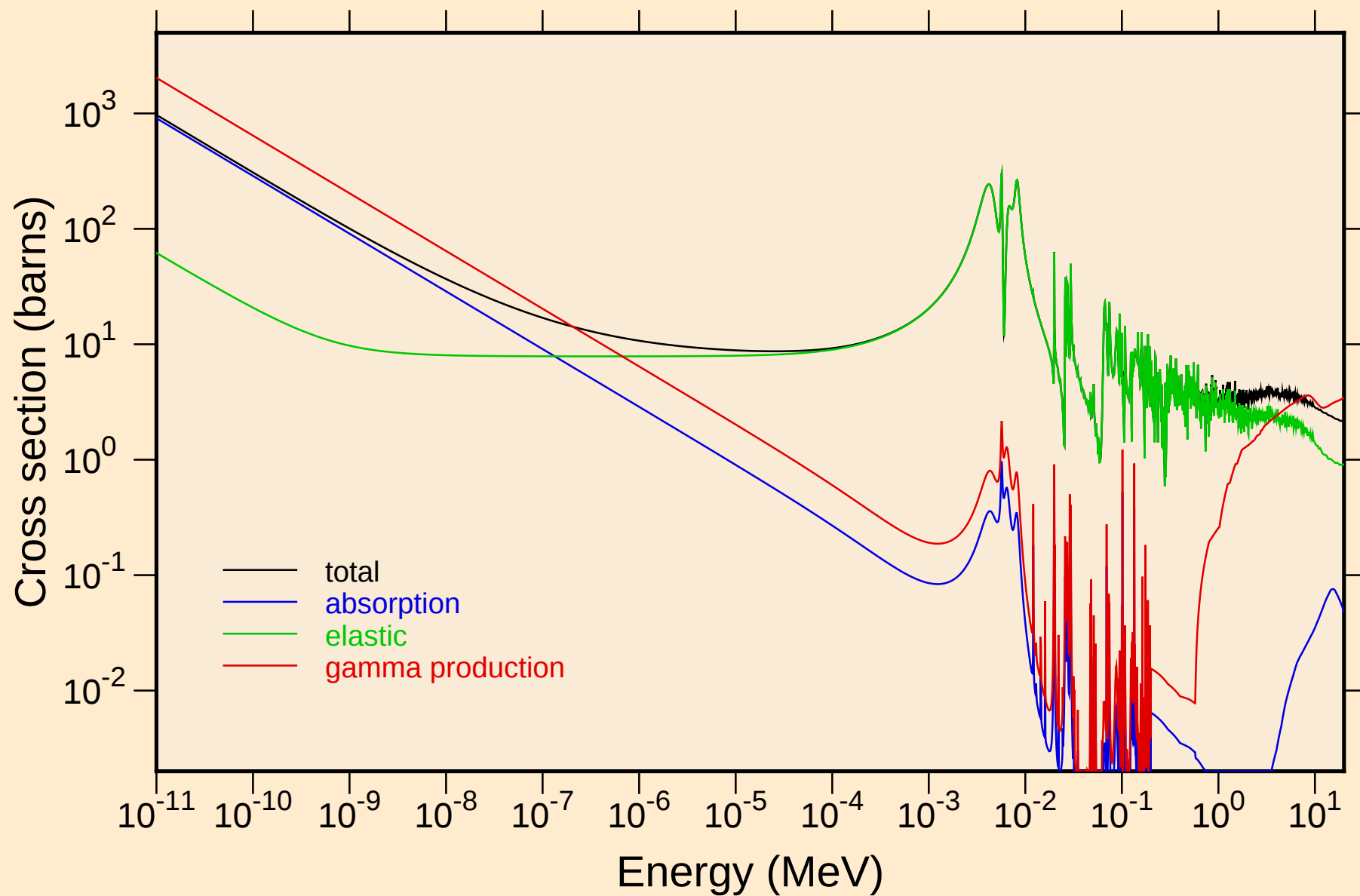
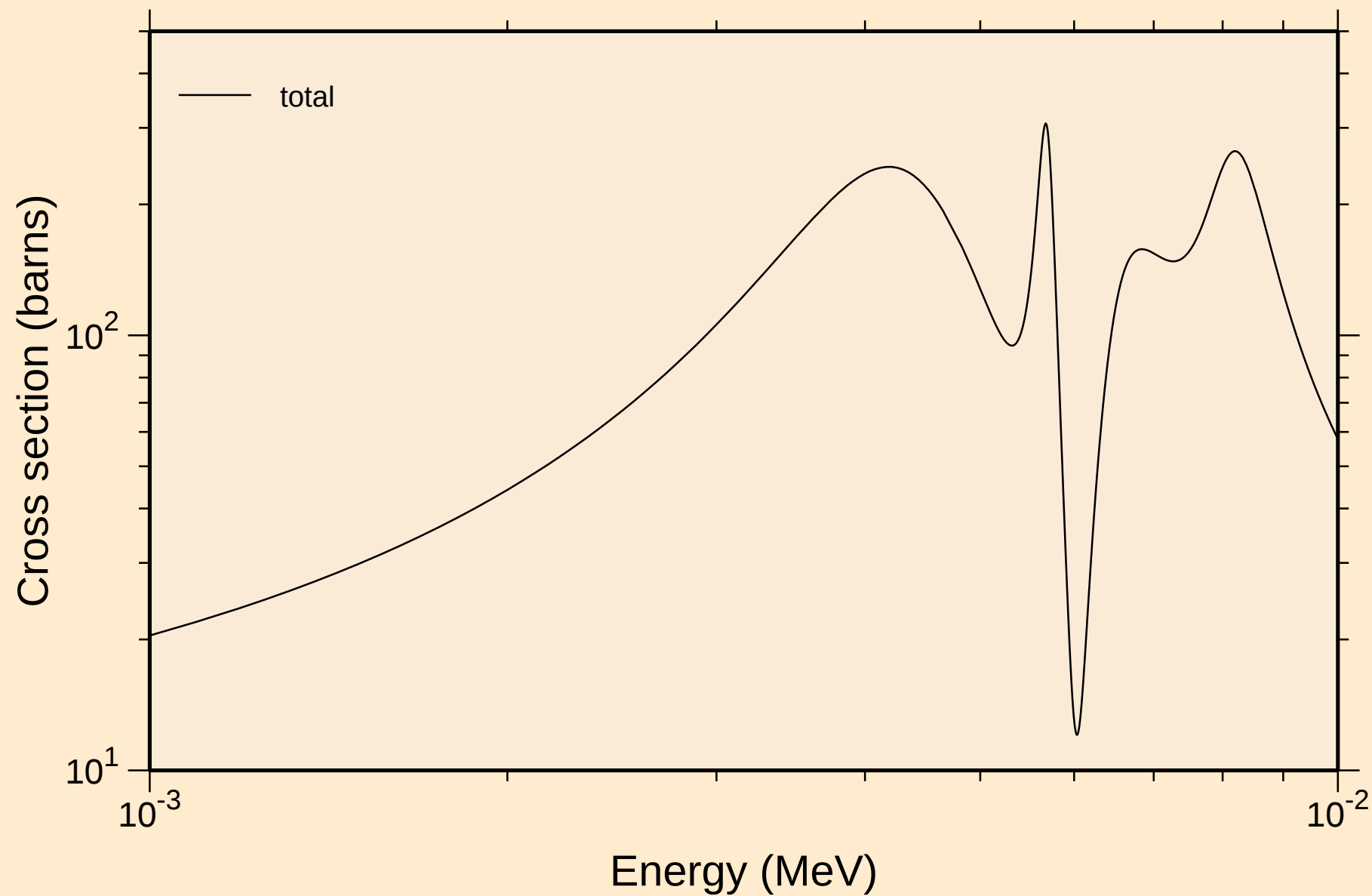


JEFF-3.1 CR-53

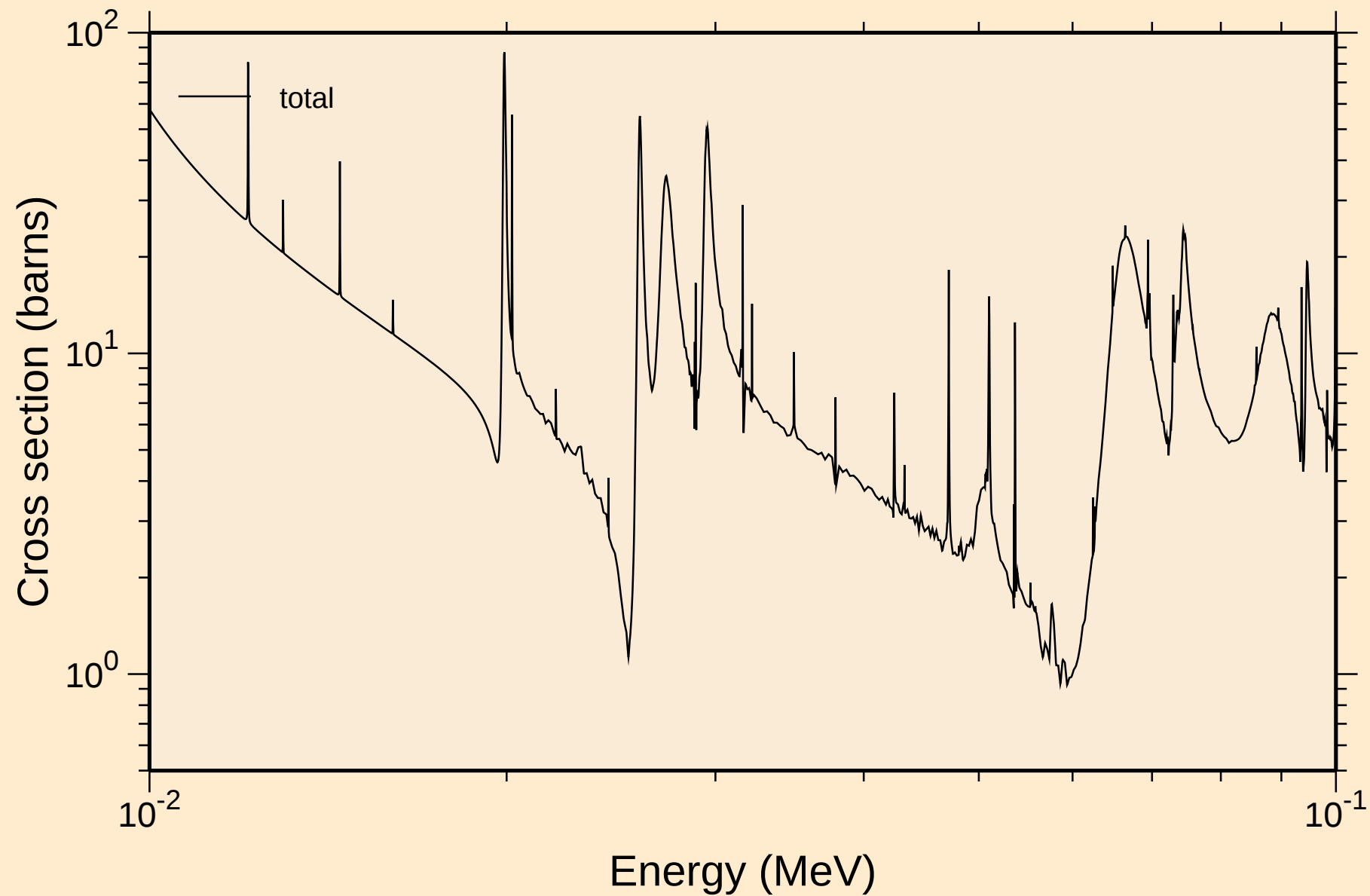
Principal cross sections



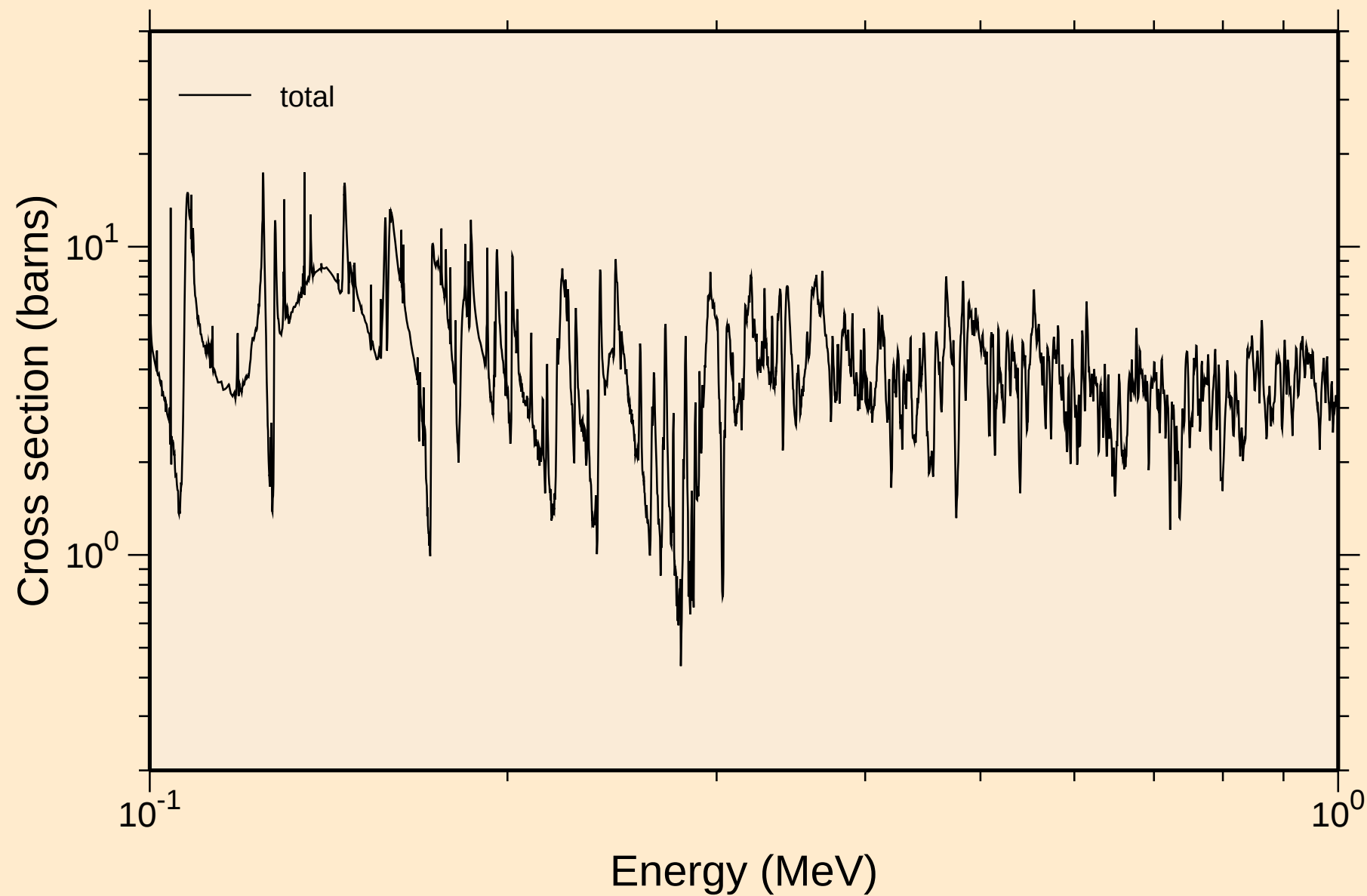
JEFF-3.1 CR-53 resonance total cross section



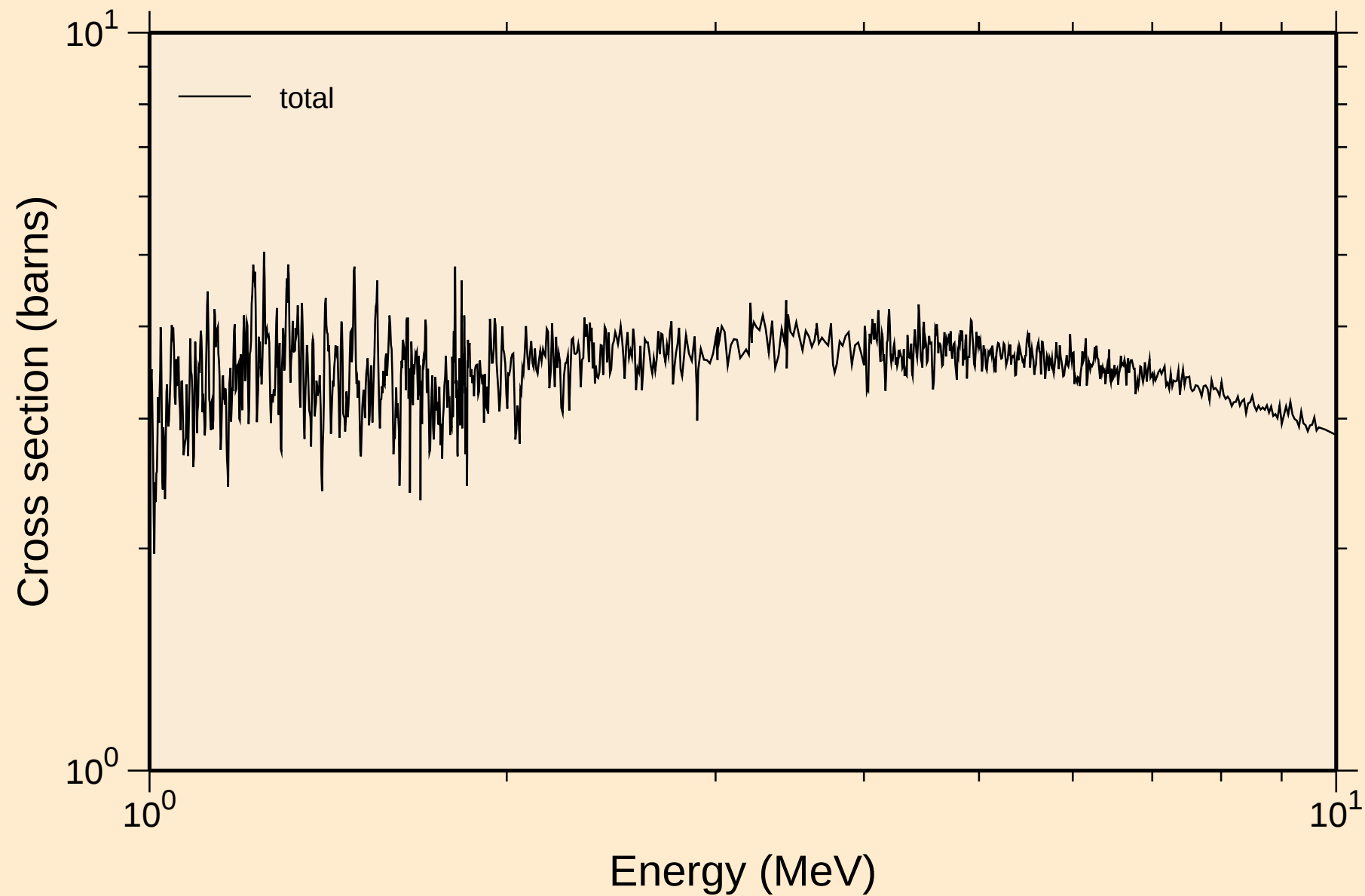
JEFF-3.1 CR-53 resonance total cross section



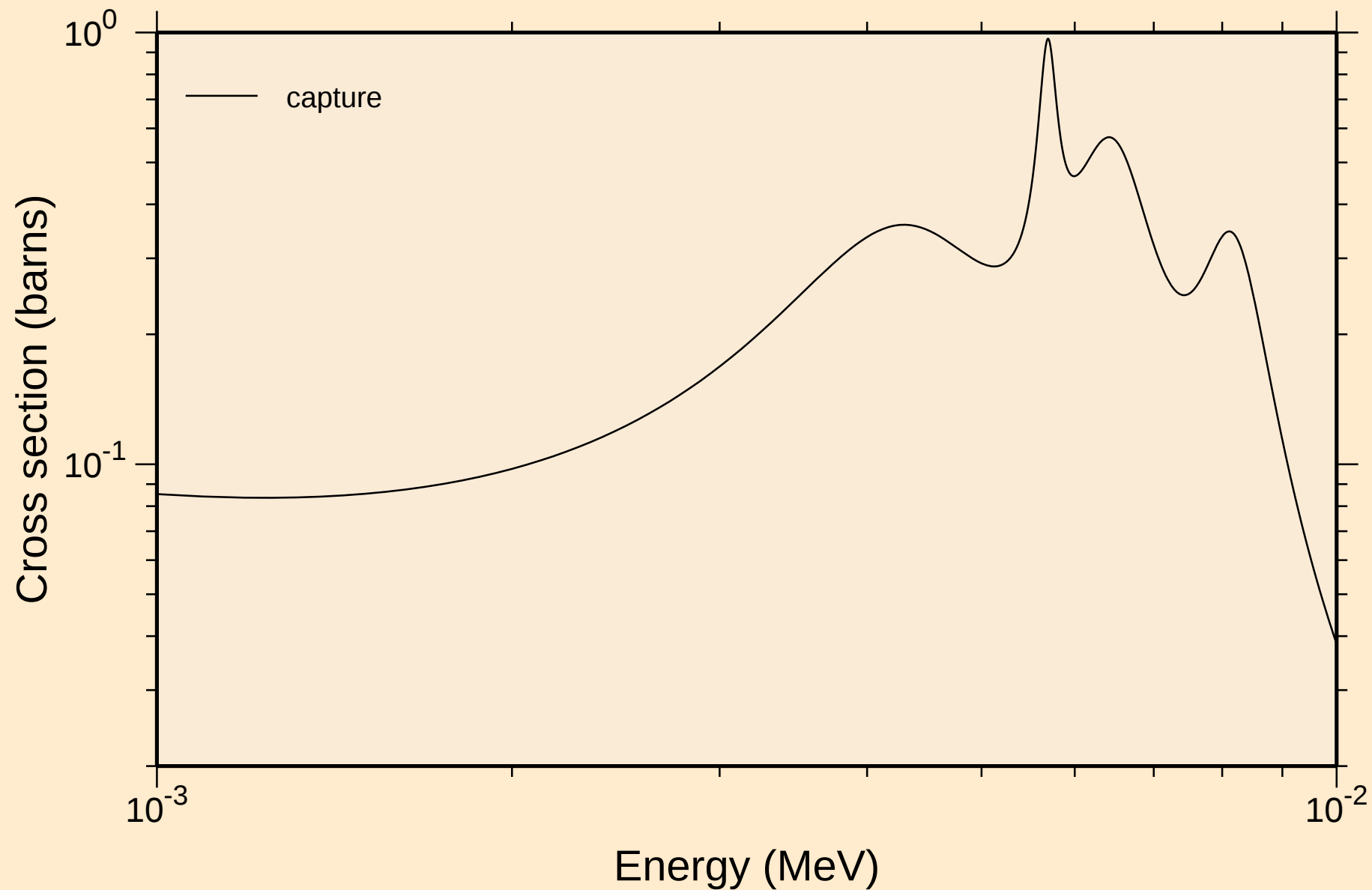
JEFF-3.1 CR-53 resonance total cross section



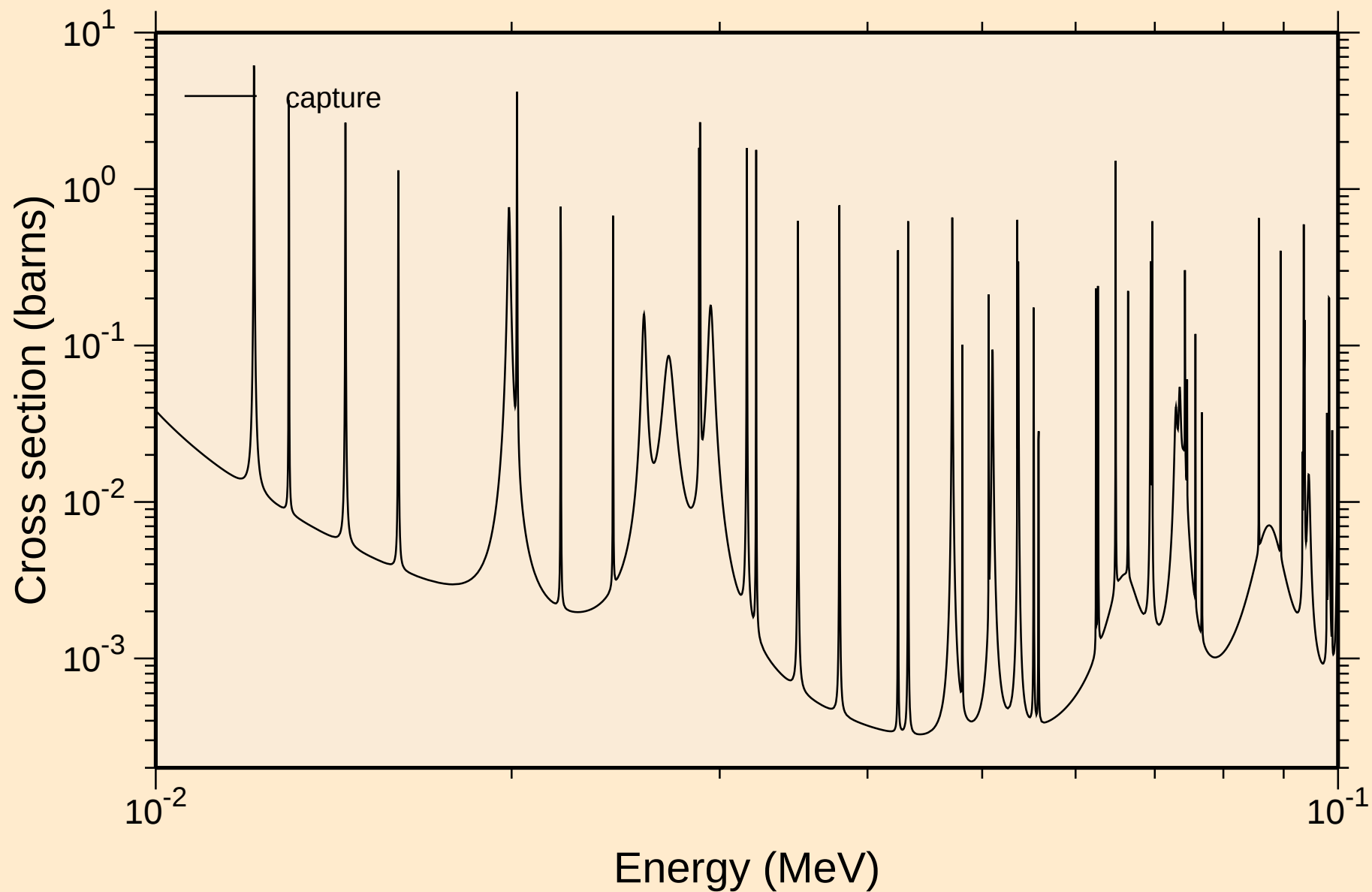
JEFF-3.1 CR-53 resonance total cross section



JEFF-3.1 CR-53 resonance absorption cross sections

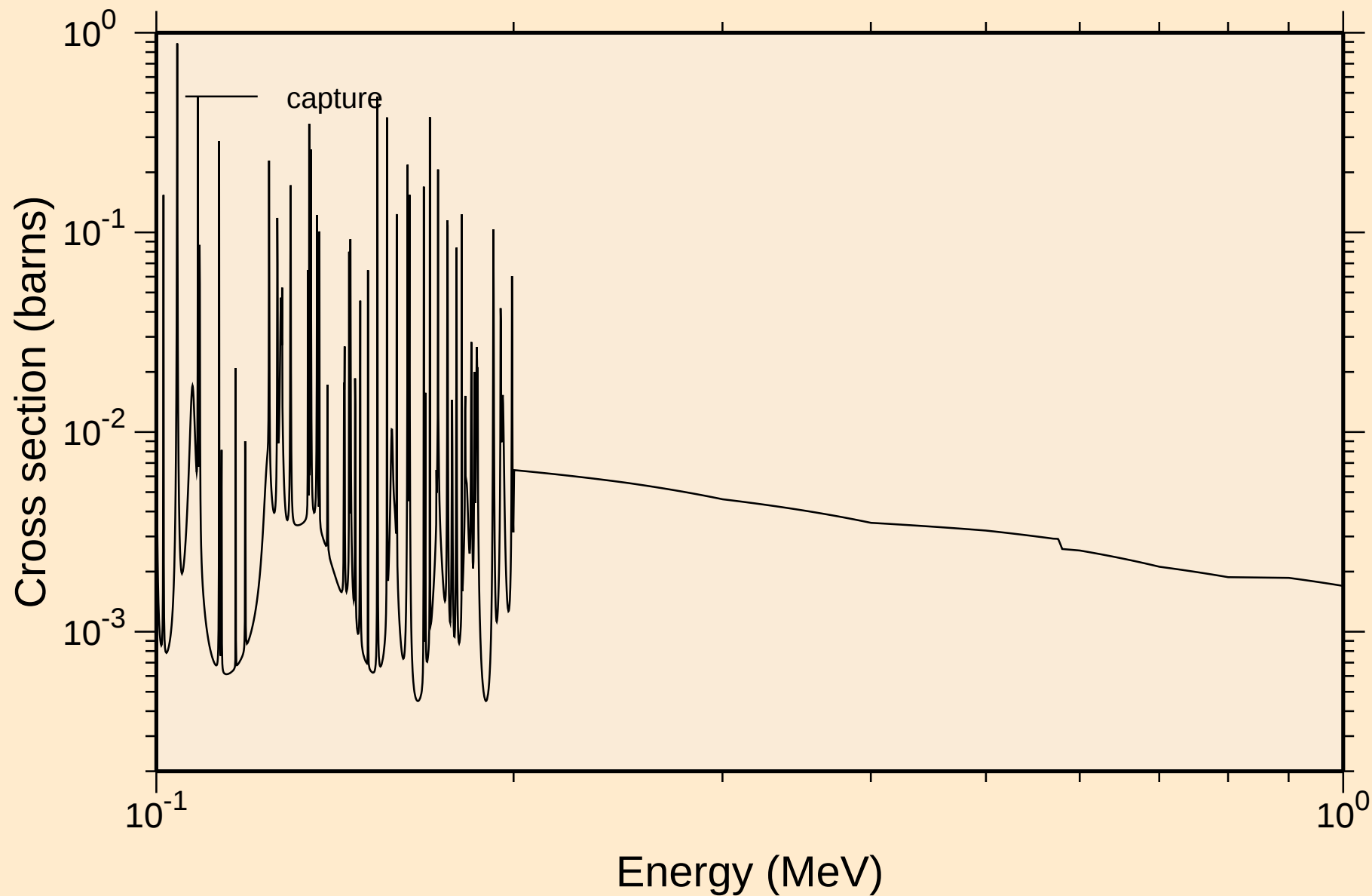


JEFF-3.1 CR-53 resonance absorption cross sections

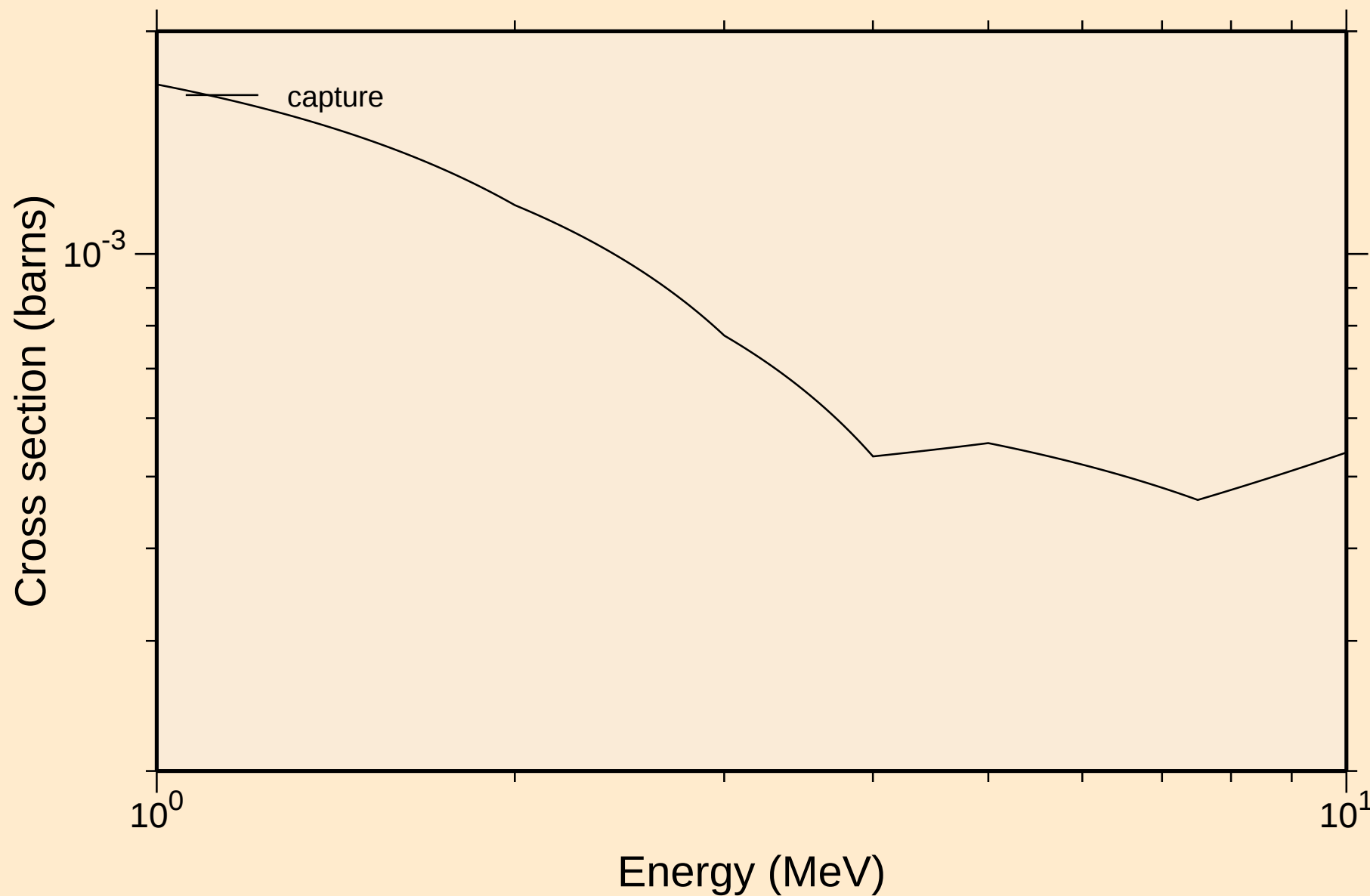


JEFF-3.1 CR-53

resonance absorption cross sections

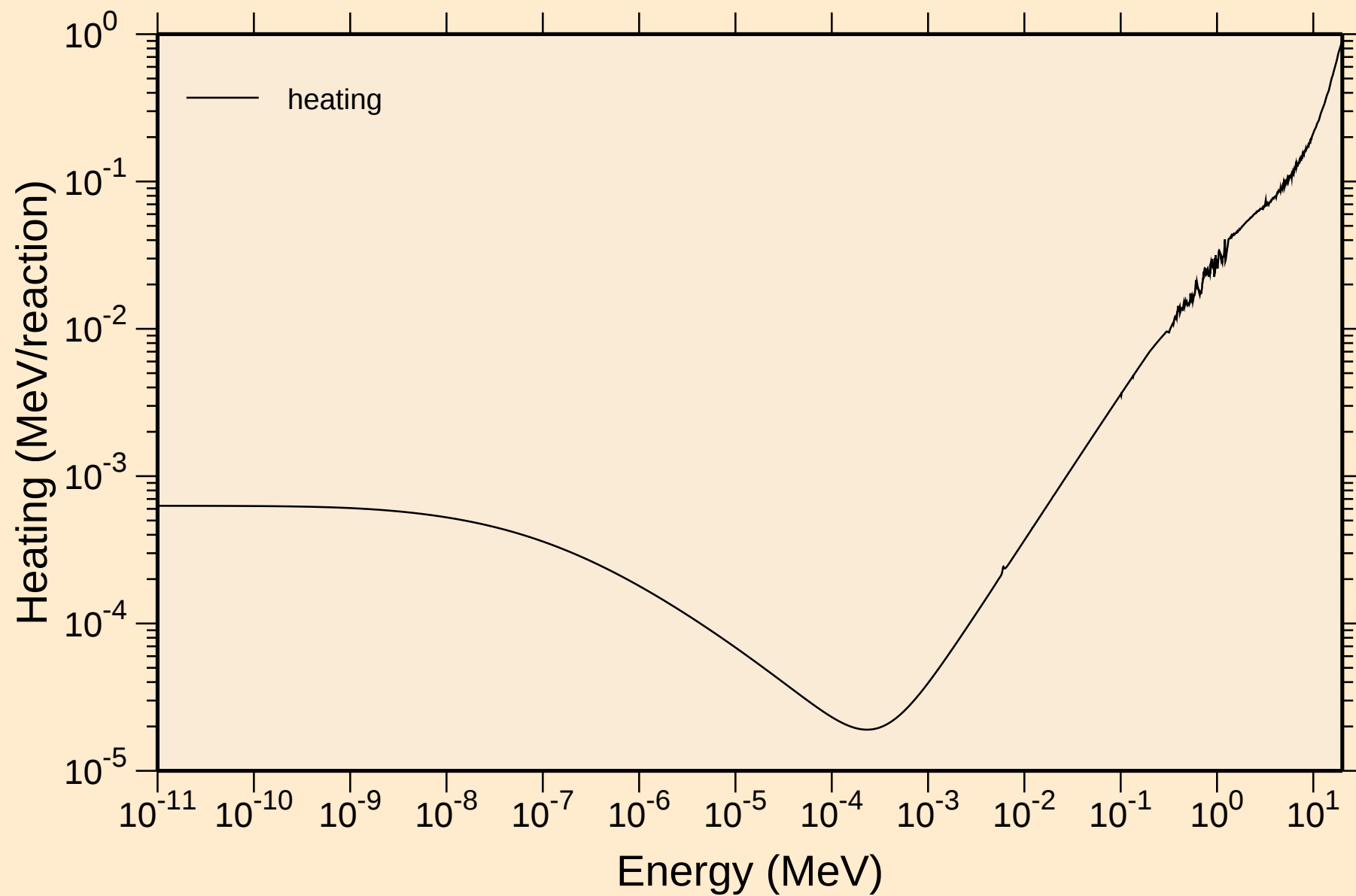


JEFF-3.1 CR-53 resonance absorption cross sections

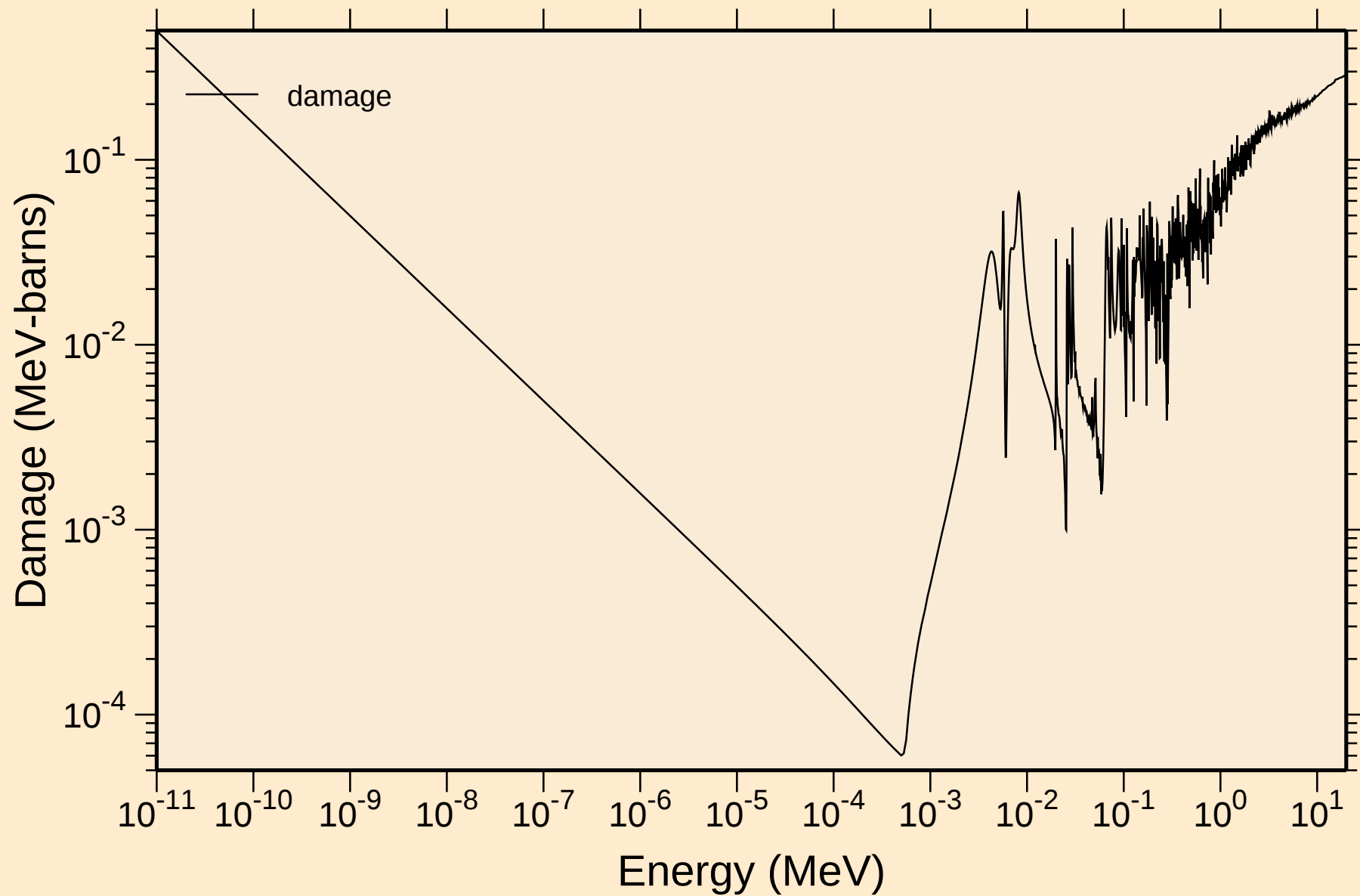


JEFF-3.1 CR-53

Heating

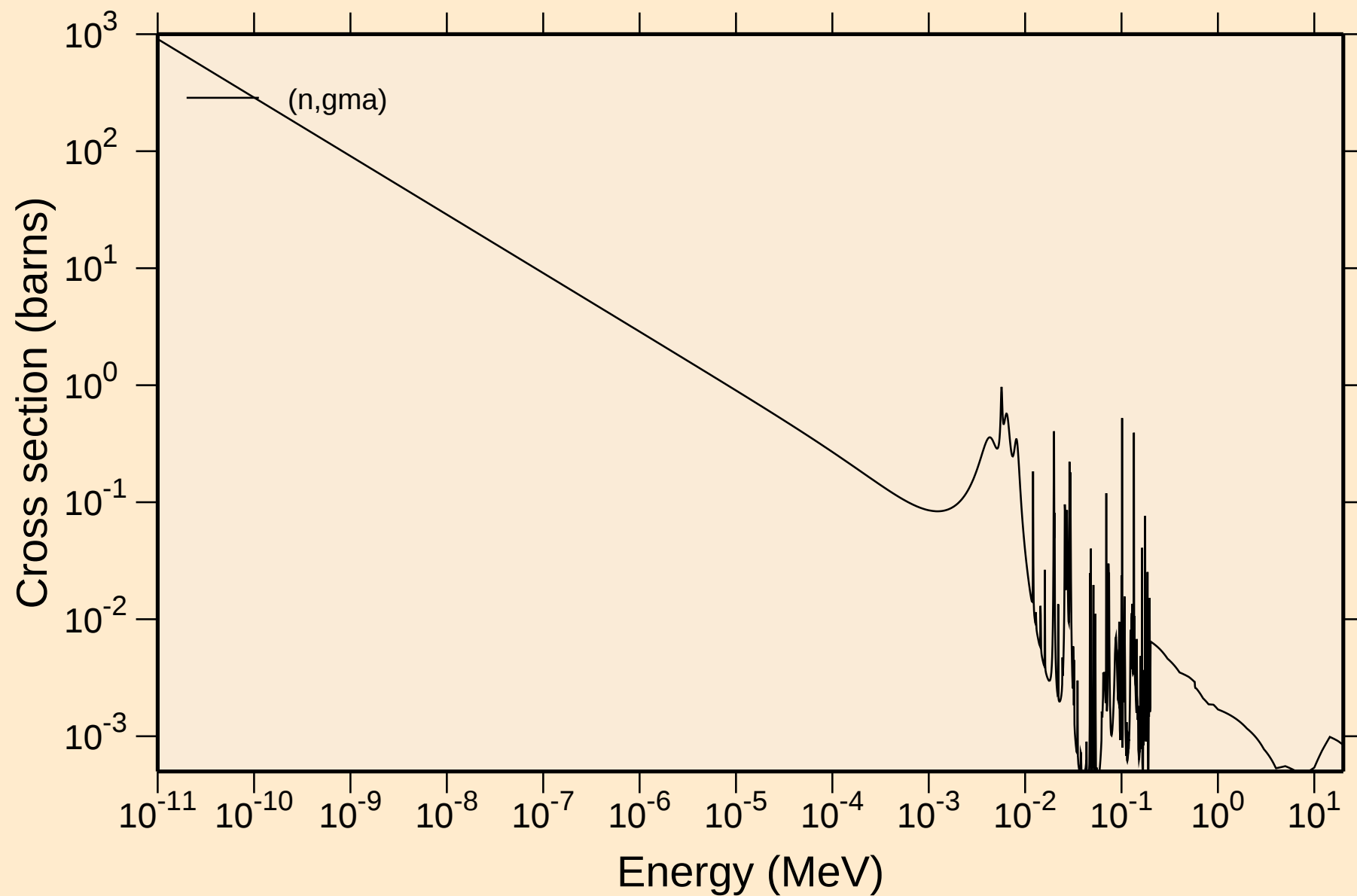


JEFF-3.1 CR-53 Damage



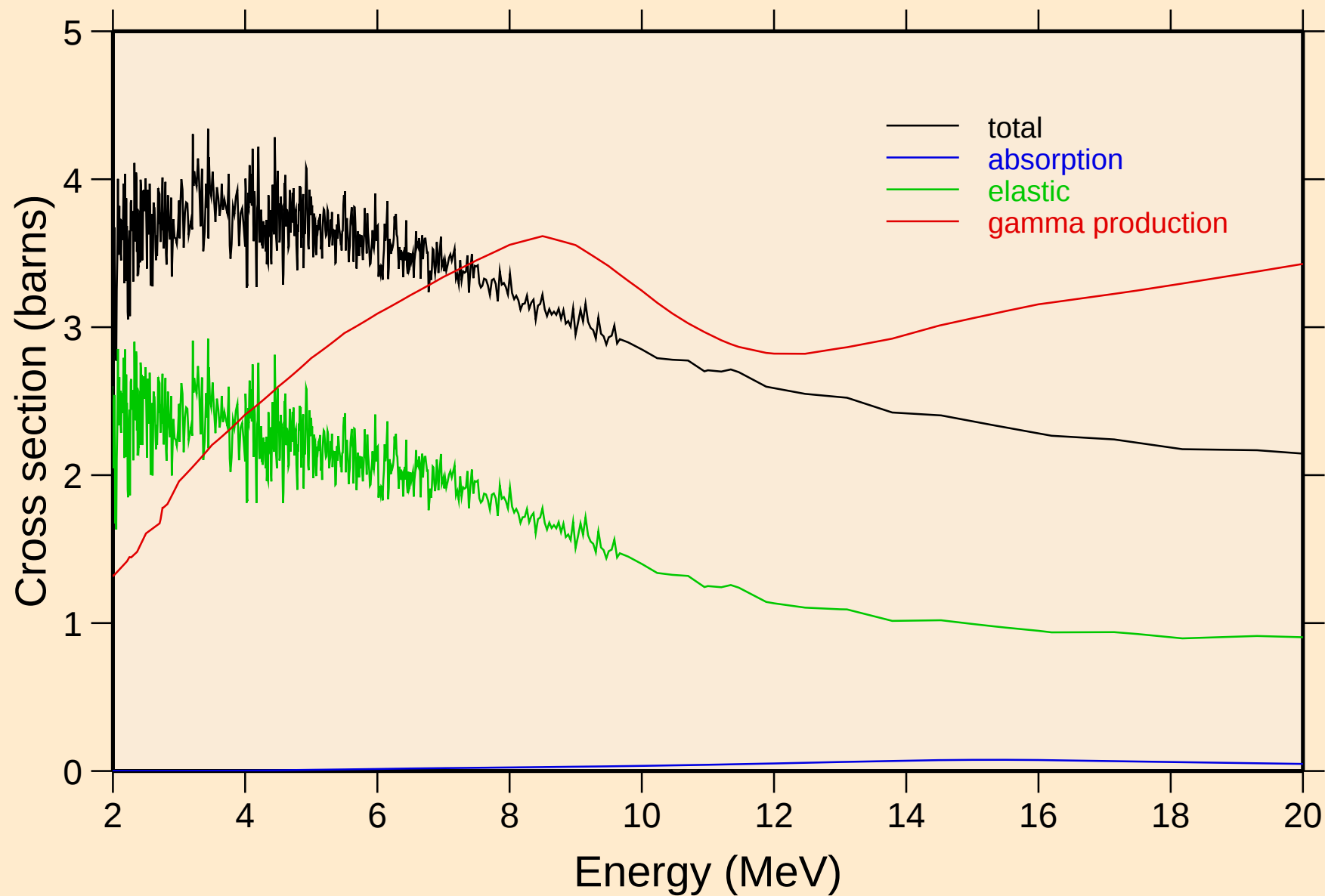
JEFF-3.1 CR-53

Non-threshold reactions



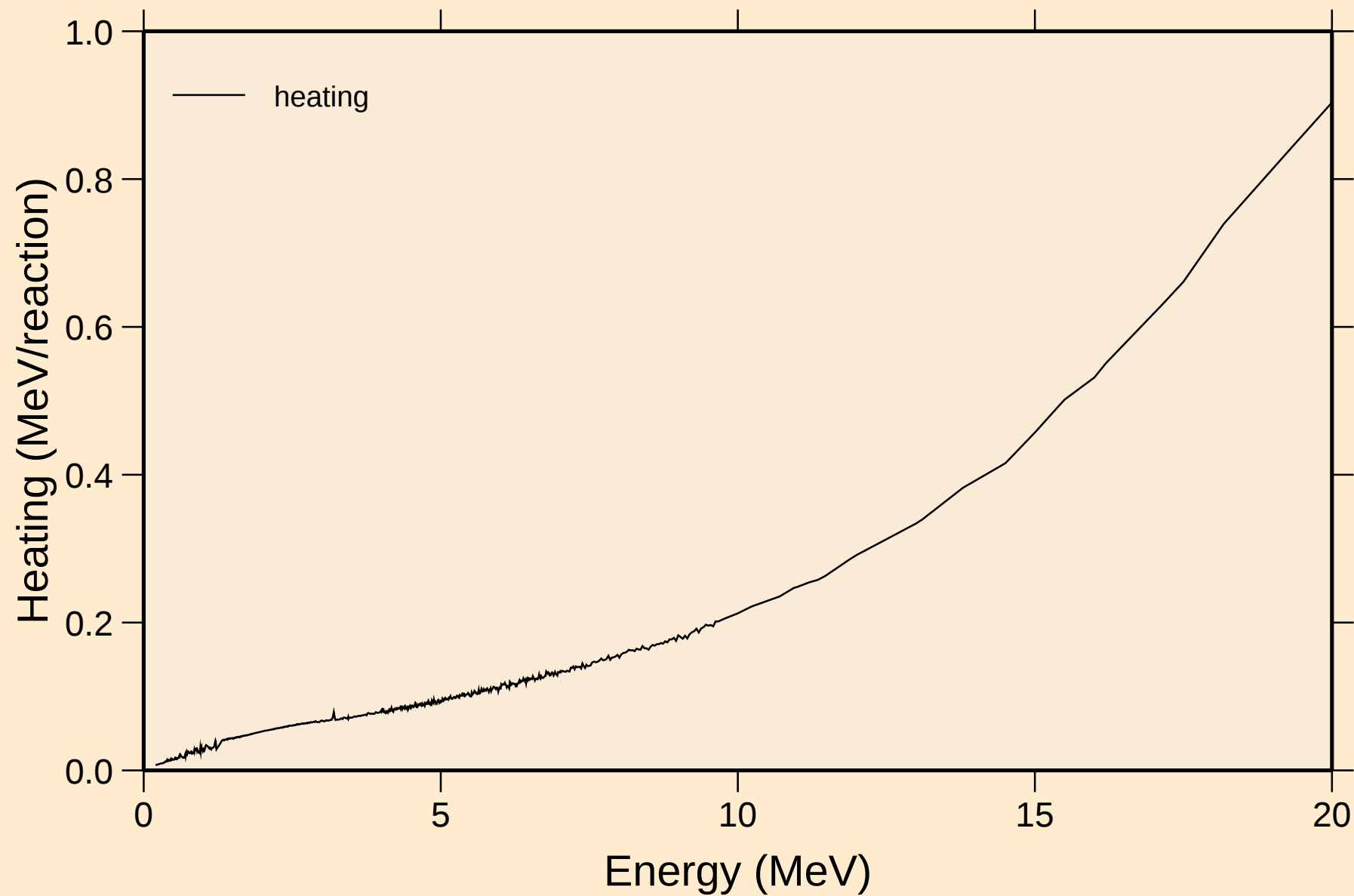
JEFF-3.1 CR-53

Principal cross sections



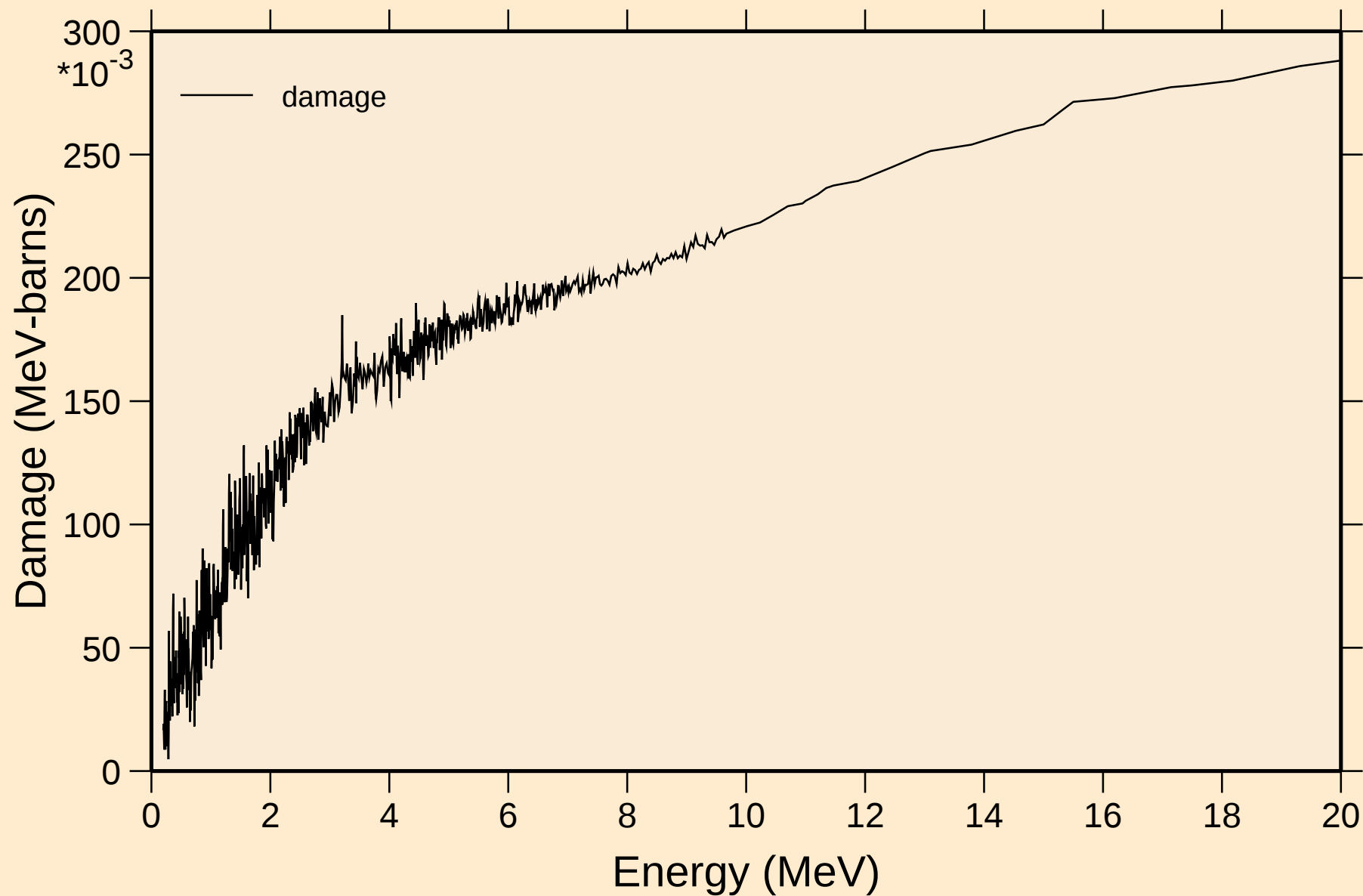
JEFF-3.1 CR-53

Heating



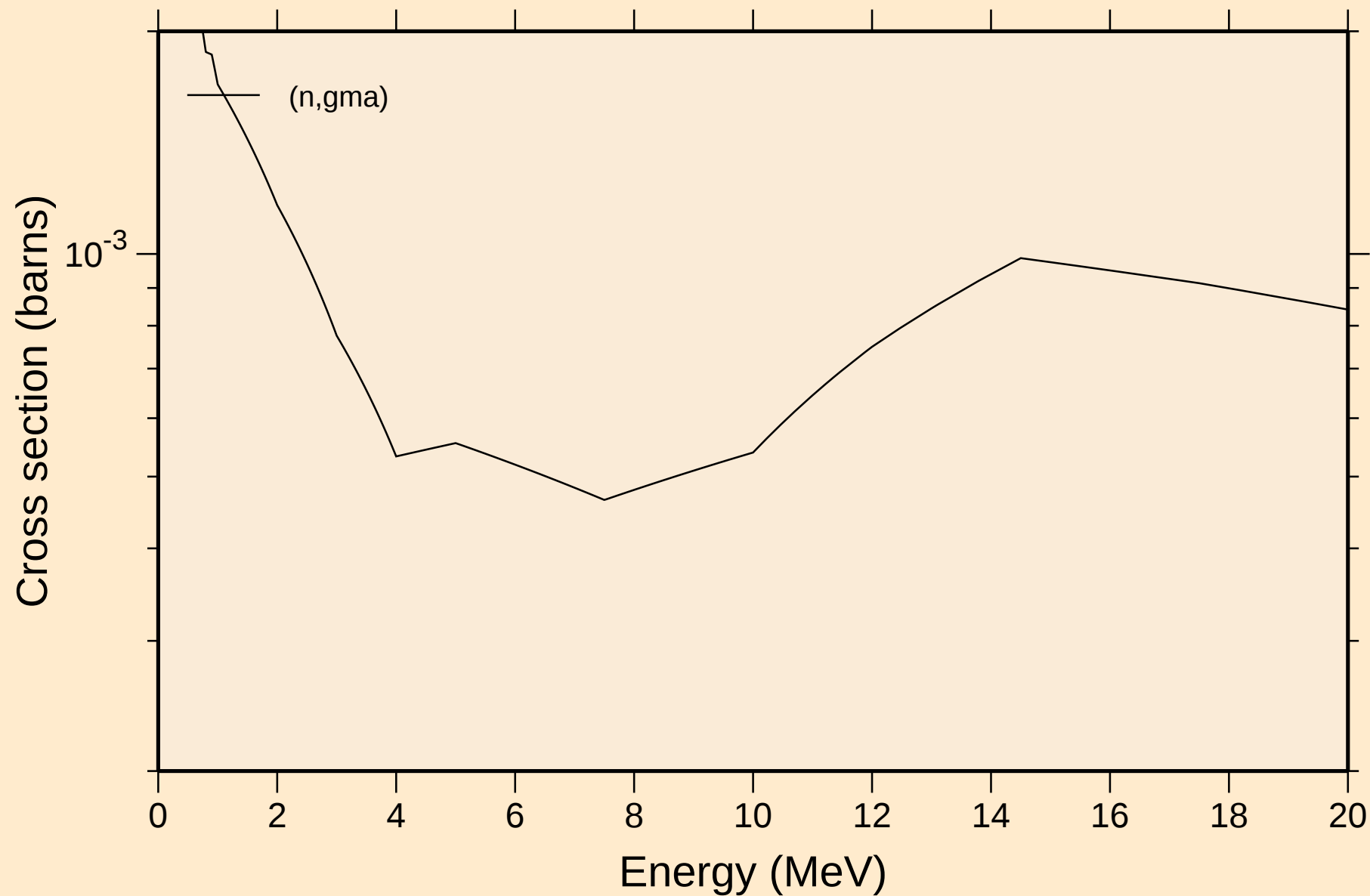
JEFF-3.1 CR-53

Damage



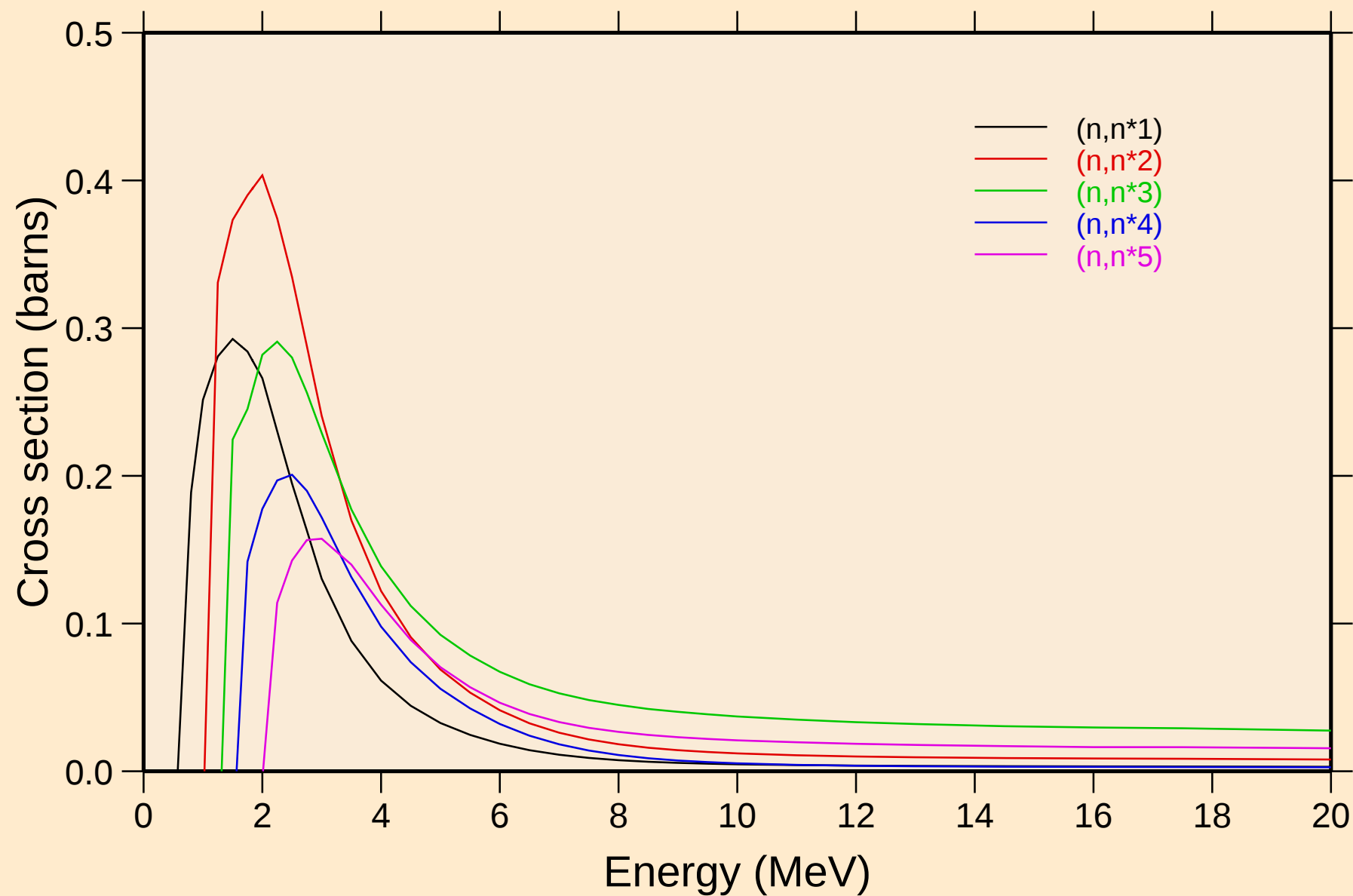
JEFF-3.1 CR-53

Non-threshold reactions



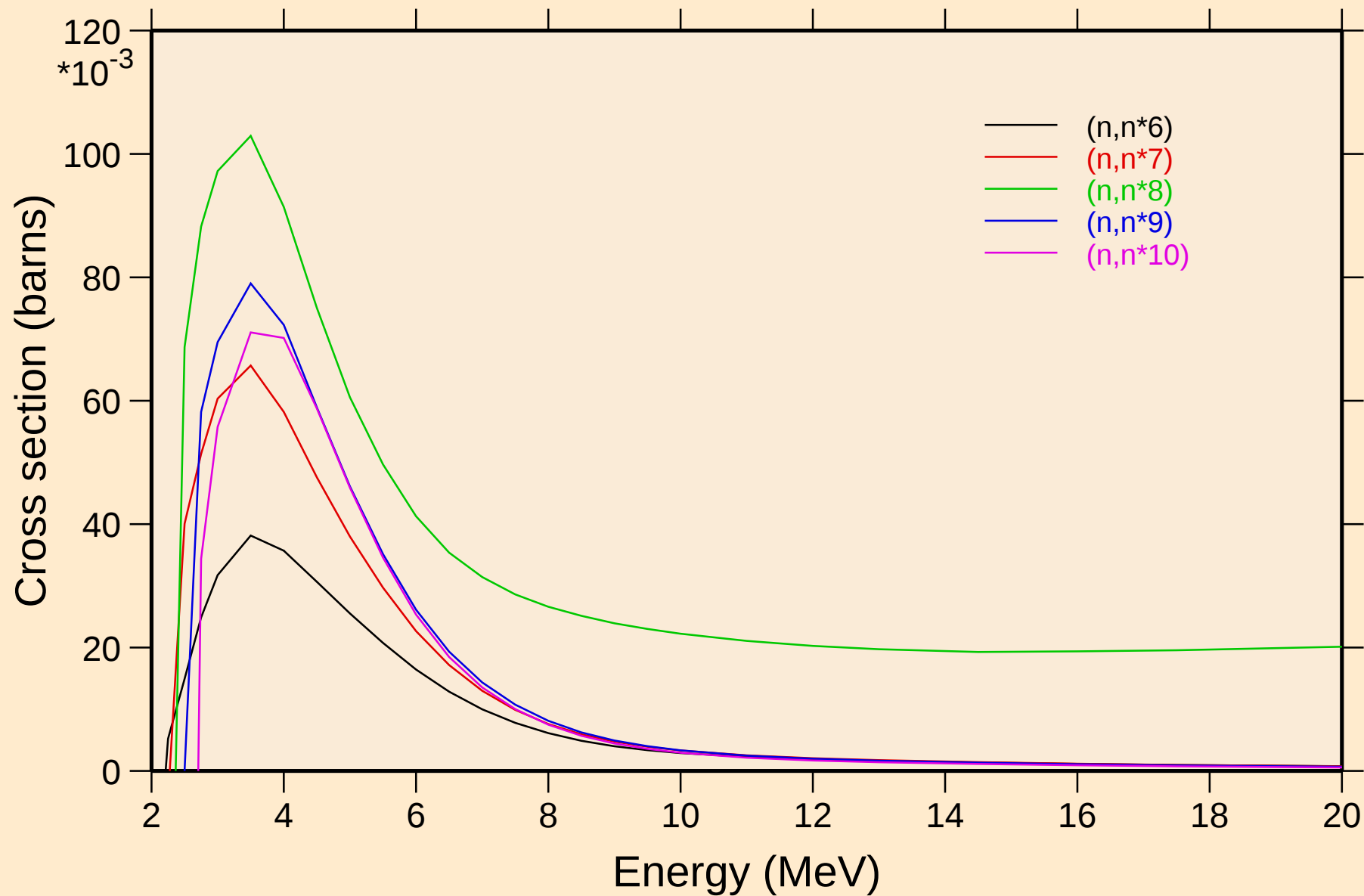
JEFF-3.1 CR-53

Inelastic levels



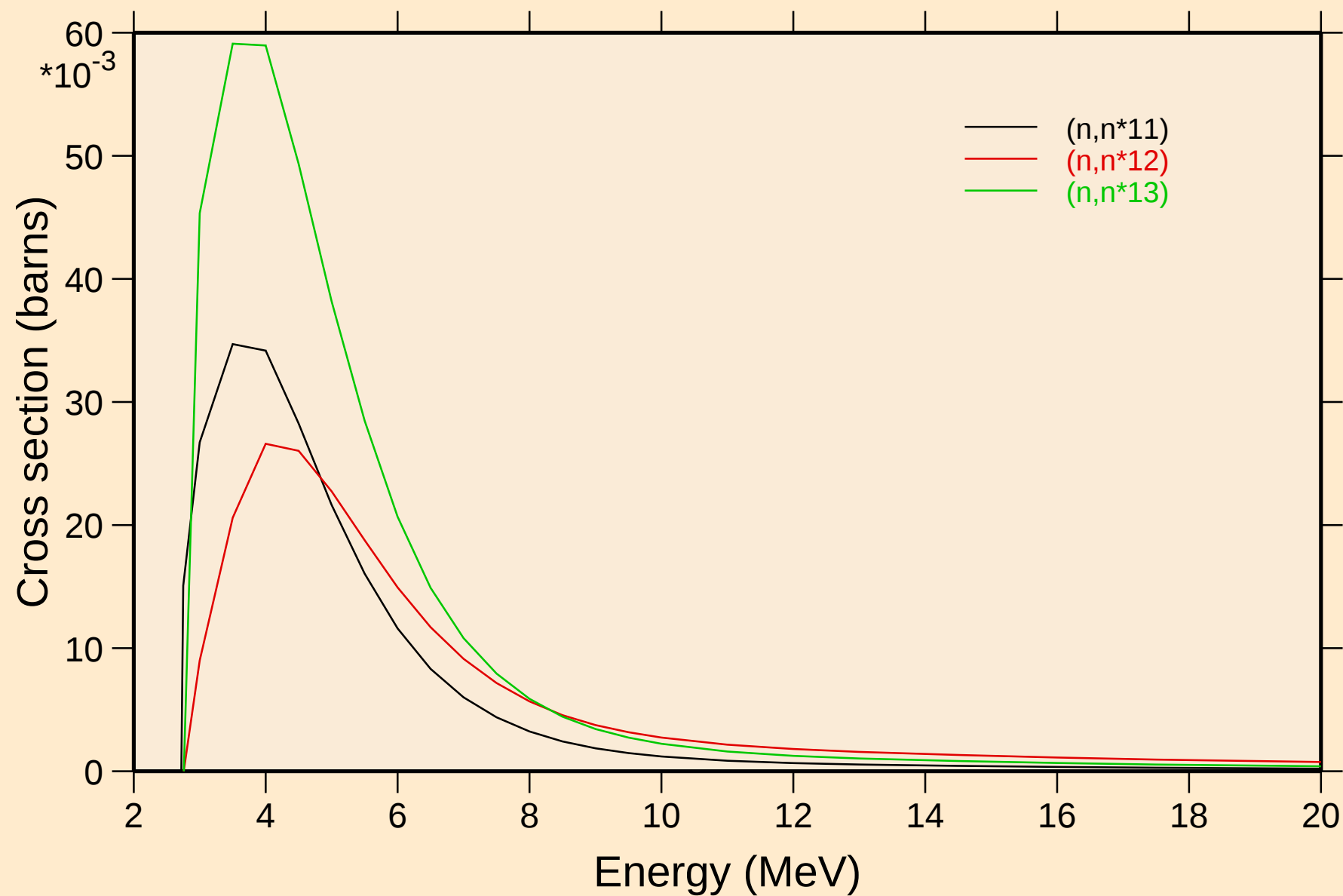
JEFF-3.1 CR-53

Inelastic levels



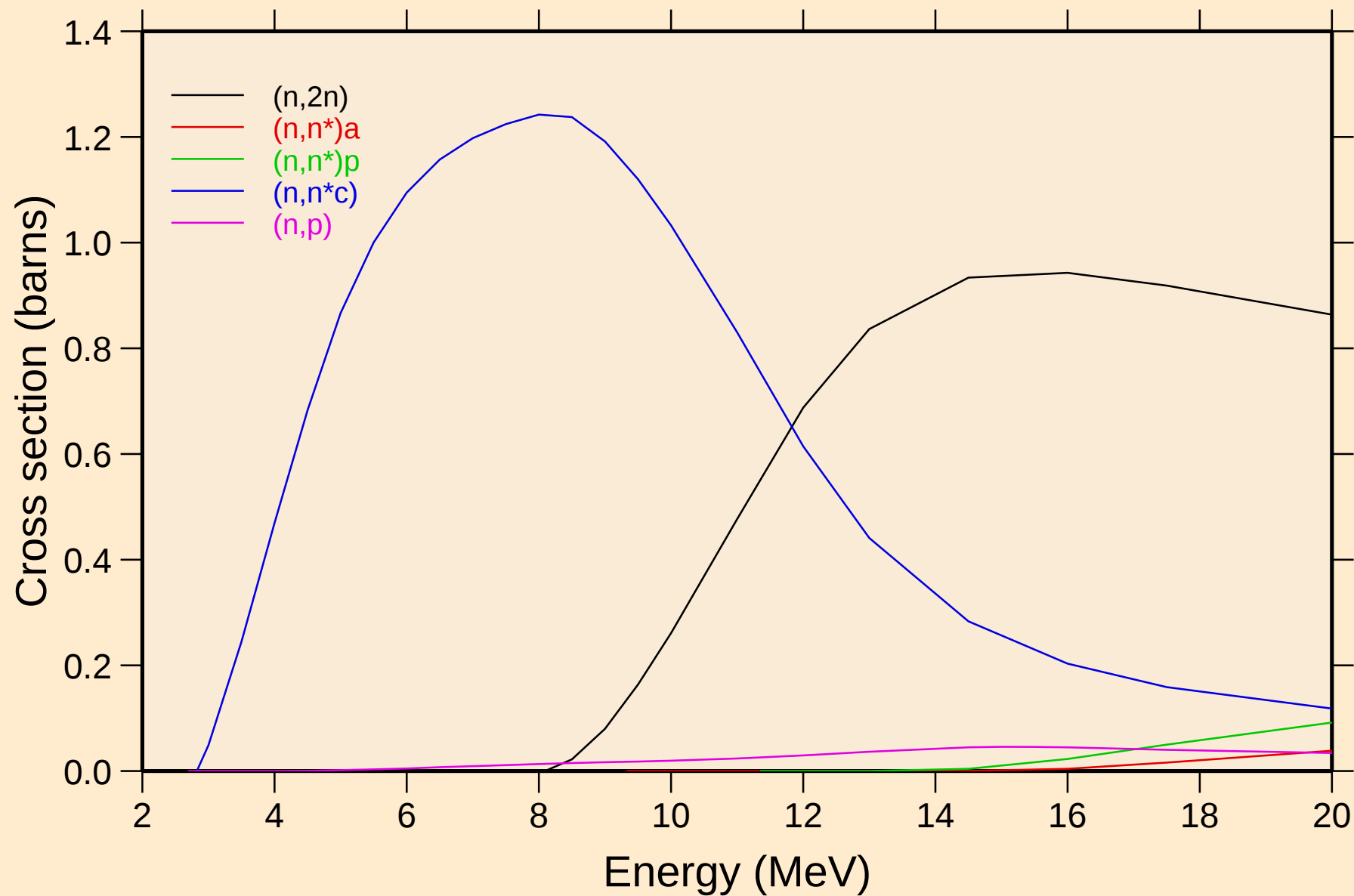
JEFF-3.1 CR-53

Inelastic levels



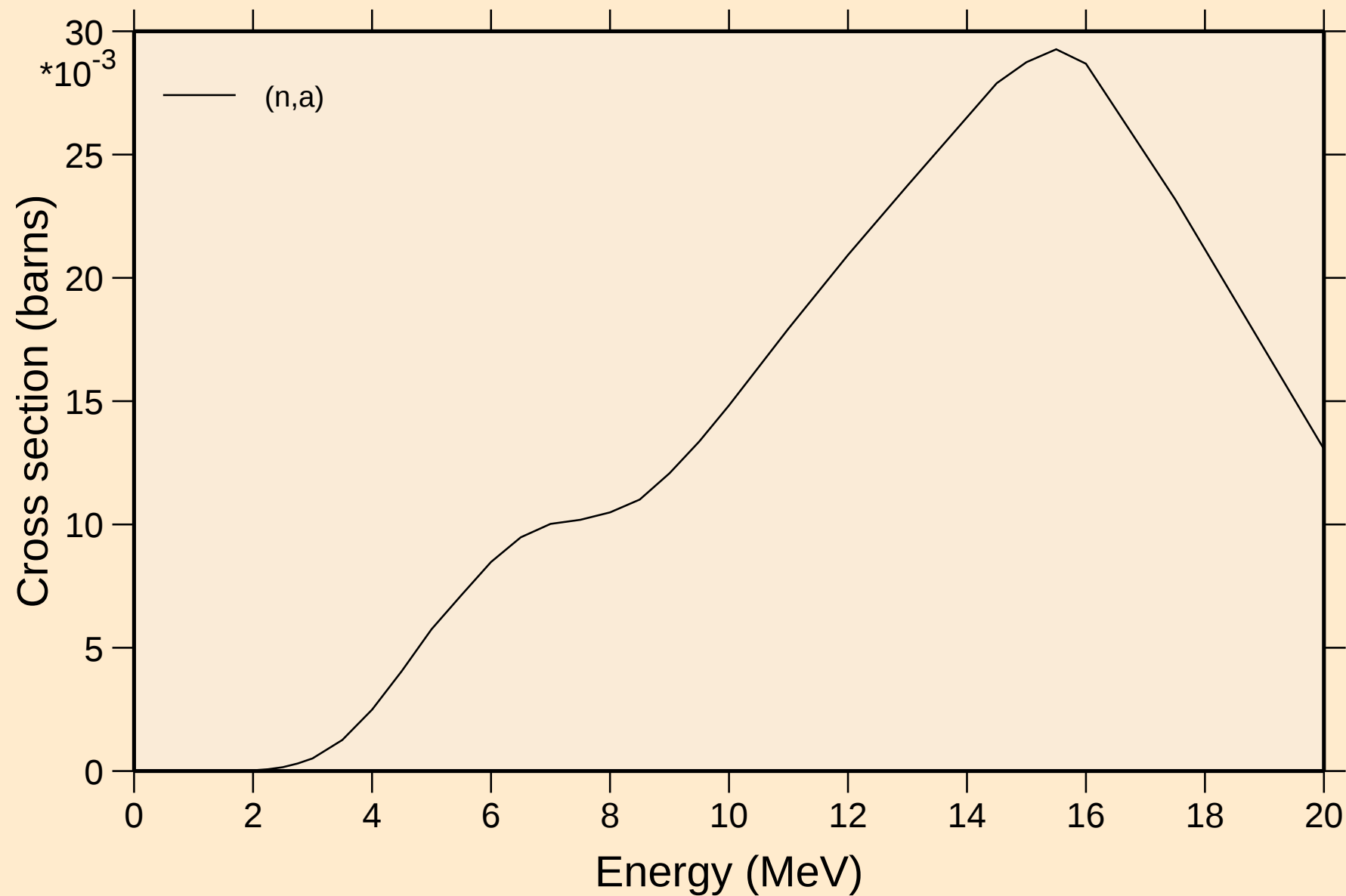
JEFF-3.1 CR-53

Threshold reactions



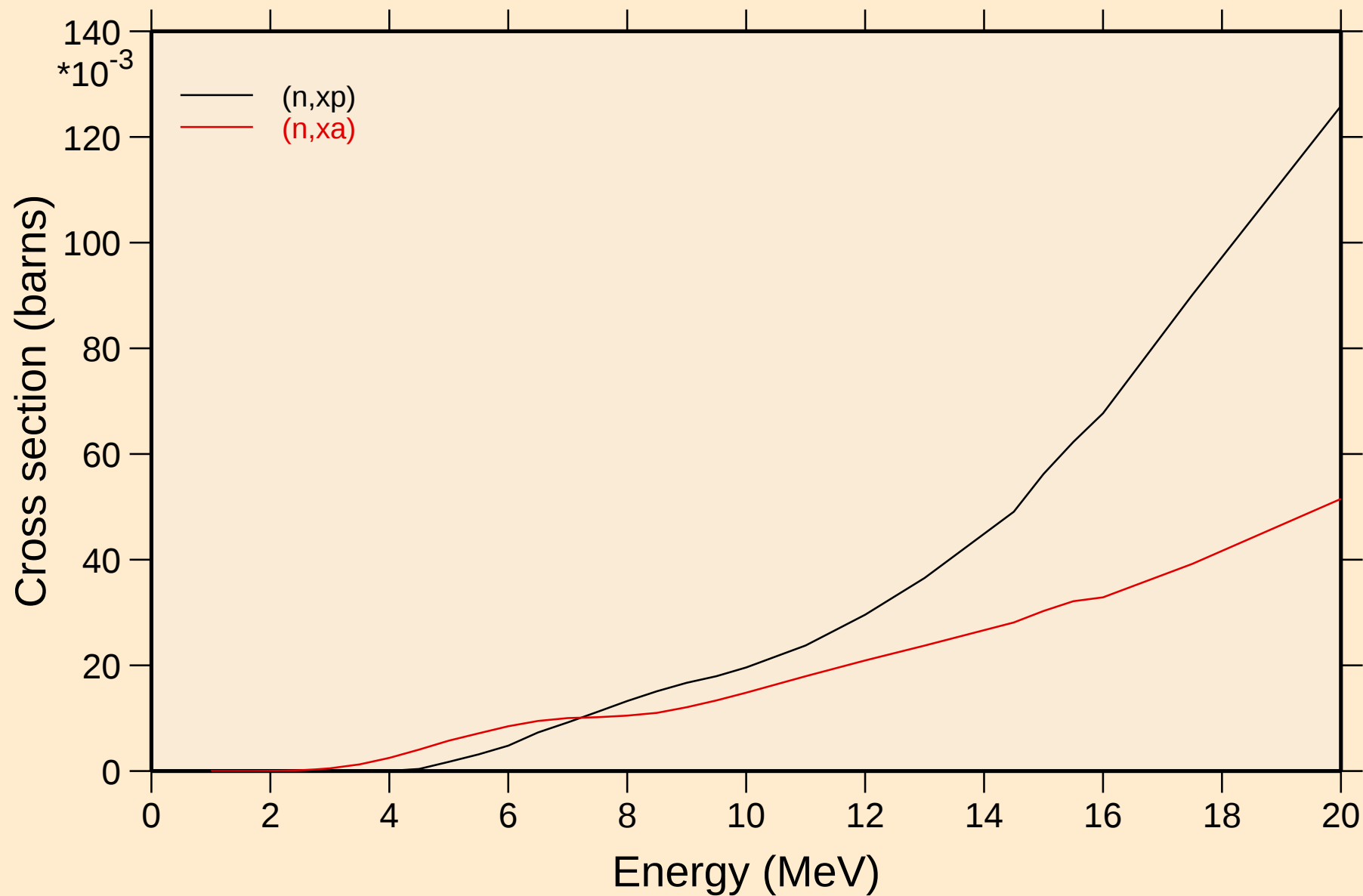
JEFF-3.1 CR-53

Threshold reactions

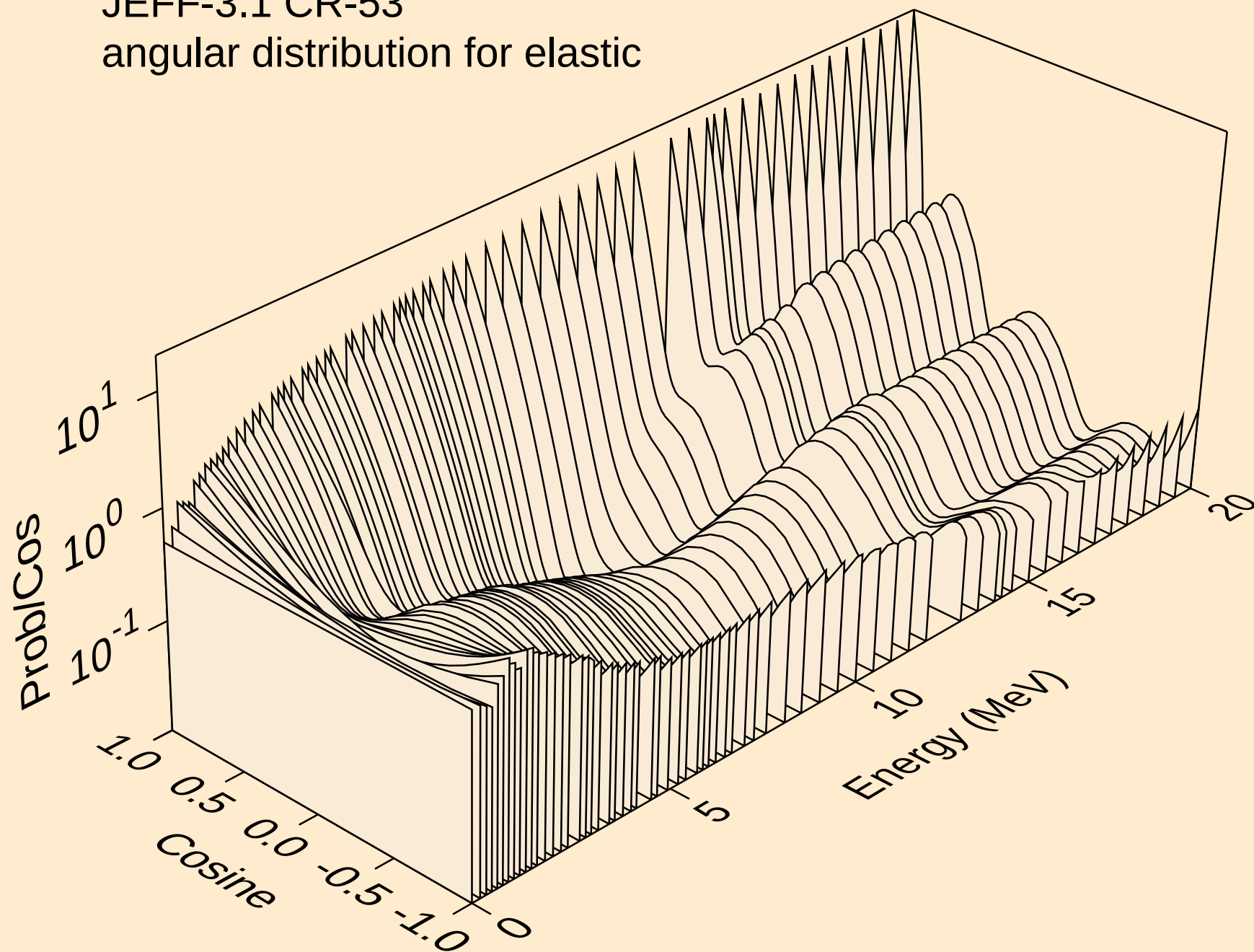


JEFF-3.1 CR-53

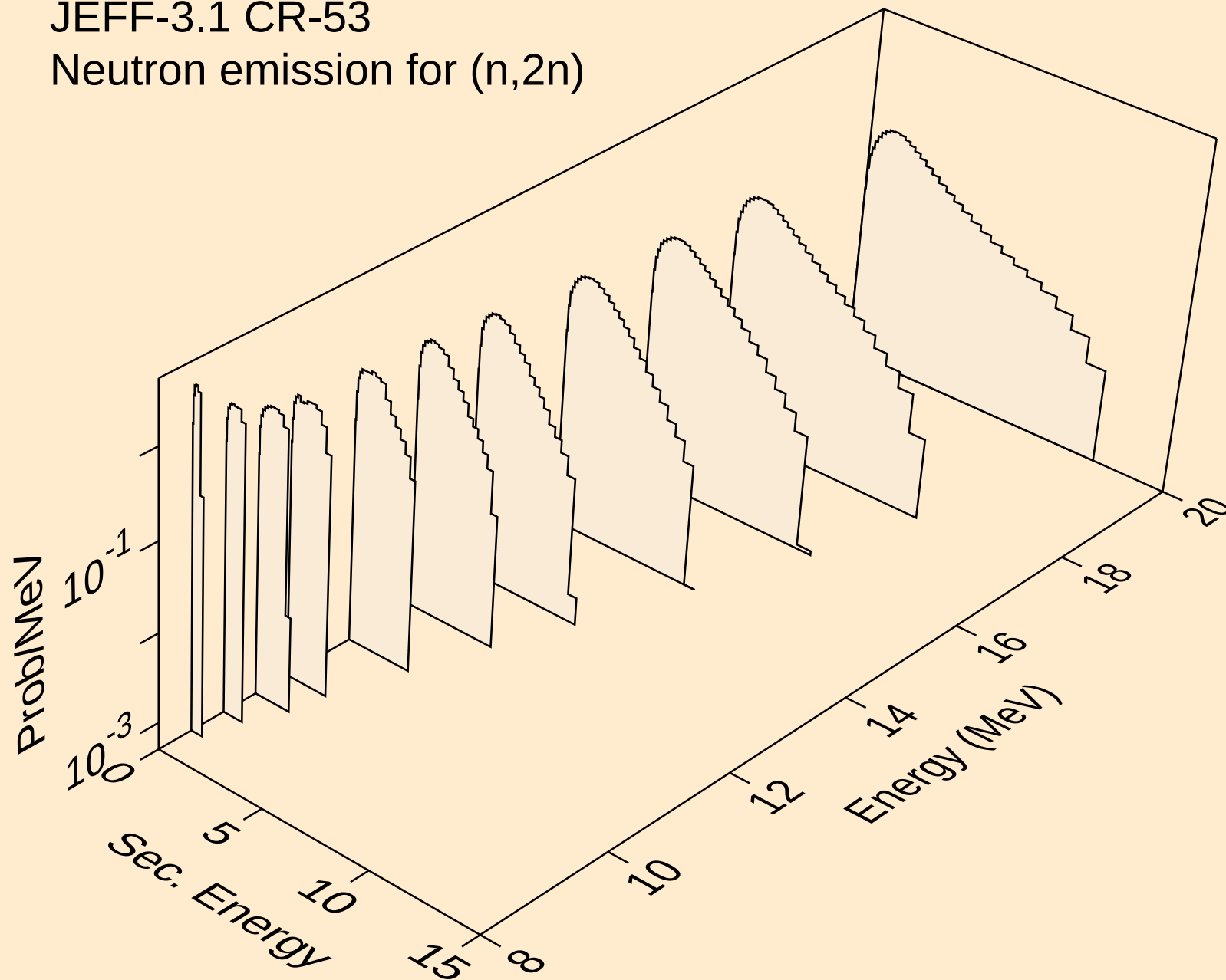
Threshold reactions



JEFF-3.1 CR-53
angular distribution for elastic

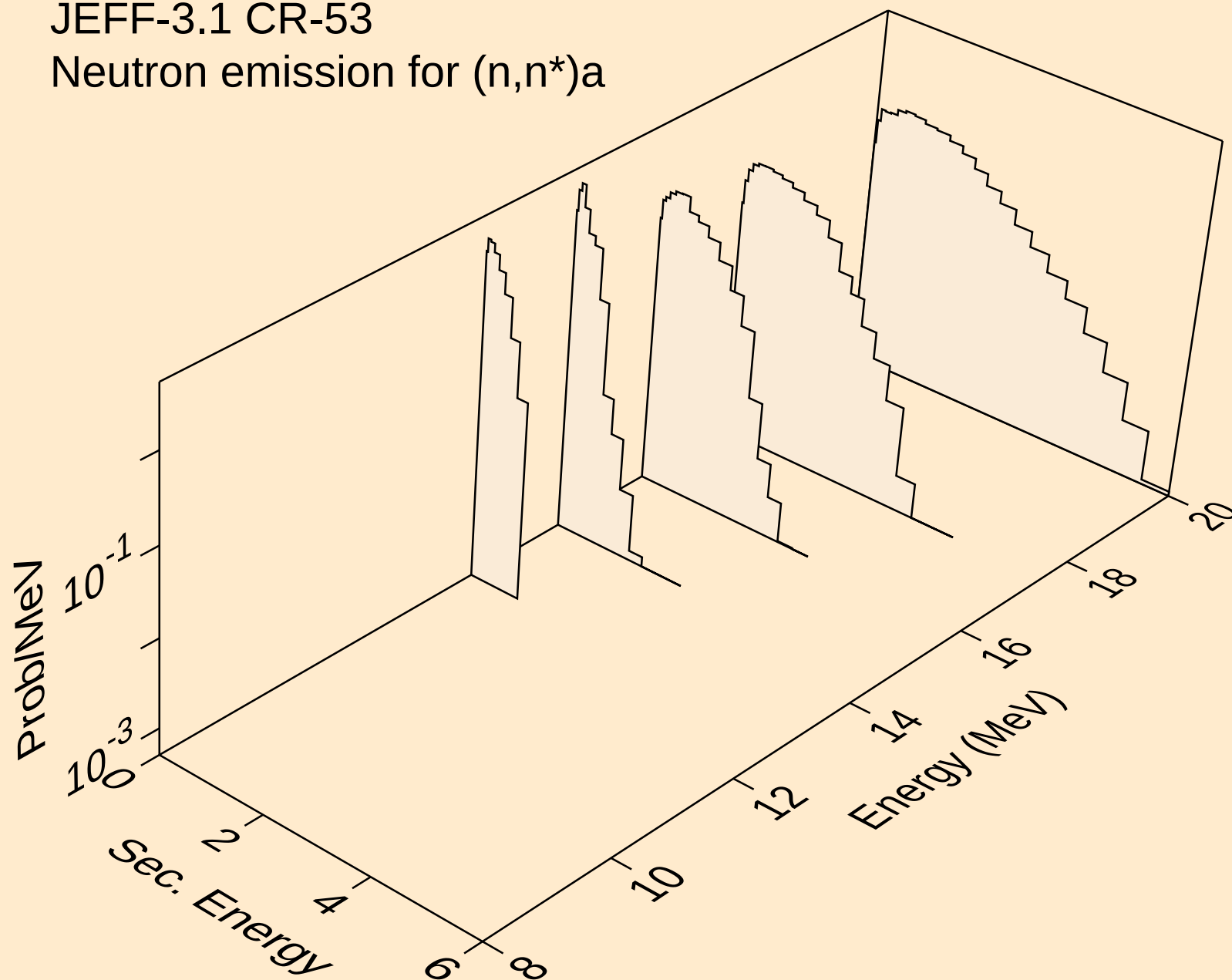


JEFF-3.1 CR-53
Neutron emission for (n,2n)



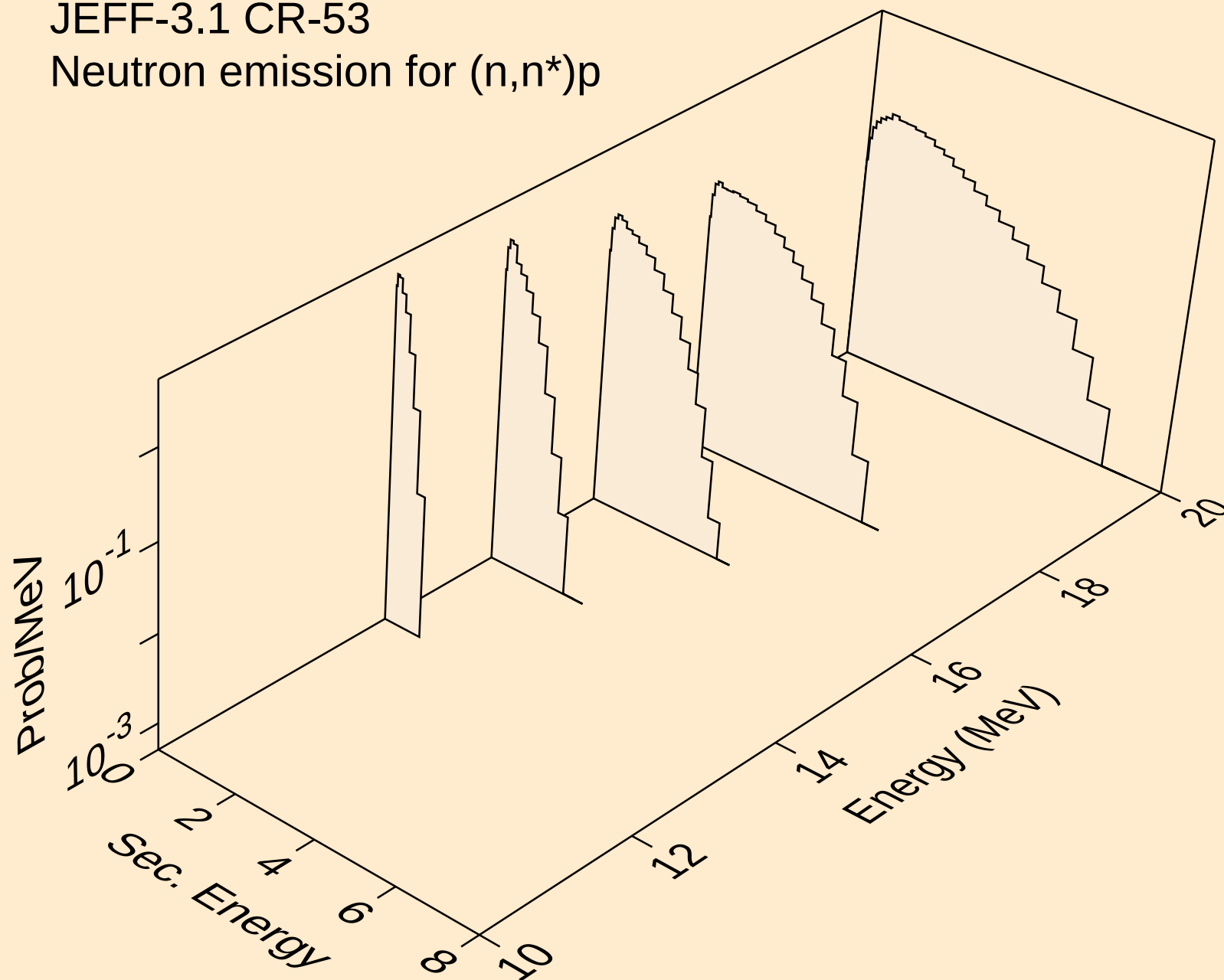
JEFF-3.1 CR-53

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

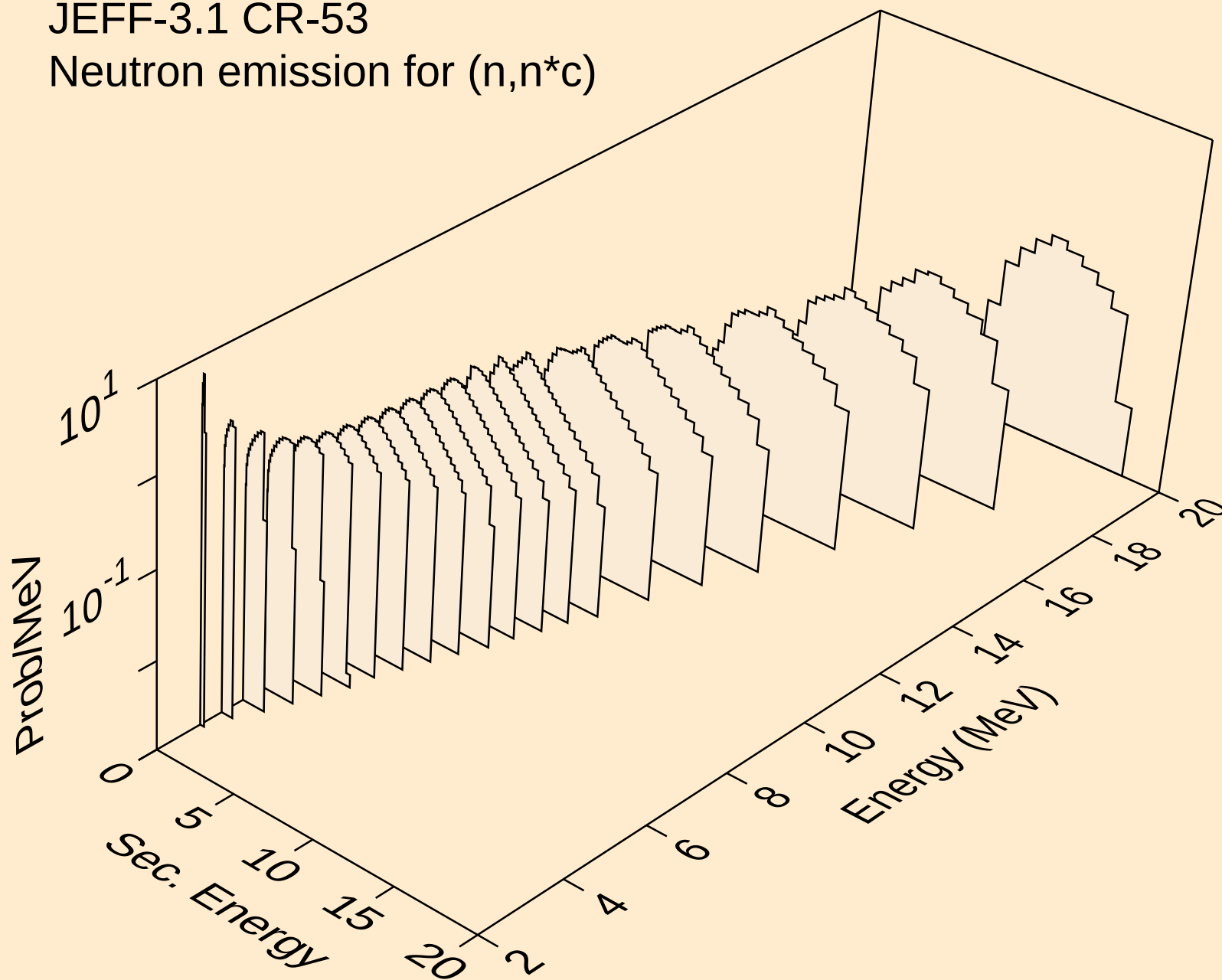


JEFF-3.1 CR-53

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

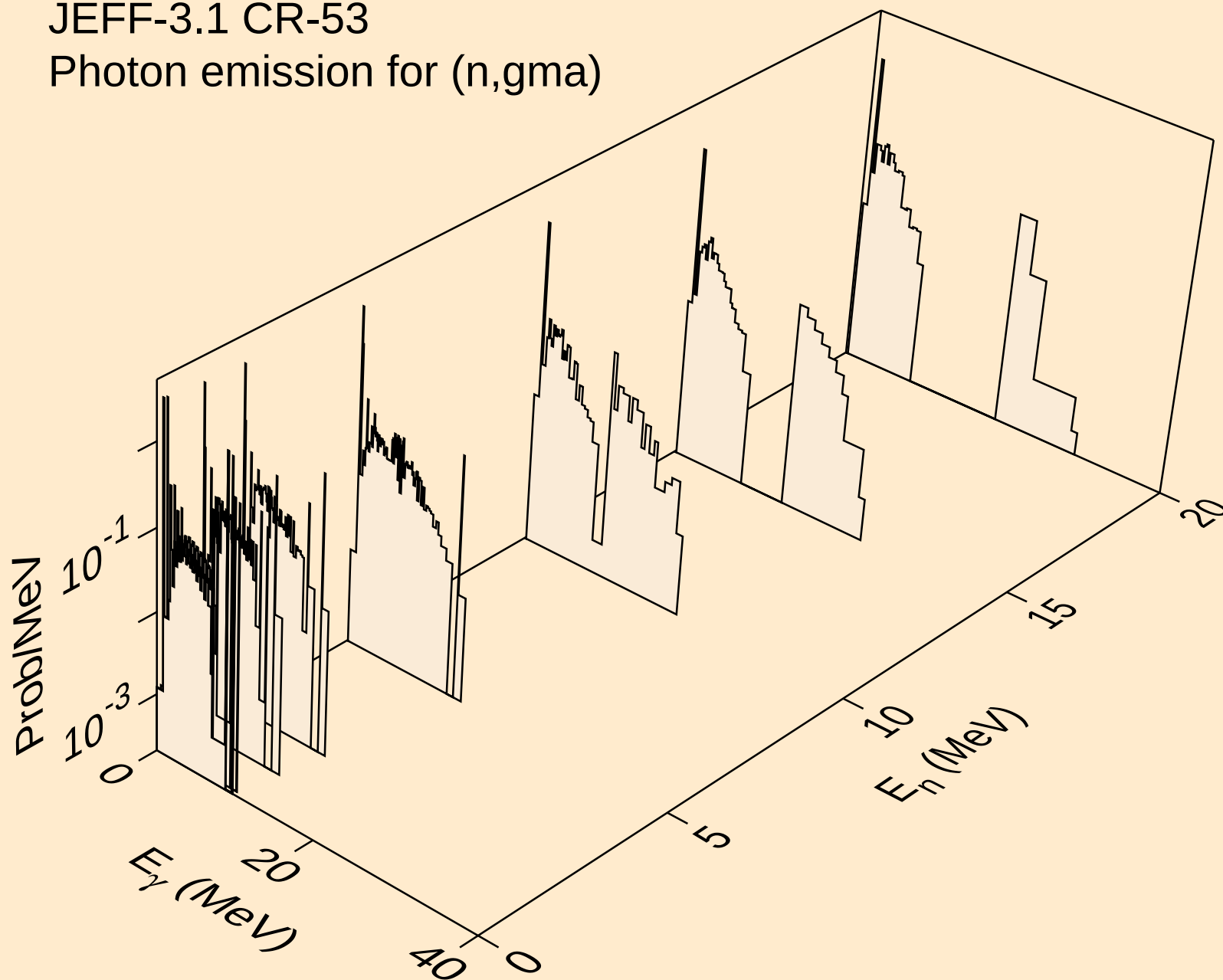


JEFF-3.1 CR-53
Neutron emission for (n,n*c)



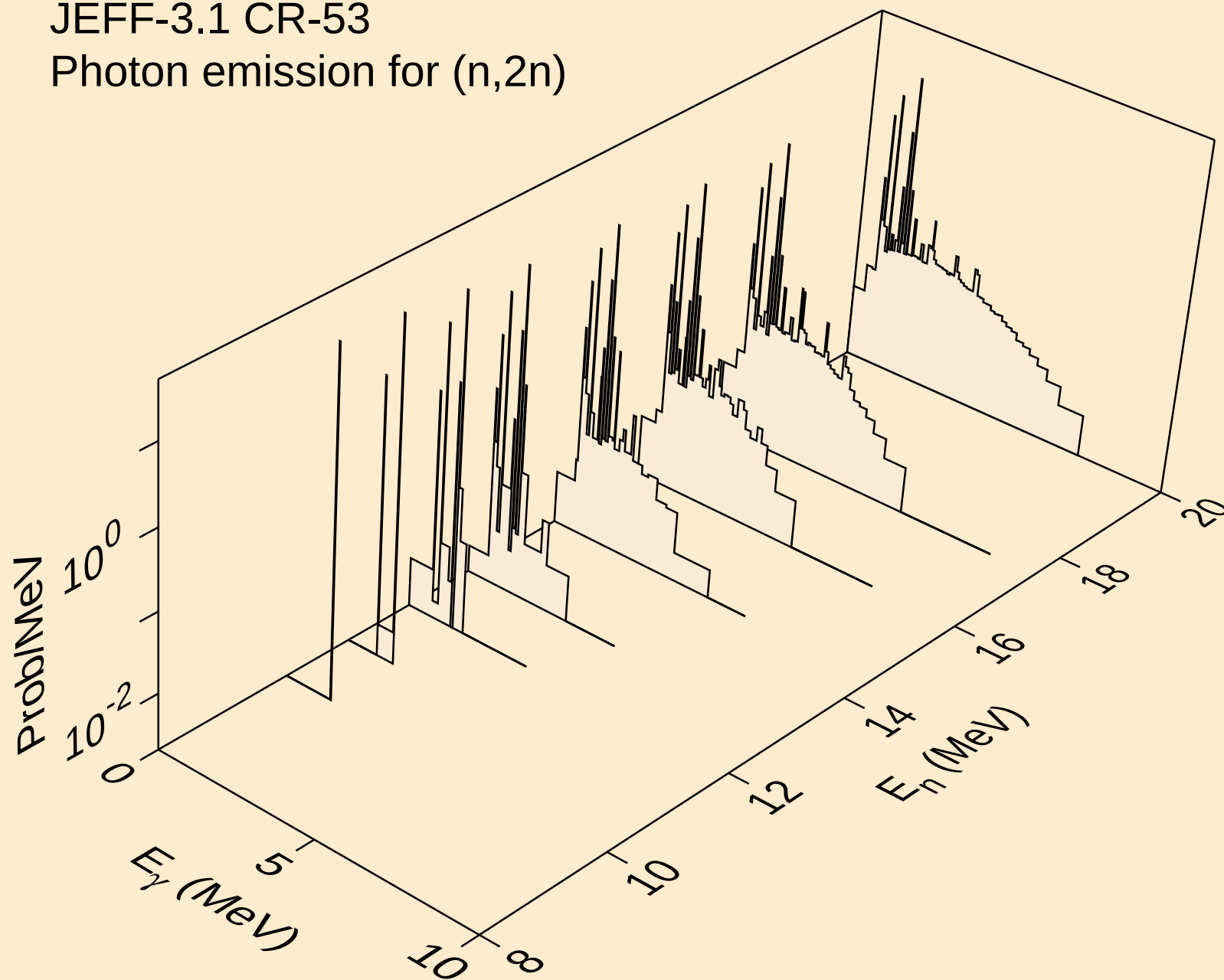
JEFF-3.1 CR-53

Photon emission for (n,gma)



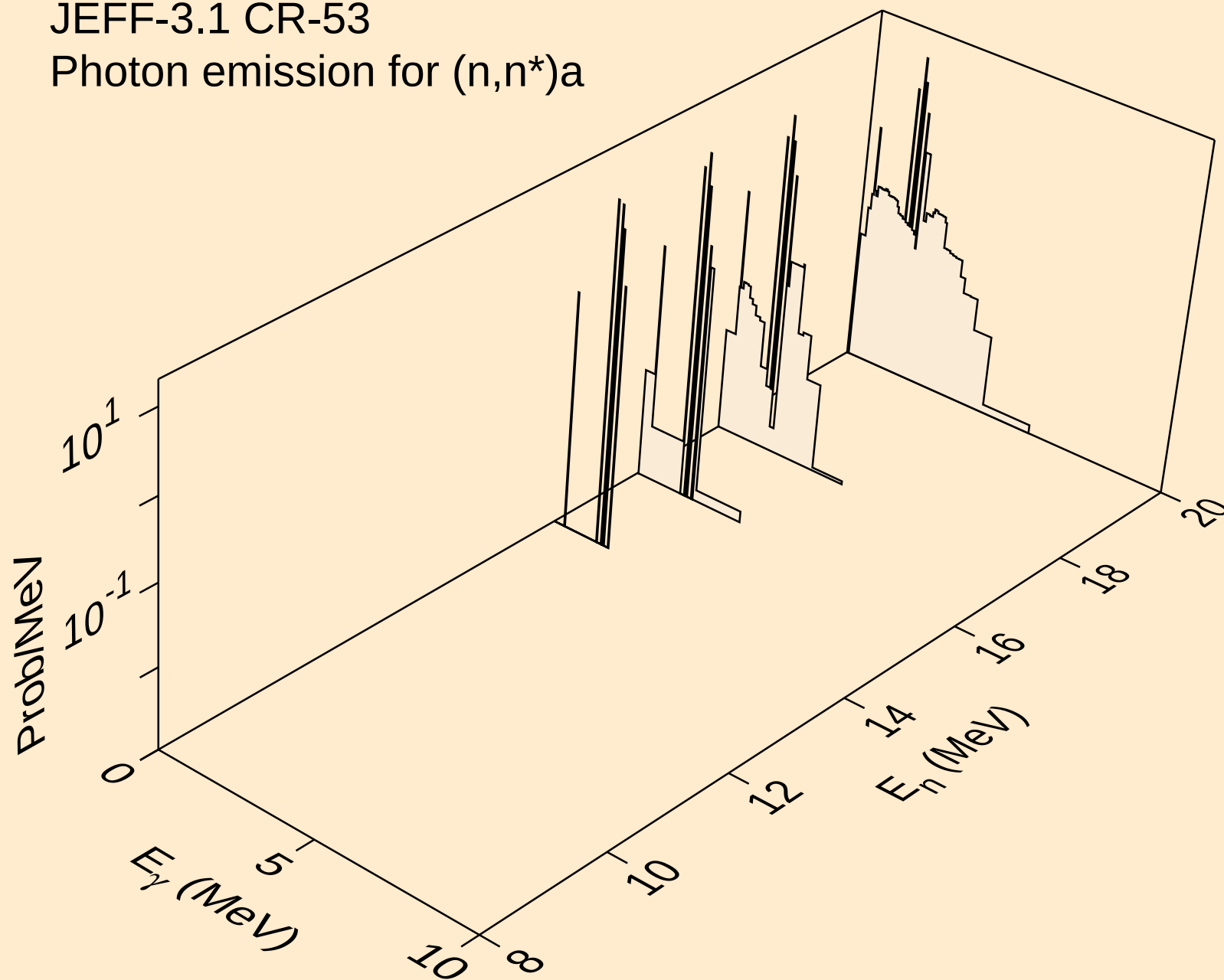
JEFF-3.1 CR-53

Photon emission for (n,2n)



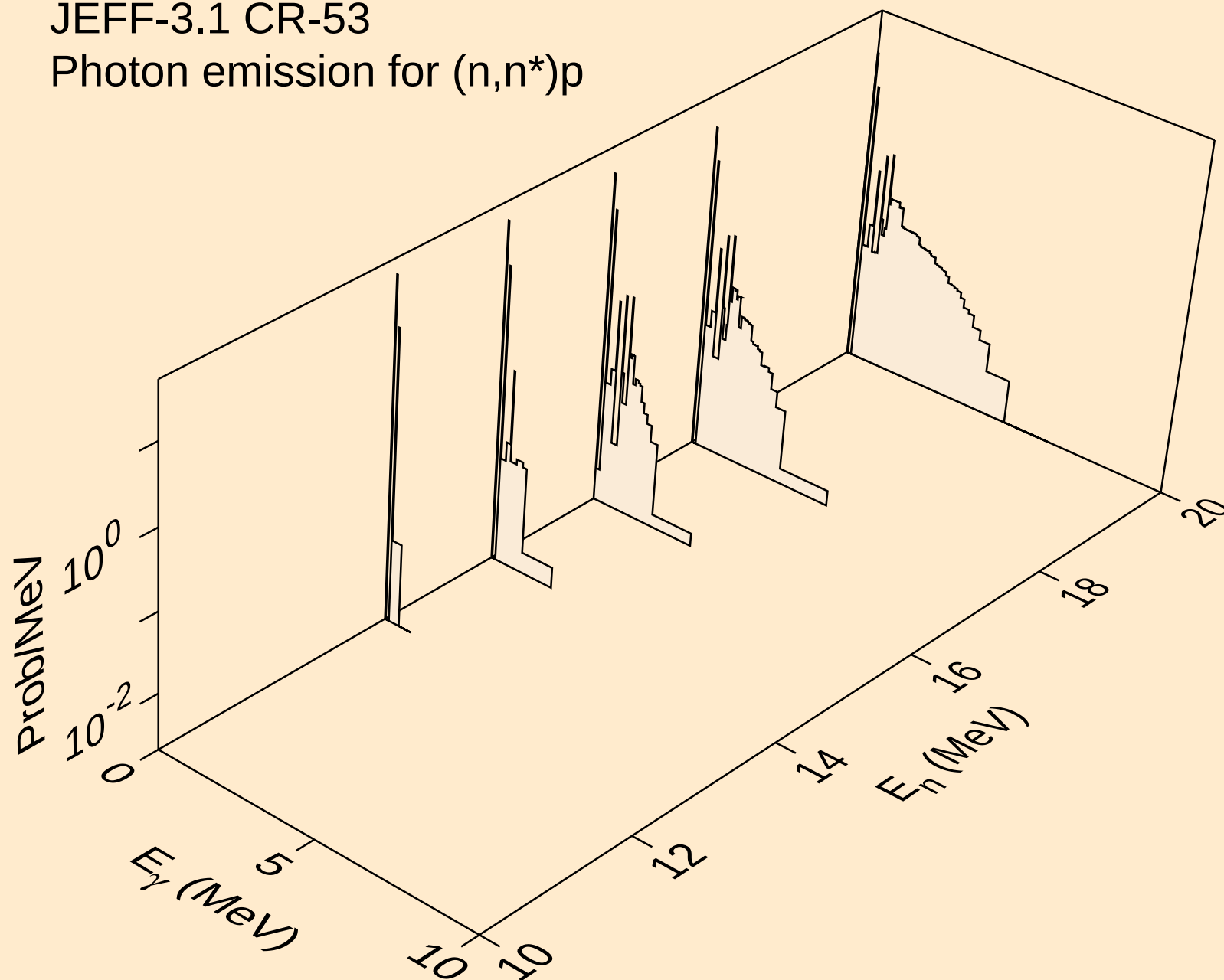
JEFF-3.1 CR-53

Photon emission for (n,n*)a



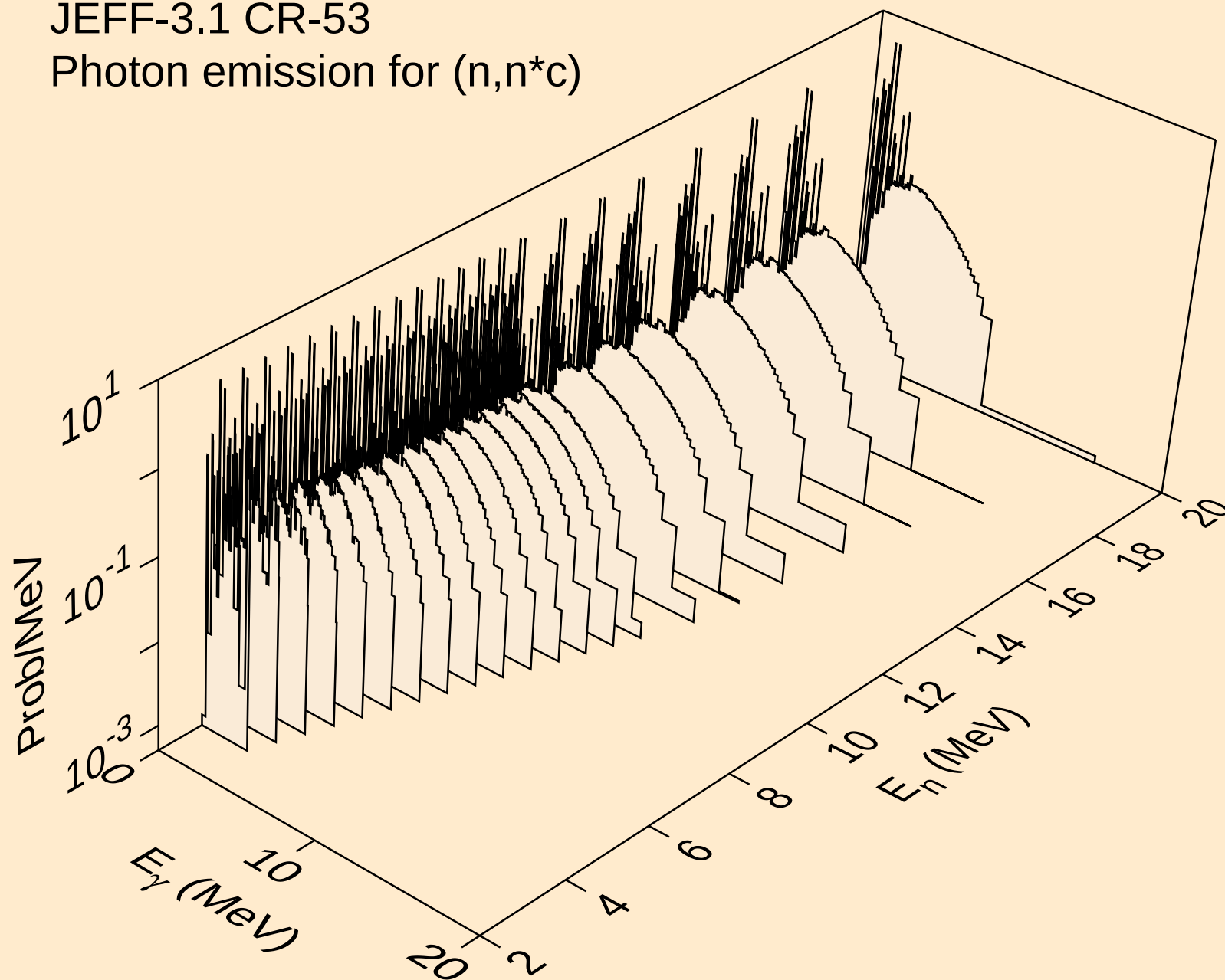
JEFF-3.1 CR-53

Photon emission for (n,n*)p



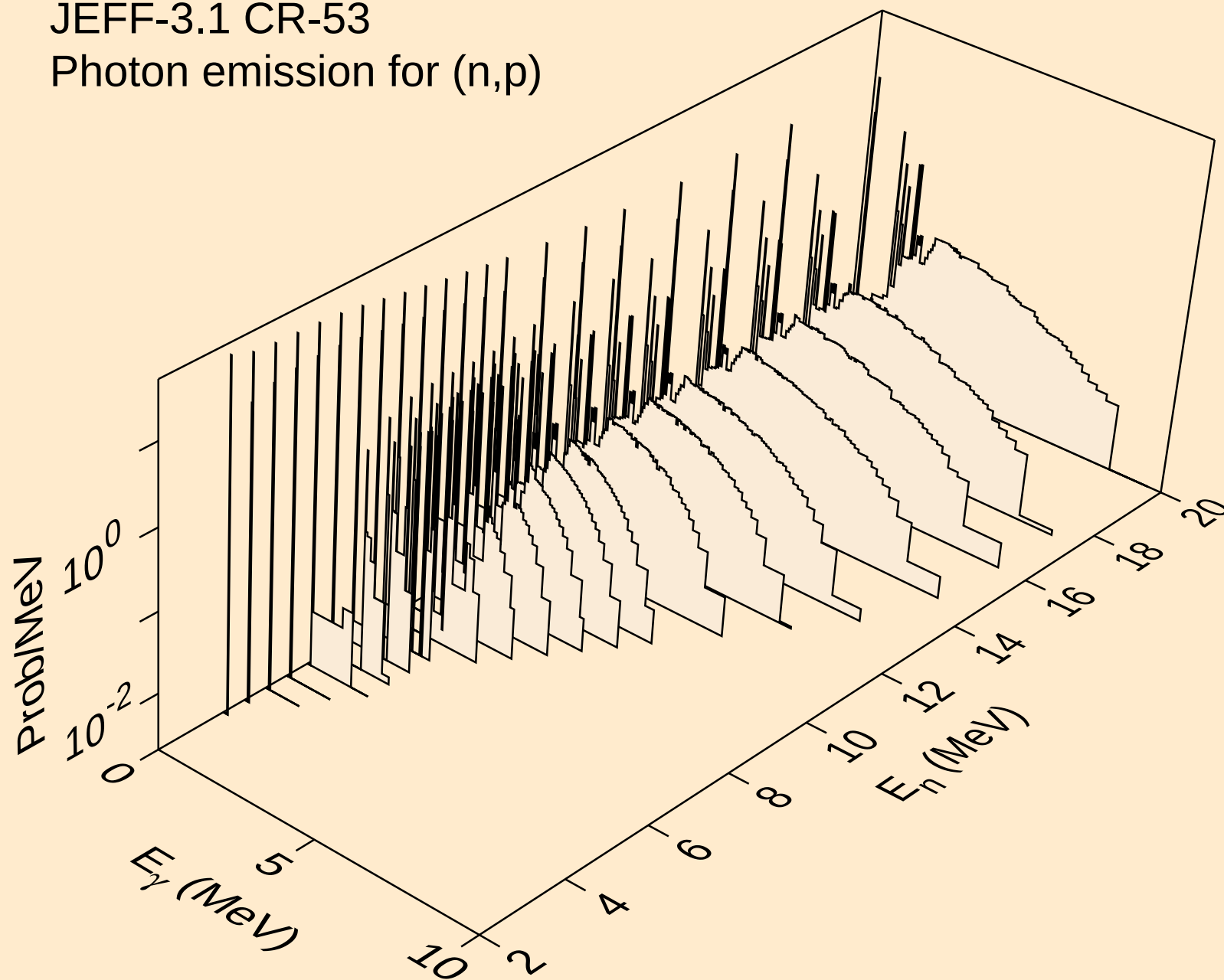
JEFF-3.1 CR-53

Photon emission for (n,n*c)



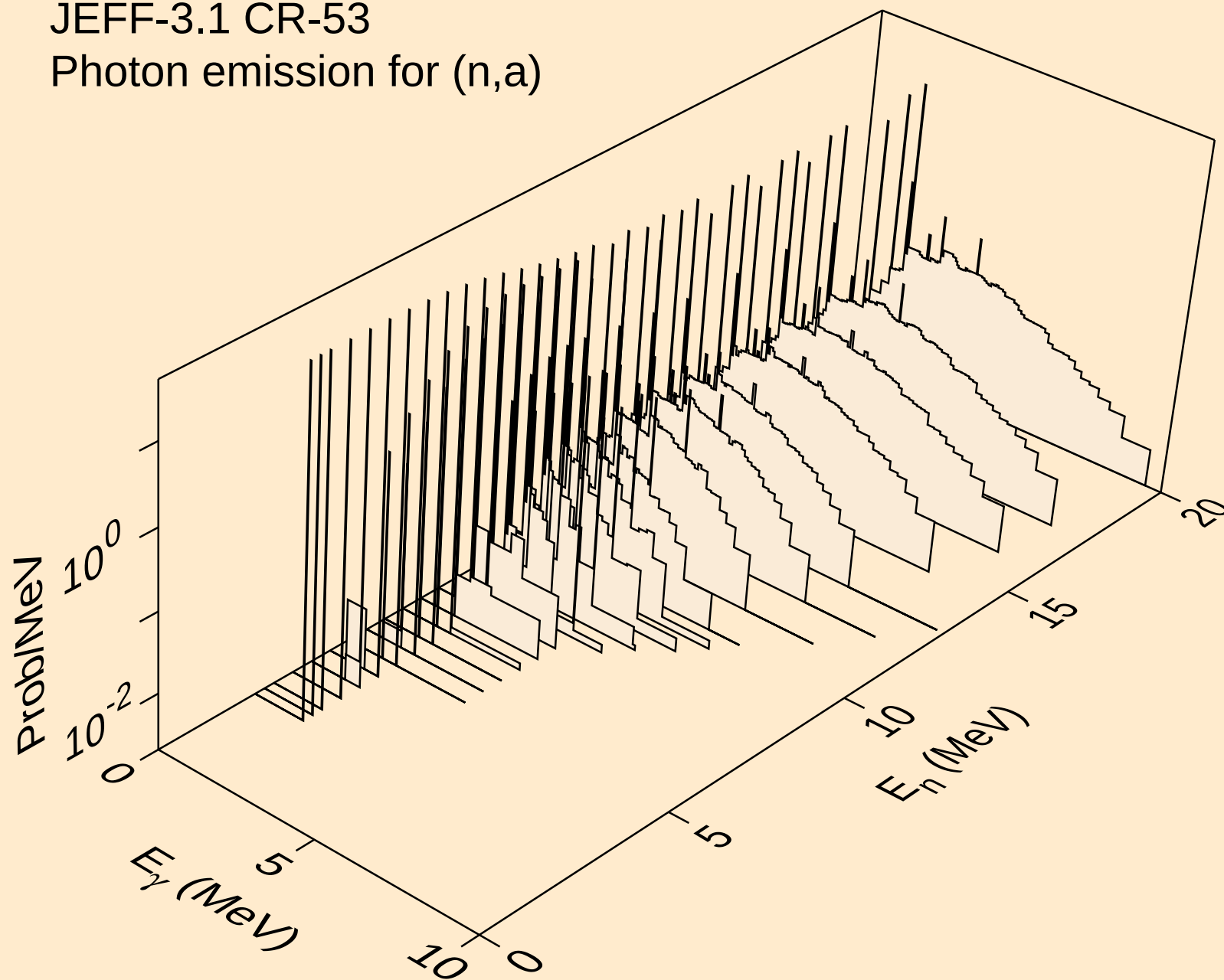
JEFF-3.1 CR-53

Photon emission for (n,p)

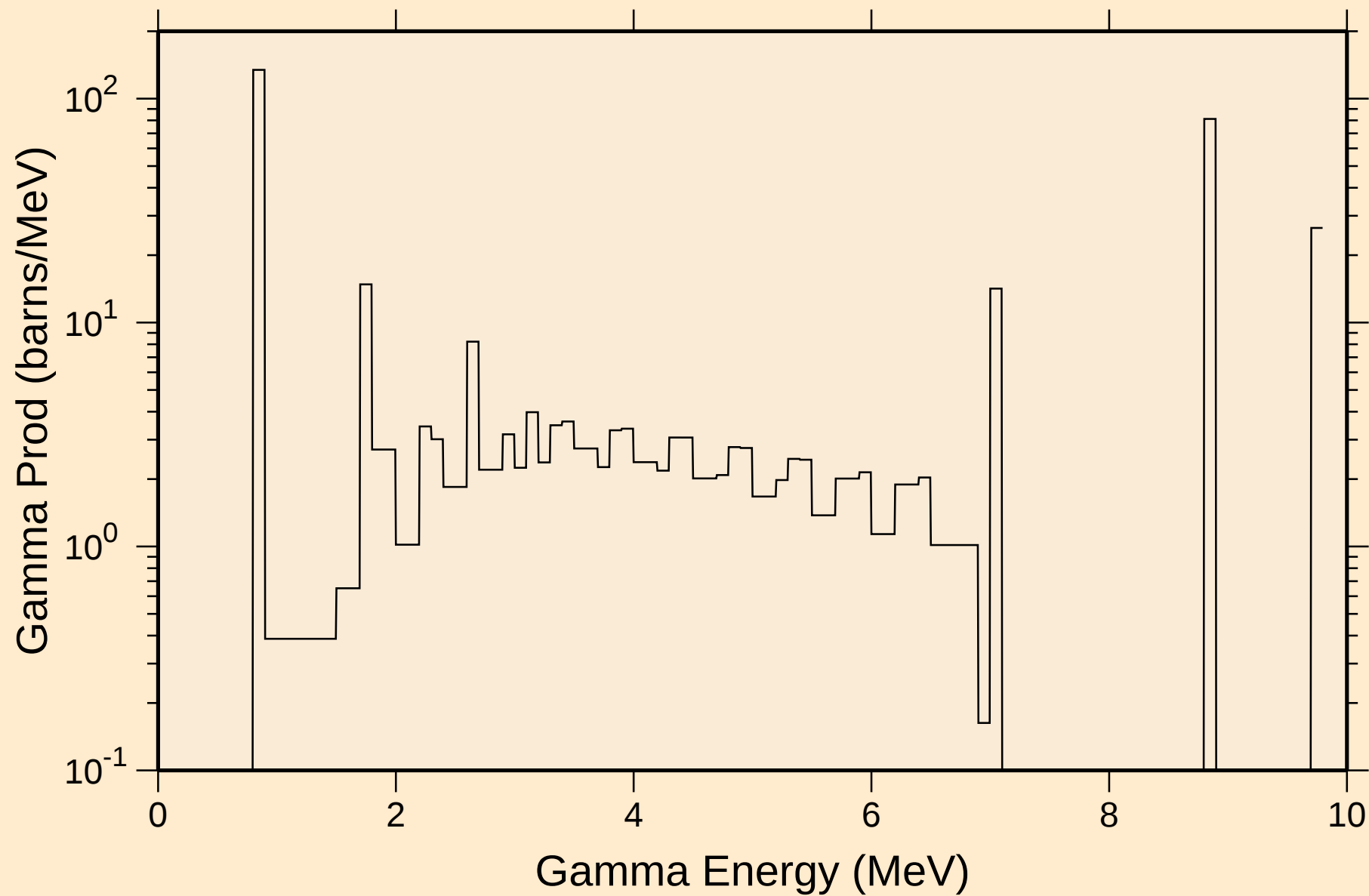


JEFF-3.1 CR-53

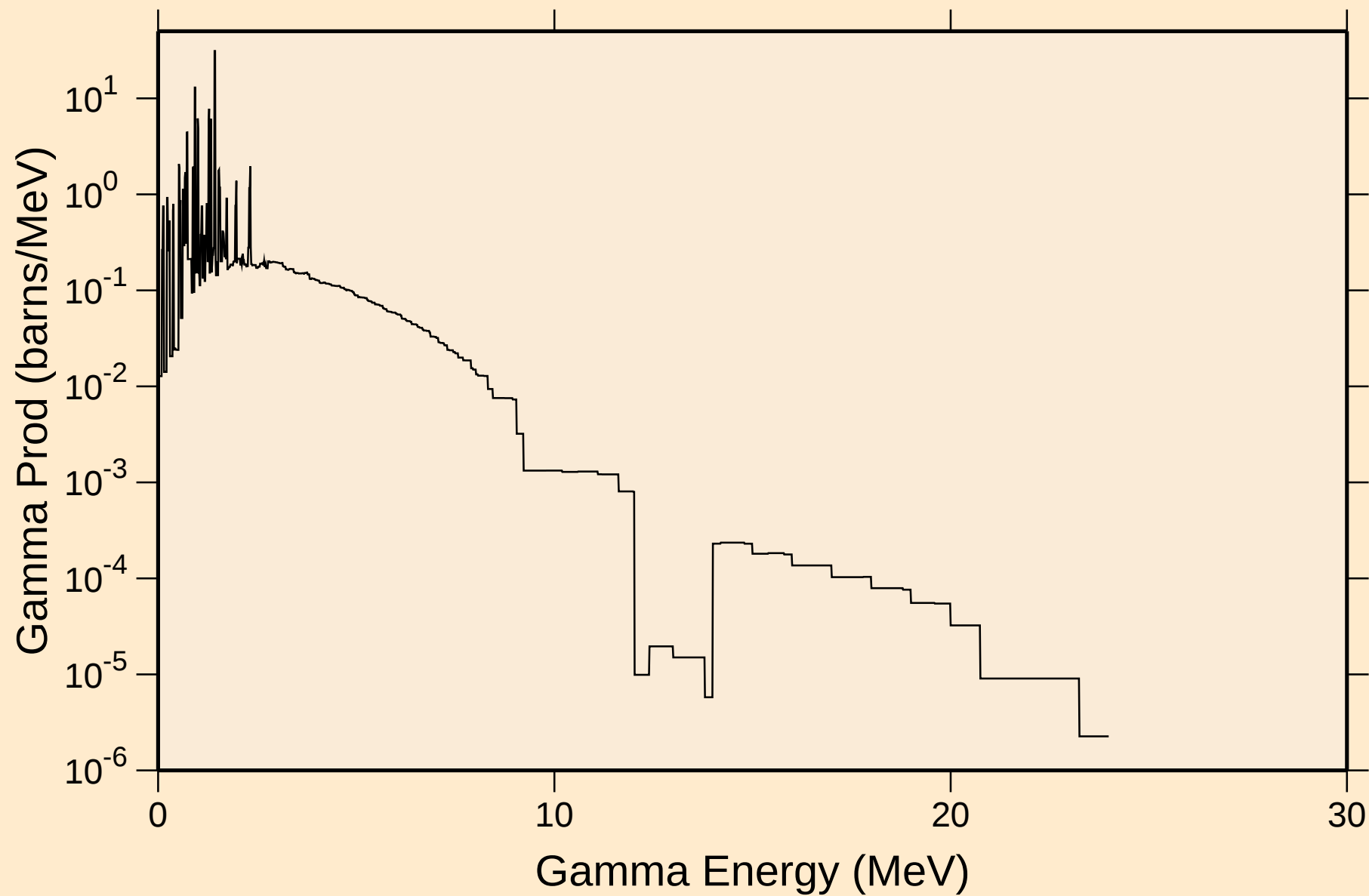
Photon emission for (n,a)



JEFF-3.1 CR-53
thermal capture photon spectrum

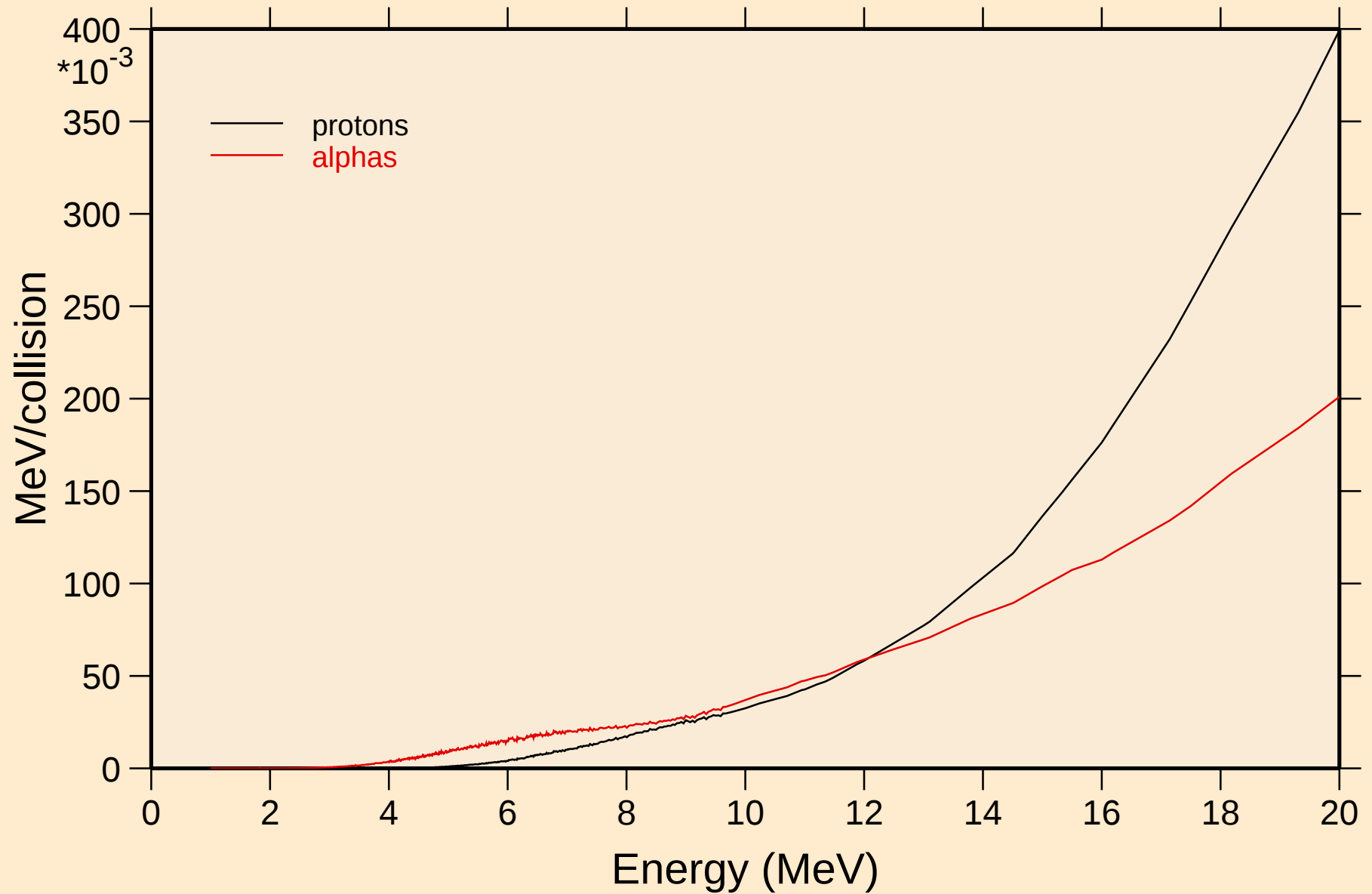


JEFF-3.1 CR-53
14 MeV photon spectrum



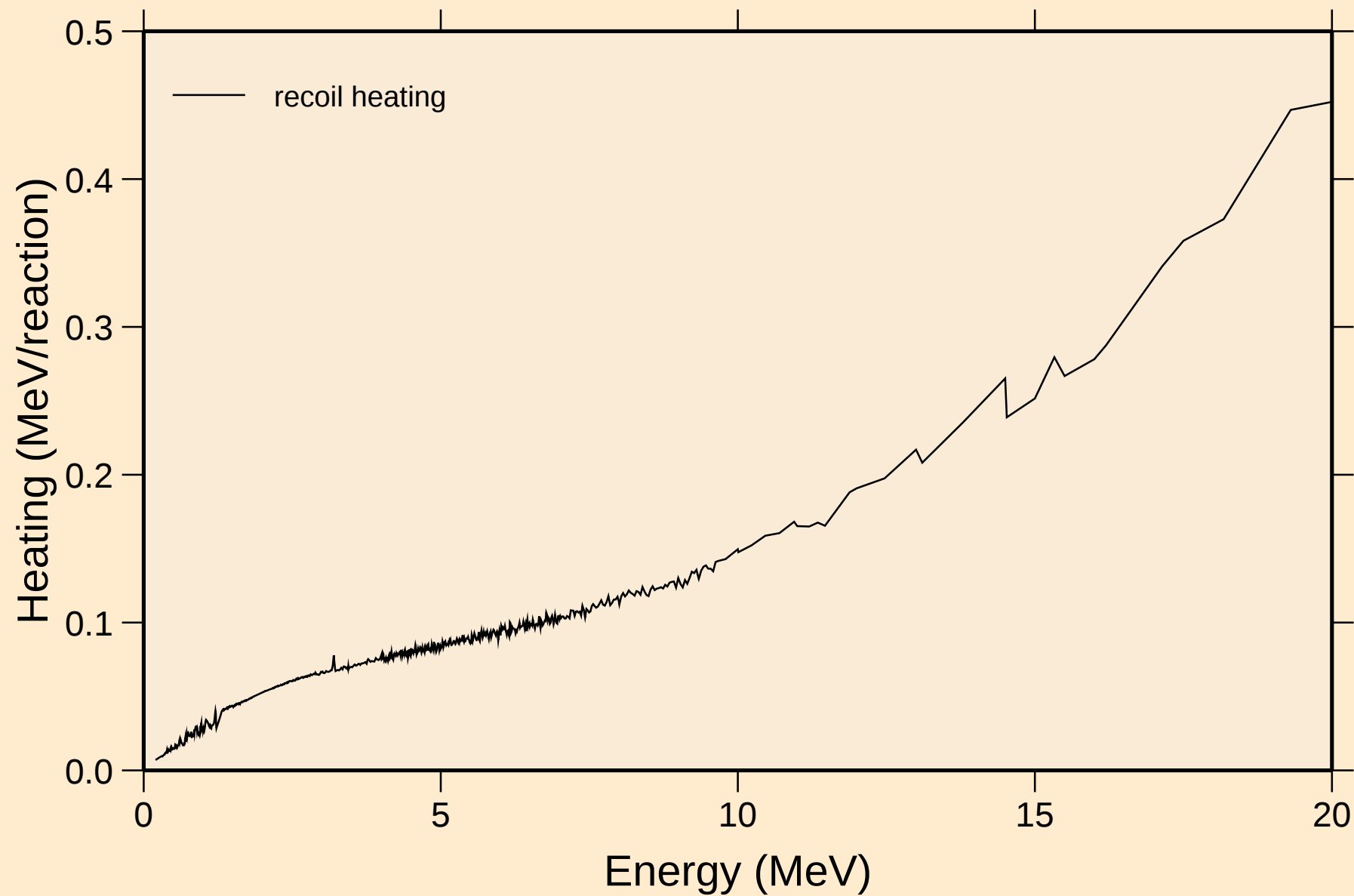
JEFF-3.1 CR-53

Particle heating contributions



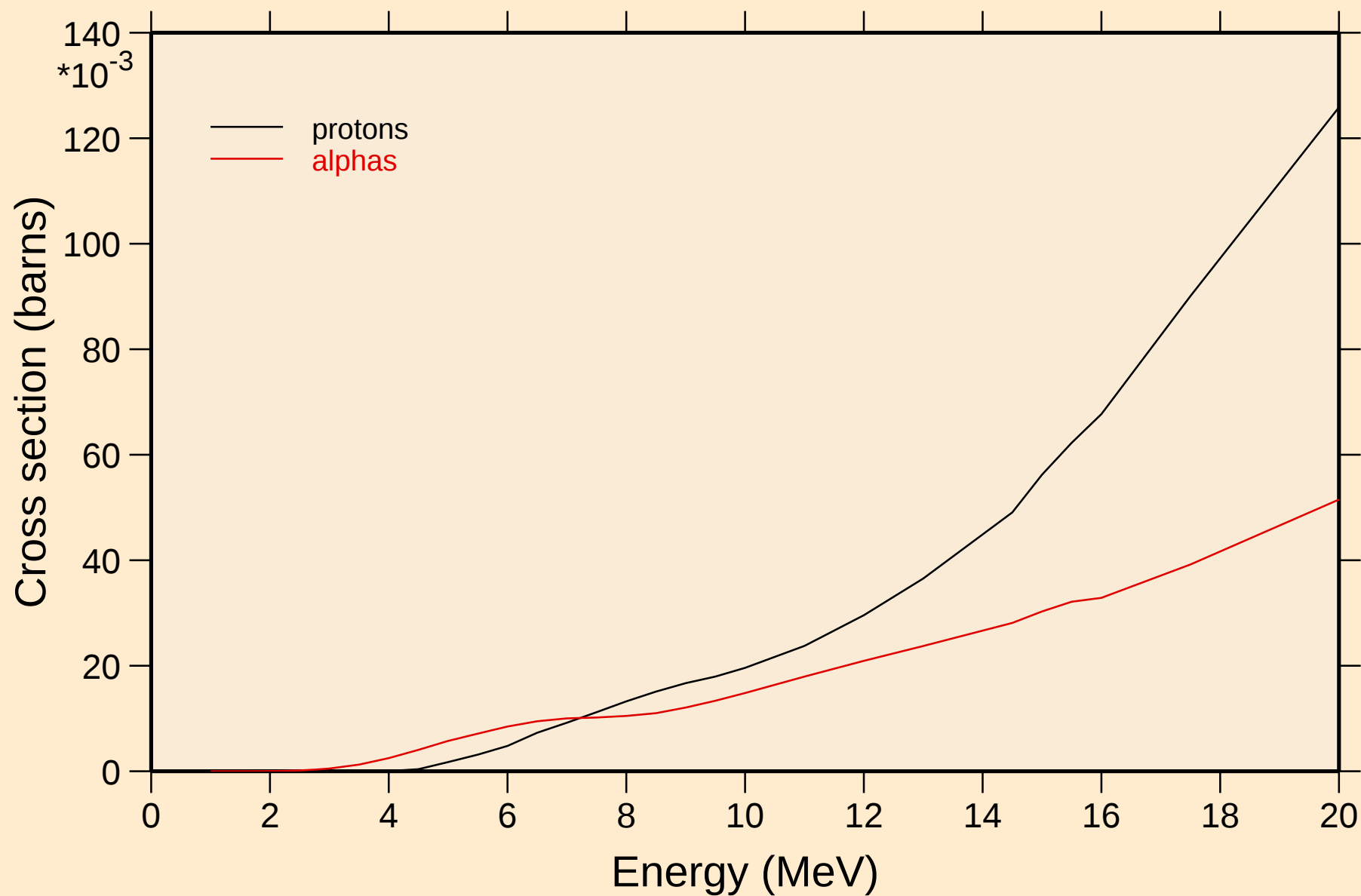
JEFF-3.1 CR-53

Recoil Heating

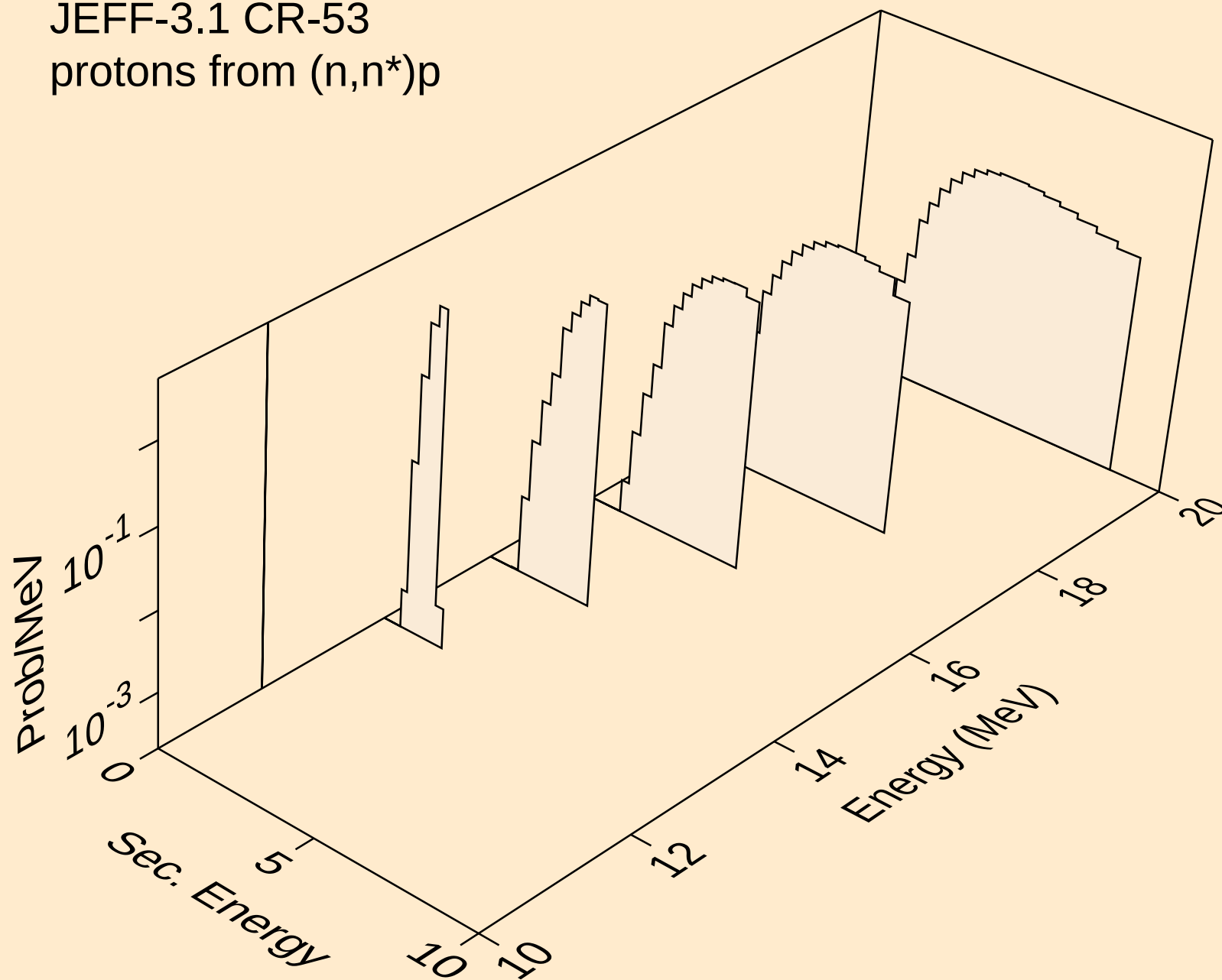


JEFF-3.1 CR-53

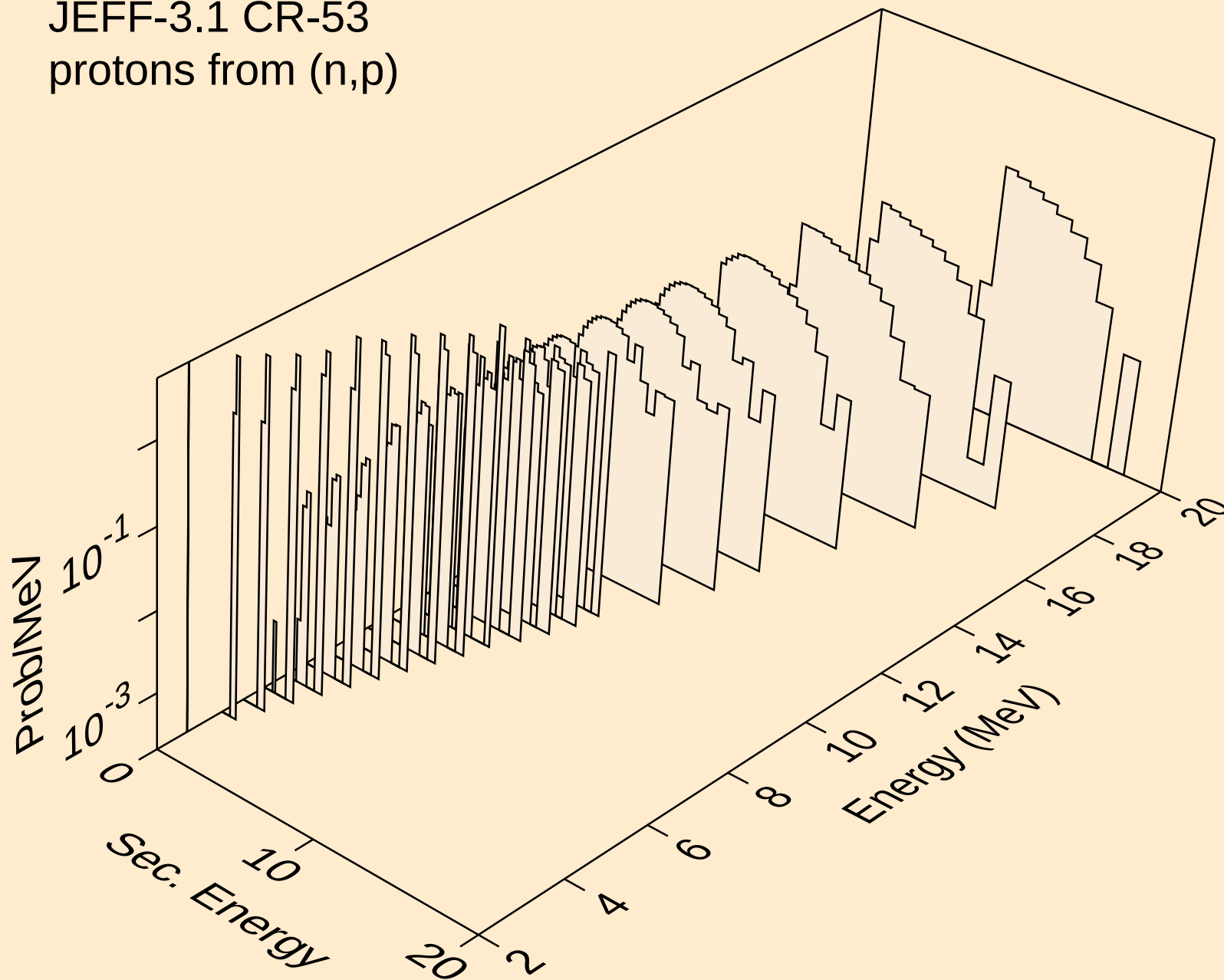
Particle production cross sections



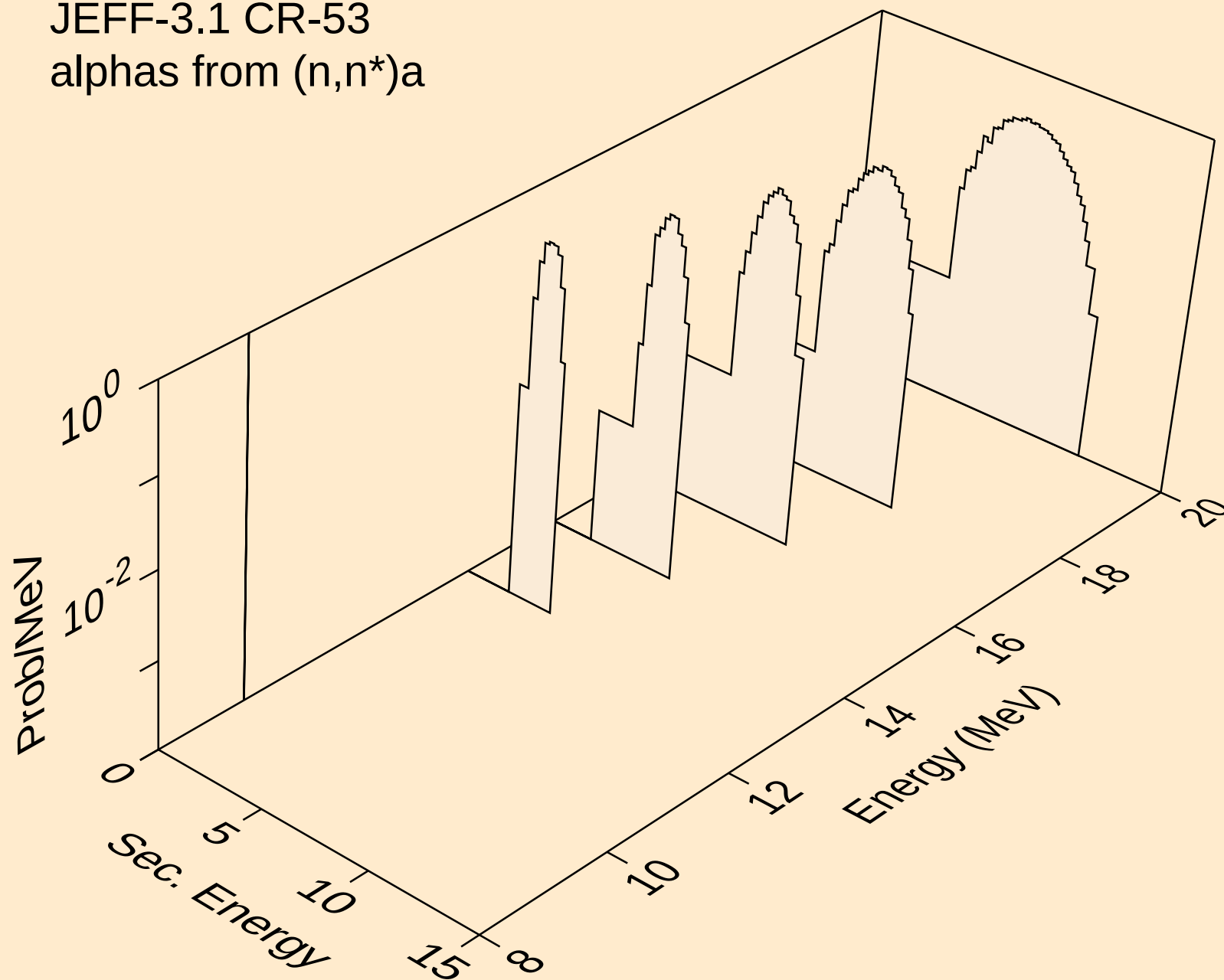
JEFF-3.1 CR-53
protons from $(n,n^*)p$



JEFF-3.1 CR-53
protons from (n,p)



JEFF-3.1 CR-53
alphas from (n,n*)a



JEFF-3.1 CR-53
alphas from (n,a)

