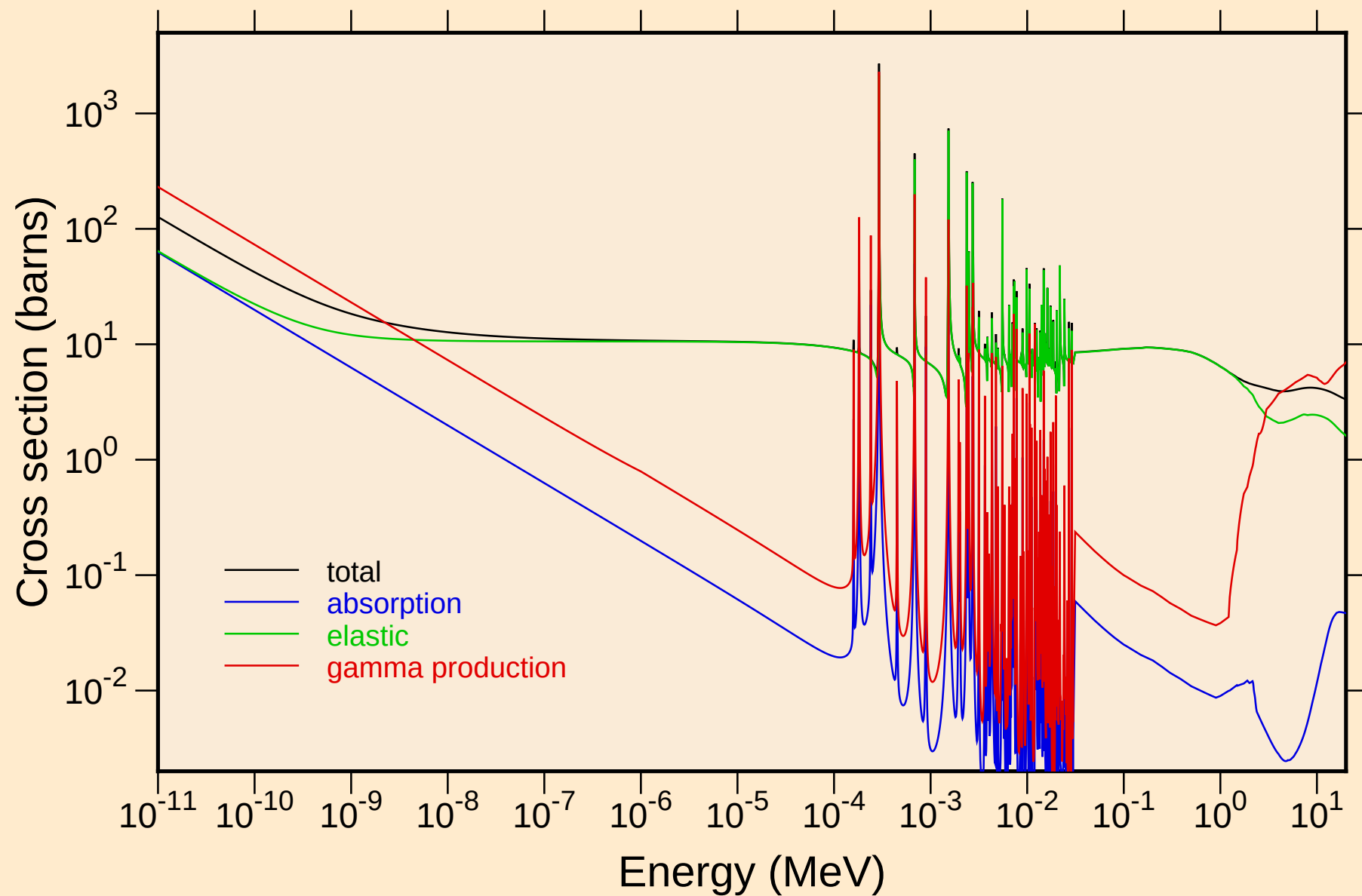
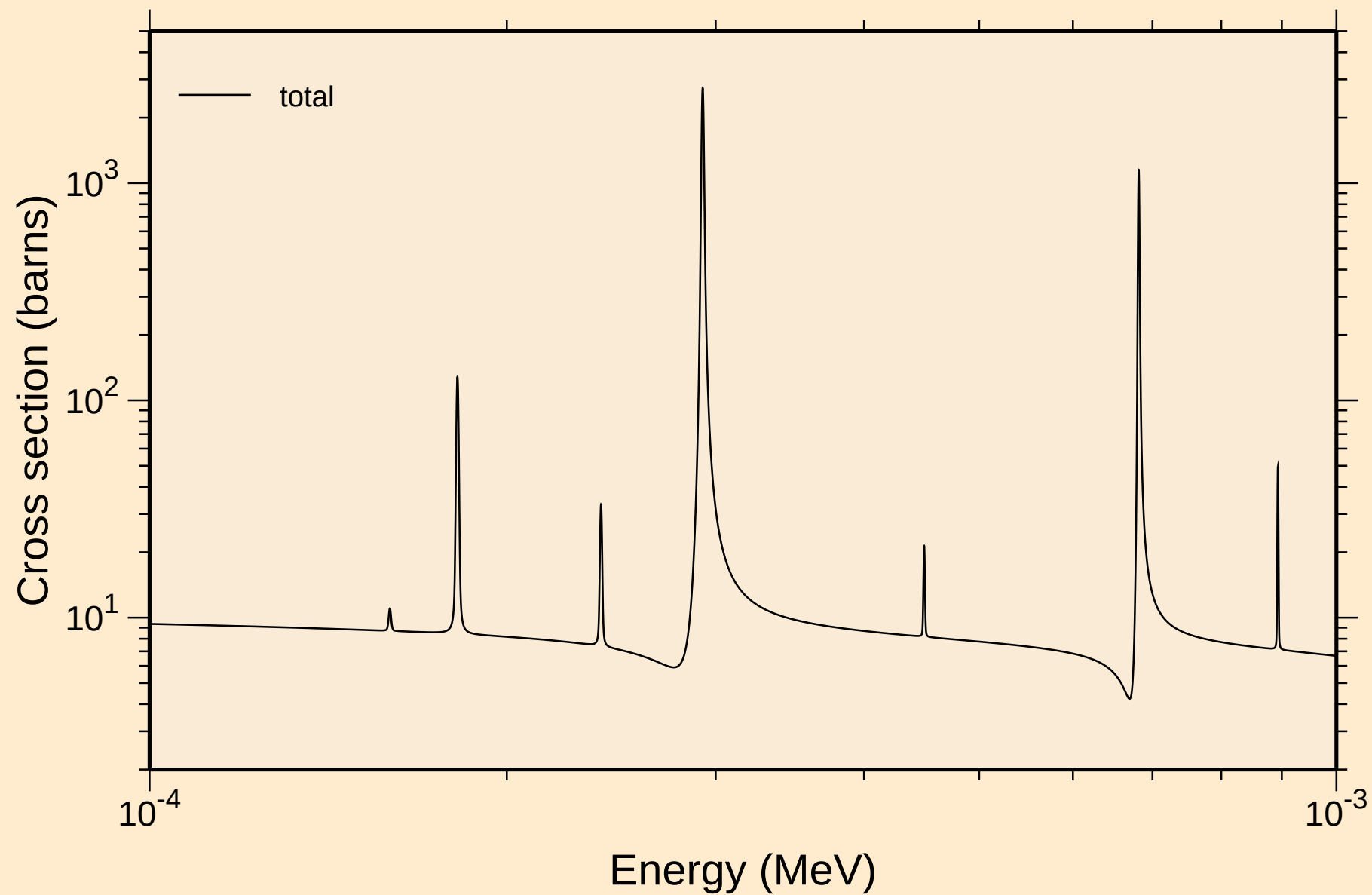


JEFF-3.1 ZR-91

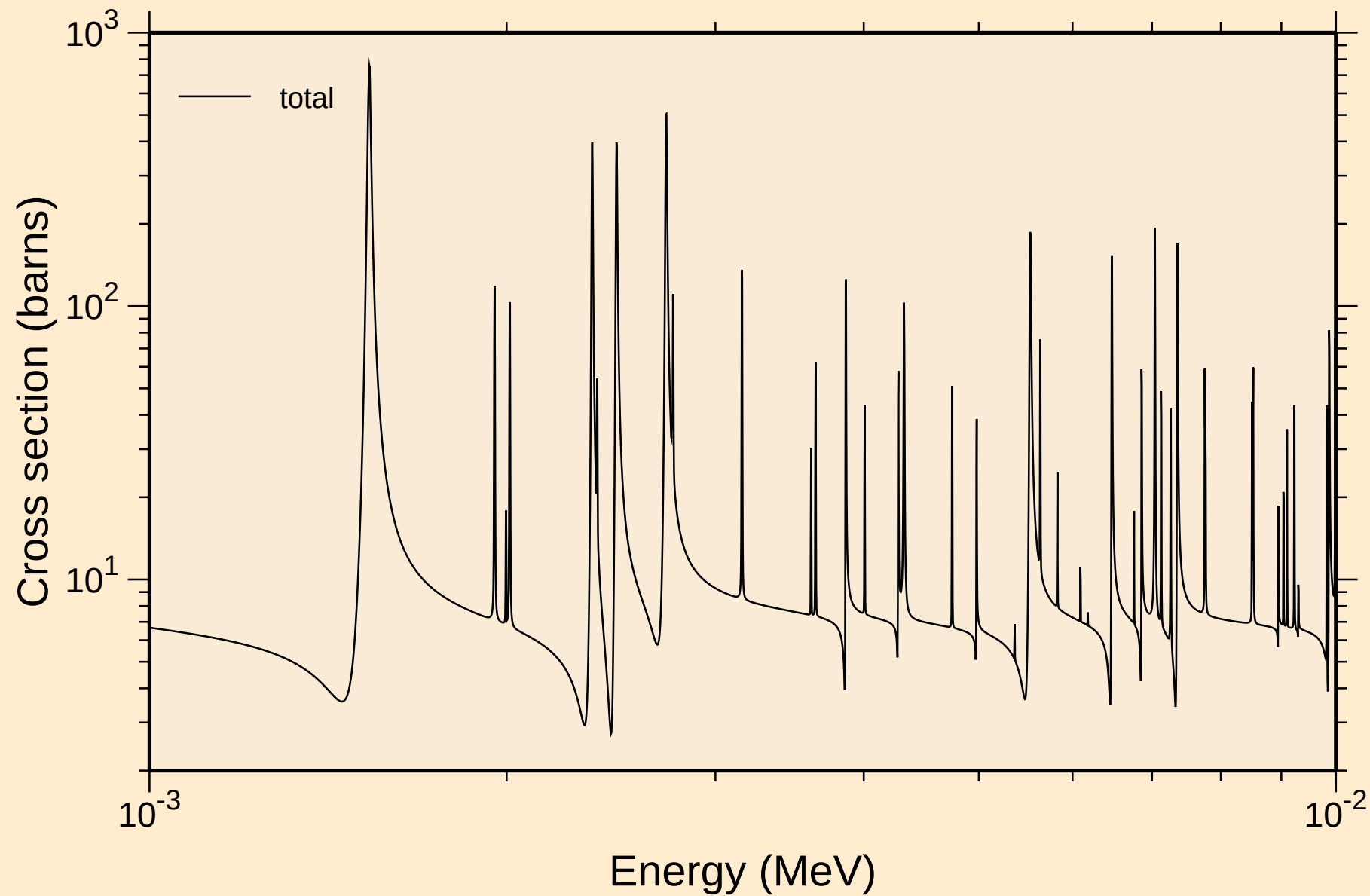
Principal cross sections



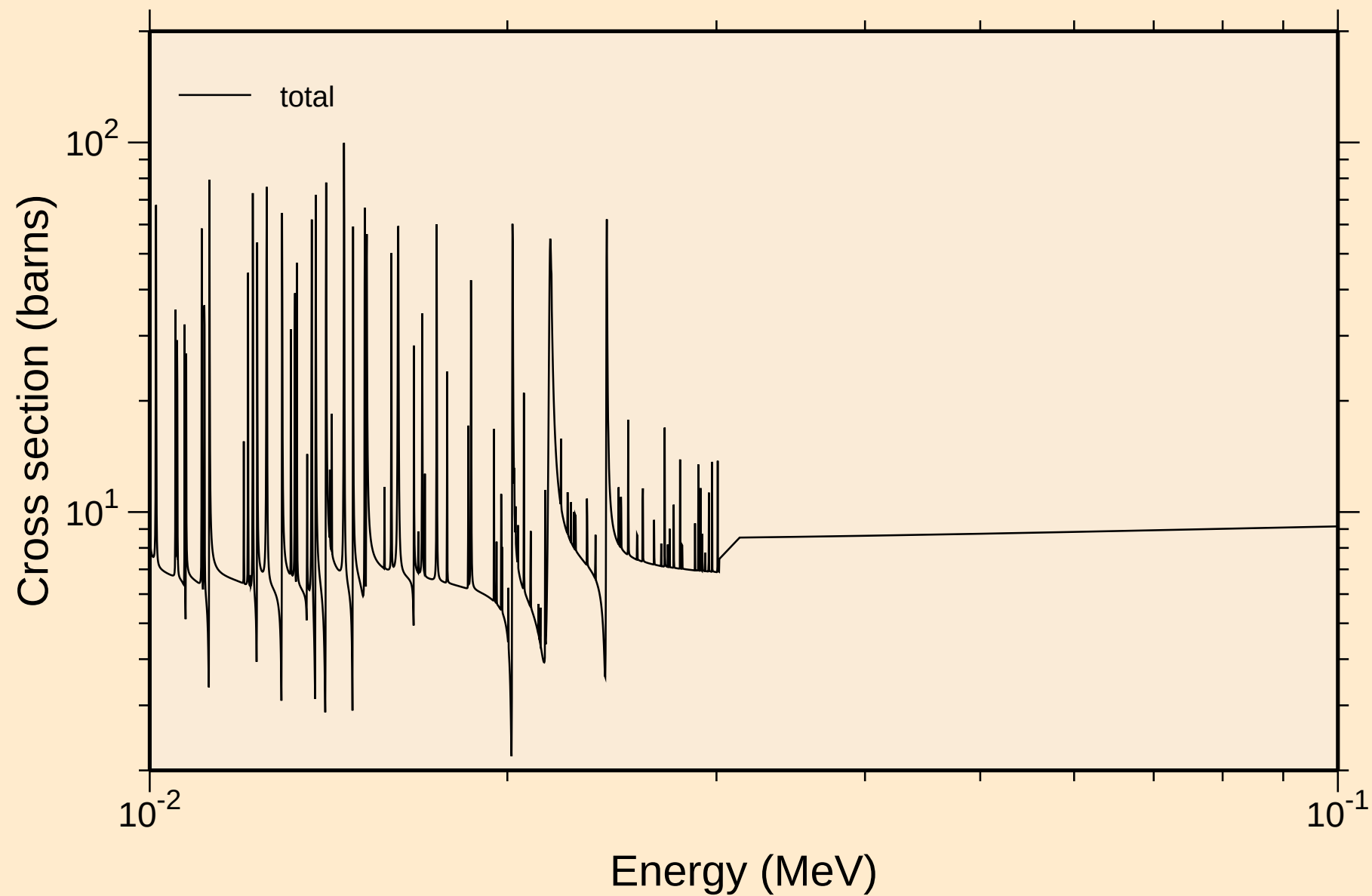
JEFF-3.1 ZR-91
resonance total cross section



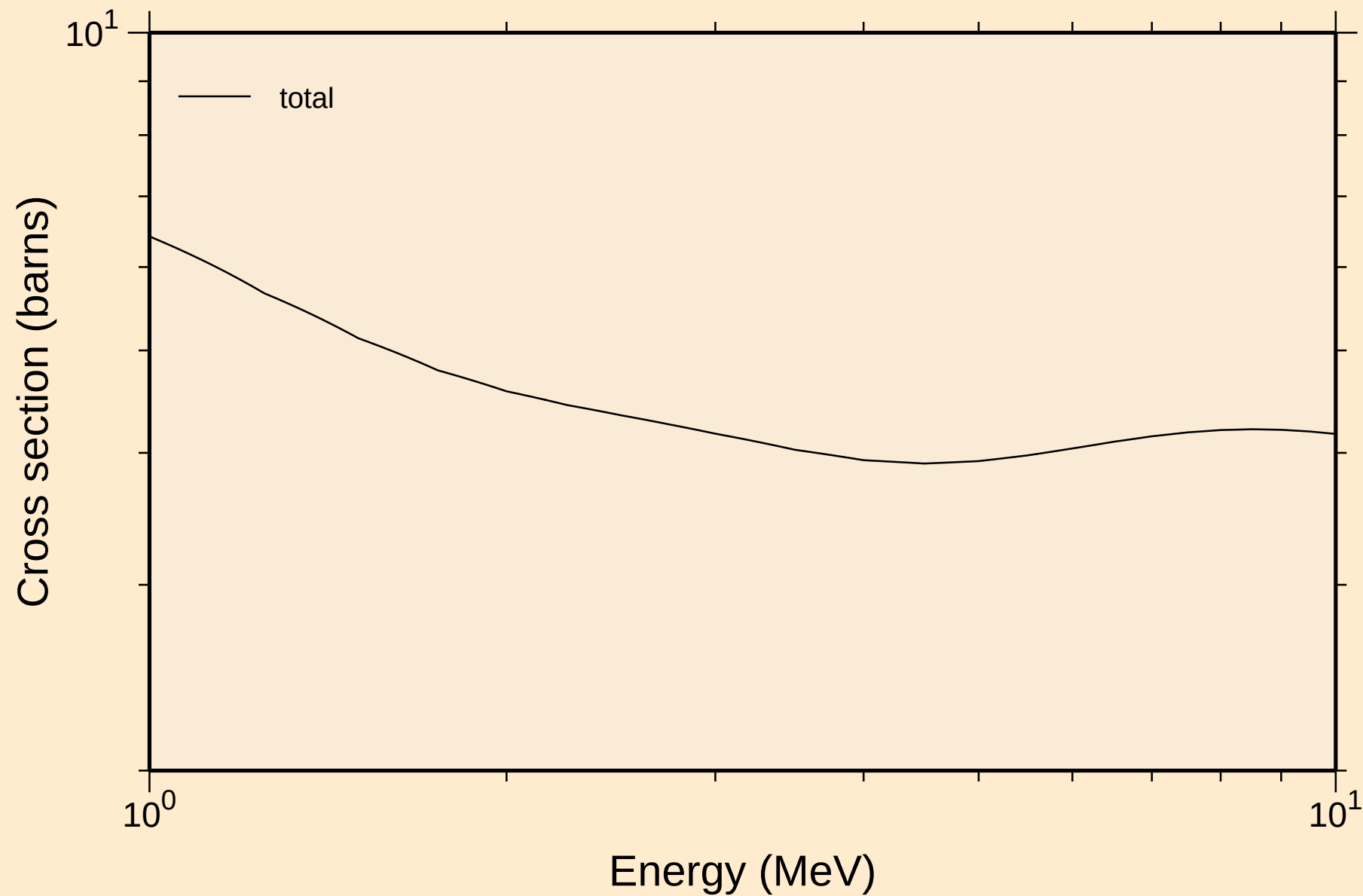
JEFF-3.1 ZR-91
resonance total cross section



JEFF-3.1 ZR-91
resonance total cross section

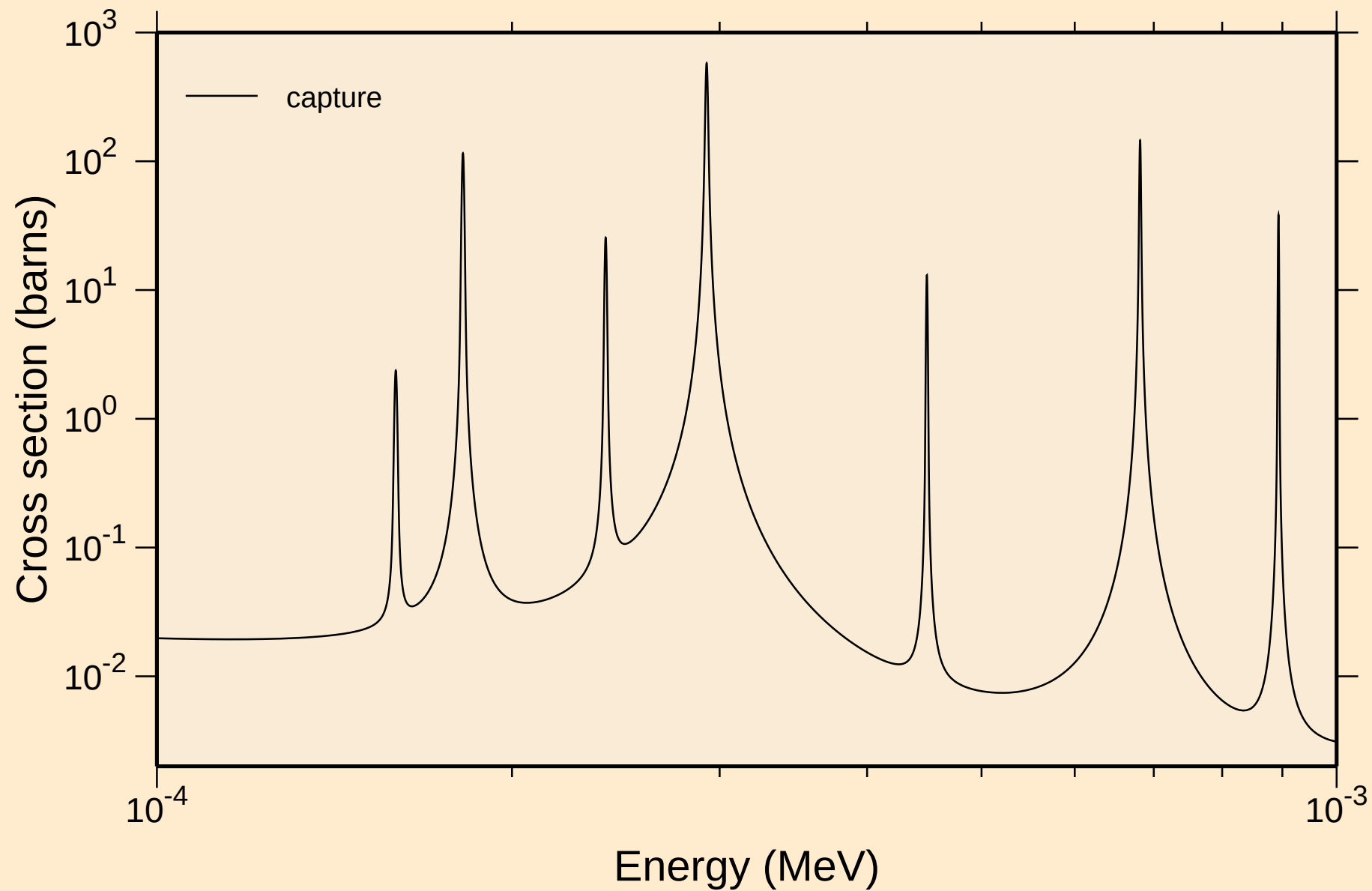


JEFF-3.1 ZR-91
resonance total cross section



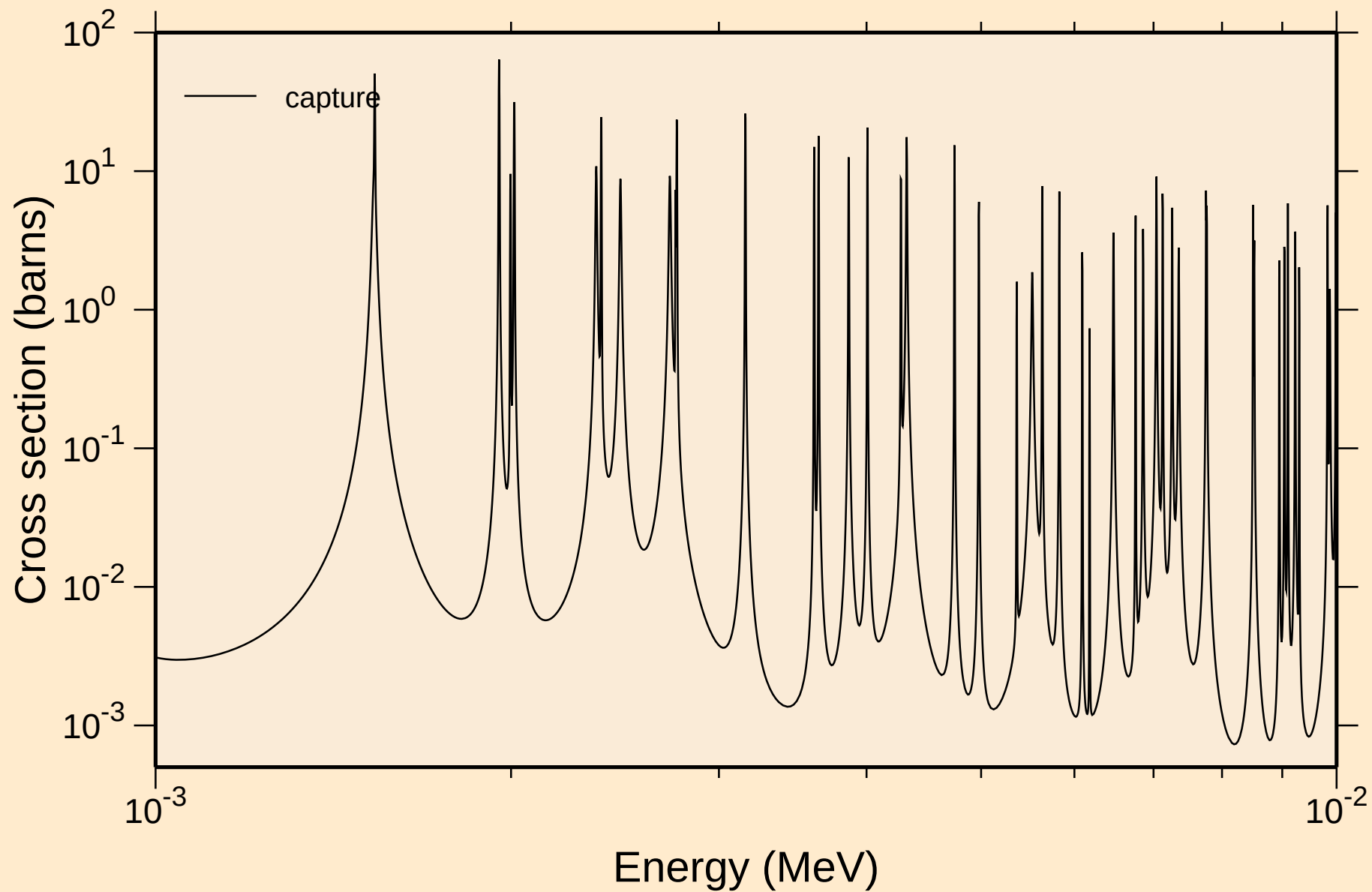
JEFF-3.1 ZR-91

resonance absorption cross sections

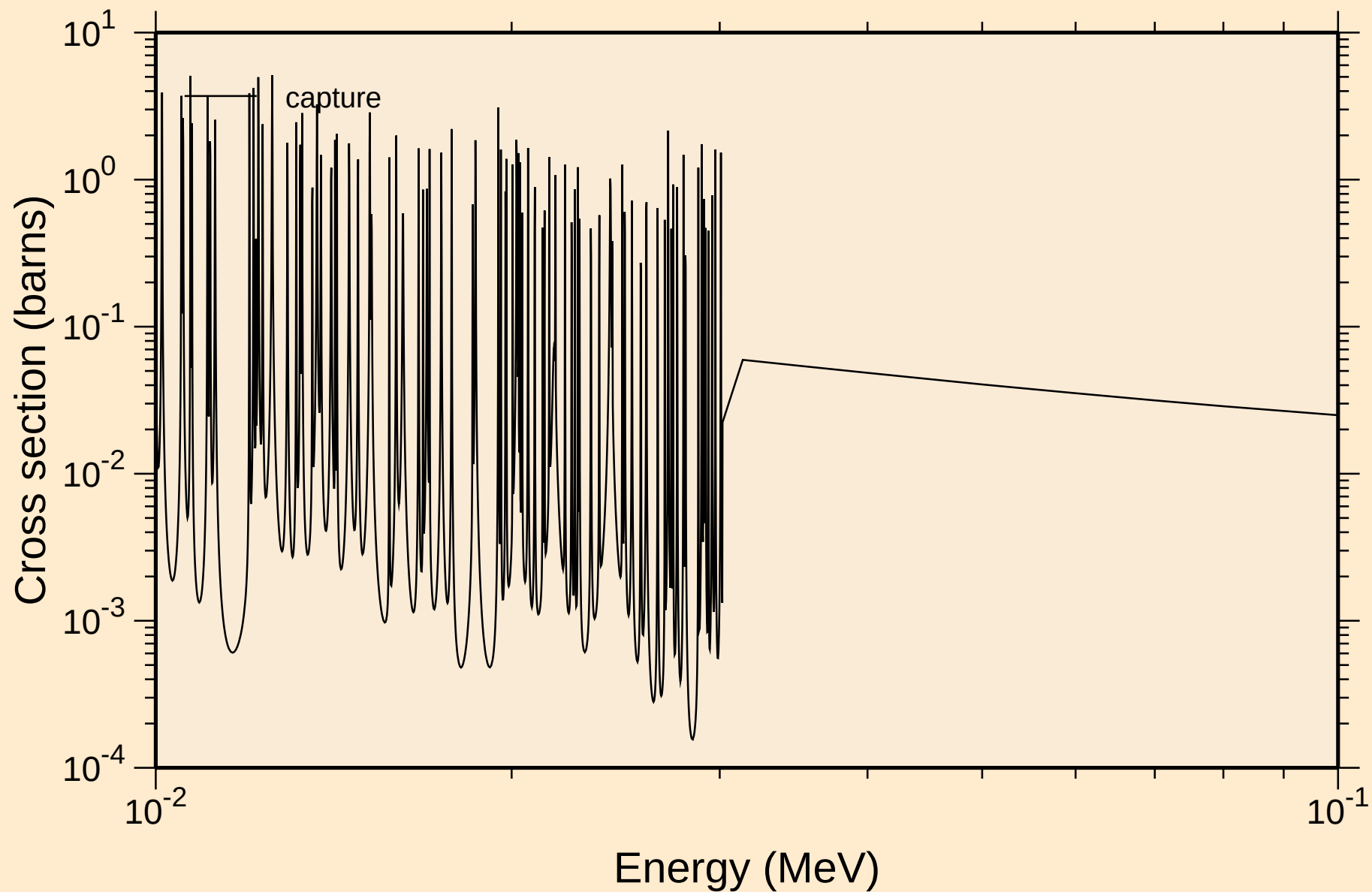


JEFF-3.1 ZR-91

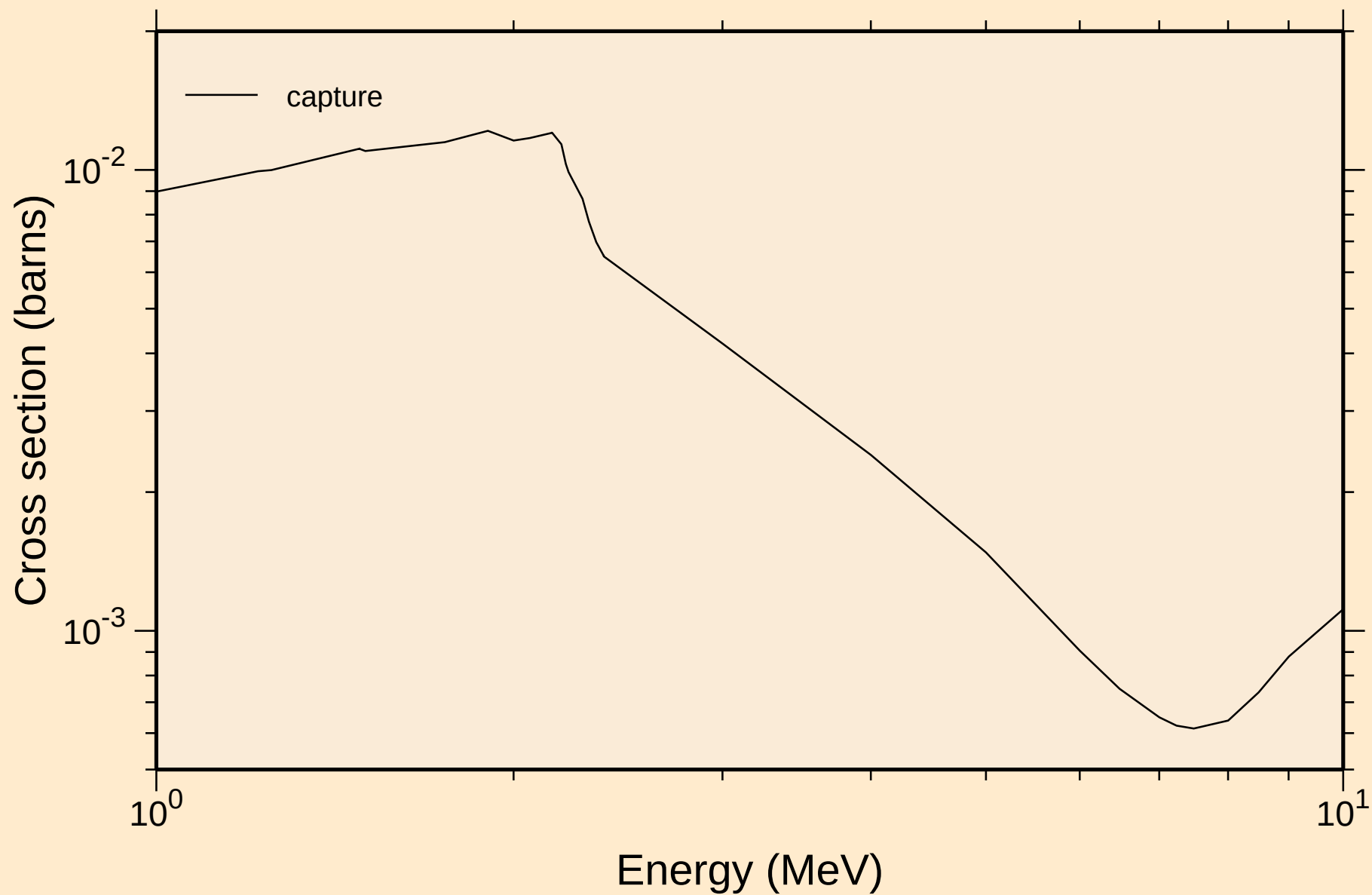
resonance absorption cross sections



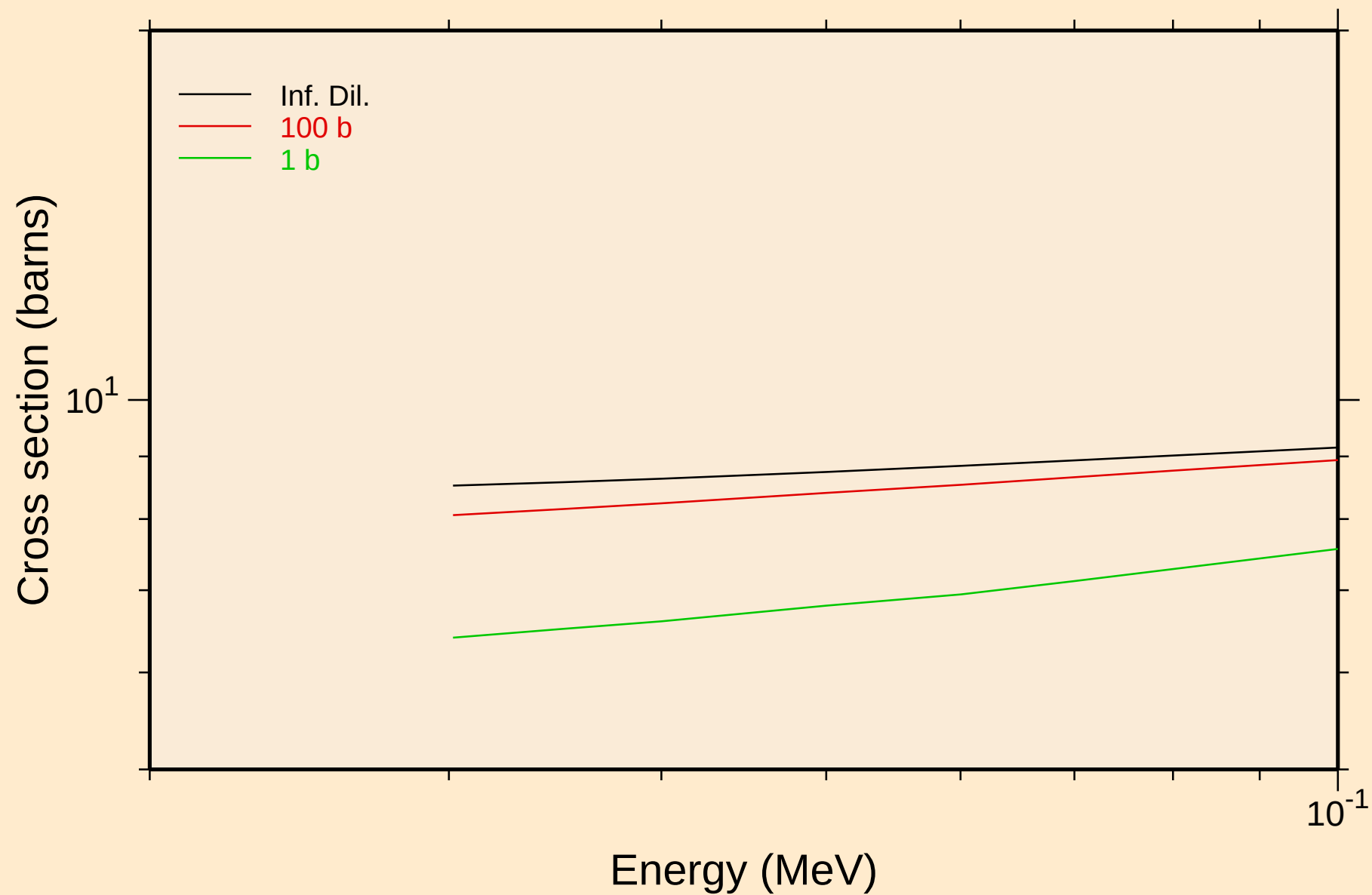
JEFF-3.1 ZR-91
resonance absorption cross sections



JEFF-3.1 ZR-91 resonance absorption cross sections

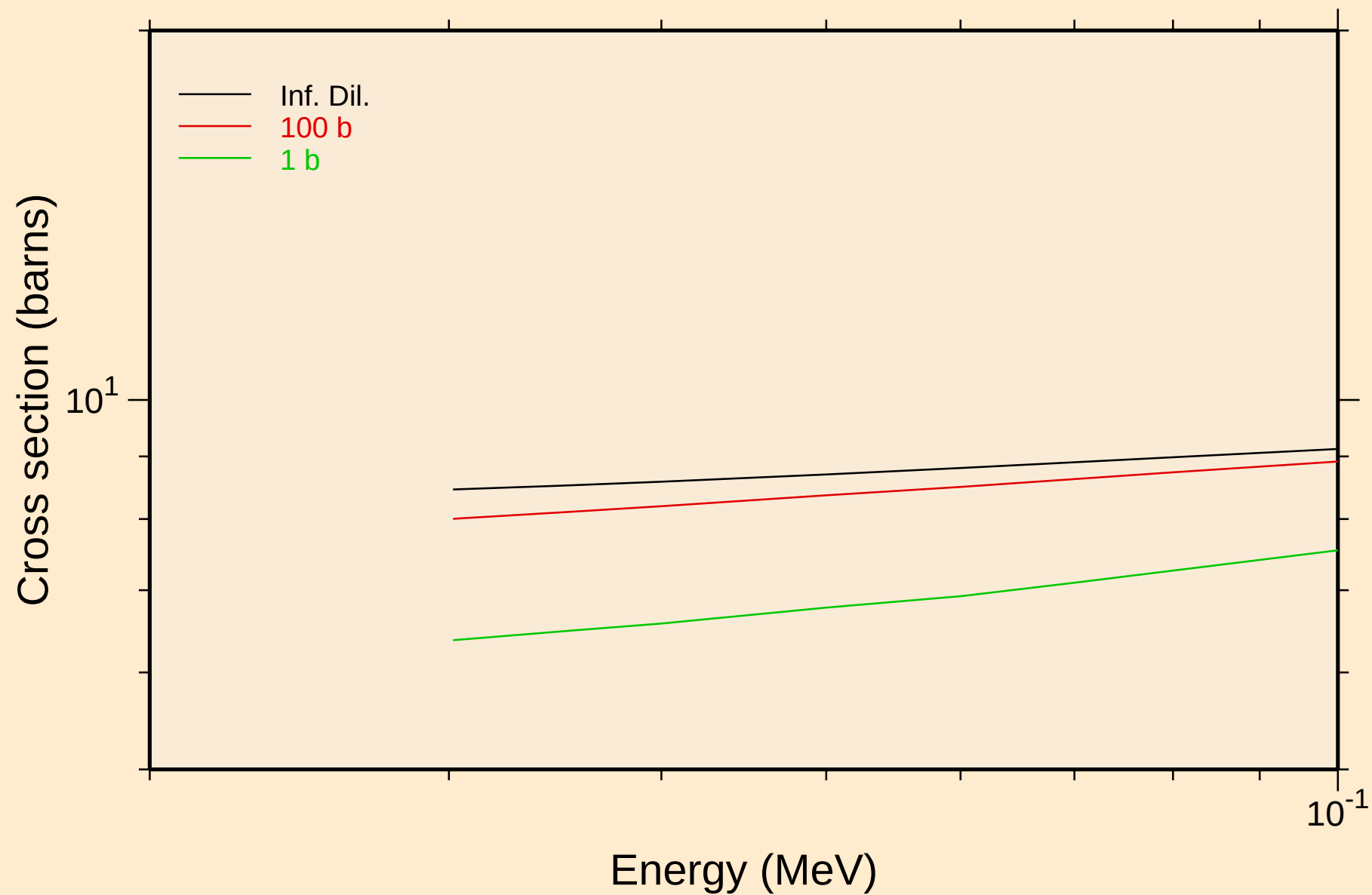


JEFF-3.1 ZR-91
UR total cross section

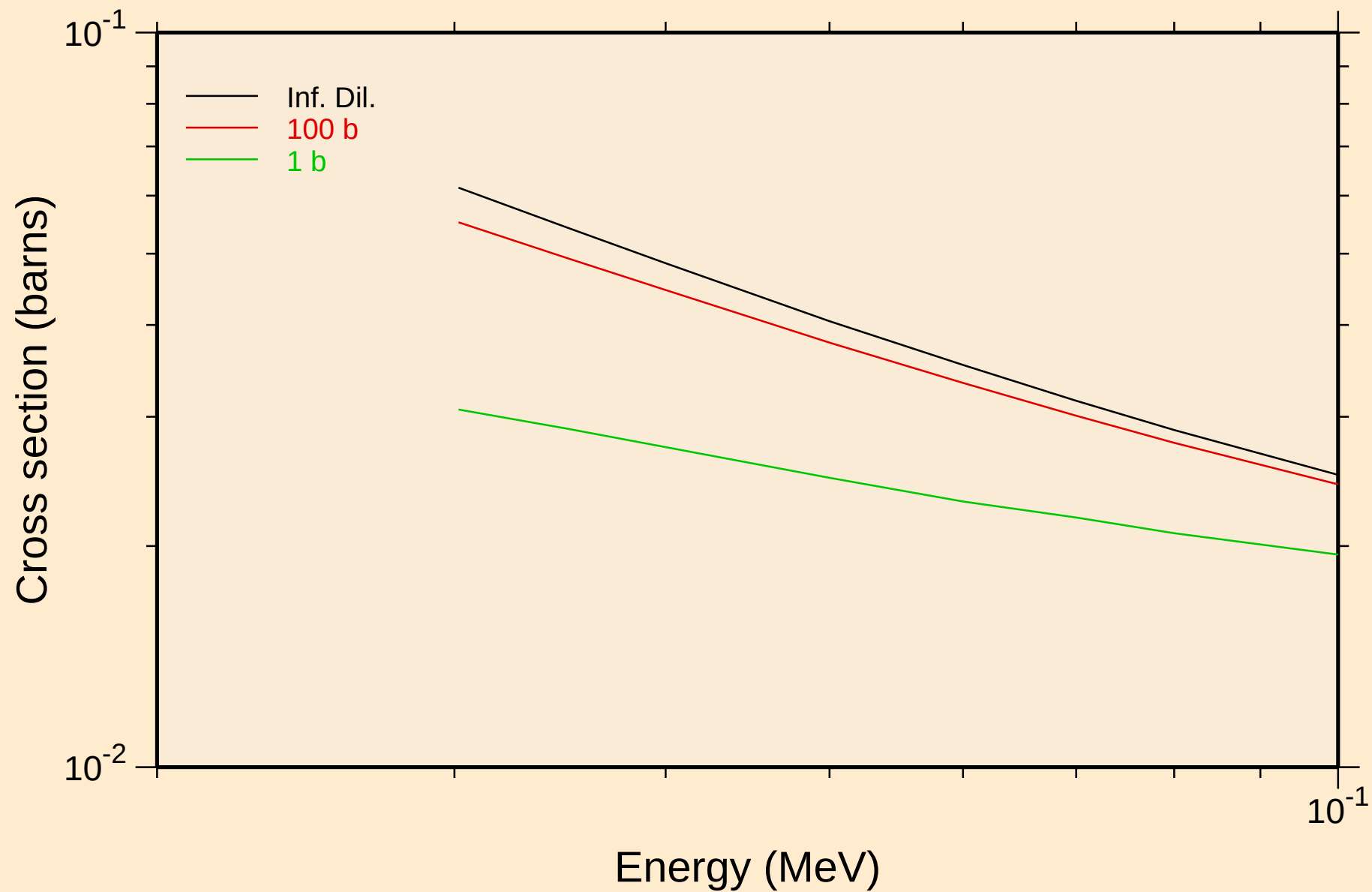


JEFF-3.1 ZR-91

UR elastic cross section

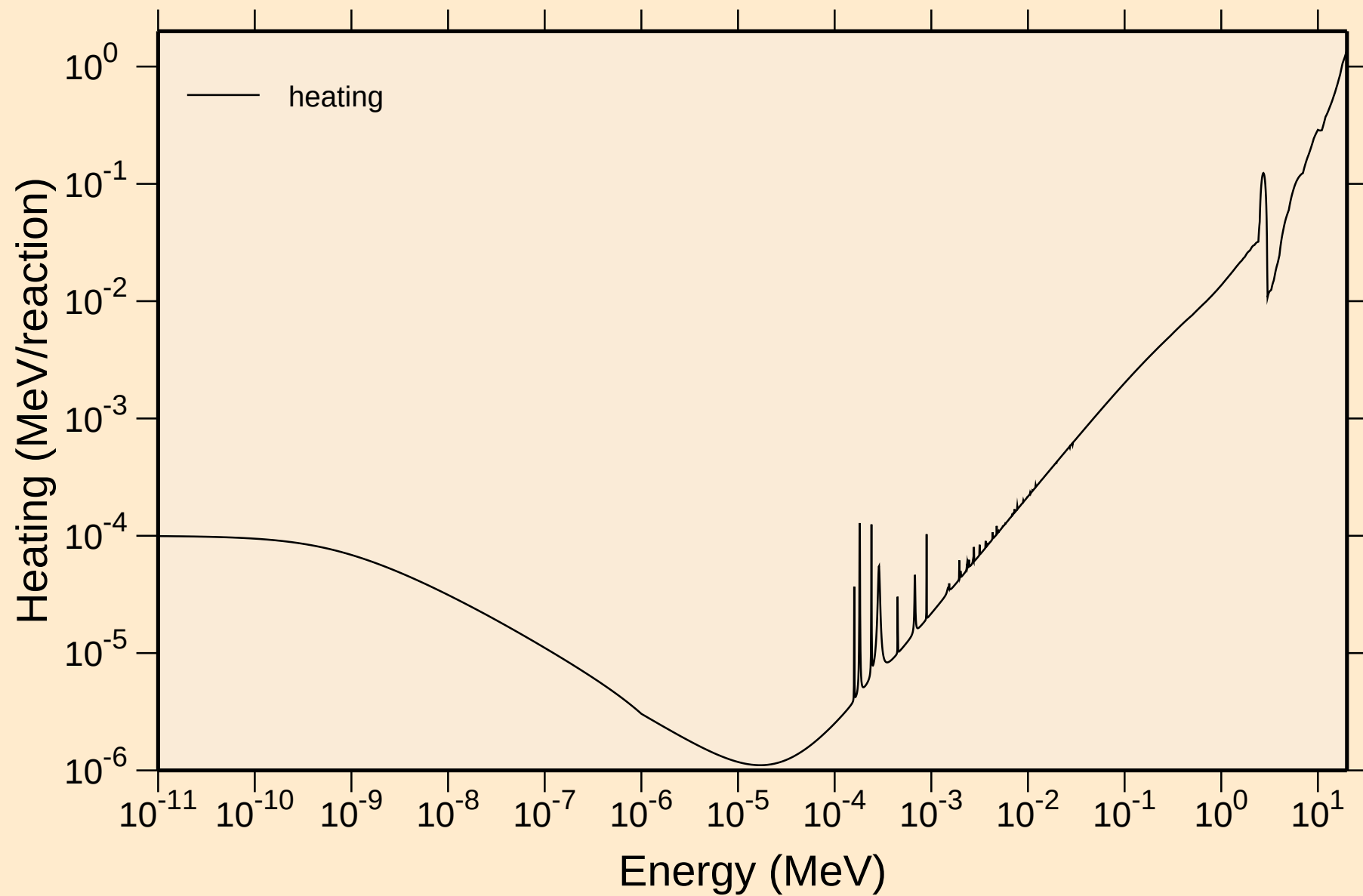


JEFF-3.1 ZR-91
UR capture cross section



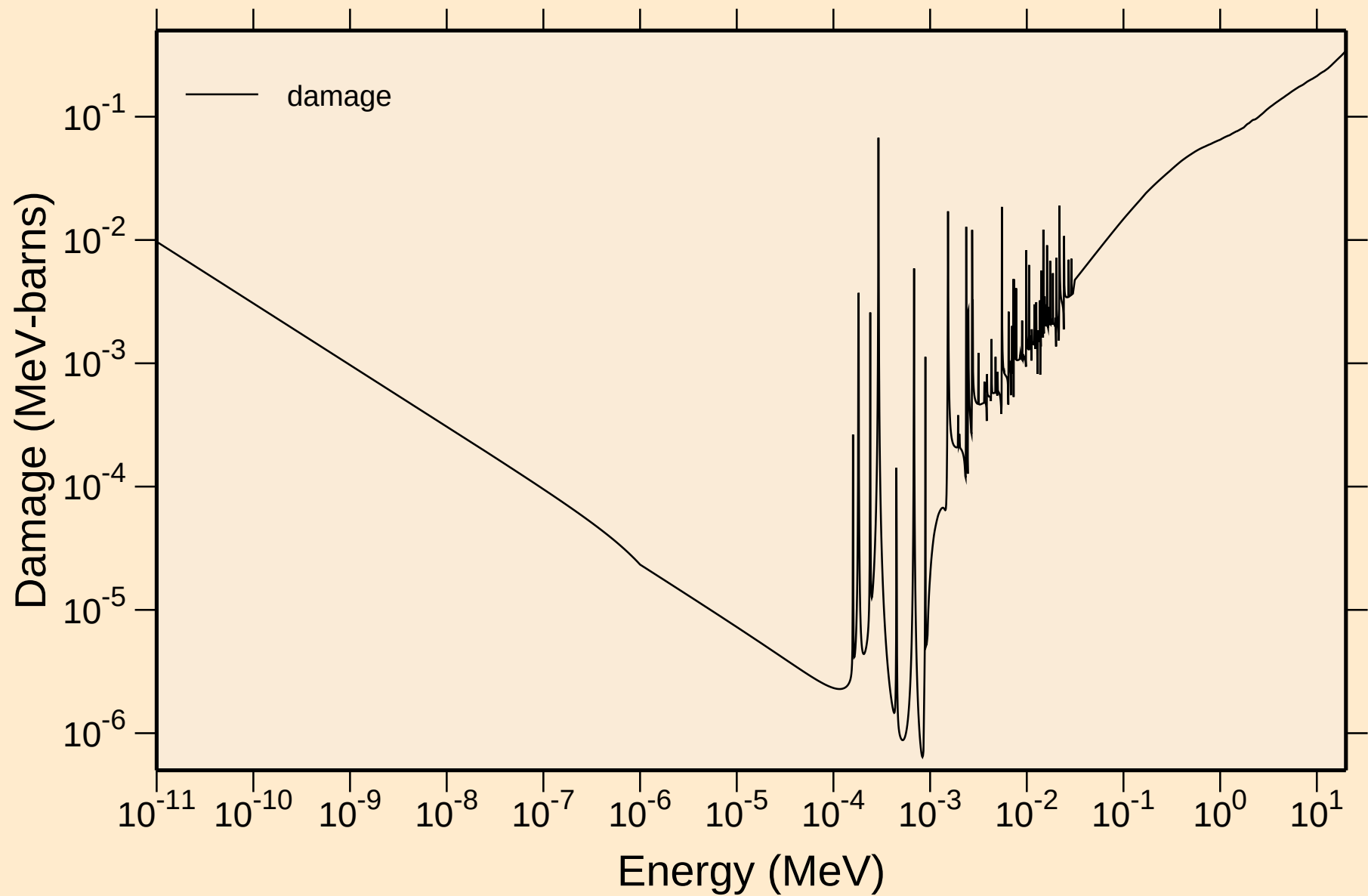
JEFF-3.1 ZR-91

Heating



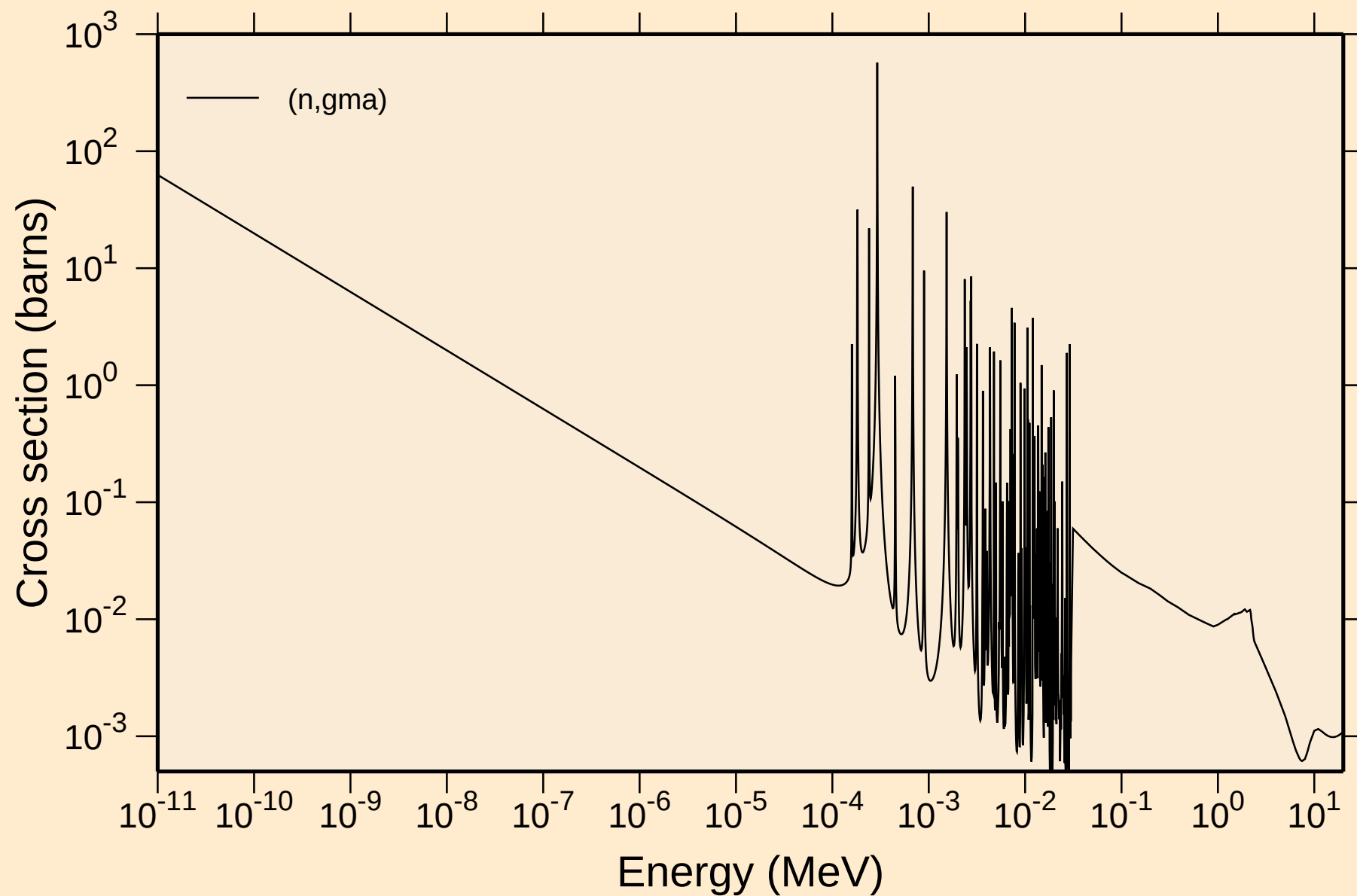
JEFF-3.1 ZR-91

Damage



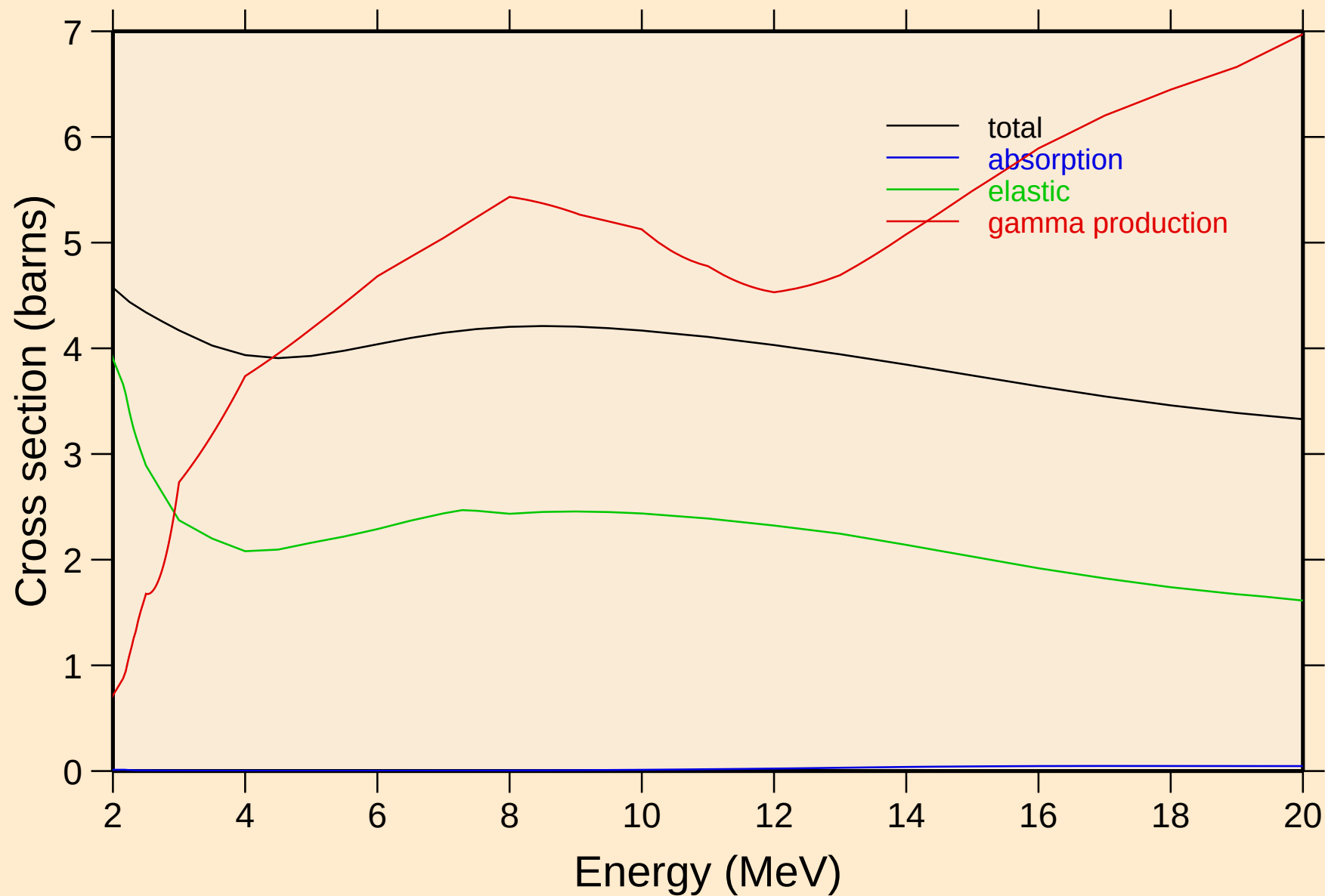
JEFF-3.1 ZR-91

Non-threshold reactions



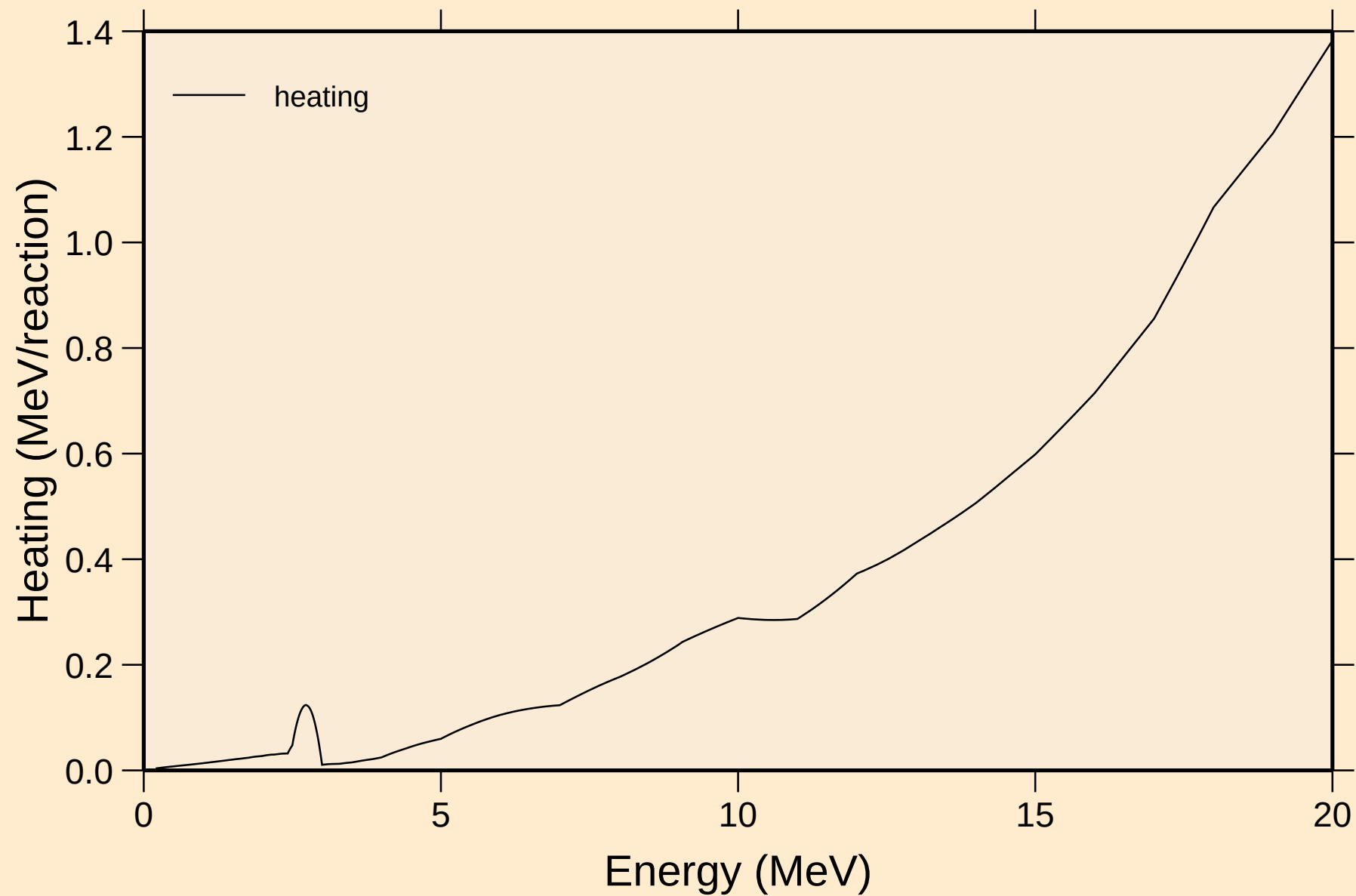
JEFF-3.1 ZR-91

Principal cross sections



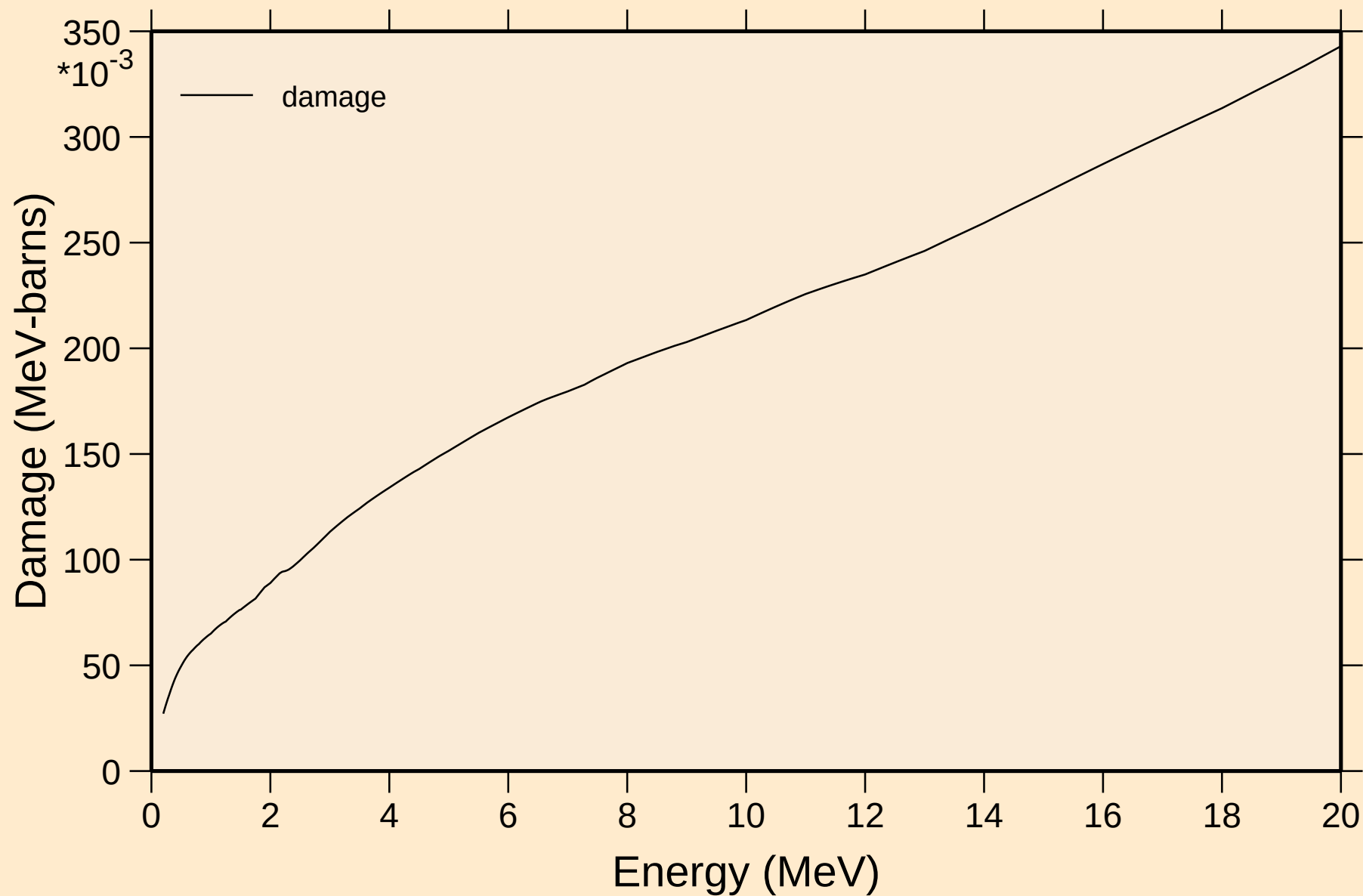
JEFF-3.1 ZR-91

Heating



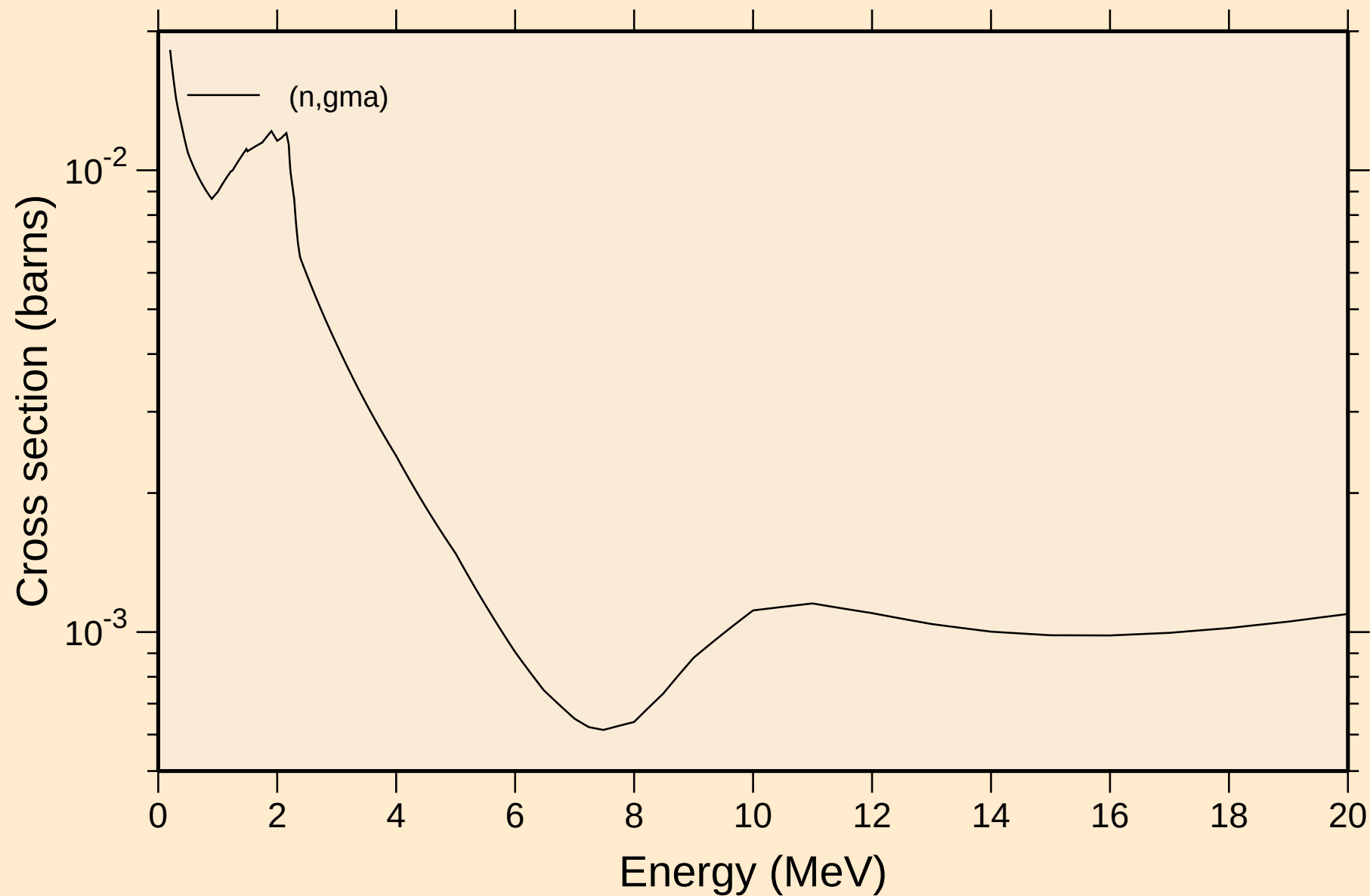
JEFF-3.1 ZR-91

Damage



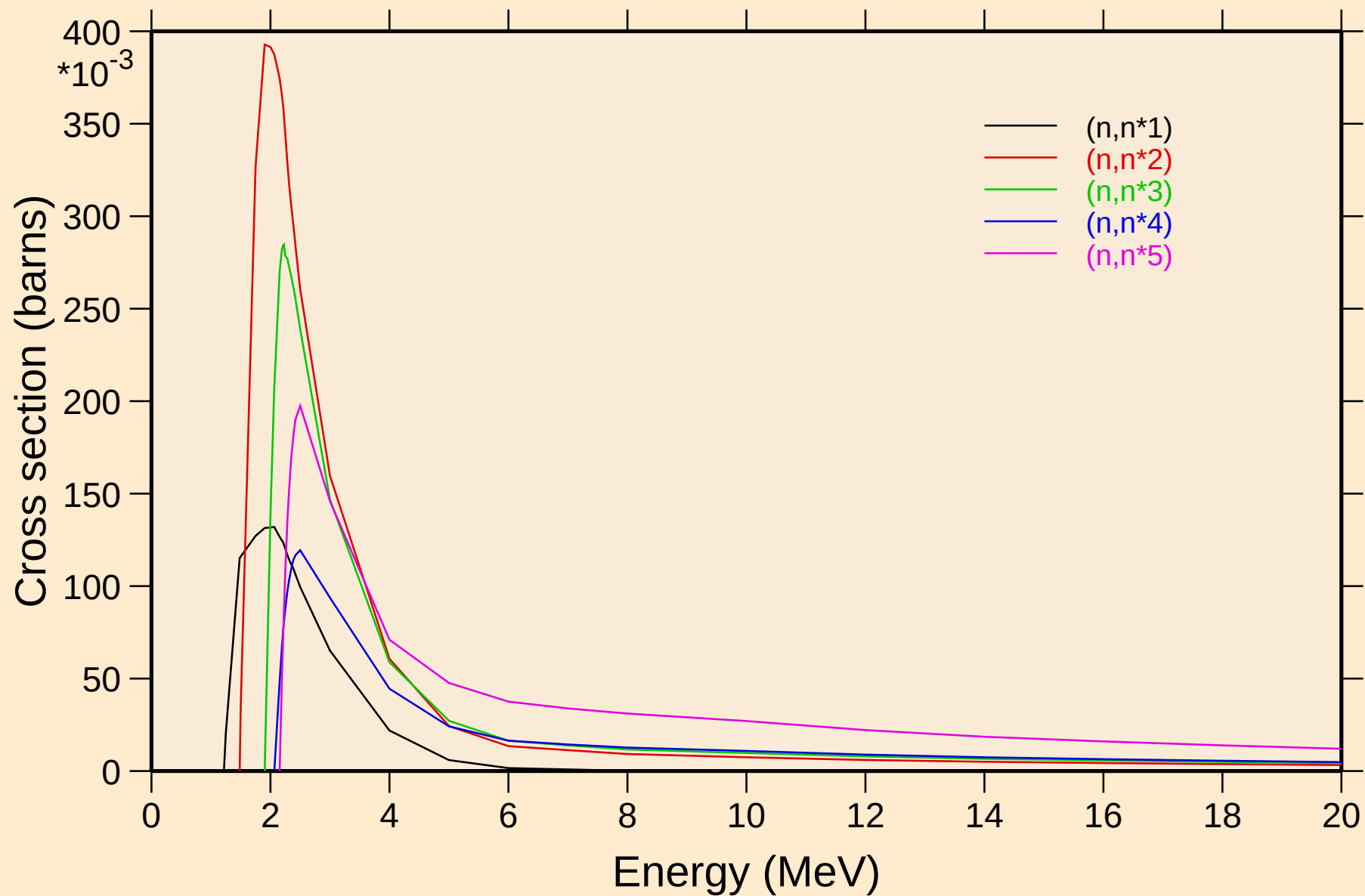
JEFF-3.1 ZR-91

Non-threshold reactions



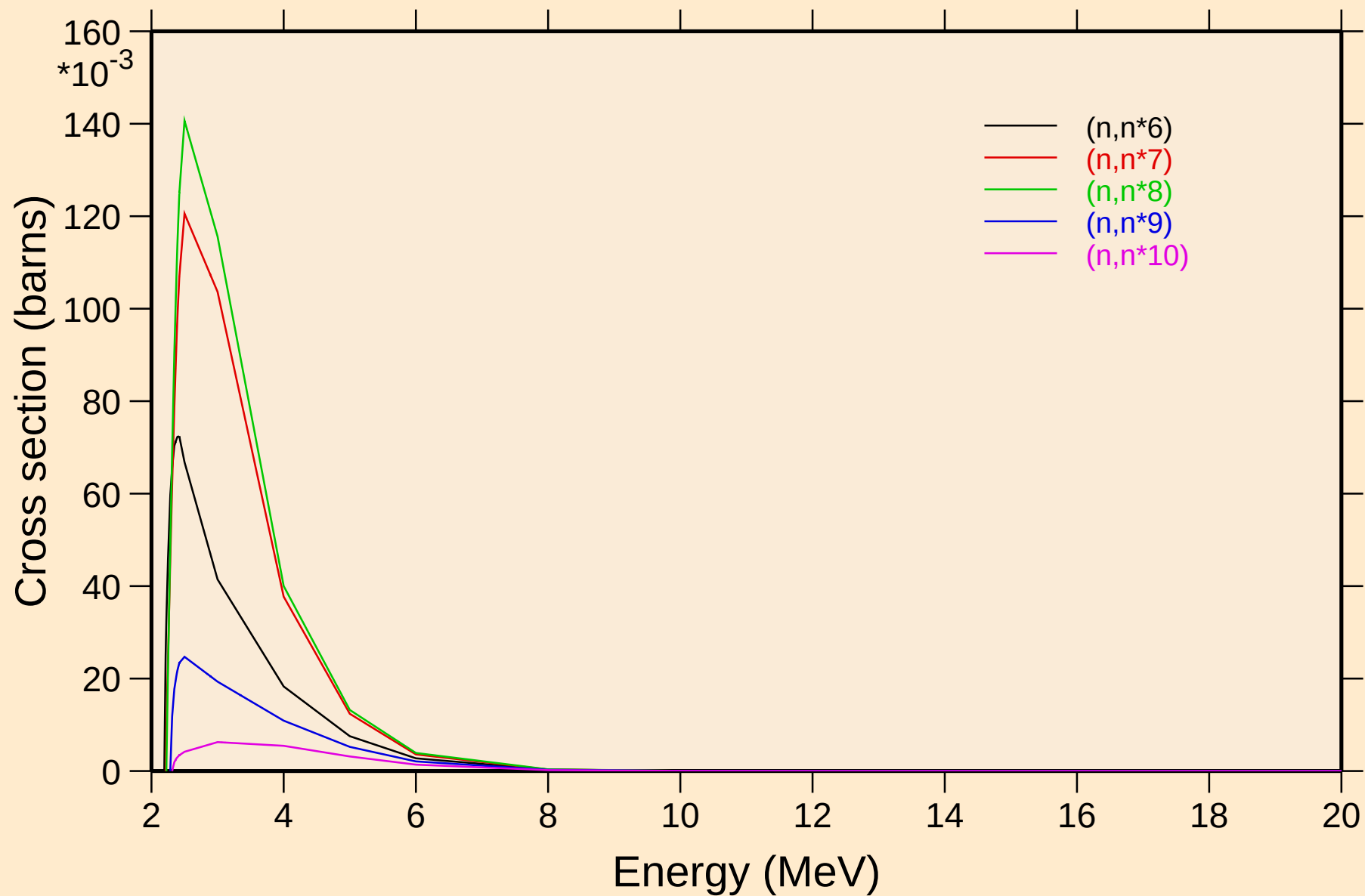
JEFF-3.1 ZR-91

Inelastic levels



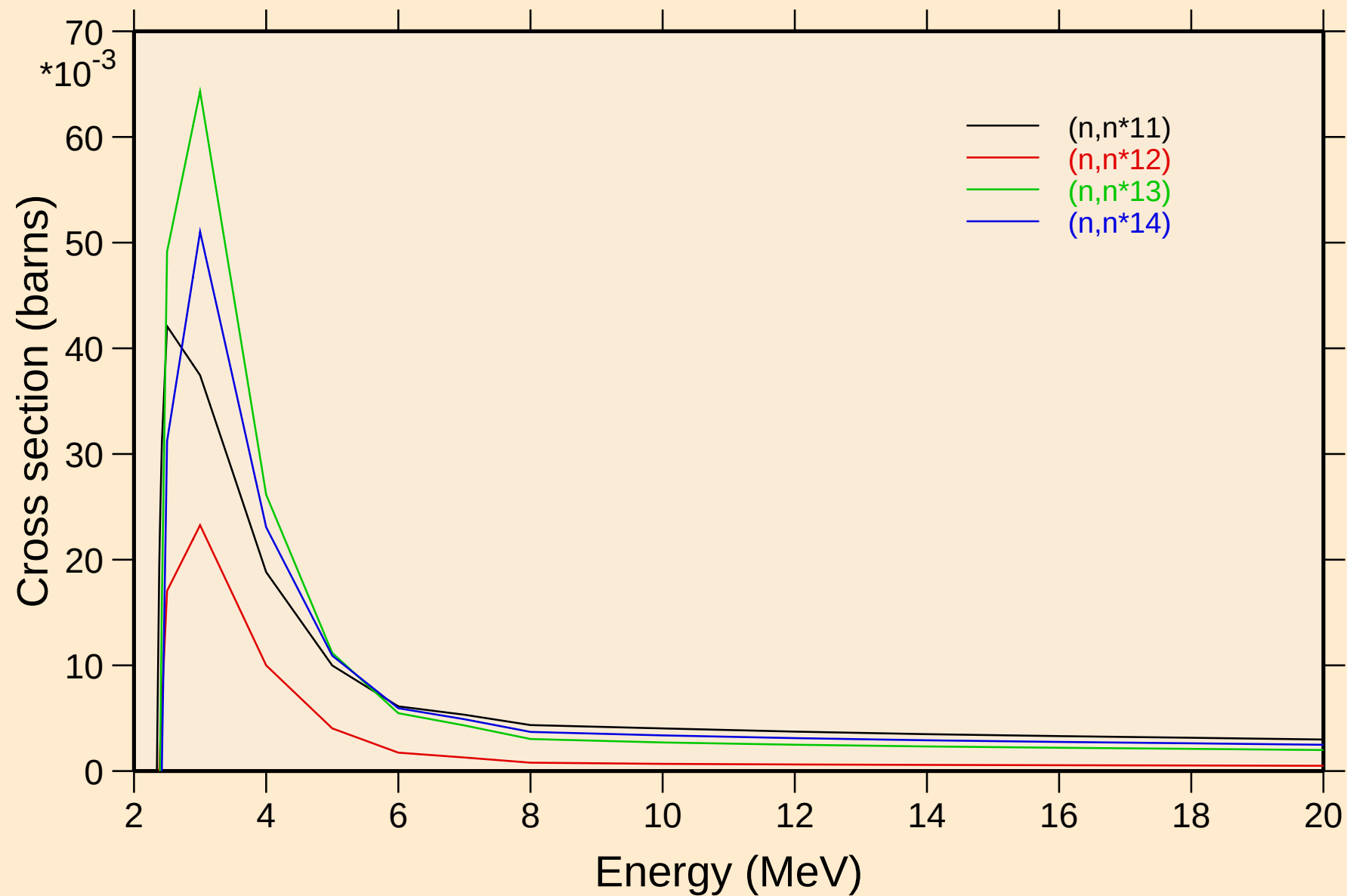
JEFF-3.1 ZR-91

Inelastic levels



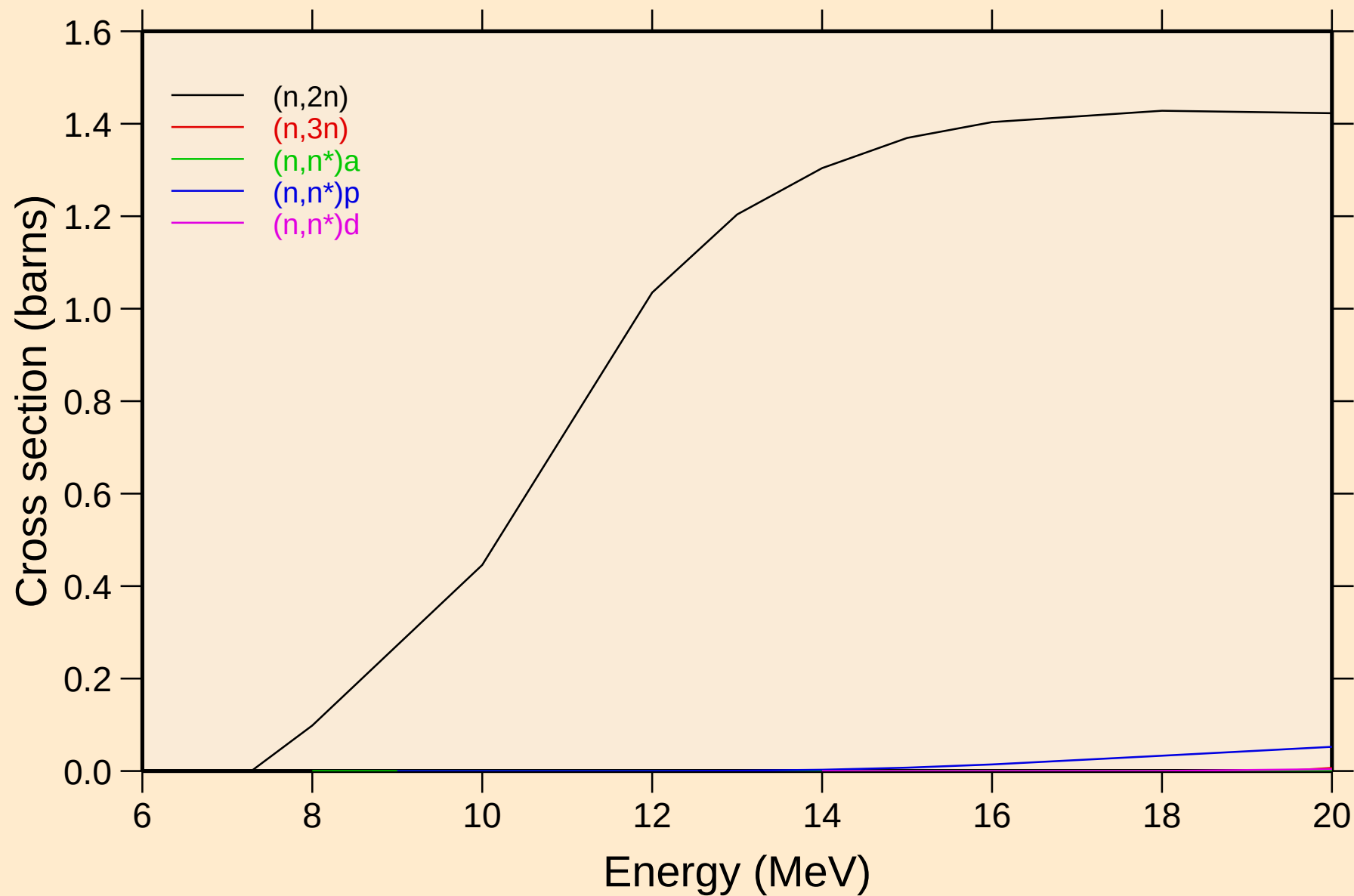
JEFF-3.1 ZR-91

Inelastic levels



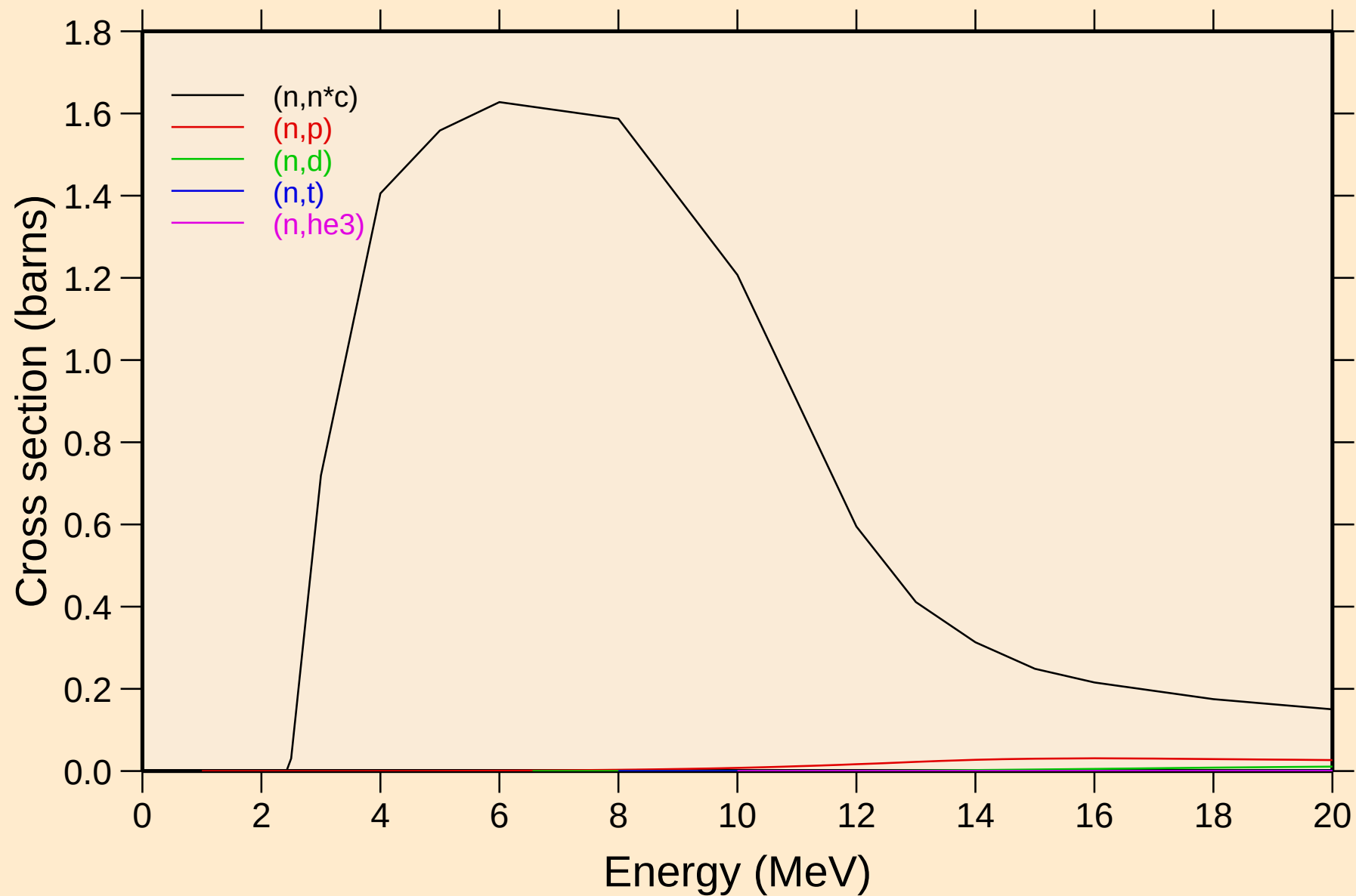
JEFF-3.1 ZR-91

Threshold reactions



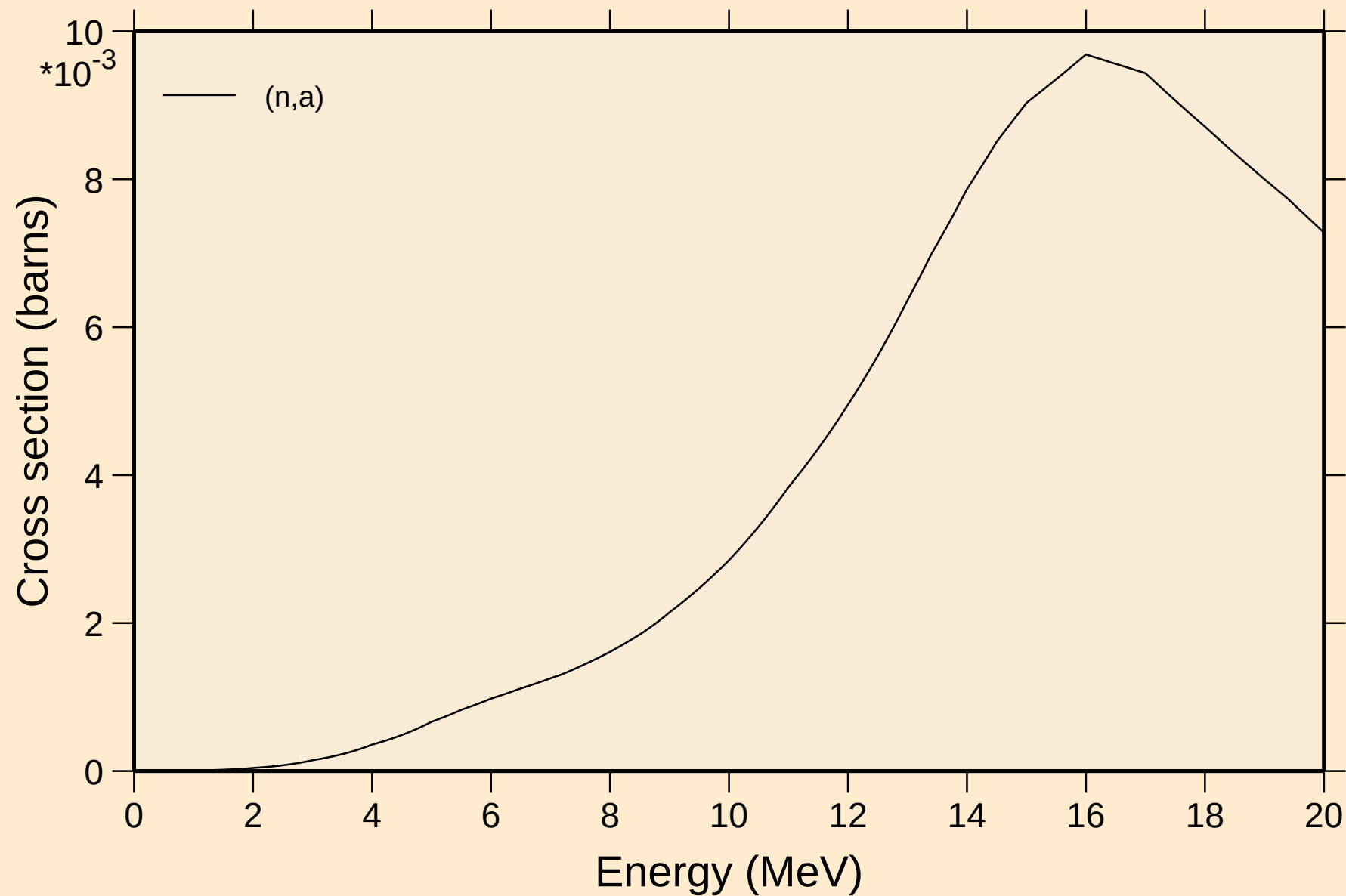
JEFF-3.1 ZR-91

Threshold reactions



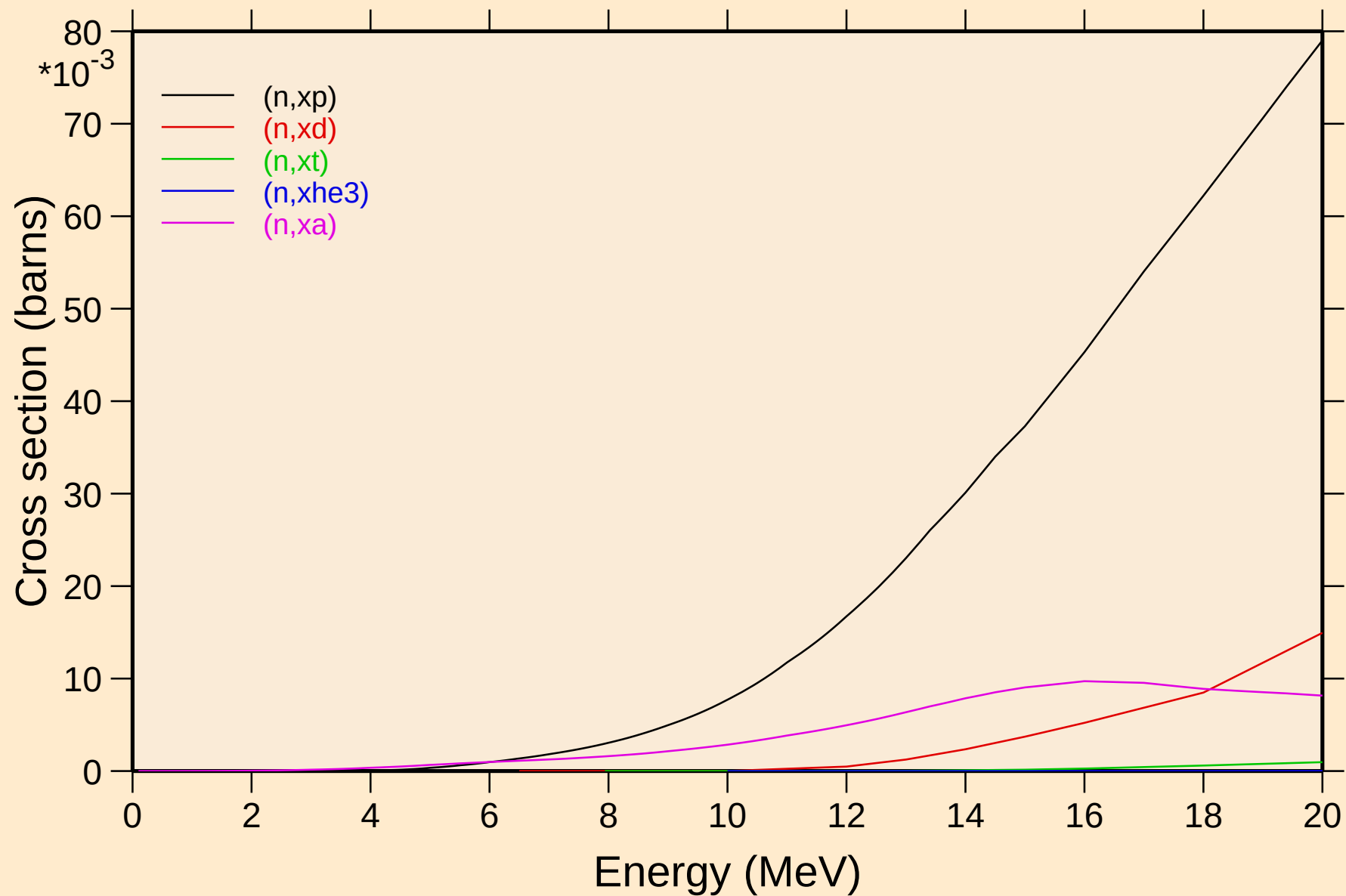
JEFF-3.1 ZR-91

Threshold reactions

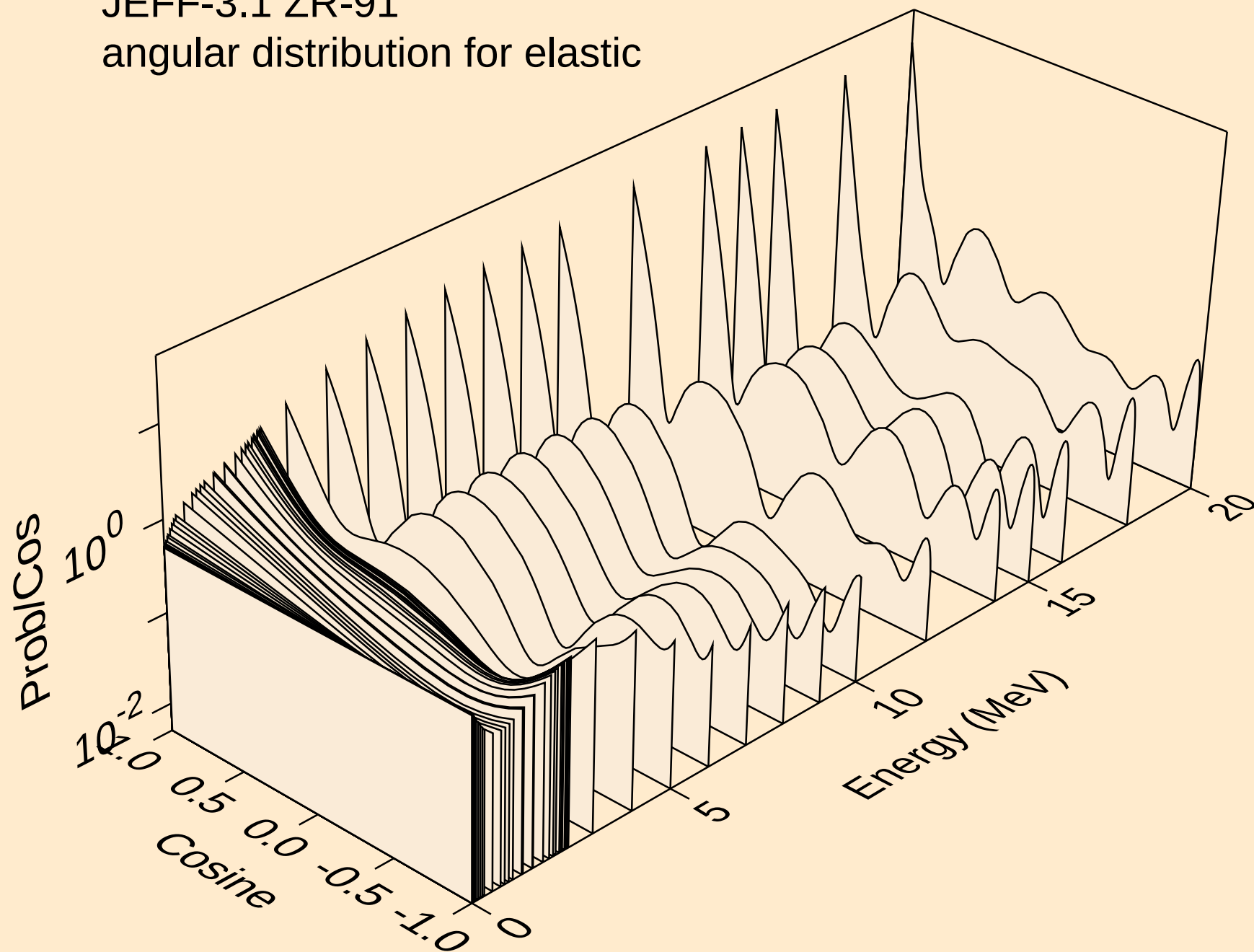


JEFF-3.1 ZR-91

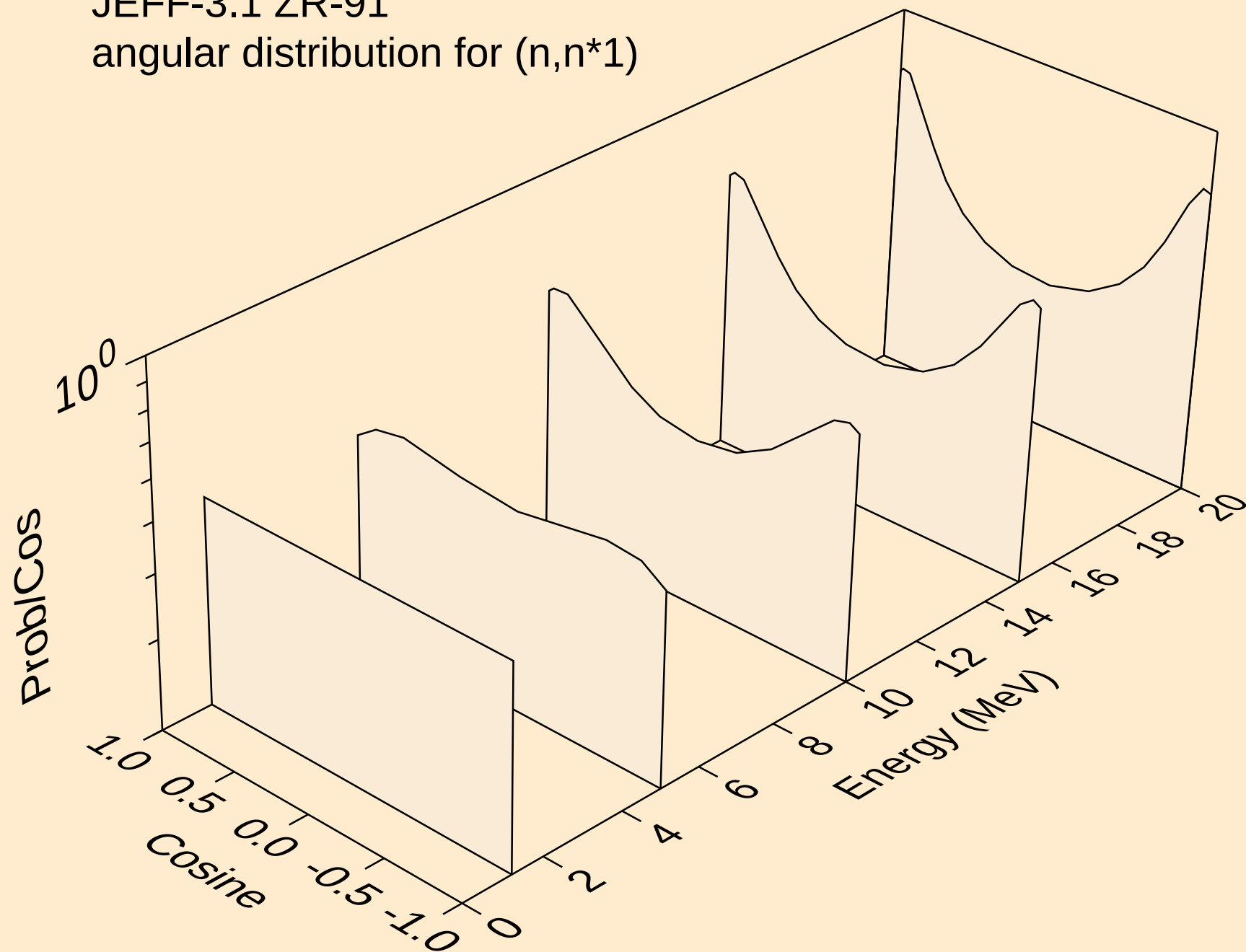
Threshold reactions



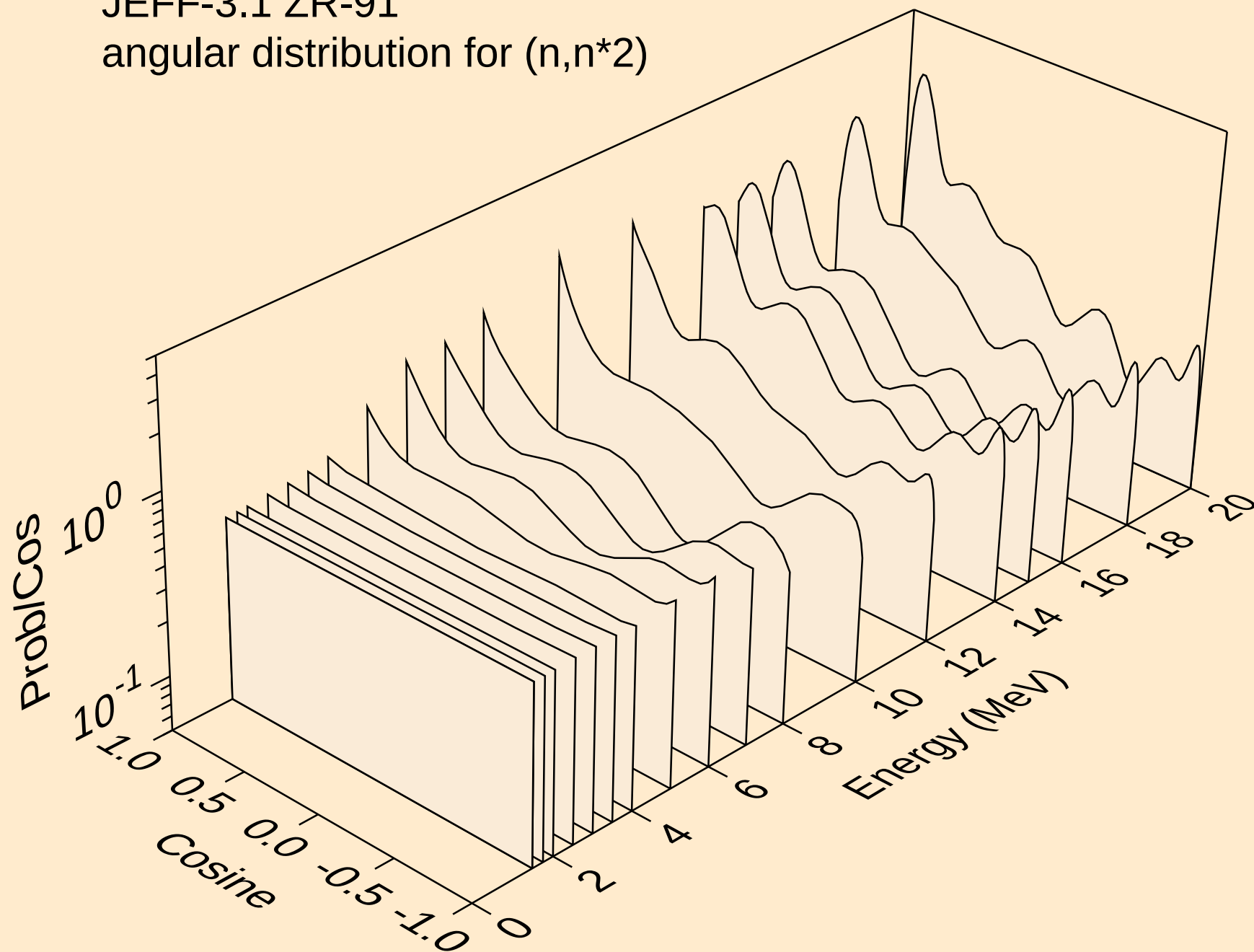
JEFF-3.1 ZR-91
angular distribution for elastic



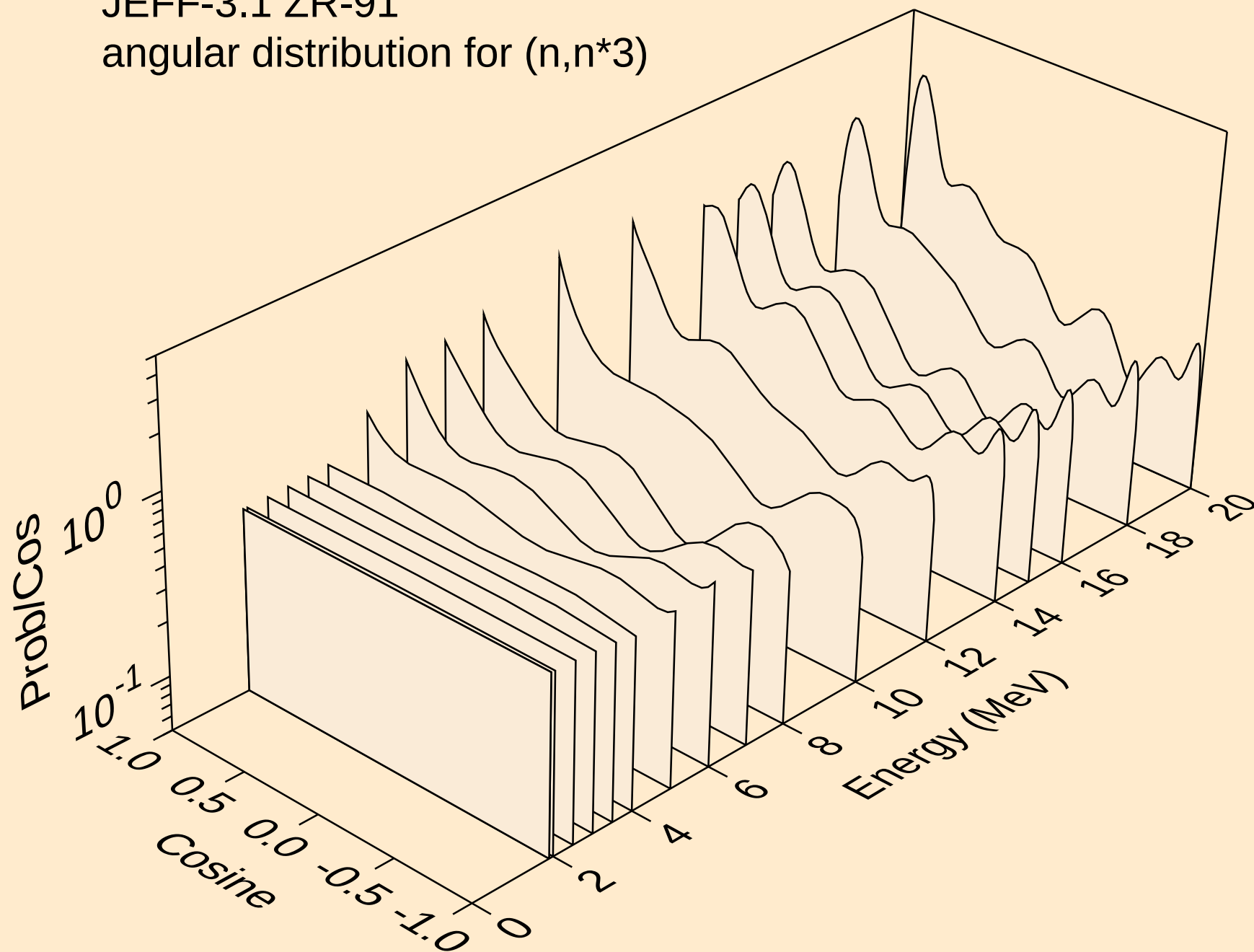
JEFF-3.1 ZR-91
angular distribution for (n,n*1)



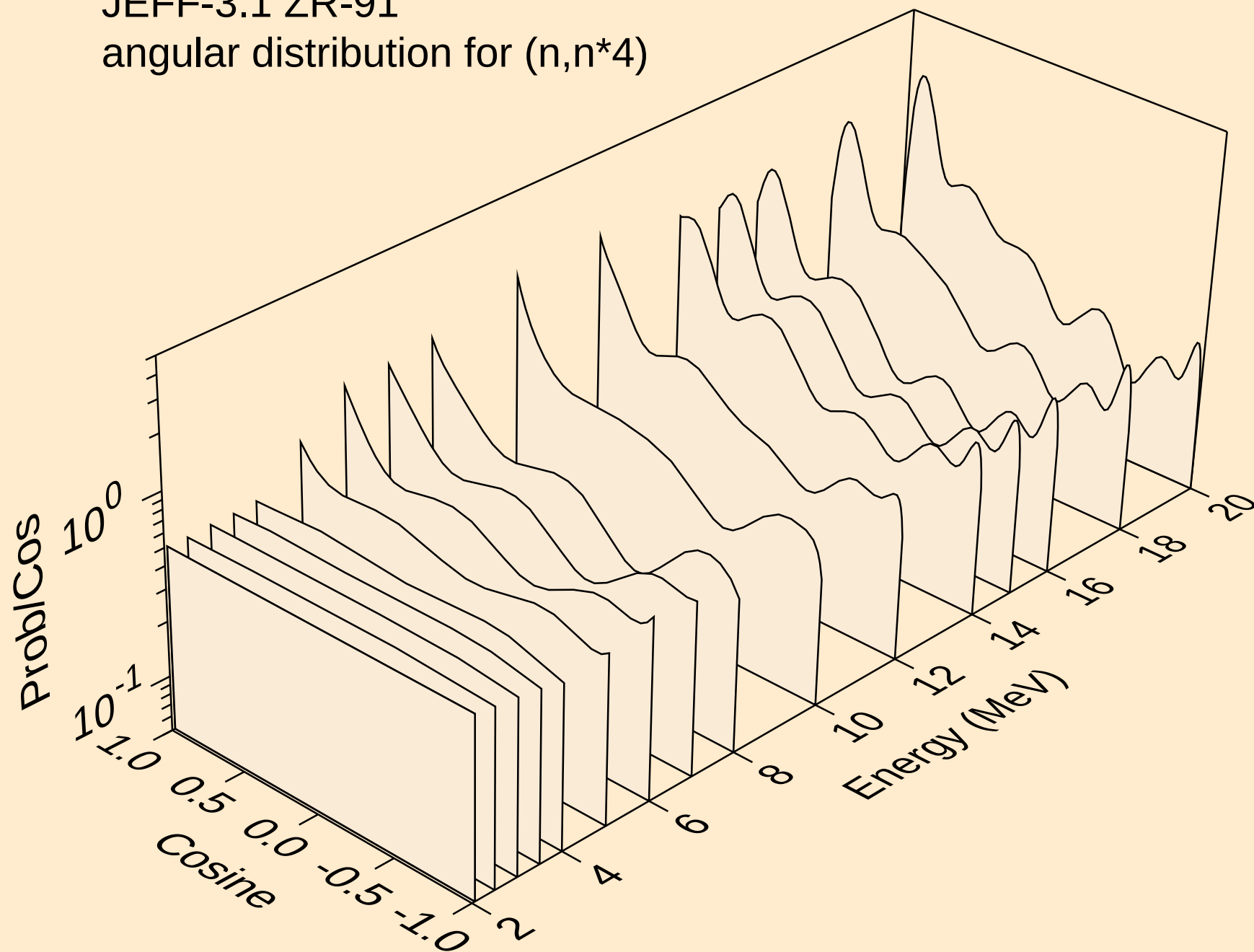
JEFF-3.1 ZR-91
angular distribution for (n,n*2)



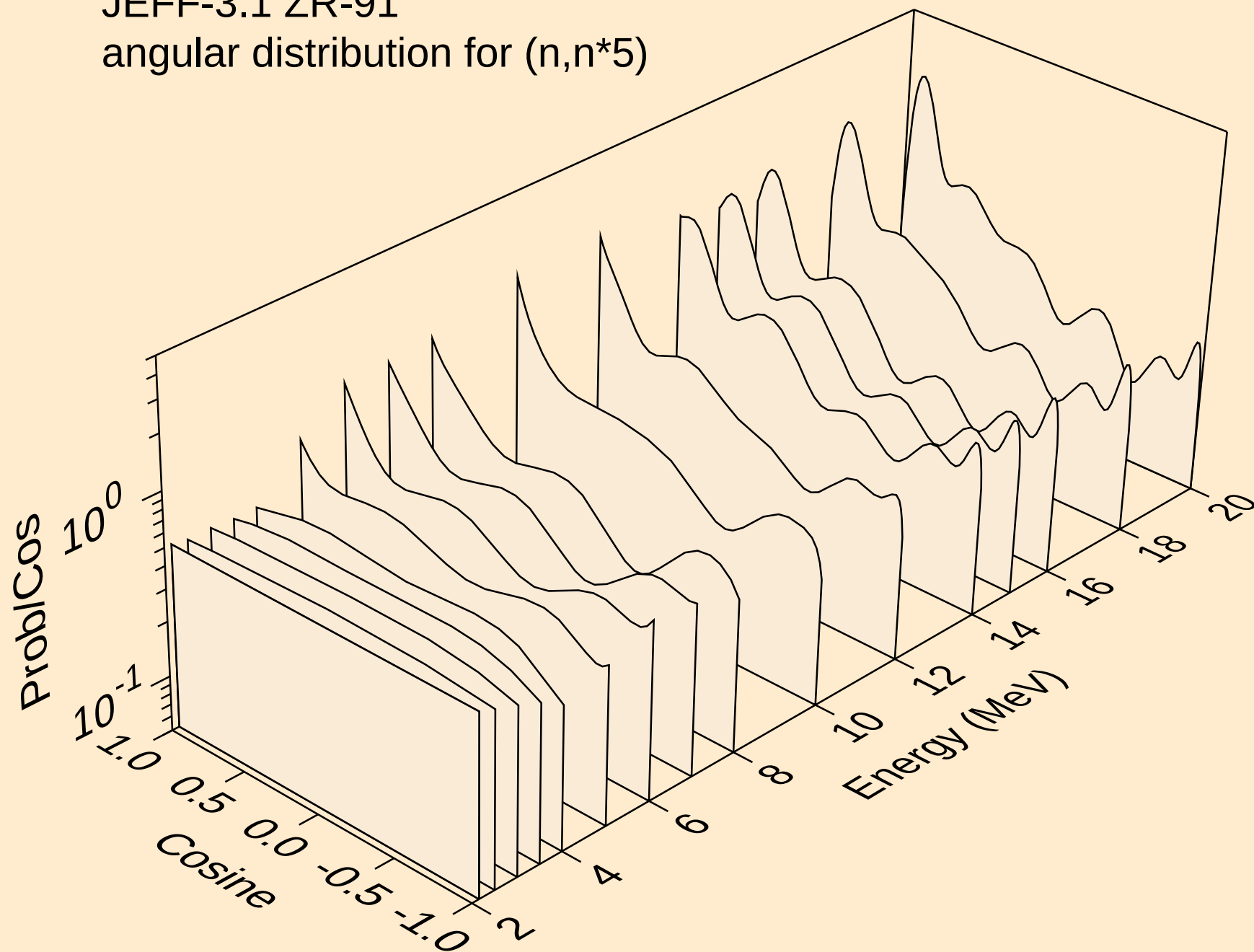
JEFF-3.1 ZR-91
angular distribution for (n,n*3)



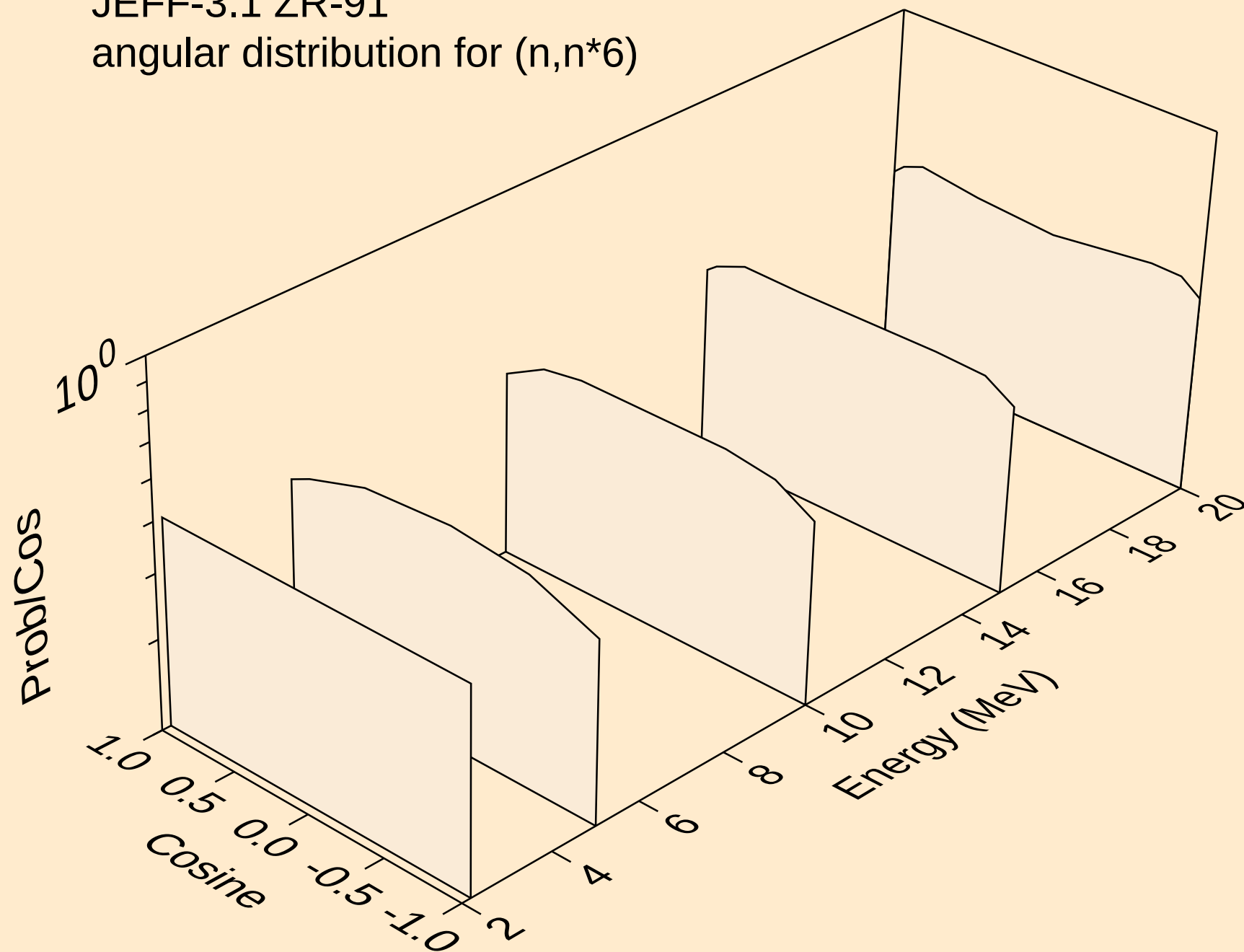
JEFF-3.1 ZR-91
angular distribution for (n,n*4)



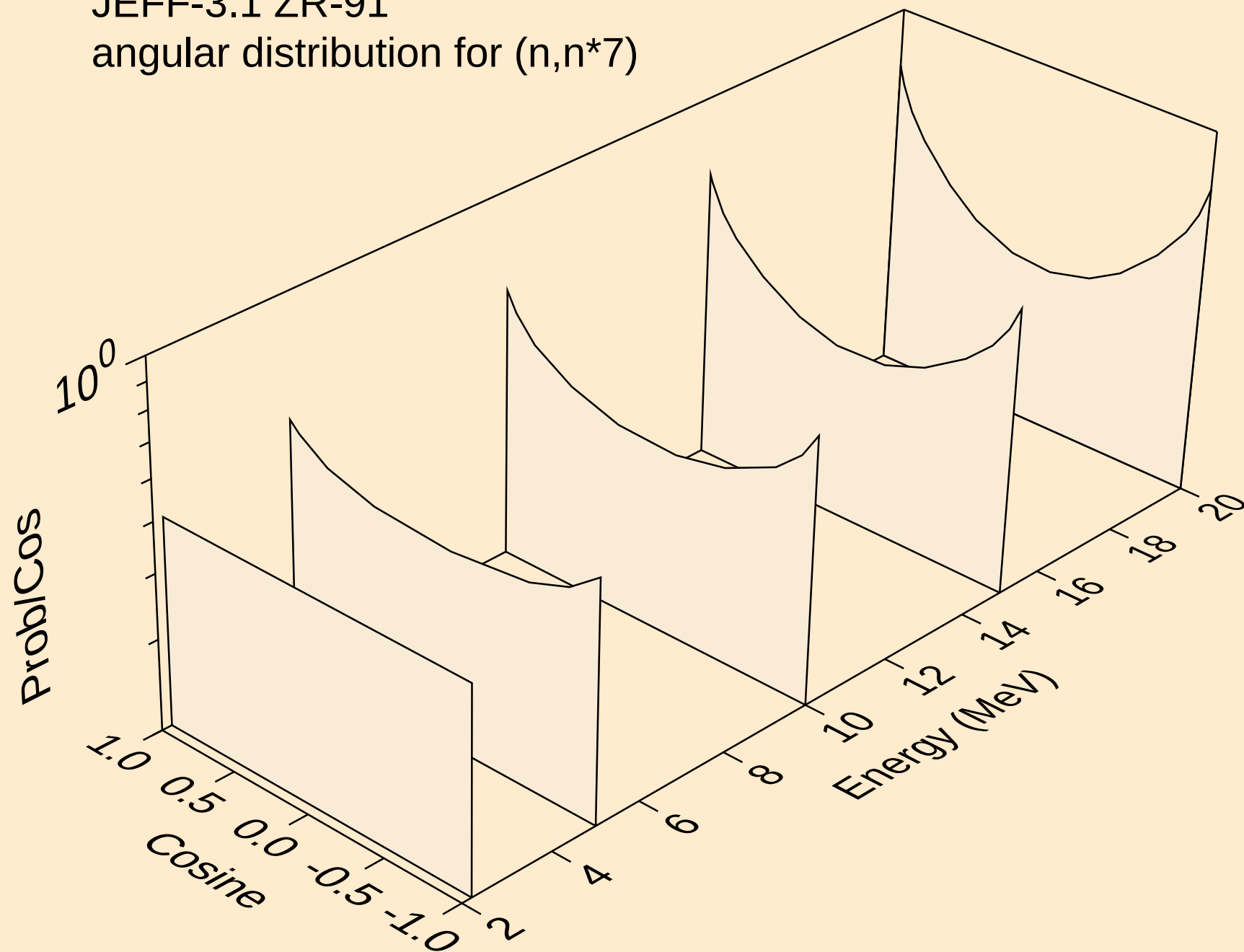
JEFF-3.1 ZR-91
angular distribution for (n,n*5)



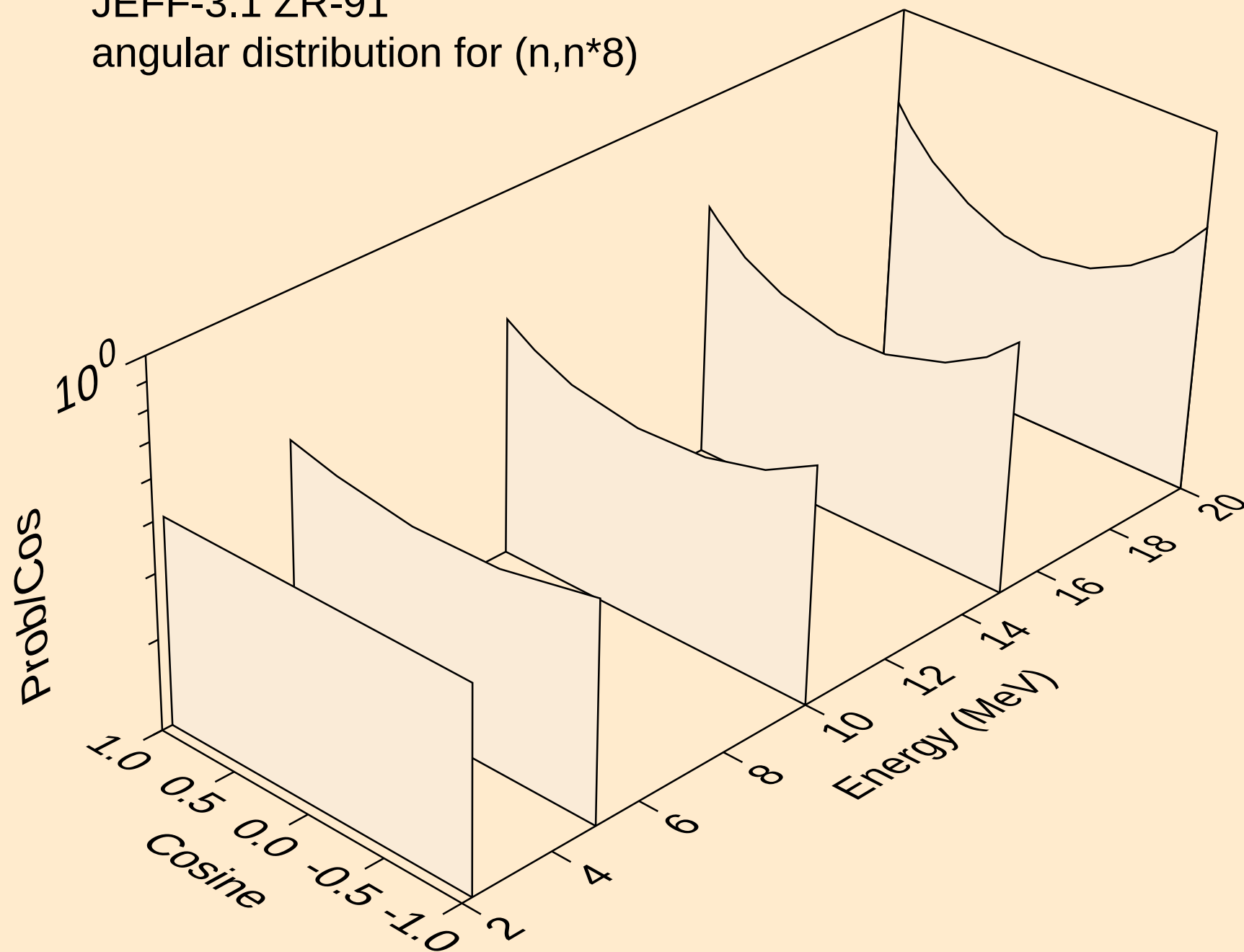
JEFF-3.1 ZR-91
angular distribution for (n,n*6)



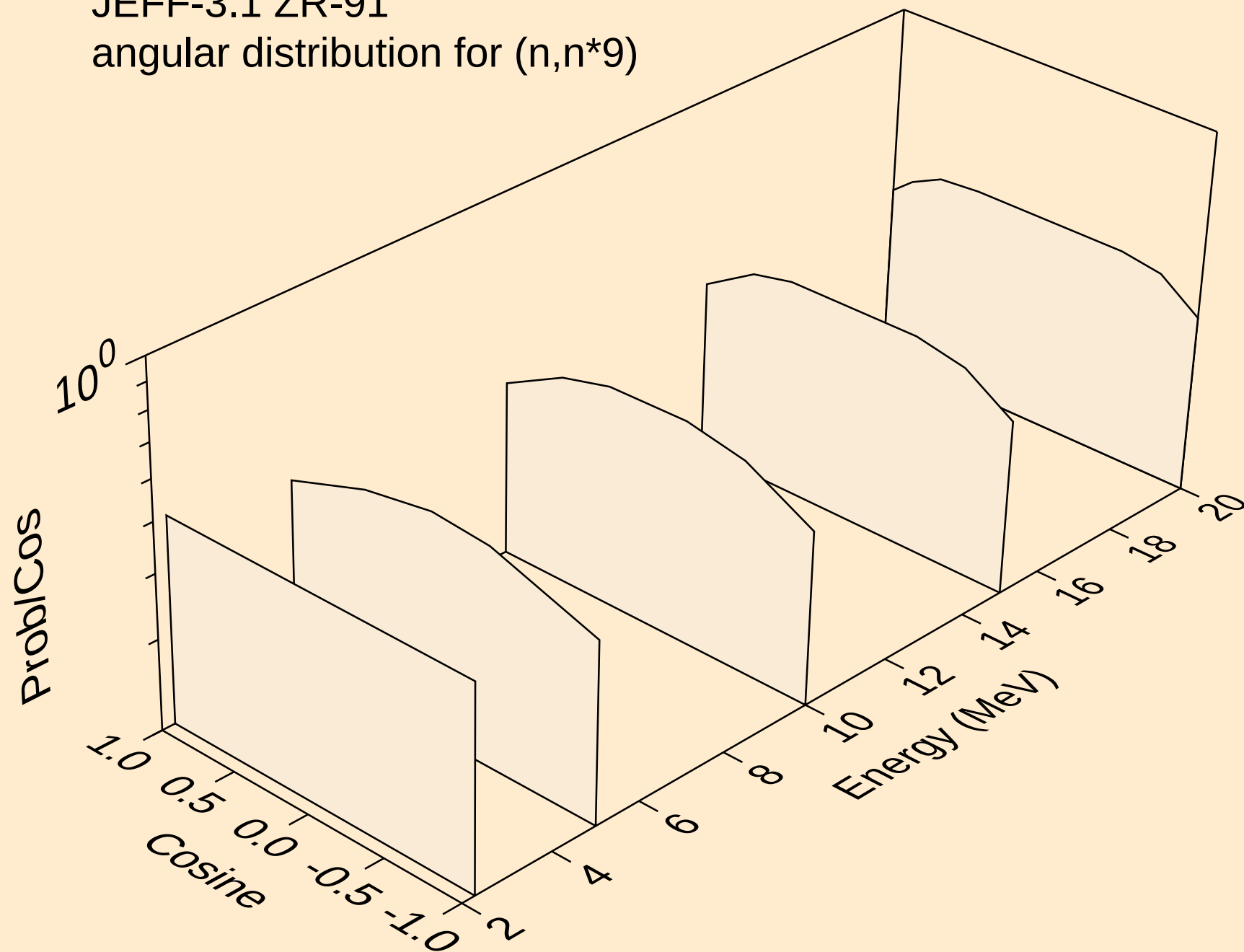
JEFF-3.1 ZR-91
angular distribution for (n,n*7)



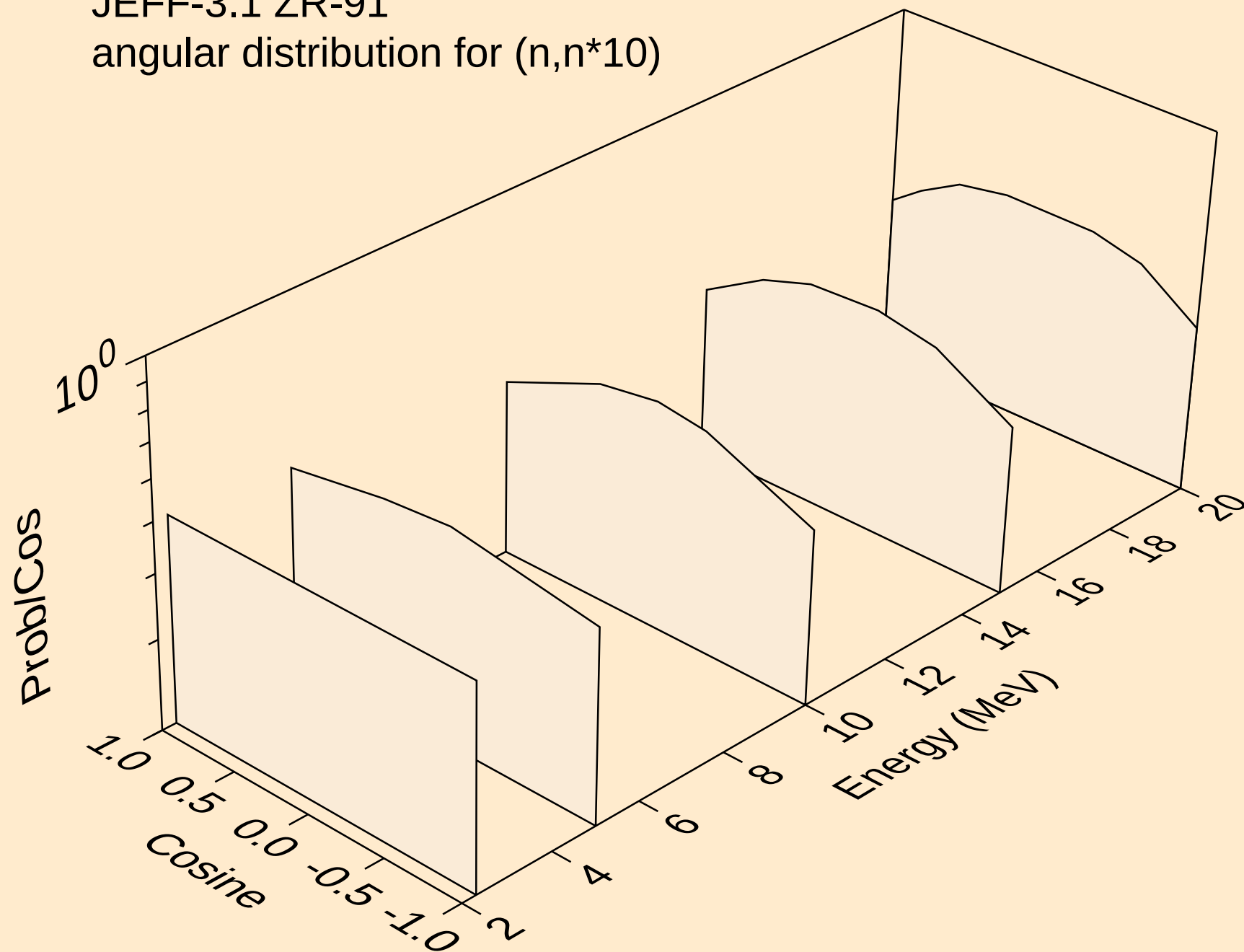
JEFF-3.1 ZR-91
angular distribution for (n,n*8)



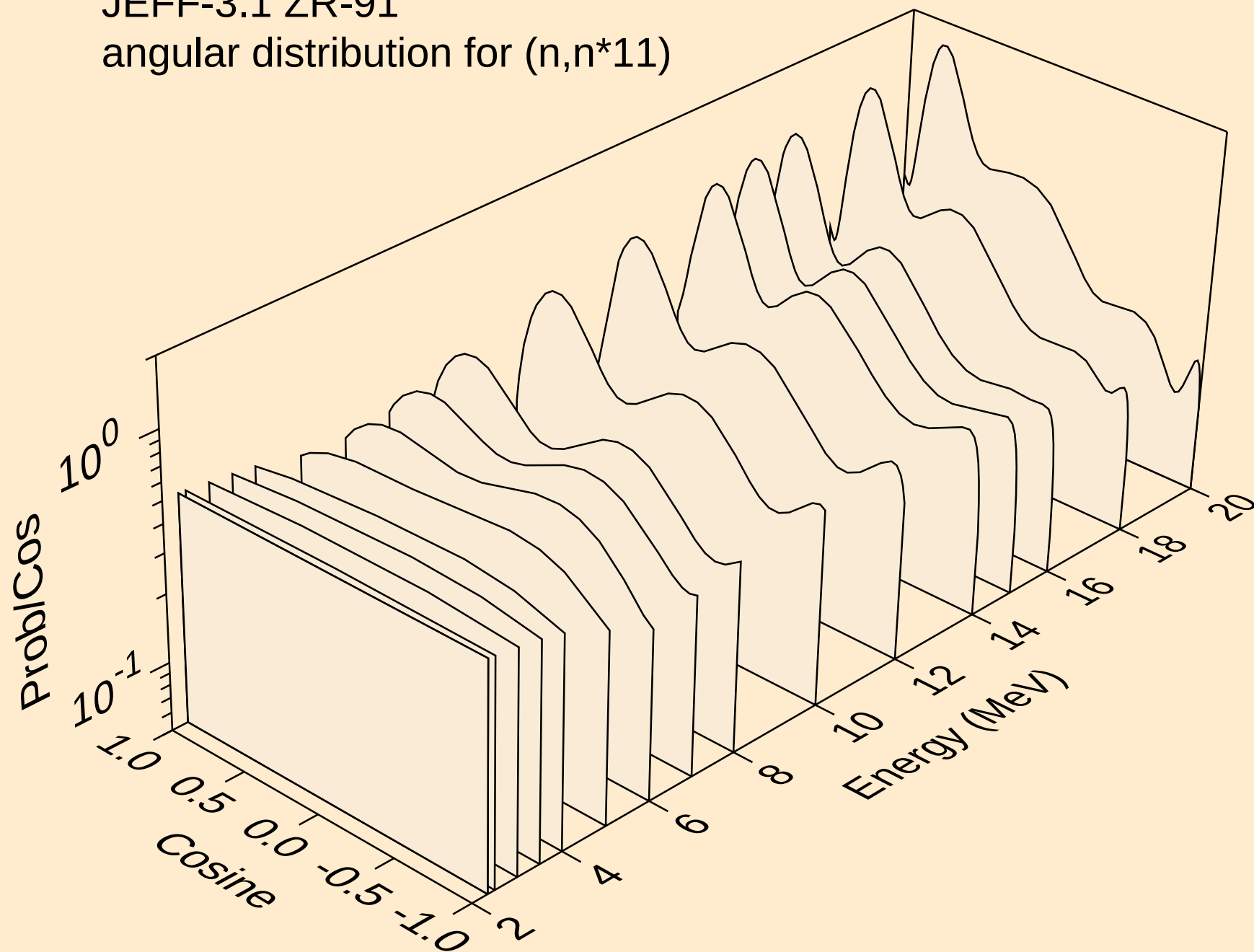
JEFF-3.1 ZR-91
angular distribution for (n,n*9)



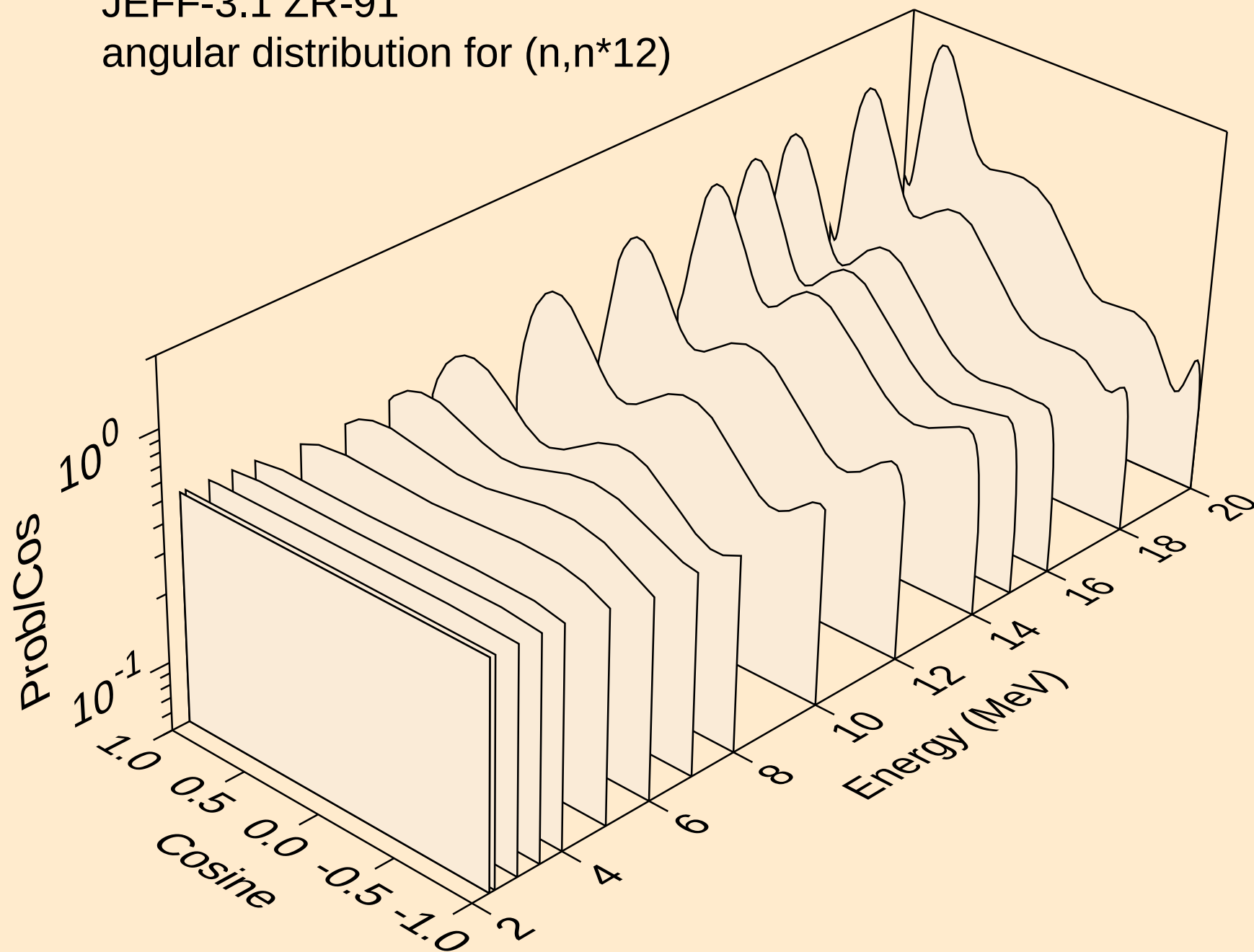
JEFF-3.1 ZR-91
angular distribution for (n,n*10)



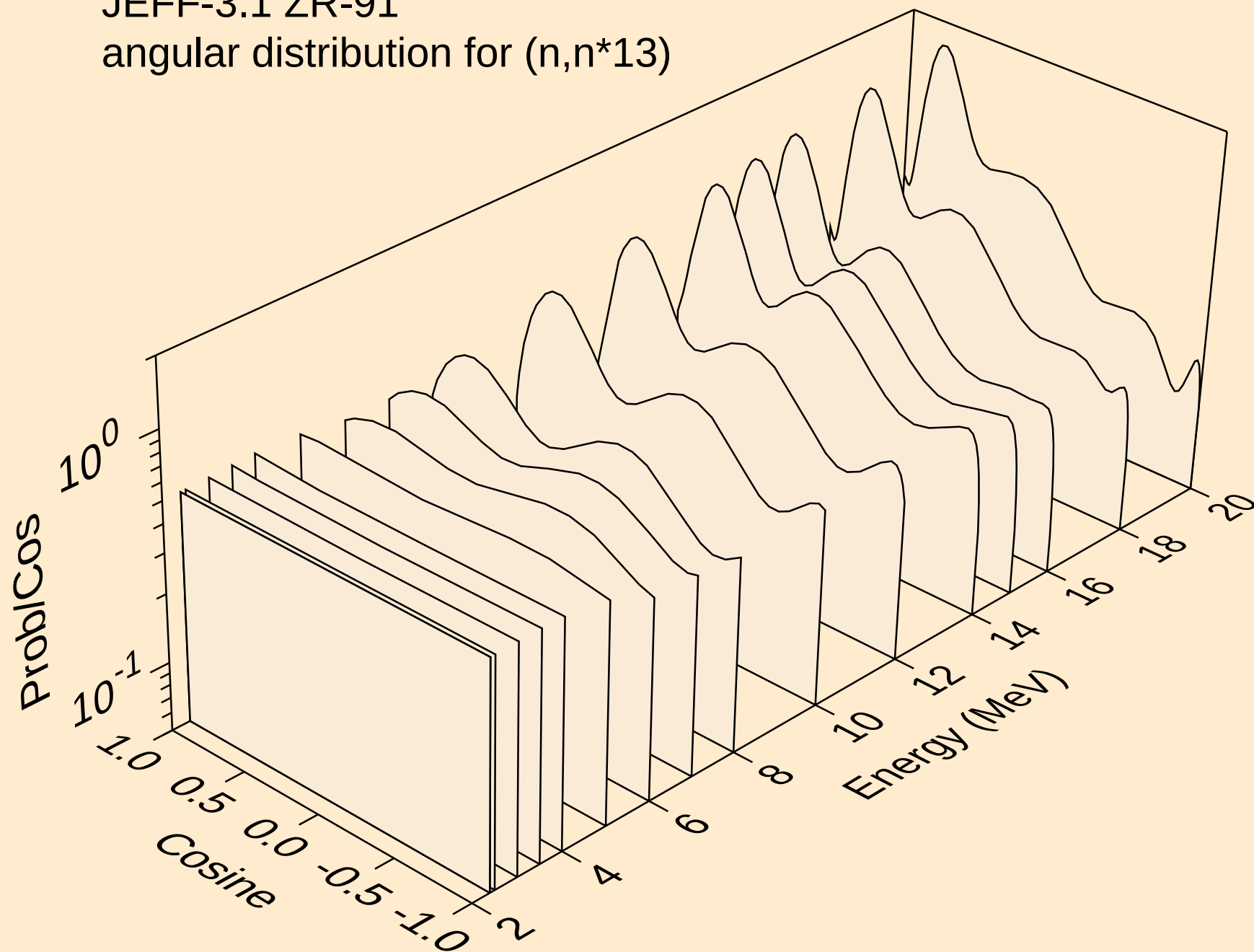
JEFF-3.1 ZR-91
angular distribution for (n,n*11)



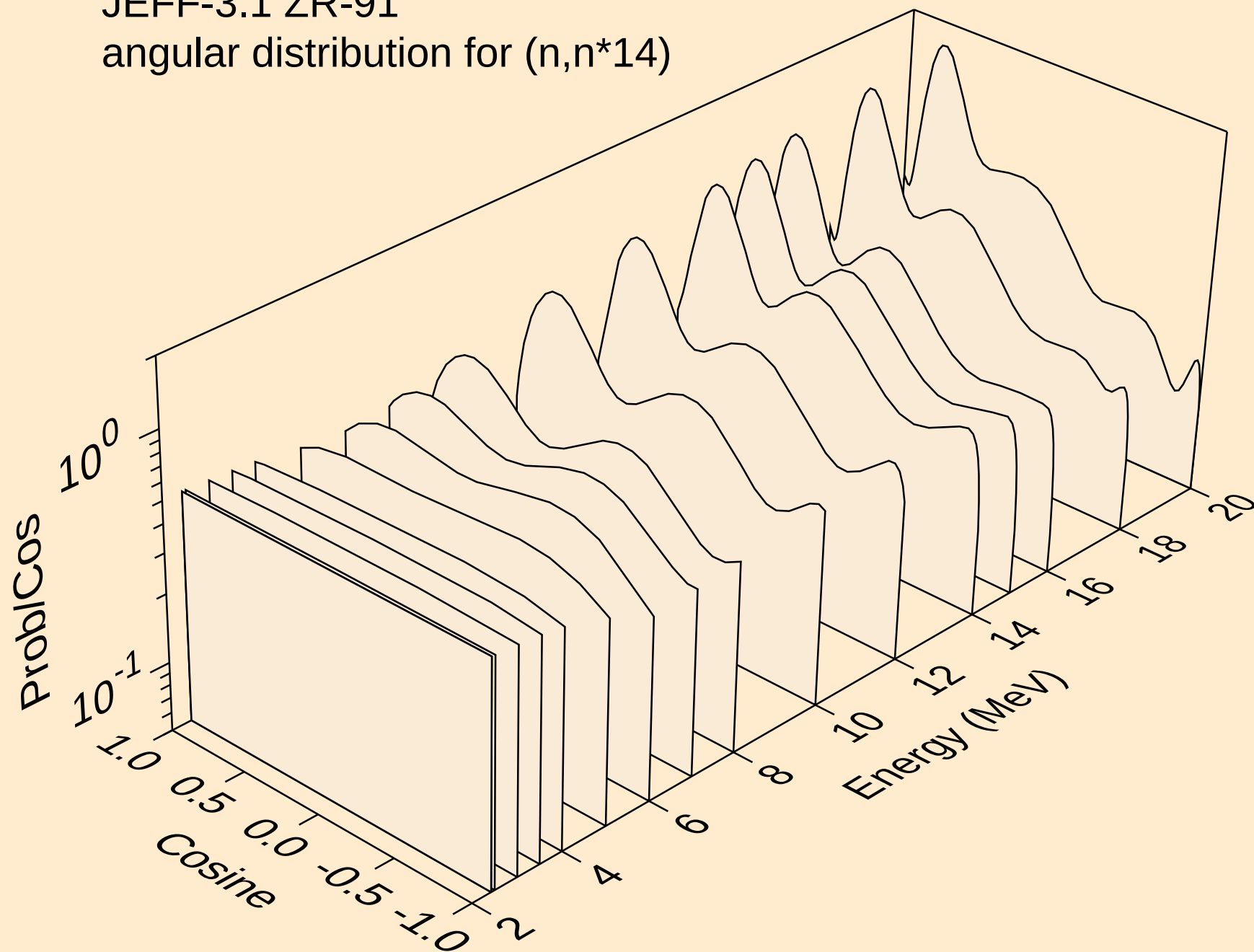
JEFF-3.1 ZR-91
angular distribution for (n,n*12)



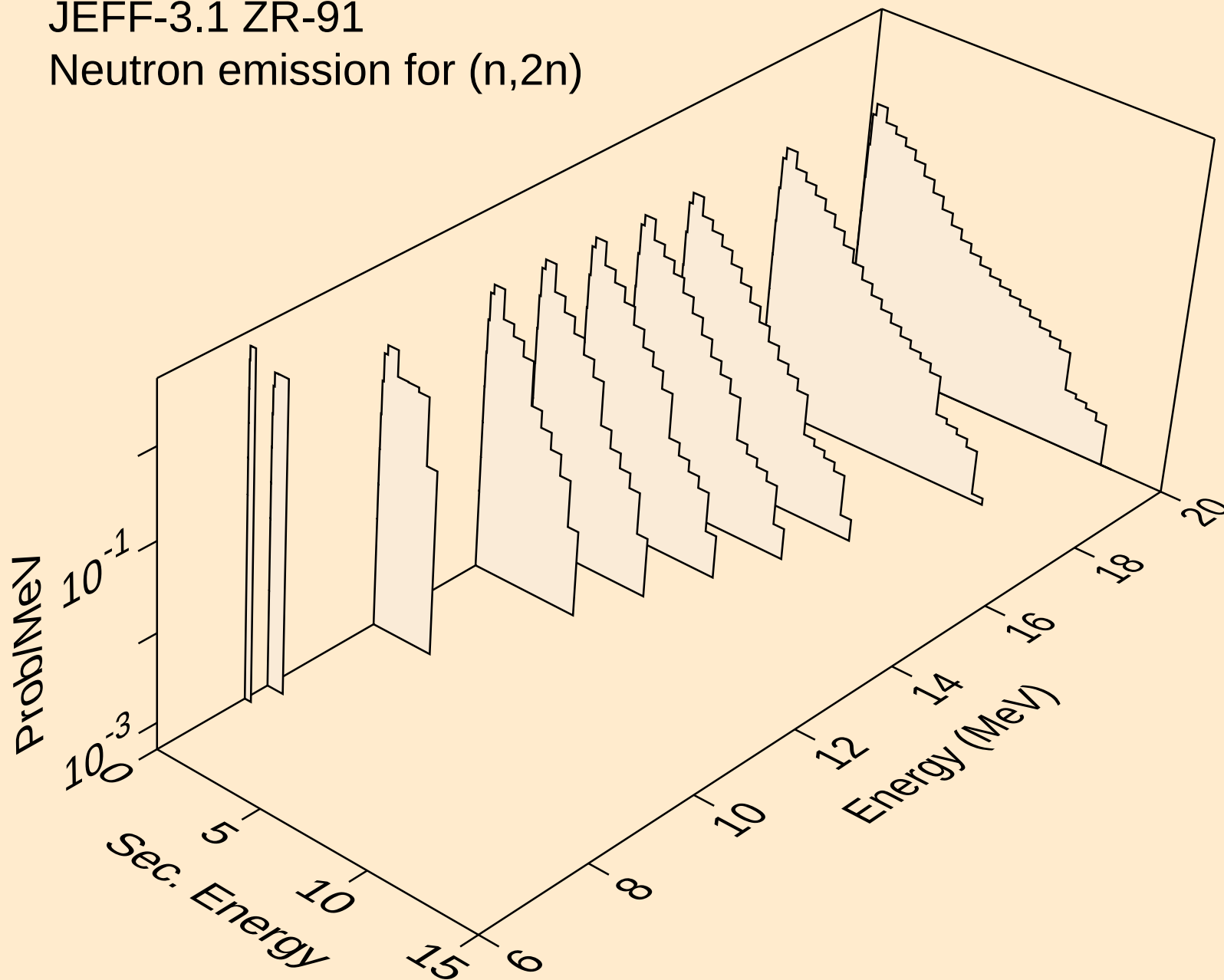
JEFF-3.1 ZR-91
angular distribution for (n,n*13)



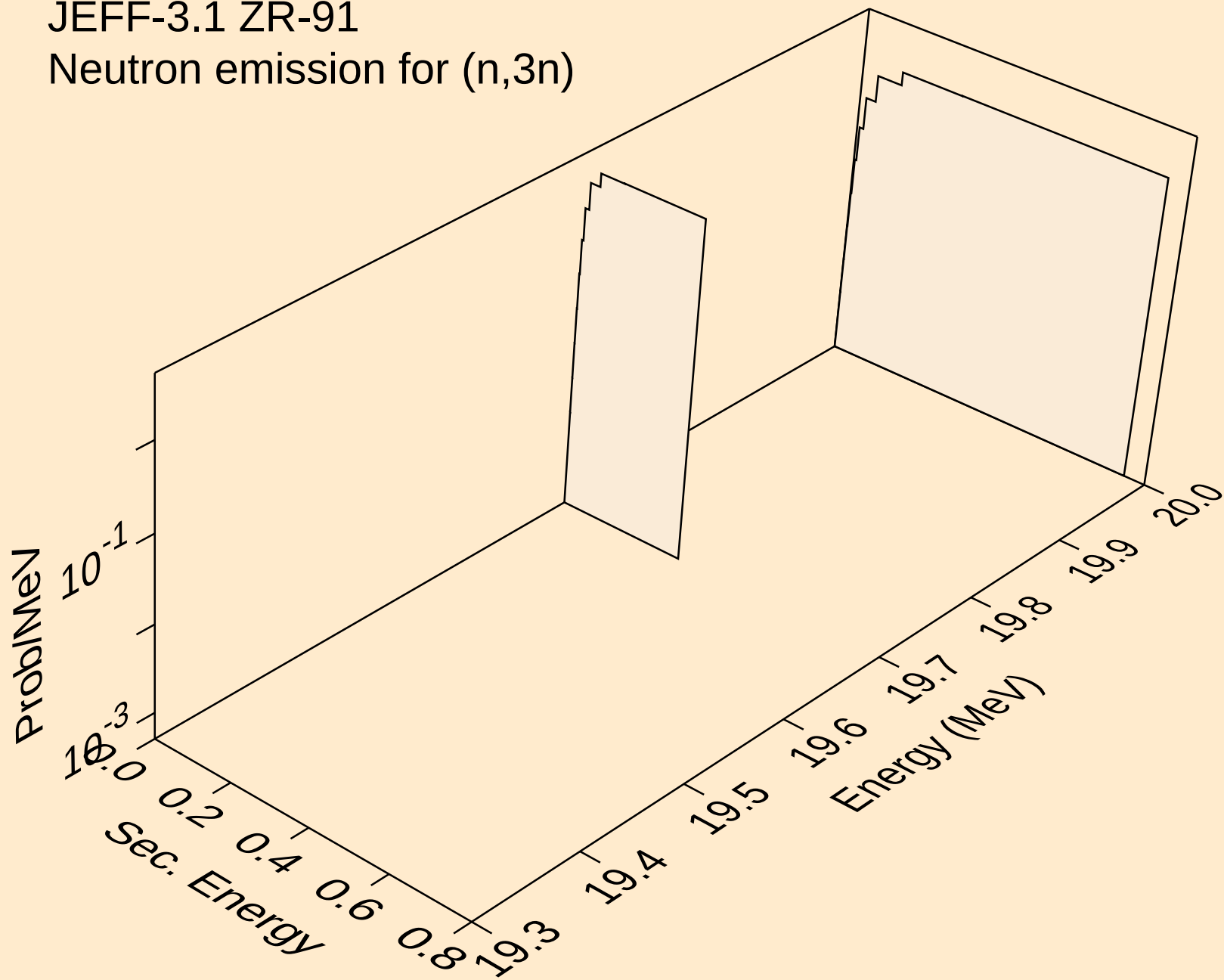
JEFF-3.1 ZR-91
angular distribution for (n,n*14)



JEFF-3.1 ZR-91
Neutron emission for (n,2n)

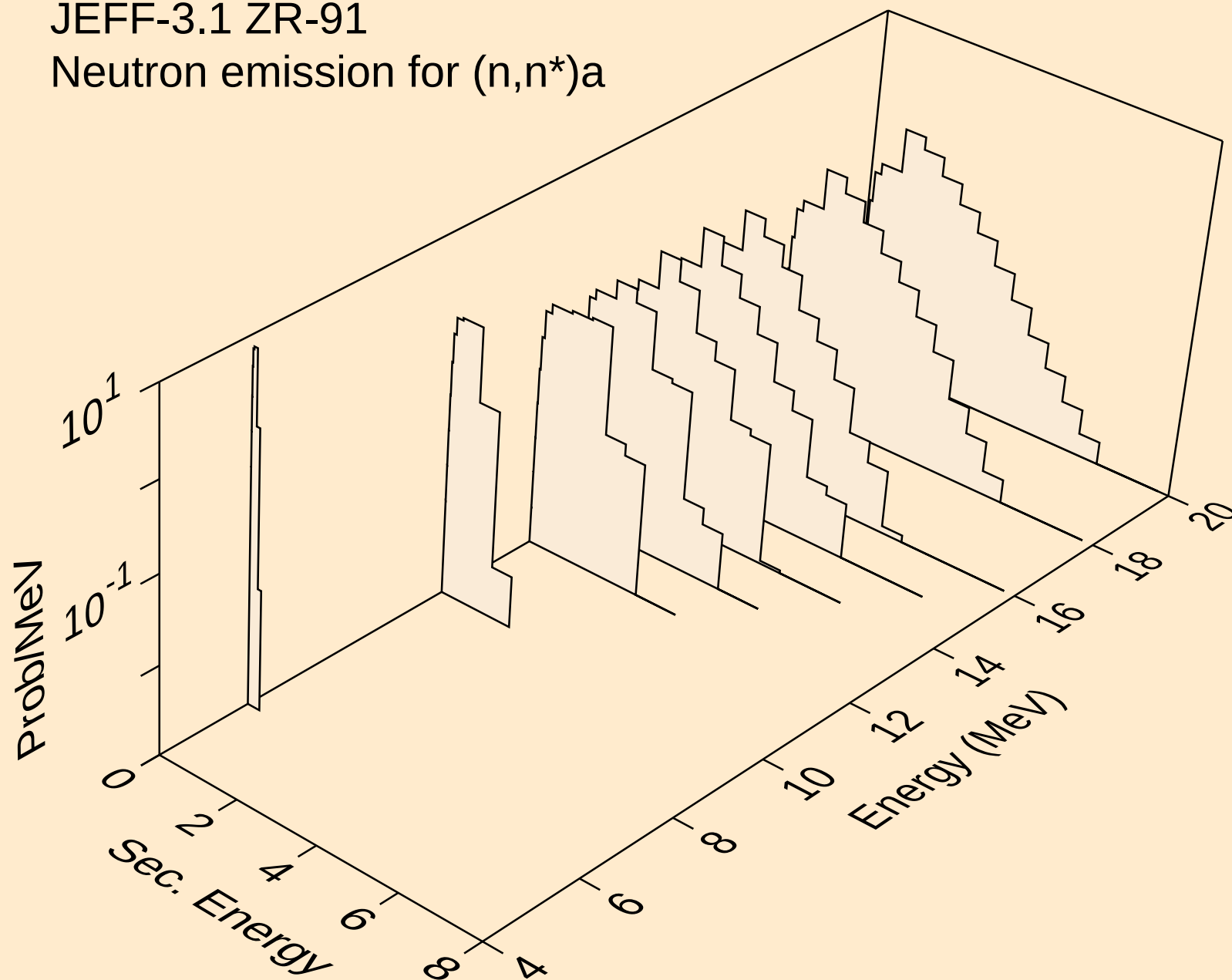


JEFF-3.1 ZR-91
Neutron emission for (n,3n)



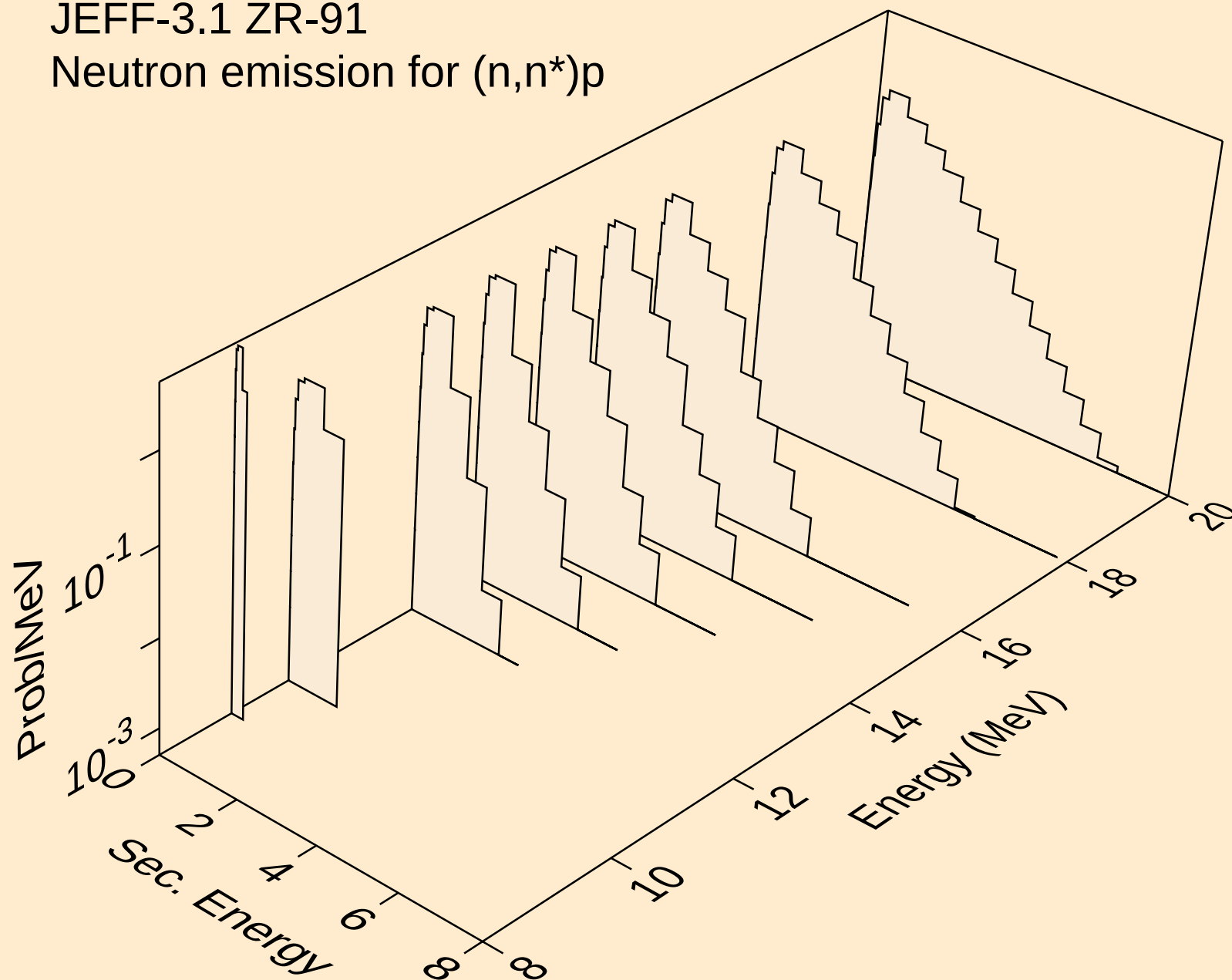
JEFF-3.1 ZR-91

Neutron emission for (n,n*)a



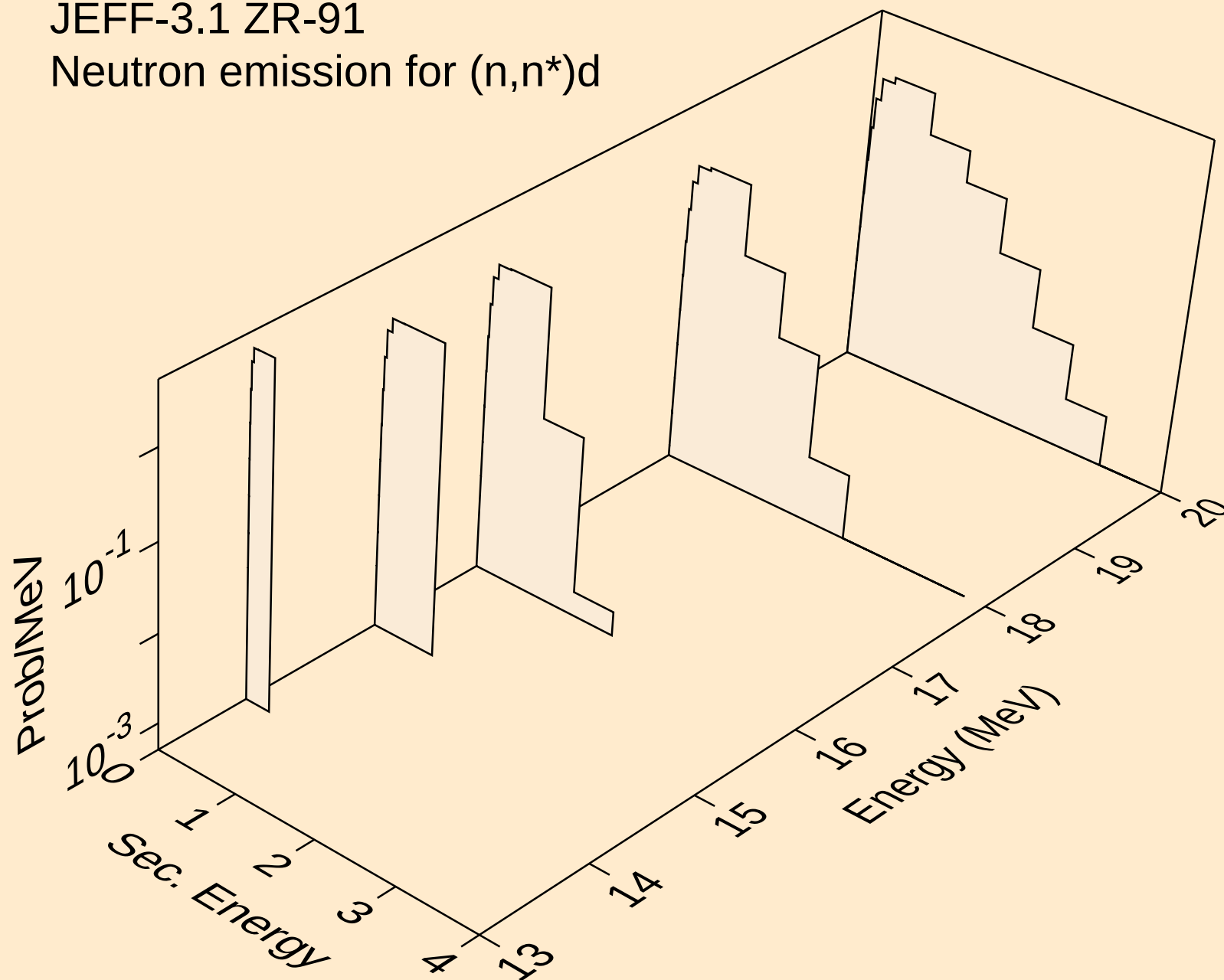
JEFF-3.1 ZR-91

Neutron emission for $(n,n^*)p$

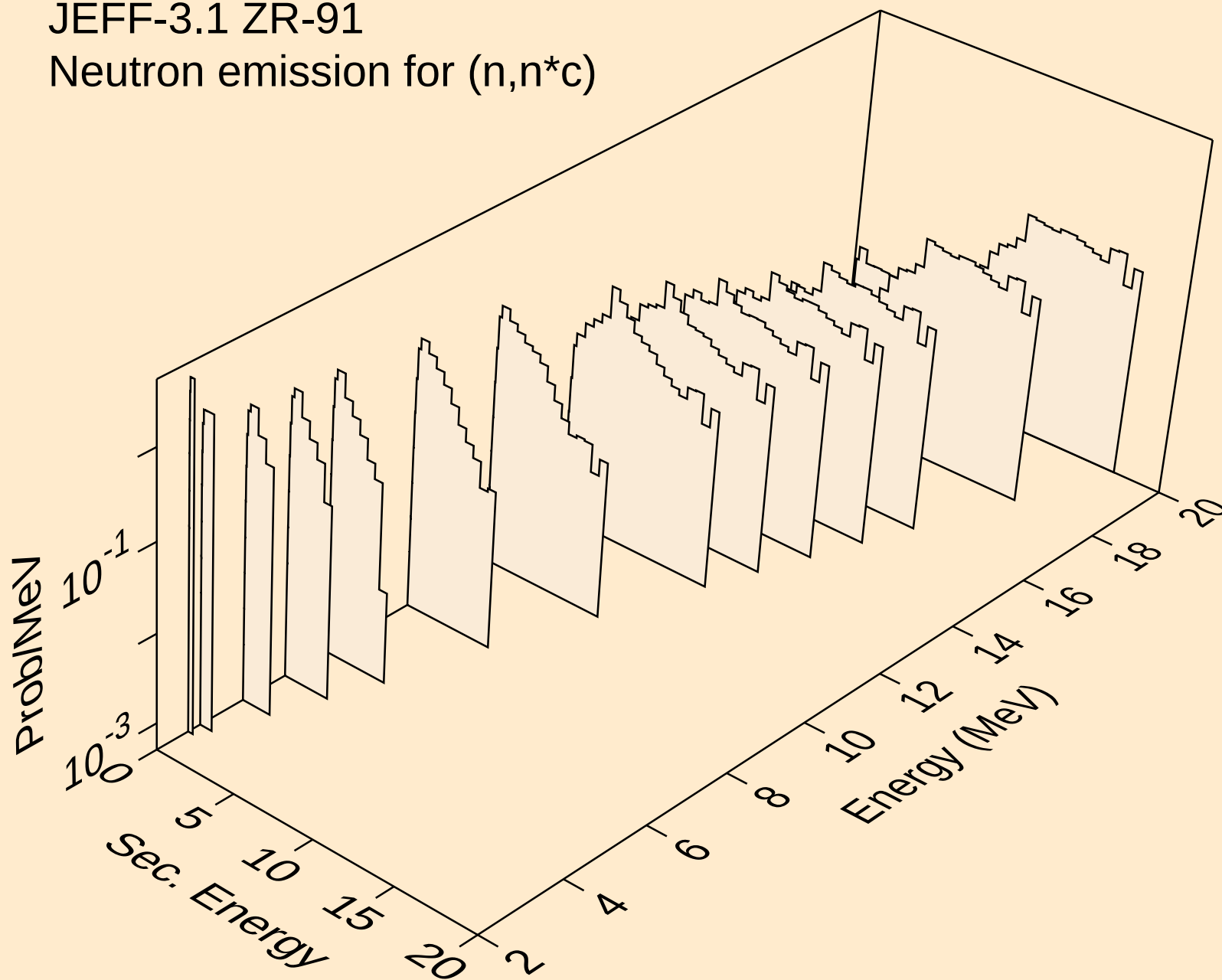


JEFF-3.1 ZR-91

Neutron emission for (n,n*)d

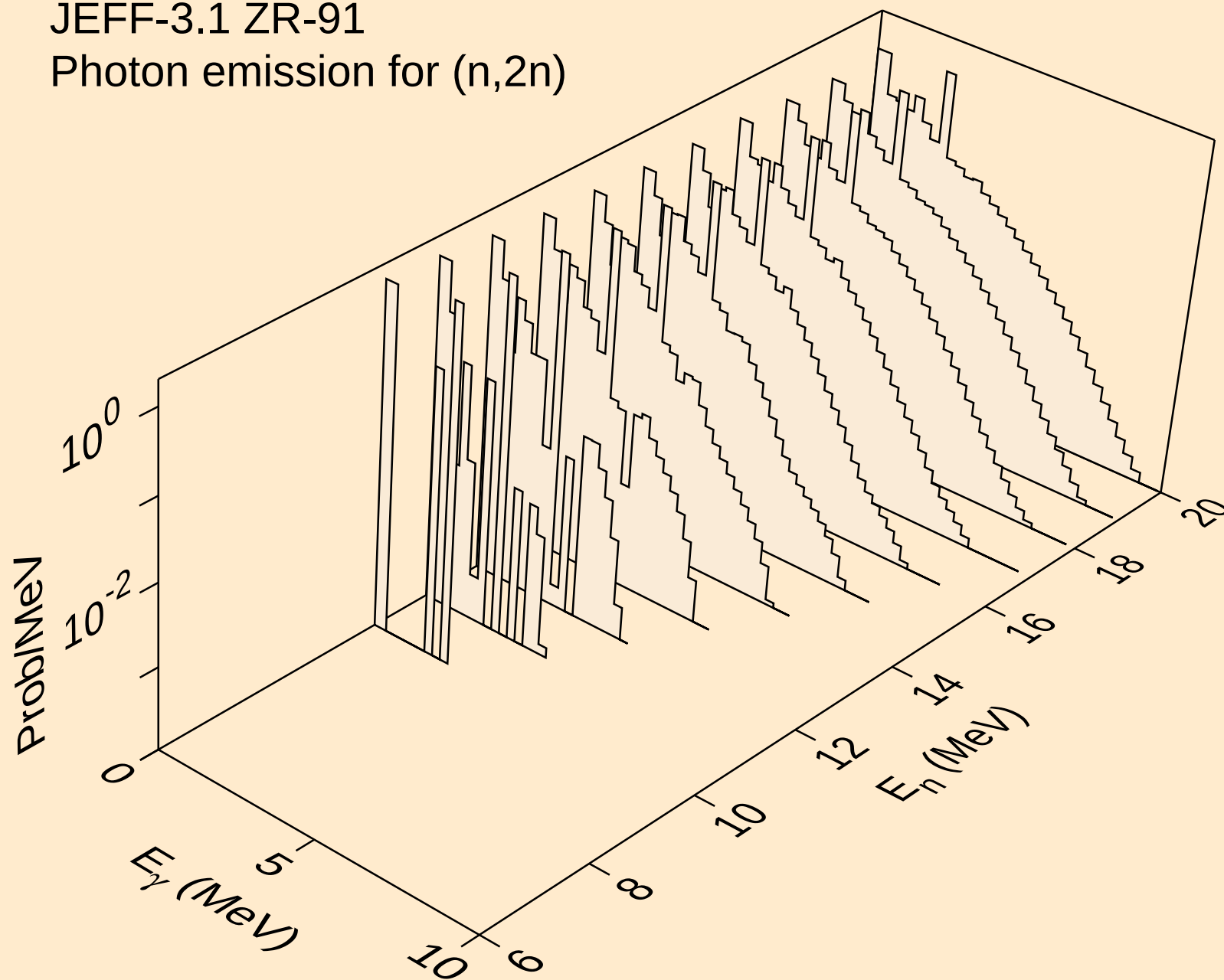


JEFF-3.1 ZR-91
Neutron emission for (n,n*c)



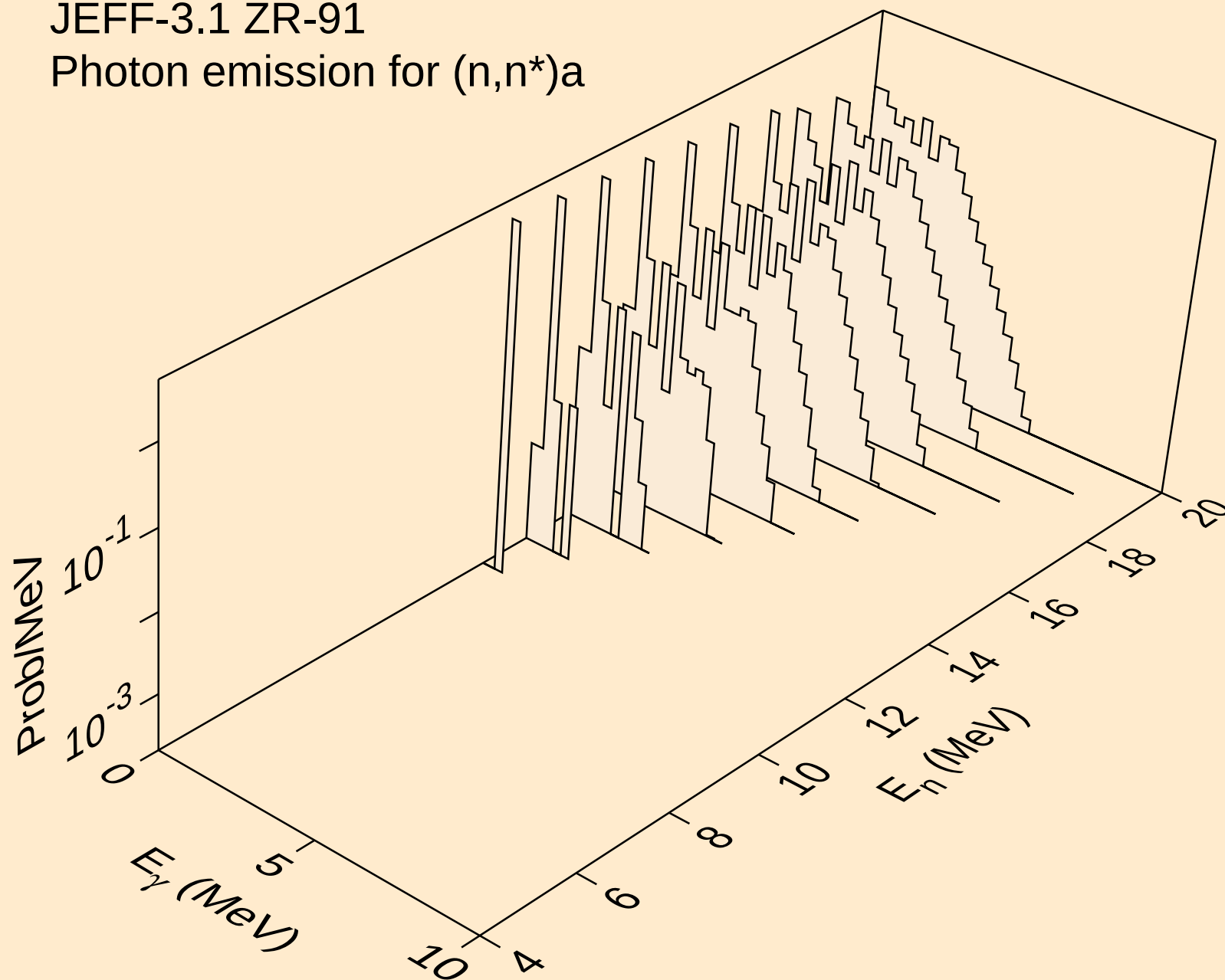
JEFF-3.1 ZR-91

Photon emission for (n,2n)



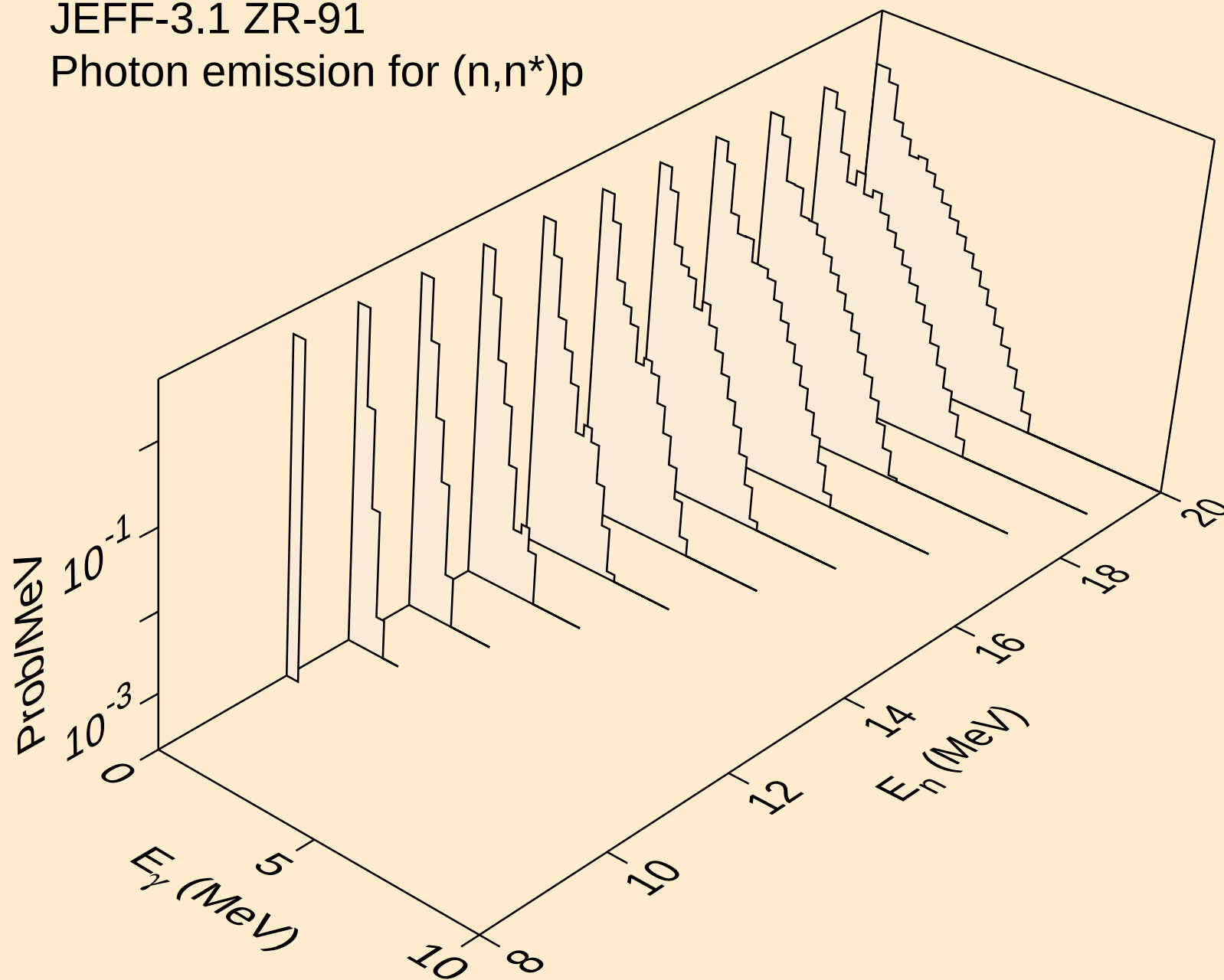
JEFF-3.1 ZR-91

Photon emission for (n,n*)a



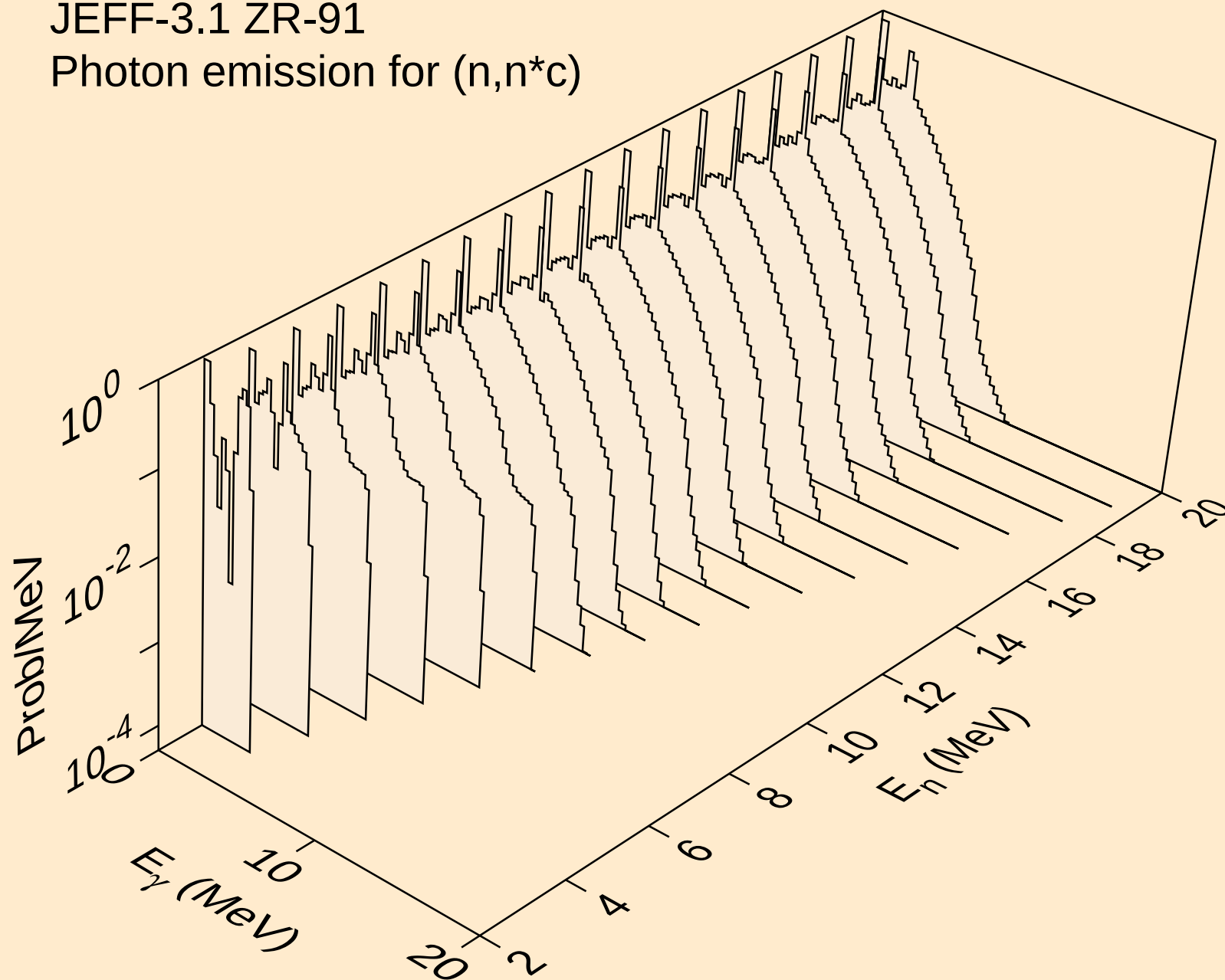
JEFF-3.1 ZR-91

Photon emission for (n,n*)p



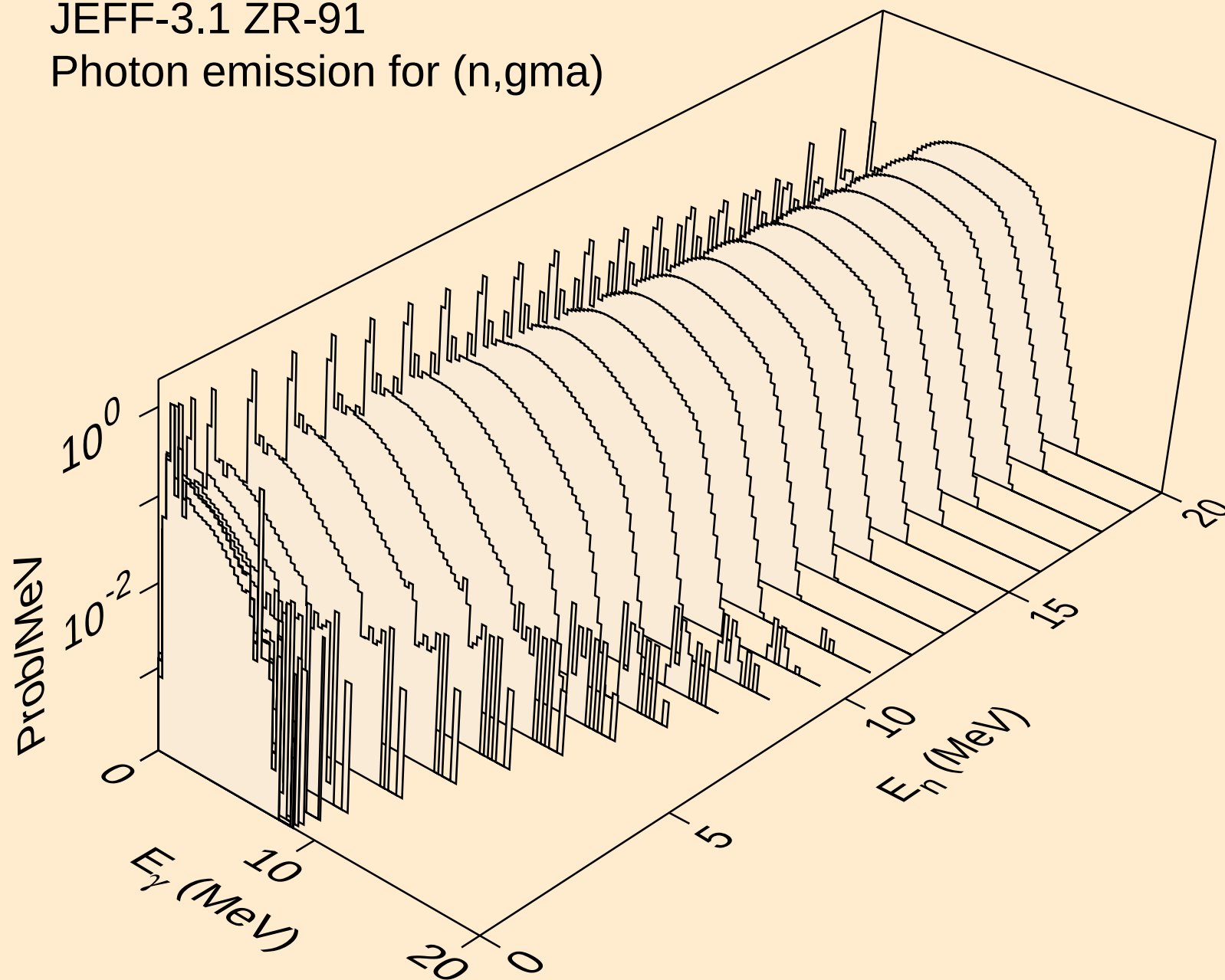
JEFF-3.1 ZR-91

Photon emission for (n,n*c)



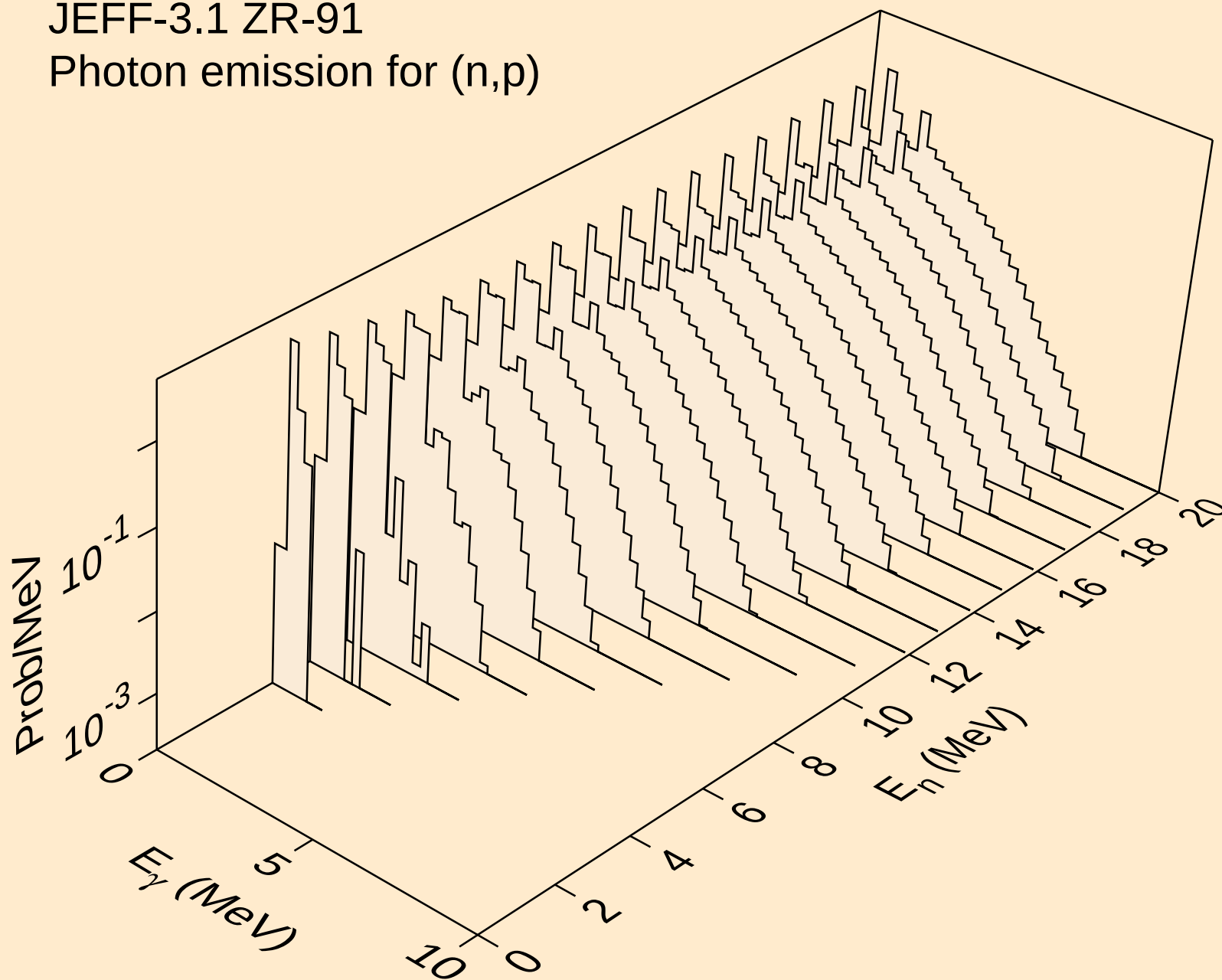
JEFF-3.1 ZR-91

Photon emission for (n,gma)



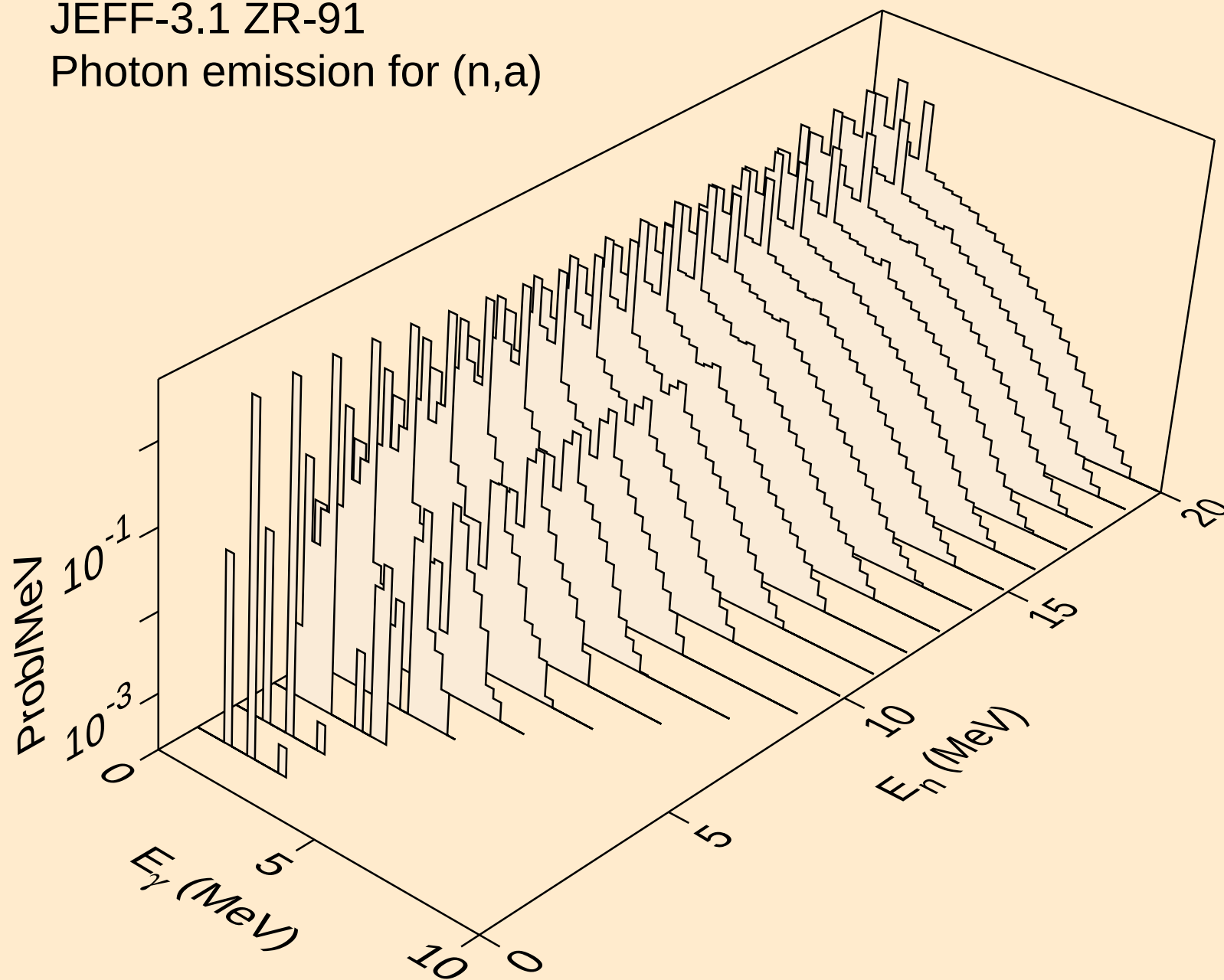
JEFF-3.1 ZR-91

Photon emission for (n,p)

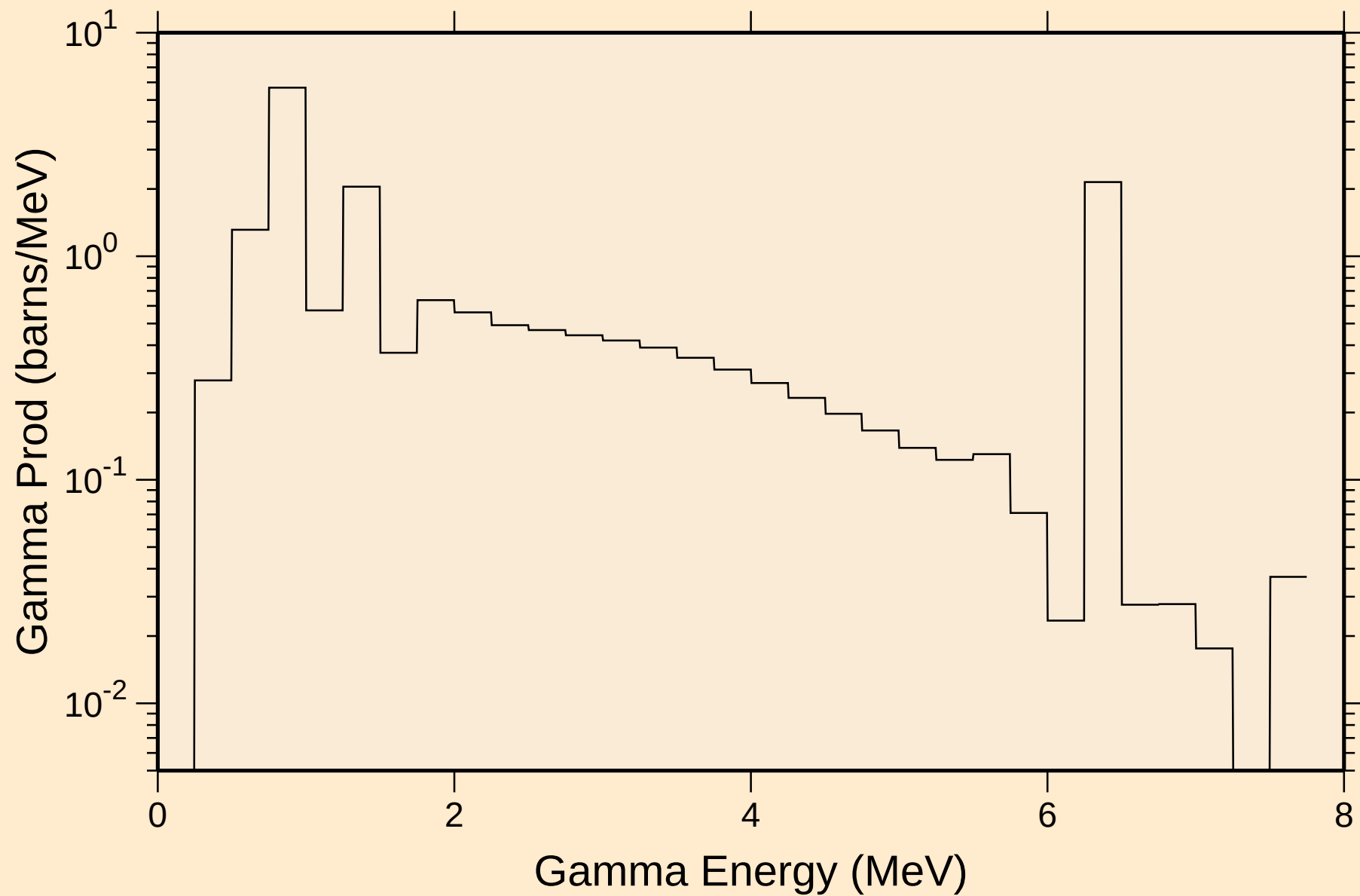


JEFF-3.1 ZR-91

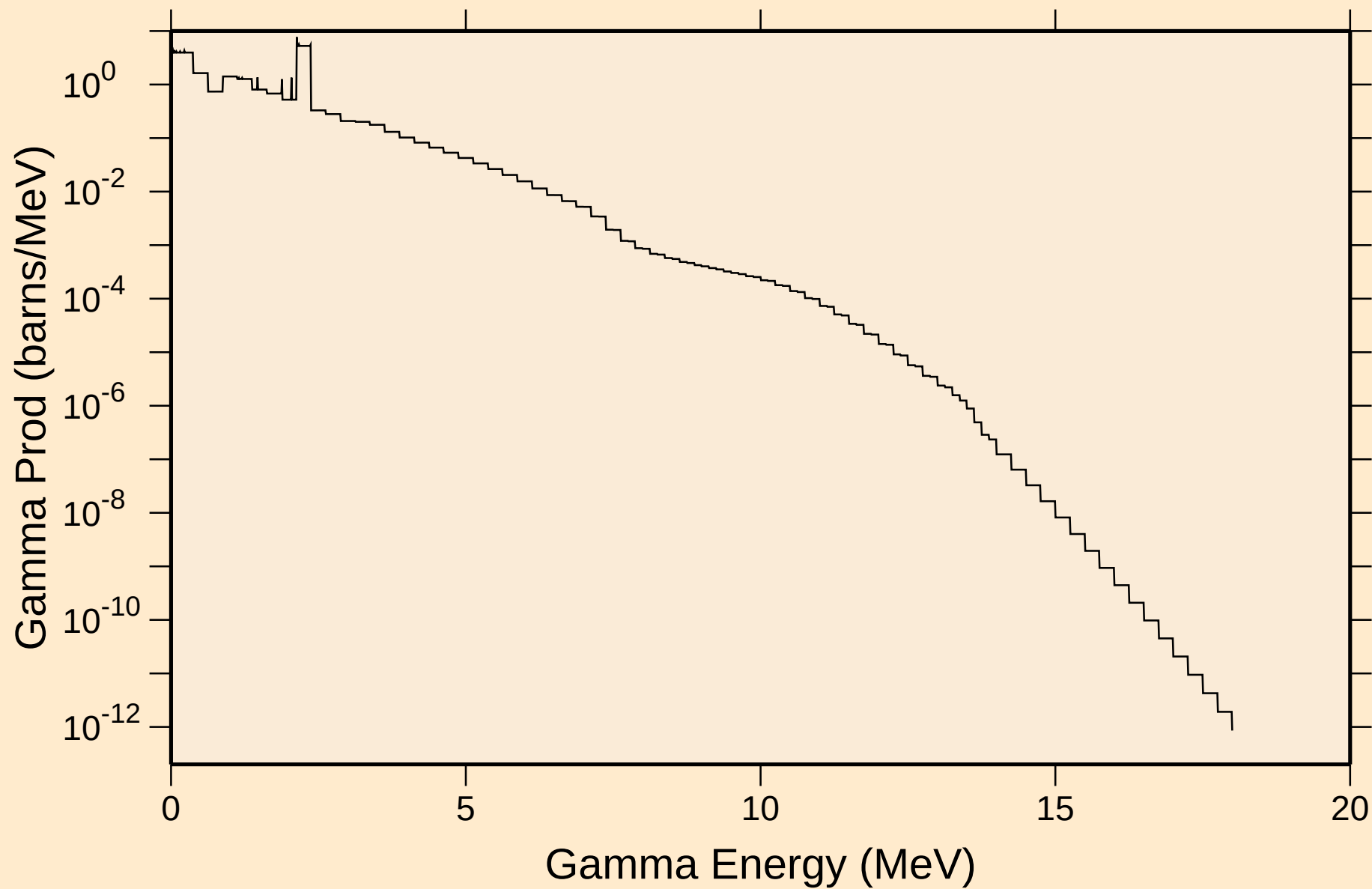
Photon emission for (n,a)



JEFF-3.1 ZR-91
thermal capture photon spectrum

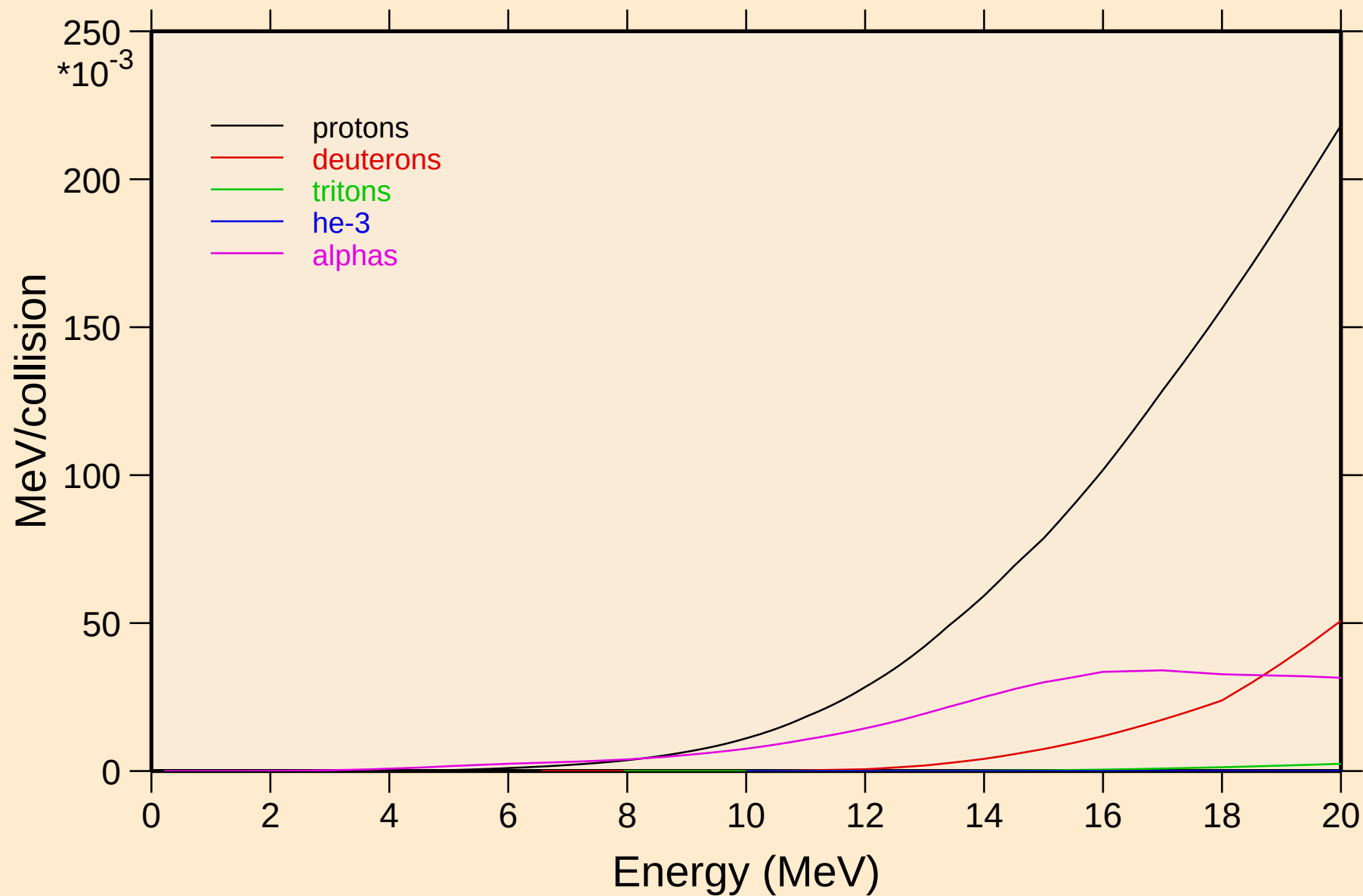


JEFF-3.1 ZR-91
14 MeV photon spectrum



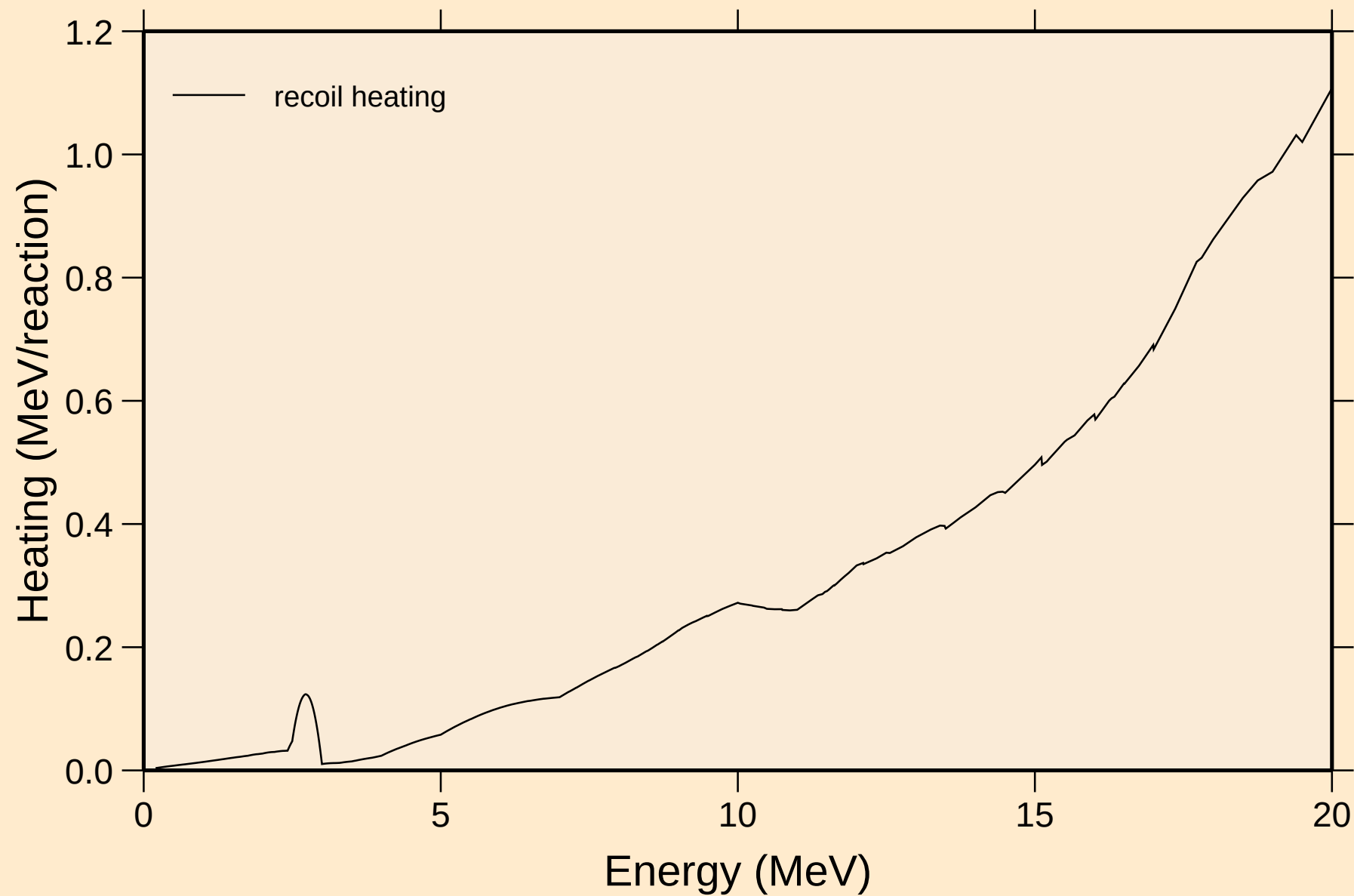
JEFF-3.1 ZR-91

Particle heating contributions



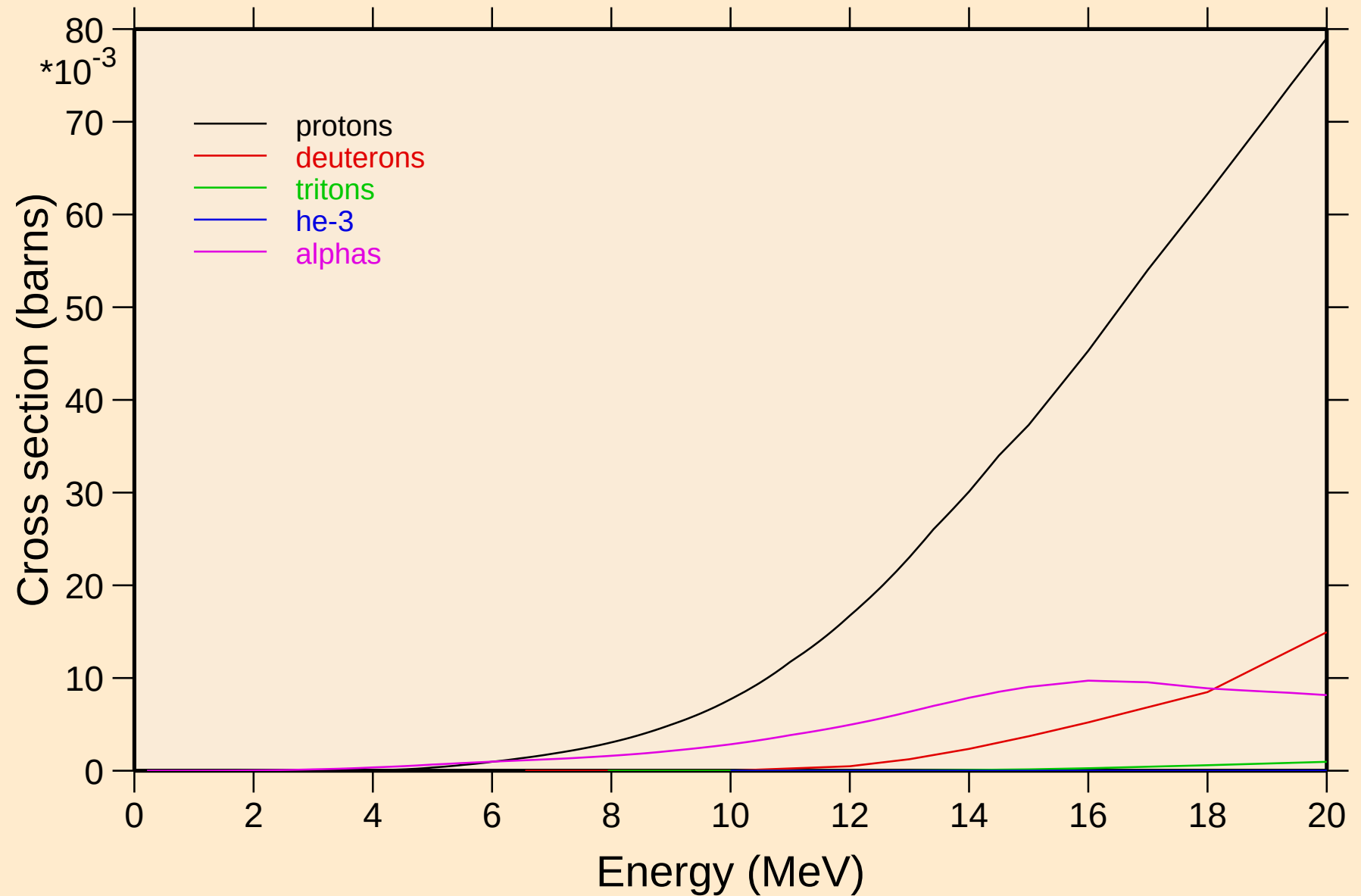
JEFF-3.1 ZR-91

Recoil Heating

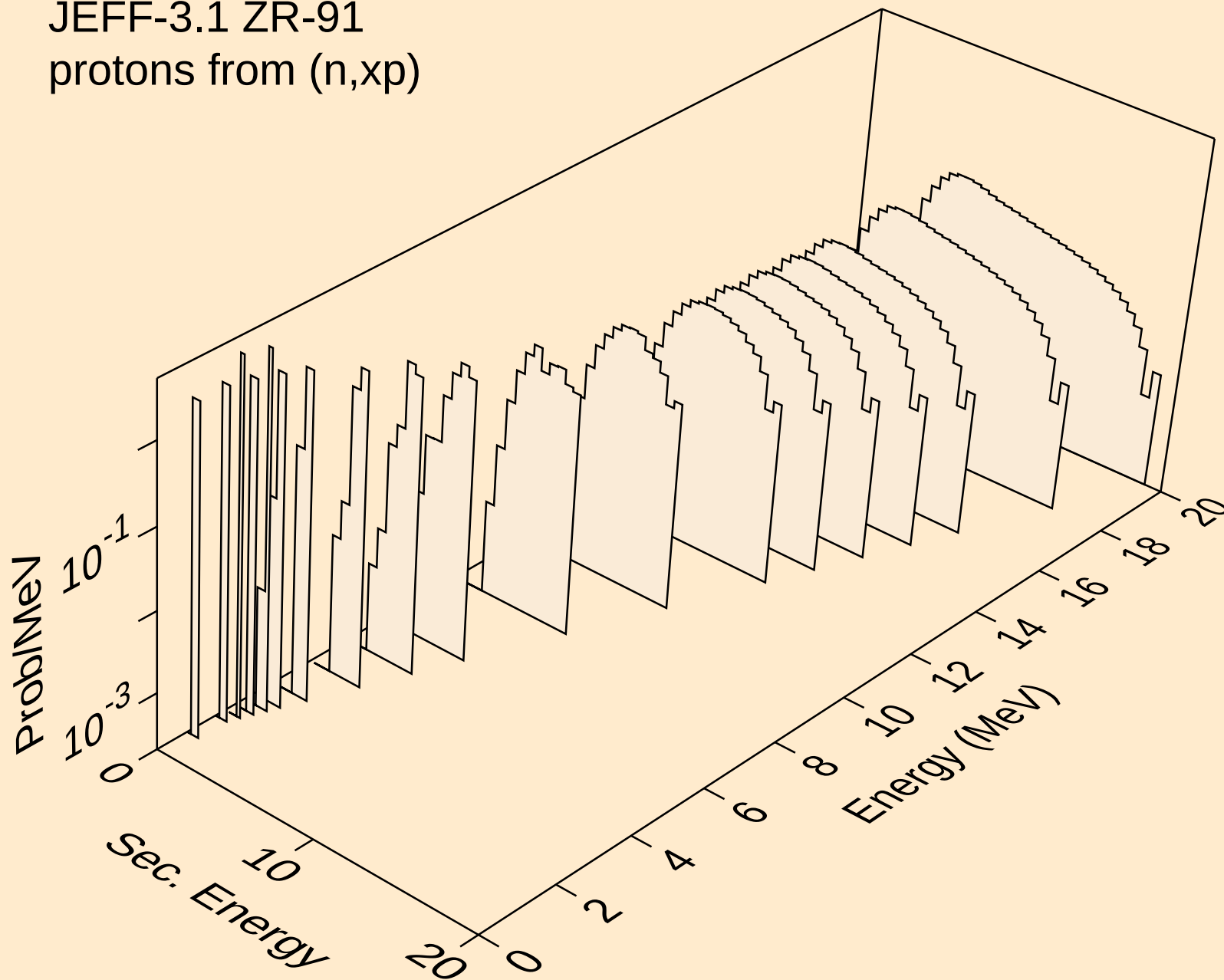


JEFF-3.1 ZR-91

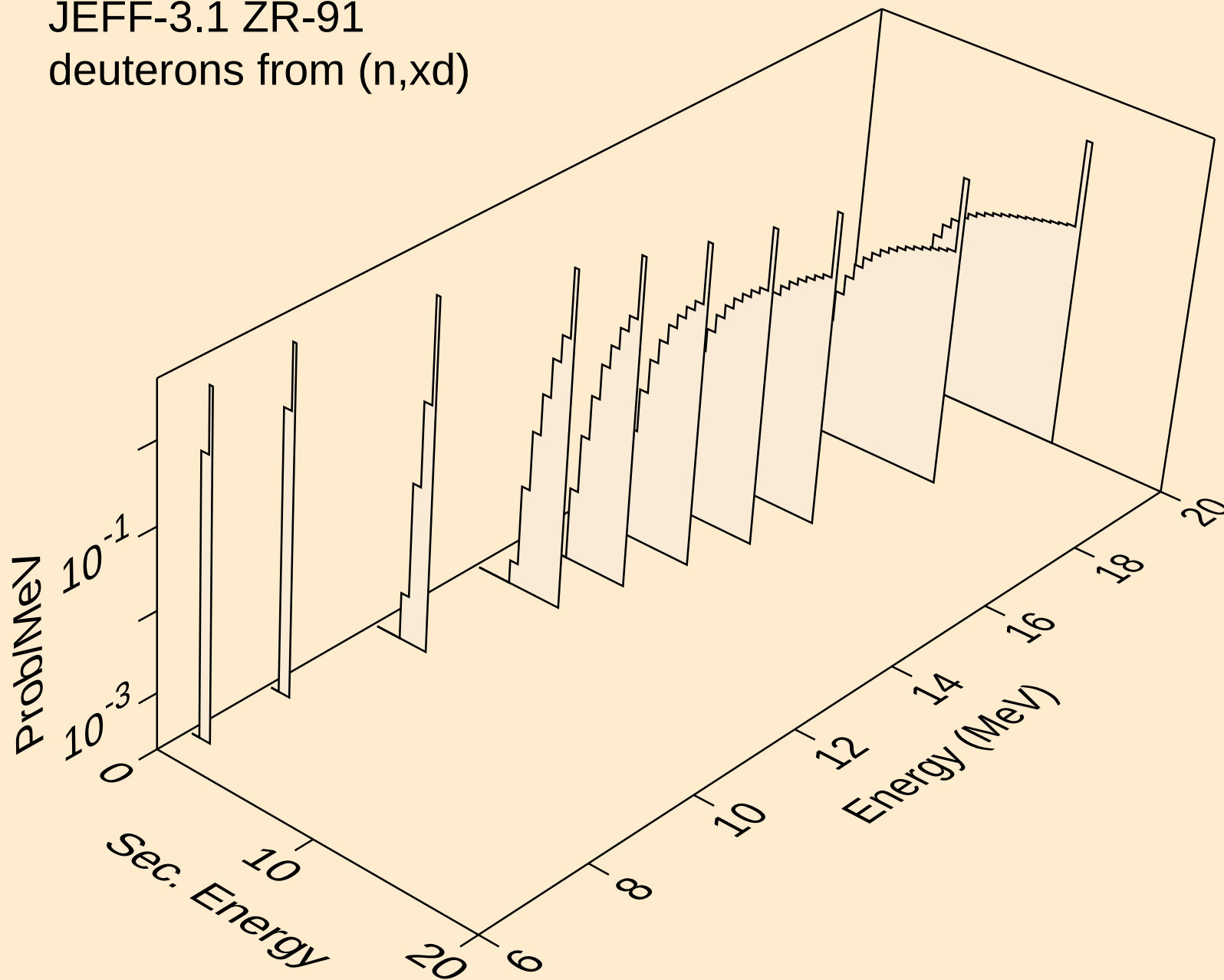
Particle production cross sections



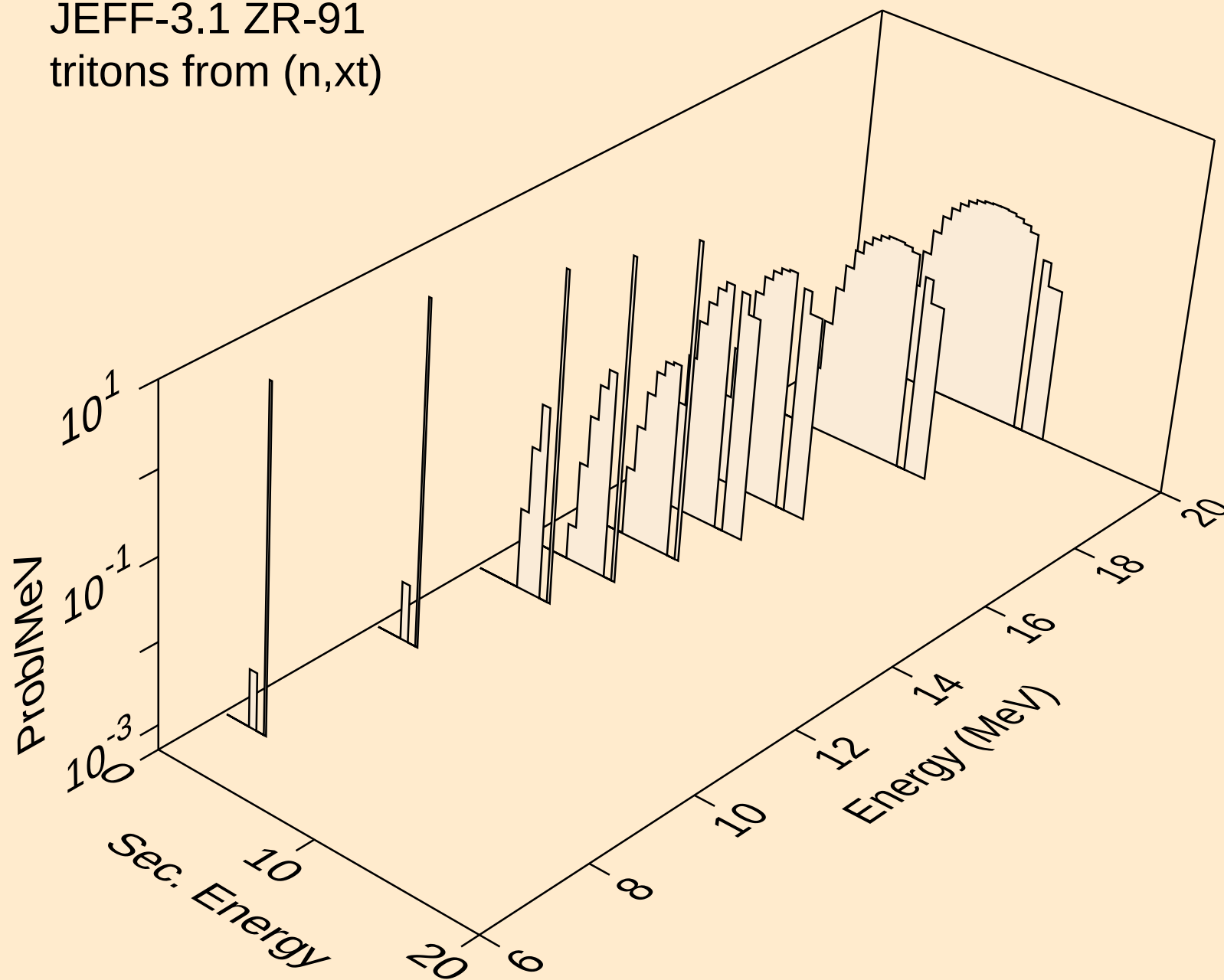
JEFF-3.1 ZR-91
protons from (n,xp)



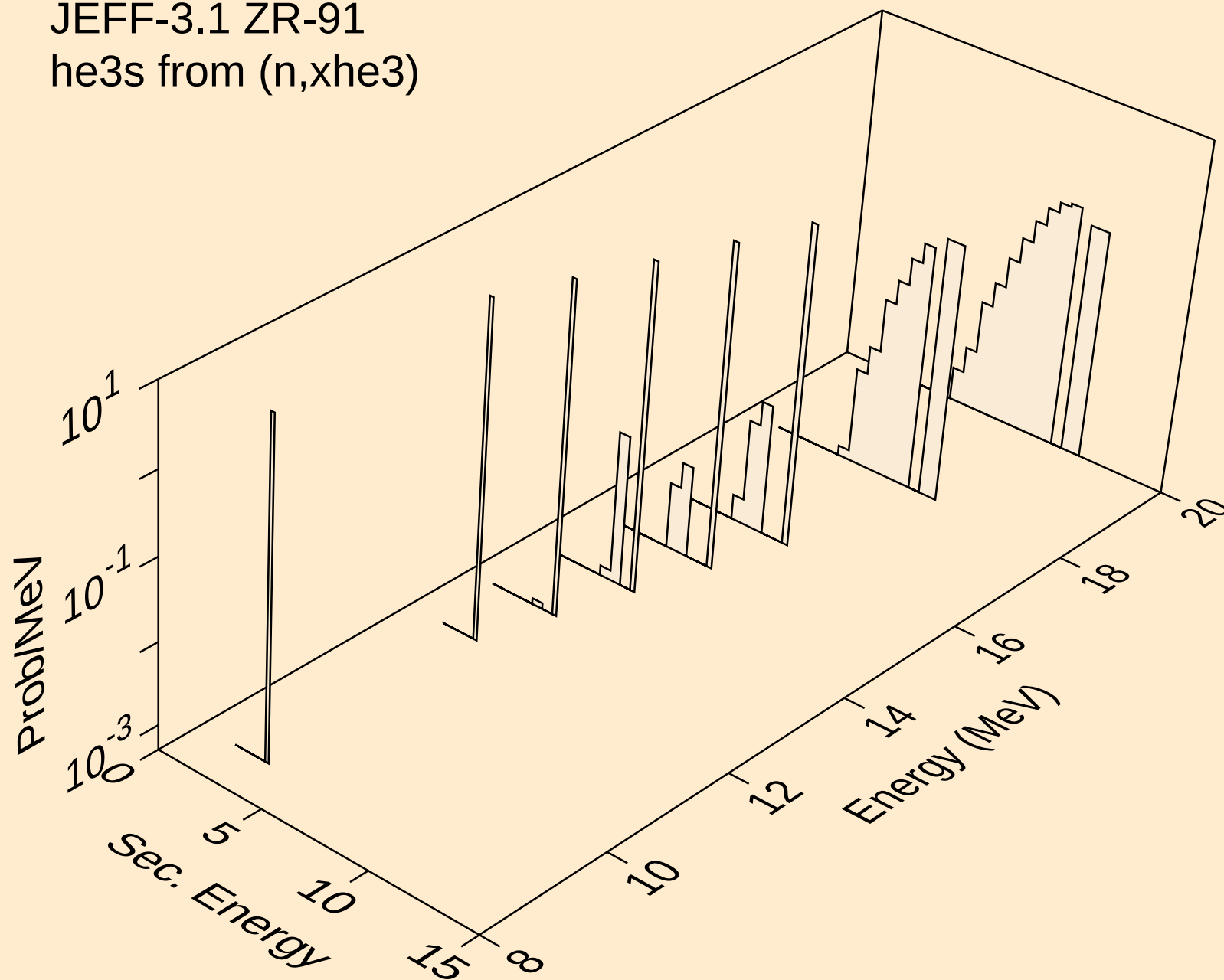
JEFF-3.1 ZR-91
deuterons from (n,xd)



JEFF-3.1 ZR-91
tritons from (n,xt)



JEFF-3.1 ZR-91
he3s from (n,xhe3)



JEFF-3.1 ZR-91
alphas from (n,xa)

