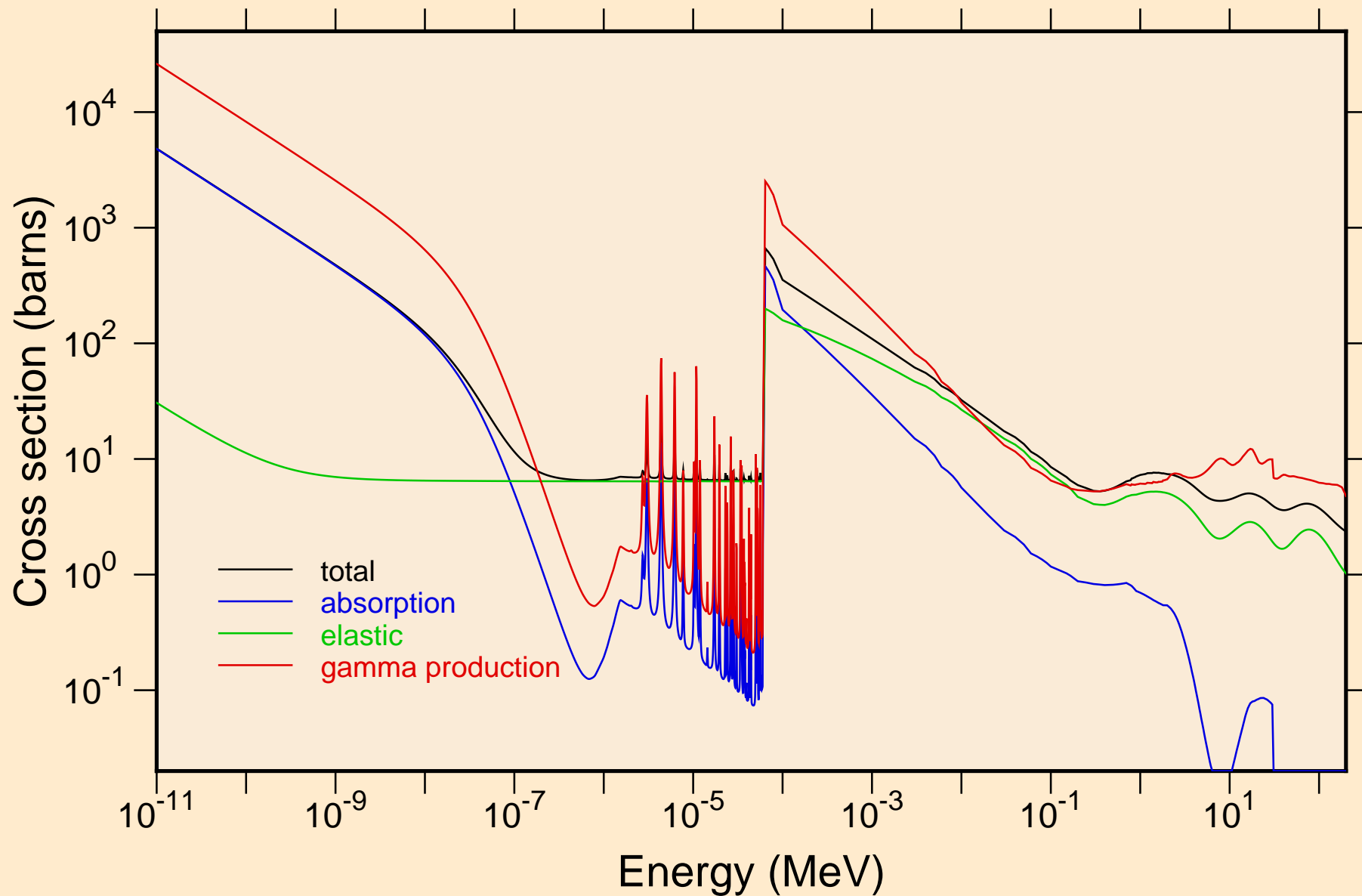
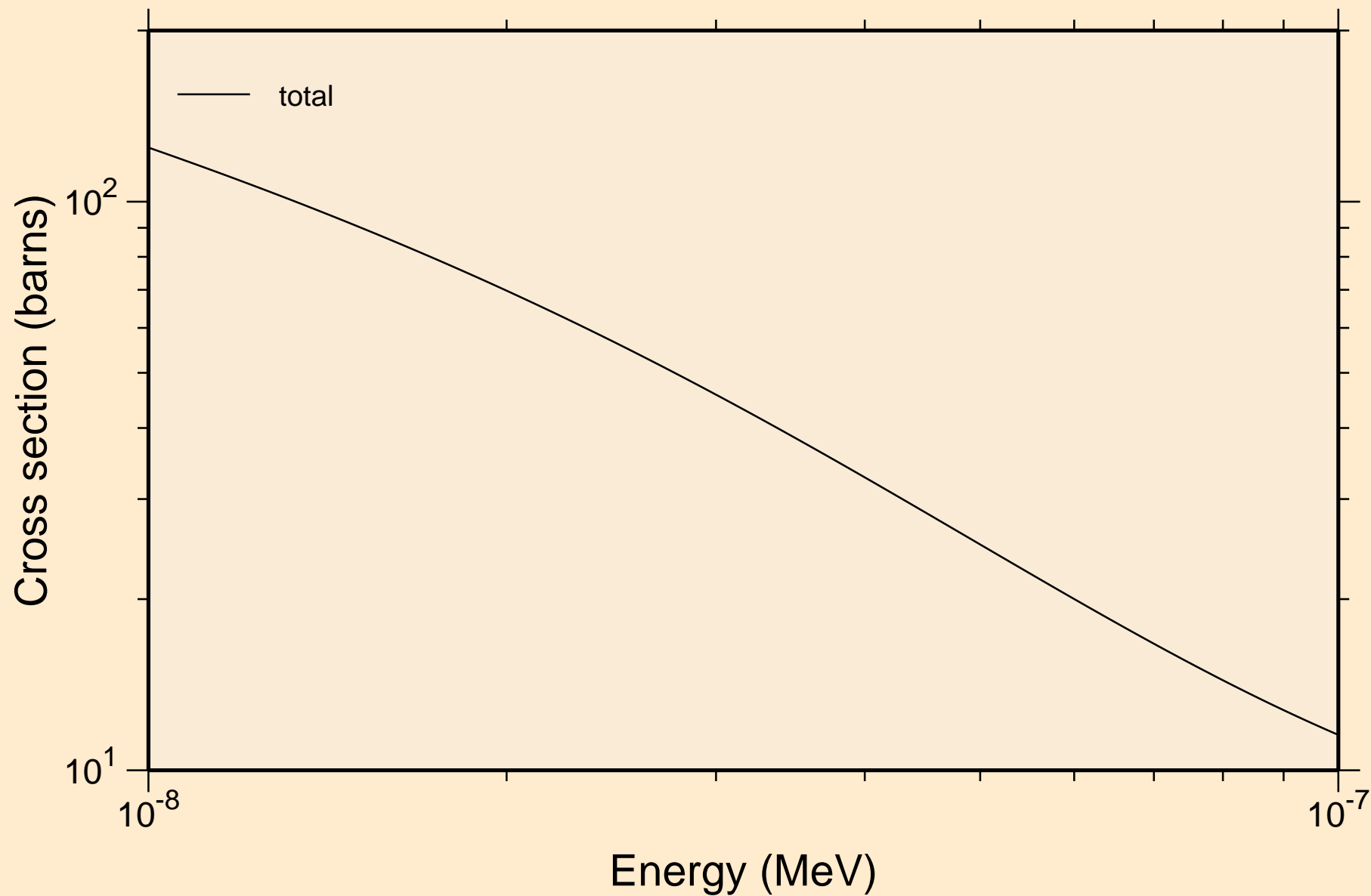


# GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

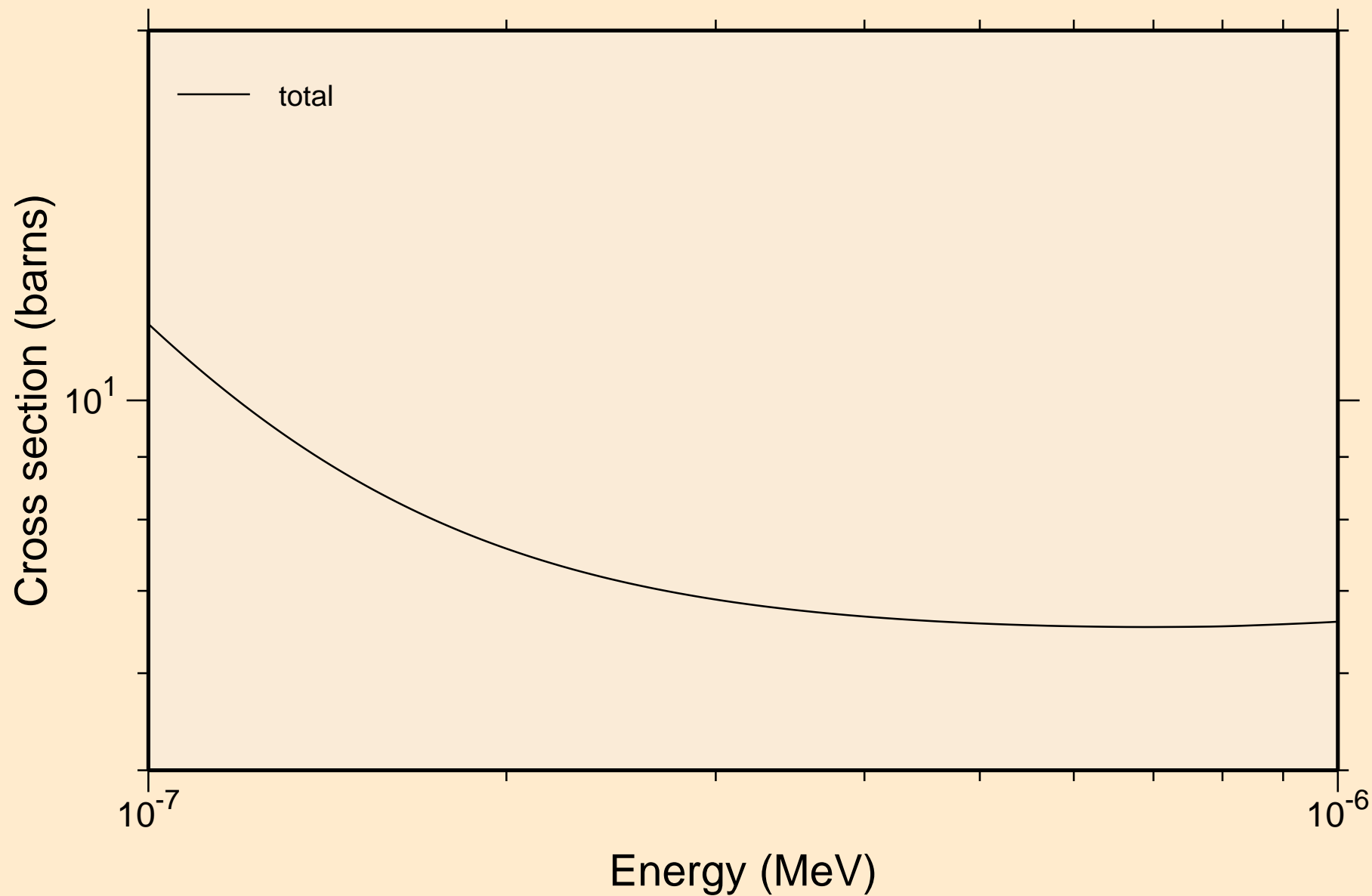
## Principal cross sections



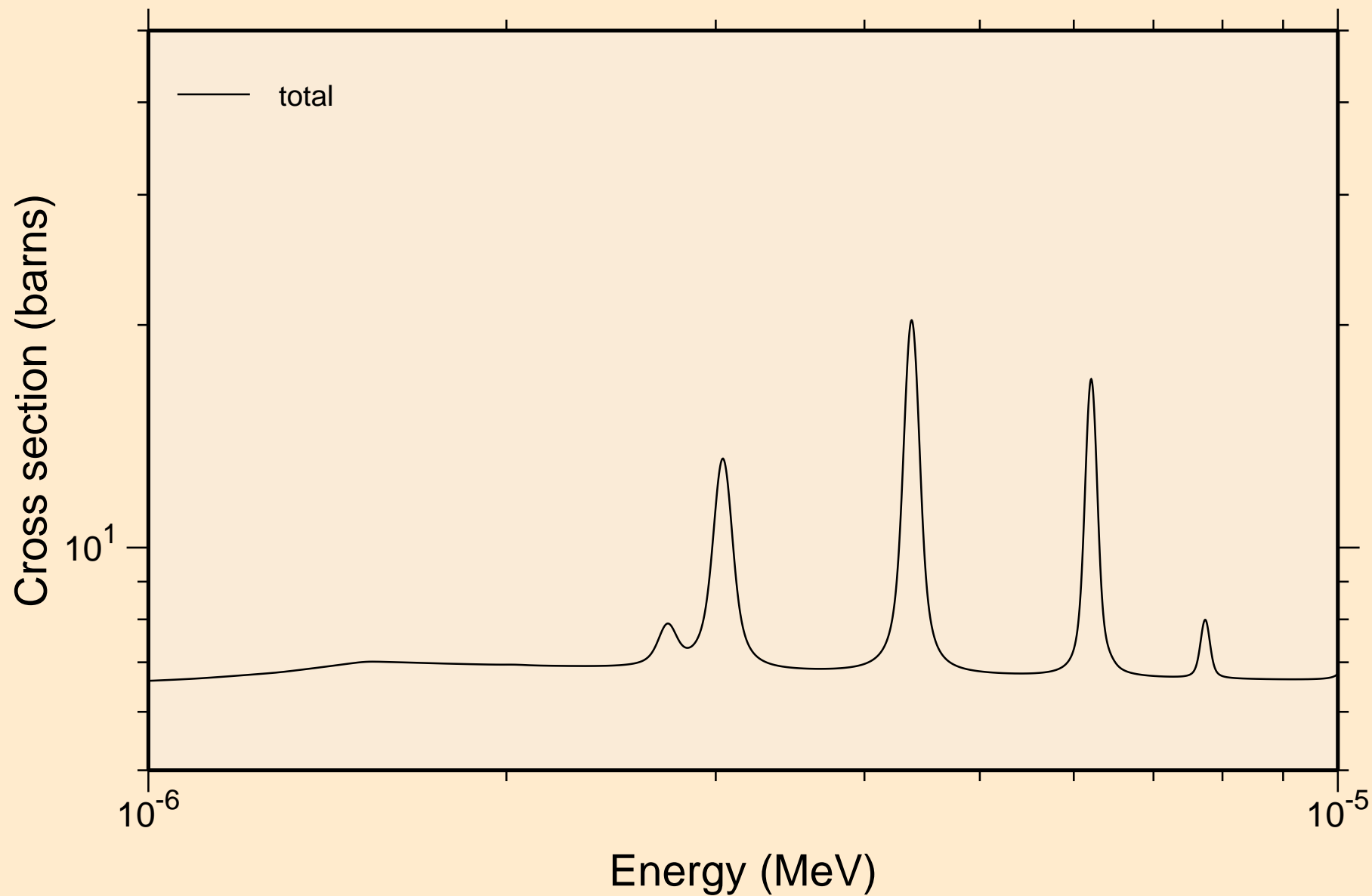
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



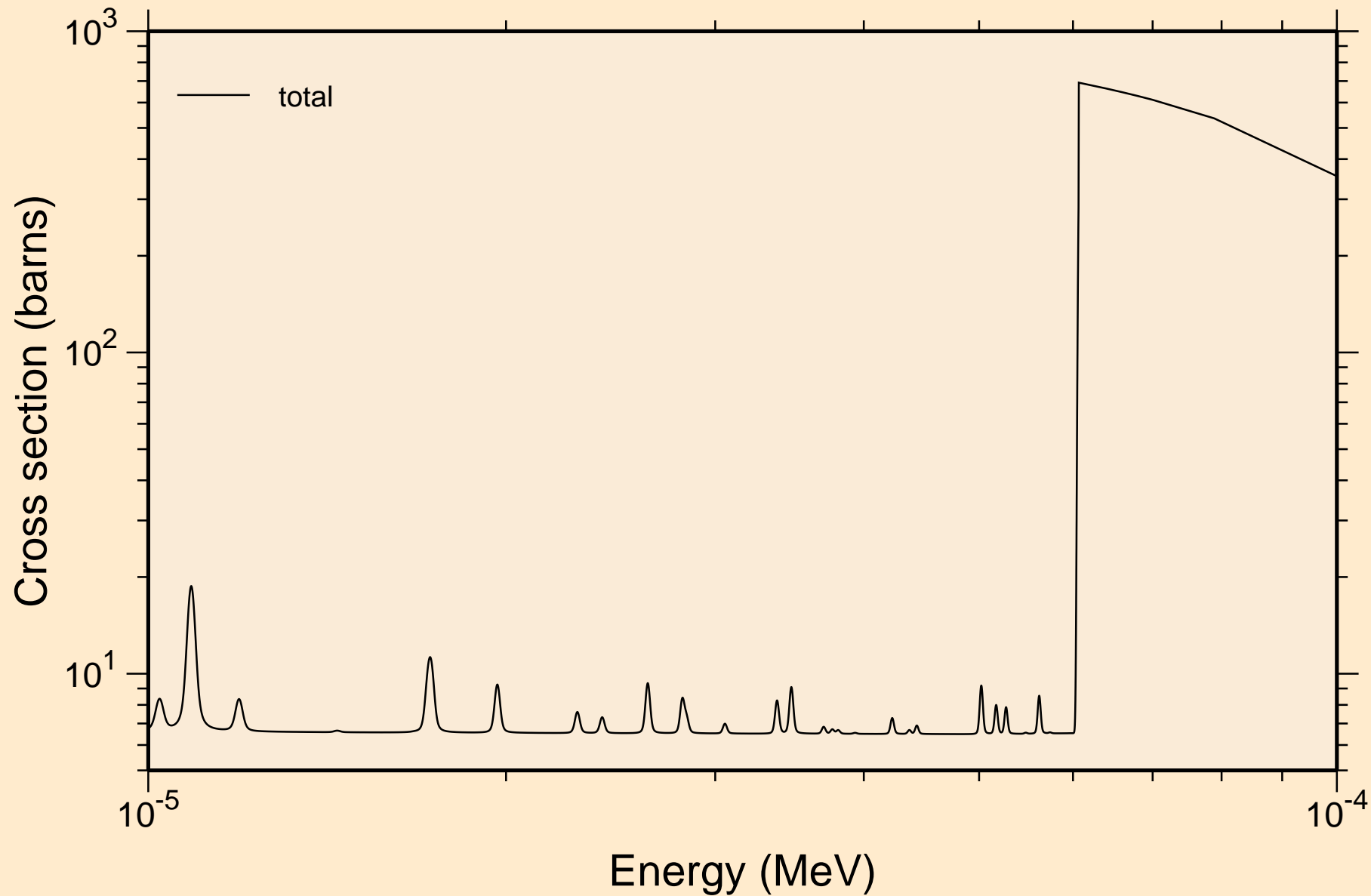
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



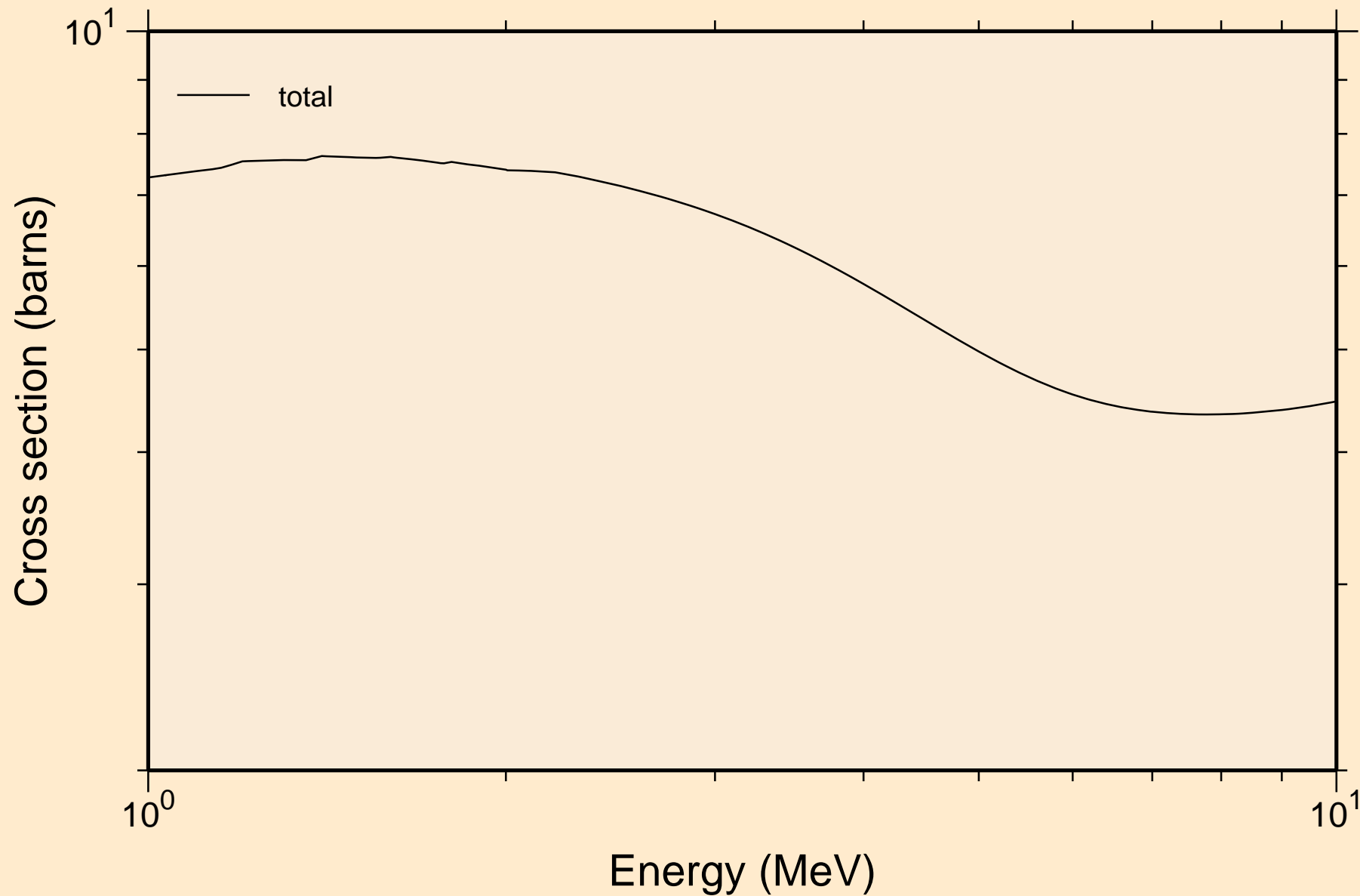
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



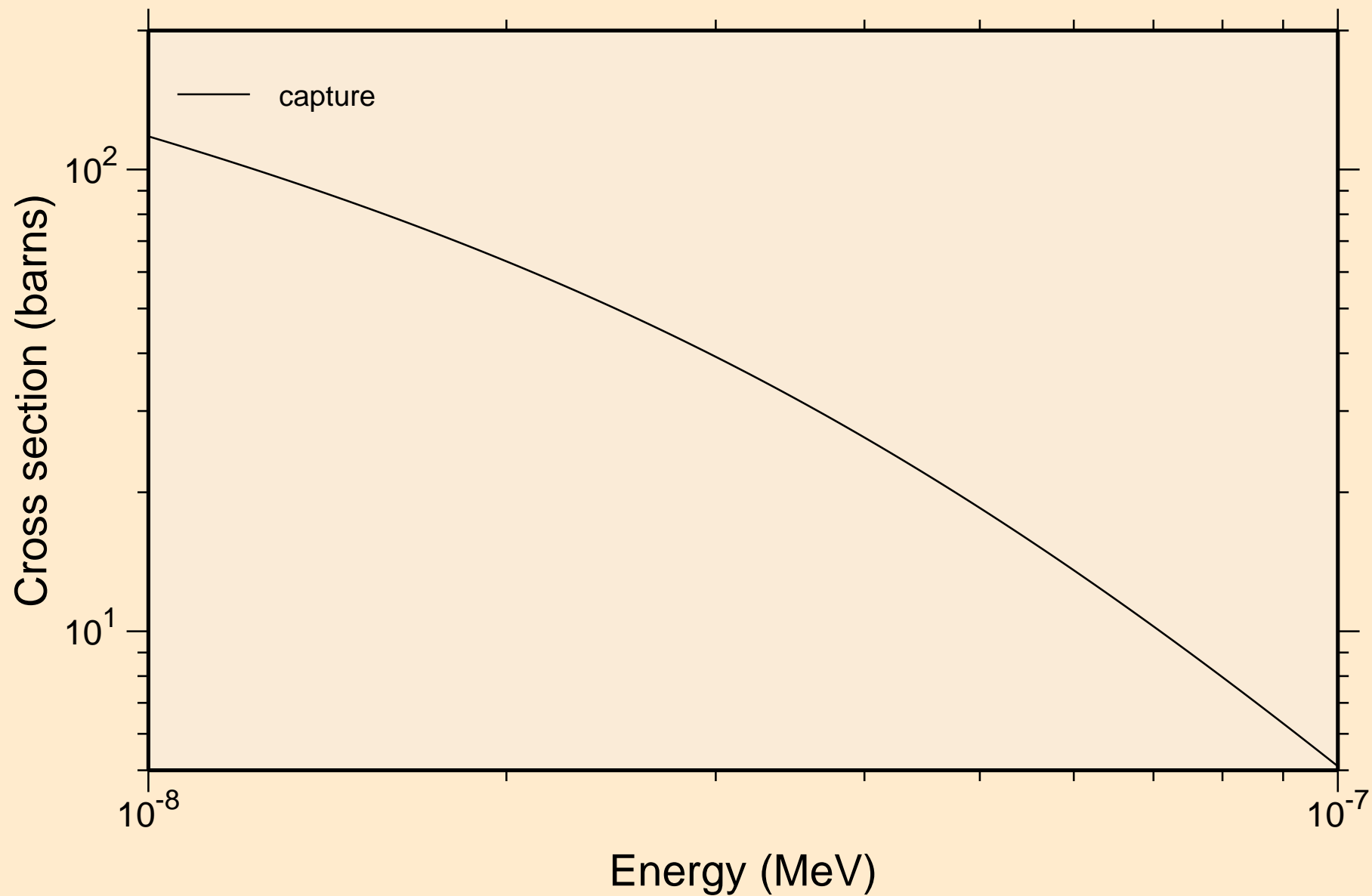
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



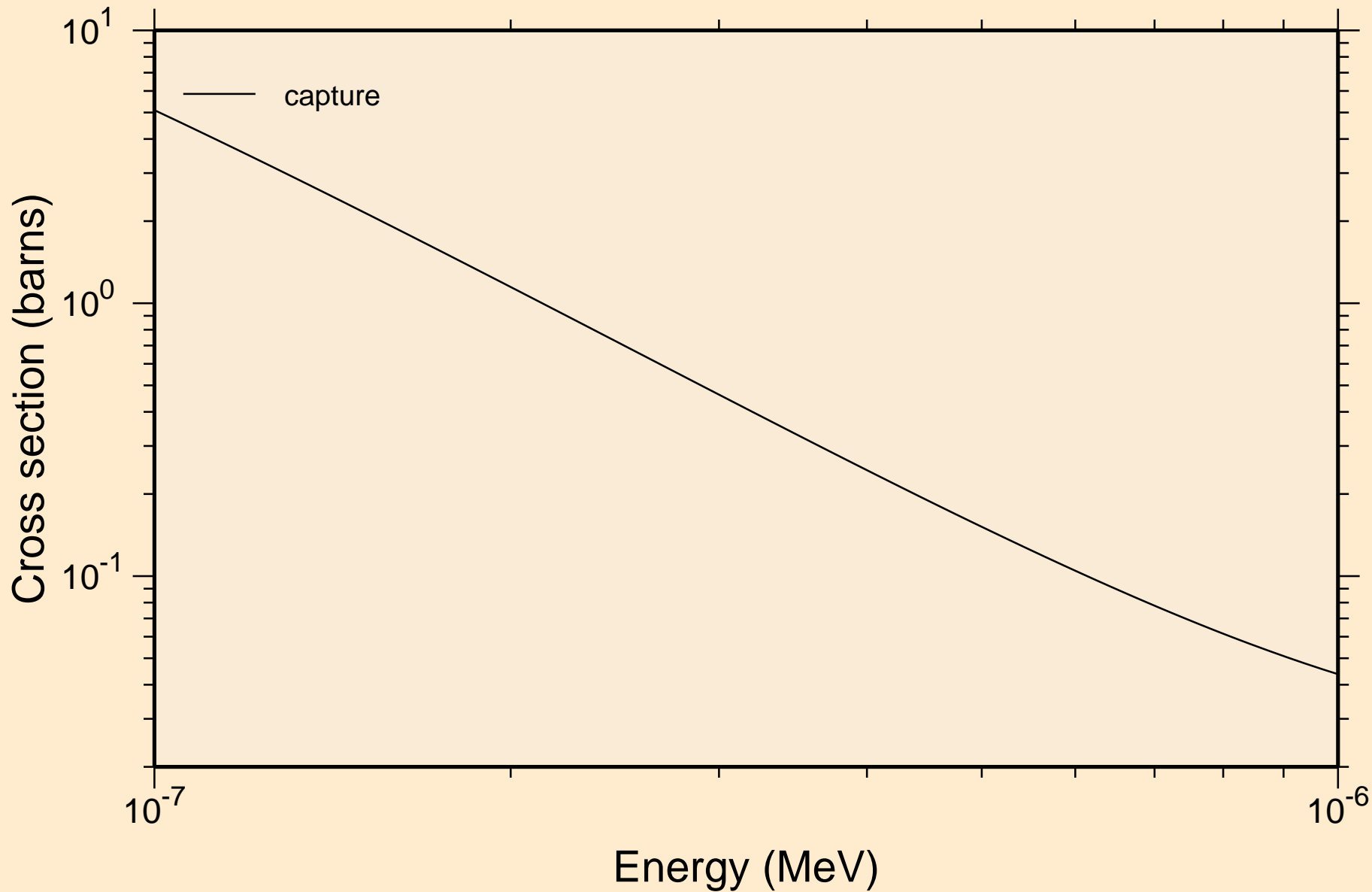
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

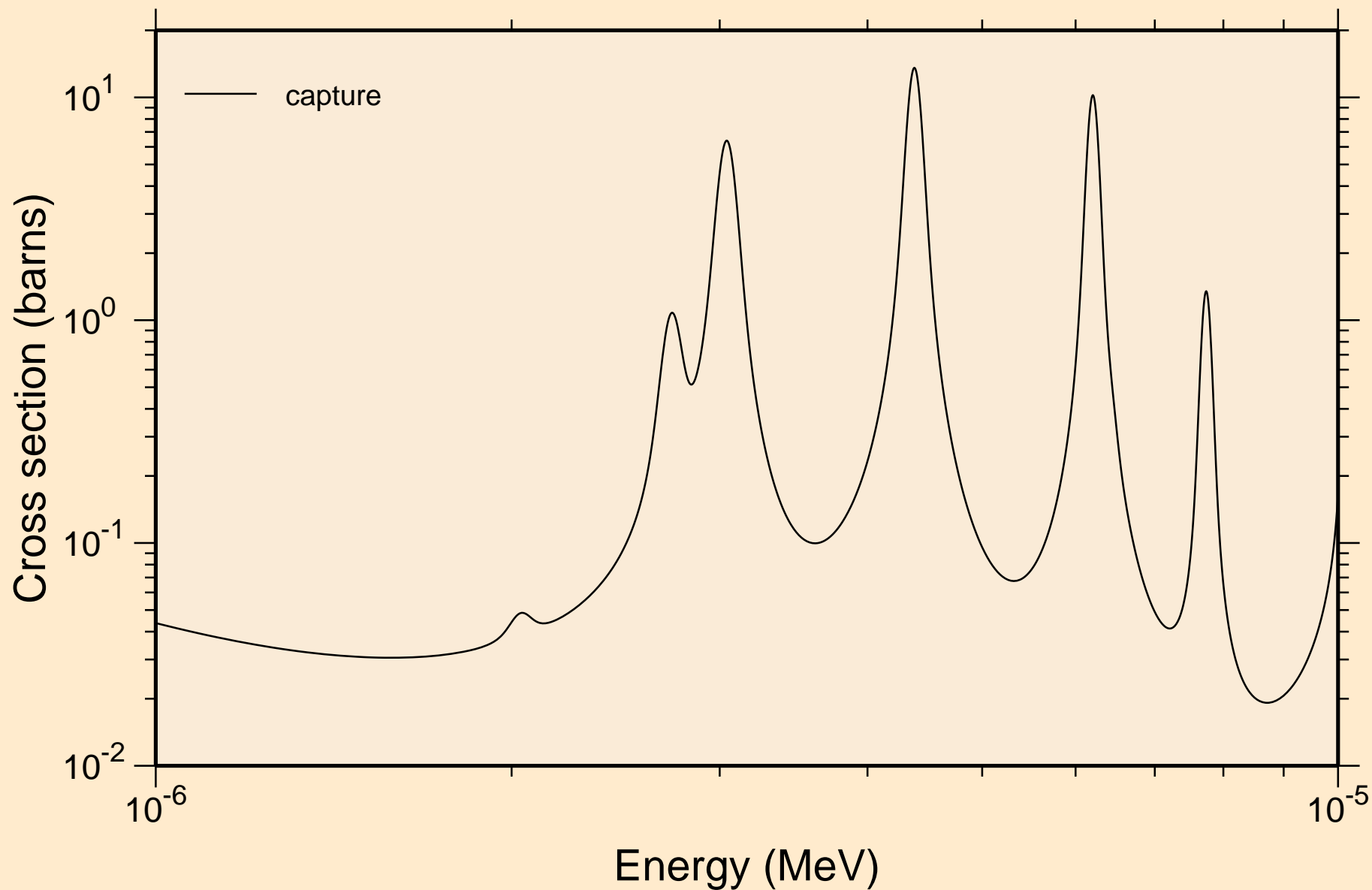


GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

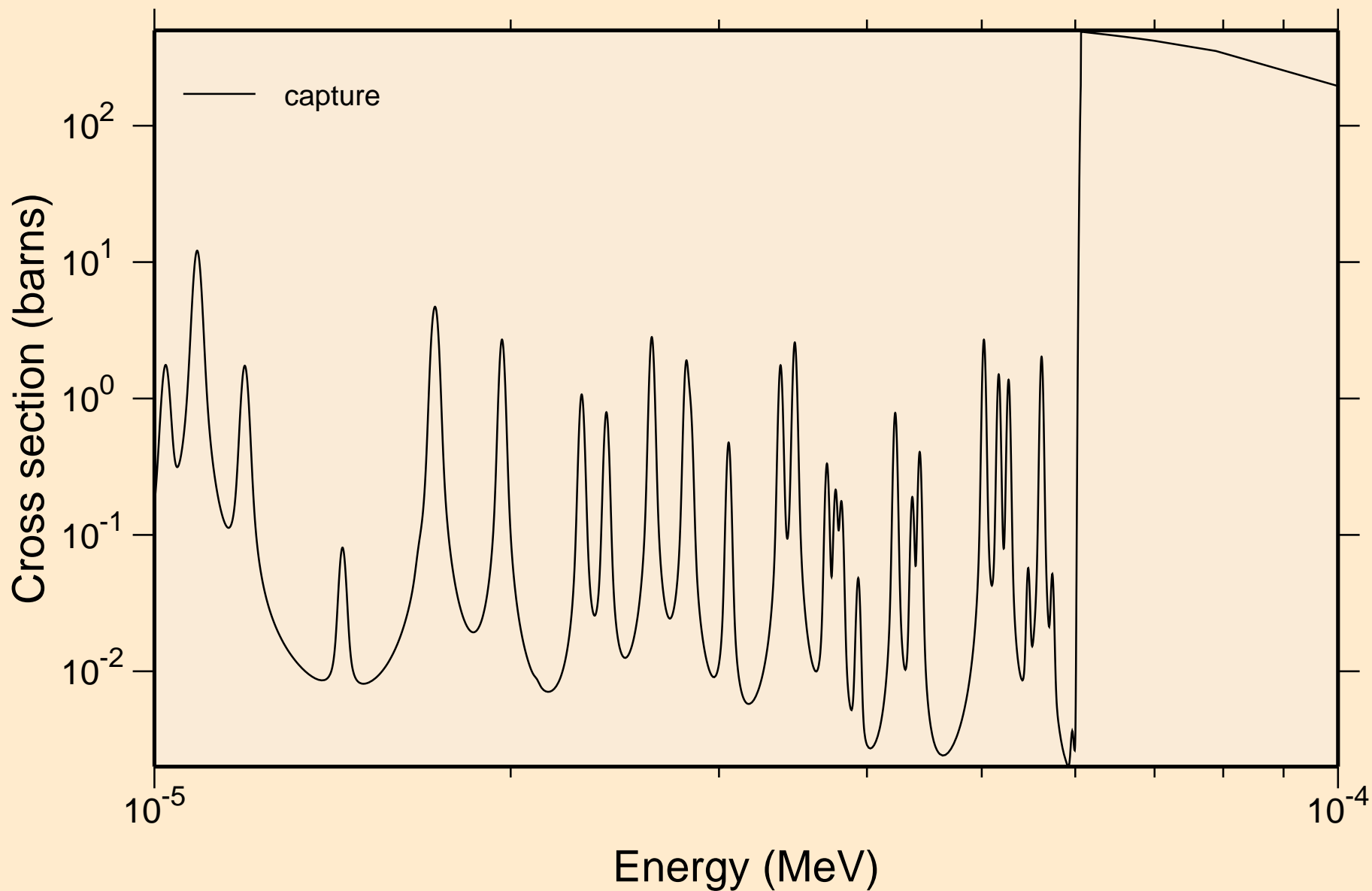




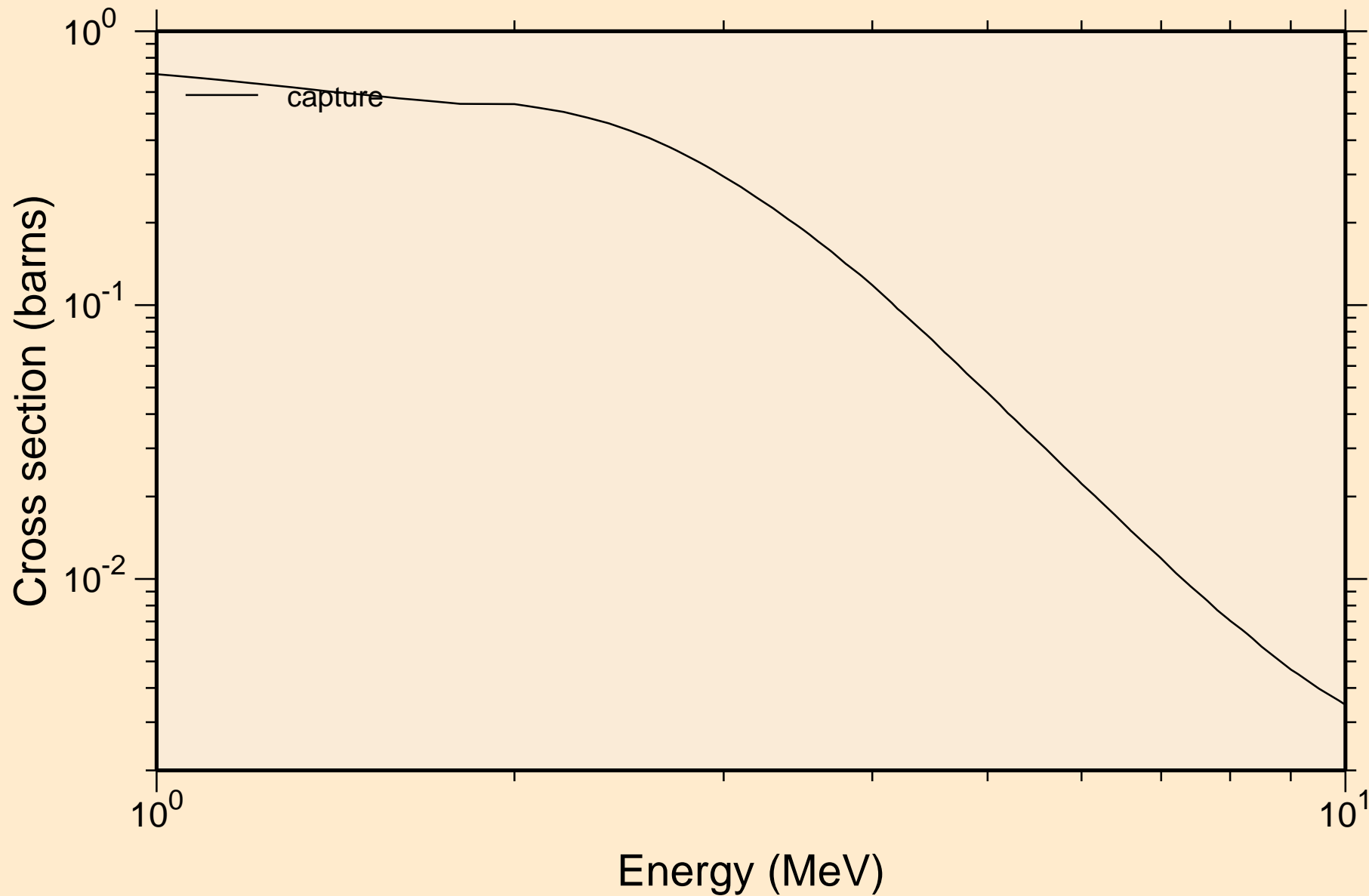
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



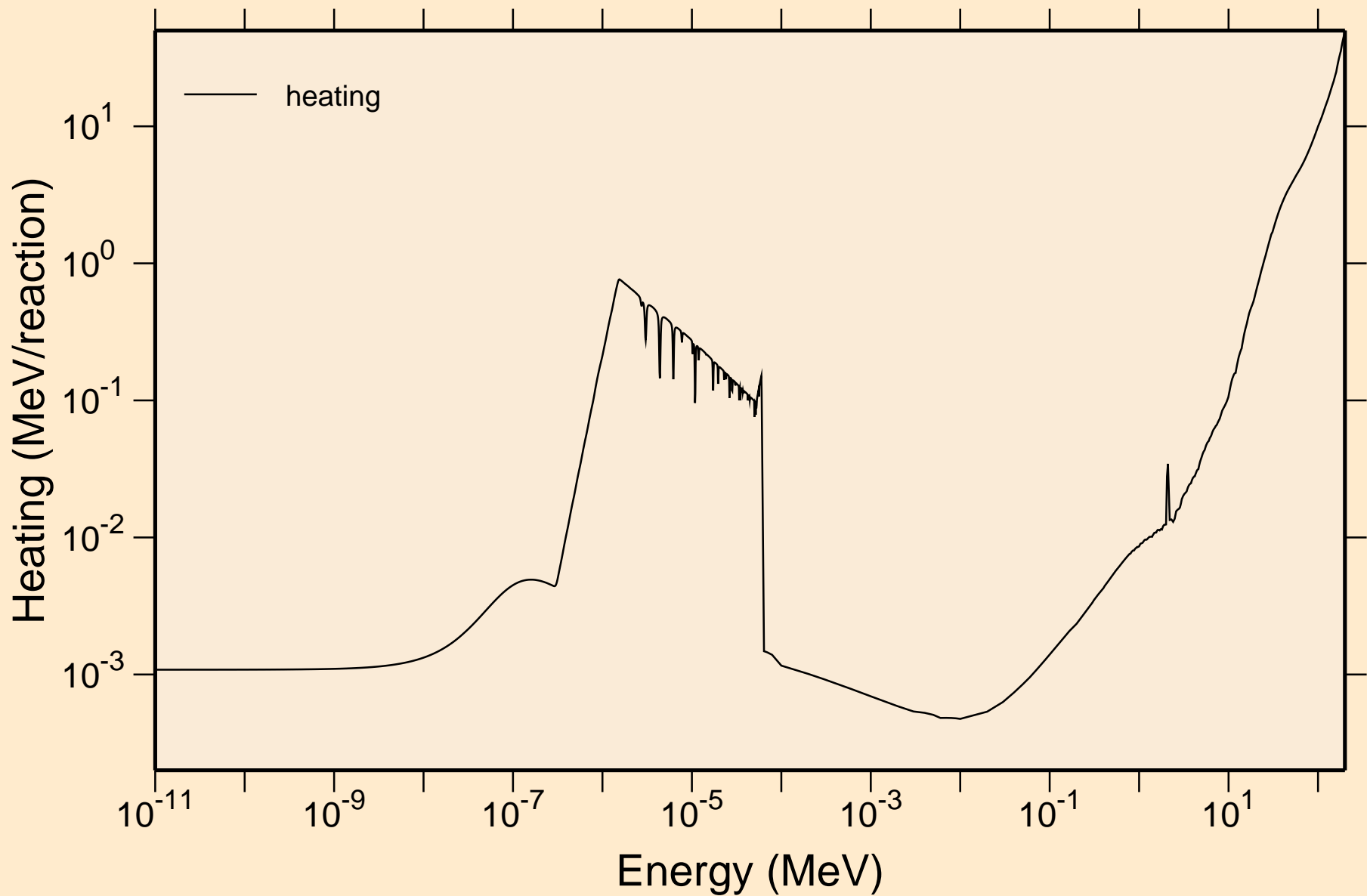
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



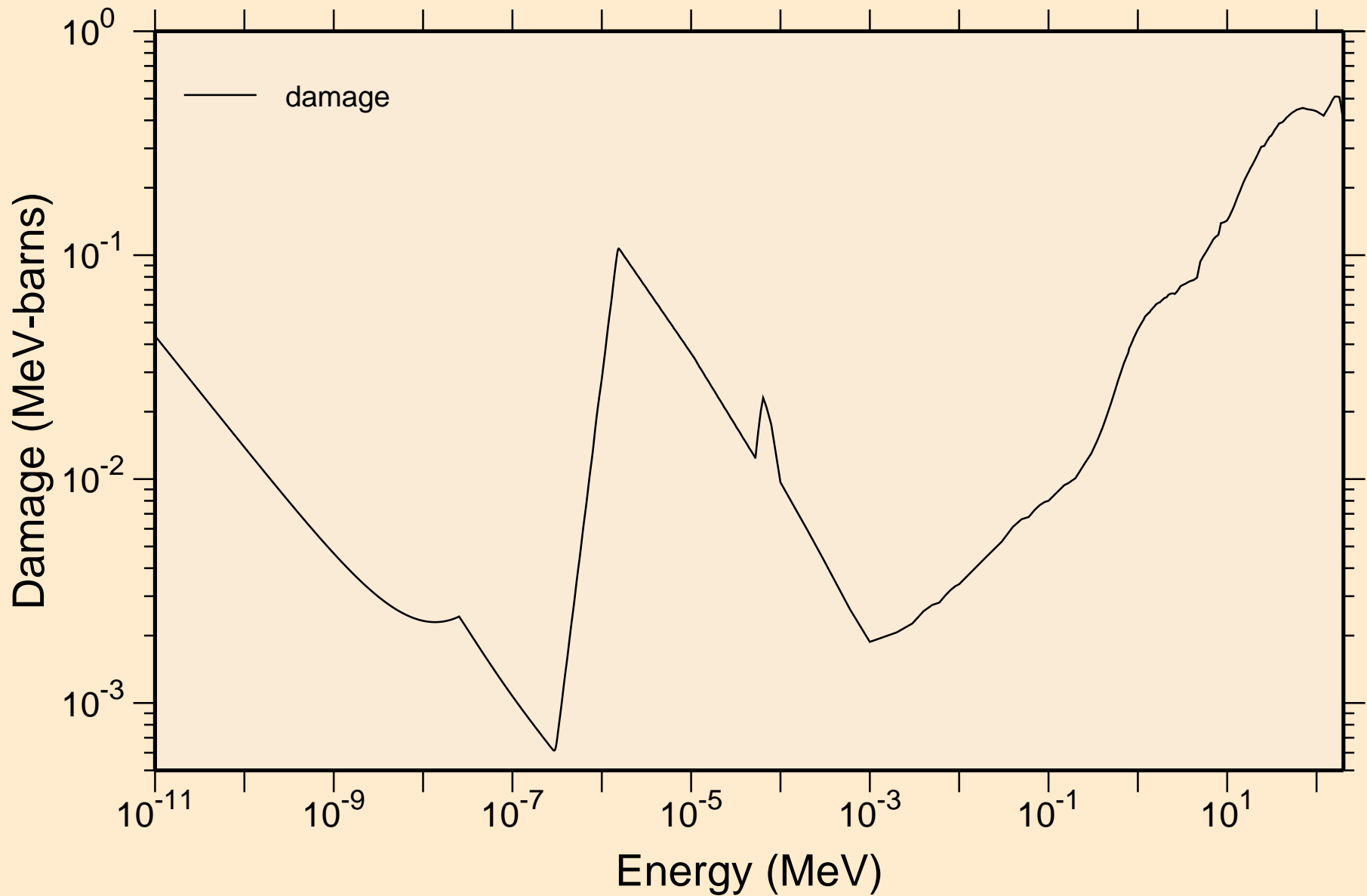
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



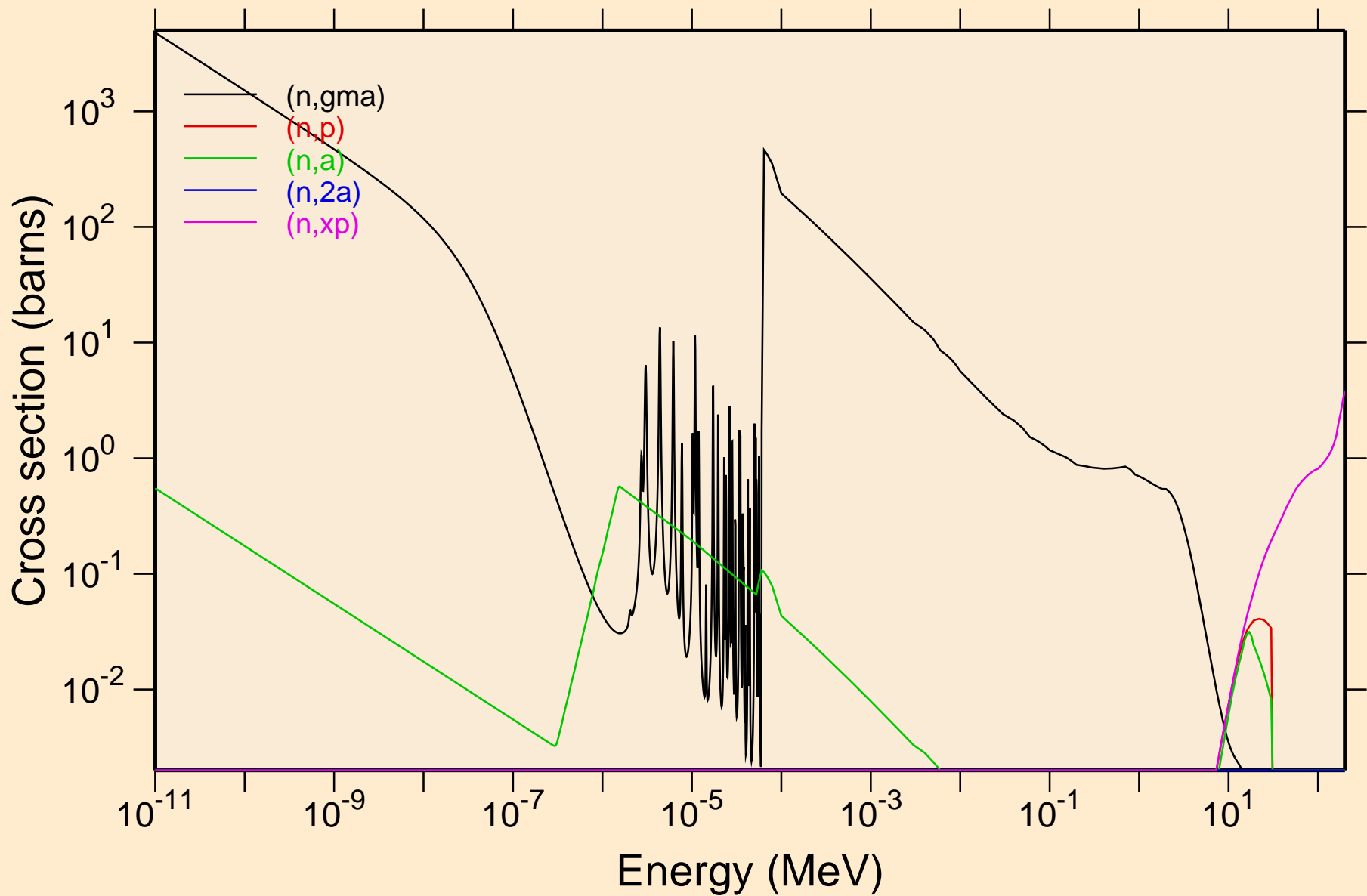
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



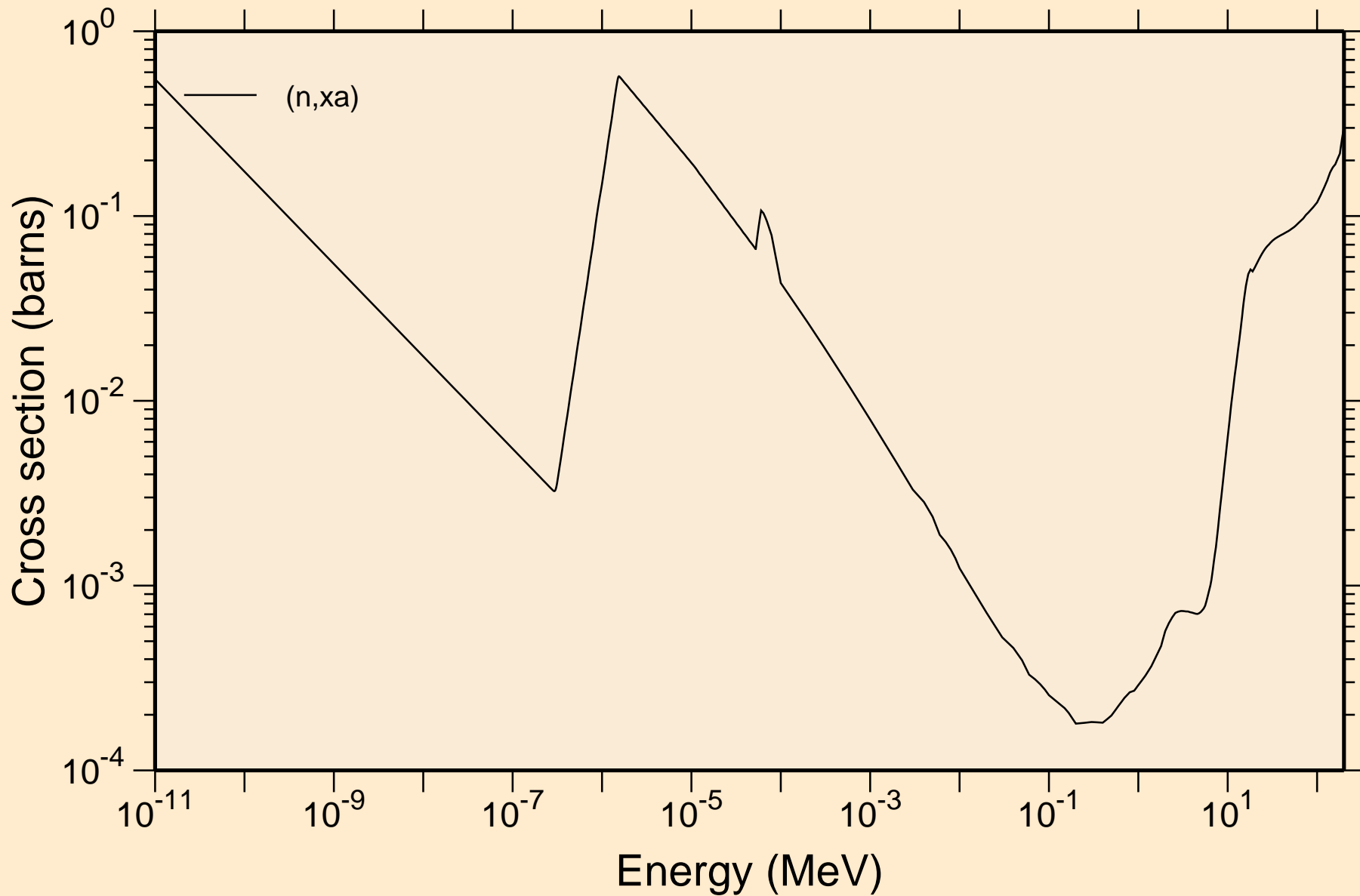
# GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage



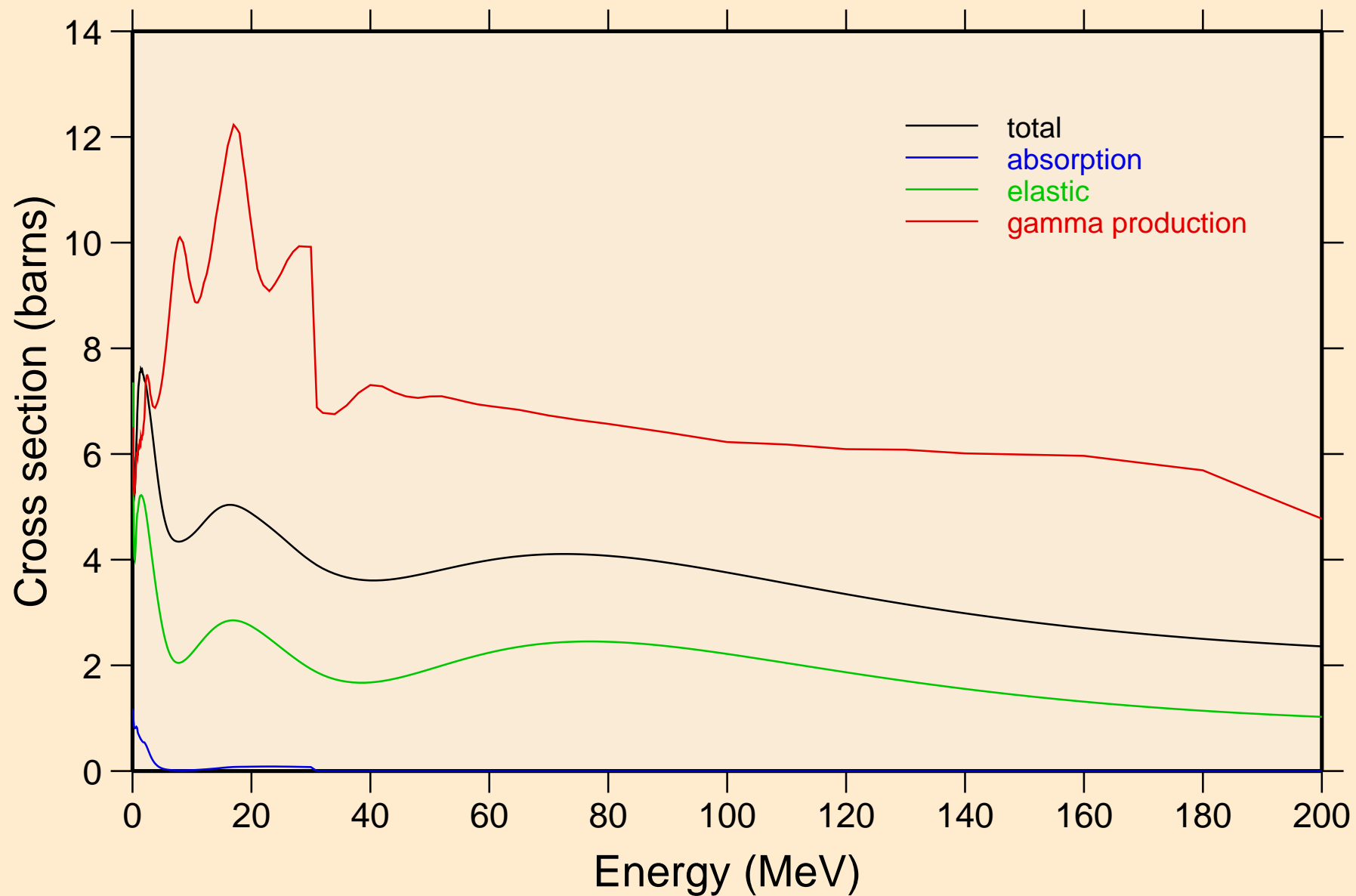
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

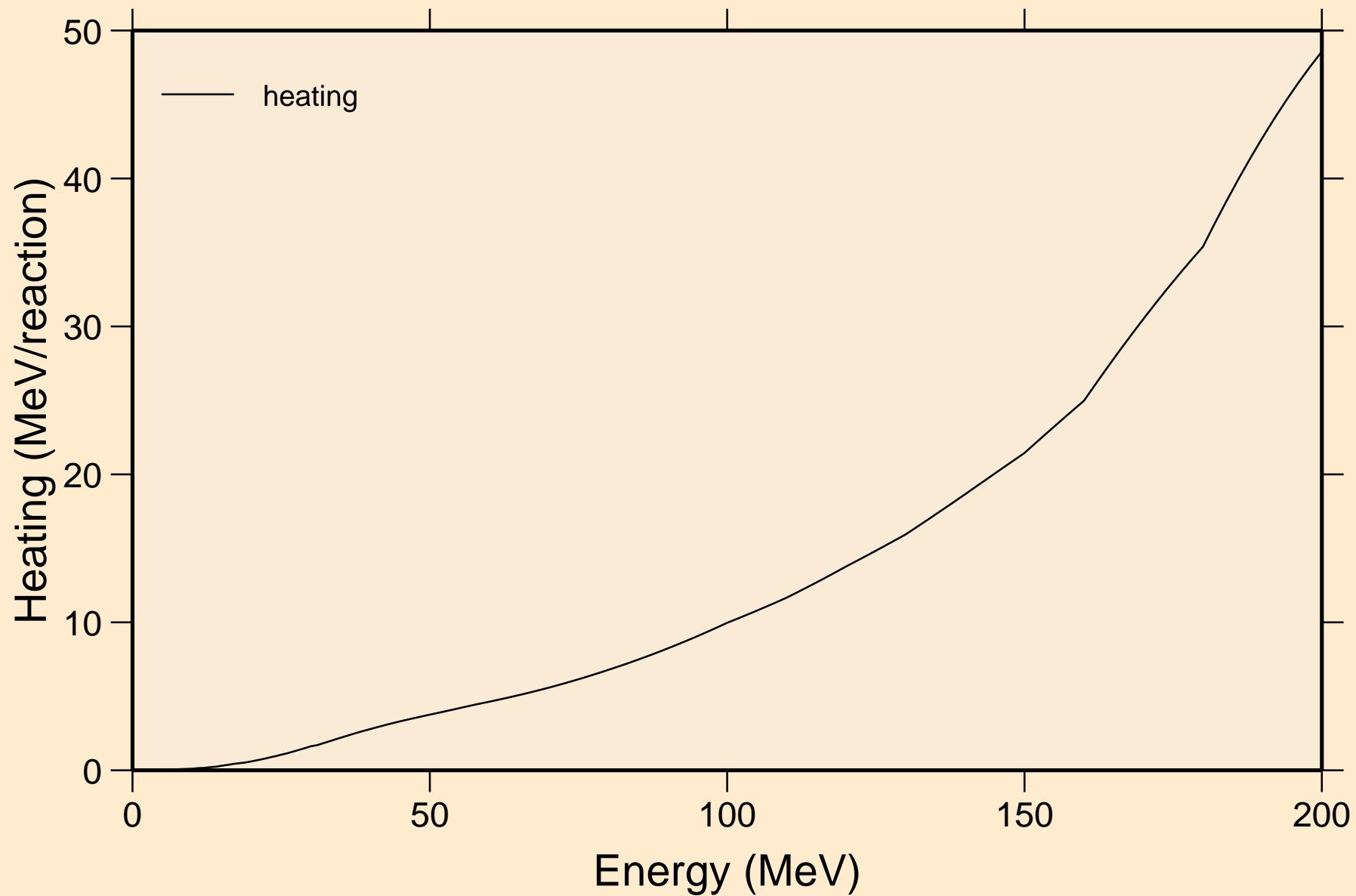


GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections

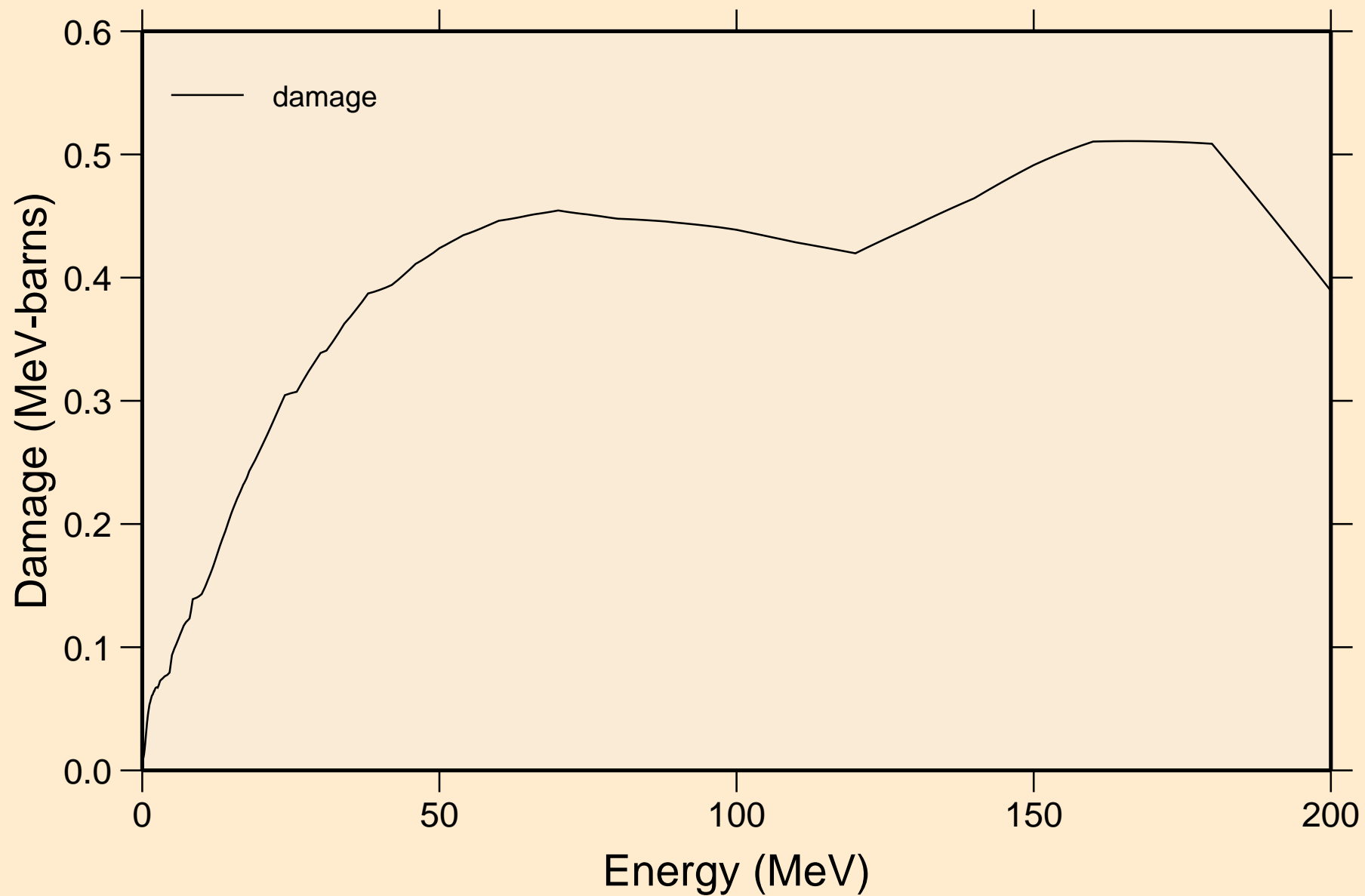




GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

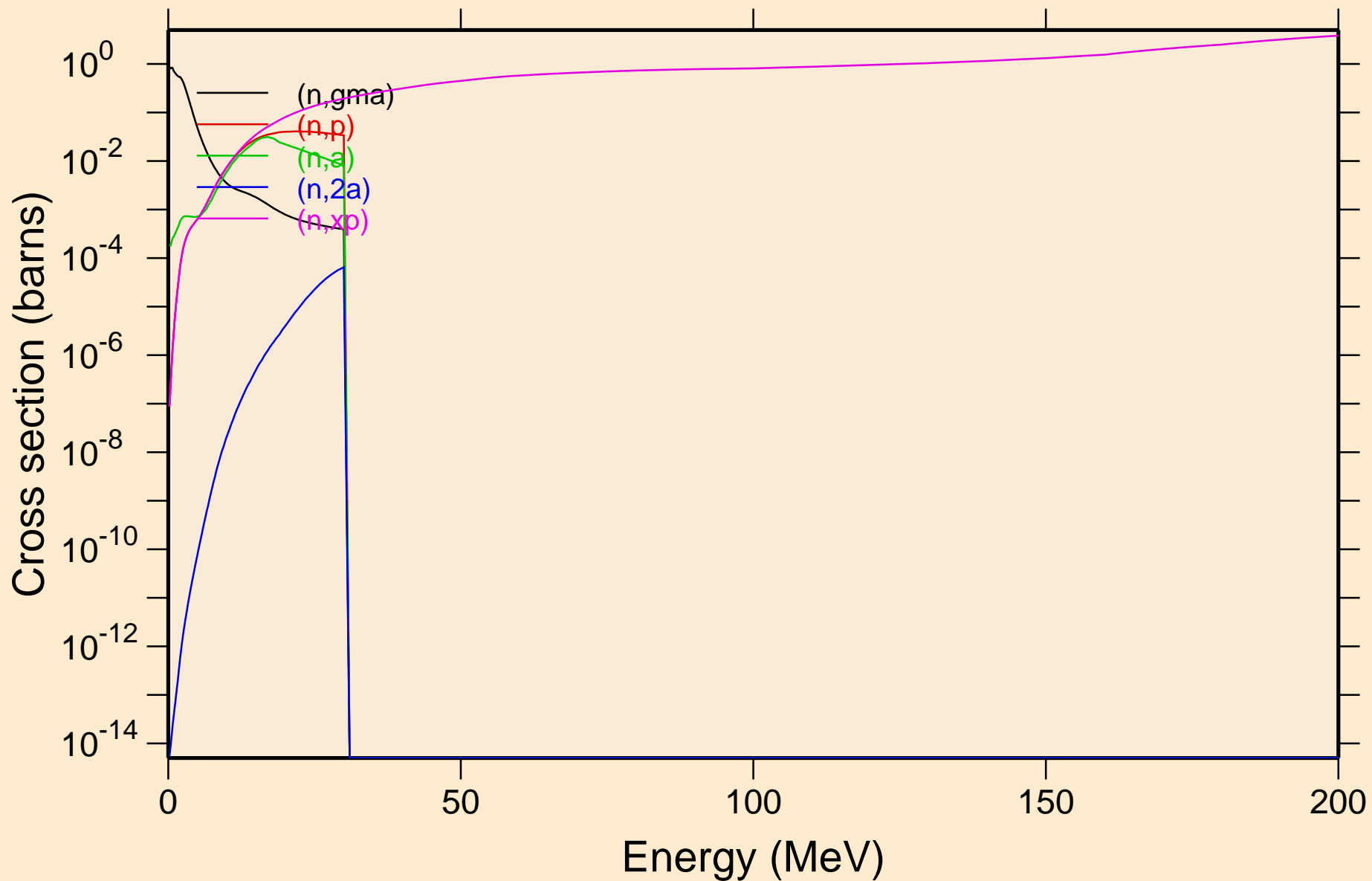


GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage

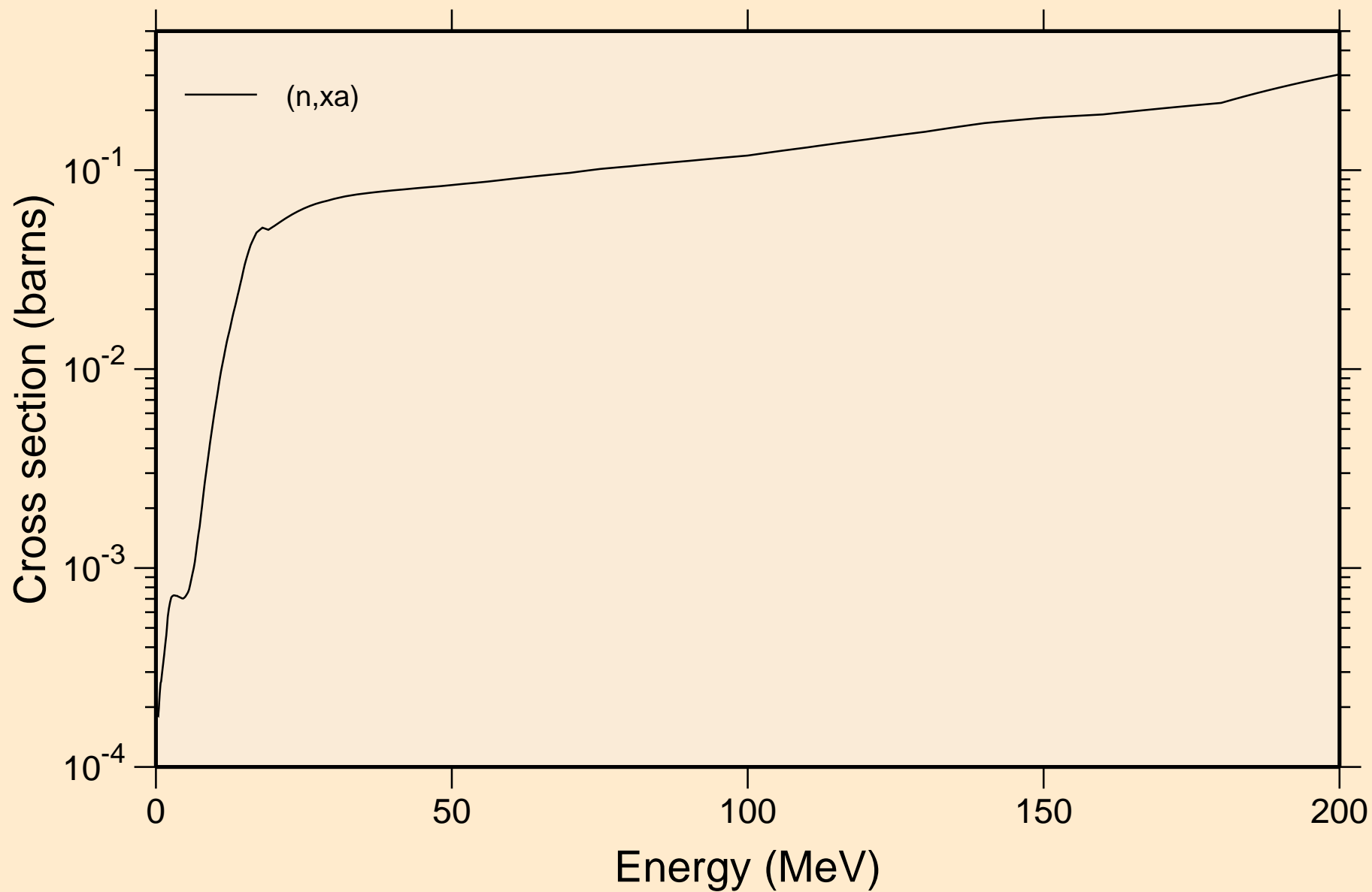


# GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

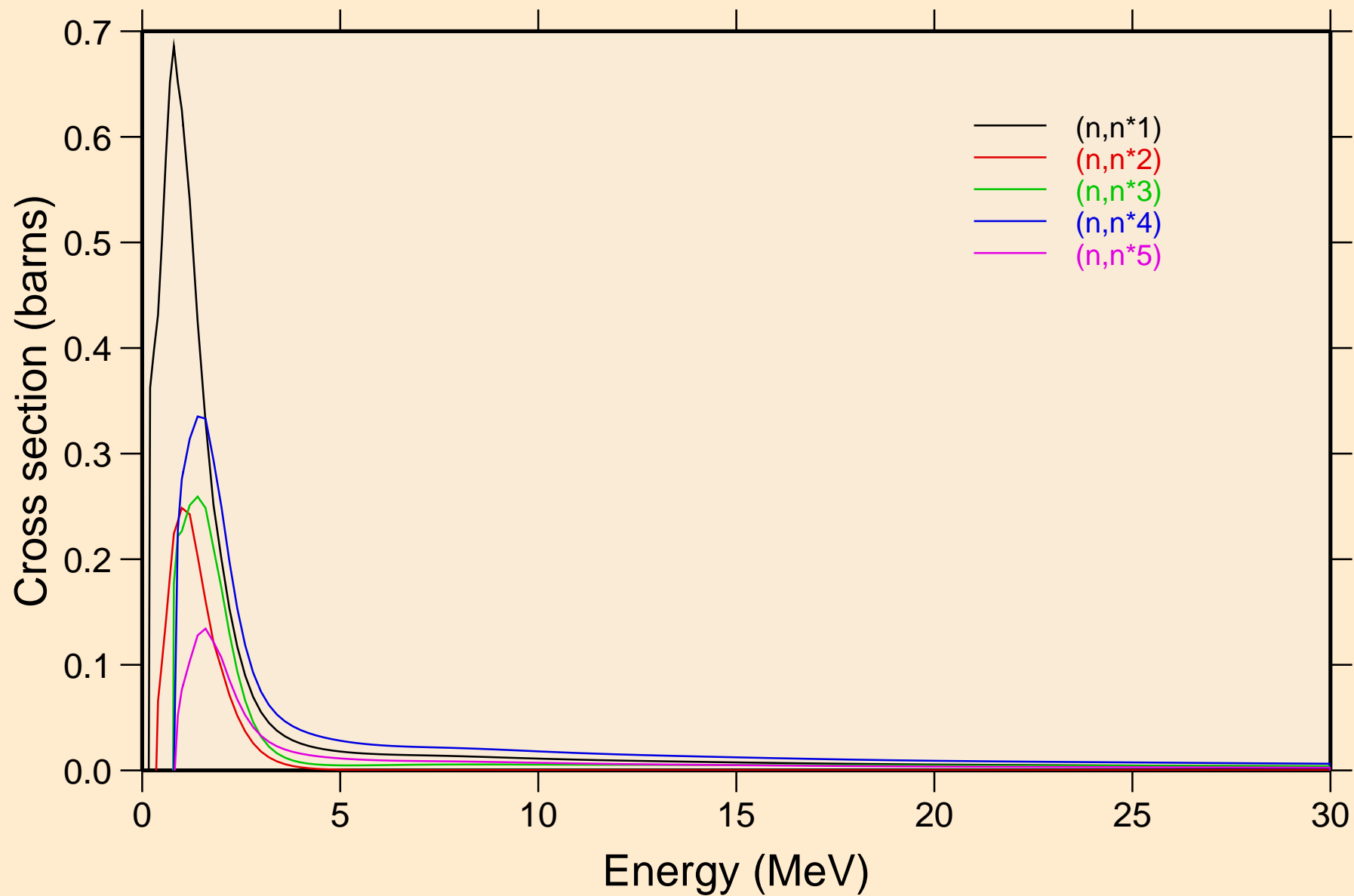
## Non-threshold reactions



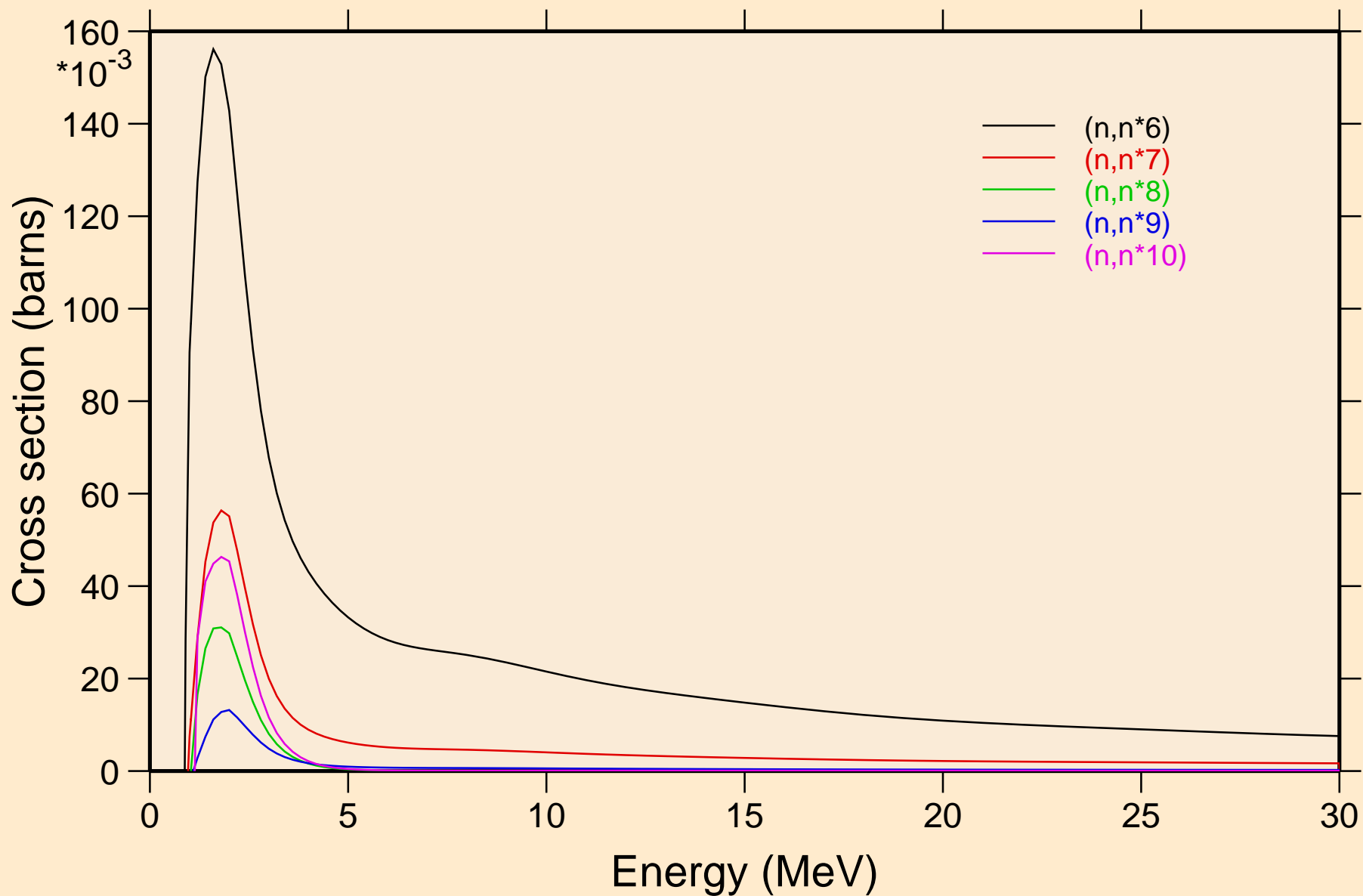
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



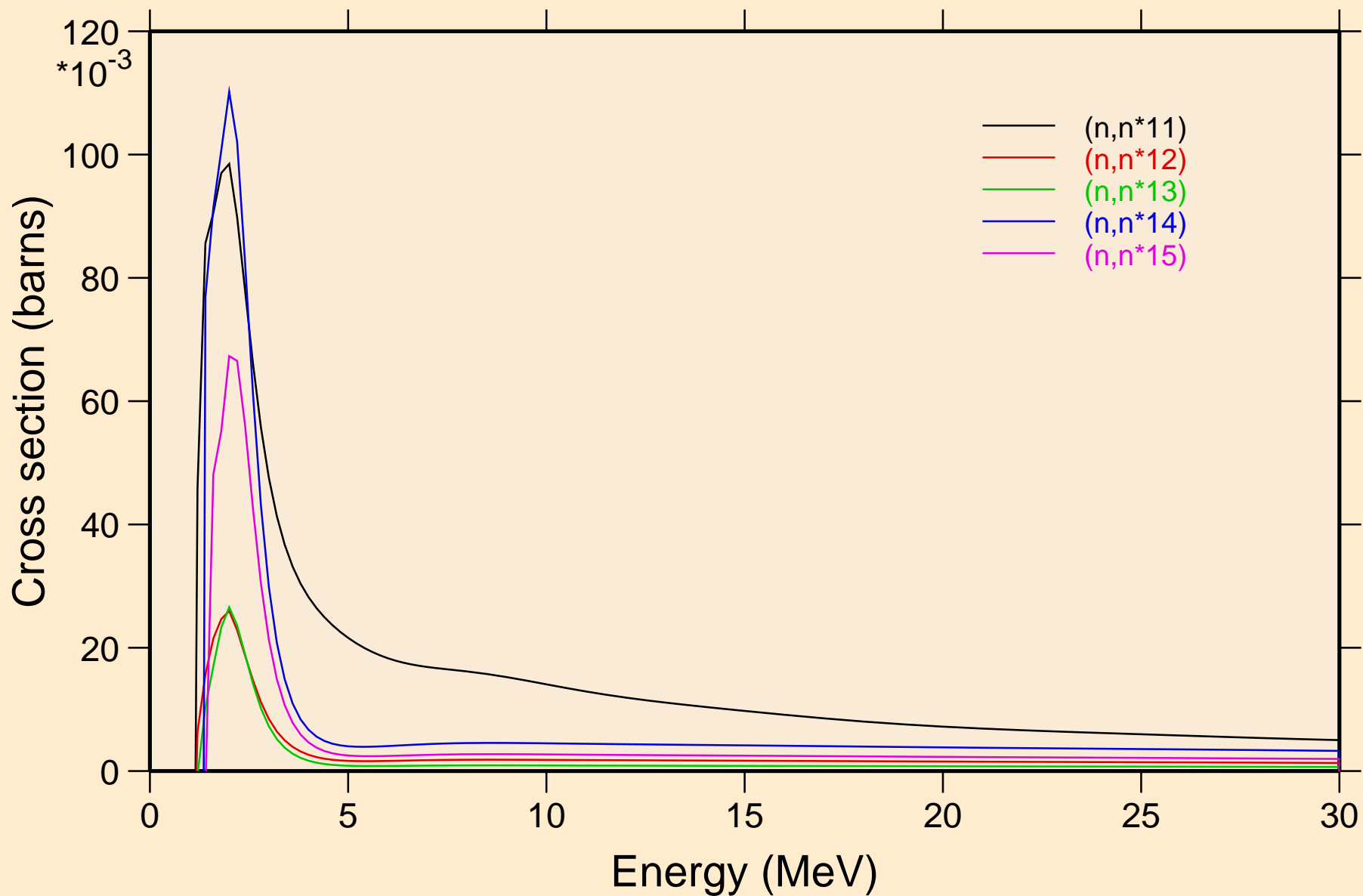
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



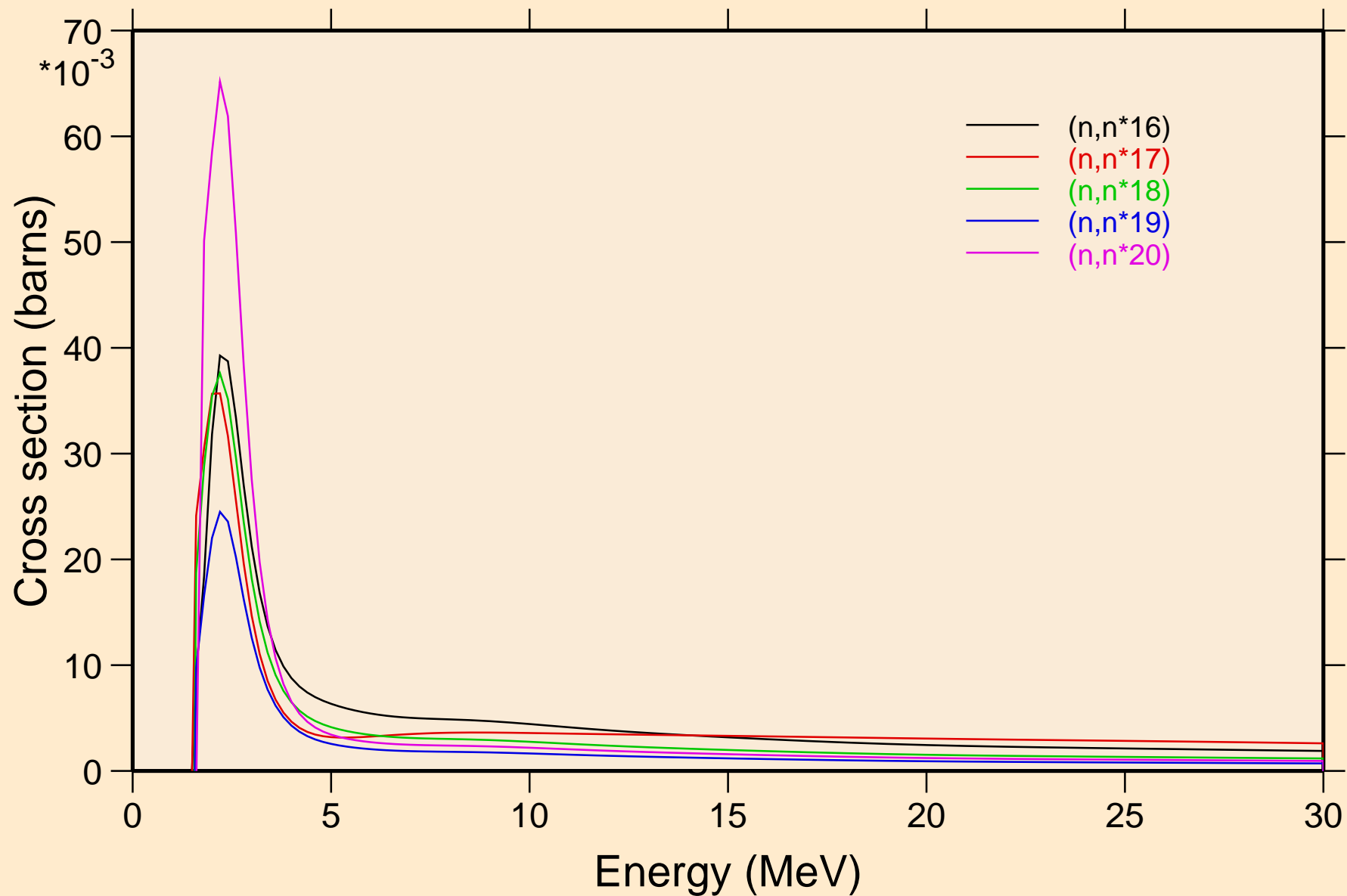
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

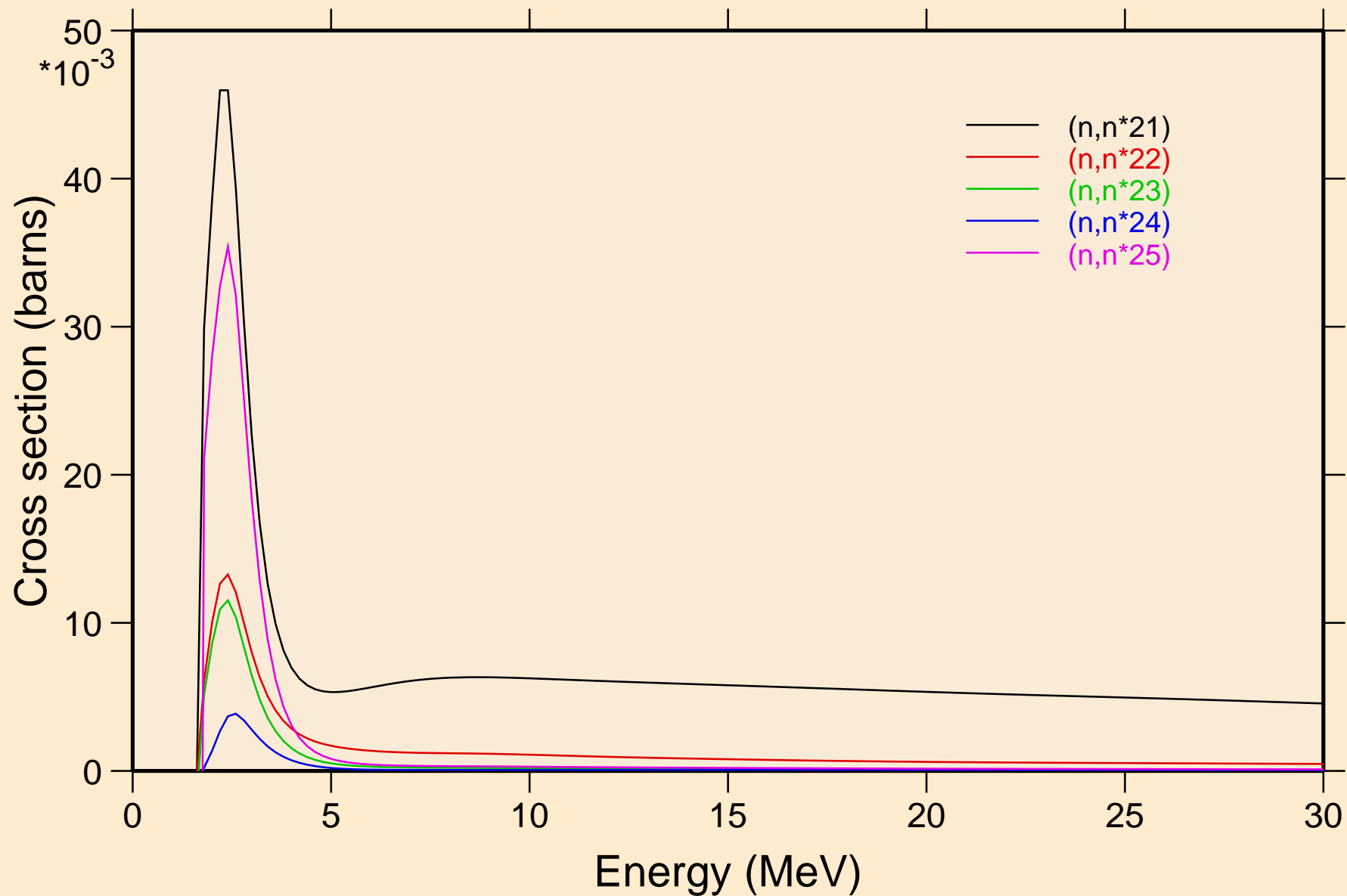


GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

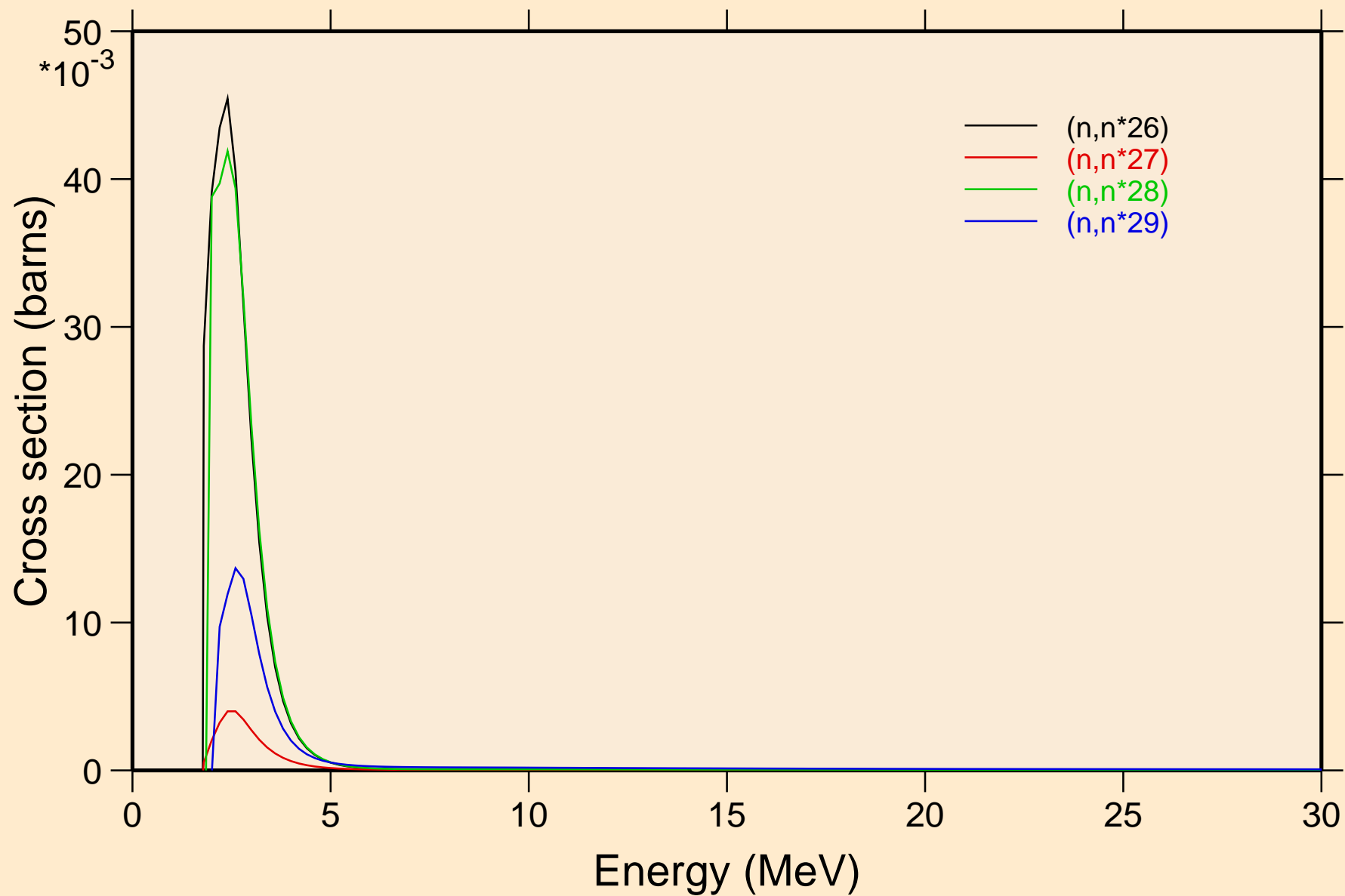




GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

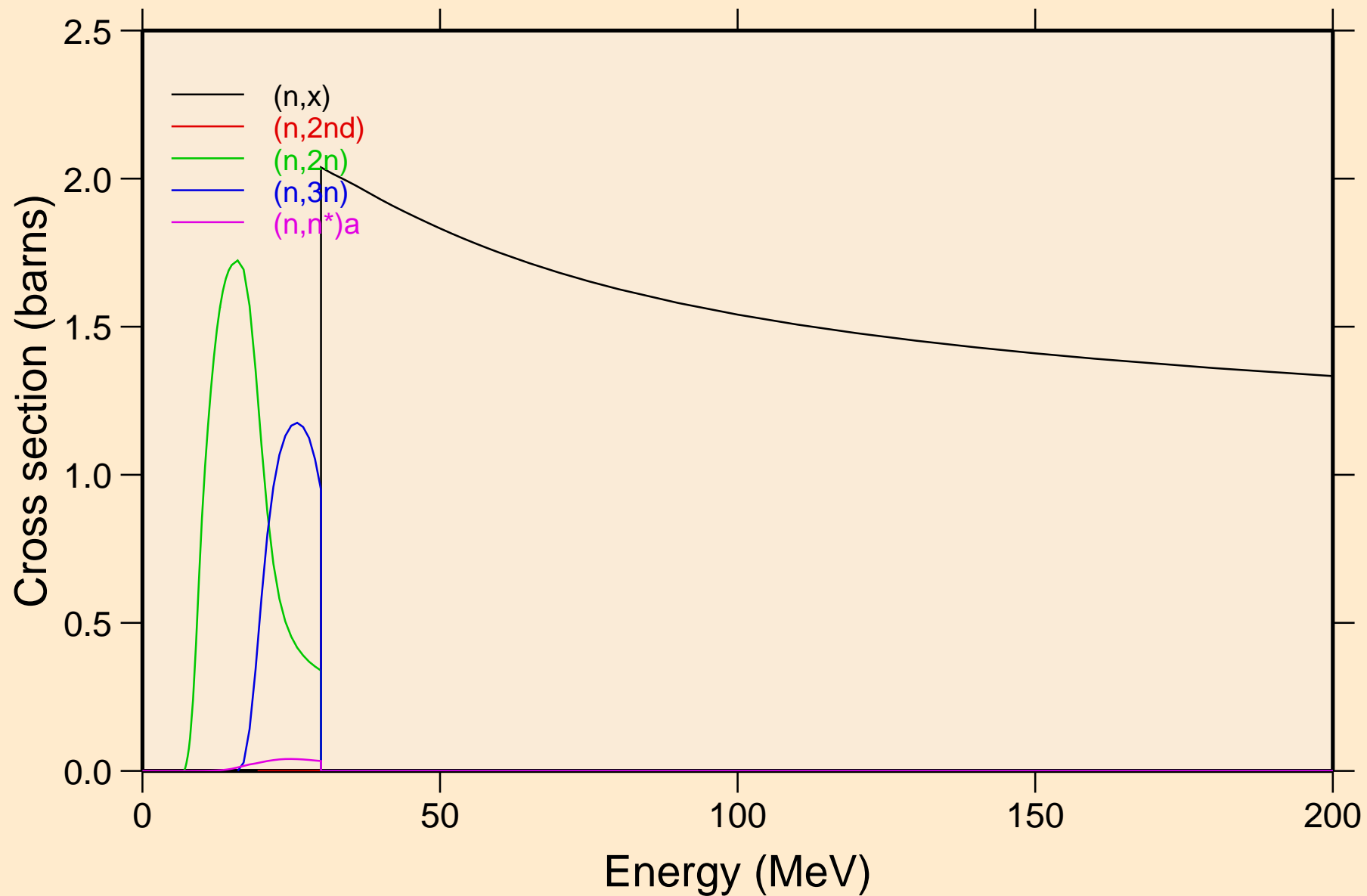


GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

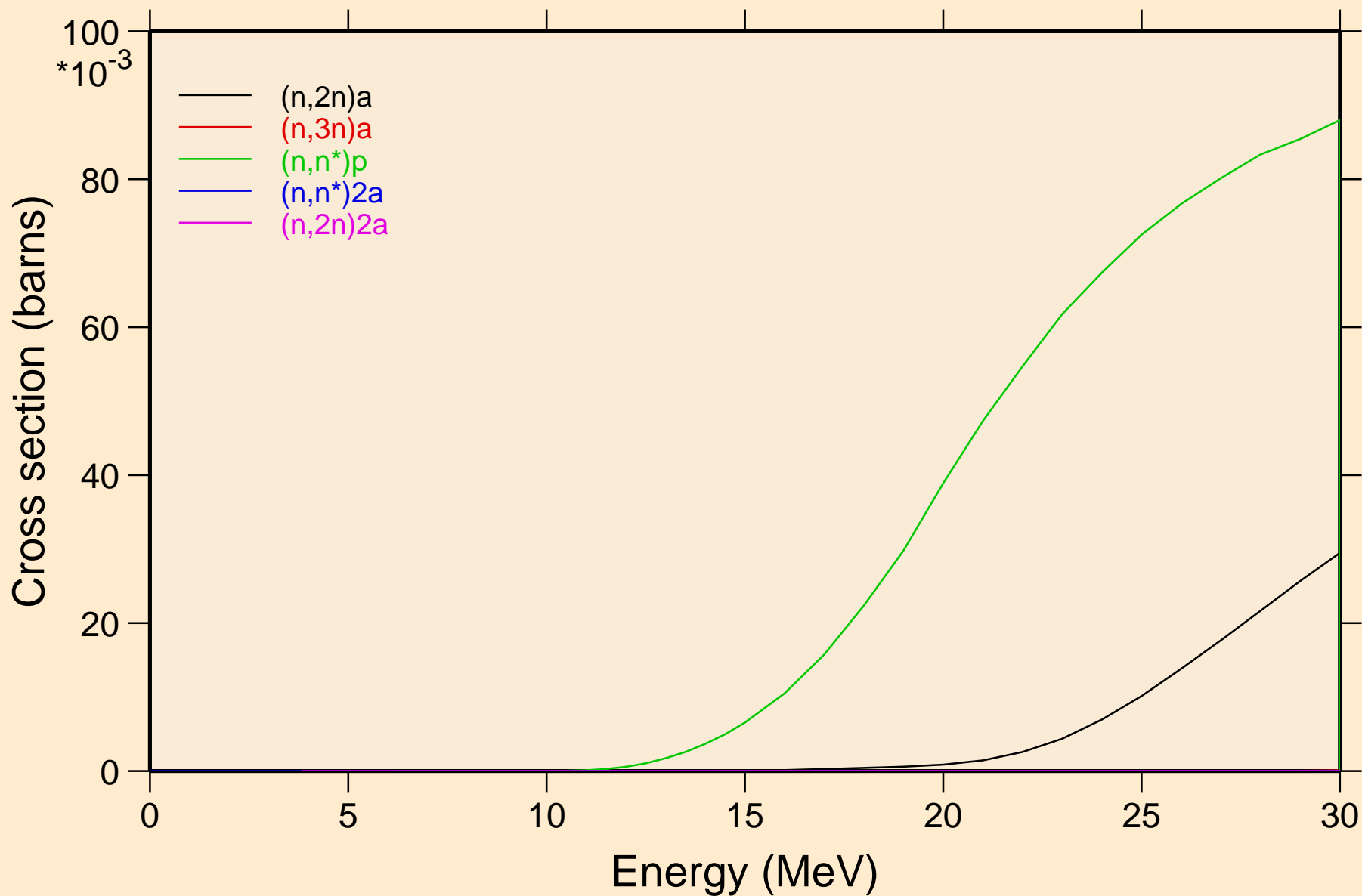


# GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions

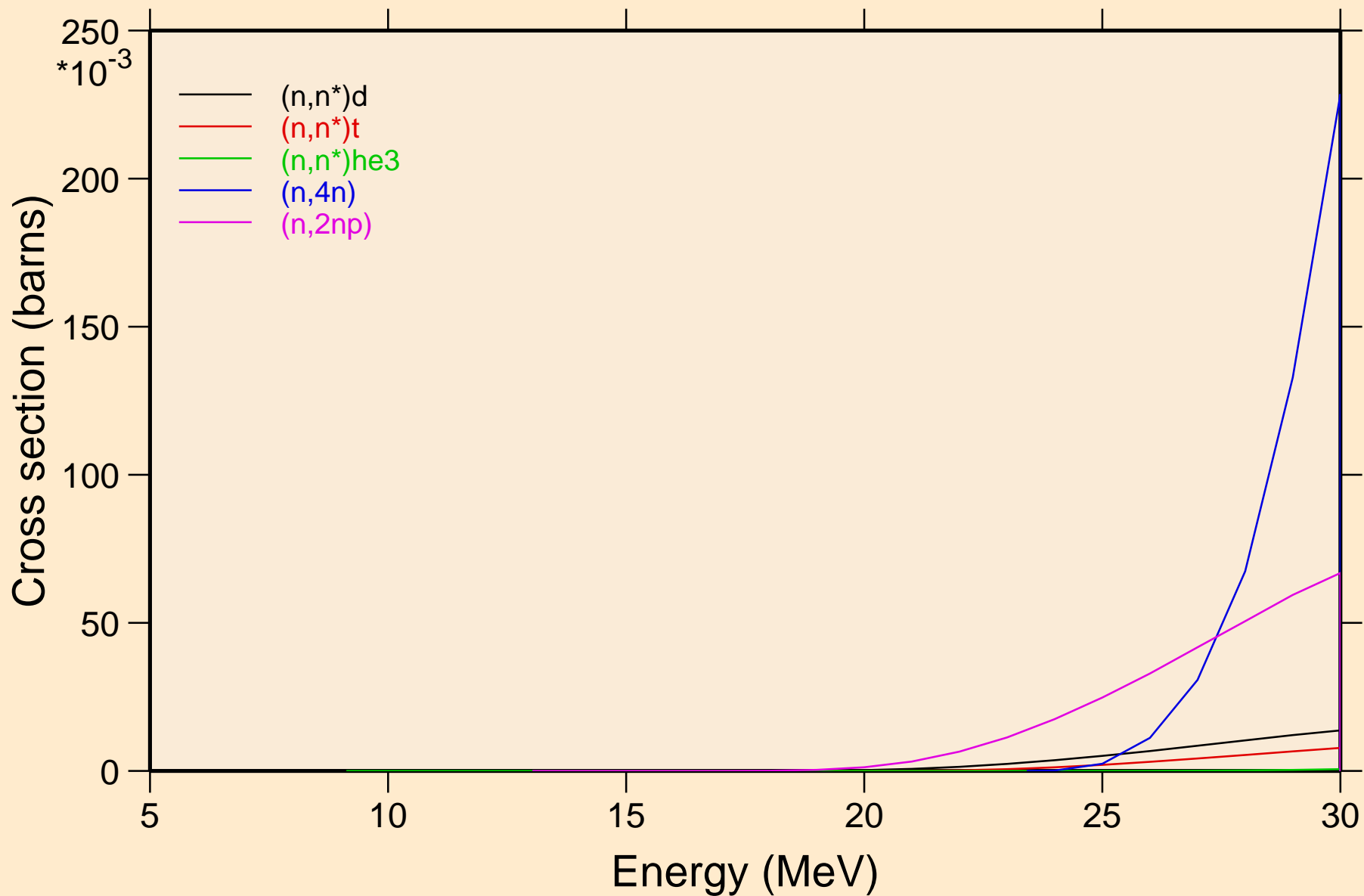


GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

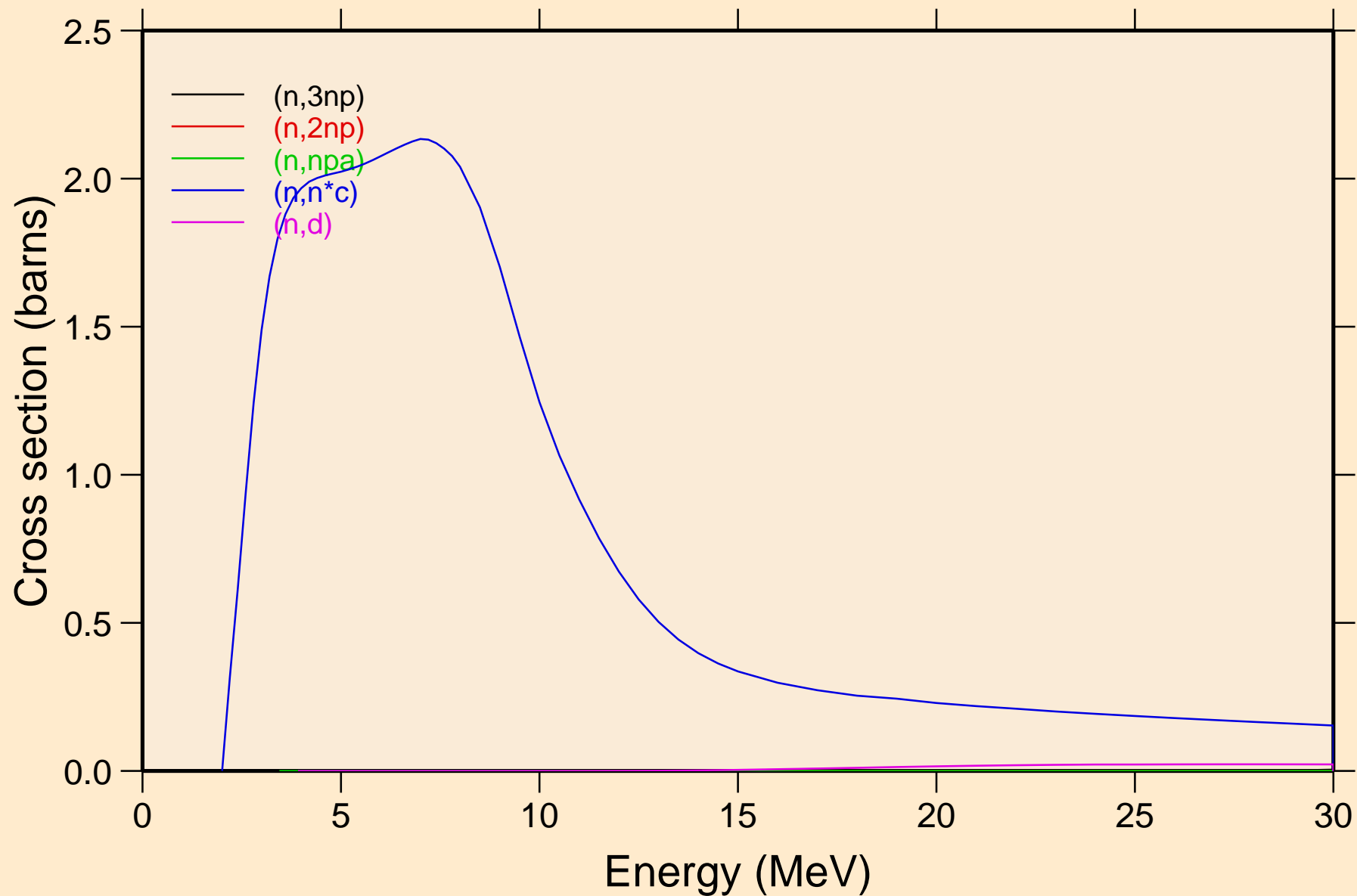


# GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

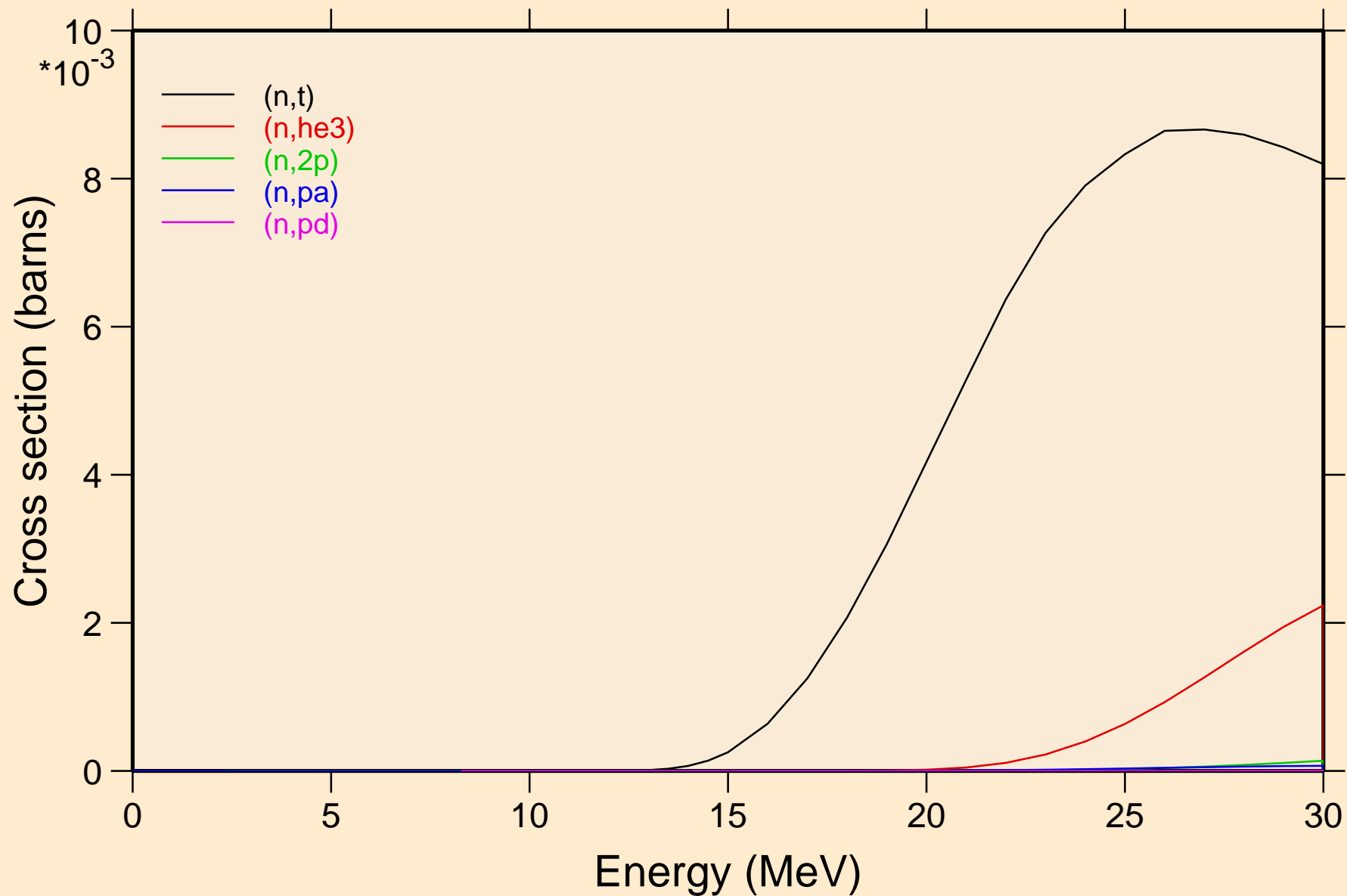
## Threshold reactions



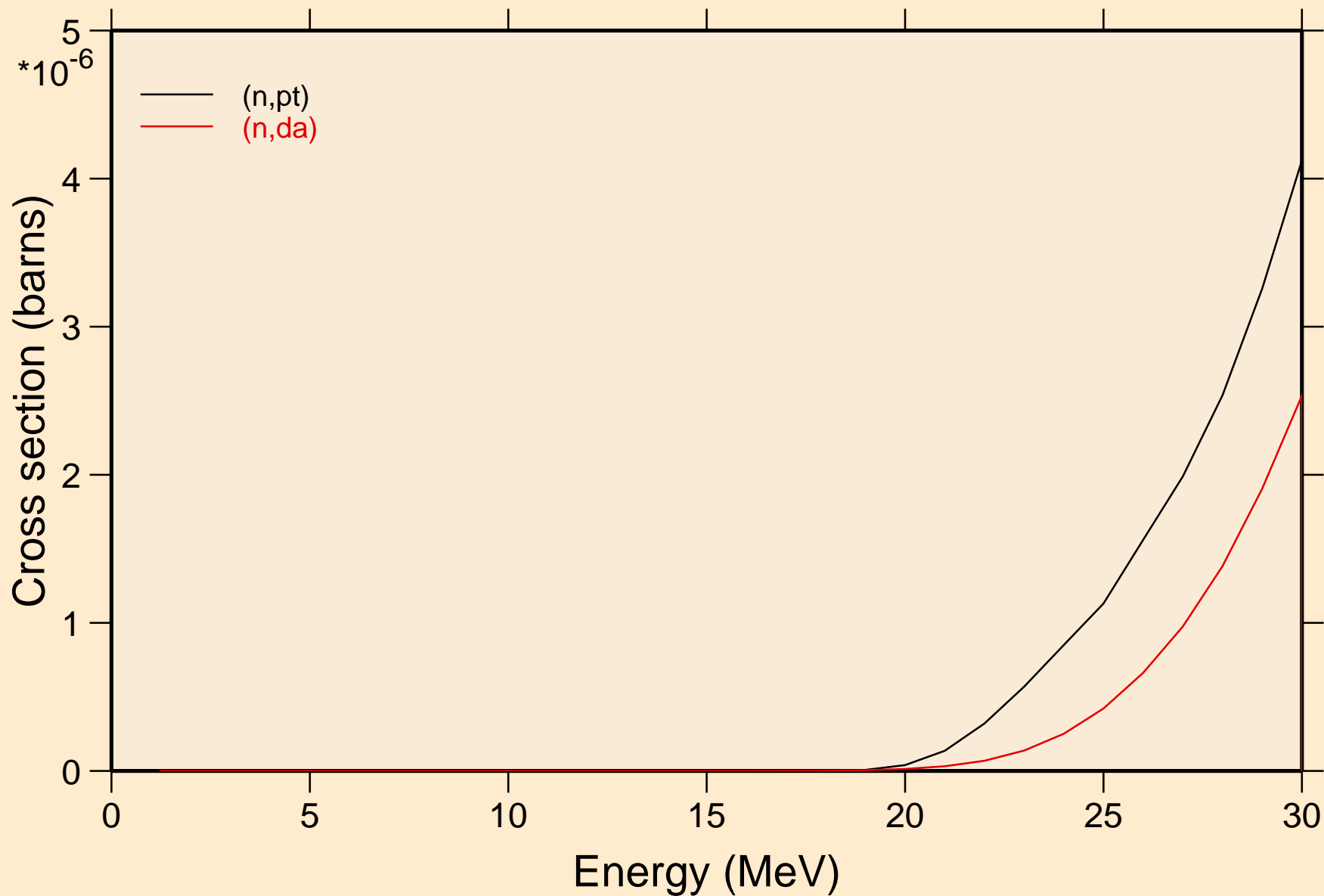
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

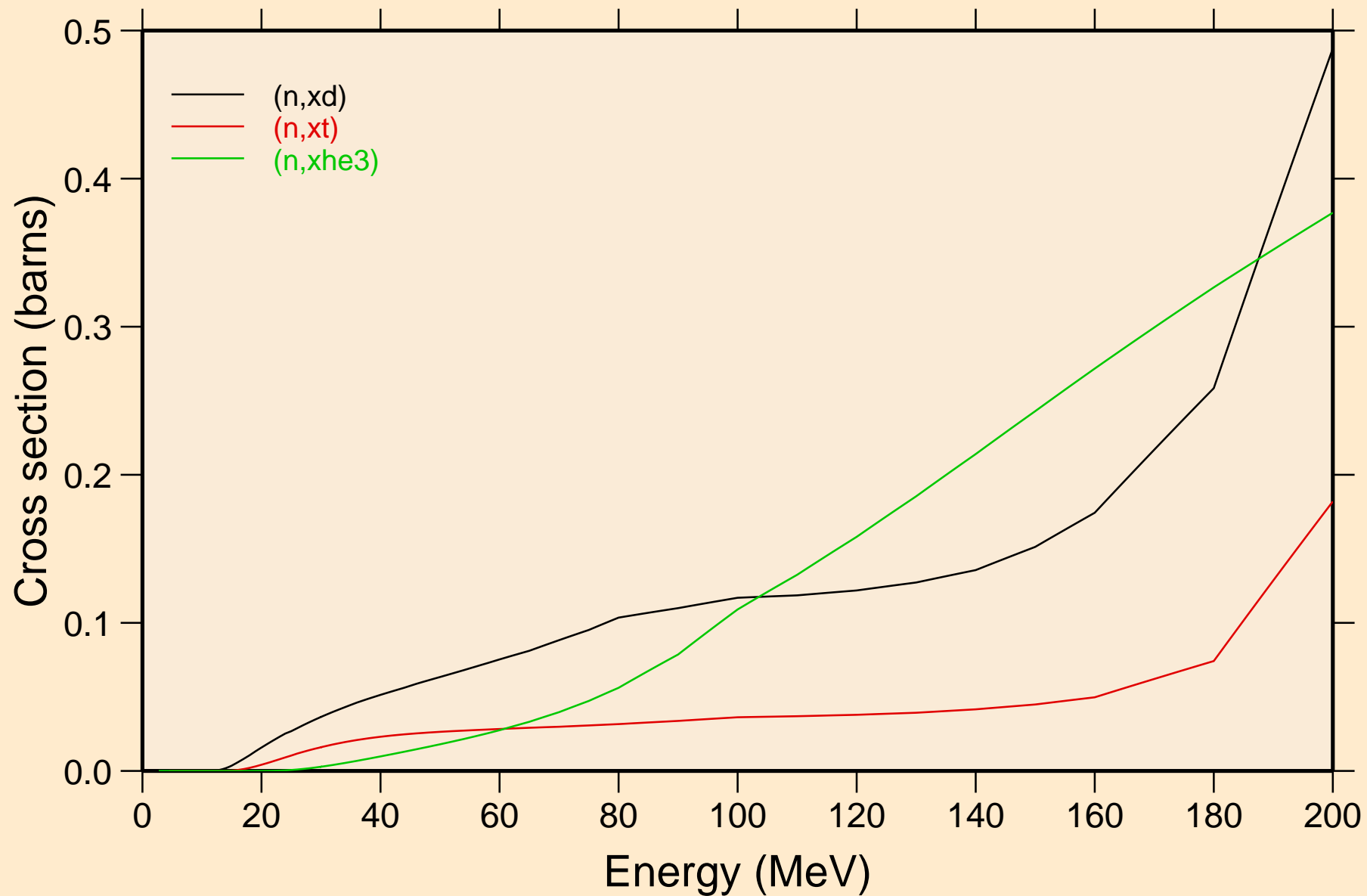


GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

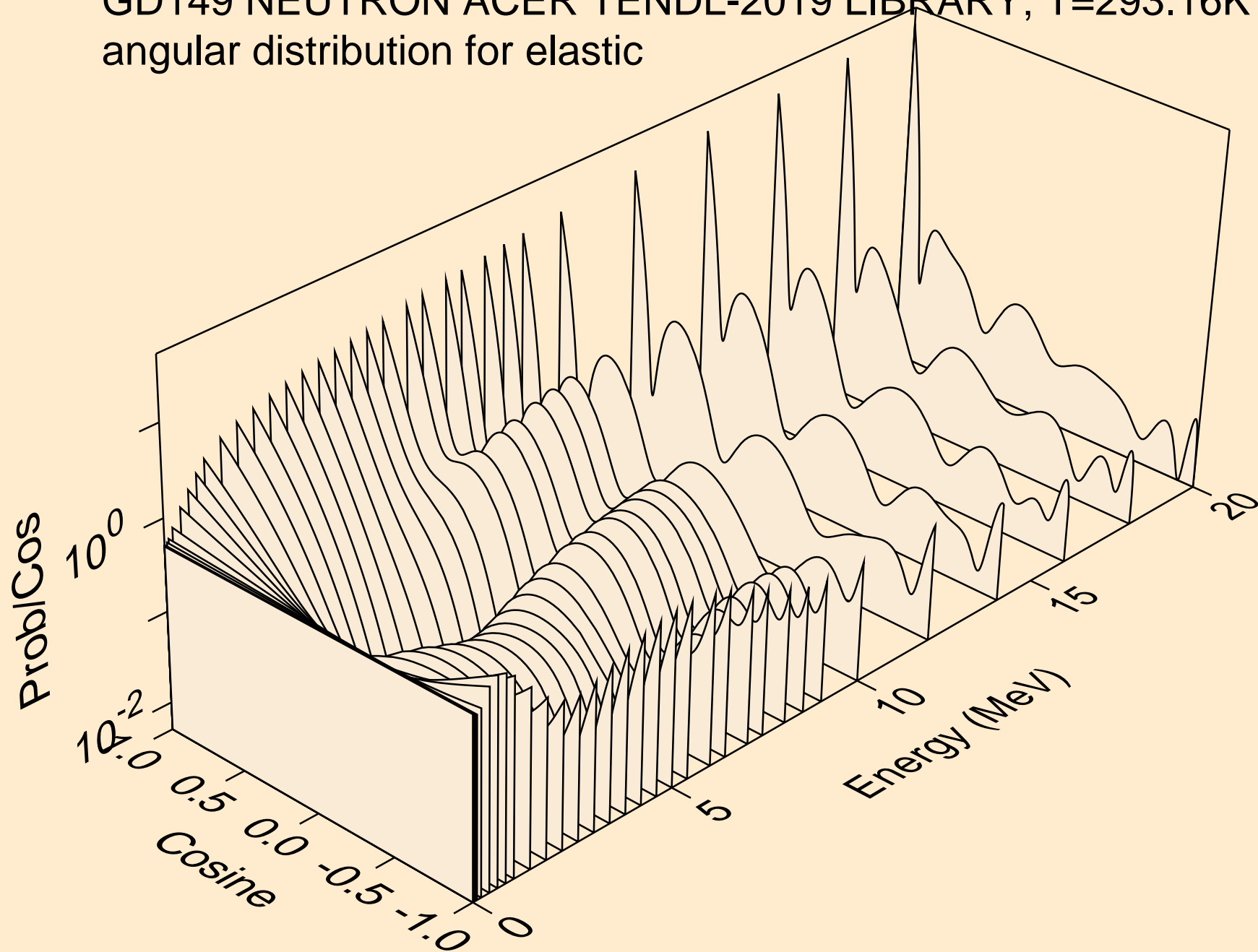




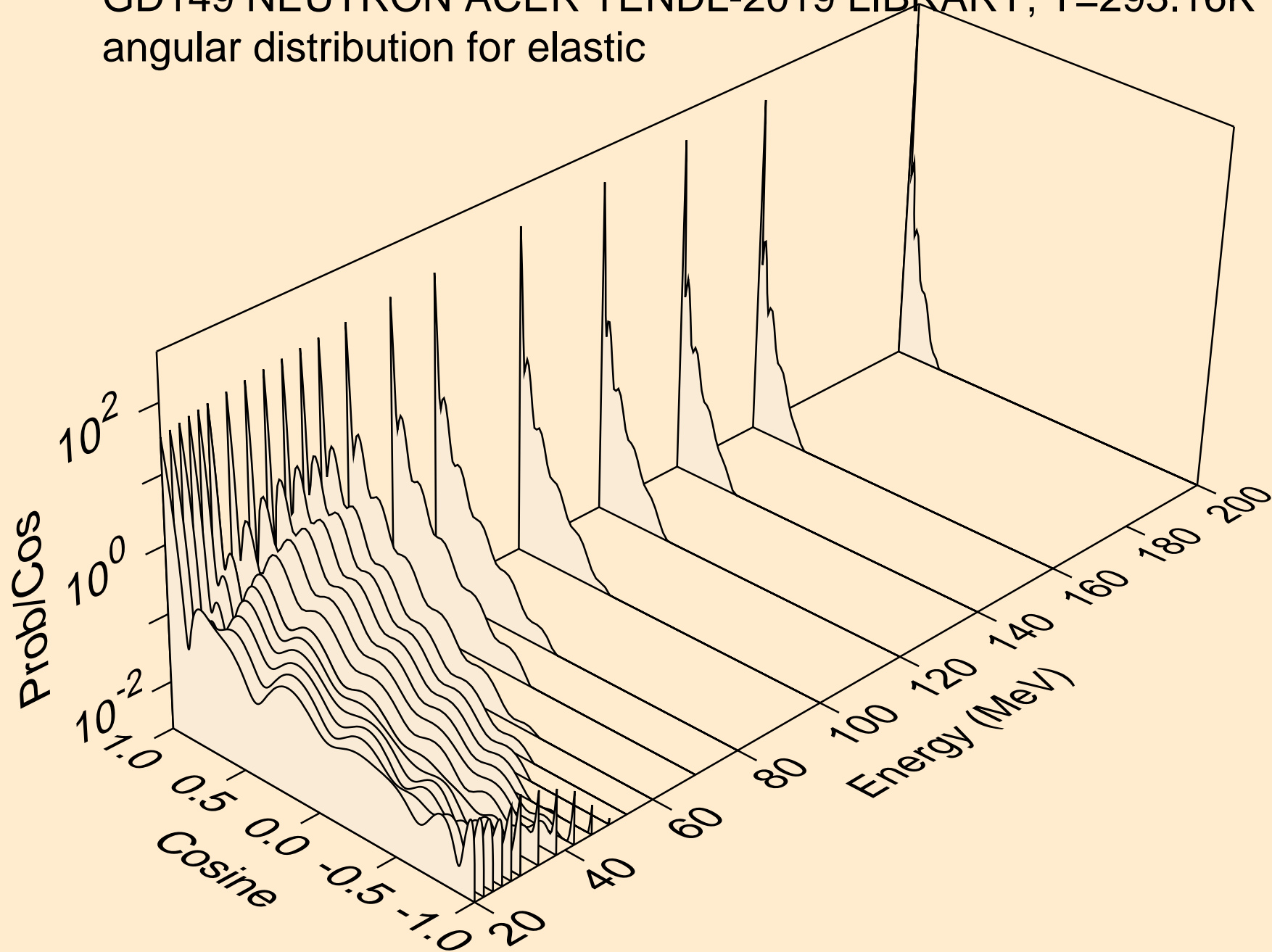
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



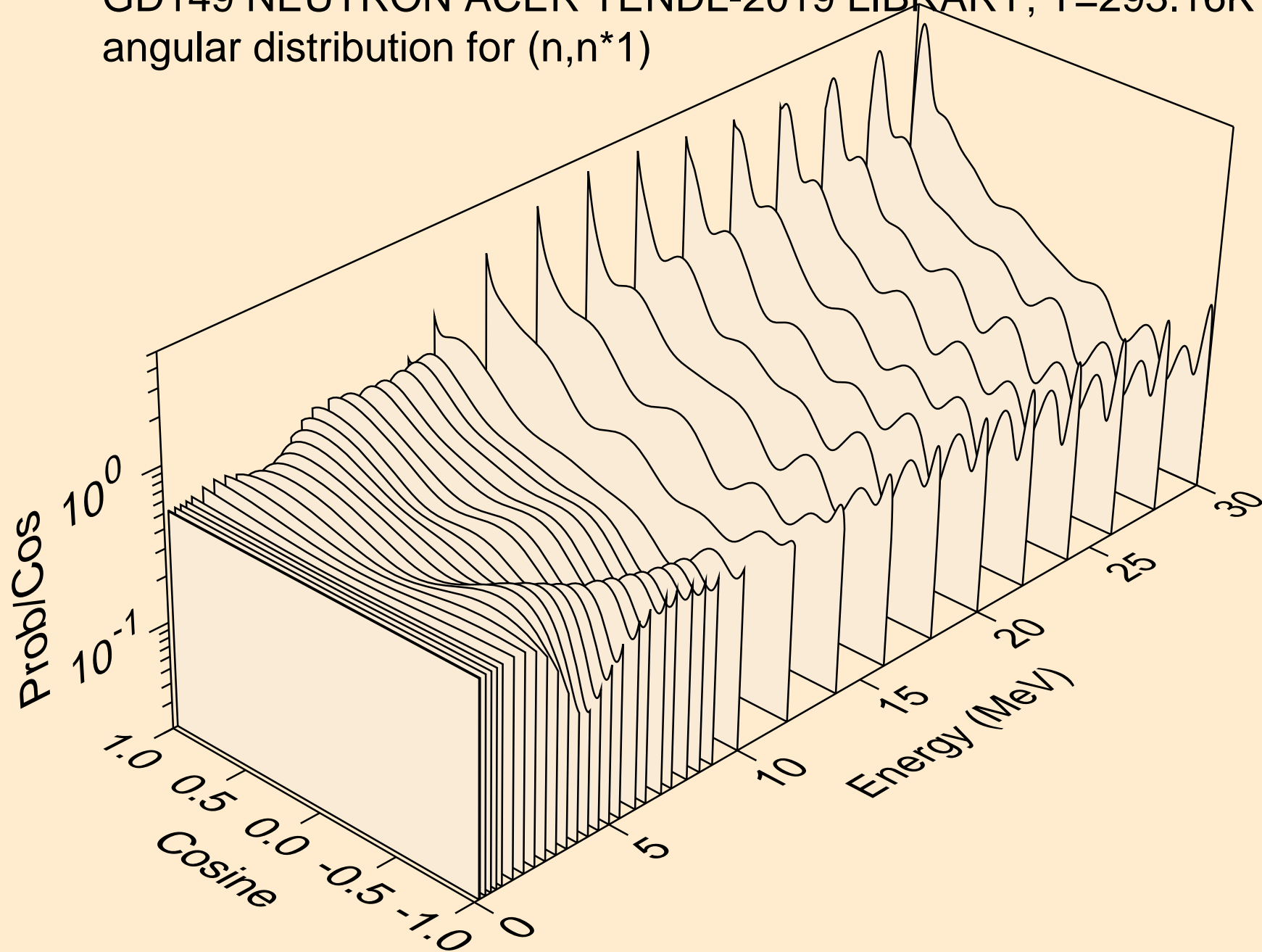
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



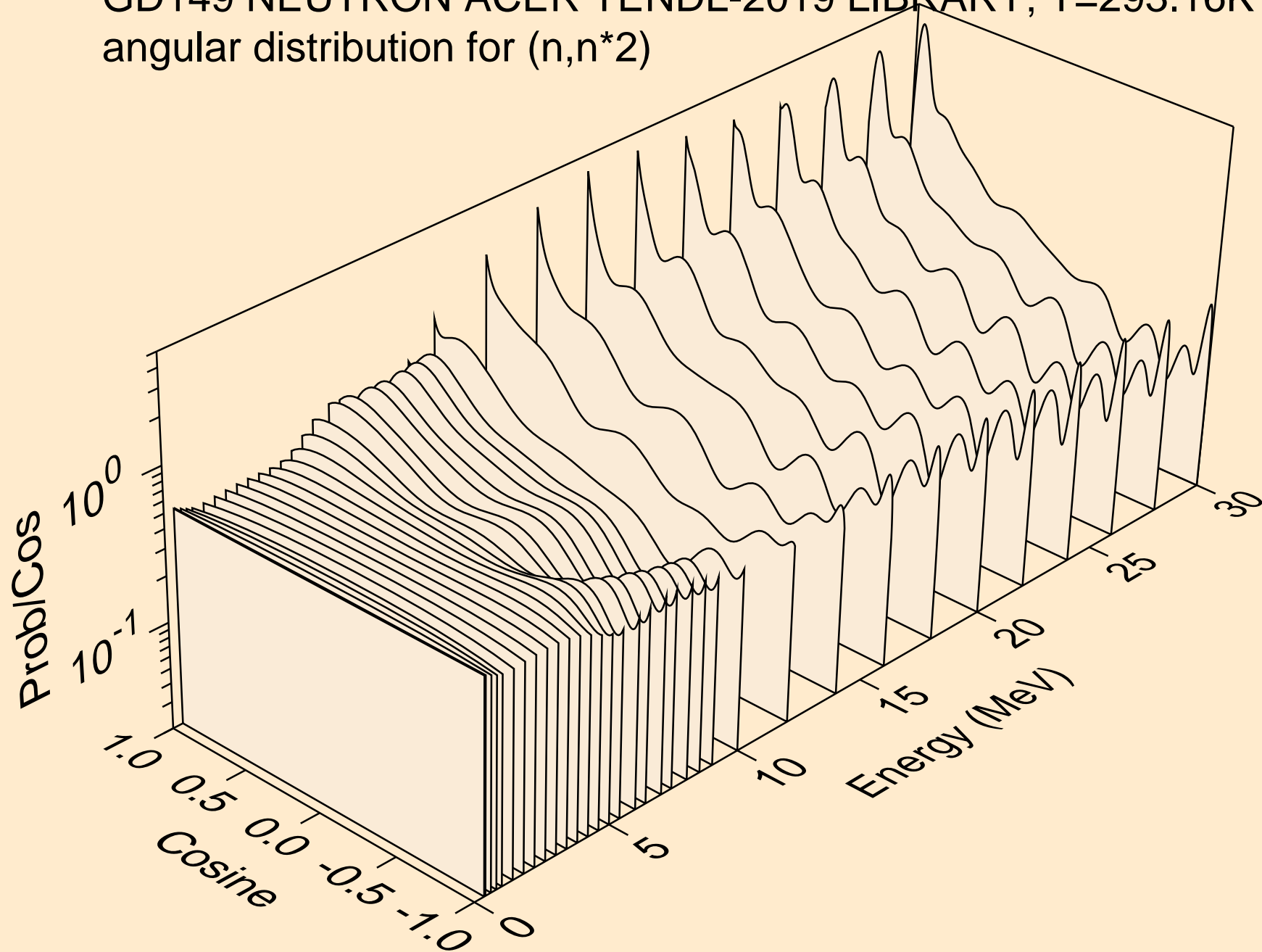
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



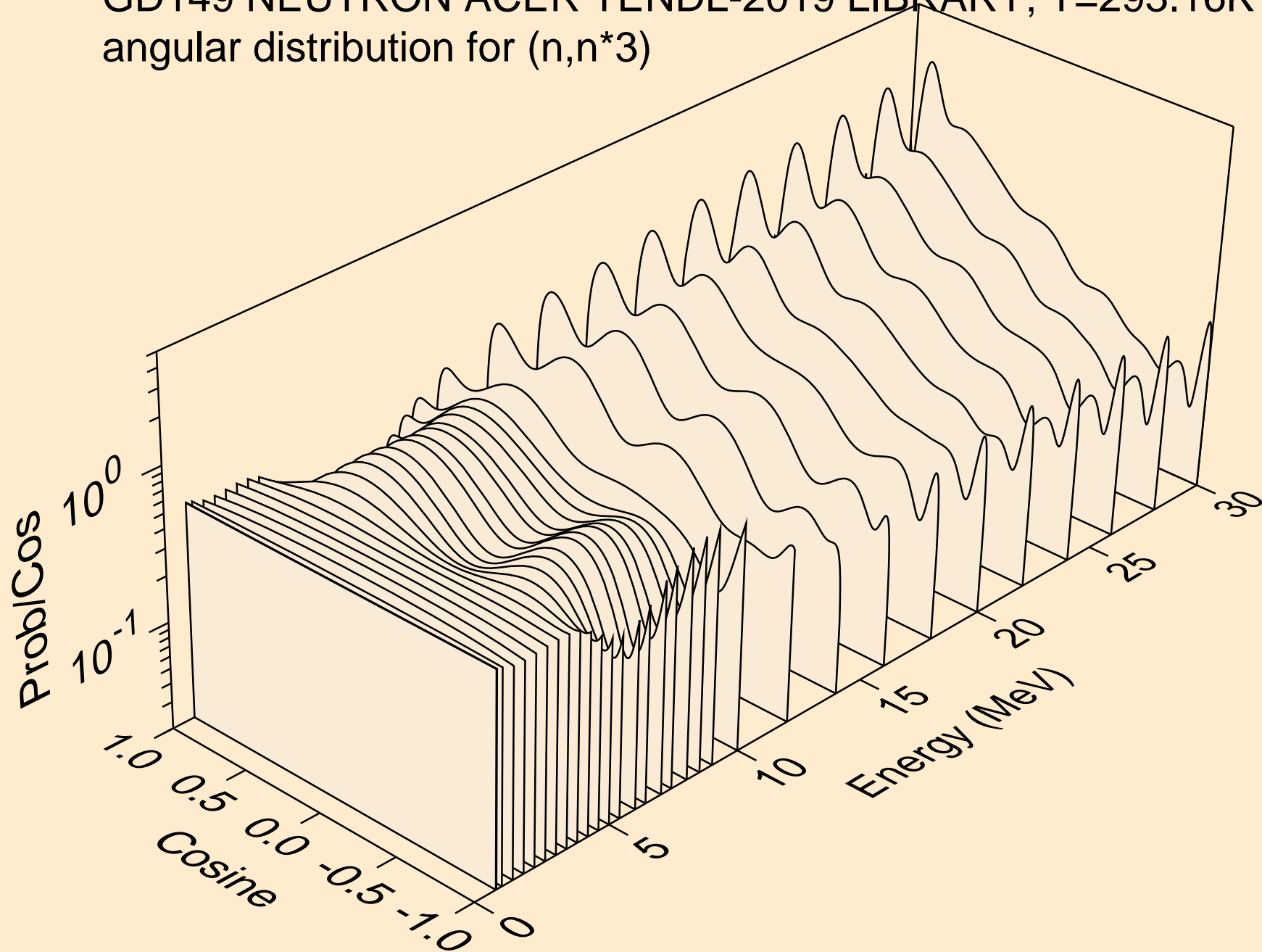
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)



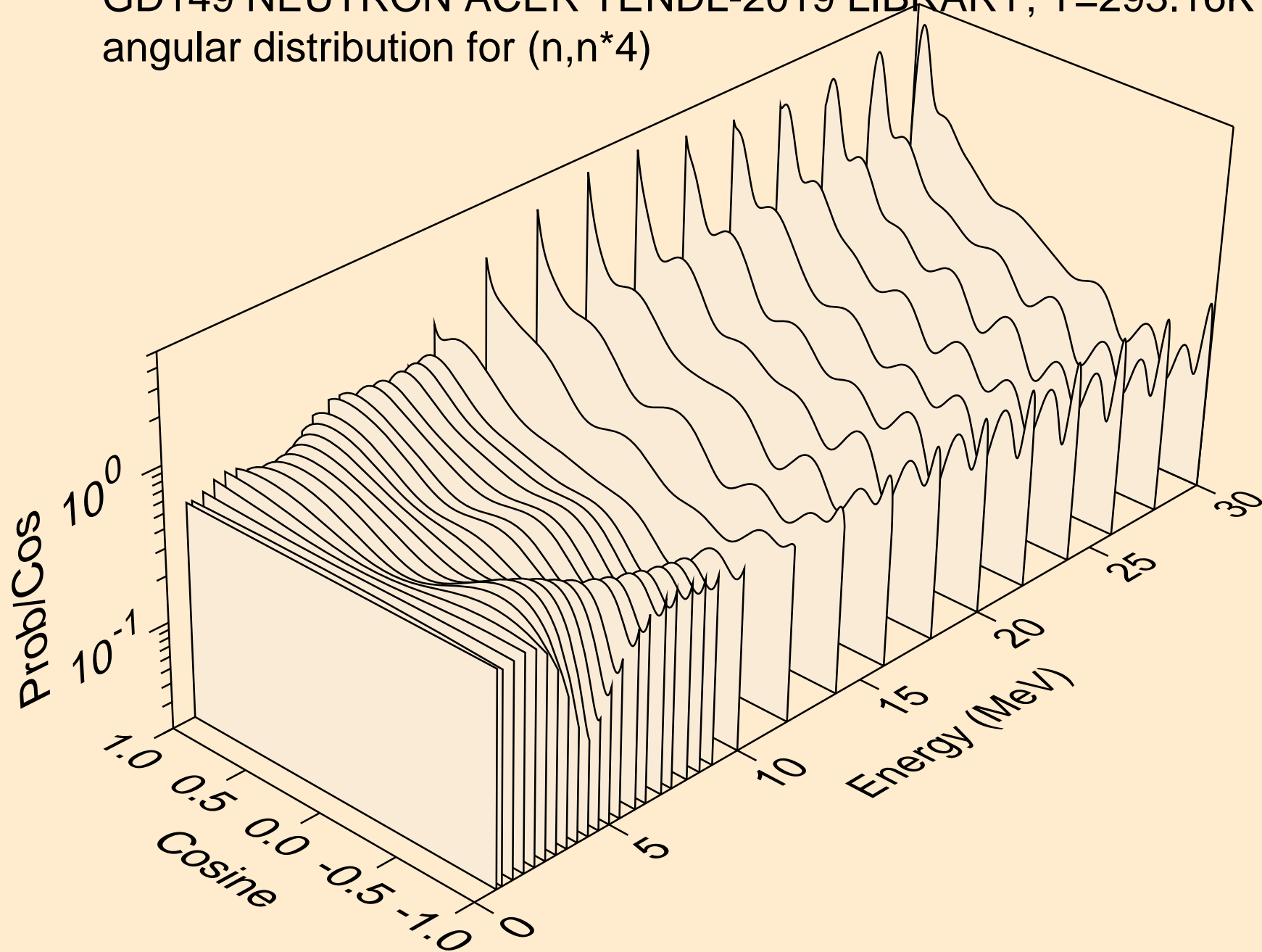
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)



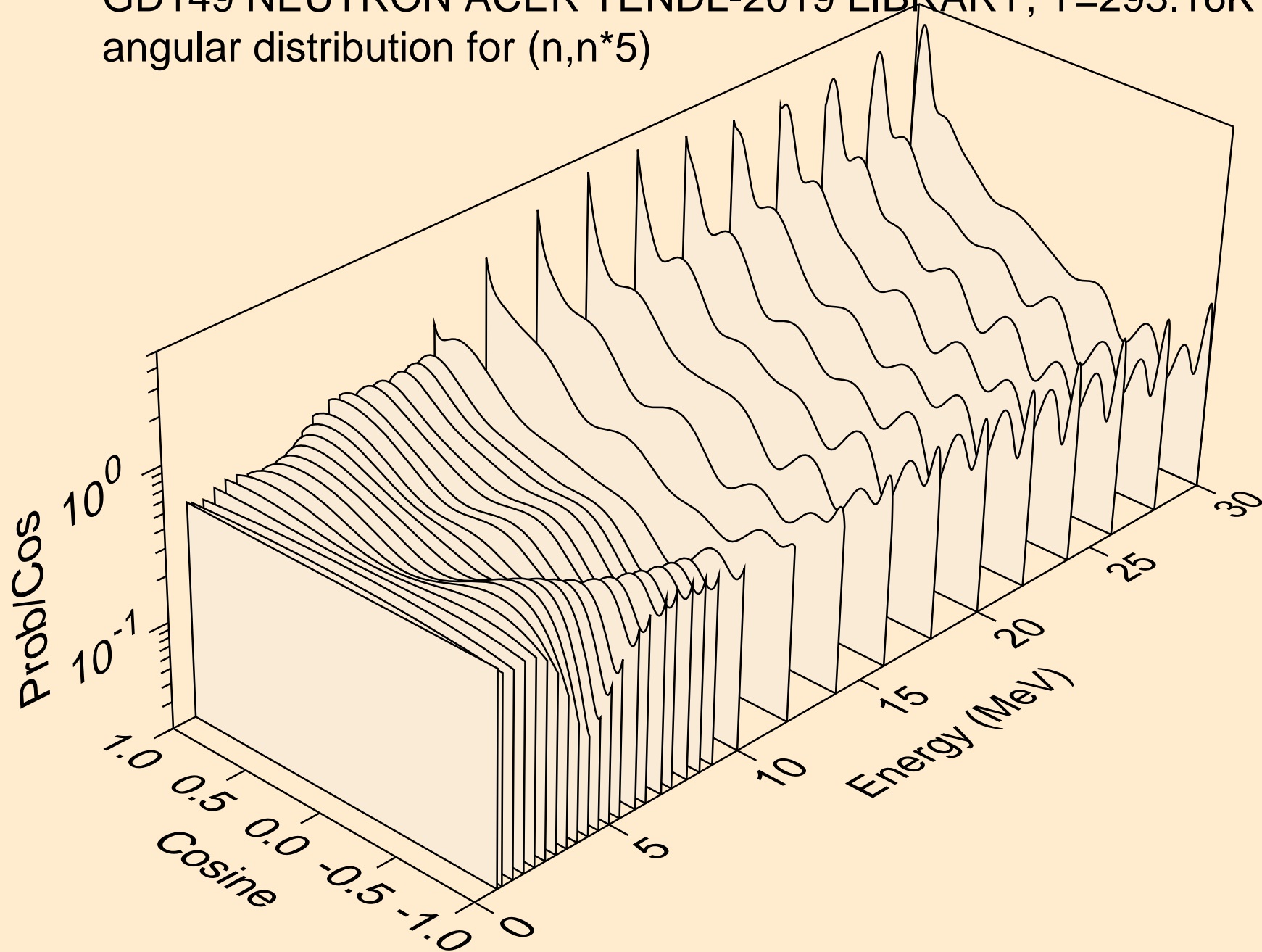
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*3)



GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*4)

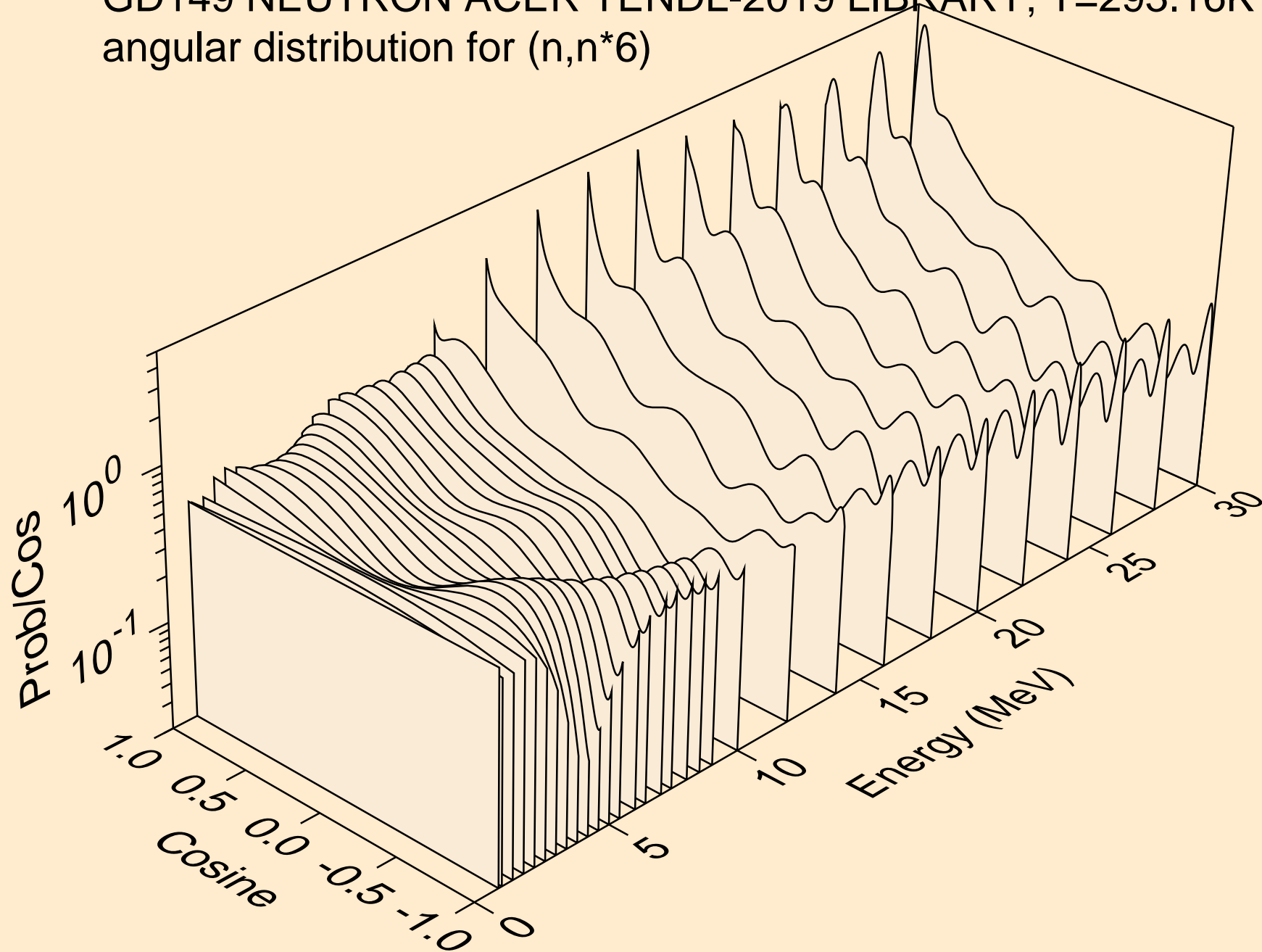


GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*5)

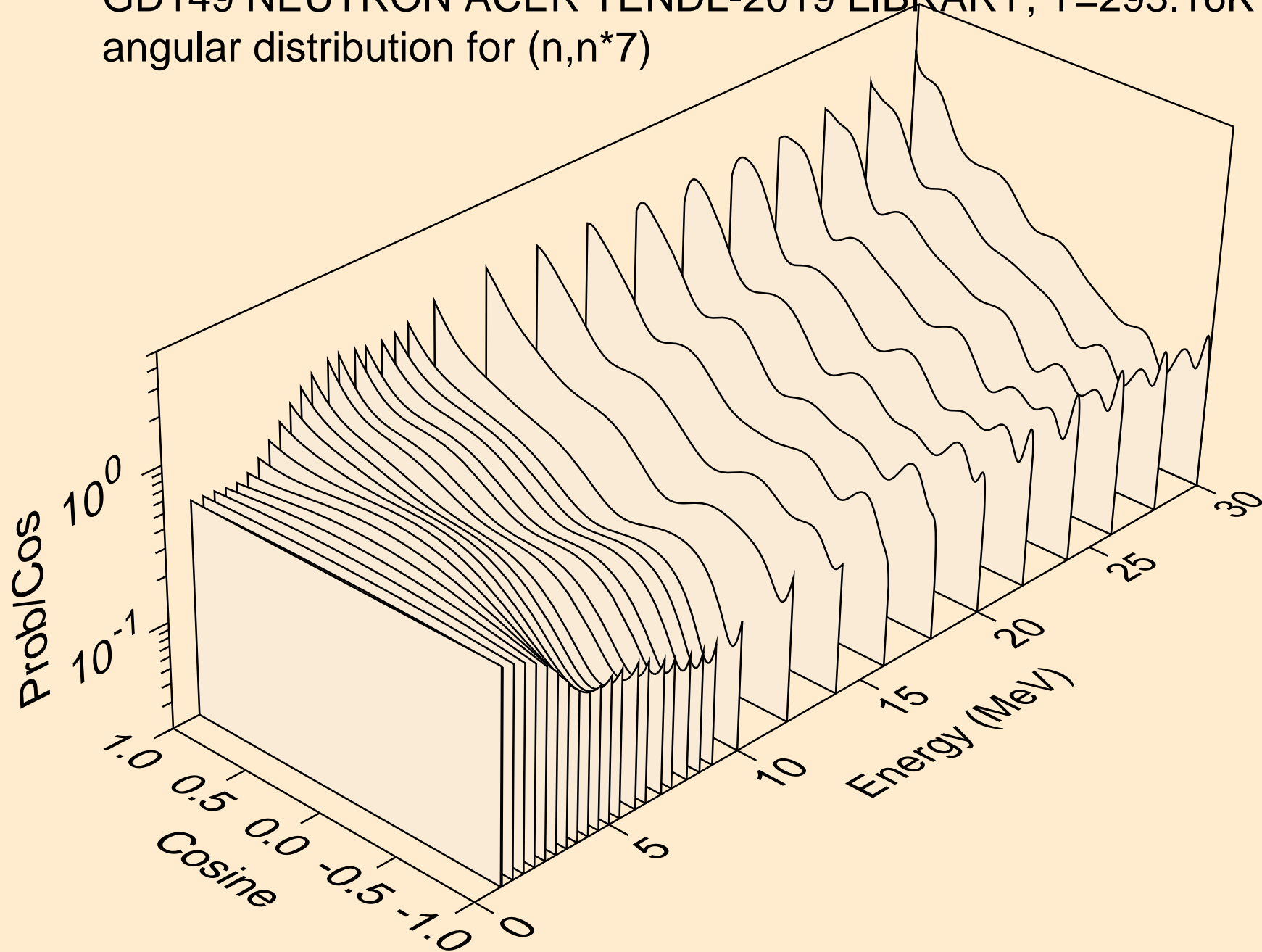




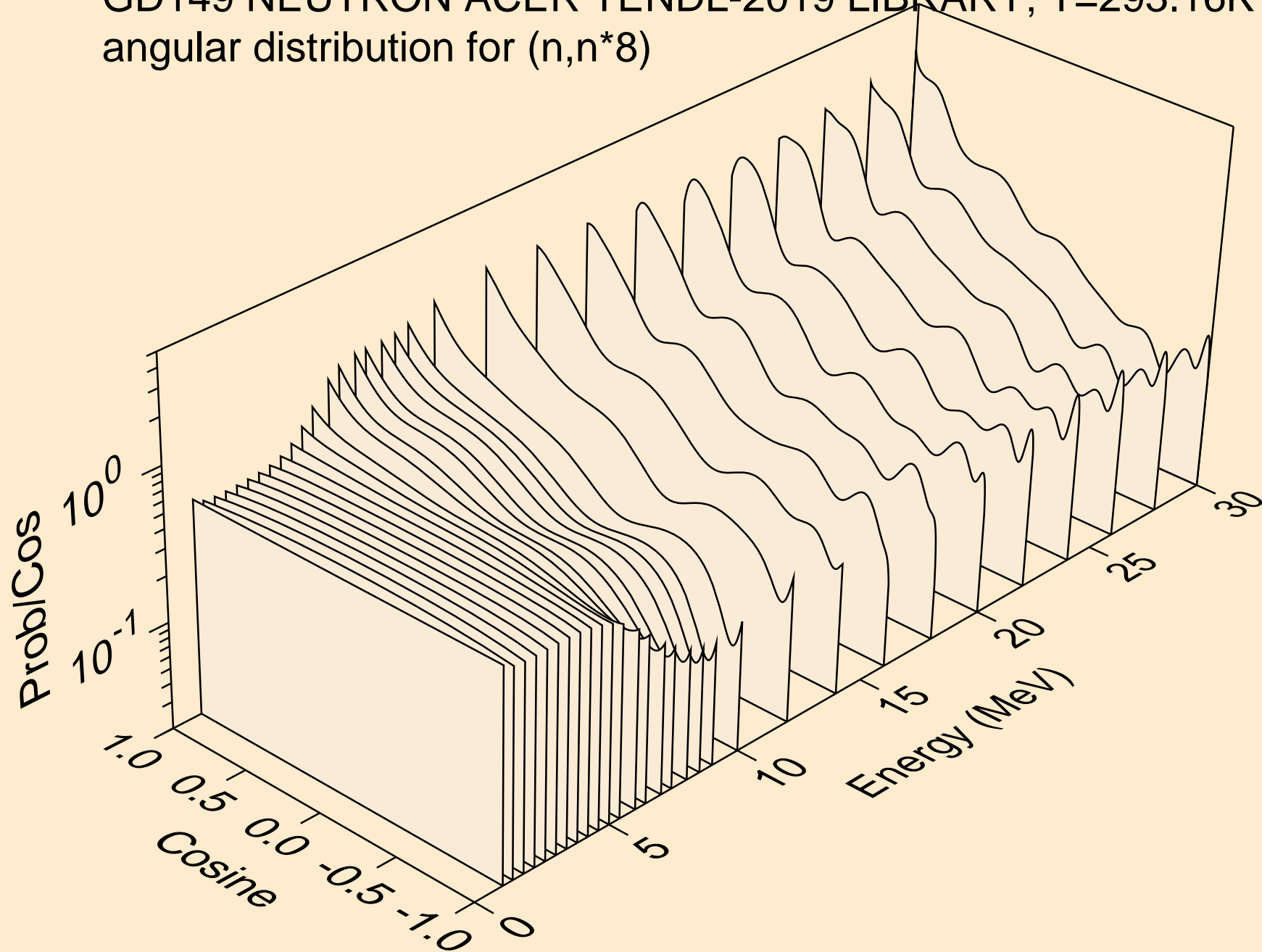
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*6)



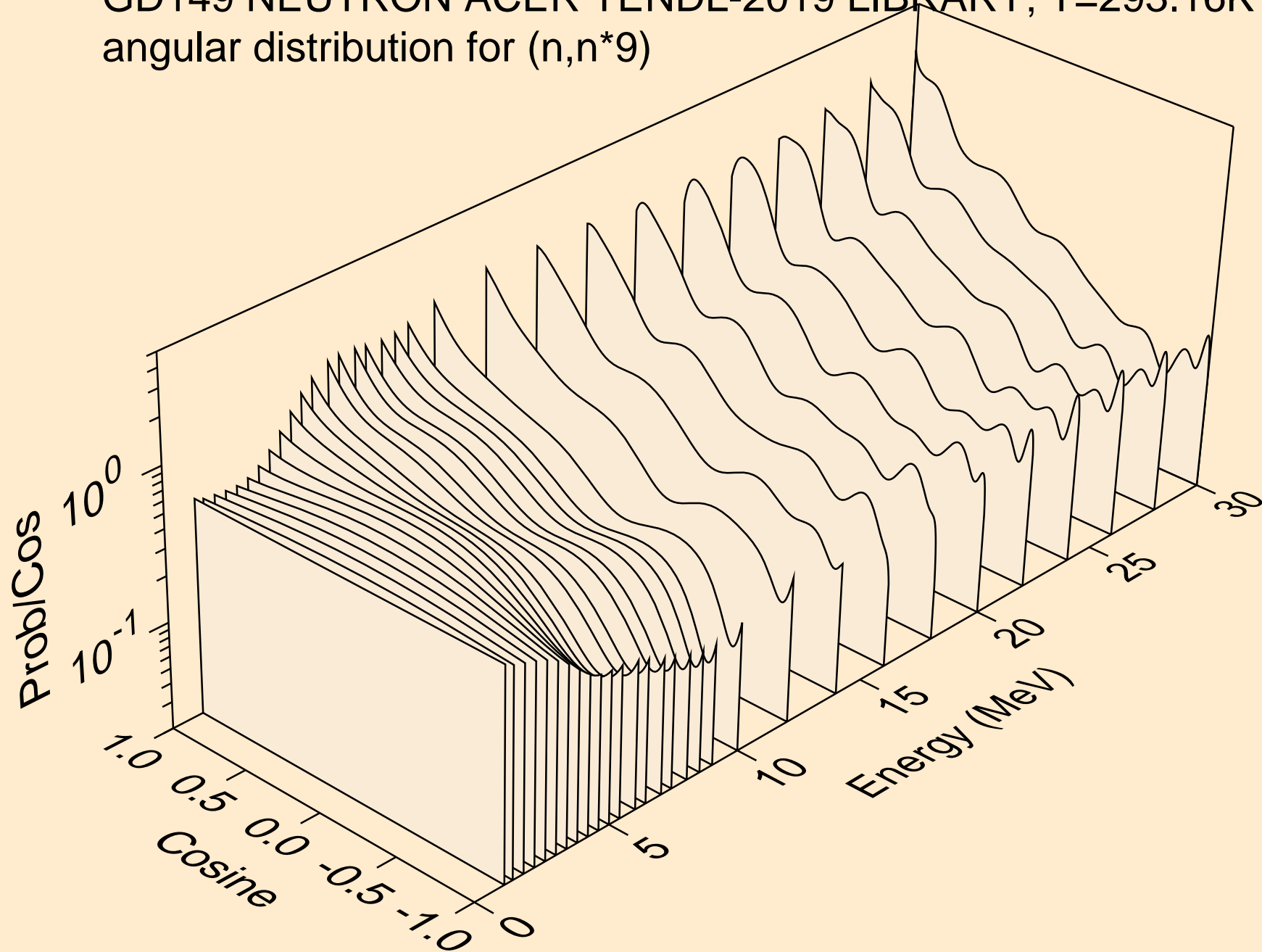
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)



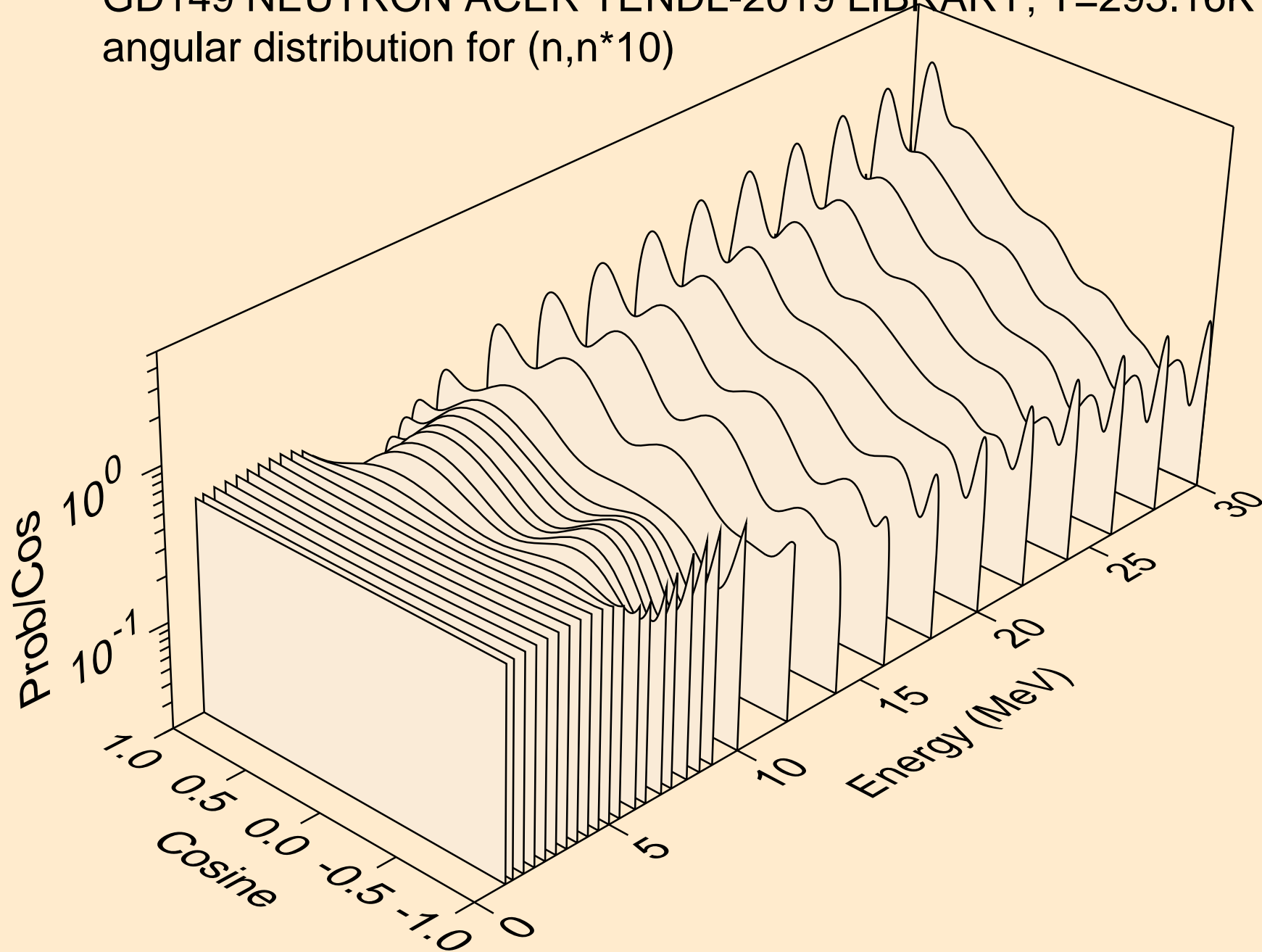
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)



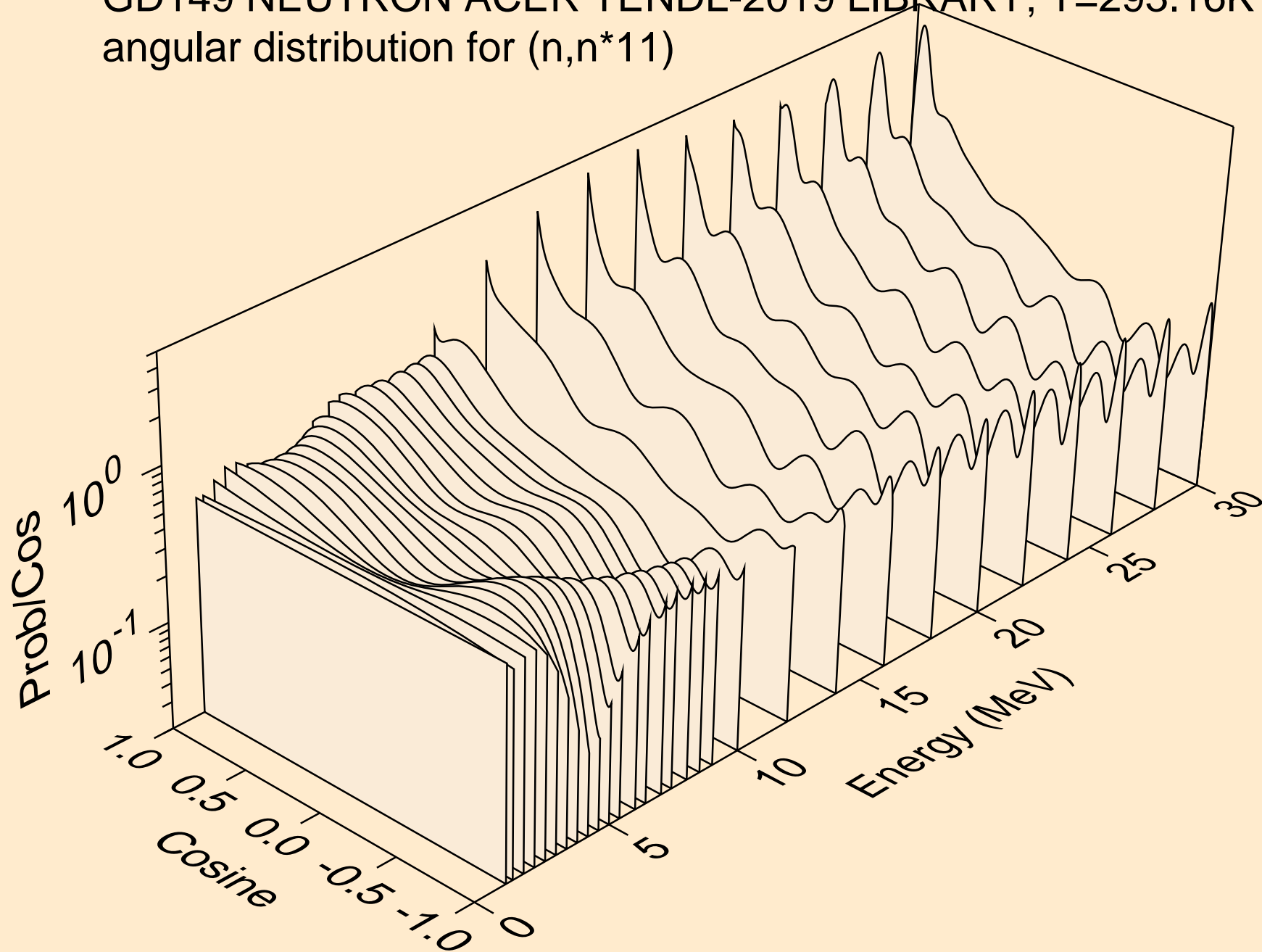
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)



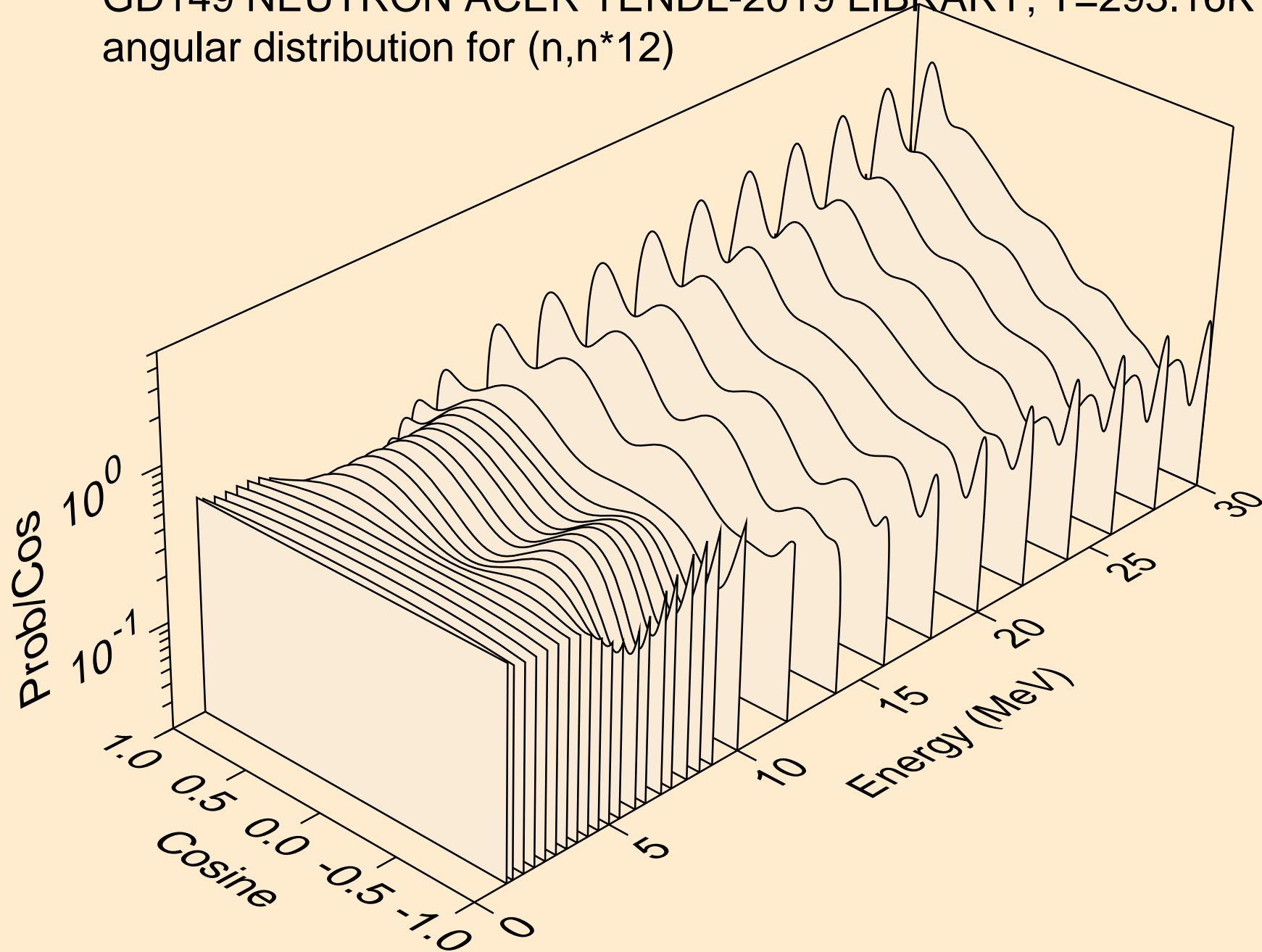
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*10)



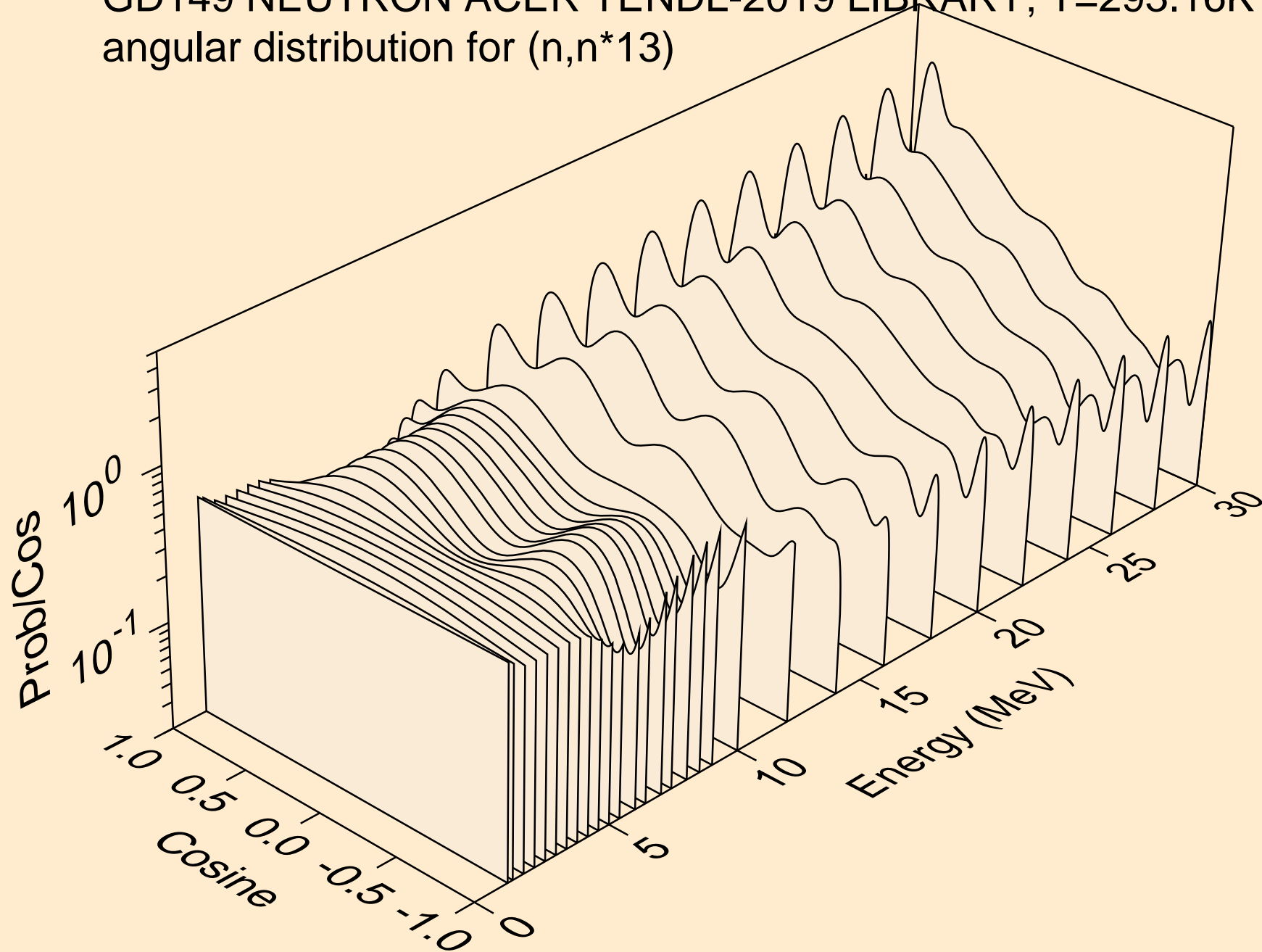
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*11)



GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*12)

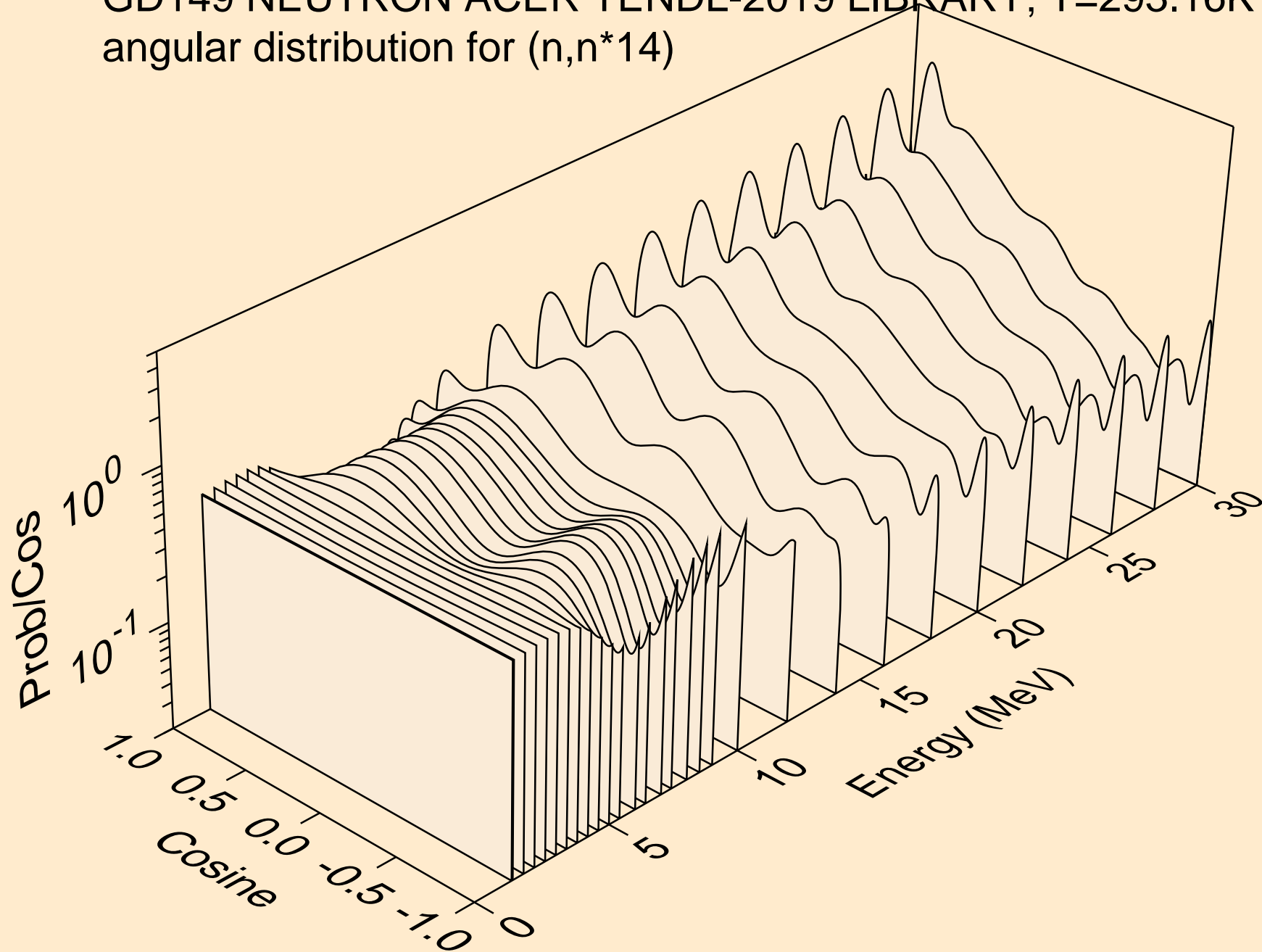


GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*13)

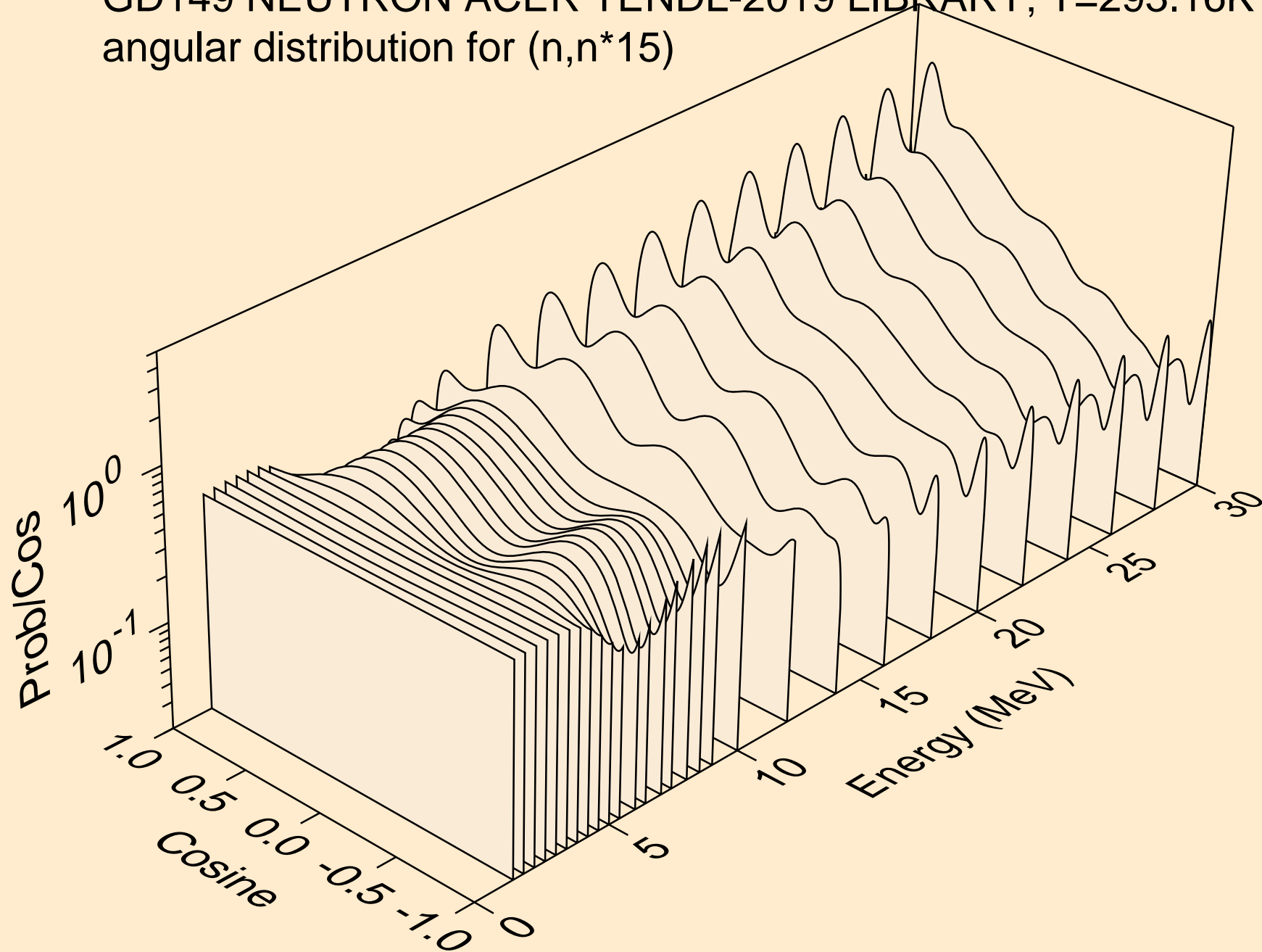




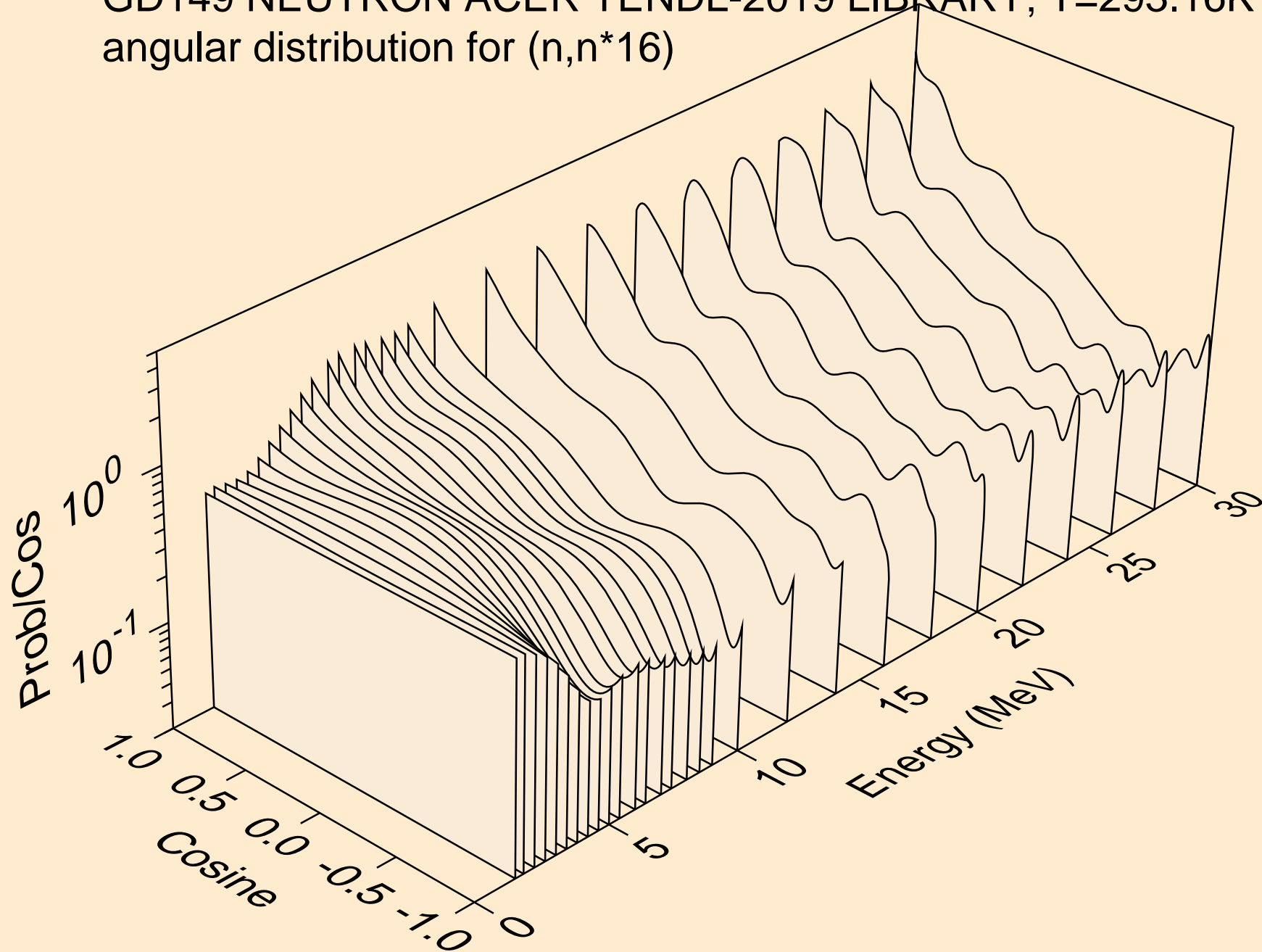
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*14)



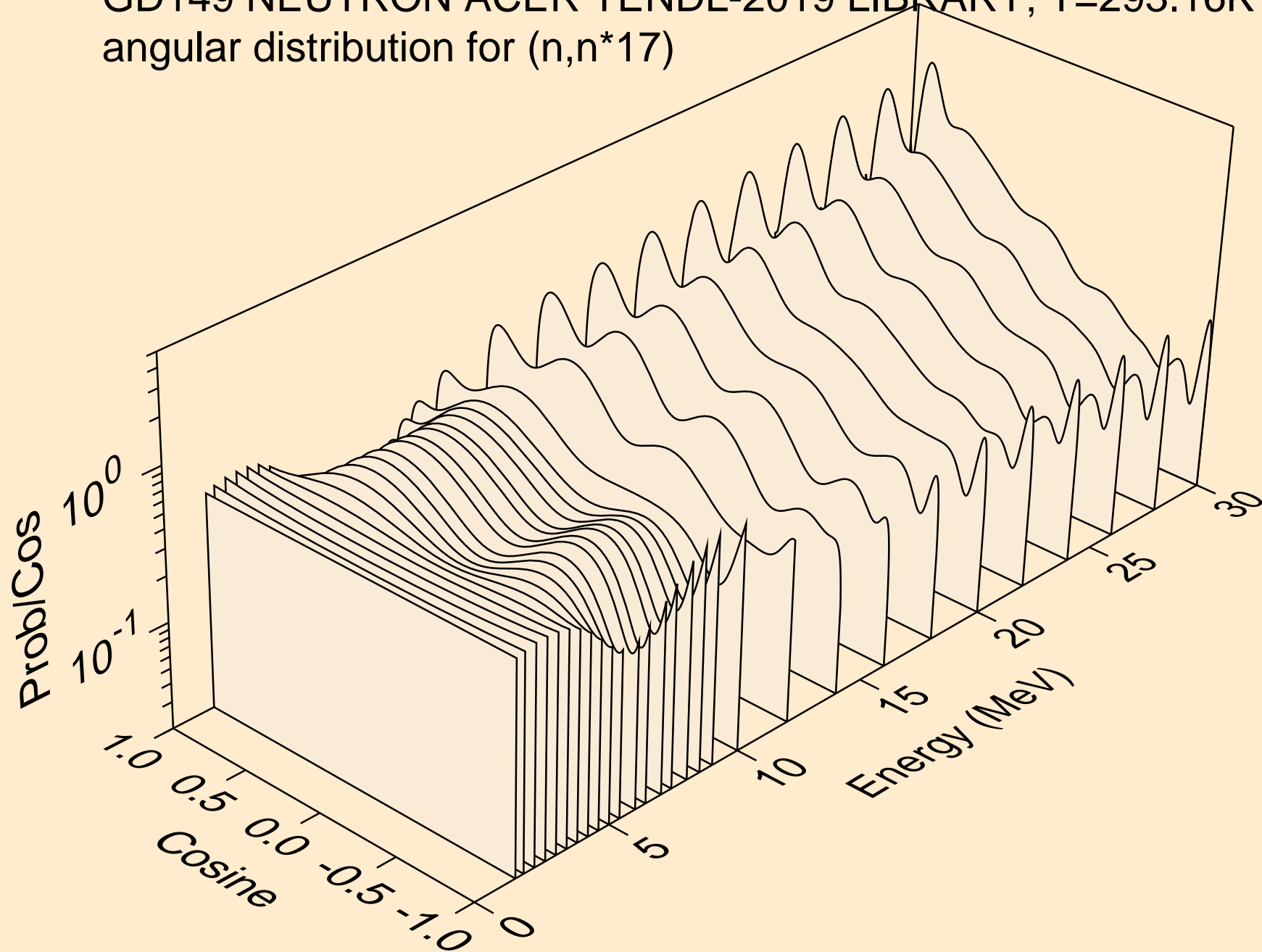
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*15)



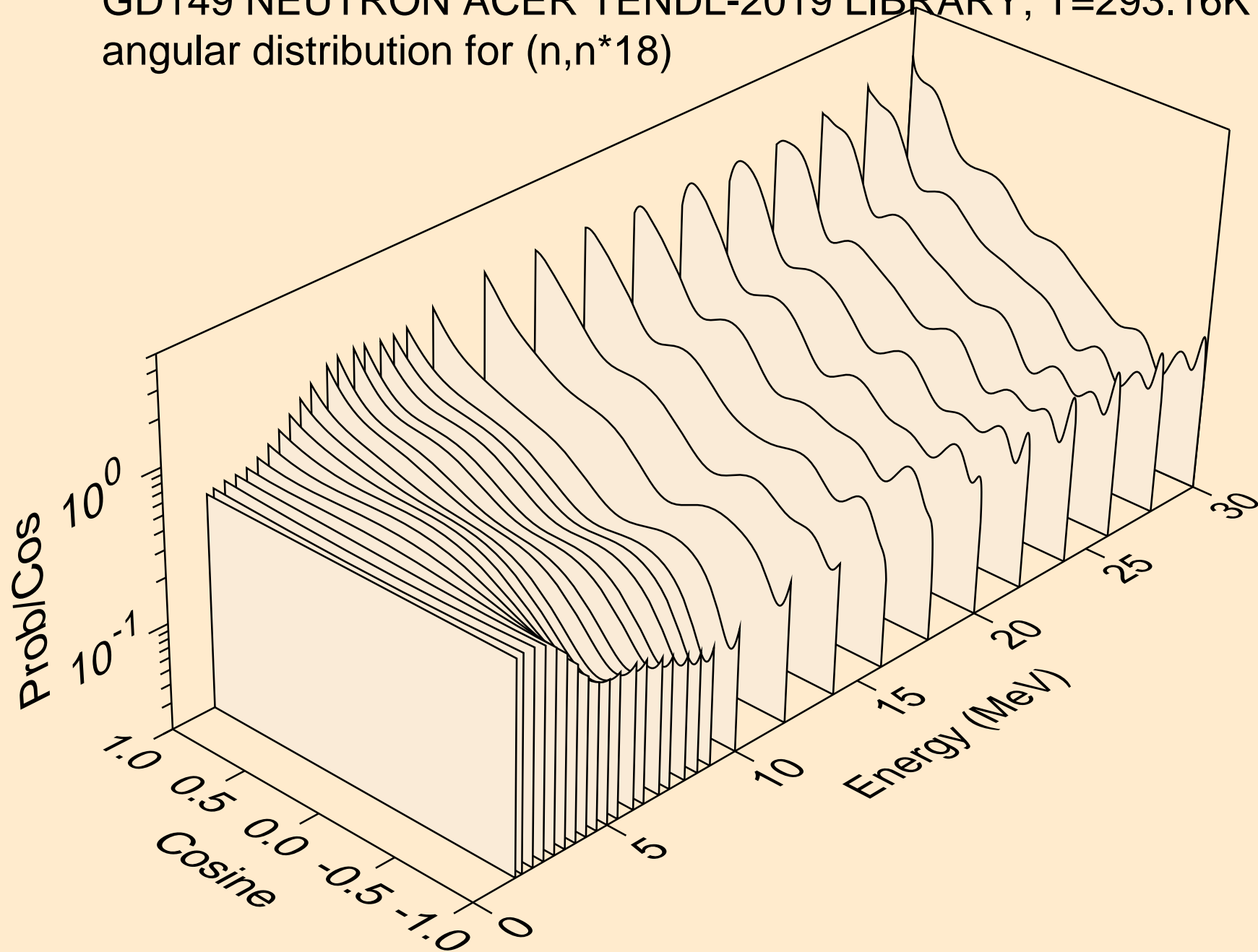
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*16)



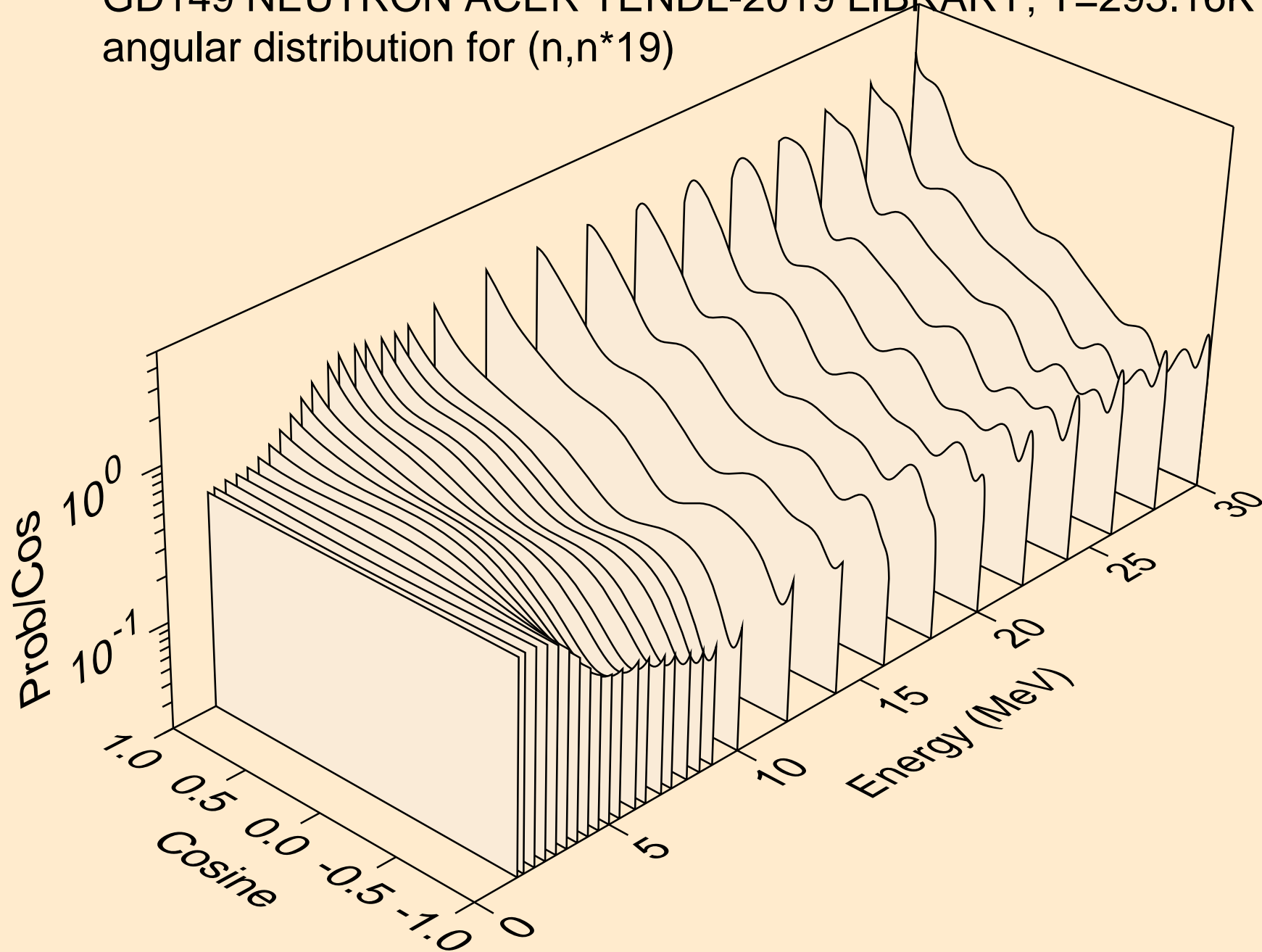
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*17)



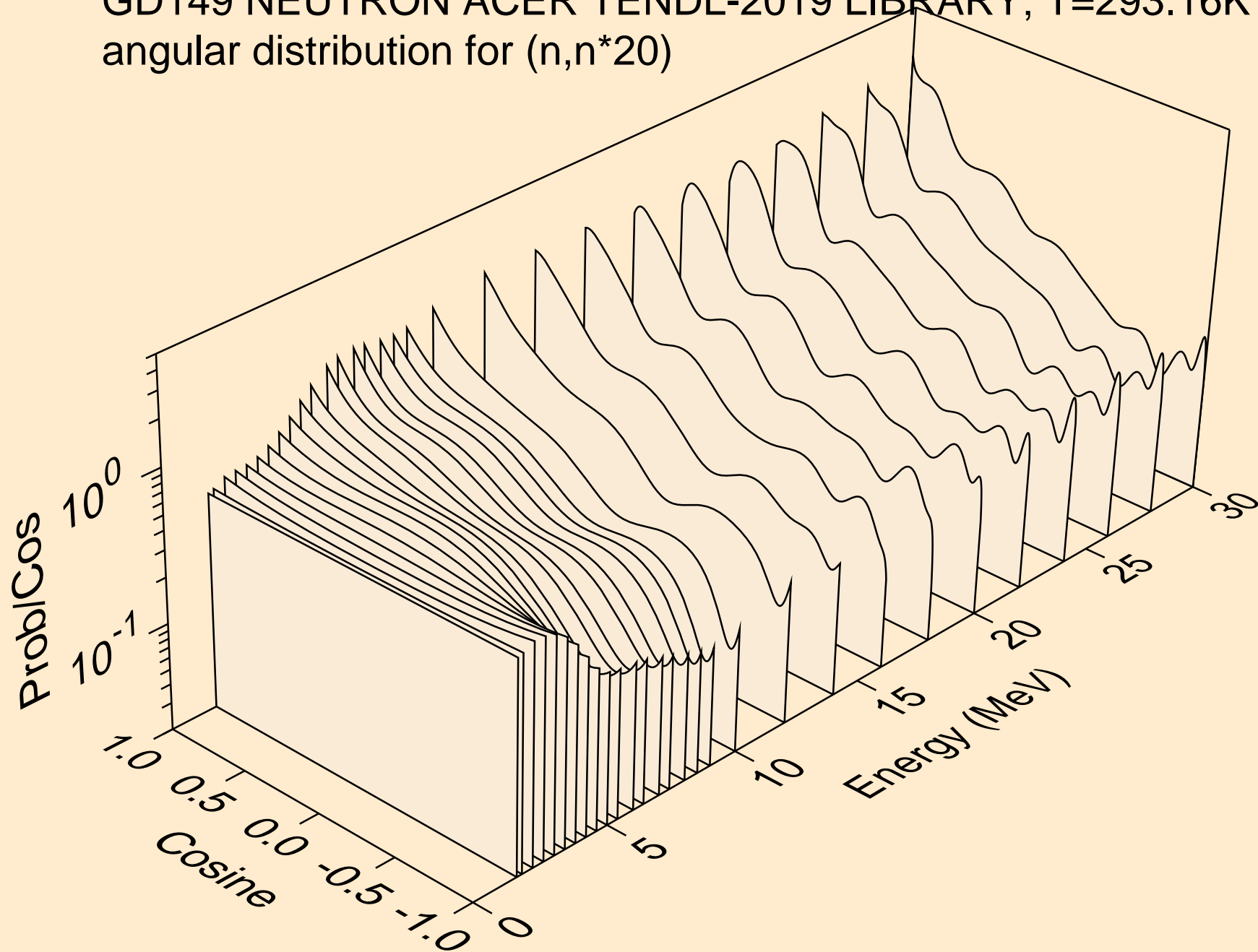
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*18)



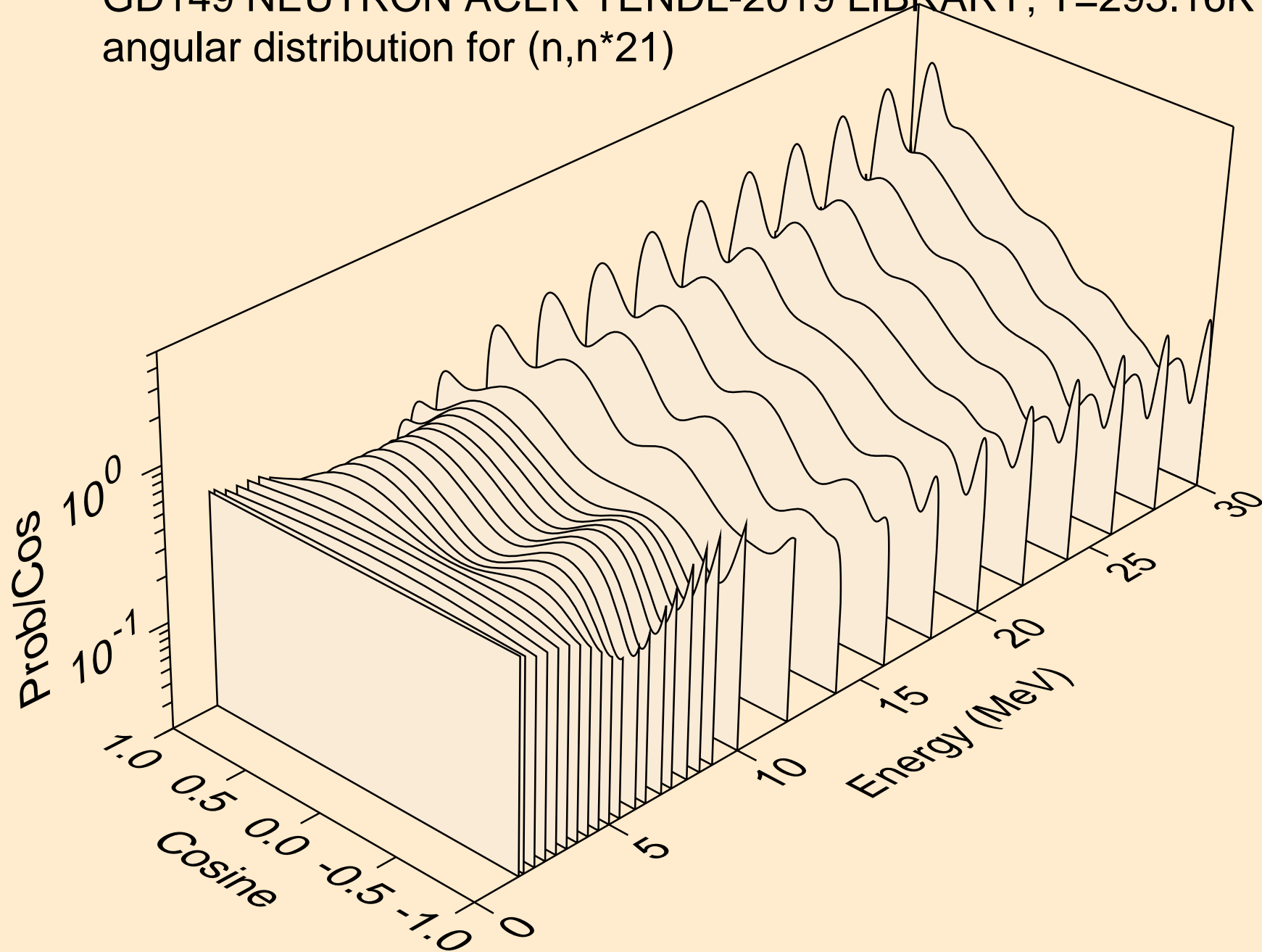
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*19)



GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*20)

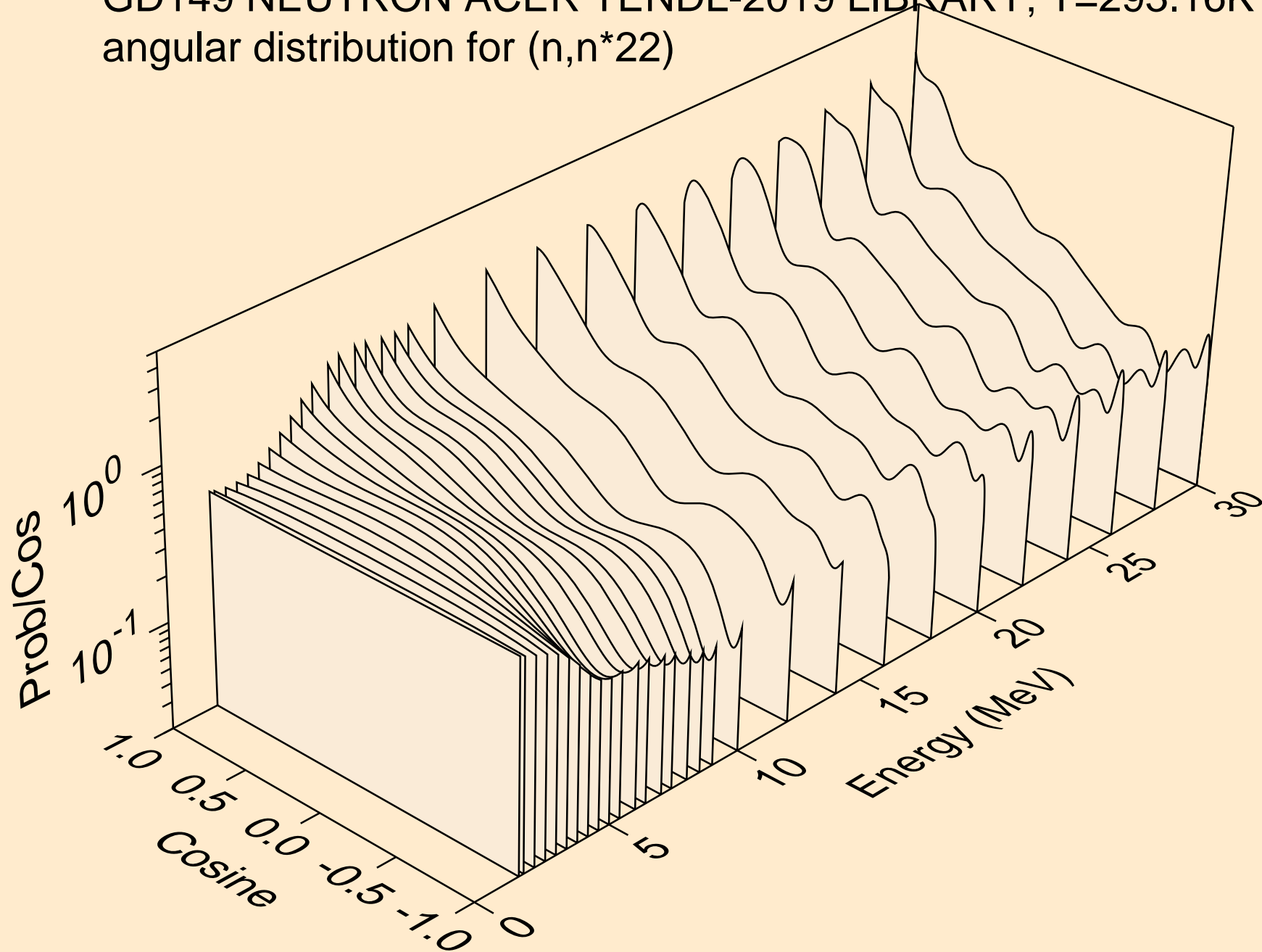


GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*21)

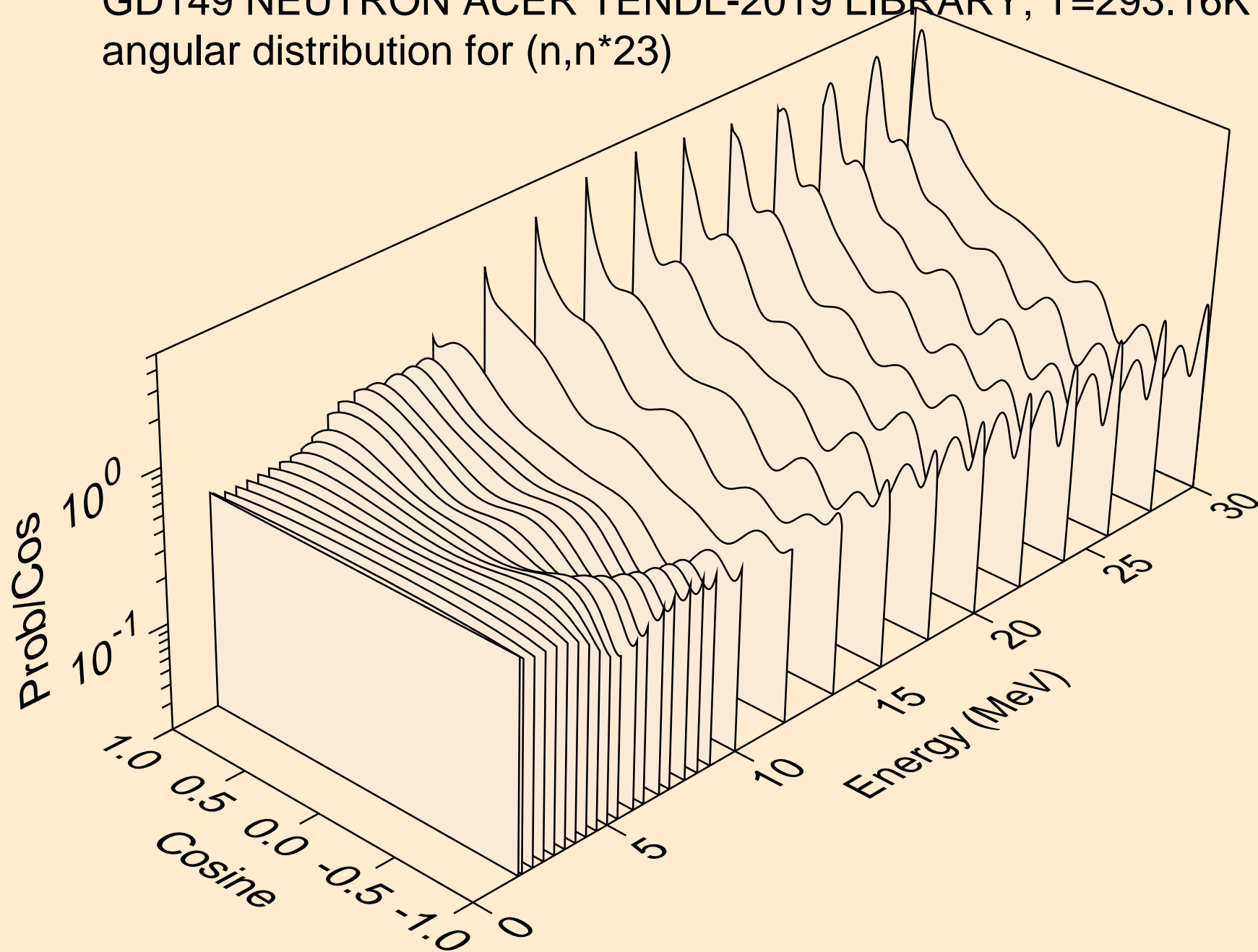




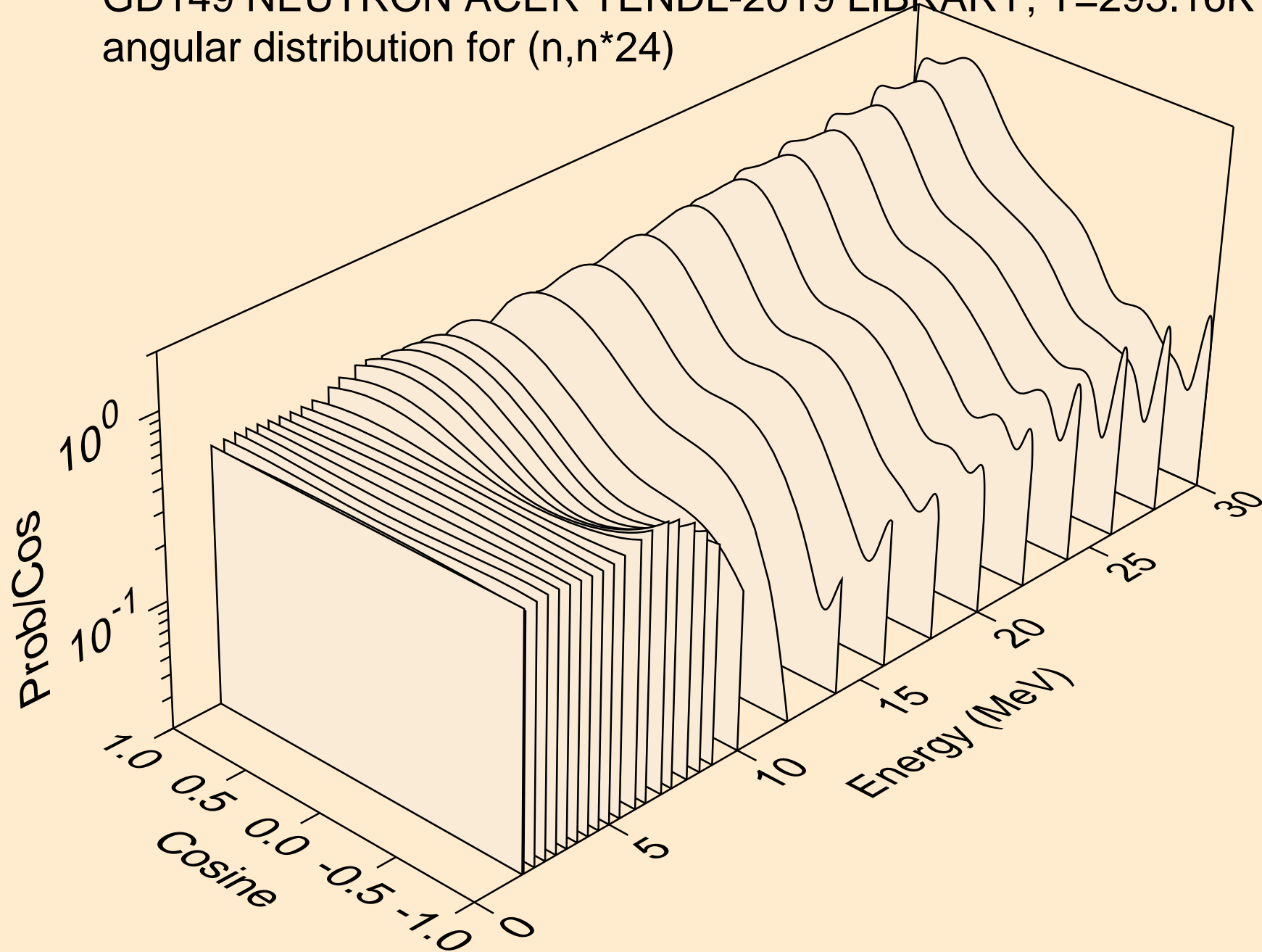
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*22)



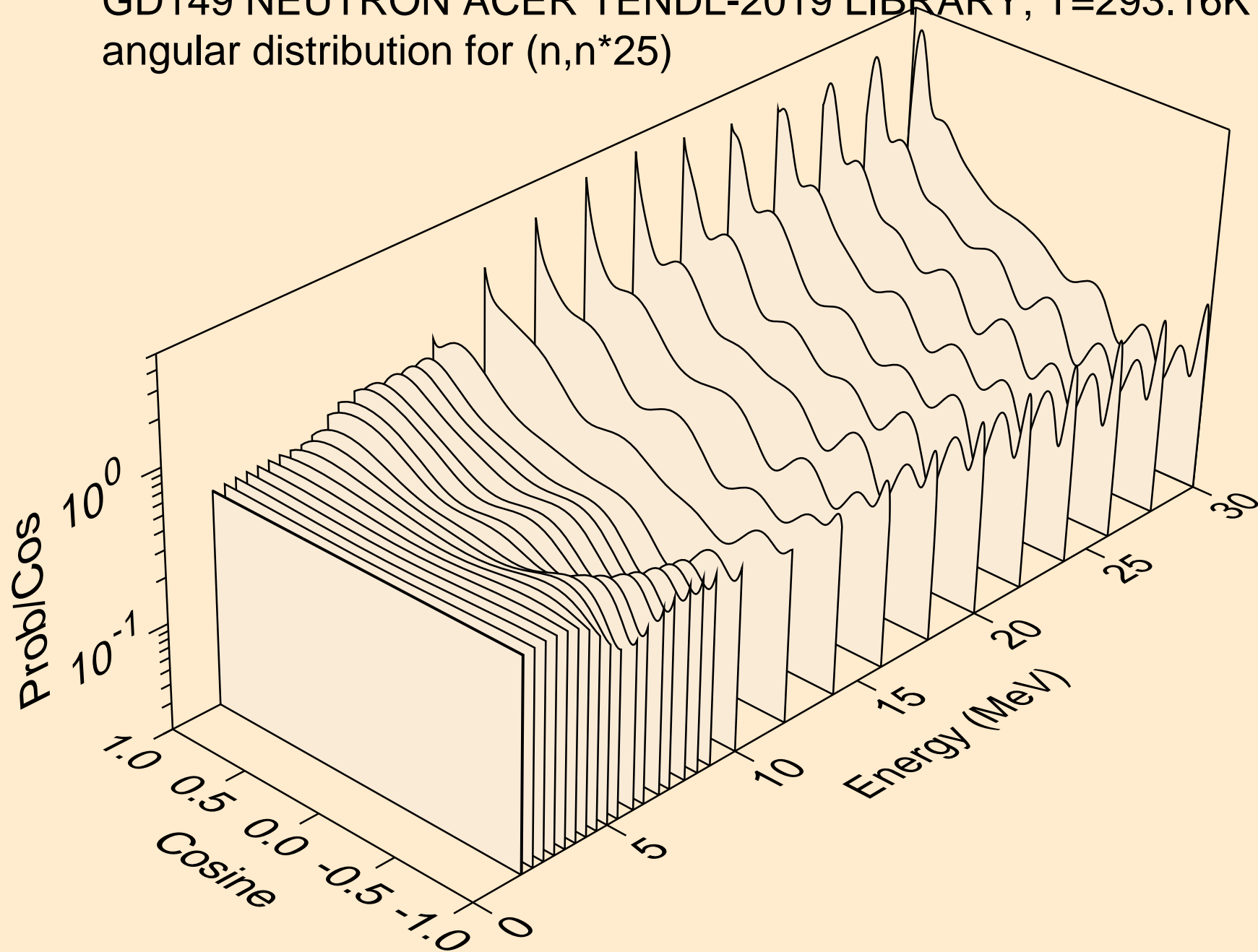
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*23)



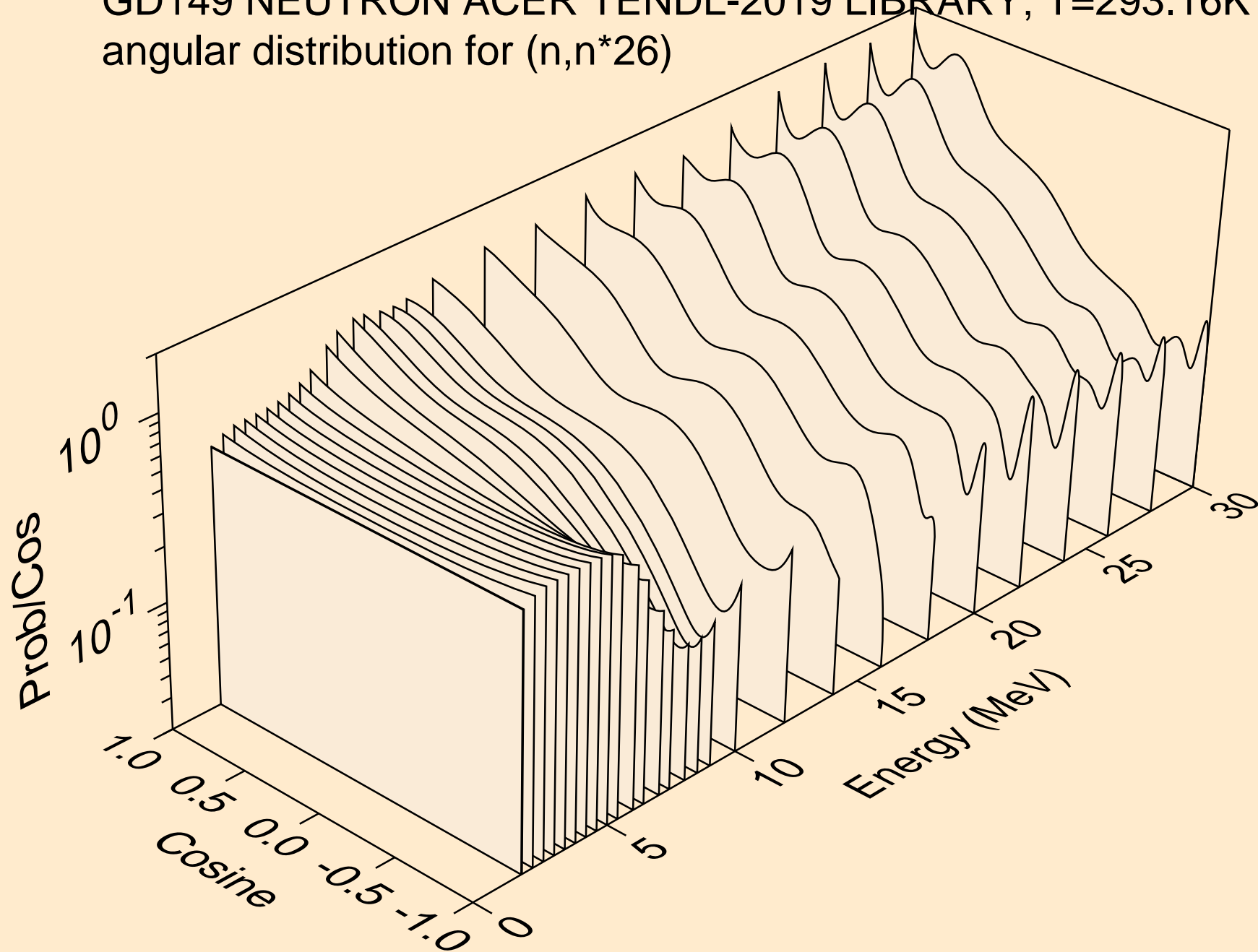
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*24)



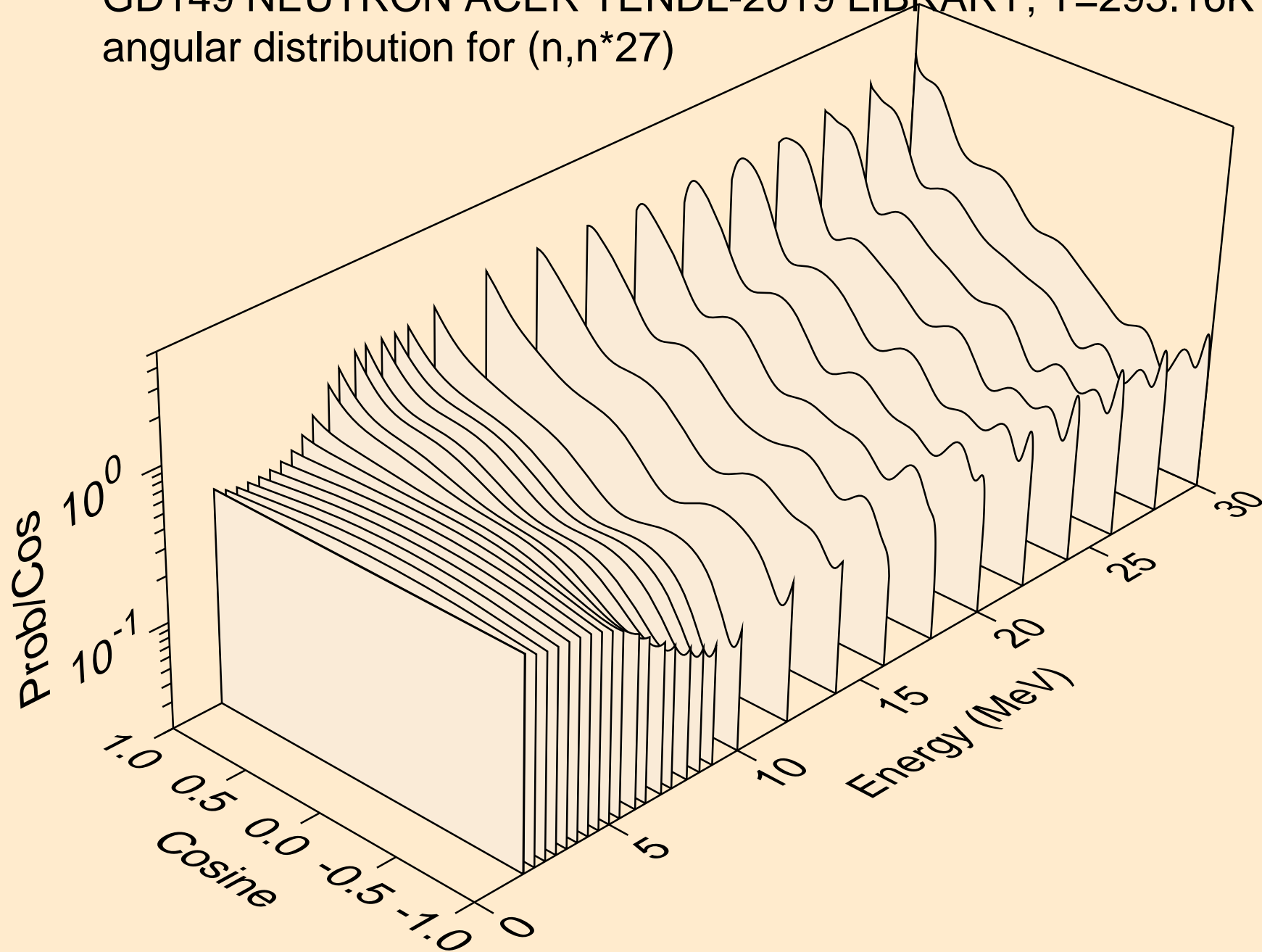
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*25)



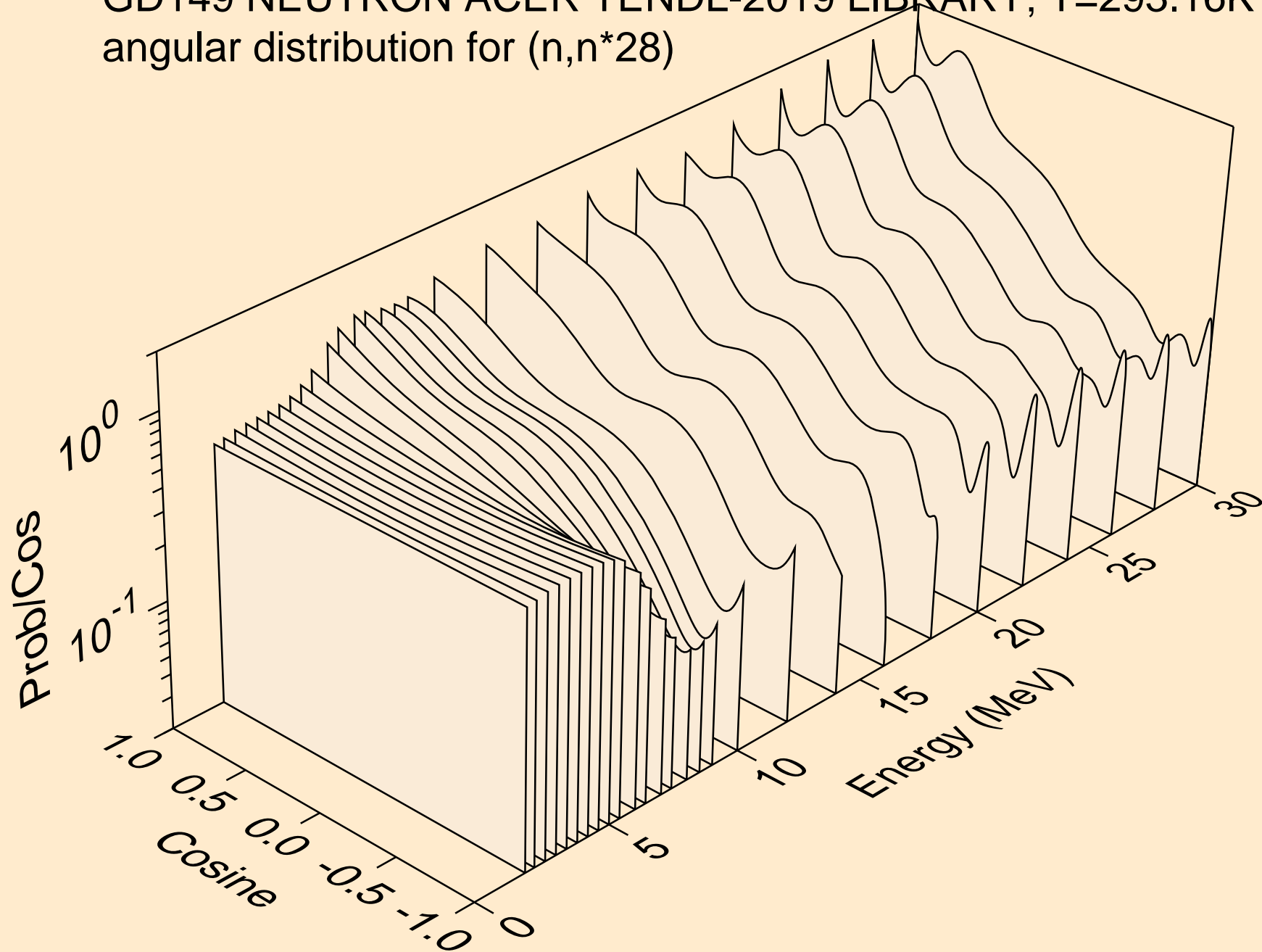
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*26)



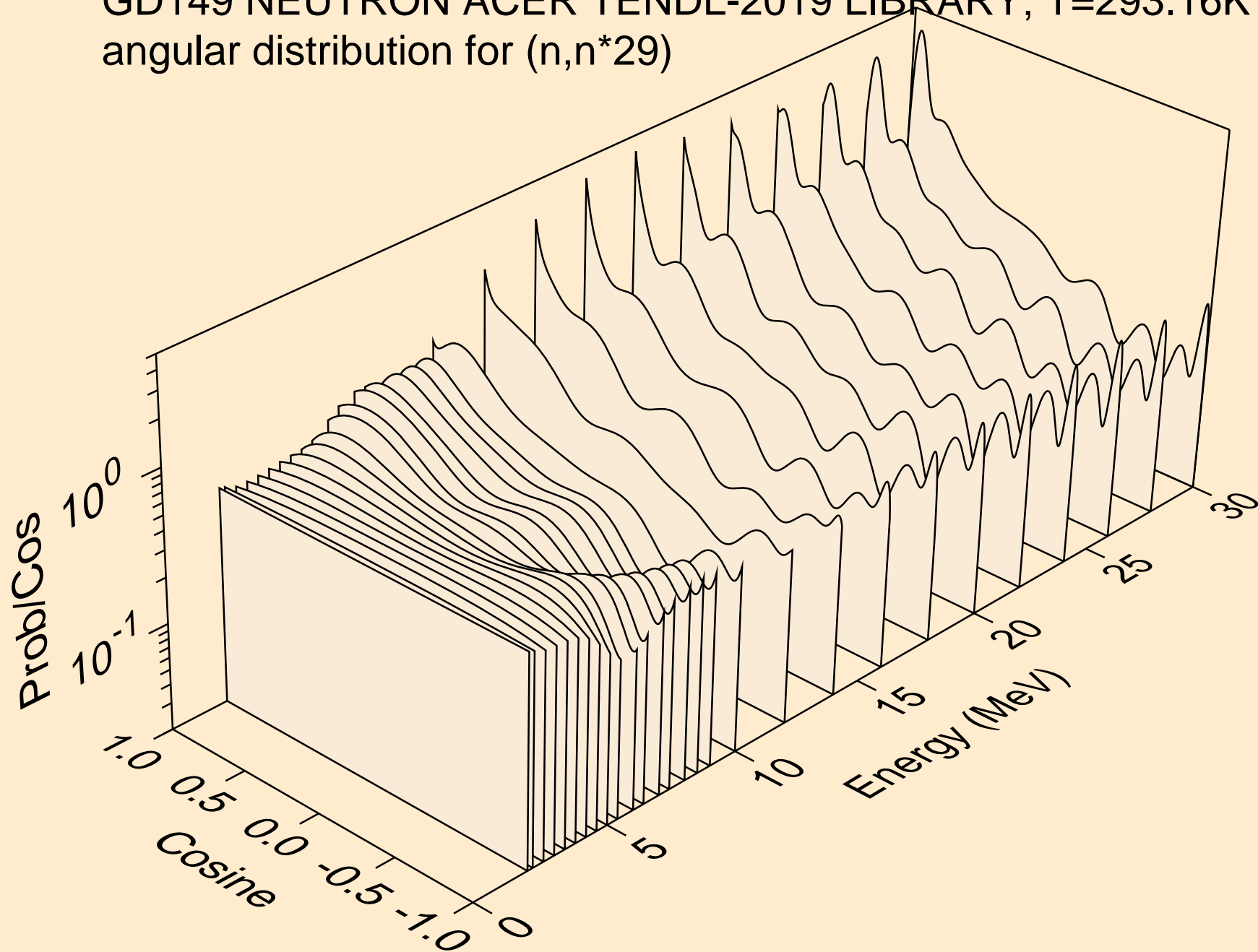
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*27)



GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*28)

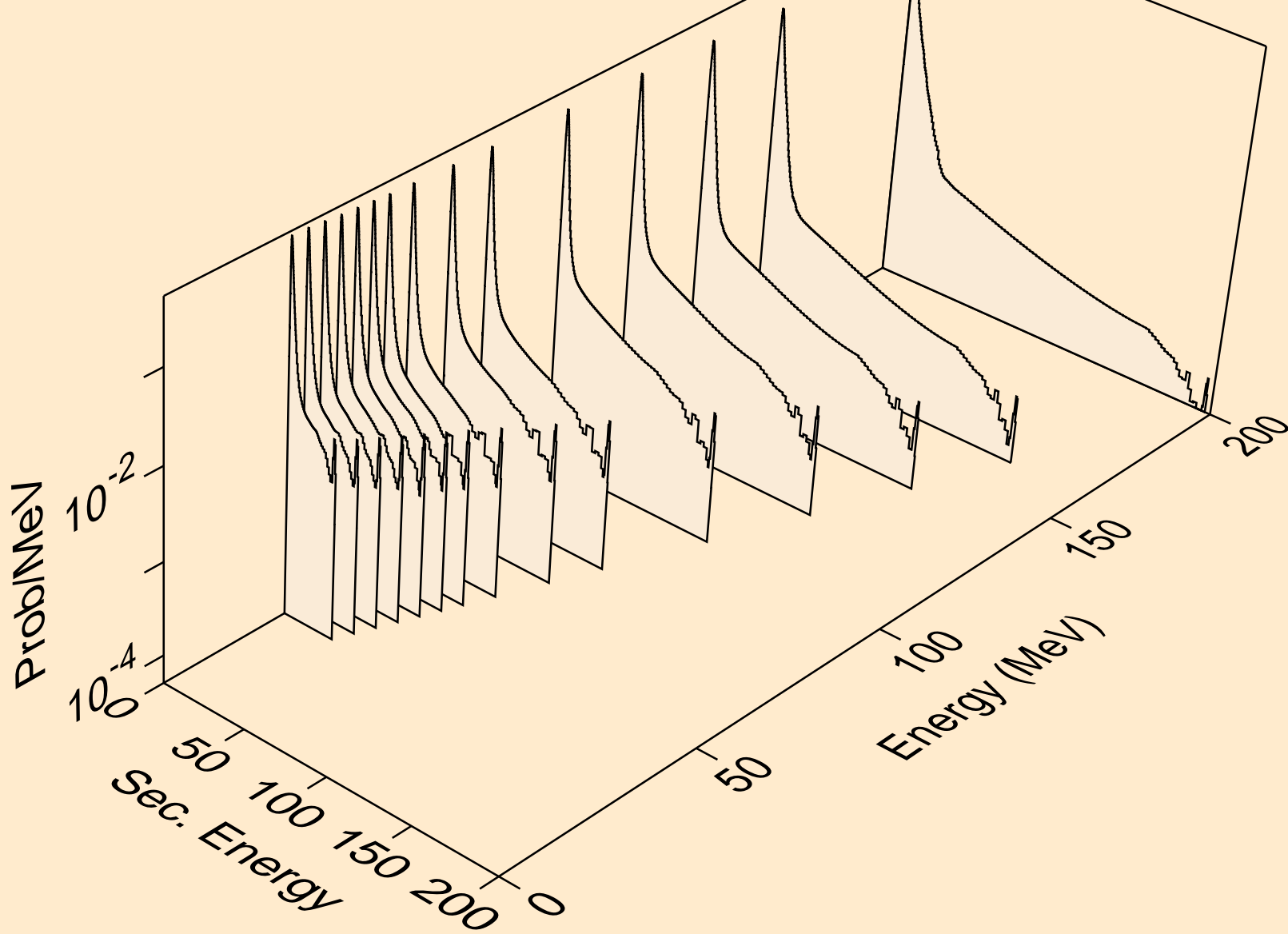


GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*29)

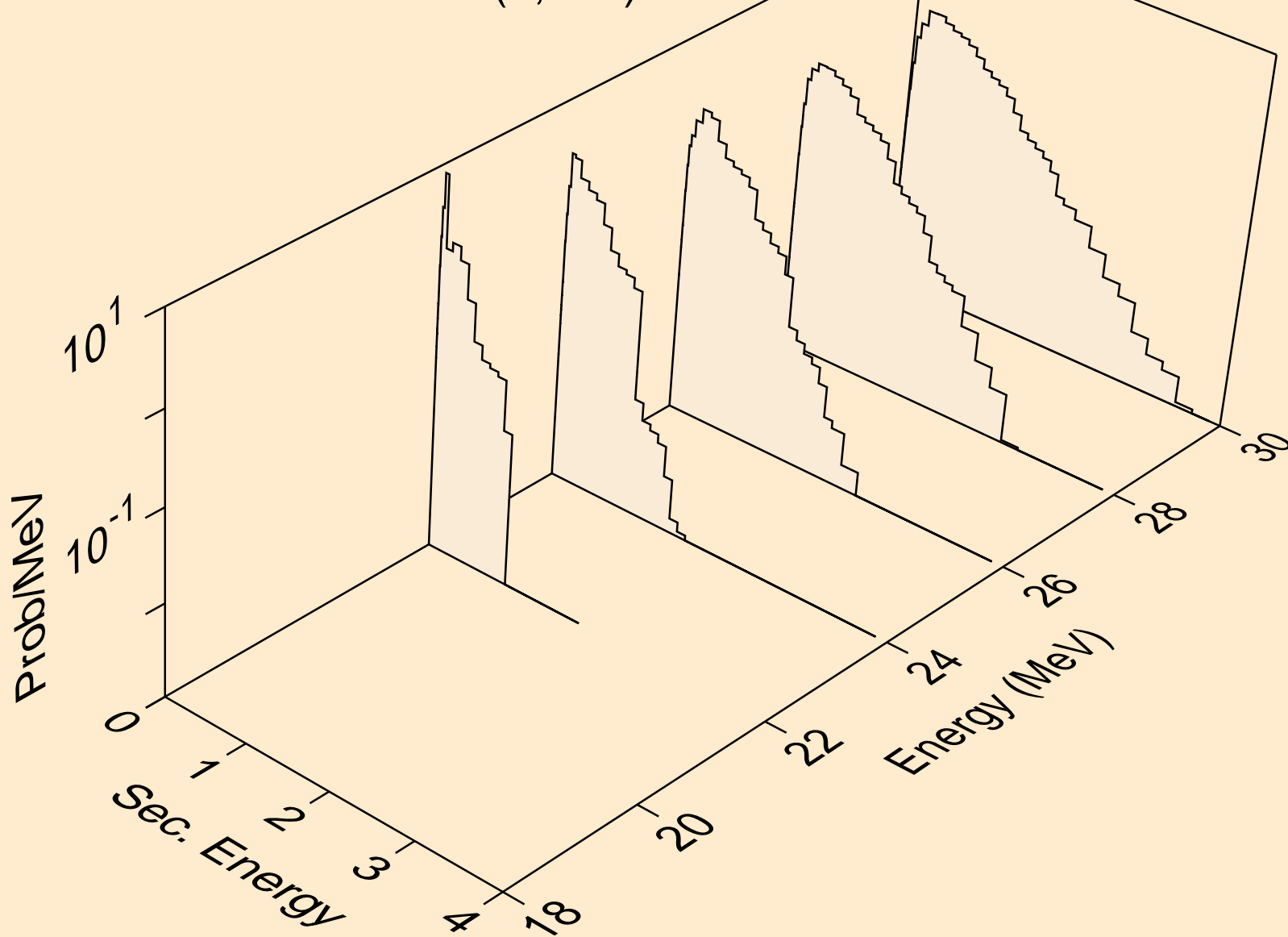




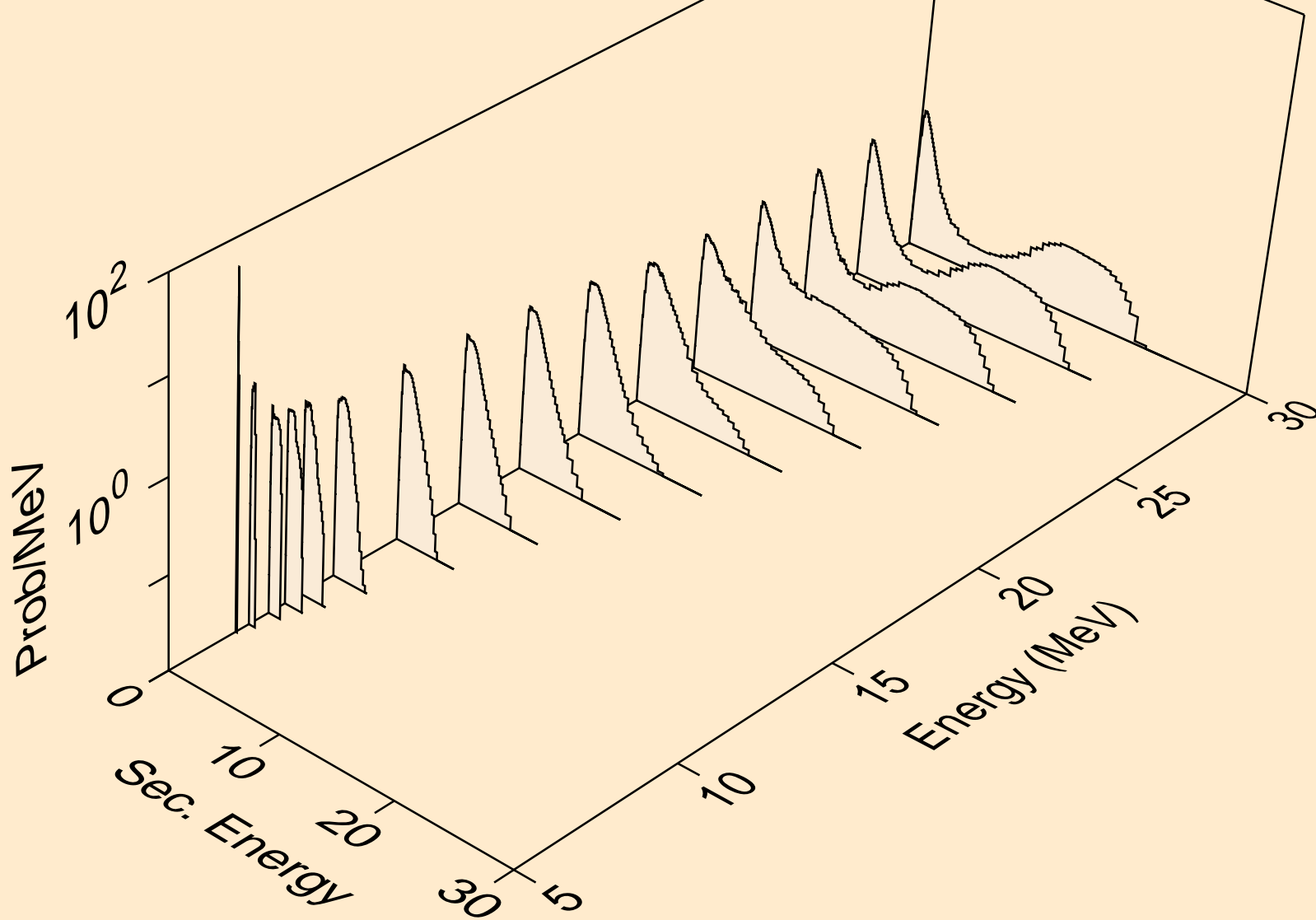
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



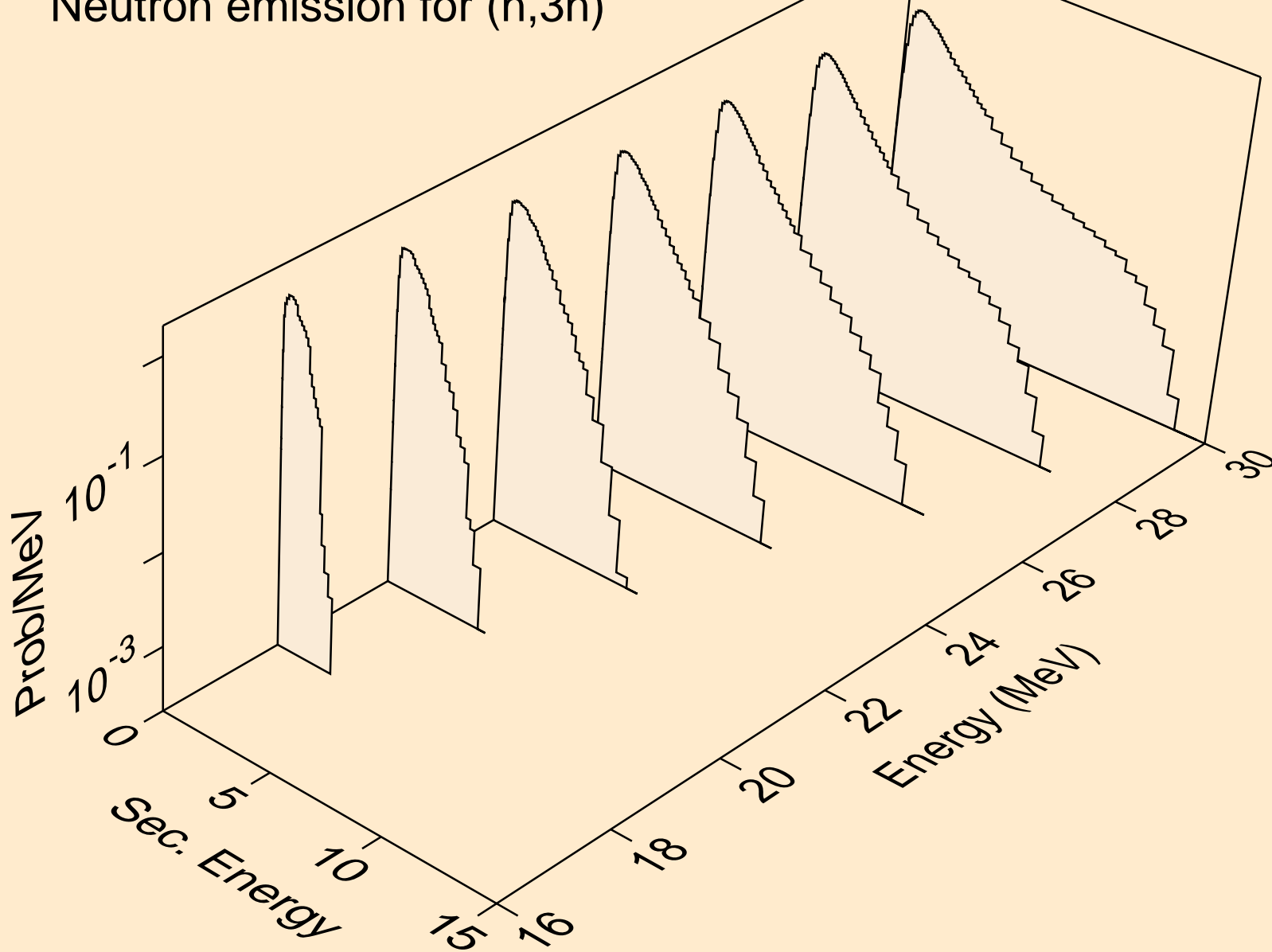
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



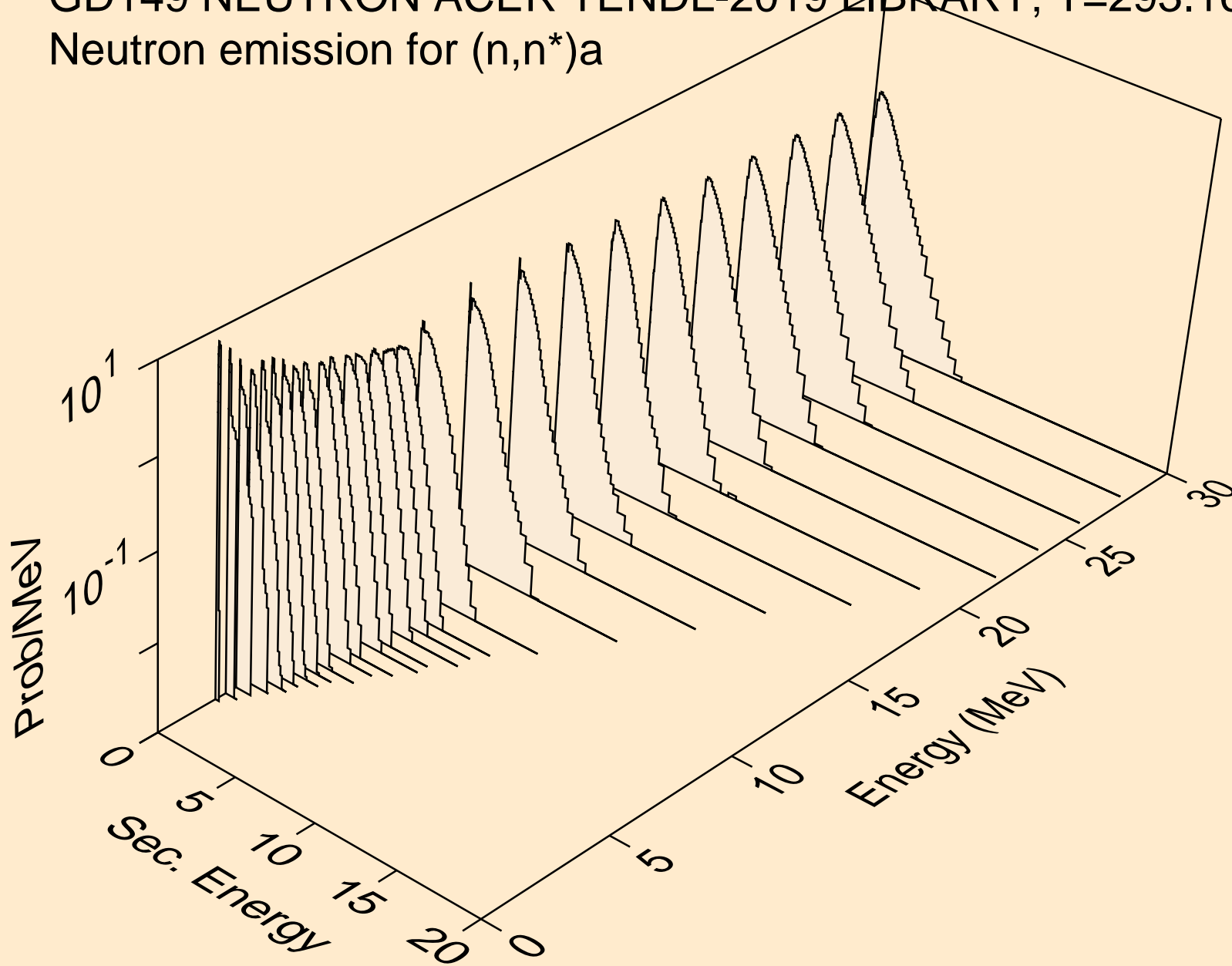
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



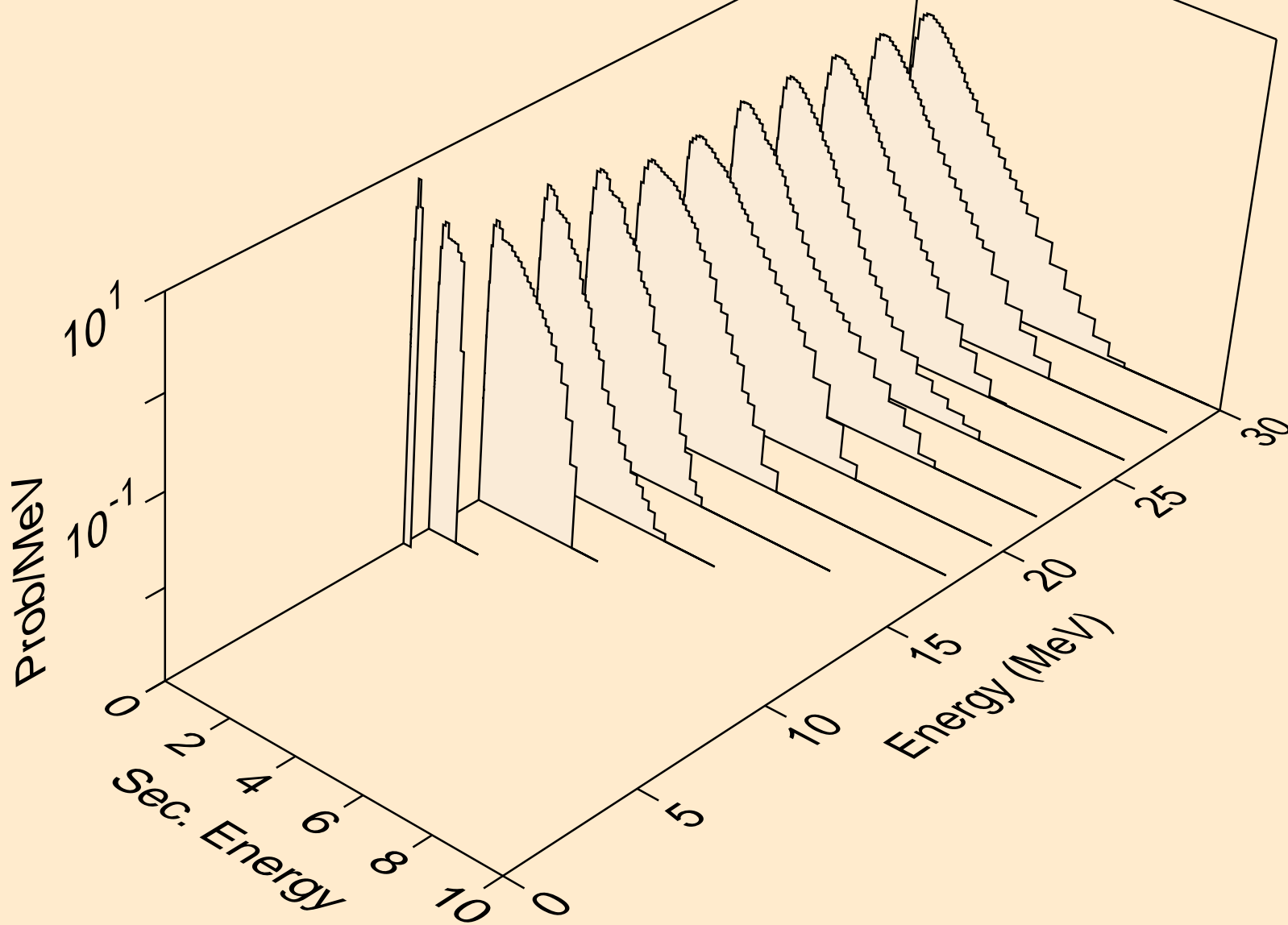
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



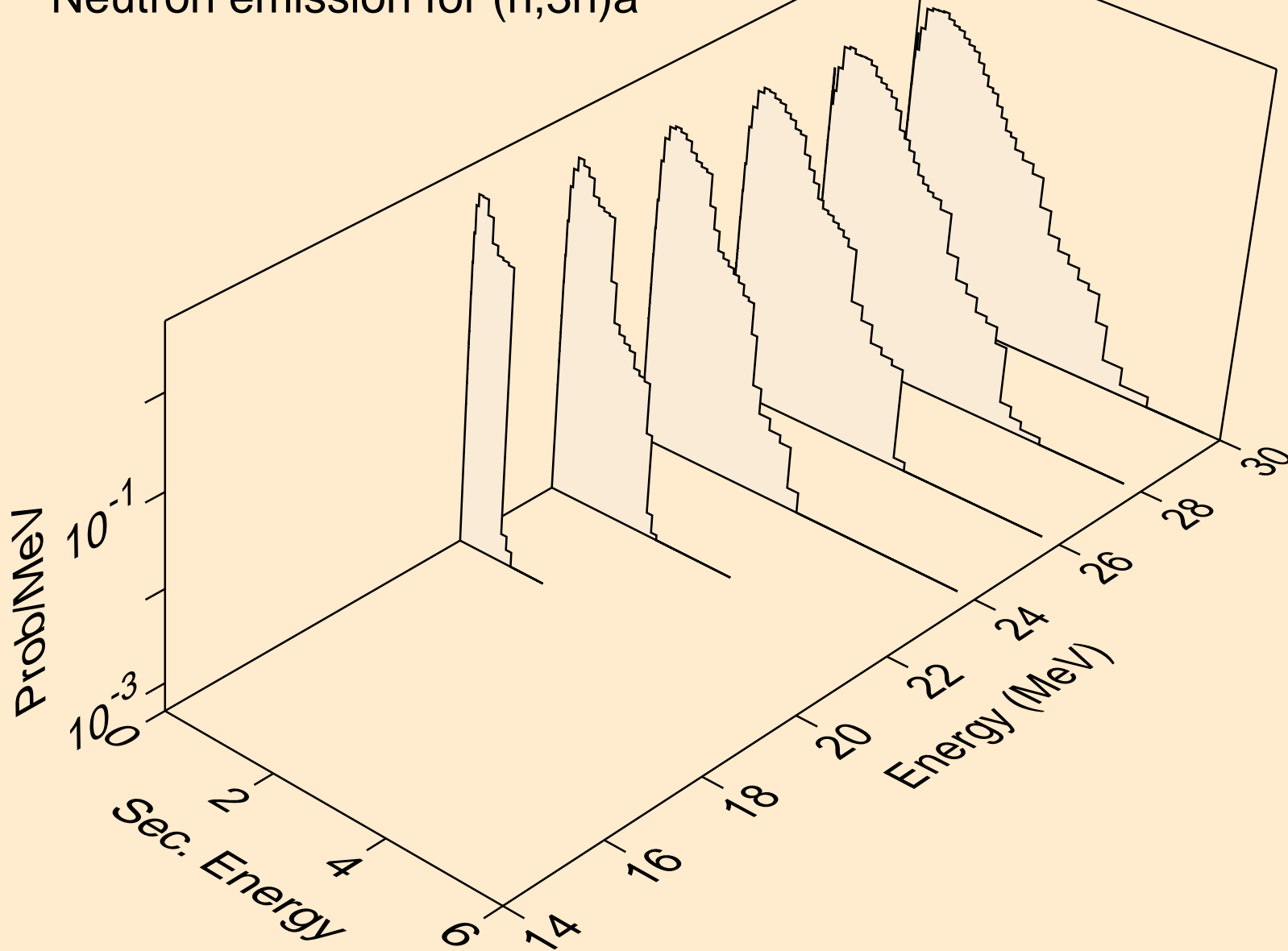
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



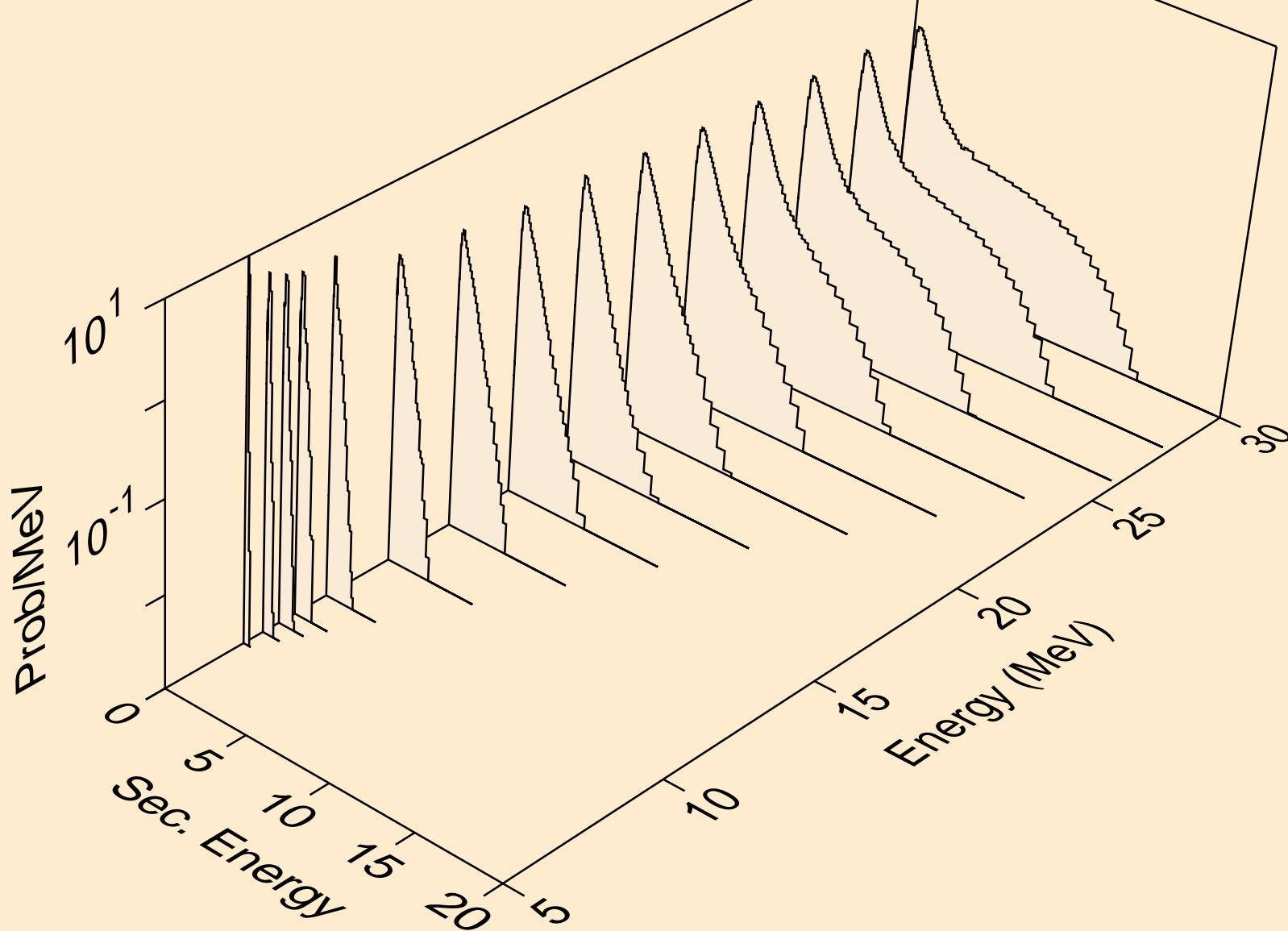
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a



GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)<sub>a</sub>

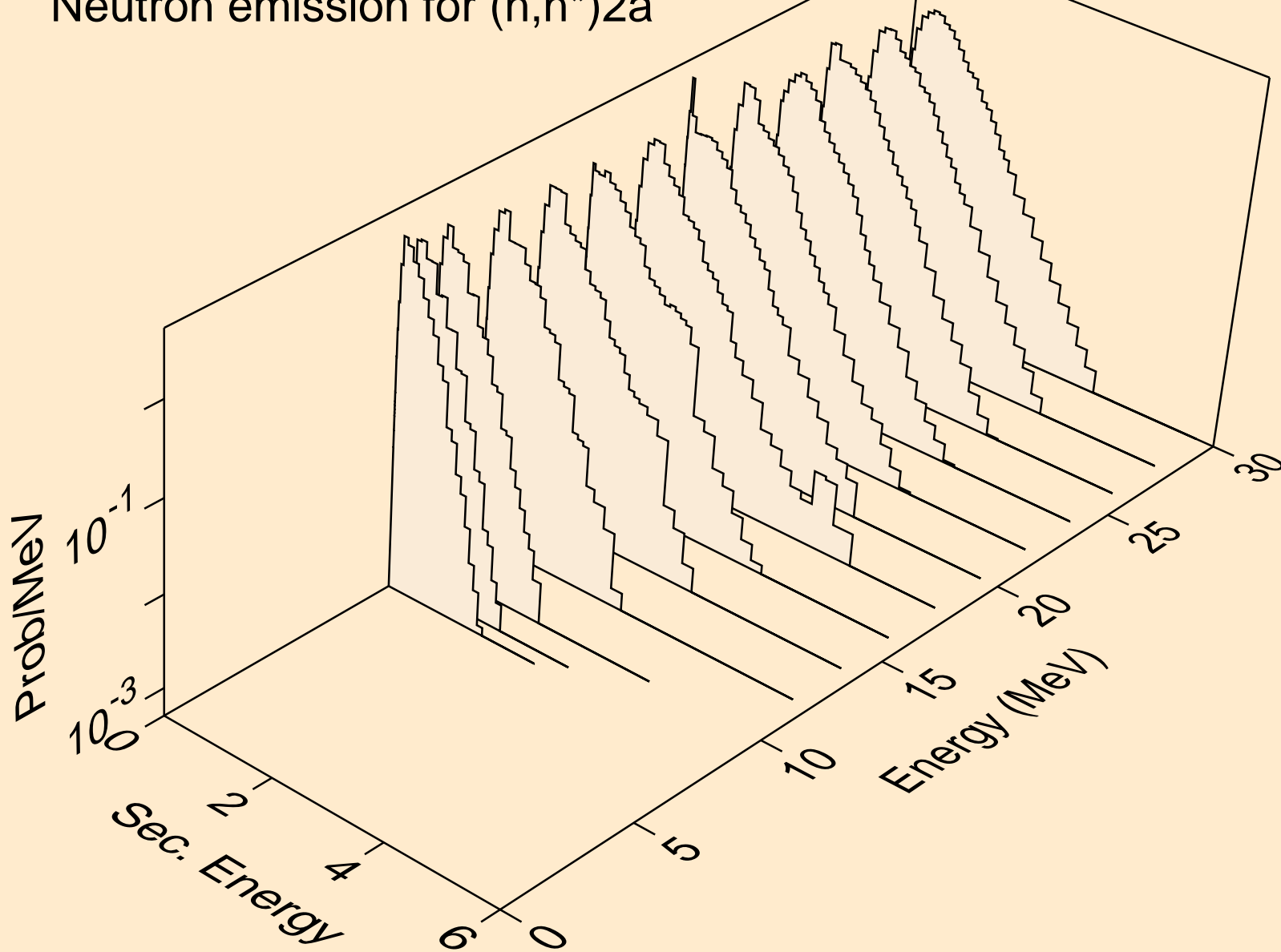


GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p

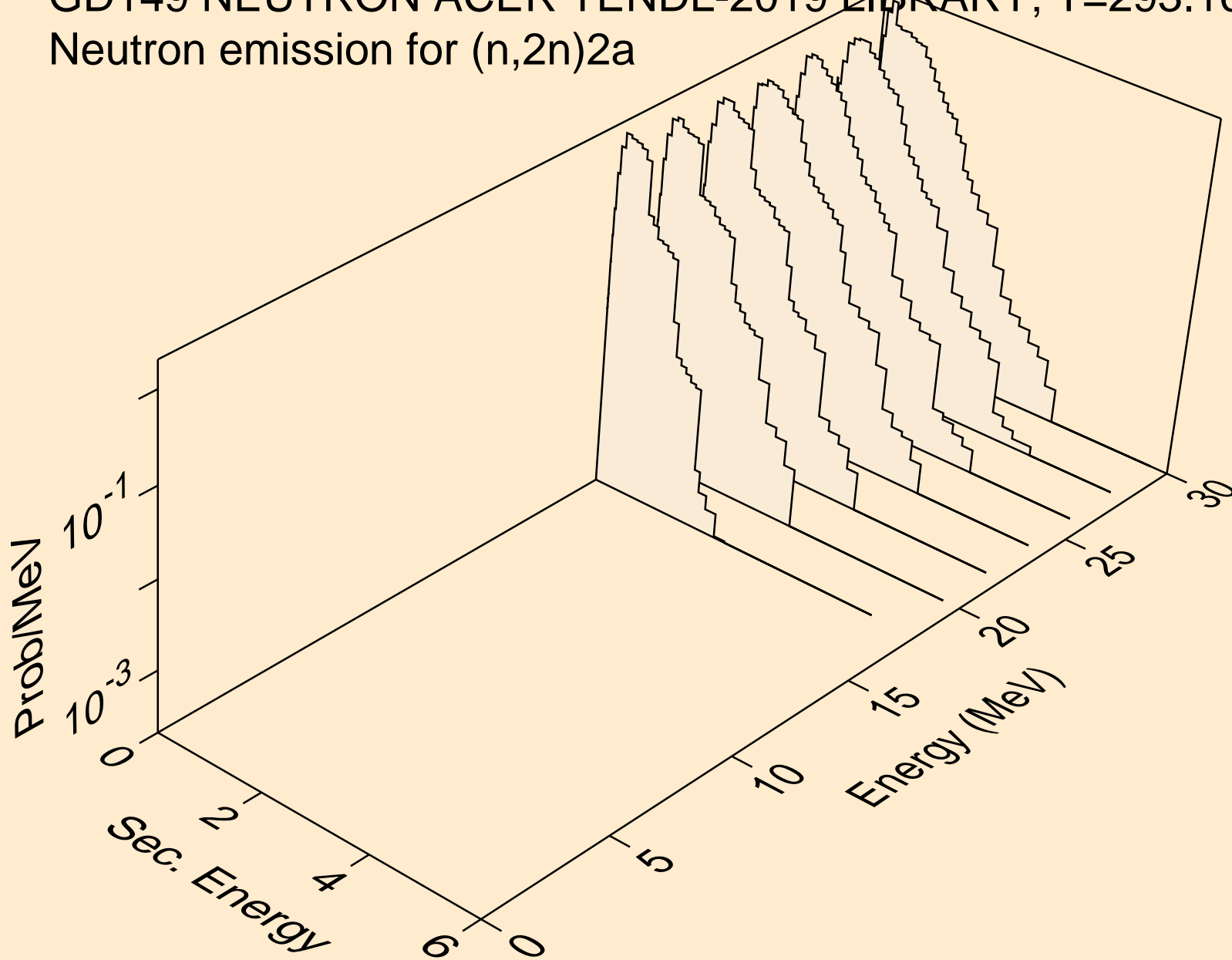




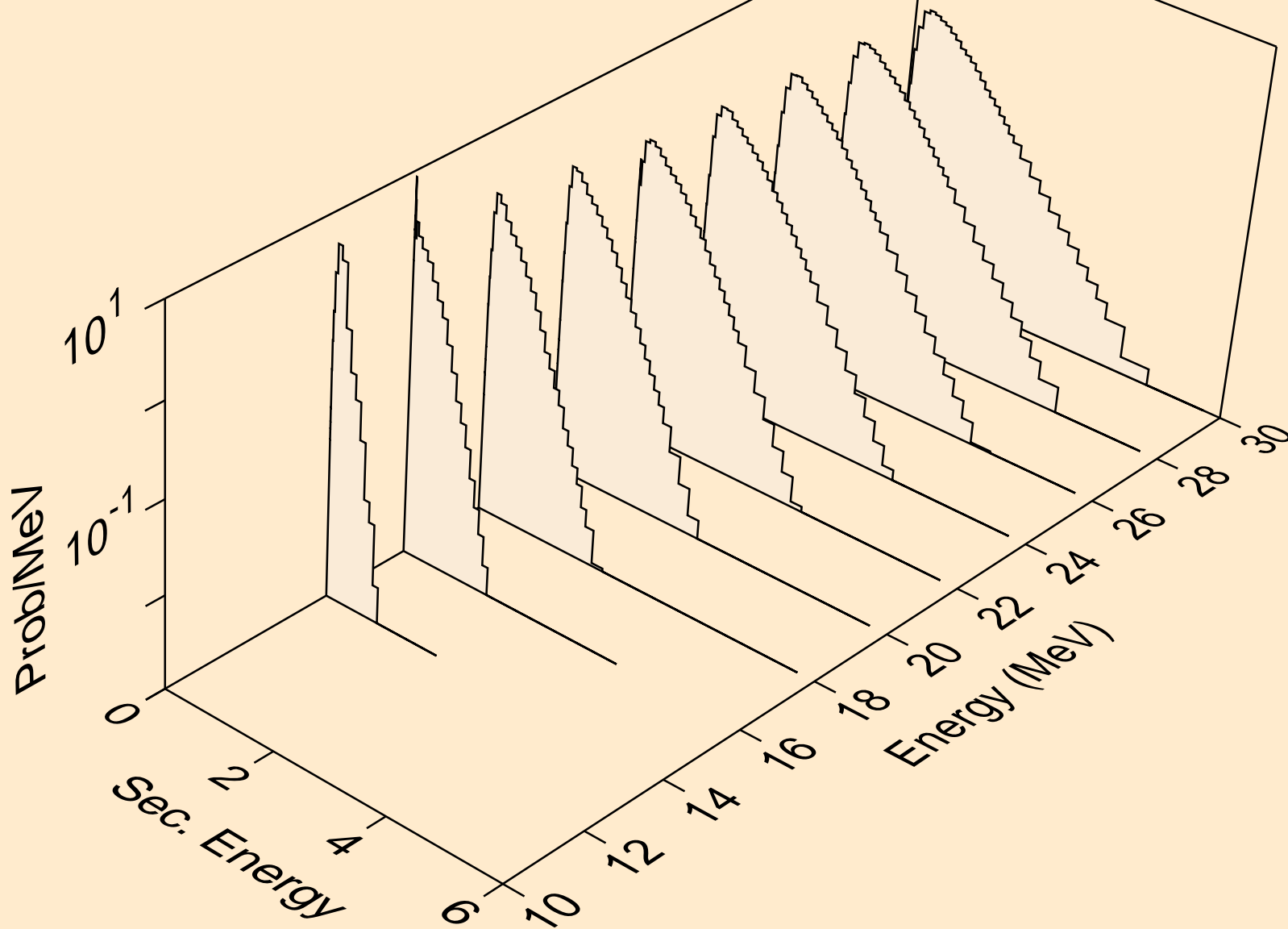
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a



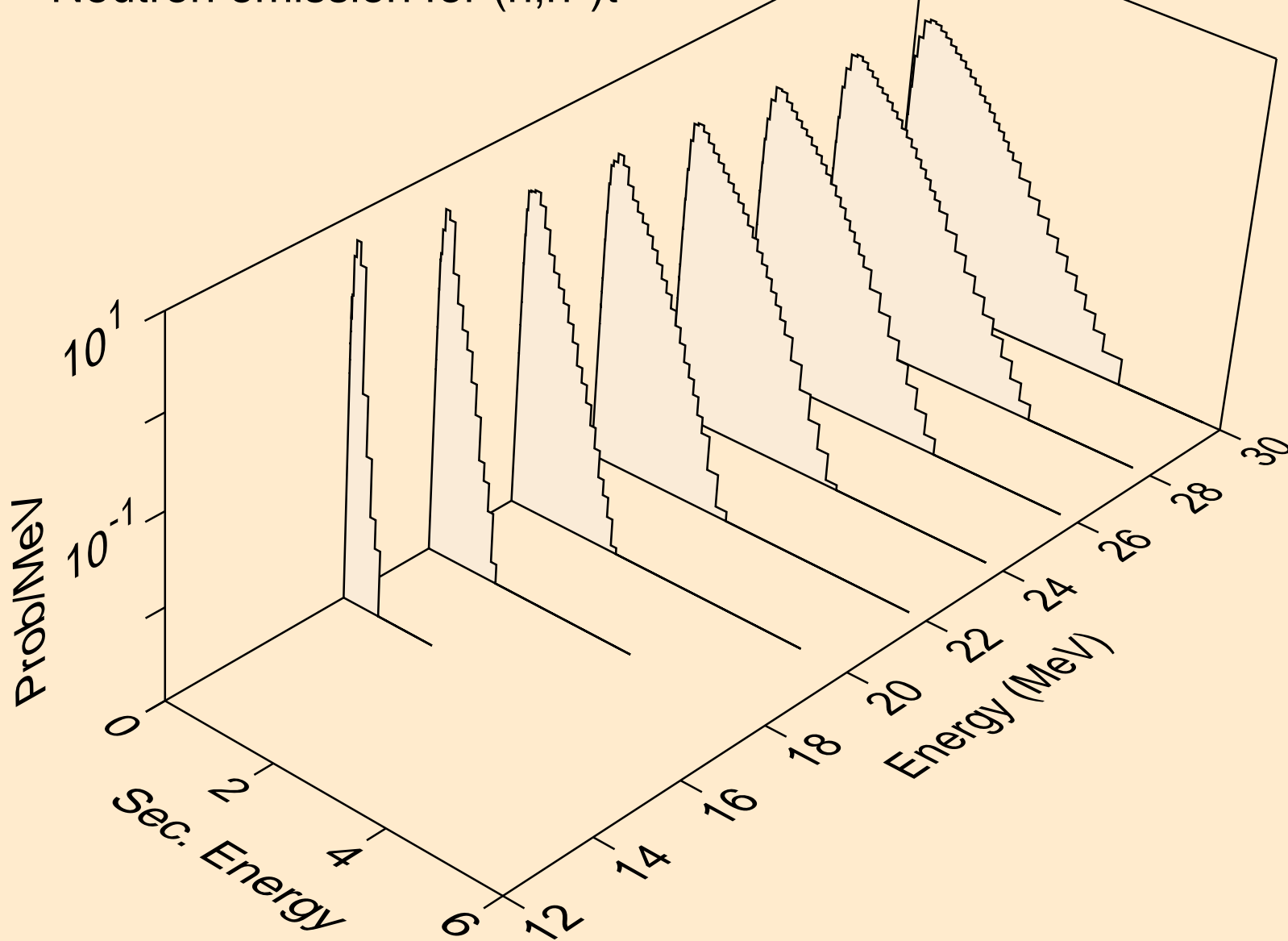
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)2a



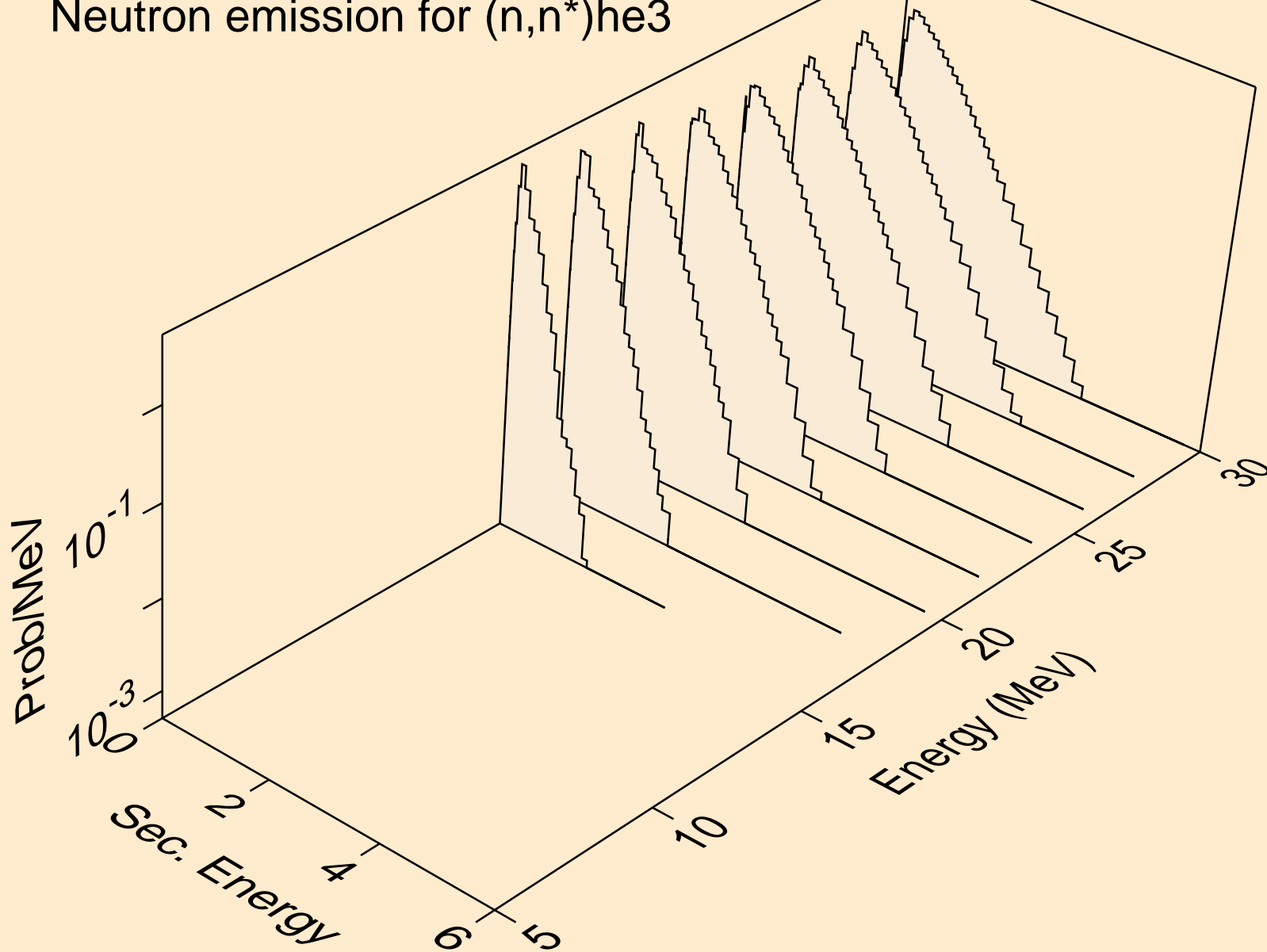
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



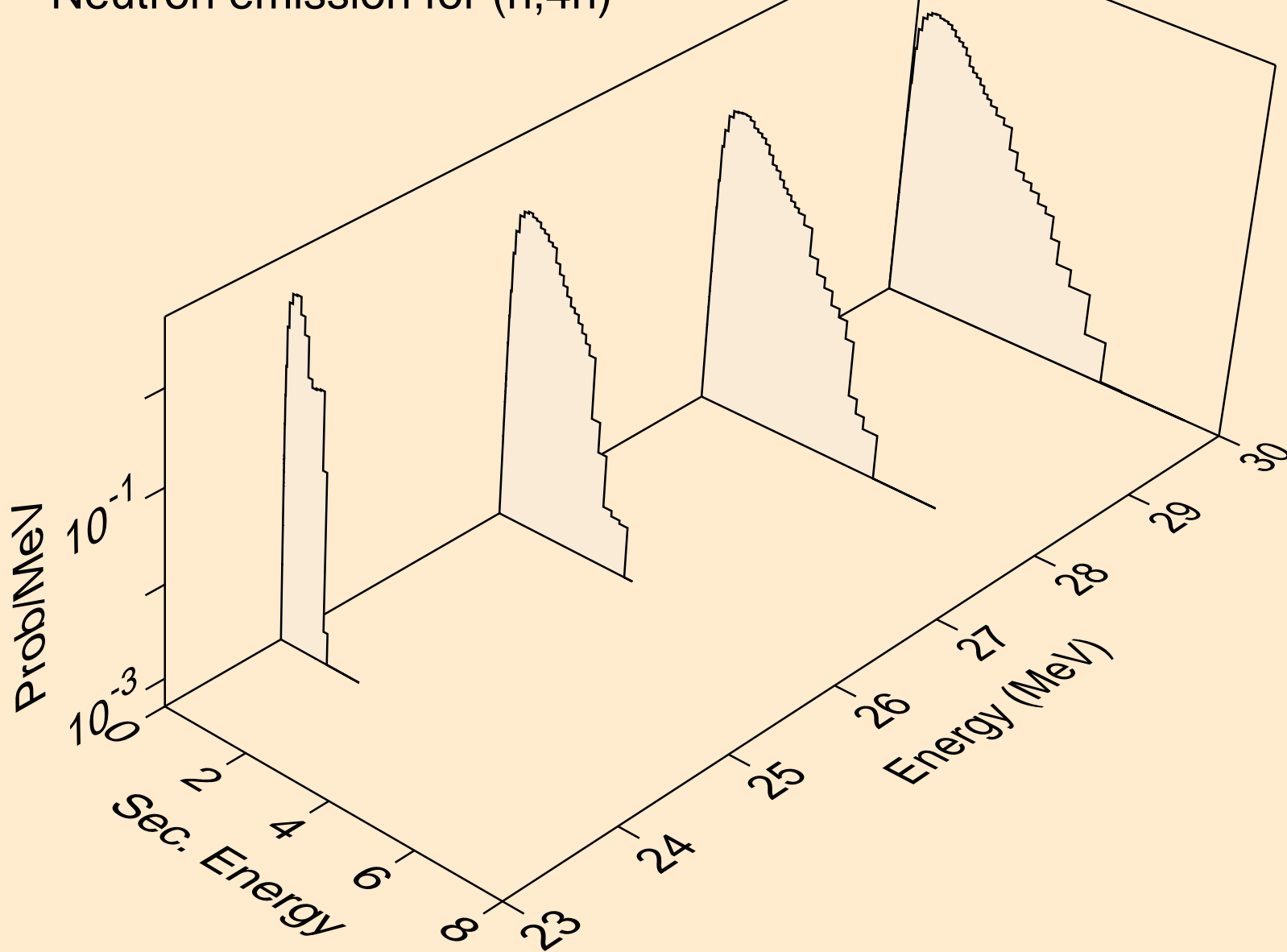
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



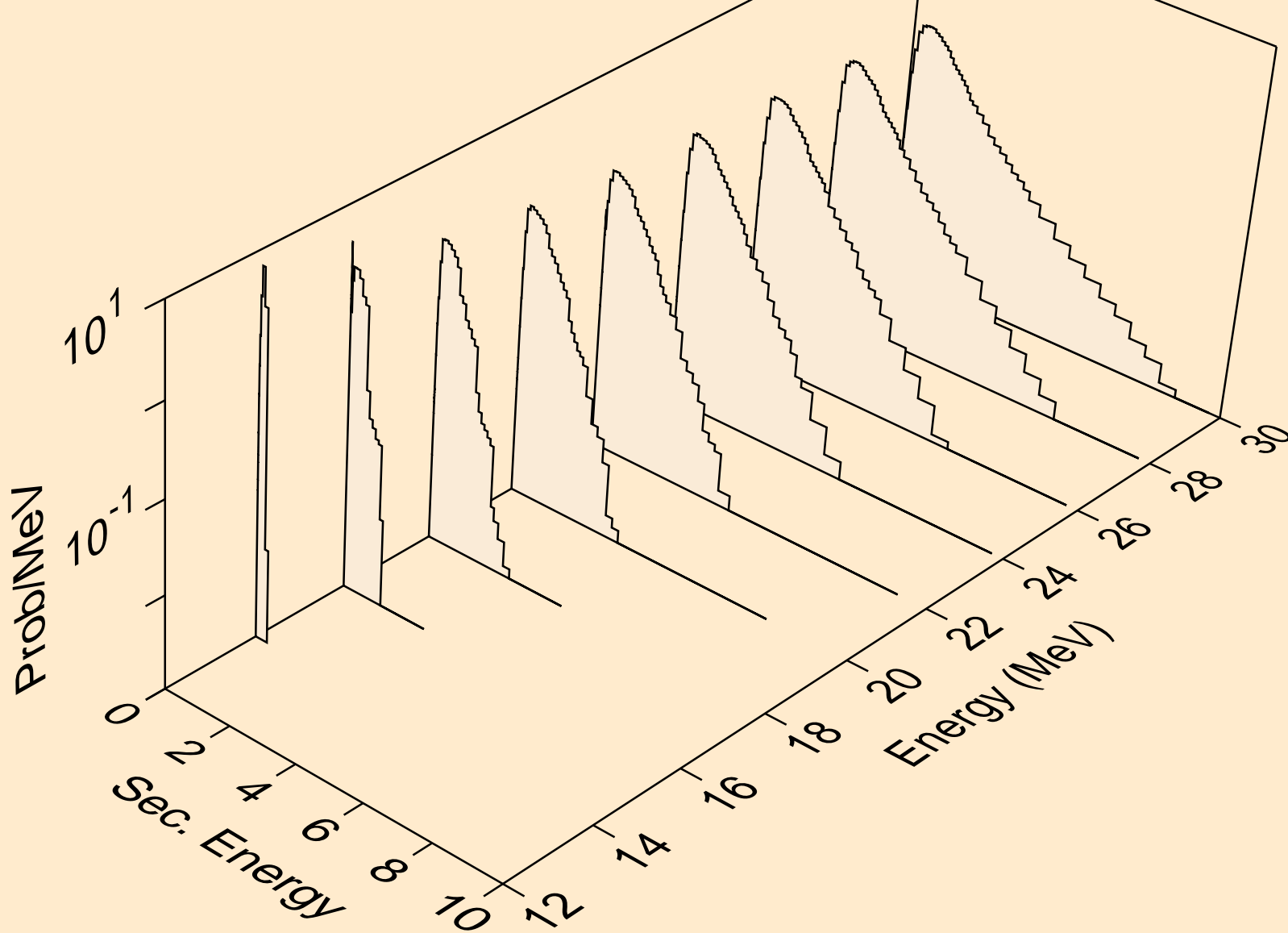
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



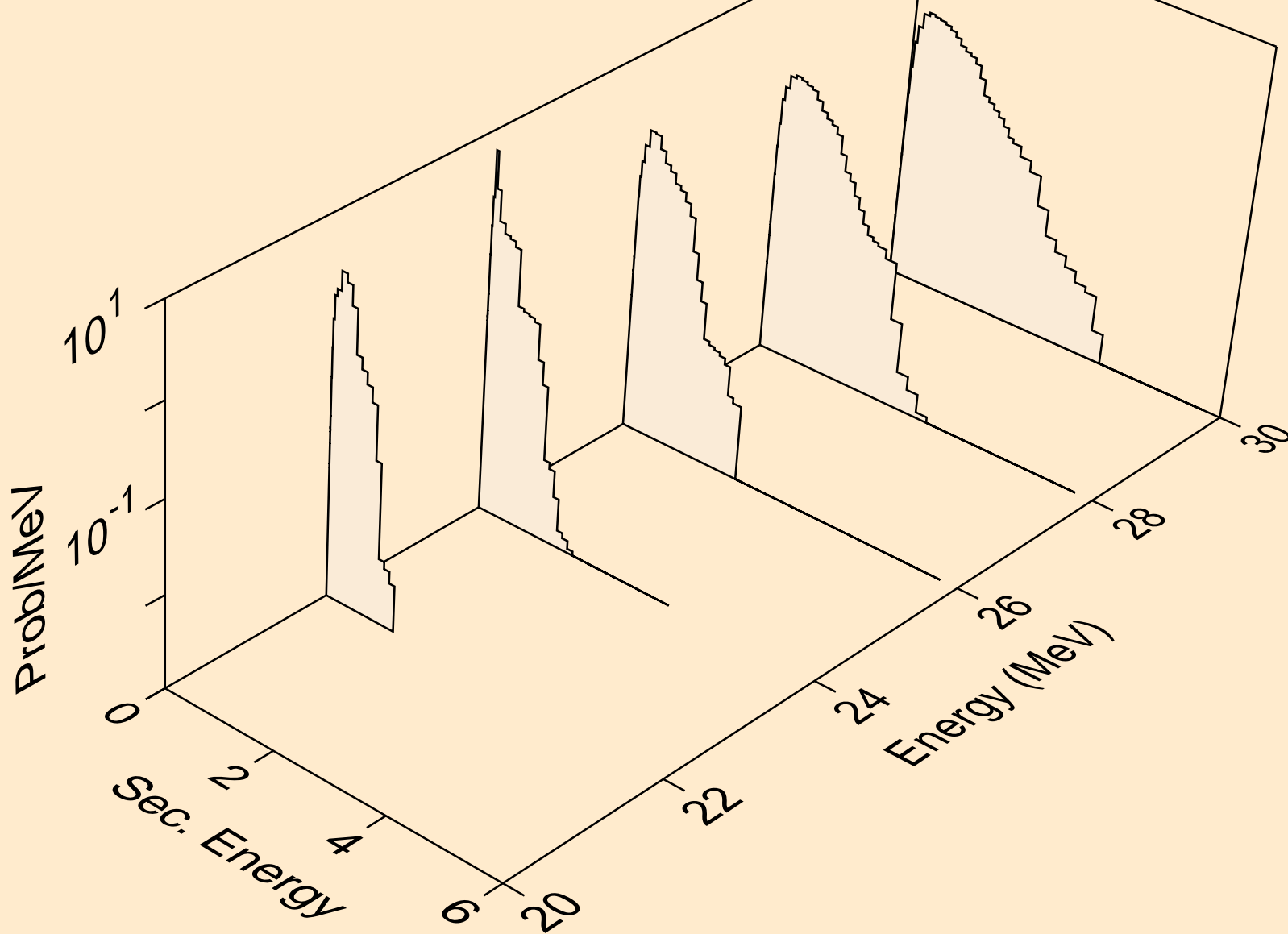
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)



GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)

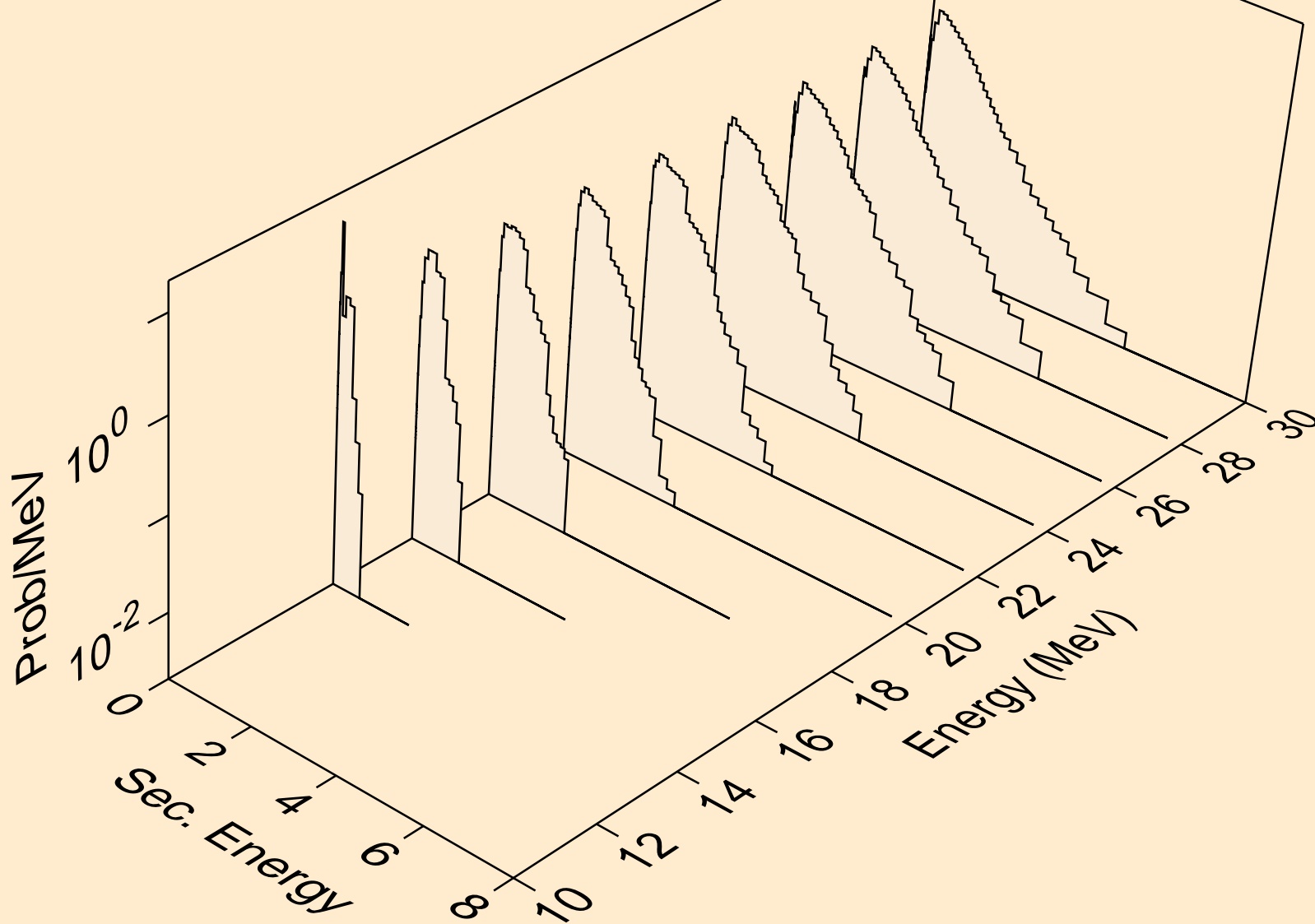


GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)

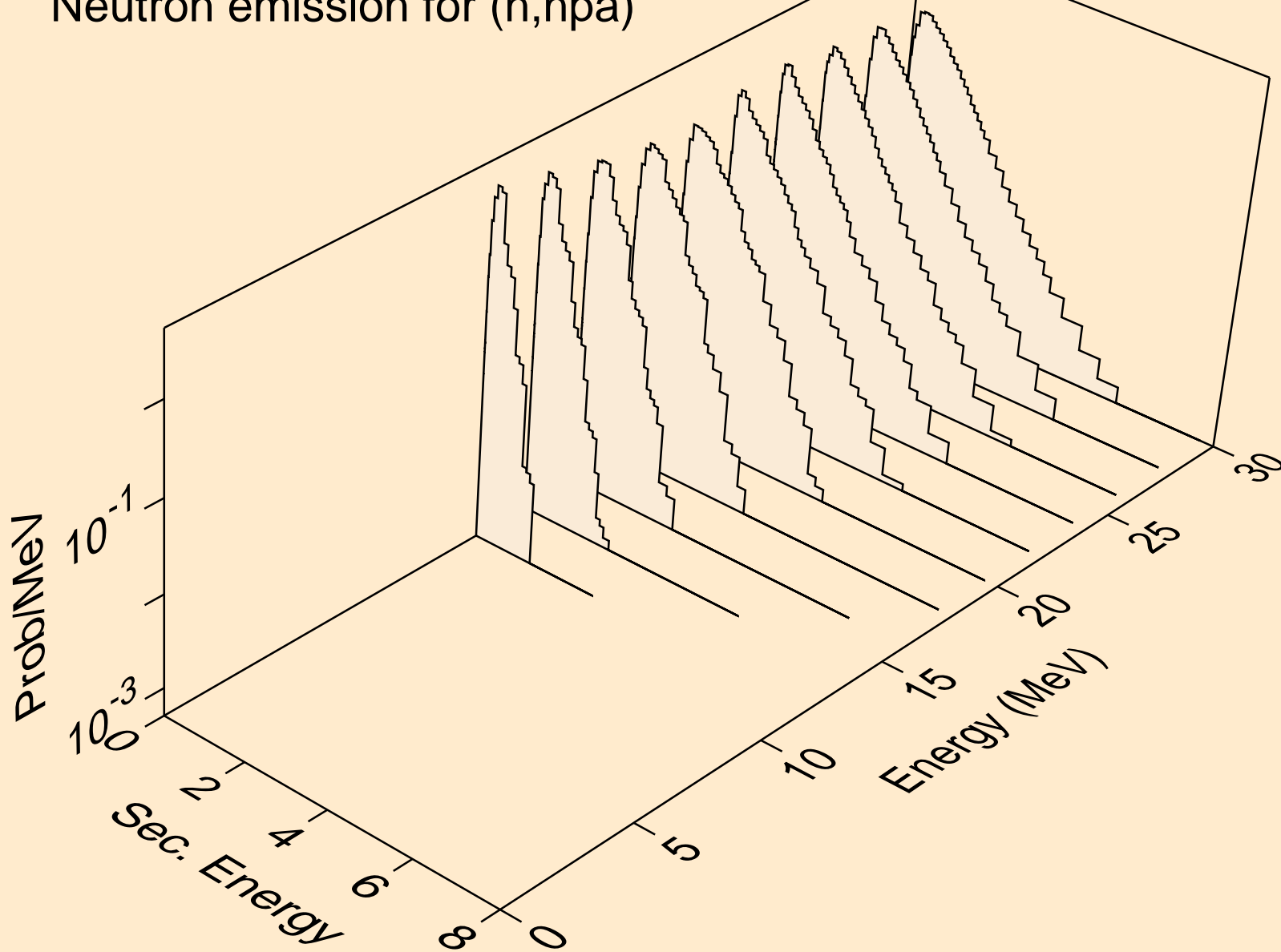




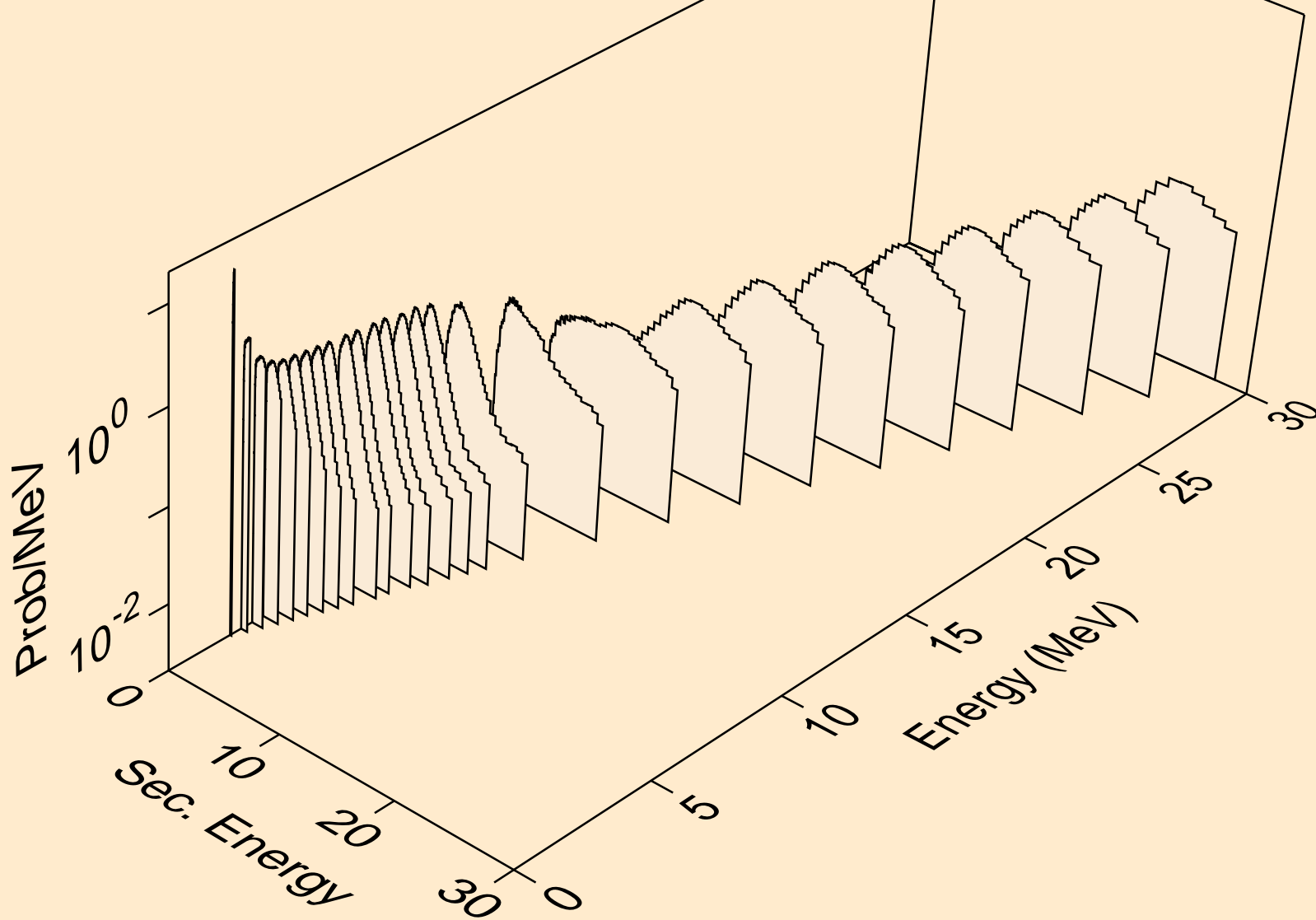
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



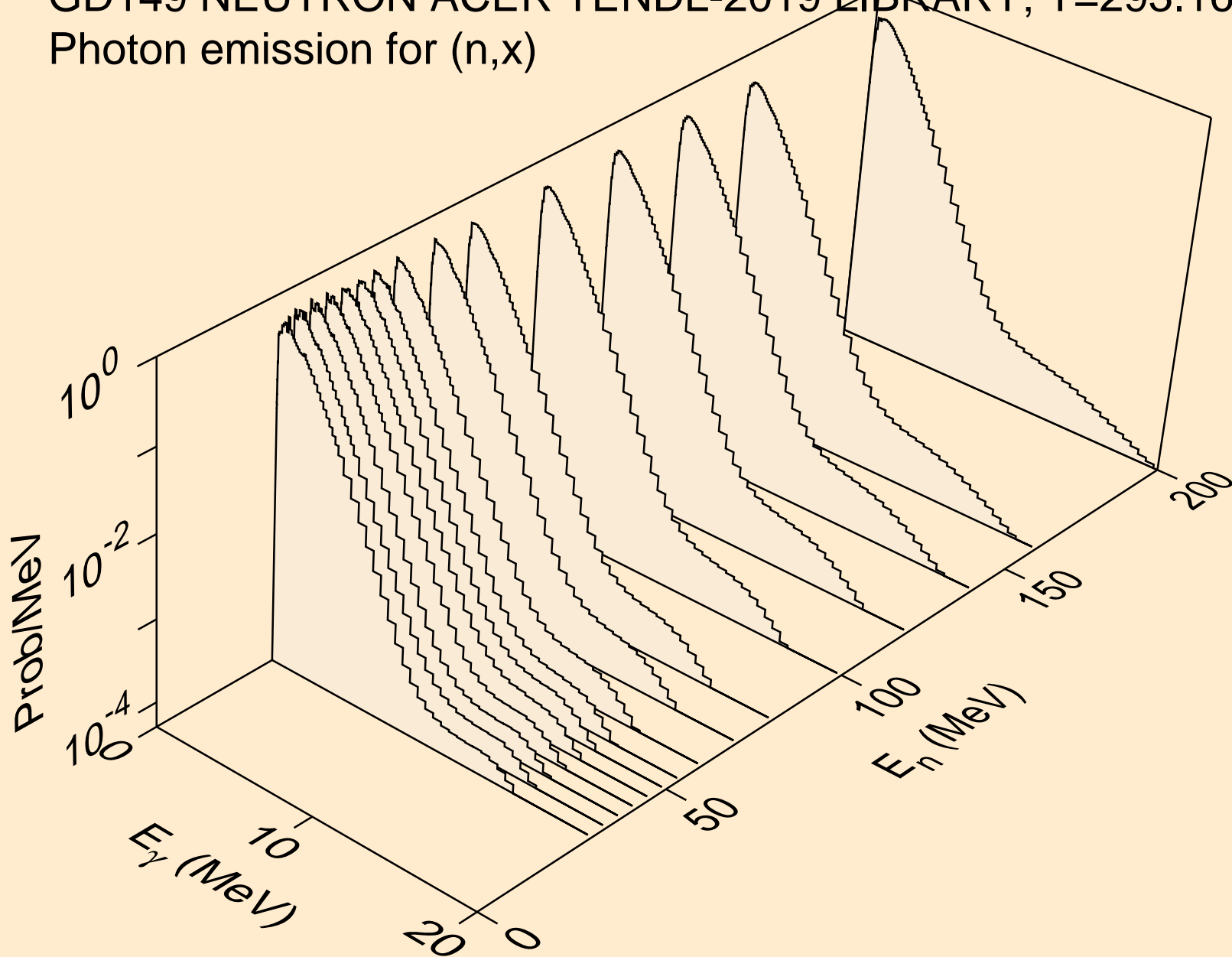
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)



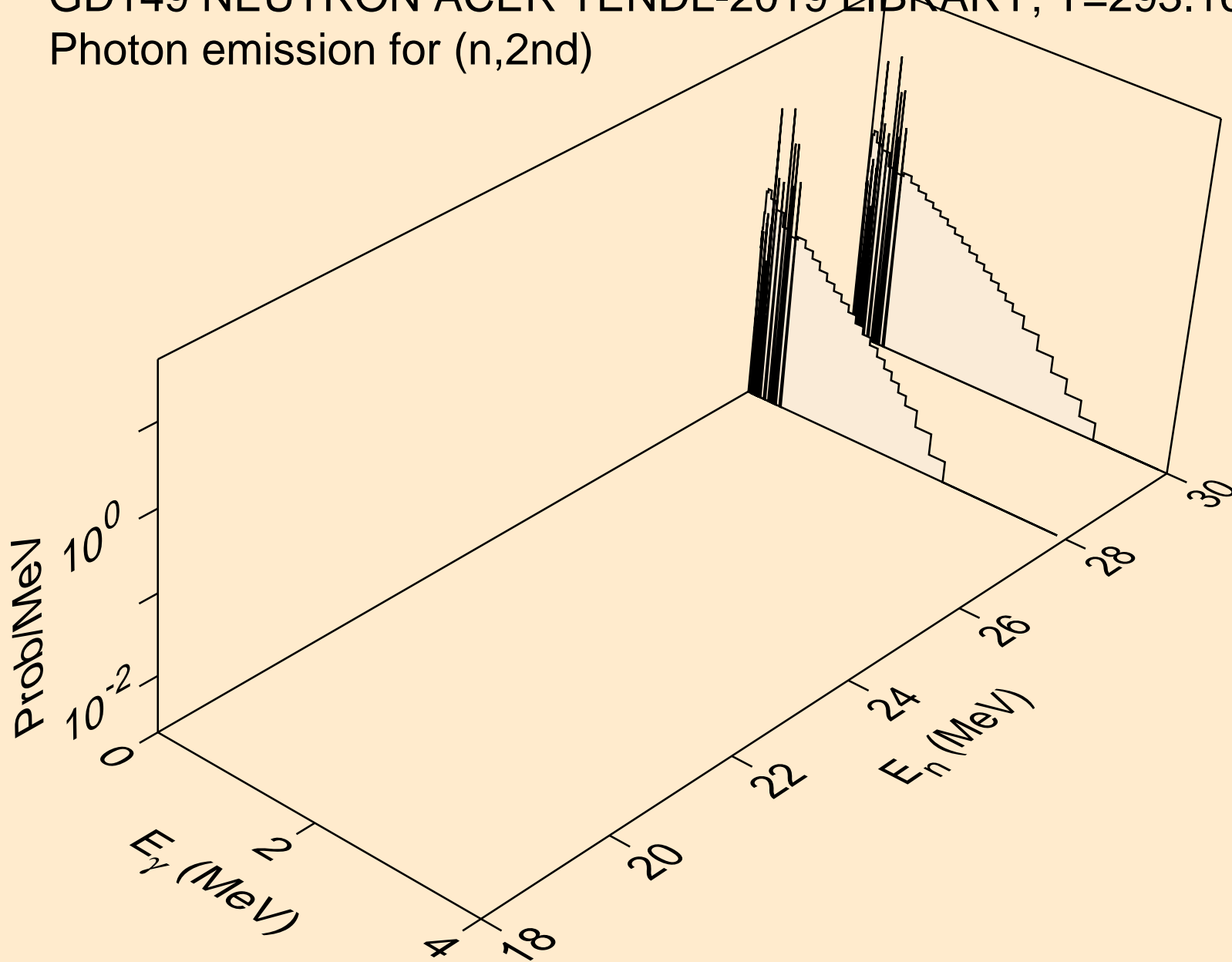
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



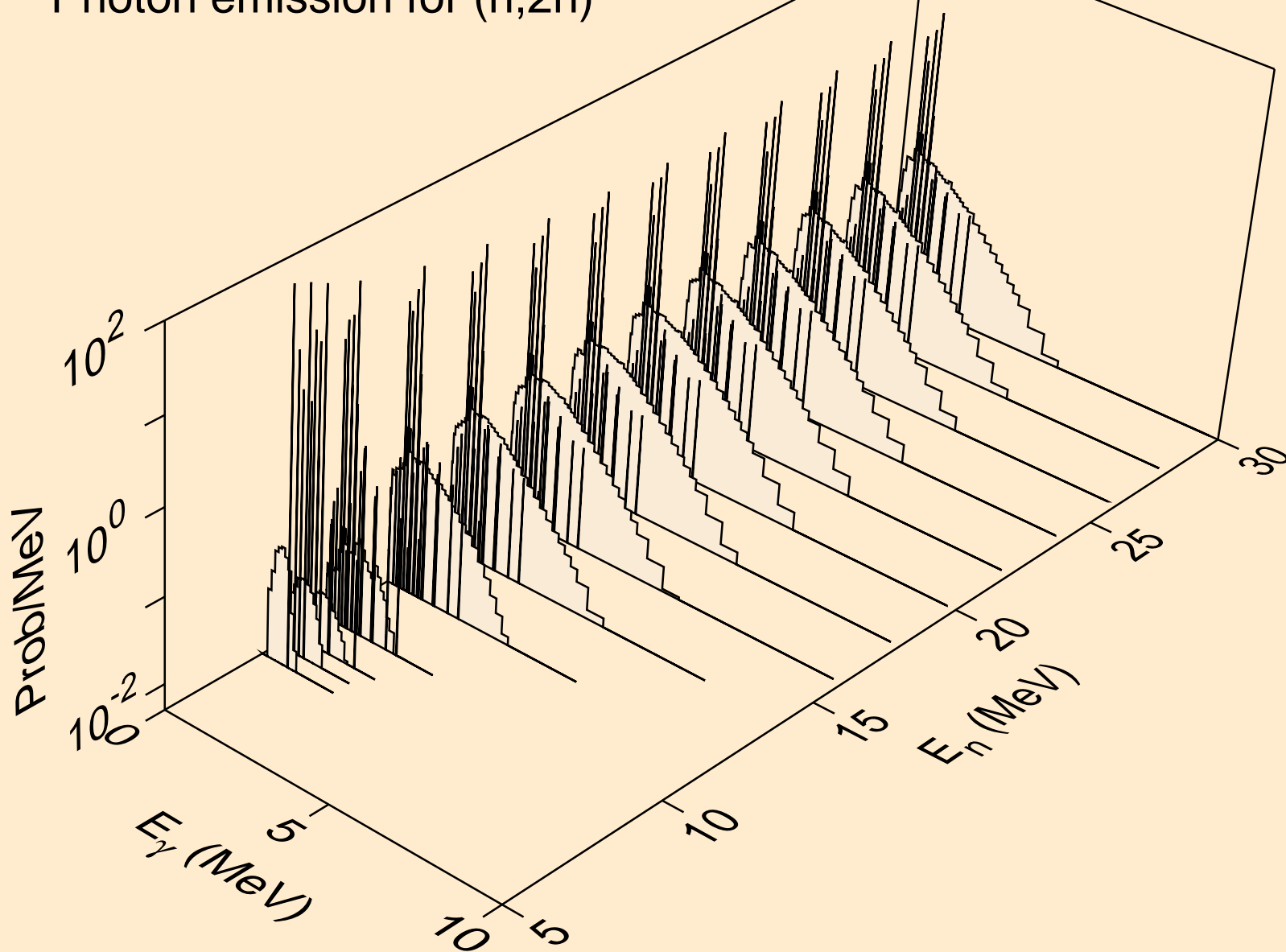
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



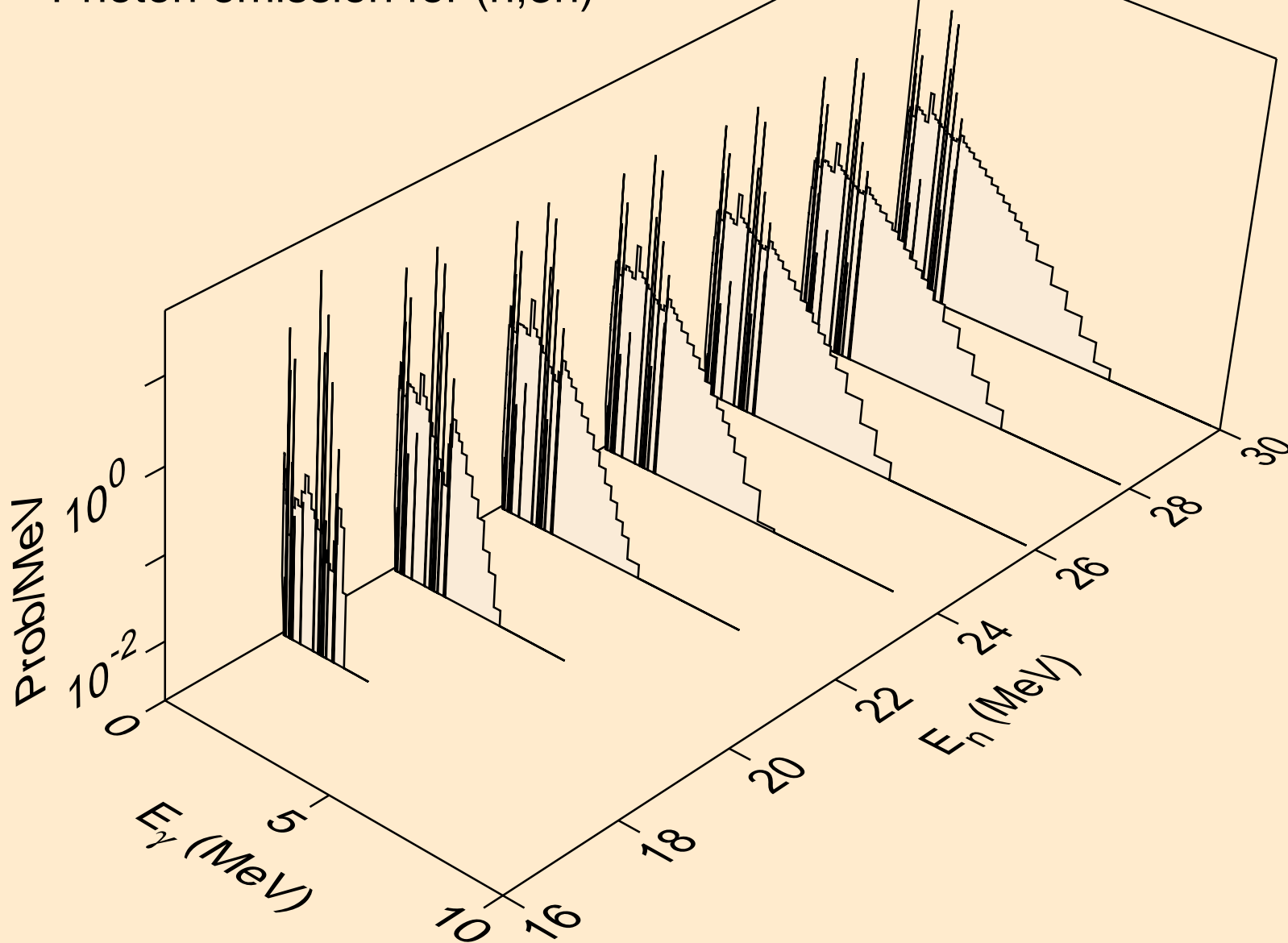
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)



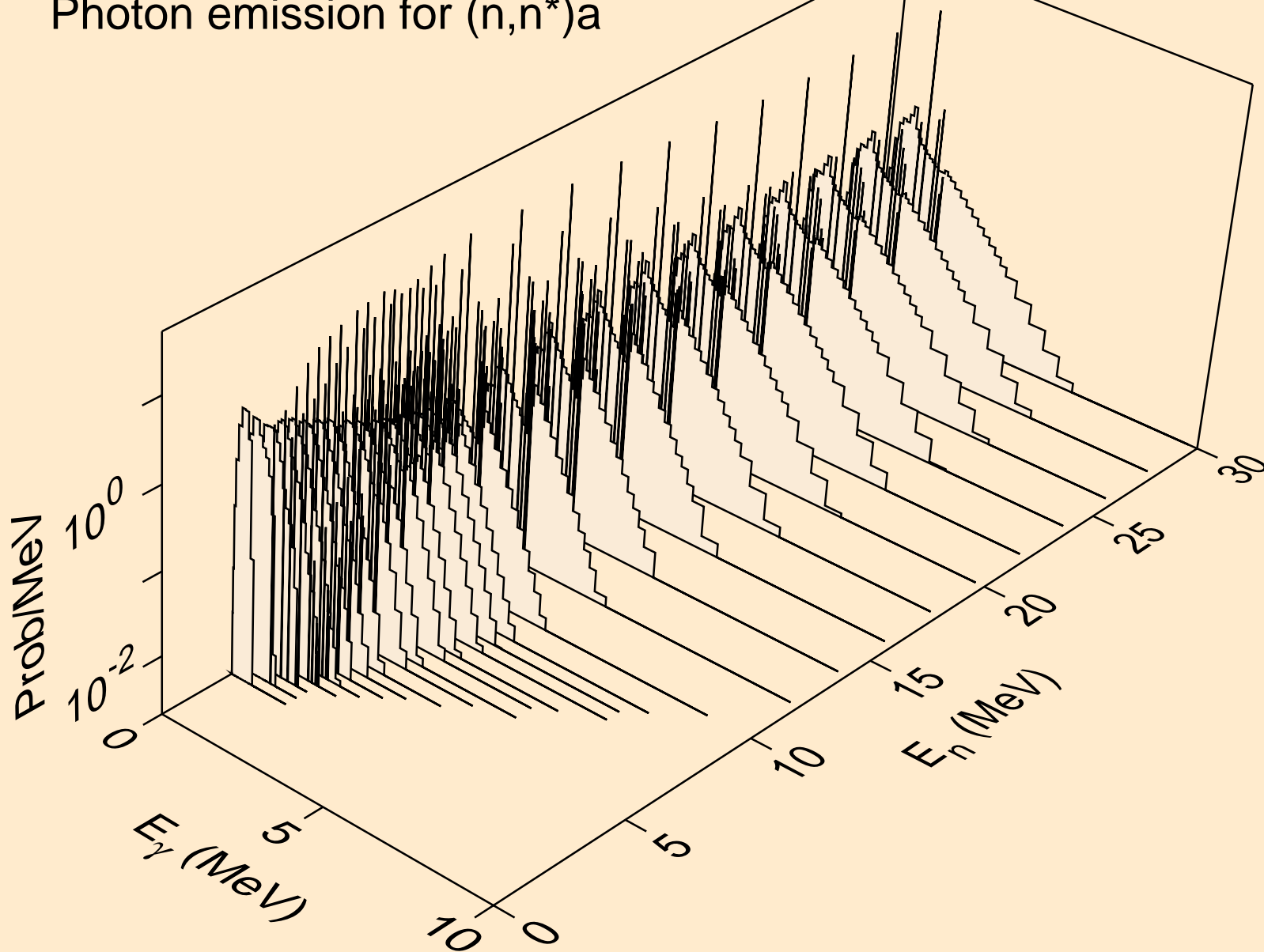
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)



GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)

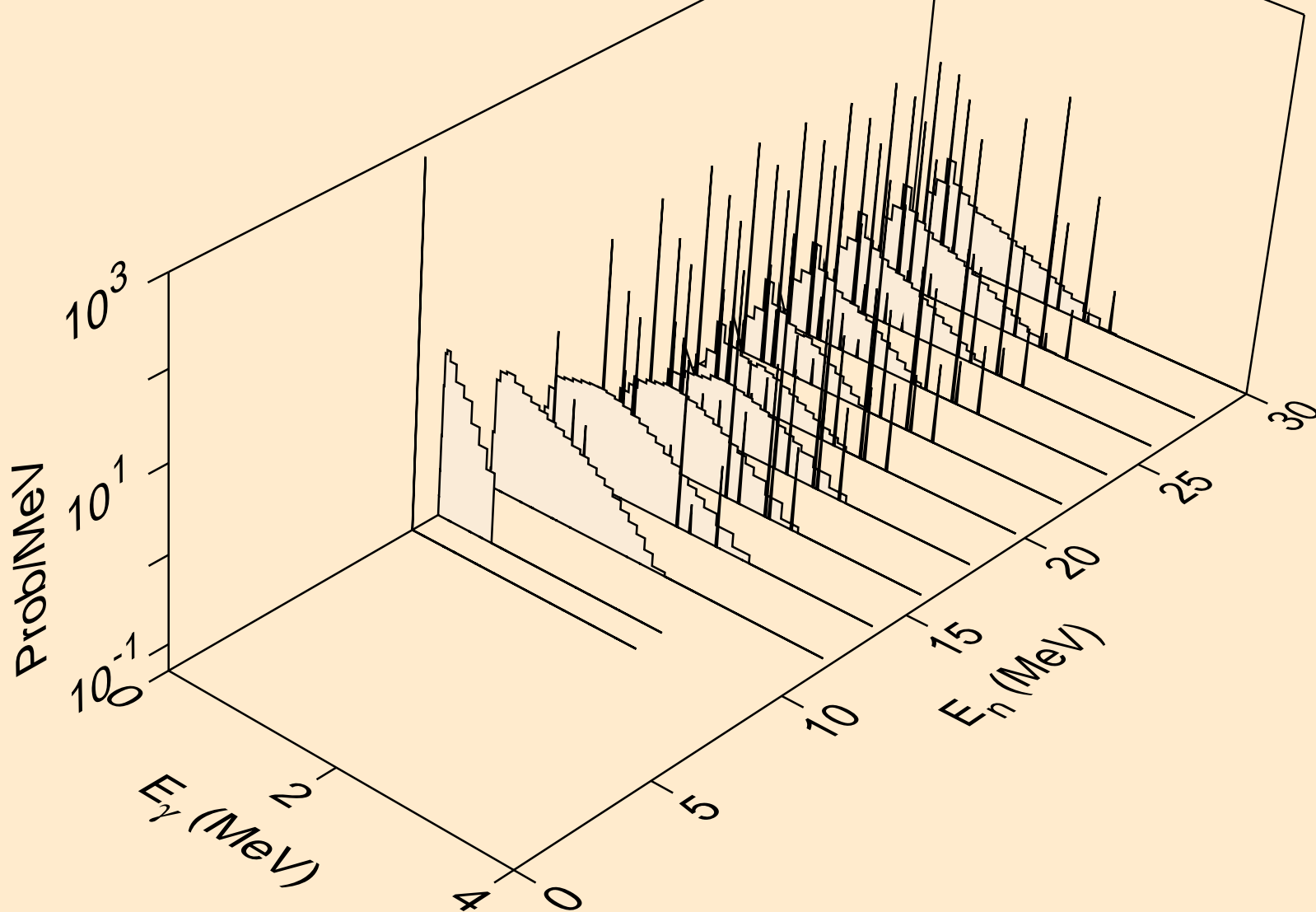


GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a

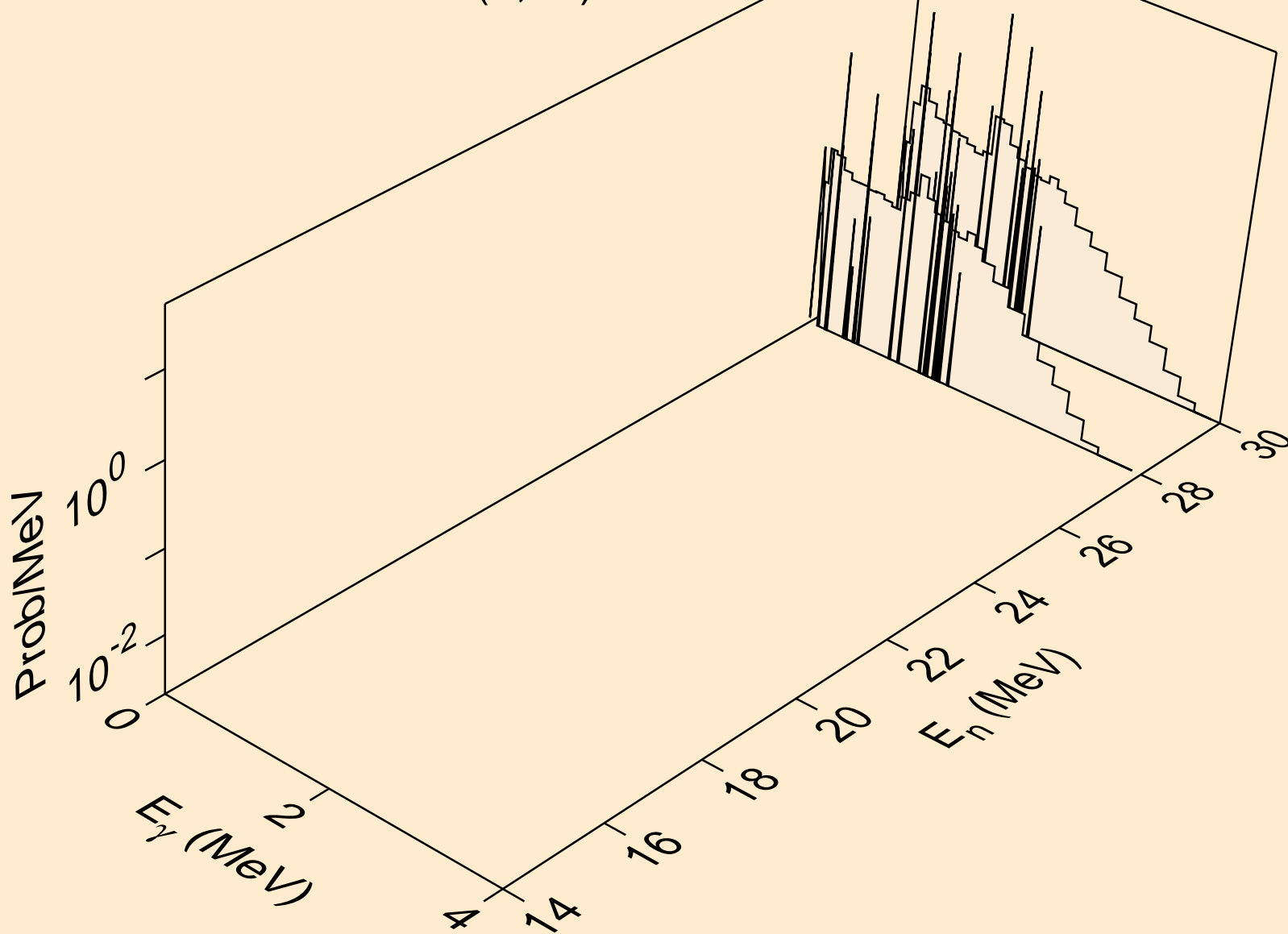




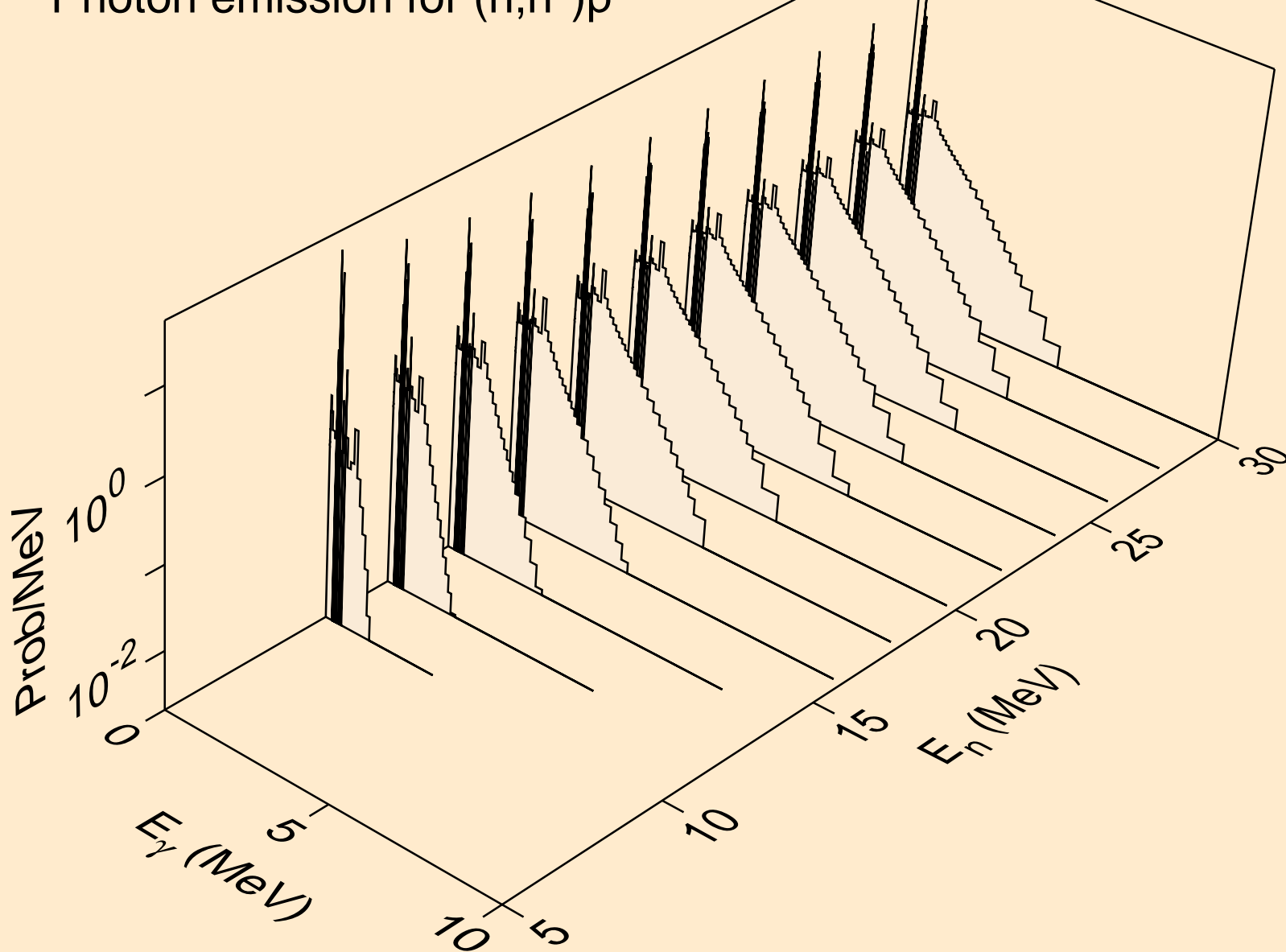
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a



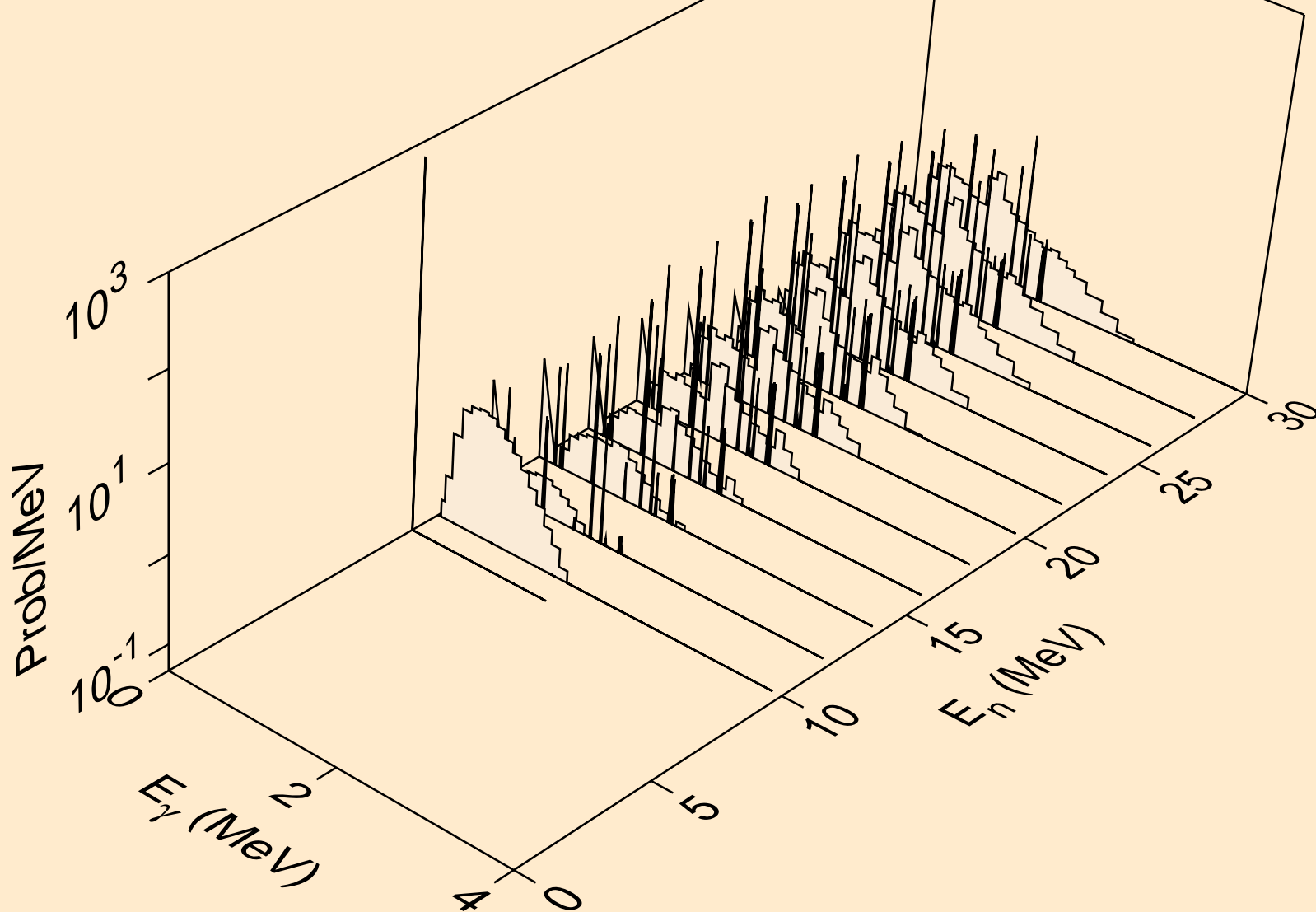
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a



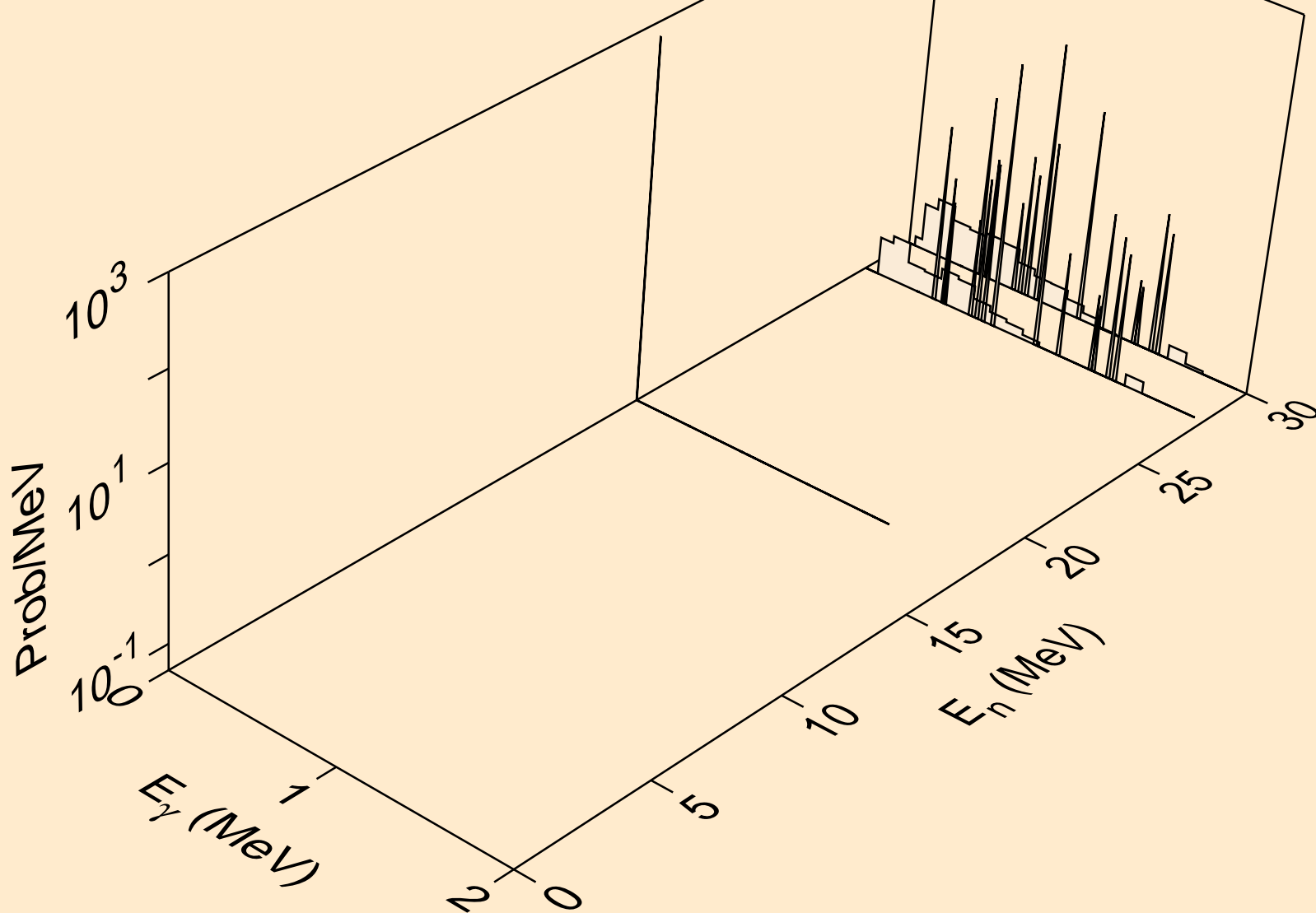
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p



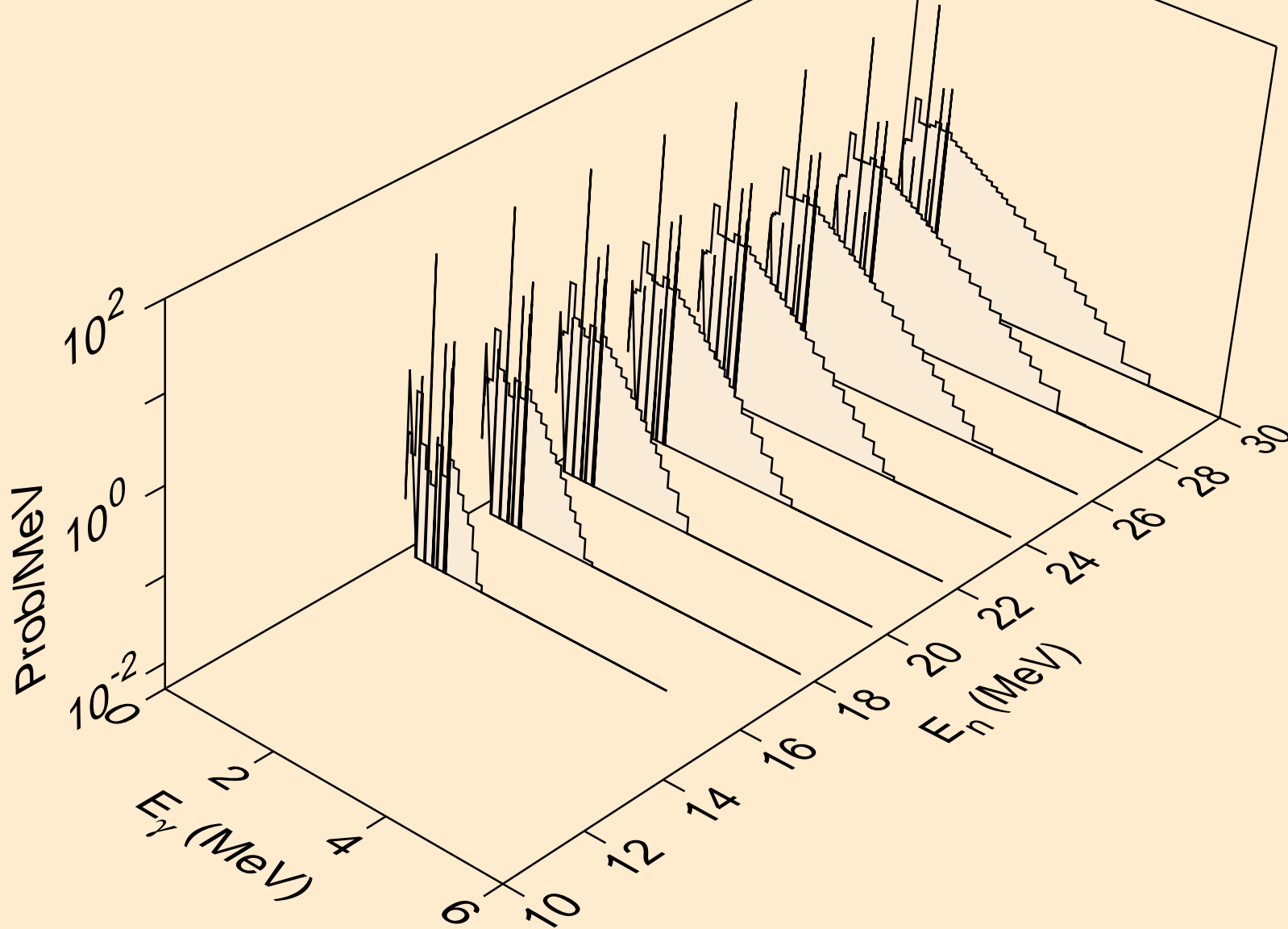
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)2a



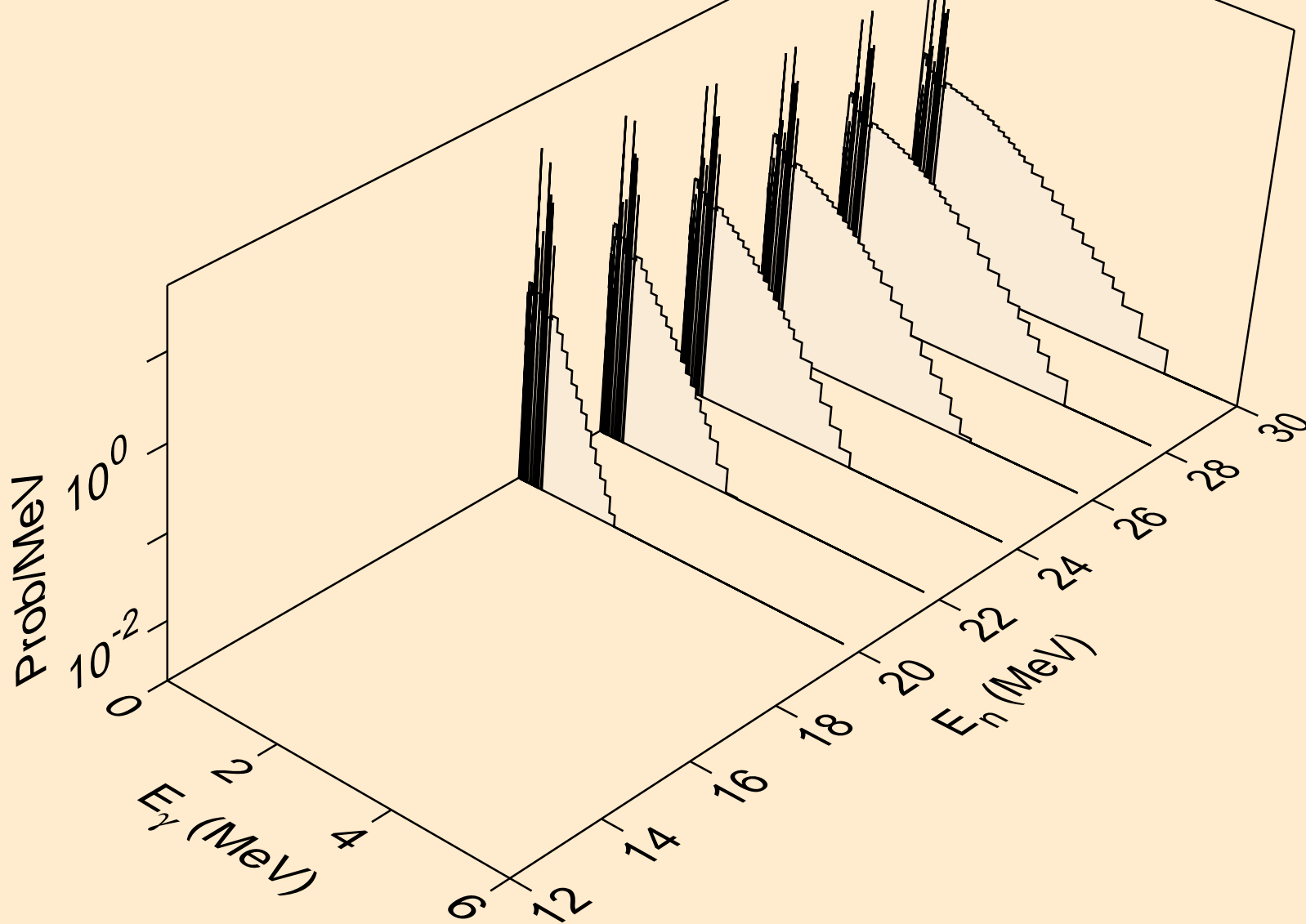
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)2a



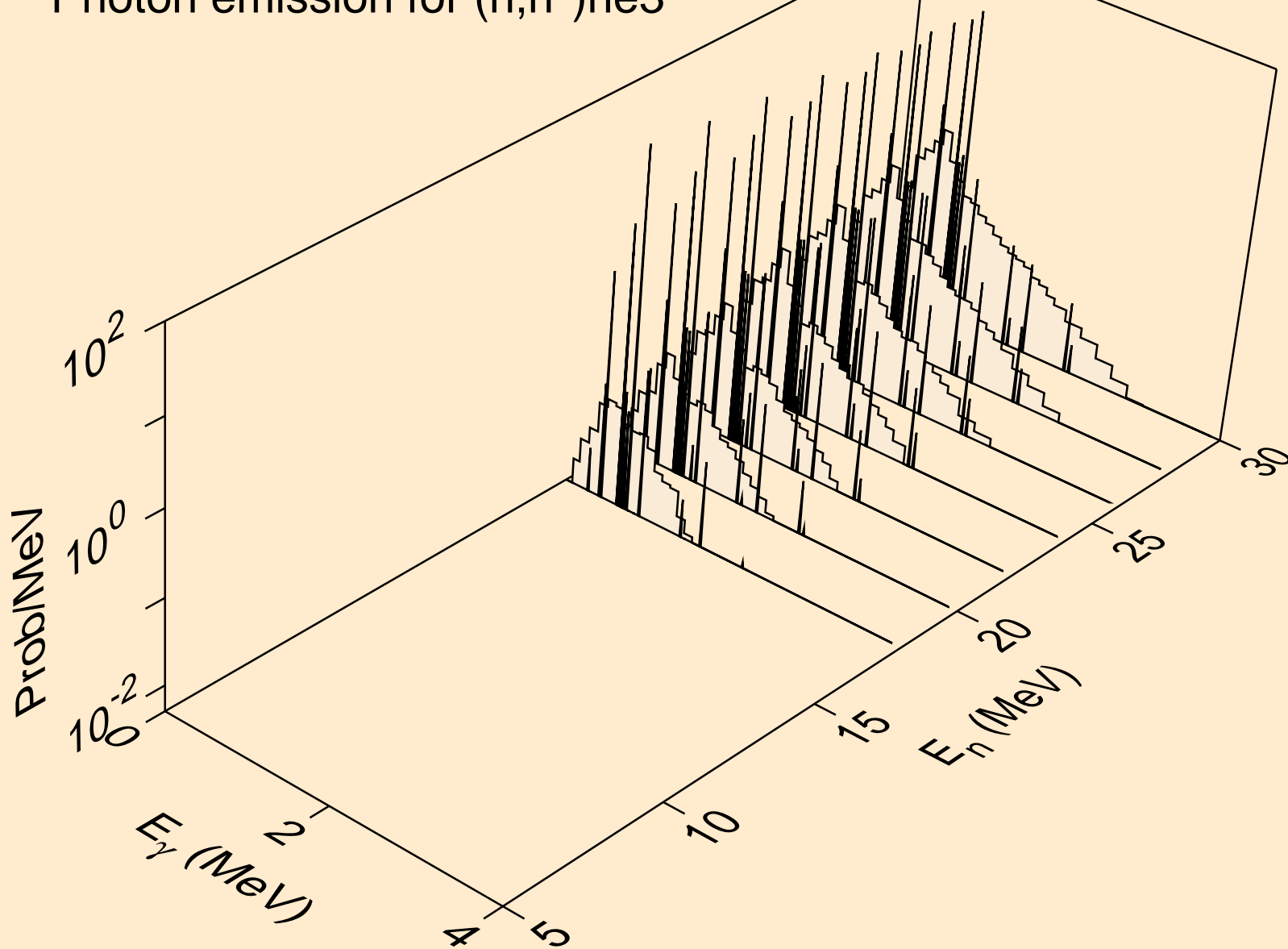
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d



GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t

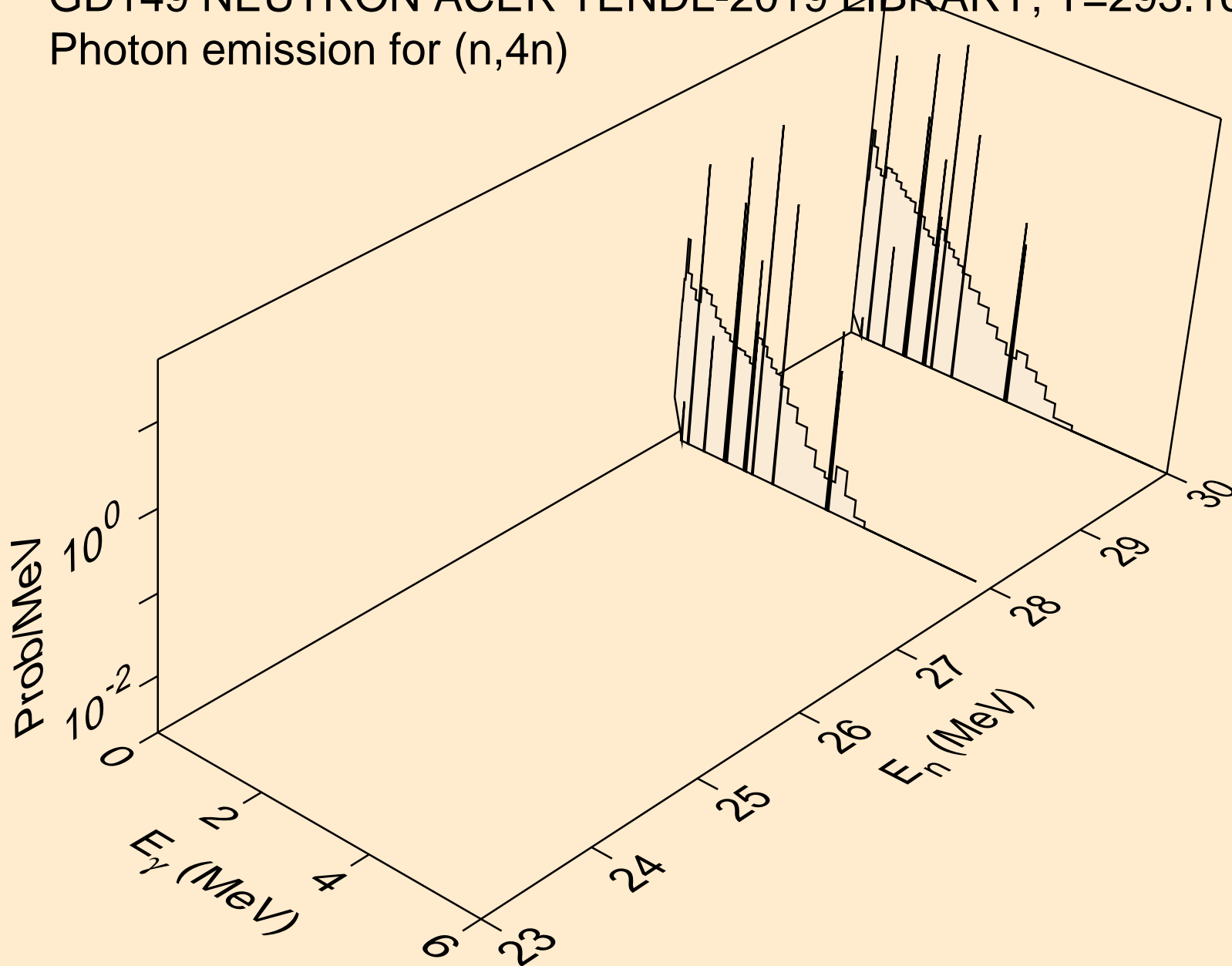


GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3

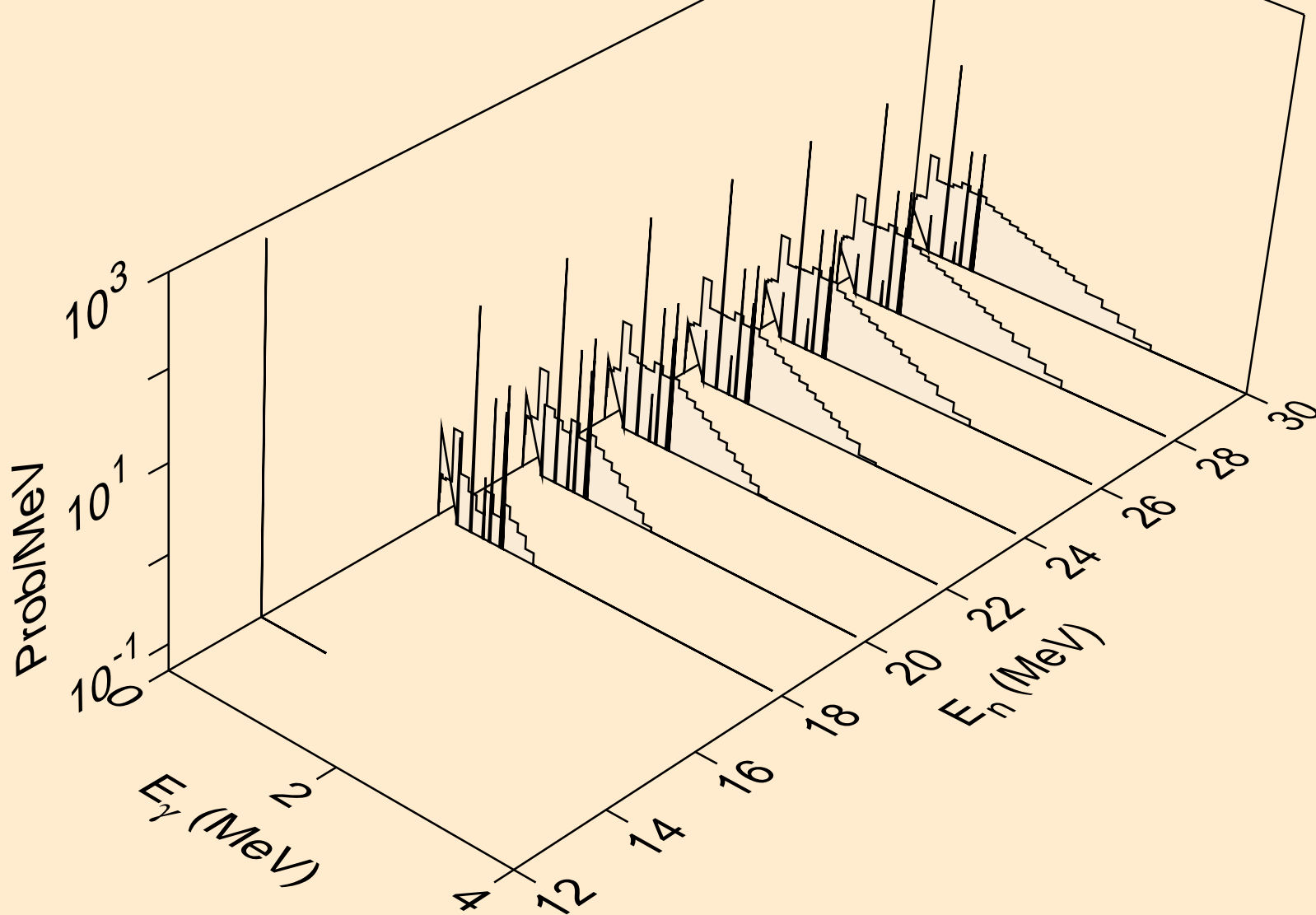




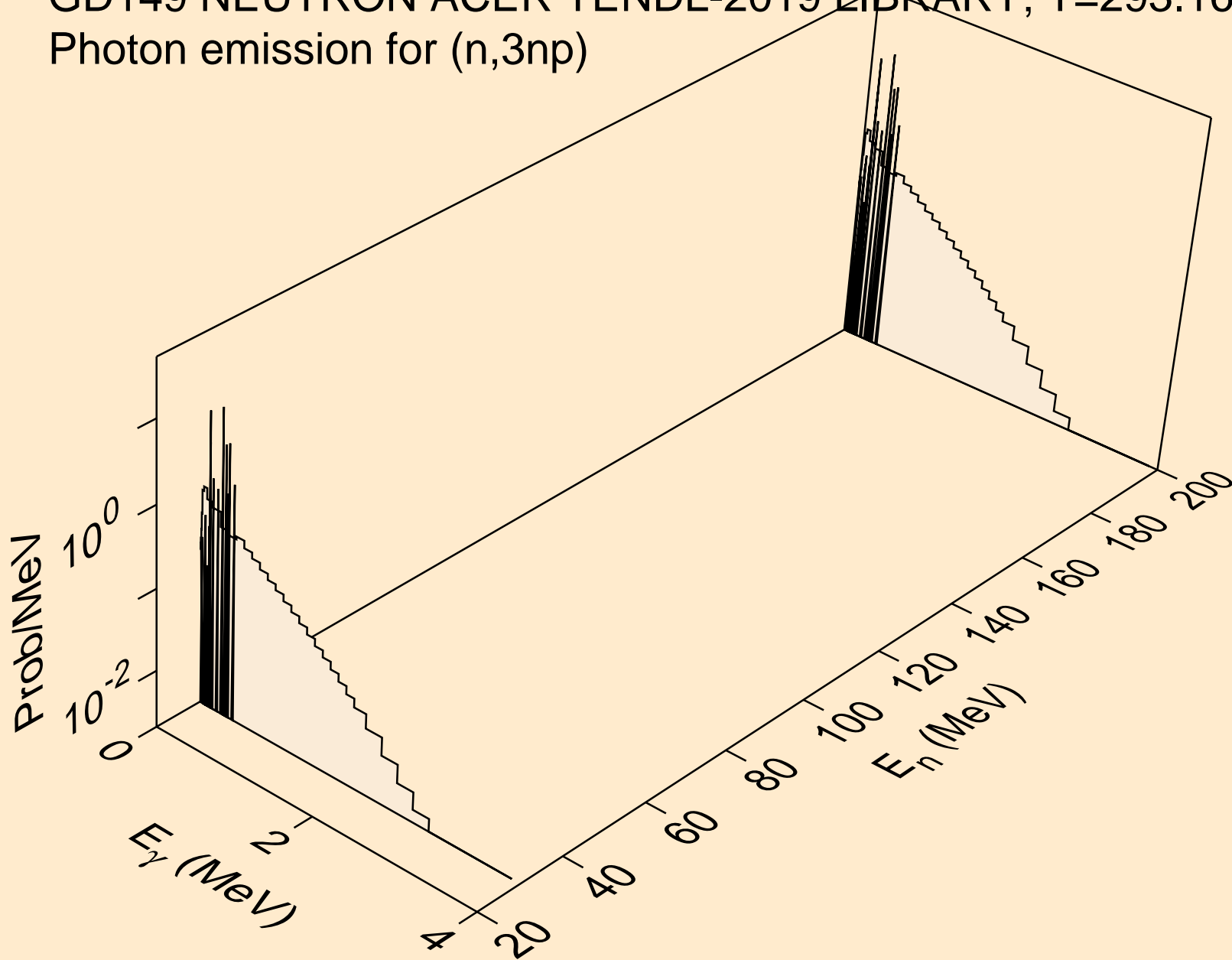
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)



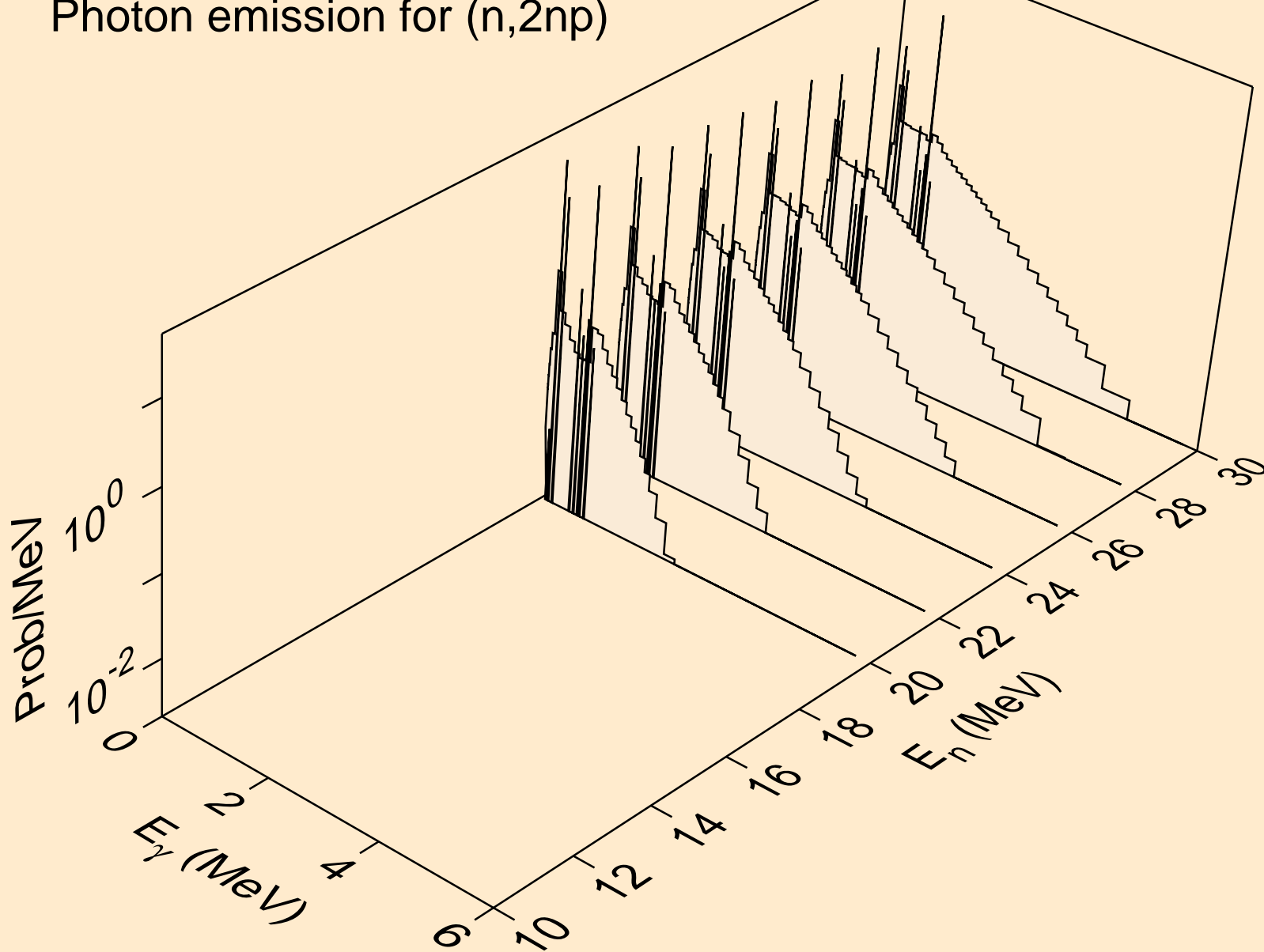
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



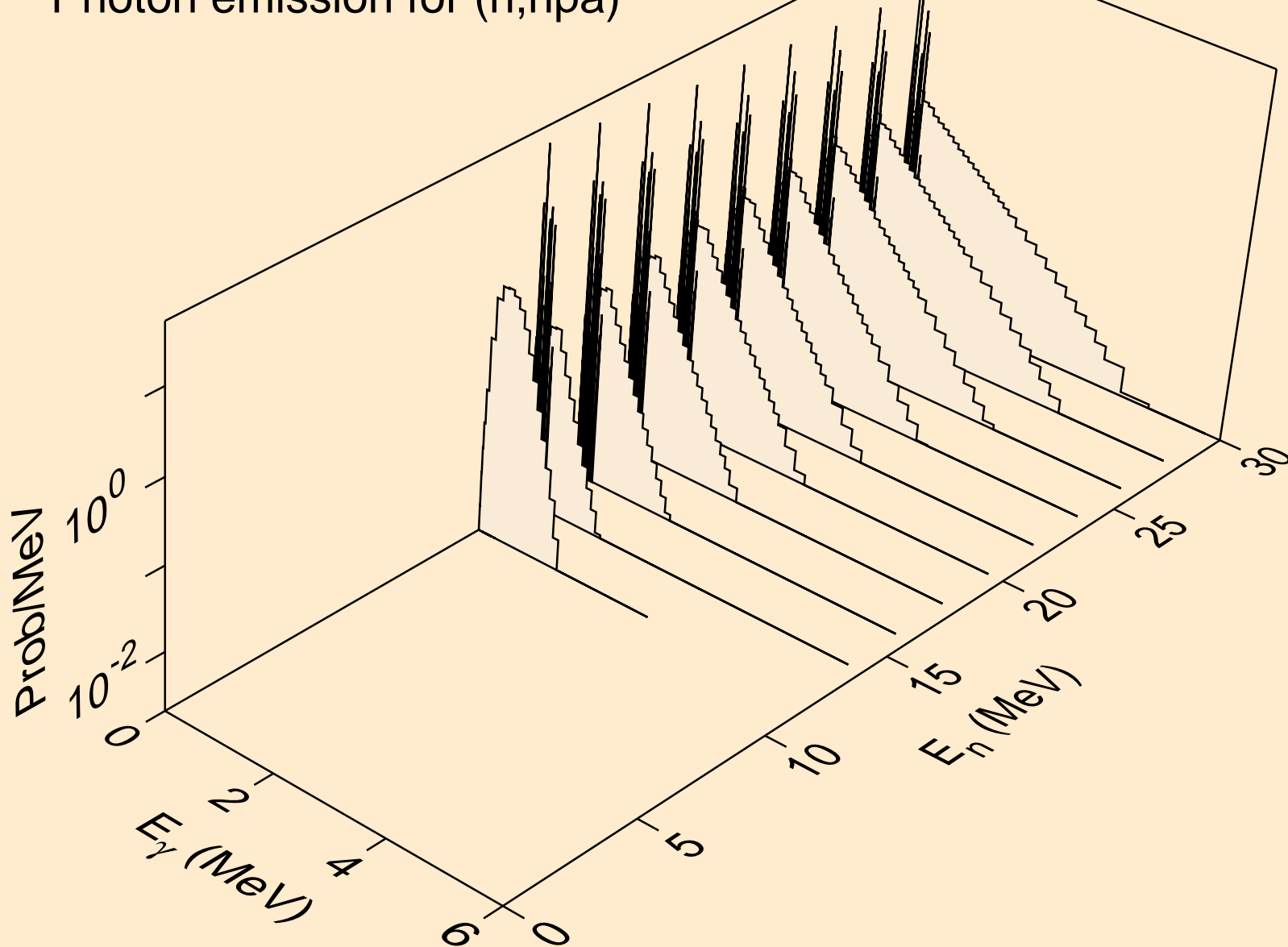
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)



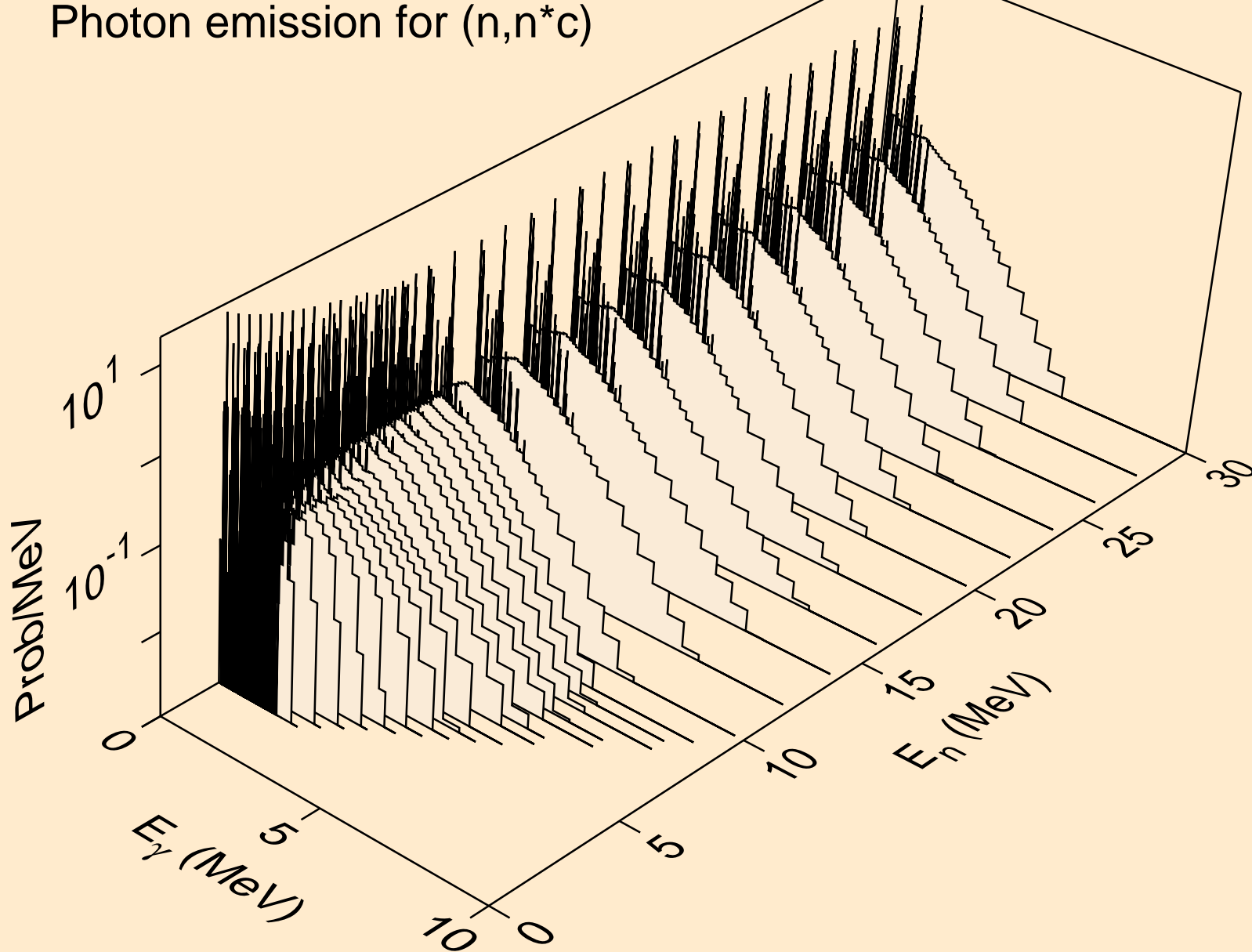
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



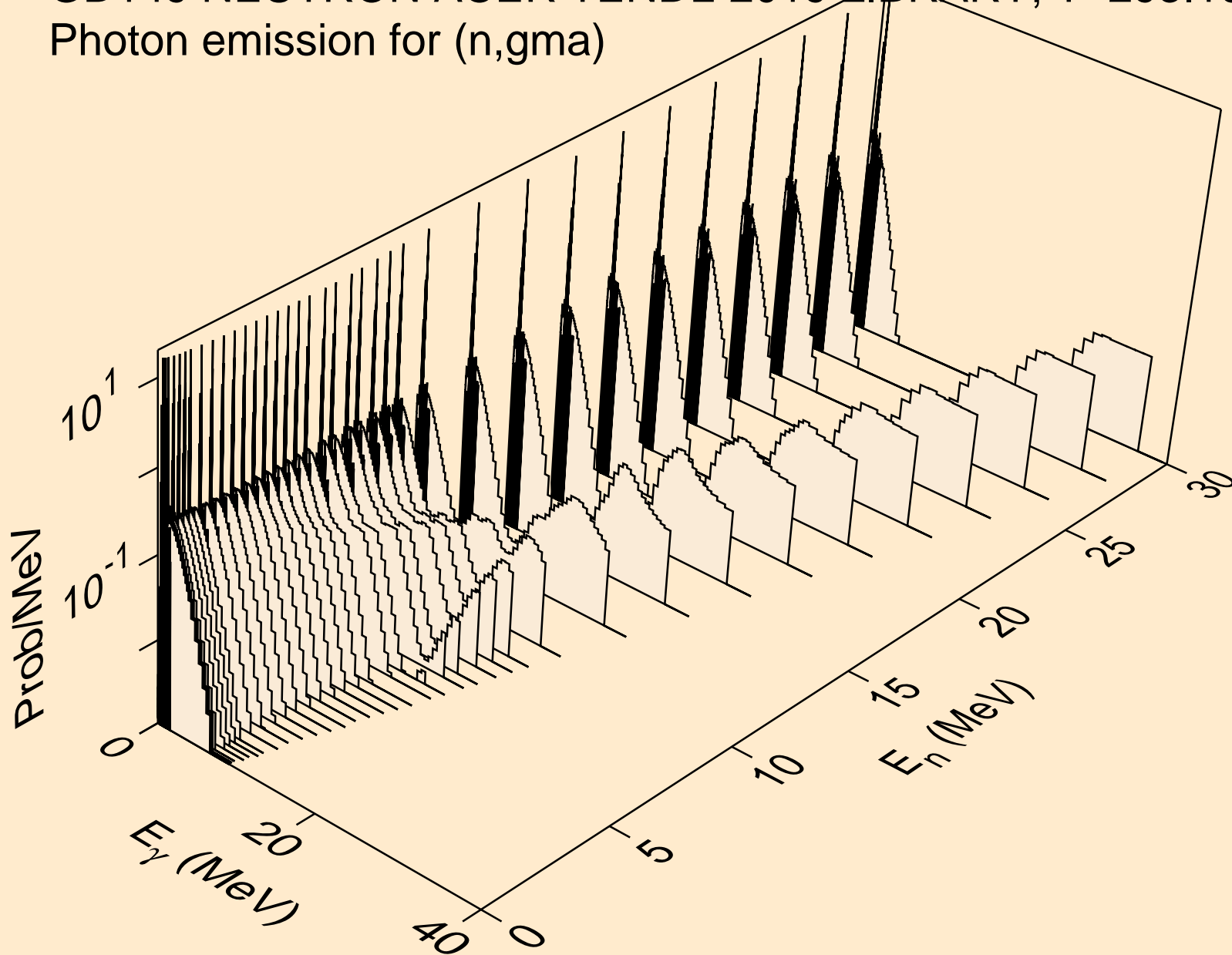
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)



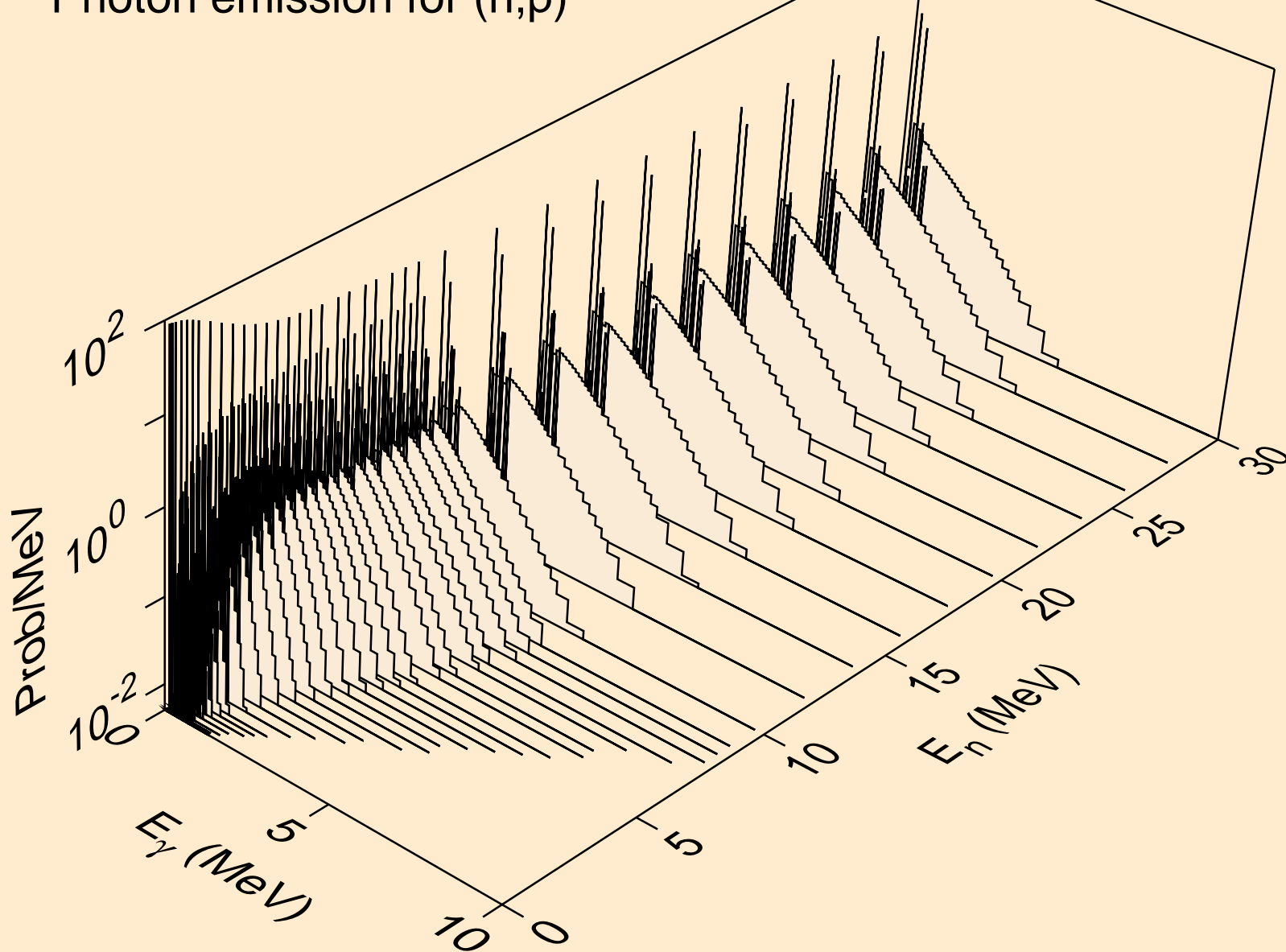
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)

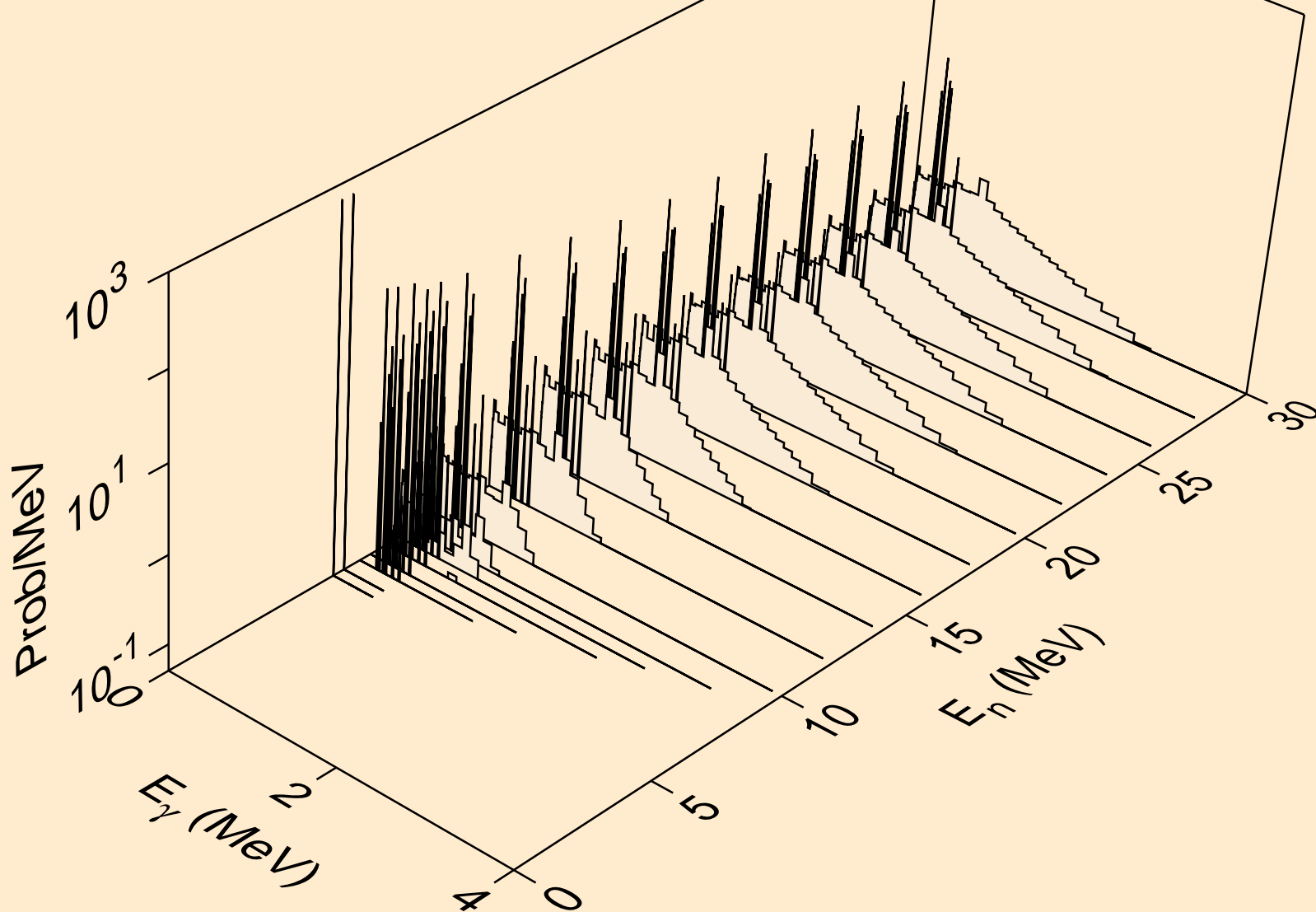


GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)

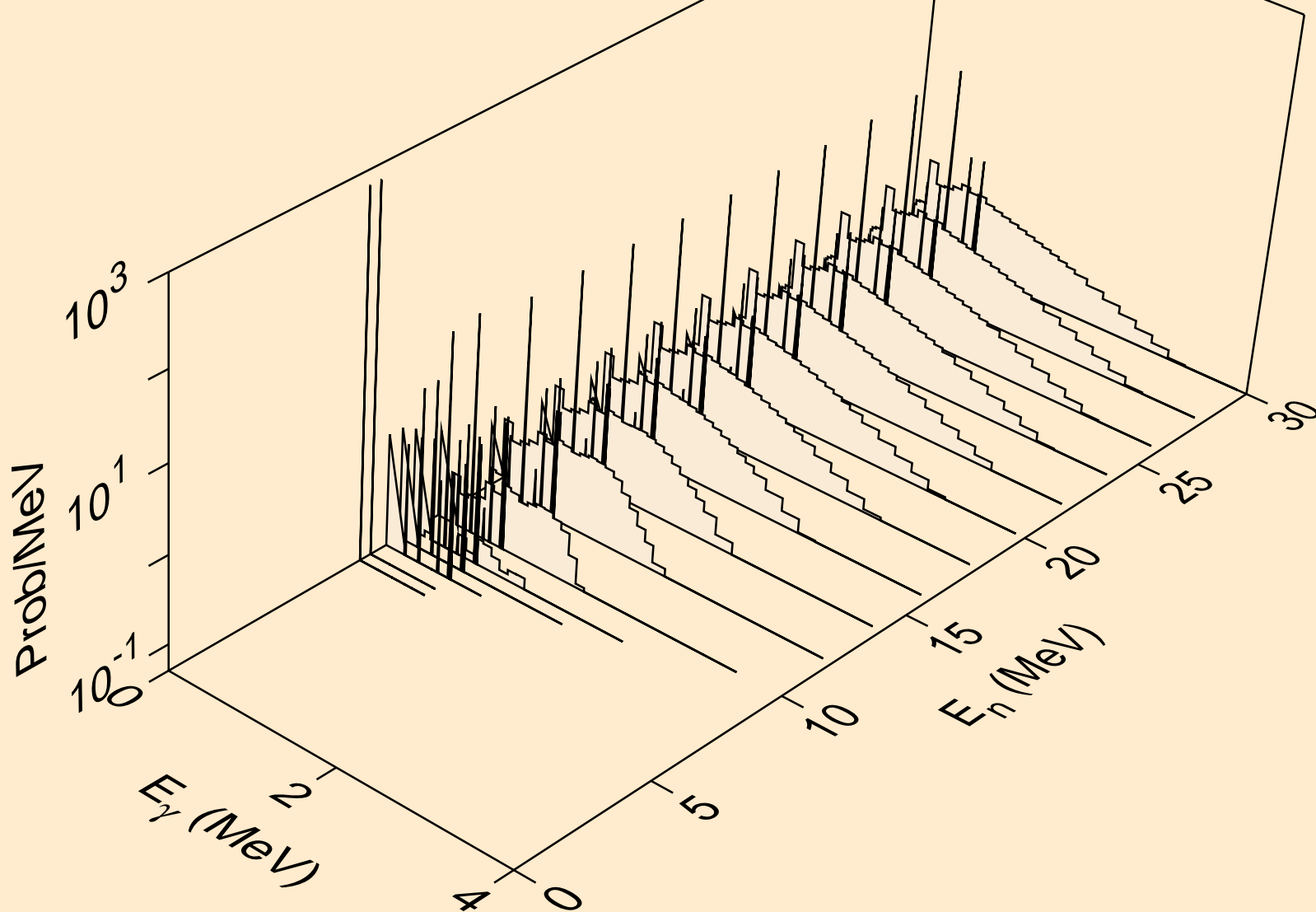




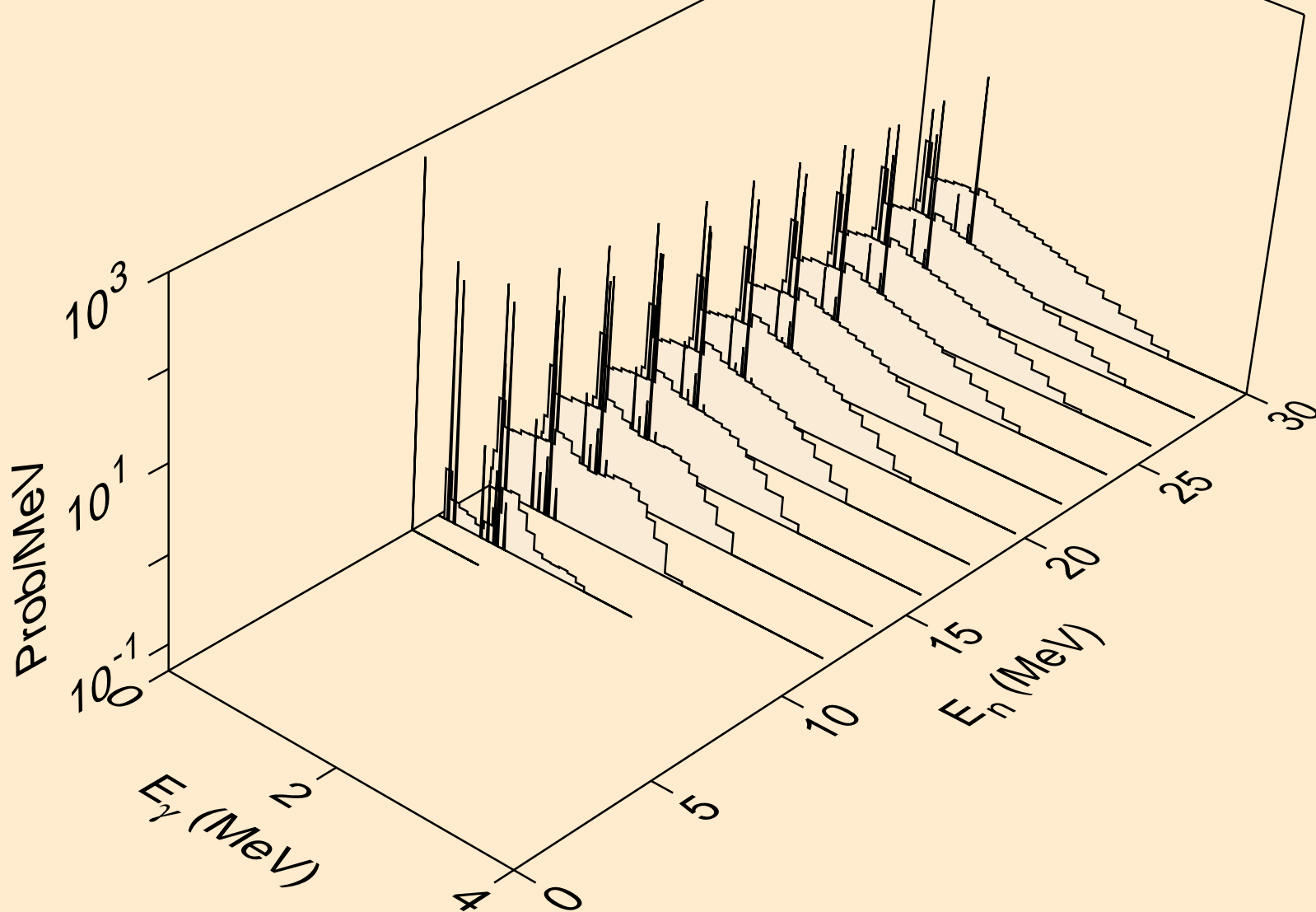
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)



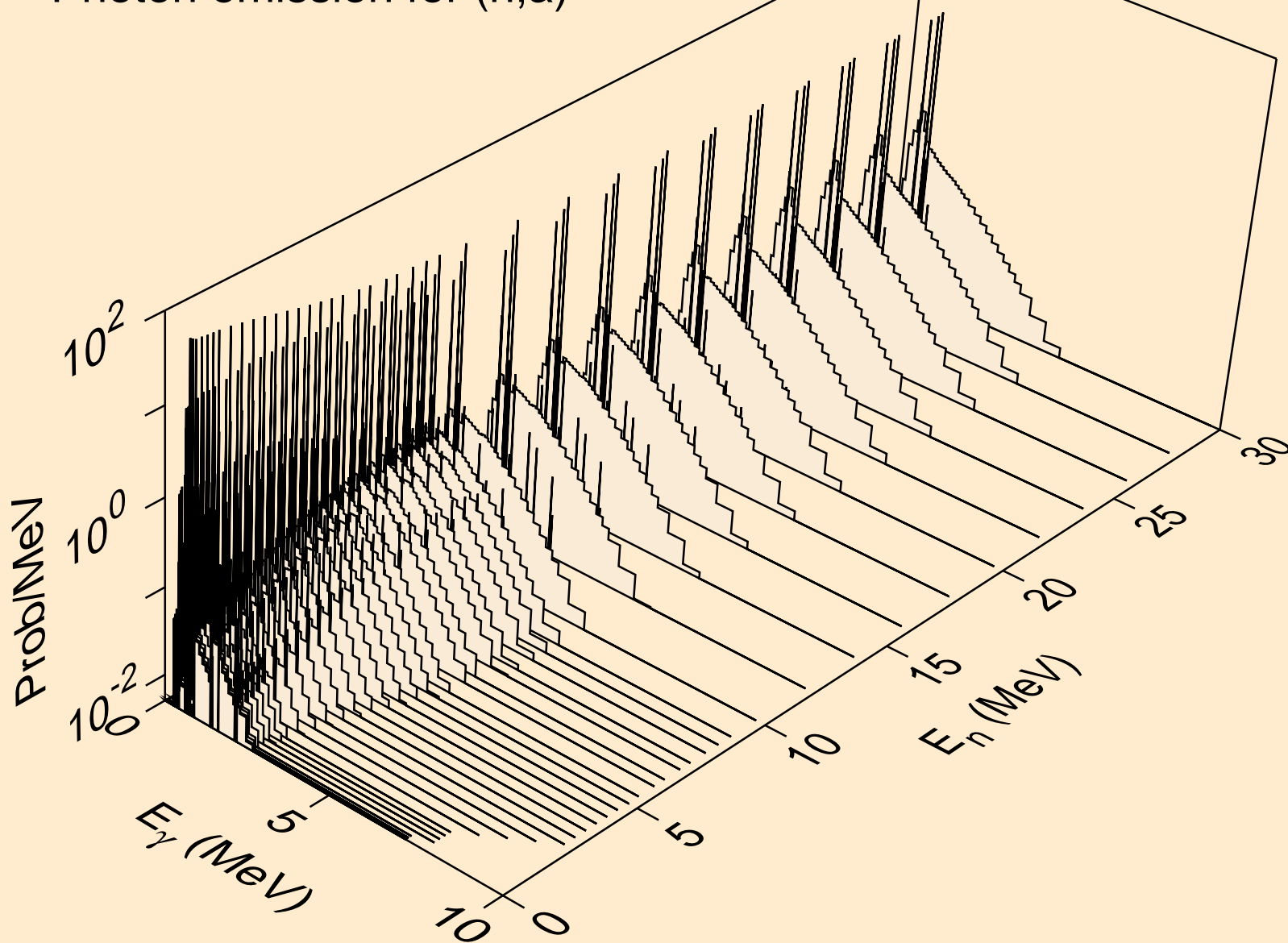
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



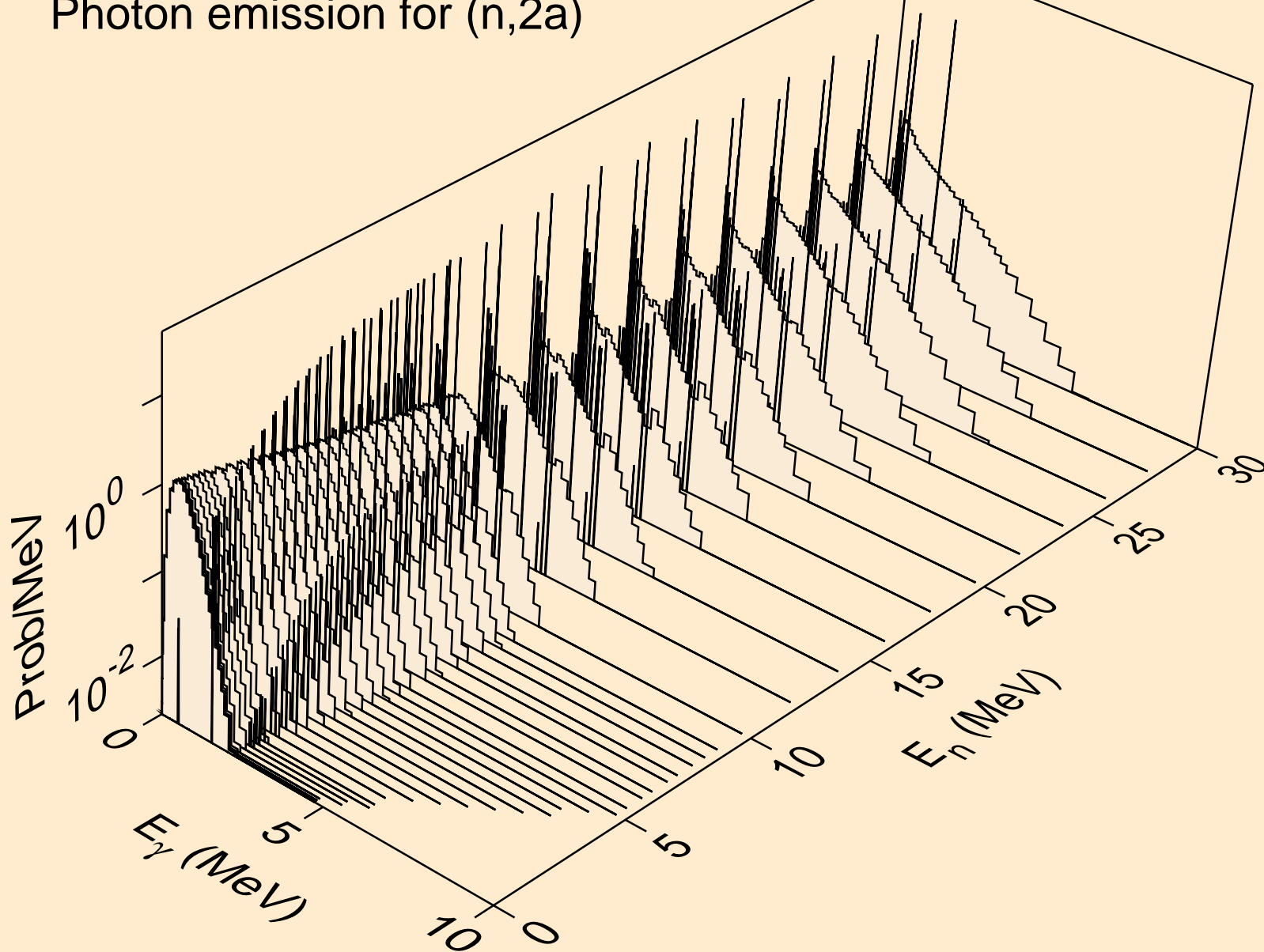
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)



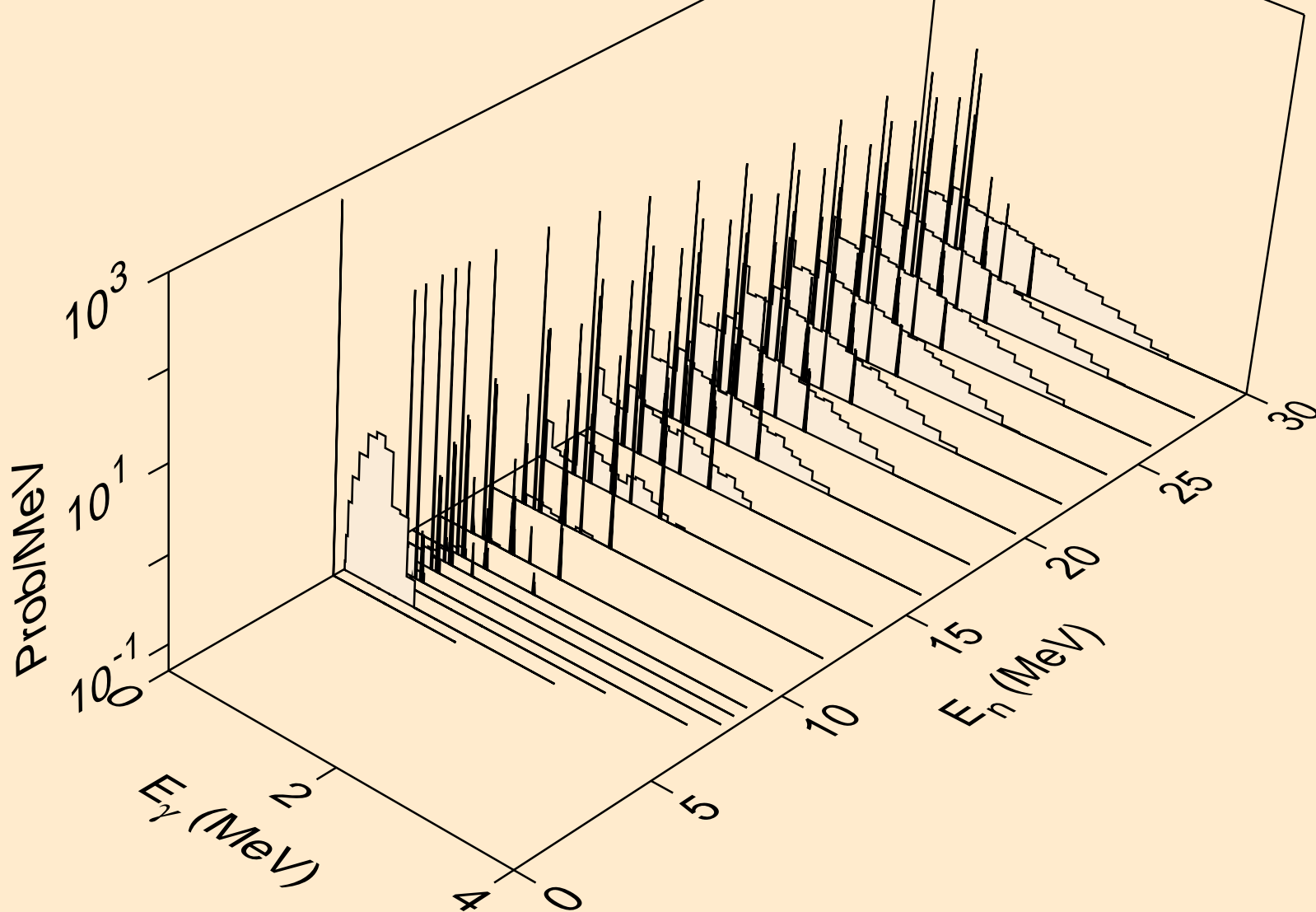
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



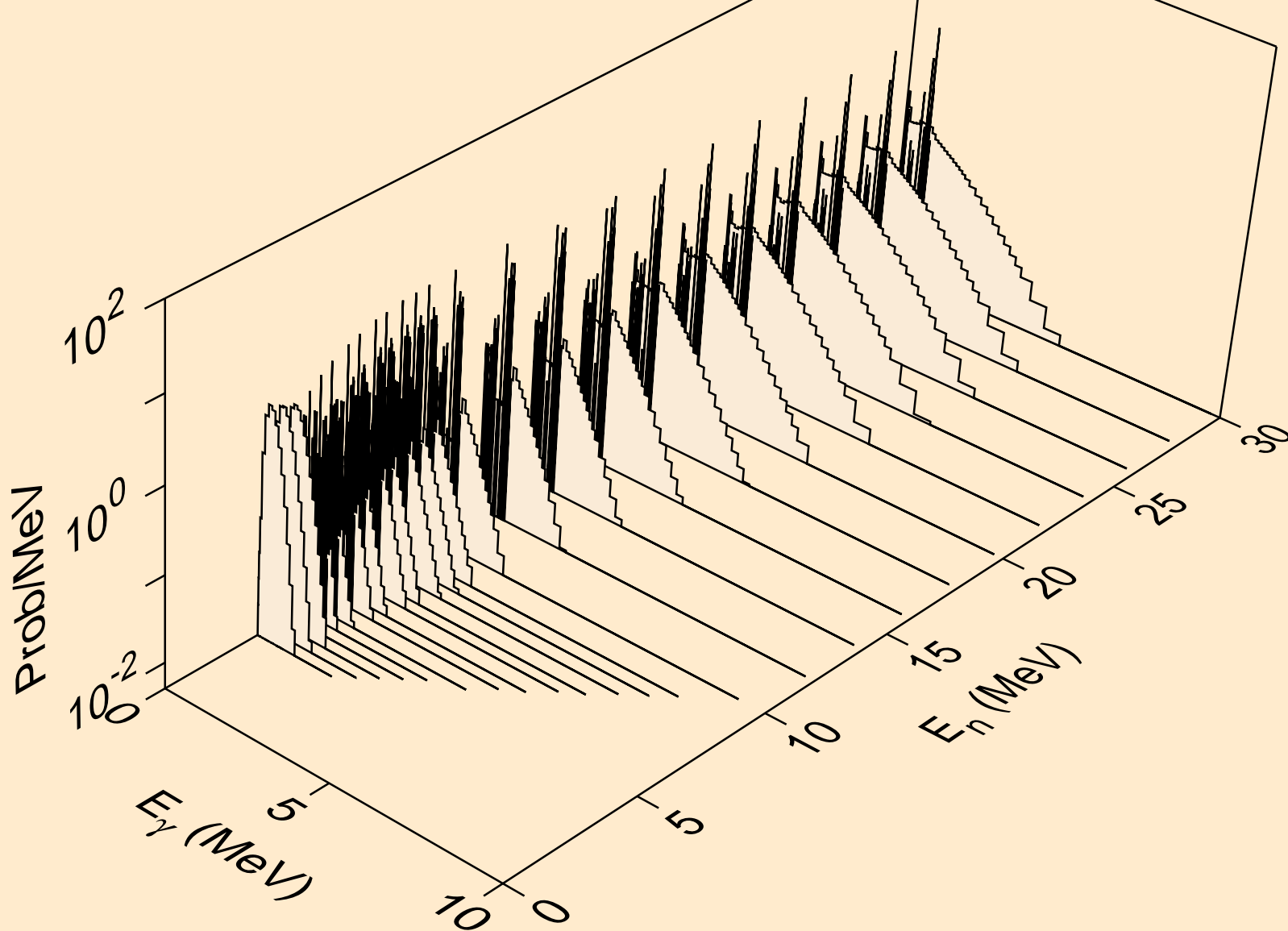
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2a)



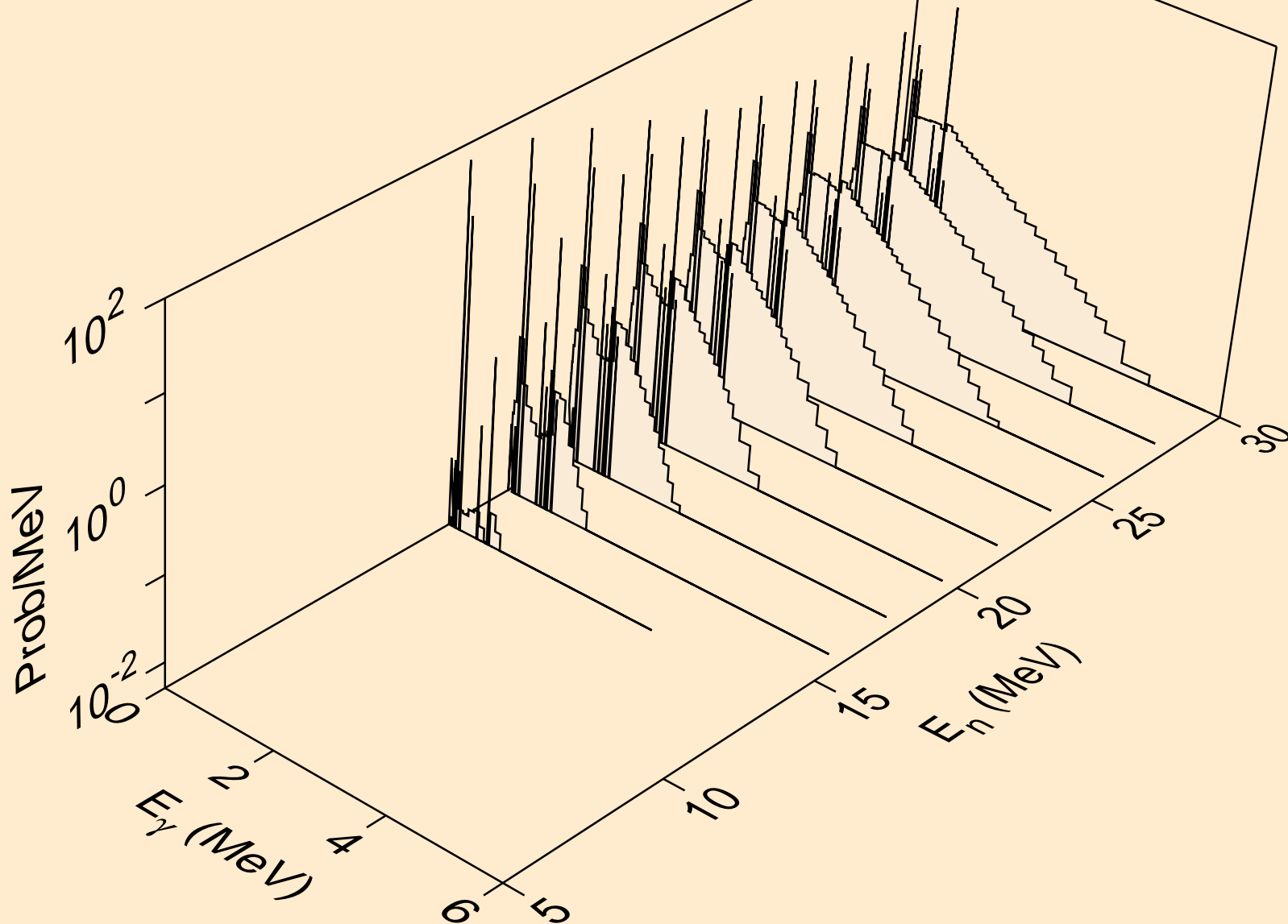
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)



GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p $\alpha$ )

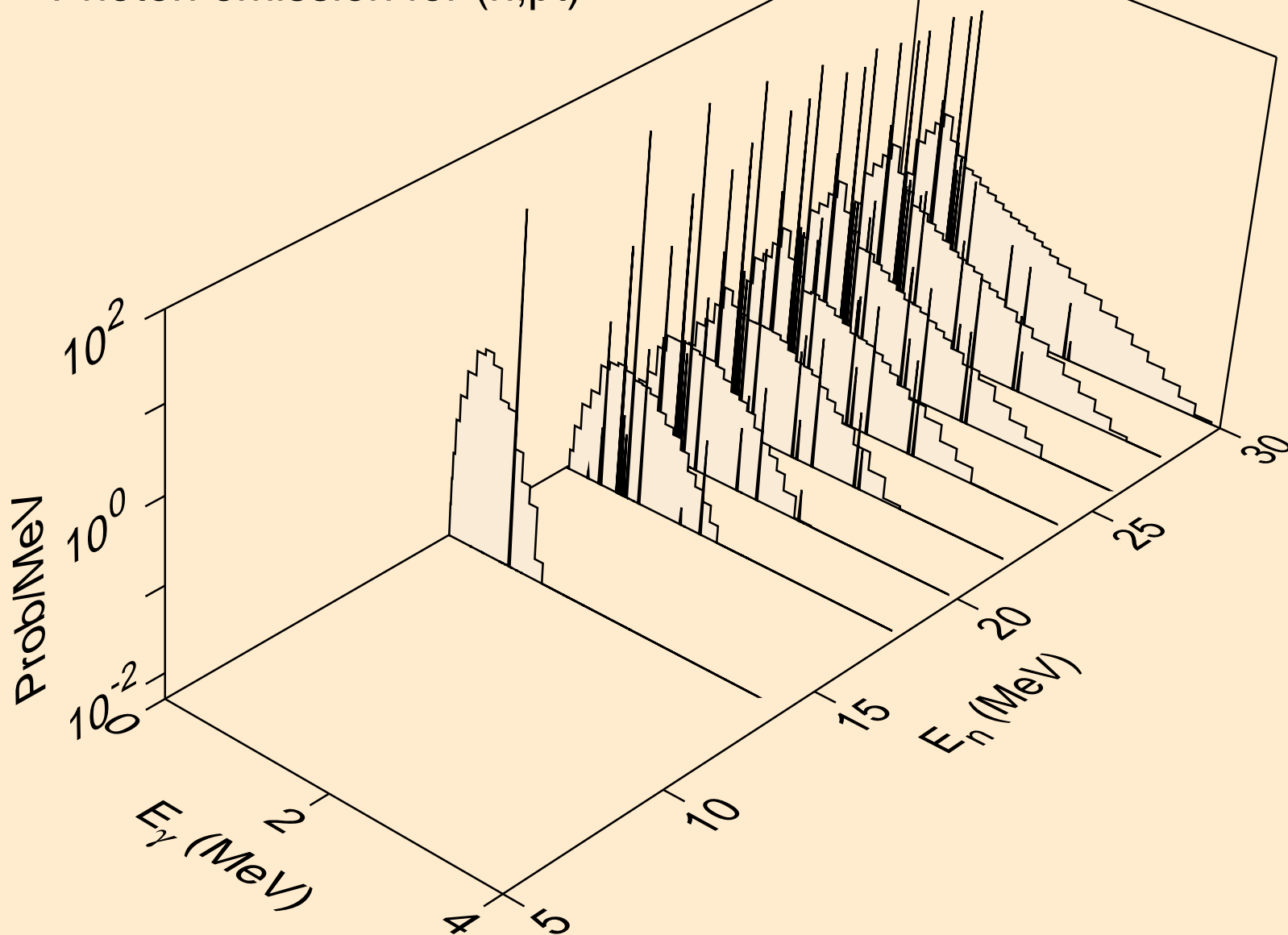


GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)

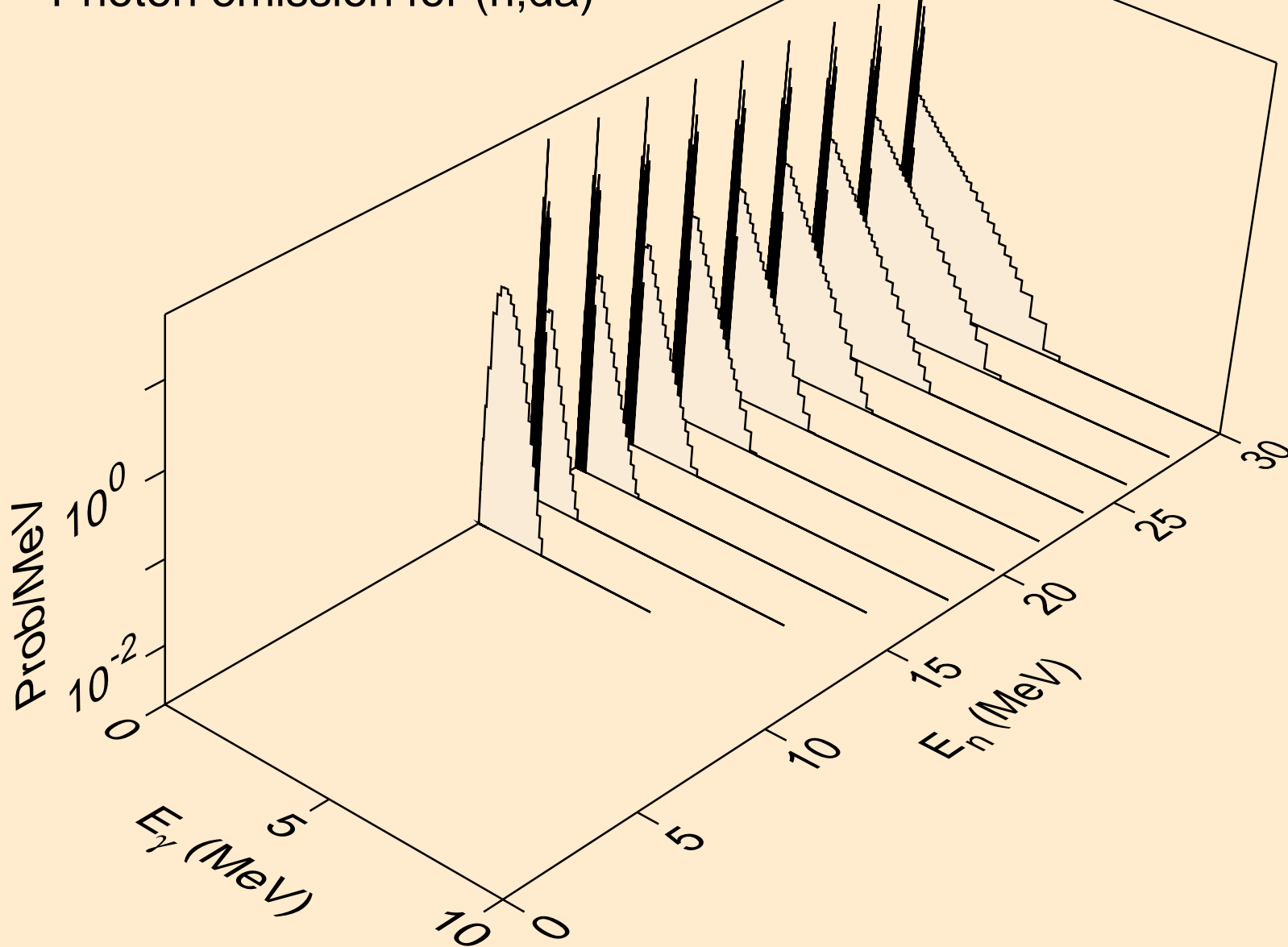




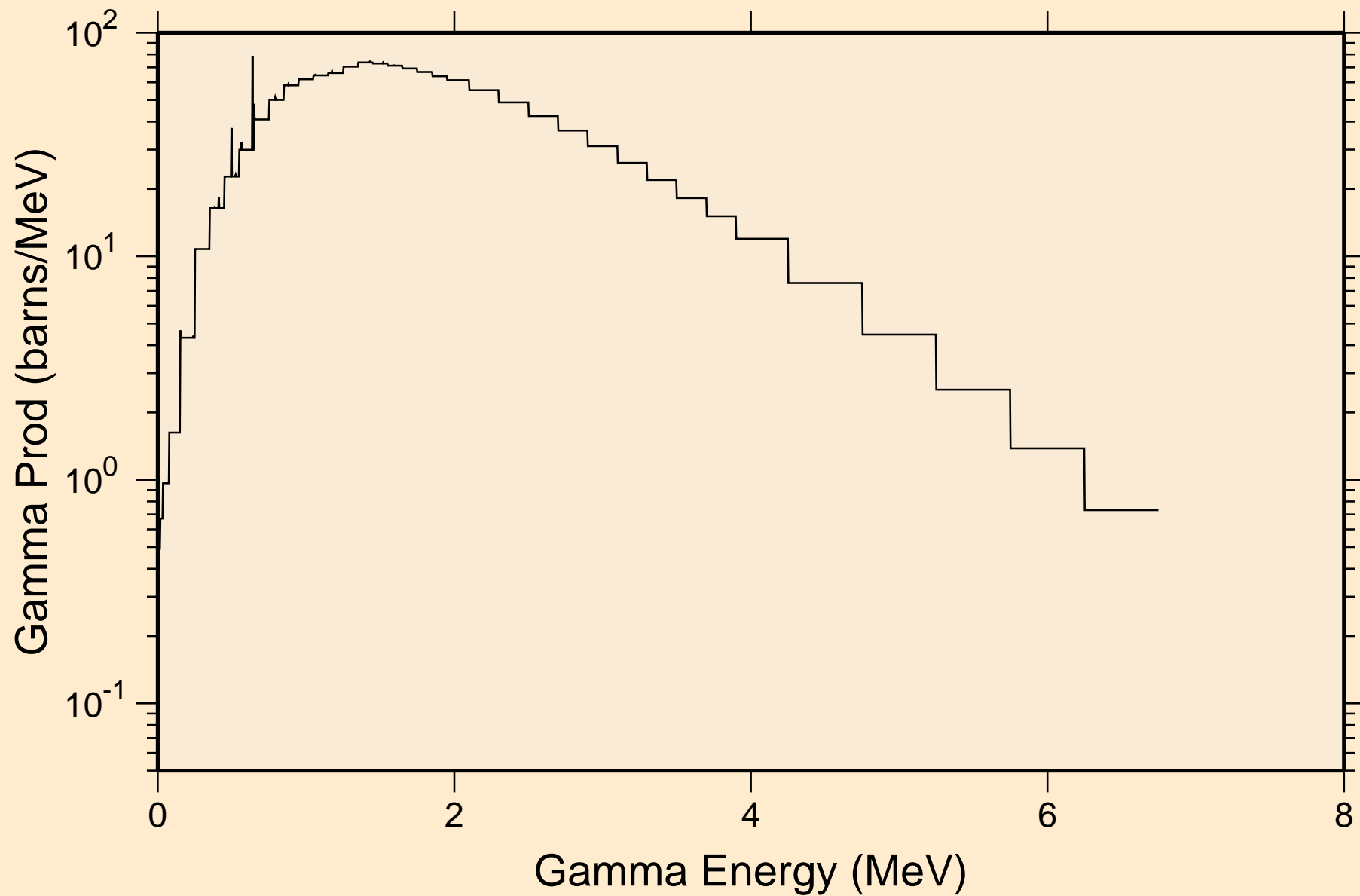
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pt)



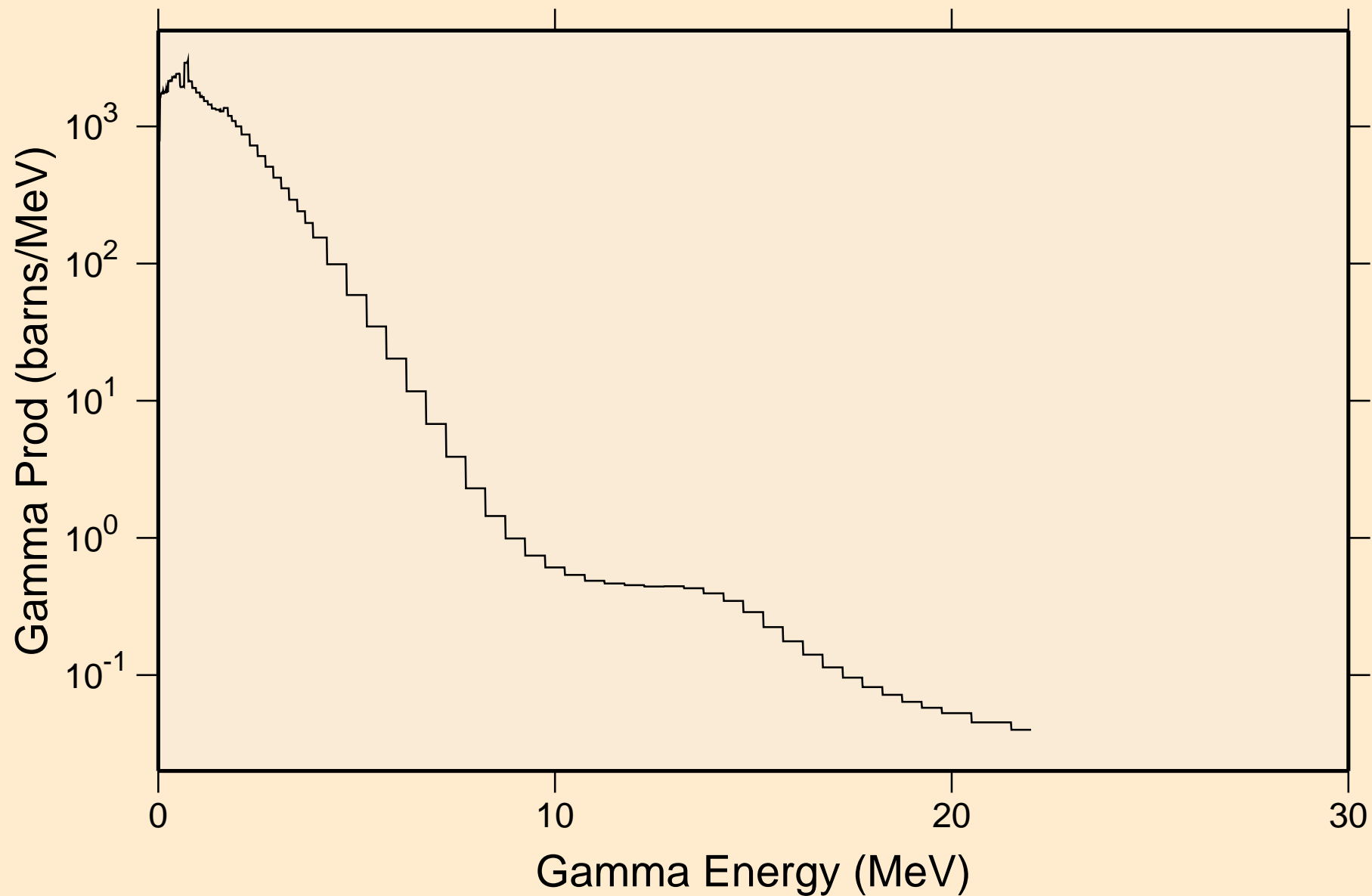
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)



GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

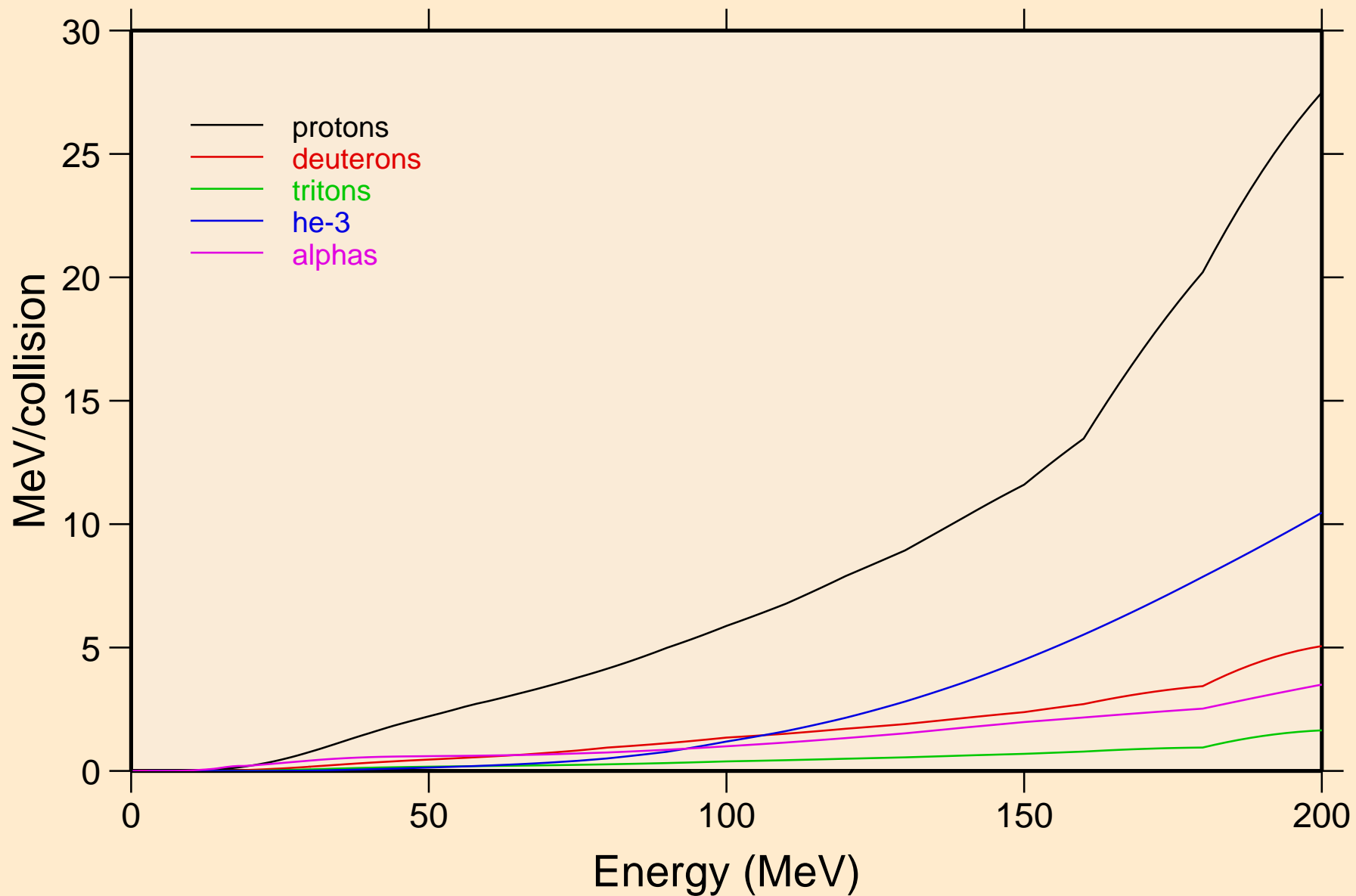


GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

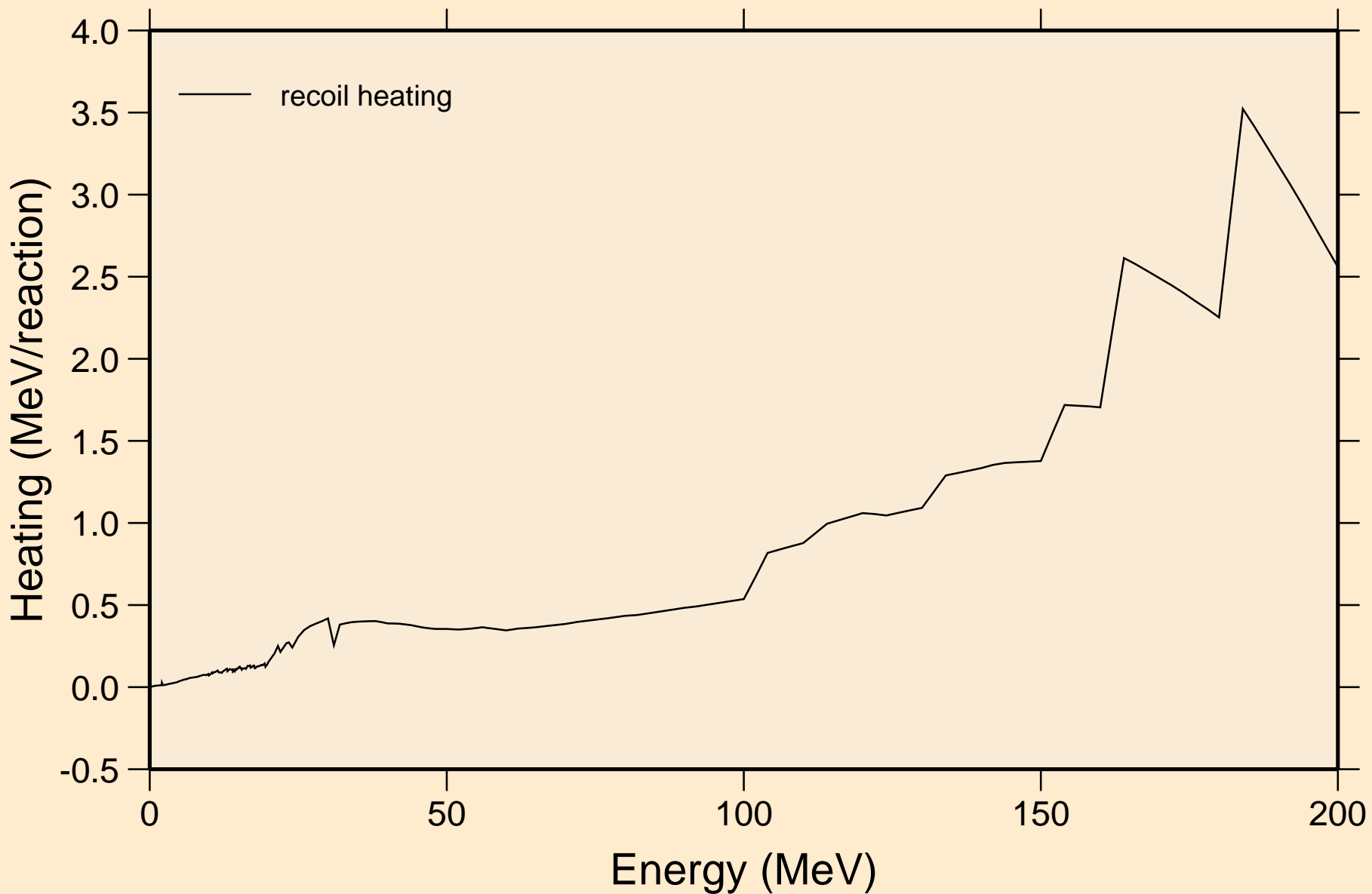


# GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Particle heating contributions

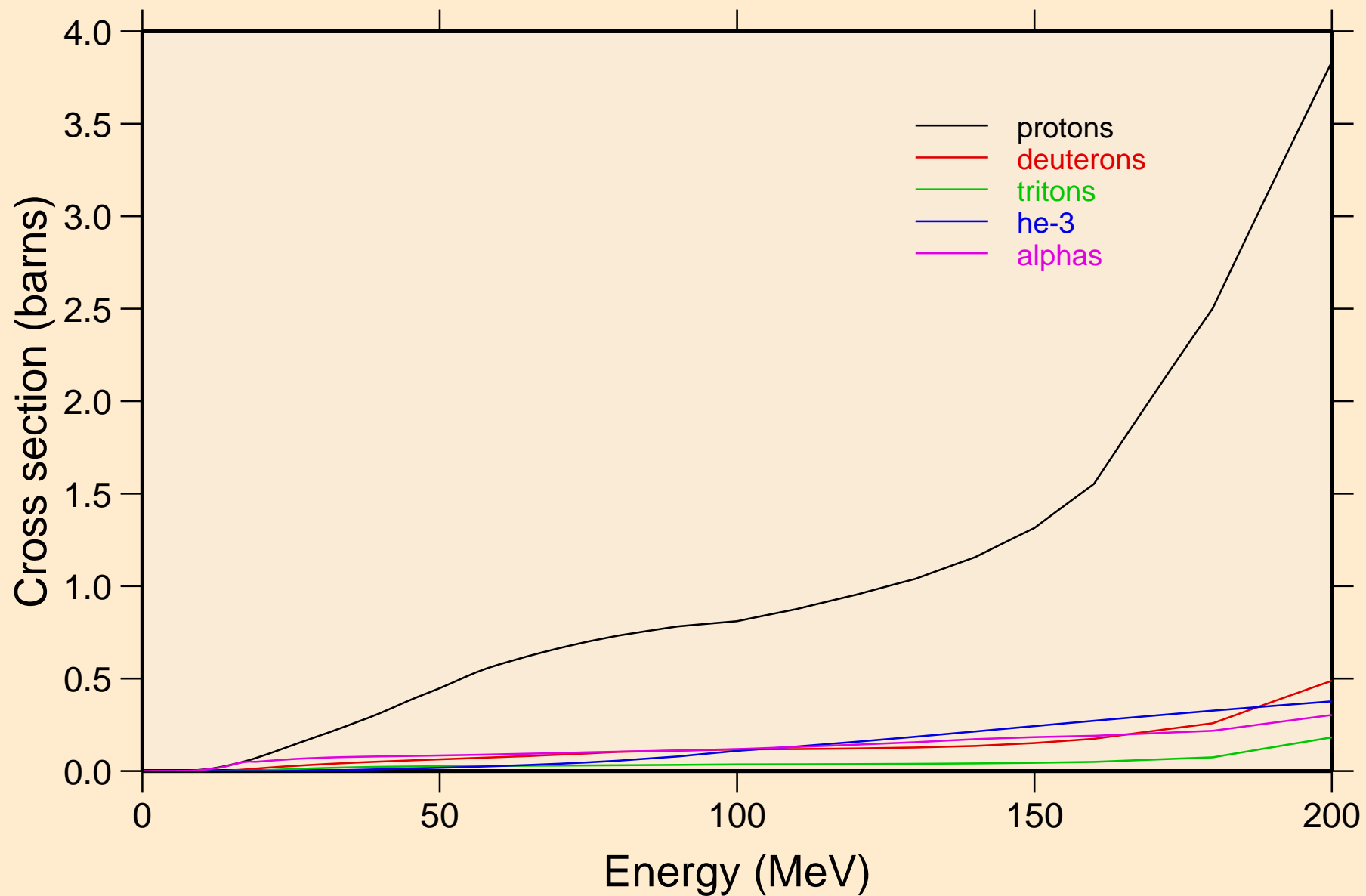


GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating

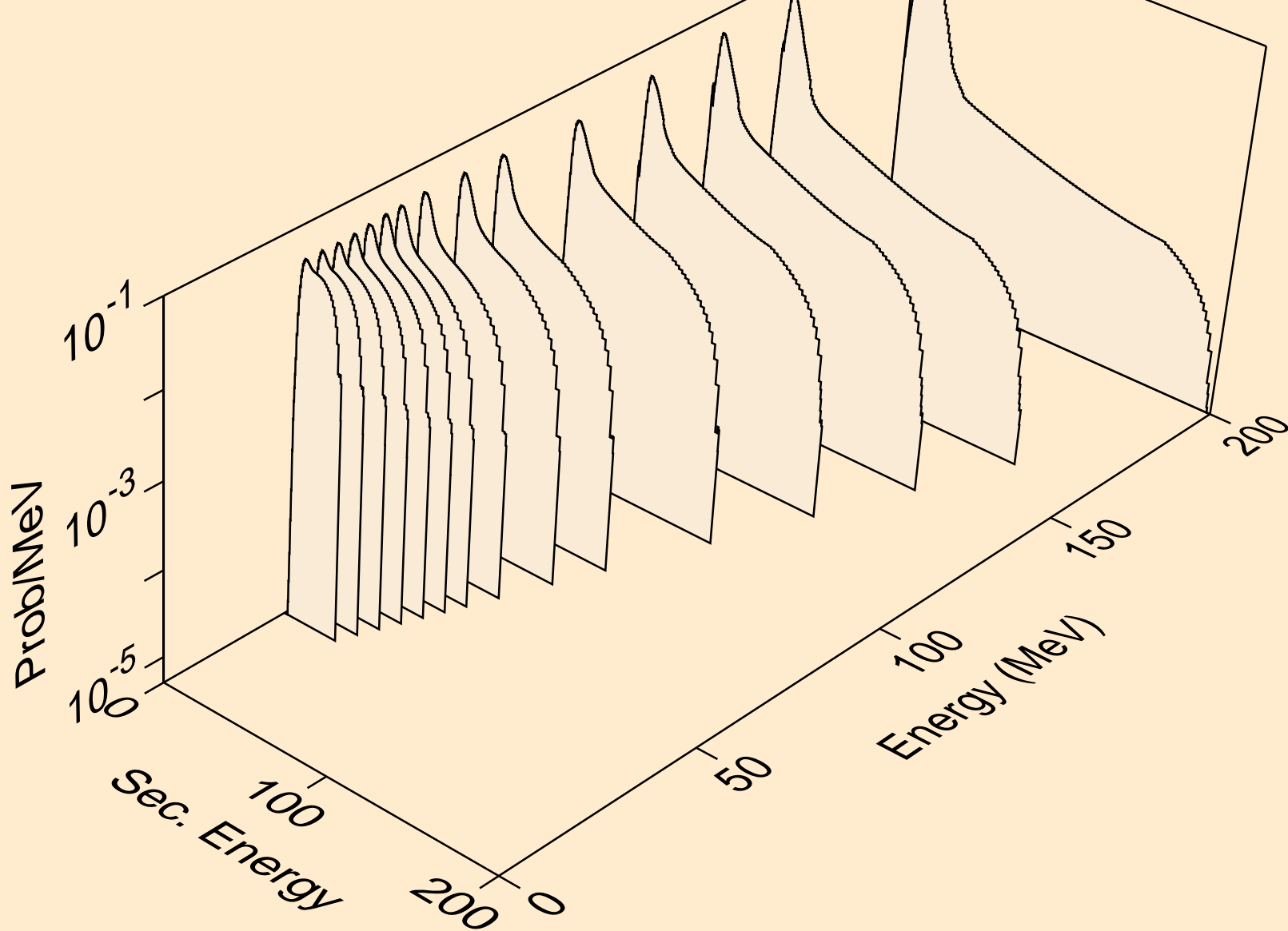


# GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Particle production cross sections

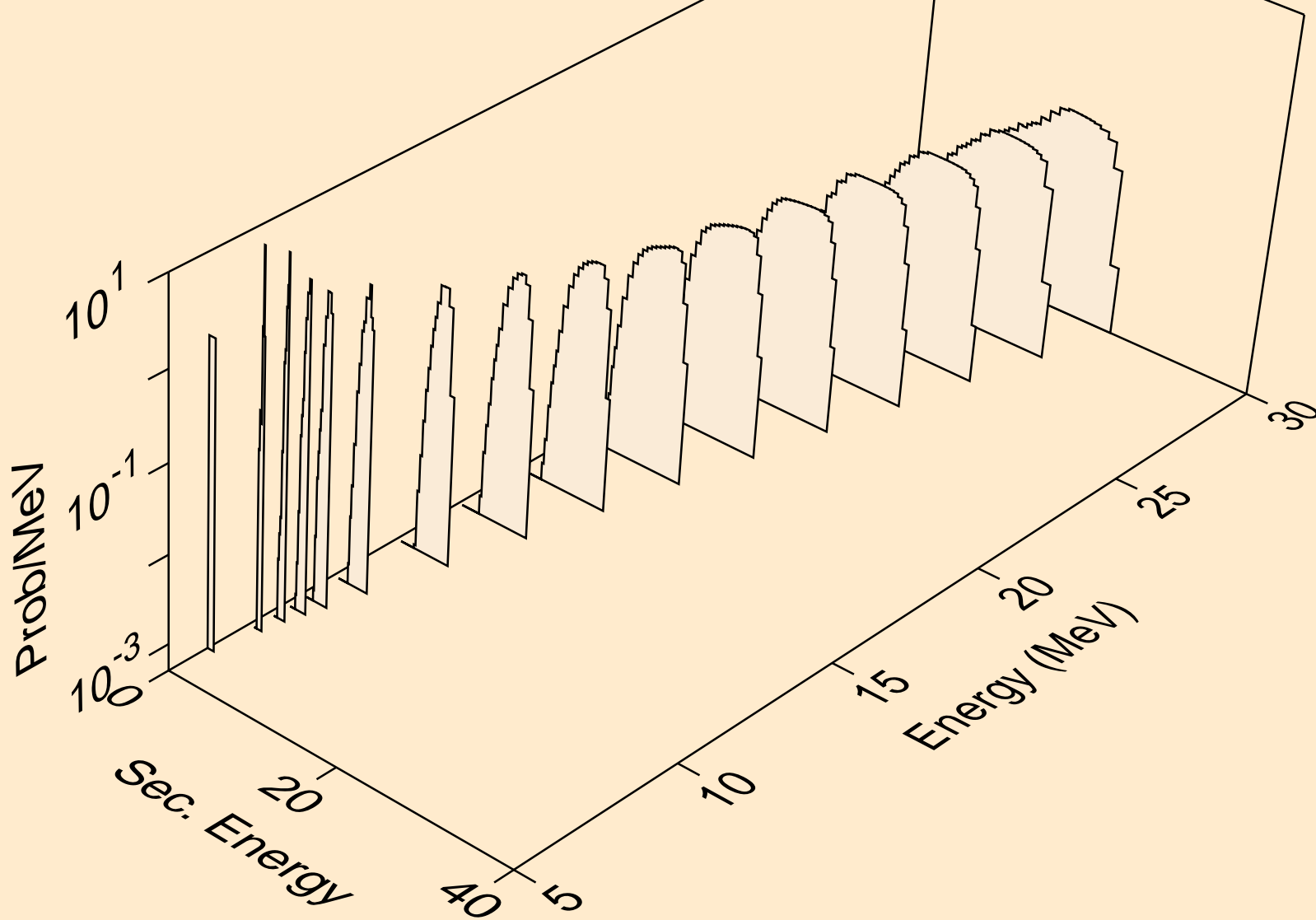


GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)

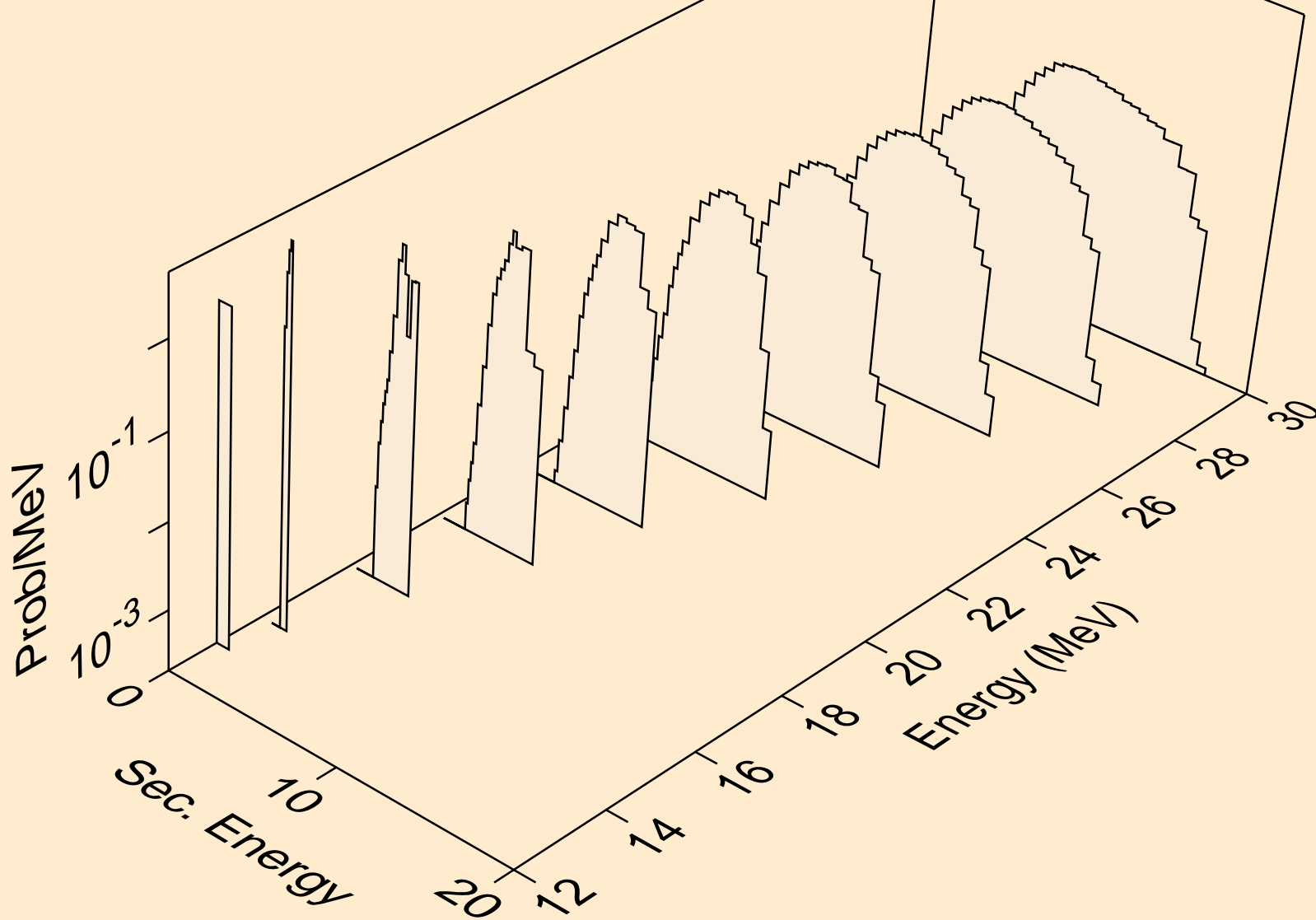




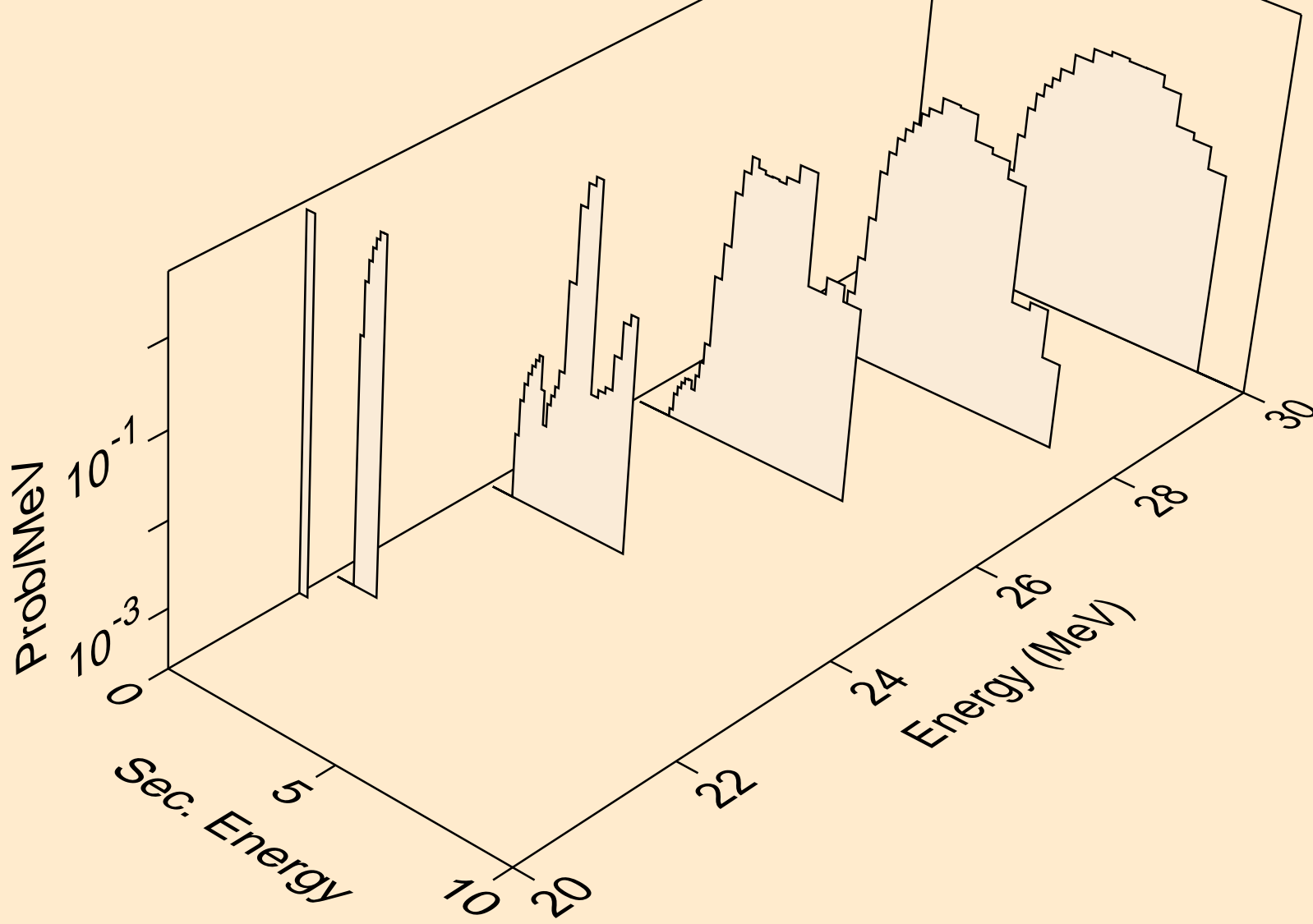
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



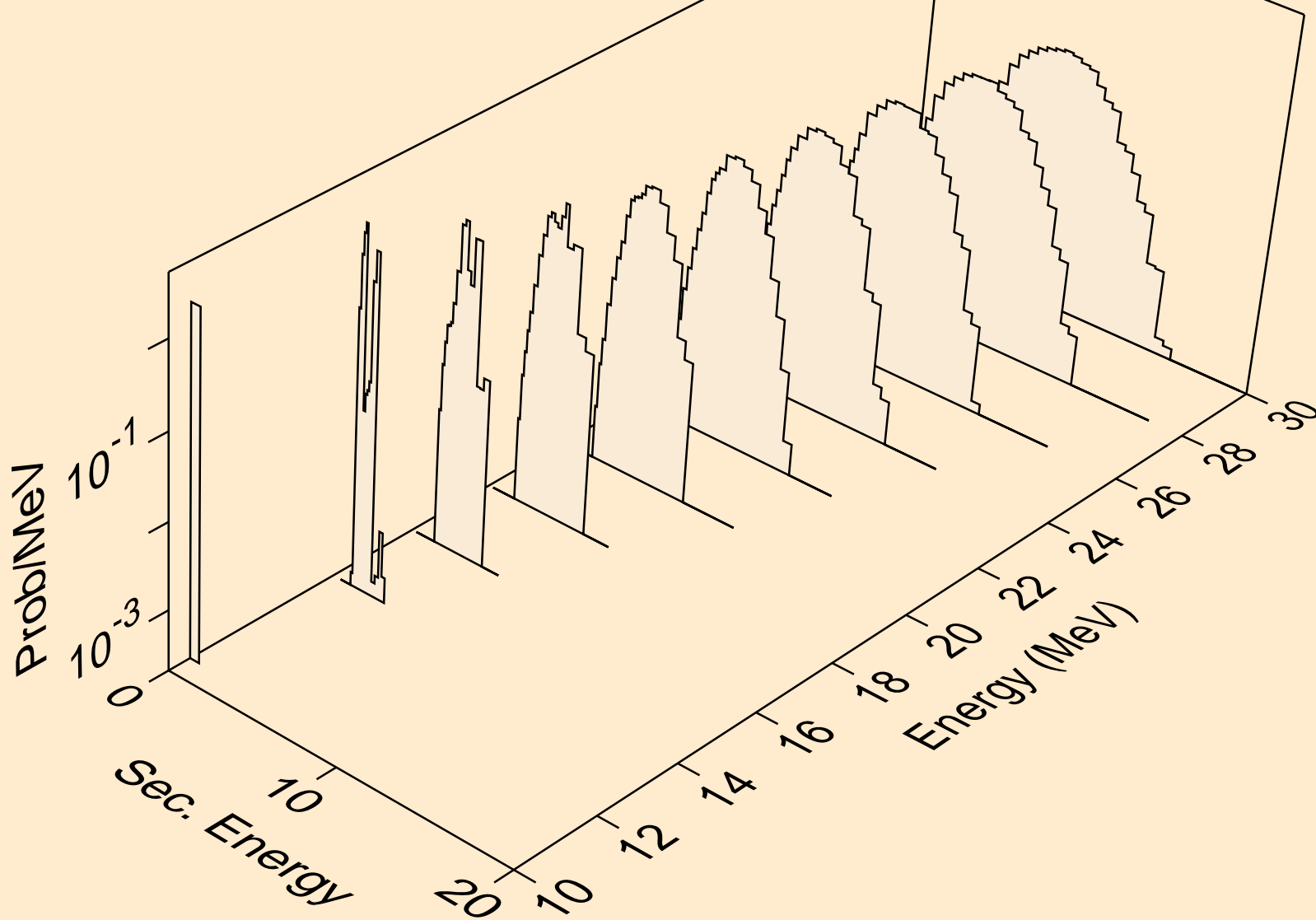
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



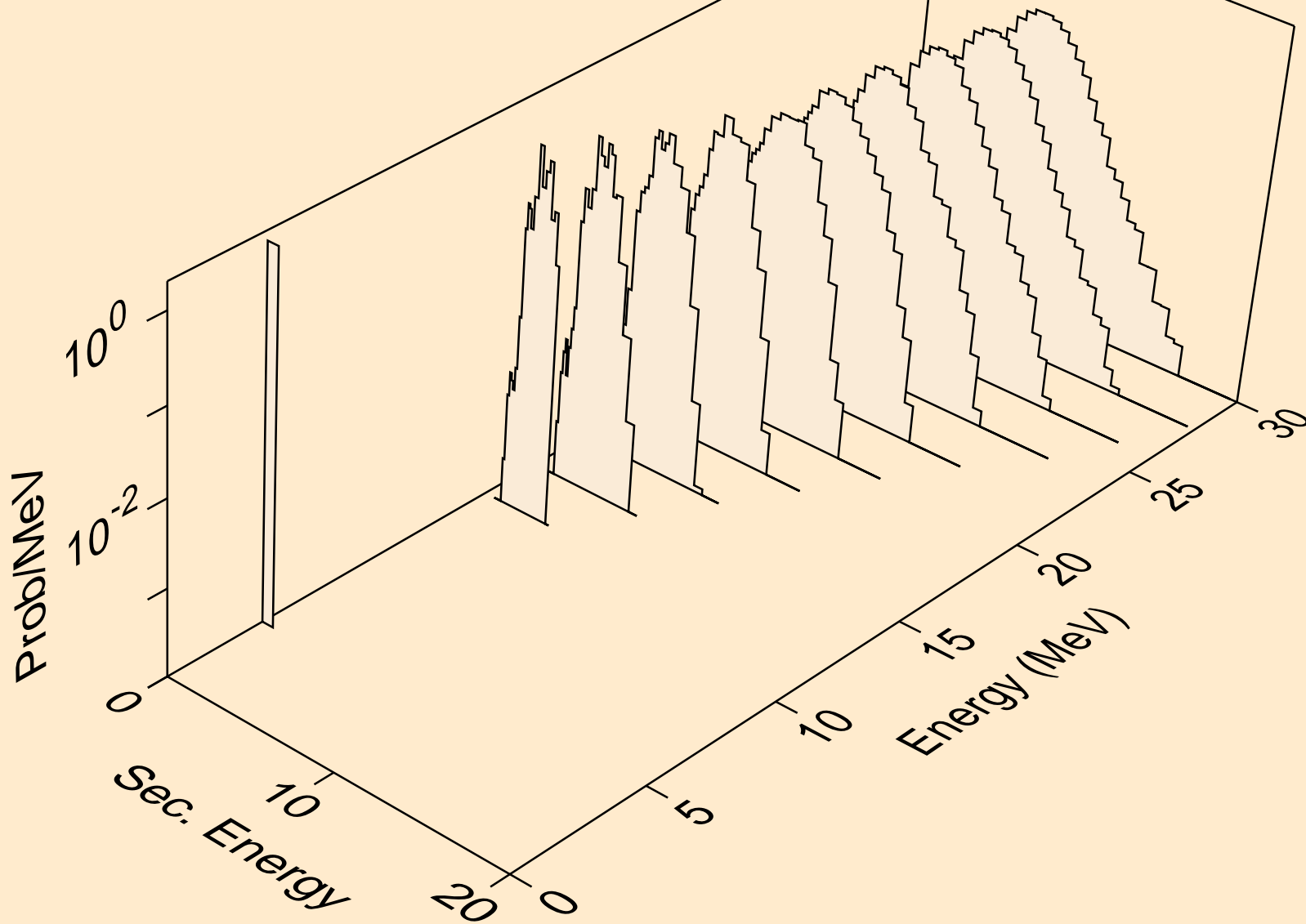
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)



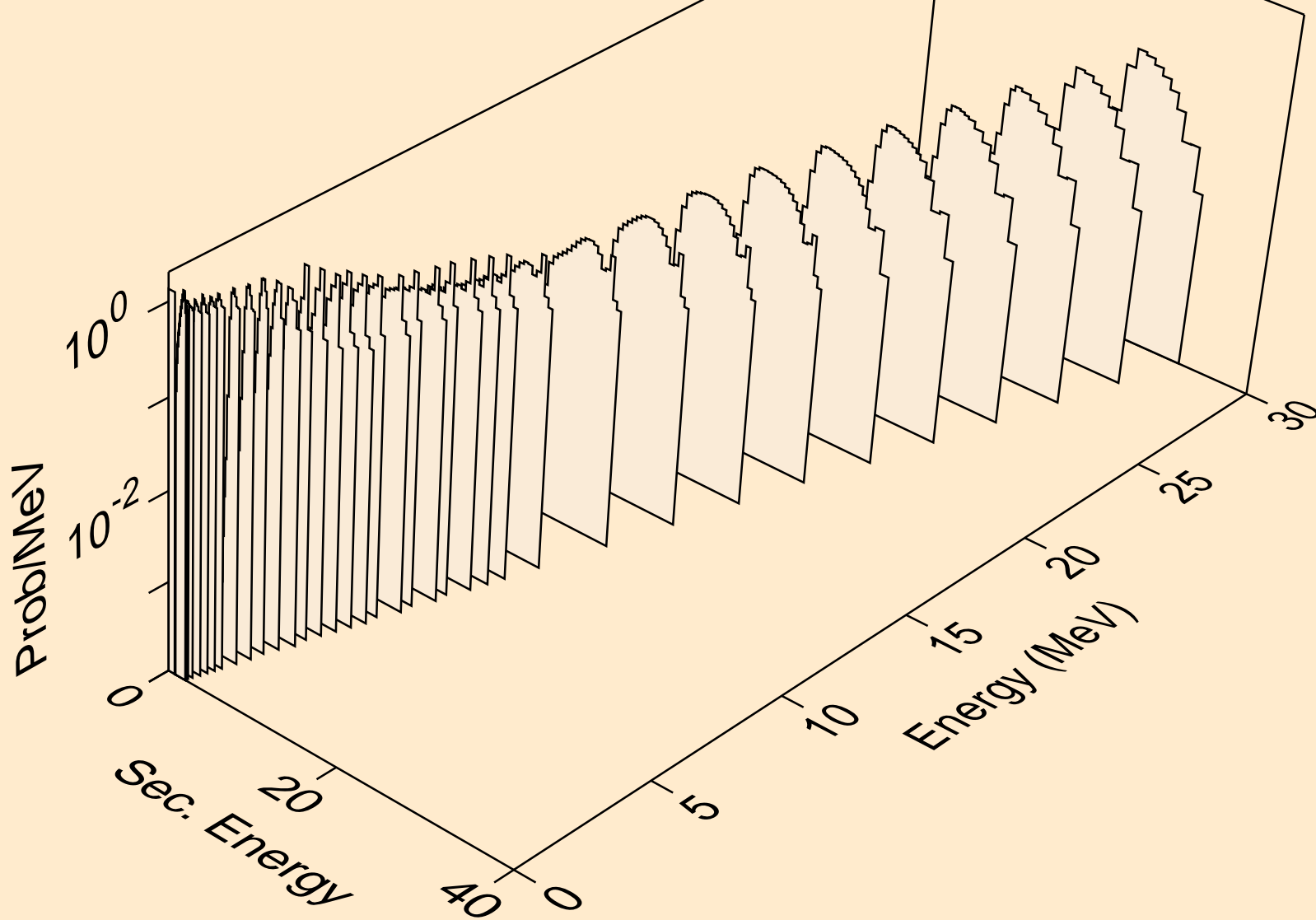
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



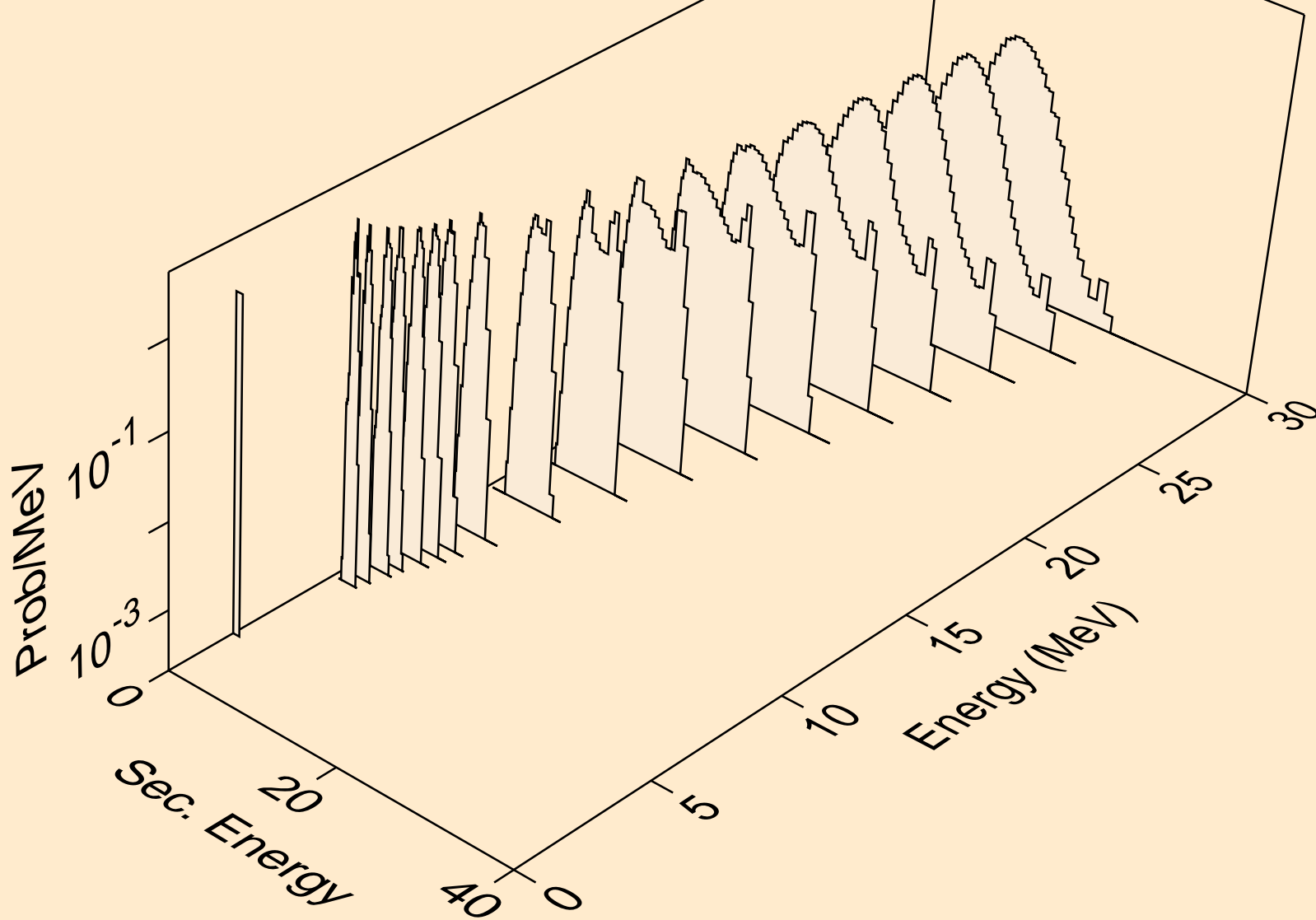
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,npa)



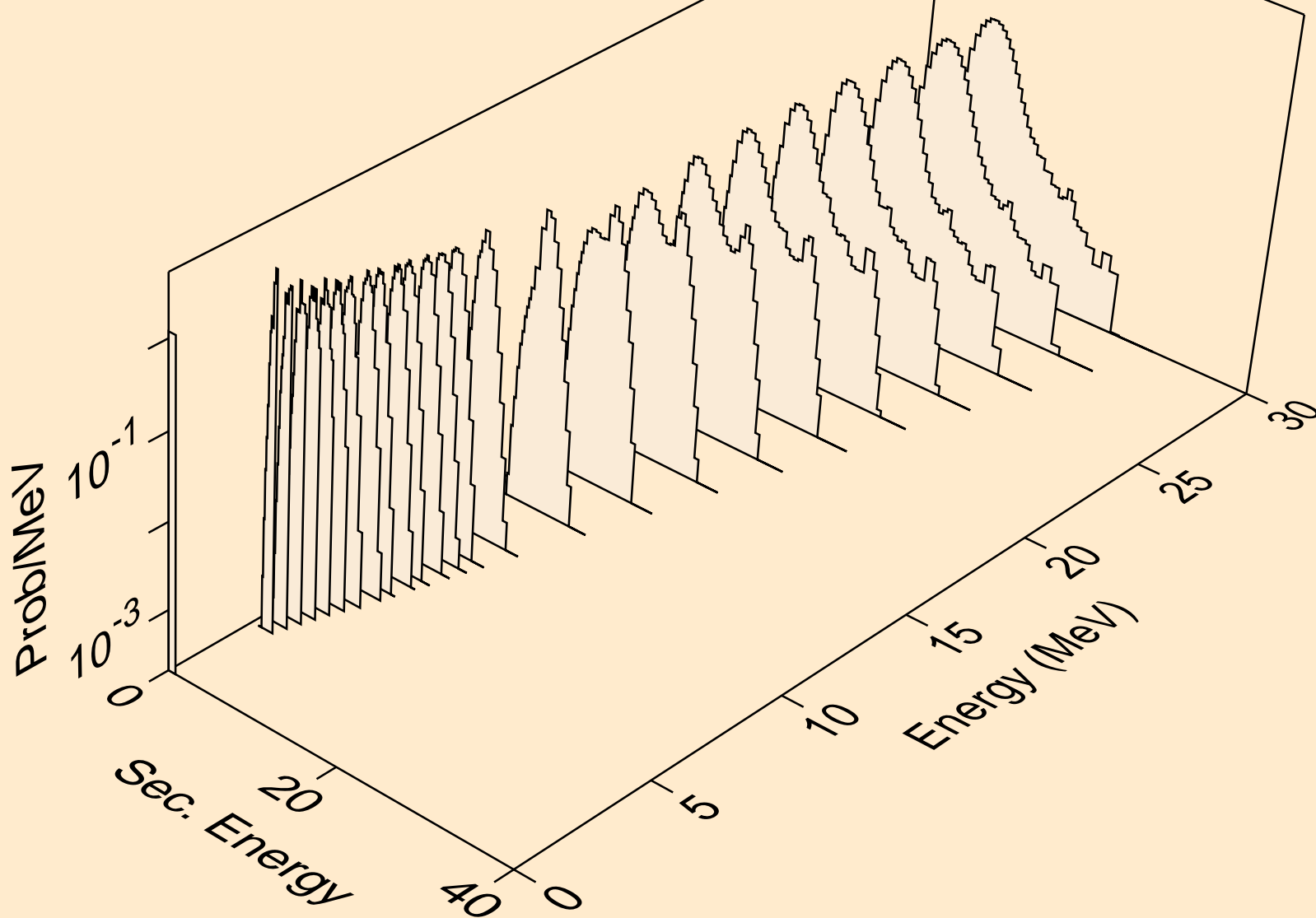
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)

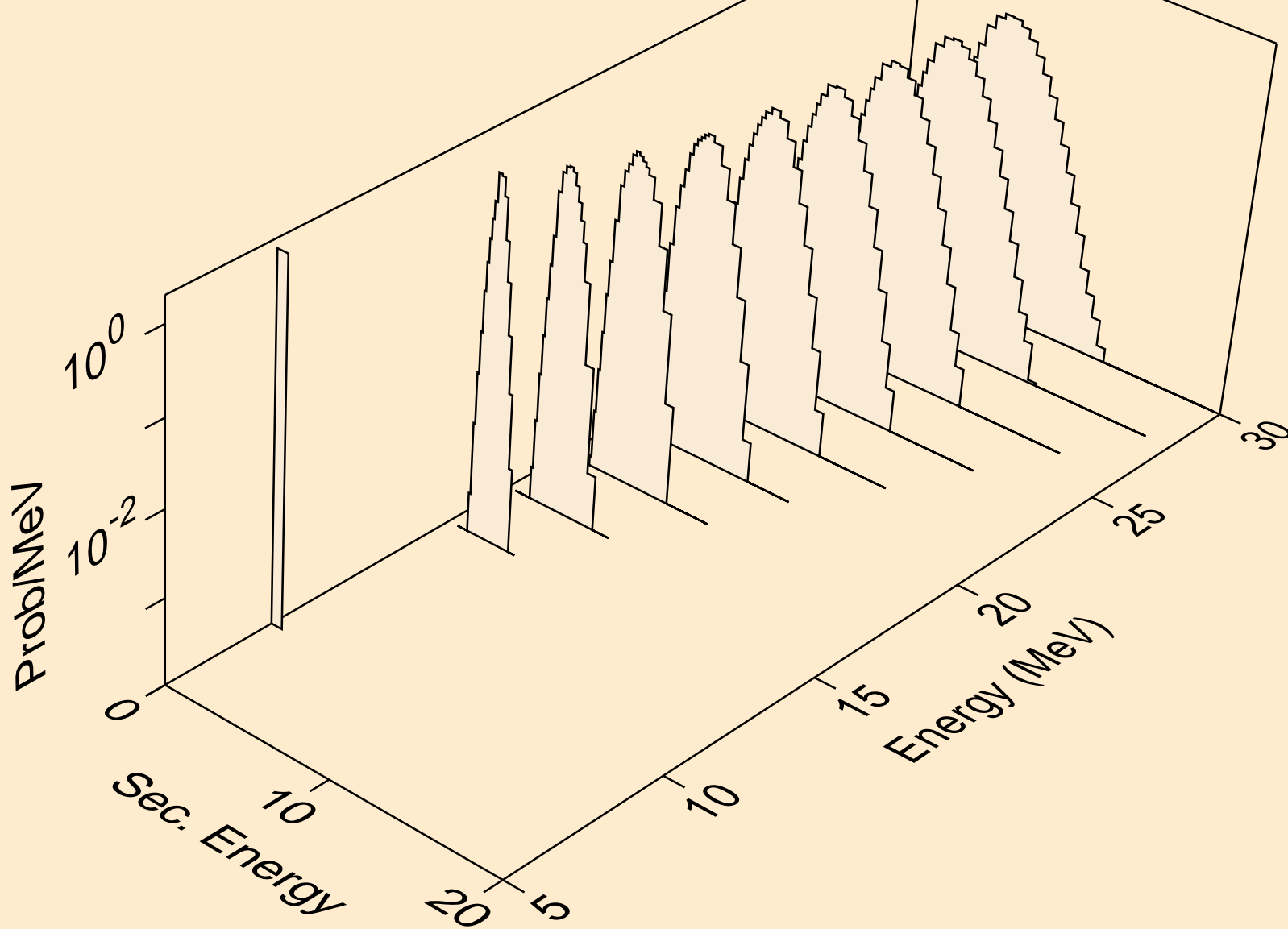


GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)

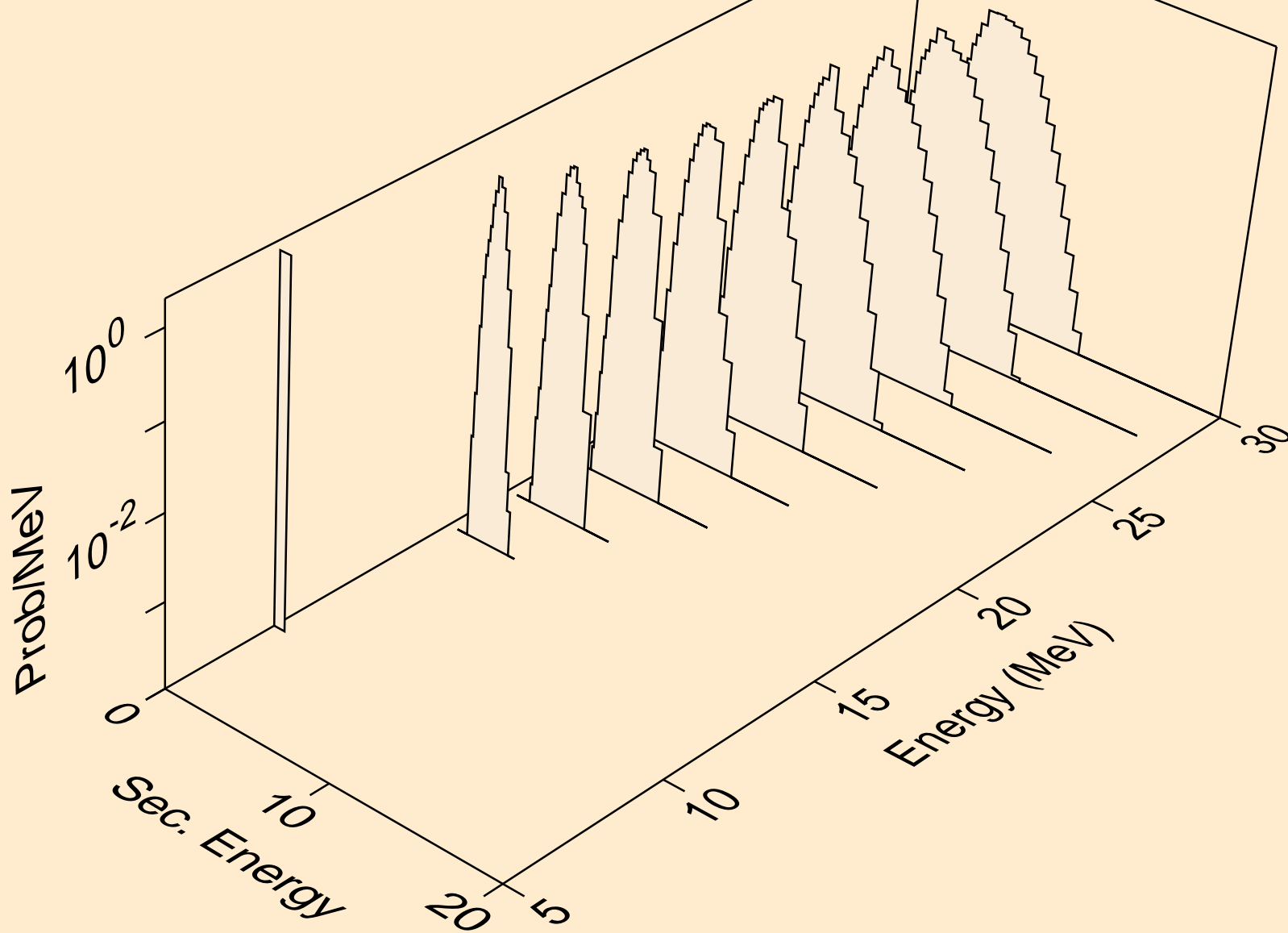




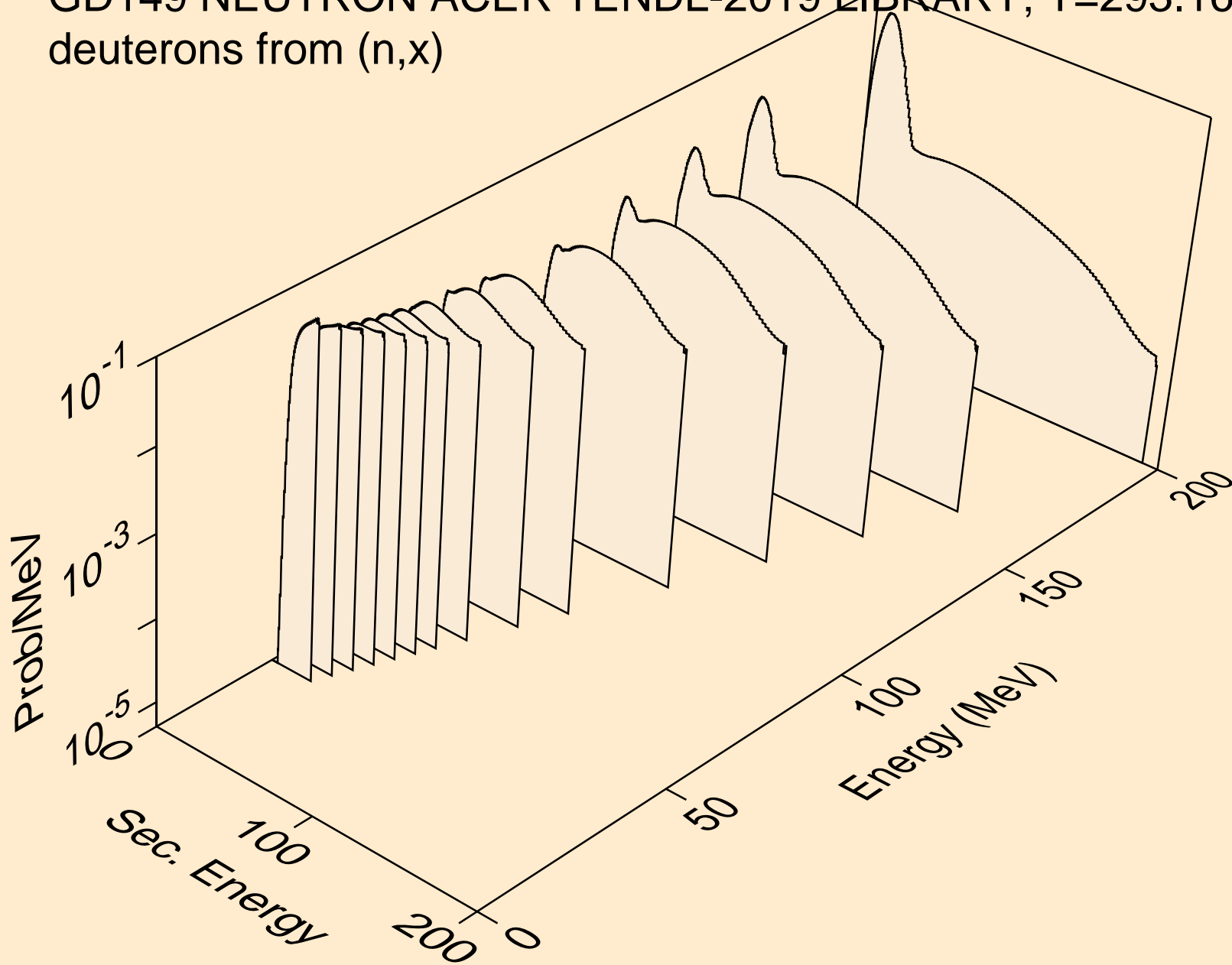
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pd)



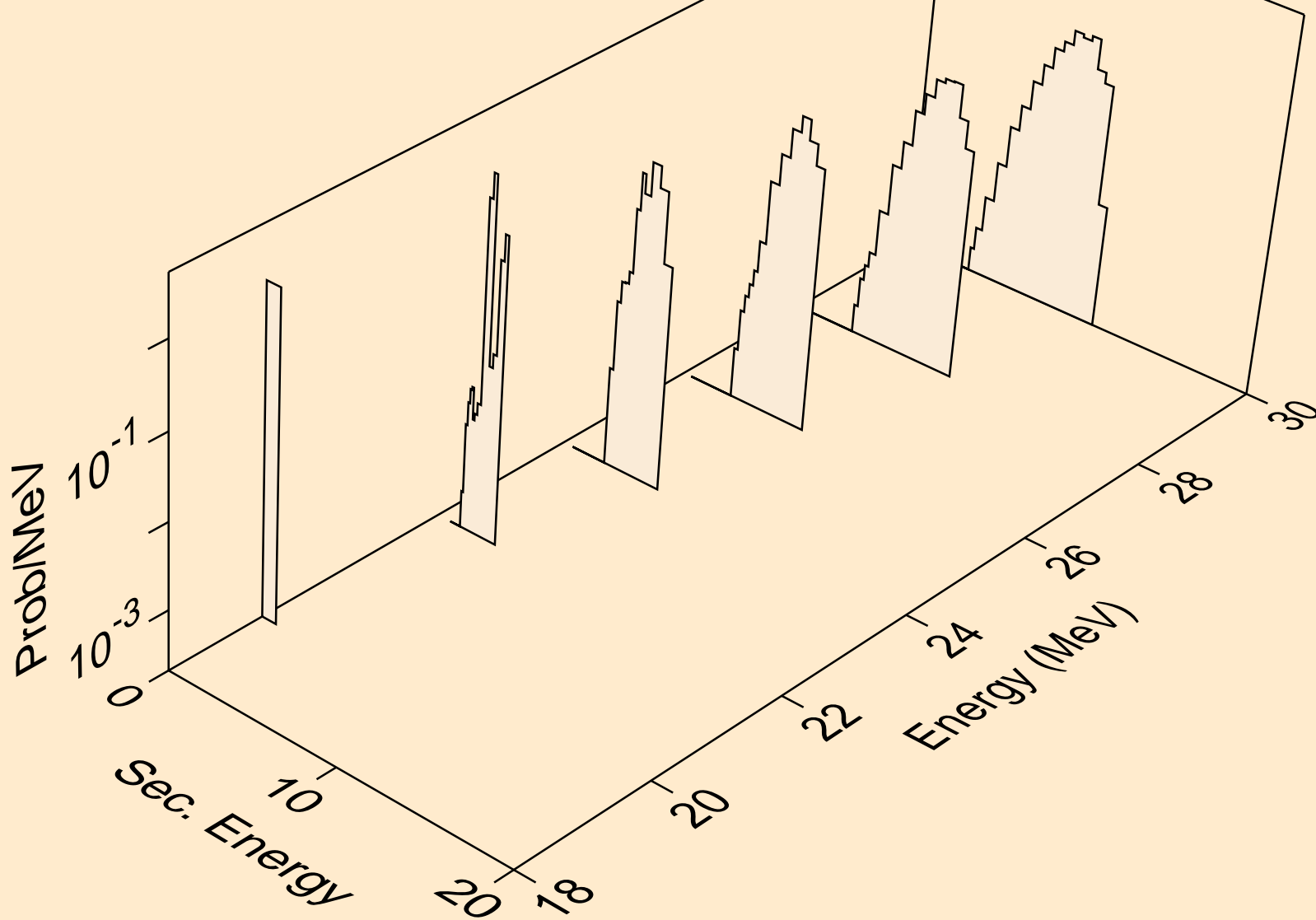
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pt)



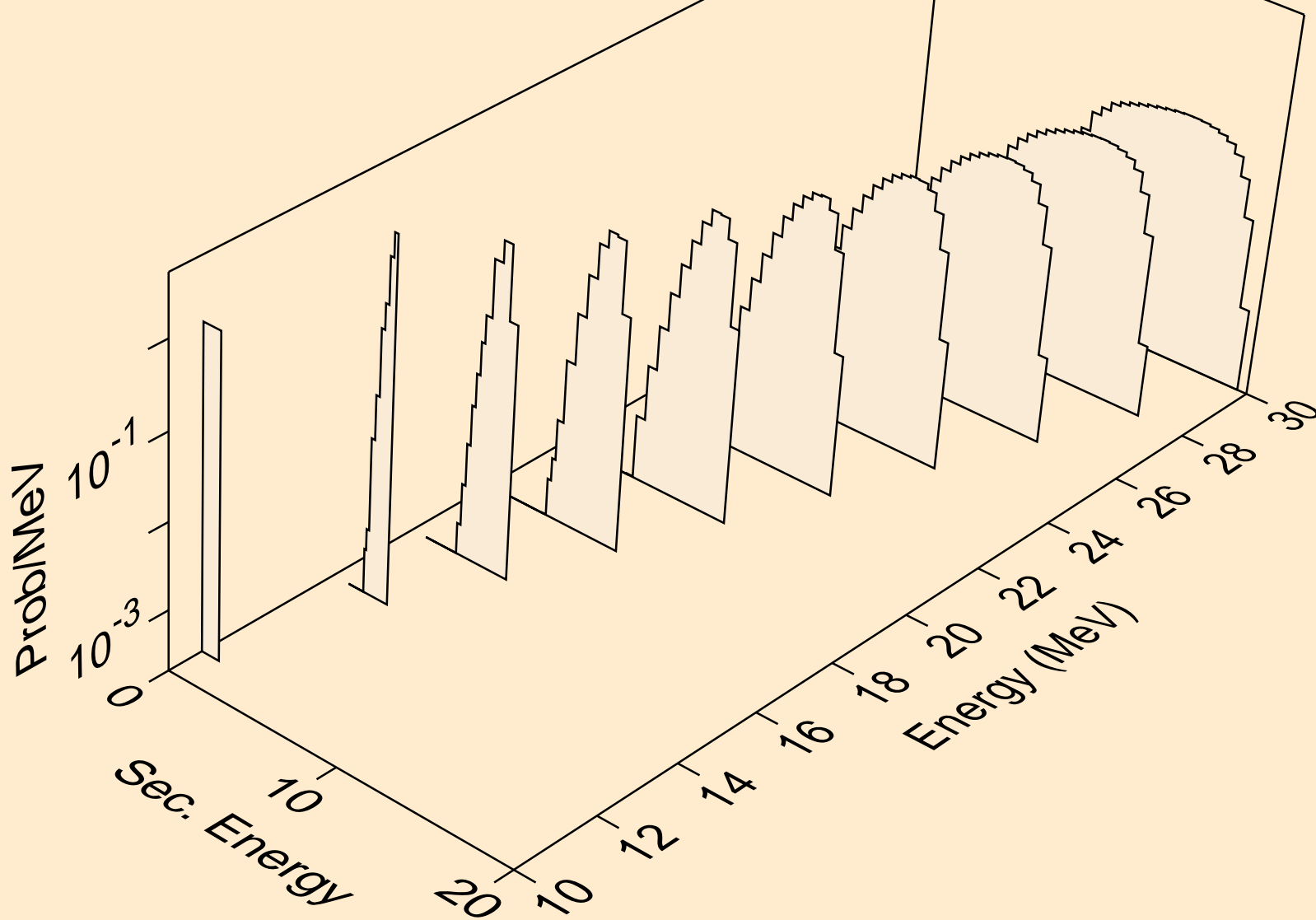
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)



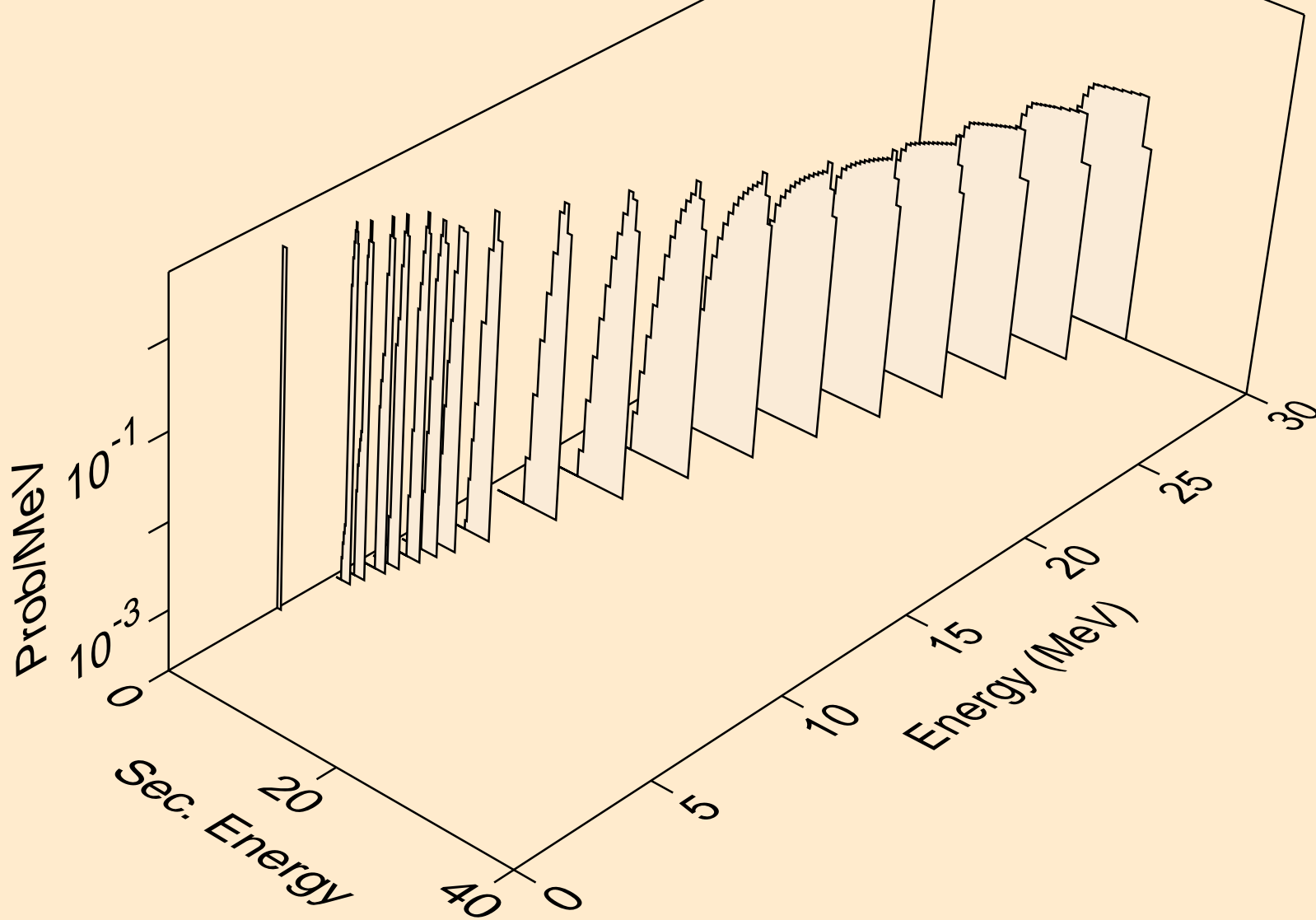
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)



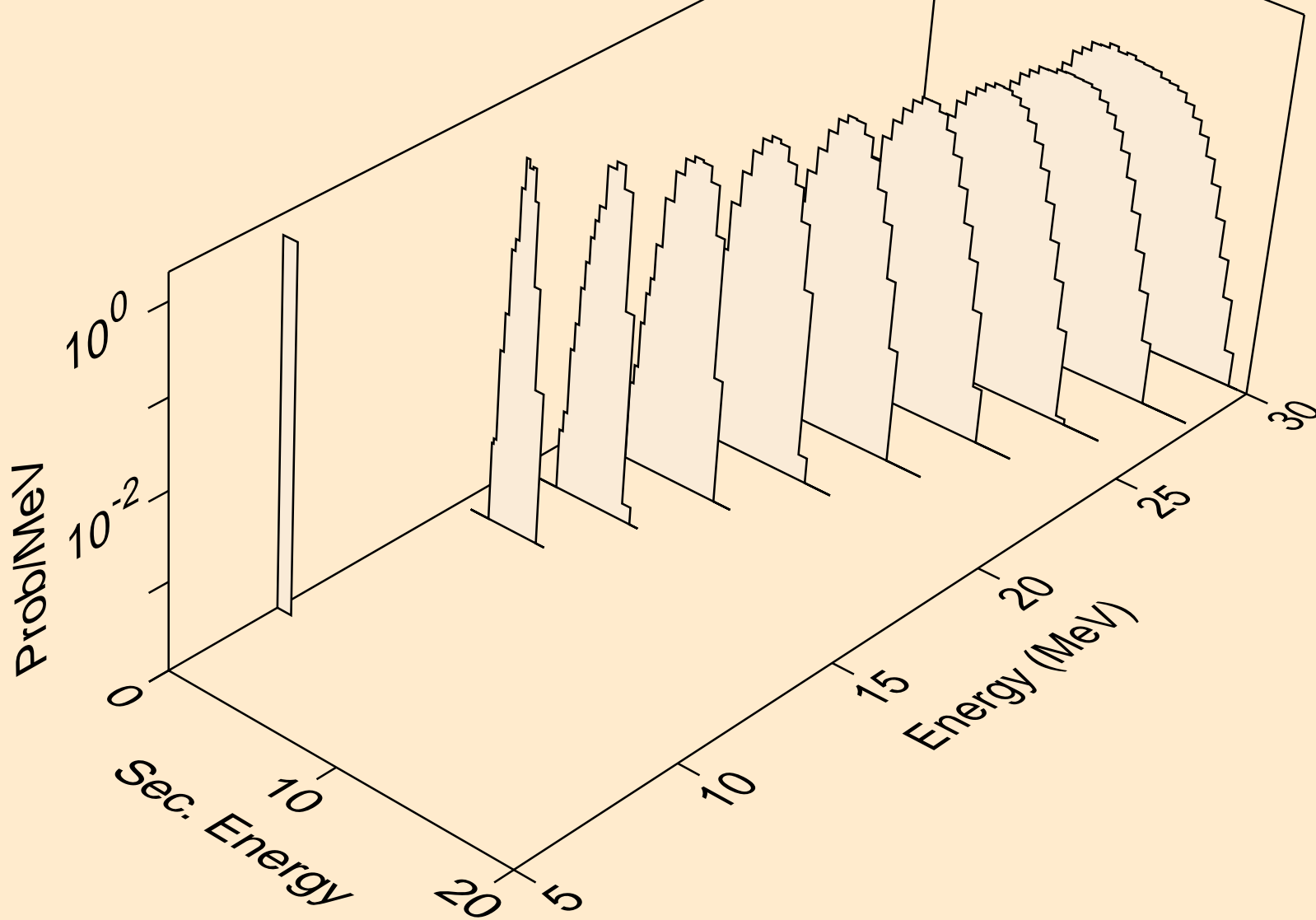
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d



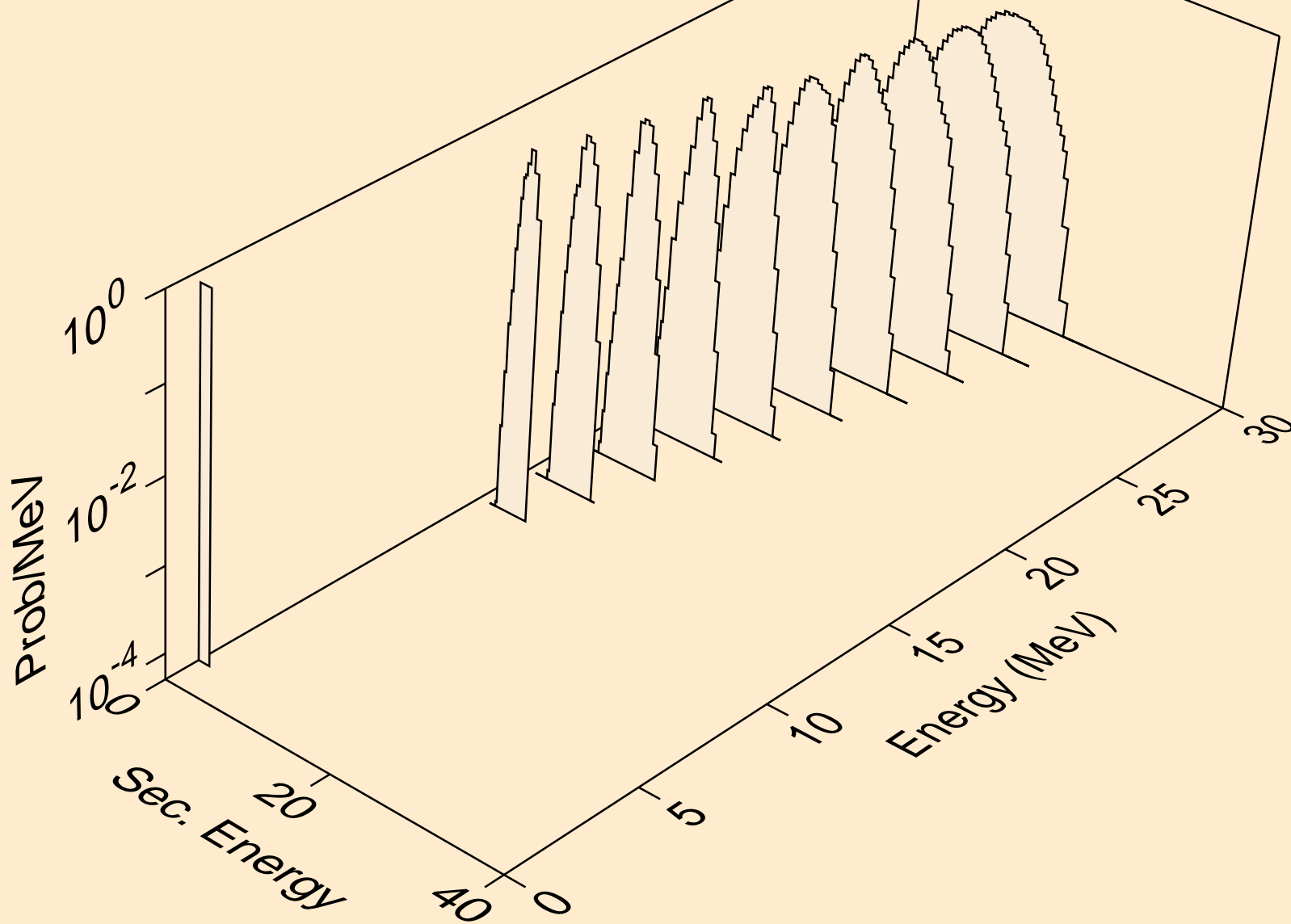
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)



GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,pd)

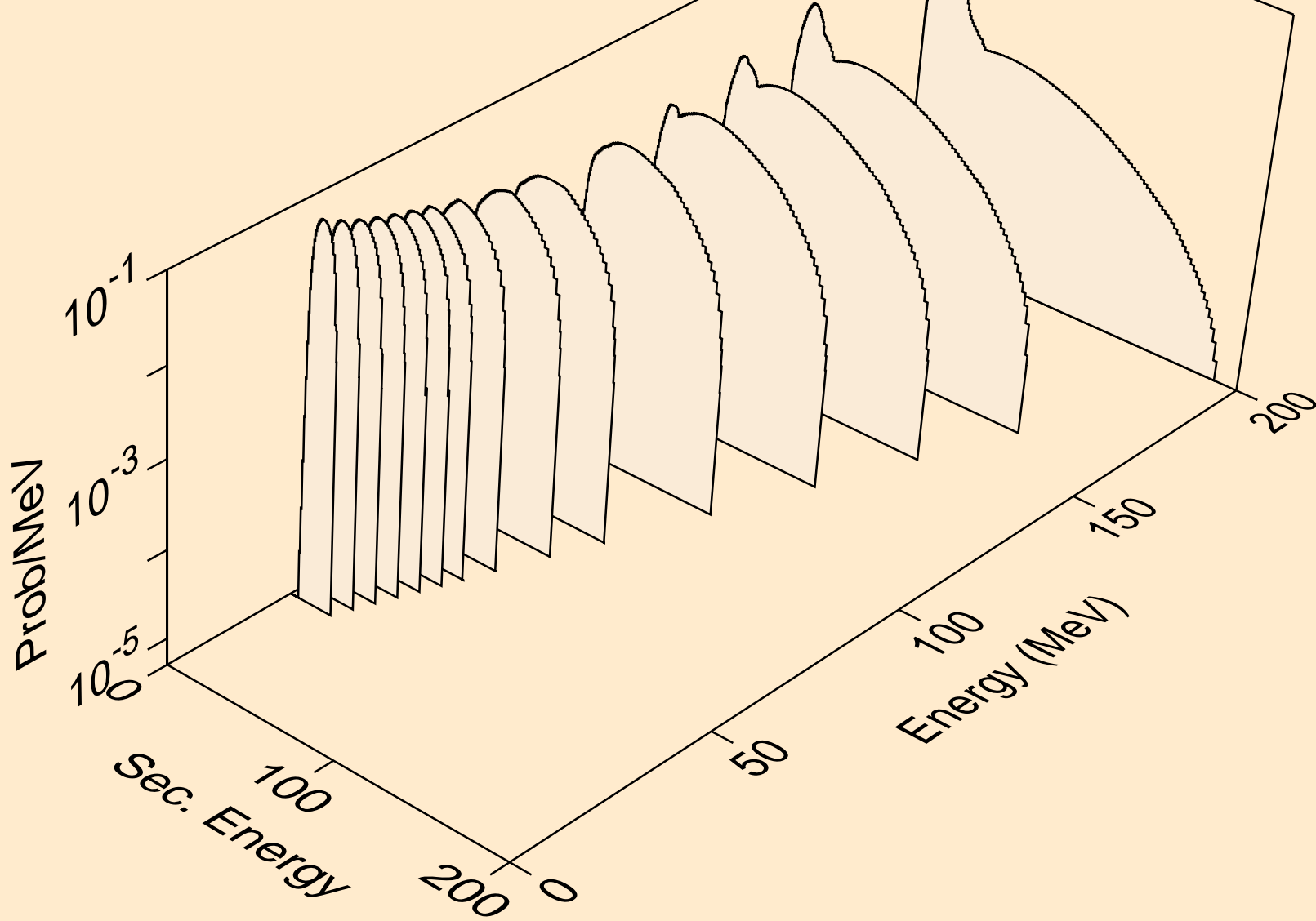


GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,da)

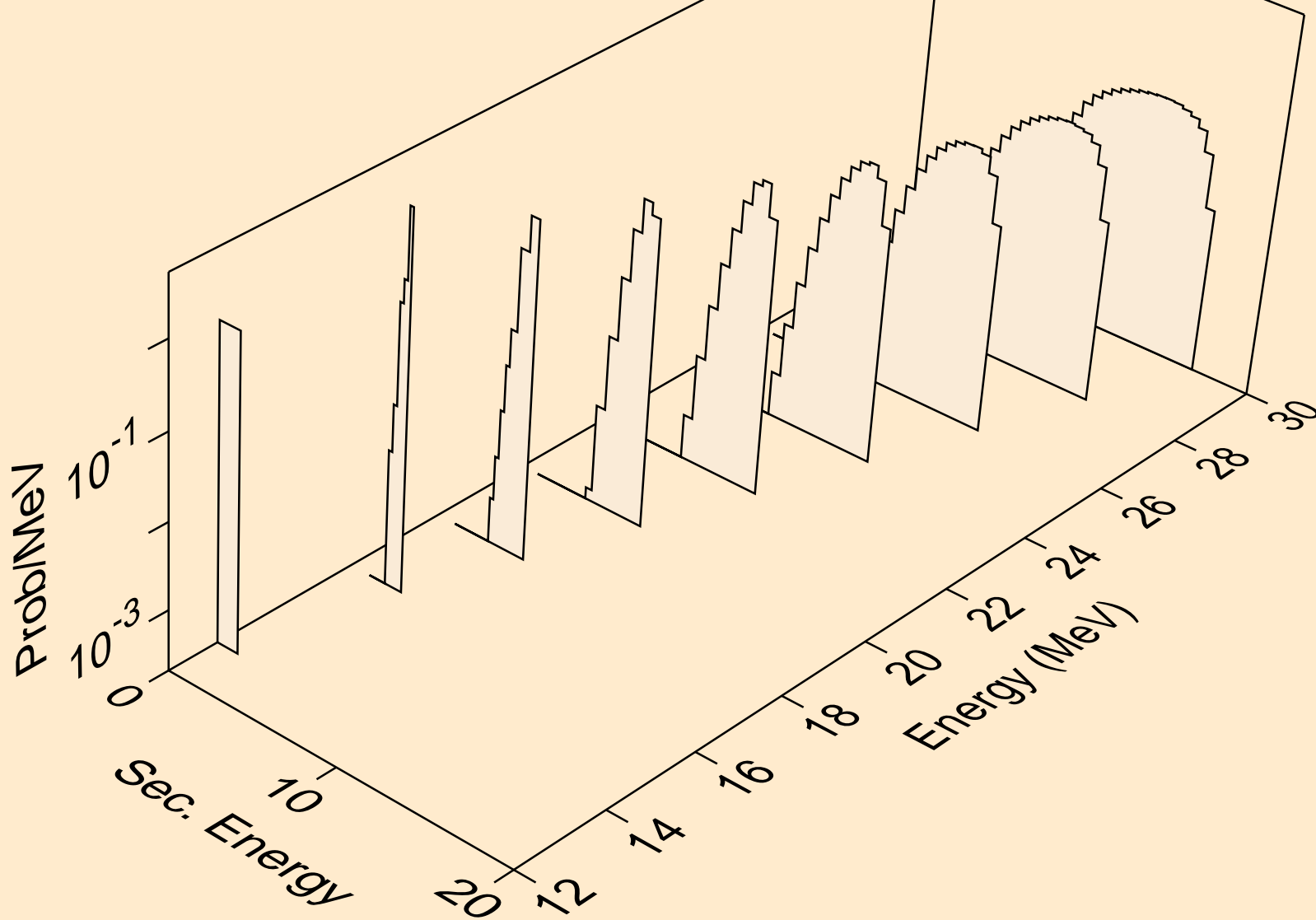




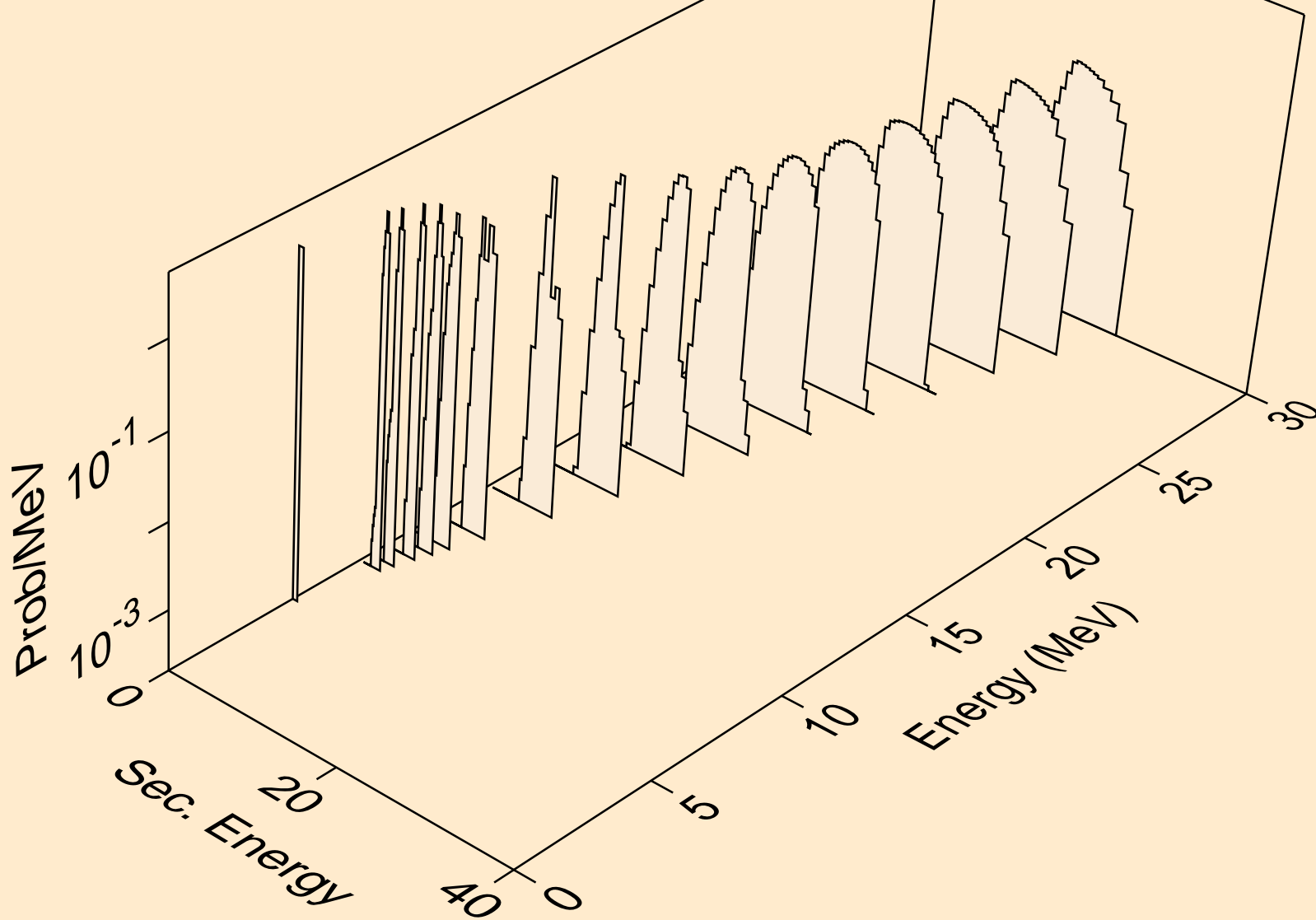
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)



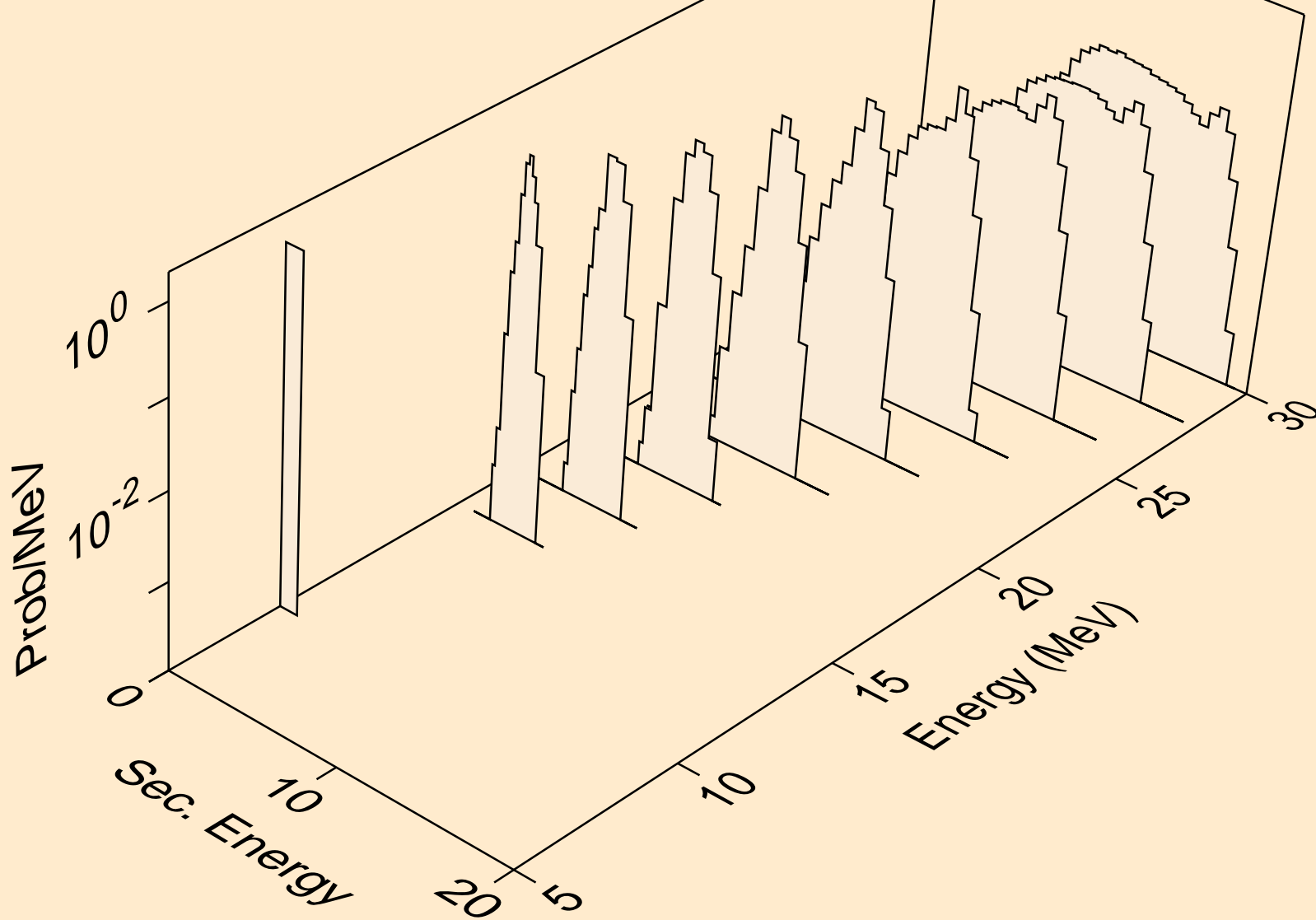
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



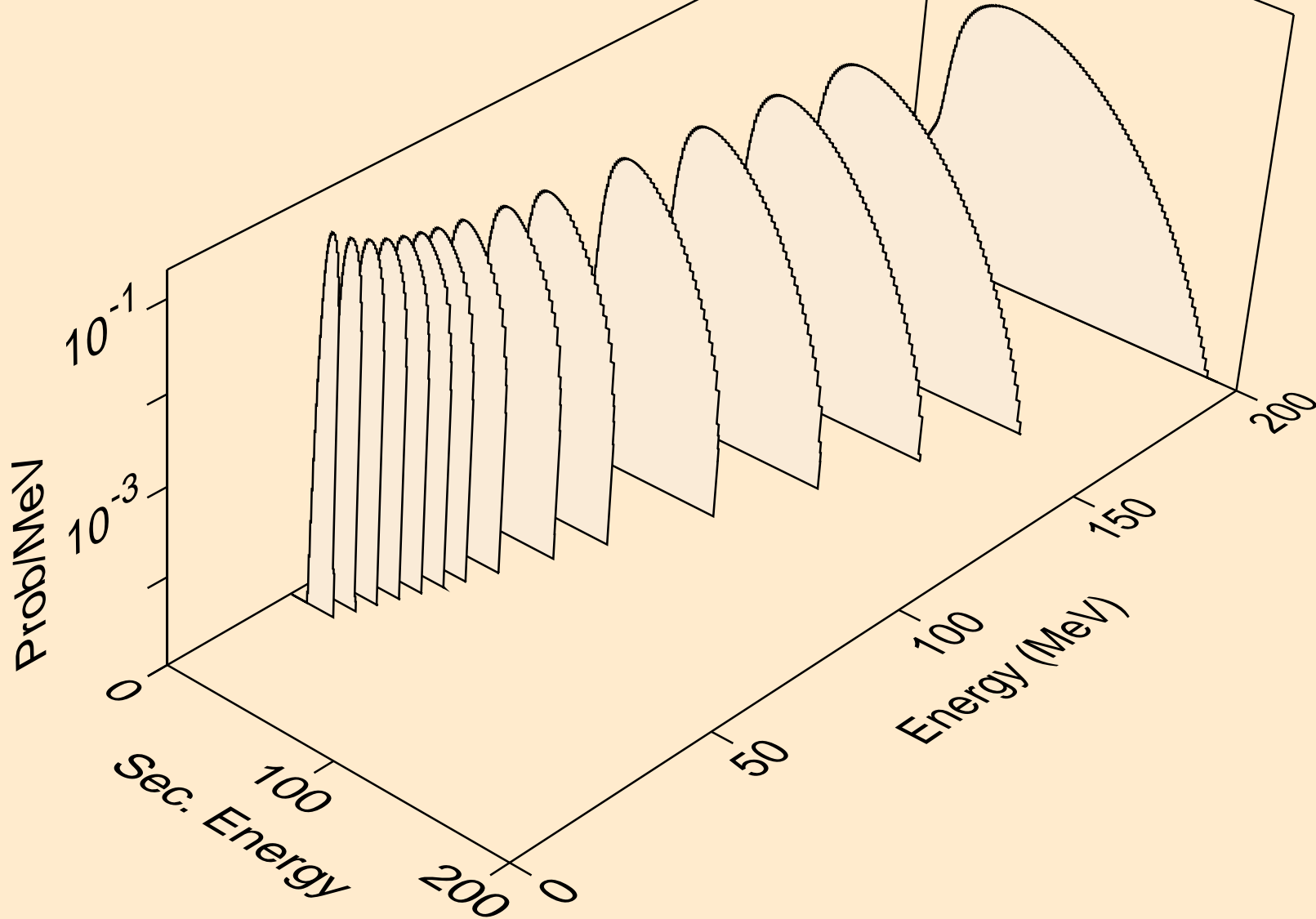
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)



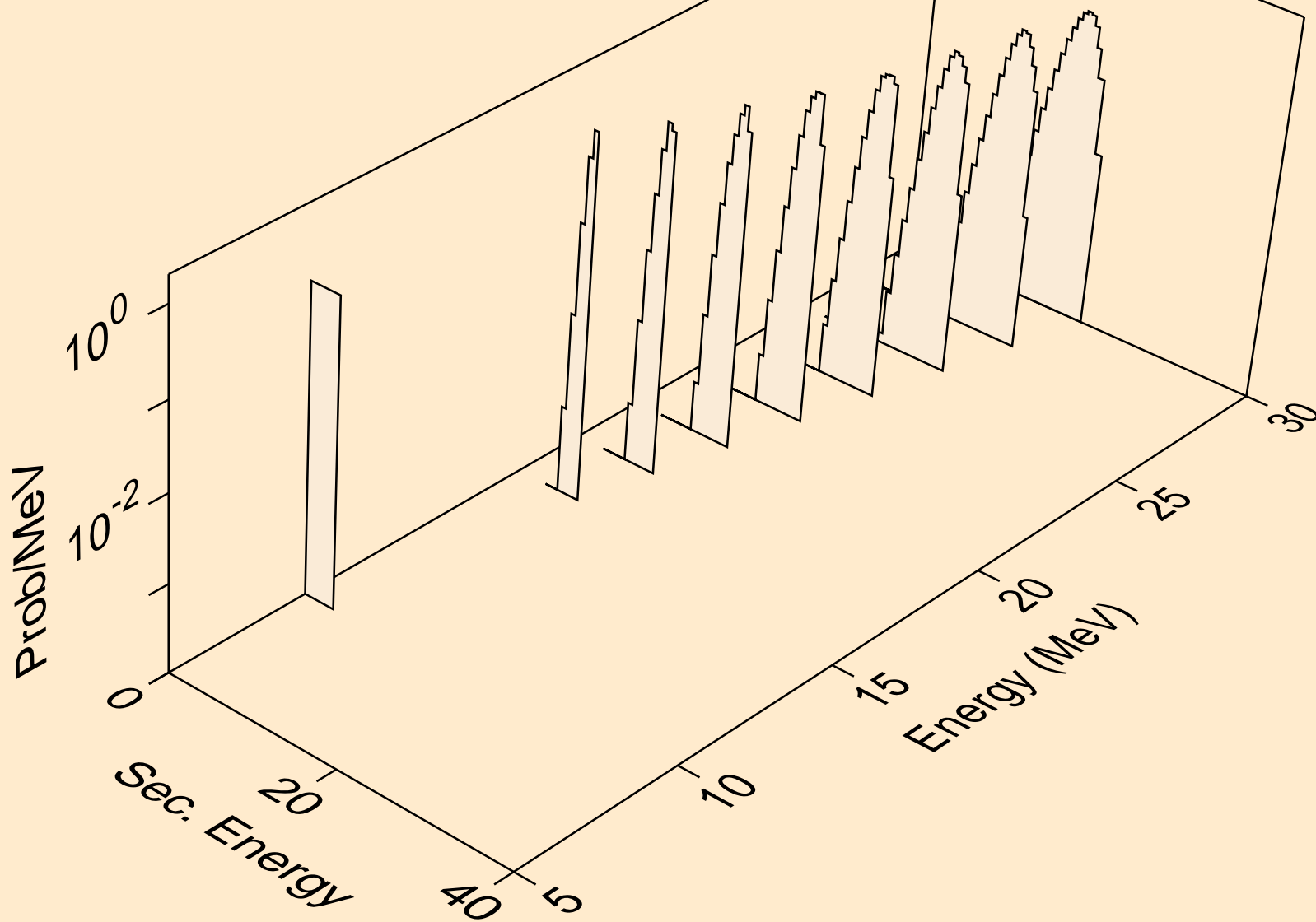
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,pt)



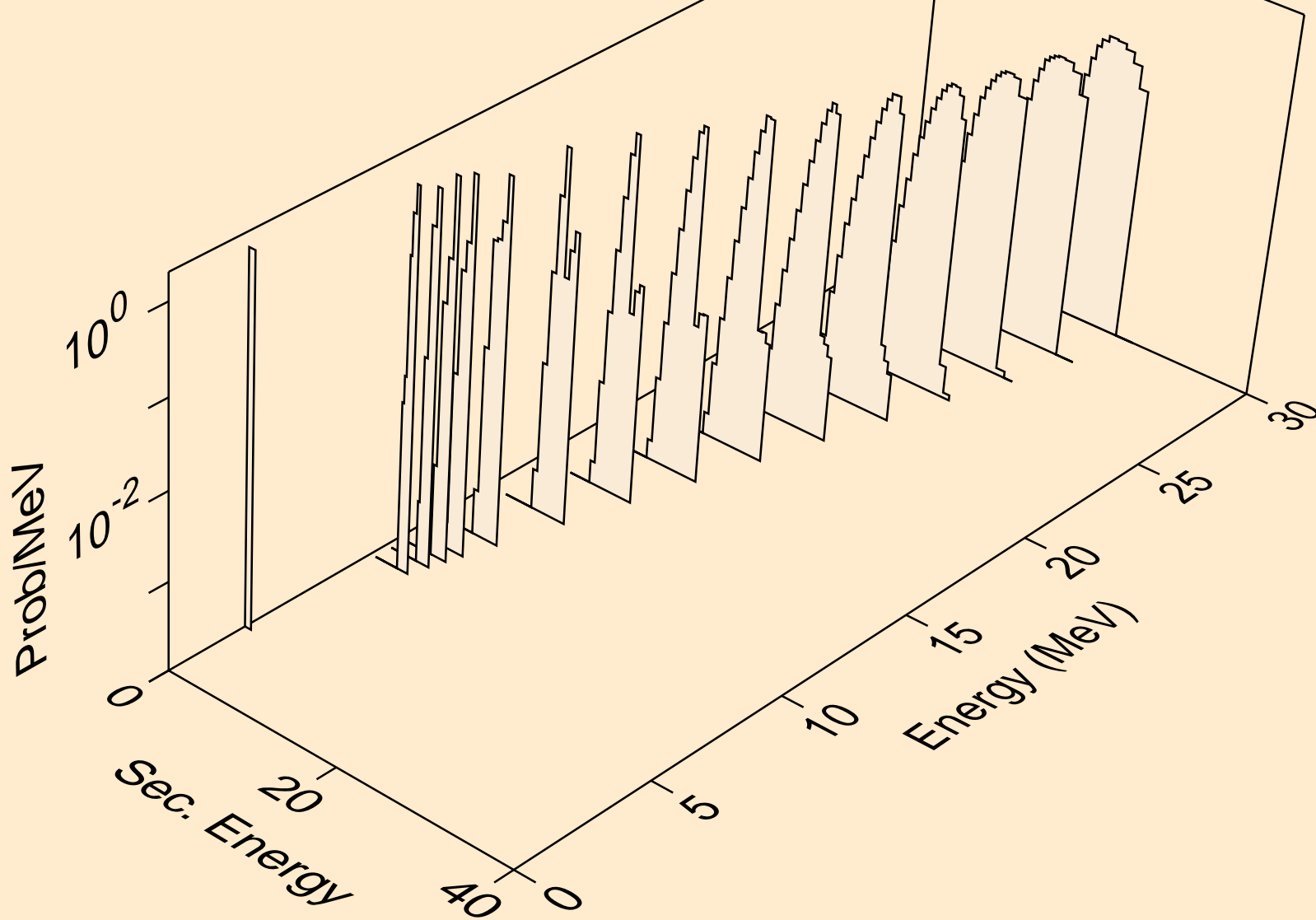
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)



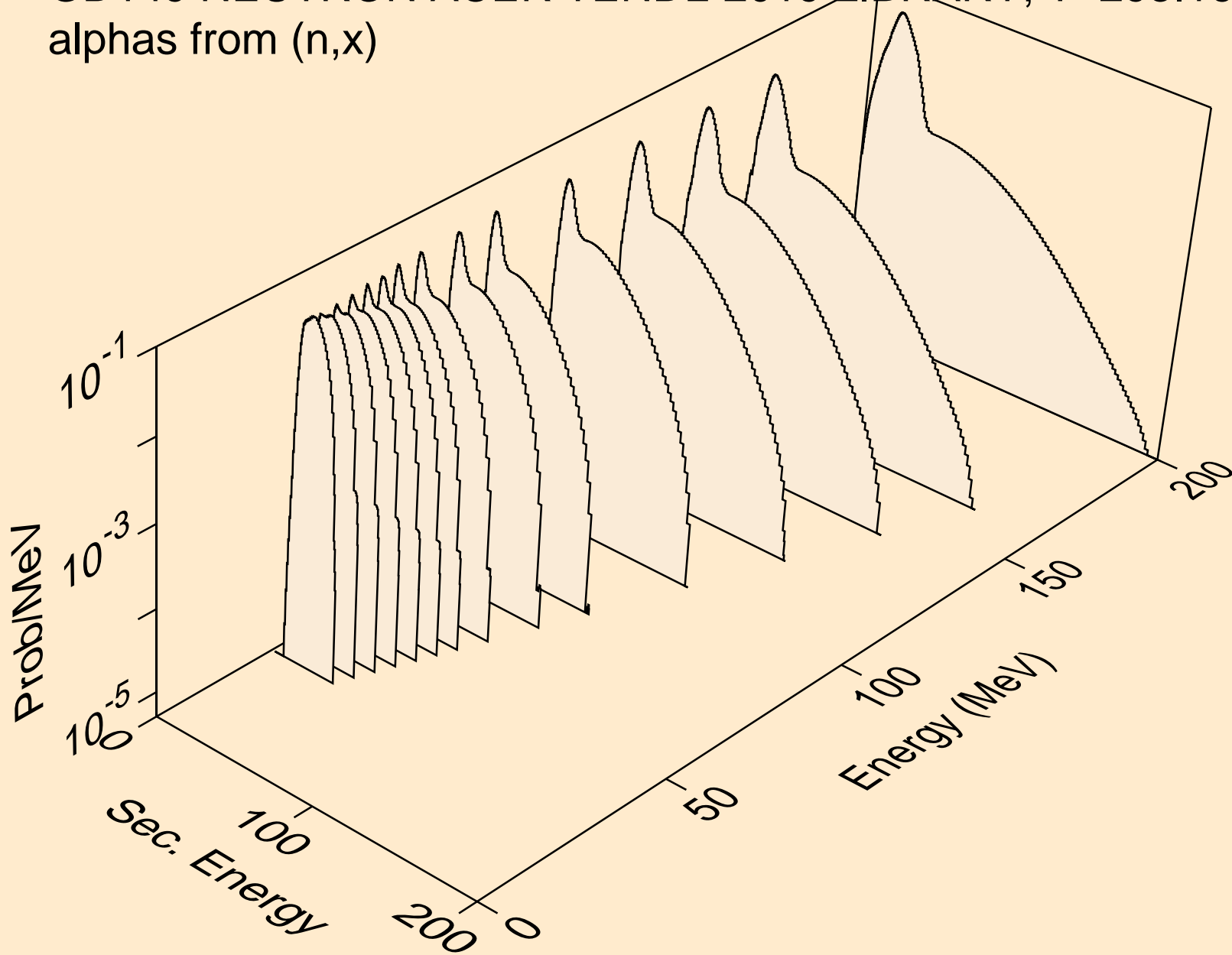
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3



GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)

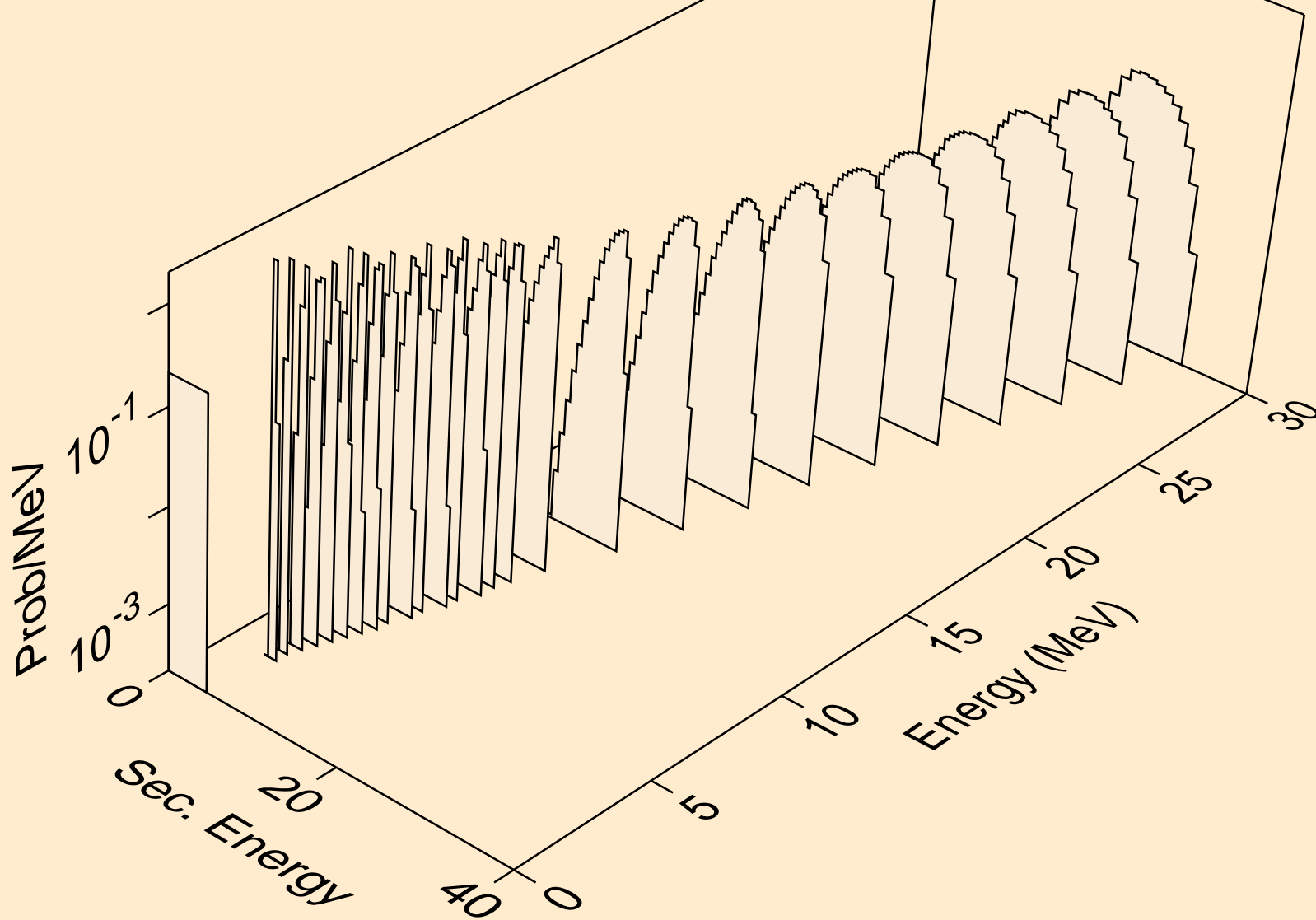


GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)

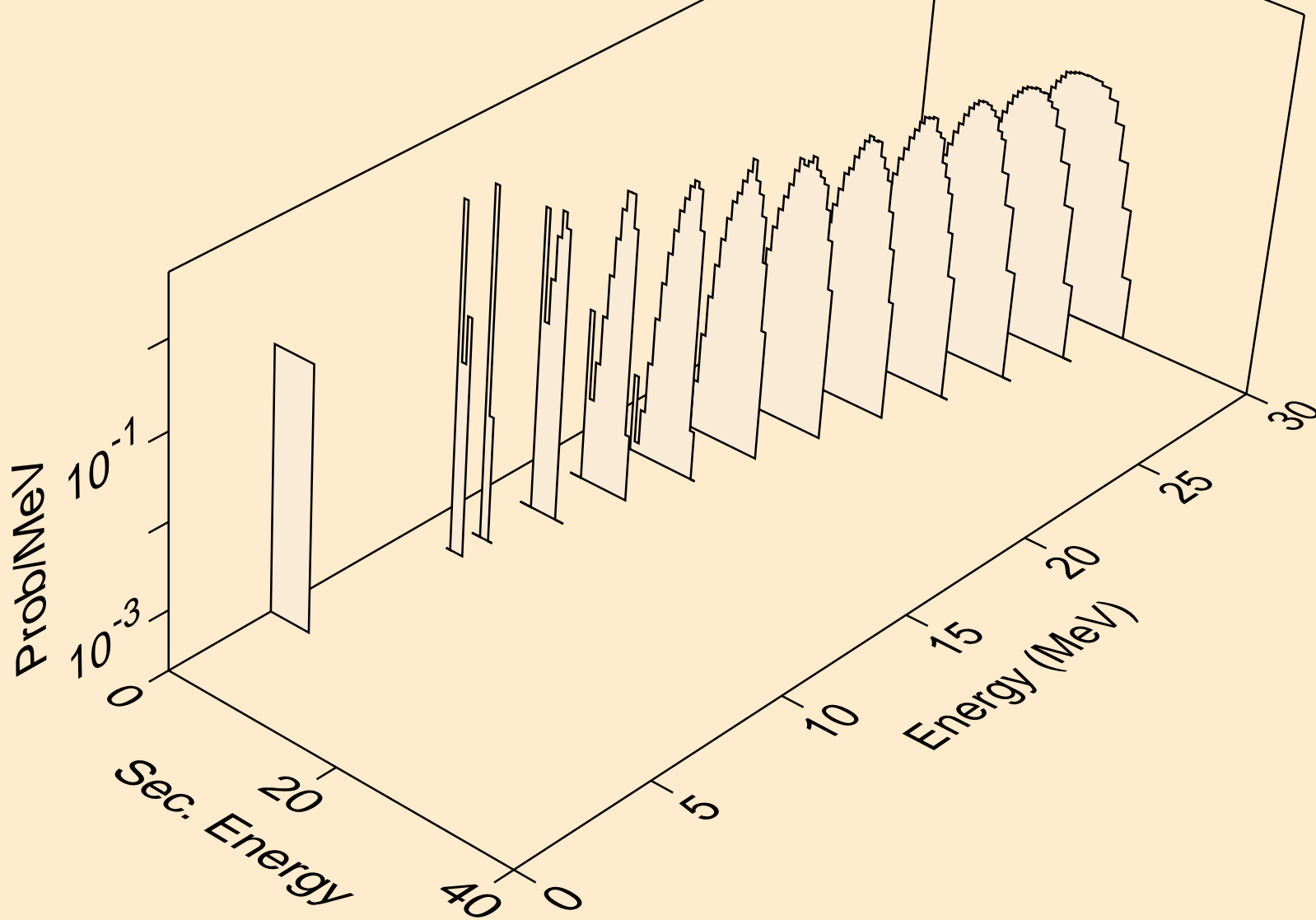




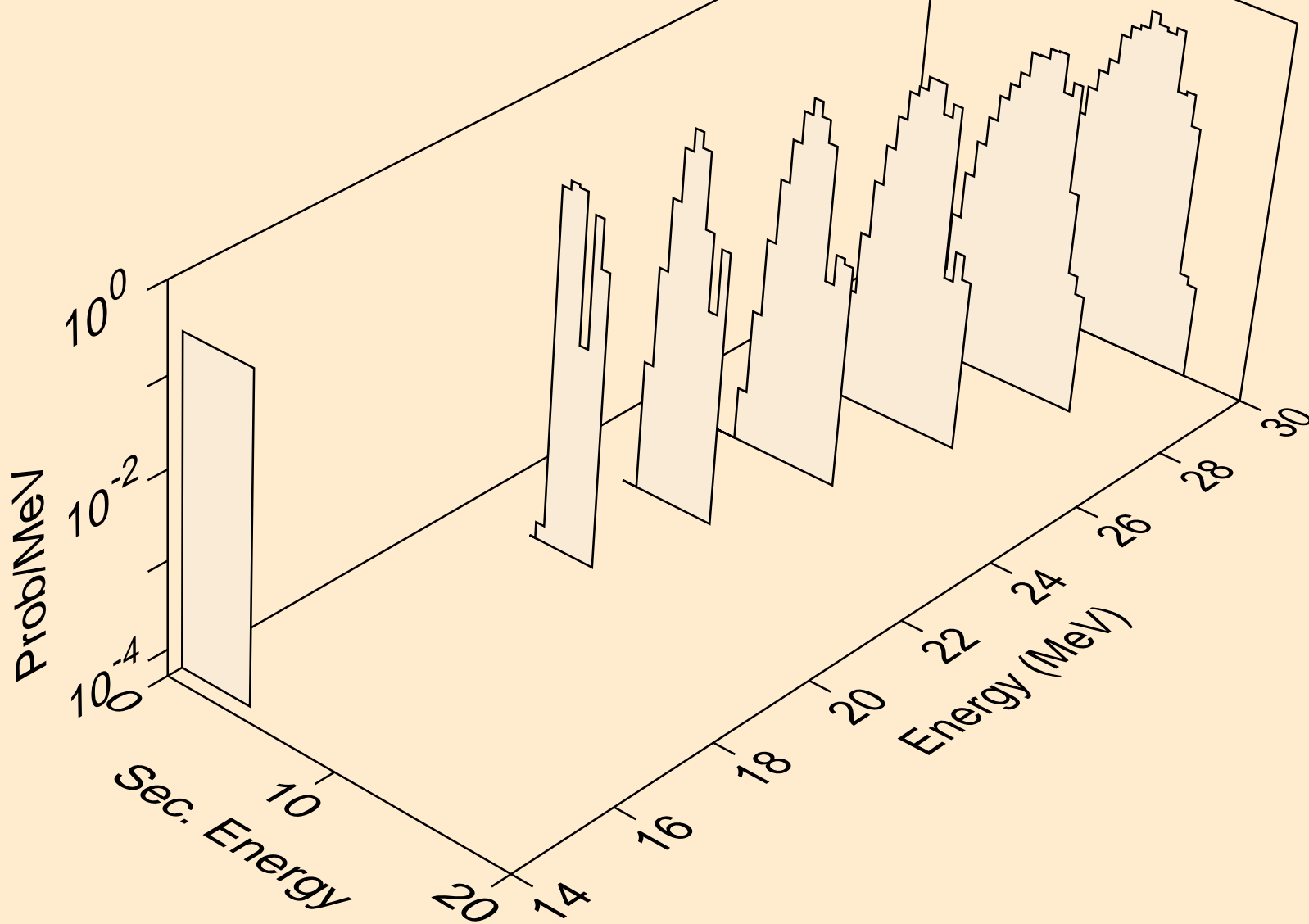
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



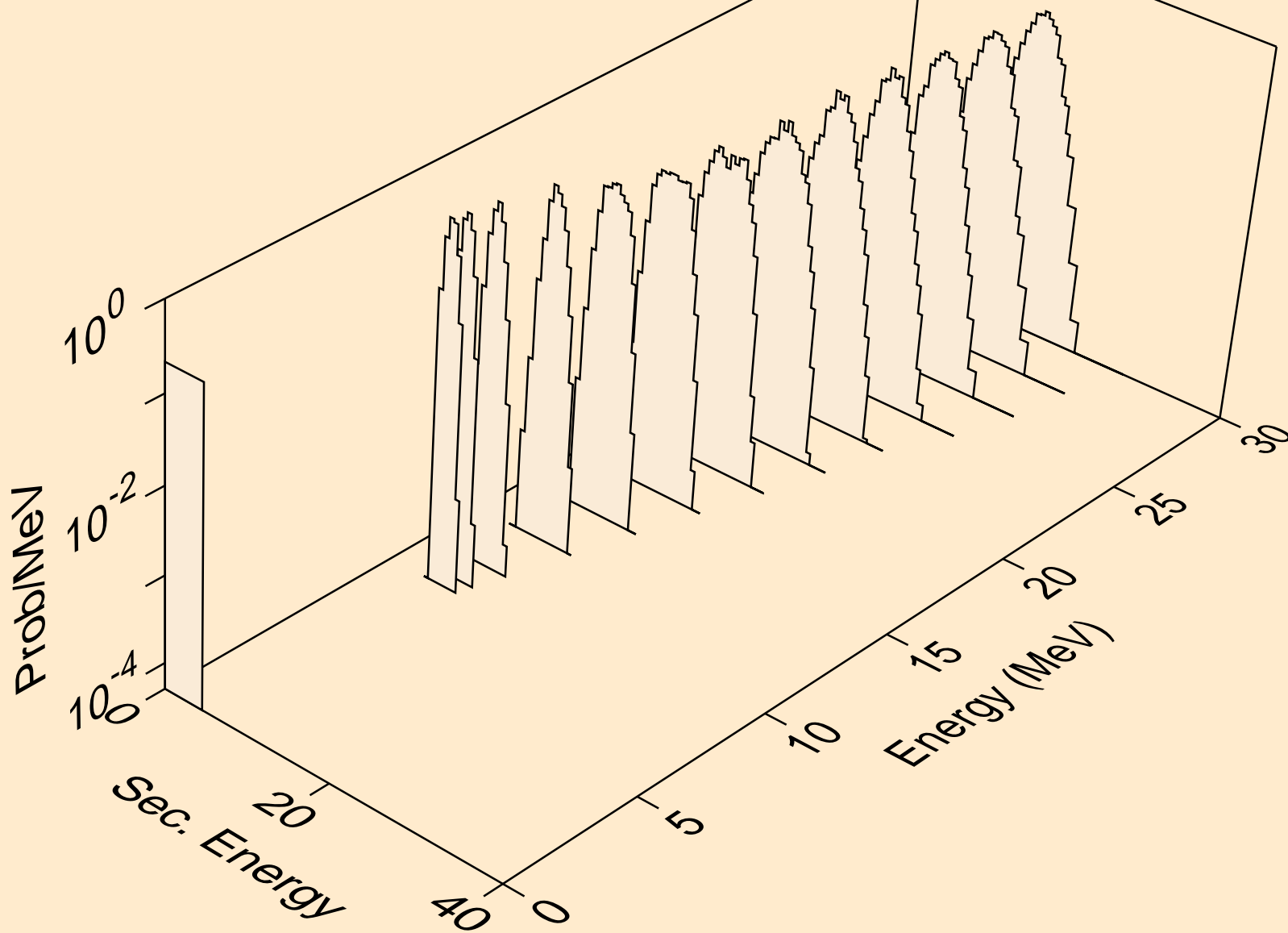
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



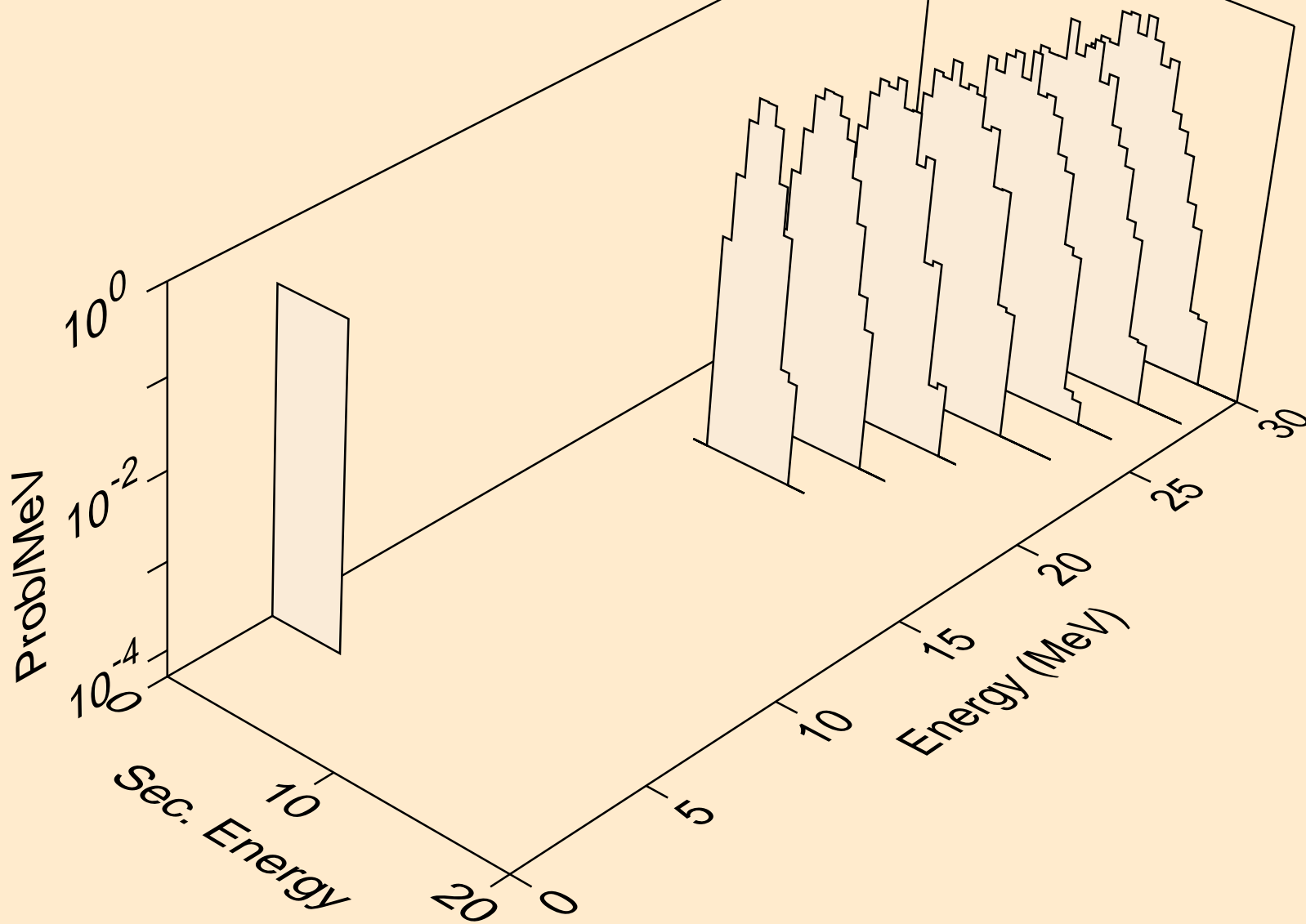
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



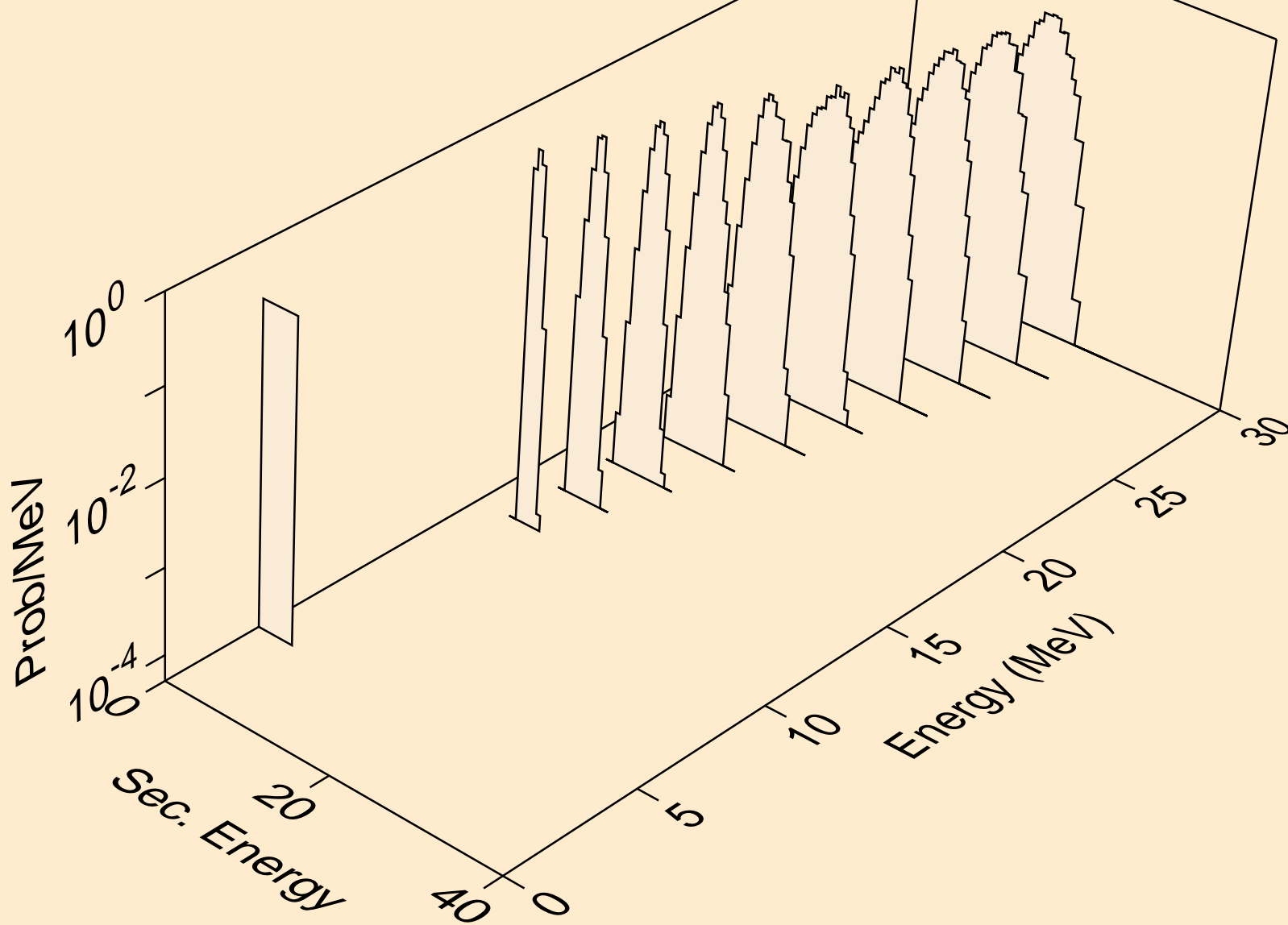
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a



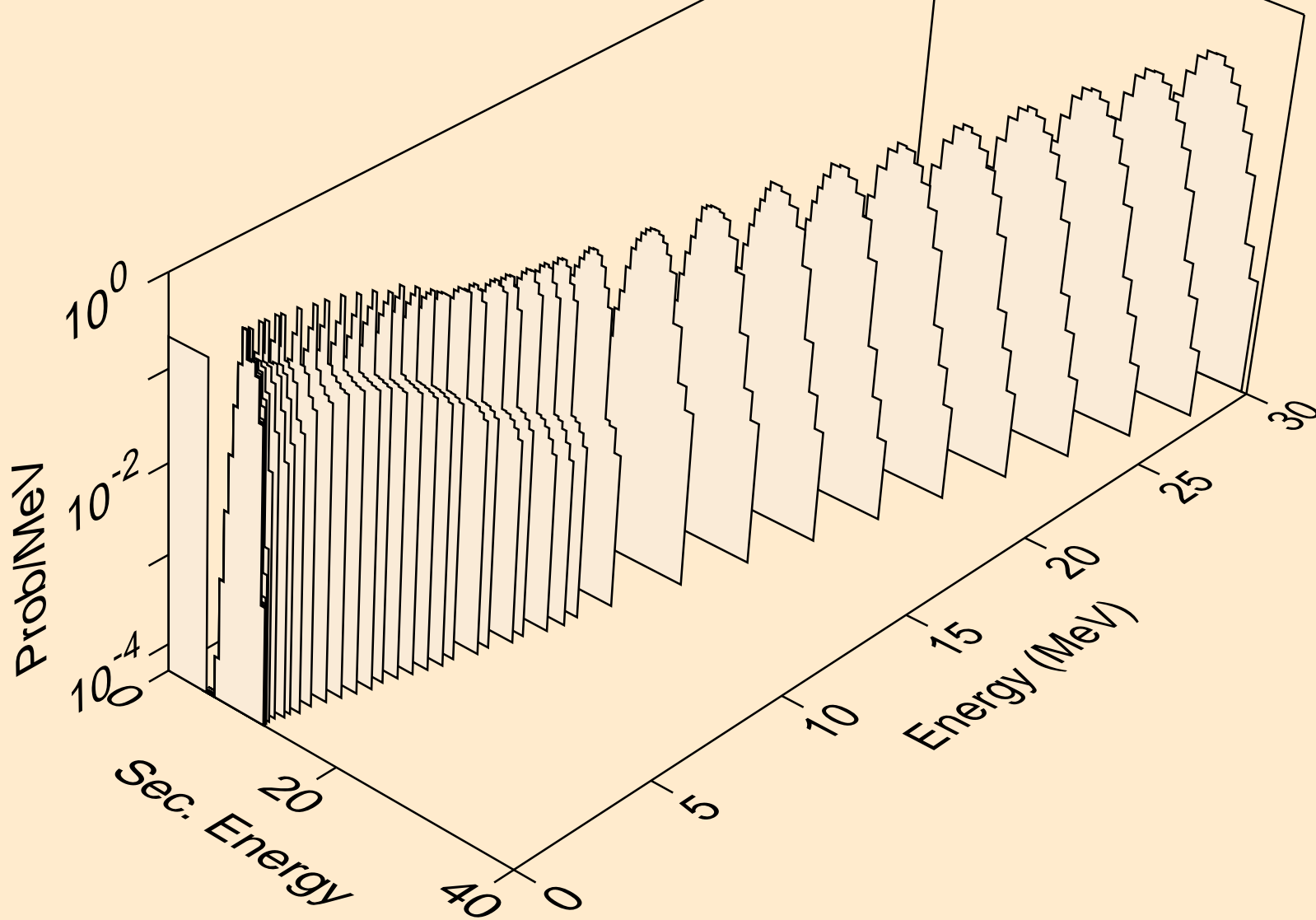
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)2a



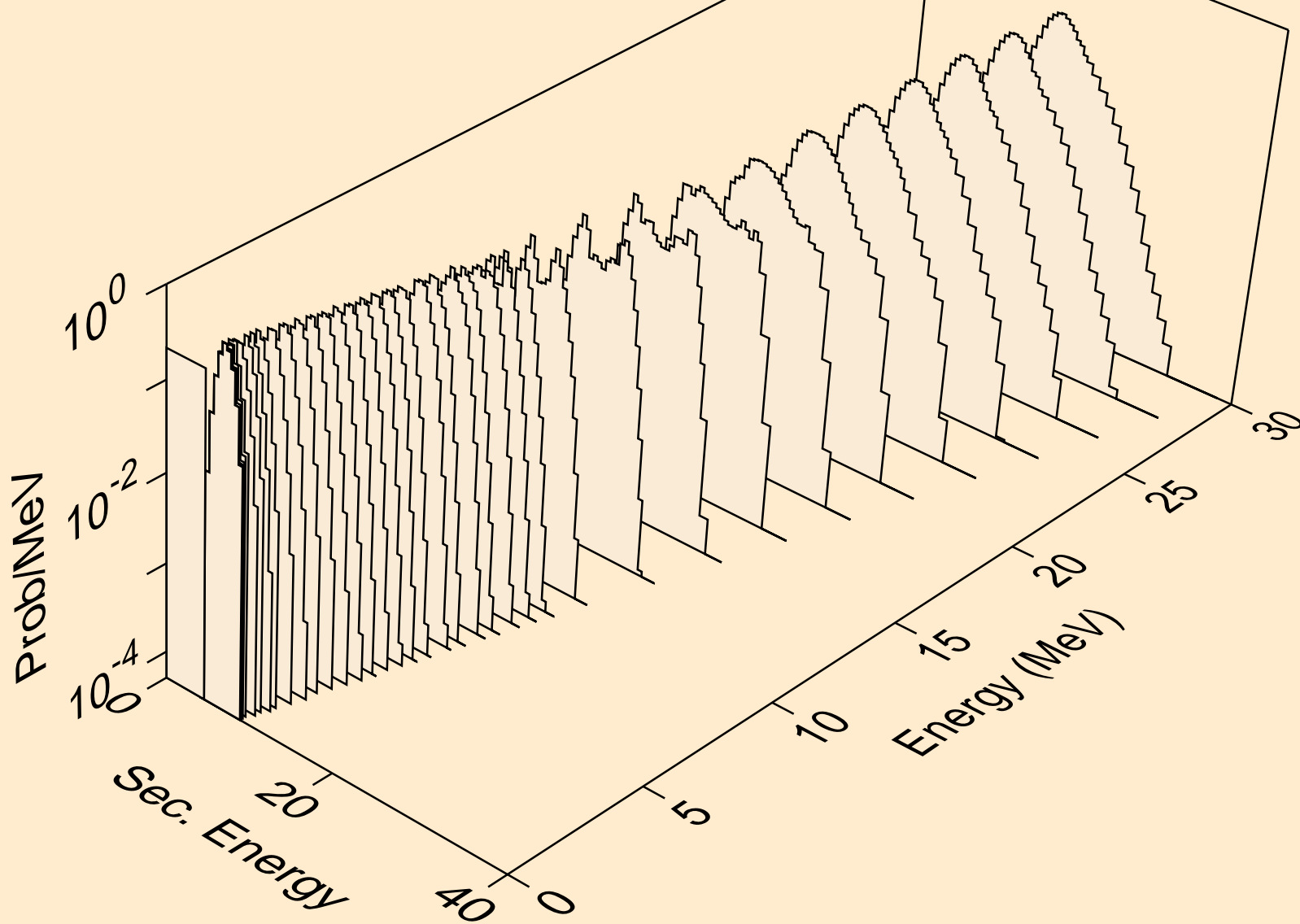
GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)



GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)

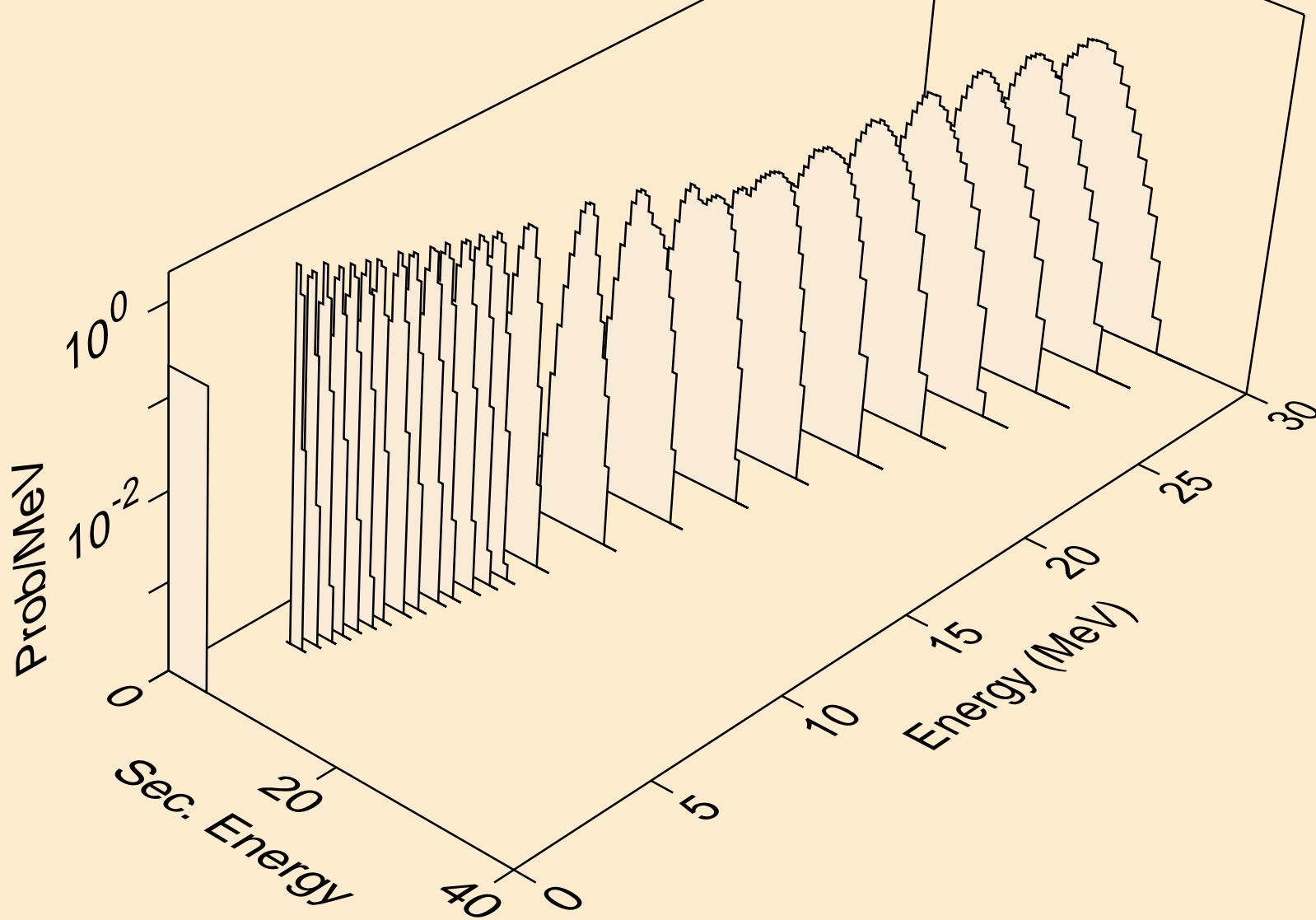


GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)





GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



GD149 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

