

<i>N</i>	<i>A</i>	Ω_p^π	Ω_n^π	Δ_{LNp} (MeV)	Δ_{LNn} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 8 (O)																	
8	16			3.53	3.65	127.72						...	β -stable				
9	17		1/2 ⁺	3.54	3.25	131.12	3.40					...	β -stable				
10	18			3.59	2.88	141.65	10.52	13.92				...	β -stable				
11	19		3/2 ⁺	3.41	2.70	144.54	2.89	13.42	100.00	0.00	0.00	5.64	4.2652				
12	20			3.44	2.52	152.60	8.06	10.95	100.00	0.00	0.00	2.47	> 100				
13	21		3/2 ⁺	3.41	2.32	155.04	2.44	10.50	100.00	0.00	0.00	8.88	0.7726				
14	22			3.40	2.19	160.90	5.86	8.30	100.00	0.00	0.00	7.33	9.9423				
15	23		1/2	3.41	1.98	161.66	0.76	6.62	99.26	0.74	0.00	13.48	0.2901				
16	24			3.42	1.82	165.31	3.65	4.41	36.02	63.98	0.00	12.82	0.5323				
17	25		3/2	3.43	1.79	164.59	-0.72	2.93	92.84	2.22	4.93	18.13	0.0045				
18	26			3.44	1.70	166.84	2.25	1.53	0.00	72.33	27.51	16.81	0.0139				
19	27		1/2	3.45	1.63	165.09	-1.76	0.49	24.89	39.93	24.00	21.59	0.0028				
20	28			3.45	1.68	166.01	0.92	-0.84	0.00	...	...	20.52	0.0029				
21	29		5/2 ⁻	3.44	1.71	162.79	-3.22	-2.30	...	...	...	25.15	0.0028				
22	30			3.43	1.66	163.06	0.27	-2.95	0.00	0.00	0.00	23.51	0.0020				
23	31		3/2 ⁻	3.28	1.62	161.66	-1.40	-1.13	...	...	...	28.74	0.0013				
24	32			3.25	1.56	160.71	-0.95	-2.35	0.00	...	...	27.93	0.0010				
25	33		5/2 ⁻	3.23	1.53	155.47	-5.24	-6.19	0.00	0.00	...	32.61	0.0006				
26	34			3.20	1.48	154.47	-1.00	-6.24	0.00	0.00	0.00	29.91	0.0007				
Z = 9 (F)																	
8	17	1/2 ⁺		3.10	3.55	128.27						2.07	> 100	0.54			
9	18	1/2 ⁺	1/2 ⁺	2.96	3.20	137.04	8.77					3.83	> 100	5.91			
10	19	1/2 ⁺		3.20	3.05	149.40	12.36	21.13				...	β -stable	7.75			
11	20	1/2 ⁺	3/2 ⁺	3.09	2.86	154.28	4.89	17.25	100.00	0.00	0.00	7.83	2.4715	9.74			
12	21	1/2 ⁺		3.00	2.53	163.14	8.85	13.74	100.00	0.00	0.00	5.19	1.0491	10.54			
13	22	1/2 ⁺	5/2 ⁺	2.95	2.37	167.45	4.31	13.16	100.00	0.00	0.00	11.77	0.9491	12.41			
14	23	5/2 ⁺		2.89	2.30	174.36	6.91	11.23	99.99	0.01	0.00	9.25	0.2381	13.46			
15	24	3/2 ⁺	1/2 ⁺	2.88	2.05	177.35	2.98	9.90	90.93	9.07	0.00	15.30	0.2352	15.69			
16	25	1/2 ⁺		2.89	1.92	181.93	4.59	7.57	99.25	0.75	0.00	13.79	0.0469	16.62			
17	26	3/2 ⁺	3/2 ⁺	2.88	1.90	182.87	0.94	5.52	61.20	38.39	0.41	18.92	0.0074	18.28			
18	27	5/2 ⁺		2.87	1.79	185.89	3.02	3.96	73.21	20.39	5.10	17.74	0.0048	19.05			
19	28	3/2 ⁺	1/2 ⁺	2.89	1.72	185.74	-0.15	2.87	66.65	0.00	31.54	23.19	0.0018	20.66			
20	29	3/2 ⁺		2.89	1.75	187.15	1.41	1.26	59.26	0.00	5.27	22.04	0.0023	21.15			
21	30	3/2 ⁺	5/2 ⁻	2.89	1.79	185.78	-1.37	0.04	0.00	0.00	57.40	26.88	0.0021	23.00			
22	31	1/2 ⁺		2.99	1.59	189.62	3.84	2.46	33.69	9.98	0.00	24.43	0.0019	26.56			
23	32	1/2 ⁺	3/2 ⁻	2.98	1.67	187.86	-1.76	2.08	2.22	25.52	10.57	30.07	0.0011	26.20			
24	33	1/2 ⁺		2.96	1.60	187.29	-0.57	-2.32	0.00	...	...	29.06	0.0010	26.58			
25	34	1/2 ⁺	5/2 ⁻	2.93	1.55	183.60	-3.69	-4.26	0.00	0.00	...	34.23	0.0006	28.13			
26	35	1/2 ⁺		2.90	1.49	182.34	-1.26	-4.95	0.00	0.00	0.00	32.27	0.0006	27.87			
27	36	1/2 ⁺	1/2 ⁻	2.89	1.46	179.53	-2.81	-4.07	0.00	0.00	0.00	35.21	0.0005				
28	37	5/2 ⁺		2.85	1.36	181.36	1.83	-0.98	0.00	0.00	0.00	30.65	0.0010				
29	38	1/2 ⁺	1/2 ⁻	2.82	1.36	175.16	-6.20	-4.37	...	...	...	39.66	0.0003				
Z = 10 (Ne)																	
8	18			2.68	3.46	134.25						2.00	> 100	5.98	6.53		
9	19		1/2 ⁺	2.84	3.17	145.06	10.81					3.55	32.8975	8.02	13.94		
10	20			2.98	3.22	161.33	16.26	27.07				...	β -stable	11.93	19.68	-5.31	
11	21		3/2 ⁺	2.91	2.90	167.54	6.22	22.48				...	β -stable	13.26	23.00	-8.12	
12	22			2.95	2.66	178.44	10.89	17.11				...	β -stable	15.30	25.84	-8.50	
13	23		5/2 ⁺	2.88	2.46	182.83	4.39	15.28	100.00	0.00	0.00	4.82	11.8753	15.38	27.79	-9.99	
14	24			2.77	2.35	191.87	9.04	13.43	100.00	0.00	0.00	1.45	> 100	17.51	30.97	-10.98	
15	25		1/2	2.75	2.09	194.94	3.07	12.11	100.00	0.00	0.00	7.99	2.6320	17.59	33.28	-11.60	
16	26			2.72	1.92	201.01	6.07	9.14	99.33	0.67	0.00	6.91	7.8109	19.08	35.70	-11.81	
17	27		3/2 ⁺	2.72	1.99	202.85	1.84	7.91	99.45	0.55	0.00	12.43	0.0175	19.98	38.26	-12.90	
18	28			2.70	1.86	208.15	5.30	7.14	84.92	15.08	0.00	10.76	0.0521	22.26	41.31	-14.54	
19	29		1/2 ⁺	2.72	1.81	208.41	0.26	5.56	87.20	11.14	1.66	15.35	0.0097	22.67	43.33	-15.52	
20	30			2.72	1.82	211.88	3.46	3.72	89.98	0.07	9.95	14.23	0.0144	24.72	45.87	-16.74	

<i>N</i>	<i>A</i>	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 10 (Ne)																	
21	31		3/2 ⁺	2.88	1.72	213.26	1.39	4.85	84.20	11.44	4.05	16.88	0.0082	27.48	50.48	−19.88	
22	32			2.83	1.63	217.14	3.88	5.27	64.19	27.42	7.15	14.87	0.0188	27.52	54.09	−22.84	
23	33		3/2 [−]	2.84	1.73	215.57	−1.57	2.31	0.00	0.02	74.96	19.82	0.0118	27.71	53.92	−24.49	
24	34			2.86	1.61	217.04	1.47	−0.10	12.72	1.06	39.94	19.56	0.0052	29.75	56.33	−25.69	
25	35		5/2 [−]	2.81	1.59	213.83	−3.22	−1.75	0.00	0.00	0.00	24.65	0.0032	30.23	58.36	−23.87	
26	36			2.77	1.49	213.96	0.14	−3.08	0.00	...	...	23.40	0.0028	31.62	59.49	−24.96	
27	37		1/2 [−]	2.76	1.46	211.23	−2.74	−2.60	0.00	0.00	...	27.18	0.0018	31.69		−27.47	
28	38			2.74	1.39	214.04	2.81	0.08	0.00	0.00	0.00	23.41	0.0034	32.68		−31.27	
29	39		1/2 [−]	2.69	1.42	208.10	−5.94	−3.12	0.00	0.00	...	30.08	0.0011	32.94			
30	40			2.68	1.38	207.21	−0.89	−6.83	0.00	0.00	0.00	27.68	0.0013				
31	41		7/2 [−]	2.87	1.40	204.17	−3.04	−3.93	0.00	0.00	0.00	30.42	0.0011				
Z = 11 (Na)																	
8	19	3/2 ⁺		2.47	3.30	133.28						11.00	0.1544	−0.98	5.01		
9	20	3/2 ⁺	1/2 ⁺	2.54	3.04	146.66	13.38					13.89	0.0911	1.59	9.62		
10	21	3/2 ⁺		2.62	3.04	163.72	17.06	30.44				3.05	74.4654	2.39	14.32	−7.15	
11	22	3/2 ⁺	3/2 ⁺	2.64	2.82	173.89	10.17	27.24				3.77	> 100	6.35	19.61	−8.56	
12	23	3/2 ⁺		2.62	2.75	186.86	12.97	23.14				...	β -stable	8.42	23.72	−9.17	
13	24	3/2 ⁺	5/2 ⁺	2.72	2.59	192.54	5.68	18.65	100.00	0.00	0.00	6.65	15.8988	9.72	25.09	−9.96	
14	25	3/2 ⁺		2.64	2.43	202.15	9.61	15.29	100.00	0.00	0.00	3.55	9.0622	10.28	27.79	−10.72	
15	26	3/2 ⁺	1/2 ⁺	2.60	2.30	207.14	4.99	14.60	100.00	0.00	0.00	10.51	0.1993	12.20	29.79	−11.39	
16	27	3/2 ⁺		2.59	2.22	214.50	7.36	12.35	99.96	0.04	0.00	7.37	0.0941	13.49	32.56	−11.84	
17	28	3/2 ⁺	1/2 ⁺	2.55	2.15	218.13	3.63	10.99	97.67	2.33	0.00	13.77	0.0444	15.27	35.25	−12.48	
18	29	3/2 ⁺		2.56	2.00	222.99	4.86	8.49	94.27	5.73	0.00	11.81	0.0175	14.84	37.09	−12.75	
19	30	5/2 ⁺	1/2 ⁺	2.56	1.88	225.33	2.34	7.20	95.84	3.85	0.32	17.35	0.0049	16.91	39.59	−14.16	
20	31	5/2 ⁺		2.55	1.88	229.35	4.03	6.37	88.38	10.21	1.41	15.80	0.0066	17.48	42.20	−15.17	
21	32	3/2 ⁺	3/2 [−]	2.67	1.79	231.23	1.88	5.91	23.48	68.32	8.05	19.87	0.0115	17.97	45.45	−17.20	
22	33	3/2 ⁺		2.68	1.69	234.61	3.38	5.26	28.15	64.00	3.80	17.78	0.0035	17.47	45.00	−19.17	
23	34	3/2 ⁺	3/2 [−]	2.60	1.66	235.82	1.21	4.59	44.68	31.95	20.25	22.10	0.0049	20.25	47.96	−21.74	
24	35	3/2 ⁺		2.63	1.58	237.70	1.88	3.08	23.93	57.04	11.32	21.27	0.0033	20.65	50.40	−19.78	
25	36	3/2 ⁺	5/2 [−]	2.61	1.61	236.58	−1.12	0.76	0.00	20.85	56.43	26.23	0.0023	22.75	52.98	−20.43	
26	37	3/2 ⁺		2.60	1.52	237.63	1.05	−0.07	0.00	...	...	24.85	0.0022	23.67	55.29	−22.04	
27	38	3/2 ⁺	1/2 [−]	2.62	1.48	236.66	−0.96	0.08	...	...	...	28.70	0.0016	25.44	57.13	−24.77	
28	39	3/2 ⁺		2.65	1.42	237.40	0.74	−0.23	0.00	...	...	27.66	0.0014	23.36	56.04	−26.76	
29	40	3/2 ⁺	1/2 [−]	2.49	1.41	234.11	−3.29	−2.56	...	...	...	34.72	0.0005	26.01	58.95	−26.28	
30	41	3/2 ⁺		2.50	1.40	233.81	−0.30	−3.59	0.00	0.00	0.00	30.33	0.0009	26.59		−24.15	
31	42	3/2 ⁺	7/2 [−]	2.66	1.42	231.24	−2.57	−2.87	0.00	0.00	0.00	33.63	0.0007	27.07		−27.78	
32	43	3/2 ⁺		2.64	1.39	230.75	−0.49	−3.06	0.00	0.00	0.00	31.43	0.0007				
33	44	3/2 ⁺	1/2 [−]	2.64	1.35	227.76	−2.99	−3.47	...	...	...	40.71	0.0002				
Z = 12 (Mg)																	
8	20			2.35	3.32	135.97						9.90	0.3845	2.69	1.72		
9	21		1/2 ⁺	2.40	2.96	150.25	14.28					12.68	0.0323	3.60	5.19		
10	22			2.47	2.94	169.68	19.43	33.71				3.43	> 100	5.97	8.35	−7.13	
11	23		3/2 ⁺	2.52	2.73	182.09	12.41	31.84				3.99	32.4295	8.20	14.54	−8.73	
12	24			2.54	2.70	198.41	16.32	28.73				...	β -stable	11.55	19.97	−8.79	
13	25		5/2 ⁺	2.51	2.54	204.92	6.51	22.83				...	β -stable	12.38	22.09	−9.08	
14	26			2.52	2.64	216.86	11.94	18.45				...	β -stable	14.71	24.99	−10.12	
15	27		1/2	2.47	2.33	221.08	4.22	16.16	100.00	0.00	0.00	4.36	> 100	13.95	26.14	−9.96	
16	28			2.56	2.31	231.11	10.03	14.25	100.00	0.00	0.00	0.98	> 100	16.61	30.10	−10.94	
17	29		3/2	2.40	2.09	234.02	2.91	12.94	100.00	0.00	0.00	7.10	0.2579	15.89	31.17	−10.78	
18	30			2.44	2.14	241.90	7.88	10.79	100.00	0.00	0.00	5.33	1.8166	18.91	33.75	−12.59	
19	31		3/2 ⁺	2.37	1.93	244.38	2.48	10.36	99.46	0.54	0.00	10.85	0.0401	19.05	35.96	−13.23	
20	32			2.36	1.93	250.32	5.94	8.42	92.51	7.49	0.00	9.33	0.1141	20.96	38.44	−13.87	
21	33		5/2 [−]	2.36	2.00	251.61	1.29	7.24	0.02	97.47	2.51	14.43	0.2939	20.38	38.35	−14.90	
22	34			2.57	1.78	257.14	5.53	6.83	72.37	27.24	0.40	12.10	0.0743	22.53	40.00	−16.97	
23	35		3/2 [−]	2.53	1.71	258.19	1.04	6.58	64.79	21.02	14.17	16.46	0.0338	22.37	42.61	−16.63	
24	36			2.52	1.62	262.02	3.84	4.88	69.22	27.70	3.02	14.77	0.0183	24.33	44.98	−16.59	

<i>N</i>	<i>A</i>	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 12 (Mg)																	
25	37		5/2 ⁻	2.53	1.65	261.70	-0.33	3.51	0.00	76.79	19.51	19.26	0.0119	25.12	47.87	-17.83	
26	38			2.52	1.53	264.58	2.88	2.56	0.00	76.37	7.35	17.57	0.0106	26.95	50.62	-19.24	
27	39		1/2 ⁻	2.58	1.47	264.27	-0.31	2.58	0.00	15.13	64.04	21.06	0.0066	27.61	53.05	-22.15	
28	40			2.44	1.47	268.05	3.77	3.47	0.00	...	...	17.27	0.0243	30.65	54.01	-25.79	
29	41		7/2 ⁻	2.52	1.49	263.36	-4.69	-0.92	...	...	...	27.75	0.0015	29.25	55.25	-23.83	
30	42			2.44	1.42	264.09	0.73	-3.96	0.00	...	...	24.42	0.0025	30.28	56.87	-21.75	
31	43		1/2 ⁻	2.46	1.44	261.40	-2.68	-1.95	0.00	0.00	...	26.80	0.0016	30.16	57.23	-25.00	
32	44			2.46	1.34	267.69	6.29	3.61	0.00	0.00	0.00	19.68	0.0195	36.94		-32.19	
33	45		1/2 ⁻	2.52	1.39	258.45	-9.24	-2.95	...	...	...	34.15	0.0003	30.69		-25.99	
34	46			2.50	1.34	260.79	2.34	-6.90	0.00	0.00	0.00	24.86	0.0021				
35	47		3/2 ⁺	2.53	1.32	254.43	-6.36	-4.02	0.00	0.00	0.00	30.83	0.0008				
Z = 13 (Al)																	
8	21	5/2 ⁺		2.18	3.30	132.85						16.62	0.0345	-3.12	-0.43		
9	22	5/2 ⁺	1/2 ⁺	2.23	2.94	149.36	16.51					19.54	0.0202	-0.89	2.70		
10	23	5/2 ⁺		2.35	2.81	169.03	19.67	36.18				12.28	0.1148	-0.66	5.31	-7.45	
11	24	5/2 ⁺	3/2 ⁺	2.41	2.67	183.14	14.11	33.78				14.48	0.1893	1.05	9.25	-8.19	
12	25	5/2 ⁺		2.36	2.63	200.07	16.92	31.04				4.07	22.7100	1.66	13.20	-8.05	
13	26	5/2 ⁺	5/2 ⁺	2.35	2.49	210.45	10.39	27.31				5.62	58.0181	5.53	17.91	-8.27	
14	27	3/2 ⁺		2.45	2.74	224.66	14.20	24.59				...	β -stable	7.80	22.50	-9.50	
15	28	1/2 ⁺	1/2 ⁺	2.39	2.37	231.31	6.65	20.86	100.00	0.00	0.00	5.62	19.9672	10.23	24.17	-10.47	
16	29	3/2		2.33	2.16	240.34	9.03	15.68	100.00	0.00	0.00	3.94	22.2091	9.23	25.84	-9.89	
17	30	1/2 ⁺	3/2 ⁺	2.35	2.17	246.45	6.11	15.14	100.00	0.00	0.00	8.00	1.4431	12.43	28.32	-11.01	
18	31	1/2 ⁺		2.35	2.16	254.44	8.00	14.11	99.99	0.01	0.00	6.11	0.1660	12.55	31.46	-11.65	
19	32	3/2 ⁺	3/2 ⁺	2.26	1.96	258.87	4.43	12.43	99.99	0.01	0.00	11.55	0.0334	14.49	33.54	-12.45	
20	33	3/2 ⁺		2.25	1.97	265.26	6.39	10.81	95.50	4.50	0.00	10.22	0.0159	14.94	35.90	-13.98	
21	34	3/2 ⁺	1/2 ⁻	2.25	1.97	268.46	3.21	9.59	94.60	5.01	0.38	15.30	0.0188	16.85	37.23	-14.84	
22	35	5/2 ⁺		2.30	1.87	273.86	5.40	8.61	94.45	5.38	0.17	13.23	0.0103	16.72	39.25	-16.21	
23	36	5/2 ⁺	3/2 ⁻	2.31	1.77	276.01	2.15	7.55	90.49	2.79	6.71	17.76	0.0107	17.82	40.19	-16.48	
24	37	5/2 ⁺		2.33	1.66	280.18	4.16	6.31	91.11	6.29	1.61	16.25	0.0068	18.15	42.48	-17.27	
25	38	5/2 ⁺	5/2 ⁻	2.32	1.68	281.36	1.19	5.35	86.86	0.00	10.96	20.91	0.0050	19.67	44.78	-17.25	
26	39	5/2 ⁺		2.32	1.60	284.56	3.19	4.38	0.00	94.00	0.69	19.18	0.0046	19.98	46.93	-18.56	
27	40	5/2 ⁺	7/2 ⁻	2.27	1.58	284.53	-0.02	3.17	0.00	0.00	90.41	23.33	0.0039	20.26	47.87	-19.66	
28	41	3/2 ⁺		2.36	1.52	290.33	5.79	5.77	25.38	49.92	9.23	20.65	0.0054	22.28	52.93	-24.40	
29	42	1/2 ⁺	3/2 ⁻	2.31	1.47	287.72	-2.61	3.19	0.00	31.70	35.94	28.24	0.0018	24.36	53.61	-22.76	
30	43	5/2 ⁺		2.26	1.42	287.42	-0.30	-2.90	0.00	...	...	26.85	0.0012	23.34	53.62	-21.73	
31	44	5/2 ⁺	1/2 ⁻	2.26	1.46	286.59	-0.83	-1.13	0.00	0.00	...	29.21	0.0010	25.19	55.35	-24.19	
32	45	5/2 ⁺		2.33	1.34	291.82	5.22	4.39	0.00	0.00	0.00	22.78	0.0063	24.12	61.07	-29.71	
33	46	1/2 ⁺	5/2 ⁻	2.32	1.33	284.88	-6.94	-1.72	...	...	...	33.96	0.0004	26.42	57.11	-25.34	
34	47	1/2 ⁺		2.35	1.32	284.48	-0.39	-7.33	0.00	0.00	0.00	29.49	0.0009	23.69		-25.44	
35	48	1/2 ⁺	9/2 ⁺	2.34	1.35	281.43	-3.06	-3.45	0.00	0.00	...	33.21	0.0008	26.99		-25.37	
36	49	1/2 ⁺		2.34	1.34	280.31	-1.12	-4.18	0.00	0.00	0.00	31.76	0.0007				
37	50	1/2 ⁺	3/2 ⁺	2.40	1.29	278.27	-2.04	-3.16	0.00	0.00	0.00	34.10	0.0007				
38	51	1/2 ⁺		2.42	1.26	277.61	-0.66	-2.70	0.00	0.00	0.00	31.86	0.0006				
Z = 14 (Si)																	
8	22			2.02	3.40	133.44						15.13	0.0505	0.60	-2.53		
9	23		5/2 ⁺	2.13	2.93	151.08	17.64					17.16	0.0116	1.72	0.83		
10	24			2.22	2.78	172.94	21.86	39.50				9.42	0.2599	3.92	3.26	-8.68	
11	25		1/2 ⁺	2.31	2.64	187.63	14.69	36.55				11.65	0.0389	4.49	5.54	-9.09	
12	26			2.40	2.55	207.26	19.62	34.31				2.41	35.5210	7.19	8.85	-9.28	
13	27		3/2 ⁺	2.49	2.53	219.70	12.44	32.07				4.17	14.7436	9.25	14.78	-9.31	
14	28			2.52	2.73	236.15	16.44	28.89				...	β -stable	11.49	19.29	-9.44	
15	29		1/2 ⁺	2.38	2.37	243.50	7.35	23.80				...	β -stable	12.19	22.42	-10.28	
16	30			2.29	2.19	253.66	10.16	17.52				...	β -stable	13.33	22.55	-8.51	
17	31		1/2 ⁺	2.31	2.13	259.77	6.10	16.27	100.00	0.00	0.00	1.43	> 100	13.32	25.75	-10.39	
18	32			2.28	2.09	269.63	9.87	15.97	100.00	0.00	0.00	...	β -stable	15.19	27.74	-10.23	
19	33		3/2 ⁺	2.26	2.09	274.69	5.06	14.93	100.00	0.00	0.00	4.71	1.8585	15.82	30.32	-12.38	

<i>N</i>	<i>A</i>	Ω_p^π	Ω_n^π	Δ_{LNp} (MeV)	Δ_{LNn} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 14 (Si)																	
20	34			2.25	2.11	282.98	8.29	13.35	100.00	0.00	0.00	3.27	21.9978	17.73	32.67	-12.79	
21	35		5/2 ⁻	2.24	1.99	286.31	3.32	11.61	100.00	0.00	0.00	8.70	1.2090	17.84	34.70	-13.64	
22	36			2.24	1.92	292.99	6.68	10.01	19.42	80.58	0.00	7.04	3.2509	19.12	35.85	-14.38	
23	37		3/2 ⁻	2.23	1.80	295.64	2.65	9.33	80.94	18.82	0.24	11.48	0.1277	19.63	37.45	-15.73	
24	38			2.22	1.70	301.49	5.85	8.50	69.81	30.19	0.00	9.46	0.5328	21.31	39.46	-16.05	
25	39		5/2 ⁻	2.21	1.72	302.95	1.46	7.31	73.21	24.86	1.93	14.29	0.1685	21.59	41.25	-16.47	
26	40			2.56	1.57	307.08	4.13	5.59	40.37	59.53	0.10	13.17	0.0368	22.52	42.50	-16.76	
27	41		1/2 ⁻	2.37	1.43	310.20	3.12	7.25	64.31	13.89	21.80	15.25	0.0564	25.66	45.92	-20.20	
28	42			2.42	1.55	315.17	4.98	8.10	36.63	61.67	1.69	12.25	0.0706	24.85	47.13	-22.30	
29	43		3/2 ⁻	2.33	1.50	313.49	-1.68	3.30	36.15	26.44	36.06	19.43	0.0135	25.77	50.14	-20.92	
30	44			2.29	1.39	315.02	1.52	-0.16	0.00	...	...	17.53	0.0199	27.59	50.93	-18.68	
31	45		1/2 ⁻	2.27	1.46	313.82	-1.20	0.32	...	...	...	21.26	0.0090	27.23	52.41	-22.17	
32	46			2.28	1.37	318.05	4.24	3.03	0.00	...	...	17.42	0.0372	26.24	50.36	-25.67	
33	47		5/2 ⁻	2.30	1.38	313.19	-4.86	-0.62	33.72	0.00	24.98	26.03	0.0010	28.32	54.74	-23.49	
34	48			2.36	1.35	313.86	0.67	-4.20	0.00	...	...	22.80	0.0020	29.37	53.06	-17.87	
35	49		9/2 ⁺	2.37	1.37	311.28	-2.58	-1.91	0.00	0.00	...	26.66	0.0015	29.86	56.85	-24.53	
36	50			2.38	1.32	311.59	0.31	-2.27	0.00	0.00	0.00	24.48	0.0013	31.28		-22.50	
37	51		5/2 ⁺	2.38	1.37	308.69	-2.90	-2.59	0.00	0.00	0.00	27.65	0.0011	30.42		-25.96	
38	52			2.38	1.29	309.59	0.90	-2.00	0.00	0.00	0.00	25.43	0.0011	31.98			
39	53		5/2 ⁺	2.41	1.27	307.32	-2.27	-1.37	0.00	0.00	0.00	27.80	0.0012				
40	54			2.44	1.24	307.15	-0.17	-2.43	0.00	0.00	0.00	26.68	0.0009				
Z = 15 (P)																	
8	23	1/2 ⁺		1.82	3.41	128.24						22.06	0.0087	-5.20	-4.60		
9	24	1/2	5/2	1.89	2.93	148.19	19.95					23.97	0.0074	-2.89	-1.17		
10	25	1/2		1.97	2.77	169.52	21.33	41.28				17.33	0.0243	-3.42	0.50	-8.38	
11	26	1/2 ⁺	3/2 ⁺	2.13	2.61	186.74	17.21	38.54				19.74	0.0077	-0.90	3.59	-9.08	
12	27	1/2		2.08	2.44	205.14	18.41	35.62				13.78	0.1122	-2.12	5.07	-7.82	
13	28	1/2 ⁺	1/2 ⁺	2.22	2.38	220.77	15.63	34.03				14.60	0.1147	1.07	10.31	-9.33	
14	29	1/2 ⁺		2.21	2.49	238.23	17.46	33.09				4.49	8.6229	2.08	13.57	-9.87	
15	30	1/2 ⁺	1/2 ⁺	2.08	2.22	247.83	9.60	27.07				5.05	18.4209	4.33	16.52	-9.08	
16	31	1/2 ⁺		2.06	2.14	260.42	12.59	22.19				...	β -stable	6.75	20.08	-7.47	
17	32	1/2 ⁺	1/2 ⁺	2.21	2.10	268.30	7.88	20.47	100.00	0.00	0.00	$\pm$	$\pm$	8.53	21.85	-8.69	
18	33	1/2 ⁺		2.18	2.06	278.62	10.32	18.20	100.00	0.00	0.00	0.37	> 100	8.99	24.18	-9.99	
19	34	1/2 ⁺	3/2 ⁺	2.16	2.08	285.47	6.85	17.18	100.00	0.00	0.00	5.53	> 100	10.78	26.60	-10.73	
20	35	1/2 ⁺		2.14	2.11	294.22	8.75	15.60	100.00	0.00	0.00	4.11	7.0986	11.24	28.97	-11.48	
21	36	1/2 ⁺	5/2 ⁻	2.13	1.99	299.25	5.03	13.78	100.00	0.00	0.00	9.53	2.2995	12.94	30.78	-12.08	
22	37	1/2 ⁺		2.13	1.93	306.34	7.09	12.12	99.98	0.02	0.00	7.82	1.0205	13.35	32.48	-12.79	
23	38	1/2 ⁺	3/2 ⁻	2.15	1.86	310.17	3.83	10.92	99.58	0.42	0.00	12.59	0.3276	14.53	34.16	-13.41	
24	39	1/2 ⁺		2.15	1.83	316.46	6.29	10.12	91.74	8.26	0.00	10.89	0.2437	14.97	36.28	-14.30	
25	40	1/2 ⁺	5/2 ⁻	2.15	1.74	319.47	3.01	9.30	83.99	13.78	2.23	15.53	0.1344	16.52	38.11	-15.16	
26	41	1/2 ⁺		2.15	1.66	324.67	5.20	8.21	81.82	18.02	0.16	13.73	0.1411	17.59	40.11	-16.19	
27	42	1/2 ⁺	7/2 ⁻	2.14	1.59	326.64	1.97	7.17	0.00	76.77	23.23	18.42	0.0790	16.44	42.10	-16.98	
28	43	3/2 ⁺		2.18	1.54	332.14	5.50	7.48	49.82	39.51	10.61	15.34	0.0572	16.97	41.82	-19.29	
29	44	1/2 ⁺	1/2 ⁻	2.12	1.49	331.77	-0.38	5.13	0.00	17.88	71.52	21.02	0.0310	18.27	44.05	-18.94	
30	45	1/2 ⁺		2.12	1.46	334.30	2.53	2.16	0.00	30.99	30.51	19.82	0.0236	19.28	46.87	-15.68	
31	46	1/2 ⁺	1/2 ⁻	2.12	1.52	334.69	0.39	2.92	0.00	0.00	85.54	23.14	0.0051	20.87	48.10	-18.67	
32	47	1/2 ⁺		2.18	1.44	338.44	3.75	4.14	0.00	0.39	0.03	19.96	0.0259	20.39	46.62	-22.72	
33	48	3/2 ⁺	5/2 ⁻	2.18	1.41	335.88	-2.56	1.19	0.00	0.00	45.10	25.76	0.0021	22.69	51.00	-20.99	
34	49	3/2 ⁺		2.20	1.38	337.16	1.28	-1.28	0.00	...	...	24.35	0.0028	23.31	52.68	-17.05	
35	50	3/2 ⁺	9/2 ⁺	2.24	1.41	335.29	-1.88	-0.59	...	...	...	28.89	0.0016	24.00	53.86	-22.12	
36	51	3/2 ⁺		2.23	1.35	335.56	0.27	-1.60	0.00	...	...	26.68	0.0014	23.97	55.25	-22.78	
37	52	5/2 ⁺	3/2 ⁺	2.22	1.36	334.24	-1.32	-1.05	0.00	0.00	...	29.26	0.0011	25.55	55.97	-24.52	
38	53	5/2 ⁺		2.22	1.32	334.34	0.10	-1.22	0.00	0.00	0.00	27.84	0.0009	24.75	56.73	-25.74	
39	54	5/2 ⁺	5/2 ⁺	2.23	1.30	333.06	-1.28	-1.18	0.00	0.00	...	30.32	0.0010	25.73		-26.49	
40	55	5/2 ⁺		2.26	1.26	333.33	0.27	-1.01	0.00	0.00	0.00	28.25	0.0010	26.17		-27.42	
41	56	5/2 ⁺	1/2 ⁺	2.27	1.20	330.62	-2.70	-2.43	0.00	0.00	...	32.02	0.0007				
42	57	1/2 ⁻		2.31	1.17	329.75	-0.88	-3.58	0.00	0.00	0.00	31.01	0.0006				

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 16 (S)																	
8	24			1.65	3.43	125.45						21.96	0.0062	-2.79	-7.99		
9	25		1/2 ⁺	1.71	2.94	145.87	20.42					22.87	0.0049	-2.32	-5.21		
10	26			1.78	2.77	169.59	23.72	44.14				16.36	0.0344	0.07	-3.35	-7.86	
11	27		3/2 ⁺	2.01	2.61	188.19	18.59	42.32				16.17	0.0105	1.45	0.55	-8.81	
12	28			2.07	2.57	209.60	21.42	40.01				10.38	0.2144	4.46	2.35	-8.37	
13	29		5/2 ⁺	2.11	2.39	224.25	14.65	36.07				13.19	0.0368	3.49	4.55	-8.32	
14	30			1.97	2.30	241.93	17.67	32.32				5.12	7.2817	3.70	5.78	-6.37	
15	31		1/2 ⁺	1.96	2.19	254.29	12.36	30.03				5.35	3.6805	6.45	10.79	-6.29	
16	32			1.94	2.10	269.51	15.23	27.59				...	β -stable	9.10	15.85	-5.07	
17	33		1/2 ⁺	2.11	2.06	278.21	8.69	23.92				...	β -stable	9.91	18.44	-6.41	
18	34			2.08	2.03	290.23	12.02	20.71				...	β -stable	11.60	20.59	-8.27	
19	35		3/2 ⁺	2.05	2.06	297.55	7.32	19.34	100.00	0.00	0.00	0.54	> 100	12.08	22.86	-9.49	
20	36			2.04	2.10	308.00	10.45	17.77				...	β -stable	13.78	25.02	-10.07	
21	37		5/2 ⁻	2.03	1.99	313.38	5.38	15.83	100.00	0.00	0.00	3.93	> 100	14.13	27.08	-10.39	
22	38			2.03	1.93	321.98	8.59	13.98	100.00	0.00	0.00	2.49	> 100	15.63	28.99	-10.70	
23	39		3/2 ⁻	2.08	1.91	326.57	4.59	13.18	100.00	0.00	0.00	6.82	4.7477	16.40	30.92	-11.96	
24	40			2.12	1.82	334.21	7.65	12.24	100.00	0.00	0.00	4.80	48.4648	17.75	32.73	-12.93	
25	41		5/2 ⁻	2.14	1.75	337.61	3.40	11.05	99.90	0.10	0.00	9.36	1.1031	18.14	34.66	-13.68	
26	42			2.14	1.67	344.27	6.66	10.06	98.87	1.13	0.00	7.47	4.1439	19.61	37.19	-14.49	
27	43		7/2 ⁻	2.09	1.61	346.70	2.43	9.09	72.10	27.90	0.00	11.90	1.1738	20.06	36.51	-15.46	
28	44			2.03	1.52	352.01	5.30	7.73	0.00	100.00	0.00	10.52	1.1112	19.86	36.83	-16.63	
29	45		1/2 ⁻	2.07	1.50	353.34	1.33	6.64	62.94	32.82	4.24	15.67	0.0661	21.57	39.84	-14.85	
30	46			2.11	1.48	357.05	3.70	5.04	25.35	71.25	3.40	14.35	0.0450	22.75	42.03	-13.57	
31	47		1/2 ⁻	2.12	1.55	357.61	0.57	4.28	82.65	9.17	7.95	17.86	0.0056	22.92	43.80	-15.82	
32	48			2.12	1.49	360.86	3.25	3.82	0.00	75.50	9.95	16.11	0.0141	22.42	42.81	-17.55	
33	49		3/2 ⁻	2.14	1.49	360.73	-0.13	3.12	51.45	4.07	31.97	19.63	0.0051	24.85	47.54	-18.62	
34	50			2.14	1.50	363.40	2.67	2.54	0.00	80.94	1.39	17.77	0.0053	26.23	49.54	-17.05	
35	51		9/2 ⁺	2.17	1.44	361.45	-1.94	0.73	0.00	0.00	38.74	22.38	0.0039	26.17	50.17	-19.97	
36	52			2.16	1.37	362.71	1.26	-0.68	0.00	...	...	20.92	0.0027	27.15	51.13	-20.56	
37	53		3/2 ⁺	2.12	1.43	361.40	-1.32	-0.05	...	...	...	23.63	0.0024	27.16	52.71	-21.82	
38	54			2.11	1.33	362.59	1.19	-0.12	0.00	...	...	22.02	0.0021	28.25	53.00	-22.71	
39	55		5/2 ⁺	2.13	1.32	360.80	-1.79	-0.60	...	...	...	24.71	0.0021	27.74	53.47	-23.81	
40	56			2.13	1.28	361.86	1.07	-0.73	0.00	0.00	0.00	22.95	0.0020	28.53	54.71	-23.98	
41	57		5/2 ⁺	2.10	1.28	359.98	-1.89	-0.82	...	...	...	25.87	0.0017	29.35		-24.36	
42	58			2.21	1.19	360.07	0.09	-1.79	0.00	...	...	26.14	0.0010	30.32		-24.62	
43	59		1/2 ⁻	2.34	1.28	355.47	-4.60	-4.51	1.36	0.00	1.62	31.90	0.0003				
44	60			2.32	1.23	354.56	-0.91	-5.50	0.00	0.00	...	31.45	0.0002				
Z = 17 (Cl)																	
8	25	1/2 ⁺		1.62	3.43	118.47						26.62	0.0011	-6.98	-9.77		
9	26	3/2 ⁺	5/2 ⁺	1.77	2.92	142.25	23.78					26.57	0.0013	-3.62	-5.95		
10	27	1/2 ⁺		1.75	2.77	165.33	23.09	46.86				22.07	0.0024	-4.26	-4.19	-8.79	
11	28	3/2	1/2	1.86	2.60	184.44	19.10	42.19				24.39	0.0017	-3.75	-2.30	-7.95	
12	29	3/2		1.97	2.40	205.94	21.50	40.61				17.53	0.0111	-3.67	0.80	-8.12	
13	30	3/2 ⁺	1/2 ⁺	1.89	2.34	223.93	18.00	39.50				17.21	0.0326	-0.32	3.17	-8.90	
14	31	3/2 ⁺		2.09	2.28	242.30	18.36	36.36				11.21	0.1476	0.37	4.07	-8.86	
15	32	3/2 ⁺	1/2 ⁺	1.86	2.17	256.45	14.15	32.51				12.28	0.3957	2.16	8.62	-7.39	
16	33	3/2 ⁺		1.86	2.07	272.06	15.61	29.76				5.36	14.1797	2.55	11.64	-5.54	
17	34	3/2 ⁺	3/2 ⁺	1.98	2.13	284.25	12.19	27.80				5.20	> 100	6.04	15.95	-8.12	
18	35	3/2 ⁺		2.14	2.17	297.31	13.06	25.25				...	β -stable	7.08	18.69	-8.60	
19	36	3/2 ⁺	3/2 ⁺	2.02	2.05	305.67	8.36	21.42	100.00	0.00	0.00	$\pm$	$\pm$	8.12	20.20	-9.08	
20	37	3/2 ⁺		2.00	2.09	316.53	10.86	19.22				...	β -stable	8.53	22.31	-9.62	
21	38	3/2 ⁺	7/2 ⁻	2.00	2.03	323.68	7.15	18.01	100.00	0.00	0.00	5.11	> 100	10.30	24.43	-9.91	
22	39	1/2 ⁺		2.00	1.95	332.61	8.93	16.07	100.00	0.00	0.00	3.64	> 100	10.63	26.26	-10.09	
23	40	1/2 ⁺	3/2 ⁻	2.01	1.90	338.24	5.63	14.56	100.00	0.00	0.00	7.85	86.6240	11.67	28.07	-10.69	
24	41	1/2 ⁺		2.02	1.84	346.19	7.95	13.59	100.00	0.00	0.00	5.83	14.0618	11.98	29.73	-11.55	
25	42	1/2 ⁺	5/2 ⁻	2.04	1.75	350.96	4.77	12.73	100.00	0.00	0.00	10.36	4.0138	13.35	31.49	-12.50	
26	43	1/2 ⁺		2.05	1.71	357.82	6.85	11.63	97.85	2.15	0.00	8.83	1.1195	13.54	33.15	-13.06	

<i>N</i>	<i>A</i>	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 17 (Cl)																	
27	44	1/2 ⁺	7/2 ⁻	2.02	1.61	361.75	3.93	10.78	96.21	3.79	0.00	13.39	0.6050	15.05	35.11	-13.98	
28	45	3/2 ⁺		2.03	1.58	368.23	6.48	10.41	70.51	29.49	0.00	11.72	0.7549	16.22	36.08	-15.26	
29	46	3/2 ⁺	3/2 ⁻	2.04	1.55	370.61	2.39	8.87	82.94	16.74	0.32	16.36	0.1734	17.27	38.85	-15.68	
30	47	1/2 ⁺		2.06	1.46	374.70	4.08	6.47	0.00	99.73	0.27	15.39	0.0859	17.65	40.40	-14.26	
31	48	1/2 ⁺	1/2 ⁻	2.07	1.48	376.19	1.49	5.57	0.00	63.85	36.14	19.18	0.0393	18.57	41.50	-16.12	
32	49	1/2 ⁺		2.08	1.44	379.57	3.38	4.88	0.00	68.03	24.37	17.50	0.0285	18.71	41.13	-16.98	
33	50	1/2 ⁺	5/2 ⁻	2.09	1.40	380.38	0.81	4.19	0.00	67.89	26.95	21.36	0.0050	19.65	44.50	-17.40	
34	51	1/2 ⁺		2.10	1.38	383.05	2.67	3.48	0.00	43.03	23.10	19.76	0.0081	19.66	45.89	-16.32	
35	52	1/2 ⁺	9/2 ⁺	2.10	1.48	382.85	-0.20	2.47	0.00	0.00	35.95	23.85	0.0050	21.40	47.56	-18.68	
36	53	1/2 ⁺		2.11	1.40	384.25	1.40	1.19	0.00	0.19	10.73	22.68	0.0031	21.53	48.69	-18.79	
37	54	1/2 ⁺	1/2 ⁻	2.11	1.44	383.83	-0.42	0.97	0.00	0.00	8.64	25.87	0.0021	22.42	49.59	-20.24	
38	55	1/2 ⁻		2.04	1.33	384.73	0.90	0.48	2.62	12.62	0.00	25.68	0.0010	22.14	50.39	-20.87	
39	56	1/2 ⁻	5/2 ⁺	2.03	1.33	384.04	-0.69	0.21	0.06	2.46	11.77	29.68	0.0008	23.24	50.98	-21.50	
40	57	1/2 ⁻		2.03	1.29	385.06	1.03	0.34	0.00	...	...	27.58	0.0008	23.20	51.73	-22.43	
41	58	1/2 ⁺	7/2 ⁺	2.08	1.35	385.42	0.36	1.39	...	...	...	28.93	0.0014	25.44	54.80	-24.07	
42	59	1/2 ⁺		2.11	1.32	386.58	1.16	1.52	0.00	0.00	0.00	27.01	0.0013	26.52	56.83	-24.96	
43	60	1/2 ⁺	5/2 ⁺	2.12	1.30	385.23	-1.35	-0.19	...	...	...	30.19	0.0011	29.76		-26.31	
44	61	1/2 ⁺		2.12	1.28	386.64	1.41	0.06	0.00	...	...	28.03	0.0012	32.08		-28.59	
45	62	1/2 ⁺	3/2 ⁺	2.11	1.26	384.52	-2.12	-0.71	...	...	...	32.28	0.0007				
46	63	1/2 ⁺		2.10	1.23	383.52	-1.00	-3.12	0.00	0.00	0.00	31.10	0.0006				
Z = 18 (Ar)																	
9	27		5/2	1.67	2.92	139.13						25.42	0.0017	-3.11	-6.74		
10	28			1.72	2.74	166.10	26.97					17.55	0.0143	0.77	-3.49	-12.35	
11	29		3/2 ⁺	1.78	2.59	184.58	18.47	45.44				20.58	0.0041	0.14	-3.61	-10.41	
12	30			1.85	2.47	208.11	23.53	42.00				15.05	0.0403	2.17	-1.50	-10.22	
13	31		1/2 ⁺	1.91	2.36	225.34	17.23	40.76				16.18	0.0106	1.40	1.08	-8.85	
14	32			1.96	2.35	246.33	20.99	38.22				9.34	0.2034	4.03	4.40	-8.43	
15	33		1/2 ⁺	1.79	2.15	260.03	13.70	34.69				11.25	0.0505	3.58	5.75	-7.48	
16	34			1.79	2.05	277.37	17.34	31.04				6.10	8.1858	5.31	7.86	-7.15	
17	35		3/2 ⁺	2.00	2.13	290.90	13.53	30.87				5.63	6.8984	6.65	12.69	-8.32	
18	36			2.01	2.00	306.05	15.15	28.67				...	β -stable	8.73	15.82	-8.23	
19	37		3/2 ⁺	1.99	2.03	315.52	9.47	24.62				0.23	> 100	9.84	17.97	-9.01	
20	38			1.98	2.08	328.01	12.50	21.97				...	β -stable	11.48	20.01	-9.49	
21	39		7/2 ⁻	1.97	2.01	335.47	7.45	19.95	100.00	0.00	0.00	...	β -stable	11.79	22.09	-9.62	
22	40			1.97	1.94	345.30	9.84	17.29				...	β -stable	12.70	23.33	-9.01	
23	41		3/2 ⁻	1.96	2.00	351.24	5.93	15.77	100.00	0.00	0.00	3.39	> 100	13.00	24.67	-9.56	
24	42			1.97	1.96	360.54	9.30	15.23	100.00	0.00	0.00	1.35	> 100	14.35	26.32	-10.27	
25	43		7/2 ⁻	1.97	1.85	365.87	5.33	14.63	100.00	0.00	0.00	5.67	> 100	14.90	28.25	-11.01	
26	44			1.98	1.74	374.36	8.49	13.82	100.00	0.00	0.00	4.02	> 100	16.54	30.08	-11.85	
27	45		1/2 ⁻	2.05	1.65	379.16	4.80	13.29	100.00	0.00	0.00	8.02	7.4685	17.41	32.46	-13.25	
28	46			2.00	1.63	386.19	7.03	11.83	100.00	0.00	0.00	6.72	> 100	17.97	34.19	-13.62	
29	47		3/2 ⁻	2.06	1.55	389.30	3.11	10.14	99.79	0.21	0.00	11.41	0.7502	18.69	35.96	-14.31	
30	48			2.08	1.47	394.59	5.28	8.40	69.49	30.51	0.00	10.37	0.2459	19.89	37.54	-14.29	
31	49		1/2 ⁻	2.10	1.50	396.30	1.71	6.99	77.65	22.06	0.29	13.98	0.0656	20.11	38.68	-14.66	
32	50			2.11	1.46	400.96	4.66	6.37	77.93	21.98	0.10	12.04	0.0452	21.38	40.10	-15.62	
33	51		1/2 ⁻	2.12	1.42	402.04	1.08	5.74	48.74	42.29	8.97	15.30	0.0241	21.65	41.31	-16.13	
34	52			2.13	1.41	405.92	3.88	4.96	60.24	32.88	6.71	13.48	0.0162	22.87	42.52	-16.76	
35	53		9/2 ⁺	2.11	1.51	406.14	0.22	4.11	34.32	25.60	33.83	17.09	0.0148	23.29	44.69	-17.12	
36	54			2.09	1.46	408.91	2.77	2.99	0.00	86.44	5.79	15.54	0.0098	24.67	46.20	-17.22	
37	55		9/2 ⁺	2.10	1.47	409.62	0.71	3.48	0.00	0.00	89.39	17.70	0.0120	25.80	48.22	-19.87	
38	56			2.11	1.45	412.94	3.31	4.02	4.47	82.44	2.27	16.06	0.0067	28.21	50.35	-21.93	
39	57		9/2 ⁺	2.10	1.45	411.86	-1.08	2.23	0.00	4.10	78.40	20.02	0.0046	27.82	51.06	-22.16	
40	58			2.11	1.40	413.57	1.71	0.63	0.00	48.83	28.85	18.56	0.0032	28.50	51.71	-22.68	
41	59		7/2 ⁺	2.12	1.37	412.81	-0.75	0.96	0.00	0.00	45.59	22.31	0.0024	27.39	52.84	-23.72	
42	60			2.13	1.34	414.64	1.82	1.07	0.00	16.09	6.39	20.64	0.0020	28.05	54.57	-24.48	
43	61		5/2 ⁺	2.13	1.33	413.89	-0.75	1.08	0.04	0.00	8.72	23.60	0.0018	28.66	58.42	-25.62	
44	62			2.14	1.29	416.02	2.13	1.38	0.00	...	...	21.36	0.0020	29.38	61.46	-27.66	

N	A	Ω_p^π	Ω_n^π	Δ_{LNp} (MeV)	Δ_{LNn} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 18 (Ar)																	
45	63		3/2 ⁺	2.13	1.27	413.84	-2.18	-0.05	...	...	...	24.98	0.0015	29.32			-30.08
46	64			2.12	1.24	414.09	0.25	-1.93	0.00	0.00	0.00	22.19	0.0020	30.57			-31.23
47	65		1/2 ⁺	2.10	1.21	411.12	-2.97	-2.72	0.00	0.00	...	26.46	0.0011				
48	66			1.96	1.15	409.68	-1.44	-4.41	0.00	0.00	0.00	26.51	0.0007				
49	67		9/2 ⁺	1.97	1.11	407.14	-2.55	-3.98	0.00	0.00	...	29.70	0.0006				
Z = 19 (K)																	
10	29	3/2 ⁺		1.56	2.77	157.58						26.22	0.0012	-8.52	-7.75	-10.81	
11	30	3/2 ⁺	5/2 ⁺	1.65	2.59	179.19	21.61					28.13	0.0008	-5.38	-5.24	-8.65	
12	31	3/2 ⁺		1.74	2.38	203.19	24.00	45.61				21.36	0.0043	-4.92	-2.75	-9.56	
13	32	1/2 ⁺	3/2 ⁺	1.82	2.26	222.80	19.61	43.61				22.75	0.0033	-2.54	-1.13	-10.07	
14	33	1/2 ⁺		1.89	2.27	244.09	21.29	40.90				15.16	0.0415	-2.24	1.79	-9.85	
15	34	1/2 ⁺	1/2 ⁺	1.74	2.14	260.55	16.46	37.75				16.04	0.0423	0.52	4.10	-8.32	
16	35	1/2 ⁺		1.75	2.04	278.31	17.76	34.23				11.80	0.1862	0.94	6.25	-7.72	
17	36	1/2 ⁺	1/2 ⁺	1.75	2.01	292.61	14.30	32.06				12.65	0.1270	1.71	8.36	-7.87	
18	37	1/2 ⁺		1.95	1.99	308.71	16.09	30.39				6.03	7.5292	2.66	11.40	-8.35	
19	38	1/2 ⁺	1/2 ⁺	1.94	2.03	320.71	12.01	28.10				6.52	24.7103	5.20	15.04	-8.17	
20	39	1/2 ⁺		1.93	2.11	334.31	13.59	25.60				0.38		6.29	17.77	-8.70	
21	40	1/2 ⁺	7/2 ⁻	1.92	2.06	343.35	9.04	22.64	100.00	0.00	0.00	±	±	7.88	19.67	-9.38	
22	41	3/2 ⁺		1.91	2.00	353.84	10.49	19.53				...	β -stable	8.54	21.23	-9.01	
23	42	3/2 ⁺	3/2 ⁻	1.99	1.99	361.11	7.26	17.76	100.00	0.00	0.00	3.88	> 100	9.87	22.87	-9.13	
24	43	3/2 ⁺		1.99	1.94	370.75	9.65	16.91	100.00	0.00	0.00	1.85	> 100	10.22	24.56	-9.85	
25	44	1/2 ⁺	3/2 ⁻	1.99	1.84	377.60	6.84	16.49	100.00	0.00	0.00	6.16	> 100	11.73	26.64	-11.07	
26	45	1/2 ⁺		2.03	1.72	386.40	8.80	15.65	100.00	0.00	0.00	4.42	> 100	12.04	28.58	-11.91	
27	46	1/2 ⁺	1/2 ⁻	2.04	1.65	392.13	5.73	14.53	100.00	0.00	0.00	8.99	> 100	12.97	30.39	-12.87	
28	47	1/2 ⁺		2.04	1.63	399.93	7.80	13.53	100.00	0.00	0.00	7.61	> 100	13.74	31.71	-13.82	
29	48	1/2 ⁺	3/2 ⁻	2.05	1.52	404.17	4.24	12.04	96.42	3.58	0.00	12.18	6.3517	14.87	33.56	-14.13	
30	49	1/2 ⁺		2.06	1.47	409.49	5.32	9.56	0.03	99.97	0.00	11.44	4.6475	14.90	34.80	-12.97	
31	50	1/2 ⁺	1/2 ⁻	2.06	1.49	412.21	2.72	8.04	0.57	89.17	10.26	15.14	3.9399	15.92	36.02	-13.30	
32	51	1/2 ⁺		2.06	1.50	416.55	4.34	7.06	0.01	96.16	3.84	13.77	0.2368	15.60	36.98	-13.56	
33	52	1/2 ⁺	5/2 ⁻	2.05	1.56	418.61	2.06	6.40	90.37	4.32	5.30	17.30	0.0106	16.58	38.23	-14.13	
34	53	7/2 ⁻		2.05	1.42	422.45	3.84	5.89	68.34	28.66	2.92	15.86	0.0071	16.53	39.39	-14.58	
35	54	7/2 ⁻	9/2 ⁺	2.05	1.49	423.67	1.22	5.06	63.54	0.00	34.51	19.78	0.0059	17.53	40.82	-14.99	
36	55	7/2 ⁻		2.05	1.42	426.54	2.87	4.09	56.03	38.33	0.74	18.77	0.0035	17.63	42.29	-15.19	
37	56	1/2 ⁺	3/2 ⁻	2.05	1.47	428.22	1.68	4.55	0.00	52.74	42.01	21.73	0.0033	18.59	44.39	-17.07	
38	57	1/2 ⁺		2.05	1.45	431.09	2.87	4.55	0.00	2.40	81.11	19.41	0.0051	18.15	46.36	-18.55	
39	58	1/2	9/2	2.03	1.49	431.35	0.26	3.13	0.01	0.02	74.08	23.92	0.0031	19.49	47.31	-19.23	
40	59	1/2 ⁺		2.06	1.39	434.34	2.99	3.25	0.00	0.07	0.00	21.42	0.0032	20.77	49.28	-21.32	
41	60	7/2 ⁻	7/2 ⁺	2.02	1.39	434.50	0.16	3.15	0.00	0.00	45.47	24.46	0.0019	21.68	49.07	-22.16	
42	61	7/2 ⁻		2.03	1.36	436.71	2.21	2.37	0.00	31.48	0.00	23.00	0.0015	22.07	50.12	-23.35	
43	62	7/2 ⁻	5/2 ⁺	2.03	1.33	436.60	-0.11	2.10	0.00	0.00	31.20	25.87	0.0015	22.71	51.37	-22.88	
44	63	7/2 ⁻		2.03	1.30	438.04	1.44	1.33	0.00	...	...	23.66	0.0017	22.02	51.40	-23.16	
45	64	1/2 ⁺	5/2 ⁺	2.01	1.32	435.49	-2.54	-1.10	...	...	...	28.68	0.0011	21.65	50.97	-21.97	
46	65	1/2 ⁺		2.01	1.25	436.80	1.30	-1.24	0.00	...	...	26.60	0.0012	22.70	53.27	-21.86	
47	66	1/2 ⁺	7/2 ⁺	2.00	1.21	435.41	-1.39	-0.09	...	...	...	30.01	0.0009	24.29		-22.59	
48	67	1/2 ⁺		2.01	1.14	436.06	0.65	-0.74	0.00	...	...	28.39	0.0009	26.37		-24.24	
49	68	1/2 ⁺	9/2 ⁺	2.03	1.12	434.60	-1.46	-0.81	...	...	...	31.49	0.0007	27.46			
50	69	1/2 ⁺		2.03	1.10	435.06	0.46	-1.00	0.00	0.00	0.00	29.73	0.0007				
51	70	1/2 ⁺	5/2 ⁺	2.02	1.08	432.70	-2.36	-1.90	...	...	...	33.78	0.0005				
Z = 20 (Ca)																	
10	30			1.63	2.76	153.56						24.85	0.0013	-4.02	-12.54		
11	31		5/2 ⁺	1.69	2.58	175.81	22.25					26.60	0.0009	-3.39	-8.77	-8.38	
12	32			1.76	2.38	201.80	26.00	48.24				20.21	0.0052	-1.39	-6.30	-7.41	
13	33		3/2 ⁺	1.82	2.26	221.93	20.12	46.12				21.38	0.0019	-0.87	-3.41	-9.06	
14	34			1.88	2.26	245.12	23.19	43.32				14.65	0.0301	1.03	-1.21	-8.72	
15	35		1/2 ⁺	1.89	2.14	261.95	16.83	40.02				15.58	0.0112	1.40	1.92	-8.32	
16	36			1.91	2.03	281.43	19.48	36.31				10.40	0.1439	3.12	4.06	-6.81	

<i>N</i>	<i>A</i>	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 20 (Ca)																	
17	37		1/2 ⁺	1.93	2.00	296.13	14.69	34.18				11.80	0.1066	3.52	5.23	-7.80	
18	38			1.98	1.98	313.94	17.81	32.51				5.99	3.1939	5.24	7.90	-8.28	
19	39		3/2 ⁺	1.98	2.03	327.13	13.19	31.00				6.39	1.5880	6.42	11.61	-7.93	
20	40			1.97	2.11	342.64	15.51	28.70				...	β -stable	8.34	14.63	-8.30	
21	41		5/2 ⁻	1.96	2.05	351.93	9.29	24.80				1.13	> 100	8.59	16.47	-8.12	
22	42			1.96	2.00	364.21	12.27	21.57				...	β -stable	10.37	18.91	-7.90	
23	43		3/2 ⁻	2.04	1.98	371.82	7.61	19.89				...	β -stable	10.71	20.58	-8.06	
24	44			2.04	1.93	382.97	11.15	18.76				...	β -stable	12.22	22.43	-9.37	
25	45		7/2 ⁻	2.05	1.82	390.04	7.07	18.22	100.00	0.00	0.00	0.82	> 100	12.44	24.17	-10.50	
26	46			2.05	1.70	400.34	10.30	17.37				...	β -stable	13.94	25.98	-11.51	
27	47		1/2 ⁻	2.12	1.63	406.77	6.43	16.73	100.00	0.00	0.00	3.37	> 100	14.63	27.61	-12.60	
28	48			2.13	1.62	415.57	8.80	15.23	100.00	0.00	0.00	1.87	> 100	15.64	29.38	-12.91	
29	49		1/2 ⁻	2.14	1.50	420.15	4.58	13.39	100.00	0.00	0.00	6.58	> 100	15.98	30.85	-12.70	
30	50			2.15	1.56	426.57	6.42	11.01	100.00	0.00	0.00	5.88	73.5185	17.08	31.99	-12.09	
31	51		3/2 ⁻	2.16	1.55	429.55	2.97	9.39	96.81	3.19	0.00	9.85	11.2521	17.33	33.25	-11.95	
32	52			2.17	1.57	435.13	5.58	8.56	91.29	8.71	0.00	8.29	0.4547	18.58	34.17	-12.25	
33	53		3/2 ⁻	2.17	1.58	437.53	2.40	7.98	99.35	0.65	0.00	11.45	0.0156	18.92	35.49	-12.94	
34	54			2.18	1.59	442.67	5.14	7.53	93.21	6.79	0.00	9.58	0.0861	20.22	36.74	-13.41	
35	55		5/2 ⁻	2.18	1.60	444.53	1.87	7.00	98.71	0.89	0.40	12.92	0.0116	20.86	38.39	-14.20	
36	56			2.18	1.57	449.17	4.64	6.50	95.66	4.18	0.16	11.02	0.0300	22.63	40.25	-14.95	
37	57		3/2 ⁻	2.14	1.52	449.71	0.55	5.18	75.88	22.31	1.80	15.15	0.0077	21.50	40.09	-15.27	
38	58			2.18	1.49	454.48	4.77	5.32	94.53	1.50	3.97	12.60	0.0124	23.39	41.54	-17.27	
39	59		1/2	2.18	1.47	454.97	0.49	5.26	2.49	91.78	5.12	16.58	0.0067	23.63	43.12	-17.06	
40	60			2.17	1.42	458.17	3.20	3.69	89.09	3.12	6.42	15.30	0.0042	23.83	44.60	-16.94	
41	61		9/2	2.17	1.47	458.93	0.76	3.95	0.24	88.35	3.51	18.80	0.0043	24.43	46.11	-18.78	
42	62			2.17	1.47	461.68	2.75	3.51	0.00	87.90	3.84	16.42	0.0038	24.97	47.04	-19.82	
43	63		3/2 ⁺	2.15	1.46	460.91	-0.77	1.98	0.00	0.00	84.80	20.26	0.0030	24.32	47.02	-19.80	
44	64			2.15	1.42	463.39	2.48	1.71	0.00	83.99	0.00	18.56	0.0026	25.35	47.37	-20.46	
45	65		5/2 ⁺	2.12	1.37	462.61	-0.78	1.70	0.00	0.00	66.17	22.01	0.0020	27.12	48.77	-20.42	
46	66			2.12	1.30	464.64	2.02	1.24	0.00	2.63	7.90	20.27	0.0019	27.84	50.54	-20.32	
47	67		7/2 ⁺	2.10	1.22	463.67	-0.97	1.06	0.00	0.00	3.06	23.51	0.0015	28.26	52.55	-21.53	
48	68			2.10	1.15	465.30	1.63	0.67	0.00	...	...	21.82	0.0015	29.24	55.62	-22.92	
49	69		9/2 ⁺	2.12	1.12	464.01	-1.29	0.34	...	...	...	24.93	0.0011	29.41	56.87	-24.59	
50	70			2.13	1.11	465.70	1.70	0.40	0.00	...	...	22.89	0.0012	30.65		-27.72	
51	71		1/2 ⁺	2.11	1.12	462.84	-2.87	-1.17	...	...	...	26.96	0.0009	30.14		-27.40	
52	72			2.10	1.06	462.76	-0.08	-2.94	0.00	0.00	0.00	25.69	0.0009				
53	73		3/2 ⁺	2.10	1.07	459.90	-2.86	-2.93	0.00	0.00	...	28.72	0.0007				
Z = 21 (Sc)																	
11	32	3/2 ⁻	3/2 ⁺	1.63	2.73	171.11						29.91	0.0011	-4.70	-8.08		
12	33	7/2 ⁻		1.75	2.37	195.70	24.59					25.45	0.0037	-6.10	-7.49	-9.82	
13	34	7/2 ⁻	3/2 ⁺	1.82	2.26	217.63	21.93	46.52				26.71	0.0016	-4.30	-5.17	-10.14	
14	35	7/2 ⁻		1.90	2.26	241.02	23.39	45.32				20.15	0.0150	-4.10	-3.07	-9.53	
15	36	7/2 ⁻	1/2 ⁺	1.96	2.14	259.47	18.45	41.84				21.18	0.0088	-2.48	-1.08	-8.37	
16	37	7/2 ⁻		2.01	2.03	279.30	19.83	38.28				16.05	0.0560	-2.13	0.98	-6.91	
17	38	7/2 ⁻	3/2 ⁺	1.96	2.00	295.74	16.44	36.27				17.42	0.0423	-0.38	3.13	-6.89	
18	39	3/2 ⁻		1.96	1.98	313.80	18.06	34.50				12.55	0.0772	-0.14	5.09	-7.19	
19	40	7/2 ⁻	1/2 ⁺	1.95	2.03	328.63	14.83	32.89				13.23	0.1072	1.50	7.92	-7.72	
20	41	7/2 ⁻		1.94	2.11	344.39	15.76	30.59				6.76	1.0537	1.75	10.08	-7.39	
21	42	7/2 ⁻	7/2 ⁻	1.92	2.05	356.15	11.76	27.51				7.28	1.4946	4.21	12.80	-7.14	
22	43	3/2 ⁻		1.91	1.99	369.34	13.19	24.95				1.70	> 100	5.13	15.49	-6.73	
23	44	3/2 ⁻	3/2 ⁻	1.90	2.00	378.54	9.20	22.39				3.65	56.6842	6.72	17.43	-6.89	
24	45	7/2 ⁻		1.90	1.98	390.07	11.53	20.74				...	β -stable	7.10	19.32	-7.93	
25	46	7/2 ⁻	3/2 ⁻	1.90	1.89	398.63	8.56	20.09	100.00	0.00	0.00	$\pm$	$\pm$	8.59	21.03	-9.22	
26	47	7/2 ⁻		1.91	1.81	409.36	10.73	19.28	100.00	0.00	0.00	...	β -stable	9.02	22.95	-10.31	
27	48	7/2 ⁻	1/2 ⁻	2.01	1.75	416.65	7.30	18.03	100.00	0.00	0.00	4.23	> 100	9.89	24.52	-10.76	
28	49	7/2 ⁻		2.06	1.74	425.95	9.30	16.60	100.00	0.00	0.00	3.24	> 100	10.39	26.02	-11.26	
29	50	7/2 ⁻	3/2 ⁻	2.07	1.63	431.67	5.72	15.02	100.00	0.00	0.00	7.77	> 100	11.52	27.50	-11.24	

<i>N</i>	<i>A</i>	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 21 (Sc)																	
30	51	7/2 ⁻		2.08	1.55	438.61	6.94	12.66	100.00	0.00	0.00	6.93	2.7085	12.04	29.12	-10.39	
31	52	7/2 ⁻	1/2 ⁻	2.09	1.54	442.64	4.03	10.97	96.39	3.61	0.00	10.86	1.3597	13.09	30.43	-10.17	
32	53	7/2 ⁻		2.09	1.56	448.19	5.55	9.58	99.76	0.24	0.00	9.72	0.1538	13.06	31.64	-10.40	
33	54	1/2 ⁻	1/2 ⁻	2.08	1.56	451.46	3.27	8.82	98.36	1.64	0.00	13.49	0.0152	13.93	32.85	-10.95	
34	55	7/2 ⁻		2.09	1.58	456.67	5.20	8.47	80.37	19.62	0.00	12.03	0.0314	14.00	34.22	-11.81	
35	56	7/2 ⁻	1/2 ⁻	2.07	1.57	459.41	2.74	7.95	87.98	11.57	0.45	15.74	0.0138	14.88	35.74	-12.50	
36	57	7/2 ⁻		2.08	1.55	464.08	4.67	7.41	66.79	32.58	0.63	13.82	0.0128	14.91	37.54	-13.33	
37	58	7/2 ⁻	3/2 ⁻	2.07	1.53	466.30	2.22	6.89	79.77	18.98	1.25	17.53	0.0060	16.59	38.08	-14.34	
38	59	7/2 ⁻		2.09	1.51	470.77	4.47	6.69	51.09	47.07	1.48	15.49	0.0071	16.28	39.68	-15.93	
39	60	7/2	1/2	2.11	1.49	472.68	1.92	6.38	50.17	0.35	48.53	19.12	0.0048	17.71	41.34	-16.17	
40	61	7/2		2.11	1.42	476.95	4.26	6.18	38.72	57.51	1.47	16.97	0.0047	18.78	42.61	-17.56	
41	62	7/2	9/2	2.09	1.49	477.32	0.38	4.64	36.44	0.00	59.29	21.36	0.0032	18.39	42.83	-17.68	
42	63	1/2 ⁻		2.10	1.49	480.39	3.07	3.44	1.76	37.62	53.81	19.23	0.0029	18.71	43.68	-17.75	
43	64	1/2 ⁻	3/2 ⁺	2.09	1.46	481.17	0.78	3.85	5.49	20.89	63.60	23.04	0.0021	20.26	44.58	-18.38	
44	65	1/2 ⁻		2.07	1.39	483.84	2.67	3.45	0.00	30.36	8.11	20.78	0.0023	20.45	45.80	-18.84	
45	66	1/2 ⁻	5/2 ⁺	2.04	1.34	484.12	0.28	2.95	1.64	0.00	42.87	24.41	0.0017	21.51	48.63	-19.23	
46	67	1/2 ⁻		2.03	1.27	486.39	2.27	2.55	0.00	20.03	7.26	22.53	0.0017	21.76	49.60	-20.06	
47	68	1/2 ⁻	7/2 ⁺	2.04	1.21	486.33	-0.06	2.21	0.00	0.00	26.18	25.68	0.0014	22.67	50.92	-22.54	
48	69	1/2 ⁻		2.05	1.15	488.15	1.82	1.76	0.00	1.81	2.24	23.95	0.0014	22.85	52.10	-23.06	
49	70	1/2 ⁻	9/2 ⁺	2.07	1.11	487.81	-0.34	1.48	0.00	0.00	3.87	27.10	0.0011	23.80	53.21	-24.10	
50	71	1/2 ⁻		2.07	1.11	489.02	1.21	0.87	0.00	...	...	25.80	0.0010	23.32	53.96	-24.67	
51	72	1/2 ⁻	1/2 ⁺	2.06	1.14	487.67	-1.35	-0.14	...	...	...	29.56	0.0008	24.83	54.97	-24.78	
52	73	1/2 ⁻		2.04	1.09	487.84	0.17	-1.17	0.00	...	...	27.77	0.0008	25.08		-24.49	
53	74	1/2 ⁻	3/2 ⁺	2.03	1.11	485.95	-1.89	-1.72	0.00	0.00	...	30.47	0.0007	26.05		-24.96	
54	75	1/2 ⁻		2.02	1.11	485.21	-0.75	-2.64	0.00	0.00	0.00	29.09	0.0008				
55	76	1/2 ⁻	1/2 ⁺	1.99	1.13	482.05	-3.15	-3.90	0.00	0.00	0.00	32.15	0.0005				
Z = 22 (Ti)																	
12	34			1.60	2.64	193.76						23.08	0.0034	-1.94	-8.04	-11.91	
13	35		5/2 ⁺	1.61	2.35	215.65	21.88					24.59	0.0012	-1.98	-6.28	-11.55	
14	36			1.78	2.25	239.83	24.18	46.07				18.86	0.0125	-1.19	-5.29	-9.73	
15	37		1/2 ⁺	1.84	2.13	258.80	18.97	43.16				19.71	0.0071	-0.67	-3.15	-8.58	
16	38			1.89	2.03	280.29	21.49	40.46				14.67	0.0632	0.99	-1.14	-6.87	
17	39		1/2 ⁺	1.88	2.00	296.99	16.70	38.19				16.03	0.0429	1.25	0.86	-6.74	
18	40			1.89	1.98	316.05	19.06	35.76				11.80	0.2853	2.25	2.11	-6.32	
19	41		3/2 ⁺	1.89	2.03	331.20	15.15	34.20				12.41	0.0974	2.56	4.06	-6.77	
20	42			1.88	2.12	348.69	17.49	32.64				6.68	1.7393	4.30	6.04	-6.45	
21	43		5/2 ⁻	1.87	2.06	361.37	12.69	30.18				7.18	2.5534	5.23	9.44	-5.95	
22	44			1.85	2.03	376.76	15.39	28.08				0.99	> 100	7.43	12.55	-5.82	
23	45		3/2 ⁻	1.84	2.00	386.25	9.49	24.88				3.04	> 100	7.72	14.43	-6.02	
24	46			1.84	1.97	399.17	12.92	22.41				...	β -stable	9.10	16.20	-6.67	
25	47		7/2 ⁻	1.83	1.88	408.01	8.83	21.75				0.57		9.38	17.97	-7.89	
26	48			1.83	1.79	420.10	12.10	20.93				...	β -stable	10.75	19.76	-8.84	
27	49		1/2 ⁻	1.96	1.73	428.41	8.31	20.41				...	β -stable	11.76	21.65	-10.08	
28	50			1.97	1.73	438.66	10.24	18.56				...	β -stable	12.70	23.09	-10.02	
29	51		1/2 ⁻	1.98	1.62	444.77	6.11	16.35	100.00	0.00	0.00	2.51	> 100	13.09	24.61	-9.70	
30	52			1.99	1.53	452.71	7.95	14.06	100.00	0.00	0.00	1.93	> 100	14.10	26.14	-8.85	
31	53		3/2 ⁻	2.04	1.53	457.13	4.42	12.37	100.00	0.00	0.00	5.69	> 100	14.49	27.58	-8.68	
32	54			2.06	1.55	464.17	7.03	11.45	100.00	0.00	0.00	4.21	32.7061	15.98	29.04	-9.30	
33	55		1/2 ⁻	2.01	1.55	467.92	3.75	10.78	100.00	0.00	0.00	8.00	0.1530	16.46	30.39	-10.07	
34	56			2.02	1.55	474.36	6.45	10.19	99.94	0.06	0.00	6.18	0.8214	17.70	31.70	-10.94	
35	57		3/2 ⁻	2.02	1.56	477.11	2.75	9.20	99.96	0.04	0.00	10.18	0.0542	17.70	32.58	-11.29	
36	58			2.05	1.55	483.05	5.94	8.69	98.92	1.08	0.00	8.19	0.1523	18.97	33.88	-12.09	
37	59		3/2 ⁻	2.05	1.53	485.47	2.42	8.36	99.69	0.30	0.01	12.01	0.0213	19.17	35.76	-12.65	
38	60			2.07	1.52	491.02	5.55	7.97	98.38	1.62	0.00	9.61	0.0536	20.25	36.53	-13.55	
39	61		1/2 ⁻	2.09	1.51	493.14	2.12	7.66	98.50	0.80	0.71	13.18	0.0276	20.45	38.16	-15.13	
40	62			2.09	1.45	497.90	4.76	6.88	95.72	4.15	0.13	11.48	0.0177	20.95	39.73	-15.12	
41	63		9/2	2.07	1.51	498.83	0.94	5.70	88.51	7.41	4.08	15.74	0.0133	21.51	39.91	-15.56	

<i>N</i>	<i>A</i>	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 22 (Ti)																	
42	64			2.08	1.50	503.43	4.59	5.53	2.99	94.34	2.45	12.81	0.0141	23.04	41.75	-16.96	
43	65		3/2 ⁺	2.07	1.49	503.84	0.41	5.00	13.23	76.54	8.54	17.08	0.0088	22.67	42.93	-16.61	
44	66			2.04	1.28	507.75	3.91	4.32	35.14	58.56	3.35	15.56	0.0064	23.91	44.36	-17.78	
45	67		5/2 ⁺	2.02	1.30	508.14	0.39	4.31	0.60	71.70	22.05	18.51	0.0061	24.02	45.53	-18.94	
46	68			2.01	1.21	511.23	3.09	3.48	1.20	76.37	12.83	17.01	0.0052	24.84	46.60	-19.54	
47	69		7/2 ⁺	2.01	1.21	511.33	0.09	3.18	0.00	6.14	77.11	20.31	0.0039	24.99	47.66	-20.42	
48	70			2.02	1.13	514.13	2.81	2.90	0.00	41.47	41.49	18.50	0.0039	25.98	48.83	-21.20	
49	71		9/2 ⁺	2.04	1.11	514.03	-0.10	2.71	0.00	0.00	78.27	21.36	0.0031	26.22	50.03	-22.07	
50	72			2.05	1.11	516.45	2.42	2.32	0.00	2.25	66.10	19.84	0.0028	27.43	50.75	-22.85	
51	73		1/2 ⁺	2.03	1.15	514.84	-1.62	0.80	0.01	0.09	0.46	23.84	0.0021	27.17	52.00	-22.53	
52	74			2.01	1.11	515.64	0.80	-0.81	0.00	...	...	22.35	0.0020	27.80	52.88	-21.64	
53	75		3/2 ⁺	2.00	1.15	513.52	-2.12	-1.32	...	...	...	25.22	0.0017	27.56	53.62	-22.39	
54	76			1.99	1.11	513.42	-0.10	-2.22	0.00	0.00	0.00	23.94	0.0016	28.22		-22.37	
55	77		1/2 ⁺	1.97	1.11	510.59	-2.83	-2.92	0.00	0.00	0.00	27.01	0.0010	28.54		-22.40	
56	78			1.95	1.09	509.98	-0.62	-3.44	0.00	0.00	0.00	26.04	0.0010				
57	79		3/2 ⁺	1.95	1.06	508.69	-1.28	-1.90	0.00	0.00	0.00	27.28	0.0010				
58	80			1.92	1.06	507.75	-0.95	-2.23	0.00	0.00	0.00	26.42	0.0008				
Z = 23 (V)																	
13	36	3/2 ⁻	5/2 ⁺	1.64	2.35	210.04						29.01	0.0009	-5.61	-7.59	-10.64	
14	37	3/2 ⁻		1.69	2.27	234.94	24.90					23.08	0.0052	-4.89	-6.08	-10.94	
15	38	3/2 ⁻	1/2 ⁺	1.72	2.17	254.88	19.94	44.84				24.63	0.0040	-3.93	-4.59	-8.95	
16	39	3/2 ⁻		1.74	2.10	276.93	22.05	41.99				19.28	0.0110	-3.36	-2.37	-7.61	
17	40	3/2 ⁻	1/2 ⁺	1.79	2.03	294.64	17.71	39.76				20.63	0.0077	-2.35	-1.11	-6.87	
18	41	1/2 ⁻		1.88	1.98	313.82	19.18	36.90				16.59	0.0244	-2.23	0.02	-6.23	
19	42	1/2 ⁻	3/2 ⁺	1.88	2.04	330.43	16.61	35.80				17.47	0.0327	-0.76	1.80	-6.40	
20	43	1/2 ⁻		1.88	2.12	348.27	17.84	34.45				12.32	0.0387	-0.41	3.88	-6.18	
21	44	1/2 ⁻	5/2 ⁻	1.87	2.07	<i>362.42</i>	14.14	31.98				<i>13.56</i>	0.0206	<i>1.04</i>	<i>6.27</i>	<i>-5.49</i>	
22	45	1/2 ⁻		1.86	2.04	<i>378.18</i>	<i>15.76</i>	29.90				<i>7.29</i>	0.7203	<i>1.41</i>	<i>8.84</i>	<i>-5.49</i>	
23	46	1/2	1/2	1.85	2.00	<i>389.72</i>	<i>11.55</i>	<i>27.30</i>				<i>8.67</i>	1.2642	<i>3.47</i>	<i>11.18</i>	<i>-5.28</i>	
24	47	1/2 ⁻		1.84	1.97	<i>403.72</i>	<i>14.00</i>	<i>25.55</i>				<i>3.50</i>	> 100	<i>4.55</i>	<i>13.65</i>	<i>-6.09</i>	
25	48	3/2 ⁻	5/2 ⁻	1.75	1.86	<i>415.02</i>	<i>11.29</i>	<i>25.30</i>				<i>4.30</i>	> 100	<i>7.01</i>	<i>16.39</i>	<i>-8.19</i>	
26	49	5/2 ⁻		1.83	1.77	<i>426.35</i>	<i>11.33</i>	<i>22.63</i>				<i>1.28</i>	> 100	<i>6.25</i>	<i>17.00</i>	<i>-7.98</i>	
27	50	3/2 ⁻	7/2 ⁻	1.83	1.73	<i>436.06</i>	<i>9.71</i>	<i>21.05</i>	100.00	0.00	0.00	±	±	<i>7.65</i>	<i>19.41</i>	<i>-9.14</i>	
28	51	1/2 ⁻		1.92	1.72	<i>446.49</i>	<i>10.43</i>	<i>20.14</i>				...	β-stable	<i>7.83</i>	<i>20.53</i>	<i>-8.84</i>	
29	52	7/2	1/2	1.93	1.61	<i>453.86</i>	<i>7.37</i>	<i>17.80</i>	100.00	0.00	0.00	<i>4.20</i>	> 100	<i>9.10</i>	<i>22.19</i>	<i>-8.91</i>	
30	53	1/2 ⁻		1.93	1.51	<i>462.04</i>	<i>8.18</i>	<i>15.55</i>	100.00	0.00	0.00	<i>3.73</i>	> 100	<i>9.33</i>	<i>23.43</i>	<i>-7.79</i>	
31	54	3/2 ⁻	1/2 ⁻	1.92	1.57	<i>467.59</i>	<i>5.55</i>	<i>13.73</i>	100.00	0.00	0.00	<i>7.74</i>	0.8549	<i>10.46</i>	<i>24.95</i>	<i>-7.63</i>	
32	55	3/2 ⁻		1.93	1.57	<i>475.14</i>	<i>7.54</i>	<i>13.10</i>	100.00	0.00	0.00	<i>5.95</i>	0.7874	10.97	26.94	-8.23	
33	56	3/2 ⁻	3/2 ⁻	1.92	1.57	479.76	4.62	12.17	100.00	0.00	0.00	10.04	0.2028	11.84	28.30	-8.82	
34	57	3/2 ⁻		1.93	1.58	486.51	6.75	11.37	99.56	0.44	0.00	8.21	0.1434	12.15	29.84	-10.02	
35	58	3/2 ⁻	3/2 ⁻	1.94	1.56	490.45	3.94	10.69	99.23	0.77	0.00	12.17	0.0524	13.34	31.04	-10.70	
36	59	3/2 ⁻		1.95	1.58	496.70	6.25	10.19	94.06	5.94	0.00	10.19	0.0527	13.66	32.63	-11.74	
37	60	5/2 ⁻	3/2 ⁻	1.97	1.53	499.84	3.14	9.39	95.12	4.85	0.03	14.36	0.0128	14.37	33.54	-12.14	
38	61	5/2 ⁻		1.98	1.52	505.54	5.69	8.83	78.98	21.01	0.01	11.52	0.0269	14.52	34.77	-13.16	
39	62	5/2 ⁻	1/2 ⁻	2.02	1.52	508.60	3.06	8.75	77.51	22.00	0.49	15.02	0.0208	15.46	35.91	-14.00	
40	63	3/2 ⁻		2.02	1.46	513.79	5.19	8.25	71.12	28.64	0.24	12.74	0.0178	15.89	36.84	-14.73	
41	64	3/2 ⁻	1/2 ⁺	2.01	1.53	515.46	1.67	6.86	63.34	32.91	3.75	18.06	0.0083	16.62	38.14	-14.48	
42	65	3/2 ⁻		2.01	1.51	520.13	4.67	6.34	59.14	39.38	1.37	15.25	0.0090	16.70	39.74	-14.89	
43	66	3/2 ⁻	3/2 ⁺	1.98	1.34	522.54	2.40	7.08	46.28	15.63	37.88	18.51	0.0081	18.70	41.36	-16.92	
44	67	3/2 ⁻		1.97	1.26	525.87	3.33	5.74	29.55	63.14	3.49	17.41	0.0053	18.12	42.03	-17.18	
45	68	3/2 ⁻	5/2 ⁺	1.96	1.28	527.46	1.59	4.93	28.00	19.83	47.86	20.73	0.0044	19.32	43.34	-18.00	
46	69	3/2 ⁻		1.95	1.18	530.85	3.38	4.98	3.63	76.42	11.42	19.18	0.0039	19.62	44.46	-18.71	
47	70	3/2 ⁻	7/2 ⁺	1.94	1.18	531.85	1.01	4.39	3.41	31.19	51.88	22.50	0.0031	20.53	45.52	-19.44	
48	71	3/2 ⁻		1.94	1.15	534.61	2.76	3.76	0.00	43.33	25.15	20.79	0.0030	20.48	46.46	-19.92	
49	72	3/2 ⁻	9/2 ⁺	1.96	1.11	535.51	0.90	3.66	0.00	1.48	54.30	23.50	0.0027	21.48	47.70	-20.88	
50	73	3/2 ⁻		1.97	1.12	537.89	2.38	3.28	0.00	41.40	2.61	22.09	0.0024	21.44	48.88	-21.44	
51	74	3/2 ⁻	1/2 ⁺	1.96	1.17	537.21	-0.69	1.70	0.00	0.00	31.32	26.06	0.0017	22.37	49.54	-21.10	

N	A	Ω_p^π	Ω_n^π	Δ_{LNp} (MeV)	Δ_{LNn} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 23$ (V)																	
52	75	$3/2^-$		1.95	1.10	537.95	0.75	0.06	0.00	...	...	24.67	0.0016	22.31	50.11	-20.64	
53	76	$3/2^-$	$3/2^+$	1.93	1.15	536.58	-1.37	-0.62	...	...	...	27.64	0.0013	23.06	50.63	-20.62	
54	77	$3/2^-$		1.92	1.13	536.83	0.24	-1.13	0.00	0.00	0.00	26.23	0.0013	23.40	51.62	-20.69	
55	78	$3/2^-$	$3/2^+$	1.91	1.11	535.24	-1.59	-1.34	...	...	...	29.04	0.0011	24.65	53.18	-20.99	
56	79	$3/2^-$		1.92	1.07	535.19	-0.05	-1.63	0.00	0.00	0.00	27.60	0.0008	25.21		-21.69	
57	80	$3/2^-$	$3/2^+$	1.90	1.08	533.38	-1.81	-1.86	0.00	0.00	0.00	29.20	0.0009	24.69		-23.03	
58	81	$3/2^-$		1.89	1.06	532.88	-0.50	-2.31	0.00	0.00	0.00	28.10	0.0008	25.13			
59	82	$3/2^-$	$3/2^-$	1.87	1.06	530.67	-2.20	-2.70	0.00	0.00	0.00	30.61	0.0007				
60	83	$3/2^-$		1.86	1.04	529.70	-0.98	-3.18	0.00	0.00	0.00	29.87	0.0005				
$Z = 24$ (Cr)																	
14	38			1.61	2.26	232.29						21.80	0.0044	-2.65	-7.54	-10.23	
15	39		$1/2^+$	1.59	2.17	252.70	20.41					23.45	0.0037	-2.18	-6.11	-8.76	
16	40			1.62	2.14	276.04	23.34	43.75				17.82	0.0093	-0.89	-4.25	-7.91	
17	41		$1/2^+$	1.68	2.05	294.45	18.41	41.75				18.59	0.0094	-0.19	-2.54	-7.35	
18	42			1.81	1.99	314.78	20.34	38.75				14.87	0.0450	0.96	-1.26	-6.20	
19	43		$3/2^+$	1.82	2.05	331.78	17.00	37.33				15.71	0.0299	1.35	0.59	-6.49	
20	44			1.82	2.14	351.03	19.25	36.24				10.61	0.1186	2.75	2.34	-6.68	
21	45		$5/2^-$	1.81	2.08	365.52	14.49	33.74				11.88	0.0822	3.10	4.14	-6.03	
22	46			1.80	2.05	382.63	17.11	31.60				6.31	0.6710	4.45	5.87	-5.65	
23	47		$3/2^-$	1.78	2.01	395.22	12.59	29.70				7.72	1.2399	5.50	8.97	-5.55	
24	48			1.77	1.97	411.16	15.94	28.53				3.08	> 100	7.44	11.99	-6.10	
25	49		$5/2^-$	1.65	1.85	423.01	11.85	27.79				2.56	> 100	7.99	15.00	-8.46	
26	50			1.76	1.77	435.39	12.38	24.23				...	β -stable	9.04	15.28	-7.92	
27	51		$7/2^-$	1.75	1.72	445.63	10.24	22.62				0.08	> 100	9.57	17.22	-9.33	
28	52			1.85	1.71	457.28	11.65	21.89				...	β -stable	10.79	18.62	-8.88	
29	53		$1/2^-$	1.85	1.59	464.99	7.71	19.37				...	β -stable	11.13	20.23	-8.28	
30	54			1.83	1.62	474.55	9.56	17.27				...	β -stable	12.51	21.83	-7.60	
31	55		$1/2^-$	1.86	1.58	480.31	5.76	15.31	100.00	0.00	0.00	2.54	70.9569	12.71	23.17	-7.24	
32	56			1.87	1.56	489.02	8.72	14.47	100.00	0.00	0.00	0.77	> 100	13.89	24.85	-8.01	
33	57		$3/2^-$	1.87	1.56	493.93	4.91	13.63	100.00	0.00	0.00	4.78	2.0822	14.18	26.02	-8.51	
34	58			1.88	1.56	501.84	7.91	12.82	100.00	0.00	0.00	3.02	50.1848	15.33	27.48	-9.38	
35	59		$3/2^-$	1.89	1.56	506.12	4.27	12.18	100.00	0.00	0.00	6.89	0.5833	15.66	29.00	-9.90	
36	60			1.90	1.58	513.42	7.30	11.57	100.00	0.00	0.00	5.04	3.6898	16.72	30.37	-10.76	
37	61		$3/2^+$	1.85	1.50	516.28	2.86	10.16	99.40	0.60	0.00	9.45	0.7550	16.43	30.81	-10.87	
38	62			1.85	1.46	522.83	6.55	9.41	98.96	1.04	0.00	7.24	0.4111	17.30	31.82	-11.49	
39	63		$3/2^-$	1.85	1.43	525.75	2.91	9.47	98.58	1.42	0.00	11.16	0.0966	17.15	32.61	-11.98	
40	64			1.95	1.46	532.74	6.99	9.91	98.18	1.82	0.00	8.03	0.1539	18.95	34.84	-13.43	
41	65		$1/2^+$	1.94	1.52	534.60	1.86	8.86	94.22	5.45	0.32	12.21	0.1006	19.14	35.77	-13.17	
42	66			1.94	1.51	540.26	5.66	7.52	93.01	6.99	0.00	9.93	0.0710	20.13	36.83	-14.07	
43	67		$3/2^+$	1.93	1.41	542.50	2.24	7.90	86.33	12.42	1.24	13.99	0.0374	19.97	38.66	-15.37	
44	68			1.93	1.28	547.41	4.91	7.15	85.27	14.65	0.08	11.95	0.0256	21.55	39.66	-15.69	
45	69		$5/2^+$	1.93	1.26	549.24	1.83	6.74	72.25	21.21	6.53	15.29	0.0191	21.78	41.10	-17.11	
46	70			1.92	1.19	553.58	4.33	6.16	58.19	39.31	2.44	13.58	0.0160	22.73	42.34	-17.53	
47	71		$7/2^+$	1.90	1.19	554.62	1.04	5.38	25.05	56.53	17.58	17.11	0.0118	22.77	43.30	-18.18	
48	72			1.90	1.12	558.23	3.61	4.66	0.72	85.96	9.63	15.65	0.0112	23.62	44.10	-18.70	
49	73		$9/2^+$	1.90	1.11	559.21	0.97	4.58	0.00	41.52	47.74	18.60	0.0094	23.69	45.17	-19.58	
50	74			1.90	1.13	562.49	3.28	4.26	0.00	73.28	7.81	17.28	0.0080	24.59	46.04	-20.06	
51	75		$1/2^+$	1.90	1.21	561.84	-0.64	2.64	0.01	0.05	70.58	21.35	0.0052	24.64	47.01	-19.51	
52	76			1.90	1.11	563.44	1.60	0.95	0.00	0.17	51.31	19.83	0.0041	25.49	47.80	-18.69	
53	77		$3/2^+$	1.90	1.16	562.28	-1.16	0.43	0.00	0.00	0.11	22.46	0.0035	25.69	48.76	-19.15	
54	78			1.89	1.13	563.50	1.22	0.05	0.00	...	...	20.84	0.0033	26.67	50.07	-19.56	
55	79		$3/2^+$	1.88	1.13	562.01	-1.49	-0.27	...	...	...	23.51	0.0025	26.77	51.41	-20.19	
56	80			1.89	1.09	561.79	-0.21	-1.70	0.00	0.00	0.00	22.90	0.0013	26.60	51.82	-20.08	
57	81		$3/2^+$	1.88	1.10	560.20	-1.60	-1.81	...	...	...	25.39	0.0012	26.82	51.50	-21.31	
58	82			1.87	1.08	560.51	0.31	-1.29	0.00	0.00	0.00	23.41	0.0013	27.63	52.76	-22.23	
59	83		$3/2^-$	1.87	1.07	558.79	-1.72	-1.41	0.00	0.00	0.00	25.36	0.0013	28.11		-21.80	
60	84			1.86	1.05	558.68	-0.10	-1.82	0.00	0.00	0.00	24.34	0.0010	28.99		-22.64	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 24$ (Cr)																	
61	85		3/2 ⁺	1.84	1.05	556.33	-2.36	-2.46	0.00	0.00	0.00	27.11	0.0008				
62	86			1.82	1.04	555.91	-0.42	-2.78	0.00	0.00	0.00	25.91	0.0007				
$Z = 25$ (Mn)																	
15	40	5/2 ⁻	1/2 ⁺	1.58	2.17	247.23						28.02	0.0024	-5.46	-7.64	-8.90	
16	41	5/2 ⁻		1.62	2.16	271.25	24.01					22.42	0.0046	-4.79	-5.68	-8.01	
17	42	5/2 ⁻	1/2 ⁺	1.67	2.07	290.60	19.35	43.36				23.41	0.0044	-3.85	-4.04	-7.42	
18	43	5/2 ⁻		1.70	2.01	312.49	21.89	41.24				18.51	0.0131	-2.30	-1.34	-7.26	
19	44	3/2 ⁻	1/2 ⁺	1.73	2.05	330.11	17.63	39.52				20.13	0.0133	-1.67	-0.32	-7.18	
20	45	5/2 ⁻		1.73	2.15	349.57	19.46	37.08				15.16	0.0182	-1.46	1.30	-7.45	
21	46	3/2 ⁻	7/2 ⁻	1.73	2.10	365.52	15.95	35.41				16.32	0.0149	0.01	3.11	-6.80	
22	47	5/2 ⁻		1.72	2.06	382.95	17.43	33.38				11.48	0.0818	0.32	4.78	-6.38	
23	48	5/2 ⁻	3/2 ⁻	1.68	1.94	397.89	14.94	32.37				12.48	0.1033	2.68	8.17	-7.18	
24	49	5/2 ⁻		1.61	1.91	414.52	16.63	31.57				7.70	1.0336	3.36	10.80	-8.05	
25	50	5/2 ⁻	5/2 ⁻	1.60	1.85	426.75	12.22	28.85				7.86	2.8540	3.74	11.73	-8.73	
26	51	5/2 ⁻		1.60	1.80	441.19	14.45	26.67				3.65	> 100	5.81	14.84	-9.18	
27	52	5/2 ⁻	7/2 ⁻	1.64	1.73	451.64	10.44	24.89				4.86	> 100	6.01	15.58	-8.32	
28	53	1/2 ⁻		1.69	1.71	463.64	12.01	22.45				0.57	> 100	6.36	17.15	-9.00	
29	54	5/2 ⁻	1/2 ⁻	1.65	1.62	472.46	8.81	20.82	100.00	0.00	0.00	±	±	7.47	18.60	-8.10	
30	55	5/2 ⁻		1.70	1.61	482.06	9.60	18.42				0.43		7.51	20.02	-7.28	
31	56	5/2 ⁻	1/2 ⁻	1.78	1.58	489.01	6.95	16.55	100.00	0.00	0.00	4.15	> 100	8.70	21.42	-6.85	
32	57	5/2 ⁻		1.79	1.56	497.93	8.92	15.87	100.00	0.00	0.00	2.59	45.1996	8.91	22.80	-7.60	
33	58	5/2 ⁻	3/2 ⁻	1.81	1.55	504.08	6.15	15.07	100.00	0.00	0.00	6.48	1.0587	10.15	24.32	-8.19	
34	59	5/2 ⁻		1.81	1.56	512.22	8.14	14.29	100.00	0.00	0.00	4.62	0.9940	10.38	25.71	-8.79	
35	60	5/2 ⁻	3/2 ⁻	1.81	1.57	517.67	5.45	13.59	100.00	0.00	0.00	8.54	0.5617	11.56	27.22	-9.62	
36	61	5/2 ⁻		1.82	1.57	524.94	7.27	12.72	99.99	0.01	0.00	7.01	0.2406	11.52	28.24	-10.14	
37	62	5/2 ⁻	3/2 ⁺	1.80	1.51	529.29	4.34	11.62	99.97	0.03	0.00	10.99	0.1585	13.01	29.44	-10.54	
38	63	5/2 ⁻		1.81	1.49	536.13	6.84	11.18	99.79	0.21	0.00	8.83	0.0923	13.29	30.59	-11.13	
39	64	5/2 ⁻	3/2 ⁻	1.80	1.47	539.99	3.86	10.70	98.58	1.42	0.00	13.01	0.0415	14.24	31.39	-11.85	
40	65	5/2 ⁻		1.83	1.49	546.03	6.04	9.90	93.08	6.92	0.00	11.46	0.0289	13.29	32.24	-12.19	
41	66	5/2 ⁻	5/2 ⁺	1.82	1.47	549.41	3.38	9.42	88.95	10.88	0.17	15.26	0.0231	14.80	33.95	-12.51	
42	67	5/2 ⁻		1.81	1.51	555.70	6.30	9.68	88.63	11.36	0.01	12.05	0.0250	15.44	35.57	-13.62	
43	68	5/2 ⁻	1/2 ⁻	1.84	1.43	558.59	2.88	9.18	85.10	13.34	1.56	16.07	0.0141	16.08	36.05	-14.83	
44	69	5/2 ⁻		1.83	1.34	563.75	5.17	8.05	76.02	23.62	0.36	13.84	0.0141	16.34	37.88	-15.32	
45	70	5/2 ⁻	5/2 ⁺	1.83	1.28	566.38	2.62	7.79	72.75	19.96	7.29	17.31	0.0107	17.14	38.91	-15.55	
46	71	5/2 ⁻		1.83	1.21	570.95	4.57	7.20	68.73	28.06	3.01	15.64	0.0093	17.37	40.10	-16.78	
47	72	5/2 ⁻	7/2 ⁺	1.81	1.17	573.10	2.15	6.72	36.13	48.67	14.85	19.04	0.0073	18.48	41.25	-17.34	
48	73	5/2 ⁻		1.80	1.11	577.03	3.92	6.08	20.21	69.79	6.10	17.36	0.0075	18.79	42.42	-17.88	
49	74	5/2 ⁻	9/2 ⁺	1.78	1.11	578.99	1.96	5.89	0.00	68.25	25.54	20.34	0.0062	19.78	43.48	-18.84	
50	75	5/2 ⁻		1.77	1.15	582.41	3.43	5.39	0.00	76.04	13.16	18.97	0.0055	19.93	44.52	-19.51	
51	76	5/2 ⁻	1/2 ⁺	1.78	1.22	582.49	0.08	3.50	0.00	17.38	62.67	23.36	0.0034	20.65	45.28	-18.68	
52	77	5/2 ⁻		1.80	1.12	583.95	1.46	1.54	0.00	14.66	38.46	21.95	0.0029	20.51	46.00	-17.76	
53	78	5/2 ⁻	3/2 ⁺	1.80	1.18	583.55	-0.40	1.06	0.00	0.00	13.06	24.61	0.0025	21.27	46.97	-18.05	
54	79	5/2 ⁻		1.80	1.14	584.73	1.18	0.78	0.00	...	...	23.27	0.0022	21.24	47.91	-18.48	
55	80	5/2 ⁻	3/2 ⁺	1.80	1.14	583.91	-0.82	0.37	...	...	...	25.68	0.0019	21.91	48.67	-19.04	
56	81	5/2 ⁻		1.80	1.12	584.81	0.89	0.08	0.00	...	...	23.93	0.0019	23.01	49.62	-19.69	
57	82	5/2 ⁻	1/2 ⁻	1.81	1.15	583.14	-1.67	-0.78	...	...	...	27.18	0.0012	22.94	49.76	-19.60	
58	83	5/2 ⁻		1.80	1.10	583.37	0.23	-1.44	0.00	0.00	0.00	25.83	0.0010	22.86	50.49	-19.88	
59	84	5/2 ⁻	3/2 ⁻	1.80	1.11	582.24	-1.13	-0.89	0.00	0.00	...	27.62	0.0011	23.46	51.57	-20.57	
60	85	5/2 ⁻		1.80	1.05	582.65	0.41	-0.71	0.00	0.00	0.00	26.08	0.0010	23.97	52.96	-21.48	
61	86	5/2 ⁻	3/2 ⁺	1.78	1.07	581.04	-1.61	-1.20	...	...	...	29.09	0.0007	24.71		-22.07	
62	87	5/2 ⁻		1.76	1.06	580.86	-0.18	-1.79	0.00	0.00	0.00	27.75	0.0007	24.95		-22.87	
63	88	5/2 ⁻	5/2 ⁻	1.75	1.05	578.97	-1.89	-2.07	0.00	0.00	...	30.12	0.0007				
64	89	1/2 ⁻		1.75	1.03	578.90	-0.07	-1.96	0.00	0.00	0.00	28.67	0.0007				
$Z = 26$ (Fe)																	
16	42			1.53	2.18	269.25						20.56	0.0047	-1.99	-6.78	-8.67	
17	43		1/2 ⁺	1.58	2.07	288.74	19.49					22.97	0.0032	-1.86	-5.71	-7.74	

N	A	Ω_p^π	Ω_n^π	Δ_{LNp} (MeV)	Δ_{LNn} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 26 (Fe)																	
18	44			1.64	1.99	311.18	22.44	41.93				18.15	0.0107	-1.30	-3.60	-6.85	
19	45		3/2 ⁺	1.64	2.06	329.96	18.78	41.22				18.83	0.0097	-0.16	-1.82	-7.22	
20	46			1.64	2.16	350.96	21.00	39.78				13.78	0.0180	1.39	-0.06	-7.88	
21	47		5/2 ⁻	1.64	2.11	367.13	16.17	37.17				15.04	0.0269	1.61	1.62	-7.06	
22	48			1.63	2.08	386.02	18.88	35.05				11.10	0.0595	3.06	3.39	-6.70	
23	49		3/2 ⁻	1.61	2.03	400.23	14.22	33.10				13.51	0.0500	2.34	5.02	-6.42	
24	50			1.60	1.99	417.83	17.60	31.82				8.13	0.5418	3.31	6.67	-6.91	
25	51		5/2 ⁻	1.55	1.85	432.12	14.28	31.88				8.30	0.9420	5.37	9.11	-8.60	
26	52			1.57	1.75	447.72	15.60	29.89				3.14	> 100	6.52	12.33	-8.26	
27	53		7/2 ⁻	1.53	1.72	459.37	11.65	27.25				3.49	84.5236	7.73	13.74	-8.07	
28	54			1.57	1.71	472.59	13.22	24.87				...	β -stable	8.95	15.31	-8.91	
29	55		1/2 ⁻	1.59	1.59	481.71	9.11	22.34				...	β -stable	9.25	16.71	-7.78	
30	56			1.58	1.50	492.37	10.67	19.78				...	β -stable	10.31	17.82	-6.80	
31	57		1/2 ⁻	1.68	1.56	499.74	7.36	18.03				...	β -stable	10.73	19.43	-6.45	
32	58			1.71	1.54	509.78	10.04	17.40				...	β -stable	11.84	20.75	-6.93	
33	59		3/2 ⁻	1.74	1.55	516.06	6.29	16.33	100.00	0.00	0.00	1.77	> 100	11.98	22.13	-7.46	
34	60			1.75	1.55	525.43	9.36	15.65	100.00	0.00	0.00	...	β -stable	13.20	23.58	-8.11	
35	61		3/2 ⁻	1.75	1.55	531.18	5.75	15.11	100.00	0.00	0.00	3.54	20.2635	13.50	25.06	-8.94	
36	62			1.75	1.56	539.50	8.32	14.07	100.00	0.00	0.00	1.76	> 100	14.55	26.08	-9.36	
37	63		3/2 ⁻	1.71	1.54	544.17	4.68	13.00	100.00	0.00	0.00	5.78	0.9808	14.89	27.90	-9.76	
38	64			1.70	1.54	552.21	8.04	12.72	100.00	0.00	0.00	3.50	25.4054	16.09	29.38	-10.50	
39	65		1/2 ⁻	1.69	1.52	556.71	4.49	12.53	100.00	0.00	0.00	7.20	1.3266	16.72	30.96	-12.13	
40	66			1.69	1.51	563.89	7.18	11.67	100.00	0.00	0.00	5.41	2.6220	17.86	31.15	-12.76	
41	67		1/2 ⁺	1.70	1.51	566.97	3.08	10.27	98.87	1.13	0.00	9.71	1.1389	17.57	32.37	-12.93	
42	68			1.69	1.51	573.87	6.90	9.98	98.24	1.76	0.00	7.22	0.7673	18.17	33.61	-12.84	
43	69		3/2 ⁺	1.69	1.47	576.81	2.94	9.84	93.06	6.94	0.00	11.21	0.4021	18.23	34.31	-13.91	
44	70			1.70	1.41	582.91	6.09	9.04	90.49	9.51	0.00	9.12	0.2453	19.16	35.49	-14.35	
45	71		5/2 ⁺	1.74	1.30	585.81	2.90	9.00	85.55	14.15	0.30	12.42	0.1175	19.43	36.57	-15.01	
46	72			1.74	1.23	591.36	5.55	8.45	86.70	13.30	0.00	10.66	0.0886	20.41	37.78	-15.65	
47	73		7/2 ⁺	1.74	1.18	593.60	2.25	7.80	72.17	24.01	3.82	14.09	0.0514	20.50	38.98	-16.07	
48	74			1.72	1.12	598.55	4.94	7.19	67.24	31.15	1.61	12.41	0.0516	21.52	40.31	-16.68	
49	75		9/2 ⁺	1.67	1.09	600.60	2.06	7.00	0.56	81.99	17.45	15.58	0.0498	21.62	41.40	-17.69	
50	76			1.65	1.17	605.07	4.46	6.52	0.38	88.21	11.33	14.09	0.0446	22.65	42.58	-18.54	
51	77		1/2 ⁺	1.66	1.23	605.12	0.06	4.52	0.01	34.35	57.46	18.51	0.0235	22.63	43.28	-17.62	
52	78			1.70	1.16	607.38	2.25	2.31	0.00	39.61	32.56	17.21	0.0150	23.42	43.94	-16.59	
53	79		3/2 ⁺	1.70	1.18	607.22	-0.16	2.09	0.00	0.01	47.95	19.76	0.0118	23.67	44.94	-17.08	
54	80			1.73	1.16	608.82	1.60	1.44	0.00	0.00	0.00	18.60	0.0068	24.08	45.32	-17.08	
55	81		1/2 ⁺	1.74	1.15	607.95	-0.86	0.74	0.00	0.00	42.17	21.31	0.0031	24.04	45.94	-17.38	
56	82			1.75	1.14	609.53	1.58	0.72	0.00	...	...	19.63	0.0036	24.73	47.74	-17.74	
57	83		3/2 ⁺	1.74	1.18	608.42	-1.12	0.47	...	...	...	22.44	0.0020	25.28	48.22	-18.12	
58	84			1.76	1.12	609.08	0.66	-0.45	0.00	...	...	21.08	0.0019	25.71	48.58	-18.99	
59	85		3/2 ⁻	1.76	1.12	607.96	-1.13	-0.46	...	...	...	22.99	0.0023	25.71	49.17	-19.46	
60	86			1.77	1.06	609.34	1.39	0.26	0.00	0.00	0.00	21.34	0.0019	26.69	50.66	-20.54	
61	87		3/2 ⁺	1.75	1.09	607.83	-1.52	-0.13	...	...	...	24.13	0.0014	26.78	51.50	-20.74	
62	88			1.73	1.07	608.31	0.49	-1.03	0.00	...	...	23.02	0.0013	27.45	52.40	-21.33	
63	89		5/2 ⁻	1.72	1.05	606.79	-1.52	-1.03	...	...	...	25.26	0.0012	27.82		-22.17	
64	90			1.72	1.04	607.41	0.61	-0.91	0.00	0.00	0.00	23.71	0.0012	28.51		-23.20	
65	91		1/2 ⁺	1.71	1.04	604.72	-2.68	-2.07	0.00	0.00	...	27.24	0.0007				
66	92			1.69	1.03	605.87	1.15	-1.54	0.00	0.00	0.00	24.13	0.0010				
Z = 27 (Co)																	
17	44	7/2 ⁻	1/2 ⁺	1.54	2.03	283.51						26.89	0.0026	-5.23	-7.09	-7.98	
18	45	1/2 ⁻		1.56	2.07	307.37	23.86					21.80	0.0046	-3.81	-5.11	-7.83	
19	46	1/2 ⁻	1/2 ⁺	1.47	2.07	326.83	19.45	43.32				23.35	0.0051	-3.13	-3.29	-7.93	
20	47	1/2 ⁻		1.44	2.17	348.65	21.82	41.28				17.70	0.0103	-2.31	-0.92	-7.87	
21	48	7/2 ⁻	1/2 ⁻	1.46	2.11	366.04	17.39	39.22				19.19	0.0134	-1.09	0.51	-7.63	
22	49	3/2 ⁻		1.43	2.10	385.59	19.55	36.94				13.86	0.0439	-0.43	2.63	-7.72	
23	50	7/2 ⁻	3/2 ⁻	1.54	2.02	401.16	15.57	35.12				15.89	0.0474	0.93	3.26	-7.34	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 27$ (Co)																	
24	51	$7/2^-$		1.52	1.97	419.20	18.04	33.61				12.13	0.1034	1.37	4.68	-7.95	
25	52	$7/2^-$	$5/2^-$	1.52	1.86	433.67	14.47	32.51				13.27	0.1173	1.55	6.92	-7.48	
26	53	$7/2^-$		1.50	1.77	450.44	16.77	31.24				8.15	1.2295	2.72	9.24	-7.62	
27	54	$7/2^-$	$7/2^-$	1.49	1.71	462.94	12.51	29.28				8.87	2.9809	3.57	11.30	-7.90	
28	55	$7/2^-$		1.46	1.72	477.73	14.78	27.29				3.20	> 100	5.13	14.08	-8.24	
29	56	$7/2^-$	$1/2^-$	1.48	1.59	487.43	9.70	24.49				4.16	> 100	5.72	14.97	-7.49	
30	57	$7/2^-$		1.54	1.51	498.74	11.31	21.02				0.21	> 100	6.37	16.68	-6.80	
31	58	$7/2^-$	$1/2^-$	1.60	1.51	506.91	8.17	19.49	100.00	0.00	0.00	$\pm$	$\pm$	7.18	17.90	-6.16	
32	59	$7/2^-$		1.63	1.50	517.06	10.14	18.31				...	β -stable	7.28	19.12	-6.70	
33	60	$7/2^-$	$3/2^-$	1.64	1.51	524.55	7.49	17.64	100.00	0.00	0.00	$\pm$	$\pm$	8.49	20.47	-7.24	
34	61	$7/2^-$		1.66	1.52	533.93	9.38	16.88	100.00	0.00	0.00	1.48	> 100	8.51	21.71	-7.70	
35	62	$7/2^-$	$3/2^-$	1.67	1.53	540.47	6.54	15.93	100.00	0.00	0.00	5.27	> 100	9.30	22.80	-8.10	
36	63	$7/2^-$		1.67	1.53	549.18	8.70	15.24	100.00	0.00	0.00	3.46	9.7529	9.68	24.23	-8.66	
37	64	$7/2^-$	$5/2^-$	1.65	1.53	554.93	5.76	14.46	100.00	0.00	0.00	7.48	0.4890	10.76	25.64	-8.96	
38	65	$7/2^-$		1.64	1.53	563.13	8.20	13.95	100.00	0.00	0.00	5.61	0.4110	10.91	27.00	-9.89	
39	66	$7/2^-$	$1/2^-$	1.64	1.52	568.51	5.38	13.58	100.00	0.00	0.00	9.35	0.3639	11.80	28.52	-10.93	
40	67	$7/2^-$		1.64	1.51	575.90	7.38	12.77	99.96	0.04	0.00	7.88	0.1047	12.01	29.87	-11.47	
41	68	$7/2^-$	$1/2^+$	1.64	1.51	580.31	4.42	11.80	99.02	0.98	0.00	11.73	0.0837	13.34	30.91	-12.03	
42	69	$7/2^-$		1.64	1.51	587.24	6.93	11.35	99.12	0.88	0.00	8.97	0.0766	13.37	31.54	-12.92	
43	70	$7/2^-$	$3/2^+$	1.64	1.50	591.25	4.00	10.94	97.49	2.51	0.00	13.09	0.0475	14.44	32.66	-13.55	
44	71	$7/2^-$		1.64	1.45	597.45	6.20	10.20	97.39	2.61	0.00	10.82	0.0394	14.54	33.69	-13.45	
45	72	$7/2^-$	$5/2^+$	1.65	1.35	601.23	3.79	9.98	94.96	4.80	0.23	13.98	0.0316	15.42	34.85	-14.35	
46	73	$7/2^-$		1.64	1.29	606.92	5.68	9.47	95.17	4.82	0.01	12.26	0.0256	15.56	35.97	-14.87	
47	74	$7/2^-$	$7/2^+$	1.65	1.19	610.17	3.26	8.94	91.80	6.90	1.30	15.50	0.0187	16.57	37.07	-15.50	
48	75	$7/2^-$		1.64	1.12	615.40	5.23	8.48	92.55	6.94	0.51	13.96	0.0173	16.85	38.37	-16.16	
49	76	$7/2^-$	$9/2^+$	1.62	1.08	618.37	2.97	8.19	90.52	3.63	5.85	17.05	0.0148	17.76	39.38	-16.97	
50	77	$7/2^-$		1.60	1.17	622.85	4.48	7.45	0.00	94.89	5.11	15.65	0.0134	17.79	40.44	-17.53	
51	78	$7/2^-$	$1/2^+$	1.61	1.25	623.80	0.95	5.44	0.00	82.80	15.32	20.68	0.0067	18.68	41.31	-16.52	
52	79	$7/2^-$		1.62	1.19	626.20	2.39	3.34	0.00	78.56	7.52	18.81	0.0068	18.82	42.24	-15.48	
53	80	$7/2^-$	$3/2^+$	1.62	1.21	626.63	0.44	2.83	0.00	0.00	77.26	22.07	0.0049	19.42	43.08	-15.85	
54	81	$7/2^-$		1.62	1.20	628.48	1.85	2.29	0.00	0.00	0.00	20.39	0.0048	19.67	43.75	-16.23	
55	82	$7/2^-$	$1/2^+$	1.64	1.18	628.39	-0.10	1.75	0.00	0.00	24.41	23.51	0.0020	20.43	44.47	-16.54	
56	83	$7/2^-$		1.65	1.17	630.08	1.69	1.60	0.00	...	...	21.23	0.0032	20.54	45.27	-17.05	
57	84	$1/2^-$	$3/2^+$	1.70	1.19	629.38	-0.70	1.00	...	...	...	24.28	0.0020	20.96	46.24	-17.17	
58	85	$1/2^-$		1.71	1.14	630.17	0.79	0.09	0.00	...	...	23.09	0.0019	21.08	46.80	-17.06	
59	86	$1/2^-$	$3/2^-$	1.72	1.11	629.91	-0.26	0.52	...	...	...	24.76	0.0023	21.95	47.66	-18.47	
60	87	$1/2^-$		1.73	1.07	631.17	1.27	1.01	0.00	...	...	23.10	0.0020	21.83	48.52	-19.51	
61	88	$1/2^-$	$3/2^+$	1.72	1.10	630.56	-0.62	0.65	...	...	...	25.78	0.0015	22.73	49.52	-20.02	
62	89	$1/2^-$		1.71	1.08	631.27	0.71	0.09	0.00	...	...	24.53	0.0014	22.95	50.40	-20.32	
63	90	$1/2^-$	$5/2^-$	1.71	1.07	630.34	-0.93	-0.22	...	...	...	27.04	0.0013	23.55	51.36	-21.00	
64	91	$5/2^-$		1.71	1.05	631.18	0.85	-0.08	0.00	...	...	25.36	0.0012	23.78	52.28	-22.02	
65	92	$1/2^-$	$1/2^+$	1.70	1.05	629.22	-1.97	-1.12	...	...	...	28.64	0.0008	24.50		-21.95	
66	93	$1/2^-$		1.68	1.03	629.19	-0.03	-1.99	0.00	0.00	0.00	27.24	0.0008	23.32		-22.00	
67	94	$1/2^-$	$5/2^-$	1.68	1.01	628.05	-1.14	-1.16	0.00	0.00	...	28.97	0.0008				
68	95	$1/2^-$		1.67	0.99	627.86	-0.19	-1.33	0.00	0.00	0.00	27.66	0.0007				
69	96	$1/2^-$	$7/2^-$	1.67	0.98	626.07	-1.79	-1.99	0.00	0.00	0.00	30.25	0.0006				
$Z = 28$ (Ni)																	
18	46			1.45	2.00	304.65						21.39	0.0039	-2.72	-6.53	-7.10	
19	47		$1/2^+$	1.47	2.07	325.25	20.60					22.62	0.0033	-1.58	-4.71	-8.22	
20	48			1.49	2.17	347.93	22.68	43.28				17.33	0.0054	-0.72	-3.03	-8.46	
21	49		$7/2^-$	1.51	2.13	365.76	17.83	40.51				19.04	0.0050	-0.28	-1.37	-7.51	
22	50			1.52	2.11	386.32	20.56	38.39				14.06	0.0168	0.73	0.30	-7.06	
23	51		$3/2^-$	1.53	2.06	402.11	15.80	36.35				16.30	0.0150	0.95	1.88	-6.68	
24	52			1.53	2.00	421.37	19.26	35.05				11.51	0.0767	2.17	3.54	-7.06	
25	53		$7/2^-$	1.54	1.87	436.28	14.90	34.16				13.38	0.0461	2.61	4.16	-7.75	
26	54			1.54	1.75	454.35	18.07	32.98				7.81	0.6459	3.91	6.63	-8.22	
27	55		$7/2^-$	1.54	1.69	468.41	14.06	32.13				8.53	0.4546	5.47	9.04	-8.00	

<i>N</i>	<i>A</i>	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 28 (Ni)																	
28	56			1.55	1.72	484.49	16.08	30.14				2.16	> 100	6.76	11.90	-8.48	
29	57		3/2 ⁻	1.57	1.58	495.04	10.55	26.63				2.92	> 100	7.61	13.33	-7.38	
30	58			1.59	1.48	507.07	12.03	22.58				...	β -stable	8.33	14.70	-6.18	
31	59		3/2	1.59	1.49	515.61	8.54	20.57				0.67	> 100	8.69	15.87	-5.60	
32	60			1.59	1.51	527.02	11.41	19.95				...	β -stable	9.96	17.24	-6.35	
33	61		1/2 ⁻	1.60	1.51	534.63	7.61	19.02				...	β -stable	10.08	18.57	-6.60	
34	62			1.66	1.51	544.96	10.33	17.94				...	β -stable	11.03	19.53	-6.89	
35	63		1/2 ⁻	1.66	1.51	551.85	6.89	17.22	100.00	0.00	0.00	...	β -stable	11.38	20.68	-7.49	
36	64			1.66	1.52	561.63	9.77	16.67				...	β -stable	12.45	22.13	-7.91	
37	65		3/2 ⁻	1.66	1.52	567.96	6.33	16.11	100.00	0.00	0.00	1.28	> 100	13.03	23.78	-8.49	
38	66			1.67	1.52	577.07	9.11	15.45	100.00	0.00	0.00	...	β -stable	13.94	24.86	-9.28	
39	67		1/2 ⁻	1.67	1.52	582.99	5.92	15.03	100.00	0.00	0.00	2.83	4.6054	14.48	26.29	-10.52	
40	68			1.67	1.51	591.26	8.26	14.19	100.00	0.00	0.00	0.93	> 100	15.36	27.37	-10.75	
41	69		9/2 ⁺	1.66	1.51	595.43	4.17	12.43	100.00	0.00	0.00	5.32	> 100	15.11	28.46	-10.43	
42	70			1.66	1.50	603.55	8.13	12.30	100.00	0.00	0.00	2.80	> 100	16.31	29.68	-11.37	
43	71		3/2 ⁺	1.65	1.50	607.48	3.93	12.06	100.00	0.00	0.00	6.90	19.4426	16.24	30.67	-12.22	
44	72			1.64	1.45	614.42	6.94	10.87	100.00	0.00	0.00	5.19	7.4778	16.98	31.52	-12.26	
45	73		5/2 ⁺	1.64	1.40	618.40	3.97	10.91	99.70	0.30	0.00	8.65	2.9045	17.16	32.59	-13.29	
46	74			1.63	1.33	624.89	6.49	10.47	95.47	4.53	0.00	6.97	1.9933	17.98	33.53	-13.69	
47	75		7/2 ⁺	1.62	1.25	628.58	3.69	10.18	91.57	8.43	0.00	10.12	1.0404	18.40	34.97	-14.47	
48	76			1.62	1.15	634.64	6.06	9.74	77.96	22.04	0.00	8.40	0.9562	19.24	36.09	-14.98	
49	77		9/2 ⁺	1.62	1.10	637.72	3.08	9.14	72.13	27.87	0.00	11.55	0.4649	19.35	37.12	-15.82	
50	78			1.62	1.20	643.70	5.98	9.06	50.70	49.30	0.00	9.48	0.4771	20.85	38.63	-16.86	
51	79		1/2 ⁺	1.60	1.26	644.22	0.52	6.50	5.96	58.33	35.71	14.46	0.1563	20.42	39.10	-15.32	
52	80			1.60	1.22	647.92	3.70	4.22	0.00	55.69	44.29	12.70	0.1824	21.73	40.55	-14.56	
53	81		3/2 ⁺	1.59	1.24	648.09	0.17	3.87	0.00	12.59	70.16	15.92	0.0868	21.46	40.88	-14.67	
54	82			1.58	1.25	651.11	3.02	3.19	0.00	22.58	25.44	14.13	0.0868	22.63	42.29	-15.44	
55	83		1/2 ⁺	1.57	1.23	650.53	-0.58	2.43	0.00	74.17	12.30	17.82	0.0070	22.14	42.57	-15.01	
56	84			1.57	1.18	652.88	2.35	1.77	0.00	43.60	23.58	16.33	0.0119	22.80	43.34	-15.76	
57	85		3/2 ⁺	1.63	1.20	652.48	-0.40	1.95	0.00	0.00	51.37	19.35	0.0064	23.10	44.06	-16.23	
58	86			1.70	1.15	653.88	1.40	1.01	0.11	27.35	11.87	18.31	0.0032	23.71	44.80	-16.05	
59	87		3/2 ⁻	1.73	1.12	653.50	-0.38	1.02	0.64	0.00	20.33	20.26	0.0032	23.59	45.54	-16.78	
60	88			1.73	1.08	655.56	2.06	1.67	0.00	11.43	11.24	18.56	0.0028	24.38	46.21	-18.18	
61	89		3/2 ⁺	1.73	1.10	655.02	-0.54	1.52	7.01	0.01	15.53	21.53	0.0019	24.46	47.19	-18.76	
62	90			1.72	1.06	656.60	1.58	1.04	0.00	11.43	10.88	20.11	0.0019	25.33	48.28	-18.95	
63	91		5/2 ⁻	1.73	1.07	655.76	-0.83	0.75	0.46	0.00	4.28	22.43	0.0018	25.42	48.97	-19.64	
64	92			1.72	1.05	657.08	1.31	0.48	0.00	...	...	21.10	0.0015	25.89	49.67	-20.47	
65	93		1/2 ⁺	1.72	1.05	655.65	-1.43	-0.12	...	...	...	23.90	0.0012	26.43	50.92	-20.56	
66	94			1.70	1.03	656.24	0.59	-0.84	0.00	...	...	22.36	0.0011	27.05	50.37	-20.54	
67	95		1/2 ⁺	1.69	1.01	654.74	-1.50	-0.91	0.00	0.00	...	24.47	0.0011	26.68		-21.72	
68	96			1.69	0.99	655.53	0.80	-0.70	0.00	0.00	0.00	22.77	0.0011	27.67		-21.37	
69	97		7/2 ⁻	1.68	0.97	653.92	-1.61	-0.82	0.00	0.00	...	25.21	0.0010	27.85			
70	98			1.68	0.94	654.21	0.29	-1.32	0.00	0.00	0.00	23.92	0.0009				
71	99		1/2 ⁻	1.68	0.94	652.42	-1.79	-1.50	0.00	0.00	...	26.22	0.0008				
Z = 29 (Cu)																	
19	48	3/2 ⁻	1/2 ⁺	1.49	2.07	319.77						27.39	0.0025	-5.49	-7.06	-7.96	
20	49	3/2 ⁻		1.48	2.18	343.13	23.36					21.85	0.0036	-4.81	-5.52	-7.46	
21	50	3/2 ⁻	7/2 ⁻	1.51	2.13	361.75	18.62	41.98				23.79	0.0045	-4.01	-4.29	-6.63	
22	51	3/2 ⁻		1.50	2.12	383.01	21.26	39.88				18.32	0.0128	-3.31	-2.58	-6.06	
23	52	1/2 ⁻	3/2 ⁻	1.58	2.03	399.81	16.80	38.06				20.78	0.0069	-2.31	-1.35	-5.47	
24	53	1/2 ⁻		1.57	1.98	419.38	19.57	36.37				16.12	0.0199	-1.99	0.18	-5.50	
25	54	1/2 ⁻	5/2 ⁻	1.58	1.87	435.13	15.75	35.33				18.43	0.0180	-1.15	1.47	-5.68	
26	55	1/2 ⁻		1.55	1.78	453.44	18.31	34.06				14.19	0.0405	-0.91	3.00	-5.94	
27	56	1/2 ⁻	7/2 ⁻	1.53	1.71	467.96	14.52	32.83				15.74	0.0580	-0.45	5.02	-6.00	
28	57	3/2 ⁻		1.55	1.72	485.12	17.15	31.68				9.14	0.2904	0.63	7.39	-6.39	
29	58	1/2 ⁻	1/2 ⁻	1.51	1.60	496.33	11.21	28.36				9.96	0.9435	1.29	8.90	-5.09	
30	59	1/2 ⁻		1.50	1.52	509.67	13.35	24.55				5.15	21.4484	2.60	10.93	-3.65	

<i>N</i>	<i>A</i>	Ω_{π}^{π}	Ω_{π}^{π}	$\Delta_{\text{LN}_{\pi}}$ (MeV)	$\Delta_{\text{LN}_{\pi}}$ (MeV)	E_{bind} (MeV)	$S_{1\pi}$ (MeV)	$S_{2\pi}$ (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_{β} (MeV)	T_{β} (s)	$S_{1\pi}$ (MeV)	$S_{2\pi}$ (MeV)	Q_{α} (MeV)	T_{α} (s)
Z = 29 (Cu)																	
31	60	1/2 ⁻	1/2 ⁻	1.50	1.51	519.23	9.56	22.90				7.01	14.6415	3.62	12.31	-3.50	
32	61	1/2 ⁻		1.50	1.50	530.88	11.65	21.21				2.96	> 100	3.86	13.83	-3.84	
33	62	1/2 ⁻	3/2 ⁻	1.52	1.50	539.68	8.80	20.46				4.49	> 100	5.05	15.13	-4.47	
34	63	1/2 ⁻		1.51	1.50	550.43	10.75	19.55				0.64		5.47	16.50	-5.08	
35	64	1/2 ⁻	3/2 ⁻	1.53	1.51	558.31	7.87	18.62	100.00	0.00	0.00	±	±	6.45	17.83	-5.46	
36	65	3/2 ⁻		1.56	1.50	568.46	10.15	18.02				...	β-stable	6.83	19.28	-6.23	
37	66	3/2 ⁻	3/2 ⁻	1.56	1.50	575.59	7.13	17.28	100.00	0.00	0.00	±	±	7.63	20.66	-6.82	
38	67	3/2 ⁻		1.55	1.51	585.04	9.45	16.58	100.00	0.00	0.00	0.77	> 100	7.97	21.91	-7.57	
39	68	1/2 ⁻	1/2 ⁻	1.53	1.52	591.40	6.36	15.81	100.00	0.00	0.00	4.71	4.6477	8.41	22.89	-8.17	
40	69	1/2 ⁻		1.53	1.51	599.96	8.56	14.92	100.00	0.00	0.00	2.64	60.3279	8.70	24.07	-8.54	
41	70	1/2 ⁻	1/2 ⁺	1.53	1.50	605.57	5.61	14.17	100.00	0.00	0.00	6.66	30.8426	10.14	25.26	-8.76	
42	71	1/2 ⁻		1.53	1.50	613.60	8.03	13.64	100.00	0.00	0.00	4.34	12.3490	10.04	26.35	-9.41	
43	72	1/2 ⁻	3/2 ⁺	1.54	1.48	618.83	5.23	13.26	100.00	0.00	0.00	8.16	6.6487	11.35	27.58	-10.22	
44	73	1/2 ⁻		1.54	1.45	626.26	7.43	12.66	100.00	0.00	0.00	6.14	3.8792	11.84	28.82	-10.72	
45	74	1/2 ⁻	5/2 ⁺	1.55	1.38	631.09	4.82	12.26	99.79	0.21	0.00	10.07	1.6565	12.69	29.85	-11.54	
46	75	1/2 ⁻		1.54	1.32	637.91	6.83	11.65	96.34	3.66	0.00	8.18	1.3806	13.02	31.00	-12.17	
47	76	1/2 ⁻	7/2 ⁺	1.54	1.23	642.25	4.34	11.17	93.82	6.18	0.00	11.62	0.8295	13.68	32.08	-12.73	
48	77	1/2 ⁻		1.52	1.15	648.49	6.23	10.58	73.33	26.67	0.00	9.76	0.8328	13.85	33.09	-13.28	
49	78	1/2 ⁻	9/2 ⁺	1.51	1.12	652.40	3.91	10.15	72.03	27.79	0.18	12.99	0.4797	14.68	34.03	-13.93	
50	79	1/2 ⁻		1.50	1.21	657.90	5.50	9.41	56.78	43.22	0.00	11.32	0.4303	14.20	35.05	-14.21	
51	80	1/2 ⁻	1/2 ⁺	1.51	1.24	659.84	1.93	7.44	39.64	40.55	19.82	15.81	0.1333	15.61	36.03	-13.17	
52	81	1/2 ⁻		1.52	1.20	663.23	3.40	5.33	0.00	70.93	28.77	14.56	0.1023	15.31	37.04	-12.09	
53	82	1/2 ⁻	3/2 ⁺	1.53	1.21	664.46	1.22	4.62	0.00	28.05	63.57	17.50	0.0468	16.36	37.83	-12.36	
54	83	1/2 ⁻		1.53	1.18	667.57	3.11	4.33	0.09	34.72	41.50	15.93	0.0391	16.46	39.09	-13.08	
55	84	1/2 ⁻	3/2 ⁺	1.54	1.18	668.42	0.85	3.96	0.06	4.57	77.81	19.07	0.0164	17.90	40.04	-13.49	
56	85	1/2 ⁻		1.54	1.19	671.05	2.63	3.48	0.14	1.99	67.71	17.60	0.0134	18.17	40.97	-14.27	
57	86	7/2 ⁻	1/2 ⁻	1.62	1.20	671.41	0.36	2.99	0.00	0.61	70.97	20.76	0.0050	18.93	42.03	-14.73	
58	87	7/2 ⁻		1.65	1.17	672.97	1.56	1.92	0.00	0.00	52.20	19.55	0.0033	19.09	42.81	-14.60	
59	88	7/2 ⁻	3/2 ⁻	1.65	1.14	673.33	0.36	1.92	0.00	0.00	1.70	21.84	0.0035	19.84	43.43	-15.66	
60	89	7/2 ⁻		1.68	1.09	675.77	2.43	2.79	0.00	0.00	0.00	19.65	0.0034	20.21	44.59	-17.30	
61	90	7/2 ⁻	3/2 ⁺	1.68	1.11	675.92	0.16	2.59	0.00	0.00	7.05	22.56	0.0024	20.91	45.37	-17.72	
62	91	7/2 ⁻		1.68	1.10	677.41	1.49	1.64	0.00	0.00	0.00	21.10	0.0024	20.81	46.14	-17.94	
63	92	7/2 ⁻	5/2 ⁻	1.69	1.08	677.39	-0.02	1.47	0.00	0.00	0.42	23.38	0.0024	21.63	47.06	-18.54	
64	93	7/2 ⁻		1.69	1.06	678.76	1.37	1.35	0.00	0.00	0.00	22.30	0.0019	21.69	47.58	-19.20	
65	94	7/2 ⁻	5/2 ⁺	1.68	1.06	677.82	-0.95	0.42	0.00	0.01	0.80	25.34	0.0012	22.17	48.60	-19.18	
66	95	7/2 ⁻		1.67	1.05	678.43	0.61	-0.34	0.00	...	...	24.01	0.0012	22.19	49.24	-18.95	
67	96	7/2 ⁻	1/2 ⁺	1.66	1.04	677.52	-0.91	-0.30	...	...	...	26.17	0.0011	22.78	49.46	-20.00	
68	97	7/2 ⁻		1.66	1.01	678.35	0.83	-0.08	0.00	0.00	0.00	24.56	0.0010	22.81	50.49	-20.86	
69	98	7/2 ⁻	7/2 ⁻	1.66	1.00	677.35	-1.00	-0.17	...	...	...	27.12	0.0009	23.42	51.28	-21.00	
70	99	7/2 ⁻		1.66	0.96	677.86	0.52	-0.49	0.00	...	...	26.03	0.0008	23.65		-21.71	
71	100	7/2 ⁻	5/2 ⁺	1.64	0.97	676.11	-1.76	-1.24	...	...	...	28.96	0.0006	23.68		-21.74	
72	101	7/2 ⁻		1.62	0.97	675.81	-0.29	-2.05	0.00	0.00	0.00	27.30	0.0006				
73	102	7/2 ⁻	1/2 ⁺	1.63	0.98	674.19	-1.63	-1.92	0.00	0.00	0.00	29.24	0.0007				
Z = 30 (Zn)																	
21	51		7/2 ⁻	1.45	2.14	359.13						23.09	0.0031	-2.62	-6.63	-5.59	
22	52			1.57	2.13	381.06	21.93					17.96	0.0081	-1.95	-5.26	-4.83	
23	53		3/2 ⁻	1.54	1.99	398.14	17.07	39.00				20.46	0.0036	-1.67	-3.98	-4.08	
24	54			1.53	1.96	419.09	20.95	38.03				15.26	0.0226	-0.29	-2.28	-4.47	
25	55		5/2 ⁻	1.49	1.87	435.07	15.98	36.94				17.58	0.0123	-0.06	-1.21	-4.66	
26	56			1.54	1.81	454.48	19.40	35.39				12.70	0.0830	1.04	0.13	-4.81	
27	57		7/2 ⁻	1.49	1.72	469.48	15.01	34.41				14.85	0.0387	1.52	1.07	-4.91	
28	58			1.52	1.72	487.14	17.66	32.67				8.40	0.5971	2.02	2.65	-4.50	
29	59		1/2 ⁻	1.48	1.61	499.54	12.40	30.06				9.35	0.6594	3.22	4.50	-2.84	
30	60			1.45	1.57	514.41	14.87	27.27				4.03	> 100	4.74	7.34	-1.62	
31	61		1/2 ⁻	1.44	1.55	524.41	10.00	24.87				5.69	10.8996	5.19	8.81	-1.08	
32	62			1.42	1.52	537.28	12.87	22.87				1.62	> 100	6.40	10.26	-1.92	
33	63		3/2 ⁻	1.48	1.52	546.29	9.01	21.88				3.36	> 100	6.61	11.66	-2.39	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 30$ (Zn)																	
34	64			1.50	1.52	558.17	11.88	20.89				...	β -stable	7.74	13.21	-2.86	
35	65		9/2 ⁺	1.49	1.53	566.49	8.32	20.20				1.18	> 100	8.19	14.64	-3.57	
36	66			1.50	1.51	577.58	11.09	19.41				...	β -stable	9.12	15.95	-4.32	
37	67		3/2 ⁻	1.49	1.50	585.03	7.45	18.53				...	β -stable	9.44	17.07	-4.88	
38	68			1.48	1.50	595.33	10.30	17.75				...	β -stable	10.29	18.26	-5.41	
39	69		9/2 ⁺	1.49	1.51	601.82	6.49	16.79	100.00	0.00	0.00	0.38	> 100	10.42	18.83	-5.57	
40	70			1.46	1.50	611.45	9.63	16.12				...	β -stable	11.49	20.19	-6.08	
41	71		1/2 ⁺	1.46	1.50	617.15	5.70	15.33	100.00	0.00	0.00	2.39	> 100	11.58	21.72	-5.86	
42	72			1.46	1.50	626.21	9.06	14.76	100.00	0.00	0.00	0.09	> 100	12.61	22.66	-6.66	
43	73		3/2 ⁺	1.46	1.50	631.62	5.41	14.47	100.00	0.00	0.00	3.83	> 100	12.79	24.14	-7.90	
44	74			1.48	1.42	640.37	8.75	14.16	100.00	0.00	0.00	1.78	> 100	14.11	25.95	-8.52	
45	75		5/2 ⁺	1.51	1.37	645.31	4.94	13.69	100.00	0.00	0.00	5.41	22.3507	14.23	26.92	-9.53	
46	76			1.49	1.31	653.09	7.78	12.72	100.00	0.00	0.00	3.48	42.7694	15.18	28.20	-10.37	
47	77		7/2 ⁺	1.50	1.24	657.47	4.38	12.15	100.00	0.00	0.00	7.04	12.6201	15.21	28.89	-10.78	
48	78			1.43	1.17	664.60	7.14	11.52	100.00	0.00	0.00	5.25	26.8092	16.12	29.97	-11.42	
49	79		9/2 ⁺	1.42	1.14	668.45	3.84	10.98	99.16	0.84	0.00	8.68	5.2226	16.05	30.72	-11.57	
50	80			1.41	1.27	674.86	6.42	10.26	86.17	13.83	0.00	7.12	3.0680	16.96	31.16	-11.93	
51	81		1/2 ⁺	1.42	1.24	677.01	2.15	8.57	82.33	17.67	0.00	11.20	0.7033	17.17	32.79	-11.00	
52	82			1.50	1.14	681.17	4.16	6.31	58.93	41.07	0.00	10.28	0.2224	17.94	33.25	-9.18	
53	83		1/2 ⁺	1.51	1.20	682.71	1.54	5.70	87.93	8.97	3.11	12.90	0.0225	18.25	34.62	-10.19	
54	84			1.52	1.18	686.70	3.99	5.53	61.17	35.01	3.81	11.37	0.0688	19.14	35.60	-10.48	
55	85		3/2 ⁺	1.54	1.17	687.86	1.16	5.15	59.68	32.27	7.36	14.32	0.0232	19.44	37.34	-11.47	
56	86			1.56	1.18	691.39	3.53	4.69	44.11	48.25	6.42	12.66	0.0220	20.34	38.52	-11.99	
57	87		1/2 ⁻	1.58	1.22	691.74	0.34	3.87	20.11	39.77	34.99	15.95	0.0146	20.33	39.26	-12.91	
58	88			1.60	1.18	694.39	2.65	3.00	16.83	67.99	7.13	14.71	0.0091	21.41	40.51	-13.22	
59	89		3/2 ⁻	1.62	1.15	694.63	0.24	2.89	2.63	33.49	49.96	17.51	0.0083	21.29	41.13	-13.85	
60	90			1.62	1.12	697.70	3.07	3.31	2.99	62.03	17.74	15.43	0.0081	21.93	42.14	-15.52	
61	91		3/2 ⁺	1.62	1.14	697.73	0.03	3.10	26.49	19.10	34.81	18.64	0.0043	21.81	42.71	-15.94	
62	92			1.62	1.14	699.99	2.26	2.30	1.12	62.19	7.67	17.31	0.0042	22.59	43.40	-16.14	
63	93		5/2 ⁻	1.64	1.11	700.28	0.29	2.55	0.65	0.91	58.89	19.62	0.0043	22.89	44.52	-16.97	
64	94			1.64	1.09	702.37	2.09	2.38	0.31	32.87	6.83	18.10	0.0036	23.61	45.30	-17.48	
65	95		5/2 ⁺	1.64	1.08	701.65	-0.72	1.37	1.14	0.00	31.18	20.72	0.0024	23.84	46.01	-17.60	
66	96			1.62	1.09	702.90	1.25	0.53	0.00	...	...	19.32	0.0024	24.48	46.66	-17.53	
67	97		1/2 ⁺	1.62	1.06	702.13	-0.77	0.47	...	...	...	21.79	0.0020	24.61	47.39	-18.19	
68	98			1.63	1.03	703.68	1.55	0.78	0.00	...	...	20.25	0.0018	25.33	48.15	-19.15	
69	99		7/2 ⁻	1.65	0.99	703.11	-0.57	0.99	0.01	0.00	0.21	22.43	0.0018	25.77	49.19	-20.08	
70	100			1.66	0.96	704.29	1.17	0.61	0.00	...	...	21.23	0.0015	26.42	50.07	-20.45	
71	101		7/2 ⁻	1.61	0.99	702.33	-1.96	-0.78	...	...	...	24.50	0.0011	26.22	49.91	-20.11	
72	102			1.58	0.99	702.64	0.31	-1.64	0.00	...	...	23.28	0.0009	26.83		-20.14	
73	103		1/2 ⁺	1.58	0.99	701.09	-1.56	-1.24	0.00	0.00	...	25.29	0.0010	26.90		-20.37	
74	104			1.52	0.99	701.41	0.32	-1.24	0.00	0.00	0.00	23.98	0.0008				
75	105		1/2 ⁺	1.48	0.97	699.66	-1.75	-1.42	0.00	0.00	0.00	26.19	0.0007				
$Z = 31$ (Ga)																	
22	53	1/2 ⁻		1.56	2.14	375.64						21.72	0.0052	-5.43	-7.37	-4.21	
23	54	1/2 ⁻	3/2 ⁻	1.57	1.99	393.96	18.32					24.35	0.0021	-4.18	-5.85	-3.91	
24	55	1/2 ⁻		1.58	1.95	414.99	21.03	39.36				19.30	0.0071	-4.10	-4.39	-3.69	
25	56	1/2 ⁻	5/2 ⁻	1.58	1.88	432.14	17.15	38.18				21.55	0.0059	-2.93	-2.99	-4.04	
26	57	1/2 ⁻		1.57	1.82	451.55	19.41	36.56				17.15	0.0123	-2.93	-1.89	-3.87	
27	58	1/2 ⁻	7/2 ⁻	1.53	1.73	467.71	16.16	35.57				18.65	0.0152	-1.77	-0.25	-4.29	
28	59	1/2 ⁻		1.55	1.72	485.73	18.02	34.19				13.03	0.0418	-1.41	0.62	-4.00	
29	60	1/2 ⁻	1/2 ⁻	1.51	1.61	499.06	13.32	31.34				14.57	0.0592	-0.49	2.73	-2.80	
30	61	1/2 ⁻		1.52	1.60	514.32	15.27	28.59				9.31	0.3040	-0.09	4.65	-0.91	
31	62	1/2 ⁻	1/2 ⁻	1.50	1.56	526.00	11.68	26.95				10.50	0.5798	1.59	6.78	-1.38	
32	63	1/2 ⁻		1.49	1.53	539.66	13.66	25.34				5.85	7.7543	2.38	8.78	-1.70	
33	64	1/2 ⁻	3/2 ⁻	1.48	1.52	549.96	10.30	23.96				7.43	19.7913	3.67	10.28	-2.44	
34	65	1/2 ⁻		1.48	1.52	562.12	12.16	22.46				3.59	> 100	3.95	11.69	-2.95	
35	66	3/2 ⁻	9/2 ⁺	1.45	1.53	571.42	9.29	21.45				5.38	> 100	4.92	13.11	-3.44	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 31 (Ga)																	
36	67	1/2 ⁻		1.50	1.53	582.45	11.03	20.33				1.79	> 100	4.87	13.99	-3.72	
37	68	5/2 ⁻	9/2 ⁺	1.47	1.51	590.98	8.52	19.56				±	±	5.95	15.38	-4.37	
38	69	5/2 ⁻		1.48	1.51	601.42	10.45	18.97				...	β-stable	6.09	16.38	-4.67	
39	70	5/2 ⁻	9/2 ⁺	1.48	1.50	609.09	7.67	18.12	100.00	0.00	0.00	±	±	7.27	17.69	-5.21	
40	71	3/2 ⁻		1.49	1.50	618.76	9.66	17.34				0.01		7.31	18.80	-5.42	
41	72	3/2 ⁻	7/2 ⁺	1.50	1.49	625.52	6.77	16.43	100.00	0.00	0.00	3.87	> 100	8.37	19.95	-5.83	
42	73	1/2 ⁻		1.47	1.50	634.67	9.14	15.91	100.00	0.00	0.00	1.79	> 100	8.46	21.07	-6.41	
43	74	1/2 ⁻	3/2 ⁺	1.46	1.48	641.37	6.70	15.85	100.00	0.00	0.00	5.00	> 100	9.75	22.54	-7.51	
44	75	1/2 ⁻		1.47	1.43	649.95	8.57	15.28	100.00	0.00	0.00	2.87	33.3973	9.57	23.68	-8.05	
45	76	1/2 ⁻	5/2 ⁺	1.48	1.37	655.78	5.84	14.41	100.00	0.00	0.00	6.98	16.6687	10.47	24.70	-8.66	
46	77	1/2 ⁻		1.48	1.32	663.73	7.94	13.78	100.00	0.00	0.00	5.05	5.6856	10.64	25.82	-9.17	
47	78	1/2 ⁻	7/2 ⁺	1.47	1.27	669.07	5.34	13.29	100.00	0.00	0.00	8.60	3.4253	11.60	26.82	-9.69	
48	79	1/2 ⁻		1.45	1.22	676.34	7.27	12.62	99.93	0.07	0.00	6.83	3.2435	11.74	27.85	-10.14	
49	80	1/2 ⁻	9/2 ⁺	1.42	1.19	681.20	4.85	12.12	99.77	0.23	0.00	10.09	1.8664	12.75	28.80	-10.65	
50	81	1/2 ⁻		1.42	1.29	687.43	6.23	11.09	98.00	2.00	0.00	8.58	1.5680	12.57	29.53	-10.65	
51	82	1/2 ⁻	1/2 ⁺	1.42	1.23	690.67	3.24	9.48	86.14	13.86	0.00	12.42	0.5901	13.66	30.84	-9.98	
52	83	1/2 ⁻		1.46	1.14	694.83	4.15	7.40	35.43	64.56	0.00	11.62	0.2392	13.65	31.59	-8.63	
53	84	1/2 ⁻	1/2 ⁺	1.46	1.19	697.29	2.46	6.62	85.07	12.59	2.34	14.52	0.0273	14.58	32.83	-9.16	
54	85	1/2 ⁻		1.47	1.18	701.40	4.11	6.57	0.04	93.77	6.11	12.89	0.0880	14.69	33.83	-9.86	
55	86	1/2 ⁻	3/2 ⁺	1.50	1.18	703.27	1.87	5.98	25.87	60.55	13.27	15.95	0.0262	15.41	34.85	-10.51	
56	87	3/2 ⁻		1.51	1.16	706.90	3.63	5.51	0.10	90.82	7.38	14.37	0.0280	15.51	35.85	-11.04	
57	88	3/2 ⁻	3/2 ⁺	1.53	1.22	708.32	1.41	5.05	24.85	24.89	47.85	17.36	0.0114	16.58	36.91	-11.60	
58	89	3/2 ⁻		1.54	1.21	711.36	3.04	4.45	0.24	71.84	18.93	15.94	0.0141	16.97	38.38	-12.01	
59	90	1/2 ⁺	3/2 ⁻	1.57	1.13	712.35	0.99	4.03	22.85	24.08	44.40	18.90	0.0075	17.72	39.01	-12.64	
60	91	1/2 ⁺		1.59	1.08	715.59	3.24	4.23	23.94	38.54	14.98	16.84	0.0073	17.89	39.82	-14.32	
61	92	7/2 ⁻	3/2 ⁺	1.63	1.11	716.52	0.93	4.17	7.19	0.00	72.08	19.62	0.0060	18.79	40.60	-14.89	
62	93	1/2 ⁺		1.63	1.09	719.11	2.59	3.53	5.39	47.53	5.63	18.31	0.0052	19.12	41.71	-15.05	
63	94	1/2 ⁺	5/2 ⁻	1.64	1.08	719.69	0.58	3.17	1.00	20.07	35.32	20.98	0.0044	19.41	42.30	-15.47	
64	95	1/2 ⁺		1.62	1.08	721.59	1.90	2.48	1.83	20.18	13.73	19.65	0.0035	19.22	42.83	-15.89	
65	96	3/2 ⁻	5/2 ⁺	1.61	1.10	721.44	-0.15	1.75	0.41	0.09	14.21	22.55	0.0026	19.79	43.62	-15.75	
66	97	3/2 ⁻		1.60	1.09	723.14	1.70	1.54	0.17	0.51	1.21	21.03	0.0027	20.24	44.71	-16.08	
67	98	3/2 ⁻	5/2 ⁻	1.60	1.07	723.15	0.01	1.71	0.29	0.36	0.18	23.59	0.0023	21.02	45.63	-17.04	
68	99	3/2 ⁻		1.59	1.05	724.76	1.61	1.62	0.14	0.51	0.00	22.20	0.0018	21.08	46.41	-18.04	
69	100	3/2 ⁻	7/2 ⁻	1.61	1.02	724.73	-0.03	1.58	0.12	0.00	0.60	24.64	0.0017	21.62	47.38	-18.92	
70	101	3/2 ⁻		1.63	0.98	726.05	1.32	1.29	0.00	0.83	0.00	23.39	0.0014	21.76	48.19	-19.41	
71	102	3/2 ⁻	5/2 ⁺	1.59	0.99	725.14	-0.91	0.41	0.00	0.00	0.83	26.17	0.0011	22.81	49.03	-19.50	
72	103	3/2 ⁻		1.55	1.00	725.59	0.45	-0.46	0.00	...	...	24.90	0.0010	22.95	49.78	-19.43	
73	104	3/2 ⁻	1/2 ⁺	1.54	0.99	724.60	-0.99	-0.54	...	...	...	27.03	0.0010	23.51	50.41	-20.20	
74	105	3/2 ⁻		1.54	0.98	725.07	0.46	-0.53	0.00	0.00	0.00	25.77	0.0009	23.66		-20.95	
75	106	3/2 ⁻	1/2 ⁺	1.47	0.98	724.03	-1.03	-0.57	...	...	...	27.89	0.0008	24.37		-21.55	
76	107	3/2 ⁻		1.43	0.93	725.13	1.10	0.07	0.00	0.00	0.00	25.73	0.0008				
77	108	3/2 ⁻	3/2 ⁻	1.43	0.89	724.10	-1.03	0.07	0.00	0.00	...	27.59	0.0008				
Z = 32 (Ge)																	
23	55		3/2 ⁻	1.54	1.98	391.42						22.79	0.0020	-2.54	-6.72	-3.99	
24	56			1.55	1.95	413.61	22.19					17.75	0.0096	-1.38	-5.48	-4.25	
25	57		5/2 ⁻	1.55	1.88	431.01	17.40	39.59				19.76	0.0055	-1.13	-4.06	-4.58	
26	58			1.54	1.82	451.48	20.47	37.87				15.46	0.0193	-0.07	-3.00	-4.09	
27	59		7/2 ⁻	1.52	1.74	467.77	16.29	36.76				17.18	0.0148	0.05	-1.72	-4.40	
28	60			1.57	1.71	486.62	18.85	35.15				11.65	0.0820	0.89	-0.52	-3.85	
29	61		1/2 ⁻	1.50	1.61	500.54	13.91	32.77				13.01	0.0618	1.48	0.99	-2.76	
30	62			1.50	1.60	516.75	16.22	30.13				8.47	0.8684	2.43	2.34	-1.31	
31	63		1/2 ⁻	1.48	1.55	529.32	12.57	28.78				9.56	0.3476	3.32	4.91	-1.48	
32	64			1.46	1.52	544.57	15.25	27.82				4.61	80.8837	4.91	7.29	-1.86	
33	65		3/2 ⁻	1.46	1.52	555.18	10.61	25.86				6.16	8.9227	5.22	8.89	-2.47	
34	66			1.45	1.53	568.46	13.27	23.89				2.18	> 100	6.33	10.28	-2.88	
35	67		9/2 ⁺	1.43	1.55	577.87	9.41	22.69				3.80	> 100	6.45	11.38	-3.28	
36	68			1.46	1.53	590.30	12.43	21.84				...	β-stable	7.85	12.72	-3.83	

<i>N</i>	<i>A</i>	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 32 (Ge)																	
37	69		1/2 ⁻	1.47	1.53	598.72	8.42	20.85				1.92	> 100	7.75	13.69	-3.93	
38	70			1.47	1.52	610.13	11.41	19.83				...	β -stable	8.71	14.80	-4.26	
39	71		9/2 ⁺	1.49	1.51	617.98	7.86	19.26				...	β -stable	8.89	16.16	-4.66	
40	72			1.49	1.50	628.61	10.63	18.49				...	β -stable	9.86	17.17	-4.99	
41	73		7/2 ⁺	1.49	1.49	635.68	7.06	17.69				...	β -stable	10.15	18.53	-5.56	
42	74			1.50	1.47	645.59	9.91	16.97				...	β -stable	10.92	19.38	-5.84	
43	75		3/2 ⁺	1.47	1.52	652.03	6.45	16.36	100.00	0.00	0.00	1.51	> 100	10.66	20.41	-6.59	
44	76			1.46	1.46	661.98	9.95	16.40				...	β -stable	12.04	21.61	-7.48	
45	77		5/2 ⁺	1.46	1.41	667.99	6.01	15.96	100.00	0.00	0.00	2.83	> 100	12.21	22.68	-8.08	
46	78			1.46	1.35	676.89	8.90	14.90	100.00	0.00	0.00	0.87	> 100	13.16	23.80	-8.22	
47	79		7/2 ⁺	1.45	1.29	682.39	5.50	14.40	100.00	0.00	0.00	4.48	> 100	13.32	24.92	-8.78	
48	80			1.44	1.26	690.50	8.11	13.61	100.00	0.00	0.00	2.80	> 100	14.16	25.89	-9.11	
49	81		9/2 ⁺	1.43	1.29	695.22	4.72	12.83	100.00	0.00	0.00	6.22	58.1846	14.03	26.78	-9.46	
50	82			1.43	1.35	702.31	7.09	11.81	100.00	0.00	0.00	5.03	> 100	14.88	27.45	-9.41	
51	83		1/2 ⁺	1.42	1.25	705.66	3.36	10.44	99.91	0.09	0.00	8.80	2.1439	14.99	28.65	-8.92	
52	84			1.43	1.15	711.03	5.36	8.72	86.70	13.30	0.00	7.61	1.1399	16.20	29.85	-7.87	
53	85		1/2 ⁺	1.44	1.19	713.50	2.48	7.84	98.56	1.44	0.00	10.58	0.0409	16.21	30.79	-8.19	
54	86			1.44	1.18	718.43	4.93	7.41	92.99	7.01	0.00	8.87	0.1951	17.04	31.73	-8.96	
55	87		3/2 ⁺	1.47	1.18	720.49	2.06	6.99	95.80	3.46	0.74	11.81	0.0475	17.23	32.63	-9.48	
56	88			1.49	1.14	724.89	4.40	6.46	93.96	5.90	0.14	10.24	0.0488	17.99	33.50	-9.89	
57	89		3/2 ⁺	1.50	1.22	726.52	1.63	6.03	77.32	20.74	1.94	13.18	0.0188	18.20	34.78	-10.36	
58	90			1.51	1.21	730.46	3.94	5.57	49.46	49.00	1.52	11.69	0.0236	19.10	36.07	-10.77	
59	91		3/2	1.54	1.08	731.65	1.19	5.13	33.68	47.94	17.44	14.64	0.0298	19.30	37.02	-11.62	
60	92			1.56	1.06	735.36	3.71	4.90	34.79	58.09	5.90	12.94	0.0198	19.77	37.66	-12.68	
61	93		3/2 ⁺	1.57	1.12	736.64	1.28	4.99	57.82	14.97	25.25	15.43	0.0137	20.11	38.91	-13.71	
62	94			1.58	1.10	739.89	3.25	4.53	33.81	55.38	6.95	14.12	0.0143	20.78	39.90	-13.90	
63	95		5/2 ⁻	1.61	1.09	740.46	0.57	3.82	4.83	31.42	54.30	16.98	0.0107	20.77	40.18	-14.43	
64	96			1.61	1.08	743.21	2.75	3.32	5.55	62.79	21.23	15.56	0.0082	21.61	40.83	-14.92	
65	97		5/2 ⁺	1.61	1.09	743.38	0.18	2.92	13.45	24.94	49.05	18.23	0.0040	21.94	41.73	-14.81	
66	98			1.60	1.09	745.96	2.57	2.75	4.89	39.22	40.60	16.79	0.0041	22.82	43.06	-15.29	
67	99		5/2 ⁻	1.61	1.06	746.18	0.22	2.80	0.13	8.72	59.81	19.33	0.0036	23.03	44.05	-16.23	
68	100			1.60	1.04	748.59	2.41	2.63	2.44	34.67	32.90	17.97	0.0028	23.83	44.91	-17.39	
69	101		7/2 ⁻	1.62	1.01	748.65	0.07	2.47	0.00	2.67	21.51	20.17	0.0029	23.92	45.54	-18.23	
70	102			1.62	0.99	750.53	1.88	1.95	0.00	18.82	4.67	19.02	0.0023	24.48	46.25	-18.56	
71	103		5/2 ⁺	1.58	1.00	749.71	-0.82	1.06	1.57	0.00	10.12	21.96	0.0017	24.57	47.38	-18.31	
72	104			1.54	1.00	750.85	1.13	0.32	0.00	...	...	20.73	0.0014	25.25	48.20	-18.27	
73	105		9/2 ⁻	1.55	1.00	750.05	-0.80	0.34	...	...	...	22.85	0.0016	25.45	48.97	-19.42	
74	106			1.53	0.98	751.14	1.09	0.29	0.00	...	...	21.53	0.0013	26.08	49.74	-20.20	
75	107		1/2 ⁺	1.48	0.97	750.08	-1.06	0.03	...	...	...	23.79	0.0011	26.05	50.42	-20.70	
76	108			1.44	0.95	750.90	0.82	-0.24	0.00	...	...	22.68	0.0009	25.77		-21.20	
77	109		3/2 ⁻	1.43	0.89	750.44	-0.46	0.36	...	...	...	23.96	0.0010	26.34		-22.48	
78	110			1.42	0.85	750.99	0.55	0.09	0.00	...	...	23.23	0.0008				
79	111		1/2 ⁻	1.42	0.81	749.76	-1.23	-0.68	...	...	...	24.98	0.0008				
80	112			1.40	0.78	750.03	0.27	-0.96	0.00	0.00	0.00	24.15	0.0007				
Z = 33 (As)																	
24	57	3/2 ⁻		1.55	1.93	408.26						21.97	0.0028	-5.35	-6.73	-4.33	
25	58	3/2 ⁻	5/2 ⁻	1.56	1.87	426.85	18.59					23.84	0.0024	-4.16	-5.29	-4.59	
26	59	3/2 ⁻		1.56	1.83	447.53	20.68	39.27				19.45	0.0066	-3.94	-4.02	-4.24	
27	60	3/2 ⁻	7/2 ⁻	1.55	1.75	464.71	17.18	37.87				21.13	0.0083	-3.06	-3.00	-4.28	
28	61	1/2 ⁻		1.56	1.74	483.81	19.10	36.28				15.94	0.0166	-2.82	-1.92	-3.96	
29	62	3/2 ⁻	1/2 ⁻	1.53	1.62	498.66	14.85	33.94				17.31	0.0259	-1.88	-0.40	-2.65	
30	63	3/2 ⁻		1.52	1.59	515.40	16.74	31.59				13.14	0.0921	-1.36	1.07	-1.37	
31	64	3/2 ⁻	1/2 ⁻	1.51	1.56	529.10	13.70	30.44				14.69	0.0735	-0.22	3.09	-1.75	
32	65	3/2 ⁻		1.50	1.53	544.70	15.60	29.30				9.70	0.6303	0.13	5.03	-2.08	
33	66	3/2 ⁻	3/2 ⁻	1.50	1.54	556.87	12.17	27.77				10.81	1.8348	1.68	6.90	-2.57	
34	67	3/2 ⁻		1.49	1.55	570.92	14.06	26.23				6.16	12.3423	2.47	8.80	-2.96	
35	68	1/2 ⁻	9/2 ⁺	1.44	1.55	581.50	10.57	24.63				8.02	38.0267	3.63	10.08	-3.24	

N	A	Ω_p^π	Ω_n^π	Δ_{LNp} (MeV)	Δ_{LNn} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 33 (As)																	
36	69	1/2 ⁻		1.44	1.54	594.13	12.63	23.21				3.81	> 100	3.83	11.68	-3.71	
37	70	1/2 ⁻	1/2 ⁻	1.47	1.53	603.51	9.37	22.01				5.84	22.7699	4.78	12.53	-3.79	
38	71	1/2 ⁻		1.47	1.53	615.03	11.52	20.90				2.17	> 100	4.90	13.61	-4.28	
39	72	1/2 ⁻	3/2 ⁻	1.49	1.52	623.90	8.87	20.39				3.93	> 100	5.91	14.81	-4.63	
40	73	1/2 ⁻		1.49	1.51	634.62	10.72	19.59				0.28	> 100	6.01	15.86	-4.90	
41	74	1/2 ⁻	7/2 ⁺	1.49	1.49	642.71	8.09	18.81	100.00	0.00	0.00	±	±	7.03	17.18	-5.32	
42	75	1/2 ⁻		1.50	1.46	652.76	10.06	18.14				...	β-stable	7.18	18.09	-5.71	
43	76	1/2 ⁻	5/2 ⁺	1.50	1.42	660.12	7.35	17.41	100.00	0.00	0.00	±	±	8.08	18.75	-6.30	
44	77	3/2 ⁻		1.46	1.47	670.04	9.92	17.28	100.00	0.00	0.00	0.57	> 100	8.05	20.09	-7.07	
45	78	3/2 ⁻	5/2 ⁺	1.46	1.41	676.98	6.94	16.86	100.00	0.00	0.00	4.24	> 100	8.99	21.19	-7.31	
46	79	3/2 ⁻		1.46	1.37	686.08	9.10	16.05	100.00	0.00	0.00	2.24	> 100	9.19	22.36	-7.84	
47	80	3/2 ⁻	7/2 ⁺	1.46	1.32	692.52	6.44	15.54	100.00	0.00	0.00	5.82	> 100	10.13	23.45	-8.44	
48	81	3/2 ⁻		1.46	1.28	700.66	8.14	14.58	100.00	0.00	0.00	4.32	> 100	10.16	24.32	-8.64	
49	82	3/2 ⁻	9/2 ⁺	1.44	1.30	706.55	5.89	14.03	100.00	0.00	0.00	7.59	55.1270	11.33	25.36	-9.19	
50	83	1/2 ⁻		1.45	1.37	713.68	7.13	13.02	100.00	0.00	0.00	6.15	17.1357	11.37	26.25	-9.04	
51	84	3/2 ⁻	1/2 ⁺	1.43	1.24	717.85	4.17	11.29	99.90	0.10	0.00	10.01	4.8916	12.18	27.17	-8.36	
52	85	3/2 ⁻		1.43	1.19	723.30	5.45	9.62	72.03	27.97	0.00	8.73	3.4823	12.28	28.48	-7.58	
53	86	1/2 ⁻	3/2 ⁺	1.44	1.18	726.52	3.22	8.67	87.15	12.83	0.02	11.98	0.2347	13.02	29.23	-7.55	
54	87	1/2 ⁻		1.45	1.18	731.52	5.00	8.21	50.62	49.38	0.00	10.28	0.3500	13.09	30.12	-8.39	
55	88	1/2 ⁻	3/2 ⁺	1.47	1.14	734.35	2.84	7.83	70.48	29.01	0.51	13.28	0.0719	13.86	31.08	-8.77	
56	89	1/2 ⁻		1.48	1.15	738.91	4.56	7.40	0.07	99.60	0.33	11.76	0.0792	14.02	32.01	-9.22	
57	90	1/2 ⁻	3/2 ⁺	1.49	1.22	741.37	2.46	7.02	62.56	34.79	2.65	14.68	0.0270	14.85	33.06	-9.81	
58	91	1/2 ⁻		1.49	1.23	745.50	4.13	6.59	0.10	96.63	3.21	13.09	0.0397	15.04	34.14	-10.30	
59	92	1/2 ⁻	3/2 ⁻	1.51	1.08	747.51	2.01	6.14	0.90	56.22	42.40	16.06	0.0435	15.86	35.17	-10.90	
60	93	1/2 ⁻		1.53	1.07	751.28	3.77	5.78	0.43	82.99	14.77	14.48	0.0288	15.93	35.70	-11.63	
61	94	1/2 ⁻	3/2 ⁺	1.55	1.12	753.22	1.94	5.71	10.46	45.82	41.03	17.16	0.0185	16.59	36.70	-12.58	
62	95	3/2 ⁻		1.55	1.11	756.66	3.43	5.37	1.02	71.25	19.68	15.81	0.0204	16.76	37.54	-12.77	
63	96	3/2 ⁻	5/2 ⁻	1.57	1.10	757.98	1.33	4.76	2.27	2.57	84.73	18.61	0.0160	17.52	38.29	-13.16	
64	97	3/2 ⁻		1.58	1.09	760.83	2.85	4.18	1.13	38.79	32.32	17.22	0.0115	17.62	39.24	-13.42	
65	98	1/2 ⁻	5/2 ⁻	1.57	1.12	761.96	1.13	3.98	0.33	0.04	72.06	19.66	0.0079	18.58	40.52	-13.98	
66	99	1/2 ⁻		1.57	1.11	764.73	2.77	3.90	0.23	16.01	32.30	18.19	0.0054	18.77	41.59	-14.84	
67	100	1/2 ⁻	5/2 ⁻	1.58	1.08	765.77	1.04	3.81	0.24	0.01	47.46	20.91	0.0044	19.59	42.62	-16.03	
68	101	1/2 ⁻		1.57	1.05	768.04	2.27	3.31	0.25	6.85	17.98	19.78	0.0032	19.45	43.28	-16.60	
69	102	1/2 ⁻	7/2 ⁻	1.59	1.02	768.77	0.73	3.00	0.29	0.01	24.66	22.00	0.0033	20.11	44.04	-17.32	
70	103	1/2 ⁻		1.60	0.99	770.89	2.12	2.85	0.37	0.11	6.38	20.75	0.0027	20.36	44.84	-17.84	
71	104	1/2 ⁻	5/2 ⁺	1.56	1.00	770.79	-0.10	2.03	0.00	0.28	7.96	23.54	0.0020	21.08	45.65	-17.77	
72	105	1/2 ⁻		1.53	1.00	772.12	1.33	1.23	0.00	0.35	0.03	22.25	0.0018	21.27	46.53	-17.78	
73	106	1/2 ⁻	9/2 ⁻	1.53	0.99	771.89	-0.23	1.10	0.00	0.00	0.36	24.43	0.0018	21.84	47.29	-18.45	
74	107	1/2 ⁻		1.53	0.98	773.09	1.19	0.96	0.00	...	...	23.11	0.0015	21.94	48.02	-19.20	
75	108	1/2 ⁻	7/2 ⁺	1.50	0.96	772.81	-0.28	0.91	...	...	...	25.30	0.0011	22.73	48.77	-19.91	
76	109	1/2 ⁻		1.44	0.95	773.62	0.82	0.54	0.00	...	...	24.11	0.0010	22.72	48.49	-20.26	
77	110	1/2 ⁻	9/2 ⁻	1.42	0.91	773.44	-0.18	0.63	...	...	...	25.69	0.0011	23.00	49.34	-21.11	
78	111	1/2 ⁻		1.43	0.86	773.96	0.52	0.34	0.00	...	...	24.85	0.0009	22.97		-20.54	
79	112	1/2 ⁻	1/2 ⁻	1.42	0.84	773.40	-0.56	-0.04	...	...	...	27.08	0.0008	23.64		-21.01	
80	113	1/2 ⁻		1.41	0.80	773.91	0.50	-0.06	0.00	...	...	25.85	0.0008	23.87			
81	114	1/2 ⁻	11/2 ⁻	1.36	0.75	775.26	1.35	1.86	...	...	...	25.57	0.0012				
82	115	5/2 ⁻		1.36	0.92	775.76	0.51	1.86	0.59	...	...	26.31	0.0006				
Z = 34 (Se)																	
25	59		5/2 ⁻	1.54	1.87	424.53						22.22	0.0020	-2.32	-6.48	-4.82	
26	60			1.55	1.83	446.30	21.77					17.63	0.0072	-1.23	-5.18	-4.39	
27	61		7/2 ⁻	1.55	1.75	463.73	17.43	39.20				19.30	0.0070	-0.99	-4.04	-4.42	
28	62			1.51	1.75	483.59	19.86	37.29				14.28	0.0238	-0.22	-3.03	-3.82	
29	63		1/2 ⁻	1.54	1.62	498.83	15.24	35.10				15.78	0.0170	0.18	-1.70	-2.77	
30	64			1.53	1.59	516.62	17.78	33.03				11.70	0.0917	1.22	-0.13	-1.70	
31	65		1/2 ⁻	1.52	1.56	530.60	13.98	31.77				13.31	0.0427	1.50	1.28	-1.77	
32	66			1.51	1.55	547.28	16.68	30.67				8.80	0.6486	2.59	2.71	-2.24	
33	67		3/2 ⁻	1.50	1.55	560.23	12.94	29.63				9.91	0.3665	3.36	5.05	-2.61	

N	A	Ω_p^π	Ω_n^π	Δ_{LNp} (MeV)	Δ_{LNn} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 34 (Se)																	
34	68			1.50	1.56	575.81	15.58	28.52				4.91	42.3224	4.88	7.35	-2.94	
35	69		9/2 ⁺	1.41	1.56	586.65	10.85	26.43				6.70	3.8005	5.16	8.78	-3.18	
36	70			1.41	1.55	600.27	13.61	24.46				2.46	> 100	6.14	9.97	-3.52	
37	71		1/2 ⁻	1.42	1.53	609.86	9.59	23.21				4.39	87.2285	6.36	11.14	-3.69	
38	72			1.46	1.53	622.31	12.45	22.05				0.80	> 100	7.28	12.18	-3.72	
39	73		5/2 ⁺	1.54	1.45	631.17	8.86	21.31				2.66	> 100	7.28	13.19	-4.16	
40	74			1.49	1.51	643.00	11.82	20.68				...	β -stable	8.38	14.38	-4.57	
41	75		7/2 ⁺	1.50	1.49	651.25	8.25	20.08				0.73	> 100	8.54	15.57	-4.97	
42	76			1.50	1.47	662.32	11.06	19.32				...	β -stable	9.55	16.73	-5.41	
43	77		5/2 ⁺	1.50	1.43	669.83	7.51	18.57				...	β -stable	9.71	17.79	-5.85	
44	78			1.48	1.49	680.43	10.61	18.12				...	β -stable	10.39	18.45	-6.55	
45	79		5/2 ⁺	1.47	1.43	687.55	7.11	17.72	100.00	0.00	0.00	...	β -stable	10.57	19.55	-7.22	
46	80			1.47	1.37	697.56	10.01	17.13				...	β -stable	11.48	20.67	-7.28	
47	81		7/2 ⁺	1.47	1.32	704.19	6.63	16.65	100.00	0.00	0.00	1.65	> 100	11.67	21.80	-7.90	
48	82			1.47	1.28	713.36	9.16	15.80				0.05		12.70	22.86	-8.17	
49	83		9/2 ⁺	1.46	1.32	719.05	5.69	14.85	100.00	0.00	0.00	3.72	> 100	12.49	23.83	-8.36	
50	84			1.46	1.40	727.08	8.03	13.72	100.00	0.00	0.00	2.18	> 100	13.39	24.77	-8.28	
51	85		1/2 ⁺	1.44	1.26	731.25	4.18	12.20	100.00	0.00	0.00	6.44	18.6910	13.40	25.58	-7.73	
52	86			1.44	1.20	737.72	6.47	10.65	100.00	0.00	0.00	4.91	14.1108	14.42	26.70	-7.12	
53	87		3/2 ⁺	1.45	1.18	741.02	3.29	9.77	99.97	0.03	0.00	8.10	0.7023	14.50	27.51	-7.06	
54	88			1.46	1.17	746.85	5.84	9.13	99.83	0.17	0.00	6.45	0.6032	15.34	28.42	-7.53	
55	89		3/2 ⁺	1.48	1.15	749.90	3.04	8.88	99.54	0.46	0.00	9.09	0.1204	15.54	29.40	-8.10	
56	90			1.49	1.15	755.27	5.37	8.41	98.91	1.09	0.00	7.57	0.1408	16.35	30.37	-8.54	
57	91		3/2 ⁺	1.50	1.22	757.80	2.54	7.91	98.30	1.67	0.03	10.61	0.0367	16.43	31.28	-9.02	
58	92			1.51	1.23	762.79	4.99	7.53	97.66	2.33	0.00	9.00	0.0592	17.29	32.33	-9.60	
59	93		3/2 ⁻	1.48	1.10	764.98	2.19	7.18	65.60	32.24	2.16	11.88	0.1000	17.47	33.33	-10.16	
60	94			1.49	1.06	769.60	4.62	6.82	74.44	25.41	0.15	10.54	0.0538	18.32	34.25	-10.85	
61	95		3/2 ⁺	1.51	1.13	771.69	2.08	6.71	83.04	13.86	3.09	13.20	0.0310	18.46	35.05	-11.74	
62	96			1.52	1.11	775.81	4.12	6.21	73.36	24.98	1.65	11.95	0.0329	19.16	35.92	-12.16	
63	97		5/2 ⁻	1.54	1.11	777.27	1.46	5.58	36.14	52.01	11.59	14.77	0.0250	19.29	36.81	-12.34	
64	98			1.55	1.09	780.84	3.57	5.03	31.61	60.46	7.20	13.39	0.0177	20.01	37.63	-12.65	
65	99		5/2 ⁺	1.56	1.09	782.14	1.30	4.87	49.97	31.50	16.92	15.79	0.0077	20.17	38.75	-13.38	
66	100			1.56	1.11	785.90	3.76	5.06	24.59	68.97	3.05	14.02	0.0081	21.17	39.94	-14.40	
67	101		5/2 ⁻	1.56	1.08	787.03	1.14	4.90	18.57	50.30	26.63	16.56	0.0072	21.26	40.85	-15.36	
68	102			1.56	1.05	789.98	2.94	4.08	20.02	69.22	3.70	15.41	0.0047	21.94	41.39	-15.73	
69	103		7/2 ⁻	1.58	1.01	790.86	0.88	3.82	6.16	18.80	66.11	17.77	0.0046	22.09	42.20	-16.38	
70	104			1.59	0.98	793.55	2.70	3.57	7.25	76.52	5.86	16.46	0.0037	22.66	43.02	-16.67	
71	105		5/2 ⁺	1.56	1.00	793.59	0.04	2.73	5.91	6.23	74.20	19.15	0.0029	22.80	43.88	-16.64	
72	106			1.54	1.00	795.54	1.95	1.98	0.83	23.20	55.75	17.95	0.0024	23.41	44.69	-16.71	
73	107		9/2 ⁻	1.54	0.99	795.42	-0.12	1.83	0.01	0.00	23.60	20.12	0.0025	23.52	45.36	-17.41	
74	108			1.54	0.98	797.32	1.91	1.79	0.00	8.96	4.09	18.67	0.0021	24.24	46.18	-18.18	
75	109		7/2 ⁺	1.51	0.97	796.95	-0.38	1.53	4.06	0.00	6.55	20.82	0.0016	24.14	46.87	-18.60	
76	110			1.47	0.95	798.35	1.40	1.03	0.00	...	...	18.56	0.0022	24.73	47.45	-18.91	
77	111		9/2 ⁻	1.44	0.91	798.03	-0.32	1.08	...	...	...	20.34	0.0023	24.59	47.59	-19.65	
78	112			1.42	0.85	799.70	1.67	1.35	1.02	...	...	20.53	0.0012	25.73	48.71	-20.50	
79	113		1/2 ⁻	1.43	0.82	798.98	-0.72	0.95	0.14	0.05	2.23	22.74	0.0012	25.58	49.21	-20.24	
80	114			1.42	0.79	800.04	1.07	0.34	0.00	0.10	2.91	21.84	0.0010	26.14	50.01	-20.75	
81	115		11/2 ⁻	1.36	0.68	801.29	1.25	2.32	0.00	0.00	0.00	21.77	0.0016	26.04		-23.24	
82	116			1.36	0.94	802.23	0.94	2.19	0.35	0.00	0.00	22.90	0.0006	26.47		-23.90	
83	117		7/2 ⁻	1.36	0.88	800.18	-2.05	-1.12	3.64	0.04	0.29	26.05	0.0007				
84	118			1.36	0.81	799.39	-0.79	-2.84	0.00	0.00	...	25.27	0.0006				
Z = 35 (Br)																	
26	61	1/2 ⁺		1.56	1.82	441.01						21.93	0.0040	-5.29	-6.52	-4.46	
27	62	1/2 ⁺	1/2 ⁻	1.57	1.76	458.85	17.84					23.96	0.0028	-4.88	-5.86	-3.71	
28	63	9/2 ⁺		1.52	1.76	479.54	20.69	38.53				18.51	0.0098	-4.05	-4.27	-3.71	
29	64	9/2 ⁺	3/2 ⁻	1.51	1.66	495.79	16.25	36.94				20.05	0.0094	-3.05	-2.87	-2.78	
30	65	9/2 ⁺		1.50	1.61	513.97	18.18	34.43				15.85	0.0230	-2.65	-1.43	-1.86	

N	A	Ω_p^π	Ω_n^π	Δ_{LNp} (MeV)	Δ_{LNn} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 35 (Br)																	
31	66	9/2 ⁺	5/2 ⁻	1.47	1.58	528.91	14.94	33.13				17.59	0.0210	-1.69	-0.19	-1.96	
32	67	9/2 ⁺		1.46	1.57	545.88	16.97	31.91				13.57	0.0443	-1.41	1.18	-2.19	
33	68	9/2 ⁺	1/2 ⁻	1.45	1.56	559.90	14.02	30.99				15.12	0.0395	-0.33	3.04	-2.51	
34	69	9/2 ⁺		1.44	1.57	575.90	15.99	30.02				9.98	0.2021	0.09	4.97	-2.90	
35	70	9/2 ⁺	9/2 ⁺	1.43	1.56	588.20	12.30	28.30				11.29	0.1970	1.54	6.70	-3.03	
36	71	9/2 ⁺		1.43	1.56	602.48	14.28	26.58				6.60	2.3881	2.21	8.35	-3.26	
37	72	9/2 ⁺	7/2 ⁺	1.43	1.55	613.21	10.73	25.01				8.32	1.3294	3.35	9.70	-3.41	
38	73	9/2 ⁺		1.43	1.54	625.64	12.43	23.16				4.75	23.6567	3.33	10.61	-3.21	
39	74	3/2 ⁻	5/2 ⁺	1.46	1.45	635.81	10.17	22.60				6.41	> 100	4.63	11.91	-4.01	
40	75	9/2 ⁺		1.44	1.52	647.37	11.56	21.73				3.10	> 100	4.37	12.75	-4.04	
41	76	9/2 ⁺	7/2 ⁺	1.47	1.50	656.66	9.29	20.85				4.87	54.1983	5.41	13.95	-4.47	
42	77	9/2 ⁺		1.47	1.47	667.84	11.18	20.47				1.20	> 100	5.53	15.08	-4.93	
43	78	9/2 ⁺	5/2 ⁺	1.49	1.43	676.31	8.46	19.65	100.00	0.00	0.00	±	±	6.48	16.19	-5.31	
44	79	3/2 ⁻		1.52	1.56	686.46	10.15	18.61				0.31		6.03	16.42	-5.40	
45	80	3/2 ⁻	5/2 ⁺	1.50	1.50	694.81	8.35	18.50	100.00	0.00	0.00	±	±	7.26	17.83	-6.40	
46	81	3/2 ⁻		1.48	1.43	705.06	10.25	18.60				...	β-stable	7.50	18.97	-6.72	
47	82	3/2 ⁻	7/2 ⁺	1.47	1.36	712.62	7.57	17.82	100.00	0.00	0.00	2.72	> 100	8.43	20.10	-7.35	
48	83	3/2 ⁻		1.47	1.32	721.98	9.36	16.93	100.00	0.00	0.00	1.48	> 100	8.63	21.32	-7.60	
49	84	3/2 ⁻	9/2 ⁺	1.47	1.34	728.48	6.49	15.85	100.00	0.00	0.00	4.99	> 100	9.43	21.92	-7.66	
50	85	5/2 ⁻		1.47	1.40	736.91	8.43	14.93	100.00	0.00	0.00	3.46	> 100	9.83	23.23	-7.95	
51	86	5/2 ⁻	1/2 ⁺	1.46	1.28	741.85	4.94	13.38	100.00	0.00	0.00	7.90	> 100	10.60	24.00	-7.00	
52	87	3/2 ⁻		1.45	1.21	748.34	6.48	11.43	99.96	0.04	0.00	6.42	13.6927	10.61	25.03	-6.36	
53	88	3/2 ⁻	3/2 ⁺	1.46	1.19	752.52	4.18	10.67	99.70	0.30	0.00	9.48	1.9302	11.51	26.00	-6.38	
54	89	1/2 ⁺		1.47	1.19	758.20	5.68	9.87	99.93	0.07	0.00	8.01	0.2091	11.35	26.69	-6.61	
55	90	1/2 ⁺	3/2 ⁺	1.48	1.20	762.05	3.84	9.53	96.75	3.25	0.00	10.69	0.1204	12.15	27.70	-7.23	
56	91	1/2 ⁺		1.48	1.20	767.64	5.59	9.43	96.70	3.30	0.00	9.09	0.0570	12.37	28.72	-7.82	
57	92	1/2 ⁺	3/2 ⁺	1.49	1.22	771.01	3.37	8.96	86.95	13.04	0.01	12.13	0.0401	13.20	29.64	-8.36	
58	93	1/2 ⁺		1.49	1.22	776.08	5.07	8.44	74.16	25.82	0.01	10.51	0.0458	13.29	30.58	-8.87	
59	94	1/2 ⁻	3/2 ⁻	1.45	1.11	779.36	3.29	8.35	36.17	60.72	3.12	13.28	0.1670	14.38	31.85	-9.69	
60	95	1/2 ⁻		1.45	1.07	784.11	4.74	8.03	25.42	74.39	0.19	12.00	0.0854	14.50	32.82	-10.31	
61	96	1/2 ⁻	3/2 ⁺	1.47	1.13	786.97	2.87	7.61	44.75	49.40	5.85	14.66	0.0473	15.29	33.75	-11.17	
62	97	1/2 ⁻		1.48	1.12	791.26	4.28	7.15	2.44	92.56	4.99	13.39	0.0517	15.45	34.60	-11.68	
63	98	1/2 ⁻	5/2 ⁻	1.49	1.11	793.44	2.18	6.47	0.93	74.01	24.83	16.21	0.0386	16.17	35.46	-11.92	
64	99	1/2 ⁻		1.50	1.10	797.14	3.70	5.88	0.49	82.90	14.93	14.85	0.0257	16.31	36.31	-12.19	
65	100	1/2 ⁺	5/2 ⁺	1.52	1.09	799.13	1.99	5.69	18.73	55.77	24.14	17.33	0.0067	17.00	37.17	-12.85	
66	101	1/2 ⁺		1.53	1.09	802.81	3.67	5.66	6.75	79.94	10.27	15.74	0.0074	16.91	38.08	-13.68	
67	102	1/2 ⁺	5/2 ⁻	1.53	1.06	804.61	1.80	5.48	6.75	41.95	47.57	18.22	0.0069	17.58	38.84	-14.35	
68	103	1/2 ⁺		1.54	1.03	807.84	3.23	5.03	7.66	61.04	26.38	16.89	0.0052	17.86	39.81	-14.82	
69	104	1/2 ⁺	7/2 ⁻	1.54	1.01	809.23	1.38	4.61	7.46	20.09	65.53	19.57	0.0043	18.37	40.46	-15.16	
70	105	1/2 ⁺		1.56	0.98	811.96	2.73	4.12	5.72	41.09	35.73	18.19	0.0039	18.41	41.07	-15.62	
71	106	1/2 ⁺	5/2 ⁺	1.52	1.00	812.71	0.75	3.48	6.17	6.03	54.83	20.87	0.0030	19.11	41.91	-15.64	
72	107	1/2 ⁺		1.51	0.99	814.75	2.05	2.79	0.04	23.40	19.49	19.68	0.0026	19.22	42.63	-15.57	
73	108	1/2 ⁺	9/2 ⁻	1.52	0.99	815.21	0.46	2.50	0.00	0.04	30.71	21.72	0.0028	19.79	43.32	-16.12	
74	109	1/2 ⁺		1.52	0.97	816.99	1.78	2.23	0.09	6.23	0.87	20.50	0.0023	19.66	43.90	-16.57	
75	110	9/2 ⁺	1/2 ⁻	1.49	1.02	816.13	-0.86	0.92	0.00	0.00	0.53	22.69	0.0021	19.18	43.32	-15.94	
76	111	9/2 ⁺		1.49	1.00	817.58	1.45	0.60	0.00	0.00	0.00	21.31	0.0018	19.23	43.96	-16.20	
77	112	3/2 ⁻	3/2 ⁻	1.46	0.89	819.45	1.86	3.32	0.26	0.00	0.08	21.57	0.0035	21.42	46.01	-18.34	
78	113	3/2 ⁻		1.45	0.85	820.93	1.49	3.35	0.22	0.03	0.00	22.25	0.0016	21.23	46.97	-19.01	
79	114	3/2 ⁻	1/2 ⁻	1.44	0.82	821.10	0.17	1.65	0.17	0.10	0.09	24.26	0.0015	22.12	47.70	-19.36	
80	115	3/2 ⁻		1.43	0.79	822.28	1.18	1.35	0.09	0.13	0.05	23.35	0.0013	22.24	48.38	-20.02	
81	116	1/2 ⁻	11/2 ⁻	1.38	0.68	824.35	2.07	3.25	0.00	0.00	0.00	23.45	0.0019	23.06	49.09	-22.65	
82	117	1/2 ⁻		1.37	1.00	825.45	1.10	3.17	0.09	0.09	0.00	23.87	0.0009	23.22	49.69	-23.25	
83	118	3/2 ⁻	7/2 ⁻	1.37	0.89	823.87	-1.58	-0.48	0.00	0.00	1.93	27.34	0.0009	23.69		-20.32	
84	119	1/2 ⁻		1.37	0.82	823.15	-0.73	-2.31	0.00	...	...	26.48	0.0008	23.76		-19.09	
85	120	5/2 ⁻	3/2 ⁻	1.37	0.82	820.55	-2.59	-3.32	0.00	0.00	...	28.92	0.0006				
86	121	5/2		1.37	0.82	819.41	-1.15	-3.74	0.00	0.00	0.00	27.71	0.0006				

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 36 (Kr)																	
27	63		1/2 ⁻	1.52	1.77	456.50						22.26	0.0023	-2.36	-7.23	-3.67	
28	64			1.49	1.77	478.20	21.70					16.80	0.0090	-1.34	-5.39	-3.61	
29	65		3/2 ⁻	1.49	1.67	494.76	16.55	38.26				18.43	0.0082	-1.03	-4.08	-2.73	
30	66			1.46	1.61	513.96	19.21	35.76				14.17	0.0271	-0.01	-2.65	-2.08	
31	67		5/2 ⁻	1.45	1.58	529.05	15.09	34.30				16.04	0.0215	0.14	-1.55	-1.93	
32	68			1.45	1.57	547.08	18.03	33.12				12.04	0.0726	1.20	-0.20	-2.17	
33	69		1/2 ⁻	1.44	1.57	561.31	14.23	32.26				13.80	0.0332	1.41	1.08	-2.41	
34	70			1.43	1.57	578.33	17.02	31.25				9.09	0.3902	2.43	2.52	-2.75	
35	71		9/2 ⁺	1.42	1.57	591.29	12.97	29.98				10.40	0.1650	3.10	4.64	-2.77	
36	72			1.41	1.56	607.00	15.71	28.68				5.42	11.8982	4.53	6.74	-2.90	
37	73		3/2 ⁺	1.37	1.50	617.90	10.90	26.61				6.96	3.6395	4.69	8.04	-2.95	
38	74			1.38	1.49	631.98	14.08	24.98				3.04	> 100	6.34	9.67	-3.42	
39	75		5/2 ⁺	1.40	1.45	642.02	10.04	24.12				4.57	58.0142	6.21	10.85	-3.86	
40	76			1.40	1.41	654.82	12.80	22.83				1.06	> 100	7.45	11.82	-4.21	
41	77		7/2 ⁺	1.49	1.52	663.29	8.48	21.27				3.77	> 100	6.63	12.04	-3.82	
42	78			1.49	1.50	675.56	12.27	20.74				...	β -stable	7.72	13.24	-4.27	
43	79		5/2 ⁺	1.48	1.46	684.25	8.69	20.96				1.42	> 100	7.94	14.43	-4.70	
44	80			1.53	1.60	695.05	10.80	19.49				...	β -stable	8.59	14.62	-4.44	
45	81		5/2 ⁺	1.52	1.56	703.45	8.40	19.19				0.83	> 100	8.64	15.90	-5.33	
46	82			1.52	1.49	714.57	11.12	19.52				...	β -stable	9.51	17.00	-5.84	
47	83		7/2 ⁺	1.50	1.37	722.68	8.11	19.23				...	β -stable	10.05	18.48	-6.83	
48	84			1.50	1.35	732.69	10.01	18.12				...	β -stable	10.71	19.33	-6.83	
49	85		9/2 ⁺	1.48	1.34	739.59	6.90	16.91	100.00	0.00	0.00	0.97	> 100	11.11	20.54	-7.10	
50	86			1.48	1.40	748.97	9.39	16.28				...	β -stable	12.06	21.90	-7.32	
51	87		1/2 ⁺	1.47	1.28	753.97	5.00	14.39	100.00	0.00	0.00	3.98	> 100	12.12	22.72	-6.63	
52	88			1.47	1.20	761.22	7.25	12.25	100.00	0.00	0.00	2.55	> 100	12.88	23.50	-5.85	
53	89		3/2 ⁺	1.48	1.20	765.43	4.21	11.46	100.00	0.00	0.00	5.62	4.5943	12.90	24.41	-5.88	
54	90			1.48	1.19	771.95	6.53	10.73	100.00	0.00	0.00	4.01	3.3004	13.75	25.10	-5.93	
55	91		3/2 ⁺	1.48	1.20	775.94	3.98	10.51	100.00	0.00	0.00	6.68	0.5072	13.89	26.04	-6.63	
56	92			1.48	1.22	782.36	6.42	10.40	99.99	0.01	0.00	5.16	0.4104	14.72	27.09	-7.21	
57	93		1/2 ⁻	1.46	1.22	785.81	3.45	9.87	98.80	1.20	0.00	8.25	0.6245	14.80	28.00	-7.62	
58	94			1.43	1.16	791.86	6.05	9.50	98.97	1.03	0.00	6.58	0.5606	15.78	29.07	-8.30	
59	95		3/2 ⁻	1.42	1.11	795.32	3.46	9.51	95.60	4.40	0.00	9.34	0.4637	15.96	30.34	-9.22	
60	96			1.41	1.08	800.85	5.53	8.99	92.69	7.31	0.00	8.10	0.1963	16.74	31.25	-9.77	
61	97		3/2 ⁺	1.43	1.12	803.86	3.01	8.54	93.29	6.58	0.13	10.80	0.0875	16.89	32.18	-10.59	
62	98			1.44	1.11	808.87	5.01	8.02	90.08	9.92	0.00	9.54	0.1042	17.61	33.06	-10.97	
63	99		5/2 ⁻	1.45	1.11	811.21	2.34	7.35	77.34	20.65	2.01	12.29	0.0812	17.77	33.94	-11.23	
64	100			1.46	1.09	815.68	4.47	6.81	85.37	14.21	0.42	10.93	0.0482	18.54	34.85	-11.58	
65	101		5/2 ⁺	1.47	1.08	817.76	2.08	6.55	75.26	22.80	1.93	13.41	0.0157	18.63	35.63	-12.20	
66	102			1.48	1.07	822.05	4.28	6.36	50.76	47.62	1.60	11.93	0.0232	19.24	36.15	-12.91	
67	103		1/2 ⁺	1.49	1.04	823.95	1.91	6.19	31.59	60.13	8.13	14.35	0.0177	19.34	36.92	-13.52	
68	104			1.50	1.02	828.02	4.07	5.97	28.32	67.80	3.50	12.80	0.0148	20.18	38.04	-13.83	
69	105		7/2 ⁻	1.51	1.00	829.37	1.35	5.41	25.92	60.63	12.10	15.61	0.0113	20.14	38.51	-14.04	
70	106			1.52	0.98	832.79	3.42	4.77	26.46	67.01	3.12	14.35	0.0089	20.83	39.24	-14.52	
71	107		5/2 ⁺	1.49	0.99	833.65	0.86	4.29	12.89	39.34	41.91	16.81	0.0070	20.95	40.06	-14.50	
72	108			1.48	0.99	836.15	2.49	3.35	6.78	73.39	9.76	16.05	0.0049	21.39	40.61	-14.30	
73	109		9/2 ⁻	1.49	0.99	836.70	0.56	3.05	0.93	7.42	75.38	18.11	0.0052	21.50	41.29	-14.82	
74	110			1.50	1.03	838.04	1.33	1.89	0.02	46.84	10.05	17.62	0.0026	21.05	40.72	-14.21	
75	111		1/2 ⁻	1.50	1.01	838.11	0.08	1.41	0.64	0.00	29.18	19.07	0.0033	21.99	41.17	-14.40	
76	112			1.49	0.99	840.23	2.12	2.19	0.04	11.23	13.78	17.58	0.0030	22.65	41.88	-14.61	
77	113		3/2 ⁻	1.47	0.89	842.40	2.17	4.29	0.17	2.31	16.17	19.23	0.0027	22.96	44.37	-17.16	
78	114			1.46	0.85	844.58	2.17	4.34	0.00	68.75	18.23	18.28	0.0022	23.64	44.88	-17.93	
79	115		1/2 ⁻	1.45	0.81	844.85	0.27	2.44	0.13	0.00	85.67	20.39	0.0020	23.75	45.87	-18.52	
80	116			1.43	0.75	847.02	2.17	2.44	0.00	2.84	12.12	19.09	0.0019	24.73	46.97	-19.02	
81	117		11/2 ⁻	1.39	0.68	848.54	1.53	3.70	0.00	0.00	0.00	19.86	0.0024	24.19	47.25	-21.27	
82	118			1.39	1.01	850.43	1.88	3.41	0.16	0.00	81.47	20.09	0.0012	24.98	48.20	-22.09	
83	119		7/2 ⁻	1.39	0.89	848.84	-1.59	0.30	1.98	0.11	0.06	23.76	0.0011	24.97	48.66	-19.25	

N	A	Ω_p^π	Ω_n^π	Δ_{LNp} (MeV)	Δ_{LNn} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 36$ (Kr)																	
84	120			1.39	0.84	848.70	-0.15	-1.73	0.00	...	...	22.80	0.0010	25.55	49.31	-18.17	
85	121		3/2 ⁻	1.39	0.82	846.34	-2.36	-2.50	0.00	0.00	...	25.16	0.0008	25.78		-17.86	
86	122			1.38	0.83	845.73	-0.61	-2.96	0.00	0.00	0.00	23.87	0.0009	26.33		-18.05	
87	123		1/2	1.38	0.84	843.52	-2.21	-2.82	0.00	0.00	0.00	25.70	0.0007				
88	124			1.38	0.83	842.29	-1.23	-3.44	0.00	0.00	0.00	25.05	0.0006				
$Z = 37$ (Rb)																	
29	66	3/2 ⁺	7/2 ⁻	1.48	1.74	490.06						23.12	0.0033	-4.70	-5.73	-2.91	
30	67	3/2 ⁺		1.48	1.72	509.63	19.57					18.64	0.0071	-4.33	-4.34	-1.79	
31	68	3/2 ⁺	1/2 ⁻	1.47	1.68	525.67	16.05	35.61				20.62	0.0056	-3.38	-3.24	-1.59	
32	69	3/2 ⁺		1.47	1.66	543.90	18.23	34.27				16.63	0.0132	-3.18	-1.98	-1.64	
33	70	7/2 ⁺	1/2 ⁻	1.43	1.57	559.43	15.53	33.76				18.12	0.0123	-1.88	-0.47	-2.22	
34	71	7/2 ⁺		1.42	1.57	576.63	17.20	32.73				13.88	0.0347	-1.70	0.74	-2.46	
35	72	7/2 ⁺	9/2 ⁺	1.41	1.57	590.49	13.86	31.07				15.73	0.0263	-0.80	2.30	-2.30	
36	73	3/2 ⁺		1.40	1.54	606.69	16.19	30.06				10.43	0.2853	-0.31	4.21	-2.50	
37	74	3/2 ⁺	3/2 ⁺	1.39	1.51	619.49	12.80	29.00				11.71	0.6994	1.59	6.28	-3.00	
38	75	3/2 ⁺		1.38	1.48	634.20	14.70	27.51				7.04	3.6440	2.21	8.56	-3.42	
39	76	3/2 ⁺	5/2 ⁺	1.35	1.45	645.49	11.29	26.00				8.54	4.4044	3.47	9.68	-3.99	
40	77	3/2 ⁺		1.34	1.41	658.23	12.74	24.03				4.28	24.9441	3.41	10.86	-4.29	
41	78	3/2 ⁺	3/2 ⁻	1.36	1.38	668.28	10.05	22.78				6.50	66.5642	4.98	11.61	-4.17	
42	79	1/2 ⁻		1.49	1.51	679.41	11.14	21.18				4.06	> 100	3.85	11.57	-3.74	
43	80	9/2 ⁺	5/2 ⁺	1.49	1.47	688.98	9.57	20.71				5.28	> 100	4.73	12.68	-4.03	
44	81	5/2 ⁻		1.52	1.61	700.07	11.09	20.66				2.59	> 100	5.02	13.61	-3.93	
45	82	5/2 ⁻	5/2 ⁺	1.52	1.56	709.26	9.19	20.28				4.52	> 100	5.82	14.45	-4.66	
46	83	5/2 ⁻		1.52	1.50	720.60	11.33	20.53				1.30	> 100	6.03	15.54	-5.84	
47	84	5/2 ⁻	7/2 ⁺	1.51	1.41	729.28	8.68	20.02	100.00	0.00	0.00	±	±	6.60	16.66	-6.18	
48	85	3/2 ⁻		1.51	1.34	739.77	10.49	19.17				...	β -stable	7.08	17.79	-6.42	
49	86	3/2 ⁻	9/2 ⁺	1.50	1.34	747.62	7.85	18.34	100.00	0.00	0.00	±	±	8.03	19.14	-6.70	
50	87	3/2 ⁻		1.49	1.40	757.17	9.55	17.40	100.00	0.00	0.00	1.11	> 100	8.19	20.26	-6.89	
51	88	3/2 ⁻	1/2 ⁺	1.49	1.28	762.98	5.81	15.36	100.00	0.00	0.00	5.90	> 100	9.01	21.13	-6.21	
52	89	3/2 ⁻		1.49	1.20	770.26	7.28	13.09	100.00	0.00	0.00	4.35	> 100	9.04	21.92	-5.06	
53	90	3/2 ⁻	3/2 ⁺	1.49	1.20	775.18	4.91	12.19	100.00	0.00	0.00	7.43	74.6602	9.75	22.65	-5.03	
54	91	3/2 ⁻		1.50	1.21	781.84	6.66	11.58	100.00	0.00	0.00	5.75	36.5885	9.89	23.64	-5.21	
55	92	3/2 ⁺	3/2 ⁺	1.48	1.21	786.73	4.89	11.56	100.00	0.00	0.00	8.12	0.2976	10.80	24.69	-5.92	
56	93	3/2 ⁺		1.44	1.23	793.28	6.54	11.44	99.87	0.13	0.00	6.40	0.1862	10.92	25.64	-6.78	
57	94	3/2 ⁺	1/2 ⁻	1.43	1.22	797.65	4.38	10.92	99.16	0.84	0.00	9.65	0.1748	11.85	26.65	-7.31	
58	95	3/2 ⁺		1.42	1.17	803.88	6.22	10.60	97.92	2.08	0.00	8.15	0.0783	12.02	27.80	-7.95	
59	96	3/2 ⁺	3/2 ⁻	1.41	1.14	808.17	4.29	10.52	84.21	15.76	0.02	10.74	0.0789	12.85	28.81	-8.86	
60	97	3/2 ⁺		1.41	1.12	813.88	5.71	10.00	92.76	7.24	0.00	9.41	0.0462	13.03	29.77	-9.51	
61	98	3/2 ⁺	3/2 ⁺	1.41	1.11	817.63	3.75	9.46	77.70	22.07	0.23	12.13	0.0565	13.77	30.66	-9.97	
62	99	3/2 ⁺		1.42	1.08	822.72	5.09	8.85	70.07	29.92	0.01	10.85	0.0418	13.85	31.47	-10.32	
63	100	3/2 ⁺	5/2 ⁻	1.43	1.12	825.84	3.11	8.21	69.13	29.98	0.89	13.65	0.0422	14.62	32.40	-10.57	
64	101	3/2 ⁺		1.43	1.09	830.40	4.56	7.67	66.96	32.76	0.28	12.34	0.0291	14.71	33.25	-10.84	
65	102	3/2 ⁺	5/2 ⁺	1.43	1.09	833.19	2.80	7.36	78.03	19.72	2.25	14.83	0.0139	15.43	34.06	-11.46	
66	103	3/2 ⁺		1.44	1.06	837.52	4.33	7.13	49.68	48.40	1.90	13.40	0.0176	15.47	34.71	-12.08	
67	104	3/2 ⁺	1/2 ⁺	1.44	1.04	840.03	2.51	6.84	48.27	41.87	9.79	15.89	0.0137	16.08	35.42	-12.60	
68	105	3/2 ⁺		1.45	1.01	844.20	4.16	6.68	18.90	77.04	3.71	14.40	0.0119	16.18	36.35	-13.09	
69	106	3/2 ⁺	7/2 ⁻	1.46	0.99	846.36	2.16	6.32	18.50	61.58	18.74	17.00	0.0102	16.99	37.13	-13.45	
70	107	3/2 ⁺		1.46	0.97	849.68	3.33	5.49	18.02	70.90	7.60	15.87	0.0079	16.89	37.72	-13.54	
71	108	3/2 ⁺	5/2 ⁺	1.47	1.00	851.41	1.73	5.05	17.09	31.22	47.70	18.15	0.0075	17.76	38.70	-13.89	
72	109	3/2 ⁺		1.47	1.00	854.03	2.62	4.34	7.17	36.60	44.30	17.13	0.0063	17.88	39.28	-13.77	
73	110	3/2 ⁺	9/2 ⁻	1.45	1.00	854.88	0.85	3.47	0.19	15.96	57.42	19.36	0.0057	18.17	39.67	-13.88	
74	111	7/2 ⁺		1.49	1.02	856.40	1.52	2.37	0.00	16.95	46.51	18.95	0.0028	18.36	39.41	-13.35	
75	112	7/2 ⁺	1/2 ⁻	1.48	1.00	857.04	0.63	2.16	0.00	17.05	3.98	20.74	0.0031	18.92	40.91	-13.53	
76	113	1/2 ⁻		1.49	0.94	860.85	3.82	4.45	0.03	0.03	7.68	18.79	0.0035	20.62	43.27	-15.57	
77	114	1/2 ⁻	3/2 ⁻	1.48	0.90	862.08	1.22	5.04	0.02	0.14	11.04	21.04	0.0033	19.67	42.63	-17.65	
78	115	1/2 ⁻		1.48	0.85	864.46	2.38	3.60	0.03	0.12	18.59	19.95	0.0028	19.88	43.53	-18.58	
79	116	1/2 ⁻	1/2 ⁻	1.47	0.82	865.32	0.86	3.24	0.02	0.04	5.52	21.97	0.0026	20.47	44.22	-17.58	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 37 (Rb)																	
80	117	1/2 ⁻		1.45	0.75	867.62	2.30	3.16	0.01	0.06	1.29	20.60	0.0025	20.60	45.33	-18.39	
81	118	3/2 ⁻	11/2 ⁻	1.42	0.66	869.73	2.12	4.41	0.00	0.00	0.02	21.34	0.0033	21.19	45.38	-20.34	
82	119	3/2 ⁻		1.42	1.03	871.82	2.09	4.21	0.08	0.05	0.00	21.53	0.0016	21.39	46.37	-21.24	
83	120	1/2 ⁻	7/2 ⁻	1.42	0.90	870.72	-1.11	0.98	0.00	0.84	0.06	25.24	0.0015	21.87	46.84	-18.07	
84	121	1/2 ⁻		1.42	0.83	870.72	0.00	-1.10	0.00	...	...	24.12	0.0014	22.02	47.57	-16.97	
85	122	3/2	3/2	1.41	0.84	868.82	-1.90	-1.90	0.00	0.00	...	26.53	0.0012	22.48	48.26	-16.65	
86	123	3/2		1.41	0.85	868.43	-0.39	-2.29	0.00	0.00	0.00	25.41	0.0012	22.70	49.02	-16.99	
87	124	3/2	5/2	1.41	0.85	866.56	-1.87	-2.26	0.00	0.00	0.00	27.24	0.0011	23.04		-17.71	
88	125	3/2		1.38	0.83	865.49	-1.07	-2.94	0.00	0.00	0.00	26.60	0.0006	23.20		-17.79	
89	126	5/2 ⁻	1/2 ⁺	1.38	0.88	862.63	-2.86	-3.93	0.00	0.00	0.00	28.37	0.0007				
90	127	3/2 ⁺		1.36	0.84	862.69	0.06	-2.80	0.00	0.00	0.00	25.88	0.0007				
91	128	3/2 ⁺	3/2 ⁺	1.34	0.85	861.04	-1.65	-1.59	0.00	0.00	0.00	28.16	0.0006				
Z = 38 (Sr)																	
30	68			1.40	1.74	508.55						16.34	0.0080	-1.08	-5.41	-2.06	
31	69		1/2 ⁻	1.42	1.71	524.77	16.22					18.35	0.0065	-0.90	-4.28	-1.72	
32	70			1.41	1.70	543.99	19.22	35.44				14.66	0.0159	0.09	-3.09	-1.73	
33	71		3/2 ⁻	1.43	1.64	559.18	15.19	34.42				16.66	0.0140	-0.25	-2.13	-1.84	
34	72			1.39	1.64	577.48	18.29	33.49				12.24	0.0564	0.85	-0.85	-2.10	
35	73		3/2 ⁻	1.38	1.59	591.86	14.38	32.67				14.05	0.0440	1.36	0.56	-2.25	
36	74			1.35	1.56	609.17	17.31	31.70				9.54	0.3856	2.48	2.17	-2.55	
37	75		3/2 ⁺	1.35	1.52	622.66	13.49	30.81				10.75	0.1968	3.17	4.76	-3.08	
38	76			1.27	1.50	638.66	16.00	29.49				6.05	9.4820	4.47	6.68	-3.36	
39	77		5/2 ⁺	1.26	1.46	650.11	11.45	27.45				7.34	3.5957	4.62	8.09	-3.91	
40	78			1.26	1.41	663.90	13.79	25.24				3.59	> 100	5.67	9.09	-3.62	
41	79		3/2 ⁻	1.26	1.38	674.06	10.16	23.95				4.57	> 100	5.79	10.77	-3.74	
42	80			1.53	1.63	684.82	10.76	20.92				3.38	> 100	5.41	9.26	-1.71	
43	81		3/2 ⁺	1.53	1.63	694.71	9.88	20.65				4.58	> 100	5.72	10.45	-3.12	
44	82			1.53	1.62	707.63	12.92	22.81				0.85	> 100	7.56	12.58	-3.77	
45	83		5/2 ⁺	1.53	1.58	716.97	9.34	22.26				2.85	> 100	7.70	13.52	-4.42	
46	84			1.53	1.51	729.15	12.18	21.52				...	β -stable	8.55	14.58	-5.80	
47	85		7/2 ⁺	1.53	1.43	737.95	8.80	20.98				1.04	> 100	8.66	15.27	-6.20	
48	86			1.51	1.34	749.43	11.48	20.28				...	β -stable	9.66	16.74	-6.57	
49	87		9/2 ⁺	1.51	1.34	757.49	8.06	19.55				...	β -stable	9.87	17.91	-6.52	
50	88			1.51	1.41	768.10	10.60	18.67				...	β -stable	10.93	19.12	-7.11	
51	89		1/2 ⁺	1.50	1.28	773.83	5.73	16.34	100.00	0.00	0.00	1.92	> 100	10.85	19.86	-5.95	
52	90			1.50	1.19	781.82	7.99	13.72	100.00	0.00	0.00	0.29	> 100	11.56	20.60	-4.55	
53	91		3/2 ⁺	1.50	1.21	786.81	4.99	12.98	100.00	0.00	0.00	3.36	> 100	11.64	21.38	-4.54	
54	92			1.52	1.23	794.07	7.26	12.25	100.00	0.00	0.00	1.84	> 100	12.23	22.12	-4.55	
55	93		3/2 ⁺	1.49	1.21	798.90	4.83	12.09	100.00	0.00	0.00	4.57	3.3659	12.16	22.96	-5.18	
56	94			1.44	1.22	806.53	7.63	12.46	100.00	0.00	0.00	2.36	8.8353	13.25	24.17	-6.28	
57	95		1/2 ⁻	1.40	1.22	811.24	4.71	12.34	100.00	0.00	0.00	5.25	9.5064	13.59	25.43	-7.01	
58	96			1.40	1.18	818.13	6.89	11.60	100.00	0.00	0.00	3.81	1.1080	14.26	26.27	-7.48	
59	97		3/2 ⁻	1.40	1.16	822.50	4.37	11.26	99.83	0.17	0.00	6.76	1.4002	14.33	27.18	-8.40	
60	98			1.39	1.13	828.98	6.48	10.85	99.70	0.30	0.00	5.38	0.7216	15.10	28.13	-8.82	
61	99		3/2 ⁺	1.40	1.11	832.79	3.81	10.29	99.78	0.22	0.00	8.25	0.3839	15.16	28.93	-9.17	
62	100			1.40	1.09	838.70	5.91	9.72	99.62	0.38	0.00	6.86	0.4707	15.97	29.83	-9.55	
63	101		5/2 ⁻	1.40	1.07	841.95	3.25	9.16	96.75	3.25	0.00	9.64	0.3919	16.11	30.73	-9.79	
64	102			1.40	1.08	847.24	5.29	8.54	95.93	4.07	0.00	8.32	0.2018	16.84	31.55	-10.07	
65	103		5/2 ⁺	1.40	1.08	850.13	2.90	8.19	97.80	2.19	0.01	10.82	0.0357	16.94	32.37	-10.62	
66	104			1.41	1.06	855.14	5.01	7.90	90.82	9.18	0.00	9.43	0.0812	17.62	33.09	-11.16	
67	105		1/2 ⁺	1.41	1.03	857.81	2.67	7.68	86.94	12.32	0.74	11.85	0.0556	17.78	33.85	-11.75	
68	106			1.42	1.00	862.57	4.76	7.43	88.87	11.09	0.03	10.43	0.0437	18.38	34.55	-12.23	
69	107		7/2 ⁻	1.42	0.99	864.77	2.20	6.96	68.57	28.26	3.18	13.05	0.0347	18.42	35.40	-12.52	
70	108			1.42	0.97	868.77	4.00	6.20	70.39	27.33	2.28	11.98	0.0240	19.09	35.98	-12.46	
71	109		1/2 ⁻	1.43	1.01	870.37	1.60	5.60	17.76	73.71	8.26	14.50	0.0203	18.96	36.72	-12.71	
72	110			1.43	1.00	873.46	3.09	4.68	20.15	71.34	7.67	13.59	0.0141	19.43	37.31	-12.37	
73	111		5/2 ⁺	1.43	1.01	874.57	1.11	4.20	11.22	52.60	30.46	15.83	0.0125	19.69	37.87	-12.62	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 38 (Sr)																	
74	112			1.51	1.04	876.99	2.42	3.53	0.88	68.44	23.69	14.70	0.0066	20.59	38.95	-12.55	
75	113		5/2 ⁻	1.52	0.98	878.86	1.87	4.29	2.61	19.89	71.55	16.24	0.0059	21.83	40.75	-13.86	
76	114			1.51	0.92	882.33	3.47	5.34	5.57	86.82	2.43	14.52	0.0058	21.48	42.10	-16.00	
77	115		3/2 ⁻	1.51	0.91	883.63	1.29	4.77	2.78	23.02	68.52	16.78	0.0052	21.55	41.22	-17.22	
78	116			1.50	0.85	886.51	2.88	4.18	2.63	87.04	3.26	15.96	0.0038	22.05	41.93	-17.98	
79	117		1/2 ⁻	1.49	0.82	887.44	0.93	3.81	0.11	12.95	77.53	18.04	0.0035	22.12	42.59	-16.74	
80	118			1.49	0.76	890.29	2.85	3.79	1.23	54.14	34.34	16.74	0.0034	22.68	43.28	-17.42	
81	119		1/2 ⁻	1.47	0.65	892.57	2.28	5.13	0.00	0.00	91.78	17.10	0.0054	22.84	44.03	-19.42	
82	120			1.46	1.04	895.17	2.61	4.88	0.06	85.44	0.00	17.27	0.0024	23.35	44.74	-19.86	
83	121		7/2 ⁻	1.46	0.92	894.06	-1.12	1.49	1.01	0.06	82.63	21.38	0.0019	23.34	45.21	-17.22	
84	122			1.46	0.84	894.57	0.51	-0.61	0.00	...	...	20.25	0.0019	23.85	45.87	-15.84	
85	123		5/2 ⁻	1.46	0.86	893.06	-1.51	-1.00	0.00	0.00	...	22.33	0.0019	24.24	46.72	-15.92	
86	124			1.46	0.89	893.02	-0.04	-1.54	0.00	0.00	0.00	21.38	0.0016	24.59	47.29	-16.03	
87	125		5/2	1.44	0.86	891.31	-1.71	-1.75	0.00	0.00	0.00	23.11	0.0017	24.75	47.79	-16.68	
88	126			1.40	0.84	890.22	-1.09	-2.80	0.00	0.00	0.00	22.99	0.0009	24.73	47.93	-16.19	
89	127		1/2 ⁺	1.38	0.88	887.78	-2.44	-3.53	0.00	0.00	0.00	24.76	0.0008	25.15		-15.97	
90	128			1.35	0.83	888.42	0.64	-1.80	0.00	0.00	0.00	22.26	0.0010	25.73		-17.84	
91	129		3/2 ⁺	1.32	0.86	886.47	-1.96	-1.32	0.00	0.00	0.00	24.71	0.0007	25.42			
92	130			1.32	0.82	886.76	0.29	-1.66	0.00	0.00	0.00	23.34	0.0007				
93	131		3/2 ⁻	1.31	0.84	885.04	-1.72	-1.42	0.00	0.00	0.00	25.18	0.0007				
Z = 39 (Y)																	
31	70	5/2 ⁺	1/2 ⁻	1.37	1.75	520.72						22.48	0.0035	-4.04	-4.95	-2.37	
32	71	5/2 ⁺		1.38	1.76	540.05	19.33					18.35	0.0081	-3.94	-3.85	-2.13	
33	72	5/2 ⁺	1/2 ⁺	1.37	1.73	556.40	16.35	35.68				20.29	0.0066	-2.78	-3.03	-2.43	
34	73	5/2 ⁺		1.36	1.69	574.71	18.30	34.66				16.37	0.0167	-2.77	-1.92	-2.51	
35	74	5/2 ⁺	3/2 ⁻	1.36	1.63	590.12	15.42	33.72				18.27	0.0159	-1.74	-0.37	-2.40	
36	75	5/2 ⁺		1.35	1.58	607.61	17.49	32.90				14.27	0.0386	-1.57	0.92	-2.68	
37	76	5/2 ⁺	3/2 ⁺	1.35	1.53	622.09	14.48	31.97				15.79	0.0378	-0.57	2.60	-3.30	
38	77	5/2 ⁺		1.34	1.50	638.40	16.31	30.79				10.93	0.1903	-0.26	4.20	-3.41	
39	78	5/2 ⁺	5/2 ⁺	1.33	1.47	651.17	12.77	29.08				11.95	0.2149	1.06	5.68	-3.38	
40	79	5/2 ⁺		1.31	1.42	665.63	14.46	27.23				7.65	2.4487	1.73	7.40	-3.14	
41	80	5/2 ⁺	1/2 ⁺	1.32	1.38	676.64	11.01	25.47				7.40	46.1017	2.58	8.37	-2.86	
42	81	5/2 ⁺		1.30	1.36	689.40	12.76	23.77				4.52	33.3932	4.58	9.99	-2.88	
43	82	1/2 ⁻	3/2 ⁺	1.54	1.64	698.13	8.73	21.49				8.72	85.0288	3.42	9.15	-1.56	
44	83	1/2 ⁻		1.54	1.63	711.23	13.10	21.83				4.95	> 100	3.60	11.16	-3.52	
45	84	1/2 ⁻	5/2 ⁺	1.54	1.59	721.42	10.19	23.29				6.94	> 100	4.45	12.15	-4.14	
46	85	1/2 ⁻		1.55	1.52	733.78	12.36	22.55				3.39	> 100	4.63	13.18	-5.41	
47	86	1/2 ⁻	7/2 ⁺	1.55	1.43	743.45	9.67	22.03				5.20	> 100	5.50	14.16	-5.89	
48	87	1/2 ⁻		1.52	1.34	755.11	11.66	21.33				1.60	> 100	5.68	15.34	-6.21	
49	88	1/2 ⁻	9/2 ⁺	1.51	1.33	763.96	8.85	20.51				±	±	6.46	16.34	-6.38	
50	89	1/2 ⁻		1.51	1.41	774.97	11.01	19.86				...	β-stable	6.87	17.80	-6.90	
51	90	1/2 ⁻	1/2 ⁺	1.52	1.27	781.32	6.36	17.37	100.00	0.00	0.00	3.56	> 100	7.49	18.34	-5.41	
52	91	1/2 ⁻		1.52	1.19	789.39	8.07	14.43	100.00	0.00	0.00	1.93	> 100	7.57	19.13	-3.93	
53	92	1/2 ⁻	3/2 ⁺	1.52	1.20	795.13	5.74	13.80	100.00	0.00	0.00	5.09	> 100	8.31	19.95	-3.85	
54	93	9/2 ⁺		1.51	1.21	802.69	7.56	13.30	100.00	0.00	0.00	3.38	12.7791	8.62	20.85	-4.13	
55	94	5/2 ⁻	3/2 ⁺	1.50	1.21	808.10	5.41	12.98	100.00	0.00	0.00	6.09	> 100	9.20	21.37	-4.63	
56	95	5/2 ⁺		1.37	1.26	815.70	7.60	13.01	100.00	0.00	0.00	4.17	1.8935	9.18	22.43	-5.57	
57	96	5/2 ⁺	9/2 ⁺	1.38	1.22	821.16	5.46	13.06	100.00	0.00	0.00	6.87	1.6741	9.92	23.51	-6.13	
58	97	5/2 ⁺		1.37	1.23	828.47	7.31	12.77	99.98	0.02	0.00	5.02	0.2887	10.34	24.60	-6.90	
59	98	5/2 ⁺	3/2 ⁻	1.37	1.18	833.58	5.10	12.42	99.43	0.57	0.00	7.95	0.3302	11.08	25.41	-7.63	
60	99	5/2 ⁺		1.37	1.16	840.26	6.68	11.78	99.81	0.19	0.00	6.46	0.1655	11.28	26.38	-8.09	
61	100	5/2 ⁺	5/2 ⁻	1.37	1.14	844.78	4.52	11.20	99.80	0.20	0.00	9.38	0.3489	11.99	27.15	-8.31	
62	101	5/2 ⁺		1.37	1.11	850.80	6.03	10.55	99.42	0.58	0.00	8.02	0.1935	12.10	28.08	-8.63	
63	102	5/2 ⁺	3/2 ⁺	1.37	1.09	854.78	3.97	10.00	96.88	3.12	0.00	10.82	0.1073	12.83	28.94	-8.85	
64	103	5/2 ⁺		1.38	1.09	860.18	5.40	9.37	95.97	4.03	0.00	9.49	0.0872	12.94	29.78	-9.15	
65	104	5/2 ⁺	5/2 ⁺	1.38	1.08	863.79	3.61	9.01	95.25	4.75	0.00	12.01	0.0324	13.66	30.60	-9.66	
66	105	5/2 ⁺		1.39	1.06	868.87	5.08	8.70	77.59	22.41	0.00	10.60	0.0477	13.73	31.35	-10.18	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 39$ (Y)																	
67	106	5/2 ⁺	1/2 ⁺	1.39	1.02	872.22	3.34	8.43	77.08	22.42	0.50	13.00	0.0387	14.41	32.18	-10.73	
68	107	5/2 ⁺		1.39	0.99	877.04	4.83	8.17	68.18	31.66	0.17	11.64	0.0305	14.47	32.85	-11.23	
69	108	5/2 ⁺	7/2 ⁻	1.39	0.99	879.98	2.93	7.76	64.99	33.05	1.96	14.19	0.0254	15.20	33.62	-11.65	
70	109	5/2 ⁺		1.39	0.97	884.09	4.12	7.05	42.89	55.59	1.52	13.14	0.0187	15.32	34.41	-11.60	
71	110	5/2 ⁺	1/2 ⁻	1.41	1.01	886.27	2.17	6.29	38.15	52.19	9.60	15.69	0.0162	15.90	34.86	-11.62	
72	111	5/2 ⁺		1.40	1.00	889.61	3.35	5.52	34.80	57.06	6.38	14.66	0.0125	16.16	35.59	-11.64	
73	112	5/2 ⁺	5/2 ⁺	1.41	1.04	890.91	1.30	4.65	27.68	10.83	57.78	17.43	0.0091	16.34	36.04	-11.21	
74	113	5/2 ⁺		1.39	1.00	894.31	3.40	4.70	1.17	51.20	38.90	15.39	0.0116	17.32	37.91	-11.99	
75	114	9/2 ⁺	5/2 ⁻	1.52	0.99	896.07	1.75	5.15	0.01	31.37	62.53	17.99	0.0058	17.20	39.03	-12.89	
76	115	9/2 ⁺		1.52	0.94	899.62	3.56	5.31	0.00	72.92	20.51	16.57	0.0050	17.29	38.77	-14.93	
77	116	9/2 ⁺	3/2 ⁻	1.52	0.89	901.68	2.06	5.62	0.12	31.47	63.23	18.60	0.0051	18.06	39.60	-16.35	
78	117	9/2 ⁺		1.52	0.83	904.69	3.01	5.07	0.00	50.44	41.07	17.68	0.0040	18.19	40.24	-15.54	
79	118	9/2 ⁺	1/2 ⁻	1.51	0.82	906.25	1.56	4.57	0.00	24.80	63.90	19.84	0.0036	18.81	40.93	-15.88	
80	119	9/2 ⁺		1.51	0.79	908.88	2.63	4.19	0.00	30.30	34.13	18.85	0.0032	18.59	41.27	-16.13	
81	120	1/2 ⁻	7/2 ⁻	1.51	0.65	911.66	2.78	5.41	0.00	0.00	61.26	19.29	0.0066	19.10	41.93	-18.05	
82	121	1/2 ⁻		1.51	1.05	914.66	2.99	5.77	0.11	0.01	84.31	19.11	0.0032	19.48	42.83	-18.74	
83	122	1/2 ⁻	5/2 ⁻	1.50	0.92	914.03	-0.63	2.37	0.00	0.70	0.02	23.36	0.0025	19.97	43.31	-16.00	
84	123	1/2 ⁻		1.50	0.85	914.61	0.58	-0.04	0.00	...	...	22.16	0.0026	20.05	43.89	-14.49	
85	124	1/2	7/2	1.50	0.87	913.62	-0.99	-0.41	...	...	...	24.33	0.0024	20.56	44.80	-14.61	
86	125	1/2		1.49	0.88	913.64	0.02	-0.97	0.00	0.00	0.00	23.32	0.0021	20.62	45.21	-14.63	
87	126	1/2	7/2	1.47	0.88	912.43	-1.22	-1.19	0.00	0.00	...	25.18	0.0021	21.11	45.87	-15.31	
88	127	1/2		1.42	0.85	911.77	-0.66	-1.88	0.00	0.00	0.00	24.22	0.0013	21.55	46.27	-15.04	
89	128	3/2 ⁺	1/2 ⁺	1.38	0.88	909.91	-1.86	-2.52	0.00	0.00	0.00	25.94	0.0010	22.12	47.27	-15.05	
90	129	3/2 ⁺		1.36	0.84	910.39	0.49	-1.37	0.00	0.00	0.00	23.92	0.0010	21.97	47.70	-16.60	
91	130	5/2 ⁻	3/2 ⁺	1.32	0.85	909.32	-1.07	-0.58	0.00	0.00	0.00	25.83	0.0011	22.85	48.28	-18.40	
92	131	5/2 ⁻		1.31	0.82	909.44	0.12	-0.95	0.00	0.00	0.00	24.93	0.0008	22.68		-18.45	
93	132	5/2 ⁻	3/2 ⁻	1.31	0.84	908.36	-1.08	-0.96	0.00	0.00	...	26.55	0.0008	23.32		-19.02	
94	133	5/2 ⁻		1.30	0.82	908.14	-0.22	-1.30	0.00	0.00	0.00	25.60	0.0007				
95	134	5/2 ⁻	5/2 ⁺	1.29	0.83	906.56	-1.59	-1.80	0.00	0.00	0.00	27.59	0.0007				
$Z = 40$ (Zr)																	
32	72			1.33	1.77	538.50						17.12	0.0073	-1.55	-5.49	-1.65	
33	73		3/2 ⁻	1.38	1.69	554.93	16.43					18.99	0.0072	-1.47	-4.25	-1.87	
34	74			1.33	1.70	574.28	19.35	35.78				15.06	0.0184	-0.42	-3.19	-2.00	
35	75		3/2 ⁻	1.31	1.64	589.90	15.61	34.96				16.93	0.0168	-0.23	-1.96	-2.41	
36	76			1.31	1.59	608.20	18.30	33.91				13.11	0.0525	0.59	-0.98	-2.42	
37	77		3/2 ⁺	1.31	1.53	622.89	14.69	33.00				14.73	0.0294	0.80	0.23	-2.74	
38	78			1.30	1.50	640.09	17.20	31.90				10.29	0.2610	1.69	1.43	-2.63	
39	79		5/2 ⁺	1.29	1.47	653.53	13.43	30.64				11.32	0.1648	2.36	3.41	-2.57	
40	80			1.27	1.43	669.26	15.73	29.16				6.60	6.8511	3.63	5.35	-2.30	
41	81		1/2 ⁺	1.28	1.39	680.50	11.24	26.97				8.12	4.2792	3.86	6.44	-2.09	
42	82			1.50	1.65	692.30	11.81	23.05				5.04	> 100	2.90	7.48	-0.11	
43	83		3/2 ⁺	1.50	1.65	703.24	10.94	22.74				7.21	9.9642	5.11	8.53	-0.88	
44	84			1.50	1.64	717.23	13.99	24.93				3.40	> 100	6.00	9.60	-4.11	
45	85		5/2 ⁺	1.50	1.60	727.59	10.36	24.35				5.40	53.3605	6.17	10.62	-4.59	
46	86			1.51	1.53	740.81	13.22	23.58				1.86	> 100	7.03	11.66	-4.88	
47	87		7/2 ⁺	1.51	1.43	750.64	9.83	23.05				3.68	> 100	7.20	12.69	-5.38	
48	88			1.51	1.34	763.18	12.54	22.38				...	β -stable	8.07	13.75	-5.74	
49	89		9/2 ⁺	1.54	1.33	772.30	9.11	21.66				1.88	> 100	8.34	14.81	-6.06	
50	90			1.52	1.42	784.11	11.81	20.92				...	β -stable	9.14	16.01	-6.38	
51	91		1/2 ⁺	1.52	1.27	790.53	6.43	18.24				...	β -stable	9.21	16.70	-4.75	
52	92			1.54	1.18	799.43	8.90	15.33				...	β -stable	10.04	17.61	-3.04	
53	93		3/2 ⁺	1.54	1.20	805.29	5.85	14.75	100.00	0.00	0.00	1.02	> 100	10.16	18.47	-3.16	
54	94			1.54	1.23	813.41	8.13	13.98				...	β -stable	10.72	19.34	-3.30	
55	95		3/2 ⁺	1.50	1.20	819.09	5.68	13.80	100.00	0.00	0.00	2.19	> 100	10.99	20.19	-3.98	
56	96			1.46	1.22	827.25	8.16	13.83	100.00	0.00	0.00	0.58	> 100	11.54	20.72	-4.88	
57	97		1/2 ⁻	1.38	1.24	832.71	5.46	13.62	100.00	0.00	0.00	3.36	> 100	11.55	21.47	-5.51	
58	98			1.34	1.23	840.74	8.03	13.50	100.00	0.00	0.00	1.37	> 100	12.27	22.61	-5.92	

<i>N</i>	<i>A</i>	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 40 (Zr)																	
59	99		3/2 ⁻	1.33	1.19	845.94	5.19	13.23	100.00	0.00	0.00	4.23	> 100	12.36	23.43	-6.40	
60	100			1.33	1.18	853.37	7.43	12.63	100.00	0.00	0.00	2.64	23.8650	13.11	24.39	-6.94	
61	101		5/2 ⁻	1.33	1.15	858.05	4.67	12.11	100.00	0.00	0.00	5.60	53.7119	13.27	25.25	-7.25	
62	102			1.33	1.13	864.82	6.77	11.45	100.00	0.00	0.00	4.25	9.7999	14.01	26.12	-7.54	
63	103		3/2 ⁺	1.34	1.12	868.88	4.06	10.84	100.00	0.00	0.00	7.11	1.9478	14.10	26.93	-7.79	
64	104			1.34	1.11	875.02	6.13	10.20	99.99	0.01	0.00	5.74	1.8786	14.84	27.78	-8.02	
65	105		5/2 ⁺	1.35	1.08	878.69	3.68	9.81	99.97	0.03	0.00	8.26	0.1021	14.90	28.56	-8.45	
66	106			1.36	1.06	884.43	5.74	9.42	99.29	0.71	0.00	6.85	0.3812	15.56	29.29	-8.90	
67	107		1/2 ⁺	1.36	1.03	887.90	3.47	9.21	99.44	0.56	0.00	9.20	0.2228	15.69	30.09	-9.47	
68	108			1.36	0.99	893.38	5.48	8.95	98.55	1.45	0.00	7.76	0.1800	16.34	30.81	-9.95	
69	109		7/2 ⁻	1.36	0.98	896.45	3.07	8.55	96.81	3.19	0.00	10.27	0.1425	16.48	31.68	-10.35	
70	110			1.37	0.97	901.18	4.72	7.79	93.22	6.78	0.00	9.28	0.0813	17.08	32.40	-10.31	
71	111		1/2 ⁻	1.38	1.01	903.49	2.31	7.04	87.56	11.09	1.35	11.85	0.0628	17.22	33.12	-10.42	
72	112			1.37	0.99	907.57	4.08	6.39	72.49	27.21	0.30	10.77	0.0463	17.95	34.11	-10.50	
73	113		5/2 ⁺	1.38	1.04	908.92	1.36	5.44	22.24	70.29	7.44	13.05	0.0365	18.01	34.35	-10.26	
74	114			1.53	1.04	913.27	4.35	5.71	43.94	54.23	1.70	11.44	0.0197	18.96	36.28	-11.52	
75	115		5/2 ⁻	1.54	0.99	915.41	2.13	6.48	23.38	72.20	4.13	13.73	0.0173	19.34	36.54	-12.54	
76	116			1.53	0.94	919.50	4.10	6.23	39.93	58.23	1.71	12.53	0.0124	19.88	37.17	-14.22	
77	117		3/2 ⁻	1.54	0.90	921.59	2.09	6.19	16.07	78.36	5.05	14.60	0.0123	19.91	37.97	-14.44	
78	118			1.53	0.84	925.31	3.71	5.80	19.27	76.39	3.15	13.61	0.0094	20.61	38.80	-14.68	
79	119		1/2 ⁻	1.53	0.82	926.95	1.64	5.36	8.75	81.44	7.75	15.74	0.0086	20.70	39.51	-15.03	
80	120			1.53	0.79	930.17	3.22	4.86	8.67	82.30	5.51	14.84	0.0069	21.29	39.88	-15.37	
81	121		7/2 ⁻	1.57	0.65	932.98	2.81	6.03	0.00	2.56	95.13	15.24	0.0108	21.32	40.41	-17.25	
82	122			1.57	1.07	936.60	3.62	6.43	86.58	6.32	3.87	15.37	0.0043	21.95	41.43	-18.01	
83	123		5/2 ⁻	1.56	0.94	935.99	-0.62	3.01	0.69	1.71	89.60	19.34	0.0038	21.96	41.93	-15.12	
84	124			1.56	0.86	937.17	1.18	0.56	0.00	0.41	83.21	18.25	0.0037	22.55	42.60	-13.70	
85	125		3/2	1.55	0.88	936.18	-0.98	0.19	0.03	0.46	0.72	20.47	0.0034	22.56	43.12	-13.83	
86	126			1.54	0.89	936.83	0.64	-0.34	0.00	...	...	19.36	0.0031	23.18	43.80	-13.96	
87	127		1/2	1.46	0.86	935.21	-1.62	-0.97	...	...	...	21.84	0.0017	22.78	43.90	-13.85	
88	128			1.43	0.87	935.06	-0.15	-1.77	0.00	0.00	0.00	20.58	0.0016	23.29	44.84	-13.74	
89	129		1/2	1.40	0.89	933.53	-1.52	-1.67	0.00	0.00	0.00	22.27	0.0016	23.63	45.75	-13.93	
90	130			1.35	0.83	934.37	0.83	-0.69	0.00	0.00	0.00	20.54	0.0014	23.98	45.95	-15.85	
91	131		3/2 ⁺	1.34	0.85	933.58	-0.79	0.05	0.00	0.00	...	22.18	0.0015	24.26	47.12	-17.50	
92	132			1.32	0.82	934.12	0.54	-0.25	0.00	0.00	0.00	21.31	0.0011	24.68	47.36	-17.41	
93	133		3/2 ⁻	1.31	0.85	932.96	-1.16	-0.62	...	...	...	23.14	0.0010	24.60	47.92	-18.20	
94	134			1.30	0.83	933.36	0.40	-0.76	0.00	0.00	0.00	22.05	0.0010	25.22		-18.31	
95	135		5/2 ⁺	1.29	0.85	931.78	-1.59	-1.18	0.00	0.00	...	24.08	0.0009	25.22		-18.44	
96	136			1.28	0.82	931.93	0.15	-1.44	0.00	0.00	0.00	22.92	0.0008				
97	137		5/2 ⁻	1.27	0.83	930.30	-1.63	-1.48	0.00	0.00	0.00	24.75	0.0007				
Z = 41 (Nb)																	
33	74	7/2 ⁺	1/2 ⁻	1.40	1.54	550.81						22.69	0.0028	-4.12	-5.59	-1.79	
34	75	1/2 ⁺		1.34	1.72	569.81	19.00					19.31	0.0050	-4.48	-4.90	-1.46	
35	76	1/2 ⁺	3/2 ⁻	1.33	1.65	586.32	16.51	35.50				21.10	0.0065	-3.58	-3.81	-1.62	
36	77	1/2 ⁺		1.33	1.60	604.88	18.57	35.08				17.23	0.0117	-3.31	-2.72	-1.88	
37	78	1/2 ⁺	3/2 ⁺	1.33	1.55	620.43	15.55	34.12				18.88	0.0101	-2.46	-1.65	-2.02	
38	79	1/2 ⁺		1.32	1.51	637.97	17.54	33.09				14.77	0.0357	-2.12	-0.43	-2.07	
39	80	1/2 ⁺	5/2 ⁺	1.31	1.47	652.34	14.37	31.91				16.13	0.0409	-1.19	1.17	-1.96	
40	81	1/2 ⁺		1.31	1.43	668.25	15.91	30.28				11.46	0.2100	-1.00	2.62	-1.56	
41	82	1/2 ⁺	1/2 ⁺	1.31	1.41	680.80	12.55	28.46				10.72	0.6634	0.30	4.16	-1.34	
42	83	7/2 ⁺		1.38	1.53	694.74	13.94	26.48				7.72	1.5440	2.43	5.34	-0.81	
43	84	1/2	3/2	1.46	1.66	705.17	10.44	24.37				11.28	0.2152	1.93	7.04	-0.23	
44	85	1/2		1.47	1.65	719.34	14.17	24.60				7.47	4.2936	2.11	8.11	-1.64	
45	86	1/2	5/2	1.47	1.61	730.57	11.23	25.40				9.46	3.1350	2.98	9.15	-4.14	
46	87	1/2		1.48	1.53	743.93	13.36	24.59				5.93	19.8254	3.13	10.16	-4.41	
47	88	1/2	7/2	1.48	1.44	754.61	10.68	24.04				7.79	38.0107	3.97	11.17	-4.90	
48	89	1/2		1.48	1.35	767.31	12.70	23.38				4.20	> 100	4.13	12.20	-5.24	
49	90	1/2	9/2	1.49	1.33	777.23	9.92	22.62				6.09	> 100	4.93	13.27	-5.49	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 41$ (Nb)																	
50	91	1/2		1.51	1.41	789.04	11.81	21.73				0.71	> 100	4.93	14.07	-5.64	
51	92	1/2 ⁺	1/2 ⁺	1.54	1.27	796.56	7.52	19.33	100.00	0.00	0.00	±	±	6.03	15.24	-4.31	
52	93	1/2		1.53	1.18	805.53	8.97	16.49				...	β -stable	6.09	16.14	-2.27	
53	94	1/2	3/2	1.54	1.19	812.16	6.63	15.60	100.00	0.00	0.00	±	±	6.88	17.03	-2.54	
54	95	1/2 ⁺		1.55	1.21	820.50	8.34	14.98	100.00	0.00	0.00	1.23	> 100	7.09	17.81	-2.82	
55	96	3/2 ⁺	3/2 ⁺	1.49	1.20	827.04	6.54	14.88	100.00	0.00	0.00	3.93	43.7515	7.95	18.94	-3.62	
56	97	3/2 ⁻		1.45	1.22	835.29	8.25	14.79	100.00	0.00	0.00	2.20	> 100	8.04	19.59	-4.30	
57	98	3/2 ⁻	1/2 ⁻	1.37	1.24	841.34	6.04	14.29	100.00	0.00	0.00	5.03	> 100	8.63	20.17	-4.94	
58	99	3/2 ⁻		1.35	1.22	849.38	8.05	14.09	100.00	0.00	0.00	3.08	> 100	8.64	20.91	-5.38	
59	100	3/2 ⁻	3/2 ⁻	1.32	1.20	855.22	5.84	13.89	100.00	0.00	0.00	5.82	> 100	9.29	21.65	-5.77	
60	101	1/2 ⁺		1.31	1.17	862.86	7.64	13.48	100.00	0.00	0.00	3.98	11.3105	9.49	22.61	-6.09	
61	102	1/2 ⁺	5/2 ⁻	1.31	1.14	868.28	5.42	13.06	100.00	0.00	0.00	6.72	10.6018	10.24	23.50	-6.41	
62	103	1/2 ⁺		1.31	1.13	875.21	6.93	12.35	100.00	0.00	0.00	5.33	9.1218	10.39	24.41	-6.66	
63	104	1/2 ⁺	3/2 ⁺	1.31	1.12	879.97	4.76	11.69	100.00	0.00	0.00	8.14	3.0779	11.09	25.20	-6.90	
64	105	1/2 ⁺		1.32	1.11	886.18	6.20	10.97	99.72	0.28	0.00	6.90	4.1880	11.16	26.00	-7.08	
65	106	1/2 ⁺	5/2 ⁺	1.32	1.09	890.50	4.32	10.53	99.73	0.27	0.00	9.51	0.1912	11.81	26.71	-7.43	
66	107	1/2 ⁺		1.32	1.08	896.32	5.82	10.14	95.58	4.42	0.00	8.10	0.7768	11.89	27.45	-7.85	
67	108	3/2 ⁻	1/2 ⁺	1.32	1.05	900.36	4.04	9.86	84.39	15.61	0.00	10.55	0.4685	12.46	28.14	-8.27	
68	109	5/2 ⁻		1.32	1.01	905.94	5.58	9.62	86.40	13.60	0.00	9.13	0.4610	12.56	28.90	-8.77	
69	110	5/2 ⁻	7/2 ⁻	1.32	0.99	909.67	3.73	9.31	80.98	18.93	0.09	11.68	0.3502	13.22	29.70	-9.16	
70	111	5/2 ⁻		1.32	0.97	914.55	4.88	8.61	8.30	91.70	0.00	10.60	0.2033	13.38	30.46	-9.22	
71	112	1/2 ⁺	1/2 ⁻	1.33	1.01	917.55	3.00	7.88	25.30	73.42	1.28	13.14	0.1010	14.06	31.28	-9.28	
72	113	1/2 ⁺		1.35	0.99	921.19	3.64	6.64	9.45	88.41	2.14	11.93	0.0579	13.63	31.58	-8.80	
73	114	7/2 ⁺	5/2 ⁻	1.50	1.08	923.93	2.73	6.38	41.35	52.46	6.19	14.61	0.0225	15.00	33.01	-9.36	
74	115	7/2 ⁺		1.51	1.04	928.36	4.43	7.16	35.76	63.30	0.88	13.30	0.0151	15.08	34.04	-10.44	
75	116	7/2 ⁺	5/2 ⁻	1.52	0.99	931.25	2.89	7.32	33.76	56.27	9.91	15.50	0.0147	15.85	35.19	-12.04	
76	117	7/2 ⁺		1.52	0.93	935.42	4.17	7.06	29.88	67.43	2.41	14.29	0.0110	15.91	35.80	-12.81	
77	118	7/2 ⁺	3/2 ⁻	1.53	0.90	938.13	2.71	6.88	30.13	44.94	24.53	16.34	0.0111	16.54	36.45	-13.77	
78	119	7/2 ⁺		1.53	0.84	941.91	3.78	6.49	0.00	93.02	5.82	15.36	0.0086	16.60	37.22	-13.99	
79	120	7/2 ⁺	1/2 ⁻	1.52	0.82	944.23	2.32	6.10	0.10	50.25	47.88	17.45	0.0081	17.28	37.98	-14.25	
80	121	7/2 ⁺		1.52	0.82	947.44	3.21	5.53	0.00	76.91	18.81	16.69	0.0062	17.27	38.55	-14.45	
81	122	9/2 ⁺	1/2 ⁻	1.61	0.65	951.19	3.75	6.96	0.00	38.70	57.30	16.78	0.0123	18.21	39.53	-16.64	
82	123	1/2 ⁺		1.61	1.08	954.55	3.36	7.11	27.02	62.09	6.19	17.21	0.0048	17.95	39.90	-17.37	
83	124	9/2 ⁺	7/2 ⁻	1.60	0.95	954.63	0.08	3.44	0.00	29.28	58.45	21.31	0.0035	18.64	40.60	-14.67	
84	125	9/2 ⁺		1.60	0.87	955.87	1.24	1.32	0.00	0.05	28.64	20.20	0.0038	18.70	41.26	-12.92	
85	126	1/2 ⁺	3/2 ⁻	1.59	0.88	955.41	-0.46	0.77	0.00	0.00	0.94	22.35	0.0033	19.22	41.79	-13.08	
86	127	1/2		1.57	0.90	956.27	0.86	0.40	0.00	...	...	21.14	0.0033	19.44	42.62	-13.36	
87	128	3/2	1/2	1.48	0.88	954.86	-1.41	-0.55	...	...	...	23.81	0.0015	19.65	42.43	-12.94	
88	129	3/2		1.43	0.87	955.02	0.16	-1.25	0.00	0.00	0.00	21.84	0.0019	19.96	43.25	-13.08	
89	130	3/2	1/2	1.40	0.90	954.12	-0.90	-0.74	0.00	0.00	...	23.92	0.0019	20.59	44.22	-13.40	
90	131	3/2 ⁻		1.36	0.85	954.98	0.86	-0.04	0.00	0.00	0.00	22.21	0.0017	20.62	44.59	-14.92	
91	132	3/2 ⁻	3/2 ⁺	1.35	0.86	954.66	-0.33	0.53	...	...	...	23.86	0.0018	21.07	45.33	-16.45	
92	133	3/2 ⁻		1.33	0.82	955.32	0.66	0.33	0.00	...	...	22.75	0.0014	21.19	45.88	-16.63	
93	134	3/2 ⁻	3/2 ⁻	1.32	0.86	954.64	-0.68	-0.02	...	...	...	24.61	0.0012	21.67	46.28	-17.02	
94	135	3/2 ⁻		1.31	0.85	955.07	0.44	-0.24	0.00	...	...	23.51	0.0012	21.71	46.93	-17.34	
95	136	3/2 ⁻	5/2 ⁺	1.29	0.85	954.07	-1.01	-0.57	...	...	...	25.44	0.0011	22.29	47.51	-17.41	
96	137	5/2 ⁺		1.29	0.84	954.27	0.20	-0.80	0.00	0.00	0.00	24.25	0.0009	22.34		-17.83	
97	138	5/2 ⁺	5/2 ⁻	1.27	0.84	953.18	-1.09	-0.89	0.00	0.00	...	26.09	0.0008	22.88		-18.33	
98	139	5/2 ⁻		1.26	0.81	953.25	0.07	-1.02	0.00	0.00	0.00	24.91	0.0008				
99	140	5/2 ⁻	1/2 ⁻	1.25	0.82	952.08	-1.17	-1.10	0.00	0.00	...	26.63	0.0007				
$Z = 42$ (Mo)																	
35	77		9/2 ⁺	1.36	1.56	585.05						19.06	0.0041	-1.27	-4.85	-1.82	
36	78			1.35	1.55	603.76	18.71					15.90	0.0069	-1.13	-4.44	-1.18	
37	79		3/2 ⁻	1.35	1.55	618.88	15.12	33.84				18.31	0.0050	-1.55	-4.01	-0.69	
38	80			1.31	1.51	638.22	19.34	34.47				13.34	0.0479	0.25	-1.87	-1.73	
39	81		5/2 ⁺	1.30	1.48	652.68	14.46	33.80				14.79	0.0317	0.34	-0.85	-1.49	
40	82			1.34	1.56	668.58	15.90	30.36				11.43	0.0665	0.33	-0.67	-0.19	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 42$ (Mo)																	
41	83		7/2 ⁺	1.34	1.55	682.06	13.47	29.38				11.90	0.0882	1.26	1.56	-0.23	> 10 ²⁰
42	84			1.45	1.66	696.98	14.92	28.39				7.41	1.0659	2.24	4.67	0.57	
43	85		3/2 ⁺	1.46	1.67	708.96	11.98	26.90				9.60	0.3685	3.79	5.72	-0.16	
44	86			1.46	1.66	724.01	15.05	27.03				5.78	8.3734	4.66	6.77	-3.40	
45	87		5/2 ⁺	1.46	1.62	735.38	11.37	26.42				7.77	3.3624	4.81	7.79	-3.84	
46	88			1.47	1.54	749.62	14.24	25.62				4.21	> 100	5.69	8.82	-4.10	
47	89		7/2 ⁺	1.47	1.45	760.45	10.83	25.08				6.07	15.3835	5.84	9.81	-4.57	
48	90			1.47	1.35	774.01	13.55	24.38				2.44	> 100	6.70	10.82	-4.90	
49	91		9/2 ⁺	1.48	1.34	784.06	10.05	23.61				4.20	> 100	6.83	11.76	-5.12	
50	92			1.47	1.42	796.88	12.82	22.87				...	β -stable	7.84	12.77	-5.40	
51	93		1/2 ⁺	1.50	1.27	804.37	7.49	20.31				0.38	> 100	7.81	13.83	-3.78	> 10 ²⁰
52	94			1.53	1.19	814.19	9.82	17.32				...	β -stable	8.66	14.76	-1.79	
53	95		3/2 ⁺	1.54	1.20	820.95	6.76	16.58				...	β -stable	8.79	15.66	-2.12	
54	96			1.54	1.21	830.19	9.24	16.00				...	β -stable	9.69	16.77	-2.46	
55	97		3/2 ⁺	1.47	1.20	836.71	6.51	15.76				0.31		9.66	17.61	-3.12	
56	98			1.45	1.21	845.58	8.87	15.39				...	β -stable	10.29	18.33	-3.87	
57	99		3/2 ⁺	1.42	1.22	851.68	6.10	14.98	100.00	0.00	0.00	1.43	> 100	10.35	18.97	-4.30	
58	100			1.37	1.22	860.26	8.58	14.69				...	β -stable	10.88	19.52	-4.72	
59	101		3/2 ⁻	1.33	1.21	866.06	5.79	14.38	100.00	0.00	0.00	2.38	> 100	10.83	20.12	-5.05	
60	102			1.32	1.18	874.22	8.16	13.96	100.00	0.00	0.00	0.73	> 100	11.36	20.85	-5.18	
61	103		5/2 ⁻	1.31	1.14	879.76	5.54	13.70	100.00	0.00	0.00	3.49	> 100	11.48	21.71	-5.53	> 10 ²⁰
62	104			1.31	1.12	887.33	7.57	13.11	100.00	0.00	0.00	1.96	> 100	12.12	22.51	-5.66	
63	105		3/2 ⁺	1.30	1.12	892.29	4.96	12.54	100.00	0.00	0.00	4.67	16.1676	12.32	23.41	-5.95	
64	106			1.30	1.12	899.22	6.93	11.89	100.00	0.00	0.00	3.29	16.4004	13.05	24.21	-6.11	
65	107		5/2 ⁺	1.30	1.10	903.64	4.42	11.35	100.00	0.00	0.00	5.99	0.3141	13.14	24.95	-6.46	
66	108			1.30	1.09	910.13	6.49	10.90	100.00	0.00	0.00	4.61	2.1681	13.81	25.70	-6.82	
67	109		1/2 ⁺	1.30	1.06	914.29	4.16	10.65	100.00	0.00	0.00	6.33	1.9888	13.93	26.38	-7.30	
68	110			1.30	1.03	920.57	6.28	10.44	100.00	0.00	0.00	4.89	1.8202	14.63	27.18	-7.84	
69	111		7/2 ⁻	1.29	1.00	924.37	3.81	10.09	99.98	0.02	0.00	7.54	1.1894	14.70	27.92	-8.18	
70	112			1.29	0.99	929.91	5.54	9.35	99.69	0.31	0.00	6.43	0.6316	15.36	28.73	-8.23	
71	113		5/2 ⁻	1.46	1.08	932.34	2.43	7.97	97.13	2.87	0.00	9.92	0.1518	14.79	28.85	-7.59	> 10 ²⁰
72	114			1.46	1.07	937.75	5.41	7.84	97.28	2.72	0.00	8.42	0.1049	16.56	30.19	-8.28	
73	115		1/2 ⁺	1.46	1.07	940.87	3.12	8.53	95.66	4.33	0.01	10.79	0.0553	16.94	31.95	-9.09	
74	116			1.48	1.04	945.97	5.09	8.22	92.42	7.58	0.00	9.42	0.0528	17.61	32.70	-10.11	
75	117		5/2 ⁻	1.49	0.99	948.93	2.96	8.05	87.71	12.07	0.22	11.62	0.0511	17.67	33.52	-11.70	
76	118			1.50	0.94	953.69	4.76	7.72	86.12	13.80	0.08	10.48	0.0314	18.27	34.18	-12.12	
77	119		3/2 ⁻	1.51	0.90	956.48	2.80	7.56	59.03	39.80	1.17	12.54	0.0318	18.35	34.89	-12.78	
78	120			1.51	0.83	960.90	4.41	7.21	70.43	29.05	0.52	11.50	0.0236	18.99	35.59	-13.10	
79	121		1/2 ⁻	1.51	0.82	963.35	2.45	6.86	30.94	65.07	3.99	13.57	0.0222	19.12	36.40	-13.46	
80	122			1.51	0.81	967.19	3.84	6.29	23.42	73.62	2.92	12.75	0.0166	19.75	37.02	-13.59	
81	123		11/2 ⁻	1.65	0.65	970.98	3.79	7.63	0.00	94.16	5.75	12.90	0.0327	19.79	37.99	-15.73	> 10 ²⁰
82	124			1.65	1.09	975.16	4.18	7.97	87.47	10.32	2.21	13.11	0.0106	20.61	38.56	-16.69	
83	125		7/2 ⁻	1.64	0.96	975.29	0.13	4.31	0.47	85.67	11.31	17.27	0.0088	20.66	39.30	-14.01	
84	126			1.64	0.88	976.97	1.68	1.82	0.00	0.21	92.46	16.29	0.0080	21.10	39.81	-12.08	
85	127		3/2 ⁻	1.64	0.91	976.63	-0.34	1.34	0.01	0.63	0.20	18.39	0.0081	21.22	40.45	-12.35	
86	128			1.63	0.94	977.88	1.25	0.91	0.00	0.61	0.00	17.31	0.0068	21.61	41.06	-12.42	
87	129		3/2 ⁻	1.48	0.90	976.07	-1.81	-0.56	0.03	0.05	0.10	20.19	0.0029	21.22	40.87	-11.60	
88	130			1.45	0.89	977.27	1.19	-0.62	0.00	...	...	18.13	0.0033	22.24	42.21	-12.14	
89	131		1/2 ⁺	1.41	0.91	976.42	-0.85	0.34	...	...	...	20.25	0.0027	22.30	42.88	-12.91	
90	132			1.37	0.86	977.73	1.32	0.47	0.00	...	...	18.65	0.0022	22.75	43.37	-14.38	
91	133		3/2 ⁺	1.35	0.87	977.29	-0.45	0.87	...	...	...	20.35	0.0023	22.63	43.70	-15.46	> 10 ²⁰
92	134			1.34	0.84	978.47	1.18	0.73	0.00	...	...	19.25	0.0018	23.15	44.34	-15.80	
93	135		3/2 ⁻	1.33	0.87	977.80	-0.67	0.51	0.11	0.00	2.20	21.29	0.0015	23.16	44.84	-15.92	
94	136			1.31	0.86	978.73	0.93	0.26	0.00	...	...	20.08	0.0015	23.65	45.36	-16.31	
95	137		5/2 ⁺	1.29	0.86	977.74	-0.99	-0.06	...	...	...	22.05	0.0014	23.67	45.96	-16.49	
96	138			1.29	0.85	978.49	0.75	-0.24	0.00	...	...	20.87	0.0013	24.22	46.56	-16.83	
97	139		5/2 ⁻	1.27	0.84	977.38	-1.11	-0.36	...	...	...	22.85	0.0010	24.20	47.08	-17.30	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 42 (Mo)																	
98	140			1.26	0.83	977.93	0.55	-0.56	0.00	0.00	0.00	21.66	0.0010	24.68		-17.71	
99	141		1/2 ⁻	1.25	0.82	976.78	-1.15	-0.60	0.00	0.00	...	23.34	0.0009	24.69		-18.18	
100	142			1.25	0.80	977.25	0.47	-0.68	0.00	0.00	0.00	22.24	0.0008				
101	143		7/2 ⁺	1.24	0.81	976.16	-1.09	-0.62	0.00	0.00	...	23.87	0.0008				
102	144			1.24	0.79	976.59	0.43	-0.66	0.00	0.00	0.00	22.77	0.0007				
Z = 43 (Tc)																	
36	79	5/2 ⁺		1.34	1.56	599.86						18.24	0.0060	-3.90	-5.03	-1.75	
37	80	5/2 ⁺	3/2 ⁻	1.32	1.57	616.00	16.15					21.44	0.0035	-2.88	-4.43	-1.39	
38	81	5/2 ⁺		1.30	1.57	634.26	18.26	34.41				17.63	0.0069	-3.96	-3.71	-1.08	
39	82	5/2 ⁺	9/2 ⁺	1.31	1.56	649.46	15.19	33.45				18.34	0.0097	-3.22	-2.88	-0.73	
40	83	5/2 ⁺		1.29	1.57	666.93	17.47	32.67				14.35	0.0257	-1.66	-1.33	-0.66	
41	84	5/2 ⁺	7/2 ⁺	1.29	1.55	681.30	14.37	31.84				14.89	0.0384	-0.76	0.50	-0.67	
42	85	3/2 ⁺		1.44	1.67	696.32	15.02	29.39				11.85	0.0699	-0.66	1.58	0.23	> 10 ²⁰
43	86	3/2 ⁺	3/2 ⁺	1.44	1.69	709.52	13.20	28.22				13.70	0.0883	0.56	4.35	-0.43	
44	87	3/2 ⁺		1.45	1.68	725.11	15.58	28.79				9.49	0.3379	1.10	5.76	-2.07	
45	88	3/2 ⁺	5/2 ⁺	1.45	1.63	737.29	12.18	27.77				11.55	0.2734	1.91	6.72	-3.82	
46	89	3/2 ⁺		1.45	1.56	751.73	14.44	26.63				7.94	1.5927	2.11	7.80	-4.09	
47	90	3/2 ⁺	7/2 ⁺	1.45	1.46	763.38	11.65	26.09				9.85	2.9848	2.92	8.77	-4.51	
48	91	3/2 ⁺		1.46	1.36	777.07	13.69	25.34				6.20	16.4354	3.07	9.76	-4.84	
49	92	3/2 ⁺	9/2 ⁺	1.46	1.35	787.92	10.85	24.54				8.17	59.6744	3.86	10.69	-5.01	
50	93	3/2 ⁺		1.47	1.43	800.88	12.96	23.81				2.71	> 100	4.00	11.84	-5.27	
51	94	3/2 ⁺	1/2 ⁺	1.45	1.28	809.13	8.25	21.21				4.28	> 100	4.76	12.57	-3.60	
52	95	3/2 ⁺		1.46	1.19	819.07	9.94	18.19				1.10	> 100	4.88	13.54	-1.74	
53	96	3/2 ⁺	3/2 ⁺	1.52	1.20	826.59	7.52	17.46	100.00	0.00	0.00	±	±	5.64	14.43	-1.73	
54	97	1/2 ⁻		1.44	1.19	836.24	9.65	17.17				...	β -stable	6.05	15.73	-2.41	
55	98	5/2 ⁺	3/2 ⁺	1.43	1.20	843.40	7.16	16.81	100.00	0.00	0.00	±	±	6.69	16.35	-2.94	
56	99	5/2 ⁺		1.43	1.21	852.33	8.93	16.09	100.00	0.00	0.00	0.21	> 100	6.75	17.04	-3.53	
57	100	5/2 ⁺	3/2 ⁺	1.40	1.22	859.13	6.80	15.74	100.00	0.00	0.00	±	±	7.45	17.80	-3.80	
58	101	5/2 ⁺		1.39	1.22	867.66	8.52	15.33	100.00	0.00	0.00	1.43	> 100	7.39	18.28	-4.07	
59	102	5/2 ⁺	3/2 ⁻	1.34	1.21	874.17	6.51	15.03	100.00	0.00	0.00	4.10	42.3451	8.11	18.94	-4.53	
60	103	3/2 ⁻		1.33	1.18	882.46	8.30	14.80	100.00	0.00	0.00	2.31	> 100	8.24	19.60	-4.78	
61	104	3/2 ⁻	3/2 ⁺	1.32	1.17	888.51	6.05	14.35	100.00	0.00	0.00	5.09	> 100	8.75	20.23	-4.99	
62	105	3/2 ⁻		1.32	1.15	896.18	7.67	13.72	100.00	0.00	0.00	3.47	> 100	8.85	20.97	-5.02	
63	106	3/2 ⁻	5/2 ⁻	1.31	1.13	901.73	5.55	13.22	100.00	0.00	0.00	6.21	> 100	9.43	21.75	-5.15	
64	107	3/2 ⁻		1.31	1.13	908.85	7.13	12.68	100.00	0.00	0.00	4.72	> 100	9.63	22.68	-5.35	
65	108	3/2 ⁻	5/2 ⁺	1.30	1.11	913.96	5.11	12.23	100.00	0.00	0.00	7.37	0.8556	10.32	23.46	-5.69	
66	109	5/2 ⁺		1.41	1.17	919.83	5.87	10.98	99.99	0.01	0.00	6.74	0.3783	9.70	23.51	-5.36	
67	110	5/2 ⁺	9/2 ⁻	1.41	1.14	924.67	4.84	10.72	99.78	0.22	0.00	8.94	0.3209	10.39	24.32	-5.88	
68	111	5/2 ⁺		1.41	1.12	931.13	6.45	11.30	99.62	0.38	0.00	7.45	0.1908	10.56	25.19	-6.52	
69	112	5/2 ⁺	7/2 ⁻	1.41	1.10	935.56	4.43	10.89	99.10	0.90	0.00	10.14	0.1589	11.19	25.89	-6.91	
70	113	5/2 ⁺		1.41	1.09	941.48	5.92	10.35	97.39	2.61	0.00	8.76	0.1080	11.57	26.93	-7.25	
71	114	5/2 ⁺	5/2 ⁻	1.41	1.08	945.39	3.90	9.83	94.26	5.74	0.00	11.43	0.0878	13.05	27.84	-7.42	
72	115	5/2 ⁺		1.42	1.07	950.88	5.49	9.40	82.96	17.04	0.00	9.93	0.0676	13.13	29.69	-8.03	
73	116	5/2 ⁺	1/2 ⁺	1.42	1.06	954.61	3.73	9.22	79.63	20.32	0.05	12.32	0.0465	13.73	30.68	-8.76	
74	117	5/2 ⁺		1.43	1.03	959.76	5.15	8.88	72.03	27.97	0.00	10.99	0.0394	13.79	31.40	-10.27	
75	118	5/2 ⁺	5/2 ⁻	1.45	0.99	963.39	3.62	8.78	71.75	27.65	0.60	13.21	0.0381	14.46	32.13	-11.16	
76	119	5/2 ⁺		1.46	0.93	968.24	4.86	8.48	67.46	32.45	0.09	12.02	0.0258	14.55	32.82	-11.59	
77	120	5/2 ⁺	3/2 ⁻	1.47	0.88	971.61	3.37	8.23	66.37	31.68	1.95	14.16	0.0250	15.13	33.48	-12.06	
78	121	5/2 ⁺		1.47	0.82	976.14	4.53	7.90	53.83	45.45	0.72	13.16	0.0188	15.24	34.23	-12.43	
79	122	5/2 ⁺	1/2 ⁻	1.47	0.84	979.16	3.02	7.55	29.38	64.17	6.45	15.28	0.0175	15.81	34.93	-12.73	
80	123	5/2 ⁺		1.48	0.83	983.09	3.93	6.95	27.71	68.56	3.54	14.49	0.0133	15.90	35.66	-12.89	
81	124	3/2 ⁺	11/2 ⁻	1.66	0.65	987.49	4.40	8.33	53.40	40.84	5.65	15.52	0.0182	16.51	36.30	-14.97	
82	125	7/2 ⁺		1.66	1.11	991.78	4.28	8.68	46.47	50.83	2.68	15.13	0.0091	16.62	37.22	-16.04	
83	126	7/2 ⁺	7/2 ⁻	1.65	0.97	992.48	0.70	4.99	0.00	44.77	52.71	19.31	0.0077	17.19	37.85	-12.99	
84	127	9/2 ⁺		1.65	0.90	994.24	1.76	2.46	0.00	44.54	42.14	18.26	0.0073	17.26	38.37	-11.39	
85	128	3/2 ⁺	3/2 ⁻	1.64	0.91	994.42	0.18	1.94	0.00	0.00	42.99	20.41	0.0068	17.78	39.01	-11.49	
86	129	3/2 ⁺		1.56	0.91	995.48	1.06	1.24	0.00	0.01	0.37	19.59	0.0043	17.59	39.21	-11.31	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 43$ (Tc)																	
87	130	1/2 ⁻	3/2 ⁻	1.47	0.91	994.61	-0.87	0.20	0.01	0.01	0.36	22.38	0.0030	18.54	39.75	-10.91	
88	131	1/2		1.44	0.89	995.88	1.27	0.40	0.00	...	...	20.10	0.0036	18.62	40.86	-11.32	
89	132	1/2 ⁻	1/2 ⁺	1.41	0.92	995.60	-0.28	0.99	...	...	...	21.97	0.0032	19.18	41.48	-12.44	
90	133	5/2 ⁺		1.38	0.87	996.86	1.26	0.98	0.00	...	...	20.50	0.0021	19.12	41.87	-13.54	
91	134	5/2 ⁺	3/2 ⁺	1.36	0.86	996.94	0.08	1.34	...	...	...	22.05	0.0022	19.65	42.28	-14.52	
92	135	5/2 ⁺		1.35	0.83	998.30	1.37	1.45	0.03	...	...	20.68	0.0021	19.84	42.99	-15.02	
93	136	5/2 ⁺	3/2 ⁻	1.33	0.88	998.02	-0.28	1.09	0.00	0.00	0.09	22.79	0.0016	20.23	43.39	-15.07	
94	137	5/2 ⁺		1.32	0.86	999.01	0.99	0.71	0.00	...	...	21.56	0.0017	20.29	43.94	-15.40	
95	138	5/2 ⁺	5/2 ⁺	1.30	0.87	998.57	-0.44	0.55	...	...	...	23.52	0.0016	20.83	44.50	-15.64	
96	139	3/2 ⁻		1.29	0.85	999.45	0.88	0.43	0.00	...	...	22.26	0.0015	20.96	45.18	-16.08	
97	140	3/2 ⁻	5/2 ⁻	1.28	0.85	998.81	-0.64	0.24	...	...	...	24.25	0.0013	21.43	45.63	-16.45	
98	141	3/2 ⁻		1.27	0.84	999.33	0.52	-0.11	0.00	...	...	23.17	0.0012	21.40	46.08	-16.77	
99	142	3/2 ⁻	1/2 ⁻	1.26	0.84	998.71	-0.63	-0.10	...	...	...	24.87	0.0011	21.93	46.62	-17.23	
100	143	3/2 ⁻		1.25	0.82	999.25	0.54	-0.09	0.00	0.00	0.00	23.65	0.0010	22.00		-17.70	
101	144	3/2 ⁻	7/2 ⁺	1.25	0.82	998.58	-0.67	-0.13	...	...	...	25.31	0.0010	22.42		-18.20	
102	145	3/2 ⁻		1.25	0.81	998.95	0.37	-0.30	0.00	0.00	0.00	24.19	0.0009	22.36			
103	146	3/2 ⁻	5/2 ⁻	1.24	0.81	997.64	-1.31	-0.94	...	...	...	26.38	0.0007				
104	147	3/2 ⁻		1.24	0.81	996.99	-0.65	-1.96	0.00	0.00	0.00	25.67	0.0006				
$Z = 44$ (Ru)																	
37	81		1/2 ⁻	1.28	1.56	614.53						18.95	0.0045	-1.48	-4.36	-1.18	
38	82			1.25	1.57	633.67	19.14					15.01	0.0117	-0.59	-4.55	-1.62	
39	83		1/2 ⁻	1.40	1.55	647.74	14.07	33.21				18.41	0.0037	-1.72	-4.94	-0.56	
40	84			1.39	1.60	666.01	18.27	32.34				14.51	0.0109	-0.92	-2.58	0.51	> 10 ²⁰
41	85		1/2 ⁺	1.44	1.63	680.57	14.56	32.83				14.97	0.0201	-0.74	-1.49	0.41	> 10 ²⁰
42	86			1.44	1.68	698.16	17.59	32.15				10.58	0.0864	1.84	1.18	-1.28	
43	87		3/2 ⁺	1.44	1.69	711.88	13.72	31.32				12.44	0.0651	2.36	2.93	-1.53	
44	88			1.44	1.69	728.64	16.76	30.48				7.86	0.7270	3.54	4.64	-3.37	
45	89		5/2 ⁺	1.44	1.65	741.03	12.38	29.14				9.92	0.2944	3.74	5.65	-3.77	
46	90			1.44	1.57	756.28	15.26	27.64				6.31	5.1089	4.55	6.66	-3.98	
47	91		7/2 ⁺	1.45	1.47	768.08	11.80	27.05				8.21	1.1871	4.70	7.63	-4.41	
48	92			1.45	1.38	782.63	14.55	26.34				4.51	> 100	5.55	8.62	-4.71	
49	93		9/2 ⁺	1.45	1.36	793.61	10.98	25.53				6.49	7.9956	5.69	9.55	-4.86	
50	94			1.47	1.44	807.36	13.75	24.74				0.98	> 100	6.49	10.49	-5.06	
51	95		1/2 ⁺	1.41	1.28	815.68	8.32	22.07				2.61	> 100	6.55	11.31	-3.33	
52	96			1.41	1.19	826.40	10.72	19.04				...	β -stable	7.33	12.21	-1.23	
53	97		3/2 ⁺	1.43	1.20	834.04	7.64	18.36				1.41	> 100	7.45	13.10	-1.38	
54	98			1.40	1.19	844.45	10.41	18.05				...	β -stable	8.21	14.26	-1.96	
55	99		3/2 ⁺	1.38	1.20	851.75	7.30	17.71				...	β -stable	8.36	15.05	-2.51	
56	100			1.38	1.20	861.40	9.64	16.94				...	β -stable	9.07	15.82	-2.91	
57	101		3/2 ⁺	1.37	1.21	868.30	6.91	16.55				...	β -stable	9.17	16.62	-3.30	
58	102			1.37	1.22	877.48	9.18	16.09				...	β -stable	9.82	17.22	-3.61	
59	103		3/2 ⁺	1.33	1.22	883.99	6.51	15.69	100.00	0.00	0.00	0.67	> 100	9.82	17.93	-4.01	
60	104			1.33	1.20	892.82	8.83	15.34				...	β -stable	10.35	18.59	-4.26	
61	105		3/2 ⁺	1.32	1.17	898.86	6.05	14.87	100.00	0.00	0.00	1.55	> 100	10.35	19.10	-4.51	
62	106			1.31	1.17	907.15	8.29	14.33	100.00	0.00	0.00	0.17	> 100	10.97	19.82	-4.63	
63	107		5/2 ⁻	1.31	1.14	912.79	5.64	13.93	100.00	0.00	0.00	2.76	> 100	11.06	20.50	-4.74	
64	108			1.31	1.15	920.55	7.76	13.40	100.00	0.00	0.00	1.46	> 100	11.69	21.32	-4.92	
65	109		5/2 ⁻	1.30	1.13	925.78	5.24	13.00	100.00	0.00	0.00	3.59	> 100	11.83	22.14	-5.20	
66	110			1.37	1.17	932.84	7.05	12.29	100.00	0.00	0.00	2.54	28.6275	13.00	22.71	-5.32	
67	111		9/2 ⁻	1.36	1.14	937.79	4.96	12.01	100.00	0.00	0.00	5.30	16.8776	13.12	23.51	-5.86	
68	112			1.36	1.12	944.92	7.12	12.09	100.00	0.00	0.00	3.80	4.3085	13.79	24.35	-6.50	
69	113		7/2 ⁻	1.36	1.10	949.46	4.53	11.66	100.00	0.00	0.00	6.49	2.9492	13.90	25.08	-6.87	
70	114			1.36	1.09	956.04	6.58	11.12	100.00	0.00	0.00	5.07	1.3290	14.56	26.13	-7.18	
71	115		5/2 ⁻	1.36	1.07	960.02	3.98	10.57	99.98	0.02	0.00	7.79	0.9103	14.64	27.68	-7.35	
72	116			1.37	1.07	966.15	6.13	10.11	99.89	0.11	0.00	6.28	0.5496	15.27	28.40	-7.94	
73	117		1/2 ⁺	1.37	1.07	969.97	3.82	9.94	99.52	0.48	0.00	8.72	0.1820	15.36	29.09	-9.33	
74	118			1.39	1.06	975.81	5.84	9.66	98.59	1.41	0.00	7.28	0.2229	16.05	29.84	-9.76	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 44 (Ru)																	
75	119		5/2 ⁻	1.41	1.00	979.48	3.67	9.52	97.17	2.83	0.00	9.53	0.2027	16.10	30.56	-10.31	
76	120			1.43	0.95	984.98	5.50	9.17	96.42	3.58	0.00	8.35	0.1160	16.75	31.30	-10.72	
77	121		3/2 ⁻	1.44	0.88	988.52	3.53	9.04	94.45	5.55	0.00	10.48	0.1094	16.91	32.03	-11.30	
78	122			1.44	0.83	993.65	5.13	8.67	93.09	6.91	0.00	9.46	0.0761	17.52	32.76	-11.67	
79	123		1/2 ⁻	1.46	0.82	996.80	3.15	8.28	76.16	23.69	0.15	11.60	0.0684	17.65	33.46	-12.02	
80	124			1.64	0.78	1002.23	5.43	8.58	91.53	8.47	0.00	9.91	0.0539	19.14	35.04	-13.04	
81	125		11/2 ⁻	1.64	0.65	1006.12	3.89	9.32	93.01	6.86	0.13	11.53	0.0908	18.64	35.15	-14.48	
82	126			1.64	1.12	1011.00	4.88	8.77	87.19	12.81	0.00	11.12	0.0342	19.23	35.84	-15.52	
83	127		7/2 ⁻	1.63	0.98	1011.72	0.71	5.59	0.43	95.97	3.60	15.43	0.0260	19.24	36.43	-12.44	
84	128			1.63	0.91	1014.04	2.33	3.04	0.00	83.03	15.35	14.29	0.0252	19.81	37.07	-10.59	
85	129		3/2 ⁻	1.62	0.93	1014.28	0.24	2.57	0.34	0.27	81.72	16.52	0.0233	19.87	37.65	-10.70	
86	130			1.62	0.96	1016.21	1.92	2.16	0.00	0.39	0.00	15.41	0.0198	20.73	38.32	-10.94	
87	131		1/2 ⁻	1.47	0.93	1015.20	-1.00	0.92	0.01	0.01	22.94	17.90	0.0049	20.59	39.13	-10.28	
88	132			1.44	0.91	1016.78	1.58	0.58	0.00	0.01	0.05	16.32	0.0062	20.90	39.52	-10.60	
89	133		1/2 ⁺	1.41	0.93	1016.58	-0.21	1.38	1.58	0.00	0.09	18.23	0.0053	20.98	40.16	-12.21	
90	134			1.38	0.88	1018.20	1.62	1.42	0.00	0.48	0.00	16.91	0.0039	21.35	40.47	-12.64	
91	135		3/2 ⁺	1.37	0.87	1018.21	0.00	1.63	1.09	0.00	0.82	18.63	0.0038	21.27	40.92	-13.49	
92	136			1.35	0.83	1020.03	1.82	1.83	0.00	0.66	0.47	17.18	0.0033	21.73	41.56	-14.00	
93	137		3/2 ⁻	1.34	0.87	1019.79	-0.24	1.58	0.07	2.05	6.86	19.36	0.0024	21.77	41.99	-14.21	
94	138			1.32	0.86	1021.31	1.52	1.28	0.00	1.50	0.28	18.24	0.0023	22.30	42.59	-14.55	
95	139		5/2 ⁺	1.31	0.87	1020.92	-0.39	1.13	0.04	0.00	1.12	20.11	0.0023	22.35	43.18	-14.83	
96	140			1.29	0.86	1022.28	1.36	0.96	0.00	0.55	0.05	18.88	0.0019	22.83	43.79	-15.25	
97	141		5/2 ⁻	1.29	0.85	1021.72	-0.56	0.80	0.08	0.00	1.38	20.91	0.0016	22.91	44.34	-15.68	
98	142			1.28	0.84	1022.79	1.08	0.52	0.00	...	...	19.78	0.0015	23.46	44.86	-16.01	
99	143		1/2 ⁻	1.26	0.84	1022.12	-0.68	0.40	...	...	...	21.58	0.0014	23.41	45.34	-16.44	
100	144			1.26	0.82	1023.11	0.99	0.32	0.00	...	...	20.50	0.0012	23.86	45.86	-16.88	
101	145		7/2 ⁺	1.25	0.83	1022.36	-0.75	0.24	...	...	...	22.24	0.0012	23.78	46.20	-17.28	
102	146			1.24	0.81	1023.23	0.88	0.13	0.00	...	...	21.05	0.0010	24.29	46.65	-17.69	
103	147		5/2 ⁻	1.24	0.81	1021.88	-1.35	-0.48	...	...	...	23.23	0.0009	24.25		-17.43	
104	148			1.23	0.81	1021.92	0.04	-1.32	0.00	0.00	0.00	22.36	0.0007	24.93		-17.04	
105	149		7/2 ⁻	1.23	0.84	1020.14	-1.78	-1.74	0.00	0.00	0.00	24.14	0.0007				
106	150			1.22	0.82	1020.17	0.03	-1.75	0.00	0.00	0.00	22.99	0.0007				
Z = 45 (Rh)																	
38	83	3/2 ⁺		1.24	1.57	629.80						17.15	0.0103	-3.86	-4.46	-1.65	
39	84	5/2 ⁺	1/2 ⁻	1.37	1.54	645.17	15.36					20.06	0.0046	-2.57	-4.29	-0.87	
40	85	5/2 ⁺		1.36	1.60	663.57	18.41	33.77				16.21	0.0105	-2.44	-3.36	-1.01	
41	86	5/2 ⁺	1/2 ⁺	1.36	1.64	678.87	15.29	33.70				18.51	0.0101	-1.70	-2.43	-1.11	
42	87	5/2 ⁺		1.36	1.68	696.66	17.79	33.09				14.44	0.0221	-1.50	0.34	-1.44	
43	88	5/2 ⁺	3/2 ⁺	1.36	1.70	711.18	14.52	32.32				16.68	0.0179	-0.70	1.66	-1.59	
44	89	5/2 ⁺		1.36	1.70	728.14	16.96	31.48				12.10	0.0802	-0.50	3.04	-3.53	
45	90	5/2 ⁺	5/2 ⁺	1.36	1.65	741.65	13.51	30.46				13.85	0.0831	0.62	4.36	-3.83	
46	91	5/2 ⁺		1.36	1.58	757.42	15.77	29.28				9.88	0.4098	1.14	5.69	-4.02	
47	92	5/2 ⁺	7/2 ⁺	1.38	1.48	769.94	12.52	28.29				11.91	0.3475	1.86	6.56	-4.35	
48	93	5/2 ⁺		1.38	1.39	784.63	14.69	27.21				8.20	2.6456	2.00	7.56	-4.60	
49	94	5/2 ⁺	9/2 ⁺	1.38	1.37	796.37	11.75	26.44				10.21	4.7289	2.77	8.45	-4.70	
50	95	5/2 ⁺		1.40	1.45	810.25	13.88	25.62				4.65	35.0071	2.89	9.38	-4.88	
51	96	5/2 ⁺	1/2 ⁺	1.38	1.29	819.47	9.22	23.10				6.15	> 100	3.79	10.34	-3.25	
52	97	5/2 ⁺		1.37	1.19	830.42	10.95	20.17				2.84	> 100	4.02	11.35	-1.25	
53	98	5/2 ⁺	3/2 ⁺	1.32	1.18	839.01	8.59	19.54				4.66	78.2056	4.97	12.42	-1.59	
54	99	5/2 ⁺		1.31	1.19	849.19	10.17	18.77				1.78	> 100	4.74	12.95	-1.82	
55	100	5/2 ⁺	3/2 ⁺	1.31	1.20	857.27	8.08	18.25				3.35	> 100	5.51	13.87	-2.38	
56	101	1/2 ⁻		1.33	1.20	866.99	9.72	17.80				0.53	> 100	5.59	14.66	-2.46	
57	102	1/2 ⁻	3/2 ⁺	1.32	1.21	874.60	7.61	17.34	100.00	0.00	0.00	±	±	6.30	15.47	-2.91	
58	103	1/2 ⁻		1.31	1.22	883.87	9.27	16.89				...	β-stable	6.39	16.22	-3.25	
59	104	1/2 ⁻	1/2 ⁻	1.31	1.23	890.90	7.03	16.30	100.00	0.00	0.00	±	±	6.91	16.74	-3.47	
60	105	1/2 ⁻		1.32	1.24	899.64	8.73	15.76	100.00	0.00	0.00	0.60	> 100	6.82	17.17	-3.68	
61	106	1/2 ⁻	3/2 ⁺	1.31	1.21	906.53	6.90	15.63	100.00	0.00	0.00	3.13	> 100	7.67	18.02	-4.07	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 45 (Rh)																	
62	107	1/2 ⁻		1.31	1.23	914.77	8.23	15.13	100.00	0.00	0.00	1.71	> 100	7.62	18.59	-4.01	
63	108	1/2 ⁻	5/2 ⁺	1.30	1.19	921.22	6.45	14.69	100.00	0.00	0.00	4.23	46.7471	8.43	19.50	-4.41	
64	109	3/2 ⁺		1.32	1.21	928.59	7.37	13.82	100.00	0.00	0.00	3.37	16.2374	8.04	19.73	-4.11	
65	110	3/2 ⁺	1/2 ⁺	1.32	1.19	934.59	6.00	13.37	100.00	0.00	0.00	5.96	2.4346	8.81	20.63	-4.57	
66	111	3/2 ⁺		1.32	1.17	942.31	7.72	13.73	100.00	0.00	0.00	3.87	3.1172	9.48	22.48	-5.16	
67	112	3/2 ⁺	9/2 ⁻	1.31	1.14	947.93	5.62	13.34	100.00	0.00	0.00	6.66	2.2262	10.14	23.26	-5.68	
68	113	3/2 ⁺		1.31	1.12	955.17	7.23	12.85	100.00	0.00	0.00	5.14	1.0072	10.25	24.04	-7.04	
69	114	3/2 ⁺	7/2 ⁻	1.31	1.11	960.33	5.16	12.40	100.00	0.00	0.00	7.88	0.7448	10.88	24.77	-7.36	
70	115	3/2 ⁺		1.31	1.10	967.03	6.70	11.86	99.95	0.05	0.00	6.38	0.4647	10.99	25.55	-7.60	
71	116	3/2 ⁺	5/2 ⁻	1.31	1.09	971.65	4.62	11.32	99.76	0.24	0.00	9.17	0.3289	11.62	26.26	-7.79	
72	117	3/2 ⁺		1.32	1.09	977.91	6.26	10.88	99.27	0.73	0.00	7.59	0.2307	11.76	27.02	-8.13	
73	118	3/2 ⁺	1/2 ⁺	1.33	1.09	982.31	4.41	10.66	99.21	0.79	0.00	10.10	0.1308	12.35	27.70	-8.63	
74	119	3/2 ⁺		1.34	1.06	988.23	5.92	10.33	97.27	2.73	0.00	8.72	0.1069	12.42	28.47	-9.06	
75	120	3/2 ⁺	5/2 ⁻	1.36	1.03	992.55	4.32	10.24	97.17	2.83	0.00	11.12	0.0906	13.07	29.16	-9.65	
76	121	3/2 ⁺		1.36	0.97	998.22	5.67	9.99	92.82	7.18	0.00	9.81	0.0629	13.23	29.98	-10.16	
77	122	3/2 ⁺	3/2 ⁻	1.38	0.91	1002.33	4.11	9.78	91.25	8.74	0.01	12.00	0.0585	13.81	30.72	-10.65	
78	123	3/2 ⁺		1.39	0.86	1007.62	5.29	9.40	83.90	16.10	0.00	10.80	0.0489	13.97	31.48	-11.09	
79	124	3/2 ⁺	1/2 ⁻	1.40	0.83	1011.36	3.74	9.03	80.48	19.21	0.30	13.32	0.0360	14.55	32.20	-11.45	
80	125	5/2 ⁺		1.60	0.78	1016.87	5.51	9.25	71.65	28.31	0.03	12.01	0.0277	14.64	33.78	-12.44	
81	126	5/2 ⁺	11/2 ⁻	1.59	0.67	1021.34	4.47	9.98	72.98	26.78	0.24	13.82	0.0373	15.21	33.85	-13.89	
82	127	5/2 ⁺		1.59	1.13	1026.36	5.02	9.49	68.55	31.26	0.19	12.95	0.0220	15.36	34.58	-14.97	
83	128	5/2 ⁺	7/2 ⁻	1.58	0.99	1027.55	1.19	6.22	0.00	91.57	8.42	17.22	0.0184	15.84	35.07	-11.77	
84	129	9/2 ⁺		1.58	0.91	1030.03	2.47	3.66	0.00	64.81	32.66	16.20	0.0166	15.98	35.79	-9.95	
85	130	5/2 ⁺	3/2 ⁻	1.57	0.93	1030.83	0.81	3.28	0.00	0.00	63.46	18.44	0.0155	16.55	36.42	-10.06	
86	131	5/2 ⁺		1.50	0.93	1032.32	1.48	2.29	0.00	0.30	4.90	17.75	0.0077	16.11	36.84	-9.78	
87	132	5/2 ⁺	1/2 ⁻	1.44	0.93	1032.32	0.00	1.49	0.00	0.00	0.92	20.30	0.0032	17.11	37.71	-9.61	
88	133	5/2 ⁺		1.42	0.92	1034.03	1.71	1.71	0.00	...	...	18.18	0.0051	17.24	38.15	-10.25	
89	134	5/2 ⁺	1/2 ⁺	1.40	0.94	1034.33	0.30	2.01	...	...	...	20.03	0.0046	17.75	38.73	-11.42	
90	135	5/2 ⁺		1.38	0.91	1036.06	1.73	2.03	0.01	...	...	18.49	0.0040	17.85	39.20	-11.88	
91	136	1/2 ⁻	3/2 ⁺	1.37	0.87	1036.43	0.37	2.11	0.03	0.00	1.09	20.47	0.0042	18.23	39.50	-12.54	
92	137	1/2 ⁻		1.36	0.85	1038.37	1.94	2.31	0.02	0.25	0.09	18.77	0.0042	18.34	40.07	-13.22	
93	138	1/2 ⁻	3/2 ⁻	1.35	0.87	1038.77	0.40	2.34	0.06	0.05	3.02	20.76	0.0032	18.98	40.74	-13.53	
94	139	1/2 ⁻		1.33	0.88	1040.25	1.48	1.88	0.14	0.19	0.11	19.71	0.0030	18.93	41.24	-13.65	
95	140	1/2	5/2	1.32	0.88	1040.38	0.13	1.61	0.05	0.06	0.28	21.72	0.0024	19.46	41.81	-14.06	
96	141	1/2 ⁻		1.31	0.87	1041.84	1.47	1.60	0.00	0.41	0.00	20.34	0.0024	19.57	42.40	-14.53	
97	142	1/2 ⁺	5/2 ⁻	1.29	0.86	1041.79	-0.05	1.41	0.00	0.00	1.47	22.30	0.0019	20.07	42.98	-14.92	
98	143	1/2 ⁺		1.28	0.85	1042.92	1.13	1.07	0.00	...	...	21.13	0.0018	20.12	43.58	-15.17	
99	144	1/2 ⁺	1/2 ⁻	1.27	0.84	1042.83	-0.09	1.04	...	...	...	22.86	0.0017	20.71	44.12	-15.72	
100	145	1/2 ⁺		1.25	0.81	1043.82	0.99	0.90	0.00	...	...	21.75	0.0015	20.71	44.57	-16.19	
101	146	1/2 ⁺	7/2 ⁺	1.25	0.83	1043.50	-0.31	0.68	...	...	...	23.54	0.0015	21.14	44.93	-16.50	
102	147	1/2 ⁺		1.24	0.81	1044.33	0.83	0.51	0.00	...	...	22.34	0.0013	21.10	45.38	-16.79	
103	148	1/2 ⁺	5/2 ⁻	1.24	0.82	1043.50	-0.83	-0.01	...	...	...	24.45	0.0011	21.61	45.86	-16.62	
104	149	7/2 ⁺		1.23	0.81	1043.50	0.00	-0.83	0.00	...	...	23.68	0.0008	21.58	46.51	-16.25	
105	150	7/2 ⁺	7/2 ⁻	1.22	0.83	1042.38	-1.12	-1.12	0.00	0.00	...	25.44	0.0008	22.24		-16.44	
106	151	7/2 ⁺		1.21	0.82	1042.43	0.05	-1.07	0.00	0.00	0.00	24.29	0.0007	22.26		-17.14	
107	152	7/2 ⁺	1/2 ⁻	1.20	0.82	1041.30	-1.13	-1.08	0.00	0.00	...	25.95	0.0007				
108	153	7/2 ⁺		1.19	0.81	1041.38	0.08	-1.05	0.00	0.00	0.00	24.77	0.0007				
Z = 46 (Pd)																	
40	86			1.27	1.60	663.11						14.97	0.0087	-0.46	-2.89	-1.15	
41	87		1/2 ⁺	1.27	1.64	678.58	15.46					17.30	0.0077	-0.29	-1.99	-2.54	
42	88			1.27	1.69	697.18	18.61	34.07				13.22	0.0196	0.52	-0.98	-2.88	
43	89		3/2 ⁺	1.27	1.71	711.87	14.69	33.30				15.49	0.0159	0.69	-0.01	-3.01	
44	90			1.27	1.70	729.67	17.80	32.49				11.20	0.0683	1.53	1.02	-3.21	
45	91		5/2 ⁺	1.26	1.66	743.67	14.00	31.80				12.97	0.0525	2.02	2.64	-3.49	
46	92			1.26	1.59	760.61	16.94	30.94				8.55	0.5465	3.19	4.32	-3.67	
47	93		7/2 ⁺	1.26	1.49	773.33	12.72	29.66				10.51	0.2238	3.39	5.25	-4.01	
48	94			1.27	1.39	788.99	15.66	28.38				6.60	6.4324	4.36	6.37	-4.41	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 46 (Pd)																	
49	95		9/2 ⁺	1.26	1.38	800.77	11.78	27.44				8.70	0.9210	4.40	7.16	-4.39	
50	96			1.29	1.45	815.56	14.79	26.57				3.13	> 100	5.31	8.19	-4.64	
51	97		1/2 ⁺	1.26	1.29	824.78	9.22	24.00				4.86	> 100	5.30	9.10	-2.87	
52	98			1.28	1.19	836.55	11.78	21.00				1.68	> 100	6.14	10.15	-0.89	
53	99		3/2 ⁺	1.26	1.20	844.91	8.35	20.13				3.50	> 100	5.89	10.86	-0.93	
54	100			1.24	1.20	856.03	11.12	19.47				0.45	> 100	6.84	11.58	-1.33	
55	101		3/2 ⁺	1.22	1.20	864.25	8.22	19.34				1.96	> 100	6.99	12.50	-1.91	
56	102			1.25	1.20	874.72	10.47	18.69				...	β -stable	7.73	13.33	-1.98	
57	103		3/2 ⁺	1.25	1.21	882.37	7.65	18.12				0.72	> 100	7.77	14.07	-2.32	
58	104			1.26	1.21	892.32	9.95	17.60				...	β -stable	8.45	14.84	-2.63	
59	105		5/2 ⁺	1.28	1.22	899.45	7.13	17.08				...	β -stable	8.55	15.46	-2.85	
60	106			1.30	1.23	908.88	9.43	16.56				...	β -stable	9.25	16.06	-3.10	
61	107		5/2 ⁺	1.28	1.25	915.70	6.81	16.25	100.00	0.00	0.00	...	β -stable	9.16	16.83	-3.41	
62	108			1.29	1.25	924.67	8.98	15.79				...	β -stable	9.90	17.52	-3.56	
63	109		5/2 ⁺	1.27	1.22	931.18	6.51	15.48	100.00	0.00	0.00	0.83	> 100	9.96	18.39	-4.02	
64	110			1.28	1.23	939.77	8.59	15.10				...	β -stable	11.19	19.23	-4.33	
65	111		1/2 ⁺	1.26	1.19	945.40	5.63	14.22	100.00	0.00	0.00	2.33	42.1325	10.81	19.61	-4.31	
66	112			1.28	1.18	953.81	8.41	14.04	100.00	0.00	0.00	0.37	> 100	11.50	20.98	-4.97	
67	113		9/2 ⁻	1.27	1.16	959.52	5.71	14.12	100.00	0.00	0.00	3.11	> 100	11.59	21.73	-5.44	
68	114			1.27	1.14	967.42	7.90	13.61	100.00	0.00	0.00	1.61	> 100	12.26	22.50	-6.29	
69	115		7/2 ⁻	1.27	1.12	972.63	5.21	13.11	100.00	0.00	0.00	4.41	> 100	12.30	23.18	-6.54	
70	116			1.27	1.11	980.04	7.41	12.61	100.00	0.00	0.00	2.83	76.3127	13.01	24.00	-6.82	
71	117		5/2 ⁻	1.27	1.09	984.71	4.67	12.08	100.00	0.00	0.00	5.68	19.6292	13.06	24.69	-6.96	
72	118			1.28	1.10	991.63	6.92	11.60	100.00	0.00	0.00	4.02	10.9499	13.73	25.48	-7.30	
73	119		1/2 ⁺	1.28	1.10	996.17	4.54	11.46	100.00	0.00	0.00	6.65	1.0563	13.86	26.20	-7.85	
74	120			1.30	1.10	1002.88	6.71	11.25	100.00	0.00	0.00	4.89	2.6311	14.65	27.07	-8.44	
75	121		5/2 ⁻	1.33	1.06	1007.24	4.36	11.07	100.00	0.00	0.00	7.34	1.8219	14.70	27.76	-8.98	
76	122			1.36	1.01	1013.55	6.31	10.67	99.97	0.03	0.00	5.92	1.0605	15.33	28.57	-9.45	
77	123		3/2 ⁻	1.37	0.94	1017.64	4.08	10.39	99.59	0.41	0.00	8.79	0.5163	15.31	29.12	-9.86	
78	124			1.52	1.03	1023.90	6.26	10.35	99.97	0.03	0.00	7.28	0.4084	16.28	30.25	-10.62	
79	125		9/2 ⁻	1.52	0.94	1028.10	4.20	10.46	93.78	6.22	0.00	9.73	0.3987	16.74	31.29	-11.28	
80	126			1.52	0.88	1034.38	6.28	10.48	99.65	0.35	0.00	8.13	0.2499	17.50	32.15	-12.43	
81	127		11/2 ⁻	1.51	0.81	1038.53	4.15	10.43	90.05	9.95	0.00	10.21	0.3223	17.19	32.40	-13.43	
82	128			1.51	1.09	1043.99	5.46	9.61	82.13	17.87	0.00	9.47	0.1250	17.63	32.98	-13.46	
83	129		7/2 ⁻	1.50	1.00	1045.45	1.46	6.92	0.51	97.19	2.29	13.59	0.1117	17.89	33.73	-11.02	
84	130			1.50	0.92	1048.49	3.05	4.51	0.02	95.95	4.03	12.54	0.0982	18.47	34.45	-9.19	
85	131		3/2 ⁻	1.50	0.94	1049.29	0.80	3.84	0.72	0.05	94.88	14.85	0.0882	18.46	35.00	-9.27	
86	132			1.50	0.98	1051.83	2.55	3.34	0.00	0.26	62.46	13.66	0.0691	19.52	35.62	-9.49	
87	133		1/2 ⁻	1.41	0.94	1051.43	-0.41	2.14	0.01	0.00	77.76	16.72	0.0068	19.11	36.22	-8.85	
88	134			1.40	0.93	1053.57	2.14	1.74	0.00	...	...	14.57	0.0121	19.54	36.78	-9.07	
89	135		3/2 ⁻	1.37	0.94	1053.76	0.19	2.34	...	...	...	16.86	0.0053	19.44	37.19	-10.26	
90	136			1.38	0.94	1056.12	2.35	2.55	0.28	...	...	15.04	0.0075	20.06	37.91	-11.03	
91	137		3/2 ⁺	1.38	0.89	1056.36	0.24	2.60	1.67	0.00	21.72	17.27	0.0054	19.93	38.15	-11.49	
92	138			1.37	0.85	1058.74	2.38	2.63	0.52	14.72	7.35	15.41	0.0055	20.37	38.71	-12.24	
93	139		3/2 ⁻	1.35	0.88	1059.17	0.43	2.81	3.06	0.02	32.95	17.29	0.0044	20.41	39.38	-12.67	
94	140			1.34	0.88	1061.31	2.14	2.57	0.47	15.42	8.05	16.12	0.0045	21.06	40.00	-12.99	
95	141		5/2 ⁺	1.33	0.88	1061.40	0.09	2.23	0.67	0.36	13.70	18.26	0.0038	21.03	40.48	-13.32	
96	142			1.31	0.87	1063.31	1.90	2.00	0.00	6.10	8.59	16.94	0.0034	21.47	41.03	-13.70	
97	143		5/2 ⁻	1.30	0.86	1063.26	-0.05	1.86	0.03	1.21	10.68	18.92	0.0026	21.48	41.55	-14.05	
98	144			1.29	0.85	1064.90	1.64	1.59	0.00	2.72	4.68	17.77	0.0025	21.99	42.11	-14.33	
99	145		1/2 ⁻	1.27	0.84	1064.78	-0.12	1.52	0.12	2.92	4.34	19.58	0.0023	21.96	42.67	-14.77	
100	146			1.26	0.82	1066.26	1.48	1.36	0.00	2.19	1.72	18.48	0.0019	22.44	43.15	-15.17	
101	147		7/2 ⁺	1.25	0.83	1065.89	-0.38	1.10	0.03	0.00	0.50	20.40	0.0018	22.38	43.53	-15.47	
102	148			1.24	0.82	1067.17	1.28	0.91	0.00	0.40	0.26	19.21	0.0016	22.84	43.93	-15.76	
103	149		5/2 ⁻	1.23	0.82	1066.40	-0.77	0.51	0.16	0.00	0.56	21.28	0.0013	22.90	44.51	-15.74	
104	150			1.22	0.81	1067.03	0.63	-0.14	0.00	...	...	20.43	0.0011	23.53	45.11	-15.50	
105	151		7/2 ⁻	1.21	0.83	1065.93	-1.10	-0.47	...	...	...	22.30	0.0010	23.55	45.79	-15.75	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 46 (Pd)																	
106	152			1.20	0.83	1066.46	0.53	-0.57	0.00	0.00	0.00	21.11	0.0009	24.04	46.30	-16.25	
107	153		1/2 ⁻	1.19	0.83	1065.37	-1.10	-0.56	0.00	0.00	...	22.84	0.0009	24.07		-16.93	
108	154			1.18	0.81	1065.97	0.60	-0.49	0.00	0.00	0.00	21.65	0.0008	24.59		-17.51	
109	155		1/2 ⁻	1.17	0.78	1064.84	-1.13	-0.52	...	...	...	23.47	0.0008				
110	156			1.16	0.77	1065.36	0.52	-0.61	0.00	0.00	0.00	22.31	0.0007				
Z = 47 (Ag)																	
41	88	7/2 ⁺	1/2 ⁺	1.16	1.64	676.00						20.40	0.0051	-2.58	-2.87	-2.54	
42	89	7/2 ⁺		1.16	1.69	694.80	18.80					16.28	0.0107	-2.38	-1.86	-2.94	
43	90	7/2 ⁺	3/2 ⁺	1.15	1.71	710.31	15.50	34.31				18.58	0.0099	-1.56	-0.88	-3.15	
44	91	7/2 ⁺		1.15	1.71	728.26	17.95	33.46				14.62	0.0246	-1.40	0.12	-3.31	
45	92	7/2	5/2	1.15	1.67	743.00	14.73	32.69				16.83	0.0205	-0.67	1.35	-3.52	
46	93	7/2 ⁺		1.14	1.60	760.12	17.12	31.85				12.43	0.0942	-0.49	2.69	-3.68	
47	94	7/2 ⁺	7/2 ⁺	1.14	1.49	773.96	13.84	30.96				14.26	0.0771	0.62	4.02	-4.01	
48	95	7/2 ⁺		1.14	1.39	789.95	16.00	29.84				10.04	0.6511	0.96	5.32	-4.24	
49	96	7/2 ⁺	9/2 ⁺	1.14	1.38	802.64	12.68	28.68				12.14	0.4568	1.87	6.26	-4.40	
50	97	7/2 ⁺		1.15	1.44	817.29	14.65	27.34				6.70	8.4479	1.74	7.04	-4.37	
51	98	7/2 ⁺	1/2 ⁺	1.14	1.29	827.59	10.30	24.96				8.18	22.4299	2.82	8.12	-2.92	
52	99	7/2 ⁺		1.14	1.19	839.37	11.78	22.08				4.75	30.6118	2.82	8.95	-0.82	
53	100	7/2 ⁺	3/2 ⁺	1.13	1.20	848.68	9.31	21.08				6.57	59.6807	3.77	9.66	-0.91	
54	101	7/2 ⁺		1.14	1.20	859.77	11.09	20.40				3.69	95.8276	3.74	10.59	-1.06	
55	102	7/2 ⁺	3/2 ⁺	1.10	1.19	868.79	9.02	20.11				5.15	> 100	4.54	11.53	-1.48	
56	103	7/2 ⁺		1.12	1.20	879.24	10.45	19.47				2.34	> 100	4.52	12.25	-1.76	
57	104	7/2 ⁺	3/2 ⁺	1.18	1.20	887.50	8.26	18.71				4.04	> 100	5.13	12.90	-1.94	
58	105	7/2 ⁺		1.18	1.21	897.54	10.04	18.30				1.13	> 100	5.22	13.67	-2.26	
59	106	7/2 ⁺	5/2 ⁺	1.20	1.22	905.34	7.80	17.84	100.00	0.00	0.00	±	±	5.89	14.44	-2.44	
60	107	7/2 ⁺		1.25	1.23	914.79	9.45	17.24				0.13		5.90	15.15	-2.62	
61	108	7/2 ⁺	1/2 ⁻	1.25	1.24	922.15	7.37	16.81	100.00	0.00	0.00	±	±	6.46	15.62	-2.95	
62	109	7/2 ⁺		1.26	1.25	931.22	9.07	16.44				...	β-stable	6.55	16.46	-3.29	
63	110	7/2 ⁺	3/2 ⁻	1.27	1.25	938.23	7.01	16.08	100.00	0.00	0.00	±	±	7.05	17.01	-3.40	
64	111	7/2 ⁺		1.27	1.25	946.94	8.71	15.72	100.00	0.00	0.00	0.99	> 100	7.17	18.36	-3.88	
65	112	1/2 ⁺	1/2 ⁺	1.24	1.20	953.39	6.45	15.16	100.00	0.00	0.00	3.90	8.2606	7.99	18.80	-3.88	
66	113	1/2 ⁺		1.25	1.18	961.85	8.46	14.91	100.00	0.00	0.00	2.12	43.7664	8.04	19.54	-4.97	
67	114	1/2 ⁺	9/2 ⁻	1.25	1.16	968.25	6.40	14.86	100.00	0.00	0.00	4.72	14.5901	8.73	20.32	-5.36	
68	115	1/2 ⁺		1.25	1.15	976.26	8.01	14.41	100.00	0.00	0.00	2.98	6.6211	8.84	21.09	-5.65	
69	116	1/2 ⁺	7/2 ⁻	1.24	1.12	982.08	5.82	13.83	100.00	0.00	0.00	5.73	3.7570	9.45	21.75	-5.85	
70	117	1/2 ⁺		1.24	1.12	989.61	7.53	13.35	100.00	0.00	0.00	4.07	2.5051	9.57	22.58	-6.15	
71	118	1/2 ⁺	5/2 ⁻	1.25	1.11	994.87	5.26	12.78	100.00	0.00	0.00	7.03	1.3567	10.15	23.22	-6.24	
72	119	1/2 ⁺		1.24	1.12	1002.04	7.17	12.43	100.00	0.00	0.00	5.20	0.9455	10.41	24.13	-6.71	
73	120	7/2 ⁺	7/2 ⁻	1.30	1.14	1006.98	4.95	12.12	100.00	0.00	0.00	8.45	0.5645	10.81	24.67	-7.04	
74	121	7/2 ⁺		1.32	1.14	1013.81	6.82	11.77	99.92	0.08	0.00	6.91	0.4057	10.92	25.57	-7.60	
75	122	7/2 ⁺	9/2 ⁻	1.32	1.10	1018.69	4.89	11.71	99.89	0.11	0.00	9.65	0.2027	11.45	26.14	-8.08	
76	123	3/2 ⁺		1.34	1.10	1025.65	6.95	11.84	99.42	0.58	0.00	7.62	0.2151	12.09	27.43	-9.12	
77	124	3/2 ⁺	3/2 ⁻	1.33	1.02	1030.40	4.75	11.70	98.77	1.23	0.00	10.63	0.1180	12.76	28.06	-9.55	
78	125	9/2 ⁺		1.42	1.10	1037.04	6.64	11.39	94.71	5.30	0.00	8.95	0.1146	13.14	29.42	-10.52	
79	126	9/2 ⁺	11/2 ⁻	1.41	1.00	1041.72	4.68	11.33	94.49	5.51	0.00	11.27	0.1160	13.63	30.36	-11.10	
80	127	3/2 ⁺		1.41	0.89	1047.96	6.23	10.92	92.52	7.48	0.00	9.77	0.0826	13.58	31.08	-12.04	
81	128	7/2 ⁺	11/2 ⁻	1.41	0.83	1052.68	4.72	10.95	91.89	8.11	0.01	11.98	0.0922	14.15	31.34	-13.02	
82	129	9/2 ⁺		1.41	1.10	1058.25	5.57	10.30	87.86	12.14	0.00	11.22	0.0470	14.27	31.89	-13.08	
83	130	3/2 ⁺	7/2 ⁻	1.40	1.01	1060.25	2.00	7.57	0.16	97.77	2.08	15.38	0.0417	14.81	32.70	-10.62	
84	131	5/2 ⁺		1.40	0.93	1063.36	3.11	5.11	0.00	85.61	14.33	14.30	0.0392	14.87	33.33	-8.70	
85	132	9/2 ⁺	3/2 ⁻	1.40	0.95	1064.71	1.36	4.46	0.00	0.00	97.54	16.61	0.0339	15.43	33.88	-8.86	
86	133	7/2 ⁺		1.39	0.98	1067.36	2.65	4.01	0.00	0.00	80.32	15.29	0.0317	15.53	35.05	-9.04	
87	134	7/2 ⁺	1/2 ⁻	1.36	0.95	1067.36	-0.01	2.64	0.00	0.00	75.55	18.44	0.0049	15.93	35.04	-8.23	
88	135	7/2 ⁺		1.35	0.96	1069.84	2.48	2.48	0.00	0.00	11.58	16.99	0.0068	16.27	35.81	-9.23	
89	136	7/2 ⁺	3/2 ⁻	1.34	0.95	1070.37	0.53	3.01	0.00	0.00	51.64	19.41	0.0031	16.61	36.04	-9.76	
90	137	7/2 ⁺		1.34	0.96	1072.84	2.47	3.01	0.00	...	...	16.92	0.0057	16.73	36.79	-10.52	
91	138	7/2 ⁺	3/2 ⁺	1.37	0.91	1073.37	0.52	3.00	...	...	...	19.14	0.0045	17.01	36.94	-10.75	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 47 (Ag)																	
92	139	1/2 ⁺		1.36	0.85	1075.68	2.32	2.84	0.64	...	...	16.96	0.0064	16.94	37.31	-11.33	
93	140	1/2 ⁺	3/2 ⁻	1.35	0.88	1076.65	0.97	3.29	1.72	0.01	12.15	18.75	0.0052	17.48	37.89	-11.93	
94	141	1/2 ⁺		1.34	0.88	1078.88	2.23	3.20	2.13	0.69	0.01	17.51	0.0055	17.57	38.63	-12.22	
95	142	1/2 ⁺	5/2 ⁺	1.33	0.88	1079.46	0.58	2.81	2.08	0.10	3.06	19.69	0.0045	18.06	39.09	-12.40	
96	143	1/2 ⁺		1.32	0.87	1081.40	1.93	2.52	0.65	1.85	2.05	18.35	0.0039	18.09	39.55	-12.85	
97	144	1/2 ⁻	5/2 ⁻	1.31	0.85	1081.89	0.49	2.42	0.17	0.00	9.76	20.30	0.0032	18.62	40.10	-13.21	
98	145	1/2 ⁻		1.29	0.84	1083.58	1.69	2.18	0.25	0.27	0.00	19.09	0.0031	18.68	40.66	-13.44	
99	146	1/2 ⁻	1/2 ⁻	1.29	0.85	1083.96	0.38	2.07	0.26	0.10	5.59	20.92	0.0029	19.17	41.13	-13.87	
100	147	1/2 ⁻		1.27	0.83	1085.50	1.55	1.92	0.20	0.38	0.01	19.77	0.0025	19.24	41.69	-14.29	
101	148	7/2 ⁺	7/2 ⁺	1.25	0.83	1085.59	0.09	1.64	0.02	0.08	0.00	21.73	0.0019	19.71	42.09	-14.47	
102	149	7/2 ⁺		1.24	0.82	1086.90	1.30	1.39	0.01	0.10	0.00	20.59	0.0017	19.73	42.57	-14.78	
103	150	1/2 ⁺	5/2 ⁻	1.23	0.82	1086.68	-0.22	1.08	0.00	0.00	1.09	22.53	0.0017	20.28	43.18	-14.88	
104	151	1/2 ⁺		1.22	0.81	1087.45	0.77	0.56	0.00	...	...	21.63	0.0014	20.42	43.95	-14.82	
105	152	1/2 ⁻	7/2 ⁻	1.21	0.85	1086.79	-0.66	0.11	...	...	...	23.56	0.0011	20.86	44.41	-15.00	
106	153	1/2 ⁻		1.20	0.84	1087.43	0.64	-0.02	0.00	...	...	22.36	0.0011	20.96	45.00	-15.63	
107	154	1/2 ⁻	1/2 ⁻	1.18	0.84	1086.84	-0.59	0.05	...	...	...	24.02	0.0011	21.47	45.54	-16.17	
108	155	1/2 ⁻		1.17	0.81	1087.53	0.69	0.10	0.00	0.00	0.00	22.75	0.0010	21.56	46.15	-16.81	
109	156	1/2 ⁻	1/2 ⁻	1.17	0.80	1086.89	-0.64	0.05	...	...	...	24.58	0.0009	22.05		-17.29	
110	157	1/2 ⁻		1.17	0.78	1087.47	0.58	-0.06	0.00	...	...	23.44	0.0009	22.10		-17.79	
111	158	1/2 ⁻	3/2 ⁻	1.16	0.77	1086.86	-0.61	-0.03	...	...	...	25.06	0.0008				
112	159	1/2 ⁻		1.16	0.75	1087.30	0.44	-0.16	0.00	0.00	0.00	23.99	0.0008				
113	160	1/2 ⁻	7/2 ⁻	1.16	0.76	1086.18	-1.12	-0.68	...	...	...	25.97	0.0007				
Z = 48 (Cd)																	
42	90			1.01	1.69	694.28						15.25	0.0080	-0.53	-2.91	-2.87	
43	91		3/2 ⁺	1.01	1.72	709.95	15.67					17.54	0.0072	-0.36	-1.93	-3.07	
44	92			1.01	1.71	728.73	18.78	34.45				13.49	0.0202	0.46	-0.94	-3.25	
45	93		5/2 ⁺	1.00	1.67	743.69	14.96	33.74				15.65	0.0161	0.69	0.02	-3.52	
46	94			1.00	1.60	761.60	17.91	32.87				11.58	0.0731	1.48	0.99	-3.63	
47	95		7/2 ⁺	1.00	1.50	775.91	14.31	32.22				13.26	0.0512	1.95	2.58	-3.94	
48	96			1.00	1.40	793.15	17.25	31.56				8.70	0.8379	3.20	4.16	-4.25	
49	97		9/2 ⁺	0.99	1.38	805.90	12.74	29.99				10.61	0.2029	3.26	5.12	-4.27	
50	98			1.00	1.46	821.61	15.72	28.46				5.20	39.2988	4.32	6.05	-4.32	
51	99		1/2 ⁺	1.00	1.29	831.70	10.09	25.81				6.89	39.8255	4.11	6.93	-2.63	
52	100			1.00	1.19	844.48	12.78	22.87				3.42	> 100	5.11	7.92	-0.62	
53	101		3/2 ⁺	0.99	1.20	853.61	9.13	21.91				5.38	> 100	4.93	8.70	-0.54	
54	102			0.99	1.21	865.24	11.64	20.77				2.77	> 100	5.47	9.22	-0.40	
55	103		1/2 ⁺	0.99	1.20	874.39	9.14	20.78				4.07	92.3510	5.59	10.14	-1.18	
56	104			1.03	1.21	885.51	11.12	20.26				1.21	> 100	6.26	10.78	-1.18	
57	105		3/2 ⁺	1.05	1.20	894.08	8.57	19.69				2.68	> 100	6.58	11.71	-1.53	
58	106			1.08	1.21	904.75	10.67	19.24				...	β -stable	7.20	12.42	-1.73	
59	107		5/2 ⁺	1.13	1.22	912.72	7.98	18.65				1.28	> 100	7.39	13.27	-2.06	
60	108			1.18	1.22	922.91	10.19	18.17				...	β -stable	8.13	14.03	-2.29	
61	109		5/2 ⁺	1.20	1.23	930.42	7.50	17.69				0.03	> 100	8.26	14.72	-2.67	
62	110			1.22	1.24	940.12	9.71	17.21				...	β -stable	8.90	15.45	-2.95	
63	111		1/2 ⁺	1.24	1.25	947.15	7.02	16.73				...	β -stable	8.91	15.97	-3.16	
64	112			1.24	1.26	956.51	9.36	16.39				...	β -stable	9.57	16.74	-3.54	
65	113		3/2 ⁻	1.24	1.26	963.19	6.68	16.04	100.00	0.00	0.00	0.36	> 100	9.80	17.79	-3.71	
66	114			1.24	1.26	972.20	9.01	15.69				...	β -stable	10.34	18.39	-4.13	
67	115		9/2 ⁻	1.22	1.18	978.46	6.26	15.27	100.00	0.00	0.00	1.40	> 100	10.20	18.93	-4.76	
68	116			1.22	1.16	987.03	8.57	14.83				...	β -stable	10.77	19.60	-4.92	
69	117		7/2 ⁻	1.23	1.14	992.90	5.88	14.45	100.00	0.00	0.00	2.56	> 100	10.82	20.27	-5.08	
70	118			1.22	1.14	1001.11	8.21	14.08	100.00	0.00	0.00	0.88	> 100	11.50	21.07	-5.39	
71	119		5/2 ⁻	1.23	1.12	1006.45	5.34	13.55	100.00	0.00	0.00	4.01	> 100	11.59	21.74	-5.52	
72	120			1.27	1.21	1014.65	8.20	13.54	100.00	0.00	0.00	2.04	> 100	12.61	23.02	-6.32	
73	121		7/2 ⁻	1.27	1.18	1019.93	5.28	13.48	100.00	0.00	0.00	4.93	36.0833	12.94	23.76	-6.92	
74	122			1.27	1.21	1027.56	7.63	12.91	100.00	0.00	0.00	3.17	16.6160	13.76	24.68	-7.64	
75	123		9/2 ⁻	1.27	1.15	1032.49	4.93	12.56	100.00	0.00	0.00	6.17	6.4875	13.80	25.24	-8.02	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 48 (Cd)																	
76	124			1.30	1.26	1040.24	7.75	12.68	100.00	0.00	0.00	4.03	28.9227	14.59	26.69	-9.06	
77	125		7/2 ⁻	1.30	1.20	1045.21	4.97	12.72	100.00	0.00	0.00	6.79	11.6306	14.81	27.57	-9.67	
78	126			1.31	1.11	1052.22	7.01	11.98	100.00	0.00	0.00	5.22	5.3689	15.18	28.32	-10.37	
79	127		9/2 ⁻	1.31	1.00	1056.94	4.73	11.73	99.97	0.03	0.00	7.97	2.5072	15.22	28.85	-11.01	
80	128			1.31	0.89	1063.87	6.93	11.66	99.30	0.70	0.00	6.31	1.0021	15.92	29.50	-11.68	
81	129		11/2 ⁻	1.31	0.84	1068.68	4.81	11.74	99.93	0.07	0.00	8.59	3.1477	16.01	30.16	-12.29	
82	130			1.31	1.10	1074.85	6.16	10.98	98.19	1.81	0.00	7.43	1.1232	16.60	30.86	-12.18	
83	131		7/2 ⁻	1.31	1.01	1076.88	2.03	8.19	0.74	99.26	0.00	11.61	0.9430	16.63	31.43	-10.06	
84	132			1.31	0.94	1080.55	3.67	5.70	0.01	99.75	0.24	10.65	0.6330	17.19	32.05	-8.26	
85	133		3/2 ⁻	1.31	0.96	1081.87	1.33	5.00	0.92	0.47	98.60	13.09	0.5110	17.16	32.59	-8.13	
86	134			1.30	0.99	1085.02	3.14	4.47	0.00	0.17	93.32	11.72	0.3681	17.66	33.19	-8.23	
87	135		3/2 ⁻	1.30	1.02	1086.04	1.02	4.17	0.83	0.03	53.70	13.96	0.3130	18.68	34.62	-8.46	
88	136			1.30	1.05	1089.00	2.96	3.98	0.00	0.20	44.36	12.50	0.1574	19.16	35.43	-8.87	
89	137		3/2 ⁻	1.31	0.99	1088.98	-0.01	2.94	0.00	54.24	38.11	15.47	0.0085	18.62	35.22	-9.26	
90	138			1.30	0.99	1091.72	2.74	2.72	0.00	18.14	59.66	13.39	0.0164	18.88	35.61	-9.86	
91	139		3/2 ⁺	1.35	0.91	1091.86	0.13	2.87	1.37	0.00	61.24	16.26	0.0073	18.49	35.50	-9.80	
92	140			1.36	0.85	1094.62	2.76	2.89	0.28	37.07	28.88	14.46	0.0067	18.93	35.87	-10.21	
93	141		3/2 ⁻	1.35	0.88	1095.61	0.99	3.75	3.25	10.21	44.53	15.49	0.0075	18.96	36.44	-10.95	
94	142			1.34	0.88	1098.38	2.77	3.76	1.67	28.59	8.80	14.18	0.0083	19.50	37.06	-11.34	
95	143		5/2 ⁺	1.33	0.88	1098.96	0.59	3.35	0.93	6.68	29.44	16.30	0.0069	19.50	37.56	-11.49	
96	144			1.32	0.87	1101.40	2.44	3.03	0.00	36.98	32.56	14.92	0.0061	20.00	38.09	-11.79	
97	145		5/2 ⁻	1.31	0.86	1101.89	0.49	2.93	1.61	9.09	38.88	16.97	0.0043	20.00	38.63	-12.19	
98	146			1.30	0.84	1104.10	2.21	2.70	0.00	19.21	20.05	15.74	0.0043	20.52	39.20	-12.49	
99	147		1/2 ⁻	1.28	0.85	1104.50	0.40	2.61	6.21	0.12	21.01	17.56	0.0040	20.54	39.71	-12.94	
100	148			1.28	0.83	1106.54	2.04	2.44	0.00	9.96	14.66	16.43	0.0034	21.03	40.28	-13.34	
101	149		5/2 ⁻	1.26	0.86	1106.70	0.16	2.21	0.86	3.45	13.61	18.34	0.0030	21.11	40.82	-13.62	
102	150			1.25	0.84	1108.42	1.72	1.89	0.00	5.63	5.23	17.30	0.0026	21.53	41.26	-13.87	
103	151		5/2 ⁻	1.24	0.81	1108.30	-0.12	1.60	0.06	0.48	9.66	19.18	0.0023	21.62	41.91	-14.12	
104	152			1.23	0.82	1109.56	1.26	1.14	0.00	0.44	4.38	18.21	0.0019	22.11	42.53	-14.10	
105	153		7/2 ⁻	1.21	0.85	1109.01	-0.56	0.70	0.00	0.05	0.83	20.12	0.0016	22.22	43.08	-14.31	
106	154			1.20	0.85	1110.08	1.08	0.52	0.00	0.22	0.03	19.10	0.0014	22.66	43.62	-14.76	
107	155		9/2 ⁺	1.19	0.84	1109.50	-0.58	0.49	0.01	0.00	0.12	20.97	0.0014	22.66	44.13	-15.27	
108	156			1.18	0.82	1110.68	1.18	0.60	0.00	...	...	19.66	0.0012	23.15	44.71	-15.93	
109	157		1/2 ⁻	1.17	0.80	1110.13	-0.56	0.62	...	...	...	21.36	0.0012	23.24	45.28	-16.46	
110	158			1.17	0.79	1111.14	1.01	0.45	0.00	...	...	20.20	0.0011	23.67	45.78	-16.87	
111	159		3/2 ⁻	1.16	0.78	1110.52	-0.62	0.39	...	...	...	21.92	0.0010	23.66		-17.38	
112	160			1.17	0.77	1111.37	0.86	0.23	0.00	...	...	20.61	0.0010	24.07		-17.71	
113	161		7/2 ⁻	1.17	0.78	1110.33	-1.04	-0.19	...	...	...	22.35	0.0009	24.15			
114	162			1.18	0.77	1110.59	0.27	-0.77	0.00	0.00	0.00	21.52	0.0008				
115	163		11/2 ⁺	1.18	0.75	1109.72	-0.88	-0.61	...	...	...	23.25	0.0008				
Z = 49 (In)																	
43	92	9/2 ⁺	3/2 ⁺	0.90	1.72	707.61						20.33	0.0055	-2.33	-2.70	-3.31	
44	93	9/2 ⁺		0.89	1.72	726.60	18.99					16.30	0.0130	-2.12	-1.66	-3.50	
45	94	9/2 ⁺	5/2 ⁺	0.88	1.68	742.36	15.75	34.74				18.46	0.0116	-1.33	-0.64	-3.75	
46	95	9/2 ⁺		0.88	1.61	760.43	18.08	33.83				14.69	0.0327	-1.16	0.31	-3.87	
47	96	9/2 ⁺	7/2 ⁺	0.88	1.50	775.53	15.10	33.17				16.84	0.0248	-0.38	1.57	-4.24	
48	97	9/2 ⁺		0.87	1.40	792.81	17.28	32.38				12.30	0.1704	-0.34	2.86	-4.40	
49	98	9/2 ⁺	9/2 ⁺	0.87	1.38	806.79	13.98	31.26				14.04	0.0931	0.89	4.15	-4.54	
50	99	9/2 ⁺		0.86	1.46	822.90	16.12	30.09				8.02	3.9402	1.29	5.61	-4.66	
51	100	9/2 ⁺	1/2 ⁺	0.87	1.29	833.76	10.86	26.98				9.93	6.6571	2.06	6.17	-2.83	
52	101	9/2 ⁺		0.87	1.19	846.41	12.65	23.51				6.41	19.4538	1.93	7.04	-0.82	
53	102	9/2 ⁺	3/2 ⁺	0.87	1.20	856.48	10.06	22.71				7.99	33.0132	2.87	7.80	-0.59	
54	103	9/2 ⁺		0.86	1.21	868.23	11.75	21.82				5.38	16.2512	2.98	8.46	-0.56	
55	104	9/2 ⁺	1/2 ⁺	0.89	1.22	877.83	9.60	21.36				6.89	9.1402	3.45	9.04	-0.86	
56	105	9/2 ⁺		0.92	1.22	888.95	11.12	20.72				4.34	49.1513	3.44	9.71	-0.88	
57	106	9/2 ⁺	3/2 ⁺	0.99	1.21	898.15	9.20	20.32				5.81	55.2799	4.08	10.65	-1.06	
58	107	9/2 ⁺		0.99	1.22	908.91	10.76	19.96				3.04	> 100	4.16	11.37	-1.37	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 49 (In)																	
59	108	9/2 ⁺	5/2 ⁺	1.07	1.21	917.55	8.64	19.40				4.58	> 100	4.83	12.21	-1.76	
60	109	9/2 ⁺		1.10	1.22	927.80	10.24	18.89				1.84	> 100	4.89	13.01	-1.96	
61	110	9/2 ⁺	5/2 ⁺	1.18	1.23	935.83	8.03	18.28				3.51	> 100	5.41	13.68	-2.19	
62	111	9/2 ⁺		1.21	1.24	945.67	9.84	17.87				0.70	> 100	5.54	14.44	-2.59	
63	112	9/2 ⁺	1/2 ⁺	1.23	1.25	953.30	7.63	17.47	100.00	0.00	0.00	±	±	6.15	15.06	-2.85	
64	113	9/2 ⁺		1.23	1.26	962.77	9.47	17.10				...	β -stable	6.26	15.82	-3.25	
65	114	9/2 ⁺	1/2 ⁺	1.25	1.28	970.01	7.24	16.71	100.00	0.00	0.00	±	±	6.82	16.62	-3.48	
66	115	9/2 ⁺		1.28	1.29	979.08	9.07	16.31	100.00	0.00	0.00	0.36	> 100	6.88	17.23	-3.84	
67	116	9/2 ⁺	1/2 ⁻	1.28	1.30	985.89	6.81	15.88	100.00	0.00	0.00	±	±	7.43	17.63	-4.20	
68	117	9/2 ⁺		1.28	1.32	994.68	8.79	15.60	100.00	0.00	0.00	1.52	80.3215	7.65	18.42	-4.53	
69	118	9/2 ⁺	3/2 ⁻	1.28	1.32	1001.21	6.53	15.32	100.00	0.00	0.00	4.31	57.6370	8.31	19.13	-4.66	
70	119	9/2 ⁺		1.28	1.33	1009.68	8.47	15.00	100.00	0.00	0.00	2.39	14.1517	8.57	20.07	-5.12	
71	120	9/2 ⁺	5/2 ⁻	1.28	1.32	1015.91	6.23	14.70	100.00	0.00	0.00	5.23	8.1170	9.46	21.05	-5.53	
72	121	9/2 ⁺		1.28	1.32	1024.07	8.16	14.40	100.00	0.00	0.00	3.54	3.6010	9.42	22.04	-6.17	
73	122	9/2 ⁺	7/2 ⁻	1.28	1.29	1029.95	5.88	14.04	100.00	0.00	0.00	6.43	2.0957	10.02	22.97	-6.79	
74	123	9/2 ⁺		1.28	1.30	1037.88	7.92	13.80	100.00	0.00	0.00	4.57	1.5413	10.31	24.07	-7.54	
75	124	9/2 ⁺	1/2 ⁺	1.27	1.25	1043.49	5.61	13.54	100.00	0.00	0.00	7.51	0.8010	11.00	24.80	-8.21	
76	125	9/2 ⁺		1.28	1.25	1051.21	7.72	13.34	100.00	0.00	0.00	5.56	0.8619	10.97	25.57	-9.11	
77	126	9/2 ⁺	3/2 ⁺	1.28	1.18	1056.65	5.43	13.16	100.00	0.00	0.00	8.37	0.5388	11.44	26.25	-9.66	
78	127	9/2 ⁺		1.28	1.14	1064.13	7.49	12.92	99.93	0.07	0.00	6.43	0.5737	11.92	27.09	-10.19	
79	128	9/2 ⁺	9/2 ⁻	1.29	1.05	1069.40	5.26	12.75	100.00	0.00	0.00	9.11	0.4516	12.45	27.67	-10.71	
80	129	9/2 ⁺		1.30	0.99	1076.49	7.10	12.36	98.84	1.16	0.00	7.30	0.3185	12.62	28.54	-11.16	
81	130	9/2 ⁺	11/2 ⁻	1.29	0.97	1081.50	5.01	12.10	98.88	1.12	0.00	9.99	0.2064	12.81	28.82	-11.48	
82	131	7/2 ⁺		1.30	1.15	1087.70	6.20	11.21	95.81	4.19	0.00	8.87	0.1471	12.85	29.45	-11.45	
83	132	9/2 ⁺	1/2 ⁻	1.30	1.02	1090.41	2.71	8.91	94.08	5.92	0.00	13.09	0.0961	13.53	30.16	-9.43	
84	133	9/2 ⁺		1.30	0.94	1094.18	3.78	6.48	0.00	99.64	0.36	11.96	0.1405	13.64	30.83	-7.64	
85	134	9/2 ⁺	3/2 ⁻	1.30	0.96	1095.96	1.77	5.55	0.00	0.60	99.40	14.47	0.0985	14.09	31.25	-7.41	
86	135	9/2 ⁺		1.29	1.00	1099.21	3.26	5.03	0.00	86.23	8.26	13.08	0.0896	14.20	31.85	-7.56	
87	136	9/2 ⁺	5/2 ⁻	1.29	1.03	1100.72	1.50	4.76	0.00	0.00	91.64	15.32	0.0709	14.68	33.36	-7.71	
88	137	9/2 ⁺		1.29	1.05	1103.67	2.95	4.45	0.00	0.00	88.00	13.98	0.0474	14.67	33.83	-8.01	
89	138	9/2	5/2	1.28	1.01	1104.33	0.66	3.61	0.00	0.00	88.12	16.88	0.0130	15.35	33.96	-8.68	
90	139	9/2 ⁺		1.28	1.03	1107.34	3.01	3.67	0.00	0.00	87.23	15.17	0.0111	15.61	34.49	-9.20	
91	140	9/2 ⁺	5/2 ⁻	1.27	1.01	1108.29	0.95	3.96	0.00	0.00	86.43	17.57	0.0075	16.43	34.92	-9.63	
92	141	1/2 ⁺		1.34	0.86	1110.32	2.03	2.98	2.19	15.99	21.48	16.18	0.0069	15.70	34.63	-9.18	
93	142	7/2 ⁺	3/2 ⁻	1.34	0.88	1111.78	1.46	3.49	0.00	2.60	59.15	17.92	0.0045	16.17	35.12	-10.11	
94	143	7/2 ⁺		1.33	0.87	1114.48	2.71	4.17	0.00	1.30	5.28	15.63	0.0077	16.11	35.60	-10.51	
95	144	7/2 ⁺	5/2 ⁺	1.32	0.88	1115.54	1.05	3.76	0.57	0.00	30.35	17.90	0.0062	16.57	36.07	-10.59	
96	145	7/2 ⁺		1.32	0.87	1118.07	2.54	3.59	0.00	10.88	3.69	16.44	0.0057	16.67	36.68	-10.90	
97	146	7/2 ⁺	5/2 ⁻	1.31	0.86	1119.06	0.98	3.52	0.00	1.51	45.82	18.43	0.0044	17.17	37.17	-11.30	
98	147	7/2 ⁺		1.31	0.84	1121.28	2.22	3.20	0.01	3.82	9.28	17.21	0.0044	17.18	37.70	-11.59	
99	148	7/2 ⁺	1/2 ⁻	1.29	0.85	1122.19	0.91	3.13	0.03	3.59	14.30	18.95	0.0043	17.69	38.23	-12.01	
100	149	7/2 ⁺		1.28	0.84	1124.26	2.07	2.98	0.05	1.66	7.56	17.84	0.0037	17.72	38.76	-12.38	
101	150	7/2 ⁺	5/2 ⁻	1.28	0.86	1124.94	0.68	2.75	0.05	0.00	6.95	19.72	0.0034	18.23	39.34	-12.69	
102	151	1/2 ⁻		1.26	0.83	1126.70	1.76	2.44	0.34	0.43	3.11	18.64	0.0033	18.27	39.80	-12.90	
103	152	1/2 ⁻	5/2 ⁻	1.25	0.82	1126.99	0.29	2.05	0.34	0.17	0.35	20.61	0.0031	18.69	40.31	-13.10	
104	153	1/2 ⁻		1.24	0.82	1128.34	1.35	1.64	0.31	0.67	0.06	19.63	0.0024	18.78	40.89	-13.15	
105	154	1/2 ⁺	7/2 ⁻	1.22	0.84	1128.40	0.06	1.41	0.00	0.00	1.11	21.39	0.0020	19.39	41.61	-13.43	
106	155	1/2 ⁺		1.21	0.84	1129.69	1.28	1.34	0.00	1.02	0.00	20.14	0.0019	19.60	42.26	-13.94	
107	156	1/2 ⁺	9/2 ⁺	1.19	0.84	1129.56	-0.12	1.16	0.00	0.00	0.79	21.99	0.0019	20.06	42.72	-14.48	
108	157	1/2 ⁺		1.18	0.82	1130.70	1.14	1.02	0.00	...	...	20.75	0.0016	20.02	43.17	-14.98	
109	158	1/2 ⁺	1/2 ⁻	1.17	0.80	1130.55	-0.15	0.99	...	...	...	22.35	0.0016	20.43	43.66	-15.42	
110	159	1/2 ⁺		1.17	0.81	1131.65	1.10	0.95	0.00	...	...	21.18	0.0014	20.52	44.19	-15.83	
111	160	9/2 ⁺	3/2 ⁻	1.17	0.83	1131.19	-0.46	0.64	...	...	...	23.18	0.0011	20.68	44.34	-16.01	
112	161	9/2 ⁺		1.17	0.83	1131.90	0.70	0.24	0.00	...	...	21.98	0.0010	20.53	44.59	-16.13	
113	162	9/2 ⁺	3/2 ⁻	1.18	0.81	1131.34	-0.56	0.14	...	...	...	23.95	0.0009	21.01	45.16	-16.18	
114	163	9/2 ⁺		1.17	0.77	1132.19	0.86	0.30	0.00	...	...	22.65	0.0009	21.60		-16.59	
115	164	9/2 ⁺	11/2 ⁺	1.17	0.76	1131.75	-0.44	0.41	...	...	...	24.29	0.0009	22.03		-17.27	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 49$ (In)																	
116	165	9/2 ⁺		1.17	0.74	1132.24	0.49	0.05	0.00	...	...	23.30	0.0008				
117	166	9/2 ⁺	11/2 ⁺	1.19	0.73	1131.65	-0.59	-0.10	...	...	...	25.10	0.0007				
$Z = 50$ (Sn)																	
44	94			1.34	1.75	726.29						15.28	0.0084	-0.31	-2.44	-3.72	
45	95		1/2 ⁺	1.35	1.71	742.19	15.90					17.46	0.0075	-0.17	-1.50	-3.95	
46	96			1.35	1.63	761.07	18.88	34.78				13.68	0.0225	0.63	-0.53	-4.04	
47	97		9/2 ⁺	1.35	1.52	776.32	15.26	34.14				15.70	0.0153	0.80	0.42	-4.34	
48	98			1.37	1.42	794.46	18.14	33.40				11.54	0.1025	1.65	1.31	-4.57	
49	99		9/2 ⁺	1.35	1.39	808.67	14.21	32.35				13.45	0.0418	1.89	2.78	-4.47	
50	100			1.39	1.47	825.89	17.22	31.43				7.09	1.8113	2.99	4.28	-4.44	
51	101		1/2 ⁺	1.36	1.30	837.09	11.19	28.41				8.55	3.4883	3.32	5.38	-2.89	
52	102			1.40	1.20	850.55	13.46	24.66				5.15	17.5840	4.13	6.07	-0.64	
53	103		3/2 ⁺	1.39	1.20	860.57	10.02	23.49				6.88	18.4895	4.09	6.96	-0.57	
54	104			1.39	1.22	873.00	12.43	22.46				4.05	22.3958	4.78	7.76	-0.23	
55	105		5/2 ⁺	1.39	1.23	882.58	9.58	22.01				5.59	35.6391	4.75	8.19	-0.68	
56	106			1.38	1.24	894.44	11.86	21.44				2.93	> 100	5.49	8.94	-0.90	
57	107		5/2 ⁺	1.31	1.24	903.37	8.92	20.79				4.76	> 100	5.22	9.29	-0.69	
58	108			1.30	1.25	914.80	11.43	20.35				1.97	> 100	5.89	10.05	-0.99	
59	109		3/2 ⁺	1.28	1.23	923.38	8.59	20.01				3.63	87.4267	5.83	10.66	-1.01	
60	110			1.31	1.24	934.56	11.18	19.77				0.48	> 100	6.77	11.65	-1.52	
61	111		5/2 ⁺	1.29	1.23	942.75	8.19	19.37				2.13	> 100	6.92	12.34	-1.73	
62	112			1.35	1.24	953.38	10.62	18.81				...	β -stable	7.71	13.25	-2.17	
63	113		7/2 ⁺	1.35	1.24	960.98	7.61	18.23				1.00	> 100	7.69	13.84	-2.27	
64	114			1.38	1.25	971.32	10.34	17.95				...	β -stable	8.56	14.81	-2.90	
65	115		1/2 ⁺	1.40	1.26	978.66	7.34	17.68				...	β -stable	8.65	15.47	-3.21	
66	116			1.40	1.28	988.42	9.76	17.10				...	β -stable	9.34	16.23	-3.62	
67	117		11/2 ⁻	1.38	1.30	995.41	6.99	16.75				...	β -stable	9.53	16.96	-3.93	
68	118			1.40	1.33	1004.74	9.32	16.32				...	β -stable	10.06	17.71	-4.24	
69	119		3/2 ⁺	1.40	1.35	1011.28	6.55	15.87				...	β -stable	10.07	18.38	-4.53	
70	120			1.39	1.37	1020.36	9.08	15.63				...	β -stable	10.68	19.25	-5.04	
71	121		9/2 ⁻	1.39	1.39	1026.83	6.47	15.55	100.00	0.00	0.00	0.29	> 100	10.92	20.38	-5.63	
72	122			1.39	1.41	1035.60	8.77	15.24				...	β -stable	11.53	20.95	-6.20	
73	123		3/2 ⁻	1.39	1.41	1041.66	6.06	14.83	100.00	0.00	0.00	1.18	> 100	11.71	21.73	-6.92	
74	124			1.38	1.40	1050.22	8.55	14.61				...	β -stable	12.34	22.66	-7.27	
75	125		3/2 ⁻	1.38	1.37	1055.99	5.77	14.33	100.00	0.00	0.00	2.07	> 100	12.50	23.50	-7.77	
76	126			1.38	1.32	1064.24	8.24	14.02	100.00	0.00	0.00	0.09	> 100	13.02	24.00	-8.38	
77	127		9/2 ⁻	1.37	1.26	1069.79	5.55	13.79	100.00	0.00	0.00	3.01	> 100	13.14	24.58	-9.00	
78	128			1.37	1.19	1077.72	7.94	13.49	100.00	0.00	0.00	1.14	> 100	13.59	25.51	-9.19	
79	129		9/2 ⁻	1.37	1.10	1083.01	5.29	13.23	100.00	0.00	0.00	4.20	> 100	13.62	26.07	-9.51	
80	130			1.38	1.01	1090.71	7.69	12.98	100.00	0.00	0.00	2.29	> 100	14.21	26.83	-10.19	
81	131		11/2 ⁻	1.37	1.03	1095.79	5.08	12.78	100.00	0.00	0.00	5.08	> 100	14.29	27.11	-10.55	
82	132			1.37	1.17	1102.71	6.92	12.01	100.00	0.00	0.00	3.71	28.6910	15.01	27.86	-10.55	
83	133		5/2 ⁻	1.38	1.02	1105.36	2.65	9.57	100.00	0.00	0.00	7.99	10.2903	14.95	28.48	-8.38	
84	134			1.38	0.95	1109.65	4.28	6.93	0.01	99.99	0.00	7.09	3.5410	15.46	29.10	-6.50	
85	135		1/2 ⁻	1.37	0.97	1111.52	1.87	6.15	1.49	92.35	6.17	9.44	3.0181	15.56	29.64	-6.34	
86	136			1.37	1.01	1115.26	3.74	5.61	0.01	98.61	1.38	8.25	0.9523	16.04	30.24	-6.41	
87	137		3/2 ⁻	1.36	1.04	1116.87	1.61	5.35	0.70	53.49	45.81	10.48	0.8139	16.15	30.83	-6.70	
88	138			1.36	1.07	1120.43	3.56	5.17	0.00	98.16	1.82	8.39	0.4791	16.76	31.43	-7.12	
89	139		5/2 ⁻	1.36	1.08	1121.73	1.30	4.86	0.71	78.39	20.49	10.95	0.3863	17.40	32.74	-7.39	
90	140			1.35	1.10	1125.08	3.35	4.65	0.00	97.54	1.92	9.52	0.1239	17.74	33.35	-7.78	
91	141		3/2 ⁻	1.28	1.05	1125.71	0.63	3.98	65.00	30.19	4.51	12.48	0.0188	17.42	33.85	-8.43	
92	142			1.27	1.06	1128.91	3.20	3.84	0.00	95.21	3.52	10.47	0.0415	18.60	34.30	-8.89	
93	143		3/2 ⁻	1.33	0.88	1129.33	0.42	3.62	43.30	17.25	36.42	13.62	0.0139	17.55	33.72	-9.18	
94	144			1.32	0.87	1132.65	3.32	3.74	9.58	80.60	5.26	12.15	0.0176	18.17	34.28	-9.74	
95	145		5/2 ⁻	1.32	0.90	1133.73	1.08	4.40	13.49	45.73	37.43	14.41	0.0099	18.19	34.77	-9.82	
96	146			1.32	0.87	1136.70	2.97	4.05	8.23	78.81	7.85	13.21	0.0098	18.63	35.30	-10.03	
97	147		5/2 ⁻	1.31	0.85	1137.71	1.01	3.98	12.51	40.05	41.74	15.28	0.0066	18.65	35.82	-10.45	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 50 (Sn)																	
98	148			1.31	0.84	1140.36	2.65	3.66	4.75	65.92	21.27	14.08	0.0062	19.08	36.26	-10.66	
99	149		1/2 ⁻	1.30	0.85	1141.32	0.95	3.61	8.15	7.07	73.33	15.92	0.0056	19.13	36.82	-11.13	
100	150			1.29	0.83	1143.87	2.56	3.51	3.25	43.98	39.69	14.72	0.0049	19.61	37.34	-11.48	
101	151		7/2 ⁺	1.28	0.85	1144.56	0.68	3.24	0.19	9.93	58.33	16.59	0.0046	19.62	37.85	-11.76	
102	152			1.27	0.83	1146.82	2.26	2.94	3.10	25.11	39.18	15.50	0.0037	20.12	38.40	-11.98	
103	153		5/2 ⁻	1.26	0.83	1147.19	0.37	2.64	3.13	4.43	36.20	17.42	0.0033	20.20	38.89	-12.19	
104	154			1.25	0.82	1149.01	1.82	2.19	0.05	11.70	15.91	16.49	0.0027	20.67	39.44	-12.29	
105	155		7/2 ⁻	1.23	0.83	1149.05	0.04	1.85	0.03	0.87	14.82	18.32	0.0023	20.65	40.04	-12.45	
106	156			1.22	0.83	1150.77	1.72	1.76	0.06	4.82	4.04	17.16	0.0023	21.08	40.68	-12.91	
107	157		9/2 ⁺	1.21	0.83	1150.67	-0.10	1.62	0.01	0.03	3.40	18.98	0.0023	21.10	41.17	-13.36	
108	158			1.19	0.81	1152.12	1.46	1.36	0.12	0.67	3.17	17.85	0.0019	21.42	41.44	-13.74	
109	159		1/2 ⁻	1.18	0.80	1152.05	-0.07	1.38	0.27	1.80	0.63	19.41	0.0019	21.50	41.92	-14.25	
110	160			1.17	0.79	1153.60	1.54	1.47	0.16	0.62	0.68	18.23	0.0018	21.94	42.46	-14.62	
111	161		7/2 ⁻	1.16	0.87	1153.09	-0.50	1.04	0.00	0.00	0.92	20.14	0.0016	21.90	42.58	-14.67	
112	162			1.16	0.85	1154.51	1.41	0.91	0.00	0.05	0.01	18.78	0.0014	22.61	43.14	-15.07	
113	163		3/2 ⁻	1.16	0.82	1154.06	-0.45	0.96	0.05	0.00	1.31	20.58	0.0014	22.72	43.73	-15.25	
114	164			1.16	0.82	1155.26	1.20	0.75	0.00	0.06	0.00	19.41	0.0012	23.07	44.66	-15.59	
115	165		11/2 ⁺	1.16	0.80	1154.75	-0.51	0.70	0.01	0.00	0.00	21.23	0.0012	23.00	45.03	-16.13	
116	166			1.19	0.80	1155.96	1.21	0.70	0.00	...	...	19.91	0.0009	23.72		-17.07	
117	167		11/2 ⁺	1.19	0.76	1155.41	-0.55	0.65	...	...	...	21.78	0.0009	23.76		-17.39	
118	168			1.18	0.72	1156.33	0.92	0.37				20.66					
119	169		3/2 ⁻	1.20	0.75	1155.66	-0.67	0.25				22.27					
Z = 51 (Sb)																	
46	97	1/2 ⁺		1.26	1.61	755.34						20.20	0.0045	-5.73	-5.09	-0.44	
47	98	1/2 ⁺	7/2 ⁺	1.25	1.51	771.32	15.98					22.36	0.0035	-5.01	-4.21	-0.67	
48	99	1/2 ⁺		1.25	1.41	789.46	18.14	34.12				18.44	0.0084	-5.01	-3.36	-0.73	
49	100	1/2 ⁺	9/2 ⁺	1.24	1.39	804.57	15.11	33.25				20.54	0.0056	-4.11	-2.22	-0.74	
50	101	1/2 ⁺		1.24	1.46	821.91	17.35	32.46				14.39	0.0207	-3.98	-0.99	-0.81	
51	102	1/2 ⁺	1/2 ⁺	1.23	1.31	834.04	12.13	29.48				15.72	0.0258	-3.04	0.28	1.04	$> 10^{20}$
52	103	1/2 ⁺		1.23	1.20	847.95	13.90	26.03				11.84	0.0917	-2.60	1.53	3.26	$10^{-1.20}$
53	104	1/2 ⁺	1/2 ⁺	1.22	1.20	858.87	10.93	24.83				13.35	0.1674	-1.70	2.39	3.19	$10^{-0.42}$
54	105	1/2 ⁺		1.22	1.19	871.51	12.64	23.57				10.29	0.3175	-1.49	3.28	3.20	$10^{-0.83}$
55	106	1/2 ⁺	3/2 ⁺	1.18	1.19	881.99	10.48	23.12				11.67	0.7009	-0.59	4.16	2.78	$10^{2.61}$
56	107	1/2 ⁺		1.18	1.20	894.06	12.07	22.55				8.53	1.3605	-0.38	5.11	2.47	$10^{5.09}$
57	108	1/2 ⁺	3/2 ⁺	1.16	1.20	903.95	9.89	21.96				10.06	1.4237	0.58	5.80	2.18	$10^{8.56}$
58	109	1/2 ⁺		1.16	1.21	915.56	11.61	21.50				7.04	9.4043	0.76	6.65	1.69	$10^{15.22}$
59	110	1/2 ⁺	5/2 ⁺	1.15	1.21	925.03	9.47	21.08				8.75	10.1359	1.64	7.47	1.42	$> 10^{20}$
60	111	1/2 ⁺		1.15	1.22	936.09	11.06	20.53				5.88	17.1374	1.53	8.30	1.11	$> 10^{20}$
61	112	1/2 ⁺	5/2 ⁺	1.16	1.23	945.02	8.92	19.99				7.58	83.0337	2.27	9.19	0.83	$> 10^{20}$
62	113	1/2 ⁺		1.16	1.24	955.68	10.66	19.59				4.52	> 100	2.31	10.01	0.41	$> 10^{20}$
63	114	7/2 ⁺	1/2 ⁺	1.19	1.24	964.18	8.50	19.16				6.36	> 100	3.19	10.88	-0.05	
64	115	7/2 ⁺		1.19	1.25	974.56	10.38	18.88				3.32	> 100	3.24	11.79	-0.60	
65	116	7/2 ⁺	11/2 ⁻	1.19	1.25	982.70	8.14	18.52				4.93	> 100	4.04	12.69	-1.11	
66	117	7/2 ⁺		1.19	1.26	992.70	10.00	18.14				1.93	> 100	4.28	13.62	-1.64	
67	118	7/2 ⁺	9/2 ⁻	1.18	1.24	1000.42	7.72	17.72				3.53	> 100	5.01	14.53	-2.12	
68	119	7/2 ⁺		1.19	1.27	1009.93	9.51	17.23				0.57	> 100	5.20	15.25	-2.56	
69	120	7/2 ⁺	1/2 ⁺	1.19	1.28	1017.21	7.28	16.79	100.00	0.00	0.00	±	±	5.93	16.00	-3.03	
70	121	7/2 ⁺		1.19	1.29	1026.34	9.13	16.41				...	β -stable	5.98	16.66	-3.37	
71	122	7/2 ⁺	3/2 ⁺	1.20	1.29	1033.22	6.88	16.01	100.00	0.00	0.00	±	±	6.39	17.31	-3.72	
72	123	7/2 ⁺		1.20	1.30	1042.06	8.84	15.72				...	β -stable	6.46	17.99	-4.09	
73	124	7/2 ⁺	7/2 ⁻	1.20	1.28	1048.66	6.59	15.44	100.00	0.00	0.00	±	±	6.99	18.70	-4.45	
74	125	7/2 ⁺		1.20	1.29	1057.28	8.63	15.22	100.00	0.00	0.00	0.61	> 100	7.07	19.41	-4.91	
75	126	7/2 ⁺	5/2 ⁻	1.20	1.24	1063.54	6.26	14.89	100.00	0.00	0.00	3.51	> 100	7.55	20.05	-5.30	
76	127	7/2 ⁺		1.21	1.28	1072.02	8.48	14.73	100.00	0.00	0.00	1.40	> 100	7.78	20.80	-5.85	
77	128	7/2 ⁺	3/2 ⁻	1.21	1.22	1078.08	6.07	14.54	100.00	0.00	0.00	4.39	> 100	8.30	21.43	-6.30	
78	129	7/2 ⁺		1.21	1.20	1086.43	8.34	14.41	100.00	0.00	0.00	2.42	> 100	8.70	22.29	-6.92	
79	130	7/2 ⁺	1/2 ⁺	1.21	1.11	1092.21	5.78	14.13	100.00	0.00	0.00	5.20	> 100	9.20	22.81	-7.27	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 51 (Sb)																	
80	131	7/2 ⁺		1.21	1.03	1100.09	7.88	13.66	100.00	0.00	0.00	3.26	> 100	9.38	23.60	-7.66	
81	132	7/2 ⁺	1/2 ⁻	1.22	1.04	1105.65	5.55	13.44	100.00	0.00	0.00	6.14	> 100	9.85	24.15	-7.95	
82	133	7/2 ⁺		1.22	1.18	1112.57	6.92	12.48	100.00	0.00	0.00	4.89	> 100	9.85	24.86	-7.78	
83	134	7/2 ⁺	7/2 ⁻	1.22	1.02	1115.95	3.38	10.31	95.01	4.99	0.00	9.01	> 100	10.59	25.54	-6.16	
84	135	5/2 ⁺		1.24	0.95	1120.18	4.22	7.61	4.06	95.94	0.00	8.19	56.3566	10.53	25.99	-4.18	
85	136	1/2 ⁺	3/2 ⁻	1.24	0.96	1122.72	2.55	6.77	56.83	32.55	10.61	10.59	2.4932	11.21	26.77	-4.02	
86	137	1/2 ⁺		1.24	0.98	1126.57	3.84	6.39	0.09	99.60	0.31	9.27	1.0502	11.31	27.35	-4.09	
87	138	1/2 ⁺	1/2 ⁻	1.24	0.96	1128.04	1.47	5.32	80.32	17.66	2.02	12.22	0.0411	11.17	27.32	-3.79	
88	139	1/2 ⁺		1.24	0.99	1131.90	3.86	5.33	0.25	96.56	3.19	10.10	0.1788	11.47	28.23	-4.39	
89	140	1/2 ⁺	3/2 ⁻	1.24	0.99	1133.82	1.92	5.78	41.07	42.50	16.36	12.51	0.0378	12.09	29.49	-4.81	
90	141	1/2 ⁺		1.24	1.00	1137.41	3.59	5.51	0.60	96.15	2.52	10.87	0.0804	12.33	30.08	-5.45	
91	142	1/2 ⁺	3/2 ⁺	1.29	0.93	1138.60	1.19	4.78	3.46	51.29	44.09	13.99	0.0447	12.89	30.31	-5.97	
92	143	9/2 ⁺		1.29	0.92	1142.17	3.57	4.76	0.00	95.34	2.93	12.53	0.0266	13.26	31.85	-6.54	
93	144	9/2 ⁺	3/2 ⁻	1.31	0.89	1144.02	1.85	5.42	14.86	56.23	27.94	14.87	0.0140	14.69	32.24	-7.43	
94	145	9/2 ⁺		1.30	0.89	1147.36	3.34	5.19	0.00	86.34	10.77	13.52	0.0162	14.71	32.87	-8.74	
95	146	9/2 ⁺	5/2 ⁻	1.30	0.90	1149.13	1.77	5.11	1.99	14.13	81.31	15.60	0.0112	15.40	33.60	-9.06	
96	147	9/2 ⁺		1.30	0.91	1152.21	3.08	4.85	0.00	65.17	28.71	14.35	0.0111	15.51	34.14	-9.43	
97	148	9/2 ⁺	5/2 ⁺	1.31	0.88	1153.66	1.44	4.52	0.40	2.45	89.04	16.51	0.0095	15.94	34.60	-9.82	
98	149	9/2 ⁺		1.30	0.88	1156.46	2.80	4.25	0.00	56.66	30.63	15.29	0.0074	16.10	35.18	-10.09	
99	150	9/2 ⁺	1/2 ⁻	1.30	0.87	1157.82	1.36	4.16	3.94	3.51	73.18	17.23	0.0066	16.50	35.63	-10.46	
100	151	9/2 ⁺		1.29	0.86	1160.37	2.55	3.91	0.00	9.55	52.76	16.02	0.0056	16.49	36.11	-10.79	
101	152	9/2 ⁺	5/2 ⁻	1.29	0.85	1161.54	1.17	3.72	0.00	4.87	54.28	17.89	0.0051	16.98	36.60	-11.05	
102	153	9/2 ⁺		1.27	0.84	1163.83	2.29	3.46	0.00	7.61	28.26	16.82	0.0044	17.01	37.13	-11.28	
103	154	3/2 ⁺	5/2 ⁻	1.27	0.82	1164.71	0.88	3.18	0.48	0.78	26.20	18.75	0.0044	17.52	37.72	-11.48	
104	155	3/2 ⁺		1.25	0.80	1166.58	1.87	2.75	0.18	5.76	7.00	17.92	0.0034	17.58	38.24	-11.59	
105	156	3/2 ⁺	7/2 ⁻	1.24	0.84	1167.14	0.56	2.43	0.00	0.46	12.40	19.68	0.0028	18.10	38.74	-11.86	
106	157	3/2 ⁺		1.22	0.83	1168.86	1.72	2.28	0.00	0.53	0.28	18.51	0.0028	18.10	39.18	-12.23	
107	158	3/2 ⁺	9/2 ⁺	1.21	0.83	1169.19	0.33	2.05	0.00	0.13	0.43	20.33	0.0028	18.53	39.63	-12.50	
108	159	3/2 ⁺		1.20	0.81	1170.68	1.48	1.81	0.00	0.58	0.06	19.20	0.0023	18.55	39.97	-12.69	
109	160	3/2 ⁺	1/2 ⁻	1.19	0.80	1171.04	0.36	1.85	0.00	0.00	2.54	20.77	0.0023	18.99	40.49	-13.18	
110	161	3/2 ⁺		1.18	0.79	1172.44	1.40	1.77	0.00	0.53	0.04	19.70	0.0021	18.85	40.79	-13.45	
111	162	1/2 ⁺	1/2 ⁻	1.16	0.85	1172.50	0.06	1.46	0.00	0.00	1.83	21.47	0.0018	19.41	41.31	-13.65	
112	163	1/2 ⁺		1.16	0.86	1173.86	1.36	1.41	0.00	0.36	0.00	20.32	0.0014	19.35	41.96	-13.91	
113	164	1/2 ⁺	3/2 ⁻	1.15	0.83	1173.88	0.02	1.38	0.00	0.00	0.28	22.01	0.0015	19.82	42.54	-14.39	
114	165	1/2 ⁺		1.15	0.78	1175.20	1.32	1.34	0.00	...	...	20.61	0.0014	19.94	43.01	-15.01	
115	166	1/2 ⁺	11/2 ⁺	1.14	0.78	1175.09	-0.11	1.21	...	...	...	22.46	0.0013	20.34	43.34	-15.46	
116	167	1/2 ⁺		1.14	0.76	1176.41	1.32	1.21	0.00	...	...	21.10	0.0011	20.45	44.17	-15.92	
117	168	1/2 ⁺	11/2 ⁺	1.14	0.75	1176.20	-0.21	1.11	...	...	...	22.74	0.0011	20.80	44.56	-16.16	
118	169	1/2 ⁺		1.14	0.72	1177.15	0.94	0.74	0.00	...	...	21.93	0.0009	20.82		-16.61	
119	170	7/2 ⁺	1/2 ⁺	1.13	0.74	1176.65	-0.50	0.44	0.00	0.00	0.05	23.74	0.0008	20.99		-16.70	
120	171	7/2 ⁺		1.14	0.71	1177.11	0.46	-0.04	0.00	...	...	22.64	0.0007				
121	172	7/2 ⁺	1/2 ⁻	1.14	0.68	1176.91	-0.20	0.26	...	...	...	24.23	0.0007				
Z = 52 (Te)																	
47	99		7/2 ⁺	1.20	1.51	768.41						20.27	0.0056	-2.91	-7.92	2.08	10 ^{10.66}
48	100			1.19	1.42	787.55	19.15					16.23	0.0240	-1.90	-6.91	1.81	10 ^{13.44}
49	101		9/2 ⁺	1.18	1.39	802.44	14.89	34.04				18.69	0.0086	-2.12	-6.23	2.18	10 ^{9.45}
50	102			1.18	1.47	820.63	18.18	33.08				12.63	0.0594	-1.29	-5.26	2.13	10 ^{8.93}
51	103		1/2 ⁺	1.17	1.31	833.08	12.46	30.64				14.08	0.0688	-0.96	-4.00	3.89	10 ^{-3.85}
52	104			1.17	1.20	848.07	14.98	27.44				10.02	0.3969	0.12	-2.48	6.12	10 ^{-12.93}
53	105		3/2 ⁺	1.16	1.20	859.07	11.00	25.98				11.66	0.3675	0.20	-1.50	6.31	10 ^{-12.36}
54	106			1.11	1.19	872.83	13.76	24.76				8.38	1.5800	1.32	-0.18	6.01	10 ^{-12.66}
55	107		3/2 ⁺	1.10	1.21	883.32	10.49	24.25				9.96	0.8994	1.33	0.74	5.55	10 ^{-10.29}
56	108			1.09	1.21	896.28	12.96	23.45				6.89	5.9691	2.22	1.84	5.02	10 ^{-9.66}
57	109		3/2 ⁺	1.10	1.21	906.36	10.08	23.04				8.42	3.0620	2.40	2.99	4.52	10 ^{-6.72}
58	110			1.11	1.22	918.71	12.35	22.43				5.54	22.0653	3.15	3.91	4.03	10 ^{-5.64}
59	111		1/2 ⁻	1.12	1.22	928.28	9.57	21.92				7.03	37.2692	3.25	4.90	3.38	10 ^{-1.00}
60	112			1.12	1.23	940.11	11.83	21.41				4.12	81.4113	4.02	5.55	2.98	10 ^{0.71}

N	A	Ω_p^π	Ω_n^π	Δ_{LNp} (MeV)	Δ_{LNn} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 52 (Te)																	
61	113		5/2 ⁺	1.09	1.23	949.32	9.20	21.03				5.58	35.5202	4.30	6.56	2.36	10 ^{7.31}
62	114			1.12	1.24	960.60	11.29	20.49				2.80	> 100	4.92	7.23	2.26	10 ^{7.41}
63	115		5/2 ⁺	1.08	1.21	969.48	8.88	20.17				4.30	65.1997	5.30	8.50	1.57	10 ^{18.87}
64	116			1.12	1.23	980.32	10.84	19.72				1.60	> 100	5.76	9.00	1.35	> 10 ²⁰
65	117		1/2 ⁺	1.10	1.23	988.28	7.96	18.80				3.64	> 100	5.58	9.62	1.00	> 10 ²⁰
66	118			1.12	1.24	998.92	10.64	18.60				0.71	> 100	6.22	10.50	0.69	> 10 ²⁰
67	119		9/2 ⁻	1.12	1.23	1006.78	7.86	18.50				2.37	> 100	6.36	11.37	0.17	> 10 ²⁰
68	120			1.12	1.23	1016.95	10.17	18.02				...	β -stable	7.02	12.21	-0.23	
69	121		7/2 ⁻	1.12	1.24	1024.38	7.43	17.60				1.18	> 100	7.17	13.10	-0.67	
70	122			1.12	1.26	1034.04	9.65	17.09				...	β -stable	7.69	13.67	-1.00	
71	123		1/2 ⁺	1.12	1.26	1041.02	6.98	16.64				0.26	> 100	7.80	14.19	-1.44	
72	124			1.13	1.30	1050.45	9.43	16.42				...	β -stable	8.39	14.85	-1.80	
73	125		7/2 ⁻	1.13	1.28	1057.11	6.66	16.09				...	β -stable	8.45	15.45	-1.98	
74	126			1.13	1.27	1066.27	9.16	15.82				...	β -stable	8.99	16.05	-2.37	
75	127		5/2 ⁻	1.13	1.23	1072.64	6.36	15.53	100.00	0.00	0.00	0.16	> 100	9.09	16.64	-2.68	
76	128			1.15	1.34	1081.69	9.05	15.42				...	β -stable	9.67	17.45	-3.17	
77	129		5/2 ⁻	1.15	1.30	1088.06	6.37	15.43	100.00	0.00	0.00	0.65	> 100	9.98	18.28	-3.77	
78	130			1.15	1.24	1096.62	8.56	14.94				...	β -stable	10.20	18.90	-4.09	
79	131		9/2 ⁻	1.15	1.15	1102.56	5.94	14.50	100.00	0.00	0.00	1.65	> 100	10.35	19.55	-4.48	
80	132			1.15	1.07	1111.00	8.44	14.38	100.00	0.00	0.00	...	β -stable	10.91	20.30	-4.99	
81	133		11/2 ⁻	1.14	1.08	1116.67	5.67	14.11	100.00	0.00	0.00	2.71	> 100	11.03	20.88	-5.36	
82	134			1.14	1.20	1124.18	7.51	13.18	100.00	0.00	0.00	1.38	> 100	11.62	21.47	-5.18	
83	135		7/2 ⁻	1.14	1.03	1127.58	3.40	10.91	100.00	0.00	0.00	5.65	> 100	11.63	22.22	-3.50	
84	136			1.14	0.95	1132.53	4.95	8.34	100.00	0.00	0.00	4.70	78.8127	12.35	22.88	-1.52	
85	137		3/2 ⁻	1.15	0.98	1135.06	2.53	7.47	35.94	64.06	0.00	7.19	> 100	12.33	23.54	-1.40	
86	138			1.15	1.02	1139.48	4.42	6.95	97.29	2.71	0.00	5.20	30.1289	12.91	24.22	-1.54	
87	139		3/2 ⁻	1.22	0.94	1141.21	1.74	6.16	97.72	2.28	0.00	8.28	0.2841	13.17	24.35	-1.40	
88	140			1.23	0.95	1145.54	4.33	6.07	97.10	2.90	0.00	6.91	0.2908	13.65	25.11	-1.99	
89	141		1/2 ⁺	1.26	0.95	1147.49	1.95	6.28	92.00	7.60	0.39	9.57	0.1406	13.67	25.77	-2.33	
90	142			1.26	0.95	1151.81	4.32	6.27	85.29	14.71	0.00	7.99	0.1075	14.40	26.73	-3.09	
91	143		3/2 ⁺	1.28	0.92	1153.92	2.11	6.42	82.50	15.91	1.59	10.37	0.0754	15.32	28.20	-3.89	
92	144			1.29	0.91	1158.11	4.19	6.30	84.15	15.81	0.04	8.86	0.0615	15.94	29.19	-4.73	
93	145		3/2 ⁻	1.30	0.88	1160.09	1.99	6.18	73.39	24.99	1.62	11.12	0.0323	16.08	30.76	-6.09	
94	146			1.30	0.89	1163.95	3.86	5.84	59.28	40.08	0.64	9.92	0.0380	16.59	31.30	-6.74	
95	147		5/2 ⁻	1.30	0.90	1165.78	1.83	5.69	60.65	35.16	4.19	11.99	0.0244	16.65	32.06	-8.16	
96	148			1.30	0.90	1169.38	3.60	5.43	49.12	48.61	2.20	10.80	0.0251	17.17	32.67	-8.43	
97	149		5/2 ⁺	1.30	0.89	1170.97	1.59	5.18	14.10	68.01	17.58	12.90	0.0230	17.31	33.26	-8.94	
98	150			1.29	0.89	1174.27	3.30	4.89	14.33	82.36	2.79	11.66	0.0167	17.81	33.91	-9.27	
99	151		1/2 ⁻	1.30	0.88	1175.60	1.33	4.64	20.15	37.55	40.41	13.73	0.0140	17.79	34.28	-9.60	
100	152			1.28	0.87	1178.64	3.04	4.37	12.73	79.75	4.78	12.68	0.0106	18.27	34.77	-9.98	
101	153		5/2 ⁻	1.28	0.86	1179.87	1.23	4.27	9.82	31.13	55.30	14.54	0.0092	18.33	35.32	-10.26	
102	154			1.28	0.85	1182.69	2.81	4.04	8.68	72.82	13.35	13.51	0.0078	18.85	35.87	-10.52	
103	155		5/2 ⁻	1.28	0.82	1183.72	1.04	3.85	7.27	22.57	63.59	15.32	0.0069	19.01	36.53	-10.87	
104	156			1.26	0.80	1186.04	2.31	3.35	7.74	44.51	38.72	14.63	0.0049	19.45	37.03	-10.92	
105	157		7/2 ⁻	1.25	0.83	1186.59	0.55	2.87	1.03	12.41	60.68	16.46	0.0038	19.45	37.55	-11.10	
106	158			1.23	0.83	1188.74	2.15	2.70	0.01	16.99	44.78	15.31	0.0038	19.88	37.98	-11.44	
107	159		9/2 ⁺	1.22	0.83	1189.10	0.35	2.50	0.00	0.12	26.34	17.16	0.0038	19.90	38.43	-11.76	
108	160			1.21	0.81	1191.03	1.93	2.29	0.04	11.62	12.97	16.08	0.0031	20.35	38.91	-11.97	
109	161		1/2 ⁻	1.20	0.80	1191.36	0.33	2.27	2.23	0.26	10.89	17.78	0.0029	20.32	39.31	-12.40	
110	162			1.19	0.78	1193.19	1.83	2.16	0.04	4.68	8.15	16.68	0.0026	20.74	39.59	-12.77	
111	163		3/2 ⁻	1.18	0.78	1193.40	0.21	2.03	2.71	0.03	6.85	18.39	0.0024	20.89	40.30	-13.05	
112	164			1.17	0.81	1195.11	1.71	1.92	0.00	1.67	3.35	17.23	0.0021	21.25	40.60	-13.22	
113	165		3/2 ⁻	1.16	0.80	1195.03	-0.08	1.63	0.24	1.32	1.62	18.91	0.0021	21.15	40.97	-13.64	
114	166			1.15	0.79	1196.77	1.74	1.66	0.00	1.30	0.52	17.59	0.0018	21.57	41.51	-13.96	
115	167		11/2 ⁺	1.15	0.76	1196.73	-0.03	1.71	0.01	0.00	0.08	19.26	0.0019	21.64	41.98	-14.38	
116	168			1.14	0.76	1198.16	1.42	1.39	0.00	0.49	1.25	18.32	0.0014	21.75	42.19	-14.60	
117	169		11/2 ⁺	1.13	0.73	1198.30	0.14	1.57	0.00	0.00	0.00	19.58	0.0015	22.09	42.89	-15.25	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 52 (Te)																	
118	170			1.12	0.71	1199.60	1.30	1.45	0.00	0.00	0.08	18.50	0.0013	22.46	43.28	-15.35	
119	171		1/2 ⁺	1.10	0.73	1198.96	-0.64	0.67	0.19	0.01	0.06	20.81	0.0011	22.32	43.31	-15.26	
120	172			1.11	0.70	1200.36	1.39	0.76	0.00	...	...	19.23	0.0012	23.25		-15.74	
121	173		1/2 ⁻	1.10	0.68	1199.87	-0.50	0.90	...	...	...	20.95	0.0010	22.95		-15.91	
122	174			1.10	0.64	1201.23	1.36	0.87	0.00	...	...	19.54	0.0010				
123	175		3/2 ⁻	1.09	0.60	1201.17	-0.06	1.31	...	...	...	20.84	0.0010				
124	176			1.09	0.55	1202.39	1.22	1.16	0.00	...	...	20.08	0.0009				
Z = 53 (I)																	
48	101	1/2 ⁺		1.22	1.42	781.81						19.85	0.0067	-5.74	-7.64	1.82	10 ^{15.08}
49	102	3/2 ⁺	9/2 ⁺	1.22	1.39	797.65	15.84					22.19	0.0038	-4.80	-6.92	1.97	10 ^{13.23}
50	103	3/2 ⁺		1.22	1.45	815.48	17.83	33.67				16.82	0.0099	-5.14	-6.43	2.27	10 ^{8.97}
51	104	1/2 ⁺	1/2 ⁺	1.19	1.32	829.19	13.71	31.54				18.09	0.0125	-3.89	-4.85	3.67	10 ^{-1.97}
52	105	1/2 ⁺		1.17	1.22	844.47	15.28	28.99				13.82	0.0393	-3.60	-3.48	5.74	10 ^{-10.65}
53	106	1/2 ⁺	1/2 ⁺	1.16	1.23	856.55	12.08	27.36				15.49	0.0314	-2.52	-2.32	5.78	10 ^{-10.44}
54	107	1/2 ⁺		1.16	1.22	870.69	14.14	26.22				11.85	0.1004	-2.14	-0.82	5.55	10 ^{-10.09}
55	108	1/2 ⁺	3/2 ⁺	1.13	1.21	882.19	11.50	25.64				13.30	0.1350	-1.12	0.20	4.97	10 ^{-7.84}
56	109	1/2 ⁺		1.13	1.22	895.33	13.13	24.64				10.25	0.3380	-0.95	1.27	4.48	10 ^{-6.27}
57	110	1/2	3/2	1.11	1.21	906.26	10.93	24.06				11.67	0.5278	-0.10	2.30	4.03	10 ^{-3.90}
58	111	1/2 ⁺		1.12	1.22	918.77	12.52	23.45				8.73	0.9116	0.07	3.21	3.58	10 ^{-1.82}
59	112	1/2 ⁺	3/2 ⁺	1.13	1.23	929.22	10.45	22.97				10.11	1.5971	0.94	4.19	3.03	10 ^{2.21}
60	113	1/2 ⁺		1.13	1.23	941.15	11.93	22.38				7.38	2.8818	1.03	5.06	2.71	10 ^{4.51}
61	114	1/2 ⁺	3/2 ⁻	1.14	1.21	951.21	10.06	21.99				8.61	10.1624	1.89	6.19	2.12	10 ^{11.16}
62	115	1/2 ⁺		1.15	1.22	962.59	11.38	21.44				6.11	9.3350	1.99	6.91	1.80	10 ^{15.46}
63	116	1/2 ⁺	5/2 ⁺	1.15	1.20	972.10	9.51	20.89				7.44	14.0974	2.62	7.92	1.22	> 10 ²⁰
64	117	1/2 ⁺		1.14	1.20	983.05	10.95	20.46				4.45	57.4829	2.73	8.49	0.93	> 10 ²⁰
65	118	1/2 ⁺	5/2 ⁻	1.16	1.18	992.02	8.97	19.92				6.12	> 100	3.74	9.32	0.45	> 10 ²⁰
66	119	1/2 ⁺		1.15	1.17	1002.54	10.52	19.50				3.45	> 100	3.62	9.84	0.31	> 10 ²⁰
67	120	3/2 ⁺	1/2 ⁺	1.16	1.15	1011.07	8.53	19.05				5.09	> 100	4.29	10.65	-0.07	
68	121	5/2 ⁺		1.10	1.22	1020.95	9.88	18.40				2.65	> 100	4.00	11.02	0.05	> 10 ²⁰
69	122	5/2 ⁺	7/2 ⁻	1.13	1.22	1029.00	8.06	17.93				4.25	> 100	4.62	11.79	-0.29	
70	123	5/2 ⁺		1.13	1.24	1038.72	9.71	17.77				1.52	> 100	4.68	12.38	-0.49	
71	124	5/2 ⁺	1/2 ⁺	1.13	1.24	1046.29	7.57	17.28	100.00	0.00	0.00	±	±	5.27	13.06	-0.78	
72	125	5/2 ⁺		1.13	1.24	1055.66	9.37	16.94				0.67	> 100	5.20	13.60	-1.02	
73	126	3/2 ⁺	7/2 ⁻	1.15	1.16	1062.94	7.28	16.65	100.00	0.00	0.00	±	±	5.82	14.28	-1.42	
74	127	5/2 ⁺		1.14	1.23	1072.01	9.07	16.35				...	β -stable	5.74	14.73	-1.65	
75	128	5/2 ⁺	5/2 ⁻	1.14	1.22	1079.05	7.04	16.12	100.00	0.00	0.00	±	±	6.42	15.51	-2.10	
76	129	5/2 ⁺		1.14	1.19	1087.93	8.88	15.92	100.00	0.00	0.00	...	β -stable	6.25	15.92	-2.36	
77	130	5/2 ⁺	3/2 ⁻	1.14	1.15	1094.69	6.76	15.64	100.00	0.00	0.00	±	±	6.63	16.61	-2.85	
78	131	5/2 ⁺		1.15	1.14	1103.43	8.74	15.50	100.00	0.00	0.00	0.44	> 100	6.81	17.01	-3.12	
79	132	5/2 ⁺	1/2 ⁻	1.16	1.09	1110.04	6.60	15.34	100.00	0.00	0.00	±	±	7.47	17.82	-3.65	
80	133	3/2 ⁺		1.18	1.07	1118.60	8.57	15.17	100.00	0.00	0.00	1.35	> 100	7.60	18.51	-3.88	
81	134	3/2 ⁺	11/2 ⁻	1.17	1.08	1124.78	6.18	14.75	100.00	0.00	0.00	4.07	> 100	8.11	19.14	-4.27	
82	135	5/2 ⁺		1.17	1.20	1132.45	7.67	13.85	100.00	0.00	0.00	2.71	> 100	8.27	19.88	-4.06	
83	136	3/2 ⁺	1/2 ⁻	1.16	1.03	1136.45	4.00	11.67	100.00	0.00	0.00	6.95	> 100	8.87	20.50	-2.51	
84	137	3/2 ⁺		1.16	0.96	1141.46	5.01	9.01	76.71	23.29	0.00	6.09	> 100	8.93	21.28	-0.60	
85	138	3/2 ⁺	3/2 ⁻	1.17	0.94	1143.89	2.43	7.44	99.52	0.48	0.00	9.10	2.6946	8.83	21.16	0.36	> 10 ²⁰
86	139	3/2 ⁺		1.17	0.94	1148.71	4.82	7.25	79.49	20.51	0.00	7.27	2.7864	9.23	22.14	-0.24	
87	140	3/2 ⁺	3/2 ⁻	1.19	0.94	1151.68	2.97	7.79	89.83	10.17	0.00	9.61	0.3281	10.46	23.63	-0.65	
88	141	1/2		1.18	0.89	1156.28	4.61	7.58	53.42	46.58	0.00	8.30	0.3725	10.74	24.39	-1.42	
89	142	1/2	3/2	1.22	0.93	1159.02	2.74	7.35	52.21	47.03	0.76	10.87	0.2007	11.53	25.20	-2.69	
90	143	3/2 ⁺		1.23	0.96	1163.51	4.49	7.22	22.85	77.13	0.02	9.43	0.1407	11.70	26.10	-3.32	
91	144	1/2	3/2	1.25	0.90	1166.18	2.67	7.16	64.41	33.60	1.99	11.68	0.0615	12.27	27.58	-4.07	
92	145	1/2 ⁻		1.27	0.84	1170.44	4.25	6.93	56.94	42.80	0.26	10.20	0.0530	12.33	28.26	-4.73	
93	146	1/2 ⁻	3/2 ⁻	1.28	0.88	1173.09	2.66	6.91	70.87	26.86	2.27	12.52	0.0288	13.00	29.07	-6.20	
94	147	1/2		1.28	0.87	1176.99	3.90	6.56	31.05	68.01	0.94	11.42	0.0309	13.04	29.64	-6.53	
95	148	1/2	5/2	1.27	0.90	1179.40	2.40	6.31	20.31	65.31	14.37	13.49	0.0288	13.61	30.27	-7.08	
96	149	3/2 ⁺		1.29	0.89	1183.08	3.68	6.09	0.92	94.41	4.40	12.24	0.0338	13.70	30.87	-7.43	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 53 (I)																	
97	150	3/2 ⁺	5/2 ⁻	1.29	0.88	1185.15	2.07	5.75	17.66	54.72	26.94	14.33	0.0197	14.18	31.49	-7.72	
98	151	3/2 ⁺		1.29	0.87	1188.55	3.41	5.47	0.95	92.41	4.41	13.19	0.0195	14.29	32.10	-8.05	
99	152	3/2 ⁺	1/2 ⁻	1.29	0.87	1190.54	1.99	5.39	11.11	21.76	64.66	15.10	0.0175	14.94	32.72	-8.59	
100	153	3/2 ⁺		1.28	0.87	1193.63	3.09	5.08	0.88	73.32	22.07	14.10	0.0127	14.99	33.26	-8.88	
101	154	3/2 ⁺	5/2 ⁻	1.28	0.86	1195.41	1.78	4.87	7.62	18.86	69.33	16.02	0.0106	15.54	33.87	-9.30	
102	155	3/2 ⁺		1.27	0.84	1198.26	2.85	4.63	0.82	43.94	47.20	15.10	0.0084	15.57	34.43	-9.60	
103	156	9/2 ⁺	5/2 ⁻	1.28	0.82	1199.89	1.63	4.48	0.61	11.76	76.44	16.86	0.0068	16.16	35.17	-10.06	
104	157	9/2 ⁺		1.26	0.80	1202.27	2.39	4.02	0.00	22.66	50.14	15.99	0.0052	16.24	35.69	-10.15	
105	158	9/2 ⁺	7/2 ⁻	1.25	0.83	1203.27	1.00	3.38	0.01	0.95	53.43	17.85	0.0040	16.68	36.13	-10.26	
106	159	9/2 ⁺		1.24	0.83	1205.48	2.20	3.20	0.05	4.79	18.21	16.70	0.0041	16.74	36.61	-10.60	
107	160	9/2 ⁺	9/2 ⁺	1.23	0.82	1206.32	0.85	3.05	0.07	0.00	9.18	18.49	0.0041	17.23	37.13	-10.89	
108	161	9/2 ⁺		1.22	0.80	1208.36	2.03	2.88	0.12	0.32	6.29	17.35	0.0034	17.33	37.68	-11.20	
109	162	9/2 ⁺	1/2 ⁻	1.21	0.80	1209.09	0.73	2.76	0.16	1.98	1.77	19.11	0.0033	17.72	38.05	-11.60	
110	163	9/2 ⁺		1.21	0.79	1211.01	1.92	2.65	0.00	0.58	1.02	17.93	0.0030	17.82	38.56	-12.04	
111	164	9/2 ⁺	3/2 ⁻	1.20	0.78	1211.56	0.55	2.48	0.01	0.27	4.14	19.69	0.0027	18.17	39.06	-12.23	
112	165	3/2 ⁺		1.18	0.82	1213.15	1.59	2.15	0.00	0.43	1.01	18.65	0.0023	18.04	39.30	-12.41	
113	166	3/2 ⁺	3/2 ⁻	1.18	0.80	1213.57	0.42	2.01	0.00	0.00	2.03	20.42	0.0023	18.55	39.69	-12.78	
114	167	3/2 ⁺		1.16	0.79	1215.21	1.63	2.05	0.00	0.35	0.00	19.18	0.0019	18.44	40.01	-13.05	
115	168	3/2 ⁺	11/2 ⁺	1.15	0.78	1215.69	0.49	2.12	0.00	0.00	0.32	20.60	0.0022	18.96	40.60	-13.52	
116	169	3/2 ⁺		1.15	0.75	1217.09	1.40	1.88	0.00	0.31	0.00	19.56	0.0017	18.94	40.68	-13.60	
117	170	3/2 ⁺	11/2 ⁺	1.14	0.74	1217.31	0.22	1.62	0.00	0.00	0.26	21.34	0.0016	19.02	41.11	-13.93	
118	171	3/2 ⁺		1.12	0.70	1218.99	1.67	1.90	0.00	0.22	0.00	19.74	0.0015	19.39	41.84	-14.28	
119	172	5/2 ⁺	1/2 ⁺	1.09	0.73	1218.81	-0.18	1.50	0.01	0.05	0.31	21.72	0.0014	19.85	42.17	-14.31	
120	173	5/2 ⁺		1.09	0.69	1220.03	1.22	1.04	0.00	0.19	0.00	20.61	0.0012	19.67	42.92	-14.59	
121	174	5/2 ⁺	1/2 ⁻	1.09	0.68	1219.98	-0.05	1.17	0.00	0.00	0.11	22.22	0.0011	20.12	43.07	-15.04	
122	175	5/2 ⁺		1.09	0.63	1221.23	1.24	1.20	0.00	0.08	0.00	21.02	0.0011	20.00		-15.82	
123	176	5/2 ⁺	3/2 ⁻	1.09	0.60	1221.68	0.45	1.70	0.00	0.00	0.04	22.33	0.0011	20.51		-16.48	
124	177	5/2 ⁺		1.09	0.57	1222.90	1.22	1.67	0.00	0.09	0.00	21.40	0.0010	20.52			
125	178	5/2 ⁺	1/2 ⁻	1.09	0.59	1223.16	0.26	1.48	0.00	0.00	0.05	22.73	0.0010				
126	179	3/2 ⁺		1.09	0.82	1223.97	0.81	1.07	0.28	0.00	0.00	22.31	0.0007				
Z = 54 (Xe)																	
49	103		9/2 ⁺	1.27	1.39	794.39						20.31	0.0047	-3.26	-8.05	2.31	10 ^{9.70}
50	104			1.27	1.45	813.05	18.66					15.36	0.0124	-2.43	-7.58	2.80	10 ^{3.72}
51	105		1/2 ⁺	1.21	1.31	826.77	13.72	32.38				16.92	0.0111	-2.42	-6.31	3.97	10 ^{-2.99}
52	106			1.18	1.25	842.82	16.04	29.77				12.95	0.0447	-1.65	-5.25	6.11	10 ^{-11.96}
53	107		1/2 ⁺	1.16	1.24	855.63	12.82	28.86				14.27	0.0411	-0.92	-3.43	5.75	10 ^{-9.88}
54	108			1.14	1.22	870.84	15.21	28.02				10.57	0.1895	0.15	-1.99	5.53	10 ^{-10.28}
55	109		3/2 ⁺	1.13	1.22	882.56	11.72	26.92				11.99	0.1701	0.36	-0.76	4.81	10 ^{-6.72}
56	110			1.11	1.22	896.52	13.96	25.68				8.96	0.6187	1.19	0.24	4.61	10 ^{-6.99}
57	111		1/2 ⁻	1.10	1.23	907.54	11.02	24.98				10.45	0.8058	1.28	1.18	4.08	10 ^{-3.55}
58	112			1.11	1.23	920.95	13.41	24.43				7.49	2.0679	2.18	2.24	3.63	10 ^{-2.18}
59	113		3/2 ⁻	1.13	1.23	931.57	10.63	24.04				8.79	2.1606	2.36	3.29	3.08	10 ^{2.53}
60	114			1.13	1.22	944.35	12.78	23.40				6.07	8.9808	3.20	4.24	2.65	10 ^{5.06}
61	115		3/2 ⁺	1.14	1.19	954.50	10.15	22.92				7.31	7.5922	3.29	5.18	2.08	10 ^{12.58}
62	116			1.15	1.19	966.65	12.15	22.30				4.67	44.2964	4.06	6.05	1.76	10 ^{16.34}
63	117		5/2 ⁺	1.16	1.17	976.17	9.53	21.67				6.09	14.0033	4.08	6.69	1.44	> 10 ²⁰
64	118			1.15	1.17	987.85	11.67	21.20				3.39	> 100	4.80	7.53	1.05	> 10 ²⁰
65	119		5/2 ⁻	1.17	1.15	996.90	9.06	20.73				4.86	> 100	4.88	8.62	0.87	> 10 ²⁰
66	120			1.16	1.14	1008.10	11.20	20.26				2.18	> 100	5.56	9.18	0.51	> 10 ²⁰
67	121		1/2 ⁺	1.18	1.11	1016.69	8.58	19.78				3.48	> 100	5.62	9.91	-0.11	
68	122			1.15	1.12	1027.42	10.73	19.31				0.81	> 100	6.47	10.47	-0.19	
69	123		7/2 ⁻	1.19	1.08	1035.57	8.16	18.89				2.36	> 100	6.57	11.19	-0.50	
70	124			1.16	1.12	1045.70	10.13	18.28				...	β -stable	6.98	11.66	-0.46	
71	125		7/2 ⁻	1.16	1.10	1053.44	7.74	17.87				1.43	> 100	7.16	12.42	-0.77	
72	126			1.15	1.14	1063.16	9.72	17.47				...	β -stable	7.51	12.71	-0.83	
73	127		7/2 ⁻	1.16	1.14	1070.47	7.30	17.02				0.76	> 100	7.53	13.36	-1.15	
74	128			1.16	1.16	1079.97	9.50	16.81				...	β -stable	7.96	13.70	-1.22	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 54 (Xe)																	
75	129		9/2 ⁻	1.16	1.13	1086.98	7.01	16.51				0.17		7.93	14.35	-1.58	
76	130			1.17	1.19	1096.27	9.29	16.30				...	β -stable	8.34	14.59	-1.71	
77	131		3/2 ⁻	1.17	1.14	1103.09	6.81	16.11				...	β -stable	8.40	15.02	-2.16	
78	132			1.22	1.24	1112.37	9.29	16.10				...	β -stable	8.94	15.75	-2.39	
79	133		3/2 ⁻	1.22	1.15	1119.17	6.79	16.08	100.00	0.00	0.00	...	β -stable	9.13	16.60	-2.81	
80	134			1.22	1.08	1128.06	8.90	15.69				...	β -stable	9.46	17.06	-3.14	
81	135		11/2 ⁻	1.21	1.08	1134.38	6.32	15.22	100.00	0.00	0.00	0.96	> 100	9.60	17.71	-3.52	
82	136			1.21	1.21	1142.62	8.24	14.56				...	β -stable	10.17	18.44	-3.32	
83	137		7/2 ⁻	1.20	1.03	1146.76	4.14	12.38	100.00	0.00	0.00	3.79	> 100	10.31	19.18	-1.79	
84	138			1.19	0.96	1152.21	5.44	9.59	100.00	0.00	0.00	3.15	> 100	10.75	19.68	0.27	> 10 ²⁰
85	139		3/2 ⁻	1.16	0.94	1155.20	2.99	8.43	100.00	0.00	0.00	5.58	3.9297	11.31	20.14	0.68	> 10 ²⁰
86	140			1.16	0.93	1160.50	5.30	8.29	100.00	0.00	0.00	3.82	4.0304	11.79	21.02	0.32	> 10 ²⁰
87	141		1/2	1.16	0.90	1163.80	3.30	8.60	100.00	0.00	0.00	6.23	0.7567	12.12	22.58	-0.44	
88	142			1.16	0.90	1169.11	5.31	8.61	99.99	0.01	0.00	5.04	0.8579	12.83	23.57	-1.34	
89	143		5/2	1.17	0.92	1172.15	3.04	8.36	99.40	0.60	0.00	7.40	0.5466	13.13	24.66	-2.64	
90	144			1.20	0.90	1177.08	4.92	7.97	99.15	0.85	0.00	6.27	0.2849	13.57	25.27	-3.24	
91	145		3/2	1.24	0.86	1179.85	2.78	7.70	97.05	2.95	0.00	8.52	0.2671	13.67	25.94	-4.07	
92	146			1.25	0.82	1184.83	4.98	7.75	97.44	2.56	0.00	6.85	0.2887	14.40	26.72	-4.72	
93	147		3/2 ⁻	1.26	0.87	1187.63	2.80	7.78	93.29	6.71	0.01	9.12	0.1004	14.54	27.54	-5.42	
94	148			1.26	0.85	1192.11	4.48	7.28	88.98	11.02	0.00	8.00	0.1234	15.12	28.16	-5.71	
95	149		5/2	1.27	0.88	1194.54	2.43	6.91	64.61	35.10	0.28	10.07	0.1050	15.14	28.76	-6.15	
96	150			1.28	0.86	1198.69	4.16	6.58	73.37	26.61	0.03	8.96	0.0704	15.61	29.32	-6.45	
97	151		5/2 ⁻	1.29	0.86	1200.96	2.26	6.42	77.81	21.36	0.84	10.92	0.0364	15.81	29.99	-6.88	
98	152			1.29	0.84	1204.86	3.90	6.17	57.94	41.46	0.60	9.90	0.0371	16.31	30.59	-7.19	
99	153		1/2 ⁻	1.29	0.85	1206.94	2.08	5.99	39.15	58.43	2.42	11.83	0.0304	16.41	31.34	-7.68	
100	154			1.29	0.85	1210.65	3.70	5.79	33.55	64.90	1.54	10.70	0.0237	17.02	32.01	-8.09	
101	155		7/2 ⁺	1.30	0.83	1212.57	1.92	5.63	32.06	58.10	9.69	12.61	0.0223	17.16	32.70	-8.68	
102	156			1.29	0.82	1215.97	3.39	5.32	31.79	65.51	2.33	11.68	0.0150	17.71	33.28	-9.03	
103	157		5/2 ⁻	1.29	0.82	1217.48	1.51	4.90	21.13	53.37	24.54	13.63	0.0121	17.59	33.75	-9.31	
104	158			1.28	0.80	1220.34	2.86	4.38	11.98	81.88	3.91	12.78	0.0094	18.07	34.30	-9.36	
105	159		7/2 ⁻	1.26	0.83	1221.40	1.05	3.92	14.02	37.03	46.53	14.64	0.0066	18.12	34.80	-9.38	
106	160			1.25	0.82	1224.03	2.63	3.69	6.11	49.77	38.64	13.48	0.0068	18.56	35.29	-9.70	
107	161		9/2 ⁺	1.24	0.82	1224.93	0.89	3.53	0.09	11.51	76.52	15.32	0.0067	18.60	35.83	-10.04	
108	162			1.24	0.80	1227.42	2.49	3.38	1.36	32.30	53.70	14.18	0.0053	19.06	36.38	-10.38	
109	163		1/2 ⁻	1.23	0.80	1228.15	0.74	3.23	2.82	7.26	74.10	15.96	0.0050	19.07	36.79	-10.76	
110	164			1.22	0.79	1230.47	2.32	3.06	1.71	18.05	62.69	14.82	0.0044	19.47	37.28	-11.15	
111	165		3/2 ⁻	1.22	0.79	1231.03	0.55	2.87	3.24	1.76	29.79	16.59	0.0040	19.46	37.63	-11.37	
112	166			1.20	0.80	1233.21	2.19	2.74	0.98	12.24	18.56	15.40	0.0035	20.06	38.10	-11.73	
113	167		7/2 ⁻	1.19	0.78	1233.61	0.39	2.58	0.77	3.80	14.38	17.27	0.0032	20.03	38.58	-11.91	
114	168			1.18	0.77	1235.51	1.90	2.30	0.00	6.57	9.24	16.16	0.0026	20.30	38.74	-12.10	
115	169		11/2 ⁺	1.18	0.78	1235.87	0.36	2.26	0.01	0.00	7.49	17.77	0.0028	20.17	39.14	-12.55	
116	170			1.16	0.75	1237.87	2.00	2.36	0.00	2.74	4.68	16.51	0.0023	20.78	39.72	-12.81	
117	171		11/2 ⁺	1.15	0.74	1237.95	0.07	2.08	0.00	0.00	4.12	18.33	0.0021	20.63	39.65	-12.92	
118	172			1.14	0.71	1239.75	1.81	1.88	0.00	2.00	3.05	17.24	0.0017	20.77	40.15	-13.30	
119	173		1/2 ⁺	1.10	0.72	1239.86	0.10	1.91	0.19	0.00	1.70	18.89	0.0016	21.04	40.89	-13.26	
120	174			1.10	0.70	1241.42	1.57	1.67	0.00	0.07	3.60	18.01	0.0014	21.39	41.06	-13.52	
121	175		1/2 ⁻	1.10	0.68	1241.47	0.05	1.61	0.00	0.00	1.10	19.19	0.0015	21.48	41.60	-14.21	
122	176			1.10	0.62	1243.23	1.76	1.81	0.00	0.02	0.58	17.90	0.0014	22.00	42.00	-14.58	
123	177		3/2 ⁻	1.10	0.60	1243.53	0.29	2.06	0.00	0.19	0.32	19.36	0.0014	21.84	42.35	-15.36	
124	178			1.10	0.58	1245.11	1.58	1.87	0.00	0.14	0.39	18.53	0.0012	22.20	42.72	-15.58	
125	179		1/2 ⁻	1.10	0.57	1245.50	0.39	1.97	0.00	0.03	0.05	19.75	0.0012	22.33		-16.03	
126	180			1.10	0.82	1246.56	1.06	1.45	0.55	0.03	0.00	19.45	0.0009	22.58		-15.87	
127	181		1/2 ⁺	1.10	0.73	1244.27	-2.28	-1.23	5.51	0.00	0.61	22.92	0.0006				
128	182			1.10	0.67	1243.25	-1.02	-3.31	0.00	0.00	...	22.04	0.0007				
Z = 55 (Cs)																	
51	106	3/2 ⁺	1/2 ⁺	1.22	1.32	821.95						20.08	0.0062	-4.82	-7.24	3.99	10 ^{-2.45}
52	107	3/2 ⁺		1.19	1.27	838.28	16.33					16.57	0.0145	-4.53	-6.19	5.50	10 ^{-8.91}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 55 (Cs)																	
53	108	3/2	1/2	1.16	1.26	852.01	13.73	30.06				18.05	0.0135	-3.62	-4.54	5.47	$10^{-8.50}$
54	109	3/2 ⁺		1.14	1.23	867.44	15.42	29.16				14.34	0.0402	-3.40	-3.25	5.33	$10^{-8.35}$
55	110	3/2	3/2	1.09	1.22	880.58	13.14	28.56				15.16	0.0614	-1.98	-1.62	4.27	$10^{-3.83}$
56	111	3/2		1.07	1.22	895.09	14.51	27.65				11.67	0.1795	-1.43	-0.24	3.90	$10^{-2.28}$
57	112	3/2	1/2	1.08	1.22	906.78	11.69	26.20				13.39	0.2298	-0.76	0.52	3.71	$10^{-0.90}$
58	113	3/2 ⁺		1.11	1.24	920.19	13.41	25.10				10.60	0.4321	-0.76	1.42	3.43	$10^{0.50}$
59	114	1/2 ⁺	3/2 ⁻	1.13	1.22	931.53	11.34	24.75				12.04	0.4794	-0.04	2.31	3.02	$10^{3.77}$
60	115	1/2 ⁻		1.14	1.20	944.66	13.13	24.47				9.06	0.9484	0.31	3.51	2.41	$10^{9.13}$
61	116	1/2 ⁺	3/2 ⁺	1.16	1.17	955.44	10.78	23.91				10.43	1.4550	0.94	4.23	2.08	$10^{13.58}$
62	117	3/2 ⁺		1.16	1.17	967.74	12.30	23.08				7.65	4.1249	1.09	5.15	1.71	$10^{19.16}$
63	118	3/2 ⁺	5/2 ⁻	1.16	1.16	977.92	10.19	22.49				9.14	8.8855	1.75	5.83	1.58	$> 10^{20}$
64	119	3/2 ⁺		1.16	1.16	989.67	11.74	21.93				6.45	15.2496	1.82	6.62	1.22	$> 10^{20}$
65	120	1/2 ⁺	5/2 ⁻	1.17	1.14	999.40	9.73	21.48				7.92	20.6328	2.50	7.38	0.99	$> 10^{20}$
66	121	1/2 ⁺		1.16	1.14	1010.70	11.30	21.04				5.20	30.6129	2.60	8.16	0.64	$> 10^{20}$
67	122	1/2 ⁺	1/2 ⁺	1.16	1.11	1019.98	9.27	20.58				6.65	13.2977	3.29	8.91	0.34	$> 10^{20}$
68	123	1/2 ⁺		1.16	1.10	1030.73	10.76	20.03				4.06	> 100	3.32	9.79	0.11	$> 10^{20}$
69	124	1/2 ⁺	7/2 ⁻	1.17	1.07	1039.55	8.82	19.57				5.36	> 100	3.98	10.55	-0.19	
70	125	1/2 ⁺		1.17	1.10	1049.61	10.06	18.88				3.05	> 100	3.91	10.90	-0.37	
71	126	1/2 ⁺	7/2 ⁻	1.17	1.08	1057.95	8.33	18.40				4.43	> 100	4.50	11.66	-0.65	
72	127	1/2 ⁺		1.15	1.10	1067.72	9.77	18.10				1.97	> 100	4.55	12.06	-0.70	
73	128	1/2 ⁺	7/2 ⁻	1.16	1.10	1075.58	7.86	17.64				3.60	> 100	5.12	12.65	-1.00	
74	129	1/2 ⁺		1.17	1.11	1085.06	9.47	17.34				1.14	> 100	5.09	13.05	-1.10	
75	130	1/2 ⁺	9/2 ⁻	1.17	1.08	1092.62	7.57	17.04	100.00	0.00	0.00	$\pm$	$\pm$	5.64	13.57	-1.39	
76	131	1/2 ⁺		1.17	1.10	1101.75	9.13	16.70				0.55	> 100	5.48	13.82	-1.45	
77	132	1/2 ⁺	1/2 ⁺	1.18	1.11	1108.99	7.24	16.36	100.00	0.00	0.00	$\pm$	$\pm$	5.90	14.30	-1.64	
78	133	5/2 ⁺		1.20	1.11	1118.13	9.14	16.38				0.25		5.76	14.70	-1.90	
79	134	5/2 ⁺	1/2 ⁻	1.20	1.04	1125.29	7.16	16.30	100.00	0.00	0.00	$\pm$	$\pm$	6.12	15.25	-2.30	
80	135	3/2 ⁺		1.25	1.08	1134.56	9.27	16.43	100.00	0.00	0.00	...	β -stable	6.49	15.96	-2.83	
81	136	5/2 ⁺	11/2 ⁻	1.24	1.08	1141.48	6.92	16.20	100.00	0.00	0.00	$\pm$	$\pm$	7.10	16.70	-3.15	
82	137	5/2 ⁺		1.24	1.21	1149.77	8.29	15.22	100.00	0.00	0.00	1.07	> 100	7.15	17.32	-2.88	
83	138	5/2 ⁺	1/2 ⁻	1.22	1.04	1154.57	4.80	13.09	100.00	0.00	0.00	5.17	> 100	7.81	18.12	-1.50	
84	139	5/2 ⁺		1.22	0.96	1160.00	5.42	10.22	100.00	0.00	0.00	4.49	> 100	7.79	18.54	0.75	$> 10^{20}$
85	140	1/2 ⁺	1/2 ⁻	1.17	0.94	1163.53	3.54	8.96	100.00	0.00	0.00	7.19	2.1388	8.34	19.65	1.21	$> 10^{20}$
86	141	3/2		1.15	0.92	1169.24	5.71	9.25	99.99	0.01	0.00	5.08	12.6532	8.74	20.53	0.51	$> 10^{20}$
87	142	3/2	1/2	1.14	0.90	1173.37	4.13	9.84	99.98	0.02	0.00	7.34	1.4700	9.57	21.70	-1.19	
88	143	3/2		1.15	0.91	1178.77	5.40	9.53	99.73	0.27	0.00	6.24	1.9648	9.66	22.49	-1.77	
89	144	3/2	5/2	1.16	0.91	1182.57	3.80	9.20	99.25	0.75	0.00	8.60	1.4130	10.42	23.55	-2.60	
90	145	3/2		1.18	0.89	1187.60	5.03	8.83	97.82	2.18	0.00	7.39	0.3999	10.52	24.09	-3.02	
91	146	3/2	3/2	1.21	0.85	1190.90	3.30	8.33	62.21	37.79	0.00	9.69	0.8202	11.05	24.72	-3.58	
92	147	3/2 ⁺		1.22	0.82	1195.97	5.07	8.37	87.89	12.11	0.00	8.24	0.2111	11.14	25.53	-4.16	
93	148	3/2 ⁺	3/2 ⁻	1.24	0.86	1199.33	3.36	8.43	81.97	18.03	0.00	10.51	0.1505	11.70	26.24	-4.85	
94	149	3/2		1.23	0.85	1203.83	4.50	7.86	40.52	59.48	0.00	9.56	0.1906	11.72	26.84	-5.10	
95	150	3/2	3/2	1.24	0.85	1206.87	3.04	7.54	13.63	84.89	1.48	11.63	0.1536	12.33	27.47	-5.48	
96	151	3/2		1.25	0.85	1211.10	4.23	7.26	13.74	85.85	0.40	10.59	0.0889	12.40	28.01	-5.81	
97	152	1/2 ⁻	5/2 ⁻	1.27	0.85	1213.98	2.89	7.12	44.48	53.66	1.86	12.44	0.0297	13.03	28.84	-6.29	
98	153	1/2 ⁺		1.28	0.84	1217.99	4.01	6.89	13.08	85.33	1.60	11.35	0.0495	13.13	29.44	-6.61	
99	154	1/2 ⁺	1/2 ⁻	1.29	0.85	1220.57	2.58	6.59	14.41	73.23	12.35	13.29	0.0424	13.63	30.03	-7.13	
100	155	1/2 ⁺		1.29	0.82	1224.40	3.83	6.41	3.74	92.90	3.27	12.14	0.0327	13.75	30.77	-7.55	
101	156	1/2 ⁺	7/2 ⁺	1.29	0.83	1226.87	2.46	6.30	2.97	63.70	33.11	13.98	0.0309	14.29	31.45	-8.03	
102	157	1/2 ⁺		1.29	0.81	1230.33	3.46	5.93	0.47	92.90	5.77	13.06	0.0207	14.36	32.07	-8.40	
103	158	1/2 ⁺	5/2 ⁻	1.29	0.82	1232.34	2.01	5.47	5.65	37.95	54.91	15.07	0.0162	14.86	32.45	-8.63	
104	159	1/2 ⁺		1.28	0.80	1235.25	2.91	4.92	0.36	60.85	35.94	14.17	0.0123	14.91	32.98	-8.70	
105	160	1/2 ⁺	7/2 ⁻	1.27	0.83	1236.73	1.48	4.39	1.50	15.78	77.90	16.11	0.0079	15.33	33.46	-8.54	
106	161	1/2 ⁺		1.26	0.82	1239.47	2.74	4.22	0.20	30.35	61.87	14.94	0.0086	15.44	33.99	-8.90	
107	162	1/2 ⁺	9/2 ⁺	1.25	0.81	1240.81	1.35	4.09	0.19	0.03	56.03	16.77	0.0083	15.89	34.49	-9.25	
108	163	1/2 ⁺		1.25	0.80	1243.33	2.52	3.86	0.01	14.91	22.74	15.62	0.0067	15.91	34.97	-9.56	
109	164	1/2 ⁺	1/2 ⁻	1.25	0.80	1244.51	1.18	3.69	2.46	0.20	28.43	17.39	0.0064	16.36	35.42	-9.89	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 55 (Cs)																	
110	165	1/2 ⁺		1.24	0.79	1246.84	2.33	3.51	0.01	3.36	15.02	16.29	0.0054	16.36	35.83	-10.18	
111	166	1/2 ⁺	3/2 ⁻	1.23	0.78	1247.83	0.99	3.32	0.00	3.42	16.97	18.03	0.0050	16.80	36.27	-10.45	
112	167	1/2 ⁺		1.22	0.78	1250.10	2.27	3.26	0.01	2.22	12.07	16.78	0.0044	16.89	36.94	-10.80	
113	168	1/2 ⁺	7/2 ⁻	1.21	0.78	1250.88	0.78	3.06	0.00	0.12	8.41	18.63	0.0040	17.28	37.31	-11.03	
114	169	1/2 ⁺		1.20	0.77	1252.86	1.97	2.76	0.01	2.49	1.20	17.64	0.0032	17.35	37.65	-11.41	
115	170	1/2 ⁺	11/2 ⁺	1.20	0.77	1253.60	0.75	2.72	0.00	0.03	3.07	19.21	0.0033	17.73	37.91	-11.73	
116	171	1/2 ⁺		1.18	0.75	1255.49	1.89	2.64	0.00	0.04	2.42	18.07	0.0027	17.62	38.40	-11.99	
117	172	1/2 ⁺	9/2 ⁻	1.16	0.71	1256.21	0.72	2.61	0.00	0.01	3.92	19.63	0.0022	18.27	38.90	-12.22	
118	173	5/2 ⁺		1.15	0.70	1257.97	1.75	2.47	0.00	0.17	1.51	18.71	0.0019	18.21	38.98	-12.58	
119	174	5/2 ⁺	3/2 ⁻	1.14	0.72	1258.65	0.68	2.43	0.00	0.09	0.32	20.06	0.0020	18.79	39.84	-13.04	
120	175	3/2 ⁺		1.12	0.68	1259.87	1.22	1.91	0.24	0.04	0.00	19.48	0.0017	18.45	39.84	-12.59	
121	176	3/2 ⁺	1/2 ⁻	1.12	0.67	1260.35	0.48	1.70	0.00	0.17	0.02	20.58	0.0018	18.88	40.36	-13.24	
122	177	3/2 ⁺		1.12	0.62	1262.11	1.76	2.24	0.12	0.00	0.04	19.46	0.0016	18.87	40.88	-13.78	
123	178	3/2 ⁺	3/2 ⁻	1.12	0.59	1262.86	0.75	2.51	0.04	0.03	0.23	20.68	0.0017	19.33	41.18	-14.58	
124	179	3/2 ⁺		1.12	0.58	1264.46	1.60	2.36	0.02	0.08	0.00	19.83	0.0016	19.35	41.56	-14.94	
125	180	5/2 ⁺	1/2 ⁻	1.12	0.57	1265.22	0.76	2.36	0.00	0.01	0.06	21.08	0.0016	19.73	42.06	-15.24	
126	181	5/2 ⁺		1.11	0.83	1266.41	1.19	1.95	0.34	0.28	0.07	20.77	0.0011	19.86	42.44	-15.21	
127	182	5/2 ⁺	1/2 ⁺	1.11	0.73	1264.50	-1.91	-0.72	0.00	0.00	4.18	24.08	0.0009	20.23		-13.04	
128	183	5/2 ⁺		1.11	0.67	1263.66	-0.85	-2.76	0.00	0.00	...	23.09	0.0009	20.41		-11.39	
129	184	5/2 ⁺	3/2 ⁺	1.12	0.68	1261.41	-2.24	-3.09	0.00	0.00	0.00	25.10	0.0007				
130	185	1/2		1.11	0.68	1260.48	-0.93	-3.18	0.00	0.00	0.00	23.76	0.0008				
Z = 56 (Ba)																	
52	108			1.20	1.29	835.89						15.34	0.0119	-2.39	-6.93	5.45	10 ^{-9.04}
53	109		1/2 ⁺	1.15	1.27	849.78	13.89					16.87	0.0100	-2.23	-5.85	5.28	10 ^{-7.39}
54	110			1.12	1.24	866.26	16.47	30.37				13.54	0.0266	-1.18	-4.59	4.86	10 ^{-6.87}
55	111		3/2	1.08	1.24	879.64	13.38	29.85				14.67	0.0302	-0.94	-2.92	4.29	10 ^{-3.37}
56	112			1.11	1.26	894.88	15.24	28.62				11.12	0.1006	-0.21	-1.64	4.26	10 ^{-4.26}
57	113		1/2 ⁻	1.11	1.25	906.83	11.95	27.19				12.58	0.1013	0.05	-0.71	4.02	10 ^{-2.01}
58	114			1.12	1.25	921.26	14.43	26.38				9.49	0.3206	1.07	0.31	3.55	10 ^{-0.36}
59	115		3/2 ⁻	1.13	1.22	932.89	11.63	26.06				10.98	0.2415	1.36	1.32	2.94	10 ^{5.14}
60	116			1.15	1.20	946.85	13.95	25.58				7.81	1.2342	2.19	2.49	2.40	10 ^{9.37}
61	117		3/2 ⁺	1.16	1.18	957.77	10.92	24.87				9.19	1.3774	2.33	3.27	2.11	10 ^{14.10}
62	118			1.15	1.16	970.74	12.98	23.90				6.40	4.4964	3.01	4.10	1.90	10 ^{16.05}
63	119		5/2 ⁻	1.16	1.14	981.04	10.29	23.27				7.85	4.2406	3.11	4.86	1.76	10 ^{19.59}
64	120			1.16	1.14	993.43	12.40	22.69				5.18	18.2512	3.77	5.59	1.51	> 10 ²⁰
65	121		5/2 ⁺	1.17	1.13	1003.23	9.80	22.19				6.69	6.0327	3.83	6.33	1.24	> 10 ²⁰
66	122			1.16	1.12	1015.20	11.97	21.77				3.99	75.5710	4.50	7.10	0.94	> 10 ²⁰
67	123		1/2 ⁺	1.17	1.10	1024.57	9.36	21.33				5.39	20.6501	4.59	7.88	0.63	> 10 ²⁰
68	124			1.17	1.08	1035.98	11.41	20.78				2.79	> 100	5.25	8.57	0.42	> 10 ²⁰
69	125		7/2 ⁻	1.18	1.06	1044.86	8.88	20.30				3.97	> 100	5.31	9.29	0.12	> 10 ²⁰
70	126			1.17	1.05	1055.67	10.81	19.69				1.50	> 100	6.05	9.97	0.04	> 10 ²⁰
71	127		5/2 ⁺	1.19	1.05	1064.00	8.33	19.14				2.94	> 100	6.05	10.56	-0.13	
72	128			1.17	1.06	1074.22	10.22	18.56				0.58	> 100	6.51	11.06	-0.23	
73	129		7/2 ⁺	1.17	1.05	1082.14	7.92	18.14				2.13	> 100	6.56	11.68	-0.40	
74	130			1.17	1.10	1092.04	9.90	17.82				...	β -stable	6.99	12.07	-0.58	
75	131		9/2 ⁻	1.18	1.09	1099.61	7.57	17.47				1.36	> 100	6.99	12.63	-0.85	
76	132			1.19	1.09	1109.24	9.63	17.20				...	β -stable	7.49	12.97	-0.98	
77	133		1/2 ⁺	1.19	1.11	1116.48	7.24	16.87				0.86	> 100	7.50	13.40	-1.21	
78	134			1.22	1.09	1126.13	9.65	16.89				...	β -stable	8.01	13.76	-1.57	
79	135		1/2 ⁻	1.22	1.03	1133.28	7.14	16.79				0.50		7.99	14.11	-1.89	
80	136			1.27	1.08	1143.08	9.80	16.95				...	β -stable	8.52	15.02	-2.41	
81	137		11/2 ⁻	1.25	1.08	1150.06	6.98	16.78				...	β -stable	8.57	15.67	-2.60	
82	138			1.26	1.21	1158.96	8.90	15.88				...	β -stable	9.19	16.34	-2.60	
83	139		7/2 ⁻	1.25	1.04	1163.71	4.75	13.65	100.00	0.00	0.00	2.18	> 100	9.13	16.94	-1.03	
84	140			1.26	0.97	1169.94	6.23	10.98	100.00	0.00	0.00	1.16	> 100	9.94	17.73	0.98	> 10 ²⁰
85	141		1/2 ⁻	1.18	0.94	1173.54	3.60	9.83	100.00	0.00	0.00	3.98	4.0619	10.00	18.34	1.52	> 10 ²⁰
86	142			1.15	0.91	1179.92	6.39	9.98	100.00	0.00	0.00	1.71	53.5423	10.68	19.43	0.58	> 10 ²⁰

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 56 (Ba)																	
87	143		1/2	1.14	0.91	1184.23	4.30	10.69	100.00	0.00	0.00	4.03	2.9216	10.86	20.43	-0.74	
88	144			1.14	0.92	1190.38	6.15	10.46	100.00	0.00	0.00	2.86	6.6320	11.61	21.27	-1.59	
89	145		5/2	1.15	0.90	1194.21	3.83	9.98	100.00	0.00	0.00	5.37	9.6760	11.64	22.06	-2.12	
90	146			1.17	0.89	1199.81	5.60	9.43	100.00	0.00	0.00	4.04	2.4397	12.21	22.73	-2.40	
91	147		3/2	1.19	0.87	1203.42	3.61	9.22	100.00	0.00	0.00	6.24	4.1814	12.52	23.57	-2.97	
92	148			1.20	0.86	1209.05	5.63	9.24	99.99	0.01	0.00	5.11	1.1877	13.08	24.22	-3.68	
93	149		3/2 ⁻	1.22	0.85	1212.60	3.55	9.18	99.86	0.14	0.00	7.34	0.3183	13.27	24.97	-4.45	
94	150			1.23	0.84	1217.71	5.11	8.66	99.16	0.84	0.00	6.41	0.4281	13.88	25.60	-4.59	
95	151		5/2 ⁺	1.24	0.85	1220.90	3.19	8.30	93.50	6.50	0.00	8.43	0.3596	14.03	26.36	-4.97	
96	152			1.25	0.83	1225.64	4.74	7.92	94.27	5.73	0.00	7.41	0.2069	14.54	26.94	-5.23	
97	153		5/2 ⁻	1.26	0.84	1228.55	2.91	7.65	96.66	3.34	0.00	9.34	0.0751	14.57	27.60	-5.72	
98	154			1.26	0.82	1233.08	4.53	7.44	91.96	8.04	0.00	8.24	0.0955	15.09	28.22	-6.09	
99	155		1/2 ⁻	1.27	0.83	1235.76	2.68	7.21	72.31	27.41	0.28	10.13	0.0768	15.19	28.82	-6.51	
100	156			1.28	0.81	1240.07	4.31	6.99	74.18	25.80	0.02	8.98	0.0613	15.66	29.42	-6.91	
101	157		7/2 ⁺	1.28	0.82	1242.61	2.54	6.85	40.88	58.27	0.85	10.79	0.0561	15.74	30.03	-7.37	
102	158			1.28	0.79	1246.63	4.02	6.56	52.85	46.92	0.24	9.82	0.0359	16.30	30.66	-7.68	
103	159		5/2 ⁻	1.28	0.81	1248.64	2.01	6.03	47.29	50.43	2.27	11.92	0.0238	16.30	31.16	-7.76	
104	160			1.28	0.80	1252.06	3.42	5.43	39.39	59.13	1.48	10.93	0.0198	16.81	31.71	-7.79	
105	161		7/2 ⁻	1.27	0.82	1253.62	1.57	4.99	19.93	65.07	14.76	12.83	0.0122	16.89	32.22	-7.85	
106	162			1.27	0.81	1256.80	3.18	4.75	18.83	75.54	4.58	11.65	0.0138	17.33	32.77	-8.16	
107	163		9/2 ⁺	1.26	0.80	1258.17	1.36	4.54	9.37	26.65	62.01	13.47	0.0127	17.35	33.24	-8.47	
108	164			1.26	0.79	1261.11	2.95	4.31	16.24	76.65	4.83	12.37	0.0099	17.78	33.70	-8.79	
109	165		1/2 ⁻	1.26	0.80	1262.35	1.23	4.18	4.88	28.52	63.17	14.11	0.0090	17.84	34.19	-9.12	
110	166			1.25	0.79	1265.07	2.73	3.96	3.05	60.67	32.21	12.98	0.0080	18.24	34.60	-9.36	
111	167		3/2 ⁻	1.25	0.78	1266.10	1.03	3.76	5.69	16.23	71.62	14.76	0.0070	18.27	35.08	-9.65	
112	168			1.24	0.77	1268.73	2.62	3.65	3.46	35.73	54.03	13.66	0.0064	18.63	35.51	-9.96	
113	169		7/2 ⁻	1.23	0.77	1269.71	0.99	3.61	3.71	7.89	80.98	15.34	0.0061	18.83	36.11	-10.39	
114	170			1.22	0.76	1272.03	2.31	3.30	3.49	27.46	61.19	14.48	0.0045	19.17	36.52	-10.52	
115	171		11/2 ⁺	1.21	0.76	1272.78	0.75	3.06	0.00	3.57	72.52	16.09	0.0046	19.17	36.91	-10.88	
116	172			1.20	0.74	1275.06	2.28	3.03	0.00	14.24	76.17	14.98	0.0039	19.57	37.19	-11.26	
117	173		9/2 ⁻	1.18	0.73	1275.90	0.83	3.12	2.79	2.58	25.35	16.45	0.0032	19.68	37.95	-11.73	
118	174			1.17	0.69	1277.92	2.03	2.86	0.00	10.54	30.11	15.69	0.0025	19.95	38.17	-11.75	
119	175		3/2 ⁻	1.15	0.72	1278.57	0.65	2.67	0.29	1.40	11.89	17.08	0.0026	19.92	38.71	-12.33	
120	176			1.13	0.68	1280.14	1.57	2.22	0.00	8.03	15.69	16.55	0.0019	20.27	38.72	-12.09	
121	177		1/2 ⁻	1.13	0.69	1280.79	0.64	2.22	0.00	1.53	4.72	17.28	0.0024	20.44	39.32	-12.64	
122	178			1.13	0.61	1282.76	1.97	2.62	0.00	2.16	0.10	16.51	0.0019	20.66	39.53	-13.05	
123	179		3/2 ⁻	1.13	0.59	1283.51	0.75	2.72	0.57	0.00	1.05	17.76	0.0020	20.65	39.99	-13.75	
124	180			1.13	0.58	1285.52	2.01	2.76	0.00	0.53	6.83	16.99	0.0018	21.06	40.42	-13.99	
125	181		1/2 ⁻	1.13	0.57	1286.40	0.88	2.89	0.01	0.00	0.02	18.09	0.0018	21.18	40.90	-14.58	
126	182			1.12	0.83	1287.80	1.40	2.28	0.36	0.02	1.07	17.89	0.0013	21.39	41.25	-14.40	
127	183		1/2 ⁺	1.12	0.73	1285.96	-1.84	-0.44	4.03	0.09	0.33	21.24	0.0010	21.46	41.69	-12.17	
128	184			1.12	0.68	1285.73	-0.23	-2.07	0.00	...	...	20.28	0.0010	22.07	42.48	-10.88	
129	185		3/2 ⁺	1.13	0.69	1283.46	-2.27	-2.50	0.00	0.00	0.00	22.14	0.0008	22.05		-10.89	
130	186			1.12	0.69	1282.82	-0.64	-2.91	0.00	0.00	0.00	20.91	0.0009	22.34		-11.27	
131	187		1/2	1.11	0.67	1281.34	-1.48	-2.12	0.00	0.00	0.00	21.89	0.0009				
132	188			1.11	0.67	1281.12	-0.22	-1.70	0.00	0.00	0.00	21.11	0.0008				
133	189		5/2	1.10	0.68	1279.79	-1.33	-1.54	0.00	0.00	0.00	22.19	0.0009				
Z = 57 (La)																	
53	110	1/2	1/2	1.17	1.30	845.35						20.12	0.0051	-4.43	-6.66	4.89	10 ^{-5.36}
54	111	1/2		1.14	1.27	861.94	16.59					16.92	0.0097	-4.32	-5.50	4.64	10 ^{-4.63}
55	112	1/2 ⁻	3/2 ⁺	1.13	1.28	875.85	13.91	30.50				18.24	0.0109	-3.78	-4.72	4.46	10 ^{-3.49}
56	113	1/2		1.10	1.26	891.81	15.96	29.87				14.24	0.0304	-3.07	-3.28	3.92	10 ^{-1.14}
57	114	1/2	1/2	1.08	1.25	904.94	13.13	29.09				15.54	0.0434	-1.89	-1.84	3.93	10 ^{-0.84}
58	115	3/2 ⁺		1.09	1.24	919.76	14.82	27.95				12.35	0.1349	-1.50	-0.43	3.62	10 ^{0.61}
59	116	3/2 ⁺	3/2 ⁻	1.09	1.22	932.22	12.46	27.28				13.85	0.1321	-0.67	0.69	2.85	10 ^{6.70}
60	117	3/2 ⁺		1.10	1.20	946.35	14.13	26.59				10.64	0.3883	-0.50	1.69	2.14	10 ^{14.23}
61	118	3/2 ⁺	5/2 ⁻	1.11	1.18	957.92	11.58	25.71				12.04	0.6114	0.16	2.49	1.90	10 ^{18.20}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 57$ (La)																	
62	119	3/2 ⁺		1.11	1.15	971.05	13.12	24.70				9.21	1.2892	0.30	3.31	1.91	10 ^{17.74}
63	120	3/2 ⁺	3/2 ⁺	1.13	1.14	981.89	10.84	23.96				10.76	1.2564	0.85	3.96	1.85	10 ^{19.12}
64	121	3/2 ⁺		1.12	1.13	994.35	12.47	23.31				8.10	4.0929	0.92	4.69	1.68	> 10 ²⁰
65	122	1/2 ⁻	5/2 ⁺	1.14	1.12	1004.79	10.44	22.90				9.63	2.2278	1.56	5.39	1.43	> 10 ²⁰
66	123	1/2 ⁻		1.15	1.11	1016.82	12.03	22.47				6.96	7.4732	1.62	6.12	1.14	> 10 ²⁰
67	124	1/2 ⁻	1/2 ⁺	1.16	1.09	1026.76	9.94	21.97				8.44	7.4198	2.19	6.78	0.94	> 10 ²⁰
68	125	1/2 ⁻		1.17	1.07	1038.22	11.46	21.40				5.86	23.9489	2.24	7.49	0.78	> 10 ²⁰
69	126	1/2 ⁻	7/2 ⁻	1.18	1.06	1047.67	9.45	20.91				7.21	47.7983	2.81	8.12	0.60	> 10 ²⁰
70	127	1/2 ⁻		1.19	1.05	1058.49	10.81	20.27				4.73	76.4178	2.82	8.88	0.54	> 10 ²⁰
71	128	1/2 ⁻	5/2 ⁺	1.19	1.03	1067.39	8.90	19.71				6.06	75.8103	3.39	9.44	0.46	> 10 ²⁰
72	129	1/2 ⁻		1.17	1.05	1077.61	10.23	19.12				3.74	> 100	3.39	9.90	0.30	> 10 ²⁰
73	130	1/2 ⁻	7/2 ⁺	1.17	1.04	1086.06	8.45	18.68				5.20	> 100	3.92	10.48	0.18	> 10 ²⁰
74	131	1/2 ⁻		1.18	1.06	1095.96	9.90	18.35				2.87	> 100	3.92	10.91	0.05	> 10 ²⁰
75	132	5/2 ⁺	9/2 ⁻	1.20	1.06	1104.07	8.11	18.01				4.39	> 100	4.46	11.44	-0.19	
76	133	5/2 ⁺		1.20	1.05	1113.74	9.67	17.78				1.96	> 100	4.50	11.99	-0.39	
77	134	5/2 ⁺	1/2 ⁺	1.20	1.06	1121.54	7.79	17.47				3.82	> 100	5.05	12.55	-0.62	
78	135	5/2 ⁺		1.22	1.10	1131.02	9.48	17.27				1.48	> 100	4.88	12.89	-0.97	
79	136	3/2 ⁺	1/2 ⁻	1.24	1.03	1138.69	7.68	17.16	100.00	0.00	0.00	±	±	5.41	13.41	-1.41	
80	137	5/2 ⁺		1.28	1.08	1148.57	9.88	17.56				0.70	> 100	5.49	14.01	-2.15	
81	138	1/2 ⁺	11/2 ⁻	1.26	1.08	1156.10	7.52	17.41	100.00	0.00	0.00	±	±	6.04	14.61	-2.52	
82	139	3/2 ⁺		1.28	1.21	1165.11	9.01	16.54				...	β -stable	6.15	15.33	-2.25	
83	140	1/2 ⁺	7/2 ⁻	1.27	1.04	1170.31	5.21	14.22	100.00	0.00	0.00	3.76	> 100	6.61	15.74	-0.54	
84	141	5/2 ⁺		1.27	0.97	1176.73	6.42	11.63	100.00	0.00	0.00	2.62	> 100	6.79	16.74	1.34	> 10 ²⁰
85	142	1/2 ⁻	1/2 ⁻	1.19	0.94	1180.85	4.12	10.54	100.00	0.00	0.00	5.47	1.4966	7.31	17.32	2.02	10 ^{16.34}
86	143	3/2		1.15	0.92	1187.48	6.63	10.75	100.00	0.00	0.00	3.17	5.1268	7.55	18.24	0.81	> 10 ²⁰
87	144	3/2	1/2	1.14	0.92	1192.46	4.98	11.61	100.00	0.00	0.00	5.45	1.9702	8.23	19.09	-0.63	
88	145	3/2		1.13	0.92	1198.80	6.34	11.32	100.00	0.00	0.00	4.15	2.1020	8.42	20.03	-1.26	
89	146	3/2	1/2	1.15	0.91	1203.06	4.26	10.60	100.00	0.00	0.00	6.76	1.2667	8.85	20.50	-1.40	
90	147	1/2		1.16	0.90	1208.88	5.82	10.08	99.99	0.01	0.00	5.35	14.4478	9.07	21.28	-1.81	
91	148	1/2	3/2	1.17	0.89	1213.38	4.50	10.31	99.99	0.01	0.00	7.42	18.5913	9.95	22.48	-2.51	
92	149	1/2 ⁺		1.17	0.87	1219.17	5.79	10.28	98.91	1.09	0.00	6.36	2.2012	10.11	23.20	-3.27	
93	150	1/2 ⁺	3/2 ⁻	1.18	0.85	1223.34	4.18	9.97	99.49	0.51	0.00	8.57	0.5563	10.74	24.01	-4.15	
94	151	1/2 ⁺		1.20	0.84	1228.55	5.20	9.38	94.23	5.77	0.00	7.69	0.7900	10.83	24.71	-4.28	
95	152	1/2 ⁺	5/2 ⁺	1.21	0.83	1232.27	3.72	8.93	48.87	51.13	0.00	9.77	0.6054	11.37	25.40	-4.64	
96	153	1/2 ⁺		1.22	0.83	1237.11	4.84	8.56	53.22	46.78	0.00	8.77	0.3103	11.47	26.01	-4.98	
97	154	1/2 ⁺	5/2 ⁻	1.23	0.82	1240.54	3.43	8.27	80.25	19.68	0.08	10.76	0.0915	11.98	26.55	-5.37	
98	155	1/2 ⁺		1.24	0.82	1245.10	4.57	8.00	44.14	55.85	0.00	9.74	0.1307	12.02	27.11	-5.71	
99	156	1/2 ⁺	1/2 ⁻	1.24	0.84	1248.26	3.16	7.72	45.08	53.97	0.95	11.68	0.1051	12.50	27.69	-5.98	
100	157	1/2 ⁻		1.25	0.81	1252.62	4.36	7.51	52.90	46.93	0.17	10.55	0.0455	12.55	28.22	-6.33	
101	158	1/2 ⁻	7/2 ⁺	1.26	0.82	1255.67	3.05	7.41	37.87	59.00	3.14	12.31	0.0437	13.06	28.80	-6.80	
102	159	1/2 ⁻		1.27	0.79	1259.77	4.10	7.15	22.03	77.29	0.68	11.30	0.0314	13.14	29.44	-7.07	
103	160	1/2 ⁻	5/2 ⁻	1.27	0.81	1262.20	2.43	6.53	25.56	68.02	6.42	13.33	0.0231	13.56	29.86	-7.04	
104	161	1/2 ⁻		1.27	0.81	1265.67	3.47	5.90	11.34	85.40	3.14	12.46	0.0181	13.61	30.42	-7.04	
105	162	1/2 ⁻	7/2 ⁻	1.27	0.82	1267.67	2.00	5.47	18.83	55.47	25.31	14.31	0.0119	14.04	30.94	-7.03	
106	163	1/2 ⁻		1.27	0.81	1270.86	3.19	5.19	7.04	67.25	24.50	13.22	0.0136	14.05	31.39	-7.31	
107	164	1/2 ⁻	9/2 ⁺	1.27	0.81	1272.70	1.85	5.04	6.22	28.98	61.30	15.03	0.0128	14.54	31.89	-7.68	
108	165	1/2 ⁻		1.27	0.80	1275.68	2.97	4.82	5.61	46.31	43.90	13.94	0.0102	14.56	32.35	-7.91	
109	166	1/2 ⁻	1/2 ⁻	1.27	0.80	1277.28	1.60	4.57	8.31	4.74	82.32	15.75	0.0093	14.93	32.77	-8.16	
110	167	5/2 ⁺		1.27	0.78	1280.08	2.80	4.40	0.28	21.59	71.24	14.64	0.0104	15.00	33.24	-8.45	
111	168	5/2 ⁺	3/2 ⁻	1.26	0.78	1281.60	1.53	4.33	4.26	1.84	59.15	16.36	0.0090	15.50	33.78	-8.80	
112	169	5/2 ⁺		1.26	0.77	1284.27	2.66	4.19	0.03	18.00	26.34	15.17	0.0084	15.54	34.17	-9.14	
113	170	5/2 ⁺	7/2 ⁻	1.25	0.77	1285.73	1.46	4.12	0.33	3.11	38.17	16.81	0.0077	16.01	34.84	-9.60	
114	171	5/2 ⁺		1.24	0.75	1288.08	2.36	3.82	0.03	6.44	13.61	15.97	0.0060	16.06	35.23	-9.69	
115	172	5/2 ⁺	11/2 ⁺	1.23	0.76	1289.26	1.17	3.53	0.00	0.38	18.36	17.61	0.0059	16.48	35.65	-10.08	
116	173	5/2 ⁺		1.22	0.73	1291.57	2.31	3.48	0.00	4.76	10.54	16.47	0.0048	16.51	36.08	-10.41	
117	174	1/2 ⁺	9/2 ⁻	1.20	0.73	1292.83	1.26	3.57	0.00	0.25	23.47	17.92	0.0038	16.93	36.61	-10.93	
118	175	1/2 ⁺		1.18	0.70	1294.87	2.04	3.30	0.00	1.87	4.45	17.10	0.0031	16.95	36.90	-11.08	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 57 (La)																	
119	176	1/2 ⁺	3/2 ⁻	1.17	0.72	1295.91	1.04	3.09	0.00	0.31	4.48	18.52	0.0033	17.34	37.26	-11.40	
120	177	5/2 ⁺		1.15	0.67	1297.29	1.37	2.42	0.06	0.09	2.57	17.85	0.0027	17.14	37.42	-11.03	
121	178	5/2 ⁺	1/2 ⁻	1.15	0.69	1298.49	1.21	2.58	0.03	0.03	1.72	18.68	0.0033	17.70	38.15	-11.55	
122	179	1/2 ⁺		1.15	0.63	1300.49	1.99	3.20	0.18	0.04	0.33	17.82	0.0026	17.72	38.38	-12.32	
123	180	1/2 ⁺	3/2 ⁻	1.15	0.59	1301.73	1.24	3.24	0.10	0.00	0.77	19.04	0.0028	18.22	38.87	-13.09	
124	181	1/2 ⁺		1.14	0.58	1303.70	1.97	3.22	0.08	0.05	0.56	18.23	0.0025	18.18	39.24	-13.30	
125	182	1/2 ⁺	1/2 ⁻	1.14	0.59	1304.91	1.20	3.18	0.02	0.00	0.10	19.55	0.0024	18.51	39.68	-13.75	
126	183	7/2 ⁺		1.13	0.83	1306.42	1.52	2.72	0.33	0.21	0.01	19.23	0.0018	18.62	40.01	-13.66	
127	184	7/2 ⁺	1/2 ⁺	1.13	0.74	1305.22	-1.20	0.32	0.00	3.12	0.34	22.41	0.0014	19.26	40.72	-11.70	
128	185	7/2 ⁺		1.13	0.68	1304.81	-0.41	-1.61	0.00	...	...	21.46	0.0014	19.09	41.16	-10.10	
129	186	7/2 ⁺	3/2 ⁺	1.14	0.69	1302.95	-1.87	-2.27	0.00	0.00	...	23.60	0.0011	19.49	41.54	-10.15	
130	187	5/2		1.12	0.69	1302.44	-0.51	-2.37	0.00	0.00	0.00	22.07	0.0013	19.62	41.96	-10.49	
131	188	5/2	1/2	1.11	0.67	1301.45	-1.00	-1.50	0.00	0.00	0.00	23.10	0.0012	20.11		-11.74	
132	189	5/2		1.11	0.67	1301.20	-0.25	-1.24	0.00	0.00	0.00	22.42	0.0010	20.08		-12.43	
133	190	3/2	5/2	1.10	0.69	1300.18	-1.02	-1.26	0.00	0.00	0.00	23.63	0.0009	20.39			
134	191	3/2		1.10	0.68	1299.76	-0.43	-1.44	0.00	0.00	0.00	22.97	0.0007				
135	192	1/2 ⁺	3/2 ⁻	1.13	0.69	1298.51	-1.25	-1.68	0.00	0.00	0.00	23.80	0.0009				
Z = 58 (Ce)																	
55	113		3/2 ⁺	1.09	1.30	873.88						17.15	0.0088	-1.98	-5.76	4.20	10 ^{-1.70}
56	114			1.06	1.30	890.32	16.44					13.84	0.0198	-1.50	-4.56	4.23	10 ^{-2.94}
57	115		3/2 ⁺	1.05	1.27	904.05	13.74	30.18				14.92	0.0243	-0.89	-2.78	3.88	10 ^{0.05}
58	116			1.06	1.25	920.11	16.06	29.80				11.33	0.0879	0.35	-1.15	3.06	10 ^{4.56}
59	117		3/2 ⁻	1.06	1.24	932.78	12.67	28.72				12.78	0.0692	0.56	-0.11	2.35	10 ^{12.77}
60	118			1.06	1.22	947.61	14.83	27.50				9.53	0.2455	1.27	0.77	1.95	10 ^{17.36}
61	119		5/2 ⁻	1.06	1.19	959.39	11.78	26.61				10.87	0.3146	1.47	1.62	1.80	> 10 ²⁰
62	120			1.07	1.16	973.20	13.81	25.59				7.90	0.9085	2.16	2.46	1.94	10 ^{17.44}
63	121		3/2 ⁺	1.08	1.15	984.21	11.01	24.82				9.36	0.9086	2.32	3.17	1.85	10 ^{19.99}
64	122			1.09	1.13	997.32	13.11	24.12				6.69	2.7282	2.96	3.89	1.72	> 10 ²⁰
65	123		5/2 ⁺	1.09	1.12	1007.82	10.50	23.61				8.22	1.6031	3.03	4.58	1.52	> 10 ²⁰
66	124			1.10	1.11	1020.41	12.59	23.09				5.57	8.7234	3.59	5.20	1.32	> 10 ²⁰
67	125		1/2 ⁺	1.12	1.09	1030.42	10.01	22.60				7.02	4.7520	3.66	5.85	1.11	> 10 ²⁰
68	126			1.14	1.07	1042.44	12.02	22.03				4.45	37.5183	4.22	6.46	1.06	> 10 ²⁰
69	127		7/2 ⁻	1.16	1.06	1051.93	9.49	21.51				5.78	51.3035	4.26	7.07	0.93	> 10 ²⁰
70	128			1.18	1.05	1063.30	11.37	20.86				3.30	> 100	4.81	7.63	0.98	> 10 ²⁰
71	129		5/2 ⁺	1.18	1.03	1072.22	8.92	20.29				4.61	> 100	4.84	8.22	0.94	> 10 ²⁰
72	130			1.17	1.03	1083.07	10.85	19.77				2.21	> 100	5.45	8.85	0.90	> 10 ²⁰
73	131		7/2 ⁺	1.18	1.04	1091.40	8.33	19.18				3.78	98.9138	5.34	9.26	0.89	> 10 ²⁰
74	132			1.18	1.05	1101.93	10.53	18.86				1.35	> 100	5.97	9.89	0.59	> 10 ²⁰
75	133		9/2 ⁻	1.19	1.05	1110.08	8.14	18.67				2.88	> 100	6.01	10.47	0.36	> 10 ²⁰
76	134			1.21	1.06	1120.21	10.13	18.27				0.55	> 100	6.47	10.97	0.13	> 10 ²⁰
77	135		1/2 ⁺	1.21	1.06	1128.02	7.81	17.94				2.22	> 100	6.48	11.53	-0.11	
78	136			1.23	1.10	1138.00	9.98	17.79				...	β -stable	6.98	11.86	-0.46	
79	137		1/2 ⁻	1.26	1.03	1145.73	7.73	17.71				2.06	> 100	7.04	12.45	-0.95	
80	138			1.30	1.09	1156.09	10.36	18.09				...	β -stable	7.52	13.01	-1.66	
81	139		11/2 ⁻	1.28	1.08	1163.70	7.61	17.97				0.63	> 100	7.60	13.64	-2.13	
82	140			1.29	1.22	1173.29	9.59	17.20				...	β -stable	8.18	14.33	-1.92	
83	141		7/2 ⁻	1.28	1.04	1178.57	5.28	14.87	100.00	0.00	0.00	0.65	> 100	8.26	14.86	-0.22	
84	142			1.28	0.97	1185.54	6.96	12.24				...	β -stable	8.80	15.59	1.72	> 10 ²⁰
85	143		1/2 ⁻	1.20	0.94	1189.87	4.33	11.30	100.00	0.00	0.00	2.24	97.6153	9.02	16.33	2.14	10 ^{15.53}
86	144			1.16	0.92	1197.13	7.26	11.60	100.00	0.00	0.00	0.02	> 100	9.65	17.21	1.11	> 10 ²⁰
87	145		1/2	1.14	0.92	1202.17	5.03	12.30	100.00	0.00	0.00	2.21	20.7594	9.70	17.94	-0.33	
88	146			1.13	0.93	1209.04	6.88	11.91	100.00	0.00	0.00	0.97	> 100	10.24	18.66	-0.82	
89	147		1/2	1.14	0.92	1213.45	4.41	11.29	100.00	0.00	0.00	3.46	> 100	10.39	19.24	-0.93	
90	148			1.15	0.92	1220.01	6.56	10.97	100.00	0.00	0.00	2.15	82.9068	11.13	20.20	-1.34	
91	149		3/2 ⁺	1.15	0.92	1224.74	4.73	11.29	100.00	0.00	0.00	4.37	51.4749	11.36	21.32	-2.24	
92	150			1.15	0.89	1231.13	6.39	11.12	100.00	0.00	0.00	3.29	18.0346	11.96	22.08	-3.02	
93	151		3/2 ⁻	1.15	0.86	1235.45	4.32	10.71	100.00	0.00	0.00	5.41	1.5547	12.11	22.85	-3.73	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 58 (Ce)																	
94	152			1.17	0.85	1241.26	5.80	10.13	100.00	0.00	0.00	4.52	3.0854	12.71	23.54	-3.91	
95	153		5/2 ⁺	1.19	0.83	1245.10	3.84	9.65	99.99	0.01	0.00	6.62	2.1627	12.83	24.20	-4.20	
96	154			1.19	0.83	1250.52	5.42	9.26	99.89	0.11	0.00	5.61	0.8768	13.41	24.88	-4.51	
97	155		5/2 ⁻	1.20	0.83	1254.07	3.55	8.97	99.81	0.19	0.00	7.55	0.1867	13.53	25.51	-4.87	
98	156			1.21	0.82	1259.16	5.09	8.64	99.07	0.93	0.00	6.51	0.3173	14.06	26.08	-5.23	
99	157		1/2 ⁻	1.21	0.83	1262.38	3.22	8.31	98.10	1.90	0.00	8.44	0.2428	14.12	26.62	-5.53	
100	158			1.22	0.82	1267.19	4.81	8.03	97.49	2.51	0.00	7.35	0.1700	14.57	27.12	-5.81	
101	159		7/2 ⁺	1.23	0.80	1270.29	3.10	7.91	95.66	4.34	0.00	9.21	0.1561	14.62	27.68	-6.23	
102	160			1.24	0.79	1274.74	4.46	7.55	92.97	7.03	0.00	8.23	0.0992	14.97	28.12	-6.38	
103	161		5/2 ⁻	1.25	0.81	1277.34	2.60	7.05	76.84	22.95	0.21	10.12	0.0683	15.14	28.71	-6.44	
104	162			1.25	0.81	1281.20	3.86	6.45	63.78	36.13	0.08	9.34	0.0476	15.53	29.14	-6.28	
105	163		7/2 ⁻	1.25	0.82	1283.29	2.10	5.95	69.83	29.00	1.17	11.26	0.0238	15.63	29.67	-6.36	
106	164			1.26	0.81	1286.95	3.65	5.75	42.17	56.94	0.89	10.06	0.0315	16.09	30.15	-6.60	
107	165		9/2 ⁺	1.27	0.80	1288.83	1.88	5.54	22.78	72.86	4.27	11.91	0.0292	16.13	30.67	-6.91	
108	166			1.27	0.79	1292.25	3.41	5.30	23.80	74.65	1.40	10.81	0.0217	16.57	31.13	-7.15	
109	167		1/2 ⁻	1.28	0.80	1293.94	1.69	5.11	20.74	52.11	26.62	12.56	0.0181	16.66	31.59	-7.47	
110	168			1.28	0.78	1297.18	3.25	4.94	19.28	77.61	2.37	11.39	0.0155	17.10	32.11	-7.77	
111	169		3/2 ⁻	1.28	0.78	1298.65	1.47	4.72	10.09	40.31	48.34	13.18	0.0136	17.05	32.55	-8.01	
112	170			1.28	0.77	1301.75	3.10	4.57	5.87	87.73	4.85	12.01	0.0126	17.48	33.03	-8.38	
113	171		7/2 ⁻	1.27	0.76	1303.27	1.51	4.61	9.16	17.18	71.71	13.60	0.0120	17.54	33.55	-8.87	
114	172			1.25	0.75	1306.08	2.82	4.33	4.76	87.57	5.11	12.63	0.0094	18.00	34.06	-9.06	
115	173		11/2 ⁺	1.25	0.75	1307.26	1.17	3.99	5.10	14.76	76.62	14.48	0.0080	18.00	34.48	-9.24	
116	174			1.23	0.72	1309.97	2.72	3.89	4.78	88.00	2.30	13.37	0.0064	18.41	34.91	-9.65	
117	175		9/2 ⁻	1.21	0.74	1311.19	1.22	3.93	5.60	20.12	69.79	14.88	0.0050	18.36	35.29	-10.11	
118	176			1.20	0.69	1313.65	2.47	3.68	2.94	41.77	48.24	14.03	0.0043	18.78	35.73	-10.30	
119	177		3/2 ⁻	1.18	0.74	1314.35	0.70	3.16	0.31	6.21	86.30	15.84	0.0038	18.44	35.78	-10.16	
120	178			1.17	0.67	1316.39	2.04	2.73	0.00	11.25	77.49	14.93	0.0032	19.10	36.24	-10.17	
121	179		1/2 ⁻	1.17	0.69	1317.53	1.14	3.17	1.73	0.19	32.40	15.83	0.0038	19.03	36.74	-10.66	
122	180			1.16	0.63	1319.99	2.46	3.60	0.69	5.56	85.07	14.89	0.0031	19.50	37.22	-11.55	
123	181		3/2 ⁻	1.16	0.61	1321.15	1.16	3.62	0.68	1.17	87.15	16.12	0.0033	19.42	37.64	-12.06	
124	182			1.15	0.56	1323.67	2.52	3.68	0.18	7.99	82.99	15.28	0.0029	19.97	38.15	-12.61	
125	183		1/2 ⁻	1.14	0.58	1324.87	1.20	3.72	0.01	0.01	90.98	16.60	0.0027	19.96	38.47	-13.06	
126	184			1.14	0.84	1326.85	1.98	3.18	0.24	1.50	86.28	16.18	0.0020	20.43	39.05	-13.04	
127	185		9/2 ⁺	1.14	0.74	1325.49	-1.36	0.62	2.83	0.20	0.02	19.58	0.0015	20.27	39.53	-10.80	
128	186			1.14	0.69	1325.77	0.27	-1.09	0.00	...	...	18.40	0.0017	20.95	40.04	-9.67	
129	187		3/2 ⁺	1.15	0.69	1323.73	-2.03	-1.76	0.00	0.00	...	20.62	0.0013	20.78	40.27	-9.47	
130	188			1.12	0.69	1323.77	0.04	-2.00	0.00	0.00	0.00	19.05	0.0016	21.33	40.95	-9.74	
131	189		1/2	1.11	0.67	1322.84	-0.93	-0.90	0.00	0.00	0.00	20.21	0.0014	21.39	41.50	-11.08	
132	190			1.12	0.67	1323.03	0.19	-0.74	0.00	0.00	0.00	19.58	0.0012	21.83	41.91	-11.91	
133	191		5/2	1.10	0.69	1321.95	-1.08	-0.89	0.00	0.00	0.00	20.85	0.0012	21.77	42.16	-12.31	
134	192			1.13	0.67	1321.53	-0.42	-1.50	0.00	0.00	0.00	20.09	0.0009	21.77		-12.11	
135	193		3/2 ⁻	1.12	0.70	1320.72	-0.81	-1.23	0.00	0.00	0.00	20.98	0.0011	22.21		-12.63	
136	194			1.11	0.67	1321.14	0.43	-0.38	0.00	0.00	0.00	20.16	0.0009				
137	195		3/2 ⁺	1.11	0.69	1319.77	-1.38	-0.95	0.00	0.00	...	21.91	0.0008				
Z = 59 (Pr)																	
56	115	3/2 ⁻		1.05	1.31	886.46						16.81	0.0102	-3.85	-5.35	3.77	10 ^{1.03}
57	116	3/2 ⁻	3/2 ⁺	1.04	1.28	900.99	14.53					18.34	0.0113	-3.06	-3.95	3.16	10 ^{5.66}
58	117	3/2 ⁻		1.02	1.26	917.31	16.32	30.84				14.69	0.0316	-2.80	-2.45	2.80	10 ^{8.43}
59	118	3/2 ⁻	3/2 ⁻	1.03	1.24	930.95	13.64	29.96				15.88	0.0338	-1.83	-1.27	2.29	10 ^{14.49}
60	119	3/2 ⁻		1.02	1.22	946.20	15.25	28.90				12.41	0.1002	-1.41	-0.14	1.85	> 10 ²⁰
61	120	3/2 ⁻	5/2 ⁻	1.02	1.20	958.73	12.53	27.78				13.69	0.1233	-0.66	0.81	1.78	> 10 ²⁰
62	121	3/2 ⁻		1.03	1.17	972.66	13.93	26.46				10.76	0.3029	-0.54	1.62	1.98	10 ^{18.59}
63	122	3/2 ⁻	3/2 ⁺	1.04	1.15	984.30	11.63	25.56				12.24	0.3691	0.09	2.41	1.92	10 ^{19.82}
64	123	3/2 ⁻		1.05	1.14	997.45	13.16	24.79				9.58	0.6794	0.14	3.10	1.89	> 10 ²⁰
65	124	3/2 ⁻	5/2 ⁺	1.06	1.13	1008.54	11.09	24.25				11.08	0.6354	0.73	3.75	1.64	> 10 ²⁰
66	125	3/2 ⁻		1.07	1.11	1021.18	12.64	23.73				8.46	1.4403	0.77	4.36	1.47	> 10 ²⁰
67	126	3/2 ⁻	1/2 ⁺	1.09	1.09	1031.76	10.58	23.22				9.89	1.7161	1.34	5.00	1.32	> 10 ²⁰

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 59 (Pr)																	
68	127	3/2 ⁻		1.10	1.08	1043.85	12.09	22.67				7.30	4.0607	1.41	5.63	1.27	> 10 ²⁰
69	128	3/2 ⁻	7/2 ⁻	1.13	1.06	1053.87	10.02	22.11				8.65	7.6760	1.94	6.20	1.18	> 10 ²⁰
70	129	3/2 ⁻		1.13	1.05	1065.32	11.45	21.47				6.11	11.3597	2.02	6.84	1.19	> 10 ²⁰
71	130	3/2 ⁻	5/2 ⁺	1.16	1.03	1074.74	9.41	20.86				7.55	21.2697	2.52	7.35	1.23	> 10 ²⁰
72	131	3/2 ⁻		1.15	1.03	1085.55	10.81	20.23				5.07	33.5228	2.48	7.94	1.24	> 10 ²⁰
73	132	3/2 ⁻	7/2 ⁺	1.17	1.02	1094.52	8.97	19.78				6.63	39.4817	3.12	8.46	1.16	> 10 ²⁰
74	133	3/2 ⁻		1.18	1.02	1104.97	10.45	19.42				4.32	> 100	3.04	9.01	0.94	> 10 ²⁰
75	134	1/2 ⁻	9/2 ⁻	1.21	1.03	1113.50	8.53	18.98				5.92	> 100	3.43	9.44	0.85	> 10 ²⁰
76	135	3/2 ⁺		1.22	1.06	1123.60	10.10	18.63				3.63	> 100	3.39	9.86	0.65	> 10 ²⁰
77	136	3/2 ⁺	1/2 ⁺	1.22	1.03	1132.01	8.41	18.50				5.20	> 100	3.99	10.47	0.35	> 10 ²⁰
78	137	3/2 ⁺		1.24	1.08	1141.96	9.95	18.36				2.98	> 100	3.97	10.95	0.07	> 10 ²⁰
79	138	3/2 ⁺	1/2 ⁻	1.28	1.02	1150.23	8.26	18.22				5.08	> 100	4.50	11.53	-0.39	
80	139	5/2 ⁺		1.30	1.09	1160.59	10.36	18.63				2.33	> 100	4.50	12.02	-1.28	
81	140	3/2 ⁺	11/2 ⁻	1.28	1.08	1168.71	8.12	18.49				3.80	> 100	5.01	12.61	-1.73	
82	141	5/2 ⁺		1.30	1.22	1178.44	9.72	17.85				...	β -stable	5.14	13.33	-1.57	
83	142	5/2 ⁺	7/2 ⁻	1.29	1.04	1184.28	5.84	15.57	100.00	0.00	0.00	$\pm$	$\pm$	5.71	13.96	0.11	> 10 ²⁰
84	143	5/2 ⁺		1.29	0.97	1191.32	7.05	12.89	100.00	0.00	0.00	1.06	> 100	5.79	14.59	2.08	10 ^{17.02}
85	144	3/2	1/2	1.19	0.94	1196.36	5.04	12.09	100.00	0.00	0.00	3.57	> 100	6.50	15.51	2.25	10 ^{15.01}
86	145	3/2		1.17	0.93	1203.60	7.23	12.27	100.00	0.00	0.00	1.44	85.3459	6.47	16.12	1.43	> 10 ²⁰
87	146	1/2	3/2	1.15	0.94	1209.23	5.64	12.87	100.00	0.00	0.00	3.55	4.4868	7.07	16.77	-0.09	
88	147	1/2		1.12	0.95	1216.12	6.89	12.53	100.00	0.00	0.00	2.43	12.6603	7.08	17.32	-0.35	
89	148	3/2 ⁻	1/2 ⁺	1.14	0.96	1221.38	5.26	12.15	100.00	0.00	0.00	4.73	8.0194	7.93	18.32	-0.62	
90	149	3/2 ⁻		1.13	0.95	1228.33	6.95	12.21	100.00	0.00	0.00	3.30	5.2353	8.32	19.45	-1.24	
91	150	3/2 ⁻	3/2 ⁺	1.13	0.92	1233.64	5.30	12.25	100.00	0.00	0.00	5.61	3.0863	8.89	20.26	-2.28	
92	151	3/2 ⁻		1.13	0.91	1240.09	6.45	11.75	100.00	0.00	0.00	4.56	1.5396	8.96	20.92	-2.91	
93	152	3/2 ⁻	3/2 ⁻	1.14	0.88	1245.00	4.91	11.36	100.00	0.00	0.00	6.71	0.9718	9.54	21.66	-3.32	
94	153	3/2 ⁻		1.15	0.86	1250.94	5.94	10.85	99.98	0.02	0.00	5.72	0.8316	9.68	22.39	-3.47	
95	154	3/2 ⁻	5/2 ⁺	1.16	0.85	1255.34	4.40	10.34	99.84	0.16	0.00	7.89	0.5786	10.24	23.07	-3.70	
96	155	3/2 ⁻		1.16	0.84	1260.83	5.49	9.90	99.68	0.32	0.00	6.88	0.3464	10.31	23.72	-3.99	
97	156	3/2 ⁻	5/2 ⁻	1.17	0.83	1264.89	4.05	9.55	99.29	0.71	0.00	8.91	0.1466	10.82	24.35	-4.32	
98	157	3/2 ⁻		1.18	0.83	1270.04	5.15	9.20	93.68	6.32	0.00	7.91	0.1599	10.88	24.93	-4.63	
99	158	3/2 ⁻	1/2 ⁻	1.18	0.83	1273.76	3.72	8.87	87.69	12.31	0.00	9.91	0.1342	11.37	25.49	-4.92	
100	159	3/2 ⁻		1.19	0.81	1278.72	4.96	8.68	74.11	25.89	0.00	8.75	0.1055	11.53	26.10	-5.32	
101	160	3/2 ⁻	7/2 ⁺	1.20	0.80	1282.19	3.47	8.44	71.78	28.16	0.06	10.73	0.0885	11.90	26.52	-5.63	
102	161	3/2 ⁻		1.21	0.79	1286.68	4.49	7.96	68.81	31.18	0.01	9.84	0.0591	11.94	26.91	-5.77	
103	162	3/2 ⁻	5/2 ⁻	1.21	0.82	1289.76	3.08	7.57	67.58	31.81	0.61	11.84	0.0443	12.42	27.56	-5.80	
104	163	3/2 ⁻		1.22	0.81	1293.77	4.01	7.09	28.16	71.49	0.35	10.90	0.0366	12.57	28.10	-5.70	
105	164	3/2 ⁻	7/2 ⁻	1.23	0.82	1296.23	2.46	6.47	29.33	63.30	7.36	12.86	0.0200	12.94	28.57	-5.73	
106	165	3/2 ⁻		1.24	0.81	1299.96	3.73	6.19	20.58	76.50	2.88	11.59	0.0268	13.01	29.11	-6.00	
107	166	3/2 ⁻	9/2 ⁺	1.25	0.80	1302.27	2.31	6.04	19.44	45.66	34.71	13.35	0.0264	13.44	29.57	-6.31	
108	167	3/2 ⁻		1.26	0.80	1305.71	3.44	5.75	9.78	78.46	11.16	12.29	0.0202	13.46	30.03	-6.56	
109	168	3/2 ⁻	1/2 ⁻	1.27	0.80	1307.79	2.08	5.52	7.57	43.83	47.99	14.12	0.0182	13.86	30.52	-6.80	
110	169	5/2 ⁺		1.28	0.79	1311.05	3.26	5.34	0.50	57.35	39.88	12.98	0.0228	13.87	30.97	-7.08	
111	170	1/2 ⁻	3/2 ⁻	1.29	0.78	1312.97	1.92	5.18	10.24	26.59	60.51	14.75	0.0135	14.32	31.37	-7.40	
112	171	1/2 ⁻		1.29	0.76	1316.08	3.11	5.03	6.60	49.72	40.42	13.62	0.0124	14.33	31.81	-7.71	
113	172	3/2 ⁺	7/2 ⁻	1.29	0.77	1317.93	1.85	4.96	0.11	4.19	89.87	15.34	0.0158	14.67	32.21	-8.03	
114	173	3/2 ⁺		1.27	0.74	1320.95	3.02	4.87	0.09	23.78	68.18	14.19	0.0123	14.87	32.87	-8.39	
115	174	3/2 ⁺	11/2 ⁺	1.26	0.73	1322.56	1.60	4.62	0.07	5.26	86.25	16.03	0.0104	15.30	33.30	-8.53	
116	175	3/2 ⁺		1.24	0.71	1325.28	2.73	4.33	0.06	9.74	82.07	14.90	0.0085	15.31	33.72	-8.90	
117	176	3/2 ⁺	9/2 ⁻	1.23	0.74	1326.91	1.62	4.35	0.31	3.51	90.62	16.42	0.0062	15.72	34.08	-9.35	
118	177	3/2 ⁺		1.22	0.69	1329.41	2.50	4.12	0.01	8.17	19.58	15.36	0.0062	15.75	34.54	-9.55	
119	178	3/2 ⁺	3/2 ⁻	1.20	0.74	1330.53	1.12	3.63	0.32	0.02	19.21	17.25	0.0053	16.18	34.62	-9.41	
120	179	1/2 ⁺		1.19	0.68	1332.57	2.04	3.17	0.61	0.06	14.52	15.79	0.0059	16.18	35.29	-9.41	
121	180	1/2 ⁺	1/2 ⁻	1.19	0.69	1334.09	1.52	3.56	0.42	0.00	10.56	17.28	0.0056	16.57	35.60	-9.88	
122	181	1/2 ⁺		1.18	0.63	1336.48	2.39	3.91	0.28	3.20	0.96	16.33	0.0046	16.50	36.00	-10.90	
123	182	5/2 ⁺	3/2 ⁻	1.17	0.60	1338.17	1.69	4.08	0.00	0.80	1.96	17.49	0.0048	17.02	36.44	-11.38	
124	183	5/2 ⁺		1.17	0.58	1340.69	2.51	4.20	0.00	0.57	0.01	16.67	0.0042	17.01	36.98	-11.90	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 59 (Pr)																	
125	184	5/2 ⁺	1/2 ⁻	1.15	0.59	1342.25	1.57	4.08	0.00	0.06	1.50	18.06	0.0039	17.38	37.35	-12.23	
126	185	1/2 ⁺		1.15	0.84	1344.29	2.04	3.61	0.00	0.13	0.05	17.62	0.0029	17.44	37.87	-12.29	
127	186	5/2 ⁺	9/2 ⁺	1.15	0.75	1343.39	-0.91	1.13	0.00	1.90	0.13	20.92	0.0021	17.89	38.16	-10.18	
128	187	5/2 ⁺		1.15	0.69	1343.57	0.18	-0.72	0.00	...	...	19.85	0.0023	17.80	38.76	-8.85	
129	188	7/2	3/2	1.14	0.68	1342.04	-1.53	-1.35	0.00	0.00	...	22.10	0.0016	18.31	39.09	-8.52	
130	189	5/2		1.12	0.69	1342.26	0.22	-1.31	0.00	0.00	0.00	20.38	0.0022	18.50	39.82	-9.15	
131	190	7/2	5/2	1.11	0.67	1341.82	-0.44	-0.21	0.00	0.00	0.00	21.51	0.0019	18.99	40.38	-10.58	
132	191	3/2		1.12	0.67	1342.02	0.19	-0.25	0.00	0.00	0.00	20.72	0.0016	18.99	40.82	-11.28	
133	192	5/2	5/2	1.10	0.71	1340.84	-1.18	-0.99	0.00	0.00	...	22.46	0.0011	18.89	40.65	-11.10	
134	193	3/2 ⁻		1.12	0.68	1340.92	0.08	-1.10	0.00	0.00	0.00	21.29	0.0010	19.39	41.16	-11.42	
135	194	3/2 ⁻	3/2 ⁻	1.11	0.69	1340.52	-0.40	-0.32	0.00	0.00	...	22.28	0.0012	19.80	42.01	-12.04	
136	195	3/2 ⁻		1.10	0.68	1340.89	0.37	-0.03	0.00	0.00	0.00	21.32	0.0010	19.75		-12.83	
137	196	3/2 ⁻	3/2 ⁺	1.10	0.69	1340.07	-0.81	-0.44	...	...	...	23.01	0.0009	20.31		-13.27	
138	197	3/2 ⁻		1.10	0.68	1340.14	0.06	-0.75	0.00	0.00	0.00	22.28	0.0008				
139	198	3/2	5/2	1.10	0.68	1339.08	-1.06	-1.00	0.00	0.00	...	23.83	0.0008				
Z = 60 (Nd)																	
58	118			1.01	1.27	916.17						14.00	0.0199	-1.14	-3.94	2.44	10 ^{12.32}
59	119		3/2 ⁻	1.01	1.25	930.22	14.05					15.20	0.0197	-0.73	-2.56	2.13	10 ^{17.44}
60	120			0.99	1.24	946.45	16.24	30.28				11.50	0.0695	0.25	-1.16	1.95	10 ^{19.21}
61	121		5/2 ⁻	0.99	1.20	959.09	12.64	28.88				12.79	0.0793	0.36	-0.30	1.98	10 ^{19.79}
62	122			1.00	1.17	973.67	14.57	27.21				9.85	0.2042	1.00	0.46	2.24	10 ^{14.84}
63	123		3/2 ⁺	1.00	1.15	985.40	11.74	26.31				11.27	0.2293	1.11	1.19	2.28	10 ^{15.36}
64	124			1.01	1.14	999.21	13.81	25.54				8.55	0.4958	1.75	1.89	2.29	10 ^{14.20}
65	125		5/2 ⁺	1.02	1.13	1010.34	11.13	24.93				10.06	0.4186	1.79	2.52	2.17	10 ^{16.95}
66	126			1.02	1.12	1023.59	13.26	24.39				7.39	1.1695	2.41	3.18	2.02	10 ^{18.10}
67	127		1/2 ⁺	1.04	1.10	1034.26	10.66	23.92				8.81	0.9949	2.49	3.84	1.85	> 10 ²⁰
68	128			1.05	1.08	1046.94	12.68	23.35				6.15	3.7896	3.09	4.50	1.76	> 10 ²⁰
69	129		7/2 ⁻	1.07	1.07	1057.07	10.13	22.81				7.47	5.1610	3.20	5.14	1.64	> 10 ²⁰
70	130			1.09	1.05	1069.10	12.03	22.16				4.85	11.9657	3.78	5.80	1.63	> 10 ²⁰
71	131		5/2 ⁺	1.10	1.04	1078.58	9.48	21.51				6.19	23.7632	3.84	6.36	1.65	> 10 ²⁰
72	132			1.10	1.03	1089.97	11.39	20.87				3.77	39.8096	4.42	6.90	1.63	> 10 ²⁰
73	133		7/2 ⁺	1.18	1.02	1098.75	8.78	20.17				5.44	19.3502	4.23	7.35	1.76	> 10 ²⁰
74	134			1.20	1.02	1109.76	11.00	19.79				2.97	> 100	4.78	7.82	1.61	> 10 ²⁰
75	135		9/2 ⁻	1.20	1.03	1118.43	8.67	19.68				4.39	> 100	4.92	8.35	1.27	> 10 ²⁰
76	136			1.22	1.04	1129.09	10.66	19.33				2.14	> 100	5.49	8.88	1.14	> 10 ²⁰
77	137		1/2 ⁺	1.23	1.04	1137.45	8.36	19.02				3.73	> 100	5.44	9.44	0.92	> 10 ²⁰
78	138			1.30	1.05	1147.92	10.46	18.83				1.53	> 100	5.95	9.92	0.59	> 10 ²⁰
79	139		1/2 ⁻	1.30	1.02	1156.28	8.36	18.83				3.53	> 100	6.05	10.55	0.03	> 10 ²⁰
80	140			1.31	1.09	1167.16	10.88	19.24				0.77	> 100	6.57	11.06	-0.86	
81	141		11/2 ⁻	1.30	1.08	1175.41	8.26	19.14				2.24	> 100	6.70	11.71	-1.39	
82	142			1.31	1.22	1185.67	10.26	18.52				...	β -stable	7.24	12.38	-1.28	
83	143		7/2 ⁻	1.30	1.04	1191.60	5.93	16.18				...	β -stable	7.32	13.03	0.40	> 10 ²⁰
84	144			1.30	0.98	1199.16	7.56	13.48				...	β -stable	7.83	13.62	2.43	10 ^{12.42}
85	145		1/2 ⁻	1.22	0.94	1204.26	5.10	12.66				0.46		7.89	14.39	2.61	10 ^{11.48}
86	146			1.18	0.94	1212.00	7.75	12.85				...	β -stable	8.41	14.87	1.83	> 10 ²⁰
87	147		3/2	1.15	0.94	1217.77	5.77	13.51	100.00	0.00	0.00	0.56	> 100	8.54	15.60	0.39	> 10 ²⁰
88	148			1.14	0.97	1225.33	7.57	13.33				...	β -stable	9.21	16.29	0.09	> 10 ²⁰
89	149		1/2 ⁺	1.13	0.96	1230.85	5.52	13.08	100.00	0.00	0.00	1.61	> 100	9.47	17.40	-0.39	
90	150			1.12	0.96	1238.46	7.61	13.13				0.09		10.13	18.45	-1.12	
91	151		3/2 ⁺	1.12	0.94	1243.86	5.40	13.01	100.00	0.00	0.00	2.40	> 100	10.22	19.12	-2.11	
92	152			1.12	0.92	1250.93	7.07	12.46	100.00	0.00	0.00	1.27	> 100	10.84	19.80	-2.62	
93	153		3/2 ⁻	1.12	0.90	1255.87	4.95	12.01	100.00	0.00	0.00	3.51	9.9634	10.88	20.42	-2.83	
94	154			1.12	0.87	1262.45	6.57	11.52	100.00	0.00	0.00	2.47	64.5307	11.51	21.19	-3.02	
95	155		5/2 ⁺	1.13	0.85	1266.93	4.48	11.05	100.00	0.00	0.00	4.67	30.8588	11.59	21.83	-3.18	
96	156			1.14	0.85	1273.02	6.09	10.57	100.00	0.00	0.00	3.62	7.0317	12.19	22.50	-3.46	
97	157		5/2 ⁻	1.15	0.84	1277.17	4.15	10.24	100.00	0.00	0.00	5.71	0.5217	12.28	23.10	-3.77	
98	158			1.15	0.83	1282.88	5.71	9.86	100.00	0.00	0.00	4.70	1.3423	12.84	23.72	-4.07	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 60$ (Nd)																	
99	159		1/2 ⁻	1.16	0.83	1286.69	3.81	9.52	99.98	0.02	0.00	6.75	0.9107	12.93	24.30	-4.32	
100	160			1.16	0.80	1292.14	5.45	9.26	99.92	0.08	0.00	5.65	0.5883	13.42	24.94	-4.68	
101	161		7/2 ⁺	1.17	0.79	1295.74	3.60	9.05	99.38	0.62	0.00	7.58	0.4884	13.54	25.45	-5.06	
102	162			1.18	0.78	1300.81	5.08	8.68	99.58	0.42	0.00	6.59	0.3238	14.13	26.07	-5.33	
103	163		5/2 ⁻	1.19	0.82	1303.89	3.08	8.16	95.36	4.64	0.00	8.66	0.1720	14.13	26.55	-5.31	
104	164			1.20	0.81	1308.31	4.41	7.49	85.19	14.81	0.00	7.79	0.1400	14.54	27.11	-5.27	
105	165		7/2 ⁻	1.21	0.82	1310.77	2.46	6.88	88.73	11.22	0.05	9.83	0.0431	14.54	27.48	-5.13	
106	166			1.23	0.81	1314.84	4.07	6.53	82.09	17.88	0.03	8.68	0.0655	14.88	27.89	-5.34	
107	167		9/2 ⁺	1.24	0.80	1317.22	2.38	6.45	43.22	56.08	0.70	10.41	0.0664	14.95	28.39	-5.63	
108	168			1.26	0.79	1321.13	3.91	6.29	39.81	59.86	0.33	9.20	0.0488	15.42	28.89	-5.89	
109	169		1/2 ⁻	1.27	0.79	1323.24	2.11	6.03	29.70	68.44	1.87	11.06	0.0405	15.45	29.31	-6.12	
110	170			1.28	0.78	1326.94	3.70	5.81	28.09	71.26	0.65	9.95	0.0333	15.89	29.76	-6.40	
111	171		3/2 ⁻	1.29	0.78	1328.92	1.98	5.68	30.17	65.55	4.25	11.66	0.0280	15.95	30.27	-6.69	
112	172			1.30	0.77	1332.49	3.57	5.55	27.46	71.18	1.28	10.44	0.0259	16.41	30.74	-7.02	
113	173		11/2 ⁺	1.30	0.77	1334.36	1.87	5.44	7.96	84.57	7.23	12.15	0.0251	16.43	31.09	-7.41	
114	174			1.28	0.74	1337.80	3.44	5.31	11.46	86.60	1.58	11.01	0.0204	16.85	31.72	-7.75	
115	175		11/2 ⁺	1.28	0.73	1339.40	1.60	5.03	8.26	39.38	51.68	12.87	0.0168	16.84	32.14	-7.83	
116	176			1.26	0.71	1342.55	3.15	4.75	10.11	84.32	4.62	11.74	0.0134	17.26	32.58	-8.17	
117	177		9/2 ⁻	1.24	0.75	1343.99	1.44	4.59	11.02	33.92	53.48	13.48	0.0082	17.08	32.80	-8.44	
118	178			1.23	0.70	1347.00	3.01	4.45	8.67	86.42	2.54	12.27	0.0084	17.59	33.35	-8.73	
119	179		1/2 ⁺	1.20	0.70	1347.58	0.58	3.59	3.34	19.25	71.84	14.79	0.0055	17.05	33.23	-8.10	
120	180			1.20	0.68	1350.59	3.01	3.59	0.00	55.67	39.92	12.82	0.0072	18.02	34.20	-8.64	
121	181		1/2 ⁻	1.20	0.69	1352.03	1.44	4.45	5.12	7.26	81.67	14.41	0.0067	17.94	34.51	-9.38	
122	182			1.19	0.62	1354.88	2.85	4.29	3.43	90.22	0.00	13.46	0.0051	18.40	34.89	-10.20	
123	183		3/2 ⁻	1.18	0.60	1356.57	1.69	4.54	1.75	5.35	87.94	14.55	0.0057	18.40	35.42	-10.75	
124	184			1.18	0.57	1359.53	2.96	4.65	0.62	92.88	0.17	13.61	0.0053	18.84	35.86	-11.25	
125	185		1/2 ⁻	1.16	0.58	1361.13	1.60	4.56	0.01	2.50	90.91	15.08	0.0046	18.88	36.26	-11.69	
126	186			1.16	0.84	1363.53	2.40	4.00	0.12	90.33	0.18	14.70	0.0033	19.24	36.67	-11.56	
127	187		9/2 ⁺	1.16	0.75	1362.64	-0.89	1.50	2.01	0.12	86.12	18.01	0.0024	19.25	37.14	-9.47	
128	188			1.16	0.69	1363.36	0.72	-0.17	0.00	...	...	16.81	0.0028	19.79	37.59	-8.21	
129	189		3/2	1.13	0.67	1361.86	-1.50	-0.77	...	...	...	19.05	0.0020	19.82	38.13	-8.07	
130	190			1.11	0.69	1362.56	0.69	-0.80	0.00	0.00	0.00	17.53	0.0025	20.29	38.79	-8.50	
131	191		5/2	1.11	0.68	1361.96	-0.60	0.09	0.00	0.00	...	18.92	0.0020	20.13	39.12	-9.93	
132	192			1.12	0.67	1362.52	0.56	-0.04	0.00	0.00	0.00	17.91	0.0019	20.50	39.49	-10.45	
133	193		5/2	1.10	0.70	1361.42	-1.09	-0.53	...	...	...	19.63	0.0015	20.58	39.47	-10.29	
134	194			1.10	0.68	1362.01	0.59	-0.50	0.00	0.00	0.00	18.28	0.0014	21.09	40.48	-10.68	
135	195		3/2 ⁻	1.09	0.70	1361.43	-0.58	0.01	0.00	0.00	...	19.60	0.0014	20.91	40.71	-11.19	
136	196			1.09	0.67	1362.30	0.87	0.29	0.00	0.00	0.00	18.70	0.0012	21.41	41.16	-12.48	
137	197		3/2 ⁺	1.09	0.70	1361.63	-0.67	0.20	...	...	...	20.17	0.0012	21.56	41.87	-12.62	
138	198			1.09	0.68	1362.13	0.50	-0.17	0.00	...	...	19.41	0.0011	21.99		-12.69	
139	199		5/2	1.09	0.69	1361.14	-0.99	-0.49	...	...	...	20.92	0.0010	22.06		-13.08	
140	200			1.09	0.68	1361.48	0.34	-0.65	0.00	0.00	0.00	20.02	0.0009				
141	201		5/2	1.09	0.68	1360.40	-1.08	-0.74	0.00	0.00	...	21.48	0.0009				
$Z = 61$ (Pm)																	
59	120	5/2 ⁻	3/2 ⁻	1.03	1.26	926.75						18.92	0.0078	-3.47	-4.20	2.54	10 ^{13.16}
60	121	5/2 ⁻		1.03	1.24	943.15	16.40					15.16	0.0198	-3.30	-3.05	2.45	10 ^{13.83}
61	122	5/2 ⁻	5/2 ⁻	1.03	1.20	956.74	13.59	29.99				16.15	0.0256	-2.35	-2.00	2.51	10 ^{13.50}
62	123	5/2 ⁻		1.03	1.18	971.68	14.94	28.53				12.94	0.0678	-1.98	-0.98	2.82	10 ^{9.86}
63	124	5/2 ⁻	3/2 ⁺	1.03	1.15	984.06	12.38	27.32				14.37	0.0919	-1.34	-0.24	2.97	10 ^{8.75}
64	125	5/2 ⁻		1.04	1.14	997.97	13.91	26.29				11.59	0.1580	-1.24	0.51	2.99	10 ^{8.21}
65	126	5/2 ⁻	5/2 ⁺	1.04	1.13	1009.76	11.79	25.70				13.05	0.1750	-0.58	1.22	2.83	10 ^{10.02}
66	127	5/2 ⁻		1.04	1.12	1023.07	13.31	25.10				10.41	0.3316	-0.52	1.89	2.68	10 ^{11.24}
67	128	5/2 ⁻	1/2 ⁺	1.04	1.10	1034.32	11.25	24.56				11.84	0.3981	0.06	2.56	2.52	10 ^{13.39}
68	129	5/2 ⁻		1.04	1.09	1047.08	12.76	24.01				9.20	0.7857	0.14	3.23	2.39	10 ^{14.56}
69	130	5/2 ⁻	7/2 ⁻	1.06	1.07	1057.82	10.74	23.50				10.50	1.0493	0.75	3.95	2.24	10 ^{16.95}
70	131	5/2 ⁻		1.05	1.06	1069.93	12.10	22.84				7.87	2.1035	0.83	4.60	2.22	10 ^{16.84}
71	132	5/2 ⁻	1/2 ⁻	1.06	1.05	1080.07	10.15	22.25				9.11	2.1777	1.49	5.34	2.10	10 ^{18.97}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 61 (Pm)																	
72	133	5/2 ⁻		1.05	1.04	1091.49	11.42	21.56				6.48	6.8835	1.52	5.94	2.13	10 ^{18.16}
73	134	5/2 ⁻	5/2 ⁺	1.06	1.05	1100.90	9.41	20.83				8.07	9.7787	2.15	6.38	2.13	10 ^{18.47}
74	135	5/2 ⁻		1.06	1.04	1111.79	10.89	20.30				5.86	10.0021	2.04	6.82	2.05	10 ^{19.31}
75	136	5/2 ⁺	9/2 ⁻	1.19	1.02	1121.06	9.27	20.16				7.25	38.8538	2.63	7.55	1.76	> 10 ²⁰
76	137	3/2 ⁺		1.21	1.02	1131.66	10.60	19.87				5.01	35.6215	2.58	8.06	1.61	> 10 ²⁰
77	138	1/2 ⁻	1/2 ⁺	1.23	1.03	1140.42	8.75	19.36				6.72	81.8955	2.96	8.41	1.38	> 10 ²⁰
78	139	1/2 ⁺		1.30	1.05	1150.91	10.50	19.25				4.58	> 100	2.99	8.95	0.99	> 10 ²⁰
79	140	3/2 ⁺	1/2 ⁻	1.30	1.03	1159.75	8.84	19.34				6.62	> 100	3.47	9.53	0.55	> 10 ²⁰
80	141	3/2 ⁺		1.32	1.09	1170.65	10.90	19.74				3.98	> 100	3.49	10.06	-0.39	
81	142	7/2 ⁺	11/2 ⁻	1.31	1.08	1179.42	8.77	19.67				5.47	> 100	4.01	10.71	-0.90	
82	143	3/2 ⁺		1.31	1.22	1189.82	10.39	19.17				1.00	> 100	4.15	11.38	-0.93	
83	144	3/2 ⁺	7/2 ⁻	1.31	1.04	1196.30	6.48	16.88	100.00	0.00	0.00	±	±	4.70	12.02	0.71	> 10 ²⁰
84	145	5/2 ⁺		1.31	0.98	1203.93	7.63	14.12				...	β-stable	4.78	12.61	2.80	10 ^{10.03}
85	146	3/2 ⁻	1/2 ⁻	1.20	0.95	1209.61	5.68	13.32	100.00	0.00	0.00	±	±	5.36	13.25	2.96	10 ^{8.85}
86	147	5/2 ⁺		1.19	0.95	1217.55	7.93	13.62	100.00	0.00	0.00	...	β-stable	5.55	13.95	2.07	10 ^{19.05}
87	148	5/2	3/2	1.14	0.95	1223.94	6.39	14.32	100.00	0.00	0.00	±	±	6.17	14.70	0.73	> 10 ²⁰
88	149	5/2		1.12	0.97	1231.68	7.74	14.13	100.00	0.00	0.00	0.46	> 100	6.34	15.55	0.21	> 10 ²⁰
89	150	5/2 ⁻	1/2 ⁺	1.11	0.98	1237.77	6.09	13.83	100.00	0.00	0.00	2.68	> 100	6.91	16.38	-0.24	
90	151	5/2 ⁻		1.09	0.98	1245.48	7.71	13.80	100.00	0.00	0.00	1.08	> 100	7.01	17.14	-1.05	
91	152	5/2 ⁻	3/2 ⁺	1.10	0.96	1251.42	5.94	13.65	100.00	0.00	0.00	3.48	> 100	7.55	17.78	-1.74	
92	153	5/2 ⁻		1.10	0.93	1258.60	7.18	13.12	100.00	0.00	0.00	2.32	69.4592	7.67	18.51	-1.97	
93	154	5/2 ⁻	3/2 ⁻	1.10	0.90	1264.14	5.54	12.72	100.00	0.00	0.00	4.51	8.3749	8.26	19.14	-2.20	
94	155	5/2 ⁻		1.10	0.88	1270.81	6.67	12.22	100.00	0.00	0.00	3.43	8.6388	8.36	19.88	-2.43	
95	156	5/2 ⁻	5/2 ⁺	1.11	0.86	1275.85	5.04	11.72	100.00	0.00	0.00	5.65	4.6689	8.93	20.51	-2.56	
96	157	5/2 ⁻		1.11	0.87	1282.09	6.24	11.28	100.00	0.00	0.00	4.53	2.0868	9.07	21.26	-2.86	
97	158	5/2 ⁻	5/2 ⁻	1.12	0.86	1286.80	4.71	10.94	100.00	0.00	0.00	6.58	0.5037	9.63	21.91	-3.16	
98	159	5/2 ⁻		1.13	0.86	1292.65	5.85	10.56	100.00	0.00	0.00	5.59	0.6420	9.77	22.61	-3.52	
99	160	5/2 ⁻	1/2 ⁻	1.13	0.83	1297.01	4.36	10.21	99.97	0.03	0.00	7.64	0.5255	10.32	23.25	-3.82	
100	161	5/2 ⁻		1.14	0.81	1302.54	5.53	9.89	99.58	0.42	0.00	6.61	0.3232	10.40	23.82	-4.20	
101	162	5/2 ⁻	7/2 ⁺	1.14	0.80	1306.62	4.09	9.62	99.24	0.76	0.00	8.57	0.2679	10.89	24.43	-4.57	
102	163	5/2 ⁻		1.15	0.79	1311.77	5.14	9.23	98.73	1.27	0.00	7.59	0.1910	10.95	25.08	-4.75	
103	164	5/2 ⁻	5/2 ⁻	1.15	0.81	1315.32	3.55	8.70	98.07	1.93	0.00	9.71	0.1246	11.43	25.56	-4.83	
104	165	5/2 ⁻		1.16	0.80	1319.82	4.50	8.05	66.13	33.87	0.00	8.81	0.1076	11.51	26.05	-4.84	
105	166	5/2 ⁻	7/2 ⁻	1.18	0.81	1322.74	2.92	7.42	78.96	20.95	0.08	10.76	0.0495	11.97	26.51	-4.68	
106	167	5/2 ⁻		1.19	0.81	1326.84	4.10	7.03	52.86	47.09	0.06	9.67	0.0678	12.01	26.88	-4.78	
107	168	5/2 ⁺	9/2 ⁺	1.22	0.80	1329.55	2.71	6.81	19.53	76.24	4.22	11.70	0.1115	12.33	27.28	-5.03	
108	169	5/2 ⁺		1.23	0.79	1333.53	3.97	6.68	2.00	97.54	0.46	10.58	0.0751	12.39	27.82	-5.27	
109	170	5/2 ⁺	1/2 ⁻	1.25	0.80	1336.11	2.58	6.56	3.66	86.03	10.31	12.48	0.0633	12.86	28.31	-5.54	
110	171	5/2 ⁺		1.26	0.79	1339.80	3.69	6.28	1.65	94.98	3.33	11.41	0.0518	12.86	28.75	-5.80	
111	172	3/2 ⁻	3/2 ⁻	1.29	0.78	1342.16	2.35	6.05	12.53	60.61	26.82	13.23	0.0266	13.23	29.18	-6.07	
112	173	3/2 ⁻		1.30	0.77	1345.73	3.57	5.93	9.91	77.92	11.82	12.08	0.0243	13.23	29.65	-6.38	
113	174	1/2 ⁻	11/2 ⁺	1.30	0.77	1348.03	2.30	5.88	9.89	44.35	45.31	13.81	0.0235	13.67	30.10	-6.76	
114	175	1/2 ⁻		1.29	0.74	1351.49	3.45	5.76	7.80	69.12	22.21	12.69	0.0187	13.69	30.53	-7.11	
115	176	1/2 ⁻	11/2 ⁺	1.29	0.73	1353.50	2.02	5.47	6.27	39.95	52.63	14.57	0.0155	14.11	30.95	-7.27	
116	177	1/2 ⁻		1.28	0.72	1356.69	3.18	5.20	3.67	50.77	43.50	13.45	0.0133	14.14	31.40	-7.44	
117	178	1/2 ⁻	9/2 ⁻	1.25	0.74	1358.49	1.81	4.99	6.62	43.57	46.51	15.16	0.0082	14.51	31.59	-7.64	
118	179	1/2 ⁻		1.24	0.71	1361.58	3.09	4.90	2.17	35.33	58.25	13.82	0.0095	14.58	32.17	-8.00	
119	180	5/2 ⁺	1/2 ⁺	1.20	0.70	1362.63	1.05	4.14	0.42	3.64	80.42	16.28	0.0078	15.05	32.10	-7.43	
120	181	5/2 ⁺		1.21	0.69	1365.65	3.02	4.07	0.34	18.53	38.69	14.35	0.0102	15.06	33.08	-7.95	
121	182	11/2 ⁻	1/2 ⁻	1.21	0.70	1367.56	1.90	4.93	0.00	2.51	64.44	15.90	0.0078	15.53	33.47	-8.73	
122	183	11/2 ⁻		1.20	0.62	1370.34	2.79	4.69	0.00	25.65	32.76	14.93	0.0062	15.46	33.86	-9.47	
123	184	3/2 ⁺	3/2 ⁻	1.20	0.61	1372.36	2.02	4.81	0.47	1.50	89.14	16.16	0.0084	15.79	34.19	-9.98	
124	185	3/2 ⁺		1.19	0.58	1375.43	3.07	5.09	0.01	0.71	91.65	15.11	0.0081	15.90	34.74	-10.65	
125	186	3/2 ⁺	1/2 ⁻	1.17	0.58	1377.45	2.02	5.09	0.01	0.00	90.91	16.54	0.0071	16.32	35.20	-10.98	
126	187	3/2 ⁺		1.17	0.84	1379.87	2.42	4.44	0.01	0.07	88.33	16.10	0.0053	16.34	35.57	-10.89	
127	188	3/2 ⁺	9/2 ⁺	1.17	0.75	1379.39	-0.48	1.94	0.00	1.46	0.07	19.41	0.0036	16.75	36.00	-8.84	
128	189	3/2		1.16	0.69	1380.13	0.74	0.26	0.00	...	...	18.22	0.0042	16.77	36.56	-7.54	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 61 (Pm)																	
129	190	3/2	3/2	1.12	0.67	1379.30	-0.83	-0.09	...	...	...	20.22	0.0033	17.44	37.26	-7.62	
130	191	3/2		1.11	0.68	1380.09	0.79	-0.04	0.00	0.00	0.00	18.64	0.0041	17.53	37.83	-8.23	
131	192	7/2	1/2	1.11	0.67	1379.64	-0.45	0.34	...	...	...	20.30	0.0026	17.68	37.81	-9.30	
132	193	7/2		1.12	0.67	1380.27	0.63	0.18	0.00	0.00	0.00	19.13	0.0027	17.76	38.26	-9.71	
133	194	1/2	5/2	1.11	0.70	1379.51	-0.77	-0.13	...	...	...	20.90	0.0019	18.08	38.67	-9.39	
134	195	5/2+		1.11	0.69	1380.25	0.74	-0.02	0.00	0.00	0.00	19.52	0.0018	18.24	39.33	-9.94	
135	196	5/2+	3/2-	1.09	0.70	1380.22	-0.03	0.71	...	...	...	20.65	0.0019	18.79	39.70	-11.09	
136	197	5/2+		1.08	0.68	1381.03	0.81	0.77	0.05	...	...	19.89	0.0015	18.73	40.14	-11.81	
137	198	5/2+	3/2+	1.08	0.70	1380.76	-0.27	0.54	0.13	0.00	0.27	21.43	0.0014	19.12	40.68	-11.95	
138	199	5/2+		1.08	0.69	1381.29	0.53	0.26	0.00	...	...	20.54	0.0013	19.16	41.15	-12.10	
139	200	5/2+	5/2-	1.08	0.69	1380.71	-0.57	-0.04	...	...	...	22.04	0.0013	19.57	41.63	-12.34	
140	201	5/2		1.08	0.67	1381.10	0.38	-0.19	0.00	...	...	21.18	0.0011	19.62		-12.67	
141	202	5/2	5/2	1.08	0.68	1380.38	-0.72	-0.34	...	...	...	22.57	0.0011	19.98		-13.00	
142	203	5/2+		1.08	0.66	1380.91	0.53	-0.19	0.00	0.00	0.00	21.45	0.0011				
143	204	5/2+	1/2+	1.08	0.68	1380.19	-0.71	-0.19	0.00	0.00	...	22.73	0.0011				
144	205	5/2-		1.08	0.67	1380.42	0.23	-0.48	0.00	0.00	0.00	22.21	0.0008				
Z = 62 (Sm)																	
61	123		5/2-	1.00	1.22	955.36						15.54	0.0185	-1.38	-3.73	3.15	$10^{7.88}$
62	124			1.00	1.19	971.20	15.84					12.08	0.0570	-0.48	-2.46	3.55	$10^{3.72}$
63	125		3/2+	1.01	1.16	983.70	12.50	28.34				13.48	0.0596	-0.35	-1.70	3.68	$10^{3.86}$
64	126			0.99	1.15	998.17	14.47	26.97				10.80	0.1135	0.21	-1.03	3.79	$10^{2.12}$
65	127		5/2+	1.00	1.14	1010.09	11.92	26.39				12.19	0.1126	0.34	-0.24	3.60	$10^{4.41}$
66	128			1.00	1.12	1024.07	13.98	25.90				9.47	0.2520	1.00	0.48	3.43	$10^{4.58}$
67	129		1/2+	1.02	1.11	1035.38	11.31	25.29				10.92	0.2027	1.06	1.12	3.25	$10^{7.04}$
68	130			1.03	1.09	1048.82	13.44	24.75				8.22	0.6467	1.74	1.88	3.07	$10^{7.52}$
69	131		7/2-	1.05	1.08	1059.61	10.79	24.23				9.53	0.7476	1.79	2.54	2.94	$10^{9.70}$
70	132			1.05	1.06	1072.47	12.86	23.65				6.82	1.7519	2.55	3.37	2.76	$10^{10.42}$
71	133		1/2-	1.05	1.05	1082.60	10.13	22.99				8.11	1.5543	2.53	4.02	2.76	$10^{11.47}$
72	134			1.05	1.04	1094.65	12.04	22.17				5.47	6.2661	3.16	4.68	2.75	$10^{10.54}$
73	135		1/2-	1.06	1.03	1104.20	9.55	21.59				6.81	4.1119	3.30	5.44	2.68	$10^{12.37}$
74	136			1.15	1.01	1115.72	11.53	21.08				4.55	28.3061	3.93	5.97	2.54	$10^{12.85}$
75	137		9/2-	1.19	1.01	1125.01	9.29	20.82				5.87	50.5893	3.95	6.59	2.04	$> 10^{20}$
76	138			1.21	1.02	1136.18	11.16	20.45				3.46	> 100	4.51	7.09	1.88	$> 10^{20}$
77	139		1/2+	1.23	1.02	1144.96	8.79	19.95				5.16	54.4241	4.55	7.51	1.76	$> 10^{20}$
78	140			1.31	1.05	1156.00	11.03	19.82				2.97	> 100	5.09	8.08	1.39	$> 10^{20}$
79	141		1/2-	1.31	1.03	1164.90	8.90	19.94				4.97	> 100	5.15	8.62	0.85	$> 10^{20}$
80	142			1.32	1.09	1176.29	11.39	20.29				2.35	> 100	5.64	9.13	-0.07	
81	143		1/2+	1.32	1.08	1185.14	8.85	20.24				3.89	> 100	5.72	9.73	-0.57	
82	144			1.32	1.22	1196.09	10.95	19.80				...	β -stable	6.27	10.42	-0.64	
83	145		7/2-	1.32	1.05	1202.63	6.54	17.49				0.52	> 100	6.33	11.03	1.08	$> 10^{20}$
84	146			1.31	0.98	1210.81	8.18	14.72				...	β -stable	6.88	11.66	3.16	$10^{6.75}$
85	147		1/2-	1.22	0.95	1216.61	5.80	13.98				0.16		6.99	12.35	3.29	$10^{6.75}$
86	148			1.18	0.95	1224.99	8.39	14.18				...	β -stable	7.44	12.99	2.46	$10^{13.85}$
87	149		3/2	1.16	0.95	1231.35	6.36	14.75				...	β -stable	7.42	13.58	1.20	$> 10^{20}$
88	150			1.12	0.98	1239.67	8.31	14.67				...	β -stable	7.99	14.33	0.63	$> 10^{20}$
89	151		1/2+	1.10	0.97	1245.78	6.11	14.42	100.00	0.00	0.00	...	β -stable	8.01	14.92	0.29	$> 10^{20}$
90	152			1.08	0.98	1254.11	8.34	14.45				...	β -stable	8.64	15.65	-0.48	
91	153		3/2+	1.07	0.96	1260.13	6.02	14.36	100.00	0.00	0.00	0.56	> 100	8.72	16.27	-0.98	
92	154			1.07	0.94	1267.87	7.73	13.75				...	β -stable	9.27	16.94	-1.11	
93	155		3/2-	1.07	0.91	1273.46	5.59	13.32	100.00	0.00	0.00	1.56	> 100	9.32	17.58	-1.30	
94	156			1.08	0.90	1280.72	7.26	12.86	100.00	0.00	0.00	0.37	> 100	9.91	18.27	-1.50	
95	157		5/2+	1.08	0.89	1285.83	5.11	12.38	100.00	0.00	0.00	2.57	> 100	9.98	18.91	-1.66	
96	158			1.08	0.88	1292.59	6.76	11.87	100.00	0.00	0.00	1.51	> 100	10.50	19.58	-1.85	
97	159		5/2-	1.09	0.87	1297.46	4.86	11.62	100.00	0.00	0.00	3.54	4.2015	10.66	20.29	-2.24	
98	160			1.10	0.86	1303.87	6.41	11.27	100.00	0.00	0.00	2.53	26.8466	11.22	20.99	-2.55	
99	161		1/2-	1.11	0.83	1308.36	4.50	10.91	100.00	0.00	0.00	4.57	13.4339	11.36	21.68	-2.90	
100	162			1.11	0.81	1314.42	6.05	10.55	100.00	0.00	0.00	3.51	6.6497	11.88	22.28	-3.24	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 62 (Sm)																	
101	163		7/2 ⁺	1.12	0.81	1318.58	4.16	10.21	100.00	0.00	0.00	5.50	4.4331	11.95	22.84	-3.60	
102	164			1.12	0.80	1324.25	5.67	9.83	100.00	0.00	0.00	4.51	2.4262	12.48	23.43	-3.82	
103	165		5/2 ⁻	1.14	0.80	1327.85	3.60	9.27	99.98	0.02	0.00	6.68	0.7707	12.53	23.95	-3.82	
104	166			1.15	0.79	1332.72	4.87	8.47	99.71	0.29	0.00	5.96	0.6066	12.90	24.41	-3.61	
105	167		7/2 ⁻	1.17	0.81	1335.73	3.01	7.89	98.58	1.42	0.00	8.05	0.1059	12.99	24.96	-3.54	
106	168			1.19	0.80	1340.46	4.73	7.75	95.48	4.52	0.00	6.89	0.2308	13.62	25.63	-3.86	
107	169		9/2 ⁺	1.21	0.80	1343.32	2.86	7.59	93.13	6.86	0.00	8.69	0.2007	13.77	26.11	-4.26	
108	170			1.22	0.79	1347.80	4.48	7.34	94.02	5.98	0.00	7.55	0.1328	14.28	26.67	-4.67	
109	171		1/2 ⁻	1.25	0.79	1350.43	2.63	7.11	69.35	30.59	0.07	9.47	0.1045	14.32	27.19	-4.92	
110	172			1.26	0.78	1354.60	4.16	6.80	69.05	30.94	0.00	8.40	0.0855	14.80	27.65	-5.17	
111	173		3/2 ⁻	1.28	0.78	1357.03	2.43	6.59	35.91	63.20	0.90	10.17	0.0686	14.87	28.10	-5.49	
112	174			1.29	0.76	1361.06	4.03	6.46	32.28	67.58	0.14	8.96	0.0651	15.33	28.57	-5.82	
113	175		11/2 ⁺	1.30	0.76	1363.40	2.34	6.37	31.25	66.98	1.77	10.64	0.0635	15.36	29.04	-6.18	
114	176			1.29	0.74	1367.29	3.89	6.23	31.14	68.43	0.42	9.50	0.0509	15.81	29.49	-6.50	
115	177		7/2 ⁻	1.29	0.73	1369.35	2.06	5.96	30.98	65.01	4.01	11.34	0.0376	15.85	29.96	-6.70	
116	178			1.27	0.72	1372.87	3.51	5.57	24.15	74.69	1.15	10.37	0.0282	16.18	30.32	-6.77	
117	179		9/2 ⁻	1.26	0.74	1374.62	1.75	5.26	39.51	57.42	2.97	12.14	0.0135	16.13	30.63	-6.93	
118	180			1.25	0.71	1378.13	3.51	5.26	11.38	85.57	2.81	10.83	0.0163	16.55	31.13	-7.29	
119	181		1/2 ⁺	1.21	0.70	1379.23	1.10	4.61	16.39	66.35	16.02	13.19	0.0103	16.59	31.65	-6.94	
120	182			1.21	0.69	1382.68	3.45	4.55	11.38	84.48	2.77	11.38	0.0127	17.02	32.09	-7.38	
121	183		1/2 ⁻	1.21	0.70	1384.49	1.81	5.27	15.37	37.07	45.89	13.06	0.0117	16.93	32.46	-8.62	
122	184			1.21	0.63	1387.74	3.25	5.06	6.30	88.89	2.96	12.02	0.0095	17.40	32.86	-8.86	
123	185		3/2 ⁻	1.21	0.61	1389.76	2.01	5.27	3.40	65.76	29.52	13.23	0.0098	17.40	33.19	-9.43	
124	186			1.20	0.58	1393.20	3.45	5.46	0.77	94.09	3.68	12.18	0.0096	17.77	33.67	-10.03	
125	187		1/2 ⁻	1.19	0.59	1395.19	1.98	5.43	0.01	94.71	3.63	13.54	0.0086	17.74	34.06	-10.32	
126	188			1.18	0.85	1398.01	2.83	4.81	0.08	91.79	5.47	13.21	0.0062	18.15	34.49	-10.19	
127	189		9/2 ⁺	1.19	0.75	1397.57	-0.45	2.38	1.53	0.06	88.38	16.50	0.0042	18.18	34.93	-8.14	
128	190			1.18	0.70	1398.74	1.17	0.72	0.00	...	...	15.29	0.0050	18.61	35.38	-6.91	
129	191		3/2	1.12	0.67	1397.95	-0.79	0.38	...	...	...	17.26	0.0039	18.65	36.09	-7.02	
130	192			1.11	0.68	1399.16	1.21	0.42	0.00	...	...	15.85	0.0044	19.07	36.60	-7.50	
131	193		1/2	1.12	0.68	1398.62	-0.53	0.68	...	...	...	17.64	0.0027	18.99	36.67	-8.47	
132	194			1.12	0.67	1399.62	1.00	0.46	0.00	...	...	16.29	0.0031	19.35	37.11	-8.77	
133	195		5/2	1.11	0.69	1398.99	-0.63	0.36	...	...	...	18.02	0.0024	19.48	37.56	-8.74	
134	196			1.11	0.69	1400.09	1.10	0.47	0.00	...	...	16.69	0.0023	19.84	38.08	-9.28	
135	197		3/2 ⁻	1.09	0.71	1400.13	0.04	1.14	...	...	...	17.87	0.0024	19.91	38.70	-10.41	
136	198			1.08	0.68	1401.41	1.28	1.32	0.06	...	...	16.97	0.0020	20.39	39.11	-11.10	
137	199		3/2 ⁺	1.07	0.70	1401.04	-0.37	0.91	0.35	0.24	0.11	18.58	0.0018	20.28	39.41	-11.31	
138	200			1.07	0.70	1401.97	0.93	0.56	0.10	0.19	0.48	17.74	0.0016	20.69	39.84	-11.38	
139	201		5/2 ⁻	1.07	0.70	1401.50	-0.47	0.46	0.05	0.00	0.10	19.17	0.0017	20.78	40.36	-11.57	
140	202			1.07	0.68	1402.17	0.67	0.19	0.00	...	...	18.37	0.0014	21.07	40.69	-11.74	
141	203		5/2	1.07	0.69	1401.57	-0.59	0.07	...	...	...	19.78	0.0013	21.19	41.17	-12.13	
142	204			1.07	0.67	1402.14	0.56	-0.03	0.00	...	...	19.00	0.0012	21.23		-12.36	
143	205		1/2 ⁺	1.06	0.69	1401.85	-0.28	0.28	...	...	...	20.26	0.0012	21.66		-13.16	
144	206			1.07	0.67	1402.48	0.63	0.35	0.00	...	...	19.35	0.0011	22.06			
145	207		7/2 ⁻	1.06	0.67	1401.93	-0.55	0.08	...	...	...	20.55	0.0012				
146	208			1.06	0.66	1402.29	0.36	-0.19	0.00	...	...	20.05	0.0009				
Z = 63 (Eu)																	
62	125	3/2 ⁺		1.03	1.19	967.22						15.70	0.0116	-3.98	-4.46	4.22	10 ^{0.92}
63	126	3/2 ⁺	3/2 ⁺	1.02	1.17	980.51	13.29					16.88	0.0140	-3.19	-3.55	4.52	10 ^{-0.30}
64	127	3/2 ⁺		1.02	1.15	995.48	14.97	28.26				13.83	0.0265	-2.69	-2.49	4.50	10 ^{-0.53}
65	128	3/2 ⁺	5/2 ⁺	1.02	1.14	1008.09	12.60	27.57				15.20	0.0341	-2.01	-1.67	4.27	10 ^{1.01}
66	129	3/2 ⁺		1.03	1.12	1022.22	14.13	26.74				12.38	0.0545	-1.85	-0.85	4.04	10 ^{1.95}
67	130	3/2 ⁺	1/2 ⁺	1.04	1.11	1034.21	11.99	26.12				13.83	0.0491	-1.17	-0.11	3.85	10 ^{3.51}
68	131	3/2 ⁺		1.04	1.09	1047.81	13.60	25.59				11.02	0.1474	-1.01	0.73	3.55	10 ^{5.14}
69	132	3/2 ⁺	7/2 ⁻	1.05	1.08	1059.29	11.48	25.08				12.40	0.2848	-0.32	1.47	3.33	10 ^{7.18}
70	133	5/2 ⁺		1.04	1.06	1072.23	12.94	24.42				9.59	0.8008	-0.24	2.31	3.15	10 ^{8.34}
71	134	5/2 ⁺	1/2 ⁻	1.05	1.05	1082.94	10.71	23.65				10.93	0.8208	0.34	2.87	3.18	10 ^{8.40}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 63$ (Eu)																	
72	135	5/2 ⁺		1.05	1.04	1095.07	12.13	22.84				8.34	2.2235	0.43	3.58	3.15	10 ^{8.32}
73	136	5/2 ⁺	1/2 ⁻	1.05	1.03	1105.16	10.08	22.22				9.78	1.7080	0.96	4.26	3.21	10 ^{8.13}
74	137	5/2 ⁺		1.04	1.03	1116.72	11.56	21.64				7.51	4.9741	0.99	4.93	3.07	10 ^{9.02}
75	138	3/2 ⁺	9/2 ⁻	1.16	1.01	1126.57	9.85	21.42				8.82	12.1955	1.56	5.51	2.62	10 ^{13.82}
76	139	3/2 ⁻		1.17	1.01	1137.91	11.33	21.19				6.28	13.1720	1.73	6.24	2.18	10 ^{19.23}
77	140	3/2 ⁻	1/2 ⁺	1.23	1.01	1147.11	9.20	20.53				8.11	15.1766	2.14	6.69	2.25	10 ^{18.61}
78	141	3/2 ⁺		1.30	1.04	1158.08	10.97	20.17				6.04	29.9951	2.08	7.17	1.88	> 10 ²⁰
79	142	1/2 ⁺	1/2 ⁻	1.31	1.03	1167.50	9.42	20.39				8.01	> 100	2.60	7.74	1.22	> 10 ²⁰
80	143	1/2 ⁺		1.34	1.09	1178.88	11.38	20.80				5.48	64.0773	2.59	8.23	0.33	> 10 ²⁰
81	144	1/2 ⁺	1/2 ⁺	1.33	1.07	1188.18	9.30	20.69				7.12	48.3563	3.04	8.76	-0.14	
82	145	1/2 ⁺		1.33	1.22	1199.25	11.06	20.37				2.60	> 100	3.16	9.43	-0.30	
83	146	1/2 ⁺	7/2 ⁻	1.33	1.04	1206.24	6.99	18.06				3.79	> 100	3.61	9.94	1.48	> 10 ²⁰
84	147	1/2 ⁺		1.33	0.98	1214.62	8.37	15.37				1.21	> 100	3.81	10.68	3.50	10 ^{5.55}
85	148	3/2 ⁺	1/2 ⁻	1.20	0.96	1221.05	6.44	14.81	100.00	0.00	0.00	±	±	4.45	11.44	3.54	10 ^{5.56}
86	149	3/2 ⁺		1.16	0.96	1229.64	8.59	15.02				0.93	> 100	4.64	12.09	2.59	10 ^{13.87}
87	150	3/2 ⁺	3/2 ⁻	1.13	0.97	1236.49	6.86	15.44	100.00	0.00	0.00	±	±	5.14	12.56	1.42	> 10 ²⁰
88	151	5/2 ⁻		1.09	0.99	1244.91	8.41	15.27				0.08		5.24	13.23	0.94	> 10 ²⁰
89	152	5/2 ⁺	1/2 ⁺	1.08	0.99	1251.59	6.68	15.10	100.00	0.00	0.00	±	±	5.82	13.83	0.64	> 10 ²⁰
90	153	5/2 ⁺		1.05	0.99	1259.91	8.32	15.01				...	β -stable	5.80	14.44	0.06	> 10 ²⁰
91	154	5/2 ⁺	3/2 ⁺	1.06	0.97	1266.42	6.50	14.82	100.00	0.00	0.00	±	±	6.28	15.00	-0.35	
92	155	5/2 ⁺		1.06	0.96	1274.24	7.82	14.32	100.00	0.00	0.00	0.46	> 100	6.37	15.64	-0.47	
93	156	5/2 ⁺	3/2 ⁻	1.06	0.93	1280.31	6.07	13.90	100.00	0.00	0.00	2.72	> 100	6.85	16.18	-0.60	
94	157	5/2 ⁺		1.06	0.91	1287.62	7.31	13.38	100.00	0.00	0.00	1.54	> 100	6.90	16.81	-0.73	
95	158	5/2 ⁺	5/2 ⁺	1.06	0.90	1293.33	5.71	13.02	100.00	0.00	0.00	3.69	> 100	7.49	17.47	-0.89	
96	159	5/2 ⁺		1.07	0.89	1300.21	6.89	12.59	100.00	0.00	0.00	2.58	> 100	7.62	18.12	-1.11	
97	160	5/2 ⁺	5/2 ⁻	1.07	0.88	1305.61	5.39	12.28	100.00	0.00	0.00	4.64	13.2143	8.15	18.81	-1.46	
98	161	5/2 ⁺		1.07	0.87	1312.16	6.55	11.94	100.00	0.00	0.00	3.55	> 100	8.29	19.51	-1.77	
99	162	5/2 ⁺	1/2 ⁻	1.08	0.85	1317.14	4.98	11.53	100.00	0.00	0.00	5.65	54.6202	8.77	20.13	-2.05	
100	163	5/2 ⁺		1.09	0.83	1323.30	6.16	11.14	100.00	0.00	0.00	4.59	27.0115	8.88	20.76	-2.35	
101	164	5/2 ⁺	7/2 ⁺	1.09	0.82	1327.98	4.68	10.84	100.00	0.00	0.00	6.62	14.3585	9.40	21.35	-2.67	
102	165	5/2 ⁺		1.10	0.82	1333.74	5.76	10.44	99.76	0.24	0.00	5.62	7.5242	9.49	21.97	-2.91	
103	166	5/2 ⁺	5/2 ⁻	1.11	0.81	1337.90	4.16	9.92	99.42	0.58	0.00	7.70	1.8959	10.05	22.58	-2.98	
104	167	5/2 ⁺		1.12	0.80	1343.00	5.10	9.26	97.41	2.59	0.00	6.88	1.9659	10.28	23.18	-2.94	
105	168	5/2 ⁺	7/2 ⁻	1.13	0.81	1346.57	3.57	8.67	90.50	9.50	0.00	8.93	0.2040	10.84	23.83	-2.96	
106	169	5/2 ⁺		1.15	0.80	1351.24	4.66	8.24	39.20	60.80	0.00	7.94	0.4920	10.77	24.39	-3.12	
107	170	5/2 ⁻	9/2 ⁺	1.18	0.80	1354.57	3.34	8.00	76.09	23.91	0.01	9.98	0.1291	11.25	25.02	-3.54	
108	171	5/2 ⁻		1.19	0.79	1359.12	4.55	7.89	60.92	39.08	0.00	8.91	0.0945	11.32	25.60	-3.98	
109	172	5/2 ⁻	1/2 ⁻	1.22	0.79	1362.21	3.09	7.64	57.98	41.71	0.31	10.88	0.0789	11.78	26.10	-4.36	
110	173	5/2 ⁻		1.23	0.78	1366.41	4.20	7.29	52.01	47.95	0.03	9.84	0.0654	11.81	26.61	-4.59	
111	174	5/2 ⁻	3/2 ⁻	1.25	0.78	1369.24	2.83	7.03	36.43	61.22	2.35	11.72	0.0535	12.21	27.08	-4.84	
112	175	3/2 ⁺		1.27	0.77	1373.25	4.01	6.84	2.95	96.16	0.89	10.59	0.0920	12.19	27.52	-5.16	
113	176	3/2 ⁻	11/2 ⁺	1.28	0.77	1376.01	2.76	6.77	14.67	70.12	15.20	12.32	0.0499	12.61	27.98	-5.56	
114	177	3/2 ⁻		1.29	0.75	1379.91	3.90	6.65	15.56	82.58	1.85	11.20	0.0419	12.61	28.42	-5.88	
115	178	3/2 ⁻	7/2 ⁻	1.28	0.72	1382.45	2.54	6.44	17.69	61.53	20.75	12.97	0.0324	13.10	28.95	-6.12	
116	179	3/2 ⁻		1.28	0.72	1385.98	3.53	6.07	9.75	85.90	4.18	11.97	0.0274	13.11	29.29	-6.19	
117	180	3/2 ⁻	9/2 ⁻	1.26	0.75	1388.18	2.20	5.73	8.68	58.58	32.39	13.70	0.0147	13.56	29.69	-6.38	
118	181	3/2 ⁻		1.25	0.71	1391.63	3.45	5.65	3.62	75.47	20.03	12.51	0.0157	13.50	30.05	-6.65	
119	182	9/2 ⁻	1/2 ⁺	1.21	0.70	1393.28	1.65	5.10	0.07	38.21	59.86	14.62	0.0114	14.05	30.65	-6.49	
120	183	3/2 ⁺		1.22	0.70	1396.77	3.49	5.14	0.05	30.88	66.61	12.88	0.0188	14.09	31.12	-6.89	
121	184	3/2 ⁺	1/2 ⁻	1.22	0.71	1398.98	2.21	5.71	4.77	11.88	81.45	14.59	0.0177	14.49	31.43	-8.06	
122	185	3/2 ⁺		1.22	0.64	1402.21	3.23	5.44	0.01	39.51	54.34	13.55	0.0155	14.47	31.87	-8.26	
123	186	11/2 ⁻	3/2 ⁻	1.22	0.61	1404.60	2.39	5.62	1.47	30.71	65.36	14.78	0.0120	14.84	32.24	-8.75	
124	187	11/2 ⁻		1.22	0.61	1407.95	3.35	5.74	0.00	38.39	57.70	13.79	0.0115	14.74	32.52	-9.31	
125	188	1/2 ⁺	1/2 ⁻	1.20	0.57	1410.44	2.49	5.84	0.01	0.00	95.56	15.02	0.0151	15.25	32.99	-9.78	
126	189	5/2 ⁺		1.20	0.84	1413.29	2.85	5.34	0.02	1.36	91.05	14.65	0.0106	15.28	33.42	-9.56	
127	190	1/2 ⁺	9/2 ⁺	1.20	0.76	1413.24	-0.05	2.80	0.00	1.23	86.39	17.94	0.0068	15.67	33.85	-7.50	
128	191	1/2 ⁺		1.20	0.70	1414.43	1.18	1.14	0.00	...	...	16.74	0.0083	15.69	34.29	-6.26	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 63 (Eu)																	
129	192	5/2	3/2	1.12	0.67	1414.23	-0.19	0.99	...	...	...	18.55	0.0052	16.28	34.93	-6.55	
130	193	5/2		1.11	0.67	1415.49	1.25	1.06	0.00	...	...	17.05	0.0075	16.33	35.40	-7.06	
131	194	5/2	1/2	1.12	0.68	1415.13	-0.36	0.90	...	...	...	19.03	0.0036	16.50	35.49	-7.53	
132	195	1/2		1.13	0.67	1416.23	1.10	0.75	0.00	...	...	17.64	0.0037	16.61	35.96	-7.84	
133	196	1/2	5/2	1.11	0.70	1415.99	-0.24	0.86	...	...	...	19.38	0.0031	17.00	36.49	-8.06	
134	197	7/2+		1.10	0.69	1417.22	1.23	0.99	0.00	...	...	18.05	0.0029	17.13	36.97	-8.65	
135	198	7/2+	3/2-	1.08	0.70	1417.60	0.38	1.61	...	...	...	19.16	0.0032	17.47	37.38	-9.80	
136	199	5/2-		1.07	0.69	1418.84	1.24	1.62	0.03	...	...	18.28	0.0022	17.43	37.82	-10.30	
137	200	5/2-	3/2+	1.07	0.71	1418.93	0.09	1.33	0.02	0.01	0.68	19.90	0.0019	17.89	38.17	-10.41	
138	201	5/2-		1.06	0.71	1419.88	0.95	1.04	0.01	0.21	0.25	19.00	0.0017	17.91	38.60	-10.56	
139	202	5/2-	5/2-	1.06	0.70	1419.75	-0.13	0.82	0.03	0.00	0.23	20.49	0.0018	18.25	39.04	-10.70	
140	203	5/2		1.06	0.70	1420.57	0.81	0.69	0.00	...	...	19.58	0.0015	18.40	39.47	-10.99	
141	204	5/2	5/2	1.06	0.69	1420.36	-0.21	0.60	...	...	...	21.05	0.0014	18.79	39.98	-11.35	
142	205	5/2-		1.05	0.68	1421.33	0.98	0.76	0.00	...	...	19.89	0.0014	19.20	40.43	-11.94	
143	206	5/2-	1/2+	1.05	0.70	1421.05	-0.29	0.69	...	...	...	21.48	0.0013	19.19	40.86	-12.38	
144	207	5/2-		1.05	0.68	1421.70	0.65	0.37	0.00	...	...	20.58	0.0012	19.22	41.28	-12.50	
145	208	5/2+	7/2-	1.05	0.68	1421.56	-0.14	0.51	...	...	...	21.87	0.0013	19.62		-13.07	
146	209	5/2+		1.05	0.67	1422.06	0.51	0.36	0.00	...	...	21.08	0.0011	19.77		-13.35	
147	210	5/2+	5/2+	1.05	0.67	1421.26	-0.81	-0.30	...	...	...	22.71	0.0010				
148	211	5/2+		1.05	0.66	1421.29	0.04	-0.77	0.00	0.00	0.00	22.06	0.0008				
Z = 64 (Gd)																	
64	128			1.00	1.17	994.42						12.88	0.0319	-1.06	-3.76	5.08	$10^{-3.43}$
65	129		5/2+	1.00	1.15	1007.19	12.77					14.24	0.0325	-0.89	-2.90	4.81	$10^{-1.16}$
66	130			1.01	1.14	1022.02	14.83	27.60				11.41	0.0701	-0.20	-2.05	4.45	$10^{-0.47}$
67	131		1/2+	1.01	1.12	1034.16	12.14	26.96				12.87	0.0519	-0.05	-1.23	4.24	$10^{1.75}$
68	132			1.01	1.09	1048.50	14.34	26.48				10.01	0.1723	0.69	-0.32	3.87	$10^{2.87}$
69	133		7/2-	1.03	1.09	1060.10	11.61	25.95				11.35	0.1813	0.81	0.49	3.57	$10^{5.96}$
70	134			1.03	1.08	1073.69	13.59	25.20				8.46	0.4366	1.46	1.22	3.42	$10^{6.01}$
71	135		5/2+	1.03	1.05	1084.51	10.81	24.40				9.78	0.6891	1.57	1.90	3.40	$10^{7.28}$
72	136			1.04	1.03	1097.23	12.72	23.54				7.14	1.2191	2.16	2.59	3.54	$10^{5.15}$
73	137		9/2-	1.05	1.02	1107.42	10.18	22.91				8.52	1.9717	2.26	3.22	3.48	$10^{6.64}$
74	138			1.09	1.00	1119.77	12.35	22.54				6.02	4.2398	3.05	4.05	3.17	$10^{8.06}$
75	139		9/2-	1.14	1.01	1129.53	9.76	22.11				7.60	5.8943	2.95	4.51	2.97	$10^{11.02}$
76	140			1.16	1.01	1141.48	11.96	21.72				4.84	17.3448	3.58	5.31	2.54	$10^{14.60}$
77	141		3/2-	1.30	1.08	1150.02	8.53	20.49				7.28	10.6775	2.91	5.05	3.29	$10^{8.14}$
78	142			1.31	1.04	1162.28	12.26	20.79				4.44	61.5981	4.20	6.28	2.20	$10^{19.14}$
79	143		1/2-	1.31	1.03	1171.78	9.50	21.76				6.32	27.1137	4.28	6.87	1.49	$> 10^{20}$
80	144			1.35	1.10	1183.54	11.76	21.26				3.87	> 100	4.66	7.25	0.76	$> 10^{20}$
81	145		1/2+	1.35	1.09	1193.05	9.52	21.28				5.41	15.0996	4.87	7.91	0.14	$> 10^{20}$
82	146			1.35	1.22	1204.60	11.55	21.07				0.86	> 100	5.35	8.51	-0.02	
83	147		7/2-	1.34	1.05	1211.66	7.06	18.61				2.17	> 100	5.42	9.03	1.78	$> 10^{20}$
84	148			1.34	0.98	1220.56	8.90	15.96				...	β -stable	5.95	9.75	3.82	$10^{3.20}$
85	149		1/2-	1.24	0.95	1227.06	6.49	15.40				1.80	> 100	6.01	10.45	3.87	$10^{3.96}$
86	150			1.18	0.95	1236.07	9.01	15.50				...	β -stable	6.43	11.07	3.04	$10^{9.27}$
87	151		3/2-	1.14	0.97	1242.93	6.86	15.87				1.20	> 100	6.44	11.58	1.97	$> 10^{20}$
88	152			1.10	0.99	1251.87	8.94	15.81				...	β -stable	6.97	12.21	1.41	$> 10^{20}$
89	153		1/2+	1.08	0.98	1258.53	6.66	15.60				0.60	> 100	6.94	12.76	1.12	$> 10^{20}$
90	154			1.05	0.99	1267.39	8.85	15.51				...	β -stable	7.47	13.27	0.58	$> 10^{20}$
91	155		3/2+	1.05	0.98	1273.91	6.53	15.38				...	β -stable	7.50	13.78	0.16	$> 10^{20}$
92	156			1.05	0.96	1282.25	8.34	14.86				...	β -stable	8.01	14.38	0.16	$> 10^{20}$
93	157		3/2-	1.05	0.94	1288.38	6.13	14.47				...	β -stable	8.07	14.92	0.05	$> 10^{20}$
94	158			1.05	0.92	1296.23	7.85	13.98				...	β -stable	8.61	15.51	-0.07	
95	159		5/2+	1.05	0.91	1302.02	5.78	13.64	100.00	0.00	0.00	0.91	> 100	8.69	16.18	-0.26	
96	160			1.05	0.90	1309.46	7.45	13.23				...	β -stable	9.25	16.87	-0.45	
97	161		5/2-	1.06	0.89	1314.92	5.45	12.90	100.00	0.00	0.00	1.85	40.4968	9.31	17.46	-0.79	
98	162			1.06	0.88	1322.01	7.09	12.54	100.00	0.00	0.00	0.70	> 100	9.85	18.14	-1.12	
99	163		1/2-	1.07	0.87	1327.10	5.09	12.18	100.00	0.00	0.00	2.86	> 100	9.96	18.74	-1.35	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 64 (Gd)																	
100	164			1.07	0.85	1333.81	6.71	11.81	100.00	0.00	0.00	1.74	> 100	10.52	19.40	-1.65	
101	165		7/2 ⁺	1.07	0.84	1338.57	4.76	11.47	100.00	0.00	0.00	3.76	> 100	10.60	20.00	-1.91	
102	166			1.09	0.82	1344.81	6.24	10.99	100.00	0.00	0.00	2.79	36.0226	11.07	20.56	-2.10	
103	167		5/2 ⁻	1.09	0.81	1349.09	4.28	10.52	100.00	0.00	0.00	4.89	4.1235	11.19	21.24	-2.22	
104	168			1.10	0.81	1354.71	5.62	9.90	100.00	0.00	0.00	4.05	4.7724	11.72	22.00	-2.17	
105	169		7/2 ⁻	1.12	0.80	1358.39	3.68	9.30	100.00	0.00	0.00	6.13	0.3486	11.82	22.66	-2.25	
106	170			1.13	0.80	1363.78	5.38	9.06	100.00	0.00	0.00	5.01	1.1102	12.54	23.31	-2.76	
107	171		9/2 ⁺	1.15	0.79	1367.25	3.48	8.86	99.66	0.34	0.00	7.01	0.7577	12.68	23.93	-3.23	
108	172			1.17	0.78	1372.31	5.05	8.53	99.29	0.71	0.00	5.93	0.4264	13.18	24.50	-3.55	
109	173		1/2 ⁻	1.20	0.79	1375.47	3.16	8.22	98.35	1.65	0.00	7.88	0.3182	13.26	25.04	-3.85	
110	174			1.20	0.78	1380.18	4.70	7.87	98.11	1.89	0.00	6.83	0.2522	13.77	25.58	-4.08	
111	175		3/2 ⁻	1.22	0.78	1383.06	2.88	7.59	79.63	20.37	0.00	8.68	0.1906	13.82	26.04	-4.33	
112	176			1.24	0.77	1387.55	4.48	7.37	76.29	23.71	0.00	7.51	0.1857	14.29	26.48	-4.65	
113	177		11/2 ⁺	1.27	0.76	1390.33	2.78	7.26	74.94	25.02	0.04	9.16	0.1867	14.31	26.93	-5.00	
114	178			1.26	0.75	1394.64	4.31	7.09	71.41	28.59	0.00	8.16	0.1349	14.73	27.34	-5.28	
115	179		7/2 ⁻	1.27	0.72	1397.17	2.53	6.84	40.29	59.44	0.28	9.93	0.0919	14.72	27.81	-5.47	
116	180			1.26	0.72	1401.10	3.94	6.47	31.60	68.31	0.09	9.00	0.0713	15.13	28.24	-5.51	
117	181		9/2 ⁻	1.25	0.75	1403.36	2.25	6.19	57.95	41.25	0.80	10.68	0.0304	15.18	28.74	-5.70	
118	182			1.25	0.72	1407.12	3.76	6.02	39.99	59.42	0.59	9.54	0.0315	15.49	28.99	-5.96	
119	183		1/2 ⁺	1.21	0.70	1408.86	1.74	5.51	21.17	75.22	3.60	11.54	0.0227	15.59	29.64	-5.95	
120	184			1.22	0.70	1412.79	3.92	5.67	23.87	74.76	1.36	9.86	0.0268	16.02	30.11	-6.36	
121	185		1/2 ⁻	1.22	0.71	1414.98	2.19	6.12	21.05	69.49	9.40	11.64	0.0235	16.00	30.49	-7.46	
122	186			1.23	0.63	1418.60	3.62	5.81	9.71	89.08	1.15	10.64	0.0192	16.39	30.86	-7.62	
123	187		3/2 ⁻	1.23	0.61	1420.95	2.35	5.97	5.99	89.74	4.21	11.90	0.0192	16.35	31.20	-8.17	
124	188			1.23	0.63	1424.67	3.72	6.07	1.41	94.95	3.56	10.83	0.0193	16.72	31.47	-8.63	
125	189		1/2 ⁻	1.22	0.57	1427.15	2.48	6.20	0.01	96.02	3.89	12.06	0.0181	16.72	31.97	-9.10	
126	190			1.22	0.84	1430.40	3.24	5.73	0.04	93.52	6.24	11.52	0.0142	17.11	32.39	-8.90	
127	191		9/2 ⁺	1.22	0.76	1430.38	-0.02	3.23	1.30	13.56	82.69	15.01	0.0080	17.14	32.81	-6.90	
128	192			1.22	0.71	1432.00	1.62	1.60	0.00	0.95	90.00	13.65	0.0108	17.57	33.26	-5.69	
129	193		3/2	1.13	0.67	1431.75	-0.25	1.37	1.62	0.00	0.66	15.49	0.0085	17.52	33.80	-5.89	
130	194			1.12	0.67	1433.37	1.62	1.38	0.00	0.75	0.09	14.12	0.0091	17.89	34.21	-6.34	
131	195		1/2	1.13	0.68	1433.09	-0.28	1.34	0.58	0.01	0.23	16.01	0.0056	17.96	34.46	-6.84	
132	196			1.13	0.68	1434.59	1.50	1.21	0.00	0.37	0.00	14.77	0.0053	18.35	34.96	-7.13	
133	197		5/2	1.11	0.70	1434.49	-0.10	1.40	0.05	0.00	0.86	16.43	0.0043	18.50	35.50	-7.57	
134	198			1.09	0.70	1435.98	1.49	1.40	0.00	0.47	0.02	15.23	0.0036	18.76	35.89	-8.06	
135	199		3/2 ⁻	1.08	0.70	1436.34	0.36	1.85	0.00	0.00	...	14.25	0.0126	18.74	36.21	-9.06	
136	200			1.07	0.68	1438.05	1.71	2.07	...	...	...	15.47	0.0032	19.21	36.64	-9.66	
137	201		3/2 ⁺	1.06	0.71	1438.09	0.05	1.75	0.46	...	...	17.14	0.0026	19.17	37.06	-9.67	
138	202			1.06	0.71	1439.46	1.37	1.41	0.06	0.57	33.64	16.22	0.0024	19.58	37.49	-9.76	
139	203		5/2 ⁻	1.06	0.71	1439.37	-0.09	1.27	0.02	0.06	0.95	17.75	0.0025	19.61	37.87	-10.03	
140	204			1.05	0.70	1440.62	1.25	1.16	0.08	0.13	0.49	16.75	0.0021	20.06	38.46	-10.36	
141	205		5/2 ⁺	1.05	0.69	1440.44	-0.19	1.07	0.27	0.00	0.21	18.27	0.0019	20.08	38.87	-10.65	
142	206			1.05	0.69	1441.75	1.31	1.12	0.00	0.20	0.02	17.15	0.0019	20.41	39.61	-11.29	
143	207		1/2 ⁺	1.05	0.70	1441.50	-0.25	1.06	0.44	0.00	0.18	18.49	0.0019	20.45	39.65	-11.63	
144	208			1.04	0.68	1442.65	1.15	0.90	0.19	0.14	0.03	17.71	0.0016	20.95	40.16	-12.22	
145	209		7/2 ⁻	1.04	0.68	1442.36	-0.28	0.87	0.04	0.18	0.10	19.23	0.0015	20.81	40.43	-12.22	
146	210			1.04	0.67	1443.18	0.82	0.54	0.34	0.18	0.08	18.45	0.0013	21.12	40.89	-12.40	
147	211		5/2 ⁺	1.04	0.67	1442.57	-0.61	0.21	0.95	0.00	0.47	19.88	0.0012	21.32		-12.34	
148	212			1.04	0.66	1443.02	0.45	-0.16	0.00	...	...	19.09	0.0011	21.73		-12.44	
149	213		7/2 ⁺	1.05	0.67	1441.88	-1.14	-0.69	...	...	...	20.71	0.0010				
150	214			1.05	0.65	1442.03	0.15	-0.99	0.00	0.00	0.00	19.84	0.0009				
Z = 65 (Tb)																	
65	130	5/2 ⁺	5/2 ⁺	0.99	1.16	1004.02						17.22	0.0173	-3.17	-4.06	4.79	10 ^{-0.47}
66	131	5/2 ⁺		0.99	1.14	1019.25	15.22					14.13	0.0398	-2.77	-2.97	4.53	10 ^{0.46}
67	132	5/2 ⁺	1/2 ⁺	0.99	1.12	1032.09	12.84	28.06				15.63	0.0358	-2.07	-2.12	4.30	10 ^{2.06}
68	133	5/2 ⁺		0.99	1.10	1046.53	14.45	27.29				12.79	0.0984	-1.96	-1.28	3.98	10 ^{3.58}
69	134	3/2 ⁺	7/2 ⁻	1.01	1.09	1058.82	12.29	26.74				14.09	0.1027	-1.28	-0.47	3.68	10 ^{5.90}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 65 (Tb)																	
70	135	3/2 ⁺		1.01	1.08	1072.54	13.72	26.01				11.18	0.1932	-1.15	0.31	3.57	10 ^{6.40}
71	136	3/2 ⁺	5/2 ⁺	1.00	1.05	1083.96	11.42	25.14				12.49	0.3508	-0.55	1.02	3.62	10 ^{6.32}
72	137	3/2 ⁺		1.01	1.04	1096.72	12.76	24.18				9.91	0.5354	-0.51	1.65	3.81	10 ^{4.72}
73	138	3/2 ⁺	9/2 ⁻	1.01	1.03	1107.47	10.75	23.51				11.51	0.7588	0.06	2.32	3.76	10 ^{5.35}
74	139	3/2 ⁺		1.00	1.02	1119.72	12.24	22.99				9.03	1.1528	-0.05	3.00	3.65	10 ^{5.78}
75	140	5/2 ⁻	9/2 ⁻	1.09	1.00	1130.28	10.56	22.81				10.43	1.6952	0.75	3.70	3.17	10 ^{9.90}
76	141	5/2 ⁻		1.11	1.00	1142.20	11.92	22.48				7.03	6.0158	0.72	4.30	2.81	10 ^{13.05}
77	142	9/2 ⁻	3/2 ⁻	1.27	1.07	1151.24	9.04	20.97				10.25	2.5125	1.23	4.14	3.62	10 ^{6.33}
78	143	9/2 ⁻		1.29	1.03	1163.44	12.20	21.24				7.55	6.3462	1.17	5.37	2.76	10 ^{13.65}
79	144	9/2 ⁻	1/2 ⁻	1.31	1.04	1173.47	10.03	22.23				9.28	4.9856	1.70	5.98	1.93	> 10 ²⁰
80	145	9/2 ⁻		1.31	1.04	1185.23	11.76	21.79				7.04	7.4613	1.70	6.36	1.14	> 10 ²⁰
81	146	11/2 ⁻	1/2 ⁺	1.35	1.08	1195.06	9.83	21.59				8.76	7.9016	2.01	6.88	0.73	> 10 ²⁰
82	147	11/2 ⁻		1.37	1.22	1206.82	11.76	21.59				4.06	> 100	2.22	7.57	0.35	> 10 ²⁰
83	148	11/2 ⁻	7/2 ⁻	1.36	1.05	1214.27	7.44	19.20				5.52	56.0915	2.60	8.02	2.21	> 10 ²⁰
84	149	11/2 ⁻		1.36	0.98	1223.37	9.11	16.55				2.90	54.5270	2.81	8.76	4.17	10 ^{2.42}
85	150	5/2 ⁻	1/2 ⁻	1.22	0.96	1230.52	7.15	16.25				4.77	> 100	3.46	9.47	4.02	10 ^{3.68}
86	151	5/2 ⁻		1.18	0.96	1239.68	9.16	16.31				2.46	> 100	3.62	10.05	3.23	10 ^{9.10}
87	152	5/2 ⁻	3/2 ⁻	1.11	0.98	1247.13	7.44	16.61				3.96	> 100	4.20	10.63	2.22	> 10 ²⁰
88	153	3/2 ⁺		1.07	1.00	1256.13	9.00	16.44				1.62	> 100	4.25	11.22	1.81	> 10 ²⁰
89	154	3/2 ⁺	1/2 ⁺	1.07	0.99	1263.30	7.17	16.17	100.00	0.00	0.00	3.31	> 100	4.76	11.70	1.50	> 10 ²⁰
90	155	3/2 ⁺		1.05	1.01	1272.18	8.88	16.05				0.95	> 100	4.79	12.26	1.03	> 10 ²⁰
91	156	3/2 ⁺	3/2 ⁺	1.04	0.98	1279.20	7.02	15.90	100.00	0.00	0.00	±	±	5.28	12.78	0.69	> 10 ²⁰
92	157	3/2 ⁺		1.04	0.98	1287.56	8.36	15.38				0.04	> 100	5.31	13.32	0.65	> 10 ²⁰
93	158	3/2 ⁺	3/2 ⁻	1.04	0.95	1294.19	6.64	15.00	100.00	0.00	0.00	±	±	5.82	13.88	0.51	> 10 ²⁰
94	159	3/2 ⁺		1.04	0.94	1302.14	7.94	14.58				...	β-stable	5.91	14.52	0.39	> 10 ²⁰
95	160	3/2 ⁺	5/2 ⁺	1.05	0.92	1308.39	6.25	14.20	100.00	0.00	0.00	±	±	6.38	15.07	0.22	> 10 ²⁰
96	161	3/2 ⁺		1.04	0.92	1315.99	7.59	13.85	100.00	0.00	0.00	0.81	> 100	6.52	15.77	-0.07	
97	162	3/2 ⁺	5/2 ⁻	1.04	0.91	1321.92	5.94	13.53	100.00	0.00	0.00	3.03	> 100	7.00	16.31	-0.30	
98	163	3/2 ⁺		1.05	0.89	1329.18	7.26	13.20	100.00	0.00	0.00	1.77	> 100	7.18	17.03	-0.67	
99	164	3/2 ⁺	1/2 ⁻	1.05	0.88	1334.77	5.59	12.85	100.00	0.00	0.00	3.99	> 100	7.67	17.63	-0.87	
100	165	3/2 ⁺		1.06	0.86	1341.55	6.78	12.37	100.00	0.00	0.00	2.90	> 100	7.74	18.25	-1.10	
101	166	3/2 ⁺	7/2 ⁺	1.06	0.85	1346.82	5.27	12.05	100.00	0.00	0.00	4.96	> 100	8.24	18.84	-1.38	
102	167	3/2 ⁺		1.07	0.84	1353.20	6.38	11.65	100.00	0.00	0.00	3.93	> 100	8.39	19.46	-1.61	
103	168	3/2 ⁺	5/2 ⁻	1.08	0.83	1357.98	4.78	11.16	100.00	0.00	0.00	6.06	11.7328	8.89	20.08	-1.71	
104	169	3/2 ⁺		1.08	0.82	1363.74	5.76	10.54	99.99	0.01	0.00	5.23	13.9958	9.03	20.74	-1.71	
105	170	3/2 ⁺	7/2 ⁻	1.09	0.81	1368.01	4.26	10.02	99.99	0.01	0.00	7.23	0.6060	9.61	21.43	-1.81	
106	171	3/2 ⁺		1.10	0.80	1373.48	5.48	9.74	99.24	0.76	0.00	6.15	2.5121	9.71	22.25	-2.19	
107	172	3/2 ⁺	9/2 ⁺	1.12	0.81	1377.45	3.97	9.45	98.78	1.22	0.00	8.19	1.5659	10.20	22.88	-2.58	
108	173	3/2 ⁺		1.14	0.80	1382.57	5.12	9.09	90.83	9.17	0.00	7.17	0.7430	10.27	23.45	-3.04	
109	174	3/2 ⁺	1/2 ⁻	1.16	0.79	1386.22	3.65	8.77	89.09	10.91	0.00	9.19	0.5198	10.75	24.01	-3.35	
110	175	3/2 ⁺		1.16	0.79	1390.96	4.74	8.39	25.97	74.03	0.00	8.16	0.3991	10.78	24.55	-3.54	
111	176	3/2 ⁺	3/2 ⁻	1.18	0.78	1394.27	3.31	8.05	27.14	72.84	0.02	10.10	0.2841	11.21	25.03	-3.76	
112	177	5/2 ⁻		1.20	0.77	1398.70	4.43	7.74	24.88	75.12	0.00	9.08	0.1121	11.16	25.45	-4.00	
113	178	5/2 ⁻	11/2 ⁺	1.23	0.76	1402.02	3.32	7.75	26.33	73.34	0.34	10.75	0.1114	11.69	26.01	-4.48	
114	179	5/2 ⁻		1.23	0.75	1406.32	4.30	7.61	28.52	71.45	0.03	9.69	0.0924	11.68	26.41	-4.77	
115	180	5/2 ⁻	7/2 ⁻	1.24	0.74	1409.32	3.01	7.30	32.90	63.90	3.20	11.44	0.0715	12.16	26.87	-5.01	
116	181	5/2 ⁻		1.24	0.72	1413.26	3.93	6.94	26.90	72.77	0.33	10.51	0.0576	12.15	27.28	-5.05	
117	182	5/2 ⁻	9/2 ⁻	1.24	0.75	1415.88	2.62	6.56	18.25	74.26	7.49	12.26	0.0274	12.52	27.70	-5.13	
118	183	5/2 ⁻		1.24	0.72	1419.62	3.74	6.37	10.85	87.09	2.05	11.14	0.0286	12.50	27.99	-5.35	
119	184	3/2 ⁺	1/2 ⁺	1.21	0.70	1421.87	2.24	5.99	0.21	37.52	62.10	13.05	0.0336	13.01	28.59	-5.39	
120	185	3/2 ⁺		1.21	0.71	1425.83	3.96	6.21	0.10	92.47	7.20	11.39	0.0389	13.05	29.06	-5.91	
121	186	9/2 ⁻	1/2 ⁻	1.22	0.71	1428.46	2.62	6.59	4.53	46.87	48.46	13.18	0.0247	13.48	29.48	-6.89	
122	187	9/2 ⁻		1.23	0.65	1432.07	3.61	6.23	0.00	95.08	4.55	12.16	0.0219	13.47	29.86	-7.00	
123	188	9/2 ⁻	3/2 ⁻	1.24	0.63	1434.72	2.65	6.26	2.20	39.55	58.06	13.52	0.0211	13.76	30.12	-7.44	
124	189	1/2 ⁺		1.24	0.65	1438.43	3.72	6.37	0.01	71.02	28.20	12.48	0.0334	13.76	30.49	-7.93	
125	190	11/2 ⁻	1/2 ⁻	1.24	0.67	1441.14	2.71	6.43	0.12	39.15	60.45	13.87	0.0190	13.99	30.70	-8.25	
126	191	3/2		1.23	0.84	1444.60	3.46	6.17	0.03	95.79	3.80	13.19	0.0158	14.21	31.32	-8.36	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 65 (Tb)																	
127	192	11/2 ⁻	9/2 ⁺	1.23	0.76	1444.87	0.26	3.73	0.00	33.40	59.83	16.68	0.0087	14.49	31.63	-6.13	
128	193	11/2		1.23	0.71	1446.45	1.59	1.85	0.00	0.32	34.79	15.38	0.0117	14.46	32.03	-4.87	
129	194	1/2	3/2	1.15	0.67	1446.71	0.26	1.85	0.02	0.00	1.58	17.33	0.0117	14.97	32.48	-5.18	
130	195	1/2		1.14	0.67	1448.32	1.60	1.86	0.00	0.20	0.49	15.81	0.0092	14.94	32.83	-5.59	
131	196	1/2	1/2	1.14	0.68	1448.57	0.25	1.86	0.32	0.14	0.44	17.38	0.0084	15.48	33.44	-6.05	
132	197	5/2		1.14	0.68	1450.14	1.56	1.82	0.36	0.26	0.02	16.06	0.0080	15.55	33.90	-6.35	
133	198	5/2	5/2	1.11	0.71	1450.43	0.30	1.86	0.31	0.03	0.23	17.74	0.0059	15.94	34.44	-7.01	
134	199	3/2 ⁺		1.09	0.85	1449.81	-0.62	-0.32	0.17	0.09	0.01	18.69	0.0013	13.83	32.59	-5.28	
135	200	5/2 ⁻	3/2 ⁻	1.08	0.71	1452.73	2.92	2.30	0.20	0.05	1.04	17.75	0.0048	16.39	35.13	-8.45	
136	201	5/2 ⁻		1.06	0.69	1454.46	1.72	4.65	0.11	0.40	0.02	16.73	0.0036	16.41	35.61	-8.94	
137	202	7/2 ⁺	3/2 ⁺	1.06	0.72	1454.90	0.45	2.17	0.02	0.26	2.19	18.41	0.0034	16.81	35.97	-9.01	
138	203	3/2 ⁺		1.06	0.71	1456.34	1.43	1.88	0.07	0.26	0.19	17.42	0.0031	16.88	36.46	-9.20	
139	204	3/2 ⁺	5/2 ⁻	1.05	0.72	1456.60	0.26	1.69	0.06	0.03	0.34	18.99	0.0030	17.23	36.84	-9.37	
140	205	3/2 ⁺		1.05	0.71	1457.93	1.33	1.59	0.08	0.22	0.04	17.99	0.0026	17.30	37.36	-9.75	
141	206	3/2 ⁺	5/2 ⁻	1.04	0.70	1458.12	0.19	1.52	0.06	0.05	0.14	19.52	0.0025	17.68	37.76	-10.07	
142	207	3/2 ⁺		1.04	0.69	1459.20	1.09	1.28	0.17	0.11	0.00	18.60	0.0021	17.46	37.87	-10.34	
143	208	3/2 ⁺	1/2 ⁺	1.04	0.71	1459.57	0.37	1.45	0.00	0.07	0.52	19.78	0.0022	18.07	38.52	-10.92	
144	209	3/2 ⁺		1.04	0.67	1460.81	1.24	1.61	0.14	0.12	0.00	18.64	0.0021	18.17	39.11	-11.18	
145	210	3/2 ⁺	7/2 ⁻	1.04	0.68	1460.85	0.04	1.28	0.12	0.00	0.13	20.33	0.0019	18.48	39.29	-11.50	
146	211	3/2 ⁺		1.04	0.67	1461.67	0.82	0.86	0.21	0.13	0.00	19.58	0.0015	18.49	39.60	-11.67	
147	212	3/2 ⁺	5/2 ⁺	1.03	0.67	1461.33	-0.34	0.48	0.25	0.00	0.60	21.25	0.0013	18.76	40.07	-11.48	
148	213	3/2 ⁺		1.04	0.66	1461.81	0.48	0.14	0.00	...	...	20.46	0.0012	18.79	40.52	-11.45	
149	214	3/2 ⁺	7/2 ⁺	1.04	0.67	1461.09	-0.72	-0.24	...	...	...	22.02	0.0010	19.20		-11.53	
150	215	3/2 ⁺		1.04	0.66	1461.32	0.23	-0.49	0.00	0.00	0.00	21.18	0.0010	19.29		-11.73	
151	216	3/2 ⁺	9/2 ⁻	1.04	0.67	1460.69	-0.63	-0.40	...	...	...	22.44	0.0010				
152	217	3/2 ⁺		1.04	0.66	1460.81	0.12	-0.50	0.00	0.00	0.00	21.74	0.0009				
153	218	3/2 ⁺	1/2 ⁺	1.05	0.67	1459.80	-1.02	-0.89	0.00	0.00	...	23.30	0.0008				
Z = 66 (Dy)																	
67	133		1/2 ⁺	0.96	1.12	1031.24						14.52	0.0201	-0.85	-2.92	4.25	10 ^{2.86}
68	134			0.97	1.11	1046.34	15.11					11.69	0.0599	-0.19	-2.15	3.97	10 ^{3.50}
69	135		7/2 ⁻	0.98	1.11	1058.71	12.36	27.47				13.05	0.0621	-0.11	-1.40	3.74	10 ^{6.09}
70	136			0.98	1.10	1073.09	14.39	26.75				10.08	0.1622	0.55	-0.60	3.70	10 ^{5.34}
71	137		5/2 ⁺	0.98	1.06	1084.62	11.53	25.92				11.32	0.2142	0.67	0.12	3.78	10 ^{5.87}
72	138			0.98	1.03	1098.00	13.38	24.91				8.69	0.3422	1.28	0.77	3.99	10 ^{3.40}
73	139		9/2 ⁻	0.98	1.01	1108.91	10.91	24.28				10.03	0.4986	1.44	1.49	3.89	10 ^{5.07}
74	140			0.99	1.00	1121.81	12.91	23.81				7.68	0.8403	2.10	2.05	3.71	10 ^{5.24}
75	141		9/2 ⁻	1.05	1.00	1132.26	10.45	23.36				9.15	1.1287	1.99	2.74	3.45	10 ^{8.29}
76	142			1.09	1.00	1144.78	12.51	22.96				5.69	5.5794	2.57	3.29	3.29	10 ^{8.52}
77	143		3/2 ⁻	1.25	1.07	1153.84	9.07	21.58				8.82	1.9881	2.60	3.82	3.98	10 ^{4.51}
78	144			1.26	1.05	1166.67	12.83	21.89				6.02	7.9519	3.22	4.39	3.11	10 ^{10.09}
79	145		1/2 ⁻	1.28	1.04	1176.78	10.11	22.94				7.67	5.1258	3.31	5.00	1.54	> 10 ²⁰
80	146			1.39	1.13	1188.99	12.22	22.33				5.29	22.7317	3.76	5.46	1.58	> 10 ²⁰
81	147		1/2 ⁺	1.37	1.09	1199.11	10.11	22.33				6.93	4.3337	4.04	6.05	0.96	> 10 ²⁰
82	148			1.39	1.25	1211.24	12.13	22.25				2.24	80.4982	4.42	6.64	0.59	> 10 ²⁰
83	149		7/2 ⁻	1.38	1.06	1218.96	7.72	19.86				3.62	> 100	4.70	7.30	2.38	10 ^{19.31}
84	150			1.39	1.01	1228.50	9.54	17.26				1.23	> 100	5.13	7.94	4.39	10 ^{1.00}
85	151		1/2 ⁻	1.25	0.95	1235.55	7.05	16.59				3.35	> 100	5.03	8.49	4.41	10 ^{1.99}
86	152			1.19	0.96	1245.15	9.60	16.64				1.20	> 100	5.46	9.08	3.71	10 ^{5.23}
87	153		3/2 ⁻	1.15	0.97	1252.56	7.41	17.01				2.79	> 100	5.43	9.63	2.80	10 ^{14.31}
88	154			1.07	1.00	1262.07	9.52	16.93				0.44		5.95	10.20	2.29	10 ^{19.59}
89	155		1/2 ⁺	1.06	1.00	1269.27	7.20	16.71				2.12	> 100	5.98	10.74	1.96	> 10 ²⁰
90	156			1.04	1.01	1278.60	9.33	16.53				...	β -stable	6.43	11.22	1.57	> 10 ²⁰
91	157		3/2 ⁺	1.04	0.99	1285.66	7.05	16.39				1.12	> 100	6.46	11.74	1.17	> 10 ²⁰
92	158			1.03	0.98	1294.55	8.89	15.94				...	β -stable	6.99	12.30	1.13	> 10 ²⁰
93	159		3/2 ⁻	1.04	0.96	1301.20	6.65	15.54				0.16	> 100	7.00	12.82	1.01	> 10 ²⁰
94	160			1.04	0.95	1309.68	8.48	15.14				...	β -stable	7.54	13.45	0.86	> 10 ²⁰
95	161		5/2 ⁺	1.04	0.94	1316.02	6.34	14.82				...	β -stable	7.62	14.00	0.66	> 10 ²⁰

N	A	Ω_p^π	Ω_n^π	Δ_{LNp} (MeV)	Δ_{LNn} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 66 (Dy)																	
96	162			1.03	0.93	1324.17	8.15	14.49				...	β -stable	8.18	14.70	0.36	$> 10^{20}$
97	163		5/2 ⁻	1.03	0.91	1330.17	6.00	14.15				0.26		8.25	15.25	0.14	$> 10^{20}$
98	164			1.04	0.91	1337.98	7.81	13.81				...	β -stable	8.80	15.97	-0.22	
99	165		1/2 ⁻	1.03	0.89	1343.67	5.68	13.49	100.00	0.00	0.00	1.19	> 100	8.89	16.56	-0.45	
100	166			1.04	0.87	1351.00	7.33	13.02	100.00	0.00	0.00	0.10	> 100	9.44	17.18	-0.69	
101	167		7/2 ⁺	1.04	0.85	1356.35	5.35	12.68	100.00	0.00	0.00	2.14	> 100	9.53	17.77	-0.95	
102	168			1.05	0.84	1363.26	6.91	12.26	100.00	0.00	0.00	1.12	> 100	10.06	18.44	-1.14	
103	169		5/2 ⁻	1.05	0.84	1368.19	4.93	11.84	100.00	0.00	0.00	3.24	32.6072	10.21	19.10	-1.32	
104	170			1.06	0.82	1374.45	6.27	11.20	100.00	0.00	0.00	2.38	78.5836	10.71	19.74	-1.35	
105	171		7/2 ⁻	1.07	0.82	1378.85	4.40	10.66	100.00	0.00	0.00	4.38	1.3848	10.85	20.46	-1.47	
106	172			1.09	0.81	1384.86	6.00	10.40	100.00	0.00	0.00	3.32	7.7453	11.37	21.08	-1.85	
107	173		9/2 ⁺	1.10	0.81	1388.96	4.10	10.10	100.00	0.00	0.00	5.36	4.1864	11.51	21.70	-2.27	
108	174			1.11	0.80	1394.63	5.67	9.77	100.00	0.00	0.00	4.34	1.8008	12.06	22.32	-2.56	
109	175		1/2 ⁻	1.13	0.79	1398.34	3.71	9.39	99.99	0.01	0.00	6.35	1.2199	12.12	22.87	-2.79	
110	176			1.13	0.78	1403.59	5.25	8.96	99.94	0.06	0.00	5.29	0.9598	12.63	23.42	-2.99	
111	177		3/2 ⁻	1.15	0.77	1407.00	3.41	8.66	99.65	0.35	0.00	7.16	0.6657	12.73	23.94	-3.23	
112	178			1.17	0.76	1411.98	4.98	8.39	99.03	0.97	0.00	6.06	0.6299	13.28	24.44	-3.51	
113	179		11/2 ⁺	1.19	0.76	1415.22	3.24	8.22	89.06	10.94	0.00	7.78	0.5974	13.20	24.90	-3.86	
114	180			1.20	0.75	1419.98	4.76	7.99	87.93	12.07	0.00	6.73	0.4714	13.66	25.34	-4.14	
115	181		7/2 ⁻	1.22	0.75	1422.98	3.00	7.76	87.61	12.39	0.00	8.50	0.2843	13.66	25.81	-4.36	
116	182			1.21	0.73	1427.36	4.38	7.38	84.14	15.86	0.00	7.55	0.2290	14.10	26.26	-4.43	
117	183		9/2 ⁻	1.22	0.75	1429.98	2.62	7.00	71.21	28.75	0.04	9.33	0.0594	14.10	26.62	-4.52	
118	184			1.23	0.72	1434.14	4.16	6.78	79.30	20.69	0.00	8.26	0.0680	14.52	27.02	-4.74	
119	185		1/2 ⁺	1.20	0.71	1436.44	2.30	6.46	33.38	65.85	0.77	9.99	0.0546	14.57	27.58	-4.79	
120	186			1.21	0.71	1440.85	4.41	6.72	42.42	57.53	0.05	8.39	0.0608	15.02	28.07	-5.44	
121	187		1/2 ⁻	1.22	0.71	1443.44	2.59	7.00	35.54	63.96	0.50	10.25	0.0508	14.98	28.46	-6.28	
122	188			1.23	0.65	1447.45	4.01	6.60	19.84	80.06	0.10	9.18	0.0465	15.39	28.85	-6.37	
123	189		3/2 ⁻	1.24	0.64	1450.13	2.67	6.69	9.71	88.52	1.77	10.57	0.0427	15.41	29.17	-6.85	
124	190			1.25	0.66	1454.23	4.10	6.78	15.15	84.54	0.32	9.56	0.0426	15.80	29.56	-7.34	
125	191		1/2 ⁻	1.24	0.60	1457.02	2.78	6.89	0.04	96.48	3.48	10.88	0.0381	15.87	29.86	-7.76	
126	192			1.24	0.84	1460.77	3.75	6.54	0.03	99.38	0.59	10.18	0.0316	16.16	30.37	-7.80	
127	193		9/2 ⁺	1.24	0.76	1461.06	0.29	4.04	1.05	90.31	8.26	13.73	0.0154	16.19	30.67	-5.61	
128	194			1.24	0.71	1463.27	2.21	2.50	0.00	0.81	91.73	12.24	0.0236	16.81	31.27	-4.57	
129	195		3/2	1.17	0.68	1463.34	0.08	2.29	1.46	0.08	50.55	14.32	0.0158	16.63	31.59	-4.66	
130	196			1.16	0.68	1465.17	1.83	1.90	0.00	0.49	0.03	12.80	0.0163	16.85	31.80	-4.88	
131	197		1/2	1.15	0.68	1465.42	0.25	2.07	0.48	0.00	1.55	14.50	0.0103	16.84	32.33	-5.37	
132	198			1.14	0.69	1467.39	1.98	2.22	0.00	0.28	0.02	13.25	0.0098	17.26	32.81	-5.72	
133	199		5/2	1.11	0.70	1467.72	0.32	2.30	0.86	0.01	0.36	14.97	0.0076	17.28	33.23	-6.33	
134	200			1.08	0.71	1469.71	1.99	2.31	0.00	0.45	9.01	13.70	0.0060	19.90	33.72	-6.82	
135	201		3/2 ⁻	1.08	0.70	1470.40	0.70	2.68	0.86	0.01	2.05	15.09	0.0066	17.67	34.06	-7.62	
136	202			1.06	0.69	1472.53	2.13	2.83	0.02	2.82	9.19	14.03	0.0053	18.07	34.48	-8.25	
137	203		3/2 ⁺	1.06	0.71	1472.98	0.45	2.58	0.35	2.64	20.22	15.70	0.0043	18.08	34.88	-8.34	
138	204			1.05	0.71	1474.80	1.82	2.27	0.04	1.56	10.85	14.74	0.0040	18.46	35.34	-8.46	
139	205		5/2 ⁻	1.05	0.71	1475.13	0.33	2.15	0.01	0.47	5.06	16.28	0.0039	18.53	35.76	-8.74	
140	206			1.04	0.71	1476.85	1.72	2.05	0.05	1.59	3.86	15.26	0.0033	18.93	36.23	-9.10	
141	207		5/2 ⁻	1.04	0.70	1477.02	0.17	1.89	0.01	0.34	1.86	16.85	0.0031	18.91	36.58	-9.36	
142	208			1.04	0.69	1478.57	1.55	1.72	0.05	0.51	1.73	15.86	0.0026	19.37	36.82	-9.65	
143	209		1/2 ⁺	1.03	0.70	1478.67	0.09	1.64	0.53	0.00	4.80	17.25	0.0027	19.09	37.17	-9.93	
144	210			1.03	0.68	1480.39	1.73	1.82	0.10	0.53	1.20	16.09	0.0026	19.58	37.75	-10.35	
145	211		7/2 ⁻	1.03	0.69	1480.46	0.07	1.80	0.03	0.08	0.51	17.75	0.0023	19.61	38.10	-10.67	
146	212			1.03	0.67	1481.80	1.33	1.40	0.15	0.60	2.10	16.86	0.0020	20.13	38.61	-10.85	
147	213		5/2 ⁺	1.03	0.67	1481.48	-0.31	1.02	0.49	0.00	1.11	18.39	0.0018	20.16	38.91	-10.82	
148	214			1.03	0.66	1482.32	0.84	0.53	0.00	0.51	0.00	17.69	0.0015	20.51	39.30	-10.85	
149	215		7/2 ⁺	1.03	0.67	1481.72	-0.61	0.23	0.27	0.00	0.26	19.27	0.0013	20.63	39.84	-10.85	
150	216			1.03	0.67	1482.35	0.63	0.03	0.00	...	...	18.46	0.0012	21.03	40.32	-11.03	
151	217		9/2 ⁻	1.03	0.67	1481.77	-0.58	0.05	...	...	...	19.77	0.0013	21.08		-11.59	
152	218			1.03	0.66	1482.31	0.55	-0.03	0.00	...	...	19.06	0.0011	21.50		-11.99	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 66$ (Dy)																	
153	219		1/2 ⁺	1.04	0.67	1481.19	−1.12	−0.57	...	...	...	20.79	0.0009	21.40			
154	220			1.04	0.66	1481.38	0.18	−0.94	0.00	0.00	0.00	20.00	0.0009				
155	221		7/2 ⁺	1.04	0.66	1480.07	−1.31	−1.13	0.00	0.00	...	21.43	0.0008				
$Z = 67$ (Ho)																	
69	136	7/2 [−]	7/2 [−]	0.95	1.11	1056.56						15.75	0.0320	−2.15	−2.26	3.82	10 ^{6.23}
70	137	7/2 [−]		0.95	1.10	1071.07	14.51					12.77	0.0662	−2.03	−1.47	3.76	10 ^{6.32}
71	138	7/2 [−]	9/2 [−]	0.95	1.07	1083.18	12.11	26.62				14.04	0.0949	−1.45	−0.78	3.94	10 ^{5.45}
72	139	7/2 [−]		0.95	1.03	1096.67	13.49	25.60				11.46	0.1499	−1.34	−0.06	4.17	10 ^{3.66}
73	140	7/2 [−]	9/2 [−]	0.95	1.02	1108.09	11.43	24.92				12.94	0.1813	−0.81	0.62	4.16	10 ^{4.05}
74	141	7/2 [−]		0.98	1.01	1120.93	12.83	24.26				10.55	0.2712	−0.89	1.21	4.09	10 ^{4.14}
75	142	7/2 [−]	9/2 [−]	1.02	1.00	1132.15	11.22	24.05				11.85	0.4360	−0.12	1.87	3.62	10 ^{7.67}
76	143	7/2 [−]		1.03	1.00	1144.64	12.50	23.72				8.42	1.4682	−0.13	2.44	3.37	10 ^{9.31}
77	144	1/2 ⁺	3/2 [−]	1.19	1.06	1154.10	9.46	21.96				11.78	0.8475	0.26	2.86	4.47	10 ^{2.29}
78	145	1/2 ⁺		1.21	1.03	1166.93	12.82	22.28				9.07	1.9435	0.26	3.48	3.57	10 ^{7.72}
79	146	1/2 ⁺	1/2 [−]	1.23	1.05	1177.57	10.64	23.47				10.64	2.5212	0.79	4.10	1.97	> 10 ²⁰
80	147	1/2 ⁺		1.24	1.05	1189.84	12.27	22.91				8.49	2.5134	0.84	4.60	1.90	> 10 ²⁰
81	148	9/2 [−]	1/2 ⁺	1.34	1.08	1200.14	10.31	22.57				10.31	1.2243	1.04	5.08	1.62	> 10 ²⁰
82	149	9/2 [−]		1.36	1.24	1212.39	12.25	22.56				5.79	6.5812	1.15	5.57	1.14	> 10 ²⁰
83	150	9/2 [−]	7/2 [−]	1.35	1.07	1220.53	8.14	20.39				7.19	9.2371	1.56	6.26	2.83	10 ^{14.77}
84	151	9/2 [−]		1.36	1.00	1230.32	9.79	17.93				4.45	12.1728	1.82	6.95	4.80	10 ^{0.25}
85	152	5/2 [−]	1/2 [−]	1.24	0.96	1238.07	7.75	17.54				6.30	19.2602	2.52	7.55	4.49	10 ^{2.16}
86	153	7/2 ⁺		1.18	0.96	1247.75	9.68	17.43				4.03	> 100	2.60	8.07	3.92	10 ^{5.26}
87	154	7/2 ⁺	3/2 [−]	1.13	0.98	1255.66	7.91	17.59				5.63	84.2621	3.10	8.53	3.16	10 ^{11.53}
88	155	7/2 [−]		1.05	1.01	1265.29	9.62	17.53				3.20	> 100	3.21	9.16	2.69	10 ^{15.95}
89	156	7/2 [−]	1/2 ⁺	1.05	1.01	1273.01	7.72	17.35				4.82	> 100	3.73	9.71	2.42	10 ^{19.78}
90	157	7/2 [−]		1.02	1.02	1282.36	9.36	17.08				2.51	> 100	3.76	10.19	2.06	> 10 ²⁰
91	158	7/2 [−]	3/2 ⁺	1.01	1.01	1289.89	7.52	16.88				3.88	> 100	4.23	10.69	1.70	> 10 ²⁰
92	159	7/2 [−]		1.01	1.01	1298.79	8.90	16.42				1.63	> 100	4.24	11.23	1.69	> 10 ²⁰
93	160	7/2 [−]	3/2 [−]	1.02	0.98	1305.98	7.19	16.09				2.92	> 100	4.78	11.78	1.51	> 10 ²⁰
94	161	7/2 [−]		1.02	0.97	1314.54	8.56	15.76				0.69	> 100	4.86	12.40	1.31	> 10 ²⁰
95	162	7/2 [−]	5/2 [−]	1.02	0.95	1321.41	6.86	15.43	100.00	0.00	0.00	±	±	5.39	13.01	1.08	> 10 ²⁰
96	163	7/2 [−]		1.02	0.95	1329.65	8.24	15.11				...	β -stable	5.48	13.66	0.79	> 10 ²⁰
97	164	7/2 [−]	5/2 ⁺	1.02	0.93	1336.18	6.53	14.77	100.00	0.00	0.00	±	±	6.00	14.25	0.51	> 10 ²⁰
98	165	7/2 [−]		1.02	0.92	1344.08	7.90	14.43				0.04		6.10	14.90	0.20	> 10 ²⁰
99	166	7/2 [−]	1/2 [−]	1.02	0.89	1350.31	6.24	14.14	100.00	0.00	0.00	2.21	> 100	6.65	15.54	−0.09	
100	167	7/2 [−]		1.02	0.89	1357.71	7.39	13.63	100.00	0.00	0.00	1.14	> 100	6.71	16.16	−0.23	
101	168	7/2 [−]	7/2 ⁺	1.03	0.86	1363.59	5.89	13.28	100.00	0.00	0.00	3.22	> 100	7.25	16.78	−0.53	
102	169	7/2 [−]		1.03	0.85	1370.65	7.05	12.94	100.00	0.00	0.00	2.15	77.2226	7.39	17.45	−0.80	
103	170	7/2 [−]	5/2 [−]	1.03	0.84	1376.05	5.41	12.46	100.00	0.00	0.00	4.24	22.0644	7.86	18.07	−0.94	
104	171	7/2 [−]		1.04	0.82	1382.45	6.39	11.80	100.00	0.00	0.00	3.40	7.0202	7.99	18.70	−0.95	
105	172	7/2 [−]	7/2 [−]	1.04	0.82	1387.39	4.95	11.34	100.00	0.00	0.00	5.39	1.2784	8.54	19.39	−1.12	
106	173	7/2 [−]		1.05	0.81	1393.54	6.14	11.09	100.00	0.00	0.00	4.32	2.0206	8.68	20.05	−1.50	
107	174	7/2 [−]	9/2 ⁺	1.07	0.81	1398.19	4.66	10.80	100.00	0.00	0.00	6.33	1.3609	9.23	20.74	−1.89	
108	175	7/2 [−]		1.07	0.80	1403.91	5.72	10.38	100.00	0.00	0.00	5.37	0.7475	9.28	21.34	−2.13	
109	176	7/2 [−]	1/2 [−]	1.09	0.79	1408.10	4.18	9.90	99.88	0.12	0.00	7.45	0.5411	9.75	21.87	−2.35	
110	177	7/2 [−]		1.10	0.78	1413.38	5.29	9.47	99.59	0.41	0.00	6.45	0.4285	9.79	22.42	−2.51	
111	178	7/2 [−]	3/2 [−]	1.11	0.77	1417.26	3.88	9.16	99.42	0.58	0.00	8.34	0.3296	10.26	22.99	−2.74	
112	179	7/2 [−]		1.12	0.77	1422.22	4.96	8.84	98.39	1.61	0.00	7.36	0.2804	10.24	23.52	−2.96	
113	180	7/2 [−]	11/2 ⁺	1.15	0.76	1425.93	3.70	8.67	77.88	22.12	0.00	9.13	0.2610	10.71	23.91	−3.36	
114	181	7/2 [−]		1.15	0.75	1430.69	4.77	8.47	56.74	43.26	0.00	8.14	0.2187	10.72	24.38	−3.70	
115	182	7/2 [−]	7/2 [−]	1.16	0.76	1434.13	3.43	8.20	60.87	39.12	0.01	9.93	0.1599	11.15	24.81	−3.81	
116	183	7/2 [−]		1.16	0.72	1438.53	4.40	7.83	52.49	47.51	0.00	8.98	0.1250	11.17	25.27	−3.92	
117	184	7/2 [−]	9/2 [−]	1.18	0.75	1441.62	3.09	7.49	72.25	27.32	0.43	10.73	0.0552	11.64	25.74	−4.00	
118	185	7/2 [−]		1.20	0.73	1445.65	4.03	7.12	39.88	60.01	0.11	9.81	0.0571	11.51	26.03	−4.10	
119	186	1/2 ⁺	1/2 ⁺	1.20	0.71	1448.46	2.81	6.84	4.22	91.89	3.88	11.45	0.0860	12.02	26.59	−4.28	
120	187	1/2 ⁺		1.20	0.72	1452.91	4.45	7.26	4.66	94.76	0.58	9.90	0.0936	12.06	27.08	−4.99	
121	188	1/2 ⁺	1/2 [−]	1.21	0.72	1455.85	2.94	7.39	18.02	77.84	4.14	11.83	0.0827	12.41	27.39	−5.68	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 67$ (Ho)																	
122	189	$1/2^+$		1.23	0.67	1459.91	4.07	7.00	7.23	91.26	1.51	10.71	0.0847	12.46	27.85	-5.78	
123	190	$1/2^+$	$3/2^-$	1.24	0.64	1463.01	3.09	7.16	9.41	63.76	26.83	12.12	0.0802	12.88	28.29	-6.25	
124	191	$9/2^-$		1.25	0.67	1467.11	4.10	7.20	1.32	97.07	1.61	11.12	0.0438	12.88	28.68	-6.75	
125	192	$9/2^-$	$1/2^-$	1.26	0.66	1470.16	3.05	7.15	0.13	97.39	2.48	12.59	0.0373	13.15	29.02	-7.15	
126	193	$3/2^-$		1.26	0.85	1474.01	3.85	6.89	0.20	96.94	2.84	11.92	0.0277	13.24	29.40	-7.28	
127	194	$9/2^-$	$9/2^+$	1.25	0.77	1474.72	0.71	4.56	0.00	45.67	53.68	15.32	0.0164	13.67	29.85	-5.28	
128	195	$9/2^-$		1.24	0.71	1476.88	2.15	2.87	0.00	0.30	75.42	13.90	0.0248	13.61	30.42	-3.97	
129	196	$3/2^-$	$3/2^-$	1.19	0.69	1477.19	0.31	2.46	0.03	0.16	1.93	16.25	0.0194	13.84	30.47	-4.02	
130	197	$3/2^-$		1.18	0.68	1479.14	1.95	2.26	0.02	0.07	0.01	14.56	0.0230	13.97	30.82	-4.39	
131	198	$3/2^-$	$1/2^-$	1.15	0.69	1479.86	0.73	2.68	0.00	0.08	0.72	16.14	0.0102	14.45	31.29	-4.86	
132	199	$3/2^-$		1.14	0.68	1481.90	2.04	2.77	0.00	0.53	0.00	14.70	0.0107	14.51	31.77	-5.29	
133	200	$5/2^-$	$1/2^-$	1.10	0.72	1482.62	0.72	2.76	0.00	0.28	1.26	16.42	0.0081	14.90	32.19	-5.76	
134	201	$5/2^-$		1.08	0.71	1484.71	2.09	2.81	0.01	0.68	0.43	15.08	0.0068	15.00	34.90	-6.28	
135	202	$5/2^-$	$3/2^-$	1.07	0.70	1485.78	1.07	3.15	0.12	0.16	4.38	16.46	0.0076	15.37	33.04	-7.05	
136	203	$3/2^+$		1.06	0.70	1487.90	2.12	3.19	0.65	0.88	0.01	15.32	0.0073	15.37	33.44	-9.79	
137	204	$3/2^+$	$3/2^+$	1.06	0.71	1488.76	0.86	2.98	0.54	0.21	9.96	16.94	0.0057	15.78	33.86	-7.73	
138	205	$3/2^+$		1.05	0.71	1490.63	1.87	2.73	0.41	0.39	0.36	15.95	0.0054	15.82	34.29	-7.87	
139	206	$7/2^+$	$5/2^+$	1.04	0.72	1491.33	0.70	2.57	0.14	0.18	2.19	17.50	0.0046	16.20	34.73	-8.13	
140	207	$7/2^+$		1.04	0.71	1493.09	1.76	2.46	0.08	0.25	0.41	16.43	0.0043	16.23	35.16	-8.45	
141	208	$7/2^+$	$5/2^-$	1.03	0.71	1493.65	0.57	2.32	0.09	0.03	0.91	18.01	0.0042	16.63	35.54	-8.76	
142	209	$7/2^+$		1.03	0.69	1495.13	1.48	2.04	0.15	0.18	0.08	17.14	0.0032	16.56	35.93	-8.91	
143	210	$7/2^+$	$1/2^+$	1.03	0.71	1495.70	0.57	2.05	0.09	0.51	3.41	18.47	0.0033	17.04	36.13	-9.29	
144	211	$7/2^+$		1.02	0.69	1497.42	1.72	2.29	0.09	0.15	0.05	17.15	0.0033	17.03	36.61	-9.93	
145	212	$7/2^-$	$7/2^-$	1.02	0.69	1497.87	0.45	2.17	0.04	0.15	0.01	18.65	0.0029	17.41	37.03	-10.01	
146	213	$7/2^-$		1.02	0.69	1499.09	1.22	1.66	0.04	0.15	0.06	18.07	0.0022	17.29	37.42	-9.98	
147	214	$7/2^-$	$5/2^+$	1.02	0.68	1499.23	0.14	1.36	0.00	0.32	0.10	19.66	0.0019	17.75	37.90	-10.09	
148	215	$7/2^-$		1.02	0.66	1500.20	0.97	1.12	0.00	0.23	0.00	18.82	0.0017	17.88	38.39	-10.24	
149	216	$7/2^-$	$7/2^+$	1.02	0.68	1500.03	-0.17	0.80	0.00	0.00	0.37	20.39	0.0014	18.31	38.94	-10.40	
150	217	$7/2^-$		1.02	0.66	1500.76	0.73	0.56	0.00	...	...	19.56	0.0013	18.41	39.44	-10.65	
151	218	$7/2^-$	$9/2^-$	1.02	0.67	1500.59	-0.17	0.56	...	...	...	20.91	0.0014	18.82	39.90	-11.21	
152	219	$7/2^-$		1.02	0.66	1501.20	0.62	0.45	0.00	...	...	20.17	0.0012	18.89	40.39	-11.59	
153	220	$7/2^-$	$1/2^+$	1.02	0.66	1500.60	-0.61	0.01	...	...	...	21.79	0.0010	19.40	40.80	-11.61	
154	221	$7/2^-$		1.02	0.66	1500.71	0.12	-0.49	0.00	...	...	21.05	0.0009	19.34		-11.61	
155	222	$7/2^-$	$7/2^+$	1.03	0.66	1499.83	-0.88	-0.77	0.00	0.00	...	22.55	0.0009	19.76		-11.74	
156	223	$7/2^-$		1.03	0.65	1499.87	0.04	-0.85	0.00	0.00	0.00	21.69	0.0008				
157	224	$7/2^-$	$7/2^+$	1.04	0.64	1498.95	-0.92	-0.88	0.00	0.00	...	23.10	0.0008				
$Z = 68$ (Er)																	
70	138			0.90	1.12	1070.52						11.87	0.0474	-0.54	-2.57	4.12	$10^{3.84}$
71	139		$9/2^-$	0.89	1.08	1082.78	12.26					13.10	0.0648	-0.40	-1.84	4.22	$10^{4.26}$
72	140			0.90	1.04	1096.78	13.99	26.25				10.53	0.1037	0.11	-1.23	4.61	$10^{0.98}$
73	141		$9/2^-$	0.91	1.01	1108.36	11.59	25.58				11.78	0.1418	0.27	-0.55	4.56	$10^{2.34}$
74	142			0.94	1.00	1121.80	13.44	25.03				9.56	0.1982	0.88	-0.01	4.49	$10^{1.62}$
75	143		$9/2^-$	0.99	1.00	1132.96	11.16	24.60				10.90	0.2673	0.82	0.70	4.24	$10^{4.14}$
76	144			1.03	1.00	1146.00	13.03	24.19				7.32	1.1457	1.35	1.22	4.11	$10^{3.85}$
77	145		$3/2^-$	1.13	1.07	1155.66	9.66	22.70				10.48	0.4415	1.55	1.82	4.90	$10^{0.60}$
78	146			1.16	1.05	1169.06	13.40	23.07				7.72	1.4835	2.14	2.40	4.01	$10^{4.53}$
79	147		$1/2^-$	1.18	1.06	1179.79	10.72	24.13				9.27	1.0893	2.22	3.01	2.35	$> 10^{20}$
80	148			1.19	1.07	1192.60	12.81	23.53				6.76	1.5925	2.76	3.60	2.37	$> 10^{20}$
81	149		$1/2^+$	1.31	1.09	1203.01	10.41	23.22				8.60	0.8335	2.87	3.90	2.06	$> 10^{20}$
82	150			1.33	1.24	1215.77	12.76	23.18				3.97	13.7077	3.38	4.53	1.52	$> 10^{20}$
83	151		$7/2^-$	1.32	1.07	1223.99	8.22	20.98				5.54	19.4455	3.46	5.03	3.41	$10^{10.00}$
84	152			1.33	1.01	1234.32	10.32	18.55				2.97	30.0859	4.00	5.82	5.22	$10^{-1.91}$
85	153		$1/2^-$	1.26	0.96	1242.20	7.88	18.21				4.77	18.1554	4.13	6.65	5.06	$10^{-0.15}$
86	154			1.19	0.97	1252.25	10.05	17.93				2.62	> 100	4.50	7.11	4.55	$10^{1.35}$
87	155		$3/2^-$	1.13	0.98	1260.11	7.85	17.91				4.39	42.9792	4.45	7.55	3.74	$10^{7.45}$
88	156			1.08	1.00	1270.15	10.04	17.90				2.07	> 100	4.87	8.08	3.29	$10^{9.95}$
89	157		$1/2^+$	1.05	1.01	1277.87	7.72	17.76				3.71	> 100	4.86	8.60	2.98	$10^{13.89}$

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 68 (Er)																	
90	158			1.03	1.01	1287.64	9.77	17.49				1.47	> 100	5.27	9.03	2.73	$10^{15.56}$
91	159		3/2 ⁺	1.02	1.00	1295.22	7.59	17.35				2.78	> 100	5.34	9.57	2.34	> 10^{20}
92	160			1.00	1.00	1304.70	9.48	17.06				0.50	> 100	5.91	10.15	2.20	> 10^{20}
93	161		3/2 ⁻	1.02	0.98	1311.91	7.21	16.69				1.85	> 100	5.93	10.71	2.04	> 10^{20}
94	162			1.01	0.98	1321.01	9.09	16.31				...	β -stable	6.47	11.32	1.84	> 10^{20}
95	163		5/2 ⁻	1.02	0.96	1327.93	6.92	16.02				0.94	> 100	6.52	11.91	1.57	> 10^{20}
96	164			1.01	0.96	1336.69	8.76	15.68				...	β -stable	7.04	12.52	1.29	> 10^{20}
97	165		5/2 ⁺	1.01	0.94	1343.34	6.65	15.41				...	β -stable	7.16	13.16	0.98	> 10^{20}
98	166			1.00	0.93	1351.74	8.41	15.06				...	β -stable	7.67	13.76	0.72	> 10^{20}
99	167		1/2 ⁻	1.01	0.91	1358.07	6.32	14.73				...	β -stable	7.76	14.40	0.40	> 10^{20}
100	168			1.01	0.88	1366.03	7.96	14.28				...	β -stable	8.32	15.03	0.25	> 10^{20}
101	169		7/2 ⁺	1.01	0.87	1372.01	5.98	13.94	100.00	0.00	0.00	0.37	> 100	8.42	15.67	-0.05	
102	170			1.01	0.86	1379.52	7.50	13.48				...	β -stable	8.87	16.26	-0.22	
103	171		5/2 ⁻	1.02	0.84	1385.06	5.55	13.05	100.00	0.00	0.00	1.42	> 100	9.01	16.88	-0.42	
104	172			1.02	0.83	1392.00	6.94	12.49	100.00	0.00	0.00	0.51	> 100	9.56	17.55	-0.45	
105	173		7/2 ⁻	1.02	0.82	1397.07	5.07	12.01	100.00	0.00	0.00	2.53	11.8082	9.68	18.22	-0.59	
106	174			1.03	0.82	1403.74	6.66	11.73	100.00	0.00	0.00	1.44	> 100	10.20	18.88	-0.99	
107	175		9/2 ⁺	1.04	0.81	1408.49	4.76	11.42	100.00	0.00	0.00	3.49	> 100	10.30	19.54	-1.35	
108	176			1.04	0.81	1414.76	6.27	11.02	100.00	0.00	0.00	2.57	20.7776	10.85	20.13	-1.61	
109	177		1/2 ⁻	1.05	0.79	1419.05	4.28	10.55	100.00	0.00	0.00	4.59	11.0561	10.95	20.70	-1.79	
110	178			1.07	0.78	1424.82	5.77	10.06	100.00	0.00	0.00	3.62	7.3135	11.44	21.23	-1.89	
111	179		3/2 ⁻	1.08	0.78	1428.81	3.99	9.76	100.00	0.00	0.00	5.49	4.2115	11.54	21.80	-2.17	
112	180			1.10	0.76	1434.27	5.47	9.45	100.00	0.00	0.00	4.46	3.7263	12.05	22.29	-2.38	
113	181		11/2 ⁺	1.10	0.76	1438.05	3.78	9.24	99.96	0.04	0.00	6.19	3.5319	12.12	22.83	-2.75	
114	182			1.11	0.75	1443.28	5.23	9.01	99.89	0.11	0.00	5.18	2.5426	12.59	23.30	-3.00	
115	183		7/2 ⁻	1.13	0.76	1446.73	3.45	8.68	98.18	1.82	0.00	6.99	1.0596	12.60	23.75	-3.21	
116	184			1.13	0.73	1451.56	4.83	8.28	96.19	3.81	0.00	6.05	0.8620	13.03	24.20	-3.29	
117	185		9/2 ⁻	1.15	0.75	1454.68	3.12	7.95	98.70	1.30	0.00	7.84	0.1450	13.06	24.70	-3.41	
118	186			1.18	0.74	1459.13	4.44	7.57	93.94	6.06	0.00	6.93	0.1779	13.48	24.99	-3.47	
119	187		1/2 ⁺	1.18	0.71	1462.03	2.90	7.34	77.07	22.93	0.00	8.49	0.1509	13.56	25.59	-3.75	
120	188			1.19	0.72	1466.90	4.87	7.77	88.17	11.84	0.00	6.90	0.1710	13.98	26.04	-4.46	
121	189		1/2 ⁻	1.21	0.72	1469.85	2.95	7.82	86.59	13.41	0.00	8.88	0.1331	14.00	26.40	-5.11	
122	190			1.23	0.65	1474.34	4.50	7.45	78.77	21.23	0.00	7.74	0.1297	14.43	26.89	-5.19	
123	191		3/2 ⁻	1.24	0.64	1477.45	3.11	7.61	70.86	29.10	0.04	9.13	0.1204	14.45	27.33	-5.72	
124	192			1.25	0.67	1481.97	4.51	7.63	67.71	32.29	0.00	8.18	0.1206	14.85	27.74	-6.22	
125	193		1/2 ⁻	1.27	0.63	1485.14	3.17	7.69	16.93	83.00	0.07	9.51	0.1170	14.98	28.13	-6.72	
126	194			1.26	0.85	1489.26	4.12	7.29	3.40	96.59	0.01	8.97	0.0871	15.25	28.49	-6.73	
127	195		9/2 ⁺	1.25	0.77	1489.99	0.73	4.85	1.09	91.04	7.87	12.44	0.0359	15.27	28.93	-4.68	
128	196			1.26	0.72	1492.65	2.66	3.39	0.00	25.71	73.88	10.86	0.0659	15.77	29.39	-3.59	
129	197		3/2	1.21	0.69	1492.91	0.26	2.92	1.33	0.24	89.63	13.30	0.0290	15.72	29.57	-3.56	
130	198			1.19	0.69	1495.22	2.31	2.57	0.00	0.60	0.14	11.61	0.0359	16.08	30.05	-3.66	
131	199		1/2	1.15	0.69	1495.82	0.60	2.91	0.39	0.04	12.55	13.16	0.0197	15.96	30.41	-4.18	
132	200			1.15	0.70	1498.26	2.44	3.05	0.02	0.20	9.60	12.01	0.0185	16.36	30.87	-4.80	
133	201		1/2 ⁻	1.10	0.72	1499.01	0.75	3.19	0.96	0.36	21.02	13.67	0.0133	16.39	31.29	-5.30	
134	202			1.08	0.72	1501.45	2.44	3.19	0.01	11.82	52.40	12.32	0.0110	16.74	31.75	-5.76	
135	203		3/2 ⁻	1.07	0.71	1502.43	0.98	3.42	0.92	0.63	34.17	13.78	0.0106	16.66	32.03	-6.42	
136	204			1.06	0.70	1504.92	2.49	3.47	0.56	19.52	48.30	12.64	0.0091	17.02	32.39	-6.92	
137	205		3/2 ⁺	1.06	0.71	1505.80	0.87	3.37	3.11	8.02	51.20	14.24	0.0070	17.04	32.82	-7.10	
138	206			1.05	0.71	1508.05	2.25	3.12	0.55	14.31	56.79	13.27	0.0066	17.42	33.24	-7.22	
139	207		5/2 ⁺	1.04	0.72	1508.74	0.69	2.94	0.27	2.07	46.03	14.86	0.0055	17.41	33.61	-7.46	
140	208			1.03	0.72	1510.88	2.14	2.83	0.04	6.43	34.26	13.81	0.0052	17.79	34.02	-7.78	
141	209		5/2 ⁻	1.03	0.71	1511.49	0.62	2.76	0.29	0.41	16.06	15.36	0.0050	17.84	34.47	-8.07	
142	210			1.03	0.69	1513.39	1.89	2.51	0.03	7.08	12.39	14.48	0.0039	18.26	34.82	-8.24	
143	211		1/2 ⁺	1.02	0.72	1513.80	0.41	2.30	0.66	5.08	6.64	15.99	0.0039	18.09	35.13	-8.48	
144	212			1.02	0.69	1515.74	1.94	2.35	0.05	2.47	6.02	14.92	0.0035	18.31	35.34	-8.87	
145	213		7/2 ⁻	1.01	0.70	1516.38	0.64	2.58	0.01	0.07	5.32	16.24	0.0037	18.50	35.91	-9.41	
146	214			1.01	0.68	1518.11	1.74	2.38	0.00	2.96	5.04	15.17	0.0033	19.03	36.32	-9.42	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 68 (Er)																	
147	215		5/2 ⁺	1.01	0.68	1518.24	0.13	1.87	0.26	0.38	7.93	17.00	0.0026	19.01	36.76	−9.48	
148	216			1.01	0.67	1519.64	1.40	1.52	0.00	1.01	3.57	16.26	0.0021	19.44	37.32	−9.55	
149	217		7/2 ⁺	1.01	0.68	1519.54	−0.10	1.30	0.15	0.00	1.42	17.72	0.0019	19.51	37.82	−9.76	
150	218			1.01	0.66	1520.72	1.18	1.08	0.00	0.41	0.09	16.83	0.0018	19.96	38.37	−10.10	
151	219		9/2 [−]	1.01	0.67	1520.59	−0.13	1.05	0.02	0.00	0.35	18.17	0.0019	20.00	38.83	−10.58	
152	220			1.01	0.66	1521.61	1.01	0.89	0.44	0.24	0.05	17.40	0.0016	20.40	39.29	−10.96	
153	221		1/2 ⁺	1.01	0.66	1520.98	−0.63	0.39	2.04	0.00	0.62	19.08	0.0014	20.38	39.78	−10.91	
154	222			1.01	0.65	1521.60	0.62	−0.01	0.00	...	...	18.25	0.0013	20.88	40.22	−10.99	
155	223		3/2 ⁺	1.01	0.66	1520.78	−0.82	−0.20	...	...	...	19.73	0.0012	20.95	40.71	−11.29	
156	224			1.01	0.65	1521.27	0.49	−0.33	0.00	...	...	18.86	0.0011	21.40		−11.60	
157	225		7/2 ⁺	1.02	0.65	1520.33	−0.94	−0.45	...	...	...	20.30	0.0011	21.39		−11.97	
158	226			1.03	0.64	1520.72	0.39	−0.55	0.00	0.00	0.00	19.41	0.0010				
159	227		11/2 [−]	1.03	0.63	1519.81	−0.92	−0.52	0.00	0.00	...	20.77	0.0010				
Z = 69 (Tm)																	
72	141	1/2 ⁺		0.90	1.04	1094.45						13.13	0.0685	−2.33	−2.22	4.92	10 ^{0.78}
73	142	1/2 ⁺	5/2 ⁺	0.90	1.02	1106.53	12.09					14.49	0.0855	−1.83	−1.56	4.94	10 ^{1.01}
74	143	1/2 ⁺		0.92	1.01	1120.01	13.47	25.56				12.18	0.1066	−1.80	−0.92	4.96	10 ^{0.58}
75	144	1/2 ⁺	7/2 ⁺	0.93	1.00	1131.90	11.89	25.36				13.32	0.1426	−1.07	−0.25	4.49	10 ^{3.32}
76	145	1/2 ⁺		0.94	1.00	1144.99	13.10	24.99				9.88	0.5117	−1.00	0.35	4.23	10 ^{4.52}
77	146	7/2 [−]	3/2 [−]	1.11	1.07	1155.06	10.07	23.17				13.22	0.2201	−0.60	0.96	5.38	10 ^{−0.98}
78	147	7/2 [−]		1.13	1.04	1168.51	13.45	23.51				10.50	0.4807	−0.56	1.58	4.43	10 ^{3.34}
79	148	7/2 [−]	1/2 [−]	1.15	1.06	1179.80	11.29	24.74				12.01	0.5313	0.01	2.23	2.60	10 ^{19.12}
80	149	7/2 [−]		1.19	1.07	1192.68	12.87	24.17				9.55	0.6075	0.08	2.84	2.55	10 ^{19.44}
81	150	7/2 [−]	1/2 ⁺	1.27	1.09	1203.35	10.67	23.55				11.64	0.4486	0.34	3.20	2.52	> 10 ²⁰
82	151	3/2 [−]		1.31	1.25	1216.09	12.74	23.42				7.12	1.8461	0.32	3.70	2.04	> 10 ²⁰
83	152	7/2 [−]	7/2 [−]	1.29	1.07	1224.89	8.79	21.54				8.65	2.8589	0.89	4.36	3.56	10 ^{9.55}
84	153	7/2 [−]		1.31	1.01	1235.25	10.36	19.16				6.17	4.0134	0.93	4.93	5.44	10 ^{−1.58}
85	154	5/2 ⁺	1/2 [−]	1.21	0.96	<i>1243.77</i>	8.52	18.88				<i>7.71</i>	<i>7.9761</i>	<i>1.57</i>	<i>5.70</i>	<i>5.06</i>	10 ^{0.44}
86	155	5/2 ⁺		1.16	0.97	<i>1253.90</i>	<i>10.13</i>	18.65				<i>5.43</i>	<i>37.9022</i>	<i>1.64</i>	<i>6.15</i>	<i>4.72</i>	10 ^{1.78}
87	156	7/2 [−]	3/2 [−]	1.12	0.98	<i>1262.31</i>	<i>8.42</i>	<i>18.55</i>				7.05	8.0344	<i>2.21</i>	<i>6.66</i>	<i>4.05</i>	10 ^{6.00}
88	157	7/2 ⁺		1.06	1.00	1272.40	10.09	18.50				4.68	> 100	2.25	7.12	3.64	10 ^{8.51}
89	158	7/2 ⁺	1/2 ⁺	1.03	1.01	1280.60	8.19	18.28				6.26	> 100	2.73	7.59	3.36	10 ^{11.16}
90	159	1/2 ⁺		1.02	1.02	1290.40	9.81	18.00				4.04	> 100	2.77	8.04	3.18	10 ^{12.47}
91	160	1/2 ⁺	3/2 [−]	1.02	1.01	<i>1298.35</i>	7.94	17.75				<i>5.57</i>	> 100	<i>3.12</i>	<i>8.46</i>	2.95	10 ^{15.03}
92	161	1/2 ⁺		0.99	1.03	<i>1307.91</i>	<i>9.56</i>	17.51				<i>3.22</i>	> 100	<i>3.21</i>	<i>9.13</i>	<i>2.75</i>	10 ^{16.95}
93	162	1/2 ⁺	3/2 [−]	1.00	1.02	<i>1315.64</i>	<i>7.73</i>	<i>17.29</i>				<i>4.59</i>	> 100	<i>3.73</i>	<i>9.66</i>	<i>2.54</i>	10 ^{19.81}
94	163	1/2 ⁺		0.99	1.02	<i>1324.77</i>	<i>9.13</i>	<i>16.86</i>				<i>2.38</i>	> 100	<i>3.76</i>	<i>10.23</i>	<i>2.31</i>	> 10 ²⁰
95	164	1/2 ⁺	5/2 [−]	1.00	0.99	<i>1332.26</i>	<i>7.49</i>	<i>16.62</i>				<i>3.65</i>	> 100	<i>4.33</i>	<i>10.85</i>	<i>2.02</i>	> 10 ²⁰
96	165	1/2 ⁺		0.98	0.99	<i>1341.06</i>	<i>8.80</i>	<i>16.29</i>				<i>1.49</i>	> 100	<i>4.37</i>	<i>11.41</i>	<i>1.78</i>	> 10 ²⁰
97	166	1/2 ⁺	5/2 ⁺	1.00	0.96	<i>1348.22</i>	<i>7.16</i>	<i>15.96</i>				<i>2.74</i>	> 100	<i>4.88</i>	<i>12.04</i>	<i>1.48</i>	> 10 ²⁰
98	167	1/2 ⁺		0.99	0.95	<i>1356.73</i>	<i>8.51</i>	<i>15.67</i>				<i>0.56</i>	> 100	<i>4.98</i>	<i>12.65</i>	<i>1.22</i>	> 10 ²⁰
99	168	1/2 ⁺	1/2 [−]	0.99	0.91	<i>1363.58</i>	<i>6.85</i>	<i>15.36</i>	100.00	0.00	0.00	±	±	<i>5.51</i>	<i>13.27</i>	<i>0.89</i>	> 10 ²⁰
100	169	1/2 ⁺		0.99	0.90	<i>1371.60</i>	<i>8.02</i>	<i>14.88</i>				...	β -stable	<i>5.57</i>	<i>13.90</i>	<i>0.77</i>	> 10 ²⁰
101	170	1/2 ⁺	7/2 ⁺	0.99	0.88	<i>1378.09</i>	<i>6.49</i>	<i>14.51</i>	100.00	0.00	0.00	±	±	<i>6.08</i>	<i>14.50</i>	<i>0.51</i>	> 10 ²⁰
102	171	1/2 ⁺		1.00	0.86	<i>1385.71</i>	<i>7.61</i>	<i>14.10</i>	100.00	0.00	0.00	<i>0.24</i>	> 100	<i>6.19</i>	<i>15.06</i>	<i>0.30</i>	> 10 ²⁰
103	172	1/2 ⁺	5/2 [−]	1.01	0.85	<i>1391.73</i>	<i>6.03</i>	<i>13.64</i>	100.00	0.00	0.00	<i>2.36</i>	> 100	<i>6.67</i>	<i>15.68</i>	<i>0.16</i>	> 10 ²⁰
104	173	1/2 ⁺		1.01	0.85	<i>1398.82</i>	<i>7.09</i>	<i>13.11</i>	100.00	0.00	0.00	<i>1.38</i>	> 100	<i>6.82</i>	16.37	<i>0.12</i>	> 10 ²⁰
105	174	1/2 ⁺	7/2 [−]	1.01	0.84	<i>1404.40</i>	<i>5.58</i>	<i>12.66</i>	100.00	0.00	0.00	<i>3.39</i>	> 100	7.32	17.00	−0.05	
106	175	1/2 ⁺		1.02	0.83	<i>1411.20</i>	<i>6.81</i>	<i>12.39</i>	100.00	0.00	0.00	<i>2.36</i>	> 100	7.47	17.67	−0.46	
107	176	1/2 ⁺	9/2 ⁺	1.02	0.82	1416.55	5.34	12.15	100.00	0.00	0.00	4.32	> 100	8.05	18.35	−0.86	
108	177	1/2 ⁺		1.02	0.82	1422.86	6.31	11.66	100.00	0.00	0.00	3.44	> 100	8.10	18.95	−1.03	
109	178	1/2 ⁺	1/2 [−]	1.03	0.80	1427.65	4.79	11.11	100.00	0.00	0.00	5.55	61.3760	8.60	19.56	−1.16	
110	179	1/2 ⁺		1.04	0.78	1433.51	5.86	10.65	100.00	0.00	0.00	4.58	41.7054	8.69	20.13	−1.30	
111	180	1/2 ⁺	3/2 [−]	1.05	0.78	1437.95	4.44	10.30	100.00	0.00	0.00	6.53	14.4975	9.14	20.69	−1.56	
112	181	1/2 ⁺		1.05	0.77	1443.46	5.51	9.95	99.60	0.40	0.00	5.56	12.6820	9.19	21.24	−1.78	
113	182	1/2 ⁺	11/2 ⁺	1.06	0.76	1447.68	4.22	9.73	99.20	0.80	0.00	7.42	9.3888	9.63	21.75	−2.12	
114	183	1/2 ⁺		1.07	0.75	1452.94	5.26	9.48	87.63	12.37	0.00	6.33	7.9542	9.66	22.24	−2.42	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 69 (Tm)																	
115	184	1/2 ⁺	7/2 ⁻	1.08	0.76	1456.83	3.89	9.15	94.05	5.95	0.00	8.29	2.1909	10.10	22.70	-2.61	
116	185	1/2 ⁺		1.08	0.75	1461.74	4.91	8.81	31.71	68.29	0.00	7.37	1.8899	10.18	23.22	-2.75	
117	186	1/2 ⁺	9/2 ⁻	1.09	0.75	1465.28	3.53	8.45	88.36	11.64	0.00	9.14	0.2030	10.59	23.66	-2.85	
118	187	1/2 ⁺		1.14	0.75	1469.73	4.45	7.99	17.73	82.27	0.00	8.29	0.2933	10.60	24.08	-2.91	
119	188	7/2 ⁻	1/2 ⁺	1.17	0.72	1473.01	3.28	7.73	73.41	26.52	0.07	9.97	0.1058	10.98	24.55	-3.10	
120	189	7/2 ⁻		1.18	0.73	1477.94	4.93	8.21	65.41	34.59	0.00	8.29	0.1317	11.05	25.03	-4.00	
121	190	7/2 ⁻	1/2 ⁻	1.20	0.72	1481.30	3.36	8.29	74.73	25.14	0.13	10.32	0.1127	11.45	25.45	-4.54	
122	191	7/2 ⁻		1.22	0.66	1485.80	4.50	7.86	43.44	56.56	0.00	9.24	0.1099	11.46	25.89	-4.59	
123	192	7/2 ⁻	3/2 ⁻	1.24	0.64	1489.36	3.57	8.06	64.74	34.83	0.44	10.64	0.1007	11.91	26.36	-5.22	
124	193	7/2 ⁻		1.25	0.69	1493.87	4.51	8.07	49.17	50.82	0.01	9.76	0.0944	11.90	26.76	-5.66	
125	194	7/2 ⁻	1/2 ⁻	1.27	0.64	1497.45	3.57	8.08	73.15	26.23	0.62	11.13	0.0865	12.31	27.29	-6.14	
126	195	5/2 ⁻		1.28	0.84	1501.65	4.21	7.78	73.03	26.95	0.02	10.54	0.0673	12.39	27.65	-6.24	
127	196	7/2 ⁻	9/2 ⁺	1.26	0.77	1502.73	1.08	5.28	0.90	60.69	38.40	14.02	0.0312	12.74	28.01	-4.27	
128	197	7/2 ⁻		1.26	0.73	1505.42	2.69	3.77	0.00	66.63	30.66	12.61	0.0481	12.77	28.55	-3.12	
129	198	5/2	3/2	1.22	0.70	1506.04	0.62	3.31	0.03	0.83	70.90	14.98	0.0248	13.13	28.86	-3.02	
130	199	5/2		1.20	0.69	1508.20	2.16	2.78	0.00	0.81	4.66	13.33	0.0276	12.99	29.07	-3.03	
131	200	5/2 ⁺	3/2 ⁺	1.14	0.70	1509.49	1.28	3.45	0.16	0.00	3.01	14.67	0.0288	13.67	29.63	-4.01	
132	201	5/2 ⁺		1.13	0.71	1511.90	2.41	3.69	0.12	0.09	0.04	13.45	0.0282	13.63	30.00	-4.47	
133	202	5/2 ⁺	1/2 ⁻	1.10	0.74	1512.99	1.09	3.50	0.07	1.06	0.26	15.12	0.0193	13.98	30.37	-4.83	
134	203	5/2 ⁺		1.07	0.73	1515.43	2.44	3.53	0.09	0.34	1.88	13.90	0.0135	13.98	30.72	-5.23	
135	204	5/2 ⁺	3/2 ⁻	1.06	0.71	1516.78	1.35	3.79	0.12	0.97	6.89	15.18	0.0151	14.35	31.00	-5.86	
136	205	5/2 ⁺		1.06	0.71	1519.25	2.47	3.83	0.13	0.55	3.00	13.95	0.0129	14.33	31.35	-6.25	
137	206	7/2 ⁻	3/2 ⁺	1.05	0.72	1520.53	1.28	3.76	0.25	0.06	33.73	15.51	0.0083	14.73	31.77	-6.46	
138	207	7/2 ⁻		1.04	0.72	1522.81	2.28	3.56	0.16	1.20	20.27	14.51	0.0078	14.77	32.19	-6.62	
139	208	7/2 ⁻	5/2 ⁺	1.03	0.72	1523.90	1.09	3.37	0.23	0.04	19.96	16.09	0.0065	15.16	32.57	-6.85	
140	209	7/2 ⁻		1.03	0.73	1526.07	2.17	3.26	0.19	1.03	11.45	15.02	0.0059	15.20	32.99	-7.15	
141	210	7/2 ⁻	5/2 ⁻	1.02	0.71	1527.08	1.01	3.18	0.19	0.00	9.88	16.57	0.0057	15.59	33.43	-7.46	
142	211	7/2 ⁻		1.02	0.71	1529.00	1.92	2.93	0.19	0.90	7.52	15.62	0.0045	15.62	33.87	-7.62	
143	212	7/2 ⁻	1/2 ⁺	1.02	0.71	1529.87	0.87	2.79	0.48	0.17	6.37	17.09	0.0046	16.08	34.17	-7.93	
144	213	7/2 ⁻		1.01	0.70	1531.83	1.95	2.83	0.03	0.18	1.68	16.02	0.0041	16.09	34.40	-8.40	
145	214	7/2 ⁻	5/2 ⁺	1.01	0.70	1532.50	0.67	2.63	0.03	0.29	4.52	17.54	0.0038	16.13	34.63	-8.50	
146	215	7/2 ⁺		1.00	0.69	1534.46	1.96	2.64	0.19	0.21	0.39	16.41	0.0041	16.35	35.38	-8.74	
147	216	7/2 ⁺	5/2 ⁺	1.00	0.68	1535.12	0.65	2.62	0.17	0.11	3.21	18.06	0.0034	16.88	35.89	-8.95	
148	217	1/2 ⁺		1.00	0.68	1536.47	1.35	2.01	0.56	0.32	0.11	17.25	0.0027	16.83	36.27	-9.09	
149	218	1/2 ⁺	7/2 ⁺	1.00	0.68	1536.77	0.30	1.65	0.55	0.24	0.22	18.79	0.0022	17.23	36.74	-9.24	
150	219	1/2 ⁺		1.00	0.66	1537.97	1.21	1.50	0.26	0.89	0.24	17.96	0.0020	17.26	37.22	-9.48	
151	220	1/2 ⁺	9/2 ⁻	1.00	0.67	1538.23	0.25	1.46	0.00	0.25	0.97	19.32	0.0021	17.63	37.64	-9.90	
152	221	1/2 ⁺		1.00	0.65	1539.28	1.05	1.30	0.79	0.72	0.24	18.54	0.0017	17.67	38.07	-10.22	
153	222	1/2 ⁺	1/2 ⁺	0.99	0.67	1539.06	-0.21	0.84	1.58	0.75	0.85	20.17	0.0015	18.09	38.47	-10.18	
154	223	1/2 ⁺		1.00	0.66	1539.72	0.66	0.45	0.00	...	...	19.31	0.0014	18.12	39.01	-10.22	
155	224	1/2 ⁺	7/2 ⁺	1.00	0.66	1539.34	-0.38	0.28	...	...	...	20.72	0.0014	18.57	39.51	-10.45	
156	225	1/2 ⁺		1.00	0.65	1539.85	0.50	0.13	0.00	...	...	19.86	0.0013	18.58	39.98	-10.84	
157	226	1/2 ⁺	7/2 ⁺	1.00	0.64	1539.35	-0.50	0.01	...	...	...	21.29	0.0012	19.02	40.41	-11.23	
158	227	1/2 ⁺		1.01	0.62	1539.80	0.44	-0.05	0.00	...	...	20.44	0.0011	19.07		-11.63	
159	228	1/2 ⁺	11/2 ⁻	1.01	0.63	1539.24	-0.56	-0.11	...	...	...	21.81	0.0011	19.43		-12.00	
160	229	1/2 ⁺		1.01	0.62	1539.61	0.37	-0.18	0.00	0.00	0.00	21.03	0.0009				
161	230	1/2 ⁺	9/2 ⁺	1.02	0.63	1538.96	-0.65	-0.28	...	...	...	22.48	0.0008				
Z = 70 (Yb)																	
73	143		5/2 ⁺	0.88	1.01	1105.73						13.49	0.0560	-0.80	-2.63	5.34	10 ^{-0.36}
74	144			0.89	1.00	1119.80	14.06					11.32	0.0671	-0.21	-2.01	5.28	10 ^{-1.13}
75	145		7/2 ⁺	0.90	1.00	1131.70	11.90	25.97				12.51	0.0805	-0.19	-1.26	4.96	10 ^{1.42}
76	146			1.05	1.11	1143.83	12.13	24.03				10.45	0.1385	-1.16	-2.16	6.27	10 ^{-5.01}
77	147		3/2 ⁻	1.07	1.08	1155.68	11.84	23.98				12.05	0.1350	0.61	0.02	5.58	10 ^{-1.37}
78	148			1.08	1.04	1169.74	14.06	25.91				9.28	0.3707	1.23	0.67	4.56	10 ^{2.44}
79	149		1/2 ⁻	1.12	1.06	1181.08	11.35	25.41				10.81	0.2964	1.28	1.30	2.87	10 ^{16.62}
80	150			1.15	1.07	1194.56	13.48	24.83				8.00	0.5318	1.89	1.97	2.80	10 ^{16.42}
81	151		1/2 ⁺	1.24	1.10	1205.29	10.73	24.21				10.02	0.2897	1.94	2.28	2.79	10 ^{17.51}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 70$ (Yb)																	
82	152			1.29	1.25	1218.62	13.34	24.06				5.48	2.0356	2.53	2.85	2.27	$> 10^{20}$
83	153		7/2 ⁻	1.26	1.07	1227.46	8.83	22.17				7.01	3.4781	2.57	3.46	3.85	$10^{7.94}$
84	154			1.29	1.01	1238.35	10.90	19.73				4.63	4.3320	3.11	4.04	5.71	$10^{-2.96}$
85	155		9/2	1.19	0.98	1246.56	8.20	19.10				6.56	2.1160	2.79	4.36	5.73	$10^{-1.97}$
86	156			1.15	0.98	1257.42	10.86	19.07				4.11	19.7411	3.52	5.17	5.20	$10^{-0.77}$
87	157		3/2 ⁻	1.11	0.98	1265.89	8.47	19.33				5.73	6.0270	3.58	5.78	4.61	$10^{3.23}$
88	158			1.09	0.99	1276.32	10.43	18.90				3.49	27.1632	3.92	6.17	4.23	$10^{4.38}$
89	159		1/2 ⁺	1.05	1.00	1284.51	8.19	18.62				5.11	49.7164	3.92	6.64	3.89	$10^{7.65}$
90	160			1.01	1.02	1294.80	10.29	18.48				2.77	78.4670	4.39	7.16	3.65	$10^{8.37}$
91	161		3/2 ⁻	1.01	1.02	1302.73	7.93	18.22				4.40	77.5097	4.39	7.51	3.43	$10^{11.20}$
92	162			1.00	1.02	1312.70	9.97	17.90				2.16	> 100	4.79	8.00	3.23	$10^{11.88}$
93	163		3/2 ⁻	1.00	1.00	1320.51	7.80	17.77				3.48	> 100	4.87	8.59	3.01	$10^{15.10}$
94	164			0.99	1.01	1330.19	9.69	17.49				1.28	> 100	5.42	9.19	2.80	$10^{16.34}$
95	165		5/2 ⁻	1.00	0.98	1337.66	7.47	17.16				2.62	> 100	5.41	9.73	2.55	$> 10^{20}$
96	166			0.98	0.98	1347.03	9.37	16.84				0.40	> 100	5.97	10.34	2.27	$> 10^{20}$
97	167		5/2 ⁺	0.98	0.96	1354.19	7.15	16.52				1.76	> 100	5.97	10.85	2.04	$> 10^{20}$
98	168			0.98	0.95	1363.22	9.03	16.18				...	β -stable	6.49	11.47	1.77	$> 10^{20}$
99	169		1/2 ⁻	0.99	0.92	1370.10	6.88	15.91				0.73	> 100	6.51	12.03	1.53	$> 10^{20}$
100	170			0.99	0.91	1378.66	8.56	15.44				...	β -stable	7.05	12.63	1.38	$> 10^{20}$
101	171		7/2 ⁺	0.99	0.89	1385.17	6.51	15.07				...	β -stable	7.07	13.16	1.20	$> 10^{20}$
102	172			0.99	0.88	1393.31	8.15	14.65				...	β -stable	7.61	13.80	1.01	$> 10^{20}$
103	173		5/2 ⁻	1.00	0.87	1399.42	6.10	14.25				...	β -stable	7.68	14.35	0.89	$> 10^{20}$
104	174			1.00	0.86	1407.01	7.59	13.69				...	β -stable	8.19	15.00	0.80	$> 10^{20}$
105	175		7/2 ⁻	1.00	0.84	1412.79	5.78	13.37	100.00	0.00	0.00	0.47	> 100	8.39	15.71	0.57	$> 10^{20}$
106	176			1.00	0.84	1420.09	7.30	13.08				...	β -stable	8.88	16.35	0.21	$> 10^{20}$
107	177		9/2 ⁺	1.00	0.83	1425.52	5.43	12.74	100.00	0.00	0.00	1.50	> 100	8.98	17.03	-0.15	
108	178			1.00	0.82	1432.42	6.90	12.34	100.00	0.00	0.00	0.53	> 100	9.56	17.66	-0.39	
109	179		1/2 ⁻	1.01	0.80	1437.31	4.88	11.78	100.00	0.00	0.00	2.65	> 100	9.65	18.26	-0.51	
110	180			1.02	0.78	1443.69	6.39	11.27	100.00	0.00	0.00	1.63	> 100	10.18	18.88	-0.64	
111	181		3/2 ⁻	1.03	0.78	1448.24	4.54	10.93	100.00	0.00	0.00	3.60	> 100	10.29	19.43	-0.89	
112	182			1.03	0.77	1454.32	6.08	10.63	100.00	0.00	0.00	2.58	> 100	10.86	20.05	-1.21	
113	183		11/2 ⁺	1.04	0.77	1458.49	4.17	10.25	100.00	0.00	0.00	4.49	82.3946	10.81	20.44	-1.39	
114	184			1.04	0.77	1464.33	5.84	10.01	100.00	0.00	0.00	3.55	41.7237	11.40	21.05	-1.77	
115	185		7/2 ⁻	1.04	0.76	1468.34	4.00	9.85	100.00	0.00	0.00	5.30	6.4061	11.51	21.61	-1.99	
116	186			1.05	0.75	1473.63	5.29	9.30	100.00	0.00	0.00	4.51	6.1860	11.89	22.07	-2.05	
117	187		9/2 ⁻	1.07	0.75	1477.24	3.61	8.90	99.96	0.04	0.00	6.32	0.3840	11.96	22.55	-2.21	
118	188			1.12	0.76	1482.19	4.96	8.57	99.61	0.39	0.00	5.45	0.5247	12.46	23.07	-2.34	
119	189		1/2 ⁺	1.15	0.73	1485.45	3.26	8.22	99.62	0.38	0.00	7.18	0.4420	12.44	23.43	-2.47	
120	190			1.16	0.74	1490.83	5.38	8.64	99.25	0.75	0.00	5.34	0.6797	12.89	23.94	-3.41	
121	191		1/2 ⁻	1.19	0.72	1494.26	3.42	8.81	99.23	0.77	0.00	7.36	0.4725	12.96	24.41	-3.94	
122	192			1.21	0.64	1499.22	4.96	8.39	98.53	1.47	0.00	6.28	0.4860	13.43	24.88	-4.03	
123	193		3/2 ⁻	1.23	0.65	1502.85	3.62	8.59	95.95	4.05	0.00	7.66	0.4648	13.48	25.39	-4.71	
124	194			1.25	0.72	1507.79	4.95	8.57	96.47	3.53	0.00	6.80	0.4679	13.92	25.83	-5.16	
125	195		1/2 ⁻	1.27	0.63	1511.41	3.61	8.56	97.80	2.20	0.00	8.15	0.5217	13.96	26.27	-5.66	
126	196			1.27	0.85	1515.97	4.57	8.18	96.21	3.79	0.00	7.56	0.3966	14.32	26.71	-5.71	
127	197		9/2 ⁺	1.26	0.78	1517.25	1.28	5.84	1.77	97.86	0.38	10.84	0.1471	14.52	27.26	-3.81	
128	198			1.26	0.73	1520.23	2.98	4.26	0.56	93.24	6.20	9.66	0.2044	14.81	27.58	-2.68	
129	199		3/2	1.23	0.71	1520.75	0.52	3.50	1.48	4.28	93.15	12.15	0.0719	14.71	27.84	-2.47	
130	200			1.21	0.71	1523.38	2.62	3.14	0.00	0.88	82.29	10.53	0.0879	15.17	28.16	-2.43	
131	201		3/2 ⁺	1.14	0.72	1524.57	1.19	3.81	0.38	0.08	75.10	11.88	0.0426	15.08	28.74	-3.36	
132	202			1.13	0.72	1527.32	2.76	3.95	0.05	24.05	53.70	10.71	0.0371	15.43	29.06	-3.81	
133	203		1/2 ⁻	1.10	0.73	1528.54	1.22	3.98	1.16	0.29	90.81	12.25	0.0306	15.55	29.53	-4.43	
134	204			1.07	0.74	1531.17	2.63	3.85	0.26	42.78	52.18	11.19	0.0197	15.75	29.72	-4.61	
135	205		3/2 ⁻	1.06	0.72	1532.42	1.25	3.88	1.63	2.19	90.52	12.60	0.0179	15.65	29.99	-5.12	
136	206			1.05	0.72	1535.26	2.83	4.09	0.48	33.29	61.21	11.40	0.0165	16.01	30.33	-5.51	
137	207		3/2 ⁺	1.05	0.72	1536.54	1.28	4.11	4.39	19.50	71.48	12.91	0.0124	16.01	30.74	-5.81	
138	208			1.04	0.72	1539.21	2.67	3.95	0.52	40.45	53.98	11.84	0.0124	16.39	31.16	-5.99	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 70 (Yb)																	
139	209		5/2 ⁺	1.03	0.72	1540.31	1.11	3.78	2.69	10.99	76.08	13.46	0.0095	16.41	31.58	-6.22	
140	210			1.02	0.73	1542.87	2.55	3.66	0.38	34.45	55.28	12.41	0.0084	16.79	31.99	-6.52	
141	211		5/2 ⁻	1.02	0.72	1543.84	0.97	3.52	0.69	1.64	87.14	14.00	0.0083	16.75	32.35	-6.80	
142	212			1.01	0.71	1546.19	2.35	3.32	0.33	21.22	68.67	13.01	0.0062	17.18	32.80	-7.01	
143	213		1/2 ⁺	1.01	0.71	1547.07	0.88	3.23	4.88	3.01	40.27	14.53	0.0061	17.19	33.27	-7.28	
144	214			1.00	0.70	1549.26	2.19	3.07	0.06	8.94	44.34	13.58	0.0053	17.43	33.52	-7.58	
145	215		5/2 ⁺	1.00	0.70	1550.09	0.83	3.02	0.44	5.08	32.98	14.97	0.0049	17.59	33.72	-8.00	
146	216			1.00	0.69	1552.40	2.31	3.14	0.08	10.43	24.12	13.84	0.0048	17.93	34.28	-8.36	
147	217		5/2 ⁺	1.00	0.69	1552.94	0.54	2.85	0.34	2.92	18.07	15.35	0.0045	17.82	34.70	-8.27	
148	218			0.99	0.67	1554.78	1.84	2.38	0.08	4.14	8.52	14.43	0.0040	18.31	35.14	-8.37	
149	219		7/2 ⁺	0.99	0.68	1555.15	0.38	2.21	0.16	0.97	11.54	16.25	0.0028	18.39	35.62	-8.62	
150	220			0.98	0.67	1556.76	1.61	1.98	0.18	2.53	3.53	15.35	0.0027	18.78	36.04	-8.82	
151	221		9/2 ⁻	0.99	0.67	1557.03	0.27	1.88	0.01	0.16	4.45	16.74	0.0027	18.80	36.44	-9.20	
152	222			0.98	0.66	1558.45	1.42	1.69	0.37	0.38	0.59	15.97	0.0022	19.17	36.84	-9.43	
153	223		1/2 ⁺	0.98	0.67	1558.24	-0.20	1.22	1.18	0.32	2.64	17.64	0.0019	19.18	37.27	-9.36	
154	224			0.98	0.66	1559.28	1.04	0.84	0.70	0.20	0.19	16.77	0.0018	19.56	37.69	-9.38	
155	225		7/2 ⁺	0.98	0.66	1558.93	-0.35	0.69	0.94	0.00	0.90	18.23	0.0017	19.59	38.15	-9.66	
156	226			0.99	0.65	1559.87	0.93	0.58	0.27	0.71	0.02	17.30	0.0016	20.01	38.60	-9.97	
157	227		7/2 ⁺	0.99	0.64	1559.45	-0.41	0.52	0.62	0.00	0.96	18.66	0.0015	20.10	39.12	-10.38	
158	228			0.99	0.62	1560.27	0.82	0.41	0.00	...	...	17.80	0.0014	20.48	39.55	-10.71	
159	229		11/2 ⁻	0.99	0.63	1559.86	-0.41	0.41	...	...	...	19.11	0.0014	20.62	40.06	-11.23	
160	230			1.00	0.61	1560.67	0.80	0.39	0.00	...	...	18.28	0.0012	21.05		-11.65	
161	231		9/2 ⁺	1.00	0.63	1560.09	-0.57	0.23				19.72		21.13		-11.99	
162	232			1.01	0.64	1560.70	0.60	0.03				18.95					
163	233		3/2 ⁺	1.01	0.64	1559.52	-1.18	-0.58				20.79					
164	234			1.01	0.61	1559.47	-0.05	-1.23				19.98					
Z = 71 (Lu)																	
75	146	9/2 ⁻	7/2 ⁺	0.93	0.99	1129.30						13.75	0.1214	-2.40	-2.60	5.53	10 ^{-0.60}
76	147	5/2 ⁻		1.01	1.11	1141.75	12.45					13.15	0.0669	-2.09	-3.25	6.55	10 ^{-4.74}
77	148	5/2 ⁻	3/2 ⁻	1.06	1.08	1154.10	12.35	24.80				14.85	0.0672	-1.58	-0.96	6.09	10 ^{-2.81}
78	149	5/2 ⁻		1.08	1.05	1168.23	14.13	26.48				12.07	0.1605	-1.51	-0.28	5.06	10 ^{1.17}
79	150	5/2 ⁻	1/2 ⁻	1.11	1.07	1180.08	11.85	25.98				13.70	0.1550	-1.00	0.28	3.28	10 ^{13.31}
80	151	5/2 ⁻		1.12	1.08	1193.57	13.49	25.34				10.93	0.2200	-0.99	0.90	3.23	10 ^{13.42}
81	152	5/2 ⁻	1/2 ⁺	1.20	1.10	1204.83	11.25	24.75				13.01	0.1733	-0.46	1.48	3.27	10 ^{13.39}
82	153	7/2 ⁻		1.26	1.24	1218.21	13.39	24.64				8.46	0.6711	-0.41	2.12	2.76	10 ^{18.43}
83	154	5/2 ⁻	7/2 ⁻	1.23	1.08	1227.60	9.38	22.77				9.97	1.0187	0.14	2.71	4.04	10 ^{7.28}
84	155	7/2 ⁻		1.24	1.01	1238.56	10.96	20.34				7.22	1.6993	0.20	3.31	5.83	10 ^{-2.16}
85	156	5/2 ⁻	9/2 ⁻	1.17	0.97	1247.38	8.82	19.78				9.26	1.0314	0.82	3.61	5.80	10 ^{-1.71}
86	157	7/2 ⁻		1.13	0.98	1258.25	10.87	19.69				6.86	2.7266	0.83	4.35	5.30	10 ^{0.07}
87	158	5/2 ⁺	3/2 ⁻	1.08	0.99	1267.22	8.97	19.84				8.32	3.2818	1.33	4.90	4.84	10 ^{2.59}
88	159	5/2 ⁺		1.07	1.00	1277.72	10.50	19.47				6.01	18.0331	1.40	5.32	4.47	10 ^{4.26}
89	160	1/2 ⁺	3/2 ⁻	1.03	1.01	1286.39	8.67	19.17				7.62	20.1139	1.88	5.80	4.22	10 ^{6.15}
90	161	1/2 ⁺		1.00	1.02	1296.66	10.27	18.94				5.29	44.9144	1.86	6.26	4.03	10 ^{7.00}
91	162	7/2 ⁺	3/2 ⁻	0.99	1.03	1305.06	8.40	18.67				6.86	48.5913	2.32	6.71	3.83	10 ^{8.75}
92	163	7/2 ⁺		0.99	1.03	1314.99	9.93	18.33				4.73	> 100	2.29	7.08	3.71	10 ^{9.35}
93	164	7/2 ⁺	3/2 ⁺	0.98	1.03	1323.20	8.20	18.14				6.21	> 100	2.69	7.56	3.45	10 ^{11.80}
94	165	7/2 ⁺		0.97	1.02	1333.01	9.81	18.01				3.87	> 100	2.81	8.24	3.20	10 ^{13.68}
95	166	7/2 ⁺	5/2 ⁻	0.99	1.00	1340.95	7.94	17.75				5.30	51.6807	3.29	8.69	2.98	10 ^{16.22}
96	167	9/2 ⁻		0.97	1.00	1350.28	9.33	17.27				3.12	> 100	3.25	9.22	2.79	10 ^{18.10}
97	168	9/2 ⁻	5/2 ⁺	0.97	0.98	1357.91	7.63	16.96				4.53	> 100	3.72	9.69	2.65	> 10 ²⁰
98	169	9/2 ⁻		0.97	0.97	1367.01	9.10	16.73				2.31	> 100	3.79	10.28	2.35	> 10 ²⁰
99	170	9/2 ⁻	1/2 ⁻	0.98	0.93	1374.32	7.31	16.41				3.56	> 100	4.22	10.73	2.20	> 10 ²⁰
100	171	9/2 ⁻		0.96	0.94	1382.95	8.63	15.94				1.44	> 100	4.29	11.35	2.08	> 10 ²⁰
101	172	9/2 ⁻	7/2 ⁺	0.98	0.90	1389.95	7.01	15.64				2.58	> 100	4.79	11.86	1.92	> 10 ²⁰
102	173	9/2 ⁻		0.96	0.91	1398.12	8.16	15.17				0.52	> 100	4.80	12.41	1.78	> 10 ²⁰
103	174	9/2 ⁻	5/2 ⁻	0.98	0.88	1404.77	6.65	14.81	100.00	0.00	0.00	±	±	5.35	13.04	1.62	> 10 ²⁰
104	175	9/2 ⁻		0.98	0.87	1412.48	7.71	14.36				...	β-stable	5.47	13.66	1.53	> 10 ²⁰

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 71 (Lu)																	
105	176	9/2 ⁻	7/2 ⁻	0.98	0.86	1418.73	6.26	13.96	100.00	0.00	0.00	±	±	5.95	14.34	1.30	> 10 ²⁰
106	177	9/2 ⁻		0.98	0.85	1426.23	7.50	13.76	100.00	0.00	0.00	0.39	> 100	6.15	15.03	0.88	> 10 ²⁰
107	178	9/2 ⁻	9/2 ⁺	0.98	0.84	1432.17	5.93	13.44	100.00	0.00	0.00	2.44	> 100	6.65	15.62	0.52	> 10 ²⁰
108	179	9/2 ⁻		0.99	0.83	1439.17	7.00	12.94	100.00	0.00	0.00	1.46	> 100	6.75	16.31	0.33	> 10 ²⁰
109	180	9/2 ⁻	1/2 ⁻	0.99	0.81	1444.55	5.38	12.38	100.00	0.00	0.00	3.54	> 100	7.24	16.89	0.30	> 10 ²⁰
110	181	9/2 ⁻		1.00	0.79	1451.06	6.51	11.89	100.00	0.00	0.00	2.48	27.2557	7.36	17.55	0.10	> 10 ²⁰
111	182	9/2 ⁻	3/2 ⁻	1.01	0.79	1456.12	5.06	11.57	100.00	0.00	0.00	4.49	11.7520	7.88	18.17	-0.17	
112	183	9/2 ⁻		1.01	0.78	1462.19	6.08	11.14	100.00	0.00	0.00	3.55	8.8001	7.87	18.74	-0.39	
113	184	9/2 ⁻	11/2 ⁺	1.01	0.78	1467.10	4.91	10.98	100.00	0.00	0.00	5.31	7.1014	8.61	19.42	-0.86	
114	185	9/2 ⁻		1.01	0.78	1472.85	5.75	10.66	100.00	0.00	0.00	4.30	5.6354	8.52	19.92	-1.10	
115	186	9/2 ⁻	7/2 ⁻	1.01	0.78	1477.36	4.50	10.26	100.00	0.00	0.00	6.29	2.3579	9.02	20.53	-1.38	
116	187	9/2 ⁻		1.01	0.76	1482.78	5.42	9.93	99.99	0.01	0.00	5.45	1.5046	9.15	21.03	-1.54	
117	188	9/2 ⁻	9/2 ⁻	1.02	0.76	1486.86	4.08	9.50	99.72	0.28	0.00	7.31	0.3587	9.62	21.58	-1.73	
118	189	7/2 ⁺		1.08	0.77	1491.85	4.99	9.08	95.15	4.85	0.00	6.38	1.3595	9.66	22.12	-1.81	
119	190	5/2 ⁻	1/2 ⁺	1.14	0.76	1495.39	3.54	8.53	93.92	6.08	0.00	8.63	0.2265	9.94	22.38	-1.82	
120	191	5/2 ⁻		1.14	0.76	1500.84	5.44	8.98	91.69	8.31	0.00	6.72	0.3599	10.00	22.90	-2.81	
121	192	5/2 ⁻	1/2 ⁻	1.17	0.73	1504.72	3.88	9.32	90.70	9.30	0.00	8.74	0.3131	10.46	23.42	-3.41	
122	193	5/2 ⁻		1.19	0.66	1509.73	5.01	8.89	87.91	12.09	0.00	7.72	0.2857	10.51	23.93	-3.49	
123	194	5/2 ⁻	3/2 ⁻	1.22	0.67	1513.82	4.09	9.10	85.72	14.28	0.00	9.25	0.2242	10.97	24.45	-4.22	
124	195	5/2 ⁻		1.24	0.73	1518.78	4.96	9.05	85.62	14.38	0.00	8.33	0.2214	10.99	24.91	-4.68	
125	196	5/2 ⁻	1/2 ⁻	1.26	0.67	1522.75	3.97	8.93	89.59	10.41	0.00	9.78	0.2034	11.34	25.30	-5.09	
126	197	7/2 ⁻		1.26	0.87	1527.30	4.55	8.52	91.97	8.03	0.00	9.21	0.1185	11.33	25.65	-5.14	
127	198	5/2 ⁻	9/2 ⁺	1.25	0.78	1529.11	1.81	6.36	1.10	97.52	1.39	12.41	0.0806	11.86	26.38	-3.37	
128	199	5/2 ⁻		1.26	0.73	1532.12	3.01	4.82	0.00	84.34	15.66	11.23	0.1077	11.89	26.70	-2.17	
129	200	7/2 ⁻	3/2 ⁺	1.21	0.74	1533.12	1.00	4.01	0.25	0.42	96.49	13.67	0.0505	12.37	27.08	-2.10	
130	201	7/2		1.21	0.73	1535.67	2.54	3.54	0.00	0.76	61.68	12.35	0.0512	12.29	27.46	-1.95	
131	202	7/2 ⁻	3/2 ⁺	1.13	0.72	1537.25	1.59	4.13	0.04	0.28	60.39	13.64	0.0334	12.69	27.76	-2.91	
132	203	7/2 ⁻		1.11	0.72	1540.01	2.76	4.35	0.00	0.69	36.79	12.15	0.0357	12.69	28.11	-3.51	
133	204	7/2 ⁻	1/2 ⁻	1.09	0.74	1541.58	1.57	4.33	0.26	0.86	43.93	13.72	0.0297	13.04	28.59	-3.79	
134	205	7/2 ⁻		1.07	0.75	1544.24	2.66	4.23	0.25	12.73	37.18	12.50	0.0231	13.07	28.82	-4.05	
135	206	7/2 ⁻	3/2 ⁻	1.06	0.72	1545.87	1.63	4.29	1.06	0.45	63.28	14.10	0.0190	13.45	29.10	-4.59	
136	207	5/2 ⁺		1.05	0.72	1548.67	2.79	4.42	0.20	1.74	34.40	12.67	0.0240	13.41	29.42	-4.95	
137	208	7/2 ⁻	3/2 ⁺	1.05	0.71	1550.26	1.59	4.39	0.26	4.12	57.98	14.23	0.0148	13.72	29.73	-5.19	
138	209	5/2 ⁺		1.03	0.73	1552.99	2.74	4.33	0.17	5.81	33.37	13.11	0.0168	13.79	30.18	-5.45	
139	210	5/2 ⁺	5/2 ⁺	1.03	0.73	1554.50	1.50	4.24	0.24	2.94	52.39	14.64	0.0134	14.18	30.59	-5.67	
140	211	1/2 ⁺		1.02	0.73	1557.06	2.56	4.06	0.39	3.95	35.52	13.60	0.0122	14.19	30.98	-5.95	
141	212	1/2 ⁺	5/2 ⁻	1.01	0.73	1558.42	1.36	3.92	0.35	0.67	36.78	15.21	0.0112	14.58	31.33	-6.22	
142	213	1/2 ⁺		1.01	0.71	1560.82	2.40	3.76	0.39	5.12	32.14	14.17	0.0084	14.63	31.81	-6.45	
143	214	1/2 ⁺	1/2 ⁺	1.00	0.72	1562.05	1.24	3.64	1.27	4.97	17.67	15.68	0.0083	14.99	32.18	-6.67	
144	215	1/2 ⁺		1.00	0.71	1564.28	2.23	3.46	0.67	1.58	8.28	14.70	0.0069	15.02	32.45	-6.98	
145	216	1/2 ⁺	5/2 ⁺	0.99	0.71	1565.46	1.17	3.40	0.54	0.42	16.83	16.16	0.0064	15.37	32.96	-7.29	
146	217	1/2 ⁺		0.99	0.70	1567.50	2.05	3.22	0.87	0.28	7.72	15.26	0.0054	15.11	33.04	-7.38	
147	218	1/2 ⁺	7/2 ⁻	0.98	0.69	1568.42	0.92	2.96	0.83	0.12	3.45	16.77	0.0054	15.48	33.30	-7.62	
148	219	1/2 ⁺		0.99	0.68	1570.62	2.20	3.12	1.04	0.33	4.15	15.49	0.0052	15.84	34.15	-7.86	
149	220	1/2 ⁺	7/2 ⁺	0.98	0.68	1571.33	0.71	2.91	0.99	0.11	2.68	17.06	0.0041	16.18	34.56	-7.92	
150	221	1/2 ⁺		0.98	0.68	1572.98	1.65	2.36	1.55	0.24	0.06	16.39	0.0035	16.22	35.01	-8.22	
151	222	7/2 ⁺	9/2 ⁻	0.97	0.68	1573.64	0.65	2.30	0.40	0.04	0.16	17.82	0.0034	16.60	35.41	-8.57	
152	223	7/2 ⁺		0.97	0.66	1575.10	1.47	2.12	0.45	0.29	0.07	16.95	0.0027	16.66	35.83	-8.83	
153	224	7/2 ⁺	1/2 ⁺	0.97	0.68	1575.27	0.17	1.64	0.38	0.70	2.91	18.69	0.0023	17.03	36.21	-8.75	
154	225	7/2 ⁺		0.97	0.67	1576.37	1.10	1.27	0.46	0.49	0.36	17.66	0.0023	17.09	36.65	-8.80	
155	226	7/2 ⁺	7/2 ⁺	0.97	0.66	1576.38	0.01	1.11	1.10	0.00	0.75	19.19	0.0020	17.45	37.03	-9.02	
156	227	7/2 ⁺		0.97	0.65	1577.33	0.95	0.96	0.00	...	...	18.00	0.0021	17.47	37.48	-9.31	
157	228	7/2 ⁺	3/2 ⁺	0.97	0.64	1577.29	-0.05	0.91	...	...	...	19.45	0.0019	17.84	37.93	-9.65	
158	229	7/2 ⁺		0.97	0.63	1578.19	0.90	0.86	0.22	...	...	18.58	0.0018	17.92	38.39	-10.04	
159	230	9/2 ⁻	11/2 ⁻	0.97	0.63	1578.16	-0.03	0.87	0.04	0.00	0.12	20.15	0.0015	18.30	38.92	-10.51	
160	231	9/2 ⁻		0.97	0.62	1579.03	0.87	0.84	0.00	0.16	0.00	19.31	0.0013	18.37	39.42	-10.94	
161	232	9/2 ⁻	9/2 ⁺	0.98	0.63	1578.86	-0.17	0.70	0.00	0.00	0.30	20.75	0.0011	18.77	39.90	-11.33	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 71 (Lu)																	
162	233	9/2 ⁻		0.98	0.62	1579.52	0.66	0.49	0.00	...	...	19.97	0.0010	18.82		-11.61	
163	234	9/2 ⁻	3/2 ⁺	0.98	0.64	1578.66	-0.86	-0.20	...	...	...	21.89	0.0009	19.15		-11.40	
164	235	9/2 ⁻		0.98	0.61	1578.81	0.14	-0.71	0.00	...	...	20.98	0.0009	19.34			
165	236	9/2 ⁻	3/2 ⁺	0.98	0.60	1577.77	-1.03	-0.89	0.00	0.00	...	22.42	0.0008				
166	237	9/2 ⁻		0.98	0.60	1577.72	-0.05	-1.08	0.00	0.00	0.00	21.62	0.0008				
Z = 72 (Hf)																	
77	149		3/2 ⁻	1.04	1.10	1153.57						13.88	0.0440	-0.53	-2.11	6.43	10 ^{-3.58}
78	150			1.06	1.07	1168.35	14.79					10.94	0.1259	0.12	-1.38	3.77	10 ^{8.73}
79	151		1/2 ⁻	1.06	1.08	1180.30	11.95	26.74				12.49	0.0878	0.22	-0.78	3.67	10 ^{10.61}
80	152			1.07	1.08	1194.42	14.11	26.07				9.63	0.1669	0.84	-0.15	3.61	10 ^{9.99}
81	153		1/2 ⁺	1.16	1.10	1205.85	11.43	25.55				11.58	0.1062	1.02	0.56	3.53	10 ^{11.77}
82	154			1.22	1.24	1219.92	14.06	25.50				6.90	0.4792	1.70	1.29	2.94	10 ^{16.30}
83	155		7/2 ⁻	1.19	1.09	1229.26	9.35	23.41				8.51	0.7709	1.66	1.81	4.32	10 ^{6.04}
84	156			1.21	1.01	1240.80	11.53	20.88				5.80	1.2376	2.24	2.44	6.13	10 ^{-3.57}
85	157		1/2 ⁻	1.12	1.00	1249.70	8.90	20.44				7.77	0.9539	2.32	3.14	6.05	10 ^{-2.24}
86	158			1.10	0.99	1260.75	11.05	19.95				5.69	1.9304	2.50	3.33	5.90	10 ^{-2.73}
87	159		3/2 ⁻	1.06	1.00	1269.85	9.11	20.16				7.08	1.8468	2.64	3.96	5.00	10 ^{2.30}
88	160			1.04	1.00	1280.83	10.98	20.08				4.78	6.0927	3.11	4.51	4.88	10 ^{1.81}
89	161		3/2 ⁻	1.03	1.01	1289.48	8.65	19.63				6.39	6.4811	3.09	4.97	4.70	10 ^{3.85}
90	162			1.00	1.01	1300.21	10.73	19.38				4.06	14.2279	3.55	5.41	4.41	10 ^{4.47}
91	163		1/2 ⁺	0.98	1.02	1308.63	8.41	19.14				5.58	27.1407	3.57	5.89	4.18	10 ^{6.93}
92	164			0.97	1.03	1319.01	10.38	18.80				3.41	35.6069	4.02	6.31	4.09	10 ^{6.50}
93	165		3/2 ⁺	0.97	1.02	1327.18	8.17	18.55				5.05	58.7009	3.98	6.67	3.85	10 ^{9.21}
94	166			0.96	1.02	1337.34	10.16	18.33				2.83	86.2914	4.33	7.15	3.65	10 ^{9.66}
95	167		5/2 ⁻	0.98	1.00	1345.33	7.99	18.16				4.17	24.5108	4.38	7.67	3.47	10 ^{12.25}
96	168			0.97	1.00	1355.21	9.88	17.87				1.91	> 100	4.93	8.18	3.28	10 ^{12.90}
97	169		5/2 ⁺	0.99	0.97	1362.85	7.64	17.52				3.38	> 100	4.94	8.66	3.11	10 ^{15.59}
98	170			0.98	0.96	1372.39	9.54	17.18				1.15	> 100	5.38	9.17	2.94	10 ^{16.32}
99	171		1/2 ⁻	0.98	0.93	1379.73	7.34	16.88				2.44	> 100	5.41	9.63	2.75	10 ^{19.57}
100	172			0.97	0.92	1388.84	9.11	16.45				0.34	> 100	5.89	10.18	2.68	10 ^{19.46}
101	173		7/2 ⁺	0.98	0.89	1395.84	7.00	16.11				1.49	> 100	5.89	10.67	2.55	> 10 ²⁰
102	174			0.96	0.89	1404.56	8.72	15.72				...	β -stable	6.44	11.24	2.40	> 10 ²⁰
103	175		5/2 ⁻	0.96	0.88	1411.25	6.69	15.41				0.45	> 100	6.48	11.83	2.22	> 10 ²⁰
104	176			0.96	0.88	1419.50	8.25	14.94				...	β -stable	7.02	12.49	2.12	> 10 ²⁰
105	177		7/2 ⁻	0.96	0.86	1425.84	6.35	14.60				...	β -stable	7.11	13.06	1.87	> 10 ²⁰
106	178			0.96	0.85	1433.83	7.98	14.33				...	β -stable	7.59	13.74	1.47	> 10 ²⁰
107	179		9/2 ⁺	0.96	0.84	1439.84	6.01	14.00				...	β -stable	7.68	14.32	1.24	> 10 ²⁰
108	180			0.96	0.84	1447.31	7.46	13.48				...	β -stable	8.14	14.89	1.08	> 10 ²⁰
109	181		1/2 ⁻	0.97	0.82	1452.76	5.45	12.91	100.00	0.00	0.00	0.93	> 100	8.21	15.45	1.06	> 10 ²⁰
110	182			0.97	0.80	1459.82	7.07	12.52	100.00	0.00	0.00	...	β -stable	8.76	16.13	0.89	> 10 ²⁰
111	183		3/2 ⁻	0.98	0.79	1464.96	5.14	12.20	100.00	0.00	0.00	1.77	> 100	8.84	16.72	0.64	> 10 ²⁰
112	184			0.98	0.79	1471.63	6.66	11.80	100.00	0.00	0.00	0.82	> 100	9.43	17.31	0.36	> 10 ²⁰
113	185		11/2 ⁺	0.99	0.79	1476.38	4.75	11.41	100.00	0.00	0.00	2.83	> 100	9.27	17.89	0.16	> 10 ²⁰
114	186			0.98	0.78	1482.86	6.49	11.24	100.00	0.00	0.00	1.72	> 100	10.01	18.53	-0.25	
115	187		7/2 ⁻	0.97	0.76	1487.44	4.58	11.07	100.00	0.00	0.00	3.72	65.6189	10.08	19.11	-0.66	
116	188			0.97	0.75	1493.38	5.94	10.52	100.00	0.00	0.00	2.74	> 100	10.61	19.75	-0.75	
117	189		9/2 ⁻	1.00	0.76	1497.45	4.07	10.01	100.00	0.00	0.00	4.74	1.2322	10.60	20.22	-0.82	
118	190			1.03	0.78	1503.24	5.78	9.86	100.00	0.00	0.00	3.52	4.3702	11.39	21.05	-1.32	
119	191		1/2 ⁺	1.12	0.76	1506.78	3.54	9.32	100.00	0.00	0.00	5.99	1.7913	11.38	21.32	-1.25	
120	192			1.12	0.76	1512.68	5.90	9.44	100.00	0.00	0.00	3.84	5.0537	11.84	21.84	-2.19	
121	193		1/2 ⁻	1.15	0.72	1516.66	3.98	9.89	100.00	0.00	0.00	5.83	2.4054	11.95	22.40	-2.91	
122	194			1.18	0.67	1522.29	5.62	9.61	100.00	0.00	0.00	4.67	4.0960	12.56	23.06	-3.16	
123	195		3/2 ⁻	1.21	0.69	1526.33	4.04	9.67	99.99	0.01	0.00	6.33	2.3790	12.51	23.48	-3.78	
124	196			1.22	0.74	1531.74	5.41	9.46	99.87	0.13	0.00	5.39	3.1489	12.97	23.95	-4.22	
125	197		1/2 ⁻	1.24	0.73	1535.73	3.99	9.40	99.95	0.05	0.00	6.86	4.1963	12.98	24.33	-4.59	
126	198			1.25	0.88	1540.74	5.01	9.00	98.84	1.16	0.00	6.23	3.1598	13.44	24.77	-4.65	
127	199		9/2 ⁺	1.24	0.78	1542.57	1.83	6.84	4.07	95.93	0.00	9.42	0.8075	13.46	25.33	-2.87	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 72 (Hf)																	
128	200			1.24	0.73	1546.01	3.44	5.27	1.32	98.68	0.00	8.24	1.3177	13.89	25.78	-1.74	
129	201		3/2 ⁺	1.22	0.75	1547.23	1.22	4.66	4.41	6.68	88.90	10.51	0.5591	14.11	26.48	-1.68	
130	202			1.21	0.76	1550.11	2.88	4.10	0.00	16.35	81.19	9.17	0.4740	14.44	26.73	-1.58	
131	203		1/2 ⁺	1.13	0.73	1551.38	1.27	4.15	0.13	64.11	34.81	10.90	0.0465	14.13	26.82	-2.34	
132	204			1.11	0.74	1554.52	3.13	4.41	0.06	67.28	30.29	9.50	0.0885	14.51	27.19	-2.85	
133	205		5/2	1.12	0.73	1555.96	1.45	4.58	0.14	50.69	48.12	11.13	0.0365	14.39	27.42	-3.10	
134	206			1.07	0.75	1559.19	3.23	4.68	0.04	91.27	6.93	9.78	0.0478	14.95	28.02	-3.57	
135	207		3/2 ⁻	1.05	0.73	1560.55	1.36	4.59	1.69	32.47	64.38	11.60	0.0310	14.68	28.13	-3.71	
136	208			1.04	0.73	1563.70	3.15	4.51	0.46	93.29	5.27	10.15	0.0284	15.04	28.45	-4.24	
137	209		3/2 ⁺	1.04	0.72	1565.32	1.62	4.77	17.53	32.35	48.88	11.68	0.0220	15.06	28.78	-4.60	
138	210			1.03	0.73	1568.36	3.04	4.65	0.48	93.76	4.50	10.59	0.0220	15.36	29.15	-4.80	
139	211		5/2 ⁺	1.02	0.73	1569.87	1.51	4.55	3.24	40.86	54.39	12.07	0.0176	15.38	29.56	-5.04	
140	212			1.01	0.73	1572.84	2.97	4.49	2.30	91.97	4.23	11.05	0.0150	15.78	29.98	-5.34	
141	213		5/2 ⁻	1.01	0.72	1574.21	1.36	4.34	0.70	28.90	67.59	12.66	0.0138	15.79	30.37	-5.60	
142	214			1.01	0.70	1576.95	2.74	4.11	0.99	66.60	30.07	11.65	0.0101	16.14	30.77	-5.79	
143	215		1/2 ⁺	1.00	0.72	1578.20	1.25	4.00	8.66	7.68	78.70	13.17	0.0100	16.15	31.14	-6.07	
144	216			0.99	0.71	1580.84	2.63	3.88	0.03	40.37	54.65	12.12	0.0088	16.56	31.58	-6.36	
145	217		5/2 ⁺	0.99	0.71	1581.98	1.14	3.78	1.27	13.08	80.23	13.63	0.0078	16.52	31.89	-6.62	
146	218			0.98	0.70	1584.41	2.43	3.57	0.04	27.05	66.83	12.60	0.0071	16.91	32.01	-6.86	
147	219		7/2 ⁻	0.98	0.69	1585.33	0.92	3.35	0.02	3.29	68.63	14.14	0.0070	16.91	32.39	-6.95	
148	220			0.97	0.67	1587.61	2.27	3.20	0.06	19.04	58.88	13.21	0.0055	16.99	32.83	-6.91	
149	221		7/2 ⁺	0.97	0.69	1588.59	0.99	3.26	0.10	8.00	39.98	14.51	0.0050	17.26	33.44	-7.36	
150	222			0.97	0.68	1590.67	2.08	3.06	0.11	6.60	23.90	13.60	0.0047	17.68	33.91	-7.59	
151	223		9/2 ⁻	0.96	0.68	1591.27	0.60	2.68	0.10	0.01	16.72	15.09	0.0046	17.63	34.24	-7.82	
152	224			0.96	0.66	1593.18	1.91	2.51	0.22	6.96	11.36	14.12	0.0040	18.08	34.73	-8.12	
153	225		1/2 ⁺	0.96	0.68	1593.26	0.08	1.99	1.13	2.48	9.82	16.22	0.0029	17.98	35.01	-7.93	
154	226			0.95	0.67	1594.79	1.54	1.61	0.41	1.18	4.55	14.89	0.0032	18.42	35.51	-8.05	
155	227		7/2 ⁺	0.95	0.68	1594.54	-0.25	1.29	0.82	0.08	2.21	16.76	0.0026	18.16	35.61	-8.00	
156	228			0.94	0.68	1595.96	1.41	1.17	0.55	0.16	0.03	15.61	0.0026	18.63	36.09	-8.38	
157	229		3/2 ⁺	0.94	0.67	1595.99	0.03	1.45	0.57	0.27	2.55	17.04	0.0024	18.70	36.54	-8.77	
158	230			0.95	0.63	1597.52	1.53	1.56	0.61	0.14	0.24	15.95	0.0024	19.33	37.25	-9.36	
159	231		11/2 ⁻	0.95	0.62	1597.56	0.04	1.57	0.02	0.55	0.13	17.32	0.0023	19.40	37.69	-9.81	
160	232			0.95	0.60	1598.83	1.27	1.30	0.55	0.15	0.51	16.63	0.0018	19.79	38.16	-10.26	
161	233		9/2 ⁺	0.96	0.62	1598.71	-0.12	1.15	0.13	0.26	0.73	18.08	0.0016	19.84	38.61	-10.55	
162	234			0.96	0.62	1599.77	1.06	0.94	0.00	0.58	0.42	17.25	0.0014	20.25	39.07	-10.81	
163	235		13/2 ⁻	0.95	0.64	1599.00	-0.77	0.29	0.00	0.00	0.63	19.15	0.0014	20.33	39.48	-10.61	
164	236			0.95	0.61	1599.41	0.41	-0.36	0.00	...	...	18.35	0.0012	20.60	39.94	-10.41	
165	237		3/2 ⁺	0.96	0.60	1598.57	-0.84	-0.43	...	...	...	19.78	0.0011	20.79		-10.76	
166	238			0.96	0.60	1598.88	0.31	-0.52	0.00	0.00	0.00	18.91	0.0011	21.16		-11.12	
167	239		5/2 ⁺	0.96	0.62	1597.91	-0.97	-0.66	0.00	0.00	...	20.25	0.0011				
168	240			0.97	0.63	1596.38	-1.53	-2.50	0.00	0.00	0.00	20.56	0.0007				
Z = 73 (Ta)																	
78	151	3/2 ⁻		1.06	1.07	1165.99						13.53	0.0643	-2.36	-2.24	4.05	10 ^{8.16}
79	152	3/2 ⁻	1/2 ⁻	1.06	1.08	1178.52	12.52					15.12	0.0552	-1.78	-1.56	3.88	10 ^{9.72}
80	153	3/2 ⁻		1.07	1.09	1192.72	14.21	26.73				12.35	0.0921	-1.69	-0.85	3.80	10 ^{9.95}
81	154	3/2 ⁻	1/2 ⁺	1.11	1.10	1204.66	11.93	26.14				14.48	0.0666	-1.20	-0.17	3.72	10 ^{10.94}
82	155	9/2 ⁻		1.19	1.24	1218.82	14.16	26.10				9.66	0.3314	-1.09	0.61	3.05	10 ^{16.70}
83	156	3/2 ⁻	7/2 ⁻	1.14	1.10	1228.66	9.84	24.00				11.35	0.3495	-0.60	1.06	4.47	10 ^{5.81}
84	157	9/2 ⁻		1.15	1.03	1240.31	11.66	21.49				8.60	0.5664	-0.48	1.76	6.20	10 ^{-2.59}
85	158	9/2 ⁻	3/2 ⁻	1.07	1.00	1249.61	9.30	20.95				10.35	0.6103	-0.09	2.23	6.28	10 ^{-2.57}
86	159	1/2 ⁺		1.05	1.00	1260.86	11.24	20.54				8.22	1.4832	0.11	2.61	6.00	10 ^{-1.85}
87	160	1/2 ⁺	3/2 ⁻	1.02	1.00	1270.39	9.54	20.78				9.65	1.3710	0.54	3.18	5.28	10 ^{1.53}
88	161	1/2 ⁺		1.00	1.00	1281.35	10.96	20.50				7.35	3.7635	0.52	3.63	5.19	10 ^{1.59}
89	162	5/2 ⁺	3/2 ⁻	0.98	1.01	1290.54	9.19	20.15				8.89	3.1376	1.05	4.15	4.97	10 ^{3.01}
90	163	5/2 ⁺		0.97	1.02	1301.27	10.73	19.92				6.57	8.2201	1.05	4.61	4.75	10 ^{3.86}
91	164	5/2 ⁺	5/2 ⁻	0.96	1.02	1310.14	8.88	19.60				8.08	4.7215	1.52	5.09	4.55	10 ^{5.35}
92	165	5/2 ⁺		0.95	1.03	1320.54	10.40	19.27				5.85	19.9558	1.53	5.55	4.42	10 ^{5.77}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 73 (Ta)																	
93	166	5/2 ⁺	5/2 ⁻	0.95	1.03	1329.15	8.61	19.01				7.41	8.0630	1.98	5.96	4.20	10 ^{7.48}
94	167	9/2 ⁻		0.94	1.03	1339.32	10.17	18.78				5.22	11.5649	1.98	6.32	3.96	10 ^{8.75}
95	168	9/2 ⁻	3/2 ⁺	0.94	1.02	1347.68	8.36	18.53				6.74	16.1563	2.35	6.73	3.81	10 ^{10.23}
96	169	9/2 ⁻		0.95	1.01	1357.62	9.94	18.30				4.44	24.0513	2.41	7.34	3.68	10 ^{10.90}
97	170	9/2 ⁻	5/2 ⁺	0.97	0.98	1365.71	8.09	18.03				5.89	34.7364	2.87	7.81	3.53	10 ^{12.45}
98	171	9/2 ⁻		0.96	0.97	1375.29	9.57	17.66				3.66	46.7167	2.90	8.28	3.29	10 ^{14.28}
99	172	7/2 ⁺	1/2 ⁻	0.98	0.94	1383.06	7.77	17.34				5.00	> 100	3.33	8.74	3.15	10 ^{16.03}
100	173	7/2 ⁺		0.97	0.93	1392.21	9.15	16.92				2.85	> 100	3.37	9.26	3.09	10 ^{16.22}
101	174	7/2 ⁺	7/2 ⁺	0.97	0.91	1399.62	7.41	16.57				4.15	> 100	3.78	9.67	2.99	10 ^{17.68}
102	175	7/2 ⁺		0.95	0.92	1408.42	8.80	16.21				2.05	> 100	3.86	10.30	2.83	10 ^{19.21}
103	176	7/2 ⁺	5/2 ⁻	0.95	0.89	1415.59	7.17	15.97				3.12	> 100	4.34	10.82	2.66	> 10 ²⁰
104	177	7/2 ⁺		0.95	0.89	1423.91	8.32	15.49				1.15	> 100	4.42	11.44	2.50	> 10 ²⁰
105	178	7/2 ⁺	7/2 ⁻	0.96	0.86	1430.73	6.81	15.13				2.32	> 100	4.88	11.99	2.34	> 10 ²⁰
106	179	7/2 ⁺		0.94	0.87	1438.87	8.14	14.95				0.19	> 100	5.04	12.64	1.90	> 10 ²⁰
107	180	7/2 ⁺	9/2 ⁺	0.94	0.86	1445.32	6.45	14.60	100.00	0.00	0.00	±	±	5.48	13.15	1.71	> 10 ²⁰
108	181	7/2 ⁺		0.94	0.84	1452.90	7.58	14.03				...	β-stable	5.59	13.73	1.63	> 10 ²⁰
109	182	7/2 ⁺	1/2 ⁻	0.93	0.83	1458.88	5.98	13.56	100.00	0.00	0.00	±	±	6.12	14.34	1.58	> 10 ²⁰
110	183	7/2 ⁺		0.94	0.81	1465.95	7.07	13.05	100.00	0.00	0.00	0.82	> 100	6.13	14.90	1.51	> 10 ²⁰
111	184	7/2 ⁺	3/2 ⁻	0.93	0.80	1471.66	5.71	12.78	100.00	0.00	0.00	2.75	> 100	6.70	15.54	1.18	> 10 ²⁰
112	185	7/2 ⁺		0.95	0.79	1478.43	6.76	12.47	100.00	0.00	0.00	1.70	> 100	6.80	16.23	0.93	> 10 ²⁰
113	186	7/2 ⁺	11/2 ⁺	0.95	0.78	1483.80	5.38	12.14	100.00	0.00	0.00	3.69	> 100	7.43	16.70	0.61	> 10 ²⁰
114	187	7/2 ⁺		0.94	0.77	1490.38	6.58	11.96	100.00	0.00	0.00	2.58	> 100	7.52	17.53	0.11	> 10 ²⁰
115	188	7/2 ⁺	7/2 ⁻	0.94	0.76	1495.34	4.96	11.54	100.00	0.00	0.00	4.56	> 100	7.90	17.98	0.06	> 10 ²⁰
116	189	7/2 ⁺		0.95	0.75	1501.41	6.07	11.03	100.00	0.00	0.00	3.64	> 100	8.03	18.64	-0.26	
117	190	9/2 ⁻	9/2 ⁻	0.98	0.76	1505.97	4.56	10.64	100.00	0.00	0.00	5.58	1.5079	8.52	19.12	-0.32	
118	191	9/2 ⁻		0.99	0.78	1511.99	6.01	10.58	100.00	0.00	0.00	4.70	1.6420	8.75	20.14	-0.92	
119	192	3/2 ⁻	1/2 ⁺	1.09	0.76	1515.74	3.75	9.76	99.99	0.01	0.00	7.33	0.5827	8.96	20.34	-0.58	
120	193	3/2 ⁻		1.10	0.77	1521.71	5.97	9.72	99.29	0.71	0.00	5.12	1.4478	9.03	20.87	-1.56	
121	194	3/2 ⁻	1/2 ⁻	1.12	0.72	1526.18	4.46	10.44	99.98	0.02	0.00	7.11	1.0614	9.51	21.46	-2.49	
122	195	3/2 ⁻		1.15	0.68	1531.88	5.70	10.17	98.88	1.12	0.00	5.97	1.0367	9.59	22.15	-2.74	
123	196	3/2 ⁻	3/2 ⁻	1.18	0.72	1536.35	4.47	10.17	99.12	0.88	0.00	7.75	0.6325	10.02	22.53	-3.34	
124	197	3/2 ⁻		1.19	0.77	1541.81	5.46	9.93	96.94	3.06	0.00	6.82	0.6193	10.06	23.03	-3.78	
125	198	3/2 ⁻	1/2 ⁻	1.22	0.74	1546.19	4.38	9.84	98.34	1.66	0.00	8.44	0.5350	10.45	23.44	-4.07	
126	199	9/2 ⁻		1.22	0.88	1551.21	5.02	9.40	96.91	3.09	0.00	7.89	0.7013	10.47	23.91	-4.13	
127	200	3/2 ⁻	9/2 ⁺	1.21	0.78	1553.47	2.26	7.28	1.41	98.38	0.21	11.04	0.1903	10.90	24.36	-2.42	
128	201	9/2 ⁻		1.22	0.74	1556.96	3.49	5.75	0.00	98.17	1.83	9.81	0.2769	10.95	24.84	-1.36	
129	202	9/2 ⁻	3/2 ⁺	1.19	0.75	1558.49	1.53	5.02	0.05	1.72	98.23	12.26	0.1299	11.26	25.37	-1.09	
130	203	9/2 ⁻		1.17	0.78	1561.50	3.00	4.54	0.00	80.25	17.14	10.94	0.1302	11.39	25.83	-1.08	
131	204	9/2 ⁻	1/2 ⁺	1.12	0.76	1563.23	1.74	4.74	0.07	0.00	98.26	12.60	0.0376	11.85	25.98	-1.82	
132	205	9/2 ⁻		1.09	0.75	1566.31	3.08	4.81	0.00	11.08	70.72	10.99	0.0692	11.79	26.30	-2.35	
133	206	9/2 ⁻	3/2 ⁺	1.08	0.77	1568.19	1.88	4.96	0.03	0.02	94.56	12.56	0.0355	12.23	26.61	-2.64	
134	207	1/2 ⁺		1.06	0.77	1571.37	3.18	5.06	0.90	2.67	81.99	11.05	0.0812	12.18	27.13	-3.07	
135	208	1/2 ⁺	3/2 ⁺	1.04	0.75	1573.07	1.70	4.88	0.42	24.84	72.52	12.95	0.0301	12.52	27.20	-3.20	
136	209	1/2 ⁺		1.03	0.75	1576.22	3.15	4.85	0.58	40.68	55.59	11.62	0.0374	12.52	27.55	-3.68	
137	210	1/2 ⁺	3/2 ⁺	1.03	0.73	1578.16	1.94	5.09	0.51	19.57	77.64	12.99	0.0296	12.84	27.90	-3.99	
138	211	1/2 ⁺		1.02	0.74	1581.17	3.00	4.94	0.71	23.05	72.36	11.86	0.0314	12.81	28.17	-4.20	
139	212	1/2 ⁺	5/2 ⁺	1.01	0.74	1583.11	1.95	4.95	0.34	14.96	82.28	13.33	0.0236	13.24	28.61	-4.56	
140	213	5/2 ⁺		1.00	0.74	1586.08	2.97	4.92	0.21	25.14	71.11	12.19	0.0227	13.24	29.03	-4.79	
141	214	5/2 ⁺	5/2 ⁻	1.00	0.73	1587.82	1.74	4.71	0.67	0.05	94.99	13.80	0.0217	13.61	29.41	-5.03	
142	215	5/2 ⁺		1.00	0.73	1590.59	2.77	4.51	0.19	17.37	67.17	12.76	0.0150	13.64	29.77	-5.24	
143	216	5/2 ⁺	1/2 ⁺	0.99	0.73	1592.17	1.58	4.35	0.53	9.03	75.95	14.33	0.0138	13.97	30.12	-5.46	
144	217	5/2 ⁺		0.98	0.72	1594.82	2.65	4.23	0.07	10.54	51.98	13.26	0.0116	13.99	30.54	-5.71	
145	218	5/2 ⁺	5/2 ⁺	0.97	0.72	1596.23	1.40	4.06	0.07	5.50	50.93	14.89	0.0100	14.25	30.77	-5.88	
146	219	5/2 ⁺		0.97	0.71	1598.69	2.45	3.86	0.04	4.94	32.55	13.91	0.0084	14.28	31.18	-6.11	
147	220	9/2 ⁻	7/2 ⁻	0.97	0.69	1600.03	1.35	3.81	0.01	0.07	35.57	15.35	0.0076	14.70	31.61	-6.28	
148	221	9/2 ⁻		0.96	0.69	1602.32	2.29	3.64	0.01	6.33	23.90	14.42	0.0057	14.72	31.70	-6.53	
149	222	9/2 ⁻	7/2 ⁺	0.96	0.69	1603.49	1.16	3.45	0.03	0.00	26.41	15.88	0.0051	14.90	32.16	-6.77	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 73 (Ta)																	
150	223	9/2 ⁻		0.95	0.68	1605.57	2.09	3.25	0.03	0.59	8.13	14.98	0.0045	14.91	32.59	-6.66	
151	224	9/2 ⁻	9/2 ⁻	0.94	0.70	1606.52	0.94	3.03	0.04	0.00	8.56	16.49	0.0045	15.25	32.88	-6.89	
152	225	9/2 ⁻		0.95	0.67	1608.69	2.18	3.12	0.06	0.11	7.40	15.25	0.0044	15.51	33.59	-7.41	
153	226	9/2 ⁻	7/2 ⁺	0.94	0.70	1608.90	0.21	2.39	0.19	0.20	4.44	17.27	0.0033	15.65	33.63	-6.97	
154	227	9/2 ⁻		0.94	0.69	1610.52	1.62	1.83	0.01	0.20	0.05	16.18	0.0032	15.73	34.15	-7.12	
155	228	9/2 ⁻	1/2 ⁺	0.94	0.69	1610.79	0.27	1.89	0.01	0.25	2.42	17.79	0.0029	16.24	34.41	-7.22	
156	229	9/2 ⁻		0.93	0.69	1612.25	1.46	1.73	0.02	0.15	0.11	16.80	0.0026	16.29	34.92	-7.58	
157	230	9/2 ⁻	3/2 ⁺	0.93	0.68	1612.69	0.44	1.90	0.02	0.16	1.69	18.21	0.0025	16.69	35.40	-8.01	
158	231	9/2 ⁻		0.93	0.66	1614.10	1.41	1.85	0.03	0.10	0.20	17.26	0.0023	16.58	35.91	-8.47	
159	232	9/2 ⁻	11/2 ⁻	0.93	0.64	1614.67	0.57	1.98	0.04	0.01	0.29	18.48	0.0024	17.11	36.51	-9.09	
160	233	9/2 ⁻		0.94	0.61	1616.00	1.33	1.91	0.03	0.17	0.11	17.60	0.0020	17.18	36.97	-9.52	
161	234	9/2 ⁻	9/2 ⁺	0.94	0.62	1616.24	0.23	1.57	0.03	0.06	0.25	19.06	0.0018	17.53	37.37	-9.78	
162	235	7/2 ⁺		0.94	0.62	1617.36	1.12	1.36	0.51	1.04	0.60	18.21	0.0016	17.59	37.84	-10.03	
163	236	7/2 ⁺	13/2 ⁻	0.94	0.64	1616.97	-0.39	0.74	0.00	0.00	1.59	20.11	0.0015	17.97	38.31	-9.81	
164	237	7/2 ⁺		0.94	0.62	1617.56	0.59	0.20	0.00	...	...	19.29	0.0013	18.16	38.76	-9.75	
165	238	7/2 ⁺	3/2 ⁺	0.94	0.61	1617.01	-0.55	0.04	...	...	...	20.70	0.0012	18.44	39.24	-10.05	
166	239	7/2 ⁺		0.94	0.60	1617.38	0.36	-0.19	0.00	...	...	19.73	0.0013	18.50	39.65	-10.27	
167	240	9/2 ⁻	5/2 ⁺	0.94	0.63	1616.16	-1.22	-0.85	0.00	0.00	...	21.47	0.0010	18.25		-10.09	
168	241	9/2 ⁻		0.94	0.63	1615.54	-0.62	-1.84	0.00	0.00	0.00	21.37	0.0007	19.16		-9.51	
169	242	9/2 ⁻	5/2 ⁺	0.95	0.63	1614.67	-0.87	-1.49	0.00	0.00	0.00	21.97	0.0009				
170	243	9/2 ⁻		0.95	0.61	1615.03	0.36	-0.51	0.00	0.00	0.00	21.06	0.0009				
Z = 74 (W)																	
80	154			1.04	1.08	1192.75						11.13	0.0822	0.02	-1.67	3.90	10 ^{9.07}
81	155		1/2 ⁺	1.07	1.12	1204.86	12.12					13.18	0.0416	0.21	-0.99	3.73	10 ^{11.43}
82	156			1.11	1.26	1219.41	14.55	26.66				8.47	0.1286	0.59	-0.50	3.30	10 ^{14.11}
83	157		7/2 ⁻	1.10	1.11	1229.48	10.06	24.61				10.06	0.2090	0.82	0.21	4.67	10 ^{5.14}
84	158			1.11	1.04	1241.67	12.19	22.26				7.16	0.3287	1.35	0.87	6.55	10 ^{-4.14}
85	159		3/2 ⁻	1.02	1.01	1250.87	9.20	21.40				9.20	0.3735	1.26	1.17	6.69	10 ^{-3.55}
86	160			1.02	1.02	1262.57	11.69	20.90				7.05	0.4927	1.71	1.82	6.53	10 ^{-4.07}
87	161		3/2 ⁻	0.98	1.01	1272.03	9.47	21.16				8.54	0.5956	1.64	2.18	5.96	10 ^{-0.94}
88	162			0.96	1.01	1283.52	11.48	20.95				6.24	1.3663	2.17	2.69	5.53	10 ^{-0.19}
89	163		3/2 ⁻	0.93	1.01	1292.74	9.22	20.70				7.75	1.8577	2.20	3.25	5.41	10 ^{1.38}
90	164			0.94	1.02	1303.93	11.19	20.41				5.44	3.2861	2.66	3.71	5.20	10 ^{1.30}
91	165		5/2 ⁻	0.94	1.02	1312.84	8.91	20.10				6.92	2.1972	2.69	4.21	4.95	10 ^{3.66}
92	166			0.94	1.03	1323.69	10.86	19.77				4.68	7.6816	3.15	4.69	4.81	10 ^{3.29}
93	167		1/2 ⁺	0.93	1.03	1332.33	8.64	19.50				6.21	14.3608	3.18	5.16	4.59	10 ^{5.62}
94	168			0.93	1.03	1342.93	10.60	19.24				3.97	19.1796	3.61	5.59	4.37	10 ^{5.86}
95	169		3/2 ⁺	0.94	1.02	1351.28	8.35	18.95				5.56	29.5178	3.60	5.95	4.19	10 ^{8.10}
96	170			0.94	1.02	1361.64	10.35	18.70				3.30	44.0832	4.01	6.43	4.00	10 ^{8.34}
97	171		5/2 ⁺	0.97	0.98	1369.71	8.07	18.43				4.80	71.0318	3.99	6.86	3.92	10 ^{10.01}
98	172			0.97	0.97	1379.70	9.99	18.06				2.58	> 100	4.41	7.31	3.81	10 ^{9.78}
99	173		1/2 ⁻	0.98	0.95	1387.48	7.78	17.77				3.95	> 100	4.42	7.75	3.66	10 ^{11.98}
100	174			0.97	0.94	1397.08	9.60	17.38				1.76	> 100	4.87	8.24	3.60	10 ^{11.41}
101	175		7/2 ⁺	0.99	0.90	1404.50	7.42	17.02				3.14	> 100	4.88	8.66	3.53	10 ^{13.15}
102	176			0.95	0.91	1413.81	9.31	16.73				1.00	> 100	5.39	9.25	3.32	10 ^{13.91}
103	177		5/2 ⁻	0.96	0.88	1420.96	7.15	16.46				2.17	> 100	5.37	9.71	3.18	10 ^{16.41}
104	178			0.94	0.89	1429.86	8.90	16.05				0.08	> 100	5.95	10.36	2.99	10 ^{17.26}
105	179		7/2 ⁻	0.95	0.87	1436.71	6.85	15.75				1.38	> 100	5.98	10.86	2.84	> 10 ²⁰
106	180			0.94	0.88	1445.37	8.66	15.51				...	β -stable	6.50	11.54	2.42	> 10 ²⁰
107	181		9/2 ⁺	0.93	0.87	1451.88	6.51	15.17				0.24	> 100	6.56	12.03	2.26	> 10 ²⁰
108	182			0.93	0.85	1459.94	8.06	14.57				...	β -stable	7.03	12.63	2.19	> 10 ²⁰
109	183		1/2 ⁻	0.92	0.83	1465.99	6.06	14.12				...	β -stable	7.11	13.24	2.15	> 10 ²⁰
110	184			0.91	0.82	1473.62	7.63	13.69				...	β -stable	7.67	13.80	1.98	> 10 ²⁰
111	185		3/2 ⁻	0.92	0.80	1479.34	5.72	13.35	100.00	0.00	0.00	0.29	> 100	7.68	14.38	1.71	> 10 ²⁰
112	186			0.91	0.78	1486.71	7.36	13.08				...	β -stable	8.28	15.08	1.41	> 10 ²⁰
113	187		11/2 ⁺	0.92	0.78	1492.18	5.47	12.84	100.00	0.00	0.00	0.98	> 100	8.38	15.81	1.08	> 10 ²⁰
114	188			0.92	0.77	1499.12	6.94	12.41	100.00	0.00	0.00	0.01	> 100	8.74	16.26	0.80	> 10 ²⁰

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 74$ (W)																	
115	189		7/2 ⁻	0.92	0.76	1504.27	5.15	12.09	100.00	0.00	0.00	1.84	> 100	8.93	16.83	0.40	> 10 ²⁰
116	190			0.94	0.75	1510.77	6.50	11.65	100.00	0.00	0.00	1.02	> 100	9.36	17.39	0.39	> 10 ²⁰
117	191		9/2 ⁻	0.95	0.76	1515.91	5.13	11.63	100.00	0.00	0.00	2.79	10.3337	9.93	18.45	-0.17	
118	192			0.96	0.78	1522.28	6.38	11.51	100.00	0.00	0.00	2.02	42.6535	10.29	19.04	-0.60	
119	193		1/2 ⁺	1.07	0.78	1526.05	3.77	10.15	100.00	0.00	0.00	4.73	18.7268	10.31	19.28	-0.30	
120	194			1.07	0.78	1532.50	6.45	10.22	100.00	0.00	0.00	3.06	24.4302	10.79	19.82	-0.96	
121	195		1/2 ⁻	1.09	0.73	1537.07	4.57	11.01	100.00	0.00	0.00	4.37	15.6695	10.89	20.40	-1.99	
122	196			1.13	0.70	1543.31	6.25	10.82	100.00	0.00	0.00	3.12	87.5151	11.44	21.03	-2.34	
123	197		3/2 ⁻	1.14	0.74	1547.84	4.53	10.78	100.00	0.00	0.00	4.98	25.4272	11.49	21.51	-2.88	
124	198			1.15	0.77	1553.84	6.00	10.53	100.00	0.00	0.00	3.92	65.4215	12.04	22.10	-3.26	
125	199		1/2 ⁻	1.19	0.74	1558.32	4.47	10.48	100.00	0.00	0.00	5.49	> 100	12.13	22.59	-3.69	
126	200			1.19	0.88	1563.72	5.41	9.88	100.00	0.00	0.00	4.79	> 100	12.52	22.98	-3.68	
127	201		9/2 ⁺	1.18	0.79	1565.99	2.26	7.67	16.51	83.49	0.00	7.99	10.3268	12.52	23.41	-1.96	
128	202			1.18	0.74	1569.97	3.98	6.24	10.46	89.54	0.00	6.75	35.5632	13.01	23.96	-0.93	
129	203		3/2 ⁺	1.17	0.77	1571.65	1.68	5.67	20.17	12.67	67.16	8.94	8.7979	13.16	24.42	-0.78	
130	204			1.16	0.80	1575.05	3.39	5.08	1.73	92.34	5.93	7.57	5.1362	13.55	24.94	-0.74	
131	205		1/2 ⁺	1.11	0.78	1576.52	1.47	4.87	0.16	90.31	9.53	9.66	0.0946	13.29	25.14	-1.00	
132	206			1.09	0.79	1579.97	3.45	4.92	0.09	96.81	3.10	8.27	0.3212	13.66	25.45	-1.57	
133	207		5/2	1.07	0.75	1581.64	1.67	5.12	38.73	46.37	14.89	10.06	0.0596	13.45	25.67	-1.96	
134	208			1.05	0.78	1585.24	3.61	5.27	0.05	97.96	1.97	8.56	0.1205	13.87	26.05	-2.43	
135	209		3/2	1.05	0.74	1587.06	1.82	5.42	30.81	53.75	15.42	10.25	0.0523	13.98	26.51	-2.80	
136	210			1.01	0.77	1590.37	3.32	5.13	0.02	98.17	1.75	9.11	0.0535	14.15	26.67	-2.88	
137	211		3/2 ⁺	1.02	0.73	1592.24	1.87	5.18	20.90	53.81	25.23	10.53	0.0360	14.08	26.92	-3.39	
138	212			1.01	0.74	1595.66	3.41	5.28	2.65	95.31	1.94	9.33	0.0415	14.49	27.30	-3.65	
139	213		5/2 ⁺	1.02	0.73	1597.50	1.84	5.25	17.15	56.85	25.81	10.86	0.0311	14.38	27.62	-3.88	
140	214			1.00	0.73	1600.83	3.34	5.18	4.33	93.23	2.31	9.72	0.0301	14.75	27.99	-4.18	
141	215		5/2 ⁻	1.01	0.72	1602.57	1.73	5.07	3.35	53.14	43.08	11.32	0.0262	14.75	28.36	-4.40	
142	216			1.00	0.71	1605.72	3.15	4.88	10.10	86.74	2.67	10.29	0.0184	15.13	28.76	-4.58	
143	217		1/2 ⁺	0.99	0.73	1607.31	1.59	4.74	11.00	36.23	52.00	11.85	0.0175	15.14	29.10	-4.80	
144	218			0.98	0.73	1610.33	3.03	4.62	3.06	84.17	11.72	10.77	0.0144	15.51	29.50	-5.09	
145	219		5/2 ⁺	0.98	0.71	1611.82	1.48	4.51	6.37	28.40	64.19	12.33	0.0131	15.59	29.84	-5.32	
146	220			0.96	0.71	1614.60	2.78	4.26	3.38	86.01	8.83	11.37	0.0108	15.91	30.19	-5.47	
147	221		7/2 ⁻	0.97	0.69	1615.96	1.36	4.15	0.10	17.71	79.77	12.87	0.0108	15.93	30.63	-5.69	
148	222			0.95	0.69	1618.59	2.62	3.99	0.35	50.18	47.14	11.90	0.0080	16.26	30.98	-5.88	
149	223		7/2 ⁺	0.95	0.69	1619.77	1.18	3.81	1.25	20.72	74.50	13.40	0.0069	16.28	31.17	-6.14	
150	224			0.94	0.68	1622.22	2.45	3.63	0.10	27.97	63.85	12.50	0.0061	16.65	31.55	-6.32	
151	225		9/2 ⁻	0.94	0.70	1623.16	0.94	3.39	0.09	4.54	87.10	13.99	0.0062	16.65	31.89	-6.27	
152	226			0.94	0.68	1625.39	2.23	3.17	0.13	16.74	72.89	13.12	0.0049	16.70	32.21	-6.43	
153	227		7/2 ⁺	0.94	0.70	1625.93	0.53	2.76	0.74	1.97	27.02	14.84	0.0042	17.02	32.67	-6.36	
154	228			0.93	0.71	1627.79	1.87	2.40	0.14	5.07	16.14	13.83	0.0039	17.27	33.00	-6.32	
155	229		1/2 ⁺	0.93	0.70	1628.26	0.47	2.34	0.67	2.34	6.03	15.36	0.0037	17.48	33.72	-6.71	
156	230			0.93	0.69	1630.12	1.85	2.32	0.19	2.41	4.37	14.35	0.0033	17.87	34.16	-7.03	
157	231		3/2 ⁺	0.93	0.68	1630.57	0.45	2.31	0.74	2.38	3.44	15.76	0.0032	17.88	34.58	-7.73	
158	232			0.93	0.66	1632.36	1.79	2.25	0.20	2.80	1.71	14.69	0.0029	18.27	34.84	-8.11	
159	233		9/2 ⁺	0.93	0.65	1632.82	0.46	2.25	0.16	0.08	7.35	16.06	0.0026	18.16	35.27	-8.54	
160	234			0.93	0.62	1634.51	1.69	2.15	0.21	3.27	1.76	15.15	0.0025	18.51	35.69	-8.69	
161	235		11/2 ⁻	0.93	0.62	1634.79	0.28	1.97	0.00	0.19	4.62	16.67	0.0023	18.56	36.08	-8.94	
162	236			0.93	0.62	1636.30	1.51	1.79	0.11	1.15	4.21	15.70	0.0020	18.94	36.53	-9.18	
163	237		13/2 ⁻	0.93	0.64	1636.07	-0.23	1.28	0.06	0.01	1.38	17.53	0.0018	19.10	37.07	-9.07	
164	238			0.93	0.62	1636.93	0.86	0.63	0.00	0.48	0.60	16.77	0.0017	19.36	37.52	-8.86	
165	239		3/2 ⁺	0.93	0.61	1636.32	-0.61	0.25	0.33	0.00	0.73	18.21	0.0015	19.31	37.76	-9.03	
166	240			0.93	0.62	1636.85	0.52	-0.08	0.00	...	...	17.49	0.0015	19.47	37.97	-9.15	
167	241		5/2 ⁺	0.93	0.62	1636.12	-0.73	-0.20	0.00	0.00	...	18.39	0.0017	19.96	38.21	-9.26	
168	242			0.93	0.64	1635.85	-0.27	-1.00	0.00	0.00	0.00	18.04	0.0013	20.32	39.47	-8.67	
169	243		9/2 ⁺	0.93	0.63	1635.30	-0.55	-0.82	...	...	...	19.35	0.0013	20.63		-9.09	
170	244			0.93	0.61	1636.19	0.89	0.34	0.00	0.00	0.00	18.24	0.0014	21.17		-11.52	
171	245		3/2 ⁺	1.02	0.61	1633.09	-3.10	-2.20	0.00	0.00	...	21.36	0.0006				

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 74 (W)																	
172	246			1.02	0.59	1633.88	0.79	-2.31	0.00	0.00	0.00	18.76	0.0010				
173	247		1/2 ⁺	0.98	0.64	1632.45	-1.43	-0.64	0.00	0.00	0.00	20.90	0.0007				
Z = 75 (Re)																	
81	156	1/2 ⁻	1/2 ⁺	1.00	1.12	1202.92						15.71	0.0321	-1.95	-1.74	3.90	10 ^{10.86}
82	157	11/2 ⁻		1.04	1.27	1217.59	14.67					11.10	0.0953	-1.82	-1.23	3.43	10 ^{14.38}
83	158	1/2 ⁻	7/2 ⁻	1.04	1.12	1228.10	10.51	25.18				12.79	0.1244	-1.38	-0.56	4.86	10 ^{4.72}
84	159	11/2 ⁻		1.01	1.04	1240.38	12.29	22.80				9.70	0.2412	-1.28	0.07	6.73	10 ^{-3.56}
85	160	1/2 ⁺	3/2 ⁻	0.97	1.02	1250.22	9.83	22.12				11.56	0.3330	-0.65	0.61	6.74	10 ^{-3.22}
86	161	1/2 ⁺		0.97	1.04	1261.84	11.62	21.46				9.41	0.4101	-0.73	0.99	6.77	10 ^{-3.68}
87	162	9/2 ⁻	3/2 ⁻	0.93	1.01	1271.84	10.00	21.63				10.89	0.3694	-0.19	1.45	6.06	10 ^{-0.80}
88	163	9/2 ⁻		0.91	1.02	1283.28	11.44	21.44				8.67	0.5922	-0.23	1.93	5.87	10 ^{-0.37}
89	164	9/2 ⁻	3/2 ⁻	0.94	1.02	1292.92	9.64	21.08				10.22	0.7533	0.19	2.38	5.77	10 ^{0.38}
90	165	9/2 ⁻		0.92	1.02	1304.13	11.21	20.85				7.92	1.1065	0.21	2.87	5.51	10 ^{1.15}
91	166	9/2 ⁻	5/2 ⁻	0.92	1.03	1313.47	9.34	20.55				9.44	0.6647	0.64	3.33	5.36	10 ^{2.19}
92	167	9/2 ⁻		0.92	1.03	1324.29	10.81	20.15				7.27	1.7561	0.59	3.74	5.28	10 ^{2.23}
93	168	9/2 ⁻	1/2 ⁺	0.91	1.04	1333.42	9.14	19.95				8.73	3.0331	1.09	4.27	5.02	10 ^{3.88}
94	169	5/2 ⁺		0.90	1.05	1344.01	10.59	19.73				6.49	9.0177	1.08	4.69	4.83	10 ^{4.55}
95	170	5/2 ⁺	3/2 ⁺	0.90	1.05	1352.81	8.80	19.39				8.04	15.5423	1.53	5.13	4.64	10 ^{5.96}
96	171	5/2 ⁺		0.91	1.04	1363.18	10.36	19.17				5.75	20.2333	1.54	5.55	4.44	10 ^{6.78}
97	172	5/2 ⁺	5/2 ⁺	0.92	1.03	1371.72	8.55	18.91				7.19	36.4068	2.01	6.01	4.26	10 ^{8.31}
98	173	5/2 ⁺		0.91	1.03	1381.69	9.97	18.51				5.01	43.3141	1.99	6.40	4.23	10 ^{8.14}
99	174	5/2 ⁺	1/2 ⁻	0.95	0.97	1389.98	8.29	18.26				6.32	81.6024	2.50	6.92	4.03	10 ^{9.86}
100	175	5/2 ⁺		0.92	0.99	1399.62	9.64	17.93				4.10	> 100	2.54	7.41	3.96	10 ^{10.02}
101	176	5/2 ⁺	7/2 ⁺	0.93	0.96	1407.57	7.96	17.60				5.45	> 100	3.08	7.95	3.78	10 ^{11.78}
102	177	5/2 ⁺		0.91	0.96	1416.88	9.30	17.26				3.30	> 100	3.07	8.45	3.63	10 ^{12.65}
103	178	5/2 ⁺	5/2 ⁻	0.92	0.93	1424.50	7.63	16.93				4.58	> 100	3.54	8.91	3.42	10 ^{14.85}
104	179	5/2 ⁺		0.90	0.93	1433.51	9.01	16.63				2.42	> 100	3.65	9.59	3.21	10 ^{16.51}
105	180	5/2 ⁺	7/2 ⁻	0.94	0.90	1440.79	7.28	16.29				3.79	> 100	4.08	10.06	3.10	10 ^{18.02}
106	181	5/2 ⁺		0.92	0.90	1449.49	8.69	15.98				1.61	> 100	4.12	10.62	2.72	> 10 ²⁰
107	182	5/2 ⁺	9/2 ⁺	0.92	0.88	1456.49	7.00	15.70				2.66	> 100	4.61	11.17	2.53	> 10 ²⁰
108	183	5/2 ⁺		0.91	0.87	1464.71	8.23	15.23				0.50	> 100	4.78	11.81	2.45	> 10 ²⁰
109	184	5/2 ⁺	1/2 ⁻	0.91	0.85	1471.19	6.48	14.70	100.00	0.00	0.00	±	±	5.20	12.31	2.42	> 10 ²⁰
110	185	5/2 ⁺		0.91	0.84	1478.85	7.66	14.14				...	β-stable	5.23	12.90	2.34	> 10 ²⁰
111	186	5/2 ⁺	3/2 ⁻	0.91	0.82	1485.04	6.19	13.85	100.00	0.00	0.00	±	±	5.70	13.38	2.13	> 10 ²⁰
112	187	5/2 ⁺		0.91	0.81	1492.38	7.33	13.52	100.00	0.00	0.00	0.01	> 100	5.67	13.95	1.87	> 10 ²⁰
113	188	5/2 ⁺	11/2 ⁺	0.92	0.78	1498.35	5.98	13.31	100.00	0.00	0.00	1.74	> 100	6.17	14.55	1.60	> 10 ²⁰
114	189	5/2 ⁺		0.92	0.78	1505.33	6.97	12.95	100.00	0.00	0.00	0.75	> 100	6.20	14.94	1.39	> 10 ²⁰
115	190	5/2 ⁺	7/2 ⁻	0.92	0.76	1511.01	5.68	12.66	100.00	0.00	0.00	2.56	> 100	6.74	15.67	1.09	> 10 ²⁰
116	191	5/2 ⁺		0.94	0.76	1517.91	6.90	12.58	100.00	0.00	0.00	1.57	> 100	7.14	16.50	0.77	> 10 ²⁰
117	192	5/2 ⁺	9/2 ⁻	0.94	0.76	1523.52	5.61	12.51	100.00	0.00	0.00	3.53	64.5360	7.61	17.54	0.12	> 10 ²⁰
118	193	5/2 ⁺		0.94	0.78	1530.00	6.48	12.09	100.00	0.00	0.00	2.72	> 100	7.71	18.01	-0.29	
119	194	5/2 ⁺	13/2 ⁺	0.96	0.75	1534.77	4.78	11.26	100.00	0.00	0.00	5.02	> 100	8.72	19.03	-0.50	
120	195	1/2 ⁻		1.04	0.78	1540.66	5.88	10.66	100.00	0.00	0.00	4.20	3.2855	8.16	18.94	-0.37	
121	196	1/2 ⁻	1/2 ⁻	1.05	0.75	1545.65	4.99	10.88	100.00	0.00	0.00	5.63	3.9686	8.58	19.47	-1.62	
122	197	1/2 ⁻		1.09	0.73	1552.04	6.39	11.39	100.00	0.00	0.00	4.43	4.8677	8.73	20.16	-2.04	
123	198	1/2 ⁻	3/2 ⁻	1.10	0.75	1556.98	4.94	11.33	100.00	0.00	0.00	6.38	2.2815	9.14	20.63	-2.51	
124	199	1/2 ⁻		1.11	0.77	1563.02	6.04	10.98	100.00	0.00	0.00	5.36	2.3766	9.18	21.22	-2.85	
125	200	1/2 ⁻	1/2 ⁻	1.13	0.76	1567.73	4.71	10.75	99.96	0.04	0.00	7.16	1.7751	9.41	21.54	-3.09	
126	201	11/2 ⁻		1.14	0.88	1573.20	5.47	10.17	99.90	0.10	0.00	6.62	1.1904	9.47	21.99	-3.09	
127	202	11/2 ⁻	1/2 ⁺	1.13	0.79	1575.93	2.74	8.20	98.90	1.10	0.00	9.71	0.4721	9.95	22.46	-1.45	
128	203	11/2 ⁻		1.13	0.74	1579.81	3.88	6.61	0.00	100.00	0.00	8.64	0.6049	9.84	22.85	-0.30	
129	204	11/2 ⁻	3/2 ⁺	1.11	0.76	1581.84	2.03	5.91	0.03	96.80	3.17	10.93	0.2952	10.19	23.34	-0.07	
130	205	11/2 ⁻		1.11	0.80	1585.40	3.56	5.59	0.00	94.99	5.01	9.45	0.3693	10.35	23.90	-0.14	
131	206	11/2 ⁻	1/2 ⁺	1.09	0.81	1587.46	2.06	5.62	0.05	69.26	30.67	11.32	0.0718	10.94	24.23	-0.67	
132	207	11/2 ⁻		1.07	0.81	1590.91	3.45	5.52	0.00	90.65	8.98	9.80	0.1898	10.94	24.60	-1.12	
133	208	1/2 ⁺	3/2 ⁺	1.03	0.79	1593.01	2.10	5.56	0.34	67.98	31.51	11.49	0.0719	11.38	24.82	-1.49	
134	209	1/2 ⁺		1.02	0.79	1596.53	3.51	5.61	0.96	86.75	11.86	9.90	0.1531	11.28	25.15	-1.92	

N	A	Ω_p^π	Ω_n^π	Δ_{LNp} (MeV)	Δ_{LNn} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 75$ (Re)																	
135	210	9/2	3/2	1.02	0.75	1598.70	2.17	5.69	1.02	1.49	97.13	11.57	0.0848	11.64	25.63	-2.21	
136	211	9/2 ⁻		1.00	0.79	1601.99	3.29	5.46	0.00	89.27	10.08	10.45	0.0504	11.61	25.77	-2.32	
137	212	9/2 ⁻	3/2 ⁻	1.00	0.75	1604.20	2.21	5.50	0.87	16.06	82.88	11.99	0.0484	11.96	26.04	-2.83	
138	213	9/2 ⁻		0.99	0.77	1607.58	3.38	5.59	0.00	83.63	15.84	10.62	0.0392	11.92	26.41	-3.06	
139	214	9/2 ⁻	5/2 ⁺	0.99	0.76	1609.77	2.19	5.57	0.02	19.79	79.61	12.15	0.0341	12.27	26.66	-3.31	
140	215	9/2 ⁻		0.99	0.75	1613.11	3.34	5.53	0.00	78.69	20.29	10.96	0.0336	12.27	27.02	-3.65	
141	216	9/2 ⁻	5/2 ⁻	0.99	0.74	1615.23	2.12	5.46	0.41	14.08	84.74	12.52	0.0321	12.66	27.41	-3.82	
142	217	9/2 ⁻		1.00	0.72	1618.37	3.14	5.26	0.00	61.21	37.66	11.40	0.0238	12.65	27.78	-3.99	
143	218	9/2 ⁻	1/2 ⁺	0.99	0.73	1620.33	1.95	5.10	6.79	12.49	79.23	12.97	0.0214	13.02	28.16	-4.21	
144	219	9/2 ⁻		0.97	0.73	1623.36	3.04	4.99	0.00	53.16	44.93	11.85	0.0183	13.03	28.54	-4.48	
145	220	9/2 ⁻	1/2 ⁺	0.97	0.72	1625.19	1.83	4.86	4.97	9.29	83.38	13.48	0.0157	13.37	28.96	-4.72	
146	221	5/2 ⁺		0.96	0.71	1628.05	2.86	4.69	0.06	30.78	64.35	12.42	0.0154	13.45	29.37	-4.93	
147	222	5/2 ⁺	7/2 ⁻	0.96	0.71	1629.71	1.66	4.52	0.06	1.89	92.96	13.98	0.0152	13.75	29.67	-5.18	
148	223	5/2 ⁺		0.95	0.70	1632.38	2.67	4.33	0.09	13.49	81.32	13.02	0.0104	13.79	30.06	-5.40	
149	224	5/2 ⁺	7/2 ⁺	0.95	0.69	1633.94	1.56	4.23	0.08	7.76	85.81	14.53	0.0088	14.17	30.45	-5.61	
150	225	5/2 ⁺		0.94	0.68	1636.37	2.43	3.99	0.14	6.73	54.76	13.61	0.0077	14.15	30.80	-5.75	
151	226	5/2 ⁺	9/2 ⁻	0.94	0.70	1637.73	1.36	3.80	0.12	0.03	28.34	15.08	0.0078	14.57	31.22	-5.95	
152	227	5/2 ⁺		0.94	0.68	1639.98	2.24	3.61	0.16	3.89	20.42	14.16	0.0062	14.59	31.29	-6.11	
153	228	5/2 ⁺	7/2 ⁺	0.93	0.71	1640.84	0.87	3.11	0.33	0.44	16.67	15.89	0.0053	14.92	31.94	-6.03	
154	229	5/2 ⁺		0.93	0.70	1642.84	2.00	2.87	0.21	0.23	7.02	14.78	0.0050	15.05	32.32	-5.86	
155	230	5/2 ⁺	1/2 ⁺	0.93	0.70	1643.69	0.84	2.84	0.21	0.58	5.37	16.30	0.0046	15.42	32.90	-6.49	
156	231	5/2 ⁺		0.93	0.69	1645.55	1.86	2.70	0.22	0.42	1.82	15.26	0.0041	15.43	33.30	-6.73	
157	232	5/2 ⁺	3/2 ⁺	0.92	0.69	1646.27	0.73	2.59	0.32	0.48	4.37	16.72	0.0039	15.70	33.59	-7.19	
158	233	5/2 ⁺		0.92	0.68	1648.10	1.83	2.56	0.29	0.48	0.04	15.55	0.0037	15.74	34.00	-7.55	
159	234	5/2 ⁺	9/2 ⁺	0.92	0.65	1648.88	0.78	2.61	0.25	0.11	4.69	16.95	0.0032	16.06	34.21	-7.90	
160	235	5/2 ⁺		0.92	0.63	1650.68	1.80	2.58	0.35	0.85	0.30	15.93	0.0031	16.16	34.67	-8.28	
161	236	5/2 ⁺	11/2 ⁻	0.92	0.63	1651.22	0.55	2.34	0.34	0.02	1.17	17.52	0.0029	16.43	34.99	-8.26	
162	237	5/2 ⁺		0.93	0.63	1652.82	1.60	2.14	0.41	0.30	1.43	16.51	0.0025	16.52	35.46	-8.52	
163	238	5/2 ⁺	13/2 ⁻	0.93	0.65	1652.92	0.09	1.69	0.24	0.21	1.12	18.40	0.0022	16.84	35.94	-8.38	
164	239	5/2 ⁺		0.92	0.63	1653.75	0.84	0.93	0.08	0.42	0.03	17.61	0.0020	16.83	36.19	-8.10	
165	240	5/2 ⁺	3/2 ⁺	0.92	0.62	1653.56	-0.20	0.64	0.13	0.00	1.10	18.91	0.0019	17.23	36.54	-8.29	
166	241	5/2 ⁺		0.92	0.64	1653.73	0.17	-0.03	0.00	...	...	18.34	0.0017	16.88	36.35	-7.87	
167	242	5/2 ⁺	9/2 ⁺	0.92	0.65	1653.10	-0.62	-0.45	...	...	...	19.56	0.0018	16.98	36.94	-7.80	
168	243	5/2 ⁺		0.92	0.64	1653.87	0.76	0.14	0.00	...	...	18.61	0.0017	18.02	38.33	-8.20	
169	244	5/2 ⁺	9/2 ⁺	0.92	0.63	1653.65	-0.22	0.54	...	...	...	19.73	0.0018	18.35	38.98	-9.19	
170	245	5/2 ⁺		0.92	0.63	1653.67	0.02	-0.20	0.00	0.00	0.00	17.99	0.0024	17.48	38.64	-9.84	
171	246	1/2 ⁻	3/2 ⁺	0.99	0.61	1651.86	-1.81	-1.79	0.00	0.00	0.00	20.08	0.0016	18.76		-8.90	
172	247	1/2 ⁻		0.99	0.59	1652.57	0.71	-1.10	0.00	0.00	0.00	20.02	0.0010	18.69		-9.25	
173	248	5/2 ⁺	1/2 ⁺	0.95	0.64	1651.68	-0.88	-0.17	0.00	1.08	0.20	22.01	0.0008	19.23			
174	249	5/2 ⁺		0.94	0.61	1652.38	0.69	-0.19	0.00	0.00	...	20.06	0.0011				
175	250	5/2 ⁺	15/2 ⁻	0.94	0.61	1651.95	-0.42	0.27	0.00	0.00	...	21.51	0.0010				
$Z = 76$ (Os)																	
83	159		7/2 ⁻	0.99	1.14	1228.22						11.39	0.0852	0.12	-1.26	4.95	10 ^{4.75}
84	160			0.98	1.07	1241.03	12.81					8.40	0.1287	0.65	-0.64	6.68	10 ^{-3.70}
85	161		3/2 ⁻	0.92	1.04	1250.74	9.71	22.52				10.32	0.1665	0.52	-0.13	7.03	10 ^{-3.80}
86	162			0.98	1.07	1262.80	12.06	21.77				8.27	0.1529	0.96	0.23	7.17	10 ^{-5.28}
87	163		3/2 ⁻	0.89	1.04	1272.58	9.78	21.84				9.92	0.2260	0.74	0.55	6.59	10 ^{-2.32}
88	164			0.86	1.04	1284.49	11.91	21.69				7.65	0.5412	1.21	0.97	6.37	10 ^{-2.62}
89	165		3/2 ⁻	0.85	1.03	1294.16	9.67	21.58				9.19	0.5383	1.24	1.43	6.16	10 ^{-0.78}
90	166			0.89	1.03	1305.83	11.66	21.34				6.87	0.8145	1.69	1.90	5.99	10 ^{-1.15}
91	167		5/2 ⁻	0.90	1.03	1315.24	9.41	21.07				8.27	0.8131	1.76	2.40	5.80	10 ^{0.71}
92	168			0.89	1.04	1326.56	11.32	20.73				6.08	1.8726	2.27	2.86	5.66	10 ^{0.21}
93	169		1/2 ⁺	0.89	1.04	1335.57	9.02	20.34				7.66	2.9634	2.15	3.24	5.56	10 ^{1.74}
94	170			0.89	1.05	1346.66	11.08	20.10				5.37	3.5489	2.64	3.73	5.33	10 ^{1.72}
95	171		3/2 ⁺	0.90	1.04	1355.51	8.85	19.94				6.88	6.2352	2.70	4.23	5.12	10 ^{3.85}
96	172			0.90	1.04	1366.27	10.75	19.61				4.68	7.3301	3.09	4.63	4.96	10 ^{3.59}
97	173		5/2 ⁺	0.94	1.00	1374.81	8.54	19.30				6.10	12.7893	3.09	5.10	4.77	10 ^{5.71}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 76 (Os)																	
98	174			0.93	1.00	1385.30	10.50	19.04				3.89	17.1409	3.62	5.61	4.63	$10^{5.47}$
99	175		1/2 ⁻	0.98	0.95	1393.38	8.08	18.57				5.46	19.2770	3.40	5.90	4.62	$10^{6.56}$
100	176			0.95	0.96	1403.55	10.17	18.25				3.24	34.6707	3.93	6.47	4.44	$10^{6.60}$
101	177		7/2 ⁺	0.96	0.94	1411.48	7.92	18.09				4.62	50.6430	3.90	6.98	4.30	$10^{8.60}$
102	178			0.93	0.94	1421.29	9.81	17.74				2.43	87.3749	4.41	7.48	4.09	$10^{8.99}$
103	179		5/2 ⁻	0.95	0.91	1428.88	7.59	17.41				3.84	> 100	4.38	7.92	3.91	$10^{11.33}$
104	180			0.91	0.92	1438.45	9.57	17.16				1.56	> 100	4.95	8.59	3.65	$10^{12.33}$
105	181		7/2 ⁻	0.94	0.89	1445.72	7.26	16.84				2.99	47.7995	4.93	9.01	3.54	$10^{14.38}$
106	182			0.93	0.89	1454.92	9.20	16.47				0.79	> 100	5.43	9.55	3.24	$10^{16.18}$
107	183		9/2 ⁺	0.93	0.88	1461.93	7.01	16.21				2.00	> 100	5.44	10.05	3.08	$10^{18.95}$
108	184			0.92	0.86	1470.69	8.76	15.77				...	β -stable	5.98	10.76	2.97	$10^{19.06}$
109	185		1/2 ⁻	0.92	0.85	1477.19	6.50	15.26				0.88	> 100	6.00	11.20	2.98	$10^{19.98}$
110	186			0.92	0.83	1485.37	8.18	14.68				...	β -stable	6.52	11.75	2.86	> 10^{20}
111	187		3/2 ⁻	0.91	0.83	1491.61	6.23	14.41				...	β -stable	6.56	12.26	2.68	> 10^{20}
112	188			0.92	0.83	1499.31	7.71	13.94				...	β -stable	6.94	12.60	2.61	> 10^{20}
113	189		11/2 ⁺	0.91	0.82	1505.29	5.98	13.68				...	β -stable	6.94	13.11	2.35	> 10^{20}
114	190			0.91	0.82	1512.79	7.50	13.48				...	β -stable	7.46	13.67	2.21	> 10^{20}
115	191		11/2 ⁺	0.93	0.79	1518.70	5.91	13.41	100.00	0.00	0.00	...	β -stable	7.69	14.43	1.78	> 10^{20}
116	192			0.93	0.77	1526.26	7.56	13.48				...	β -stable	8.35	15.49	1.15	> 10^{20}
117	193		9/2 ⁻	0.93	0.77	1531.94	5.68	13.24	100.00	0.00	0.00	0.79	> 100	8.42	16.03	0.63	> 10^{20}
118	194			0.93	0.79	1539.01	7.07	12.75	100.00	0.00	0.00	...	β -stable	9.01	16.73	0.06	> 10^{20}
119	195		13/2 ⁺	0.95	0.75	1544.07	5.06	12.13	100.00	0.00	0.00	2.07	> 100	9.30	18.02	0.13	> 10^{20}
120	196			1.00	0.79	1550.50	6.43	11.49	100.00	0.00	0.00	1.25	> 100	9.85	18.00	0.08	> 10^{20}
121	197		1/2 ⁻	1.01	0.75	1555.69	5.19	11.61	100.00	0.00	0.00	2.83	> 100	10.04	18.62	-1.34	
122	198			1.04	0.73	1562.57	6.89	12.07	100.00	0.00	0.00	1.87	> 100	10.53	19.26	-1.78	
123	199		3/2 ⁻	1.05	0.75	1567.60	5.02	11.91	100.00	0.00	0.00	3.66	> 100	10.62	19.76	-2.24	
124	200			1.06	0.76	1574.11	6.51	11.53	100.00	0.00	0.00	2.60	> 100	11.08	20.26	-2.50	
125	201		1/2 ⁻	1.10	0.75	1579.03	4.92	11.43	100.00	0.00	0.00	4.24	> 100	11.30	20.71	-2.89	
126	202			1.10	0.88	1584.86	5.83	10.76	100.00	0.00	0.00	3.72	> 100	11.67	21.14	-2.72	
127	203		9/2 ⁺	1.09	0.80	1587.67	2.80	8.64	92.89	7.11	0.00	6.79	> 100	11.73	21.68	-1.05	
128	204			1.09	0.75	1591.99	4.32	7.13	78.13	21.87	0.00	5.54	> 100	12.18	22.02	0.03	> 10^{20}
129	205		3/2 ⁺	1.08	0.77	1594.06	2.08	6.40	77.04	22.94	0.03	7.99	50.1226	12.23	22.41	0.22	> 10^{20}
130	206			1.08	0.81	1598.00	3.93	6.01	4.48	95.52	0.00	6.50	30.4705	12.60	22.95	0.27	> 10^{20}
131	207		5/2 ⁺	1.06	0.83	1599.93	1.93	5.86	8.35	85.29	6.36	8.59	3.3525	12.47	23.41	0.02	> 10^{20}
132	208			1.05	0.85	1603.73	3.80	5.73	0.38	99.58	0.04	7.02	2.0056	12.81	23.76	-0.38	
133	209		5/2	1.04	0.77	1605.64	1.91	5.71	76.25	21.85	1.89	8.93	0.1138	12.63	24.00	-0.82	
134	210			1.00	0.81	1609.49	3.85	5.76	0.04	99.85	0.11	7.34	0.2943	12.96	24.25	-1.22	
135	211		3/2	1.02	0.77	1611.66	2.17	6.02	19.49	76.10	4.41	9.01	0.1832	12.96	24.60	-1.73	
136	212			1.00	0.78	1615.41	3.75	5.92	0.03	99.86	0.11	7.76	0.1476	13.42	25.04	-1.87	
137	213		3/2 ⁻	0.99	0.77	1617.41	2.00	5.75	3.83	93.36	2.81	9.53	0.1029	13.21	25.17	-2.06	
138	214			0.98	0.77	1621.14	3.72	5.73	4.08	95.62	0.30	8.07	0.0801	13.56	25.48	-2.47	
139	215		5/2 ⁺	0.99	0.74	1623.29	2.15	5.87	38.24	59.52	2.24	9.67	0.0551	13.52	25.79	-2.75	
140	216			0.99	0.75	1626.96	3.67	5.82	14.49	85.19	0.31	8.39	0.0598	13.85	26.13	-3.01	
141	217		5/2 ⁻	1.00	0.72	1628.99	2.03	5.71	11.96	83.28	4.77	10.06	0.0519	13.77	26.43	-3.20	
142	218			0.99	0.72	1632.52	3.52	5.56	15.15	84.56	0.29	8.96	0.0363	14.15	26.80	-3.39	
143	219		5/2 ⁺	0.99	0.72	1634.44	1.92	5.44	28.97	66.52	4.50	10.57	0.0306	14.11	27.13	-3.57	
144	220			0.98	0.72	1637.89	3.45	5.37	13.13	85.36	1.49	9.40	0.0281	14.52	27.55	-3.87	
145	221		1/2 ⁺	0.97	0.72	1639.69	1.81	5.26	12.31	57.60	29.98	10.94	0.0253	14.50	27.88	-4.09	
146	222			0.97	0.72	1642.90	3.21	5.02	10.10	87.90	1.84	9.92	0.0204	14.85	28.31	-4.27	
147	223		7/2 ⁻	0.97	0.70	1644.61	1.71	4.92	4.20	46.33	49.02	11.40	0.0215	14.91	28.65	-4.50	
148	224			0.96	0.69	1647.68	3.07	4.78	7.62	88.61	3.14	10.44	0.0150	15.30	29.10	-4.79	
149	225		7/2 ⁺	0.96	0.69	1649.20	1.51	4.58	12.24	38.15	48.92	11.98	0.0116	15.26	29.43	-4.94	
150	226			0.95	0.68	1652.04	2.84	4.35	4.46	91.09	3.35	11.07	0.0106	15.66	29.82	-5.15	
151	227		9/2 ⁻	0.95	0.69	1653.35	1.32	4.16	0.02	25.57	72.83	12.60	0.0104	15.62	30.19	-5.29	
152	228			0.94	0.68	1655.95	2.60	3.92	0.44	60.59	37.15	11.68	0.0081	15.97	30.56	-5.44	
153	229		7/2 ⁺	0.93	0.70	1656.85	0.89	3.49	2.40	9.86	82.77	13.37	0.0070	16.00	30.92	-5.39	
154	230			0.93	0.70	1659.20	2.35	3.25	0.06	18.96	75.22	12.24	0.0067	16.35	31.41	-5.51	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 76$ (Os)																	
155	231		1/2 ⁺	0.93	0.70	1660.03	0.83	3.18	3.43	1.13	59.06	13.69	0.0064	16.34	31.76	-5.81	
156	232			0.92	0.70	1662.21	2.18	3.01	0.07	9.15	19.23	12.55	0.0060	16.66	32.09	-6.12	
157	233		9/2 ⁺	0.92	0.71	1662.87	0.66	2.84	0.03	5.72	24.70	14.10	0.0048	16.59	32.30	-6.31	
158	234			0.92	0.69	1665.05	2.18	2.84	0.04	4.37	13.53	12.84	0.0054	16.95	32.69	-6.64	
159	235		3/2 ⁺	0.92	0.66	1665.82	0.77	2.95	2.46	0.09	15.36	14.27	0.0051	16.94	33.00	-6.95	
160	236			0.92	0.64	1667.96	2.14	2.91	0.29	7.68	9.37	13.21	0.0045	17.28	33.44	-7.30	
161	237		11/2 ⁻	0.92	0.63	1668.55	0.59	2.73	0.00	0.58	12.03	14.77	0.0043	17.33	33.76	-7.43	
162	238			0.92	0.62	1670.53	1.98	2.58	0.42	9.16	10.18	13.86	0.0035	17.71	34.23	-7.72	
163	239		13/2 ⁻	0.92	0.65	1670.58	0.05	2.03	0.05	0.76	10.17	15.74	0.0031	17.67	34.51	-7.49	
164	240			0.92	0.64	1671.68	1.10	1.15	0.02	1.13	2.91	15.02	0.0026	17.93	34.76	-7.09	
165	241		3/2 ⁺	0.91	0.64	1671.28	-0.40	0.70	1.09	0.00	1.77	16.58	0.0023	17.73	34.96	-6.92	
166	242			0.91	0.66	1671.89	0.60	0.20	0.00	...	...	15.72	0.0023	18.16	35.04	-6.66	
167	243		9/2 ⁺	0.91	0.65	1671.69	-0.19	0.41	...	...	...	17.03	0.0023	18.59	35.57	-7.07	
168	244			0.91	0.65	1672.59	0.89	0.70	0.07	...	...	16.24	0.0019	18.72	36.74	-7.45	
169	245		3/2 ⁺	0.92	0.68	1670.87	-1.72	-0.82	0.00	0.00	...	17.75	0.0017	17.23	35.58	-6.46	
170	246			0.93	0.69	1671.16	0.28	-1.43	0.00	0.00	0.00	17.35	0.0012	17.49	34.97	-7.01	
171	247		3/2 ⁺	0.96	0.61	1671.81	0.65	0.93	...	...	...	17.33	0.0023	19.95	38.71	-8.21	
172	248			0.96	0.59	1672.91	1.11	1.75	4.18	...	...	17.51	0.0013	20.34	39.03	-8.43	
173	249		1/2 ⁺	0.93	0.65	1671.65	-1.26	-0.15	1.80	3.47	0.55	19.86	0.0008	19.97	39.20	-10.26	
174	250			0.93	0.62	1672.68	1.02	-0.24	0.00	...	...	17.96	0.0012	20.30		-10.50	
175	251		15/2 ⁻	0.93	0.61	1672.32	-0.35	0.67	0.00	0.00	...	19.07	0.0013	20.37		-11.58	
176	252			0.92	0.59	1672.97	0.65	0.29	0.00	0.00	0.00	18.41	0.0011				
177	253		1/2 ⁺	0.97	0.59	1672.75	-0.22	0.43	...	...	...	19.47	0.0012				
$Z = 77$ (Ir)																	
85	162	3/2 ⁺	5/2 ⁻	0.88	1.06	1249.52						12.49	0.1515	-1.22	-0.70	6.87	10 ^{-2.81}
86	163	3/2 ⁺		0.88	1.09	1261.52	12.00					10.28	0.1607	-1.28	-0.32	7.16	10 ^{-4.08}
87	164	11/2 ⁻	1/2 ⁻	0.86	1.05	1271.62	10.11	22.11				12.08	0.1423	-0.96	-0.22	6.89	10 ^{-2.86}
88	165	11/2 ⁻		0.88	1.05	1283.41	11.79	21.89				9.97	0.2028	-1.08	0.13	6.72	10 ^{-2.65}
89	166	11/2 ⁻	3/2 ⁻	0.88	1.05	1293.44	10.02	21.81				11.61	0.2434	-0.73	0.51	6.70	10 ^{-2.24}
90	167	11/2 ⁻		0.86	1.05	1305.05	11.61	21.64				9.41	0.3235	-0.78	0.91	6.53	10 ^{-1.98}
91	168	11/2 ⁻	5/2 ⁻	0.89	1.04	1314.90	9.85	21.46				10.88	0.3586	-0.34	1.42	6.32	10 ^{-0.86}
92	169	11/2 ⁻		0.89	1.04	1326.16	11.27	21.12				8.63	0.6105	-0.40	1.88	6.27	10 ^{-1.00}
93	170	11/2 ⁻	1/2 ⁺	0.90	1.04	1335.66	9.49	20.76				10.22	0.7987	0.09	2.23	6.11	10 ^{-0.06}
94	171	11/2 ⁻		0.89	1.05	1346.66	11.01	20.50				8.07	1.0064	0.01	2.65	5.92	10 ^{0.39}
95	172	11/2 ⁻	3/2 ⁺	0.90	1.05	1355.84	9.18	20.19				9.64	1.6569	0.33	3.03	5.87	10 ^{0.91}
96	173	11/2 ⁻		0.90	1.06	1366.51	10.66	19.85				7.51	1.6296	0.25	3.33	5.80	10 ^{0.89}
97	174	11/2 ⁻	5/2 ⁻	0.90	1.06	1375.47	8.96	19.62				9.05	2.3037	0.66	3.75	5.64	10 ^{1.92}
98	175	11/2 ⁻		0.90	1.06	1385.91	10.44	19.40				6.69	2.9716	0.61	4.22	5.56	10 ^{1.93}
99	176	1/2 ⁻	1/2 ⁻	0.98	0.95	1394.83	8.92	19.36				7.94	11.2654	1.45	4.85	5.19	10 ^{4.07}
100	177	11/2 ⁻		0.91	1.04	1404.73	9.90	18.82				5.97	5.5910	1.17	5.11	5.26	10 ^{3.38}
101	178	1/2 ⁻	7/2 ⁺	0.99	0.92	1413.27	8.55	18.44				7.23	27.3165	1.80	5.70	5.00	10 ^{5.04}
102	179	1/2 ⁻		0.97	0.93	1423.24	9.96	18.51				4.86	52.1736	1.95	6.36	4.68	10 ^{6.51}
103	180	1/2 ⁻	5/2 ⁻	0.98	0.91	1431.24	8.00	17.97				6.43	65.6944	2.36	6.74	4.63	10 ^{7.12}
104	181	1/2 ⁻		0.95	0.92	1440.85	9.61	17.61				4.09	> 100	2.39	7.34	4.32	10 ^{8.72}
105	182	1/2 ⁻	7/2 ⁻	0.97	0.88	1448.42	7.57	17.18				5.72	23.4262	2.70	7.63	4.38	10 ^{8.71}
106	183	1/2 ⁻		0.94	0.89	1457.74	9.32	16.89				3.41	> 100	2.82	8.25	4.07	10 ^{10.53}
107	184	1/2 ⁻	9/2 ⁺	0.94	0.87	1465.15	7.41	16.73				4.76	> 100	3.22	8.66	3.94	10 ^{11.80}
108	185	11/2 ⁻		0.92	0.88	1474.06	8.91	16.32				2.35	> 100	3.37	9.34	3.72	10 ^{13.19}
109	186	11/2 ⁻	1/2 ⁻	0.91	0.86	1481.01	6.95	15.86				3.58	> 100	3.82	9.82	3.78	10 ^{13.10}
110	187	11/2 ⁻		0.89	0.89	1489.02	8.01	14.97				1.80	> 100	3.65	10.17	3.99	10 ^{11.11}
111	188	11/2 ⁻	7/2 ⁻	0.89	0.89	1495.59	6.57	14.58				2.94	> 100	3.98	10.55	3.90	10 ^{12.13}
112	189	11/2 ⁻		0.89	0.89	1503.53	7.94	14.51				0.98	> 100	4.22	11.15	3.62	10 ^{14.05}
113	190	11/2 ⁻	3/2 ⁻	0.89	0.86	1510.14	6.61	14.55	100.00	0.00	0.00	1.86	> 100	4.85	11.79	3.20	10 ^{18.44}
114	191	11/2 ⁻		0.88	0.85	1517.92	7.78	14.39				...	β -stable	5.13	12.60	2.75	> 10 ²⁰
115	192	11/2 ⁻	11/2 ⁺	0.89	0.83	1524.26	6.34	14.12	100.00	0.00	0.00	$\pm$	$\pm$	5.56	13.25	2.39	> 10 ²⁰
116	193	11/2 ⁻		0.91	0.81	1531.95	7.68	14.02				...	β -stable	5.68	14.04	1.68	> 10 ²⁰
117	194	11/2 ⁻	3/2 ⁻	0.91	0.80	1537.99	6.05	13.73	100.00	0.00	0.00	$\pm$	$\pm$	6.05	14.48	1.31	> 10 ²⁰

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 77 (Ir)																	
118	195	11/2 ⁻		0.91	0.79	1545.36	7.36	13.41	100.00	0.00	0.00	0.61	> 100	6.35	15.36	0.85	> 10 ²⁰
119	196	11/2 ⁻	13/2 ⁺	0.93	0.77	1550.97	5.61	12.98	100.00	0.00	0.00	3.05	> 100	6.90	16.20	0.84	> 10 ²⁰
120	197	3/2 ⁺		0.96	0.79	1557.74	6.77	12.38	100.00	0.00	0.00	2.09	> 100	7.24	17.08	0.56	> 10 ²⁰
121	198	3/2 ⁺	1/2 ⁻	0.96	0.75	1563.66	5.92	12.69	100.00	0.00	0.00	3.87	> 100	7.97	18.01	-0.59	
122	199	3/2 ⁺		0.99	0.74	1570.48	6.82	12.74	100.00	0.00	0.00	2.97	> 100	7.90	18.44	-1.53	
123	200	3/2 ⁺	3/2 ⁻	1.00	0.75	1575.92	5.44	12.26	100.00	0.00	0.00	4.84	> 100	8.32	18.94	-1.98	
124	201	3/2 ⁺		1.01	0.76	1582.49	6.57	12.01	100.00	0.00	0.00	3.77	> 100	8.38	19.47	-2.15	
125	202	3/2 ⁺	1/2 ⁻	1.04	0.76	1587.80	5.31	11.88	100.00	0.00	0.00	5.44	> 100	8.77	20.07	-2.52	
126	203	1/2 ⁺		1.04	0.88	1593.68	5.88	11.19	100.00	0.00	0.00	4.92	> 100	8.81	20.48	-2.36	
127	204	3/2 ⁺	9/2 ⁺	1.03	0.79	1596.75	3.07	8.95	99.99	0.01	0.00	8.11	> 100	9.08	20.82	-0.72	
128	205	3/2 ⁺		1.04	0.75	1601.27	4.52	7.60	91.45	8.55	0.00	6.83	> 100	9.28	21.46	0.22	> 10 ²⁰
129	206	1/2 ⁺	3/2 ⁺	1.03	0.77	1603.71	2.44	6.97	20.31	72.41	7.28	9.18	76.1733	9.65	21.88	0.51	> 10 ²⁰
130	207	3/2 ⁺		1.03	0.82	1607.74	4.02	6.46	27.38	72.62	0.00	7.60	41.1480	9.74	22.34	0.37	> 10 ²⁰
131	208	1/2 ⁺	5/2 ⁺	1.01	0.83	1609.97	2.23	6.25	4.14	46.15	49.71	9.76	4.2900	10.04	22.51	0.17	> 10 ²⁰
132	209	1/2 ⁺		1.00	0.85	1613.79	3.82	6.05	4.21	95.31	0.48	8.36	2.0218	10.06	22.87	-0.09	
133	210	11/2 ⁻	5/2 ⁺	0.98	0.83	1616.04	2.25	6.07	0.03	74.66	25.31	10.27	0.2679	10.40	23.03	-0.29	
134	211	11/2 ⁻		0.97	0.83	1619.89	3.85	6.10	0.00	99.23	0.77	8.70	0.2263	10.40	23.36	-0.68	
135	212	11/2	3/2	0.97	0.79	1622.39	2.50	6.35	0.02	72.97	27.01	10.30	0.1486	10.73	23.69	-1.08	
136	213	11/2		0.97	0.81	1626.16	3.77	6.27	0.00	99.07	0.93	8.95	0.1359	10.75	24.17	-1.34	
137	214	11/2	1/2	0.96	0.79	1628.43	2.27	6.04	4.04	81.81	14.15	10.75	0.0695	11.01	24.23	-1.43	
138	215	11/2 ⁻		0.96	0.80	1632.17	3.74	6.01	0.00	99.15	0.85	9.40	0.0700	11.03	24.59	-1.89	
139	216	11/2 ⁻	5/2 ⁺	0.97	0.77	1634.57	2.39	6.14	3.68	73.09	23.23	11.08	0.0461	11.28	24.80	-2.07	
140	217	11/2 ⁻		0.97	0.76	1638.27	3.71	6.10	0.00	99.08	0.91	9.69	0.0550	11.31	25.16	-2.40	
141	218	11/2 ⁻	5/2 ⁻	0.98	0.75	1640.69	2.42	6.13	0.51	68.06	31.41	11.27	0.0603	11.70	25.47	-2.63	
142	219	1/2 ⁻		0.99	0.73	1644.23	3.53	5.95	1.86	95.91	2.16	10.11	0.0544	11.71	25.85	-2.82	
143	220	1/2 ⁻	5/2 ⁺	0.98	0.74	1646.50	2.28	5.81	4.46	46.10	49.38	11.69	0.0440	12.06	26.18	-2.98	
144	221	1/2 ⁻		0.97	0.74	1649.85	3.35	5.63	1.19	86.77	11.90	10.60	0.0396	11.97	26.49	-3.19	
145	222	1/2 ⁻	1/2 ⁺	0.97	0.73	1652.04	2.18	5.54	12.04	18.57	69.24	12.18	0.0346	12.35	26.85	-3.42	
146	223	1/2 ⁻		0.96	0.73	1655.23	3.20	5.38	0.86	84.20	14.42	11.17	0.0265	12.33	27.18	-3.57	
147	224	1/2 ⁻	7/2 ⁻	0.97	0.70	1657.34	2.10	5.30	1.04	15.01	83.36	12.62	0.0296	12.72	27.63	-3.85	
148	225	1/2 ⁻		0.95	0.70	1660.39	3.06	5.16	0.69	45.56	52.82	11.60	0.0201	12.71	28.01	-4.05	
149	226	1/2 ⁻	7/2 ⁺	0.96	0.69	1662.33	1.93	4.99	0.62	16.32	81.67	13.08	0.0169	13.13	28.39	-4.32	
150	227	1/2 ⁻		0.95	0.68	1665.17	2.85	4.78	0.60	31.07	65.94	12.10	0.0158	13.14	28.80	-4.50	
151	228	1/2 ⁻	9/2 ⁻	0.95	0.69	1666.85	1.68	4.52	0.55	5.05	91.70	13.63	0.0151	13.50	29.12	-4.62	
152	229	1/2 ⁻		0.95	0.68	1669.43	2.58	4.26	0.43	19.40	76.41	12.73	0.0115	13.48	29.45	-4.76	
153	230	1/2 ⁻	7/2 ⁺	0.94	0.70	1670.66	1.23	3.81	0.42	2.58	75.19	14.43	0.0096	13.81	29.82	-4.63	
154	231	1/2 ⁻		0.93	0.70	1672.94	2.28	3.50	0.00	3.90	23.32	13.38	0.0086	13.74	30.09	-4.66	
155	232	11/2 ⁻	1/2 ⁺	0.93	0.72	1673.97	1.03	3.31	0.30	2.89	23.40	14.99	0.0070	13.94	30.29	-4.83	
156	233	11/2 ⁻		0.92	0.72	1676.19	2.21	3.25	0.02	1.23	6.97	13.95	0.0058	13.98	30.64	-5.05	
157	234	11/2 ⁻	1/2 ⁺	0.91	0.72	1677.11	0.92	3.14	0.33	2.19	3.98	15.45	0.0057	14.24	30.83	-5.13	
158	235	11/2 ⁻		0.91	0.70	1679.31	2.20	3.12	0.04	0.04	3.50	14.25	0.0052	14.26	31.21	-5.47	
159	236	11/2 ⁻	11/2 ⁻	0.91	0.69	1680.39	1.08	3.28	0.06	0.00	3.38	15.63	0.0054	14.56	31.51	-5.82	
160	237	11/2 ⁻		0.91	0.67	1682.54	2.16	3.23	0.07	0.06	3.77	14.54	0.0046	14.58	31.87	-6.14	
161	238	11/2 ⁻	3/2 ⁺	0.91	0.64	1683.61	1.07	3.22	0.28	0.73	4.41	15.96	0.0046	15.06	32.38	-6.43	
162	239	11/2 ⁻		0.91	0.61	1685.54	1.93	3.00	0.12	0.31	4.35	15.08	0.0038	15.01	32.72	-6.57	
163	240	11/2 ⁻	13/2 ⁻	0.91	0.66	1685.92	0.38	2.31	0.06	0.12	3.10	16.96	0.0032	15.34	33.00	-6.40	
164	241	11/2 ⁻		0.90	0.65	1687.08	1.16	1.54	0.02	0.27	0.05	16.19	0.0027	15.40	33.33	-5.97	
165	242	11/2 ⁻	3/2 ⁺	0.90	0.66	1686.82	-0.26	0.90	0.01	0.00	2.08	18.06	0.0020	15.54	33.26	-5.61	
166	243	11/2 ⁻		0.90	0.66	1687.94	1.12	0.86	0.00	...	...	16.67	0.0024	16.06	34.22	-5.89	
167	244	11/2 ⁻	9/2 ⁺	0.90	0.66	1688.05	0.11	1.23	...	...	...	18.01	0.0024	16.36	34.95	-6.20	
168	245	11/2 ⁻		0.90	0.70	1687.84	-0.21	-0.10	0.00	0.00	0.00	16.25	0.0030	15.25	33.97	-5.82	
169	246	11/2 ⁻	3/2 ⁺	0.91	0.71	1687.73	-0.12	-0.33	...	...	...	18.79	0.0018	16.85	34.08	-6.32	
170	247	11/2 ⁻		0.91	0.70	1688.36	0.63	0.51	0.00	...	...	18.00	0.0015	17.20	34.69	-6.19	
171	248	3/2 ⁺	3/2 ⁺	0.93	0.62	1689.64	1.28	1.91	...	...	...	17.98	0.0030	17.83	37.78	-7.69	
172	249	3/2 ⁺		0.93	0.60	1690.73	1.09	2.37	2.69	...	...	17.04	0.0026	17.82	38.16	-8.77	
173	250	11/2 ⁻	15/2 ⁻	0.91	0.65	1689.85	-0.88	0.21	0.00	0.00	0.05	19.61	0.0015	18.20	38.17	-9.69	
174	251	11/2 ⁻		0.91	0.64	1690.61	0.76	-0.12	0.00	0.04	0.00	18.88	0.0012	17.94	38.24	-9.75	

N	A	Ω_{p}^{π}	Ω_{n}^{π}	$\Delta_{\text{LN}_{\text{p}}}$ (MeV)	$\Delta_{\text{LN}_{\text{n}}}$ (MeV)	E_{bind} (MeV)	$S_{1\text{n}}$ (MeV)	$S_{2\text{n}}$ (MeV)	P_{A} (%)	$P_{\text{A}-1}$ (%)	$P_{\text{A}-2}$ (%)	Q_{β} (MeV)	T_{β} (s)	$S_{1\text{p}}$ (MeV)	$S_{2\text{p}}$ (MeV)	Q_{α} (MeV)	T_{α} (s)
$Z = 77$ (Ir)																	
175	252	11/2 ⁻	1/2 ⁺	0.91	0.61	1690.60	-0.02	0.75	0.00	0.00	0.06	20.26	0.0012	18.28	38.65	-10.62	
176	253	11/2 ⁻		0.90	0.60	1691.44	0.84	0.82	0.00	...	...	19.32	0.0012	18.47		-10.77	
177	254	3/2 ⁺	1/2 ⁺	0.93	0.59	1691.61	0.17	1.01	...	...	...	20.35	0.0013	18.86		-11.36	
178	255	3/2 ⁺		0.93	0.57	1691.99	0.39	0.56	5.98	...	...	20.61	0.0008				
179	256	3/2 ⁺	1/2 ⁺	0.94	0.60	1690.80	-1.20	-0.81	0.07	0.69	10.06	22.56	0.0006				
$Z = 78$ (Pt)																	
87	165		5/2 ⁻	0.79	1.08	1271.56						11.07	0.1077	-0.07	-1.02	7.48	10 ^{-4.33}
88	166			0.79	1.08	1283.83	12.27					8.82	0.1146	0.42	-0.66	7.26	10 ^{-4.75}
89	167		7/2 ⁻	0.78	1.07	1293.67	9.84	22.11				10.60	0.1202	0.23	-0.50	7.21	10 ^{-3.52}
90	168			0.78	1.07	1305.60	11.93	21.77				8.51	0.1488	0.55	-0.22	7.18	10 ^{-4.51}
91	169		5/2 ⁻	0.83	1.05	1315.57	9.97	21.90				9.81	0.2550	0.67	0.33	6.89	10 ^{-2.49}
92	170			0.82	1.06	1327.22	11.66	21.62				7.65	0.3788	1.06	0.67	6.90	10 ^{-3.57}
93	171		1/2 ⁺	0.83	1.05	1336.71	9.49	21.15				9.17	0.7941	1.06	1.14	6.82	10 ^{-2.24}
94	172			0.84	1.06	1348.18	11.47	20.95				6.88	1.3037	1.52	1.52	6.67	10 ^{-2.81}
95	173		3/2 ⁺	0.88	1.05	1357.51	9.32	20.79				8.22	1.8848	1.66	1.99	6.36	10 ^{-0.61}
96	174			0.87	1.05	1368.65	11.14	20.47				6.04	1.9795	2.13	2.38	6.31	10 ^{-1.47}
97	175		5/2 ⁺	0.91	1.03	1377.72	9.08	20.22				7.41	3.9560	2.25	2.91	6.09	10 ^{0.47}
98	176			0.90	1.04	1388.54	10.81	19.89				5.51	3.6218	2.63	3.23	6.02	10 ^{-0.34}
99	177		1/2 ⁻	1.01	0.94	1397.19	8.65	19.47				6.76	4.4920	2.36	3.81	5.91	10 ^{1.18}
100	178			0.99	0.93	1407.86	10.68	19.33				4.63	8.3334	3.14	4.31	5.74	10 ^{0.88}
101	179		7/2 ⁺	1.01	0.91	1416.16	8.29	18.97				6.30	8.2370	2.89	4.68	5.52	10 ^{2.93}
102	180			1.00	0.90	1426.41	10.25	18.54				4.05	14.2502	3.17	5.12	5.44	10 ^{2.23}
103	181		5/2 ⁻	0.99	0.89	1434.53	8.13	18.38				5.53	18.8692	3.30	5.65	5.24	10 ^{4.29}
104	182			0.99	0.89	1444.44	9.91	18.03				3.20	51.6380	3.59	5.99	5.14	10 ^{3.70}
105	183		7/2 ⁻	0.98	0.87	1452.24	7.80	17.70				4.72	9.8139	3.82	6.52	4.94	10 ^{5.87}
106	184			0.97	0.87	1461.89	9.65	17.45				2.48	> 100	4.15	6.97	4.86	10 ^{5.24}
107	185		9/2 ⁺	0.97	0.87	1469.33	7.44	17.09				3.95	> 100	4.18	7.40	4.69	10 ^{7.32}
108	186			0.96	0.86	1478.47	9.15	16.59				1.75	> 100	4.41	7.78	4.74	10 ^{5.93}
109	187		1/2 ⁻	0.95	0.85	1485.57	7.10	16.25				2.67	> 100	4.56	8.38	4.65	10 ^{7.52}
110	188			0.88	1.02	1493.54	7.97	15.06				1.27	> 100	4.51	8.17	5.45	10 ^{2.19}
111	189		5/2 ⁻	0.89	1.01	1500.34	6.81	14.77				2.40	> 100	4.75	8.74	5.14	10 ^{4.79}
112	190			0.89	1.00	1509.10	8.75	15.56				0.26		5.57	9.78	4.57	10 ^{6.95}
113	191		5/2 ⁺	0.90	0.99	1515.70	6.60	15.35				1.44	> 100	5.55	10.41	4.21	10 ^{10.43}
114	192			0.90	0.96	1524.22	8.52	15.12				...	β -stable	6.30	11.43	3.39	10 ^{16.11}
115	193		3/2 ⁺	0.90	0.93	1530.63	6.41	14.94				0.53	> 100	6.37	11.93	2.95	> 10 ²⁰
116	194			0.92	0.91	1538.95	8.32	14.73				...	β -stable	7.01	12.69	2.13	> 10 ²⁰
117	195		1/2 ⁻	0.92	0.87	1545.18	6.23	14.55				...	β -stable	7.19	13.24	1.82	> 10 ²⁰
118	196			0.92	0.84	1553.24	8.06	14.28				...	β -stable	7.88	14.23	1.32	> 10 ²⁰
119	197		1/2 ⁻	0.92	0.81	1559.04	5.80	13.86	100.00	0.00	0.00	0.81	> 100	8.07	14.97	1.19	> 10 ²⁰
120	198			0.92	0.79	1566.75	7.70	13.51				...	β -stable	9.01	16.25	0.56	> 10 ²⁰
121	199		1/2 ⁻	0.92	0.76	1572.67	5.92	13.62	100.00	0.00	0.00	1.23	> 100	9.01	16.98	-0.30	
122	200			0.93	0.75	1579.98	7.31	13.23	100.00	0.00	0.00	0.31	> 100	9.50	17.41	-1.18	
123	201		3/2 ⁻	0.95	0.76	1585.48	5.50	12.81	100.00	0.00	0.00	2.17	> 100	9.56	17.88	-1.49	
124	202			0.95	0.78	1592.45	6.97	12.47	100.00	0.00	0.00	1.09	> 100	9.96	18.34	-1.58	
125	203		1/2 ⁻	0.98	0.76	1597.81	5.36	12.34	100.00	0.00	0.00	2.79	> 100	10.02	18.78	-1.92	
126	204			0.98	0.89	1604.08	6.26	11.62	100.00	0.00	0.00	2.32	> 100	10.40	19.21	-1.67	
127	205		9/2 ⁺	0.98	0.80	1607.32	3.24	9.51	100.00	0.00	0.00	5.47	> 100	10.57	19.65	0.01	> 10 ²⁰
128	206			0.98	0.75	1612.11	4.79	8.03	100.00	0.00	0.00	4.19	> 100	10.83	20.12	1.05	> 10 ²⁰
129	207		3/2 ⁺	0.97	0.78	1614.55	2.44	7.24	97.71	2.29	0.00	6.67	> 100	10.84	20.49	1.41	> 10 ²⁰
130	208			0.97	0.82	1618.94	4.39	6.83	4.26	95.74	0.00	5.27	> 100	11.20	20.94	1.35	> 10 ²⁰
131	209		5/2 ⁺	0.96	0.85	1621.36	2.42	6.81	73.47	26.53	0.00	7.13	23.1178	11.40	21.44	1.00	> 10 ²⁰
132	210			0.95	0.87	1625.53	4.16	6.59	0.43	99.57	0.00	5.74	10.0628	11.74	21.80	0.76	> 10 ²⁰
133	211		1/2	0.97	0.83	1627.81	2.28	6.44	45.86	54.12	0.02	7.68	1.9134	11.77	22.17	0.42	> 10 ²⁰
134	212			0.94	0.85	1631.90	4.09	6.37	13.32	86.68	0.00	6.38	0.6587	12.01	22.41	0.12	> 10 ²⁰
135	213		3/2	0.96	0.79	1634.33	2.43	6.53	40.80	59.17	0.03	8.06	0.2947	11.95	22.67	-0.40	
136	214			0.95	0.79	1638.40	4.06	6.50	25.88	74.12	0.00	6.62	0.2714	12.24	22.99	-0.62	
137	215		1/2	0.95	0.80	1640.79	2.39	6.45	43.45	56.47	0.07	8.31	0.1623	12.36	23.37	-0.83	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 78 (Pt)																	
138	216			0.94	0.80	1644.86	4.08	6.46	33.62	66.38	0.00	6.82	0.1779	12.69	23.72	-1.16	
139	217		5/2 ⁺	0.97	0.75	1647.18	2.32	6.39	63.78	36.00	0.23	8.58	0.0884	12.61	23.89	-1.47	
140	218			0.98	0.74	1651.19	4.01	6.32	63.69	36.31	0.00	7.18	0.1146	12.91	24.23	-1.75	
141	219		5/2 ⁻	0.99	0.73	1653.55	2.37	6.38	37.33	62.19	0.48	8.83	0.1067	12.86	24.56	-1.97	
142	220			1.00	0.72	1657.41	3.86	6.23	58.28	41.71	0.01	7.67	0.0767	13.19	24.90	-2.16	
143	221		5/2 ⁺	0.99	0.72	1659.67	2.26	6.12	42.65	56.49	0.86	9.22	0.0602	13.17	25.23	-2.38	
144	222			0.98	0.72	1663.43	3.76	6.02	39.39	60.56	0.05	8.05	0.0595	13.58	25.55	-2.62	
145	223		1/2 ⁺	0.99	0.70	1665.62	2.19	5.95	35.78	62.69	1.53	9.65	0.0483	13.58	25.93	-2.89	
146	224			0.98	0.70	1669.18	3.56	5.74	26.56	73.31	0.13	8.60	0.0411	13.94	26.27	-2.99	
147	225		7/2 ⁻	0.98	0.69	1671.21	2.03	5.59	17.09	80.76	2.15	10.13	0.0386	13.87	26.60	-3.22	
148	226			0.98	0.68	1674.63	3.41	5.45	17.15	82.40	0.45	9.08	0.0295	14.23	26.94	-3.43	
149	227		7/2 ⁺	0.97	0.69	1676.49	1.87	5.28	18.26	66.13	15.58	10.62	0.0215	14.17	27.30	-3.59	
150	228			0.96	0.68	1679.69	3.20	5.07	10.22	88.15	1.56	9.65	0.0208	14.52	27.66	-3.72	
151	229		9/2 ⁻	0.96	0.68	1681.38	1.69	4.89	7.09	56.21	36.41	11.17	0.0196	14.53	28.03	-3.89	
152	230			0.96	0.67	1684.31	2.93	4.61	9.94	87.21	2.36	10.24	0.0153	14.88	28.36	-3.98	
153	231		7/2 ⁺	0.95	0.69	1685.53	1.22	4.15	5.52	28.72	64.81	11.99	0.0124	14.87	28.69	-3.88	
154	232			0.94	0.70	1688.18	2.65	3.87	0.74	79.59	18.61	10.88	0.0114	15.24	28.98	-3.93	
155	233		1/2 ⁺	0.94	0.71	1689.35	1.17	3.82	4.29	7.71	84.98	12.37	0.0106	15.38	29.32	-4.21	
156	234			0.92	0.72	1691.78	2.43	3.60	0.91	28.27	67.31	11.45	0.0085	15.59	29.57	-4.29	
157	235		1/2 ⁺	0.91	0.72	1692.77	0.99	3.42	3.04	3.06	82.63	12.93	0.0082	15.67	29.91	-4.45	
158	236			0.91	0.71	1695.23	2.46	3.45	0.05	18.10	71.32	11.82	0.0073	15.92	30.18	-4.73	
159	237		11/2 ⁻	0.91	0.69	1696.30	1.07	3.53	0.00	3.72	85.17	13.28	0.0072	15.92	30.48	-5.14	
160	238			0.91	0.67	1698.78	2.48	3.55	0.03	16.01	73.21	11.96	0.0070	16.24	30.82	-5.44	
161	239		3/2 ⁺	0.91	0.64	1699.84	1.06	3.54	1.76	4.43	79.00	13.57	0.0060	16.23	31.29	-5.72	
162	240			0.91	0.63	1702.10	2.26	3.32	0.06	18.13	66.83	12.60	0.0052	16.56	31.56	-5.84	
163	241		13/2 ⁻	0.91	0.66	1702.49	0.40	2.65	0.09	2.68	43.07	14.51	0.0043	16.58	31.91	-5.64	
164	242			0.90	0.65	1704.10	1.61	2.00	0.15	3.38	8.72	13.60	0.0039	17.01	32.41	-5.27	
165	243		3/2 ⁺	0.89	0.67	1703.83	-0.26	1.34	0.94	1.30	2.27	15.18	0.0034	17.01	32.55	-4.96	
166	244			0.89	0.67	1705.28	1.45	1.18	0.00	0.00	...	11.86	0.0121	17.33	33.39	-5.30	
167	245		1/2 ⁺	0.90	0.78	1703.31	-1.97	-0.53	...	...	...	15.77	0.0032	15.26	31.61	-3.73	
168	246			0.89	0.72	1705.74	2.43	0.46	1.98	...	...	14.11	0.0034	17.89	33.15	-5.55	
169	247		3/2 ⁺	0.90	0.73	1705.57	-0.16	2.27	2.77	0.79	0.26	16.47	0.0024	17.85	34.70	-5.58	
170	248			0.90	0.71	1706.83	1.26	1.10	2.38	0.65	0.27	15.65	0.0019	18.48	35.67	-5.95	
171	249		3/2 ⁺	0.90	0.70	1706.99	0.16	1.41	2.28	1.00	0.89	17.22	0.0018	17.35	35.18	-7.82	
172	250			0.89	0.68	1708.68	1.69	1.85	3.00	0.37	0.01	17.32	0.0010	17.95	35.77	-9.23	
173	251		15/2 ⁻	0.89	0.66	1708.71	0.03	1.72	0.00	2.92	0.36	18.74	0.0010	18.86	37.06	-8.61	
174	252			0.89	0.65	1710.08	1.37	1.40	2.86	1.04	0.22	17.72	0.0010	19.46	37.40	-8.87	
175	253		1/2 ⁺	0.89	0.62	1709.97	-0.10	1.27	1.50	0.03	3.80	18.03	0.0015	19.38	37.65	-10.03	
176	254			0.88	0.59	1711.17	1.20	1.10	3.24	1.32	0.49	17.08	0.0014	19.74	38.20	-10.20	
177	255		1/2 ⁺	0.91	0.59	1711.82	0.65	1.85	3.26	0.04	0.93	18.58	0.0014	20.21	39.07	-11.20	
178	256			0.90	0.57	1712.57	0.75	1.40	0.28	4.77	0.06	17.94	0.0012	20.58		-11.31	
179	257		1/2 ⁺	0.91	0.60	1711.39	-1.18	-0.43	2.62	0.00	5.76	19.96	0.0008	20.60		-10.35	
180	258			0.91	0.58	1712.18	0.78	-0.39	0.00	...	...	18.37	0.0011				
181	259		3/2 ⁺	0.91	0.58	1711.50	-0.68	0.11	0.00	0.00	...	19.82	0.0010				
182	260			0.91	0.56	1711.94	0.44	-0.23	0.00	0.00	0.00	19.03	0.0009				
Z = 79 (Au)																	
88	167	1/2 ⁺		0.73	1.08	1282.38						10.51	0.1325	-1.45	-1.03	7.43	10 ^{-4.09}
89	168	1/2 ⁺	7/2 ⁻	0.73	1.08	1292.68	10.30					12.14	0.1484	-0.99	-0.76	7.24	10 ^{-3.16}
90	169	1/2 ⁺		0.74	1.08	1304.61	11.93	22.23				10.18	0.1753	-0.99	-0.44	7.10	10 ^{-3.05}
91	170	1/2 ⁺	3/2 ⁻	0.74	1.08	1314.62	10.01	21.94				11.83	0.2725	-0.95	-0.28	7.11	10 ^{-2.75}
92	171	1/2 ⁺		0.74	1.08	1326.28	11.67	21.68				9.65	0.2531	-0.94	0.12	7.06	10 ^{-2.91}
93	172	1/2 ⁺	5/2 ⁻	0.74	1.08	1336.02	9.74	21.41				11.37	0.2665	-0.69	0.37	7.17	10 ^{-2.92}
94	173	1/2 ⁺		0.75	1.08	1347.41	11.39	21.13				9.31	0.3360	-0.77	0.75	7.05	10 ^{-2.87}
95	174	1/2 ⁺	5/2 ⁻	0.77	1.08	1356.91	9.50	20.89				10.95	0.3068	-0.60	1.06	7.05	10 ^{-2.52}
96	175	1/2 ⁺		0.77	1.08	1368.03	11.12	20.61				8.91	0.4979	-0.62	1.52	6.93	10 ^{-2.50}
97	176	1/2 ⁺	1/2 ⁻	0.81	1.08	1377.27	9.25	20.36				10.48	1.0483	-0.45	1.80	6.87	10 ^{-1.93}
98	177	1/2 ⁺		0.81	1.08	1388.14	10.87	20.12				8.26	0.9285	-0.39	2.23	6.66	10 ^{-1.55}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 79 (Au)																	
99	178	1/2 ⁺	11/2 ⁺	0.81	1.07	1397.18	9.03	19.90				9.91	1.9285	-0.01	2.35	6.59	10 ^{-0.95}
100	179	1/2 ⁺		0.81	1.07	1407.79	10.61	19.64				7.59	1.9111	-0.08	3.06	6.42	10 ^{-0.66}
101	180	1/2 ⁺	3/2 ⁻	0.81	1.06	1416.57	8.79	19.40				9.05	1.4412	0.42	3.30	6.55	10 ^{-0.81}
102	181	1/2 ⁺		0.81	1.06	1426.92	10.35	19.14				6.83	4.4857	0.51	3.68	6.10	10 ^{0.59}
103	182	1/2 ⁺	1/2 ⁻	0.81	1.05	1435.43	8.51	18.85				8.23	2.1233	0.89	4.19	6.14	10 ^{0.77}
104	183	1/2 ⁺		0.81	1.04	1445.50	10.07	18.58				5.95	13.3030	1.06	4.66	6.03	10 ^{0.88}
105	184	1/2 ⁺	9/2 ⁺	0.81	1.04	1453.70	8.20	18.27				7.41	36.6649	1.46	5.28	5.83	10 ^{2.05}
106	185	1/2 ⁺		0.82	1.04	1463.41	9.71	17.91				5.14	39.8934	1.52	5.67	5.74	10 ^{2.15}
107	186	1/2 ⁺	7/2 ⁺	0.82	1.03	1471.29	7.88	17.59				6.40	> 100	1.96	6.14	5.43	10 ^{3.92}
108	187	1/2 ⁺		0.81	1.03	1480.67	9.38	17.26				4.12	> 100	2.19	6.61	5.37	10 ^{3.88}
109	188	1/2 ⁺	3/2 ⁻	0.83	1.03	1488.16	7.49	16.87				4.59	> 100	2.59	7.15	5.28	10 ^{4.65}
110	189	1/2 ⁺		0.86	1.03	1497.26	9.09	16.59				2.31	> 100	3.72	8.23	5.10	10 ^{5.26}
111	190	1/2 ⁺	5/2 ⁺	0.88	1.02	1504.55	7.30	16.39				3.76	> 100	4.21	8.96	4.75	10 ^{7.54}
112	191	1/2 ⁺		0.89	1.01	1513.38	8.83	16.12				1.53	> 100	4.29	9.85	3.94	10 ^{12.75}
113	192	1/2 ⁺	5/2 ⁺	0.90	0.99	1520.45	7.07	15.89				2.99	> 100	4.75	10.30	3.44	10 ^{17.42}
114	193	1/2 ⁺		0.91	0.98	1529.07	8.62	15.69				0.78	> 100	4.85	11.15	2.76	> 10 ²⁰
115	194	1/2 ⁺	3/2 ⁺	0.91	0.94	1535.90	6.83	15.45				±	±	5.27	11.64	2.54	> 10 ²⁰
116	195	1/2 ⁺		0.91	0.92	1544.30	8.40	15.23				0.10	> 100	5.34	12.35	1.92	> 10 ²⁰
117	196	1/2 ⁺	1/2 ⁺	0.93	0.88	1550.94	6.64	15.04	100.00	0.00	0.00	±	±	5.76	12.95	1.62	> 10 ²⁰
118	197	1/2 ⁺		0.92	0.86	1559.07	8.13	14.77				...	β-stable	5.83	13.71	1.17	> 10 ²⁰
119	198	1/2 ⁺	1/2 ⁻	0.92	0.82	1565.42	6.35	14.48	100.00	0.00	0.00	±	±	6.38	14.45	0.87	> 10 ²⁰
120	199	1/2 ⁺		0.92	0.79	1573.12	7.69	14.05	100.00	0.00	0.00	0.41	> 100	6.37	15.38	0.54	> 10 ²⁰
121	200	1/2 ⁺	1/2 ⁻	0.92	0.77	1579.51	6.39	14.09	100.00	0.00	0.00	2.26	> 100	6.84	15.85	-0.24	
122	201	1/2 ⁺		0.92	0.76	1586.86	7.36	13.75	100.00	0.00	0.00	1.12	> 100	6.88	16.39	-0.83	
123	202	1/2 ⁺	3/2 ⁻	0.92	0.78	1592.76	5.89	13.25	100.00	0.00	0.00	3.13	> 100	7.28	16.83	-0.80	
124	203	1/2 ⁺		0.92	0.79	1599.82	7.06	12.96	100.00	0.00	0.00	2.05	> 100	7.37	17.33	-1.04	
125	204	1/2 ⁺	1/2 ⁻	0.92	0.77	1605.61	5.80	12.86	100.00	0.00	0.00	3.80	> 100	7.80	17.82	-1.40	
126	205	3/2 ⁺		0.92	0.89	1612.01	6.39	12.19	100.00	0.00	0.00	3.34	> 100	7.93	18.33	-1.22	
127	206	1/2 ⁺	9/2 ⁺	0.92	0.80	1615.52	3.51	9.90	100.00	0.00	0.00	6.58	> 100	8.20	18.77	0.58	> 10 ²⁰
128	207	1/2 ⁺		0.92	0.76	1620.44	4.93	8.43	99.65	0.35	0.00	5.31	> 100	8.33	19.17	1.53	> 10 ²⁰
129	208	1/2 ⁺	7/2 ⁺	0.92	0.78	1623.43	2.99	7.91	95.05	4.95	0.00	7.61	> 100	8.88	19.71	1.62	> 10 ²⁰
130	209	1/2 ⁺		0.91	0.82	1627.71	4.28	7.27	9.23	90.77	0.00	6.35	87.7466	8.77	19.97	1.86	> 10 ²⁰
131	210	1/2 ⁺	11/2 ⁺	0.91	0.85	1630.49	2.78	7.06	86.62	13.37	0.00	8.27	0.3526	9.13	20.52	1.52	> 10 ²⁰
132	211	1/2 ⁺		0.91	0.87	1634.70	4.21	6.99	1.21	98.79	0.00	6.88	4.8270	9.17	20.91	1.33	> 10 ²⁰
133	212	1/2 ⁺	5/2 ⁺	0.90	0.89	1637.50	2.80	7.01	1.17	97.88	0.94	8.69	4.7745	9.69	21.46	0.76	> 10 ²⁰
134	213	1/2 ⁺		0.90	0.90	1641.61	4.11	6.91	0.71	99.29	0.00	7.28	1.3698	9.70	21.72	0.48	> 10 ²⁰
135	214	3/2	3/2	0.92	0.82	1644.23	2.63	6.74	22.20	77.33	0.47	9.22	0.4420	9.90	21.85	0.10	> 10 ²⁰
136	215	3/2		0.92	0.83	1648.31	4.08	6.70	0.14	99.85	0.00	7.59	0.4257	9.91	22.15	-0.12	
137	216	3/2	1/2	0.93	0.81	1650.90	2.59	6.67	1.55	97.66	0.79	9.36	0.3553	10.12	22.48	-0.22	
138	217	3/2		0.92	0.82	1654.97	4.07	6.66	0.12	99.88	0.00	7.70	0.3197	10.11	22.80	-0.51	
139	218	3/2 ⁺	5/2 ⁺	0.95	0.78	1657.59	2.62	6.68	24.49	74.21	1.30	9.45	0.1737	10.41	23.02	-0.87	
140	219	1/2 ⁻		0.96	0.75	1661.60	4.01	6.62	2.51	97.44	0.04	8.11	0.2048	10.41	23.32	-1.13	
141	220	1/2 ⁻	5/2 ⁻	0.99	0.73	1664.30	2.70	6.71	5.49	91.93	2.58	9.80	0.2068	10.74	23.60	-1.43	
142	221	11/2 ⁻		1.00	0.72	1668.10	3.81	6.51	0.67	99.18	0.15	8.79	0.0958	10.69	23.88	-1.54	
143	222	11/2 ⁻	5/2 ⁺	0.99	0.73	1670.70	2.59	6.40	13.05	81.60	5.35	10.36	0.0749	11.03	24.20	-1.71	
144	223	11/2 ⁻		0.99	0.72	1674.49	3.79	6.39	1.46	98.22	0.31	9.16	0.0798	11.06	24.64	-1.97	
145	224	11/2 ⁻	1/2 ⁺	0.99	0.70	1676.99	2.50	6.30	13.88	66.40	19.72	10.81	0.0608	11.37	24.96	-2.20	
146	225	11/2 ⁻		0.99	0.70	1680.56	3.56	6.07	0.62	98.63	0.75	9.77	0.0511	11.38	25.33	-2.41	
147	226	11/2 ⁻	7/2 ⁻	0.99	0.69	1682.93	2.37	5.93	9.11	51.29	39.60	11.31	0.0465	11.72	25.59	-2.59	
148	227	11/2 ⁻		0.98	0.68	1686.33	3.41	5.78	0.00	93.10	6.85	10.29	0.0357	11.71	25.94	-2.81	
149	228	11/2 ⁻	7/2 ⁺	0.98	0.68	1688.56	2.22	5.63	1.97	60.17	37.79	11.84	0.0267	12.06	26.23	-2.92	
150	229	11/2 ⁻		0.97	0.68	1691.77	3.21	5.44	0.00	91.78	7.96	10.85	0.0251	12.08	26.60	-3.08	
151	230	11/2 ⁻	9/2 ⁻	0.97	0.69	1693.77	2.00	5.21	0.00	14.76	84.93	12.38	0.0245	12.39	26.92	-3.15	
152	231	3/2 ⁻		0.97	0.67	1696.74	2.96	4.97	0.58	37.77	61.15	11.42	0.0229	12.43	27.30	-3.27	
153	232	11/2 ⁻	7/2 ⁺	0.96	0.69	1698.28	1.54	4.51	0.51	11.86	86.18	13.18	0.0153	12.74	27.62	-3.13	
154	233	11/2 ⁻		0.96	0.69	1700.94	2.66	4.20	0.01	28.10	61.77	12.06	0.0147	12.76	28.00	-3.21	
155	234	11/2 ⁻	1/2 ⁺	0.95	0.70	1702.45	1.51	4.17	3.89	0.48	82.09	13.54	0.0132	13.10	28.48	-3.49	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 79 (Au)																	
156	235	1/2 ⁻		0.93	0.72	1704.93	2.48	3.99	0.08	7.08	27.79	12.46	0.0123	13.15	28.74	-3.69	
157	236	1/2 ⁻	1/2 ⁺	0.92	0.72	1706.27	1.35	3.83	0.63	3.01	27.53	14.03	0.0110	13.50	29.17	-4.01	
158	237	1/2 ⁻		0.92	0.71	1708.80	2.53	3.87	0.06	4.42	19.03	12.87	0.0097	13.57	29.49	-4.32	
159	238	3/2 ⁺	1/2 ⁺	0.91	0.70	1709.96	1.16	3.68	0.70	2.19	19.29	14.55	0.0084	13.65	29.57	-4.56	
160	239	1/2 ⁻		0.92	0.67	1712.63	2.67	3.83	0.00	4.88	12.97	13.18	0.0086	13.85	30.08	-5.02	
161	240	1/2 ⁻	3/2 ⁺	0.92	0.65	1713.91	1.28	3.95	0.37	1.80	18.22	14.79	0.0077	14.07	30.30	-5.23	
162	241	1/2 ⁻		0.93	0.63	1716.21	2.30	3.59	0.00	6.50	9.42	13.70	0.0070	14.12	30.68	-5.38	
163	242	3/2 ⁻	13/2 ⁻	0.92	0.66	1716.92	0.70	3.00	0.02	0.17	11.04	15.56	0.0057	14.42	31.00	-5.01	
164	243	3/2 ⁺		0.90	0.67	1718.23	1.31	2.01	0.75	0.74	2.66	15.09	0.0037	14.13	31.15	-4.39	
165	244	3/2 ⁺	15/2 ⁻	0.88	0.82	1716.35	-1.87	-0.56	0.00	...	...	16.94	0.0029	12.52	29.53	-2.14	
166	245	3/2 ⁺		0.88	0.80	1718.29	1.93	0.06	...	...	...	15.84	0.0023	13.01	30.34	-2.91	
167	246	3/2 ⁺	3/2 ⁺	0.88	0.79	1719.07	0.78	2.71	3.11	...	...	17.67	0.0022	15.76	31.01	-3.95	
168	247	3/2 ⁺		0.88	0.76	1721.27	2.20	2.98	2.60	0.92	0.09	16.50	0.0018	15.53	33.42	-5.03	
169	248	3/2 ⁺	15/2 ⁻	0.88	0.74	1721.70	0.43	2.63	2.45	0.50	0.48	18.62	0.0015	16.12	33.97	-5.35	
170	249	3/2 ⁺		0.88	0.72	1723.43	1.73	2.16	2.84	1.11	0.15	17.75	0.0012	16.59	35.07	-7.29	
171	250	1/2 ⁺	3/2 ⁺	0.90	0.66	1725.22	1.79	3.52	3.70	0.13	1.20	18.00	0.0022	18.23	35.58	-9.20	
172	251	1/2 ⁺		0.89	0.63	1726.66	1.44	3.23	4.58	0.67	0.25	17.08	0.0020	17.98	35.93	-10.01	
173	252	1/2 ⁺	3/2 ⁺	0.90	0.65	1727.01	0.35	1.79	5.46	0.46	0.75	18.56	0.0019	18.31	37.17	-9.08	
174	253	3/2 ⁺		0.87	0.66	1727.22	0.21	0.56	3.38	2.32	0.32	18.69	0.0010	17.15	36.61	-8.19	
175	254	3/2 ⁺	1/2 ⁺	0.87	0.65	1727.47	0.25	0.46	3.37	1.62	1.89	20.00	0.0010	17.50	36.87	-9.32	
176	255	1/2 ⁺		0.90	0.58	1729.62	2.15	2.40	8.17	0.09	0.04	18.20	0.0015	18.45	38.19	-10.71	
177	256	1/2 ⁺	1/2 ⁺	0.91	0.59	1729.73	0.10	2.26	1.25	7.05	0.28	19.58	0.0014	17.91	38.12	-10.83	
178	257	1/2 ⁺		0.90	0.57	1730.57	0.84	0.95	0.13	8.96	0.00	18.79	0.0013	18.00	38.58	-10.84	
179	258	1/2 ⁺	1/2 ⁺	0.88	0.60	1729.77	-0.80	0.04	0.04	0.00	9.42	20.78	0.0009	18.37	38.97	-9.86	
180	259	1/2 ⁺		0.88	0.58	1730.54	0.77	-0.03	0.00	...	...	19.38	0.0010	18.36		-10.25	
181	260	1/2 ⁺	3/2 ⁺	0.88	0.58	1730.19	-0.34	0.43	...	...	...	20.80	0.0010	18.69		-11.10	
182	261	1/2 ⁺		0.88	0.57	1730.65	0.46	0.12	0.00	...	...	19.98	0.0009	18.71			
183	262	1/2 ⁺	1/2 ⁺	0.88	0.60	1730.08	-0.57	-0.11	...	...	...	21.36	0.0009				
184	263	1/2 ⁺		0.88	0.68	1730.06	-0.02	-0.59	0.00	0.00	0.00	20.86	0.0007				
Z = 80 (Hg)																	
90	170			0.74	1.08	1304.70						9.13	0.1184	0.09	-0.90	7.42	10 ^{-4.42}
91	171		3/2 ⁻	0.76	1.08	1314.73	10.03					10.77	0.1902	0.11	-0.84	7.23	10 ^{-2.76}
92	172			0.79	1.08	1326.85	12.12	22.15				8.39	0.2016	0.57	-0.37	7.04	10 ^{-3.21}
93	173		5/2 ⁻	0.79	1.08	1336.64	9.79	21.91				9.99	0.2396	0.62	-0.07	7.22	10 ^{-2.71}
94	174			0.82	1.08	1348.47	11.82	21.61				7.66	0.3489	1.06	0.29	7.05	10 ^{-3.24}
95	175		13/2 ⁺	0.82	1.08	1358.01	9.55	21.37				9.23	0.6988	1.11	0.51	7.00	10 ^{-1.99}
96	176			0.82	1.08	1369.59	11.57	21.12				6.90	0.6504	1.56	0.94	6.89	10 ^{-2.68}
97	177		1/2 ⁻	0.82	1.08	1378.84	9.25	20.83				8.52	1.6066	1.57	1.12	6.96	10 ^{-1.87}
98	178			0.85	1.08	1390.13	11.29	20.54				6.27	1.1636	1.98	1.59	6.81	10 ^{-2.42}
99	179		3/2 ⁻	0.86	1.08	1399.18	9.05	20.34				7.83	0.9841	2.00	1.99	6.84	10 ^{-1.45}
100	180			0.87	1.08	1410.20	11.03	20.08				5.59	2.3237	2.42	2.34	6.63	10 ^{-1.76}
101	181		11/2 ⁺	0.87	1.08	1419.01	8.81	19.84				7.12	5.5931	2.44	2.86	6.47	10 ^{-0.11}
102	182			0.87	1.07	1429.81	10.79	19.60				4.84	5.3617	2.89	3.40	6.35	10 ^{-0.72}
103	183		1/2 ⁻	0.87	1.06	1438.34	8.53	19.33				6.38	2.0736	2.91	3.81	6.12	10 ^{1.29}
104	184			0.87	1.06	1448.88	10.54	19.07				4.04	13.8215	3.38	4.44	5.82	10 ^{1.47}
105	185		9/2 ⁺	0.87	1.05	1457.14	8.26	18.80				5.48	40.7520	3.44	4.90	5.69	10 ^{3.15}
106	186			0.88	1.06	1467.27	10.13	18.39				3.24	40.3577	3.86	5.38	5.47	10 ^{3.13}
107	187		7/2 ⁺	0.87	1.05	1475.24	7.97	18.09				4.65	> 100	3.95	5.91	5.30	10 ^{5.03}
108	188			0.88	1.06	1485.10	9.86	17.83				2.28	> 100	4.43	6.63	5.08	10 ^{5.10}
109	189		3/2 ⁻	0.88	1.05	1492.71	7.61	17.48				3.76	> 100	4.55	7.14	4.91	10 ^{7.13}
110	190			0.90	1.05	1502.30	9.59	17.20				1.47	> 100	5.04	8.76	4.47	10 ^{8.77}
111	191		5/2 ⁻	0.91	1.03	1509.68	7.38	16.97				2.92	> 100	5.13	9.34	4.18	10 ^{11.80}
112	192			0.93	1.03	1519.01	9.32	16.71				0.66	> 100	5.62	9.91	2.83	> 10 ²⁰
113	193		5/2 ⁺	0.94	1.01	1526.13	7.12	16.44				2.16	> 100	5.68	10.43	2.51	> 10 ²⁰
114	194			0.94	0.99	1535.20	9.07	16.19				...	β -stable	6.13	10.98	2.20	> 10 ²⁰
115	195		3/2 ⁺	0.95	0.96	1542.13	6.93	16.00				1.39	> 100	6.23	11.49	1.87	> 10 ²⁰
116	196			0.94	0.94	1551.06	8.93	15.86				...	β -stable	6.76	12.10	1.46	> 10 ²⁰

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 80$ (Hg)																	
117	197		1/2 ⁺	0.95	0.90	1557.64	6.59	15.52				0.64	> 100	6.70	12.46	1.29	> 10 ²⁰
118	198			0.95	0.87	1566.30	8.66	15.24				...	β -stable	7.23	13.06	0.95	> 10 ²⁰
119	199		1/2 ⁻	0.95	0.83	1572.74	6.44	15.10				...	β -stable	7.32	13.70	0.74	> 10 ²⁰
120	200			0.95	0.80	1580.98	8.24	14.68				...	β -stable	7.87	14.24	0.55	> 10 ²⁰
121	201		1/2 ⁻	0.94	0.78	1587.20	6.22	14.47				...	β -stable	7.70	14.54	0.13	> 10 ²⁰
122	202			0.92	0.76	1595.11	7.90	14.13				...	β -stable	8.24	15.13	-0.07	
123	203		3/2 ⁻	0.92	0.78	1601.09	5.98	13.88	100.00	0.00	0.00	0.71	> 100	8.33	15.61	-0.13	
124	204			0.90	0.79	1608.64	7.55	13.53				...	β -stable	8.82	16.18	-0.36	
125	205		1/2 ⁻	0.87	0.79	1614.56	5.93	13.47	100.00	0.00	0.00	1.26	> 100	8.95	16.75	-0.79	
126	206			0.87	0.90	1621.32	6.75	12.68	100.00	0.00	0.00	0.72	> 100	9.31	17.24	-0.57	
127	207		9/2 ⁺	0.87	0.80	1624.96	3.65	10.40	100.00	0.00	0.00	3.93	> 100	9.45	17.65	1.14	> 10 ²⁰
128	208			0.88	0.76	1630.25	5.28	8.93	100.00	0.00	0.00	2.65	> 100	9.81	18.14	2.12	> 10 ²⁰
129	209		9/2 ⁺	0.88	0.79	1633.28	3.03	8.31	100.00	0.00	0.00	4.94	> 100	9.85	18.73	2.34	> 10 ²⁰
130	210			0.88	0.83	1637.98	4.70	7.73	100.00	0.00	0.00	3.61	> 100	10.27	19.04	2.42	> 10 ²⁰
131	211		5/2 ⁺	0.88	0.86	1640.80	2.82	7.52	81.20	18.80	0.00	5.65	> 100	10.31	19.43	2.05	> 10 ²⁰
132	212			0.88	0.88	1645.41	4.61	7.43	92.34	7.66	0.00	4.36	41.7575	10.71	19.88	1.83	> 10 ²⁰
133	213		5/2 ⁺	0.88	0.90	1648.11	2.70	7.31	72.23	27.77	0.00	6.26	16.2664	10.61	20.30	1.55	> 10 ²⁰
134	214			0.88	0.91	1652.67	4.56	7.26	85.79	14.20	0.00	4.82	5.6793	11.06	20.77	1.16	> 10 ²⁰
135	215		9/2 ⁺	0.90	0.91	1655.11	2.44	7.01	95.85	4.15	0.00	6.85	0.2511	10.88	20.78	0.99	> 10 ²⁰
136	216			0.91	0.91	1659.48	4.37	6.81	93.51	6.49	0.00	5.36	0.7320	11.17	21.08	0.72	> 10 ²⁰
137	217		15/2 ⁻	0.92	0.92	1661.89	2.41	6.78	81.14	18.86	0.00	7.42	0.5658	10.99	21.11	0.74	> 10 ²⁰
138	218			0.92	0.93	1666.26	4.37	6.78	95.28	4.72	0.00	6.22	0.2098	11.29	21.40	0.43	> 10 ²⁰
139	219		5/2 ⁺	0.97	0.73	1668.93	2.67	7.04	82.65	17.35	0.00	7.84	0.1107	11.34	21.75	0.15	> 10 ²⁰
140	220			0.98	0.72	1673.31	4.38	7.05	73.69	26.31	0.00	6.14	0.2183	11.72	22.12	-0.15	
141	221		5/2 ⁻	0.99	0.72	1676.11	2.80	7.18	75.62	24.36	0.01	7.40	0.2974	11.81	22.56	-0.63	
142	222			1.00	0.71	1680.28	4.17	6.97	87.31	12.69	0.00	6.35	0.1653	12.17	22.86	-0.79	
143	223		5/2 ⁺	1.00	0.72	1682.86	2.59	6.76	78.05	21.95	0.00	7.93	0.1234	12.17	23.19	-1.02	
144	224			1.00	0.72	1687.02	4.15	6.74	66.43	33.57	0.00	6.71	0.1346	12.53	23.58	-1.31	
145	225		7/2 ⁻	1.00	0.70	1689.54	2.53	6.68	61.23	38.71	0.06	8.33	0.1279	12.55	23.92	-1.58	
146	226			1.00	0.69	1693.45	3.91	6.44	49.57	50.43	0.00	7.24	0.0944	12.89	24.28	-1.72	
147	227		5/2 ⁺	1.00	0.68	1695.85	2.39	6.30	51.37	48.38	0.25	8.77	0.0763	12.92	24.64	-1.93	
148	228			1.00	0.68	1699.61	3.76	6.16	44.39	55.60	0.02	7.77	0.0641	13.28	24.99	-2.14	
149	229		7/2 ⁺	0.99	0.68	1701.83	2.22	5.99	47.43	52.06	0.51	9.32	0.0408	13.28	25.34	-2.33	
150	230			0.98	0.68	1705.37	3.54	5.76	38.15	61.68	0.17	8.38	0.0405	13.60	25.68	-2.45	
151	231		9/2 ⁻	0.98	0.68	1707.37	2.00	5.54	12.17	86.49	1.34	9.93	0.0384	13.60	25.99	-2.58	
152	232			0.98	0.67	1710.68	3.31	5.31	19.98	79.74	0.28	8.98	0.0284	13.94	26.37	-2.69	
153	233		7/2 ⁺	0.97	0.69	1712.21	1.53	4.84	17.45	73.01	9.49	10.75	0.0213	13.94	26.68	-2.54	
154	234			0.97	0.68	1715.20	2.99	4.52	8.87	89.56	1.37	9.65	0.0204	14.26	27.02	-2.60	
155	235		1/2 ⁺	0.96	0.70	1716.60	1.40	4.39	9.29	26.10	64.21	11.22	0.0178	14.16	27.25	-2.78	
156	236			0.95	0.71	1719.52	2.92	4.32	4.40	89.22	5.85	10.10	0.0154	14.60	27.74	-3.05	
157	237		1/2 ⁺	0.94	0.71	1720.88	1.36	4.28	4.85	19.16	74.90	11.62	0.0139	14.61	28.11	-3.24	
158	238			0.94	0.70	1723.72	2.84	4.20	3.64	90.83	4.41	10.49	0.0122	14.93	28.49	-3.65	
159	239		11/2 ⁻	0.93	0.69	1725.03	1.30	4.14	1.57	10.02	87.25	12.02	0.0116	15.07	28.72	-3.95	
160	240			0.94	0.66	1727.92	2.89	4.19	2.66	91.14	4.77	10.84	0.0103	15.29	29.14	-4.39	
161	241		3/2 ⁺	0.95	0.63	1729.13	1.22	4.11	0.72	6.00	30.09	10.52	0.0349	15.22	29.29	-4.53	
162	242			0.95	0.63	1731.69	2.56	3.77	6.59	3.79	24.00	9.40	0.0317	15.47	29.59	-4.61	
163	243		13/2 ⁻	0.94	0.66	1732.54	0.85	3.40	0.98	13.52	10.71	11.30	0.0231	15.62	30.04	-4.40	
164	244			0.89	0.81	1732.52	-0.02	0.83	0.50	0.07	97.21	12.60	0.0041	14.29	28.42	-2.12	
165	245		5/2 ⁺	0.89	0.81	1733.34	0.83	0.81	0.81	0.12	68.31	14.34	0.0044	16.99	29.51	-2.56	
166	246			0.89	0.78	1735.95	2.61	3.43	0.60	0.08	72.52	12.85	0.0040	17.66	30.67	-3.56	
167	247		7/2 ⁺	0.90	0.79	1736.98	1.03	3.64	0.50	0.72	4.66	14.13	0.0048	17.92	33.68	-4.85	
168	248			0.91	0.76	1739.54	2.55	3.59	0.54	0.62	18.17	12.76	0.0043	18.27	33.80	-5.96	
169	249		1/2 ⁺	0.91	0.73	1740.39	0.86	3.41	0.90	0.37	8.05	14.22	0.0045	18.70	34.82	-8.79	
170	250			0.90	0.70	1742.44	2.04	2.90	0.68	1.38	6.39	13.08	0.0041	19.01	35.60	-8.40	
171	251		3/2 ⁺	0.90	0.67	1742.95	0.52	2.56	0.76	0.45	1.68	14.58	0.0041	17.73	35.96	-9.08	
172	252			0.90	0.64	1744.80	1.84	2.36	0.70	1.17	1.08	13.52	0.0039	18.14	36.12	-9.67	
173	253		3/2 ⁺	0.90	0.65	1745.12	0.33	2.17	1.75	0.31	2.59	15.16	0.0034	18.11	36.42	-9.84	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 80 (Hg)																	
174	254			0.90	0.63	1746.69	1.56	1.89	1.02	0.52	1.16	14.22	0.0031	19.47	36.61	−9.71	
175	255		5/2 ⁺	0.91	0.60	1747.04	0.36	1.92	0.55	0.33	1.51	15.58	0.0029	19.57	37.07	−10.04	
176	256			0.92	0.58	1748.53	1.48	1.84	1.08	0.34	0.78	14.69	0.0027	18.91	37.35	−10.15	
177	257		1/2 ⁺	0.91	0.59	1748.58	0.05	1.54	1.32	0.16	1.41	16.61	0.0020	18.85	36.76	−10.31	
178	258			0.91	0.57	1749.77	1.19	1.24	0.90	1.29	0.36	15.64	0.0021	19.20	37.20	−10.30	
179	259		1/2 ⁺	0.88	0.60	1749.14	−0.63	0.56	3.65	0.00	1.78	17.59	0.0016	19.37	37.74	−9.02	
180	260			0.88	0.58	1750.21	1.07	0.44	2.24	1.57	0.00	16.86	0.0015	19.67	38.03	−9.35	
181	261		3/2 ⁺	0.87	0.58	1749.85	−0.36	0.71	0.17	2.00	1.92	18.31	0.0014	19.66	38.35	−10.16	
182	262			0.86	0.56	1750.66	0.81	0.45	0.39	3.41	0.74	17.53	0.0014	20.01	38.72	−10.19	
183	263		1/2 ⁺	0.86	0.60	1750.14	−0.52	0.29	0.11	0.00	2.97	18.90	0.0013	20.06		−10.34	
184	264			0.86	0.68	1750.43	0.29	−0.23	0.00	...	...	18.30	0.0011	20.37		−10.19	
185	265		7/2 [−]	0.86	0.67	1748.39	−2.04	−1.75	0.00	0.00	...	20.63	0.0008				
186	266			0.86	0.65	1748.01	−0.38	−2.42	0.00	0.00	0.00	19.28	0.0009				
Z = 81 (Tl)																	
92	173	1/2 ⁺		0.83	1.12	1324.98						10.88	0.1072	−1.87	−1.30	7.92	10 ^{−4.73}
93	174	1/2 ⁺	5/2 [−]	0.87	1.11	1335.13	10.15					12.55	0.1232	−1.51	−0.89	7.78	10 ^{−3.97}
94	175	1/2 ⁺		0.89	1.10	1346.99	11.86	22.02				10.24	0.1792	−1.47	−0.42	7.59	10 ^{−3.74}
95	176	1/2 ⁺	1/2 [−]	0.91	1.10	1356.89	9.90	21.76				11.92	0.3616	−1.12	−0.02	7.43	10 ^{−2.92}
96	177	1/2 ⁺		0.91	1.09	1368.50	11.61	21.51				9.55	0.3394	−1.09	0.48	7.20	10 ^{−2.54}
97	178	1/2 ⁺	3/2 [−]	0.91	1.09	1378.21	9.70	21.32				11.14	0.3105	−0.63	0.94	7.00	10 ^{−1.51}
98	179	1/2 ⁺		0.90	1.09	1389.57	11.36	21.07				8.82	0.6911	−0.56	1.43	6.75	10 ^{−0.99}
99	180	1/2 ⁺	1/2 [−]	0.91	1.08	1398.98	9.41	20.77				10.44	0.4669	−0.20	1.81	6.59	10 ^{−0.05}
100	181	1/2 ⁺		0.91	1.08	1410.11	11.13	20.54				8.12	1.5255	−0.09	2.33	6.32	10 ^{0.62}
101	182	1/2 ⁺	13/2 ⁺	0.90	1.08	1419.27	9.15	20.28				9.76	3.8800	0.25	2.69	6.21	10 ^{1.43}
102	183	1/2 ⁺		0.91	1.08	1430.14	10.87	20.02				7.42	3.6526	0.33	3.21	5.95	10 ^{2.18}
103	184	1/2 ⁺	11/2 ⁺	0.90	1.08	1439.03	8.89	19.76				9.07	9.6011	0.69	3.60	5.84	10 ^{2.98}
104	185	1/2 ⁺		0.90	1.08	1449.57	10.55	19.44				6.78	8.9556	0.70	4.07	5.64	10 ^{3.56}
105	186	1/2 ⁺	9/2 ⁺	0.90	1.08	1458.27	8.69	19.24				8.22	29.5706	1.13	4.57	5.46	10 ^{4.80}
106	187	1/2 ⁺		0.90	1.09	1468.49	10.22	18.92				5.96	28.2596	1.22	5.08	5.31	10 ^{5.21}
107	188	1/2 ⁺	7/2 ⁺	0.90	1.09	1476.93	8.44	18.66				7.39	> 100	1.69	5.64	5.07	10 ^{6.81}
108	189	1/2 ⁺		0.90	1.09	1486.88	9.95	18.39				5.05	> 100	1.78	6.21	4.82	10 ^{7.89}
109	190	1/2 ⁺	5/2 ⁺	0.90	1.09	1495.03	8.15	18.11				6.49	> 100	2.32	6.87	4.55	10 ^{9.92}
110	191	1/2 ⁺		0.90	1.09	1504.75	9.72	17.87				4.15	> 100	2.45	7.49	4.21	10 ^{11.91}
111	192	1/2 ⁺	3/2 ⁺	0.90	1.09	1512.64	7.88	17.60				5.59	> 100	2.95	8.08	3.82	10 ^{15.30}
112	193	1/2 ⁺		0.90	1.09	1522.12	9.48	17.37				3.23	> 100	3.11	8.73	3.44	10 ^{18.50}
113	194	1/2 ⁺	1/2 ⁺	0.90	1.08	1529.67	7.55	17.03				4.75	> 100	3.54	9.22	3.18	> 10 ²⁰
114	195	1/2 ⁺		0.90	1.07	1538.97	9.30	16.85				2.37	> 100	3.77	9.90	2.71	> 10 ²⁰
115	196	1/2 ⁺	3/2 [−]	0.89	1.05	1546.37	7.40	16.71				3.90	> 100	4.24	10.47	2.37	> 10 ²⁰
116	197	1/2 ⁺		0.89	1.04	1555.28	8.91	16.31				1.58	> 100	4.23	10.98	2.08	> 10 ²⁰
117	198	1/2 ⁺	5/2 [−]	0.89	1.01	1562.44	7.16	16.07				3.07	> 100	4.80	11.50	1.75	> 10 ²⁰
118	199	1/2 ⁺		0.89	0.98	1571.06	8.61	15.77				0.90	> 100	4.76	11.99	1.54	> 10 ²⁰
119	200	1/2 ⁺	1/2 [−]	0.89	0.94	1578.01	6.95	15.57				2.19	> 100	5.27	12.59	1.23	> 10 ²⁰
120	201	1/2 ⁺		0.89	0.90	1586.30	8.29	15.25				0.12	> 100	5.32	13.19	1.06	> 10 ²⁰
121	202	1/2 ⁺	3/2 [−]	0.89	0.85	1593.08	6.78	15.07				±	±	5.88	13.57	0.63	> 10 ²⁰
122	203	1/2 ⁺		0.89	0.82	1601.02	7.93	14.72				...	β-stable	5.91	14.15	0.40	> 10 ²⁰
123	204	1/2 ⁺	1/2 [−]	0.90	0.77	1607.38	6.36	14.30	100.00	0.00	0.00	±	±	6.29	14.62	0.42	> 10 ²⁰
124	205	1/2 ⁺		0.91	0.75	1615.04	7.66	14.02				0.12		6.40	15.22	0.12	> 10 ²⁰
125	206	1/2 ⁺	1/2 [−]	0.91	0.80	1621.26	6.22	13.88	100.00	0.00	0.00	2.05	> 100	6.69	15.64	−0.20	
126	207	1/2 ⁺		0.91	0.90	1628.11	6.86	13.07	100.00	0.00	0.00	1.32	> 100	6.80	16.10	0.00	> 10 ²⁰
127	208	1/2 ⁺	9/2 ⁺	0.91	0.81	1632.12	4.00	10.86	100.00	0.00	0.00	4.51	> 100	7.15	16.60	1.79	> 10 ²⁰
128	209	1/2 ⁺		0.91	0.76	1637.44	5.32	9.33	100.00	0.00	0.00	3.28	> 100	7.19	17.00	2.87	> 10 ²⁰
129	210	1/2 ⁺	7/2 ⁺	0.91	0.79	1640.81	3.37	8.69	100.00	0.00	0.00	5.61	> 100	7.53	17.38	3.01	> 10 ²⁰
130	211	1/2 ⁺		0.91	0.83	1645.66	4.86	8.23	100.00	0.00	0.00	4.18	> 100	7.68	17.95	3.07	> 10 ²⁰
131	212	1/2 ⁺	5/2 ⁺	0.91	0.87	1648.98	3.32	8.18	99.99	0.01	0.00	6.17	> 100	8.19	18.49	2.74	> 10 ²⁰
132	213	1/2 ⁺		0.91	0.89	1653.58	4.60	7.92	4.87	95.13	0.00	4.77	> 100	8.17	18.88	2.42	> 10 ²⁰
133	214	1/2 ⁺	3/2 ⁺	0.90	0.92	1656.70	3.12	7.72	51.12	48.88	0.00	6.79	> 100	8.60	19.20	2.08	> 10 ²⁰
134	215	1/2 ⁺		0.90	0.93	1661.19	4.48	7.61	0.69	99.31	0.00	5.47	20.3847	8.52	19.58	1.81	> 10 ²⁰

N	A	Ω_p^π	Ω_n^π	Δ_{LNp} (MeV)	Δ_{LNn} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 81 (Tl)																	
135	216	1/2 ⁺	3/2 ⁺	0.90	0.94	1664.06	2.87	7.36	5.98	94.02	0.00	7.64	7.4199	8.94	19.83	1.74	> 10 ²⁰
136	217	1/2 ⁺		0.90	0.95	1668.53	4.47	7.34	0.23	99.77	0.00	6.32	1.7926	9.04	20.21	1.38	> 10 ²⁰
137	218	1/2	3/2	0.93	0.87	1671.70	3.17	7.64	30.82	69.18	0.00	8.01	2.1105	9.81	20.79	0.83	> 10 ²⁰
138	219	1/2		0.92	0.89	1675.99	4.29	7.46	0.16	99.84	0.00	6.68	0.8299	9.73	21.01	0.62	> 10 ²⁰
139	220	1/2	7/2	0.91	0.81	1678.67	2.68	6.97	1.12	98.81	0.07	8.66	0.4322	9.74	21.08	0.53	> 10 ²⁰
140	221	3/2 ⁺		0.96	0.73	1682.72	4.06	6.74	0.10	99.90	0.00	6.71	0.7102	9.41	21.13	0.54	> 10 ²⁰
141	222	3/2 ⁺	5/2 ⁻	0.97	0.73	1685.84	3.12	7.18	24.21	75.35	0.44	8.31	0.7101	9.74	21.55	0.04	> 10 ²⁰
142	223	3/2 ⁺		1.00	0.71	1690.01	4.16	7.28	24.01	75.99	0.00	7.31	0.4049	9.73	21.90	-0.12	
143	224	3/2 ⁺	5/2 ⁺	1.00	0.72	1692.95	2.94	7.10	52.58	47.37	0.04	9.01	0.2321	10.08	22.25	-0.35	
144	225	3/2 ⁺		1.00	0.72	1697.09	4.15	7.09	8.91	91.09	0.00	7.74	0.2961	10.08	22.60	-0.69	
145	226	3/2 ⁺	7/2 ⁻	1.00	0.71	1699.92	2.82	6.97	14.43	85.24	0.34	9.48	0.2445	10.37	22.92	-0.92	
146	227	3/2 ⁻		1.00	0.69	1703.83	3.92	6.74	8.65	91.35	0.01	8.45	0.1601	10.38	23.27	-1.05	
147	228	3/2 ⁻	5/2 ⁺	1.01	0.68	1706.60	2.77	6.68	27.69	70.87	1.44	10.00	0.1229	10.75	23.67	-1.31	
148	229	3/2 ⁻		1.00	0.67	1710.37	3.77	6.54	10.00	89.62	0.37	9.01	0.1023	10.76	24.04	-1.52	
149	230	3/2 ⁻	7/2 ⁺	1.00	0.68	1712.97	2.60	6.37	21.67	62.96	15.37	10.53	0.0619	11.14	24.41	-1.75	
150	231	3/2 ⁻		1.00	0.68	1716.52	3.55	6.15	3.82	95.50	0.69	9.59	0.0639	11.15	24.75	-1.89	
151	232	3/2 ⁻	9/2 ⁻	0.99	0.68	1718.88	2.35	5.91	0.99	44.49	54.51	11.13	0.0608	11.50	25.10	-2.02	
152	233	11/2 ⁻		0.99	0.67	1722.19	3.31	5.66	0.01	95.45	4.51	10.23	0.0380	11.51	25.45	-2.12	
153	234	3/2 ⁻	7/2 ⁺	0.99	0.69	1724.07	1.88	5.19	1.41	34.90	63.56	11.95	0.0333	11.85	25.79	-2.00	
154	235	3/2 ⁻		0.98	0.68	1727.04	2.97	4.85	0.63	45.83	53.26	10.86	0.0319	11.83	26.10	-2.00	
155	236	3/2 ⁻	1/2 ⁺	0.98	0.69	1728.84	1.80	4.77	5.92	8.86	84.28	12.38	0.0279	12.23	26.39	-2.27	
156	237	3/2 ⁻		0.97	0.70	1731.72	2.88	4.68	0.35	28.26	67.66	11.26	0.0243	12.20	26.79	-2.48	
157	238	3/2 ⁻	1/2 ⁺	0.95	0.71	1733.43	1.71	4.59	4.50	3.90	88.56	12.73	0.0210	12.55	27.16	-2.69	
158	239	3/2 ⁻		0.95	0.70	1736.26	2.83	4.54	0.29	19.89	77.23	11.63	0.0180	12.54	27.46	-3.04	
159	240	3/2 ⁺	1/2 ⁺	0.94	0.69	1737.97	1.71	4.54	3.62	2.56	90.98	13.07	0.0167	12.95	28.01	-3.40	
160	241	1/2 ⁺		0.90	0.87	1738.88	0.90	2.62	0.23	1.91	95.10	13.85	0.0030	10.96	26.25	-1.78	
161	242	1/2 ⁺	13/2 ⁻	0.89	0.86	1740.31	1.43	2.33	0.00	0.30	0.54	14.10	0.0079	11.17	26.39	-2.05	
162	243	1/2 ⁺		0.89	0.84	1743.05	2.75	4.18	0.40	0.05	1.11	12.82	0.0059	11.36	26.84	-2.13	
163	244	1/2 ⁺	1/2 ⁺	0.89	0.82	1744.34	1.28	4.03	0.47	0.09	0.05	14.63	0.0062	11.80	27.42	-2.13	
164	245	1/2 ⁺		0.90	0.80	1746.91	2.57	3.85	0.50	0.09	68.21	13.36	0.0046	14.39	28.68	-2.39	
165	246	1/2 ⁺	15/2 ⁻	0.89	0.78	1748.02	1.11	3.68	0.47	0.02	6.45	15.36	0.0045	14.67	31.66	-2.81	
166	247	1/2 ⁺		0.89	0.76	1750.33	2.32	3.43	0.54	0.26	1.47	14.01	0.0039	14.39	32.04	-3.81	
167	248	1/2 ⁺	3/2 ⁺	0.89	0.79	1751.52	1.18	3.50	0.74	0.18	0.32	15.49	0.0045	14.53	32.45	-6.87	
168	249	1/2 ⁺		0.89	0.78	1753.83	2.31	3.49	0.84	0.29	0.00	14.38	0.0037	14.29	32.56	-7.24	
169	250	1/2 ⁺	1/2 ⁺	0.88	0.77	1754.74	0.91	3.22	0.85	0.38	0.30	16.10	0.0035	14.35	33.04	-7.38	
170	251	1/2 ⁺		0.88	0.73	1756.75	2.01	2.92	1.08	0.45	0.00	15.01	0.0030	14.31	33.32	-7.19	
171	252	1/2 ⁺	3/2 ⁺	0.88	0.73	1757.53	0.78	2.79	1.14	0.02	0.75	16.62	0.0030	14.57	32.31	-7.54	
172	253	1/2 ⁺		0.88	0.73	1759.50	1.97	2.75	1.56	0.36	0.08	15.44	0.0028	14.70	32.84	-7.78	
173	254	1/2 ⁺	5/2 ⁺	0.88	0.71	1760.13	0.63	2.60	1.56	0.24	0.51	16.99	0.0027	15.00	33.11	-6.61	
174	255	1/2 ⁺		0.88	0.68	1761.84	1.71	2.34	2.18	0.51	0.12	15.92	0.0025	15.15	34.62	-6.88	
175	256	1/2 ⁺	1/2 ⁺	0.88	0.68	1762.43	0.59	2.31	2.86	0.02	0.61	17.34	0.0025	15.39	34.96	-7.12	
176	257	1/2 ⁺		0.88	0.62	1764.41	1.98	2.58	2.04	0.33	0.23	15.91	0.0027	15.89	34.79	-8.90	
177	258	1/2 ⁺	1/2 ⁺	0.88	0.63	1764.63	0.22	2.20	2.63	0.08	0.79	17.65	0.0022	16.05	34.90	-8.87	
178	259	1/2 ⁺		0.88	0.61	1765.94	1.31	1.53	4.03	0.45	0.23	16.89	0.0020	16.17	35.38	-8.03	
179	260	1/2 ⁺	1/2 ⁺	0.88	0.62	1766.30	0.35	1.66	4.64	0.54	0.60	18.32	0.0019	17.16	36.53	-8.27	
180	261	1/2 ⁺		0.89	0.59	1767.38	1.09	1.44	5.37	0.35	0.46	17.57	0.0017	17.17	36.84	-8.52	
181	262	1/2 ⁺	3/2 ⁺	0.89	0.57	1767.41	0.03	1.12	5.30	0.00	0.84	18.92	0.0016	17.56	37.22	-9.35	
182	263	1/2 ⁺		0.88	0.56	1768.26	0.84	0.88	0.26	6.71	0.00	18.16	0.0015	17.60	37.60	-9.42	
183	264	1/2 ⁺	1/2 ⁺	0.88	0.60	1767.95	-0.31	0.54	0.00	0.00	6.75	19.59	0.0014	17.81	37.87	-9.46	
184	265	1/2 ⁺		0.88	0.68	1768.24	0.29	-0.01	0.00	...	...	18.98	0.0012	17.81	38.18	-9.29	
185	266	1/2 ⁺	7/2 ⁻	0.88	0.67	1766.50	-1.74	-1.45	...	...	...	21.33	0.0009	18.11		-8.12	
186	267	1/2 ⁺		0.88	0.66	1766.14	-0.36	-2.10	0.00	0.00	0.00	19.93	0.0010	18.14		-7.79	
187	268	1/2	1/2	0.90	0.65	1763.99	-2.15	-2.51	0.00	0.00	0.00	22.06	0.0009				
188	269	1/2		0.90	0.67	1763.27	-0.73	-2.88	0.00	0.00	0.00	20.70	0.0009				
Z = 82 (Pb)																	
93	175		3/2 ⁻	1.03	1.12	1334.62						11.59	0.0822	-0.51	-2.02	8.40	10 ^{-5.36}
94	176			1.03	1.11	1346.98	12.36					9.12	0.1380	-0.01	-1.48	8.16	10 ^{-5.78}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 82 (Pb)																	
95	177		1/2 ⁻	1.02	1.10	1357.03	10.05	22.41				10.69	0.1421	0.14	-0.98	7.91	10 ^{-3.99}
96	178			1.02	1.10	1369.12	12.08	22.13				8.31	0.2815	0.61	-0.47	7.65	10 ^{-4.30}
97	179		7/2 ⁻	1.02	1.09	1378.85	9.73	21.82				9.94	0.4824	0.64	0.01	7.46	10 ^{-2.66}
98	180			1.03	1.08	1390.72	11.87	21.60				7.48	0.6188	1.15	0.59	7.16	10 ^{-2.77}
99	181		9/2	1.02	1.07	1400.19	9.47	21.34				9.14	0.3728	1.21	1.02	6.94	10 ^{-0.94}
100	182			1.03	1.07	1411.77	11.58	21.05				6.71	1.3770	1.66	1.57	6.65	10 ^{-0.96}
101	183		1/2 ⁺	1.02	1.07	1420.99	9.22	20.80				8.36	3.8985	1.73	1.98	6.48	10 ^{0.76}
102	184			1.03	1.06	1432.22	11.22	20.45				6.03	3.4661	2.08	2.41	6.28	10 ^{0.47}
103	185		3/2 ⁺	1.02	1.07	1441.14	8.92	20.15				7.65	9.2031	2.11	2.80	6.17	10 ^{2.01}
104	186			1.03	1.07	1452.12	10.98	19.90				5.37	10.0292	2.54	3.24	5.99	10 ^{1.71}
105	187		11/2 ⁺	1.03	1.08	1460.71	8.60	19.57				6.99	22.5510	2.45	3.57	5.92	10 ^{3.07}
106	188			1.03	1.09	1471.45	10.74	19.33				4.69	26.2945	2.96	4.18	5.72	10 ^{2.90}
107	189		5/2 ⁺	1.03	1.09	1479.85	8.40	19.14				6.24	76.0592	2.93	4.62	5.58	10 ^{4.64}
108	190			1.02	1.10	1490.28	10.43	18.83				3.97	96.8300	3.40	5.18	5.28	10 ^{5.07}
109	191		3/2 ⁺	1.02	1.10	1498.36	8.08	18.51				5.61	> 100	3.33	5.65	5.17	10 ^{6.76}
110	192			1.02	1.10	1508.64	10.27	18.36				3.21	> 100	3.89	6.34	4.76	10 ^{8.06}
111	193		1/2 ⁺	1.01	1.10	1516.45	7.82	18.09				4.88	> 100	3.82	6.77	4.55	10 ^{10.44}
112	194			1.01	1.10	1526.48	10.02	17.84				2.40	> 100	4.36	7.47	4.12	10 ^{12.47}
113	195		13/2 ⁺	1.01	1.10	1534.06	7.58	17.61				4.12	> 100	4.40	7.93	3.92	10 ^{15.13}
114	196			1.01	1.09	1543.80	9.73	17.32				1.79	> 100	4.83	8.60	3.51	10 ^{17.73}
115	197		1/2 ⁻	1.01	1.08	1551.17	7.38	17.11				3.33	> 100	4.80	9.05	3.25	> 10 ²⁰
116	198			1.00	1.06	1560.59	9.41	16.79				1.07	> 100	5.30	9.53	2.90	> 10 ²⁰
117	199		3/2 ⁻	1.00	1.04	1567.73	7.14	16.55				2.55	> 100	5.28	10.08	2.70	> 10 ²⁰
118	200			1.00	1.01	1576.83	9.11	16.25				0.39	> 100	5.78	10.53	2.52	> 10 ²⁰
119	201		3/2 ⁻	1.00	0.98	1583.80	6.97	16.08				1.72	> 100	5.79	11.06	2.14	> 10 ²⁰
120	202			0.99	0.94	1592.57	8.77	15.73				...	β -stable	6.26	11.58	2.03	> 10 ²⁰
121	203		3/2 ⁻	0.99	0.89	1599.33	6.76	15.53				0.91	> 100	6.24	12.12	1.71	> 10 ²⁰
122	204			0.99	0.84	1607.85	8.52	15.28				...	β -stable	6.83	12.74	1.43	> 10 ²⁰
123	205		1/2 ⁻	0.98	0.79	1614.37	6.53	15.05				...	β -stable	6.99	13.28	1.13	> 10 ²⁰
124	206			0.99	0.76	1622.53	8.15	14.68				...	β -stable	7.49	13.89	0.88	> 10 ²⁰
125	207		1/2 ⁻	1.00	0.81	1628.65	6.12	14.27				...	β -stable	7.39	14.08	0.74	> 10 ²⁰
126	208			1.00	0.91	1635.84	7.19	13.31				...	β -stable	7.73	14.52	1.09	> 10 ²⁰
127	209		9/2 ⁺	0.99	0.81	1639.94	4.10	11.29	100.00	0.00	0.00	0.81	> 100	7.82	14.97	2.92	> 10 ²⁰
128	210			0.99	0.77	1645.63	5.70	9.80	100.00	0.00	0.00	...	β -stable	8.19	15.38	3.98	10 ^{13.56}
129	211		3/2 ⁺	0.99	0.80	1649.06	3.43	9.13	100.00	0.00	0.00	1.90	> 100	8.26	15.79	4.20	10 ^{12.93}
130	212			0.99	0.84	1654.37	5.31	8.74	100.00	0.00	0.00	0.47	> 100	8.71	16.39	4.17	10 ^{12.05}
131	213		5/2	0.99	0.85	1657.57	3.19	8.50	100.00	0.00	0.00	2.66	> 100	8.58	16.77	4.01	10 ^{14.39}
132	214			0.99	0.89	1662.71	5.14	8.34	100.00	0.00	0.00	1.08	> 100	9.13	17.30	3.57	10 ^{17.14}
133	215		7/2	1.00	0.86	1665.88	3.17	8.31	100.00	0.00	0.00	3.17	> 100	9.18	17.77	3.21	> 10 ²⁰
134	216			1.00	0.88	1670.92	5.04	8.21	100.00	0.00	0.00	1.79	> 100	9.74	18.25	2.78	> 10 ²⁰
135	217		9/2	1.00	0.85	1674.06	3.14	8.19	100.00	0.00	0.00	3.80	> 100	10.01	18.95	2.34	> 10 ²⁰
136	218			1.00	0.87	1678.93	4.86	8.00	100.00	0.00	0.00	2.54	> 100	10.40	19.44	2.04	> 10 ²⁰
137	219		1/2	0.99	0.88	1681.88	2.95	7.82	100.00	0.00	0.00	4.43	1.2334	10.19	19.99	1.53	> 10 ²⁰
138	220			0.98	0.89	1686.54	4.66	7.62	100.00	0.00	0.00	3.19	8.2912	10.56	20.28	1.23	> 10 ²⁰
139	221		5/2 ⁺	0.96	0.72	1688.65	2.11	6.77	100.00	0.00	0.00	5.89	0.5135	9.99	19.73	1.53	> 10 ²⁰
140	222			0.98	0.72	1693.37	4.72	6.83	98.80	1.20	0.00	4.43	1.1768	10.65	20.06	1.18	> 10 ²⁰
141	223		5/2 ⁻	0.99	0.71	1696.54	3.16	7.89	98.71	1.29	0.00	6.03	1.0341	10.69	20.43	0.68	> 10 ²⁰
142	224			1.00	0.71	1701.18	4.64	7.80	99.87	0.13	0.00	4.91	0.6186	11.17	20.90	0.43	> 10 ²⁰
143	225		7/2 ⁻	1.01	0.71	1704.05	2.87	7.51	96.01	3.99	0.00	6.57	0.3328	11.10	21.18	0.36	> 10 ²⁰
144	226			1.01	0.71	1708.61	4.56	7.43	96.94	3.06	0.00	5.34	0.4187	11.52	21.59	-0.04	
145	227		1/2 ⁺	1.02	0.69	1711.50	2.89	7.46	93.32	6.68	0.00	7.01	0.2670	11.59	21.96	-0.34	
146	228			1.02	0.69	1715.81	4.31	7.21	86.39	13.61	0.00	5.96	0.2484	11.98	22.36	-0.50	
147	229		5/2 ⁺	1.02	0.67	1718.60	2.79	7.10	77.53	22.47	0.00	7.46	0.1857	12.00	22.76	-0.76	
148	230			1.02	0.67	1722.72	4.12	6.91	74.22	25.78	0.00	6.50	0.1578	12.35	23.11	-0.97	
149	231		7/2 ⁺	1.01	0.67	1725.33	2.61	6.72	72.62	27.37	0.00	8.02	0.0879	12.36	23.49	-1.18	
150	232			1.01	0.67	1729.23	3.90	6.51	52.51	47.49	0.00	7.09	0.0925	12.70	23.85	-1.32	
151	233		9/2 ⁻	1.01	0.67	1731.63	2.40	6.30	49.12	50.86	0.03	8.57	0.0870	12.75	24.26	-1.50	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 82 (Pb)																	
152	234			1.01	0.67	1735.23	3.60	6.01	46.52	53.46	0.02	7.70	0.0604	13.05	24.55	-1.56	
153	235		7/2 ⁺	1.00	0.69	1737.11	1.88	5.48	32.48	66.83	0.69	9.47	0.0425	13.05	24.90	-1.45	
154	236			1.00	0.68	1740.44	3.32	5.20	13.70	86.19	0.11	8.37	0.0414	13.40	25.23	-1.46	
155	237		1/2 ⁺	0.99	0.69	1742.19	1.76	5.08	18.05	71.03	10.92	9.94	0.0339	13.35	25.59	-1.68	
156	238			0.98	0.69	1745.38	3.19	4.95	12.73	86.63	0.62	8.85	0.0306	13.66	25.86	-1.88	
157	239		1/2 ⁺	0.97	0.70	1747.11	1.73	4.92	10.87	47.53	41.50	10.35	0.0264	13.68	26.23	-2.21	
158	240			0.96	0.69	1750.26	3.15	4.88	6.45	91.48	1.93	9.25	0.0218	14.00	26.54	-2.44	
159	241		11/2 ⁻	0.96	0.68	1751.95	1.68	4.84	6.02	29.86	63.92	10.72	0.0211	13.97	26.92	-2.77	
160	242			0.92	0.86	1753.62	1.68	3.36	0.03	98.04	1.29	11.06	0.0041	14.75	25.71	-1.60	
161	243		13/2 ⁻	0.92	0.85	1755.09	1.46	3.14	0.00	0.04	99.31	11.29	0.0117	14.78	25.95	-1.76	
162	244			0.91	0.83	1758.18	3.10	4.56	0.06	4.21	95.02	9.90	0.0092	15.13	26.50	-1.97	
163	245		1/2 ⁺	0.91	0.81	1759.48	1.30	4.40	0.24	3.37	95.59	11.73	0.0096	15.15	26.95	-2.05	
164	246			0.92	0.79	1762.59	3.11	4.41	0.10	99.07	0.07	10.30	0.0080	15.69	30.08	-2.61	
165	247		1/2 ⁺	0.91	0.77	1763.56	0.97	4.07	0.29	0.18	98.55	12.20	0.0079	15.54	30.21	-2.73	
166	248			0.91	0.75	1766.23	2.67	3.64	0.21	98.45	0.07	11.14	0.0058	15.90	30.28	-5.42	
167	249		3/2 ⁺	0.90	0.79	1767.43	1.19	3.87	0.52	0.06	98.16	12.59	0.0069	15.91	30.44	-5.79	
168	250			0.91	0.77	1770.05	2.63	3.82	0.31	36.88	61.28	11.55	0.0053	16.23	30.52	-5.81	
169	251		1/2 ⁺	0.90	0.76	1770.97	0.92	3.55	0.67	0.12	96.30	13.23	0.0052	16.24	30.58	-5.69	
170	252			0.90	0.74	1773.37	2.39	3.32	0.35	4.04	93.59	12.09	0.0046	16.62	30.93	-5.54	
171	253		5/2 ⁺	0.90	0.74	1774.16	0.79	3.19	0.79	0.08	97.02	13.63	0.0047	16.63	31.21	-5.47	
172	254			0.90	0.72	1776.34	2.17	2.97	0.44	0.10	35.38	12.60	0.0041	16.84	31.54	-5.60	
173	255		5/2 ⁺	0.90	0.71	1776.97	0.64	2.81	0.75	0.09	4.62	14.19	0.0039	16.85	31.85	-5.72	
174	256			0.89	0.68	1778.99	2.01	2.65	0.57	0.16	3.01	13.13	0.0036	17.15	32.30	-5.90	
175	257		5/2 ⁺	0.89	0.68	1779.55	0.56	2.57	0.92	0.18	1.82	14.58	0.0035	17.11	32.50	-6.12	
176	258			0.90	0.66	1781.50	1.96	2.51	0.76	0.22	0.24	13.50	0.0034	17.09	32.97	-6.52	
177	259		1/2 ⁺	0.90	0.64	1782.05	0.55	2.51	0.32	0.57	0.11	15.06	0.0032	17.42	33.47	-6.72	
178	260			0.91	0.62	1783.83	1.78	2.33	0.41	0.60	0.06	13.92	0.0032	17.89	34.06	-7.01	
179	261		1/2 ⁺	0.92	0.62	1784.17	0.33	2.11	0.99	0.34	0.34	15.26	0.0030	17.87	35.03	-7.29	
180	262			0.92	0.59	1785.55	1.38	1.72	0.52	0.64	0.17	14.60	0.0024	18.17	35.34	-7.48	
181	263		3/2 ⁺	0.92	0.57	1785.63	0.08	1.47	0.57	0.00	0.71	15.95	0.0024	18.22	35.78	-8.20	
182	264			0.92	0.56	1786.76	1.12	1.21	0.71	0.72	0.30	15.17	0.0022	18.50	36.10	-8.25	
183	265		1/2 ⁺	0.91	0.60	1786.44	-0.32	0.81	0.03	0.71	0.72	16.61	0.0021	18.49	36.30	-8.29	
184	266			0.91	0.68	1787.05	0.61	0.29	0.00	...	...	15.99	0.0017	18.81	36.62	-8.09	
185	267		7/2 ⁻	0.91	0.67	1785.29	-1.76	-1.14	...	...	...	18.32	0.0013	18.79	36.90	-6.86	
186	268			0.91	0.66	1785.27	-0.03	-1.78	0.00	0.00	0.00	16.92	0.0015	19.12	37.26	-6.54	
187	269		1/2	0.93	0.65	1783.19	-2.08	-2.10	0.00	0.00	0.00	18.99	0.0013	19.20		-6.50	
188	270			0.94	0.65	1782.85	-0.34	-2.42	0.00	0.00	0.00	17.55	0.0013	19.58		-6.55	
189	271		5/2	0.94	0.66	1781.13	-1.72	-2.06	0.00	0.00	0.00	18.98	0.0013				
190	272			0.95	0.66	1780.88	-0.25	-1.97	0.00	0.00	0.00	17.81	0.0012				
191	273		7/2	0.95	0.66	1779.29	-1.58	-1.83	0.00	0.00	0.00	19.12	0.0013				
Z = 83 (Bi)																	
95	178	1/2 ⁻	7/2 ⁻	0.93	1.09	1353.46						14.88	0.0726	-3.58	-3.43	9.97	10 ^{-8.60}
96	179	1/2 ⁻		0.93	1.09	1365.58	12.12					12.49	0.0920	-3.54	-2.93	9.72	10 ^{-8.41}
97	180	1/2 ⁻	7/2 ⁻	0.92	1.09	1375.81	10.24	22.36				14.12	0.1380	-3.04	-2.39	9.37	10 ^{-7.31}
98	181	9/2 ⁻		0.92	1.08	1387.45	11.64	21.88				11.96	0.1609	-3.27	-2.12	9.35	10 ^{-7.60}
99	182	1/2 ⁻	9/2 ⁻	0.93	1.08	1397.64	10.19	21.83				13.35	0.1546	-2.55	-1.34	8.86	10 ^{-6.12}
100	183	9/2 ⁻		0.92	1.07	1409.11	11.47	21.66				11.10	0.3549	-2.66	-1.01	8.76	10 ^{-6.20}
101	184	9/2 ⁻	13/2 ⁺	0.92	1.07	1418.80	9.69	21.16				12.63	0.8099	-2.19	-0.46	8.47	10 ^{-5.13}
102	185	9/2 ⁻		0.91	1.07	1430.20	11.40	21.09				10.16	0.8835	-2.02	0.07	8.21	10 ^{-4.76}
103	186	9/2 ⁻	11/2 ⁺	0.91	1.07	1439.64	9.44	20.83				11.70	2.0916	-1.50	0.61	7.92	10 ^{-3.61}
104	187	9/2 ⁻		0.91	1.07	1450.70	11.06	20.50				9.23	2.3738	-1.42	1.12	7.73	10 ^{-3.39}
105	188	9/2 ⁻	9/2 ⁺	0.91	1.08	1459.84	9.14	20.20				10.83	5.3884	-0.88	1.57	7.49	10 ^{-2.28}
106	189	9/2 ⁻		0.91	1.08	1470.60	10.77	19.91				8.47	5.9501	-0.85	2.11	7.27	10 ^{-1.92}
107	190	9/2 ⁻	7/2 ⁺	0.91	1.08	1479.51	8.90	19.67				9.99	14.2261	-0.35	2.58	7.06	10 ^{-0.87}
108	191	9/2 ⁻		0.91	1.09	1490.01	10.50	19.40				7.57	17.5409	-0.28	3.12	6.78	10 ^{-0.23}
109	192	9/2 ⁻	5/2 ⁺	0.91	1.09	1498.63	8.62	19.12				9.23	38.2102	0.26	3.60	6.59	10 ^{0.82}
110	193	9/2 ⁻		0.91	1.09	1508.89	10.26	18.89				6.78	55.1928	0.25	4.14	6.28	10 ^{1.70}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 83 (Bi)																	
111	194	9/2 ⁻	3/2 ⁺	0.91	1.09	1517.23	8.34	18.60				8.47	> 100	0.77	4.60	6.10	10 ^{2.82}
112	195	9/2 ⁻		0.90	1.09	1527.23	10.00	18.34				6.05	> 100	0.75	5.12	5.81	10 ^{3.75}
113	196	9/2 ⁻	1/2 ⁺	0.90	1.08	1535.29	8.05	18.06				7.73	> 100	1.22	5.62	5.64	10 ^{4.89}
114	197	9/2 ⁻		0.90	1.07	1545.06	9.78	17.83				5.33	> 100	1.27	6.09	5.35	10 ^{6.03}
115	198	9/2 ⁻	3/2 ⁻	0.90	1.05	1552.95	7.89	17.66				6.86	> 100	1.78	6.58	5.01	10 ^{8.22}
116	199	9/2 ⁻		0.90	1.04	1562.41	9.46	17.35				4.53	> 100	1.83	7.13	4.85	10 ^{8.82}
117	200	9/2 ⁻	5/2 ⁻	0.90	1.01	1570.02	7.60	17.07				6.03	> 100	2.29	7.57	4.65	10 ^{10.43}
118	201	9/2 ⁻		0.90	0.98	1579.14	9.12	16.73				3.88	> 100	2.31	8.09	4.44	10 ^{11.51}
119	202	9/2 ⁻	1/2 ⁻	0.90	0.94	1586.55	7.40	16.53				5.24	> 100	2.74	8.54	4.19	10 ^{13.62}
120	203	9/2 ⁻		0.92	0.92	1595.37	8.82	16.22				3.18	> 100	2.80	9.06	3.98	10 ^{14.90}
121	204	9/2 ⁻	1/2 ⁻	0.90	0.86	1602.53	7.16	15.98				4.54	> 100	3.20	9.44	3.78	10 ^{17.00}
122	205	9/2 ⁻		0.92	0.82	1611.01	8.48	15.64				2.59	> 100	3.16	9.99	3.59	10 ^{18.34}
123	206	9/2 ⁻	1/2 ⁻	0.91	0.78	1617.88	6.88	15.36				3.86	> 100	3.51	10.50	3.50	10 ^{19.63}
124	207	9/2 ⁻		0.92	0.76	1626.04	8.15	15.03				1.83	> 100	3.51	11.00	3.28	> 10 ²⁰
125	208	9/2 ⁻	1/2 ⁻	0.92	0.81	1632.65	6.61	14.76				2.41	> 100	4.00	11.39	3.03	> 10 ²⁰
126	209	9/2 ⁻		0.92	0.90	1639.97	7.32	13.93				...	β -stable	4.13	11.85	3.37	> 10 ²⁰
127	210	9/2 ⁻	9/2 ⁺	0.91	0.81	1644.48	4.51	11.84	100.00	0.00	0.00	$\pm$	$\pm$	4.54	12.36	5.07	10 ^{7.88}
128	211	9/2 ⁻		0.91	0.77	1650.18	5.70	10.21	100.00	0.00	0.00	0.79	> 100	4.54	12.74	6.23	10 ^{1.92}
129	212	9/2 ⁻	7/2 ⁺	0.91	0.80	1654.07	3.89	9.59	100.00	0.00	0.00	3.07	> 100	5.00	13.26	6.35	10 ^{1.79}
130	213	9/2 ⁻		0.91	0.84	1659.44	5.38	9.27	100.00	0.00	0.00	1.60	> 100	5.07	13.78	6.29	10 ^{1.67}
131	214	1/2 ⁻	5/2 ⁺	0.90	0.86	1663.00	3.56	8.94	100.00	0.00	0.00	3.80	> 100	5.43	14.02	6.10	10 ^{2.81}
132	215	9/2 ⁻		0.91	0.90	1668.27	5.27	8.83	100.00	0.00	0.00	2.23	> 100	5.56	14.69	5.69	10 ^{4.32}
133	216	1/2	7/2	0.92	0.77	1671.94	3.67	8.93	100.00	0.00	0.00	4.26	> 100	6.06	15.23	5.34	10 ^{6.39}
134	217	1/2		0.92	0.79	1677.08	5.14	8.81	100.00	0.00	0.00	3.09	> 100	6.16	15.89	4.80	10 ^{9.15}
135	218	1/2	1/2	0.91	0.80	1680.68	3.60	8.75	100.00	0.00	0.00	5.06	4.1449	6.62	16.62	4.32	10 ^{12.70}
136	219	1/2		0.91	0.81	1685.52	4.84	8.45	99.98	0.02	0.00	3.71	83.3418	6.60	17.00	3.96	10 ^{15.12}
137	220	1/2	7/2	0.90	0.77	1688.95	3.43	8.27	99.96	0.04	0.00	5.58	7.7406	7.07	17.26	3.40	> 10 ²⁰
138	221	1/2		0.89	0.79	1693.76	4.80	8.23	98.10	1.90	0.00	4.32	16.6858	7.21	17.77	3.06	> 10 ²⁰
139	222	1/2 ⁺	5/2 ⁺	0.94	0.73	1697.02	3.27	8.07	99.36	0.64	0.00	6.28	2.6160	8.37	18.36	2.97	> 10 ²⁰
140	223	1/2 ⁺		0.96	0.72	1701.79	4.77	8.03	95.29	4.71	0.00	5.20	4.6981	8.42	19.07	2.49	> 10 ²⁰
141	224	1/2 ⁺	5/2 ⁻	0.97	0.72	1705.31	3.52	8.28	90.00	10.00	0.00	6.86	4.0689	8.77	19.46	1.65	> 10 ²⁰
142	225	1/2 ⁺		1.00	0.70	1709.83	4.53	8.05	66.47	33.53	0.00	5.93	1.6123	8.66	19.83	1.18	> 10 ²⁰
143	226	1/2 ⁺	5/2 ⁺	1.01	0.71	1713.16	3.33	7.85	85.14	14.86	0.00	7.58	0.6913	9.11	20.22	0.98	> 10 ²⁰
144	227	3/2 ⁻		1.00	0.71	1717.73	4.57	7.89	56.48	43.52	0.00	6.42	1.0484	9.12	20.63	0.58	> 10 ²⁰
145	228	3/2 ⁻	5/2 ⁺	1.01	0.70	1720.99	3.27	7.83	74.27	25.73	0.00	8.10	0.5102	9.49	21.08	0.25	> 10 ²⁰
146	229	3/2 ⁺		1.02	0.69	1725.28	4.28	7.55	35.12	64.88	0.00	7.13	0.5211	9.47	21.45	0.11	> 10 ²⁰
147	230	3/2 ⁺	5/2 ⁺	1.03	0.67	1728.44	3.16	7.45	53.77	46.21	0.02	8.65	0.3429	9.84	21.84	-0.23	
148	231	3/2 ⁺		1.03	0.66	1732.57	4.13	7.29	26.04	73.96	0.00	7.76	0.2888	9.85	22.19	-0.44	
149	232	3/2 ⁺	7/2 ⁺	1.02	0.67	1735.53	2.96	7.09	36.86	63.05	0.09	9.28	0.1451	10.20	22.56	-0.63	
150	233	3/2 ⁺		1.02	0.67	1739.42	3.89	6.86	15.34	84.66	0.00	8.36	0.1574	10.20	22.90	-0.75	
151	234	3/2 ⁺	9/2 ⁻	1.02	0.68	1742.15	2.73	6.62	11.82	87.17	1.01	9.90	0.1490	10.52	23.27	-0.89	
152	235	1/2 ⁻		1.02	0.66	1745.80	3.65	6.38	1.16	98.51	0.34	9.03	0.1056	10.57	23.61	-0.98	
153	236	3/2 ⁺	7/2 ⁺	1.01	0.68	1748.02	2.22	5.87	5.81	57.63	36.57	10.77	0.0673	10.91	23.95	-0.85	
154	237	3/2 ⁺		1.01	0.68	1751.35	3.33	5.56	0.39	98.06	1.54	9.68	0.0693	10.92	24.32	-0.87	
155	238	3/2 ⁺	1/2 ⁺	1.00	0.70	1753.45	2.10	5.43	7.09	25.78	67.12	11.22	0.0540	11.26	24.61	-1.09	
156	239	3/2 ⁺		0.99	0.70	1756.68	3.22	5.32	0.42	60.73	38.78	10.08	0.0472	11.29	24.95	-1.34	
157	240	3/2 ⁺	1/2 ⁺	0.98	0.71	1758.72	2.05	5.27	5.91	10.67	83.14	11.55	0.0414	11.61	25.30	-1.59	
158	241	3/2 ⁻		0.97	0.70	1761.89	3.16	5.21	0.40	42.15	57.11	10.42	0.0335	11.63	25.63	-1.87	
159	242	3/2 ⁺	1/2 ⁺	0.97	0.69	1763.90	2.01	5.17	4.65	6.77	88.18	11.88	0.0321	11.95	25.93	-2.17	
160	243	1/2 ⁻		0.89	0.86	1765.59	1.70	3.71	0.02	98.20	0.18	12.20	0.0047	11.97	26.72	-1.04	
161	244	1/2 ⁻	13/2 ⁻	0.90	0.84	1767.30	1.71	3.40	0.01	0.01	98.45	13.91	0.0052	12.22	27.00	-1.03	
162	245	1/2 ⁻		0.90	0.82	1770.43	3.12	4.83	0.01	97.99	0.13	12.67	0.0039	12.24	27.38	-3.26	
163	246	1/2 ⁻	1/2 ⁺	0.89	0.80	1772.11	1.68	4.81	0.09	0.04	98.24	14.15	0.0049	12.63	27.77	-3.51	
164	247	9/2 ⁻		0.89	0.77	1774.97	2.87	4.55	0.01	0.03	96.88	11.58	0.0083	12.38	28.07	-3.63	
165	248	1/2 ⁻	1/2 ⁺	0.89	0.76	1776.59	1.61	4.48	0.23	0.02	10.29	13.33	0.0088	13.03	28.57	-3.96	
166	249	1/2 ⁻		0.89	0.74	1779.23	2.64	4.26	0.04	3.88	10.07	12.19	0.0068	13.00	28.90	-4.03	
167	250	1/2 ⁻	3/2 ⁺	0.89	0.77	1780.82	1.59	4.23	0.16	0.14	98.73	13.58	0.0084	13.40	29.30	-4.51	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 83 (Bi)																	
168	251	1/2 ⁻		0.89	0.76	1783.42	2.60	4.19	0.03	0.37	98.39	12.58	0.0064	13.36	29.59	-4.79	
169	252	1/2 ⁻	1/2 ⁺	0.88	0.74	1784.67	1.25	3.85	0.55	0.13	97.12	14.26	0.0061	13.70	29.93	-4.86	
170	253	1/2 ⁻		0.88	0.71	1787.01	2.33	3.59	0.00	0.30	12.73	13.16	0.0055	13.64	30.26	-4.88	
171	254	1/2 ⁻	3/2 ⁺	0.88	0.72	1788.15	1.14	3.48	0.01	0.45	3.55	14.69	0.0056	13.99	30.62	-5.12	
172	255	1/2 ⁻		0.88	0.72	1790.39	2.23	3.38	0.00	0.14	0.21	13.61	0.0049	14.05	30.89	-5.34	
173	256	1/2 ⁻	5/2 ⁺	0.88	0.70	1791.33	0.95	3.18	0.12	0.07	2.95	15.82	0.0034	14.36	31.21	-5.51	
174	257	1/2 ⁻		0.88	0.67	1793.34	2.01	2.95	0.00	0.18	0.06	14.16	0.0043	14.35	31.50	-5.54	
175	258	1/2 ⁻	5/2 ⁺	0.88	0.67	1794.21	0.88	2.88	0.00	0.00	0.46	15.61	0.0043	14.67	31.78	-5.79	
176	259	9/2 ⁻		0.88	0.66	1796.34	2.12	3.00	0.00	0.15	0.12	14.44	0.0042	14.83	31.92	-6.20	
177	260	9/2 ⁻	5/2 ⁺	0.88	0.64	1796.97	0.64	2.76	0.00	0.08	0.51	16.12	0.0036	14.92	32.34	-6.25	
178	261	9/2 ⁻		0.87	0.61	1798.64	1.67	2.31	0.00	0.23	0.17	15.13	0.0035	14.81	32.70	-5.93	
179	262	9/2 ⁻	1/2 ⁺	0.88	0.61	1799.37	0.73	2.40	0.00	0.18	0.25	16.39	0.0035	15.20	33.08	-6.45	
180	263	9/2 ⁻		0.89	0.58	1800.80	1.43	2.16	0.00	0.18	0.00	15.68	0.0031	15.25	33.42	-6.56	
181	264	7/2 ⁻	3/2 ⁺	0.89	0.57	1801.14	0.34	1.77	0.00	0.00	0.16	17.15	0.0028	15.51	33.73	-6.55	
182	265	7/2 ⁻		0.89	0.55	1802.26	1.12	1.46	0.00	0.05	0.00	16.35	0.0026	15.51	34.01	-6.59	
183	266	7/2 ⁻	1/2 ⁺	0.89	0.58	1802.26	0.00	1.12	0.00	0.00	0.05	17.80	0.0025	15.82	34.31	-6.55	
184	267	7/2 ⁻		0.89	0.67	1802.83	0.57	0.57	0.00	...	...	17.22	0.0020	15.78	34.59	-6.28	
185	268	7/2 ⁻	7/2 ⁻	0.89	0.67	1801.40	-1.43	-0.86	...	...	...	19.55	0.0014	16.11	34.90	-5.16	
186	269	7/2 ⁻		0.88	0.66	1801.40	-0.01	-1.44	0.00	0.00	0.00	18.12	0.0017	16.13	35.25	-4.86	
187	270	7/2	3/2	0.90	0.65	1799.62	-1.78	-1.79	0.00	0.00	0.00	20.23	0.0014	16.43	35.62	-4.82	
188	271	9/2		0.92	0.65	1799.32	-0.29	-2.07	0.00	0.00	0.00	18.85	0.0015	16.48	36.06	-4.88	
189	272	9/2	5/2	0.92	0.66	1797.91	-1.42	-1.71	0.00	0.00	0.00	20.27	0.0015	16.78		-5.62	
190	273	9/2		0.93	0.67	1797.63	-0.28	-1.69	0.00	0.00	0.00	19.28	0.0013	16.75		-6.07	
191	274	9/2	7/2	0.93	0.66	1796.39	-1.24	-1.52	0.00	0.00	0.00	20.59	0.0014	17.09			
192	275	9/2		0.93	0.66	1795.98	-0.41	-1.65	0.00	0.00	0.00	19.81	0.0010				
193	276	5/2 ⁺	5/2 ⁺	1.01	0.64	1792.15	-3.83	-4.24	0.00	0.00	0.00	21.16	0.0008				
Z = 84 (Po)																	
97	181		5/2 ⁻	1.07	0.95	1375.14						11.53	0.0918	-0.68	-3.71	10.19	10 ^{-8.77}
98	182			1.07	0.95	1387.72	12.58					9.14	0.1784	0.27	-3.00	9.69	10 ^{-8.79}
99	183		7/2 ⁺	1.05	0.93	1398.10	10.38	22.96				10.23	0.2506	0.46	-2.09	9.04	10 ^{-6.25}
100	184			1.04	0.92	1410.29	12.19	22.57				7.73	0.4337	1.18	-1.49	8.73	10 ^{-6.54}
101	185		1/2 ⁻	1.04	0.91	1420.28	9.99	22.18				9.14	0.3666	1.48	-0.71	8.21	10 ^{-4.08}
102	186			1.04	0.90	1431.93	11.65	21.64				6.93	0.6660	1.73	-0.29	8.14	10 ^{-4.96}
103	187		5/2 ⁻	1.04	0.89	1441.41	9.48	21.13				8.50	0.7127	1.77	0.27	7.88	10 ^{-3.13}
104	188			1.06	0.87	1452.47	11.06	20.55				6.58	1.0369	1.77	0.36	8.04	10 ^{-4.68}
105	189		7/2 ⁻	1.07	0.86	1461.44	8.96	20.02				8.39	0.5182	1.60	0.72	8.00	10 ^{-3.49}
106	190			1.07	0.86	1472.28	10.84	19.81				6.45	1.5836	1.67	0.83	8.13	10 ^{-4.94}
107	191		9/2 ⁺	1.08	0.86	1480.98	8.70	19.54				8.24	1.4769	1.47	1.12	8.03	10 ^{-3.58}
108	192			0.87	0.98	1492.04	11.07	19.77				5.80	6.1282	2.04	1.76	7.70	10 ^{-3.67}
109	193		5/2 ⁺	0.87	0.97	1500.63	8.58	19.65				7.48	6.4327	2.00	2.26	7.52	10 ^{-2.05}
110	194			0.91	1.10	1510.97	10.35	18.93				5.47	23.4324	2.08	2.34	7.60	10 ^{-3.36}
111	195		1/2 ⁻	0.88	1.06	1519.39	8.42	18.77				7.06	14.3612	2.16	2.94	7.27	10 ^{-1.21}
112	196			0.91	1.10	1529.67	10.28	18.69				4.83	39.5079	2.43	3.19	7.26	10 ^{-2.26}
113	197		1/2 ⁻	0.88	1.05	1537.89	8.22	18.50				6.39	27.3832	2.60	3.83	6.86	10 ^{0.20}
114	198			0.91	1.09	1547.95	10.06	18.28				4.22	79.6837	2.88	4.15	6.83	10 ^{-0.74}
115	199		1/2 ⁻	0.91	1.08	1555.80	7.86	17.92				5.83	90.7183	2.85	4.63	6.55	10 ^{1.36}
116	200			0.90	1.06	1565.72	9.92	17.78				3.51	> 100	3.31	5.14	6.37	10 ^{1.04}
117	201		3/2 ⁻	0.90	1.04	1573.33	7.60	17.52				5.03	> 100	3.31	5.60	6.14	10 ^{3.05}
118	202			0.90	1.01	1582.92	9.59	17.20				2.84	> 100	3.78	6.09	5.96	10 ^{2.78}
119	203		3/2 ⁻	0.90	0.98	1590.34	7.42	17.01				4.24	> 100	3.79	6.54	5.68	10 ^{5.15}
120	204			0.90	0.94	1599.58	9.24	16.67				2.16	> 100	4.22	7.02	5.54	10 ^{4.77}
121	205		3/2 ⁻	0.90	0.89	1606.77	7.19	16.44				3.45	> 100	4.25	7.45	5.32	10 ^{6.98}
122	206			0.90	0.84	1615.81	9.04	16.23				1.29	> 100	4.81	7.97	5.05	10 ^{7.44}
123	207		1/2 ⁻	0.89	0.79	1622.77	6.96	16.00				2.48	> 100	4.89	8.40	4.85	10 ^{9.68}
124	208			0.89	0.77	1631.36	8.58	15.54				0.51	> 100	5.32	8.83	4.79	10 ^{9.01}
125	209		1/2 ⁻	0.89	0.81	1637.98	6.62	15.21				1.21	> 100	5.33	9.33	4.69	10 ^{10.68}
126	210			0.89	0.91	1645.60	7.62	14.25				...	β -stable	5.64	9.77	5.22	10 ^{6.48}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 84 (Po)																	
127	211		9/2 ⁺	0.89	0.81	1650.18	4.58	12.20				...	β -stable	5.70	10.25	6.76	10 ^{0.59}
128	212			0.89	0.77	1656.36	6.17	10.75				...	β -stable	6.18	10.72	7.78	10 ^{-3.90}
129	213		7/2 ⁺	0.89	0.80	1660.26	3.90	10.07				0.21		6.19	11.19	7.97	10 ^{-3.42}
130	214			0.89	0.84	1666.01	5.76	9.66				...	β -stable	6.57	11.64	7.91	10 ^{-4.31}
131	215		5/2	0.89	0.81	1669.72	3.71	9.46	100.00	0.00	0.00	0.87	> 100	6.72	12.15	7.64	10 ^{-2.41}
132	216			0.89	0.83	1675.41	5.69	9.39				...	β -stable	7.14	12.70	7.26	10 ^{-2.26}
133	217		7/2	0.89	0.80	1679.38	3.97	9.66	100.00	0.00	0.00	1.50	> 100	7.45	13.50	6.48	10 ^{1.65}
134	218			0.88	0.80	1684.96	5.58	9.56	100.00	0.00	0.00	0.42	> 100	7.89	14.04	6.04	10 ^{2.43}
135	219		3/2	0.88	0.74	1688.45	3.48	9.07	100.00	0.00	0.00	2.53	17.0273	7.77	14.38	5.72	10 ^{4.95}
136	220			0.89	0.74	1693.75	5.30	8.79	100.00	0.00	0.00	1.63	> 100	8.23	14.82	5.47	10 ^{5.15}
137	221		3/2 ⁺	0.91	0.74	1697.29	3.54	8.84	100.00	0.00	0.00	3.57	3.2458	8.34	15.41	5.07	10 ^{8.38}
138	222			0.93	0.74	1702.52	5.23	8.77	100.00	0.00	0.00	2.25	27.6651	8.77	15.98	4.70	10 ^{9.56}
139	223		5/2 ⁺	0.95	0.71	1706.21	3.69	8.92	100.00	0.00	0.00	3.85	5.0302	9.19	17.56	3.97	10 ^{15.96}
140	224			0.96	0.72	1711.38	5.17	8.86	100.00	0.00	0.00	2.80	11.8400	9.59	18.01	3.46	10 ^{19.59}
141	225		5/2 ⁻	0.98	0.71	1714.99	3.60	8.78	100.00	0.00	0.00	4.46	8.7679	9.68	18.45	1.96	> 10 ²⁰
142	226			1.01	0.70	1719.96	4.97	8.58	100.00	0.00	0.00	3.50	3.2479	10.12	18.78	1.71	> 10 ²⁰
143	227		7/2 ⁻	1.02	0.71	1723.36	3.40	8.38	100.00	0.00	0.00	5.14	3.3009	10.20	19.32	1.47	> 10 ²⁰
144	228			1.02	0.70	1728.32	4.95	8.36	100.00	0.00	0.00	3.99	1.9789	10.59	19.71	1.15	> 10 ²⁰
145	229		1/2 ⁺	1.03	0.69	1731.62	3.31	8.26	100.00	0.00	0.00	5.67	0.9114	10.63	20.12	0.72	> 10 ²⁰
146	230			1.02	0.68	1736.30	4.68	7.99	99.98	0.02	0.00	4.69	0.8469	11.02	20.49	0.60	> 10 ²⁰
147	231		5/2 ⁺	1.03	0.67	1739.55	3.24	7.92	98.24	1.76	0.00	6.15	0.5525	11.11	20.94	0.25	> 10 ²⁰
148	232			1.03	0.66	1744.03	4.48	7.73	97.92	2.08	0.00	5.27	0.4714	11.46	21.31	0.08	> 10 ²⁰
149	233		7/2 ⁺	1.03	0.68	1747.01	2.98	7.46	94.19	5.81	0.00	6.77	0.2112	11.48	21.68	-0.11	
150	234			1.03	0.67	1751.27	4.26	7.24	87.42	12.58	0.00	5.86	0.2437	11.84	22.04	-0.25	
151	235		9/2 ⁻	1.03	0.67	1754.05	2.78	7.04	66.43	33.57	0.00	7.33	0.2267	11.89	22.42	-0.42	
152	236			1.03	0.66	1758.01	3.96	6.74	68.10	31.90	0.00	6.52	0.1388	12.21	22.78	-0.49	
153	237		7/2 ⁺	1.02	0.68	1760.25	2.24	6.20	56.72	43.28	0.01	8.40	0.0814	12.23	23.13	-0.32	
154	238			1.02	0.68	1763.89	3.64	5.88	36.64	63.36	0.00	7.15	0.0923	12.54	23.46	-0.37	
155	239		1/2 ⁺	1.02	0.69	1765.97	2.08	5.72	35.06	63.98	0.96	8.76	0.0710	12.52	23.78	-0.56	
156	240			1.01	0.69	1769.49	3.52	5.60	29.45	70.51	0.03	7.57	0.0657	12.81	24.11	-0.76	
157	241		1/2 ⁺	1.00	0.70	1771.52	2.03	5.55	18.69	79.84	1.47	9.10	0.0563	12.80	24.41	-1.03	
158	242			0.99	0.69	1775.00	3.47	5.51	18.66	81.15	0.19	8.00	0.0449	13.11	24.73	-1.32	
159	243		1/2 ⁺	0.99	0.68	1777.02	2.02	5.49	17.03	81.51	1.46	9.48	0.0410	13.12	25.07	-1.61	
160	244			0.99	0.66	1780.43	3.41	5.43	20.22	79.36	0.42	8.40	0.0352	14.84	26.81	-1.87	
161	245		3/2 ⁺	1.00	0.64	1782.32	1.89	5.30	17.22	80.67	2.11	9.93	0.0305	15.02	27.23	-2.08	
162	246			1.01	0.63	1785.47	3.16	5.05	20.19	78.14	1.66	8.97	0.0259	15.05	27.29	-3.55	
163	247		15/2 ⁻	0.88	0.80	1785.77	0.30	3.46	0.00	98.69	0.94	11.86	0.0057	13.66	26.29	-2.39	
164	248			0.88	0.78	1789.14	3.37	3.67	0.00	99.51	0.07	9.15	0.0116	14.16	26.55	-2.66	
165	249		1/2 ⁺	0.88	0.76	1790.64	1.50	4.87	0.30	0.00	99.20	10.81	0.0129	14.05	27.08	-2.86	
166	250			0.88	0.73	1793.61	2.97	4.47	0.09	99.28	0.03	9.68	0.0100	14.38	27.38	-2.73	
167	251		3/2 ⁺	0.88	0.77	1795.22	1.60	4.57	0.33	8.53	90.68	11.11	0.0121	14.40	27.79	-3.36	
168	252			0.87	0.75	1798.15	2.94	4.54	0.15	99.16	0.15	10.05	0.0093	14.73	28.10	-3.63	
169	253		3/2 ⁺	0.87	0.72	1799.38	1.23	4.17	0.47	5.31	93.38	11.82	0.0088	14.71	28.41	-3.66	
170	254			0.87	0.69	1802.06	2.68	3.91	0.31	98.56	0.07	10.75	0.0077	15.06	28.69	-3.71	
171	255		3/2 ⁺	0.87	0.70	1803.21	1.15	3.83	0.86	0.04	97.28	12.26	0.0078	15.06	29.05	-3.94	
172	256			0.87	0.62	1806.37	3.15	4.30	0.12	20.55	77.93	10.58	0.0111	15.98	30.03	-4.70	
173	257		5/2 ⁺	0.87	0.69	1806.72	0.35	3.51	0.44	1.80	94.95	13.61	0.0039	15.39	29.75	-4.26	
174	258			0.87	0.66	1809.04	2.32	2.68	0.02	4.05	93.91	11.71	0.0057	15.70	30.05	-4.41	
175	259		5/2 ⁺	0.87	0.67	1810.00	0.95	3.28	0.32	0.07	97.02	13.10	0.0056	15.78	30.45	-4.73	
176	260			0.87	0.65	1812.31	2.32	3.27	0.06	0.39	0.00	11.99	0.0059	15.98	30.81	-5.03	
177	261		5/2 ⁺	0.87	0.63	1812.99	0.68	3.00	0.40	0.16	8.39	13.70	0.0048	16.02	30.94	-5.15	
178	262			0.87	0.60	1814.98	1.98	2.66	0.13	0.27	1.89	12.69	0.0048	16.33	31.14	-5.18	
179	263		1/2 ⁺	0.87	0.61	1815.69	0.72	2.70	0.31	0.06	0.19	13.96	0.0045	16.32	31.53	-5.34	
180	264			0.87	0.58	1817.51	1.82	2.53	0.12	0.30	0.00	13.01	0.0041	16.71	31.96	-5.38	
181	265		3/2 ⁺	0.87	0.57	1817.83	0.32	2.13	0.01	0.12	0.30	14.48	0.0036	16.68	32.19	-5.36	
182	266			0.87	0.55	1819.27	1.45	1.76	0.00	0.59	0.00	13.69	0.0033	17.01	32.52	-5.43	
183	267		1/2 ⁺	0.87	0.59	1819.27	0.00	1.45	0.01	0.16	0.47	15.10	0.0031	17.01	32.83	-5.34	

N	A	Ω_p^π	Ω_n^π	Δ_{LNp} (MeV)	Δ_{LNn} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 84 (Po)																	
184	268			0.87	0.66	1820.17	0.90	0.90	0.00	1.71	0.17	14.54	0.0024	17.34	33.12	-5.12	
185	269		7/2 ⁻	0.87	0.68	1818.74	-1.44	-0.54	14.89	0.00	1.27	16.85	0.0018	17.33	33.44	-4.00	
186	270			0.87	0.66	1819.06	0.32	-1.11	0.00	0.00	...	15.42	0.0021	17.67	33.79	-3.71	
187	271		1/2	0.89	0.65	1817.39	-1.67	-1.35	0.00	0.00	...	17.45	0.0019	17.77	34.20	-3.80	
188	272			0.90	0.66	1817.39	0.00	-1.67	0.00	0.00	0.00	16.02	0.0019	18.07	34.54	-3.83	
189	273		5/2	0.91	0.66	1816.13	-1.27	-1.26	0.00	0.00	0.00	17.33	0.0021	18.22	35.00	-4.64	
190	274			0.91	0.66	1816.20	0.07	-1.19	0.00	0.00	0.00	16.20	0.0018	18.57	35.32	-5.06	
191	275		7/2	0.91	0.66	1815.01	-1.20	-1.12	0.00	0.00	0.00	17.61	0.0019	18.62	35.71	-5.58	
192	276			0.99	0.64	1812.52	-2.48	-3.68	0.00	0.00	0.00	17.30	0.0012	16.54		-3.35	
193	277		5/2 ⁺	1.00	0.64	1811.61	-0.92	-3.40	0.00	0.00	0.00	18.66	0.0012	19.46		-4.02	
194	278			1.00	0.63	1811.93	0.32	-0.59	0.00	0.00	0.00	17.71	0.0011				
195	279		1/2 ⁺	0.99	0.62	1810.69	-1.24	-0.92	0.00	0.00	...	19.28	0.0010				
Z = 85 (At)																	
99	184	3/2 ⁺	7/2 ⁺	1.05	0.93	1396.00						13.50	0.0937	-2.10	-1.64	8.11	10 ^{-3.37}
100	185	3/2 ⁺		1.01	0.92	1408.39	12.38					11.11	0.1409	-1.90	-0.72	7.36	10 ^{-1.40}
101	186	3/2 ⁺	1/2 ⁻	1.01	0.91	1418.81	10.42	22.80				12.34	0.1461	-1.48	0.00	7.13	10 ^{-0.28}
102	187	3/2 ⁺		1.00	0.91	1430.51	11.70	22.12				10.12	0.2181	-1.42	0.31	6.90	10 ^{0.21}
103	188	5/2 ⁺	5/2 ⁻	0.99	0.90	1440.33	9.82	21.52				11.36	0.3834	-1.08	0.69	6.77	10 ^{1.03}
104	189	5/2 ⁺		0.95	0.91	1451.55	11.22	21.04				9.11	0.5381	-0.92	0.85	6.95	10 ^{0.02}
105	190	3/2 ⁺	7/2 ⁻	1.06	0.87	1460.92	9.37	20.59				10.58	0.3293	-0.52	1.08	7.01	10 ^{0.13}
106	191	7/2 ⁻		0.88	0.98	1471.54	10.62	19.99				8.66	1.5690	-0.74	0.94	7.45	10 ^{-1.71}
107	192	7/2 ⁻	7/2 ⁺	0.88	0.97	1480.93	9.39	20.01				10.33	1.9118	-0.05	1.42	7.20	10 ^{-0.53}
108	193	7/2 ⁻		0.88	0.97	1491.74	10.82	20.21				8.10	2.4858	-0.30	1.74	7.15	10 ^{-0.70}
109	194	7/2 ⁻	5/2 ⁺	0.88	0.96	1500.78	9.03	19.85				9.42	3.6588	0.15	2.15	7.03	10 ^{0.09}
110	195	7/2 ⁻		0.88	0.97	1511.20	10.42	19.45				7.41	4.2155	0.22	2.30	7.11	10 ^{-0.53}
111	196	7/2 ⁻	3/2 ⁺	0.88	0.97	1519.79	8.59	19.01				9.10	5.1830	0.40	2.56	7.14	10 ^{-0.30}
112	197	7/2 ⁻		0.88	0.96	1529.93	10.15	18.74				7.17	5.6305	0.26	2.70	7.26	10 ^{-1.05}
113	198	7/2 ⁻	3/2 ⁻	0.88	0.95	1538.32	8.39	18.53				8.85	6.0437	0.43	3.03	7.21	10 ^{-0.54}
114	199	3/2 ⁻		0.91	1.00	1548.34	10.02	18.41				6.68	51.5309	0.39	3.28	7.19	10 ^{-0.83}
115	200	3/2 ⁻	1/2 ⁻	0.91	0.96	1556.68	8.34	18.36				8.26	38.8078	0.87	3.73	6.91	10 ^{0.53}
116	201	3/2 ⁻		0.92	0.98	1566.46	9.79	18.12				6.08	> 100	0.74	4.05	6.89	10 ^{0.22}
117	202	3/2 ⁻	1/2 ⁻	0.92	0.97	1574.57	8.11	17.90				7.56	73.1807	1.25	4.56	6.67	10 ^{1.41}
118	203	3/2 ⁻		0.93	0.98	1584.08	9.51	17.62				5.47	> 100	1.16	4.94	6.62	10 ^{1.24}
119	204	7/2 ⁻	1/2 ⁻	0.93	0.94	1592.12	8.03	17.54				6.69	> 100	1.78	5.57	6.20	10 ^{3.33}
120	205	3/2 ⁻		0.93	0.92	1601.09	8.98	17.01				4.90	> 100	1.51	5.73	6.34	10 ^{2.37}
121	206	7/2 ⁻	1/2 ⁻	0.92	0.85	1608.98	7.88	16.86				6.05	> 100	2.20	6.45	5.86	10 ^{4.83}
122	207	7/2 ⁻		0.93	0.82	1617.85	8.87	16.76				4.14	> 100	2.04	6.85	5.81	10 ^{4.73}
123	208	7/2 ⁻	1/2 ⁻	0.93	0.79	1625.12	7.27	16.14				5.46	> 100	2.35	7.24	5.70	10 ^{5.59}
124	209	7/2 ⁻		0.93	0.77	1633.70	8.58	15.85				3.49	> 100	2.35	7.66	5.60	10 ^{5.77}
125	210	7/2 ⁻	1/2 ⁻	0.93	0.81	1640.76	7.06	15.64				4.06	> 100	2.78	8.11	5.42	10 ^{7.03}
126	211	3/2 ⁻		0.94	0.90	1648.43	7.67	14.73				0.97	> 100	2.82	8.46	5.91	10 ^{4.29}
127	212	3/2 ⁻	1/2 ⁺	0.93	0.81	1653.39	4.96	12.63	100.00	0.00	0.00	±	±	3.20	8.90	7.56	10 ^{-1.70}
128	213	3/2 ⁻		0.93	0.77	1659.69	6.30	11.26				...	β-stable	3.33	9.51	8.57	10 ^{-5.00}
129	214	3/2 ⁻	3/2 ⁺	0.93	0.80	1664.01	4.32	10.62	100.00	0.00	0.00	±	±	3.75	9.94	8.77	10 ^{-5.16}
130	215	3/2 ⁻		0.93	0.84	1669.81	5.80	10.12				0.08		3.79	10.36	8.67	10 ^{-5.25}
131	216	3/2 ⁻	1/2 ⁺	0.91	0.86	1673.97	4.17	9.97	100.00	0.00	0.00	±	±	4.25	10.97	8.39	10 ^{-4.16}
132	217	3/2		0.90	0.77	1680.10	6.12	10.29	100.00	0.00	0.00	0.75	> 100	4.69	11.83	7.64	10 ^{-2.30}
133	218	3/2	1/2	0.86	0.73	1684.60	4.50	10.63	100.00	0.00	0.00	2.54	> 100	5.22	12.67	6.69	10 ^{1.32}
134	219	3/2		0.87	0.73	1690.19	5.59	10.09	100.00	0.00	0.00	1.74	> 100	5.23	13.11	6.37	10 ^{2.26}
135	220	3/2	3/2	0.87	0.73	1694.59	4.40	9.99	100.00	0.00	0.00	3.53	67.7105	6.15	13.91	5.64	10 ^{5.92}
136	221	3/2		0.88	0.73	1700.08	5.48	9.89	100.00	0.00	0.00	2.59	> 100	6.33	14.55	5.30	10 ^{7.35}
137	222	3/2	1/2	0.90	0.72	1703.99	3.91	9.40	100.00	0.00	0.00	4.43	3.3886	6.70	15.04	4.99	10 ^{9.46}
138	223	1/2		0.91	0.73	1709.28	5.29	9.20	100.00	0.00	0.00	3.21	8.2300	6.76	15.52	4.54	10 ^{11.95}
139	224	1/2 ⁺	5/2 ⁺	0.94	0.72	1713.40	4.12	9.41	100.00	0.00	0.00	4.86	4.7776	7.19	16.38	3.85	10 ^{17.69}
140	225	1/2 ⁺		0.96	0.72	1718.66	5.26	9.39	100.00	0.00	0.00	3.81	5.0649	7.28	16.87	3.39	> 10 ²⁰
141	226	1/2 ⁺	5/2 ⁻	0.98	0.71	1722.68	4.02	9.28	100.00	0.00	0.00	5.48	4.1526	7.69	17.37	2.64	> 10 ²⁰
142	227	3/2 ⁻		1.00	0.70	1727.72	5.05	9.06	99.80	0.20	0.00	4.54	11.2113	7.76	17.89	2.36	> 10 ²⁰

N	A	Ω_p^π	Ω_n^π	Δ_{LNp} (MeV)	Δ_{LNn} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 85$ (At)																	
143	228	1/2 ⁺	7/2 ⁻	1.02	0.71	1731.52	3.80	8.84	99.43	0.57	0.00	6.25	2.6775	8.16	18.36	2.08	> 10 ²⁰
144	229	1/2 ⁺		1.02	0.70	1736.51	4.99	8.78	96.44	3.56	0.00	5.18	1.8514	8.19	18.78	1.62	> 10 ²⁰
145	230	1/2 ⁺	1/2 ⁺	1.03	0.69	1740.21	3.70	8.69	97.65	2.35	0.00	6.84	0.8042	8.58	19.22	1.25	> 10 ²⁰
146	231	1/2 ⁺		1.03	0.68	1744.92	4.71	8.41	94.22	5.78	0.00	5.91	0.8269	8.61	19.64	1.11	> 10 ²⁰
147	232	1/2 ⁺	5/2 ⁺	1.03	0.67	1748.51	3.60	8.31	95.84	4.16	0.00	7.40	0.5526	8.97	20.08	0.78	> 10 ²⁰
148	233	1/2 ⁺		1.03	0.66	1752.99	4.48	8.08	78.67	21.33	0.00	6.53	0.4348	8.97	20.43	0.58	> 10 ²⁰
149	234	1/2 ⁺	7/2 ⁺	1.03	0.67	1756.35	3.35	7.83	82.32	17.68	0.00	8.03	0.2568	9.34	20.82	0.39	> 10 ²⁰
150	235	1/2 ⁺		1.03	0.67	1760.59	4.25	7.60	48.48	51.52	0.00	7.12	0.2684	9.33	21.17	0.27	> 10 ²⁰
151	236	1/2 ⁻	9/2 ⁻	1.04	0.67	1763.74	3.15	7.40	24.21	75.78	0.01	8.60	0.5059	9.70	21.59	0.08	> 10 ²⁰
152	237	1/2 ⁺		1.05	0.66	1767.86	4.12	7.27	32.27	67.73	0.00	7.64	0.1887	9.85	22.06	-0.14	
153	238	1/2 ⁻	7/2 ⁺	1.03	0.68	1770.26	2.40	6.52	26.74	72.29	0.97	9.71	0.1397	10.02	22.24	0.18	> 10 ²⁰
154	239	1/2 ⁻		1.03	0.68	1773.95	3.68	6.09	1.23	98.66	0.11	8.39	0.1872	10.06	22.59	0.14	> 10 ²⁰
155	240	1/2 ⁺	1/2 ⁺	1.02	0.70	1776.28	2.33	6.02	3.58	76.14	20.28	10.11	0.0769	10.31	22.83	0.04	> 10 ²⁰
156	241	1/2 ⁺		1.01	0.70	1779.84	3.56	5.89	1.29	98.38	0.33	8.96	0.1025	10.35	23.16	-0.19	
157	242	1/2 ⁺	11/2 ⁻	1.00	0.71	1782.21	2.37	5.93	0.86	36.13	63.01	10.41	0.0983	10.69	23.49	-0.47	
158	243	1/2 ⁺		0.99	0.70	1785.71	3.49	5.87	1.32	98.21	0.47	9.25	0.0726	10.71	23.82	-0.74	
159	244	1/2 ⁺	1/2 ⁺	0.99	0.69	1788.04	2.34	5.83	6.70	28.85	64.44	10.73	0.0672	11.03	24.14	-1.02	
160	245	1/2 ⁺		0.99	0.67	1791.46	3.42	5.76	1.08	98.21	0.70	9.64	0.0570	11.03	25.87	-1.28	
161	246	1/2 ⁺	3/2 ⁺	1.01	0.64	1793.66	2.19	5.61	6.48	23.47	70.03	11.21	0.0509	11.34	26.35	-1.46	
162	247	5/2 ⁻		1.02	0.63	1796.85	3.20	5.39	0.48	57.86	41.41	10.24	0.0446	11.38	26.43	-2.96	
163	248	3/2 ⁻	13/2 ⁻	0.89	0.79	1797.51	0.65	3.85	0.04	1.98	97.17	13.10	0.0073	11.74	25.40	-1.91	
164	249	3/2 ⁻		0.89	0.78	1800.67	3.16	3.82	0.02	98.73	0.13	11.85	0.0057	11.53	25.70	-1.95	
165	250	3/2 ⁻	15/2 ⁻	0.89	0.76	1802.51	1.84	5.00	0.00	0.04	99.62	12.07	0.0163	11.87	25.92	-2.10	
166	251	3/2 ⁻		0.89	0.73	1805.54	3.03	4.87	0.05	0.31	99.25	10.69	0.0146	11.93	26.31	-2.27	
167	252	3/2 ⁻	1/2 ⁺	0.89	0.75	1807.42	1.88	4.91	1.10	0.31	97.57	12.21	0.0164	12.20	26.60	-2.53	
168	253	3/2 ⁻		0.89	0.72	1810.42	3.00	4.88	0.06	25.75	73.69	11.20	0.0127	12.27	27.00	-2.89	
169	254	3/2 ⁻	3/2 ⁺	0.89	0.70	1812.04	1.61	4.62	0.44	0.43	98.34	12.87	0.0121	12.65	27.36	-2.92	
170	255	3/2 ⁻		0.88	0.67	1814.68	2.65	4.26	0.02	5.30	93.82	11.88	0.0101	12.62	27.68	-2.97	
171	256	3/2 ⁻	3/2 ⁺	0.88	0.68	1816.16	1.48	4.13	0.61	0.46	97.29	13.39	0.0102	12.95	28.01	-3.19	
172	257	7/2 ⁻		0.88	0.61	1819.55	3.39	4.86	0.14	5.81	38.27	11.48	0.0183	13.18	29.16	-4.25	
173	258	3/2 ⁻	5/2 ⁺	0.88	0.67	1819.97	0.42	3.81	0.29	0.26	96.82	14.79	0.0048	13.25	28.64	-3.52	
174	259	3/2 ⁻		0.88	0.65	1822.31	2.34	2.76	0.00	0.14	7.40	12.81	0.0075	13.27	28.97	-3.63	
175	260	3/2 ⁻	1/2 ⁺	0.88	0.65	1823.53	1.21	3.56	0.05	0.12	3.08	14.22	0.0076	13.53	29.31	-3.90	
176	261	7/2 ⁻		0.88	0.65	1825.91	2.38	3.60	0.00	0.65	0.02	13.06	0.0078	13.59	29.57	-4.27	
177	262	7/2 ⁻	1/2 ⁺	0.88	0.62	1826.88	0.97	3.36	0.03	0.44	0.57	14.95	0.0057	13.89	29.91	-4.37	
178	263	7/2 ⁻		0.88	0.60	1828.87	1.99	2.96	0.00	0.18	0.11	13.97	0.0054	13.89	30.23	-4.24	
179	264	7/2 ⁻	1/2 ⁺	0.88	0.60	1829.74	0.87	2.86	0.00	0.19	0.37	15.20	0.0056	14.04	30.36	-4.47	
180	265	7/2 ⁻		0.89	0.57	1831.52	1.79	2.66	0.00	0.17	0.08	14.30	0.0051	14.01	30.72	-4.59	
181	266	7/2 ⁻	3/2 ⁺	0.89	0.57	1832.18	0.65	2.44	0.00	0.00	0.21	15.70	0.0047	14.35	31.04	-4.51	
182	267	9/2 ⁻		0.89	0.55	1833.59	1.42	2.07	0.00	0.12	0.22	14.87	0.0045	14.32	31.33	-4.50	
183	268	5/2 ⁻	1/2 ⁺	0.89	0.59	1833.93	0.34	1.76	0.00	0.00	0.10	16.24	0.0043	14.66	31.67	-4.50	
184	269	5/2 ⁻		0.89	0.66	1834.80	0.87	1.21	0.00	0.35	1.32	15.71	0.0033	14.63	31.97	-4.24	
185	270	5/2 ⁻	7/2 ⁻	0.88	0.68	1833.69	-1.11	-0.24	12.91	0.00	4.54	18.00	0.0023	14.96	32.29	-3.14	
186	271	5/2 ⁻		0.88	0.66	1834.06	0.37	-0.74	0.00	...	...	16.52	0.0029	15.00	32.67	-2.93	
187	272	5/2	3/2	0.90	0.66	1832.63	-1.43	-1.06	0.00	0.00	...	18.67	0.0024	15.24	33.01	-2.93	
188	273	9/2		0.91	0.66	1832.67	0.04	-1.39	0.00	0.00	0.00	17.26	0.0024	15.28	33.35	-2.98	
189	274	5/2	1/2	0.92	0.66	1831.61	-1.06	-1.02	0.00	0.00	0.00	18.79	0.0023	15.49	33.71	-3.70	
190	275	5/2		0.93	0.67	1831.83	0.22	-0.84	0.00	0.00	0.00	17.62	0.0021	15.63	34.20	-4.21	
191	276	5/2 ⁻	3/2 ⁺	0.97	0.64	1829.05	-2.78	-2.57	0.00	0.00	0.00	20.86	0.0008	14.04	32.66	-2.84	
192	277	5/2 ⁻		0.98	0.64	1829.48	0.44	-2.35	0.00	0.00	0.00	18.44	0.0012	16.96	33.50	-3.56	
193	278	5/2 ⁻	5/2 ⁺	0.98	0.64	1828.86	-0.62	-0.19	0.00	0.00	0.00	19.81	0.0012	17.25	36.71	-4.17	
194	279	5/2 ⁻		0.99	0.63	1829.19	0.33	-0.29	0.00	0.00	0.00	18.90	0.0011	17.26		-4.91	
195	280	5/2 ⁻	1/2 ⁺	0.99	0.62	1828.48	-0.71	-0.38	...	...	...	20.25	0.0011	17.79		-8.04	
196	281	5/2 ⁻		0.98	0.62	1828.49	0.01	-0.70	0.00	0.00	0.00	19.39	0.0010				
197	282	5/2 ⁻	1/2 ⁻	0.99	0.62	1827.60	-0.89	-0.88				20.66					
$Z = 86$ (Rn)																	
100	186			1.00	0.92	1408.08						9.94	0.0976	-0.31	-2.21	7.94	10 ^{-3.60}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 86 (Rn)																	
101	187		1/2 ⁻	0.98	0.91	1418.58	10.50					11.15	0.0958	-0.23	-1.71	7.82	10 ^{-2.18}
102	188			0.99	0.91	1430.71	12.13	22.63				8.84	0.1593	0.20	-1.22	7.87	10 ^{-3.40}
103	189		5/2 ⁻	1.00	0.90	1440.64	9.93	22.07				10.12	0.2018	0.31	-0.77	7.94	10 ^{-2.53}
104	190			0.94	0.91	1452.24	11.60	21.53				7.90	0.3012	0.69	-0.23	7.98	10 ^{-3.73}
105	191		7/2 ⁻	1.05	0.88	1461.56	9.32	20.92				9.19	0.2621	0.64	0.13	8.14	10 ^{-3.14}
106	192			1.07	0.87	1472.74	11.17	20.50				7.41	0.5422	1.20	0.46	8.03	10 ^{-3.88}
107	193		9/2 ⁺	1.10	0.86	1481.80	9.06	20.23				9.17	0.5274	0.87	0.82	7.94	10 ^{-2.53}
108	194			0.88	0.96	1492.82	11.02	20.08				7.18	1.3123	1.07	0.77	7.76	10 ^{-3.05}
109	195		5/2 ⁺	0.88	0.96	1501.90	9.08	20.10				8.52	1.6775	1.12	1.27	7.38	10 ^{-0.76}
110	196			0.88	0.95	1512.78	10.88	19.96				6.22	2.5256	1.58	1.80	7.56	10 ^{-2.42}
111	197		3/2 ⁺	0.88	0.95	1521.51	8.73	19.61				7.64	3.0374	1.72	2.11	7.42	10 ^{-0.89}
112	198			0.88	0.96	1531.98	10.48	19.20				5.55	4.5468	2.05	2.31	7.29	10 ^{-1.52}
113	199		5/2 ⁻	0.89	0.95	1540.45	8.47	18.94				7.11	4.1937	2.13	2.56	7.24	10 ^{-0.28}
114	200			0.90	0.93	1550.65	10.20	18.67				5.25	6.3188	2.31	2.70	7.32	10 ^{-1.62}
115	201		3/2 ⁺	0.91	0.91	1558.89	8.24	18.44				6.79	7.4289	2.21	3.09	7.30	10 ^{-0.48}
116	202			0.94	0.96	1569.23	10.34	18.58				4.56	45.9578	2.77	3.51	7.01	10 ^{-0.55}
117	203		5/2 ⁻	0.93	0.93	1577.34	8.11	18.45				5.96	10.4064	2.77	4.01	6.76	10 ^{1.46}
118	204			0.94	0.92	1587.34	9.99	18.10				4.00	> 100	3.25	4.42	6.68	10 ^{0.69}
119	205		1/2 ⁻	0.94	0.89	1595.27	7.93	17.92				5.05	> 100	3.15	4.93	6.36	10 ^{3.07}
120	206			0.98	0.91	1604.70	9.44	17.36				3.49	> 100	3.61	5.12	6.51	10 ^{1.35}
121	207		1/2 ⁻	0.97	0.85	1612.42	7.72	17.15				4.65	> 100	3.44	5.64	6.22	10 ^{3.67}
122	208			0.98	0.84	1621.62	9.20	16.92				2.71	> 100	3.77	5.81	6.26	10 ^{2.42}
123	209		1/2 ⁻	0.97	0.79	1628.94	7.31	16.52				3.98	> 100	3.82	6.16	6.14	10 ^{4.02}
124	210			0.98	0.77	1637.98	9.04	16.36				2.00	> 100	4.28	6.62	6.13	10 ^{2.96}
125	211		1/2 ⁻	0.99	0.82	1645.05	7.08	16.12				2.59	> 100	4.29	7.07	6.01	10 ^{4.56}
126	212			0.99	0.90	1653.11	8.06	15.14				...	β -stable	4.68	7.51	6.54	10 ^{1.25}
127	213		9/2 ⁺	0.98	0.82	1658.09	4.98	13.04				0.81	> 100	4.71	7.91	8.18	10 ^{-3.26}
128	214			0.98	0.78	1664.77	6.67	11.65				...	β -stable	5.08	8.41	9.14	10 ^{-6.84}
129	215		3/2	0.98	0.79	1669.10	4.34	11.01				...	β -stable	5.09	8.84	9.38	10 ^{-6.35}
130	216			0.98	0.85	1675.44	6.33	10.67				...	β -stable	5.63	9.42	9.22	10 ^{-7.04}
131	217		5/2	0.93	0.76	1680.07	4.63	10.97				...	β -stable	6.09	10.35	8.48	10 ^{-4.10}
132	218			0.93	0.77	1686.36	6.29	10.92				...	β -stable	6.26	10.95	7.95	10 ^{-3.64}
133	219		1/2	0.86	0.72	1691.15	4.79	11.08	100.00	0.00	0.00	0.36	> 100	6.54	11.77	6.87	10 ^{1.04}
134	220			0.86	0.72	1697.34	6.20	10.99				...	β -stable	7.15	12.38	6.36	10 ^{1.99}
135	221		3/2	0.86	0.72	1701.89	4.54	10.74	100.00	0.00	0.00	1.21	> 100	7.29	13.44	5.79	10 ^{5.62}
136	222			0.88	0.71	1707.64	5.75	10.29				0.20		7.56	13.89	5.62	10 ^{5.38}
137	223		1/2	0.90	0.72	1711.70	4.07	9.82	100.00	0.00	0.00	2.13	30.5313	7.71	14.41	5.04	10 ^{9.63}
138	224			0.91	0.72	1717.47	5.77	9.84	100.00	0.00	0.00	0.95	> 100	8.20	14.95	4.57	10 ^{11.56}
139	225		3/2	0.93	0.72	1721.69	4.22	9.99	100.00	0.00	0.00	2.68	24.3626	8.29	15.48	3.89	10 ^{17.87}
140	226			0.96	0.71	1727.38	5.68	9.90	100.00	0.00	0.00	1.55	> 100	8.71	15.99	3.44	> 10 ²⁰
141	227		5/2 ⁻	0.98	0.71	1731.49	4.11	9.79	100.00	0.00	0.00	3.16	> 100	8.81	16.50	3.02	> 10 ²⁰
142	228			1.00	0.71	1736.99	5.50	9.61	100.00	0.00	0.00	2.11	34.0174	9.26	17.03	2.69	> 10 ²⁰
143	229		7/2 ⁻	1.01	0.71	1740.91	3.92	9.42	100.00	0.00	0.00	3.79	34.8820	9.39	17.54	2.38	> 10 ²⁰
144	230			1.02	0.69	1746.26	5.36	9.27	100.00	0.00	0.00	2.73	13.8298	9.75	17.95	1.99	> 10 ²⁰
145	231		1/2 ⁺	1.03	0.68	1750.04	3.78	9.13	100.00	0.00	0.00	4.35	4.5144	9.83	18.41	1.62	> 10 ²⁰
146	232			1.03	0.67	1755.13	5.09	8.87	100.00	0.00	0.00	3.41	4.8932	10.22	18.83	1.48	> 10 ²⁰
147	233		5/2 ⁺	1.03	0.67	1758.74	3.61	8.70	100.00	0.00	0.00	4.93	1.8609	10.23	19.20	1.18	> 10 ²⁰
148	234			1.03	0.66	1763.60	4.85	8.47	100.00	0.00	0.00	4.03	2.0128	10.60	19.57	1.00	> 10 ²⁰
149	235		7/2 ⁺	1.03	0.67	1766.93	3.33	8.19	99.86	0.14	0.00	5.55	0.6052	10.58	19.92	0.91	> 10 ²⁰
150	236			1.03	0.67	1771.56	4.63	7.96	99.99	0.01	0.00	4.64	0.8622	10.96	20.29	0.77	> 10 ²⁰
151	237		9/2 ⁻	1.04	0.67	1774.72	3.16	7.79	96.18	3.82	0.00	6.09	0.8287	10.97	20.67	0.58	> 10 ²⁰
152	238			1.05	0.66	1779.19	4.47	7.63	95.95	4.05	0.00	5.16	0.5174	11.33	21.18	0.37	> 10 ²⁰
153	239		7/2 ⁺	1.04	0.68	1781.56	2.37	6.84	85.40	14.60	0.00	7.30	0.1797	11.30	21.31	0.78	> 10 ²⁰
154	240			1.04	0.68	1785.61	4.05	6.42	61.67	38.33	0.00	6.06	0.2298	11.66	21.72	0.70	> 10 ²⁰
155	241		1/2 ⁺	1.04	0.69	1788.01	2.40	6.45	52.25	47.72	0.03	7.55	0.1935	11.73	22.04	0.53	> 10 ²⁰
156	242			1.03	0.69	1791.84	3.83	6.23	46.16	53.84	0.00	6.45	0.1573	12.00	22.35	0.35	> 10 ²⁰
157	243		1/2 ⁺	1.02	0.70	1794.18	2.34	6.17	41.77	58.17	0.07	7.97	0.1220	11.97	22.66	0.09	> 10 ²⁰

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 86$ (Rn)																	
158	244			1.01	0.69	1797.99	3.81	6.15	38.64	61.36	0.00	6.80	0.1070	12.28	22.99	-0.20	
159	245		1/2 ⁺	1.01	0.68	1800.32	2.34	6.14	37.89	61.97	0.14	8.24	0.0939	12.28	23.31	-0.50	
160	246			1.02	0.64	1804.08	3.76	6.10	37.01	62.99	0.00	7.19	0.0794	12.62	23.65	-0.79	
161	247		3/2 ⁺	1.02	0.64	1806.31	2.23	5.99	29.14	70.66	0.20	8.72	0.0660	12.65	23.99	-1.00	
162	248			1.03	0.63	1809.83	3.52	5.75	28.66	71.27	0.07	7.78	0.0540	12.98	24.36	-1.11	
163	249		13/2 ⁻	1.02	0.66	1811.75	1.92	5.44	21.08	78.03	0.89	9.37	0.0467	14.24	25.97	-1.13	
164	250			0.91	0.77	1813.79	2.05	3.96	3.00	96.18	0.80	9.59	0.0071	13.12	24.65	-0.02	
165	251		15/2 ⁻	0.91	0.75	1815.45	1.66	3.70	0.00	5.59	94.28	9.84	0.0196	12.94	24.81	-1.38	
166	252			0.91	0.72	1818.84	3.39	5.05	0.59	99.13	0.11	8.55	0.0166	13.30	25.23	-1.41	
167	253		1/2 ⁺	0.91	0.73	1820.84	2.00	5.39	1.70	97.46	0.65	9.93	0.0214	13.43	25.63	-1.91	
168	254			0.91	0.71	1824.12	3.28	5.28	0.55	99.17	0.26	8.86	0.0170	13.70	25.97	-2.21	
169	255		3/2 ⁺	0.91	0.69	1825.79	1.66	4.94	1.03	98.30	0.61	10.56	0.0162	13.75	26.40	-2.27	
170	256			0.90	0.67	1828.76	2.98	4.64	0.54	98.91	0.41	9.53	0.0132	14.08	26.70	-2.32	
171	257		3/2 ⁺	0.91	0.68	1830.25	1.48	4.46	1.04	17.98	80.60	11.10	0.0128	14.08	27.03	-2.57	
172	258			0.90	0.61	1833.97	3.73	5.21	3.66	94.88	1.29	9.19	0.0238	14.43	27.61	-3.62	
173	259		5/2 ⁺	0.91	0.66	1834.34	0.36	4.09	0.51	14.34	83.78	12.46	0.0060	14.37	27.62	-2.83	
174	260			0.91	0.64	1836.96	2.63	2.99	0.01	39.26	59.63	10.56	0.0095	14.65	27.92	-2.30	
175	261		1/2 ⁺	0.91	0.65	1838.18	1.22	3.84	0.21	0.06	98.46	11.89	0.0097	14.66	28.18	-3.16	
176	262			0.91	0.63	1841.05	2.87	4.09	0.79	12.89	85.03	10.62	0.0108	15.15	28.74	-3.71	
177	263		1/2 ⁺	0.91	0.61	1842.05	1.00	3.87	1.31	0.11	96.27	12.53	0.0075	15.17	29.06	-3.76	
178	264			0.91	0.60	1844.16	2.11	3.10	0.06	2.67	94.74	11.72	0.0064	15.29	29.18	-3.55	
179	265		1/2 ⁺	0.91	0.60	1845.05	0.89	3.00	0.21	0.09	97.33	12.82	0.0070	15.31	29.35	-3.76	
180	266			0.91	0.58	1847.10	2.06	2.94	0.07	0.21	2.58	11.95	0.0063	15.58	29.59	-3.83	
181	267		3/2 ⁺	0.91	0.57	1847.68	0.58	2.64	0.02	0.14	0.14	13.37	0.0057	15.51	29.86	-3.70	
182	268			0.91	0.55	1849.39	1.71	2.29	0.00	0.44	0.00	12.64	0.0052	15.80	30.12	-3.59	
183	269		1/2 ⁺	0.91	0.59	1849.73	0.33	2.04	0.00	0.09	0.36	13.98	0.0049	15.79	30.45	-3.60	
184	270			0.91	0.66	1850.91	1.19	1.52	1.38	0.10	0.10	13.46	0.0037	16.11	30.74	-3.34	
185	271		7/2 ⁻	0.91	0.67	1849.80	-1.11	0.08	13.54	0.00	1.15	15.75	0.0027	16.11	31.07	-2.23	
186	272			0.91	0.67	1850.52	0.71	-0.40	0.00	...	...	14.24	0.0032	16.45	31.46	-2.05	
187	273		3/2	0.93	0.66	1849.15	-1.37	-0.65	0.00	0.00	...	16.34	0.0029	16.52	31.76	-2.12	
188	274			0.94	0.66	1849.62	0.47	-0.90	0.00	0.00	0.00	14.78	0.0030	16.95	32.23	-2.26	
189	275		1/2	0.95	0.66	1848.67	-0.95	-0.49	0.00	0.00	...	16.18	0.0033	17.05	32.54	-2.98	
190	276			0.95	0.66	1849.13	0.46	-0.49	0.00	0.00	0.00	14.15	0.0044	17.30	32.93	-3.44	
191	277		3/2 ⁺	0.97	0.64	1847.14	-1.98	-1.52	0.00	0.00	0.00	17.00	0.0018	18.10	32.14	-2.72	
192	278			0.97	0.63	1847.88	0.74	-1.24	0.00	0.00	0.00	16.03	0.0016	18.40	35.36	-3.39	
193	279		5/2 ⁺	0.97	0.63	1847.31	-0.58	0.16	...	...	...	17.37	0.0016	18.45	35.70	-4.00	
194	280			0.97	0.62	1847.95	0.64	0.06	0.00	...	...	16.45	0.0015	18.76	36.02	-7.13	
195	281		1/2 ⁺	0.96	0.62	1847.10	-0.85	-0.21	...	...	...	17.97	0.0013	18.62	36.41	-7.20	
196	282			0.97	0.61	1847.48	0.38	-0.47	0.00	0.00	0.00	16.93	0.0013	18.99		-7.25	
197	283		1/2 ⁻	0.96	0.62	1846.54	-0.94	-0.56	0.00	0.00	...	18.38	0.0012	18.94		-7.56	
198	284			0.98	0.61	1847.17	0.63	-0.31	0.00	0.00	0.00	16.72	0.0015				
199	285		3/2 ⁻	0.99	0.61	1846.09	-1.09	-0.45	0.00	0.00	0.00	17.80	0.0015				
200	286			0.99	0.60	1846.28	0.20	-0.89	0.00	0.00	0.00	17.89	0.0010				
$Z = 87$ (Fr)																	
102	189	5/2 ⁺		0.95	0.91	1428.43						11.43	0.0884	-2.28	-2.07	8.25	10 ^{-3.36}
103	190	5/2 ⁺	1/2 ⁺	0.95	0.91	1438.79	10.35					12.67	0.0956	-1.86	-1.54	8.32	10 ^{-3.21}
104	191	5/2 ⁺		0.93	0.91	1450.48	11.69	22.04				10.31	0.1635	-1.76	-1.07	8.33	10 ^{-3.58}
105	192	5/2 ⁺	5/2 ⁻	0.94	0.90	1460.41	9.93	21.62				11.55	0.2125	-1.16	-0.51	8.22	10 ^{-2.93}
106	193	5/2 ⁺		0.92	0.92	1471.59	11.19	21.12				9.42	0.2730	-1.14	0.06	8.25	10 ^{-3.36}
107	194	11/2 ⁻	9/2 ⁺	1.07	0.87	1480.88	9.29	20.48				11.15	0.3040	-0.91	-0.05	8.33	10 ^{-3.26}
108	195	5/2 ⁺		0.92	0.92	1491.93	11.05	20.34				9.18	0.3241	-0.89	0.19	7.90	10 ^{-2.34}
109	196	11/2 ⁺	5/2 ⁺	0.90	0.95	1500.91	8.98	20.03				11.08	0.4618	-0.98	0.14	8.31	10 ^{-3.20}
110	197	11/2 ⁺		0.90	0.95	1511.84	10.93	19.91				8.88	0.6279	-0.94	0.65	8.20	10 ^{-3.21}
111	198	11/2 ⁺	3/2 ⁺	0.90	0.94	1521.03	9.18	20.11				10.17	0.7412	-0.48	1.24	8.04	10 ^{-2.42}
112	199	11/2 ⁺		0.90	0.94	1531.62	10.59	19.77				8.05	1.0762	-0.37	1.68	7.88	10 ^{-2.25}
113	200	11/2 ⁺	5/2 ⁻	0.91	0.94	1540.44	8.82	19.41				9.43	1.1869	-0.01	2.12	7.64	10 ^{-1.18}
114	201	11/2 ⁺		0.91	0.93	1550.74	10.30	19.12				7.37	1.8796	0.09	2.39	7.49	10 ^{-1.03}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 87 (Fr)																	
115	202	11/2 ⁺	3/2 ⁺	0.92	0.91	1559.34	8.60	18.90				9.11	1.8093	0.45	2.66	7.28	10 ^{0.04}
116	203	11/2 ⁺		0.94	0.89	1569.43	10.09	18.69				7.13	2.6678	0.19	2.96	7.21	10 ^{-0.07}
117	204	11/2 ⁺	1/2 ⁺	0.95	0.86	1577.83	8.40	18.50				8.72	2.2906	0.49	3.26	7.14	10 ^{0.52}
118	205	13/2 ⁺		0.96	0.88	1588.02	10.19	18.60				6.46	5.5758	0.68	3.94	6.74	10 ^{1.68}
119	206	13/2 ⁺	1/2 ⁻	0.96	0.85	1596.33	8.31	18.50				7.59	5.9714	1.06	4.21	6.54	10 ^{2.81}
120	207	13/2 ⁺		0.96	0.82	1605.89	9.56	17.86				5.75	8.1408	1.18	4.79	6.49	10 ^{2.66}
121	208	13/2 ⁺	1/2 ⁻	0.97	0.80	1613.74	7.86	17.41				7.10	7.8230	1.32	4.77	6.67	10 ^{2.30}
122	209	5/2 ⁻		1.02	0.82	1622.95	9.20	17.06				5.21	> 100	1.32	5.09	6.44	10 ^{2.86}
123	210	5/2 ⁻	1/2 ⁻	1.01	0.79	1630.59	7.65	16.85				6.60	> 100	1.66	5.48	6.68	10 ^{2.26}
124	211	5/2 ⁻		1.02	0.78	1639.63	9.04	16.69				4.64	> 100	1.66	5.93	6.51	10 ^{2.58}
125	212	1/2 ⁻	1/2 ⁻	1.03	0.82	1647.10	7.46	16.50				5.23	> 100	2.04	6.34	6.32	10 ^{3.74}
126	213	5/2 ⁻		1.03	0.90	1655.15	8.05	15.51				2.16	> 100	2.04	6.72	6.85	10 ^{1.25}
127	214	5/2 ⁻	1/2 ⁺	1.02	0.82	1660.56	5.41	13.47				3.42	> 100	2.47	7.18	8.49	10 ^{-3.71}
128	215	5/2 ⁻		1.02	0.78	1667.35	6.78	12.20				0.97	> 100	2.58	7.66	9.38	10 ^{-6.30}
129	216	5/2	3/2	1.02	0.78	1672.11	4.77	11.55				±	±	3.01	8.11	9.57	10 ^{-6.40}
130	217	5/2 ⁻		1.02	0.85	1678.43	6.31	11.08				0.86	> 100	2.99	8.62	9.56	10 ^{-6.72}
131	218	5/2	5/2	0.94	0.74	1684.04	5.61	11.93	100.00	0.00	0.00	±	±	3.97	10.07	8.27	10 ^{-3.07}
132	219	1/2		0.86	0.72	1690.73	6.69	12.30				...	β -stable	4.37	10.63	7.38	10 ^{-0.63}
133	220	1/2	5/2	0.86	0.72	1695.92	5.19	11.88	100.00	0.00	0.00	±	±	4.77	11.32	6.35	10 ^{3.60}
134	221	1/2		0.86	0.72	1702.31	6.39	11.58	100.00	0.00	0.00	0.27	> 100	4.96	12.12	6.09	10 ^{4.42}
135	222	1/2	3/2	0.86	0.72	1707.06	4.74	11.14	100.00	0.00	0.00	2.39	> 100	5.17	12.46	5.84	10 ^{5.88}
136	223	1/2		0.87	0.72	1713.06	6.00	10.75	100.00	0.00	0.00	1.06	> 100	5.42	12.98	5.43	10 ^{7.64}
137	224	1/2	1/2	0.89	0.72	1717.65	4.59	10.59	100.00	0.00	0.00	2.90	> 100	5.94	13.65	5.24	10 ^{9.02}
138	225	3/2		0.90	0.73	1723.59	5.94	10.53	100.00	0.00	0.00	1.93	> 100	6.11	14.31	4.78	10 ^{11.47}
139	226	3/2	3/2	0.91	0.72	1728.15	4.56	10.50	100.00	0.00	0.00	3.68	> 100	6.46	14.75	4.14	10 ^{16.49}
140	227	3/2		0.94	0.72	1733.86	5.71	10.27	100.00	0.00	0.00	2.59	> 100	6.48	15.20	3.71	10 ^{19.88}
141	228	3/2	5/2	0.96	0.72	1738.31	4.45	10.16	100.00	0.00	0.00	4.28	26.8849	6.82	15.63	3.39	> 10 ²⁰
142	229	1/2 ⁺		0.99	0.70	1743.91	5.60	10.05	100.00	0.00	0.00	3.25	> 100	6.92	16.19	3.05	> 10 ²⁰
143	230	1/2 ⁺	7/2 ⁻	1.00	0.70	1748.21	4.30	9.90	100.00	0.00	0.00	4.99	> 100	7.31	16.69	2.76	> 10 ²⁰
144	231	1/2 ⁺		1.01	0.69	1753.60	5.39	9.69	100.00	0.00	0.00	3.96	43.9625	7.34	17.09	2.42	> 10 ²⁰
145	232	1/2 ⁻	1/2 ⁺	1.02	0.68	1757.76	4.15	9.54	100.00	0.00	0.00	5.60	12.7999	7.72	17.55	2.06	> 10 ²⁰
146	233	1/2 ⁻		1.02	0.67	1762.89	5.14	9.29	99.98	0.02	0.00	4.65	14.3606	7.76	17.98	1.91	> 10 ²⁰
147	234	1/2 ⁻	5/2 ⁺	1.02	0.67	1766.84	3.95	9.09	99.17	0.83	0.00	6.17	3.8914	8.10	18.33	1.66	> 10 ²⁰
148	235	1/2 ⁻		1.02	0.66	1771.70	4.86	8.81	94.16	5.84	0.00	5.38	4.3308	8.11	18.71	1.51	> 10 ²⁰
149	236	1/2 ⁻	7/2 ⁺	1.02	0.67	1775.42	3.72	8.58	98.08	1.92	0.00	6.90	1.0483	8.49	19.08	1.39	> 10 ²⁰
150	237	1/2 ⁻		1.03	0.67	1780.03	4.61	8.32	65.35	34.65	0.00	6.05	1.5819	8.47	19.43	1.26	> 10 ²⁰
151	238	1/2 ⁻	9/2 ⁻	1.04	0.67	1783.57	3.54	8.15	62.15	37.85	0.00	7.47	1.7588	8.85	19.83	1.07	> 10 ²⁰
152	239	3/2 ⁺		1.05	0.67	1788.08	4.51	8.06	80.85	19.15	0.00	6.40	0.6996	8.89	20.22	0.81	> 10 ²⁰
153	240	3/2 ⁺	7/2 ⁺	1.04	0.68	1790.89	2.81	7.32	64.87	35.13	0.00	8.47	0.3757	9.33	20.62	1.15	> 10 ²⁰
154	241	1/2 ⁺		1.04	0.68	1794.78	3.89	6.70	22.47	77.53	0.00	7.38	0.2444	9.17	20.83	1.38	> 10 ²⁰
155	242	1/2 ⁺	1/2 ⁺	1.04	0.69	1797.51	2.73	6.62	30.82	66.06	3.12	8.85	0.2029	9.50	21.23	1.05	> 10 ²⁰
156	243	1/2 ⁻		1.04	0.69	1801.37	3.86	6.59	3.23	96.74	0.02	7.73	0.3323	9.53	21.53	0.88	> 10 ²⁰
157	244	1/2 ⁻	11/2 ⁻	1.03	0.70	1804.01	2.64	6.49	2.43	83.47	14.09	9.35	0.2472	9.83	21.79	0.57	> 10 ²⁰
158	245	5/2 ⁻		1.02	0.69	1807.78	3.78	6.41	3.00	96.95	0.05	8.23	0.1755	9.80	22.07	0.35	> 10 ²⁰
159	246	5/2 ⁻	1/2 ⁺	1.02	0.68	1810.49	2.71	6.49	9.90	60.73	29.37	9.59	0.1760	10.17	22.45	0.01	> 10 ²⁰
160	247	5/2 ⁻		1.02	0.66	1814.25	3.76	6.47	5.49	94.33	0.18	8.53	0.1418	10.17	22.79	-0.25	
161	248	1/2 ⁺	3/2 ⁺	1.03	0.64	1816.82	2.57	6.33	14.68	55.80	29.52	10.02	0.1182	10.51	23.17	-0.49	
162	249	1/2 ⁺		1.04	0.63	1820.33	3.51	6.08	13.01	86.77	0.22	9.09	0.0894	10.50	23.48	-0.57	
163	250	1/2 ⁺	13/2 ⁻	1.03	0.66	1822.60	2.27	5.77	3.58	35.73	60.69	10.69	0.0786	10.85	25.09	-0.65	
164	251	5/2 ⁻		0.94	0.77	1824.51	1.91	4.18	0.02	99.23	0.61	11.00	0.0089	10.72	23.84	0.64	> 10 ²⁰
165	252	5/2 ⁻	15/2 ⁻	0.94	0.75	1826.61	2.10	4.01	0.02	1.60	98.00	12.32	0.0112	11.16	24.10	-0.81	
166	253	5/2 ⁻		0.94	0.73	1829.99	3.38	5.48	0.03	3.33	96.51	9.74	0.0266	11.15	24.45	-1.02	
167	254	5/2 ⁻	1/2 ⁺	0.94	0.73	1832.20	2.20	5.59	1.46	0.37	97.60	11.09	0.0335	11.35	24.78	-1.39	
168	255	5/2 ⁻		0.93	0.70	1835.56	3.36	5.57	0.31	99.49	0.02	10.06	0.0257	11.44	25.14	-1.72	
169	256	5/2 ⁻	3/2 ⁺	0.93	0.69	1837.52	1.96	5.32	0.71	4.71	94.43	11.72	0.0240	11.73	25.48	-1.80	
170	257	5/2 ⁻		0.93	0.65	1840.56	3.04	5.00	0.06	34.29	65.36	10.74	0.0195	11.80	25.88	-1.84	
171	258	5/2 ⁻	3/2 ⁺	0.93	0.66	1842.38	1.82	4.86	0.88	0.68	97.95	12.23	0.0193	12.13	26.22	-2.05	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 87 (Fr)																	
172	259	13/2 ⁺		0.91	0.60	1846.01	3.63	5.45	0.00	26.08	73.30	10.42	0.0279	12.04	26.46	-3.03	
173	260	5/2 ⁻	5/2 ⁺	0.93	0.65	1846.75	0.73	4.37	0.67	0.42	97.29	13.81	0.0074	12.41	26.78	-2.29	
174	261	5/2 ⁻		0.93	0.63	1849.29	2.54	3.28	0.00	1.00	98.08	11.80	0.0136	12.32	26.98	-1.44	
175	262	5/2 ⁻	1/2 ⁺	0.93	0.63	1850.89	1.60	4.14	0.15	0.12	98.63	13.10	0.0138	12.71	27.36	-2.62	
176	263	5/2 ⁻		0.93	0.61	1853.80	2.91	4.51	0.06	1.21	0.02	11.74	0.0174	12.75	27.89	-3.19	
177	264	5/2 ⁻	1/2 ⁺	0.93	0.60	1855.09	1.29	4.20	0.33	1.54	75.21	13.78	0.0105	13.04	28.21	-3.27	
178	265	5/2 ⁻		0.93	0.59	1857.08	1.99	3.28	0.00	0.92	6.30	12.98	0.0087	12.93	28.21	-2.88	
179	266	5/2 ⁻	1/2 ⁺	0.94	0.59	1858.27	1.19	3.18	0.00	0.33	0.17	14.19	0.0089	13.22	28.53	-3.09	
180	267	5/2 ⁻		0.94	0.57	1860.27	2.00	3.19	0.00	0.16	0.12	13.20	0.0087	13.17	28.75	-3.11	
181	268	5/2 ⁻	3/2 ⁺	0.94	0.57	1861.25	0.97	2.98	0.00	0.11	0.15	14.57	0.0080	13.56	29.07	-3.21	
182	269	5/2 ⁻		0.94	0.55	1862.93	1.68	2.65	0.00	0.18	0.27	13.80	0.0074	13.53	29.33	-3.11	
183	270	3/2 ⁻	1/2 ⁺	0.94	0.59	1863.59	0.67	2.34	0.00	0.15	0.27	15.15	0.0070	13.86	29.66	-3.12	
184	271	3/2 ⁻		0.94	0.66	1864.77	1.17	1.84	0.59	1.14	0.00	14.60	0.0053	13.85	29.96	-2.88	
185	272	3/2 ⁻	7/2 ⁻	0.94	0.68	1863.98	-0.79	0.39	0.00	11.96	0.43	16.88	0.0039	14.17	30.28	-1.75	
186	273	3/2 ⁻		0.94	0.67	1864.71	0.74	-0.05	0.00	...	...	15.36	0.0046	14.20	30.65	-1.62	
187	274	9/2	5/2	0.96	0.66	1863.62	-1.10	-0.36	...	...	...	17.52	0.0039	14.47	30.99	-1.63	
188	275	5/2		0.97	0.66	1864.07	0.45	-0.65	0.00	0.00	0.00	16.05	0.0039	14.45	31.40	-1.71	
189	276	7/2 ⁺	13/2 ⁻	0.94	0.64	1862.49	-1.57	-1.12	0.00	0.00	...	18.40	0.0016	13.83	30.88	-1.57	
190	277	7/2 ⁺		0.94	0.64	1863.36	0.87	-0.70	0.00	0.00	0.00	16.69	0.0020	14.23	31.53	-2.40	
191	278	7/2 ⁺	3/2 ⁺	0.95	0.64	1863.13	-0.23	0.64	...	...	...	18.10	0.0019	15.99	34.09	-3.22	
192	279	7/2 ⁺		0.95	0.63	1863.90	0.76	0.53	0.00	...	...	17.17	0.0017	16.01	34.41	-3.77	
193	280	7/2 ⁺	5/2 ⁺	0.95	0.64	1863.62	-0.27	0.49	...	...	...	18.55	0.0016	16.32	34.76	-6.28	
194	281	7/2 ⁺		0.95	0.62	1864.29	0.67	0.40	0.00	...	...	17.60	0.0016	16.34	35.10	-6.51	
195	282	7/2 ⁺	1/2 ⁺	0.94	0.62	1863.62	-0.67	0.00	...	...	...	19.04	0.0015	16.52	35.14	-6.47	
196	283	7/2 ⁺		0.94	0.61	1864.14	0.51	-0.15	0.00	0.00	0.00	17.97	0.0014	16.66	35.65	-6.65	
197	284	5/2 ⁻	9/2 ⁺	0.94	0.62	1863.10	-1.03	-0.52	...	...	...	19.78	0.0012	16.56	35.50	-6.33	
198	285	5/2 ⁻		0.94	0.63	1863.10	-0.01	-1.04	0.00	0.00	0.00	18.60	0.0013	15.93		-6.31	
199	286	7/2 ⁺	3/2 ⁻	0.97	0.61	1863.39	0.29	0.29	0.00	0.00	...	18.93	0.0016	17.31		-7.50	
200	287	7/2 ⁺		0.97	0.61	1863.55	0.15	0.45	0.00	0.00	0.00	18.03	0.0016	17.26			
201	288	5/2 ⁻	15/2 ⁻	0.95	0.62	1860.79	-2.76	-2.60	...	...	...	22.29	0.0005				
202	289	5/2 ⁻		0.95	0.61	1860.82	0.03	-2.72	0.00	0.00	0.00	19.59	0.0009				
Z = 88 (Ra)																	
104	192			0.94	0.91	1450.15						9.47	0.1109	-0.32	-2.09	8.85	10 ^{-5.42}
105	193		7/2 ⁻	1.00	0.89	1460.00	9.85					10.81	0.0972	-0.41	-1.57	8.94	10 ^{-4.58}
106	194			1.03	0.88	1471.63	11.63	21.48				8.47	0.2072	0.03	-1.11	8.91	10 ^{-5.57}
107	195		9/2 ⁺	1.08	0.87	1481.05	9.43	21.06				10.10	0.2256	0.17	-0.74	8.81	10 ^{-4.24}
108	196			1.07	0.87	1492.45	11.39	20.82				7.68	0.3119	0.52	-0.37	8.59	10 ^{-4.71}
109	197		1/2 ⁺	0.97	0.90	1501.77	9.32	20.72				9.29	0.2401	0.86	-0.13	8.32	10 ^{-2.90}
110	198			0.90	0.95	1512.53	10.76	20.08				7.72	0.7165	0.69	-0.25	8.58	10 ^{-4.70}
111	199		3/2 ⁺	0.90	0.95	1521.75	9.22	19.98				9.08	0.8731	0.72	0.25	8.44	10 ^{-3.23}
112	200			0.91	0.94	1532.67	10.92	20.14				6.98	1.1491	1.06	0.69	8.40	10 ^{-4.20}
113	201		1/2 ⁺	0.92	0.94	1541.59	8.92	19.84				8.36	1.4439	1.15	1.14	8.21	10 ^{-2.57}
114	202			0.93	0.93	1552.23	10.64	19.56				6.32	1.9605	1.50	1.58	8.05	10 ^{-3.16}
115	203		3/2 ⁺	0.94	0.91	1560.87	8.64	19.28				7.77	2.3119	1.54	1.99	7.87	10 ^{-1.56}
116	204			0.95	0.89	1571.40	10.53	19.17				5.65	3.5742	1.98	2.17	7.54	10 ^{-1.56}
117	205		1/2 ⁺	0.96	0.86	1579.86	8.46	18.99				7.38	3.0422	2.03	2.52	7.32	10 ^{0.25}
118	206			0.98	0.86	1590.39	10.53	18.99				5.16	9.8328	2.37	3.05	7.14	10 ^{-0.17}
119	207		1/2 ⁻	0.98	0.84	1598.67	8.28	18.81				6.43	8.1326	2.34	3.40	6.97	10 ^{1.53}
120	208			0.99	0.82	1608.62	9.95	18.24				4.34	23.8055	2.74	3.92	7.01	10 ^{0.30}
121	209		1/2 ⁻	1.01	0.81	1616.48	7.86	17.81				5.68	25.7711	2.74	4.06	7.08	10 ^{1.11}
122	210			1.04	0.81	1625.99	9.51	17.37				3.82	> 100	3.05	4.37	7.01	10 ^{0.33}
123	211		3/2 ⁻	1.04	0.79	1633.69	7.70	17.21				5.16	33.6425	3.09	4.75	7.03	10 ^{1.31}
124	212			1.05	0.78	1643.10	9.41	17.11				3.22	> 100	3.46	5.12	6.82	10 ^{1.03}
125	213		1/2 ⁻	1.06	0.82	1650.53	7.43	16.84				3.84	> 100	3.43	5.48	6.70	10 ^{2.56}
126	214			1.06	0.90	1659.05	8.52	15.95				0.73	> 100	3.90	5.94	7.22	10 ^{-0.47}
127	215		9/2 ⁺	1.06	0.82	1664.57	5.52	14.04				2.00	> 100	4.00	6.47	8.78	10 ^{-4.17}
128	216			1.06	0.78	1671.72	7.15	12.67				...	β -stable	4.37	6.95	9.69	10 ^{-7.46}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 88 (Ra)																	
129	217		3/2	1.03	0.77	1676.59	4.87	12.03				1.05	> 100	4.48	7.49	9.79	$10^{-6.64}$
130	218			1.04	0.81	1683.35	6.76	11.63				...	β -stable	4.92	7.91	9.71	$10^{-7.52}$
131	219		5/2	0.90	0.73	1689.43	6.08	12.83				0.52	> 100	5.39	9.36	7.97	$10^{-1.86}$
132	220			0.86	0.72	1696.38	6.95	13.03				...	β -stable	5.65	10.02	7.36	$10^{-0.93}$
133	221		5/2	0.85	0.72	1701.79	5.42	12.37				...	β -stable	5.87	10.65	6.57	$10^{3.08}$
134	222			0.85	0.72	1708.66	6.86	12.28				...	β -stable	6.35	11.31	6.00	$10^{4.53}$
135	223		3/2	0.86	0.73	1713.33	4.67	11.54				...	β -stable	6.28	11.44	6.11	$10^{5.05}$
136	224			0.87	0.72	1719.76	6.43	11.10				...	β -stable	6.70	12.12	5.88	$10^{5.09}$
137	225		1/2	0.87	0.73	1724.74	4.98	11.41	100.00	0.00	0.00	0.42	> 100	7.10	13.04	5.44	$10^{8.40}$
138	226			0.88	0.73	1731.05	6.31	11.29				...	β -stable	7.46	13.57	4.88	$10^{10.61}$
139	227		3/2	0.90	0.73	1735.67	4.62	10.93	100.00	0.00	0.00	1.28	> 100	7.52	13.98	4.33	$10^{15.53}$
140	228			0.93	0.73	1741.80	6.13	10.76	100.00	0.00	0.00	0.22	> 100	7.94	14.43	3.97	$10^{17.45}$
141	229		5/2	0.96	0.71	1746.38	4.57	10.71	100.00	0.00	0.00	1.84	> 100	8.06	14.89	3.61	$> 10^{20}$
142	230			0.97	0.71	1752.42	6.05	10.62	100.00	0.00	0.00	0.83	> 100	8.51	15.43	3.25	$> 10^{20}$
143	231		7/2 ⁻	0.98	0.70	1756.78	4.35	10.40	100.00	0.00	0.00	2.57	> 100	8.56	15.87	3.01	$> 10^{20}$
144	232			1.00	0.69	1762.57	5.80	10.15	100.00	0.00	0.00	1.51	> 100	8.97	16.31	2.71	$> 10^{20}$
145	233		1/2 ⁺	1.00	0.68	1766.76	4.19	9.99	100.00	0.00	0.00	3.16	30.4738	9.01	16.72	2.44	$> 10^{20}$
146	234			1.00	0.67	1772.23	5.46	9.66	100.00	0.00	0.00	2.21	48.0089	9.34	17.10	2.33	$> 10^{20}$
147	235		5/2 ⁺	1.01	0.67	1776.30	4.07	9.53	100.00	0.00	0.00	3.63	8.6524	9.45	17.56	2.04	$> 10^{20}$
148	236			1.01	0.67	1781.54	5.24	9.31	100.00	0.00	0.00	2.82	13.4336	9.83	17.94	1.89	$> 10^{20}$
149	237		7/2 ⁺	1.02	0.66	1785.29	3.76	8.99	100.00	0.00	0.00	4.31	2.2758	9.87	18.36	1.75	$> 10^{20}$
150	238			1.03	0.66	1790.26	4.97	8.72	100.00	0.00	0.00	3.48	3.9838	10.23	18.70	1.63	$> 10^{20}$
151	239		9/2 ⁻	1.04	0.67	1793.70	3.44	8.41	100.00	0.00	0.00	5.03	3.1729	10.13	18.98	1.52	$> 10^{20}$
152	240			1.05	0.67	1798.57	4.87	8.32	100.00	0.00	0.00	4.13	1.6222	10.49	19.38	1.28	$> 10^{20}$
153	241		7/2 ⁺	1.04	0.68	1801.38	2.80	7.67	98.14	1.86	0.00	6.04	0.6121	10.49	19.82	1.64	$> 10^{20}$
154	242			1.04	0.68	1805.58	4.20	7.01	93.74	6.26	0.00	4.98	0.6511	10.80	19.97	1.91	$> 10^{20}$
155	243		1/2 ⁺	1.05	0.69	1808.32	2.74	6.94	84.98	15.02	0.00	6.59	0.4445	10.81	20.31	1.54	$> 10^{20}$
156	244			1.04	0.69	1812.58	4.26	7.00	83.63	16.37	0.00	5.26	0.5565	11.21	20.74	1.33	$> 10^{20}$
157	245		1/2 ⁺	1.04	0.69	1815.23	2.65	6.91	79.00	21.00	0.00	6.82	0.3886	11.22	21.05	1.08	$> 10^{20}$
158	246			1.03	0.68	1819.30	4.07	6.73	75.61	24.39	0.00	5.72	0.2847	11.52	21.32	0.83	$> 10^{20}$
159	247		1/2 ⁺	1.04	0.66	1822.00	2.70	6.77	54.05	45.95	0.00	7.15	0.2527	11.51	21.68	0.47	$> 10^{20}$
160	248			1.04	0.64	1826.07	4.06	6.76	53.62	46.38	0.00	6.10	0.1896	11.81	21.98	0.22	$> 10^{20}$
161	249		3/2 ⁺	1.05	0.63	1828.64	2.57	6.64	51.40	48.59	0.00	7.59	0.1632	11.81	22.33	-0.02	
162	250			1.05	0.63	1832.51	3.87	6.45	46.98	53.02	0.00	6.60	0.1345	12.18	22.68	-0.13	
163	251		13/2 ⁻	1.04	0.66	1834.73	2.21	6.09	32.82	67.13	0.05	8.23	0.1093	12.13	22.98	-0.12	
164	252			1.03	0.64	1838.15	3.42	5.64	25.47	74.50	0.03	7.38	0.0781	13.64	24.36	-0.02	
165	253		15/2 ⁻	0.96	0.75	1838.95	0.80	4.22	1.34	98.27	0.39	10.00	0.0134	12.34	23.50	1.10	$> 10^{20}$
166	254			0.97	0.72	1842.51	3.56	4.36	0.37	99.55	0.08	7.47	0.0305	12.51	23.66	-0.42	
167	255		1/2 ⁺	0.96	0.72	1844.84	2.34	5.89	3.49	33.03	63.48	8.60	0.0495	12.64	24.00	-1.10	
168	256			0.96	0.70	1848.45	3.61	5.94	7.47	92.49	0.04	7.52	0.0390	12.89	24.33	-1.31	
169	257		3/2 ⁺	0.95	0.66	1850.52	2.07	5.67	3.55	96.14	0.31	9.22	0.0358	13.00	24.73	-1.38	
170	258			0.95	0.64	1853.83	3.31	5.38	2.51	97.36	0.13	8.19	0.0293	13.27	25.07	-1.41	
171	259		3/2 ⁺	0.95	0.66	1855.65	1.82	5.13	1.70	97.52	0.78	9.76	0.0271	13.27	25.40	-1.57	
172	260			0.93	0.59	1859.77	4.12	5.94	15.03	84.63	0.35	7.70	0.0634	13.76	25.80	-2.71	
173	261		5/2 ⁺	0.95	0.64	1860.30	0.53	4.65	3.96	94.40	1.53	11.42	0.0091	13.56	25.97	-1.76	
174	262			0.95	0.62	1863.20	2.90	3.43	0.36	98.98	0.38	9.40	0.0174	13.91	26.24	-0.93	
175	263		1/2 ⁺	0.95	0.62	1864.76	1.56	4.46	0.30	0.52	98.76	10.75	0.0169	13.87	26.58	-2.13	
176	264			0.95	0.61	1868.09	3.33	4.89	2.52	96.15	0.60	9.32	0.0234	14.29	27.04	-2.83	
177	265		1/2 ⁺	0.95	0.60	1869.27	1.18	4.51	2.00	4.76	92.33	11.33	0.0134	14.18	27.22	-2.80	
178	266			0.95	0.59	1871.68	2.41	3.59	1.18	96.03	1.39	10.54	0.0114	14.60	27.52	-2.33	
179	267		1/2 ⁺	0.96	0.59	1872.70	1.02	3.42	0.30	0.10	97.76	11.92	0.0102	14.43	27.65	-2.35	
180	268			0.97	0.57	1875.04	2.34	3.36	0.05	0.17	97.98	10.84	0.0105	14.76	27.94	-2.59	
181	269		3/2 ⁺	0.97	0.57	1875.94	0.90	3.25	0.02	0.14	97.68	12.27	0.0093	14.70	28.26	-2.60	
182	270			0.97	0.55	1877.95	2.01	2.92	0.00	0.35	3.22	11.48	0.0086	15.03	28.56	-2.56	
183	271		1/2 ⁺	0.97	0.59	1878.58	0.63	2.64	0.00	0.28	0.07	12.82	0.0082	14.99	28.86	-2.60	
184	272			0.97	0.66	1880.07	1.49	2.12	1.21	0.08	0.08	12.29	0.0061	15.31	29.16	-2.38	
185	273		7/2 ⁻	0.97	0.68	1879.29	-0.79	0.70	12.62	0.24	0.74	14.56	0.0044	15.31	29.49	-1.26	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 88 (Ra)																	
186	274			0.96	0.67	1880.36	1.07	0.29	0.00	...	...	13.05	0.0053	15.65	29.84	-1.15	
187	275		5/2	0.99	0.66	1879.33	-1.02	0.05	...	...	...	15.15	0.0047	15.72	30.18	-1.24	
188	276			1.00	0.66	1880.11	0.77	-0.25	0.00	0.00	0.00	13.67	0.0047	16.04	30.49	-1.29	
189	277		9/2 ⁺	0.92	0.64	1879.27	-0.84	-0.06	...	...	...	15.30	0.0030	16.78	30.60	-1.82	
190	278			0.93	0.64	1880.45	1.17	0.34	0.20	...	...	14.32	0.0027	17.08	31.32	-2.53	
191	279		3/2 ⁺	0.92	0.64	1880.28	-0.17	1.01	0.22	0.00	0.69	15.72	0.0026	17.15	33.14	-3.32	
192	280			0.93	0.63	1881.39	1.11	0.95	0.36	0.73	0.00	14.69	0.0024	17.50	33.51	-3.97	
193	281		5/2 ⁺	0.93	0.63	1881.11	-0.29	0.83	1.48	0.00	1.23	16.12	0.0022	17.49	33.80	-5.67	
194	282			0.92	0.62	1881.88	0.77	0.49	0.60	1.13	0.00	15.42	0.0019	17.59	33.93	-5.70	
195	283		1/2 ⁺	0.92	0.62	1881.32	-0.55	0.22	0.00	0.00	2.19	16.86	0.0017	17.70	34.23	-5.72	
196	284			0.92	0.62	1882.11	0.78	0.23	0.00	...	...	15.92	0.0016	17.97	34.63	-5.86	
197	285		9/2 ⁺	0.92	0.64	1880.92	-1.19	-0.41	...	...	...	17.76	0.0013	17.81	34.38	-5.53	
198	286			0.92	0.63	1881.54	0.62	-0.56	0.00	0.00	0.00	16.60	0.0013	18.44	34.37	-5.77	
199	287		1/2 ⁻	0.93	0.63	1880.79	-0.75	-0.13	...	...	...	17.99	0.0012	17.40	34.70	-5.95	
200	288			0.95	0.60	1882.30	1.51	0.75	0.00	...	...	16.67	0.0013	18.75	36.01	-6.83	
201	289		15/2 ⁻	0.94	0.62	1879.63	-2.67	-1.16	0.00	0.00	0.00	19.82	0.0006	18.84		-5.25	
202	290			0.94	0.60	1879.99	0.36	-2.31	0.00	0.00	0.00	17.17	0.0011	19.16		-5.41	
203	291		7/2 ⁻	0.96	0.58	1881.05	1.07	1.42	0.00	0.00	0.00	16.50	0.0024				
204	292			0.96	0.57	1881.30	0.24	1.31	0.00	0.00	0.00	17.52	0.0010				
Z = 89 (Ac)																	
106	195	5/2 ⁺		0.96	0.89	1469.47						10.80	0.1205	-2.16	-2.13	9.30	10 ^{-5.44}
107	196	5/2 ⁺	9/2 ⁺	1.01	0.88	1479.46	9.99					12.20	0.1427	-1.59	-1.42	9.24	10 ^{-4.95}
108	197	11/2 ⁻		0.95	0.90	1490.86	11.40	21.39				10.13	0.1831	-1.59	-1.07	9.03	10 ^{-4.77}
109	198	11/2 ⁻	9/2 ⁺	0.95	0.91	1500.45	9.60	20.99				11.29	0.2555	-1.32	-0.46	8.73	10 ^{-3.61}
110	199	5/2 ⁻		0.91	0.94	1511.20	10.74	20.34				9.77	0.3498	-1.33	-0.64	9.03	10 ^{-4.75}
111	200	5/2 ⁻	3/2 ⁺	0.93	0.94	1520.31	9.11	19.86				11.58	0.5219	-1.44	-0.71	8.90	10 ^{-4.07}
112	201	5/2 ⁻		0.93	0.94	1531.30	10.99	20.10				9.51	0.6721	-1.37	-0.31	8.84	10 ^{-4.25}
113	202	7/2 ⁻	1/2 ⁺	0.93	0.94	1540.61	9.31	20.30				10.84	0.6892	-0.98	0.18	8.71	10 ^{-3.57}
114	203	7/2 ⁻		0.94	0.93	1551.33	10.72	20.03				8.76	0.9760	-0.90	0.60	8.58	10 ^{-3.55}
115	204	7/2 ⁻	3/2 ⁺	0.94	0.91	1560.41	9.07	19.80				10.21	1.2943	-0.46	1.07	8.32	10 ^{-2.49}
116	205	7/2 ⁻		0.95	0.89	1570.96	10.55	19.62				8.12	1.8643	-0.44	1.53	8.07	10 ^{-2.09}
117	206	7/2 ⁻	1/2 ⁺	0.95	0.86	1579.80	8.84	19.39				9.80	1.7497	-0.06	1.97	7.83	10 ^{-0.99}
118	207	7/2 ⁻		0.96	0.84	1590.14	10.33	19.18				7.75	2.5607	-0.25	2.11	7.59	10 ^{-0.53}
119	208	7/2 ⁻	1/2 ⁻	0.97	0.84	1598.71	8.58	18.91				9.12	2.7027	0.05	2.38	7.41	10 ^{0.40}
120	209	7/2 ⁻		1.00	0.81	1608.94	10.23	18.81				6.75	9.1367	0.32	3.06	7.37	10 ^{0.19}
121	210	7/2 ⁻	1/2 ⁻	1.01	0.79	1617.12	8.17	18.40				8.09	11.2539	0.64	3.37	7.51	10 ^{0.07}
122	211	13/2 ⁺		1.05	0.79	1626.57	9.45	17.62				6.34	5.7630	0.58	3.62	7.61	10 ^{-0.63}
123	212	13/2 ⁺	3/2 ⁻	1.06	0.79	1634.57	8.00	17.45				7.74	3.6979	0.88	3.98	7.47	10 ^{0.21}
124	213	3/2 ⁻		1.07	0.79	1643.97	9.40	17.40				5.78	> 100	0.87	4.34	7.27	10 ^{0.56}
125	214	3/2 ⁻	1/2 ⁻	1.09	0.82	1651.84	7.87	17.27				6.43	> 100	1.31	4.74	7.05	10 ^{1.69}
126	215	5/2 ⁻		1.09	0.90	1660.44	8.60	16.47				3.35	> 100	1.39	5.29	7.49	10 ^{-0.22}
127	216	3/2 ⁻	9/2 ⁺	1.09	0.82	1666.31	5.87	14.47				4.63	> 100	1.74	5.74	9.09	10 ^{-4.56}
128	217	9/2 ⁻		1.09	0.78	1673.51	7.21	13.08				2.30	> 100	1.79	6.17	9.93	10 ^{-6.90}
129	218	1/2	3/2	1.05	0.76	1679.03	5.52	12.73				3.53	> 100	2.44	6.92	9.82	10 ^{-6.33}
130	219	9/2		1.06	0.80	1685.77	6.73	12.25				2.88	> 100	2.42	7.34	9.88	10 ^{-6.79}
131	220	5/2	5/2	0.86	0.73	1692.64	6.88	13.61				2.95	> 100	3.21	8.60	7.77	10 ^{-0.79}
132	221	5/2		0.85	0.72	1699.81	7.17	14.05				1.20	> 100	3.43	9.08	6.91	10 ^{1.87}
133	222	5/2	5/2	0.84	0.73	1705.69	5.88	13.05				2.19	> 100	3.90	9.77	6.65	10 ^{3.27}
134	223	5/2		0.84	0.73	1712.37	6.68	12.56				0.18	> 100	3.71	10.06	6.65	10 ^{2.91}
135	224	5/2	3/2	0.85	0.73	1717.67	5.29	11.98	100.00	0.00	0.00	±	±	4.34	10.61	6.55	10 ^{3.66}
136	225	3/2		0.85	0.73	1724.38	6.71	12.01				...	β-stable	4.62	11.32	6.23	10 ^{4.72}
137	226	3/2	1/2	0.85	0.73	1729.76	5.38	12.10	100.00	0.00	0.00	±	±	5.02	12.11	5.59	10 ^{8.16}
138	227	3/2		0.87	0.74	1736.17	6.41	11.79	100.00	0.00	0.00	0.19	> 100	5.12	12.58	5.18	10 ^{10.08}
139	228	3/2	3/2	0.89	0.73	1741.24	5.07	11.48	100.00	0.00	0.00	2.07	> 100	5.57	13.09	4.70	10 ^{13.49}
140	229	3/2		0.91	0.73	1747.43	6.19	11.27	100.00	0.00	0.00	1.22	> 100	5.63	13.57	4.45	10 ^{14.93}
141	230	3/2	5/2	0.94	0.72	1752.47	5.03	11.23	100.00	0.00	0.00	2.93	> 100	6.09	14.15	3.98	10 ^{19.09}
142	231	1/2 ⁻		0.95	0.72	1758.56	6.09	11.13	100.00	0.00	0.00	1.93	> 100	6.14	14.65	3.60	> 10 ²⁰

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 89 (Ac)																	
143	232	1/2 ⁻	7/2 ⁻	0.95	0.70	1763.30	4.74	10.84	100.00	0.00	0.00	3.69	> 100	6.53	15.09	3.31	> 10 ²⁰
144	233	3/2 ⁺		0.97	0.69	1769.15	5.84	10.58	100.00	0.00	0.00	2.64	25.4392	6.57	15.54	3.06	> 10 ²⁰
145	234	3/2 ⁺	1/2 ⁺	0.98	0.69	1773.66	4.51	10.36	100.00	0.00	0.00	4.32	10.4874	6.89	15.90	2.85	> 10 ²⁰
146	235	3/2 ⁺		0.99	0.68	1779.15	5.49	10.00	100.00	0.00	0.00	3.37	10.0995	6.92	16.25	2.75	> 10 ²⁰
147	236	3/2 ⁺	5/2 ⁺	1.00	0.67	1783.57	4.43	9.92	100.00	0.00	0.00	4.85	7.1558	7.28	16.73	2.48	> 10 ²⁰
148	237	3/2 ⁺		1.00	0.67	1788.82	5.25	9.68	100.00	0.00	0.00	4.07	5.6609	7.29	17.12	2.37	> 10 ²⁰
149	238	3/2 ⁺	7/2 ⁺	1.00	0.66	1792.95	4.13	9.38	100.00	0.00	0.00	5.56	2.5621	7.66	17.53	2.18	> 10 ²⁰
150	239	3/2 ⁺		1.01	0.66	1797.95	4.99	9.13	99.69	0.31	0.00	4.67	3.1109	7.69	17.92	2.05	> 10 ²⁰
151	240	3/2 ⁺	9/2 ⁻	1.02	0.67	1801.92	3.97	8.97	99.58	0.42	0.00	6.05	5.2721	8.22	18.35	1.79	> 10 ²⁰
152	241	3/2 ⁺		1.03	0.67	1806.63	4.71	8.69	92.25	7.75	0.00	5.34	2.4152	8.06	18.55	1.69	> 10 ²⁰
153	242	3/2 ⁺	7/2 ⁺	1.03	0.68	1809.78	3.14	7.85	89.41	10.59	0.00	7.28	0.6899	8.40	18.89	2.09	> 10 ²⁰
154	243	3/2 ⁺		1.04	0.68	1814.13	4.35	7.49	56.05	43.95	0.00	6.08	0.8629	8.55	19.35	2.25	> 10 ²⁰
155	244	3/2 ⁺	1/2 ⁺	1.04	0.69	1817.05	2.92	7.28	54.59	45.41	0.00	7.86	0.4379	8.73	19.54	2.13	> 10 ²⁰
156	245	3/2 ⁺		1.04	0.69	1821.27	4.22	7.14	14.80	85.20	0.00	6.56	1.2174	8.69	19.90	1.80	> 10 ²⁰
157	246	1/2 ⁺	11/2 ⁻	1.04	0.69	1824.24	2.97	7.19	34.70	65.30	0.00	8.15	0.4569	9.01	20.24	1.56	> 10 ²⁰
158	247	1/2 ⁺		1.04	0.68	1828.37	4.13	7.10	28.58	71.42	0.00	7.09	0.3330	9.07	20.59	1.29	> 10 ²⁰
159	248	5/2 ⁻	1/2 ⁺	1.05	0.66	1831.38	3.01	7.14	21.18	78.80	0.02	8.46	0.6079	9.38	20.89	0.92	> 10 ²⁰
160	249	1/2 ⁻		1.05	0.65	1835.45	4.07	7.08	14.95	85.05	0.00	7.42	0.4553	9.38	21.20	0.63	> 10 ²⁰
161	250	1/2 ⁻	3/2 ⁺	1.06	0.63	1838.33	2.88	6.94	23.14	76.60	0.26	8.95	0.3310	9.69	21.50	0.46	> 10 ²⁰
162	251	1/2 ⁺		1.06	0.63	1842.17	3.84	6.72	25.26	74.74	0.00	8.00	0.1790	9.66	21.84	0.38	> 10 ²⁰
163	252	1/2 ⁻	13/2 ⁻	1.05	0.66	1844.74	2.58	6.42	8.72	70.36	20.93	9.63	0.2136	10.02	22.15	0.38	> 10 ²⁰
164	253	1/2 ⁻		1.03	0.64	1848.17	3.42	6.00	0.29	99.45	0.26	8.72	0.1539	10.02	23.66	0.46	> 10 ²⁰
165	254	1/2 ⁺	15/2 ⁻	0.98	0.74	1849.19	1.02	4.45	1.55	47.15	51.30	11.40	0.0158	10.24	22.58	1.70	> 10 ²⁰
166	255	1/2 ⁺		0.98	0.72	1852.66	3.47	4.49	1.60	98.05	0.29	10.00	0.0150	10.15	22.67	0.15	> 10 ²⁰
167	256	1/2 ⁺	1/2 ⁺	0.98	0.71	1855.19	2.53	6.00	4.09	22.61	73.19	10.27	0.0442	10.35	22.99	-0.28	
168	257	1/2 ⁺		0.98	0.68	1858.96	3.77	6.30	2.92	62.96	34.05	9.04	0.0424	10.51	23.40	-0.67	
169	258	1/2 ⁺	3/2 ⁺	0.98	0.67	1861.24	2.28	6.05	3.18	46.72	50.08	10.68	0.0388	10.72	23.72	-0.75	
170	259	1/2 ⁺		0.97	0.64	1864.63	3.39	5.67	2.77	97.02	0.20	9.79	0.0300	10.80	24.07	-0.77	
171	260	7/2 ⁻	3/2 ⁺	0.98	0.66	1866.70	2.07	5.46	1.00	9.56	89.40	11.27	0.0361	11.05	24.32	-0.88	
172	261	5/2 ⁻		0.95	0.59	1870.94	4.24	6.31	0.64	66.66	32.68	9.19	0.0887	11.16	24.93	-2.08	
173	262	7/2 ⁻	5/2 ⁺	0.98	0.63	1871.82	0.88	5.12	1.01	14.65	83.86	12.65	0.0143	11.52	25.07	-1.14	
174	263	7/2 ⁻		0.98	0.61	1874.73	2.91	3.79	0.00	16.87	82.79	10.69	0.0269	11.52	25.44	-0.42	
175	264	7/2 ⁻	1/2 ⁺	0.97	0.61	1876.63	1.90	4.81	0.36	0.46	98.49	11.97	0.0282	11.87	25.74	-1.59	
176	265	13/2 ⁺		0.97	0.61	1879.82	3.19	5.09	0.00	23.74	29.52	10.69	0.0282	11.73	26.02	-2.23	
177	266	13/2 ⁺	1/2 ⁺	0.97	0.60	1881.44	1.62	4.81	1.24	1.49	96.25	12.53	0.0183	12.16	26.35	-2.25	
178	267	3/2 ⁻		0.97	0.59	1883.83	2.39	4.02	0.07	1.88	96.86	11.76	0.0190	12.15	26.75	-1.74	
179	268	3/2 ⁻	1/2 ⁺	0.99	0.59	1885.09	1.26	3.66	0.00	0.39	98.21	13.25	0.0150	12.40	26.83	-1.71	
180	269	3/2 ⁻		0.99	0.56	1887.43	2.33	3.60	0.00	0.19	0.09	12.09	0.0167	12.39	27.16	-2.05	
181	270	3/2 ⁻	3/2 ⁺	0.99	0.56	1888.66	1.23	3.56	0.00	0.14	0.14	13.52	0.0145	12.71	27.41	-2.09	
182	271	3/2 ⁻		0.99	0.56	1890.62	1.96	3.19	0.00	0.43	0.00	12.76	0.0131	12.67	27.69	-2.05	
183	272	1/2 ⁻	1/2 ⁺	1.00	0.59	1891.58	0.96	2.92	0.00	0.24	0.22	14.12	0.0123	13.00	27.99	-2.04	
184	273	1/2 ⁻		0.99	0.66	1893.07	1.49	2.45	0.94	0.98	0.06	13.53	0.0092	13.00	28.30	-1.85	
185	274	1/2 ⁻	7/2 ⁻	0.99	0.67	1892.62	-0.45	1.04	0.41	11.61	0.75	15.77	0.0066	13.34	28.65	-0.74	
186	275	1/2 ⁻		0.99	0.67	1893.70	1.08	0.63	0.00	...	...	14.23	0.0078	13.34	28.99	-0.64	
187	276	3/2	3/2	1.01	0.66	1892.99	-0.71	0.37	...	...	...	16.37	0.0069	13.66	29.38	-0.72	
188	277	3/2		1.02	0.65	1893.79	0.79	0.09	0.00	...	...	14.95	0.0064	13.68	29.72	-0.78	
189	278	3/2 ⁻	9/2 ⁺	0.91	0.64	1893.98	0.20	0.99	...	...	...	16.00	0.0039	14.71	31.49	-2.07	
190	279	3/2 ⁻		0.91	0.64	1895.22	1.24	1.43	0.20	...	...	15.41	0.0029	14.77	31.86	-2.86	
191	280	3/2 ⁻	3/2 ⁺	0.92	0.63	1895.30	0.08	1.31	0.00	0.36	1.55	16.88	0.0026	15.02	32.16	-4.51	
192	281	3/2 ⁻		0.92	0.63	1896.44	1.14	1.22	0.00	0.85	1.27	15.80	0.0025	15.05	32.55	-4.78	
193	282	3/2 ⁻	5/2 ⁺	0.92	0.63	1896.52	0.07	1.22	0.00	0.00	2.00	17.10	0.0025	15.41	32.89	-5.09	
194	283	3/2 ⁻		0.91	0.62	1897.40	0.88	0.96	0.00	0.79	0.00	16.33	0.0022	15.52	33.11	-5.21	
195	284	3/2 ⁻	1/2 ⁺	0.91	0.62	1897.25	-0.15	0.73	0.00	0.00	0.70	17.75	0.0020	15.92	33.62	-5.33	
196	285	3/2 ⁻		0.91	0.61	1897.90	0.65	0.50	0.00	...	...	16.94	0.0018	15.79	33.76	-5.31	
197	286	3/2 ⁻	9/2 ⁺	0.91	0.62	1897.36	-0.54	0.12	...	...	...	18.46	0.0017	16.44	34.26	-5.44	
198	287	3/2 ⁻		0.91	0.62	1897.99	0.63	0.09	0.00	...	...	17.32	0.0017	16.45	34.89	-5.56	
199	288	3/2 ⁻	3/2 ⁻	0.93	0.60	1898.19	0.19	0.82	...	...	...	18.51	0.0015	17.40	34.79	-6.78	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 89 (Ac)																	
200	289	3/2 ⁻		0.93	0.60	1898.67	0.49	0.68	0.00	...	...	17.68	0.0014	16.38	35.13	-7.28	
201	290	5/2 ⁺	15/2 ⁻	0.93	0.62	1896.37	-2.30	-1.81	0.00	0.00	...	19.20	0.0014	16.74	35.58	-4.68	
202	291	5/2 ⁺		0.93	0.60	1896.77	0.40	-1.90	0.00	0.00	0.00	18.35	0.0012	16.78	35.95	-4.93	
203	292	3/2 ⁻	7/2 ⁻	0.94	0.57	1898.04	1.27	1.67	0.00	0.00	0.00	17.77	0.0024	16.99		-8.95	
204	293	3/2 ⁻		0.94	0.57	1898.25	0.21	1.48	0.57	...	...	18.66	0.0011	16.95		-9.13	
205	294	3/2 ⁻	9/2 ⁻	0.94	0.58	1897.47	-0.78	-0.56	0.00	0.51	0.00	19.95	0.0010				
206	295	3/2 ⁻		0.94	0.57	1897.50	0.02	-0.75	0.00	0.00	...	19.16	0.0009				
Z = 90 (Th)																	
108	198			1.03	0.88	1490.56						9.11	0.1155	-0.30	-1.89	9.36	10 ^{-6.02}
109	199		1/2 ⁺	1.00	0.89	1500.26	9.69					10.16	0.1310	-0.20	-1.51	9.09	10 ^{-4.28}
110	200			0.93	0.92	1511.63	11.38	21.07				7.90	0.2975	0.43	-0.90	9.11	10 ^{-5.39}
111	201		1/2 ⁺	0.90	0.94	1520.57	8.94	20.32				9.95	0.2818	0.26	-1.18	9.49	10 ^{-5.27}
112	202			0.94	0.94	1531.61	11.03	19.98				8.22	0.3879	0.31	-1.06	9.22	10 ^{-5.65}
113	203		1/2 ⁺	0.94	0.94	1540.94	9.33	20.37				9.61	0.4766	0.33	-0.65	9.11	10 ^{-4.31}
114	204			0.95	0.93	1552.05	11.10	20.44				7.58	0.6517	0.71	-0.19	8.92	10 ^{-4.90}
115	205		3/2 ⁺	0.96	0.91	1561.15	9.11	20.21				9.02	0.7603	0.74	0.28	8.73	10 ^{-3.32}
116	206			0.97	0.89	1572.12	10.97	20.08				6.89	1.1133	1.17	0.72	8.40	10 ^{-3.46}
117	207		1/2 ⁺	0.98	0.86	1581.04	8.92	19.89				8.31	1.1611	1.24	1.18	8.12	10 ^{-1.57}
118	208			1.00	0.84	1591.86	10.81	19.73				6.07	1.9751	1.72	1.47	7.84	10 ^{-1.74}
119	209		1/2 ⁻	1.00	0.83	1600.49	8.64	19.45				7.67	1.5446	1.78	1.83	7.66	10 ^{-0.09}
120	210			1.01	0.82	1610.91	10.42	19.06				5.42	2.6934	1.97	2.29	7.77	10 ^{-1.52}
121	211		1/2 ⁻	1.03	0.79	1619.15	8.23	18.65				6.64	4.7765	2.03	2.67	7.82	10 ^{-0.60}
122	212			1.08	0.79	1628.96	9.81	18.05				4.83	15.0462	2.39	2.97	7.96	10 ^{-2.11}
123	213		3/2 ⁻	1.08	0.80	1637.04	8.08	17.89				6.15	6.0127	2.47	3.35	7.74	10 ^{-0.34}
124	214			1.09	0.80	1646.74	9.70	17.78				4.32	19.4328	2.77	3.64	7.55	10 ^{-0.77}
125	215		1/2 ⁻	1.12	0.82	1654.64	7.90	17.60				5.02	58.9735	2.80	4.11	7.34	10 ^{1.00}
126	216			1.12	0.90	1663.58	8.95	16.84				1.94	> 100	3.15	4.53	7.81	10 ^{-1.64}
127	217		9/2 ⁺	1.11	0.82	1669.56	5.97	14.92				3.17	> 100	3.25	4.99	9.27	10 ^{-4.72}
128	218			1.11	0.79	1677.19	7.63	13.60				1.07	> 100	3.67	5.47	10.16	10 ^{-7.87}
129	219		3/2	1.06	0.76	1682.82	5.64	13.27				2.16	> 100	3.79	6.23	10.04	10 ^{-6.53}
130	220			1.05	0.78	1690.19	7.37	13.00				1.67	> 100	4.42	6.84	9.83	10 ^{-7.12}
131	221		5/2	0.87	0.73	1696.99	6.80	14.17				2.04	> 100	4.35	7.56	7.90	10 ^{-0.87}
132	222			0.86	0.72	1704.58	7.59	14.39				0.32	> 100	4.77	8.21	7.06	10 ^{0.96}
133	223		5/2	0.83	0.74	1710.49	5.91	13.51				1.09	> 100	4.80	8.70	7.23	10 ^{1.41}
134	224			0.83	0.74	1717.38	6.88	12.79				...	β -stable	5.00	8.72	7.30	10 ^{0.10}
135	225		3/2	0.83	0.73	1723.13	5.76	12.64				0.46	> 100	5.47	9.80	6.96	10 ^{2.43}
136	226			0.87	0.75	1729.94	6.81	12.56				...	β -stable	5.56	10.18	7.01	10 ^{1.14}
137	227		3/2 ⁺	0.87	0.74	1735.58	5.64	12.45				...	β -stable	5.82	10.84	6.05	10 ^{6.32}
138	228			0.90	0.73	1742.53	6.95	12.59				...	β -stable	6.36	11.48	5.53	10 ^{7.86}
139	229		5/2 ⁻	0.91	0.73	1747.87	5.34	12.29				...	β -stable	6.63	12.20	5.17	10 ^{10.98}
140	230			0.91	0.72	1754.61	6.74	12.09				...	β -stable	7.18	12.81	4.73	10 ^{12.72}
141	231		5/2 ⁺	0.91	0.72	1759.71	5.10	11.85	100.00	0.00	0.00	0.46	> 100	7.25	13.34	4.25	10 ^{17.34}
142	232			0.93	0.72	1766.21	6.50	11.60				...	β -stable	7.65	13.79	3.89	10 ^{19.39}
143	233		7/2 ⁻	0.93	0.71	1771.00	4.79	11.29	100.00	0.00	0.00	1.21	> 100	7.70	14.22	3.67	> 10 ²⁰
144	234			0.94	0.69	1777.20	6.20	10.99	100.00	0.00	0.00	0.23	> 100	8.05	14.63	3.52	> 10 ²⁰
145	235		1/2 ⁺	0.95	0.69	1781.74	4.54	10.74	100.00	0.00	0.00	1.89	> 100	8.08	14.97	3.34	> 10 ²⁰
146	236			0.96	0.68	1787.64	5.90	10.44	100.00	0.00	0.00	0.94	> 100	8.49	15.41	3.23	> 10 ²⁰
147	237		5/2 ⁺	0.97	0.67	1792.11	4.47	10.37	100.00	0.00	0.00	2.34	55.8016	8.53	15.81	2.95	> 10 ²⁰
148	238			0.98	0.67	1797.73	5.62	10.09	100.00	0.00	0.00	1.59	> 100	8.91	16.19	2.79	> 10 ²⁰
149	239		7/2 ⁺	0.99	0.66	1801.83	4.10	9.73	100.00	0.00	0.00	3.13	9.6838	8.88	16.54	2.76	> 10 ²⁰
150	240			0.99	0.66	1807.19	5.36	9.47	100.00	0.00	0.00	2.22	36.9935	9.25	16.94	2.64	> 10 ²⁰
151	241		9/2 ⁻	1.01	0.67	1811.20	4.00	9.36	100.00	0.00	0.00	3.60	35.8754	9.27	17.50	2.39	> 10 ²⁰
152	242			1.02	0.67	1816.28	5.08	9.08	100.00	0.00	0.00	2.71	14.5071	9.64	17.70	2.28	> 10 ²⁰
153	243		7/2 ⁺	1.02	0.68	1819.42	3.15	8.23	100.00	0.00	0.00	4.89	2.1512	9.65	18.05	2.58	> 10 ²⁰
154	244			1.03	0.68	1824.13	4.71	7.86	99.99	0.01	0.00	3.86	2.8545	10.00	18.55	2.74	> 10 ²⁰
155	245		9/2 ⁺	1.03	0.69	1827.05	2.92	7.63	99.60	0.40	0.00	5.46	0.6767	10.00	18.73	2.62	> 10 ²⁰
156	246			1.04	0.69	1831.61	4.56	7.48	99.78	0.22	0.00	4.09	2.2789	10.34	19.03	2.26	> 10 ²⁰

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 90$ (Th)																	
157	247		1/2 ⁺	1.04	0.68	1834.68	3.07	7.63	99.47	0.53	0.00	5.65	1.5834	10.44	19.45	1.93	> 10 ²⁰
158	248			1.04	0.68	1839.06	4.38	7.45	97.78	2.22	0.00	4.66	0.9671	10.69	19.76	1.81	> 10 ²⁰
159	249		1/2 ⁺	1.05	0.66	1842.09	3.03	7.41	91.74	8.26	0.00	6.07	0.8130	10.70	20.08	1.44	> 10 ²⁰
160	250			1.05	0.65	1846.50	4.41	7.44	91.58	8.42	0.00	4.98	0.6503	11.05	20.43	1.10	> 10 ²⁰
161	251		3/2 ⁺	1.06	0.62	1849.39	2.89	7.30	88.69	11.31	0.00	6.50	0.4727	11.06	20.75	0.91	> 10 ²⁰
162	252			1.07	0.63	1853.59	4.20	7.09	86.47	13.53	0.00	5.50	0.3767	11.42	21.08	0.77	> 10 ²⁰
163	253		13/2 ⁻	1.06	0.66	1856.10	2.51	6.71	54.77	45.23	0.00	7.17	0.2872	11.35	21.37	0.83	> 10 ²⁰
164	254			1.05	0.64	1859.81	3.71	6.22	40.24	59.76	0.00	6.32	0.1998	11.65	21.66	1.00	> 10 ²⁰
165	255		9/2 ⁺	1.02	0.66	1861.88	2.07	5.78	29.37	70.62	0.01	7.96	0.1113	12.69	22.93	1.14	> 10 ²⁰
166	256			1.00	0.71	1864.68	2.80	4.87	16.85	83.10	0.05	7.43	0.0271	12.02	22.17	1.77	> 10 ²⁰
167	257		1/2 ⁺	1.00	0.69	1867.21	2.54	5.34	16.79	83.03	0.18	8.69	0.0351	12.03	22.37	0.03	> 10 ²⁰
168	258			1.00	0.68	1871.14	3.92	6.46	2.49	97.50	0.01	6.68	0.0698	12.18	22.69	-0.34	
169	259		15/2 ⁻	0.99	0.66	1873.64	2.50	6.42	13.74	86.23	0.03	8.10	0.0832	12.40	23.12	-0.50	
170	260			0.99	0.63	1877.19	3.55	6.05	13.27	86.72	0.01	7.14	0.0617	12.56	23.35	-0.44	
171	261		3/2 ⁺	0.99	0.64	1879.34	2.16	5.71	6.66	93.02	0.32	8.68	0.0559	12.65	23.69	-0.53	
172	262			0.96	0.59	1883.68	4.34	6.50	19.85	80.15	0.01	6.73	0.1225	12.75	23.91	-1.56	
173	263		5/2 ⁺	1.00	0.62	1884.64	0.95	5.30	17.67	81.65	0.68	10.15	0.0180	12.82	24.34	-0.69	
174	264			1.00	0.61	1887.82	3.18	4.13	0.45	99.36	0.19	8.20	0.0363	13.09	24.61	0.25	> 10 ²⁰
175	265		1/2 ⁺	1.00	0.61	1889.72	1.91	5.09	1.29	5.62	93.09	9.49	0.0379	13.10	24.96	-1.13	
176	266			0.99	0.60	1893.19	3.46	5.37	5.30	94.31	0.24	8.17	0.0526	13.37	25.10	-1.69	
177	267		1/2 ⁺	0.99	0.60	1894.81	1.62	5.08	3.79	80.52	15.66	10.09	0.0288	13.37	25.53	-1.75	
178	268			1.00	0.59	1897.56	2.75	4.37	2.00	97.14	0.73	9.27	0.0247	13.73	25.88	-1.17	
179	269		1/2 ⁺	1.01	0.59	1898.73	1.17	3.92	0.30	0.07	98.81	10.84	0.0181	13.64	26.04	-1.16	
180	270			1.01	0.56	1901.40	2.66	3.84	0.04	11.60	87.45	9.66	0.0204	13.97	26.36	-1.42	
181	271		3/2 ⁺	1.02	0.56	1902.60	1.20	3.87	0.02	0.14	98.69	11.11	0.0175	13.95	26.66	-1.61	
182	272			1.01	0.55	1904.91	2.31	3.52	0.09	0.46	97.96	10.31	0.0161	14.29	26.96	-1.58	
183	273		1/2 ⁺	1.01	0.59	1905.81	0.90	3.21	0.01	0.23	98.12	11.70	0.0147	14.23	27.23	-1.57	
184	274			1.01	0.65	1907.61	1.80	2.70	1.06	0.12	96.21	11.11	0.0110	14.54	27.54	-1.36	
185	275		7/2 ⁻	1.01	0.67	1907.15	-0.46	1.34	12.05	0.79	0.09	13.36	0.0077	14.53	27.86	-0.27	
186	276			1.01	0.67	1908.58	1.43	0.97	0.00	...	...	11.79	0.0094	14.88	28.22	-0.21	
187	277		5/2	1.03	0.64	1907.95	-0.63	0.80	...	...	...	13.86	0.0088	14.96	28.62	-0.37	
188	278			1.03	0.65	1909.20	1.25	0.62	0.00	...	...	12.37	0.0085	15.41	29.09	-0.54	
189	279		9/2 ⁺	0.90	0.63	1909.84	0.65	1.89	...	...	...	13.93	0.0046	15.86	30.57	-2.21	
190	280			0.90	0.63	1911.39	1.54	2.19	0.23	...	...	12.99	0.0041	16.17	30.94	-2.98	
191	281		3/2 ⁺	0.91	0.63	1911.46	0.07	1.62	0.39	0.17	16.01	14.39	0.0038	16.17	31.18	-3.89	
192	282			0.91	0.63	1912.83	1.37	1.45	0.27	3.21	3.28	13.45	0.0034	16.39	31.44	-4.09	
193	283		5/2 ⁺	0.90	0.63	1912.95	0.11	1.49	1.80	0.17	4.77	14.78	0.0033	16.43	31.84	-4.37	
194	284			0.90	0.62	1914.21	1.26	1.38	0.83	2.74	2.32	13.97	0.0029	16.81	32.33	-4.52	
195	285		1/2 ⁺	0.89	0.62	1914.06	-0.16	1.11	0.00	1.34	4.16	15.38	0.0027	16.81	32.73	-4.65	
196	286			0.89	0.61	1915.04	0.98	0.83	1.07	0.82	3.16	14.62	0.0023	17.14	32.93	-4.87	
197	287		9/2 ⁺	0.89	0.62	1914.53	-0.51	0.47	1.61	0.10	1.65	16.20	0.0021	17.17	33.61	-4.91	
198	288			0.90	0.62	1915.91	1.38	0.87	0.00	1.88	0.00	14.85	0.0022	17.92	34.37	-5.51	
199	289		3/2 ⁻	0.91	0.61	1915.57	-0.34	1.04	0.80	0.00	2.54	16.19	0.0020	17.38	34.78	-6.35	
200	290			0.92	0.61	1914.79	-0.78	-1.12	0.00	...	...	16.87	0.0010	16.12	32.50	-4.95	
201	291		15/2 ⁻	0.92	0.61	1914.35	-0.45	-1.22	0.00	0.00	...	16.82	0.0018	17.97	34.72	-5.26	
202	292			0.93	0.60	1915.03	0.68	0.23	0.00	0.00	0.00	16.02	0.0015	18.25	35.04	-4.43	
203	293		7/2 ⁻	0.92	0.58	1916.12	1.10	1.78	...	...	...	15.63	0.0028	18.08	35.07	-8.20	
204	294			0.92	0.57	1916.64	0.52	1.62	0.00	...	...	14.75	0.0027	18.39	35.35	-8.36	
205	295		9/2 ⁻	0.92	0.58	1915.87	-0.77	-0.25	...	...	...	17.48	0.0012	18.40		-6.52	
206	296			0.92	0.57	1916.20	0.33	-0.44	0.00	...	...	16.72	0.0012	18.70		-6.61	
207	297		9/2 ⁺	0.92	0.57	1915.10	-1.10	-0.77	0.00	0.00	...	17.98	0.0011				
208	298			0.92	0.58	1914.89	-0.21	-1.31	0.00	0.00	0.00	17.32	0.0010				
209	299		9/2 ⁺	0.94	0.57	1914.17	-0.72	-0.93	0.00	0.00	0.00	18.10	0.0013				
$Z = 91$ (Pa)																	
109	200	5/2 ⁻	1/2 ⁺	0.98	0.89	1498.15						12.70	0.0957	-2.11	-2.31	9.61	10 ^{-5.17}
110	201	5/2 ⁻		0.95	0.91	1509.55	11.40					10.24	0.1939	-2.08	-1.65	9.61	10 ^{-5.50}
111	202	3/2 ⁻	1/2 ⁺	0.90	0.94	1518.83	9.28	20.68				12.00	0.2097	-1.75	-1.49	9.92	10 ^{-5.89}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 91 (Pa)																	
112	203	3/2 ⁺		0.98	0.84	1530.11	11.29	20.57				10.05	0.2536	-1.49	-1.19	9.38	10 ^{-4.95}
113	204	3/2 ⁺	11/2 ⁺	1.00	0.84	1539.72	9.60	20.89				11.55	0.3189	-1.23	-0.90	8.89	10 ^{-3.34}
114	205	3/2 ⁺		1.00	0.83	1550.66	10.94	20.54				9.71	0.3771	-1.39	-0.68	8.94	10 ^{-3.82}
115	206	3/2 ⁺	1/2 ⁻	1.01	0.81	1560.17	9.51	20.45				11.17	0.3655	-0.99	-0.24	8.74	10 ^{-2.94}
116	207	5/2 ⁻		0.97	0.89	1570.90	10.73	20.24				9.36	0.7238	-1.23	-0.06	8.73	10 ^{-3.26}
117	208	5/2 ⁻	1/2 ⁺	0.98	0.86	1580.24	9.35	20.08				10.83	0.7462	-0.80	0.44	8.46	10 ^{-2.14}
118	209	5/2 ⁻		1.00	0.84	1591.05	10.81	20.16				8.66	1.2278	-0.80	0.92	8.20	10 ^{-1.70}
119	210	1/2 ⁺	1/2 ⁻	1.01	0.84	1600.07	9.01	19.83				10.06	1.2022	-0.43	1.35	8.03	10 ^{-0.84}
120	211	7/2 ⁻		1.02	0.83	1610.50	10.43	19.44				7.87	1.7667	-0.41	1.55	7.93	10 ^{-0.87}
121	212	5/2 ⁻	1/2 ⁻	1.05	0.79	1619.01	8.51	18.94				9.17	3.4315	-0.14	1.89	8.01	10 ^{-0.76}
122	213	7/2 ⁻		1.08	0.78	1628.84	9.84	18.34				7.41	6.0826	-0.12	2.27	8.40	10 ^{-2.30}
123	214	7/2 ⁻	3/2 ⁻	1.09	0.79	1637.25	8.41	18.24				8.71	4.2229	0.21	2.68	8.16	10 ^{-1.26}
124	215	13/2 ⁺		1.12	0.80	1646.96	9.71	18.12				6.89	2.6965	0.22	2.99	7.90	10 ^{-0.77}
125	216	1/2 ⁻	1/2 ⁻	1.14	0.82	1655.21	8.24	17.96				7.59	31.0818	0.57	3.37	7.66	10 ^{0.36}
126	217	7/2 ⁻		1.14	0.90	1664.22	9.01	17.26				4.56	97.1729	0.63	3.78	8.05	10 ^{-1.24}
127	218	5/2 ⁻	9/2 ⁺	1.13	0.82	1670.54	6.32	15.33				5.87	90.3500	0.98	4.23	9.60	10 ^{-5.14}
128	219	5/2 ⁻		1.13	0.79	1678.23	7.69	14.01				3.81	> 100	1.04	4.71	10.51	10 ^{-7.51}
129	220	1/2 ⁻	11/2 ⁺	1.13	0.81	1683.81	5.58	13.28				5.59	52.8219	0.99	4.78	10.79	10 ^{-7.76}
130	221	1/2 ⁻		1.12	0.85	1691.11	7.30	12.88				5.10	21.1703	0.92	5.34	10.70	10 ^{-7.92}
131	222	3/2	1/2	0.89	0.73	1699.40	8.29	15.59				4.40	17.4360	2.41	6.76	7.93	10 ^{-0.53}
132	223	3/2		0.85	0.75	1706.96	7.56	15.85				2.75	56.6636	2.38	7.15	7.10	10 ^{2.01}
133	224	3/2	5/2	0.83	0.75	1713.13	6.17	13.73				3.47	> 100	2.63	7.44	7.81	10 ^{-0.14}
134	225	5/2		0.83	0.75	1720.49	7.36	13.53				1.86	> 100	3.11	8.12	7.62	10 ^{0.16}
135	226	3/2 ⁺	3/2 ⁻	0.85	0.76	1726.30	5.81	13.17				2.86	> 100	3.16	8.63	7.69	10 ^{0.27}
136	227	3/2 ⁺		0.85	0.76	1733.82	7.52	13.33				0.98	> 100	3.88	9.44	6.85	10 ^{2.98}
137	228	3/2 ⁺	3/2 ⁺	0.85	0.75	1739.83	6.02	13.54				1.91	> 100	4.25	10.07	6.13	10 ^{6.46}
138	229	3/2 ⁺		0.87	0.74	1746.83	6.99	13.01				0.26	> 100	4.30	10.66	5.85	10 ^{7.47}
139	230	3/2 ⁺	5/2 ⁻	0.87	0.73	1752.62	5.79	12.78	100.00	0.00	0.00	±	±	4.75	11.38	5.44	10 ^{9.99}
140	231	3/2 ⁺		0.89	0.73	1759.39	6.77	12.57				...	β-stable	4.78	11.96	5.07	10 ^{11.82}
141	232	1/2	5/2	0.89	0.72	1764.87	5.48	12.26	100.00	0.00	0.00	±	±	5.16	12.41	4.66	10 ^{14.88}
142	233	3/2 ⁺		0.90	0.72	1771.43	6.55	12.03	100.00	0.00	0.00	0.61	> 100	5.22	12.86	4.30	10 ^{17.24}
143	234	1/2 ⁺	7/2 ⁻	0.91	0.71	1776.65	5.22	11.77	100.00	0.00	0.00	2.34	> 100	5.64	13.34	4.12	10 ^{19.12}
144	235	1/2 ⁺		0.91	0.69	1782.85	6.20	11.42	100.00	0.00	0.00	1.39	> 100	5.65	13.70	4.01	10 ^{19.73}
145	236	1/2 ⁺	1/2 ⁺	0.92	0.69	1787.80	4.95	11.15	100.00	0.00	0.00	3.01	> 100	6.06	14.14	3.80	> 10 ²⁰
146	237	1/2 ⁺		0.93	0.68	1793.66	5.87	10.82	100.00	0.00	0.00	2.12	> 100	6.03	14.52	3.78	> 10 ²⁰
147	238	1/2 ⁺	5/2 ⁺	0.95	0.67	1798.53	4.87	10.74	100.00	0.00	0.00	3.49	> 100	6.43	14.96	3.42	> 10 ²⁰
148	239	1/2 ⁺		0.96	0.67	1804.18	5.64	10.51	100.00	0.00	0.00	2.73	> 100	6.45	15.35	3.26	> 10 ²⁰
149	240	1/2 ⁺	7/2 ⁺	0.97	0.67	1808.63	4.45	10.10	100.00	0.00	0.00	4.30	22.4422	6.80	15.68	3.24	> 10 ²⁰
150	241	1/2 ⁺		0.98	0.67	1814.02	5.39	9.84	100.00	0.00	0.00	3.39	> 100	6.82	16.07	3.10	> 10 ²⁰
151	242	1/2 ⁺	9/2 ⁻	0.99	0.67	1818.20	4.18	9.57	100.00	0.00	0.00	4.98	81.9792	7.00	16.28	3.05	> 10 ²⁰
152	243	1/2 ⁺		1.00	0.67	1823.53	5.33	9.51	100.00	0.00	0.00	3.87	54.1325	7.26	16.90	2.71	> 10 ²⁰
153	244	1/2 ⁺	7/2 ⁺	1.00	0.69	1827.21	3.68	9.01	100.00	0.00	0.00	5.85	6.9708	7.79	17.44	3.00	> 10 ²⁰
154	245	1/2 ⁺		1.01	0.68	1831.73	4.52	8.20	91.63	8.37	0.00	5.08	7.5564	7.60	17.60	3.20	> 10 ²⁰
155	246	1/2 ⁺	9/2 ⁺	1.02	0.69	1834.93	3.19	7.71	94.97	5.03	0.00	6.72	1.3010	7.88	17.87	3.15	> 10 ²⁰
156	247	1/2 ⁺		1.02	0.69	1839.55	4.62	7.82	39.22	60.78	0.00	5.35	5.7900	7.93	18.28	2.88	> 10 ²⁰
157	248	1/2 ⁺	1/2 ⁺	1.03	0.69	1842.93	3.39	8.01	86.38	13.62	0.00	6.94	3.8900	8.26	18.69	2.41	> 10 ²⁰
158	249	1/2 ⁺		1.03	0.68	1847.38	4.45	7.83	51.75	48.25	0.00	5.88	2.9409	8.32	19.01	2.18	> 10 ²⁰
159	250	3/2 ⁺	1/2 ⁺	1.05	0.65	1850.70	3.32	7.77	68.31	31.69	0.00	7.35	0.8399	8.61	19.32	1.84	> 10 ²⁰
160	251	3/2 ⁺		1.05	0.63	1855.10	4.40	7.72	64.73	35.27	0.00	6.31	0.6647	8.61	19.65	1.56	> 10 ²⁰
161	252	3/2 ⁺	3/2 ⁺	1.06	0.63	1858.31	3.20	7.61	64.51	35.49	0.00	7.86	0.4968	8.92	19.98	1.37	> 10 ²⁰
162	253	3/2 ⁺		1.07	0.63	1862.49	4.18	7.38	35.96	64.04	0.00	6.90	0.3939	8.90	20.32	1.26	> 10 ²⁰
163	254	1/2 ⁺	13/2 ⁻	1.06	0.66	1865.35	2.86	7.04	25.67	74.27	0.06	8.54	0.3933	9.25	20.61	1.27	> 10 ²⁰
164	255	1/2 ⁺		1.05	0.64	1869.05	3.70	6.57	20.00	80.00	0.00	7.68	0.2350	9.24	20.89	1.41	> 10 ²⁰
165	256	1/2 ⁺	9/2 ⁺	1.03	0.66	1871.33	2.27	5.97	17.27	68.56	14.16	9.40	0.1189	9.45	22.13	1.72	> 10 ²⁰
166	257	1/2 ⁻		1.01	0.67	1875.12	3.80	6.07	3.59	96.37	0.04	8.23	0.1653	10.44	22.46	1.34	> 10 ²⁰
167	258	3/2 ⁺	15/2 ⁻	1.01	0.68	1877.04	1.91	5.71	4.31	67.48	28.20	10.06	0.0439	9.82	21.85	0.45	> 10 ²⁰
168	259	3/2 ⁺		1.01	0.66	1880.95	3.92	5.83	8.67	91.27	0.06	8.77	0.0440	9.81	21.99	0.01	> 10 ²⁰

N	A	Ω_{p}^{π}	Ω_{n}^{π}	$\Delta_{\text{LN}_{\text{p}}}$ (MeV)	$\Delta_{\text{LN}_{\text{n}}}$ (MeV)	E_{bind} (MeV)	$S_{1\text{n}}$ (MeV)	$S_{2\text{n}}$ (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_{β} (MeV)	T_{β} (s)	$S_{1\text{p}}$ (MeV)	$S_{2\text{p}}$ (MeV)	Q_{α} (MeV)	T_{α} (s)
$Z = 91$ (Pa)																	
169	260	$3/2^+$	$3/2^+$	1.01	0.64	1883.55	2.59	6.51	5.33	66.54	28.14	9.93	0.0624	9.91	22.31	-0.06	$> 10^{20}$
170	261	$3/2^+$		1.01	0.63	1887.24	3.70	6.29	5.09	94.86	0.05	8.70	0.0658	10.06	22.61	0.01	
171	262	$3/2^+$	$3/2^+$	1.01	0.64	1889.63	2.39	6.09	5.22	46.94	47.84	10.13	0.0647	10.29	22.94	-0.10	
172	263	$11/2^+$		0.97	0.59	1894.00	4.37	6.76	0.00	99.21	0.79	8.16	0.1298	10.32	23.07	-1.08	
173	264	$1/2^+$	$5/2^+$	1.02	0.62	1895.23	1.23	5.60	2.85	58.47	38.68	11.51	0.0226	10.60	23.42	-0.24	$> 10^{20}$
174	265	$1/2$		1.01	0.60	1898.43	3.20	4.43	1.83	59.50	38.63	9.73	0.0418	10.61	23.71	0.80	
175	266	$1/2^+$	$1/2^+$	1.02	0.61	1900.57	2.14	5.34	1.97	26.08	71.89	11.08	0.0399	10.85	23.95	-0.46	
176	267	$3/2^-$		1.01	0.60	1904.11	3.54	5.68	0.24	22.37	77.12	9.73	0.0789	10.93	24.30	-1.09	
177	268	$3/2^-$	$1/2^+$	1.01	0.60	1906.05	1.93	5.47	2.48	2.65	94.50	11.49	0.0473	11.24	24.61	-1.12	$> 10^{20}$
178	269	$3/2^-$		1.01	0.59	1908.79	2.74	4.68	0.12	4.00	95.32	10.66	0.0410	11.23	24.96	-0.68	
179	270	$1/2^-$	$1/2^+$	1.03	0.58	1910.28	1.48	4.23	0.23	0.21	98.76	12.28	0.0286	11.54	25.18	-0.54	
180	271	$1/2^-$		1.04	0.56	1912.93	2.65	4.14	0.00	0.25	19.33	11.06	0.0342	11.53	25.50	-0.80	
181	272	$1/2^-$	$3/2^+$	1.04	0.56	1914.45	1.52	4.17	0.02	0.17	10.18	12.50	0.0289	11.84	25.79	-1.06	$> 10^{20}$
182	273	$1/2^-$		1.04	0.55	1916.73	2.28	3.80	0.00	0.48	0.03	11.74	0.0258	11.81	26.11	-1.00	
183	274	$9/2^-$	$1/2^+$	1.04	0.59	1917.94	1.21	3.49	0.00	0.42	0.21	13.11	0.0247	12.12	26.36	-0.99	
184	275	$9/2^-$		1.04	0.65	1919.73	1.79	3.00	1.54	0.85	0.05	12.54	0.0173	12.11	26.66	-0.81	
185	276	$9/2^-$	$7/2^-$	1.03	0.67	1919.58	-0.14	1.65	0.00	11.77	0.64	14.78	0.0118	12.43	26.96	0.29	$> 10^{20}$
186	277	$9/2^-$		1.03	0.67	1921.03	1.45	1.31	0.00	...	...	13.18	0.0143	12.46	27.33	0.33	$> 10^{20}$
187	278	$1/2$	$5/2$	1.04	0.65	1920.79	-0.25	1.20	...	...	...	15.19	0.0142	12.84	27.79	0.13	$> 10^{20}$
188	279	$3/2^-$		0.89	0.62	1922.99	2.20	1.96	0.00	...	...	12.84	0.0086	13.79	29.20	-0.99	
189	280	$7/2^+$	$13/2^-$	0.90	0.63	1923.60	0.61	2.81	...	...	...	15.01	0.0049	13.75	29.61	-2.31	
190	281	$7/2^+$		0.90	0.63	1925.07	1.47	2.08	0.32	...	...	14.20	0.0040	13.68	29.85	-2.98	
191	282	$7/2^+$	$3/2^+$	0.90	0.63	1925.51	0.44	1.91	0.31	0.19	13.89	15.64	0.0036	14.05	30.21	-3.22	
192	283	$7/2^+$		0.90	0.63	1926.95	1.44	1.88	0.56	2.12	2.09	14.67	0.0033	14.11	30.51	-3.43	
193	284	$7/2^+$	$5/2^+$	0.89	0.63	1927.40	0.45	1.89	1.45	0.38	2.74	15.88	0.0034	14.45	30.88	-3.81	
194	285	$7/2^+$		0.88	0.62	1928.65	1.25	1.70	1.14	0.98	1.18	15.01	0.0031	14.44	31.25	-3.91	
195	286	$7/2^+$	$1/2^+$	0.88	0.62	1928.88	0.23	1.48	1.14	0.09	2.75	16.37	0.0030	14.83	31.64	-4.07	
196	287	$7/2^+$		0.88	0.61	1929.94	1.06	1.29	1.41	0.18	0.86	15.55	0.0026	14.90	32.04	-4.25	
197	288	$7/2^+$	$1/2^-$	0.88	0.62	1929.98	0.04	1.10	0.00	1.31	1.13	16.80	0.0025	15.45	32.62	-4.44	
198	289	$7/2^+$		0.89	0.61	1930.98	0.99	1.03	0.00	1.79	0.00	15.82	0.0025	15.06	32.98	-4.78	
199	290	$7/2^+$	$3/2^-$	0.89	0.61	1930.88	-0.09	0.90	0.00	0.00	2.00	17.24	0.0021	15.31	32.70	-5.22	
200	291	$11/2^-$		0.91	0.61	1930.38	-0.50	-0.59	0.00	...	...	17.63	0.0013	15.59	31.71	-4.09	
201	292	$11/2^-$	$15/2^-$	0.91	0.61	1930.27	-0.12	-0.62	...	...	...	17.87	0.0021	15.92	33.89	-3.79	
202	293	$11/2^-$		0.92	0.60	1930.97	0.71	0.59	0.00	0.00	0.00	17.02	0.0018	15.95	34.20	-4.01	
203	294	$11/2^-$	$5/2^+$	0.93	0.61	1930.61	-0.36	0.35	...	...	...	18.54	0.0017	14.49	32.57	-5.94	
204	295	$7/2^+$		0.90	0.58	1932.57	1.96	1.60	0.00	...	...	16.29	0.0023	15.93	34.32	-7.50	
205	296	$7/2^+$	$9/2^-$	0.90	0.58	1932.13	-0.44	1.52	...	...	...	17.52	0.0021	16.26	34.66	-5.80	
206	297	$7/2^+$		0.90	0.58	1932.30	0.16	-0.27	0.00	0.00	0.00	16.63	0.0022	16.10	34.80	-5.75	
207	298	$7/2^+$	$9/2^+$	0.90	0.58	1931.42	-0.87	-0.71	...	...	...	19.13	0.0012	16.33		-5.65	
208	299	$7/2^+$		0.90	0.58	1931.49	0.06	-0.81	0.00	...	...	18.34	0.0011	16.60		-5.70	
209	300	$7/2^+$	$11/2^+$	0.91	0.60	1930.03	-1.46	-1.39	0.00	0.00	...	20.01	0.0009	15.86			
210	301	$1/2^+$		0.93	0.57	1931.45	1.42	-0.03	0.00	0.00	0.00	18.73	0.0011				
211	302	$1/2^+$	$7/2^-$	0.94	0.58	1930.44	-1.02	0.41	0.00	0.00	0.00	20.32	0.0009				
$Z = 92$ (U)																	
111	203		$1/2^-$	1.00	0.85	1518.44						10.89	0.1109	-0.38	-2.13	10.11	$10^{-6.04}$
112	204			0.99	0.84	1530.00	11.55					8.94	0.1552	-0.12	-1.61	9.93	$10^{-6.70}$
113	205		$1/2^-$	1.00	0.83	1539.60	9.60	21.16				10.28	0.2379	-0.12	-1.34	9.27	$10^{-4.04}$
114	206			1.01	0.83	1550.85	11.26	20.86				8.53	0.3394	0.20	-1.19	9.05	$10^{-4.53}$
115	207		$1/2^-$	1.02	0.81	1560.43	9.57	20.83				9.69	0.3704	0.26	-0.73	8.81	$10^{-2.82}$
116	208			1.04	0.80	1571.54	11.12	20.69				7.92	0.5570	0.65	-0.58	8.80	$10^{-3.85}$
117	209		$1/2^+$	0.99	0.87	1580.68	9.14	20.26				9.59	0.4025	0.44	-0.36	8.77	$10^{-2.70}$
118	210			1.02	0.84	1591.93	11.25	20.39				7.35	0.6760	0.88	0.08	8.48	$10^{-2.96}$
119	211		$1/2^-$	1.02	0.84	1600.98	9.04	20.30				8.74	0.6011	0.91	0.48	8.36	$10^{-1.53}$
120	212			1.03	0.83	1611.80	10.82	19.87				6.42	0.9187	1.30	0.89	8.35	$10^{-2.57}$
121	213		$1/2^-$	1.06	0.79	1620.41	8.60	19.43				7.65	1.3931	1.40	1.26	8.39	$10^{-1.60}$
122	214			1.10	0.78	1630.54	10.14	18.74				5.92	2.7697	1.70	1.58	8.66	$10^{-3.47}$
123	215		$3/2^-$	1.11	0.80	1638.98	8.44	18.58				7.20	1.7182	1.73	1.94	8.46	$10^{-1.82}$

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 92$ (U)																	
124	216			1.13	0.81	1649.06	10.08	18.52				5.37	4.0532	2.10	2.32	8.20	$10^{-2.10}$
125	217		1/2 ⁻	1.15	0.82	1657.34	8.28	18.36				6.09	6.6200	2.13	2.70	7.99	$10^{-0.39}$
126	218			1.15	0.90	1666.72	9.38	17.66				3.04	16.6433	2.50	3.13	8.32	$10^{-2.46}$
127	219		9/2 ⁺	1.15	0.82	1673.02	6.30	15.67				4.43	17.4016	2.48	3.46	9.92	$10^{-5.61}$
128	220			1.15	0.79	1681.22	8.21	14.51				1.81	57.4520	2.99	4.04	10.66	$10^{-8.29}$
129	221		3/2	1.03	0.75	1687.81	6.59	14.80				2.51	> 100	4.00	4.99	10.04	$10^{-5.89}$
130	222			1.03	0.76	1695.74	7.93	14.52				2.87	11.2349	4.63	5.55	9.74	$10^{-6.25}$
131	223		1/2	0.90	0.74	1702.82	7.08	15.01				3.35	22.9498	3.43	5.84	8.30	$10^{-1.33}$
132	224			0.85	0.76	1710.79	7.97	15.05				1.55	> 100	3.83	6.21	7.69	$10^{-0.47}$
133	225		5/2	0.83	0.76	1716.94	6.15	14.12				2.76	> 100	3.82	6.45	8.34	$10^{-1.46}$
134	226			0.84	0.80	1724.70	7.76	13.91				0.81	> 100	4.22	7.33	8.18	$10^{-2.03}$
135	227		3/2 ⁻	0.83	0.78	1731.15	6.44	14.20				1.89	> 100	4.85	8.01	7.64	$10^{0.76}$
136	228			0.84	0.78	1739.01	7.86	14.31				0.04	> 100	5.19	9.07	6.66	$10^{3.42}$
137	229		3/2 ⁺	0.83	0.76	1745.16	6.15	14.01				0.88	> 100	5.32	9.58	6.27	$10^{6.20}$
138	230			0.85	0.75	1752.59	7.43	13.58				...	β -stable	5.76	10.06	5.65	$10^{8.22}$
139	231		5/2 ⁻	0.86	0.74	1758.43	5.85	13.27				0.18	> 100	5.82	10.57	5.44	$10^{10.43}$
140	232			0.86	0.73	1765.69	7.25	13.10				...	β -stable	6.30	11.07	5.14	$10^{11.18}$
141	233		5/2 ⁺	0.87	0.73	1771.26	5.57	12.82				...	β -stable	6.38	11.55	4.91	$10^{13.73}$
142	234			0.88	0.72	1778.20	6.95	12.52				...	β -stable	6.78	12.00	4.70	$10^{14.06}$
143	235		7/2 ⁻	0.88	0.71	1783.45	5.25	12.20				...	β -stable	6.81	12.45	4.55	$10^{16.19}$
144	236			0.89	0.70	1790.02	6.57	11.82				...	β -stable	7.18	12.82	4.48	$10^{15.68}$
145	237		1/2 ⁺	0.89	0.69	1795.01	4.98	11.55	100.00	0.00	0.00	0.60	> 100	7.21	13.27	4.29	$10^{18.25}$
146	238			0.90	0.69	1801.24	6.23	11.21				...	β -stable	7.57	13.60	4.26	$10^{17.45}$
147	239		5/2 ⁺	0.92	0.68	1806.13	4.89	11.12	100.00	0.00	0.00	1.26	> 100	7.59	14.02	3.90	> 10^{20}
148	240			0.93	0.68	1812.15	6.02	10.91	100.00	0.00	0.00	0.35	> 100	7.97	14.42	3.79	> 10^{20}
149	241		7/2 ⁺	0.95	0.68	1816.63	4.48	10.50	100.00	0.00	0.00	1.92	70.9913	8.00	14.80	3.77	> 10^{20}
150	242			0.96	0.67	1822.40	5.77	10.25	100.00	0.00	0.00	1.00	> 100	8.38	15.20	3.63	> 10^{20}
151	243		9/2 ⁻	0.97	0.67	1826.62	4.22	9.99	100.00	0.00	0.00	2.59	> 100	8.42	15.42	3.51	> 10^{20}
152	244			0.99	0.68	1832.28	5.66	9.88	100.00	0.00	0.00	1.49	> 100	8.75	16.00	3.21	> 10^{20}
153	245		7/2 ⁺	0.99	0.69	1836.03	3.75	9.41	100.00	0.00	0.00	3.47	14.0344	8.81	16.60	3.47	> 10^{20}
154	246			1.00	0.68	1840.86	4.84	8.59	100.00	0.00	0.00	2.70	20.0684	9.13	16.73	3.71	> 10^{20}
155	247		9/2 ⁺	1.01	0.69	1844.12	3.25	8.09	100.00	0.00	0.00	4.34	2.2698	9.19	17.07	3.60	> 10^{20}
156	248			1.01	0.69	1849.09	4.98	8.23	100.00	0.00	0.00	3.14	9.8631	9.55	17.48	3.33	> 10^{20}
157	249		11/2 ⁻	1.02	0.68	1852.47	3.38	8.36	100.00	0.00	0.00	4.50	11.3706	9.54	17.79	2.87	> 10^{20}
158	250			1.03	0.67	1857.27	4.80	8.17	100.00	0.00	0.00	3.44	5.6424	9.89	18.21	2.64	> 10^{20}
159	251		1/2 ⁺	1.04	0.65	1860.63	3.36	8.16	100.00	0.00	0.00	4.86	4.2258	9.93	18.54	2.34	> 10^{20}
160	252			1.04	0.63	1865.38	4.75	8.11	100.00	0.00	0.00	3.81	2.9340	10.28	18.88	1.97	> 10^{20}
161	253		3/2 ⁺	1.05	0.63	1868.60	3.22	7.97	99.99	0.01	0.00	5.33	1.8633	10.29	19.21	1.78	> 10^{20}
162	254			1.06	0.63	1873.11	4.51	7.73	99.84	0.16	0.00	4.38	1.2817	10.62	19.52	1.68	> 10^{20}
163	255		13/2 ⁻	1.06	0.66	1875.95	2.84	7.35	94.65	5.35	0.00	6.08	0.9575	10.60	19.85	1.73	> 10^{20}
164	256			1.07	0.63	1879.95	4.00	6.84	82.49	17.51	0.00	5.24	0.6614	10.89	20.13	1.94	> 10^{20}
165	257		9/2 ⁺	1.04	0.65	1882.57	2.63	6.62	61.35	38.65	0.00	6.64	0.4539	11.25	20.70	1.82	> 10^{20}
166	258			1.03	0.66	1886.31	3.74	6.36	59.73	40.27	0.00	5.83	0.2716	11.19	21.63	1.80	> 10^{20}
167	259		13/2 ⁻	1.02	0.66	1888.94	2.62	6.36	31.15	68.85	0.00	6.86	0.3276	11.90	21.72	1.24	> 10^{20}
168	260			1.02	0.65	1892.69	3.76	6.38	67.71	32.29	0.00	6.04	0.1326	11.74	21.55	0.28	> 10^{20}
169	261		15/2 ⁻	1.03	0.65	1895.17	2.47	6.23	25.42	74.58	0.00	7.39	0.1421	11.62	21.53	0.34	> 10^{20}
170	262			1.02	0.63	1898.98	3.81	6.28	32.88	67.12	0.00	6.33	0.1203	11.73	21.79	0.46	> 10^{20}
171	263		3/2 ⁺	1.03	0.64	1901.38	2.40	6.21	17.03	82.93	0.03	7.62	0.1331	11.75	22.04	0.55	> 10^{20}
172	264			0.99	0.60	1905.96	4.59	6.99	34.04	65.96	0.00	5.83	0.2636	11.96	22.28	-0.48	
173	265		5/2 ⁺	1.03	0.61	1907.38	1.42	6.00	40.41	59.50	0.09	8.90	0.0445	12.15	22.74	0.26	> 10^{20}
174	266			1.03	0.60	1910.87	3.49	4.91	1.24	98.75	0.01	7.14	0.0860	12.44	23.05	1.11	> 10^{20}
175	267		1/2 ⁺	1.03	0.60	1913.06	2.19	5.68	9.24	37.28	53.48	8.41	0.0893	12.48	23.33	-0.12	
176	268			1.02	0.60	1916.75	3.69	5.88	7.52	92.43	0.05	7.21	0.1100	12.64	23.56	-0.64	
177	269		1/2 ⁺	1.02	0.60	1918.67	1.92	5.61	8.96	90.59	0.45	9.00	0.0624	12.62	23.86	-0.65	
178	270			1.03	0.60	1921.77	3.10	5.02	5.07	94.68	0.25	8.14	0.0559	12.98	24.22	-0.29	
179	271		1/2 ⁺	1.05	0.58	1923.21	1.43	4.54	0.34	41.39	58.27	9.79	0.0362	12.93	24.48	-0.11	
180	272			1.06	0.56	1926.16	2.95	4.39	0.01	99.66	0.03	8.50	0.0462	13.23	24.77	-0.31	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 92 (U)																	
181	273		3/2 ⁺	1.06	0.55	1927.68	1.52	4.47	0.04	0.08	99.49	9.88	0.0409	13.24	25.08	-0.66	
182	274			1.06	0.55	1930.26	2.58	4.10	0.17	99.21	0.00	9.09	0.0361	13.53	25.35	-0.57	
183	275		1/2 ⁺	1.06	0.59	1931.48	1.22	3.80	0.01	0.20	99.11	10.41	0.0335	13.54	25.67	-0.58	
184	276			1.06	0.65	1933.59	2.11	3.33	0.96	0.09	97.47	9.90	0.0220	13.86	25.98	-0.38	
185	277		7/2 ⁻	1.05	0.67	1933.43	-0.16	1.95	12.02	0.69	0.27	12.17	0.0146	13.84	26.27	0.68	> 10 ²⁰
186	278			1.05	0.67	1935.20	1.77	1.61	4.03	0.05	0.02	10.59	0.0177	14.16	26.62	0.71	> 10 ²⁰
187	279		5/2	1.05	0.64	1935.05	-0.15	1.62	17.04	0.00	3.45	12.55	0.0186	14.26	27.09	0.40	> 10 ²⁰
188	280			0.88	0.62	1937.83	2.78	2.63	4.27	20.04	3.98	11.30	0.0072	14.84	28.63	-0.96	
189	281		13/2 ⁻	0.88	0.62	1938.48	0.65	3.44	0.10	16.08	23.71	12.67	0.0067	14.89	28.64	-2.24	
190	282			0.88	0.62	1940.36	1.88	2.54	0.82	22.36	18.13	11.81	0.0057	15.30	28.98	-2.87	
191	283		3/2 ⁺	0.88	0.62	1940.83	0.47	2.35	0.87	4.38	23.86	13.27	0.0050	15.33	29.38	-2.69	
192	284			0.88	0.62	1942.50	1.66	2.13	0.21	15.59	8.15	12.30	0.0046	15.55	29.66	-2.81	
193	285		5/2 ⁺	0.88	0.63	1942.88	0.38	2.05	1.47	2.09	13.92	13.71	0.0043	15.48	29.93	-3.12	
194	286			0.87	0.62	1944.47	1.59	1.97	0.44	8.24	6.98	12.81	0.0040	15.82	30.26	-3.34	
195	287		1/2 ⁺	0.87	0.62	1944.70	0.24	1.82	1.26	1.29	7.58	14.10	0.0040	15.82	30.65	-3.46	
196	288			0.87	0.61	1946.00	1.30	1.53	0.94	4.44	3.82	13.31	0.0035	16.06	30.96	-3.49	
197	289		1/2 ⁻	0.87	0.62	1946.02	0.01	1.31	1.27	0.92	9.74	14.54	0.0034	16.03	31.49	-3.66	
198	290			0.88	0.61	1947.34	1.33	1.34	0.00	...	...	13.17	0.0040	16.37	31.43	-4.01	
199	291		3/2 ⁻	0.88	0.61	1947.23	-0.12	1.21	...	...	...	14.56	0.0035	16.34	31.66	-4.40	
200	292			0.91	0.61	1947.35	0.13	0.01	0.00	...	...	14.00	0.0029	16.97	32.56	-3.14	
201	293		9/2 ⁺	0.92	0.60	1947.21	-0.14	-0.01	...	...	...	15.53	0.0026	16.94	32.87	-3.35	
202	294			0.92	0.59	1948.37	1.16	1.02	1.36	...	...	14.68	0.0021	17.40	33.35	-5.28	
203	295		5/2 ⁺	0.92	0.60	1948.08	-0.29	0.87	5.54	1.60	2.59	16.05	0.0021	17.47	31.96	-5.44	
204	296			0.93	0.60	1948.87	0.79	0.50	2.69	2.45	0.91	15.40	0.0018	16.30	32.23	-5.55	
205	297		1/2 ⁻	0.93	0.62	1948.15	-0.73	0.06	0.92	0.00	6.37	16.94	0.0015	16.01	32.28	-3.73	
206	298			0.88	0.58	1949.77	1.62	0.90	0.00	...	...	15.17	0.0020	17.47	33.57	-4.83	
207	299		9/2 ⁺	0.88	0.58	1949.05	-0.72	0.90	...	...	...	16.49	0.0019	17.63	33.95	-4.89	
208	300			0.88	0.58	1949.26	0.20	-0.51	0.53	...	...	16.67	0.0011	17.77	34.37	-4.76	
209	301		9/2 ⁺	0.92	0.58	1949.41	0.15	0.35	0.03	0.00	4.25	17.30	0.0016	19.38	35.24	-6.01	
210	302			0.92	0.56	1949.98	0.57	0.72	0.00	...	...	16.45	0.0014	18.52		-6.80	
211	303		7/2 ⁻	0.92	0.58	1948.98	-1.00	-0.43	...	...	...	18.02	0.0012	18.54		-6.52	
212	304			0.92	0.58	1947.28	-1.70	-2.70	0.00	0.00	0.00	18.99	0.0005				
213	305		11/2 ⁺	0.93	0.57	1948.02	0.74	-0.96	0.00	0.00	0.00	16.59	0.0025				
Z = 93 (Np)																	
113	206	5/2 ⁻	1/2 ⁻	0.96	0.83	1537.68						12.39	0.1950	-1.92	-2.03	9.44	10 ^{-4.08}
114	207	5/2 ⁻		0.98	0.82	1548.98	11.29					10.67	0.2506	-1.88	-1.68	9.43	10 ^{-4.40}
115	208	3/2 ⁺	1/2 ⁻	1.01	0.81	1558.68	9.70	21.00				12.08	0.1966	-1.75	-1.49	9.34	10 ^{-3.81}
116	209	3/2 ⁺		1.02	0.80	1569.85	11.17	20.88				10.05	0.2744	-1.69	-1.04	9.10	10 ^{-3.54}
117	210	3/2 ⁺	3/2 ⁻	1.06	0.79	1579.38	9.52	20.70				11.77	0.2121	-1.30	-0.87	9.09	10 ^{-3.16}
118	211	5/2 ⁻		1.04	0.85	1590.38	11.00	20.52				9.82	0.5450	-1.56	-0.68	8.82	10 ^{-2.77}
119	212	5/2 ⁻	1/2 ⁻	1.04	0.85	1599.83	9.45	20.45				11.19	0.5096	-1.15	-0.24	8.71	10 ^{-2.13}
120	213	5/2 ⁻		1.04	0.84	1610.63	10.80	20.25				8.99	0.6744	-1.17	0.13	8.72	10 ^{-2.50}
121	214	5/2 ⁻	1/2 ⁻	1.07	0.79	1619.64	9.01	19.81				10.12	1.0246	-0.77	0.63	8.73	10 ^{-2.18}
122	215	11/2 ⁺		1.10	0.78	1629.74	10.10	19.11				8.46	0.8625	-0.80	0.90	9.06	10 ^{-3.42}
123	216	11/2 ⁺	3/2 ⁻	1.11	0.80	1638.51	8.77	18.88				9.77	0.6722	-0.47	1.26	8.79	10 ^{-2.35}
124	217	11/2 ⁺		1.14	0.82	1648.52	10.01	18.78				8.04	2.3335	-0.54	1.56	8.62	10 ^{-2.20}
125	218	13/2 ⁺	1/2 ⁻	1.17	0.82	1657.07	8.55	18.56				8.87	1.3142	-0.27	1.86	8.48	10 ^{-1.45}
126	219	1/2		1.17	0.90	1666.58	9.52	18.06				5.65	3.8694	-0.13	2.37	8.67	10 ^{-2.37}
127	220	13/2 ⁺	9/2 ⁺	1.16	0.82	1673.24	6.66	16.18				7.20	2.3838	0.23	2.71	10.26	10 ^{-6.01}
128	221	1/2		1.16	0.79	1681.55	8.31	14.97				5.48	4.3455	0.33	3.32	10.96	10 ^{-7.85}
129	222	7/2 ⁻	3/2 ⁺	1.13	0.78	1687.60	6.05	14.36				7.36	5.9149	-0.21	3.79	11.23	10 ^{-8.02}
130	223	7/2		0.92	0.75	1697.36	9.75	15.81				4.68	17.3156	1.62	6.25	9.16	10 ^{-3.71}
131	224	1/2	1/2	0.89	0.76	1704.14	6.78	16.53				5.87	11.9541	1.32	4.74	7.97	10 ^{0.12}
132	225	1/2		0.85	0.80	1712.08	7.94	14.72				4.08	9.6343	1.29	5.12	7.32	10 ^{2.02}
133	226	1/2	5/2	0.84	0.78	1718.92	6.84	14.78				5.00	18.5896	1.98	5.80	8.77	10 ^{-2.29}
134	227	5/2 ⁺		0.84	0.82	1727.12	8.19	15.04				3.24	24.6910	2.42	6.63	8.14	10 ^{-0.75}
135	228	5/2 ⁺	1/2 ⁻	0.83	0.79	1733.96	6.84	15.04				4.26	44.4974	2.82	7.67	7.46	10 ^{1.87}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 93 (Np)																	
136	229	5/2 ⁺		0.83	0.79	1741.89	7.93	14.77				2.48	50.4503	2.88	8.08	6.89	10 ^{3.68}
137	230	5/2 ⁺	3/2 ⁺	0.84	0.77	1748.43	6.54	14.47				3.37	51.1309	3.28	8.60	6.16	10 ^{7.24}
138	231	5/2 ⁺		0.84	0.76	1755.97	7.53	14.07				1.68	> 100	3.38	9.14	6.15	10 ^{6.95}
139	232	5/2 ⁺	5/2 ⁻	0.84	0.75	1762.26	6.29	13.82				2.65	> 100	3.82	9.64	5.88	10 ^{8.64}
140	233	5/2 ⁺		0.84	0.74	1769.60	7.34	13.63				0.88	> 100	3.91	10.20	5.53	10 ^{10.18}
141	234	5/2 ⁺	5/2 ⁺	0.84	0.73	1775.56	5.96	13.30				1.86	> 100	4.30	10.69	5.35	10 ^{11.50}
142	235	5/2 ⁺		0.85	0.73	1782.59	7.03	12.99				0.08	> 100	4.39	11.16	5.10	10 ^{12.74}
143	236	5/2 ⁺	7/2 ⁻	0.87	0.72	1788.18	5.59	12.62	100.00	0.00	0.00	±	±	4.73	11.54	4.99	10 ^{13.78}
144	237	5/2 ⁺		0.87	0.71	1794.83	6.64	12.24				...	β-stable	4.80	11.98	4.89	10 ^{14.05}
145	238	5/2 ⁺	1/2 ⁺	0.87	0.70	1800.15	5.33	11.97	100.00	0.00	0.00	±	±	5.15	12.36	4.79	10 ^{15.14}
146	239	5/2 ⁺		0.88	0.69	1806.61	6.46	11.78	100.00	0.00	0.00	0.61	> 100	5.37	12.95	4.53	10 ^{16.64}
147	240	5/2 ⁺	5/2 ⁺	0.89	0.68	1811.72	5.11	11.57	100.00	0.00	0.00	2.21	> 100	5.59	13.19	4.37	10 ^{18.24}
148	241	5/2 ⁺		0.91	0.68	1817.76	6.04	11.15	100.00	0.00	0.00	1.31	> 100	5.62	13.59	4.20	10 ^{19.35}
149	242	5/2 ⁺	7/2 ⁺	0.92	0.68	1822.62	4.85	10.90	100.00	0.00	0.00	2.90	> 100	5.99	13.99	4.21	10 ^{19.56}
150	243	5/2 ⁺		0.92	0.67	1828.43	5.81	10.67	100.00	0.00	0.00	2.04	52.6510	6.03	14.41	4.04	> 10 ²⁰
151	244	5/2 ⁺	9/2 ⁻	0.94	0.68	1832.99	4.56	10.37	100.00	0.00	0.00	3.69	44.0922	6.37	14.79	3.94	> 10 ²⁰
152	245	5/2 ⁺		0.95	0.68	1838.72	5.73	10.29	100.00	0.00	0.00	2.82	22.1105	6.44	15.19	3.60	> 10 ²⁰
153	246	5/2 ⁺	7/2 ⁺	0.96	0.69	1842.78	4.06	9.79	100.00	0.00	0.00	4.63	9.3281	6.75	15.57	3.72	> 10 ²⁰
154	247	5/2 ⁺		0.97	0.68	1847.68	4.89	8.96	100.00	0.00	0.00	3.86	6.5868	6.81	15.94	4.15	10 ^{19.73}
155	248	5/2 ⁻	1/2 ⁺	0.97	0.69	1851.45	3.78	8.68	100.00	0.00	0.00	5.30	73.6410	7.34	16.53	4.05	> 10 ²⁰
156	249	5/2 ⁻		0.99	0.69	1856.19	4.73	8.51	99.35	0.65	0.00	4.36	33.8746	7.09	16.64	3.84	> 10 ²⁰
157	250	5/2 ⁻	11/2 ⁻	1.00	0.69	1859.93	3.74	8.47	99.60	0.40	0.00	5.77	39.7571	7.45	16.99	3.30	> 10 ²⁰
158	251	5/2 ⁻		1.01	0.68	1864.71	4.79	8.53	98.67	1.33	0.00	4.76	15.4069	7.45	17.33	3.13	> 10 ²⁰
159	252	1/2 ⁺	1/2 ⁺	1.02	0.66	1868.41	3.69	8.48	98.49	1.51	0.00	6.23	10.3279	7.78	17.71	2.82	> 10 ²⁰
160	253	1/2 ⁺		1.03	0.63	1873.15	4.74	8.43	82.99	17.01	0.00	5.18	6.7049	7.76	18.04	2.53	> 10 ²⁰
161	254	1/2 ⁺	3/2 ⁺	1.04	0.63	1876.71	3.56	8.30	82.64	17.36	0.00	6.72	3.9046	8.11	18.40	2.28	> 10 ²⁰
162	255	1/2 ⁺		1.05	0.63	1881.25	4.53	8.10	74.58	25.42	0.00	5.76	2.5852	8.14	18.76	2.15	> 10 ²⁰
163	256	1/2 ⁺	13/2 ⁻	1.06	0.66	1884.40	3.15	7.69	68.08	31.92	0.00	7.48	1.7795	8.45	19.05	2.20	> 10 ²⁰
164	257	3/2 ⁺		1.06	0.64	1888.44	4.03	7.19	34.77	65.23	0.00	6.61	0.6322	8.49	19.38	2.35	> 10 ²⁰
165	258	3/2 ⁺	9/2 ⁺	1.04	0.65	1891.36	2.92	6.96	35.60	64.32	0.07	8.02	0.4638	8.79	20.03	2.29	> 10 ²⁰
166	259	3/2 ⁺		1.03	0.66	1895.02	3.66	6.58	19.42	80.58	0.00	7.25	0.2513	8.71	19.89	2.33	> 10 ²⁰
167	260	1/2 ⁻	11/2 ⁺	1.03	0.66	1897.95	2.93	6.59	18.63	78.66	2.72	8.26	0.3474	9.01	20.91	1.67	> 10 ²⁰
168	261	1/2 ⁻		1.03	0.64	1901.78	3.83	6.76	1.27	98.73	0.00	7.34	0.2986	9.08	20.82	1.64	> 10 ²⁰
169	262	1/2 ⁻	15/2 ⁻	1.03	0.64	1904.53	2.75	6.58	1.00	98.71	0.29	8.94	0.2321	9.36	20.98	0.81	> 10 ²⁰
170	263	1/2 ⁻		1.04	0.62	1908.22	3.69	6.44	1.26	98.74	0.00	7.72	0.2366	9.24	20.97	1.03	> 10 ²⁰
171	264	1/2 ⁻	3/2 ⁺	1.04	0.63	1911.01	2.79	6.48	3.78	61.35	34.87	8.95	0.3167	9.63	21.38	0.83	> 10 ²⁰
172	265	7/2 ⁻		1.00	0.60	1915.50	4.49	7.28	11.37	88.63	0.00	7.28	0.5059	9.53	21.49	0.04	> 10 ²⁰
173	266	3/2 ⁺	5/2 ⁺	1.05	0.61	1917.23	1.74	6.22	9.61	90.14	0.25	10.26	0.0552	9.85	22.00	0.70	> 10 ²⁰
174	267	3/2 ⁺		1.05	0.60	1920.68	3.45	5.18	3.21	96.77	0.02	8.64	0.0948	9.81	22.25	1.62	> 10 ²⁰
175	268	3/2 ⁺	1/2 ⁺	1.05	0.60	1923.18	2.49	5.95	3.66	43.66	52.68	9.97	0.0929	10.12	22.60	0.35	> 10 ²⁰
176	269	11/2 ⁺		1.04	0.60	1926.89	3.71	6.21	0.00	95.92	4.08	8.71	0.1173	10.14	22.78	-0.16	
177	270	11/2 ⁺	1/2 ⁺	1.04	0.60	1929.13	2.24	5.95	3.78	40.90	55.32	10.56	0.0647	10.46	23.08	-0.26	
178	271	1/2 ⁻		1.04	0.60	1932.21	3.09	5.32	0.25	66.05	33.65	9.61	0.0983	10.44	23.42	0.20	> 10 ²⁰
179	272	13/2 ⁺	1/2 ⁺	1.07	0.58	1933.88	1.67	4.76	0.18	33.58	66.06	11.36	0.0399	10.67	23.61	0.46	> 10 ²⁰
180	273	13/2 ⁺		1.07	0.57	1936.78	2.89	4.56	0.00	35.89	63.94	10.14	0.0515	10.61	23.85	0.31	> 10 ²⁰
181	274	13/2 ⁺	3/2 ⁺	1.07	0.56	1938.57	1.80	4.69	0.05	0.01	99.61	11.57	0.0421	10.89	24.13	0.00	> 10 ²⁰
182	275	11/2 ⁺		1.08	0.55	1941.11	2.54	4.33	0.00	33.23	11.10	10.86	0.0362	10.85	24.38	0.12	> 10 ²⁰
183	276	3/2	1/2	1.08	0.59	1942.71	1.60	4.13	0.26	0.00	24.51	12.14	0.0452	11.23	24.77	0.03	> 10 ²⁰
184	277	1/2		1.08	0.65	1944.81	2.10	3.70	0.95	21.79	0.06	11.53	0.0315	11.22	25.08	0.22	> 10 ²⁰
185	278	3/2	7/2	1.07	0.66	1945.01	0.20	2.30	0.00	8.78	26.05	13.76	0.0187	11.58	25.42	1.23	> 10 ²⁰
186	279	1/2		1.06	0.64	1946.81	1.80	2.00	3.08	2.82	0.01	12.21	0.0246	11.61	25.78	1.21	> 10 ²⁰
187	280	5/2 ⁺	7/2 ⁻	0.87	0.63	1948.34	1.53	3.34	0.27	0.00	12.86	12.76	0.0134	13.30	27.56	-0.46	
188	281	5/2 ⁺		0.87	0.63	1950.37	2.03	3.56	0.54	0.64	3.02	11.19	0.0218	12.54	27.38	-1.04	
189	282	5/2 ⁺	9/2 ⁺	0.87	0.63	1951.40	1.02	3.05	1.12	2.10	23.02	13.53	0.0095	12.91	27.80	-2.31	
190	283	5/2 ⁺		0.87	0.63	1953.32	1.93	2.95	0.43	23.50	0.39	12.72	0.0078	12.96	28.26	-2.04	
191	284	5/2 ⁺	3/2 ⁺	0.88	0.62	1954.02	0.69	2.62	0.52	0.57	33.15	14.15	0.0067	13.18	28.51	-2.12	
192	285	5/2 ⁺		0.87	0.62	1955.81	1.79	2.49	0.49	3.92	11.17	13.31	0.0057	13.31	28.86	-2.45	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 93 (Np)																	
193	286	5/2 ⁺	5/2 ⁺	0.87	0.63	1956.49	0.69	2.48	1.23	0.19	8.09	14.63	0.0056	13.61	29.09	-2.69	
194	287	5/2 ⁺		0.86	0.62	1958.02	1.53	2.21	0.85	0.98	3.08	13.77	0.0051	13.56	29.37	-2.78	
195	288	5/2 ⁺	1/2 ⁺	0.86	0.62	1958.53	0.51	2.04	0.87	0.03	5.29	14.99	0.0053	13.82	29.65	-2.84	
196	289	5/2 ⁺		0.86	0.61	1959.77	1.24	1.75	0.77	0.44	1.03	13.90	0.0054	13.77	29.83	-2.82	
197	290	5/2 ⁺	9/2 ⁺	0.87	0.63	1959.73	-0.04	1.20	0.79	0.41	1.26	15.67	0.0045	13.72	29.75	-2.56	
198	291	5/2 ⁺		0.87	0.63	1961.01	1.27	1.24	0.81	0.69	0.00	14.74	0.0040	13.66	30.03	-2.77	
199	292	3/2 ⁺	7/2 ⁻	0.91	0.64	1960.57	-0.44	0.83	0.00	2.43	3.21	16.36	0.0030	13.34	29.68	-2.29	
200	293	3/2 ⁺		0.91	0.62	1961.96	1.40	0.96	3.22	2.18	0.00	15.29	0.0031	14.61	31.58	-2.69	
201	294	3/2 ⁺	9/2 ⁺	0.91	0.60	1962.27	0.31	1.70	0.00	1.34	1.55	16.52	0.0032	15.06	32.00	-3.09	
202	295	3/2 ⁺		0.92	0.60	1963.35	1.08	1.39	2.06	2.91	0.00	15.82	0.0025	14.98	32.38	-4.68	
203	296	3/2 ⁺	5/2 ⁺	0.91	0.60	1963.49	0.14	1.22	8.28	0.40	2.71	17.18	0.0024	15.41	32.88	-4.93	
204	297	3/2 ⁺		0.91	0.60	1964.31	0.81	0.95	0.00	...	...	16.35	0.0021	15.43	31.73	-5.03	
205	298	3/2 ⁺	7/2 ⁺	0.92	0.62	1964.16	-0.14	0.67	...	...	...	17.80	0.0020	16.01	32.03	-5.25	
206	299	3/2 ⁺		0.92	0.62	1964.76	0.59	0.45	0.00	...	...	16.89	0.0018	14.98	32.46	-3.89	
207	300	5/2 ⁻	3/2 ⁺	0.91	0.60	1965.14	0.39	0.98	...	...	...	17.94	0.0020	16.09	33.72	-4.71	
208	301	5/2 ⁻		0.91	0.58	1965.92	0.78	1.17	0.00	...	...	17.07	0.0017	16.67	34.43	-5.33	
209	302	5/2 ⁻	9/2 ⁺	0.91	0.58	1965.65	-0.28	0.50	...	...	...	18.43	0.0017	16.24	35.62	-5.93	
210	303	5/2 ⁻		0.91	0.57	1966.21	0.57	0.29	0.00	...	...	17.58	0.0014	16.24	34.76	-6.43	
211	304	5/2 ⁻	7/2 ⁻	0.91	0.58	1965.48	-0.73	-0.16	...	...	...	19.20	0.0012	16.50	35.05	-7.16	
212	305	7/2 ⁺		0.91	0.58	1963.82	-1.66	-2.39	0.00	0.00	0.00	20.12	0.0005	16.55		-4.07	
213	306	5/2 ⁻	11/2 ⁺	0.92	0.58	1964.79	0.96	-0.70	0.00	0.00	...	19.60	0.0011	16.77		-6.05	
214	307	5/2 ⁻		0.93	0.57	1964.81	0.02	0.99	0.00	0.00	0.00	18.80	0.0010				
215	308	5/2 ⁻	9/2 ⁻	0.94	0.58	1963.60	-1.21	-1.18	0.00	0.00	0.00	20.21	0.0008				
Z = 94 (Pu)																	
115	209		1/2 ⁻	1.00	0.81	1558.32						10.75	0.1497	-0.35	-2.10	9.57	10 ^{-4.12}
116	210			1.03	0.80	1569.80	11.47					8.80	0.2246	-0.06	-1.75	9.35	10 ^{-4.63}
117	211		3/2 ⁻	1.04	0.79	1579.43	9.64	21.11				10.16	0.1823	0.05	-1.25	9.29	10 ^{-3.40}
118	212			1.07	0.80	1590.67	11.24	20.88				8.37	0.3024	0.30	-1.26	9.17	10 ^{-4.14}
119	213		1/2 ⁻	1.05	0.85	1600.04	9.36	20.60				9.81	0.2684	0.21	-0.94	8.94	10 ^{-2.47}
120	214			1.05	0.84	1611.23	11.20	20.56				7.62	0.3558	0.61	-0.56	8.99	10 ^{-3.68}
121	215		1/2 ⁻	1.07	0.80	1620.26	9.02	20.22				8.70	0.4668	0.62	-0.15	9.02	10 ^{-2.67}
122	216			1.11	0.78	1630.76	10.50	19.52				6.97	0.8382	1.02	0.22	9.34	10 ^{-4.59}
123	217		3/2 ⁻	1.12	0.80	1639.57	8.81	19.31				8.17	0.7699	1.06	0.59	9.13	10 ^{-2.99}
124	218			1.15	0.82	1649.98	10.41	19.22				6.30	1.1348	1.46	0.92	8.86	10 ^{-3.30}
125	219		1/2 ⁻	1.18	0.82	1658.63	8.65	19.06				7.17	1.7189	1.56	1.29	8.65	10 ^{-1.64}
126	220			1.18	0.90	1668.44	9.81	18.46				4.03	3.3339	1.85	1.72	8.92	10 ^{-3.47}
127	221		9/2 ⁺	1.17	0.82	1675.19	6.75	16.56				5.58	3.2071	1.94	2.17	10.45	10 ^{-6.17}
128	222			1.18	0.79	1683.85	8.67	15.41				2.97	4.7326	2.30	2.63	11.16	10 ^{-8.71}
129	223		3/2	1.02	0.75	1691.23	7.38	16.04				5.35	3.0982	3.62	3.41	10.08	10 ^{-5.34}
130	224			0.94	0.75	1699.97	8.74	16.12				3.39	5.9751	2.61	4.23	9.55	10 ^{-5.13}
131	225		1/2	0.91	0.76	1706.94	6.97	15.71				4.36	6.0836	2.80	4.11	9.18	10 ^{-3.10}
132	226			0.86	0.79	1715.37	8.43	15.40				2.78	19.4684	3.28	4.57	8.67	10 ^{-2.77}
133	227		3/2	0.85	0.79	1722.17	6.80	15.23				4.17	29.5557	3.24	5.22	8.95	10 ^{-2.49}
134	228			0.82	0.82	1730.84	8.67	15.47				2.35	47.3796	3.72	6.13	8.25	10 ^{-1.50}
135	229		1/2 ⁻	0.82	0.80	1737.69	6.86	15.53				3.42	93.5705	3.73	6.55	7.55	10 ^{1.90}
136	230			0.82	0.79	1746.07	8.38	15.23				1.58	> 100	4.18	7.06	6.93	10 ^{3.18}
137	231		3/2 ⁺	0.82	0.77	1752.63	6.56	14.94				2.55	> 100	4.20	7.48	6.81	10 ^{4.75}
138	232			0.82	0.76	1760.64	8.00	14.57				0.83	> 100	4.67	8.05	6.67	10 ^{4.28}
139	233		5/2 ⁻	0.82	0.75	1766.97	6.33	14.34				1.84	> 100	4.72	8.54	6.48	10 ^{6.14}
140	234			0.83	0.76	1774.71	7.74	14.08				0.06	> 100	5.12	9.03	6.17	10 ^{6.55}
141	235		5/2 ⁺	0.83	0.75	1780.75	6.03	13.78				1.06	> 100	5.19	9.49	5.98	10 ^{8.54}
142	236			0.83	0.74	1788.21	7.46	13.49				...	β -stable	5.62	10.00	5.77	10 ^{8.54}
143	237		7/2 ⁻	0.83	0.73	1793.86	5.65	13.11				0.18	> 100	5.68	10.41	5.69	10 ^{10.05}
144	238			0.85	0.72	1800.91	7.05	12.70				...	β -stable	6.09	10.89	5.59	10 ^{9.56}
145	239		1/2 ⁺	0.86	0.71	1806.43	5.52	12.57				...	β -stable	6.28	11.43	5.32	10 ^{12.20}
146	240			0.87	0.70	1813.15	6.71	12.23				...	β -stable	6.54	11.91	5.17	10 ^{12.01}
147	241		5/2 ⁺	0.88	0.70	1818.30	5.15	11.86	100.00	0.00	0.00	...	β -stable	6.57	12.17	5.01	10 ^{14.15}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 94 (Pu)																	
148	242			0.89	0.69	1824.74	6.45	11.59				...	β -stable	6.98	12.59	4.79	$10^{14.54}$
149	243		7/2 ⁺	0.90	0.69	1829.69	4.95	11.39	100.00	0.00	0.00	0.59	> 100	7.07	13.06	4.74	$10^{16.02}$
150	244			0.91	0.69	1835.90	6.21	11.16				...	β -stable	7.47	13.50	4.55	$10^{16.35}$
151	245		9/2 ⁻	0.93	0.67	1840.75	4.85	11.06	100.00	0.00	0.00	1.08	> 100	7.76	14.13	4.18	> 10^{20}
152	246			0.94	0.68	1846.63	5.88	10.73	100.00	0.00	0.00	0.43	> 100	7.91	14.35	4.07	> 10^{20}
153	247		7/2 ⁺	0.94	0.69	1850.75	4.12	10.00	100.00	0.00	0.00	2.19	> 100	7.97	14.73	4.16	> 10^{20}
154	248			0.95	0.69	1855.97	5.22	9.34	100.00	0.00	0.00	1.46	> 100	8.30	15.11	4.60	$10^{15.93}$
155	249		1/2 ⁺	0.97	0.69	1859.77	3.80	9.02	100.00	0.00	0.00	2.91	> 100	8.31	15.65	4.55	$10^{17.37}$
156	250			0.97	0.69	1864.92	5.15	8.94	100.00	0.00	0.00	1.88	> 100	8.73	15.82	4.24	$10^{18.79}$
157	251		11/2 ⁻	0.98	0.69	1868.70	3.78	8.93	100.00	0.00	0.00	3.27	> 100	8.77	16.23	3.71	> 10^{20}
158	252			0.99	0.68	1873.86	5.16	8.94	100.00	0.00	0.00	2.25	51.2868	9.14	16.59	3.53	> 10^{20}
159	253		1/2 ⁺	1.01	0.65	1877.54	3.68	8.84	100.00	0.00	0.00	3.75	25.1823	9.13	16.91	3.23	> 10^{20}
160	254			1.02	0.63	1882.65	5.11	8.79	100.00	0.00	0.00	2.70	15.7870	9.50	17.27	2.91	> 10^{20}
161	255		3/2 ⁺	1.03	0.63	1886.22	3.57	8.68	100.00	0.00	0.00	4.22	8.3905	9.51	17.62	2.70	> 10^{20}
162	256			1.04	0.63	1891.10	4.88	8.45	100.00	0.00	0.00	3.23	6.2832	9.85	17.99	2.58	> 10^{20}
163	257		13/2 ⁻	1.05	0.66	1894.26	3.16	8.04	100.00	0.00	0.00	4.97	4.2787	9.86	18.31	2.64	> 10^{20}
164	258			1.05	0.65	1898.60	4.34	7.50	99.82	0.18	0.00	4.11	2.9042	10.16	18.66	2.81	> 10^{20}
165	259		9/2 ⁺	1.05	0.65	1901.48	2.88	7.23	95.20	4.80	0.00	5.58	1.6441	10.12	18.91	2.76	> 10^{20}
166	260			1.03	0.66	1905.42	3.94	6.82	92.84	7.16	0.00	4.83	0.7985	10.40	19.11	2.82	> 10^{20}
167	261		11/2 ⁺	1.03	0.66	1908.33	2.91	6.85	86.15	13.85	0.00	5.83	0.5153	10.39	19.40	2.54	> 10^{20}
168	262			1.03	0.64	1912.68	4.34	7.26	93.07	6.93	0.00	4.77	0.6840	10.90	19.98	1.93	> 10^{20}
169	263		15/2 ⁻	1.04	0.64	1915.15	2.48	6.82	82.70	17.30	0.00	6.57	0.3115	10.63	19.99	2.08	> 10^{20}
170	264			1.05	0.62	1919.17	4.02	6.49	79.86	20.14	0.00	5.49	0.2554	10.95	20.20	1.82	> 10^{20}
171	265		3/2 ⁺	1.05	0.63	1921.99	2.82	6.84	29.04	70.96	0.00	6.43	0.5239	10.98	20.61	1.47	> 10^{20}
172	266			1.01	0.60	1926.71	4.72	7.53	77.68	22.32	0.00	4.86	0.7716	11.21	20.74	0.56	> 10^{20}
173	267		5/2 ⁺	1.06	0.60	1928.54	1.83	6.55	65.19	34.81	0.00	7.67	0.1263	11.31	21.16	1.14	> 10^{20}
174	268			1.06	0.59	1932.36	3.82	5.66	12.98	87.02	0.00	6.12	0.2439	11.68	21.49	1.90	> 10^{20}
175	269		1/2 ⁺	1.07	0.60	1934.82	2.46	6.28	13.37	86.61	0.02	7.41	0.2293	11.65	21.77	0.85	> 10^{20}
176	270			1.05	0.60	1938.90	4.08	6.54	18.94	81.06	0.00	6.11	0.3390	12.01	22.15	0.26	> 10^{20}
177	271		1/2 ⁺	1.05	0.60	1941.04	2.14	6.22	13.95	86.00	0.05	8.02	0.1432	11.91	22.37	0.31	> 10^{20}
178	272			1.06	0.60	1944.46	3.41	5.55	7.71	92.29	0.00	7.16	0.1258	12.24	22.68	0.59	> 10^{20}
179	273		1/2 ⁺	1.09	0.57	1946.14	1.68	5.10	0.46	99.29	0.25	8.78	0.0819	12.26	22.93	0.83	> 10^{20}
180	274			1.09	0.56	1949.36	3.22	4.90	0.04	99.89	0.06	7.50	0.1147	12.58	23.19	0.71	> 10^{20}
181	275		3/2 ⁺	1.09	0.55	1951.19	1.83	5.05	0.06	12.92	87.02	8.87	0.0932	12.62	23.51	0.31	> 10^{20}
182	276			1.10	0.54	1954.06	2.87	4.70	0.15	99.64	0.13	8.09	0.0793	12.95	23.80	0.40	> 10^{20}
183	277		1/2 ⁺	1.10	0.59	1955.56	1.50	4.37	0.14	0.06	99.51	9.44	0.0679	12.85	24.08	0.42	> 10^{20}
184	278			1.09	0.65	1957.98	2.42	3.92	0.90	98.31	0.07	8.81	0.0463	13.17	24.39	0.58	> 10^{20}
185	279		3/2	1.08	0.66	1958.24	0.26	2.68	14.75	0.72	83.54	10.95	0.0311	13.23	24.81	1.54	> 10^{20}
186	280			1.08	0.65	1960.32	2.08	2.34	3.46	0.06	92.71	9.66	0.0302	13.51	25.12	1.56	> 10^{20}
187	281		1/2	1.05	0.64	1960.78	0.46	2.54	22.27	3.68	0.08	11.31	0.0433	12.44	25.73	0.94	> 10^{20}
188	282			0.87	0.64	1964.14	3.36	3.82	13.47	34.03	14.26	9.94	0.0133	13.77	26.31	-0.65	
189	283		9/2 ⁺	0.87	0.63	1965.26	1.11	4.48	3.54	24.31	43.77	11.23	0.0135	13.86	26.77	-1.91	
190	284			0.86	0.64	1967.39	2.13	3.24	3.33	38.06	36.62	10.43	0.0105	14.06	27.02	-1.26	
191	285		3/2 ⁺	0.86	0.63	1968.34	0.95	3.08	3.44	13.76	36.81	11.74	0.0101	14.32	27.50	-1.56	
192	286			0.86	0.63	1970.34	2.00	2.95	2.97	26.90	15.73	10.95	0.0083	14.53	27.84	-1.68	
193	287		5/2 ⁺	0.86	0.63	1971.02	0.68	2.68	1.37	0.90	28.40	11.15	0.0173	14.52	28.14	-1.88	
194	288			0.86	0.63	1972.74	1.72	2.40	6.23	13.05	16.14	11.51	0.0066	14.71	28.27	-1.94	
195	289		1/2 ⁺	0.86	0.64	1972.89	0.16	1.88	1.65	6.97	15.57	12.93	0.0062	14.36	28.19	-1.72	
196	290			0.86	0.63	1974.62	1.73	1.88	0.95	6.76	29.95	12.02	0.0055	14.85	28.61	-1.85	
197	291		9/2 ⁺	0.86	0.63	1974.96	0.34	2.07	0.77	1.00	7.85	13.11	0.0065	15.23	28.94	-1.96	
198	292			0.89	0.64	1976.15	1.19	1.53	2.09	0.68	3.13	12.65	0.0046	15.14	28.81	-1.85	
199	293		7/2 ⁻	0.89	0.63	1976.47	0.32	1.51	2.19	0.47	1.93	14.10	0.0039	15.90	29.24	-2.16	
200	294			0.90	0.62	1978.01	1.54	1.86	2.29	1.19	2.18	13.19	0.0036	16.05	30.66	-2.37	
201	295		9/2 ⁺	0.90	0.60	1978.39	0.38	1.92	0.63	0.94	1.55	14.37	0.0038	16.12	31.18	-2.87	
202	296			0.90	0.60	1979.89	1.50	1.88	1.80	2.06	0.11	13.48	0.0032	16.53	31.52	-4.24	
203	297		5/2 ⁺	0.90	0.60	1979.87	-0.02	1.48	4.95	1.17	1.31	15.08	0.0028	16.38	31.79	-4.37	
204	298			0.90	0.60	1981.17	1.30	1.28	2.38	2.75	0.12	14.03	0.0028	16.87	32.30	-4.51	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 94 (Pu)																	
205	299		7/2 ⁺	0.91	0.61	1980.87	-0.31	0.99	0.24	1.86	2.85	15.68	0.0024	16.70	32.72	-4.49	
206	300			0.90	0.61	1982.30	1.43	1.12	0.87	3.45	0.33	14.47	0.0025	17.54	32.53	-5.13	
207	301		3/2 ⁺	0.89	0.60	1982.21	-0.09	1.34	0.12	0.00	3.50	15.67	0.0026	17.06	33.16	-5.76	
208	302			0.90	0.59	1983.29	1.08	0.99	0.55	3.18	0.40	14.73	0.0024	17.37	34.03	-5.22	
209	303		9/2 ⁺	0.90	0.58	1983.02	-0.27	0.81	0.03	0.00	3.28	16.08	0.0023	17.37	33.61	-5.67	
210	304			0.90	0.57	1983.90	0.89	0.61	0.00	4.18	0.00	15.21	0.0020	17.69	33.92	-6.35	
211	305		7/2 ⁻	0.90	0.58	1983.16	-0.74	0.15	5.04	0.00	2.89	16.84	0.0016	17.68	34.18	-5.46	
212	306			0.91	0.57	1983.60	0.44	-0.30	0.00	...	...	15.95	0.0016	19.78	36.32	-5.33	
213	307		11/2 ⁺	0.91	0.58	1982.83	-0.77	-0.34	0.00	0.00	...	17.15	0.0016	18.04	34.81	-5.55	
214	308			0.92	0.57	1983.03	0.20	-0.57	0.00	0.00	0.00	16.45	0.0013	18.22		-7.46	
215	309		9/2 ⁻	0.93	0.57	1982.07	-0.96	-0.75	0.00	0.00	...	17.67	0.0012	18.47		-5.76	
216	310			0.94	0.56	1982.31	0.23	-0.73	0.00	0.00	0.00	16.87	0.0011				
217	311		1/2 ⁻	0.94	0.57	1981.29	-1.02	-0.78	0.00	0.00	0.00	17.99	0.0011				
218	312			0.95	0.56	1981.62	0.33	-0.69	0.00	0.00	0.00	17.14	0.0010				
Z = 95 (Am)																	
117	212		5/2 ⁺	1.04	0.79	1577.38						12.51	0.1144	-2.05	-2.00	9.60	10 ^{-3.79}
118	213		5/2 ⁺	1.04	0.80	1588.72	11.34					10.53	0.1528	-1.95	-1.65	9.43	10 ^{-3.71}
119	214		5/2 ⁺	1.09	0.79	1598.12	9.40	20.75				12.33	0.1460	-1.91	-1.70	9.55	10 ^{-3.68}
120	215		9/2 ⁺	1.05	0.85	1609.31	11.18	20.58				10.17	0.1815	-1.93	-1.32	9.37	10 ^{-3.55}
121	216		3/2 ⁻	1.07	0.80	1618.66	9.35	20.53				11.32	0.3626	-1.60	-0.98	9.47	10 ^{-3.47}
122	217		3/2 ⁻	1.11	0.78	1629.23	10.57	19.92				9.56	0.6101	-1.53	-0.51	9.69	10 ^{-4.38}
123	218		3/2 ⁻	1.13	0.80	1638.37	9.14	19.72				10.82	0.5110	-1.19	-0.14	9.56	10 ^{-3.70}
124	219		7/2 ⁻	1.15	0.84	1648.74	10.37	19.51				9.10	0.6769	-1.24	0.22	9.29	10 ^{-3.35}
125	220		11/2 ⁺	1.19	0.82	1657.66	8.91	19.28				10.00	0.5376	-0.97	0.59	9.15	10 ^{-2.63}
126	221		3/2 ⁻	1.18	0.89	1667.64	9.98	18.90				6.76	1.2612	-0.80	1.06	9.17	10 ^{-3.04}
127	222		7/2 ⁻	1.18	0.82	1674.63	6.99	16.97				8.44	2.1262	-0.56	1.39	10.73	10 ^{-6.42}
128	223		3/2 ⁻	1.17	0.79	1683.51	8.88	15.87				6.93	0.6714	-0.34	1.96	11.37	10 ^{-8.05}
129	224		3/2 ⁺	1.15	0.79	1690.04	6.53	15.41				9.15	0.5238	-1.19	2.43	11.50	10 ^{-7.97}
130	225		5/2 ⁻	0.94	0.77	1700.04	10.00	16.53				6.11	1.5392	0.07	2.68	9.81	10 ^{-4.66}
131	226		5/2 ⁻	0.88	0.82	1707.35	7.31	17.31				7.23	7.1631	0.42	3.21	8.55	10 ^{-0.93}
132	227		5/2 ⁻	0.85	0.87	1716.10	8.75	16.07				5.28	10.3807	0.74	4.02	9.55	10 ^{-4.03}
133	228		5/2 ⁻	0.84	0.84	1723.61	7.51	16.26				6.44	17.8457	1.44	4.69	8.82	10 ^{-1.73}
134	229		5/2 ⁻	0.83	0.83	1732.35	8.74	16.25				4.56	24.1306	1.51	5.23	8.03	10 ^{0.36}
135	230		5/2 ⁻	0.83	0.81	1739.61	7.25	16.00				5.68	42.2921	1.91	5.64	7.61	10 ^{2.12}
136	231		5/2 ⁻	0.83	0.81	1748.01	8.40	15.66				3.84	59.4971	1.94	6.12	7.40	10 ^{2.54}
137	232		5/2 ⁻	0.83	0.79	1754.98	6.96	15.37				4.88	53.0344	2.34	6.54	7.28	10 ^{3.33}
138	233		5/2 ⁻	0.83	0.78	1763.08	8.10	15.06				3.11	> 100	2.44	7.11	7.11	10 ^{3.65}
139	234		5/2 ⁻	0.81	0.77	1769.81	6.73	14.83				4.12	> 100	2.84	7.55	6.92	10 ^{4.75}
140	235		5/2 ⁻	0.81	0.76	1777.66	7.85	14.59				2.31	> 100	2.95	8.06	6.60	10 ^{5.78}
141	236		5/2 ⁻	0.81	0.75	1784.08	6.42	14.28				3.34	> 100	3.33	8.52	6.47	10 ^{6.71}
142	237		5/2 ⁻	0.82	0.74	1791.60	7.52	13.94				1.48	> 100	3.39	9.01	6.29	10 ^{7.20}
143	238		5/2 ⁻	0.82	0.73	1797.67	6.07	13.59				2.46	> 100	3.81	9.49	6.19	10 ^{8.04}
144	239		5/2 ⁻	0.82	0.72	1804.76	7.09	13.15				0.89	> 100	3.84	9.93	6.13	10 ^{7.97}
145	240		5/2 ⁻	0.84	0.71	1810.69	5.93	13.02				±	±	4.26	10.54	5.79	10 ^{10.07}
146	241		5/2 ⁻	0.85	0.70	1817.47	6.78	12.72				0.04		4.33	10.86	5.65	10 ^{10.49}
147	242		5/2 ⁻	0.86	0.70	1823.01	5.53	12.32	100.00	0.00	0.00	±	±	4.71	11.29	5.44	10 ^{12.01}
148	243		5/2 ⁻	0.86	0.69	1829.50	6.49	12.03				0.13		4.76	11.73	5.41	10 ^{11.88}
149	244		5/2 ⁻	0.87	0.69	1834.82	5.32	11.81	100.00	0.00	0.00	±	±	5.13	12.20	5.20	10 ^{13.50}
150	245		5/2 ⁻	0.89	0.69	1841.05	6.23	11.55	100.00	0.00	0.00	0.91	> 100	5.15	12.62	5.01	10 ^{14.37}
151	246		5/2 ⁻	0.90	0.68	1846.27	5.22	11.46	100.00	0.00	0.00	2.37	> 100	5.52	13.29	4.64	10 ^{17.32}
152	247		5/2 ⁻	0.91	0.69	1852.16	5.89	11.11	100.00	0.00	0.00	1.54	> 100	5.53	13.45	4.56	10 ^{17.56}
153	248		5/2 ⁻	0.91	0.68	1856.65	4.49	10.38	100.00	0.00	0.00	3.40	> 100	5.90	13.87	4.63	10 ^{17.41}
154	249		5/2 ⁻	0.92	0.69	1861.90	5.24	9.74	100.00	0.00	0.00	2.66	> 100	5.93	14.22	5.11	10 ^{13.69}
155	250		5/2 ⁺	0.94	0.69	1866.02	4.12	9.36	100.00	0.00	0.00	4.16	40.0956	6.24	14.56	5.06	10 ^{14.38}
156	251		5/2 ⁺	0.95	0.69	1871.19	5.17	9.29	100.00	0.00	0.00	3.16	23.6211	6.27	15.00	4.78	10 ^{15.95}
157	252		5/2 ⁺	0.96	0.69	1875.33	4.14	9.31	100.00	0.00	0.00	4.68	21.1622	6.63	15.40	4.43	10 ^{18.99}
158	253		5/2 ⁺	0.97	0.68	1880.51	5.18	9.32	100.00	0.00	0.00	3.48	16.5794	6.65	15.79	3.98	> 10 ²⁰

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 95 (Am)																	
159	254	5/2 ⁺	1/2 ⁺	0.98	0.66	1884.57	4.06	9.24	100.00	0.00	0.00	4.99	13.6702	7.02	16.16	3.66	> 10 ²⁰
160	255	5/2 ⁺		0.99	0.64	1889.66	5.10	9.16	100.00	0.00	0.00	3.96	8.2596	7.01	16.52	3.35	> 10 ²⁰
161	256	5/2 ⁺	3/2 ⁺	1.01	0.63	1893.55	3.89	8.99	100.00	0.00	0.00	5.54	4.6701	7.33	16.84	3.15	> 10 ²⁰
162	257	5/2 ⁺		1.02	0.63	1898.44	4.89	8.78	98.92	1.08	0.00	4.59	3.7812	7.34	17.19	3.00	> 10 ²⁰
163	258	5/2 ⁺	13/2 ⁻	1.03	0.66	1901.93	3.49	8.38	96.72	3.28	0.00	6.34	2.7497	7.68	17.53	3.07	> 10 ²⁰
164	259	5/2 ⁺		1.04	0.65	1906.29	4.35	7.84	77.59	22.41	0.00	5.51	1.9403	7.68	17.85	3.26	> 10 ²⁰
165	260	5/2 ⁺	9/2 ⁺	1.04	0.65	1909.47	3.19	7.54	59.29	40.71	0.00	6.98	1.2778	7.99	18.11	3.22	> 10 ²⁰
166	261	5/2 ⁺		1.02	0.66	1913.39	3.91	7.10	37.01	62.99	0.00	6.27	0.5638	7.96	18.37	3.35	> 10 ²⁰
167	262	5/2 ⁺	11/2 ⁺	1.02	0.66	1916.66	3.28	7.19	34.31	65.69	0.00	7.46	0.4409	8.33	18.72	2.99	> 10 ²⁰
168	263	5/2 ⁺		1.02	0.64	1920.94	4.28	7.55	29.66	70.34	0.00	6.10	0.7136	8.26	19.16	2.37	> 10 ²⁰
169	264	5/2 ⁺	15/2 ⁻	1.04	0.63	1923.88	2.94	7.22	45.96	54.04	0.00	7.79	0.4196	8.73	19.36	2.36	> 10 ²⁰
170	265	5/2 ⁺		1.06	0.61	1927.64	3.76	6.70	36.37	63.63	0.00	7.21	0.1819	8.47	19.42	2.43	> 10 ²⁰
171	266	7/2 ⁻	3/2 ⁺	1.06	0.62	1930.79	3.15	6.91	5.24	93.91	0.85	7.86	1.2814	8.80	19.78	2.03	> 10 ²⁰
172	267	3/2 ⁻		1.01	0.61	1935.43	4.64	7.79	62.91	37.09	0.00	6.35	1.4881	8.72	19.93	1.08	> 10 ²⁰
173	268	5/2 ⁺	5/2 ⁺	1.07	0.60	1937.70	2.28	6.92	36.93	63.06	0.01	8.91	0.1741	9.17	20.47	1.60	> 10 ²⁰
174	269	5/2 ⁺		1.07	0.59	1941.45	3.75	6.02	6.19	93.81	0.00	7.60	0.2379	9.09	20.77	2.34	> 10 ²⁰
175	270	5/2 ⁺	1/2 ⁺	1.07	0.59	1944.23	2.78	6.53	6.69	75.11	18.20	8.89	0.2388	9.41	21.05	1.30	> 10 ²⁰
176	271	7/2 ⁻		1.05	0.60	1948.28	4.05	6.83	12.76	87.16	0.08	7.64	0.7057	9.37	21.39	0.70	> 10 ²⁰
177	272	7/2 ⁻	1/2 ⁺	1.05	0.61	1950.83	2.55	6.60	25.37	53.02	21.61	9.33	0.3417	9.79	21.70	0.64	> 10 ²⁰
178	273	1/2 ⁻		1.06	0.61	1954.14	3.31	5.86	4.20	94.16	1.64	8.59	0.2543	9.68	21.92	1.05	> 10 ²⁰
179	274	11/2 ⁺	1/2 ⁺	1.10	0.57	1956.08	1.94	5.25	0.26	49.37	50.37	10.28	0.0904	9.94	22.19	1.35	> 10 ²⁰
180	275	11/2 ⁺		1.10	0.56	1959.28	3.20	5.14	0.00	52.82	47.17	9.10	0.1178	9.92	22.50	1.23	> 10 ²⁰
181	276	11/2 ⁺	3/2 ⁺	1.11	0.56	1961.37	2.09	5.29	0.07	51.33	48.59	10.52	0.0944	10.18	22.79	0.81	> 10 ²⁰
182	277	13/2 ⁺		1.11	0.54	1964.22	2.86	4.95	0.00	50.53	49.43	9.76	0.0821	10.16	23.11	0.85	> 10 ²⁰
183	278	7/2 ⁺	1/2 ⁺	1.11	0.59	1966.01	1.79	4.64	0.00	0.04	99.89	11.15	0.0754	10.45	23.30	0.86	> 10 ²⁰
184	279	3/2		1.11	0.64	1968.41	2.40	4.19	0.00	46.51	53.19	10.53	0.0523	10.43	23.60	1.00	> 10 ²⁰
185	280	3/2	3/2	1.09	0.65	1969.19	0.78	3.18	10.91	0.00	40.48	12.48	0.0435	10.96	24.19	1.81	> 10 ²⁰
186	281	3/2		1.08	0.64	1971.31	2.11	2.90	0.00	2.22	42.63	11.09	0.0436	10.99	24.50	1.80	> 10 ²⁰
187	282	1/2 ⁻	7/2 ⁻	0.88	0.64	1973.31	2.00	4.11	2.91	1.91	36.89	11.58	0.0229	12.53	24.96	0.00	> 10 ²⁰
188	283	1/2 ⁻		0.87	0.64	1975.70	2.39	4.39	4.74	4.87	28.41	10.03	0.0391	11.56	25.33	-0.59	
189	284	1/2 ⁻	9/2 ⁺	0.87	0.64	1977.04	1.34	3.73	6.75	0.57	36.14	11.03	0.0482	11.78	25.64	-0.40	
190	285	1/2 ⁻		0.87	0.64	1979.30	2.26	3.60	4.76	19.75	13.94	10.31	0.0329	11.91	25.97	-0.63	
191	286	1/2 ⁻	3/2 ⁺	0.86	0.63	1980.51	1.21	3.47	5.81	4.98	44.25	11.87	0.0253	12.17	26.49	-0.82	
192	287	5/2 ⁻		0.87	0.67	1981.39	0.88	2.09	3.07	1.91	15.95	12.24	0.0102	11.05	25.58	0.23	> 10 ²⁰
193	288	1/2 ⁻	5/2 ⁺	0.86	0.63	1983.47	2.08	2.96	4.33	1.17	37.10	12.72	0.0154	12.45	26.97	-1.15	
194	289	11/2 ⁻		0.86	0.64	1985.04	1.57	3.65	0.08	6.24	17.36	12.20	0.0104	12.30	27.01	-0.93	
195	290	11/2 ⁻	1/2 ⁺	0.86	0.64	1985.86	0.82	2.39	1.37	0.14	20.29	13.75	0.0088	12.96	27.33	-1.07	
196	291	1/2 ⁺		0.88	0.66	1987.29	1.43	2.25	3.78	1.06	2.18	13.18	0.0069	12.67	27.52	-0.97	
197	292	1/2 ⁺	5/2 ⁻	0.88	0.65	1988.02	0.73	2.16	4.47	0.22	5.18	14.65	0.0063	13.05	28.28	-1.19	
198	293	1/2 ⁺		0.88	0.64	1989.78	1.77	2.49	2.73	1.91	0.15	13.66	0.0056	13.63	28.78	-1.72	
199	294	1/2 ⁺	7/2 ⁻	0.88	0.63	1990.42	0.63	2.40	1.65	1.01	1.67	15.09	0.0047	13.95	29.85	-2.39	
200	295	1/2 ⁺		0.89	0.62	1991.99	1.57	2.20	2.00	2.06	0.57	14.20	0.0044	13.97	30.02	-2.68	
201	296	1/2 ⁺	9/2 ⁺	0.89	0.62	1992.59	0.61	2.17	1.77	0.66	2.21	15.49	0.0045	14.20	30.32	-3.73	
202	297	7/2 ⁺		0.89	0.60	1994.17	1.58	2.18	0.05	1.93	1.53	14.45	0.0038	14.28	30.81	-3.91	
203	298	1/2 ⁺	5/2 ⁺	0.89	0.60	1994.43	0.26	1.83	0.04	3.62	2.53	15.96	0.0037	14.55	30.93	-3.86	
204	299	1/2 ⁺		0.89	0.60	1995.77	1.34	1.60	0.74	3.26	1.12	15.12	0.0032	14.59	31.46	-4.11	
205	300	1/2 ⁺	7/2 ⁺	0.89	0.61	1995.98	0.22	1.56	1.36	2.02	1.97	16.42	0.0032	15.12	31.82	-4.20	
206	301	1/2 ⁺		0.89	0.61	1997.09	1.11	1.33	3.17	2.36	0.59	15.53	0.0027	14.79	32.33	-4.49	
207	302	5/2 ⁺	3/2 ⁺	0.88	0.60	1997.24	0.15	1.25	0.02	0.00	0.59	16.77	0.0028	15.03	32.09	-4.78	
208	303	5/2 ⁺		0.88	0.59	1998.32	1.08	1.23	0.02	0.20	0.26	15.84	0.0025	15.03	32.40	-5.26	
209	304	5/2 ⁺	9/2 ⁺	0.88	0.58	1998.33	0.01	1.09	0.02	0.00	0.23	17.21	0.0024	15.31	32.69	-4.89	
210	305	5/2 ⁺		0.89	0.57	1999.22	0.89	0.90	0.00	0.21	0.00	16.35	0.0021	15.31	33.00	-5.00	
211	306	5/2 ⁺	7/2 ⁻	0.89	0.58	1998.77	-0.45	0.44	0.00	0.00	3.84	17.97	0.0017	15.60	33.28	-4.83	
212	307	5/2 ⁺		0.90	0.57	1999.19	0.43	-0.02	0.00	...	...	17.10	0.0017	15.59	35.37	-4.68	
213	308	5/2 ⁺	11/2 ⁺	0.90	0.58	1998.70	-0.49	-0.07	...	...	...	18.34	0.0017	15.87	33.91	-4.92	
214	309	5/2 ⁺		0.91	0.57	1998.96	0.26	-0.23	0.00	0.00	0.00	17.60	0.0014	15.93	34.15	-6.84	
215	310	5/2 ⁺	9/2 ⁻	0.91	0.57	1998.39	-0.57	-0.31	...	...	...	18.74	0.0014	16.32	34.79	-5.31	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 95 (Am)																	
216	311	5/2 ⁺		0.92	0.56	1998.50	0.11	-0.46	0.00	0.00	0.00	18.07	0.0012	16.19		-5.39	
217	312	5/2 ⁺	1/2 ⁻	0.92	0.56	1997.97	-0.52	-0.42	0.00	0.00	...	19.14	0.0012	16.69		-6.07	
218	313	5/2 ⁺		0.93	0.55	1998.28	0.31	-0.22	0.00	0.00	0.00	18.25	0.0012	16.66			
219	314	5/2 ⁺	3/2 ⁻	0.94	0.56	1997.50	-0.79	-0.48	...	...	...	19.65	0.0010				
220	315	5/2 ⁺		0.94	0.55	1997.68	0.18	-0.60	0.00	0.00	0.00	18.66	0.0010				
Z = 96 (Cm)																	
119	215		13/2 ⁺	1.07	0.79	1597.90						10.62	0.1298	-0.22	-2.13	9.83	10 ^{-4.09}
120	216			1.06	0.85	1609.18	11.28					8.69	0.1629	-0.12	-2.05	9.79	10 ^{-5.05}
121	217		1/2 ⁻	1.07	0.81	1618.58	9.40	20.68				9.86	0.1847	-0.07	-1.68	9.75	10 ^{-3.89}
122	218			1.11	0.78	1629.59	11.01	20.41				8.00	0.3301	0.36	-1.17	9.94	10 ^{-5.43}
123	219		3/2 ⁻	1.14	0.81	1638.76	9.17	20.18				9.20	0.2640	0.39	-0.81	9.80	10 ^{-4.01}
124	220			1.16	0.84	1649.55	10.79	19.96				7.33	0.3672	0.80	-0.43	9.51	10 ^{-4.35}
125	221		1/2 ⁻	1.20	0.83	1658.57	9.02	19.81				8.29	0.5640	0.91	-0.06	9.29	10 ^{-2.72}
126	222			1.20	0.90	1668.86	10.29	19.31				4.99	1.1192	1.22	0.42	9.42	10 ^{-4.12}
127	223		9/2 ⁺	1.19	0.82	1676.01	7.15	17.44				6.72	0.9627	1.38	0.82	10.92	10 ^{-6.56}
128	224			1.15	0.80	1685.46	9.45	16.60				3.80	1.5092	1.95	1.61	11.27	10 ^{-8.35}
129	225		3/2 ⁺	1.16	0.79	1691.73	6.27	15.73				7.53	0.5337	1.69	0.50	11.75	10 ^{-8.20}
130	226			0.97	0.76	1702.11	10.38	16.65				4.46	1.8364	2.07	2.14	10.04	10 ^{-5.66}
131	227		1/2	0.92	0.79	1709.34	7.22	17.60				5.99	1.4076	1.98	2.40	10.19	10 ^{-4.95}
132	228			0.85	0.87	1718.54	9.20	16.42				4.29	4.0771	2.43	3.17	9.73	10 ^{-4.92}
133	229		3/2 ⁻	0.84	0.86	1726.04	7.51	16.71				5.53	6.1995	2.43	3.88	9.19	10 ^{-2.44}
134	230			0.83	0.85	1735.18	9.13	16.64				3.65	7.8795	2.83	4.34	8.48	10 ^{-1.48}
135	231		1/2 ⁻	0.83	0.83	1742.45	7.27	16.41				4.78	12.5848	2.84	4.76	8.01	10 ^{1.08}
136	232			0.83	0.82	1751.27	8.82	16.09				2.92	17.3174	3.26	5.20	7.86	10 ^{0.53}
137	233		3/2 ⁺	0.82	0.80	1758.28	7.00	15.83				4.02	17.7259	3.30	5.64	7.71	10 ^{2.12}
138	234			0.80	0.80	1766.77	8.50	15.50				2.25	43.0442	3.70	6.13	7.59	10 ^{1.47}
139	235		5/2 ⁻	0.80	0.78	1773.55	6.78	15.28				3.33	> 100	3.74	6.58	7.38	10 ^{3.33}
140	236			0.80	0.77	1781.82	8.27	15.05				1.48	> 100	4.16	7.10	7.12	10 ^{3.28}
141	237		5/2 ⁺	0.80	0.76	1788.26	6.44	14.71				2.56	29.7592	4.18	7.51	7.01	10 ^{4.79}
142	238			0.81	0.76	1796.19	7.93	14.38				0.69	> 100	4.59	7.99	6.82	10 ^{4.52}
143	239		7/2 ⁻	0.81	0.74	1802.32	6.12	14.06				1.66	> 100	4.65	8.45	6.73	10 ^{5.96}
144	240			0.81	0.73	1809.98	7.66	13.79				...	β -stable	5.23	9.07	6.52	10 ^{5.81}
145	241		1/2 ⁺	0.81	0.72	1815.86	5.87	13.54				0.83	> 100	5.17	9.42	6.30	10 ^{7.90}
146	242			0.84	0.71	1823.05	7.19	13.07				...	β -stable	5.57	9.90	6.16	10 ^{7.52}
147	243		5/2 ⁺	0.84	0.70	1828.84	5.80	12.99				...	β -stable	5.84	10.55	5.89	10 ^{9.99}
148	244			0.84	0.69	1835.79	6.95	12.74				...	β -stable	6.29	11.05	5.65	10 ^{10.21}
149	245		7/2 ⁺	0.85	0.69	1841.17	5.38	12.33				...	β -stable	6.36	11.48	5.42	10 ^{12.62}
150	246			0.87	0.69	1847.86	6.69	12.07				...	β -stable	6.81	11.96	5.18	10 ^{13.05}
151	247		9/2 ⁻	0.88	0.69	1852.92	5.06	11.74	100.00	0.00	0.00	0.07	> 100	6.64	12.17	5.07	10 ^{14.82}
152	248			0.88	0.70	1859.28	6.36	11.42				...	β -stable	7.11	12.65	4.92	10 ^{14.78}
153	249		7/2 ⁺	0.89	0.68	1863.78	4.50	10.86	100.00	0.00	0.00	1.07	> 100	7.12	13.02	5.27	10 ^{13.52}
154	250			0.90	0.68	1869.39	5.61	10.12	100.00	0.00	0.00	0.32	> 100	7.49	13.42	5.53	10 ^{10.87}
155	251		1/2 ⁺	0.91	0.68	1873.57	4.18	9.79	100.00	0.00	0.00	2.05	> 100	7.55	13.80	5.48	10 ^{12.25}
156	252			0.92	0.68	1879.23	5.66	9.84	100.00	0.00	0.00	0.65	> 100	8.04	14.31	5.04	10 ^{13.93}
157	253		11/2 ⁻	0.94	0.68	1883.21	3.98	9.64	100.00	0.00	0.00	2.37	> 100	7.88	14.51	4.86	10 ^{16.24}
158	254			0.94	0.68	1888.77	5.57	9.55	100.00	0.00	0.00	1.10	> 100	8.27	14.92	4.44	10 ^{18.34}
159	255		1/2 ⁺	0.97	0.66	1892.85	4.07	9.64	100.00	0.00	0.00	2.61	> 100	8.28	15.31	4.15	> 10 ²⁰
160	256			0.98	0.64	1898.31	5.47	9.54	100.00	0.00	0.00	1.56	> 100	8.65	15.66	3.84	> 10 ²⁰
161	257		3/2 ⁺	0.99	0.64	1902.25	3.93	9.40	100.00	0.00	0.00	3.11	59.3366	8.70	16.02	3.59	> 10 ²⁰
162	258			1.01	0.64	1907.49	5.24	9.18	100.00	0.00	0.00	2.13	43.2647	9.05	16.39	3.45	> 10 ²⁰
163	259		13/2 ⁻	1.02	0.66	1911.01	3.52	8.76	100.00	0.00	0.00	3.88	25.5164	9.07	16.75	3.51	> 10 ²⁰
164	260			1.02	0.64	1915.67	4.66	8.18	100.00	0.00	0.00	3.08	14.9875	9.39	17.07	3.72	> 10 ²⁰
165	261		9/2 ⁺	1.02	0.66	1918.88	3.20	7.87	100.00	0.00	0.00	4.57	6.0750	9.40	17.39	3.68	> 10 ²⁰
166	262			1.02	0.64	1923.34	4.46	7.66	100.00	0.00	0.00	3.58	6.0242	9.95	17.92	3.56	> 10 ²⁰
167	263		11/2 ⁺	1.02	0.65	1926.26	2.92	7.38	99.94	0.06	0.00	5.19	0.8706	9.60	17.92	3.52	> 10 ²⁰
168	264			1.02	0.64	1930.89	4.63	7.55	99.93	0.07	0.00	3.67	4.0212	9.95	18.21	2.83	> 10 ²⁰
169	265		15/2 ⁻	1.03	0.63	1934.07	3.18	7.81	99.69	0.31	0.00	5.11	3.3933	10.19	18.91	2.56	> 10 ²⁰

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 96$ (Cm)																	
170	266			1.07	0.62	1937.86	3.79	6.97	97.19	2.81	0.00	4.82	0.4954	10.22	18.69	3.11	$> 10^{20}$
171	267		3/2 ⁺	1.07	0.62	1940.99	3.13	6.93	76.04	23.96	0.00	5.55	1.6563	10.21	19.01	2.45	$> 10^{20}$
172	268			1.02	0.61	1945.83	4.84	7.97	98.03	1.97	0.00	3.96	2.1965	10.40	19.12	1.64	$> 10^{20}$
173	269		5/2 ⁺	1.07	0.60	1948.27	2.44	7.27	91.28	8.72	0.00	6.32	0.6169	10.56	19.73	2.02	$> 10^{20}$
174	270			1.08	0.59	1952.34	4.07	6.51	62.49	37.51	0.00	5.08	0.8735	10.89	19.98	2.66	$> 10^{20}$
175	271		1/2 ⁺	1.08	0.59	1955.14	2.79	6.87	65.66	34.34	0.00	6.40	0.8265	10.90	20.31	1.70	$> 10^{20}$
176	272			1.06	0.60	1959.38	4.25	7.04	36.48	63.52	0.00	5.21	0.9915	11.10	20.48	1.28	$> 10^{20}$
177	273		1/2 ⁺	1.06	0.61	1961.94	2.56	6.81	35.32	64.68	0.00	6.84	0.4972	11.11	20.90	1.17	$> 10^{20}$
178	274			1.07	0.61	1965.58	3.63	6.20	19.24	80.76	0.00	6.10	0.3638	11.44	21.12	1.62	$> 10^{20}$
179	275		1/2 ⁺	1.11	0.57	1967.59	2.01	5.65	0.83	99.13	0.05	7.70	0.2660	11.51	21.45	1.75	$> 10^{20}$
180	276			1.12	0.56	1971.10	3.51	5.53	0.07	99.93	0.00	6.45	0.4101	11.83	21.75	1.65	$> 10^{20}$
181	277		3/2 ⁺	1.12	0.55	1973.20	2.09	5.61	0.10	99.85	0.05	7.88	0.3007	11.83	22.01	1.24	$> 10^{20}$
182	278			1.13	0.54	1976.38	3.18	5.28	0.13	99.87	0.00	7.09	0.2325	12.15	22.32	1.28	$> 10^{20}$
183	279		1/2 ⁺	1.13	0.58	1978.16	1.78	4.96	0.14	0.02	99.85	8.45	0.2095	12.15	22.60	1.33	$> 10^{20}$
184	280			1.12	0.64	1980.89	2.73	4.51	0.99	98.86	0.16	7.78	0.1342	12.48	22.91	1.47	$> 10^{20}$
185	281		3/2	1.09	0.65	1981.62	0.73	3.46	21.86	0.01	77.94	9.77	0.0939	12.42	23.38	2.24	$> 10^{20}$
186	282			1.07	0.64	1984.11	2.49	3.22	3.82	0.01	95.69	8.52	0.0825	12.80	23.79	2.17	$> 10^{20}$
187	283		1/2	1.04	0.63	1984.95	0.84	3.33	32.51	4.24	0.09	10.22	0.1269	11.64	24.17	1.59	$> 10^{20}$
188	284			1.03	0.64	1987.28	2.34	3.17	7.93	0.05	0.05	9.12	0.0692	11.58	23.14	1.33	$> 10^{20}$
189	285		5/2 ⁻	0.87	0.69	1988.82	1.54	3.88	1.53	4.20	82.17	10.36	0.0244	11.79	23.57	0.25	$> 10^{20}$
190	286			0.87	0.68	1991.60	2.78	4.32	0.83	60.44	37.68	9.31	0.0197	12.30	24.21	0.84	$> 10^{20}$
191	287		1/2 ⁺	0.87	0.68	1992.85	1.25	4.03	1.23	9.55	88.12	10.84	0.0187	12.34	24.51	0.70	$> 10^{20}$
192	288			0.87	0.67	1995.40	2.55	3.80	0.52	43.55	54.47	9.86	0.0145	14.01	25.06	0.28	$> 10^{20}$
193	289		7/2 ⁺	0.87	0.67	1996.46	1.05	3.61	0.55	4.08	81.35	11.36	0.0145	12.99	25.44	0.17	$> 10^{20}$
194	290			0.87	0.66	1998.82	2.37	3.42	0.71	20.96	63.31	10.37	0.0116	13.79	26.09	-0.19	
195	291		5/2 ⁺	0.87	0.66	1999.69	0.86	3.23	1.69	1.31	46.04	11.89	0.0113	13.83	26.80	-0.38	
196	292			0.87	0.66	2001.89	2.20	3.06	0.98	10.62	37.12	10.89	0.0094	14.60	27.27	-0.85	
197	293		5/2 ⁺	0.87	0.66	2002.66	0.77	2.97	1.72	0.21	28.88	12.34	0.0092	14.65	27.70	-1.47	
198	294			0.87	0.65	2004.73	2.07	2.84	1.22	6.79	22.37	11.41	0.0074	14.94	28.58	-1.81	
199	295		7/2 ⁻	0.87	0.63	2005.40	0.68	2.74	1.46	0.81	23.79	12.76	0.0065	14.99	28.93	-2.15	
200	296			0.87	0.62	2007.30	1.89	2.57	1.85	4.95	12.62	11.93	0.0058	15.31	29.29	-2.86	
201	297		9/2 ⁺	0.88	0.61	2007.84	0.54	2.43	1.19	1.13	9.01	13.36	0.0055	15.25	29.44	-3.07	
202	298			0.88	0.60	2009.60	1.76	2.30	1.57	1.49	9.78	12.45	0.0045	15.44	29.71	-3.30	
203	299		5/2 ⁺	0.88	0.60	2010.10	0.50	2.26	2.92	1.91	4.28	13.68	0.0049	15.68	30.23	-3.41	
204	300			0.88	0.60	2011.63	1.52	2.02	2.32	1.40	4.19	12.99	0.0039	15.86	30.45	-3.44	
205	301		9/2 ⁺	0.87	0.62	2011.84	0.21	1.74	0.30	1.53	0.35	14.31	0.0039	15.86	30.97	-3.67	
206	302			0.87	0.62	2013.23	1.39	1.60	1.18	1.05	0.31	13.48	0.0031	16.14	30.93	-3.76	
207	303		3/2 ⁺	0.88	0.60	2013.37	0.14	1.53	0.07	1.14	1.08	14.48	0.0037	16.13	31.16	-4.21	
208	304			0.88	0.59	2014.76	1.39	1.53	0.86	1.53	0.35	13.47	0.0034	16.44	31.47	-4.16	
209	305		3/2 ⁺	0.88	0.58	2014.78	0.03	1.41	0.03	0.84	1.63	14.86	0.0033	16.45	31.77	-4.28	
210	306			0.88	0.57	2015.95	1.17	1.20	0.33	3.05	0.18	14.03	0.0027	16.73	32.05	-4.37	
211	307		7/2 ⁻	0.88	0.58	2015.51	-0.44	0.72	4.34	0.40	2.80	15.65	0.0022	16.74	32.34	-4.19	
212	308			0.89	0.57	2016.26	0.76	0.31	0.00	4.26	0.00	14.92	0.0020	17.07	32.66	-4.06	
213	309		11/2 ⁺	0.89	0.57	2015.78	-0.48	0.27	0.04	0.00	2.65	16.19	0.0020	17.08	32.95	-4.32	
214	310			0.90	0.57	2016.35	0.57	0.08	0.00	...	...	15.29	0.0018	17.39	33.31	-4.45	
215	311		9/2 ⁻	0.90	0.57	2015.79	-0.56	0.01	...	...	...	16.49	0.0017	17.40	33.72	-4.66	
216	312			0.90	0.56	2016.33	0.54	-0.02	0.00	0.00	0.00	15.62	0.0016	17.83	34.03	-5.00	
217	313		1/2 ⁻	0.91	0.56	2015.74	-0.59	-0.04	...	...	...	16.77	0.0016	17.77	34.46	-5.38	
218	314			0.92	0.56	2016.36	0.62	0.03	0.00	...	...	15.92	0.0015	18.08	34.74	-5.76	
219	315		3/2 ⁻	0.93	0.56	2015.55	-0.81	-0.19	...	...	...	17.35	0.0013	18.06		-5.97	
220	316			0.93	0.55	2016.01	0.45	-0.36	0.00	0.00	0.00	16.33	0.0013	18.33		-6.09	
221	317		13/2 ⁺	0.93	0.55	2015.06	-0.95	-0.49	0.00	0.00	...	17.74	0.0012				
222	318			0.94	0.54	2015.11	0.05	-0.90	0.00	0.00	0.00	17.03	0.0010				
$Z = 97$ (Bk)																	
121	218	3/2 ⁻	1/2 ⁻	1.07	0.81	1616.34						12.47	0.1493	-2.24	-2.32	10.08	$10^{-4.33}$
122	219	9/2 ⁺		1.12	0.79	1627.35	11.02					10.62	0.1739	-2.24	-1.88	10.25	$10^{-5.06}$
123	220	9/2 ⁺	3/2 ⁻	1.13	0.81	1636.91	9.56	20.58				11.85	0.1518	-1.85	-1.46	10.04	$10^{-4.23}$

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 97 (Bk)																	
124	221	9/2 ⁺		1.17	0.85	1647.67	10.76	20.32				10.12	0.1827	-1.88	-1.07	9.85	10 ^{-4.12}
125	222	7/2 ⁻	1/2 ⁻	1.20	0.83	1656.95	9.28	20.04				11.12	0.4092	-1.62	-0.70	9.72	10 ^{-3.43}
126	223	5/2		1.18	0.90	1667.40	10.44	19.73				7.82	0.5400	-1.46	-0.24	9.64	10 ^{-3.59}
127	224	7/2 ⁻	9/2 ⁺	1.20	0.82	1674.83	7.43	17.87				9.85	0.5925	-1.18	0.20	11.13	10 ^{-6.64}
128	225	5/2		1.12	0.79	1684.62	9.79	17.22				6.33	0.7709	-0.84	1.10	11.32	10 ^{-7.38}
129	226	9/2 ⁻	1/2 ⁺	1.17	0.80	1691.23	6.62	16.41				10.10	0.4018	-0.50	1.19	11.69	10 ^{-7.77}
130	227	3/2 ⁻		0.82	0.88	1701.34	10.11	16.72				7.21	1.6901	-0.77	1.30	10.47	10 ^{-5.57}
131	228	3/2 ⁻	3/2 ⁻	0.82	0.88	1709.47	8.13	18.24				8.28	2.8192	0.13	2.12	8.86	10 ^{-1.14}
132	229	3/2 ⁻		0.82	0.88	1718.91	9.44	17.57				6.35	3.1204	0.38	2.81	9.42	10 ^{-3.02}
133	230	3/2 ⁻	3/2 ⁻	0.84	0.87	1726.71	7.80	17.24				7.68	4.1092	0.67	3.10	8.94	10 ^{-1.34}
134	231	3/2 ⁻		0.83	0.86	1735.90	9.18	16.98				5.77	5.0261	0.72	3.54	8.51	10 ^{-0.41}
135	232	3/2 ⁻	1/2 ⁻	0.83	0.84	1743.54	7.64	16.83				6.95	8.0368	1.09	3.93	8.37	10 ^{0.37}
136	233	3/2 ⁻		0.82	0.84	1752.38	8.84	16.49				5.11	10.1052	1.11	4.37	8.26	10 ^{0.35}
137	234	3/2 ⁻	3/2 ⁺	0.82	0.83	1759.78	7.39	16.24				6.21	11.0368	1.50	4.80	8.12	10 ^{1.15}
138	235	3/2 ⁻		0.82	0.81	1768.35	8.57	15.97				4.42	22.8485	1.58	5.28	7.96	10 ^{1.37}
139	236	3/2 ⁻	5/2 ⁻	0.82	0.80	1775.51	7.16	15.73				5.53	51.7802	1.96	5.70	7.76	10 ^{2.37}
140	237	3/2 ⁻		0.82	0.78	1783.84	8.33	15.48				3.64	82.1114	2.02	6.18	7.54	10 ^{2.86}
141	238	3/2 ⁻	5/2 ⁺	0.82	0.77	1790.65	6.81	15.14				4.77	16.8646	2.39	6.56	7.46	10 ^{3.49}
142	239	3/2 ⁻		0.82	0.76	1798.68	8.03	14.85				2.86	> 100	2.49	7.08	7.28	10 ^{3.84}
143	240	3/2 ⁻	7/2 ⁻	0.81	0.75	1805.35	6.67	14.70				3.85	> 100	3.03	7.68	7.03	10 ^{5.16}
144	241	3/2 ⁻		0.82	0.74	1812.93	7.58	14.24				2.15	> 100	2.94	8.17	6.97	10 ^{5.06}
145	242	3/2 ⁻	1/2 ⁺	0.82	0.73	1819.19	6.27	13.85				3.07	> 100	3.34	8.51	6.77	10 ^{6.27}
146	243	3/2 ⁻		0.82	0.72	1826.66	7.46	13.73				1.40	> 100	3.61	9.19	6.39	10 ^{7.63}
147	244	3/2 ⁻	5/2 ⁺	0.82	0.70	1832.70	6.04	13.50				2.31	> 100	3.86	9.69	6.29	10 ^{8.48}
148	245	3/2 ⁻		0.82	0.70	1839.69	6.99	13.03				0.70	> 100	3.90	10.19	6.08	10 ^{9.16}
149	246	3/2 ⁻	7/2 ⁺	0.83	0.69	1845.46	5.77	12.76	100.00	0.00	0.00	±	±	4.28	10.64	5.84	10 ^{10.74}
150	247	7/2 ⁺		0.84	0.69	1852.20	6.74	12.51				...	β -stable	4.34	11.15	5.59	10 ^{11.79}
151	248	7/2 ⁺	9/2 ⁻	0.86	0.69	1857.67	5.47	12.21	100.00	0.00	0.00	±	±	4.75	11.39	5.45	10 ^{13.00}
152	249	7/2 ⁺		0.86	0.69	1864.06	6.40	11.86	100.00	0.00	0.00	0.08	> 100	4.79	11.90	5.28	10 ^{13.67}
153	250	7/2 ⁺	7/2 ⁺	0.87	0.69	1868.93	4.87	11.27	100.00	0.00	0.00	2.13	> 100	5.16	12.28	5.64	10 ^{11.89}
154	251	7/2 ⁺		0.86	0.68	1874.83	5.90	10.77	100.00	0.00	0.00	1.01	> 100	5.44	12.93	5.63	10 ^{11.61}
155	252	3/2 ⁻	11/2 ⁻	0.88	0.68	1879.09	4.26	10.16	100.00	0.00	0.00	3.01	> 100	5.53	13.08	5.86	10 ^{10.68}
156	253	3/2 ⁻		0.89	0.68	1884.79	5.70	9.96	100.00	0.00	0.00	1.62	> 100	5.56	13.60	5.40	10 ^{12.93}
157	254	3/2 ⁻	11/2 ⁻	0.92	0.68	1889.09	4.30	9.99	100.00	0.00	0.00	3.39	> 100	5.88	13.76	5.22	10 ^{14.38}
158	255	3/2 ⁻		0.92	0.68	1894.67	5.59	9.88	100.00	0.00	0.00	2.34	> 100	5.90	14.17	4.81	10 ^{16.84}
159	256	3/2 ⁻	1/2 ⁺	0.95	0.66	1899.09	4.42	10.00	100.00	0.00	0.00	3.70	> 100	6.24	14.52	4.53	10 ^{19.30}
160	257	3/2 ⁻		0.96	0.65	1904.58	5.49	9.91	100.00	0.00	0.00	2.67	> 100	6.27	14.92	4.22	> 10 ²⁰
161	258	3/2 ⁻	3/2 ⁺	0.97	0.64	1908.84	4.26	9.76	100.00	0.00	0.00	4.26	> 100	6.60	15.29	4.02	> 10 ²⁰
162	259	3/2 ⁻		0.98	0.65	1914.11	5.26	9.53	100.00	0.00	0.00	3.30	> 100	6.61	15.67	3.85	> 10 ²⁰
163	260	3/2 ⁻	13/2 ⁻	0.99	0.66	1917.97	3.86	9.12	100.00	0.00	0.00	5.09	> 100	6.96	16.03	3.88	> 10 ²⁰
164	261	3/2 ⁻		1.00	0.66	1922.66	4.69	8.55	100.00	0.00	0.00	4.32	54.1906	6.99	16.37	4.08	> 10 ²⁰
165	262	3/2 ⁻	9/2 ⁺	1.00	0.66	1926.14	3.48	8.17	99.75	0.25	0.00	5.84	13.7178	7.26	16.67	4.09	> 10 ²⁰
166	263	3/2 ⁻		1.00	0.65	1930.67	4.53	8.01	97.32	2.68	0.00	4.77	25.1800	7.33	17.28	3.91	> 10 ²⁰
167	264	3/2 ⁻	11/2 ⁺	1.01	0.65	1933.78	3.12	7.64	97.07	2.93	0.00	6.48	1.6467	7.53	17.12	3.99	> 10 ²⁰
168	265	7/2 ⁻		1.01	0.64	1938.40	4.61	7.73	56.59	43.41	0.00	4.97	12.0509	7.51	17.46	3.29	> 10 ²⁰
169	266	7/2 ⁻	15/2 ⁻	1.02	0.63	1941.89	3.50	8.11	55.10	44.90	0.00	6.48	10.6166	7.83	18.01	3.07	> 10 ²⁰
170	267	7/2 ⁻		1.06	0.62	1945.76	3.86	7.36	4.29	95.71	0.00	6.04	1.6800	7.90	18.12	3.48	> 10 ²⁰
171	268	5/2 ⁺	3/2 ⁺	1.07	0.62	1949.01	3.25	7.12	33.73	66.27	0.00	6.98	1.2998	8.02	18.22	3.17	> 10 ²⁰
172	269	1/2 ⁻		1.03	0.61	1953.81	4.80	8.05	90.07	9.93	0.00	5.47	4.6211	7.97	18.38	2.13	> 10 ²⁰
173	270	1/2 ⁻	5/2 ⁺	1.08	0.59	1956.64	2.84	7.63	33.35	66.65	0.00	7.58	2.0512	8.37	18.94	2.44	> 10 ²⁰
174	271	1/2 ⁻		1.08	0.58	1960.75	4.11	6.95	2.22	97.78	0.00	6.51	2.3921	8.41	19.30	2.97	> 10 ²⁰
175	272	1/2 ⁻	1/2 ⁺	1.09	0.59	1963.81	3.06	7.17	4.11	95.88	0.00	7.89	2.0221	8.68	19.58	2.19	> 10 ²⁰
176	273	7/2 ⁻		1.07	0.60	1968.00	4.19	7.25	43.93	56.07	0.00	6.76	2.3489	8.62	19.72	1.75	> 10 ²⁰
177	274	1/2 ⁻	1/2 ⁺	1.07	0.61	1970.89	2.89	7.08	50.45	49.27	0.28	8.27	1.1683	8.95	20.06	1.63	> 10 ²⁰
178	275	7/2 ⁻		1.08	0.61	1974.51	3.62	6.51	30.58	69.42	0.00	7.55	0.8844	8.93	20.37	2.06	> 10 ²⁰
179	276	9/2 ⁺	1/2 ⁺	1.12	0.57	1976.78	2.27	5.89	1.14	72.90	25.96	9.24	0.2131	9.18	20.70	2.35	> 10 ²⁰
180	277	9/2 ⁺		1.12	0.56	1980.29	3.52	5.78	0.65	91.37	7.98	8.06	0.2905	9.19	21.01	2.14	> 10 ²⁰

N	A	Ω_p^π	Ω_n^π	Δ_{LNp} (MeV)	Δ_{LNn} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 97$ (Bk)																	
181	278	9/2 ⁺	3/2 ⁺	1.13	0.56	1982.68	2.39	5.91	0.25	72.85	26.90	9.49	0.2273	9.48	21.31	1.69	$> 10^{20}$
182	279	9/2 ⁺		1.14	0.54	1985.83	3.14	5.54	0.05	71.59	28.36	8.74	0.1875	9.45	21.60	1.75	$> 10^{20}$
183	280	5/2	1/2	1.13	0.58	1987.88	2.05	5.20	0.01	71.08	28.91	10.15	0.1647	9.72	21.87	1.78	$> 10^{20}$
184	281	5/2		1.12	0.63	1990.61	2.73	4.78	0.00	64.99	34.99	9.47	0.1162	9.72	22.20	1.91	$> 10^{20}$
185	282	5/2	3/2	1.08	0.65	1991.84	1.23	3.96	12.65	0.00	58.43	11.26	0.1066	10.23	22.65	2.46	$> 10^{20}$
186	283	5/2		1.06	0.63	1994.38	2.54	3.77	0.00	2.03	61.00	9.93	0.1003	10.27	23.07	2.33	$> 10^{20}$
187	284	5/2	1/2	1.04	0.63	1995.62	1.24	3.78	21.89	0.01	59.84	11.56	0.1677	10.68	22.32	1.87	$> 10^{20}$
188	285	7/2 ⁺		0.86	0.70	1998.40	2.78	4.02	0.61	17.18	27.36	10.13	0.0221	11.12	22.70	1.20	$> 10^{20}$
189	286	7/2 ⁺	5/2 ⁺	0.86	0.69	2000.12	1.72	4.50	1.47	2.32	56.91	11.38	0.0276	11.30	23.09	1.48	$> 10^{20}$
190	287	7/2 ⁺		0.86	0.68	2002.91	2.78	4.51	0.75	20.37	45.94	10.34	0.0219	11.31	23.61	1.09	$> 10^{20}$
191	288	7/2 ⁺	1/2 ⁺	0.86	0.68	2004.48	1.57	4.36	1.03	2.90	69.97	11.87	0.0210	11.63	23.97	0.85	$> 10^{20}$
192	289	7/2 ⁺		0.86	0.67	2007.04	2.56	4.13	0.73	16.90	53.51	10.89	0.0162	11.64	25.65	0.56	$> 10^{20}$
193	290	7/2 ⁺	7/2 ⁺	0.86	0.67	2008.41	1.37	3.93	0.76	1.81	54.18	12.39	0.0166	11.95	24.94	0.40	$> 10^{20}$
194	291	7/2 ⁺		0.86	0.66	2010.79	2.38	3.75	0.70	6.58	36.03	11.42	0.0128	11.97	25.75	-1.11	
195	292	7/2 ⁺	1/2 ⁻	0.86	0.66	2012.00	1.21	3.59	1.72	7.75	32.15	12.91	0.0114	12.31	26.14	-0.23	
196	293	7/2 ⁺		0.86	0.66	2014.22	2.22	3.43	0.65	3.62	15.50	11.93	0.0101	12.33	26.93	-0.88	
197	294	7/2 ⁺	5/2 ⁻	0.86	0.66	2015.36	1.14	3.36	1.57	0.28	23.00	13.32	0.0095	12.70	27.34	-1.21	
198	295	7/2 ⁺		0.86	0.65	2017.38	2.02	3.16	0.74	1.80	7.74	12.39	0.0083	12.65	27.60	-1.79	
199	296	7/2 ⁺	7/2 ⁻	0.86	0.64	2018.44	1.07	3.09	1.06	0.23	14.35	13.78	0.0071	13.04	28.03	-2.13	
200	297	7/2 ⁺		0.86	0.62	2020.42	1.97	3.04	0.77	2.57	4.52	12.84	0.0067	13.12	28.43	-2.34	
201	298	7/2 ⁺	9/2 ⁺	0.86	0.61	2021.27	0.86	2.83	0.80	0.20	6.40	14.31	0.0062	13.44	28.68	-2.56	
202	299	7/2 ⁺		0.87	0.60	2023.00	1.72	2.58	0.75	2.03	0.92	13.49	0.0051	13.40	28.83	-2.72	
203	300	7/2 ⁺	5/2 ⁺	0.86	0.60	2023.84	0.84	2.56	1.14	0.76	2.71	14.70	0.0053	13.74	29.41	-2.95	
204	301	7/2 ⁺		0.86	0.60	2025.37	1.53	2.37	0.12	2.85	0.98	13.91	0.0045	13.75	29.61	-2.91	
205	302	7/2 ⁺	7/2 ⁺	0.86	0.61	2025.92	0.55	2.08	0.25	0.27	1.38	15.17	0.0045	14.08	29.94	-3.20	
206	303	7/2 ⁺		0.87	0.62	2027.07	1.15	1.70	0.22	0.66	0.66	14.64	0.0031	13.84	29.98	-3.01	
207	304	7/2 ⁺	9/2 ⁺	0.87	0.61	2027.44	0.38	1.52	0.05	0.19	0.98	15.86	0.0033	14.08	30.21	-3.16	
208	305	7/2 ⁺		0.87	0.59	2028.86	1.41	1.79	0.03	0.38	0.82	14.76	0.0032	14.10	30.54	-3.47	
209	306	7/2 ⁺	3/2 ⁺	0.87	0.58	2029.20	0.34	1.76	0.03	0.09	0.36	15.85	0.0036	14.42	30.87	-3.67	
210	307	7/2 ⁺		0.87	0.58	2030.38	1.17	1.52	0.04	1.01	0.24	15.11	0.0029	14.42	31.16	-3.76	
211	308	7/2 ⁺	7/2 ⁻	0.87	0.58	2030.41	0.03	1.20	0.00	0.03	4.79	16.47	0.0027	14.90	31.64	-3.78	
212	309	7/2 ⁺		0.87	0.58	2031.19	0.79	0.82	0.00	0.21	1.09	15.74	0.0024	14.93	32.00	-3.68	
213	310	7/2 ⁺	11/2 ⁺	0.88	0.57	2030.86	-0.34	0.45	0.00	0.00	0.15	17.15	0.0023	15.08	32.16	-3.79	
214	311	7/2 ⁺		0.88	0.57	2031.49	0.63	0.30	0.00	...	...	16.22	0.0021	15.14	32.53	-4.00	
215	312	7/2 ⁺	9/2 ⁻	0.89	0.57	2031.17	-0.32	0.31	...	...	...	17.49	0.0019	15.38	32.78	-4.17	
216	313	7/2 ⁺		0.90	0.56	2031.73	0.56	0.24	0.00	...	...	16.65	0.0018	15.40	33.23	-4.48	
217	314	7/2 ⁺	1/2 ⁻	0.90	0.56	2031.51	-0.23	0.34	...	...	...	17.72	0.0019	15.76	33.53	-4.82	
218	315	7/2 ⁺		0.90	0.56	2032.12	0.62	0.39	0.00	...	...	16.96	0.0017	15.76	33.84	-5.33	
219	316	7/2 ⁺	3/2 ⁻	0.91	0.56	2031.55	-0.57	0.05	...	...	...	18.18	0.0016	16.00	34.06	-5.28	
220	317	7/2 ⁺		0.91	0.55	2032.01	0.46	-0.11	0.00	...	...	17.45	0.0014	16.01	34.33	-5.43	
221	318	7/2 ⁺	13/2 ⁺	0.92	0.55	2031.35	-0.66	-0.20	...	...	...	18.91	0.0013	16.29		-5.56	
222	319	7/2 ⁺		0.92	0.54	2031.42	0.07	-0.59	0.00	0.00	0.00	18.19	0.0011	16.32		-5.45	
223	320	7/2 ⁺	9/2 ⁻	0.92	0.54	2030.54	-0.88	-0.81	0.00	0.00	...	19.37	0.0010				
224	321	7/2 ⁺		0.93	0.54	2030.42	-0.12	-1.00	0.00	0.00	0.00	18.69	0.0009				
$Z = 98$ (Cf)																	
123	221		3/2 ⁻	1.13	0.82	1636.63						10.26	0.1204	-0.28	-2.12	10.24	$10^{-4.44}$
124	222			1.17	0.85	1647.82	11.19					8.35	0.1581	0.15	-1.73	10.06	$10^{-5.08}$
125	223		1/2 ⁻	1.20	0.83	1657.14	9.32	20.51				9.48	0.2030	0.19	-1.43	9.91	$10^{-3.65}$
126	224			1.20	0.91	1667.93	10.79	20.11				6.11	0.4051	0.54	-0.92	9.91	$10^{-4.70}$
127	225		9/2	1.20	0.84	1675.52	7.59	18.38				8.31	0.2747	0.69	-0.49	11.35	$10^{-6.85}$
128	226			1.13	0.81	1685.54	10.02	17.60				4.92	0.5227	0.92	0.08	11.62	$10^{-8.45}$
129	227		1/2 ⁺	1.17	0.80	1692.27	6.74	16.75				8.28	0.2312	1.04	0.54	12.03	$10^{-8.17}$
130	228			0.82	0.87	1702.69	10.42	17.16				6.00	1.0281	1.35	0.58	11.06	$10^{-7.33}$
131	229		3/2 ⁻	0.81	0.87	1710.80	8.11	18.53				7.33	1.4238	1.33	1.47	9.23	$10^{-1.85}$
132	230			0.81	0.88	1720.57	9.77	17.88				5.36	1.5915	1.66	2.04	9.84	$10^{-4.52}$
133	231		5/2 ⁻	0.81	0.88	1728.44	7.87	17.64				6.68	2.2151	1.73	2.39	9.19	$10^{-1.77}$
134	232			0.82	0.88	1737.97	9.53	17.40				4.78	2.3503	2.08	2.80	8.86	$10^{-1.87}$

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 98 (Cf)																	
135	233		1/2 ⁻	0.83	0.85	1745.57	7.60	17.13				6.03	3.2511	2.03	3.12	8.77	10 ^{-0.55}
136	234			0.82	0.85	1754.82	9.25	16.85				4.17	3.9878	2.44	3.55	8.65	10 ^{-1.25}
137	235		3/2 ⁺	0.82	0.83	1762.25	7.42	16.68				5.32	4.8063	2.47	3.97	8.50	10 ^{0.28}
138	236			0.81	0.83	1771.21	8.96	16.39				3.52	7.9433	2.86	4.44	8.36	10 ^{-0.35}
139	237		5/2 ⁻	0.81	0.80	1778.41	7.20	16.16				4.64	14.9151	2.90	4.86	8.16	10 ^{1.36}
140	238			0.81	0.80	1787.12	8.71	15.91				2.74	20.7204	3.28	5.30	7.95	10 ^{1.01}
141	239		5/2 ⁺	0.81	0.77	1793.97	6.85	15.56				3.93	5.6134	3.33	5.71	7.88	10 ^{2.33}
142	240			0.81	0.77	1802.41	8.44	15.29				2.16	53.5514	3.73	6.22	7.70	10 ^{1.87}
143	241		7/2 ⁻	0.81	0.76	1809.14	6.73	15.17				3.00	> 100	3.80	6.82	7.41	10 ^{4.02}
144	242			0.81	0.75	1817.16	8.02	14.75				1.25	> 100	4.24	7.18	7.33	10 ^{3.28}
145	243		1/2 ⁺	0.80	0.73	1823.66	6.50	14.52				2.21	> 100	4.47	7.81	6.95	10 ^{5.88}
146	244			0.80	0.72	1831.38	7.71	14.22				0.54	> 100	4.72	8.33	6.90	10 ^{5.01}
147	245		5/2 ⁺	0.80	0.71	1837.44	6.07	13.78				1.46	> 100	4.74	8.60	6.71	10 ^{6.92}
148	246			0.81	0.70	1844.84	7.40	13.47				...	β -stable	5.16	9.05	6.50	10 ^{6.80}
149	247		7/2 ⁺	0.81	0.69	1850.69	5.85	13.25				0.73	> 100	5.24	9.52	6.45	10 ^{8.12}
150	248			0.82	0.69	1857.82	7.13	12.98				...	β -stable	5.62	9.96	6.27	10 ^{7.92}
151	249		9/2 ⁻	0.83	0.69	1863.36	5.54	12.66				...	β -stable	5.69	10.44	6.11	10 ^{9.77}
152	250			0.84	0.70	1870.29	6.93	12.46				...	β -stable	6.22	11.01	5.87	10 ^{9.97}
153	251		7/2 ⁺	0.85	0.69	1875.06	4.78	11.71				...	β -stable	6.13	11.29	6.15	10 ^{9.58}
154	252			0.86	0.68	1881.32	6.25	11.03				...	β -stable	6.49	11.93	6.25	10 ^{7.99}
155	253		11/2 ⁻	0.87	0.68	1885.63	4.31	10.57	100.00	0.00	0.00	0.76	> 100	6.54	12.06	6.44	10 ^{8.15}
156	254			0.88	0.68	1891.69	6.06	10.37				...	β -stable	6.90	12.46	6.00	10 ^{9.29}
157	255		9/2 ⁺	0.89	0.68	1896.23	4.54	10.60	100.00	0.00	0.00	0.91	> 100	7.14	13.02	5.63	10 ^{12.36}
158	256			0.91	0.68	1902.01	5.78	10.32	100.00	0.00	0.00	0.05	> 100	7.34	13.24	5.51	10 ^{12.00}
159	257		1/2 ⁺	0.93	0.66	1906.46	4.45	10.23	100.00	0.00	0.00	1.53	> 100	7.37	13.62	5.04	10 ^{16.10}
160	258			0.94	0.65	1912.32	5.86	10.31	100.00	0.00	0.00	0.34	> 100	7.74	14.01	4.75	10 ^{17.10}
161	259		3/2 ⁺	0.96	0.64	1916.63	4.31	10.16	100.00	0.00	0.00	1.91	> 100	7.78	14.38	4.51	10 ^{19.97}
162	260			0.97	0.65	1922.28	5.65	9.96	100.00	0.00	0.00	0.94	> 100	8.17	14.79	4.33	> 10 ²⁰
163	261		13/2 ⁻	0.97	0.66	1926.20	3.92	9.57	100.00	0.00	0.00	2.70	> 100	8.23	15.19	4.35	> 10 ²⁰
164	262			0.98	0.66	1931.19	4.99	8.91	100.00	0.00	0.00	1.93	> 100	8.53	15.52	4.60	10 ^{18.26}
165	263		9/2 ⁺	0.99	0.65	1934.66	3.46	8.46	100.00	0.00	0.00	3.54	24.0113	8.52	15.78	4.65	10 ^{18.92}
166	264			0.99	0.64	1939.48	4.82	8.29	100.00	0.00	0.00	2.48	66.3802	8.81	16.15	4.49	10 ^{19.12}
167	265		11/2 ⁺	1.01	0.65	1942.58	3.10	7.92	100.00	0.00	0.00	4.25	2.3879	8.80	16.32	4.59	10 ^{19.35}
168	266			0.99	0.64	1947.59	5.01	8.11	100.00	0.00	0.00	2.53	44.2999	9.19	16.70	4.04	> 10 ²⁰
169	267		15/2 ⁻	1.01	0.63	1951.02	3.43	8.44	100.00	0.00	0.00	4.12	26.8092	9.12	16.95	3.54	> 10 ²⁰
170	268			1.06	0.61	1955.21	4.19	7.62	100.00	0.00	0.00	3.66	2.9647	9.45	17.35	3.98	> 10 ²⁰
171	269		3/2 ⁺	1.07	0.62	1958.49	3.28	7.48	99.98	0.02	0.00	4.70	6.9161	9.48	17.50	3.87	> 10 ²⁰
172	270			1.03	0.61	1963.44	4.94	8.23	100.00	0.00	0.00	3.36	4.5019	9.63	17.61	2.72	> 10 ²⁰
173	271		5/2 ⁺	1.08	0.59	1966.48	3.04	7.98	99.99	0.01	0.00	4.81	7.3845	9.84	18.21	2.81	> 10 ²⁰
174	272			1.08	0.58	1970.92	4.44	7.48	99.98	0.02	0.00	3.97	5.3789	10.16	18.58	3.21	> 10 ²⁰
175	273		1/2 ⁺	1.09	0.58	1973.97	3.05	7.50	98.74	1.26	0.00	5.36	3.6281	10.16	18.84	2.59	> 10 ²⁰
176	274			1.07	0.59	1978.38	4.41	7.46	90.23	9.77	0.00	4.35	3.7017	10.38	19.00	2.26	> 10 ²⁰
177	275		1/2 ⁺	1.07	0.61	1981.27	2.89	7.30	76.90	23.10	0.00	5.53	2.6548	10.38	19.33	2.16	> 10 ²⁰
178	276			1.08	0.61	1985.24	3.97	6.86	81.18	18.82	0.00	5.00	1.5401	10.73	19.66	2.44	> 10 ²⁰
179	277		1/2 ⁺	1.13	0.57	1987.57	2.33	6.30	2.28	97.72	0.00	6.64	1.3693	10.80	19.98	2.67	> 10 ²⁰
180	278			1.13	0.56	1991.39	3.82	6.15	0.07	99.93	0.00	5.50	2.1600	11.10	20.28	2.49	> 10 ²⁰
181	279		3/2 ⁺	1.14	0.56	1993.78	2.40	6.21	0.64	99.36	0.00	6.85	1.7337	11.10	20.58	2.10	> 10 ²⁰
182	280			1.15	0.53	1997.25	3.46	5.86	0.18	99.82	0.00	6.08	1.2596	11.42	20.87	2.15	> 10 ²⁰
183	281		1/2 ⁺	1.15	0.58	1999.29	2.04	5.51	0.20	99.80	0.00	7.44	1.1212	11.41	21.13	2.20	> 10 ²⁰
184	282			1.13	0.63	2002.32	3.03	5.08	1.43	98.57	0.01	6.82	0.5309	11.72	21.44	2.35	> 10 ²⁰
185	283		3/2	1.07	0.64	2003.53	1.21	4.24	37.69	0.06	62.25	8.67	0.3506	11.69	21.92	2.92	> 10 ²⁰
186	284			1.05	0.63	2006.40	2.87	4.08	5.29	0.03	94.67	7.54	0.2744	12.02	22.29	2.78	> 10 ²⁰
187	285		3/2	1.03	0.63	2007.75	1.35	4.22	63.78	0.01	35.78	9.02	0.4915	12.13	22.80	2.16	> 10 ²⁰
188	286			0.86	0.70	2010.72	2.98	4.32	0.77	70.05	29.03	7.52	0.0568	12.32	23.44	1.68	> 10 ²⁰
189	287		5/2 ⁺	0.86	0.69	2012.46	1.74	4.71	2.56	35.55	61.78	9.13	0.0515	12.34	23.64	0.78	> 10 ²⁰
190	288			0.86	0.68	2015.57	3.10	4.84	4.29	94.15	1.55	8.08	0.0391	12.66	23.97	0.01	> 10 ²⁰
191	289		1/2 ⁺	0.86	0.68	2017.15	1.58	4.68	2.18	36.18	61.63	9.61	0.0377	12.66	24.29	-0.03	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 98$ (Cf)																	
192	290			0.86	0.67	2020.02	2.87	4.45	1.95	84.04	13.93	8.63	0.0281	12.98	24.62	−0.12	
193	291		7/2 ⁺	0.86	0.67	2021.43	1.41	4.28	0.36	18.72	80.44	10.13	0.0282	13.02	24.97	−0.28	
194	292			0.85	0.66	2024.13	2.70	4.11	0.47	54.79	44.08	9.16	0.0212	13.34	25.30	−0.43	
195	293		1/2 [−]	0.85	0.66	2025.37	1.24	3.94	11.48	10.08	76.39	10.64	0.0186	13.37	25.68	−0.61	
196	294			0.85	0.66	2027.90	2.53	3.77	0.55	35.20	61.78	9.66	0.0163	13.68	26.01	−0.78	
197	295		5/2 [−]	0.85	0.65	2028.99	1.09	3.62	2.90	8.07	65.21	11.12	0.0146	13.63	26.33	−1.00	
198	296			0.85	0.64	2031.45	2.46	3.55	0.75	21.68	50.89	10.16	0.0125	14.07	26.72	−1.26	
199	297		7/2 [−]	0.85	0.63	2032.47	1.03	3.49	1.41	6.53	50.85	11.55	0.0103	14.03	27.07	−1.52	
200	298			0.85	0.62	2034.80	2.33	3.36	1.62	19.18	30.55	10.62	0.0098	14.39	27.50	−1.78	
201	299		9/2 ⁺	0.85	0.61	2035.71	0.90	3.23	1.50	0.31	33.57	12.01	0.0095	14.43	27.87	−2.01	
202	300			0.85	0.60	2037.76	2.05	2.95	2.04	10.26	20.80	11.23	0.0073	14.76	28.15	−2.16	
203	301		5/2 ⁺	0.85	0.60	2038.50	0.74	2.79	2.46	1.20	24.45	12.56	0.0073	14.66	28.40	−2.36	
204	302			0.85	0.60	2040.31	1.81	2.56	2.61	3.61	15.75	11.78	0.0060	14.94	28.69	−2.41	
205	303		7/2 ⁺	0.85	0.61	2040.93	0.62	2.43	0.35	1.88	8.65	12.98	0.0065	15.01	29.09	−2.53	
206	304			0.86	0.60	2042.52	1.59	2.21	0.55	1.11	7.99	12.17	0.0051	15.45	29.30	−2.60	
207	305		1/2 ⁺	0.86	0.61	2042.84	0.32	1.91	0.32	0.92	3.66	13.46	0.0051	15.40	29.47	−2.70	
208	306			0.87	0.60	2044.27	1.43	1.75	0.65	1.12	2.83	12.59	0.0044	15.41	29.51	−2.74	
209	307		3/2 ⁺	0.86	0.58	2044.71	0.44	1.87	0.03	1.00	0.83	13.65	0.0050	15.51	29.92	−3.04	
210	308			0.87	0.58	2046.09	1.38	1.82	1.50	1.15	0.43	12.92	0.0040	15.72	30.14	−3.04	
211	309		7/2 [−]	0.86	0.58	2046.15	0.06	1.44	4.41	1.42	1.48	14.22	0.0038	15.74	30.64	−3.07	
212	310			0.87	0.58	2047.22	1.07	1.13	1.78	2.26	0.37	13.53	0.0032	16.03	30.96	−2.97	
213	311		11/2 ⁺	0.88	0.58	2046.93	−0.29	0.78	0.04	1.64	2.30	14.91	0.0030	16.07	31.15	−3.13	
214	312			0.88	0.57	2047.87	0.94	0.65	2.30	2.07	0.65	14.11	0.0026	16.38	31.52	−3.31	
215	313		9/2 [−]	0.88	0.57	2047.60	−0.27	0.67	1.03	0.00	3.77	15.48	0.0022	16.43	31.81	−3.53	
216	314			0.89	0.57	2048.45	0.84	0.57	0.00	...	...	14.52	0.0022	16.72	32.12	−3.80	
217	315		1/2 [−]	0.89	0.56	2048.30	−0.15	0.70	...	...	...	15.56	0.0023	16.80	32.56	−4.22	
218	316			0.90	0.56	2048.96	0.65	0.51	0.21	...	...	15.04	0.0018	16.83	32.59	−4.33	
219	317		3/2 [−]	0.90	0.56	2048.68	−0.28	0.38	1.78	0.03	3.80	15.95	0.0020	17.12	33.12	−4.63	
220	318			0.91	0.54	2049.47	0.80	0.52	0.00	...	...	15.14	0.0018	17.46	33.47	−4.81	
221	319		13/2 ⁺	0.91	0.55	2048.83	−0.64	0.16	...	...	...	16.60	0.0016	17.48	33.78	−4.99	
222	320			0.91	0.54	2049.13	0.30	−0.34	0.00	...	...	15.96	0.0014	17.71	34.03	−4.83	
223	321		9/2 [−]	0.91	0.54	2048.33	−0.80	−0.50	...	...	...	17.10	0.0013	17.79		−4.97	
224	322			0.92	0.53	2048.48	0.15	−0.65	0.00	0.00	0.00	16.39	0.0012	18.07		−5.08	
225	323		11/2 [−]	0.92	0.54	2047.45	−1.04	−0.88	0.00	0.00	0.00	17.59	0.0011				
226	324			1.10	0.55	2044.23	−3.21	−4.25	0.00	0.00	0.00	20.08	0.0002				
227	325		17/2 ⁺	1.09	0.53	2043.84	−0.40	−3.61	0.00	0.00	0.00	20.50	0.0003				
$Z = 99$ (Es)																	
125	224	9/2 ⁺	1/2 [−]	1.21	0.84	1654.95						12.20	0.1156	−2.18	−2.00	10.26	10 ^{−4.11}
126	225	7/2		1.20	0.90	1665.76	10.80					8.98	0.1807	−2.18	−1.64	10.21	10 ^{−4.34}
127	226	1/2	9/2	1.18	0.84	1673.75	7.99	18.79				11.01	0.1483	−1.77	−1.08	11.50	10 ^{−6.82}
128	227	7/2		1.12	0.81	1684.00	10.25	18.24				7.49	0.2715	−1.54	−0.62	11.70	10 ^{−7.55}
129	228	5/2 ⁺	1/2 ⁺	1.17	0.81	1691.02	7.02	17.27				10.89	0.1409	−1.25	−0.21	12.10	10 ^{−7.97}
130	229	7/2 ⁺		0.81	0.87	1701.87	10.85	17.87				8.15	0.4022	−0.82	0.53	11.04	10 ^{−6.22}
131	230	7/2 ⁺	3/2 ⁺	0.81	0.87	1710.36	8.49	19.34				9.42	0.5268	−0.44	0.89	9.16	10 ^{−1.29}
132	231	7/2 ⁺		0.80	0.87	1720.15	9.78	18.28				7.50	0.6061	−0.42	1.24	9.48	10 ^{−2.51}
133	232	7/2 ⁺	3/2 ⁺	0.80	0.88	1728.39	8.24	18.02				8.80	0.7557	−0.05	1.68	9.38	10 ^{−1.87}
134	233	7/2 ⁺		0.80	0.89	1737.88	9.49	17.73				6.91	0.8638	−0.09	1.99	9.33	10 ^{−2.08}
135	234	7/2 ⁺	3/2 ⁺	0.80	0.88	1745.91	8.02	17.52				8.14	1.0953	0.34	2.37	9.10	10 ^{−1.11}
136	235	7/2 ⁺		0.80	0.87	1755.19	9.28	17.31				6.28	1.3547	0.37	2.81	9.00	10 ^{−1.16}
137	236	7/2 ⁺	5/2 [−]	0.81	0.86	1762.97	7.78	17.07				7.45	1.9540	0.73	3.20	8.86	10 ^{−0.42}
138	237	7/2 ⁺		0.81	0.84	1772.02	9.04	16.83				5.61	2.2697	0.81	3.67	8.66	10 ^{−0.16}
139	238	7/2 ⁺	5/2 [−]	0.81	0.83	1779.57	7.56	16.60				6.76	3.8487	1.16	4.07	8.50	10 ^{0.69}
140	239	7/2 ⁺		0.80	0.81	1788.39	8.82	16.37				4.80	4.8995	1.27	4.55	8.26	10 ^{1.13}
141	240	7/2 ⁺	1/2 [−]	0.80	0.79	1795.63	7.24	16.06				6.00	8.0654	1.66	4.99	8.17	10 ^{1.75}
142	241	7/2 ⁺		0.80	0.78	1804.17	8.54	15.78				4.19	9.8864	1.76	5.49	7.97	10 ^{2.11}
143	242	7/2 ⁺	7/2 [−]	0.80	0.76	1811.15	6.99	15.52				5.22	16.5718	2.01	5.81	7.79	10 ^{3.08}
144	243	7/2 ⁺		0.80	0.76	1819.20	8.05	15.04				3.68	18.4580	2.04	6.28	7.77	10 ^{2.79}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 99 (Es)																	
145	244	3/2 ⁻	1/2 ⁺	0.80	0.74	1826.14	6.94	14.99				4.45	> 100	2.48	6.95	7.50	10 ^{4.14}
146	245	3/2 ⁻		0.80	0.73	1833.90	7.76	14.70				2.76	> 100	2.52	7.24	7.32	10 ^{4.49}
147	246	3/2 ⁻	5/2 ⁺	0.79	0.72	1840.37	6.47	14.23				3.69	> 100	2.93	7.67	7.12	10 ^{5.64}
148	247	3/2 ⁻		0.80	0.71	1847.84	7.47	13.94				2.07	> 100	3.00	8.15	7.11	10 ^{5.32}
149	248	3/2 ⁻	7/2 ⁺	0.80	0.70	1854.06	6.22	13.69				2.98	> 100	3.37	8.60	6.93	10 ^{6.43}
150	249	3/2 ⁻		0.80	0.69	1861.29	7.22	13.45				1.29	> 100	3.47	9.09	6.70	10 ^{7.12}
151	250	3/2 ⁻	9/2 ⁻	0.81	0.69	1867.38	6.09	13.31				2.13	> 100	4.02	9.71	6.38	10 ^{8.95}
152	251	3/2 ⁻		0.82	0.70	1874.19	6.81	12.90				0.10	> 100	3.90	10.12	6.31	10 ^{8.93}
153	252	3/2 ⁻	7/2 ⁺	0.83	0.69	1879.31	5.12	11.93	100.00	0.00	0.00	±	±	4.24	10.38	6.66	10 ^{7.65}
154	253	3/2 ⁻		0.84	0.67	1885.61	6.30	11.42				...	β-stable	4.29	10.77	6.75	10 ^{6.87}
155	254	3/2 ⁻	11/2 ⁻	0.85	0.68	1890.28	4.67	10.97	100.00	0.00	0.00	±	±	4.65	11.19	6.95	10 ^{6.37}
156	255	3/2 ⁻		0.85	0.69	1896.36	6.08	10.76	100.00	0.00	0.00	0.60	> 100	4.67	11.57	6.76	10 ^{6.82}
157	256	7/2 ⁺	9/2 ⁺	0.86	0.69	1901.27	4.91	10.99	100.00	0.00	0.00	1.88	> 100	5.04	12.19	6.12	10 ^{10.26}
158	257	7/2 ⁺		0.88	0.67	1907.21	5.93	10.85	100.00	0.00	0.00	0.91	> 100	5.20	12.54	5.88	10 ^{11.18}
159	258	7/2 ⁺	1/2 ⁺	0.90	0.66	1911.88	4.67	10.60	100.00	0.00	0.00	2.58	> 100	5.41	12.78	5.51	10 ^{13.65}
160	259	7/2 ⁺		0.92	0.65	1917.76	5.88	10.55	100.00	0.00	0.00	1.58	> 100	5.44	13.18	5.21	10 ^{15.18}
161	260	7/2 ⁺	3/2 ⁺	0.92	0.65	1922.44	4.68	10.57	100.00	0.00	0.00	3.05	> 100	5.81	13.60	4.94	10 ^{17.34}
162	261	7/2 ⁺		0.93	0.65	1928.11	5.67	10.35	100.00	0.00	0.00	2.09	> 100	5.83	14.00	4.76	10 ^{18.32}
163	262	7/2 ⁺	13/2 ⁻	0.94	0.66	1932.34	4.23	9.90	100.00	0.00	0.00	3.91	66.8219	6.14	14.37	4.80	10 ^{18.37}
164	263	7/2 ⁺		0.94	0.65	1937.41	5.07	9.30	100.00	0.00	0.00	3.11	43.6649	6.22	14.75	4.99	10 ^{16.64}
165	264	7/2 ⁺	9/2 ⁺	0.95	0.67	1941.18	3.77	8.84	100.00	0.00	0.00	4.76	18.9654	6.52	15.04	5.09	10 ^{16.36}
166	265	7/2 ⁺		0.96	0.65	1946.05	4.87	8.64	100.00	0.00	0.00	3.64	27.0286	6.56	15.38	4.91	10 ^{17.25}
167	266	3/2 ⁻	11/2 ⁺	0.99	0.65	1949.33	3.29	8.15	99.95	0.05	0.00	5.55	4.5650	6.76	15.55	5.10	10 ^{16.26}
168	267	3/2 ⁻		0.97	0.64	1954.36	5.02	8.31	94.91	5.09	0.00	3.83	> 100	6.77	15.96	4.61	10 ^{19.52}
169	268	7/2 ⁻	15/2 ⁻	0.99	0.64	1958.09	3.73	8.75	99.98	0.02	0.00	5.41	> 100	7.07	16.19	3.99	> 10 ²⁰
170	269	7/2 ⁺		1.03	0.61	1962.41	4.32	8.06	93.12	6.88	0.00	4.84	2.7175	7.20	16.66	4.28	> 10 ²⁰
171	270	7/2 ⁺	3/2 ⁺	1.06	0.61	1966.01	3.60	7.92	84.23	15.77	0.00	5.92	4.9438	7.52	17.00	4.18	> 10 ²⁰
172	271	7/2 ⁺		1.07	0.60	1970.50	4.49	8.09	95.18	4.82	0.00	5.01	3.5862	7.06	16.69	3.55	> 10 ²⁰
173	272	7/2 ⁺	5/2 ⁺	1.08	0.59	1974.10	3.60	8.09	96.58	3.42	0.00	6.24	3.5435	7.63	17.46	3.20	> 10 ²⁰
174	273	7/2 ⁺		1.08	0.58	1978.55	4.45	8.05	73.80	26.20	0.00	5.44	2.6565	7.63	17.80	3.55	> 10 ²⁰
175	274	7/2 ⁺	1/2 ⁺	1.08	0.58	1981.95	3.40	7.85	71.55	28.45	0.00	6.82	2.1649	7.98	18.14	2.99	> 10 ²⁰
176	275	1/2 ⁻		1.09	0.58	1986.02	4.07	7.47	2.13	97.87	0.00	6.16	6.0801	7.64	18.02	3.03	> 10 ²⁰
177	276	9/2 ⁺	1/2 ⁺	1.07	0.61	1989.45	3.43	7.50	37.44	62.56	0.00	7.10	1.5165	8.18	18.56	2.65	> 10 ²⁰
178	277	9/2 ⁺		1.08	0.62	1993.42	3.97	7.40	20.90	79.10	0.00	6.47	0.9707	8.19	18.91	2.87	> 10 ²⁰
179	278	7/2 ⁻	1/2 ⁺	1.13	0.58	1996.10	2.68	6.65	23.99	75.99	0.02	8.10	5.8237	8.53	19.33	3.09	> 10 ²⁰
180	279	7/2 ⁻		1.13	0.56	1999.85	3.75	6.43	0.13	99.87	0.00	7.09	9.9694	8.47	19.56	2.95	> 10 ²⁰
181	280	7/2 ⁺	3/2 ⁺	1.15	0.56	2002.55	2.69	6.45	1.10	91.92	6.98	8.47	0.5647	8.76	19.86	2.52	> 10 ²⁰
182	281	13/2		1.13	0.54	2005.95	3.40	6.10	0.15	99.85	0.00	7.77	0.4297	8.70	20.12	2.64	> 10 ²⁰
183	282	7/2	3/2	1.13	0.58	2008.36	2.41	5.81	0.02	92.64	7.34	9.02	0.4604	9.07	20.48	2.62	> 10 ²⁰
184	283	7/2		1.10	0.62	2011.42	3.06	5.47	0.01	86.61	13.38	8.39	0.2937	9.09	20.81	2.71	> 10 ²⁰
185	284	7/2	1/2	1.06	0.63	2013.16	1.74	4.80	15.60	0.29	84.11	10.03	0.3060	9.63	21.32	3.02	> 10 ²⁰
186	285	7/2		1.04	0.63	2015.99	2.83	4.57	0.01	83.22	16.32	8.89	0.2302	9.59	21.61	2.92	> 10 ²⁰
187	286	3/2 ⁻	5/2 ⁻	0.86	0.71	2017.46	1.47	4.30	0.47	8.18	90.92	9.98	0.0533	9.72	21.84	2.68	> 10 ²⁰
188	287	3/2 ⁻		0.85	0.70	2020.81	3.35	4.82	1.21	36.65	61.59	8.90	0.0522	10.09	22.41	1.87	> 10 ²⁰
189	288	3/2 ⁻	5/2 ⁺	0.85	0.70	2022.87	2.06	5.40	1.82	12.14	85.69	10.11	0.0733	10.40	22.74	1.05	> 10 ²⁰
190	289	3/2 ⁻		0.85	0.68	2025.98	3.11	5.16	1.30	57.82	40.60	9.06	0.0517	10.41	23.07	0.72	> 10 ²⁰
191	290	3/2 ⁻	1/2 ⁺	0.85	0.68	2027.87	1.89	5.00	1.65	12.78	85.23	10.62	0.0492	10.72	23.39	0.55	> 10 ²⁰
192	291	3/2 ⁻		0.85	0.67	2030.78	2.91	4.80	1.16	47.41	50.84	9.62	0.0366	10.76	23.74	0.42	> 10 ²⁰
193	292	3/2 ⁻	7/2 ⁺	0.85	0.67	2032.51	1.73	4.64	1.15	2.69	95.21	11.10	0.0371	11.08	24.10	0.27	> 10 ²⁰
194	293	3/2 ⁻		0.85	0.67	2035.22	2.71	4.44	0.91	20.18	76.79	10.14	0.0267	11.09	24.43	0.11	> 10 ²⁰
195	294	3/2 ⁻	1/2 ⁻	0.85	0.67	2036.77	1.55	4.27	2.83	11.23	68.66	11.62	0.0237	11.41	24.78	-0.07	
196	295	3/2 ⁻		0.85	0.66	2039.33	2.56	4.11	1.23	13.14	54.16	10.64	0.0204	11.43	25.11	-0.24	
197	296	3/2 ⁻	5/2 ⁻	0.84	0.65	2040.82	1.49	4.05	2.13	6.11	49.46	12.01	0.0194	11.84	25.47	-0.53	
198	297	3/2 ⁻		0.84	0.64	2043.24	2.41	3.91	1.73	9.12	27.80	11.12	0.0154	11.79	25.86	-0.73	
199	298	3/2 ⁻	7/2 ⁻	0.84	0.63	2044.64	1.40	3.82	1.99	0.79	44.28	12.44	0.0136	12.17	26.20	-0.99	
200	299	3/2 ⁻		0.84	0.62	2046.94	2.30	3.70	2.11	6.55	20.10	11.59	0.0121	12.14	26.52	-1.26	
201	300	3/2 ⁻	9/2 ⁺	0.84	0.61	2048.20	1.26	3.56	1.54	1.53	25.27	13.02	0.0114	12.49	26.93	-1.46	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 99 (Es)																	
202	301	3/2 ⁻		0.84	0.60	2050.27	2.07	3.34	1.53	2.07	12.79	12.18	0.0091	12.52	27.28	-1.56	
203	302	3/2 ⁻	5/2 ⁺	0.84	0.60	2051.31	1.03	3.11	2.26	0.56	10.20	13.50	0.0092	12.81	27.47	-1.74	
204	303	3/2 ⁻		0.84	0.60	2053.13	1.82	2.86	1.48	2.30	5.02	12.81	0.0070	12.82	27.76	-1.84	
205	304	3/2 ⁻	7/2 ⁺	0.84	0.61	2053.91	0.77	2.60	1.60	0.00	2.22	14.15	0.0069	12.98	27.99	-1.77	
206	305	3/2 ⁻		0.85	0.61	2055.52	1.62	2.39	1.08	1.43	0.34	13.04	0.0062	13.00	28.45	-1.85	
207	306	3/2 ⁻	1/2 ⁺	0.85	0.61	2056.08	0.56	2.17	0.98	0.17	1.09	14.59	0.0054	13.24	28.63	-1.86	
208	307	3/2 ⁻		0.86	0.60	2057.58	1.50	2.06	0.35	1.37	0.53	13.48	0.0053	13.31	28.72	-2.21	
209	308	3/2 ⁻	3/2 ⁺	0.86	0.59	2058.23	0.65	2.15	1.00	0.08	1.15	14.59	0.0059	13.52	29.03	-2.49	
210	309	3/2 ⁻		0.86	0.59	2059.59	1.35	2.01	1.07	1.42	0.76	13.89	0.0046	13.50	29.21	-2.43	
211	310	3/2 ⁻	7/2 ⁻	0.86	0.59	2059.97	0.38	1.74	0.14	3.32	2.85	15.13	0.0045	13.82	29.57	-2.47	
212	311	3/2 ⁻		0.86	0.59	2061.06	1.09	1.48	0.41	2.11	1.80	14.45	0.0038	13.84	29.87	-2.39	
213	312	3/2 ⁻	11/2 ⁺	0.87	0.59	2061.20	0.13	1.23	0.22	0.18	3.03	15.76	0.0037	14.27	30.34	-2.50	
214	313	3/2 ⁻		0.86	0.58	2062.30	1.10	1.24	0.00	...	...	14.61	0.0038	14.43	30.81	-2.81	
215	314	3/2 ⁻	9/2 ⁻	0.87	0.57	2062.18	-0.11	0.99	...	...	...	16.34	0.0026	14.58	31.02	-3.03	
216	315	3/2 ⁻		0.88	0.56	2063.08	0.89	0.78	0.00	...	...	15.38	0.0027	14.63	31.35	-3.29	
217	316	3/2 ⁻	1/2 ⁻	0.88	0.56	2063.21	0.13	1.03	...	...	...	16.51	0.0027	14.91	31.70	-3.75	
218	317	3/2 ⁻		0.89	0.56	2063.84	0.63	0.76	0.00	...	...	15.73	0.0024	14.89	31.72	-3.82	
219	318	3/2 ⁻	3/2 ⁻	0.89	0.56	2063.83	-0.01	0.62	...	...	...	17.00	0.0023	15.16	32.28	-4.03	
220	319	3/2 ⁻		0.89	0.54	2064.65	0.81	0.81	0.62	...	...	16.23	0.0020	15.18	32.64	-4.23	
221	320	3/2 ⁻	13/2 ⁺	0.90	0.55	2064.31	-0.34	0.48	0.00	0.00	1.45	17.67	0.0018	15.48	32.96	-4.47	
222	321	3/2 ⁻		0.90	0.54	2064.65	0.34	0.00	0.00	...	...	17.03	0.0015	15.52	33.23	-4.34	
223	322	3/2 ⁻	9/2 ⁻	0.90	0.54	2064.09	-0.56	-0.22	...	...	...	18.19	0.0015	15.76	33.55	-4.44	
224	323	3/2 ⁻		0.91	0.54	2064.26	0.17	-0.40	0.00	0.00	0.00	17.52	0.0013	15.77	33.84	-4.54	
225	324	3/2 ⁻	11/2 ⁻	0.91	0.54	2063.53	-0.73	-0.56	0.00	0.00	...	18.71	0.0012	16.08		-4.69	
226	325	7/2 ⁻		0.91	0.54	2063.55	0.02	-0.70	0.00	0.00	0.00	17.97	0.0011	19.32		-4.84	
227	326	7/2 ⁺	17/2 ⁺	1.10	0.53	2059.90	-3.66	-3.63	0.00	0.00	...	21.96	0.0003	16.06			
228	327	5/2 ⁺		1.10	0.52	2060.94	1.04	-2.62	0.00	0.00	0.00	17.35	0.0011				
229	328	7/2 ⁺	7/2 ⁻	1.10	0.57	2060.31	-0.63	0.41	0.00	0.00	0.00	19.30	0.0009				
Z = 100 (Fm)																	
126	226			1.21	0.90	1665.70						7.27	0.1643	-0.06	-2.24	10.42	10 ^{-5.29}
127	227		9/2	1.20	0.85	1673.74	8.04					9.47	0.1177	0.00	-1.78	11.69	10 ^{-6.97}
128	228			1.14	0.81	1684.14	10.40	18.45				6.09	0.2103	0.15	-1.39	12.09	10 ^{-8.79}
129	229		1/2 ⁺	1.17	0.81	1691.40	7.25	17.66				9.69	0.0935	0.38	-0.87	12.42	10 ^{-8.33}
130	230			0.80	0.87	1702.43	11.03	18.28				7.16	0.3939	0.56	-0.26	11.40	10 ^{-7.45}
131	231		3/2 ⁺	0.80	0.87	1710.97	8.54	19.57				8.40	0.5392	0.60	0.17	9.60	10 ^{-2.18}
132	232			0.80	0.87	1721.12	10.15	18.70				6.48	0.6702	0.97	0.55	9.86	10 ^{-3.93}
133	233		5/2 ⁻	0.80	0.86	1729.42	8.30	18.45				7.68	0.9966	1.03	0.98	9.68	10 ^{-2.39}
134	234			0.80	0.88	1739.29	9.87	18.16				5.84	1.0303	1.41	1.32	9.58	10 ^{-3.19}
135	235		5/2 ⁻	0.80	0.88	1747.23	7.94	17.81				7.18	1.3204	1.32	1.66	9.50	10 ^{-1.92}
136	236			0.80	0.88	1756.89	9.66	17.60				5.30	1.5190	1.70	2.07	9.38	10 ^{-2.64}
137	237		5/2 ⁻	0.80	0.86	1764.67	7.77	17.44				6.57	2.1920	1.69	2.42	9.20	10 ^{-1.09}
138	238			0.80	0.85	1774.11	9.45	17.22				4.68	2.6349	2.10	2.91	9.01	10 ^{-1.60}
139	239		5/2 ⁻	0.80	0.84	1781.68	7.57	17.02				5.93	4.0100	2.11	3.27	8.86	10 ^{-0.11}
140	240			0.80	0.82	1790.80	9.11	16.68				4.05	5.2374	2.41	3.68	8.71	10 ^{-0.71}
141	241		1/2 ⁻	0.80	0.80	1798.09	7.29	16.41				5.30	6.8165	2.46	4.12	8.62	10 ^{0.64}
142	242			0.80	0.79	1806.99	8.90	16.19				3.38	8.9145	2.82	4.58	8.43	10 ^{0.17}
143	243		7/2 ⁻	0.80	0.77	1814.03	7.04	15.94				4.39	14.5267	2.87	4.88	8.24	10 ^{1.85}
144	244			0.80	0.76	1822.49	8.46	15.50				2.87	15.5832	3.29	5.33	8.22	10 ^{0.87}
145	245		1/2 ⁺	0.79	0.75	1829.48	6.99	15.46				3.63	30.5368	3.34	5.82	7.95	10 ^{2.83}
146	246			0.79	0.74	1837.63	8.15	15.15				1.96	48.0406	3.73	6.26	7.82	10 ^{2.24}
147	247		5/2 ⁺	0.79	0.72	1844.16	6.53	14.68				2.89	57.7479	3.79	6.72	7.80	10 ^{3.40}
148	248			0.79	0.71	1852.03	7.87	14.40				1.25	> 100	4.19	7.19	7.64	10 ^{2.91}
149	249		7/2 ⁺	0.79	0.70	1858.31	6.28	14.15				2.19	39.1576	4.25	7.62	7.43	10 ^{4.79}
150	250			0.79	0.70	1865.95	7.64	13.92				0.64	> 100	4.66	8.13	7.19	10 ^{4.66}
151	251		9/2 ⁻	0.79	0.69	1872.12	6.16	13.80				1.29	> 100	4.74	8.76	6.87	10 ^{7.06}
152	252			0.80	0.71	1879.33	7.21	13.38				...	β -stable	5.14	9.04	6.79	10 ^{6.36}
153	253		7/2 ⁺	0.80	0.70	1884.48	5.16	12.37				0.34	> 100	5.18	9.42	7.17	10 ^{5.81}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 100$ (Fm)																	
154	254			0.82	0.68	1891.19	6.70	11.86				...	β -stable	5.58	9.87	7.39	$10^{3.85}$
155	255		11/2 ⁻	0.83	0.68	1896.18	4.99	11.70				...	β -stable	5.90	10.55	7.18	$10^{5.77}$
156	256			0.84	0.69	1902.38	6.20	11.19				...	β -stable	6.01	10.69	7.24	$10^{4.46}$
157	257		9/2 ⁺	0.85	0.68	1907.34	4.96	11.16				...	β -stable	6.07	11.11	6.59	$10^{8.36}$
158	258			0.86	0.67	1913.67	6.33	11.30				...	β -stable	6.47	11.66	6.31	$10^{8.61}$
159	259		1/2 ⁺	0.87	0.66	1918.56	4.88	11.22	100.00	0.00	0.00	0.15	> 100	6.68	12.09	5.97	$10^{11.46}$
160	260			0.88	0.65	1924.71	6.16	11.04				...	β -stable	6.95	12.39	5.59	$10^{12.54}$
161	261		3/2 ⁺	0.90	0.65	1929.42	4.70	10.86	100.00	0.00	0.00	0.75	> 100	6.97	12.79	5.34	$10^{15.14}$
162	262			0.91	0.66	1935.47	6.05	10.75				...	β -stable	7.35	13.19	5.15	$10^{15.34}$
163	263		13/2 ⁻	0.93	0.66	1939.74	4.27	10.32	100.00	0.00	0.00	1.59	> 100	7.40	13.54	5.18	$10^{16.19}$
164	264			0.93	0.65	1945.16	5.42	9.69	100.00	0.00	0.00	0.80	> 100	7.75	13.97	5.42	$10^{13.60}$
165	265		9/2 ⁺	0.94	0.66	1948.90	3.74	9.16	100.00	0.00	0.00	2.47	> 100	7.72	14.24	5.59	$10^{13.60}$
166	266			0.95	0.65	1954.11	5.20	8.95	100.00	0.00	0.00	1.34	> 100	8.06	14.62	5.38	$10^{13.82}$
167	267		11/2 ⁺	0.97	0.65	1957.40	3.30	8.50	100.00	0.00	0.00	3.27	7.4366	8.07	14.82	5.55	$10^{13.85}$
168	268			0.96	0.64	1962.72	5.31	8.61	100.00	0.00	0.00	1.83	> 100	8.36	15.13	5.06	$10^{15.95}$
169	269		3/2 ⁺	0.98	0.64	1966.47	3.76	9.07	100.00	0.00	0.00	2.98	> 100	8.39	15.46	4.40	> 10^{20}
170	270			1.02	0.61	1971.15	4.67	8.43	100.00	0.00	0.00	2.37	76.4310	8.74	15.94	4.74	$10^{18.30}$
171	271		3/2 ⁺	1.04	0.61	1974.72	3.58	8.25	100.00	0.00	0.00	3.81	55.2029	8.71	16.23	4.59	> 10^{20}
172	272			1.07	0.60	1979.56	4.84	8.41	100.00	0.00	0.00	2.50	> 100	9.06	16.12	3.95	> 10^{20}
173	273		5/2 ⁺	1.07	0.59	1983.21	3.65	8.49	100.00	0.00	0.00	3.89	40.3777	9.11	16.74	3.58	> 10^{20}
174	274			1.07	0.58	1987.99	4.78	8.43	100.00	0.00	0.00	2.88	55.8010	9.44	17.08	3.74	> 10^{20}
175	275		1/2 ⁺	1.07	0.58	1991.40	3.40	8.18	100.00	0.00	0.00	4.28	29.8607	9.44	17.42	3.38	> 10^{20}
176	276			1.09	0.58	1995.77	4.38	7.78	100.00	0.00	0.00	3.62	16.1094	9.75	17.39	3.44	> 10^{20}
177	277		1/2 ⁺	1.07	0.61	1999.11	3.34	7.72	99.98	0.02	0.00	4.68	6.3248	9.66	17.84	3.16	> 10^{20}
178	278			1.08	0.62	2003.42	4.30	7.64	100.00	0.00	0.00	3.93	7.4422	9.99	18.18	3.26	> 10^{20}
179	279		1/2 ⁺	1.13	0.57	2006.16	2.74	7.04	48.61	51.39	0.00	5.51	14.6082	10.06	18.58	3.41	> 10^{20}
180	280			1.13	0.56	2010.23	4.08	6.82	0.17	99.83	0.00	4.46	44.7319	10.38	18.84	3.30	> 10^{20}
181	281		3/2 ⁺	1.15	0.55	2012.94	2.70	6.78	5.71	94.29	0.00	5.84	30.1959	10.39	19.15	2.93	> 10^{20}
182	282			1.12	0.53	2016.60	3.67	6.37	0.59	99.41	0.00	5.16	18.3607	10.65	19.35	3.08	> 10^{20}
183	283		3/2	1.12	0.58	2019.02	2.42	6.09	0.92	99.08	0.00	6.41	22.6353	10.66	19.73	3.06	> 10^{20}
184	284			1.11	0.62	2022.40	3.38	5.80	4.33	95.67	0.00	5.77	5.3150	10.99	20.08	3.14	> 10^{20}
185	285		1/2	1.05	0.63	2024.10	1.69	5.08	76.30	0.05	23.66	7.51	1.6866	10.94	20.57	3.49	> 10^{20}
186	286			1.15	0.67	2026.67	2.57	4.26	14.65	0.05	85.31	6.31	2.3225	10.68	20.26	3.95	> 10^{20}
187	287		3/2	1.00	0.64	2028.93	2.26	4.83	95.67	0.08	4.25	7.94	1.6613	11.46	21.18	2.90	> 10^{20}
188	288			0.85	0.70	2032.19	3.26	5.53	11.22	88.77	0.01	6.71	0.0771	11.38	21.47	2.51	> 10^{20}
189	289		5/2 ⁺	0.85	0.69	2034.26	2.07	5.33	5.98	70.69	23.33	7.92	0.1112	11.39	21.79	1.79	> 10^{20}
190	290			0.85	0.69	2037.71	3.45	5.52	17.41	82.47	0.11	6.84	0.0814	11.73	22.14	1.31	> 10^{20}
191	291		1/2 ⁺	0.85	0.68	2039.62	1.91	5.36	6.72	77.60	15.68	8.41	0.0764	11.75	22.48	1.14	> 10^{20}
192	292			0.85	0.67	2042.82	3.20	5.12	9.15	90.60	0.25	7.44	0.0524	12.04	22.80	1.04	> 10^{20}
193	293		7/2 ⁺	0.85	0.67	2044.57	1.75	4.96	1.96	56.45	41.59	8.91	0.0551	12.07	23.15	0.87	> 10^{20}
194	294			0.85	0.67	2047.61	3.03	4.79	4.24	95.15	0.61	7.93	0.0391	12.39	23.48	0.71	> 10^{20}
195	295		1/2 ⁻	0.85	0.67	2049.19	1.58	4.61	16.95	31.00	52.03	9.40	0.0333	12.41	23.82	0.54	> 10^{20}
196	296			0.84	0.66	2052.05	2.86	4.44	3.75	79.12	17.10	8.43	0.0292	12.72	24.15	0.38	> 10^{20}
197	297		5/2 ⁻	0.84	0.65	2053.58	1.53	4.40	7.94	24.07	67.65	9.77	0.0271	12.76	24.59	0.08	> 10^{20}
198	298			0.84	0.64	2056.30	2.71	4.25	1.13	61.79	36.66	8.89	0.0215	13.06	24.85	-0.10	
199	299		7/2 ⁻	0.84	0.63	2057.75	1.45	4.17	3.50	26.02	69.91	10.23	0.0178	13.10	25.27	-0.47	
200	300			0.84	0.62	2060.44	2.69	4.14	1.38	45.27	52.73	9.29	0.0169	13.50	25.63	-0.69	
201	301		9/2 ⁺	0.84	0.61	2061.67	1.24	3.93	1.44	13.27	84.27	10.74	0.0157	13.47	25.97	-0.90	
202	302			0.84	0.60	2064.03	2.35	3.59	1.75	28.39	68.26	9.97	0.0118	13.75	26.27	-0.93	
203	303		5/2 ⁺	0.83	0.60	2065.16	1.14	3.49	2.36	5.58	77.07	11.23	0.0123	13.85	26.66	-1.16	
204	304			0.83	0.60	2067.27	2.11	3.25	2.02	14.65	42.97	10.44	0.0100	14.14	26.96	-1.22	
205	305		11/2 ⁺	0.83	0.61	2067.78	0.50	2.62	2.14	0.20	26.44	12.04	0.0084	13.87	26.85	-0.98	
206	306			0.84	0.61	2069.89	2.11	2.62	1.73	5.44	19.23	10.74	0.0093	14.37	27.37	-1.28	
207	307		1/2 ⁺	0.85	0.62	2070.28	0.39	2.50	1.23	0.45	8.20	12.37	0.0074	14.20	27.44	-1.05	
208	308			0.85	0.60	2072.04	1.76	2.15	1.28	4.96	4.08	11.49	0.0062	14.46	27.77	-1.22	
209	309		3/2 ⁺	0.85	0.60	2072.69	0.65	2.41	0.61	1.08	6.53	12.56	0.0071	14.46	27.99	-1.56	
210	310			0.85	0.60	2074.32	1.63	2.28	1.71	1.15	4.18	11.67	0.0063	14.73	28.23	-1.76	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 100 (Fm)																	
211	311		7/2 ⁻	0.85	0.59	2074.73	0.41	2.04	4.54	1.46	2.74	12.92	0.0061	14.76	28.58	-1.73	
212	312			0.86	0.59	2076.17	1.44	1.85	2.41	1.51	0.59	12.20	0.0052	15.11	28.95	-1.78	
213	313		11/2 ⁺	0.86	0.60	2076.12	-0.05	1.39	0.03	2.65	1.53	13.55	0.0051	14.93	29.19	-1.68	
214	314			0.86	0.58	2077.75	1.62	1.58	3.32	1.51	0.52	12.54	0.0046	15.45	29.87	-2.23	
215	315		9/2 ⁻	0.86	0.58	2077.68	-0.07	1.55	2.33	1.18	1.17	14.10	0.0035	15.49	30.08	-2.45	
216	316			0.86	0.57	2078.94	1.26	1.20	2.08	3.36	0.21	13.18	0.0035	15.86	30.50	-2.78	
217	317		1/2 ⁻	0.87	0.57	2078.79	-0.16	1.11	2.71	2.26	3.82	14.60	0.0030	15.58	30.49	-2.89	
218	318			0.88	0.56	2080.05	1.26	1.11	4.59	2.43	0.02	13.81	0.0026	16.21	31.09	-3.31	
219	319		3/2 ⁻	0.88	0.55	2080.09	0.04	1.30	1.83	1.48	5.67	14.73	0.0030	16.26	31.42	-3.49	
220	320			0.88	0.54	2081.20	1.11	1.15	3.37	5.04	0.53	13.99	0.0026	16.55	31.73	-3.95	
221	321		13/2 ⁺	0.88	0.55	2080.90	-0.31	0.81	0.00	1.29	4.16	15.35	0.0024	16.58	32.06	-3.93	
222	322			0.88	0.54	2081.50	0.61	0.30	2.11	4.64	2.14	14.78	0.0019	16.85	32.37	-3.73	
223	323		9/2 ⁻	0.89	0.54	2081.00	-0.50	0.10	3.77	0.00	5.40	15.97	0.0018	16.91	32.67	-3.87	
224	324			0.89	0.54	2081.46	0.46	-0.05	0.00	...	...	15.27	0.0016	17.20	32.97	-4.03	
225	325		11/2 ⁻	0.89	0.54	2080.74	-0.71	-0.26	...	...	...	16.47	0.0015	17.21	33.29	-4.12	
226	326			0.90	0.53	2081.07	0.33	-0.38	0.00	0.00	0.00	15.67	0.0014	17.52	36.84	-4.30	
227	327		17/2 ⁺	1.10	0.53	2077.50	-3.57	-3.24				19.57		17.61	33.67	-1.76	
228	328			1.10	0.52	2078.82	1.32	-2.25				14.81		17.89		-6.29	
229	329		7/2 ⁻	1.10	0.57	2078.18	-0.64	0.67				16.77		17.87		-6.05	
230	330			1.10	0.54	2078.58	0.41	-0.24				16.00					
231	331		3/2 ⁻	1.08	0.54	2077.52	-1.06	-0.66				17.44					
Z = 101 (Md)																	
128	229	13/2		1.12	0.82	1681.90						8.72	0.1377	-2.25	-2.10	12.15	10 ^{-7.86}
129	230	7/2 ⁺	1/2 ⁺	1.16	0.82	1689.47	7.58					12.17	0.0646	-1.92	-1.55	12.57	10 ^{-8.28}
130	231	1/2 ⁻		0.81	0.87	1700.56	11.09	18.67				9.62	0.2902	-1.86	-1.31	11.73	10 ^{-7.05}
131	232	1/2 ⁻	3/2 ⁺	0.81	0.87	1709.53	8.97	20.06				10.81	0.3950	-1.44	-0.83	9.78	10 ^{-2.29}
132	233	1/2 ⁻		0.81	0.87	1719.74	10.21	19.17				8.90	0.4769	-1.39	-0.41	10.43	10 ^{-4.23}
133	234	1/2 ⁻	5/2 ⁺	0.81	0.87	1728.42	8.68	18.89				10.09	0.3265	-1.00	0.03	10.24	10 ^{-3.44}
134	235	1/2 ⁻		0.81	0.87	1738.38	9.95	18.64				8.07	0.8870	-0.91	0.49	10.07	10 ^{-3.36}
135	236	7/2 ⁻	5/2 ⁻	0.81	0.88	1746.67	8.29	18.25				9.44	1.1278	-0.56	0.76	10.02	10 ^{-2.89}
136	237	7/2 ⁻		0.81	0.88	1756.30	9.64	17.92				7.58	1.1539	-0.59	1.11	9.88	10 ^{-2.87}
137	238	7/2 ⁻	5/2 ⁺	0.81	0.87	1764.42	8.12	17.76				8.91	0.5949	-0.24	1.45	9.78	10 ^{-2.28}
138	239	7/2 ⁻		0.82	0.86	1773.78	9.36	17.48				7.12	1.5962	-0.33	1.76	9.70	10 ^{-2.42}
139	240	7/2 ⁻	5/2 ⁻	0.82	0.84	1781.74	7.95	17.31				8.28	2.9239	0.05	2.16	9.53	10 ^{-1.62}
140	241	7/2 ⁻		0.82	0.82	1790.97	9.23	17.18				6.34	3.2288	0.17	2.58	9.35	10 ^{-1.46}
141	242	7/2 ⁻	1/2 ⁻	0.82	0.80	1798.63	7.67	16.90				7.57	4.5560	0.54	3.00	9.24	10 ^{-0.81}
142	243	7/2 ⁻		0.82	0.79	1807.56	8.93	16.59				5.68	5.9971	0.57	3.39	9.13	10 ^{-0.83}
143	244	7/2 ⁻	7/2 ⁻	0.82	0.77	1814.96	7.40	16.33				6.74	9.0797	0.94	3.81	8.96	10 ^{-0.01}
144	245	7/2 ⁻		0.81	0.77	1823.47	8.51	15.91				5.23	9.2868	0.98	4.27	8.99	10 ^{-0.43}
145	246	7/2 ⁻	1/2 ⁺	0.81	0.76	1830.58	7.11	15.61				6.28	13.0075	1.09	4.43	8.87	10 ^{0.26}
146	247	7/2 ⁻		0.80	0.75	1839.05	8.47	15.58				4.33	25.6822	1.42	5.15	8.45	10 ^{1.25}
147	248	7/2 ⁻	5/2 ⁺	0.80	0.73	1845.97	6.93	15.40				5.28	32.4924	1.81	5.60	8.46	10 ^{1.54}
148	249	7/2 ⁻		0.80	0.72	1853.92	7.95	14.87				3.61	90.1148	1.89	6.08	8.27	10 ^{1.83}
149	250	7/2 ⁻	7/2 ⁺	0.80	0.71	1860.59	6.67	14.62				4.58	22.0647	2.28	6.53	8.08	10 ^{2.84}
150	251	7/2 ⁻		0.80	0.71	1868.31	7.72	14.39				3.02	> 100	2.36	7.02	7.82	10 ^{3.39}
151	252	7/2 ⁻	9/2 ⁻	0.80	0.71	1874.84	6.53	14.25				3.70	> 100	2.73	7.47	7.51	10 ^{4.89}
152	253	7/2 ⁻		0.80	0.71	1882.13	7.29	13.82				1.57	> 100	2.81	7.95	7.45	10 ^{4.81}
153	254	7/2 ⁻	7/2 ⁺	0.80	0.70	1887.71	5.57	12.86				2.70	> 100	3.22	8.40	7.97	10 ^{3.23}
154	255	7/2 ⁻		0.81	0.69	1894.46	6.76	12.33				0.93	> 100	3.28	8.86	8.02	10 ^{2.70}
155	256	7/2 ⁻	11/2 ⁻	0.81	0.68	1899.90	5.43	12.19				1.69	> 100	3.72	9.62	7.70	10 ^{4.18}
156	257	7/2 ⁻		0.82	0.69	1906.13	6.23	11.66				0.43	> 100	3.75	9.77	7.77	10 ^{3.58}
157	258	7/2 ⁻	9/2 ⁺	0.82	0.68	1911.53	5.40	11.63	100.00	0.00	0.00	±	±	4.19	10.26	7.05	10 ^{6.79}
158	259	7/2 ⁻		0.83	0.67	1917.93	6.40	11.80				...	β-stable	4.26	10.72	6.73	10 ^{7.85}
159	260	7/2 ⁻	1/2 ⁺	0.84	0.66	1923.20	5.27	11.67	100.00	0.00	0.00	±	±	4.64	11.32	6.37	10 ^{9.90}
160	261	7/2 ⁻		0.86	0.66	1929.39	6.18	11.46	100.00	0.00	0.00	0.06	> 100	4.67	11.63	6.12	10 ^{10.84}
161	262	7/2 ⁻	3/2 ⁺	0.87	0.66	1934.45	5.07	11.26	100.00	0.00	0.00	±	±	5.04	12.01	5.72	10 ^{13.42}
162	263	7/2 ⁻		0.88	0.67	1940.55	6.09	11.16	100.00	0.00	0.00	0.76	> 100	5.08	12.43	5.51	10 ^{14.33}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 101 (Md)																	
163	264	7/2 ⁻	13/2 ⁻	0.89	0.66	1945.17	4.63	10.72	100.00	0.00	0.00	2.62	> 100	5.43	12.83	5.56	10 ^{14.32}
164	265	7/2 ⁻		0.90	0.66	1950.59	5.42	10.05	100.00	0.00	0.00	1.86	> 100	5.44	13.19	5.81	10 ^{12.51}
165	266	7/2 ⁻	9/2 ⁺	0.91	0.66	1954.67	4.07	9.49	100.00	0.00	0.00	3.57	> 100	5.76	13.49	5.97	10 ^{11.99}
166	267	7/2 ⁻		0.90	0.66	1959.89	5.23	9.30	100.00	0.00	0.00	2.41	> 100	5.79	13.85	5.81	10 ^{12.52}
167	268	7/2 ⁻	11/2 ⁺	0.94	0.64	1963.77	3.87	9.10	100.00	0.00	0.00	4.13	45.4441	6.36	14.43	5.71	10 ^{13.44}
168	269	7/2 ⁻		0.94	0.64	1968.67	4.91	8.78	100.00	0.00	0.00	3.16	> 100	5.95	14.31	5.67	10 ^{13.34}
169	270	3/2 ⁻	3/2 ⁺	0.96	0.64	1972.74	4.07	8.98	100.00	0.00	0.00	4.32	> 100	6.26	14.65	4.89	10 ^{18.82}
170	271	3/2 ⁻		0.99	0.62	1977.75	5.01	9.08	100.00	0.00	0.00	3.40	> 100	6.60	15.34	4.90	10 ^{18.40}
171	272	3/2 ⁻	3/2 ⁺	1.03	0.60	1981.28	3.52	8.53	100.00	0.00	0.00	5.20	> 100	6.55	15.26	5.11	10 ^{17.26}
172	273	3/2 ⁻		1.04	0.59	1986.32	5.04	8.57	100.00	0.00	0.00	3.74	> 100	6.76	15.82	4.39	> 10 ²⁰
173	274	3/2 ⁻	5/2 ⁺	1.06	0.59	1990.10	3.78	8.82	100.00	0.00	0.00	5.30	> 100	6.88	15.99	4.21	> 10 ²⁰
174	275	3/2 ⁻		1.06	0.58	1994.90	4.80	8.58	99.42	0.58	0.00	4.32	> 100	6.90	16.34	3.90	> 10 ²⁰
175	276	3/2 ⁻	1/2 ⁺	1.06	0.58	1998.61	3.72	8.52	95.97	4.03	0.00	5.74	> 100	7.22	16.66	3.79	> 10 ²⁰
176	277	3/2 ⁻		1.06	0.59	2003.01	4.39	8.11	76.11	23.89	0.00	5.09	55.6539	7.23	16.99	3.84	> 10 ²⁰
177	278	7/2 ⁺	1/2 ⁺	1.06	0.61	2006.56	3.56	7.95	94.94	5.06	0.00	6.25	2.5901	7.45	17.11	3.68	> 10 ²⁰
178	279	7/2 ⁺		1.06	0.63	2010.88	4.32	7.88	86.88	13.12	0.00	5.35	2.3366	7.47	17.46	3.44	> 10 ²⁰
179	280	7/2 ⁺	1/2 ⁺	1.12	0.57	2013.91	3.02	7.34	27.26	72.74	0.00	6.97	2.0782	7.75	17.81	3.84	> 10 ²⁰
180	281	7/2 ⁺		1.13	0.56	2017.99	4.08	7.11	7.57	92.43	0.00	6.03	2.2440	7.76	18.14	3.73	> 10 ²⁰
181	282	7/2 ⁻	3/2 ⁺	1.14	0.55	2020.98	2.99	7.08	46.67	53.33	0.00	7.44	> 100	8.05	18.44	3.41	> 10 ²⁰
182	283	7/2		1.09	0.55	2024.65	3.67	6.66	0.31	99.69	0.00	6.72	1.5025	8.05	18.70	3.50	> 10 ²⁰
183	284	13/2	3/2	1.09	0.59	2027.39	2.74	6.41	0.04	99.92	0.04	8.03	1.3136	8.37	19.03	3.45	> 10 ²⁰
184	285	13/2		1.07	0.62	2030.82	3.43	6.17	0.02	99.27	0.71	7.29	0.8859	8.42	19.40	3.43	> 10 ²⁰
185	286	9/2 ⁺	11/2 ⁻	1.15	0.67	2032.19	1.37	4.80	13.01	83.56	3.44	9.58	0.4156	8.10	19.03	4.46	> 10 ²⁰
186	287	13/2		1.01	0.63	2036.08	3.89	5.26	0.01	97.53	2.46	7.84	0.5949	9.42	20.09	3.63	> 10 ²⁰
187	288	13/2	3/2	0.99	0.64	2038.11	2.03	5.92	38.23	1.63	60.13	9.26	1.5216	9.19	20.65	3.34	> 10 ²⁰
188	289	7/2 ⁻		0.85	0.70	2041.39	3.28	5.31	0.32	86.58	13.11	8.00	0.0840	9.20	20.58	2.89	> 10 ²⁰
189	290	7/2 ⁻	5/2 ⁺	0.85	0.69	2043.76	2.37	5.65	1.84	4.09	94.07	7.26	2.9019	9.51	20.90	2.00	> 10 ²⁰
190	291	7/2 ⁻		0.85	0.69	2047.25	3.48	5.85	21.90	67.52	10.58	7.81	0.1310	9.54	21.27	1.86	> 10 ²⁰
191	292	7/2 ⁻	1/2 ⁺	0.85	0.68	2049.48	2.23	5.71	2.64	97.29	0.07	9.37	0.1231	9.86	21.61	1.69	> 10 ²⁰
192	293	7/2 ⁻		0.85	0.67	2052.71	3.23	5.46	0.55	92.04	7.41	8.38	0.0816	9.88	21.92	1.57	> 10 ²⁰
193	294	7/2 ⁻	7/2 ⁺	0.84	0.67	2054.75	2.05	5.28	0.83	19.99	79.18	9.90	0.0816	10.18	22.25	1.41	> 10 ²⁰
194	295	7/2 ⁻		0.84	0.67	2057.81	3.05	5.10	1.02	58.97	39.99	8.91	0.0557	10.20	22.59	1.27	> 10 ²⁰
195	296	7/2 ⁻	1/2 ⁻	0.84	0.66	2059.69	1.89	4.94	13.53	12.87	73.48	10.37	0.0465	10.51	22.92	1.11	> 10 ²⁰
196	297	7/2 ⁻		0.84	0.66	2062.57	2.88	4.77	1.37	38.70	59.67	9.39	0.0400	10.53	23.25	0.94	> 10 ²⁰
197	298	7/2 ⁻	5/2 ⁻	0.83	0.65	2064.41	1.83	4.71	1.94	16.32	81.34	10.76	0.0367	10.82	23.58	0.66	> 10 ²⁰
198	299	7/2 ⁻		0.83	0.64	2067.20	2.79	4.62	1.60	34.66	62.81	9.83	0.0291	10.90	23.96	0.43	> 10 ²⁰
199	300	7/2 ⁻	7/2 ⁻	0.83	0.63	2068.95	1.75	4.54	1.38	17.48	75.91	11.19	0.0235	11.20	24.30	0.17	> 10 ²⁰
200	301	7/2 ⁻		0.83	0.61	2071.63	2.69	4.43	1.23	25.23	66.41	10.28	0.0220	11.19	24.69	-0.10	
201	302	7/2 ⁻	9/2 ⁺	0.83	0.61	2073.21	1.58	4.26	1.16	1.02	89.96	11.69	0.0207	11.53	25.01	-0.27	
202	303	7/2 ⁻		0.82	0.60	2075.61	2.40	3.98	1.34	14.93	45.05	10.88	0.0153	11.59	25.34	-0.38	
203	304	7/2 ⁻	5/2 ⁺	0.82	0.60	2076.93	1.32	3.72	1.82	1.18	34.94	12.25	0.0156	11.77	25.62	-0.43	
204	305	7/2 ⁻		0.82	0.60	2079.03	2.11	3.42	1.56	1.98	27.73	11.44	0.0125	11.76	25.90	-0.46	
205	306	7/2 ⁻	11/2 ⁺	0.82	0.61	2079.84	0.81	2.92	1.71	1.34	12.89	13.03	0.0105	12.07	25.94	-0.24	
206	307	7/2 ⁻		0.82	0.62	2081.87	2.02	2.83	2.13	2.06	5.46	11.85	0.0104	11.98	26.34	-0.44	
207	308	7/2 ⁻	1/2 ⁺	0.83	0.62	2082.74	0.88	2.90	1.79	0.45	1.67	13.01	0.0114	12.46	26.67	-0.54	
208	309	7/2 ⁻		0.84	0.62	2084.48	1.73	2.61	2.14	1.67	0.23	12.13	0.0092	12.44	26.90	-0.66	
209	310	7/2 ⁻	3/2 ⁺	0.85	0.61	2085.21	0.74	2.47	2.06	0.26	1.55	13.41	0.0094	12.52	26.98	-0.84	
210	311	7/2 ⁻		0.85	0.61	2086.87	1.65	2.39	2.76	2.65	0.10	12.48	0.0082	12.55	27.28	-0.99	
211	312	7/2 ⁻	7/2 ⁻	0.85	0.60	2087.59	0.72	2.37	4.86	1.56	2.59	13.70	0.0081	12.85	27.61	-1.06	
212	313	7/2 ⁻		0.85	0.61	2088.89	1.30	2.03	3.48	3.83	0.15	13.07	0.0062	12.72	27.83	-1.01	
213	314	7/2 ⁻	11/2 ⁺	0.85	0.60	2089.50	0.61	1.92	3.54	1.28	2.74	14.34	0.0064	13.38	28.31	-1.24	
214	315	7/2 ⁻		0.85	0.59	2091.00	1.49	2.11	4.07	4.30	0.31	13.47	0.0052	13.25	28.70	-1.64	
215	316	7/2 ⁻	9/2 ⁻	0.85	0.57	2091.34	0.34	1.84	4.16	1.29	2.63	14.95	0.0041	13.66	29.16	-1.85	
216	317	7/2 ⁻		0.85	0.56	2092.61	1.26	1.61	5.71	3.28	0.71	14.07	0.0040	13.66	29.53	-2.01	
217	318	7/2 ⁻	1/2 ⁻	0.86	0.57	2093.08	0.47	1.74	4.34	3.28	3.77	15.22	0.0040	14.29	29.87	-2.60	
218	319	7/2 ⁻		0.86	0.56	2094.04	0.96	1.44	6.35	3.54	0.22	14.72	0.0030	13.99	30.20	-2.67	
219	320	7/2 ⁻	3/2 ⁻	0.87	0.55	2094.41	0.36	1.33	5.79	1.23	3.42	15.95	0.0028	14.31	30.57	-2.90	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 101 (Md)																	
220	321	7/2 ⁻		0.87	0.54	2095.47	1.06	1.43	3.09	4.20	3.30	14.99	0.0028	14.27	30.82	-3.33	
221	322	7/2 ⁻	13/2 ⁺	0.87	0.55	2095.50	0.03	1.09	4.04	2.62	3.02	16.61	0.0023	14.60	31.18	-3.37	
222	323	7/2 ⁻		0.87	0.54	2096.19	0.69	0.72	0.00	...	...	15.75	0.0020	14.68	31.53	-3.24	
223	324	7/2 ⁻	9/2 ⁻	0.87	0.54	2095.94	-0.25	0.44	...	...	...	17.12	0.0018	14.94	31.85	-3.33	
224	325	7/2 ⁻		0.87	0.54	2096.43	0.49	0.25	0.00	...	...	16.37	0.0016	14.98	32.18	-3.48	
225	326	7/2 ⁻	11/2 ⁻	0.87	0.54	2095.97	-0.47	0.03	...	...	...	17.59	0.0014	15.22	32.43	-3.58	
226	327	3/2 ⁻		0.88	0.53	2096.29	0.32	-0.14	0.00	...	...	16.89	0.0015	15.21	32.73	-3.73	
227	328	9/2 ⁺	17/2 ⁺	1.10	0.52	2092.85	-3.43	-3.11	...	...	...	20.95	0.0004	15.35	32.96	-1.03	
228	329	1/2 ⁺		1.10	0.52	2094.17	1.31	-2.12	0.00	0.00	0.00	16.35	0.0015	15.35	33.23	-2.32	
229	330	5/2 ⁺	7/2 ⁻	1.10	0.58	2093.80	-0.37	0.95	0.00	0.00	0.00	18.28	0.0013	15.62	33.50	-5.61	
230	331	5/2 ⁺		1.09	0.54	2094.18	0.38	0.01	0.00	0.00	0.00	17.48	0.0012	15.60		-4.95	
231	332	7/2 ⁺	3/2 ⁻	1.07	0.54	2093.40	-0.78	-0.40	...	...	...	18.97	0.0009	15.88		-4.80	
232	333	7/2 ⁺		1.05	0.53	2093.66	0.25	-0.52	0.00	0.00	0.00	17.89	0.0010				
233	334	7/2 ⁺	3/2 ⁻	1.03	0.52	2092.94	-0.72	-0.46	0.00	0.00	...	19.08	0.0009				
Z = 102 (No)																	
130	232			1.05	0.87	1699.73						9.02	0.0491	-0.83	-2.70	12.71	10 ^{-9.39}
131	233		5/2 ⁺	0.81	0.86	1709.20	9.47					9.76	0.1568	-0.34	-1.77	10.50	10 ^{-3.79}
132	234			0.80	0.86	1719.79	10.59	20.06				7.85	0.3079	0.05	-1.34	10.94	10 ^{-5.86}
133	235		5/2 ⁻	0.80	0.85	1728.50	8.72	19.30				9.09	0.4958	0.08	-0.92	10.77	10 ^{-4.41}
134	236			0.80	0.85	1738.82	10.32	19.04				7.06	0.6329	0.45	-0.46	10.60	10 ^{-5.08}
135	237		13/2 ⁺	0.80	0.85	1747.23	8.41	18.73				8.29	0.7922	0.56	0.00	10.49	10 ^{-3.76}
136	238			0.80	0.87	1757.21	9.98	18.38				6.43	0.7736	0.91	0.31	10.38	10 ^{-4.56}
137	239		5/2 ⁺	0.81	0.87	1765.23	8.02	18.00				7.77	0.3808	0.81	0.57	10.29	10 ^{-3.30}
138	240			0.81	0.86	1775.04	9.81	17.83				5.91	1.0017	1.26	0.92	10.15	10 ^{-4.01}
139	241		5/2 ⁻	0.81	0.84	1782.97	7.93	17.74				7.21	1.3741	1.23	1.29	9.99	10 ^{-2.55}
140	242			0.81	0.83	1792.50	9.53	17.46				5.35	1.5372	1.53	1.70	9.91	10 ^{-3.41}
141	243		1/2 ⁻	0.82	0.81	1800.17	7.68	17.20				6.61	1.9673	1.54	2.08	9.81	10 ^{-2.07}
142	244			0.81	0.80	1809.49	9.31	16.99				4.69	2.4484	1.93	2.50	9.61	10 ^{-2.60}
143	245		7/2 ⁻	0.81	0.78	1816.93	7.44	16.76				5.76	3.5138	1.97	2.90	9.46	10 ^{-1.13}
144	246			0.80	0.78	1825.81	8.88	16.32				3.98	4.2407	2.34	3.32	9.47	10 ^{-2.23}
145	247		1/2 ⁺	0.80	0.76	1832.97	7.16	16.05				5.30	4.9232	2.40	3.49	9.35	10 ^{-0.82}
146	248			0.79	0.75	1841.82	8.85	16.01				3.38	8.1364	2.77	4.18	8.97	10 ^{-0.78}
147	249		5/2 ⁺	0.79	0.74	1848.76	6.94	15.79				4.38	11.3026	2.79	4.60	9.02	10 ^{0.13}
148	250			0.79	0.73	1857.11	8.35	15.30				2.70	21.1220	3.19	5.08	8.82	10 ^{-0.32}
149	251		7/2 ⁺	0.78	0.72	1863.81	6.70	15.05				3.71	6.1954	3.22	5.50	8.65	10 ^{1.28}
150	252			0.78	0.71	1871.98	8.17	14.87				2.08	80.6124	3.67	6.03	8.35	10 ^{1.19}
151	253		9/2 ⁻	0.78	0.72	1878.42	6.43	14.60				2.94	> 100	3.57	6.30	8.19	10 ^{2.77}
152	254			0.78	0.71	1886.28	7.86	14.30				0.64	> 100	4.14	6.95	7.97	10 ^{2.49}
153	255		7/2 ⁺	0.78	0.70	1891.85	5.57	13.43				1.83	> 100	4.14	7.36	8.56	10 ^{1.54}
154	256			0.79	0.69	1899.05	7.20	12.77				0.07	> 100	4.59	7.86	8.57	10 ^{0.44}
155	257		11/2 ⁻	0.79	0.68	1904.51	5.46	12.66				0.83	> 100	4.61	8.33	8.27	10 ^{2.51}
156	258			0.81	0.69	1911.18	6.66	12.13				...	β -stable	5.05	8.80	8.31	10 ^{1.30}
157	259		9/2 ⁺	0.80	0.69	1916.64	5.47	12.13				0.51	> 100	5.11	9.30	7.84	10 ^{4.03}
158	260			0.81	0.68	1923.43	6.79	12.26				...	β -stable	5.50	9.76	7.24	10 ^{5.29}
159	261		1/2 ⁺	0.82	0.67	1928.66	5.23	12.02				...	β -stable	5.46	10.10	6.98	10 ^{7.47}
160	262			0.83	0.66	1935.38	6.72	11.95				...	β -stable	6.00	10.67	6.59	10 ^{8.18}
161	263		3/2 ⁺	0.85	0.66	1940.52	5.14	11.86				...	β -stable	6.07	11.11	6.33	10 ^{10.51}
162	264			0.85	0.67	1947.01	6.48	11.62				...	β -stable	6.46	11.54	6.00	10 ^{11.16}
163	265		13/2 ⁻	0.87	0.67	1951.67	4.66	11.15	100.00	0.00	0.00	0.40	> 100	6.49	11.93	6.04	10 ^{12.01}
164	266			0.87	0.66	1957.45	5.78	10.44				...	β -stable	6.86	12.29	6.31	10 ^{9.54}
165	267		3/2 ⁺	0.89	0.66	1961.52	4.07	9.85	100.00	0.00	0.00	1.42	> 100	6.86	12.62	6.52	10 ^{9.59}
166	268			0.89	0.66	1967.11	5.59	9.66	100.00	0.00	0.00	0.22	> 100	7.22	13.01	6.34	10 ^{9.40}
167	269		11/2 ⁺	0.91	0.64	1971.06	3.94	9.53	100.00	0.00	0.00	1.85	> 100	7.29	13.65	6.14	10 ^{11.48}
168	270			0.92	0.64	1976.27	5.22	9.16	100.00	0.00	0.00	0.81	> 100	7.60	13.56	6.13	10 ^{10.49}
169	271		3/2 ⁺	0.94	0.63	1980.36	4.09	9.31	100.00	0.00	0.00	1.94	> 100	7.62	13.89	5.33	10 ^{16.24}
170	272			0.97	0.61	1985.69	5.32	9.42	100.00	0.00	0.00	1.06	> 100	7.94	14.54	5.32	10 ^{15.24}
171	273		3/2 ⁺	1.02	0.60	1989.28	3.59	8.91	100.00	0.00	0.00	2.87	> 100	8.00	14.55	5.49	10 ^{15.21}

N	A	Ω_p^π	Ω_n^π	Δ_{LNp} (MeV)	Δ_{LNn} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 102$ (No)																	
172	274			1.02	0.59	1994.62	5.34	8.93	100.00	0.00	0.00	1.52	> 100	8.30	15.06	4.83	$10^{18.73}$
173	275		5/2 ⁺	1.04	0.59	1998.44	3.82	9.16	100.00	0.00	0.00	3.01	> 100	8.34	15.23	4.58	> 10^{20}
174	276			1.04	0.58	2003.57	5.13	8.95	100.00	0.00	0.00	1.82	> 100	8.68	15.58	4.28	> 10^{20}
175	277		1/2 ⁺	1.05	0.58	2007.31	3.74	8.87	100.00	0.00	0.00	3.23	> 100	8.70	15.91	4.20	> 10^{20}
176	278			1.05	0.59	2012.03	4.72	8.46	100.00	0.00	0.00	2.56	> 100	9.02	16.26	4.26	> 10^{20}
177	279		1/2 ⁺	1.05	0.61	2015.45	3.42	8.14	100.00	0.00	0.00	3.87	12.8600	8.89	16.34	4.24	> 10^{20}
178	280			1.07	0.61	2020.10	4.65	8.06	100.00	0.00	0.00	2.87	34.5137	9.22	16.68	3.97	> 10^{20}
179	281		1/2 ⁺	1.12	0.57	2023.24	3.14	7.79	100.00	0.00	0.00	4.39	82.1199	9.33	17.08	4.17	> 10^{20}
180	282			1.12	0.56	2027.64	4.40	7.54	100.00	0.00	0.00	3.43	> 100	9.65	17.41	4.07	> 10^{20}
181	283		3/2	1.12	0.54	2030.59	2.95	7.35	98.66	1.34	0.00	4.89	> 100	9.61	17.66	3.86	> 10^{20}
182	284			1.11	0.54	2034.64	4.05	7.00	100.00	0.00	0.00	4.10	> 100	9.99	18.04	3.89	> 10^{20}
183	285		3/2	1.09	0.58	2037.32	2.68	6.73	99.57	0.43	0.00	5.46	> 100	9.93	18.30	3.91	> 10^{20}
184	286			1.15	0.63	2040.99	3.67	6.35	85.97	14.03	0.00	4.78	> 100	10.17	18.59	3.91	> 10^{20}
185	287		1/2	1.02	0.63	2043.14	2.15	5.81	99.96	0.04	0.00	6.42	5.6165	10.94	19.04	4.18	> 10^{20}
186	288			1.00	0.63	2046.59	3.45	5.60	55.98	44.02	0.00	5.43	24.8104	10.51	19.93	4.11	> 10^{20}
187	289		3/2	0.97	0.64	2048.61	2.02	5.47	99.93	0.07	0.00	6.91	4.1226	10.50	19.68	3.78	> 10^{20}
188	290			1.14	0.74	2050.24	1.63	3.65	0.00	68.83	31.17	5.99	10.3544	8.85	18.05	4.72	$10^{19.53}$
189	291		5/2 ⁺	0.85	0.70	2054.28	4.04	5.66	25.78	47.41	26.80	5.07	9.2429	10.51	20.02	2.95	> 10^{20}
190	292			0.85	0.68	2058.06	3.79	7.82	96.11	3.89	0.00	5.63	0.2394	10.81	20.35	2.42	> 10^{20}
191	293		1/2 ⁺	0.85	0.67	2060.31	2.24	6.03	27.78	72.22	0.00	7.21	0.2105	10.83	20.69	2.25	> 10^{20}
192	294			0.84	0.67	2063.87	3.56	5.81	24.50	75.50	0.00	6.21	0.1424	11.16	21.05	2.13	> 10^{20}
193	295		7/2 ⁺	0.85	0.67	2065.93	2.07	5.63	14.55	85.11	0.33	7.70	0.1405	11.18	21.36	1.98	> 10^{20}
194	296			0.84	0.67	2069.28	3.35	5.41	17.13	82.86	0.02	6.71	0.0955	11.47	21.67	1.84	> 10^{20}
195	297		5/2 ⁻	0.84	0.66	2071.18	1.90	5.25	23.56	63.90	12.54	8.17	0.0788	11.49	22.00	1.69	> 10^{20}
196	298			0.84	0.66	2074.39	3.20	5.11	8.69	91.21	0.10	7.23	0.0635	11.81	22.34	1.52	> 10^{20}
197	299		5/2 ⁻	0.83	0.65	2076.25	1.86	5.07	20.59	45.73	33.68	8.60	0.0573	11.84	22.67	1.24	> 10^{20}
198	300			0.83	0.64	2079.35	3.10	4.96	8.05	91.57	0.39	7.60	0.0494	12.15	23.05	1.00	> 10^{20}
199	301		7/2 ⁻	0.82	0.62	2081.12	1.78	4.88	19.55	37.54	42.91	9.06	0.0353	12.18	23.38	0.75	> 10^{20}
200	302			0.82	0.61	2084.11	2.99	4.77	6.94	88.31	4.75	8.09	0.0352	12.48	23.68	0.48	> 10^{20}
201	303		9/2 ⁺	0.82	0.61	2085.71	1.60	4.59	1.29	39.05	59.65	9.58	0.0306	12.50	24.04	0.33	> 10^{20}
202	304			0.81	0.60	2088.39	2.68	4.28	1.42	62.56	36.00	8.80	0.0214	12.78	24.37	0.34	> 10^{20}
203	305		5/2 ⁺	0.81	0.60	2089.69	1.29	3.97	2.15	15.67	81.62	10.28	0.0209	12.76	24.52	0.28	> 10^{20}
204	306			0.81	0.60	2092.09	2.40	3.70	1.63	31.00	66.41	9.46	0.0162	13.06	24.82	0.23	> 10^{20}
205	307		11/2 ⁺	0.81	0.61	2092.93	0.84	3.24	1.76	4.37	56.58	10.95	0.0146	13.09	25.15	0.53	> 10^{20}
206	308			0.81	0.61	2094.97	2.04	2.88	2.35	14.61	19.78	10.07	0.0123	13.10	25.08	0.60	> 10^{20}
207	309		7/2 ⁻	0.81	0.62	2095.82	0.86	2.89	4.27	3.15	25.99	11.40	0.0114	13.08	25.54	0.25	> 10^{20}
208	310			0.81	0.62	2097.84	2.02	2.87	2.45	6.18	17.02	10.49	0.0102	13.36	25.80	0.35	> 10^{20}
209	311		9/2 ⁻	0.81	0.63	2098.56	0.73	2.74	3.63	6.39	12.44	11.84	0.0093	13.35	25.87	0.01	> 10^{20}
210	312			0.82	0.63	2100.50	1.94	2.66	2.66	2.79	10.01	10.86	0.0086	13.63	26.18	-0.17	
211	313		7/2 ⁺	0.82	0.63	2101.18	0.68	2.61	2.08	1.39	9.02	12.21	0.0085	13.59	26.44	-0.19	
212	314			0.84	0.62	2103.06	1.88	2.56	2.50	2.09	5.59	11.20	0.0071	14.17	26.89	-0.44	
213	315		3/2 ⁺	0.84	0.61	2103.69	0.63	2.51	1.51	1.16	3.62	12.38	0.0079	14.18	27.56	-0.66	
214	316			0.84	0.60	2105.51	1.82	2.45	3.09	1.20	3.93	11.42	0.0067	14.51	27.76	-1.04	
215	317		9/2 ⁻	0.85	0.58	2105.90	0.39	2.21	1.87	1.16	7.07	12.89	0.0053	14.56	28.22	-1.48	
216	318			0.85	0.57	2107.52	1.62	2.01	2.52	1.55	2.82	11.96	0.0052	14.91	28.58	-1.48	
217	319		1/2 ⁻	0.85	0.57	2107.98	0.46	2.08	4.79	1.88	3.54	13.18	0.0051	14.90	29.19	-2.00	
218	320			0.85	0.56	2109.57	1.60	2.05	3.37	1.56	2.40	12.35	0.0046	15.53	29.52	-2.33	
219	321		3/2 ⁻	0.85	0.55	2109.67	0.10	1.70	4.57	1.26	3.71	13.86	0.0037	15.27	29.58	-2.59	
220	322			0.85	0.53	2111.33	1.66	1.76	3.87	2.68	3.81	12.86	0.0037	15.86	30.13	-2.99	
221	323		13/2 ⁺	0.86	0.54	2111.15	-0.18	1.48	1.81	2.11	2.28	14.42	0.0031	15.65	30.26	-2.77	
222	324			0.85	0.53	2112.28	1.13	0.95	2.48	4.62	0.32	13.63	0.0028	16.10	30.78	-2.79	
223	325		9/2 ⁻	0.85	0.54	2112.02	-0.26	0.87	3.97	0.00	6.57	14.84	0.0026	16.08	31.02	-2.83	
224	326			0.85	0.53	2112.77	0.75	0.49	0.00	5.32	2.30	14.17	0.0023	16.34	31.31	-2.97	
225	327		11/2 ⁻	0.86	0.54	2112.39	-0.38	0.37	0.51	0.00	3.83	15.30	0.0021	16.43	31.65	-3.10	
226	328			0.86	0.53	2113.02	0.63	0.25	0.00	...	...	14.58	0.0020	16.73	31.94	-3.27	
227	329		17/2 ⁺	1.09	0.50	2109.74	-3.28	-2.65	...	...	...	18.50	0.0005	16.88	32.23	-0.70	
228	330			1.09	0.53	2111.30	1.56	-1.72	0.00	0.00	0.00	13.84	0.0018	17.13	32.47	-1.93	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 102 (No)																	
229	331		7/2 ⁻	1.09	0.57	2110.88	-0.42	1.14	0.00	0.00	0.00	15.78	0.0016	17.08	32.70	-5.08	
230	332			1.09	0.54	2111.58	0.70	0.29	0.00	0.00	0.00	14.96	0.0015	17.41	33.00	-4.47	
231	333		3/2 ⁻	1.06	0.53	2110.77	-0.82	-0.11	...	...	...	16.46	0.0011	17.36	33.24	-4.29	
232	334			1.04	0.53	2111.24	0.47	-0.34	0.00	...	...	15.47	0.0012	17.58		-4.36	
233	335		3/2 ⁻	1.03	0.52	2110.55	-0.69	-0.22	0.00	0.00	...	16.61	0.0012	17.60		-4.73	
234	336			1.02	0.52	2110.87	0.33	-0.37	0.00	0.00	0.00	15.81	0.0011				
235	337		3/2 ⁻	1.00	0.53	2110.15	-0.73	-0.40	0.00	0.00	...	16.97	0.0011				
236	338			1.00	0.52	2110.33	0.18	-0.54				16.29					
Z = 103 (Lr)																	
132	235	9/2 ⁺		0.79	0.86	1717.62						10.09	0.1274	-2.16	-2.11	11.23	10 ^{-5.45}
133	236	9/2 ⁺	5/2 ⁻	0.79	0.86	1726.72	9.10					11.32	0.1664	-1.77	-1.70	11.10	10 ^{-4.82}
134	237	9/2 ⁺		0.79	0.86	1737.09	10.37	19.47				9.36	0.1834	-1.73	-1.28	10.94	10 ^{-4.80}
135	238	9/2 ⁺	13/2 ⁺	0.80	0.85	1745.87	8.78	19.14				10.56	0.2435	-1.36	-0.80	10.85	10 ^{-4.25}
136	239	9/2 ⁺		0.79	0.86	1755.93	10.06	18.84				8.52	0.2731	-1.28	-0.37	10.74	10 ^{-4.35}
137	240	1/2 ⁻	3/2 ⁻	0.79	0.87	1764.42	8.49	18.55				9.84	0.9124	-0.81	0.00	10.54	10 ^{-3.53}
138	241	9/2 ⁺		0.79	0.87	1774.14	9.72	18.21				8.05	0.3350	-0.90	0.35	10.46	10 ^{-3.68}
139	242	9/2 ⁺	5/2 ⁻	0.80	0.86	1782.36	8.22	17.93				9.36	0.3996	-0.61	0.62	10.36	10 ^{-3.10}
140	243	9/2 ⁺		0.81	0.84	1791.90	9.54	17.76				7.49	0.4475	-0.60	0.93	10.18	10 ^{-3.00}
141	244	9/2 ⁺	1/2 ⁻	0.81	0.83	1799.97	8.07	17.61				8.73	0.5342	-0.20	1.34	10.06	10 ^{-2.35}
142	245	9/2 ⁺		0.80	0.81	1809.29	9.31	17.39				6.86	0.6185	-0.20	1.72	9.98	10 ^{-2.48}
143	246	9/2 ⁺	7/2 ⁻	0.80	0.80	1817.09	7.80	17.12				7.94	0.7831	0.16	2.12	9.84	10 ^{-1.78}
144	247	9/2 ⁺		0.80	0.79	1826.04	8.95	16.75				6.15	0.9270	0.23	2.57	9.82	10 ^{-2.06}
145	248	9/2 ⁺	1/2 ⁺	0.80	0.77	1833.57	7.53	16.49				7.46	1.0952	0.60	3.00	9.69	10 ^{-1.37}
146	249	9/2 ⁺		0.78	0.77	1842.45	8.88	16.41				5.53	1.4944	0.63	3.40	9.32	10 ^{-0.69}
147	250	9/2 ⁺	5/2 ⁺	0.78	0.75	1849.80	7.35	16.23				6.53	2.2718	1.04	3.83	9.07	10 ^{0.38}
148	251	9/2 ⁺		0.78	0.74	1858.24	8.44	15.79				4.79	3.1646	1.13	4.32	9.11	10 ^{-0.07}
149	252	9/2 ⁺	7/2 ⁺	0.77	0.73	1865.31	7.08	15.51				5.89	2.1073	1.50	4.72	8.96	10 ^{0.72}
150	253	9/2 ⁺		0.77	0.72	1873.58	8.27	15.35				4.05	8.5349	1.60	5.27	8.64	10 ^{1.38}
151	254	9/2 ⁺	9/2 ⁻	0.77	0.72	1880.40	6.82	15.09				5.10	17.9787	1.99	5.56	8.49	10 ^{2.20}
152	255	9/2 ⁺		0.76	0.72	1888.31	7.91	14.73				2.75	36.9435	2.04	6.18	8.29	10 ^{2.51}
153	256	9/2 ⁺	7/2 ⁺	0.77	0.70	1894.27	5.96	13.87				4.00	38.6044	2.42	6.56	8.87	10 ^{0.99}
154	257	9/2 ⁺		0.77	0.69	1901.56	7.29	13.25				2.17	84.1337	2.51	7.10	8.87	10 ^{0.64}
155	258	9/2 ⁺	11/2 ⁻	0.77	0.69	1907.41	5.85	13.14				2.98	> 100	2.90	7.51	8.59	10 ^{1.86}
156	259	9/2 ⁺		0.78	0.69	1914.19	6.78	12.63				1.66	> 100	3.02	8.07	8.56	10 ^{1.60}
157	260	9/2 ⁺	9/2 ⁺	0.79	0.69	1920.01	5.82	12.60				2.64	> 100	3.37	8.48	8.18	10 ^{3.23}
158	261	9/2 ⁺		0.79	0.68	1926.89	6.88	12.69				0.99	> 100	3.46	8.96	7.54	10 ^{5.28}
159	262	9/2 ⁺	1/2 ⁺	0.80	0.67	1932.48	5.59	12.47				2.12	> 100	3.82	9.28	7.34	10 ^{6.38}
160	263	9/2 ⁺		0.81	0.66	1939.28	6.80	12.39				0.46	> 100	3.90	9.90	6.94	10 ^{7.75}
161	264	9/2 ⁺	3/2 ⁺	0.82	0.66	1944.75	5.47	12.27	100.00	0.00	0.00	±	±	4.23	10.30	6.74	10 ^{9.00}
162	265	9/2 ⁺		0.83	0.67	1951.29	6.54	12.01				...	β-stable	4.28	10.74	6.39	10 ^{10.35}
163	266	9/2 ⁺	13/2 ⁻	0.83	0.67	1956.35	5.07	11.60	100.00	0.00	0.00	±	±	4.68	11.18	6.40	10 ^{10.67}
164	267	9/2 ⁺		0.84	0.66	1962.16	5.81	10.87	100.00	0.00	0.00	0.60	> 100	4.71	11.56	6.68	10 ^{8.94}
165	268	9/2 ⁺	9/2 ⁺	0.85	0.66	1966.56	4.40	10.20	100.00	0.00	0.00	2.37	> 100	5.04	11.89	6.91	10 ^{8.24}
166	269	9/2 ⁺		0.86	0.66	1972.12	5.56	9.96	100.00	0.00	0.00	1.24	> 100	5.00	12.22	6.77	10 ^{8.53}
167	270	9/2 ⁺	11/2 ⁺	0.89	0.65	1976.30	4.18	9.74	100.00	0.00	0.00	2.94	> 100	5.24	12.53	6.66	10 ^{9.38}
168	271	9/2 ⁺		0.90	0.65	1981.52	5.22	9.40	100.00	0.00	0.00	1.91	> 100	5.24	12.85	6.67	10 ^{9.01}
169	272	9/2 ⁺	3/2 ⁺	0.90	0.65	1985.97	4.45	9.67	100.00	0.00	0.00	3.01	> 100	5.60	13.23	6.09	10 ^{12.26}
170	273	9/2 ⁺		0.92	0.62	1991.37	5.40	9.85	100.00	0.00	0.00	2.09	> 100	5.68	13.62	5.60	10 ^{14.76}
171	274	9/2 ⁺	3/2 ⁺	0.98	0.59	1995.35	3.98	9.39	100.00	0.00	0.00	3.81	> 100	6.07	14.08	5.68	10 ^{14.59}
172	275	9/2 ⁺		0.98	0.58	2000.66	5.31	9.30	100.00	0.00	0.00	2.41	> 100	6.05	14.35	5.38	10 ^{16.12}
173	276	9/2 ⁺	5/2 ⁺	1.02	0.59	2004.61	3.95	9.26	100.00	0.00	0.00	4.17	> 100	6.17	14.52	4.96	10 ^{19.42}
174	277	9/2 ⁺		1.02	0.58	2009.76	5.15	9.10	100.00	0.00	0.00	3.21	> 100	6.19	14.86	4.85	10 ^{19.85}
175	278	9/2 ⁺	1/2 ⁺	1.03	0.58	2013.81	4.05	9.20	100.00	0.00	0.00	4.66	78.0285	6.50	15.20	4.58	> 10 ²⁰
176	279	9/2 ⁺		1.03	0.59	2018.54	4.73	8.78	100.00	0.00	0.00	3.98	40.7871	6.51	15.53	4.65	> 10 ²⁰
177	280	5/2 ⁻	1/2 ⁺	1.05	0.61	2022.19	3.64	8.37	100.00	0.00	0.00	5.41	21.8876	6.74	15.62	4.72	> 10 ²⁰
178	281	5/2 ⁻		1.06	0.61	2026.85	4.66	8.31	100.00	0.00	0.00	4.27	89.5511	6.75	15.97	4.45	> 10 ²⁰
179	282	5/2 ⁺	1/2 ⁺	1.11	0.57	2030.29	3.44	8.11	98.96	1.04	0.00	5.84	8.9736	7.05	16.39	4.57	> 10 ²⁰

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 103 (Lr)																	
180	283	5/2 ⁺		1.11	0.56	2034.70	4.41	7.85	38.46	61.54	0.00	4.95	9.1928	7.06	16.71	4.48	> 10 ²⁰
181	284	3/2	3/2	1.10	0.55	2037.96	3.26	7.67	13.69	86.31	0.00	6.33	8.0756	7.37	16.98	4.24	> 10 ²⁰
182	285	11/2		1.06	0.54	2042.00	4.04	7.30	0.07	99.93	0.00	5.62	8.3274	7.36	17.35	4.29	> 10 ²⁰
183	286	9/2 ⁺	1/2 ⁺	1.14	0.56	2044.99	2.99	7.03	0.10	99.90	0.00	7.04	6.0251	7.66	17.59	4.29	> 10 ²⁰
184	287	11/2		1.03	0.61	2048.77	3.79	6.77	0.05	99.95	0.00	6.25	3.8296	7.78	17.95	4.18	> 10 ²⁰
185	288	11/2	1/2	0.99	0.63	2051.24	2.47	6.26	31.21	68.79	0.00	7.80	4.2048	8.10	19.05	4.45	> 10 ²⁰
186	289	11/2		0.97	0.63	2054.74	3.49	5.96	0.04	99.96	0.00	6.72	2.2758	8.14	18.65	4.38	> 10 ²⁰
187	290	5/2 ⁺	1/2 ⁻	1.13	0.70	2055.45	0.71	4.20	29.74	1.04	69.22	9.18	1.5952	6.84	17.33	5.04	10 ^{18.80}
188	291	9/2 ⁺		1.13	0.74	2058.56	3.11	3.82	0.01	3.45	96.45	7.58	1.1948	8.32	17.17	5.82	10 ^{13.46}
189	292	9/2 ⁺	5/2 ⁺	0.84	0.70	2062.91	4.35	7.46	41.57	46.71	11.72	8.23	0.2198	8.63	19.15	3.50	> 10 ²⁰
190	293	9/2 ⁺		0.84	0.68	2066.73	3.83	8.17	3.63	96.37	0.00	6.59	0.3209	8.67	19.49	2.95	> 10 ²⁰
191	294	9/2 ⁺	1/2 ⁺	0.84	0.68	2069.29	2.56	6.39	24.35	60.42	15.23	8.19	0.2717	8.99	19.82	2.77	> 10 ²⁰
192	295	9/2 ⁺		0.84	0.67	2072.85	3.56	6.12	2.71	97.29	0.00	7.21	0.1730	8.99	20.15	2.69	> 10 ²⁰
193	296	9/2 ⁺	7/2 ⁺	0.84	0.67	2075.21	2.36	5.92	2.68	74.96	22.36	8.73	0.1720	9.28	20.46	2.56	> 10 ²⁰
194	297	9/2 ⁺		0.84	0.66	2078.57	3.36	5.72	2.17	97.14	0.69	7.74	0.1118	9.29	20.76	2.43	> 10 ²⁰
195	298	9/2 ⁺	5/2 ⁻	0.83	0.67	2080.84	2.27	5.62	5.74	53.51	40.76	9.20	0.0903	9.65	21.14	2.21	> 10 ²⁰
196	299	9/2 ⁺		0.83	0.66	2084.07	3.23	5.50	1.96	96.63	1.41	8.20	0.0757	9.68	21.49	2.04	> 10 ²⁰
197	300	9/2 ⁺	1/2 ⁻	0.82	0.66	2086.17	2.10	5.33	16.79	25.88	57.33	9.65	0.0634	9.92	21.76	1.83	> 10 ²⁰
198	301	9/2 ⁺		0.82	0.64	2089.40	3.24	5.34	1.83	72.31	25.86	8.64	0.0517	10.06	22.21	1.47	> 10 ²⁰
199	302	9/2 ⁺	7/2 ⁻	0.81	0.63	2091.42	2.01	5.25	1.64	42.96	55.39	10.07	0.0399	10.29	22.47	1.28	> 10 ²⁰
200	303	9/2 ⁺		0.81	0.61	2094.51	3.09	5.11	1.81	48.64	49.48	9.06	0.0395	10.40	22.88	0.98	> 10 ²⁰
201	304	9/2 ⁺	9/2 ⁺	0.81	0.61	2096.41	1.90	4.99	1.73	23.04	75.11	10.57	0.0337	10.69	23.20	0.83	> 10 ²⁰
202	305	1/2 ⁻		0.81	0.60	2099.19	2.78	4.67	3.70	38.51	56.26	9.66	0.0274	10.79	23.57	0.74	> 10 ²⁰
203	306	1/2 ⁻	5/2 ⁺	0.81	0.60	2100.77	1.59	4.36	3.99	5.84	87.89	11.16	0.0267	11.08	23.84	0.73	> 10 ²⁰
204	307	1/2 ⁻		0.80	0.60	2103.10	2.33	3.92	3.84	16.64	46.89	10.38	0.0196	11.01	24.07	0.81	> 10 ²⁰
205	308	9/2 ⁺	11/2 ⁺	0.80	0.60	2104.26	1.16	3.49	0.36	1.68	37.11	11.86	0.0171	11.33	24.41	0.96	> 10 ²⁰
206	309	9/2 ⁺		0.80	0.61	2106.44	2.18	3.34	4.18	3.32	22.25	10.97	0.0148	11.48	24.58	0.89	> 10 ²⁰
207	310	9/2 ⁺	7/2 ⁻	0.80	0.62	2107.55	1.10	3.29	1.37	2.03	22.16	12.34	0.0126	11.73	24.80	0.59	> 10 ²⁰
208	311	9/2 ⁺		0.80	0.62	2109.62	2.08	3.18	0.25	3.75	16.10	11.37	0.0116	11.79	25.15	0.54	> 10 ²⁰
209	312	9/2 ⁺	9/2 ⁻	0.80	0.63	2110.58	0.95	3.03	0.49	0.65	16.93	12.76	0.0092	12.01	25.36	0.46	> 10 ²⁰
210	313	9/2 ⁺		0.80	0.63	2112.60	2.02	2.98	0.31	1.86	6.79	11.78	0.0094	12.10	25.73	0.17	> 10 ²⁰
211	314	9/2 ⁺	9/2 ⁻	0.81	0.63	2113.47	0.87	2.90	0.45	0.67	10.60	13.18	0.0076	12.30	25.89	0.04	> 10 ²⁰
212	315	9/2 ⁺		0.81	0.63	2115.28	1.81	2.68	0.34	2.05	1.83	12.32	0.0069	12.22	26.39	-0.12	
213	316	9/2 ⁺	9/2 ⁻	0.83	0.62	2116.15	0.87	2.67	0.50	0.04	2.77	13.56	0.0064	12.46	26.64	-0.27	
214	317	9/2 ⁺		0.83	0.61	2118.01	1.86	2.73	0.27	1.80	1.24	12.65	0.0061	12.50	27.01	-0.82	
215	318	9/2 ⁺	9/2 ⁻	0.84	0.59	2118.69	0.69	2.55	0.14	0.28	2.53	13.89	0.0057	12.80	27.35	-0.89	
216	319	9/2 ⁺		0.84	0.58	2120.37	1.68	2.37	0.21	2.15	0.44	13.07	0.0052	12.85	27.76	-1.08	
217	320	9/2 ⁺	1/2 ⁻	0.84	0.57	2121.13	0.76	2.44	1.79	0.25	4.89	14.16	0.0055	13.16	28.06	-1.50	
218	321	9/2 ⁺		0.83	0.56	2122.75	1.62	2.38	0.03	2.95	0.21	13.33	0.0049	13.18	28.71	-1.85	
219	322	9/2 ⁺	3/2 ⁻	0.83	0.55	2123.41	0.66	2.28	1.14	0.20	5.25	14.56	0.0046	13.74	29.01	-2.04	
220	323	9/2 ⁺		0.83	0.54	2124.79	1.38	2.04	0.03	3.92	0.25	13.86	0.0039	13.46	29.33	-2.46	
221	324	9/2 ⁺	13/2 ⁺	0.83	0.54	2125.13	0.34	1.72	0.00	0.23	3.80	15.22	0.0036	13.98	29.64	-2.43	
222	325	9/2 ⁺		0.83	0.54	2126.08	0.94	1.28	0.00	2.49	1.95	14.62	0.0029	13.80	29.89	-2.32	
223	326	9/2 ⁺	9/2 ⁻	0.83	0.54	2126.16	0.08	1.03	0.00	0.00	4.74	15.81	0.0028	14.14	30.22	-2.37	
224	327	9/2 ⁺		0.83	0.53	2126.91	0.75	0.83	0.00	0.02	0.17	15.11	0.0025	14.14	30.48	-2.43	
225	328	9/2 ⁺	11/2 ⁻	0.84	0.54	2126.81	-0.09	0.66	0.00	0.00	0.49	16.25	0.0023	14.42	30.85	-2.58	
226	329	9/2 ⁺		0.84	0.54	2127.45	0.63	0.54	0.00	...	...	15.53	0.0021	14.43	31.16	-2.72	
227	330	11/2 ⁺	17/2 ⁺	1.08	0.50	2124.35	-3.10	-2.46	...	...	...	19.64	0.0006	14.62	31.50	-0.09	
228	331	1/2 ⁺		1.08	0.53	2125.88	1.52	-1.57	0.00	0.00	0.00	15.34	0.0020	14.58	31.71	-1.30	
229	332	3/2 ⁺	7/2 ⁻	1.08	0.57	2125.76	-0.12	1.41	0.00	0.00	...	17.30	0.0017	14.88	31.96	-4.61	
230	333	3/2 ⁺		1.08	0.54	2126.44	0.68	0.56	0.00	0.00	0.00	16.47	0.0016	14.86	32.26	-3.98	
231	334	9/2 ⁺	3/2 ⁻	1.05	0.53	2125.92	-0.52	0.16	...	...	...	17.93	0.0012	15.16	32.52	-3.82	
232	335	9/2 ⁺		1.03	0.53	2126.38	0.45	-0.07	0.00	...	...	16.94	0.0013	15.14	32.72	-3.90	
233	336	3/2 ⁻	3/2 ⁻	1.00	0.52	2125.90	-0.48	-0.03	...	...	...	18.10	0.0012	15.35	32.96	-4.20	
234	337	3/2 ⁻		0.99	0.52	2126.34	0.44	-0.04	...	...	...	17.23	...	15.46	...	-4.38	
235	338	3/2 ⁻	3/2 ⁻	0.99	0.53	2125.84	-0.50	-0.06	...	...	...	18.30	...	15.69	...	-4.60	
236	339	3/2 ⁻		0.99	0.52	2126.02	0.18	-0.32	...	...	...	17.61	...	15.69	...	...	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 104																	
134	238			0.80	0.83	1736.69						8.39	0.2296	-0.40	-2.13	11.39	$10^{-6.25}$
135	239		13/2 ⁺	0.81	0.82	1745.61	8.91					9.54	0.3244	-0.26	-1.62	11.19	$10^{-4.76}$
136	240			0.79	0.85	1755.92	10.31	19.22				7.72	0.3241	-0.01	-1.29	11.20	$10^{-5.85}$
137	241		3/2 ⁻	0.79	0.85	1764.43	8.51	18.82				8.93	0.4271	0.00	-0.81	11.10	$10^{-4.56}$
138	242			0.79	0.87	1774.44	10.01	18.52				7.14	0.4175	0.30	-0.60	11.07	$10^{-5.56}$
139	243		5/2 ⁻	0.80	0.86	1782.67	8.23	18.24				8.45	0.5870	0.31	-0.31	10.86	$10^{-4.03}$
140	244			0.80	0.85	1792.59	9.92	18.15				6.60	0.6234	0.69	0.09	10.75	$10^{-4.83}$
141	245		1/2 ⁻	0.81	0.83	1800.67	8.08	18.00				7.83	0.7048	0.70	0.50	10.60	$10^{-3.40}$
142	246			0.80	0.82	1810.36	9.69	17.78				5.94	0.8194	1.08	0.88	10.43	$10^{-4.07}$
143	247		7/2 ⁻	0.81	0.80	1818.18	7.81	17.51				7.08	1.0926	1.09	1.25	10.29	$10^{-2.66}$
144	248			0.80	0.79	1827.53	9.35	17.17				5.26	1.5377	1.49	1.72	10.26	$10^{-3.64}$
145	249		1/2 ⁺	0.79	0.79	1835.10	7.57	16.92				6.57	1.6183	1.52	2.12	10.13	$10^{-2.25}$
146	250			0.78	0.77	1844.36	9.26	16.83				4.66	2.2805	1.91	2.54	9.75	$10^{-2.32}$
147	251		5/2 ⁺	0.77	0.77	1851.74	7.38	16.64				5.72	3.3017	1.94	2.98	9.53	$10^{-0.65}$
148	252			0.77	0.75	1860.57	8.83	16.21				3.96	5.0835	2.33	3.46	9.54	$10^{-1.76}$
149	253		7/2 ⁺	0.76	0.74	1867.73	7.16	16.00				5.07	1.6738	2.42	3.92	9.32	$10^{-0.07}$
150	254			0.76	0.73	1876.38	8.64	15.81				3.24	14.4974	2.80	4.39	9.03	$10^{-0.27}$
151	255		9/2 ⁻	0.75	0.72	1883.38	7.00	15.64				4.16	37.6076	2.98	4.96	8.73	$10^{1.72}$
152	256			0.75	0.72	1891.53	8.15	15.15				1.96	79.1727	3.21	5.25	8.75	$10^{0.59}$
153	257		7/2 ⁺	0.75	0.71	1897.61	6.08	14.23				3.17	82.5823	3.34	5.76	9.10	$10^{0.59}$
154	258			0.75	0.69	1905.25	7.64	13.73				1.38	> 100	3.69	6.20	9.32	$10^{-1.13}$
155	259		7/2 ⁺	0.75	0.69	1911.17	5.92	13.56				2.24	> 100	3.76	6.66	8.98	$10^{0.97}$
156	260			0.76	0.70	1918.39	7.22	13.13				0.84	> 100	4.19	7.21	8.96	$10^{-0.05}$
157	261		9/2 ⁺	0.76	0.69	1924.28	5.90	13.12				1.82	> 100	4.27	7.64	8.52	$10^{2.40}$
158	262			0.77	0.68	1931.54	7.26	13.16				0.15	> 100	4.66	8.11	7.93	$10^{3.42}$
159	263		1/2 ⁺	0.77	0.67	1937.33	5.79	13.05				1.17	> 100	4.85	8.67	7.60	$10^{5.71}$
160	264			0.78	0.66	1944.40	7.07	12.86				...	β -stable	5.12	9.02	7.32	$10^{5.76}$
161	265		3/2 ⁺	0.78	0.66	1949.96	5.56	12.63				0.54	> 100	5.21	9.44	6.99	$10^{8.26}$
162	266			0.80	0.67	1956.95	6.98	12.54				...	β -stable	5.66	9.94	6.73	$10^{8.38}$
163	267		13/2 ⁻	0.81	0.67	1961.98	5.03	12.02				...	β -stable	5.63	10.31	6.84	$10^{8.94}$
164	268			0.81	0.66	1968.14	6.16	11.20				...	β -stable	5.98	10.69	7.16	$10^{6.46}$
165	269		3/2 ⁺	0.82	0.66	1972.58	4.43	10.60	100.00	0.00	0.00	0.22	> 100	6.02	11.06	7.39	$10^{6.58}$
166	270			0.83	0.66	1978.45	5.88	10.31				...	β -stable	6.34	11.34	7.29	$10^{5.90}$
167	271		11/2 ⁺	0.86	0.65	1982.65	4.19	10.07	100.00	0.00	0.00	0.81	> 100	6.35	11.59	7.17	$10^{7.47}$
168	272			0.88	0.65	1988.19	5.55	9.74				...	β -stable	6.67	11.92	7.22	$10^{6.20}$
169	273		3/2 ⁺	0.88	0.65	1992.68	4.49	10.03	100.00	0.00	0.00	0.76	> 100	6.71	12.31	6.67	$10^{9.72}$
170	274			0.91	0.62	1998.38	5.70	10.19				...	β -stable	7.01	12.69	6.19	$10^{11.11}$
171	275		3/2 ⁺	0.98	0.60	2002.29	3.90	9.61	100.00	0.00	0.00	1.72	> 100	6.93	13.01	6.37	$10^{11.20}$
172	276			0.98	0.59	2008.00	5.71	9.62	100.00	0.00	0.00	0.38	> 100	7.34	13.38	5.99	$10^{12.22}$
173	277		5/2 ⁺	1.00	0.59	2012.19	4.19	9.90	100.00	0.00	0.00	1.75	> 100	7.58	13.75	5.38	$10^{16.95}$
174	278			1.00	0.58	2017.69	5.50	9.69	100.00	0.00	0.00	0.75	> 100	7.93	14.12	5.22	$10^{16.97}$
175	279		1/2 ⁺	1.01	0.58	2021.74	4.05	9.55	100.00	0.00	0.00	2.24	> 100	7.93	14.43	4.99	$10^{19.65}$
176	280			1.01	0.59	2026.81	5.07	9.12	100.00	0.00	0.00	1.54	> 100	8.27	14.78	5.06	$10^{18.11}$
177	281		1/2 ⁺	1.03	0.61	2030.34	3.53	8.60	100.00	0.00	0.00	3.09	30.8755	8.15	14.89	5.27	$10^{17.72}$
178	282			1.04	0.61	2035.35	5.01	8.54	100.00	0.00	0.00	1.79	> 100	8.50	15.25	4.98	$10^{18.71}$
179	283		1/2 ⁺	1.10	0.57	2038.87	3.52	8.53	100.00	0.00	0.00	3.28	> 100	8.58	15.63	4.88	$> 10^{20}$
180	284			1.09	0.55	2043.51	4.64	8.15	100.00	0.00	0.00	2.52	> 100	8.81	15.86	4.89	$10^{19.37}$
181	285		3/2	1.07	0.54	2046.84	3.33	7.97	100.00	0.00	0.00	3.96	> 100	8.88	16.25	4.70	$> 10^{20}$
182	286			1.12	0.52	2051.24	4.41	7.74	100.00	0.00	0.00	3.00	> 100	9.24	16.60	4.69	$> 10^{20}$
183	287		3/2	1.05	0.57	2054.24	2.99	7.40	100.00	0.00	0.00	4.42	> 100	9.25	16.91	4.65	$> 10^{20}$
184	288			1.03	0.61	2058.26	4.02	7.02	100.00	0.00	0.00	3.72	> 100	9.49	17.27	4.67	$> 10^{20}$
185	289		1/2	0.97	0.63	2060.67	2.41	6.43	99.99	0.01	0.00	5.36	16.7317	9.43	17.53	4.95	$10^{19.96}$
186	290			1.12	0.67	2063.84	3.17	5.58	100.00	0.00	0.00	4.21	> 100	9.10	17.25	5.45	$10^{15.45}$
187	291		1/2 ⁻	1.12	0.70	2065.36	1.52	4.69	99.85	0.15	0.00	6.54	7.0639	9.91	16.75	6.08	$10^{12.77}$
188	292			0.92	0.65	2070.35	4.99	6.51	99.94	0.06	0.00	4.92	54.9304	11.79	20.11	4.54	$> 10^{20}$
189	293		5/2 ⁺	0.84	0.70	2072.54	2.19	7.18	30.16	69.84	0.00	6.32	0.4028	9.63	18.26	4.37	$> 10^{20}$
190	294			0.84	0.69	2076.70	4.16	6.35	46.59	53.41	0.00	4.43	0.9334	9.97	18.64	1.83	$> 10^{20}$

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 104$																	
191	295		1/2 ⁺	0.84	0.68	2079.28	2.58	6.74	66.89	33.11	0.00	6.04	0.7495	9.99	18.98	3.29	> 10 ²⁰
192	296			0.84	0.67	2083.16	3.87	6.45	59.35	40.65	0.00	5.06	0.4193	10.30	19.29	3.20	> 10 ²⁰
193	297		7/2 ⁺	0.84	0.67	2085.53	2.37	6.25	32.83	67.17	0.00	6.59	0.4185	10.32	19.59	3.07	> 10 ²⁰
194	298			0.83	0.67	2089.25	3.72	6.10	42.42	57.58	0.00	5.57	0.2464	10.68	19.97	2.91	> 10 ²⁰
195	299		5/2 ⁻	0.83	0.67	2091.49	2.23	5.96	50.55	49.45	0.00	7.06	0.1791	10.65	20.31	2.74	> 10 ²⁰
196	300			0.82	0.66	2095.04	3.55	5.78	29.83	70.17	0.00	6.07	0.1559	10.97	20.65	2.54	> 10 ²⁰
197	301		1/2 ⁻	0.82	0.65	2097.26	2.22	5.78	40.78	58.97	0.25	7.45	0.1284	11.10	21.02	2.21	> 10 ²⁰
198	302			0.81	0.64	2100.70	3.44	5.67	23.17	76.83	0.00	6.51	0.1010	11.30	21.36	1.98	> 10 ²⁰
199	303		1/2 ⁻	0.80	0.63	2102.78	2.08	5.52	31.54	67.59	0.87	7.94	0.0860	11.37	21.66	1.76	> 10 ²⁰
200	304			0.80	0.61	2106.20	3.41	5.49	23.52	76.45	0.03	6.88	0.0765	11.69	22.08	1.45	> 10 ²⁰
201	305		9/2 ⁺	0.80	0.61	2108.06	1.87	5.28	14.39	57.08	28.53	8.43	0.0636	11.65	22.35	1.36	> 10 ²⁰
202	306			0.80	0.60	2111.15	3.08	4.95	12.83	86.17	1.01	7.56	0.0421	11.96	22.75	1.27	> 10 ²⁰
203	307		5/2 ⁺	0.80	0.60	2112.70	1.55	4.64	1.76	42.08	56.16	9.03	0.0449	11.93	23.01	1.31	> 10 ²⁰
204	308			0.80	0.60	2115.33	2.63	4.19	1.45	68.52	30.02	8.22	0.0313	12.23	23.24	1.36	> 10 ²⁰
205	309		11/2 ⁺	0.80	0.60	2116.63	1.30	3.93	1.54	17.98	80.26	9.69	0.0294	12.37	23.70	1.35	> 10 ²⁰
206	310			0.80	0.61	2119.10	2.47	3.77	1.63	38.41	58.50	8.81	0.0232	12.66	24.14	1.28	> 10 ²⁰
207	311		5/2 ⁺	0.79	0.61	2120.21	1.11	3.58	2.13	11.37	84.48	10.15	0.0227	12.66	24.39	1.01	> 10 ²⁰
208	312			0.79	0.62	2122.56	2.35	3.45	1.78	27.74	39.26	9.25	0.0184	12.93	24.72	0.70	> 10 ²⁰
209	313		9/2 ⁻	0.79	0.62	2123.60	1.04	3.39	1.88	11.83	41.57	10.61	0.0145	13.03	25.04	0.51	> 10 ²⁰
210	314			0.79	0.63	2125.87	2.27	3.31	1.74	18.11	38.08	9.73	0.0138	13.27	25.37	0.26	> 10 ²⁰
211	315		9/2 ⁻	0.80	0.63	2126.82	0.95	3.21	1.60	3.01	39.43	11.10	0.0110	13.34	25.64	0.04	> 10 ²⁰
212	316			0.80	0.63	2128.93	2.11	3.06	1.55	8.35	21.30	10.33	0.0094	13.65	25.87	-0.13	
213	317		1/2 ⁻	0.80	0.62	2129.88	0.95	3.06	3.30	4.90	21.43	11.48	0.0102	13.73	26.19	-0.40	
214	318			0.82	0.62	2131.80	1.92	2.87	1.97	4.74	17.04	10.77	0.0074	13.79	26.29	-0.44	
215	319		3/2 ⁺	0.82	0.61	2132.66	0.86	2.78	1.88	0.34	12.79	12.03	0.0076	13.97	26.76	-0.68	
216	320			0.83	0.58	2134.51	1.85	2.71	2.18	3.75	14.94	11.26	0.0058	14.14	27.00	-0.71	
217	321		1/2 ⁻	0.82	0.58	2135.30	0.79	2.64	3.97	2.72	7.21	12.47	0.0058	14.17	27.32	-1.11	
218	322			0.82	0.56	2137.19	1.89	2.68	2.85	3.26	3.26	11.54	0.0054	14.44	27.62	-1.38	
219	323		3/2 ⁻	0.82	0.55	2137.88	0.68	2.58	2.69	4.56	5.80	12.51	0.0062	14.46	28.20	-1.61	
220	324			0.82	0.54	2139.57	1.69	2.38	4.30	2.95	4.35	11.77	0.0053	14.77	28.24	-1.70	
221	325		13/2 ⁺	0.82	0.54	2139.92	0.35	2.04	2.00	2.36	4.20	13.14	0.0048	14.78	28.76	-1.95	
222	326			0.82	0.54	2141.19	1.27	1.62	3.09	2.44	4.10	12.52	0.0039	15.11	28.90	-1.56	
223	327		9/2 ⁻	0.82	0.54	2141.24	0.05	1.32	2.70	3.09	2.47	13.75	0.0036	15.08	29.22	-1.79	
224	328			0.83	0.53	2142.29	1.05	1.10	1.32	4.78	0.80	12.98	0.0032	15.38	29.52	-1.71	
225	329		11/2 ⁻	0.83	0.54	2142.20	-0.09	0.96	0.50	1.19	4.17	14.25	0.0027	15.39	29.81	-1.88	
226	330			0.83	0.53	2143.21	1.01	0.92	0.52	5.86	0.31	13.44	0.0026	15.76	30.19	-2.14	
227	331		17/2 ⁺	1.07	0.50	2140.44	-2.77	-1.76	0.00	0.00	0.00	17.16	0.0007	16.09	30.70	0.25	> 10 ²⁰
228	332			1.06	0.53	2142.28	1.84	-0.93	0.00	0.00	0.00	12.90	0.0024	16.40	30.98	-0.96	
229	333		7/2 ⁻	1.06	0.56	2142.13	-0.15	1.69	0.00	0.00	...	14.82	0.0022	16.37	31.25	-4.10	
230	334			1.06	0.53	2143.07	0.94	0.79	0.00	0.00	0.00	14.01	0.0019	16.63	31.48	-3.47	
231	335		3/2 ⁻	1.04	0.53	2142.53	-0.54	0.40	1.01	0.00	8.52	15.45	0.0016	16.61	31.76	-3.36	
232	336			1.03	0.52	2143.22	0.69	0.15	0.00	...	...	14.51	0.0017	16.84	31.98	-3.34	
233	337		3/2 ⁻	1.00	0.52	2142.78	-0.44	0.25	...	...	...	15.61	0.0016	16.88	32.23	-3.72	
234	338			0.99	0.52	2143.36	0.58	0.14	0.00	...	...	14.88	0.0015	17.02	32.49	-3.82	
235	339		3/2 ⁻	0.97	0.53	2142.84	-0.51	0.06	...	...	...	15.97	0.0015	17.01	32.70	-4.00	
$Z = 105$																	
136	241	1/2 ⁻		0.77	0.87	1753.78						9.86	0.2312	-2.14	-2.15	11.61	10 ^{-5.66}
137	242	1/2 ⁻	3/2 ⁻	0.77	0.86	1762.71	8.93					10.94	0.3289	-1.72	-1.71	11.45	10 ^{-4.99}
138	243	1/2 ⁻		0.77	0.88	1772.75	10.04	18.97				9.13	0.3227	-1.68	-1.39	11.47	10 ^{-5.38}
139	244	1/2 ⁻	5/2 ⁻	0.79	0.87	1781.32	8.57	18.61				10.48	0.4038	-1.35	-1.04	11.40	10 ^{-4.87}
140	245	1/2 ⁻		0.79	0.86	1791.26	9.94	18.51				8.62	0.4266	-1.32	-0.63	11.17	10 ^{-4.72}
141	246	1/2 ⁻	1/2 ⁻	0.81	0.84	1799.71	8.45	18.39				9.87	0.5472	-0.96	-0.26	10.94	10 ^{-3.86}
142	247	1/2 ⁻		0.79	0.83	1809.43	9.71	18.16				7.97	0.6367	-0.94	0.14	10.77	10 ^{-3.79}
143	248	1/2 ⁻	7/2 ⁻	0.79	0.82	1817.64	8.22	17.93				9.10	0.8684	-0.53	0.56	10.62	10 ^{-3.11}
144	249	1/2 ⁻		0.78	0.81	1827.03	9.39	17.60				7.29	1.0013	-0.50	0.99	10.55	10 ^{-3.28}
145	250	1/2 ⁻	5/2 ⁺	0.78	0.80	1834.97	7.94	17.33				8.60	1.2216	-0.12	1.40	10.41	10 ^{-2.60}
146	251	1/2 ⁻		0.76	0.80	1844.27	9.30	17.24				6.69	1.7521	-0.09	1.82	10.07	10 ^{-2.07}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 105																	
147	252	1/2 ⁻	5/2 ⁺	0.76	0.78	1852.04	7.77	17.07				7.75	2.5061	0.30	2.24	9.82	10 ^{-1.08}
148	253	1/2 ⁻		0.76	0.77	1860.97	8.92	16.70				5.99	3.6918	0.40	2.73	9.78	10 ^{-1.30}
149	254	1/2 ⁻	7/2 ⁺	0.75	0.75	1868.44	7.47	16.40				7.16	1.1616	0.70	3.12	9.66	10 ^{-0.63}
150	255	1/2 ⁻		0.75	0.74	1877.22	8.78	16.25				5.38	8.8455	0.84	3.64	9.31	10 ^{0.00}
151	256	1/2 ⁻	9/2 ⁻	0.74	0.73	1884.58	7.36	16.14				6.17	22.8816	1.20	4.18	9.03	10 ^{1.18}
152	257	1/2 ⁻		0.74	0.73	1892.80	8.22	15.58				4.03	37.6501	1.27	4.48	9.08	10 ^{0.70}
153	258	1/2 ⁻	11/2 ⁻	0.74	0.71	1899.29	6.50	14.72				5.18	59.1114	1.68	5.02	9.40	10 ^{0.09}
154	259	1/2 ⁻		0.74	0.70	1907.00	7.70	14.20				3.39	91.7315	1.74	5.43	9.61	10 ^{-0.85}
155	260	1/2 ⁻	7/2 ⁺	0.74	0.69	1913.34	6.34	14.05				4.26	> 100	2.17	5.93	9.23	10 ^{0.61}
156	261	1/2 ⁻		0.75	0.70	1920.63	7.29	13.63				2.87	> 100	2.24	6.43	9.23	10 ^{0.26}
157	262	1/2 ⁻	9/2 ⁺	0.75	0.69	1926.90	6.27	13.56				3.87	68.9873	2.61	6.88	8.81	10 ^{1.88}
158	263	1/2 ⁻		0.75	0.68	1934.21	7.32	13.59				2.34	> 100	2.67	7.33	8.28	10 ^{3.32}
159	264	1/2 ⁻	1/2 ⁺	0.76	0.67	1940.37	6.15	13.47				3.25	> 100	3.04	7.89	7.94	10 ^{4.87}
160	265	1/2 ⁻		0.76	0.66	1947.61	7.24	13.40				1.57	> 100	3.21	8.33	7.57	10 ^{5.93}
161	266	1/2 ⁻	3/2 ⁺	0.77	0.66	1953.42	5.81	13.05				2.75	> 100	3.45	8.67	7.36	10 ^{7.15}
162	267	1/2 ⁻		0.77	0.68	1960.49	7.07	12.88				0.71	> 100	3.54	9.20	7.09	10 ^{7.96}
163	268	1/2 ⁻	13/2 ⁻	0.77	0.67	1965.86	5.37	12.44	100.00	0.00	0.00	±	±	3.88	9.51	7.19	10 ^{7.87}
164	269	5/2 ⁻		0.78	0.66	1972.01	6.16	11.53				...	β-stable	3.87	9.85	7.57	10 ^{5.95}
165	270	5/2 ⁻	3/2 ⁺	0.79	0.66	1976.81	4.80	10.95	100.00	0.00	0.00	±	±	4.23	10.25	7.84	10 ^{5.25}
166	271	5/2 ⁻		0.80	0.66	1982.67	5.86	10.65				...	β-stable	4.21	10.55	7.79	10 ^{5.10}
167	272	5/2 ⁻	11/2 ⁺	0.82	0.65	1987.22	4.55	10.41	100.00	0.00	0.00	±	±	4.57	10.92	7.64	10 ^{6.03}
168	273	5/2 ⁻		0.85	0.65	1992.65	5.44	9.99	100.00	0.00	0.00	0.73	> 100	4.46	11.14	7.76	10 ^{5.21}
169	274	5/2 ⁻	3/2 ⁺	0.85	0.65	1997.47	4.82	10.26	100.00	0.00	0.00	±	±	4.80	11.50	7.12	10 ^{8.15}
170	275	5/2 ⁻		0.87	0.63	2003.22	5.75	10.57	100.00	0.00	0.00	0.83	> 100	4.84	11.85	6.59	10 ^{10.26}
171	276	5/2 ⁻	3/2 ⁺	0.93	0.60	2007.60	4.38	10.13	100.00	0.00	0.00	2.47	> 100	5.32	12.25	6.66	10 ^{10.27}
172	277	5/2 ⁻		0.95	0.59	2013.16	5.56	9.94	100.00	0.00	0.00	1.16	> 100	5.16	12.50	6.50	10 ^{10.72}
173	278	9/2 ⁻	5/2 ⁺	0.98	0.59	2017.66	4.50	10.06	100.00	0.00	0.00	2.79	> 100	5.47	13.05	5.98	10 ^{13.81}
174	279	5/2 ⁻		0.98	0.58	2023.20	5.53	10.03	100.00	0.00	0.00	1.95	> 100	5.50	13.44	5.76	10 ^{14.77}
175	280	5/2 ⁻	1/2 ⁺	0.98	0.59	2027.57	4.37	9.90	100.00	0.00	0.00	3.48	> 100	5.83	13.75	5.34	10 ^{17.78}
176	281	5/2 ⁻		0.98	0.59	2032.65	5.08	9.45	100.00	0.00	0.00	2.83	> 100	5.84	14.11	5.40	10 ^{17.02}
177	282	5/2 ⁺	1/2 ⁺	1.02	0.61	2036.36	3.71	8.79	100.00	0.00	0.00	4.52	16.4004	6.02	14.18	5.75	10 ^{15.19}
178	283	5/2 ⁺		1.03	0.62	2041.37	5.01	8.72	100.00	0.00	0.00	3.22	28.5362	6.01	14.52	5.47	10 ^{16.58}
179	284	3/2 ⁺	1/2 ⁺	1.08	0.57	2045.24	3.87	8.88	100.00	0.00	0.00	4.78	49.5192	6.37	14.95	5.24	10 ^{18.47}
180	285	3/2		1.08	0.56	2050.02	4.78	8.65	100.00	0.00	0.00	3.90	52.3822	6.52	15.32	5.12	10 ^{18.94}
181	286	9/2	3/2	1.02	0.54	2053.46	3.44	8.22	45.30	54.70	0.00	5.42	> 100	6.62	15.50	5.12	10 ^{19.28}
182	287	9/2		1.03	0.54	2057.88	4.42	7.86	1.81	98.19	0.00	4.65	> 100	6.64	15.88	5.12	10 ^{19.00}
183	288	9/2	3/2	1.01	0.57	2061.20	3.32	7.74	1.46	98.54	0.00	6.05	> 100	6.96	16.21	5.05	10 ^{19.79}
184	289	9/2		1.00	0.61	2065.25	4.05	7.37	0.31	99.69	0.00	5.34	39.8429	6.99	16.48	5.05	10 ^{19.52}
185	290	7/2 ⁺	11/2 ⁻	1.09	0.66	2067.27	2.02	6.07	27.99	72.01	0.00	7.60	5.7416	6.60	16.03	6.01	10 ^{13.66}
186	291	7/2 ⁺		1.09	0.67	2071.11	3.84	5.86	0.12	99.88	0.00	5.85	11.8167	7.27	16.38	5.95	10 ^{13.64}
187	292	9/2	3/2	0.91	0.64	2074.49	3.38	7.22	99.41	0.59	0.00	7.07	33.2305	9.13	19.04	5.05	10 ^{19.83}
188	293	9/2		0.90	0.65	2078.08	3.59	6.96	0.19	99.81	0.00	6.10	20.4822	7.73	19.52	4.96	> 10 ²⁰
189	294	1/2 ⁻	15/2 ⁻	0.84	0.70	2080.35	2.28	5.86	1.23	91.04	7.73	7.67	0.4438	7.82	17.45	3.39	> 10 ²⁰
190	295	1/2 ⁻		0.83	0.70	2084.54	4.19	6.47	2.45	97.55	0.00	6.06	0.5773	7.84	17.81	2.31	> 10 ²⁰
191	296	1/2 ⁻	1/2 ⁺	0.83	0.69	2087.43	2.89	7.08	11.58	87.18	1.24	6.99	1.6753	8.15	18.14	3.77	> 10 ²⁰
192	297	1/2 ⁻		0.83	0.68	2091.33	3.90	6.79	7.59	92.41	0.00	5.93	0.9420	8.18	18.48	3.70	> 10 ²⁰
193	298	1/2 ⁻	7/2 ⁺	0.83	0.67	2094.05	2.71	6.61	7.40	92.58	0.03	7.49	0.8563	8.52	18.83	3.54	> 10 ²⁰
194	299	1/2 ⁻		0.82	0.67	2097.77	3.72	6.43	8.48	91.52	0.00	6.49	0.4457	8.51	19.20	3.38	> 10 ²⁰
195	300	1/2 ⁻	5/2 ⁻	0.82	0.67	2100.33	2.56	6.28	27.73	65.33	6.93	7.96	0.3099	8.84	19.49	3.18	> 10 ²⁰
196	301	1/2 ⁻		0.81	0.67	2103.93	3.60	6.16	7.45	92.55	0.00	6.96	0.2502	8.89	19.86	2.94	> 10 ²⁰
197	302	1/2 ⁻	7/2 ⁻	0.81	0.66	2106.44	2.51	6.11	11.27	77.96	10.77	8.39	0.1563	9.17	20.27	2.70	> 10 ²⁰
198	303	1/2 ⁻		0.80	0.64	2109.95	3.51	6.02	8.58	91.39	0.03	7.39	0.1552	9.24	20.54	2.42	> 10 ²⁰
199	304	1/2 ⁻	1/2 ⁻	0.80	0.63	2112.30	2.35	5.86	21.03	40.73	38.23	8.86	0.1209	9.51	20.88	2.16	> 10 ²⁰
200	305	1/2 ⁻		0.80	0.62	2115.71	3.41	5.76	8.44	91.27	0.29	7.87	0.0981	9.51	21.20	1.99	> 10 ²⁰
201	306	1/2 ⁻	9/2 ⁺	0.80	0.61	2117.92	2.21	5.63	7.71	44.14	48.15	9.37	0.0842	9.86	21.52	1.79	> 10 ²⁰
202	307	1/2 ⁻		0.80	0.60	2120.94	3.02	5.24	7.04	70.48	22.48	8.52	0.0513	9.80	21.76	1.86	> 10 ²⁰
203	308	1/2 ⁻	5/2 ⁺	0.80	0.61	2122.77	1.82	4.84	6.98	19.47	73.55	10.11	0.0507	10.07	22.00	1.94	> 10 ²⁰

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 105																	
204	309	1/2 ⁻		0.80	0.60	2125.53	2.77	4.59	6.47	34.67	58.68	9.16	0.0380	10.20	22.43	1.95	> 10 ²⁰
205	310	1/2 ⁻	11/2 ⁺	0.80	0.60	2127.13	1.60	4.36	6.38	6.33	86.48	10.64	0.0355	10.50	22.87	1.94	> 10 ²⁰
206	311	1/2 ⁻		0.79	0.61	2129.58	2.45	4.05	6.49	18.79	50.91	9.77	0.0267	10.48	23.14	1.81	> 10 ²⁰
207	312	1/2 ⁻	5/2 ⁺	0.79	0.61	2131.02	1.44	3.89	6.74	1.02	53.79	11.14	0.0249	10.81	23.48	1.53	> 10 ²⁰
208	313	1/2 ⁻		0.79	0.61	2133.43	2.41	3.85	6.64	13.33	22.88	10.21	0.0202	10.87	23.81	1.31	> 10 ²⁰
209	314	1/2 ⁻	5/2 ⁺	0.79	0.61	2134.82	1.39	3.80	6.94	0.75	31.74	11.54	0.0192	11.21	24.24	1.03	> 10 ²⁰
210	315	1/2 ⁻		0.79	0.61	2137.14	2.32	3.71	6.41	9.94	19.50	10.68	0.0149	11.27	24.54	0.78	> 10 ²⁰
211	316	1/2 ⁻	1/2 ⁻	0.79	0.61	2138.47	1.33	3.65	6.74	6.27	26.77	12.00	0.0135	11.65	25.00	0.40	> 10 ²⁰
212	317	1/2 ⁻		0.79	0.62	2140.57	2.10	3.43	5.51	4.32	20.68	11.24	0.0103	11.64	25.29	0.33	> 10 ²⁰
213	318	1/2 ⁻	1/2 ⁻	0.79	0.62	2141.78	1.21	3.31	5.94	4.97	16.50	12.60	0.0095	11.91	25.63	-0.01	
214	319	1/2 ⁻		0.79	0.61	2143.91	2.13	3.34	5.87	5.60	12.81	11.63	0.0086	12.11	25.90	-0.33	
215	320	1/2 ⁻	7/2 ⁺	0.78	0.58	2144.99	1.08	3.20	3.83	3.29	14.49	12.81	0.0092	12.33	26.29	-0.54	
216	321	1/2 ⁻		0.79	0.58	2146.99	2.01	3.08	4.00	4.40	8.25	11.72	0.0089	12.48	26.62	-0.69	
217	322	1/2 ⁻	1/2 ⁺	0.79	0.57	2147.95	0.96	2.96	4.09	3.56	6.96	12.95	0.0090	12.65	26.82	-0.96	
218	323	1/2 ⁻		0.81	0.57	2149.61	1.66	2.62	6.24	1.85	3.35	11.98	0.0081	12.42	26.85	-0.94	
219	324	1/2 ⁻	3/2 ⁻	0.81	0.55	2150.56	0.95	2.61	6.74	0.95	7.02	13.45	0.0066	12.68	27.14	-1.13	
220	325	1/2 ⁻		0.81	0.54	2152.28	1.72	2.67	6.37	2.30	4.43	12.76	0.0055	12.71	27.48	-1.23	
221	326	1/2 ⁻	13/2 ⁺	0.81	0.54	2152.92	0.65	2.37	3.53	3.24	6.39	13.98	0.0053	13.01	27.79	-1.22	
222	327	1/2 ⁻		0.81	0.54	2154.21	1.28	1.93	3.72	4.26	1.49	13.35	0.0043	13.02	28.13	-1.12	
223	328	1/2 ⁻	9/2 ⁻	0.81	0.54	2154.49	0.28	1.57	2.95	4.06	3.72	14.51	0.0042	13.25	28.33	-1.06	
224	329	1/2 ⁻		0.81	0.54	2155.67	1.18	1.46	3.27	4.72	1.39	13.81	0.0036	13.38	28.76	-1.29	
225	330	1/2 ⁻	11/2 ⁻	0.81	0.54	2155.87	0.20	1.38	0.35	2.99	4.19	15.01	0.0032	13.67	29.05	-1.41	
226	331	1/2 ⁻		0.81	0.53	2156.82	0.95	1.16	0.68	5.28	2.16	14.26	0.0030	13.61	29.37	-1.62	
227	332	13/2 ⁺	17/2 ⁺	1.04	0.50	2154.39	-2.43	-1.47	0.00	0.00	...	15.19	0.0036	13.95	30.04	0.72	> 10 ²⁰
228	333	11/2 ⁺		1.04	0.54	2156.16	1.77	-0.66	0.00	0.00	0.00	14.34	0.0025	13.88	30.28	-0.42	
229	334	1/2 ⁺	7/2 ⁻	1.04	0.56	2156.29	0.13	1.90	...	...	...	16.34	0.0020	14.16	30.53	-3.64	
230	335	1/2 ⁺		1.03	0.53	2157.20	0.91	1.04	0.00	0.28	0.00	15.50	0.0021	14.14	30.76	-3.03	
231	336	11/2 ⁺	3/2 ⁻	1.01	0.53	2156.95	-0.26	0.65	0.00	0.00	5.60	16.94	0.0016	14.41	31.02	-2.89	
232	337	3/2 ⁻		0.99	0.53	2157.60	0.66	0.40	0.00	...	...	16.09	0.0016	14.39	31.23	-2.87	
233	338	9/2 ⁺	3/2 ⁻	0.98	0.52	2157.45	-0.15	0.51				17.02		14.67	31.56	-3.23	
234	339	9/2 ⁺		0.97	0.52	2158.03	0.58	0.43				16.20		14.67	31.69	-3.36	
Z = 106																	
138	244			0.77	0.86	1772.50						8.03	0.2235	-0.25	-1.93	11.71	10 ^{-6.36}
139	245		5/2 ⁻	0.79	0.87	1780.90	8.40					9.58	0.2326	-0.42	-1.76	11.82	10 ^{-5.53}
140	246			0.79	0.86	1791.19	10.28	18.68				7.74	0.2669	-0.08	-1.40	11.55	10 ^{-6.01}
141	247		1/2 ⁻	0.79	0.85	1799.69	8.50	18.78				8.96	0.3107	-0.03	-0.98	11.27	10 ^{-4.36}
142	248			0.79	0.84	1809.75	10.06	18.56				7.11	0.3519	0.32	-0.61	11.13	10 ^{-5.11}
143	249		7/2 ⁻	0.79	0.82	1817.97	8.23	18.29				8.27	0.4597	0.33	-0.20	10.99	10 ^{-3.72}
144	250			0.78	0.82	1827.75	9.78	18.00				6.44	0.5408	0.73	0.23	10.90	10 ^{-4.59}
145	251		5/2 ⁺	0.78	0.80	1835.72	7.97	17.75				7.76	0.6503	0.75	0.63	10.75	10 ^{-3.15}
146	252			0.75	0.81	1845.42	9.69	17.66				5.84	0.9450	1.15	1.06	10.41	10 ^{-3.38}
147	253		5/2 ⁺	0.75	0.79	1853.23	7.82	17.51				6.95	1.3352	1.19	1.50	10.16	10 ^{-1.69}
148	254			0.75	0.78	1862.54	9.30	17.12				5.12	1.9164	1.57	1.97	10.12	10 ^{-2.65}
149	255		5/2 ⁺	0.74	0.75	1870.15	7.61	16.92				6.28	2.6143	1.72	2.42	9.88	10 ^{-0.96}
150	256			0.74	0.74	1879.34	9.19	16.80				4.45	4.4037	2.12	2.96	9.53	10 ^{-1.04}
151	257		9/2 ⁻	0.73	0.73	1886.63	7.29	16.48				5.39	8.2549	2.05	3.25	9.40	10 ^{0.38}
152	258			0.73	0.73	1895.22	8.59	15.88				3.29	11.6324	2.42	3.69	9.45	10 ^{-0.83}
153	259		11/2 ⁻	0.73	0.71	1901.89	6.67	15.26				4.32	19.0727	2.60	4.28	9.78	10 ^{-0.69}
154	260			0.74	0.70	1909.90	8.01	14.68				2.66	22.0456	2.90	4.64	9.93	10 ^{-2.15}
155	261		7/2 ⁺	0.74	0.69	1916.27	6.37	14.38				3.58	31.5621	2.93	5.10	9.64	10 ^{-0.29}
156	262			0.73	0.70	1923.94	7.67	14.05				2.17	49.2711	3.31	5.56	9.61	10 ^{-1.26}
157	263		9/2 ⁺	0.73	0.70	1930.27	6.33	14.00				3.16	17.4682	3.38	5.99	9.19	10 ^{1.00}
158	264			0.73	0.69	1937.98	7.71	14.04				1.61	> 100	3.76	6.43	8.70	10 ^{1.47}
159	265		1/2 ⁺	0.74	0.67	1944.20	6.23	13.93				2.62	> 100	3.84	6.87	8.38	10 ^{3.64}
160	266			0.74	0.66	1951.82	7.61	13.84				0.82	> 100	4.21	7.41	8.02	10 ^{3.83}
161	267		3/2 ⁺	0.74	0.66	1957.78	5.96	13.57				1.93	> 100	4.36	7.81	7.85	10 ^{5.54}
162	268			0.74	0.68	1965.11	7.33	13.29				...	β -stable	4.62	8.16	7.59	10 ^{5.49}

N	A	Ω_{p}^{π}	Ω_{n}^{π}	Δ_{LNp} (MeV)	Δ_{LNn} (MeV)	E_{bind} (MeV)	$S_{1\text{n}}$ (MeV)	$S_{2\text{n}}$ (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_{β} (MeV)	T_{β} (s)	$S_{1\text{p}}$ (MeV)	$S_{2\text{p}}$ (MeV)	Q_{α} (MeV)	T_{α} (s)
$Z = 106$																	
163	269		13/2 ⁻	0.75	0.67	1970.53	5.42	12.76				0.70	> 100	4.67	8.55	7.73	10 ^{6.01}
164	270			0.75	0.66	1977.08	6.55	11.97				...	β -stable	5.07	8.94	8.16	10 ^{3.33}
165	271		3/2 ⁺	0.76	0.66	1981.87	4.79	11.34				0.01	> 100	5.06	9.30	8.40	10 ^{3.55}
166	272			0.76	0.66	1988.05	6.18	10.97				...	β -stable	5.39	9.60	8.39	10 ^{2.54}
167	273		3/2 ⁺	0.79	0.65	1992.60	4.55	10.73				...	β -stable	5.39	9.96	8.27	10 ^{4.01}
168	274			0.82	0.65	1998.44	5.84	10.39				...	β -stable	5.79	10.25	8.31	10 ^{2.80}
169	275		3/2 ⁺	0.82	0.65	2003.27	4.83	10.67				...	β -stable	5.80	10.60	7.67	10 ^{6.26}
170	276			0.87	0.63	2009.29	6.01	10.85				...	β -stable	6.07	10.90	7.20	10 ^{7.13}
171	277		3/2 ⁺	0.94	0.61	2013.54	4.25	10.27	100.00	0.00	0.00	0.67	> 100	5.94	11.25	7.43	10 ^{7.20}
172	278			0.94	0.60	2019.67	6.13	10.38				...	β -stable	6.51	11.67	7.01	10 ^{7.97}
173	279		5/2 ⁺	0.94	0.59	2024.36	4.70	10.83	100.00	0.00	0.00	0.50	> 100	6.70	12.17	6.22	10 ^{12.94}
174	280			0.95	0.59	2030.27	5.90	10.60				...	β -stable	7.07	12.57	6.03	10 ^{12.92}
175	281		1/2 ⁺	0.95	0.59	2034.70	4.44	10.34	100.00	0.00	0.00	1.09	> 100	7.14	12.96	5.78	10 ^{15.42}
176	282			0.95	0.60	2040.10	5.39	9.83	100.00	0.00	0.00	0.47	> 100	7.45	13.29	5.89	10 ^{13.71}
177	283		1/2 ⁺	1.01	0.61	2043.81	3.71	9.10	100.00	0.00	0.00	2.15	> 100	7.45	13.47	6.23	10 ^{12.88}
178	284			1.02	0.61	2049.24	5.43	9.14	100.00	0.00	0.00	0.95	> 100	7.87	13.89	5.87	10 ^{13.86}
179	285		1/2 ⁺	1.05	0.57	2053.14	3.90	9.33	100.00	0.00	0.00	2.23	> 100	7.90	14.27	5.50	10 ^{17.21}
180	286			1.06	0.55	2058.10	4.97	8.86	100.00	0.00	0.00	1.53	> 100	8.08	14.60	5.54	10 ^{15.84}
181	287		3/2	1.04	0.53	2061.75	3.65	8.61	100.00	0.00	0.00	2.84	> 100	8.29	14.91	5.41	10 ^{17.75}
182	288			1.06	0.52	2066.47	4.72	8.36	100.00	0.00	0.00	2.10	> 100	8.59	15.22	5.34	10 ^{17.22}
183	289		1/2 ⁺	1.07	0.56	2069.81	3.34	8.06	100.00	0.00	0.00	3.50	> 100	8.61	15.57	5.33	10 ^{18.35}
184	290			1.07	0.61	2074.09	4.28	7.63	100.00	0.00	0.00	2.86	> 100	8.84	15.83	5.45	10 ^{16.46}
185	291		11/2 ⁻	1.07	0.66	2076.18	2.09	6.37	99.99	0.01	0.00	5.07	31.7691	8.91	15.51	6.35	10 ^{12.22}
186	292			0.92	0.63	2080.78	4.60	6.69	100.00	0.00	0.00	3.34	> 100	9.67	16.94	5.78	10 ^{14.39}
187	293		3/2	0.90	0.64	2083.40	2.62	7.22	100.00	0.00	0.00	4.83	54.7469	8.91	18.04	5.57	10 ^{16.75}
188	294			0.88	0.66	2087.24	3.85	6.46	100.00	0.00	0.00	3.89	> 100	9.16	16.89	4.89	> 10 ²⁰
189	295		5/2	0.87	0.67	2089.82	2.58	6.43	99.98	0.02	0.00	5.15	31.1231	9.47	17.28	3.83	> 10 ²⁰
190	296			0.83	0.70	2093.64	3.81	6.40	83.77	16.23	0.00	4.21	0.6922	9.10	16.93	5.01	10 ^{19.55}
191	297		1/2 ⁺	0.84	0.68	2096.49	2.85	6.66	75.80	24.20	0.00	4.87	3.3293	9.05	17.20	4.35	> 10 ²⁰
192	298			0.83	0.68	2100.75	4.26	7.11	98.59	1.41	0.00	3.83	1.9555	9.42	17.59	4.25	> 10 ²⁰
193	299		7/2 ⁺	0.83	0.67	2103.48	2.73	6.99	88.60	11.40	0.00	5.36	1.8139	9.43	17.95	4.10	> 10 ²⁰
194	300			0.82	0.68	2107.50	4.03	6.75	86.14	13.86	0.00	4.37	0.8335	9.73	18.25	3.95	> 10 ²⁰
195	301		5/2 ⁻	0.82	0.68	2110.11	2.61	6.63	85.11	14.89	0.00	5.79	0.5425	9.78	18.62	3.72	> 10 ²⁰
196	302			0.81	0.67	2114.04	3.93	6.54	66.05	33.95	0.00	4.79	0.4832	10.11	19.00	3.51	> 10 ²⁰
197	303		7/2 ⁻	0.81	0.66	2116.55	2.51	6.44	75.45	24.55	0.00	6.21	0.2521	10.12	19.29	3.23	> 10 ²⁰
198	304			0.80	0.65	2120.38	3.83	6.34	59.78	40.22	0.00	5.21	0.2727	10.43	19.67	2.95	> 10 ²⁰
199	305		1/2 ⁻	0.80	0.63	2122.79	2.41	6.24	58.37	41.63	0.00	6.66	0.2104	10.50	20.01	2.76	> 10 ²⁰
200	306			0.80	0.61	2126.51	3.72	6.13	49.60	50.40	0.00	5.65	0.1719	10.80	20.32	2.49	> 10 ²⁰
201	307		9/2 ⁺	0.80	0.61	2128.69	2.17	5.89	27.37	72.62	0.01	7.18	0.1453	10.76	20.62	2.39	> 10 ²⁰
202	308			0.80	0.60	2132.09	3.41	5.58	37.55	62.45	0.00	6.30	0.0861	11.15	20.95	2.40	> 10 ²⁰
203	309		5/2 ⁺	0.80	0.60	2133.91	1.82	5.22	18.97	80.56	0.47	7.88	0.0857	11.14	21.21	2.45	> 10 ²⁰
204	310			0.80	0.60	2136.99	3.08	4.89	15.69	84.22	0.09	6.90	0.0635	11.45	21.65	2.45	> 10 ²⁰
205	311		7/2 ⁻	0.80	0.60	2138.57	1.58	4.66	14.41	38.44	47.15	8.41	0.0505	11.44	21.94	2.42	> 10 ²⁰
206	312			0.80	0.61	2141.38	2.81	4.39	3.93	95.41	0.66	7.52	0.0447	11.79	22.27	2.25	> 10 ²⁰
207	313		5/2 ⁺	0.79	0.61	2142.86	1.48	4.29	4.41	32.14	63.39	8.86	0.0434	11.84	22.65	2.07	> 10 ²⁰
208	314			0.79	0.61	2145.58	2.72	4.20	6.75	56.13	37.04	7.95	0.0339	12.15	23.02	1.82	> 10 ²⁰
209	315		1/2 ⁻	0.78	0.60	2147.03	1.46	4.18	13.32	22.15	64.19	9.25	0.0305	12.22	23.43	1.47	> 10 ²⁰
210	316			0.78	0.59	2149.69	2.65	4.11	9.14	36.63	53.90	8.38	0.0257	12.55	23.82	1.17	> 10 ²⁰
211	317		3/2 ⁻	0.79	0.59	2151.03	1.35	4.00	12.62	18.65	67.89	9.71	0.0219	12.56	24.21	0.87	> 10 ²⁰
212	318			0.78	0.57	2153.60	2.57	3.91	7.05	33.33	58.95	8.86	0.0186	13.03	24.67	0.57	> 10 ²⁰
213	319		5/2 ⁺	0.78	0.57	2154.75	1.16	3.72	0.95	18.42	79.42	10.24	0.0168	12.97	24.88	0.36	> 10 ²⁰
214	320			0.78	0.56	2157.01	2.26	3.42	2.27	31.20	61.66	9.44	0.0131	13.10	25.22	0.21	> 10 ²⁰
215	321		7/2 ⁺	0.78	0.57	2157.93	0.92	3.18	0.63	13.17	30.48	10.75	0.0135	12.95	25.27	0.24	> 10 ²⁰
216	322			0.78	0.57	2160.11	2.18	3.10	0.70	17.96	20.25	9.70	0.0130	13.12	25.60	-0.02	
217	323		13/2 ⁺	0.78	0.57	2160.81	0.70	2.88	0.46	9.85	20.65	11.19	0.0109	12.86	25.51	0.14	> 10 ²⁰
218	324			0.78	0.56	2163.23	2.42	3.11	0.54	13.63	16.10	9.76	0.0137	13.62	26.03	-0.42	
219	325		3/2 ⁺	0.79	0.55	2164.26	1.03	3.44	1.29	0.71	21.91	10.85	0.0142	13.70	26.38	-0.66	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 106																	
220	326			0.80	0.54	2166.12	1.87	2.90	2.28	8.80	16.59	10.51	0.0086	13.85	26.55	-0.63	
221	327		13/2 ⁺	0.80	0.54	2166.77	0.65	2.52	1.58	4.09	15.48	11.76	0.0083	13.85	26.86	-0.60	
222	328			0.80	0.54	2168.22	1.44	2.09	3.32	5.23	10.00	11.27	0.0060	14.01	27.03	-0.35	
223	329		9/2 ⁻	0.80	0.54	2168.69	0.47	1.92	4.15	1.84	5.64	12.33	0.0062	14.20	27.45	-0.48	
224	330			0.80	0.53	2170.09	1.40	1.88	2.84	2.61	4.14	11.66	0.0053	14.43	27.81	-0.61	
225	331		11/2 ⁻	0.80	0.54	2170.30	0.21	1.61	2.69	1.46	2.32	12.93	0.0043	14.43	28.10	-0.77	
226	332			1.01	0.51	2168.81	-1.50	-1.29	0.01	0.79	0.04	14.97	0.0007	11.98	25.60	1.78	> 10 ²⁰
227	333		17/2 ⁺	1.01	0.50	2169.72	0.91	-0.58	0.00	0.00	...	12.86	0.0048	15.32	29.27	0.78	> 10 ²⁰
228	334			1.01	0.54	2171.85	2.14	3.05	0.00	0.00	...	11.92	0.0034	15.69	29.58	-0.35	
229	335		5/2 ⁻	1.01	0.56	2171.92	0.06	2.20	...	...	...	14.01	0.0027	15.62	29.79	-3.18	
230	336			1.01	0.53	2173.10	1.18	1.25	0.87	4.88	1.06	13.15	0.0026	15.90	30.03	-2.53	
231	337		3/2 ⁻	1.01	0.53	2172.91	-0.19	0.99	0.71	7.88	6.93	14.50	0.0022	15.97	30.38	-2.49	
232	338			0.98	0.52	2173.69	0.78	0.59	0.00	4.95	0.00	13.80	0.0020	16.08	30.47	-2.33	
233	339		3/2 ⁻	0.96	0.52	2173.45	-0.24	0.54				14.73		15.99	30.67	-2.62	
Z = 107																	
140	247	5/2 ⁻		0.76	0.88	1789.31						9.59	0.2181	-1.88	-1.95	11.74	10 ^{-5.36}
141	248	5/2 ⁻	1/2 ⁻	0.80	0.86	1797.93	8.62					11.03	0.2459	-1.75	-1.78	11.68	10 ^{-4.91}
142	249	5/2 ⁻		0.79	0.86	1808.05	10.11	18.74				9.15	0.2889	-1.70	-1.38	11.51	10 ^{-4.89}
143	250	5/2 ⁻	7/2 ⁻	0.79	0.84	1816.63	8.58	18.70				10.34	0.3755	-1.35	-1.01	11.38	10 ^{-4.25}
144	251	5/2 ⁻		0.76	0.85	1826.59	9.97	18.55				8.35	0.4658	-1.16	-0.43	11.13	10 ^{-4.03}
145	252	5/2 ⁻	1/2 ⁺	0.76	0.83	1834.96	8.36	18.33				9.68	0.6043	-0.76	-0.01	10.98	10 ^{-3.35}
146	253	5/2 ⁻		0.75	0.82	1844.56	9.60	17.96				7.90	0.7364	-0.86	0.29	10.77	10 ^{-3.19}
147	254	5/2 ⁻	5/2 ⁺	0.76	0.80	1852.72	8.17	17.76				9.03	1.0255	-0.51	0.68	10.55	10 ^{-2.30}
148	255	5/2 ⁻		0.75	0.79	1862.15	9.42	17.59				7.22	1.4972	-0.39	1.18	10.42	10 ^{-2.33}
149	256	5/2 ⁻	5/2 ⁺	0.75	0.76	1870.05	7.90	17.33				8.51	1.7602	-0.10	1.61	10.29	10 ^{-1.66}
150	257	5/2 ⁻		0.74	0.75	1879.26	9.21	17.11				6.59	3.0570	-0.08	2.04	10.01	10 ^{-1.26}
151	258	5/2 ⁻	9/2 ⁻	0.74	0.74	1886.93	7.68	16.89				7.50	5.4412	0.31	2.36	9.80	10 ^{-0.36}
152	259	5/2 ⁻		0.74	0.73	1895.64	8.71	16.39				5.46	6.8739	0.42	2.85	9.87	10 ^{-0.90}
153	260	5/2 ⁻	11/2 ⁻	0.74	0.72	1902.61	6.96	15.67				6.51	10.2206	0.72	3.31	10.27	10 ^{-1.60}
154	261	5/2 ⁻		0.74	0.70	1910.76	8.16	15.12				4.72	13.3457	0.87	3.77	10.33	10 ^{-2.10}
155	262	5/2 ⁻	7/2 ⁺	0.74	0.69	1917.54	6.77	14.93				5.62	18.9551	1.27	4.20	10.05	10 ^{-1.04}
156	263	5/2 ⁻		0.73	0.69	1925.39	7.85	14.62				4.10	29.8886	1.44	4.76	9.91	10 ^{-0.99}
157	264	5/2 ⁻	9/2 ⁺	0.73	0.70	1931.99	6.61	14.46				5.20	10.9886	1.72	5.10	9.64	10 ^{0.09}
158	265	5/2 ⁻		0.73	0.69	1939.77	7.78	14.39				3.65	78.6199	1.80	5.56	9.15	10 ^{1.18}
159	266	5/2 ⁻	1/2 ⁺	0.73	0.67	1946.37	6.60	14.38				4.66	> 100	2.17	6.01	8.82	10 ^{2.58}
160	267	5/2 ⁻		0.72	0.66	1954.04	7.67	14.27				2.95	> 100	2.22	6.43	8.47	10 ^{3.39}
161	268	5/2 ⁻	3/2 ⁺	0.72	0.66	1960.38	6.34	14.01				3.94	> 100	2.61	6.96	8.28	10 ^{4.38}
162	269	5/2 ⁻		0.72	0.68	1967.78	7.40	13.74				1.97	> 100	2.67	7.29	8.13	10 ^{4.60}
163	270	1/2 ⁻	13/2 ⁻	0.73	0.68	1973.53	5.76	13.15				2.76	> 100	3.00	7.68	8.18	10 ^{4.76}
164	271	1/2 ⁻		0.73	0.67	1980.13	6.59	12.35				0.96	> 100	3.05	8.11	8.66	10 ^{2.76}
165	272	1/2 ⁻	3/2 ⁺	0.74	0.66	1985.27	5.14	11.74				2.00	> 100	3.40	8.46	8.88	10 ^{2.36}
166	273	1/2 ⁻		0.74	0.66	1991.48	6.21	11.35				0.34	> 100	3.42	8.81	8.83	10 ^{2.19}
167	274	1/2 ⁻	3/2 ⁺	0.76	0.66	1996.40	4.92	11.13	100.00	0.00	0.00	±	±	3.79	9.18	8.71	10 ^{2.93}
168	275	11/2 ⁺		0.79	0.66	2002.15	5.76	10.68				0.34	> 100	3.71	9.50	8.81	10 ^{2.26}
169	276	11/2 ⁺	3/2 ⁺	0.80	0.65	2007.31	5.15	10.91	100.00	0.00	0.00	±	±	4.03	9.83	8.21	10 ^{4.66}
170	277	11/2 ⁺		0.82	0.64	2013.43	6.12	11.28				...	β-stable	4.14	10.21	7.52	10 ^{6.95}
171	278	5/2 ⁻	3/2 ⁺	0.89	0.61	2017.93	4.50	10.62	100.00	0.00	0.00	±	±	4.39	10.32	7.84	10 ^{6.02}
172	279	5/2 ⁻		0.91	0.60	2024.09	6.16	10.66	100.00	0.00	0.00	0.17	> 100	4.42	10.92	7.43	10 ^{7.32}
173	280	5/2 ⁻	5/2 ⁺	0.90	0.59	2029.11	5.02	11.18	100.00	0.00	0.00	±	±	4.74	11.44	6.79	10 ^{10.52}
174	281	11/2 ⁺		0.90	0.59	2035.01	5.90	10.92	100.00	0.00	0.00	0.87	> 100	4.74	11.81	6.45	10 ^{11.87}
175	282	11/2 ⁺	1/2 ⁺	0.92	0.59	2039.79	4.78	10.68	100.00	0.00	0.00	2.28	> 100	5.09	12.22	6.17	10 ^{13.72}
176	283	11/2 ⁺		0.91	0.60	2045.17	5.38	10.17	100.00	0.00	0.00	1.71	> 100	5.08	12.52	6.32	10 ^{12.56}
177	284	11/2 ⁺	5/2 ⁺	0.93	0.60	2049.41	4.24	9.62	100.00	0.00	0.00	3.25	> 100	5.61	13.05	6.45	10 ^{12.22}
178	285	3/2 ⁺		1.00	0.61	2054.58	5.17	9.41	100.00	0.00	0.00	2.37	74.0734	5.34	13.22	6.36	10 ^{12.33}
179	286	5/2 ⁻	1/2 ⁺	1.02	0.57	2058.86	4.27	9.44	100.00	0.00	0.00	3.58	> 100	5.72	13.61	5.80	10 ^{15.85}
180	287	7/2		1.02	0.55	2063.80	4.95	9.22	100.00	0.00	0.00	2.98	> 100	5.70	13.78	5.86	10 ^{15.15}
181	288	7/2	3/2	1.00	0.53	2067.78	3.98	8.93	100.00	0.00	0.00	4.33	> 100	6.03	14.32	5.76	10 ^{16.13}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 107$																	
182	289	7/2 ⁻		1.04	0.52	2072.53	4.75	8.73	100.00	0.00	0.00	3.60	> 100	6.06	14.65	5.79	10 ^{15.59}
183	290	7/2 ⁻	1/2 ⁺	1.03	0.56	2076.17	3.64	8.39	100.00	0.00	0.00	4.93	> 100	6.36	14.97	5.59	10 ^{17.17}
184	291	7/2 ⁻		1.03	0.61	2080.46	4.30	7.93	61.60	38.40	0.00	4.28	> 100	6.37	15.21	5.71	10 ^{16.06}
185	292	7/2	1/2	0.92	0.63	2083.34	2.87	7.17	99.99	0.01	0.00	6.00	> 100	7.16	16.07	6.16	10 ^{13.78}
186	293	7/2		0.90	0.63	2087.44	4.10	6.98	13.10	86.90	0.00	4.56	> 100	6.66	16.33	6.11	10 ^{13.74}
187	294	7/2	3/2	0.88	0.65	2090.34	2.90	7.01	99.97	0.03	0.00	6.02	> 100	6.95	15.86	5.22	10 ^{19.65}
188	295	7/2		0.87	0.66	2094.19	3.85	6.75	9.22	90.78	0.00	4.97	> 100	6.95	16.12	5.22	10 ^{19.35}
189	296	7/2	5/2	0.86	0.67	2097.07	2.87	6.72	99.66	0.34	0.00	6.21	> 100	7.25	16.72	5.72	10 ^{16.37}
190	297	5/2 ⁻		0.83	0.71	2100.57	3.50	6.38	30.80	69.20	0.00	5.51	0.8493	6.93	16.03	5.80	10 ^{15.51}
191	298	5/2 ⁻	1/2 ⁺	0.84	0.69	2103.79	3.22	6.72	22.14	77.86	0.00	4.80	> 100	7.31	16.36	4.86	> 10 ²⁰
192	299	5/2 ⁻		0.83	0.69	2108.05	4.26	7.48	99.06	0.94	0.00	4.82	4.8352	7.30	16.72	4.79	> 10 ²⁰
193	300	5/2 ⁻	7/2 ⁺	0.83	0.68	2111.09	3.04	7.30	65.28	34.72	0.00	6.28	5.2640	7.62	17.05	4.64	> 10 ²⁰
194	301	5/2 ⁻		0.82	0.68	2115.11	4.02	7.07	43.62	56.38	0.00	5.30	2.0198	7.61	17.35	4.51	> 10 ²⁰
195	302	5/2 ⁻	5/2 ⁻	0.81	0.68	2118.05	2.93	6.96	70.85	29.15	0.00	6.75	0.9466	7.94	17.72	4.29	> 10 ²⁰
196	303	5/2 ⁻		0.81	0.68	2121.98	3.93	6.86	36.98	63.02	0.00	5.76	0.8750	7.94	18.05	4.09	> 10 ²⁰
197	304	5/2 ⁻	7/2 ⁻	0.80	0.67	2124.81	2.83	6.76	53.95	46.05	0.00	7.17	0.4256	8.26	18.37	3.81	> 10 ²⁰
198	305	5/2 ⁻		0.80	0.65	2128.68	3.87	6.70	29.07	70.93	0.00	6.14	0.5075	8.30	18.73	3.55	> 10 ²⁰
199	306	5/2 ⁻	1/2 ⁻	0.80	0.64	2131.38	2.71	6.57	43.61	56.39	0.00	7.57	0.3706	8.59	19.08	3.35	> 10 ²⁰
200	307	5/2 ⁻		0.80	0.62	2135.09	3.70	6.41	13.31	86.69	0.00	6.58	0.2926	8.57	19.38	3.15	> 10 ²⁰
201	308	5/2 ⁻	9/2 ⁺	0.80	0.61	2137.61	2.52	6.22	9.38	83.44	7.18	8.05	0.2585	8.92	19.68	2.99	> 10 ²⁰
202	309	5/2 ⁻		0.80	0.60	2141.00	3.40	5.92	2.75	97.24	0.01	7.16	0.1451	8.91	20.06	3.00	> 10 ²⁰
203	310	5/2 ⁻	11/2 ⁺	0.80	0.60	2143.11	2.10	5.50	2.82	54.45	42.73	8.75	0.1441	9.20	20.34	3.11	> 10 ²⁰
204	311	5/2 ⁻		0.79	0.60	2146.19	3.09	5.19	2.96	86.98	10.06	7.78	0.1000	9.21	20.66	3.05	> 10 ²⁰
205	312	5/2 ⁻	7/2 ⁻	0.79	0.60	2148.11	1.92	5.00	11.90	29.25	58.85	9.24	0.0742	9.54	20.98	2.95	> 10 ²⁰
206	313	5/2 ⁻		0.79	0.61	2150.93	2.82	4.74	2.77	47.61	49.61	8.34	0.0664	9.56	21.35	2.89	> 10 ²⁰
207	314	5/2 ⁻	9/2 ⁻	0.79	0.61	2152.75	1.81	4.64	3.12	27.29	69.53	9.65	0.0456	9.89	21.73	2.68	> 10 ²⁰
208	315	5/2 ⁻		0.78	0.60	2155.50	2.75	4.57	3.53	39.45	56.68	8.73	0.0469	9.92	22.07	2.38	> 10 ²⁰
209	316	5/2 ⁻	1/2 ⁻	0.78	0.60	2157.28	1.78	4.53	15.62	15.51	68.42	10.00	0.0411	10.24	22.46	2.04	> 10 ²⁰
210	317	5/2 ⁻		0.78	0.59	2159.96	2.68	4.47	3.74	40.39	55.29	9.12	0.0345	10.28	22.82	1.76	> 10 ²⁰
211	318	5/2 ⁻	3/2 ⁻	0.78	0.57	2161.68	1.72	4.40	14.10	17.22	60.42	10.40	0.0294	10.65	23.21	1.43	> 10 ²⁰
212	319	5/2 ⁻		0.78	0.57	2164.21	2.53	4.25	3.01	31.17	56.61	9.59	0.0249	10.61	23.64	1.22	> 10 ²⁰
213	320	5/2 ⁻	5/2 ⁺	0.78	0.56	2165.68	1.46	4.00	2.31	13.98	57.19	10.94	0.0223	10.92	23.89	1.09	> 10 ²⁰
214	321	5/2 ⁻		0.78	0.56	2167.90	2.22	3.68	2.30	21.19	25.00	10.21	0.0166	10.88	23.99	0.97	> 10 ²⁰
215	322	5/2 ⁻	13/2 ⁺	0.78	0.57	2169.03	1.14	3.36	2.52	4.32	37.02	11.56	0.0158	11.10	24.05	1.04	> 10 ²⁰
216	323	5/2 ⁻		0.78	0.57	2171.22	2.18	3.32	2.32	14.59	15.29	10.52	0.0156	11.10	24.23	0.99	> 10 ²⁰
217	324	5/2 ⁻	13/2 ⁺	0.78	0.57	2172.20	0.98	3.17	2.43	0.00	20.96	11.76	0.0158	11.39	24.25	1.08	> 10 ²⁰
218	325	5/2 ⁻		0.78	0.57	2174.32	2.12	3.11	2.11	9.30	6.79	10.84	0.0143	11.10	24.72	0.96	> 10 ²⁰
219	326	5/2 ⁻	3/2 ⁺	0.78	0.56	2175.85	1.53	3.65	1.31	0.72	11.43	11.65	0.0183	11.59	25.29	0.40	> 10 ²⁰
220	327	5/2 ⁻		0.79	0.55	2177.75	1.90	3.43	1.09	7.48	9.98	11.33	0.0104	11.63	25.47	0.16	> 10 ²⁰
221	328	5/2 ⁻	13/2 ⁺	0.79	0.54	2178.71	0.96	2.86	0.00	...	...	9.53	0.2138	11.94	25.79	0.14	> 10 ²⁰
222	329	5/2 ⁻		0.79	0.54	2180.24	1.53	2.49	0.00	0.00	...	8.82	0.1461	12.03	26.04	0.33	> 10 ²⁰
223	330	5/2 ⁻	9/2 ⁻	0.79	0.54	2180.97	0.73	2.26	...	...	...	10.36	0.0852	12.28	26.48	0.25	> 10 ²⁰
224	331	5/2 ⁻		0.78	0.54	2182.45	1.48	2.21	3.32	12.21	10.07	9.84	0.0557	12.36	26.78	0.05	> 10 ²⁰
225	332	5/2 ⁻	11/2 ⁻	0.78	0.53	2182.99	0.54	2.03	4.95	4.28	24.28	13.56	0.0057	12.69	27.12	-0.21	
226	333	1/2 ⁻		0.98	0.51	2181.79	-1.20	-0.66	0.00	...	...	12.83	0.0039	12.99	24.97	2.17	> 10 ²⁰
227	334	1/2 ⁻	17/2 ⁺	0.98	0.50	2182.99	1.20	0.00	...	...	...	14.17	0.0054	13.27	28.60	1.17	> 10 ²⁰
228	335	3/2 ⁻		0.98	0.54	2185.14	2.15	3.35	0.14	...	...	13.22	0.0038	13.29	28.98	-0.03	
229	336	3/2 ⁻	3/2 ⁻	0.98	0.56	2185.47	0.32	2.47	1.85	8.63	2.01	15.34	0.0030	13.55	29.17	-2.78	
230	337	7/2 ⁻		0.97	0.53	2186.63	1.17	1.49	0.47	0.64	4.89	14.50	0.0028	13.53	29.43	-2.17	
231	338	1/2 ⁻	3/2 ⁻	0.97	0.53	2186.70	0.07	1.24	1.15	0.00	9.69	15.83	0.0024	13.79	29.76	-2.11	
232	339	11/2 ⁺		0.95	0.52	2187.39	0.69	0.76	0.00	0.01	0.00	15.20	0.0020	13.70	29.79	-1.89	
$Z = 108$																	
142	250			0.79	0.86	1807.53						8.32	0.1725	-0.52	-2.22	11.96	10 ^{-6.31}
143	251		7/2 ⁻	0.80	0.83	1816.11	8.59					9.70	0.2031	-0.52	-1.86	11.87	10 ^{-5.07}
144	252			0.78	0.84	1826.33	10.22	18.81				7.85	0.2427	-0.26	-1.42	11.71	10 ^{-5.80}
145	253		5/2 ⁺	0.78	0.83	1834.71	8.38	18.60				9.06	0.3089	-0.25	-1.01	11.56	10 ^{-4.40}
146	254			0.75	0.82	1844.80	10.09	18.47				7.14	0.4127	0.25	-0.62	11.25	10 ^{-4.78}

N	A	Ω_p^π	Ω_n^π	Δ_{LNp} (MeV)	Δ_{LNn} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 108$																	
147	255		5/2 ⁺	0.76	0.80	1853.00	8.19	18.28				8.37	0.5305	0.27	-0.24	11.02	10 ^{-3.20}
148	256			0.75	0.79	1862.75	9.76	17.95				6.51	0.7037	0.61	0.21	10.96	10 ^{-4.12}
149	257		1/2 ⁺	0.75	0.77	1870.68	7.93	17.68				7.80	0.8474	0.63	0.52	10.85	10 ^{-2.79}
150	258			0.75	0.75	1880.25	9.58	17.50				5.90	1.4209	1.00	0.92	10.58	10 ^{-3.20}
151	259		9/2 ⁻	0.75	0.74	1887.94	7.69	17.27				6.92	1.7032	1.01	1.32	10.50	10 ^{-1.94}
152	260			0.74	0.74	1896.99	9.05	16.74				4.83	2.1757	1.35	1.77	10.64	10 ^{-3.34}
153	261		11/2 ⁻	0.74	0.72	1904.08	7.09	16.14				5.90	3.0676	1.48	2.19	10.84	10 ^{-2.76}
154	262			0.74	0.71	1912.64	8.56	15.65				4.11	3.7435	1.88	2.74	10.88	10 ^{-3.91}
155	263		7/2 ⁺	0.73	0.70	1919.47	6.83	15.39				5.13	5.1197	1.94	3.20	10.71	10 ^{-2.45}
156	264			0.73	0.71	1927.62	8.14	14.98				3.60	6.8836	2.23	3.67	10.57	10 ^{-3.18}
157	265		9/2 ⁺	0.72	0.70	1934.40	6.78	14.92				4.59	2.9670	2.40	4.13	10.17	10 ^{-1.07}
158	266			0.72	0.69	1942.55	8.15	14.93				3.04	16.3347	2.78	4.57	9.69	10 ^{-0.83}
159	267		1/2 ⁺	0.72	0.67	1949.22	6.67	14.82				4.04	38.1274	2.85	5.02	9.35	10 ^{1.24}
160	268			0.72	0.66	1957.28	8.05	14.73				2.32	67.0223	3.23	5.46	9.00	10 ^{1.24}
161	269		3/2 ⁺	0.72	0.67	1963.66	6.38	14.44				3.34	> 100	3.28	5.88	8.84	10 ^{2.80}
162	270			0.72	0.68	1971.42	7.76	14.14				1.33	> 100	3.64	6.31	8.69	10 ^{2.23}
163	271		13/2 ⁻	0.72	0.68	1977.25	5.83	13.59				2.09	> 100	3.71	6.72	8.82	10 ^{2.87}
164	272			0.72	0.67	1984.20	6.95	12.78				0.28	> 100	4.08	7.12	9.20	10 ^{0.61}
165	273		3/2 ⁺	0.73	0.66	1989.40	5.20	12.15				1.29	> 100	4.13	7.53	9.42	10 ^{1.00}
166	274			0.73	0.66	1995.91	6.51	11.71				...	β -stable	4.44	7.86	9.46	10 ^{-0.18}
167	275		3/2 ⁺	0.75	0.66	2000.78	4.86	11.37				0.60	> 100	4.38	8.17	9.39	10 ^{1.09}
168	276			0.76	0.66	2007.03	6.25	11.11				...	β -stable	4.88	8.59	9.32	10 ^{0.24}
169	277		3/2 ⁺	0.79	0.65	2012.16	5.13	11.38				0.49	> 100	4.85	8.88	8.74	10 ^{3.13}
170	278			0.86	0.63	2018.21	6.05	11.18				...	β -stable	4.78	8.92	8.53	10 ^{2.78}
171	279		3/2 ⁺	0.86	0.61	2023.47	5.27	11.32				...	β -stable	5.55	9.94	8.10	10 ^{5.39}
172	280			0.87	0.60	2030.02	6.55	11.82				...	β -stable	5.94	10.35	7.56	10 ^{6.43}
173	281		5/2 ⁺	0.87	0.59	2035.09	5.07	11.62				...	β -stable	5.99	10.73	6.74	10 ^{11.16}
174	282			0.87	0.59	2041.29	6.20	11.27				...	β -stable	6.28	11.02	6.68	10 ^{10.41}
175	283		1/2 ⁺	0.89	0.59	2046.10	4.81	11.00				...	β -stable	6.31	11.39	6.56	10 ^{12.04}
176	284			0.89	0.60	2051.88	5.78	10.59				...	β -stable	6.71	11.78	6.68	10 ^{10.38}
177	285		5/2 ⁺	0.90	0.58	2056.17	4.29	10.07	100.00	0.00	0.00	0.74	> 100	6.76	12.36	6.83	10 ^{10.74}
178	286			0.96	0.60	2061.65	5.48	9.77				...	β -stable	7.07	12.41	6.74	10 ^{10.09}
179	287		1/2 ⁺	0.99	0.57	2066.00	4.35	9.83	100.00	0.00	0.00	1.14	> 100	7.14	12.86	6.10	10 ^{14.51}
180	288			1.00	0.55	2071.32	5.32	9.67	100.00	0.00	0.00	0.56	> 100	7.52	13.22	6.21	10 ^{12.84}
181	289		3/2 ⁺	1.00	0.53	2075.34	4.02	9.34	100.00	0.00	0.00	1.85	> 100	7.56	13.59	6.09	10 ^{14.57}
182	290			0.99	0.52	2080.31	4.97	8.99	100.00	0.00	0.00	1.21	> 100	7.79	13.85	6.08	10 ^{13.55}
183	291		1/2 ⁺	0.99	0.56	2083.96	3.64	8.61	100.00	0.00	0.00	2.56	> 100	7.79	14.15	6.09	10 ^{14.59}
184	292			0.99	0.61	2088.56	4.60	8.24	100.00	0.00	0.00	1.91	> 100	8.09	14.47	6.20	10 ^{12.89}
185	293		1/2	0.91	0.64	2091.22	2.66	7.27	100.00	0.00	0.00	3.86	> 100	7.89	15.04	6.88	10 ^{10.48}
186	294			0.90	0.64	2095.58	4.36	7.02	100.00	0.00	0.00	2.42	> 100	8.14	14.80	6.81	10 ^{9.78}
187	295		3/2	0.87	0.65	2098.38	2.80	7.16	100.00	0.00	0.00	3.99	> 100	8.04	14.99	6.09	10 ^{14.57}
188	296			0.86	0.67	2102.50	4.11	6.92	100.00	0.00	0.00	2.89	> 100	8.30	15.26	6.58	10 ^{10.90}
189	297		5/2	0.85	0.68	2105.30	2.80	6.91	100.00	0.00	0.00	4.19	> 100	8.23	15.48	6.39	10 ^{12.92}
190	298			0.98	0.81	2107.80	2.51	5.31	100.00	0.00	0.00	3.50	> 100	7.24	14.17	7.73	10 ^{5.73}
191	299		1/2 ⁺	0.85	0.68	2112.08	4.28	6.79	100.00	0.00	0.00	4.50	3.5718	8.29	15.60	6.03	10 ^{14.91}
192	300			0.85	0.68	2116.59	4.51	8.79	100.00	0.00	0.00	2.99	5.3263	8.55	15.85	5.34	10 ^{18.24}
193	301		7/2 ⁺	0.85	0.67	2119.63	3.04	7.55	100.00	0.00	0.00	4.26	8.6630	8.54	16.16	5.15	> 10 ²⁰
194	302			0.84	0.67	2124.02	4.39	7.43	100.00	0.00	0.00	3.20	4.2591	8.91	16.52	5.03	> 10 ²⁰
195	303		5/2 ⁻	0.83	0.67	2126.95	2.93	7.32	99.97	0.03	0.00	4.66	1.7020	8.90	16.84	4.82	> 10 ²⁰
196	304			0.82	0.66	2131.19	4.24	7.17	99.69	0.31	0.00	3.65	2.1588	9.22	17.15	4.60	> 10 ²⁰
197	305		7/2 ⁻	0.81	0.66	2134.03	2.84	7.08	99.20	0.80	0.00	5.05	0.8169	9.22	17.48	4.38	> 10 ²⁰
198	306			0.81	0.65	2138.17	4.14	6.98	92.94	7.06	0.00	4.00	1.1873	9.50	17.79	4.16	> 10 ²⁰
199	307		1/2 ⁻	0.81	0.63	2140.89	2.72	6.86	90.62	9.38	0.00	5.45	0.7158	9.51	18.09	3.96	> 10 ²⁰
200	308			0.80	0.62	2144.87	3.98	6.70	78.29	21.72	0.00	4.47	0.6411	9.79	18.36	3.80	> 10 ²⁰
201	309		9/2 ⁺	0.80	0.61	2147.39	2.51	6.50	68.86	31.14	0.00	5.89	0.5944	9.78	18.70	3.70	> 10 ²⁰
202	310			0.80	0.60	2151.08	3.69	6.20	66.05	33.95	0.00	5.10	0.2640	10.07	18.98	3.73	> 10 ²⁰
203	311		11/2 ⁺	0.80	0.60	2153.19	2.12	5.81	38.35	61.65	0.00	6.56	0.3098	10.09	19.28	3.79	> 10 ²⁰

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 108$																	
204	312			0.79	0.60	2156.57	3.38	5.49	35.27	64.73	0.00	5.59	0.2127	10.38	19.58	3.82	$> 10^{20}$
205	313		$7/2^-$	0.79	0.60	2158.49	1.92	5.30	41.61	58.34	0.05	7.05	0.1482	10.38	19.92	3.71	$> 10^{20}$
206	314			0.79	0.61	2161.61	3.12	5.04	21.77	78.22	0.01	6.17	0.1265	10.68	20.24	3.67	$> 10^{20}$
207	315		$9/2^-$	0.78	0.61	2163.45	1.84	4.96	33.26	53.82	12.92	7.49	0.0807	10.70	20.59	3.41	$> 10^{20}$
208	316			0.78	0.60	2166.50	3.05	4.88	23.22	76.65	0.13	6.59	0.0801	11.00	20.92	3.17	$> 10^{20}$
209	317		$1/2^-$	0.78	0.60	2168.30	1.81	4.85	35.31	31.23	33.46	7.86	0.0708	11.02	21.27	2.85	$> 10^{20}$
210	318			0.78	0.59	2171.30	3.00	4.80	24.79	74.92	0.29	6.99	0.0572	11.34	21.62	2.57	$> 10^{20}$
211	319		$3/2^-$	0.78	0.58	2173.02	1.71	4.71	26.87	30.88	42.26	8.28	0.0479	11.34	21.99	2.31	$> 10^{20}$
212	320			0.78	0.55	2175.83	2.82	4.53	28.32	64.55	7.13	7.48	0.0379	11.62	22.24	2.15	$> 10^{20}$
213	321		$5/2^+$	0.78	0.57	2177.33	1.49	4.31	14.23	34.03	51.72	8.82	0.0350	11.65	22.57	2.00	$> 10^{20}$
214	322			0.78	0.56	2179.81	2.49	3.98	14.99	40.08	44.82	8.09	0.0263	11.92	22.80	2.08	$> 10^{20}$
215	323		$13/2^+$	0.78	0.57	2180.96	1.14	3.63	4.42	26.29	68.69	9.42	0.0251	11.92	23.02	2.10	$> 10^{20}$
216	324			0.78	0.57	2183.18	2.22	3.36	5.57	33.04	53.28	8.63	0.0205	11.96	23.06	2.13	$> 10^{20}$
217	325		$13/2^+$	0.78	0.57	2184.38	1.21	3.43	3.33	18.10	46.32	9.85	0.0206	12.18	23.57	1.85	$> 10^{20}$
218	326			0.77	0.57	2186.72	2.34	3.55	3.57	26.92	57.36	9.01	0.0174	12.40	23.50	1.69	$> 10^{20}$
219	327		$3/2^+$	0.78	0.57	2188.30	1.58	3.92	1.53	10.99	53.84	9.75	0.0248	12.45	24.04	0.81	$> 10^{20}$
220	328			0.86	0.62	2187.46	-0.84	0.74	0.00	...	...	9.54	0.0122	9.71	21.33	4.07	$> 10^{20}$
221	329		$15/2^+$	0.87	0.62	2188.28	0.82	-0.02	...	...	...	10.88	0.0122	9.57	21.50	4.28	$> 10^{20}$
222	330			0.87	0.61	2190.54	2.27	3.09	5.34	...	...	9.69	0.0124	10.30	22.33	3.88	$> 10^{20}$
223	331		$1/2^-$	0.87	0.61	2191.51	0.96	3.23	14.40	0.35	3.80	11.01	0.0109	10.54	22.81	3.56	$> 10^{20}$
224	332			0.78	0.54	2195.78	4.27	5.23	15.25	12.62	18.92	7.94	0.0805	13.33	25.68	0.74	$> 10^{20}$
225	333		$13/2^-$	0.93	0.58	2193.84	-1.93	2.34	0.38	0.64	8.74	12.01	0.0052	10.85	23.54	3.15	$> 10^{20}$
226	334			0.94	0.51	2196.38	2.53	0.60	0.05	1.08	0.02	10.53	0.0051	14.58	27.57	2.01	$> 10^{20}$
227	335		$17/2^+$	0.94	0.50	2197.58	1.21	3.74	0.06	0.09	1.14	11.91	0.0071	14.60	27.87	1.01	$> 10^{20}$
228	336			0.94	0.55	2200.03	2.44	3.65	1.67	0.77	0.04	10.96	0.0048	14.88	28.17	-2.92	
229	337		$7/2^-$	0.94	0.57	2200.35	0.32	2.77	2.62	1.23	0.70	13.10	0.0038	14.89	28.43	-2.34	
230	338			0.94	0.53	2201.75	1.40	1.73				12.27		15.12	28.65	-1.60	
231	339		$5/2^-$	0.94	0.53	2201.81	0.06	1.46				13.60		15.11	28.90	-1.60	
$Z = 109$ (Mt)																	
144	253	$11/2^+$		0.77	0.86	1824.12						9.81	0.1221	-2.21	-2.48	12.23	$10^{-5.81}$
145	254	$11/2^+$	$5/2^+$	0.77	0.85	1832.87	8.75					11.15	0.1384	-1.85	-2.09	12.06	$10^{-5.13}$
146	255	$11/2^+$		0.77	0.84	1842.87	10.00	18.75				9.34	0.1582	-1.93	-1.69	12.02	$10^{-5.40}$
147	256	$11/2^+$	$5/2^+$	0.77	0.82	1851.39	8.52	18.52				10.58	0.1800	-1.61	-1.33	11.87	$10^{-4.73}$
148	257	$11/2^+$		0.77	0.80	1861.31	9.93	18.44				8.58	0.2323	-1.44	-0.83	11.54	$10^{-4.36}$
149	258	$11/2^+$	$1/2^+$	0.76	0.79	1869.59	8.27	18.20				9.88	0.2463	-1.09	-0.46	11.43	$10^{-3.79}$
150	259	$11/2^+$		0.76	0.77	1879.20	9.61	17.89				7.96	0.3106	-1.05	-0.05	11.24	$10^{-3.69}$
151	260	$11/2^+$	$9/2^-$	0.76	0.75	1887.24	8.04	17.66				8.97	0.3840	-0.70	0.31	11.10	$10^{-3.03}$
152	261	$11/2^+$		0.76	0.74	1896.33	9.09	17.13				6.97	0.4417	-0.67	0.69	11.22	$10^{-3.66}$
153	262	$11/2^+$	$11/2^-$	0.75	0.74	1903.61	7.28	16.37				8.25	0.5421	-0.47	1.00	11.62	$10^{-4.20}$
154	263	$11/2^+$		0.75	0.74	1912.27	8.66	15.94				6.43	0.6561	-0.37	1.50	11.67	$10^{-4.66}$
155	264	$11/2^+$	$7/2^+$	0.75	0.72	1919.54	7.27	15.93				7.29	1.0357	0.07	2.00	11.36	$10^{-3.63}$
156	265	$11/2^+$		0.74	0.72	1927.92	8.37	15.65				5.70	1.2439	0.30	2.53	11.15	$10^{-3.48}$
157	266	$11/2^+$	$9/2^+$	0.74	0.71	1935.05	7.14	15.51				6.71	0.9036	0.66	3.06	10.78	$10^{-2.27}$
158	267	$11/2^+$		0.74	0.70	1943.19	8.13	15.27				5.25	2.6430	0.64	3.41	10.49	$10^{-1.90}$
159	268	$11/2^+$	$1/2^+$	0.73	0.69	1950.25	7.06	15.19				6.24	5.6323	1.03	3.87	10.04	$10^{-0.37}$
160	269	$11/2^+$		0.74	0.67	1958.45	8.20	15.26				4.43	7.2365	1.17	4.41	9.62	$10^{0.46}$
161	270	$11/2^+$	$3/2^+$	0.73	0.67	1965.14	6.70	14.89				5.49	19.1827	1.48	4.76	9.53	$10^{1.08}$
162	271	$11/2^+$		0.73	0.68	1973.04	7.90	14.59				3.43	39.3429	1.62	5.26	9.30	$10^{1.43}$
163	272	$11/2^+$	$13/2^-$	0.73	0.68	1979.25	6.21	14.11				4.17	> 100	2.00	5.72	9.43	$10^{1.38}$
164	273	$11/2^+$		0.73	0.67	1986.25	7.00	13.21				2.37	> 100	2.05	6.13	9.82	$10^{-0.10}$
165	274	$11/2^+$	$3/2^+$	0.73	0.67	1991.77	5.52	12.52				3.36	> 100	2.37	6.50	10.06	$10^{-0.41}$
166	275	$11/2^+$		0.73	0.67	1998.36	6.59	12.11				1.63	> 100	2.45	6.88	10.06	$10^{-0.77}$
167	276	$11/2^+$	$5/2^+$	0.73	0.67	2003.64	5.28	11.87				2.61	> 100	2.87	7.24	9.93	$10^{-0.05}$
168	277	$1/2^-$		0.76	0.66	2009.92	6.28	11.56				1.45	> 100	2.89	7.77	9.85	$10^{-0.19}$
169	278	$9/2^-$	$3/2^+$	0.78	0.65	2015.32	5.40	11.68				2.10	> 100	3.16	8.01	9.37	$10^{1.54}$
170	279	$11/2^+$		0.81	0.63	2021.52	6.20	11.60				1.17	> 100	3.31	8.09	8.93	$10^{2.58}$
171	280	$11/2^+$	$3/2^+$	0.83	0.61	2027.15	5.63	11.83				2.09	> 100	3.68	9.23	8.45	$10^{4.55}$

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 109 (Mt)																	
172	281	11/2 ⁺		0.82	0.60	2033.64	6.49	12.12				0.67	> 100	3.62	9.56	8.08	10 ^{5.53}
173	282	11/2 ⁺	5/2 ⁺	0.83	0.59	2039.01	5.36	11.85	100.00	0.00	0.00	±	±	3.91	9.90	7.22	10 ^{9.41}
174	283	9/2 ⁻		0.83	0.59	2045.29	6.29	11.65				0.02	> 100	4.00	10.28	7.09	10 ^{9.65}
175	284	9/2 ⁻	1/2 ⁺	0.83	0.60	2050.40	5.10	11.39	100.00	0.00	0.00	±	±	4.30	10.61	7.01	10 ^{10.37}
176	285	9/2 ⁻		0.85	0.62	2056.13	5.73	10.84	100.00	0.00	0.00	0.53	> 100	4.25	10.95	7.18	10 ^{9.26}
177	286	9/2 ⁻	5/2 ⁺	0.86	0.58	2060.72	4.59	10.32	100.00	0.00	0.00	±	±	4.55	11.31	7.37	10 ^{8.75}
178	287	1/2 ⁺		0.92	0.60	2066.36	5.64	10.23	100.00	0.00	0.00	0.98	> 100	4.71	11.77	7.11	10 ^{9.55}
179	288	5/2 ⁻	1/2 ⁺	0.95	0.57	2071.10	4.74	10.38	100.00	0.00	0.00	2.50	> 100	5.10	12.24	6.61	10 ^{12.29}
180	289	1/2 ⁻		0.95	0.54	2076.41	5.31	10.05	100.00	0.00	0.00	1.89	> 100	5.08	12.60	6.47	10 ^{12.65}
181	290	1/2 ⁻	3/2 ⁺	0.95	0.53	2080.75	4.34	9.65	100.00	0.00	0.00	3.19	> 100	5.40	12.96	6.41	10 ^{13.35}
182	291	1/2 ⁻		0.95	0.52	2085.73	4.99	9.33	100.00	0.00	0.00	2.55	> 100	5.42	13.20	6.36	10 ^{13.24}
183	292	1/2 ⁻	1/2 ⁺	0.94	0.56	2089.68	3.95	8.94	100.00	0.00	0.00	3.89	> 100	5.73	13.51	6.39	10 ^{13.42}
184	293	1/2 ⁻		0.94	0.61	2094.30	4.61	8.56	100.00	0.00	0.00	3.23	> 100	5.74	13.83	6.53	10 ^{12.37}
185	294	5/2	1/2	0.88	0.64	2097.22	2.92	7.54	100.00	0.00	0.00	5.23	> 100	6.00	13.88	7.24	10 ^{9.29}
186	295	5/2		0.88	0.65	2101.59	4.37	7.29	88.39	11.61	0.00	3.65	> 100	6.01	14.15	7.17	10 ^{9.27}
187	296	5/2	3/2	0.85	0.66	2104.61	3.02	7.39	100.00	0.00	0.00	5.40	> 100	6.22	14.26	7.03	10 ^{10.28}
188	297	5/2		0.85	0.68	2108.71	4.10	7.12	45.43	54.57	0.00	4.04	> 100	6.21	14.51	7.03	10 ^{9.92}
189	298	1/2 ⁻	3/2 ⁻	0.94	0.78	2110.52	1.81	5.91	99.54	0.46	0.00	6.40	> 100	5.22	13.45	8.12	10 ^{5.74}
190	299	5/2		0.83	0.70	2115.80	5.28	7.09	34.76	65.24	0.00	4.23	> 100	7.99	15.23	6.69	10 ^{11.55}
191	300	5/2	7/2	0.83	0.70	2118.81	3.01	8.28	100.00	0.00	0.00	4.84	> 100	6.72	15.01	6.56	10 ^{12.56}
192	301	5/2 ⁻		0.85	0.67	2123.11	4.30	7.31	97.88	2.12	0.00	4.13	13.8130	6.51	15.06	5.76	10 ^{16.75}
193	302	5/2 ⁻	7/2 ⁺	0.86	0.67	2126.44	3.33	7.63	96.44	3.56	0.00	5.06	63.3144	6.81	15.35	5.65	10 ^{17.78}
194	303	5/2 ⁻		0.85	0.66	2130.83	4.39	7.72	98.10	1.90	0.00	4.24	11.9967	6.81	15.71	5.52	10 ^{18.31}
195	304	1/2 ⁺	5/2 ⁻	0.84	0.66	2134.06	3.23	7.62	97.83	2.17	0.00	5.63	3.4770	7.11	16.01	5.33	10 ^{19.95}
196	305	1/2 ⁺		0.82	0.66	2138.29	4.23	7.47	82.12	17.88	0.00	4.61	5.5633	7.10	16.32	5.11	> 10 ²⁰
197	306	1/2 ⁺	7/2 ⁻	0.83	0.65	2141.39	3.10	7.33	77.92	22.08	0.00	6.04	1.5778	7.36	16.58	4.95	> 10 ²⁰
198	307	1/2 ⁺		0.81	0.64	2145.56	4.17	7.26	61.06	38.94	0.00	5.00	2.4661	7.39	16.88	4.72	> 10 ²⁰
199	308	1/2 ⁺	1/2 ⁻	0.81	0.63	2148.56	3.00	7.17	78.45	21.55	0.00	6.42	1.3052	7.67	17.18	4.54	> 10 ²⁰
200	309	1/2 ⁺		0.81	0.62	2152.50	3.94	6.94	50.25	49.75	0.00	5.53	1.1418	7.62	17.41	4.47	> 10 ²⁰
201	310	1/2 ⁺	9/2 ⁺	0.81	0.60	2155.40	2.89	6.83	55.13	44.87	0.00	6.91	1.0333	8.01	17.79	4.28	> 10 ²⁰
202	311	1/2 ⁺		0.81	0.60	2158.97	3.58	6.47	19.23	80.77	0.00	6.14	0.4580	7.90	17.97	4.41	> 10 ²⁰
203	312	11/2 ⁺	11/2 ⁺	0.80	0.61	2161.38	2.40	5.99	23.79	75.86	0.35	7.61	0.3492	8.19	18.27	4.52	> 10 ²⁰
204	313	11/2 ⁺		0.79	0.61	2164.76	3.38	5.79	18.08	81.92	0.00	6.65	0.2311	8.19	18.57	4.54	> 10 ²⁰
205	314	11/2 ⁺	7/2 ⁻	0.79	0.61	2167.00	2.24	5.62	27.16	49.45	23.39	8.08	0.1597	8.51	18.89	4.40	> 10 ²⁰
206	315	11/2 ⁺		0.78	0.61	2170.16	3.16	5.40	15.26	83.92	0.83	7.16	0.1354	8.55	19.23	4.33	> 10 ²⁰
207	316	11/2 ⁺	9/2 ⁻	0.78	0.61	2172.31	2.15	5.31	14.95	54.16	30.89	8.45	0.0895	8.86	19.56	4.10	> 10 ²⁰
208	317	11/2 ⁺		0.78	0.60	2175.38	3.07	5.22	14.06	83.78	2.16	7.51	0.0899	8.88	19.88	3.85	> 10 ²⁰
209	318	11/2 ⁺	1/2 ⁻	0.78	0.60	2177.51	2.13	5.20	28.95	27.51	43.54	8.77	0.0801	9.21	20.23	3.53	> 10 ²⁰
210	319	11/2 ⁺		0.78	0.59	2180.52	3.01	5.14	12.87	57.53	29.61	7.86	0.0705	9.22	20.56	3.28	> 10 ²⁰
211	320	11/2 ⁺	3/2 ⁻	0.78	0.58	2182.53	2.01	5.02	23.40	25.25	51.34	9.14	0.0580	9.52	20.85	3.04	> 10 ²⁰
212	321	11/2 ⁺		0.78	0.57	2185.36	2.83	4.84	8.24	52.60	39.15	8.32	0.0491	9.53	21.15	2.90	> 10 ²⁰
213	322	11/2 ⁺	5/2 ⁺	0.78	0.57	2187.11	1.75	4.58	7.64	23.73	68.61	9.66	0.0424	9.79	21.44	2.86	> 10 ²⁰
214	323	11/2 ⁺		0.78	0.56	2189.59	2.47	4.23	0.71	42.93	54.78	8.94	0.0317	9.78	21.69	2.92	> 10 ²⁰
215	324	11/2 ⁺	13/2 ⁺	0.78	0.57	2191.02	1.43	3.91	0.83	21.45	75.54	10.27	0.0295	10.07	21.99	2.95	> 10 ²⁰
216	325	11/2 ⁺		0.78	0.57	2193.45	2.42	3.86	0.46	27.99	29.99	9.29	0.0280	10.27	22.23	2.75	> 10 ²⁰
217	326	11/2 ⁺	13/2 ⁺	0.78	0.58	2194.95	1.50	3.92	0.62	14.15	38.24	10.57	0.0271	10.57	22.75	2.38	> 10 ²⁰
218	327	11/2 ⁺		0.78	0.58	2197.26	2.31	3.82	0.33	21.35	18.85	9.66	0.0233	10.54	22.94	2.25	> 10 ²⁰
219	328	11/2 ⁺	11/2 ⁻	0.84	0.63	2196.22	-1.05	1.27	0.00	0.18	2.02	11.62	0.0128	7.92	20.37	4.28	> 10 ²⁰
220	329	5/2 ⁻		0.84	0.60	2198.37	2.15	1.11	0.35	2.76	0.57	10.65	0.0131	10.91	20.62	4.25	> 10 ²⁰
221	330	5/2 ⁻	15/2 ⁺	0.85	0.62	2199.45	1.08	3.24	0.30	2.48	0.33	12.09	0.0122	11.18	20.74	4.69	> 10 ²⁰
222	331	5/2 ⁻		0.85	0.61	2201.73	2.28	3.36	0.38	4.09	0.23	11.22	0.0098	11.19	21.49	4.31	> 10 ²⁰
223	332	5/2 ⁻	1/2 ⁻	0.85	0.62	2202.94	1.21	3.48	8.68	3.53	1.19	12.57	0.0087	11.43	21.97	4.07	> 10 ²⁰
224	333	5/2 ⁻		0.85	0.62	2205.07	2.14	3.34	0.46	5.60	0.26	11.63	0.0083	9.30	22.62	3.46	> 10 ²⁰
225	334	5/2 ⁻	13/2 ⁻	0.89	0.58	2206.12	1.05	3.18	0.10	0.12	2.24	12.84	0.0071	12.28	23.13	3.14	> 10 ²⁰
226	335	3/2 ⁻		0.90	0.51	2208.71	2.59	3.64	0.01	0.44	0.32	11.64	0.0059	12.34	26.92	2.04	> 10 ²⁰
227	336	3/2 ⁻	17/2 ⁺	0.90	0.49	2210.21	1.50	4.09	0.02	0.02	0.83	13.10	0.0079	12.62	27.22	1.08	> 10 ²⁰
228	337	1/2 ⁻		0.90	0.55	2212.67	2.46	3.96	0.15	2.00	0.02	12.15	0.0054	12.64	27.53	-2.58	

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 109 (Mt)																	
229	338	5/2 ⁻	7/2 ⁻	0.89	0.57	2213.24	0.57	3.04	1.68	0.07	1.56	14.33	0.0041	12.89	27.78	-1.96	
230	339	5/2 ⁻		0.89	0.53	2214.63	1.38	1.96				13.50		12.88	28.00	-1.19	
Z = 110																	
146	256			0.78	0.83	1842.29						8.32	0.1957	-0.58	-2.51	12.34	10 ^{-6.54}
147	257		5/2 ⁺	0.78	0.81	1850.83	8.54					9.70	0.2313	-0.56	-2.17	12.18	10 ^{-5.16}
148	258			0.77	0.80	1860.99	10.16	18.70				7.81	0.2835	-0.32	-1.76	12.10	10 ^{-6.07}
149	259		1/2 ⁺	0.78	0.78	1869.35	8.36	18.52				9.07	0.3187	-0.24	-1.33	11.94	10 ^{-4.66}
150	260			0.77	0.77	1879.20	9.85	18.20				7.26	0.4020	0.00	-1.06	11.85	10 ^{-5.53}
151	261		9/2 ⁻	0.77	0.76	1887.23	8.03	17.88				8.31	0.5080	-0.01	-0.71	11.74	10 ^{-4.23}
152	262			0.76	0.75	1896.65	9.42	17.46				6.17	0.7277	0.32	-0.34	11.90	10 ^{-5.63}
153	263		11/2 ⁻	0.76	0.74	1904.15	7.49	16.92				7.34	0.8474	0.54	0.06	12.09	10 ^{-4.98}
154	264			0.76	0.73	1913.19	9.04	16.54				5.57	0.9847	0.92	0.55	12.10	10 ^{-6.06}
155	265		7/2 ⁺	0.75	0.73	1920.49	7.30	16.34				6.64	1.4053	0.95	1.01	11.89	10 ^{-4.55}
156	266			0.74	0.73	1929.15	8.66	15.96				5.12	1.6888	1.24	1.53	11.79	10 ^{-5.39}
157	267		11/2 ⁻	0.74	0.72	1936.36	7.21	15.87				6.05	3.2983	1.30	1.96	11.41	10 ^{-3.51}
158	268			0.74	0.71	1944.97	8.62	15.82				4.49	3.8686	1.79	2.42	10.94	10 ^{-3.47}
159	269		1/2 ⁺	0.74	0.69	1952.06	7.09	15.70				5.60	7.3461	1.81	2.84	10.63	10 ^{-1.64}
160	270			0.74	0.68	1960.53	8.47	15.56				3.83	12.0852	2.08	3.26	10.31	10 ^{-1.89}
161	271		3/2 ⁺	0.74	0.68	1967.35	6.82	15.29				4.91	21.3262	2.21	3.69	10.17	10 ^{-0.44}
162	272			0.74	0.69	1975.53	8.19	15.00				2.93	55.9646	2.49	4.11	10.04	10 ^{-1.15}
163	273		13/2 ⁻	0.74	0.69	1981.86	6.32	14.51				3.61	> 100	2.61	4.61	10.09	10 ^{-0.24}
164	274			0.74	0.68	1989.21	7.35	13.68				1.78	> 100	2.96	5.01	10.51	10 ^{-2.39}
165	275		3/2 ⁺	0.73	0.67	1994.81	5.61	12.95				2.76	> 100	3.04	5.41	10.73	10 ^{-1.89}
166	276			0.73	0.67	2001.77	6.95	12.56				1.09	> 100	3.41	5.85	10.73	10 ^{-2.96}
167	277		11/2 ⁺	0.75	0.66	2007.00	5.24	12.19				2.14	> 100	3.36	6.23	10.69	10 ^{-1.80}
168	278			0.76	0.66	2013.80	6.80	12.04				0.73	> 100	3.88	6.78	10.41	10 ^{-2.13}
169	279		15/2 ⁻	0.78	0.64	2019.39	5.58	12.39				1.35	> 100	4.07	7.23	9.68	10 ^{0.91}
170	280			0.77	0.63	2026.28	6.89	12.47				0.10	> 100	4.76	8.07	9.05	10 ^{1.78}
171	281		3/2 ⁺	0.77	0.62	2031.91	5.63	12.52				0.95	> 100	4.75	8.43	8.55	10 ^{4.52}
172	282			0.78	0.60	2038.74	6.84	12.47				...	β -stable	5.10	8.72	7.76	10 ^{6.41}
173	283		5/2 ⁺	0.79	0.60	2044.15	5.41	12.25				0.36	> 100	5.15	9.06	7.62	10 ^{8.06}
174	284			0.80	0.60	2050.75	6.59	12.00				...	β -stable	5.45	9.46	7.57	10 ^{7.18}
175	285		1/2 ⁺	0.81	0.60	2055.88	5.13	11.73				...	β -stable	5.48	9.78	7.51	10 ^{8.50}
176	286			0.81	0.61	2061.99	6.11	11.24				...	β -stable	5.86	10.11	7.60	10 ^{7.07}
177	287		1/2 ⁺	0.86	0.60	2066.55	4.57	10.68				...	β -stable	5.84	10.38	7.84	10 ^{7.15}
178	288			0.88	0.59	2072.82	6.26	10.83				...	β -stable	6.46	11.17	7.36	10 ^{8.09}
179	289		1/2 ⁺	0.89	0.57	2077.52	4.70	10.96	100.00	0.00	0.00	0.27	> 100	6.42	11.52	6.95	10 ^{11.02}
180	290			0.89	0.54	2083.15	5.63	10.33				...	β -stable	6.75	11.83	6.80	10 ^{10.69}
181	291		3/2 ⁺	0.89	0.53	2087.50	4.34	9.98	100.00	0.00	0.00	0.92	> 100	6.75	12.15	6.80	10 ^{11.74}
182	292			0.89	0.52	2092.79	5.30	9.64	100.00	0.00	0.00	0.26	> 100	7.06	12.48	6.83	10 ^{10.54}
183	293		1/2 ⁺	0.89	0.56	2096.74	3.95	9.25	100.00	0.00	0.00	1.62	> 100	7.06	12.79	6.89	10 ^{11.28}
184	294			0.89	0.61	2101.67	4.92	8.87	100.00	0.00	0.00	0.92	> 100	7.37	13.11	6.95	10 ^{9.97}
185	295		1/2	0.87	0.64	2104.46	2.79	7.71	100.00	0.00	0.00	3.08	> 100	7.24	13.23	7.80	10 ^{7.32}
186	296			0.89	0.67	2109.22	4.76	7.55	100.00	0.00	0.00	1.46	> 100	7.63	13.64	7.63	10 ^{6.92}
187	297		3/2	0.84	0.67	2111.97	2.74	7.51	100.00	0.00	0.00	3.46	> 100	7.36	13.58	7.55	10 ^{8.33}
188	298			0.88	0.74	2116.14	4.17	6.92	100.00	0.00	0.00	2.08	> 100	7.43	13.64	7.74	10 ^{6.49}
189	299		5/2	0.82	0.70	2119.24	3.11	7.28	100.00	0.00	0.00	3.52	> 100	8.72	13.94	7.44	10 ^{8.82}
190	300			0.88	0.81	2122.87	3.62	6.73	100.00	0.00	0.00	2.53	> 100	7.07	15.06	7.93	10 ^{5.75}
191	301		7/2	0.82	0.71	2126.45	3.58	7.21	100.00	0.00	0.00	3.67	> 100	7.65	14.37	7.14	10 ^{10.12}
192	302			0.82	0.72	2130.72	4.26	7.85	100.00	0.00	0.00	2.54	> 100	7.61	14.12	5.39	10 ^{18.94}
193	303		7/2 ⁺	0.86	0.66	2134.28	3.57	7.83	100.00	0.00	0.00	3.20	84.7169	7.84	14.65	6.09	10 ^{15.50}
194	304			0.87	0.65	2138.91	4.62	8.19	100.00	0.00	0.00	1.67	> 100	8.08	14.89	5.99	10 ^{15.08}
195	305		5/2 ⁻	0.86	0.66	2142.13	3.22	7.84	100.00	0.00	0.00	3.62	4.8854	8.07	15.18	5.80	10 ^{17.28}
196	306			0.85	0.66	2146.65	4.52	7.74	100.00	0.00	0.00	2.58	9.5215	8.35	15.46	5.67	10 ^{17.06}
197	307		7/2 ⁻	0.84	0.65	2149.78	3.13	7.65	100.00	0.00	0.00	3.98	2.5573	8.39	15.75	5.47	10 ^{19.43}
198	308			0.83	0.64	2154.20	4.42	7.55	100.00	0.00	0.00	3.00	4.2809	8.65	16.03	5.28	10 ^{19.65}
199	309		1/2 ⁻	0.83	0.62	2157.25	3.04	7.47	100.00	0.00	0.00	4.38	1.9286	8.68	16.36	5.08	> 10 ²⁰

N	A	Ω_p^π	Ω_n^π	Δ_{LNp} (MeV)	Δ_{LNn} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 110$																	
200	310			0.82	0.61	2161.52	4.27	7.32	99.99	0.01	0.00	3.39	2.1853	9.02	16.65	4.95	$> 10^{20}$
201	311		9/2 ⁺	0.82	0.60	2164.33	2.81	7.09	98.77	1.23	0.00	4.86	1.8123	8.94	16.94	4.85	$> 10^{20}$
202	312			0.82	0.60	2168.21	3.88	6.69	90.92	9.08	0.00	4.05	0.7906	9.24	17.13	4.96	$> 10^{20}$
203	313		11/2 ⁺	0.82	0.60	2170.63	2.42	6.30	82.38	17.62	0.00	5.49	0.9516	9.25	17.44	5.05	$> 10^{20}$
204	314			0.81	0.60	2174.30	3.67	6.09	75.22	24.78	0.00	4.54	0.5991	9.53	17.73	5.07	$> 10^{20}$
205	315		7/2 ⁻	0.81	0.60	2176.54	2.24	5.90	73.39	26.61	0.00	5.97	0.3636	9.53	18.04	4.95	$> 10^{20}$
206	316			0.80	0.61	2179.97	3.44	5.68	61.09	38.91	0.00	5.06	0.3425	9.81	18.36	4.89	$> 10^{20}$
207	317		9/2 ⁻	0.79	0.61	2182.11	2.13	5.57	45.02	54.98	0.00	6.34	0.1843	9.80	18.66	4.68	$> 10^{20}$
208	318			0.79	0.60	2185.50	3.39	5.53	50.63	49.37	0.00	5.37	0.2229	10.12	19.00	4.41	$> 10^{20}$
209	319		1/2 ⁻	0.79	0.60	2187.60	2.10	5.49	52.45	47.42	0.13	6.61	0.1711	10.09	19.30	4.14	$> 10^{20}$
210	320			0.79	0.59	2190.89	3.29	5.39	46.11	53.89	0.00	5.66	0.1659	10.37	19.59	3.90	$> 10^{20}$
211	321		3/2 ⁻	0.79	0.58	2192.90	2.01	5.30	46.90	52.60	0.50	6.95	0.1239	10.37	19.89	3.70	$> 10^{20}$
212	322			0.78	0.56	2196.00	3.10	5.11	36.45	63.54	0.00	6.09	0.1052	10.64	20.16	3.60	$> 10^{20}$
213	323		5/2 ⁺	0.78	0.57	2197.75	1.75	4.85	34.25	38.40	27.35	7.47	0.0885	10.64	20.43	3.56	$> 10^{20}$
214	324			0.78	0.56	2200.52	2.77	4.52	31.77	67.52	0.71	6.70	0.0668	10.93	20.70	3.61	$> 10^{20}$
215	325		13/2 ⁺	0.78	0.57	2201.96	1.44	4.20	22.95	32.03	45.02	7.88	0.0731	10.93	21.00	3.67	$> 10^{20}$
216	326			0.78	0.58	2204.74	2.78	4.22	18.43	43.62	37.95	6.96	0.0625	11.29	21.57	3.37	$> 10^{20}$
217	327		13/2 ⁺	0.79	0.58	2206.14	1.40	4.19	16.36	26.69	56.95	8.38	0.0527	11.19	21.76	3.11	$> 10^{20}$
218	328			0.82	0.62	2207.05	0.91	2.31	1.39	12.37	85.62	8.88	0.0122	9.79	20.33	4.42	$> 10^{20}$
219	329		11/2 ⁻	0.82	0.62	2208.24	1.19	2.10	1.09	4.50	86.74	9.99	0.0123	12.02	19.94	4.43	$> 10^{20}$
220	330			0.83	0.60	2210.77	2.52	3.71	1.73	4.57	85.86	8.93	0.0123	12.39	23.31	4.25	$> 10^{20}$
221	331		15/2 ⁺	0.83	0.61	2212.17	1.40	3.92	1.86	0.29	89.54	10.06	0.0142	12.71	23.89	4.43	$> 10^{20}$
222	332			0.83	0.60	2214.72	2.56	3.96	3.48	6.16	82.46	9.02	0.0132	12.99	24.18	1.03	$> 10^{20}$
223	333		1/2 ⁻	0.82	0.61	2215.92	1.20	3.75	12.89	0.33	79.35	10.39	0.0112	12.98	24.41	0.65	$> 10^{20}$
224	334			0.83	0.61	2218.18	2.25	3.45	5.03	1.31	84.25	9.49	0.0110	13.10	22.40	0.67	$> 10^{20}$
225	335		13/2 ⁻	0.85	0.58	2219.56	1.39	3.64	0.23	0.74	98.07	10.67	0.0098	13.44	25.72	0.24	$> 10^{20}$
226	336			0.85	0.51	2222.53	2.96	4.35	0.02	0.84	99.00	9.31	0.0091	13.82	26.15	1.54	$> 10^{20}$
227	337		17/2 ⁺	0.85	0.49	2224.03	1.51	4.47	0.02	0.88	98.99	10.94	0.0109	13.83	26.45	-1.90	
228	338			0.85	0.55	2226.79	2.75	4.26				9.98		14.12	26.76	-2.12	
229	339		7/2 ⁻	0.85	0.57	2227.35	0.56	3.32				12.19		14.11	27.00	-1.47	
$Z = 111$																	
148	259	9/2 ⁻		0.78	0.81	1858.69						9.87	0.2209	-2.30	-2.62	12.47	$10^{-5.77}$
149	260	9/2 ⁻	1/2 ⁺	0.79	0.79	1867.33	8.63					11.09	0.2589	-2.02	-2.26	12.36	$10^{-5.20}$
150	261	9/2 ⁻		0.79	0.77	1877.24	9.91	18.55				9.21	0.3513	-1.96	-1.96	12.37	$10^{-5.56}$
151	262	9/2 ⁻	9/2 ⁻	0.79	0.76	1885.63	8.39	18.31				10.24	0.4280	-1.60	-1.61	12.25	$10^{-4.98}$
152	263	9/2 ⁻		0.78	0.75	1895.06	9.43	17.82				8.31	0.5529	-1.59	-1.27	12.44	$10^{-5.70}$
153	264	9/2 ⁻	7/2 ⁺	0.78	0.75	1902.89	7.83	17.26				9.52	0.6125	-1.26	-0.72	12.65	$10^{-5.78}$
154	265	9/2 ⁻		0.77	0.74	1911.96	9.07	16.90				7.74	0.7373	-1.23	-0.30	12.66	$10^{-6.15}$
155	266	9/2 ⁻	9/2 ⁺	0.77	0.73	1919.63	7.67	16.74				8.73	0.4949	-0.86	0.09	12.27	$10^{-5.02}$
156	267	9/2 ⁻		0.76	0.73	1928.41	8.78	16.45				7.16	1.3571	-0.74	0.50	12.15	$10^{-5.11}$
157	268	9/2 ⁻	11/2 ⁻	0.76	0.72	1935.94	7.53	16.31				8.25	2.3461	-0.41	0.89	11.89	$10^{-4.23}$
158	269	9/2 ⁻		0.75	0.71	1944.59	8.64	16.17				6.69	2.7800	-0.39	1.40	11.62	$10^{-3.98}$
159	270	9/2 ⁻	1/2 ⁺	0.75	0.69	1952.01	7.42	16.07				7.74	5.2174	-0.05	1.76	11.34	$10^{-3.00}$
160	271	9/2 ⁻		0.75	0.68	1960.48	8.47	15.90				6.08	7.9281	-0.05	2.04	11.00	$10^{-2.54}$
161	272	9/2 ⁻	3/2 ⁺	0.75	0.68	1967.64	7.16	15.63				7.11	12.7573	0.30	2.50	10.90	$10^{-1.96}$
162	273	3/2 ⁻		0.74	0.69	1975.86	8.22	15.38				5.22	25.7228	0.32	2.82	10.88	$10^{-2.26}$
163	274	3/2 ⁻	13/2 ⁻	0.74	0.69	1982.57	6.71	14.93				5.85	55.7557	0.71	3.32	10.86	$10^{-1.87}$
164	275	3/2 ⁻		0.74	0.68	1990.01	7.44	14.15				4.02	93.7331	0.80	3.76	11.32	$10^{-3.31}$
165	276	3/2 ⁻	3/2 ⁺	0.73	0.67	1996.02	6.01	13.45				4.96	> 100	1.21	4.25	11.52	$10^{-3.42}$
166	277	9/2 ⁻		0.74	0.66	2003.04	7.02	13.03				3.18	> 100	1.28	4.68	11.50	$10^{-3.72}$
167	278	9/2 ⁻	11/2 ⁺	0.74	0.67	2008.68	5.64	12.66				4.34	53.6798	1.68	5.04	11.39	$10^{-3.11}$
168	279	9/2 ⁻		0.74	0.66	2015.73	7.05	12.69				2.87	> 100	1.93	5.81	10.92	$10^{-2.36}$
169	280	13/2 ⁺	15/2 ⁻	0.78	0.64	2021.81	6.07	13.12				3.69	> 100	2.42	6.49	10.13	$10^{0.03}$
170	281	13/2 ⁺		0.78	0.64	2028.85	7.05	13.12				2.27	> 100	2.58	7.33	9.37	$10^{1.90}$
171	282	13/2 ⁺	3/2 ⁺	0.78	0.62	2034.82	5.97	13.02				3.14	> 100	2.92	7.67	8.79	$10^{4.10}$
172	283	13/2 ⁺		0.78	0.61	2041.72	6.89	12.87				1.65	> 100	2.98	8.08	8.10	$10^{6.25}$
173	284	13/2 ⁺	5/2 ⁺	0.78	0.61	2047.43	5.71	12.60				2.54	> 100	3.28	8.42	8.02	$10^{6.88}$

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 111																	
174	285	13/2 ⁺		0.78	0.60	2054.06	6.64	12.34				1.03	> 100	3.32	8.77	7.87	10 ^{7.11}
175	286	13/2 ⁺	1/2 ⁺	0.78	0.60	2059.52	5.45	12.09				1.69	> 100	3.64	9.12	7.78	10 ^{7.82}
176	287	13/2 ⁺		0.78	0.59	2065.70	6.18	11.64				0.07	> 100	3.72	9.57	7.89	10 ^{7.07}
177	288	3/2 ⁻	1/2 ⁺	0.80	0.60	2070.66	4.95	11.14	100.00	0.00	0.00	±	±	4.10	9.94	8.03	10 ^{6.82}
178	289	3/2 ⁻		0.82	0.59	2077.00	6.35	11.30				...	β-stable	4.19	10.65	7.42	10 ^{9.00}
179	290	3/2 ⁻	1/2 ⁺	0.82	0.58	2081.99	4.98	11.33	100.00	0.00	0.00	±	±	4.47	10.89	7.03	10 ^{11.12}
180	291	1/2 ⁻		0.84	0.56	2087.63	5.64	10.62	100.00	0.00	0.00	0.77	> 100	4.48	11.22	7.03	10 ^{10.79}
181	292	3/2 ⁻	3/2 ⁺	0.84	0.55	2092.27	4.64	10.28	100.00	0.00	0.00	2.12	> 100	4.77	11.52	7.13	10 ^{10.66}
182	293	3/2 ⁻		0.84	0.55	2097.58	5.32	9.95	100.00	0.00	0.00	1.49	> 100	4.79	11.85	7.12	10 ^{10.36}
183	294	3/2 ⁻	1/2 ⁺	0.84	0.58	2101.81	4.22	9.54	100.00	0.00	0.00	2.89	> 100	5.06	12.12	7.24	10 ^{10.16}
184	295	3/2 ⁻		0.84	0.62	2106.75	4.94	9.17	100.00	0.00	0.00	2.18	> 100	5.08	12.45	7.28	10 ^{9.62}
185	296	3/2 ⁻	1/2 ⁻	0.82	0.65	2109.90	3.15	8.09	100.00	0.00	0.00	4.28	> 100	5.44	12.68	8.08	10 ^{6.65}
186	297	3/2 ⁻		0.83	0.67	2114.65	4.75	7.90	100.00	0.00	0.00	2.75	> 100	5.43	13.06	7.94	10 ^{6.83}
187	298	3/2 ⁻	1/2 ⁻	0.83	0.70	2117.43	2.78	7.53	100.00	0.00	0.00	4.97	> 100	5.47	12.82	8.09	10 ^{6.63}
188	299	3/2 ⁻		0.81	0.71	2121.98	4.55	7.33	100.00	0.00	0.00	3.26	> 100	5.84	13.27	7.90	10 ^{7.00}
189	300	3/2 ⁻	3/2 ⁻	0.83	0.78	2124.62	2.64	7.19	99.99	0.01	0.00	5.36	> 100	5.37	14.10	8.29	10 ^{5.87}
190	301	3/2 ⁻		0.80	0.73	2129.34	4.72	7.36	100.00	0.00	0.00	3.47	> 100	6.47	13.54	7.66	10 ^{7.96}
191	302	3/2 ⁻	7/2 ⁻	0.80	0.73	2132.47	3.13	7.86	100.00	0.00	0.00	4.87	> 100	6.02	13.67	6.35	10 ^{14.59}
192	303	3/2 ⁻		0.80	0.74	2136.71	4.23	7.37	100.00	0.00	0.00	3.59	> 100	5.99	13.60	7.39	10 ^{9.14}
193	304	3/2 ⁻	9/2 ⁻	0.80	0.73	2139.79	3.08	7.32	99.97	0.03	0.00	4.99	> 100	5.51	13.35	7.31	10 ^{9.82}
194	305	11/2 ⁺		0.86	0.66	2144.96	5.17	8.25	100.00	0.00	0.00	2.78	25.0499	6.05	14.13	6.44	10 ^{13.72}
195	306	11/2 ⁺	5/2 ⁻	0.87	0.66	2148.44	3.48	8.65	100.00	0.00	0.00	3.17	> 100	6.32	14.38	6.29	10 ^{14.90}
196	307	11/2 ⁺		0.86	0.65	2152.98	4.54	8.02	100.00	0.00	0.00	3.56	8.1733	6.33	14.69	6.14	10 ^{15.40}
197	308	11/2 ⁺	1/2 ⁻	0.85	0.64	2156.42	3.44	7.97	100.00	0.00	0.00	5.00	3.5669	6.64	15.03	5.94	10 ^{16.95}
198	309	11/2 ⁺		0.85	0.63	2160.84	4.42	7.86	99.74	0.26	0.00	3.98	3.9384	6.64	15.28	5.75	10 ^{17.78}
199	310	11/2 ⁺	1/2 ⁻	0.84	0.62	2164.13	3.29	7.71	98.05	1.95	0.00	5.37	2.3853	6.88	15.56	5.56	10 ^{19.36}
200	311	11/2 ⁺		0.84	0.60	2168.41	4.28	7.57	92.43	7.57	0.00	4.43	2.3202	6.89	15.91	5.45	10 ^{19.81}
201	312	11/2 ⁺	9/2 ⁺	0.84	0.60	2171.48	3.07	7.35	88.25	11.75	0.00	5.93	1.7580	7.14	16.08	5.38	> 10 ²⁰
202	313	11/2 ⁺		0.83	0.60	2175.34	3.87	6.93	69.59	30.41	0.00	5.17	0.8789	7.13	16.37	5.45	10 ^{19.77}
203	314	11/2 ⁺	11/2 ⁺	0.83	0.60	2178.05	2.71	6.58	57.24	42.76	0.00	6.68	0.9065	7.42	16.68	5.64	10 ^{18.87}
204	315	11/2 ⁺		0.83	0.60	2181.73	3.67	6.38	47.99	52.01	0.00	5.69	0.6585	7.43	16.96	5.54	10 ^{19.15}
205	316	1/2 ⁺	7/2 ⁻	0.83	0.60	2184.25	2.53	6.20	43.76	55.87	0.37	6.95	0.7299	7.72	17.25	5.42	> 10 ²⁰
206	317	1/2 ⁺		0.81	0.60	2187.67	3.41	5.94	18.72	81.28	0.00	6.07	0.6886	7.69	17.50	5.39	> 10 ²⁰
207	318	1/2 ⁺	9/2 ⁻	0.81	0.60	2190.09	2.42	5.83	40.34	54.53	5.13	7.36	0.3110	7.98	17.78	5.21	> 10 ²⁰
208	319	1/2 ⁺		0.80	0.60	2193.43	3.34	5.77	15.10	84.90	0.00	6.45	0.3583	7.93	18.05	5.03	> 10 ²⁰
209	320	1/2 ⁺	1/2 ⁻	0.80	0.60	2195.77	2.34	5.68	41.51	40.71	17.78	7.74	0.2454	8.17	18.26	4.84	> 10 ²⁰
210	321	1/2 ⁺		0.80	0.59	2199.06	3.29	5.63	16.39	83.60	0.02	6.81	0.2355	8.17	18.55	4.61	> 10 ²⁰
211	322	3/2 ⁺	3/2 ⁻	0.80	0.57	2201.31	2.24	5.54	33.31	42.72	23.97	8.12	0.1654	8.41	18.78	4.50	> 10 ²⁰
212	323	3/2 ⁺		0.80	0.55	2204.44	3.13	5.38	16.26	83.54	0.20	7.32	0.1281	8.45	19.08	4.37	> 10 ²⁰
213	324	3/2 ⁺	5/2 ⁺	0.80	0.57	2206.43	1.99	5.12	0.03	65.47	34.50	8.12	0.2362	8.68	19.32	4.40	> 10 ²⁰
214	325	9/2 ⁻		0.79	0.64	2209.05	2.62	4.61	3.24	36.42	60.33	7.61	0.1190	8.53	19.46	4.61	> 10 ²⁰
215	326	11/2 ⁺	1/2 ⁻	0.79	0.63	2210.92	1.86	4.48	2.65	11.83	85.51	9.12	0.0977	8.96	19.89	4.50	> 10 ²⁰
216	327	11/2 ⁺		0.79	0.62	2213.74	2.82	4.68	0.13	30.51	69.35	8.23	0.0661	8.99	20.29	4.15	> 10 ²⁰
217	328	1/2 ⁻	13/2 ⁺	0.79	0.63	2215.15	1.41	4.23	6.66	1.06	92.21	9.90	0.0475	9.01	20.20	4.17	> 10 ²⁰
218	329	1/2 ⁻		0.79	0.63	2217.46	2.31	3.72	4.00	4.39	91.20	9.31	0.0220	10.40	20.19	4.29	> 10 ²⁰
219	330	1/2 ⁻	11/2 ⁻	0.80	0.62	2218.91	1.46	3.77	1.75	1.52	92.83	10.69	0.0175	10.67	22.69	4.33	> 10 ²⁰
220	331	13/2 ⁺		0.80	0.60	2221.45	2.54	3.99	0.06	1.69	94.45	9.54	0.0191	10.68	23.08	4.11	> 10 ²⁰
221	332	13/2 ⁺	15/2 ⁺	0.80	0.62	2222.96	1.51	4.05	0.12	1.24	46.28	10.93	0.0176	10.79	23.50	1.55	> 10 ²⁰
222	333	13/2 ⁺		0.80	0.61	2225.53	2.57	4.08	0.10	2.77	13.53	9.89	0.0164	10.81	23.80	1.14	> 10 ²⁰
223	334	13/2 ⁺	11/2 ⁻	0.80	0.62	2226.88	1.35	3.92	0.84	1.87	15.62	11.41	0.0133	10.96	23.95	0.87	> 10 ²⁰
224	335	13/2 ⁺		0.81	0.60	2229.46	2.57	3.92	0.03	0.65	3.33	10.27	0.0115	11.28	24.38	0.57	> 10 ²⁰
225	336	13/2 ⁺	13/2 ⁻	0.81	0.57	2231.05	1.60	4.17	0.02	0.50	43.54	11.77	0.0087	11.49	24.93	0.18	> 10 ²⁰
226	337	5/2 ⁻		0.81	0.51	2234.19	3.14	4.74				10.34		11.66	25.48	-0.82	
227	338	5/2 ⁻	17/2 ⁺	0.81	0.49	2235.99	1.79	4.93				12.03		11.95	25.78	-1.57	
228	339	5/2 ⁻		0.81	0.56	2238.76	2.77	4.57				11.06		11.97	26.09	-1.75	
Z = 112																	
150	262			0.80	0.77	1876.55						8.30	0.1888	-0.69	-2.65	12.74	10 ^{-6.80}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 112$																	
151	263		9/2 ⁻	0.81	0.76	1884.92	8.36					9.36	0.2416	-0.72	-2.32	12.73	10 ^{-5.72}
152	264			0.80	0.75	1894.67	9.75	18.12				7.44	0.2769	-0.39	-1.99	12.83	10 ^{-6.97}
153	265		7/2 ⁺	0.79	0.75	1902.57	7.90	17.65				8.61	0.3511	-0.32	-1.58	12.96	10 ^{-6.16}
154	266			0.78	0.75	1911.97	9.41	17.31				6.88	0.4250	0.01	-1.22	12.98	10 ^{-7.26}
155	267		9/2 ⁺	0.78	0.74	1919.68	7.70	17.11				7.96	0.2831	0.04	-0.81	12.77	10 ^{-5.80}
156	268			0.78	0.73	1928.80	9.13	16.83				6.36	0.7417	0.39	-0.35	12.68	10 ^{-6.69}
157	269		11/2 ⁻	0.77	0.72	1936.35	7.55	16.68				7.45	1.2513	0.41	0.00	12.43	10 ^{-5.12}
158	270			0.76	0.71	1945.35	9.00	16.55				5.88	1.5262	0.76	0.38	12.10	10 ^{-5.50}
159	271		1/2 ⁺	0.76	0.70	1952.81	7.47	16.46				6.89	2.7898	0.80	0.75	11.84	10 ^{-3.88}
160	272			0.75	0.69	1961.66	8.84	16.31				5.21	4.0456	1.17	1.12	11.61	10 ^{-4.45}
161	273		3/2 ⁺	0.74	0.68	1968.85	7.20	16.04				6.23	6.1952	1.21	1.50	11.51	10 ^{-3.14}
162	274			0.74	0.69	1977.44	8.59	15.78				4.35	13.2005	1.58	1.90	11.39	10 ^{-3.94}
163	275		13/2 ⁻	0.73	0.69	1984.15	6.71	15.30				5.08	27.8570	1.58	2.29	11.50	10 ^{-3.12}
164	276			0.73	0.69	1991.99	7.84	14.56				3.25	45.9102	1.98	2.78	11.84	10 ^{-4.95}
165	277		3/2 ⁺	0.72	0.67	1998.07	6.08	13.92				4.19	50.0416	2.05	3.26	12.08	10 ^{-4.41}
166	278			0.74	0.68	2005.21	7.14	13.22				2.69	30.8707	2.17	3.45	12.29	10 ^{-5.91}
167	279		11/2 ⁺	0.74	0.67	2011.29	6.08	13.22				3.66	13.0934	2.61	4.29	11.82	10 ^{-3.84}
168	280			0.74	0.68	2018.94	7.66	13.73				2.08	> 100	3.21	5.14	11.12	10 ^{-3.30}
169	281		3/2 ⁺	0.74	0.66	2025.16	6.22	13.87				2.91	> 100	3.36	5.77	10.14	10 ^{0.28}
170	282			0.74	0.64	2032.68	7.52	13.73				1.36	> 100	3.83	6.40	9.42	10 ^{1.30}
171	283		3/2 ⁺	0.74	0.63	2038.67	5.99	13.51				2.27	> 100	3.84	6.76	9.01	10 ^{3.66}
172	284			0.75	0.62	2045.88	7.21	13.20				0.77	> 100	4.16	7.13	8.69	10 ^{3.67}
173	285		5/2 ⁺	0.75	0.61	2051.61	5.73	12.94				1.67	> 100	4.18	7.45	8.59	10 ^{5.09}
174	286			0.75	0.61	2058.56	6.95	12.69				0.17	> 100	4.50	7.82	8.48	10 ^{4.44}
175	287		1/2 ⁺	0.75	0.60	2064.04	5.48	12.43				0.88	> 100	4.52	8.16	8.41	10 ^{5.75}
176	288			0.73	0.61	2070.70	6.66	12.14				...	β -stable	5.00	8.71	8.34	10 ^{4.92}
177	289		1/2 ⁺	0.74	0.60	2075.97	5.27	11.93				0.25	> 100	5.32	9.42	8.20	10 ^{6.51}
178	290			0.76	0.60	2082.64	6.67	11.94				...	β -stable	5.63	9.82	7.64	10 ^{7.67}
179	291		1/2 ⁺	0.75	0.58	2087.62	4.98	11.65				...	β -stable	5.63	10.10	7.23	10 ^{10.54}
180	292			0.76	0.56	2093.60	5.99	10.97				...	β -stable	5.98	10.45	7.51	10 ^{8.25}
181	293		3/2 ⁺	0.79	0.55	2098.29	4.69	10.68				...	β -stable	6.03	10.80	7.52	10 ^{9.27}
182	294			0.79	0.55	2103.92	5.62	10.31				...	β -stable	6.33	11.12	7.53	10 ^{8.15}
183	295		1/2 ⁺	0.79	0.58	2108.15	4.23	9.85	100.00	0.00	0.00	0.48	> 100	6.34	11.40	7.65	10 ^{8.73}
184	296			0.79	0.62	2113.39	5.25	9.48				...	β -stable	6.64	11.73	7.70	10 ^{7.46}
185	297		1/2	0.78	0.65	2116.62	3.22	8.47	100.00	0.00	0.00	1.79	> 100	6.72	12.16	8.42	10 ^{5.70}
186	298			0.78	0.67	2121.61	5.00	8.22	100.00	0.00	0.00	0.15	> 100	6.97	12.39	8.35	10 ^{4.91}
187	299		3/2	0.78	0.69	2124.45	2.84	7.84	100.00	0.00	0.00	2.51	> 100	7.02	12.49	8.30	10 ^{6.16}
188	300			0.78	0.74	2129.19	4.74	7.58	100.00	0.00	0.00	0.88	> 100	7.21	13.06	8.32	10 ^{4.99}
189	301		5/2	0.77	0.75	2132.02	2.83	7.57	100.00	0.00	0.00	2.85	> 100	7.41	12.78	8.24	10 ^{6.37}
190	302			0.77	0.79	2136.56	4.54	7.37	100.00	0.00	0.00	1.45	> 100	7.22	13.69	7.87	10 ^{6.74}
191	303		7/2	0.77	0.76	2139.51	2.95	7.49	100.00	0.00	0.00	3.05	> 100	7.04	13.06	8.03	10 ^{7.18}
192	304			0.77	0.78	2144.00	4.49	7.44	100.00	0.00	0.00	1.75	> 100	7.29	13.28	7.16	10 ^{9.79}
193	305		9/2	0.78	0.76	2146.96	2.96	7.45	100.00	0.00	0.00	3.27	> 100	7.17	12.67	7.79	10 ^{8.14}
194	306			0.78	0.91	2150.84	3.88	6.84	100.00	0.00	0.00	2.18	> 100	5.88	11.93	8.18	10 ^{5.55}
195	307		1/2 ⁺	0.89	0.65	2155.75	4.92	8.80	100.00	0.00	0.00	2.08	> 100	7.31	13.63	6.83	10 ^{12.48}
196	308			0.87	0.66	2160.63	4.88	9.80	100.00	0.00	0.00	1.72	37.9761	7.65	13.98	6.57	10 ^{12.73}
197	309		1/2 ⁻	0.87	0.65	2164.04	3.40	8.28	100.00	0.00	0.00	2.91	65.6046	7.62	14.26	6.39	10 ^{14.78}
198	310			0.86	0.64	2168.72	4.68	8.08	100.00	0.00	0.00	1.92	20.2871	7.88	14.51	6.23	10 ^{14.60}
199	311		15/2 ⁻	0.86	0.62	2172.05	3.34	8.02	100.00	0.00	0.00	3.30	19.6862	7.93	14.81	6.02	10 ^{16.88}
200	312			0.86	0.60	2176.63	4.57	7.91	100.00	0.00	0.00	2.33	9.4328	8.22	15.11	5.87	10 ^{16.73}
201	313		9/2 ⁺	0.86	0.59	2179.73	3.10	7.68	100.00	0.00	0.00	3.78	7.8991	8.26	15.40	5.81	10 ^{18.19}
202	314			0.86	0.59	2183.96	4.22	7.33	100.00	0.00	0.00	2.92	3.3917	8.61	15.75	5.86	10 ^{16.80}
203	315		11/2 ⁺	0.86	0.59	2186.63	2.68	6.90	99.95	0.05	0.00	4.57	2.8572	8.58	16.00	5.99	10 ^{17.04}
204	316			0.85	0.60	2190.43	3.79	6.47	97.24	2.76	0.00	3.65	1.6956	8.70	16.13	6.08	10 ^{15.48}
205	317		7/2 ⁻	0.84	0.60	2192.95	2.52	6.32	95.86	4.14	0.00	5.04	0.8861	8.69	16.41	5.98	10 ^{17.13}
206	318			0.84	0.60	2196.66	3.71	6.23	91.89	8.11	0.00	3.97	1.3030	9.00	16.69	5.93	10 ^{16.34}
207	319		9/2 ⁻	0.83	0.60	2199.10	2.43	6.15	95.07	4.93	0.00	5.24	0.5360	9.01	16.99	5.74	10 ^{18.66}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 112																	
208	320			0.82	0.60	2202.73	3.63	6.07	85.77	14.23	0.00	4.32	0.6721	9.30	17.23	5.54	$10^{18.87}$
209	321		$1/2^-$	0.82	0.60	2205.10	2.37	6.00	91.10	8.90	0.00	5.58	0.3980	9.33	17.49	5.31	$> 10^{20}$
210	322			0.82	0.59	2208.65	3.55	5.92	83.06	16.94	0.00	4.66	0.4144	9.58	17.76	5.15	$> 10^{20}$
211	323		$3/2^-$	0.82	0.56	2210.98	2.33	5.88	80.88	19.12	0.00	5.86	0.2707	9.67	18.08	4.92	$> 10^{20}$
212	324			0.80	0.66	2213.76	2.79	5.12	30.61	69.39	0.00	5.72	0.1106	9.32	17.77	5.42	$10^{19.71}$
213	325		$1/2^+$	0.80	0.65	2215.87	2.11	4.90	4.37	95.56	0.07	6.44	0.3064	9.44	18.12	5.32	$> 10^{20}$
214	326			0.80	0.64	2219.25	3.38	5.49	14.78	85.22	0.00	5.43	0.1961	10.20	18.74	5.04	$> 10^{20}$
215	327		$1/2^-$	0.79	0.63	2221.18	1.93	5.31	11.89	87.98	0.13	7.01	0.1445	10.27	19.23	4.87	$> 10^{20}$
216	328			0.79	0.63	2224.27	3.08	5.01	6.65	93.35	0.00	6.23	0.0896	10.53	19.53	4.55	$> 10^{20}$
217	329		$13/2^+$	0.78	0.63	2225.99	1.72	4.80	1.23	92.25	6.52	7.69	0.0875	10.84	19.84	4.26	$> 10^{20}$
218	330			0.78	0.62	2228.83	2.84	4.56	1.90	97.89	0.21	6.76	0.0639	11.37	21.77	4.21	$> 10^{20}$
219	331		$11/2^-$	0.78	0.62	2230.20	1.38	4.22	2.17	29.71	68.12	8.36	0.0385	11.29	21.96	4.23	$> 10^{20}$
220	332			0.78	0.60	2233.10	2.90	4.28	2.16	95.78	2.06	7.28	0.0414	11.66	22.34	2.24	$> 10^{20}$
221	333		$15/2^+$	0.77	0.62	2234.63	1.53	4.43	1.78	5.51	92.69	8.69	0.0377	11.68	22.47	1.90	$> 10^{20}$
222	334			0.77	0.61	2237.51	2.88	4.41	3.16	94.41	2.40	7.77	0.0301	11.98	22.79	1.55	$> 10^{20}$
223	335		$11/2^-$	0.78	0.61	2238.95	1.43	4.31	1.65	3.29	95.04	9.28	0.0230	12.06	23.02	1.52	$> 10^{20}$
224	336			0.78	0.61	2242.04	3.10	4.53	0.75	99.14	0.10	8.13	0.0217	12.59	23.87	0.98	$> 10^{20}$
225	337		$11/2^-$	0.78	0.57	2243.75	1.71	4.80	0.67	1.33	97.95	9.52	0.0187	12.69	24.18	0.47	$> 10^{20}$
226	338			0.78	0.51	2247.23	3.48	5.19	0.45	99.55	0.00	8.08	0.0153	13.04	24.70	-0.76	
227	339		$17/2^+$	0.77	0.49	2249.04	1.81	5.29	0.48	0.20	99.32	9.73	0.0188	13.05	25.00	-1.18	
Z = 113																	
153	266	$3/2^-$	$7/2^+$	0.81	0.75	1900.32						10.87	0.2662	-2.25	-2.57	13.61	$10^{-7.06}$
154	267	$3/2^-$		0.79	0.76	1909.82	9.50					9.07	0.3314	-2.15	-2.14	13.53	$10^{-7.26}$
155	268	$3/2^-$	$7/2^+$	0.79	0.75	1917.92	8.10	17.60				10.10	0.4901	-1.76	-1.72	13.27	$10^{-6.44}$
156	269	$3/2^-$		0.79	0.75	1927.13	9.21	17.31				8.44	0.6150	-1.68	-1.28	13.13	$10^{-6.52}$
157	270	$3/2^-$	$11/2^-$	0.78	0.74	1935.03	7.91	17.12				9.53	1.0331	-1.32	-0.91	12.89	$10^{-5.73}$
158	271	$3/2^-$		0.77	0.73	1944.10	9.06	16.97				7.94	1.2608	-1.25	-0.49	12.61	$10^{-5.52}$
159	272	$3/2^-$	$1/2^+$	0.76	0.71	1951.90	7.80	16.86				8.97	2.1260	-0.92	-0.11	12.34	$10^{-4.62}$
160	273	$3/2^-$		0.75	0.70	1960.78	8.88	16.68				7.29	3.0423	-0.88	0.29	12.10	$10^{-4.47}$
161	274	$3/2^-$	$3/2^+$	0.75	0.69	1968.33	7.55	16.43				8.32	4.7119	-0.52	0.69	11.98	$10^{-3.85}$
162	275	$9/2^-$		0.75	0.69	1976.88	8.55	16.10				6.49	8.2188	-0.56	1.02	11.90	$10^{-4.03}$
163	276	$9/2^-$	$13/2^-$	0.74	0.69	1984.04	7.16	15.71				7.16	14.5117	-0.10	1.47	11.90	$10^{-3.67}$
164	277	$3/2^-$		0.73	0.69	1992.00	7.95	15.12				5.29	18.9669	0.01	1.99	12.16	$10^{-4.58}$
165	278	$3/2^-$	$3/2^+$	0.74	0.68	1998.32	6.32	14.28				6.11	23.2682	0.25	2.30	12.55	$10^{-5.04}$
166	279	$3/2^-$		0.75	0.68	2005.68	7.36	13.69				4.82	19.5930	0.47	2.64	12.62	$10^{-5.54}$
167	280	$7/2^-$	$1/2^+$	0.71	0.69	2012.85	7.17	14.53				5.31	> 100	1.56	4.17	11.46	$10^{-2.71}$
168	281	$7/2^-$		0.71	0.68	2020.65	7.79	14.96				3.73	> 100	1.70	4.91	10.69	$10^{-1.18}$
169	282	$7/2^-$	$3/2^+$	0.71	0.66	2027.20	6.55	14.34				4.70	> 100	2.04	5.39	9.78	$10^{1.66}$
170	283	$7/2^-$		0.72	0.65	2034.68	7.48	14.03				3.21	> 100	2.00	5.82	9.35	$10^{2.63}$
171	284	$7/2^-$	$3/2^+$	0.73	0.64	2040.95	6.27	13.75				4.14	> 100	2.28	6.12	9.15	$10^{3.61}$
172	285	$7/2^-$		0.73	0.63	2048.18	7.23	13.50				2.65	> 100	2.30	6.46	8.97	$10^{3.86}$
173	286	$7/2^-$	$5/2^+$	0.72	0.62	2054.22	6.04	13.27				3.56	> 100	2.61	6.79	8.90	$10^{4.44}$
174	287	$7/2^-$		0.73	0.62	2061.19	6.97	13.02				2.07	> 100	2.63	7.13	8.82	$10^{4.35}$
175	288	$7/2^-$	$1/2^+$	0.73	0.60	2066.97	5.78	12.75				2.95	> 100	2.93	7.45	8.75	$10^{4.94}$
176	289	$1/2^-$		0.68	0.61	2073.90	6.93	12.70				1.29	> 100	3.20	8.19	8.46	$10^{5.63}$
177	290	$1/2^-$	$1/2^+$	0.70	0.60	2079.38	5.48	12.41				2.48	> 100	3.40	8.72	8.44	$10^{6.06}$
178	291	$1/2^-$		0.71	0.60	2086.09	6.72	12.20				0.74	> 100	3.46	9.09	7.91	$10^{7.77}$
179	292	$1/2^-$	$1/2^+$	0.74	0.58	2091.36	5.27	11.99	100.00	0.00	0.00	$\pm$	$\pm$	3.75	9.38	7.59	$10^{9.43}$
180	293	$5/2^-$		0.73	0.56	2097.30	5.94	11.21				0.21	> 100	3.70	9.67	8.00	$10^{7.39}$
181	294	$5/2^-$	$3/2^+$	0.73	0.55	2102.25	4.95	10.89	100.00	0.00	0.00	$\pm$	$\pm$	3.96	9.98	8.03	$10^{7.61}$
182	295	$5/2^-$		0.77	0.55	2107.84	5.59	10.54	100.00	0.00	0.00	0.22	> 100	3.92	10.26	8.08	$10^{7.06}$
183	296	$5/2^-$	$1/2^+$	0.77	0.58	2112.37	4.53	10.11	100.00	0.00	0.00	$\pm$	$\pm$	4.22	10.56	8.20	$10^{6.97}$
184	297	$5/2^-$		0.77	0.62	2117.63	5.26	9.79	100.00	0.00	0.00	0.89	> 100	4.24	10.88	8.25	$10^{6.41}$
185	298	$3/2^-$	$11/2^-$	0.77	0.65	2120.99	3.36	8.62	100.00	0.00	0.00	3.10	> 100	4.37	11.09	9.12	$10^{3.72}$
186	299	$5/2^-$		0.76	0.67	2126.19	5.20	8.56	100.00	0.00	0.00	1.25	> 100	4.57	11.54	8.86	$10^{4.23}$
187	300	$3/2^-$	$1/2^-$	0.76	0.70	2129.29	3.10	8.31	100.00	0.00	0.00	3.67	> 100	4.84	11.86	8.90	$10^{4.42}$
188	301	$5/2^-$		0.76	0.74	2134.09	4.80	7.91	100.00	0.00	0.00	1.97	> 100	4.90	12.11	8.85	$10^{4.26}$

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 113																	
189	302	1/2	5/2	0.75	0.76	2137.23	3.13	7.94	100.00	0.00	0.00	3.96	> 100	5.20	12.61	8.50	10 ^{5.83}
190	303	1/2		0.76	0.81	2141.78	4.55	7.69	100.00	0.00	0.00	2.44	> 100	5.22	12.44	8.50	10 ^{5.50}
191	304	1/2	7/2	0.75	0.80	2144.97	3.19	7.74	100.00	0.00	0.00	4.22	> 100	5.45	12.49	7.95	10 ^{7.93}
192	305	1/2		0.75	0.83	2149.44	4.48	7.67	100.00	0.00	0.00	2.71	> 100	5.45	12.74	8.19	10 ^{6.65}
193	306	3/2 ⁻	7/2 ⁻	0.76	0.89	2152.23	2.79	7.27	100.00	0.00	0.00	4.81	> 100	5.27	12.44	8.54	10 ^{5.70}
194	307	1/2		0.75	0.83	2157.05	4.82	7.61	100.00	0.00	0.00	2.87	> 100	6.22	12.09	7.95	10 ^{7.59}
195	308	5/2 ⁻	1/2 ⁺	0.88	0.65	2161.56	4.51	9.33	100.00	0.00	0.00	3.17	98.9738	5.81	13.12	6.52	10 ^{14.55}
196	309	1/2 ⁻		0.86	0.67	2166.17	4.60	9.11	100.00	0.00	0.00	1.39	> 100	5.54	13.19	7.09	10 ^{11.34}
197	310	1/2 ⁻	1/2 ⁺	0.87	0.66	2169.85	3.68	8.29	100.00	0.00	0.00	2.45	> 100	5.82	13.43	6.89	10 ^{12.65}
198	311	1/2 ⁻		0.87	0.64	2174.57	4.72	8.40	100.00	0.00	0.00	3.11	7.6629	5.86	13.73	6.70	10 ^{13.24}
199	312	1/2 ⁻	9/2 ⁺	0.87	0.62	2178.18	3.61	8.33	100.00	0.00	0.00	4.46	7.9543	6.12	14.05	6.54	10 ^{14.47}
200	313	11/2 ⁺		0.87	0.60	2182.73	4.56	8.16	100.00	0.00	0.00	3.45	6.5919	6.11	14.32	6.40	10 ^{14.86}
201	314	11/2 ⁺	9/2 ⁺	0.87	0.59	2186.10	3.36	7.92	100.00	0.00	0.00	4.97	5.4979	6.37	14.62	6.32	10 ^{15.64}
202	315	11/2 ⁺		0.87	0.59	2190.42	4.32	7.68	99.01	0.99	0.00	4.01	3.4432	6.46	15.07	6.29	10 ^{15.50}
203	316	3/2 ⁺	11/2 ⁺	0.87	0.59	2193.30	2.88	7.20	80.39	19.61	0.00	5.70	7.5254	6.66	15.24	6.47	10 ^{14.80}
204	317	3/2 ⁺		0.87	0.59	2197.21	3.91	6.79	70.57	29.43	0.00	4.76	4.1914	6.78	15.48	6.43	10 ^{14.69}
205	318	3/2 ⁺	7/2 ⁻	0.86	0.60	2199.85	2.64	6.55	75.18	24.82	0.00	6.21	1.5924	6.90	15.60	6.50	10 ^{14.67}
206	319	3/2 ⁺		0.86	0.60	2203.56	3.70	6.35	46.78	53.22	0.00	5.26	2.1566	6.89	15.89	6.47	10 ^{14.50}
207	320	3/2 ⁺	9/2 ⁻	0.85	0.60	2206.27	2.71	6.41	66.81	33.19	0.00	6.36	0.9946	7.17	16.18	6.28	10 ^{15.86}
208	321	3/2 ⁺		0.85	0.60	2209.89	3.62	6.34	50.60	49.40	0.00	5.43	1.5460	7.16	16.46	6.07	10 ^{16.77}
209	322	3/2 ⁺	1/2 ⁻	0.85	0.60	2212.52	2.63	6.25	70.96	29.04	0.00	6.69	0.7396	7.43	16.75	5.86	10 ^{18.39}
210	323	3/2 ⁺		0.85	0.59	2216.06	3.54	6.17	34.55	65.45	0.00	5.77	0.8805	7.41	16.99	5.67	10 ^{19.29}
211	324	3/2 ⁺	3/2 ⁻	0.84	0.56	2218.70	2.65	6.18	62.12	37.48	0.40	6.93	0.5294	7.73	17.40	5.36	> 10 ²⁰
212	325	13/2 ⁺		0.80	0.66	2221.53	2.82	5.47	0.71	99.29	0.00	6.79	0.1505	7.76	17.08	5.83	10 ^{18.24}
213	326	13/2 ⁺	3/2 ⁺	0.79	0.65	2223.90	2.37	5.20	0.06	53.11	46.83	7.70	0.3432	8.03	17.47	5.70	10 ^{19.41}
214	327	13/2 ⁺		0.78	0.64	2227.41	3.51	5.88	0.38	99.26	0.37	6.59	0.2675	8.15	18.36	5.33	> 10 ²⁰
215	328	13/2 ⁺	1/2 ⁻	0.78	0.63	2229.72	2.31	5.82	5.79	43.35	50.87	8.08	0.2089	8.53	18.80	5.01	> 10 ²⁰
216	329	13/2 ⁺		0.78	0.63	2232.90	3.18	5.49	0.44	98.90	0.65	7.20	0.1322	8.63	19.16	4.45	> 10 ²⁰
217	330	13/2 ⁺	1/2 ⁻	0.77	0.64	2234.81	1.91	5.09	4.53	14.17	81.31	8.63	0.1183	8.82	19.66	4.40	> 10 ²⁰
218	331	13/2 ⁺		0.76	0.63	2237.78	2.97	4.89	0.82	74.19	24.99	7.65	0.0842	8.96	20.33	4.25	> 10 ²⁰
219	332	1/2 ⁻	11/2 ⁻	0.76	0.62	2239.60	1.82	4.79	2.67	24.34	72.99	9.15	0.0526	9.40	20.69	3.84	> 10 ²⁰
220	333	1/2 ⁻		0.75	0.60	2242.55	2.94	4.76	3.83	13.17	83.00	8.05	0.0554	9.44	21.10	3.20	> 10 ²⁰
221	334	1/2 ⁻	15/2 ⁺	0.75	0.62	2244.50	1.95	4.90	3.74	0.36	95.89	9.46	0.0505	9.86	21.54	2.71	> 10 ²⁰
222	335	7/2 ⁻		0.75	0.60	2247.45	2.95	4.90	1.51	8.42	90.04	8.44	0.0394	9.93	21.91	2.30	> 10 ²⁰
223	336	7/2 ⁻	11/2 ⁻	0.76	0.64	2249.39	1.94	4.89	0.53	1.79	97.68	9.96	0.0304	10.44	22.50	1.87	> 10 ²⁰
224	337	7/2 ⁻		0.76	0.60	2252.48	3.09	5.03				8.95		10.44	23.02	1.35	> 10 ²⁰
225	338	7/2 ⁻	11/2 ⁻	0.76	0.54	2254.52	2.05	5.14				10.53		10.78	23.47	0.65	> 10 ²⁰
226	339	7/2 ⁻		0.76	0.51	2257.99	3.46	5.51				9.16		10.76	23.80	-0.24	
Z = 114																	
155	269		7/2 ⁺	0.82	0.74	1917.27						9.08	0.2989	-0.65	-2.41	13.60	10 ^{-6.83}
156	270			0.80	0.75	1926.86	9.59					7.40	0.4251	-0.27	-1.95	13.41	10 ^{-7.57}
157	271		11/2 ⁻	0.79	0.75	1934.78	7.92	17.51				8.54	0.6397	-0.26	-1.58	13.19	10 ^{-6.09}
158	272			0.78	0.73	1944.17	9.39	17.31				6.95	0.8309	0.07	-1.18	12.93	10 ^{-6.66}
159	273		1/2 ⁺	0.77	0.72	1951.96	7.79	17.18				8.04	1.2040	0.06	-0.86	12.69	10 ^{-5.11}
160	274			0.76	0.70	1961.16	9.20	16.99				6.39	1.7045	0.38	-0.49	12.48	10 ^{-5.76}
161	275		3/2 ⁺	0.77	0.69	1968.66	7.50	16.70				7.43	2.1204	0.33	-0.19	12.45	10 ^{-4.62}
162	276			0.75	0.69	1977.62	8.96	16.46				5.64	4.2978	0.74	0.19	12.33	10 ^{-5.44}
163	277		13/2 ⁻	0.75	0.69	1984.82	7.20	16.16				6.40	5.1755	0.78	0.67	12.33	10 ^{-4.37}
164	278			0.74	0.69	1993.09	8.27	15.47				4.45	7.3882	1.09	1.10	12.64	10 ^{-6.08}
165	279		5/2 ⁺	0.67	0.72	2000.40	7.31	15.58				4.50	> 100	2.08	2.33	12.04	10 ^{-3.77}
166	280			0.68	0.70	2008.67	8.27	15.58				3.40	> 100	2.99	3.46	11.61	10 ^{-3.88}
167	281		1/2 ⁺	0.68	0.69	2015.43	6.75	15.03				4.44	> 100	2.57	4.14	10.94	10 ^{-1.20}
168	282			0.68	0.68	2023.50	8.08	14.83				2.91	> 100	2.86	4.56	10.01	10 ^{0.23}
169	283		3/2 ⁺	0.68	0.67	2030.02	6.51	14.59				3.88	> 100	2.82	4.85	9.57	10 ^{2.58}
170	284			0.69	0.66	2037.81	7.79	14.30				2.36	> 100	3.13	5.13	9.44	10 ^{1.93}
171	285		3/2 ⁺	0.68	0.65	2044.12	6.31	14.10				3.28	> 100	3.17	5.45	9.34	10 ^{3.30}
172	286			0.69	0.64	2051.59	7.47	13.78				1.85	> 100	3.41	5.71	9.39	10 ^{2.08}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 114																	
173	287		3/2 ⁺	0.68	0.63	2057.65	6.07	13.54				2.76	> 100	3.43	6.05	9.31	10 ^{3.39}
174	288			0.70	0.62	2065.01	7.35	13.42				1.18	> 100	3.82	6.45	9.16	10 ^{2.80}
175	289		5/2 ⁺	0.67	0.62	2071.04	6.03	13.38				2.08	> 100	4.07	7.00	8.87	10 ^{4.86}
176	290			0.69	0.62	2078.35	7.32	13.35				0.24	> 100	4.46	7.66	8.50	10 ^{5.08}
177	291		1/2 ⁺	0.68	0.61	2083.89	5.53	12.85				1.42	> 100	4.51	7.92	8.45	10 ^{6.35}
178	292			0.71	0.60	2090.75	6.86	12.39				...	β -stable	4.65	8.11	8.25	10 ^{6.02}
179	293		1/2 ⁺	0.74	0.58	2096.02	5.28	12.13				0.50	> 100	4.66	8.41	8.24	10 ^{7.11}
180	294			0.74	0.56	2102.31	6.29	11.57				...	β -stable	5.01	8.71	8.62	10 ^{4.65}
181	295		3/2 ⁺	0.74	0.55	2107.28	4.96	11.25				...	β -stable	5.02	8.98	8.64	10 ^{5.66}
182	296			0.74	0.55	2113.22	5.94	10.90				...	β -stable	5.38	9.30	8.68	10 ^{4.43}
183	297		1/2 ⁺	0.77	0.58	2117.73	4.51	10.46				...	β -stable	5.36	9.59	8.86	10 ^{4.89}
184	298			0.76	0.62	2123.30	5.57	10.08				...	β -stable	5.67	9.91	8.91	10 ^{3.63}
185	299		11/2 ⁻	0.76	0.65	2126.66	3.36	8.93	100.00	0.00	0.00	0.39	> 100	5.67	10.04	9.78	10 ^{1.94}
186	300			0.76	0.67	2132.18	5.52	8.88				...	β -stable	5.99	10.56	9.51	10 ^{1.69}
187	301		1/2 ⁻	0.76	0.70	2135.28	3.10	8.62	100.00	0.00	0.00	0.99	> 100	5.99	10.82	9.64	10 ^{2.38}
188	302			0.76	0.74	2140.40	5.12	8.23				...	β -stable	6.31	11.21	9.51	10 ^{1.70}
189	303		5/2	0.76	0.78	2143.44	3.04	8.16	100.00	0.00	0.00	1.39	> 100	6.21	11.42	9.31	10 ^{3.39}
190	304			0.76	0.81	2148.41	4.97	8.00				...	β -stable	6.63	11.84	9.08	10 ^{3.06}
191	305		9/2 ⁻	0.76	0.84	2151.37	2.97	7.93	100.00	0.00	0.00	1.82	> 100	6.41	11.86	8.95	10 ^{4.59}
192	306			0.76	0.87	2156.25	4.88	7.85	100.00	0.00	0.00	0.21	> 100	6.81	12.26	8.60	10 ^{4.71}
193	307		7/2 ⁻	0.75	0.89	2159.15	2.89	7.78	100.00	0.00	0.00	2.21	> 100	6.91	12.19	8.66	10 ^{5.58}
194	308			0.75	0.91	2163.95	4.80	7.70	100.00	0.00	0.00	0.72	> 100	6.90	13.11	8.34	10 ^{5.67}
195	309		5/2 ⁻	0.75	0.92	2166.78	2.83	7.63	100.00	0.00	0.00	2.66	> 100	5.21	11.02	8.48	10 ^{6.24}
196	310			0.75	0.94	2171.52	4.74	7.57	100.00	0.00	0.00	2.77	> 100	5.35	10.89	7.62	10 ^{8.59}
197	311		9/2 ⁺	0.86	0.66	2176.89	5.38	10.12	100.00	0.00	0.00	2.16	> 100	7.04	12.86	7.16	10 ^{11.73}
198	312			0.87	0.64	2181.85	4.96	10.34	100.00	0.00	0.00	1.10	> 100	7.28	13.14	7.08	10 ^{11.05}
199	313		9/2 ⁺	0.87	0.62	2185.40	3.55	8.51	100.00	0.00	0.00	2.48	> 100	7.22	13.35	6.93	10 ^{12.83}
200	314			0.88	0.60	2190.29	4.89	8.44	100.00	0.00	0.00	1.39	96.2076	7.55	13.66	6.72	10 ^{12.80}
201	315		9/2 ⁺	0.88	0.59	2193.65	3.36	8.24	100.00	0.00	0.00	2.86	66.1639	7.55	13.91	6.70	10 ^{13.97}
202	316			0.88	0.59	2198.22	4.57	7.93	100.00	0.00	0.00	1.96	18.8156	7.80	14.26	6.71	10 ^{12.90}
203	317		11/2 ⁺	0.88	0.59	2201.19	2.97	7.54	100.00	0.00	0.00	3.56	17.3500	7.89	14.56	6.84	10 ^{13.28}
204	318			0.88	0.59	2205.28	4.09	7.06	100.00	0.00	0.00	2.72	6.8081	8.07	14.85	6.97	10 ^{11.54}
205	319		7/2 ⁻	0.88	0.59	2208.03	2.75	6.84	100.00	0.00	0.00	4.08	2.4722	8.18	15.08	6.90	10 ^{12.98}
206	320			0.88	0.60	2211.85	3.82	6.57	99.93	0.07	0.00	3.27	3.0615	8.29	15.19	6.88	10 ^{12.03}
207	321		9/2 ⁻	0.87	0.60	2214.54	2.69	6.51	99.82	0.18	0.00	4.40	1.2168	8.27	15.44	6.70	10 ^{13.97}
208	322			0.87	0.60	2218.43	3.89	6.58	99.65	0.35	0.00	3.46	1.9697	8.53	15.70	6.53	10 ^{13.83}
209	323		1/2 ⁻	0.86	0.60	2221.04	2.61	6.50	99.71	0.29	0.00	4.54	1.0707	8.52	15.94	6.35	10 ^{15.88}
210	324			0.86	0.59	2224.86	3.82	6.43	98.49	1.51	0.00	3.75	1.1787	8.80	16.21	6.16	10 ^{15.90}
211	325		3/2 ⁻	0.87	0.56	2227.54	2.68	6.50	99.55	0.45	0.00	4.86	0.7159	8.83	16.56	5.86	10 ^{18.87}
212	326			0.80	0.65	2230.82	3.28	5.96	59.20	40.80	0.00	4.34	0.6771	9.29	17.05	6.12	10 ^{16.14}
213	327		11/2 ⁺	0.79	0.64	2233.21	2.39	5.68	43.81	56.19	0.00	5.75	0.7359	9.31	17.34	6.06	10 ^{17.60}
214	328			0.78	0.64	2237.01	3.80	6.20	37.48	62.52	0.00	4.51	0.7934	9.60	17.76	5.05	> 10 ²⁰
215	329		1/2 ⁻	0.78	0.63	2239.32	2.30	6.10	34.06	65.94	0.00	5.94	0.6827	9.60	18.14	4.85	> 10 ²⁰
216	330			0.76	0.64	2242.66	3.34	5.64	12.85	87.15	0.00	5.07	0.3989	9.76	18.39	4.89	> 10 ²⁰
217	331		9/2 ⁻	0.75	0.64	2244.65	1.99	5.33	13.74	86.23	0.04	6.67	0.2266	9.84	18.66	4.83	> 10 ²⁰
218	332			0.74	0.64	2247.97	3.32	5.31	1.34	98.66	0.00	5.67	0.1774	10.18	19.14	4.60	> 10 ²⁰
219	333		11/2 ⁻	0.73	0.62	2249.82	1.85	5.17	10.90	88.97	0.13	7.14	0.1026	10.22	19.61	4.47	> 10 ²⁰
220	334			0.74	0.60	2253.17	3.36	5.21	1.66	98.32	0.02	6.06	0.1117	10.63	20.07	3.95	> 10 ²⁰
221	335		15/2 ⁺	0.73	0.62	2255.10	1.93	5.28	1.31	98.36	0.33	7.51	0.0898	10.60	20.47	3.40	> 10 ²⁰
222	336			0.75	0.71	2258.56	3.46	5.39	0.26	99.74	0.00	6.28	0.0416	11.11	21.05	2.84	> 10 ²⁰
223	337		13/2 ⁻	0.75	0.64	2260.65	2.09	5.55	3.64	96.36	0.01	7.68	0.0440	11.27	21.70	2.28	> 10 ²⁰
224	338			0.76	0.62	2264.28	3.63	5.72				6.51		11.80	22.24	1.53	> 10 ²⁰
225	339		15/2 ⁺	0.76	0.56	2266.36	2.09	5.72				7.86		11.84	22.62	0.88	> 10 ²⁰
Z = 115																	
157	272	7/2 ⁻	11/2 ⁻	0.78	0.76	1932.79						10.59	0.5073	-1.98	-2.24	13.42	10 ^{-6.21}
158	273	7/2 ⁻		0.77	0.75	1942.22	9.43					8.95	0.5945	-1.94	-1.87	13.20	10 ^{-6.14}
159	274	1/2 ⁻	1/2 ⁺	0.77	0.73	1950.31	8.09	17.52				10.07	0.9171	-1.65	-1.59	13.02	10 ^{-5.45}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 115																	
160	275	1/2 ⁻		0.77	0.72	1959.55	9.24	17.33				8.33	1.3249	-1.61	-1.23	12.84	10 ^{-5.45}
161	276	1/2 ⁻	3/2 ⁺	0.78	0.69	1967.44	7.89	17.12				9.40	1.5675	-1.23	-0.90	12.76	10 ^{-4.94}
162	277	1/2 ⁻		0.77	0.69	1976.43	8.99	16.88				7.61	2.7213	-1.19	-0.45	12.65	10 ^{-5.05}
163	278	1/2 ⁻	13/2 ⁻	0.77	0.69	1983.96	7.53	16.52				8.35	3.4791	-0.86	-0.09	12.67	10 ^{-4.76}
164	279	1/2 ⁻		0.73	0.73	1992.90	8.94	16.47				6.71	15.6165	-0.19	0.90	12.27	10 ^{-4.28}
165	280	1/2 ⁻	1/2 ⁺	0.73	0.71	2000.33	7.43	16.37				7.56	43.7905	-0.07	2.01	12.01	10 ^{-3.37}
166	281	1/2 ⁻		0.73	0.70	2008.72	8.39	15.82				5.92	67.1163	0.05	3.04	11.57	10 ^{-2.73}
167	282	1/2 ⁻	1/2 ⁺	0.73	0.69	2015.82	7.10	15.49				6.90	> 100	0.40	2.97	10.80	10 ^{-0.49}
168	283	1/2 ⁻		0.73	0.68	2023.91	8.09	15.19				5.32	> 100	0.41	3.27	10.07	10 ^{1.15}
169	284	1/2 ⁻	3/2 ⁺	0.72	0.66	2030.81	6.90	14.99				6.21	> 100	0.80	3.62	10.34	10 ^{0.73}
170	285	1/2 ⁻		0.72	0.65	2038.62	7.81	14.71				4.72	> 100	0.81	3.94	10.32	10 ^{0.43}
171	286	1/2 ⁻	3/2 ⁺	0.71	0.64	2045.25	6.64	14.44				5.55	> 100	1.14	4.30	10.24	10 ^{1.01}
172	287	5/2 ⁻		0.74	0.64	2052.72	7.47	14.10				4.15	> 100	1.13	4.54	10.25	10 ^{0.63}
173	288	5/2 ⁻	3/2 ⁺	0.73	0.63	2059.12	6.40	13.87				5.11	> 100	1.47	4.90	10.12	10 ^{1.33}
174	289	1/2 ⁻		0.71	0.62	2066.45	7.32	13.73				3.81	> 100	1.44	5.25	10.03	10 ^{1.26}
175	290	5/2 ⁻	5/2 ⁺	0.73	0.61	2072.59	6.15	13.47				4.98	> 100	1.56	5.62	9.92	10 ^{1.90}
176	291	5/2 ⁻		0.72	0.61	2079.83	7.23	13.38				3.28	> 100	1.47	5.93	9.66	10 ^{2.34}
177	292	5/2 ⁻	1/2 ⁺	0.72	0.60	2085.73	5.90	13.13				4.24	> 100	1.84	6.35	9.54	10 ^{3.06}
178	293	5/2 ⁻		0.72	0.59	2092.72	6.99	12.89				2.52	> 100	1.97	6.62	9.47	10 ^{2.92}
179	294	5/2 ⁻	1/2 ⁺	0.71	0.58	2098.43	5.72	12.71				3.10	> 100	2.41	7.07	9.24	10 ^{4.01}
180	295	5/2 ⁻		0.71	0.56	2104.74	6.31	12.02				1.75	> 100	2.43	7.44	9.65	10 ^{2.38}
181	296	5/2 ⁻	3/2 ⁺	0.71	0.55	2109.98	5.24	11.54				2.46	> 100	2.70	7.72	9.68	10 ^{2.62}
182	297	5/2 ⁻		0.71	0.55	2115.86	5.89	11.12				1.09	> 100	2.65	8.02	9.73	10 ^{2.12}
183	298	5/2 ⁻	1/2 ⁺	0.71	0.58	2120.69	4.83	10.71				1.83	> 100	2.96	8.32	9.86	10 ^{2.10}
184	299	5/2 ⁻		0.71	0.62	2126.27	5.58	10.40				...	β -stable	2.97	8.64	9.87	10 ^{1.72}
185	300	5/2 ⁻	11/2 ⁻	0.71	0.65	2129.94	3.67	9.25	100.00	0.00	0.00	...	β -stable	3.28	8.95	10.72	10 ^{-0.30}
186	301	5/2 ⁻		0.71	0.67	2135.48	5.54	9.21				...	β -stable	3.30	9.29	10.44	10 ^{0.10}
187	302	1/2	3/2	0.71	0.70	2138.92	3.44	8.98	100.00	0.00	0.00	...	β -stable	3.64	9.63	10.36	10 ^{0.66}
188	303	5/2 ⁻		0.71	0.74	2144.05	5.14	8.57				...	β -stable	3.65	9.96	10.43	10 ^{0.14}
189	304	1/2	5/2	0.71	0.77	2147.42	3.36	8.50	100.00	0.00	0.00	...	β -stable	3.98	10.19	10.17	10 ^{1.20}
190	305	5/2 ⁻		0.70	0.81	2152.40	4.99	8.35	100.00	0.00	0.00	0.33	> 100	4.00	10.63	9.98	10 ^{1.39}
191	306	5/2 ⁻	7/2 ⁻	0.70	0.84	2155.68	3.28	8.26	100.00	0.00	0.00	2.35	> 100	4.31	10.72	9.84	10 ^{2.14}
192	307	5/2 ⁻		0.70	0.86	2160.58	4.90	8.17	100.00	0.00	0.00	0.82	> 100	4.32	11.13	9.50	10 ^{2.85}
193	308	1/2	9/2	0.70	0.85	2163.89	3.31	8.21	100.00	0.00	0.00	2.58	> 100	4.74	11.66	9.37	10 ^{3.59}
194	309	1/2		0.70	0.90	2168.65	4.76	8.08	100.00	0.00	0.00	1.32	> 100	4.70	11.60	9.09	10 ^{4.18}
195	310	1/2 ⁻	3/2 ⁻	0.72	0.74	2173.50	4.85	9.61	100.00	0.00	0.00	1.42	> 100	6.72	11.94	7.02	10 ^{12.84}
196	311	1/2 ⁻		0.73	0.72	2178.27	4.77	9.62	100.00	0.00	0.00	1.68	> 100	6.76	12.11	7.07	10 ^{12.25}
197	312	3/2 ⁻	9/2 ⁺	0.86	0.66	2182.17	3.89	8.66	100.00	0.00	0.00	3.06	87.2035	5.27	12.31	7.69	10 ^{9.77}
198	313	3/2 ⁻		0.86	0.64	2187.10	4.93	8.83	100.00	0.00	0.00	1.81	72.8185	5.25	12.53	7.36	10 ^{10.90}
199	314	3/2 ⁻	1/2 ⁺	0.87	0.62	2190.90	3.79	8.73	100.00	0.00	0.00	3.59	31.1837	5.49	12.72	7.25	10 ^{11.74}
200	315	3/2 ⁻		0.87	0.60	2195.73	4.83	8.62	100.00	0.00	0.00	2.59	19.7228	5.44	12.99	7.14	10 ^{11.93}
201	316	11/2 ⁺	15/2 ⁻	0.88	0.59	2199.39	3.66	8.50	100.00	0.00	0.00	4.00	17.4782	5.75	13.29	7.08	10 ^{12.55}
202	317	1/2 ⁻		0.88	0.58	2203.97	4.57	8.24	100.00	0.00	0.00	3.08	7.2330	5.75	13.55	7.06	10 ^{12.30}
203	318	11/2 ⁺	11/2 ⁺	0.89	0.59	2207.21	3.24	7.82	100.00	0.00	0.00	4.72	10.8782	6.02	13.91	7.18	10 ^{12.07}
204	319	1/2 ⁻		0.89	0.58	2211.33	4.12	7.36	98.88	1.12	0.00	3.85	3.8199	6.05	14.12	7.39	10 ^{10.79}
205	320	1/2 ⁻	7/2 ⁻	0.88	0.58	2214.33	3.01	7.12	97.99	2.01	0.00	5.25	2.3341	6.30	14.48	7.26	10 ^{11.71}
206	321	1/2 ⁻		0.89	0.59	2218.16	3.82	6.83	86.44	13.56	0.00	4.36	2.3550	6.31	14.60	7.35	10 ^{10.96}
207	322	1/2 ⁻	9/2 ⁻	0.88	0.59	2221.10	2.94	6.77	88.08	11.92	0.00	5.61	1.4342	6.56	14.83	7.05	10 ^{12.72}
208	323	1/2 ⁻		0.88	0.60	2224.80	3.70	6.64	71.95	28.05	0.00	4.74	1.4132	6.37	14.91	7.05	10 ^{12.36}
209	324	3/2 ⁻	1/2 ⁻	0.88	0.58	2227.82	3.02	6.72	90.65	9.35	0.00	5.85	0.9416	6.78	15.30	6.74	10 ^{14.27}
210	325	7/2 ⁻		0.77	0.66	2231.61	3.79	6.81	17.09	82.91	0.00	5.05	2.6313	6.76	15.56	6.57	10 ^{14.81}
211	326	7/2 ⁻	9/2 ⁻	0.76	0.66	2234.38	2.76	6.55	49.81	50.19	0.00	6.34	1.0867	6.84	15.67	6.44	10 ^{15.89}
212	327	7/2 ⁻		0.76	0.66	2238.18	3.81	6.57	6.18	93.82	0.00	5.34	1.6930	7.36	16.66	6.17	10 ^{17.11}
213	328	7/2 ⁻	11/2 ⁺	0.75	0.66	2240.75	2.56	6.37	6.22	93.78	0.00	6.59	3.2383	7.53	16.84	6.26	10 ^{16.95}
214	329	7/2 ⁻		0.75	0.65	2244.48	3.73	6.30	2.54	97.46	0.00	5.54	1.2560	7.46	17.07	5.35	> 10 ²⁰
215	330	7/2 ⁻	13/2 ⁺	0.75	0.65	2246.94	2.46	6.20	2.51	97.47	0.01	7.03	1.4361	7.62	17.23	5.25	> 10 ²⁰
216	331	7/2 ⁻		0.74	0.66	2250.54	3.60	6.06	1.67	98.33	0.00	5.97	0.6978	7.88	17.64	5.17	> 10 ²⁰

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 115																	
217	332	7/2 ⁻	9/2 ⁻	0.73	0.65	2252.85	2.31	5.91	10.10	83.77	6.14	7.36	0.5564	8.20	18.04	5.16	$> 10^{20}$
218	333	7/2 ⁻		0.72	0.64	2256.17	3.33	5.64	2.07	97.93	0.00	6.33	0.3399	8.21	18.39	5.02	$> 10^{20}$
219	334	7/2 ⁻	11/2 ⁻	0.72	0.63	2258.45	2.28	5.60	2.97	47.66	49.37	7.86	0.1658	8.64	18.85	4.65	$> 10^{20}$
220	335	7/2 ⁻		0.72	0.61	2261.83	3.38	5.66	2.58	97.37	0.05	6.81	0.1818	8.66	19.29	4.24	$> 10^{20}$
221	336	1/2 ⁻	15/2 ⁺	0.71	0.62	2264.06	2.23	5.61	4.15	12.89	82.96	8.24	0.1342	8.96	19.56	3.84	$> 10^{20}$
222	337	1/2 ⁻		0.71	0.63	2267.55	3.49	5.72	2.08	97.90	0.02	7.02	0.1130	8.99	20.10	3.29	$> 10^{20}$
223	338	1/2 ⁻	13/2 ⁻	0.71	0.64	2270.00	2.45	5.94				8.20		9.35	20.62	2.79	$> 10^{20}$
224	339	1/2 ⁻		0.72	0.60	2273.44	3.43	5.89				7.39		9.16	20.96	2.30	$> 10^{20}$
Z = 116																	
159	275		1/2 ⁺	0.80	0.73	1949.61						9.15	0.4278	-0.70	-2.35	13.46	$10^{-6.08}$
160	276			0.79	0.71	1959.18	9.56					7.48	0.5905	-0.37	-1.99	13.29	$10^{-6.83}$
161	277		3/2 ⁺	0.78	0.70	1967.09	7.92	17.48				8.56	0.6533	-0.34	-1.57	13.16	$10^{-5.52}$
162	278			0.78	0.69	1976.42	9.32	17.24				6.76	1.0370	-0.01	-1.20	13.04	$10^{-6.35}$
163	279		13/2 ⁻	0.78	0.69	1983.96	7.55	16.87				8.16	0.9085	0.00	-0.86	13.00	$10^{-5.20}$
164	280			0.69	0.73	1993.49	9.53	17.08				6.05	9.2447	0.59	0.41	12.42	$10^{-5.10}$
165	281		1/2 ⁺	0.69	0.72	2000.95	7.46	16.99				6.99	19.4652	0.62	0.55	12.16	$10^{-3.48}$
166	282			0.70	0.70	2009.72	8.77	16.23				5.32	29.4324	1.00	1.05	11.66	$10^{-3.43}$
167	283		1/2 ⁺	0.70	0.69	2016.89	7.17	15.94				6.24	61.5706	1.07	1.46	11.81	$10^{-2.68}$
168	284			0.70	0.67	2025.37	8.48	15.65				4.66	88.0432	1.45	1.86	11.60	$10^{-3.28}$
169	285		3/2 ⁺	0.70	0.66	2032.27	6.91	15.38				5.56	> 100	1.46	2.26	11.45	$10^{-1.86}$
170	286			0.70	0.64	2040.38	8.11	15.02				4.09	> 100	1.76	2.58	11.42	$10^{-2.85}$
171	287		3/2 ⁺	0.69	0.63	2047.01	6.63	14.74				4.93	> 100	1.75	2.89	11.30	$10^{-1.50}$
172	288			0.71	0.64	2054.78	7.77	14.40				3.56	88.1885	2.06	3.19	11.32	$10^{-2.61}$
173	289		5/2 ⁺	0.68	0.61	2061.14	6.36	14.14				4.52	> 100	2.02	3.49	11.27	$10^{-1.42}$
174	290			0.68	0.61	2068.76	7.62	13.98				3.05	> 100	2.32	3.75	11.12	$10^{-2.12}$
175	291		1/2 ⁺	0.67	0.60	2074.84	6.08	13.70				4.20	> 100	2.24	3.80	11.11	$10^{-1.03}$
176	292			0.69	0.60	2082.48	7.64	13.72				2.46	> 100	2.65	4.12	10.82	$10^{-1.37}$
177	293		1/2 ⁺	0.69	0.60	2088.40	5.92	13.56				3.54	> 100	2.67	4.51	10.94	$10^{-0.59}$
178	294			0.67	0.59	2095.68	7.28	13.20				1.97	> 100	2.96	4.93	10.97	$10^{-1.75}$
179	295		1/2 ⁺	0.66	0.58	2101.34	5.66	12.94				2.62	> 100	2.91	5.32	10.84	$10^{-0.35}$
180	296			0.66	0.56	2107.94	6.59	12.26				1.26	> 100	3.19	5.62	11.10	$10^{-2.08}$
181	297		3/2 ⁺	0.66	0.55	2113.16	5.22	11.82				1.92	> 100	3.18	5.88	11.16	$10^{-1.15}$
182	298			0.66	0.55	2119.39	6.23	11.45				0.52	> 100	3.53	6.17	11.22	$10^{-2.37}$
183	299		1/2 ⁺	0.66	0.58	2124.22	4.83	11.06				1.26	> 100	3.53	6.49	11.35	$10^{-1.62}$
184	300			0.66	0.62	2130.10	5.88	10.72				...	β -stable	3.84	6.81	11.41	$10^{-2.82}$
185	301		1/2	0.66	0.65	2134.01	3.91	9.79				0.68	> 100	4.08	7.36	12.01	$10^{-3.15}$
186	302			0.66	0.67	2139.65	5.63	9.54				...	β -stable	4.17	7.47	11.95	$10^{-4.06}$
187	303		3/2	0.66	0.70	2143.11	3.46	9.10				0.16	> 100	4.20	7.84	11.84	$10^{-2.76}$
188	304			0.66	0.74	2148.56	5.44	8.91				...	β -stable	4.51	8.16	11.91	$10^{-3.99}$
189	305		5/2	0.66	0.77	2151.96	3.40	8.84				...	β -stable	4.54	8.52	11.62	$10^{-2.25}$
190	306			0.66	0.81	2157.24	5.29	8.69				...	β -stable	4.84	8.84	11.45	$10^{-2.93}$
191	307		7/2	0.67	0.81	2160.62	3.37	8.66	100.00	0.00	0.00	0.34	> 100	4.94	9.25	11.12	$10^{-1.05}$
192	308			0.77	0.68	2165.69	5.07	8.45				...	β -stable	5.11	9.44	11.01	$10^{-1.84}$
193	309		9/2	0.69	0.81	2169.19	3.50	8.58	100.00	0.00	0.00	2.22	> 100	5.30	10.05	10.47	$10^{0.63}$
194	310			0.65	0.90	2174.14	4.95	8.45				...	β -stable	5.49	10.19	10.41	$10^{-0.26}$
195	311		1/2	0.75	0.69	2179.17	5.03	9.98				...	β -stable	5.67	12.40	8.27	$10^{7.77}$
196	312			0.74	0.71	2184.44	5.27	10.30				...	β -stable	6.17	12.93	7.80	$10^{8.58}$
197	313		5/2 ⁻	0.74	0.71	2188.13	3.69	8.96	100.00	0.00	0.00	0.94	> 100	5.96	11.24	6.94	$10^{13.61}$
198	314			0.86	0.64	2193.71	5.58	9.26				...	β -stable	6.61	11.85	6.11	$10^{17.19}$
199	315		1/2 ⁺	0.86	0.62	2197.54	3.83	9.41	100.00	0.00	0.00	1.55	> 100	6.64	12.14	7.65	$10^{10.30}$
200	316			0.86	0.61	2202.61	5.07	8.90	100.00	0.00	0.00	0.53	> 100	6.88	12.32	7.54	$10^{9.74}$
201	317		15/2 ⁻	0.88	0.60	2206.27	3.66	8.73	100.00	0.00	0.00	1.96	> 100	6.88	12.62	7.43	$10^{11.29}$
202	318			0.88	0.59	2211.14	4.88	8.53	100.00	0.00	0.00	0.98	> 100	7.18	12.93	7.44	$10^{10.18}$
203	319		11/2 ⁺	0.89	0.59	2214.40	3.25	8.13	100.00	0.00	0.00	2.66	> 100	7.18	13.21	7.55	$10^{10.77}$
204	320			0.89	0.59	2218.80	4.41	7.66	100.00	0.00	0.00	1.74	95.1992	7.48	13.53	7.71	$10^{8.99}$
205	321		7/2 ⁻	0.89	0.59	2221.74	2.93	7.34	100.00	0.00	0.00	3.20	7.9718	7.40	13.71	7.75	$10^{9.88}$
206	322			0.89	0.59	2225.93	4.19	7.12	100.00	0.00	0.00	2.23	22.8259	7.77	14.08	7.64	$10^{9.26}$

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 116																	
207	323		9/2 ⁻	0.90	0.59	2228.76	2.84	7.03	100.00	0.00	0.00	3.57	3.3344	7.66	14.22	7.56	10 ^{10.70}
208	324			0.90	0.59	2232.89	4.13	6.96	100.00	0.00	0.00	2.56	7.2494	8.09	14.46	7.26	10 ^{11.03}
209	325		1/2 ⁻	0.89	0.57	2235.88	2.99	7.12	100.00	0.00	0.00	3.68	2.5989	8.06	14.84	6.95	10 ^{13.57}
210	326			0.89	0.56	2239.94	4.05	7.05	100.00	0.00	0.00	2.84	2.6592	8.32	15.08	6.79	10 ^{13.35}
211	327		3/2 ⁻	0.90	0.55	2242.74	2.81	6.86	100.00	0.00	0.00	4.05	1.5181	8.37	15.21	6.59	10 ^{15.45}
212	328			0.74	0.67	2246.55	3.81	6.62	99.99	0.01	0.00	3.30	5.3461	8.37	15.73	6.60	10 ^{14.36}
213	329		11/2 ⁺	0.74	0.66	2249.23	2.68	6.49	87.16	12.84	0.00	4.56	12.3614	8.49	16.02	6.60	10 ^{15.41}
214	330			0.74	0.66	2253.19	3.96	6.64	81.66	18.34	0.00	3.52	3.8340	8.71	16.17	5.93	10 ^{18.32}
215	331		13/2 ⁺	0.74	0.67	2255.73	2.54	6.50	71.93	28.07	0.00	4.91	6.6697	8.78	16.41	5.78	> 10 ²⁰
216	332			0.73	0.67	2259.43	3.70	6.24	43.64	56.36	0.00	4.05	1.2819	8.89	16.77	5.88	10 ^{18.61}
217	333		9/2 ⁻	0.72	0.67	2261.72	2.29	5.99	33.57	66.43	0.00	5.52	0.9618	8.87	17.07	5.89	10 ^{19.58}
218	334			0.71	0.65	2265.53	3.81	6.10	24.08	75.92	0.00	4.46	0.6666	9.35	17.56	5.43	> 10 ²⁰
219	335		11/2 ⁻	0.71	0.63	2267.86	2.33	6.14	19.85	80.15	0.00	5.95	0.4961	9.41	18.04	5.09	> 10 ²⁰
220	336			0.71	0.60	2271.52	3.66	5.99	12.56	87.44	0.00	4.91	0.3831	9.69	18.35	4.74	> 10 ²⁰
221	337		15/2 ⁺	0.71	0.62	2273.79	2.27	5.93	3.00	97.00	0.00	6.30	0.3157	9.73	18.69	4.32	> 10 ²⁰
222	338			0.70	0.61	2277.43	3.63	5.90	3.47	96.53	0.00	5.25	0.2422	9.88	18.86	4.05	> 10 ²⁰
223	339		13/2 ⁻	0.69	0.62	2280.04	2.62	6.25	36.31	63.69	0.00	6.28	0.1991	10.04	19.39	3.36	> 10 ²⁰
Z = 117																	
161	278	7/2 ⁻	3/2 ⁺	0.76	0.72	1965.12						10.51	0.4324	-1.97	-2.31	13.48	10 ^{-5.83}
162	279	3/2 ⁻		0.69	0.78	1974.83	9.70					8.35	2.1202	-1.59	-1.60	13.02	10 ^{-5.28}
163	280	7/2 ⁻	13/2 ⁻	0.75	0.70	1982.28	7.45	17.15				10.43	0.5495	-1.68	-1.68	13.45	10 ^{-5.77}
164	281	3/2 ⁻		0.69	0.74	1992.10	9.82	17.28				8.07	5.0791	-1.39	-0.80	12.62	10 ^{-4.48}
165	282	3/2 ⁻	1/2 ⁺	0.68	0.72	1999.95	7.84	17.67				8.99	12.7008	-1.00	-0.38	12.31	10 ^{-3.47}
166	283	3/2 ⁻		0.69	0.70	2008.70	8.76	16.60				7.40	14.0630	-1.02	-0.02	12.49	10 ^{-4.21}
167	284	3/2 ⁻	1/2 ⁺	0.69	0.69	2016.22	7.52	16.27				8.36	25.3718	-0.67	0.40	12.40	10 ^{-3.68}
168	285	3/2 ⁻		0.69	0.67	2024.73	8.50	16.02				6.76	43.6020	-0.64	0.81	12.29	10 ^{-3.77}
169	286	3/2 ⁻	3/2 ⁺	0.69	0.66	2031.94	7.21	15.71				7.66	47.7415	-0.34	1.12	12.18	10 ^{-3.20}
170	287	3/2 ⁻		0.69	0.64	2040.12	8.19	15.40				6.10	> 100	-0.26	1.50	12.09	10 ^{-3.32}
171	288	3/2 ⁻	3/2 ⁺	0.69	0.63	2047.09	6.97	15.16				6.91	> 100	0.08	1.84	12.02	10 ^{-2.83}
172	289	3/2 ⁻		0.68	0.62	2054.94	7.84	14.81				5.42	> 100	0.16	2.22	11.98	10 ^{-3.08}
173	290	3/2 ⁻	5/2 ⁺	0.68	0.62	2061.65	6.71	14.56				6.33	> 100	0.51	2.53	11.90	10 ^{-2.57}
174	291	3/2 ⁻		0.66	0.61	2069.30	7.65	14.36				4.76	> 100	0.53	2.85	11.72	10 ^{-2.50}
175	292	3/2 ⁻	1/2 ⁺	0.67	0.60	2075.72	6.42	14.07				5.98	> 100	0.88	3.12	11.70	10 ^{-2.11}
176	293	3/2 ⁻		0.69	0.60	2083.06	7.35	13.77				4.55	> 100	0.58	3.24	11.68	10 ^{-2.40}
177	294	3/2 ⁻	1/2 ⁺	0.69	0.61	2089.22	6.15	13.50				5.68	> 100	0.82	3.49	11.67	10 ^{-2.05}
178	295	3/2 ⁻		0.68	0.60	2096.54	7.33	13.48				4.02	> 100	0.87	3.83	11.58	10 ^{-2.16}
179	296	3/2 ⁻	1/2 ⁺	0.66	0.58	2102.66	6.12	13.45				4.49	> 100	1.32	4.23	11.36	10 ^{-1.30}
180	297	3/2 ⁻		0.66	0.56	2109.27	6.61	12.73				3.11	> 100	1.33	4.53	11.74	10 ^{-2.55}
181	298	3/2 ⁻	3/2 ⁺	0.66	0.55	2114.79	5.53	12.13				3.81	> 100	1.63	4.82	11.93	10 ^{-2.64}
182	299	1/2 ⁻		0.66	0.55	2121.02	6.22	11.75				2.42	> 100	1.63	5.15	12.02	10 ^{-3.18}
183	300	1/2 ⁻	1/2 ⁺	0.66	0.58	2126.14	5.12	11.34				3.18	> 100	1.92	5.45	12.13	10 ^{-3.09}
184	301	1/2 ⁻		0.65	0.62	2132.03	5.89	11.02				1.20	> 100	1.93	5.77	12.12	10 ^{-3.41}
185	302	5/2	1/2	0.66	0.65	2136.25	4.22	10.11				2.61	> 100	2.24	6.31	12.73	10 ^{-4.36}
186	303	1/2 ⁻		0.65	0.67	2141.92	5.66	9.88				0.41	> 100	2.27	6.44	12.65	10 ^{-4.52}
187	304	5/2	3/2	0.66	0.70	2145.71	3.79	9.46	100.00	0.00	0.00	±	±	2.60	6.79	12.52	10 ^{-3.93}
188	305	1/2 ⁻		0.65	0.74	2151.16	5.45	9.24				0.01	> 100	2.60	7.11	12.62	10 ^{-4.47}
189	306	1/2 ⁻	3/2 ⁻	0.65	0.78	2154.84	3.68	9.13	100.00	0.00	0.00	±	±	2.88	7.42	12.37	10 ^{-3.61}
190	307	5/2		0.65	0.81	2160.17	5.33	9.01				...	β -stable	2.93	7.77	12.18	10 ^{-3.52}
191	308	1/2	7/2	0.67	0.79	2163.93	3.75	9.09	100.00	0.00	0.00	±	±	3.31	8.24	11.79	10 ^{-2.31}
192	309	9/2 ⁺		0.74	0.65	2170.64	6.71	10.47				...	β -stable	4.95	10.06	10.06	10 ^{1.80}
193	310	1/2 ⁻	9/2 ⁻	0.65	0.88	2172.61	1.97	8.68	100.00	0.00	0.00	±	±	3.41	8.72	11.37	10 ^{-1.32}
194	311	1/2 ⁻		0.65	0.90	2177.78	5.18	7.15	100.00	0.00	0.00	±	±	3.64	9.13	11.09	10 ^{-0.97}
195	312	3/2	7/2	0.75	0.67	2183.28	5.50	10.67	100.00	0.00	0.00	±	±	4.11	9.78	8.90	10 ^{5.84}
196	313	1/2 ⁺		0.74	0.71	2188.29	5.01	10.51	100.00	0.00	0.00	5.24	0.1775	3.85	10.02	8.66	10 ^{6.38}
197	314	1/2 ⁺	1/2 ⁺	0.76	0.69	2192.01	3.72	8.73	99.47	0.53	0.00	±	±	3.88	9.85	9.78	10 ^{2.98}
198	315	11/2 ⁺		0.85	0.64	2198.31	6.29	10.02	99.91	0.09	0.00	4.99	0.2850	4.60	11.21	8.26	10 ^{7.88}
199	316	11/2 ⁺	1/2 ⁺	0.86	0.63	2202.35	4.04	10.34	99.90	0.10	0.00	2.76	> 100	4.82	11.46	8.11	10 ^{8.83}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 117																	
200	317	11/2 ⁺		0.86	0.61	2207.45	5.10	9.14	100.00	0.00	0.00	1.59	> 100	4.84	11.72	7.95	10 ^{9.14}
201	318	11/2 ⁺	15/2 ⁻	0.86	0.61	2211.34	3.89	8.98	100.00	0.00	0.00	3.09	67.0103	5.07	11.94	7.86	10 ^{9.87}
202	319	11/2 ⁺		0.88	0.59	2216.28	4.94	8.83	100.00	0.00	0.00	2.06	64.4817	5.14	12.31	7.74	10 ^{10.00}
203	320	11/2 ⁺	11/2 ⁺	0.88	0.59	2219.76	3.48	8.42	100.00	0.00	0.00	3.68	49.5453	5.36	12.55	7.93	10 ^{9.57}
204	321	11/2 ⁺		0.88	0.59	2224.16	4.40	7.88	100.00	0.00	0.00	2.89	25.6707	5.35	12.83	8.10	10 ^{8.50}
205	322	3/2 ⁻	7/2 ⁻	0.89	0.59	2227.38	3.22	7.62	100.00	0.00	0.00	4.36	7.5862	5.64	13.04	8.13	10 ^{8.74}
206	323	3/2 ⁻		0.89	0.59	2231.55	4.18	7.40	100.00	0.00	0.00	3.40	7.8077	5.63	13.40	8.07	10 ^{8.64}
207	324	3/2 ⁻	9/2 ⁻	0.90	0.59	2234.67	3.11	7.29	99.97	0.03	0.00	4.74	4.0645	5.91	13.57	7.96	10 ^{9.43}
208	325	3/2 ⁻		0.90	0.58	2238.78	4.11	7.22	98.67	1.33	0.00	3.77	4.2711	5.89	13.98	7.68	10 ^{10.30}
209	326	3/2 ⁻	1/2 ⁻	0.90	0.57	2242.00	3.22	7.33	99.55	0.45	0.00	4.92	2.1644	6.11	14.17	7.40	10 ^{11.89}
210	327	3/2 ⁻		0.90	0.56	2246.00	4.01	7.23	97.49	2.51	0.00	4.01	2.1155	6.07	14.39	7.09	10 ^{13.01}
211	328	3/2 ⁻	3/2 ⁻	0.90	0.55	2249.07	3.07	7.08	98.63	1.37	0.00	5.21	1.2672	6.33	14.70	7.04	10 ^{13.59}
212	329	3/2 ⁻		0.73	0.67	2253.01	3.93	7.01	99.83	0.17	0.00	5.69	0.2357	6.45	14.83	6.90	10 ^{13.98}
213	330	3/2 ⁻	11/2 ⁺	0.74	0.67	2255.93	2.92	6.85	6.34	93.66	0.00	7.09	0.2847	6.70	15.18	6.74	10 ^{15.13}
214	331	3/2 ⁻		0.72	0.67	2259.85	3.93	6.85	1.01	98.99	0.00	6.00	0.1435	6.67	15.38	6.62	10 ^{15.44}
215	332	3/2 ⁻	13/2 ⁺	0.72	0.67	2262.70	2.85	6.78	5.92	82.19	11.89	5.88	13.8370	6.97	15.76	6.34	10 ^{17.39}
216	333	3/2 ⁻		0.71	0.67	2266.46	3.76	6.60	3.50	96.50	0.00	4.93	2.7249	7.03	15.92	6.31	10 ^{17.18}
217	334	3/2 ⁻	9/2 ⁻	0.71	0.66	2269.21	2.75	6.51	51.03	48.97	0.00	6.17	3.2272	7.49	16.36	6.03	10 ^{19.26}
218	335	3/2 ⁻		0.71	0.64	2273.02	3.81	6.57	5.86	94.14	0.00	5.15	2.2045	7.50	16.85	5.81	> 10 ²⁰
219	336	3/2 ⁻	9/2 ⁻	0.71	0.62	2275.65	2.62	6.44	29.84	70.16	0.00	6.63	1.2948	7.79	17.19	5.50	> 10 ²⁰
220	337	3/2 ⁻		0.71	0.59	2279.31	3.66	6.29	7.95	92.05	0.00	5.61	1.0055	7.79	17.48	5.16	> 10 ²⁰
221	338	3/2 ⁻	15/2 ⁺	0.70	0.62	2281.90	2.58	6.25	5.63	94.37	0.00	7.00	0.6980	8.11	17.83	4.85	> 10 ²⁰
222	339	3/2 ⁻		0.69	0.59	2285.54	3.64	6.22				5.97		8.11	17.99	4.59	> 10 ²⁰
Z = 118																	
163	281		13/2 ⁻	0.78	0.70	1981.59						9.73	0.2594	-0.69	-2.37	13.80	10 ^{-6.21}
164	282			0.68	0.74	1991.80	10.20					7.37	4.0315	-0.31	-1.70	12.92	10 ^{-5.59}
165	283		1/2 ⁺	0.68	0.72	1999.56	7.76	17.96				8.37	6.4926	-0.39	-1.40	12.70	10 ^{-4.08}
166	284			0.68	0.70	2008.69	9.13	16.89				6.75	9.2092	-0.01	-1.03	13.10	10 ^{-5.95}
167	285		1/2 ⁺	0.68	0.68	2016.18	7.49	16.63				7.76	9.9668	-0.04	-0.70	13.06	10 ^{-4.81}
168	286			0.69	0.68	2024.97	8.79	16.28				6.18	13.0317	0.25	-0.39	13.04	10 ^{-5.84}
169	287		1/2 ⁺	0.70	0.68	2032.30	7.33	16.12				7.04	8.4051	0.37	0.03	12.88	10 ^{-4.45}
170	288			0.68	0.65	2040.79	8.48	15.81				5.52	30.9034	0.67	0.41	12.87	10 ^{-5.50}
171	289		3/2 ⁺	0.68	0.64	2047.81	7.02	15.51				6.34	46.4821	0.72	0.80	12.76	10 ^{-4.20}
172	290			0.70	0.65	2055.87	8.06	15.08				5.00	9.5510	0.93	1.09	12.81	10 ^{-5.37}
173	291		5/2 ⁺	0.67	0.62	2062.76	6.89	14.95				5.76	75.8354	1.11	1.61	12.55	10 ^{-3.76}
174	292			0.67	0.62	2070.72	7.96	14.85				4.22	> 100	1.42	1.95	12.36	10 ^{-4.43}
175	293		1/2 ⁺	0.67	0.61	2077.17	6.45	14.41				5.12	> 100	1.45	2.33	12.27	10 ^{-3.17}
176	294			0.69	0.61	2084.78	7.62	14.07				3.65	> 100	1.72	2.30	12.28	10 ^{-4.24}
177	295		1/2 ⁺	0.69	0.62	2090.95	6.16	13.78				4.82	66.0928	1.73	2.55	12.19	10 ^{-2.99}
178	296			0.68	0.62	2098.49	7.54	13.71				3.39	> 100	1.94	2.81	12.29	10 ^{-4.27}
179	297		1/2 ⁺	0.67	0.58	2104.59	6.10	13.65				3.90	> 100	1.93	3.25	12.10	10 ^{-2.79}
180	298			0.66	0.56	2111.47	6.88	12.98				2.54	> 100	2.20	3.54	12.50	10 ^{-4.73}
181	299		3/2 ⁺	0.66	0.55	2117.00	5.53	12.41				3.23	> 100	2.20	3.84	12.64	10 ^{-3.95}
182	300			0.66	0.56	2123.51	6.51	12.04				1.85	> 100	2.50	4.12	12.72	10 ^{-5.18}
183	301		1/2 ⁺	0.66	0.59	2128.63	5.12	11.63				2.62	> 100	2.49	4.41	12.83	10 ^{-4.34}
184	302			0.66	0.63	2134.84	6.21	11.33				0.63	> 100	2.80	4.73	12.85	10 ^{-5.44}
185	303		7/2	0.66	0.65	2138.88	4.04	10.25				2.26	> 100	2.63	4.86	13.64	10 ^{-5.92}
186	304			0.66	0.67	2145.07	6.19	10.23				...	β -stable	3.15	5.42	13.33	10 ^{-6.41}
187	305		5/2	0.67	0.70	2148.86	3.79	9.98				1.51	> 100	3.15	5.75	13.45	10 ^{-5.56}
188	306			0.66	0.74	2154.64	5.78	9.57				...	β -stable	3.48	6.08	13.31	10 ^{-6.36}
189	307		5/2	0.68	0.74	2158.46	3.82	9.59				0.93	> 100	3.62	6.50	12.95	10 ^{-4.60}
190	308			0.67	0.78	2164.00	5.55	9.36				...	β -stable	3.83	6.76	12.85	10 ^{-5.46}
191	309		7/2	0.69	0.77	2167.88	3.88	9.43				1.97	> 100	3.96	7.26	12.37	10 ^{-3.38}
192	310			0.66	0.86	2173.15	5.27	9.15				...	β -stable	2.52	7.46	12.39	10 ^{-4.48}
193	311		9/2	0.72	0.76	2177.28	4.12	9.40				...	β -stable	4.67	8.08	11.64	10 ^{-1.72}
194	312			0.72	0.77	2182.80	5.52	9.64				...	β -stable	5.01	8.65	11.19	10 ^{-1.71}
195	313		9/2 ⁺	0.85	0.62	2192.75	9.95	15.47				...	β -stable	9.47	13.57	4.74	> 10 ²⁰

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 118																	
196	314			0.85	0.61	2198.33	5.58	15.53				...	β -stable	10.03	13.88	4.11	$> 10^{20}$
197	315		5/2 ⁻	0.86	0.61	2202.52	4.19	9.77	100.00	0.00	0.00	0.21	> 100	10.51	14.39	4.95	$> 10^{20}$
198	316			0.84	0.64	2204.33	1.81	6.00	100.00	0.00	0.00	2.89	1.1246	6.02	10.62	8.41	$10^{6.90}$
199	317		1/2 ⁺	0.85	0.62	2208.26	3.93	5.74	100.00	0.00	0.00	0.97	> 100	5.90	10.72	8.17	$10^{8.92}$
200	318			0.85	0.61	2213.64	5.39	9.31				...	β -stable	6.19	11.03	8.36	$10^{7.10}$
201	319		15/2 ⁻	0.85	0.61	2217.55	3.91	9.29	100.00	0.00	0.00	1.09	> 100	6.22	11.28	8.28	$10^{8.47}$
202	320			0.87	0.59	2222.66	5.11	9.01	100.00	0.00	0.00	0.09	> 100	6.38	11.51	8.25	$10^{7.53}$
203	321		11/2 ⁺	0.88	0.59	2226.26	3.61	8.71	100.00	0.00	0.00	1.55	> 100	6.51	11.87	8.30	$10^{8.40}$
204	322			0.88	0.59	2230.96	4.69	8.30	100.00	0.00	0.00	0.74	> 100	6.80	12.15	8.48	$10^{6.62}$
205	323		7/2 ⁻	0.88	0.59	2234.17	3.22	7.91	100.00	0.00	0.00	2.20	33.7196	6.80	12.44	8.52	$10^{7.55}$
206	324			0.89	0.59	2238.63	4.46	7.68	100.00	0.00	0.00	1.21	> 100	7.08	12.70	8.47	$10^{6.67}$
207	325		9/2 ⁻	0.90	0.59	2241.76	3.13	7.59	100.00	0.00	0.00	2.54	17.7048	7.09	13.00	8.27	$10^{8.52}$
208	326			0.90	0.58	2246.14	4.37	7.51	100.00	0.00	0.00	1.59	58.5099	7.36	13.25	8.09	$10^{8.19}$
209	327		1/2 ⁻	0.91	0.57	2249.23	3.09	7.47	100.00	0.00	0.00	2.85	8.7158	7.24	13.35	7.83	$10^{10.33}$
210	328			0.91	0.56	2253.50	4.27	7.36	100.00	0.00	0.00	1.98	10.8745	7.49	13.56	7.68	$10^{9.89}$
211	329		1/2 ⁺	0.78	0.63	2257.92	4.42	8.69	100.00	0.00	0.00	1.85	> 100	8.85	15.18	6.26	$10^{18.27}$
212	330			0.78	0.62	2262.23	4.31	8.73	100.00	0.00	0.00	2.61	4.3493	9.22	15.68	6.00	$10^{18.81}$
213	331		5/2 ⁻	0.78	0.62	2265.07	2.84	7.16	100.00	0.00	0.00	3.98	4.5838	9.15	15.84	5.96	$> 10^{20}$
214	332			0.73	0.65	2267.80	2.72	5.57	98.41	1.59	0.00	4.37	0.1621	7.94	14.61	7.05	$10^{12.86}$
215	333		13/2 ⁺	0.74	0.66	2270.61	2.81	5.53	0.24	99.76	0.00	3.66	> 100	7.91	14.88	6.92	$10^{14.60}$
216	334			0.71	0.66	2274.60	3.99	6.80	100.00	0.00	0.00	2.84	28.9304	8.14	15.17	6.89	$10^{13.69}$
217	335		9/2 ⁻	0.71	0.65	2277.39	2.80	6.78	100.00	0.00	0.00	4.12	3.0265	8.18	15.67	6.63	$10^{16.13}$
218	336			0.71	0.63	2281.50	4.10	6.90	100.00	0.00	0.00	3.13	14.5294	8.47	15.97	6.23	$10^{17.37}$
219	337		9/2 ⁻	0.71	0.61	2284.14	2.64	6.74	85.73	14.27	0.00	4.64	3.9422	8.49	16.27	5.88	$> 10^{20}$
220	338			0.71	0.59	2288.12	3.98	6.62	56.46	43.54	0.00	3.63	3.9123	8.81	16.59	5.71	$> 10^{20}$
221	339		15/2 ⁺	0.70	0.61	2290.72	2.61	6.59	39.14	60.86	0.00	5.02	2.5283	8.83	16.93	5.43	$> 10^{20}$
Z = 119																	
165	284	1/2 ⁻	1/2 ⁺	0.69	0.73	1997.56						10.35	3.7266	-2.00	-2.39	13.02	$10^{-4.42}$
166	285	1/2 ⁻		0.69	0.72	2006.61	9.05					8.80	3.6284	-2.08	-2.10	13.79	$10^{-6.25}$
167	286	1/2 ⁻	1/2 ⁺	0.69	0.70	2014.50	7.90	16.95				9.69	5.7585	-1.68	-1.72	13.74	$10^{-5.81}$
168	287	1/2 ⁻		0.70	0.70	2023.55	9.05	16.95				7.97	4.4521	-1.42	-1.17	13.45	$10^{-5.60}$
169	288	1/2 ⁻	1/2 ⁺	0.70	0.69	2031.13	7.58	16.63				8.87	5.8244	-1.17	-0.80	13.38	$10^{-5.14}$
170	289	1/2 ⁻		0.70	0.65	2039.47	8.34	15.92				7.55	12.8438	-1.31	-0.65	13.55	$10^{-5.79}$
171	290	1/2 ⁻	3/2 ⁺	0.70	0.64	2046.87	7.40	15.74				8.21	21.9674	-0.94	-0.22	13.36	$10^{-5.09}$
172	291	1/2 ⁻		0.69	0.63	2055.22	8.34	15.74				6.76	41.0871	-0.65	0.28	13.20	$10^{-5.13}$
173	292	1/2 ⁻	5/2 ⁺	0.69	0.62	2062.22	7.01	15.35				7.71	27.0027	-0.54	0.57	13.17	$10^{-4.71}$
174	293	1/2 ⁻		0.69	0.62	2070.36	8.13	15.14				6.03	73.8422	-0.36	1.06	12.88	$10^{-4.47}$
175	294	1/2 ⁻	1/2 ⁺	0.69	0.61	2077.15	6.79	14.92				6.85	80.8833	-0.02	1.43	12.80	$10^{-3.97}$
176	295	1/2 ⁻		0.69	0.59	2084.71	7.56	14.35				5.45	> 100	-0.07	1.64	12.88	$10^{-4.49}$
177	296	1/2 ⁻	1/2 ⁺	0.71	0.62	2090.93	6.22	13.79				6.77	28.2857	-0.01	1.72	13.08	$10^{-4.54}$
178	297	1/2 ⁻		0.69	0.62	2098.62	7.68	13.91				5.19	70.9972	0.13	2.07	12.74	$10^{-4.19}$
179	298	1/2 ⁻	1/2 ⁺	0.68	0.58	2105.01	6.40	14.08				5.68	> 100	0.42	2.35	12.50	$10^{-3.34}$
180	299	1/2 ⁻		0.68	0.57	2112.04	7.02	13.42				4.18	> 100	0.57	2.77	12.80	$10^{-4.32}$
181	300	1/2 ⁻	3/2 ⁺	0.67	0.56	2117.81	5.78	12.80				4.92	> 100	0.81	3.02	13.15	$10^{-4.67}$
182	301	3/2 ⁻		0.67	0.56	2124.30	6.49	12.26				3.55	> 100	0.79	3.29	13.27	$10^{-5.25}$
183	302	3/2 ⁻	1/2 ⁺	0.67	0.59	2129.71	5.41	11.90				4.34	> 100	1.09	3.58	13.38	$10^{-5.13}$
184	303	3/2 ⁻		0.67	0.63	2135.94	6.22	11.64				2.16	> 100	1.10	3.90	13.38	$10^{-5.46}$
185	304	1/2	5/2	0.67	0.65	2140.29	4.35	10.58				3.99	> 100	1.41	4.04	14.14	$10^{-6.55}$
186	305	3/2 ⁻		0.67	0.67	2146.49	6.20	10.56				1.59	> 100	1.43	4.58	13.84	$10^{-6.33}$
187	306	5/2	1/2	0.68	0.69	2150.58	4.09	10.29				3.28	> 100	1.72	4.87	13.97	$10^{-6.23}$
188	307	1/2 ⁻		0.67	0.74	2156.40	5.82	9.91				1.27	> 100	1.76	5.24	13.81	$10^{-6.29}$
189	308	5/2	5/2	0.69	0.74	2160.57	4.17	9.99				2.64	> 100	2.12	5.74	13.43	$10^{-5.23}$
190	309	5/2		0.68	0.76	2166.14	5.56	9.74				0.96	> 100	2.14	5.97	13.31	$10^{-5.35}$
191	310	5/2	7/2	0.70	0.75	2170.38	4.24	9.80				1.99	> 100	2.50	6.45	12.76	$10^{-3.88}$
192	311	5/2		0.70	0.76	2175.98	5.60	9.84				0.51	> 100	2.83	5.34	12.49	$10^{-3.65}$
193	312	5/2	9/2	0.72	0.75	2180.11	4.13	9.73	100.00	0.00	0.00	$\pm$	$\pm$	2.84	7.50	12.11	$10^{-2.48}$
194	313	5/2		0.72	0.76	2185.68	5.57	9.70				6.28	14.2942	2.89	7.90	13.25	$10^{-5.22}$

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 119																	
195	314	1/2 ⁺	9/2 ⁺	0.84	0.62	2196.25	10.56	16.13				1.30	> 100	3.50	12.96	4.66	> 10 ²⁰
196	315	1/2 ⁺		0.84	0.62	2201.95	5.70	16.26				...	β -stable	3.62	13.65	4.13	> 10 ²⁰
197	316	1/2 ⁺	5/2 ⁻	0.85	0.61	2206.44	4.49	10.19	100.00	0.00	0.00	1.27	> 100	3.92	14.42	5.14	> 10 ²⁰
198	317	5/2 ⁻		0.81	0.66	2208.45	2.01	6.50	100.00	0.00	0.00	3.77	1.1435	4.12	10.14	8.14	10 ^{9.11}
199	318	1/2 ⁺	1/2 ⁺	0.84	0.62	2212.48	4.03	6.04	100.00	0.00	0.00	$\pm$	$\pm$	4.22	10.12	7.84	10 ^{10.74}
200	319	1/2 ⁺		0.84	0.61	2217.86	5.39	9.42	100.00	0.00	0.00	0.57	> 100	4.22	10.41	8.74	10 ^{6.79}
201	320	1/2 ⁺	15/2 ⁻	0.85	0.61	2221.97	4.11	9.49	100.00	0.00	0.00	2.05	> 100	4.42	10.63	8.68	10 ^{7.36}
202	321	1/2 ⁺		0.85	0.60	2227.04	5.07	9.18	100.00	0.00	0.00	1.19	> 100	4.38	10.76	8.71	10 ^{6.92}
203	322	1/2 ⁺	11/2 ⁺	0.86	0.60	2230.91	3.87	8.94	100.00	0.00	0.00	2.69	> 100	4.64	11.15	8.72	10 ^{7.21}
204	323	1/2 ⁺		0.86	0.60	2235.59	4.69	8.56	100.00	0.00	0.00	1.89	> 100	4.64	11.44	8.98	10 ^{5.94}
205	324	1/2 ⁺	7/2 ⁻	0.87	0.61	2239.05	3.46	8.15	100.00	0.00	0.00	3.36	71.0610	4.88	11.68	9.00	10 ^{6.21}
206	325	1/2 ⁺		0.87	0.62	2243.52	4.46	7.92	100.00	0.00	0.00	2.41	> 100	4.89	11.96	8.94	10 ^{6.09}
207	326	5/2 ⁻	9/2 ⁻	0.89	0.60	2246.95	3.43	7.90	100.00	0.00	0.00	3.73	22.2846	5.19	12.28	8.72	10 ^{7.21}
208	327	5/2 ⁻		0.90	0.58	2251.30	4.35	7.79	100.00	0.00	0.00	2.82	17.8428	5.17	12.53	8.55	10 ^{7.52}
209	328	5/2 ⁺	1/2 ⁻	0.91	0.57	2254.70	3.39	7.75	100.00	0.00	0.00	4.08	31.4058	5.47	12.70	8.27	10 ^{8.95}
210	329	5/2 ⁺		0.90	0.56	2258.99	4.29	7.68	100.00	0.00	0.00	3.16	54.5755	5.49	12.98	8.08	10 ^{9.35}
211	330	5/2 ⁻	15/2 ⁻	0.77	0.64	2264.06	5.07	9.36	100.00	0.00	0.00	2.57	> 100	6.14	14.98	6.24	10 ^{18.92}
212	331	5/2 ⁻		0.77	0.62	2268.27	4.22	9.29	100.00	0.00	0.00	1.65	> 100	6.04	15.26	6.03	10 ^{19.87}
213	332	5/2 ⁻	5/2 ⁻	0.77	0.62	2271.39	3.12	7.33	100.00	0.00	0.00	2.96	> 100	6.31	15.46	5.98	> 10 ²⁰
214	333	1/2 ⁻		0.72	0.66	2273.49	2.10	5.22	99.98	0.02	0.00	5.96	0.0817	5.69	13.63	7.82	10 ^{10.48}
215	334	1/2 ⁻	13/2 ⁺	0.72	0.66	2276.65	3.16	5.26	9.45	90.55	0.00	4.85	> 100	6.04	13.95	7.57	10 ^{11.90}
216	335	1/2 ⁻		0.71	0.66	2280.73	4.09	7.25	68.87	31.13	0.00	3.61	> 100	6.14	14.27	7.42	10 ^{12.28}
217	336	1/2 ⁻	11/2 ⁻	0.71	0.64	2283.84	3.11	7.19	99.51	0.49	0.00	5.02	4.5202	6.45	14.63	7.16	10 ^{13.86}
218	337	1/2 ⁻		0.71	0.62	2288.00	4.16	7.26	67.94	32.06	0.00	3.86	43.3326	6.50	14.97	6.76	10 ^{15.58}
219	338	1/2 ⁻	9/2 ⁻	0.71	0.61	2290.96	2.97	7.12	91.07	8.93	0.00	5.33	9.5530	6.83	15.31	6.54	10 ^{17.11}
220	339	1/2 ⁻		0.71	0.59	2294.96	4.00	6.96				4.32		6.84	15.65	6.36	10 ^{17.82}
Z = 120																	
167	287		7/2 ⁺	0.71	0.72	2013.87						8.90	1.3242	-0.64	-2.32	13.98	10 ^{-6.07}
168	288			0.72	0.71	2023.06	9.19					7.29	1.4087	-0.49	-1.91	13.92	10 ^{-7.02}
169	289	1/2 ⁺		0.72	0.69	2030.59	7.53	16.73				8.10	1.4015	-0.54	-1.71	13.89	10 ^{-5.89}
170	290			0.72	0.68	2039.49	8.90	16.43				6.59	1.6485	0.02	-1.29	13.77	10 ^{-6.75}
171	291	3/2 ⁺		0.73	0.67	2046.69	7.20	16.10				7.74	1.0068	-0.18	-1.12	13.91	10 ^{-5.93}
172	292			0.73	0.66	2055.19	8.50	15.70				6.25	1.0483	-0.02	-0.67	13.89	10 ^{-6.96}
173	293	5/2 ⁺		0.71	0.62	2062.42	7.22	15.73				7.15	5.6973	0.20	-0.34	13.69	10 ^{-5.51}
174	294			0.71	0.62	2070.87	8.45	15.68				5.49	12.4889	0.51	0.16	13.29	10 ^{-5.82}
175	295	1/2 ⁺		0.71	0.61	2077.69	6.82	15.27				6.23	15.2487	0.55	0.53	13.36	10 ^{-4.89}
176	296			0.72	0.61	2085.32	7.63	14.45				4.83	8.4940	0.61	0.54	13.69	10 ^{-6.59}
177	297	1/2 ⁺		0.71	0.62	2091.92	6.60	14.23				5.91	9.5291	0.99	0.98	13.54	10 ^{-5.23}
178	298			0.71	0.62	2099.73	7.81	14.41				4.50	12.0269	1.11	1.24	13.35	10 ^{-5.93}
179	299	1/2 ⁺		0.69	0.59	2106.14	6.41	14.22				5.11	> 100	1.13	1.55	13.10	10 ^{-4.37}
180	300			0.69	0.56	2113.39	7.24	13.66				3.64	> 100	1.35	1.92	13.40	10 ^{-6.03}
181	301	3/2 ⁺		0.69	0.56	2119.22	5.83	13.07				4.30	> 100	1.40	2.22	13.67	10 ^{-5.48}
182	302			0.69	0.56	2126.05	6.83	12.66				2.88	> 100	1.75	2.54	13.72	10 ^{-6.63}
183	303	1/2 ⁺		0.69	0.59	2131.46	5.41	12.24				3.70	> 100	1.74	2.83	13.84	10 ^{-5.80}
184	304			0.69	0.63	2137.99	6.53	11.94				1.52	> 100	2.05	3.15	13.82	10 ^{-6.83}
185	305	3/2		0.69	0.64	2142.45	4.46	10.99				3.26	> 100	2.16	3.57	14.48	10 ^{-6.94}
186	306			0.69	0.67	2148.87	6.42	10.88				0.93	> 100	2.37	3.80	14.27	10 ^{-7.64}
187	307	1/2		0.69	0.69	2153.03	4.17	10.59				2.59	> 100	2.45	4.17	14.14	10 ^{-6.35}
188	308			0.69	0.72	2159.06	6.03	10.20				0.73	> 100	2.66	4.43	14.30	10 ^{-7.70}
189	309	5/2		0.70	0.72	2163.43	4.37	10.40				1.92	> 100	2.86	4.98	13.73	10 ^{-5.59}
190	310			0.70	0.73	2169.30	5.87	10.24				0.29	> 100	3.16	5.30	13.63	10 ^{-6.48}
191	311	7/2		0.72	0.73	2173.64	4.34	10.21				1.56	> 100	3.26	5.76	13.11	10 ^{-4.39}
192	312			0.72	0.73	2179.63	5.99	10.33				...	β -stable	3.65	6.48	12.67	10 ^{-4.55}
193	313	9/2		0.75	0.72	2183.92	4.29	10.28				0.98	> 100	3.81	6.64	12.26	10 ^{-2.58}
194	314			0.75	0.72	2189.85	5.93	10.23				5.61	4.9268	4.17	7.06	11.59	10 ^{-2.12}
195	315	9/2 ⁺		0.83	0.62	2200.91	11.06	16.99				0.25	> 100	4.67	8.16	4.66	> 10 ²⁰
196	316			0.84	0.62	2206.93	6.01	17.07				...	β -stable	4.98	8.60	4.16	> 10 ²⁰

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 120																	
197	317		5/2 ⁻	0.85	0.61	2211.43	4.51	10.52				...	β -stable	4.99	8.91	9.61	10 ^{4.46}
198	318			0.86	0.61	2217.10	5.67	10.18				...	β -stable	8.66	12.78	9.52	10 ^{3.70}
199	319		1/2 ⁺	0.83	0.62	2217.65	0.55	6.22	100.00	0.00	0.00	3.44	3.3337	5.18	9.40	13.16	10 ^{-4.50}
200	320			0.84	0.61	2223.24	5.58	6.13				...	β -stable	5.38	9.59	9.39	10 ^{4.12}
201	321		15/2 ⁻	0.84	0.61	2227.45	4.21	9.80	100.00	0.00	0.00	0.08	> 100	5.48	9.90	9.10	10 ^{6.15}
202	322			0.84	0.60	2232.82	5.37	9.58				...	β -stable	5.78	10.16	9.12	10 ^{5.02}
203	323		11/2 ⁺	0.85	0.60	2236.70	3.89	9.26	100.00	0.00	0.00	0.69	> 100	5.80	10.44	9.14	10 ^{6.02}
204	324			0.84	0.61	2241.63	4.93	8.81				...	β -stable	6.04	10.68	9.32	10 ^{4.35}
205	325		7/2 ⁻	0.86	0.61	2245.14	3.51	8.44	100.00	0.00	0.00	1.29	> 100	6.09	10.97	9.42	10 ^{5.08}
206	326			0.86	0.62	2249.90	4.76	8.27	100.00	0.00	0.00	0.23	> 100	6.39	11.27	9.35	10 ^{4.25}
207	327		1/2 ⁻	0.88	0.60	2253.34	3.44	8.20	100.00	0.00	0.00	1.62	> 100	6.39	11.57	9.13	10 ^{6.06}
208	328			0.89	0.59	2258.00	4.66	8.10	100.00	0.00	0.00	0.64	> 100	6.70	11.86	8.93	10 ^{5.71}
209	329		1/2 ⁻	0.90	0.57	2261.37	3.37	8.03	100.00	0.00	0.00	1.71	> 100	6.67	12.14	8.69	10 ^{7.65}
210	330			0.91	0.56	2265.84	4.47	7.84	100.00	0.00	0.00	1.10	> 100	6.86	12.34	8.59	10 ^{6.95}
211	331		3/2 ⁻	0.91	0.56	2269.15	3.30	7.78	100.00	0.00	0.00	2.38	23.5148	5.09	11.23	8.38	10 ^{8.82}
212	332			0.91	0.57	2273.57	4.42	7.72	100.00	0.00	0.00	1.46	30.7266	5.29	11.33	8.23	10 ^{8.36}
213	333		5/2 ⁻	0.76	0.63	2278.67	5.10	9.52	100.00	0.00	0.00	0.80	> 100	7.28	13.59	7.55	10 ^{12.35}
214	334			0.84	0.62	2280.72	2.05	7.15	100.00	0.00	0.00	4.05	0.2670	7.23	12.92	9.81	10 ^{2.77}
215	335		13/2 ⁺	0.77	0.65	2283.56	2.84	4.89	0.37	99.63	0.00	3.11	> 100	6.91	12.95	9.81	10 ^{3.82}
216	336			0.73	0.65	2288.08	4.52	7.36	100.00	0.00	0.00	1.90	> 100	7.35	13.48	8.01	10 ^{9.26}
217	337		11/2 ⁻	0.72	0.64	2291.08	3.00	7.52	100.00	0.00	0.00	3.02	11.8713	7.24	13.69	7.83	10 ^{11.11}
218	338			0.72	0.62	2295.51	4.43	7.43	100.00	0.00	0.00	1.95	> 100	7.51	14.01	7.38	10 ^{12.08}
219	339		9/2 ⁻	0.72	0.60	2298.50	2.99	7.42	100.00	0.00	0.00	3.23	27.3316	7.53	14.36	7.19	10 ^{14.07}
Z = 121																	
169	290	11/2 ⁺	1/2 ⁺	0.73	0.70	2028.58						10.14	0.5860	-2.02	-2.56	14.22	10 ^{-6.21}
170	291	11/2 ⁺		0.73	0.68	2037.51	8.94					8.40	0.7544	-1.98	-1.96	14.33	10 ^{-6.75}
171	292	11/2 ⁺	3/2 ⁺	0.73	0.68	2045.11	7.59	16.53				9.31	0.7798	-1.59	-1.76	14.32	10 ^{-6.39}
172	293	11/2 ⁺		0.73	0.67	2053.64	8.53	16.12				8.00	0.7696	-1.56	-1.58	14.14	10 ^{-6.39}
173	294	11/2 ⁺	3/2 ⁺	0.73	0.65	2061.01	7.38	15.90				9.08	1.4483	-1.41	-1.21	14.15	10 ^{-6.09}
174	295	5/2 ⁻		0.72	0.62	2069.30	8.29	15.67				7.61	7.4826	-1.57	-1.05	14.21	10 ^{-6.53}
175	296	5/2 ⁻	1/2 ⁺	0.72	0.60	2076.42	7.12	15.41				8.11	10.1315	-1.27	-0.72	14.10	10 ^{-5.98}
176	297	3/2 ⁻		0.73	0.61	2084.29	7.87	14.99				6.85	6.6196	-1.03	-0.42	14.36	10 ^{-6.80}
177	298	3/2 ⁻	1/2 ⁺	0.73	0.62	2091.10	6.81	14.67				7.85	6.5525	-0.82	0.16	14.35	10 ^{-6.43}
178	299	3/2 ⁻		0.72	0.61	2098.98	7.89	14.69				6.38	11.3892	-0.75	0.37	14.02	10 ^{-6.19}
179	300	3/2 ⁻	1/2 ⁺	0.70	0.58	2105.74	6.76	14.64				6.87	69.3068	-0.40	0.73	13.49	10 ^{-4.84}
180	301	3/2 ⁻		0.70	0.57	2113.06	7.32	14.08				5.38	> 100	-0.33	1.02	13.85	10 ^{-5.88}
181	302	3/2 ⁻	3/2 ⁺	0.70	0.56	2119.13	6.07	13.40				6.14	> 100	-0.08	1.32	14.18	10 ^{-6.13}
182	303	3/2 ⁻		0.70	0.56	2125.96	6.83	12.90				4.71	> 100	-0.09	1.66	14.37	10 ^{-6.81}
183	304	3/2 ⁻	1/2 ⁺	0.70	0.60	2131.67	5.70	12.53				5.54	> 100	0.21	1.95	14.44	10 ^{-6.60}
184	305	3/2 ⁻		0.70	0.63	2138.20	6.54	12.24				3.46	> 100	0.22	2.27	14.39	10 ^{-6.86}
185	306	1/2	5/2	0.70	0.64	2142.71	4.50	11.04				5.38	> 100	0.26	2.41	15.30	10 ^{-8.05}
186	307	1/2		0.70	0.67	2149.34	6.64	11.14				2.91	> 100	0.48	2.85	14.89	10 ^{-7.71}
187	308	1/2	3/2	0.70	0.68	2153.91	4.57	11.21				4.37	> 100	0.88	3.33	14.67	10 ^{-7.00}
188	309	1/2		0.70	0.70	2160.03	6.11	10.69				2.62	> 100	0.96	3.63	14.76	10 ^{-7.49}
189	310	1/2	5/2	0.71	0.70	2164.85	4.82	10.94				3.67	> 100	1.42	4.28	14.03	10 ^{-5.85}
190	311	1/2		0.72	0.72	2170.80	5.95	10.77				2.06	> 100	1.50	4.66	13.90	10 ^{-5.96}
191	312	1/2	7/2	0.72	0.72	2175.56	4.76	10.71				3.29	> 100	1.92	5.18	13.31	10 ^{-4.49}
192	313	1/2		0.73	0.72	2181.60	6.04	10.80				1.54	> 100	1.97	5.62	12.83	10 ^{-3.86}
193	314	1/2	9/2	0.74	0.72	2186.26	4.66	10.70				2.81	> 100	2.34	6.15	12.41	10 ^{-2.61}
194	315	1/2		0.74	0.72	2192.24	5.98	10.64				7.89	3.1413	2.39	6.56	12.04	10 ^{-2.11}
195	316	3/2 ⁺	9/2 ⁺	0.83	0.62	2203.83	11.59	17.57				2.32	> 100	2.92	7.58	4.58	> 10 ²⁰
196	317	3/2 ⁺		0.83	0.62	2209.71	5.88	17.47				0.94	> 100	2.79	7.76	4.27	> 10 ²⁰
197	318	7/2 ⁻	5/2 ⁻	0.85	0.61	2214.64	4.92	10.81	100.00	0.00	0.00	±	±	3.20	8.20	9.90	10 ^{3.91}
198	319	1/2 ⁺		0.86	0.61	2220.31	5.67	10.60				...	β -stable	3.20	11.86	9.94	10 ^{3.48}
199	320	5/2 ⁻	1/2 ⁺	0.82	0.63	2221.20	0.89	6.57	100.00	0.00	0.00	±	±	3.55	8.73	13.53	10 ^{-4.92}
200	321	5/2 ⁻		0.82	0.62	2226.74	5.54	6.43	100.00	0.00	0.00	3.53	1.0775	3.51	8.88	10.00	10 ^{3.28}
201	322	5/2 ⁻	15/2 ⁻	0.83	0.61	2231.15	4.41	9.95	100.00	0.00	0.00	±	±	3.70	9.18	9.62	10 ^{4.81}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 121$																	
202	323	5/2 ⁻		0.83	0.61	2236.61	5.47	9.87	100.00	0.00	0.00	0.09	> 100	3.80	9.58	9.54	10 ^{4.72}
203	324	5/2 ⁻	11/2 ⁺	0.83	0.61	2240.66	4.05	9.51	100.00	0.00	0.00	±	±	3.96	9.75	9.60	10 ^{4.87}
204	325	5/2 ⁻		0.83	0.61	2245.64	4.98	9.03	100.00	0.00	0.00	0.91	> 100	4.01	10.05	9.69	10 ^{4.25}
205	326	5/2 ⁻	7/2 ⁻	0.82	0.63	2249.35	3.71	8.69	100.00	0.00	0.00	2.47	> 100	4.21	10.30	9.85	10 ^{4.08}
206	327	5/2 ⁻		0.83	0.63	2254.18	4.82	8.53	100.00	0.00	0.00	1.39	> 100	4.28	10.66	9.71	10 ^{4.17}
207	328	5/2 ⁻	1/2 ⁻	0.85	0.63	2257.86	3.68	8.51	100.00	0.00	0.00	2.78	> 100	4.52	10.91	9.49	10 ^{5.23}
208	329	11/2 ⁻		0.72	0.67	2262.29	4.43	8.12	100.00	0.00	0.00	2.06	> 100	4.30	10.99	9.52	10 ^{4.80}
209	330	5/2 ⁻	1/2 ⁻	0.89	0.58	2266.16	3.87	8.30	100.00	0.00	0.00	3.14	61.9181	4.79	11.46	9.08	10 ^{6.62}
210	331	5/2 ⁻		0.90	0.57	2270.75	4.59	8.45	100.00	0.00	0.00	2.19	32.2901	4.90	11.76	8.85	10 ^{7.11}
211	332	5/2 ⁻	3/2 ⁻	0.91	0.56	2274.25	3.50	8.08	100.00	0.00	0.00	3.57	10.3501	5.10	10.19	8.75	10 ^{7.83}
212	333	5/2 ⁻		0.91	0.57	2278.68	4.44	7.94	100.00	0.00	0.00	2.64	13.5673	5.12	10.41	8.60	10 ^{8.05}
213	334	5/2 ⁺	5/2 ⁻	0.76	0.64	2283.99	5.31	9.75	100.00	0.00	0.00	2.03	> 100	5.32	12.60	8.36	10 ^{9.32}
214	335	3/2 ⁻		0.84	0.62	2285.89	1.89	7.20	99.96	0.04	0.00	3.32	27.0092	5.17	12.40	10.68	10 ^{1.30}
215	336	3/2 ⁻	11/2 ⁺	0.84	0.61	2289.20	3.31	5.21	100.00	0.00	0.00	4.07	> 100	5.64	12.55	10.49	10 ^{2.19}
216	337	1/2 ⁻		0.79	0.64	2293.31	4.12	7.43	100.00	0.00	0.00	3.25	> 100	5.23	12.58	8.47	10 ^{8.55}
217	338	1/2 ⁺	11/2 ⁻	0.75	0.64	2296.68	3.36	7.48	100.00	0.00	0.00	4.45	13.6823	5.60	12.84	8.27	10 ^{9.71}
218	339	1/2 ⁺		0.74	0.62	2300.94	4.26	7.63	99.37	0.63	0.00	3.23	> 100	5.43	12.94	8.09	10 ^{10.09}
$Z = 122$																	
172	294			0.74	0.69	2053.16						7.07	0.3240	-0.48	-2.04	14.63	10 ^{-7.82}
173	295		3/2 ⁺	0.73	0.67	2060.47	7.32					8.05	0.4580	-0.54	-1.95	14.51	10 ^{-6.54}
174	296			0.73	0.65	2068.99	8.52	15.84				6.65	0.5168	-0.31	-1.88	14.50	10 ^{-7.58}
175	297		1/2 ⁺	0.74	0.61	2075.92	6.92	15.44				7.59	1.9653	-0.51	-1.78	14.80	10 ^{-7.03}
176	298			0.75	0.61	2084.26	8.34	15.26				6.06	1.6500	-0.03	-1.06	14.91	10 ^{-8.29}
177	299		1/2 ⁺	0.75	0.63	2090.99	6.74	15.08				7.21	1.5975	-0.10	-0.93	15.00	10 ^{-7.37}
178	300			0.71	0.60	2099.64	8.64	15.38				5.32	10.2050	0.65	-0.09	13.98	10 ^{-6.64}
179	301		1/2 ⁺	0.71	0.59	2106.32	6.69	15.33				5.95	15.7741	0.58	0.18	13.89	10 ^{-5.41}
180	302			0.73	0.64	2113.98	7.65	14.34				4.37	3.5105	0.92	0.59	14.05	10 ^{-6.77}
181	303		3/2 ⁺	0.72	0.56	2119.73	5.75	13.40				5.46	19.1044	0.59	0.51	14.71	10 ^{-6.89}
182	304			0.72	0.56	2126.87	7.14	12.89				4.01	17.9889	0.91	0.82	14.81	10 ^{-8.12}
183	305		1/2 ⁺	0.72	0.59	2132.58	5.71	12.86				4.84	29.6860	0.92	1.12	14.93	10 ^{-7.26}
184	306			0.72	0.63	2139.43	6.84	12.56				2.50	> 100	1.22	1.44	14.92	10 ^{-8.30}
185	307		3/2	0.71	0.64	2144.17	4.74	11.59				4.39	74.9099	1.47	1.72	15.58	10 ^{-8.32}
186	308			0.71	0.66	2150.84	6.66	11.41				2.29	68.8885	1.50	1.97	15.44	10 ^{-9.17}
187	309		1/2	0.71	0.67	2155.69	4.85	11.52				3.55	> 100	1.78	2.66	15.05	10 ^{-7.46}
188	310			0.72	0.69	2162.05	6.36	11.22				2.01	97.4932	2.03	2.99	15.11	10 ^{-8.62}
189	311		1/2	0.72	0.69	2167.06	5.01	11.37				2.95	> 100	2.21	3.63	14.26	10 ^{-6.09}
190	312			0.72	0.70	2173.42	6.35	11.36				1.36	> 100	2.62	4.12	13.94	10 ^{-6.57}
191	313		7/2	0.73	0.71	2178.25	4.84	11.19				2.57	> 100	2.69	4.61	13.48	10 ^{-4.61}
192	314			0.73	0.71	2184.67	6.41	11.25				0.81	> 100	3.06	5.04	12.93	10 ^{-4.58}
193	315		9/2	0.74	0.71	2189.42	4.76	11.17				2.04	> 100	3.16	5.50	12.51	10 ^{-2.62}
194	316			0.74	0.71	2195.74	6.32	11.07				7.31	1.2039	3.50	5.88	12.19	10 ^{-2.95}
195	317		9/2 ⁺	0.83	0.62	2207.78	12.04	18.36				1.15	> 100	3.95	6.87	4.43	> 10 ²⁰
196	318			0.84	0.62	2214.11	6.33	18.37				...	β -stable	4.40	7.18	4.04	> 10 ²⁰
197	319		5/2 ⁻	0.85	0.62	2218.91	4.80	11.12				0.62	> 100	4.27	7.47	10.30	10 ^{3.00}
198	320			0.86	0.61	2224.88	5.97	10.76				...	β -stable	4.57	7.77	10.35	10 ^{1.79}
199	321		7/2 ⁻	0.87	0.60	2229.49	4.61	10.58				...	β -stable	8.28	11.83	10.24	10 ^{3.16}
200	322			0.82	0.62	2231.50	2.02	6.63	100.00	0.00	0.00	1.59	13.4435	4.76	8.27	13.90	10 ^{-6.48}
201	323		15/2 ⁻	0.83	0.61	2235.93	4.42	6.44				...	β -stable	4.78	8.48	10.02	10 ^{3.83}
202	324			0.82	0.61	2241.70	5.77	10.19				...	β -stable	5.09	8.88	9.83	10 ^{3.35}
203	325		11/2 ⁺	0.82	0.61	2245.77	4.07	9.85				...	β -stable	5.11	9.07	9.97	10 ^{3.98}
204	326			0.82	0.61	2251.04	5.27	9.34				...	β -stable	5.39	9.41	10.07	10 ^{2.61}
205	327		7/2 ⁻	0.83	0.62	2254.78	3.75	9.02	100.00	0.00	0.00	0.38	> 100	5.43	9.65	10.21	10 ^{3.25}
206	328			0.83	0.63	2259.86	5.07	8.82				...	β -stable	5.68	9.96	10.07	10 ^{2.62}
207	329		1/2 ⁻	0.85	0.61	2263.57	3.72	8.79	100.00	0.00	0.00	0.71	> 100	5.72	10.24	9.86	10 ^{4.33}
208	330			0.86	0.60	2268.52	4.95	8.66				...	β -stable	6.23	10.52	9.68	10 ^{3.85}
209	331		1/2 ⁻	0.89	0.58	2272.15	3.63	8.58	100.00	0.00	0.00	1.05	> 100	5.99	10.78	9.48	10 ^{5.56}
210	332			0.90	0.57	2277.03	4.88	8.51	100.00	0.00	0.00	0.03	> 100	6.28	11.18	9.27	10 ^{5.21}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 122																	
211	333		3/2 ⁻	0.90	0.56	2280.54	3.51	8.39	100.00	0.00	0.00	1.40	> 100	6.30	11.39	9.13	10 ^{6.77}
212	334			0.91	0.57	2285.24	4.70	8.22	100.00	0.00	0.00	0.48	> 100	6.56	11.68	8.90	10 ^{6.53}
213	335		13/2 ⁺	0.92	0.58	2288.43	3.18	7.89	100.00	0.00	0.00	2.04	> 100	4.44	9.76	9.02	10 ^{7.16}
214	336			0.87	0.60	2292.49	4.06	7.24	100.00	0.00	0.00	1.43	82.0124	6.60	11.77	9.38	10 ^{4.84}
215	337		11/2 ⁺	0.86	0.60	2295.78	3.29	7.35	100.00	0.00	0.00	2.15	> 100	6.58	12.22	11.18	10 ^{0.56}
216	338			0.85	0.60	2300.35	4.57	7.86	100.00	0.00	0.00	1.05	> 100	7.03	12.27	8.67	10 ^{7.39}
217	339		13/2 ⁺	0.83	0.62	2303.39	3.04	7.61	100.00	0.00	0.00	2.60	> 100	6.71	12.31	8.46	10 ^{9.25}
Z = 123																	
174	297	1/2 ⁻		0.73	0.68	2066.96						8.17	0.4506	-2.03	-2.34	14.97	10 ^{-7.39}
175	298	1/2 ⁻	17/2 ⁺	0.73	0.67	2074.03	7.07					9.44	0.8085	-1.88	-2.39	15.27	10 ^{-7.55}
176	299	1/2 ⁻		0.73	0.66	2082.46	8.43	15.50				7.75	1.0073	-1.80	-1.83	15.14	10 ^{-7.67}
177	300	3/2 ⁻	11/2 ⁻	0.73	0.66	2089.57	7.11	15.53				9.29	0.9870	-1.43	-1.53	15.15	10 ^{-7.35}
178	301	7/2 ⁻		0.73	0.67	2098.32	8.76	15.86				7.22	0.6548	-1.31	-0.66	14.26	10 ^{-6.15}
179	302	7/2 ⁻	7/2 ⁺	0.73	0.65	2105.45	7.13	15.89				7.74	1.1348	-0.87	-0.29	13.94	10 ^{-5.21}
180	303	7/2 ⁻		0.73	0.64	2113.60	8.15	15.28				5.34	2.2611	-0.37	0.55	13.67	10 ^{-5.04}
181	304	1/2 ⁻	3/2 ⁺	0.74	0.56	2118.71	5.10	13.25				7.38	11.7603	-1.02	-0.43	15.33	10 ^{-7.64}
182	305	1/2 ⁻		0.74	0.56	2125.88	7.17	12.27				5.93	11.7263	-1.00	-0.09	15.48	10 ^{-8.23}
183	306	1/2 ⁻	1/2 ⁺	0.74	0.60	2131.89	6.02	13.19				6.75	17.8212	-0.69	0.22	15.54	10 ^{-7.98}
184	307	3/2		0.74	0.63	2138.71	6.82	12.84				4.68	39.9546	-0.72	0.51	15.55	10 ^{-8.34}
185	308	3/2	3/2	0.72	0.64	2143.80	5.09	11.91				6.26	41.4213	-0.37	1.09	16.16	10 ^{-8.95}
186	309	3/2		0.73	0.65	2150.51	6.71	11.80				4.40	25.6102	-0.32	1.17	15.99	10 ^{-9.02}
187	310	3/2	1/2	0.73	0.67	2155.86	5.34	12.06				5.41	> 100	0.17	1.94	15.15	10 ^{-7.34}
188	311	3/2		0.73	0.68	2162.37	6.51	11.86				3.91	47.6136	0.32	2.34	15.27	10 ^{-7.88}
189	312	3/2	1/2	0.73	0.69	2167.79	5.42	11.94				4.84	> 100	0.73	2.94	14.42	10 ^{-6.09}
190	313	3/2		0.73	0.70	2174.21	6.42	11.84				3.26	> 100	0.80	3.41	14.11	10 ^{-5.87}
191	314	3/2	7/2	0.73	0.71	2179.41	5.20	11.62				4.47	> 100	1.16	3.85	13.73	10 ^{-4.82}
192	315	3/2		0.73	0.71	2185.88	6.47	11.67				2.76	> 100	1.21	4.28	13.22	10 ^{-4.14}
193	316	3/2	9/2	0.74	0.71	2190.97	5.09	11.56				3.99	> 100	1.54	4.70	12.89	10 ^{-3.11}
194	317	3/2		0.74	0.71	2197.31	6.35	11.44	100.00	0.00	0.00	±	±	1.58	5.07	12.58	10 ^{-2.79}
195	318	7/2 ⁻	9/2 ⁺	0.83	0.62	2210.01	12.69	19.04				3.32	82.2217	2.22	6.18	4.55	> 10 ²⁰
196	319	7/2 ⁻		0.83	0.62	2216.21	6.20	18.90				1.91	90.9818	2.10	6.50	4.33	> 10 ²⁰
197	320	3/2 ⁺	5/2 ⁻	0.84	0.62	2221.43	5.22	11.42				2.66	> 100	2.52	6.79	10.70	10 ^{2.21}
198	321	3/2 ⁺		0.85	0.61	2227.42	5.99	11.21				1.28	> 100	2.55	7.11	10.59	10 ^{2.19}
199	322	5/2 ⁺	7/2 ⁻	0.86	0.61	2232.31	4.89	10.89				...	β -stable	2.83	11.11	10.62	10 ^{2.44}
200	323	5/2 ⁺		0.81	0.62	2234.35	2.04	6.93	100.00	0.00	0.00	±	±	2.85	7.61	14.25	10 ^{-6.13}
201	324	5/2 ⁺	15/2 ⁻	0.82	0.61	2238.94	4.59	6.62	100.00	0.00	0.00	±	±	3.01	7.79	10.56	10 ^{2.60}
202	325	5/2 ⁺		0.82	0.61	2244.74	5.80	10.39				0.25	> 100	3.04	8.12	10.30	10 ^{3.01}
203	326	5/2 ⁺	11/2 ⁺	0.82	0.61	2249.10	4.37	10.17	100.00	0.00	0.00	±	±	3.33	8.44	10.34	10 ^{3.24}
204	327	5/2 ⁺		0.82	0.61	2254.38	5.27	9.64				...	β -stable	3.34	8.73	10.53	10 ^{2.35}
205	328	5/2 ⁺	7/2 ⁻	0.82	0.62	2258.41	4.03	9.31	100.00	0.00	0.00	±	±	3.63	9.06	10.55	10 ^{2.64}
206	329	5/2 ⁺		0.82	0.63	2263.51	5.09	9.13	100.00	0.00	0.00	0.35	> 100	3.65	9.33	10.43	10 ^{2.63}
207	330	5/2 ⁺	1/2 ⁻	0.83	0.62	2267.48	3.97	9.06	100.00	0.00	0.00	±	±	3.90	9.62	10.17	10 ^{3.74}
208	331	5/2 ⁺		0.84	0.62	2272.42	4.95	8.92	100.00	0.00	0.00	0.84	> 100	3.90	10.13	10.05	10 ^{3.78}
209	332	1/2 ⁺	1/2 ⁻	0.88	0.58	2276.28	3.86	8.80	100.00	0.00	0.00	2.21	> 100	4.13	10.12	9.88	10 ^{4.66}
210	333	1/2 ⁺		0.89	0.57	2281.16	4.88	8.73	100.00	0.00	0.00	1.22	> 100	4.13	10.41	9.43	10 ^{5.76}
211	334	1/2 ⁺	3/2 ⁻	0.90	0.56	2284.94	3.78	8.66	100.00	0.00	0.00	2.60	> 100	4.40	10.69	9.52	10 ^{5.82}
212	335	1/2 ⁺		0.90	0.57	2289.68	4.74	8.52	100.00	0.00	0.00	1.65	> 100	4.44	11.00	9.36	10 ^{6.00}
213	336	1/2 ⁺	13/2 ⁺	0.91	0.58	2293.14	3.45	8.20	100.00	0.00	0.00	3.24	> 100	4.71	9.15	9.40	10 ^{6.20}
214	337	3/2 ⁻		0.87	0.59	2297.15	4.01	7.47	100.00	0.00	0.00	2.68	16.9966	4.66	11.26	9.83	10 ^{4.46}
215	338	3/2 ⁻	11/2 ⁺	0.87	0.59	2300.62	3.47	7.48	100.00	0.00	0.00	4.42	17.5615	4.84	11.42	11.67	10 ^{-0.33}
216	339	1/2 ⁻		0.86	0.60	2305.21	4.59	8.06	100.00	0.00	0.00	2.17	24.7333	4.86	11.89	8.97	10 ^{7.38}
Z = 124																	
176	300			0.78	0.59	2081.66						7.12	1.0085	-0.80	-2.59	15.63	10 ^{-9.02}
177	301		7/2 ⁺	0.77	0.59	2088.94	7.28					8.60	0.8187	-0.62	-2.05	15.27	10 ^{-7.37}
178	302			0.72	0.67	2098.66	9.72	17.00				6.01	0.7804	0.34	-0.98	13.89	10 ^{-5.99}
179	303		7/2 ⁺	0.72	0.65	2105.83	7.17	16.89				6.99	1.1465	0.38	-0.49	13.46	10 ^{-4.07}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 124																	
180	304			0.72	0.65	2114.30	8.46	15.64				3.63	4.2864	0.69	0.32	13.64	$10^{-5.49}$
181	305		1/2 ⁻	0.72	0.64	2121.19	6.89	15.36				3.90	10.2601	2.48	1.47	13.43	$10^{-4.02}$
182	306			0.76	0.56	2125.95	4.76	11.65				5.16	2.4824	0.08	-0.92	16.32	$10^{-10.10}$
183	307		1/2 ⁺	0.76	0.60	2131.98	6.02	10.78				5.95	3.3480	0.08	-0.61	16.05	$10^{-8.61}$
184	308			0.75	0.62	2139.03	7.05	13.08				3.99	4.6963	0.32	-0.40	16.14	$10^{-9.81}$
185	309		3/2	0.74	0.64	2144.39	5.36	12.42				5.34	6.1239	0.60	0.22	16.49	$10^{-9.27}$
186	310			0.74	0.65	2151.40	7.00	12.37				3.68	3.9588	0.88	0.56	16.33	$10^{-10.10}$
187	311		5/2	0.73	0.67	2156.96	5.57	12.57				4.63	14.8547	1.11	1.27	15.51	$10^{-7.76}$
188	312			0.73	0.68	2163.84	6.87	12.44				3.17	5.6753	1.47	1.78	15.30	$10^{-8.48}$
189	313		1/2	0.73	0.69	2169.33	5.50	12.37				4.10	30.4636	1.54	2.27	14.65	$10^{-6.32}$
190	314			0.74	0.70	2176.11	6.78	12.28				2.52	13.6542	1.90	2.70	14.24	$10^{-6.64}$
191	315		7/2	0.74	0.71	2181.38	5.26	12.05				3.72	80.2312	1.97	3.12	13.98	$10^{-5.10}$
192	316			0.74	0.71	2188.20	6.82	12.09				1.99	39.6197	2.32	3.53	13.51	$10^{-5.25}$
193	317		5/2 ⁺	0.74	0.66	2199.70	11.50	18.32				...	β -stable	8.73	10.28	6.85	$10^{17.56}$
194	318			0.82	0.63	2207.95	8.25	19.75				1.28	> 100	10.63	12.21	5.01	> 10^{20}
195	319		9/2 ⁺	0.82	0.62	2213.26	5.31	13.56				2.17	> 100	3.26	5.48	4.46	> 10^{20}
196	320			0.83	0.62	2219.90	6.64	11.95				0.74	> 100	3.69	5.79	4.13	> 10^{20}
197	321		5/2 ⁻	0.84	0.62	2225.03	5.12	11.77				1.61	> 100	3.60	6.12	11.05	$10^{1.49}$
198	322			0.85	0.61	2231.32	6.30	11.42				0.21	> 100	3.90	6.45	11.08	$10^{0.34}$
199	323		7/2 ⁻	0.85	0.61	2236.24	4.92	11.22				...	β -stable	3.93	6.76	10.96	$10^{1.74}$
200	324			0.85	0.61	2242.31	6.07	10.99				...	β -stable	7.96	10.81	10.86	$10^{0.96}$
201	325		15/2 ⁻	0.82	0.61	2242.98	0.67	6.74	100.00	0.00	0.00	$\pm$	$\pm$	4.04	7.05	14.80	$10^{-6.58}$
202	326			0.82	0.60	2248.97	5.99	6.66				...	β -stable	4.24	7.27	10.83	$10^{1.05}$
203	327		11/2 ⁺	0.81	0.61	2253.44	4.47	10.47	100.00	0.00	0.00	$\pm$	$\pm$	4.34	7.67	10.78	$10^{2.25}$
204	328			0.82	0.60	2259.00	5.56	10.03				...	β -stable	4.62	7.96	10.99	$10^{0.58}$
205	329		7/2 ⁻	0.81	0.61	2263.07	4.07	9.63				...	β -stable	4.66	8.29	10.99	$10^{1.66}$
206	330			0.81	0.62	2268.46	5.38	9.45				...	β -stable	4.95	8.60	10.88	$10^{0.90}$
207	331		1/2 ⁻	0.83	0.61	2272.48	4.03	9.41				...	β -stable	5.01	8.91	10.60	$10^{2.75}$
208	332			0.84	0.60	2277.70	5.22	9.25				...	β -stable	5.28	9.18	10.45	$10^{2.12}$
209	333		1/2 ⁻	0.86	0.58	2281.59	3.89	9.11	100.00	0.00	0.00	0.22	> 100	5.31	9.44	10.28	$10^{3.69}$
210	334			0.88	0.56	2286.75	5.16	9.05				...	β -stable	5.60	9.73	10.06	$10^{3.29}$
211	335		3/2 ⁻	0.89	0.56	2290.55	3.80	8.96	100.00	0.00	0.00	0.48	> 100	5.61	10.01	9.90	$10^{4.87}$
212	336			0.90	0.57	2295.59	5.04	8.84				...	β -stable	5.91	10.35	9.73	$10^{4.34}$
213	337		13/2 ⁺	0.91	0.58	2299.04	3.45	8.49	100.00	0.00	0.00	1.10	> 100	5.91	10.62	9.79	$10^{5.21}$
214	338			0.72	0.63	2304.25	5.21	8.66				...	β -stable	7.11	11.77	9.28	$10^{5.85}$
215	339		9/2 ⁻	0.87	0.59	2306.60	2.34	7.55	100.00	0.00	0.00	2.33	21.7070	5.98	10.82	10.12	$10^{4.16}$
Z = 125																	
178	303	11/2 ⁺		0.72	0.67	2097.27						7.78	0.3550	-1.39	-1.06	13.49	$10^{-4.18}$
179	304	11/2 ⁺	7/2 ⁺	0.72	0.66	2104.68	7.41					8.83	0.6493	-1.15	-0.77	13.18	$10^{-3.21}$
180	305	11/2 ⁺		0.72	0.65	2113.24	8.56	15.97				7.17	0.6579	-1.06	-0.36	13.38	$10^{-3.96}$
181	306	1/2 ⁻	3/2 ⁺	0.79	0.56	2116.54	3.30	11.86				8.63	2.0152	-4.65	-2.17	17.21	$10^{-10.06}$
182	307	1/2 ⁻		0.79	0.57	2124.00	7.45	10.76				7.20	1.9416	-1.96	-1.88	17.91	$10^{-11.34}$
183	308	1/2	3/2	0.78	0.60	2130.24	6.25	13.70				8.00	2.5454	-1.73	-1.65	16.76	$10^{-9.42}$
184	309	1/2		0.76	0.63	2137.31	7.07	13.32				6.30	2.8389	-1.72	-1.40	16.86	$10^{-9.90}$
185	310	1/2	3/2	0.75	0.64	2143.12	5.81	12.88				7.49	3.9795	-1.27	-0.68	17.06	$10^{-9.85}$
186	311	1/2 ⁻		0.79	0.67	2150.03	6.91	12.72				6.14	2.3852	-1.36	-0.48	16.97	$10^{-10.07}$
187	312	1/2	5/2	0.75	0.68	2156.25	6.21	13.12				6.81	8.0568	-0.71	0.39	15.85	$10^{-8.04}$
188	313	1/2		0.75	0.69	2163.26	7.02	13.23				5.29	4.1386	-0.57	0.89	15.54	$10^{-7.89}$
189	314	1/2	5/2	0.76	0.70	2169.12	5.86	12.88				6.21	18.7333	-0.21	1.33	15.03	$10^{-6.70}$
190	315	1/2		0.76	0.71	2175.96	6.84	12.70				4.63	8.7029	-0.15	1.75	14.70	$10^{-6.47}$
191	316	1/2	7/2	0.76	0.71	2181.65	5.69	12.53				5.77	30.6574	0.27	2.24	14.44	$10^{-5.65}$
192	317	1/2		0.76	0.72	2188.43	6.78	12.46				10.49	0.3465	0.23	2.55	14.08	$10^{-5.33}$
193	318	11/2 ⁺	5/2 ⁺	0.72	0.66	2201.00	12.58	19.35				6.16	11.3812	1.30	10.04	6.70	$10^{18.86}$
194	319	7/2 ⁻		0.82	0.63	2209.18	8.18	20.75				3.30	61.3423	1.23	11.87	4.99	> 10^{20}
195	320	7/2 ⁻	9/2 ⁺	0.82	0.63	2214.79	5.61	13.78				4.33	80.6794	1.53	4.78	4.47	> 10^{20}
196	321	7/2 ⁻		0.83	0.62	2221.34	6.55	12.16				2.91	> 100	1.44	5.13	4.27	> 10^{20}
197	322	5/2 ⁺	5/2 ⁻	0.84	0.62	2226.89	5.55	12.10				3.65	> 100	1.86	5.46	11.41	$10^{0.89}$

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 125																	
198	323	5/2 ⁺		0.85	0.61	2233.20	6.31	11.86				2.26	> 100	1.88	5.78	11.31	10 ^{0.82}
199	324	3/2 ⁺	7/2 ⁻	0.85	0.61	2238.41	5.20	11.52				3.12	95.3980	2.16	6.09	11.32	10 ^{1.14}
200	325	3/2 ⁺		0.85	0.61	2244.50	6.09	11.30				...	β -stable	2.18	10.15	11.22	10 ^{1.05}
201	326	7/2 ⁻	15/2 ⁻	0.82	0.61	2245.29	0.79	6.88	100.00	0.00	0.00	$\pm$	$\pm$	2.31	6.35	15.32	10 ^{-7.19}
202	327	3/2 ⁺		0.85	0.62	2255.13	9.85	10.64				...	β -stable	6.16	10.40	7.51	10 ^{14.26}
203	328	9/2 ⁻	11/2 ⁺	0.81	0.60	2256.08	0.95	10.79				2.14	> 100	2.64	6.98	11.15	10 ^{1.58}
204	329	7/2 ⁻		0.81	0.60	2261.64	5.56	6.51				0.65	> 100	2.64	7.26	11.39	10 ^{0.61}
205	330	7/2 ⁻	7/2 ⁻	0.81	0.61	2266.00	4.36	9.92	100.00	0.00	0.00	$\pm$	$\pm$	2.93	7.59	11.40	10 ^{0.92}
206	331	7/2 ⁻		0.80	0.63	2271.47	5.47	9.83				0.23	> 100	3.02	7.97	11.20	10 ^{1.09}
207	332	7/2 ⁻	1/2 ⁻	0.83	0.61	2275.71	4.23	9.70	100.00	0.00	0.00	$\pm$	$\pm$	3.22	8.23	11.00	10 ^{1.98}
208	333	7/2 ⁻		0.82	0.62	2281.03	5.33	9.56				...	β -stable	3.33	8.61	10.77	10 ^{2.28}
209	334	7/2 ⁻	1/2 ⁻	0.86	0.58	2285.09	4.06	9.39	100.00	0.00	0.00	$\pm$	$\pm$	3.50	8.82	10.68	10 ^{2.89}
210	335	7/2 ⁻		0.87	0.56	2290.25	5.16	9.22	100.00	0.00	0.00	0.23	> 100	3.50	9.09	10.47	10 ^{3.15}
211	336	7/2 ⁻	3/2 ⁻	0.88	0.56	2294.30	4.05	9.21	100.00	0.00	0.00	$\pm$	$\pm$	3.75	9.36	10.27	10 ^{4.07}
212	337	7/2 ⁻		0.88	0.57	2299.36	5.06	9.11	100.00	0.00	0.00	0.65	> 100	3.77	9.68	10.09	10 ^{4.28}
213	338	7/2 ⁻	13/2 ⁺	0.89	0.58	2303.12	3.76	8.82	100.00	0.00	0.00	$\pm$	$\pm$	4.07	9.98	10.12	10 ^{4.55}
214	339	5/2 ⁺		0.73	0.63	2308.15	5.03	8.79	100.00	0.00	0.00	0.92	> 100	3.89	11.00	9.83	10 ^{5.11}
Z = 126																	
180	306			0.71	0.65	2113.28						2.48	10.4745	0.04	-1.02	13.68	10 ^{-5.08}
181	307		1/2 ⁻	0.71	0.64	2120.50	7.23					2.71	72.1023	3.96	-0.69	13.62	10 ^{-3.91}
182	308			0.80	0.58	2123.28	2.77	10.00				6.19	0.6708	-0.72	-2.67	19.32	10 ^{-13.69}
183	309		3/2	0.79	0.61	2129.58	6.30	9.08				6.95	0.8613	-0.66	-2.39	19.91	10 ^{-13.31}
184	310			0.82	0.63	2137.24	7.66	13.97				5.10	1.0378	-0.07	-1.79	17.00	10 ^{-10.68}
185	311		3/2	0.77	0.66	2143.20	5.95	13.61				6.06	1.5913	0.07	-1.20	17.08	10 ^{-9.72}
186	312			0.77	0.67	2150.80	7.61	13.56				4.66	1.0803	0.77	-0.59	16.52	10 ^{-9.98}
187	313		5/2	0.76	0.68	2156.72	5.92	13.53				5.76	2.0898	0.48	-0.24	15.97	10 ^{-8.06}
188	314			0.77	0.69	2164.00	7.28	13.20				4.34	1.1976	0.74	0.17	15.69	10 ^{-8.68}
189	315		1/2	0.77	0.71	2169.94	5.93	13.21				5.25	3.1328	0.81	0.60	15.32	10 ^{-7.01}
190	316			0.77	0.71	2177.10	7.16	13.10				3.77	1.9565	1.13	0.99	15.03	10 ^{-7.59}
191	317		7/2	0.77	0.72	2182.88	5.78	12.95				4.76	5.0527	1.23	1.50	14.75	10 ^{-6.02}
192	318			0.77	0.72	2189.95	7.07	12.85	100.00	0.00	0.00	$\pm$	$\pm$	1.52	1.75	14.46	10 ^{-6.57}
193	319		5/2 ⁺	0.71	0.66	2203.23	13.28	20.35				5.17	9.2398	2.23	3.53	6.44	> 10 ²⁰
194	320			0.71	0.67	2209.86	6.63	19.91				4.14	7.0659	0.68	1.91	6.63	10 ^{18.60}
195	321		9/2 ⁺	0.82	0.63	2217.35	7.49	14.12				3.21	38.9267	2.56	4.09	10.65	10 ^{3.23}
196	322			0.83	0.63	2224.33	6.98	14.47				1.78	53.0651	2.99	4.43	11.91	10 ^{-1.20}
197	323		5/2 ⁻	0.83	0.62	2229.81	5.47	12.46				2.61	69.1478	2.92	4.78	11.75	10 ^{0.27}
198	324			0.84	0.61	2236.44	6.63	12.10				1.19	> 100	3.23	5.11	11.76	10 ^{-0.83}
199	325		7/2 ⁻	0.84	0.61	2241.68	5.25	11.88				2.04	53.8852	3.28	5.44	11.64	10 ^{0.54}
200	326			0.84	0.61	2248.06	6.38	11.63				...	β -stable	3.57	5.75	11.56	10 ^{-0.30}
201	327		15/2 ⁻	0.81	0.61	2248.61	0.55	6.93	100.00	0.00	0.00	$\pm$	$\pm$	3.32	5.63	15.93	10 ^{-8.00}
202	328			0.81	0.60	2254.92	6.30	6.85	100.00	0.00	0.00	$\pm$	$\pm$	-0.22	5.94	15.69	10 ^{-8.69}
203	329		11/2 ⁺	0.81	0.60	2259.68	4.76	11.07	100.00	0.00	0.00	$\pm$	$\pm$	3.60	6.23	11.60	10 ^{0.66}
204	330			0.81	0.60	2265.56	5.88	10.65				...	β -stable	3.92	6.56	11.71	10 ^{-0.69}
205	331		7/2 ⁻	0.81	0.60	2269.94	4.38	10.26				0.75	> 100	3.94	6.87	11.80	10 ^{0.15}
206	332			0.81	0.61	2275.65	5.71	10.09				...	β -stable	4.18	7.19	11.65	10 ^{-0.55}
207	333		1/2 ⁻	0.82	0.61	2279.96	4.32	10.02				0.28	> 100	4.26	7.48	11.40	10 ^{1.15}
208	334			0.84	0.59	2285.44	5.47	9.79				...	β -stable	4.41	7.74	11.31	10 ^{0.32}
209	335		1/2 ⁻	0.85	0.57	2289.70	4.26	9.73				...	β -stable	4.60	8.10	11.08	10 ^{2.01}
210	336			0.86	0.56	2295.14	5.45	9.71				...	β -stable	4.89	8.39	10.85	10 ^{1.57}
211	337		3/2 ⁻	0.87	0.56	2299.22	4.08	9.53				...	β -stable	4.92	8.67	10.66	10 ^{3.18}
212	338			0.87	0.57	2304.55	5.33	9.41				...	β -stable	5.19	8.96	10.50	10 ^{2.60}
213	339		13/2 ⁺	0.88	0.58	2308.28	3.73	9.06	100.00	0.00	0.00	0.19	> 100	5.16	9.24	10.57	10 ^{3.46}
Z = 127																	
183	310	5/2	3/2	0.79	0.64	2127.13						9.34	0.6634	-2.45	-3.12	17.71	10 ^{-10.36}
184	311	5/2		0.79	0.65	2134.88	7.76					7.53	0.7210	-2.36	-2.43	17.41	10 ^{-10.29}
185	312	5/2	5/2	0.79	0.66	2141.30	6.42	14.17				8.72	1.0228	-1.89	-1.82	17.24	10 ^{-9.71}

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 127$																	
186	313	5/2		0.79	0.68	2149.00	7.70	14.12				6.94	0.8225	-1.80	-1.03	16.61	$10^{-9.13}$
187	314	5/2	3/2	0.79	0.69	2155.26	6.26	13.96				7.96	1.7559	-1.46	-0.99	16.16	$10^{-8.10}$
188	315	5/2		0.79	0.70	2162.73	7.47	13.73				6.42	1.0788	-1.27	-0.53	15.60	$10^{-7.55}$
189	316	5/2	7/2	0.79	0.71	2168.88	6.15	13.62				7.43	2.3538	-1.05	-0.24	15.66	$10^{-7.31}$
190	317	5/2		0.79	0.71	2176.10	7.22	13.37				6.00	1.7209	-1.00	0.14	15.46	$10^{-7.32}$
191	318	3/2 ⁺	3/2 ⁺	0.71	0.64	2191.20	15.10	22.32				...	β -stable	8.32	9.55	6.22	$> 10^{20}$
192	319	3/2 ⁺		0.71	0.65	2198.16	6.96	22.06				4.29	21.0095	8.21	9.73	6.10	$> 10^{20}$
193	320	3/2 ⁺	5/2 ⁺	0.71	0.65	2203.78	5.62	12.58				5.30	24.4221	0.55	2.78	6.17	$> 10^{20}$
194	321	3/2 ⁺		0.72	0.67	2210.43	6.65	12.27				6.14	3.6784	0.57	1.25	6.29	$> 10^{20}$
195	322	5/2 ⁺	9/2 ⁺	0.82	0.63	2218.16	7.73	14.38				5.39	18.9422	0.81	3.37	11.14	$10^{2.20}$
196	323	7/2 ⁻		0.83	0.63	2225.19	7.03	14.76				3.83	26.3546	0.86	3.85	12.29	$10^{-1.04}$
197	324	7/2 ⁻	5/2 ⁻	0.83	0.62	2230.95	5.76	12.79				4.70	35.8228	1.15	4.06	12.13	$10^{-0.34}$
198	325	7/2 ⁻		0.83	0.61	2237.59	6.64	12.40				3.31	80.6331	1.16	4.39	12.04	$10^{-0.46}$
199	326	7/2 ⁻	7/2 ⁻	0.83	0.61	2243.11	5.51	12.15				4.18	32.4718	1.42	4.70	12.08	$10^{-0.21}$
200	327	7/2 ⁻		0.83	0.61	2249.52	6.41	11.92				...	β -stable	1.45	5.02	11.98	$10^{-0.31}$
201	328	7/2 ⁻	13/2 ⁻	0.83	0.61	2254.71	5.19	11.60				...	β -stable	6.10	9.42	12.00	$10^{-0.01}$
202	329	7/2 ⁻		0.83	0.62	2260.76	6.05	11.24				...	β -stable	5.85	5.63	12.03	$10^{-0.44}$
203	330	9/2 ⁻	11/2 ⁺	0.80	0.60	2261.59	0.83	6.89	100.00	0.00	0.00	$\pm$	$\pm$	1.92	5.51	11.99	$10^{0.01}$
204	331	9/2 ⁻		0.80	0.60	2267.50	5.90	6.74				1.66	> 100	1.93	5.85	15.94	$10^{-8.09}$
205	332	9/2 ⁻	7/2 ⁻	0.81	0.60	2272.17	4.67	10.57				2.70	> 100	2.22	6.16	12.21	$10^{-0.53}$
206	333	9/2 ⁻		0.81	0.62	2277.89	5.72	10.39				1.30	> 100	2.24	6.41	12.05	$10^{-0.49}$
207	334	9/2 ⁻	1/2 ⁻	0.84	0.60	2282.46	4.57	10.29				2.20	> 100	2.49	6.75	11.84	$10^{0.37}$
208	335	3/2 ⁻		0.82	0.60	2288.09	5.63	10.20				0.82	> 100	2.65	7.06	11.68	$10^{0.44}$
209	336	3/2 ⁻	9/2 ⁻	0.84	0.58	2292.57	4.48	10.11	100.00	0.00	0.00	$\pm$	$\pm$	2.87	7.47	11.43	$10^{1.42}$
210	337	3/2 ⁻		0.85	0.57	2298.04	5.47	9.95				0.40	> 100	2.90	7.79	11.29	$10^{1.46}$
211	338	3/2 ⁻	3/2 ⁻	0.87	0.56	2302.34	4.30	9.77	100.00	0.00	0.00	$\pm$	$\pm$	3.12	8.04	11.05	$10^{2.43}$
212	339	3/2 ⁻		0.87	0.57	2307.69	5.35	9.65				...	β -stable	3.13	8.33	10.86	$10^{2.63}$
$Z = 128$																	
185	313		3/2	0.81	0.67	2140.82						7.40	0.4275	-0.48	-2.38	17.06	$10^{-9.29}$
186	314			0.81	0.68	2148.71	7.89					5.77	0.3448	-0.29	-2.09	16.83	$10^{-10.02}$
187	315		5/2	0.81	0.69	2155.15	6.44	14.33				6.80	0.6284	-0.11	-1.57	16.34	$10^{-8.22}$
188	316			0.81	0.70	2162.80	7.65	14.09				5.30	0.4292	0.07	-1.20	16.30	$10^{-9.22}$
189	317		1/2	0.80	0.71	2169.13	6.33	13.98				6.18	0.9151	0.25	-0.80	15.89	$10^{-7.50}$
190	318			0.80	0.71	2176.67	7.53	13.86	100.00	0.00	0.00	$\pm$	$\pm$	0.57	-0.43	15.63	$10^{-8.15}$
191	319		3/2 ⁺	0.70	0.64	2192.26	15.59	23.13				5.12	7.2556	1.06	9.38	5.97	$> 10^{20}$
192	320			0.70	0.65	2199.46	7.20	22.79				3.54	9.9988	1.30	9.51	5.93	$> 10^{20}$
193	321		5/2 ⁺	0.71	0.65	2205.16	5.70	12.90				4.49	13.4069	1.38	1.92	6.02	$> 10^{20}$
194	322			0.71	0.67	2212.09	6.94	12.63				5.28	2.4771	1.67	2.23	6.15	$> 10^{20}$
195	323		1/2 ⁺	0.71	0.68	2217.42	5.33	12.27				6.99	1.9924	-0.74	0.07	14.10	$10^{-4.36}$
196	324			0.82	0.63	2227.39	9.96	15.29				2.79	11.6904	2.19	3.05	10.77	$10^{2.41}$
197	325		5/2 ⁻	0.82	0.62	2233.16	5.78	15.74				3.65	15.2845	2.21	3.35	12.48	$10^{-0.94}$
198	326			0.82	0.61	2240.14	6.98	12.76				2.18	28.9599	2.55	3.71	12.49	$10^{-2.01}$
199	327		7/2 ⁻	0.82	0.61	2245.71	5.57	12.55				3.02	15.1890	2.61	4.03	12.39	$10^{-0.72}$
200	328			0.82	0.61	2252.41	6.69	12.27				1.52	> 100	2.89	4.34	12.32	$10^{-1.64}$
201	329		13/2 ⁻	0.82	0.62	2257.62	5.21	11.90				2.36	> 100	2.91	9.01	12.36	$10^{-0.66}$
202	330			0.82	0.62	2263.96	6.35	11.56				...	β -stable	3.20	9.05	12.40	$10^{-1.81}$
203	331		11/2 ⁺	0.80	0.60	2264.39	0.42	6.77	100.00	0.00	0.00	$\pm$	$\pm$	2.79	4.71	12.52	$10^{-1.02}$
204	332			0.80	0.60	2270.61	6.23	6.65				0.77	> 100	3.12	5.05	12.60	$10^{-2.27}$
205	333		7/2 ⁻	0.80	0.60	2275.37	4.76	10.99				1.73	> 100	3.21	5.43	12.60	$10^{-1.21}$
206	334			0.81	0.60	2281.35	5.98	10.74				0.32	> 100	3.47	5.71	12.50	$10^{-2.06}$
207	335		1/2 ⁻	0.83	0.60	2286.01	4.66	10.64				1.29	> 100	3.56	6.05	12.22	$10^{-0.33}$
208	336			0.84	0.59	2291.86	5.85	10.51				...	β -stable	3.77	6.42	12.08	$10^{-1.06}$
209	337		1/2 ⁻	0.85	0.57	2296.32	4.47	10.31				0.93	> 100	3.76	6.63	11.94	$10^{0.37}$
210	338			0.86	0.56	2302.06	5.73	10.20				...	β -stable	4.02	6.92	11.67	$10^{-0.04}$
211	339		3/2 ⁻	0.86	0.56	2306.56	4.50	10.24				0.34	> 100	4.22	7.34	11.43	$10^{1.67}$

N	A	Ω_p^π	Ω_n^π	Δ_{LN_p} (MeV)	Δ_{LN_n} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
Z = 129																	
187	316	7/2	3/2	0.83	0.70	2153.10						8.92	0.5828	-2.05	-2.16	16.50	$10^{-8.21}$
188	317	7/2		0.82	0.70	2160.92	7.82					7.43	0.3967	-1.88	-1.81	16.38	$10^{-8.37}$
189	318	9/2 ⁻	13/2 ⁻	0.71	0.62	2177.64	16.72	24.54				...	β -stable	8.51	8.76	5.92	$> 10^{20}$
190	319	9/2 ⁻		0.71	0.63	2185.28	7.64	24.36				6.20	1.1785	8.61	9.18	5.74	$> 10^{20}$
191	320	9/2 ⁻	3/2 ⁺	0.71	0.64	2191.53	6.25	13.89				7.15	1.6534	-0.73	0.33	5.65	$> 10^{20}$
192	321	9/2 ⁻		0.71	0.64	2198.75	7.23	13.47				5.62	1.9135	-0.71	0.59	5.64	$> 10^{20}$
193	322	3/2 ⁻	5/2 ⁺	0.71	0.65	2204.80	6.04	13.27				6.51	6.6295	-0.36	1.02	14.70	$10^{-5.19}$
194	323	3/2 ⁻		0.71	0.66	2211.78	6.98	13.02				4.86	9.4626	-0.32	1.35	14.68	$10^{-5.50}$
195	324	3/2 ⁻	1/2 ⁺	0.72	0.66	2217.44	5.66	12.64				9.17	1.2510	0.01	-0.73	14.64	$10^{-5.09}$
196	325	3/2 ⁺		0.81	0.63	2227.57	10.13	15.79				4.81	6.0730	0.18	2.38	11.15	$10^{2.40}$
197	326	3/2 ⁺	5/2 ⁻	0.81	0.62	2233.67	6.09	16.23				5.69	7.6600	0.50	2.71	12.79	$10^{-1.33}$
198	327	3/2 ⁺		0.81	0.62	2240.64	6.98	13.07				4.29	11.0983	0.50	3.05	12.84	$10^{-1.79}$
199	328	3/2 ⁺	7/2 ⁻	0.82	0.61	2246.51	5.87	12.85				5.11	8.0263	0.80	3.41	12.73	$10^{-1.20}$
200	329	3/2 ⁺		0.82	0.62	2253.24	6.72	12.59				3.60	25.7840	0.83	3.72	12.65	$10^{-1.36}$
201	330	3/2 ⁺	13/2 ⁻	0.81	0.62	2258.73	5.49	12.21				4.45	49.6245	1.11	4.02	12.68	$10^{-1.07}$
202	331	3/2 ⁺		0.81	0.62	2265.10	6.37	11.86				...	β -stable	1.13	4.34	12.72	$10^{-1.50}$
203	332	3/2 ⁻	11/2 ⁺	0.81	0.60	2265.60	0.50	6.87	100.00	0.00	0.00	$\pm$	$\pm$	1.21	4.00	17.40	$10^{-9.54}$
204	333	3/2 ⁻		0.81	0.60	2271.84	6.25	6.75				2.75	> 100	1.23	4.35	17.21	$10^{-9.61}$
205	334	3/2 ⁻	7/2 ⁻	0.81	0.60	2276.89	5.05	11.29				3.68	> 100	1.52	4.73	13.00	$10^{-1.79}$
206	335	3/2 ⁻		0.81	0.60	2282.89	6.00	11.05				2.34	> 100	1.54	5.00	12.90	$10^{-1.92}$
207	336	9/2 ⁻	1/2 ⁻	0.82	0.59	2287.75	4.86	10.86				3.33	> 100	1.74	5.30	12.71	$10^{-1.14}$
208	337	3/2 ⁻		0.77	0.65	2293.53	5.78	10.64				2.01	> 100	1.67	5.45	12.65	$10^{-1.35}$
209	338	3/2 ⁻	11/2 ⁺	0.78	0.63	2298.12	4.59	10.37				3.16	> 100	1.80	5.55	12.63	$10^{-0.96}$
210	339	3/2 ⁺		0.83	0.57	2304.41	6.29	10.88				1.37	> 100	2.35	6.37	11.97	$10^{0.26}$
Z = 130																	
189	319		1/2	0.84	0.72	2167.12						17.38	0.0122	-10.52	-2.02	16.33	$10^{-7.79}$
190	320			0.84	0.72	2175.01	7.90					15.73	0.0110	-10.27	-1.65	16.08	$10^{-8.46}$
191	321		3/2 ⁺	0.71	0.64	2191.60	16.59	24.49				6.37	1.9862	0.08	-0.65	5.82	$> 10^{20}$
192	322			0.71	0.64	2199.23	7.62	24.21				4.79	2.5694	0.47	-0.23	5.74	$> 10^{20}$
193	323		5/2 ⁺	0.71	0.65	2205.23	6.00	13.62				5.77	3.0696	0.43	0.07	15.33	$10^{-6.14}$
194	324			0.71	0.65	2212.58	7.36	13.35				4.07	4.6665	0.81	0.49	15.17	$10^{-6.93}$
195	325		9/2 ⁺	0.81	0.64	2221.51	8.93	16.28				5.28	1.8622	4.08	4.09	11.94	$10^{0.92}$
196	326			0.81	0.63	2229.04	7.53	16.46				3.84	3.5388	1.47	1.66	11.35	$10^{1.40}$
197	327		5/2 ⁻	0.81	0.63	2235.16	6.12	13.65				4.70	4.5873	1.50	2.00	10.56	$10^{4.73}$
198	328			0.81	0.62	2242.44	7.28	13.40				3.29	6.4266	1.80	2.30	13.24	$10^{-3.18}$
199	329		7/2 ⁻	0.81	0.62	2248.31	5.87	13.15				4.14	4.4188	1.80	2.60	13.14	$10^{-1.90}$
200	330			0.81	0.62	2255.33	7.02	12.89				2.61	13.5775	2.10	2.92	13.11	$10^{-2.88}$
201	331		15/2 ⁻	0.80	0.61	2255.46	0.12	7.14	100.00	0.00	0.00	$\pm$	$\pm$	-3.27	-2.16	18.55	$10^{-10.96}$
202	332			0.81	0.63	2267.50	12.04	12.17				...	β -stable	2.40	3.53	13.20	$10^{-3.10}$
203	333		11/2 ⁺	0.80	0.60	2267.80	0.31	12.35	100.00	0.00	0.00	$\pm$	$\pm$	2.20	3.42	18.11	$10^{-10.38}$
204	334			0.80	0.60	2274.33	6.53	6.84				1.78	90.5888	2.49	3.72	17.93	$10^{-11.19}$
205	335		7/2 ⁻	0.80	0.60	2279.37	5.03	11.56				2.74	78.8597	2.48	3.99	13.31	$10^{-2.27}$
206	336			0.81	0.60	2285.66	6.30	11.33				1.30	> 100	2.78	4.31	13.24	$10^{-3.18}$
207	337		9/2 ⁺	0.78	0.62	2290.72	5.06	11.35				2.03	> 100	2.97	4.71	12.95	$10^{-1.47}$
208	338			0.77	0.64	2296.88	6.16	11.22				0.46	> 100	3.35	5.02	12.77	$10^{-2.13}$
209	339		11/2 ⁺	0.78	0.62	2301.41	4.53	10.69				2.21	> 100	3.29	5.09	12.89	$10^{-1.35}$
Z = 131																	
192	323	9/2 ⁻		0.71	0.64	2197.89						6.55	1.0564	-1.34	-0.86	15.69	$10^{-6.82}$
193	324	9/2 ⁻	5/2 ⁺	0.71	0.64	2204.14	6.24					7.66	1.1275	-1.09	-0.66	15.69	$10^{-6.48}$
194	325	9/2 ⁻		0.71	0.66	2211.46	7.32	13.57				9.27	0.2990	-1.12	-0.32	15.59	$10^{-6.66}$
195	326	3/2 ⁻	9/2 ⁺	0.80	0.64	2221.00	9.54	16.86				7.26	1.4203	-0.51	3.56	12.10	$10^{0.85}$
196	327	3/2 ⁻		0.80	0.64	2228.54	7.54	17.08				5.84	2.5200	-0.50	0.97	11.53	$10^{1.96}$
197	328	3/2 ⁻	5/2 ⁻	0.80	0.63	2234.97	6.43	13.97				6.69	3.1847	-0.20	1.30	10.77	$10^{4.46}$
198	329	3/2 ⁻		0.80	0.63	2242.27	7.30	13.73				5.26	4.3988	-0.17	1.63	13.59	$10^{-2.90}$
199	330	3/2 ⁻	7/2 ⁻	0.80	0.63	2248.44	6.17	13.47				6.11	3.2531	0.12	1.93	13.52	$10^{-2.41}$
200	331	3/2 ⁻		0.80	0.63	2255.49	7.05	13.22				...	β -stable	0.16	2.25	13.45	$10^{-2.60}$

N	A	Ω_p^π	Ω_n^π	Δ_{LNp} (MeV)	Δ_{LNn} (MeV)	E_{bind} (MeV)	S_{1n} (MeV)	S_{2n} (MeV)	P_A (%)	P_{A-1} (%)	P_{A-2} (%)	Q_β (MeV)	T_β (s)	S_{1p} (MeV)	S_{2p} (MeV)	Q_α (MeV)	T_α (s)
$Z = 131$																	
201	332	3/2 ⁻	13/2 ⁻	0.80	0.63	2261.27	5.79	12.84				5.44	15.3049	5.82	2.55	13.53	10 ^{-2.43}
202	333	3/2 ⁻		0.80	0.63	2267.97	6.69	12.48				...	β -stable	0.47	2.87	13.56	10 ^{-2.84}
203	334	3/2 ⁺	11/2 ⁺	0.80	0.60	2268.32	0.35	7.04				5.23	31.0905	0.52	2.72	18.70	10 ^{-10.93}
204	335	3/2 ⁺		0.80	0.60	2274.78	6.46	6.81				3.80	35.0800	0.45	2.94	18.61	10 ^{-11.15}
205	336	3/2 ⁺	7/2 ⁻	0.80	0.60	2280.20	5.42	11.88				4.68	43.4524	0.83	3.31	13.70	10 ^{-2.77}
206	337	1/2 ⁻		0.76	0.63	2286.95	6.75	12.16				2.99	> 100	1.28	4.06	13.19	10 ^{-2.05}
207	338	1/2 ⁻	9/2 ⁺	0.77	0.63	2292.07	5.12	11.87				4.03	> 100	1.35	4.32	13.12	10 ^{-1.54}
208	339	1/2 ⁻		0.76	0.64	2298.19	6.12	11.24				2.44	> 100	1.31	4.65	13.00	10 ^{-1.62}
$Z = 132$																	
194	326			0.71	0.65	2211.51						8.70	0.2884	0.05	-1.07	16.01	10 ^{-7.92}
195	327		9/2 ⁺	0.79	0.64	2221.48	9.97					6.28	0.8119	0.48	-0.03	12.04	10 ^{1.22}
196	328			0.79	0.64	2229.31	7.83	17.80				4.88	1.4789	0.77	0.26	11.57	10 ^{1.38}
197	329		5/2 ⁻	0.79	0.63	2235.76	6.45	14.27				5.73	1.8129	0.79	0.59	14.05	10 ^{-3.30}
198	330			0.79	0.63	2243.35	7.59	14.04				4.30	2.3364	1.08	0.91	13.99	10 ^{-4.23}
199	331		7/2 ⁻	0.79	0.63	2249.55	6.20	13.79				5.16	1.8075	1.11	1.23	13.91	10 ^{-3.02}
200	332			0.79	0.63	2256.89	7.34	13.53				3.61	4.2832	1.40	1.55	13.85	10 ^{-3.96}
201	333		15/2 ⁻	0.79	0.62	2256.86	-0.02	7.31				10.32	0.4063	-4.41	1.41	19.75	10 ^{-12.10}
202	334			0.79	0.61	2264.08	7.22	7.20				3.45	8.7070	-3.88	-3.41	19.54	10 ^{-12.92}
203	335		11/2 ⁺	0.80	0.60	2269.88	5.79	13.01				4.12	15.8199	1.56	2.07	13.88	10 ^{-2.94}
204	336			0.79	0.61	2276.59	6.71	12.50				2.83	15.6895	1.81	2.26	19.20	10 ^{-12.50}
205	337		7/2 ⁻	0.79	0.60	2281.97	5.38	12.10				4.19	11.5535	1.77	2.61	14.13	10 ^{-3.45}
206	338			0.80	0.60	2288.58	6.61	12.00				2.70	18.0487	1.64	2.92	14.04	10 ^{-4.34}
207	339		9/2 ⁺	0.76	0.62	2294.33	5.75	12.36				3.07	> 100	2.26	3.61	13.33	10 ^{-1.80}
$Z = 133$																	
196	329	5/2 ⁻		0.79	0.64	2228.16						6.82	1.1106	-1.15	-0.38	11.60	10 ^{2.35}
197	330	5/2 ⁻	5/2 ⁻	0.79	0.63	2234.89	6.74					7.68	1.3931	-0.87	-0.07	14.40	10 ^{-3.70}
198	331	5/2 ⁻		0.79	0.63	2242.51	7.62	14.36				6.25	1.7597	-0.84	0.24	14.32	10 ^{-3.89}
199	332	5/2 ⁻	7/2 ⁻	0.79	0.63	2249.00	6.48	14.10				7.11	1.4103	-0.55	0.56	14.27	10 ^{-3.44}
200	333	1/2 ⁻		0.71	0.67	2250.91	1.92	8.40				5.17	4.3307	-5.97	-4.58	19.66	10 ^{-12.11}
201	334	1/2 ⁻	15/2 ⁻	0.78	0.62	2256.39	5.47	7.39				6.91	5.0440	-0.47	-4.89	20.35	10 ^{-12.59}
202	335	1/2 ⁻		0.79	0.62	2263.52	7.13	12.61				5.57	4.6880	-0.56	-4.45	20.26	10 ^{-12.83}
203	336	1/2 ⁻	11/2 ⁺	0.79	0.60	2269.73	6.21	13.34				6.07	9.9339	-0.14	1.41	19.84	10 ^{-11.99}
204	337	1/2 ⁻		0.79	0.60	2276.59	6.86	13.07				4.60	12.0279	0.00	1.81	19.67	10 ^{-12.13}
205	338	1/2 ⁻	7/2 ⁻	0.79	0.61	2282.15	5.55	12.42				5.66	11.6535	0.17	1.95	14.47	10 ^{-3.83}
206	339	1/2 ⁻		0.73	0.62	2289.58	7.43	12.99				3.97	15.9660	0.99	2.63	13.50	10 ^{-2.20}
$Z = 134$																	
198	332			0.70	0.67	2237.66						10.56	0.3933	-4.86	-5.70	19.95	10 ^{-13.06}
199	333		3/2 ⁻	0.70	0.66	2243.85	6.20					6.28	21.7536	-5.14	-5.69	20.20	10 ^{-12.30}
200	334			0.70	0.66	2251.44	7.58	13.78				4.17	80.9954	0.52	-5.45	20.21	10 ^{-13.38}
201	335		15/2 ⁻	0.77	0.62	2256.88	5.45	13.03				5.86	83.0252	0.50	0.02	20.96	10 ^{-13.17}
202	336			0.78	0.61	2264.49	7.61	13.06				4.46	84.9945	0.97	0.41	20.69	10 ^{-13.93}
203	337		11/2 ⁺	0.78	0.60	2270.57	6.08	13.69				5.24	> 100	0.84	0.69	14.59	10 ^{-3.88}
204	338			0.78	0.59	2277.77	7.20	13.28				3.59	> 100	1.18	1.18	14.61	10 ^{-4.98}
205	339		7/2 ⁻	0.78	0.59	2283.50	5.72	12.93				5.30	> 100	1.35	1.52	14.68	10 ^{-4.04}
$Z = 135$																	
201	336	13/2 ⁺	15/2 ⁻	0.77	0.62	2255.78						7.93	21.5233	-1.10	-0.61	21.51	10 ^{-13.57}
202	337	13/2 ⁺		0.77	0.61	2263.40	7.62					6.39	26.4569	-1.09	-0.12	15.81	10 ^{-6.16}
203	338	13/2 ⁺	11/2 ⁺	0.77	0.60	2269.83	6.43	14.05				7.15	68.4569	-0.73	0.10	14.85	10 ^{-4.09}
204	339	13/2 ⁺		0.77	0.59	2277.03	7.20	13.63				5.68	99.0055	-0.74	0.44	14.78	10 ^{-4.31}
$Z = 136$																	
203	339		11/2 ⁺	0.75	0.60	2270.14						6.11	37.7247	0.31	-0.43	15.04	10 ^{-4.27}