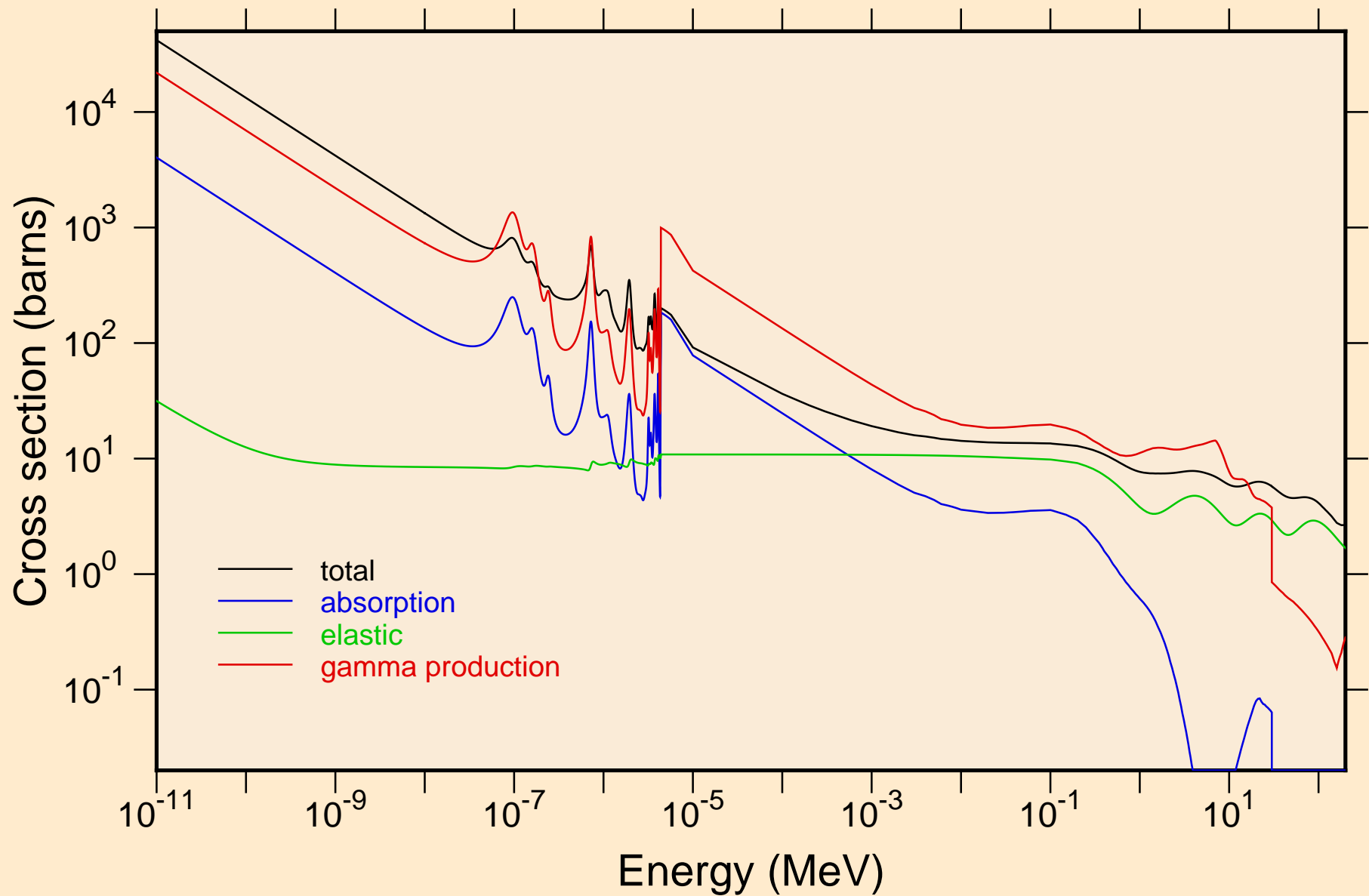
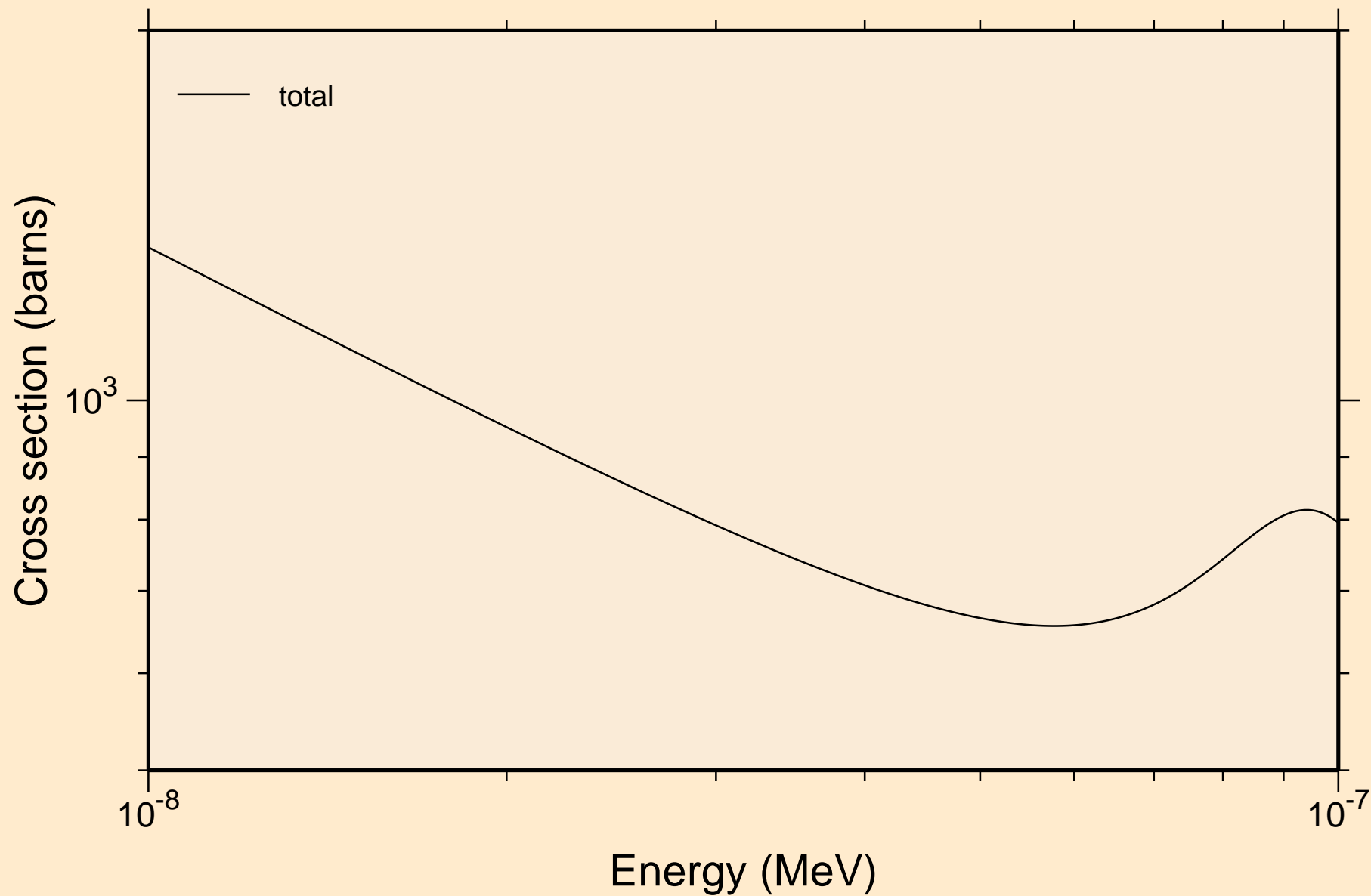


# MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

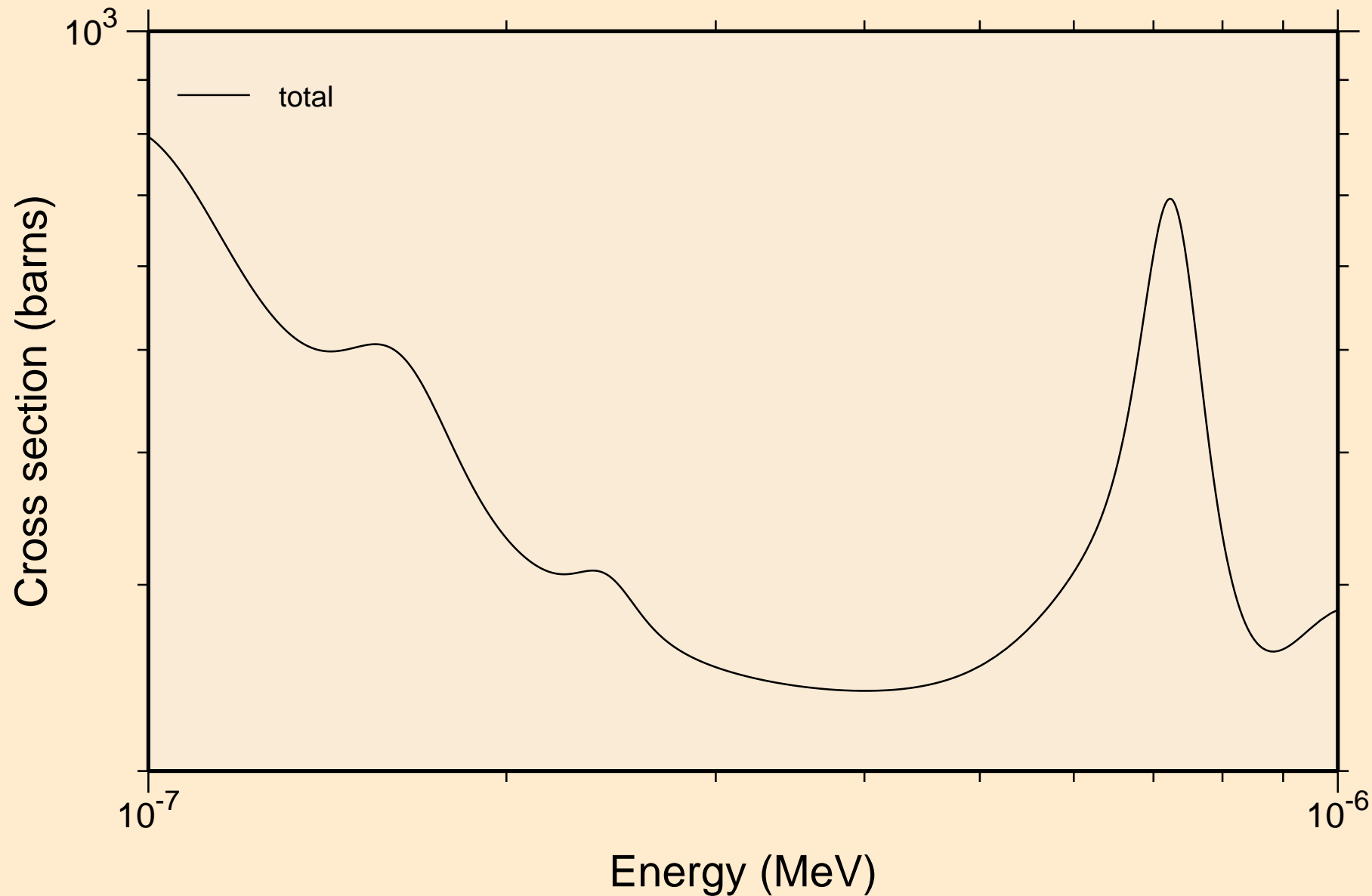
## Principal cross sections



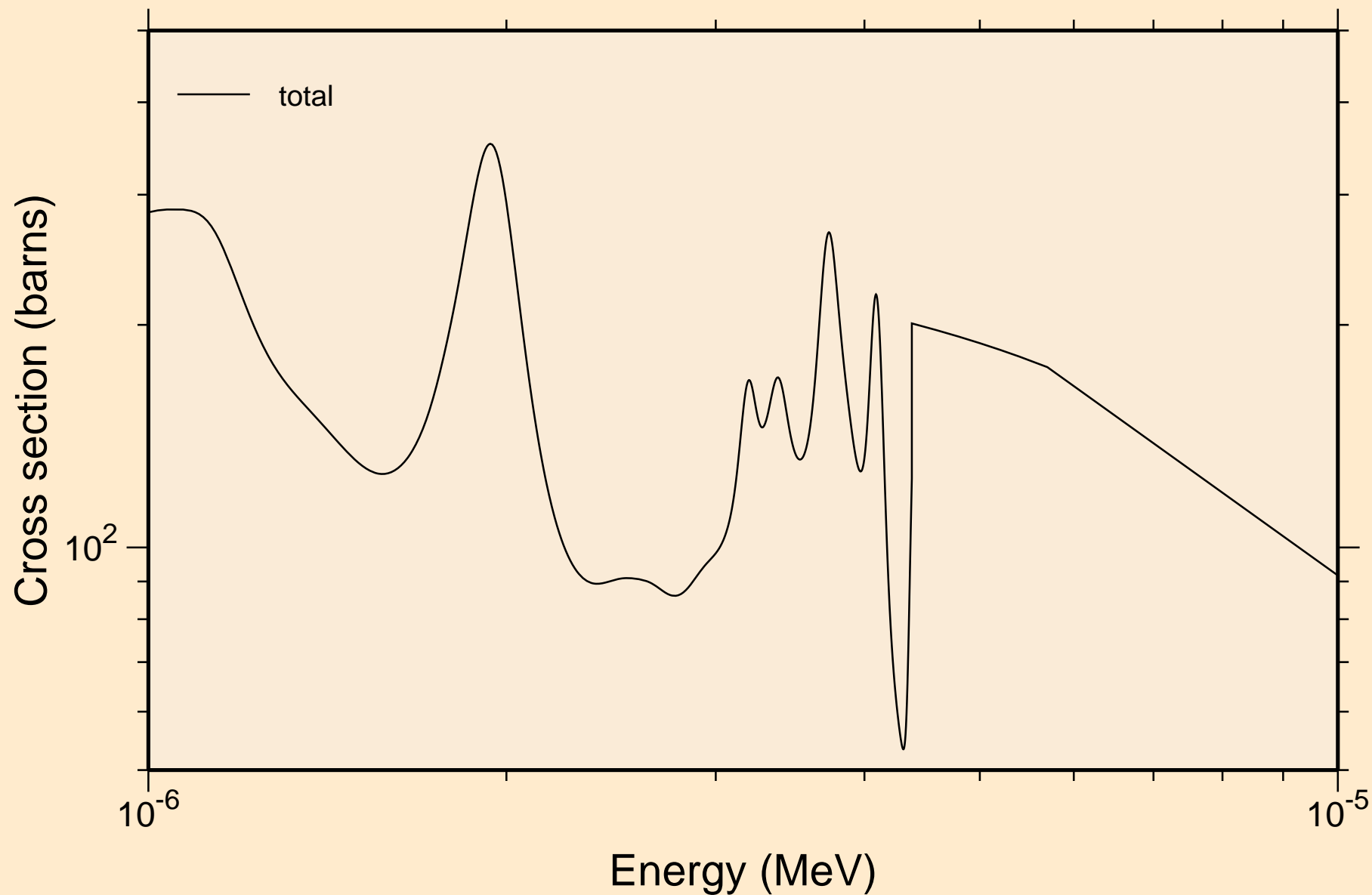
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



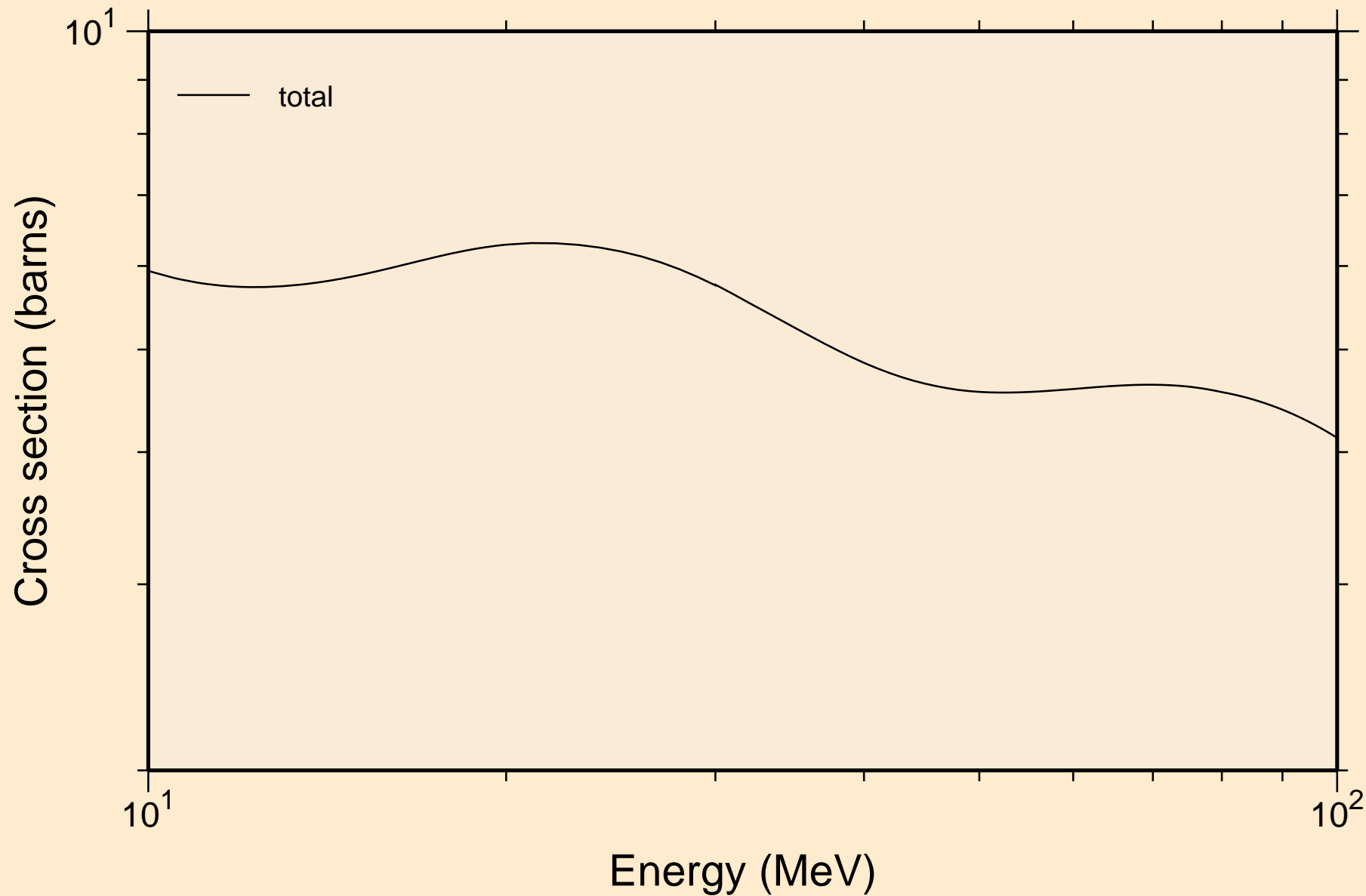
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



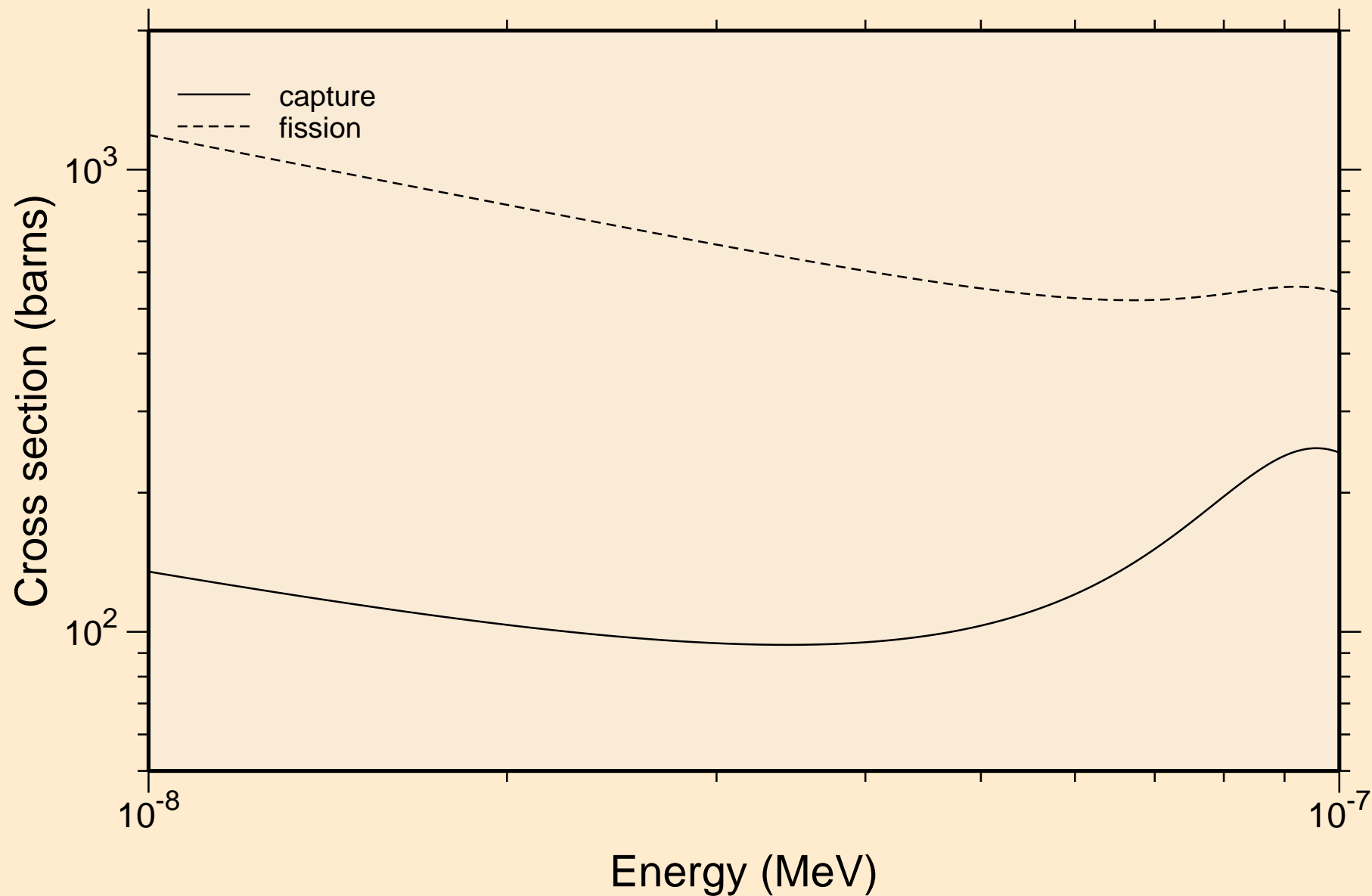
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



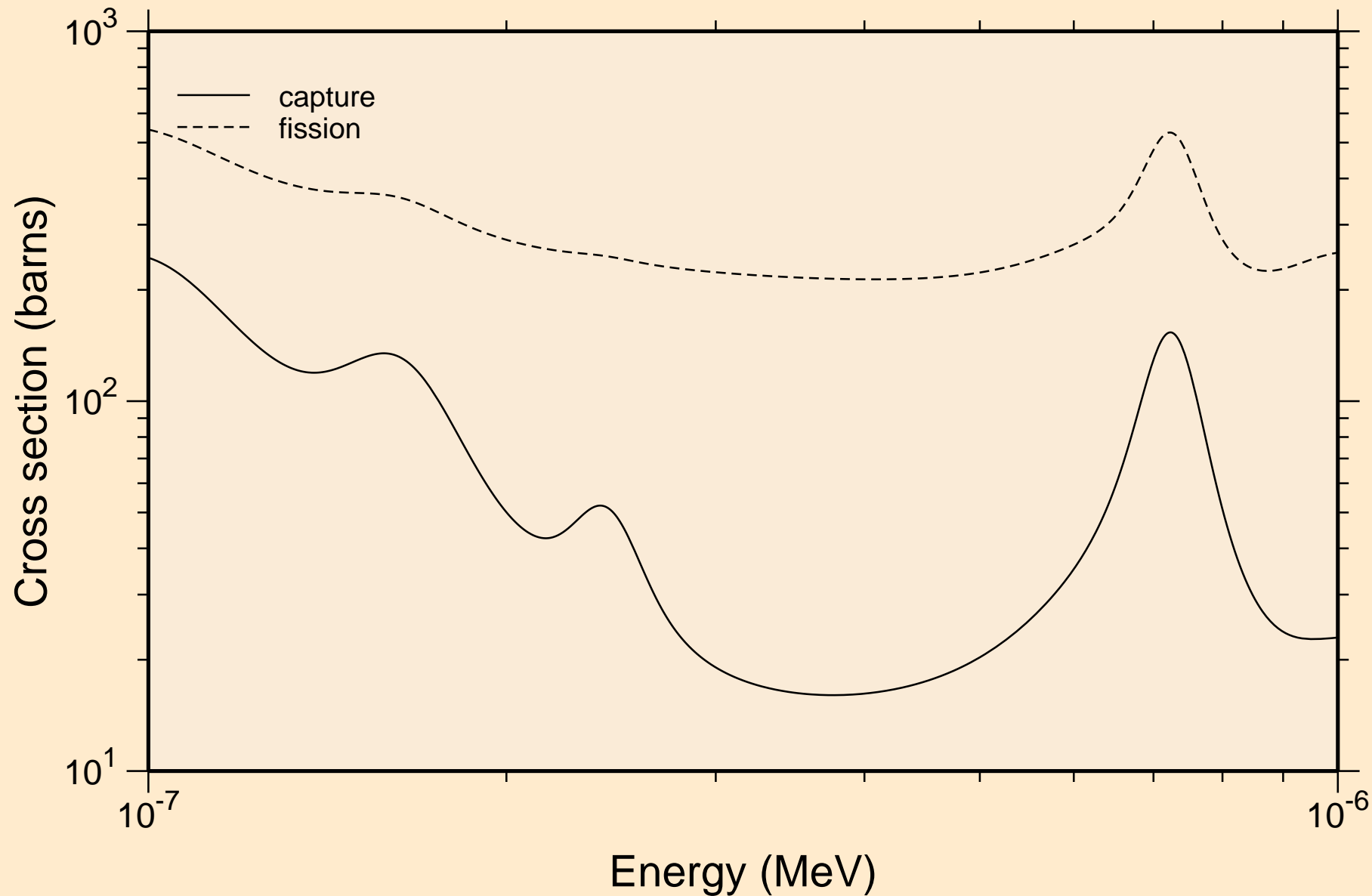
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



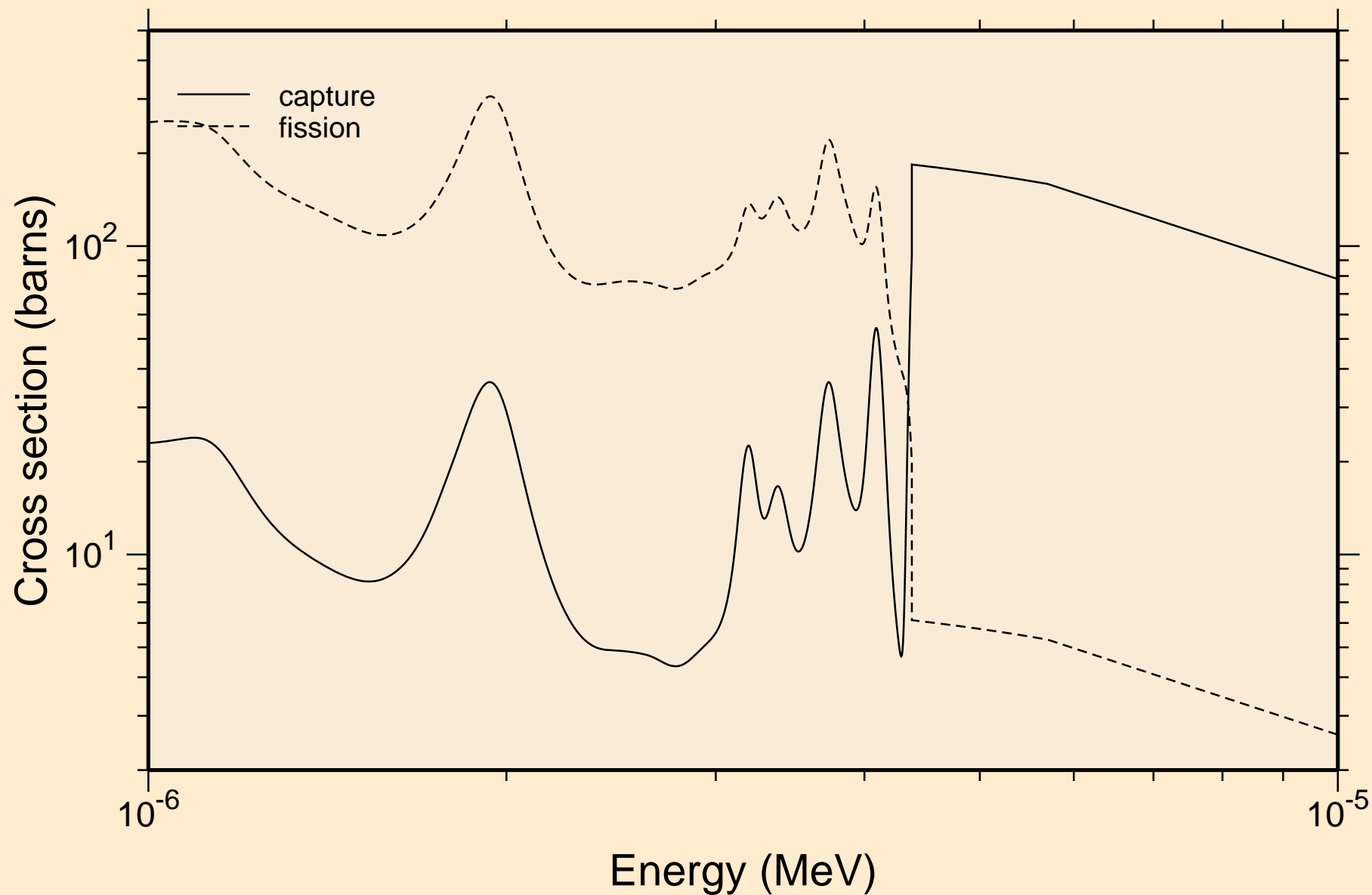
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

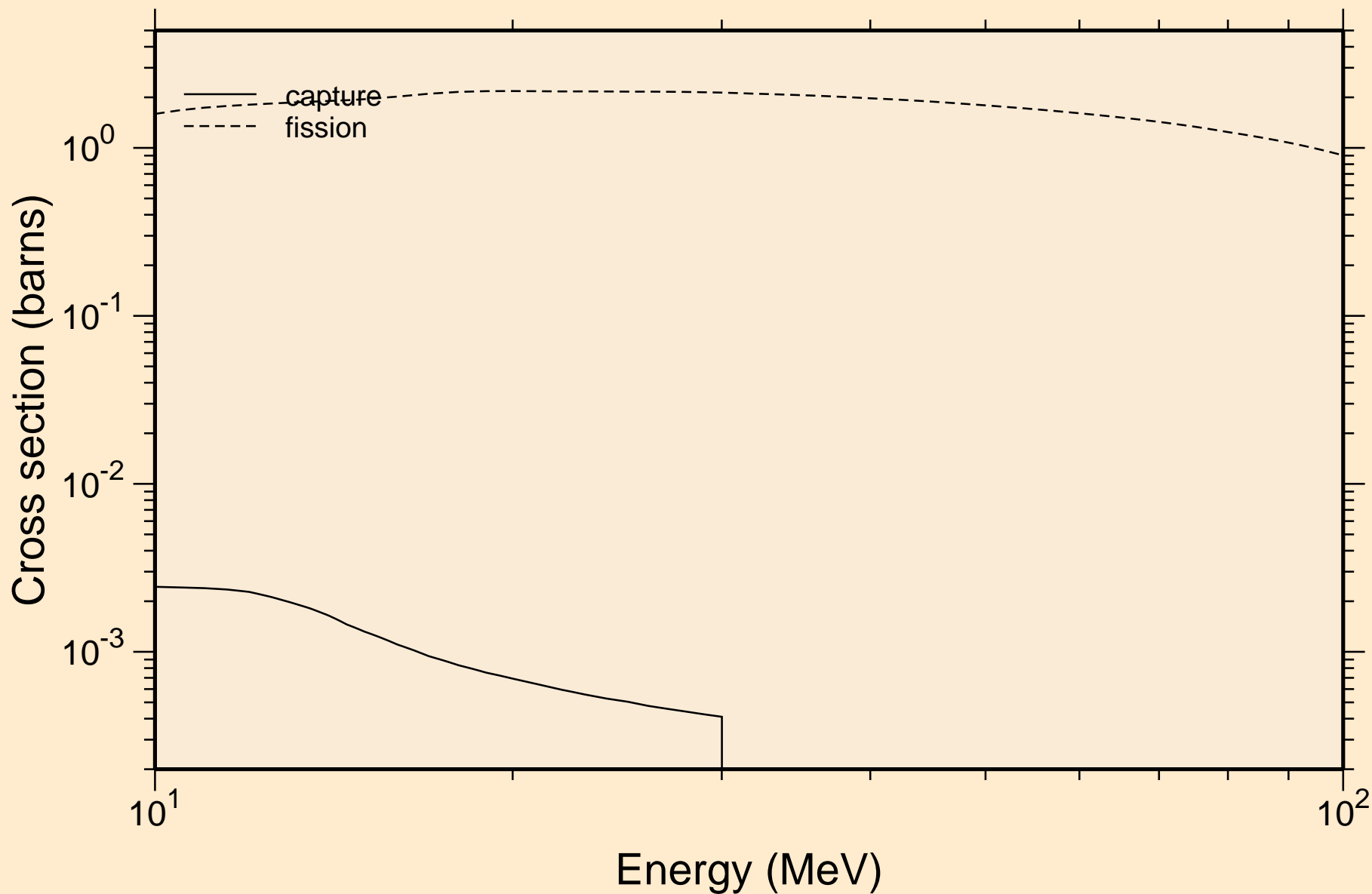


MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

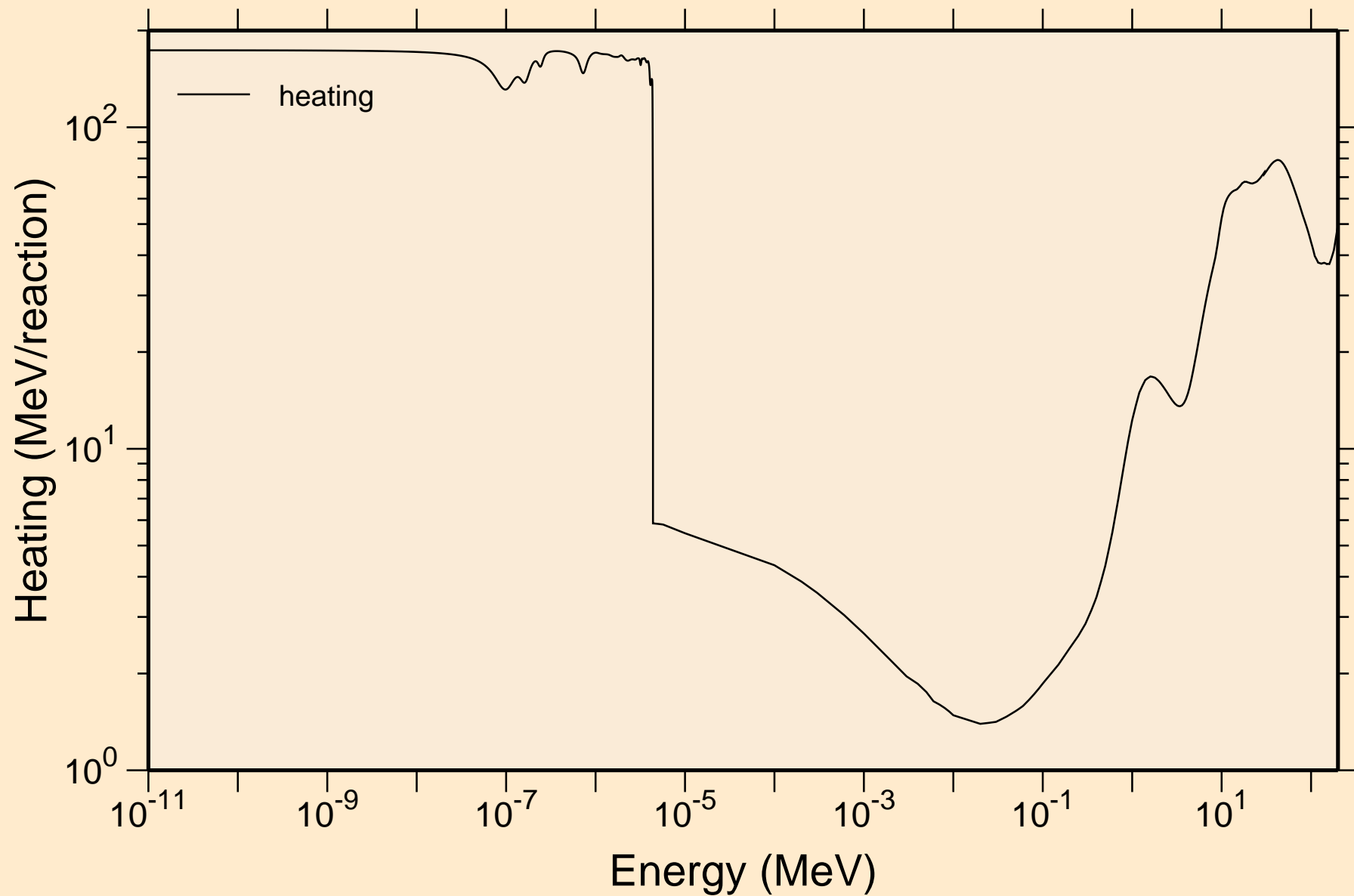




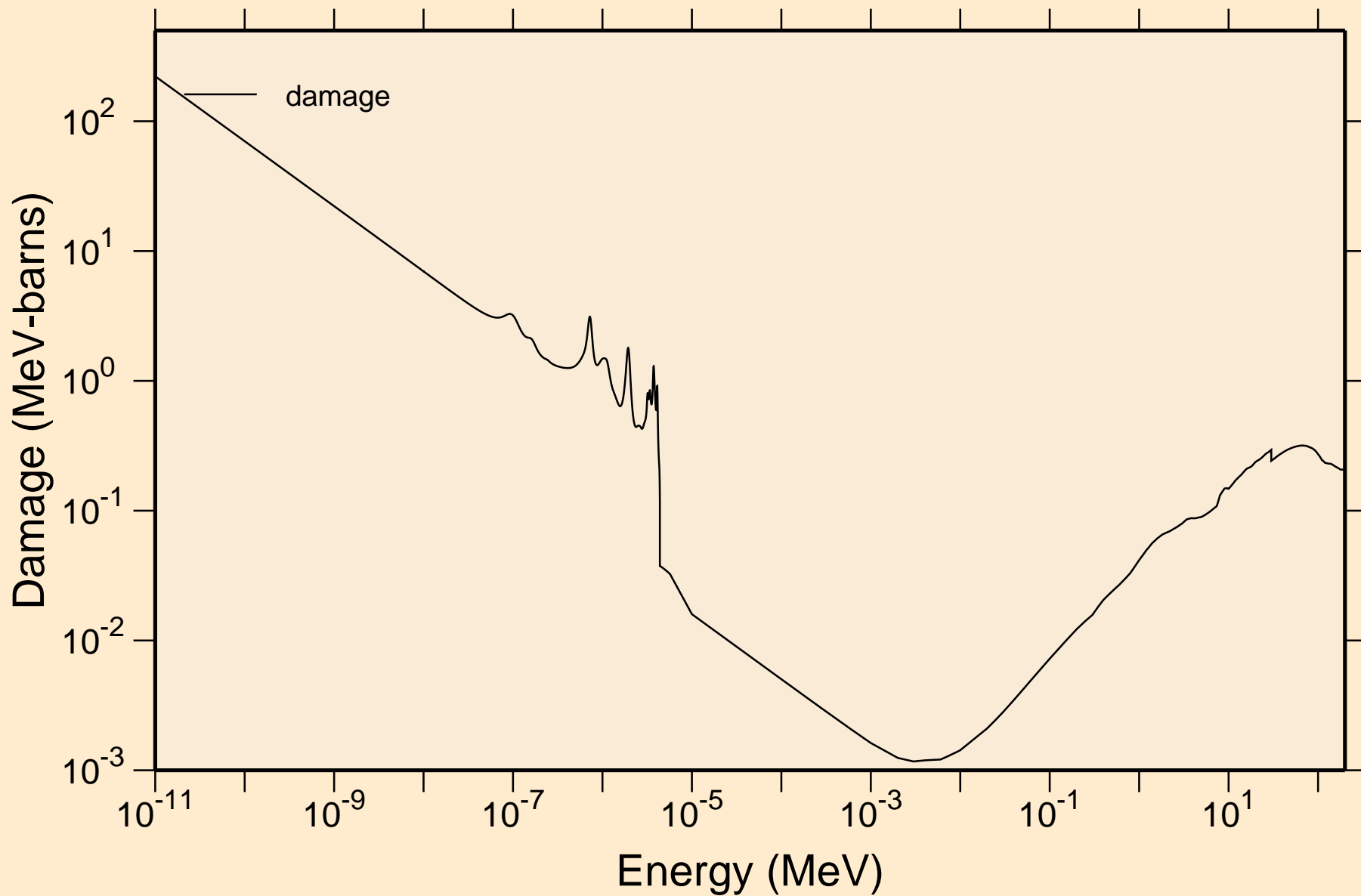
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



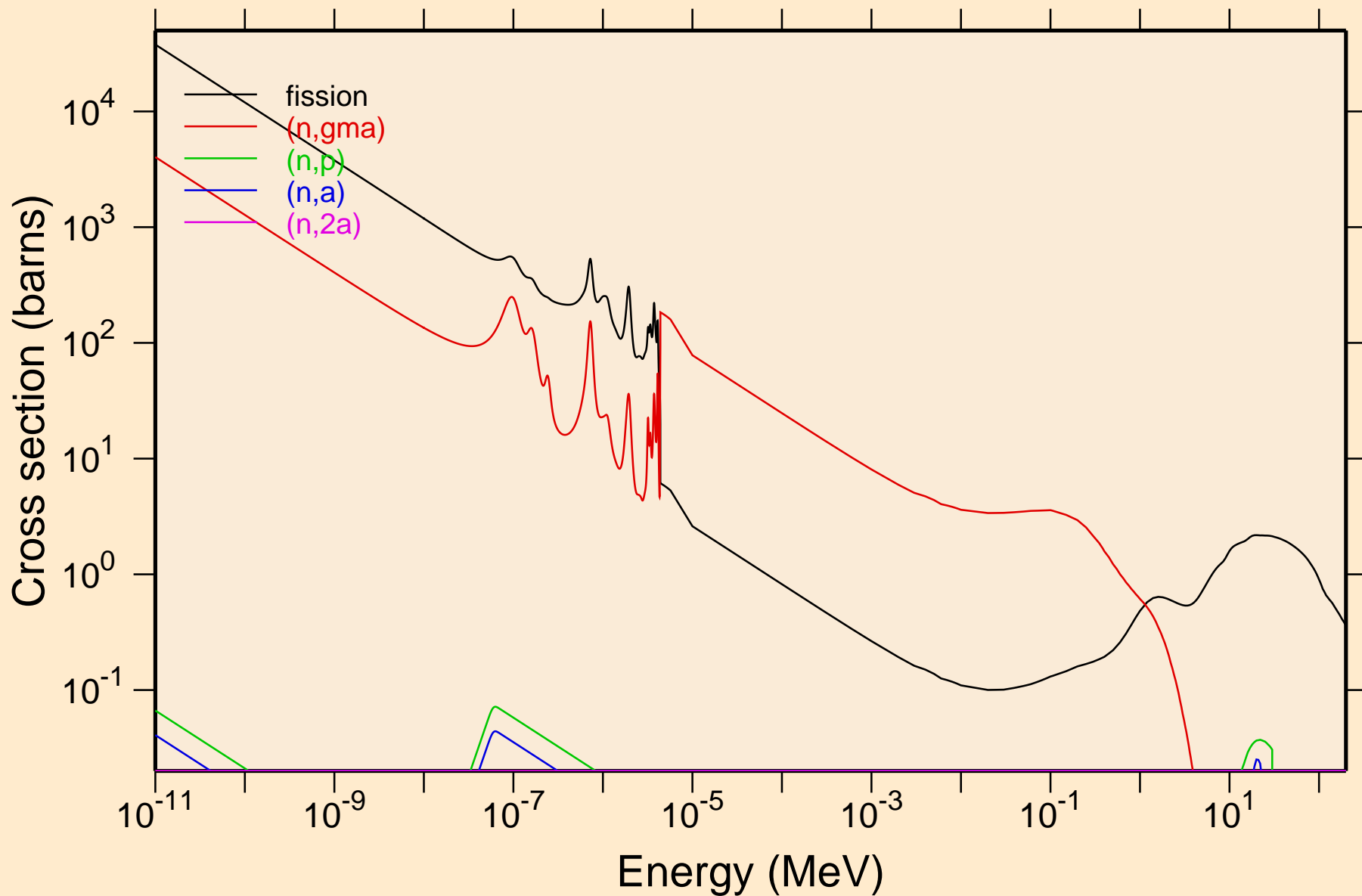
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



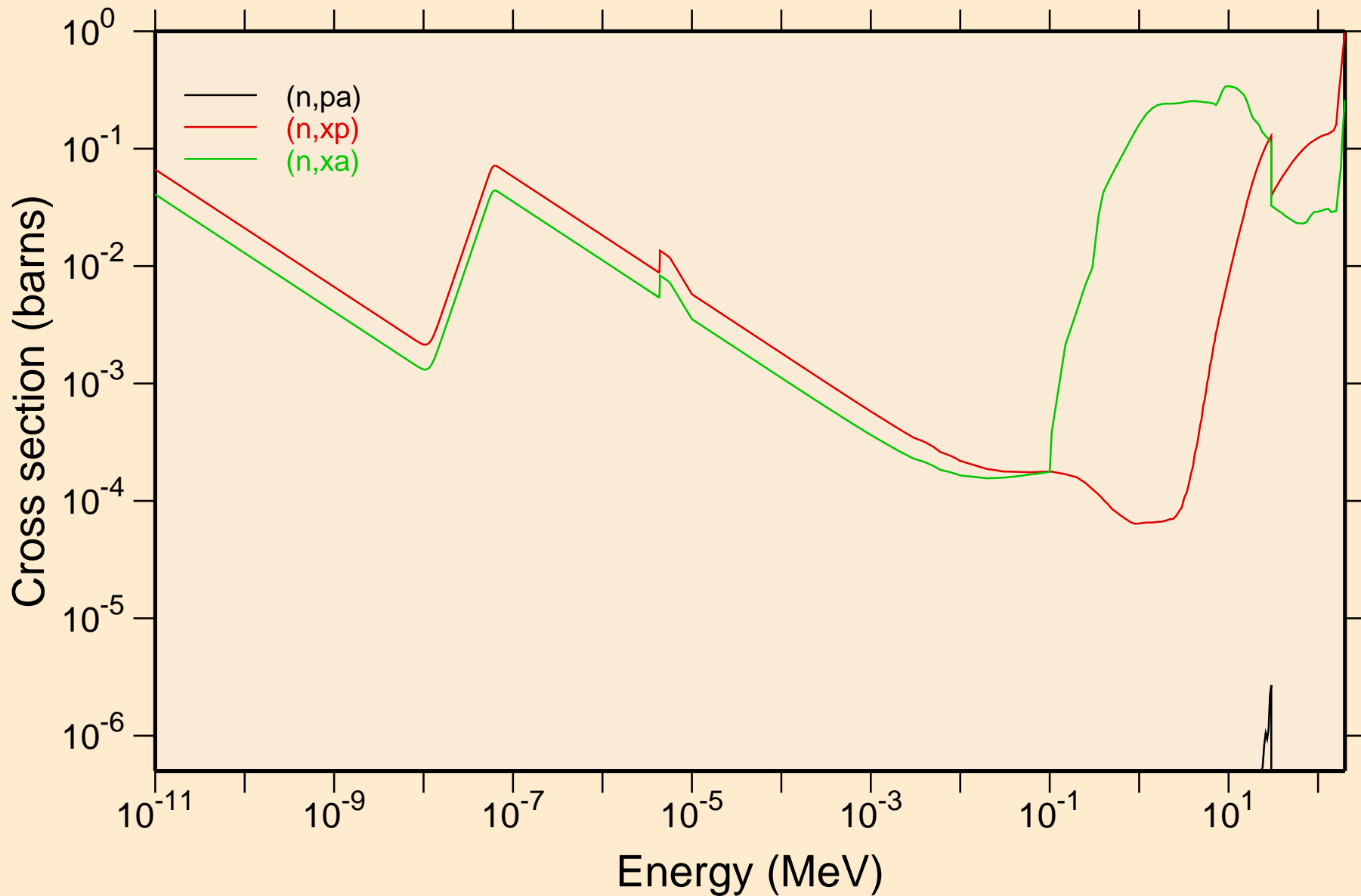
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



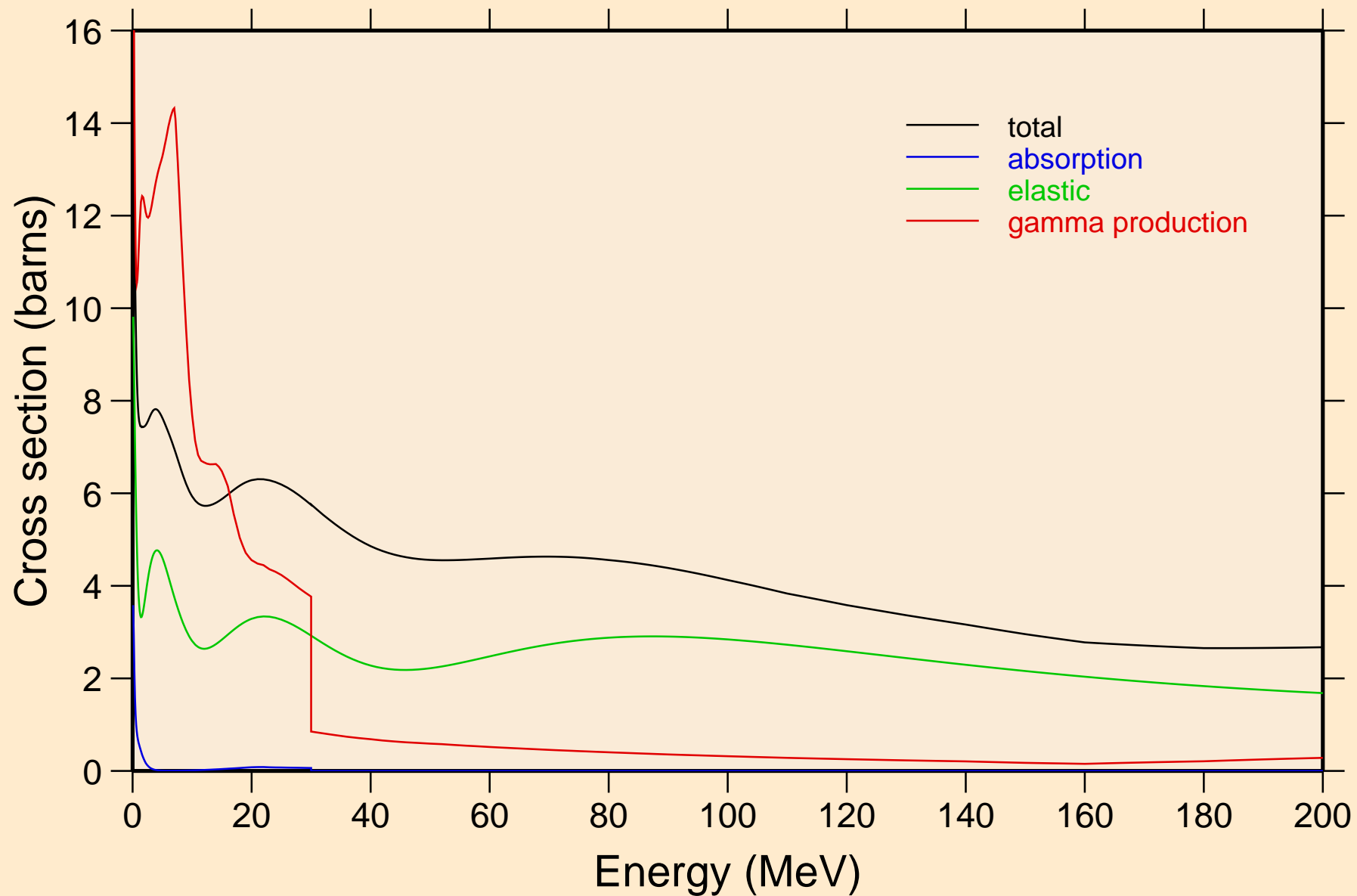
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



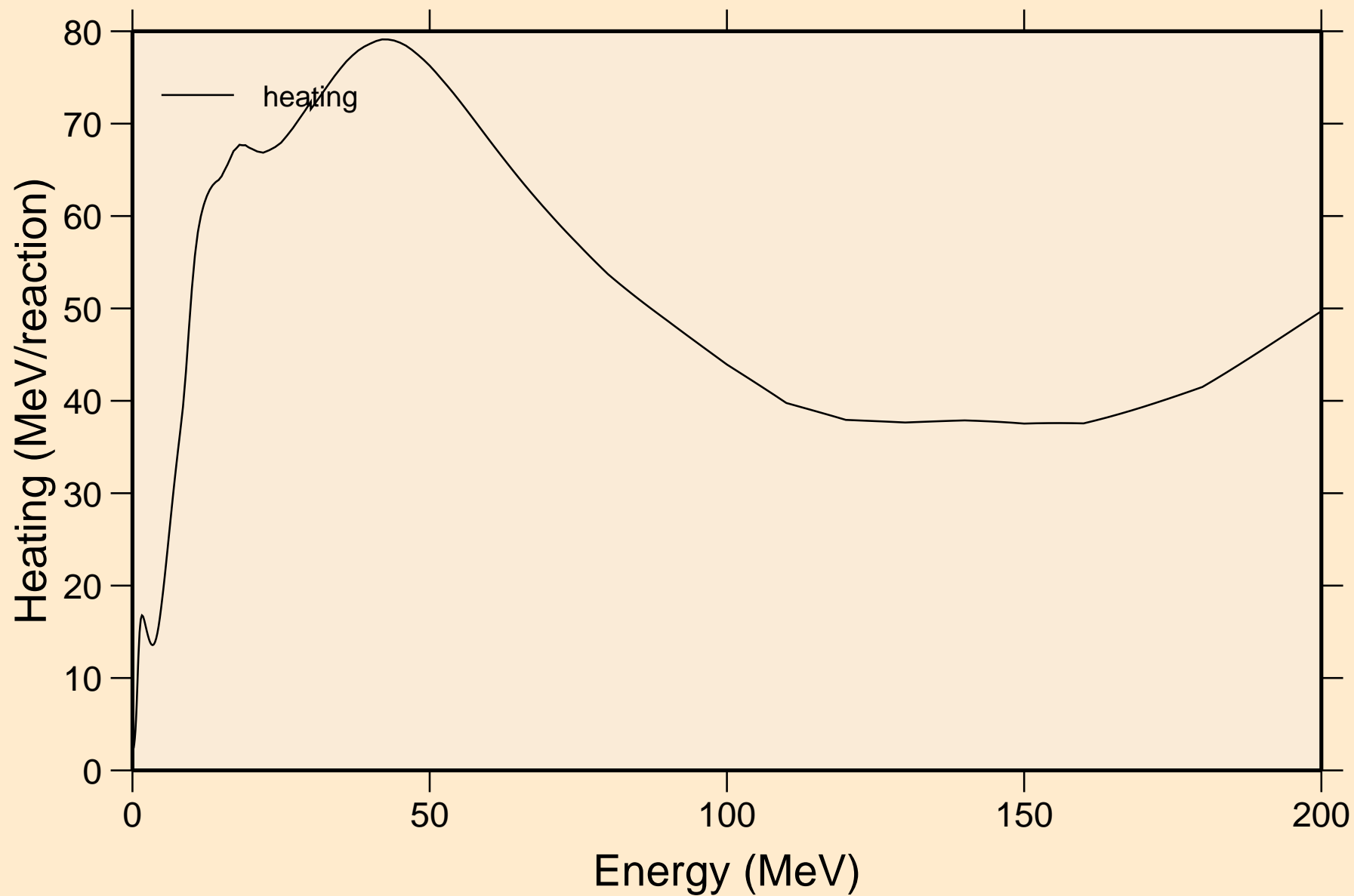
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



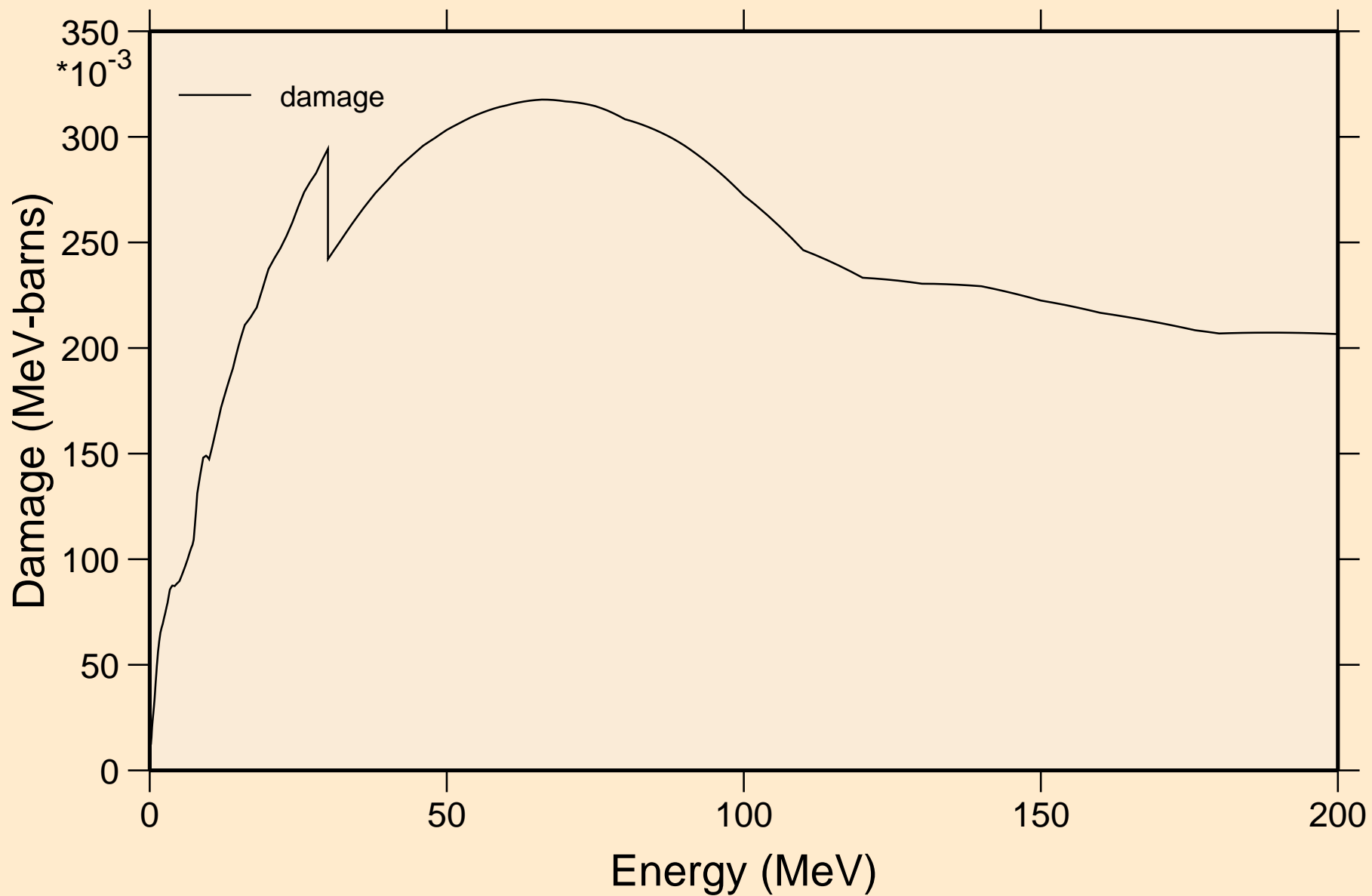
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



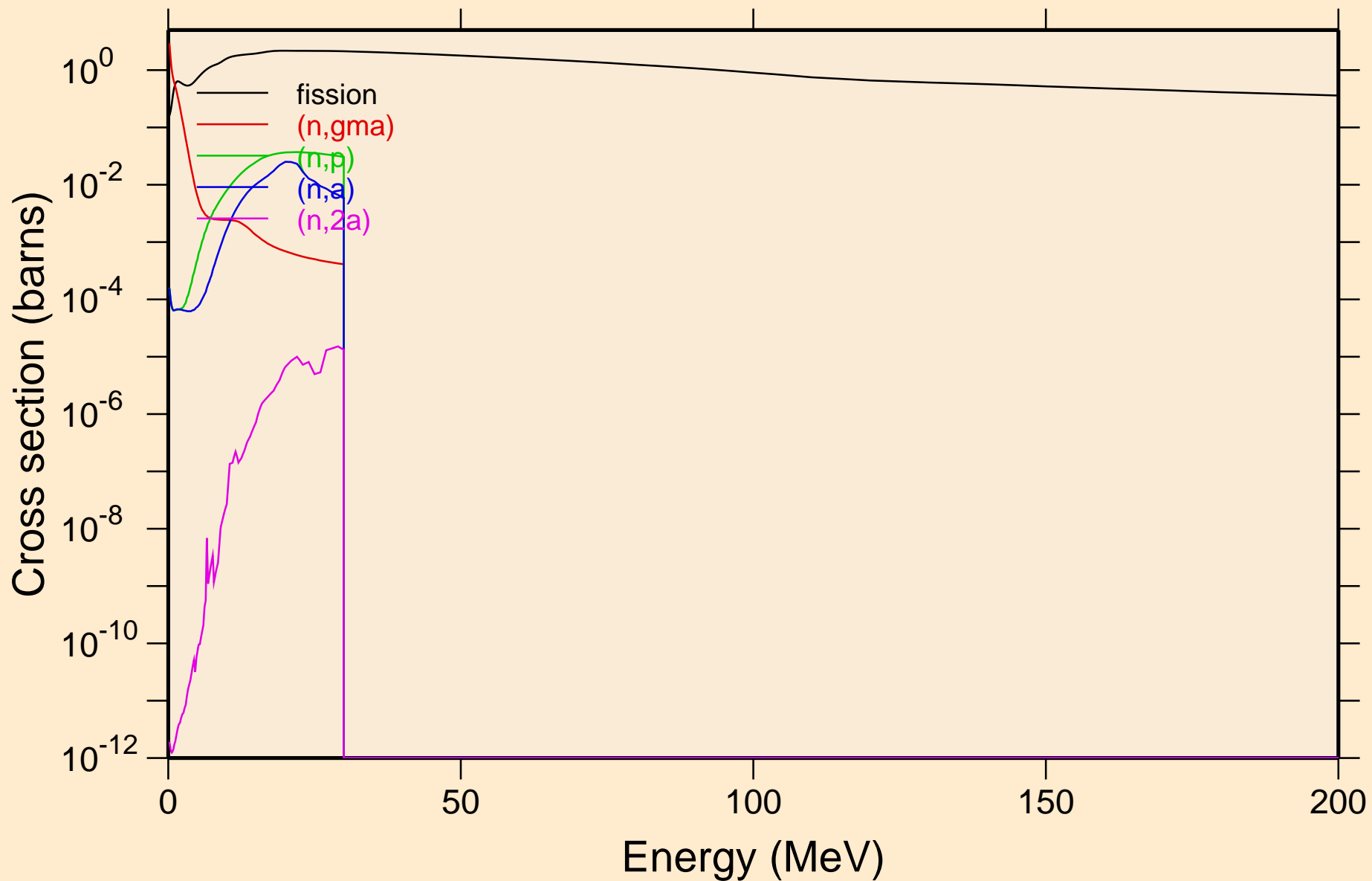
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



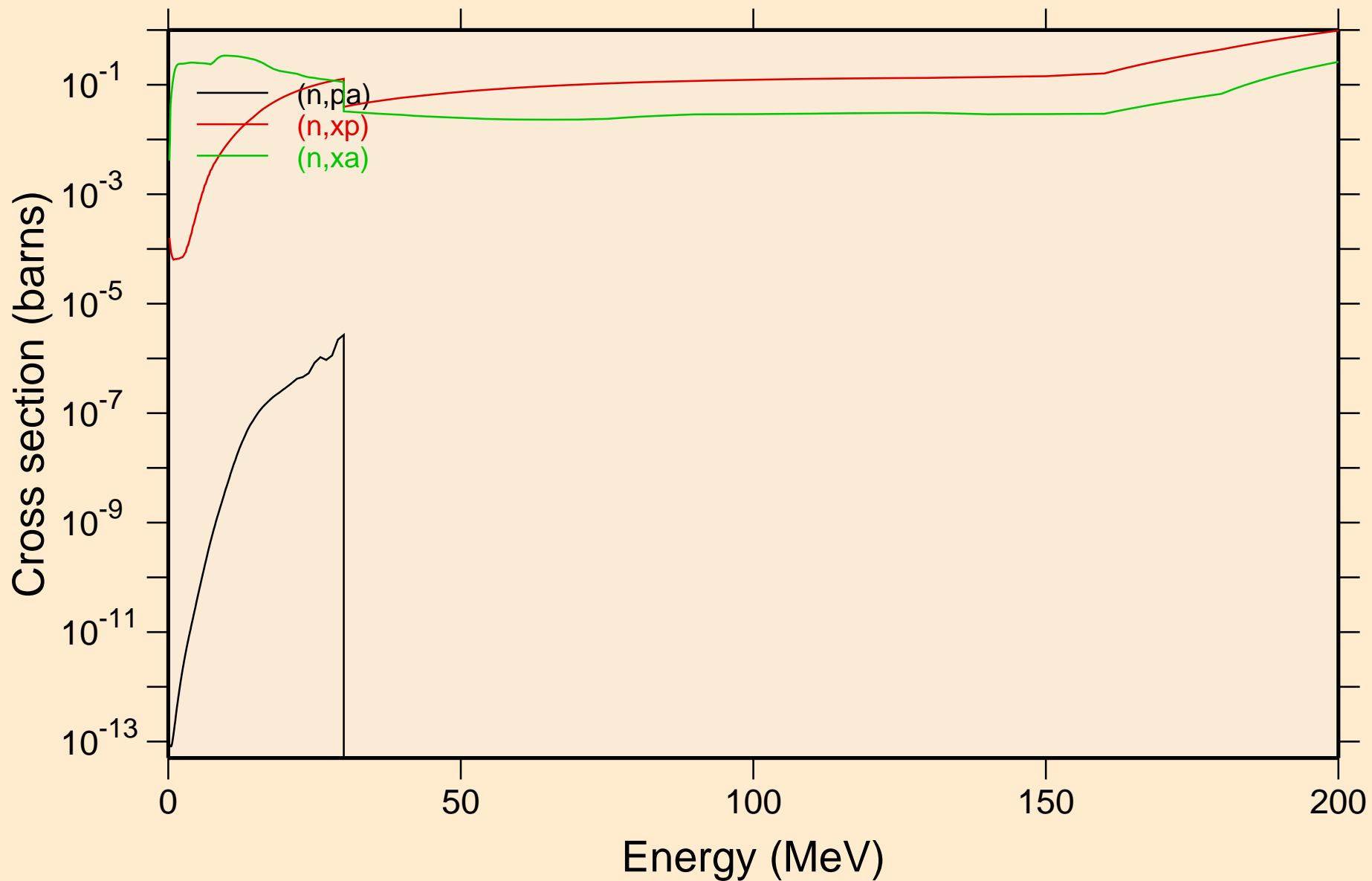


# MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

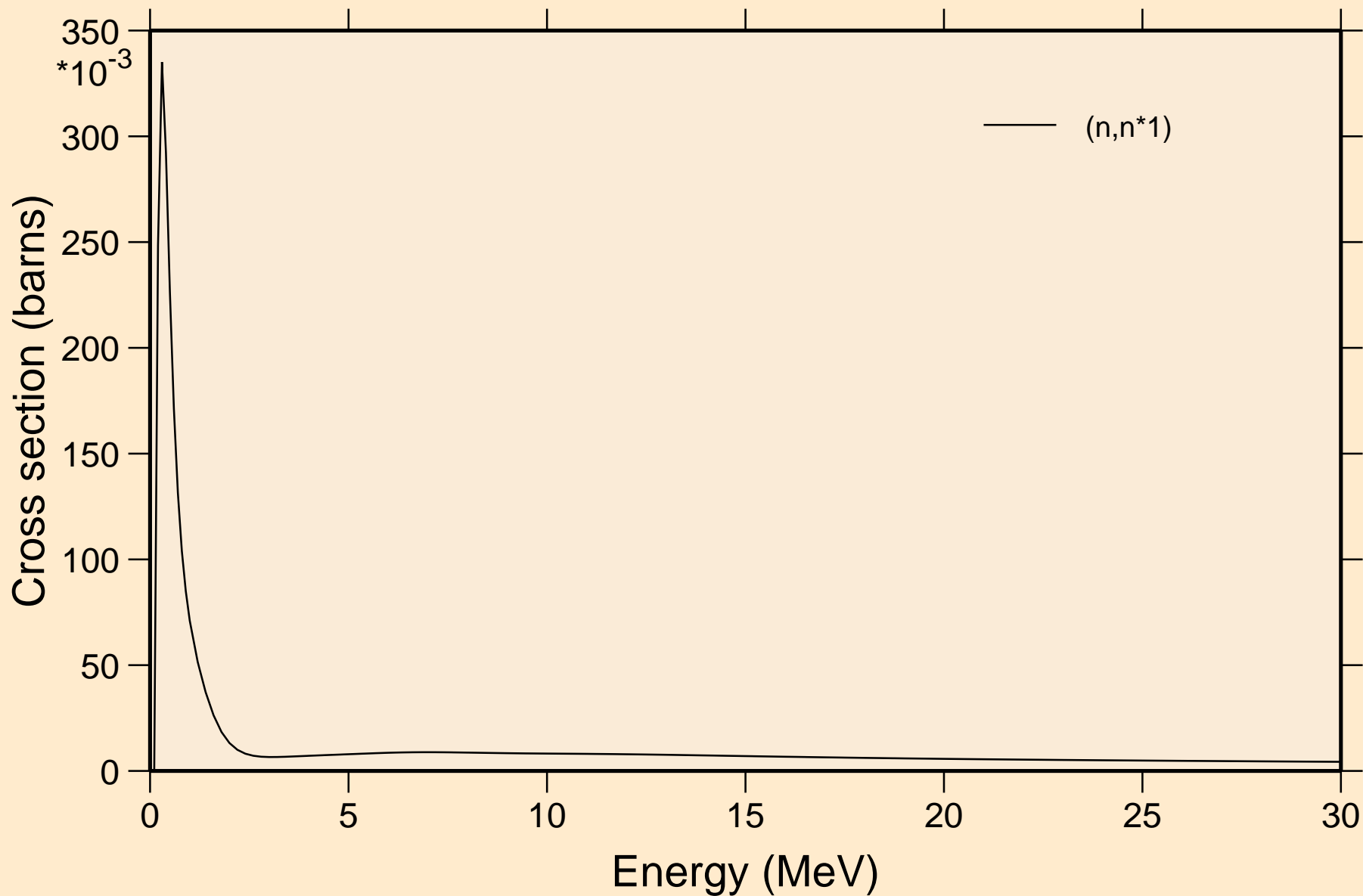
## Non-threshold reactions



MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

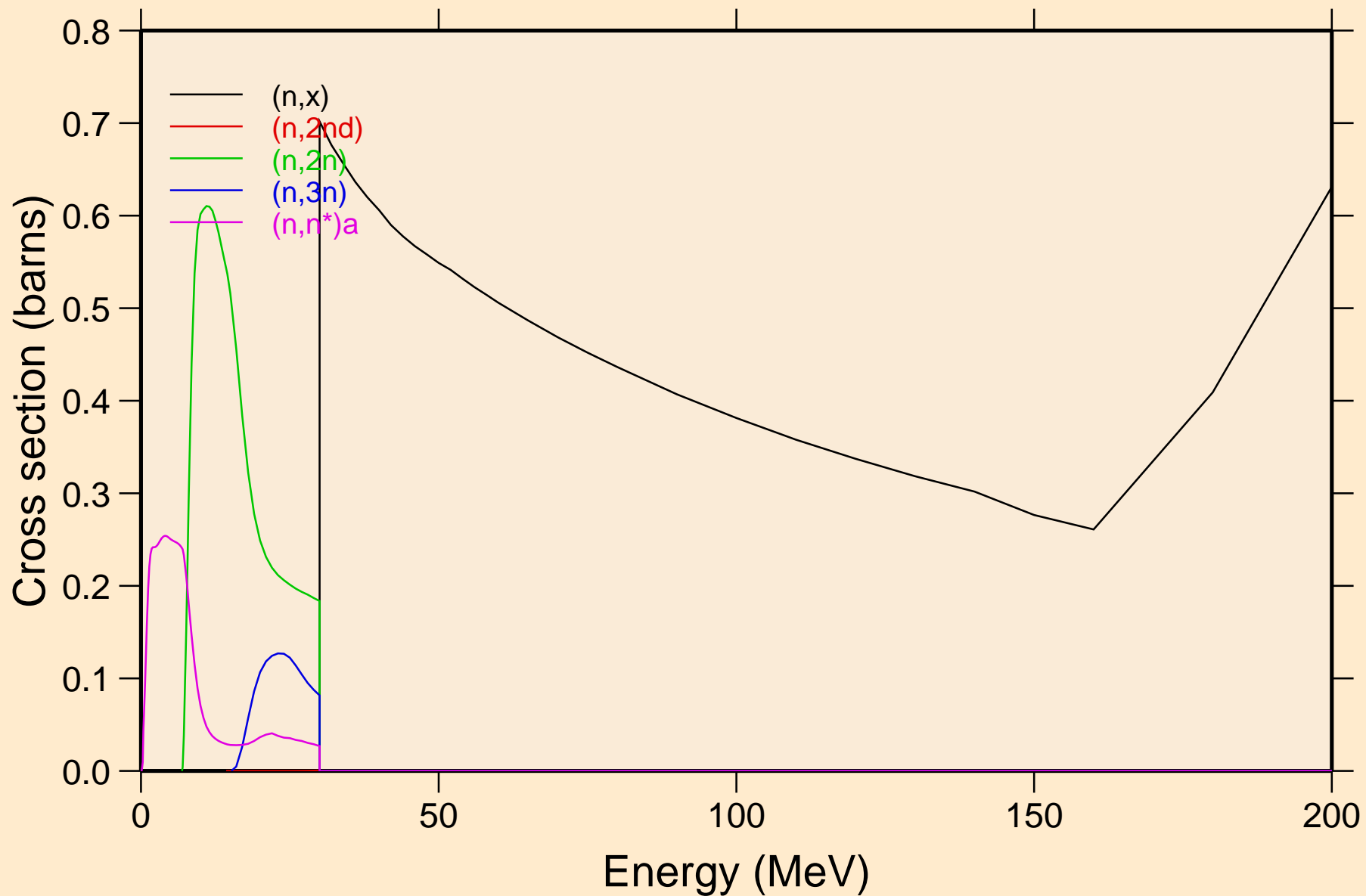


MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

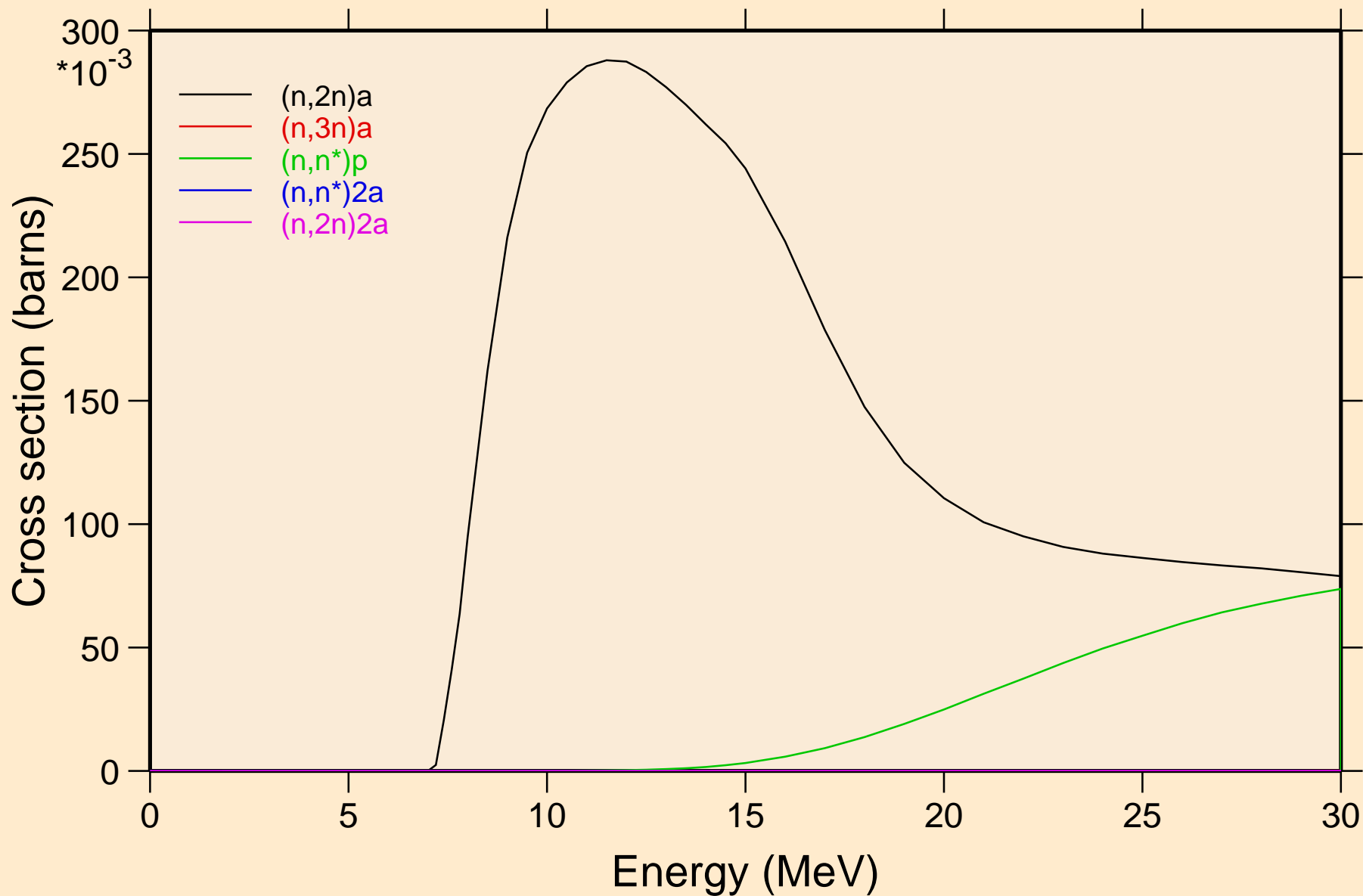


# MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

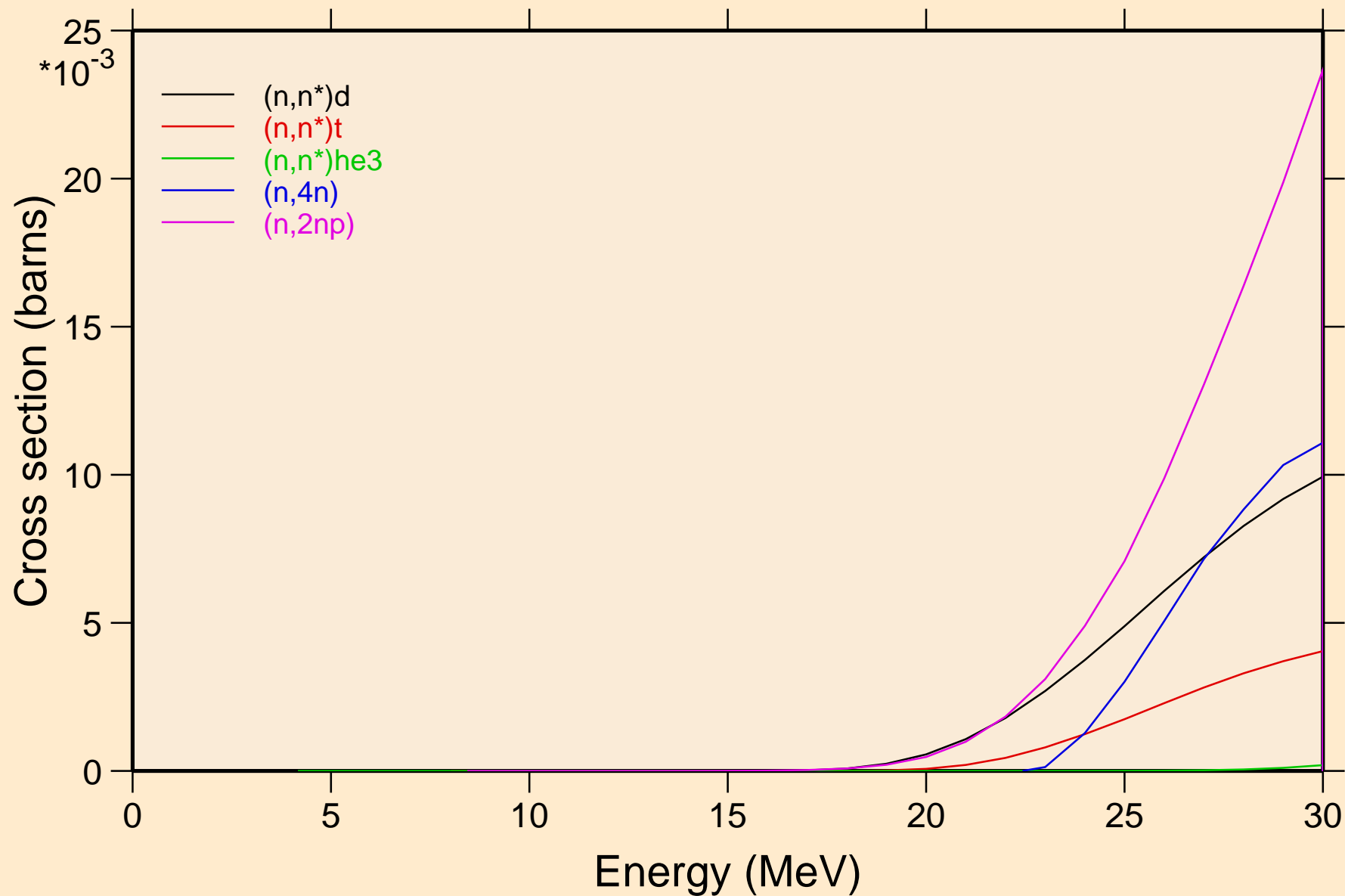
## Threshold reactions



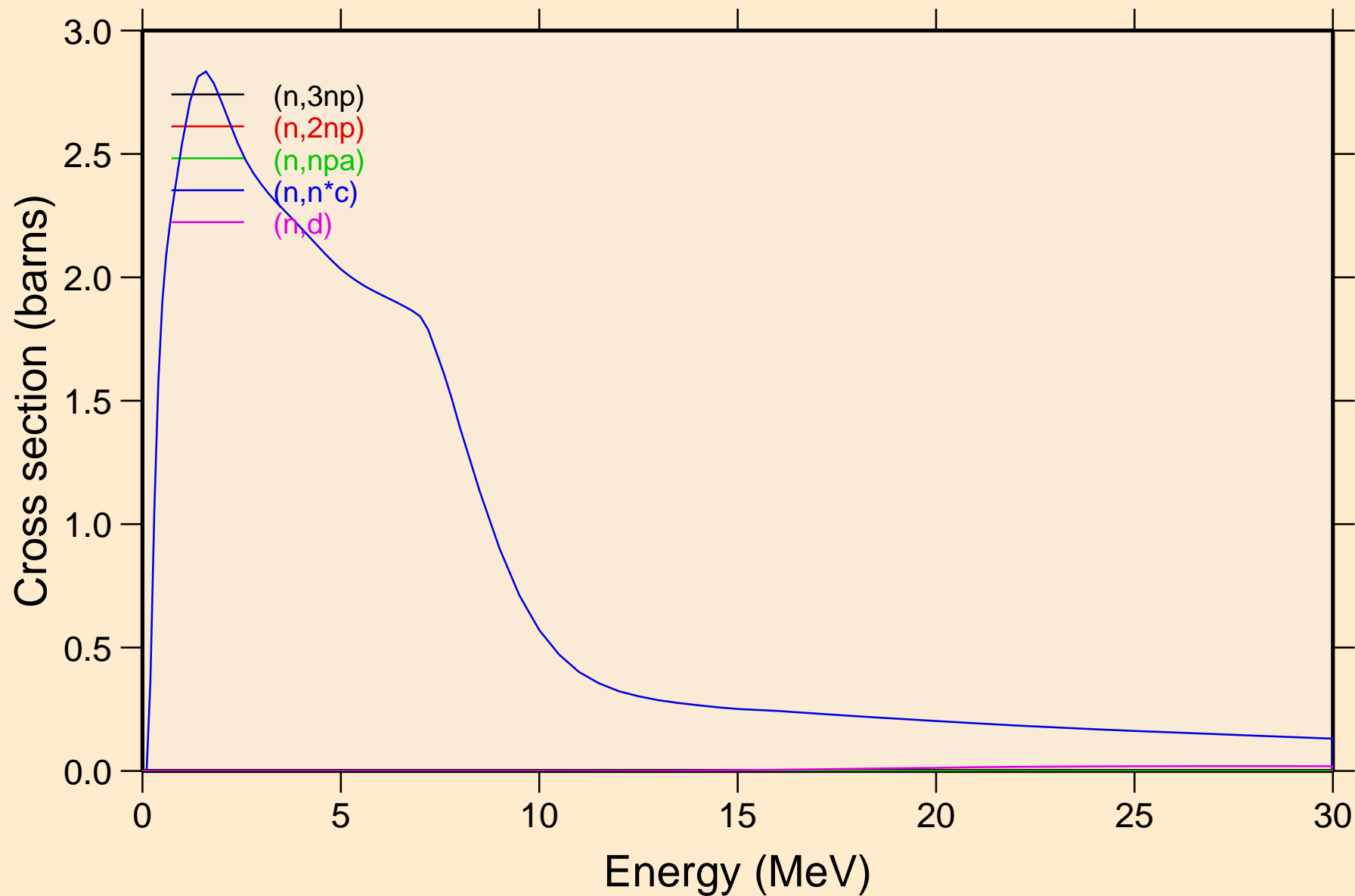
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



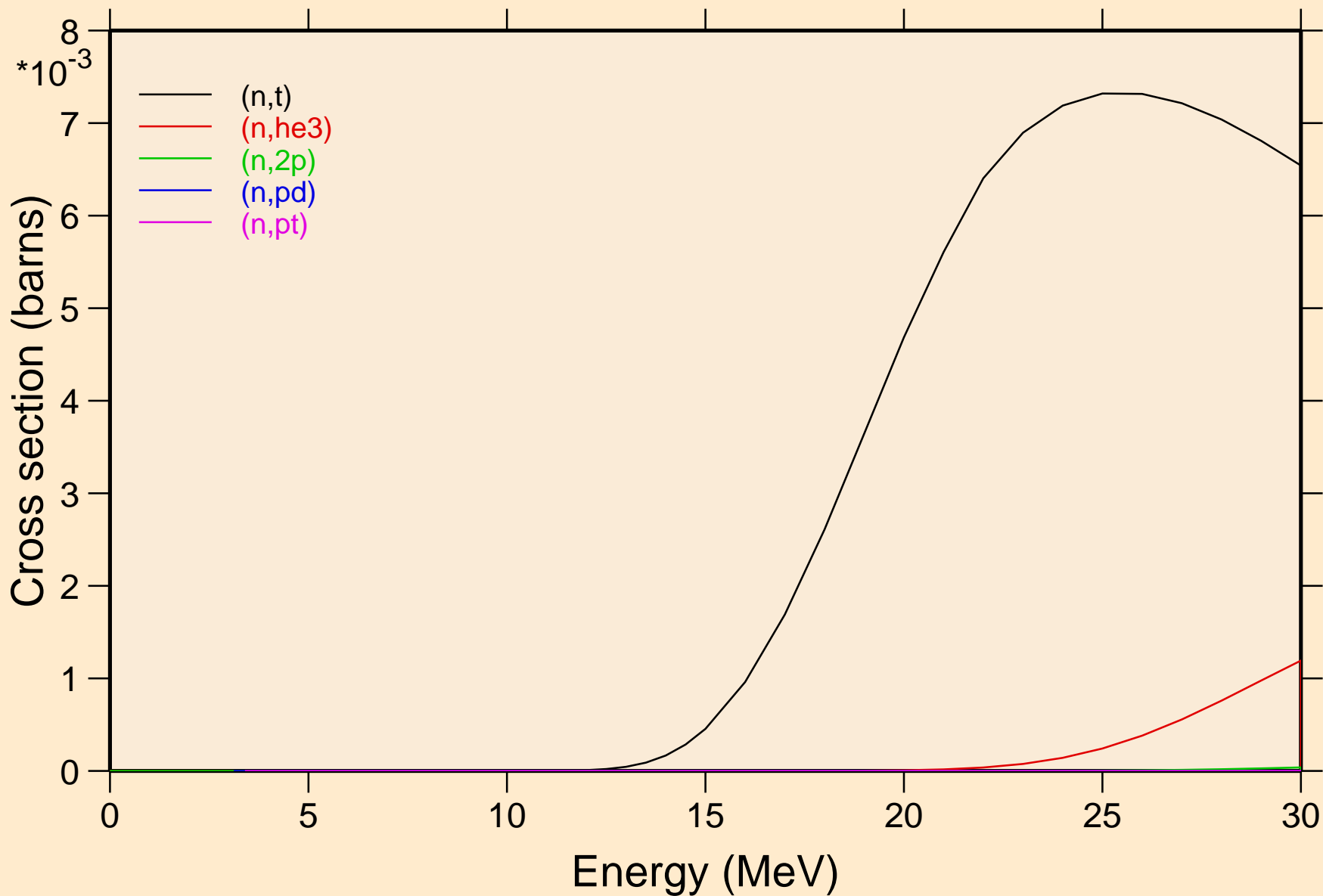
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

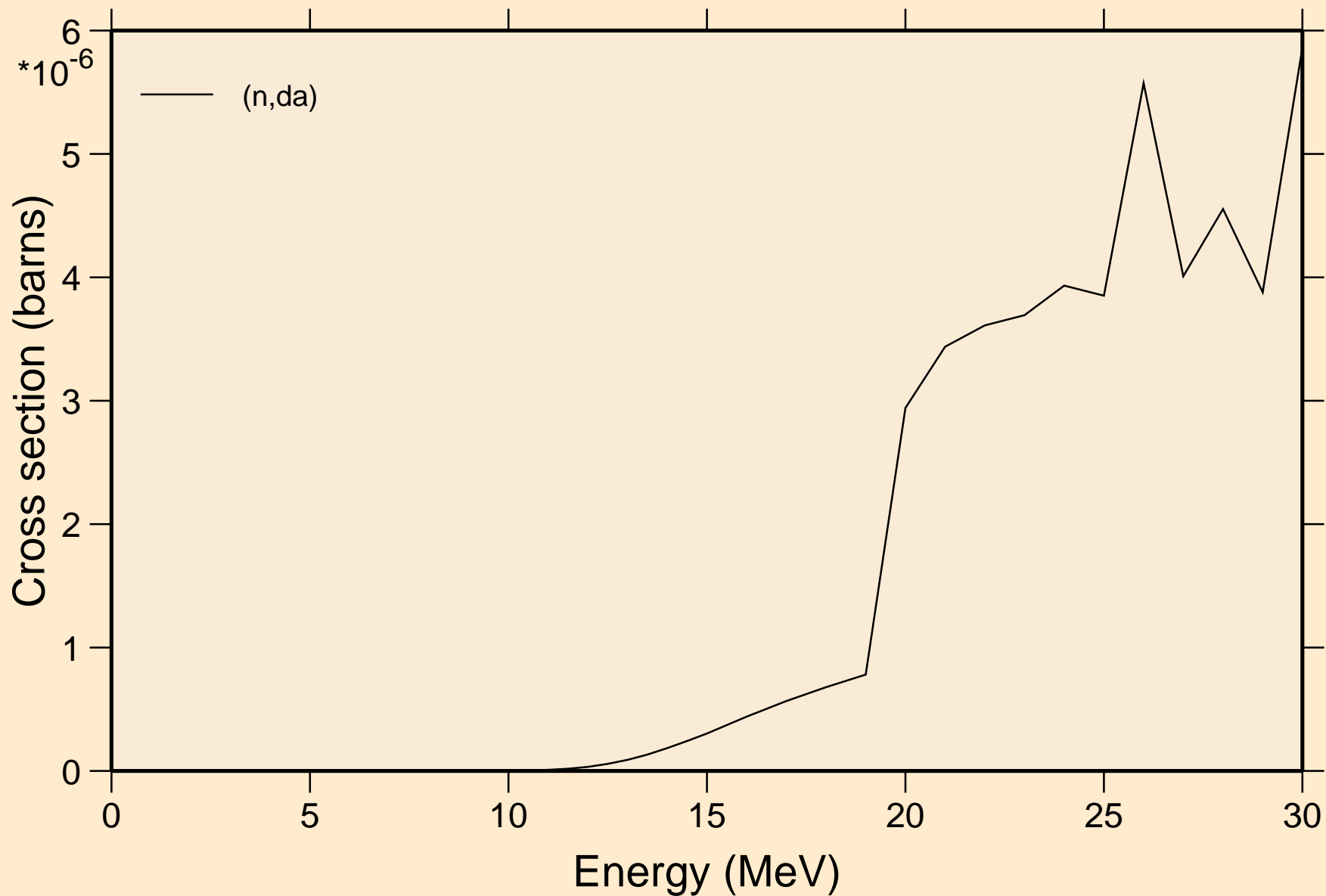


MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

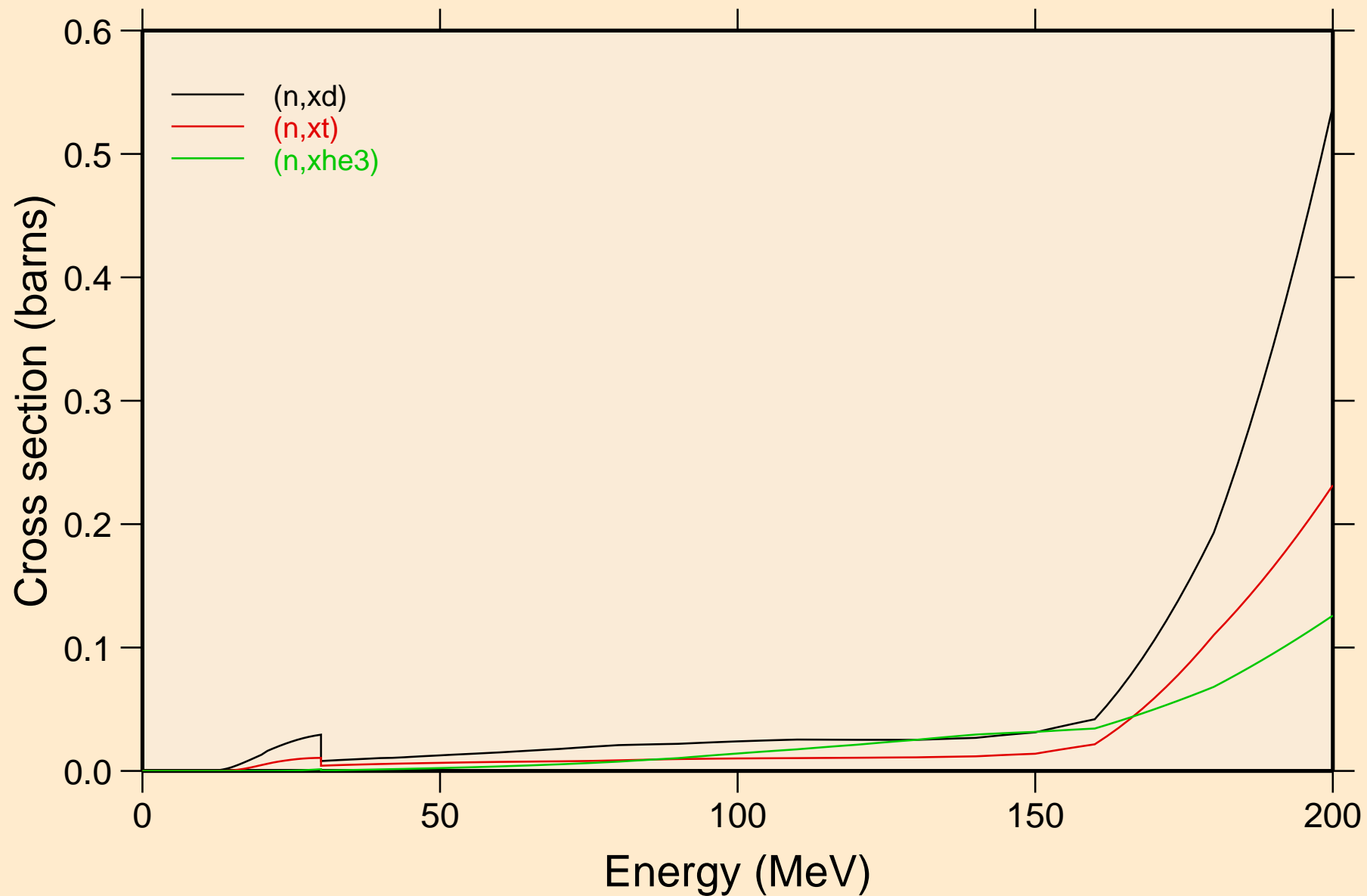




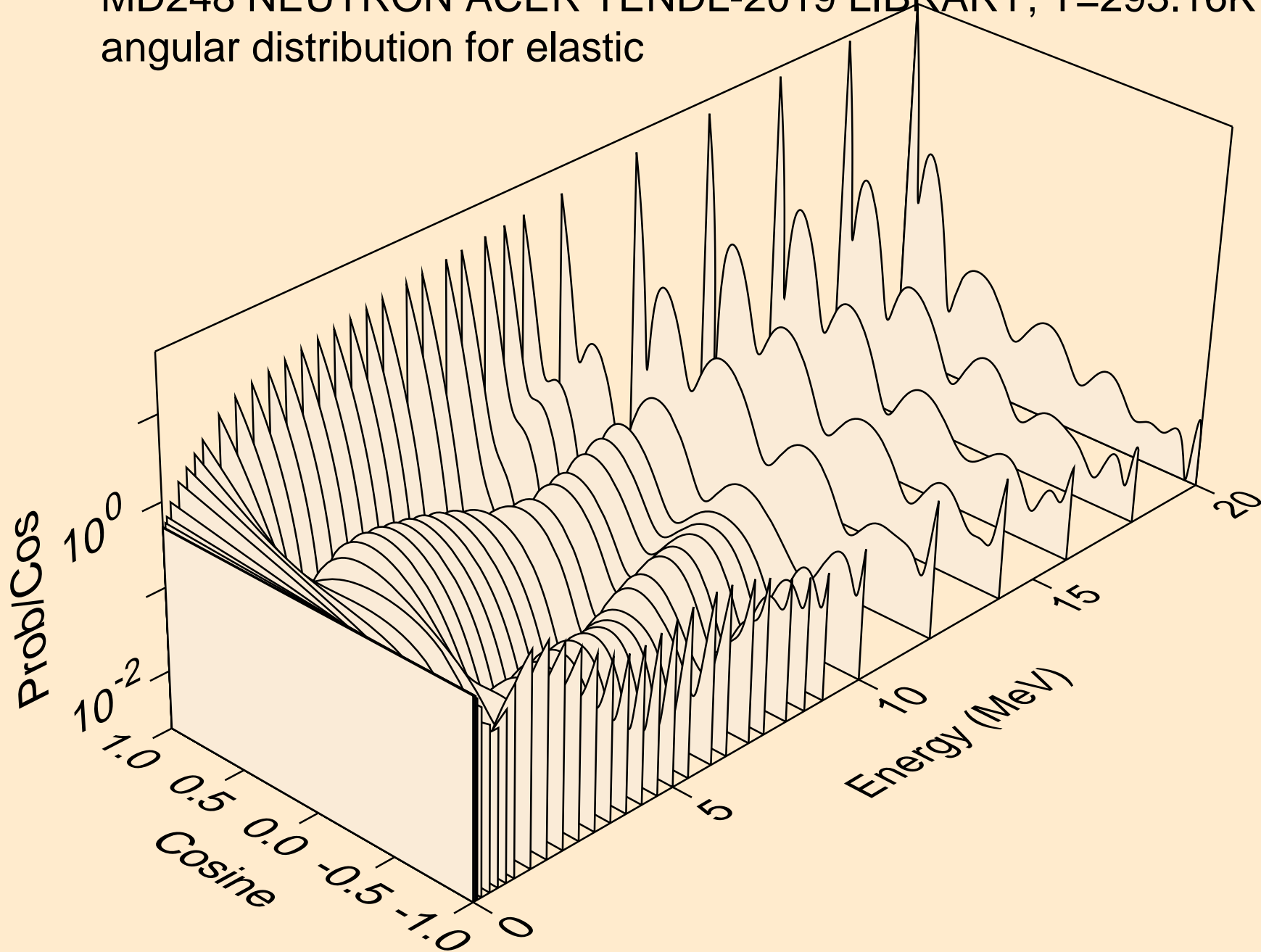
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



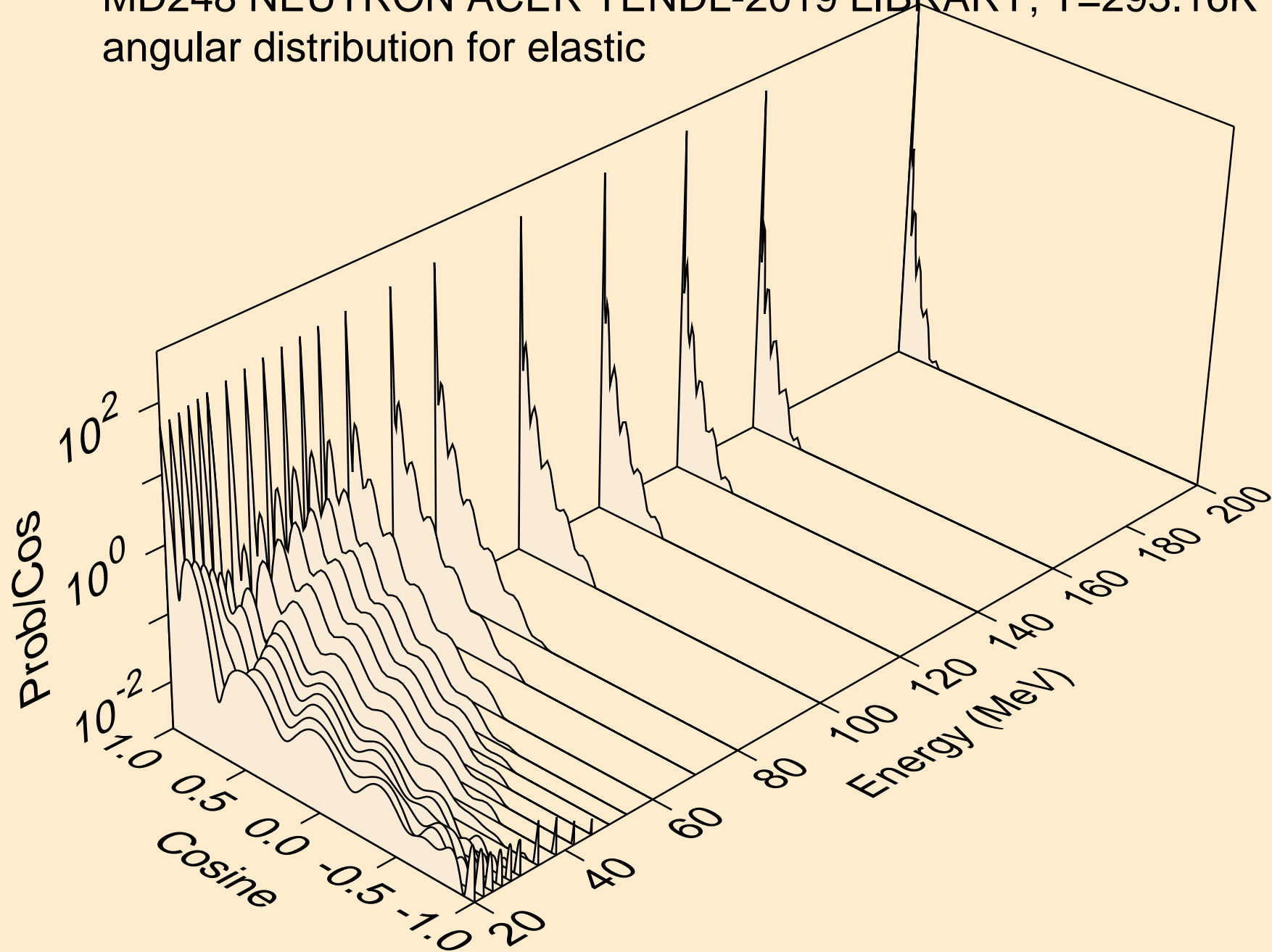
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



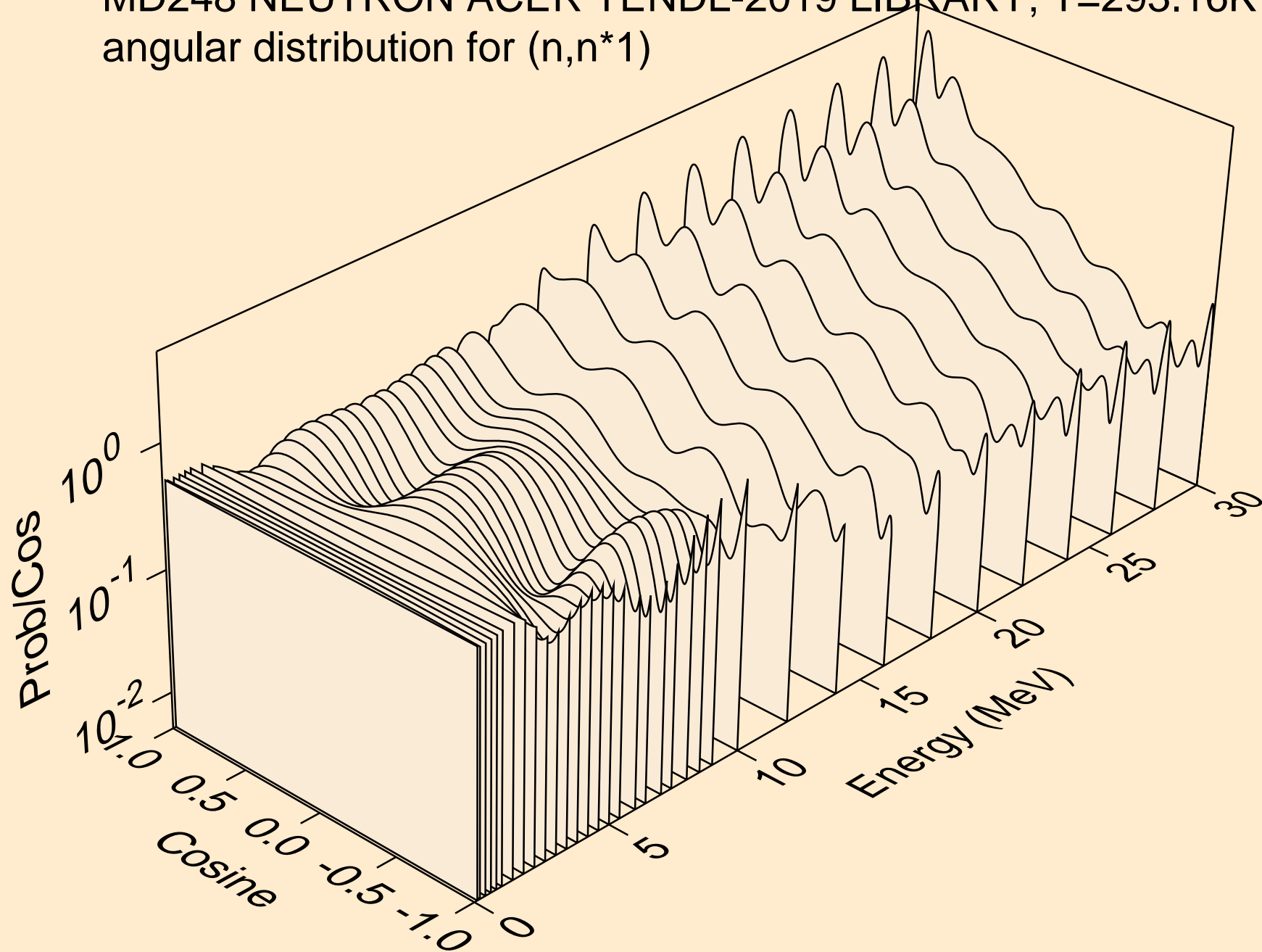
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



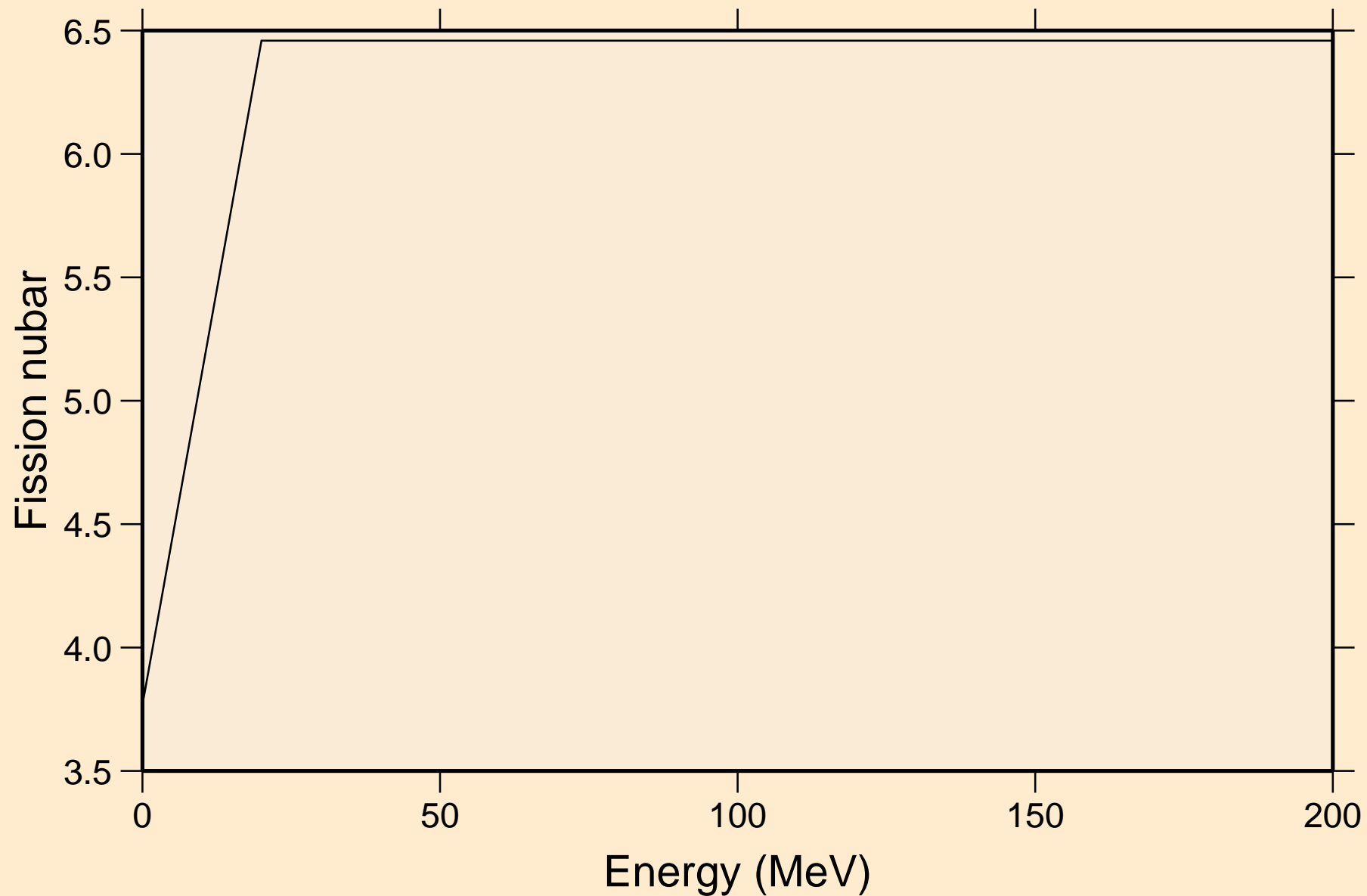
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



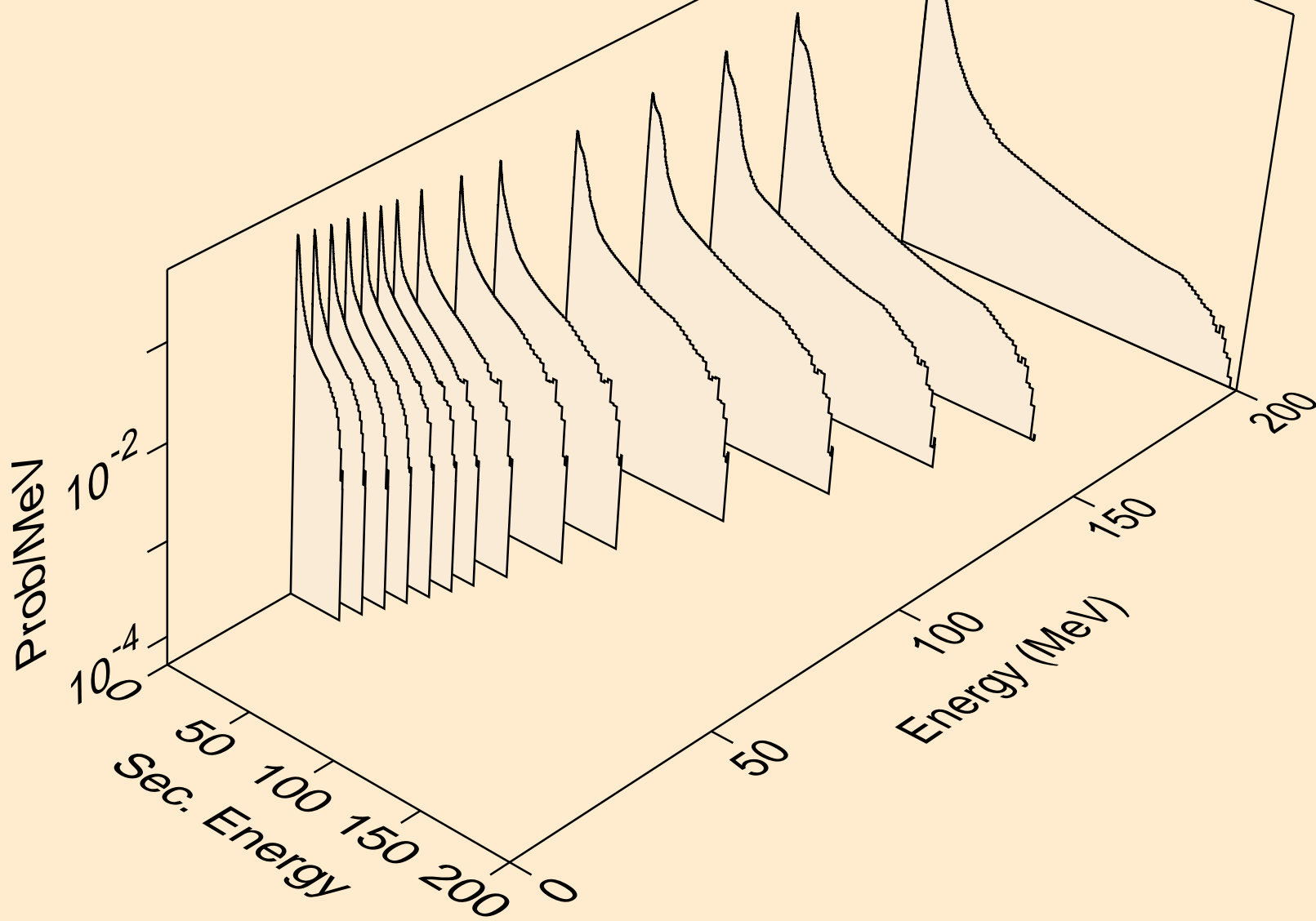
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)



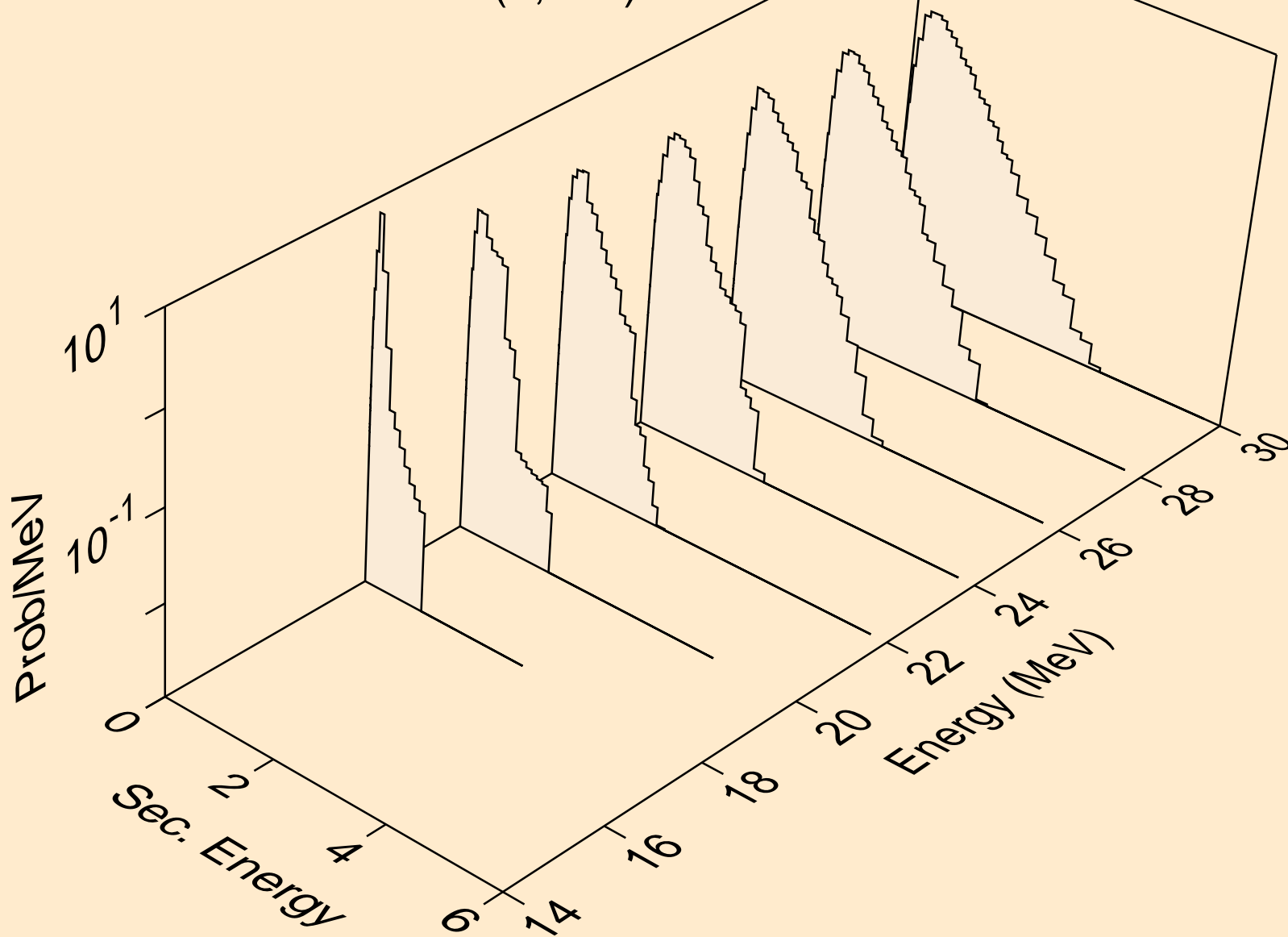
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Total fission nubar



MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)

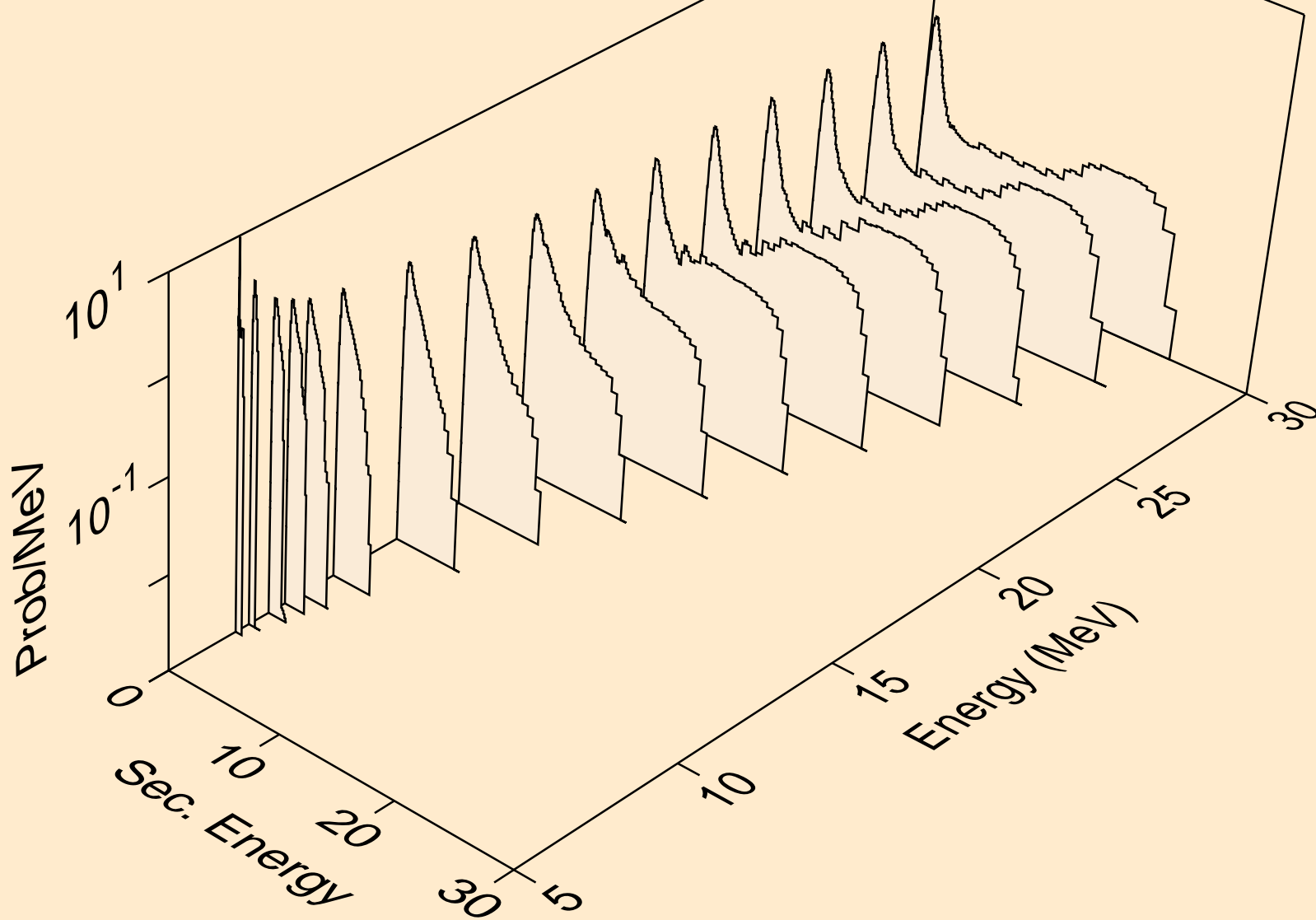


MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)

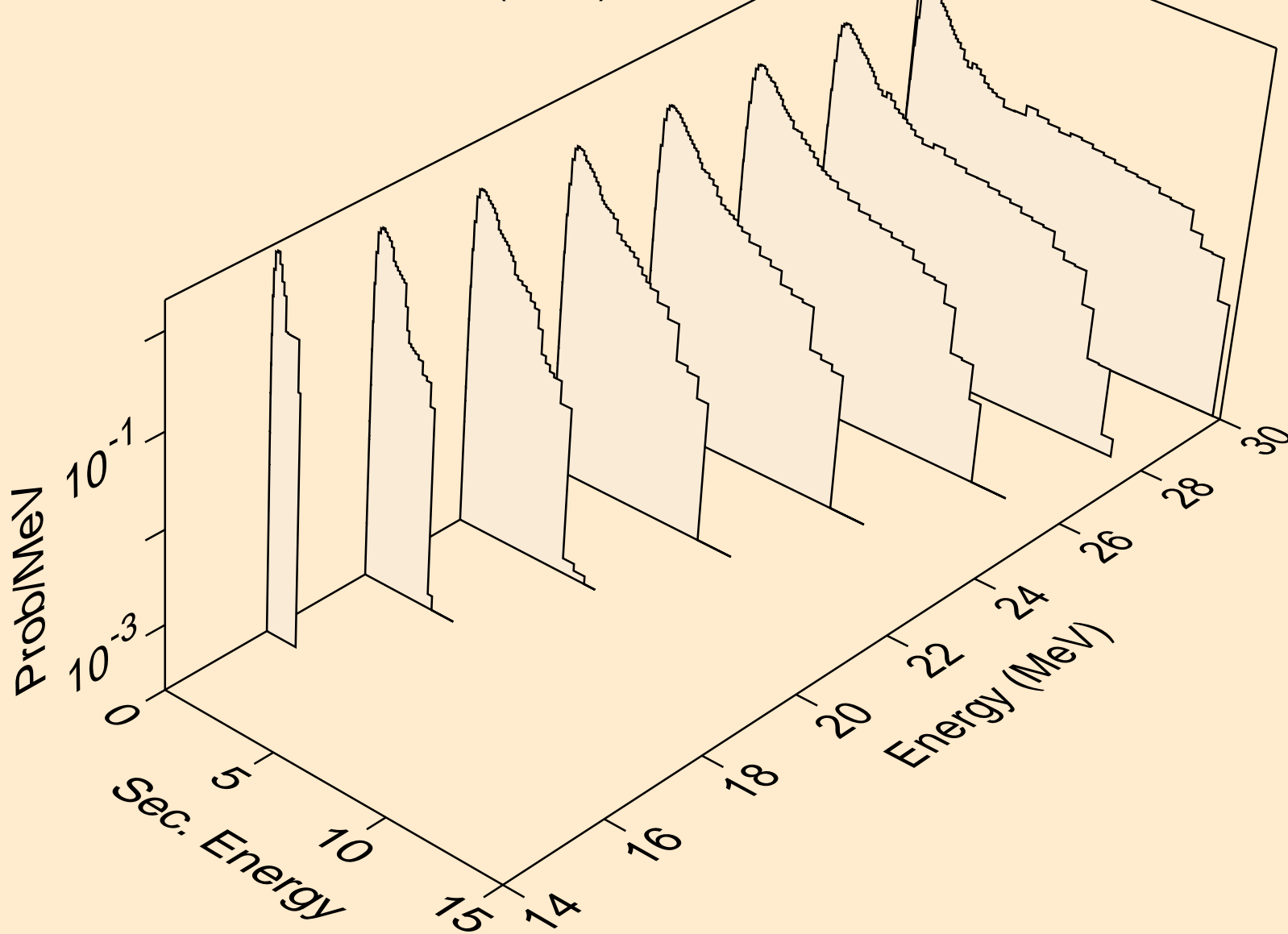




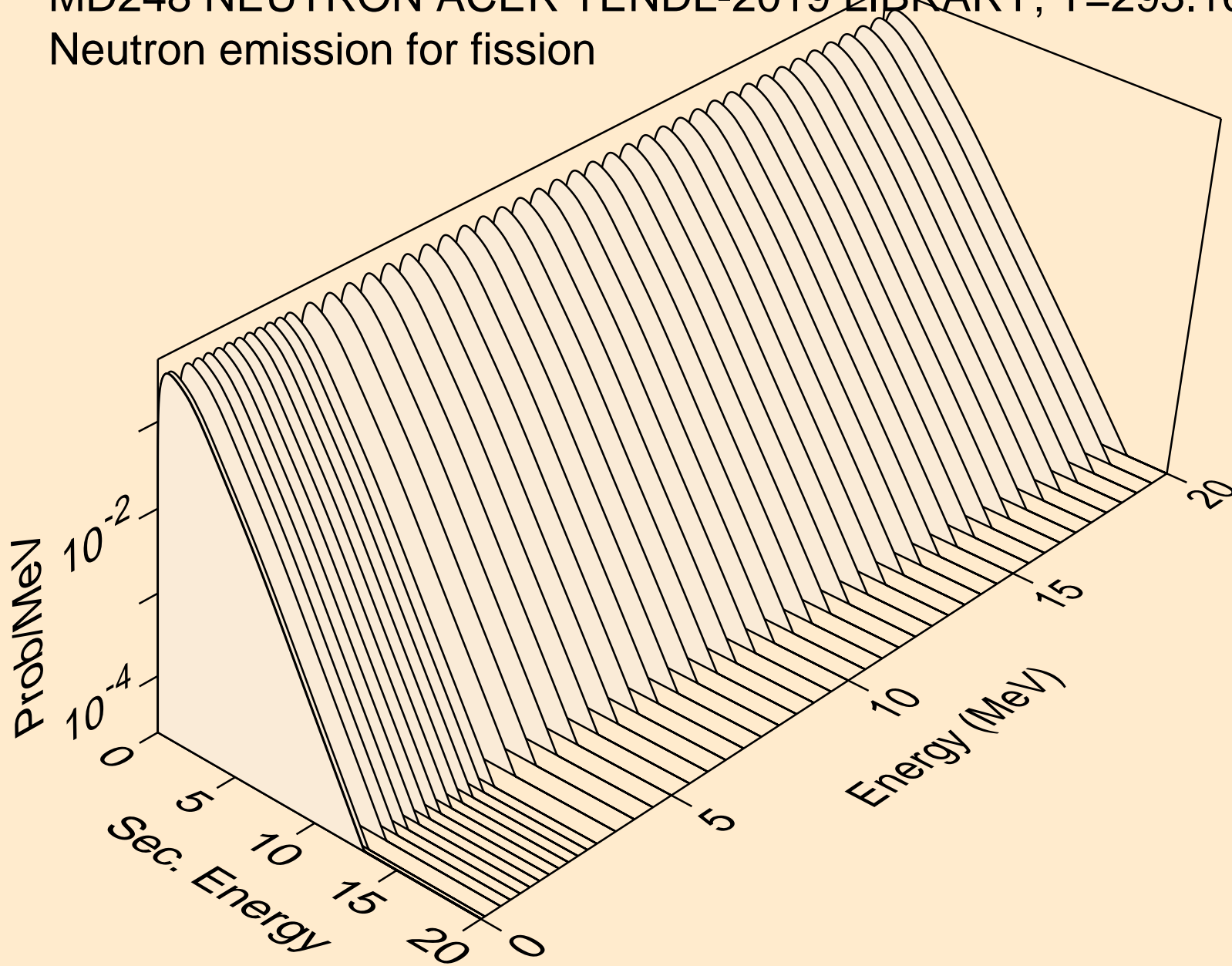
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



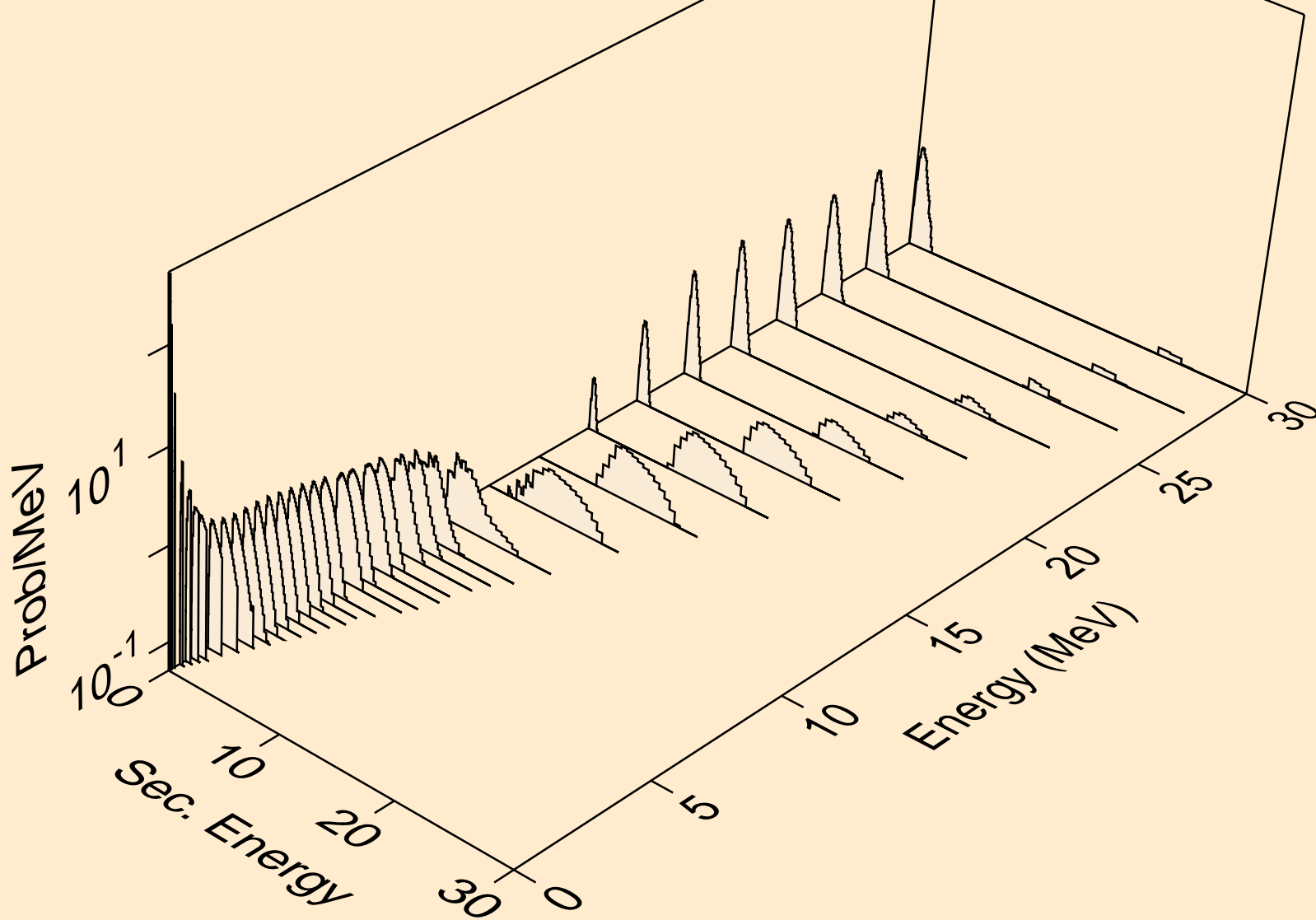
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



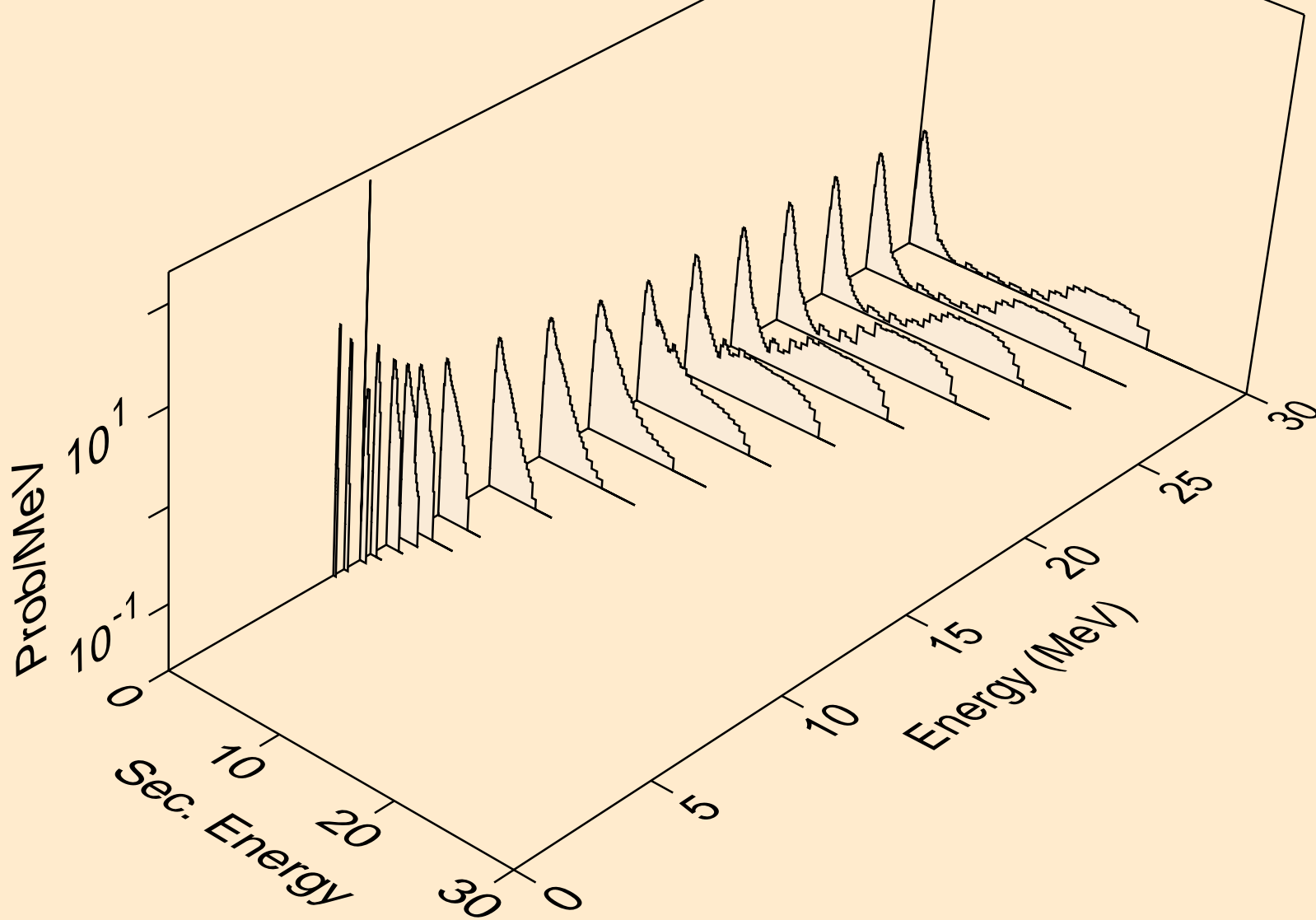
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for fission



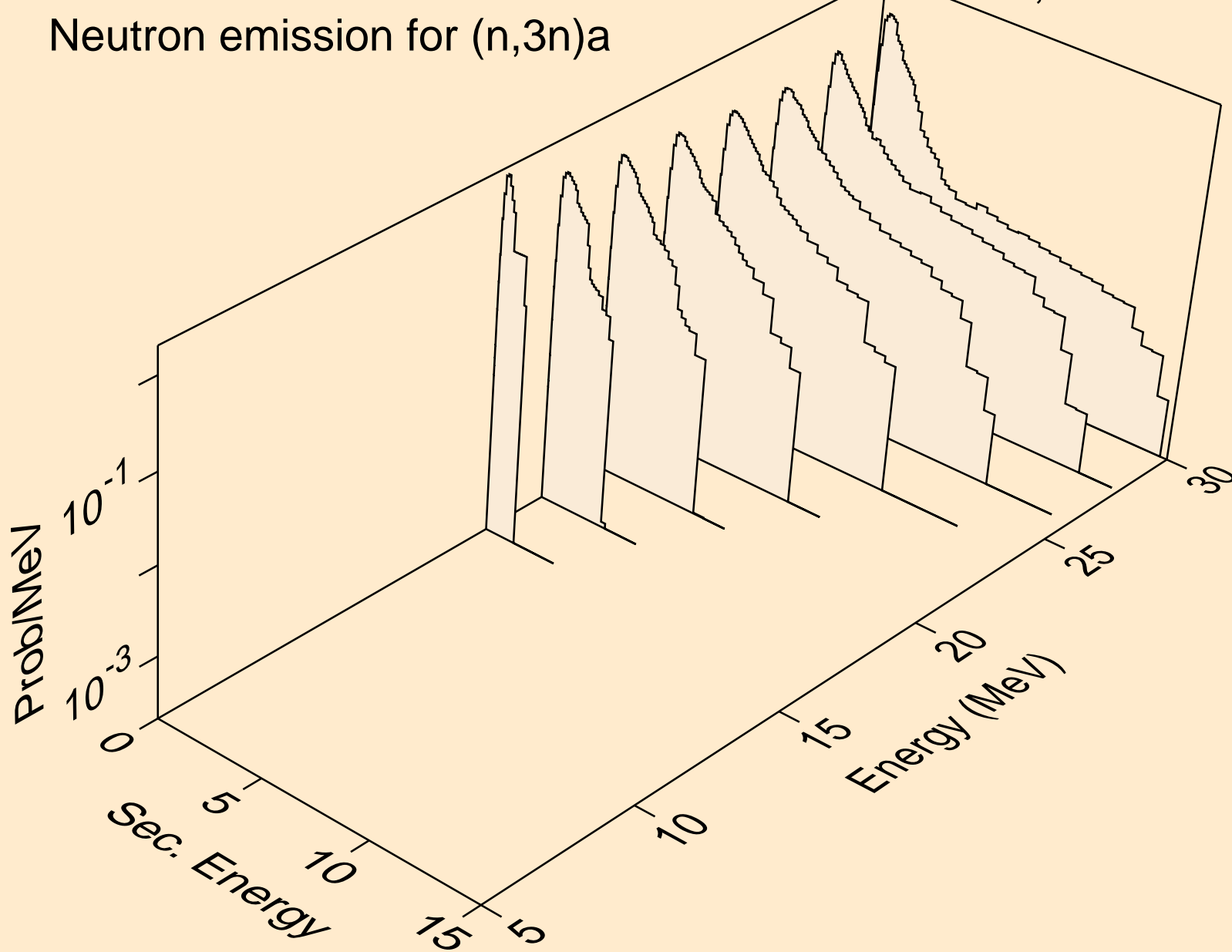
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



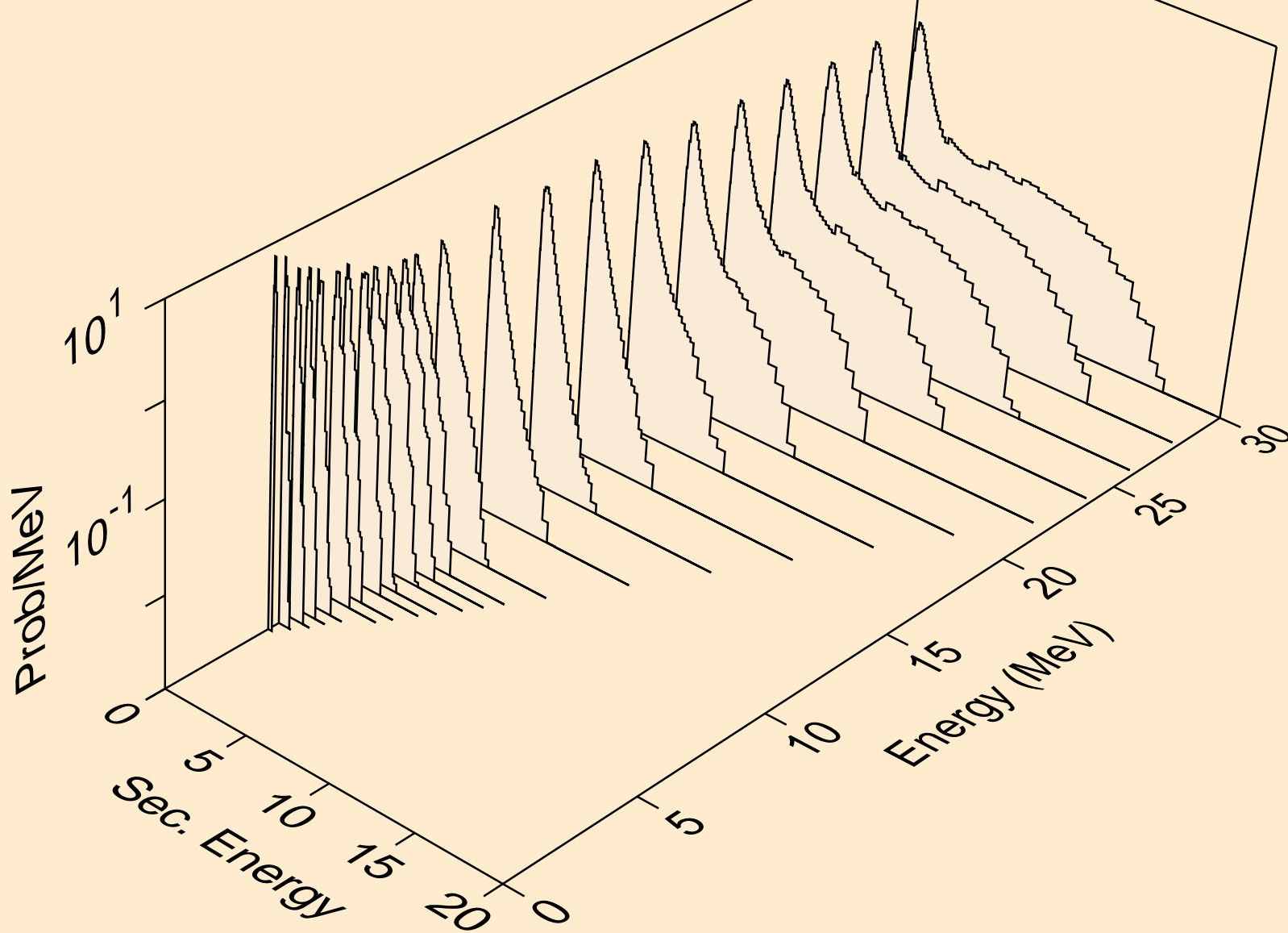
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a



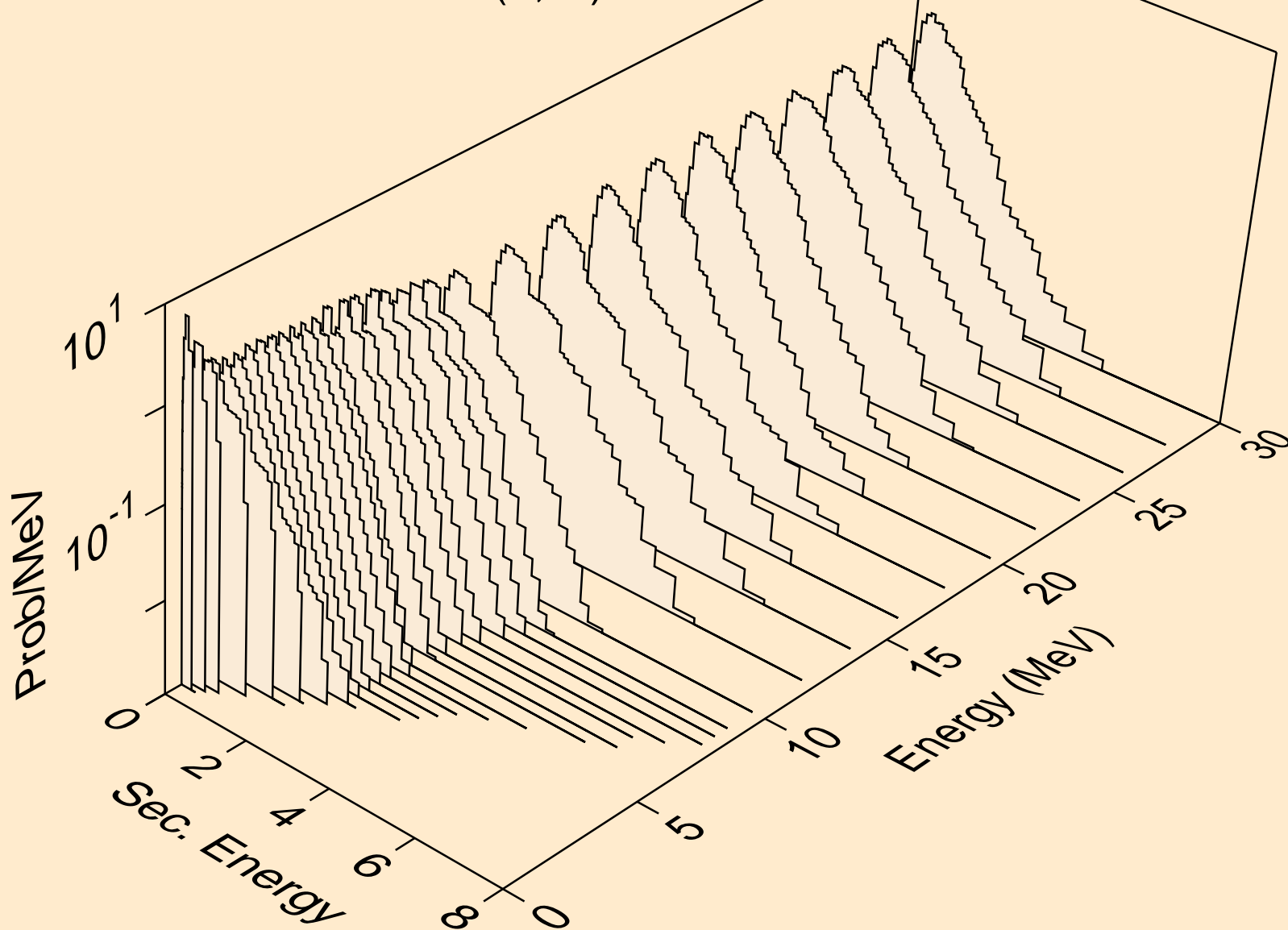
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p

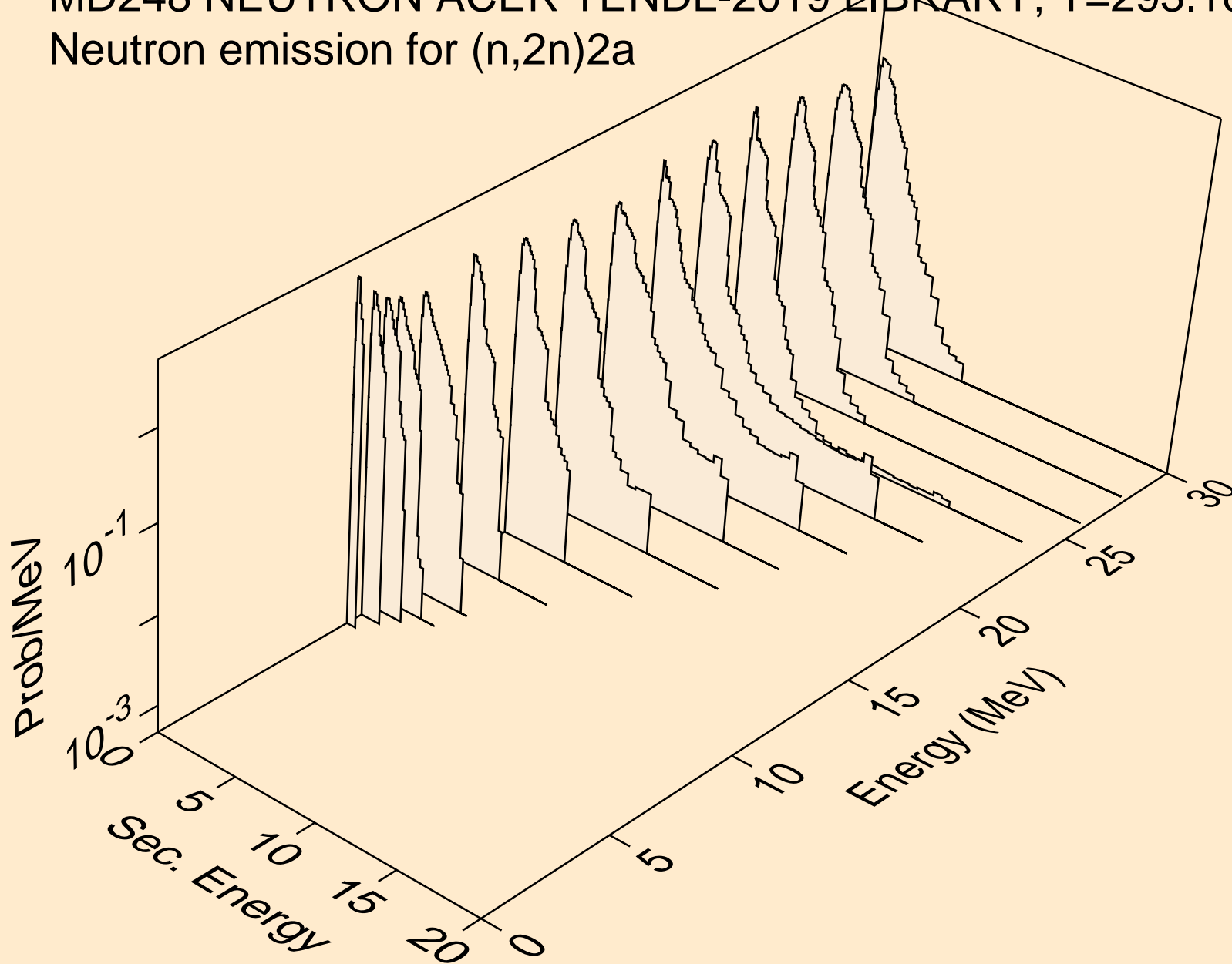


MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a

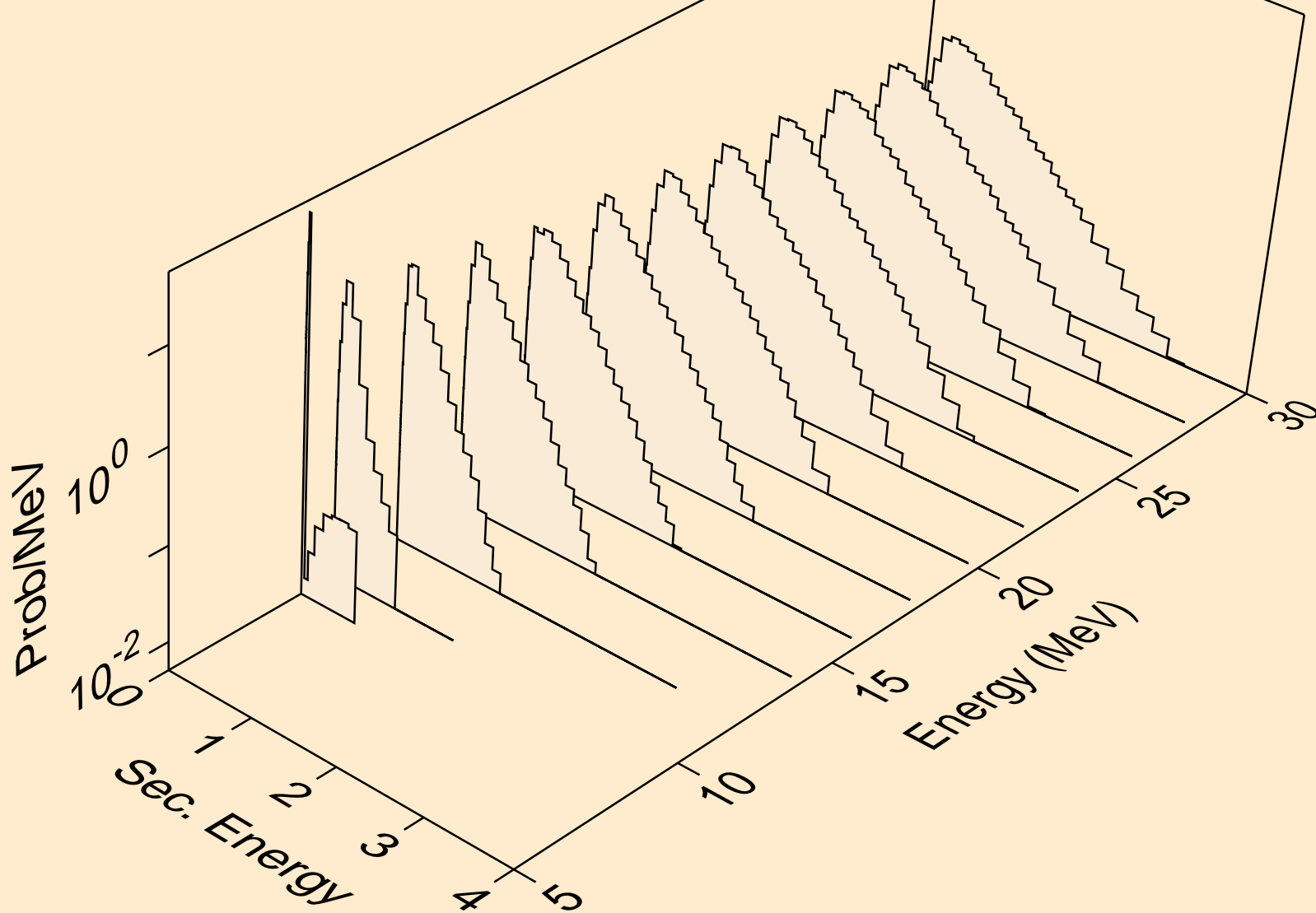




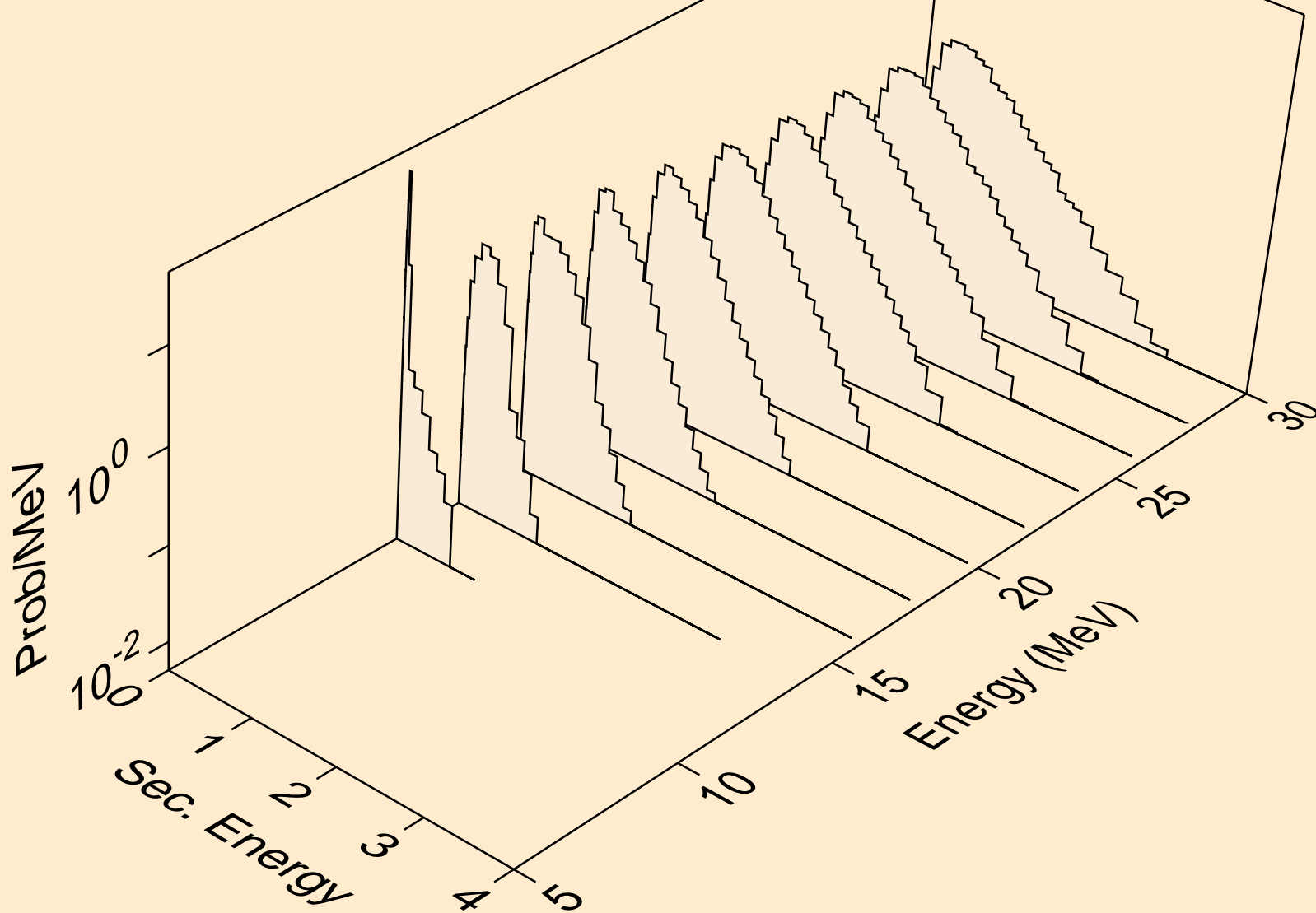
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)2a



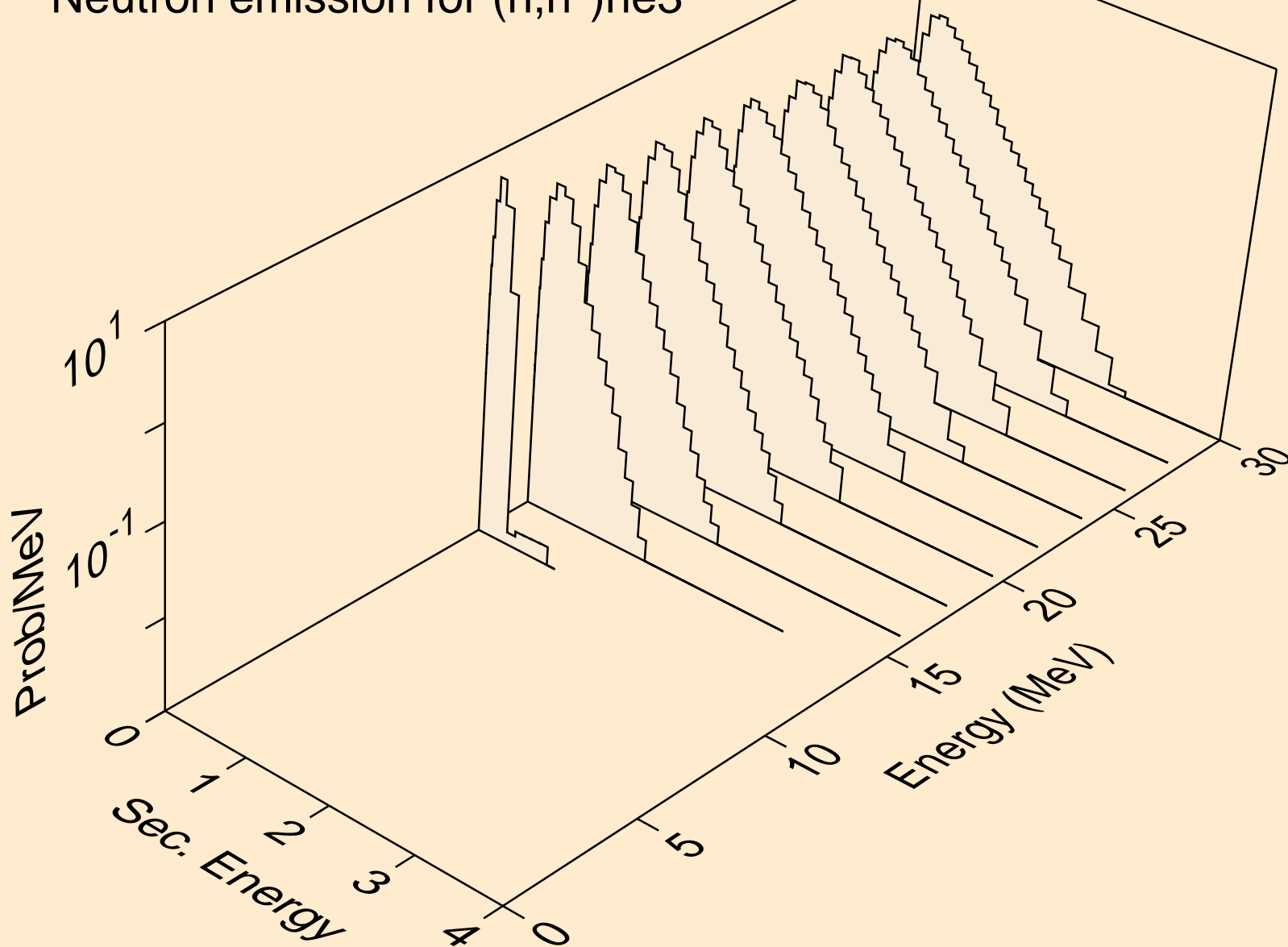
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



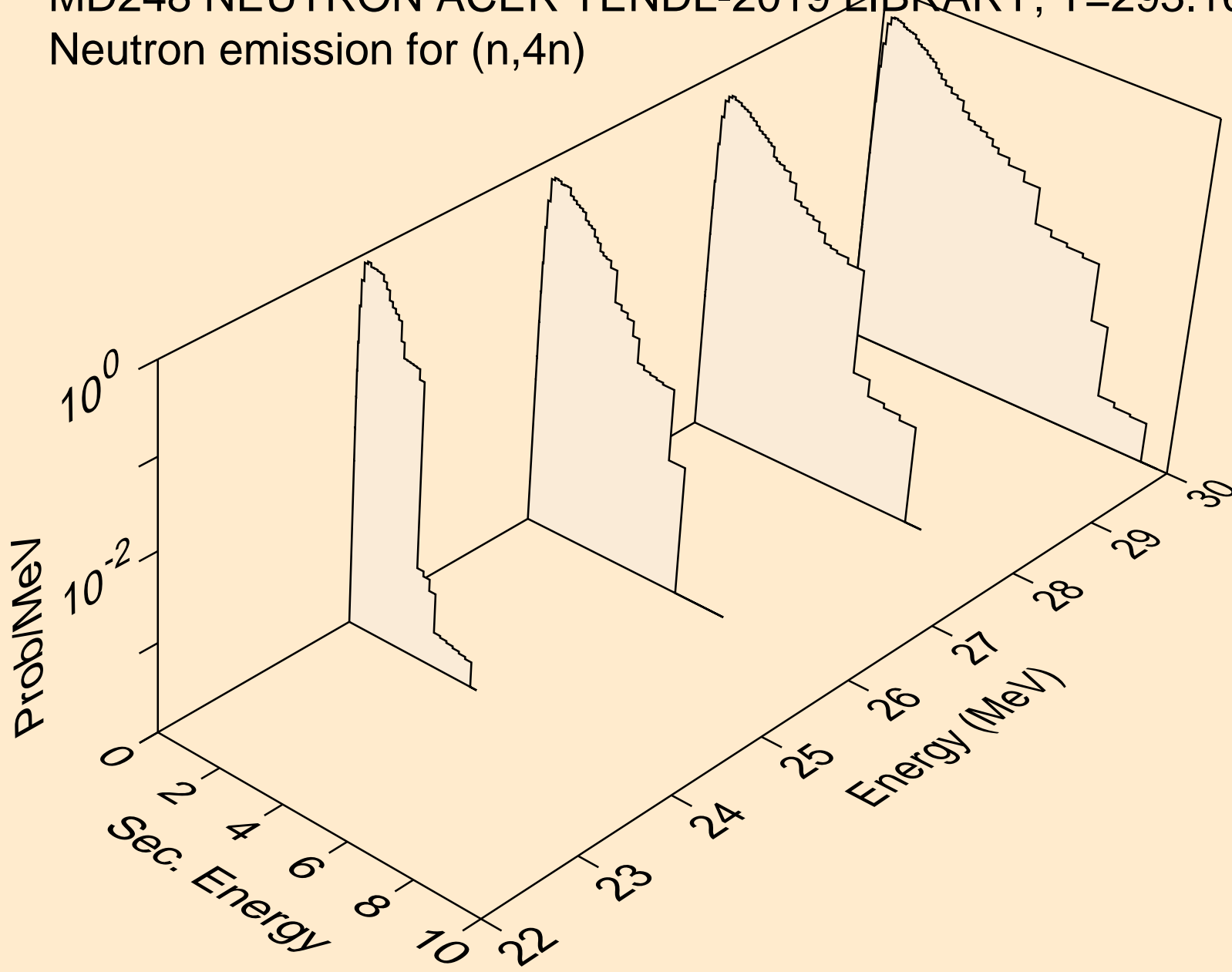
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



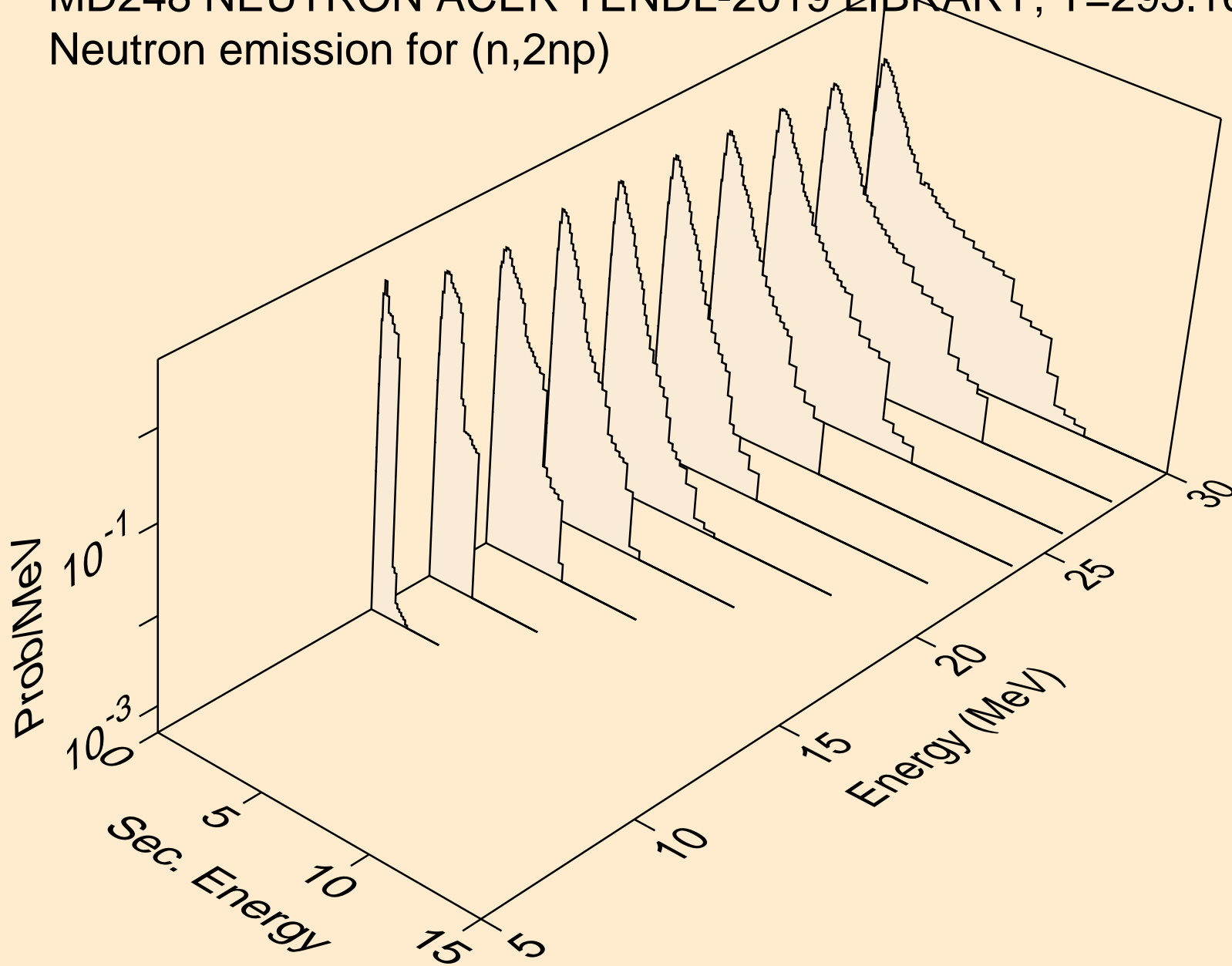
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



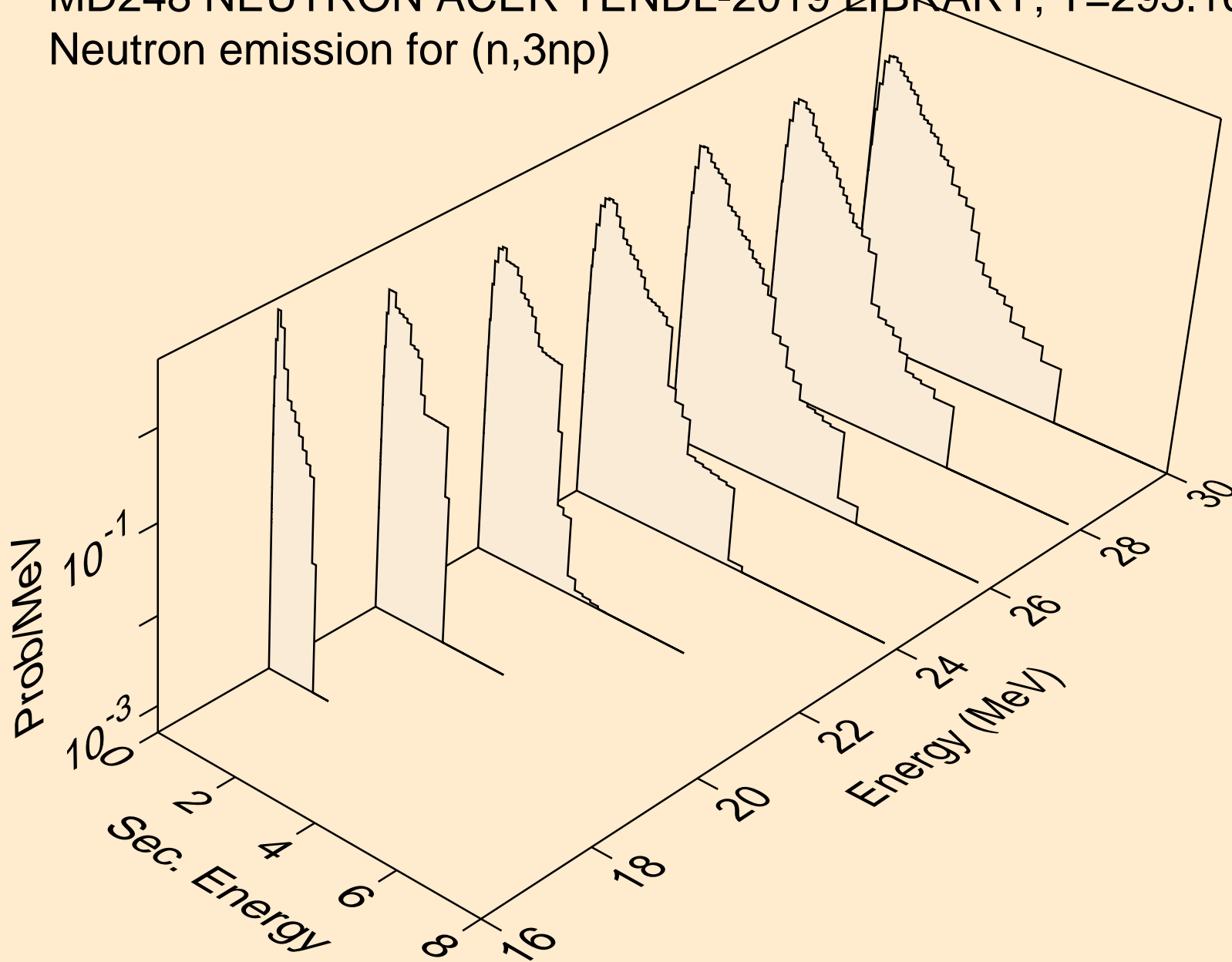
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)



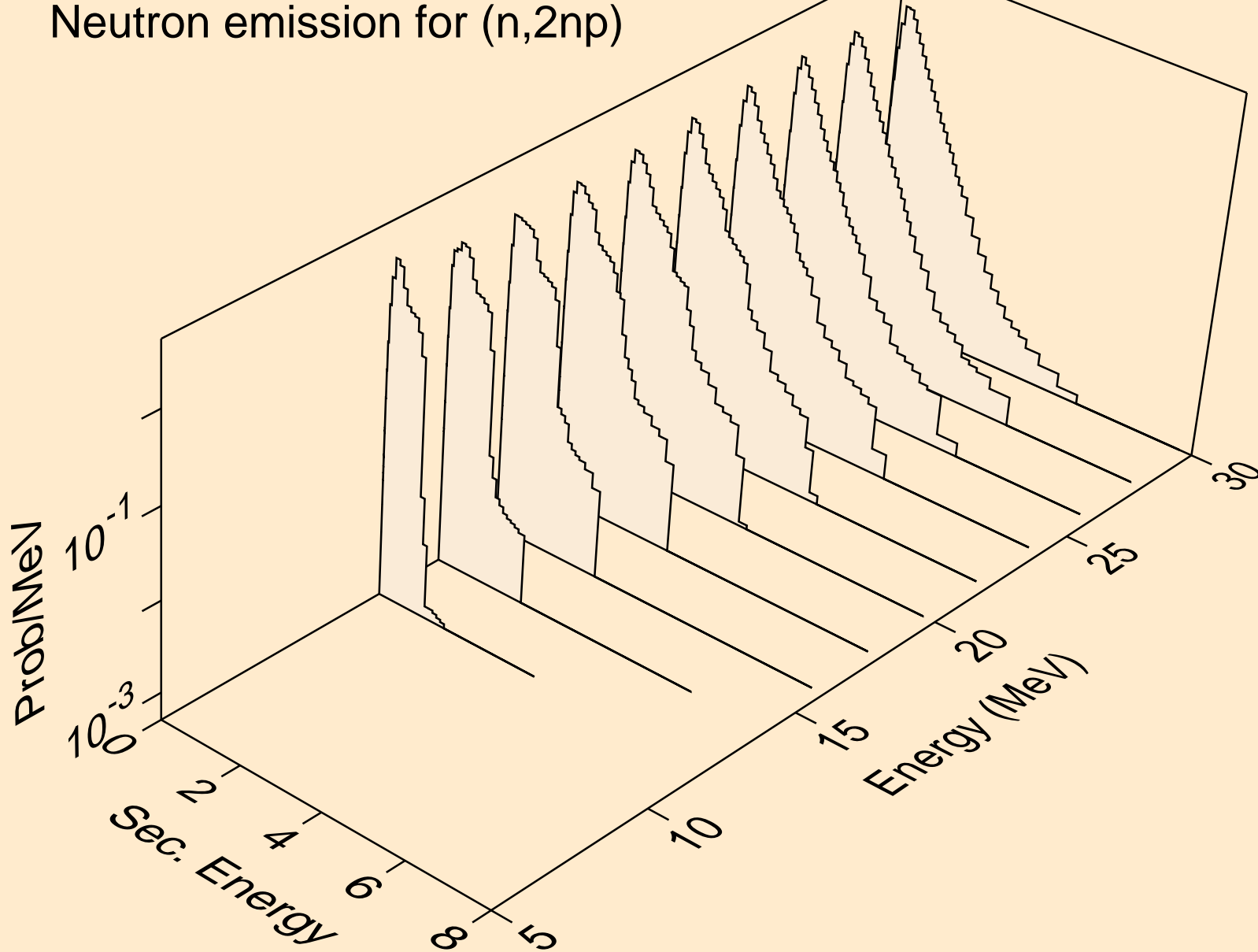
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)

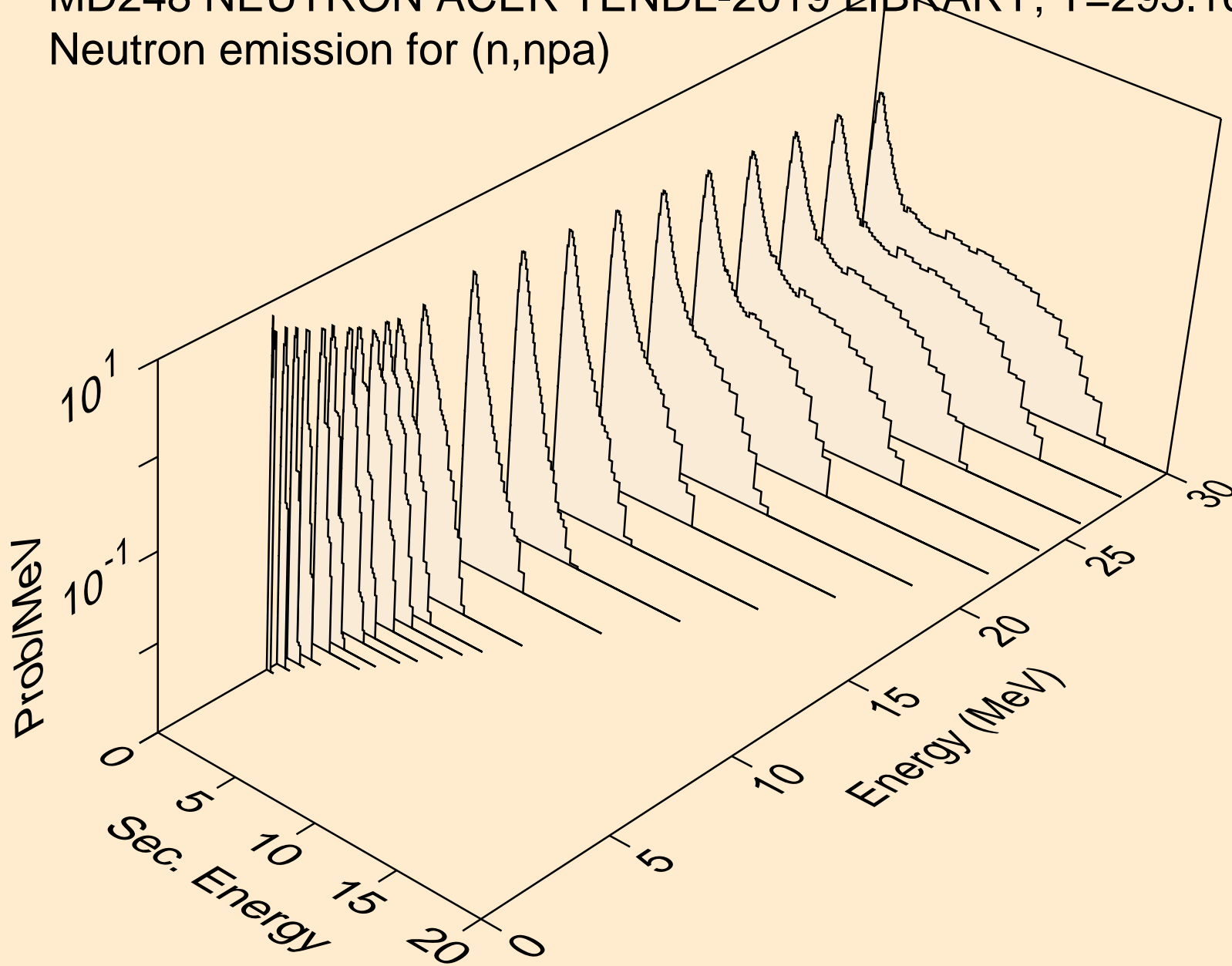


MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)

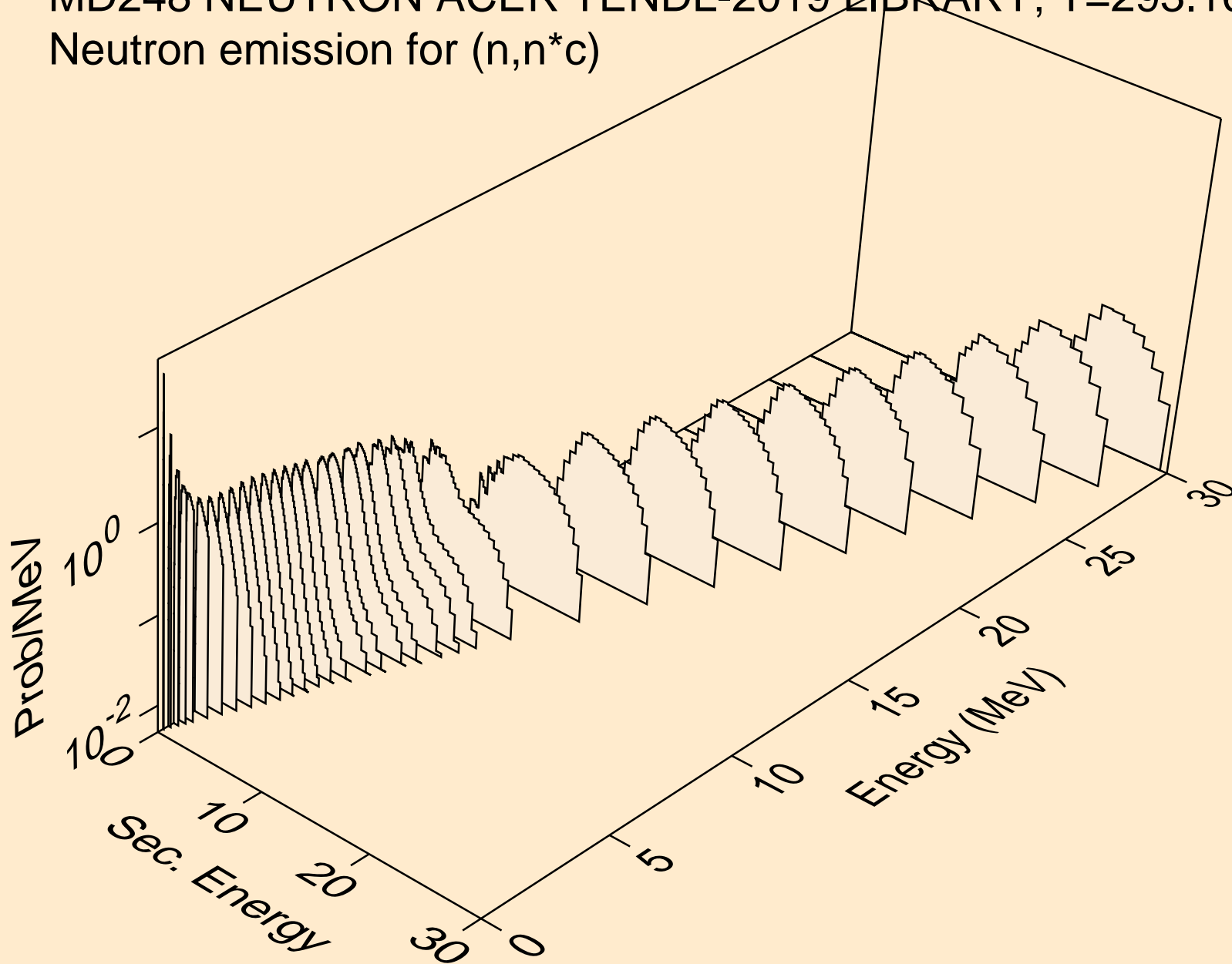




MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)

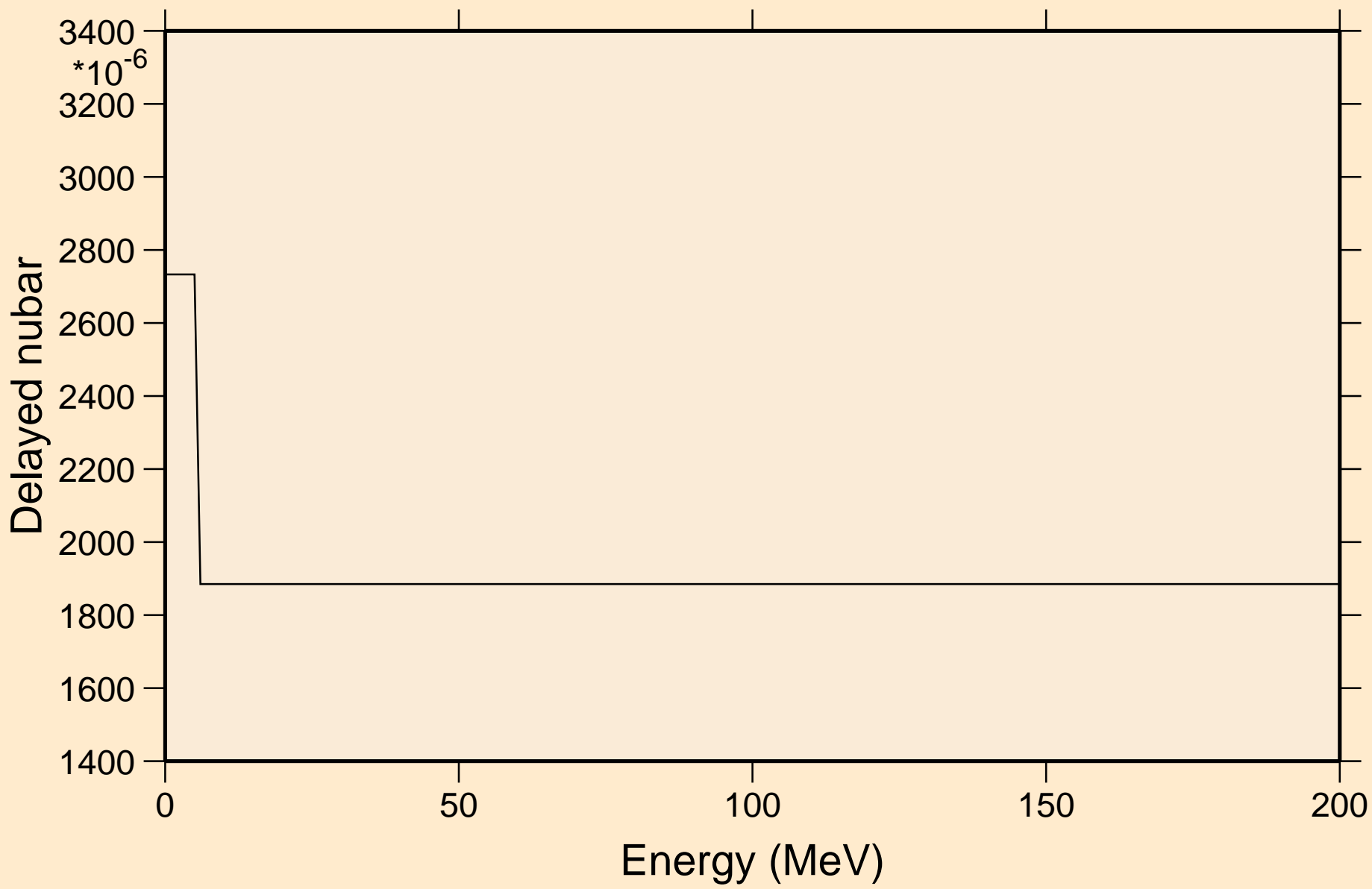


MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



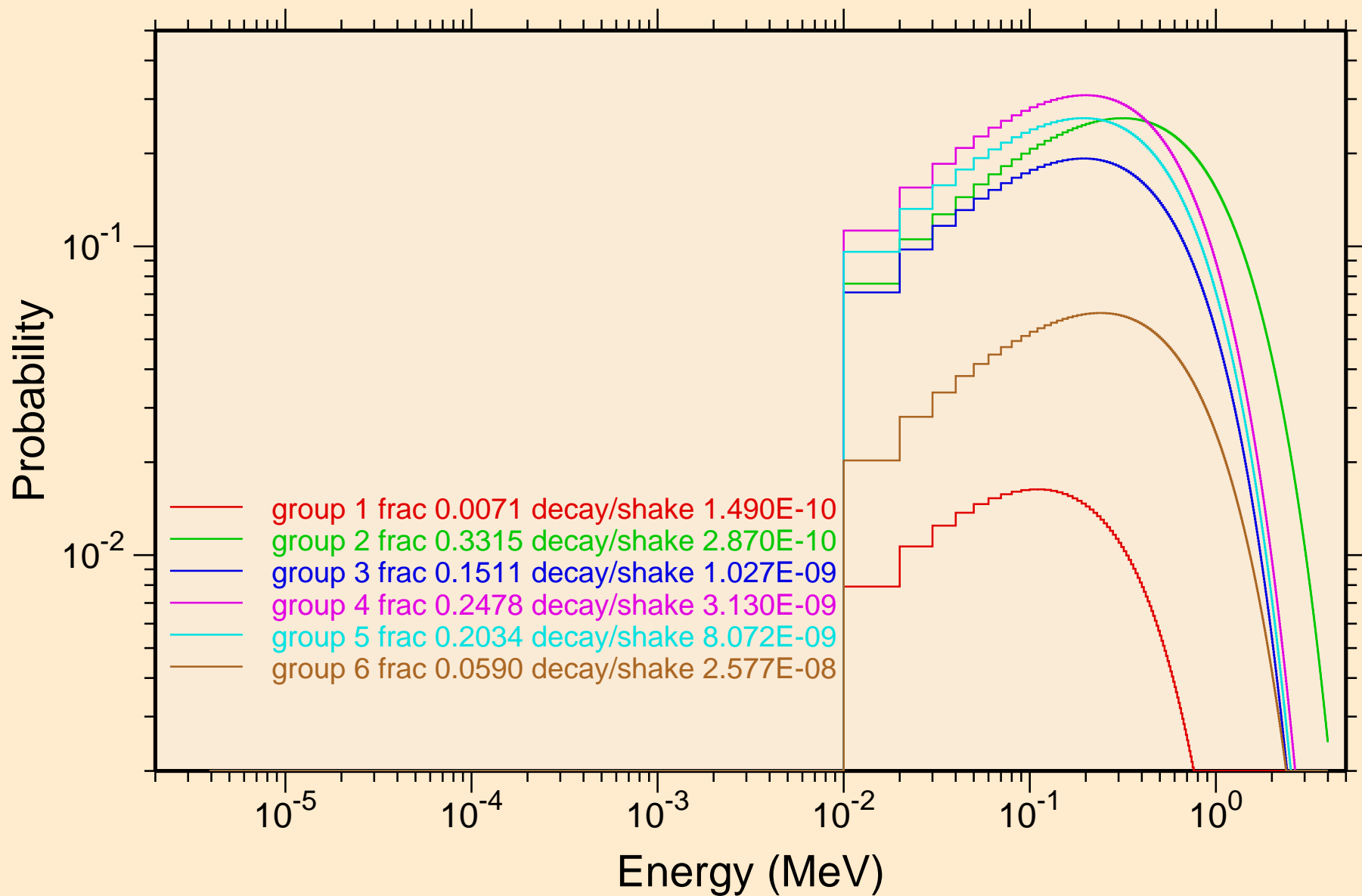
# MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Delayed nubar

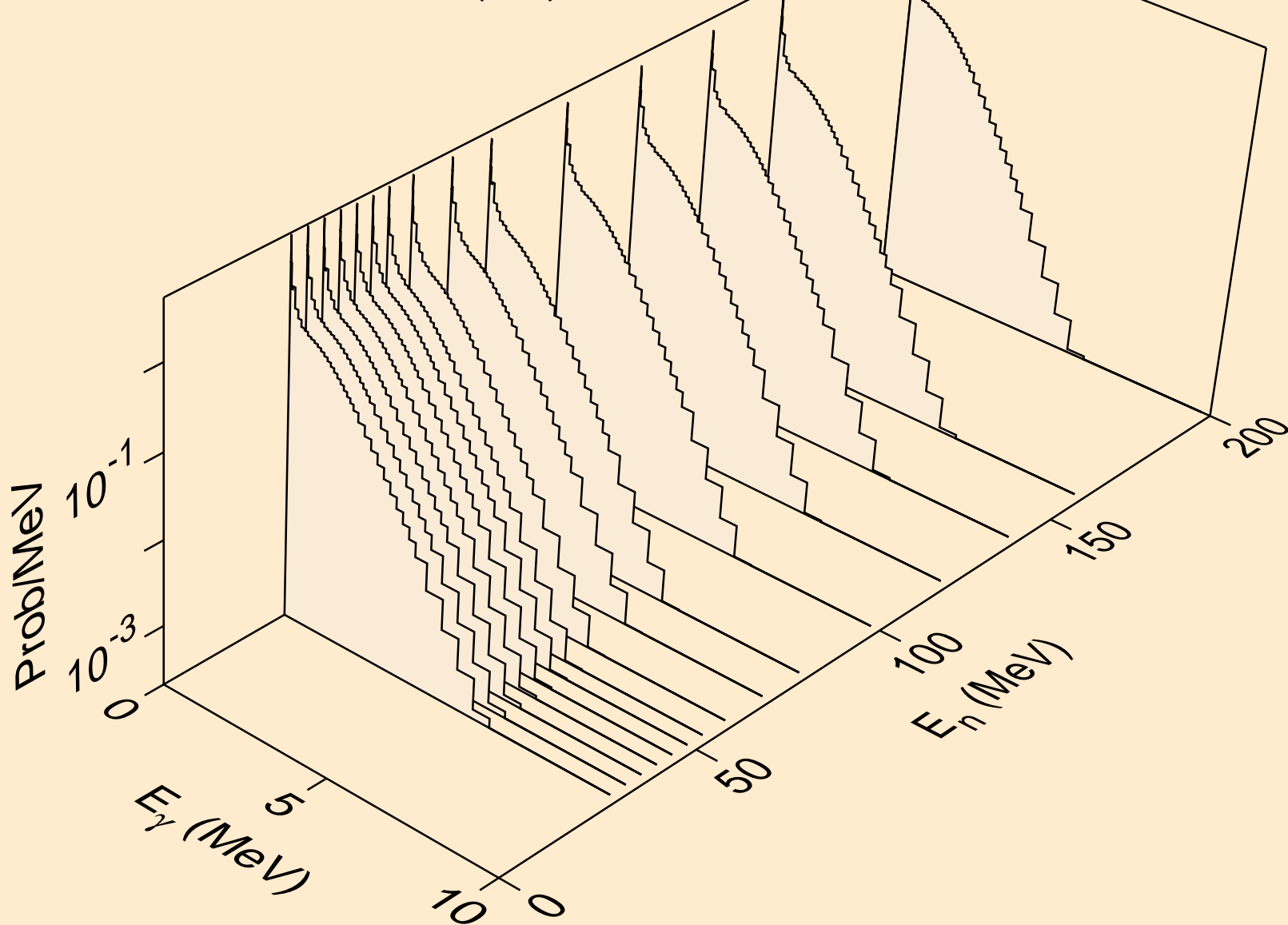


# MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

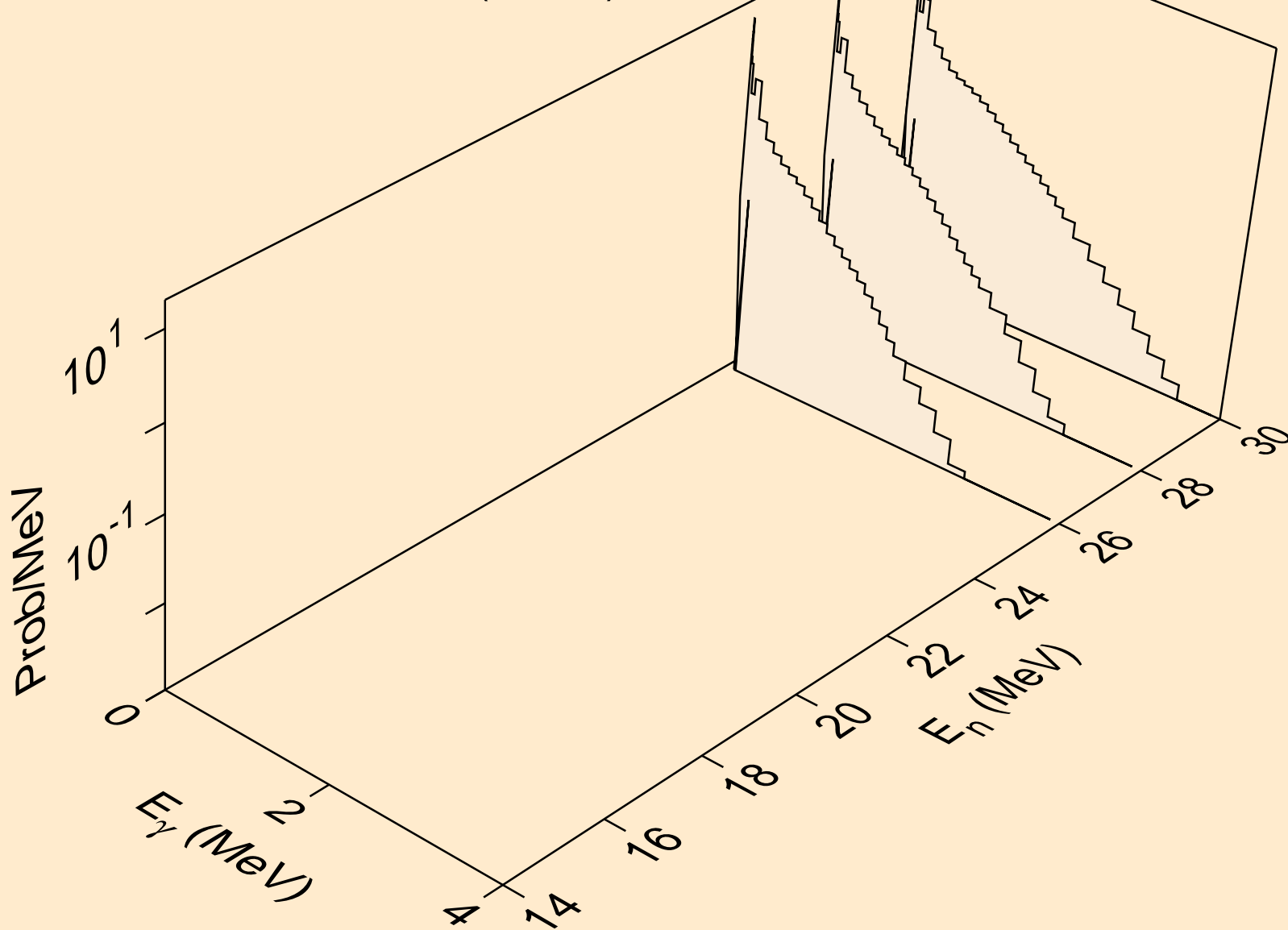
## Delayed neutron spectra



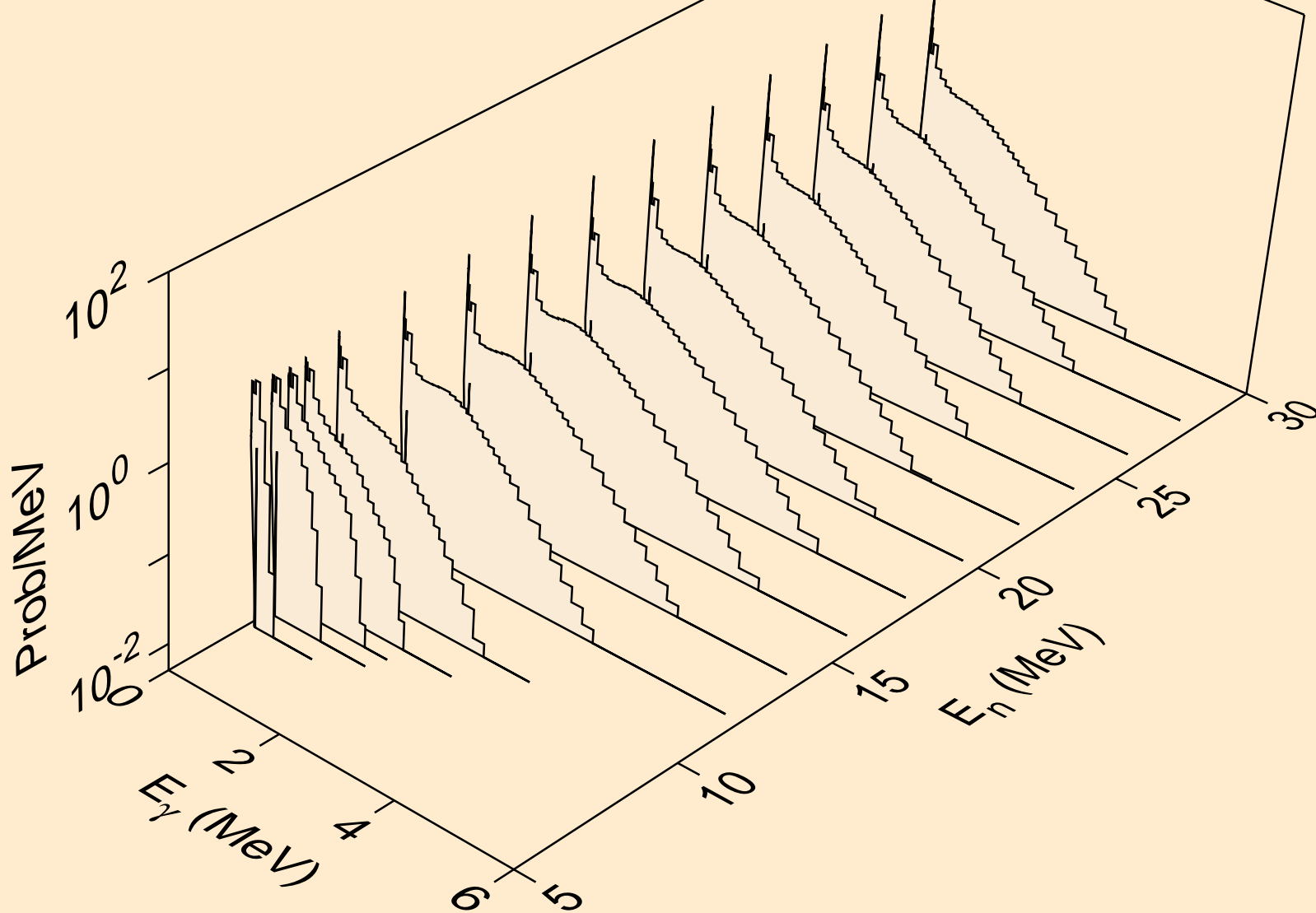
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



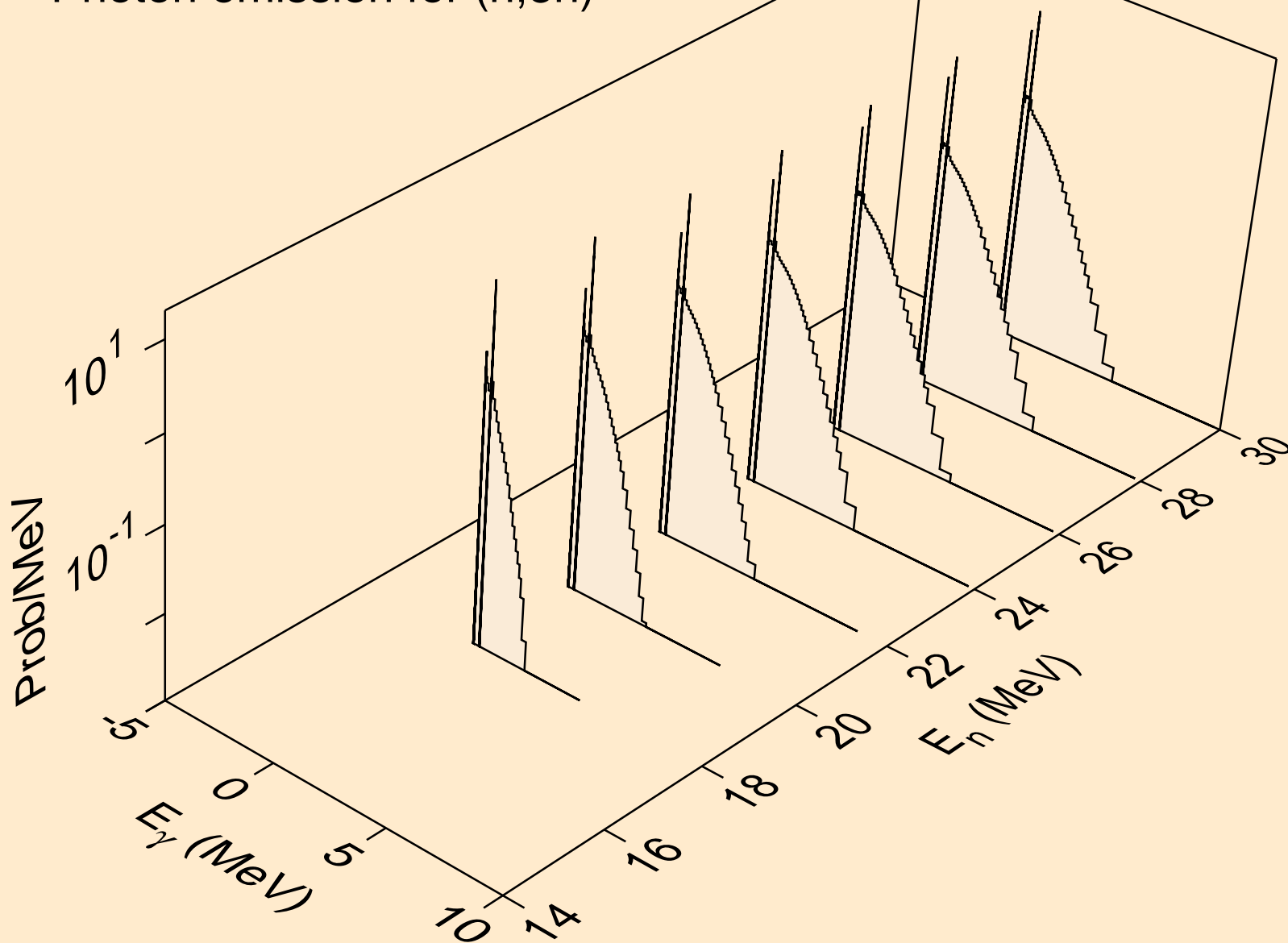
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)



MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)

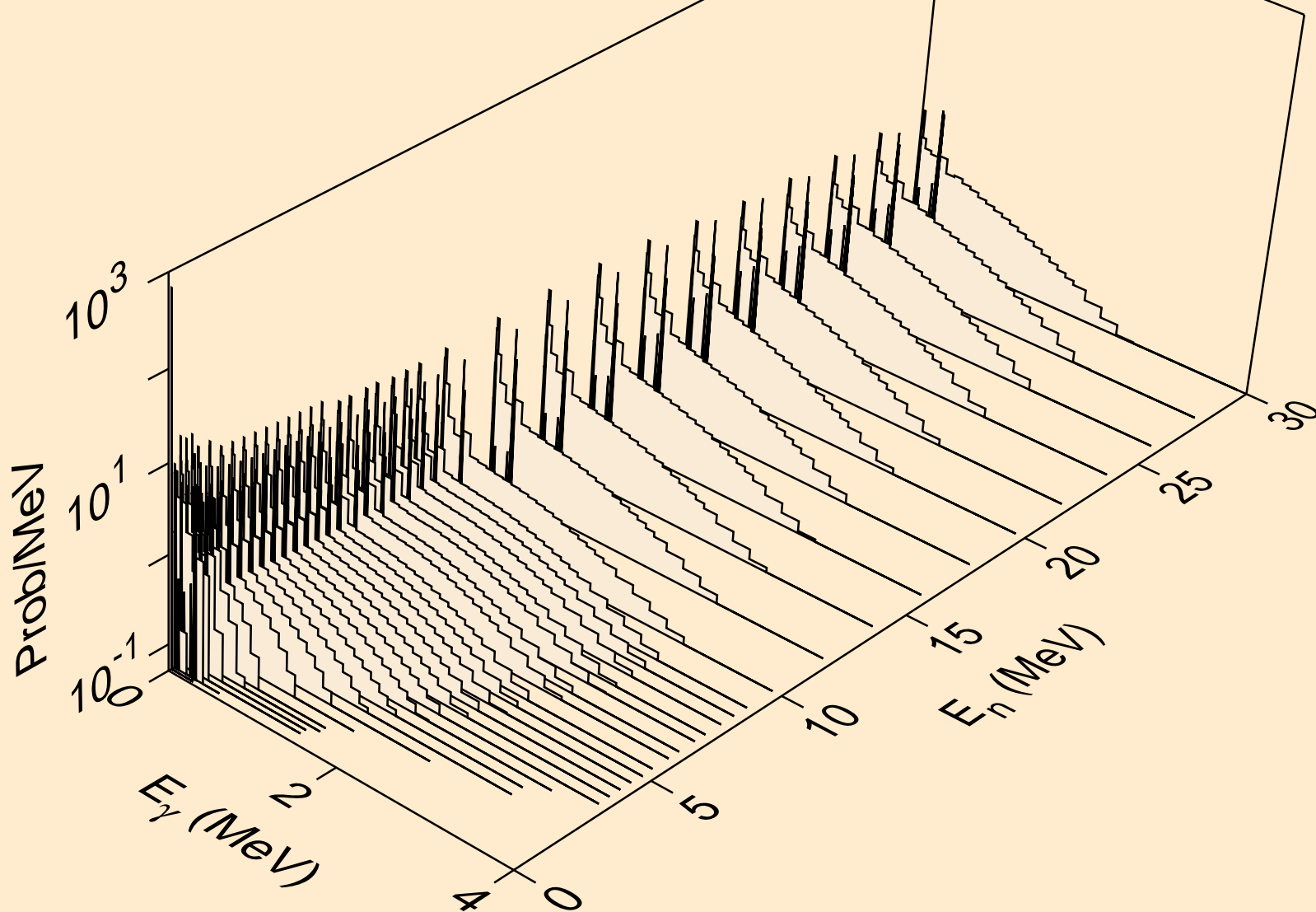


MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)

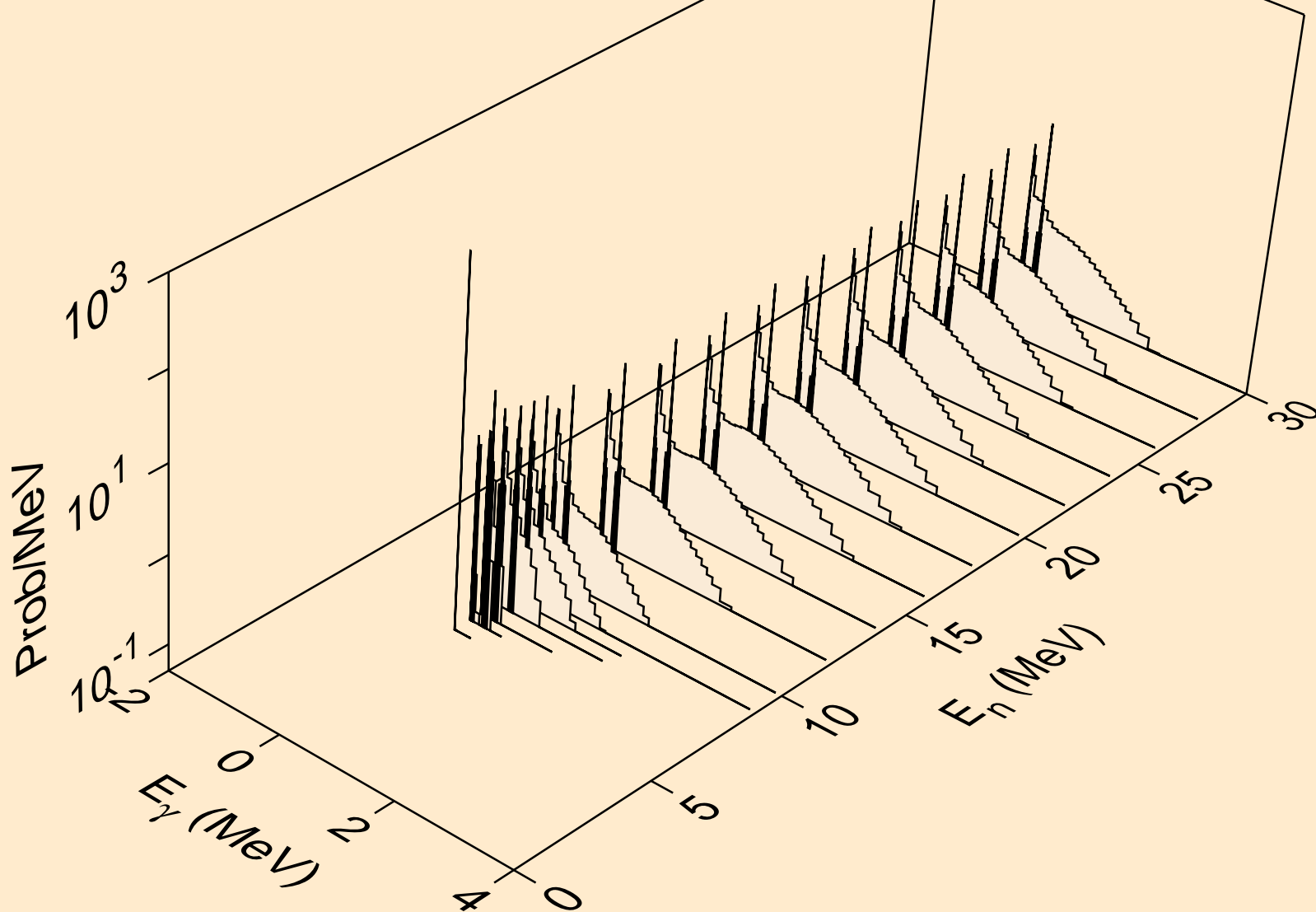




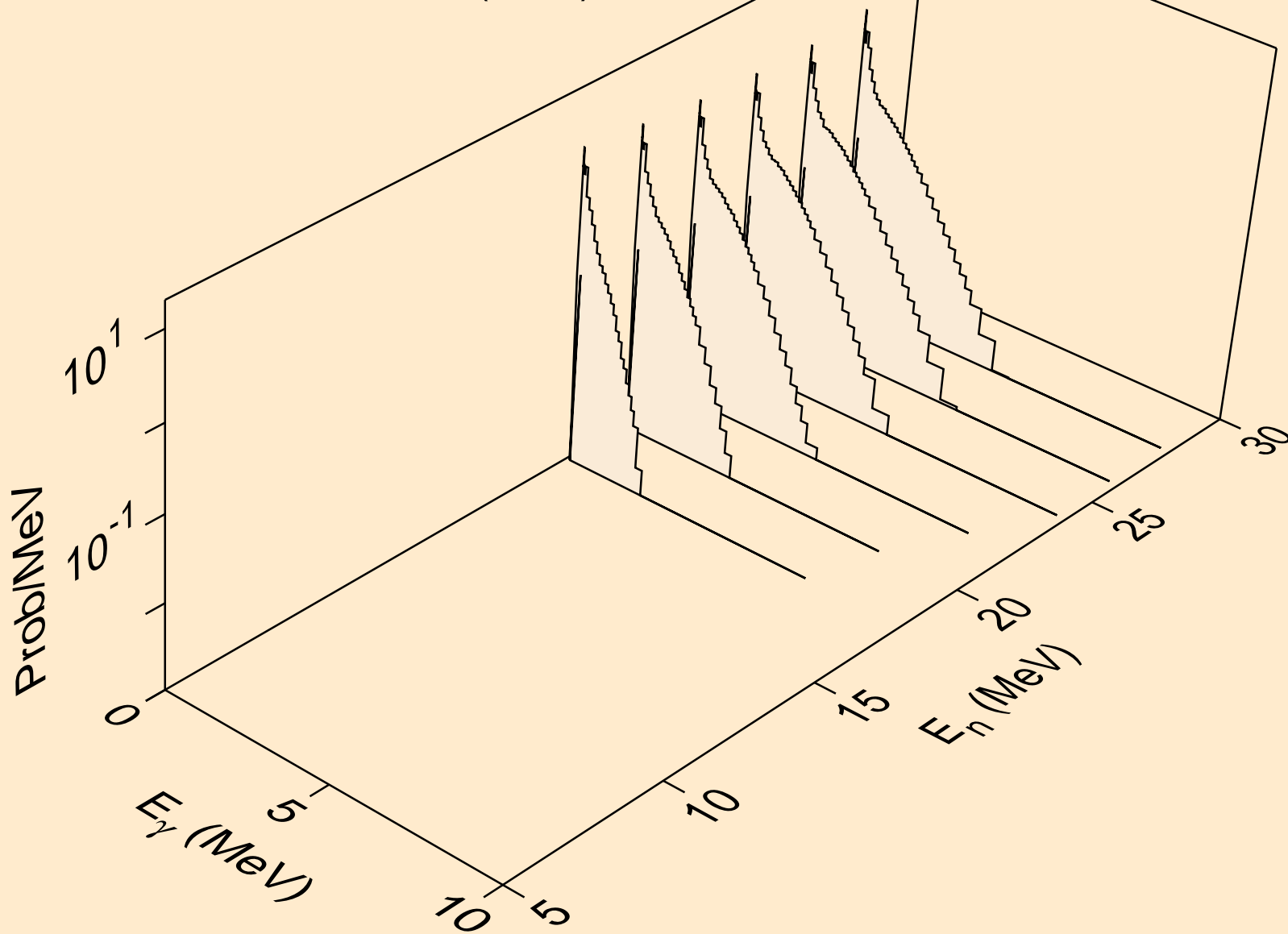
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a



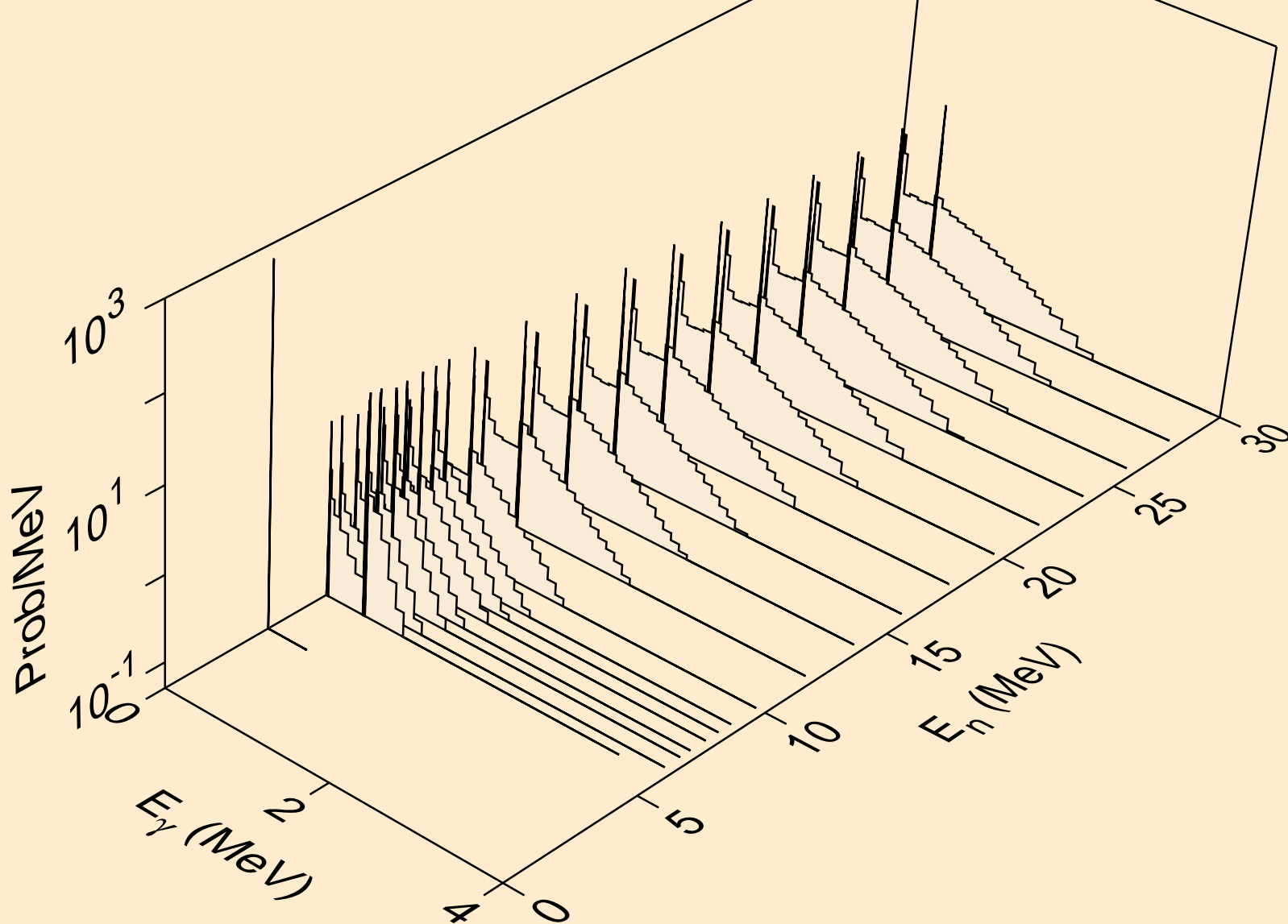
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a



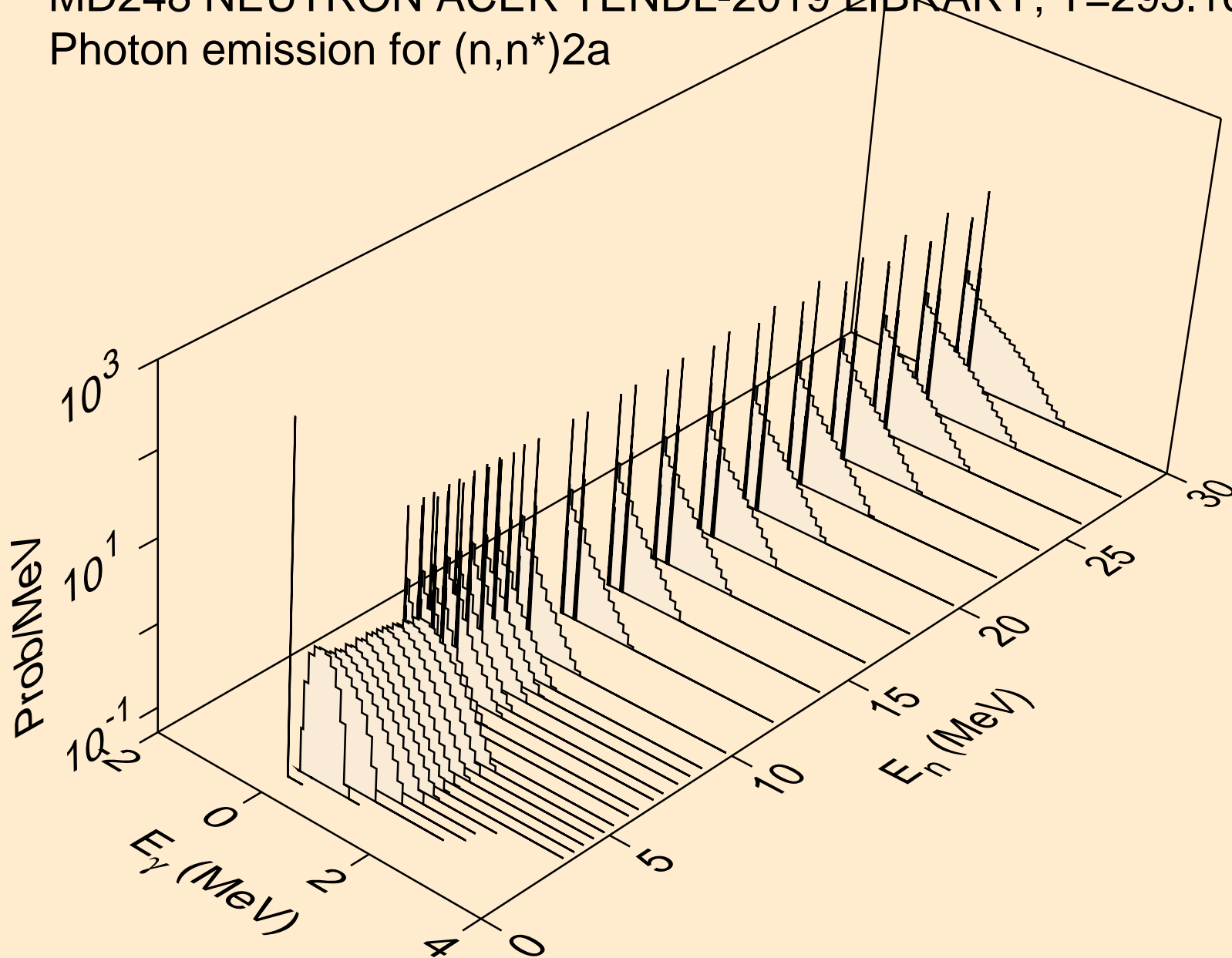
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a



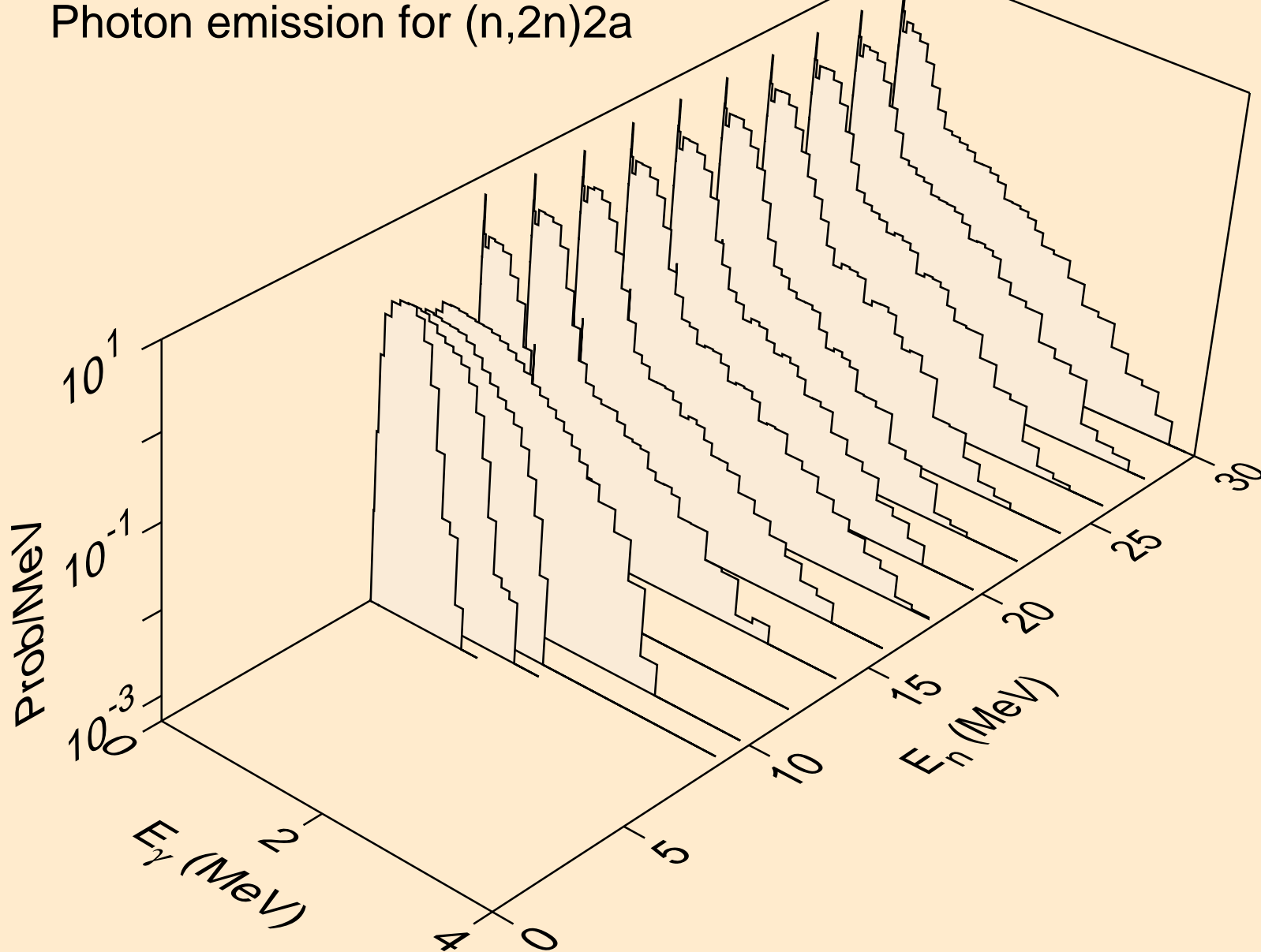
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p



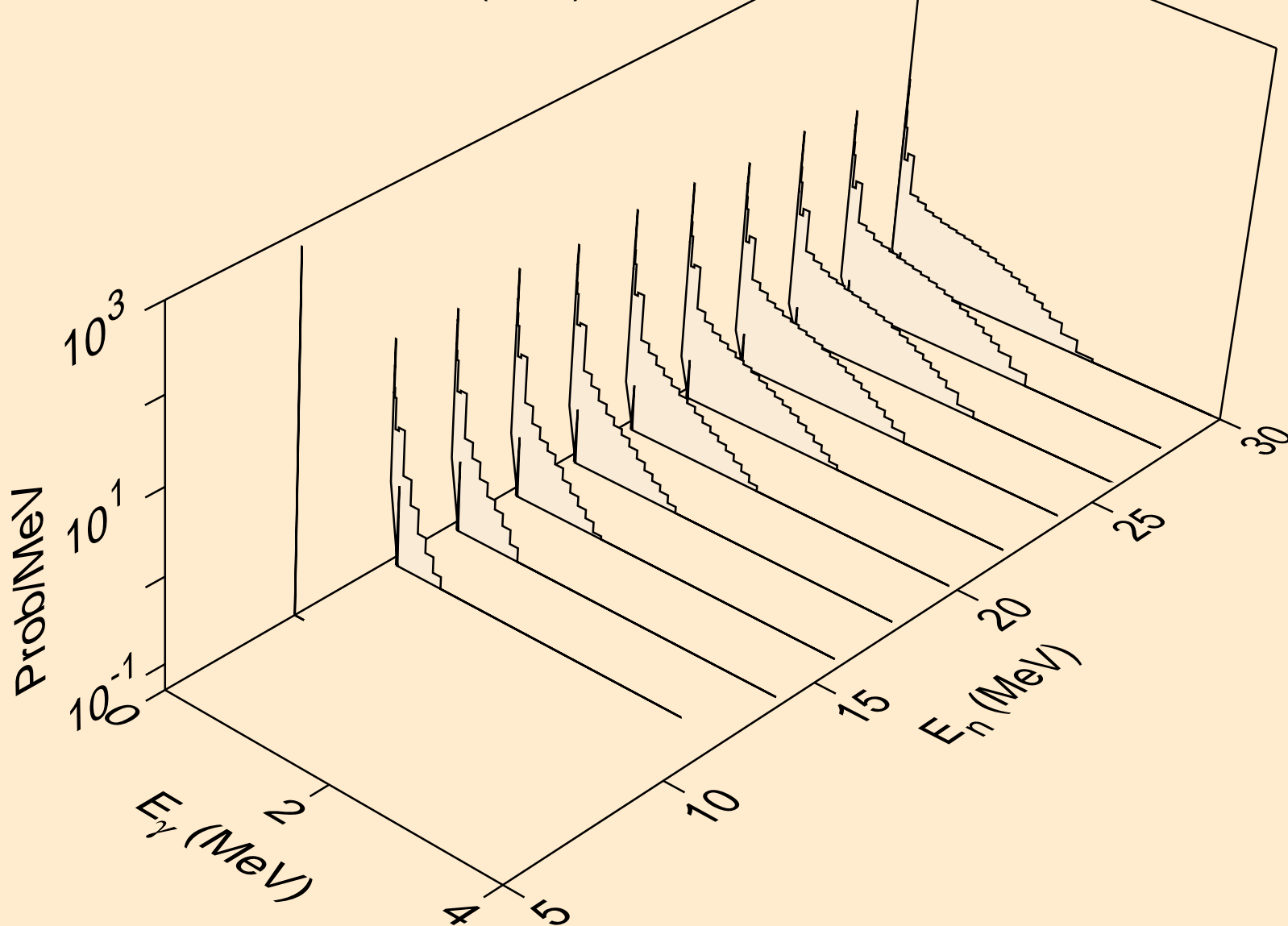
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)2a



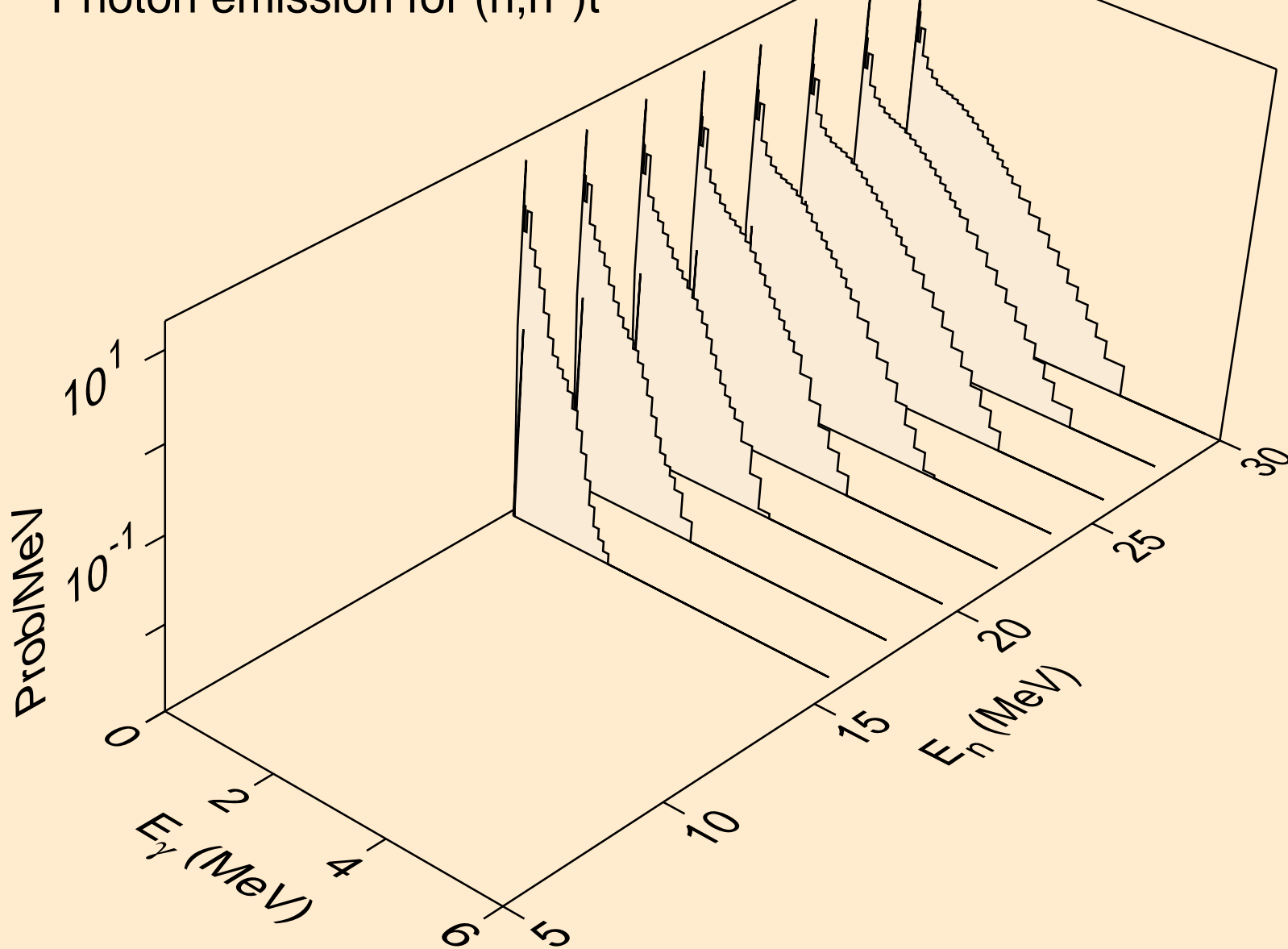
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)2a



MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d

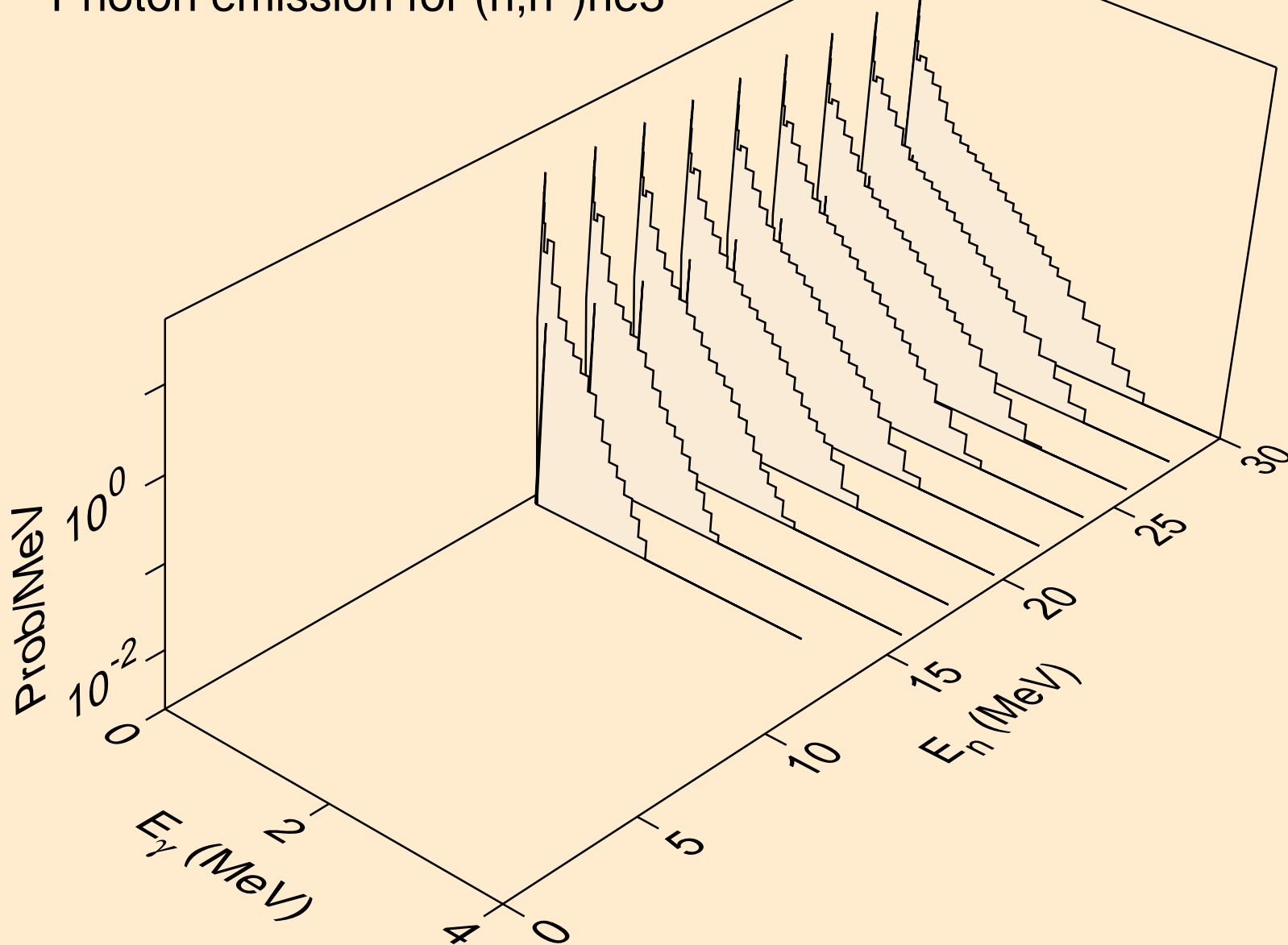


MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t

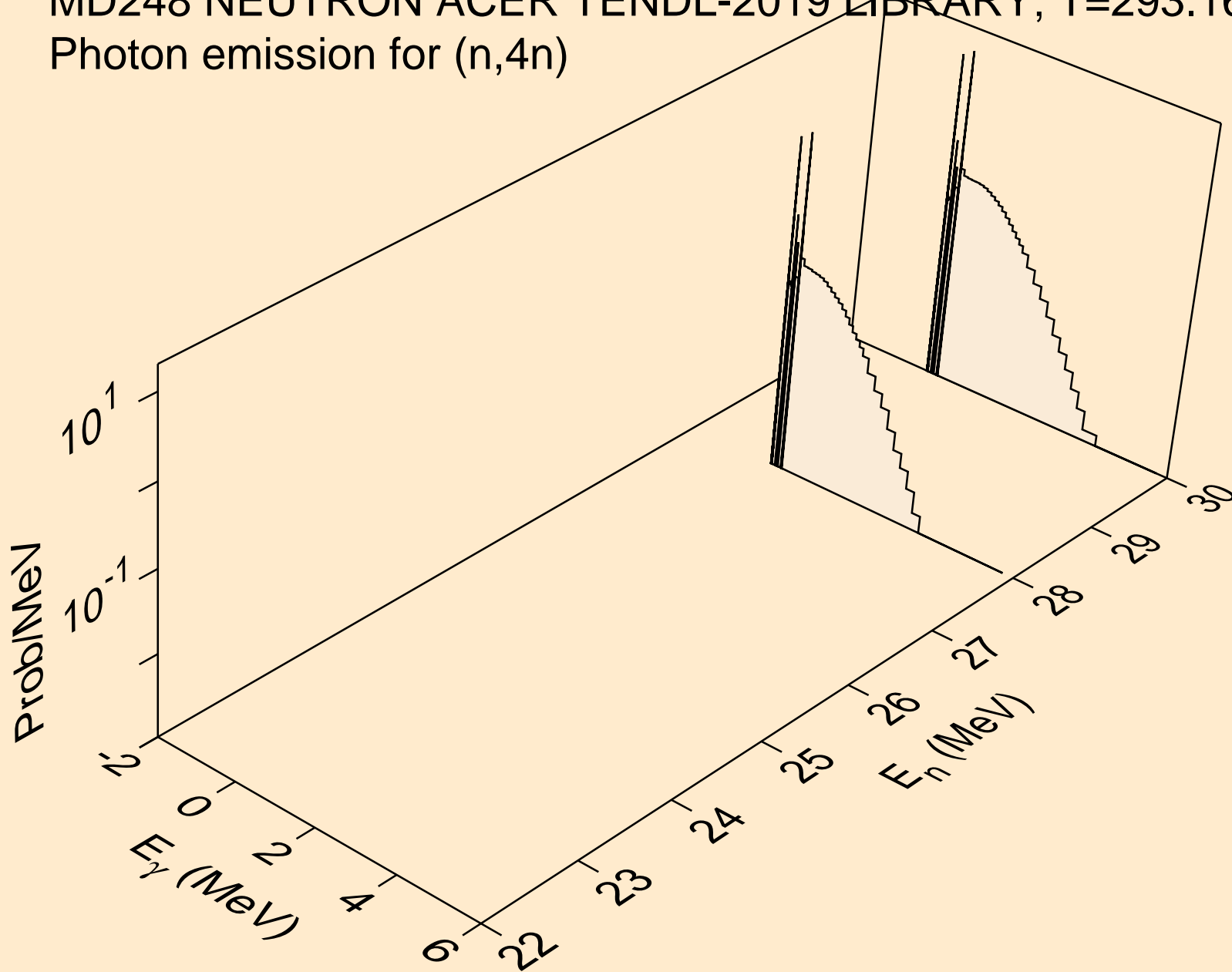




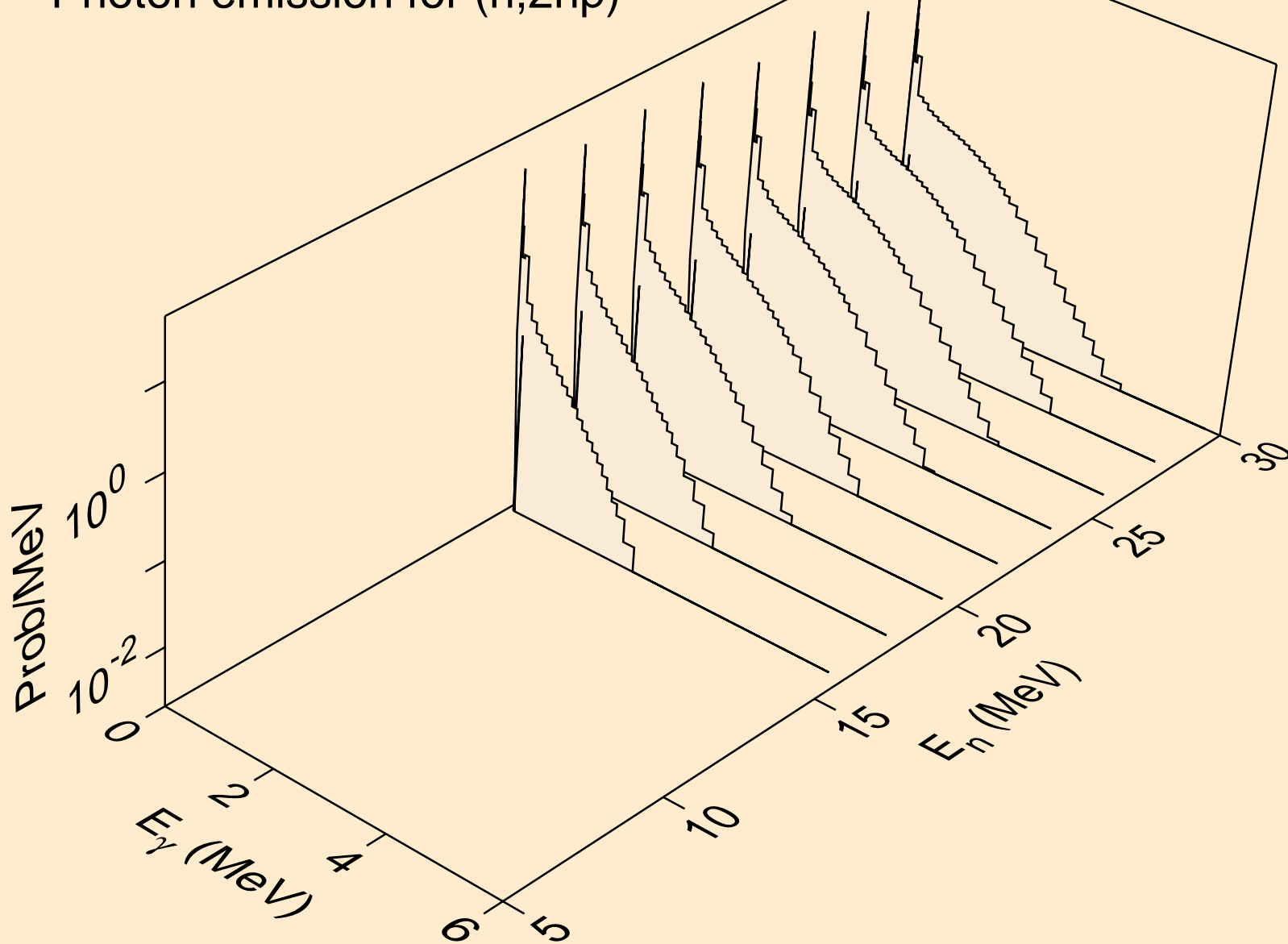
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3



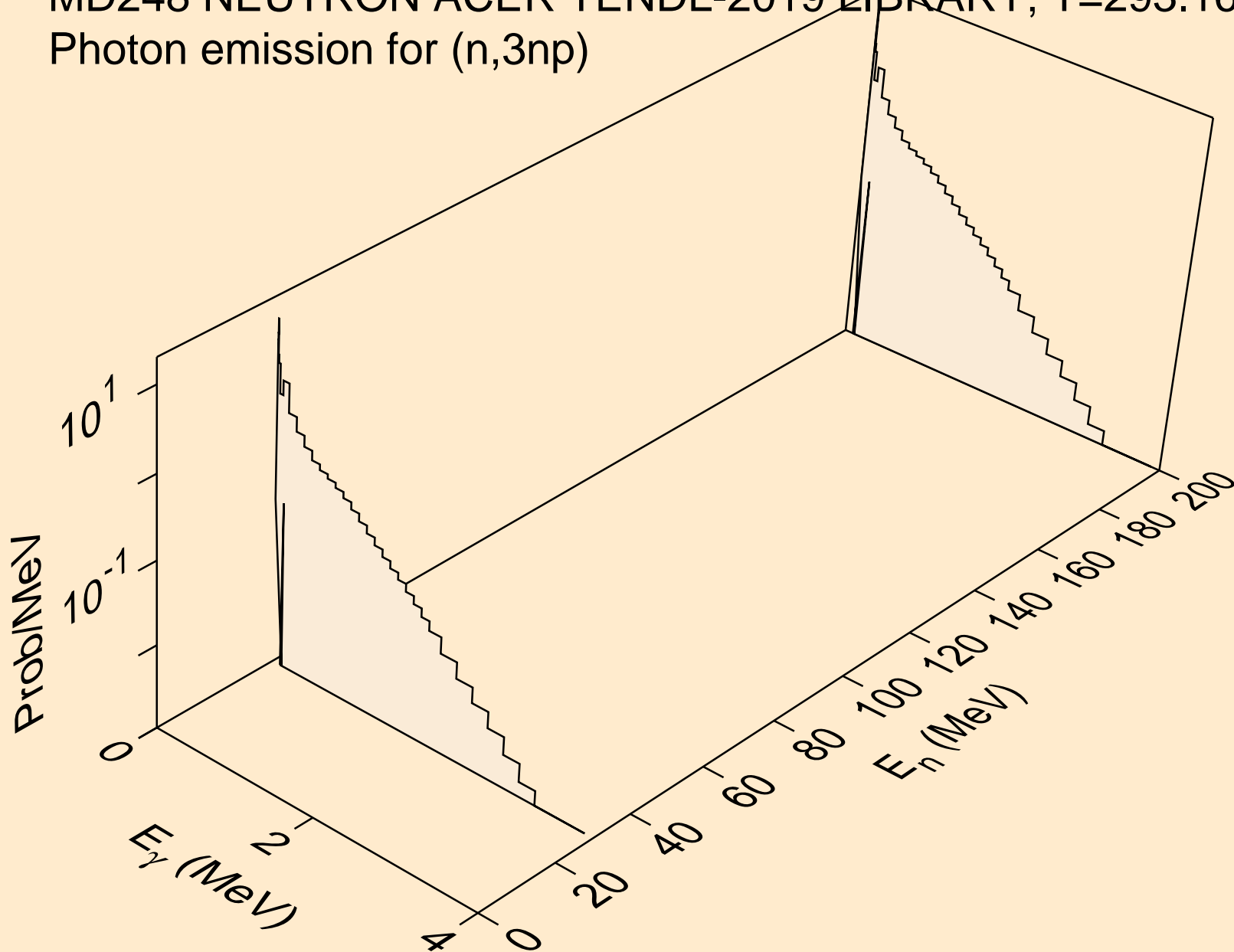
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)



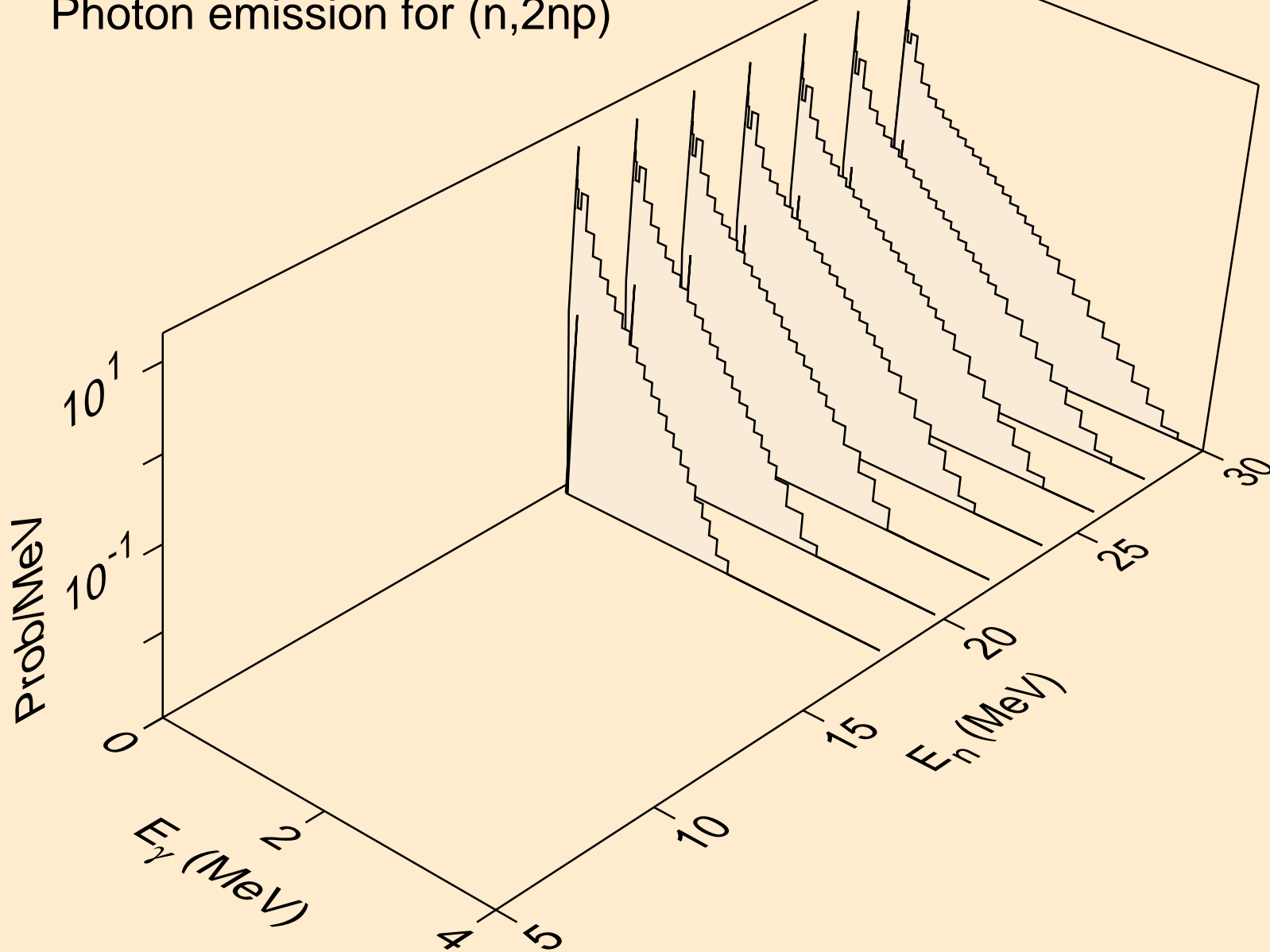
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



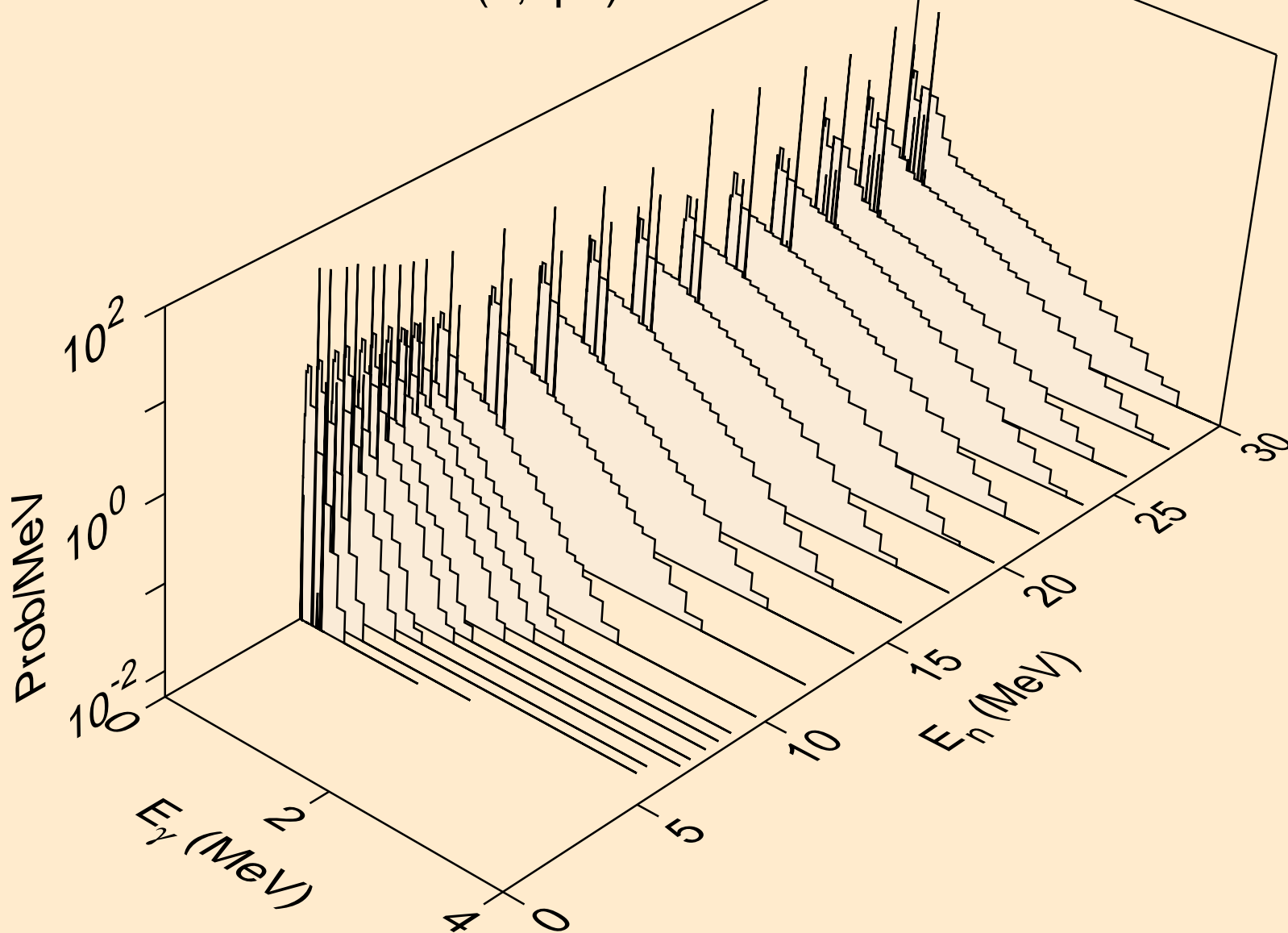
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)



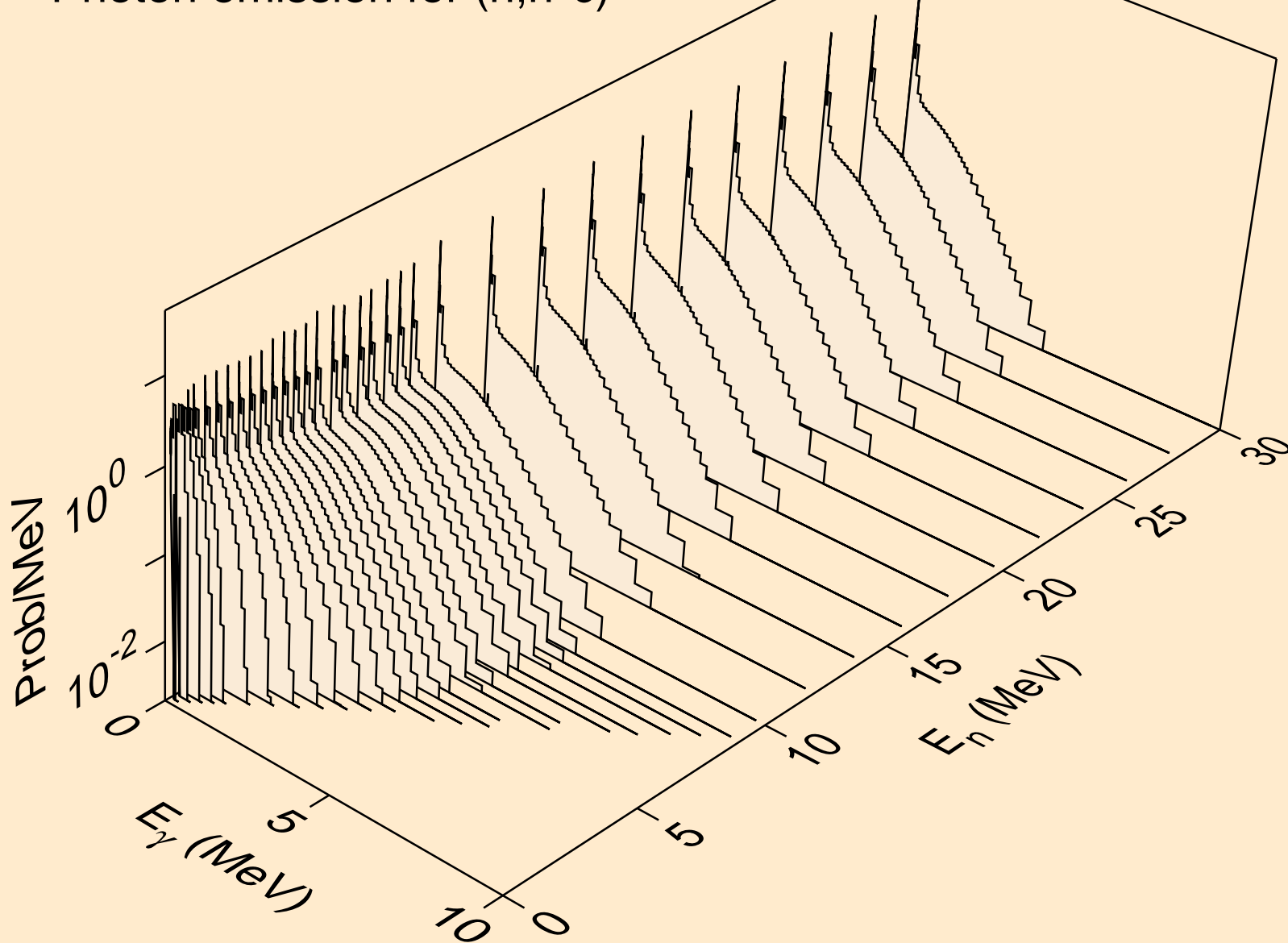
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



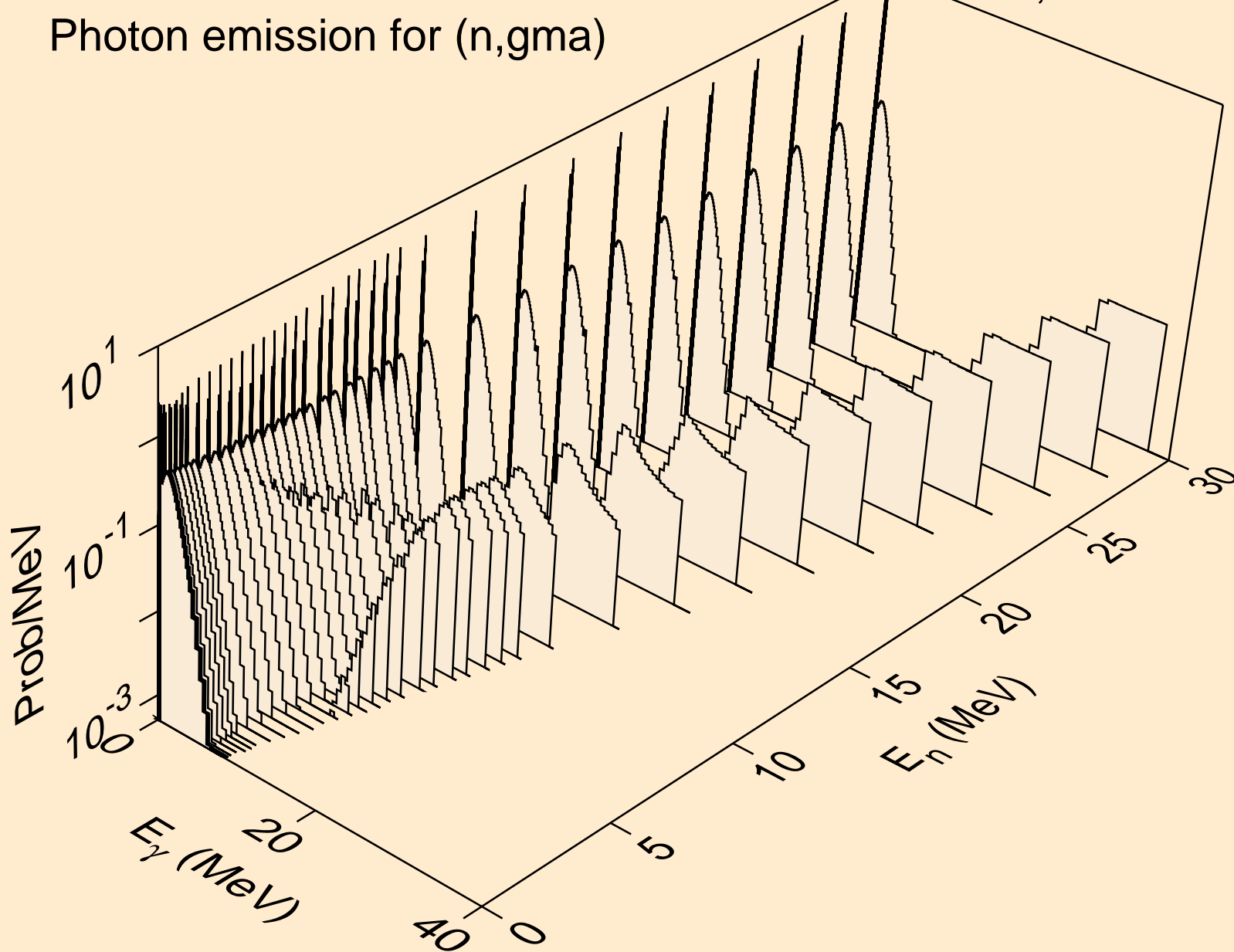
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)



MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)

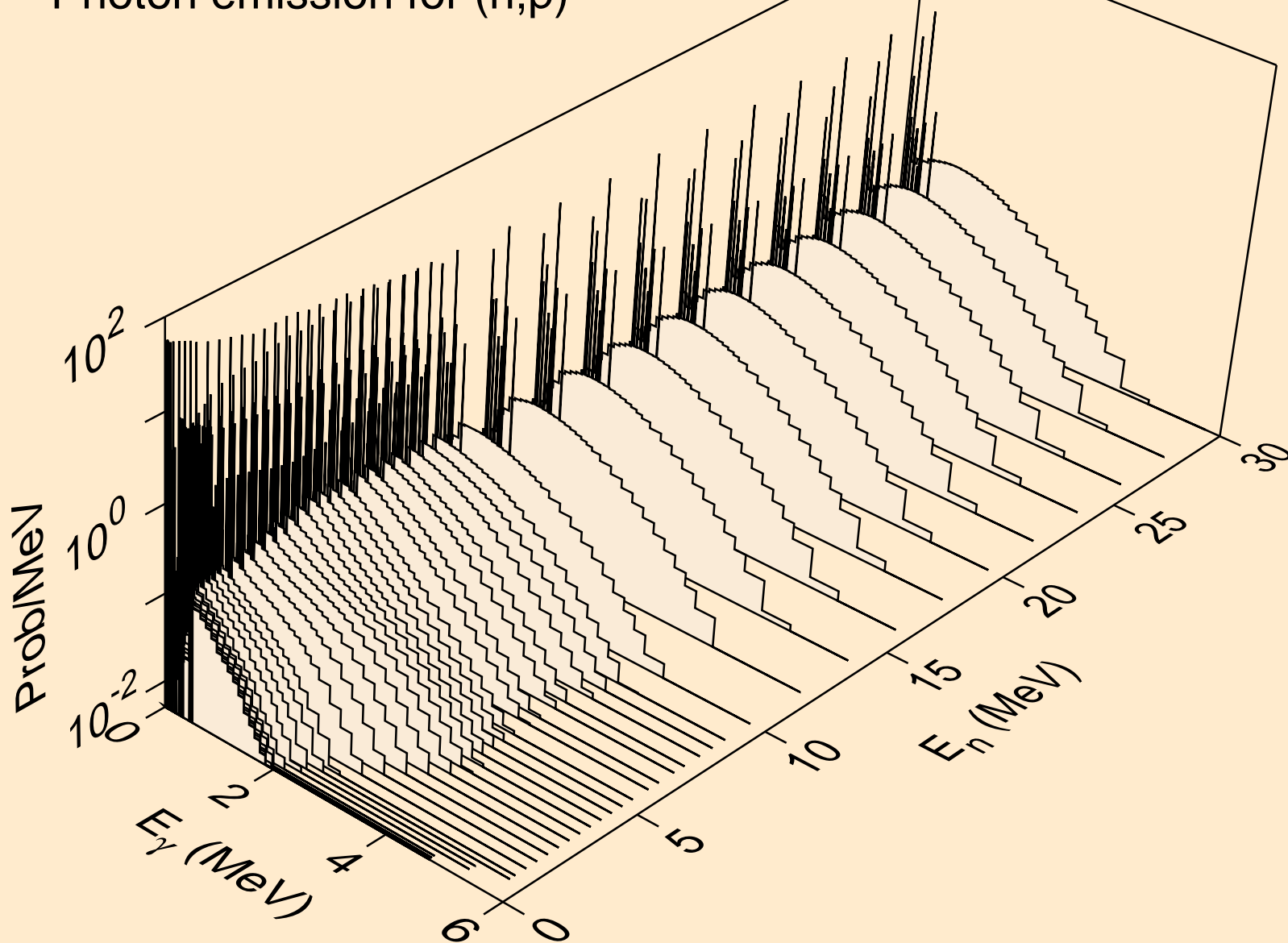


MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)

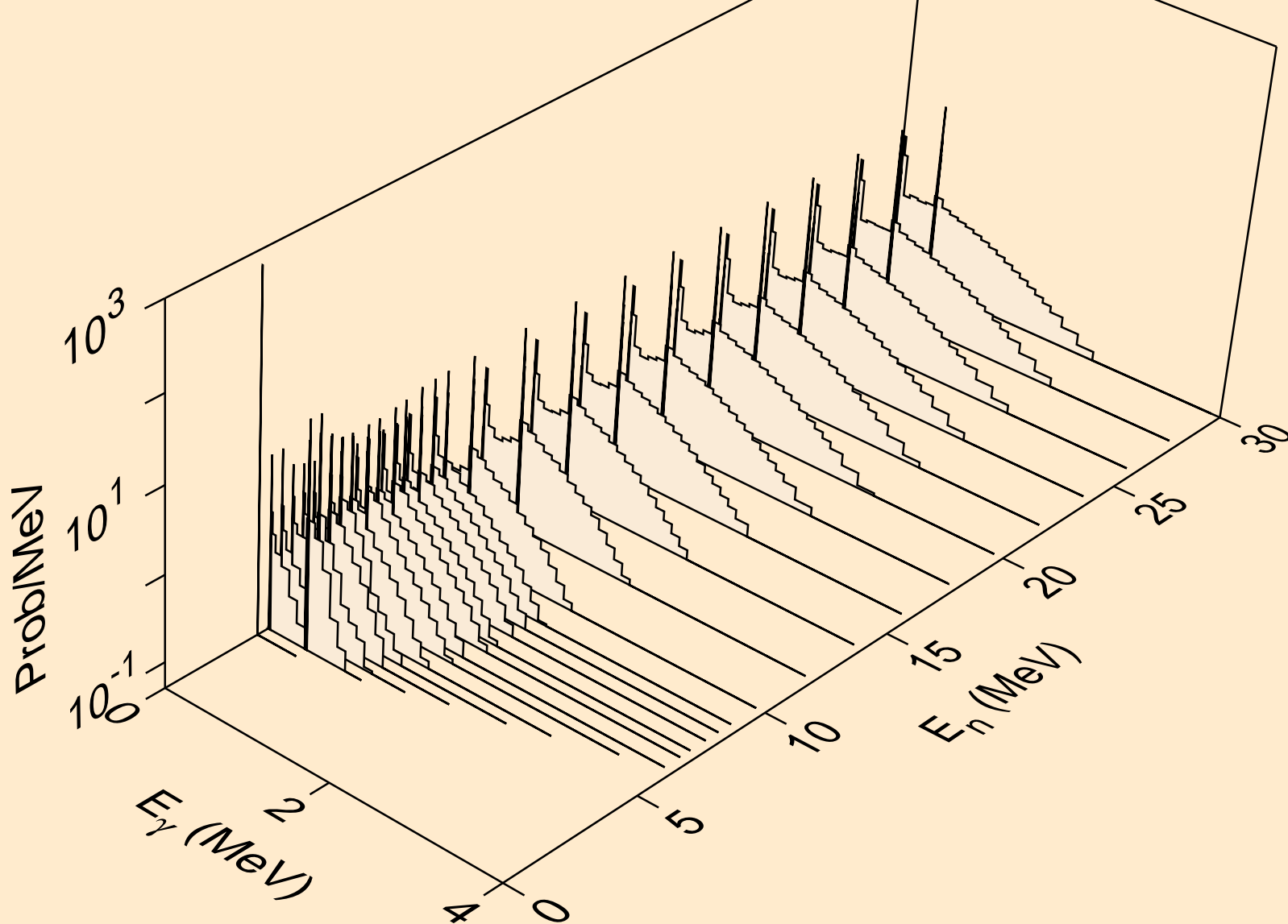




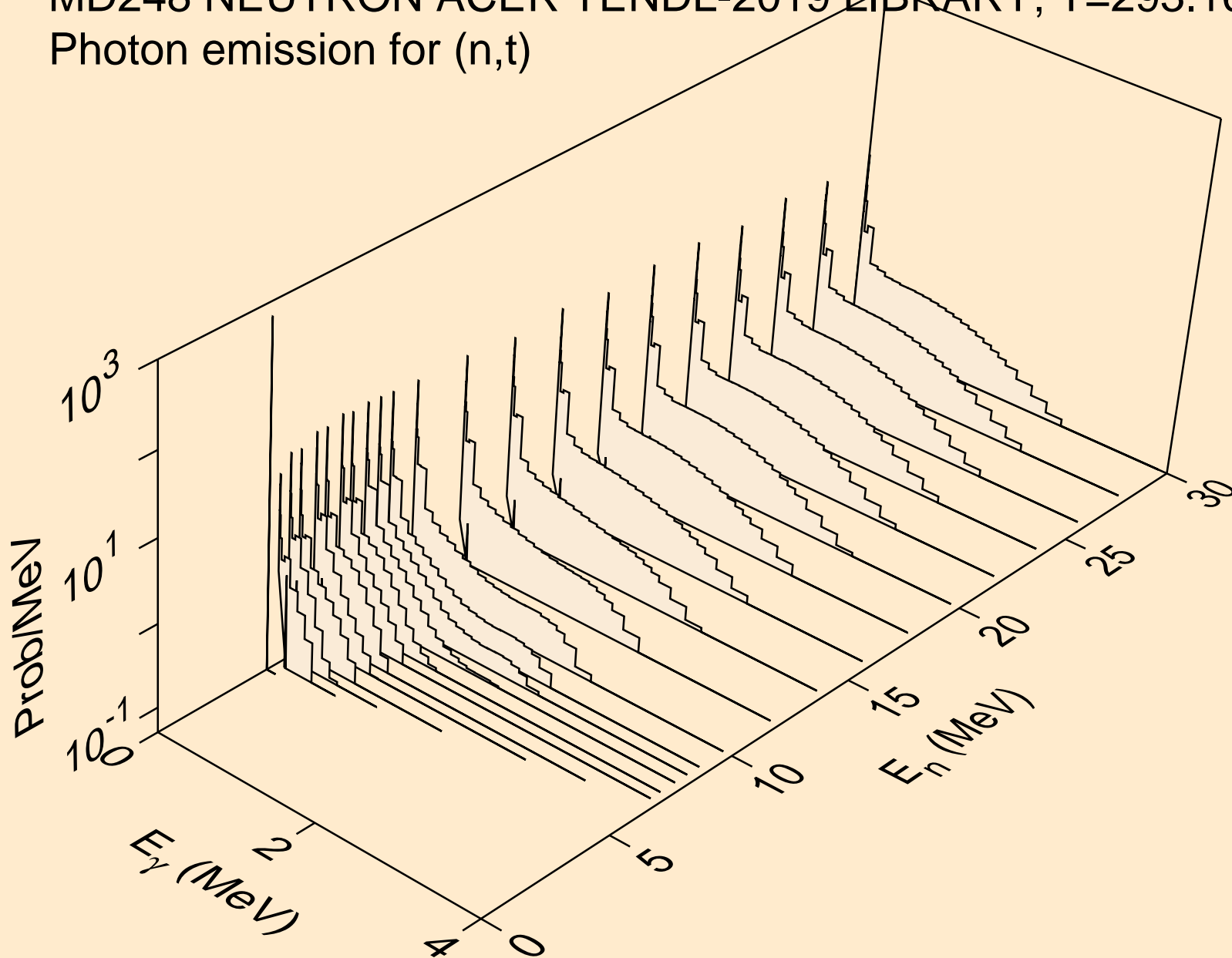
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



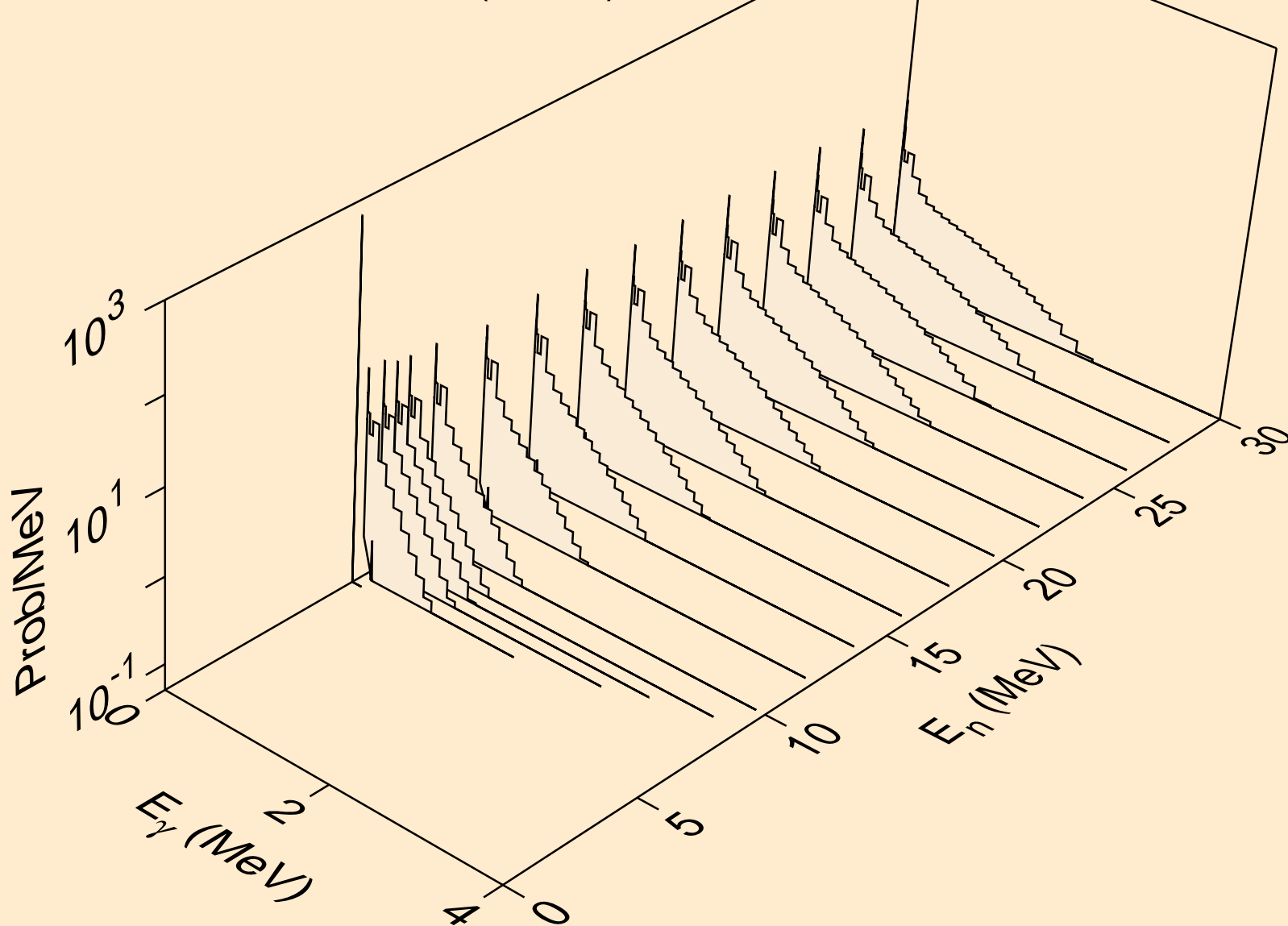
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)



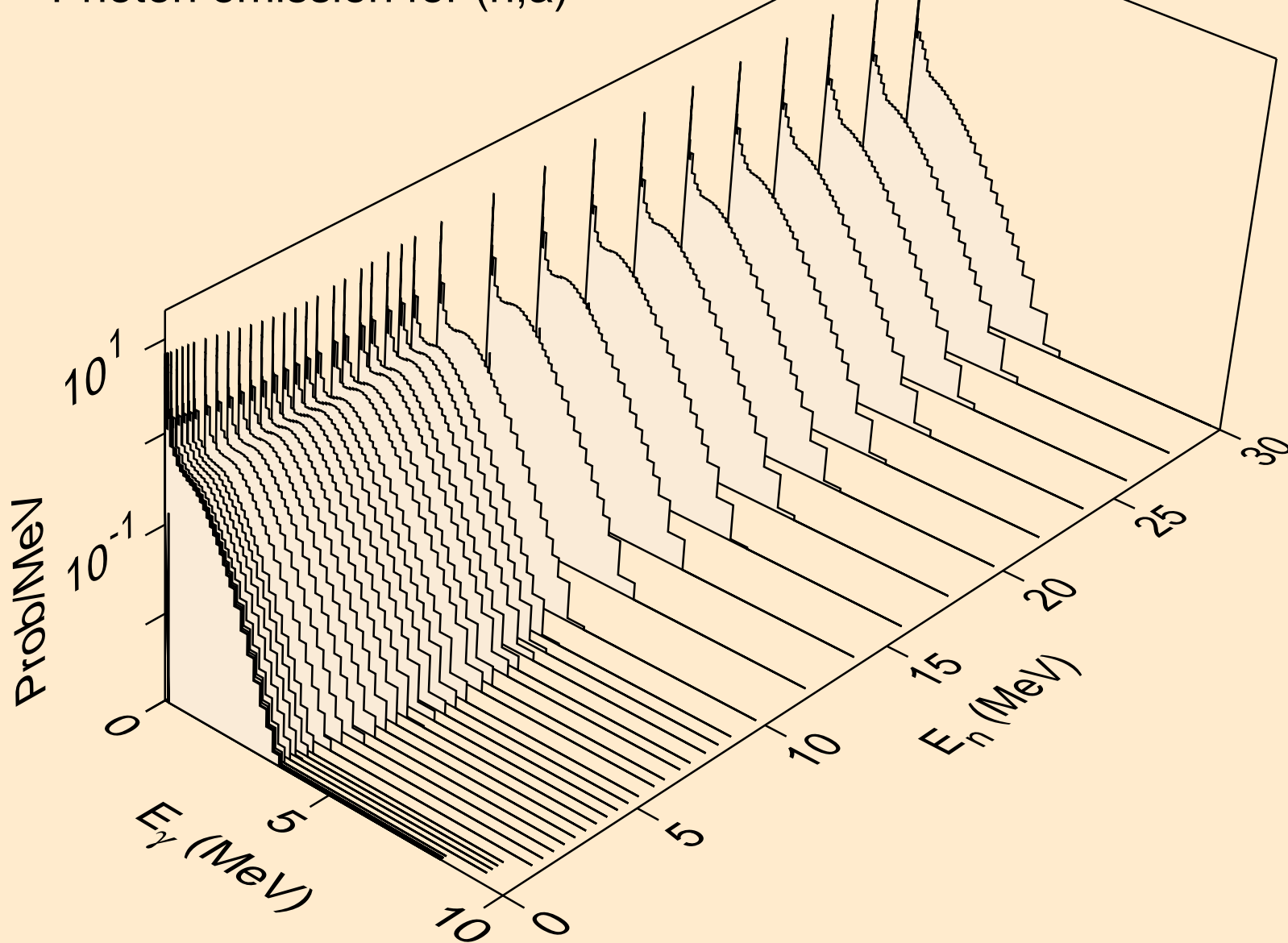
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



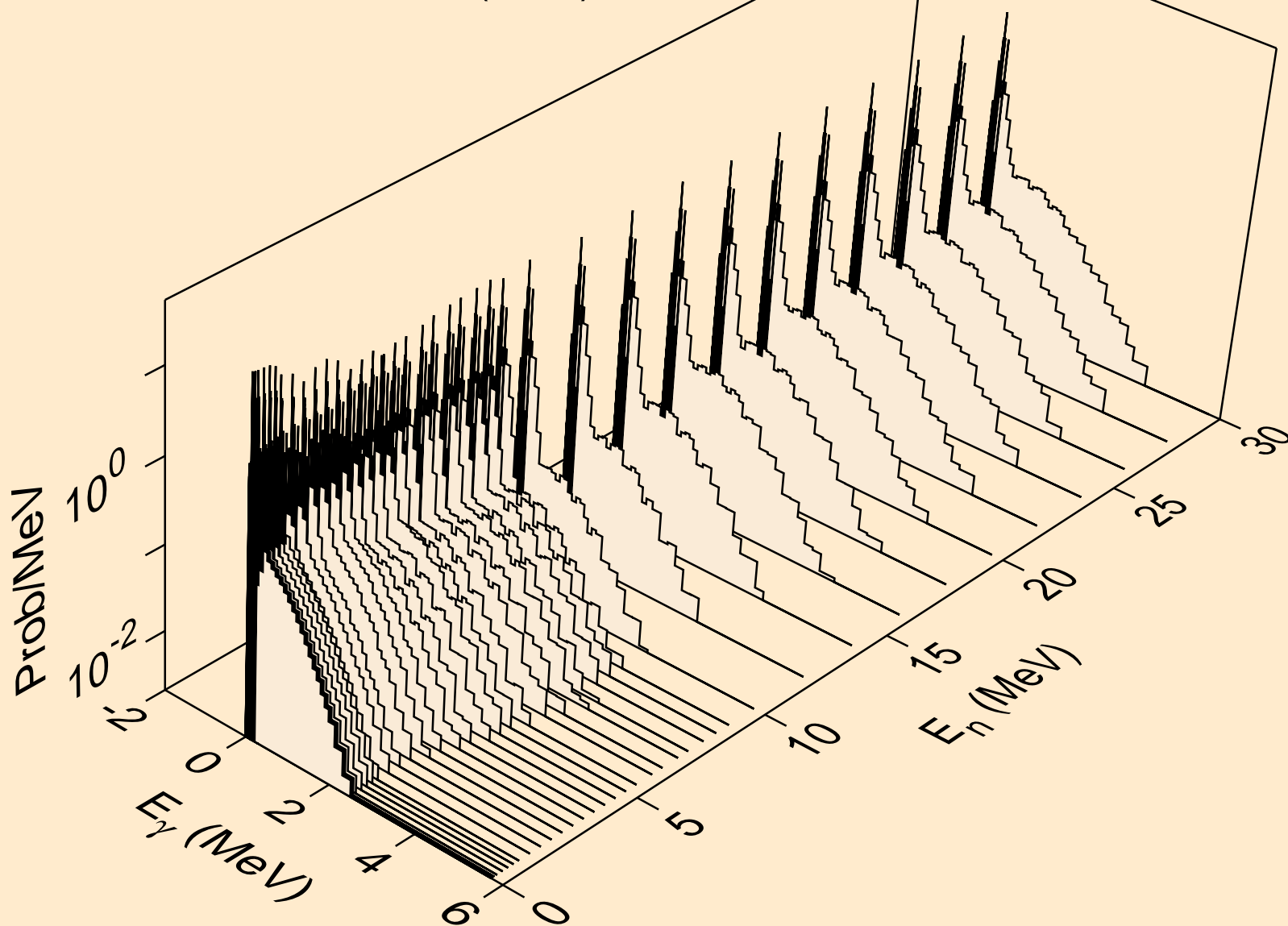
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)



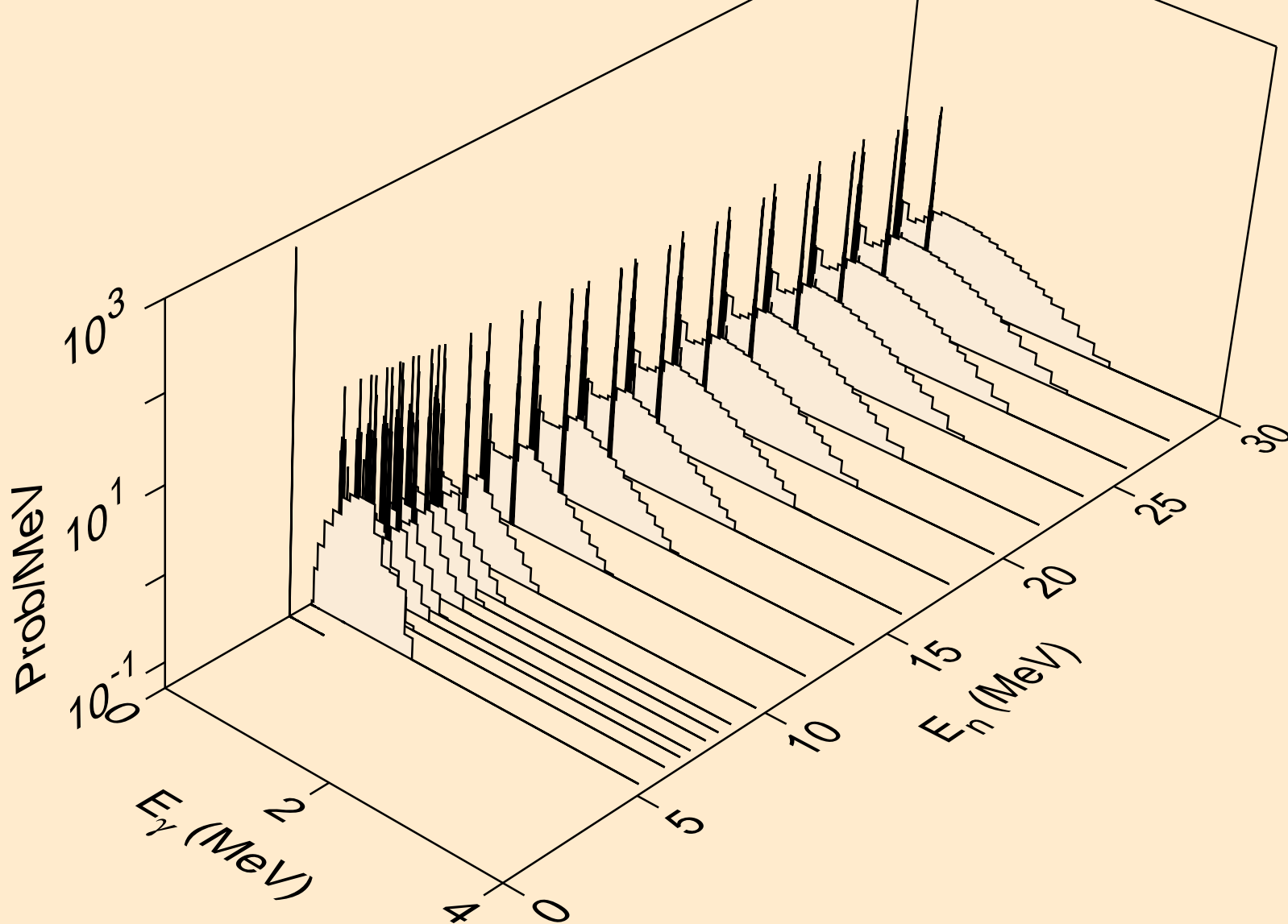
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



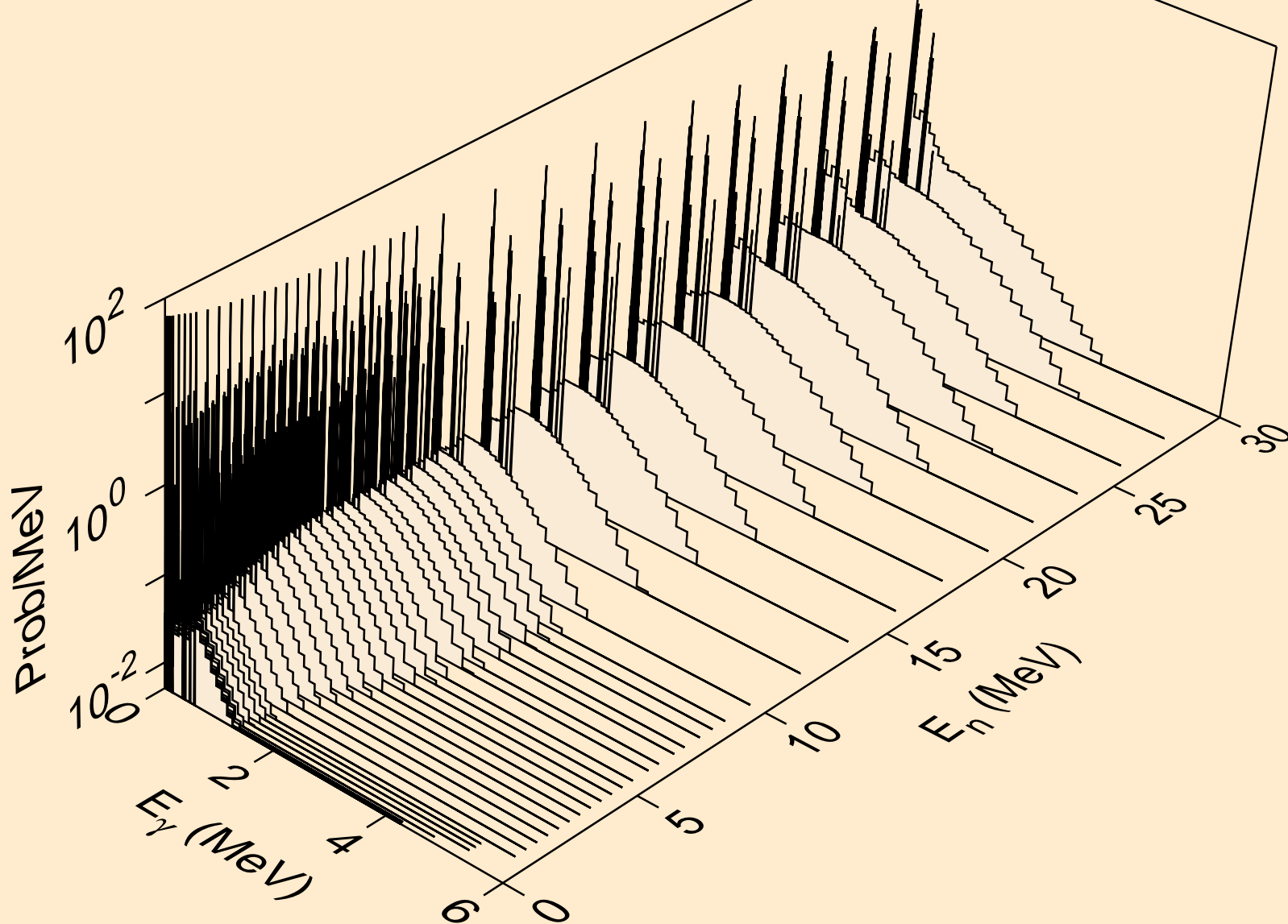
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2a)



MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)

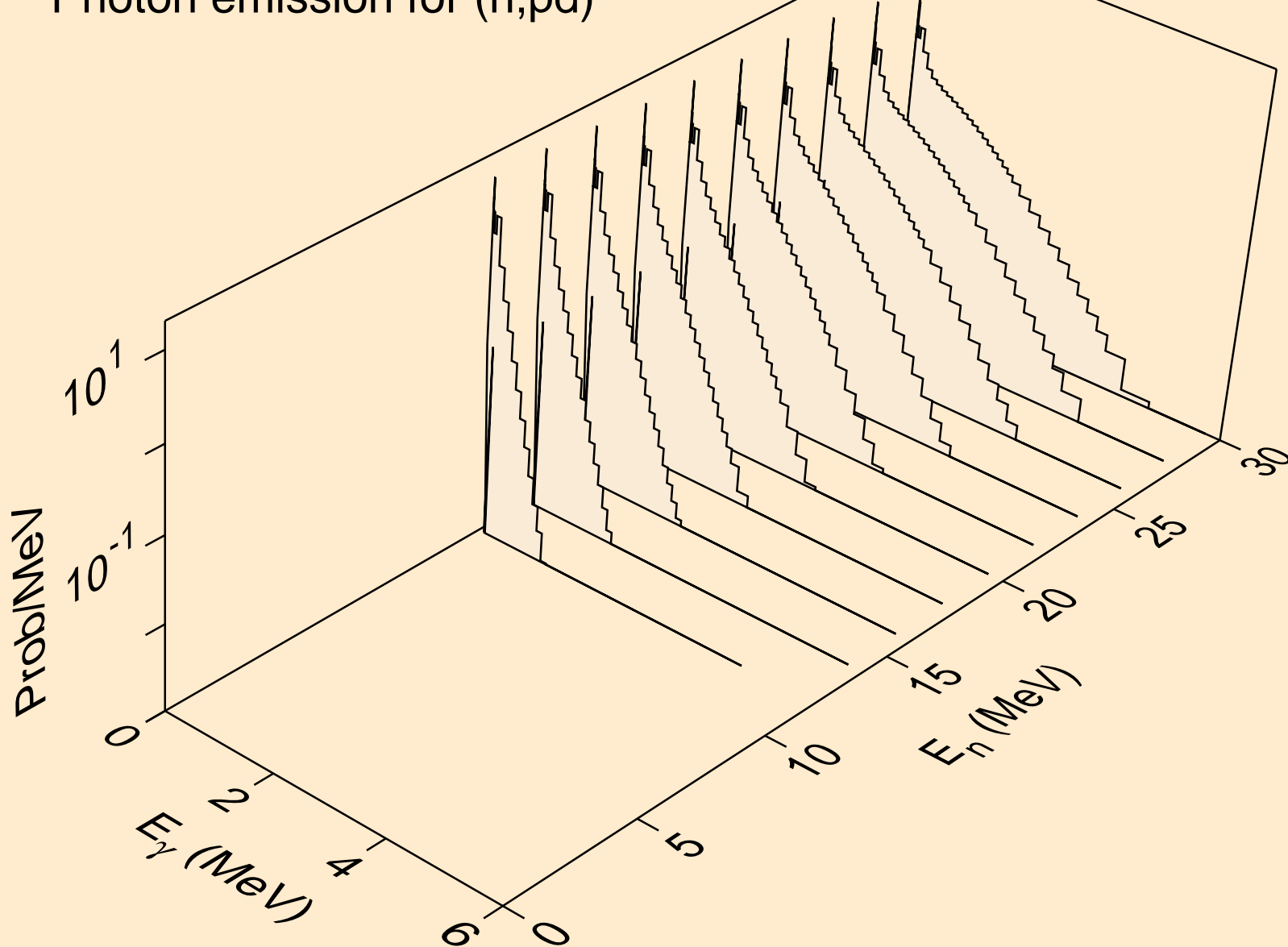


MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p $\alpha$ )

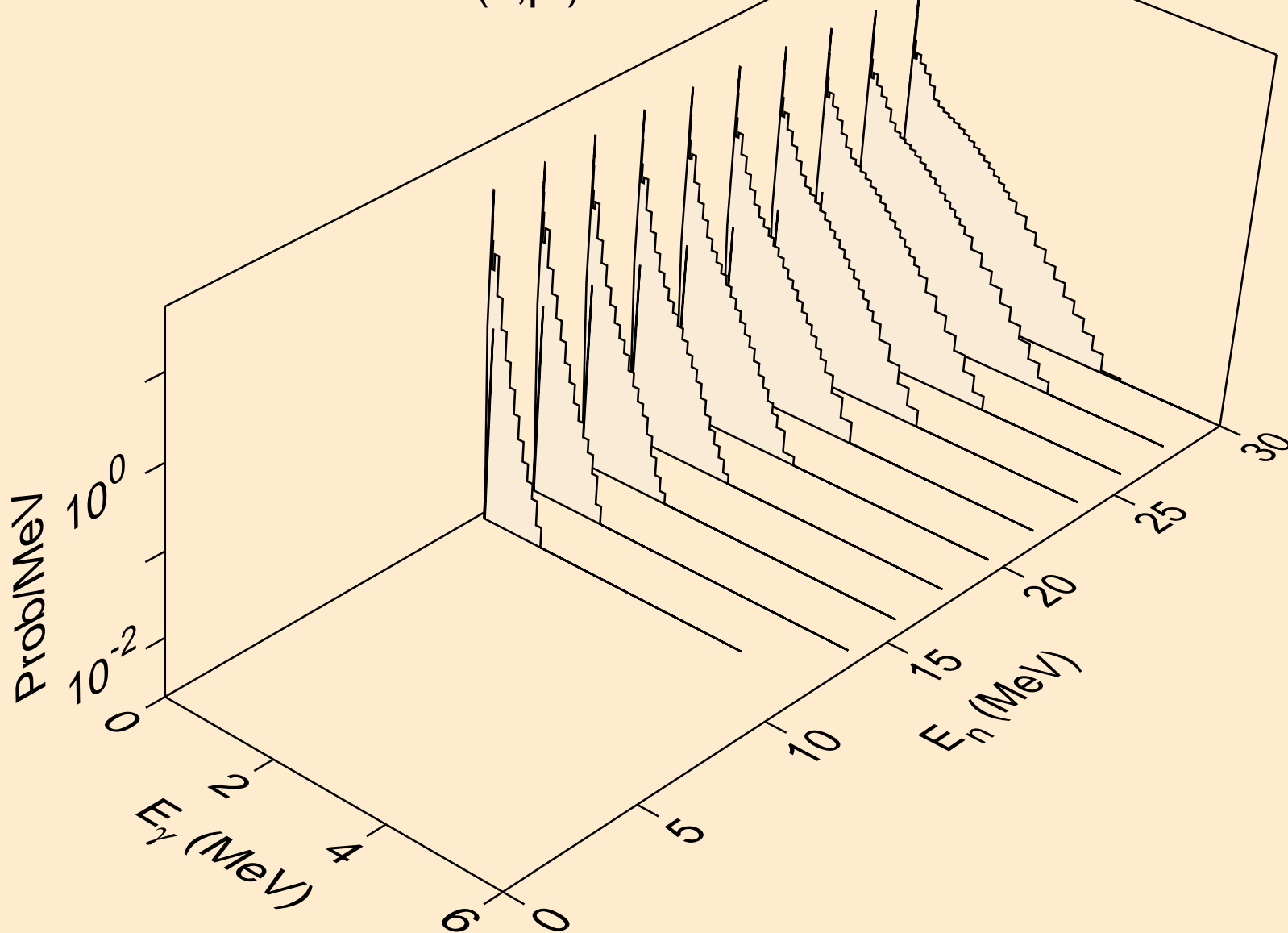




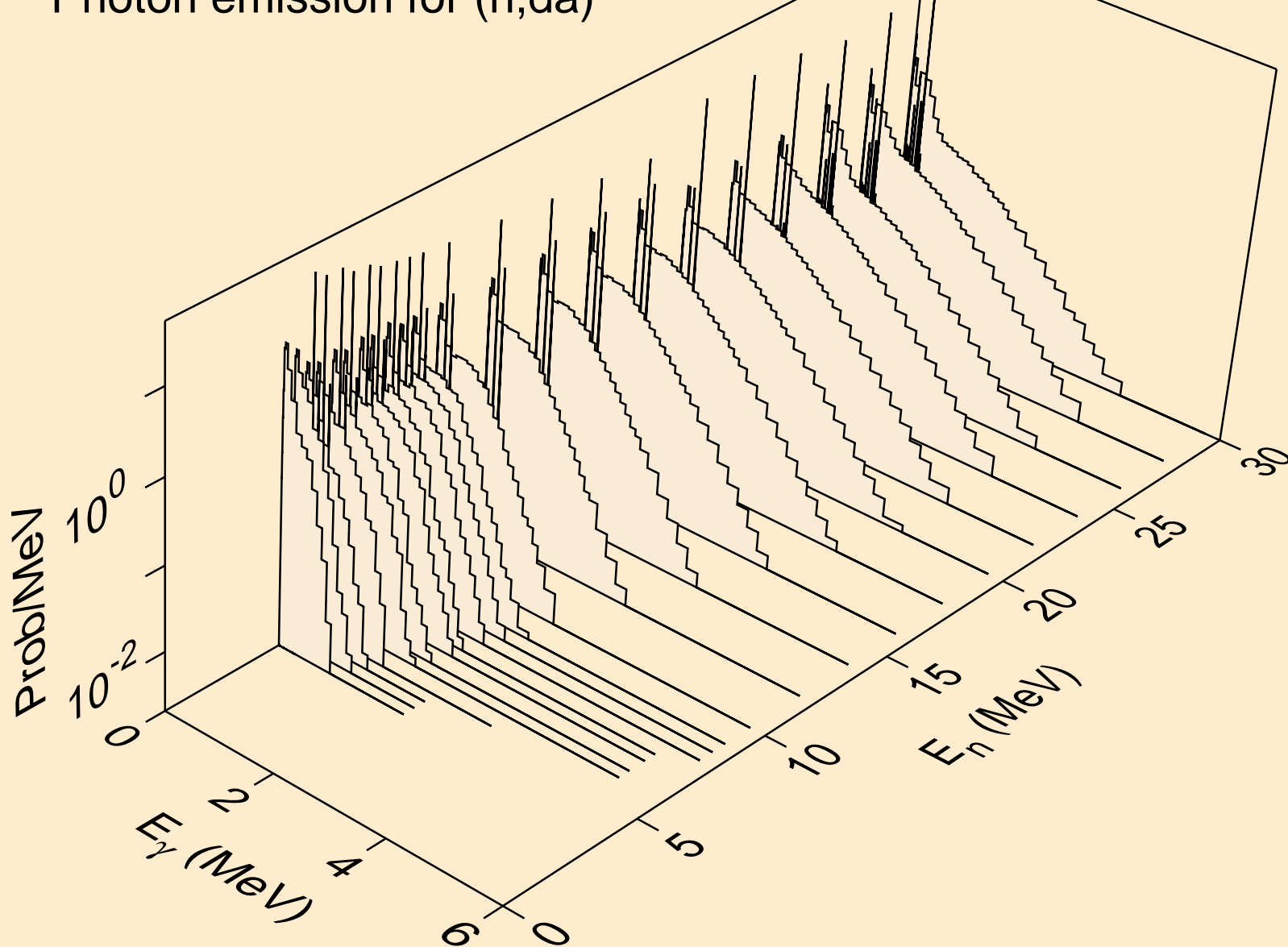
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)



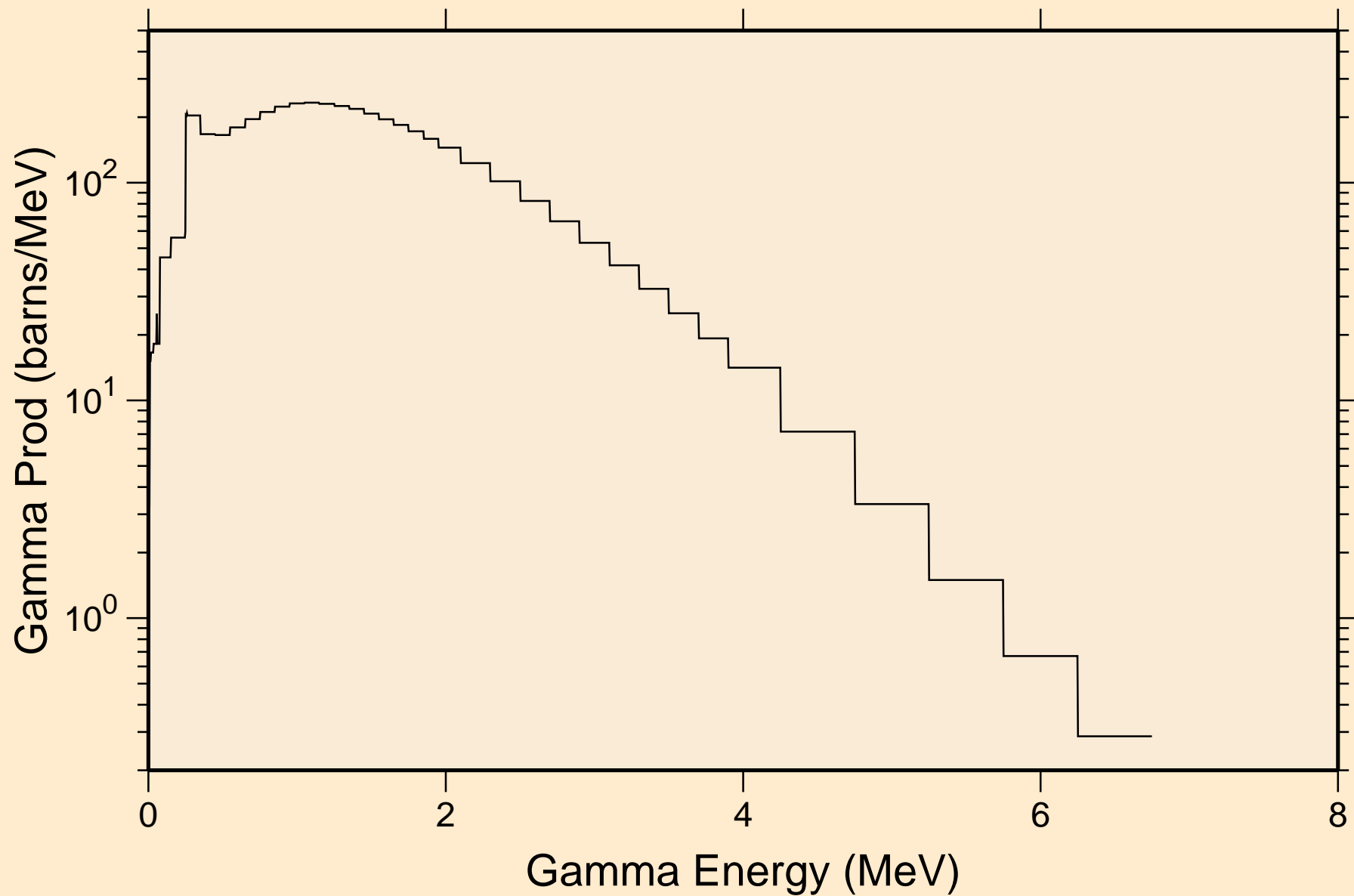
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pt)



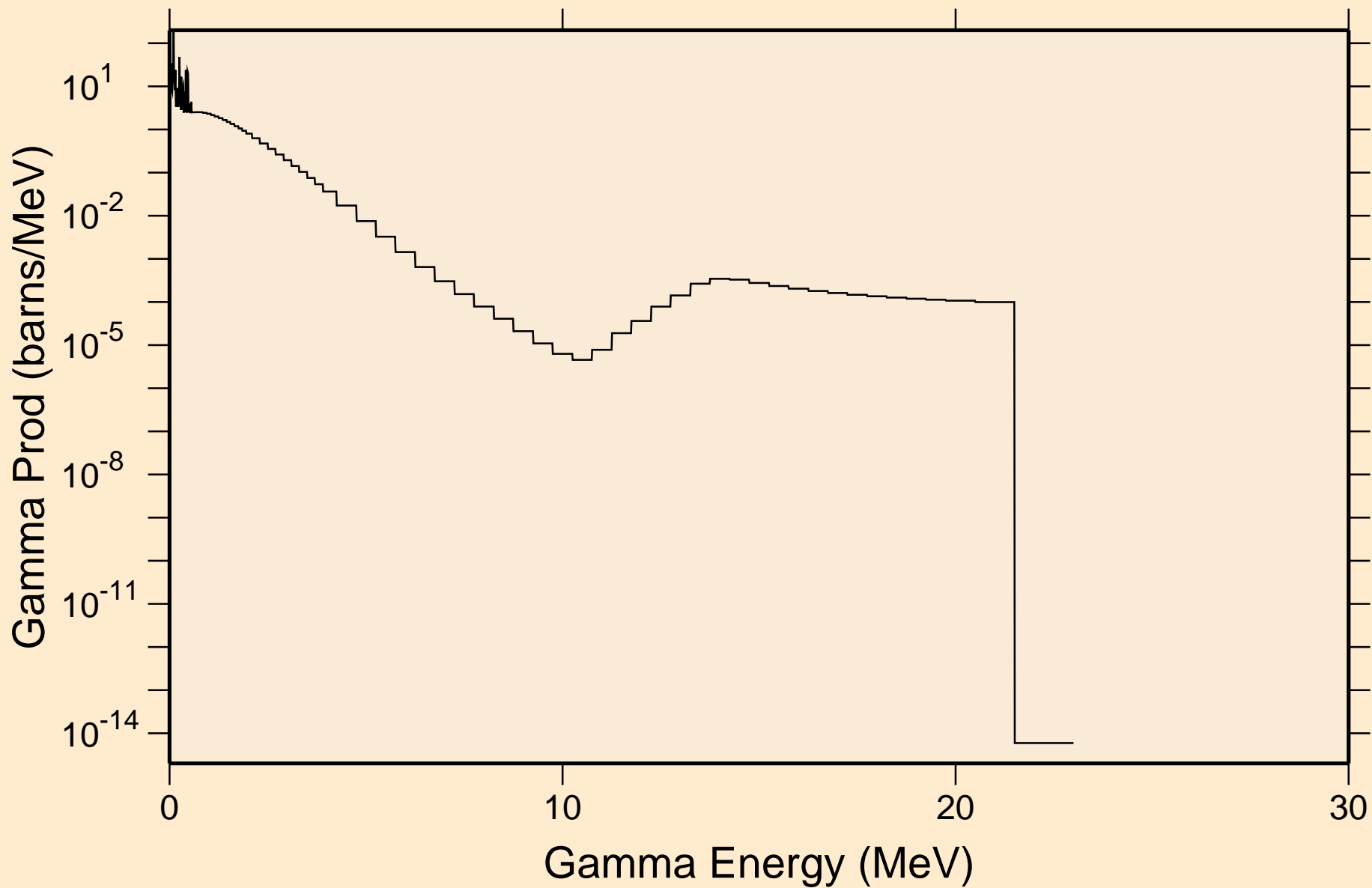
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)



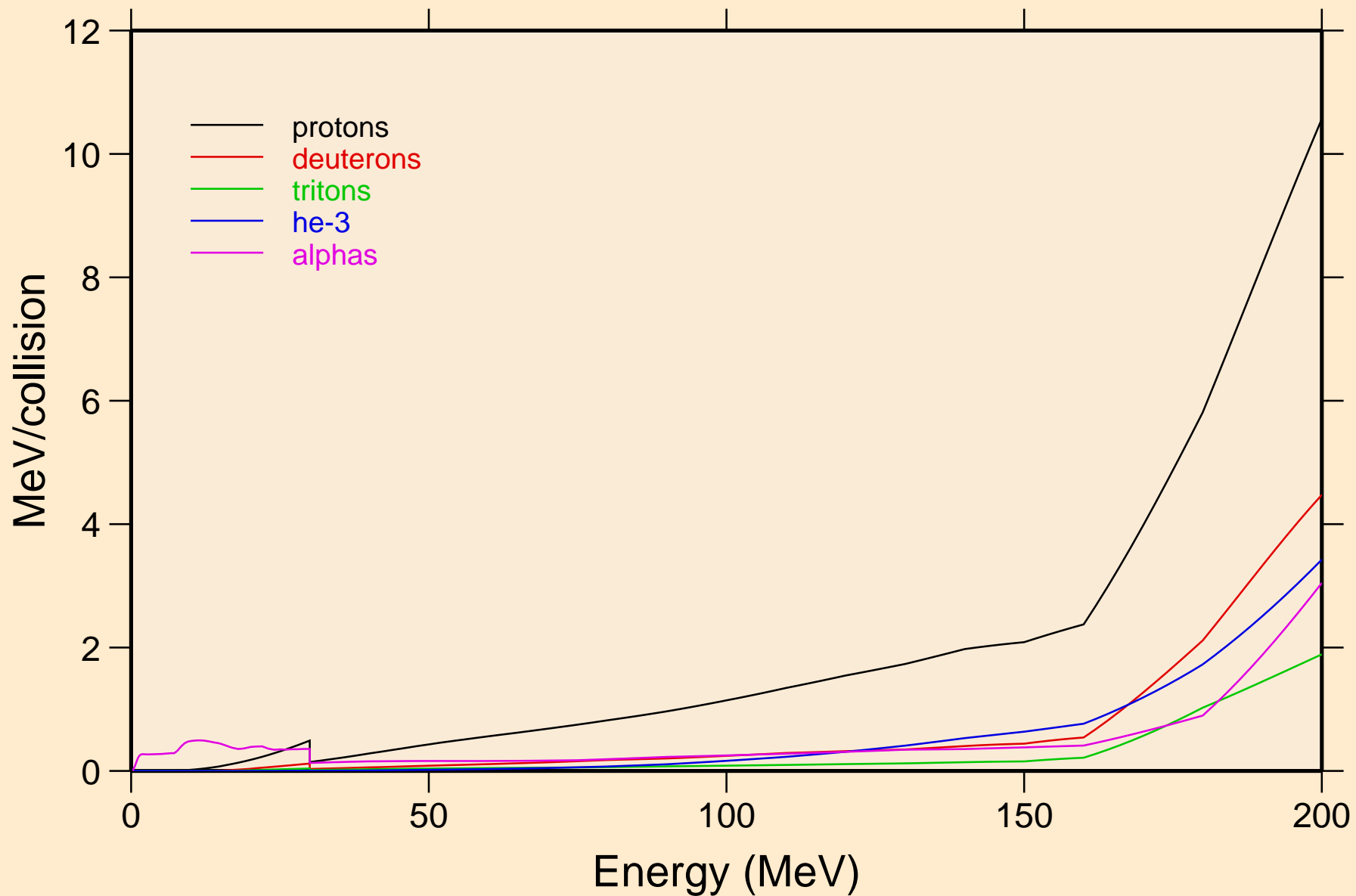
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum



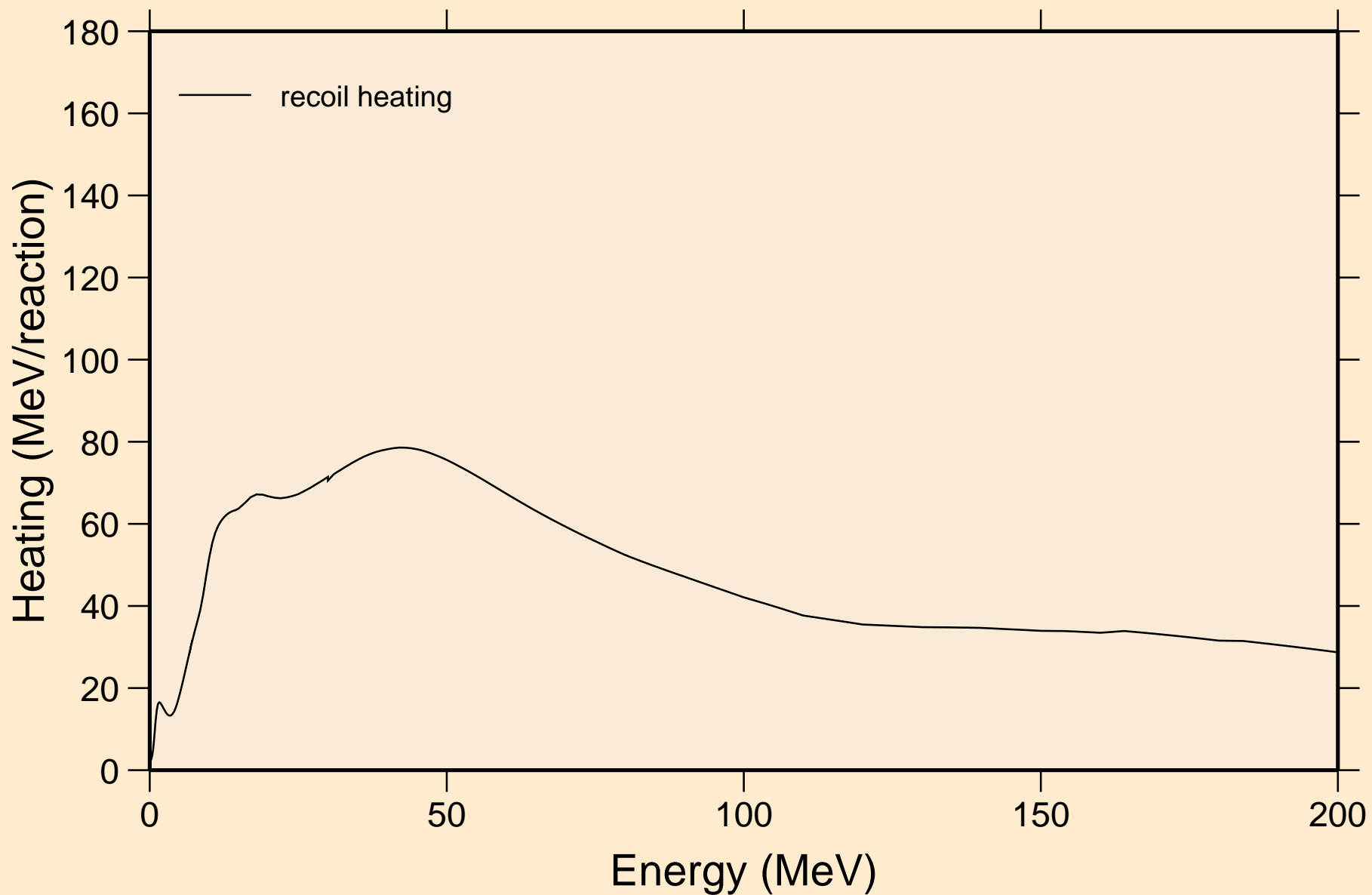
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum



MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle heating contributions

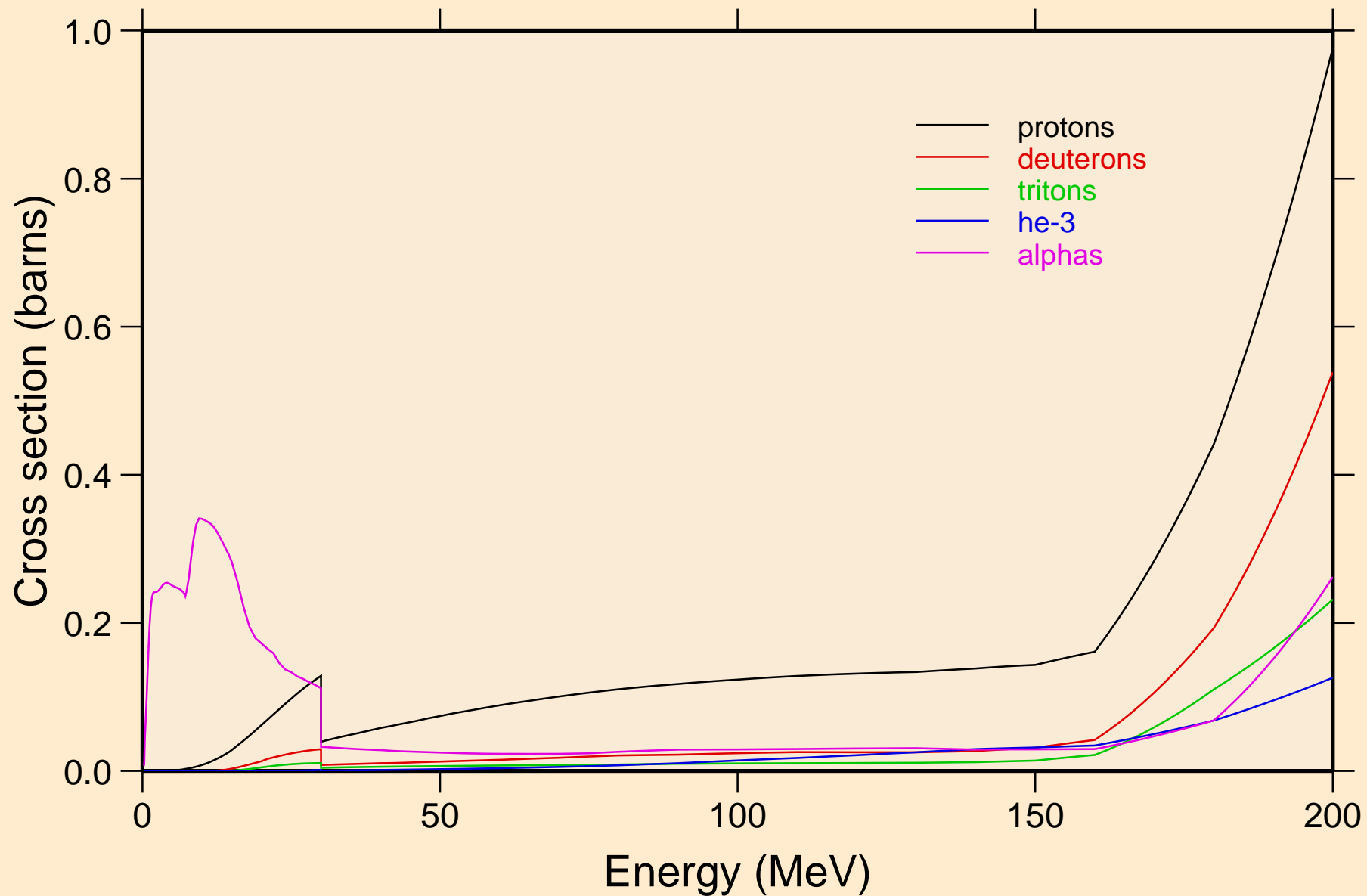


MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating



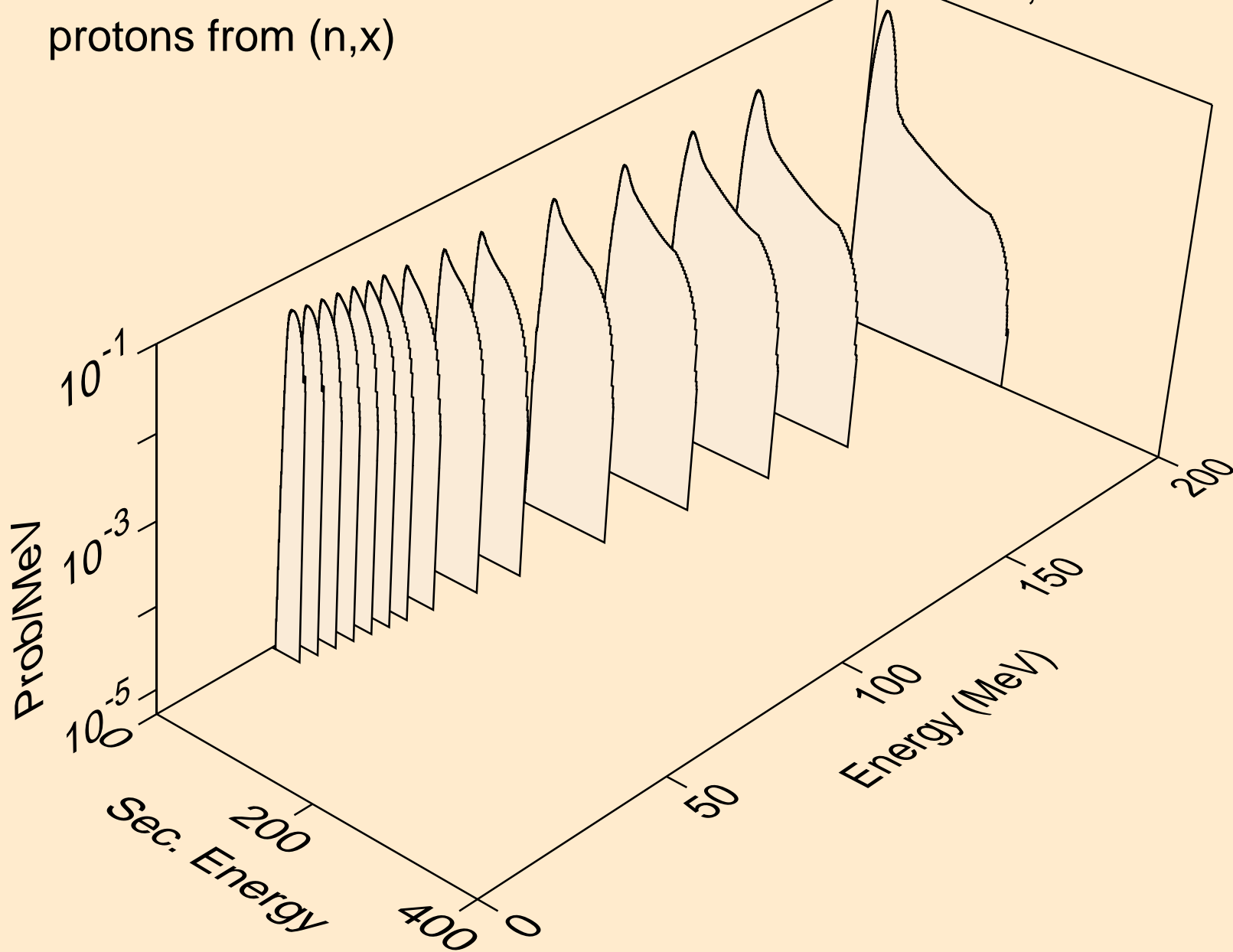
# MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Particle production cross sections

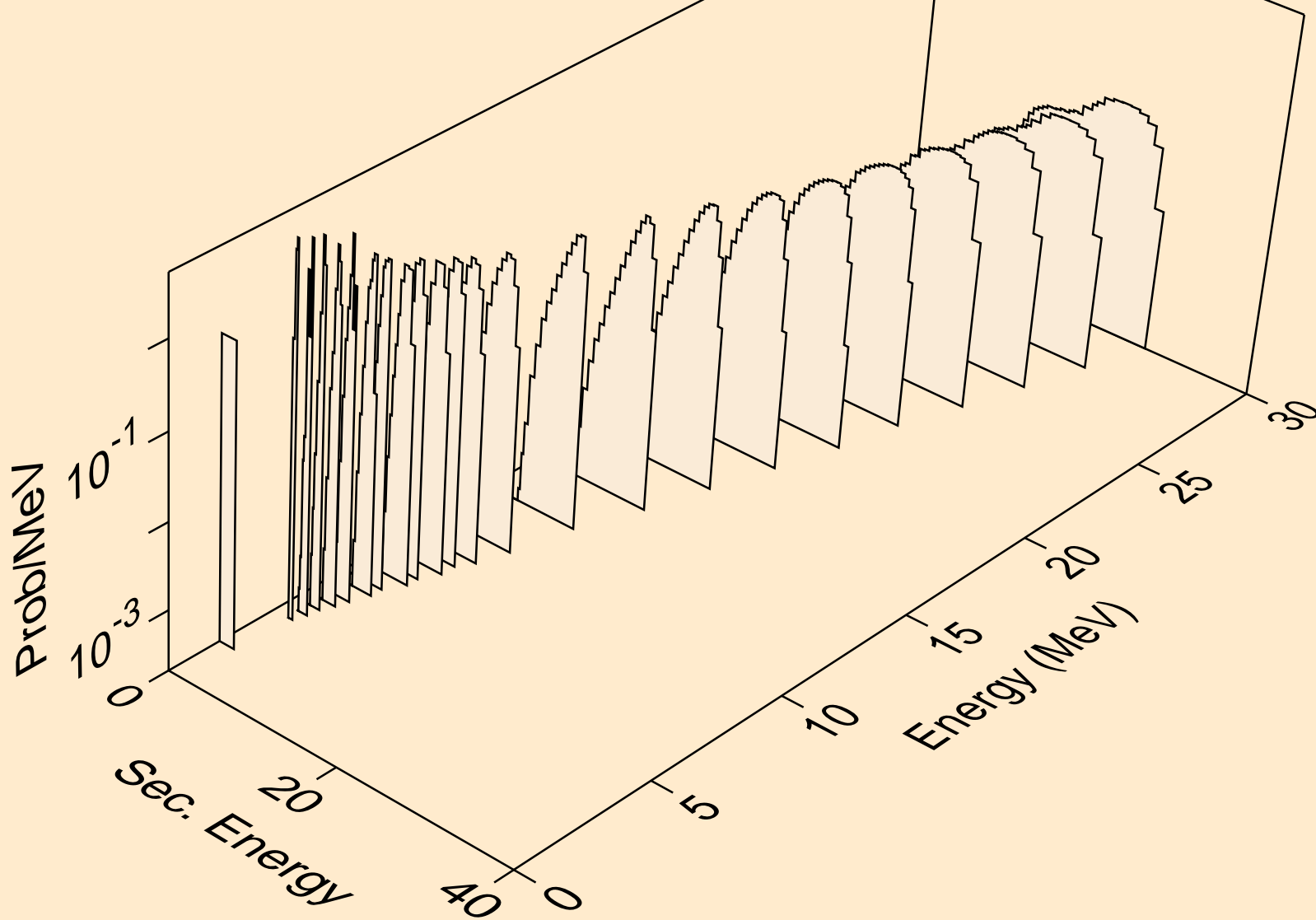




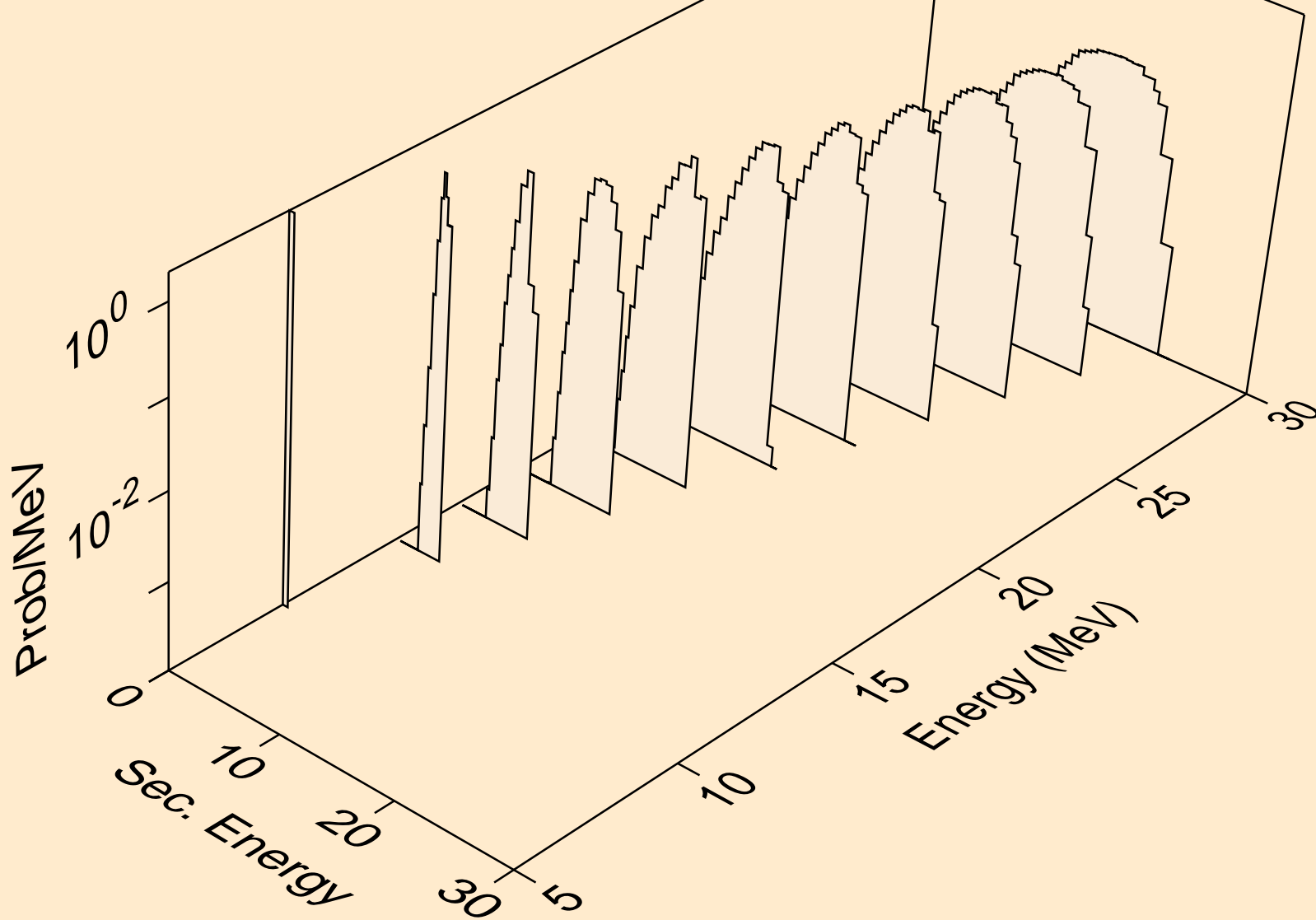
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



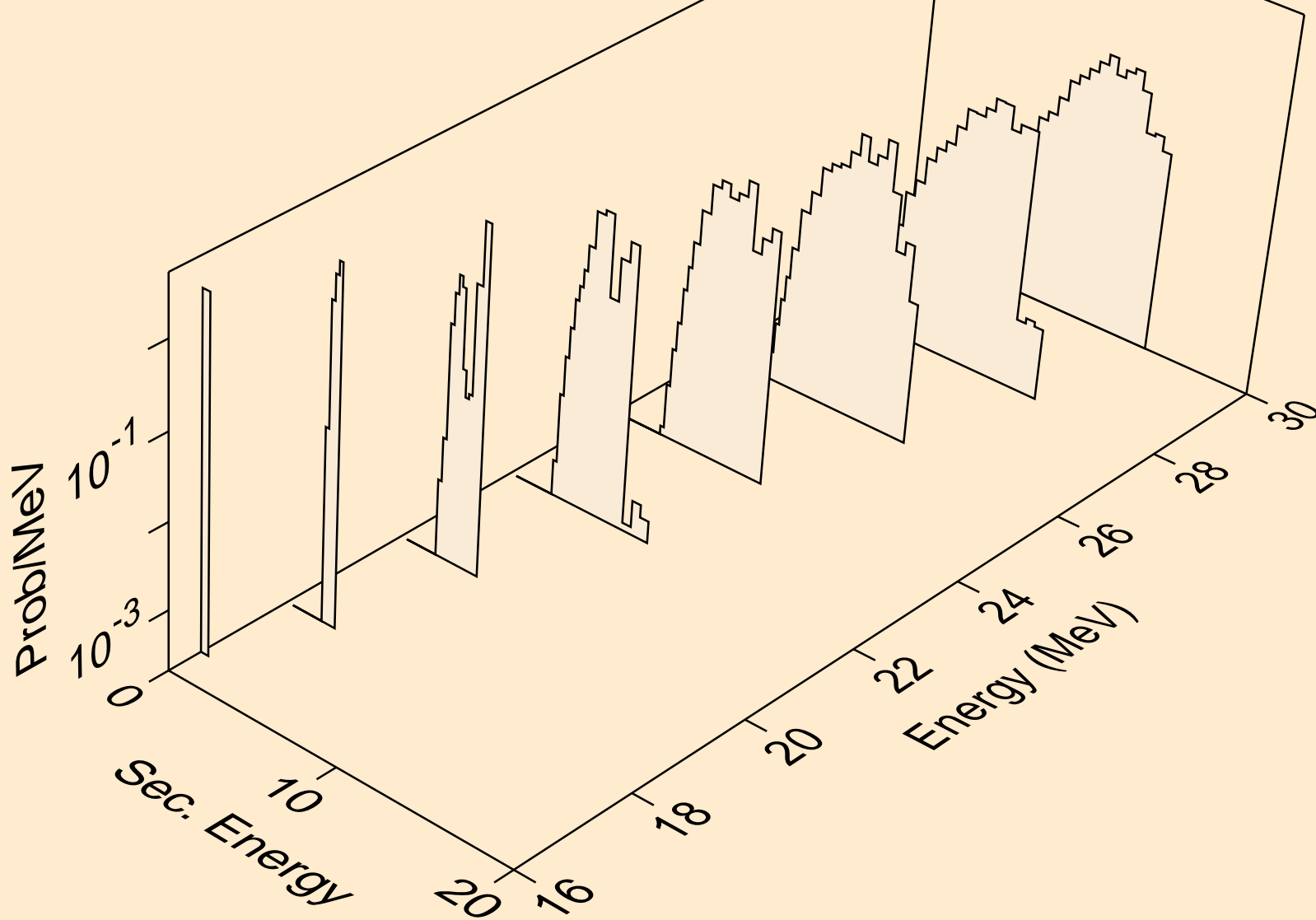
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



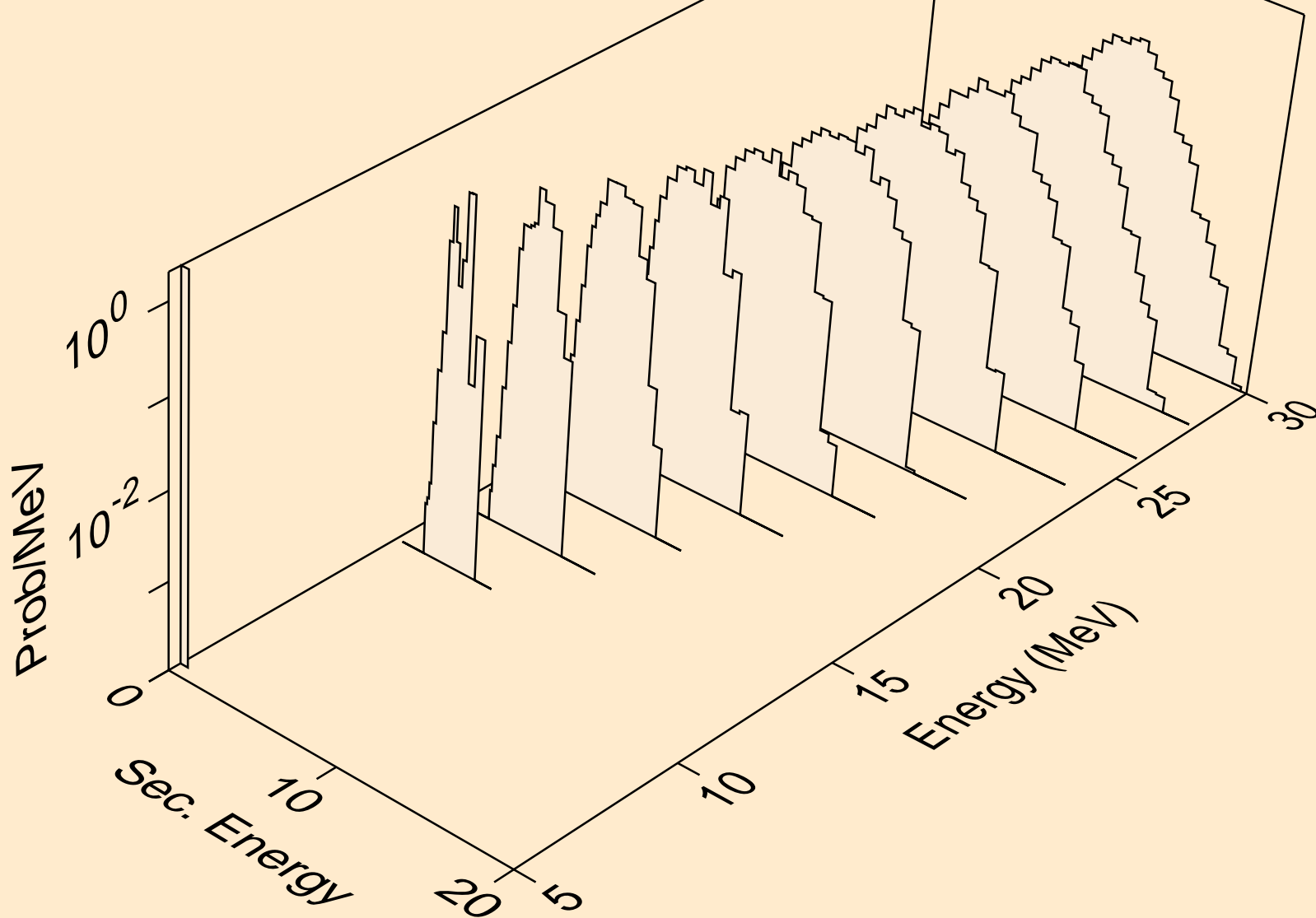
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



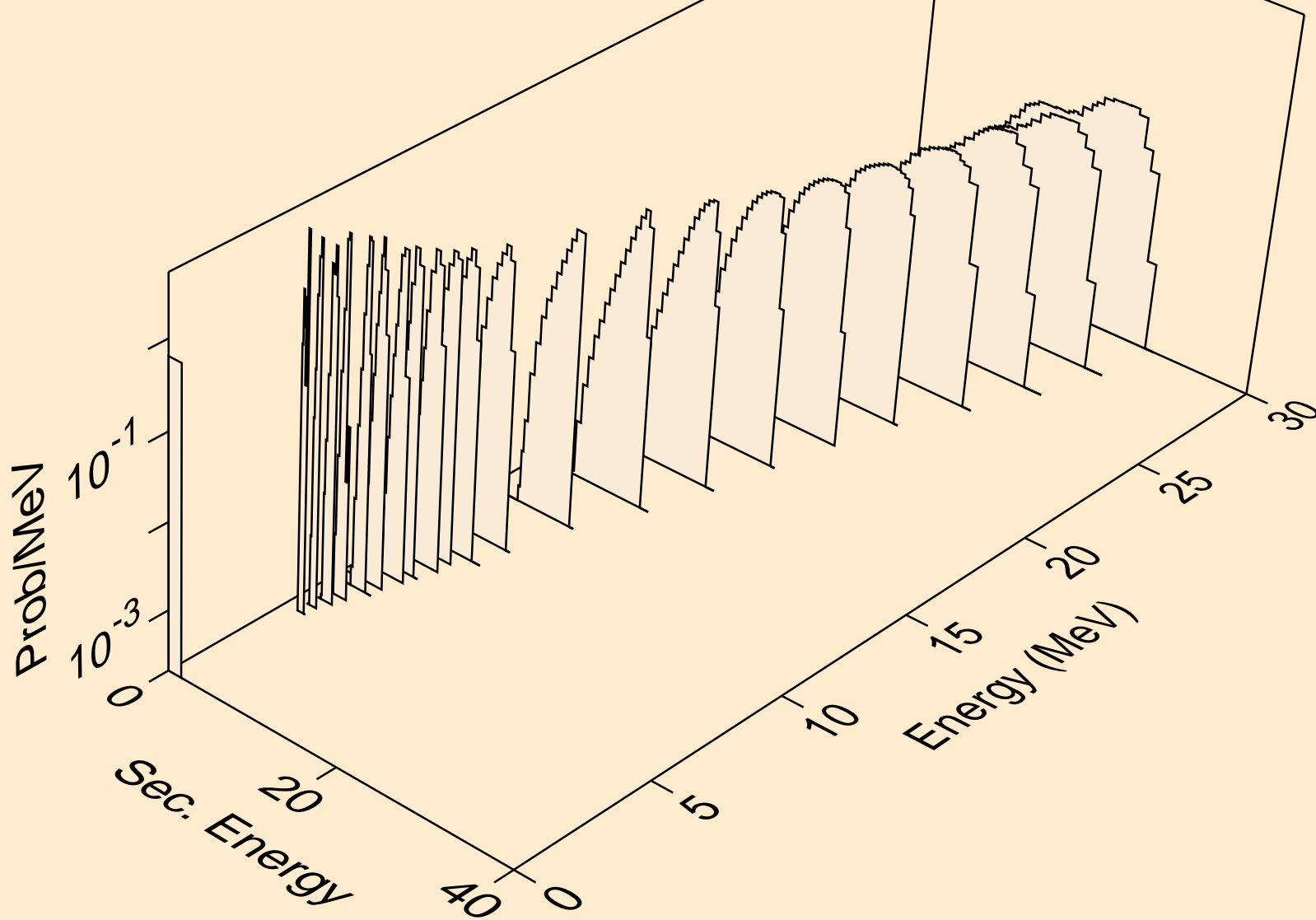
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)



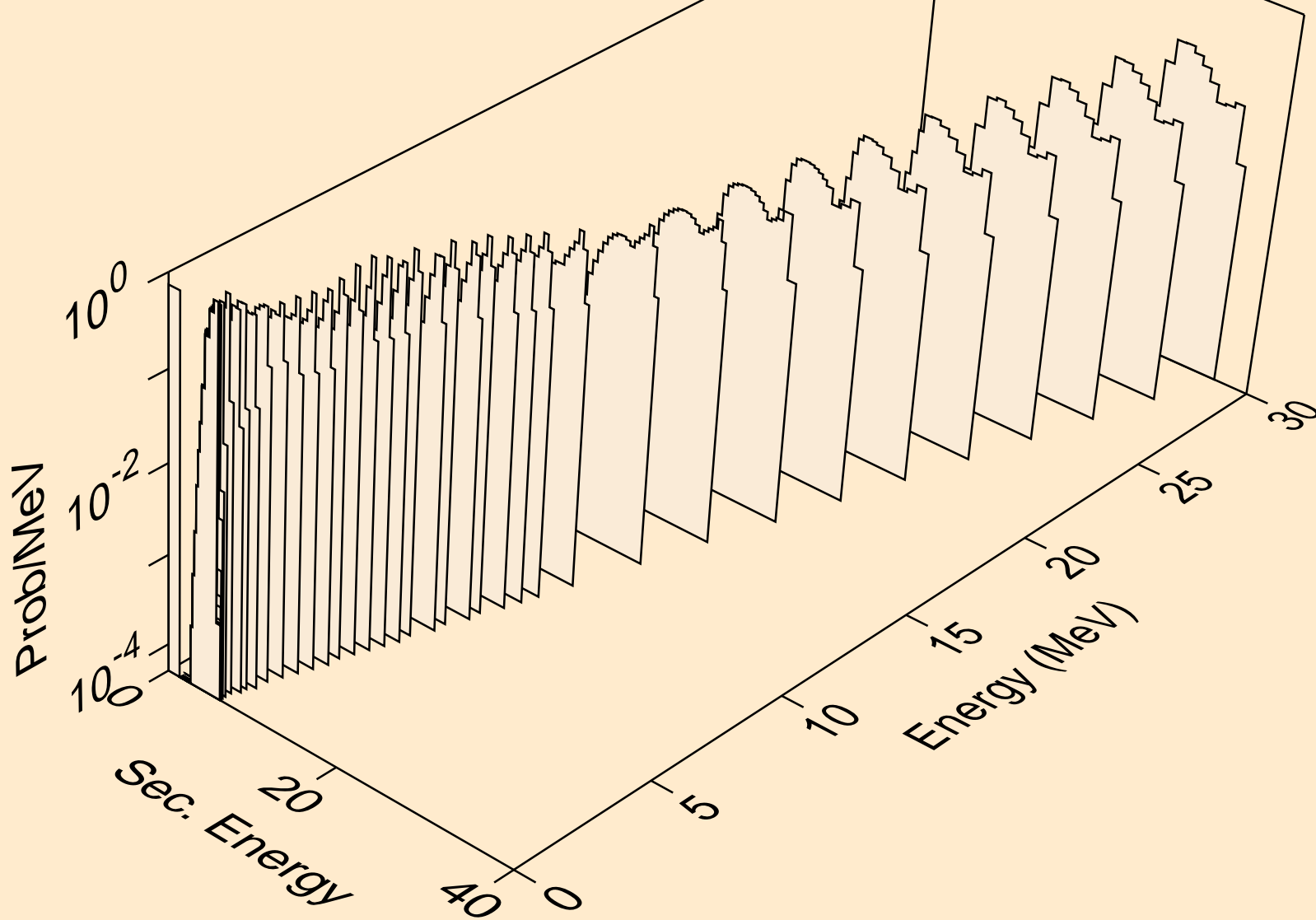
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



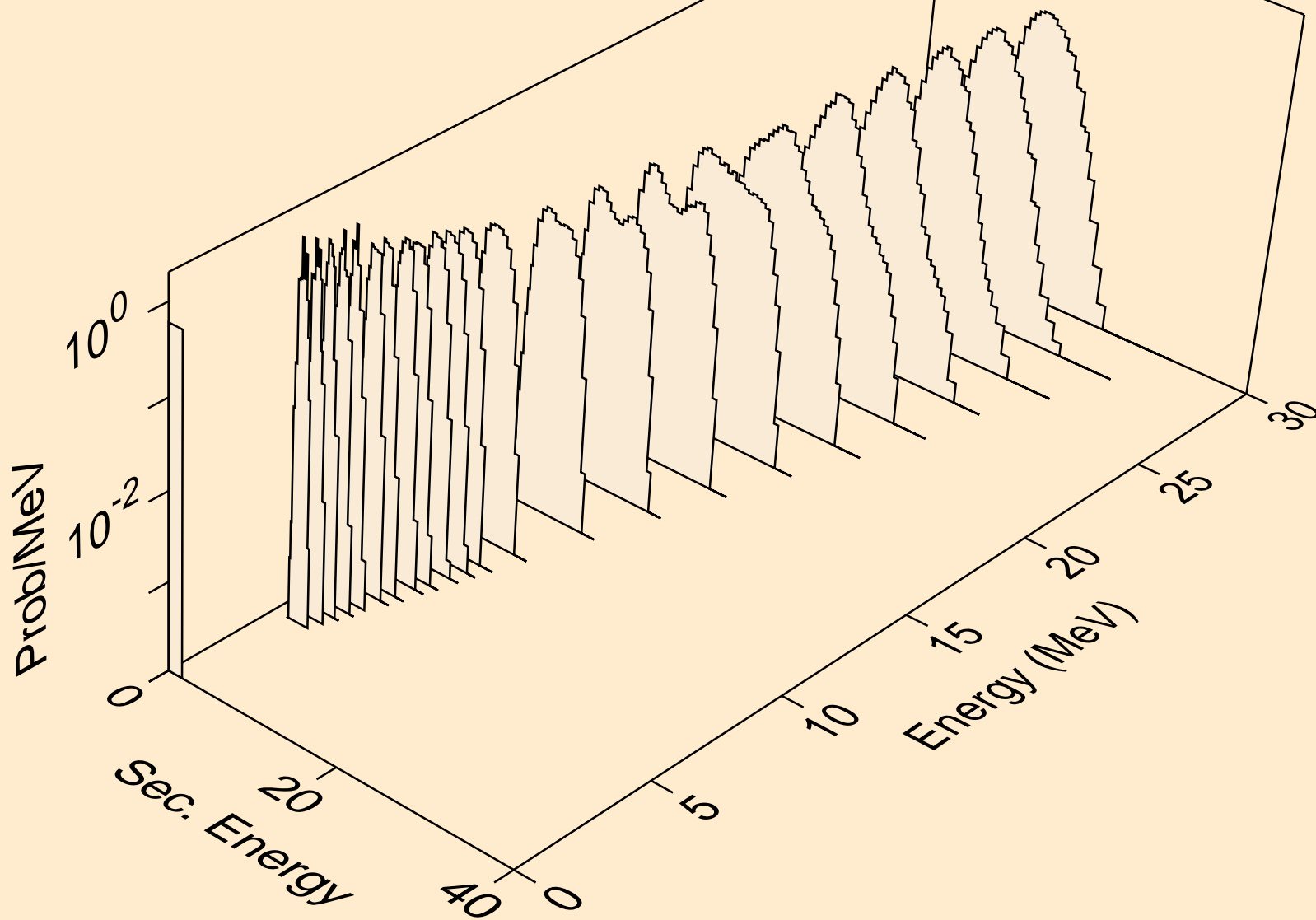
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,npa)



MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)

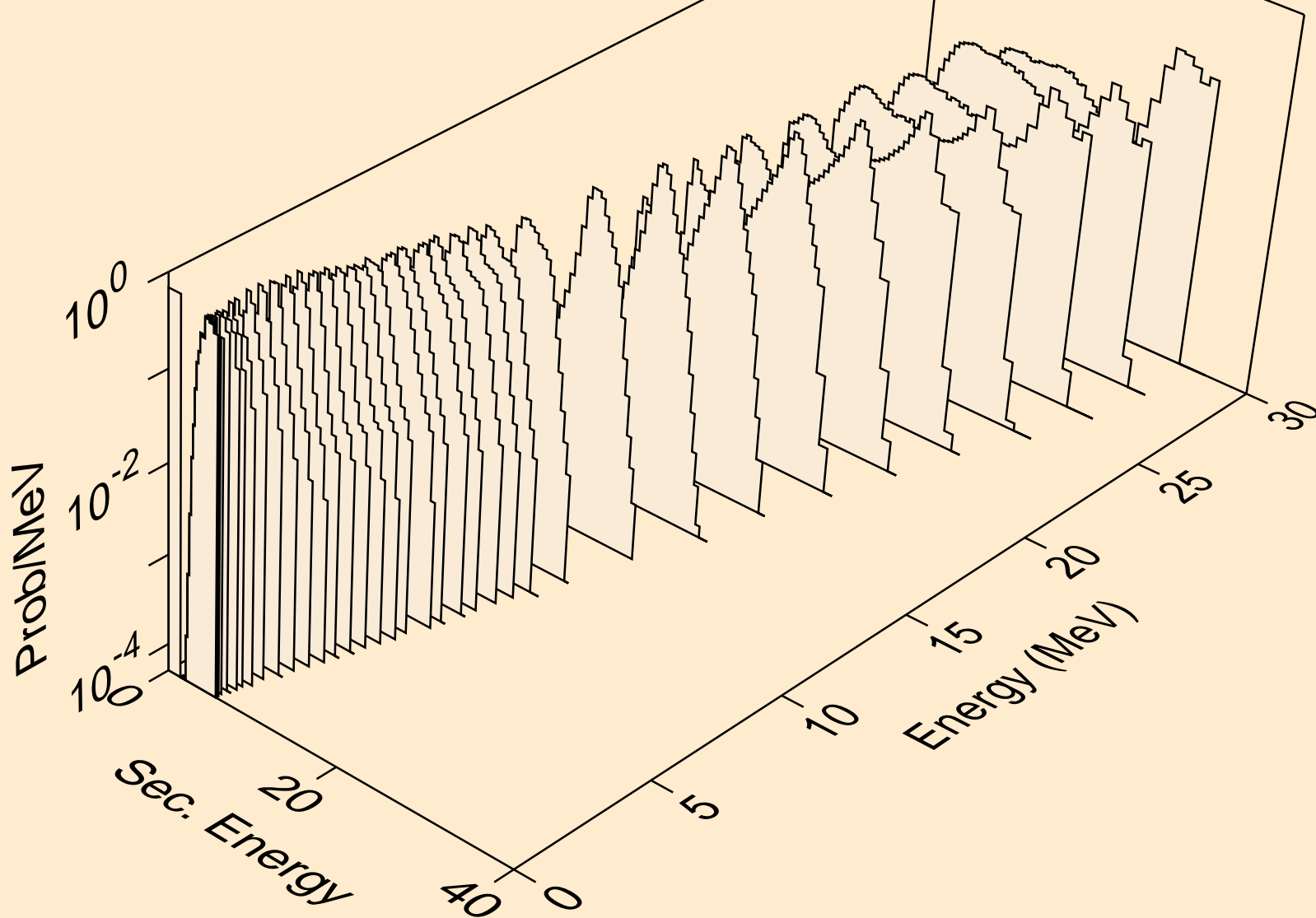


MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)

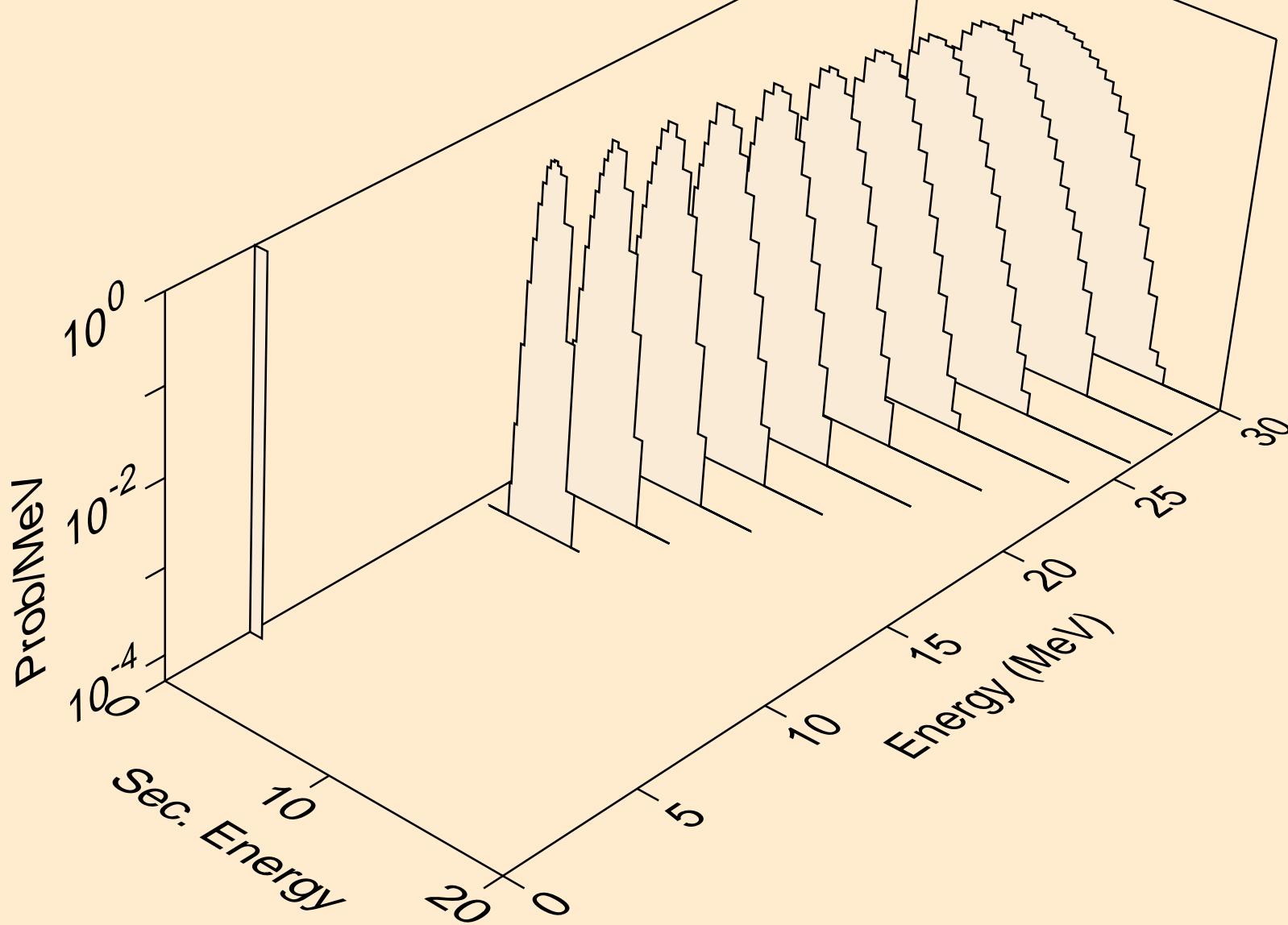




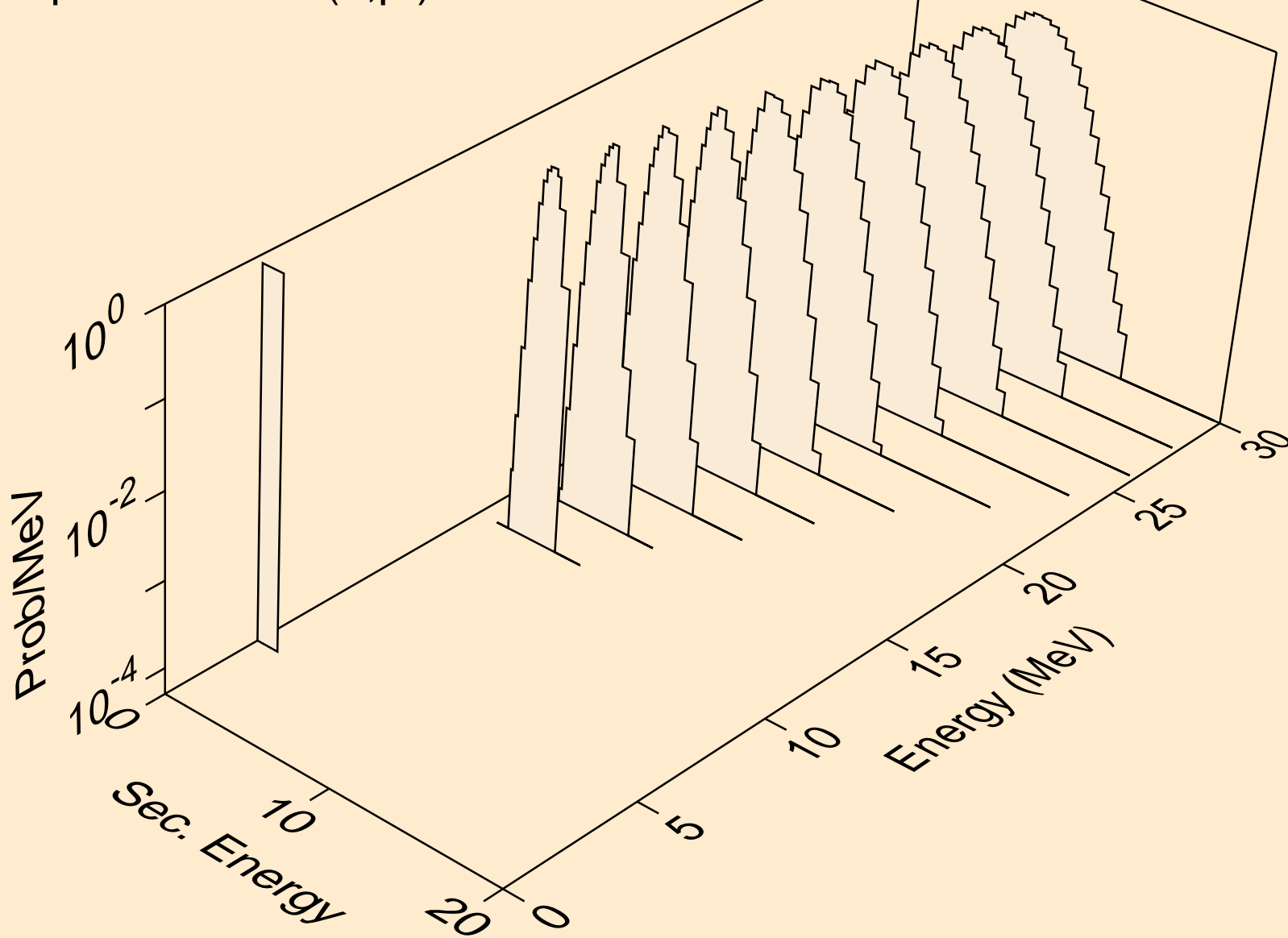
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



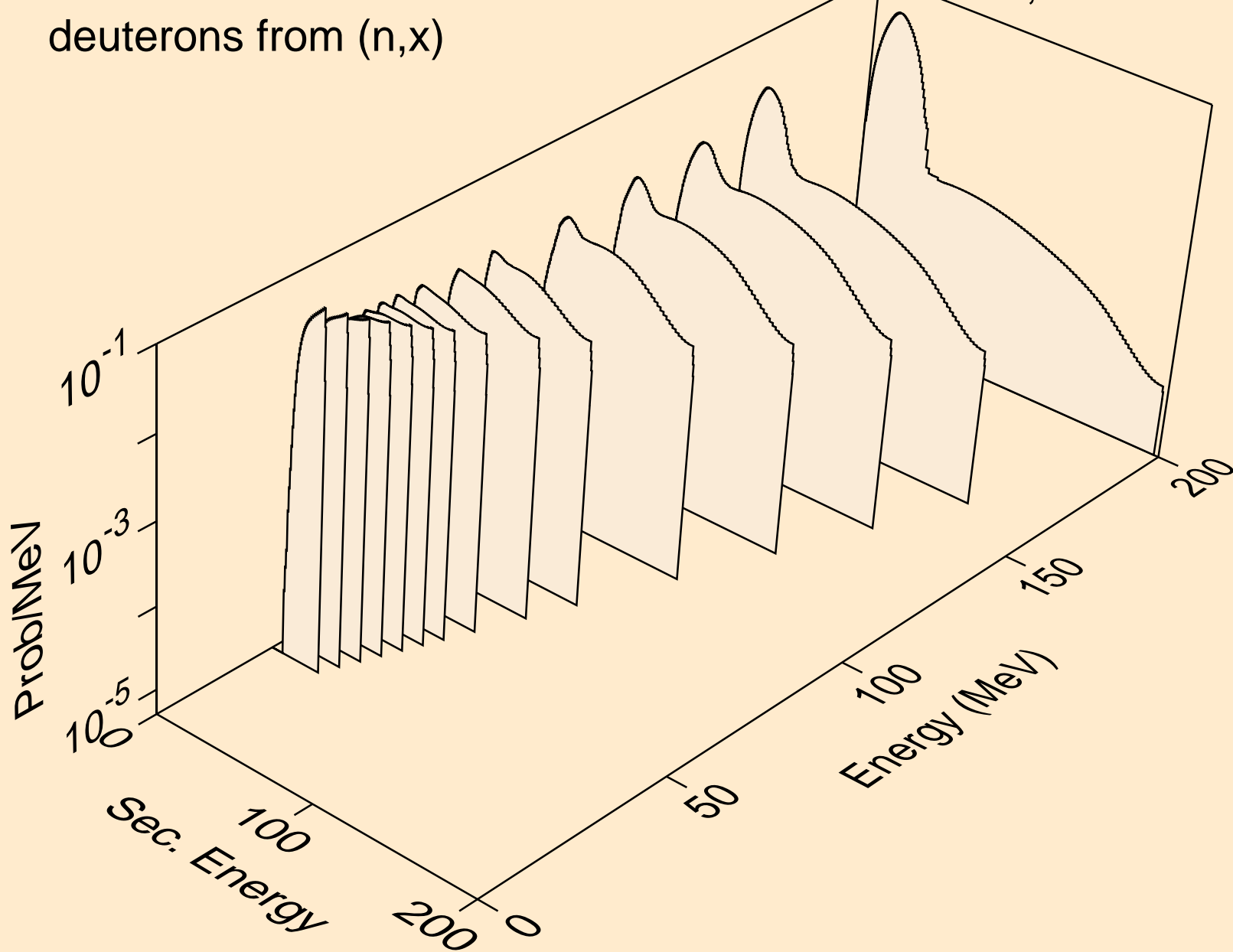
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pd)



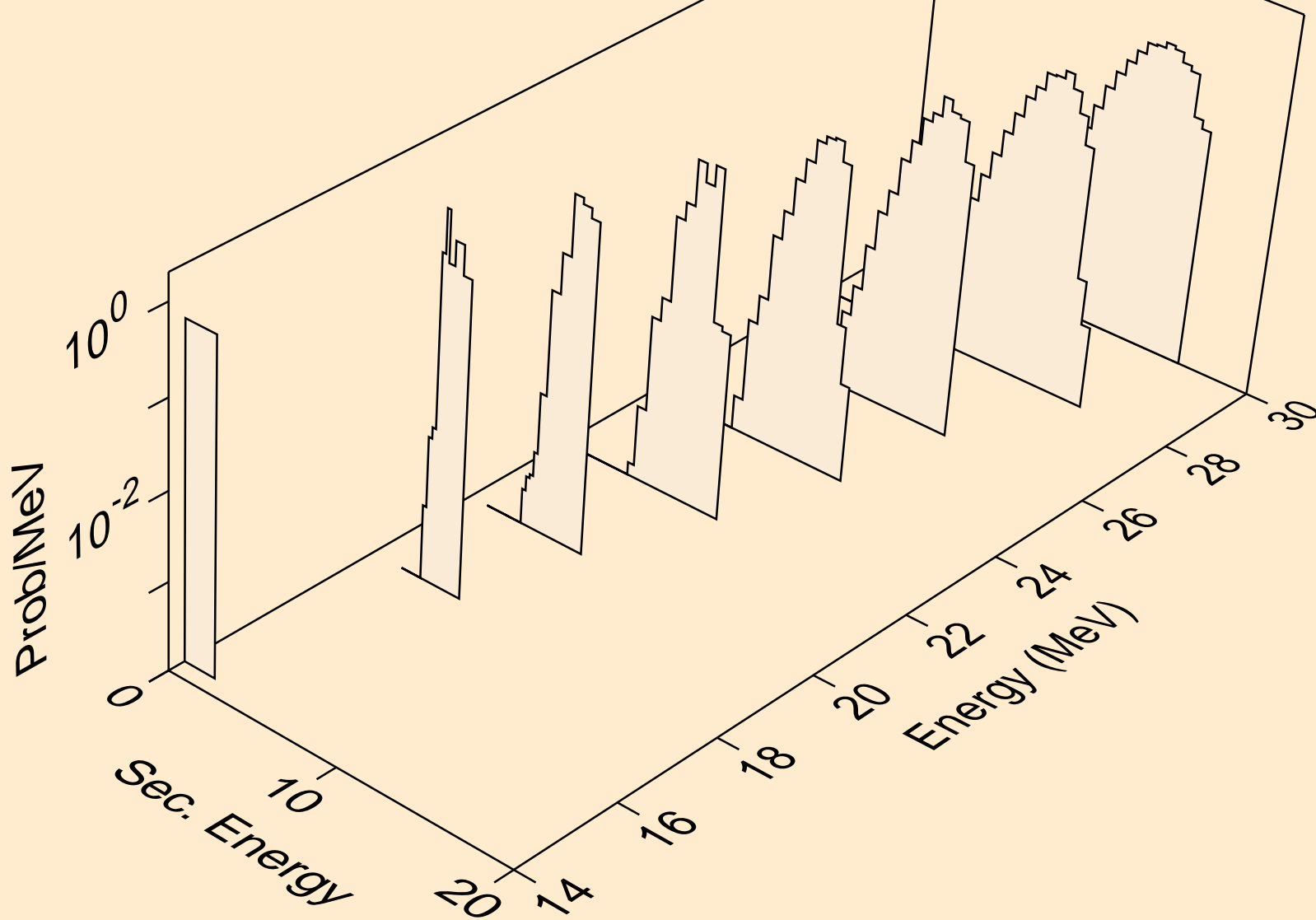
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pt)



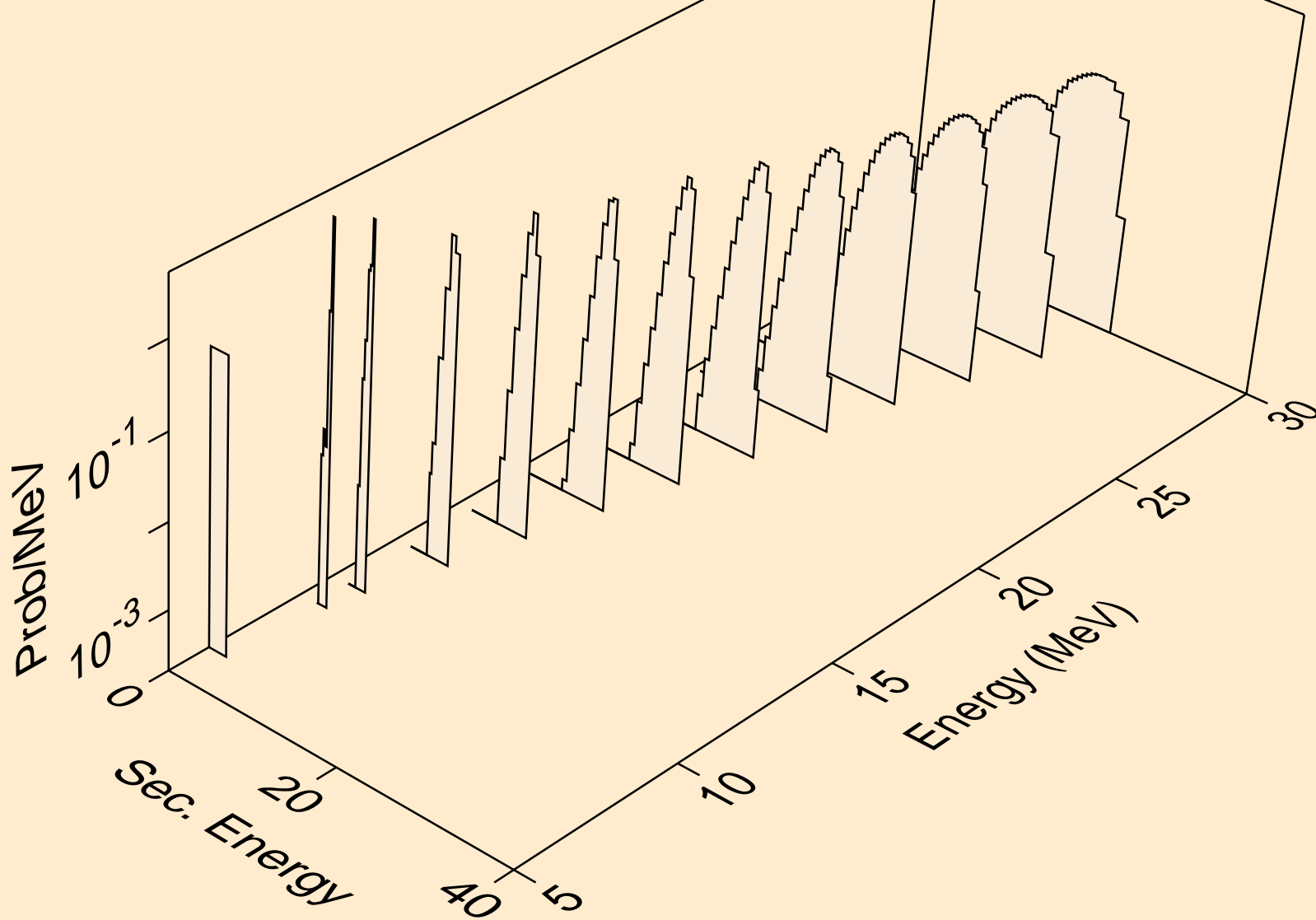
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)



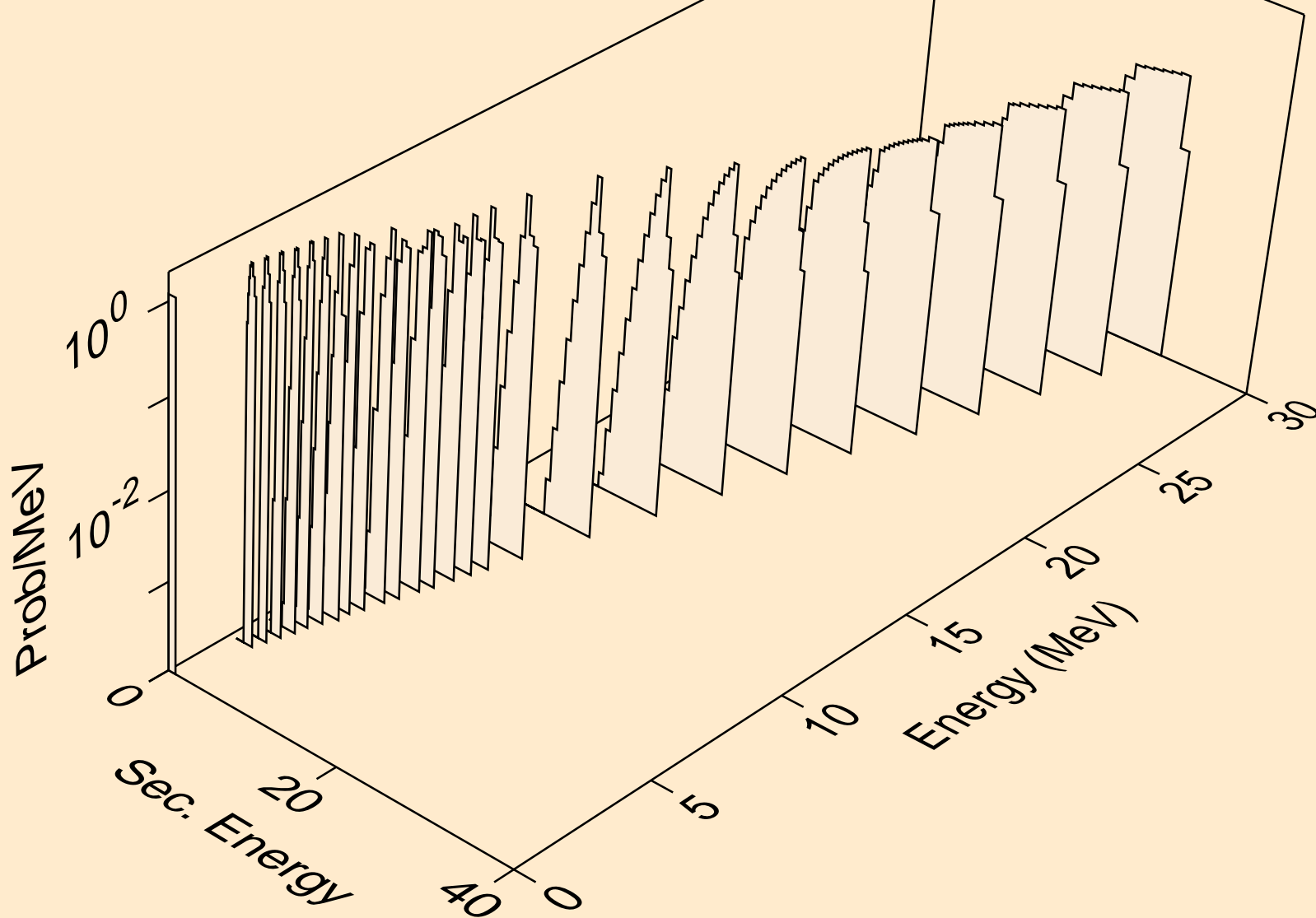
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)



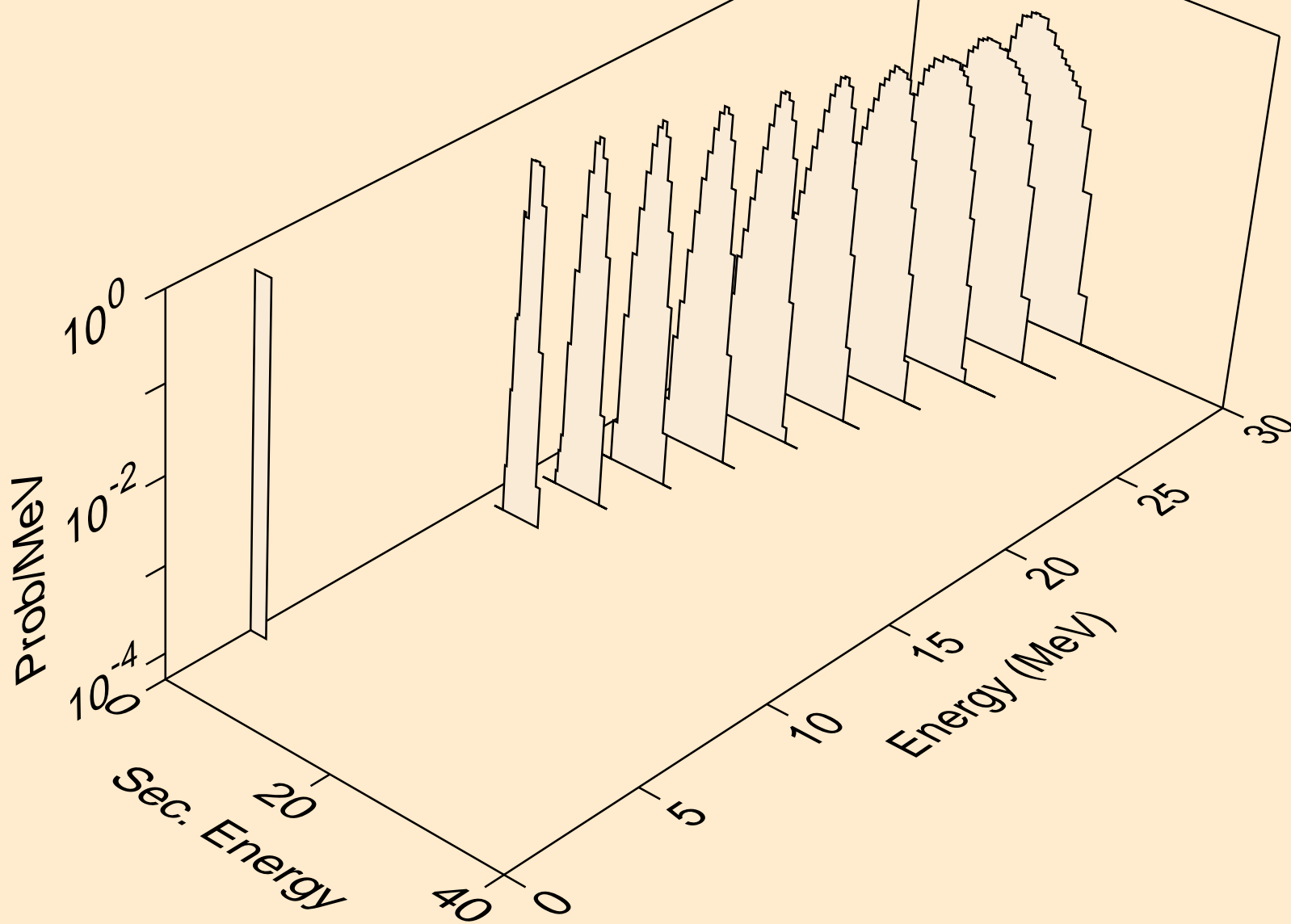
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d



MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)

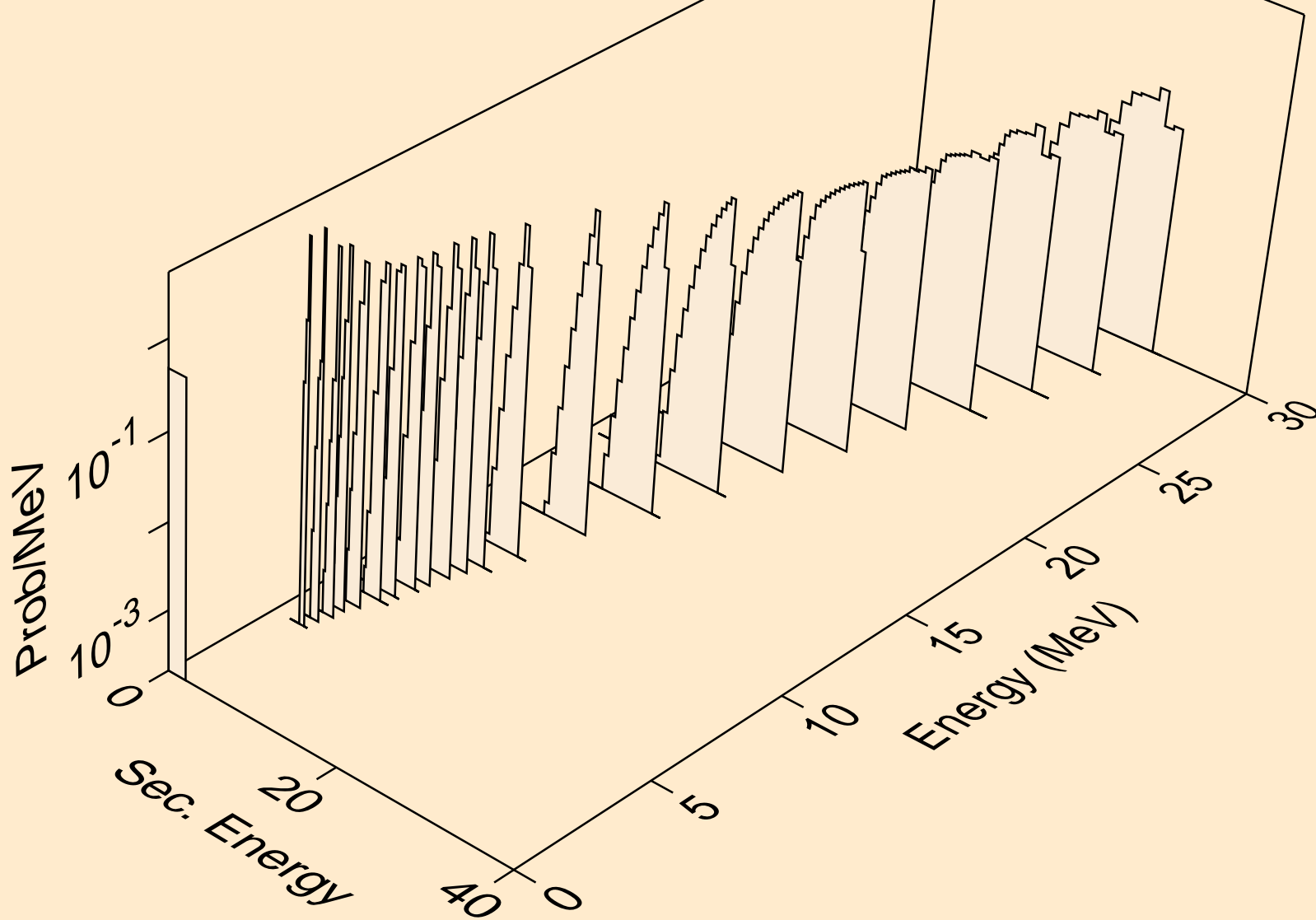


MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,pd)

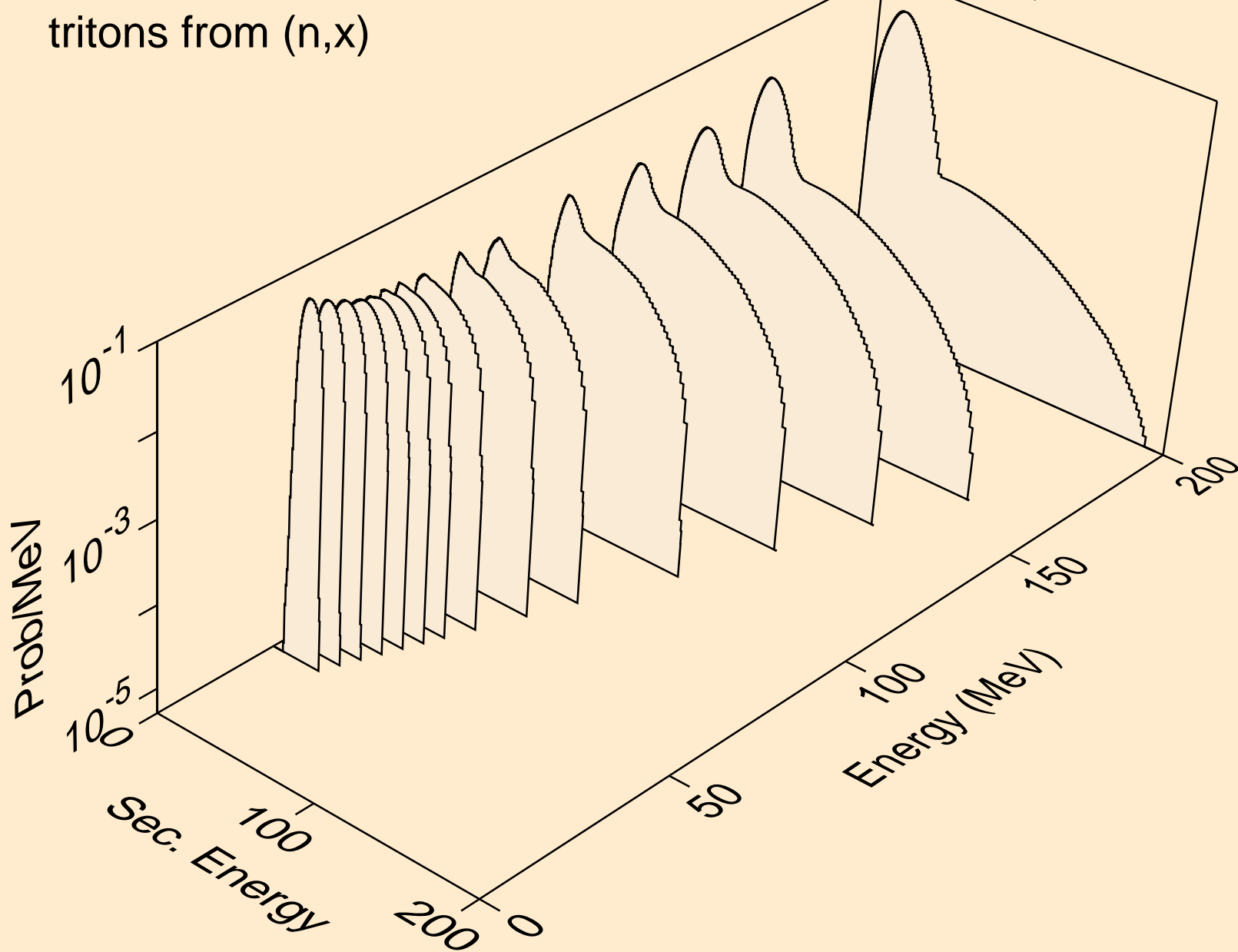




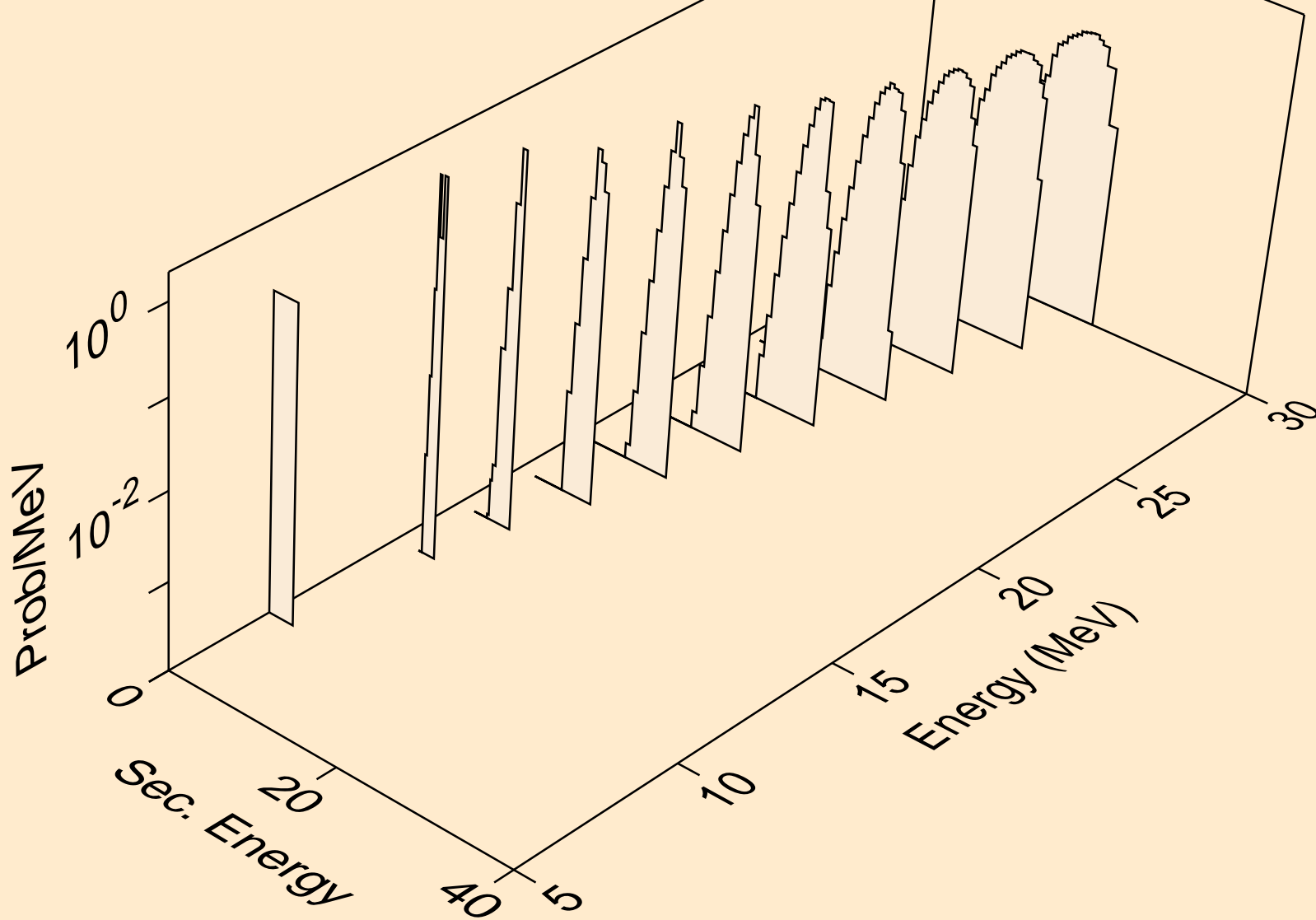
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,da)



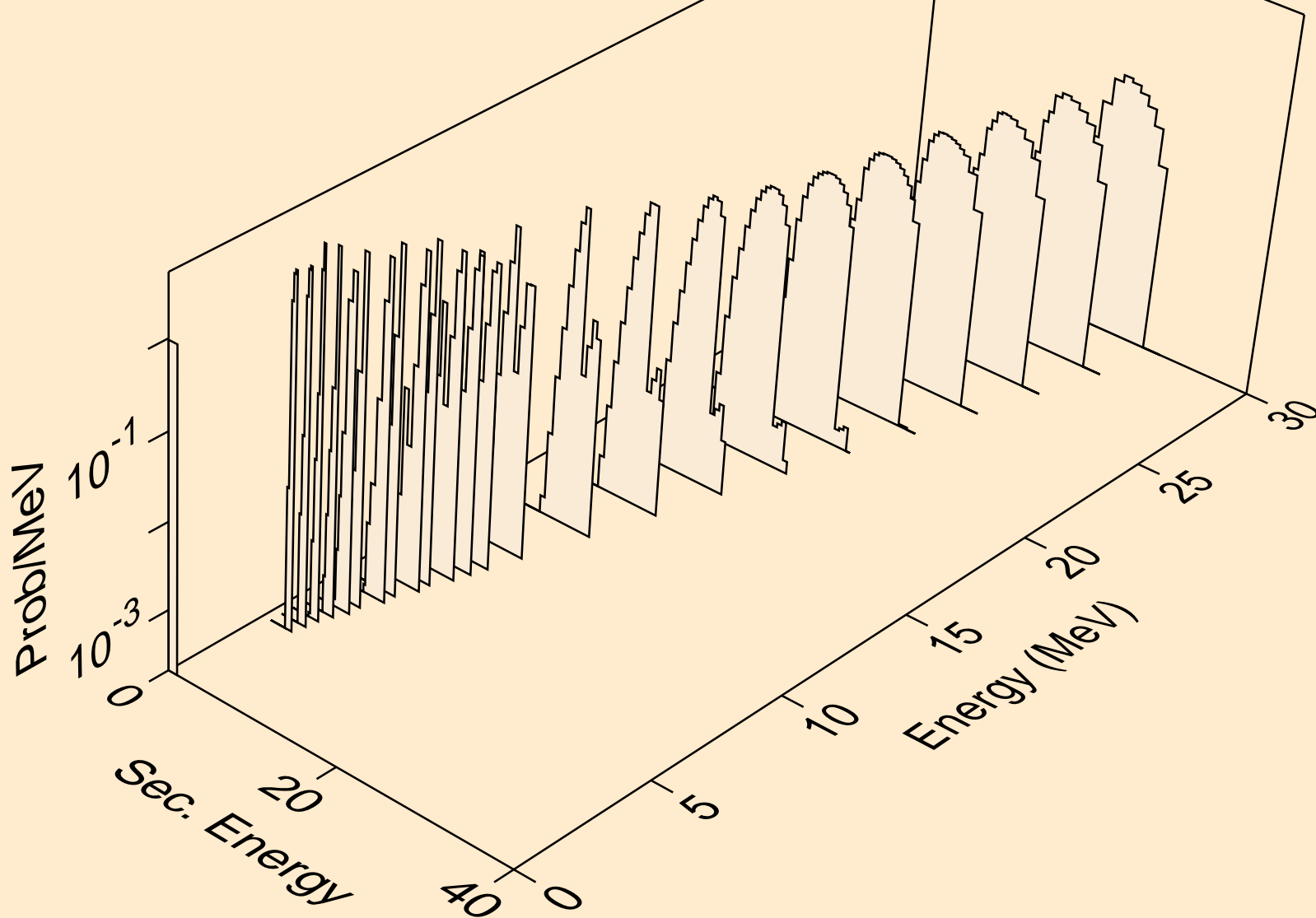
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)



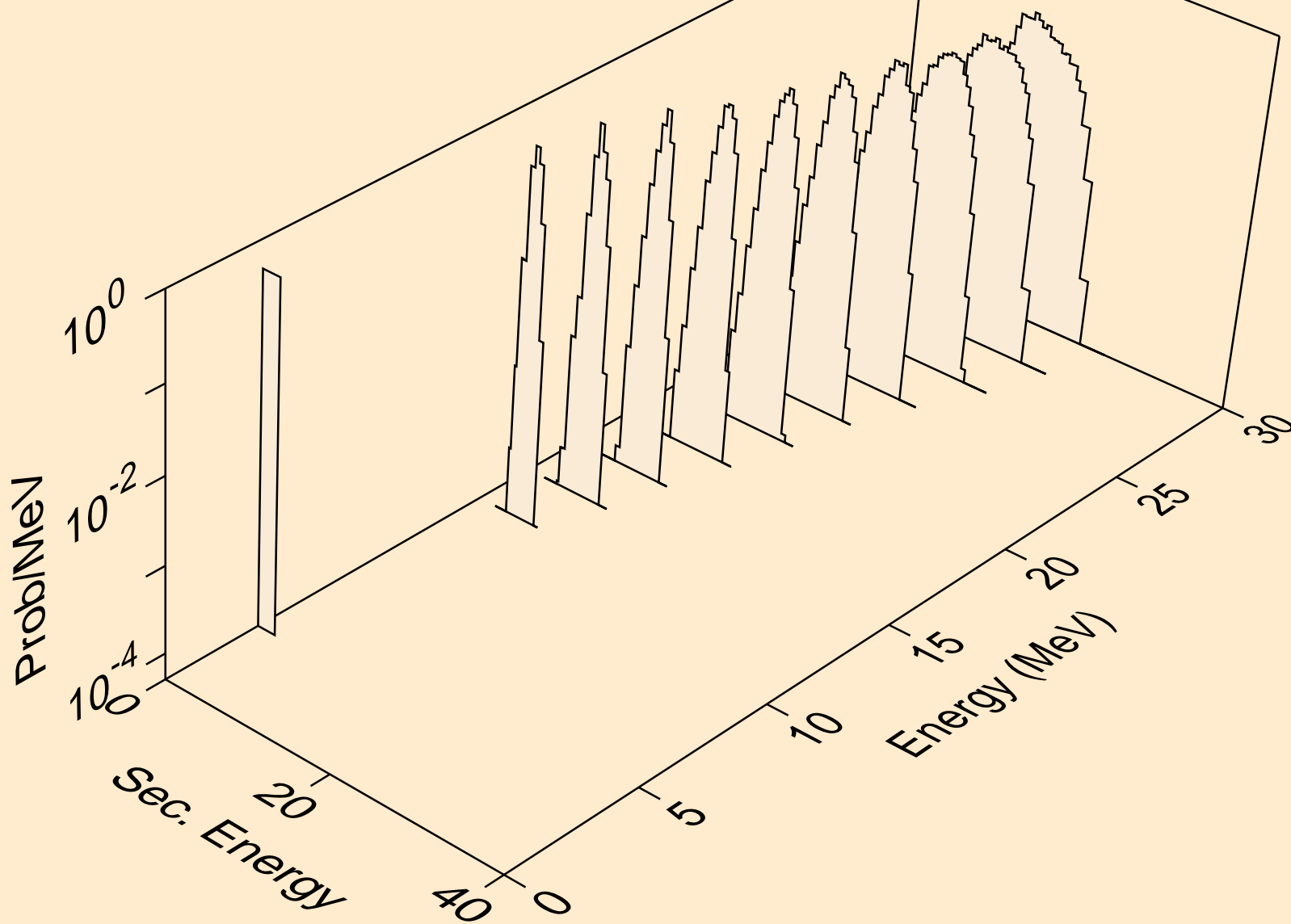
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



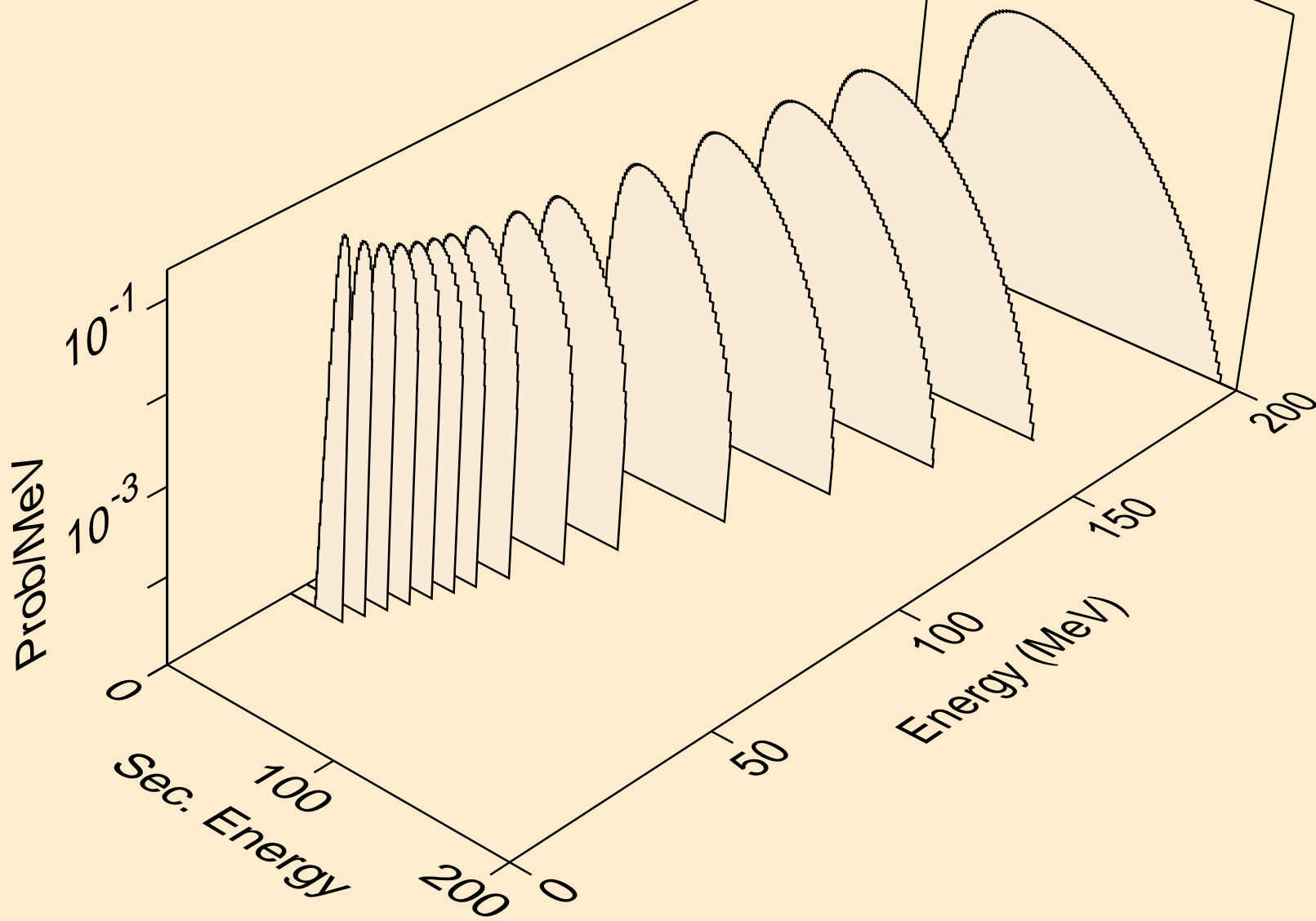
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tritons from (n,t)



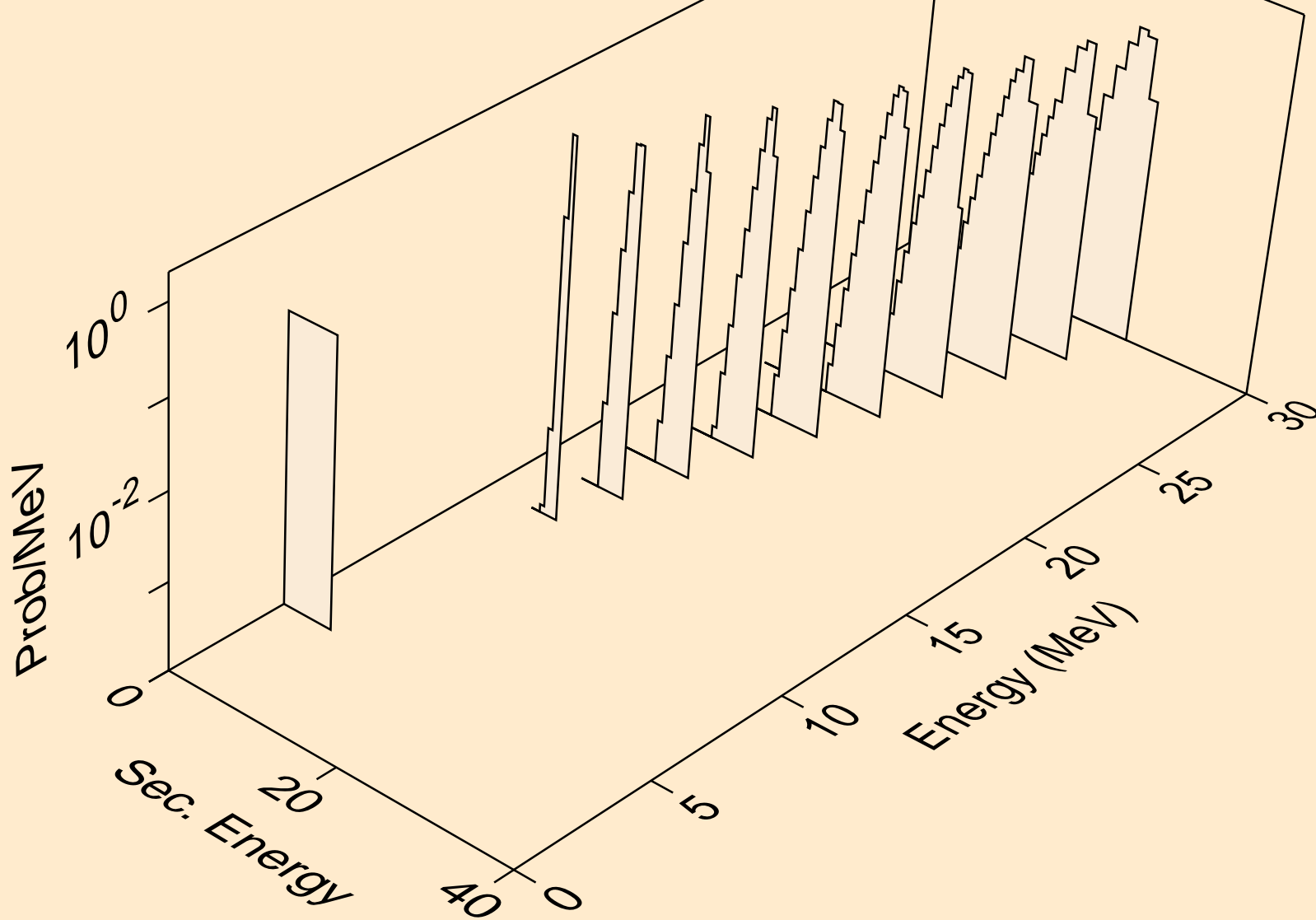
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,pt)



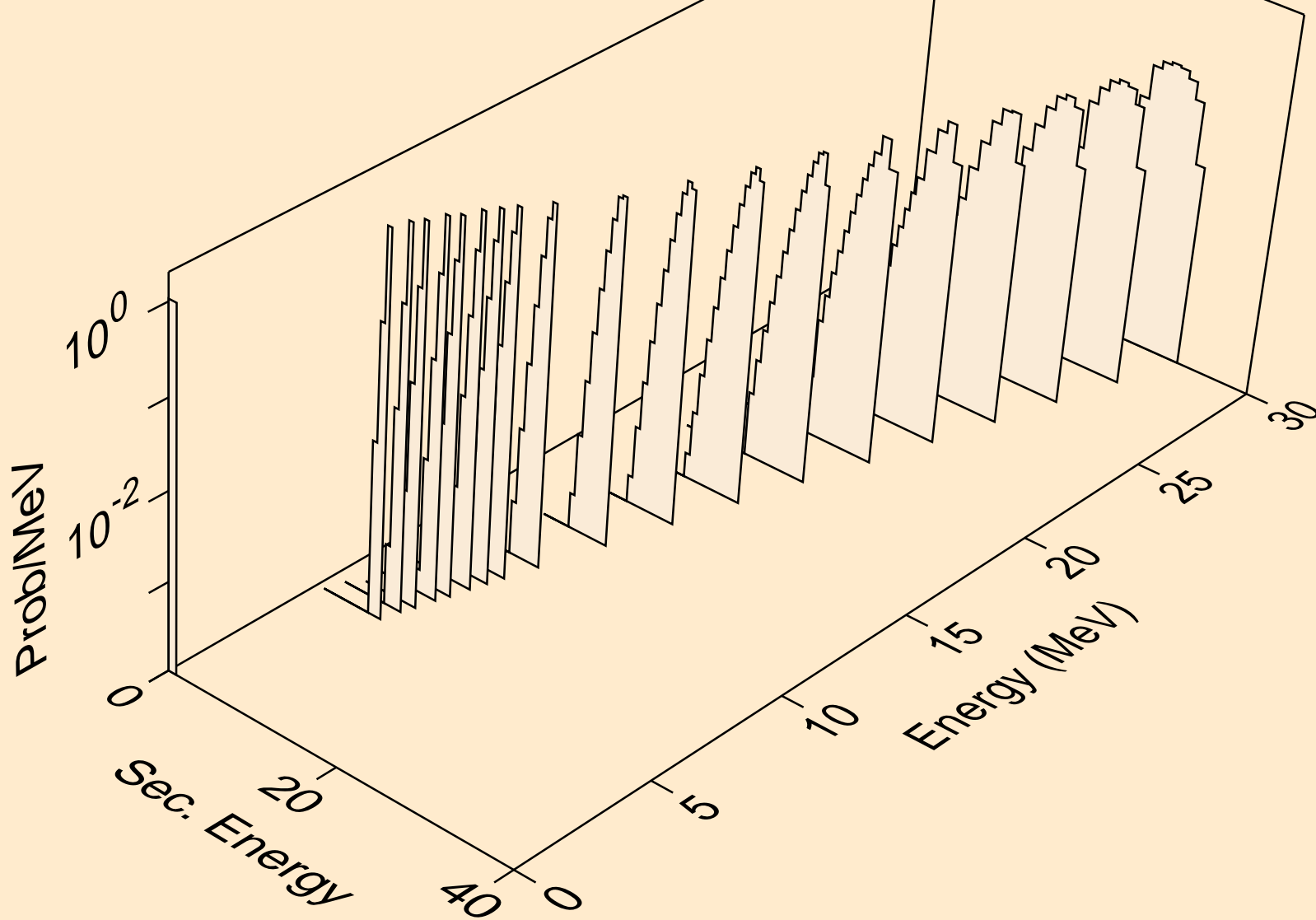
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)



MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3

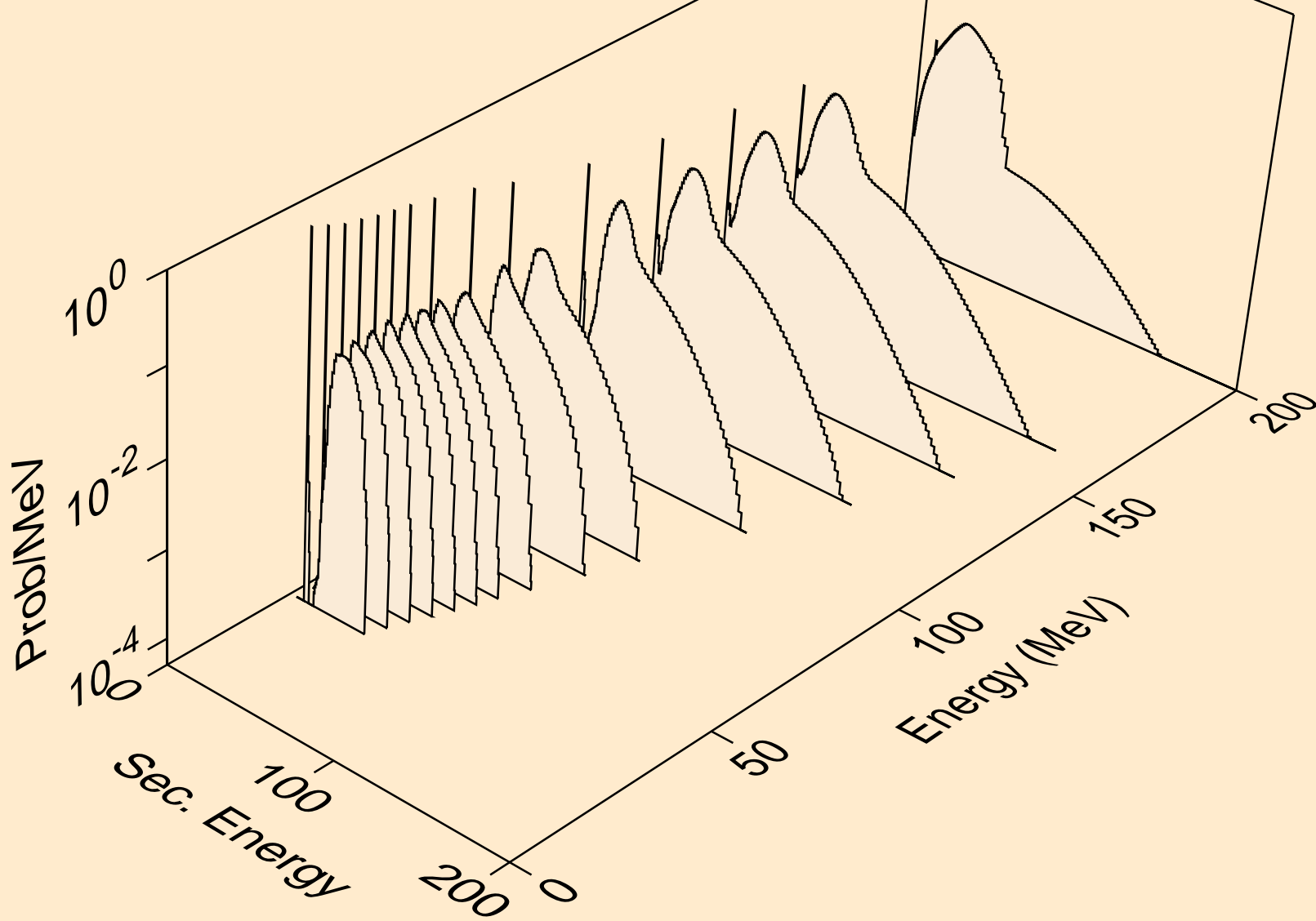


MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)

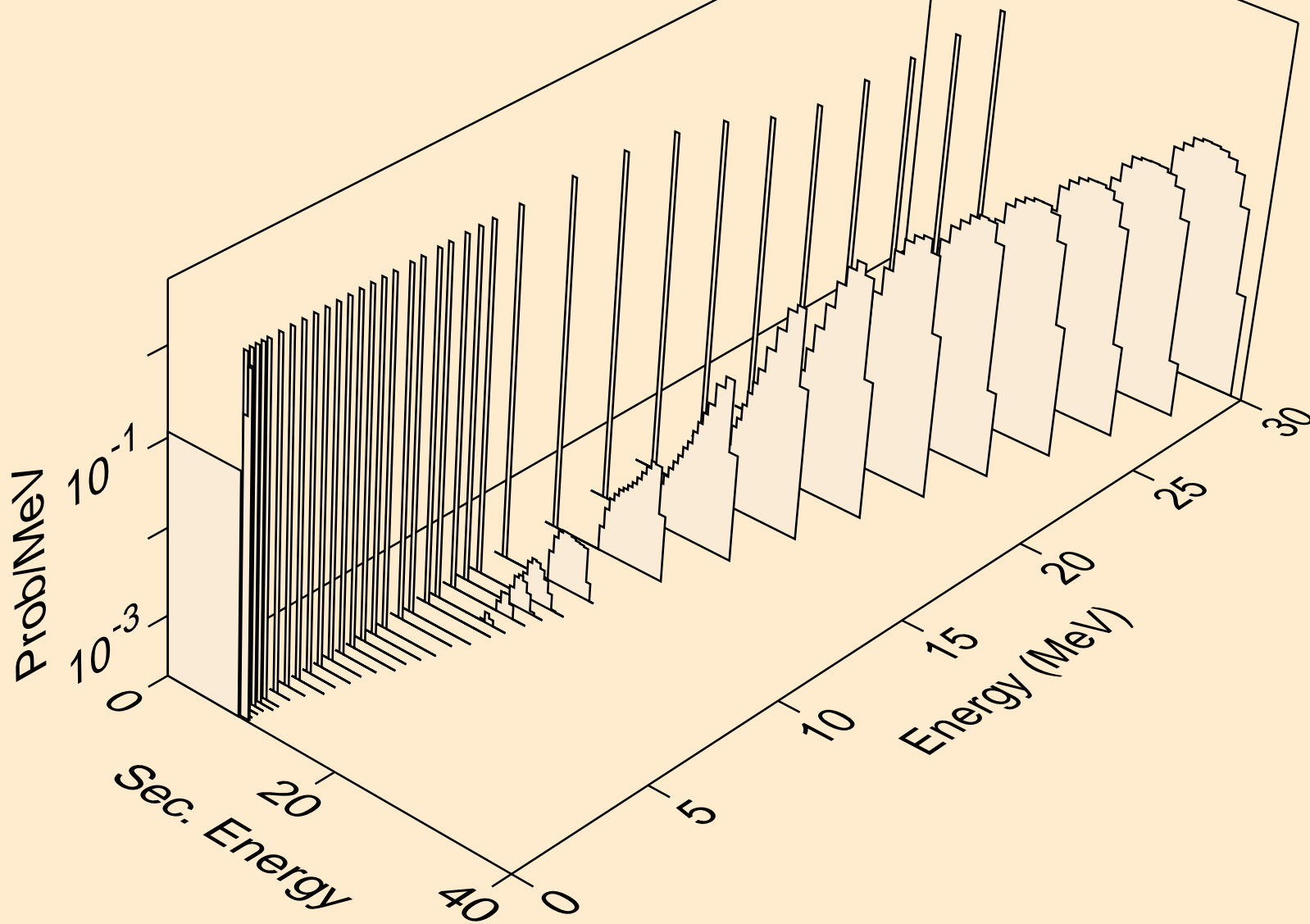




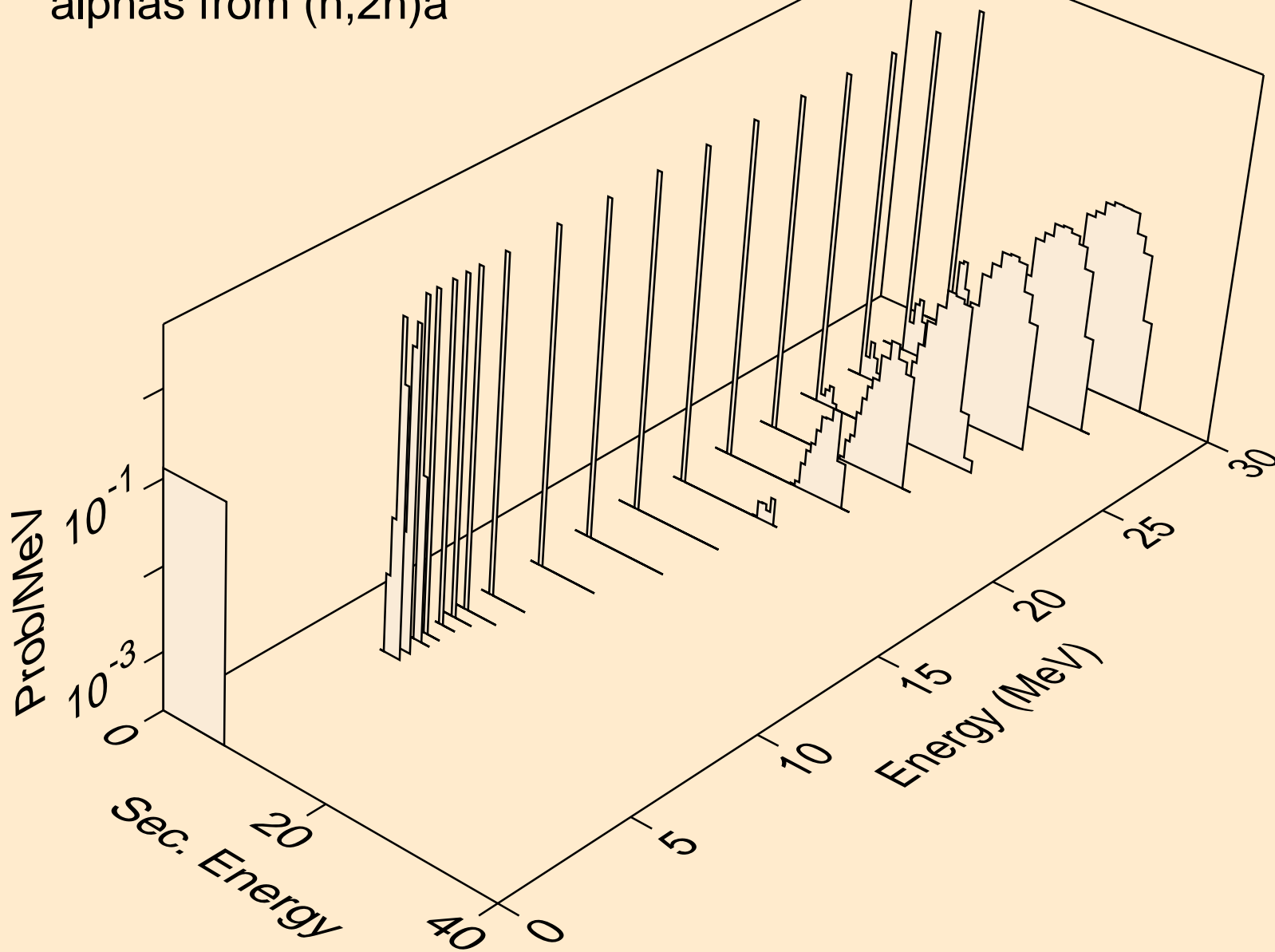
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)



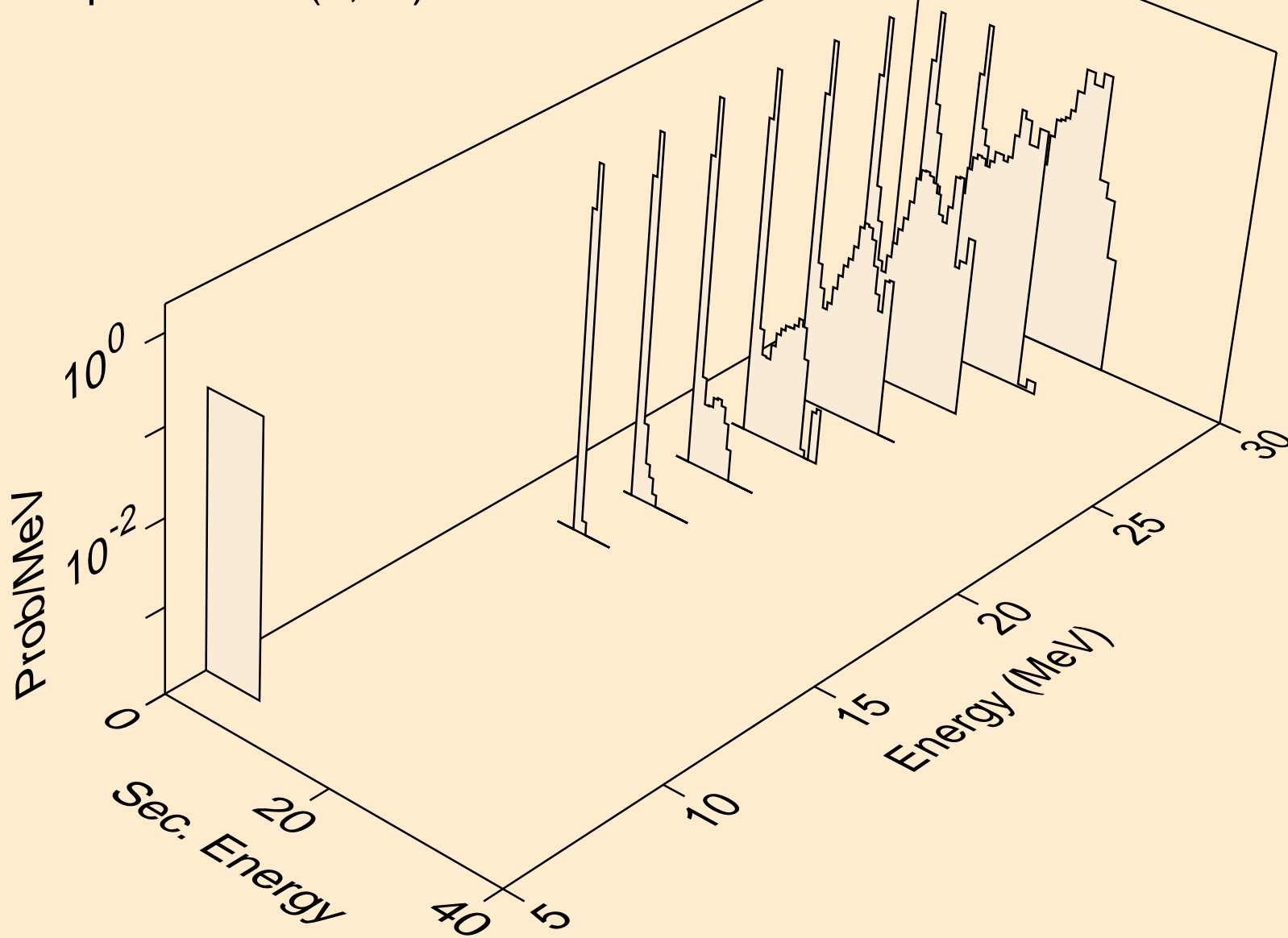
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



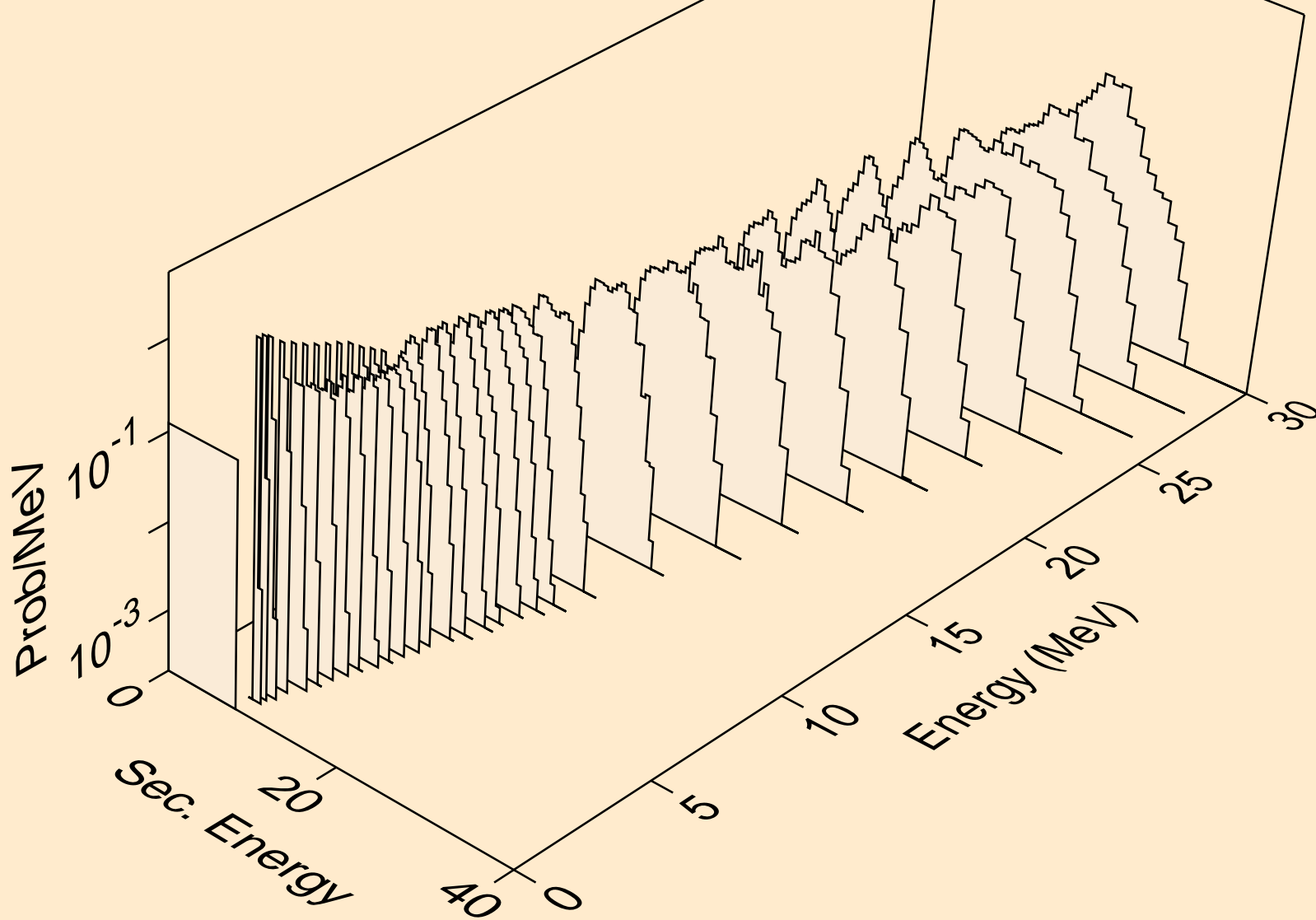
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



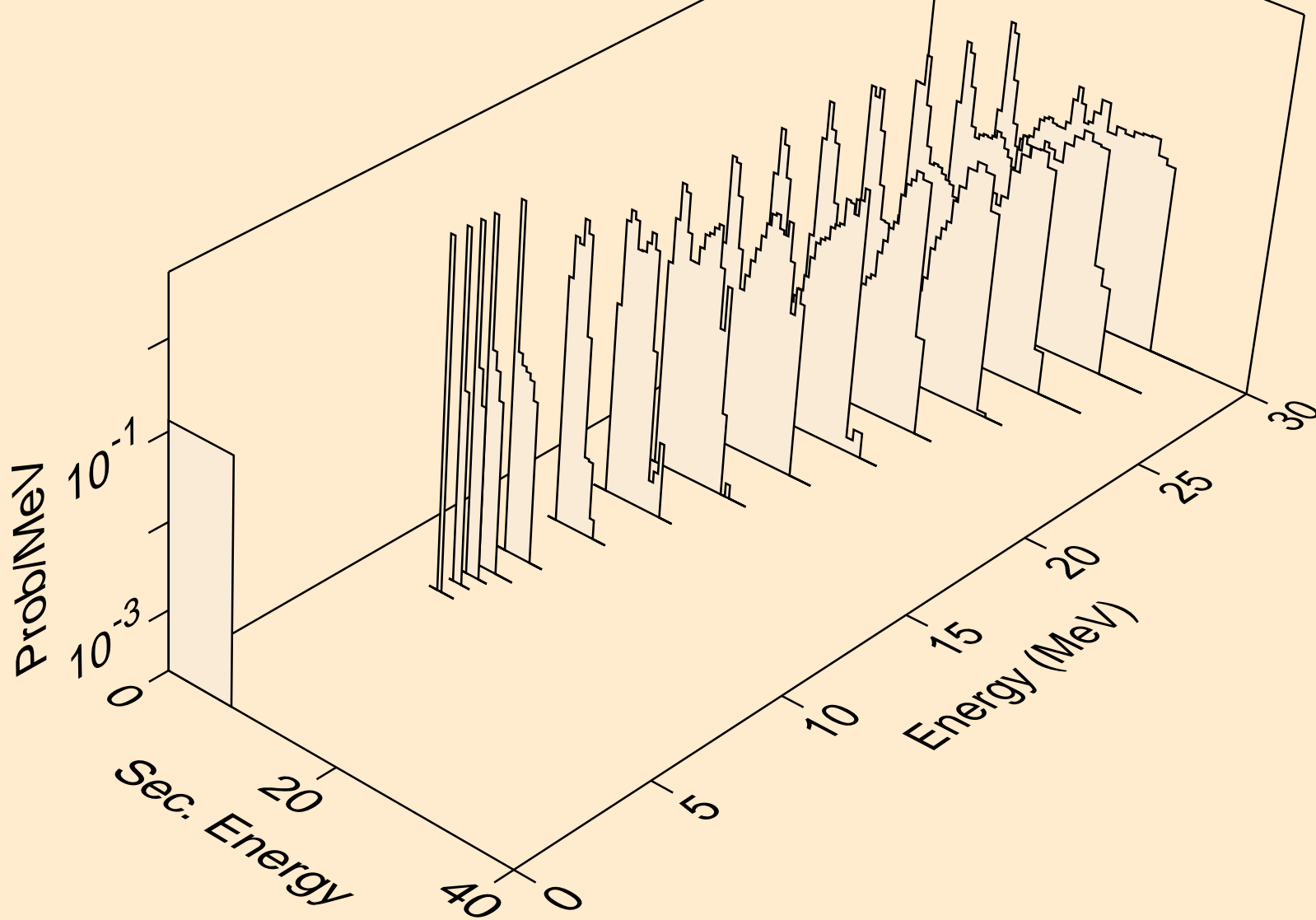
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



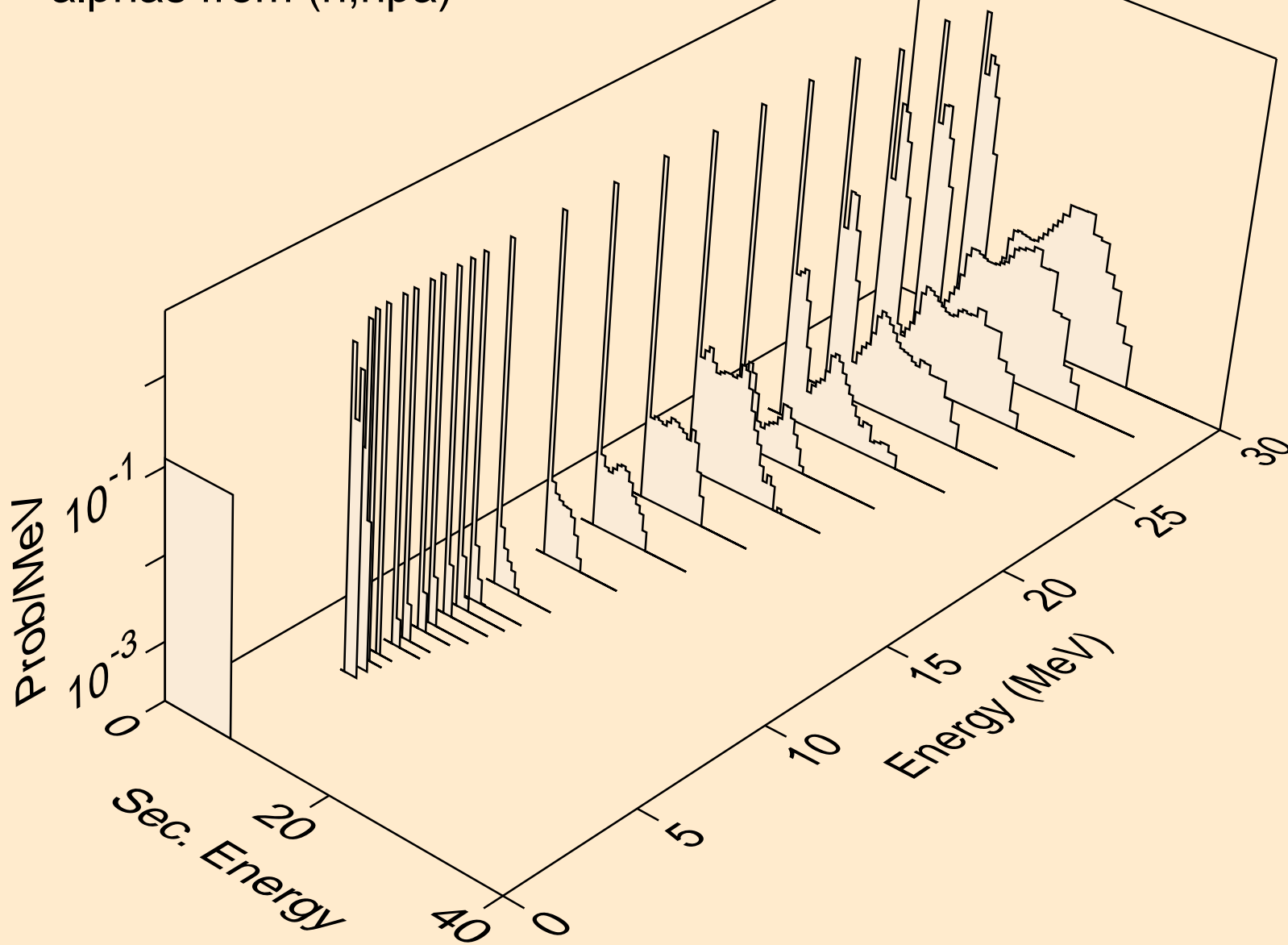
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a



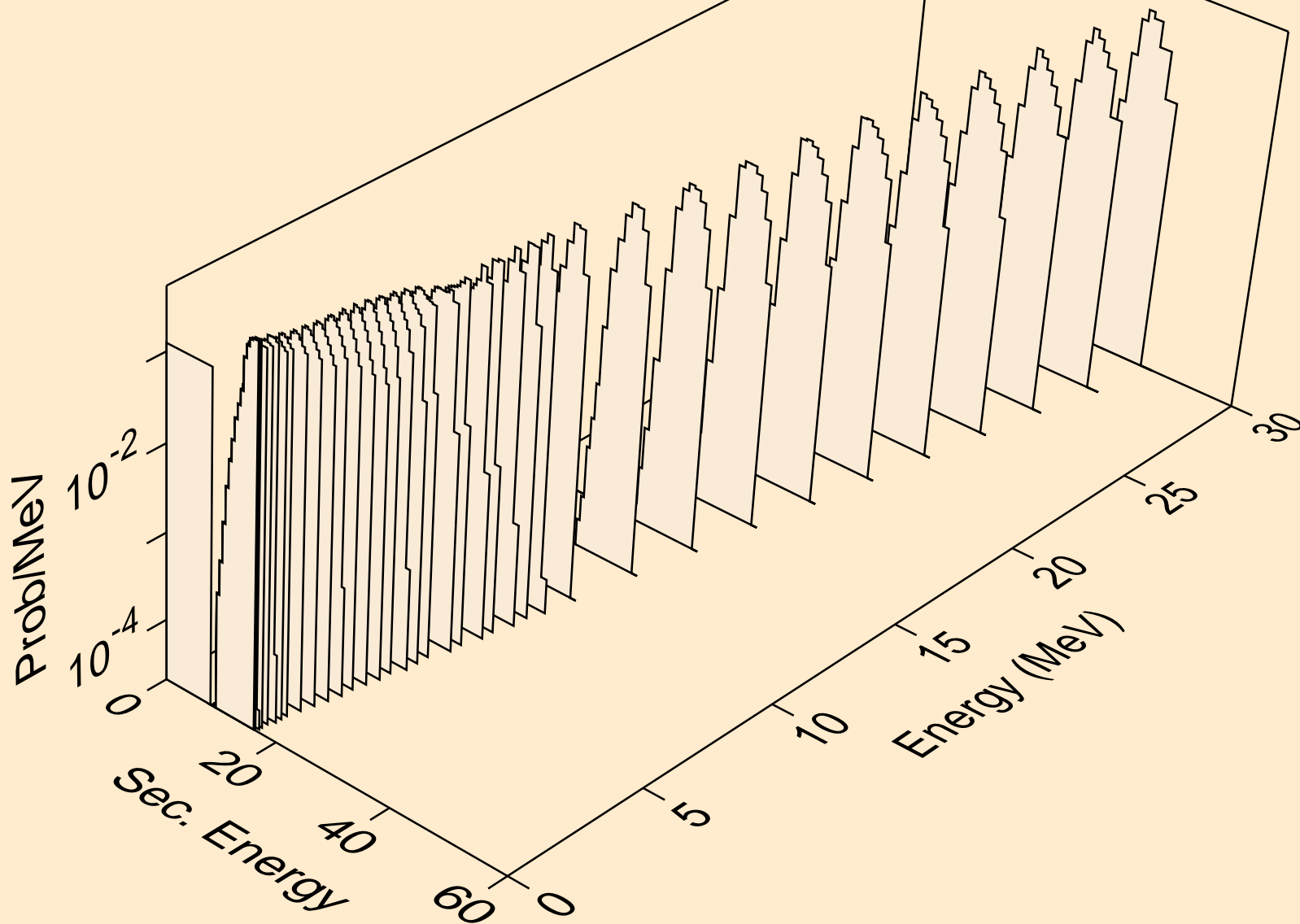
MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)2a



MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)

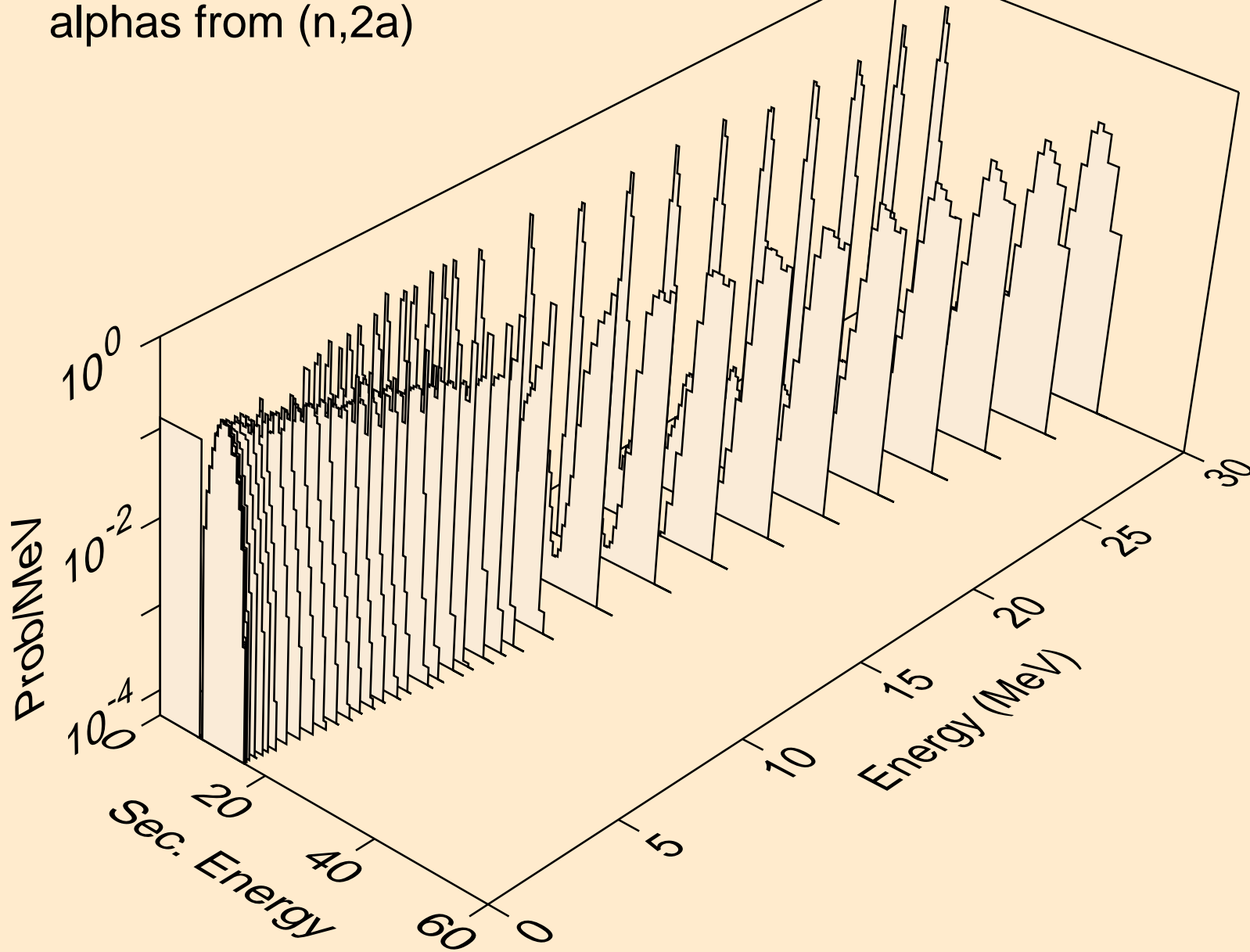


MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)

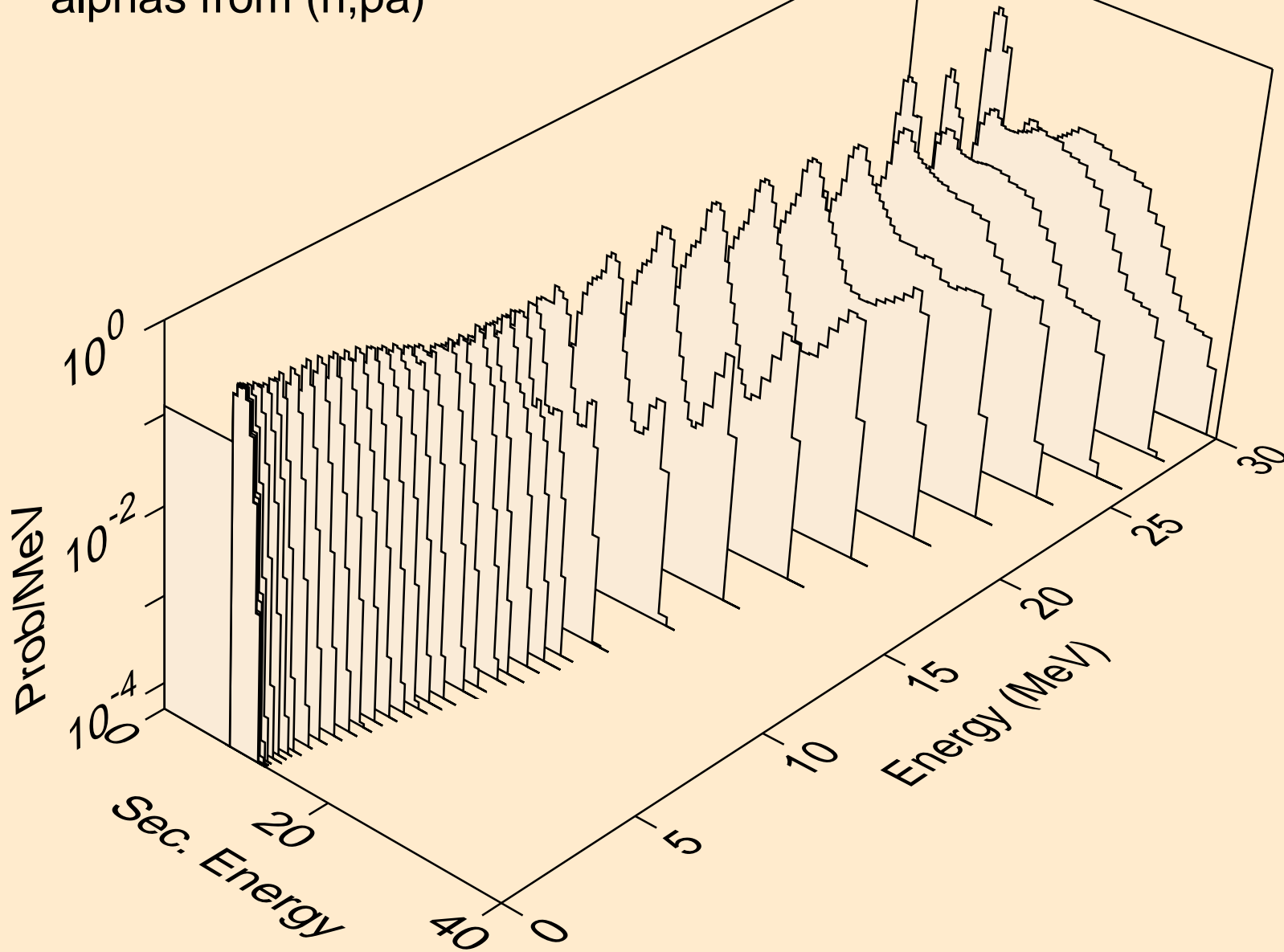




MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



MD248 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

