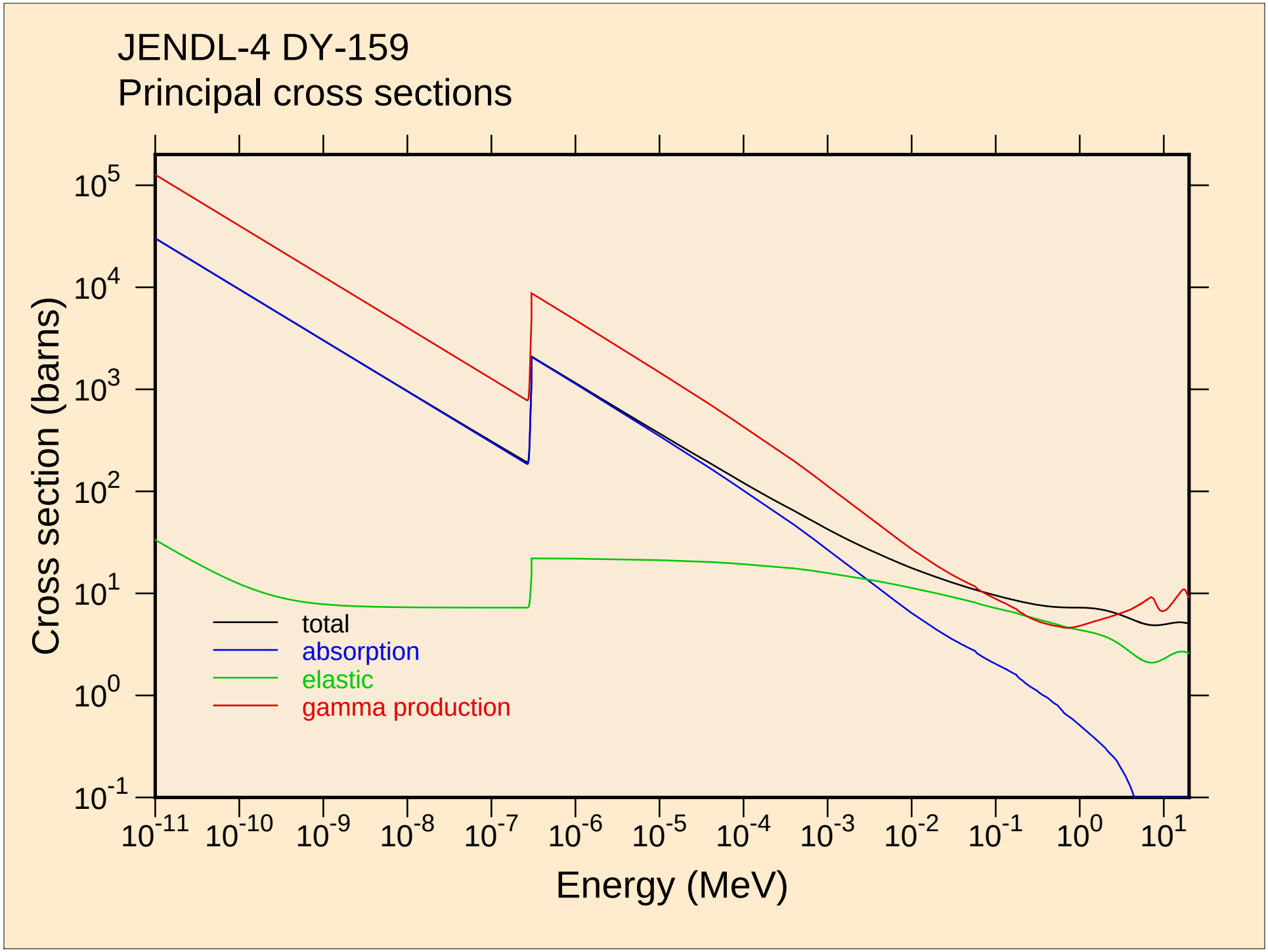
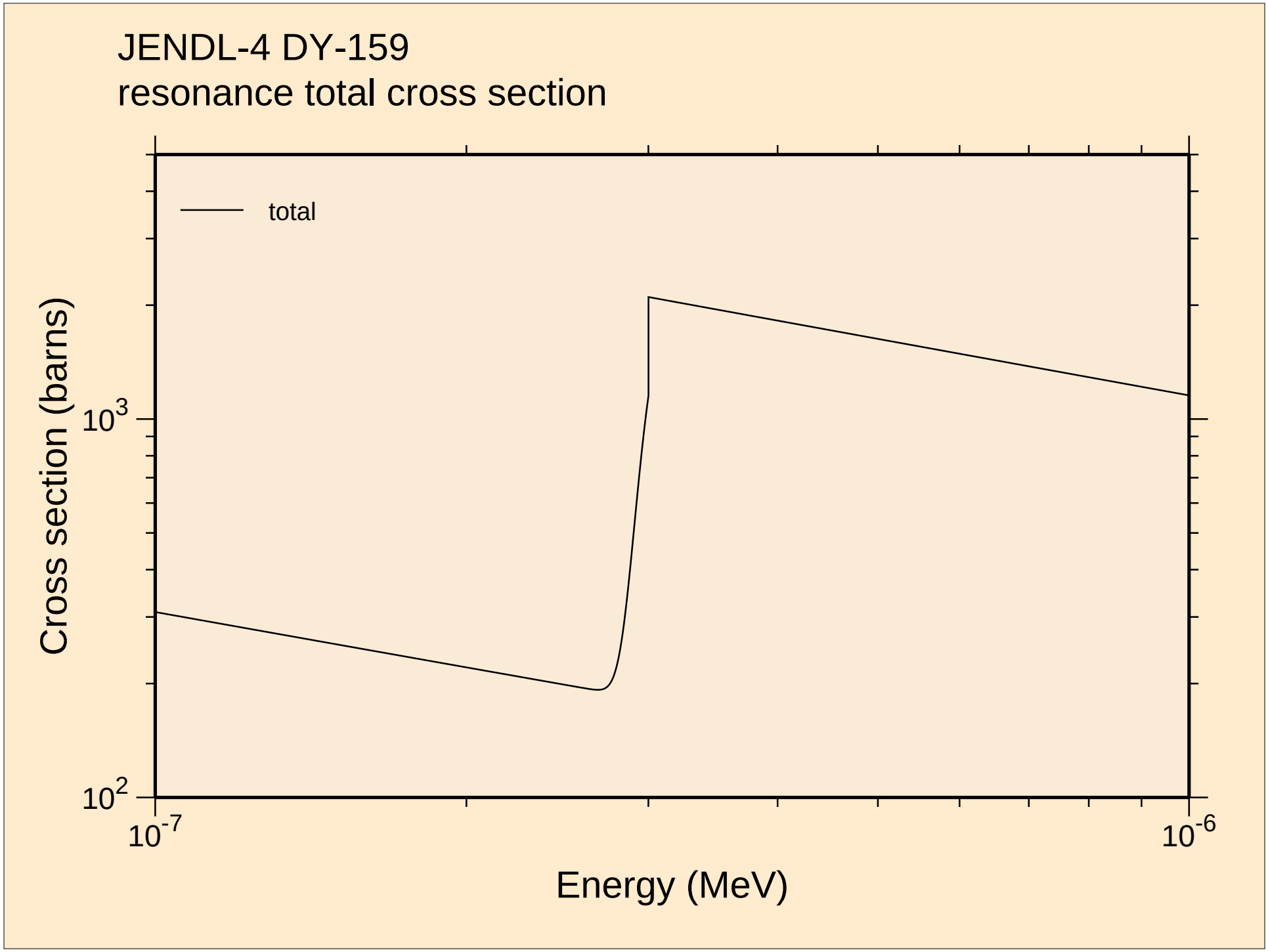
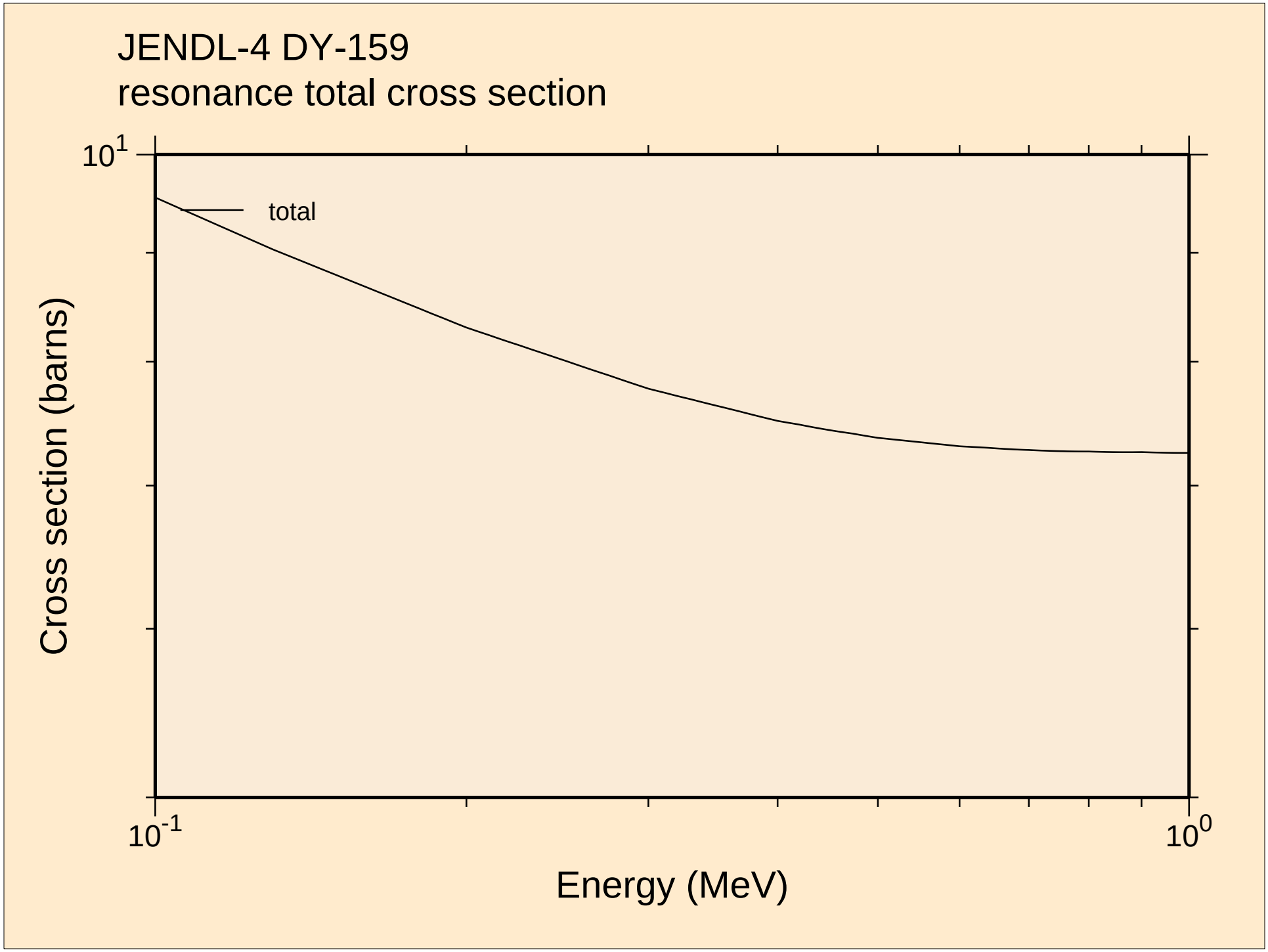
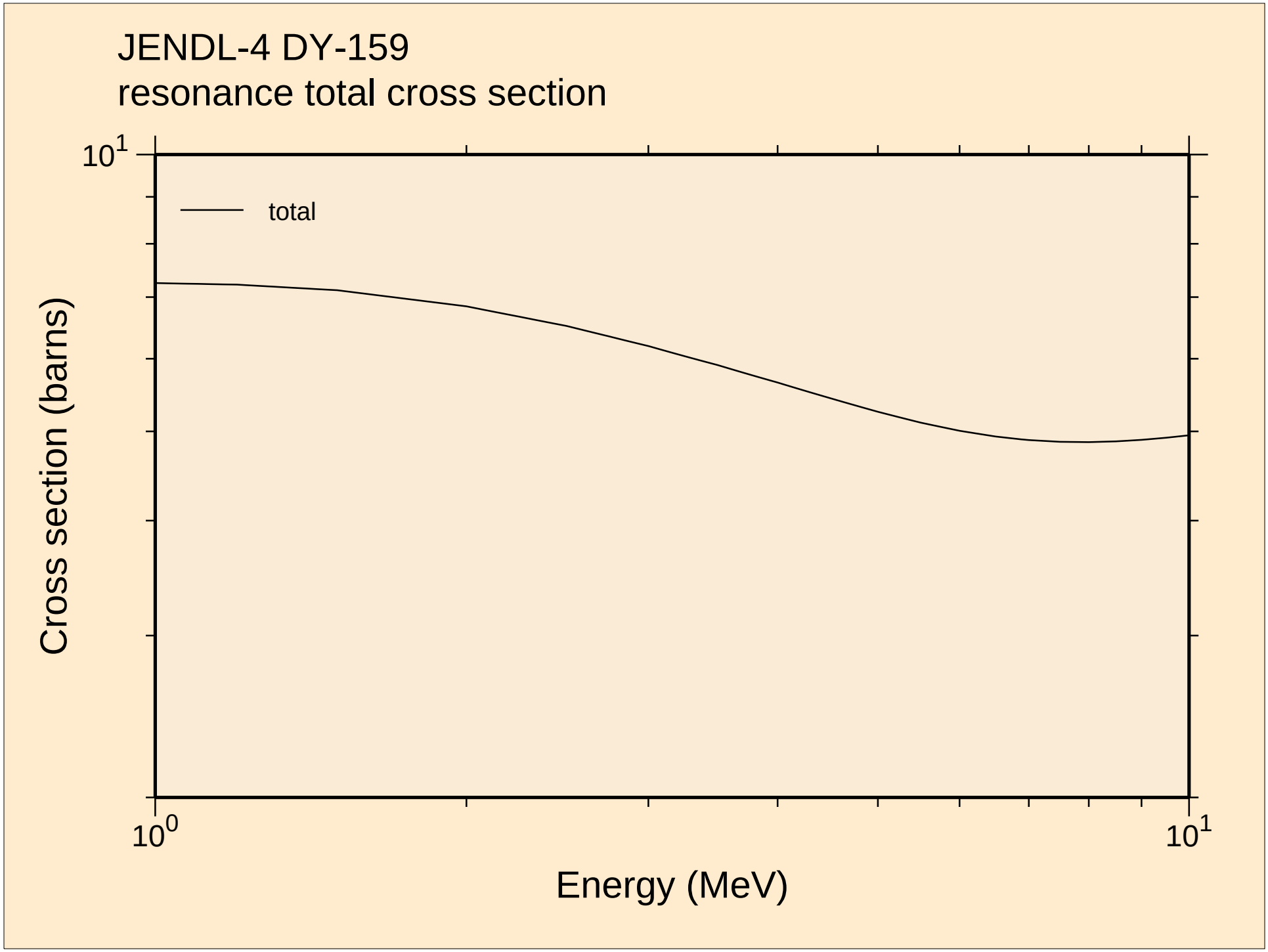
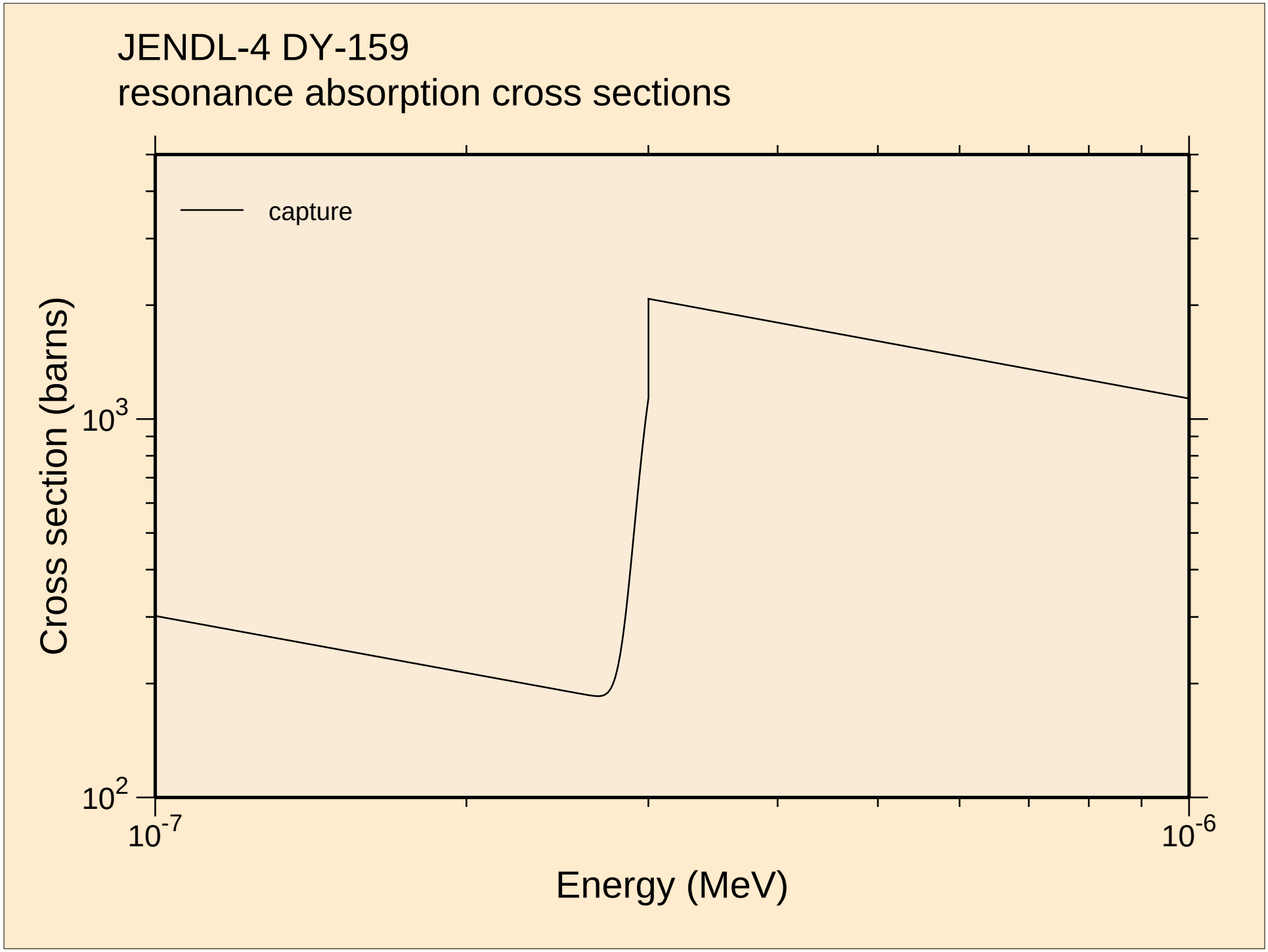
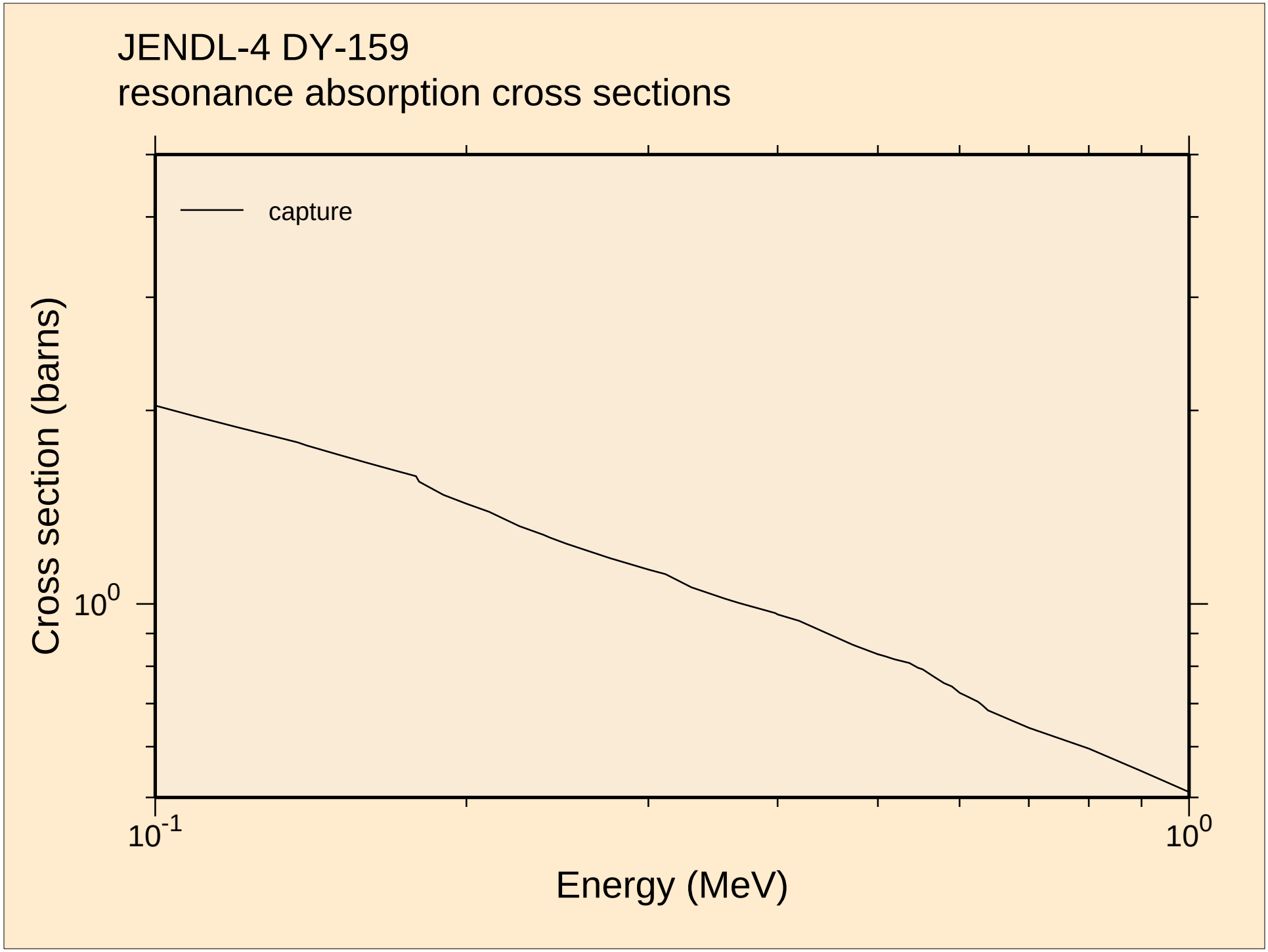

JENDL-4 DY-159
Principal cross sections
Cross section (barns)
Energy (MeV)
total
absorption
elastic
gamma production
10^{5}
10^{4}
10^{3}
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-11}
10^{-10}
10^{-9}
10^{-8}
10^{-7}
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
10^{-1}
10^{0}
10^{1}

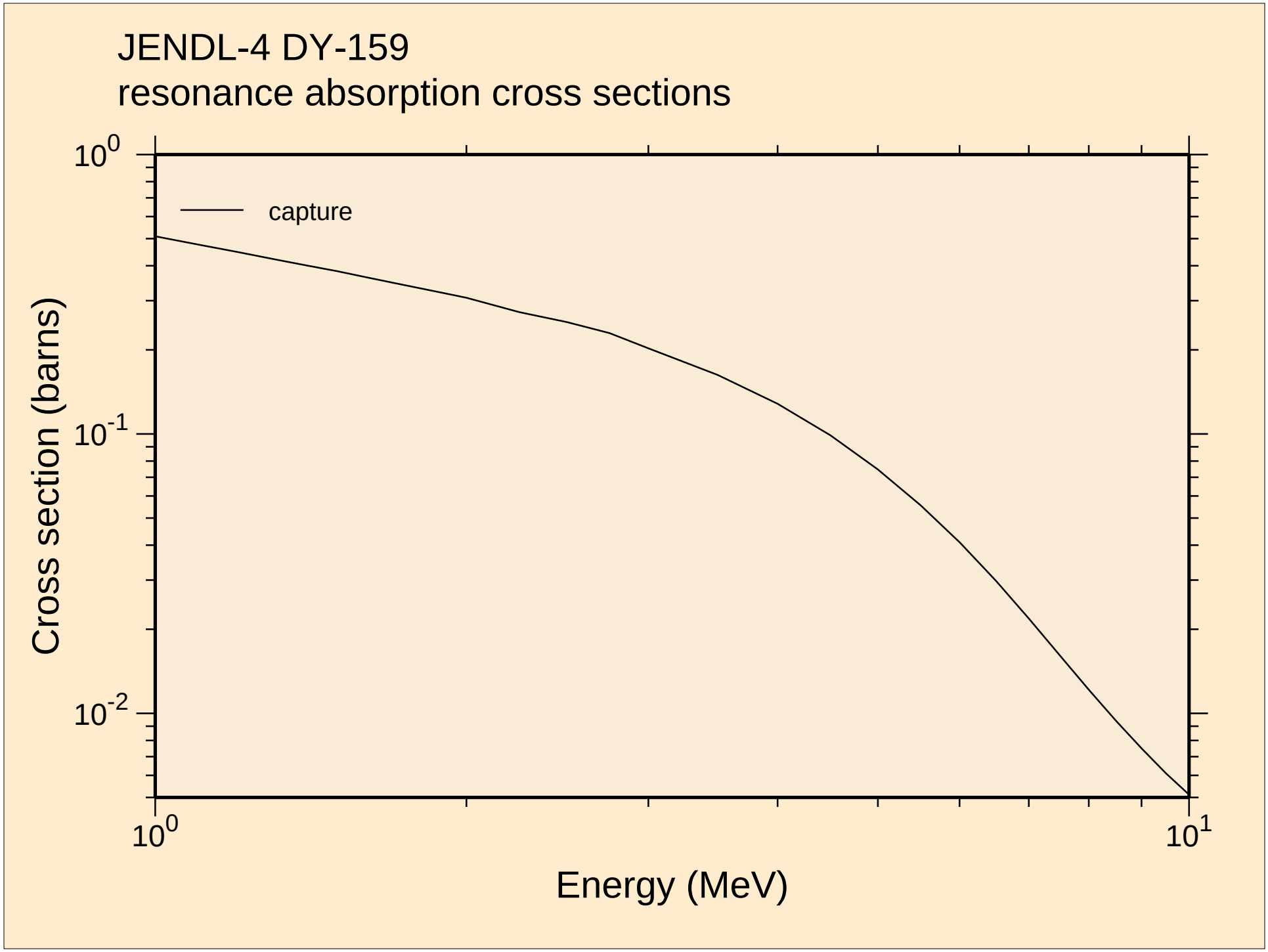

JENDL-4 DY-159
resonance total cross section
total
Cross section (barns)
10^3
10^2
10^{-7}
10^{-6}
Energy (MeV)

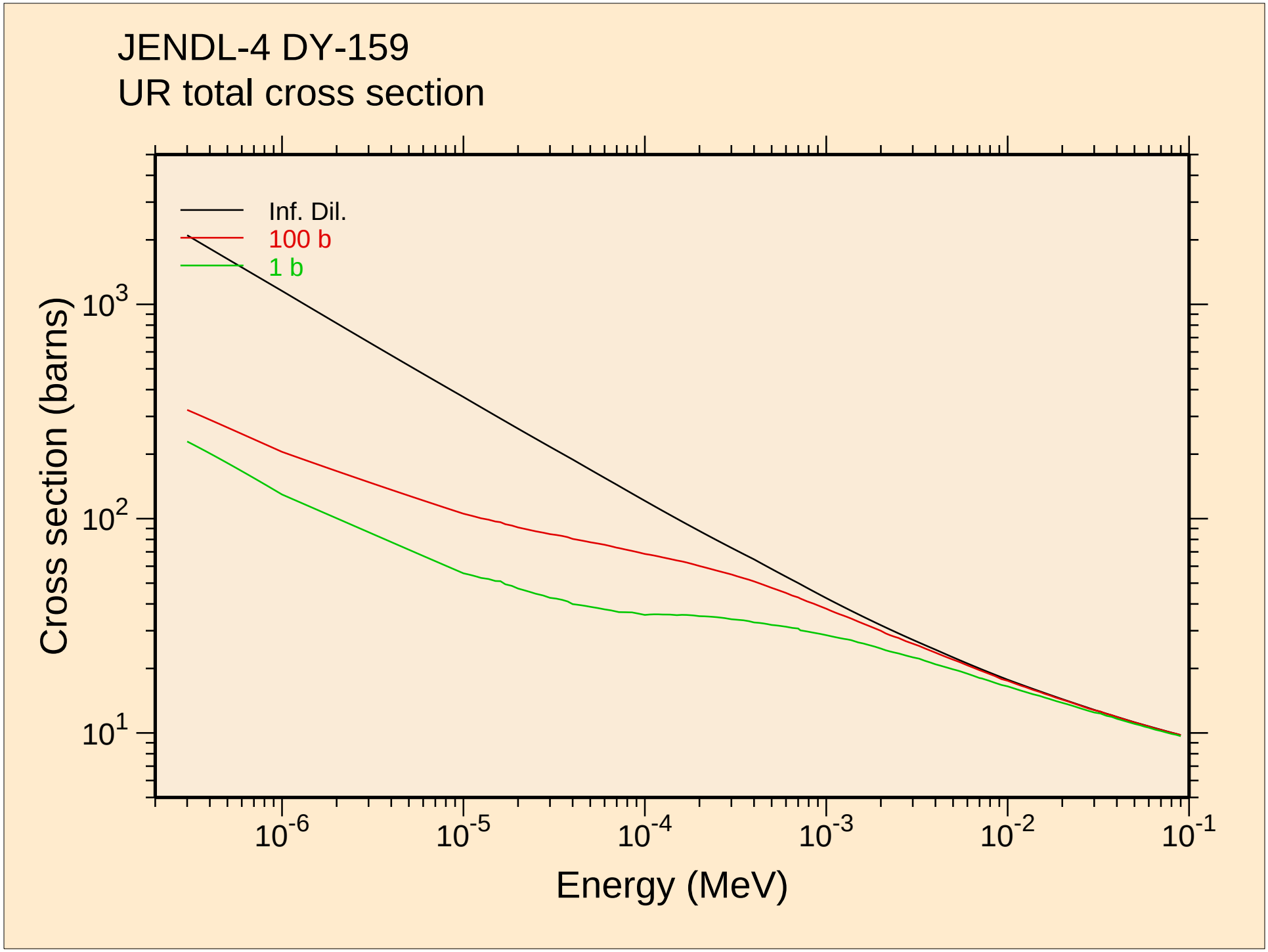

JENDL-4 DY-159
resonance total cross section
total
Cross section (barns)
Energy (MeV)
10^{1}
10^{-1}
10^{0}

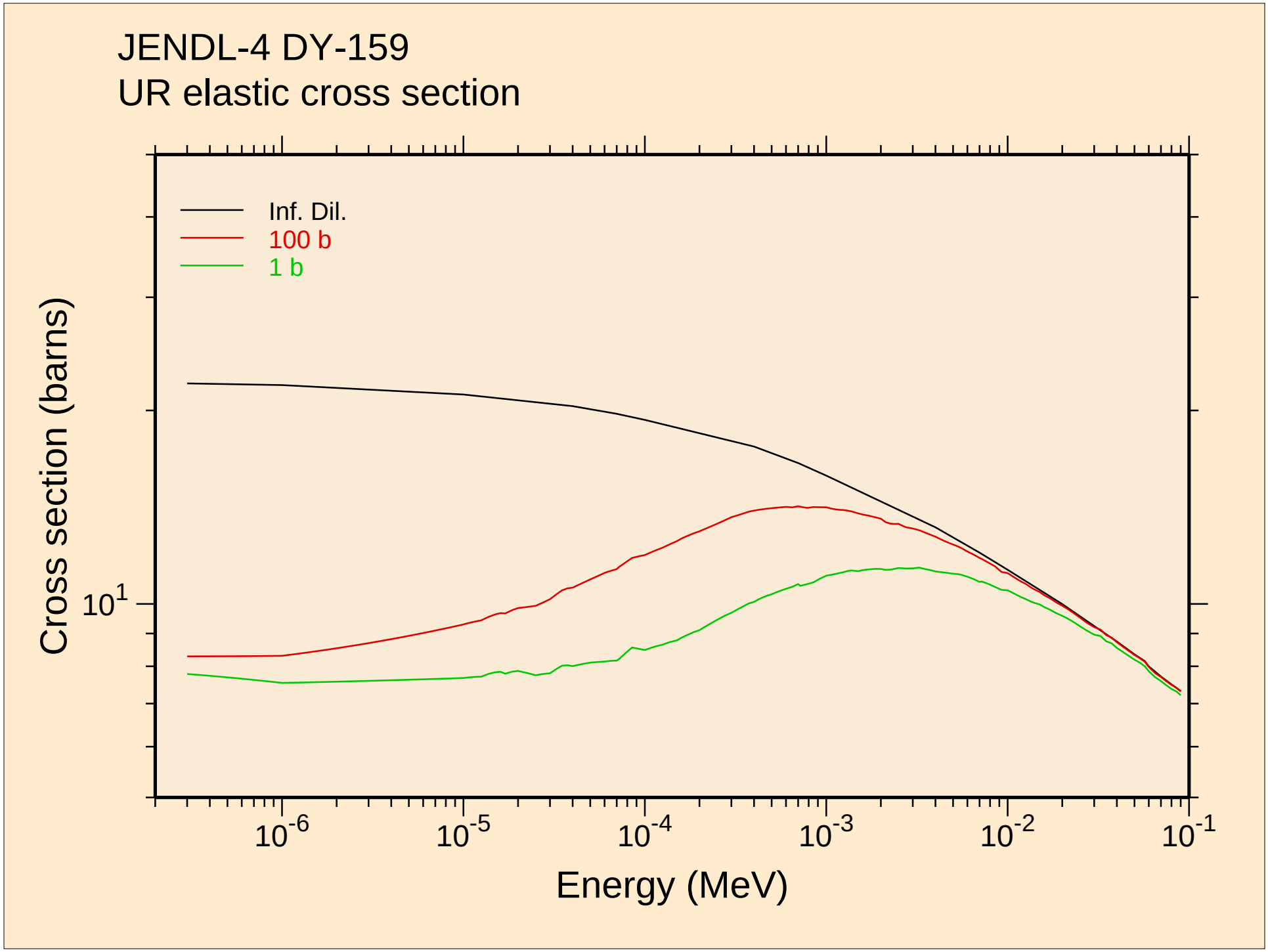

JENDL-4 DY-159
resonance total cross section
total
Cross section (barns)
Energy (MeV)
10^1
10^0
10^1

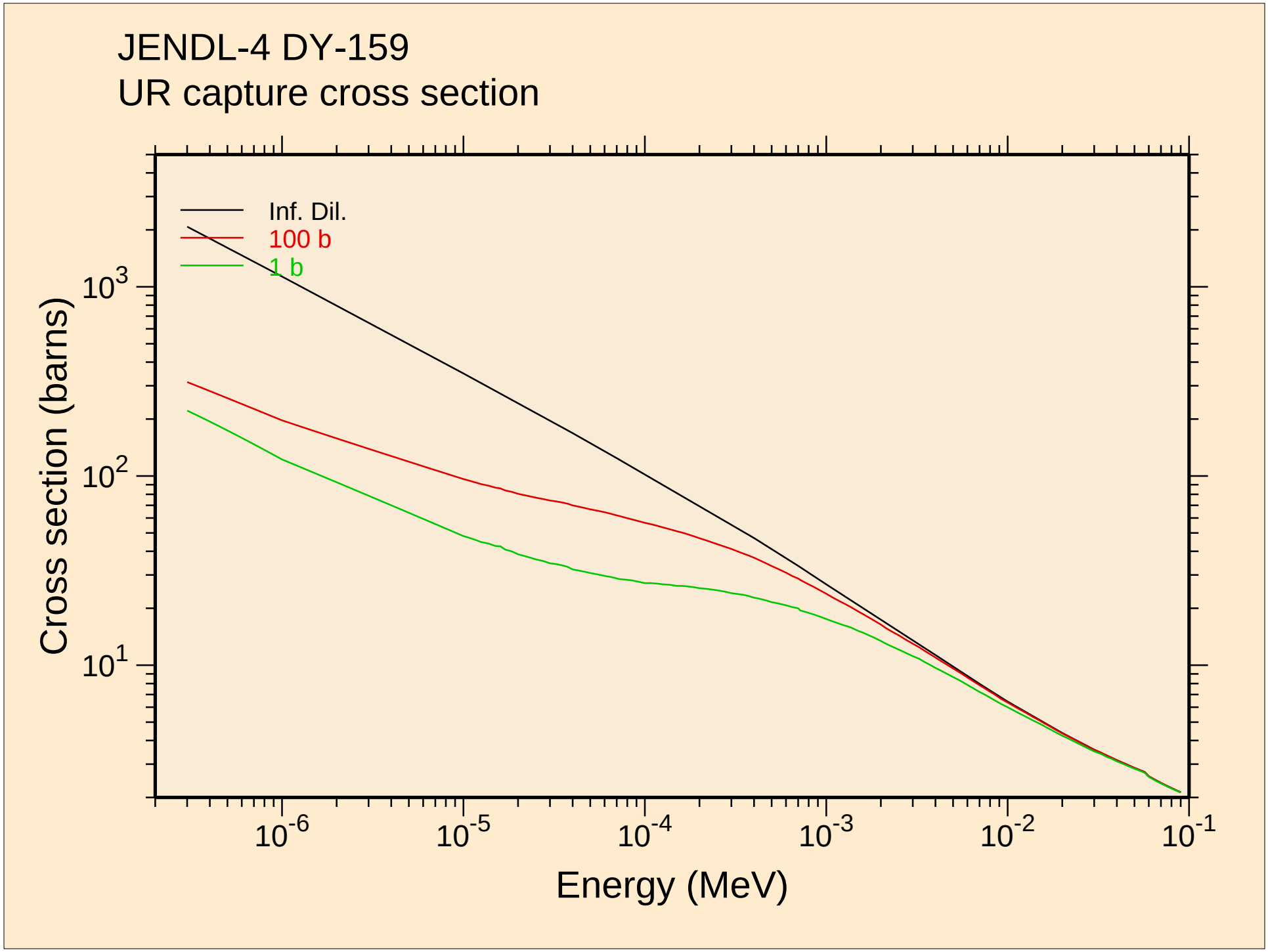

JENDL-4 DY-159
resonance absorption cross sections
capture
Cross section (barns)
10^3
10^2
10^{-7}
10^{-6}
Energy (MeV)

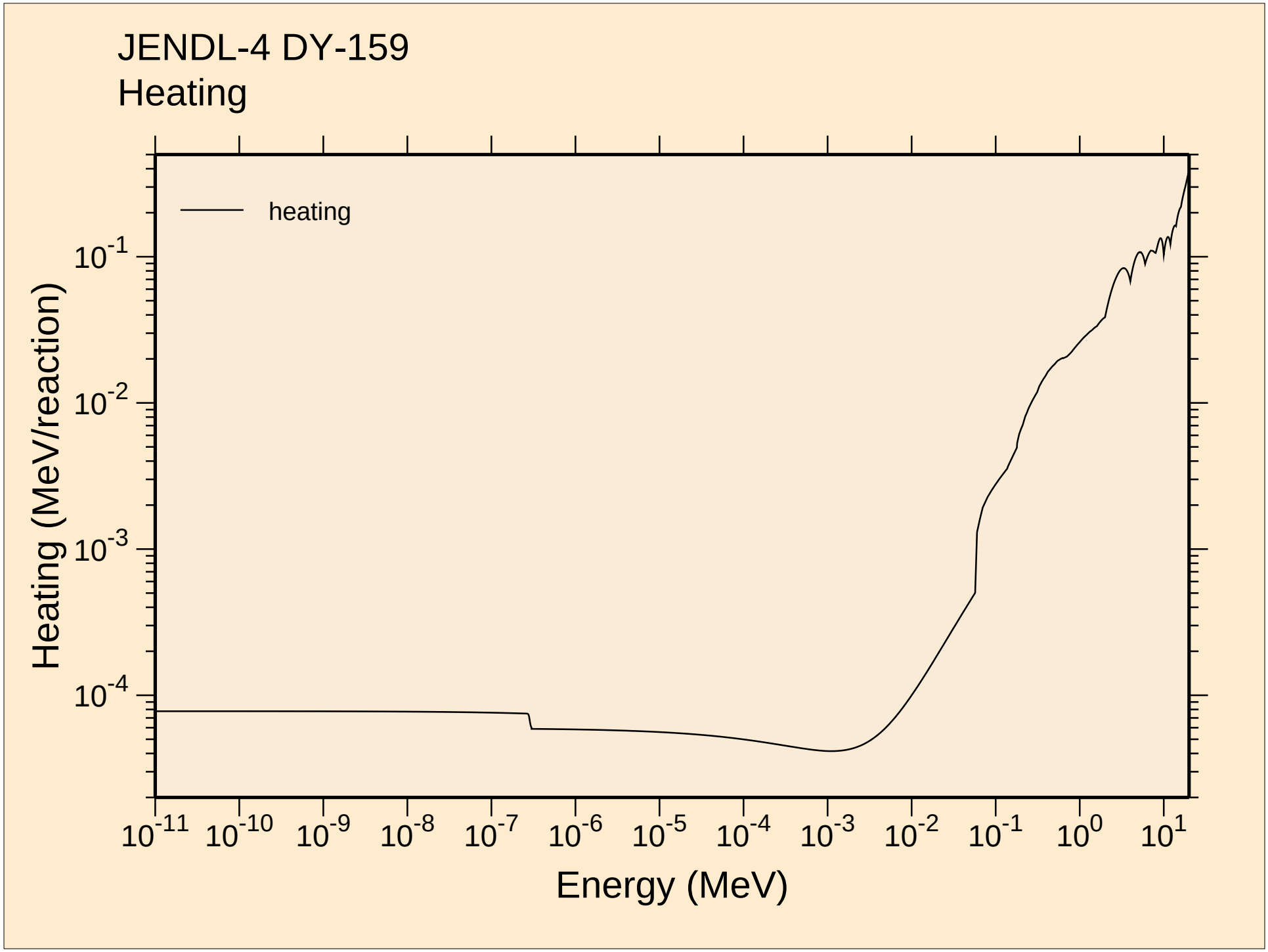

JENDL-4 DY-159
resonance absorption cross sections
capture
Cross section (barns)
10^0
10^{-1}
10^0
Energy (MeV)

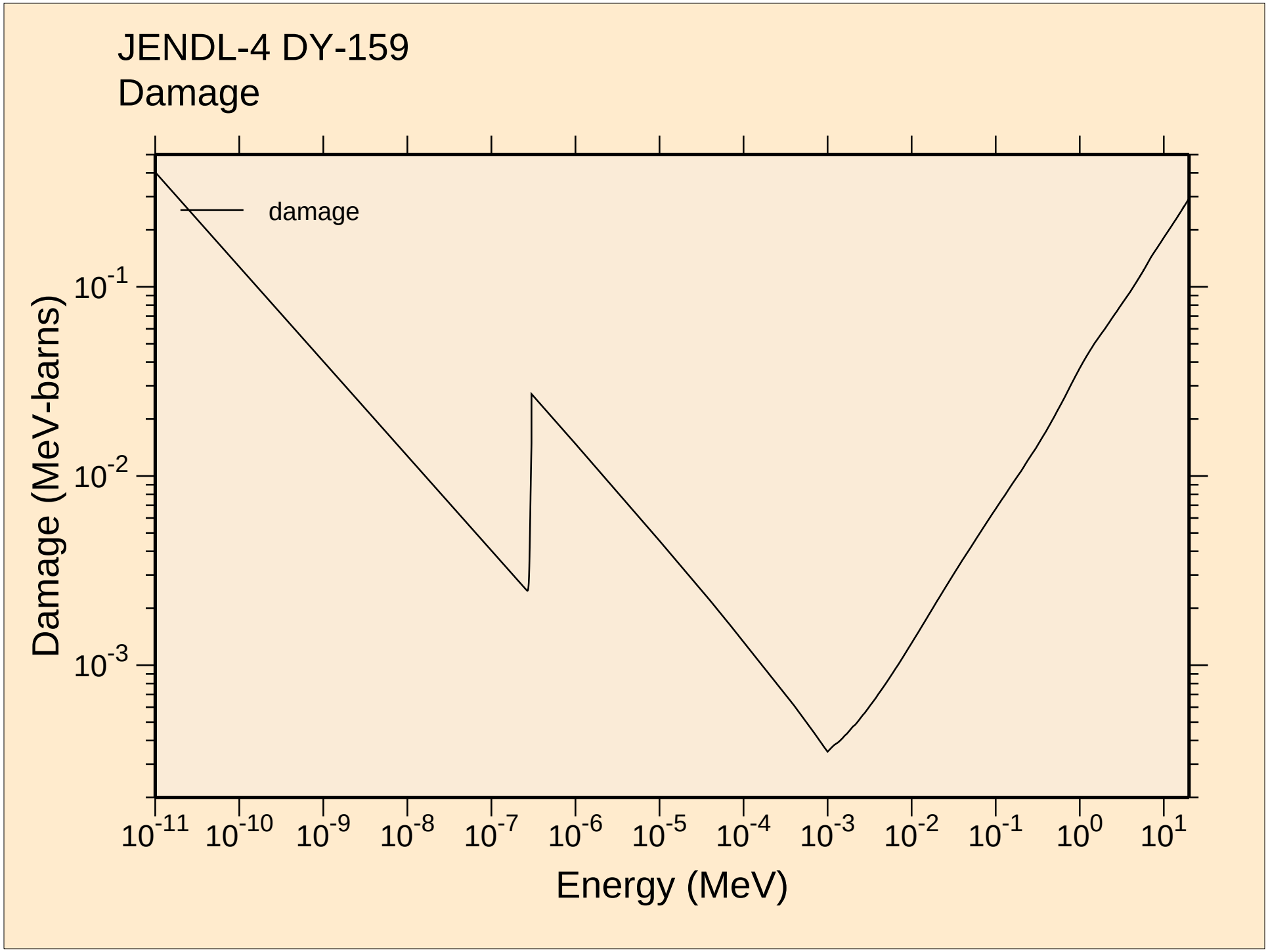

JENDL-4 DY-159
resonance absorption cross sections
capture
Cross section (barns)
Energy (MeV)
10^0
10^{-1}
10^{-2}
10^0
10^1

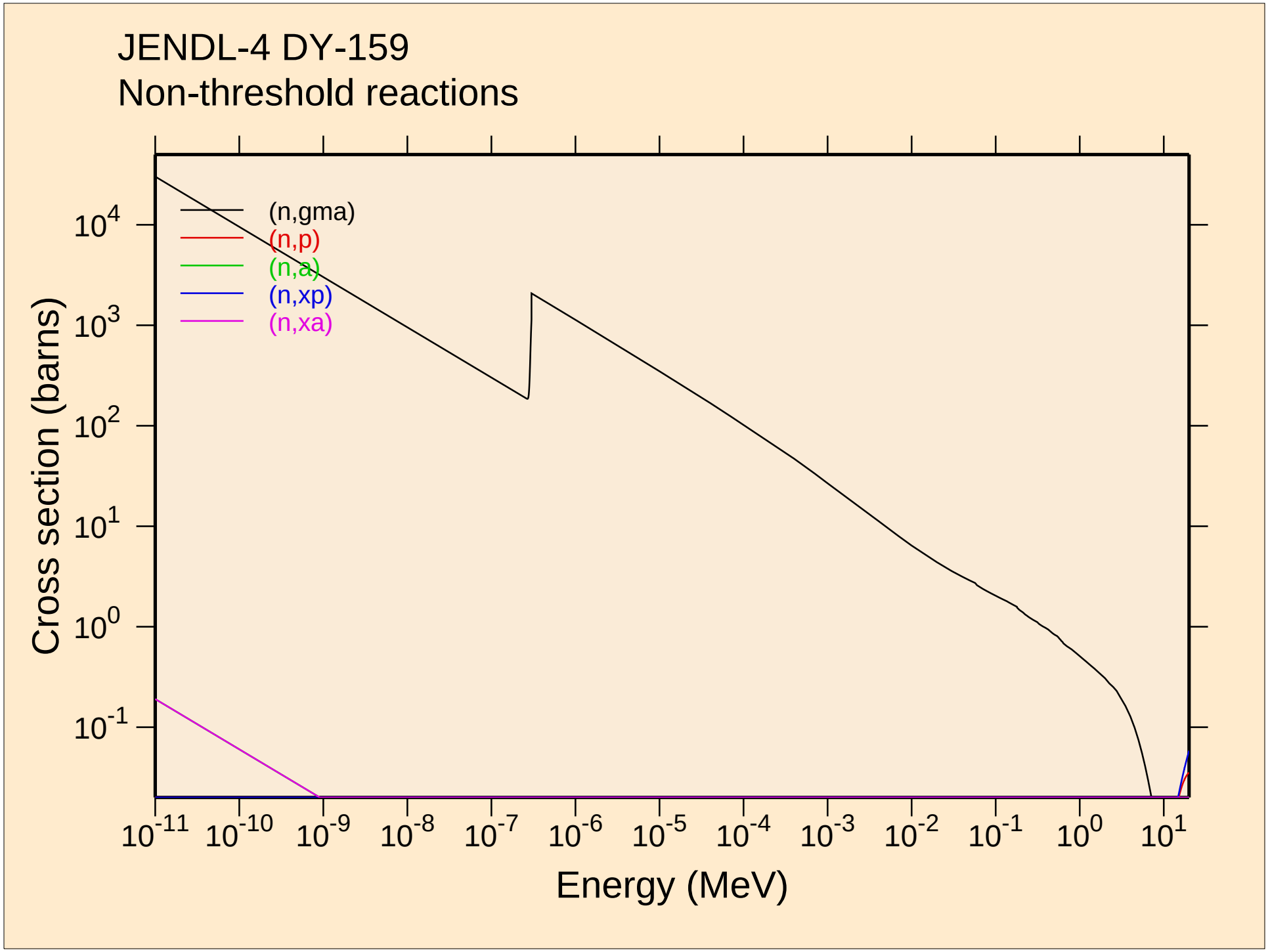

JENDL-4 DY-159
UR total cross section
Inf. Dil.
100 b
1 b
Cross section (barns)
10^3
10^2
10^1
10^-6
10^-5
10^-4
10^-3
10^-2
10^-1
Energy (MeV)

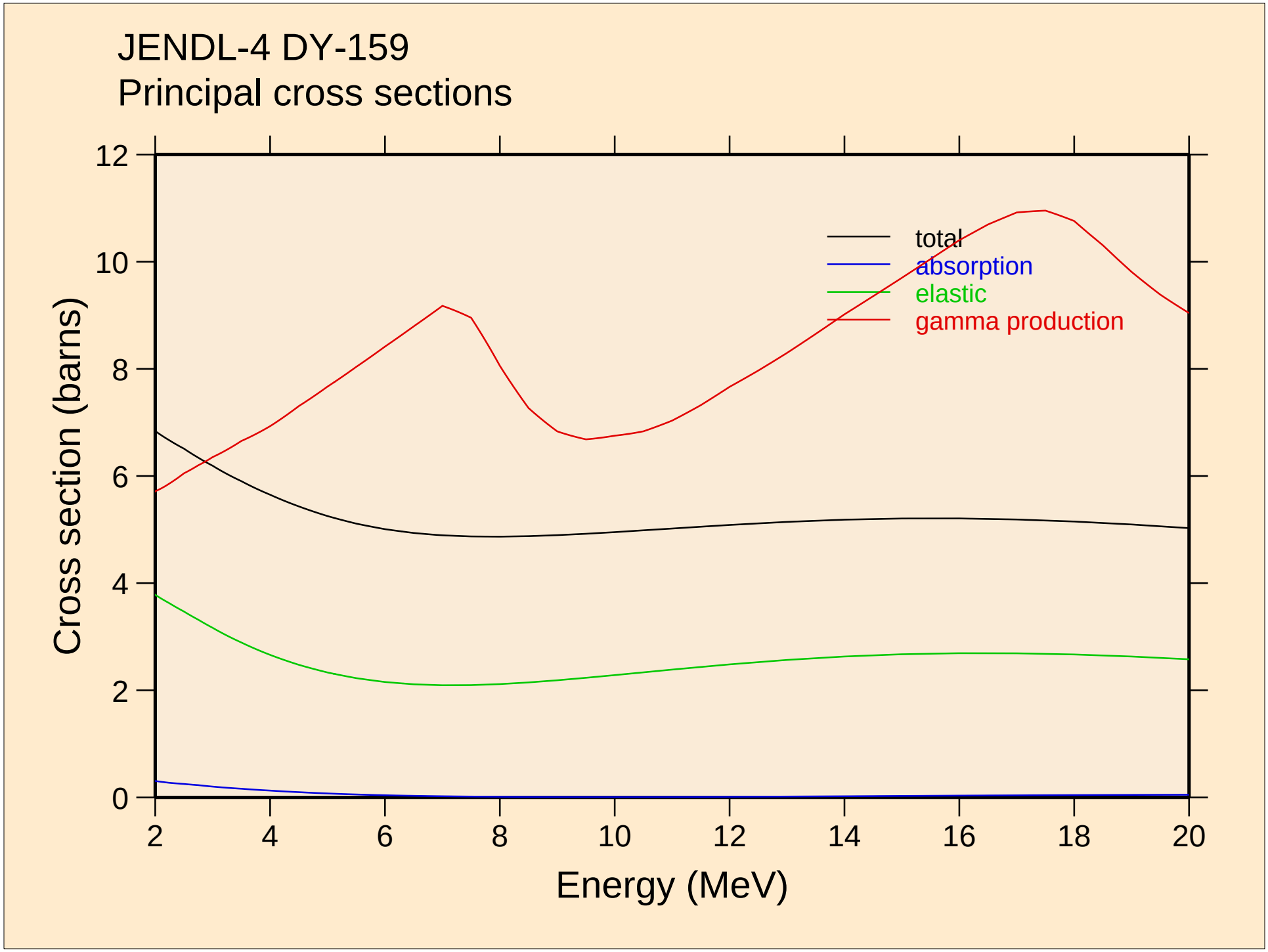

JENDL-4 DY-159
UR elastic cross section
Inf. Dil.
100 b
1 b
Cross section (barns)
10^1
10^-6
10^-5
10^-4
10^-3
10^-2
10^-1
Energy (MeV)

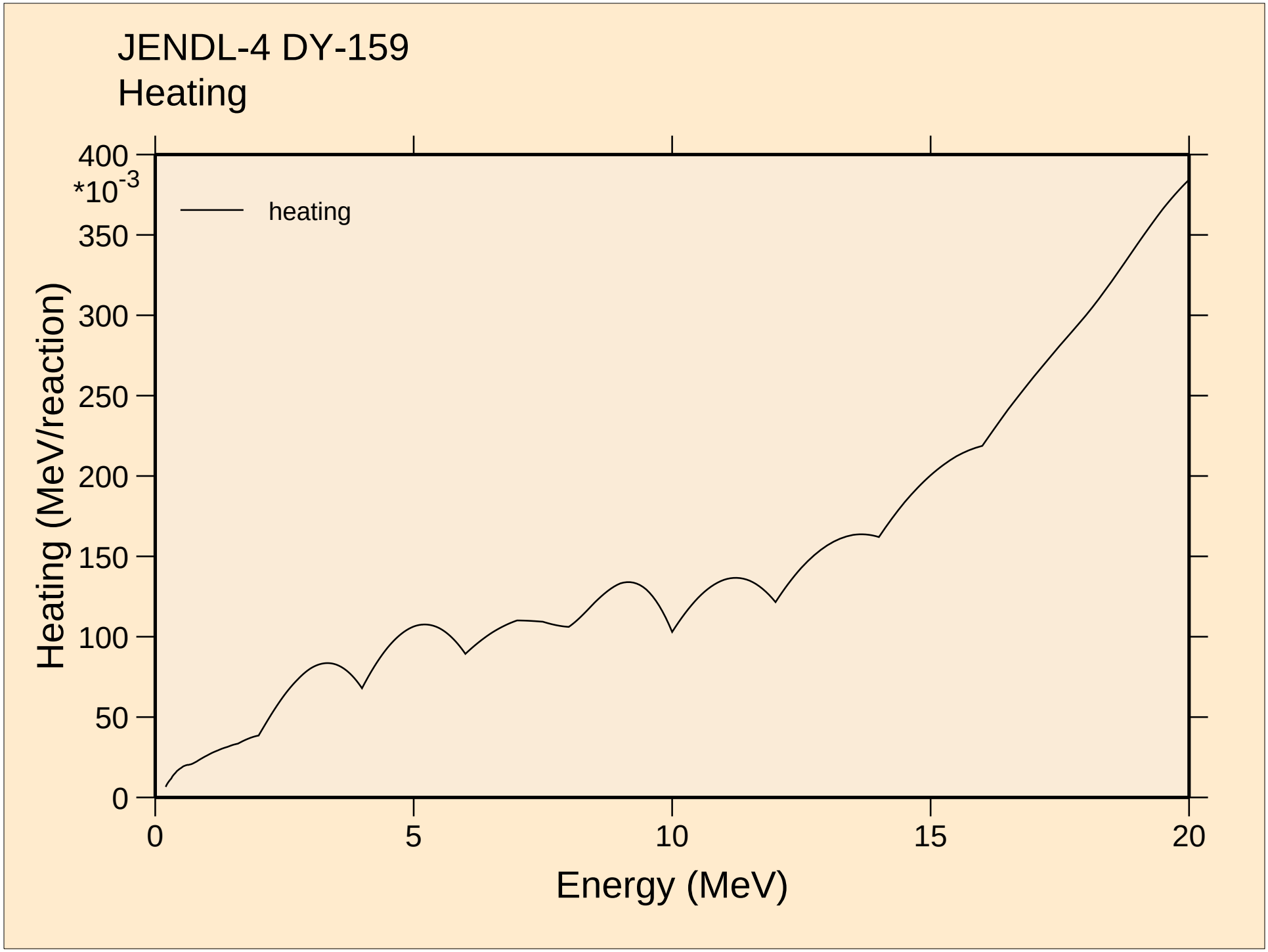

JENDL-4 DY-159
UR capture cross section
Inf. Dil.
100 b
1 b
Cross section (barns)
10^3
10^2
10^1
10^{-6}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
10^{-1}
Energy (MeV)

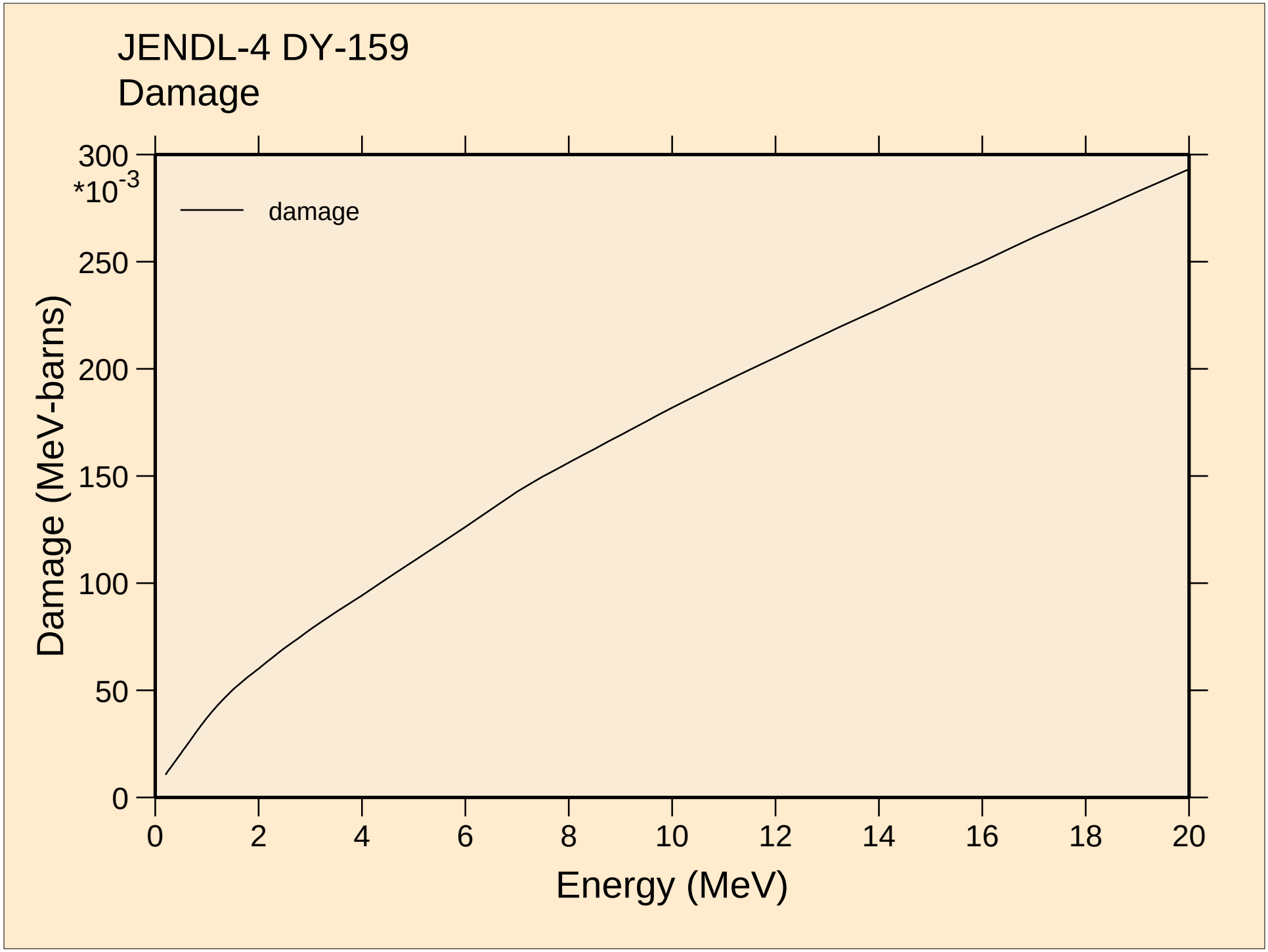

JENDL-4 DY-159
Heating
heating
Heating (MeV/reaction)
10-1
10-2
10-3
10-4
10-11
10-10
10-9
10-8
10-7
10-6
10-5
10-4
10-3
10-2
10-1
100
101
Energy (MeV)

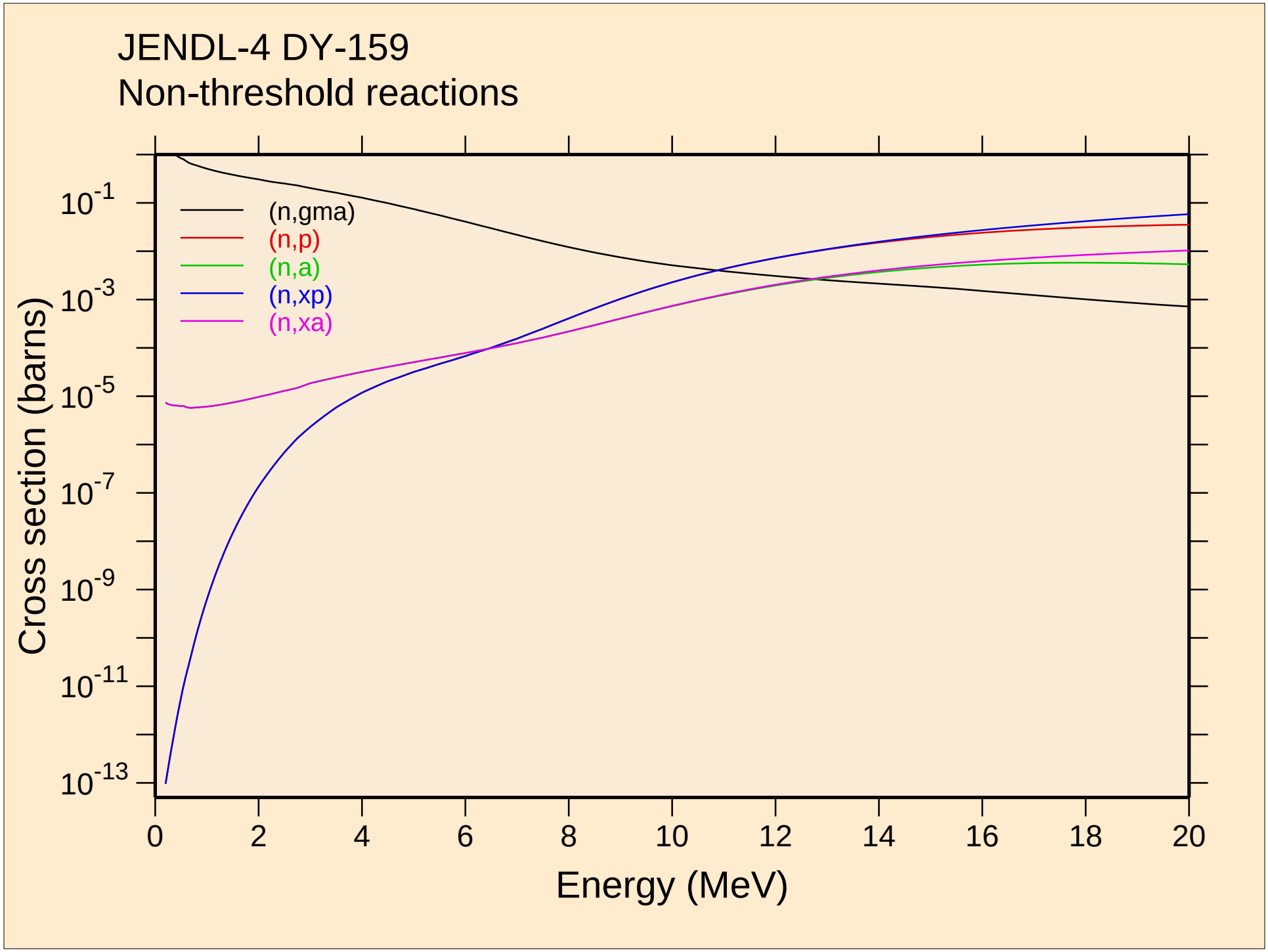

JENDL-4 DY-159
Damage
damage
Damage (MeV-barns)
10-1
10-2
10-3
10-11
10-10
10-9
10-8
10-7
10-6
10-5
10-4
10-3
10-2
10-1
100
101
Energy (MeV)

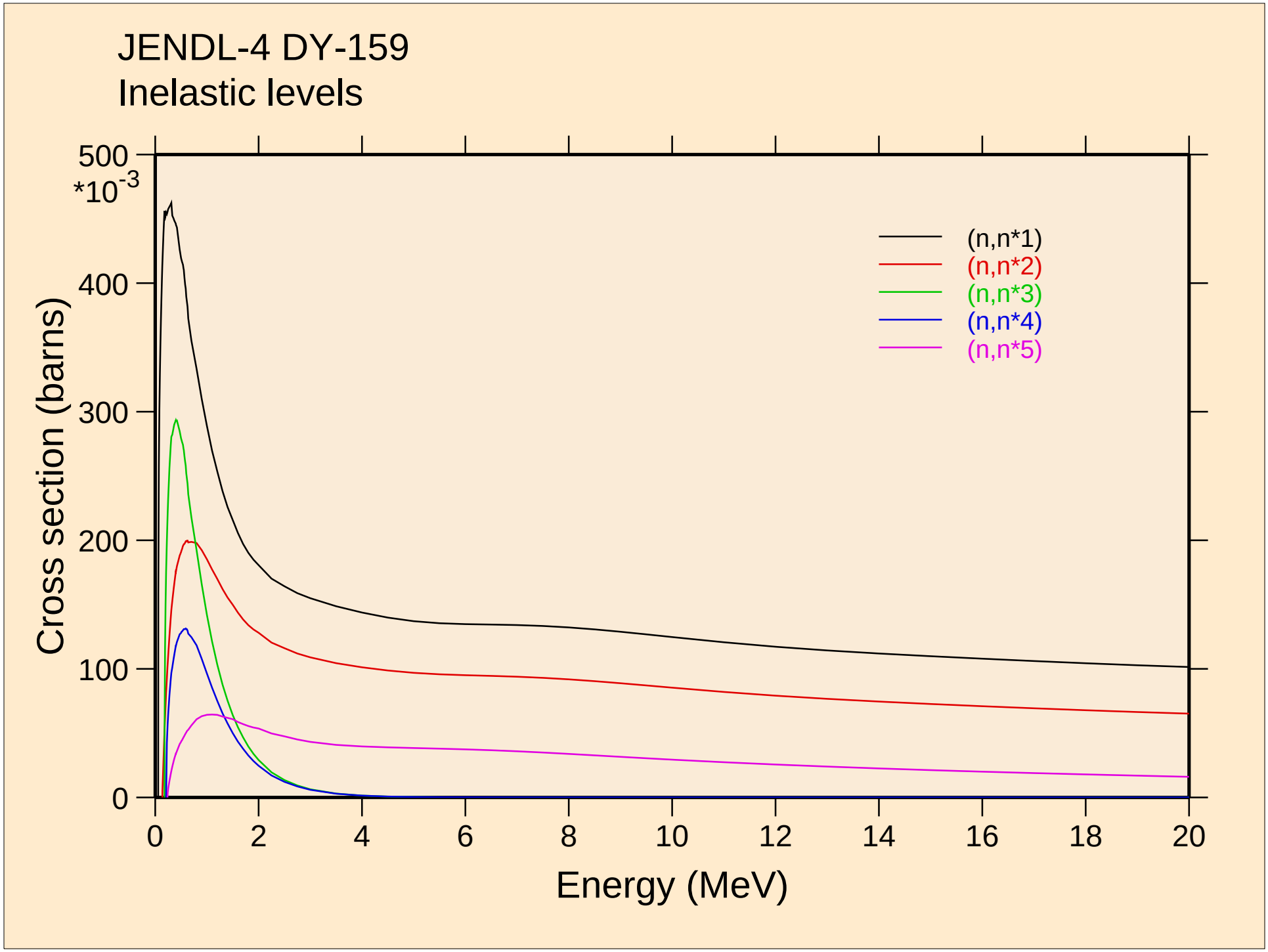

JENDL-4 DY-159
Non-threshold reactions
(n,gma)
(n,p)
(n,a)
(n,xp)
(n,xa)
Cross section (barns)
Energy (MeV)
10^4
10^3
10^2
10^1
10^0
10^-1
10^-11
10^-10
10^-9
10^-8
10^-7
10^-6
10^-5
10^-4
10^-3
10^-2
10^-1
10^0
10^1

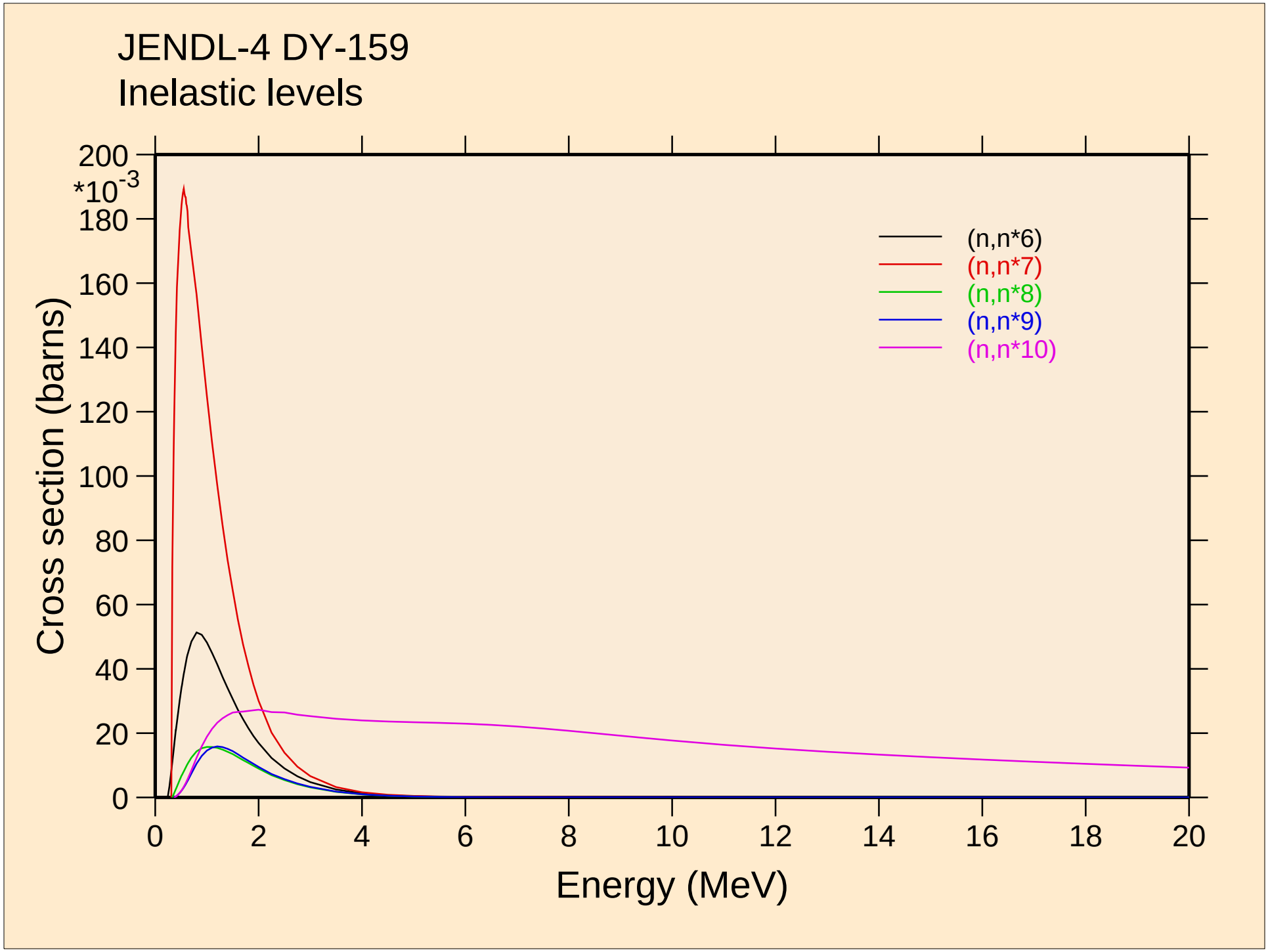

JENDL-4 DY-159
Principal cross sections
total
absorption
elastic
gamma production
Cross section (barns)
Energy (MeV)
0
2
4
6
8
10
12
2
4
6
8
10
12
14
16
18
20

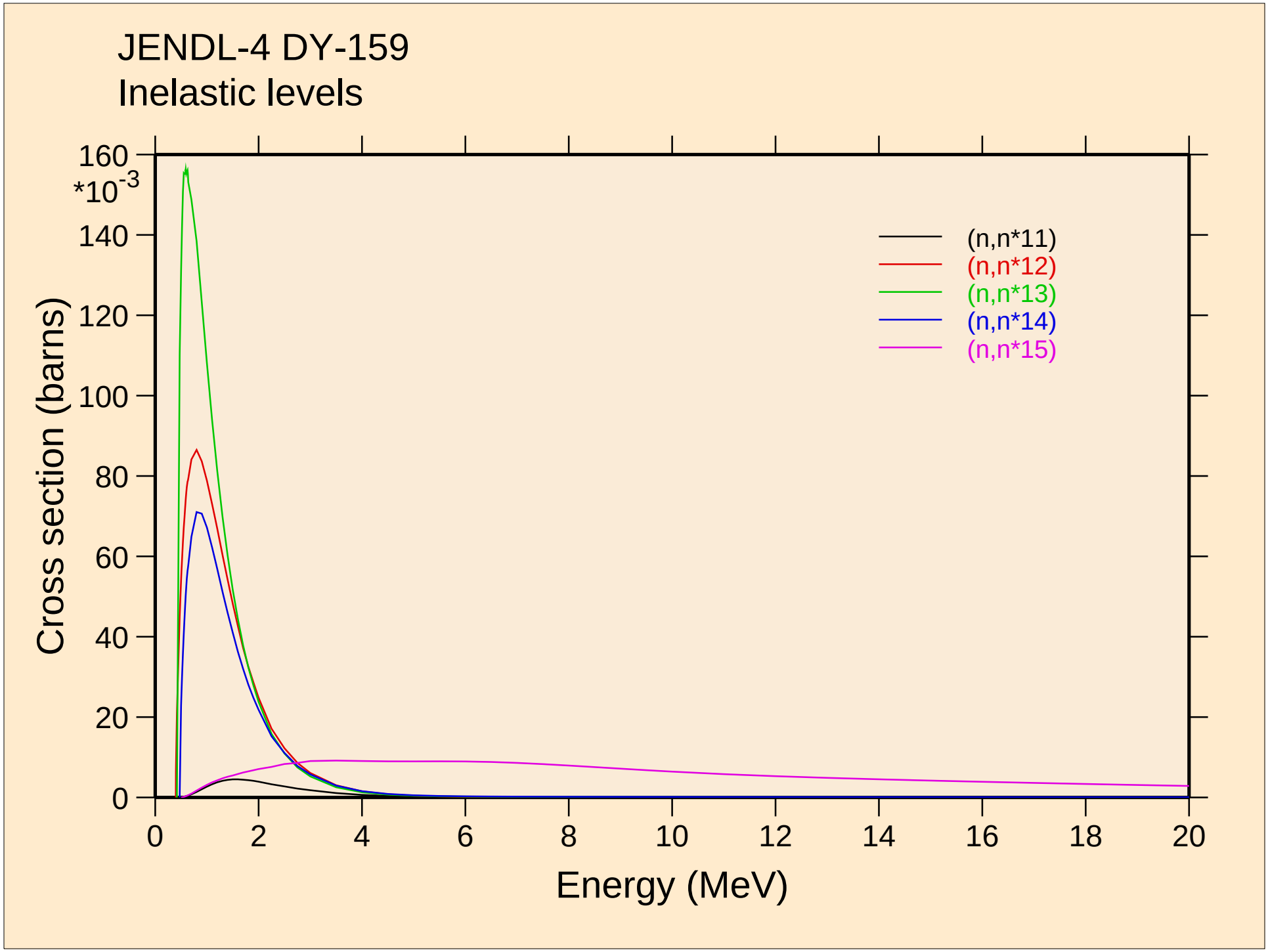

JENDL-4 DY-159
Heating
heating
*10-3
400
350
300
250
200
150
100
50
0
Heating (MeV/reaction)
0
5
10
15
20
Energy (MeV)

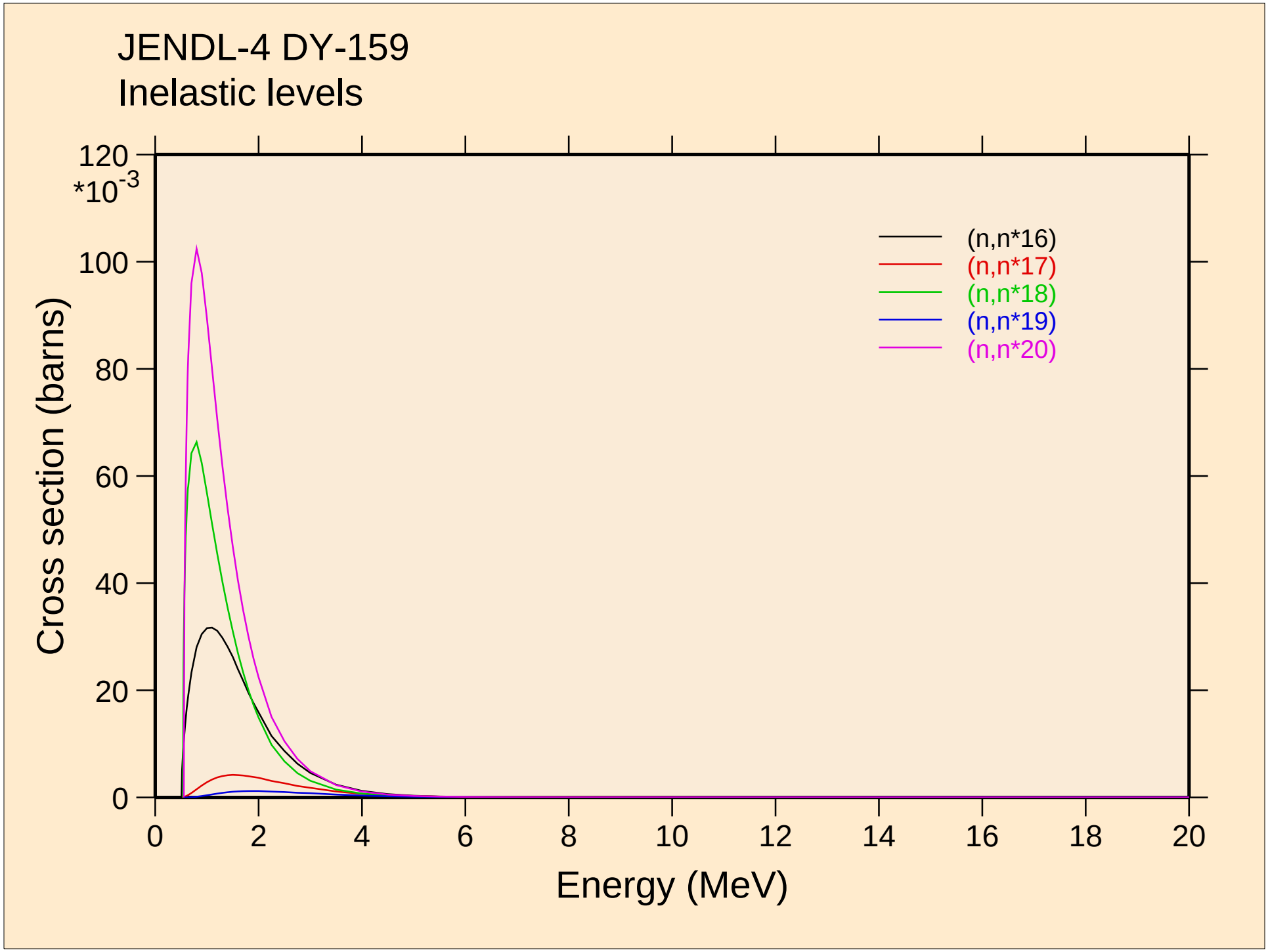

JENDL-4 DY-159
Damage
damage
Damage (MeV-barns)
*10-3
300
250
200
150
100
50
0
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

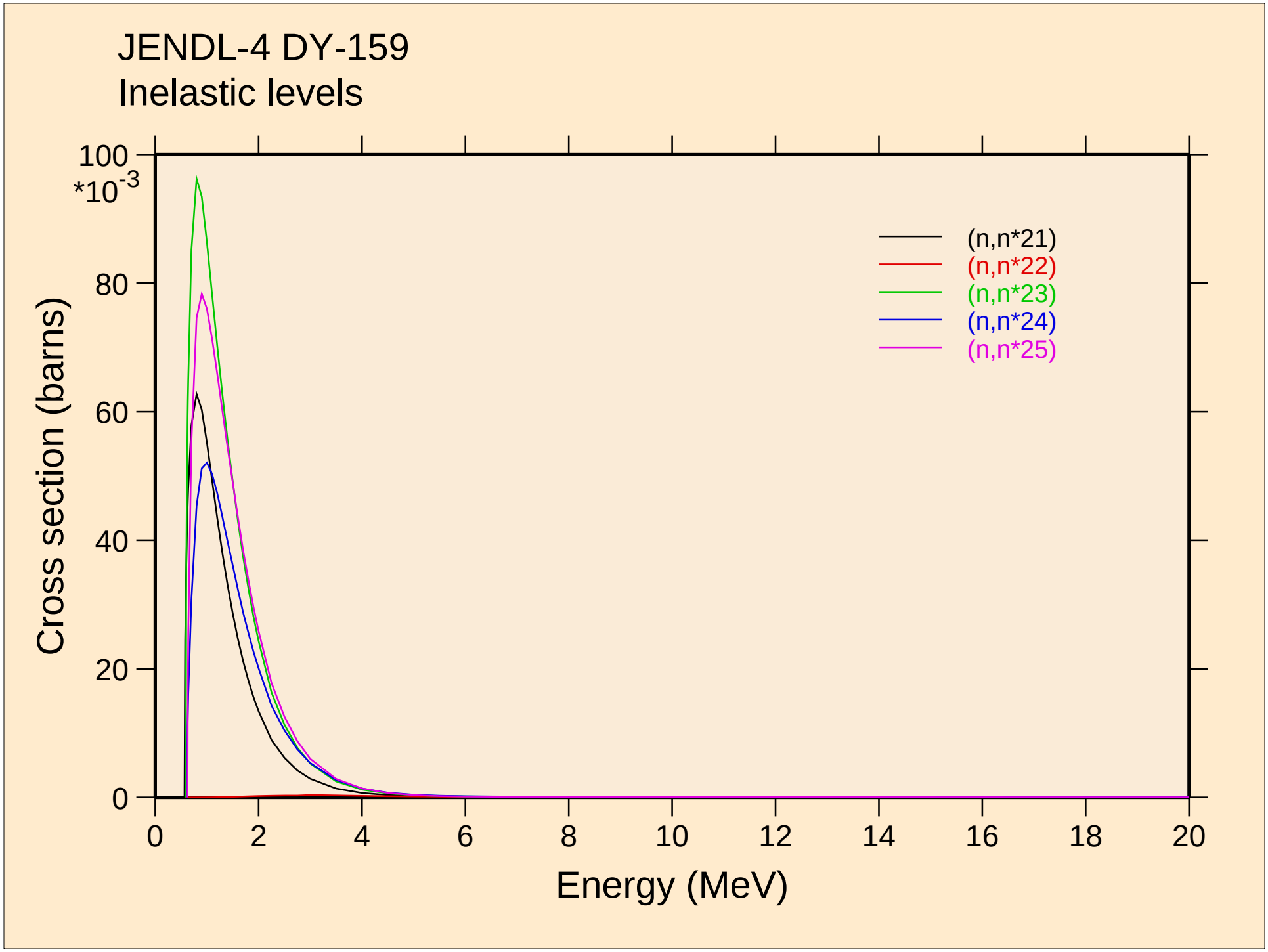

JENDL-4 DY-159
Non-threshold reactions
(n,gma)
(n,p)
(n,a)
(n,xp)
(n,xa)
Cross section (barns)
10-1
10-3
10-5
10-7
10-9
10-11
10-13
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

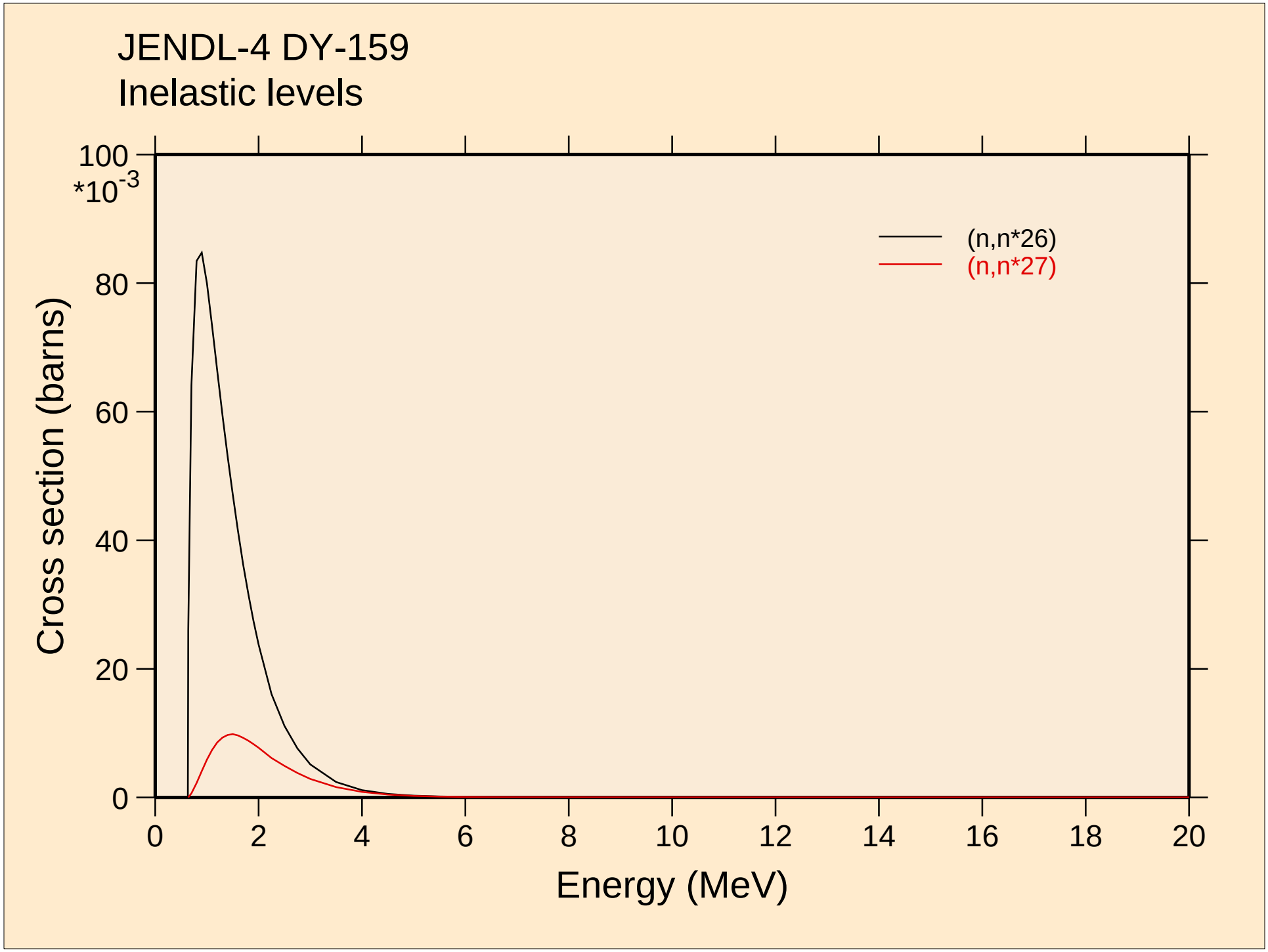

JENDL-4 DY-159
Inelastic levels
500
*10-3
400
300
200
100
0
Cross section (barns)
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)
(n,n*1)
(n,n*2)
(n,n*3)
(n,n*4)
(n,n*5)

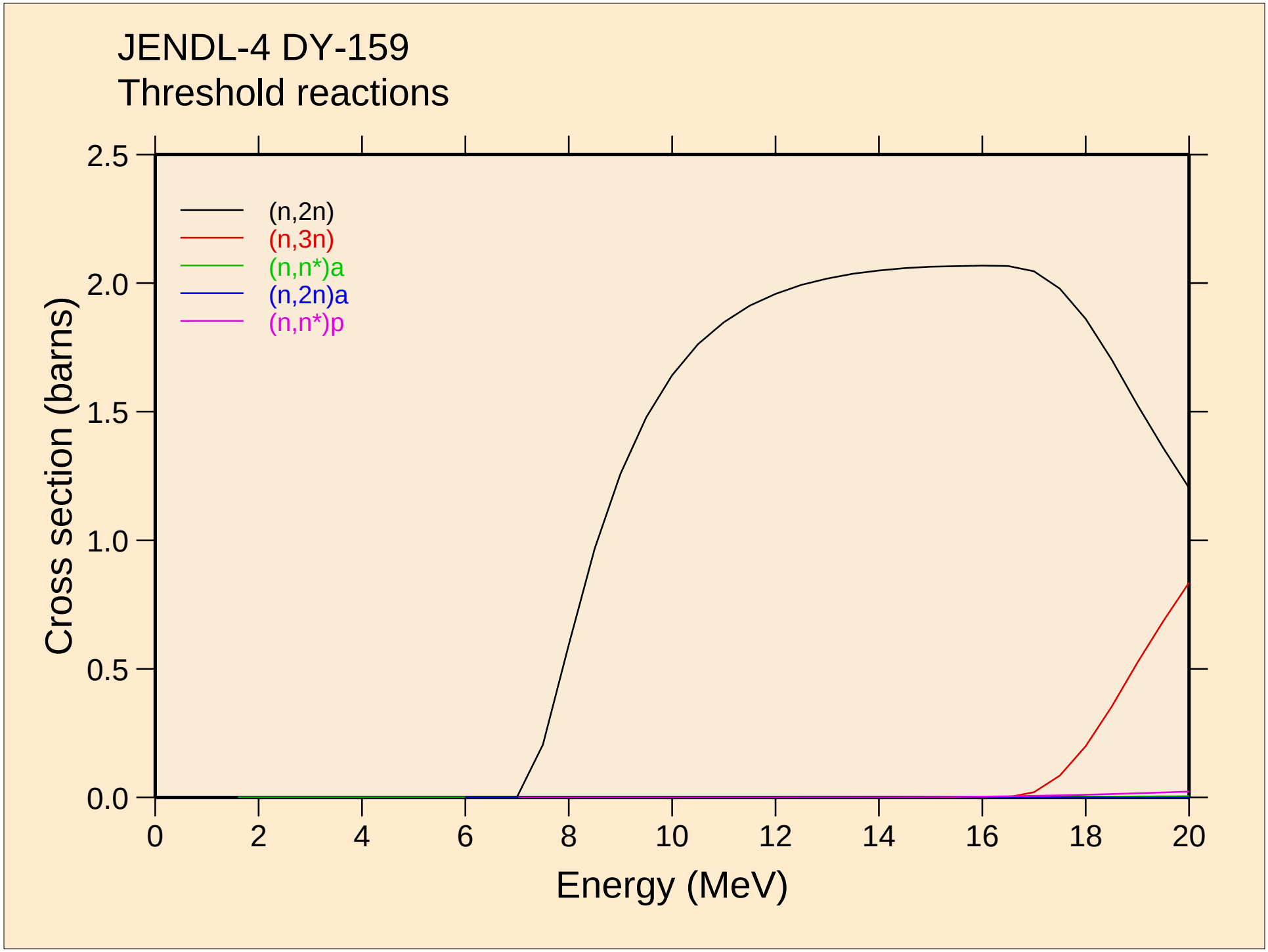

JENDL-4 DY-159
Inelastic levels
Cross section (barns)
*10^-3
200
180
160
140
120
100
80
60
40
20
0
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)
(n,n*6)
(n,n*7)
(n,n*8)
(n,n*9)
(n,n*10)

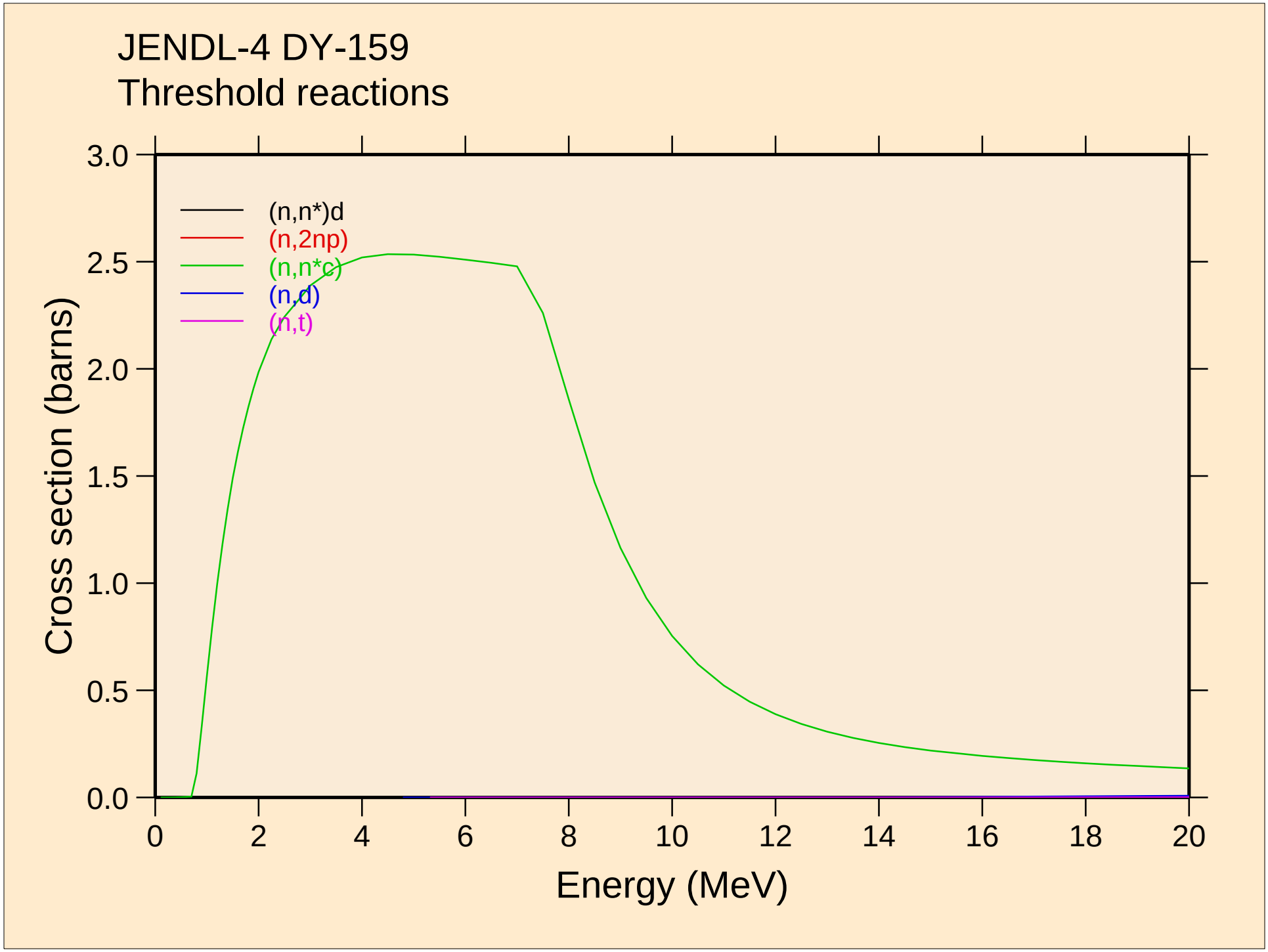

JENDL-4 DY-159
Inelastic levels
Cross section (barns)
*10-3
160
140
120
100
80
60
40
20
0
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)
(n,n*11)
(n,n*12)
(n,n*13)
(n,n*14)
(n,n*15)

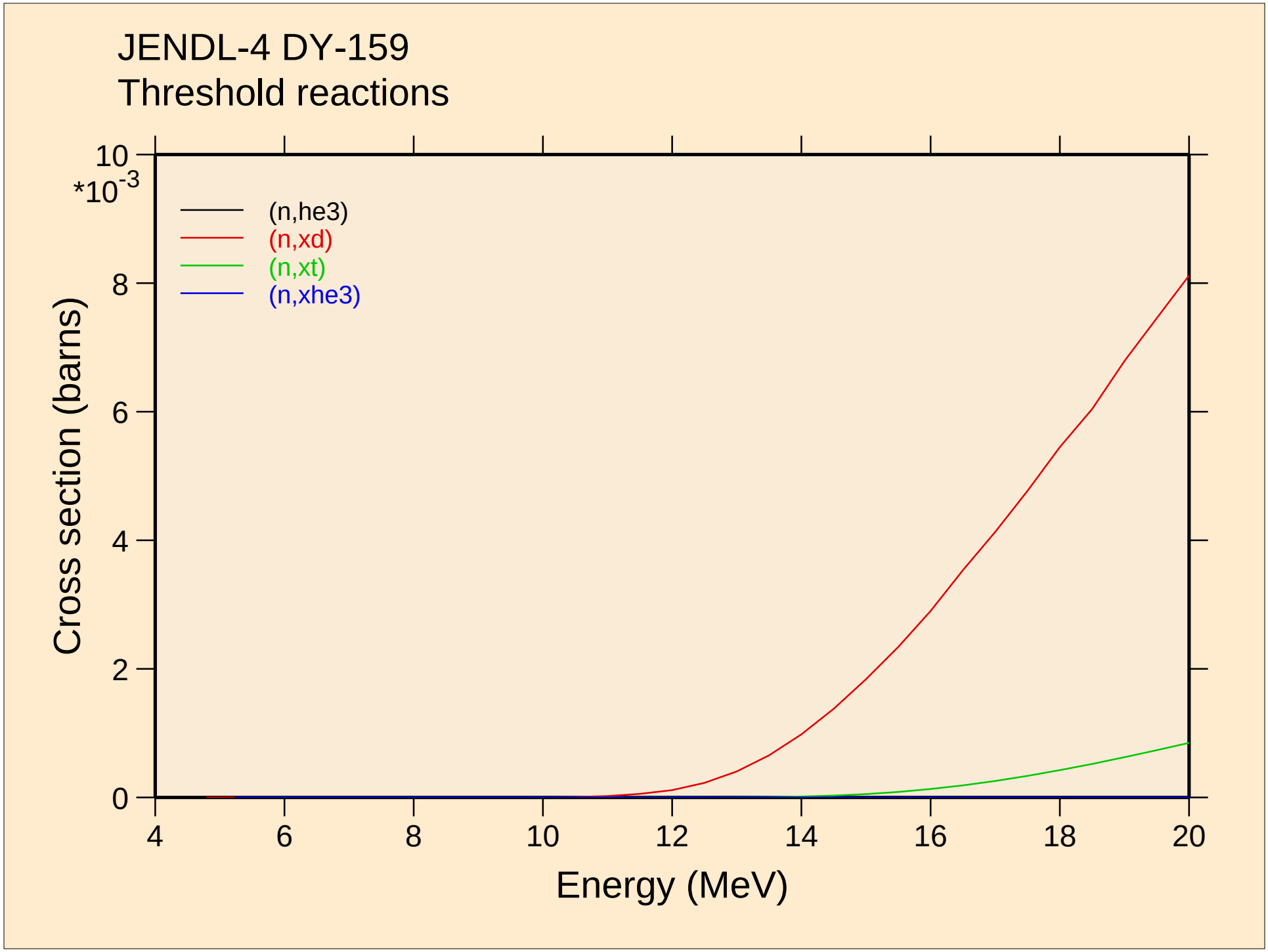

JENDL-4 DY-159
Inelastic levels
120
*10-3
100
80
60
40
20
0
Cross section (barns)
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)
(n,n*16)
(n,n*17)
(n,n*18)
(n,n*19)
(n,n*20)

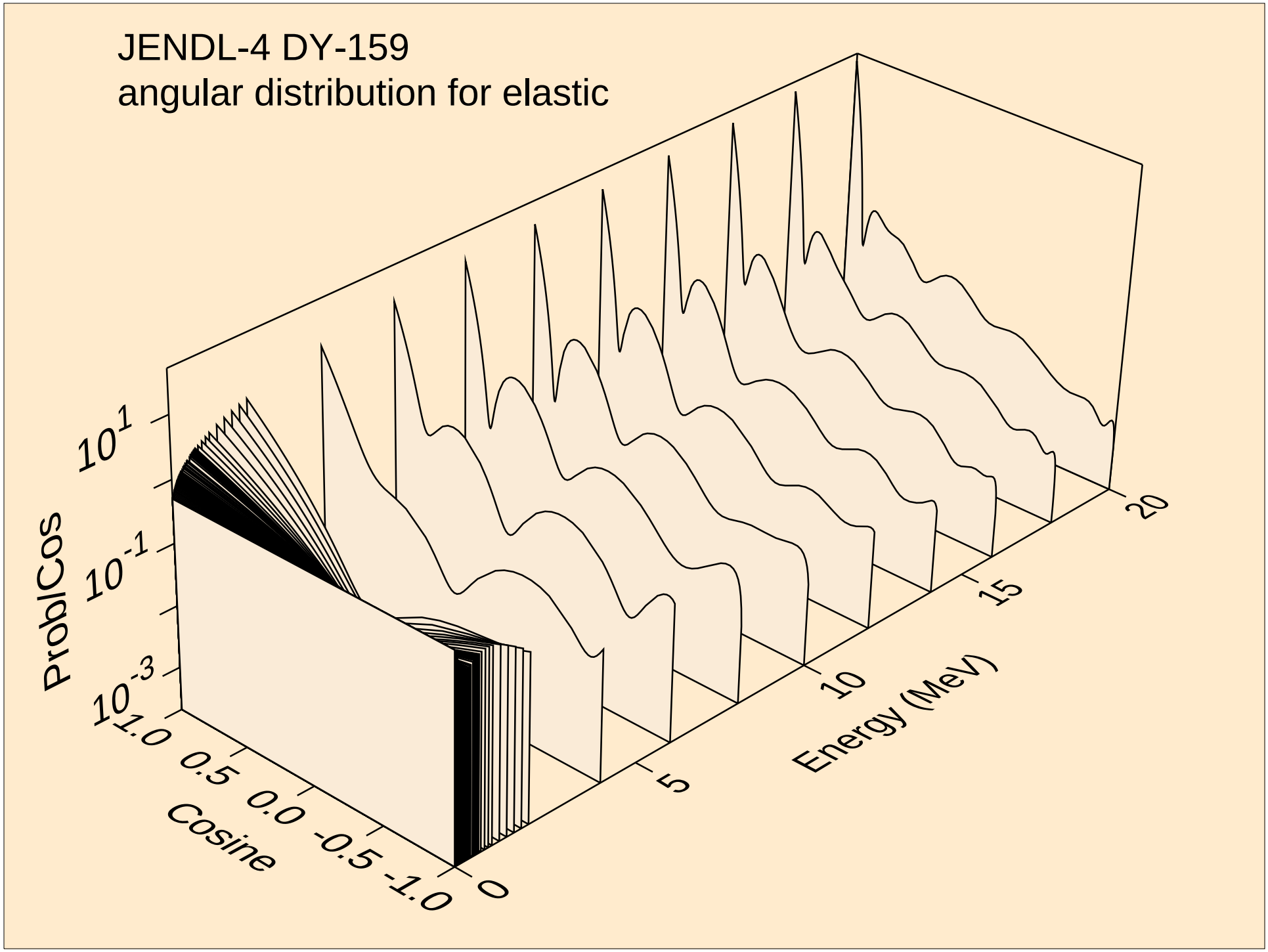

JENDL-4 DY-159
Inelastic levels
100
*10-3
80
60
40
20
0
Cross section (barns)
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)
(n,n*21)
(n,n*22)
(n,n*23)
(n,n*24)
(n,n*25)

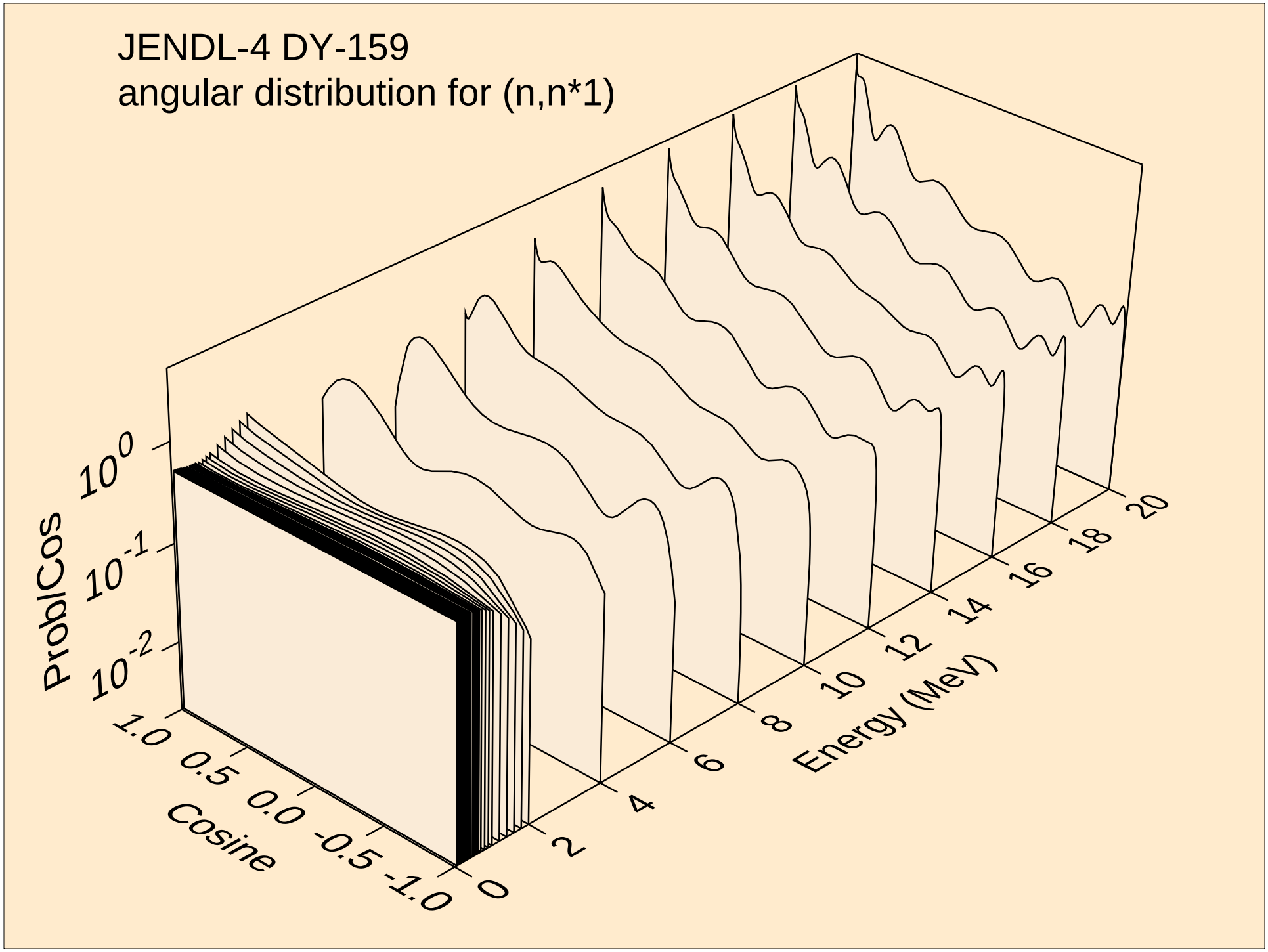

JENDL-4 DY-159
Inelastic levels
100
*10-3
80
60
40
20
0
Cross section (barns)
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)
(n,n*26)
(n,n*27)

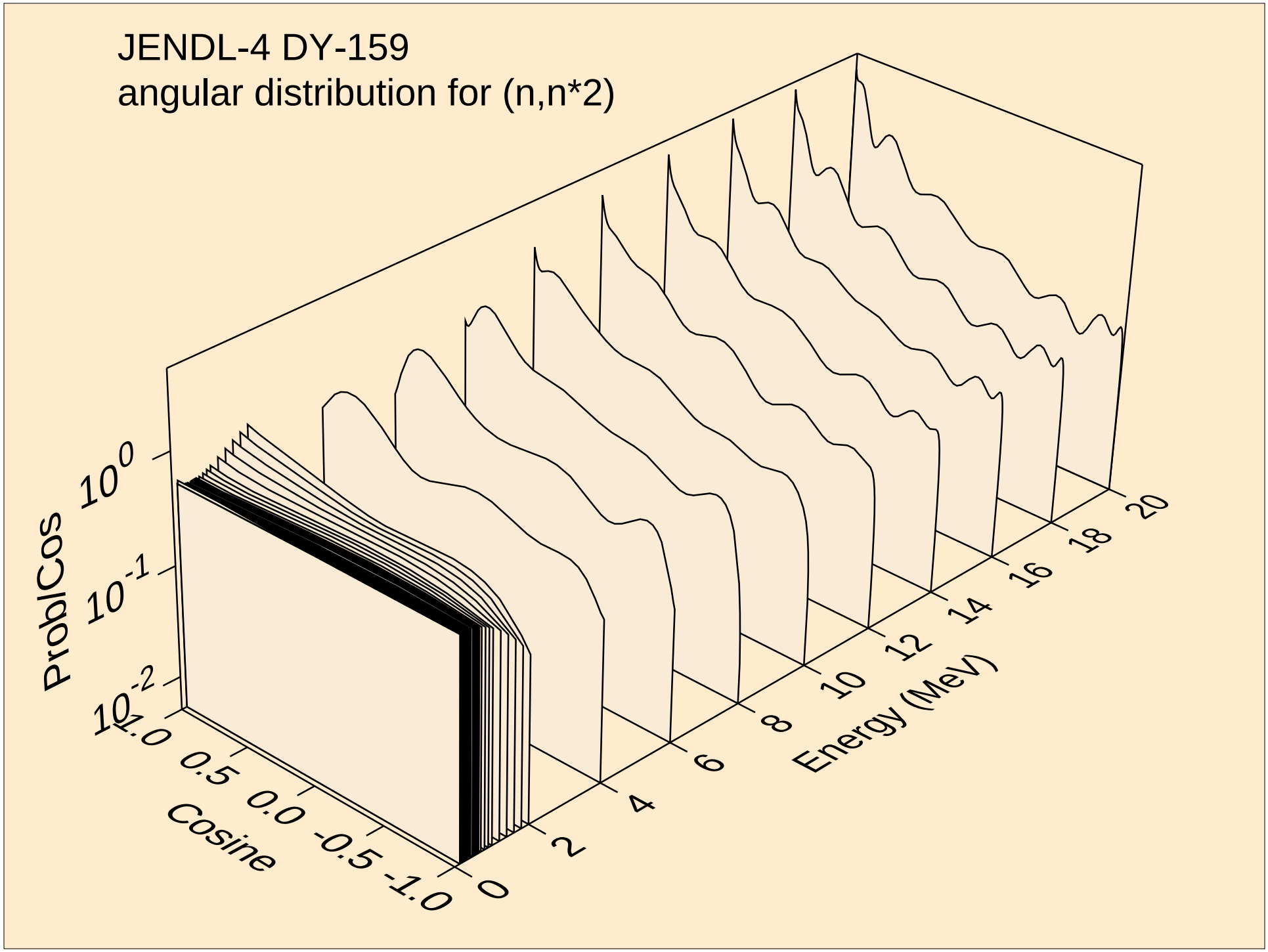

JENDL-4 DY-159
Threshold reactions
(n,2n)
(n,3n)
(n,n*)a
(n,2n)a
(n,n*)p
Cross section (barns)
Energy (MeV)
0.0
0.5
1.0
1.5
2.0
2.5
0
2
4
6
8
10
12
14
16
18
20

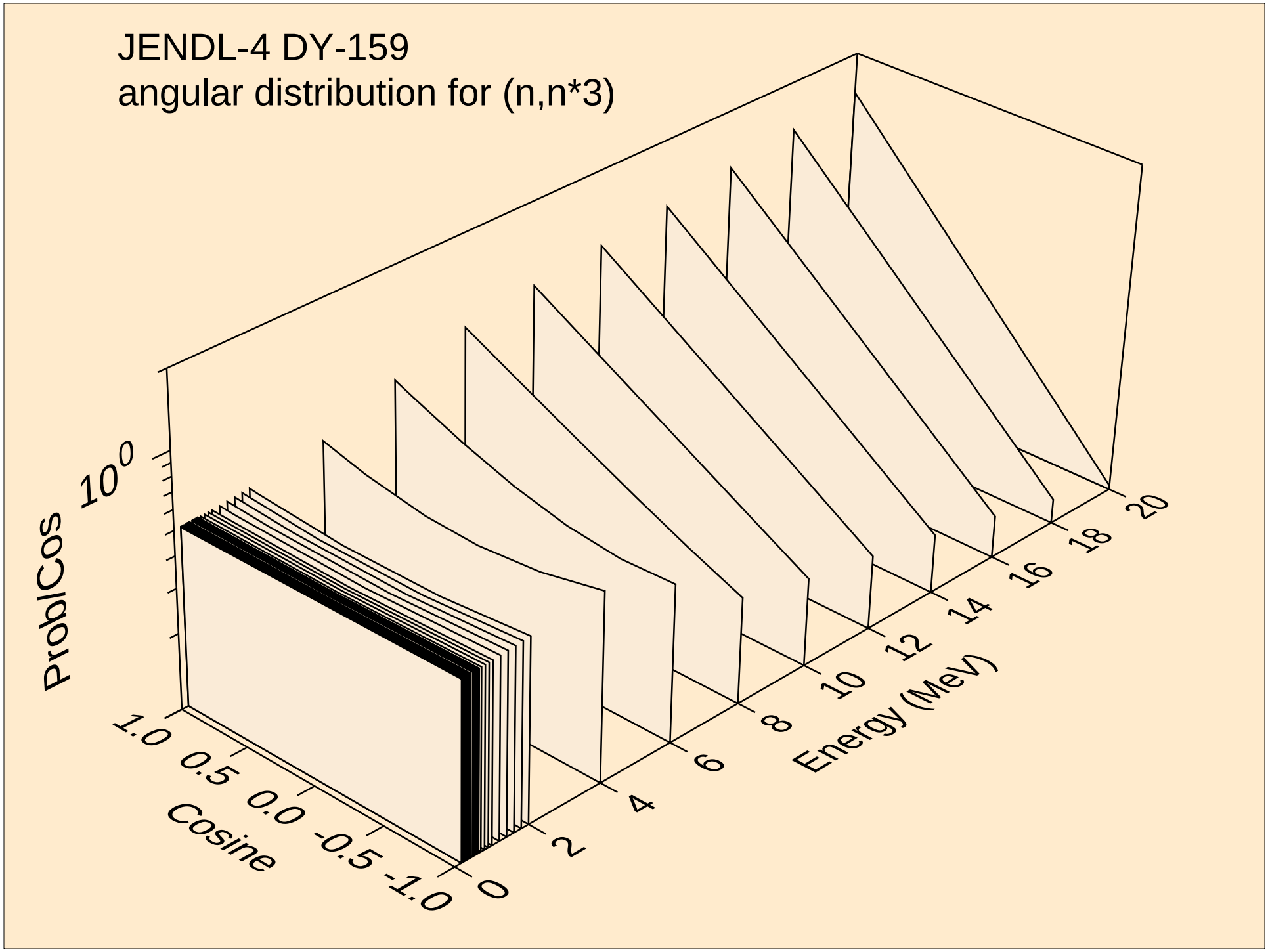

JENDL-4 DY-159
Threshold reactions
(n,n*)d
(n,2np)
(n,n*c)
(n,d)
(n,t)
Cross section (barns)
Energy (MeV)
0.0
0.5
1.0
1.5
2.0
2.5
3.0
0
2
4
6
8
10
12
14
16
18
20

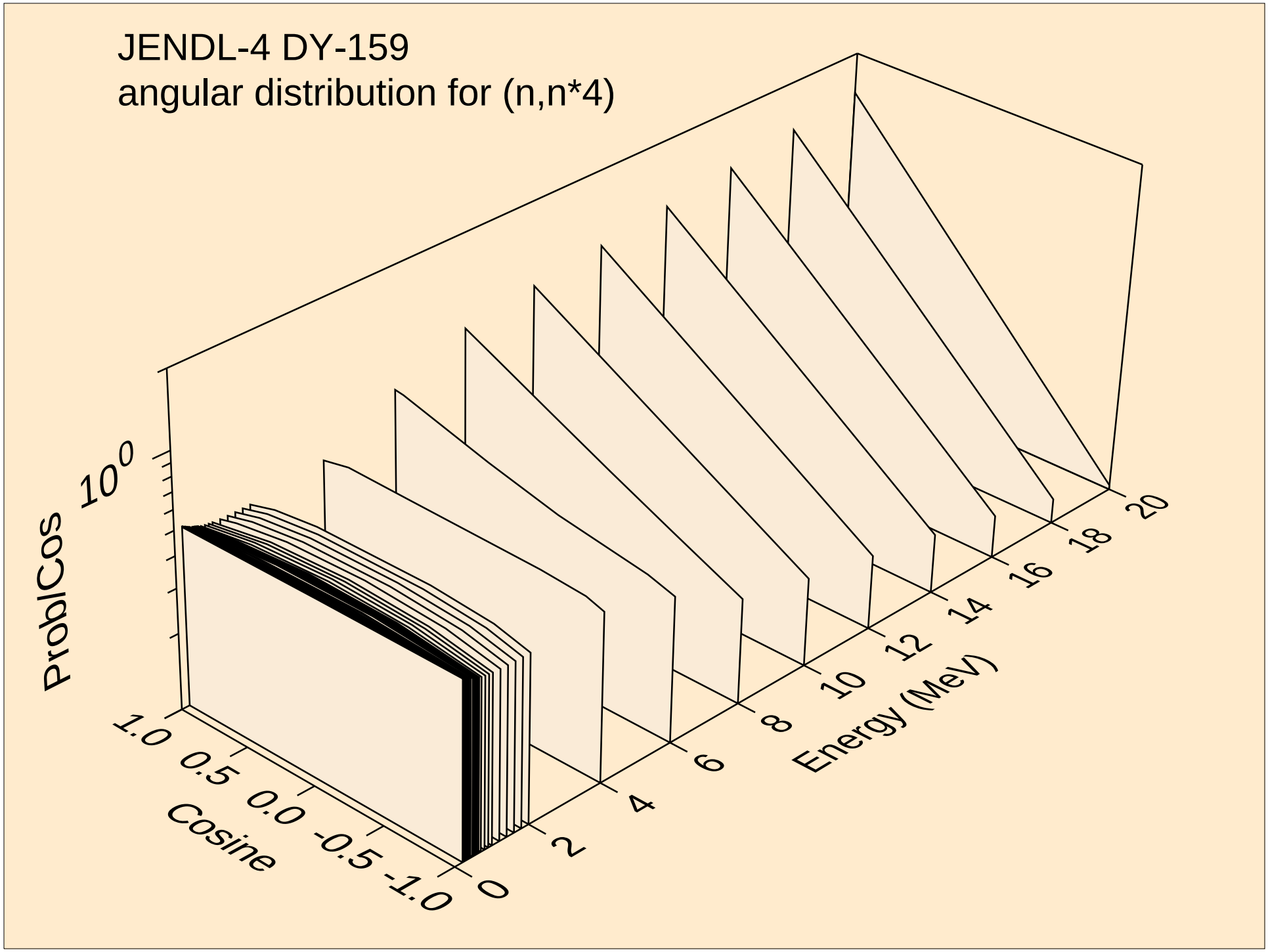

JENDL-4 DY-159
Threshold reactions
(n,he3)
(n,xd)
(n,xt)
(n,xhe3)
Cross section (barns)
*10-3
10
8
6
4
2
0
4
6
8
10
12
14
16
18
20
Energy (MeV)

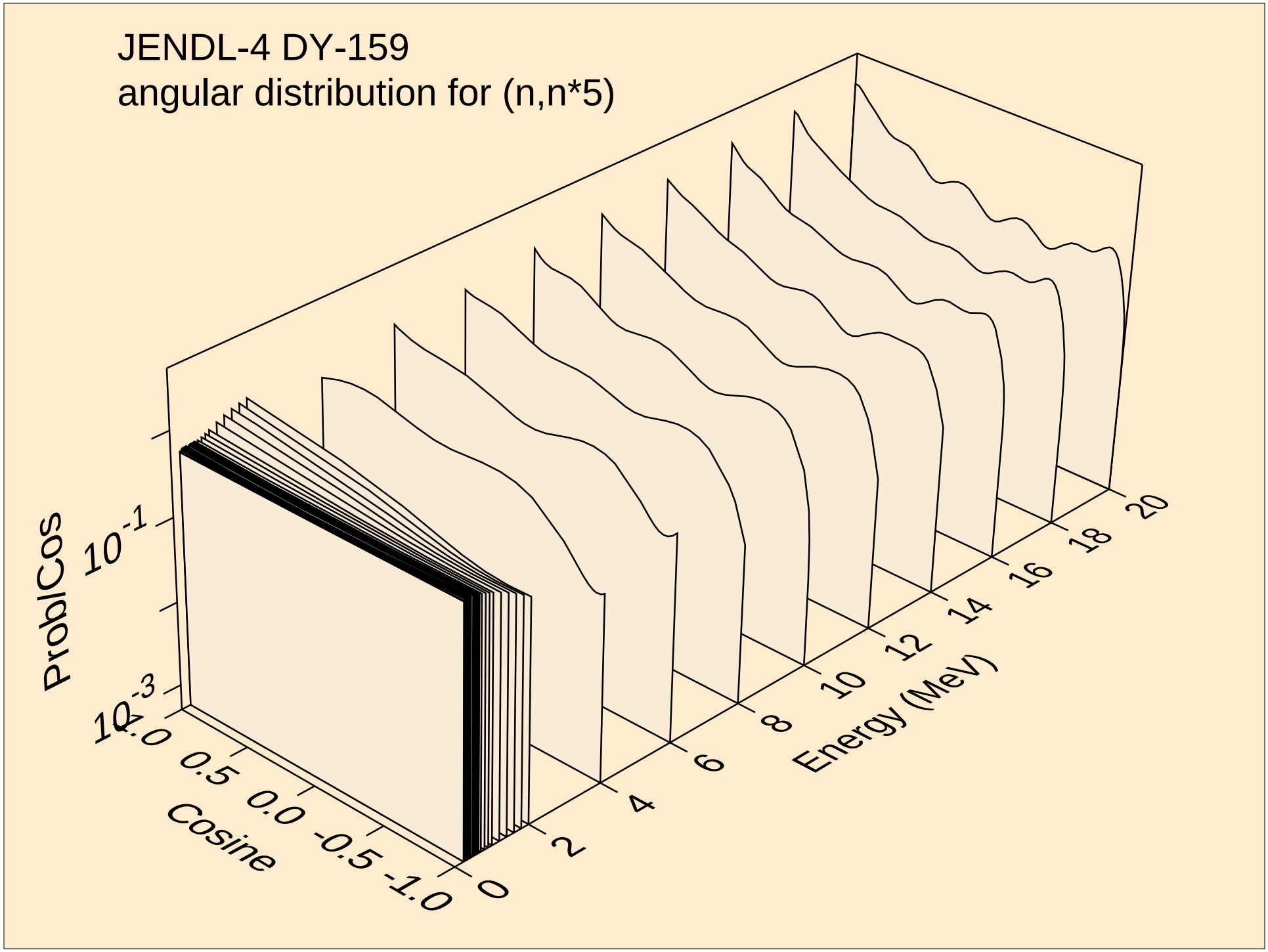

JENDL-4 DY-159
angular distribution for elastic
ProblCos
10^{1}
10^{-1}
10^{-3}
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
0
5
10
15
20

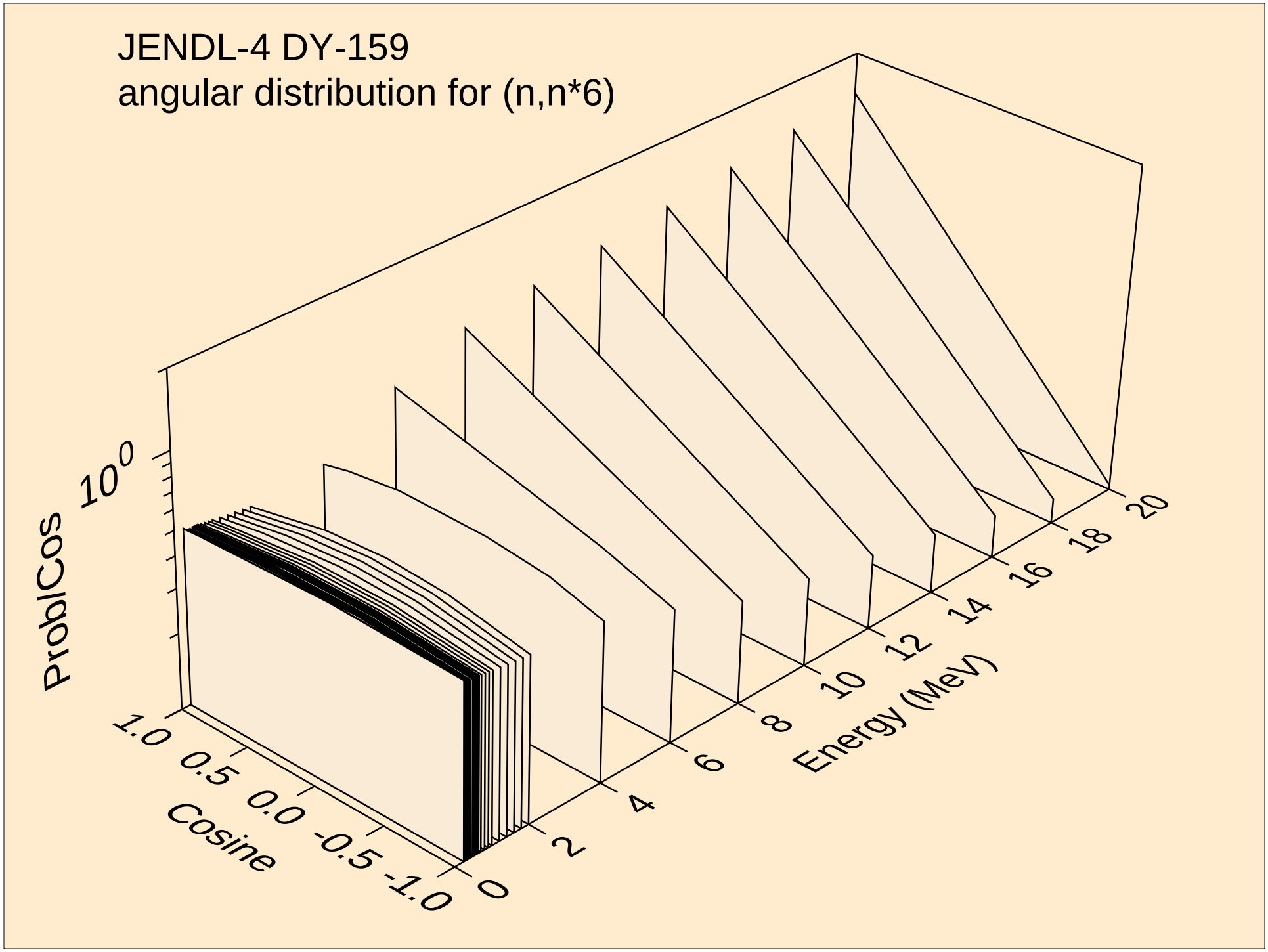

JENDL-4 DY-159
angular distribution for (n,n*1)
ProbCos
10^{0}
10^{-1}
10^{-2}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

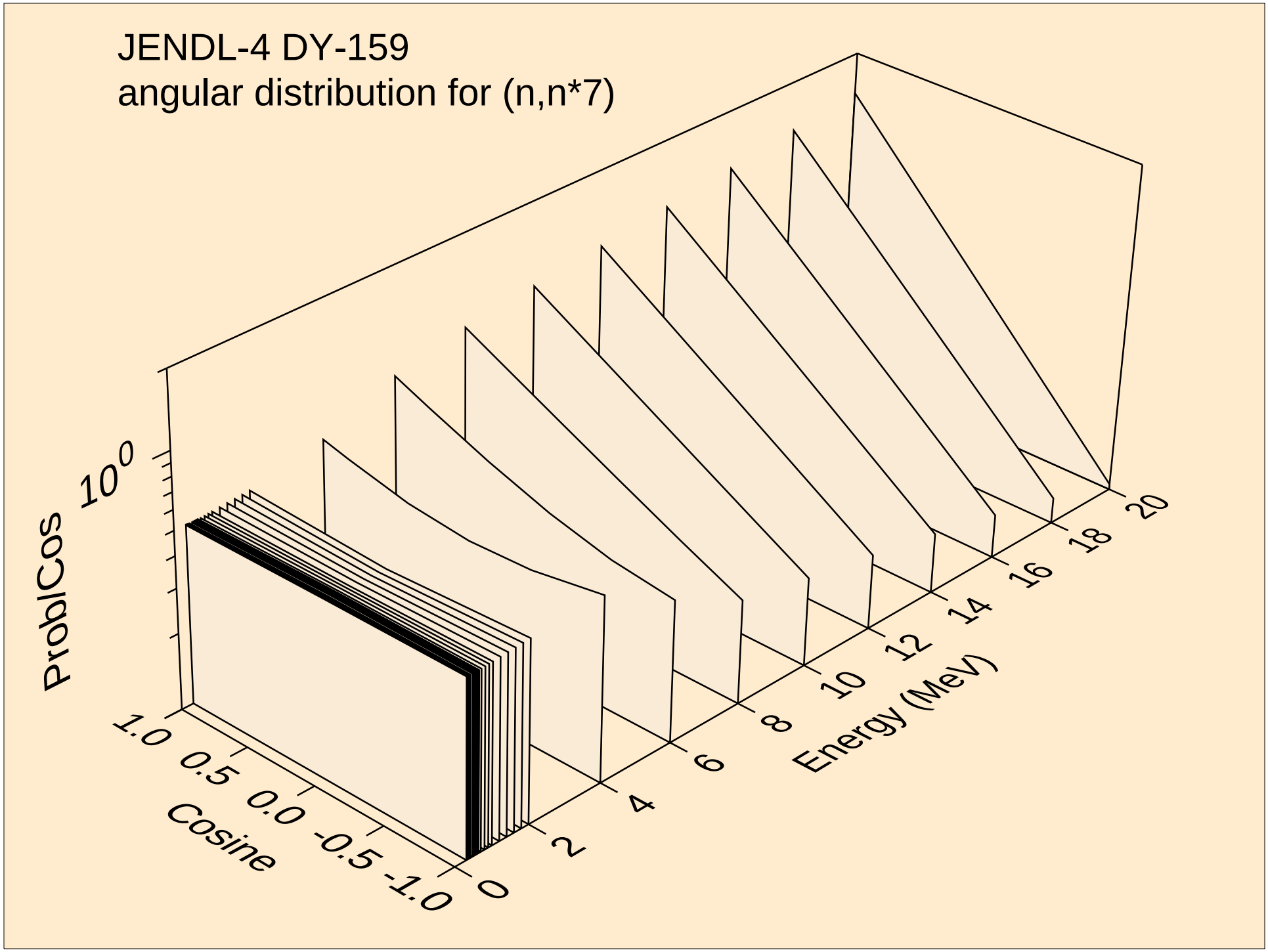

JENDL-4 DY-159
angular distribution for (n,n*2)
ProbCos
10^{0}
10^{-1}
10^{-2}
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
0
2
4
6
8
10
12
14
16
18
20

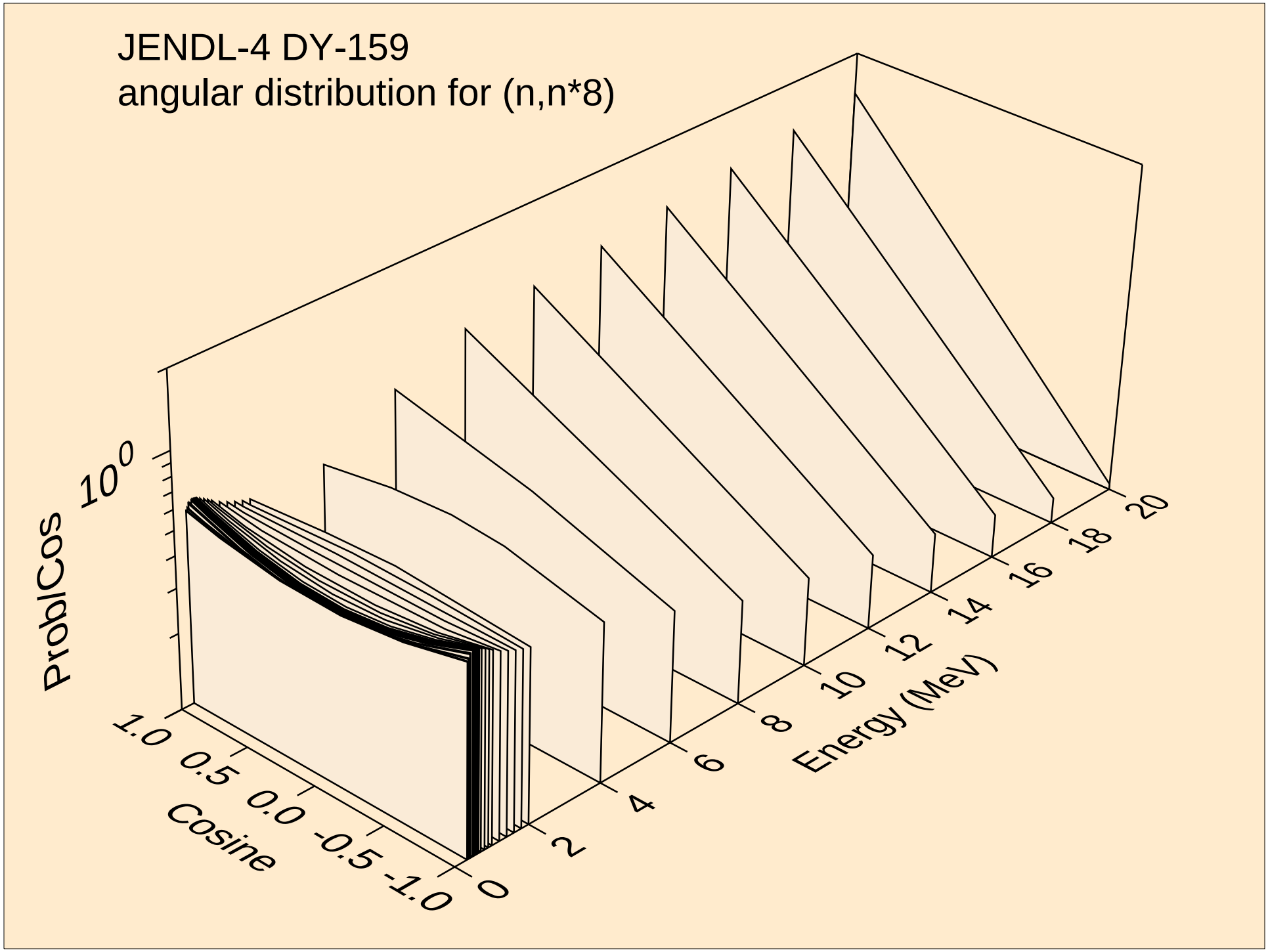

JENDL-4 DY-159
angular distribution for (n,n*3)
ProbCos
10^0
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
0
2
4
6
8
10
12
14
16
18
20


JENDL-4 DY-159
angular distribution for (n,n*4)
ProbCos
10^0
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
0
2
4
6
8
10
12
14
16
18
20


JENDL-4 DY-159
angular distribution for (n,n*5)
ProbCos
10^-1
10^-3
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)


JENDL-4 DY-159
angular distribution for (n,n*6)
ProblCos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)


JENDL-4 DY-159
angular distribution for (n,n*7)
ProbCos
10^0
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
0
2
4
6
8
10
12
14
16
18
20


JENDL-4 DY-159
angular distribution for (n,n*8)
ProbCos
10^0
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
0
2
4
6
8
10
12
14
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18
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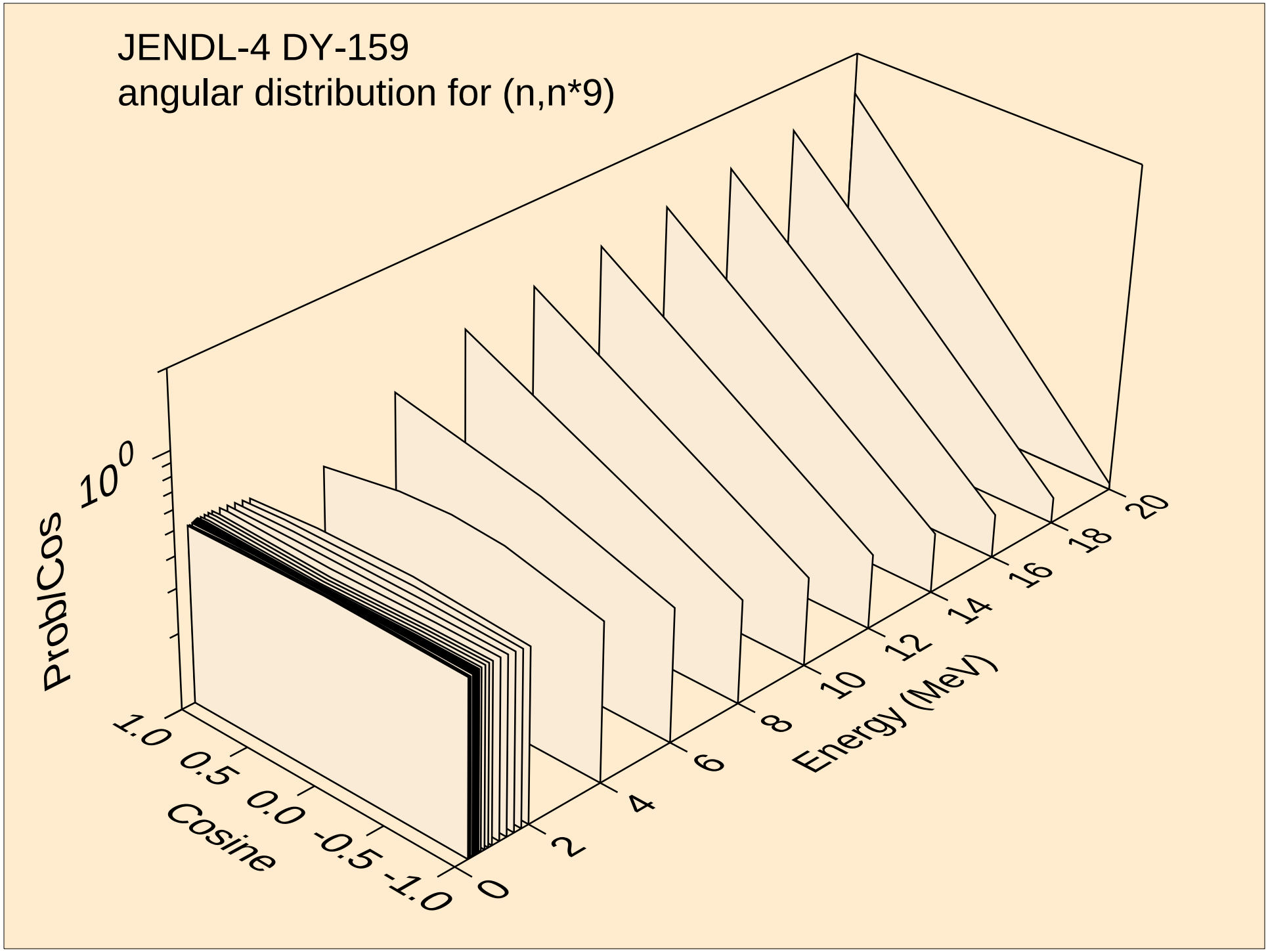
JENDL-4 DY-159
angular distribution for (n,n*9)
ProbCos
10^0
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
0
2
4
6
8
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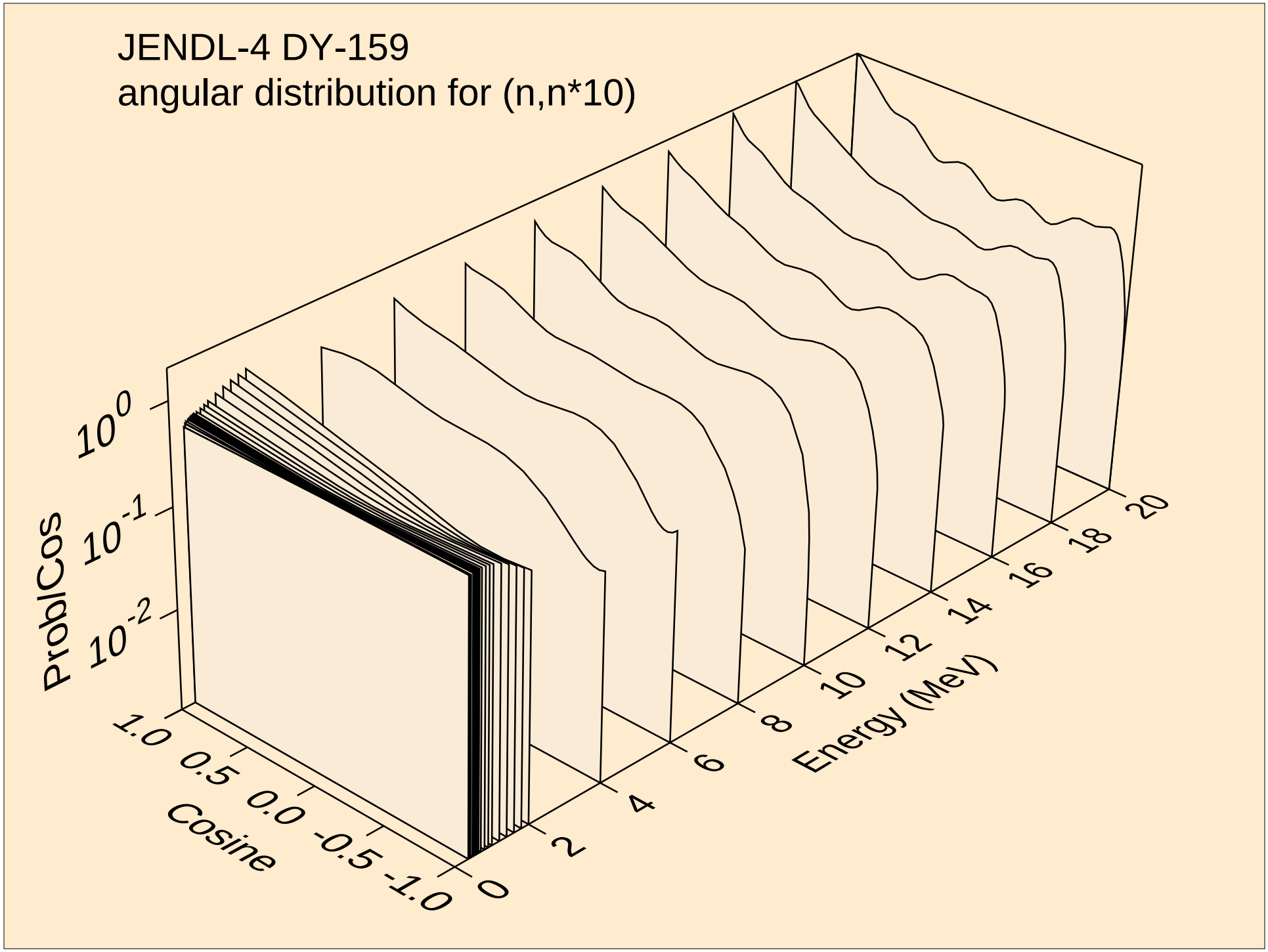
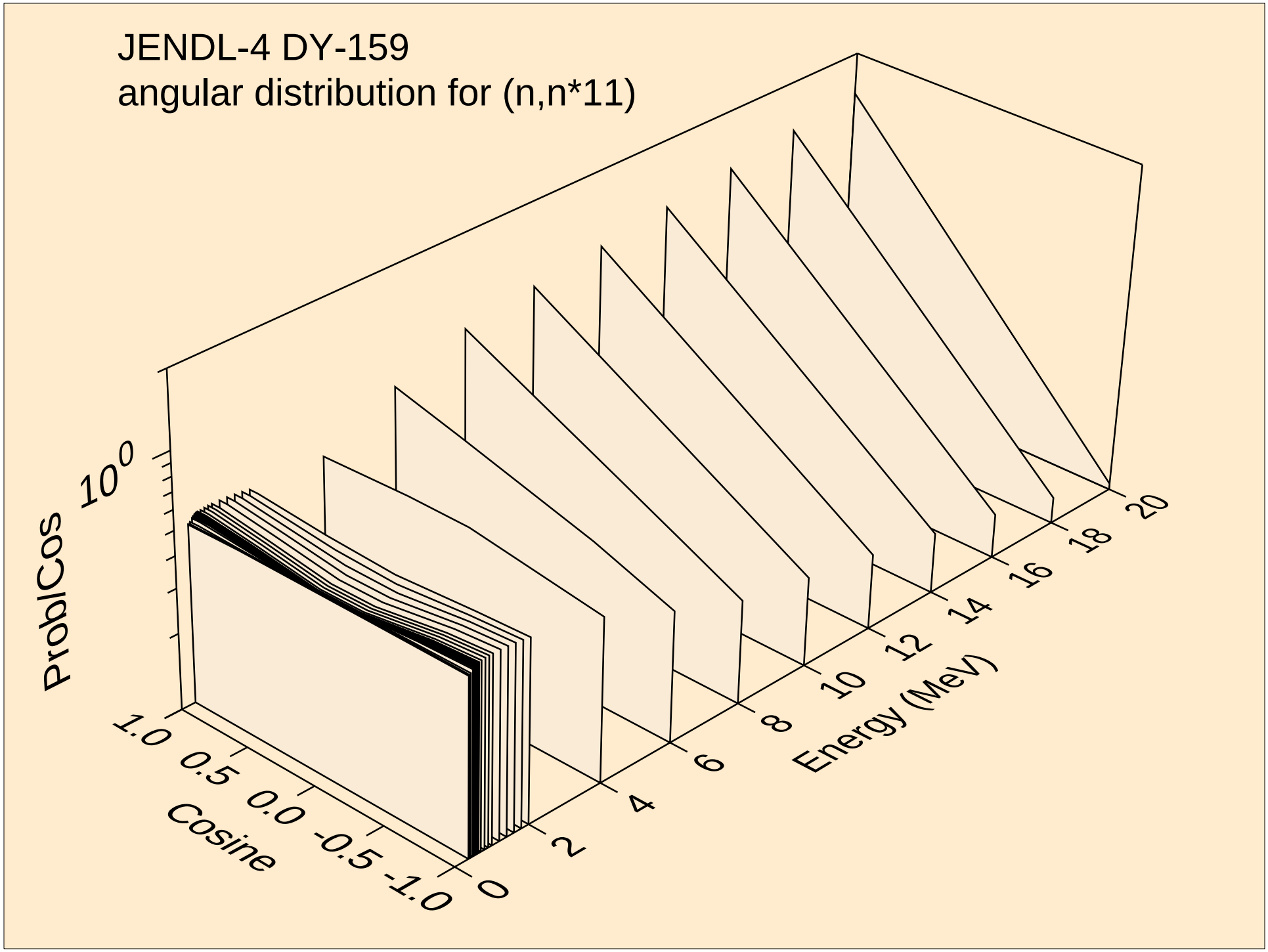
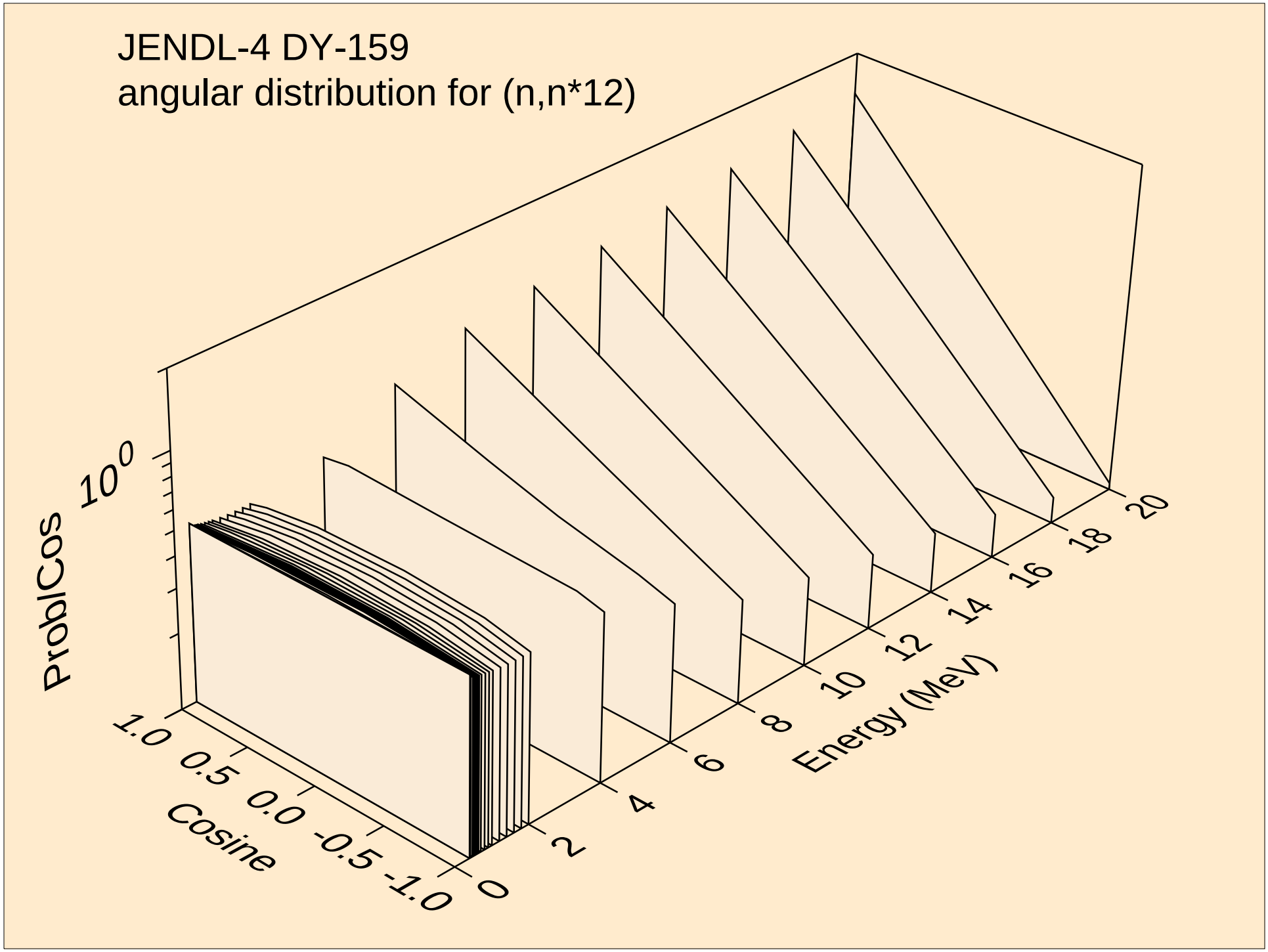
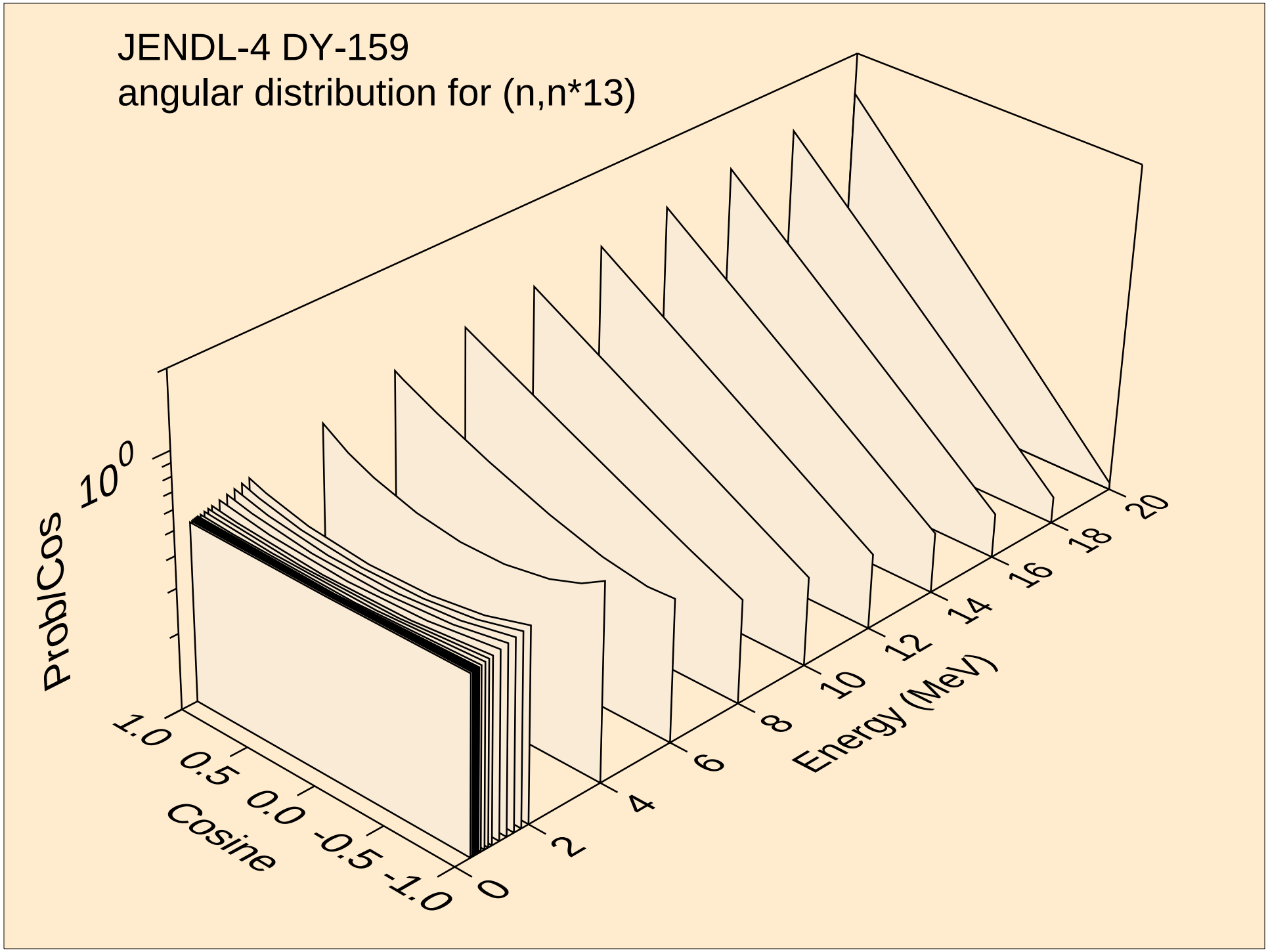
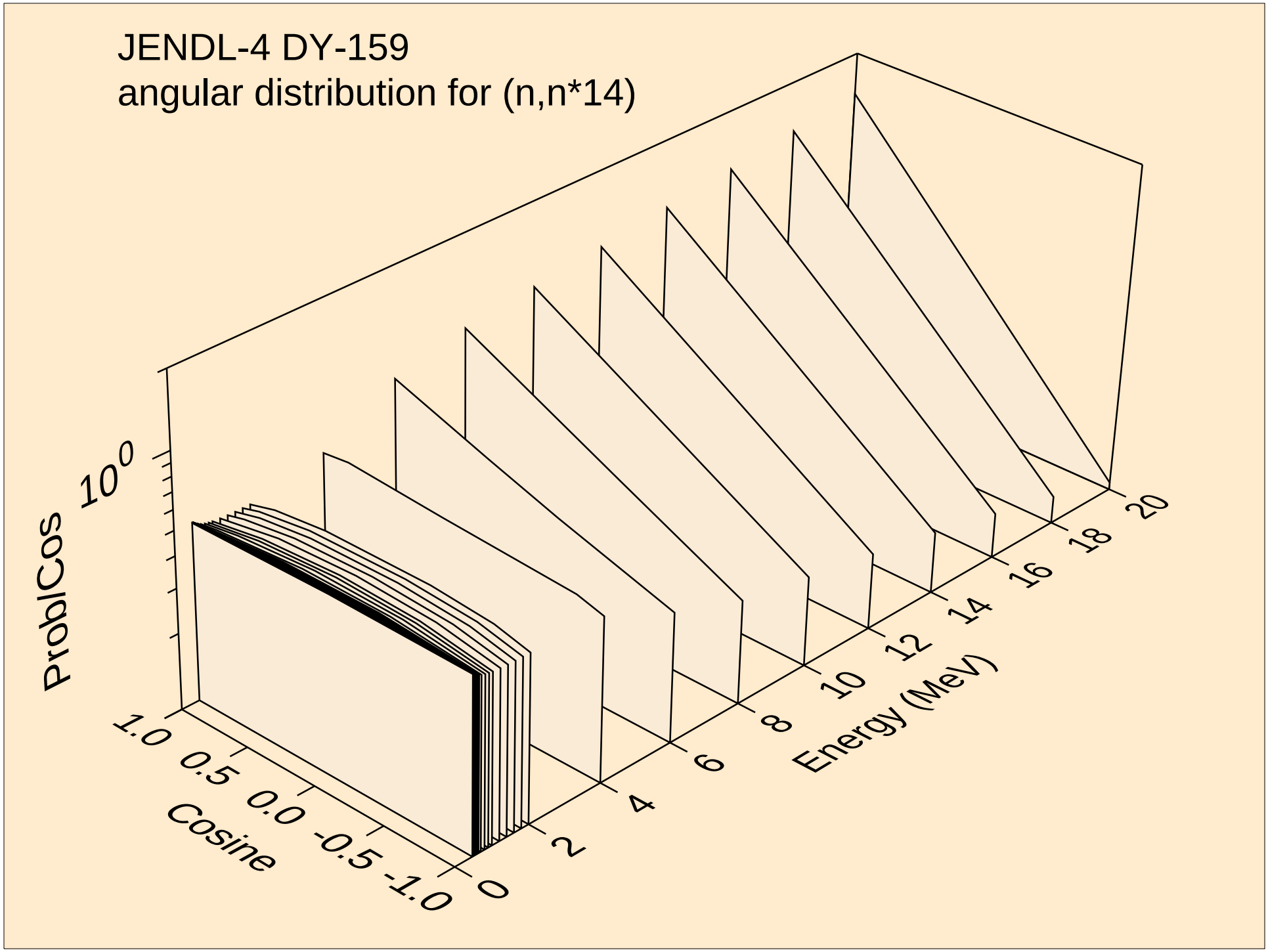
12
14
16
18
20

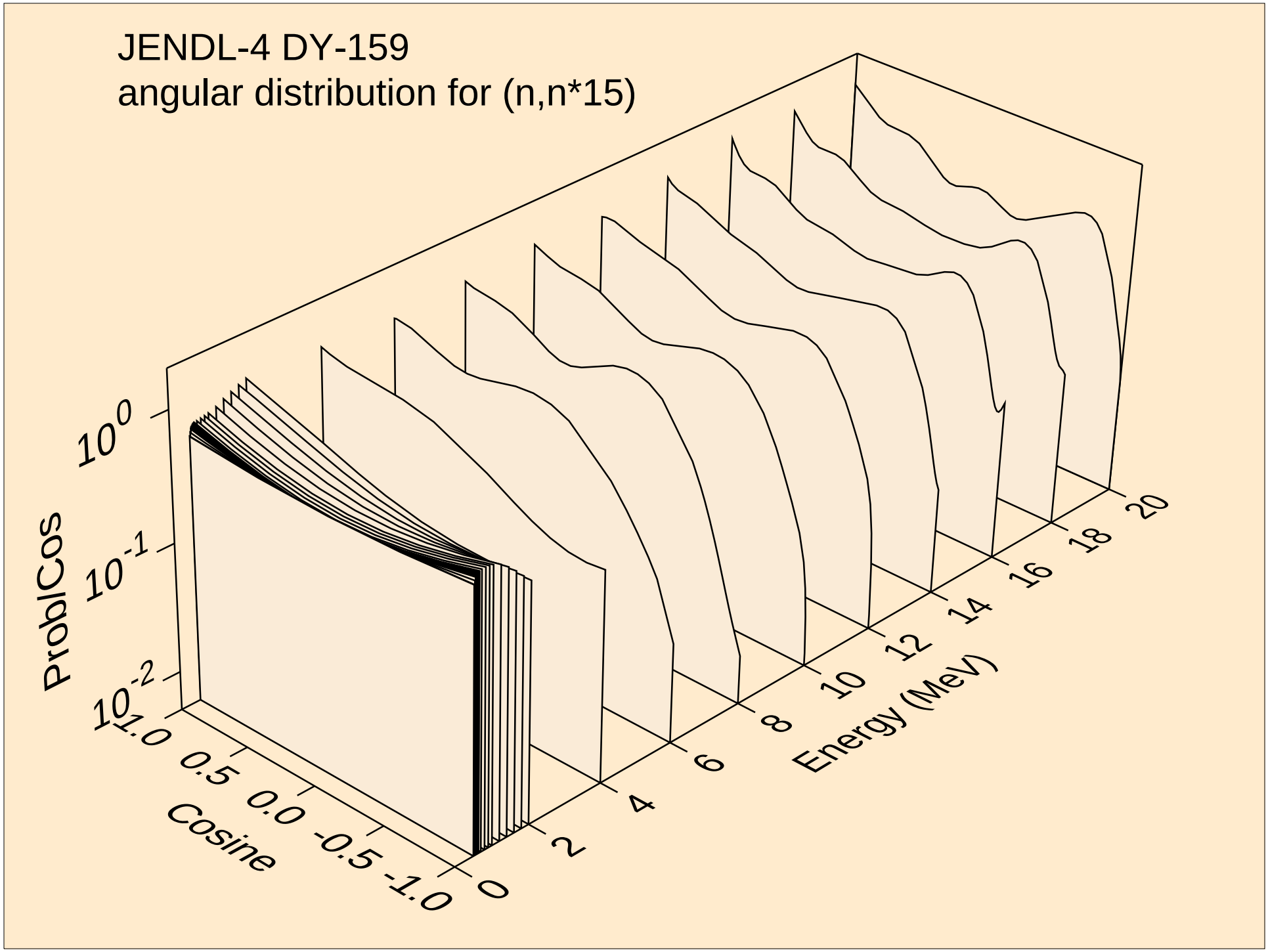

JENDL-4 DY-159
angular distribution for (n,n*10)
ProbCos
10^{0}
10^{-1}
10^{-2}
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
0
2
4
6
8
10
12
14
16
18
20

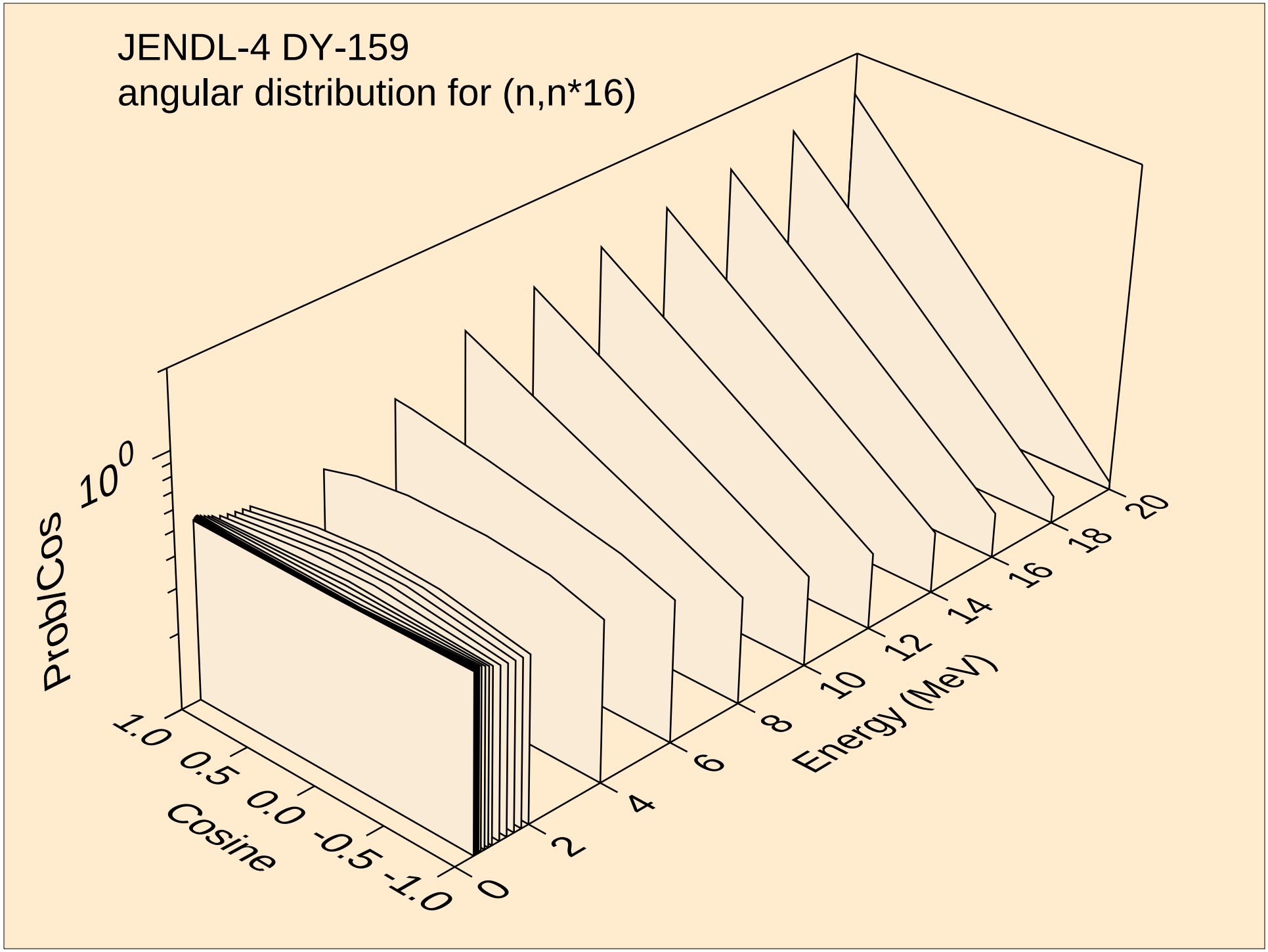

JENDL-4 DY-159
angular distribution for (n,n*11)
ProbCos
10^0
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
0
2
4
6
8
10
12
14
16
18
20

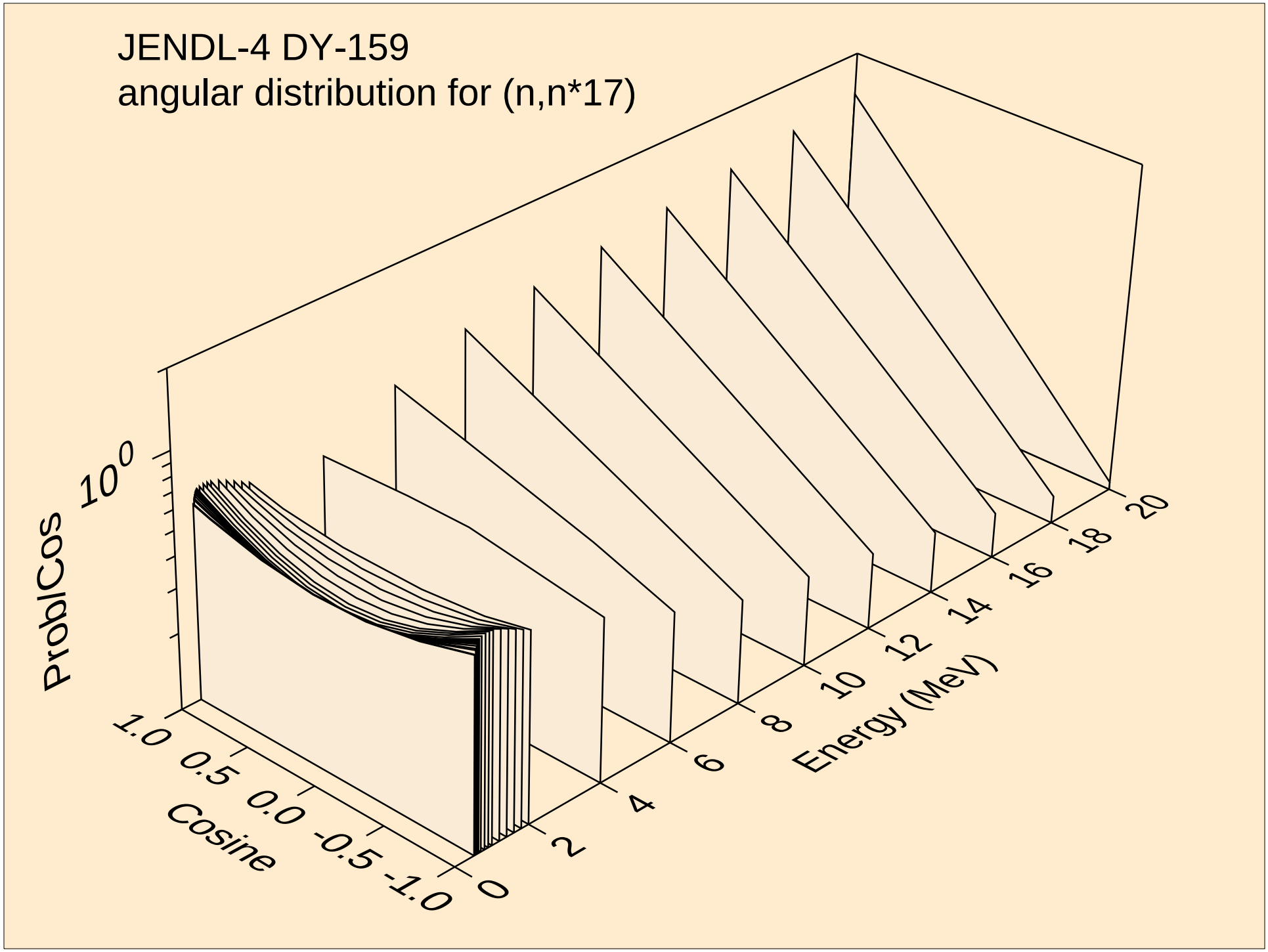

JENDL-4 DY-159
angular distribution for (n,n*12)
ProblCos
10^0
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
0
2
4
6
8
10
12
14
16
18
20

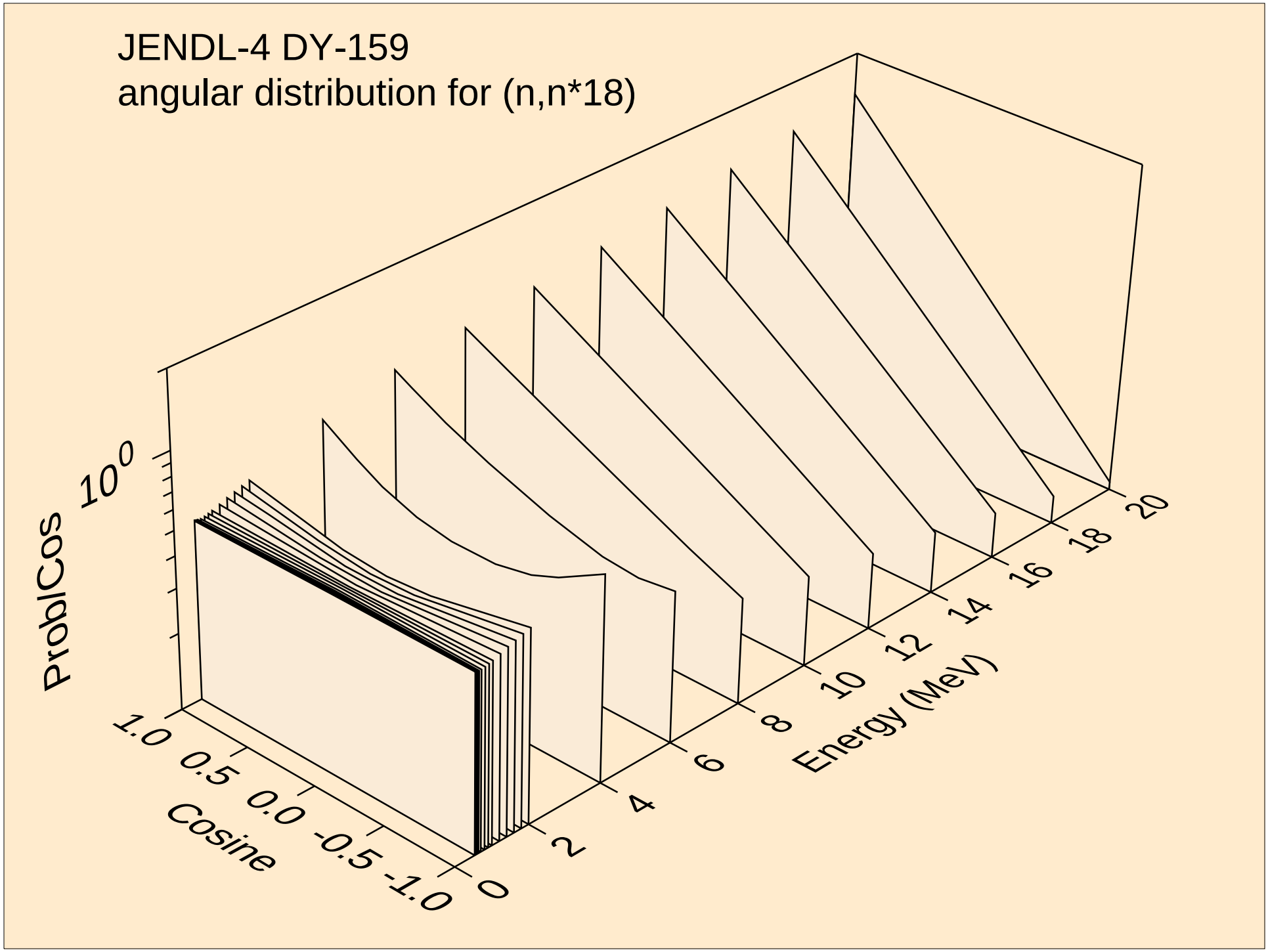

JENDL-4 DY-159
angular distribution for (n,n*13)
ProbCos
10^0
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
0
2
4
6
8
10
12
14
16
18
20

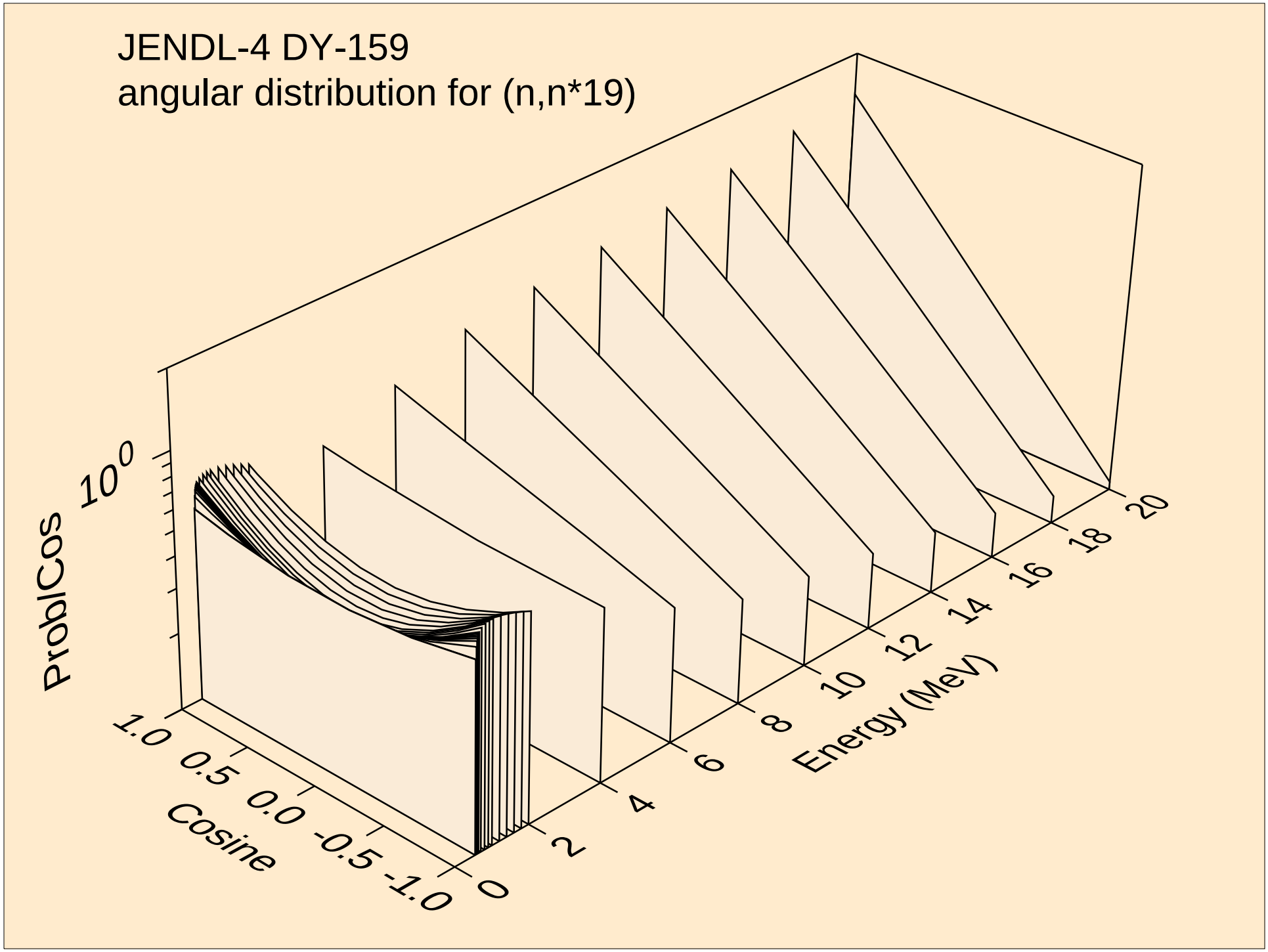

JENDL-4 DY-159
angular distribution for (n,n*14)
ProbCos
10^0
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
0
2
4
6
8
10
12
14
16
18
20

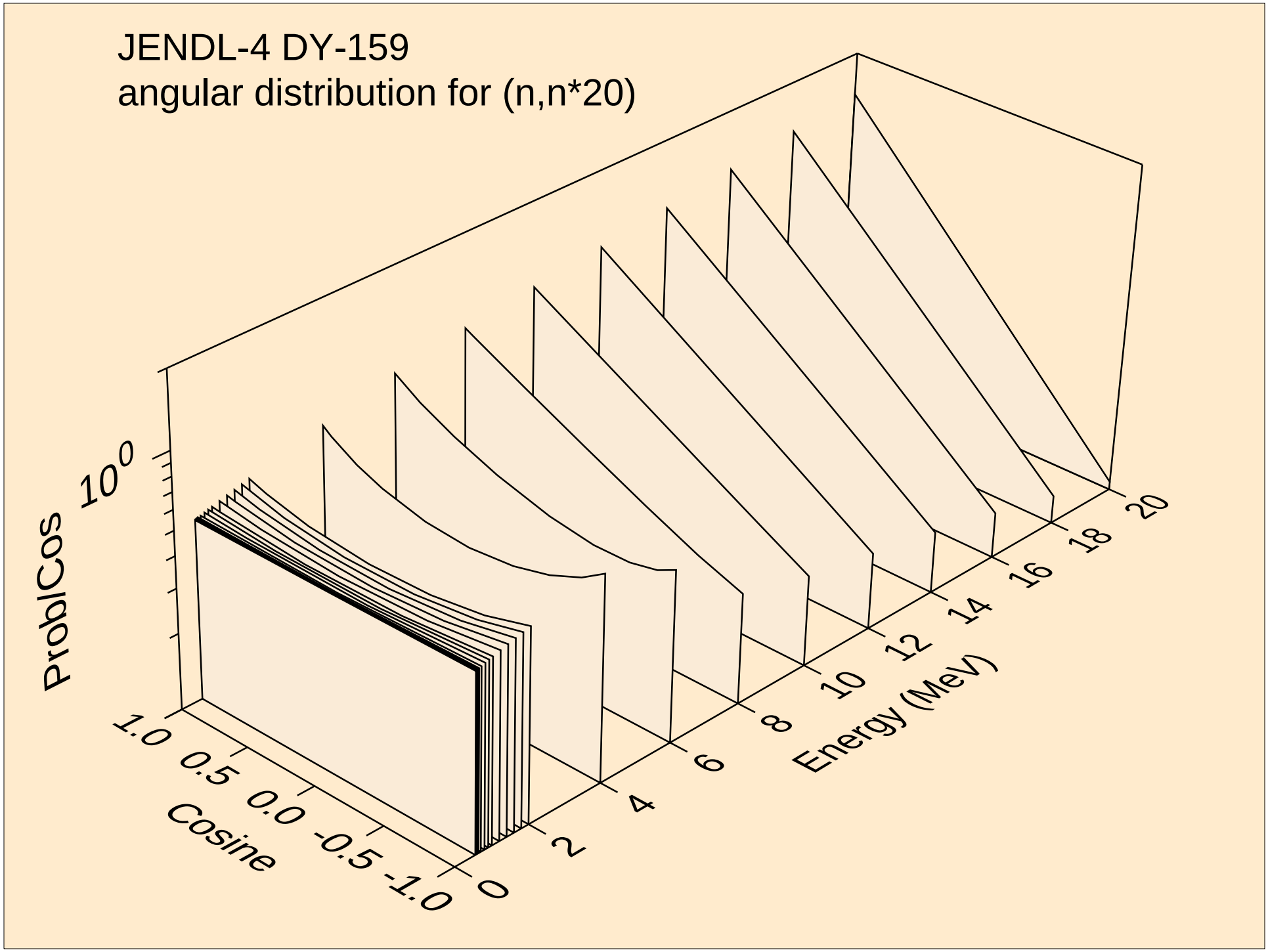

JENDL-4 DY-159
angular distribution for (n,n*15)
ProbCos
10^{0}
10^{-1}
10^{-2}
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
0
2
4
6
8
10
12
14
16
18
20

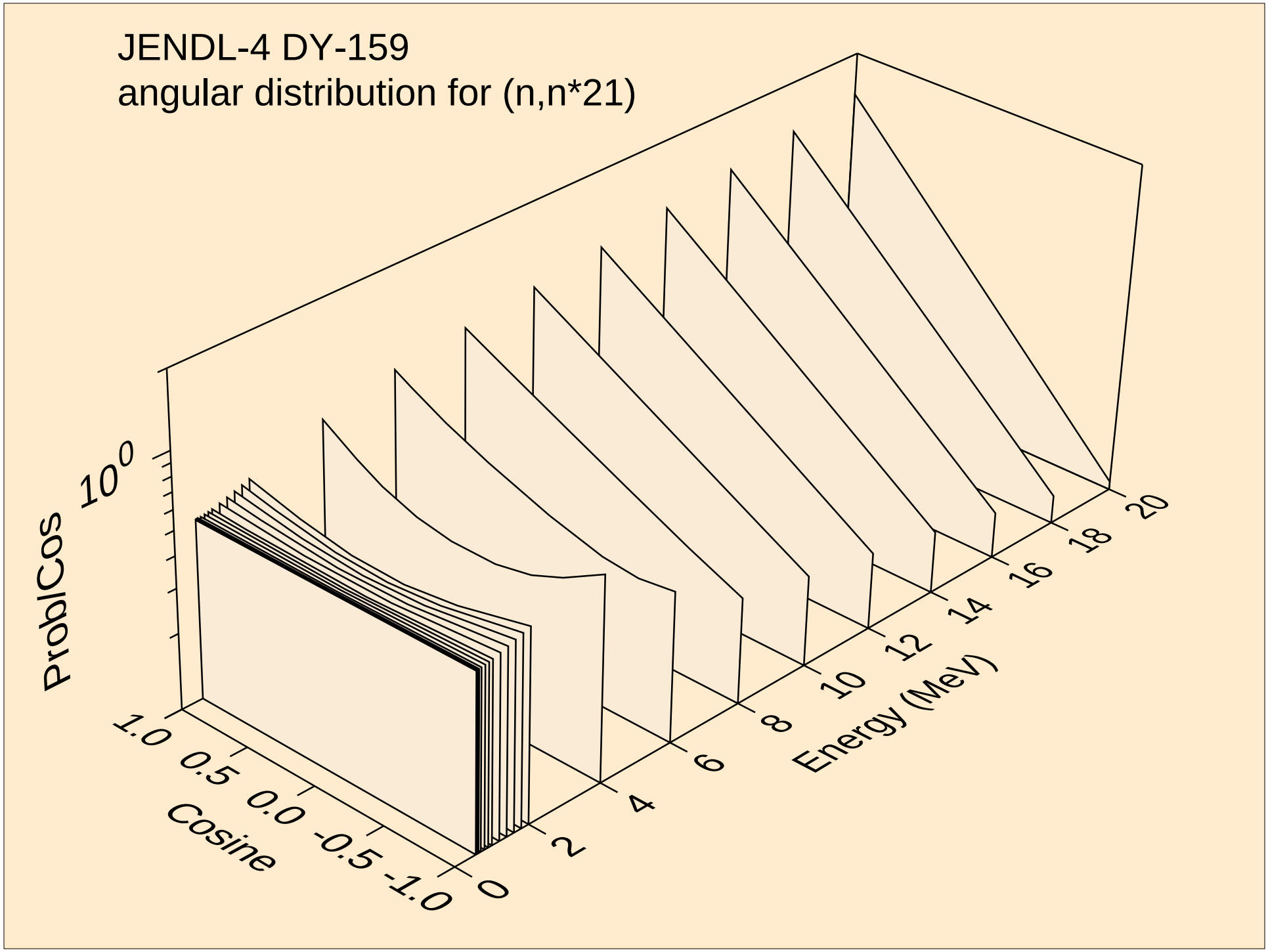

JENDL-4 DY-159
angular distribution for (n,n*16)
ProbCos
10^0
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
0
2
4
6
8
10
12
14
16
18
20

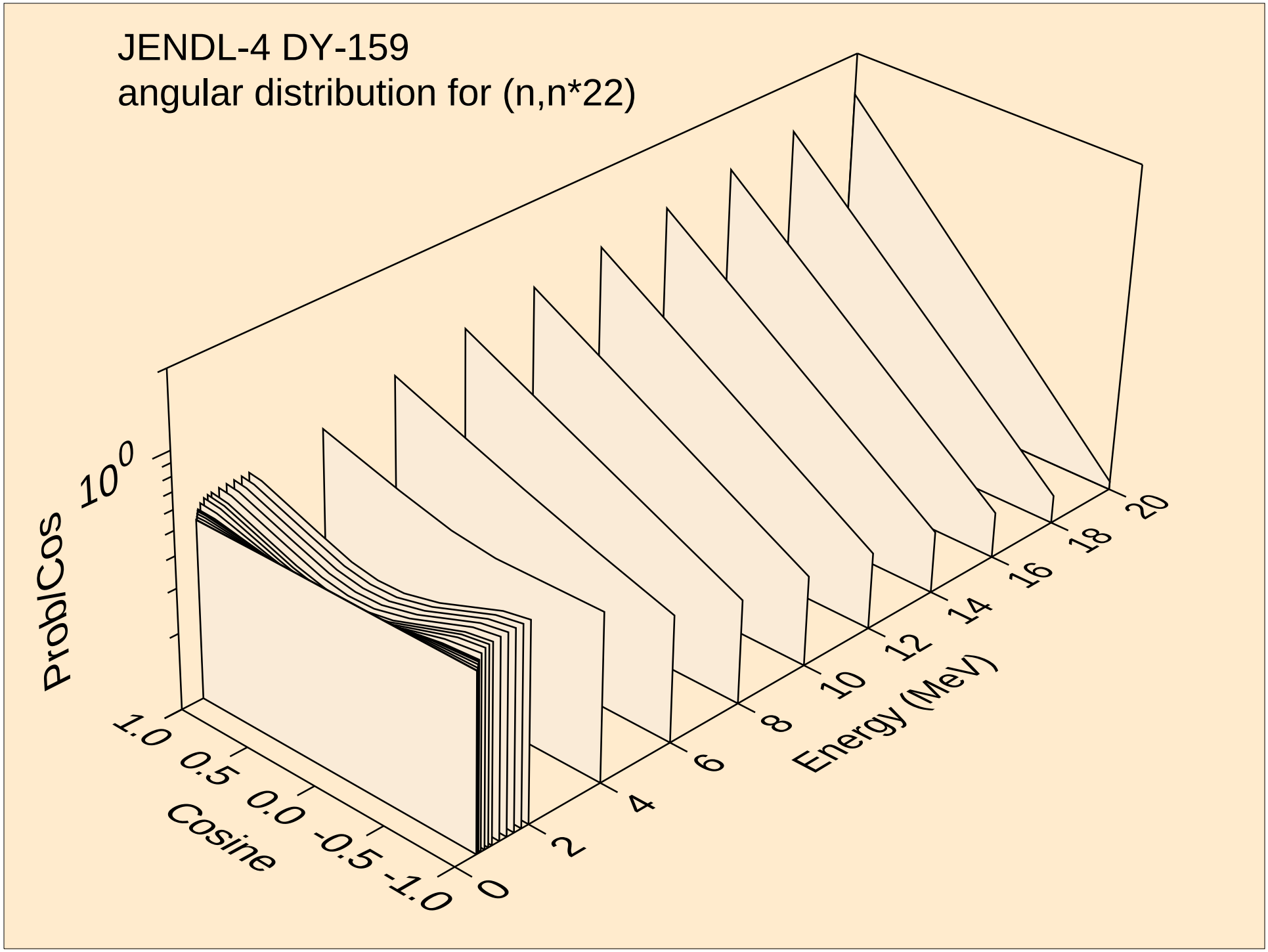

JENDL-4 DY-159
angular distribution for (n,n*17)
ProbCos
10^0
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
0
2
4
6
8
10
12
14
16
18
20

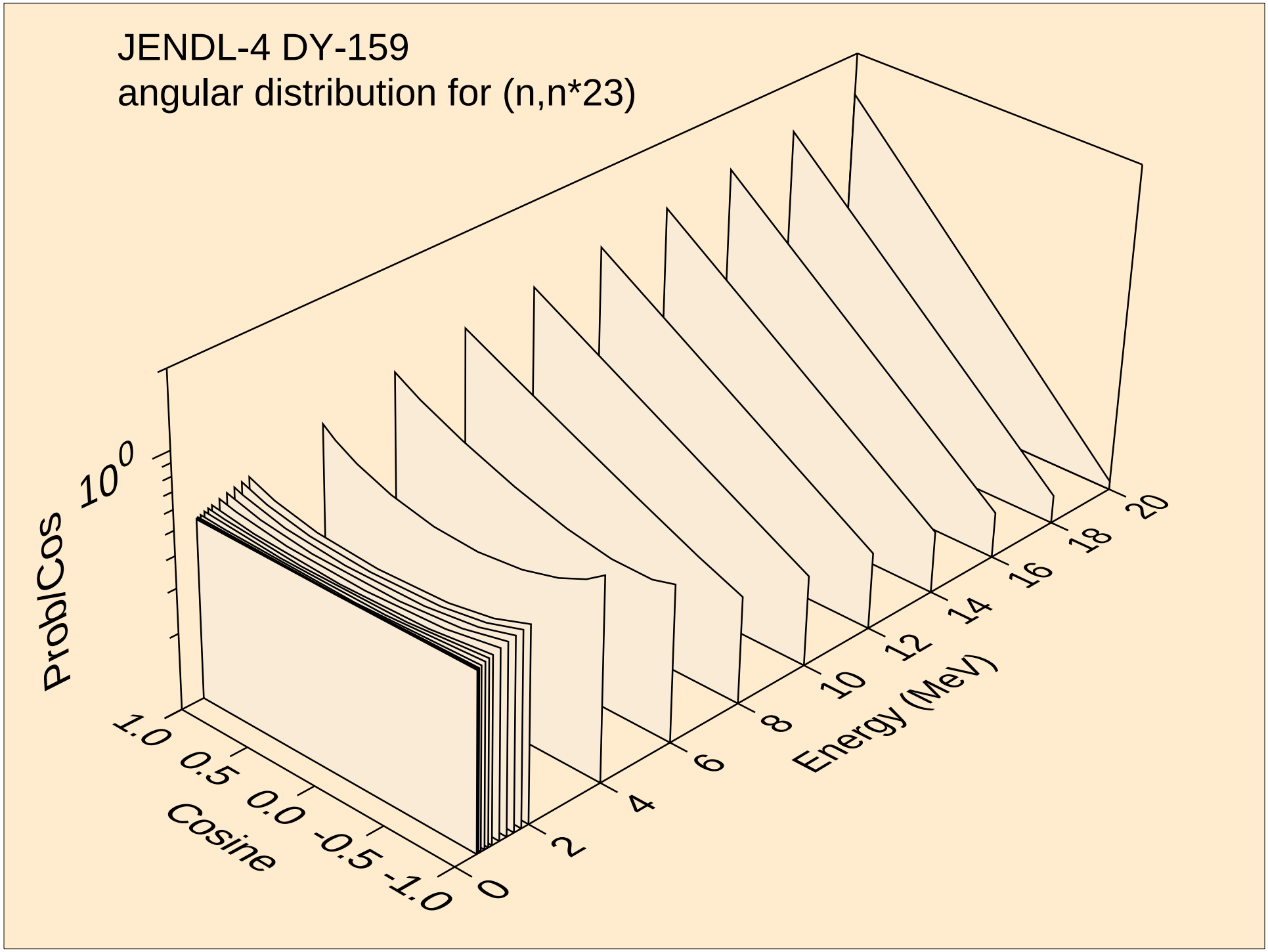

JENDL-4 DY-159
angular distribution for (n,n*18)
ProblCos
10^0
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
0
2
4
6
8
10
12
14
16
18
20

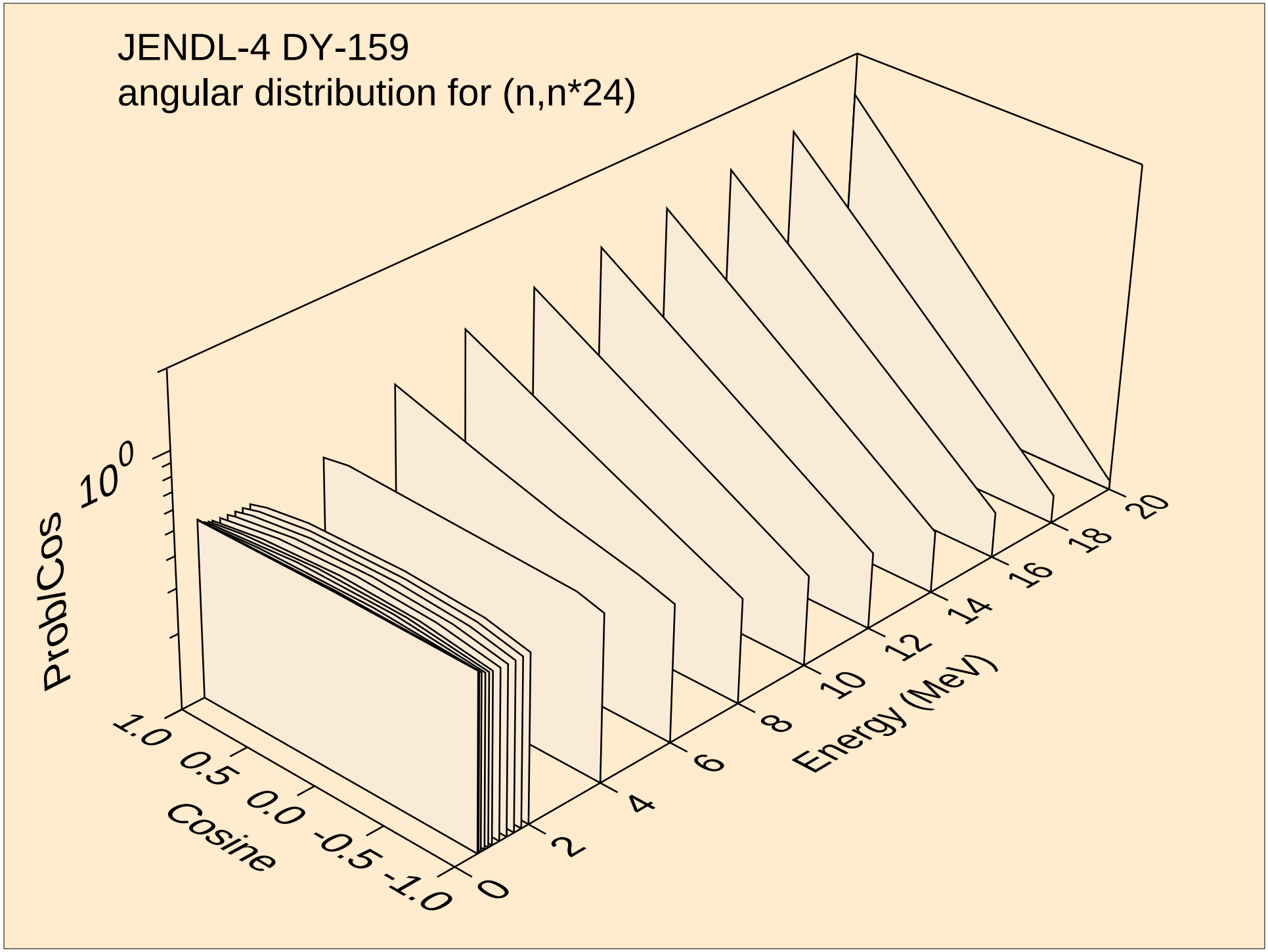

JENDL-4 DY-159
angular distribution for (n,n*19)
ProblCos
10^0
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
0
2
4
6
8
10
12
14
16
18
20

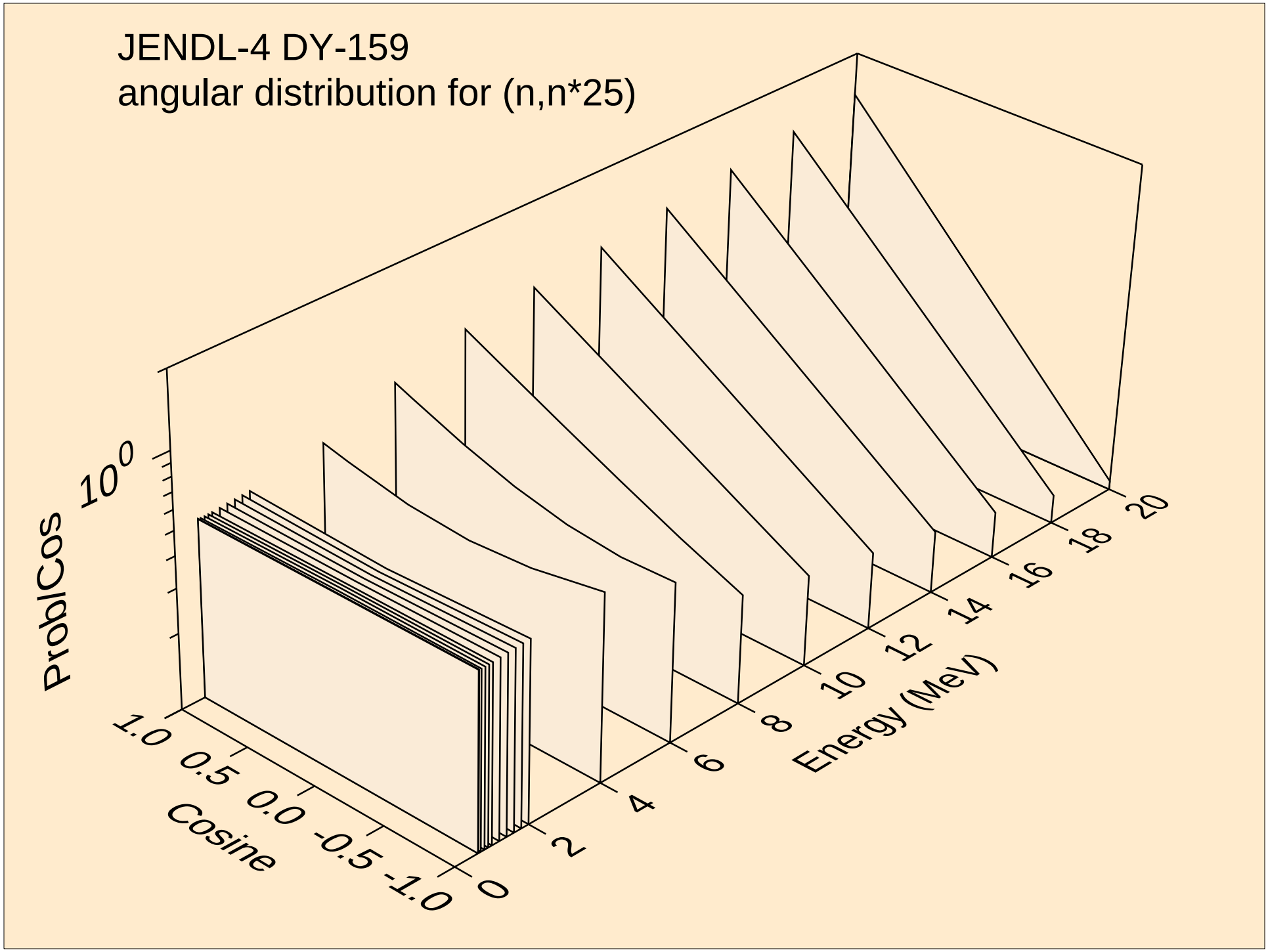

JENDL-4 DY-159
angular distribution for (n,n*20)
ProblCos
10^0
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

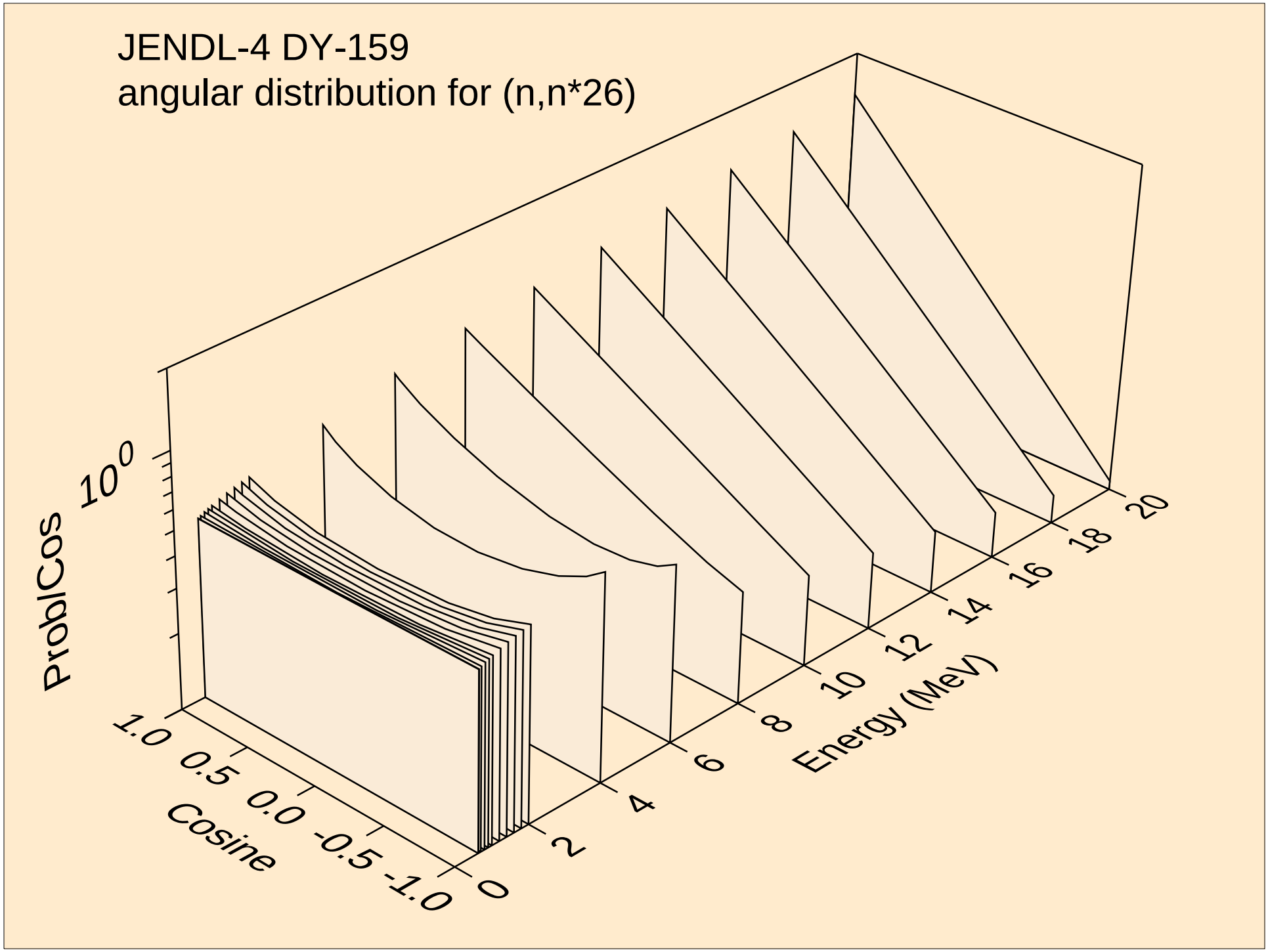

JENDL-4 DY-159
angular distribution for (n,n*21)
ProblCos
10^0
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
0
2
4
6
8
10
12
14
16
18
20

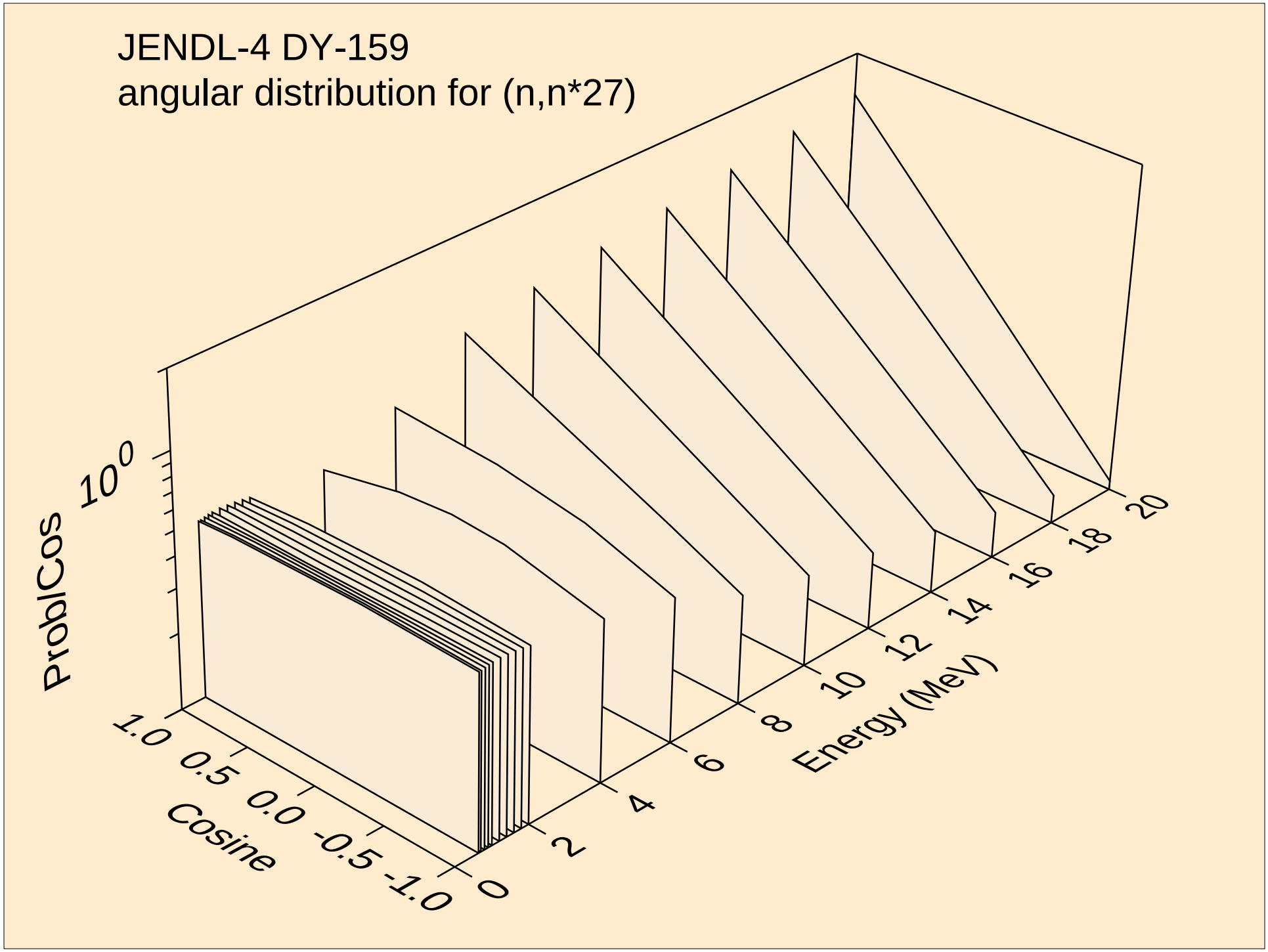

JENDL-4 DY-159
angular distribution for (n,n*22)
ProblCos
10^0
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
0
2
4
6
8
10
12
14
16
18
20

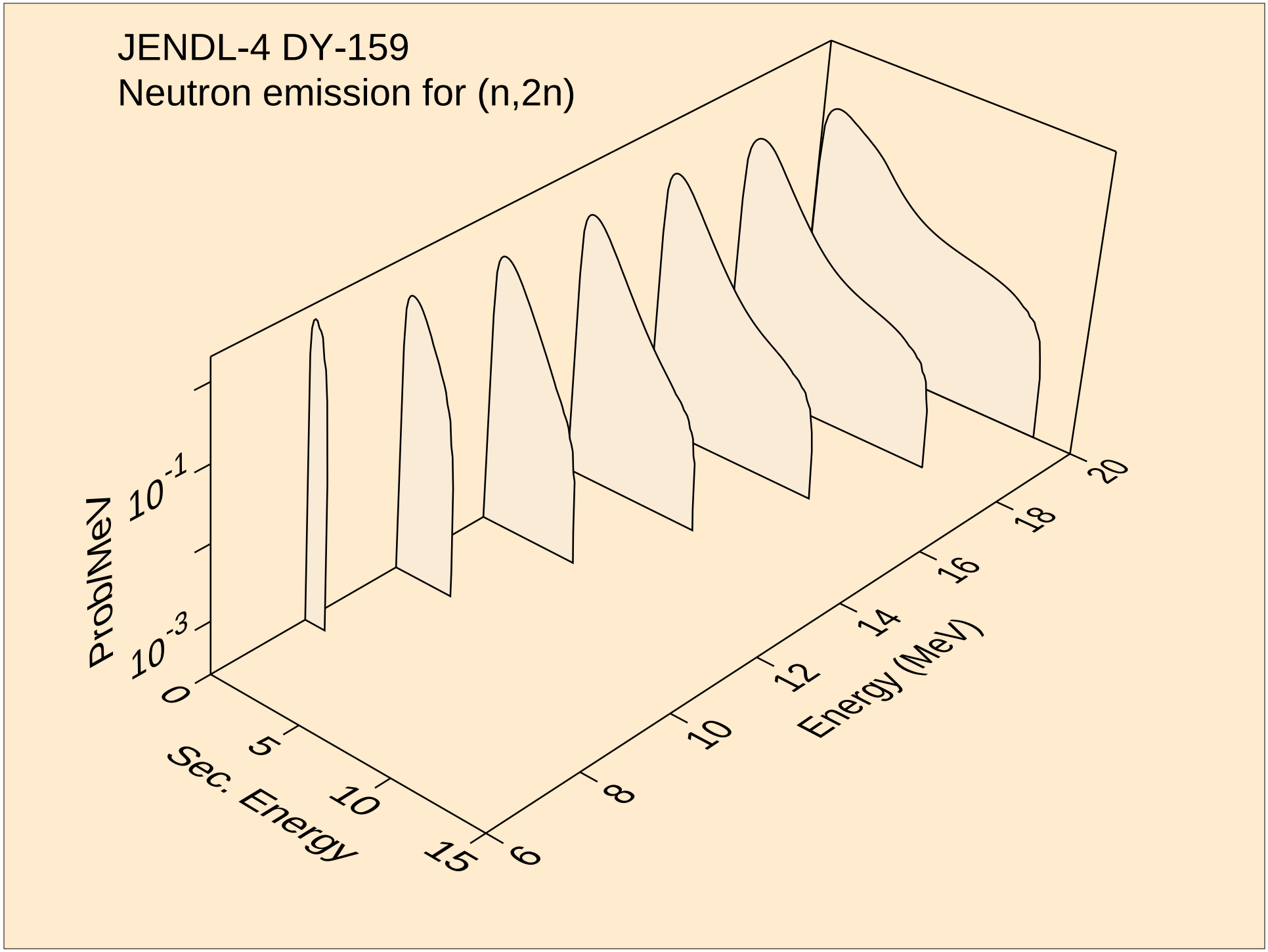

JENDL-4 DY-159
angular distribution for (n,n*23)
ProblCos
10^0
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
0
2
4
6
8
10
12
14
16
18
20

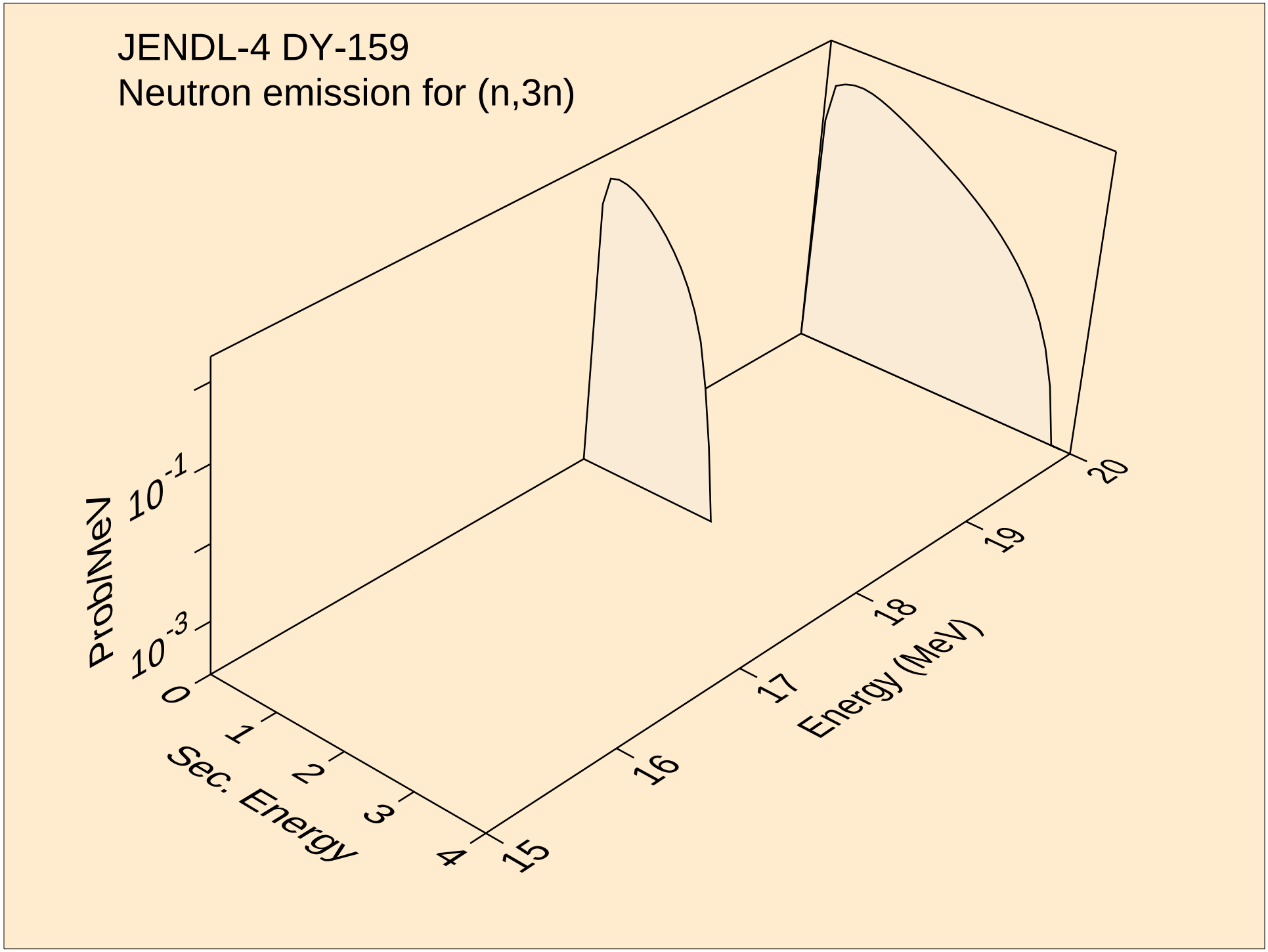

JENDL-4 DY-159
angular distribution for (n,n*24)
ProbCos
10^0
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
0
2
4
6
8
10
12
14
16
18
20

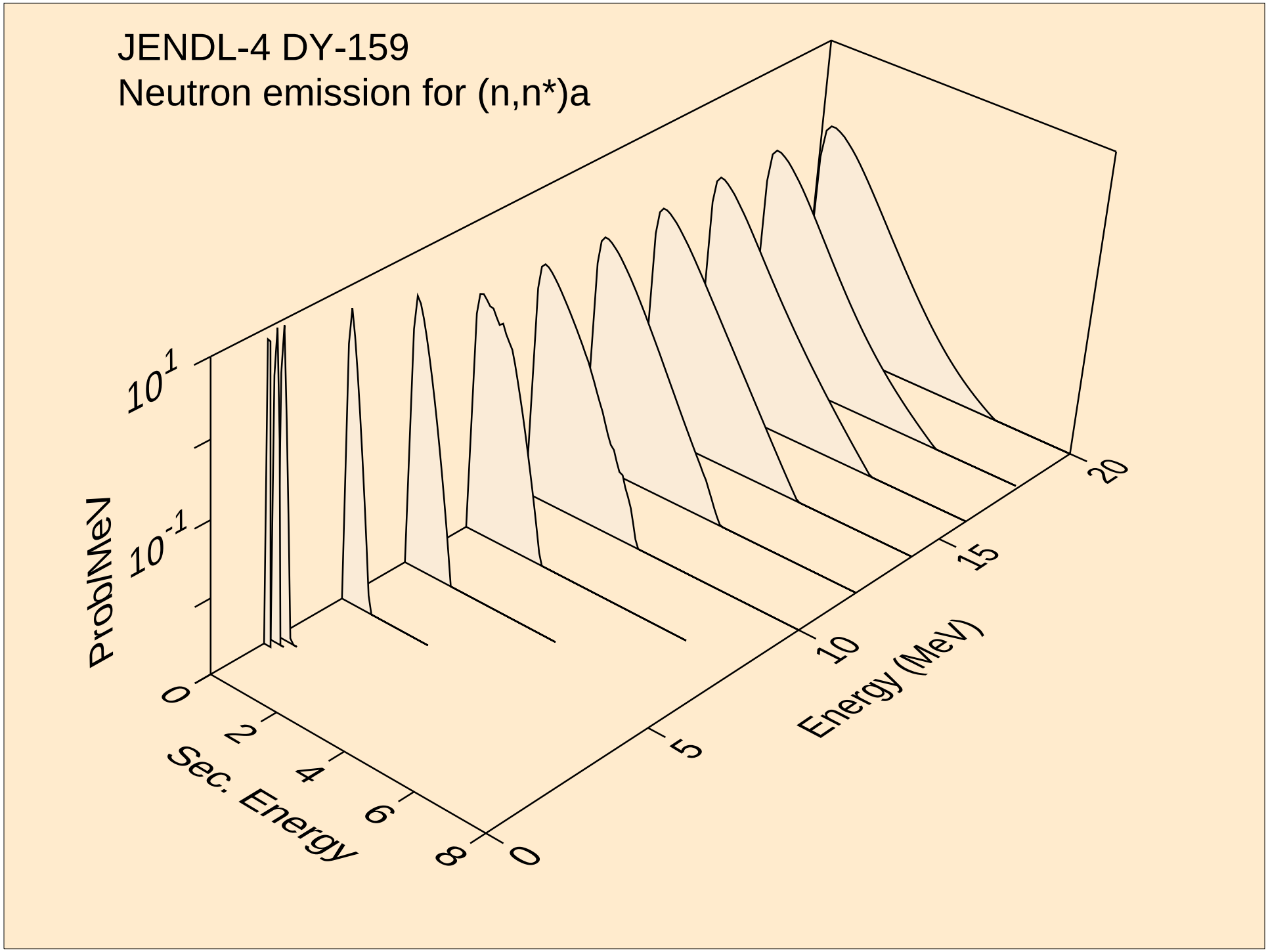

JENDL-4 DY-159
angular distribution for (n,n*25)
ProbCos
10^0
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
0
2
4
6
8
10
12
14
16
18
20

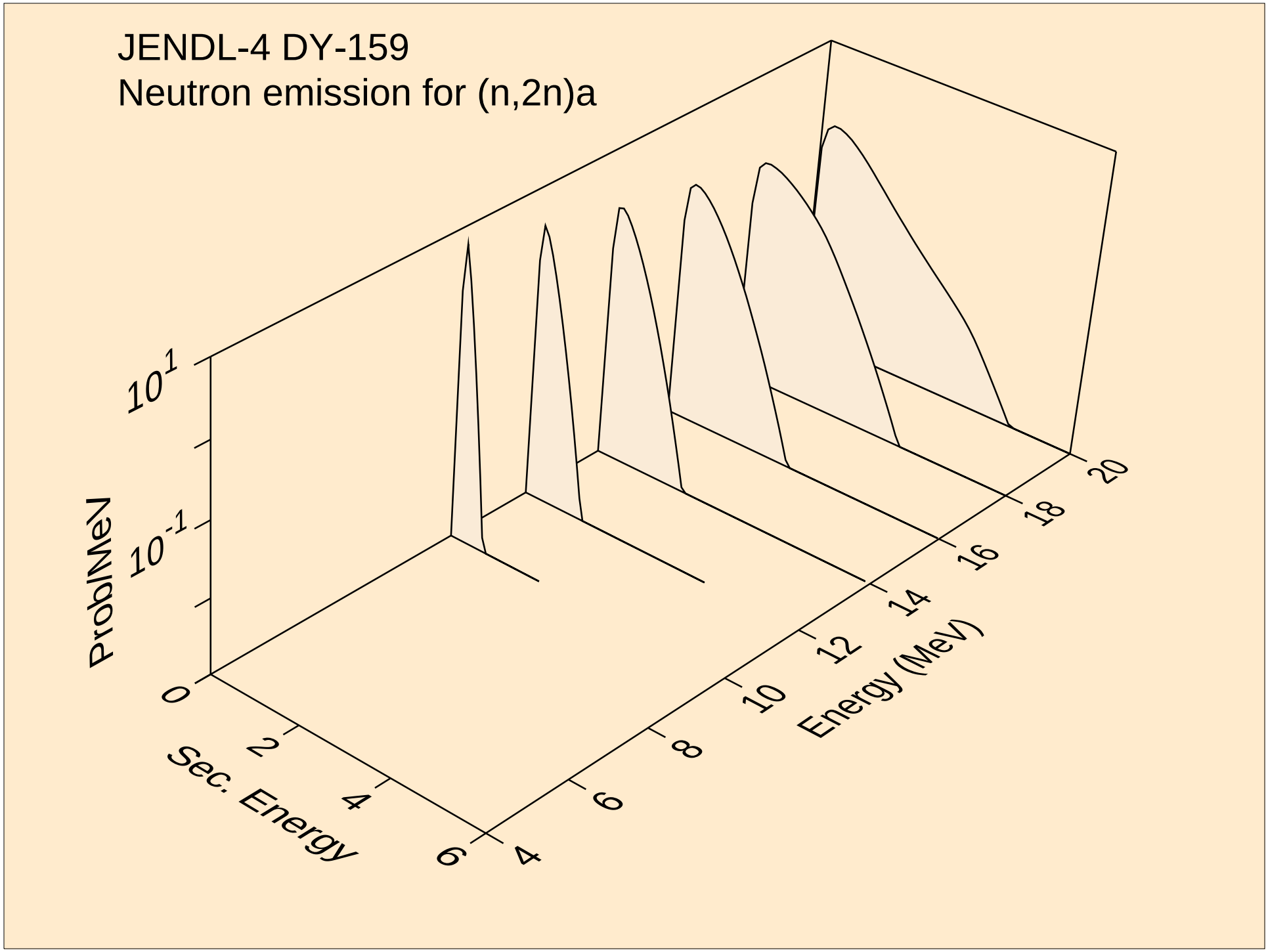

JENDL-4 DY-159
angular distribution for (n,n*26)
ProbCos
10^0
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
0
2
4
6
8
10
12
14
16
18
20

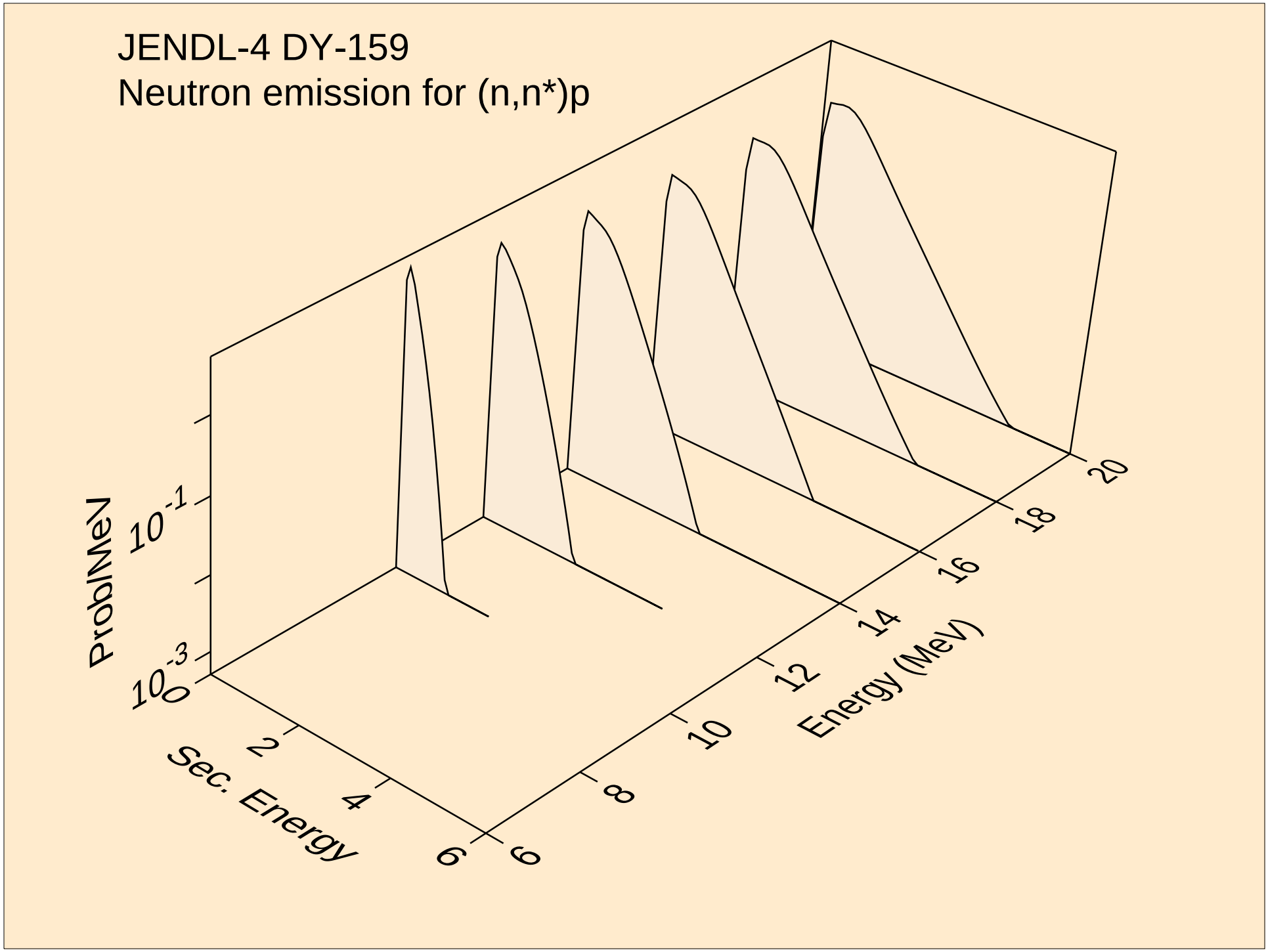

JENDL-4 DY-159
angular distribution for (n,n*27)
ProblCos
10^0
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
0
2
4
6
8
10
12
14
16
18
20

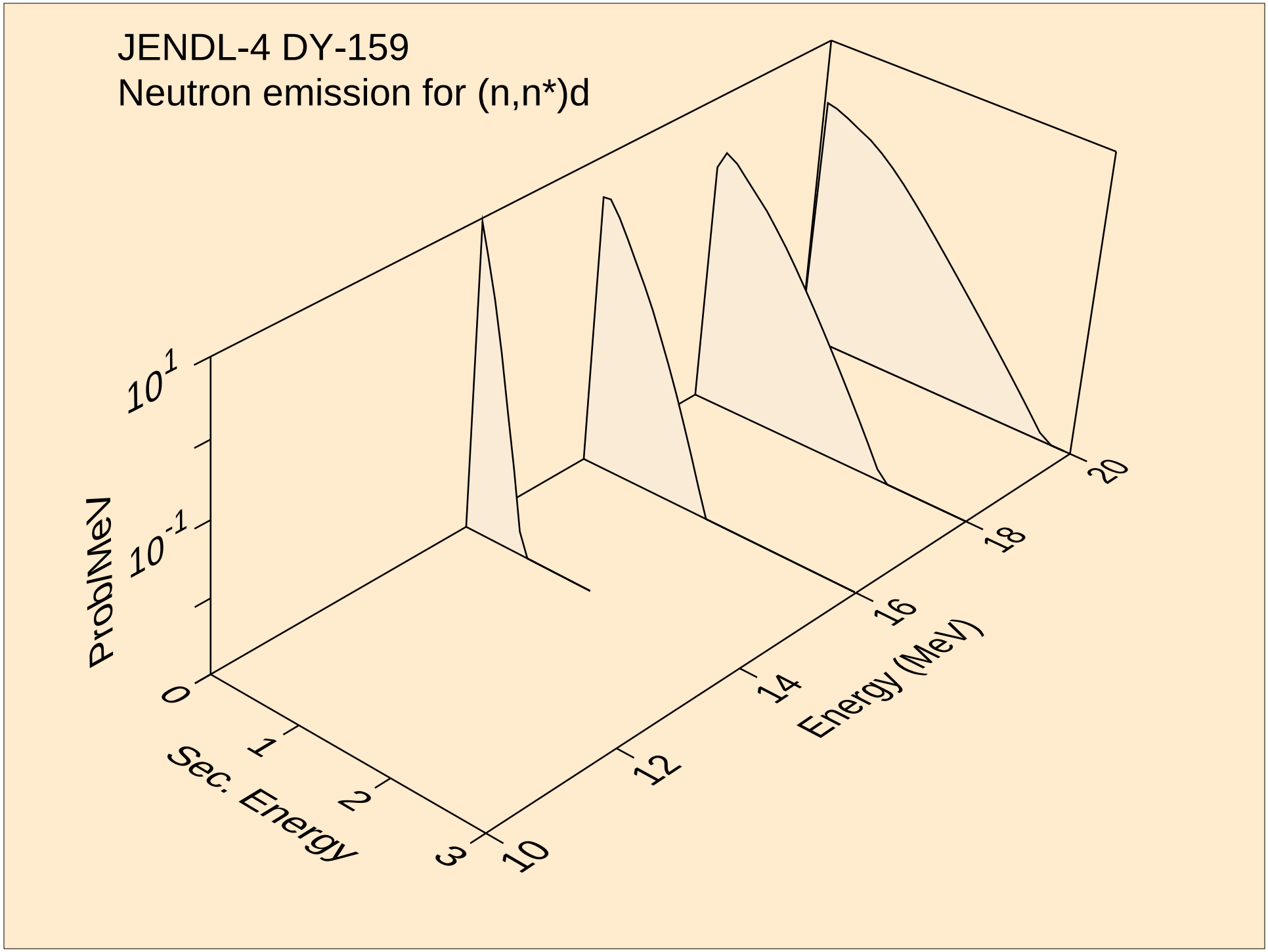

JENDL-4 DY-159
Neutron emission for (n,2n)
Prob/MeV
10-1
10-3
0
5
10
15
Sec. Energy
6
8
10
12
14
16
18
20
Energy (MeV)

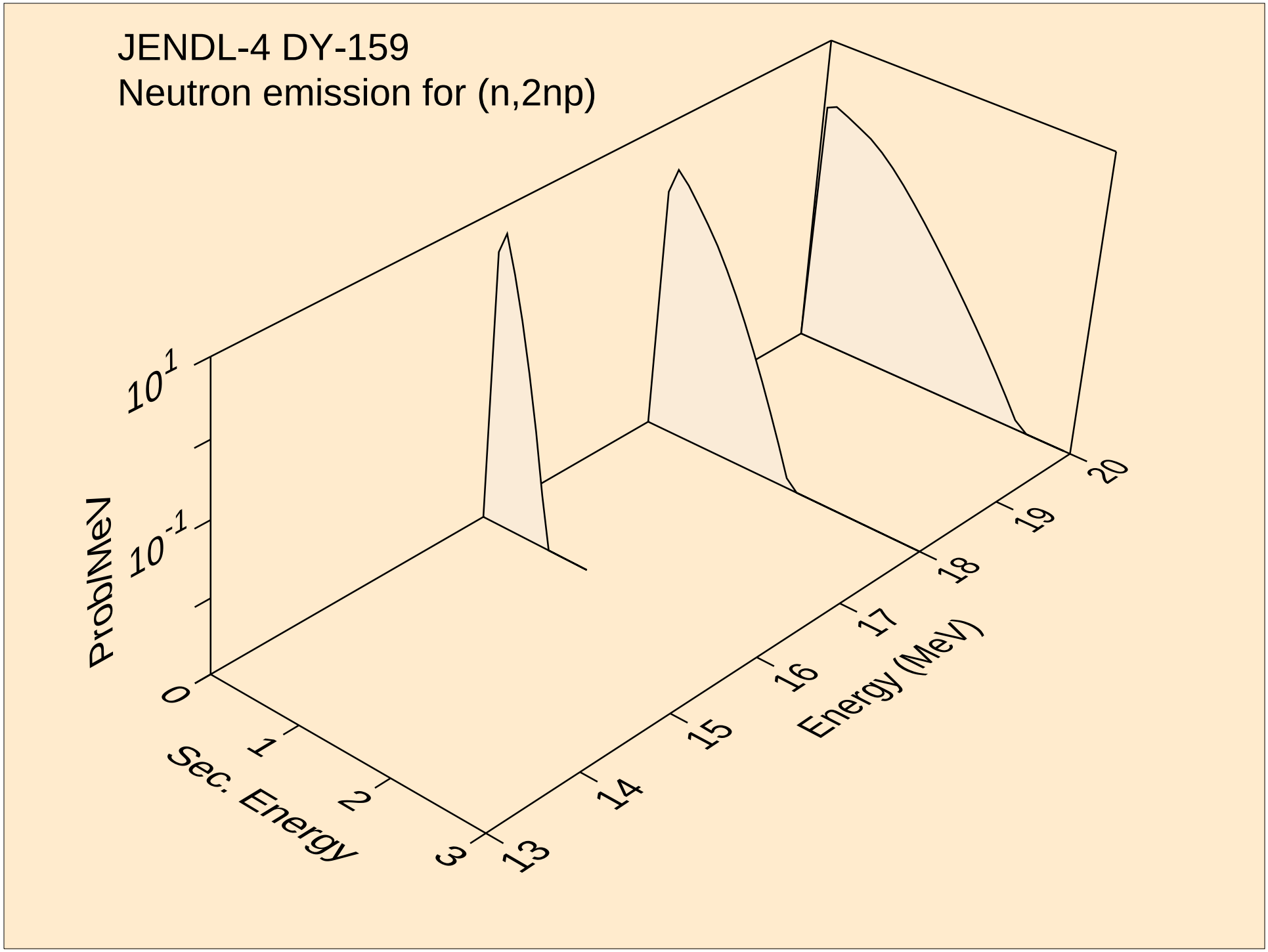

JENDL-4 DY-159
Neutron emission for (n,3n)
Prob/MeV
10-1
10-3
0
1
2
3
4
Sec. Energy
15
16
17
18
19
20
Energy (MeV)

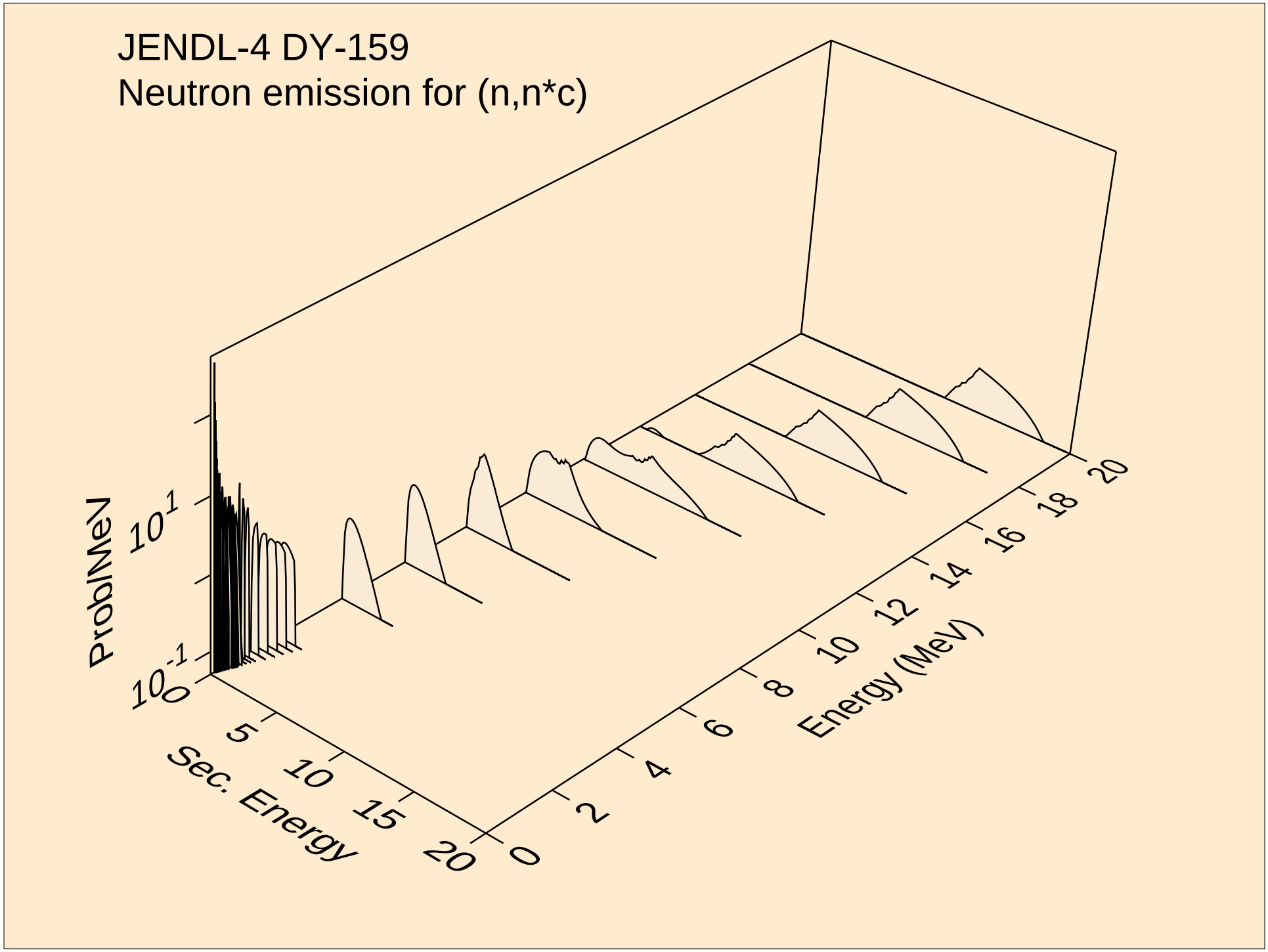

JENDL-4 DY-159
Neutron emission for (n,n*)a
Prob/MeV
10^{1}
10^{-1}
0
2
4
6
8
Sec. Energy
0
5
10
15
20
Energy (MeV)

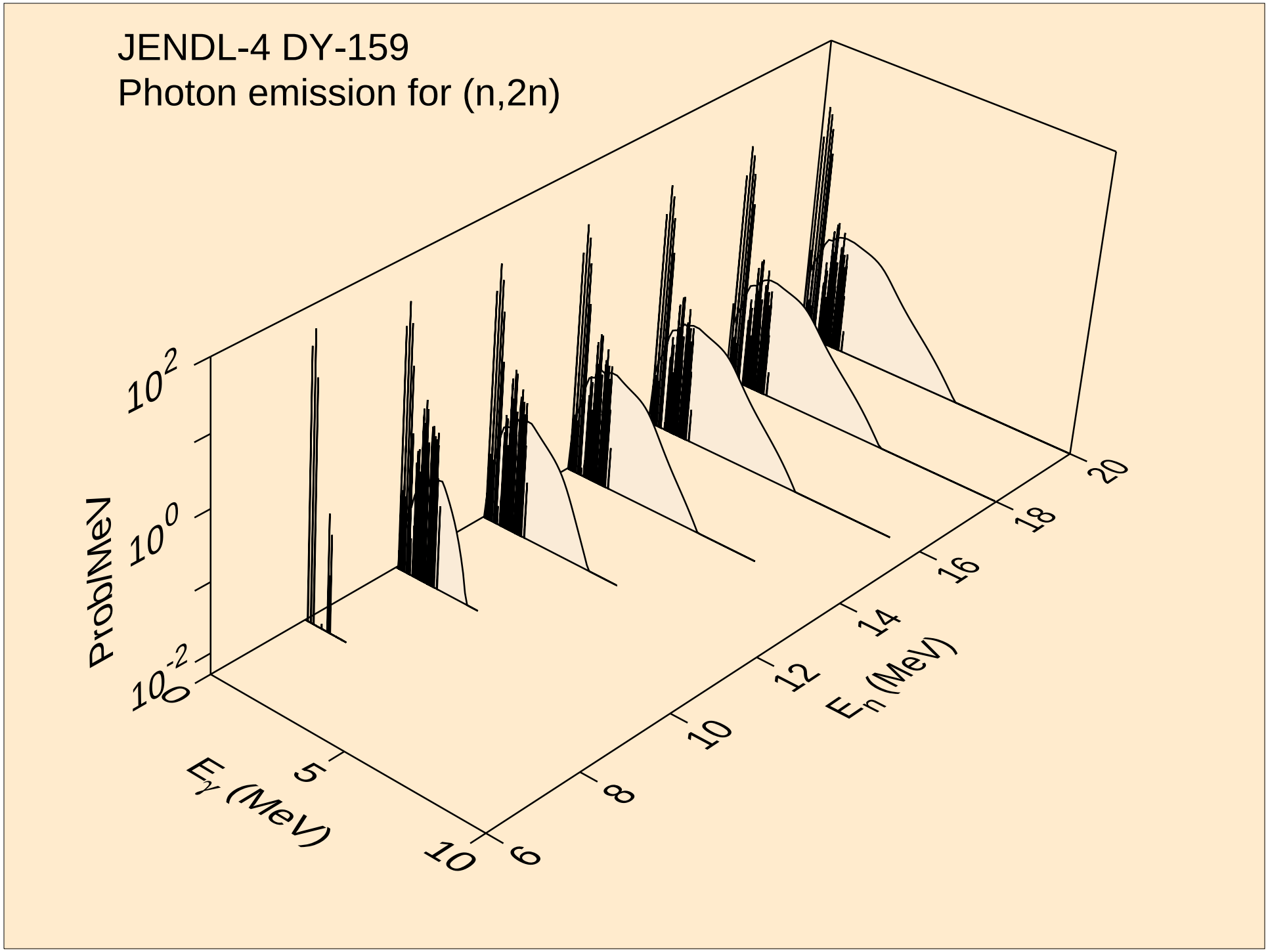

JENDL-4 DY-159
Neutron emission for (n,2n)a
Prob/MeV
10^{1}
10^{-1}
0
2
4
6
Sec. Energy
4
6
8
10
12
14
16
18
20
Energy (MeV)

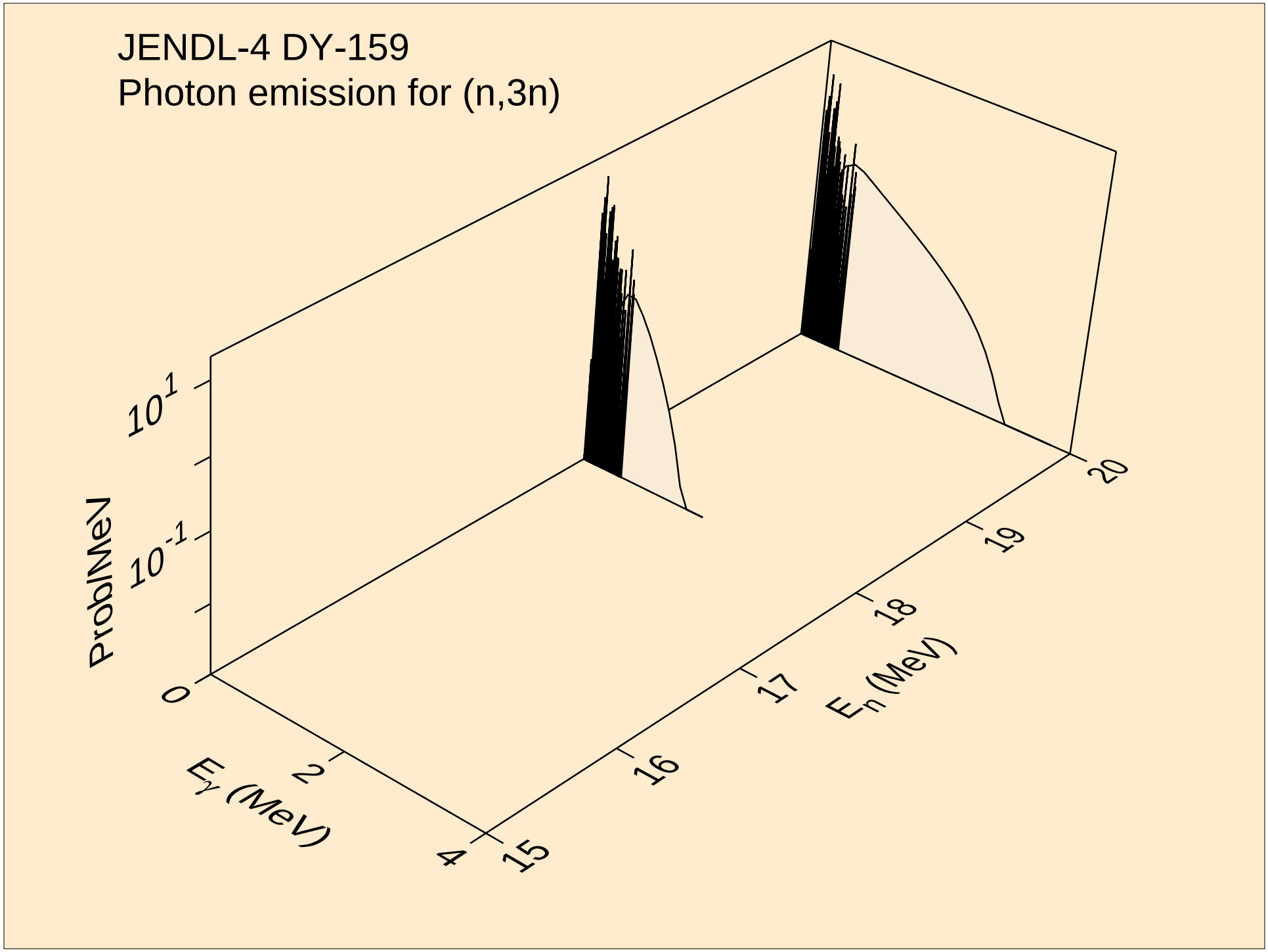

JENDL-4 DY-159
Neutron emission for (n,n*)p
Prob/MeV
10^-1
10^-3
0
2
4
6
Sec. Energy
6
8
10
12
14
16
18
20
Energy (MeV)

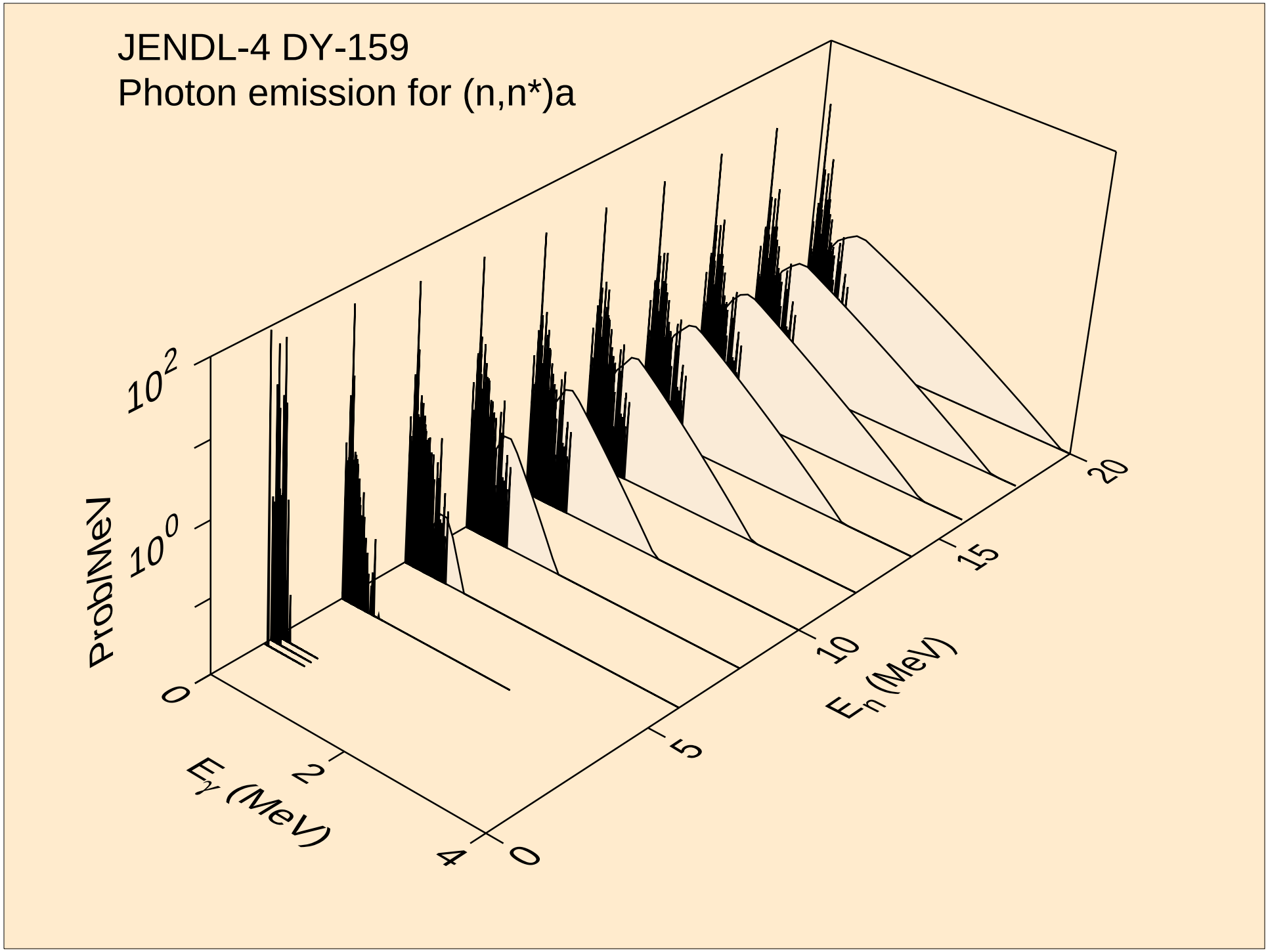

JENDL-4 DY-159
Neutron emission for (n,n*)d
Prob/MeV
10^1
10^-1
0
Sec. Energy
1
2
3
Energy (MeV)
10
12
14
16
18
20

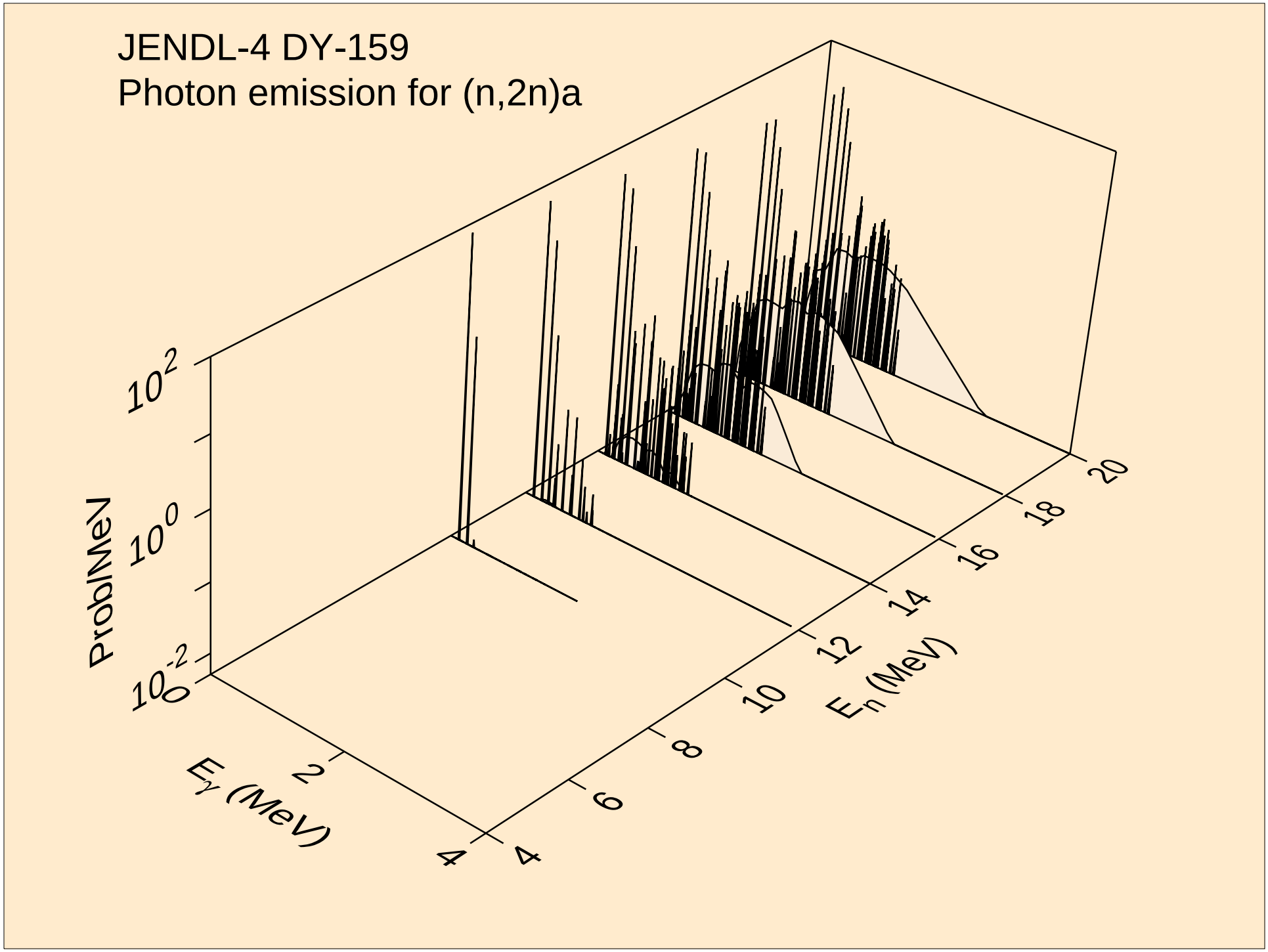

JENDL-4 DY-159
Neutron emission for (n,2np)
Prob/MeV
10^1
10^-1
0
Sec. Energy
1
2
3
Energy (MeV)
13
14
15
16
17
18
19
20

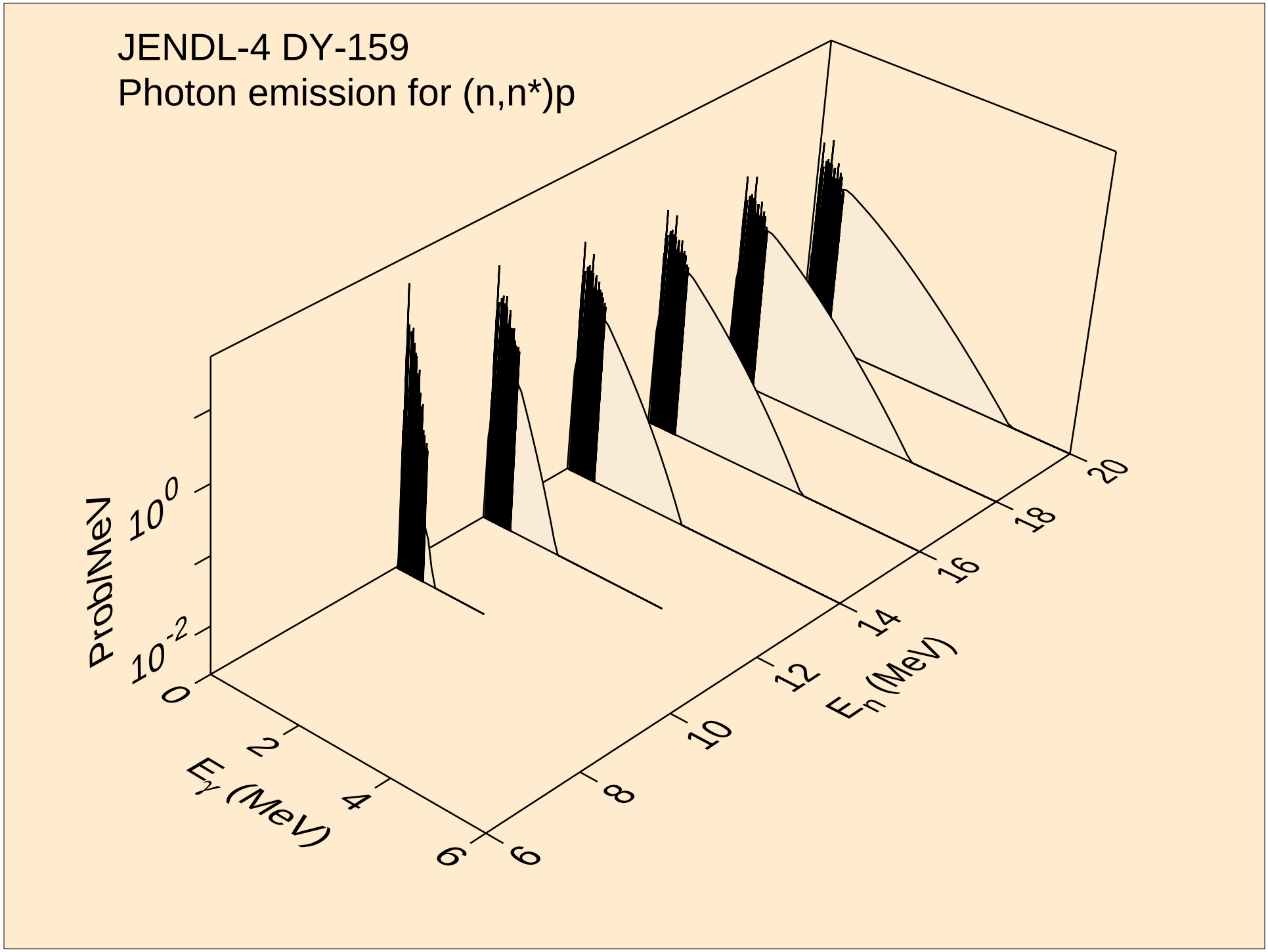

JENDL-4 DY-159
Neutron emission for (n,n*c)
Prob/MeV
10^{1}
10^{-1}
0
5
10
15
20
Sec. Energy
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

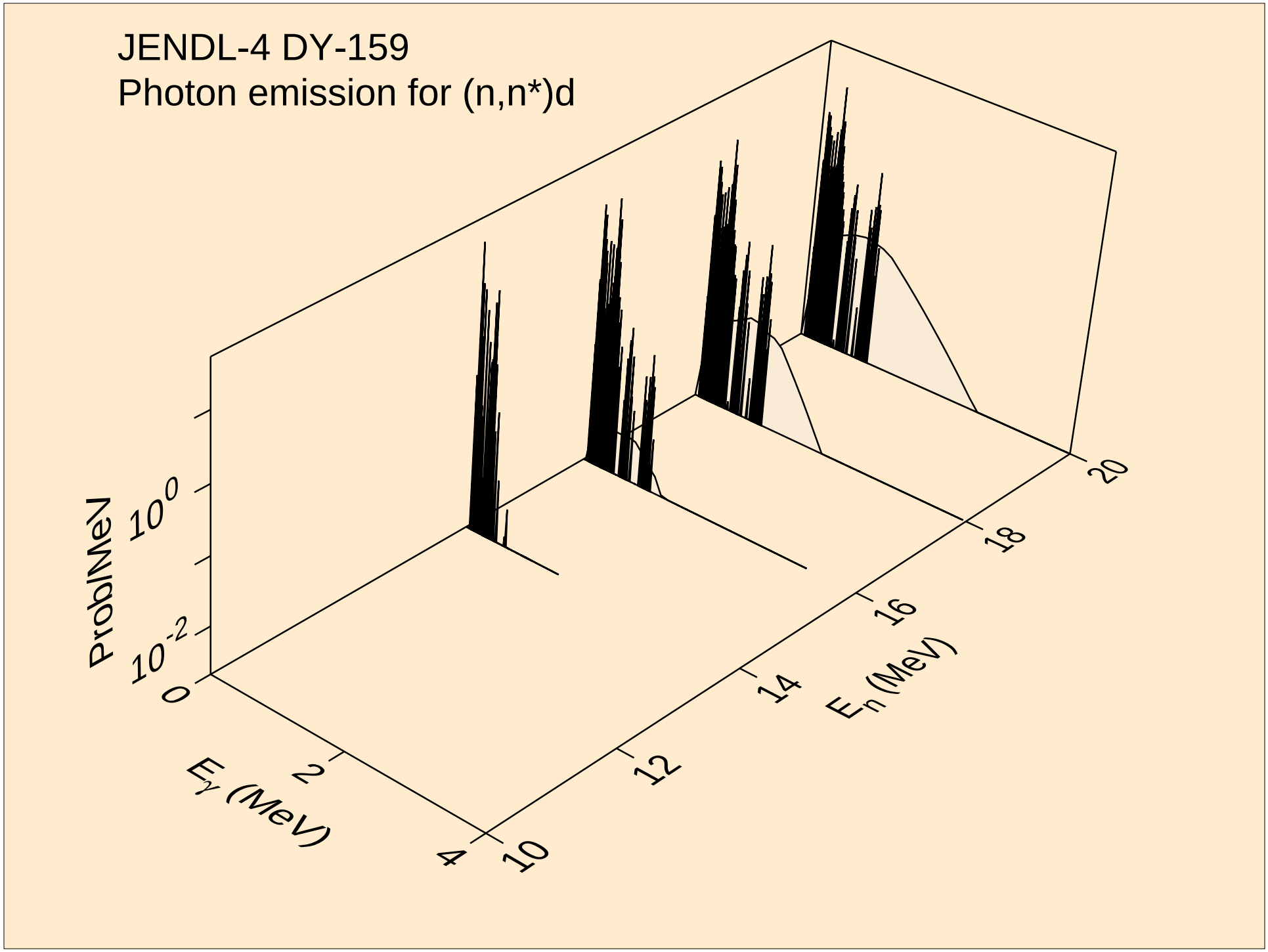

JENDL-4 DY-159
Photon emission for (n,2n)
Prob/MeV
10^{2}
10^{0}
10^{-2}
0
5
10
E_γ (MeV)
6
8
10
12
14
16
18
20
E_n (MeV)

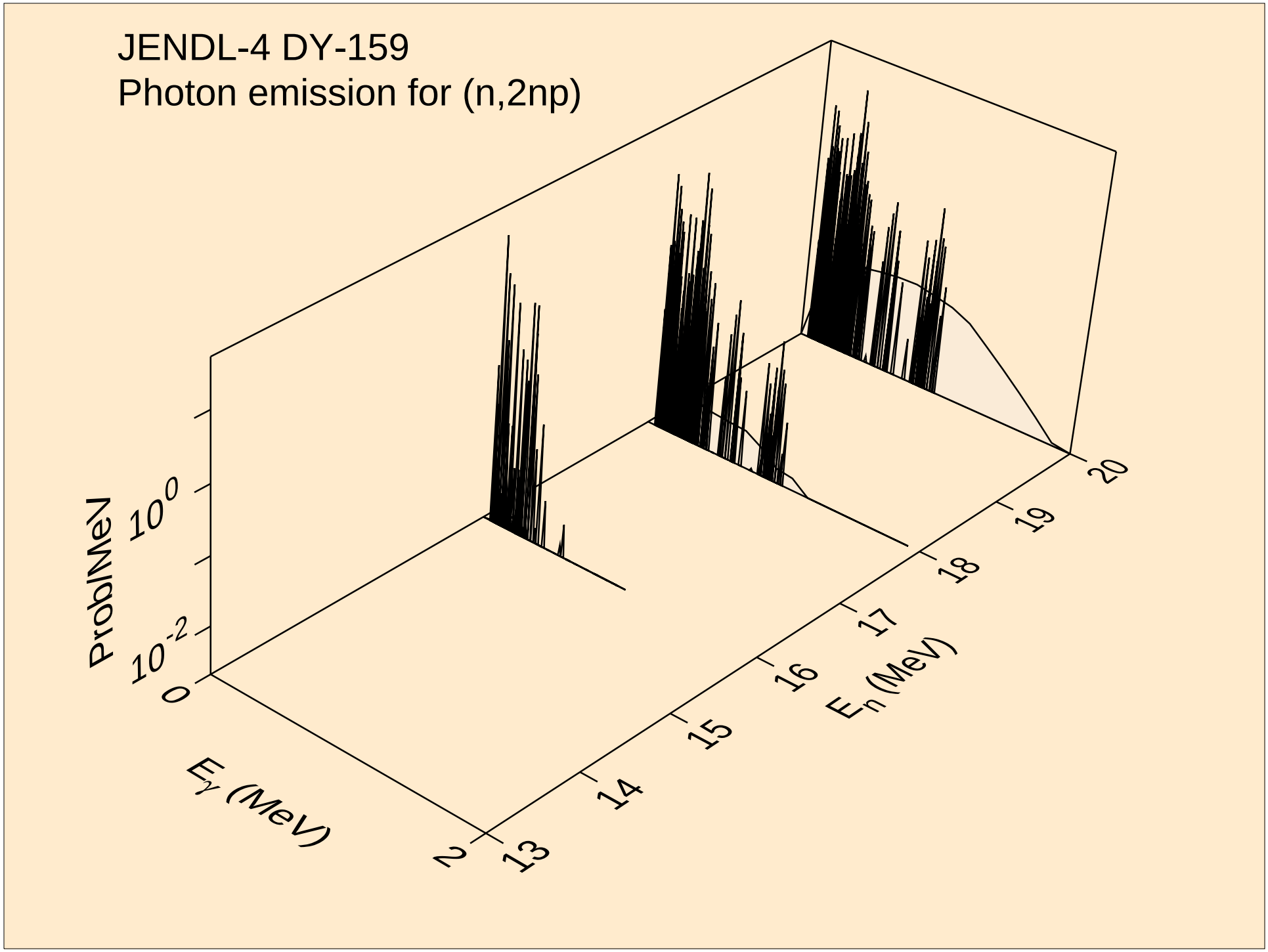

JENDL-4 DY-159
Photon emission for (n,3n)
Prob/MeV
10^{1}
10^{-1}
0
2
4
E_γ (MeV)
15
16
17
18
19
20
E_n (MeV)

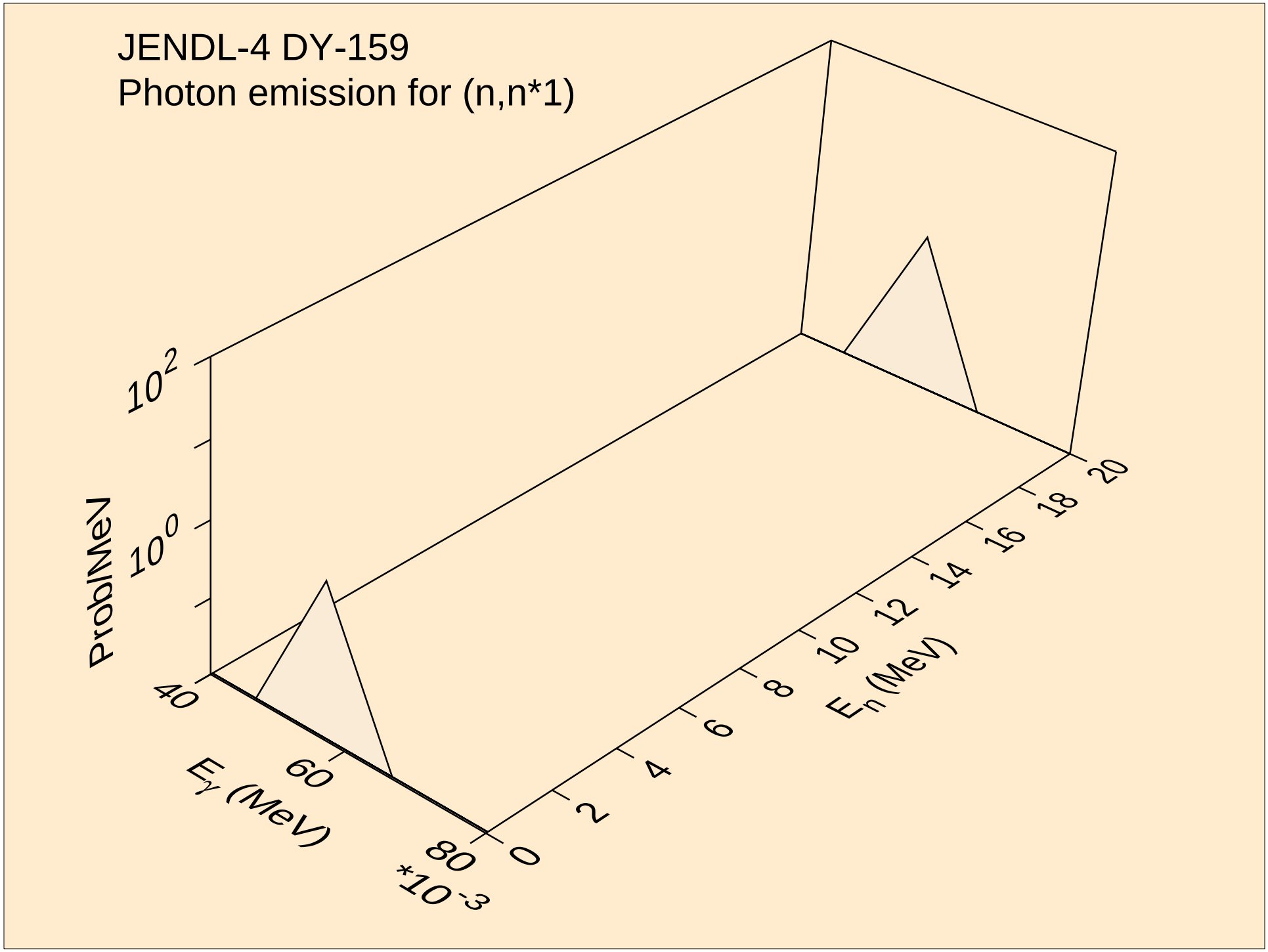

JENDL-4 DY-159
Photon emission for (n,n*)a
Prob/MeV
10^2
10^0
0
2
4
E_γ (MeV)
0
5
10
15
20
E_n (MeV)

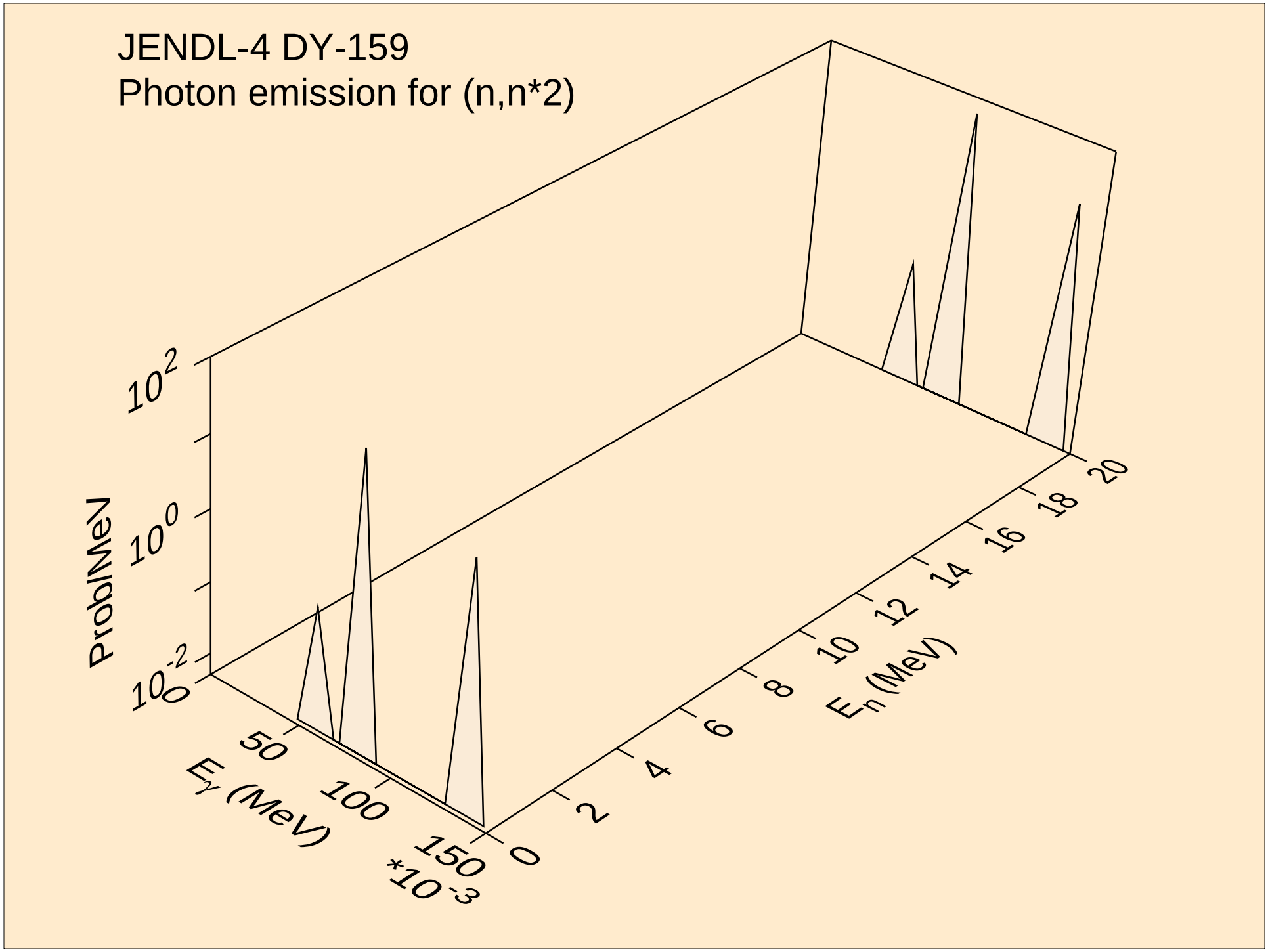

JENDL-4 DY-159
Photon emission for (n,2n)a
Prob/MeV
10^{2}
10^{0}
10^{-2}
0
2
4
E_γ (MeV)
4
6
8
10
12
14
16
18
20
E_n (MeV)

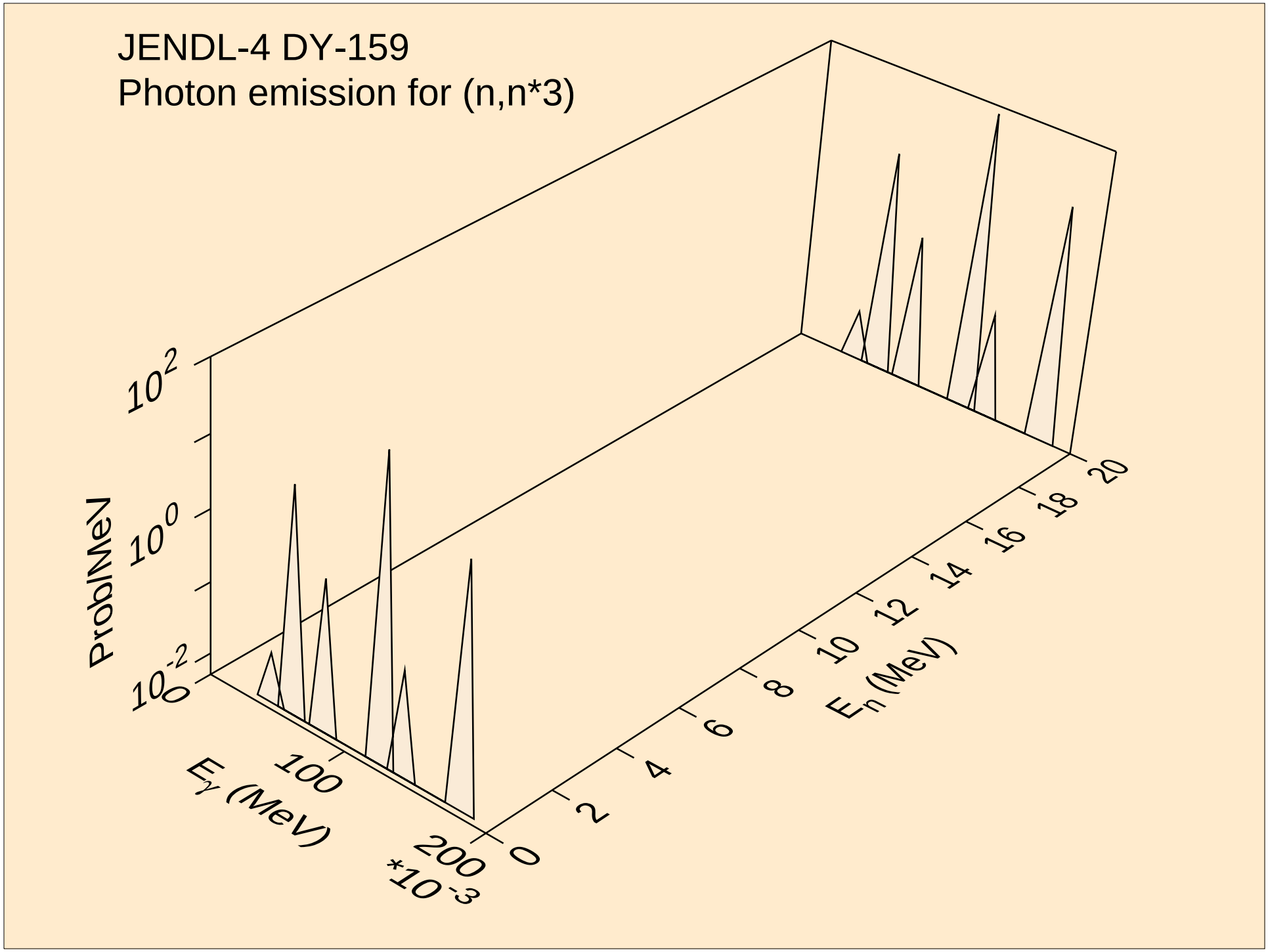

JENDL-4 DY-159
Photon emission for (n,n*)p
Prob/MeV
10^0
10^{-2}
0
2
4
6
E_γ (MeV)
6
8
10
12
14
16
18
20
E_n (MeV)

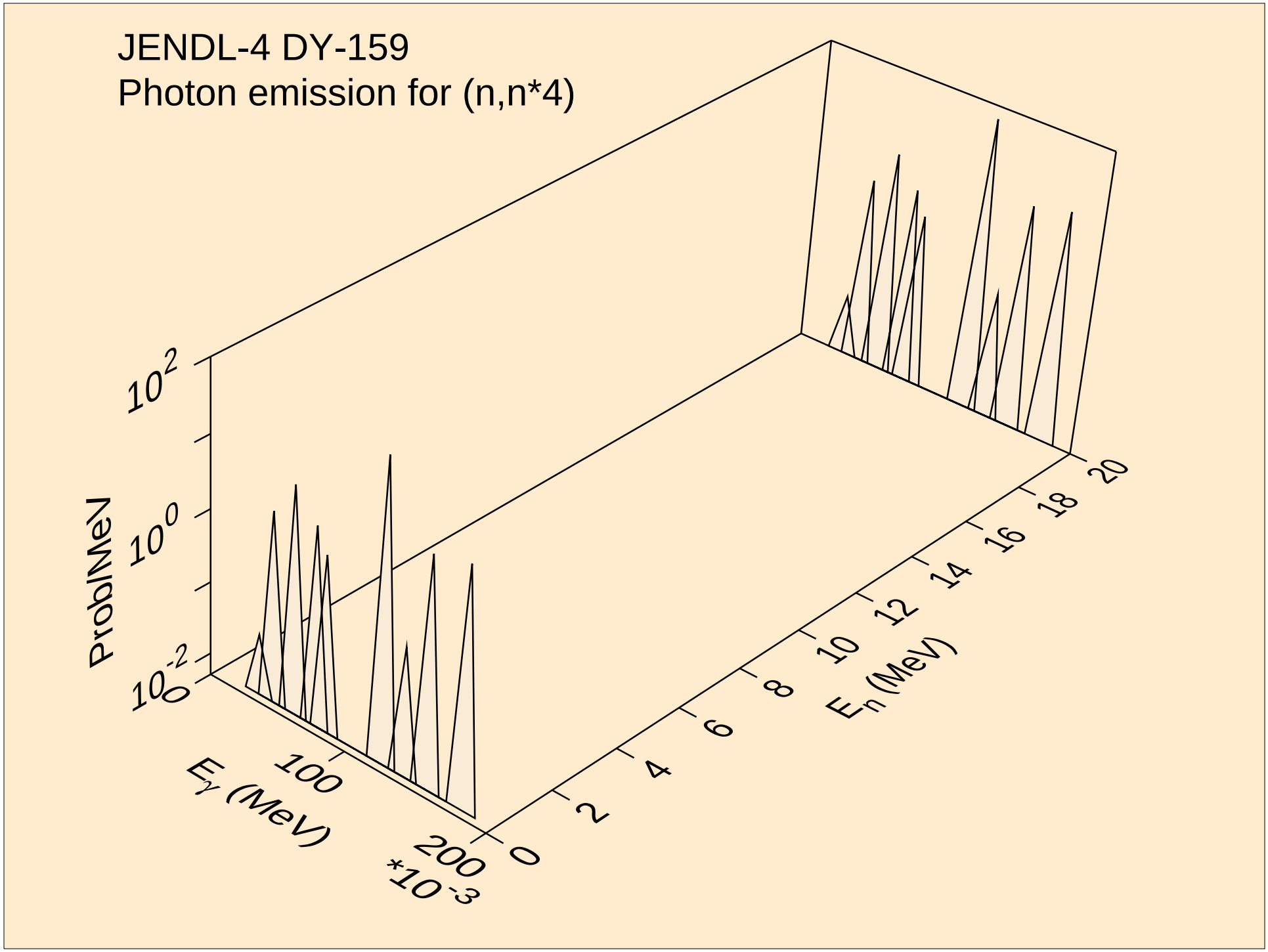

JENDL-4 DY-159
Photon emission for (n,n*)d
Prob/MeV
10^0
10^{-2}
0
2
4
E_γ (MeV)
10
12
14
16
18
20
E_n (MeV)

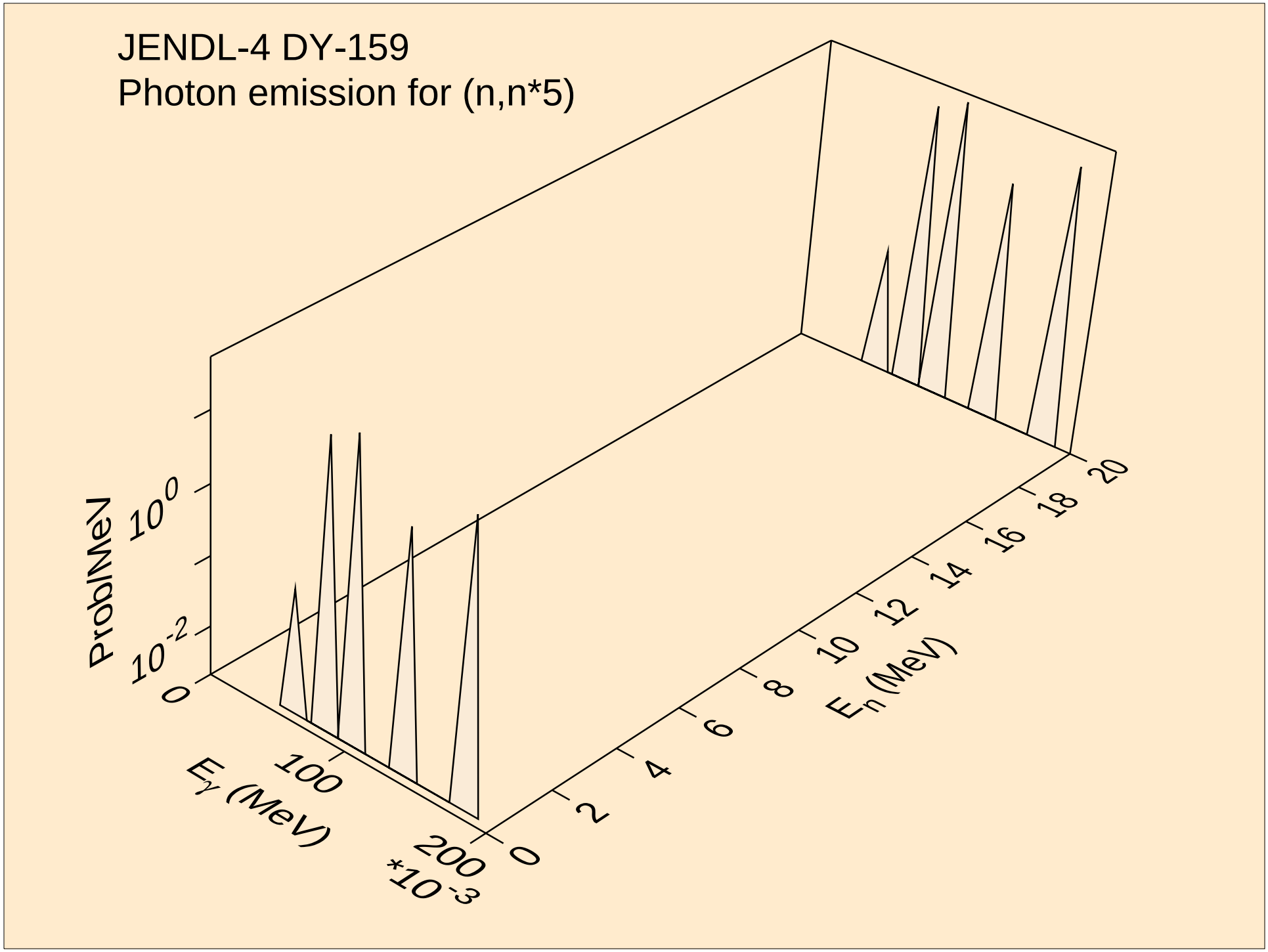

JENDL-4 DY-159
Photon emission for (n,2np)
Prob/MeV
10^0
10^{-2}
0
E_γ (MeV)
2
E_n (MeV)
13
14
15
16
17
18
19
20

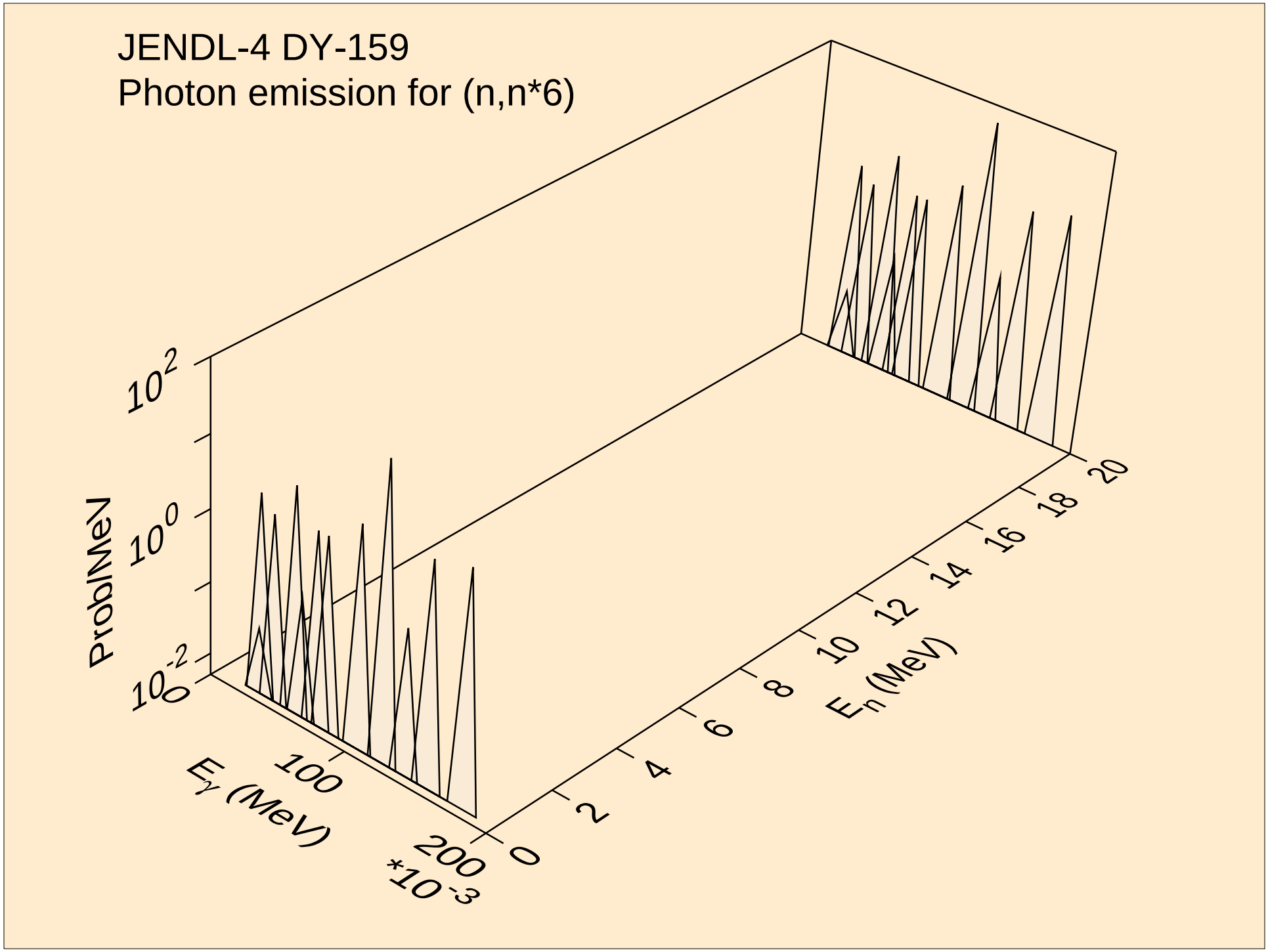

JENDL-4 DY-159
Photon emission for (n,n*1)
Prob/MeV
10^2
10^0
40
60
80
E_γ (MeV)
*10 -3
0
2
4
6
8
10
12
14
16
18
20
E_n (MeV)

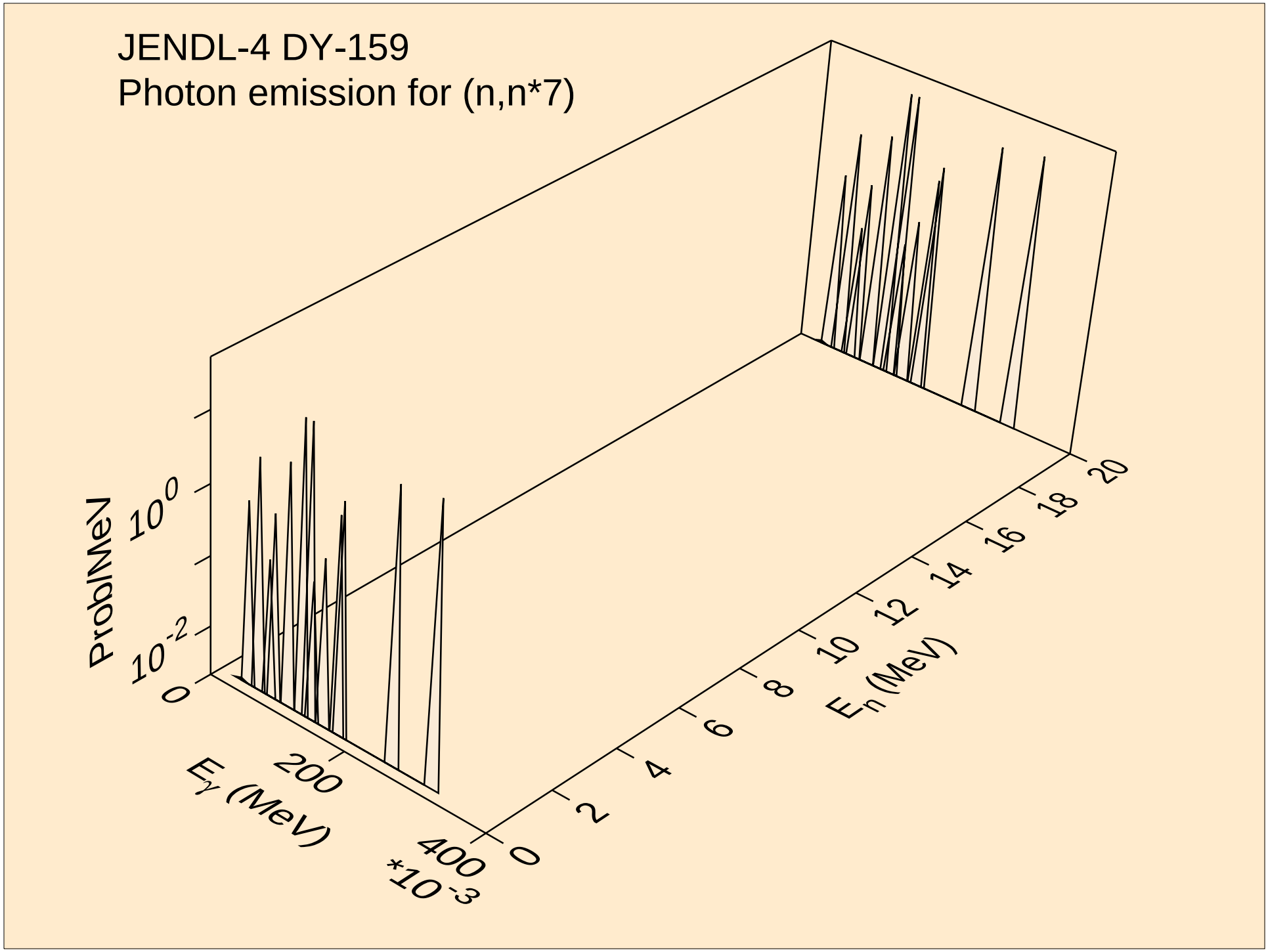

JENDL-4 DY-159
Photon emission for (n,n*2)
Prob/MeV
10^{2}
10^{0}
10^{-2}
0
50
100
150
E_γ (MeV)
*10^{-3}
0
2
4
6
8
10
12
14
16
18
20
E_n (MeV)

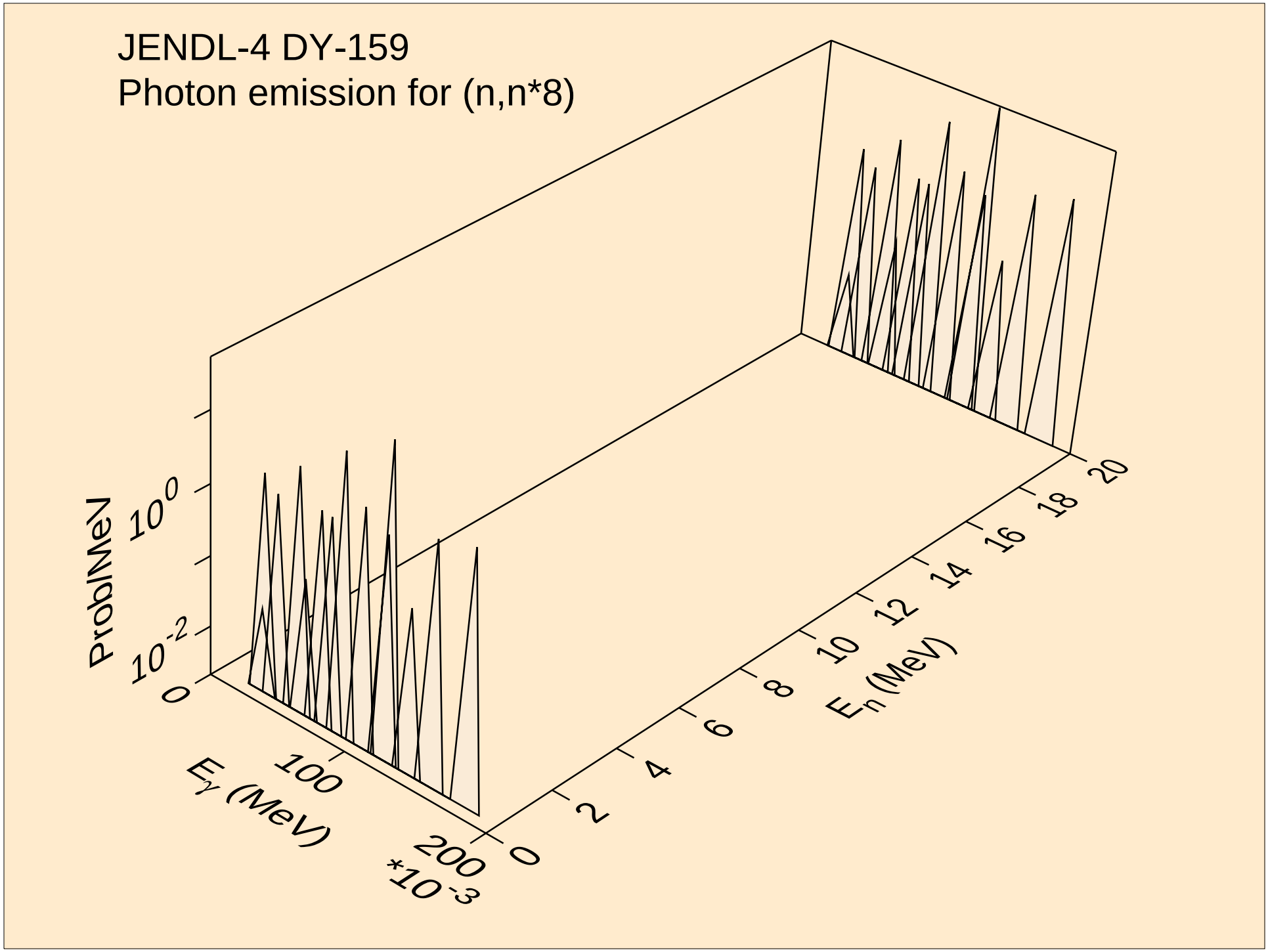

JENDL-4 DY-159
Photon emission for (n,n*3)
Prob/MeV
10^{2}
10^{0}
10^{-2}
E_γ (MeV)
0
100
200
*10^{-3}
E_n (MeV)
0
2
4
6
8
10
12
14
16
18
20

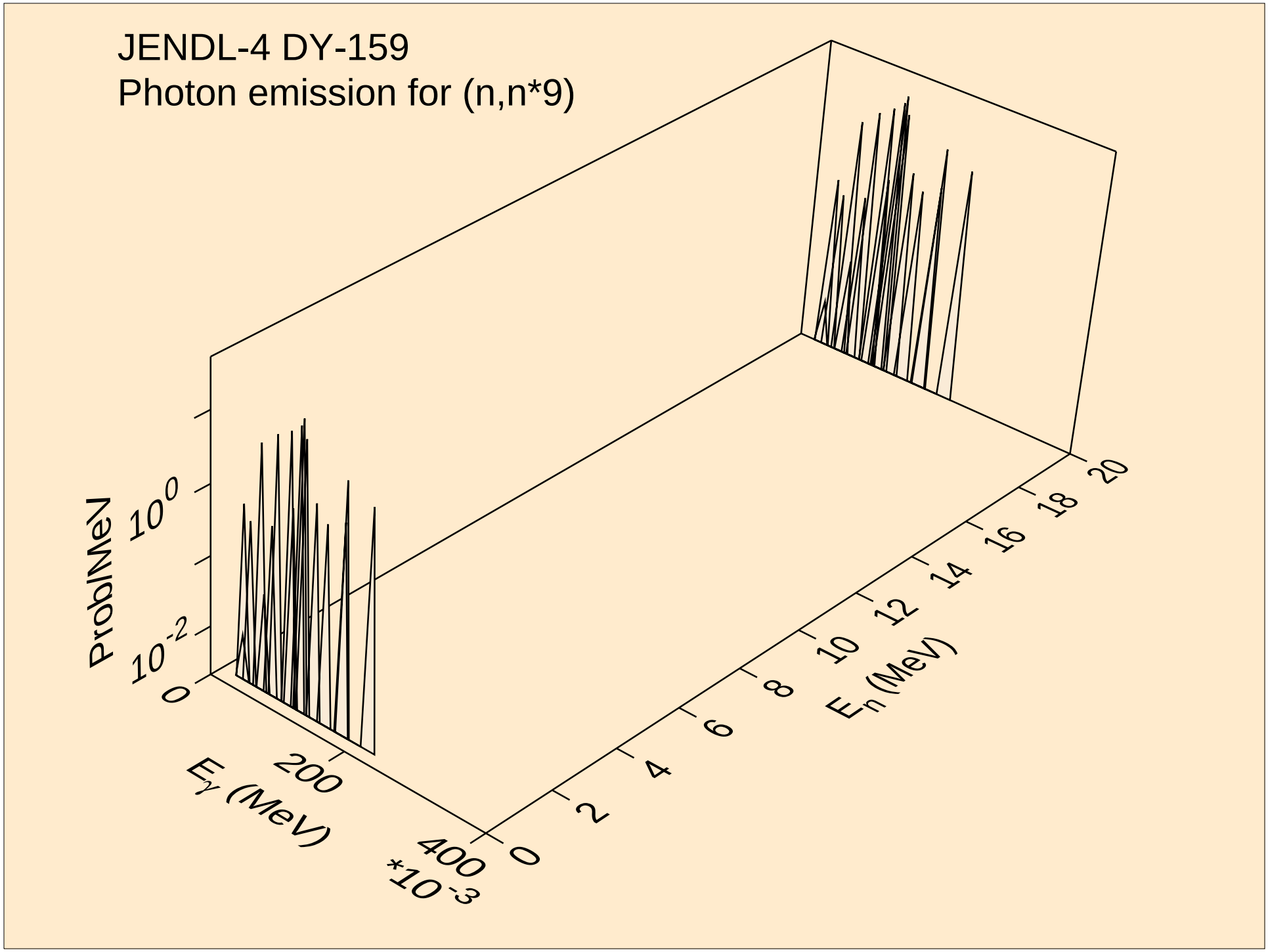

JENDL-4 DY-159
Photon emission for (n,n*4)
Prob/MeV
10^{2}
10^{0}
10^{-2}
E_γ (MeV)
0
100
200
*10 -3
E_n (MeV)
0
2
4
6
8
10
12
14
16
18
20

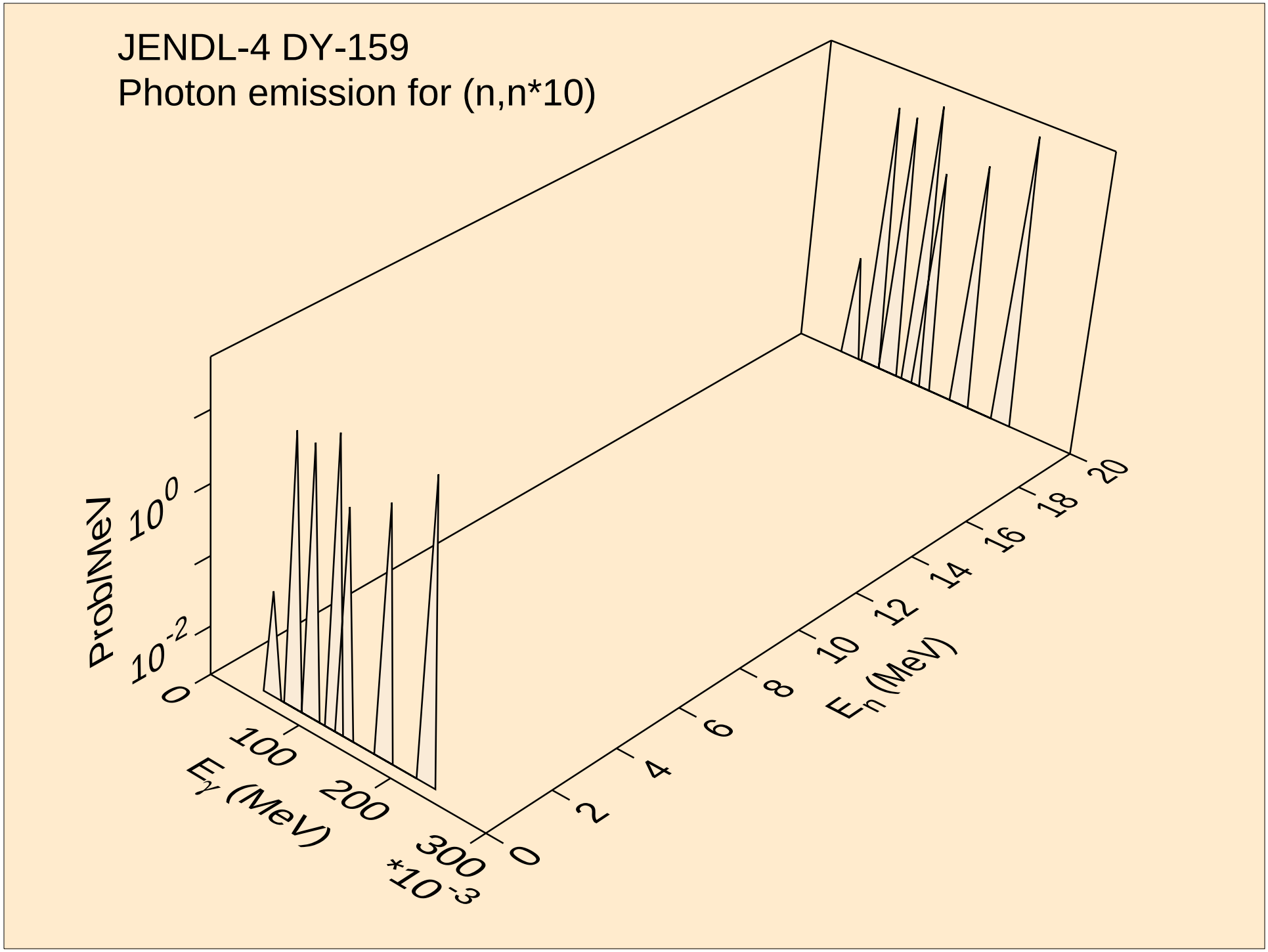

JENDL-4 DY-159
Photon emission for (n,n*5)
Prob/MeV
10^0
10^{-2}
0
100
200
E_γ (MeV)
$*10^{-3}$
0
2
4
6
8
10
12
14
16
18
20
E_n (MeV)

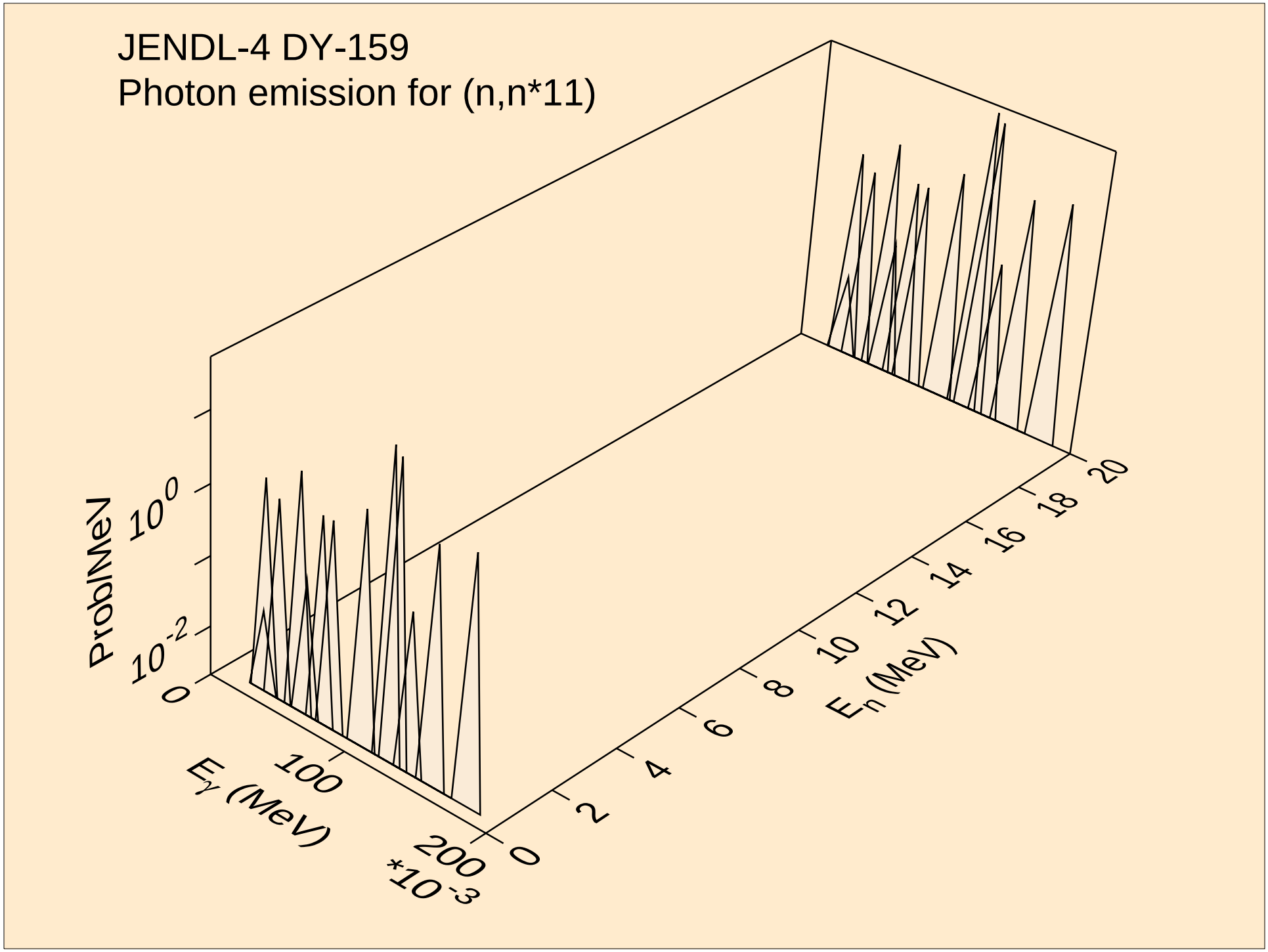

JENDL-4 DY-159
Photon emission for (n,n*6)
Prob/MeV
10^{2}
10^{0}
10^{-2}
E_γ (MeV)
0
100
200
*10 -3
E_n (MeV)
0
2
4
6
8
10
12
14
16
18
20

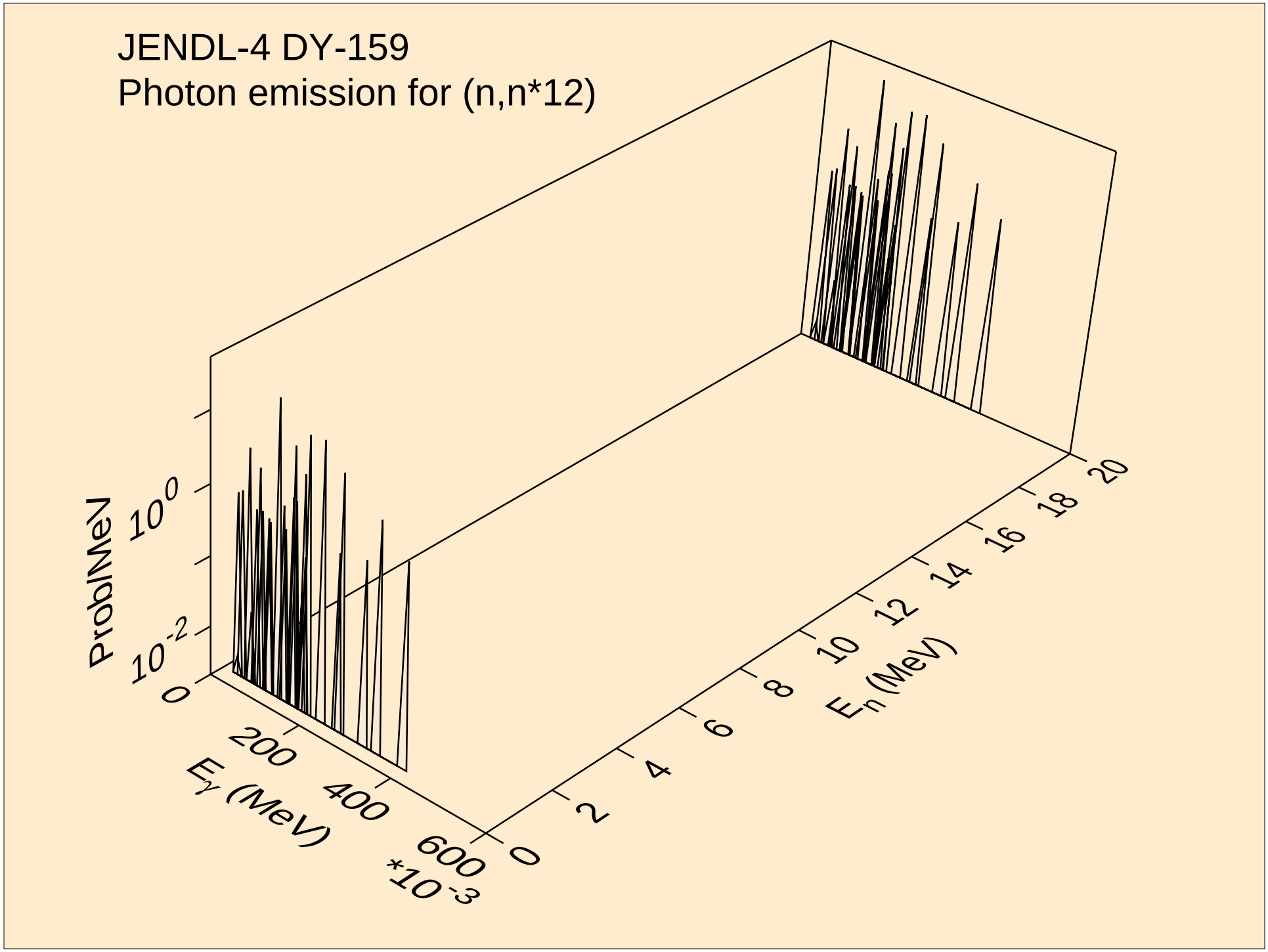

JENDL-4 DY-159
Photon emission for (n,n*7)
Prob/MeV
10^0
10^{-2}
0
200
400
E_γ (MeV)
$*10^{-3}$
0
2
4
6
8
10
12
14
16
18
20
E_n (MeV)

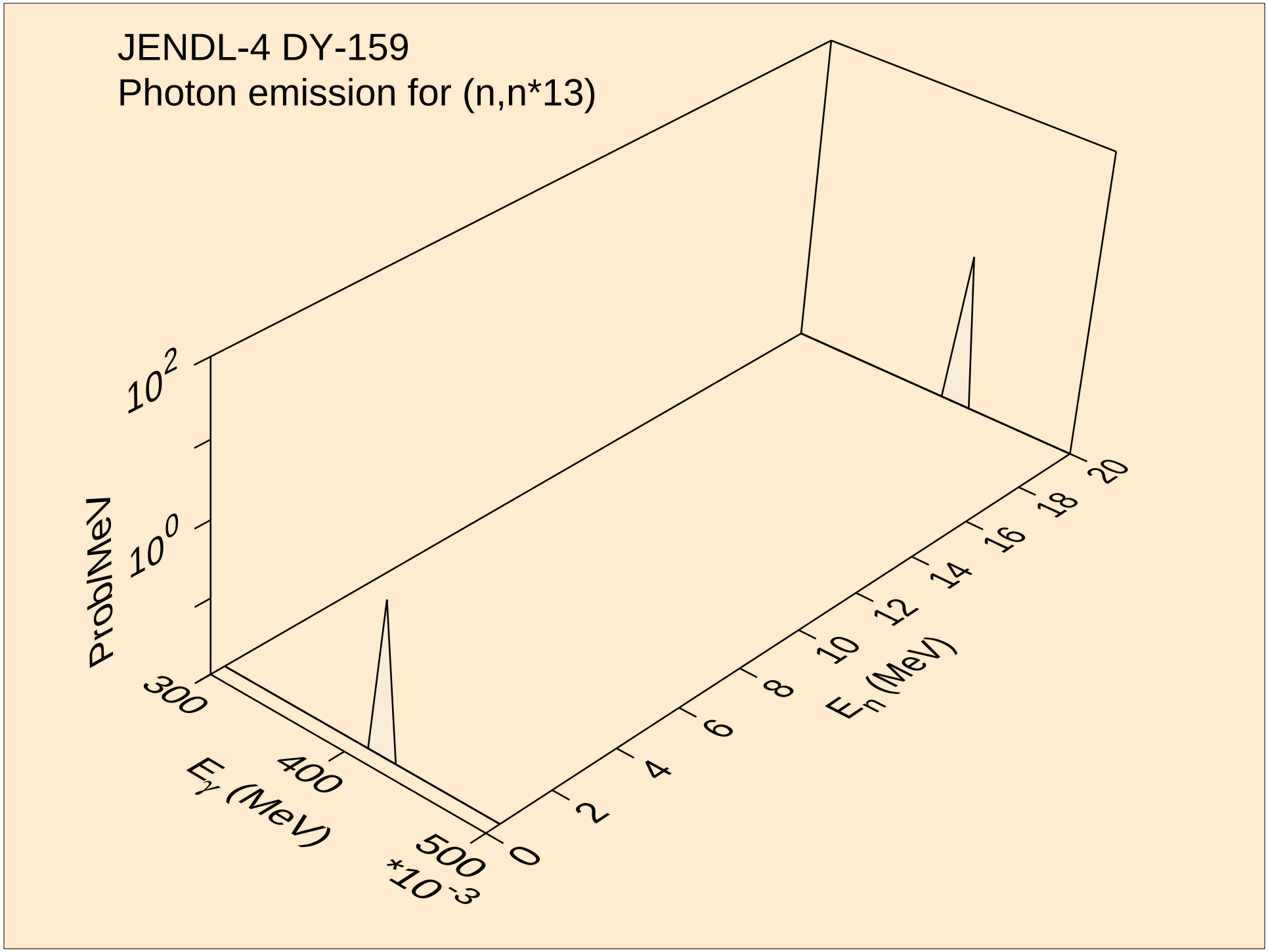

JENDL-4 DY-159
Photon emission for (n,n*8)
Prob/MeV
10^0
10^{-2}
0
100
200
E_γ (MeV)
$*10^{-3}$
0
2
4
6
8
10
12
14
16
18
20
E_n (MeV)

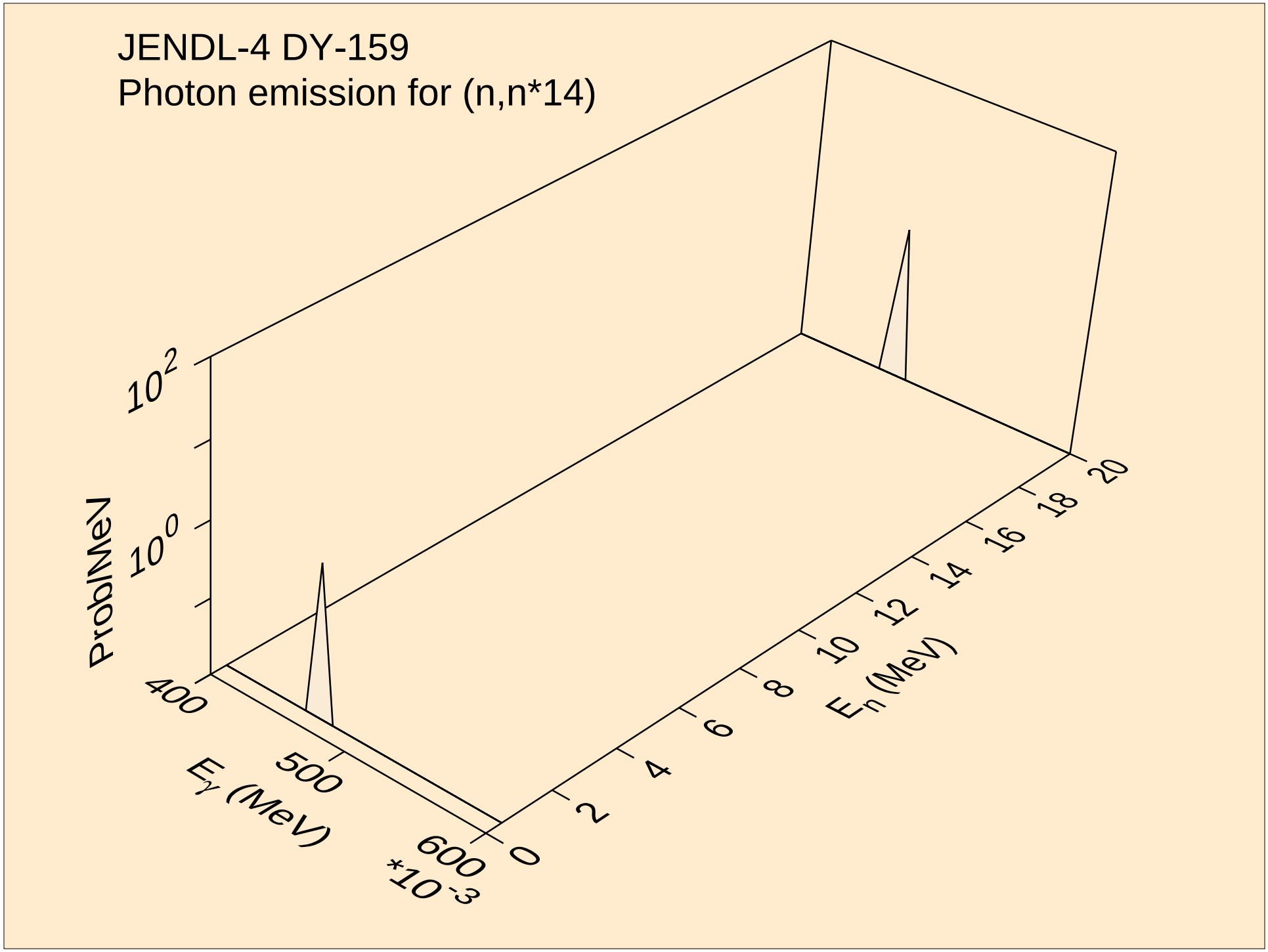

JENDL-4 DY-159
Photon emission for (n,n*9)
Prob/MeV
10^{0}
10^{-2}
0
200
400
E_γ (MeV)
$*10^{-3}$
0
2
4
6
8
10
12
14
16
18
20
E_n (MeV)

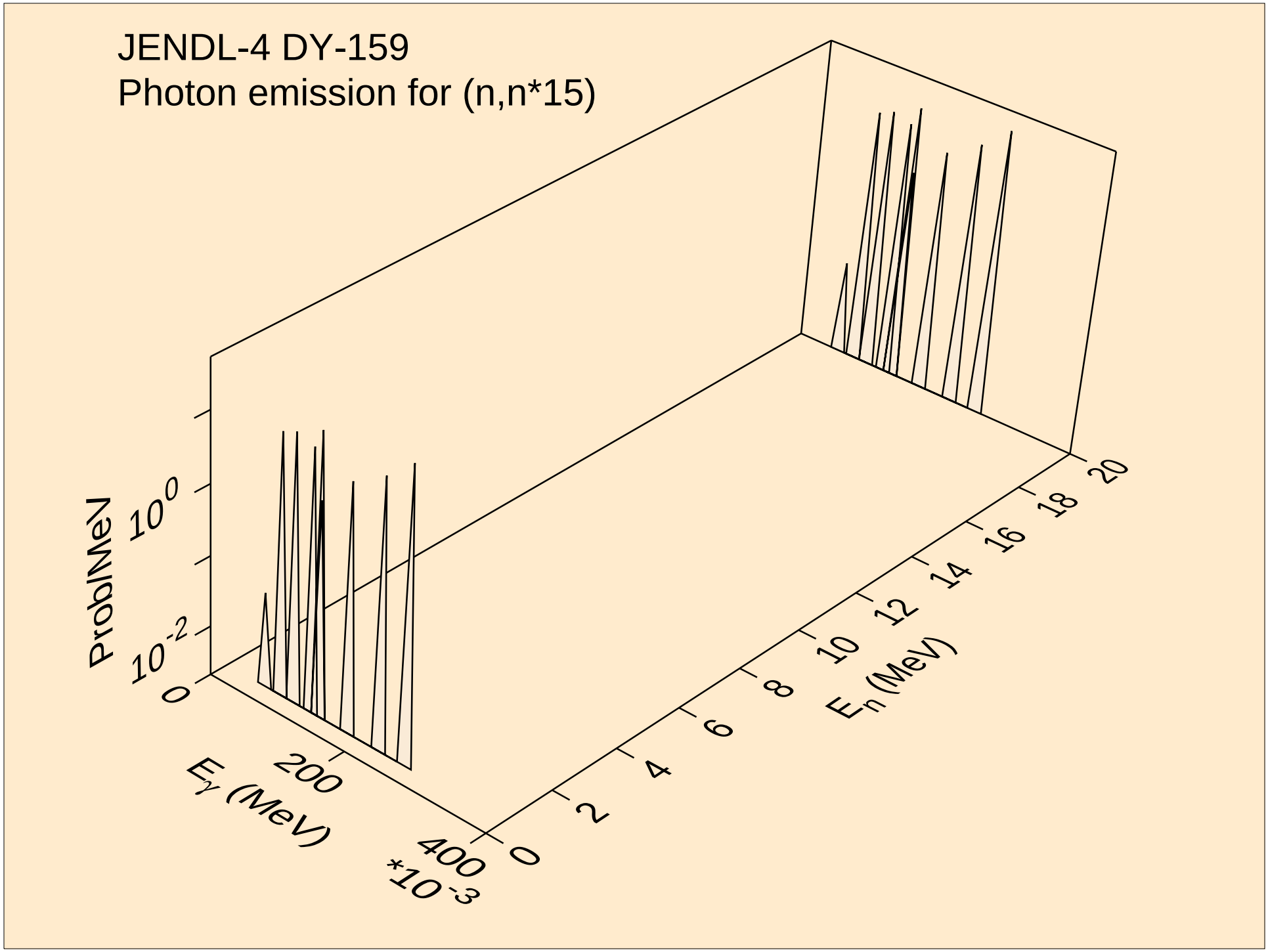

JENDL-4 DY-159
Photon emission for (n,n*10)
Prob/MeV
10^0
10^{-2}
0
100
200
300
E_γ (MeV)
$*10^{-3}$
0
2
4
6
8
10
12
14
16
18
20
E_n (MeV)

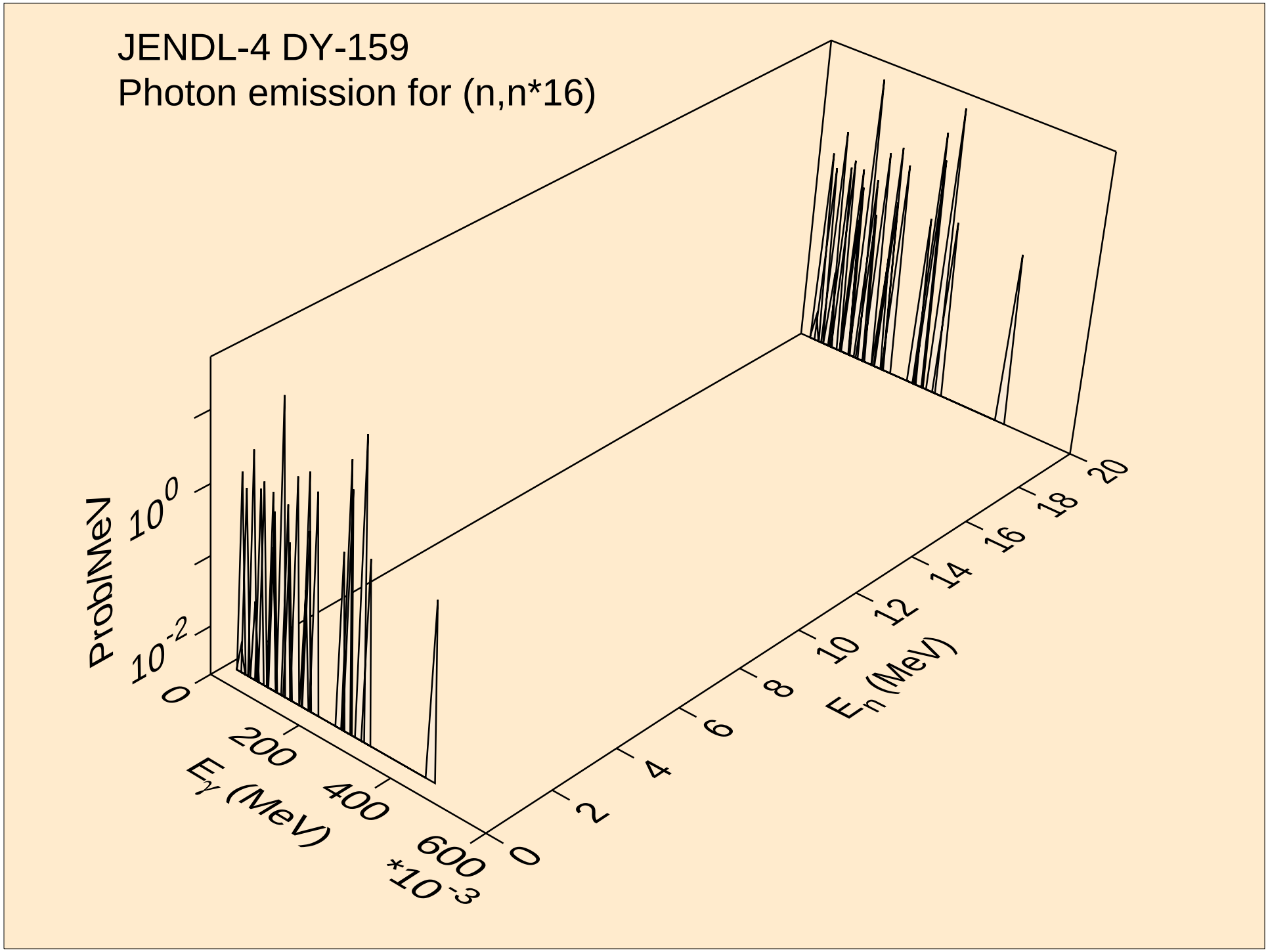

JENDL-4 DY-159
Photon emission for (n,n*11)
Prob/MeV
10^0
10^{-2}
0
100
200
E_γ (MeV)
$*10^{-3}$
0
2
4
6
8
10
12
14
16
18
20
E_n (MeV)

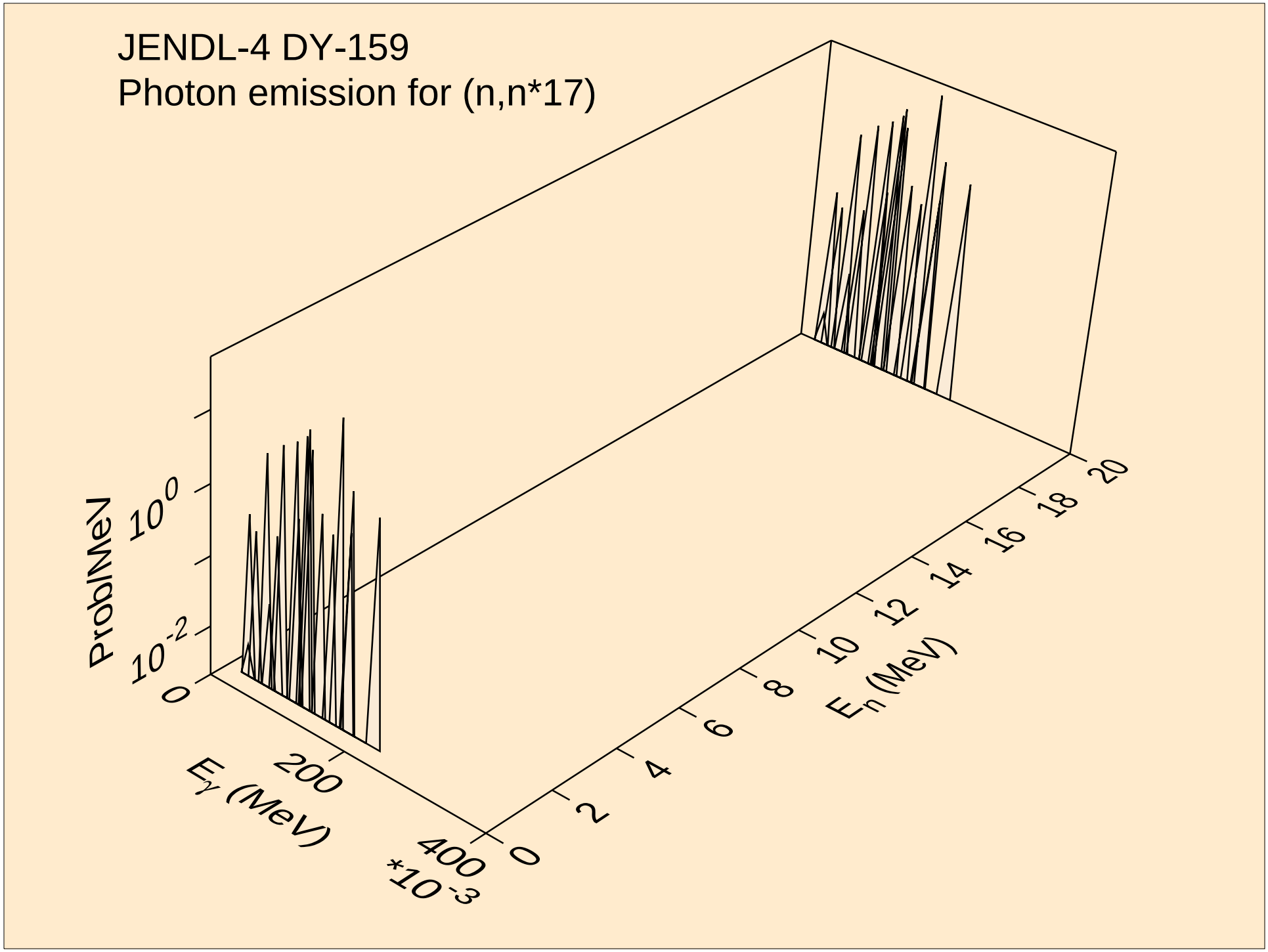

JENDL-4 DY-159
Photon emission for (n,n*12)
Prob/MeV
10^0
10^{-2}
0
200
400
600
E_γ (MeV)
$*10^{-3}$
0
2
4
6
8
10
12
14
16
18
20
E_n (MeV)

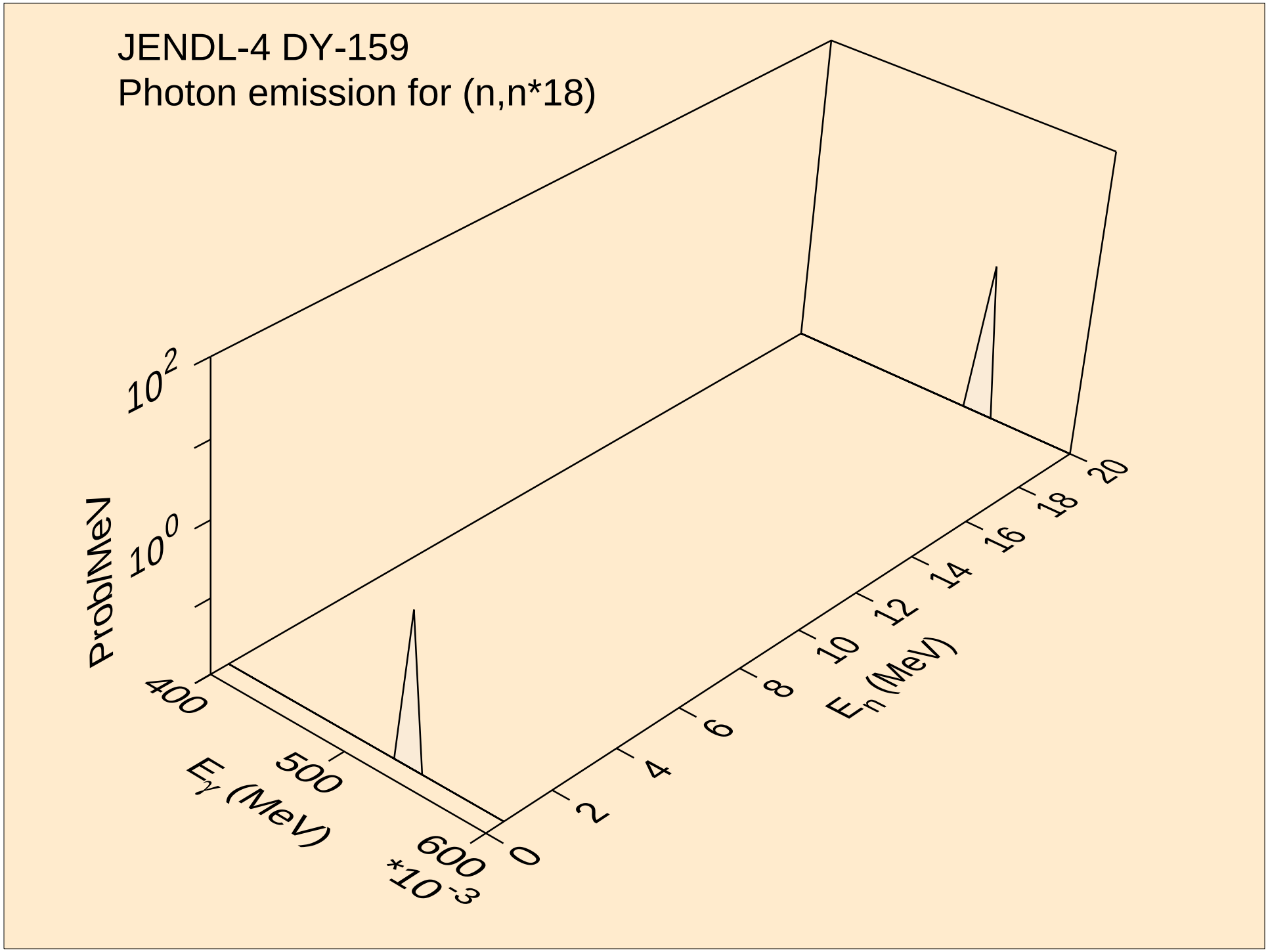

JENDL-4 DY-159
Photon emission for (n,n*13)
Prob/MeV
10^2
10^0
300
400
500
E_γ (MeV)
$*10^{-3}$
0
2
4
6
8
10
12
14
16
18
20
E_n (MeV)

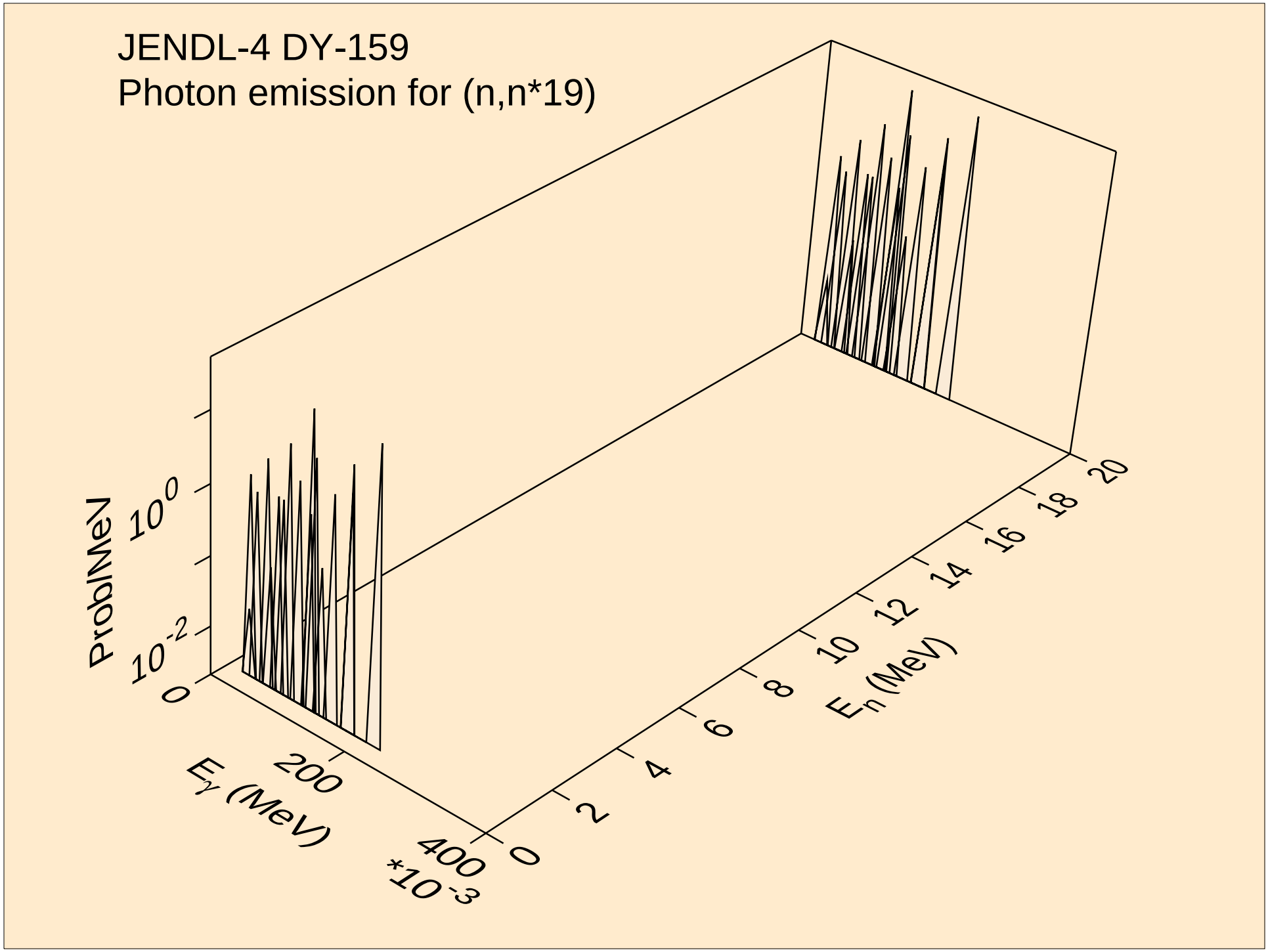

JENDL-4 DY-159
Photon emission for (n,n*14)
Prob/MeV
10^2
10^0
400
500
600
E_γ (MeV)
$*10^{-3}$
0
2
4
6
8
10
12
14
16
18
20
E_n (MeV)

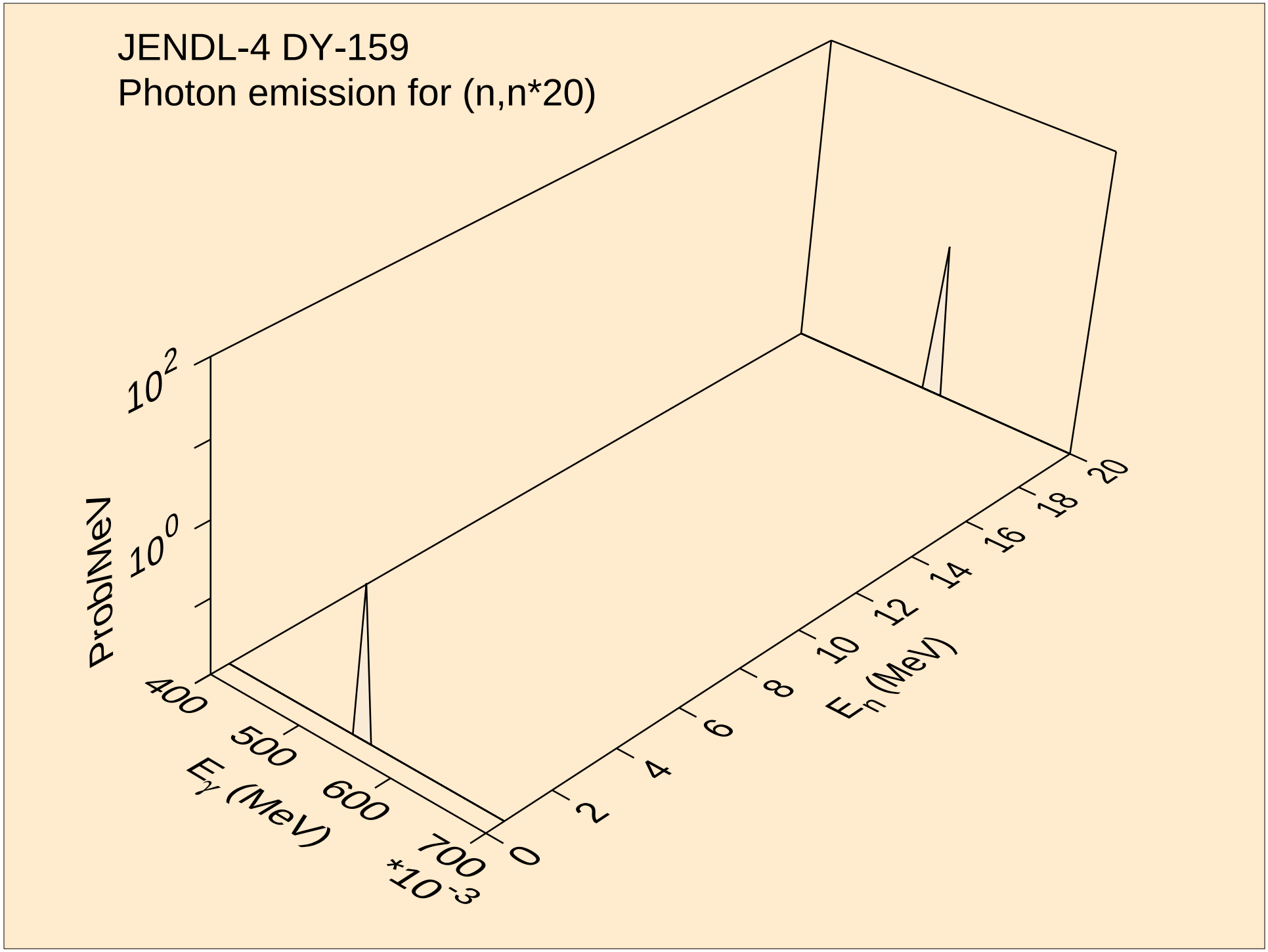

JENDL-4 DY-159
Photon emission for (n,n*15)
Prob/MeV
10^0
10^{-2}
0
200
400
E_γ (MeV)
$*10^{-3}$
0
2
4
6
8
10
12
14
16
18
20
E_n (MeV)

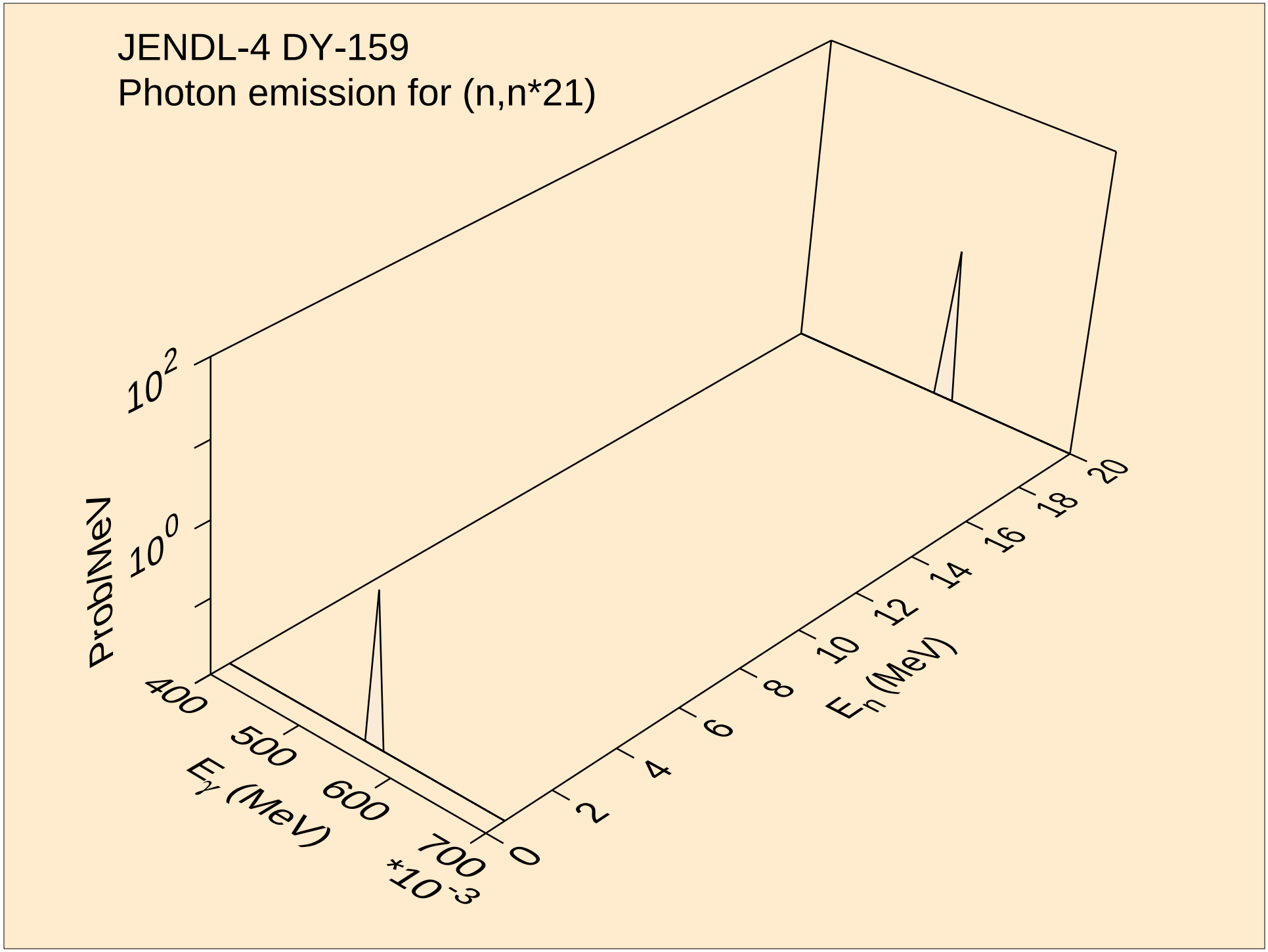

JENDL-4 DY-159
Photon emission for (n,n*16)
Prob/MeV
10^0
10^{-2}
0
200
400
600
E_γ (MeV)
$*10^{-3}$
0
2
4
6
8
10
12
14
16
18
20
E_n (MeV)

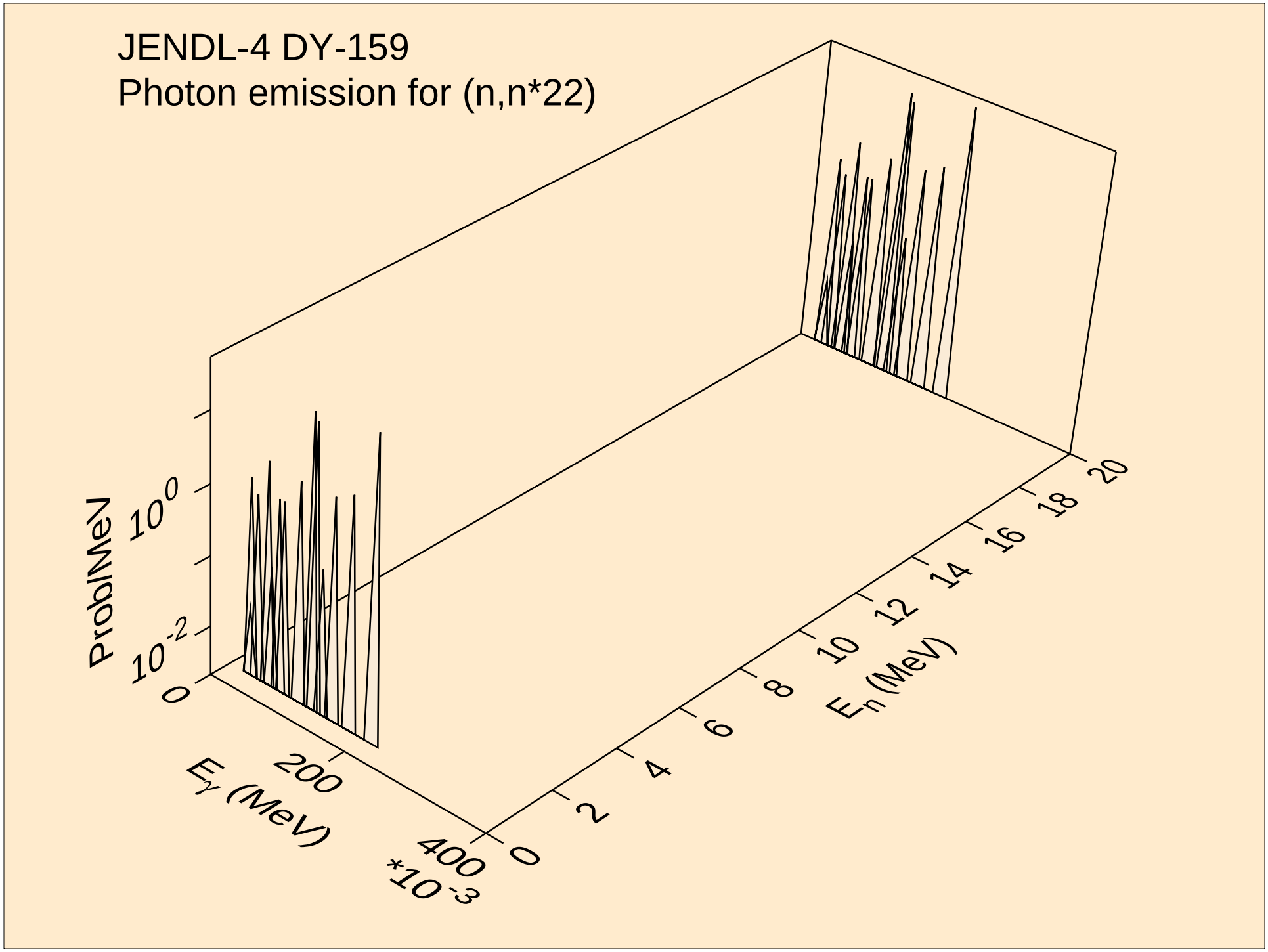

JENDL-4 DY-159
Photon emission for (n,n*17)
Prob/MeV
10^0
10^{-2}
0
200
400
E_γ (MeV)
$*10^{-3}$
0
2
4
6
8
10
12
14
16
18
20
E_n (MeV)

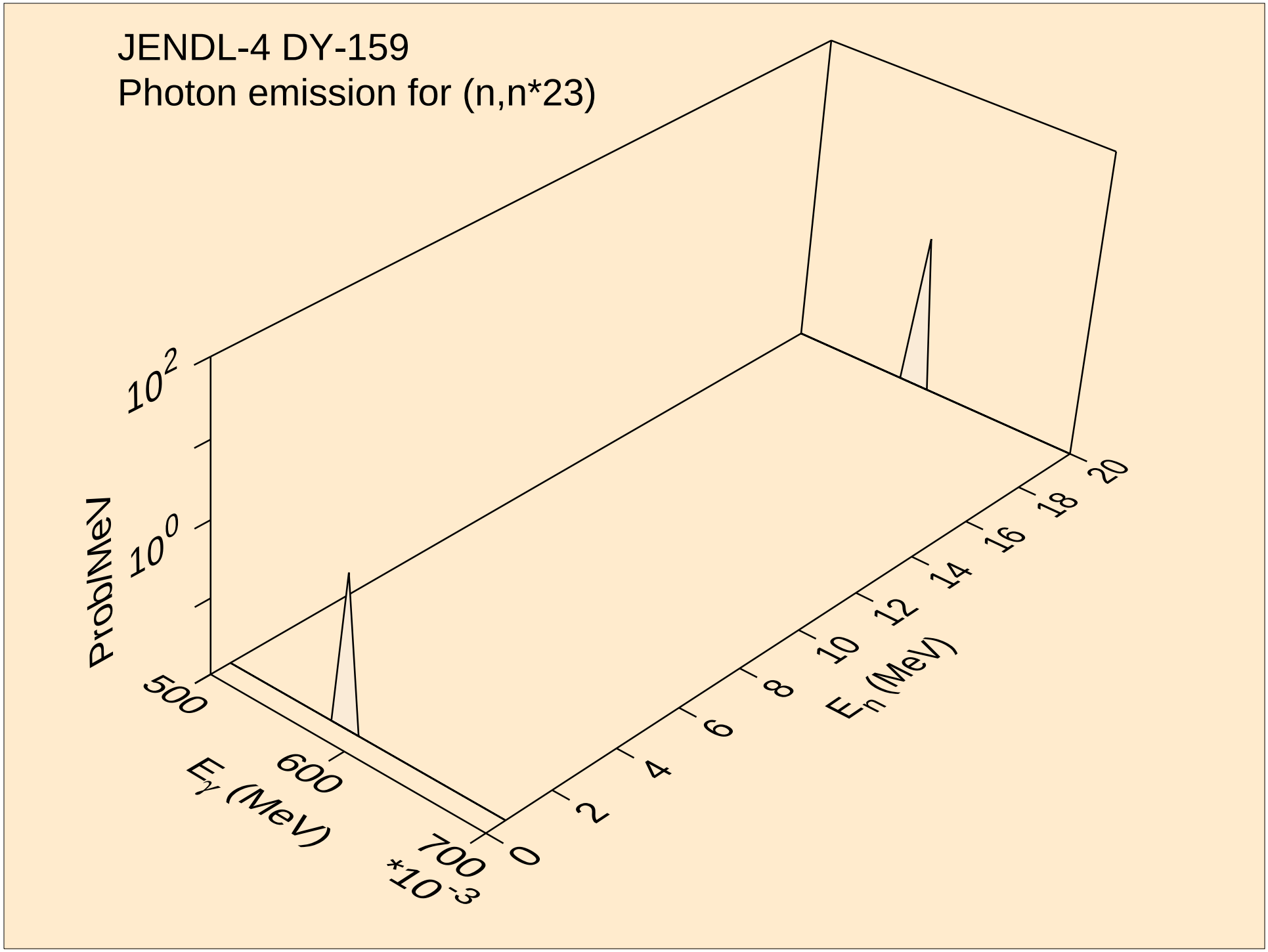

JENDL-4 DY-159
Photon emission for (n,n*18)
Prob/MeV
10^2
10^0
400
500
600
E_γ (MeV)
$*10^{-3}$
0
2
4
6
8
10
12
14
16
18
20
E_n (MeV)

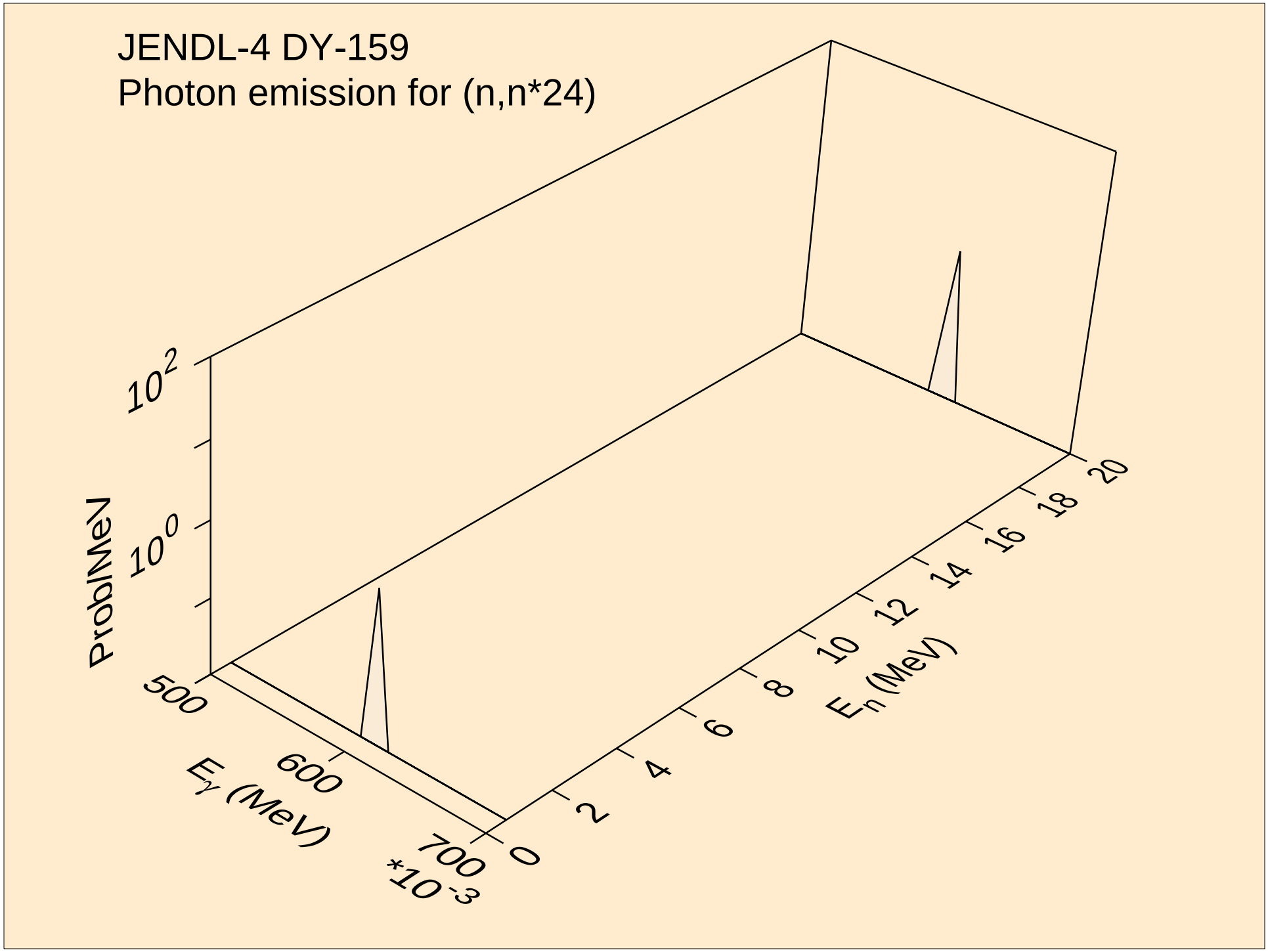

JENDL-4 DY-159
Photon emission for (n,n*19)
Prob/MeV
10^0
10^{-2}
0
200
400
E_γ (MeV)
$*10^{-3}$
0
2
4
6
8
10
12
14
16
18
20
E_n (MeV)

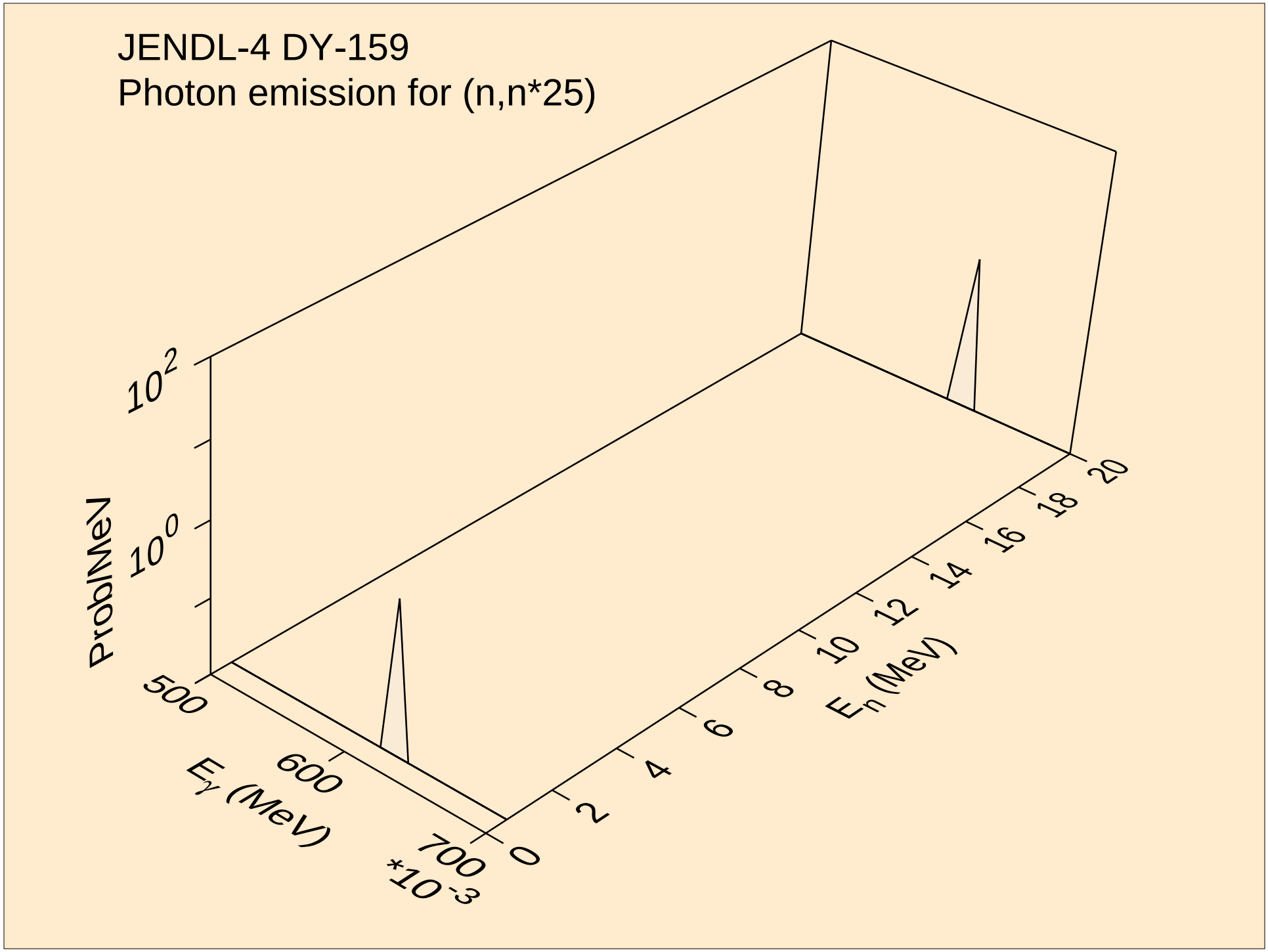

JENDL-4 DY-159
Photon emission for (n,n*20)
Prob/MeV
10^2
10^0
400
500
600
700
E_γ (MeV)
$*10^{-3}$
0
2
4
6
8
10
12
14
16
18
20
E_n (MeV)

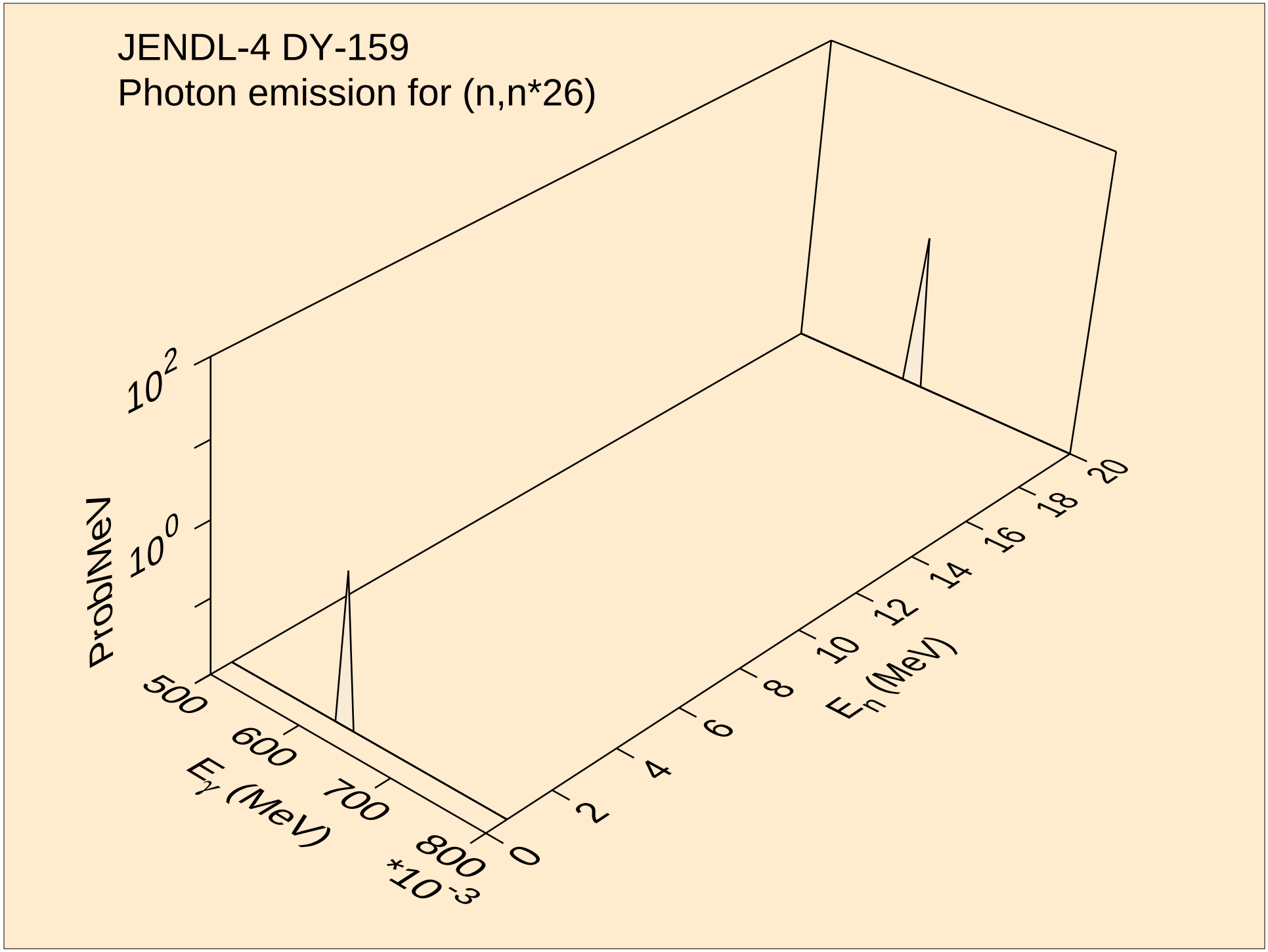

JENDL-4 DY-159
Photon emission for (n,n*21)
Prob/MeV
10^2
10^0
400
500
600
700
E_γ (MeV)
$*10^{-3}$
0
2
4
6
8
10
12
14
16
18
20
E_n (MeV)

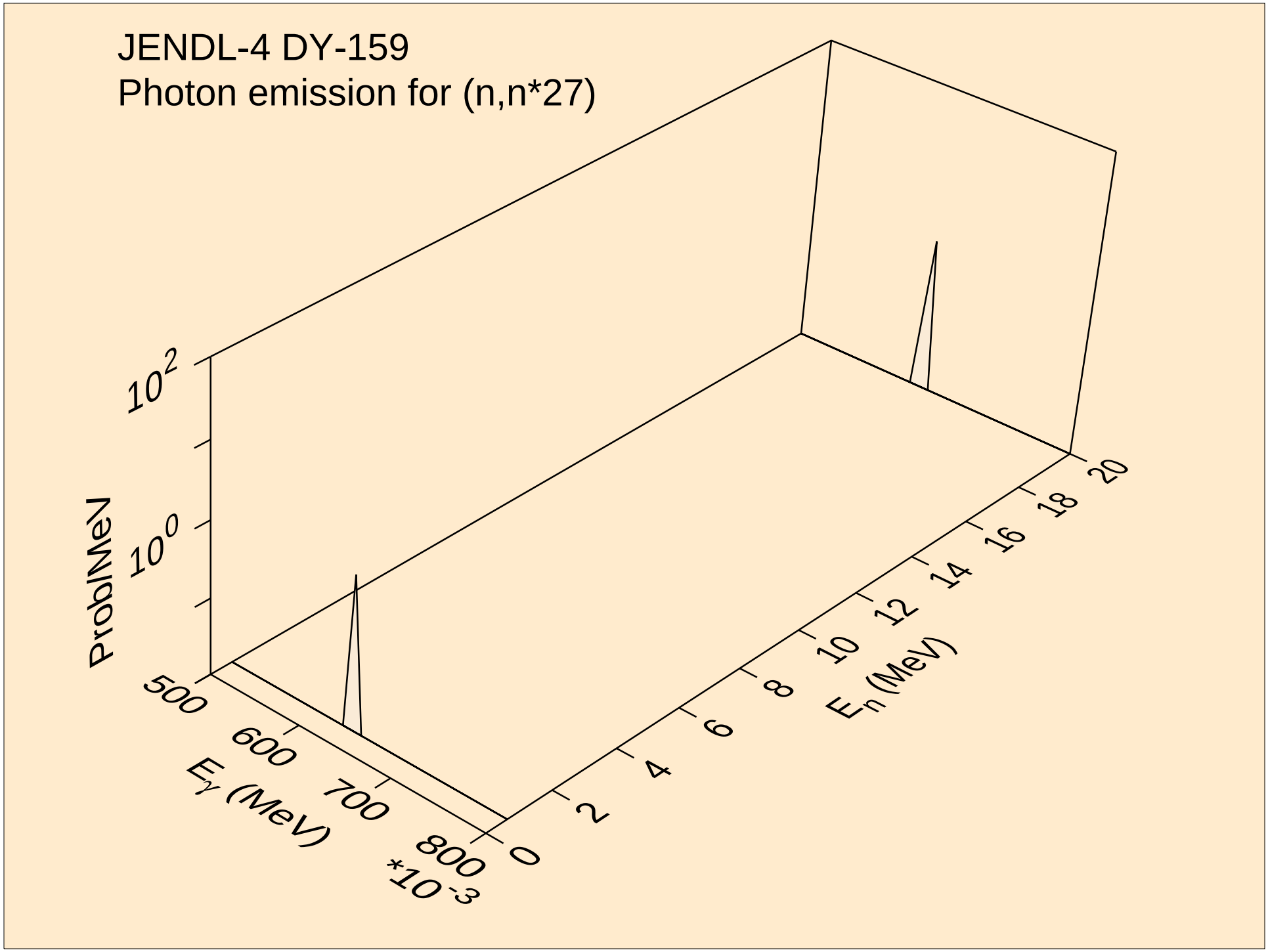

JENDL-4 DY-159
Photon emission for (n,n*22)
Prob/MeV
10^0
10^{-2}
0
200
400
E_γ (MeV)
$*10^{-3}$
0
2
4
6
8
10
12
14
16
18
20
E_n (MeV)

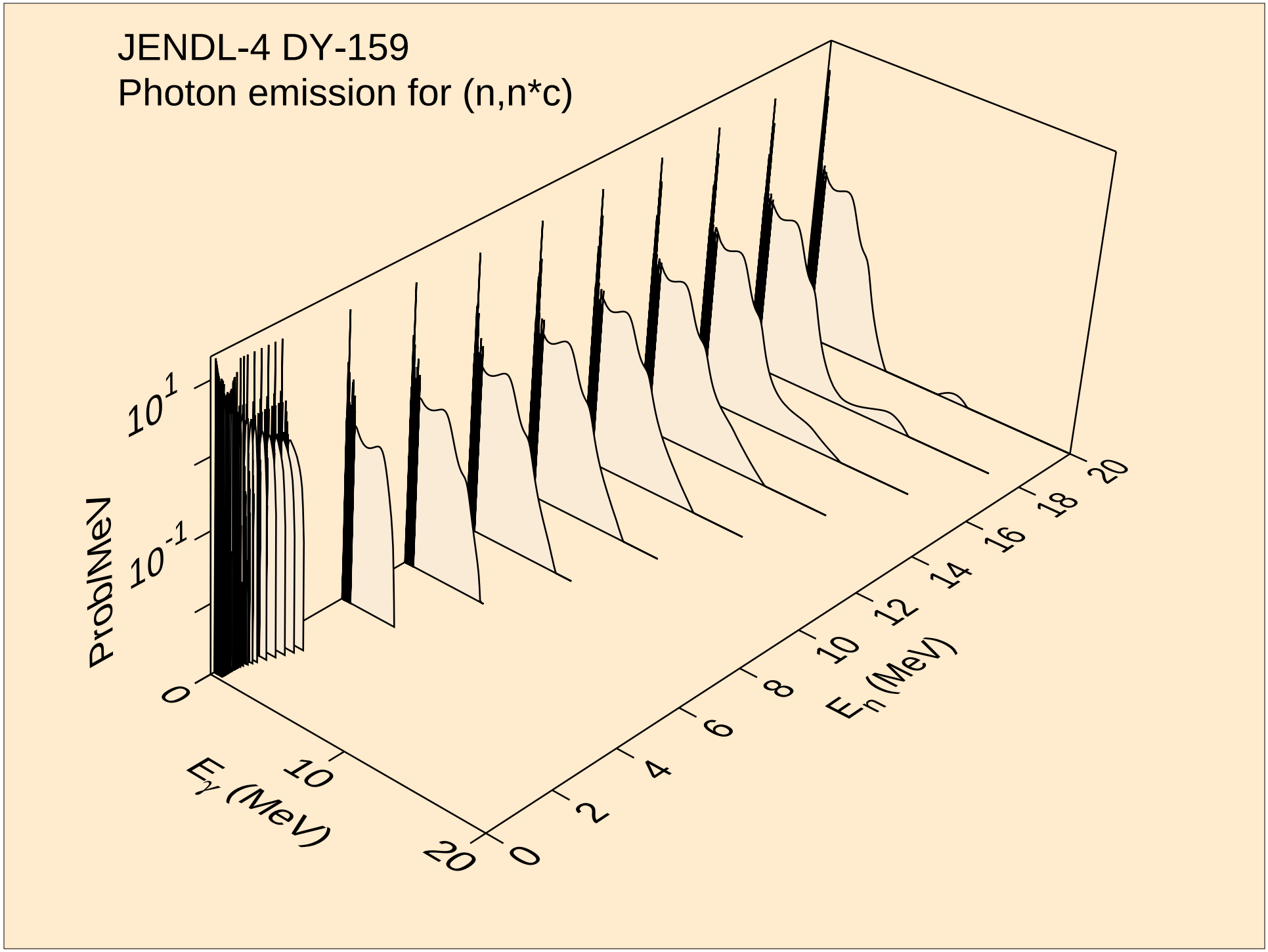

JENDL-4 DY-159
Photon emission for (n,n*23)
Prob/MeV
10^2
10^0
500
600
700
E_γ (MeV)
*10 -3
0
2
4
6
8
10
12
14
16
18
20
E_n (MeV)

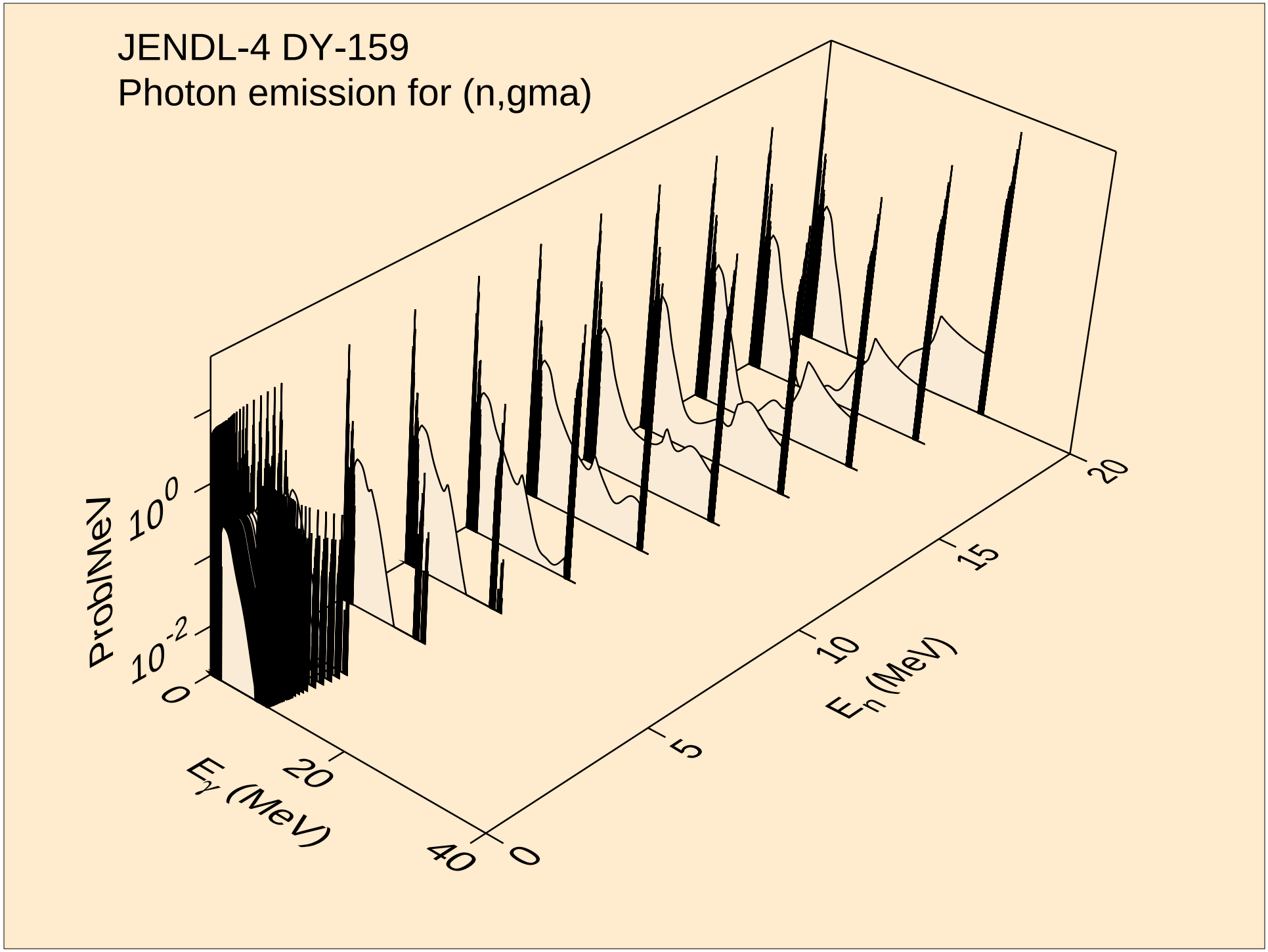

JENDL-4 DY-159
Photon emission for (n,n*24)
Prob/MeV
10^2
10^0
500
600
700
*10^-3
Eγ (MeV)
0
2
4
6
8
10
12
14
16
18
20
En (MeV)

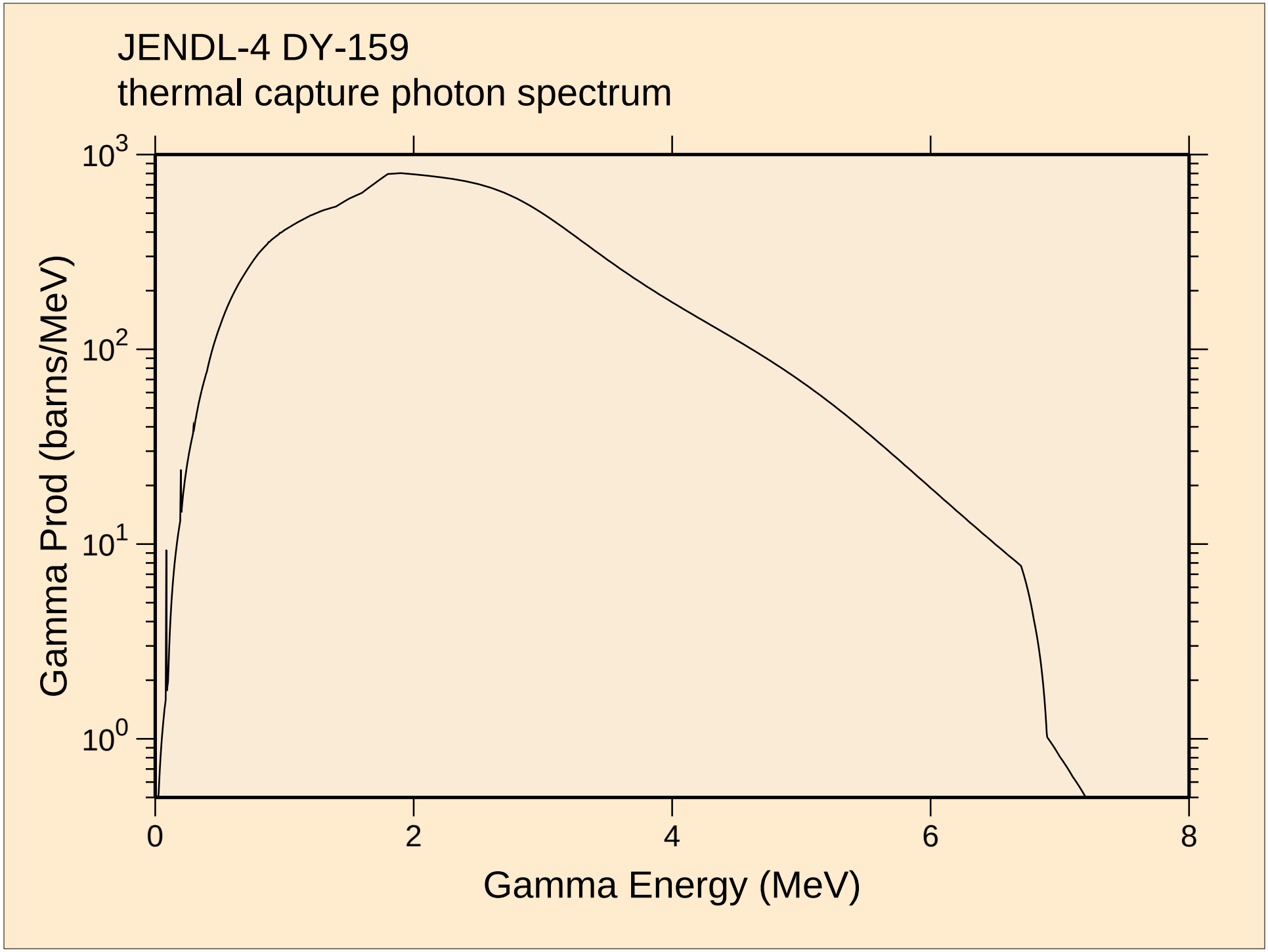

JENDL-4 DY-159
Photon emission for (n,n*25)
Prob/MeV
10^2
10^0
500
600
700
E_γ (MeV)
*10^{-3}
0
2
4
6
8
10
12
14
16
18
20
E_n (MeV)

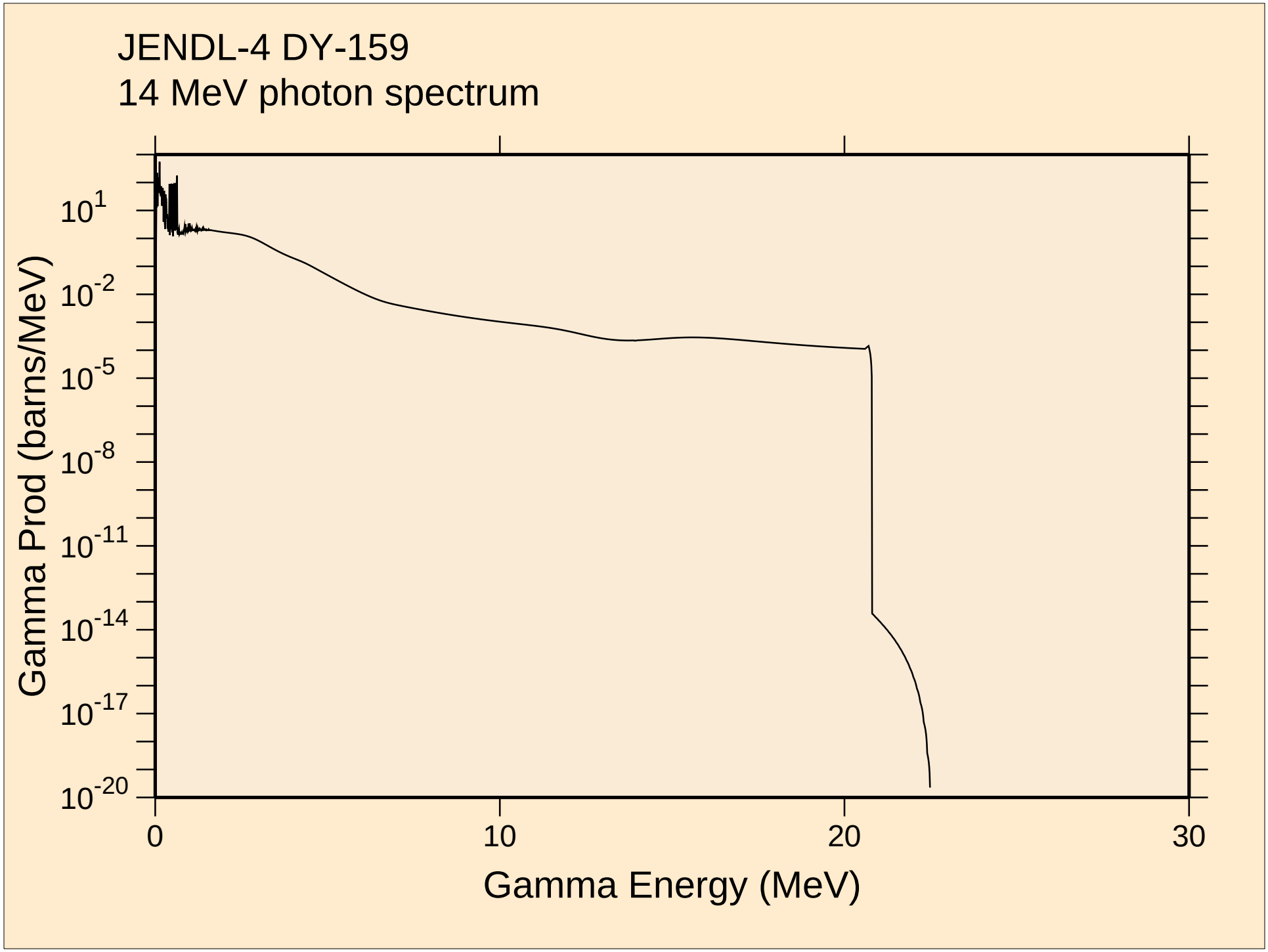

JENDL-4 DY-159
Photon emission for (n,n*26)
Prob/MeV
10^2
10^0
500
600
700
800
E_γ (MeV)
$*10^{-3}$
0
2
4
6
8
10
12
14
16
18
20
E_n (MeV)

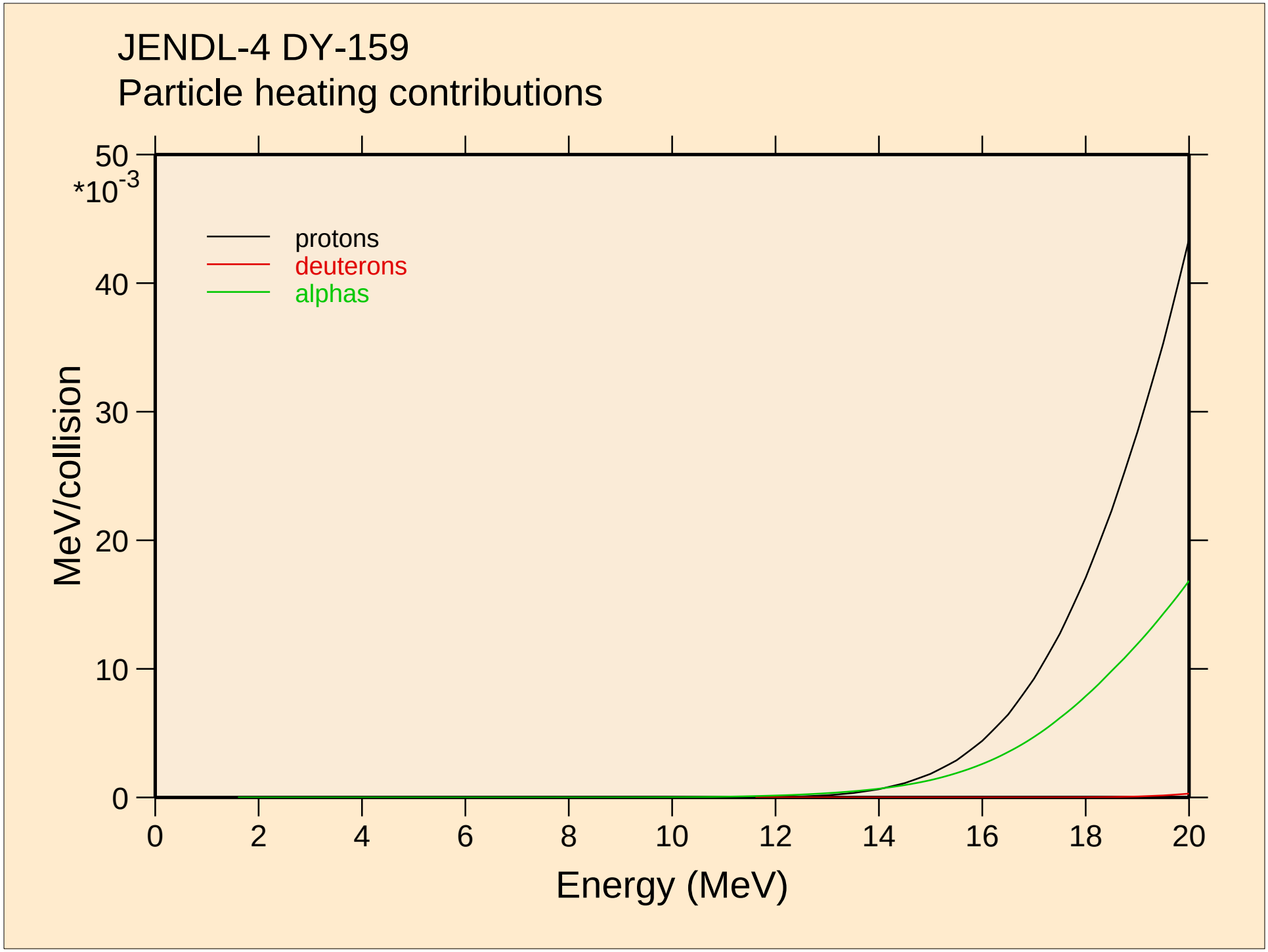

JENDL-4 DY-159
Photon emission for (n,n*27)
Prob/MeV
10^2
10^0
500
600
700
800
E_γ (MeV)
$*10^{-3}$
0
2
4
6
8
10
12
14
16
18
20
E_n (MeV)

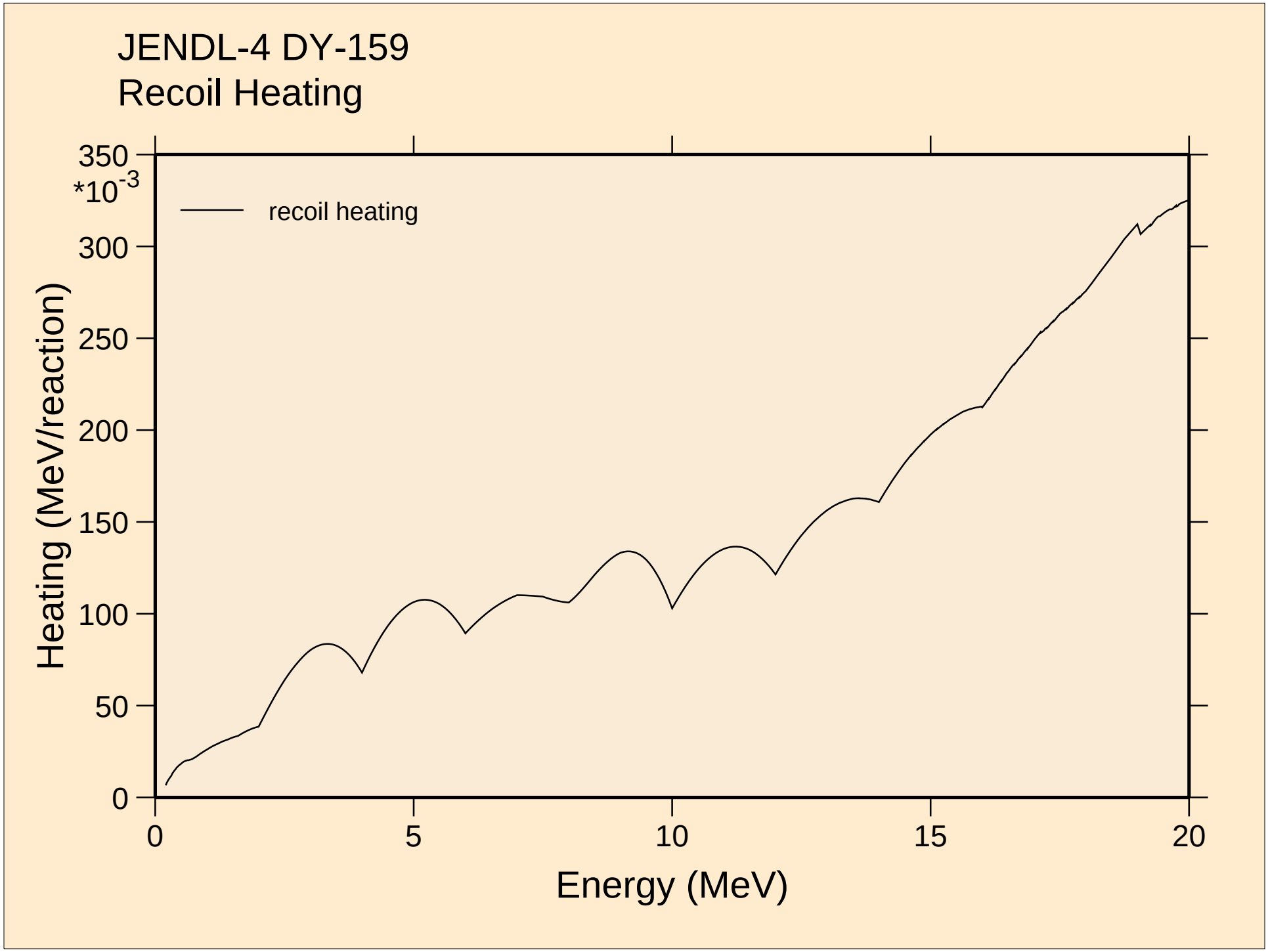

JENDL-4 DY-159
Photon emission for (n,n*c)
Prob/MeV
10^{1}
10^{-1}
0
10
20
E_γ (MeV)
0
2
4
6
8
10
12
14
16
18
20
E_n (MeV)

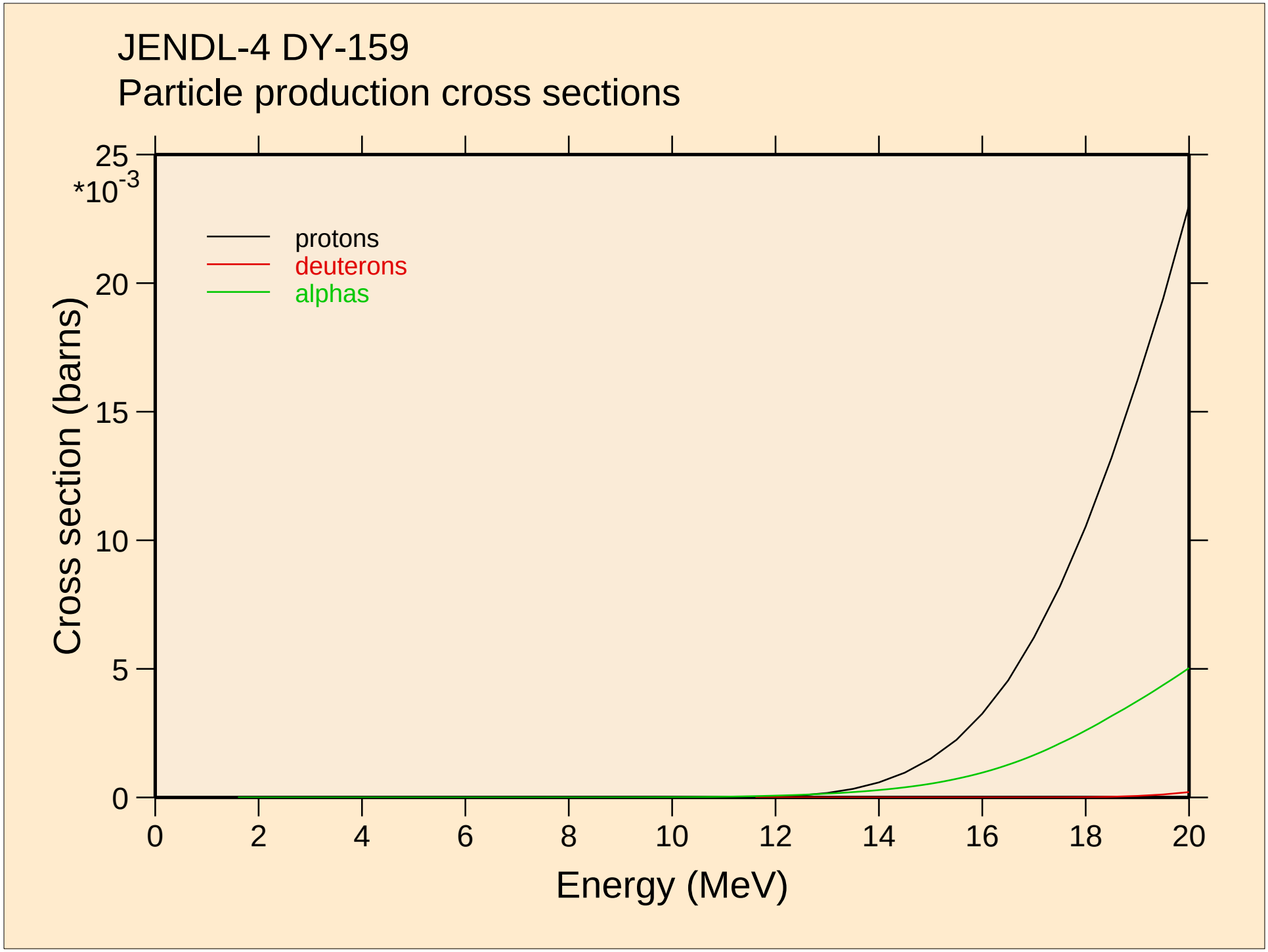

JENDL-4 DY-159
Photon emission for (n,gma)
Prob/MeV
10^0
10^{-2}
0
20
40
E_γ (MeV)
0
5
10
15
20
E_n (MeV)

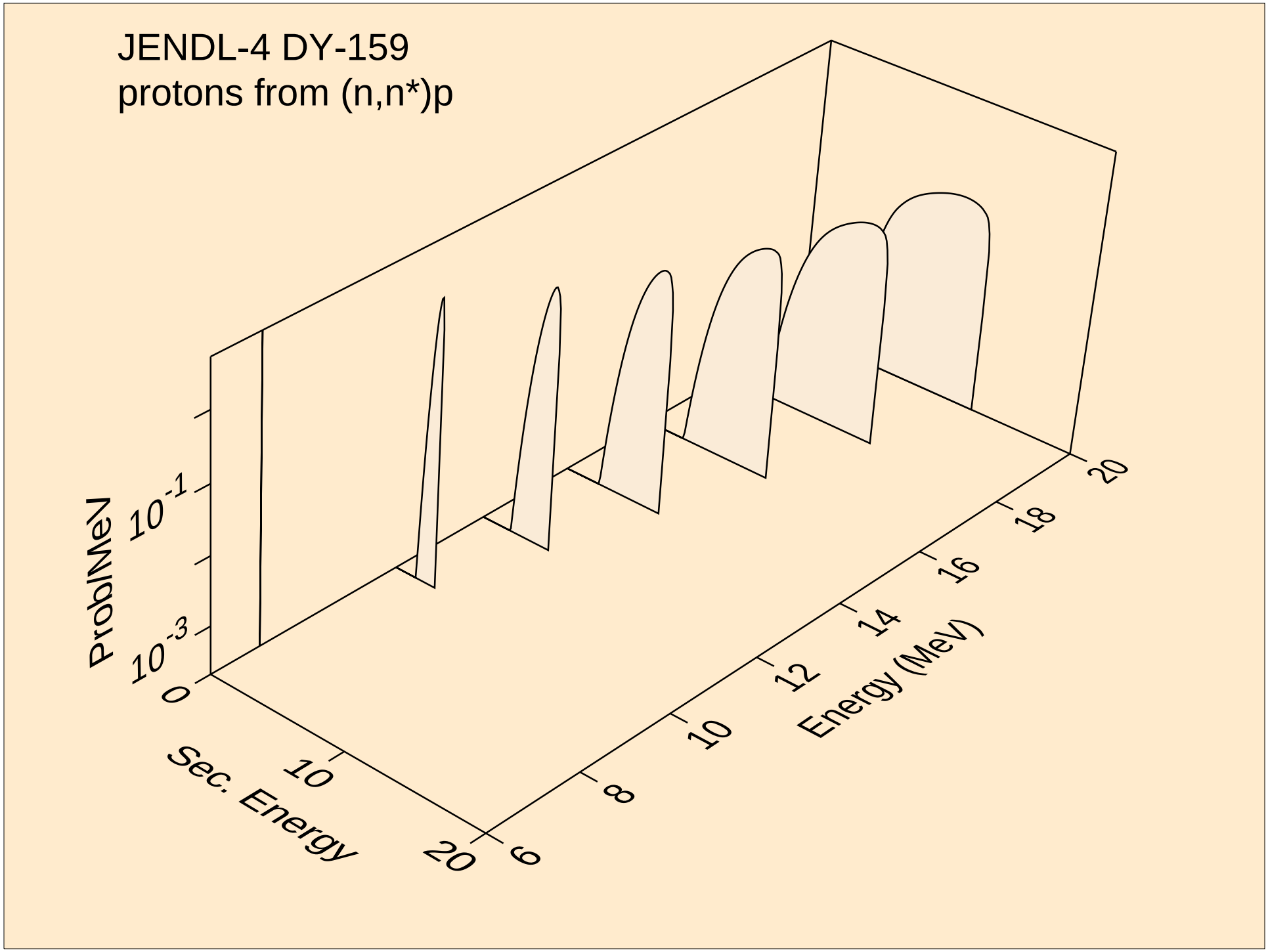

JENDL-4 DY-159
thermal capture photon spectrum
Gamma Prod (barns/MeV)
10^3
10^2
10^1
10^0
0
2
4
6
8
Gamma Energy (MeV)

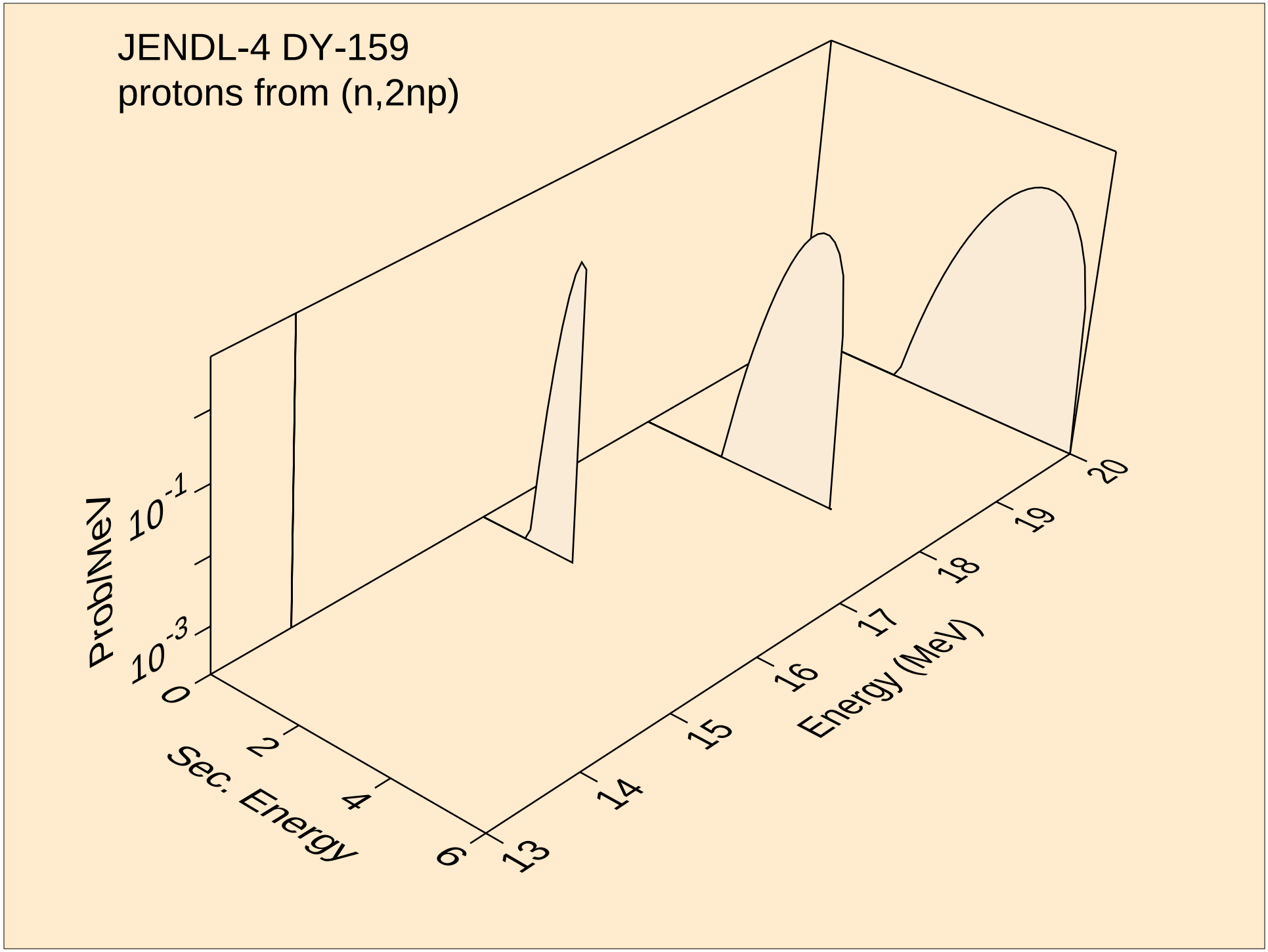

JENDL-4 DY-159
14 MeV photon spectrum
Gamma Prod (barns/MeV)
10^1
10^-2
10^-5
10^-8
10^-11
10^-14
10^-17
10^-20
0
10
20
30
Gamma Energy (MeV)

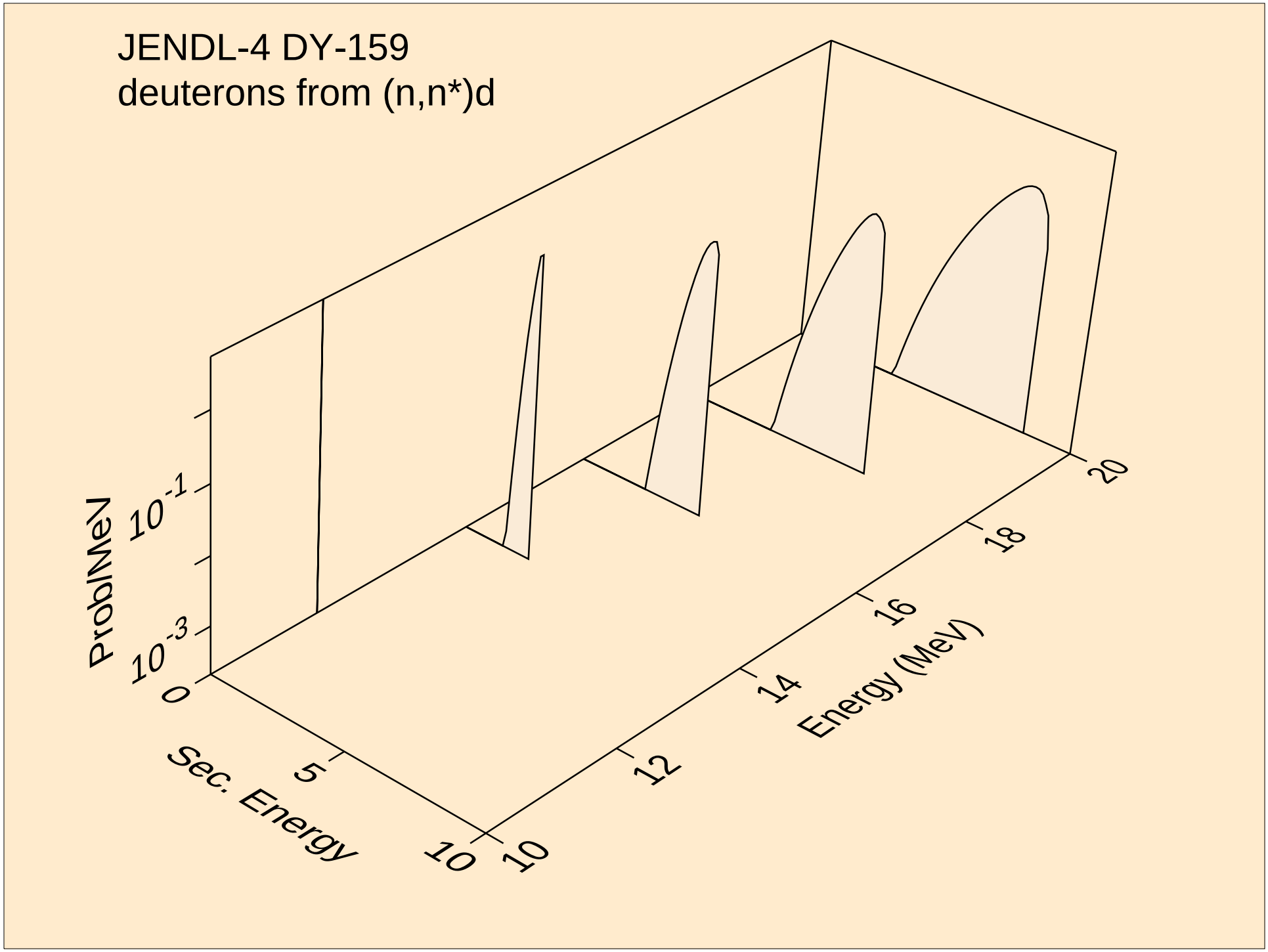

JENDL-4 DY-159
Particle heating contributions
*10-3
50
40
30
20
10
0
MeV/collision
protons
deuterons
alphas
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)

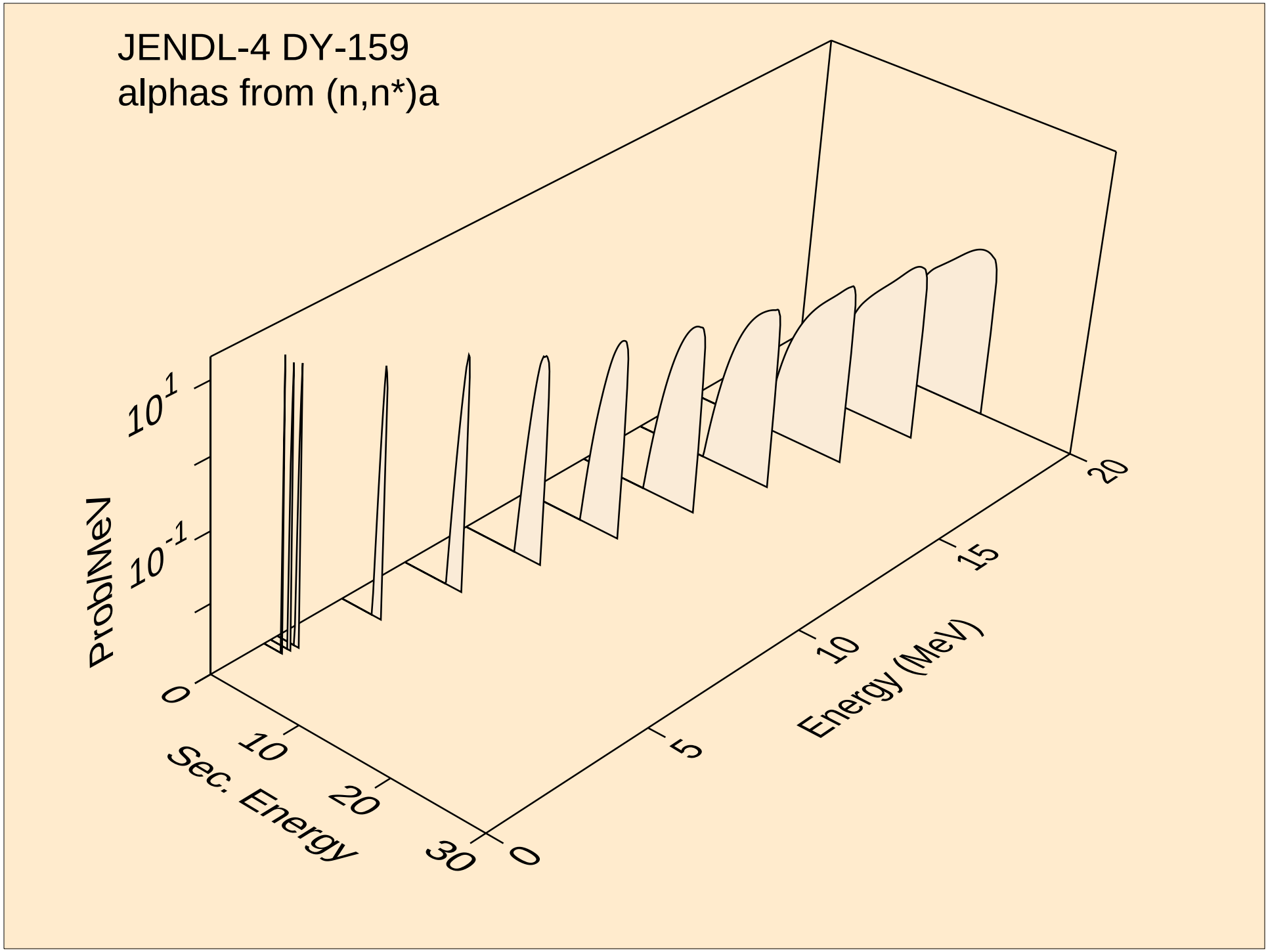

JENDL-4 DY-159
Recoil Heating
recoil heating
*10-3
350
300
250
200
150
100
50
0
Heating (MeV/reaction)
0
5
10
15
20
Energy (MeV)

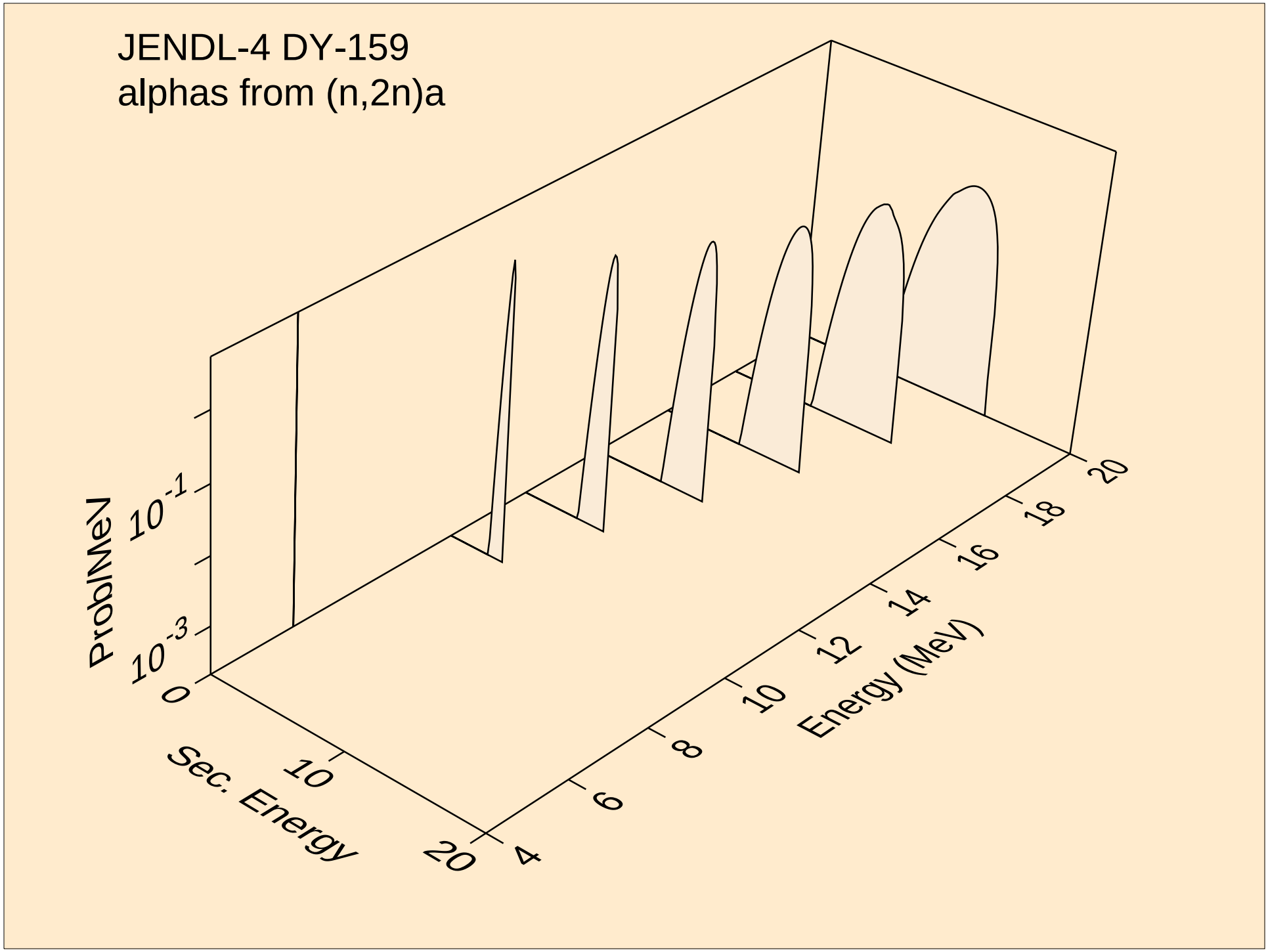

JENDL-4 DY-159
Particle production cross sections
protons
deuterons
alphas
Cross section (barns)
*10^-3
25
20
15
10
5
0
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)


JENDL-4 DY-159
protons from (n,n*)p
Prob/MeV
10^-1
10^-3
0
Sec. Energy
10
20
6
8
10
12
14
16
18
20
Energy (MeV)


JENDL-4 DY-159
protons from (n,2np)
Prob/MeV
10^-1
10^-3
0
2
4
6
Sec. Energy
13
14
15
16
17
18
19
20
Energy (MeV)


JENDL-4 DY-159
deuterons from (n,n*)d
Prob/MeV
10-1
10-3
0
Sec. Energy
5
10
10
12
14
16
18
20
Energy (MeV)


JENDL-4 DY-159
alphas from (n,n*)a
Prob/MeV
10^1
10^-1
0
10
20
30
Sec. Energy
0
5
10
15
20
Energy (MeV)


JENDL-4 DY-159
alphas from (n,2n)a
Prob/MeV
10^-1
10^-3
0
Sec. Energy
10
20
4
6
8
10
12
14
16
18
20
Energy (MeV)