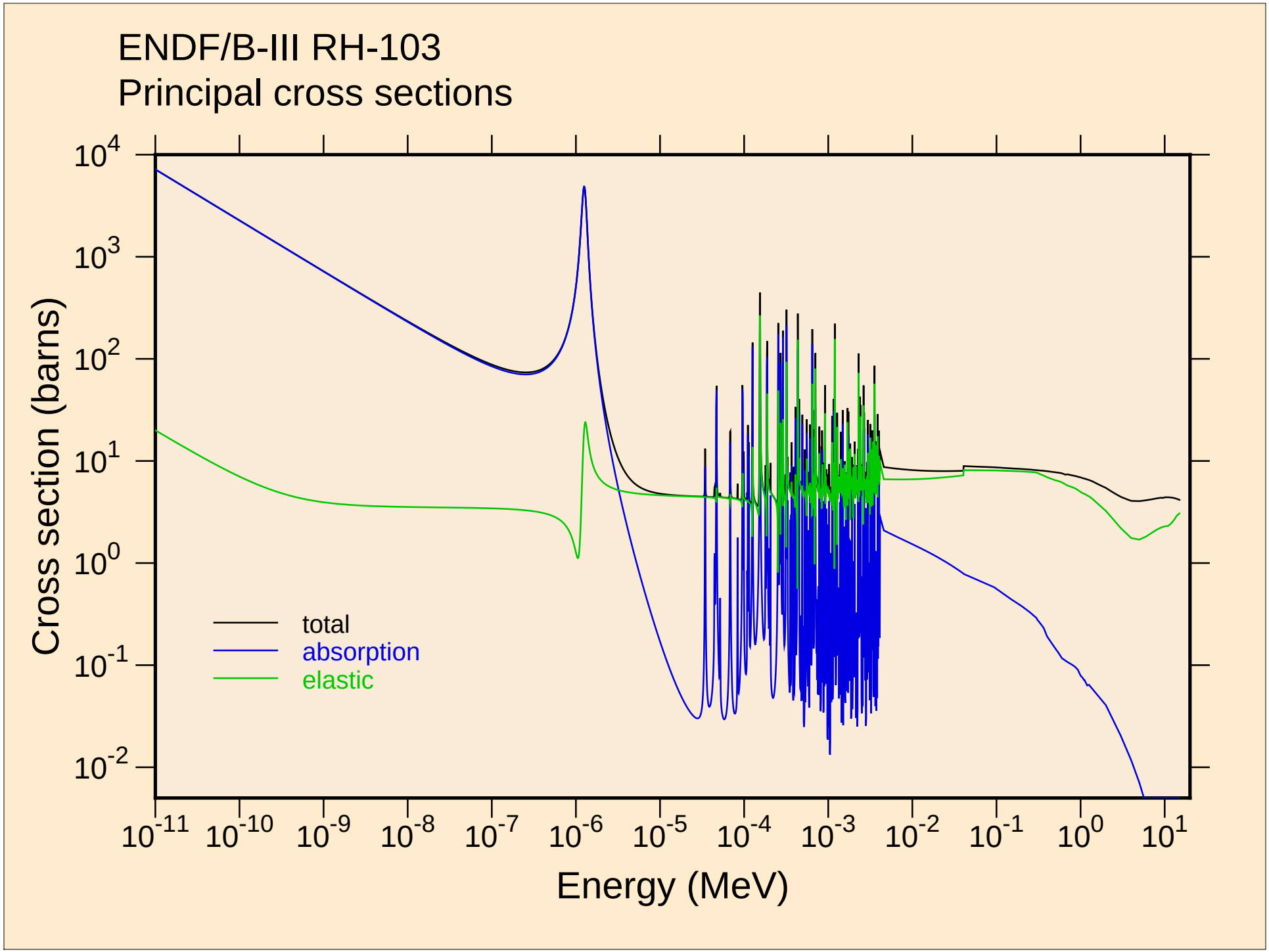
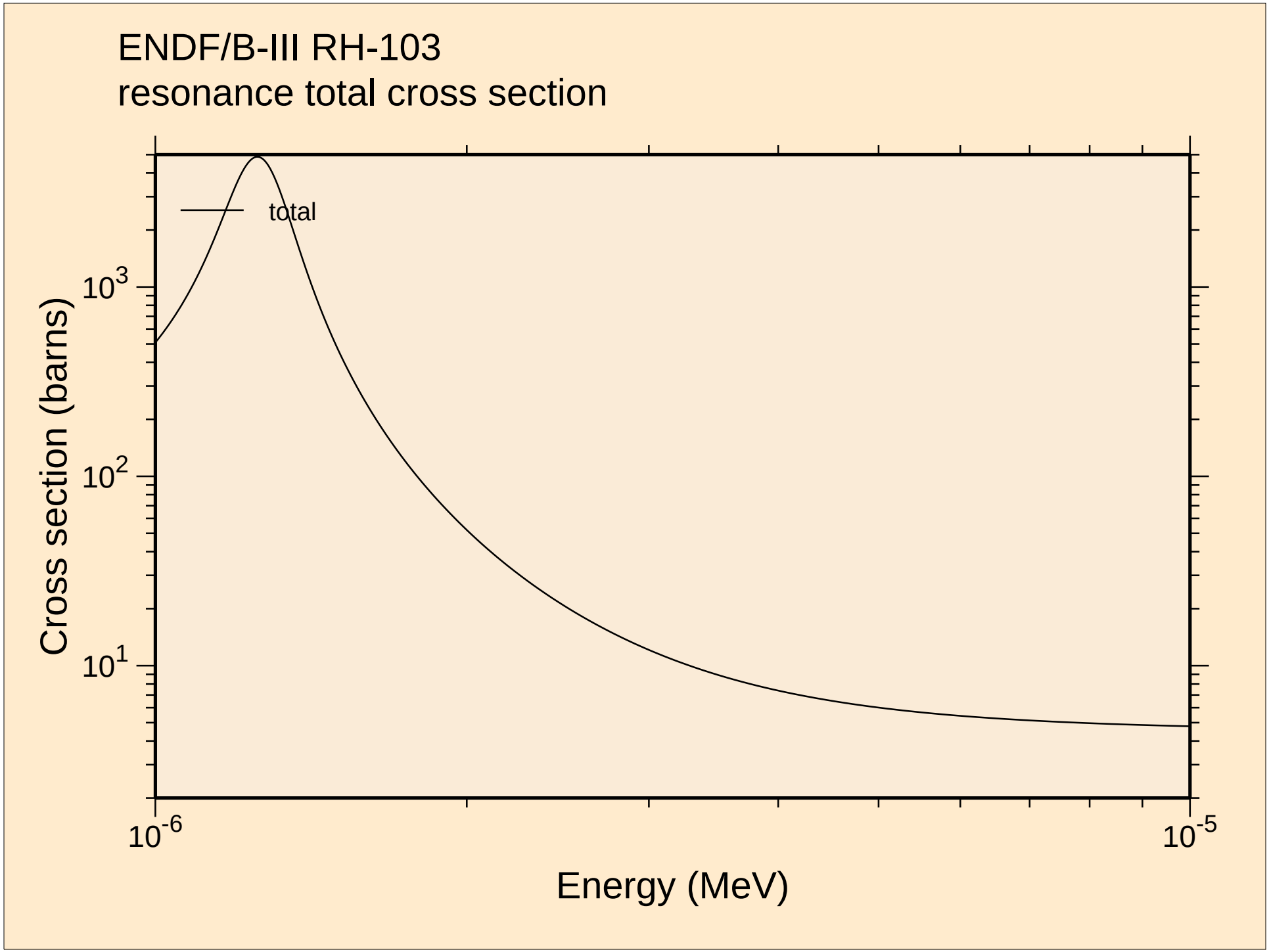
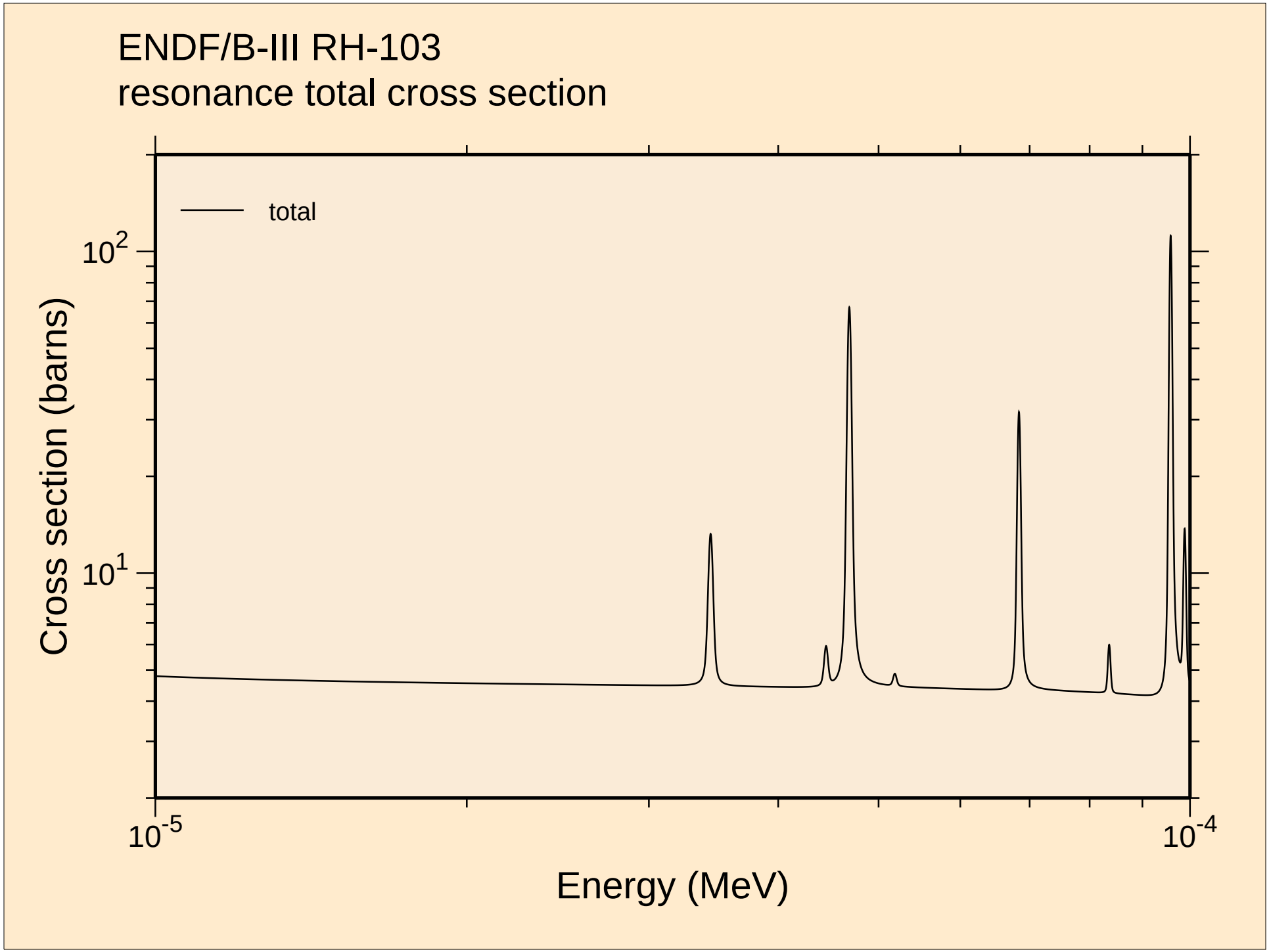
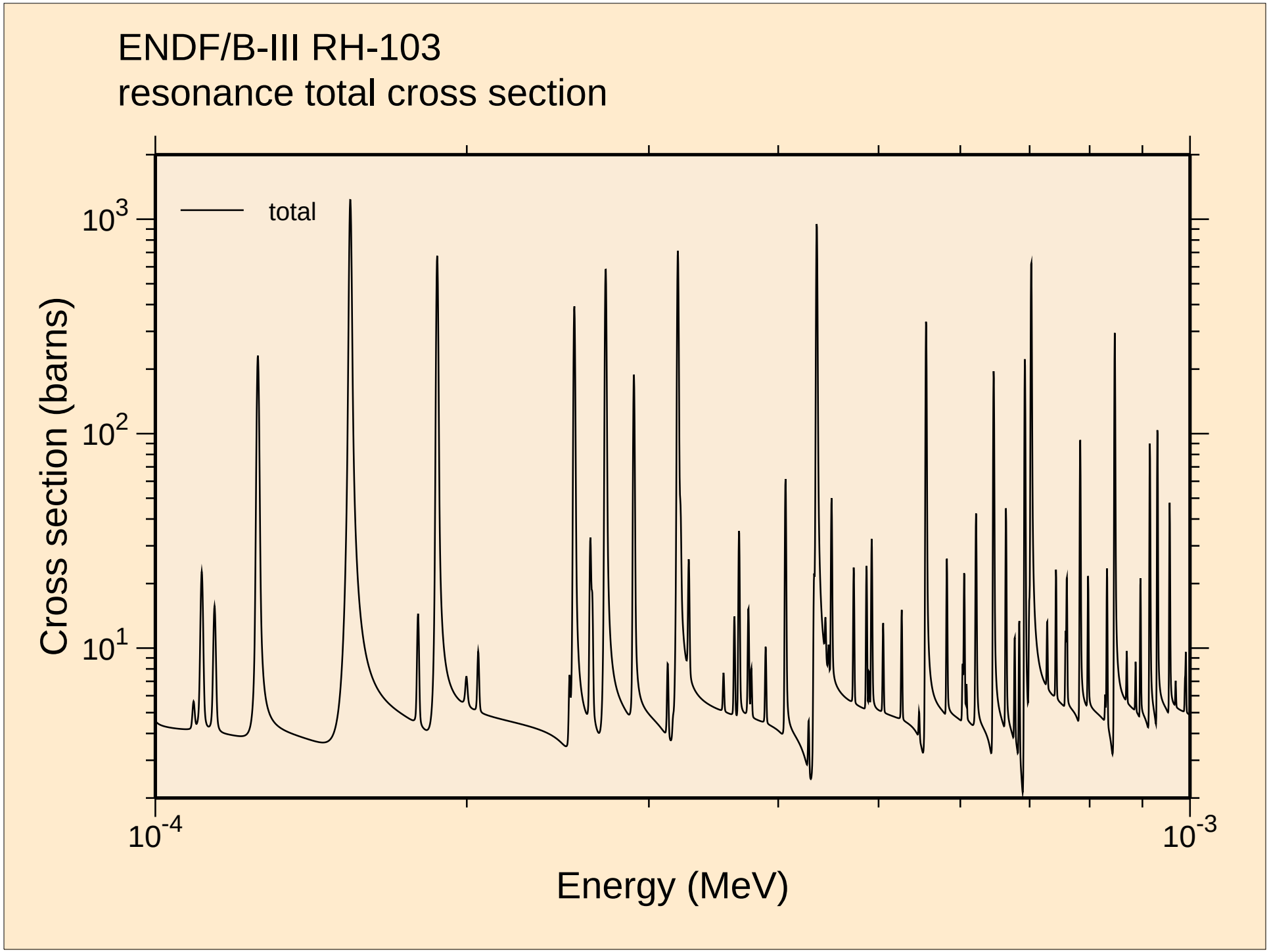
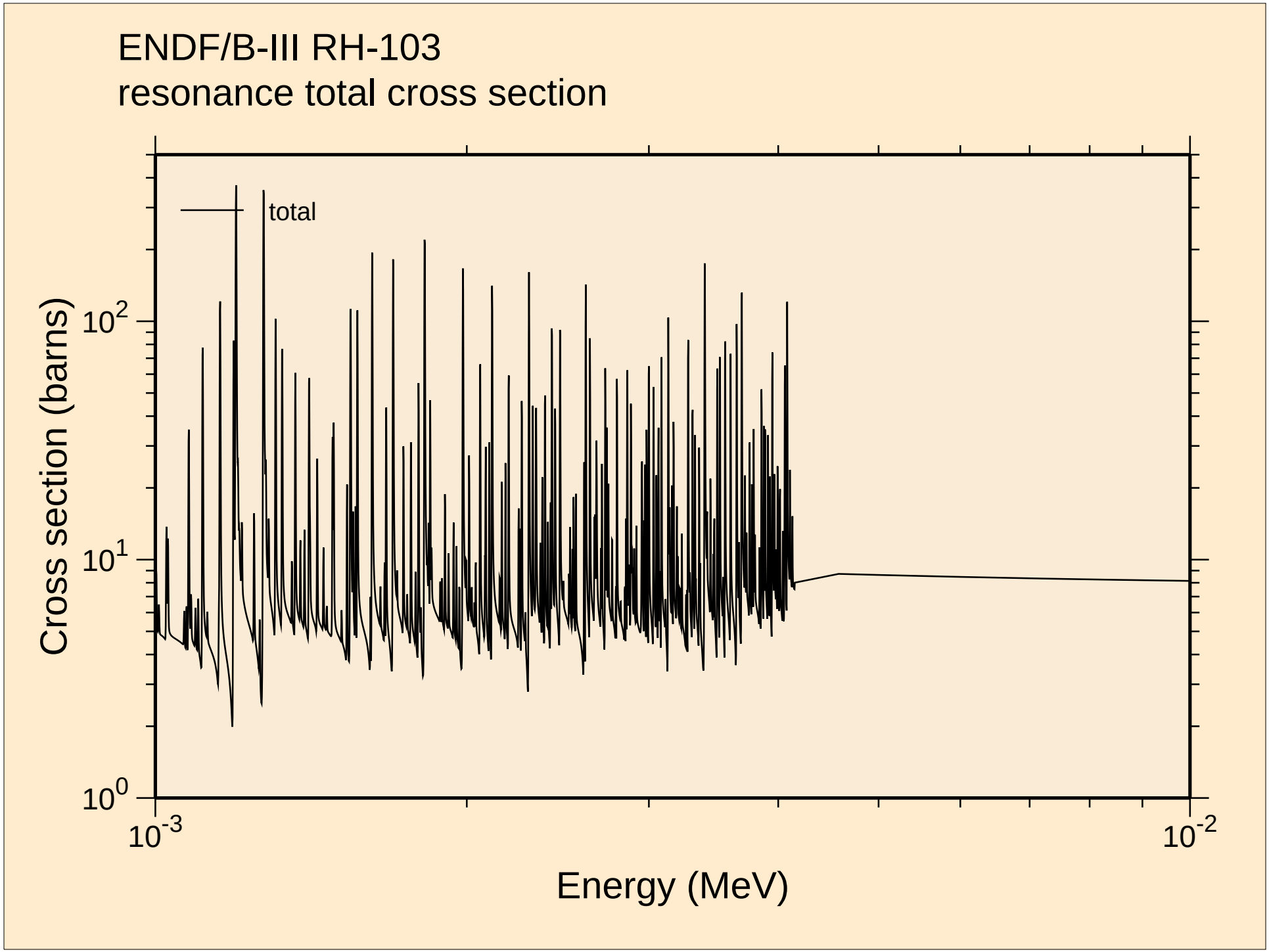
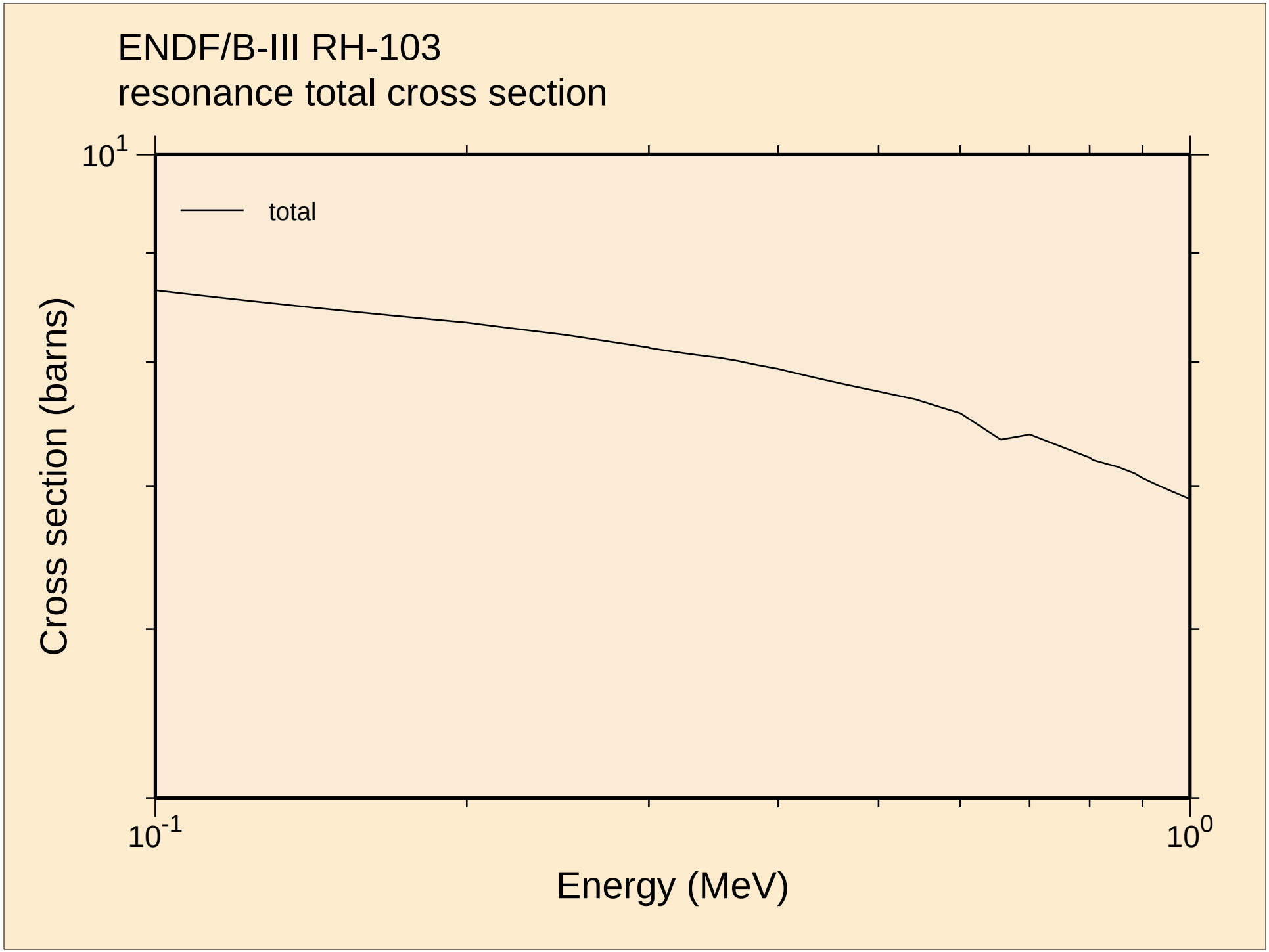

ENDF/B-III RH-103
Principal cross sections
Cross section (barns)
10^{4}
10^{3}
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-2}
total
absorption
elastic
10^{-11} 10^{-10} 10^{-9} 10^{-8} 10^{-7} 10^{-6} 10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1}
Energy (MeV)

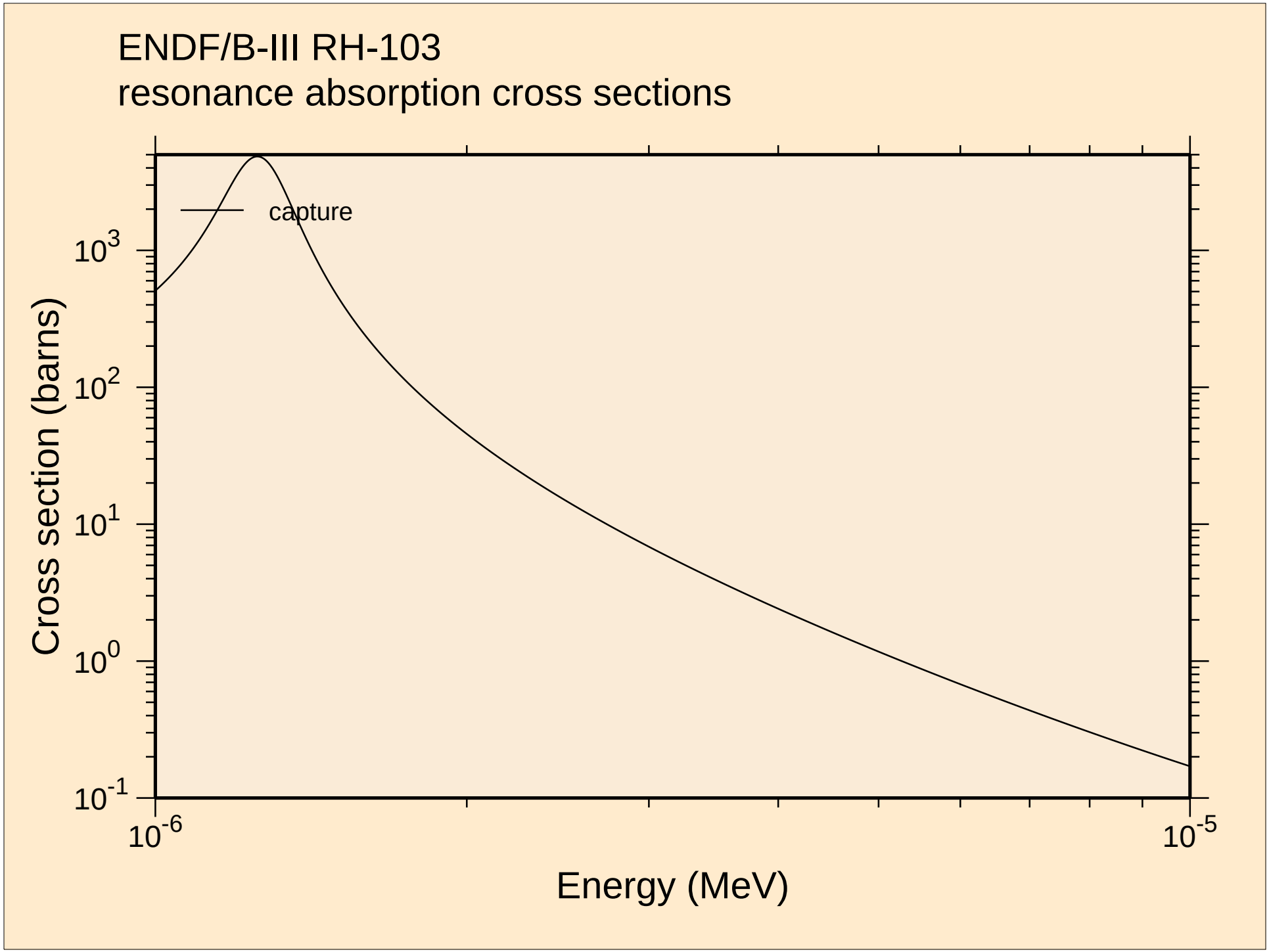

ENDF/B-III RH-103
resonance total cross section
total
Cross section (barns)
10^3
10^2
10^1
10^-6
10^-5
Energy (MeV)

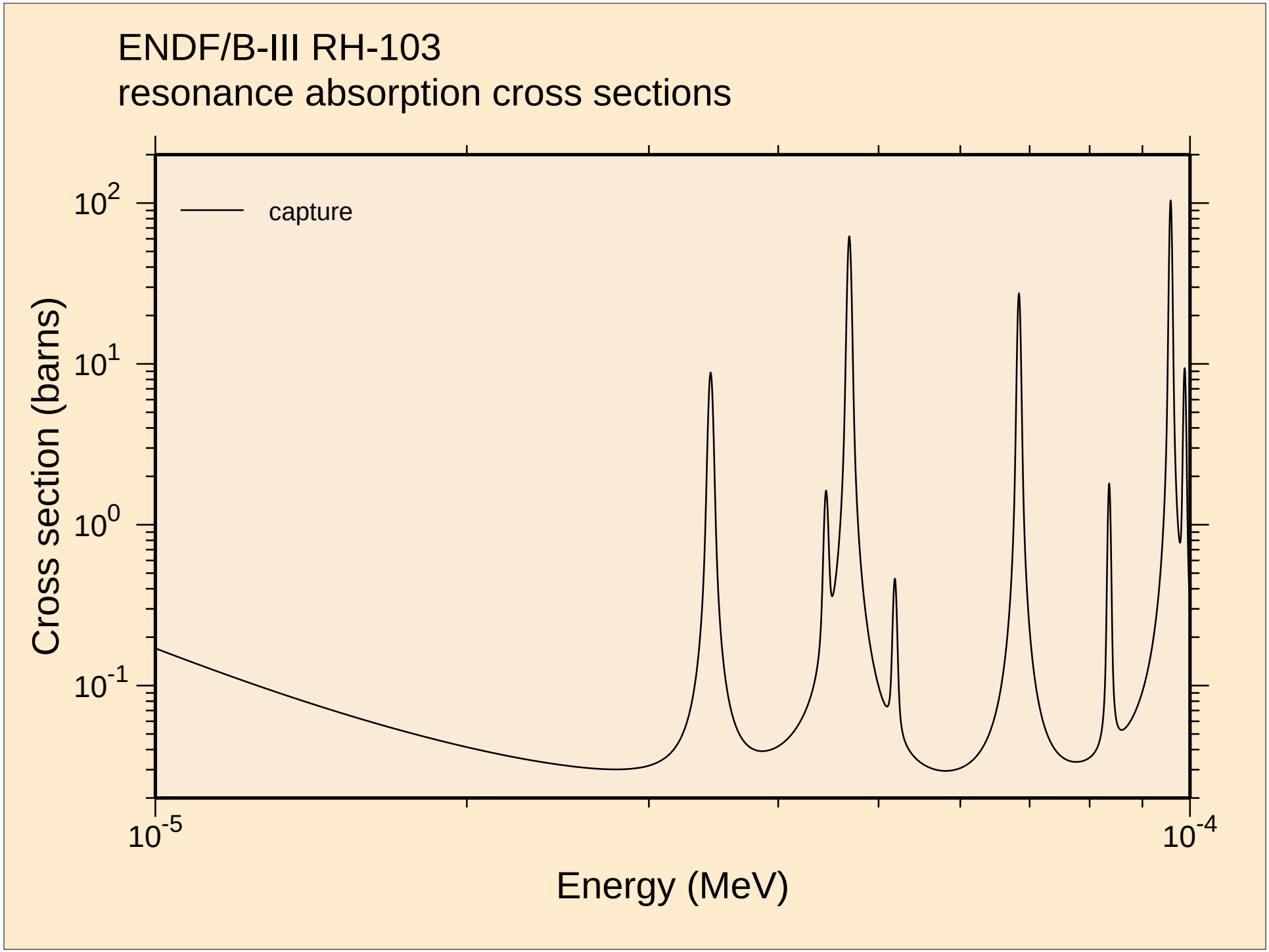

ENDF/B-III RH-103
resonance total cross section
total
10^2
10^1
Cross section (barns)
10^{-5}
10^{-4}
Energy (MeV)

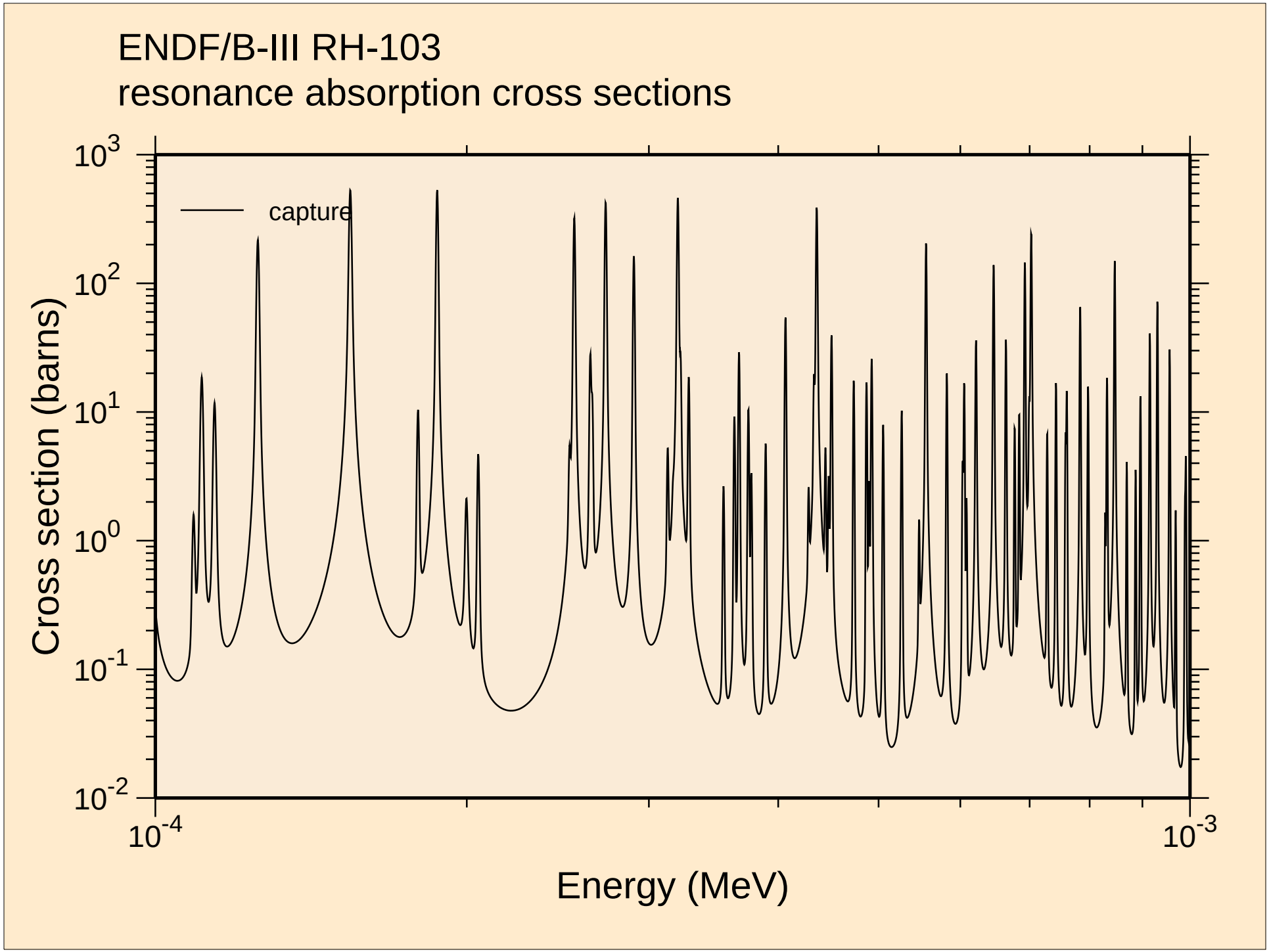

ENDF/B-III RH-103
resonance total cross section
total
Cross section (barns)
10^3
10^2
10^1
10^{-4}
10^{-3}
Energy (MeV)

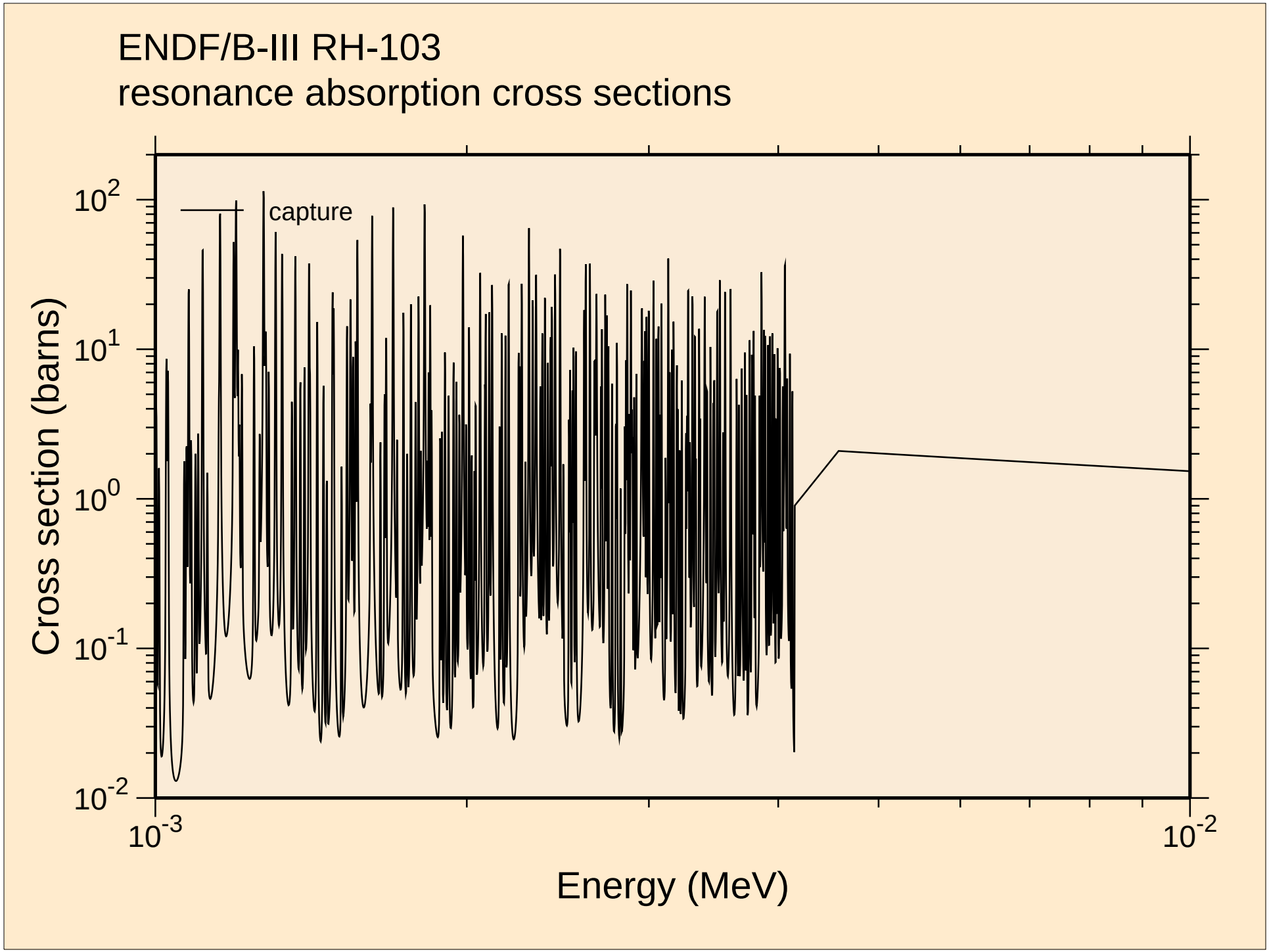

ENDF/B-III RH-103
resonance total cross section
total
Cross section (barns)
10^2
10^1
10^0
10^{-3}
10^{-2}
Energy (MeV)

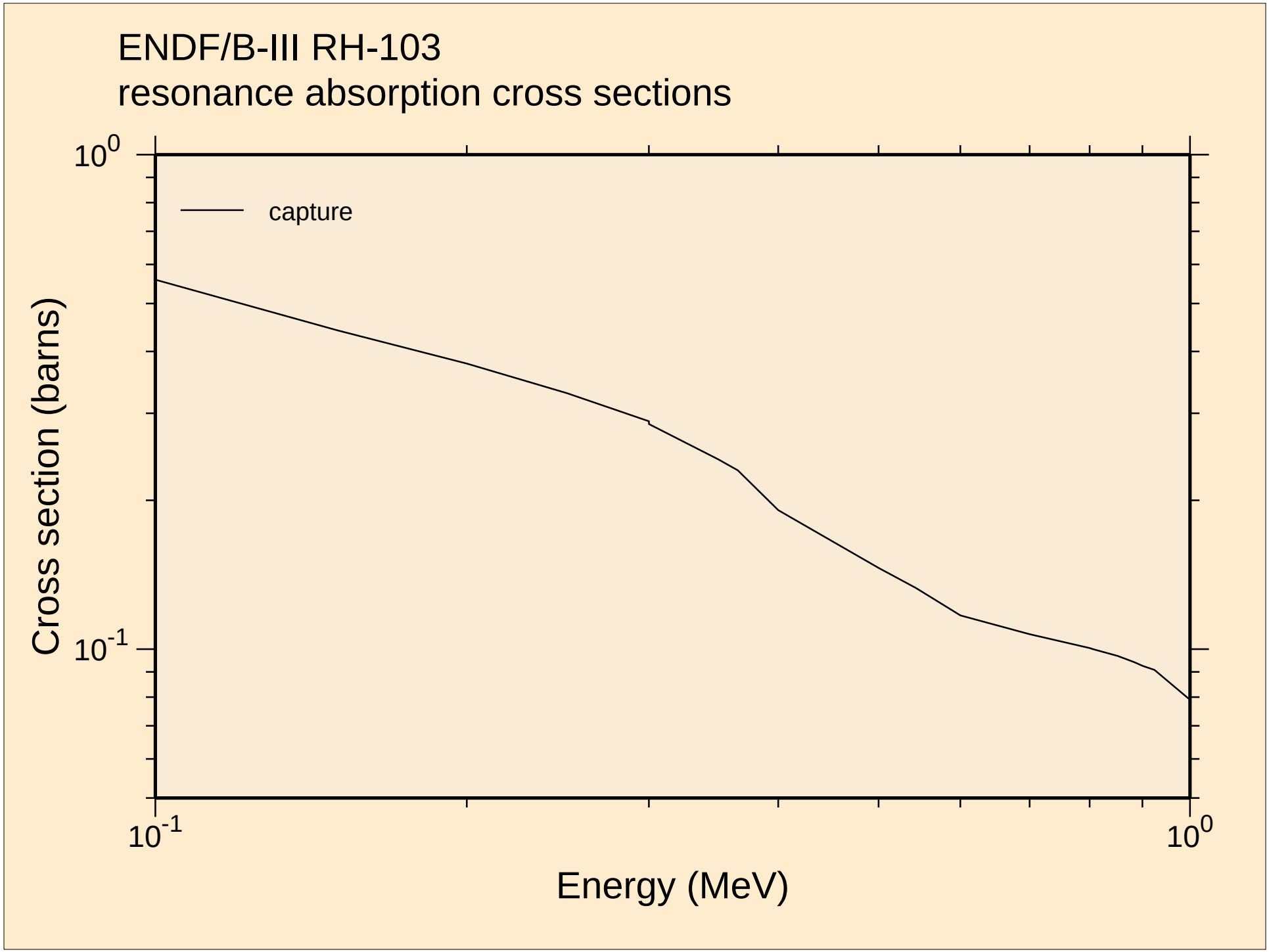

ENDF/B-III RH-103
resonance total cross section
10^{1}
total
Cross section (barns)
10^{-1}
10^{0}
Energy (MeV)

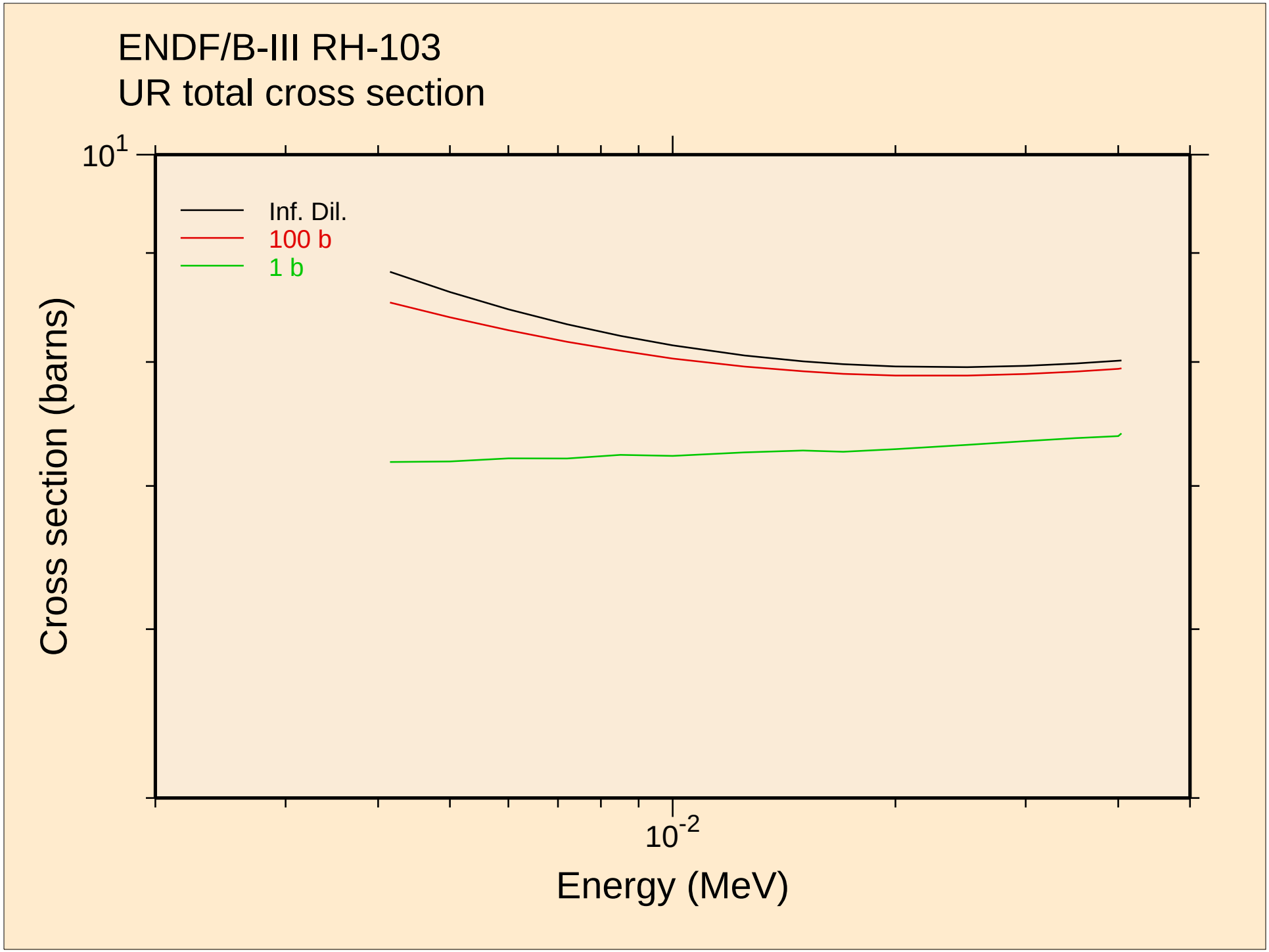

ENDF/B-III RH-103
resonance absorption cross sections
capture
Cross section (barns)
10^3
10^2
10^1
10^0
10^-1
10^-6
10^-5
Energy (MeV)

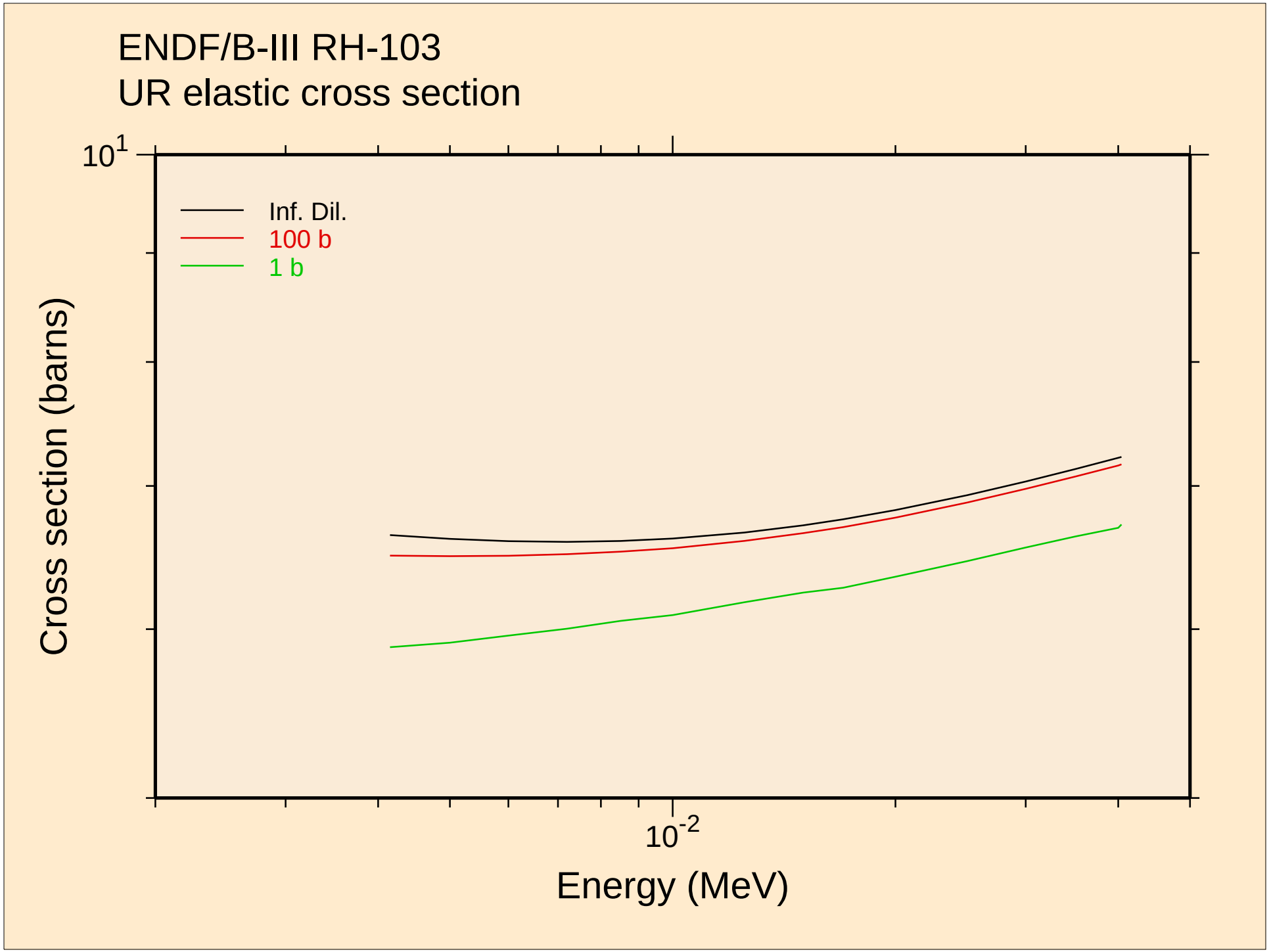

ENDF/B-III RH-103
resonance absorption cross sections
capture
Cross section (barns)
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-5}
10^{-4}
Energy (MeV)

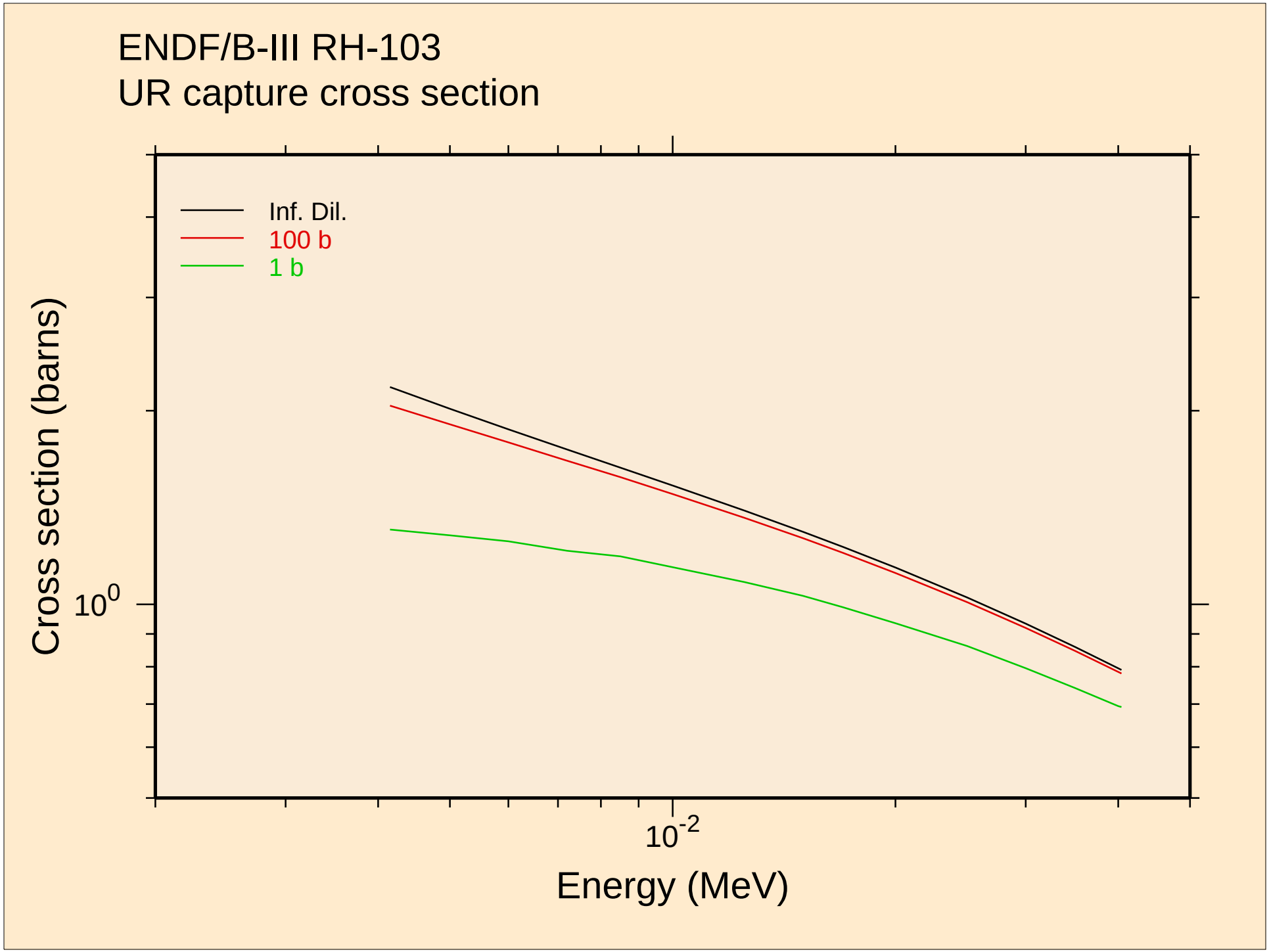

ENDF/B-III RH-103
resonance absorption cross sections
capture
Cross section (barns)
10^{3}
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-4}
10^{-3}
Energy (MeV)

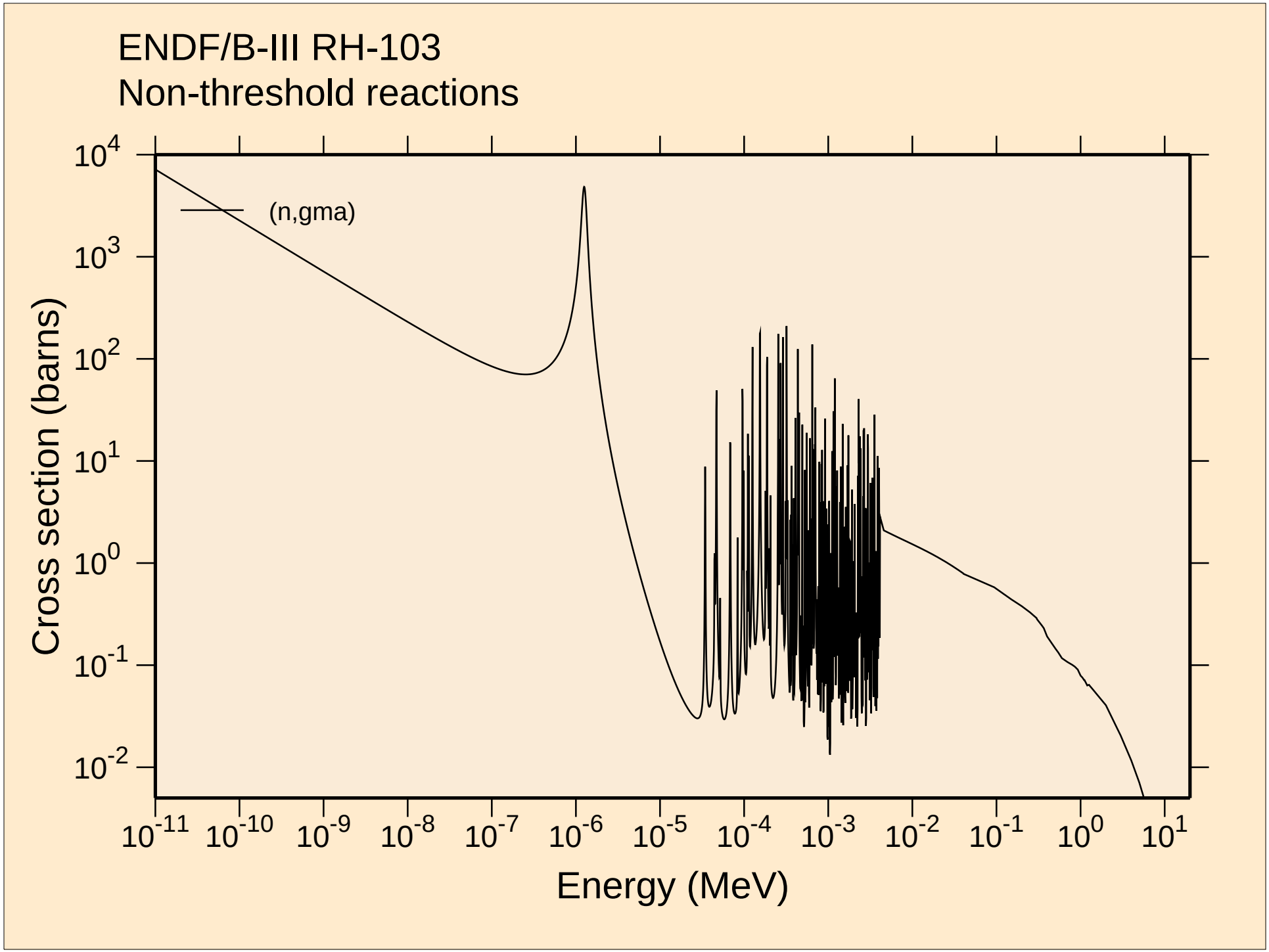

ENDF/B-III RH-103
resonance absorption cross sections
capture
Cross section (barns)
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-2}
Energy (MeV)

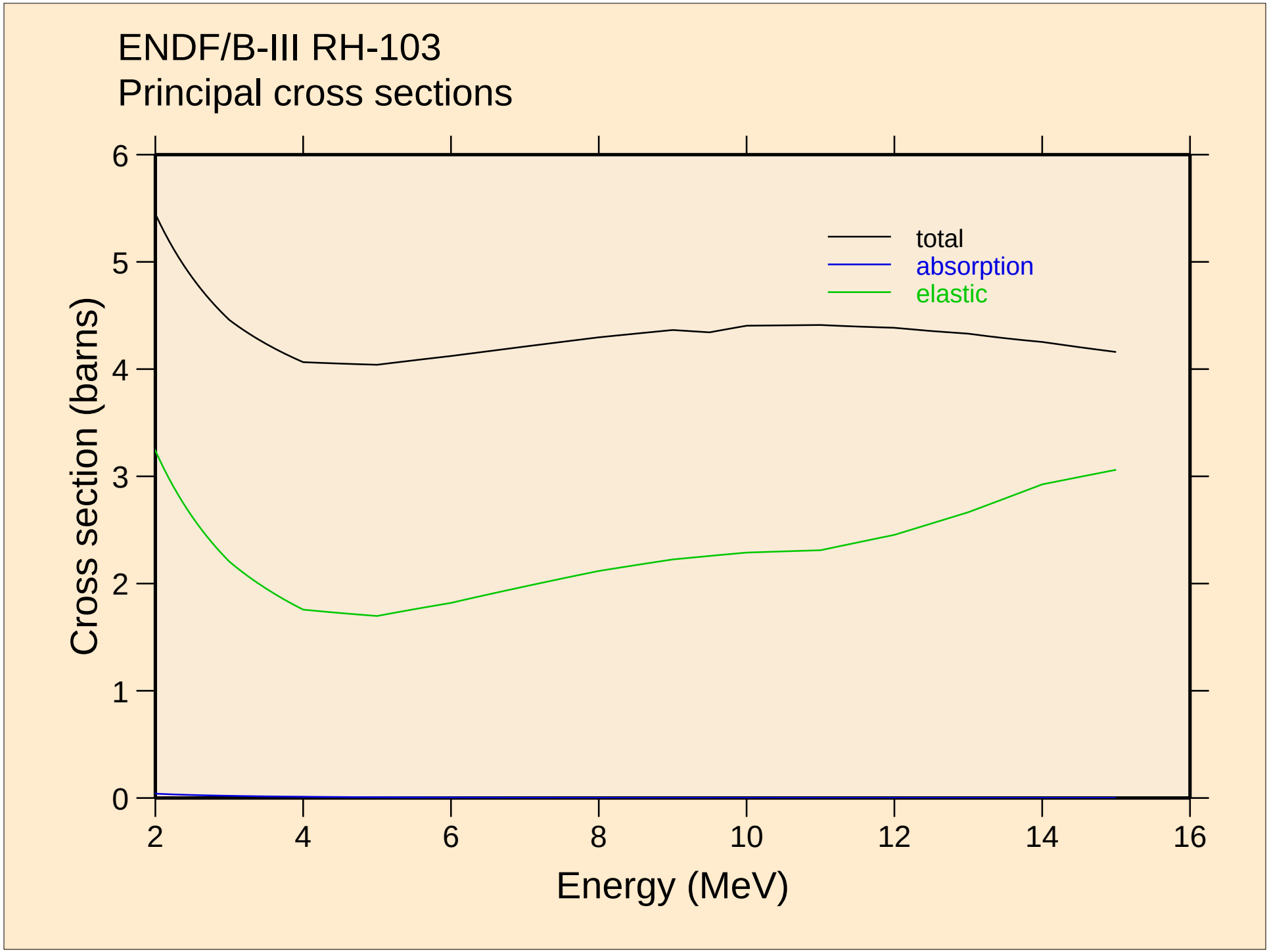

ENDF/B-III RH-103
resonance absorption cross sections
capture
Cross section (barns)
10^{0}
10^{-1}
10^{-1}
10^{0}
Energy (MeV)

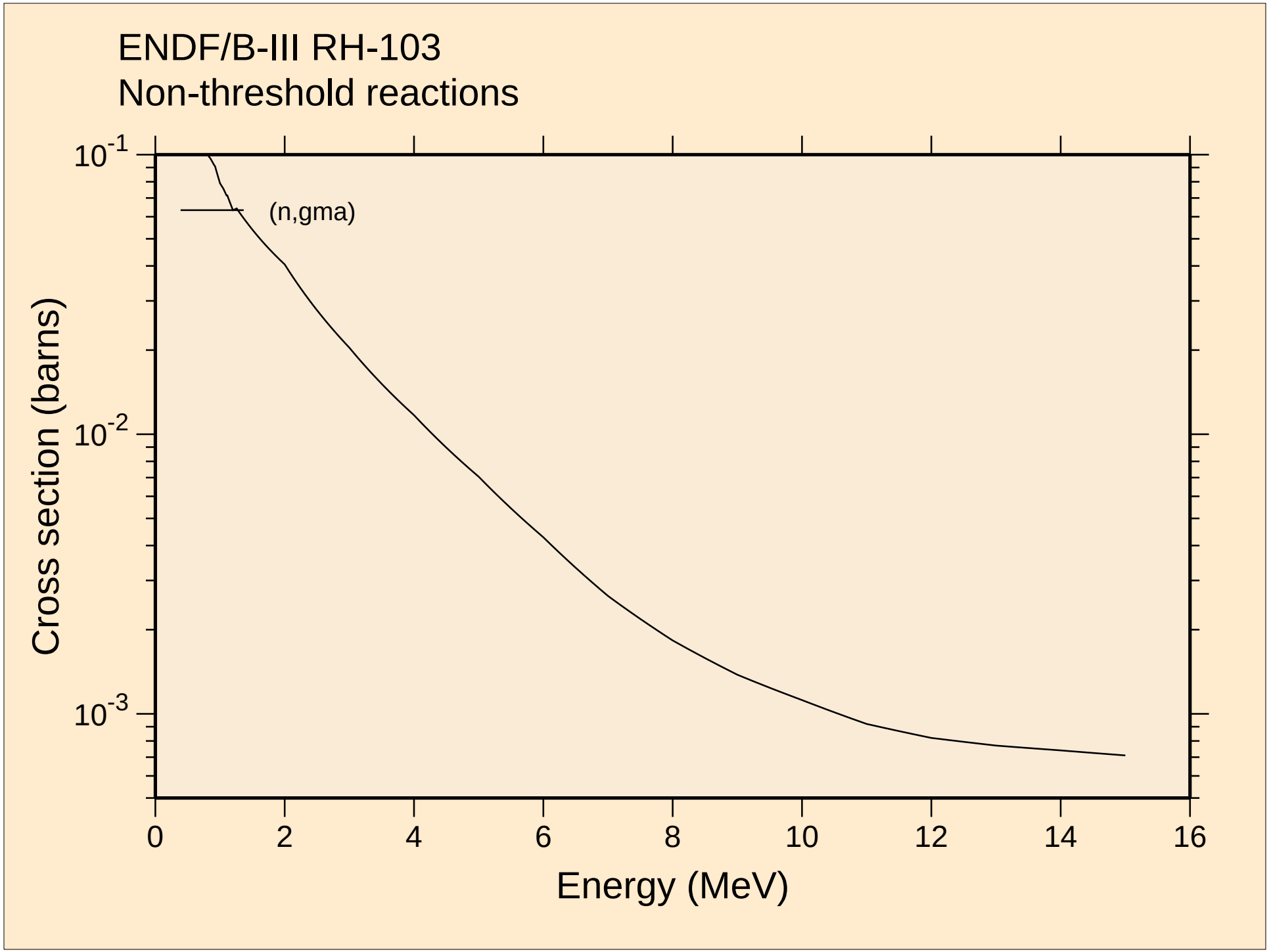

ENDF/B-III RH-103
UR total cross section
10^1
Inf. Dil.
100 b
1 b
Cross section (barns)
10^{-2}
Energy (MeV)

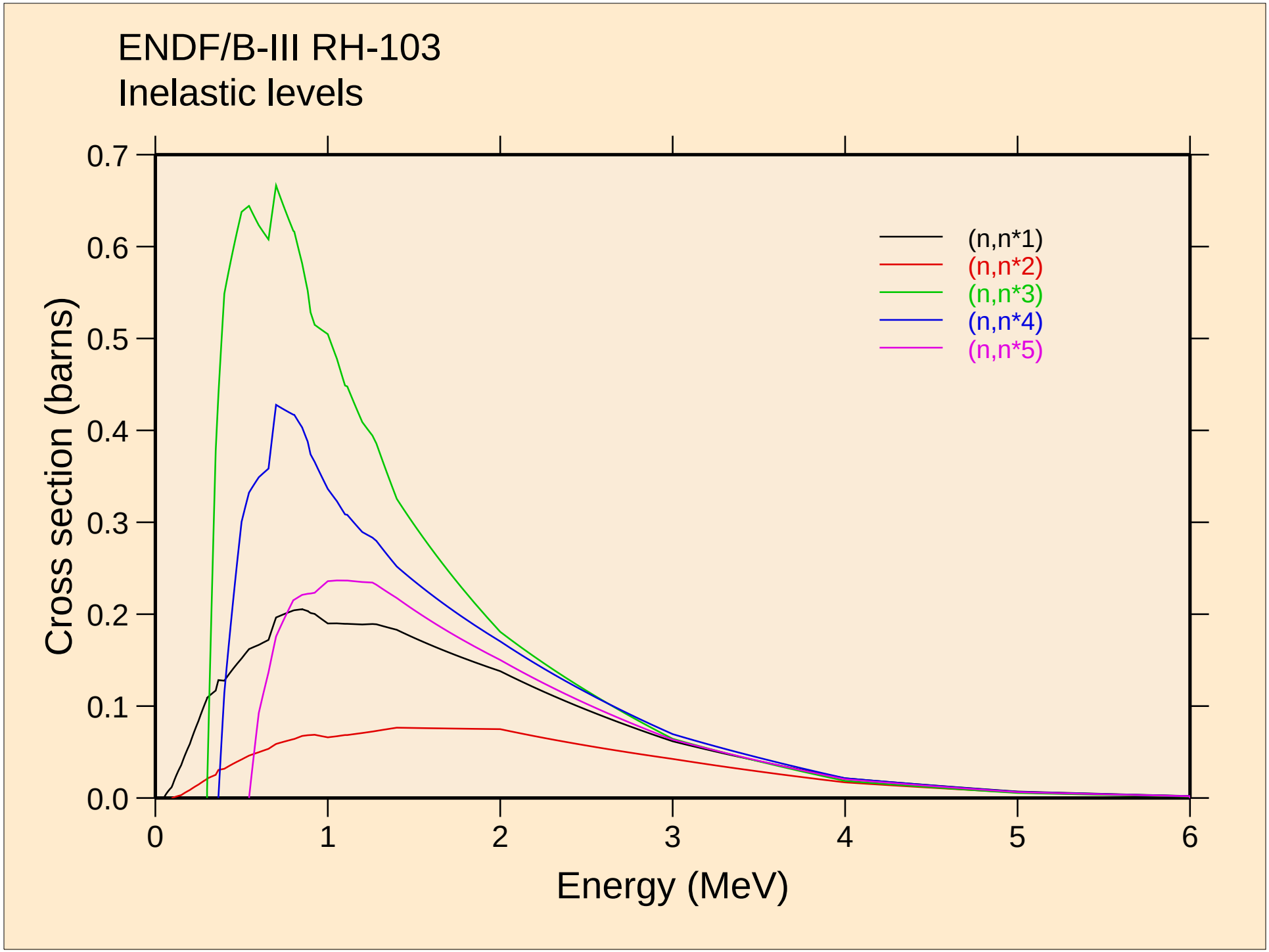

ENDF/B-III RH-103
UR elastic cross section
10^1
Inf. Dil.
100 b
1 b
Cross section (barns)
10^{-2}
Energy (MeV)

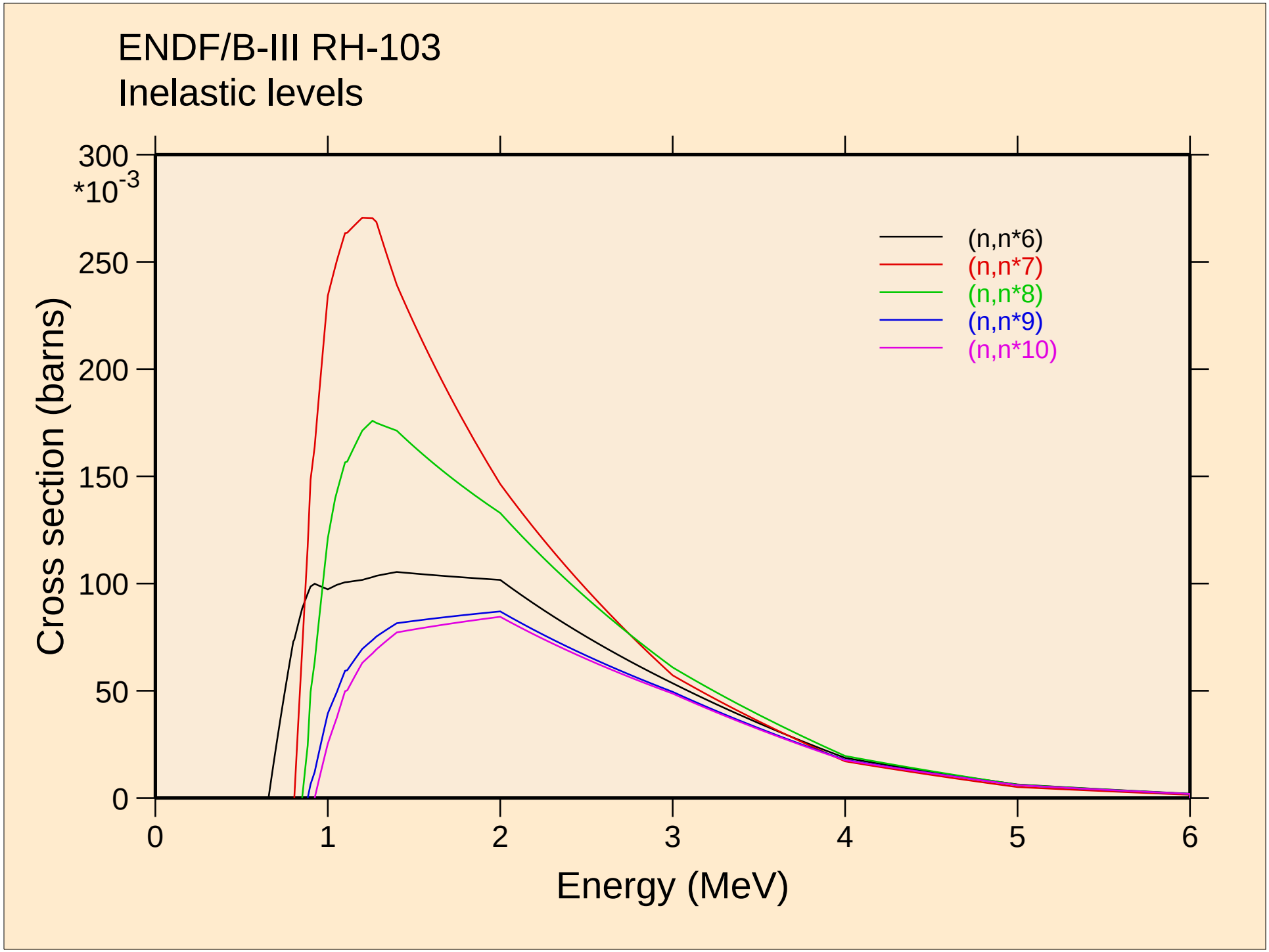

ENDF/B-III RH-103
UR capture cross section
Inf. Dil.
100 b
1 b
Cross section (barns)
10^0
10^-2
Energy (MeV)

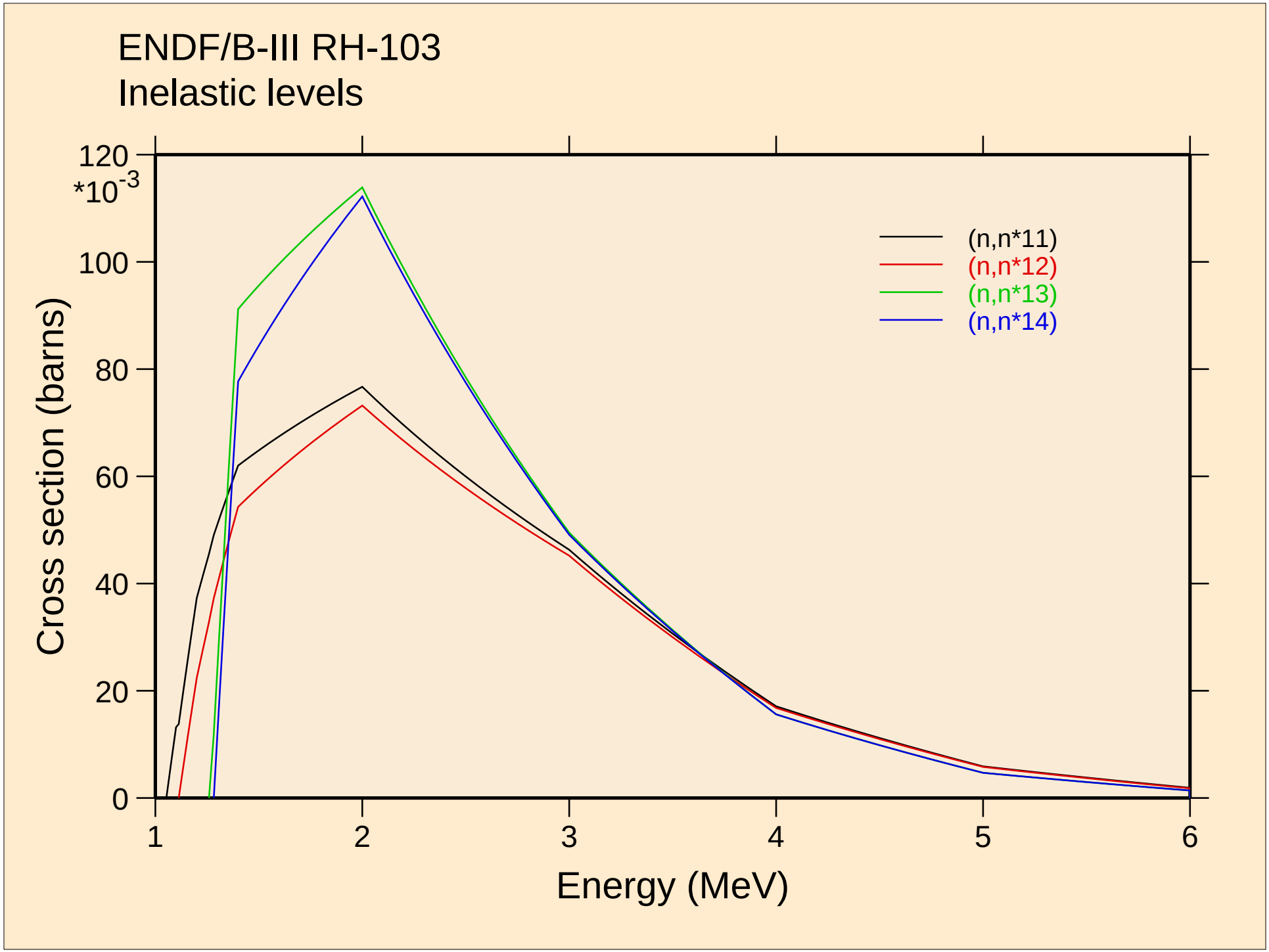

ENDF/B-III RH-103
Non-threshold reactions
(n,gma)
Cross section (barns)
10^{4}
10^{3}
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-11} 10^{-10} 10^{-9} 10^{-8} 10^{-7} 10^{-6} 10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1}
Energy (MeV)

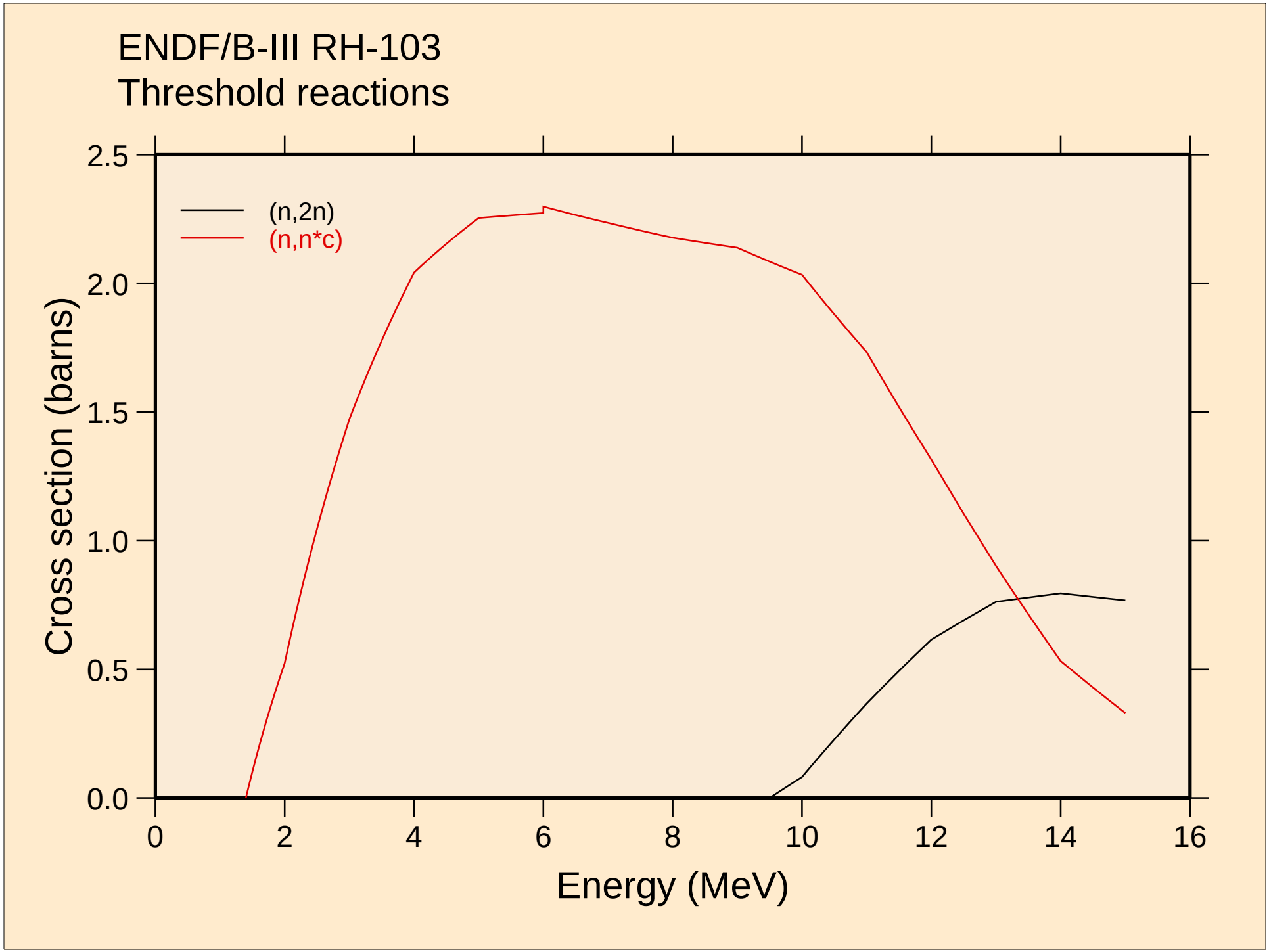

ENDF/B-III RH-103
Principal cross sections
Cross section (barns)
Energy (MeV)
total
absorption
elastic
0
1
2
3
4
5
6
2
4
6
8
10
12
14
16

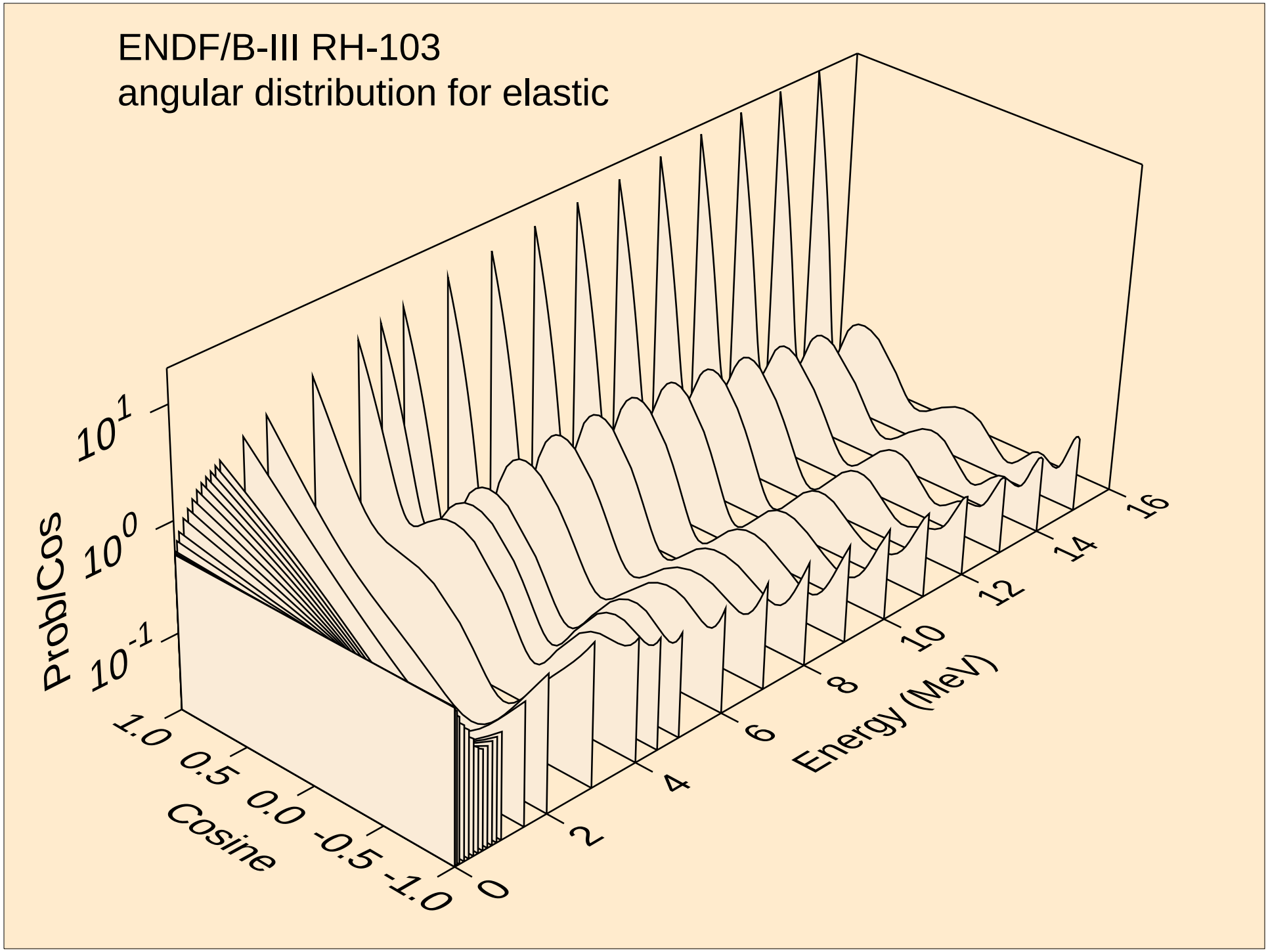

ENDF/B-III RH-103
Non-threshold reactions
(n,gma)
Cross section (barns)
10-1
10-2
10-3
0
2
4
6
8
10
12
14
16
Energy (MeV)

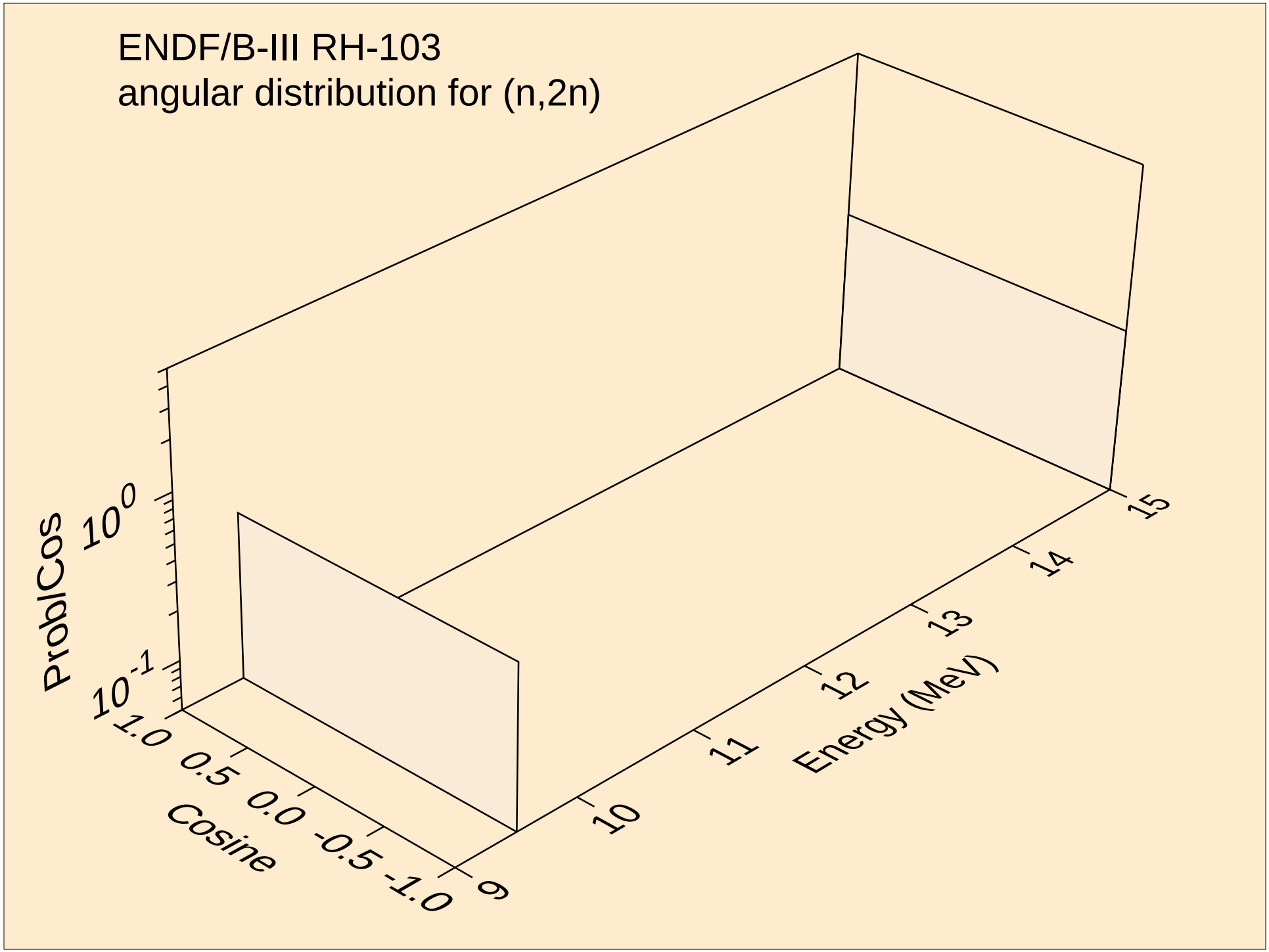

ENDF/B-III RH-103
Inelastic levels
Cross section (barns)
Energy (MeV)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
1
2
3
4
5
6
(n,n*1)
(n,n*2)
(n,n*3)
(n,n*4)
(n,n*5)

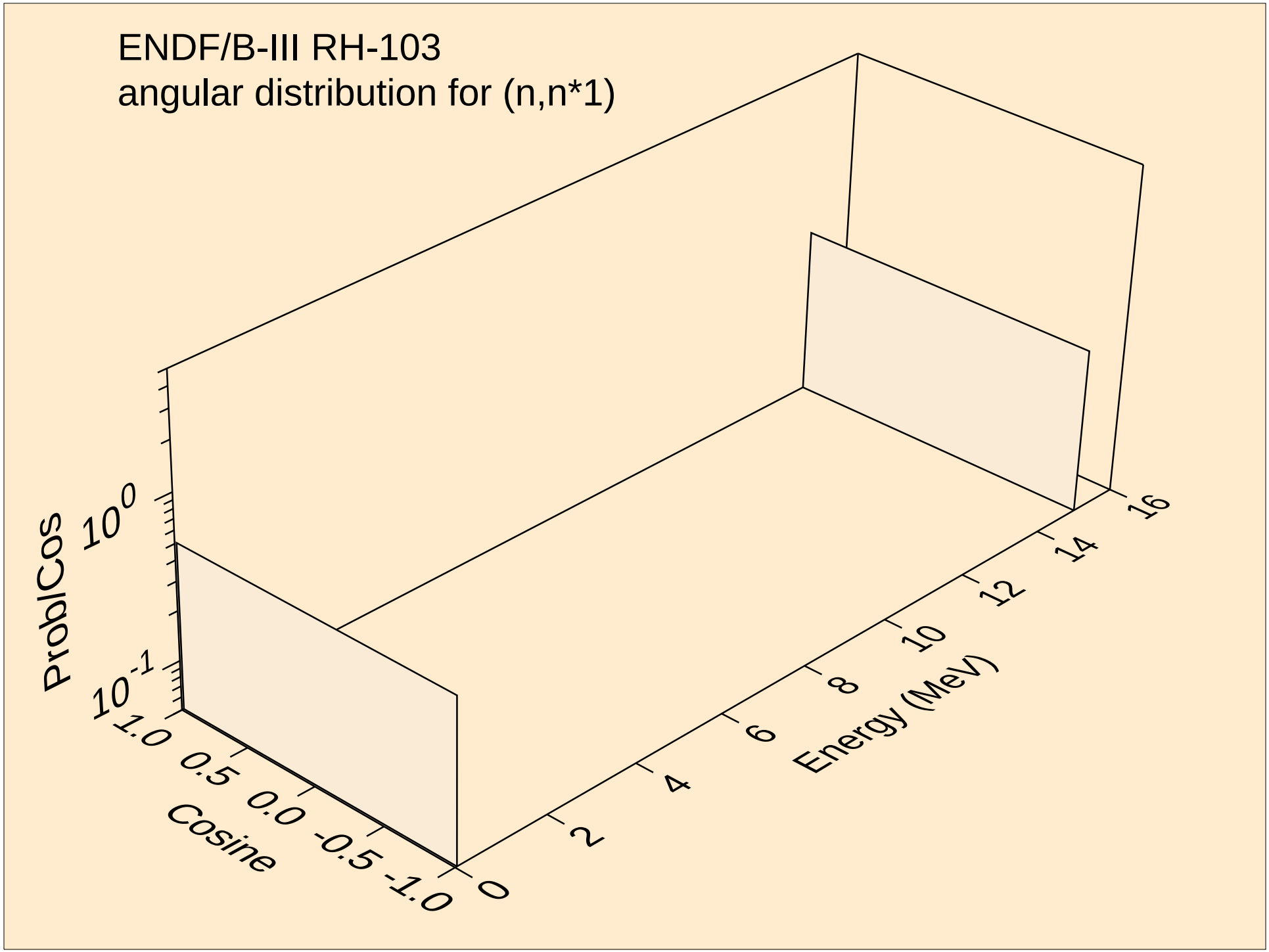

ENDF/B-III RH-103
Inelastic levels
300
*10-3
250
200
150
100
50
0
Cross section (barns)
0
1
2
3
4
5
6
Energy (MeV)
(n,n*6)
(n,n*7)
(n,n*8)
(n,n*9)
(n,n*10)

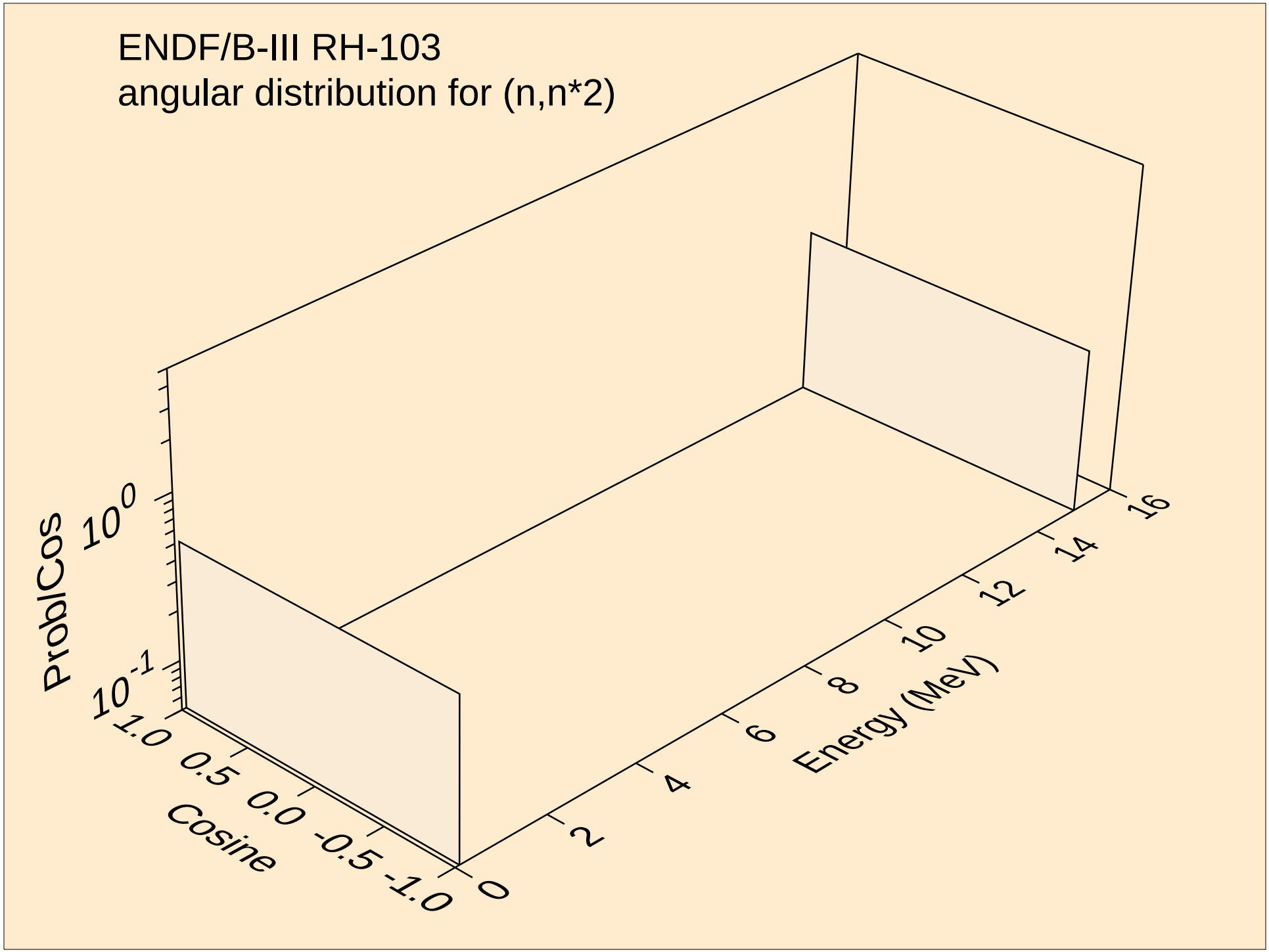

ENDF/B-III RH-103
Inelastic levels
120
*10-3
100
80
60
40
20
0
Cross section (barns)
1
2
3
4
5
6
Energy (MeV)
(n,n*11)
(n,n*12)
(n,n*13)
(n,n*14)

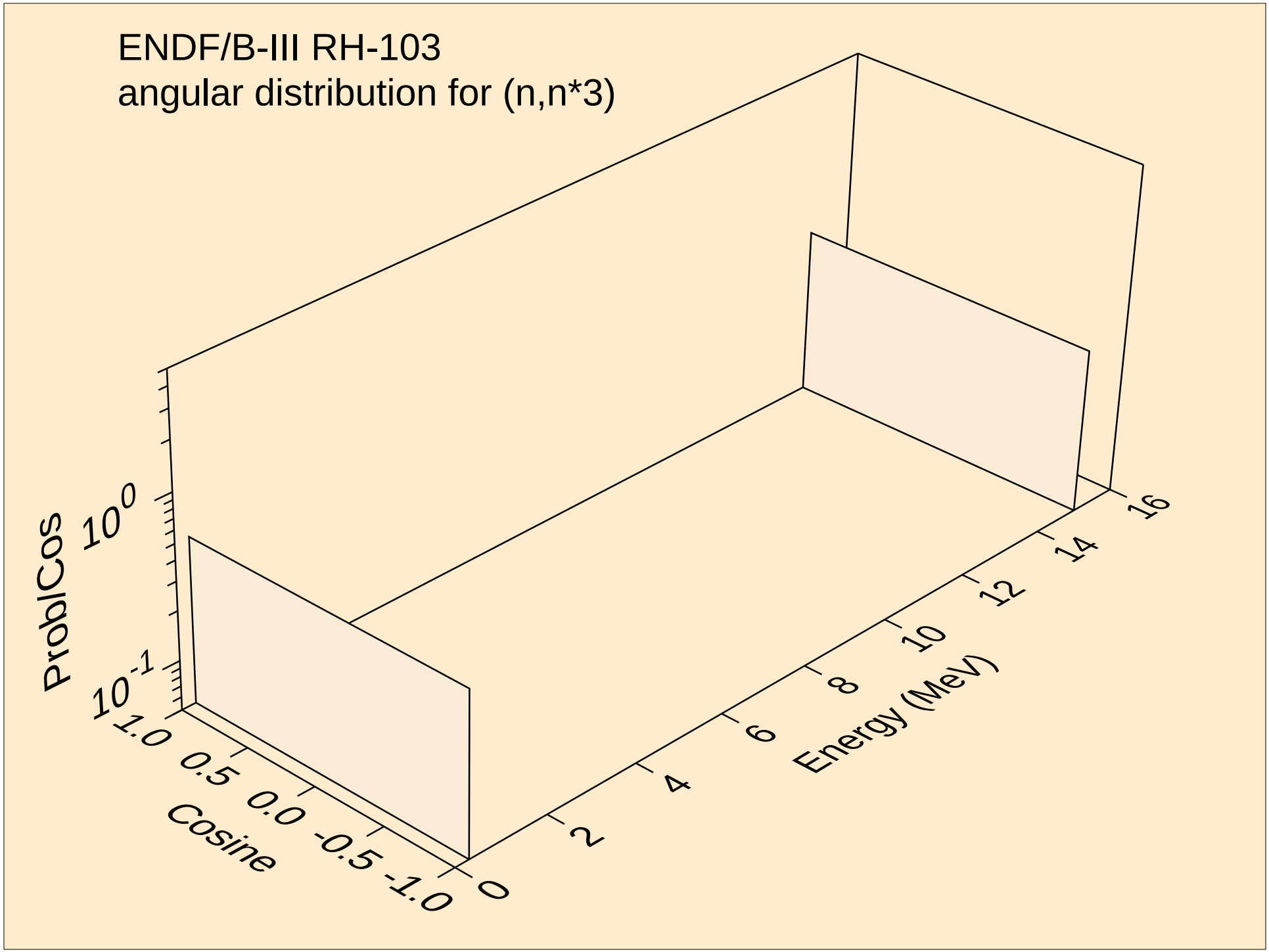

ENDF/B-III RH-103
Threshold reactions
(n,2n)
(n,n*c)
Cross section (barns)
Energy (MeV)
0.0
0.5
1.0
1.5
2.0
2.5
0
2
4
6
8
10
12
14
16

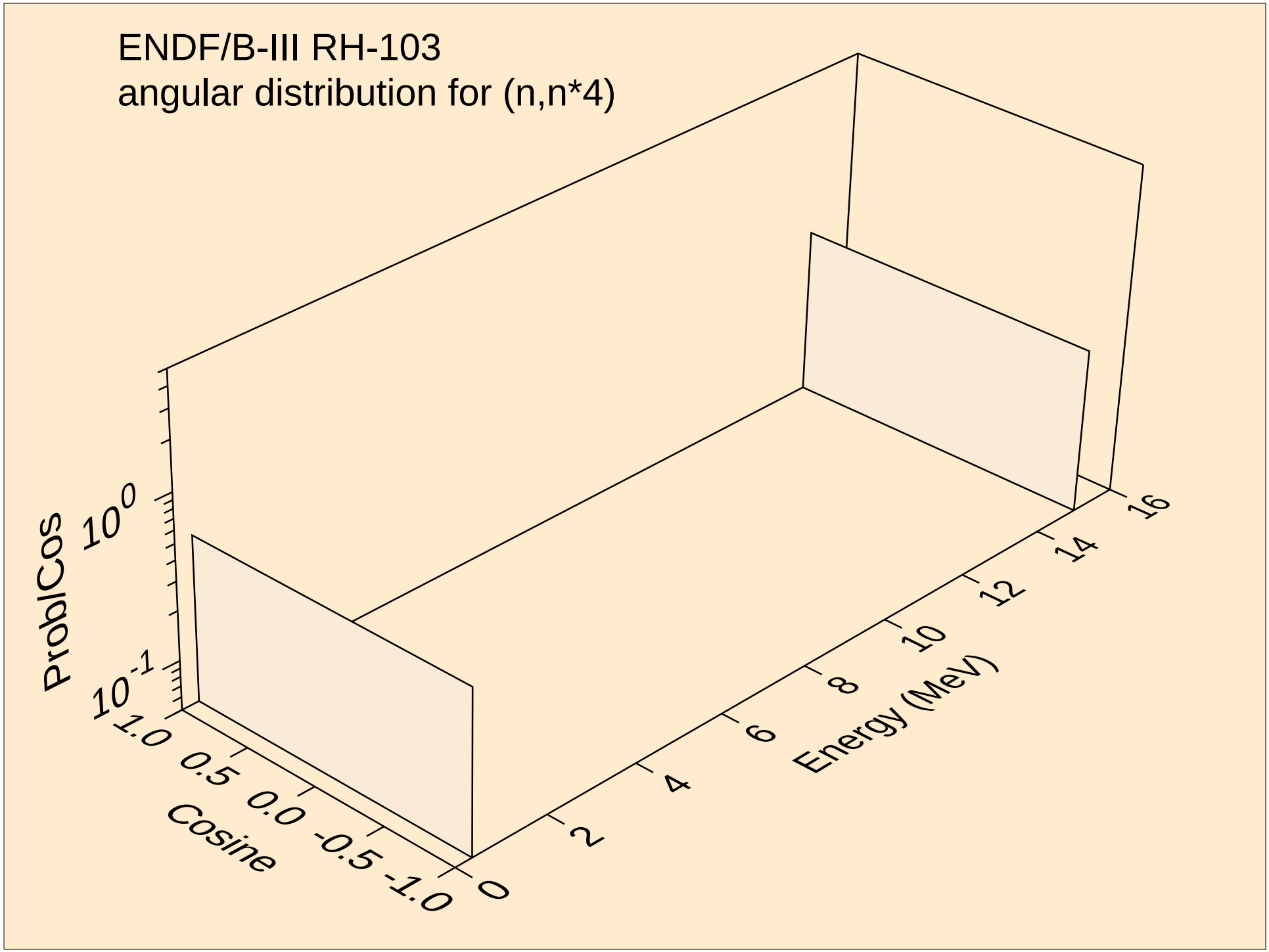

ENDF/B-III RH-103
angular distribution for elastic
ProbICos
10^{1}
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
Energy (MeV)

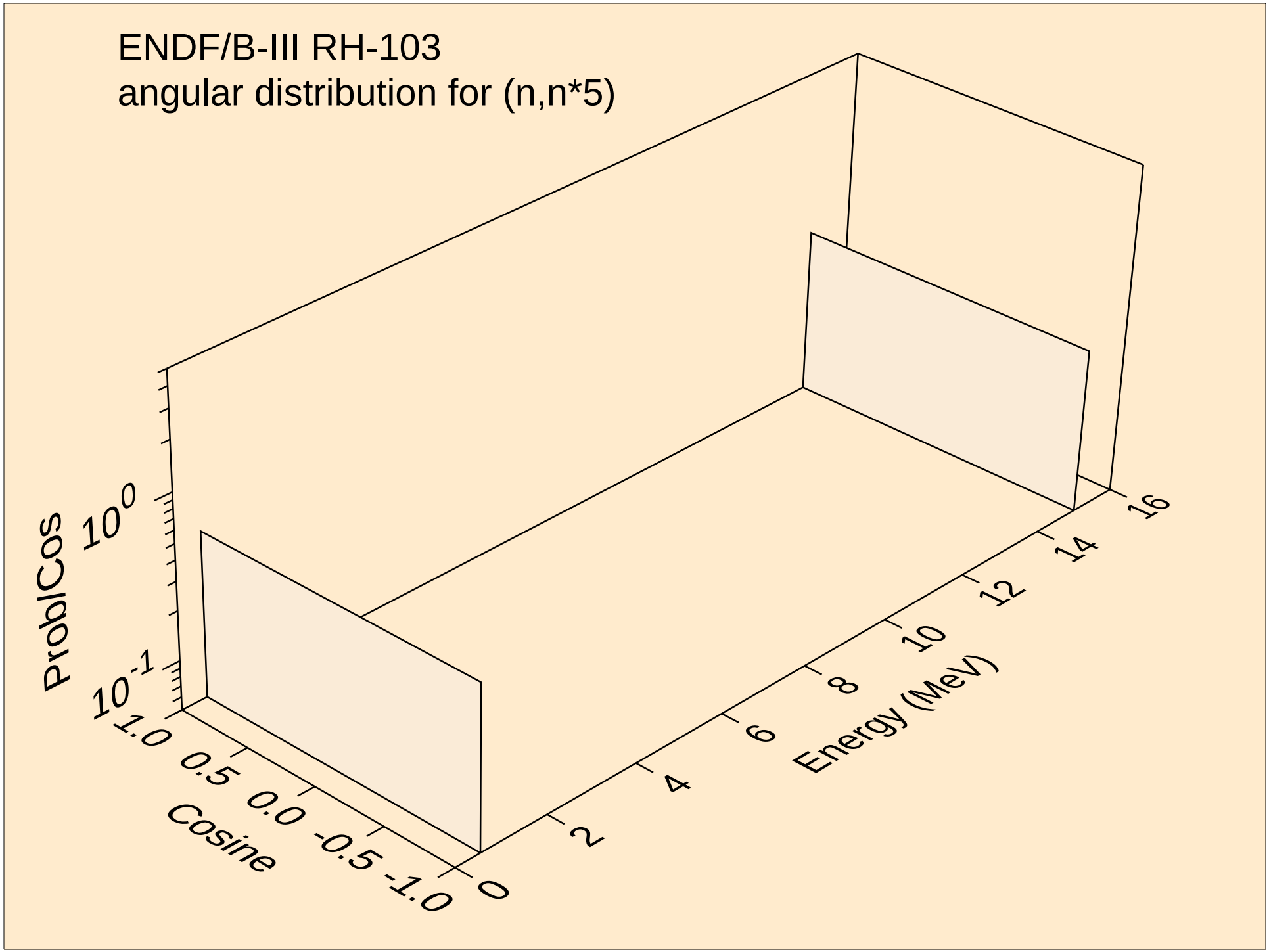

ENDF/B-III RH-103
angular distribution for (n,2n)
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
9
10
11
12
13
14
15
Energy (MeV)

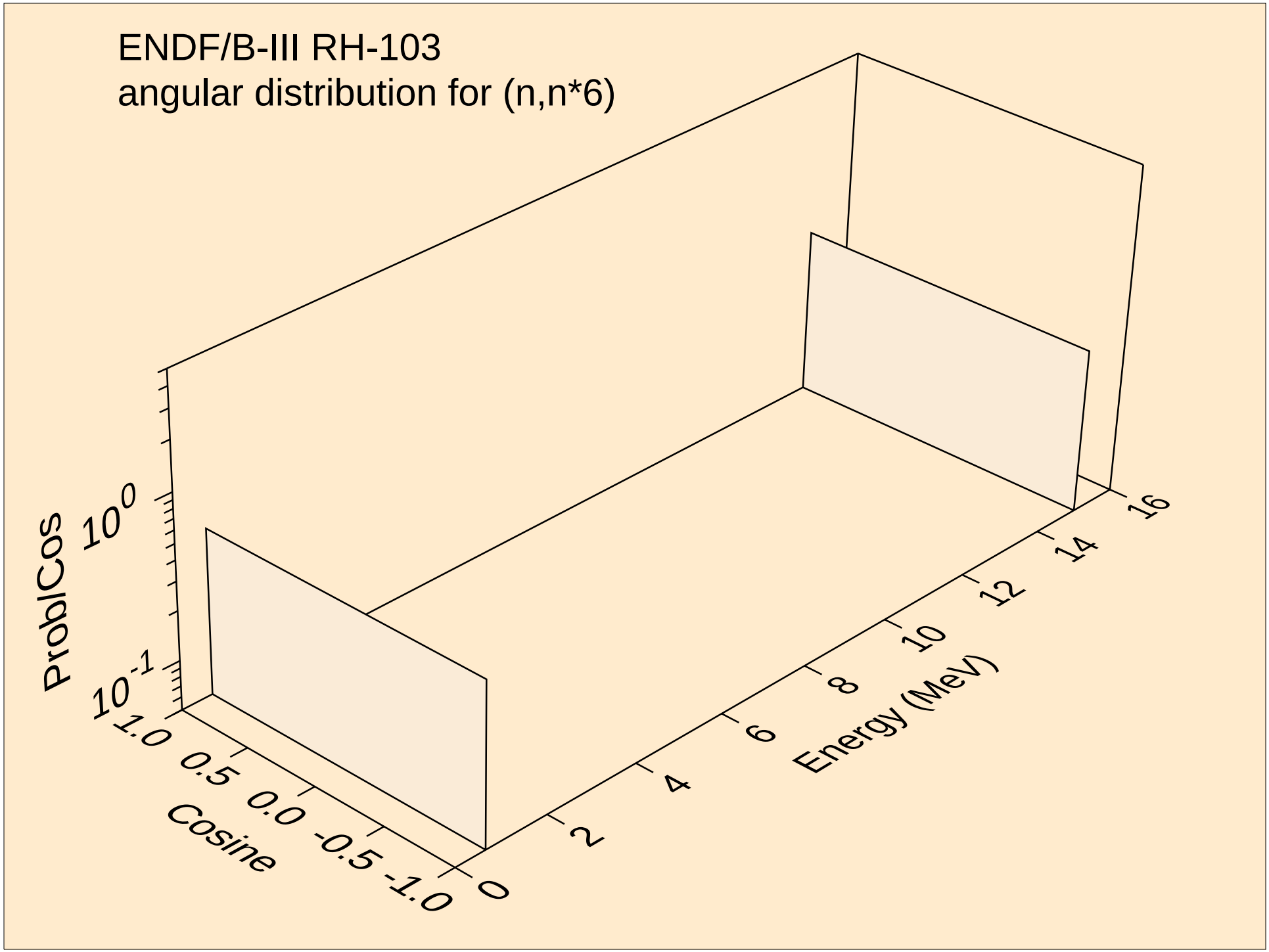

ENDF/B-III RH-103
angular distribution for (n,n*1)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
Energy (MeV)

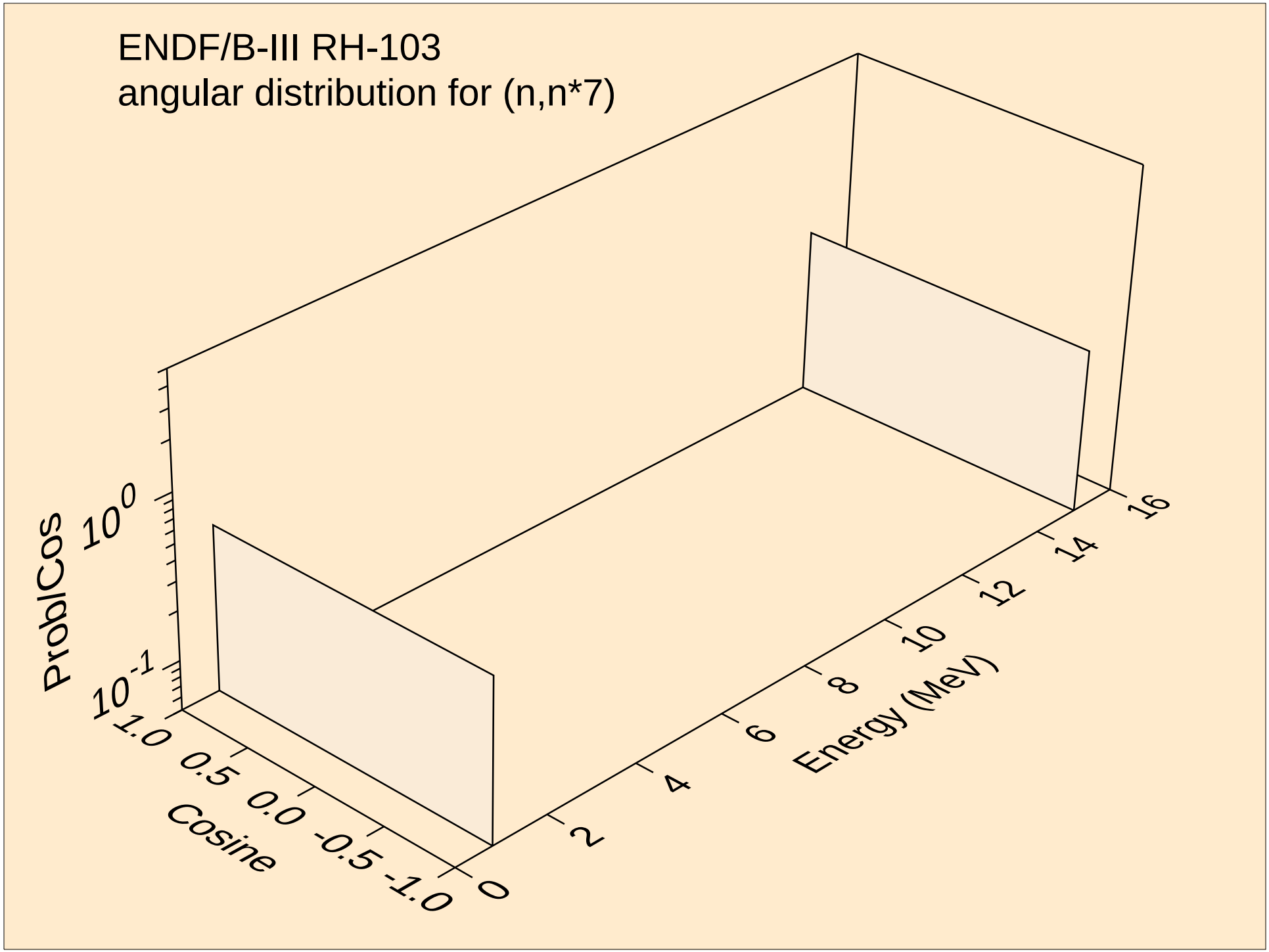

ENDF/B-III RH-103
angular distribution for (n,n*2)
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
Energy (MeV)

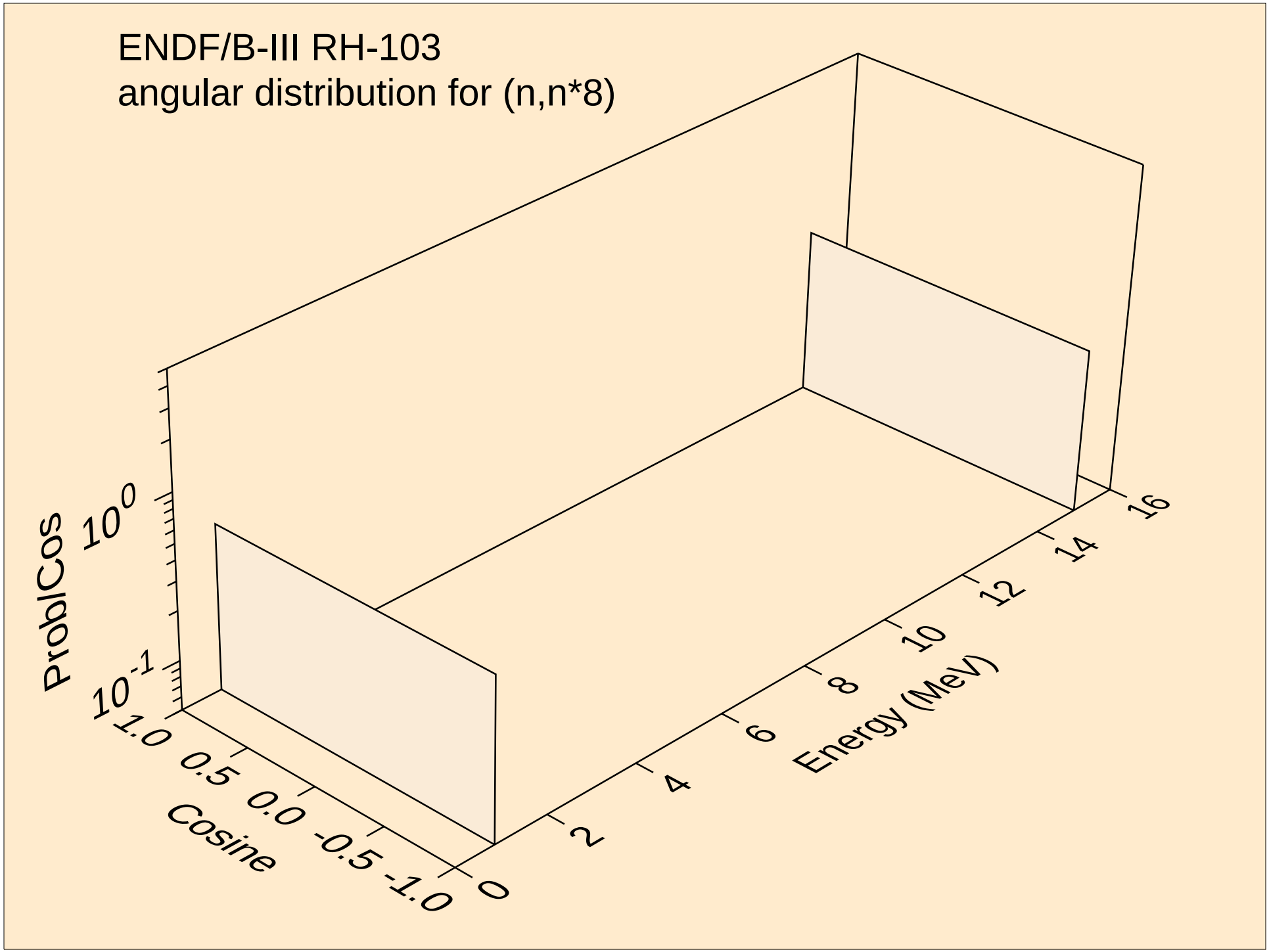

ENDF/B-III RH-103
angular distribution for (n,n*3)
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
Energy (MeV)

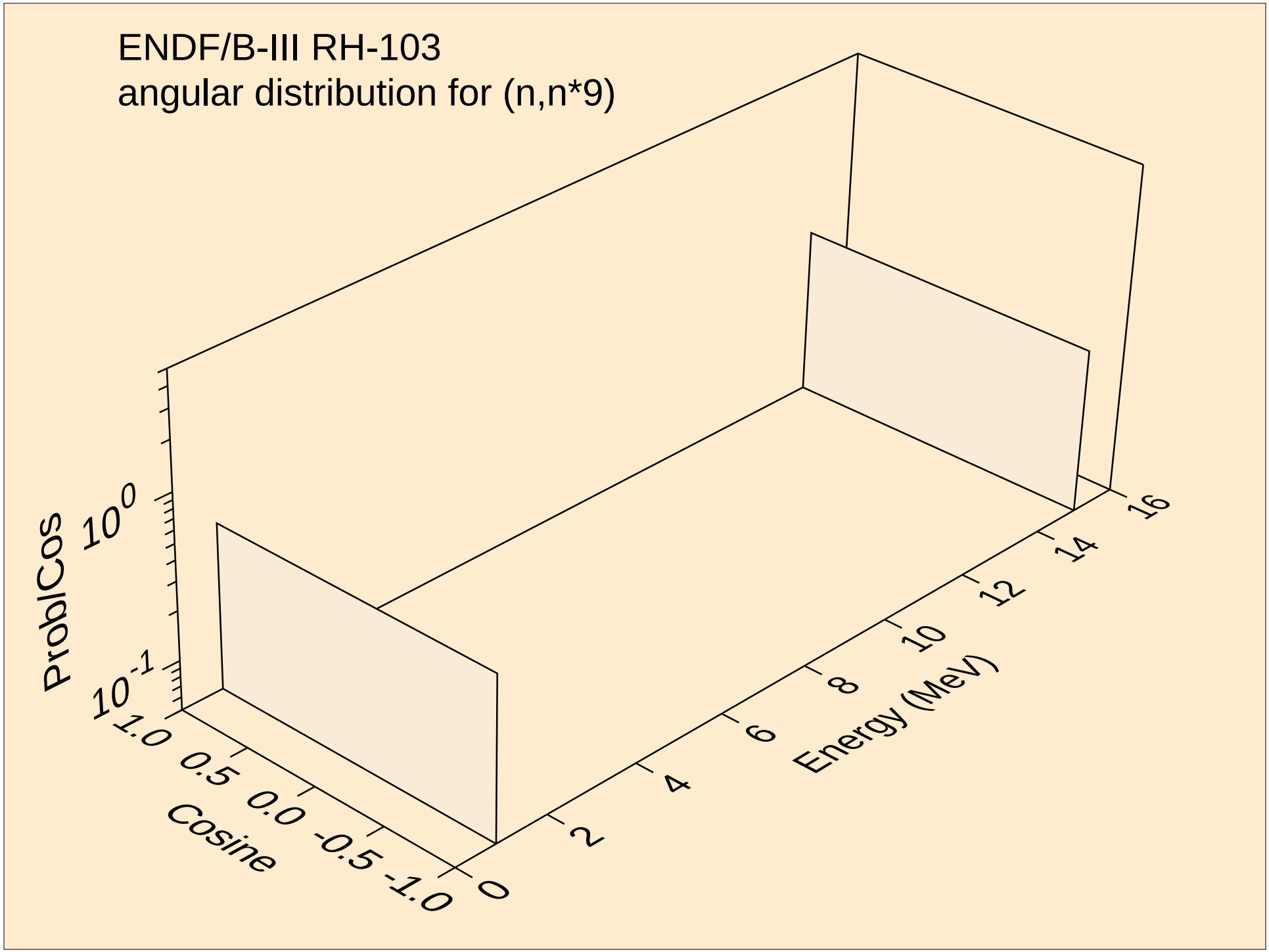

ENDF/B-III RH-103
angular distribution for (n,n*4)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
Energy (MeV)

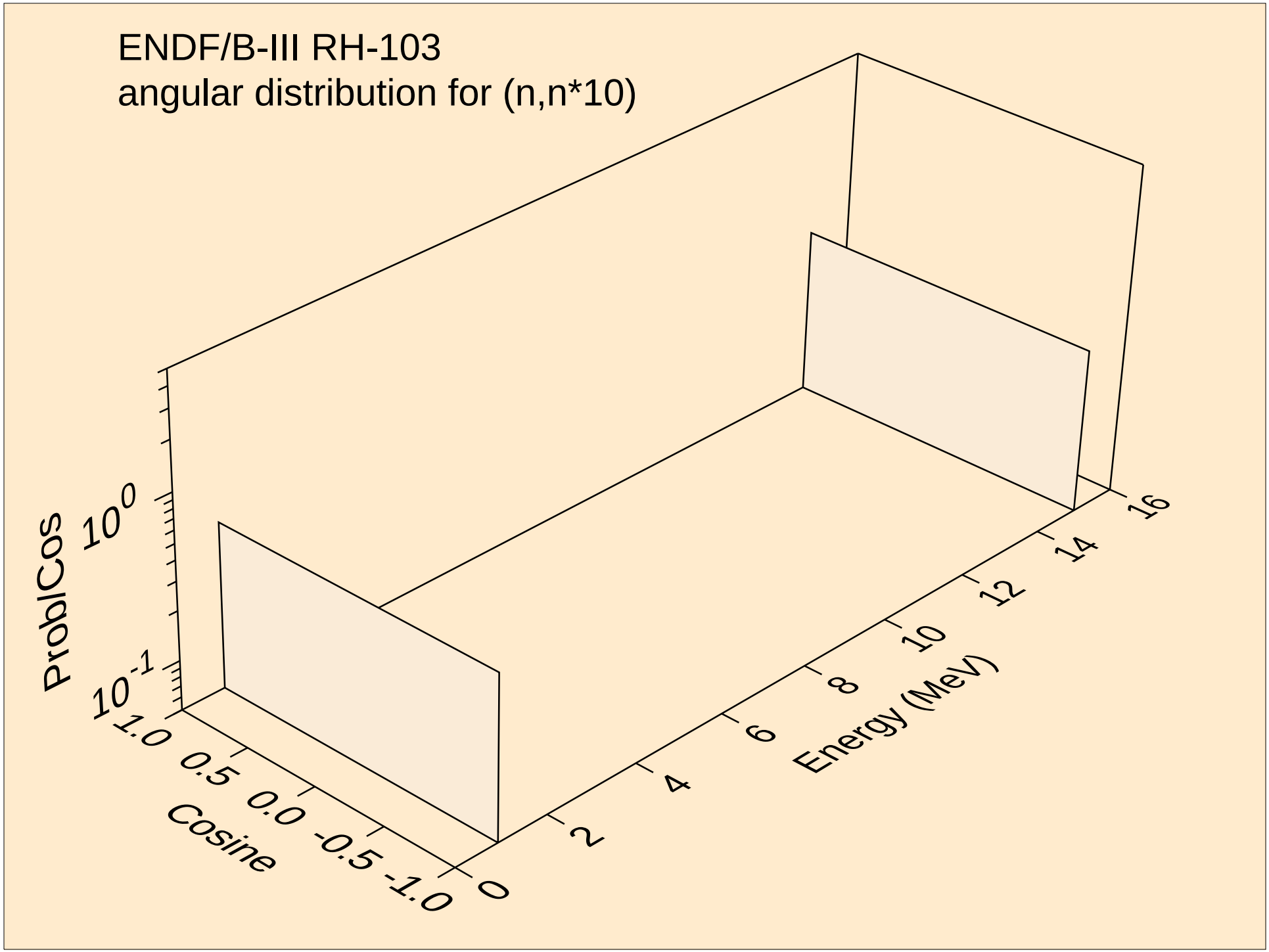

ENDF/B-III RH-103
angular distribution for (n,n*5)
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
Energy (MeV)

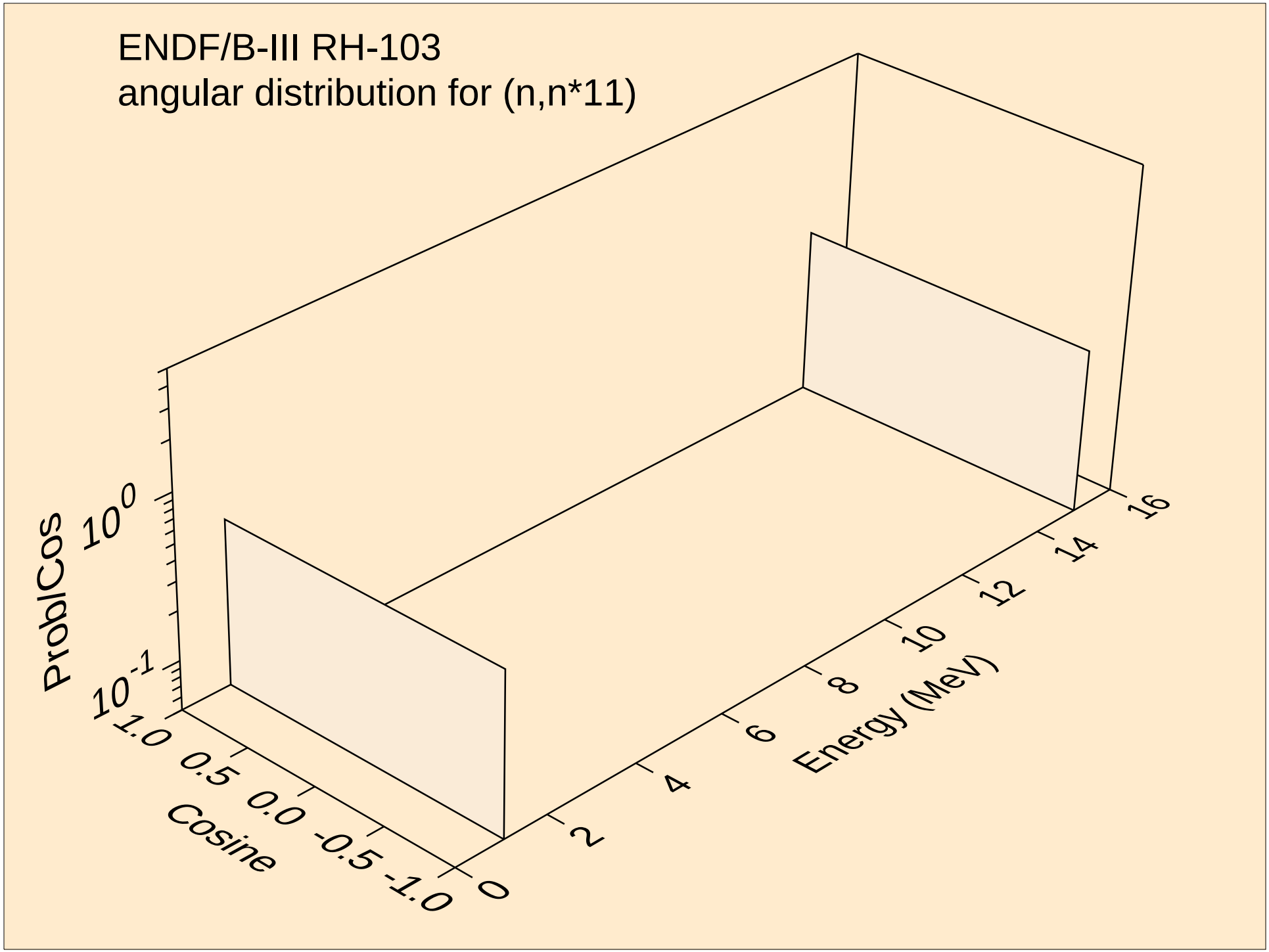

ENDF/B-III RH-103
angular distribution for (n,n*6)
ProbICos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
Energy (MeV)

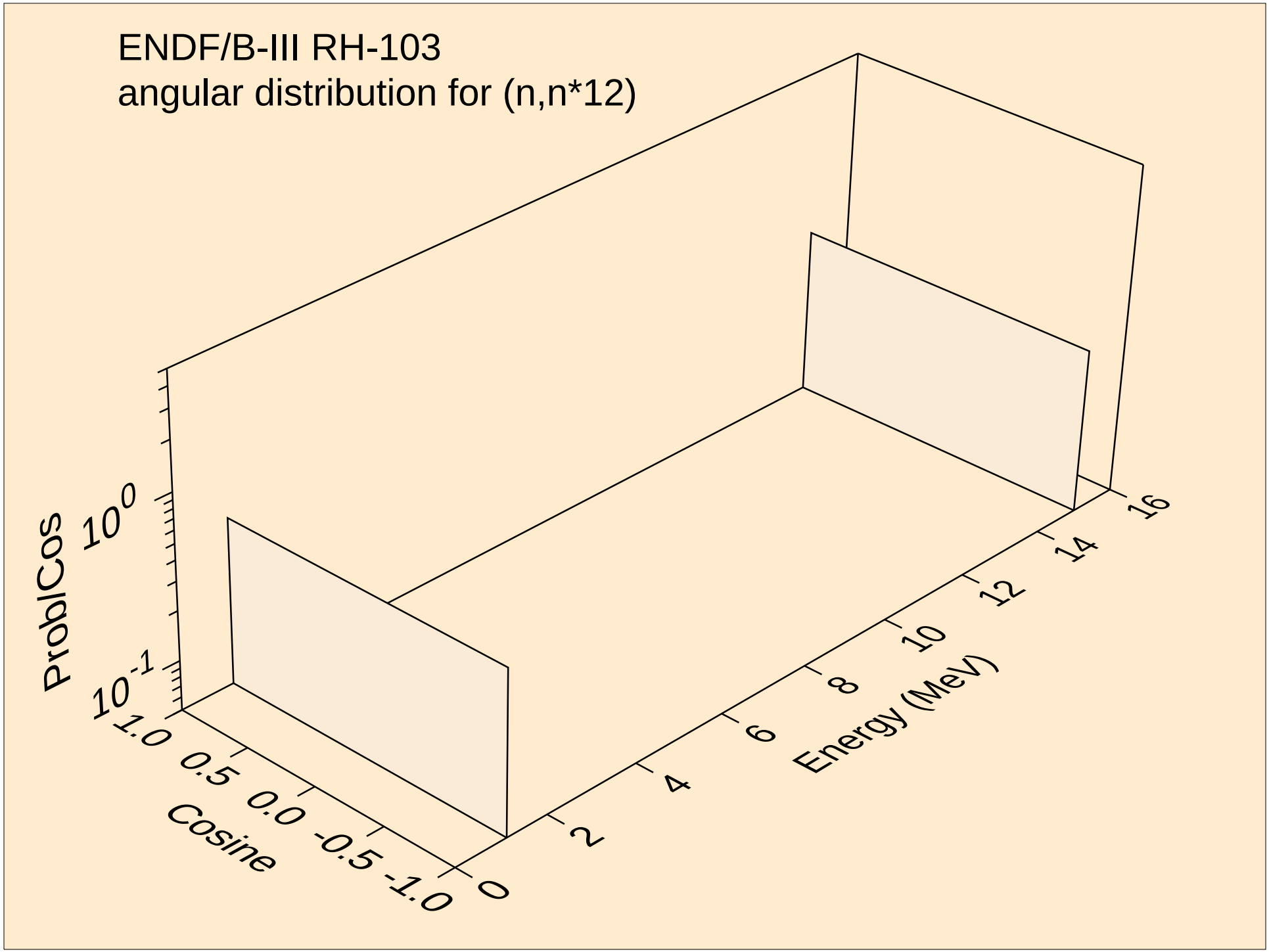

ENDF/B-III RH-103
angular distribution for (n,n*7)
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
Energy (MeV)

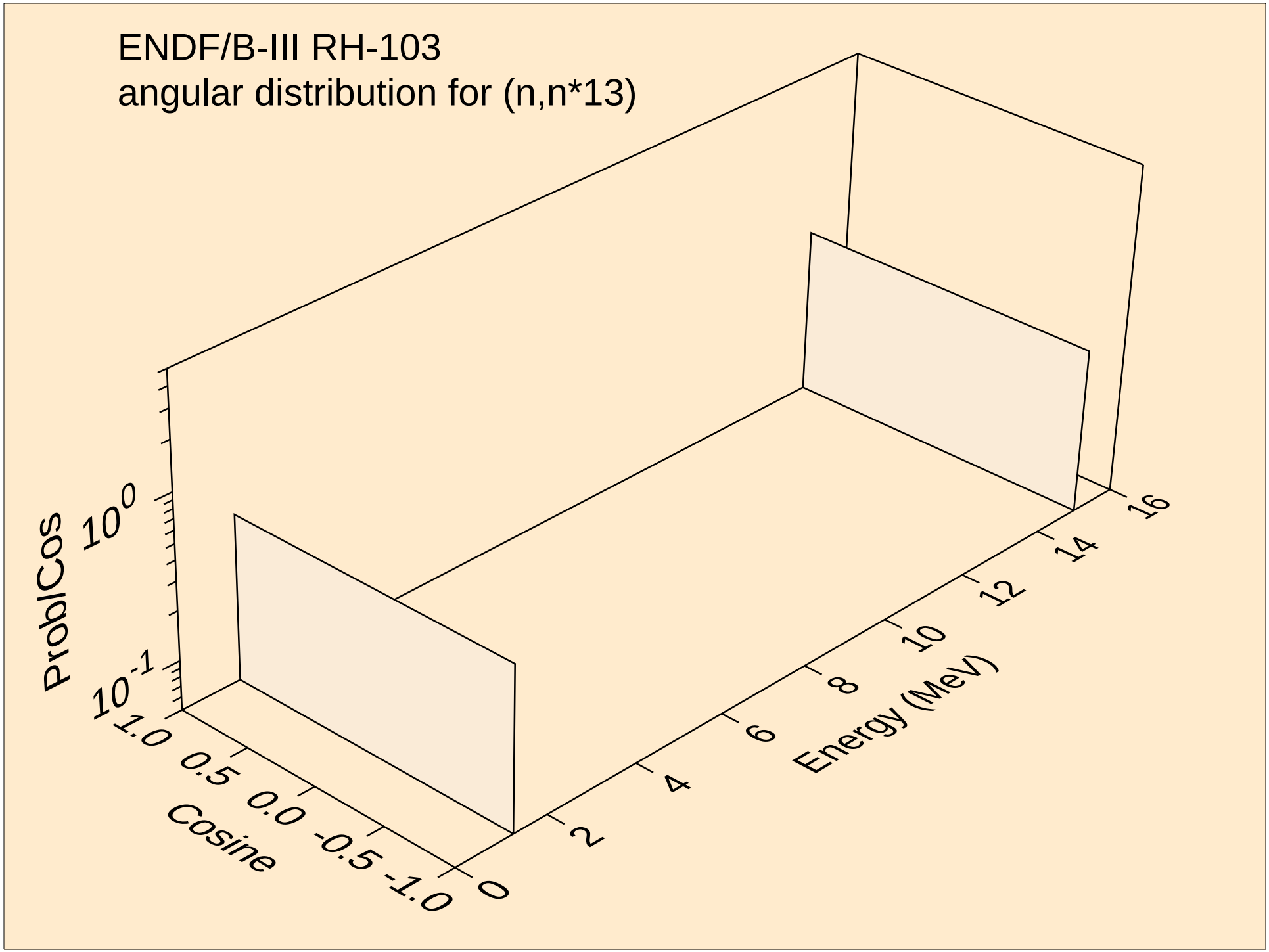

ENDF/B-III RH-103
angular distribution for (n,n*8)
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
Energy (MeV)

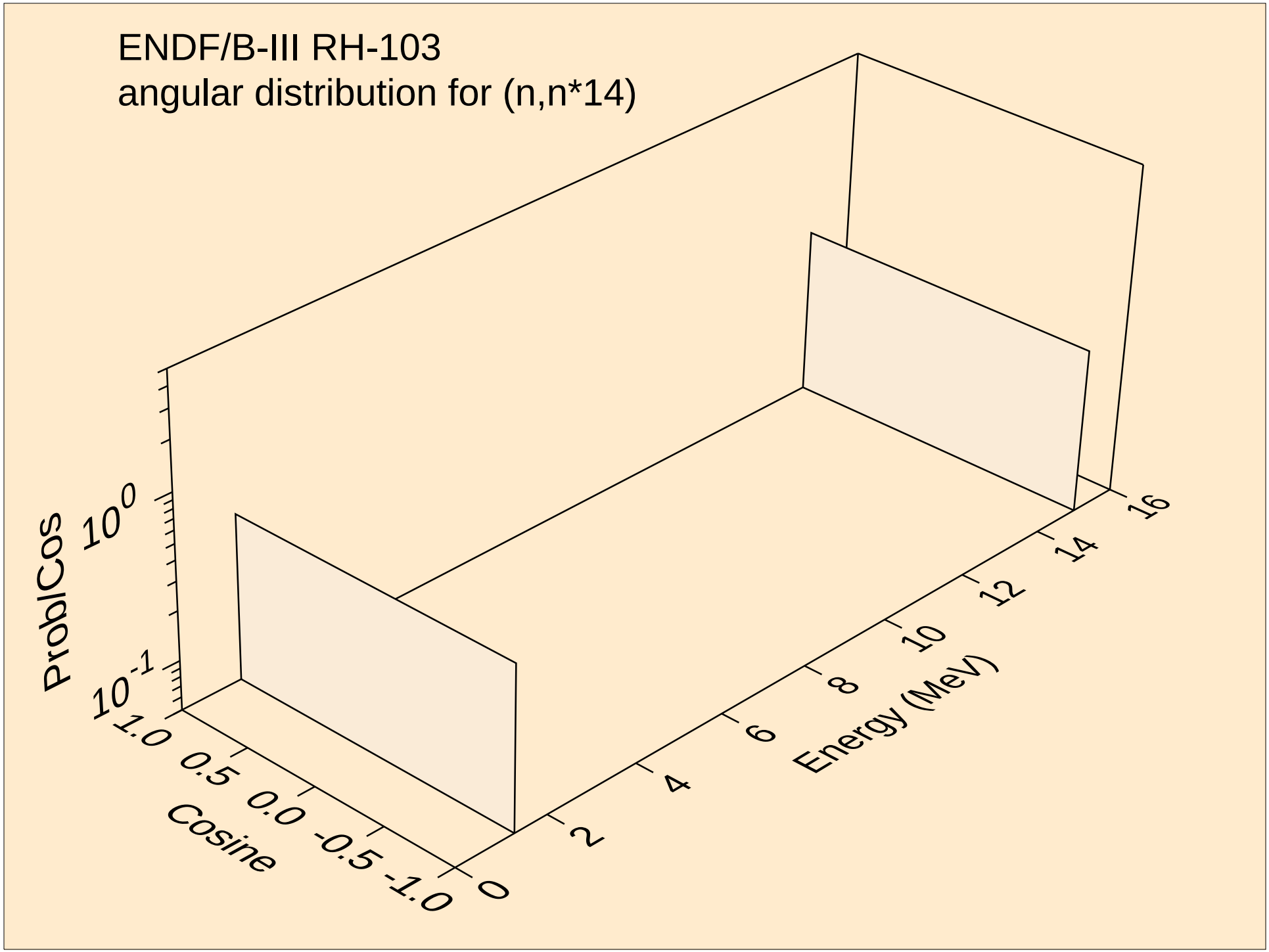

ENDF/B-III RH-103
angular distribution for (n,n*9)
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
Energy (MeV)

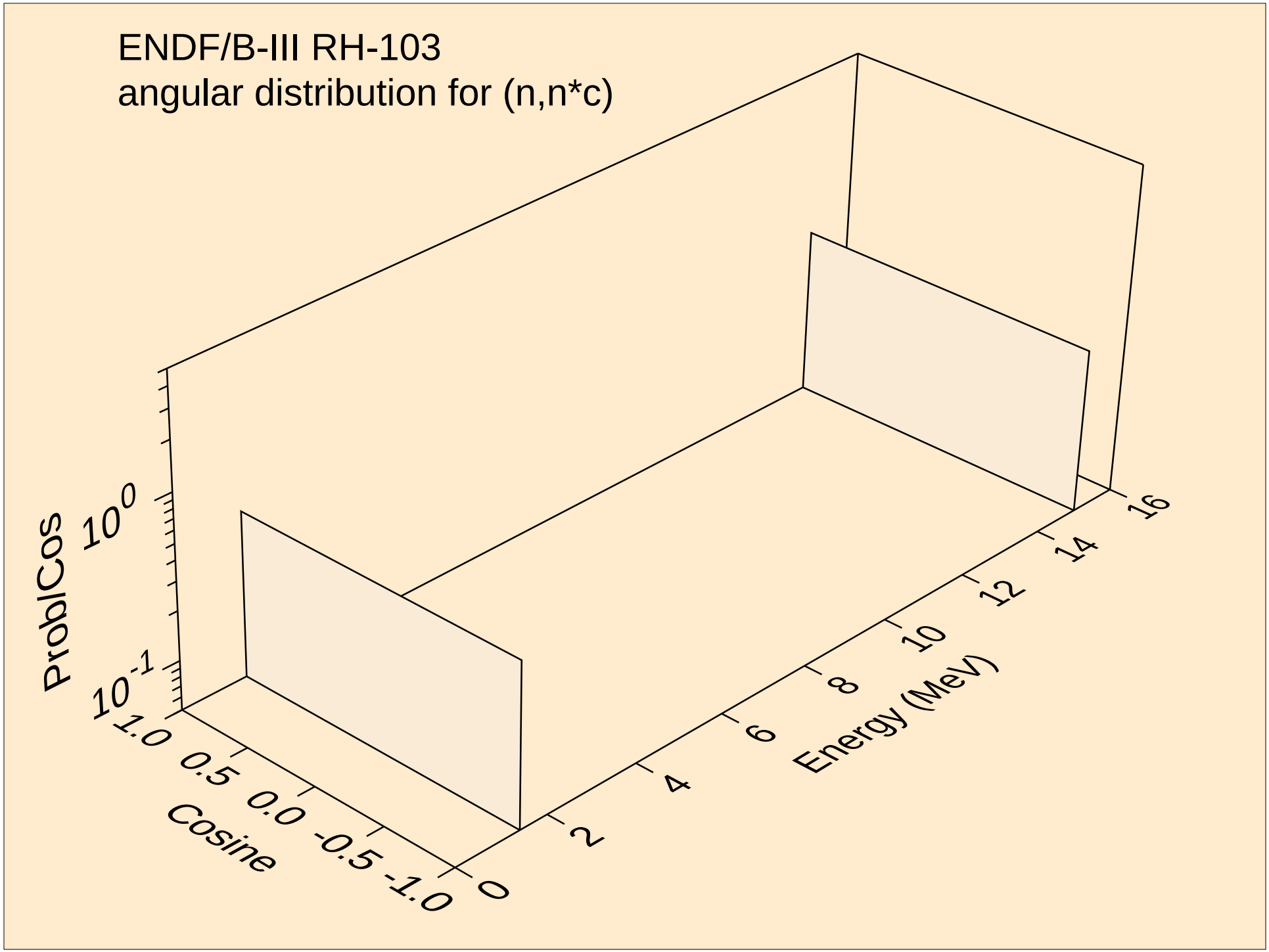

ENDF/B-III RH-103
angular distribution for (n,n*10)
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
Energy (MeV)


ENDF/B-III RH-103
angular distribution for (n,n*11)
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
Energy (MeV)


ENDF/B-III RH-103
angular distribution for (n,n*12)
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
Energy (MeV)


ENDF/B-III RH-103
angular distribution for (n,n*13)
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
Energy (MeV)


ENDF/B-III RH-103
angular distribution for (n,n*14)
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
Energy (MeV)


ENDF/B-III RH-103
angular distribution for (n,n*c)
Prob\Cos
10^{0}
10^{-1}
1.0
0.5
0.0
-0.5
-1.0
Cosine
0
2
4
6
8
10
12
14
16
Energy (MeV)