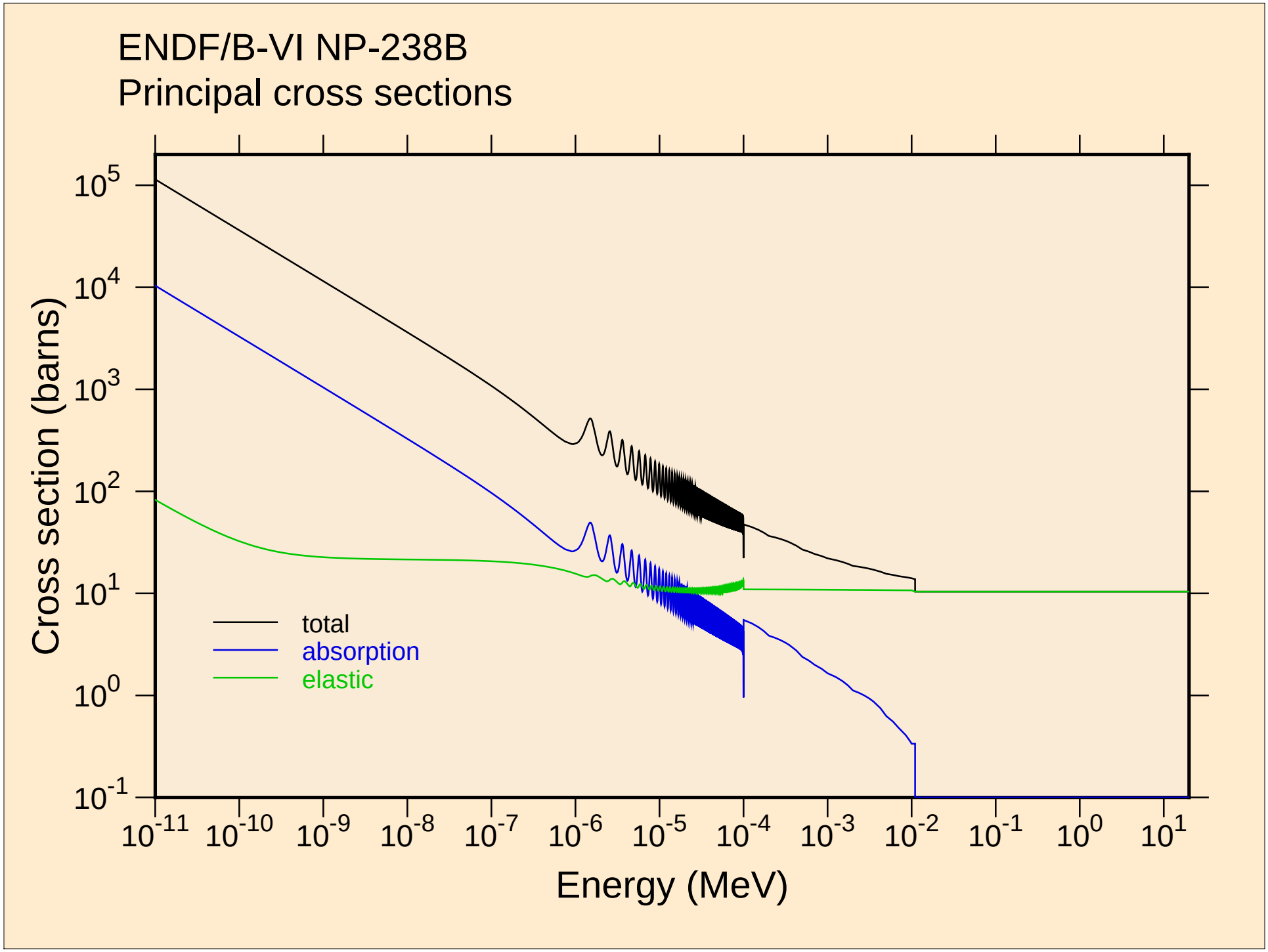
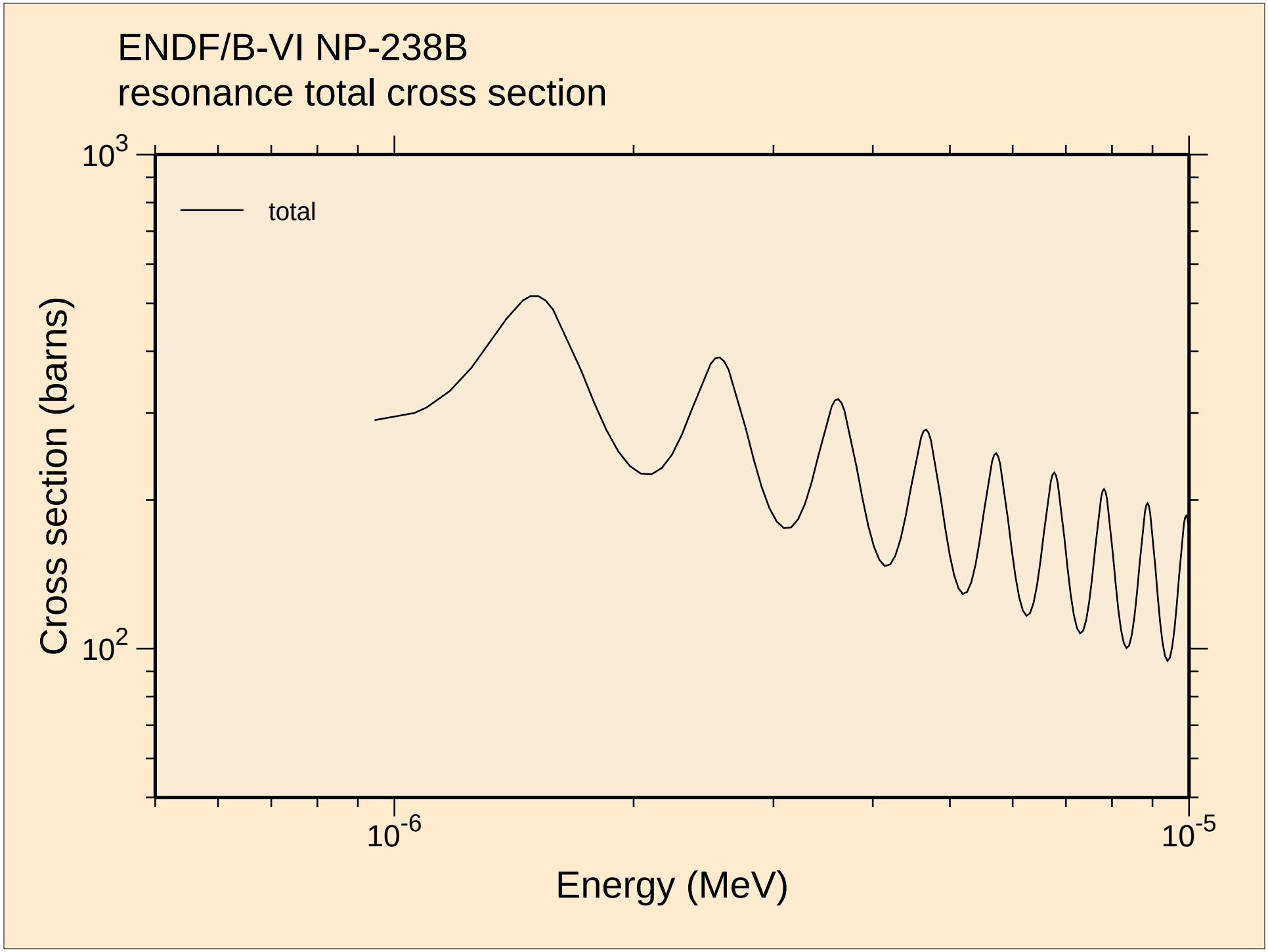
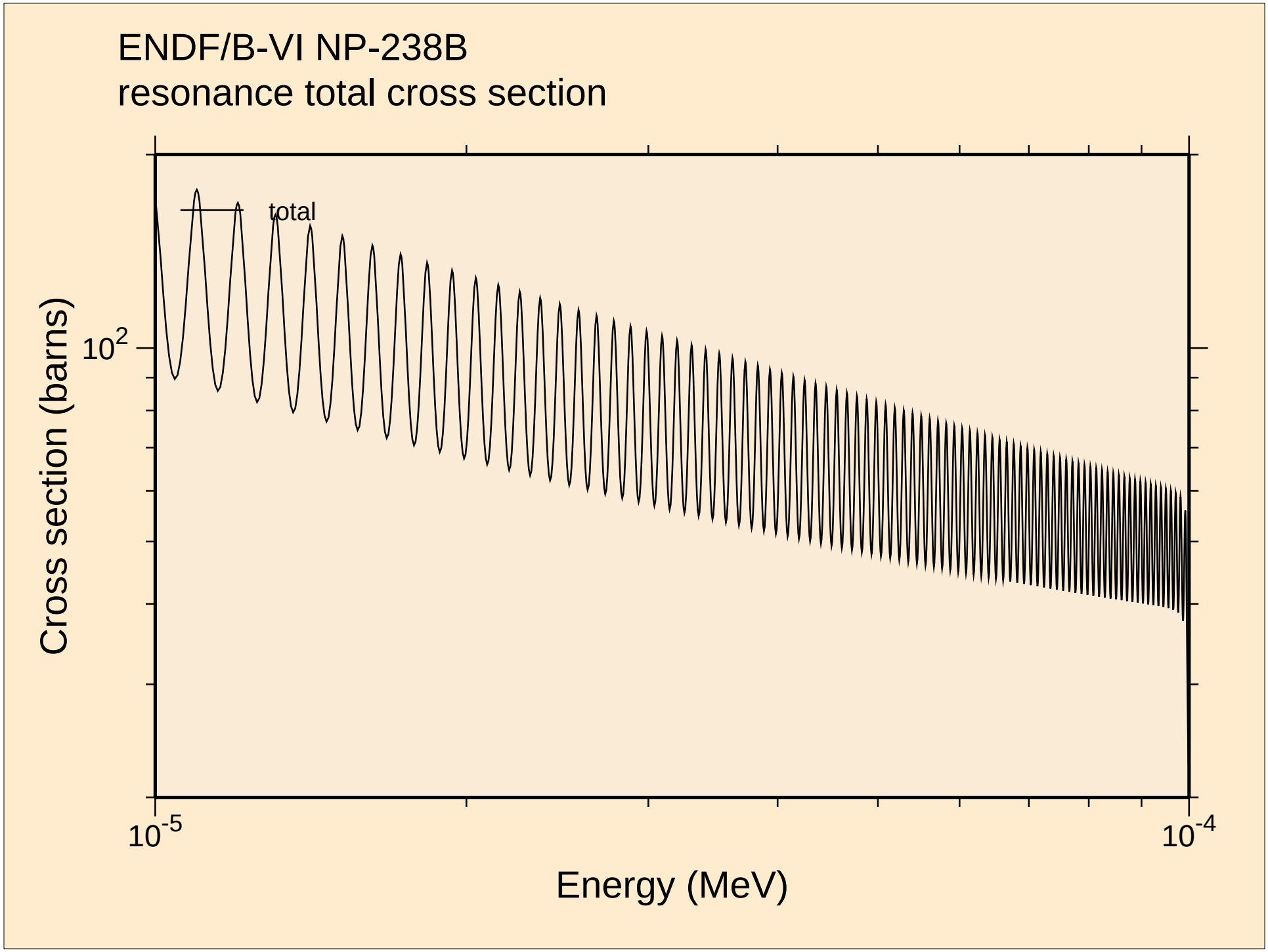
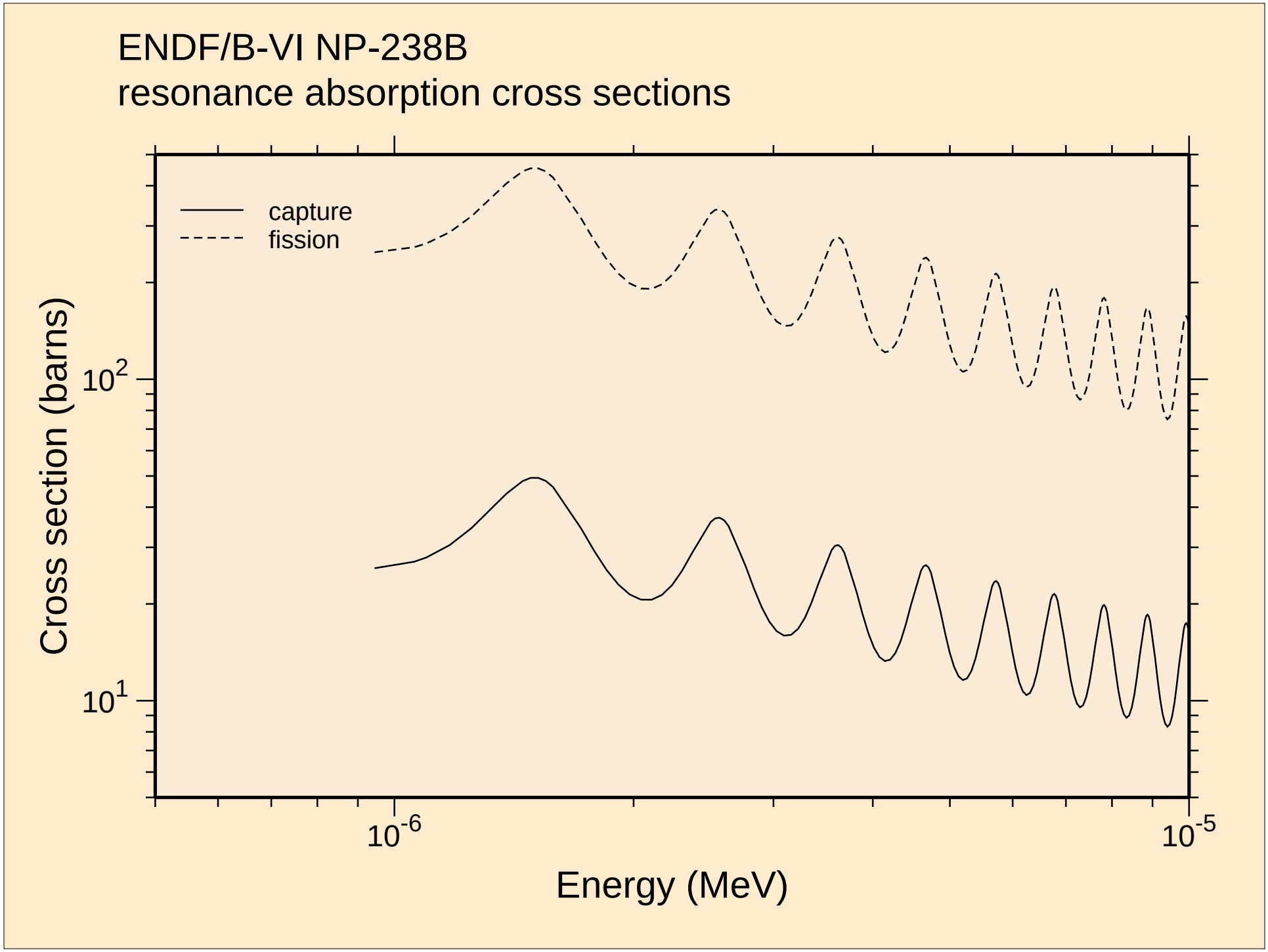
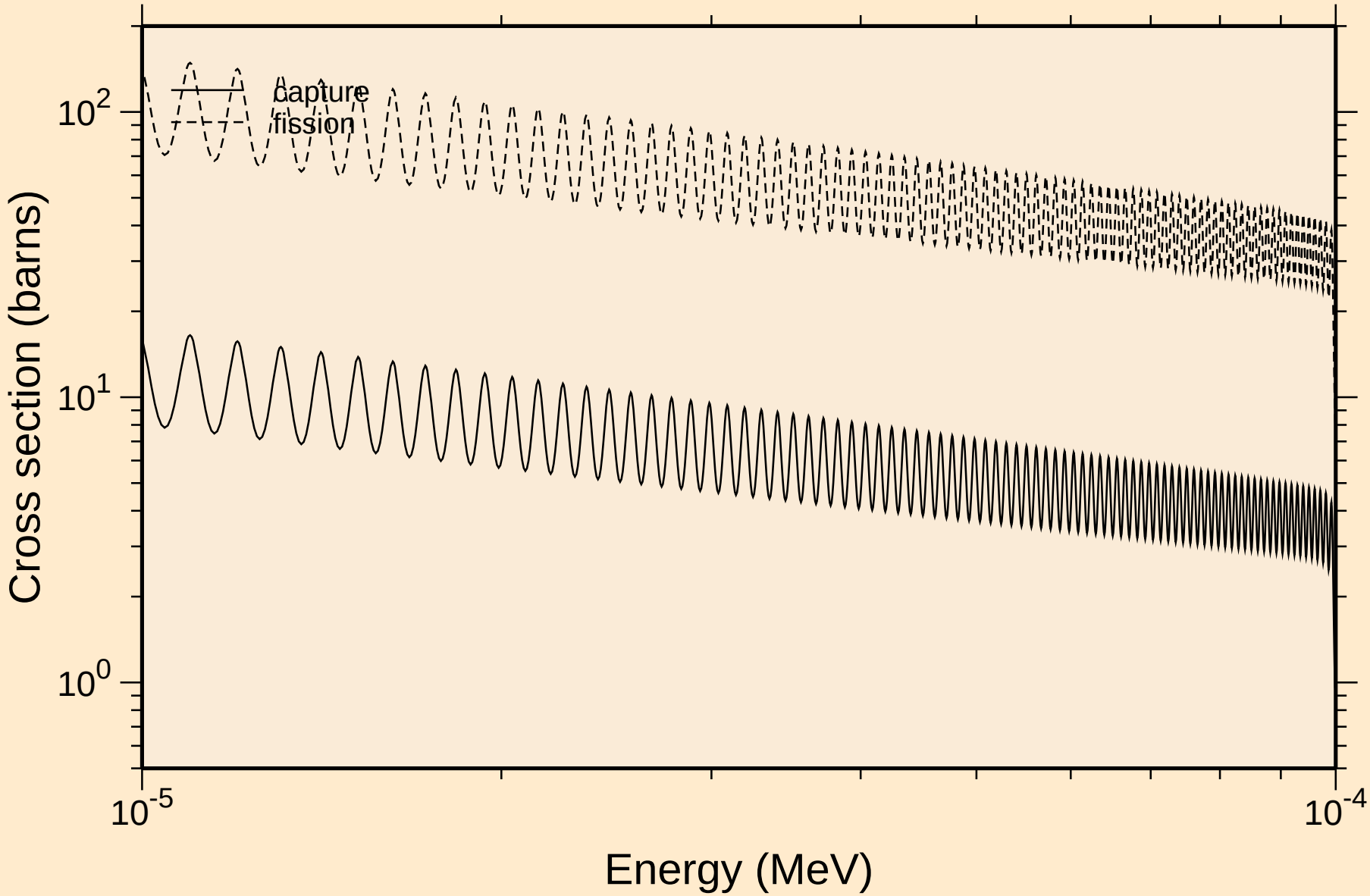

ENDF/B-VI NP-238B
Principal cross sections
Cross section (barns)
Energy (MeV)
total
absorption
elastic
10^{5}
10^{4}
10^{3}
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-11} 10^{-10} 10^{-9} 10^{-8} 10^{-7} 10^{-6} 10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1}

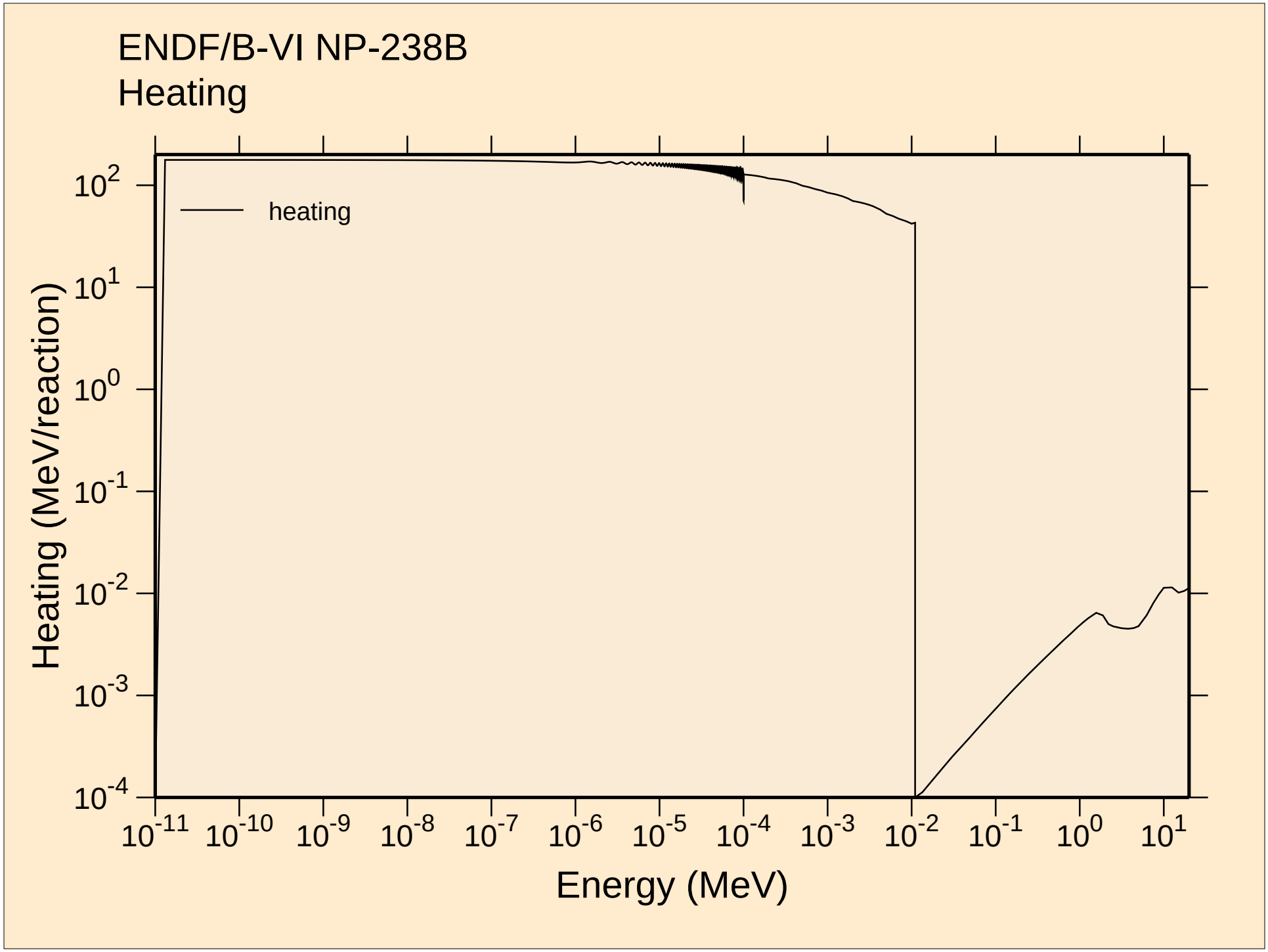

ENDF/B-VI NP-238B
resonance total cross section
total
Cross section (barns)
10^3
10^2
10^{-6}
10^{-5}
Energy (MeV)

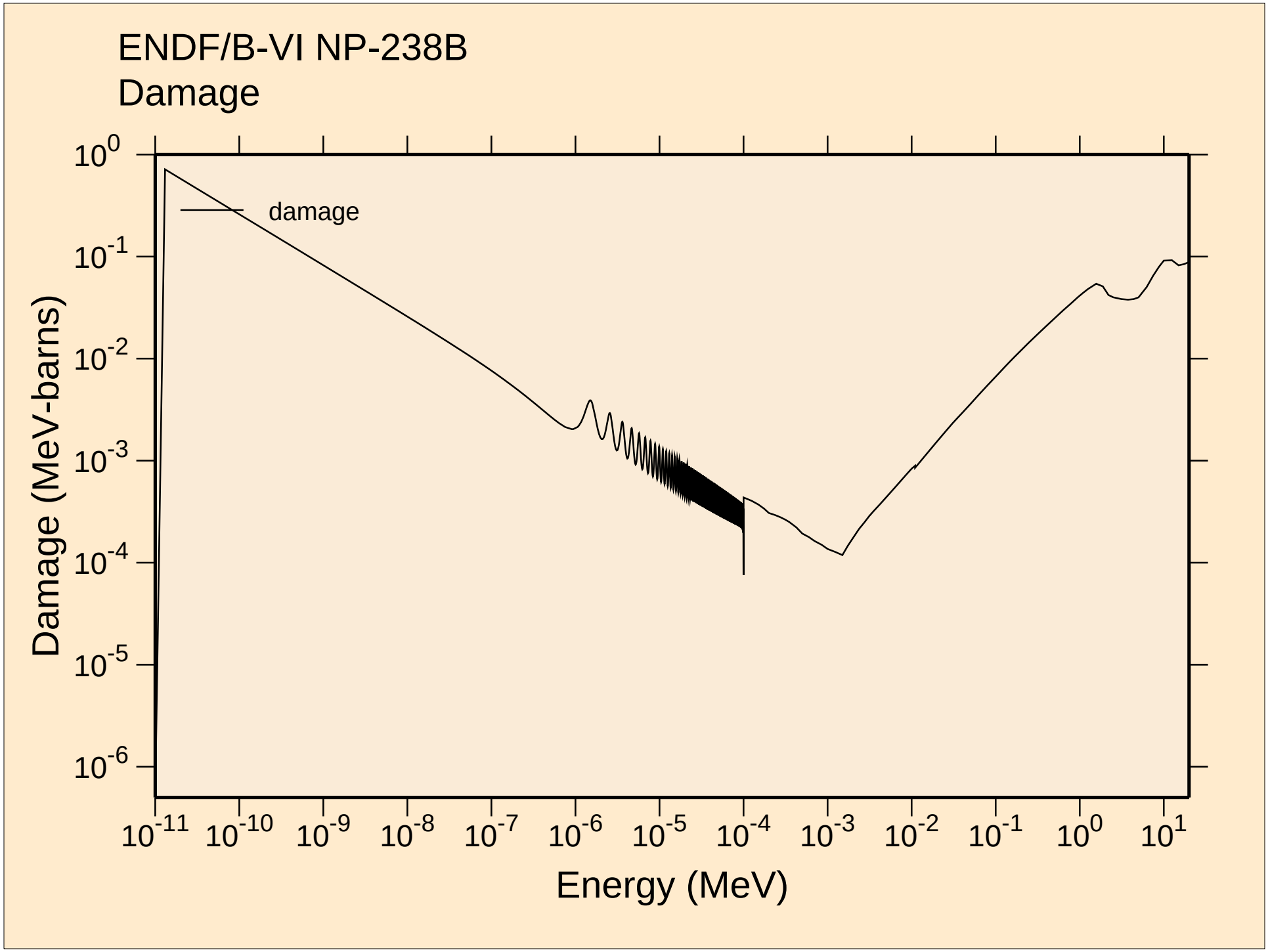

ENDF/B-VI NP-238B
resonance total cross section
total
Cross section (barns)
10^2
10^{-5}
10^{-4}
Energy (MeV)

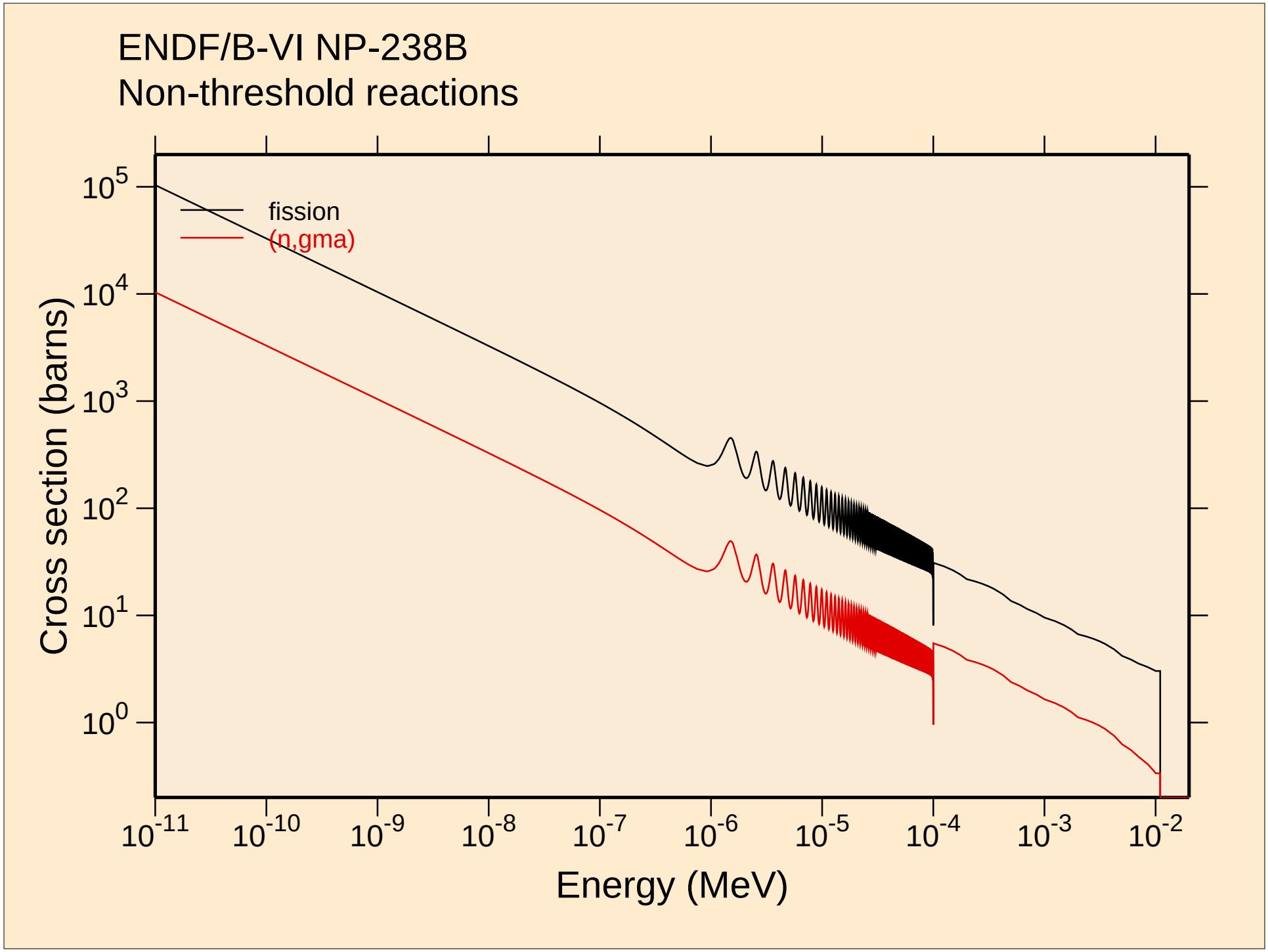

ENDF/B-VI NP-238B
resonance absorption cross sections
capture
fission
Cross section (barns)
10^2
10^1
10^{-6}
10^{-5}
Energy (MeV)

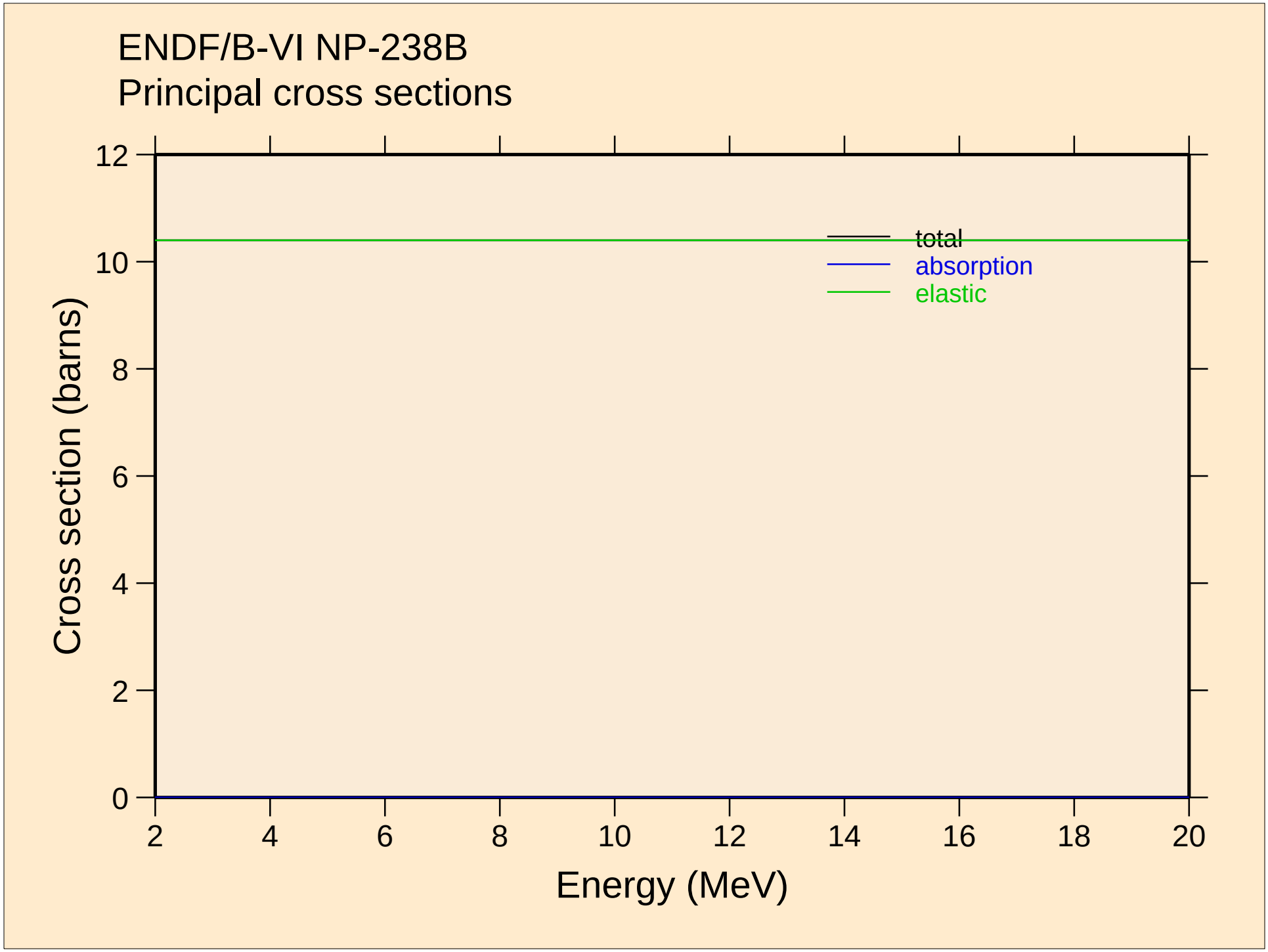
ENDF/B-VI NP-238B
resonance absorption cross sections

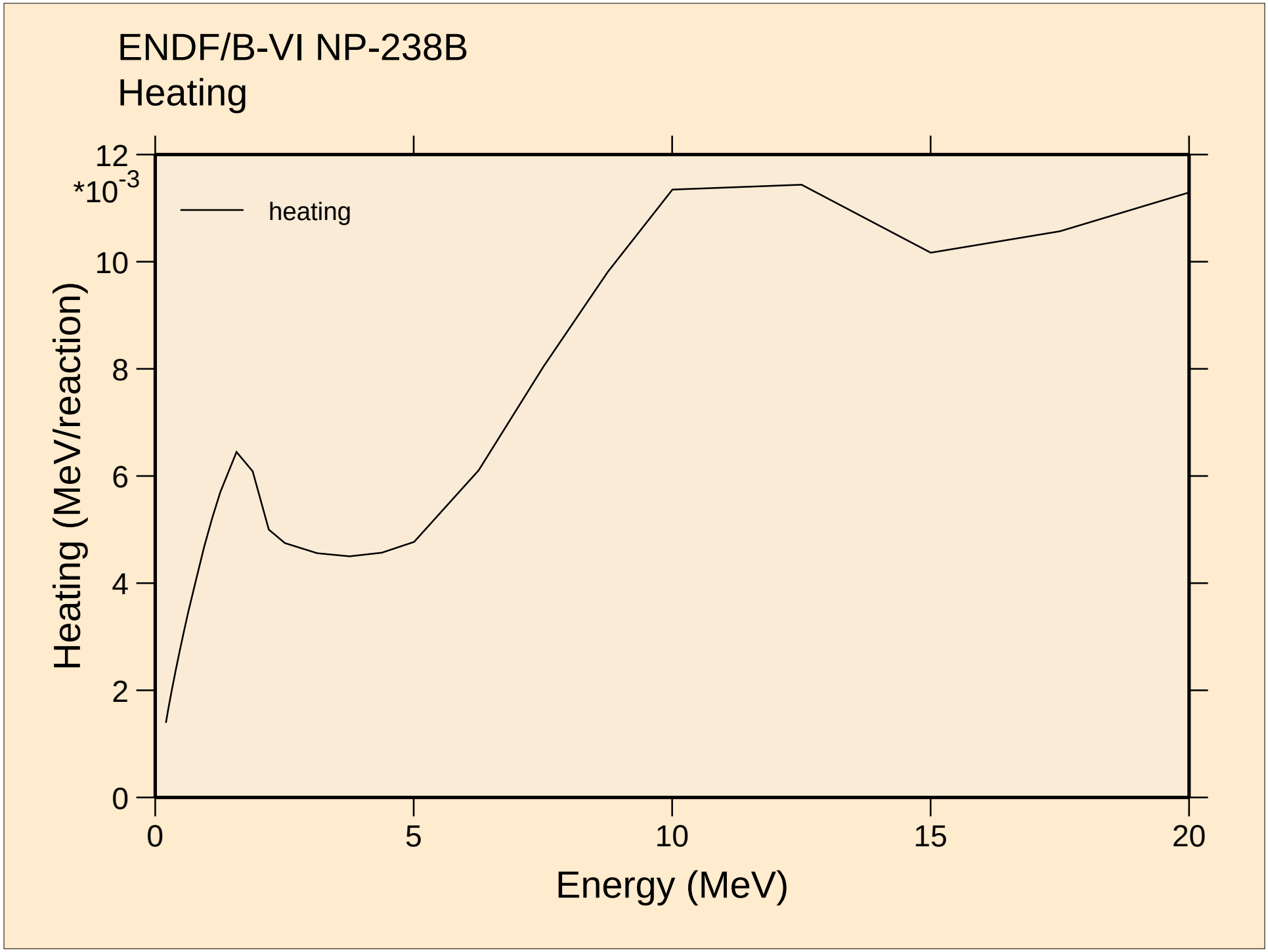


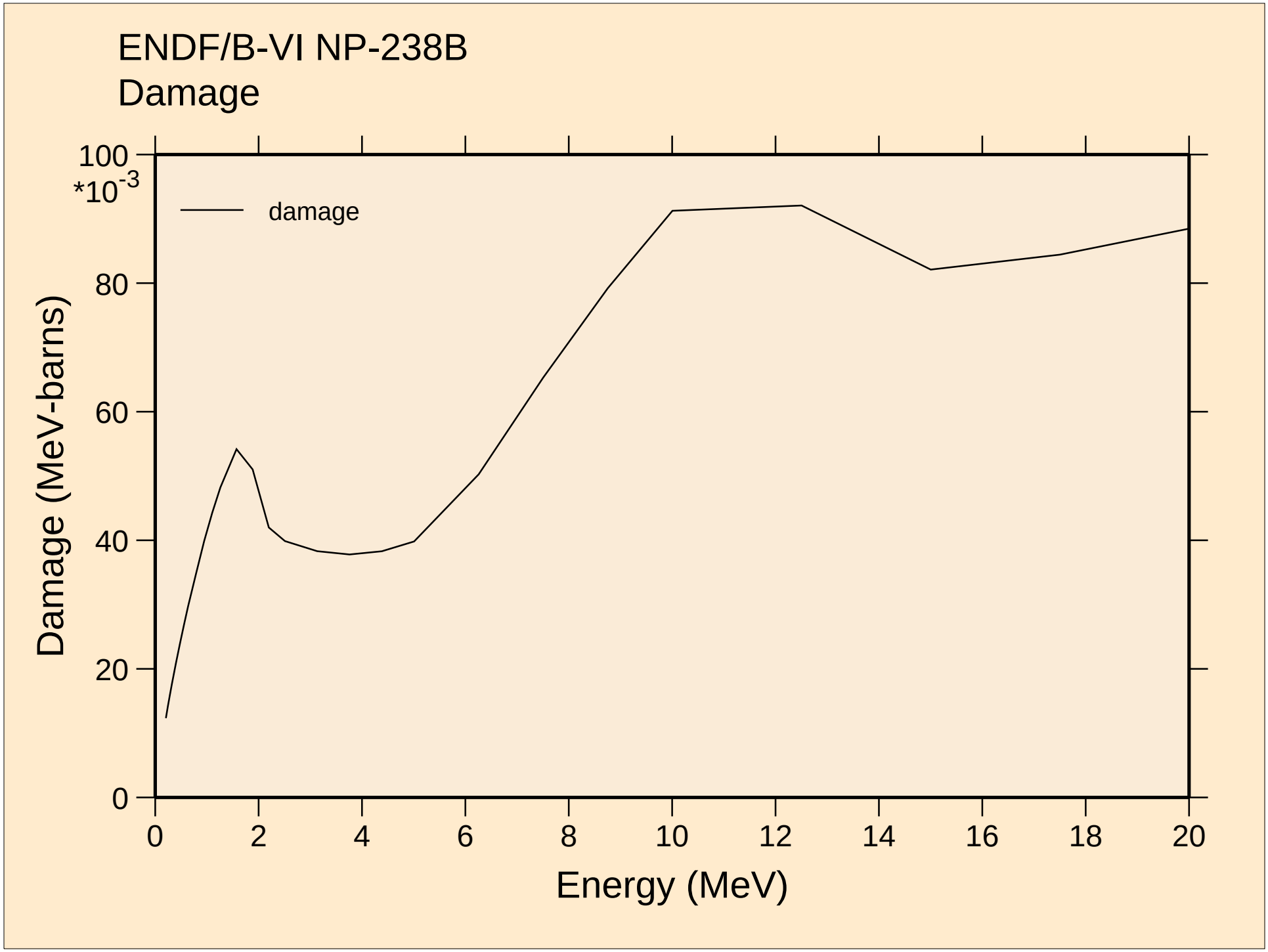

ENDF/B-VI NP-238B
Heating
heating
Heating (MeV/reaction)
Energy (MeV)
10^2
10^1
10^0
10^-1
10^-2
10^-3
10^-4
10^-11
10^-10
10^-9
10^-8
10^-7
10^-6
10^-5
10^-4
10^-3
10^-2
10^-1
10^0
10^1

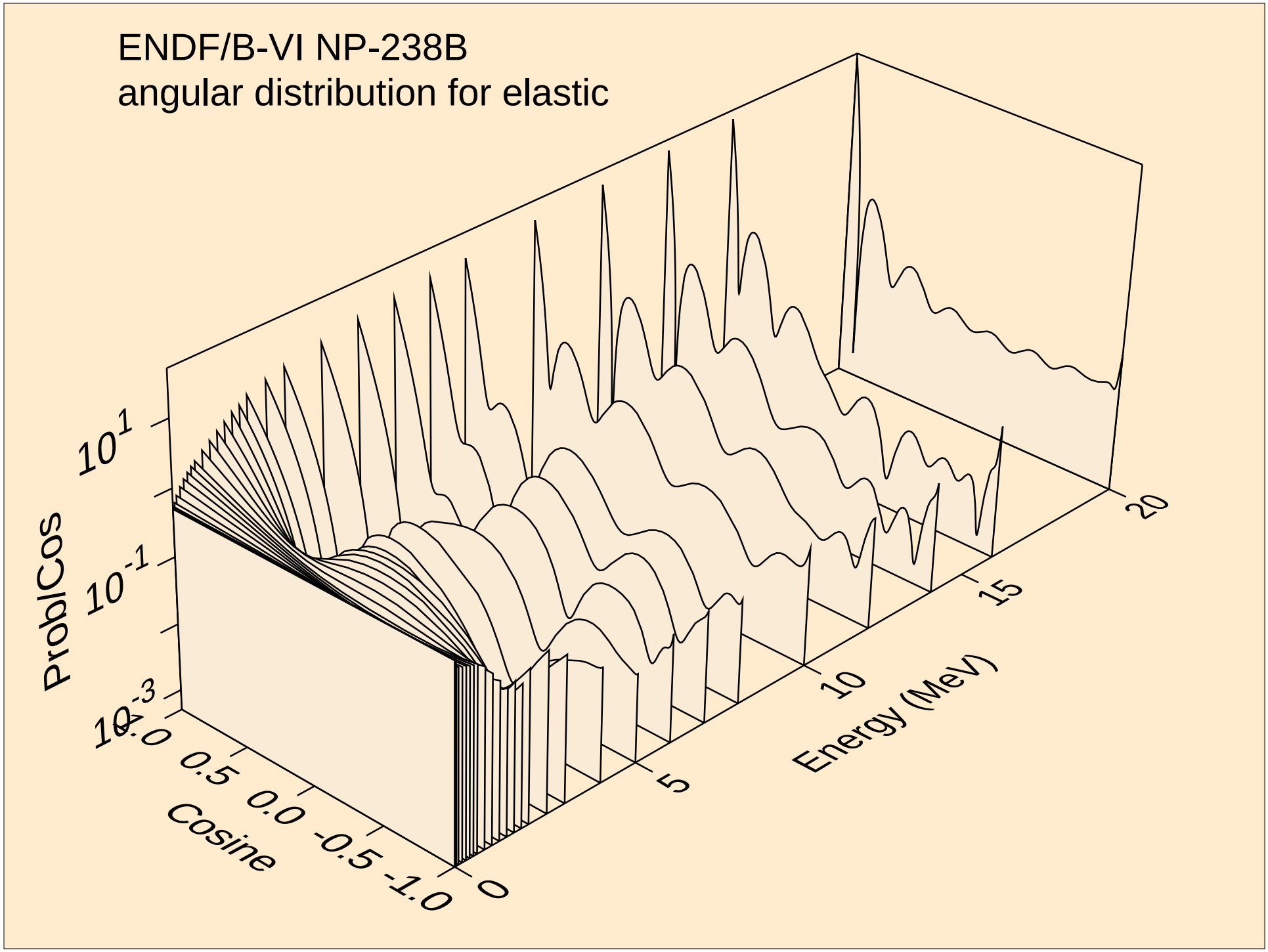

ENDF/B-VI NP-238B
Damage
damage
Damage (MeV-barns)
Energy (MeV)
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10^{-6}
10^{-11} 10^{-10} 10^{-9} 10^{-8} 10^{-7} 10^{-6} 10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1}

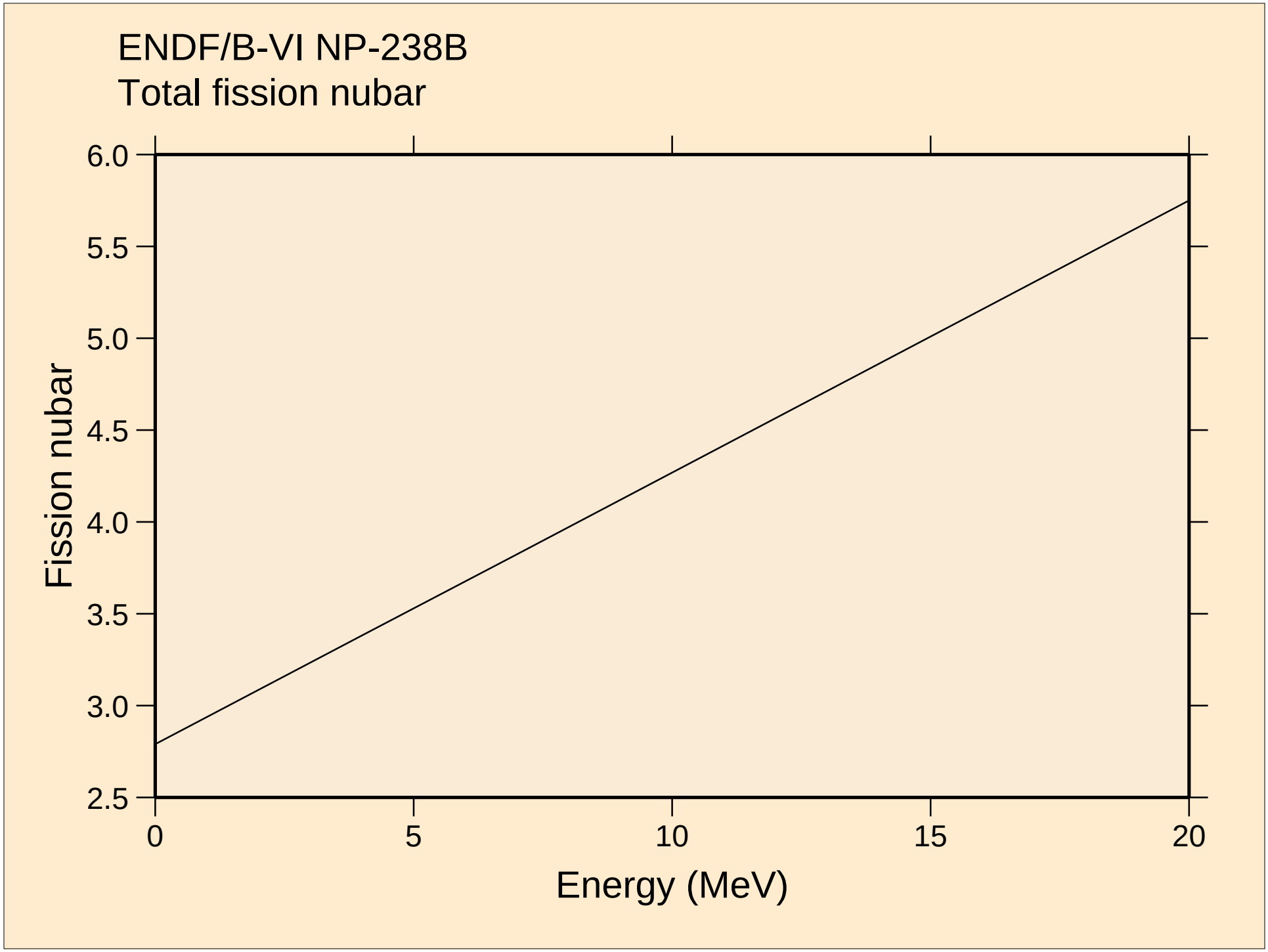

ENDF/B-VI NP-238B
Non-threshold reactions
fission
(n,gma)
Cross section (barns)
Energy (MeV)
10^5
10^4
10^3
10^2
10^1
10^0
10^-11
10^-10
10^-9
10^-8
10^-7
10^-6
10^-5
10^-4
10^-3
10^-2

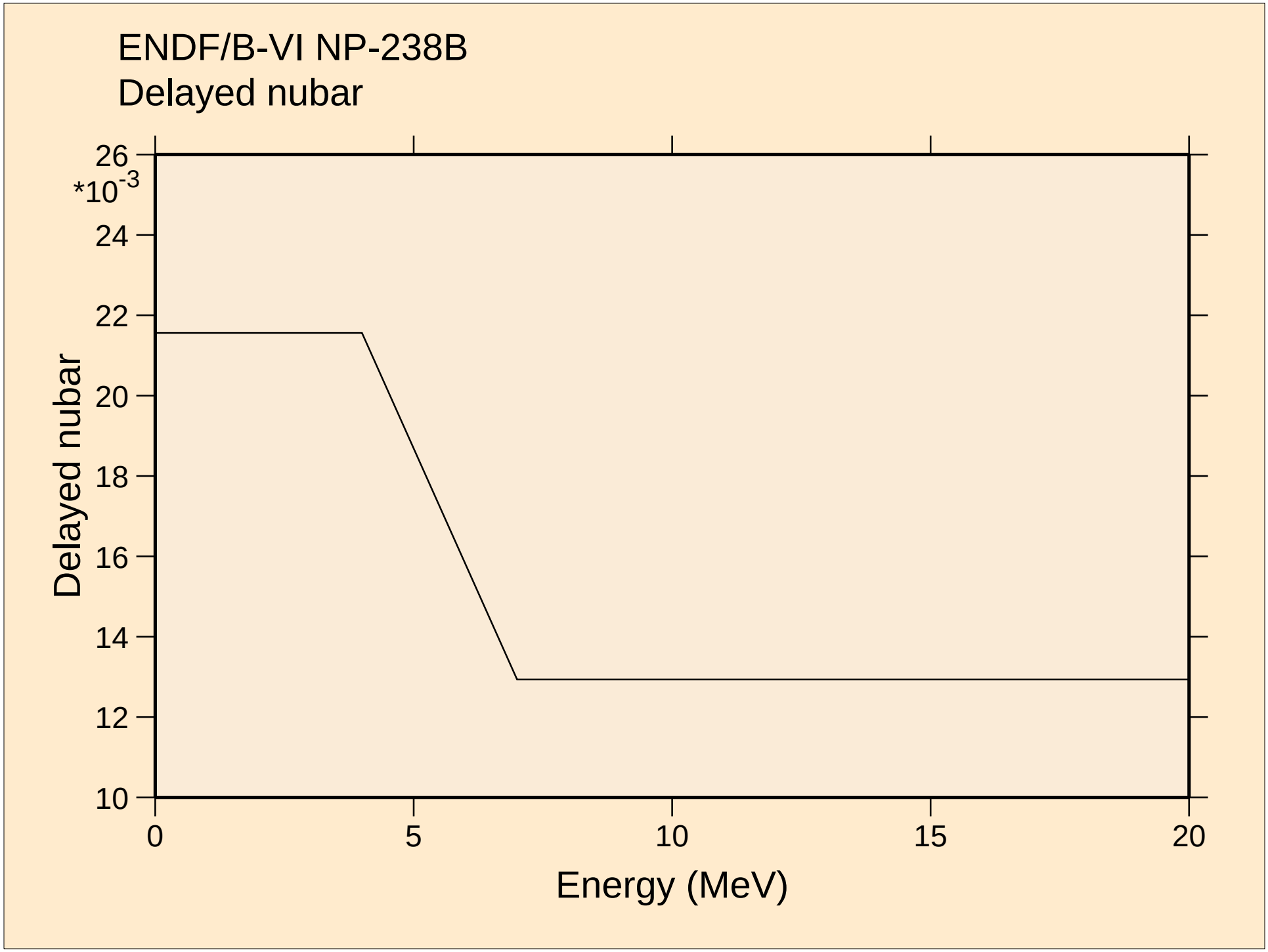

ENDF/B-VI NP-238B
Principal cross sections
Cross section (barns)
Energy (MeV)
total
absorption
elastic
0
2
4
6
8
10
12
2
4
6
8
10
12
14
16
18
20

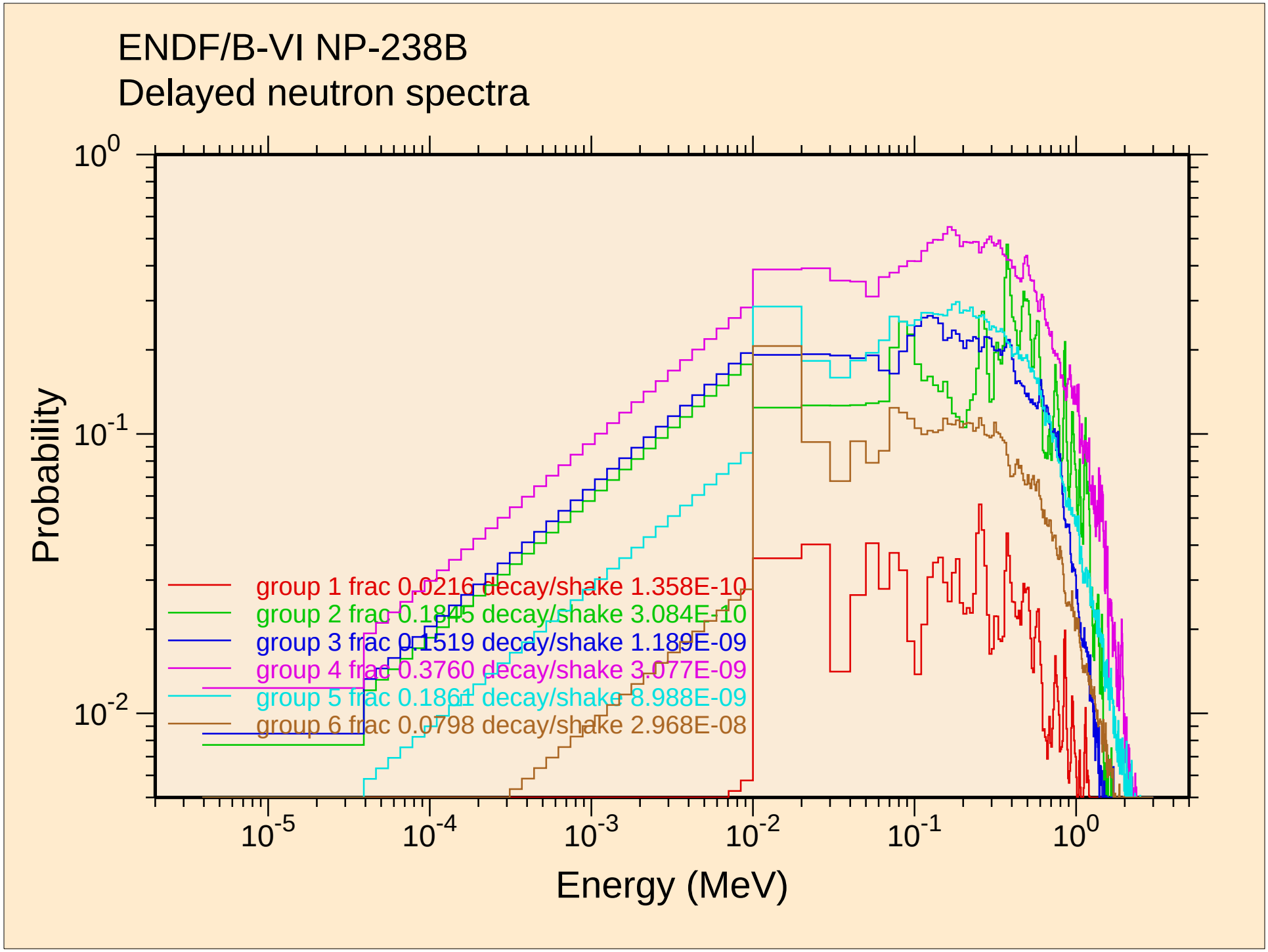

ENDF/B-VI NP-238B
Heating
heating
*10-3
12
10
8
6
4
2
0
0
5
10
15
20
Heating (MeV/reaction)
Energy (MeV)


ENDF/B-VI NP-238B
Damage
damage
100
*10-3
80
60
40
20
0
Damage (MeV-barns)
0
2
4
6
8
10
12
14
16
18
20
Energy (MeV)


ENDF/B-VI NP-238B
angular distribution for elastic
ProbCos
10^{1}
10^{-1}
10^{-3}
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
0
5
10
15
20


ENDF/B-VI NP-238B
Total fission nubar
Fission nubar
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
0
5
10
15
20
Energy (MeV)


ENDF/B-VI NP-238B
Delayed nubar
26
*10-3
24
22
20
18
16
14
12
10
Delayed nubar
0
5
10
15
20
Energy (MeV)


ENDF/B-VI NP-238B
Delayed neutron spectra
Probability
Energy (MeV)
10^{0}
10^{-1}
10^{-2}
10^{-5}
10^{-4}
10^{-3}
10^{-2}
10^{-1}
10^{0}
group 1 frac 0.0216 decay/shake 1.358E-10
group 2 frac 0.1845 decay/shake 3.084E-10
group 3 frac 0.1519 decay/shake 1.189E-09
group 4 frac 0.3760 decay/shake 3.077E-09
group 5 frac 0.1861 decay/shake 8.988E-09
group 6 frac 0.0798 decay/shake 2.968E-08