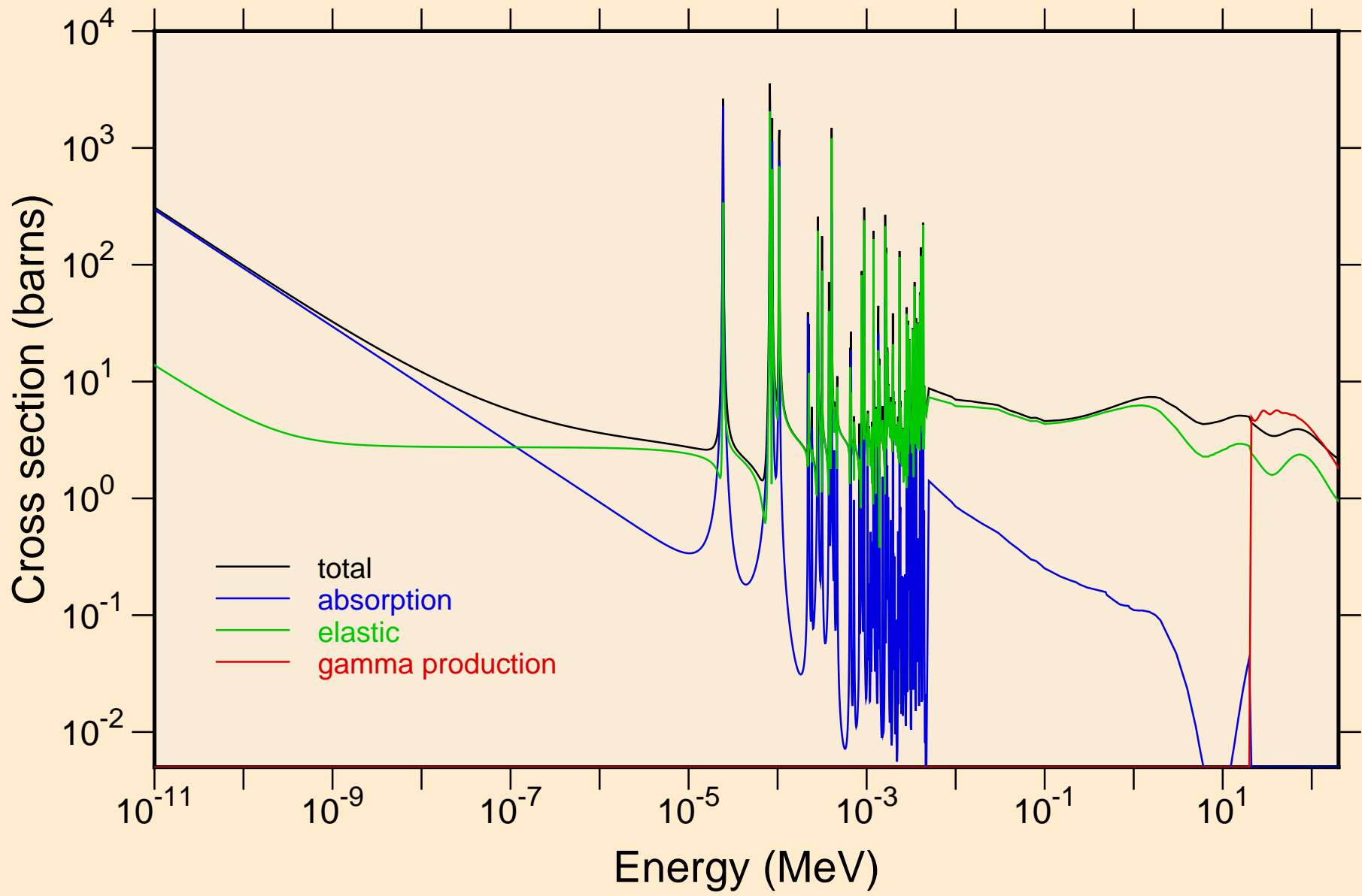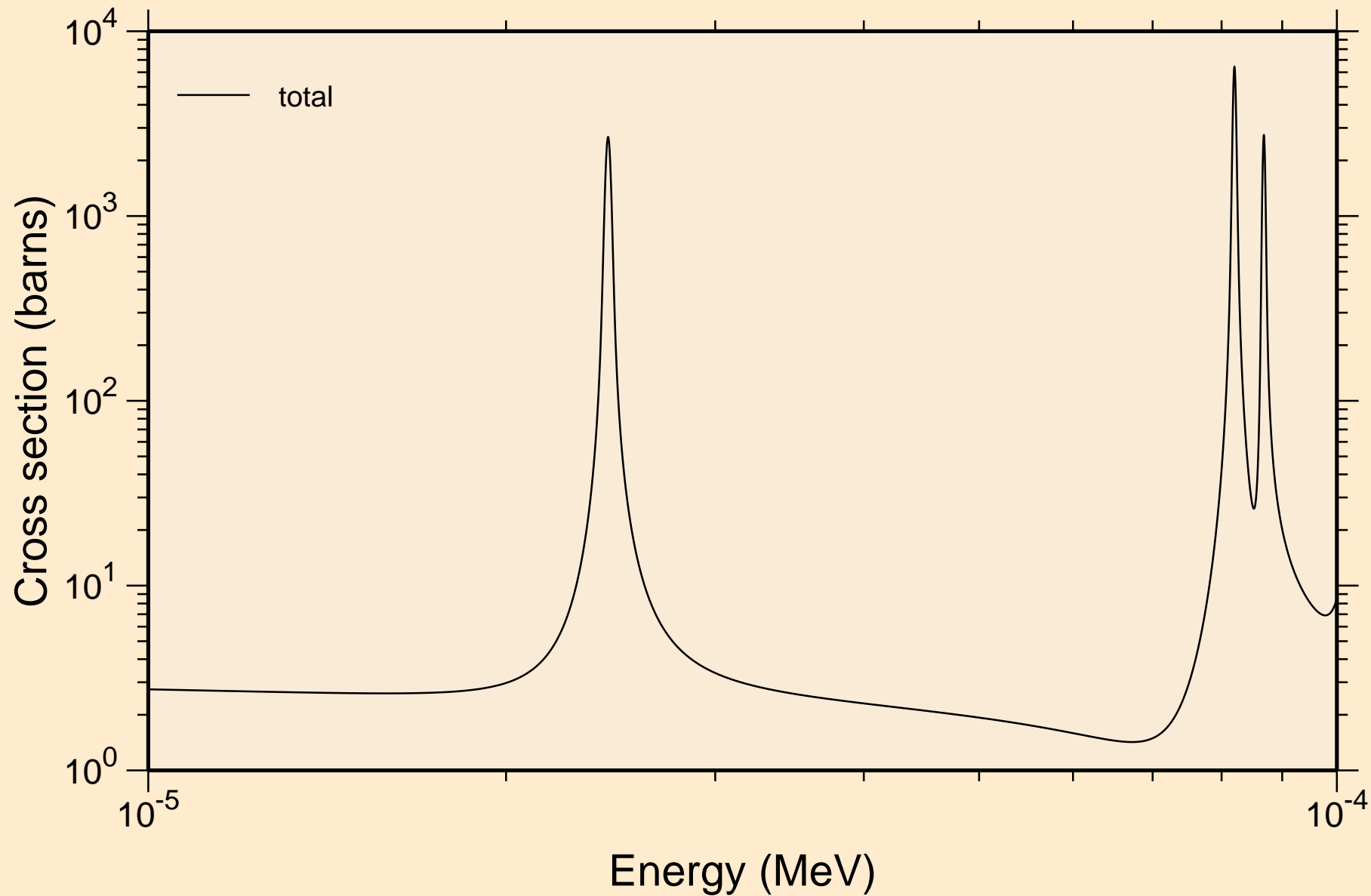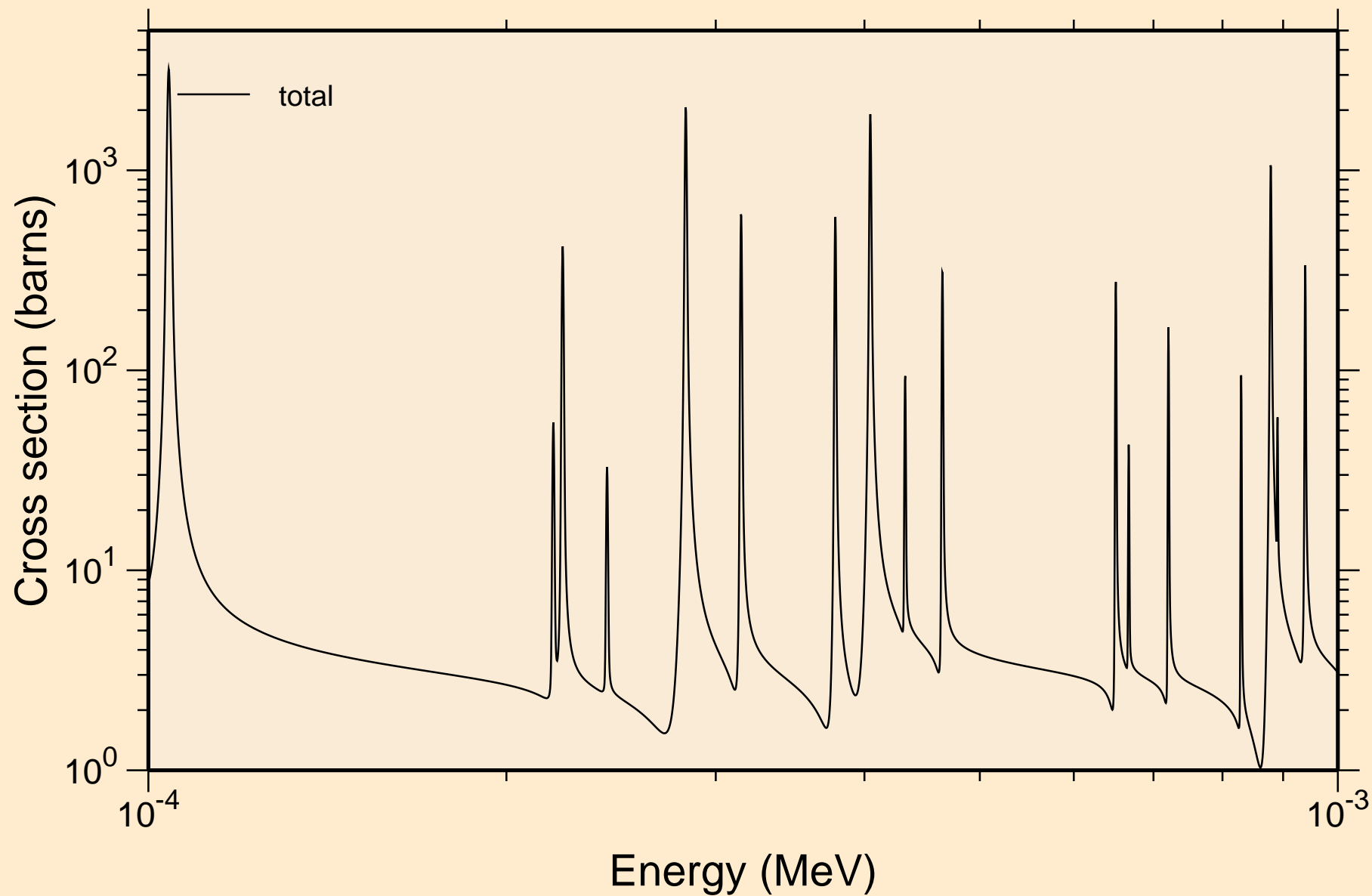56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
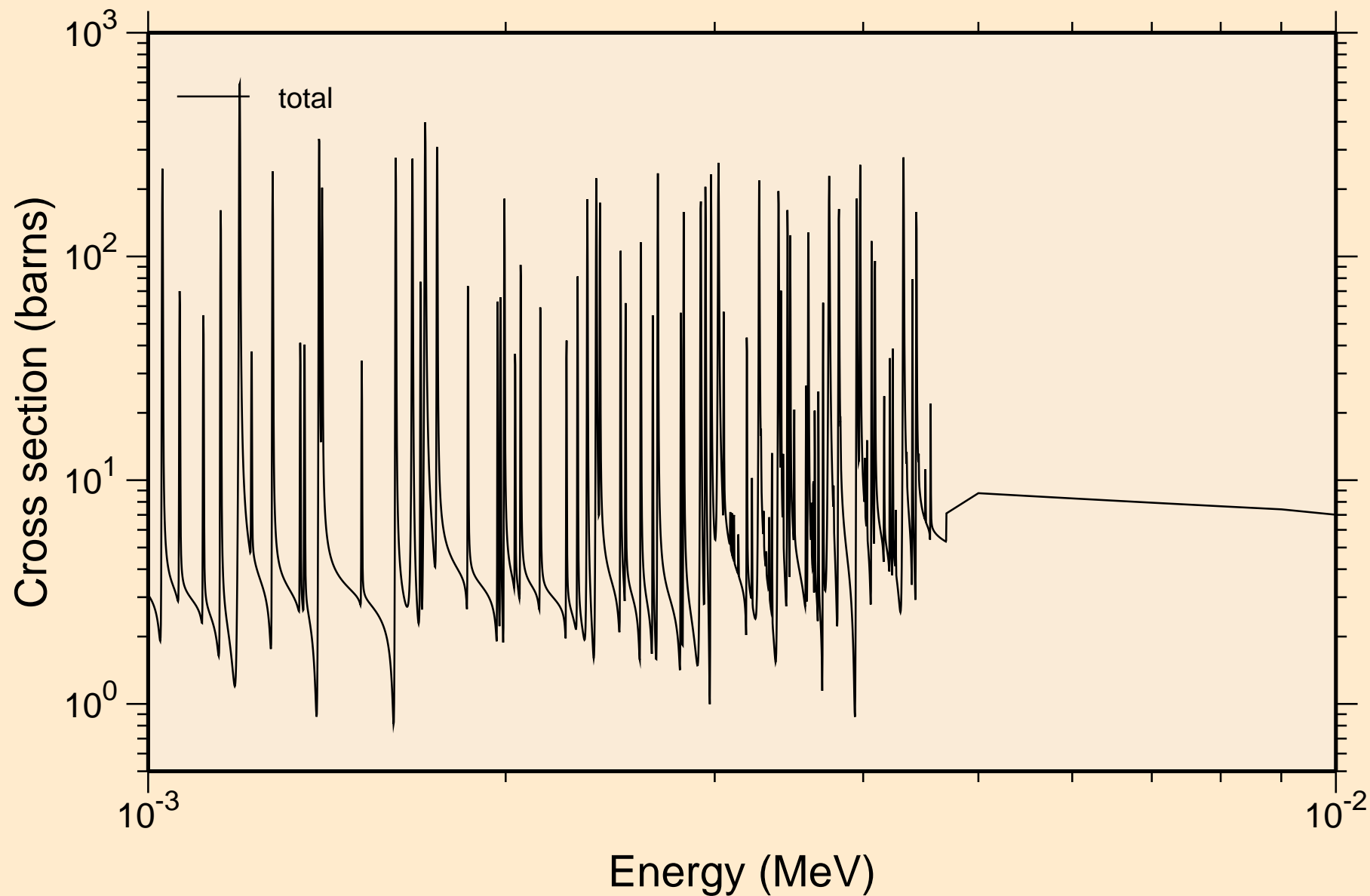Principal cross sections

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
resonance total cross section

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
resonance total cross section

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
resonance total cross section

total

Cross section (barns)

Energy (MeV)

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
resonance total cross section

total

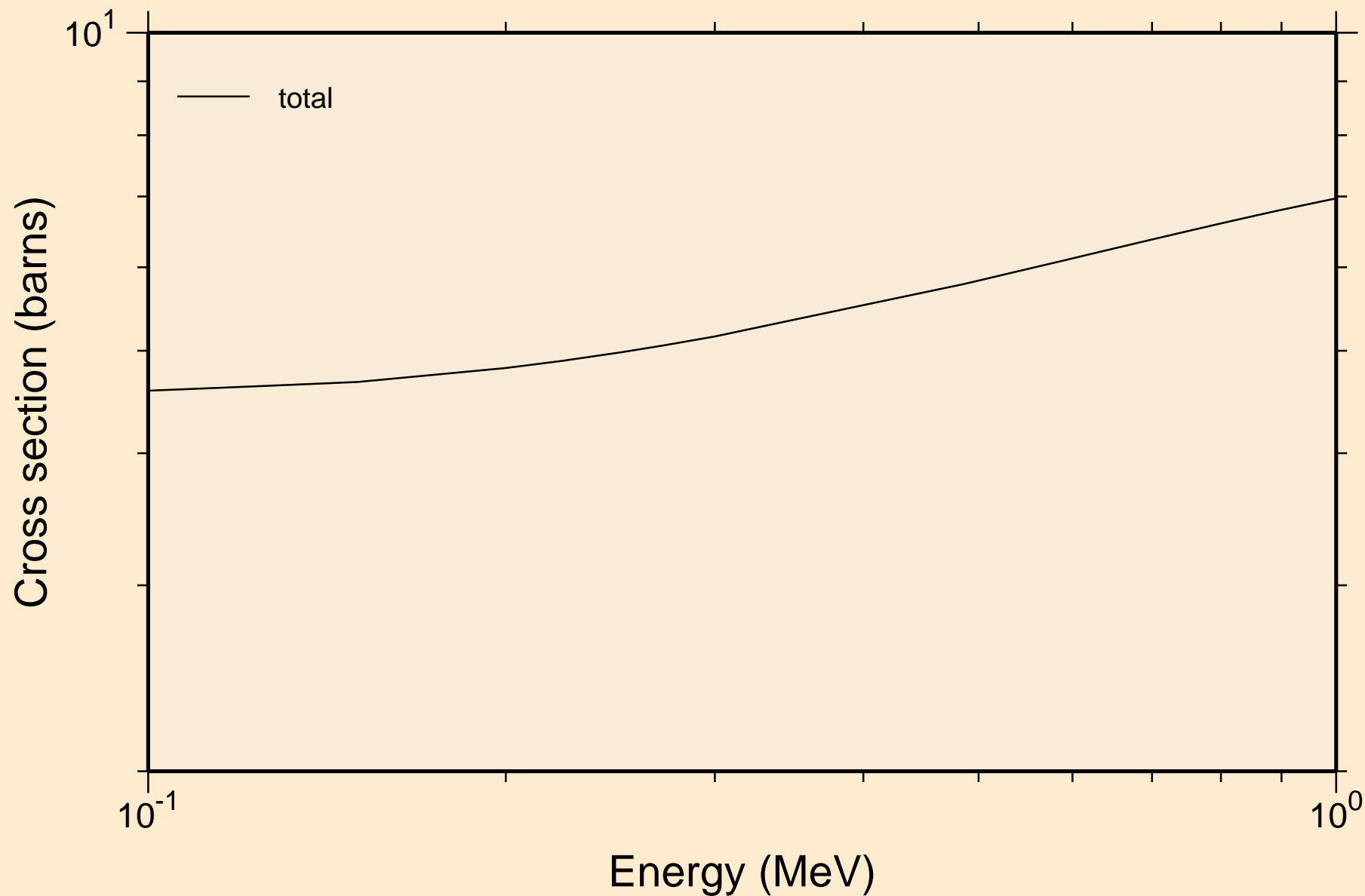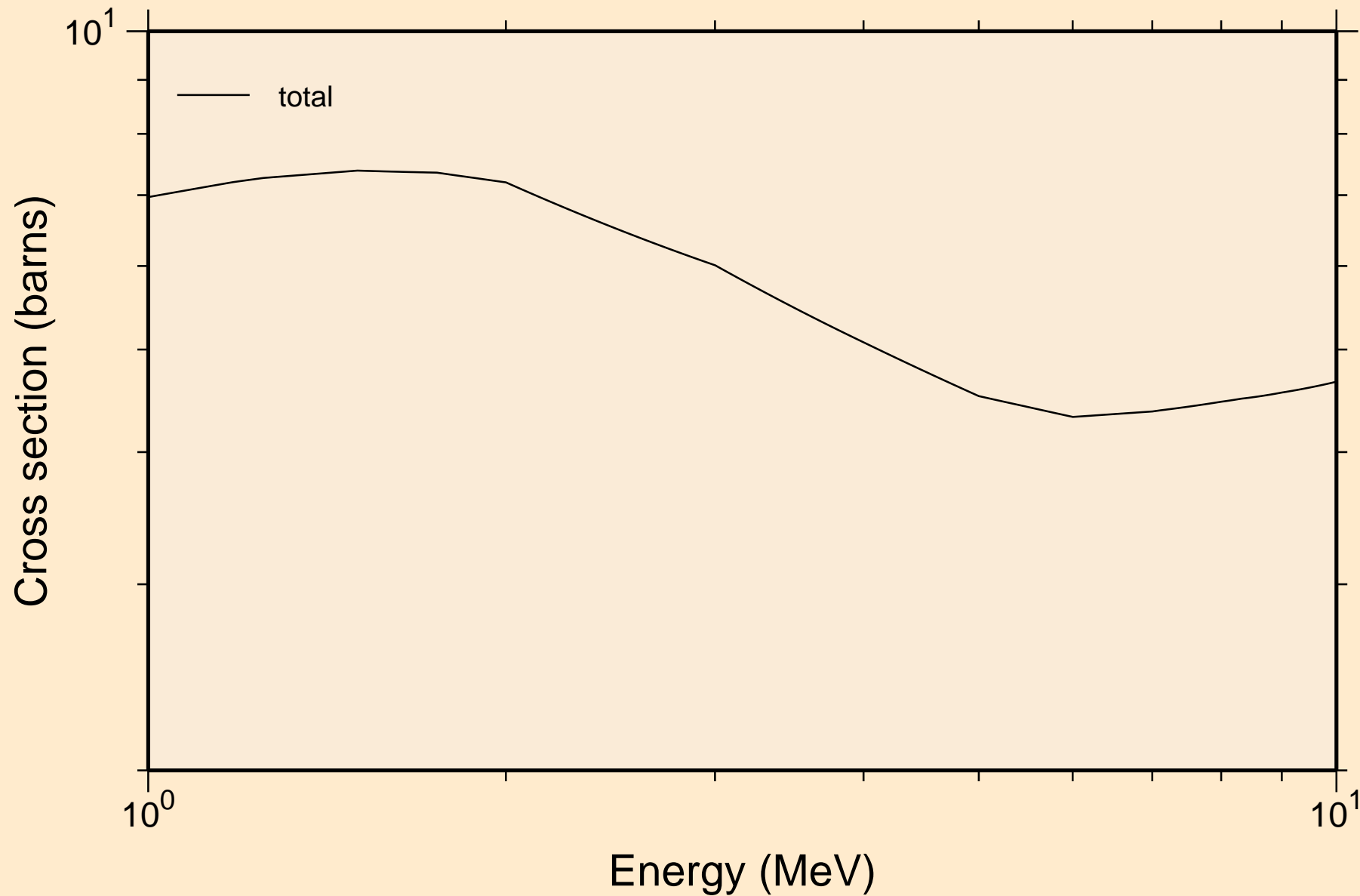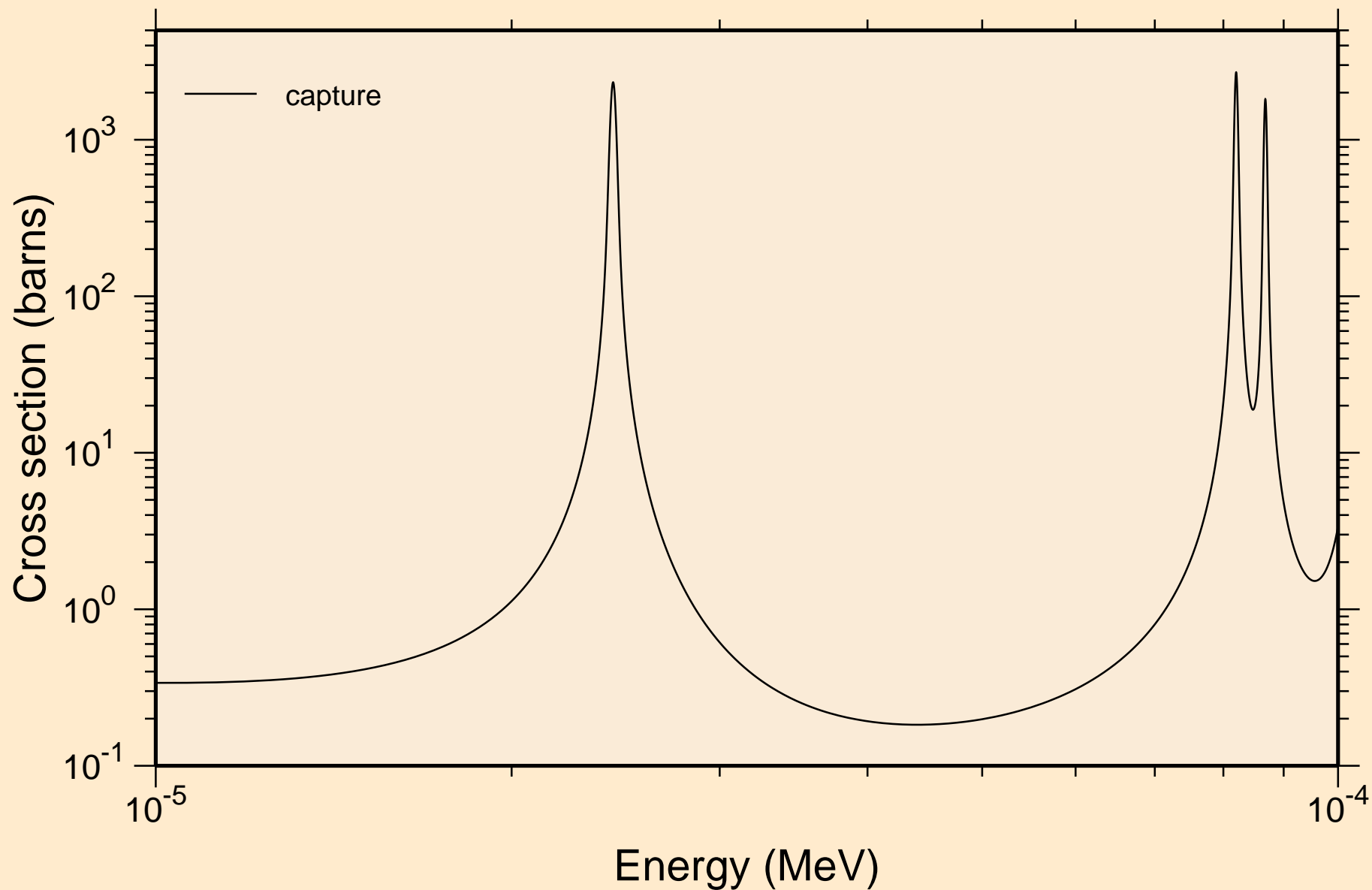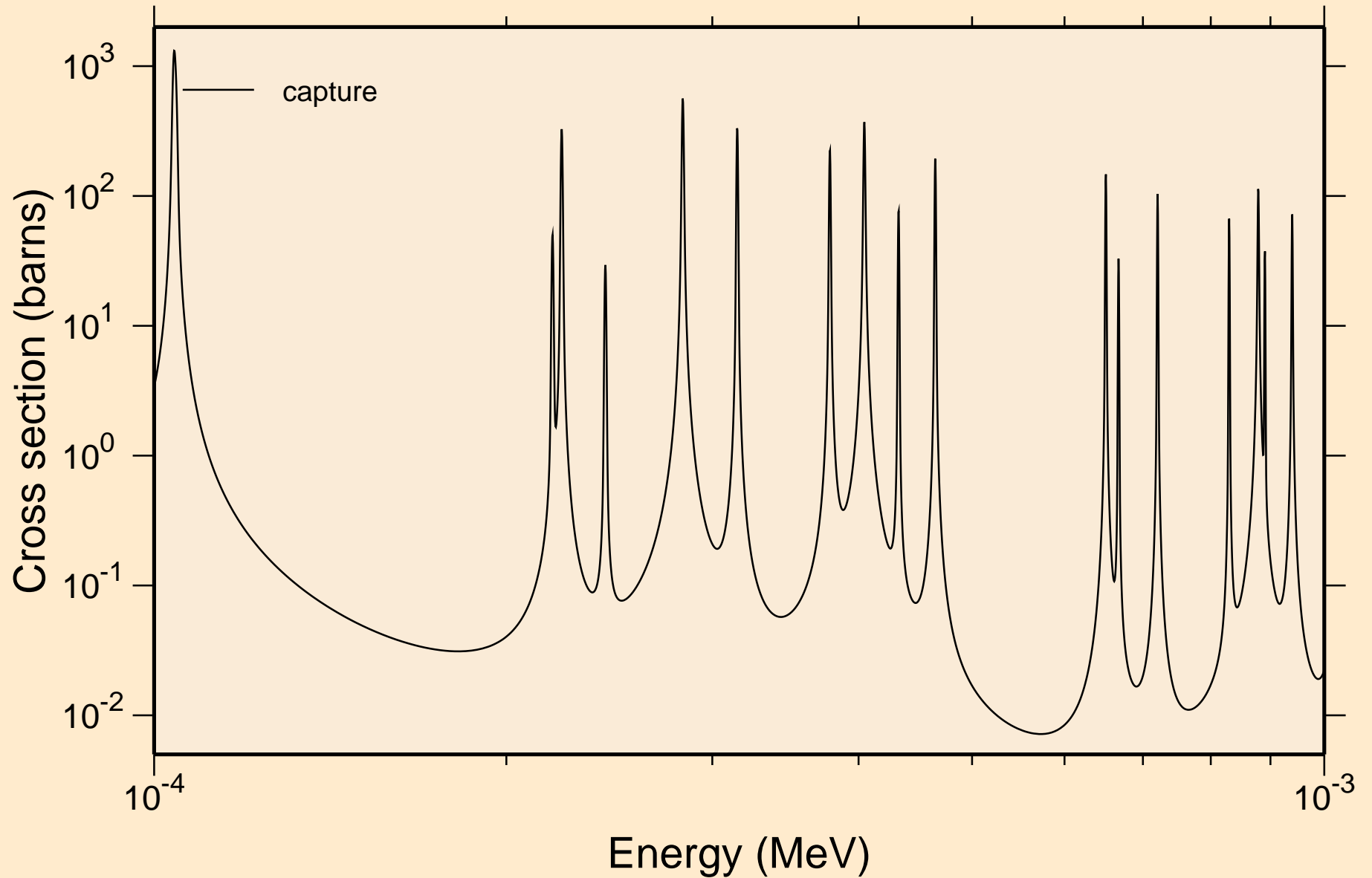Cross section (barns)

Energy (MeV)

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
resonance total cross section

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
resonance absorption cross sections

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
resonance absorption cross sections
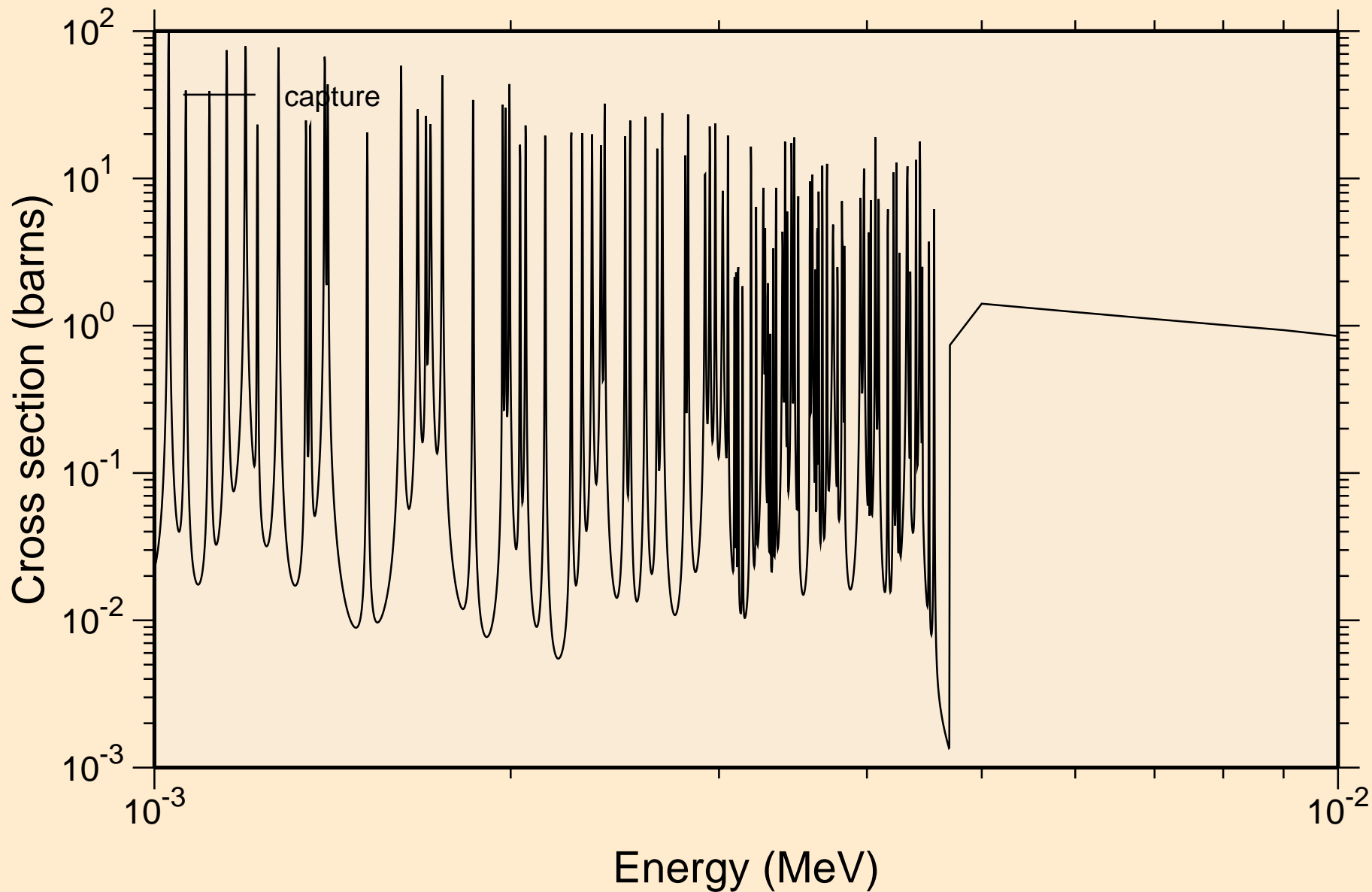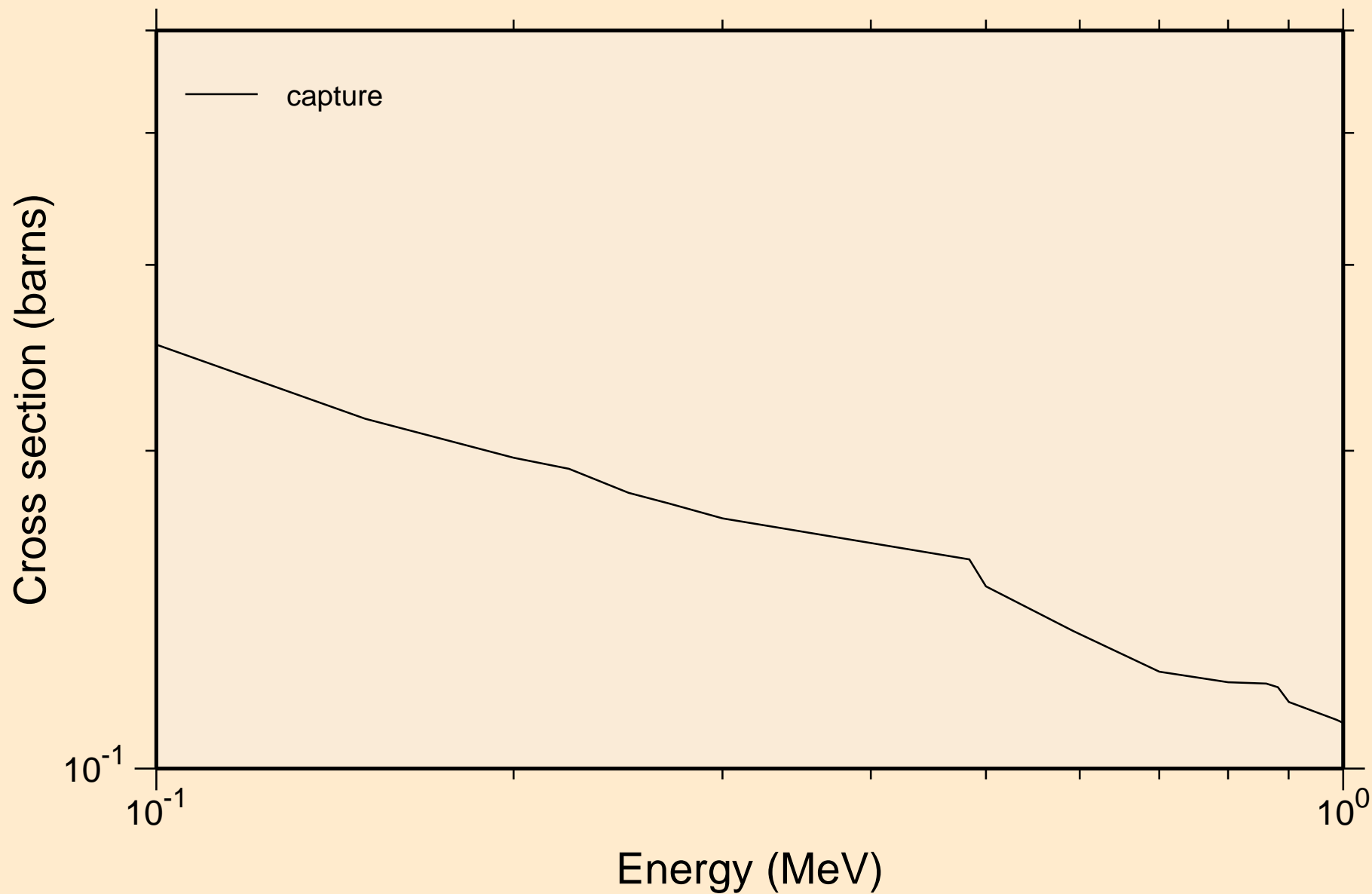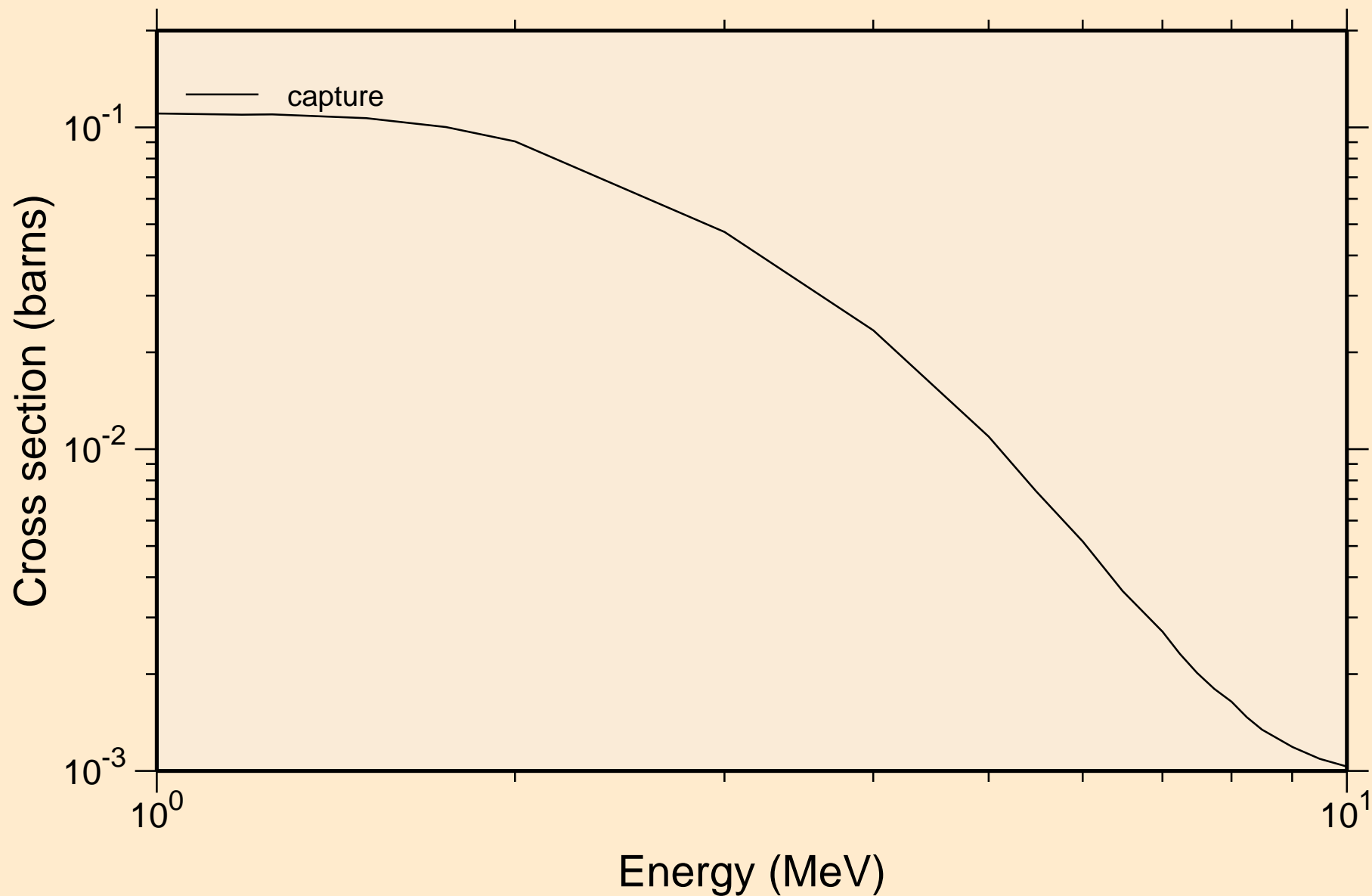
56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
resonance absorption cross sections
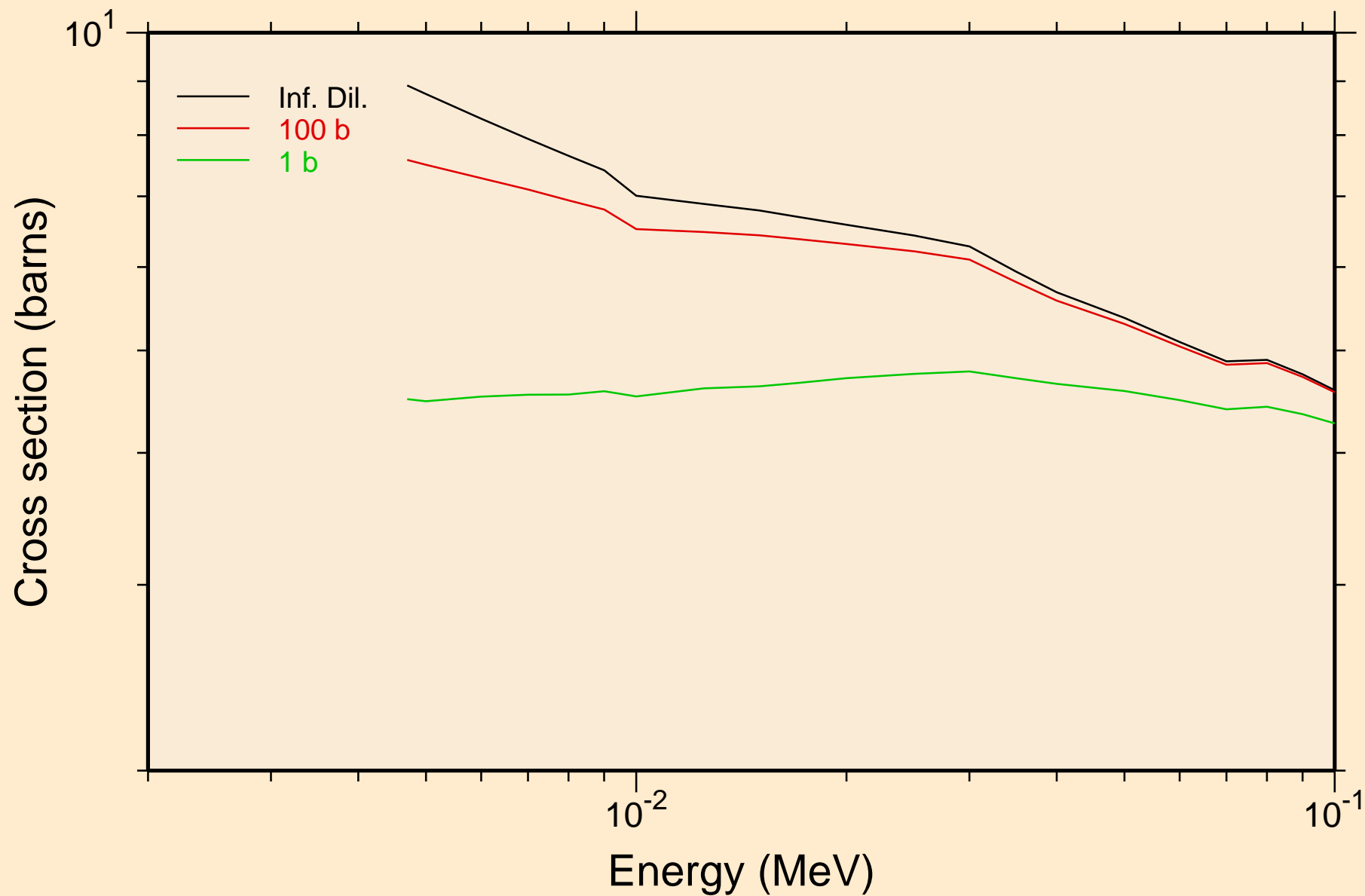
56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
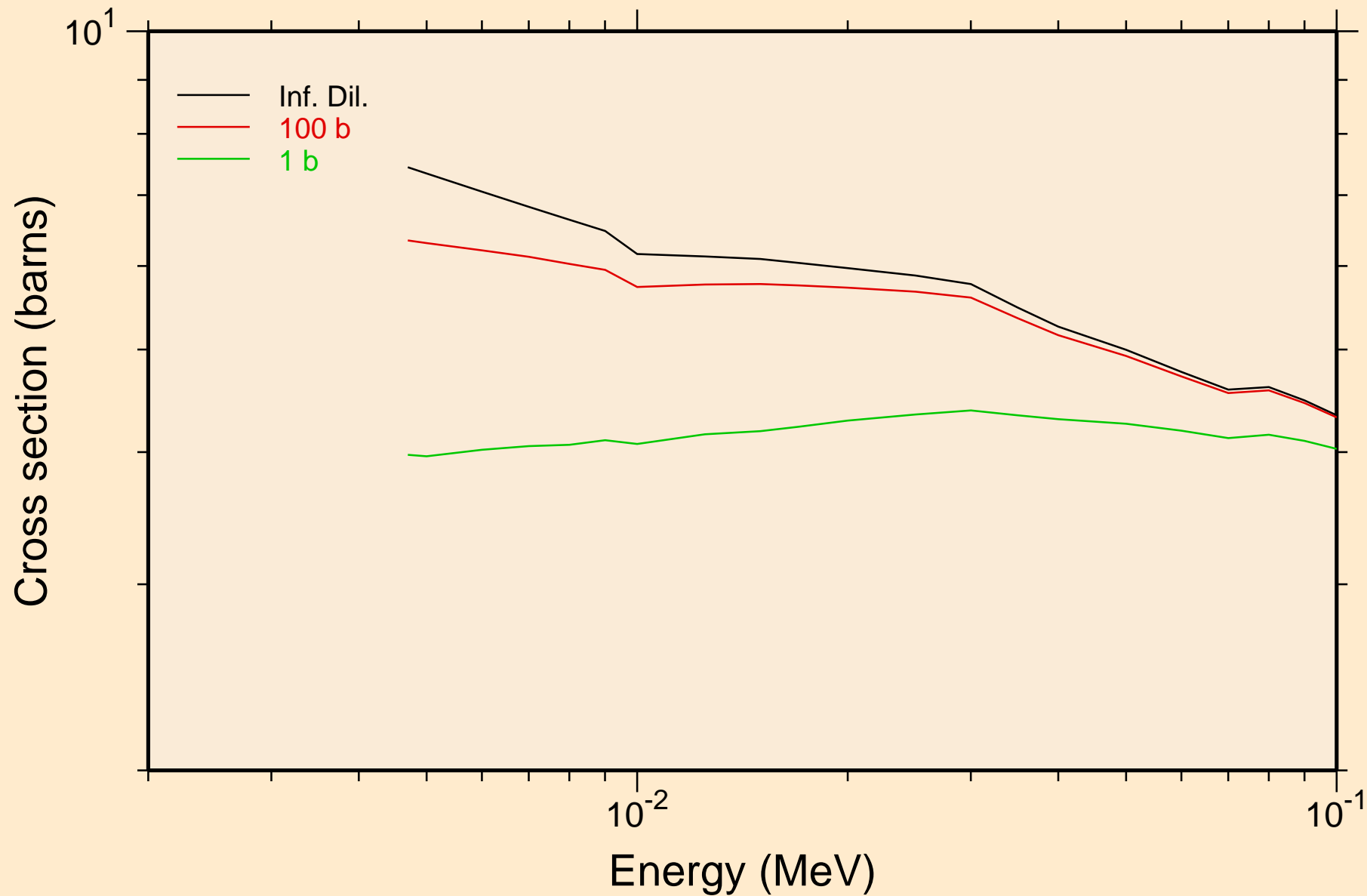resonance absorption cross sections

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
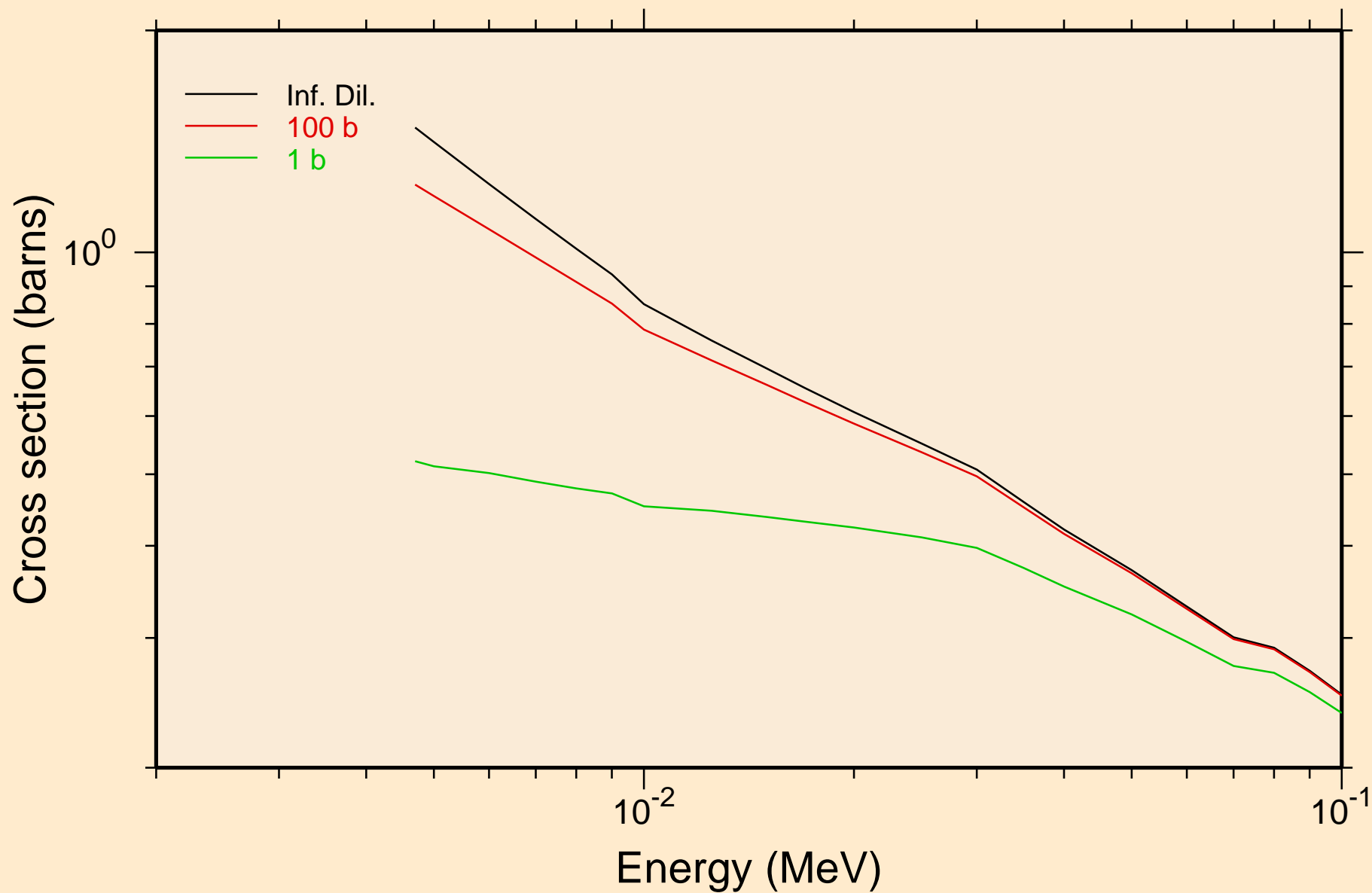resonance absorption cross sections

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
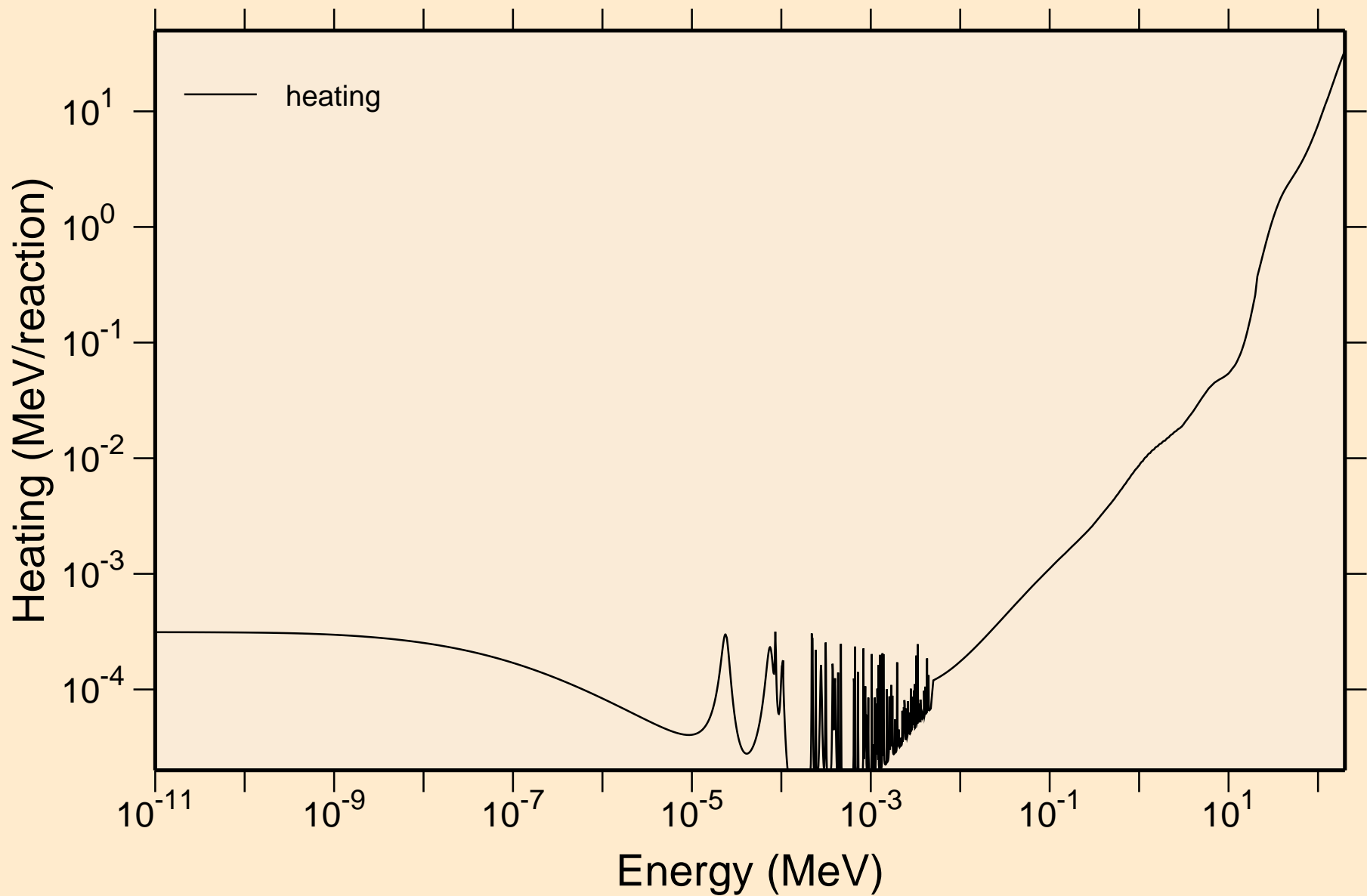UR total cross section

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
UR elastic cross section

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
UR capture cross section

Cross section (barns)

Energy (MeV)

- Inf. Dil.
- 100 b
- 1 b

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
Heating

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
Damage

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
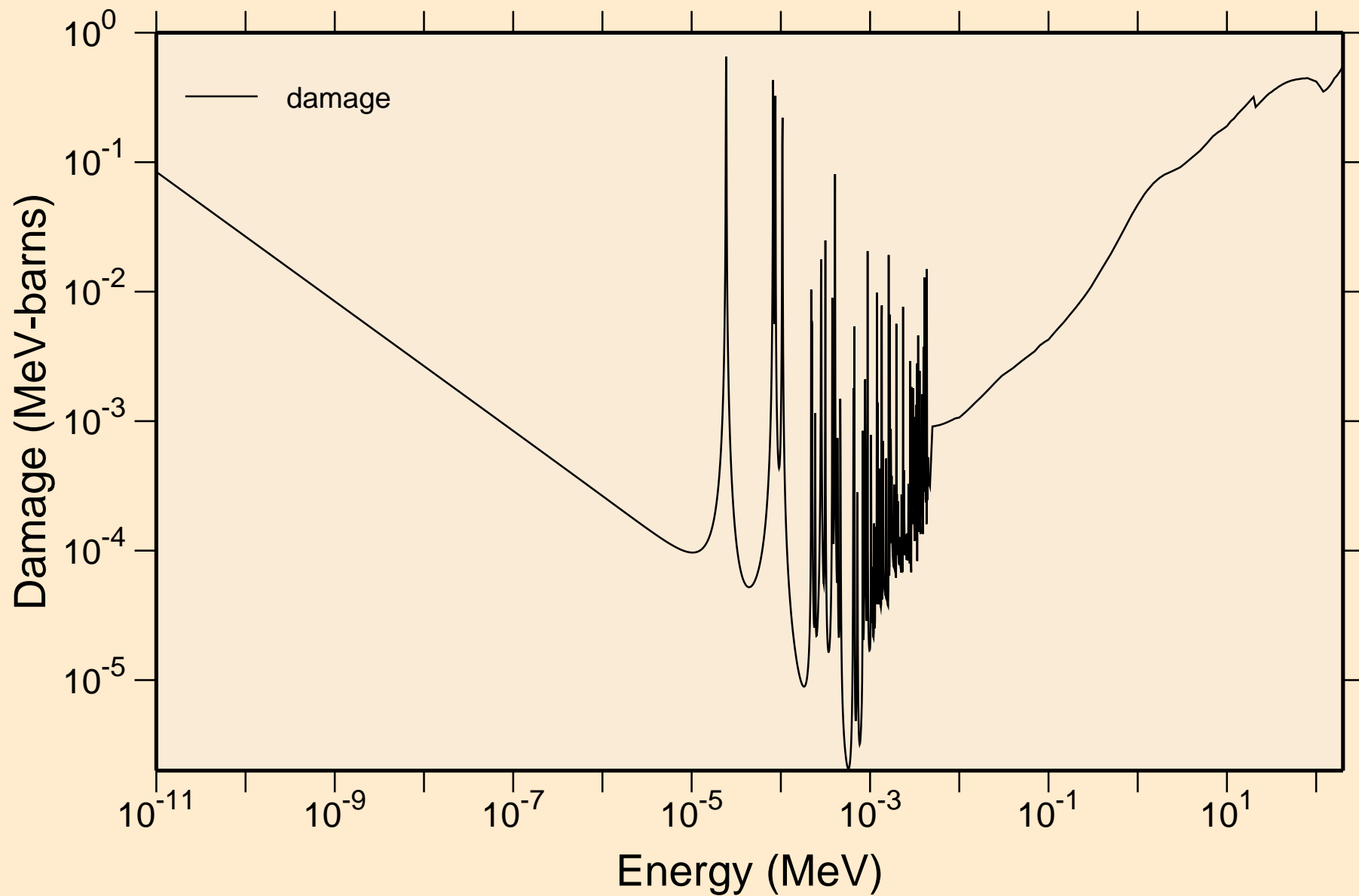Non-threshold reactions

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
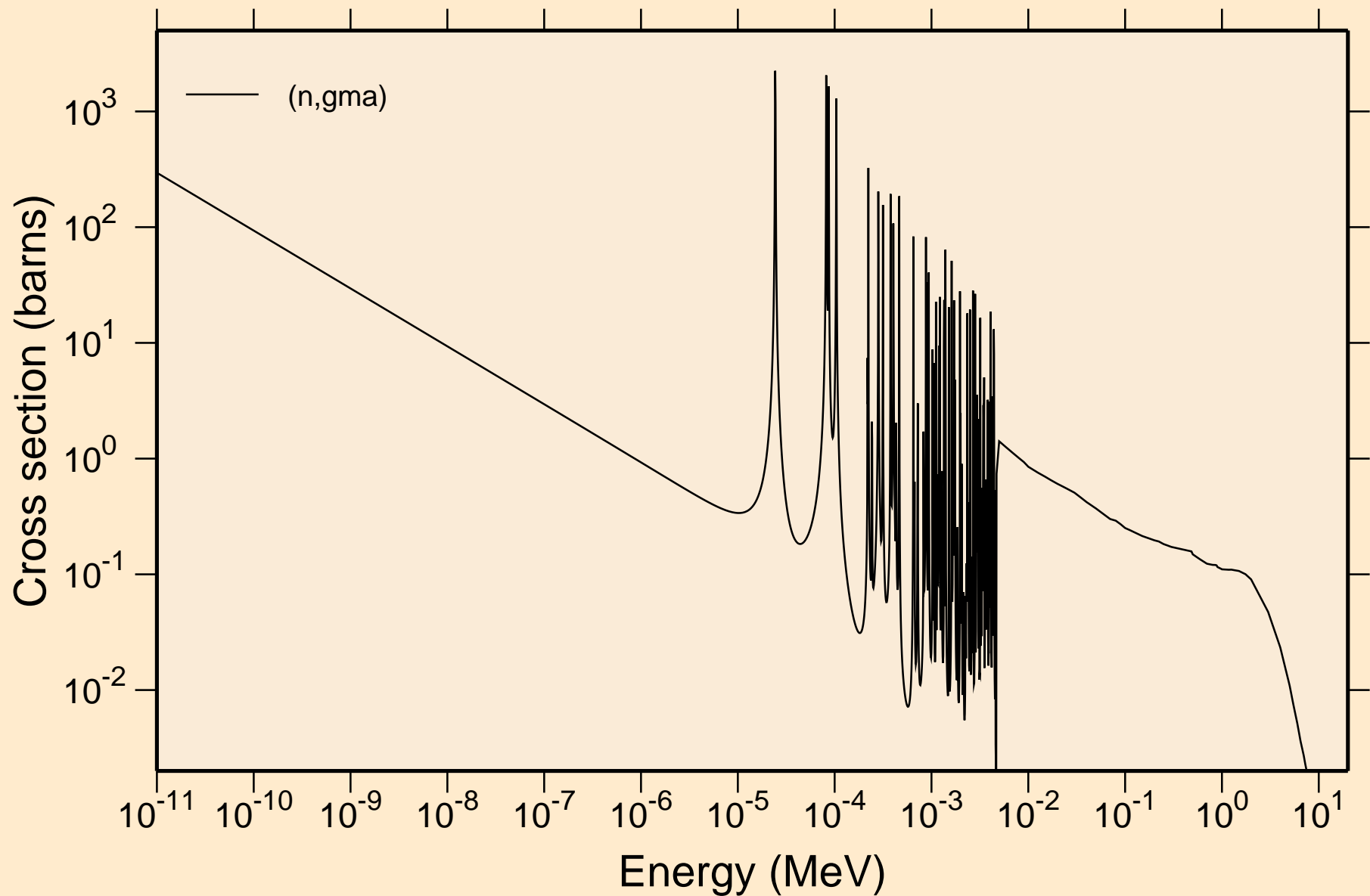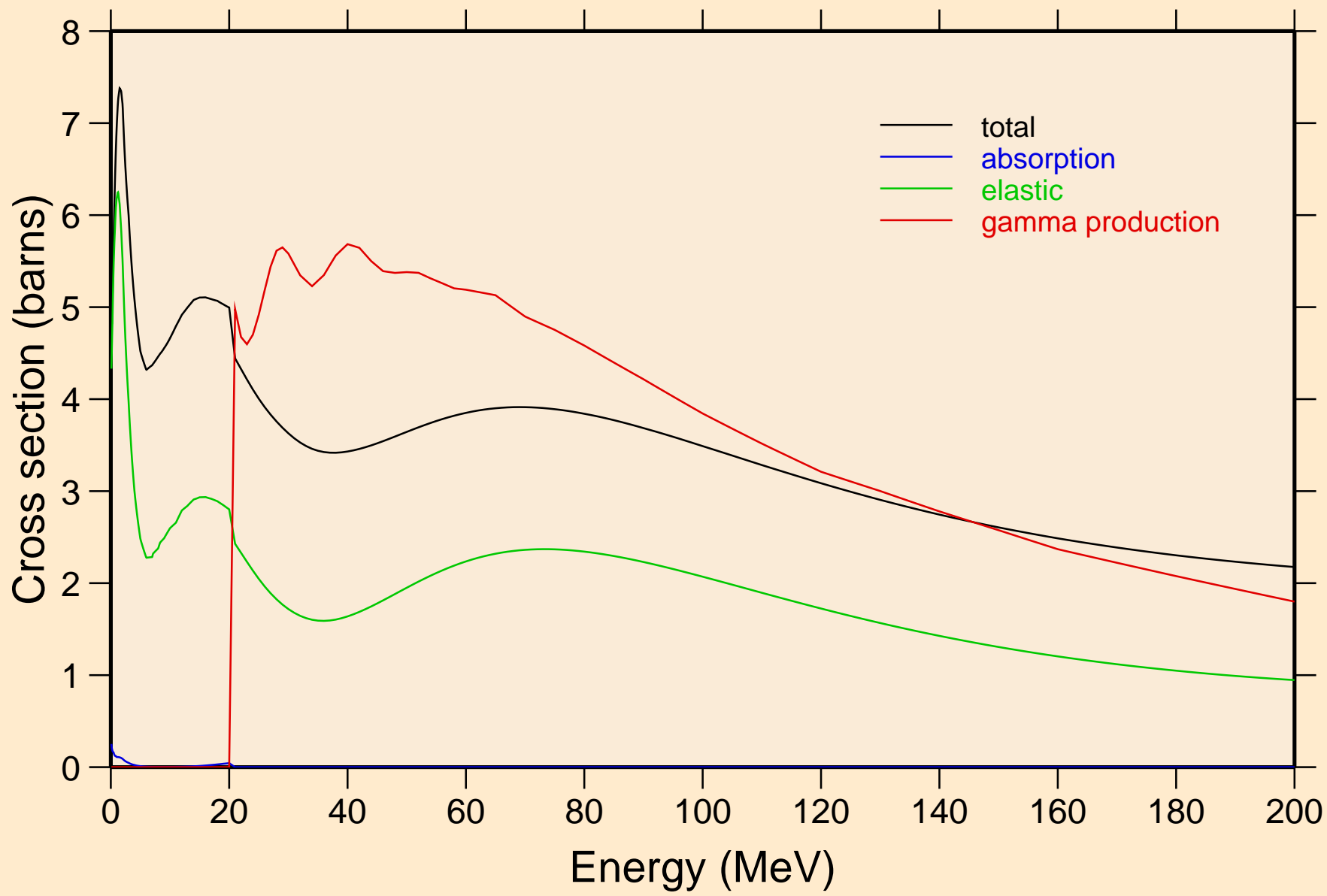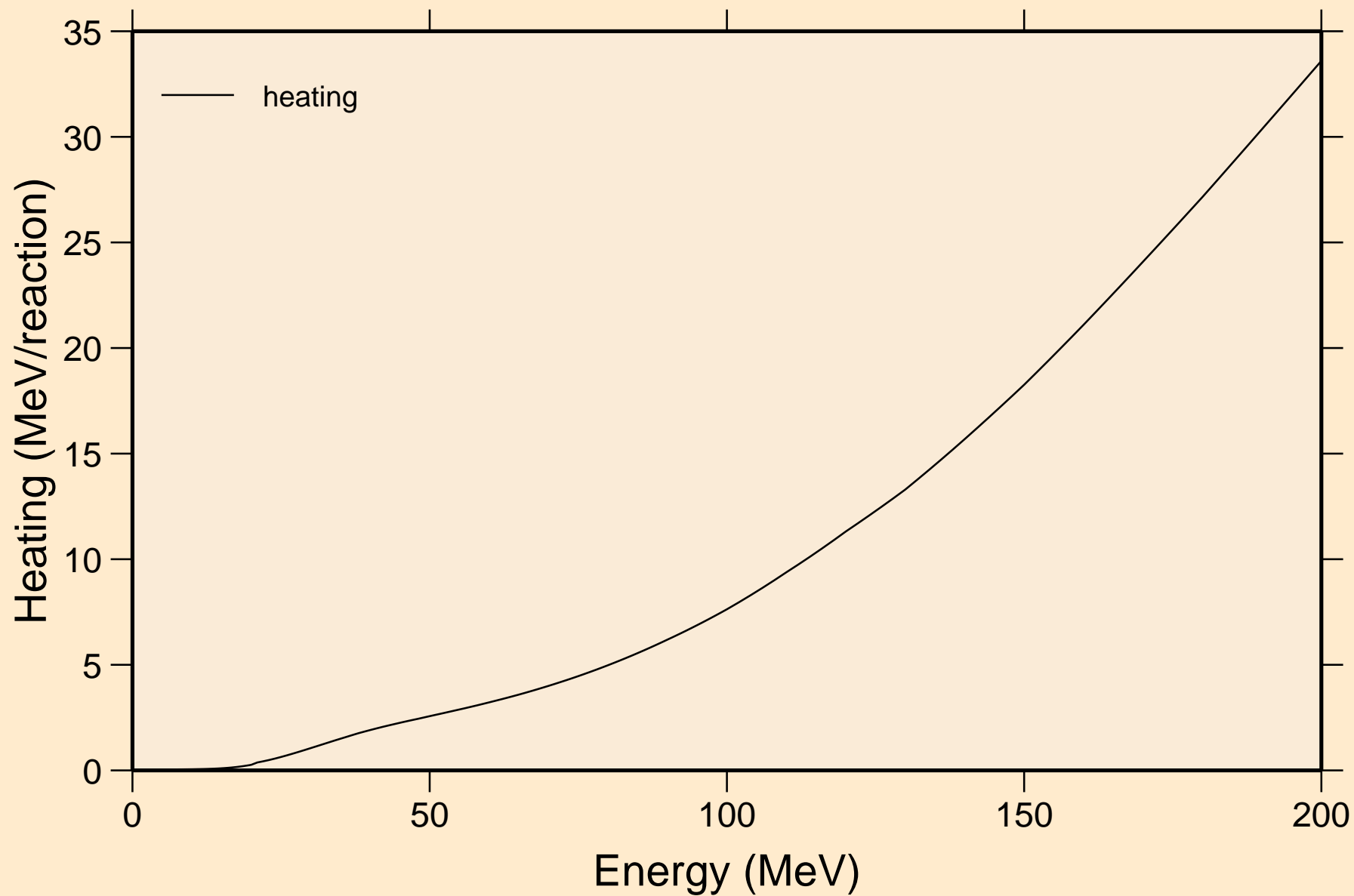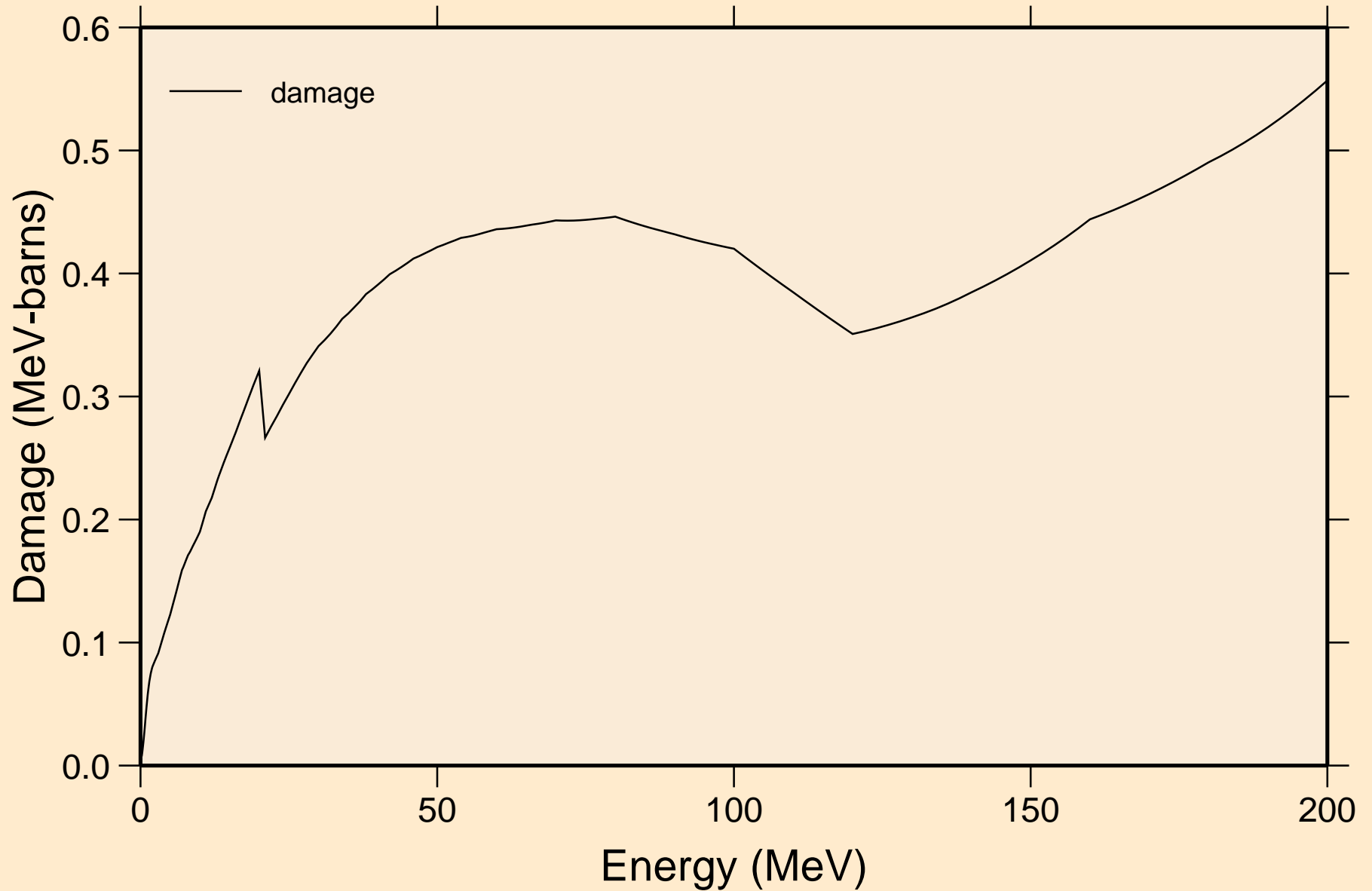Principal cross sections

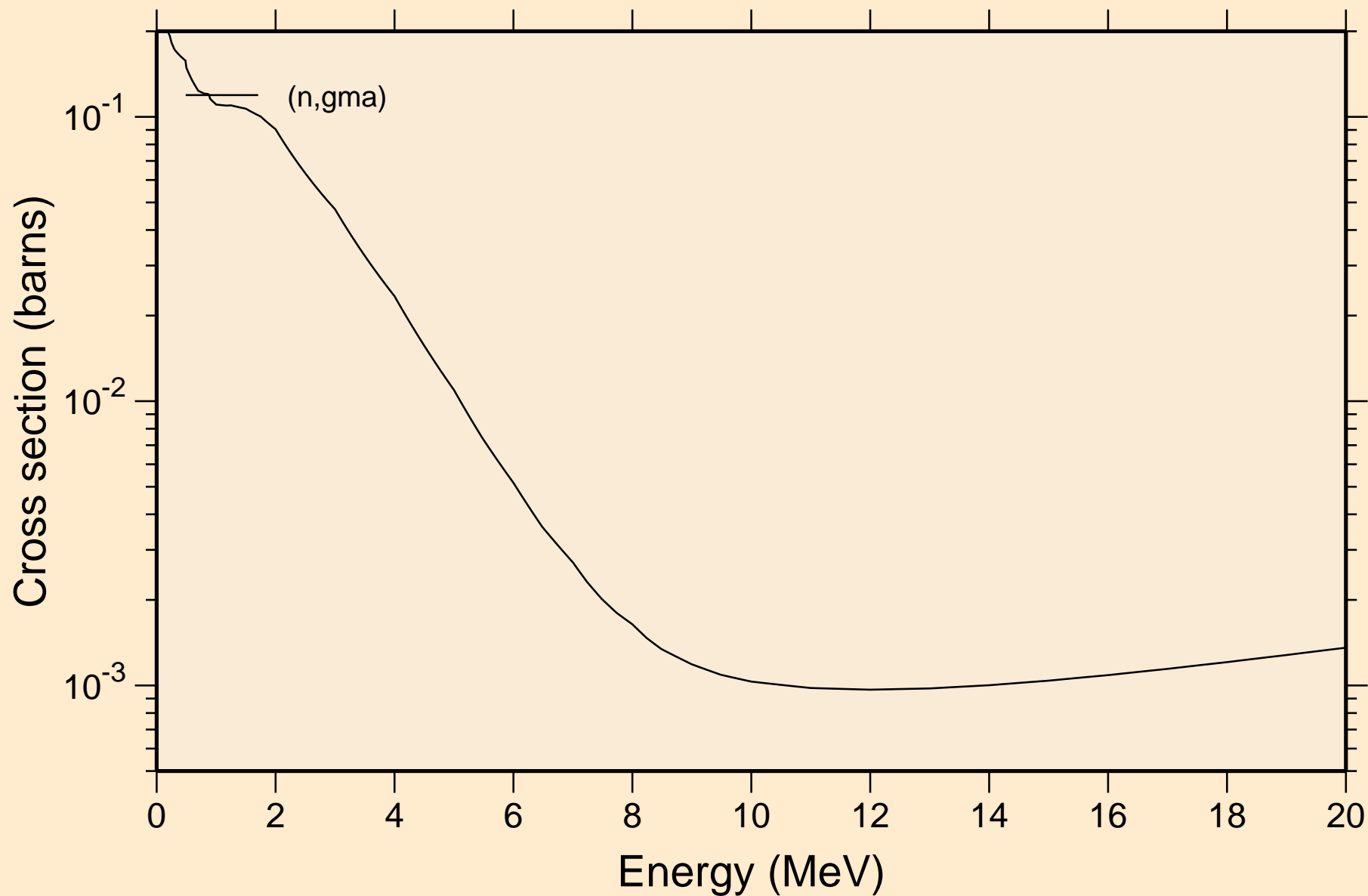56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
Heating

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
Damage

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
Non-threshold reactions

(n,gma)

Cross section (barns)

Energy (MeV)

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
Inelastic levels

Cross section (barns)

Energy (MeV)

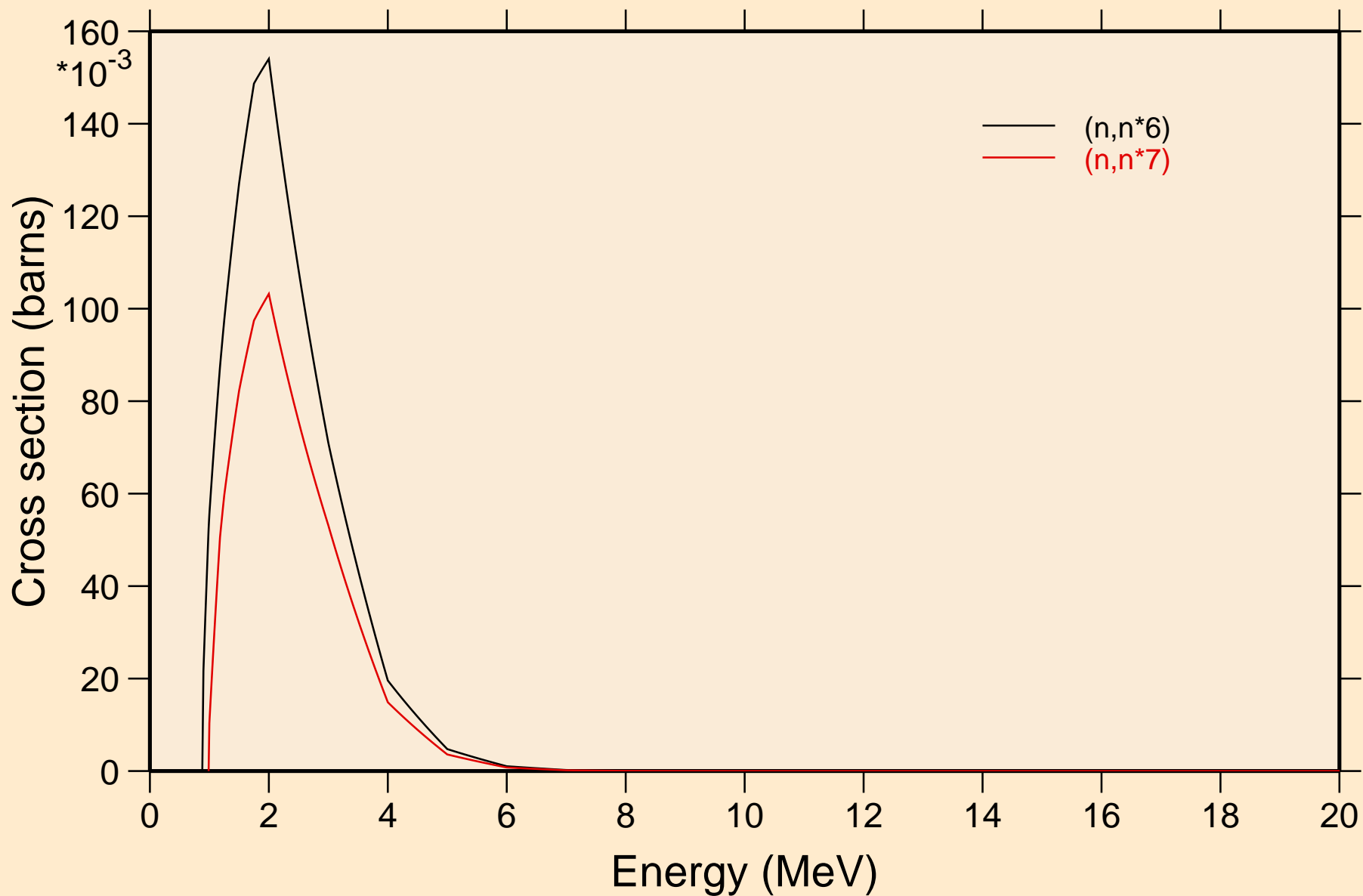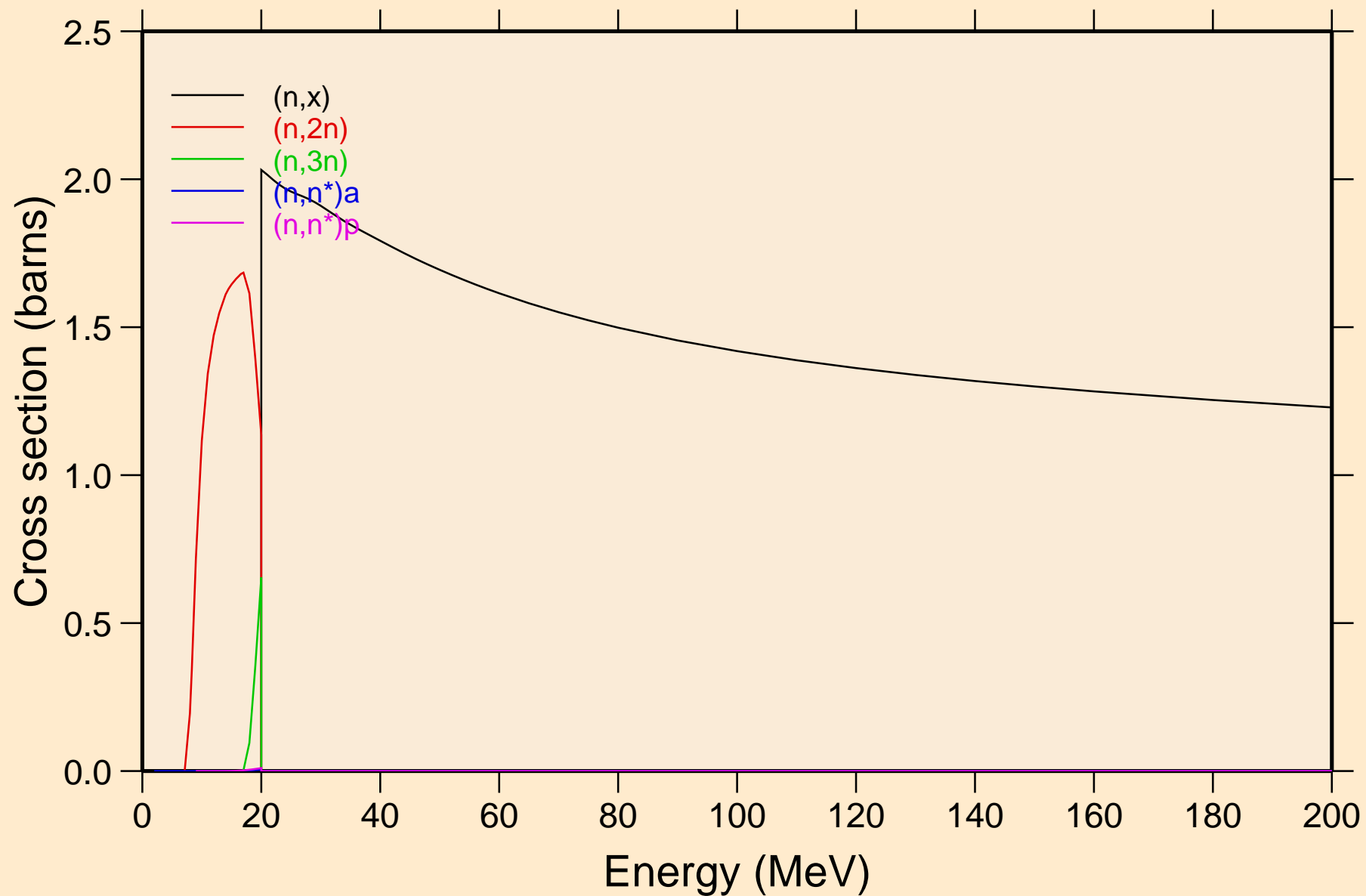(n,n*1)
(n,n*2)
(n,n*3)
(n,n*4)
(n,n*5)

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
Inelastic levels

(n,n*6)
(n,n*7)
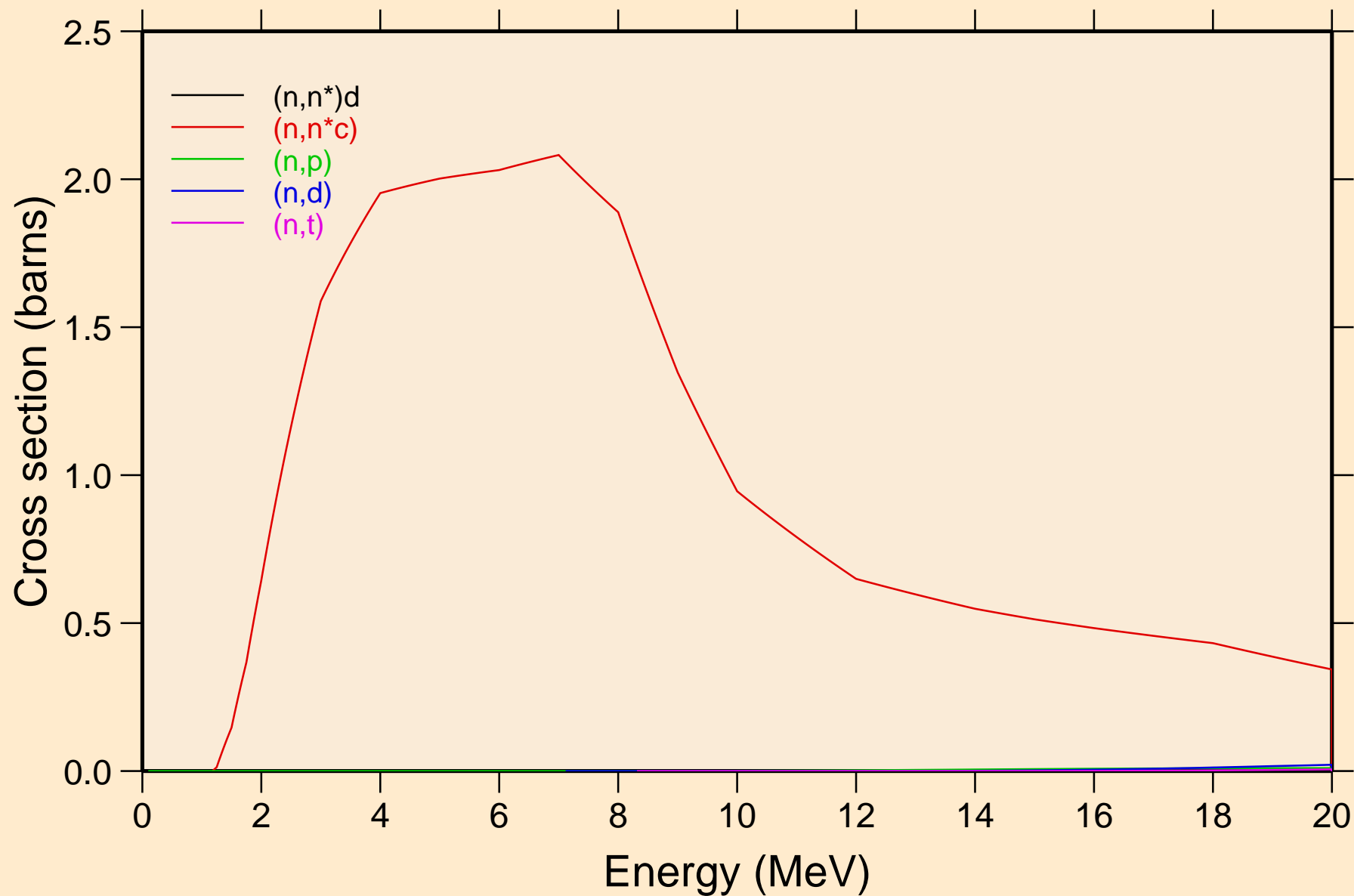
56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
Threshold reactions

Legend:
- (n,x) — black
- (n,2n) — red
- (n,3n) — green
- (n,n*)a — blue
- (n,n*)p — magenta

Y-axis: Cross section (barns)
X-axis: Energy (MeV)

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
Threshold reactions

Legend:
- (n,n*)d — black
- (n,n*c) — red
- (n,p) — green
- (n,d) — blue
- (n,t) — magenta

Cross section (barns) vs Energy (MeV)

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
Threshold reactions

Legend:
- (n,he3)
- (n,a)

X-axis: Energy (MeV)
Y-axis: Cross section (barns) *10⁻³

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
Threshold reactions

Legend:
- (n,xp) — black
- (n,xd) — red
- (n,xt) — green
- (n,xhe3) — blue
- (n,xa) — magenta

Y-axis: Cross section (barns)
X-axis: Energy (MeV)

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
angular distribution for elastic
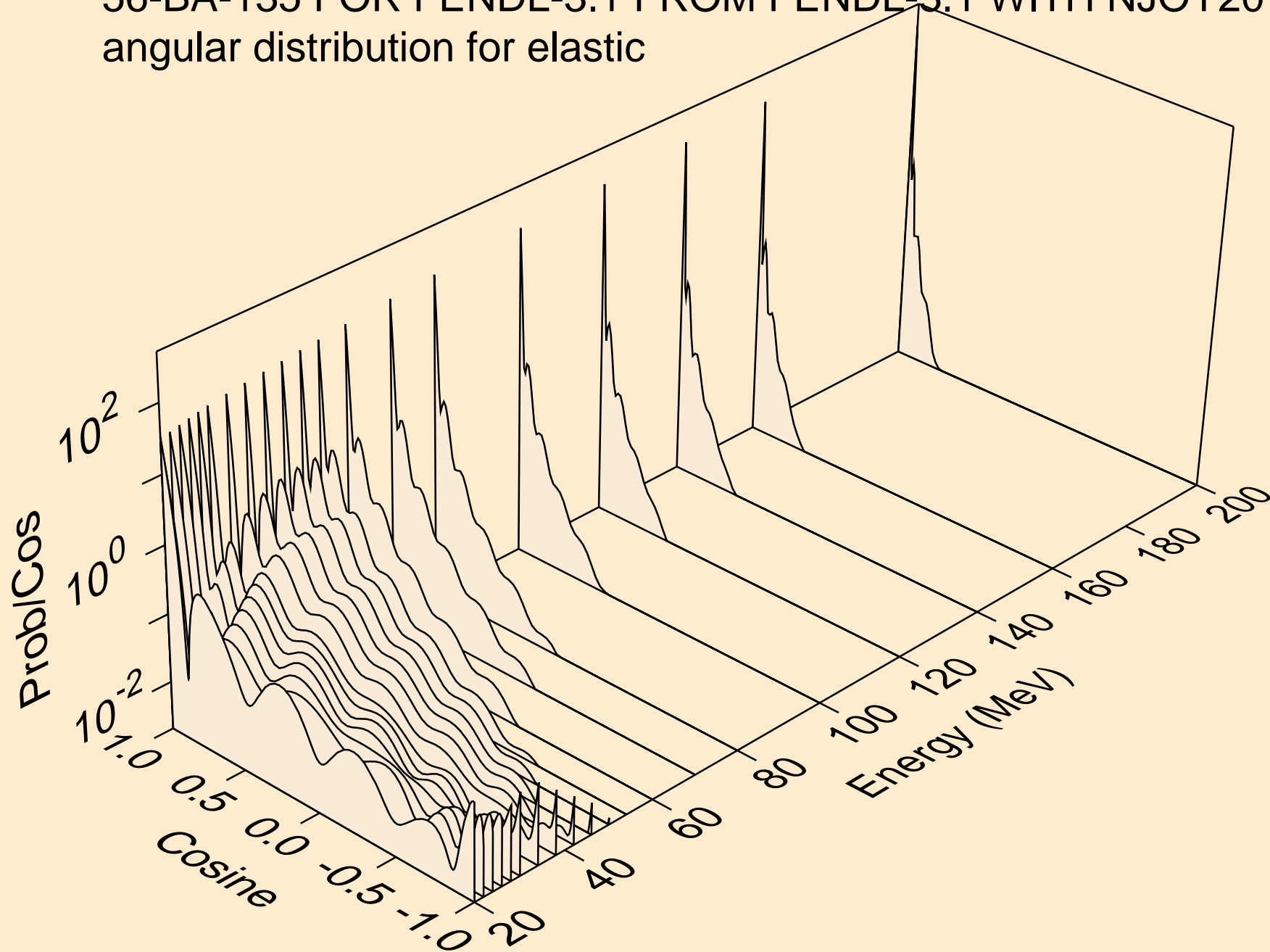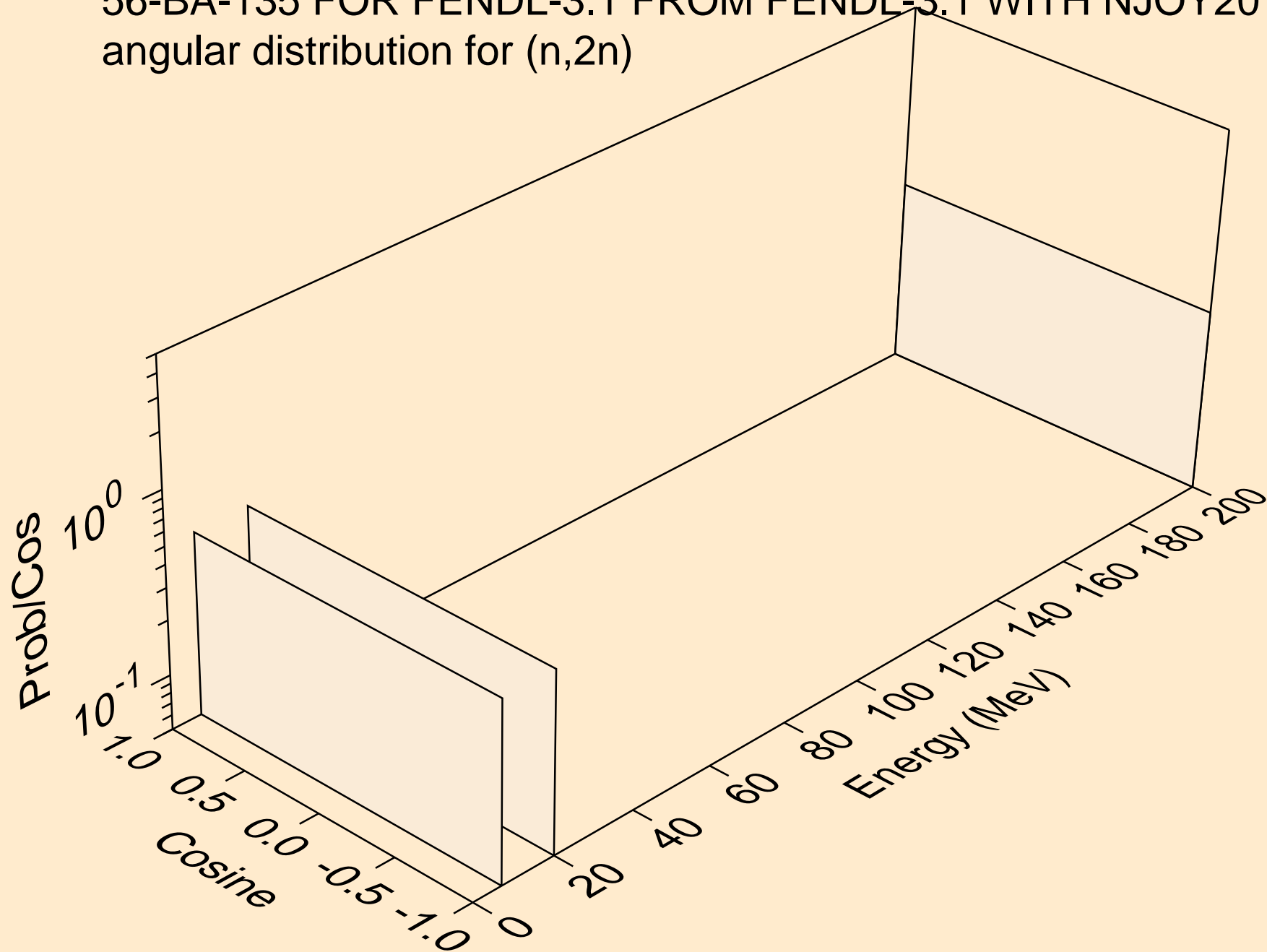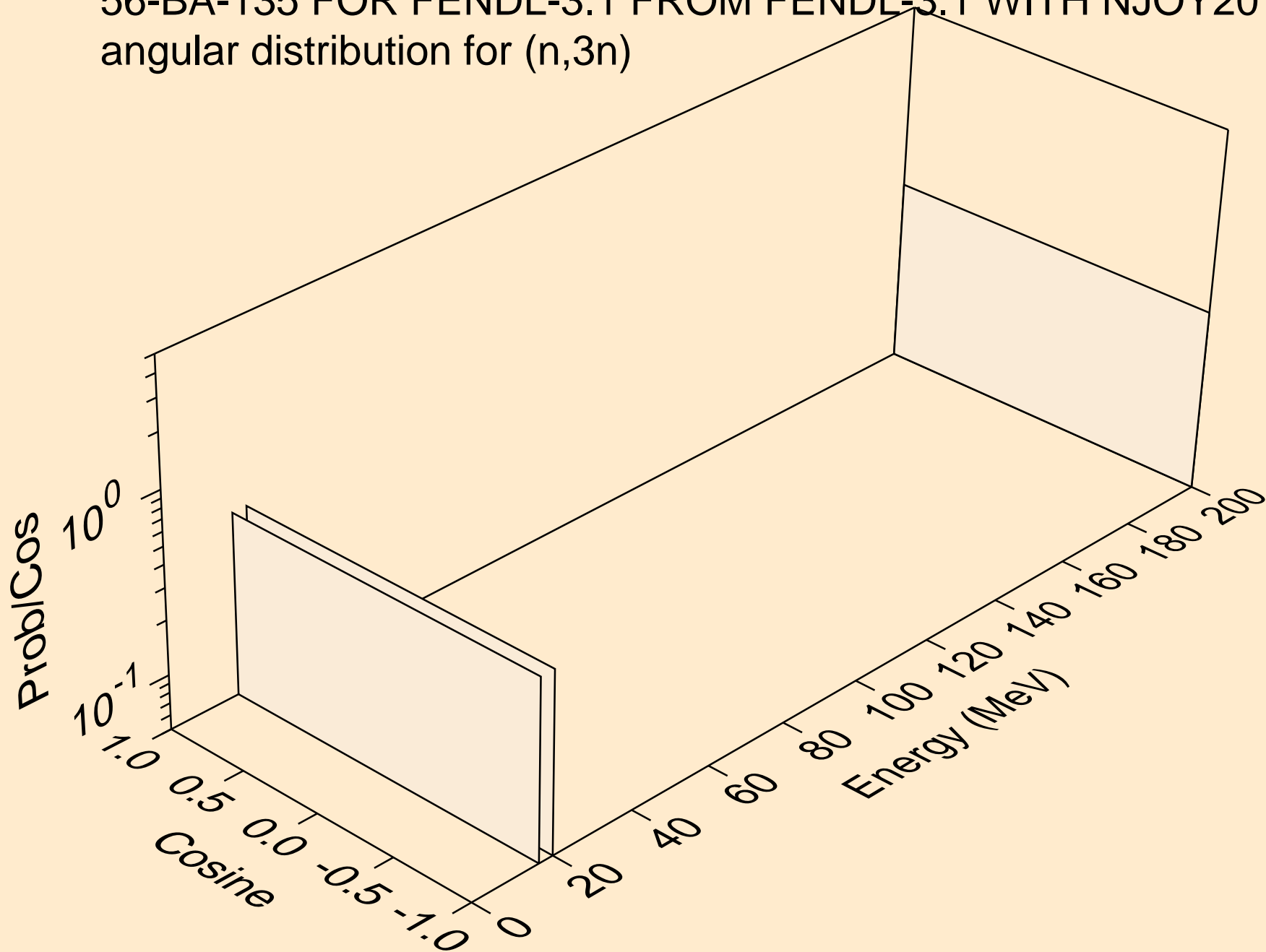
56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
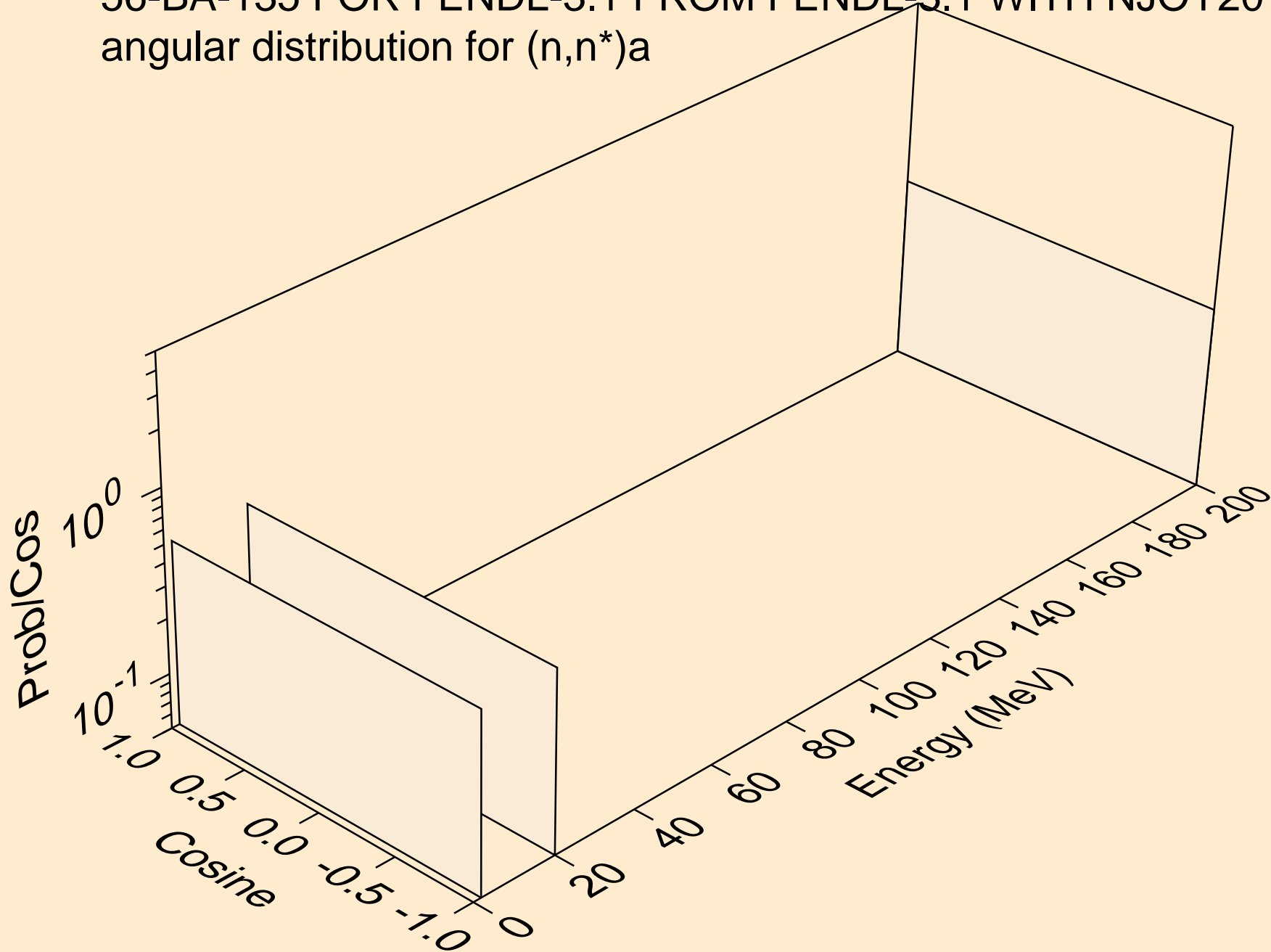angular distribution for elastic

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
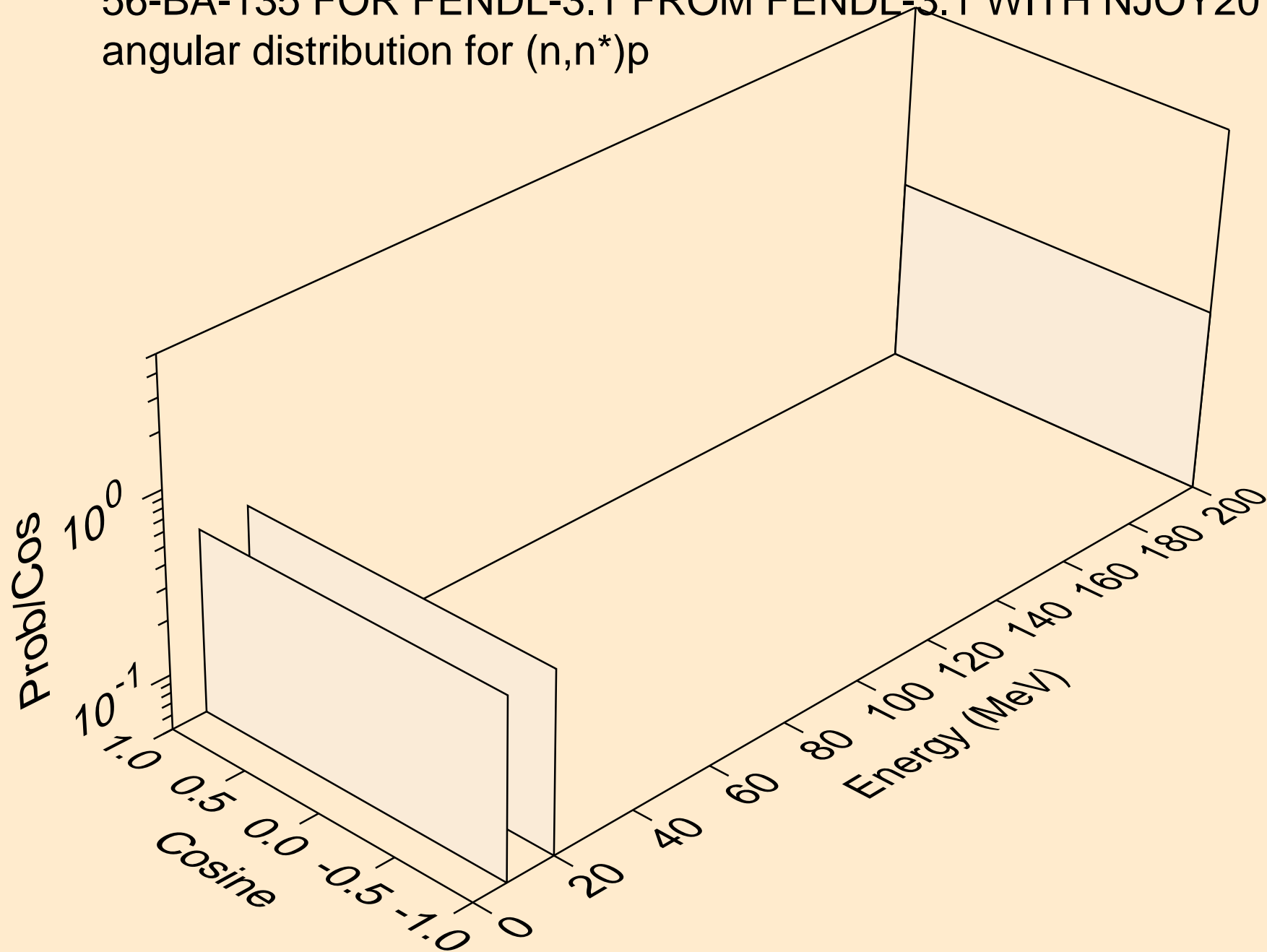angular distribution for (n,2n)

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
angular distribution for (n,3n)

ProbICos

10^0

10^{-1}

Cosine

1.0   0.5   0.0   -0.5   -1.0

0   20   40   60   80   100   120   140   160   180   200
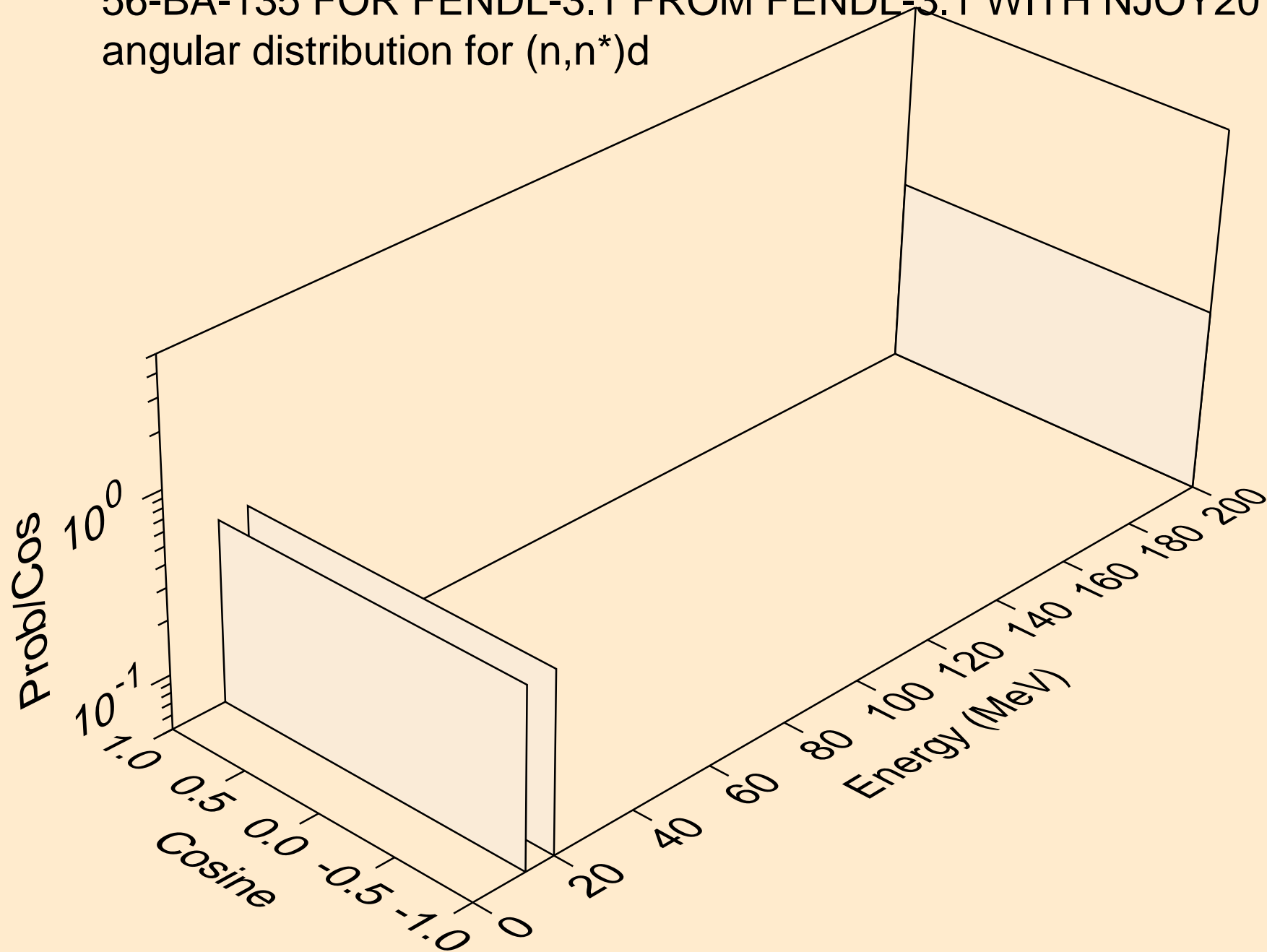
Energy (MeV)

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
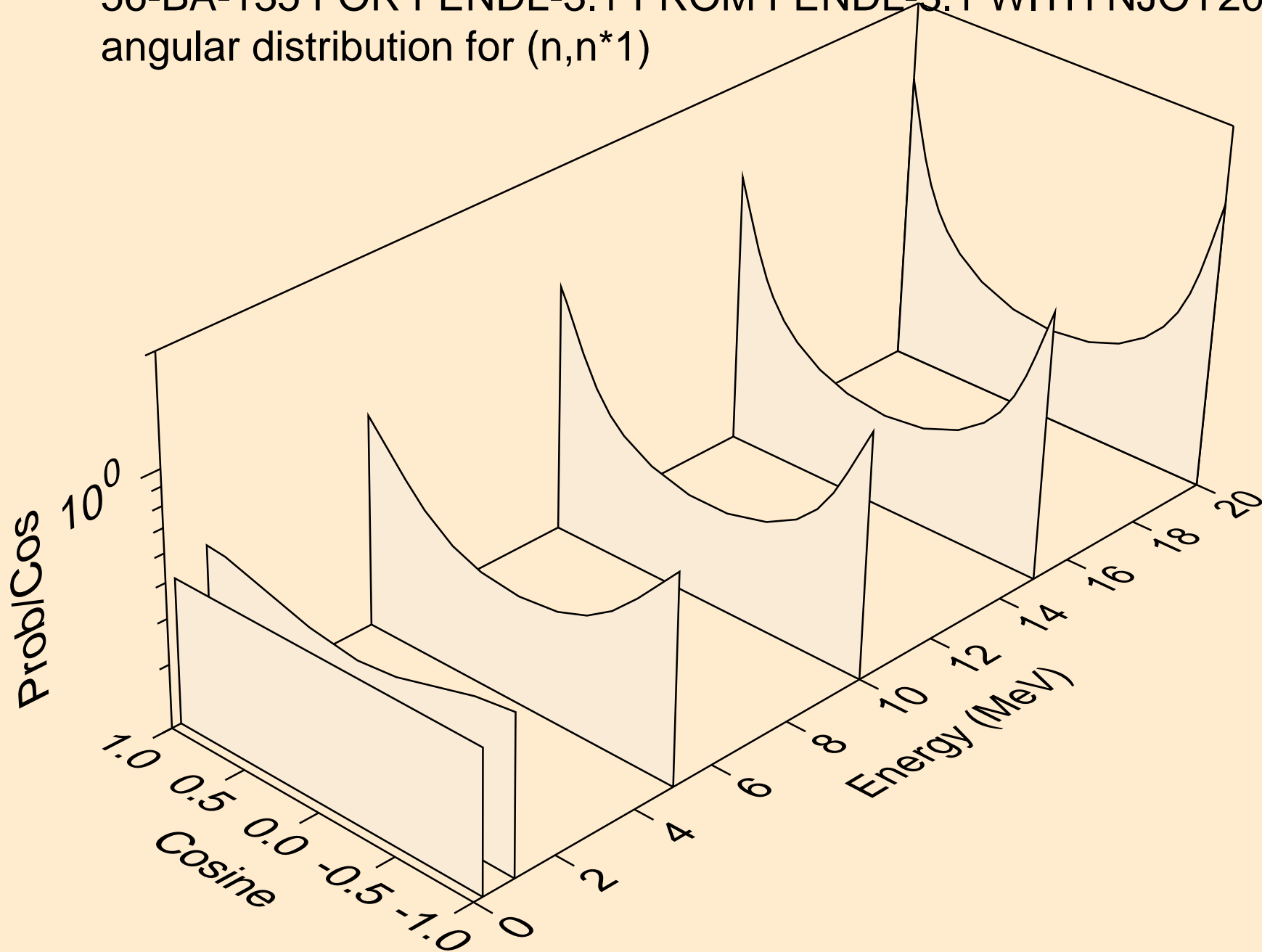angular distribution for (n,n*)a

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
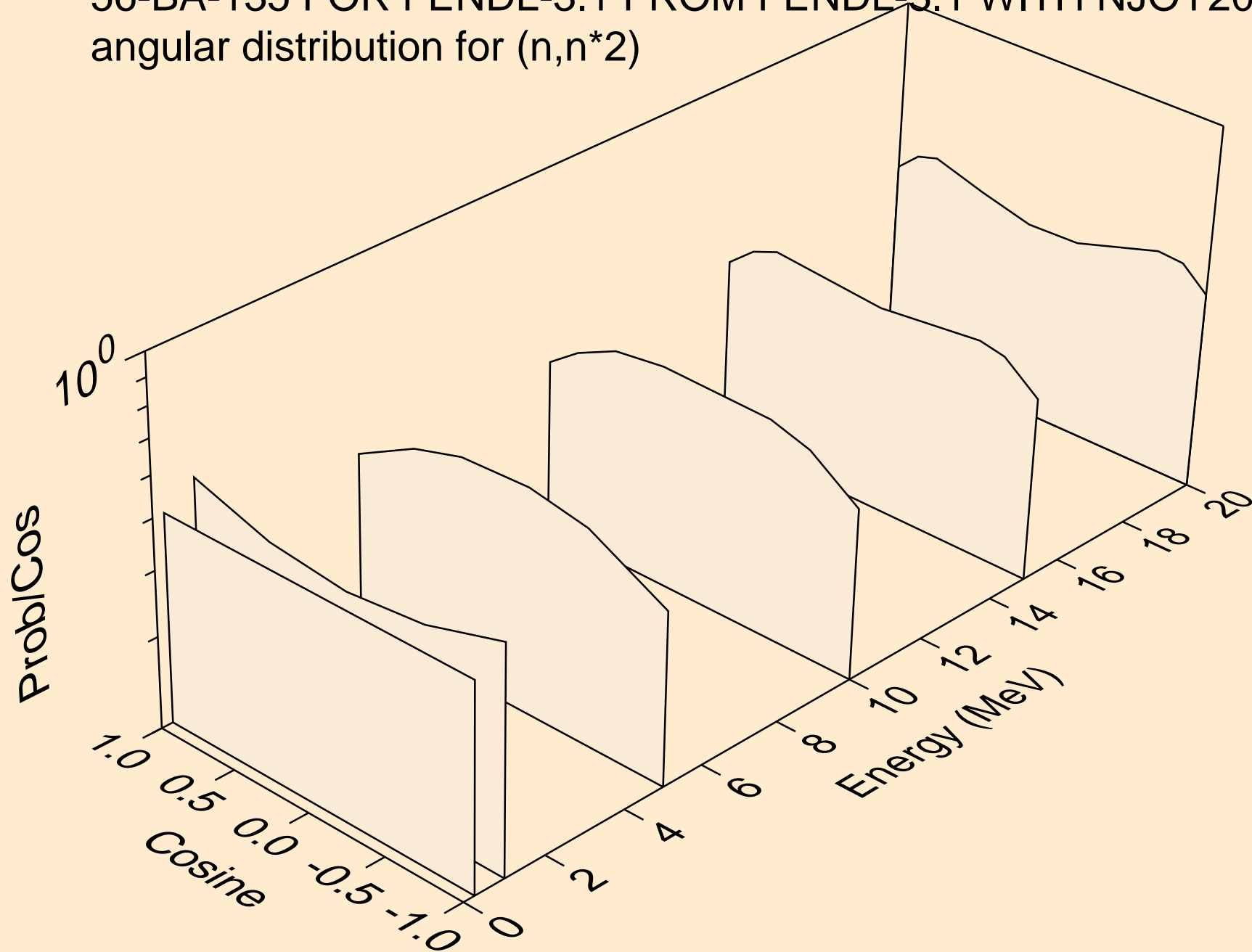angular distribution for (n,n*)p

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
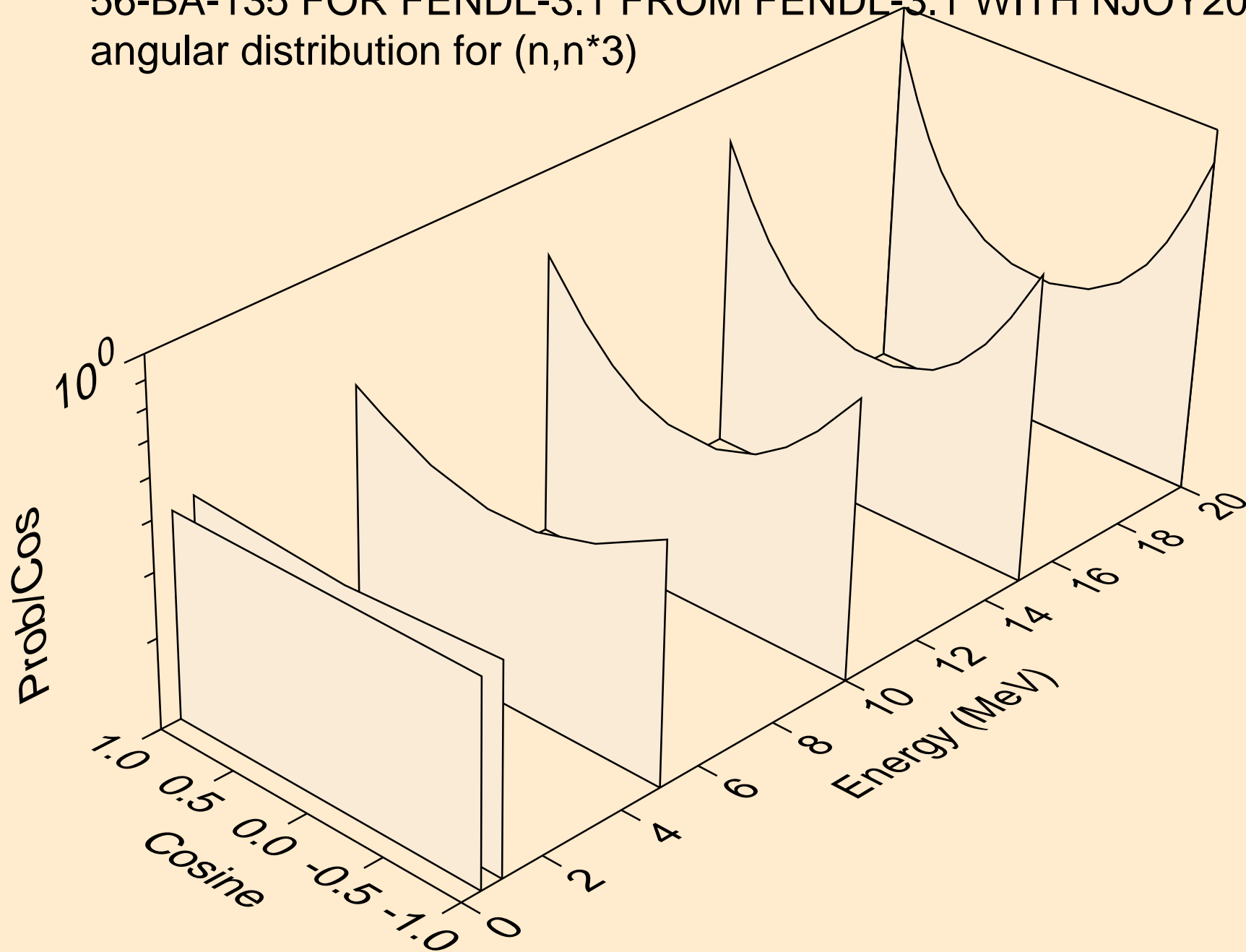angular distribution for (n,n*)d

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
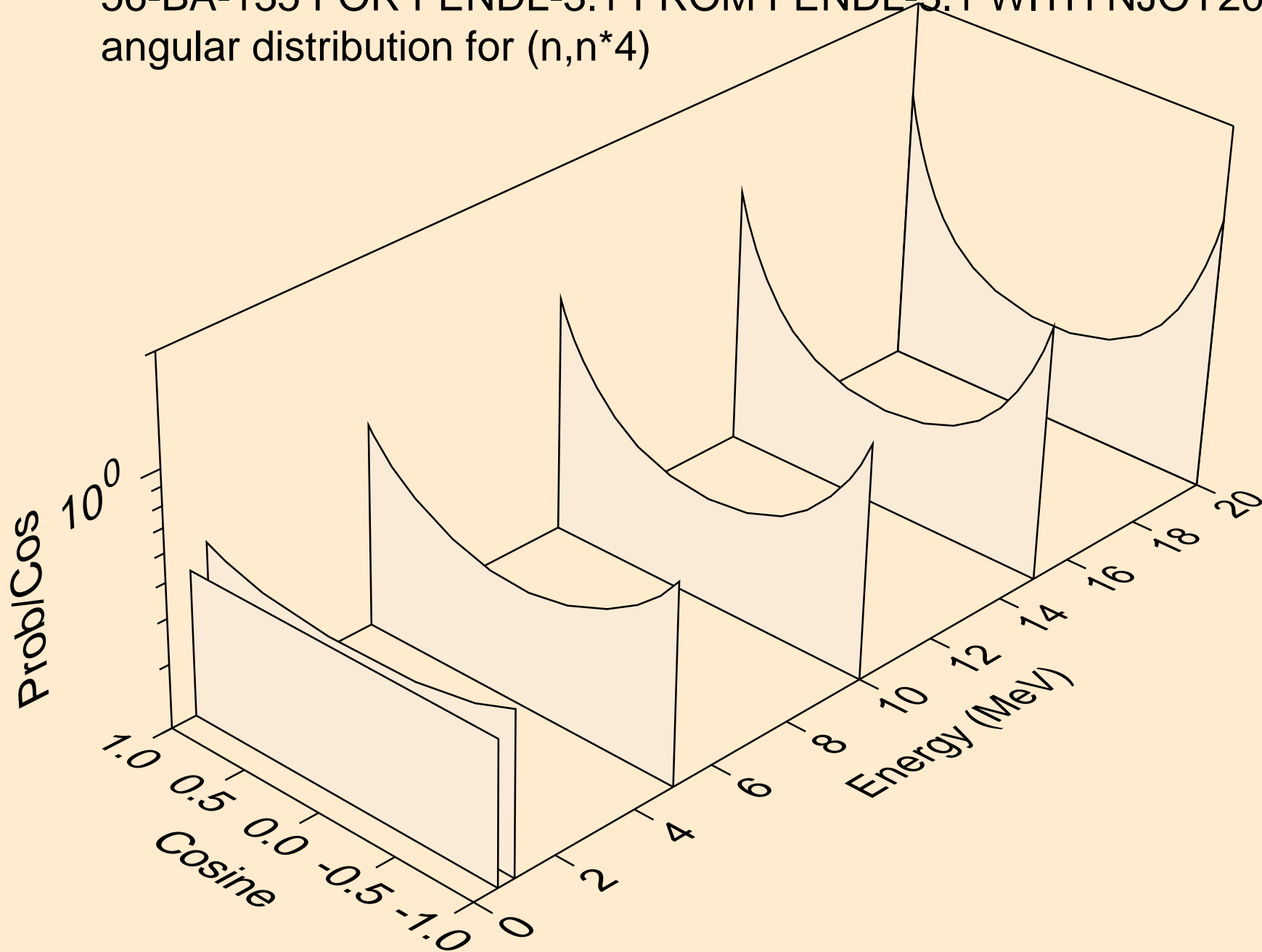angular distribution for (n,n*1)

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
angular distribution for (n,n*2)

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
angular distribution for (n,n*3)

10^0

ProbICos

Cosine

1.0 0.5 0.0 -0.5 -1.0
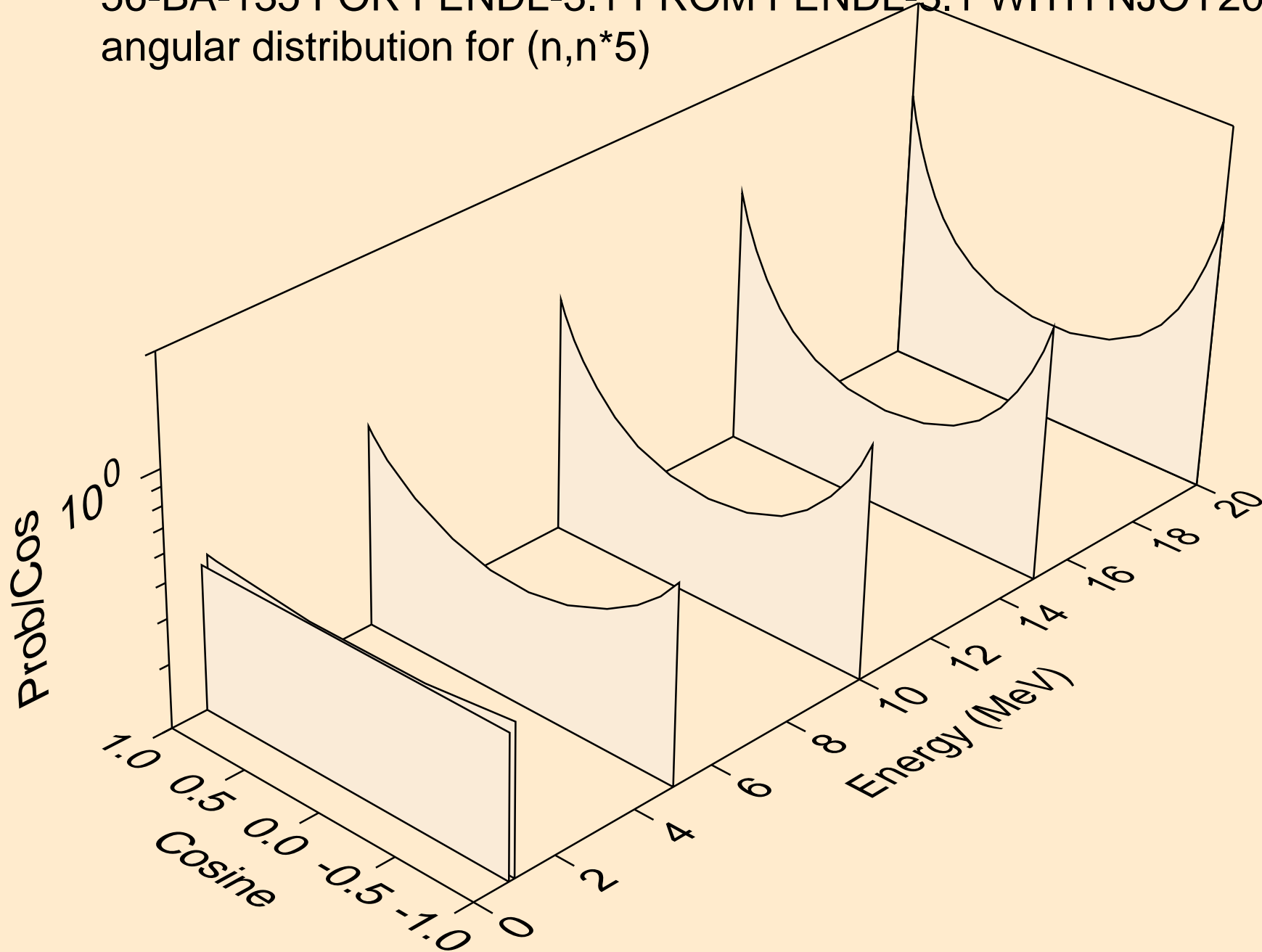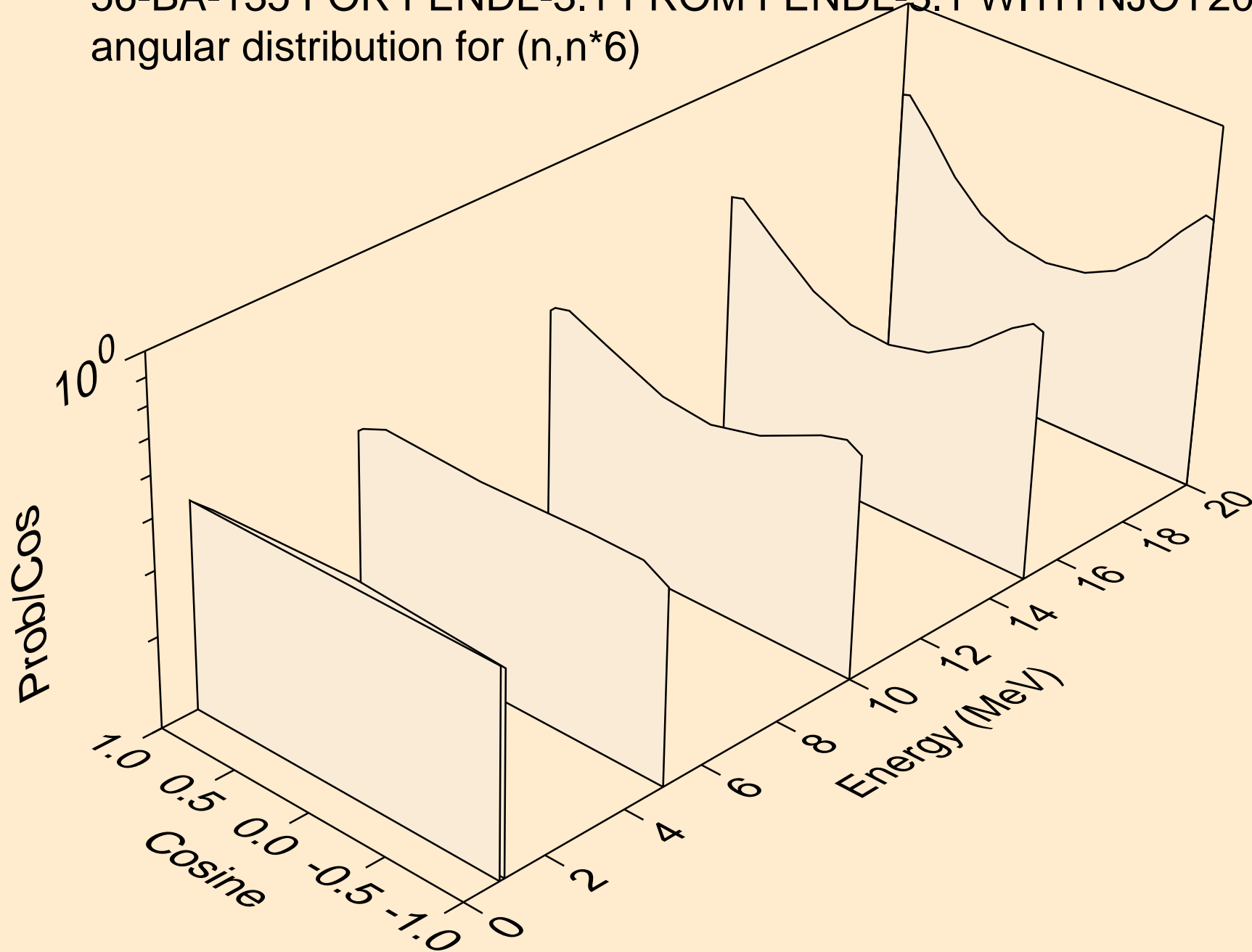
Energy (MeV)

0 2 4 6 8 10 12 14 16 18 20

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
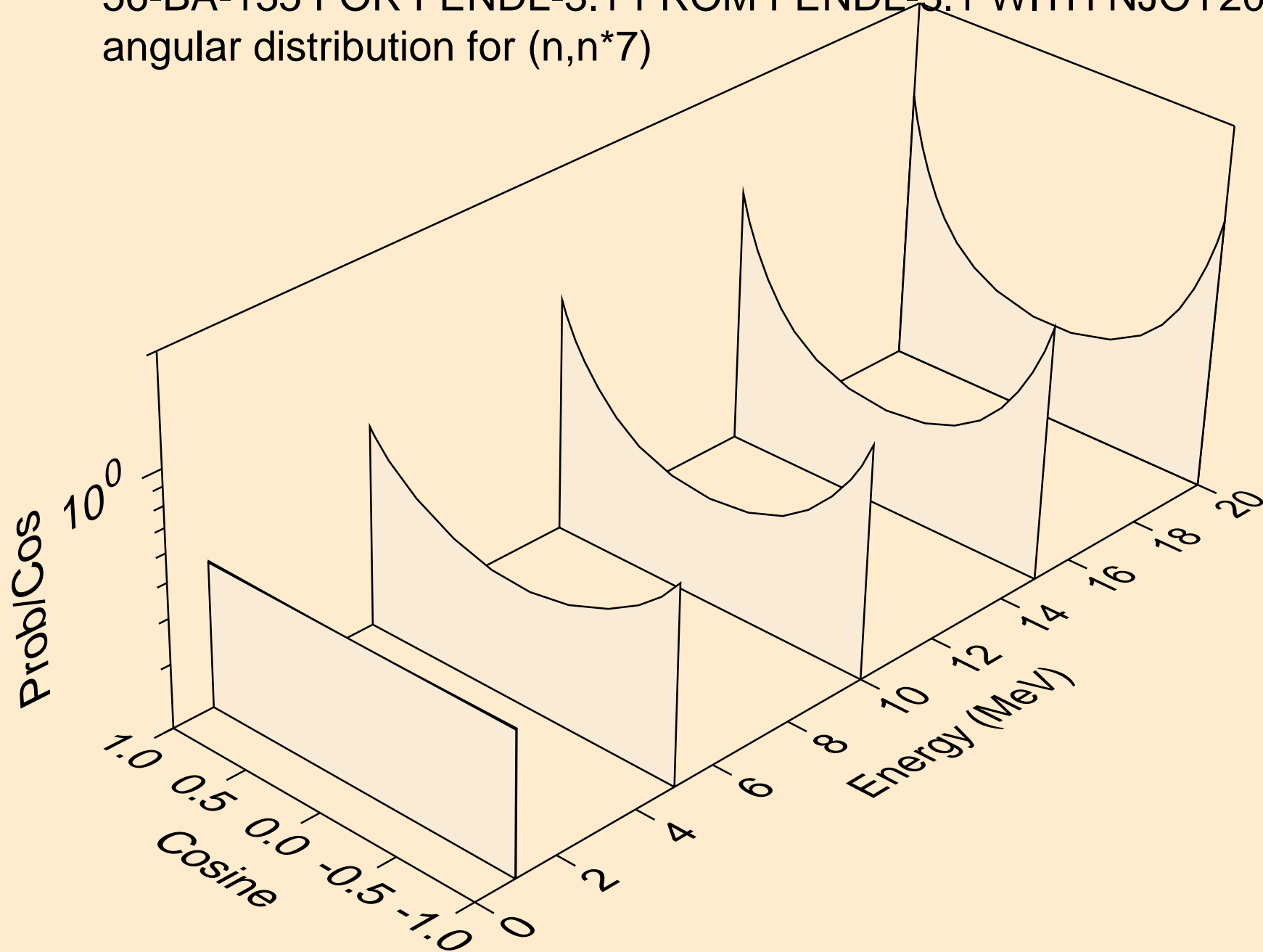angular distribution for (n,n*4)

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
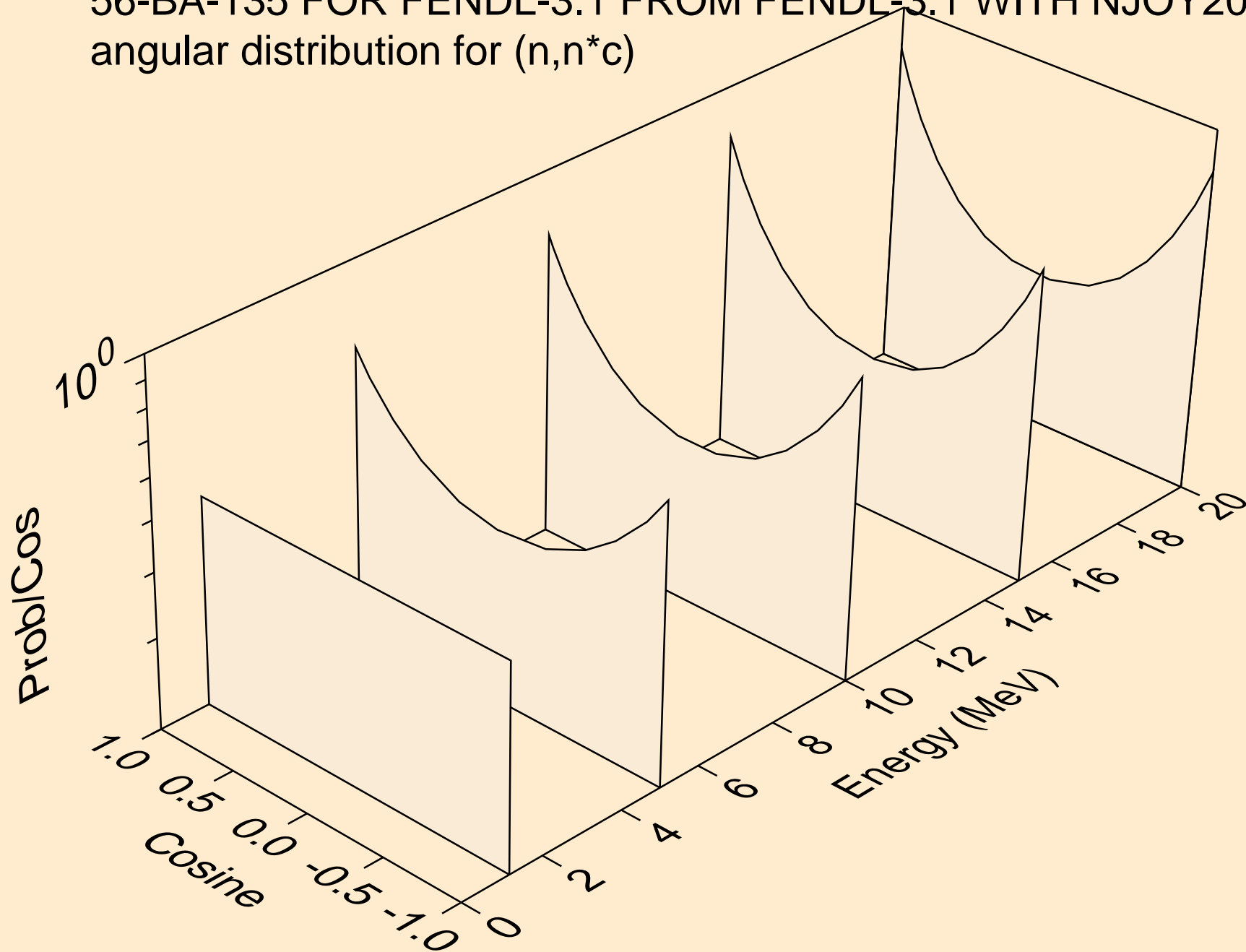angular distribution for (n,n*5)

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
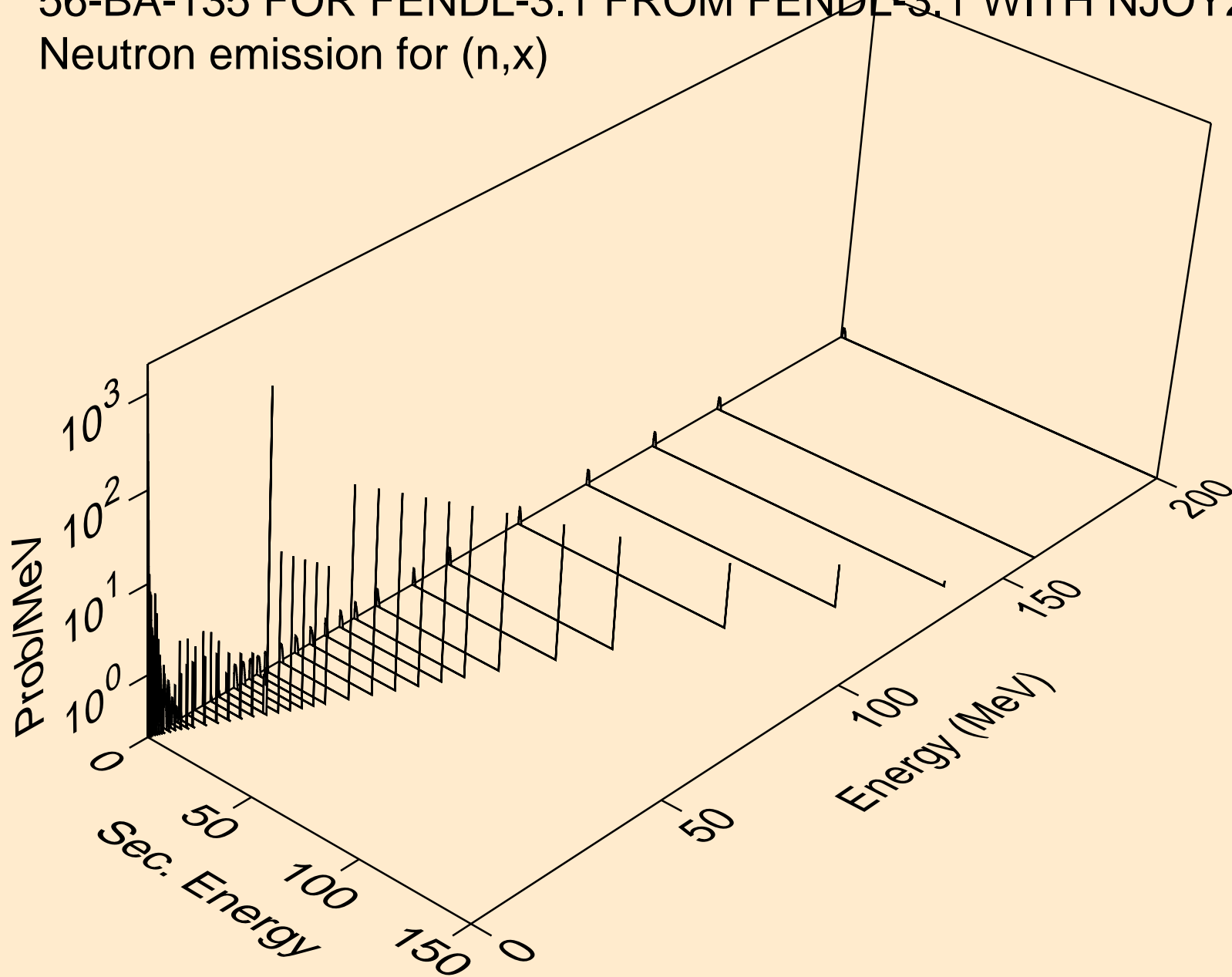angular distribution for (n,n*6)

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
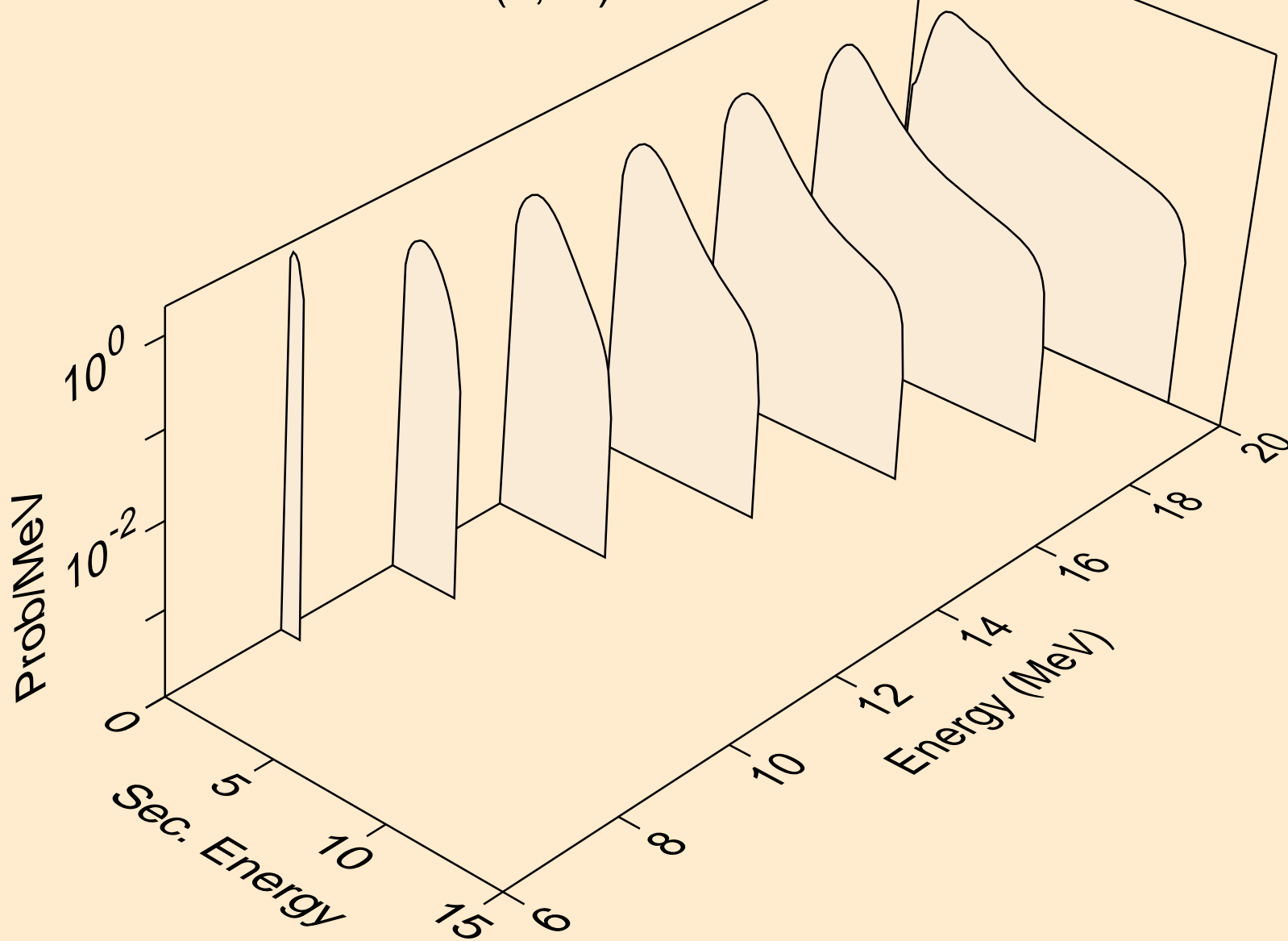angular distribution for (n,n*7)

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
angular distribution for (n,n*c)

ProbICos

10^0

Cosine

1.0   0.5   0.0   -0.5   -1.0

Energy (MeV)

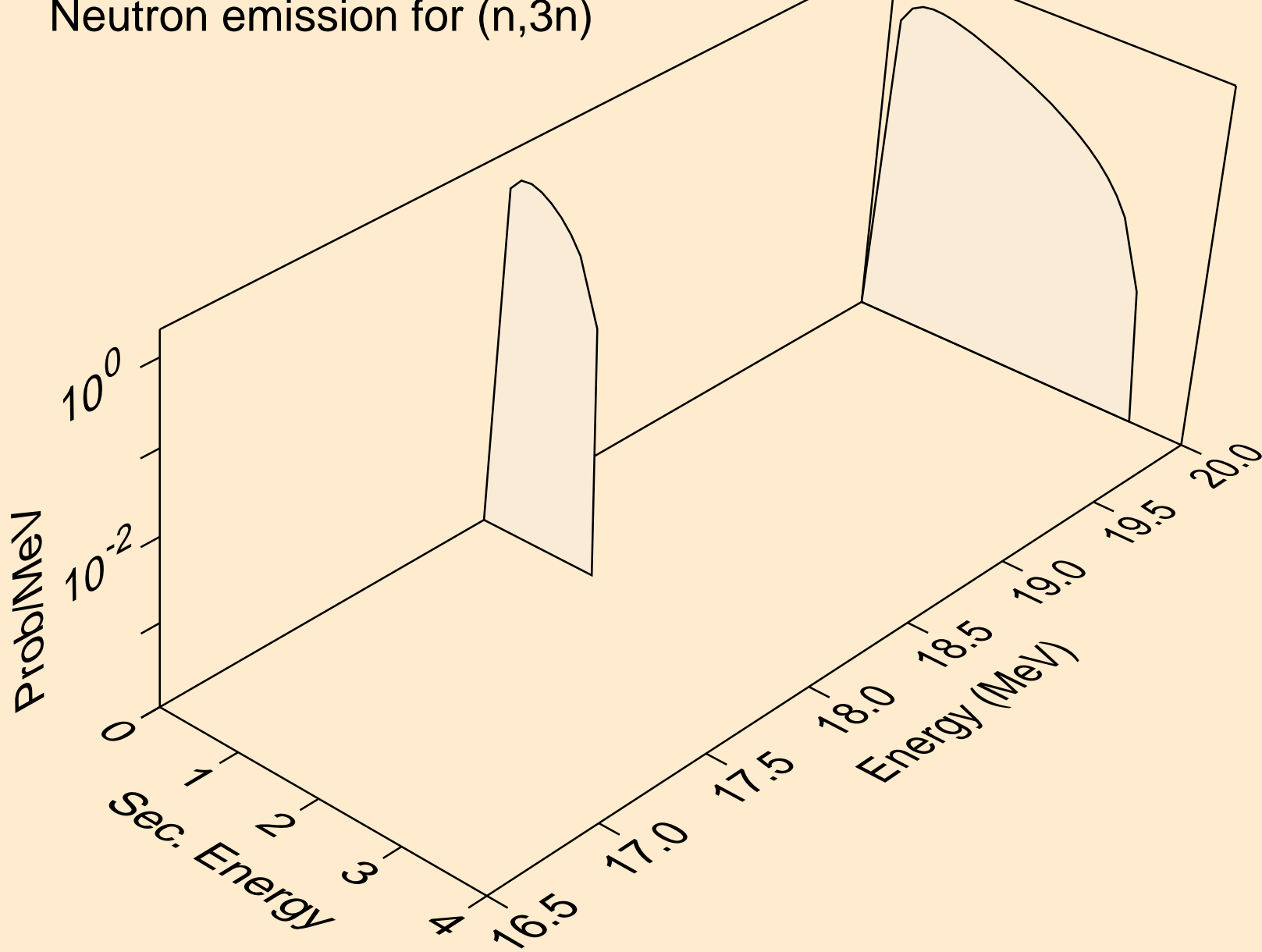0   2   4   6   8   10   12   14   16   18   20

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
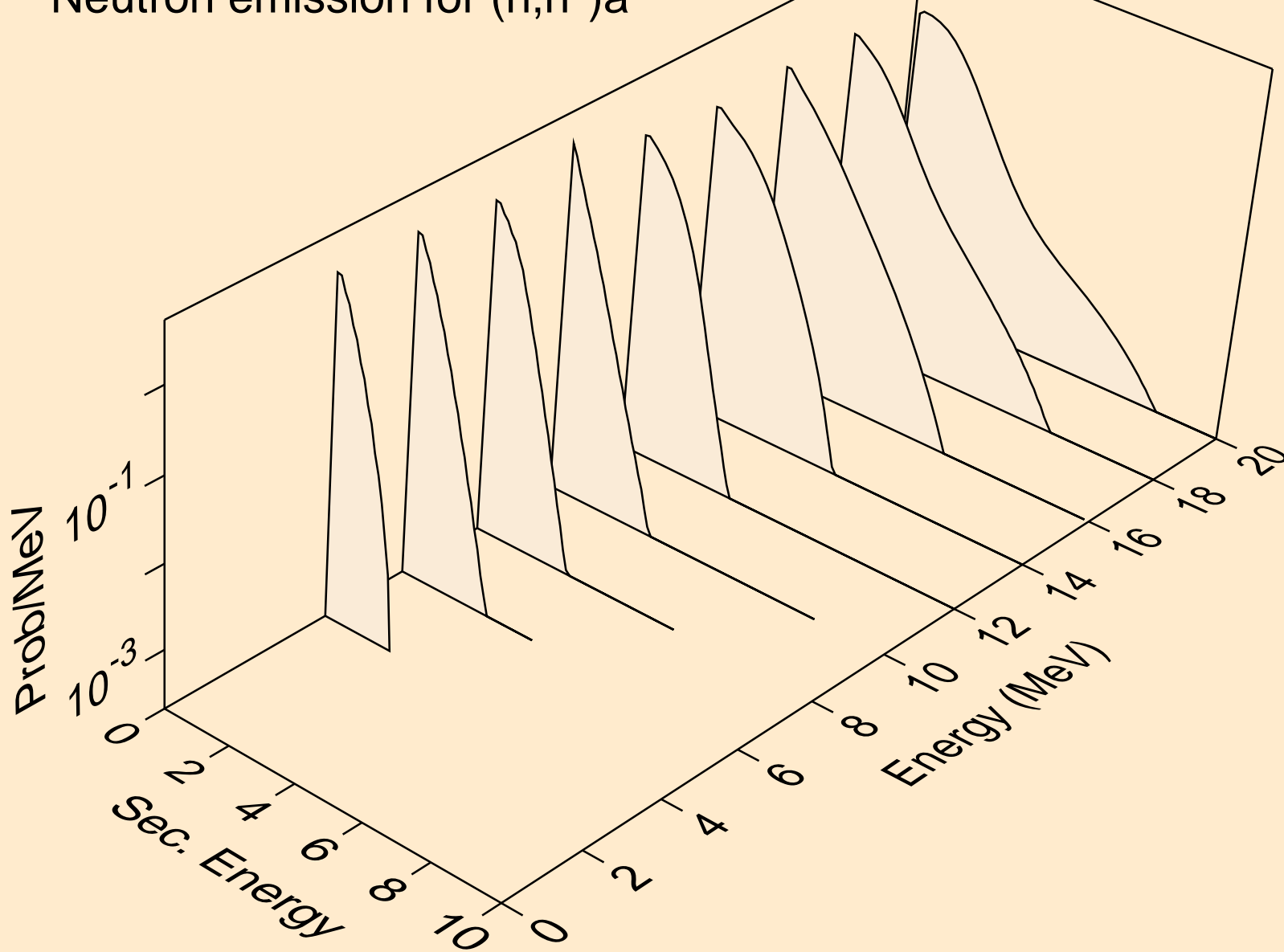Neutron emission for (n,x)

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
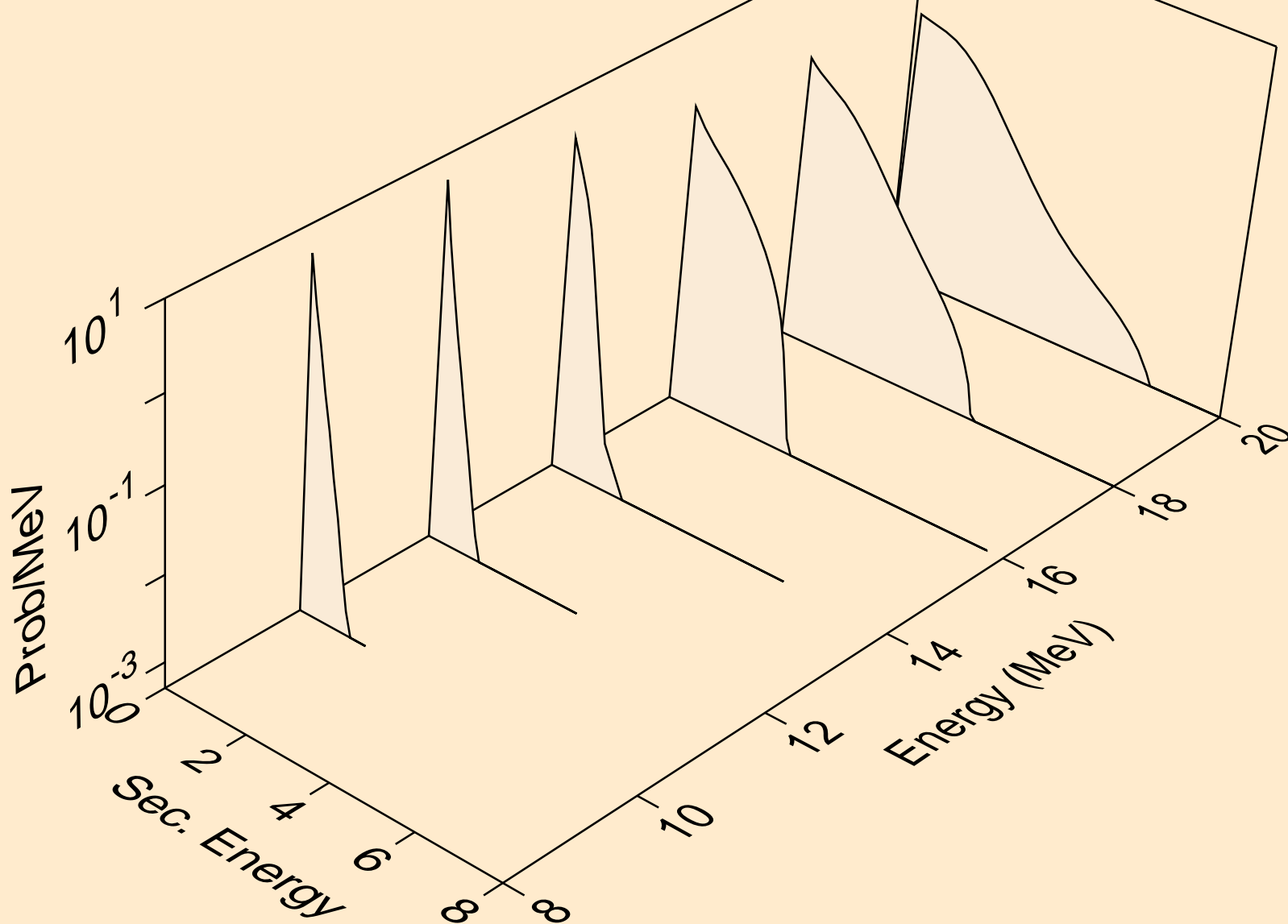Neutron emission for (n,2n)

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
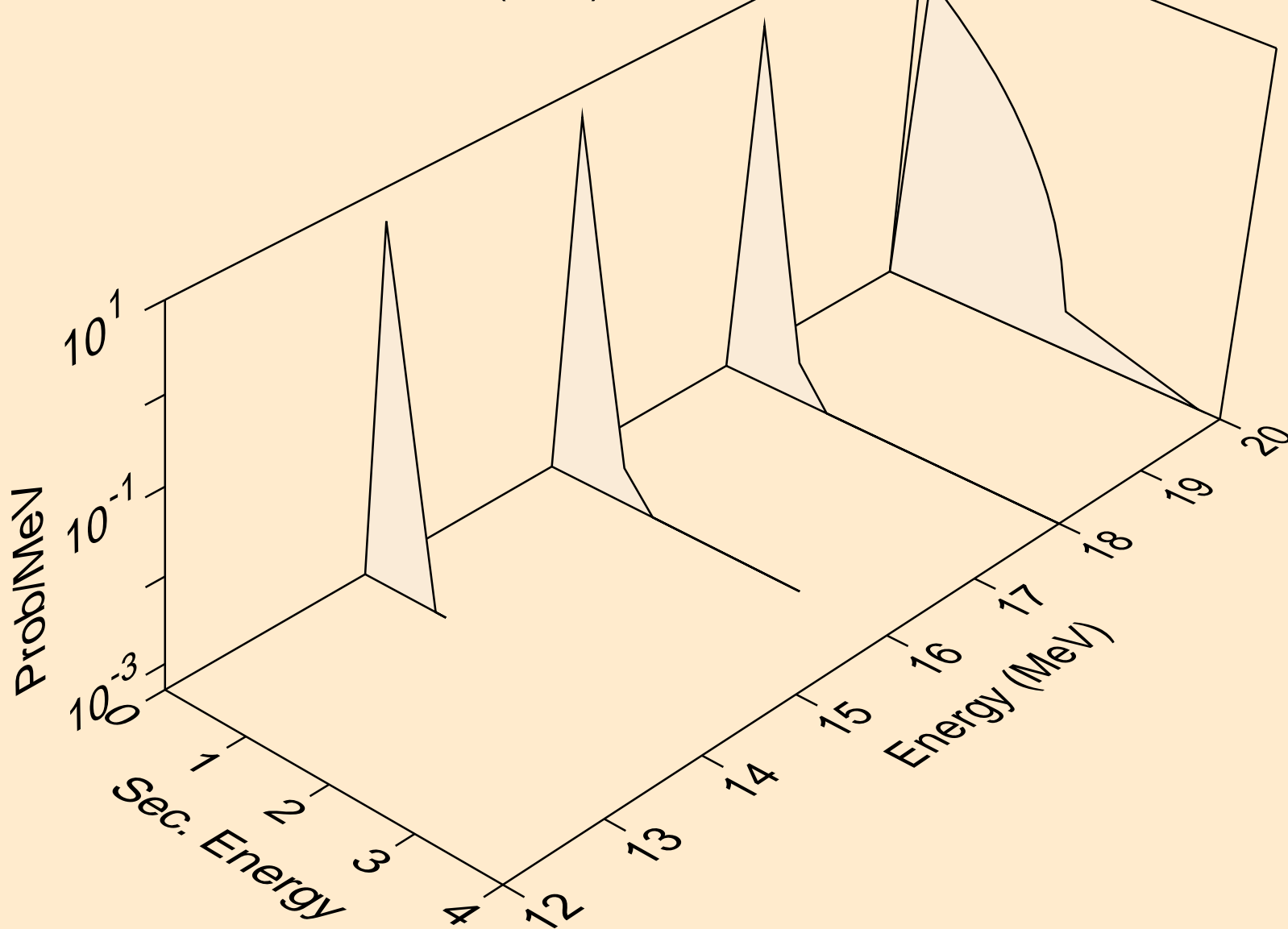Neutron emission for (n,3n)

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
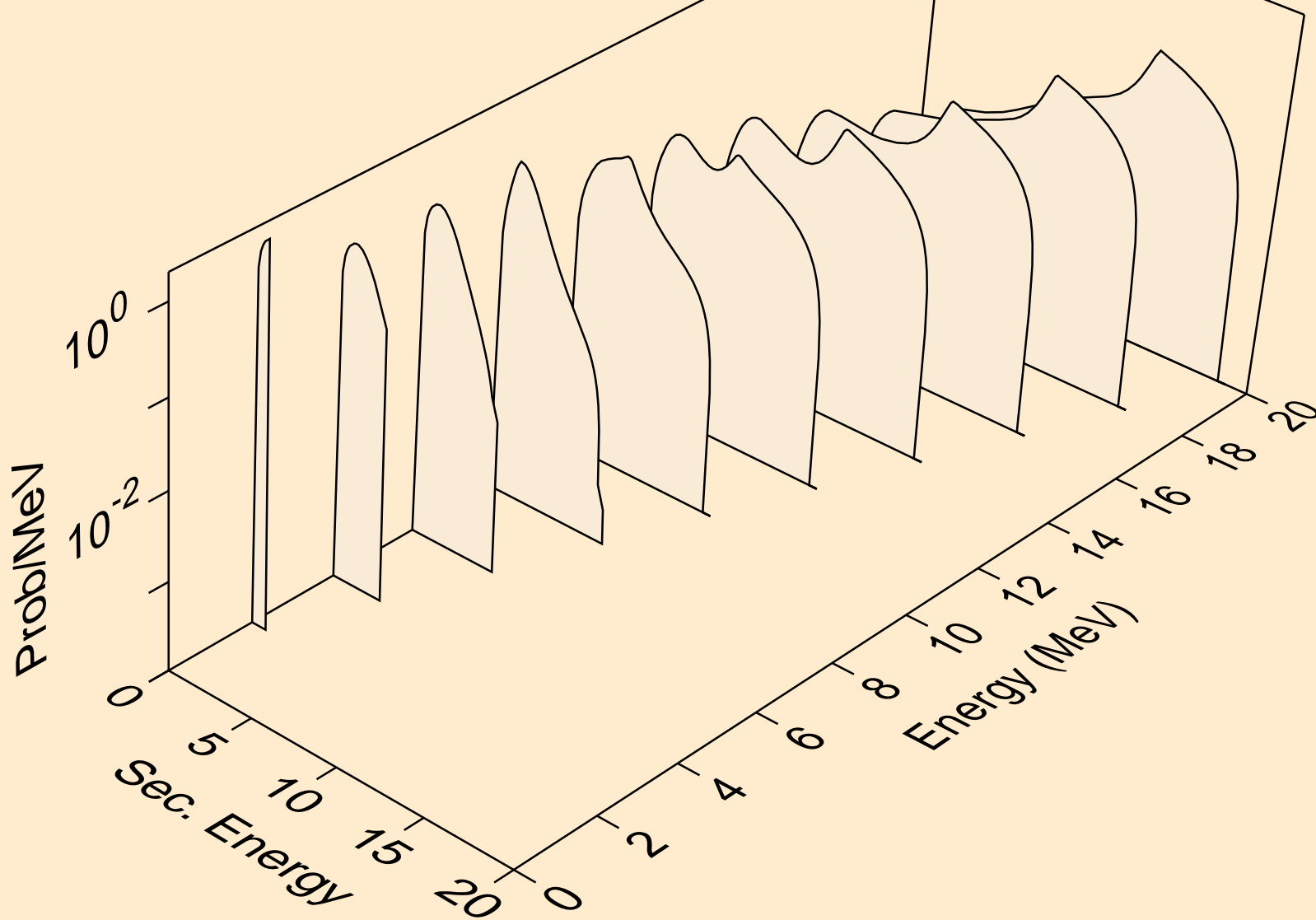Neutron emission for (n,n*)a

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
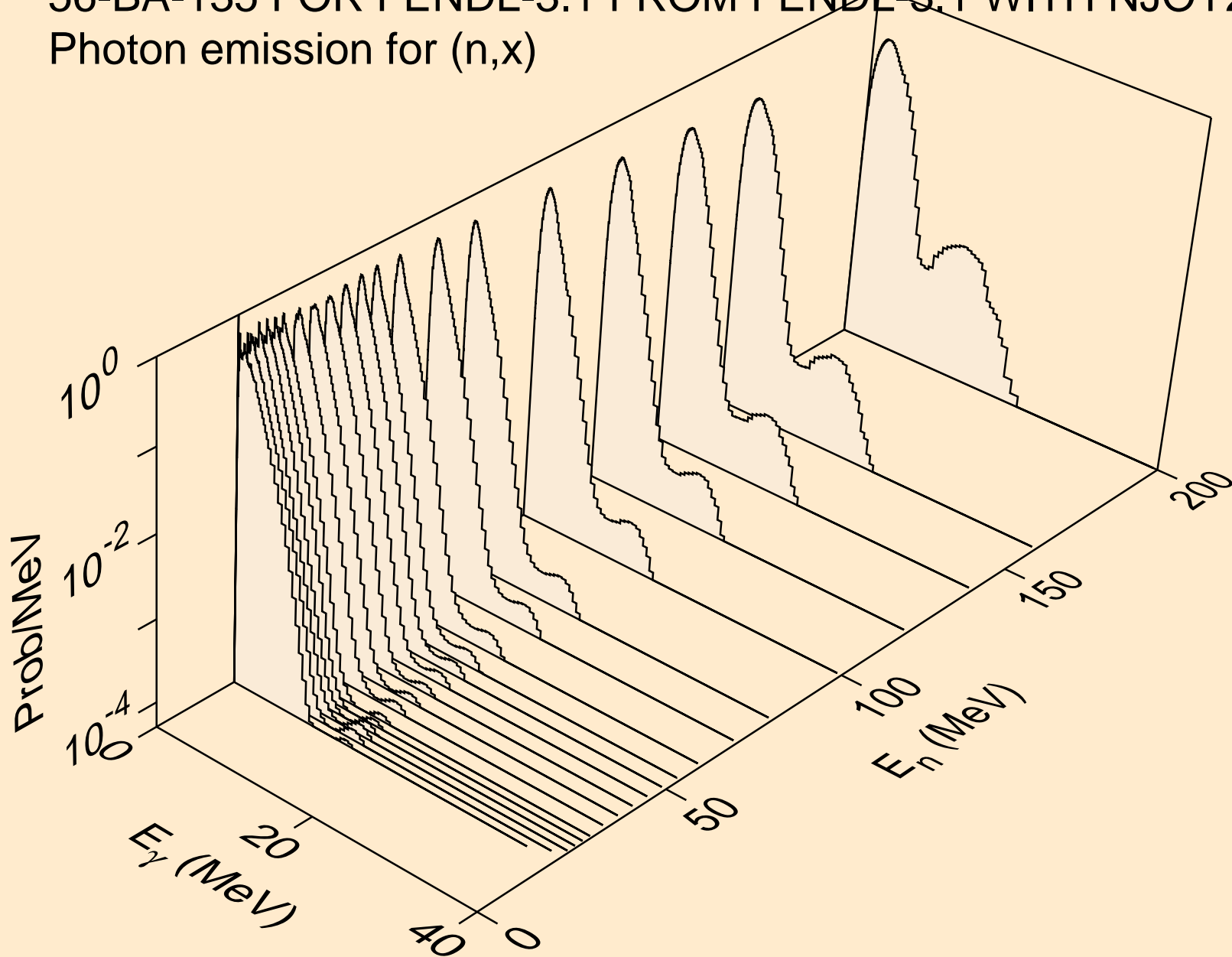Neutron emission for (n,n*)p

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
Neutron emission for (n,n*)d

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
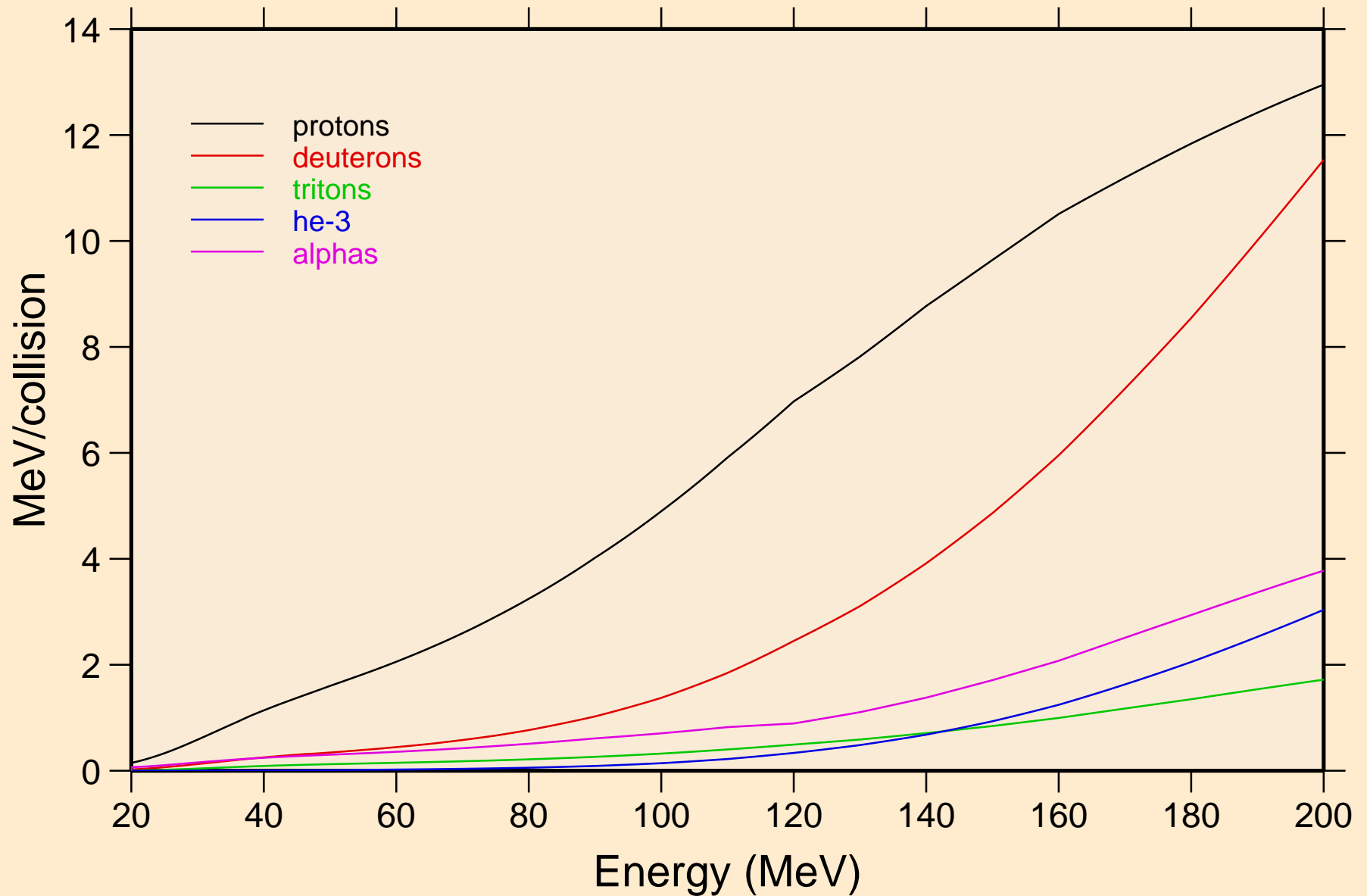Neutron emission for (n,n*c)

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
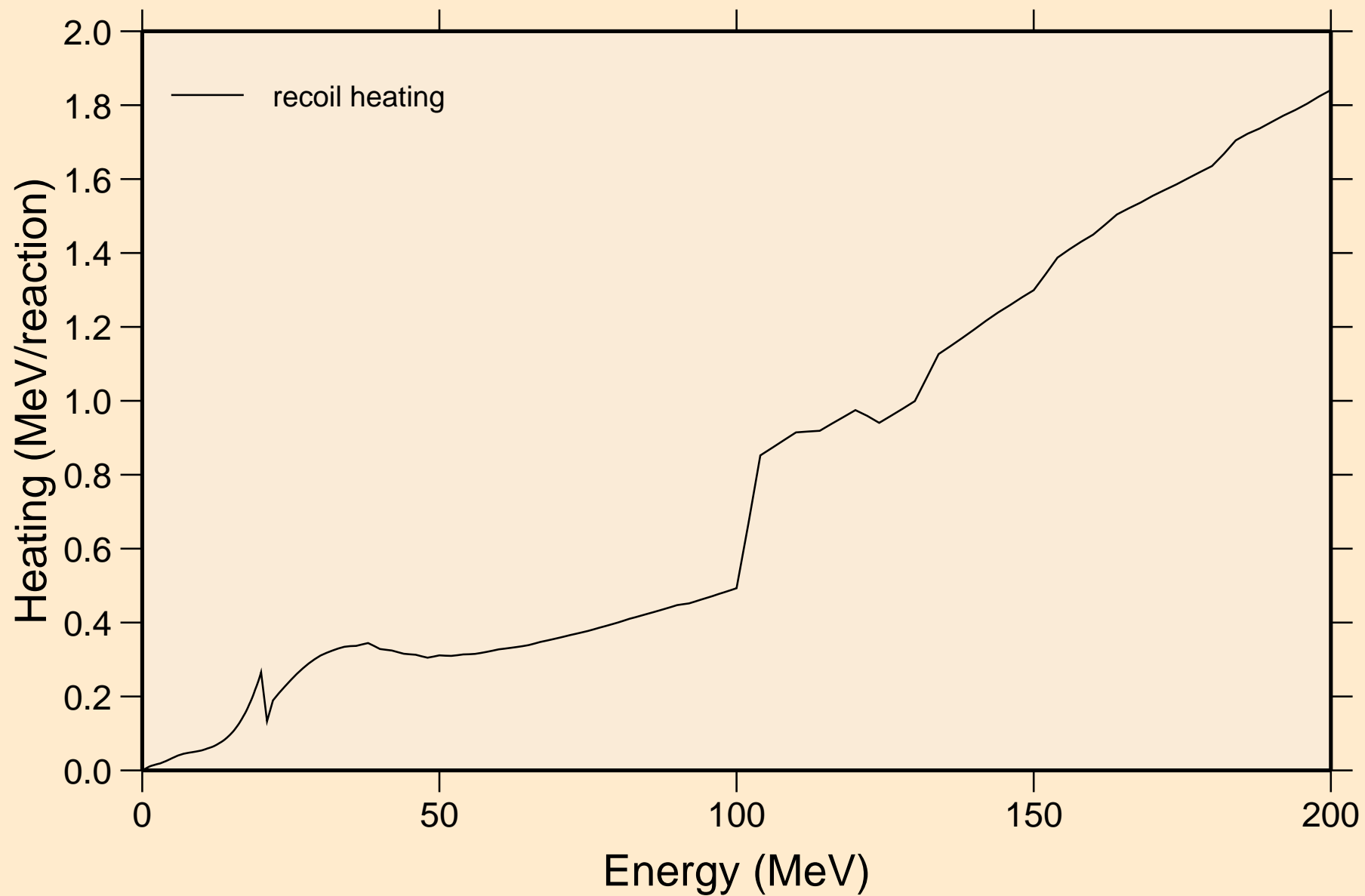Photon emission for (n,x)

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
Particle heating contributions

- protons
- deuterons
- tritons
- he-3
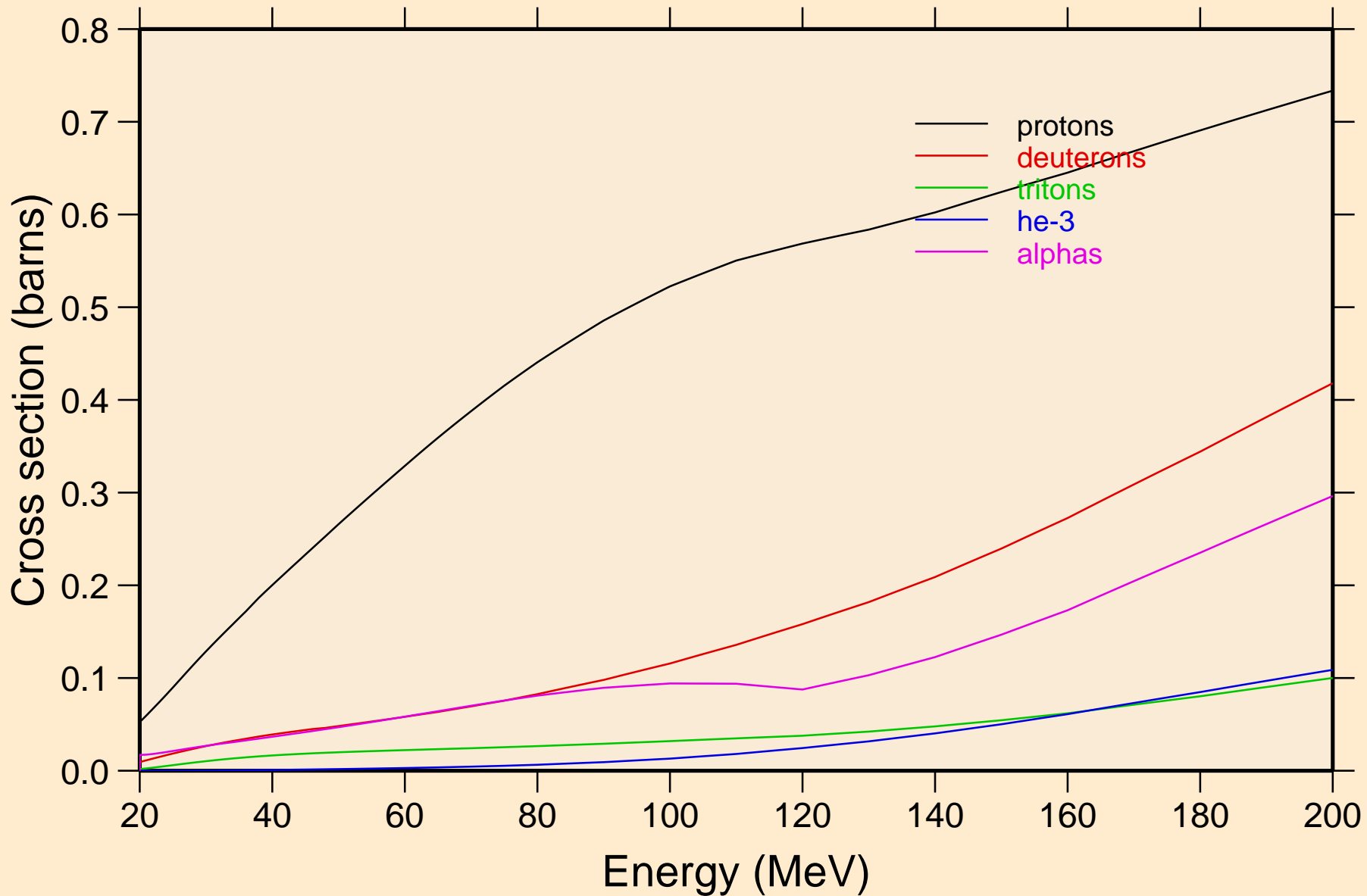- alphas

MeV/collision

Energy (MeV)

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
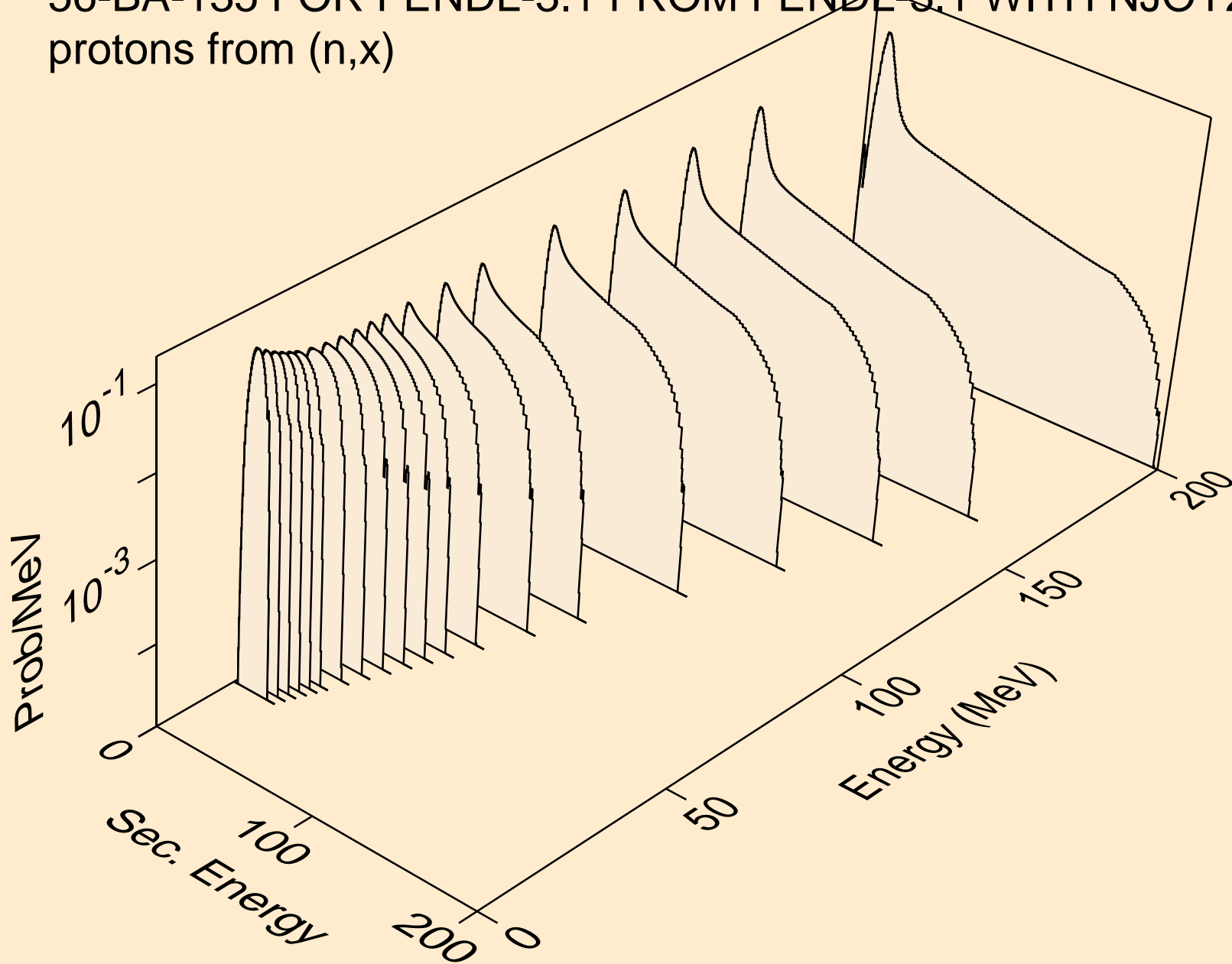Recoil Heating

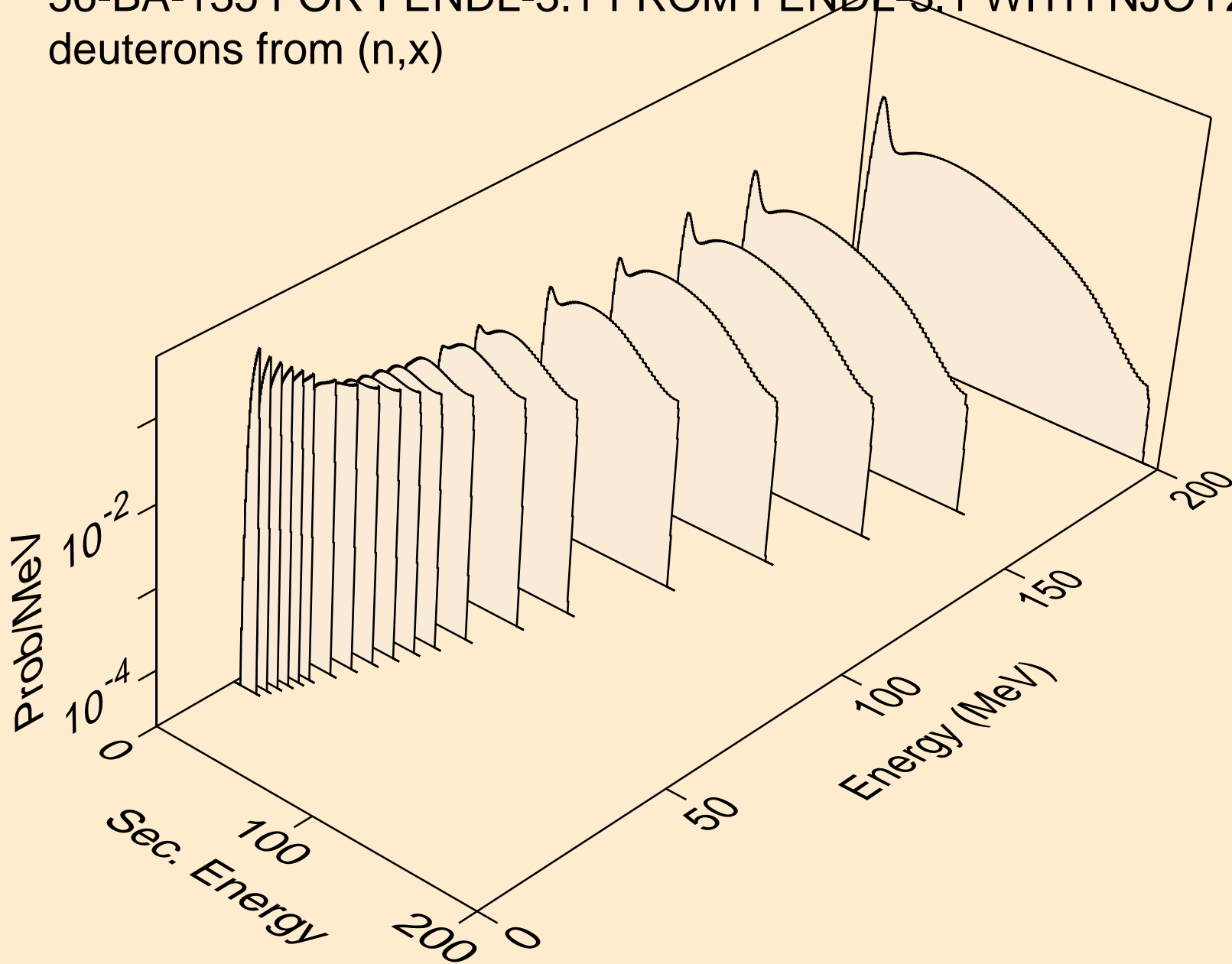56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
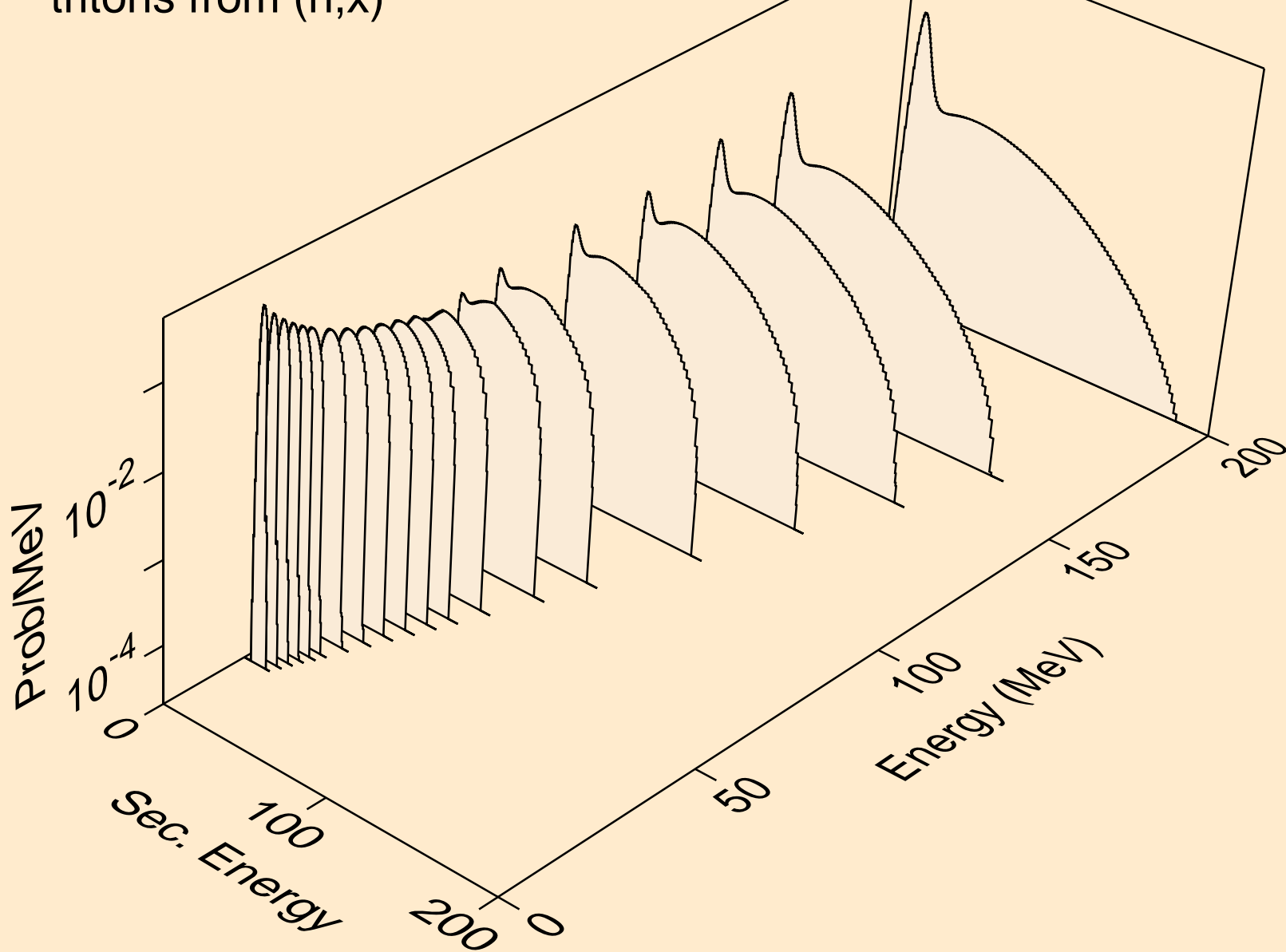Particle production cross sections

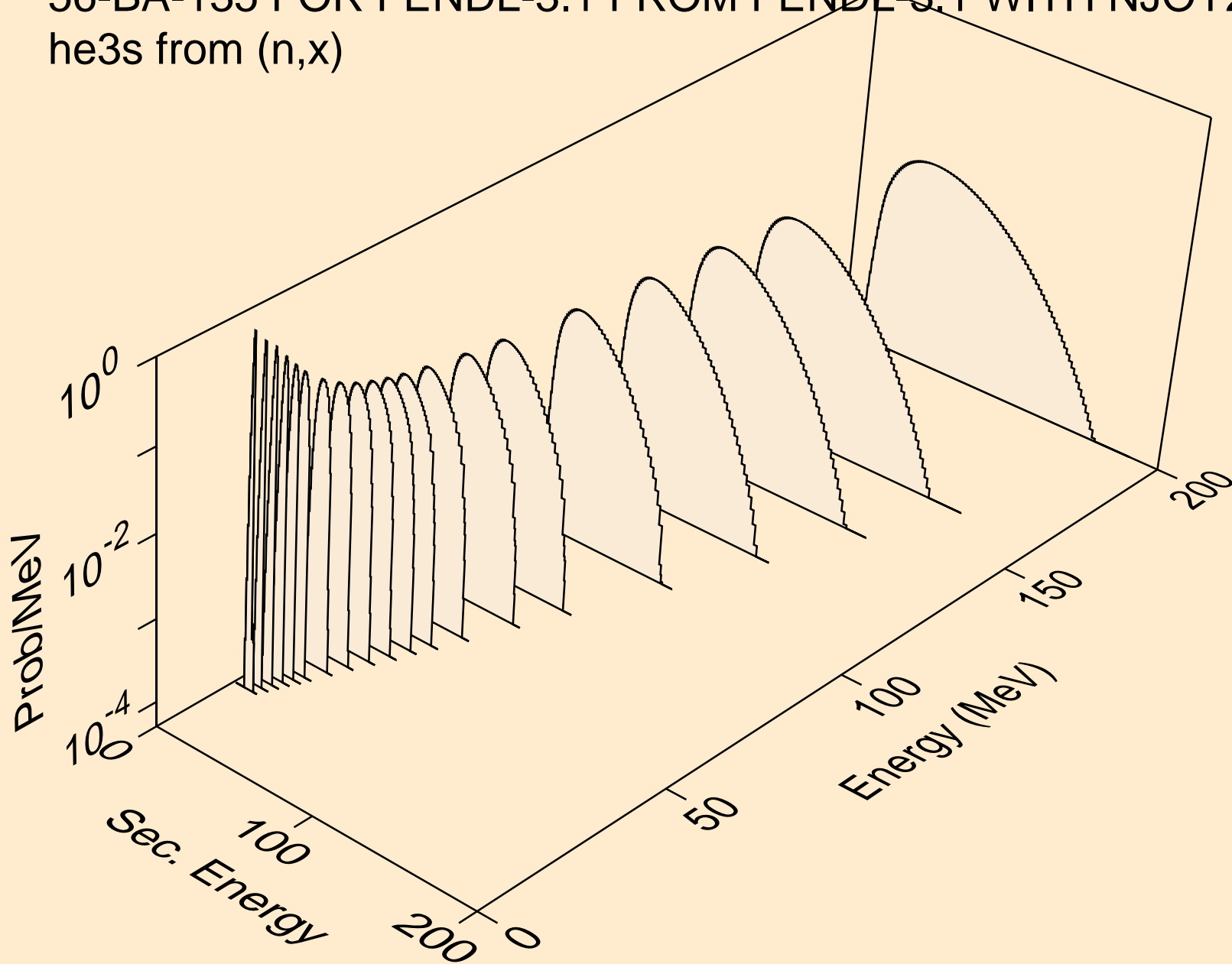56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
protons from (n,x)

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
deuterons from (n,x)

Prob/MeV

10^{-2}

10^{-4}

Sec. Energy

Energy (MeV)

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
tritons from (n,x)

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
he3s from (n,x)

56-BA-135 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50
alphas from (n,x)