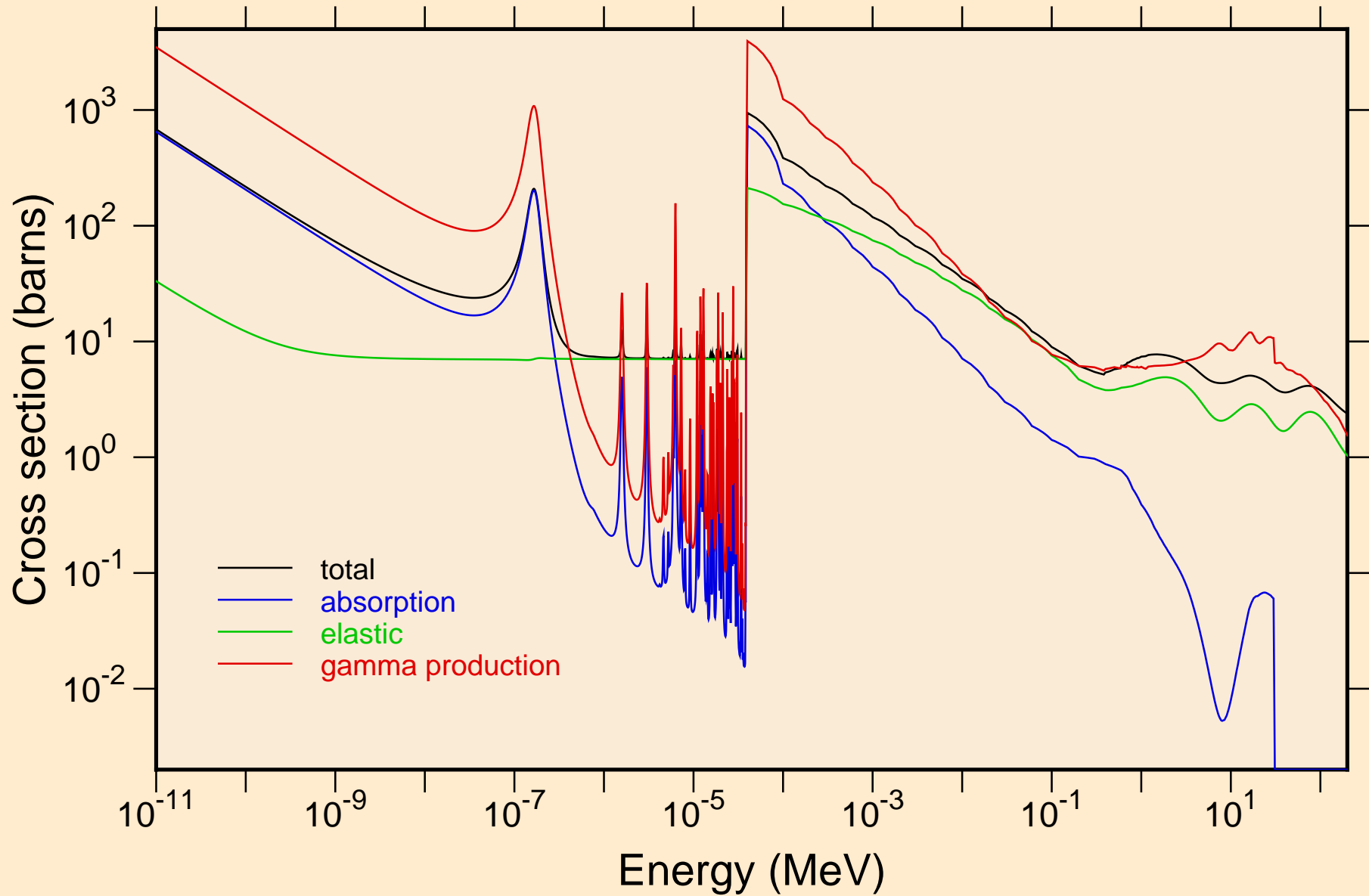
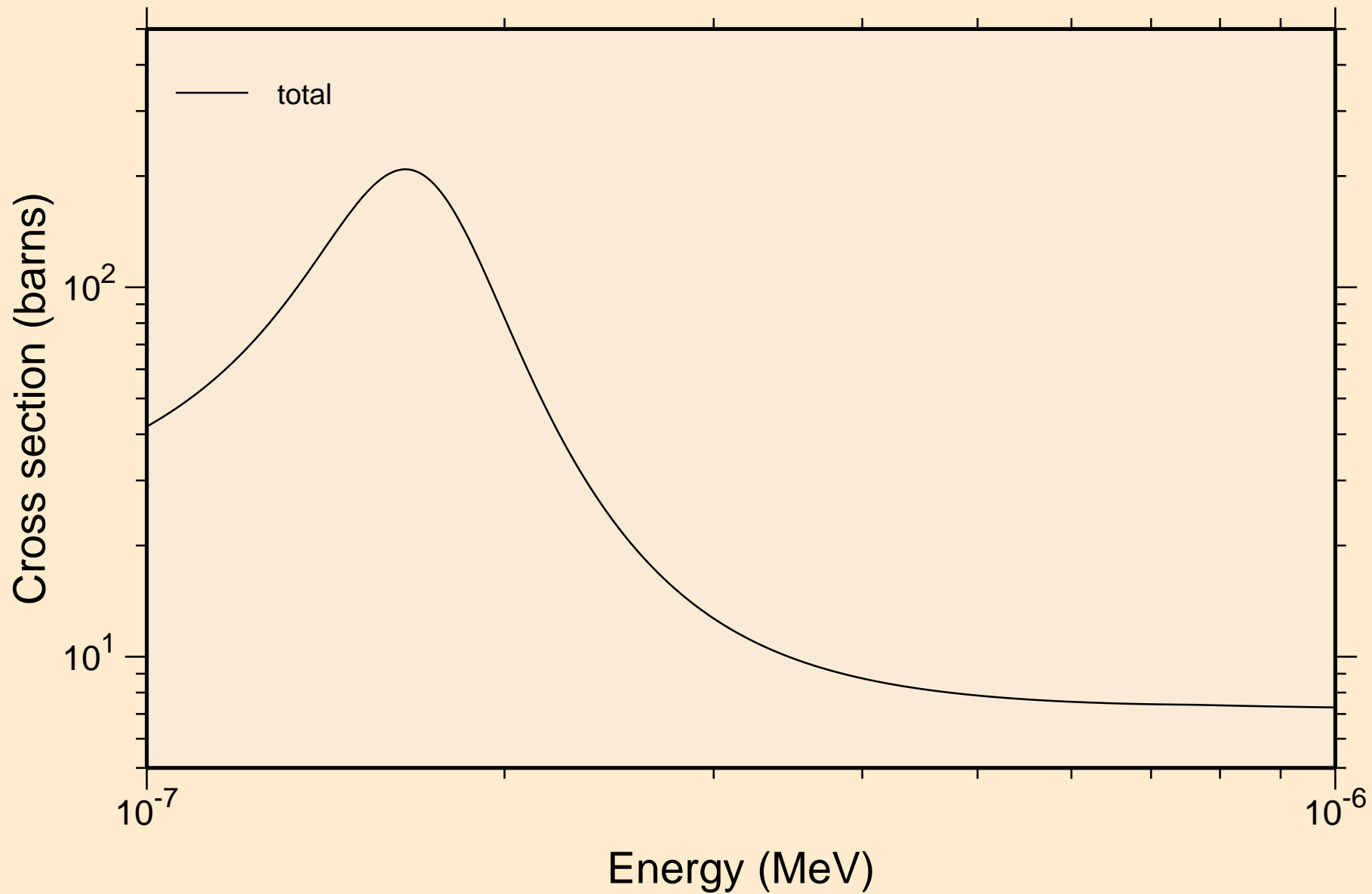


# GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

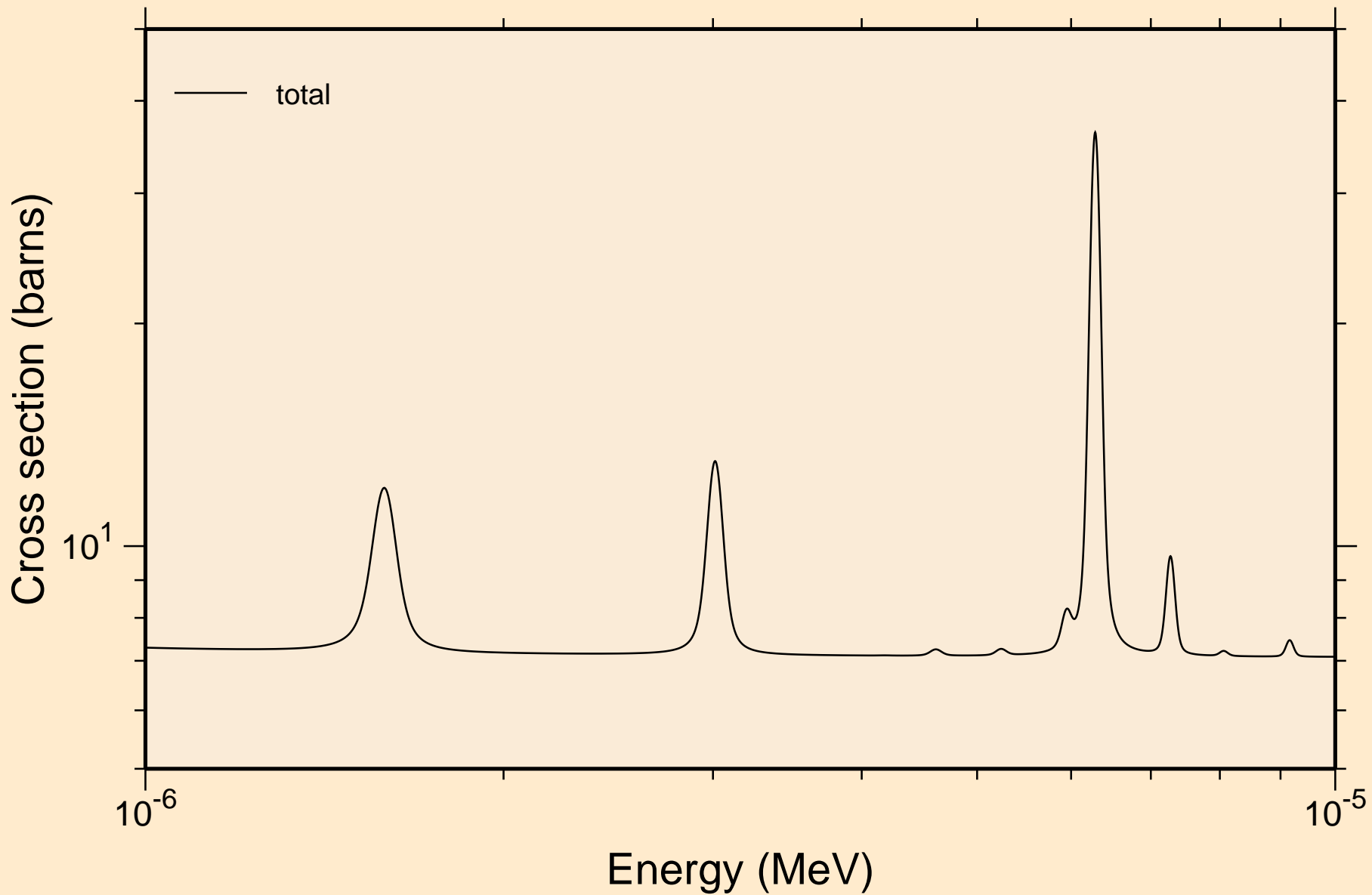
## Principal cross sections



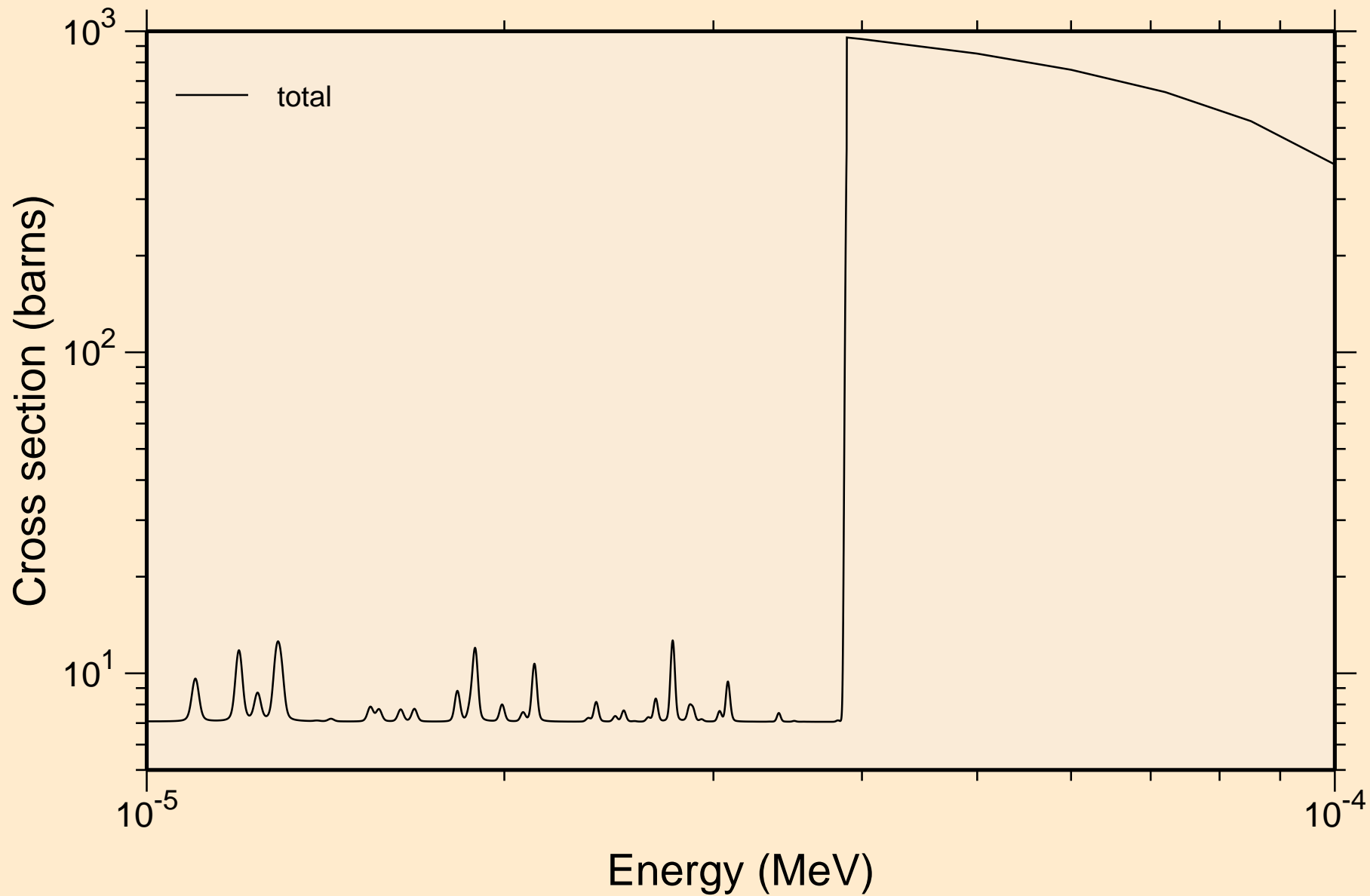
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



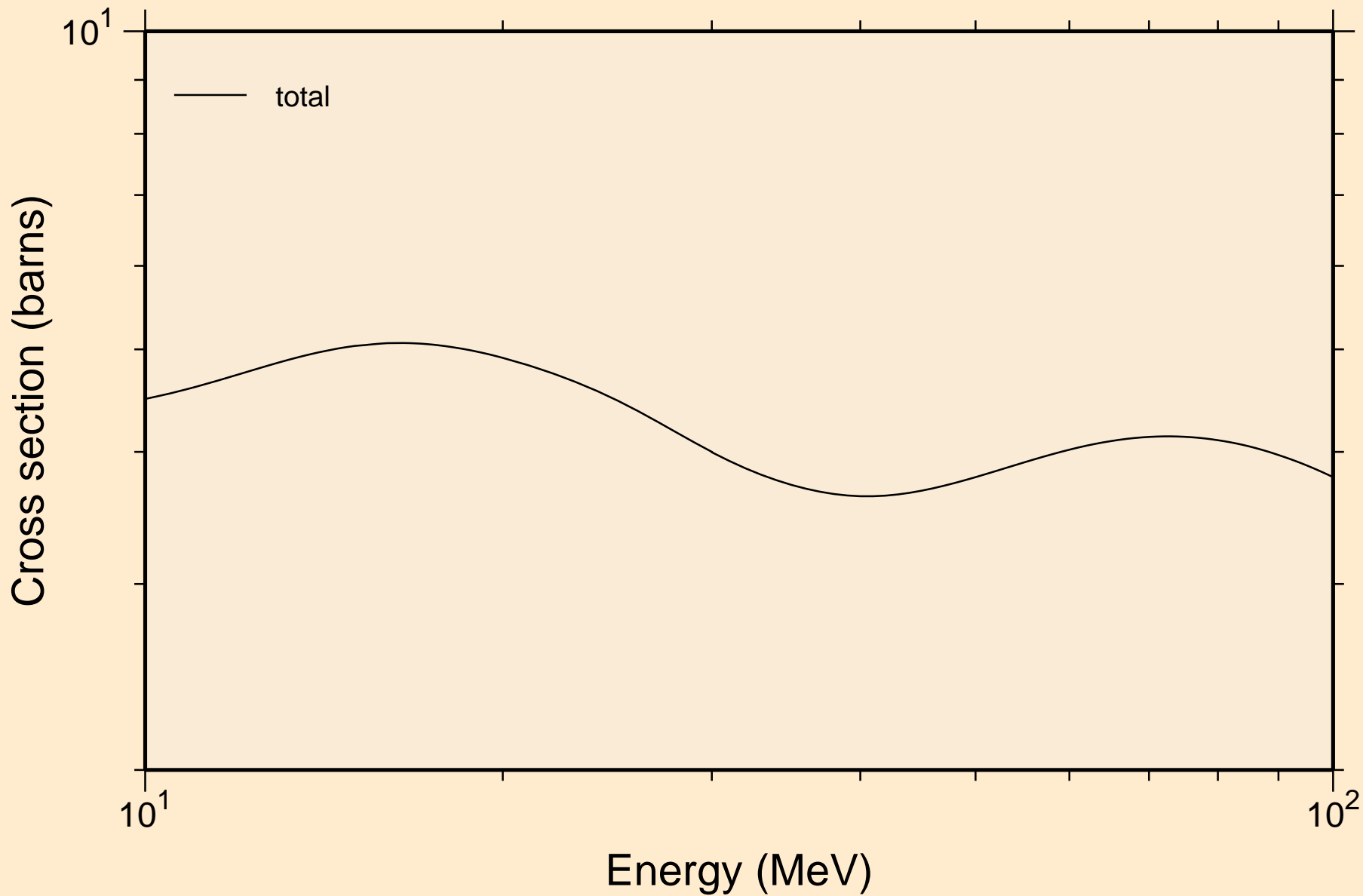
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



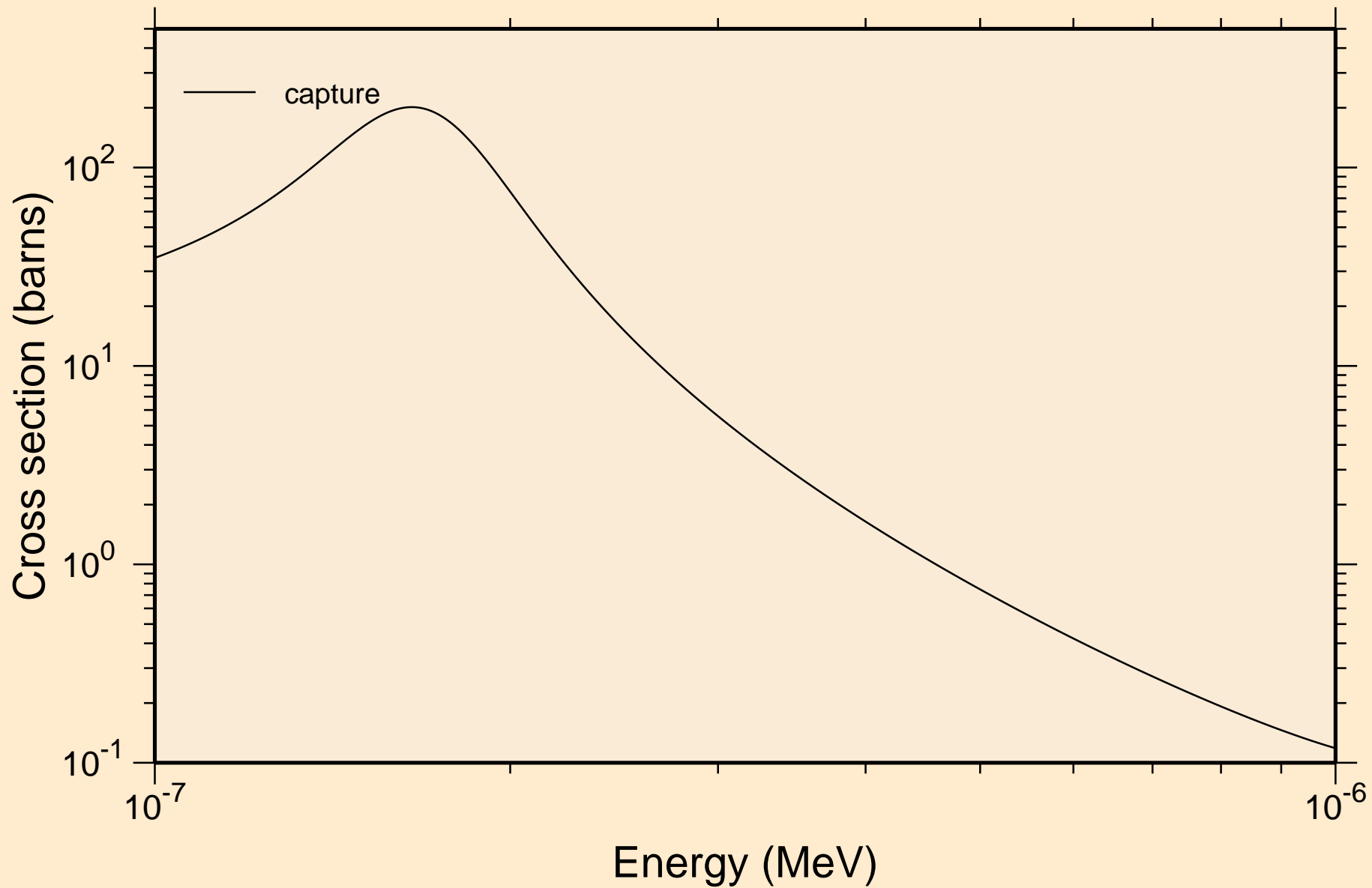
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



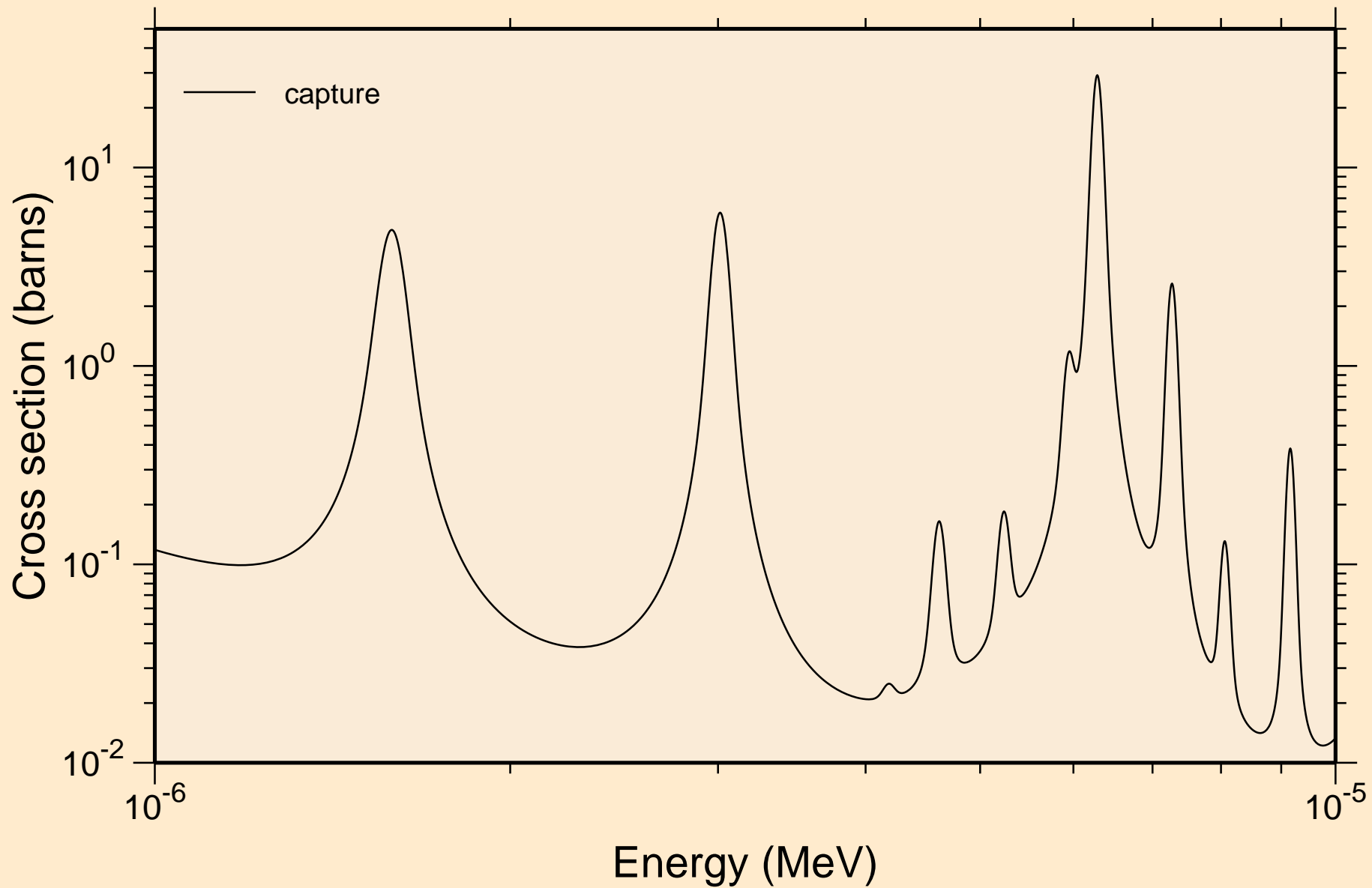
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



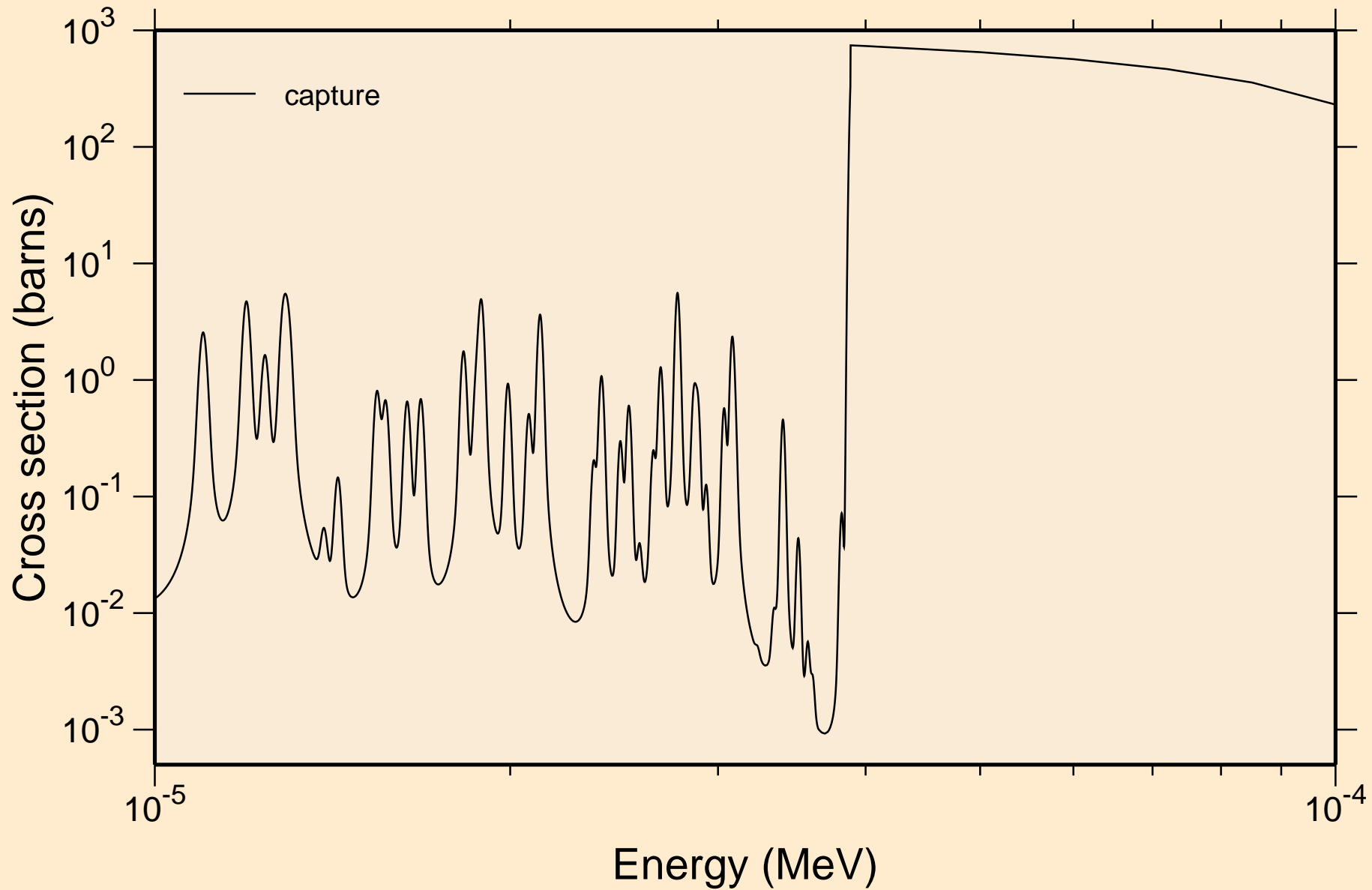
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

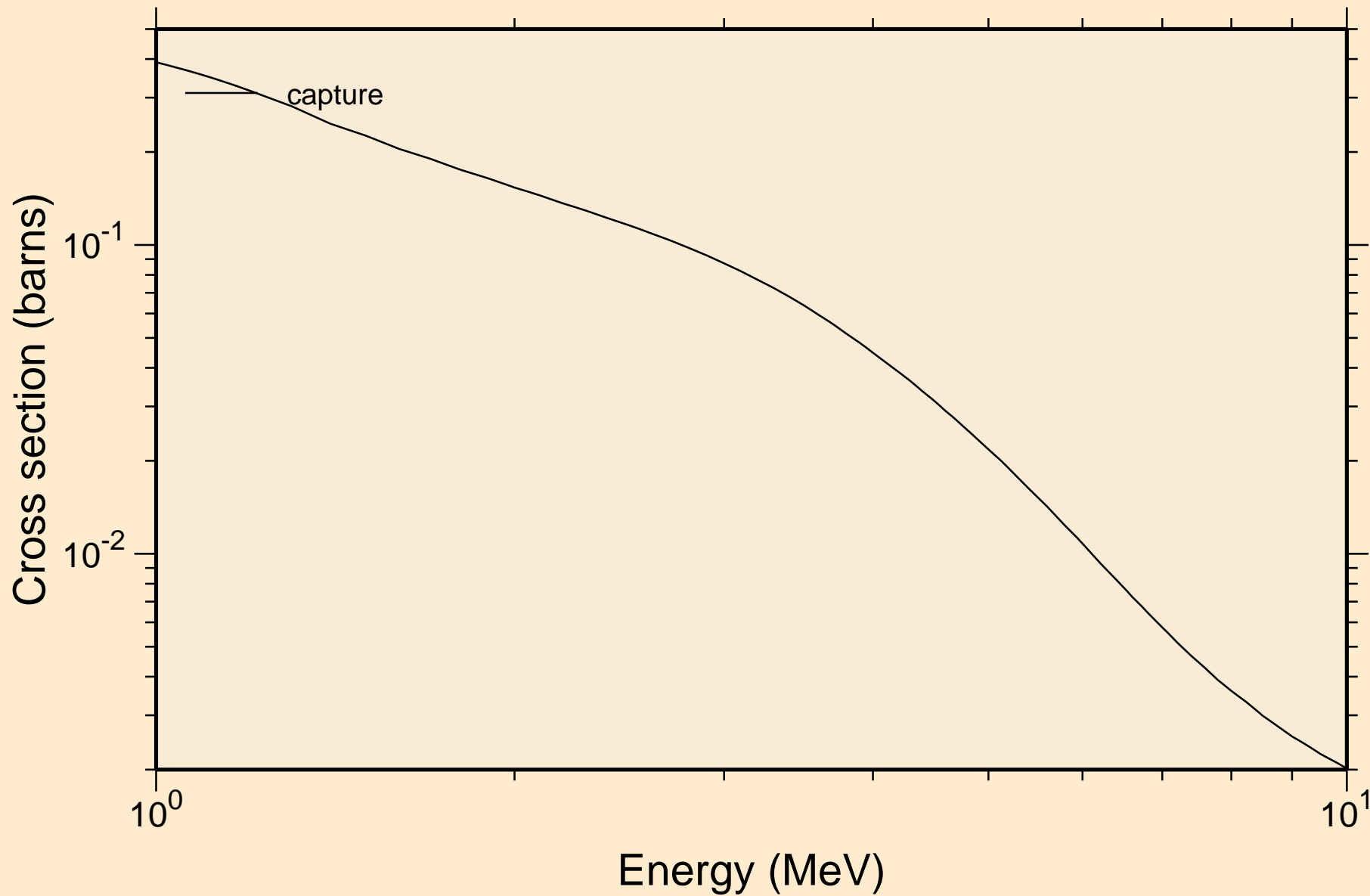


GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

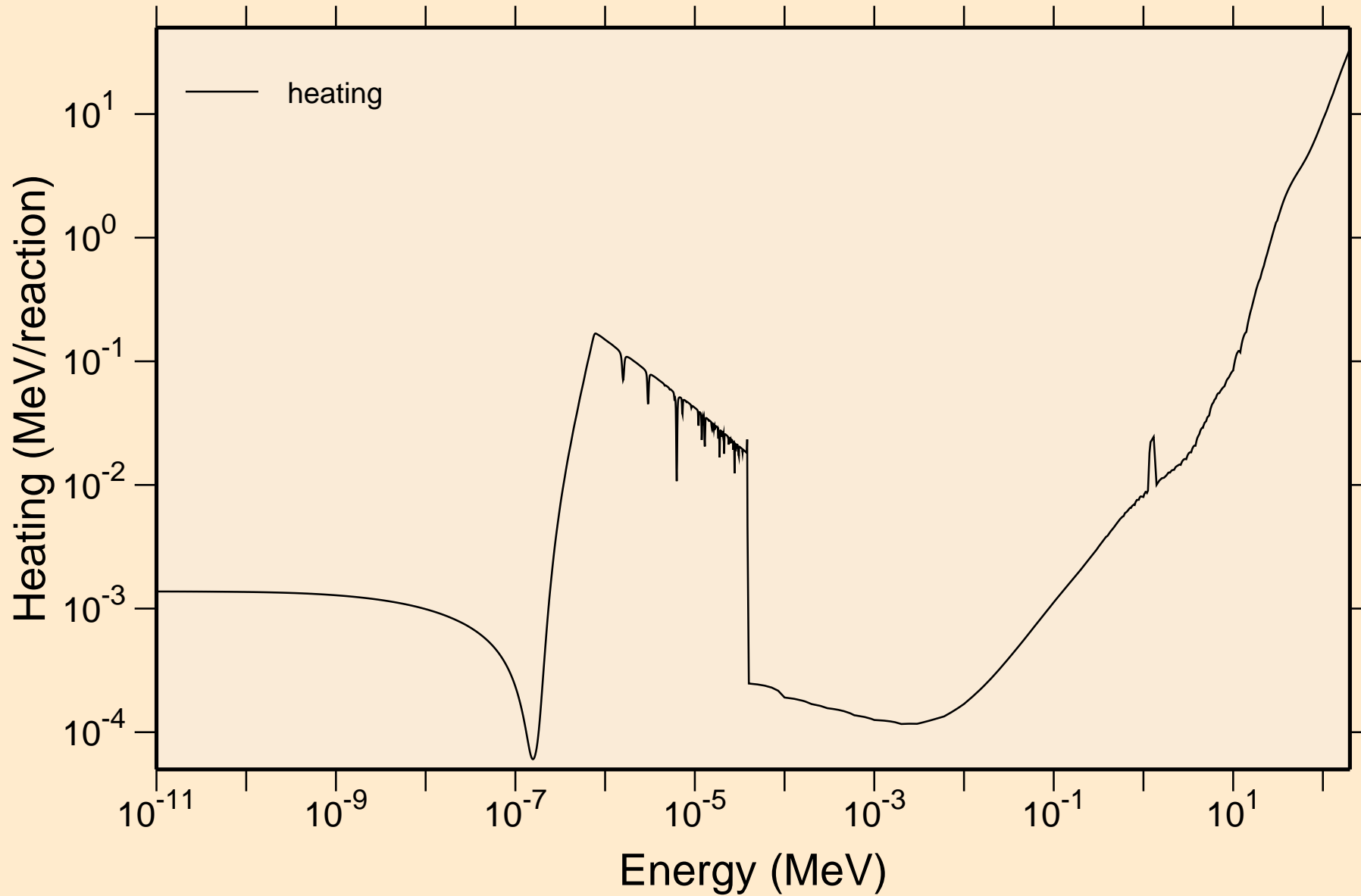




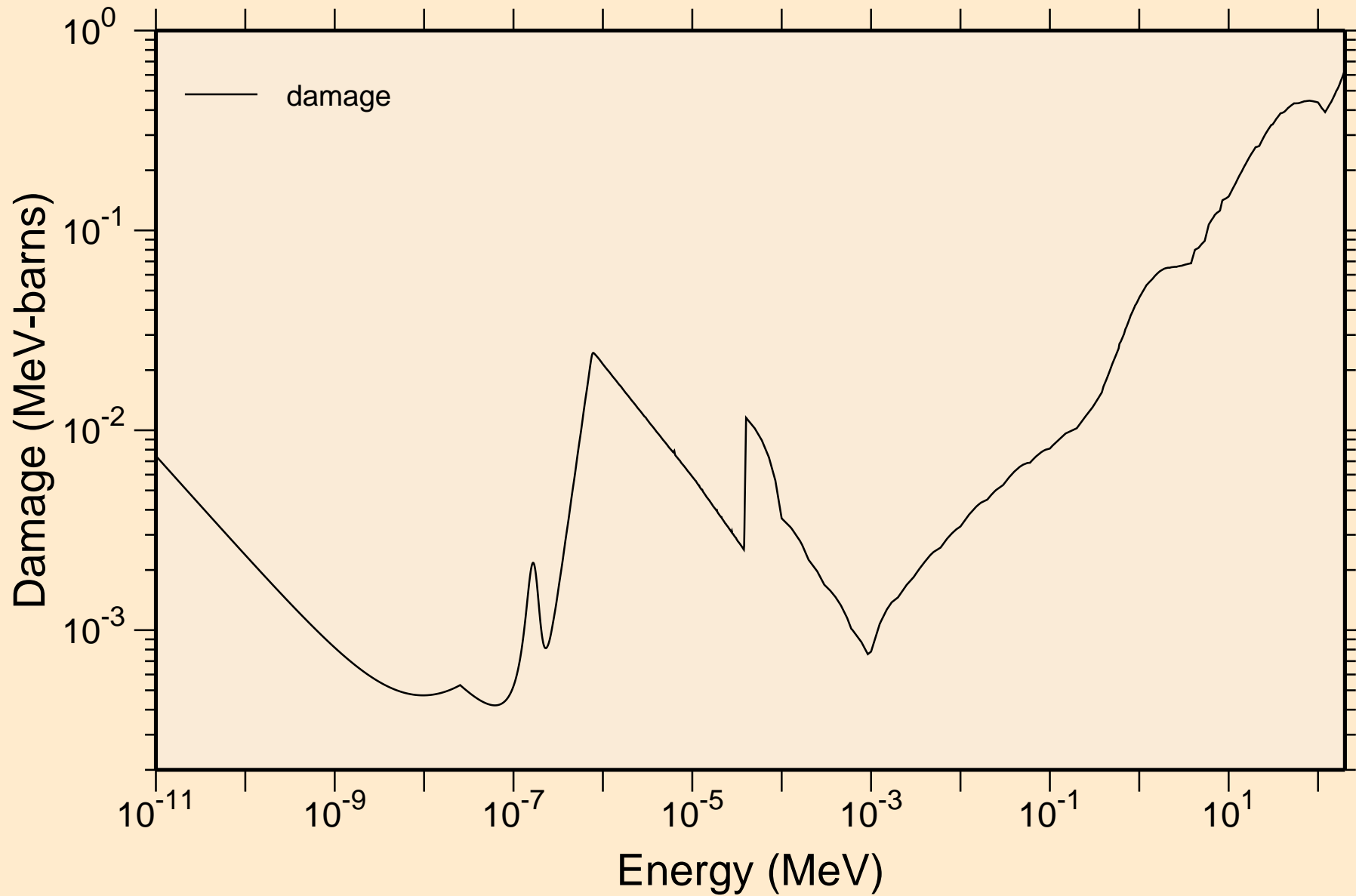
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



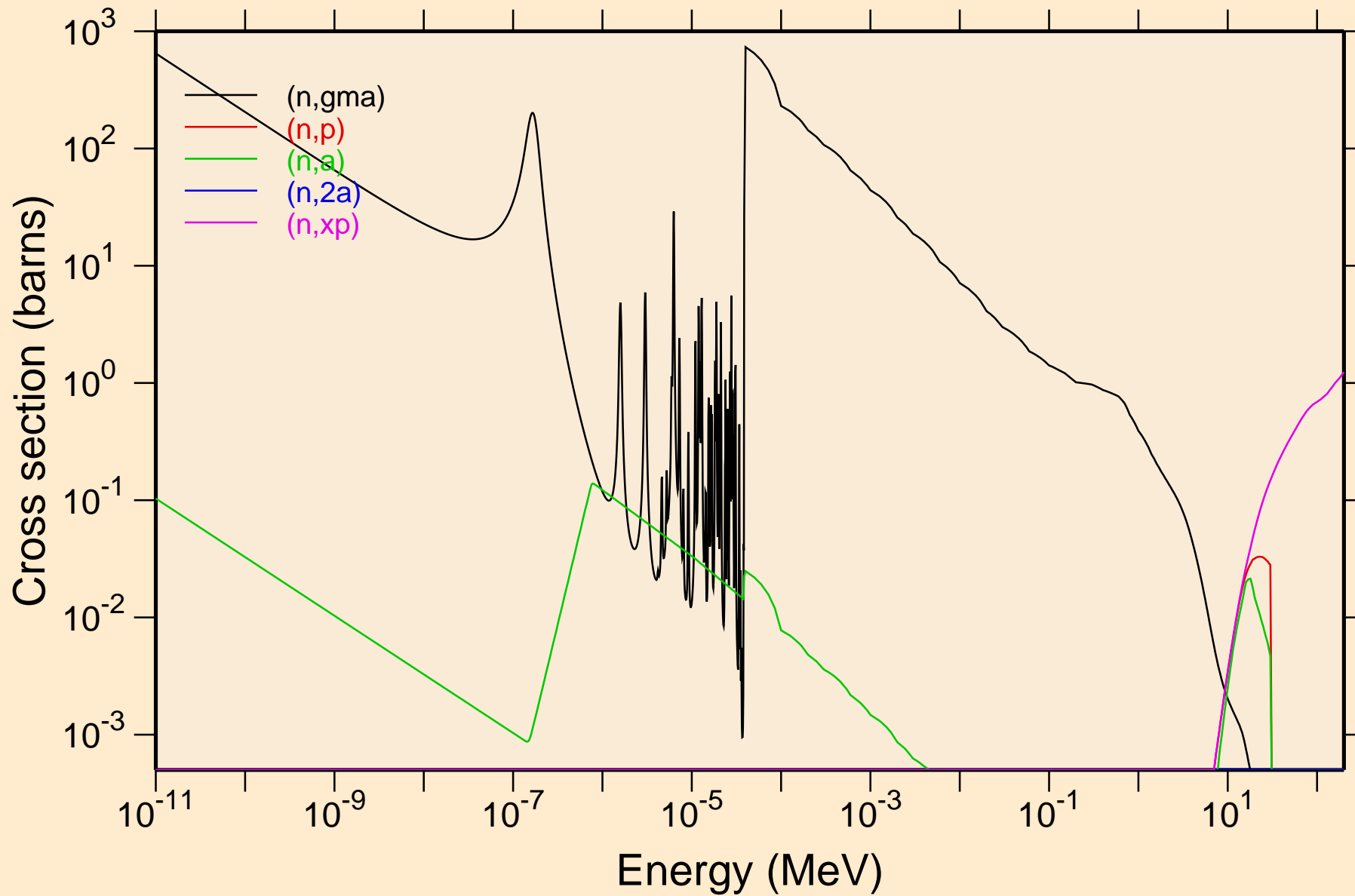
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



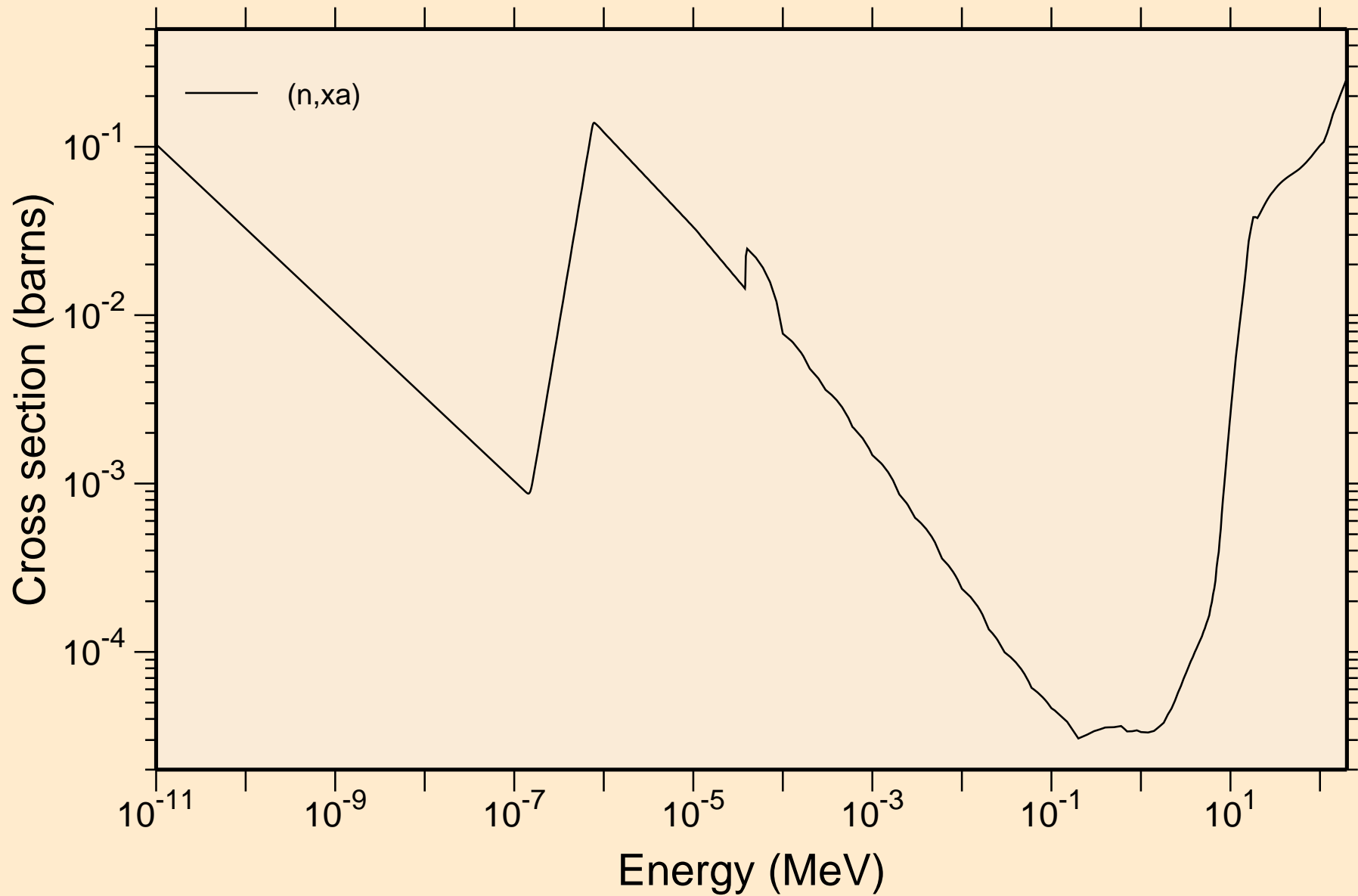
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage



GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

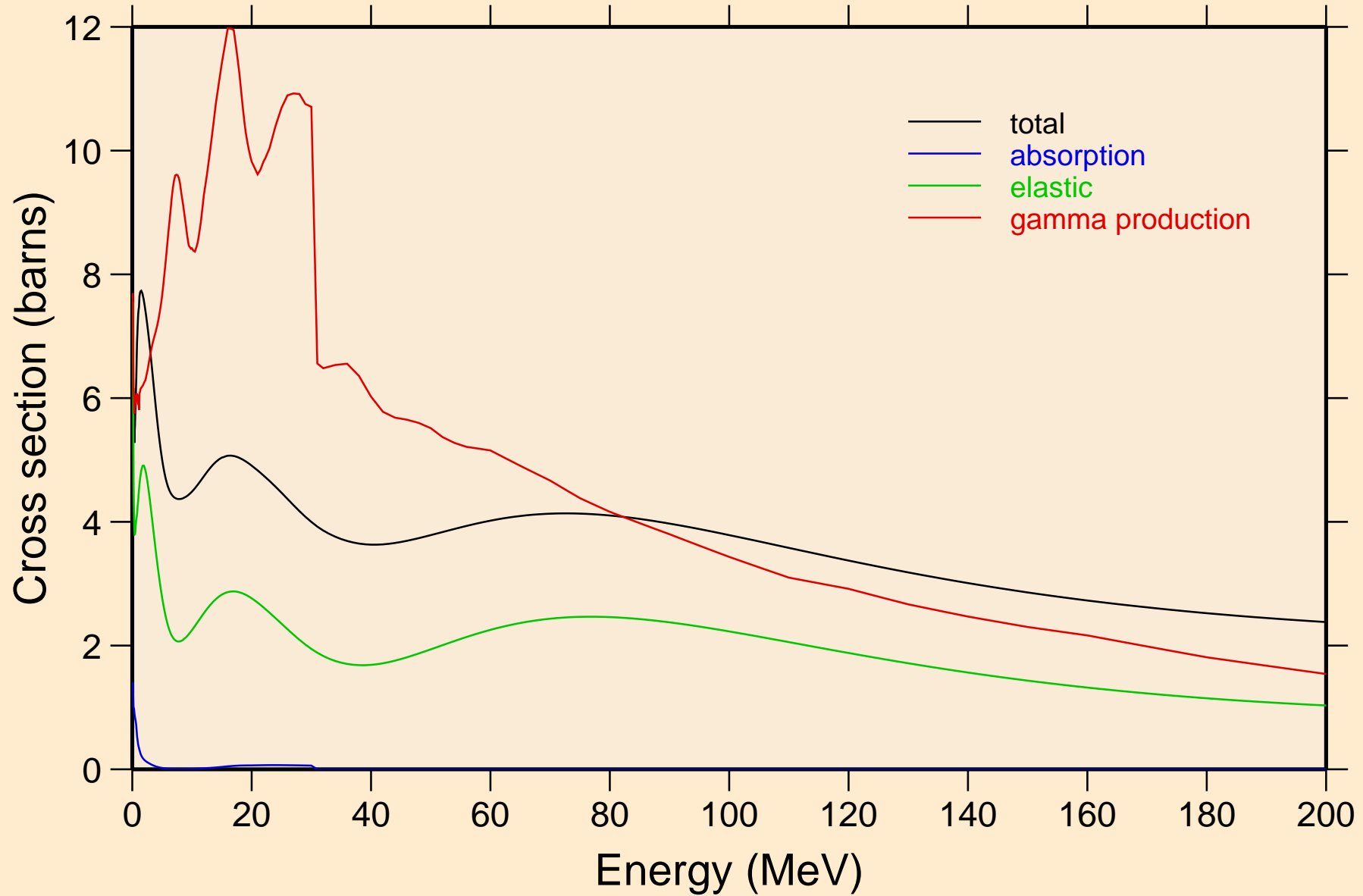


GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

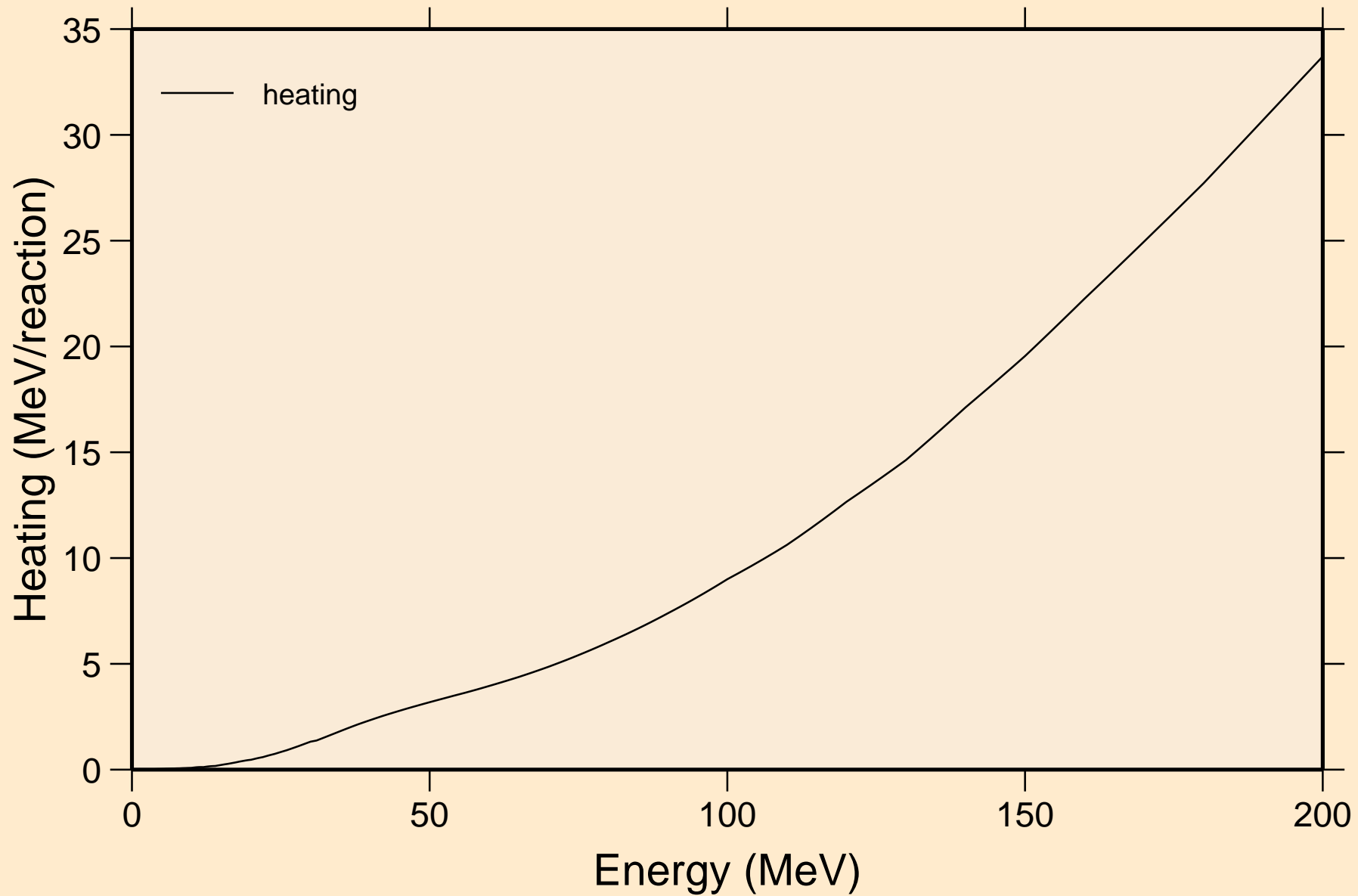


# GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

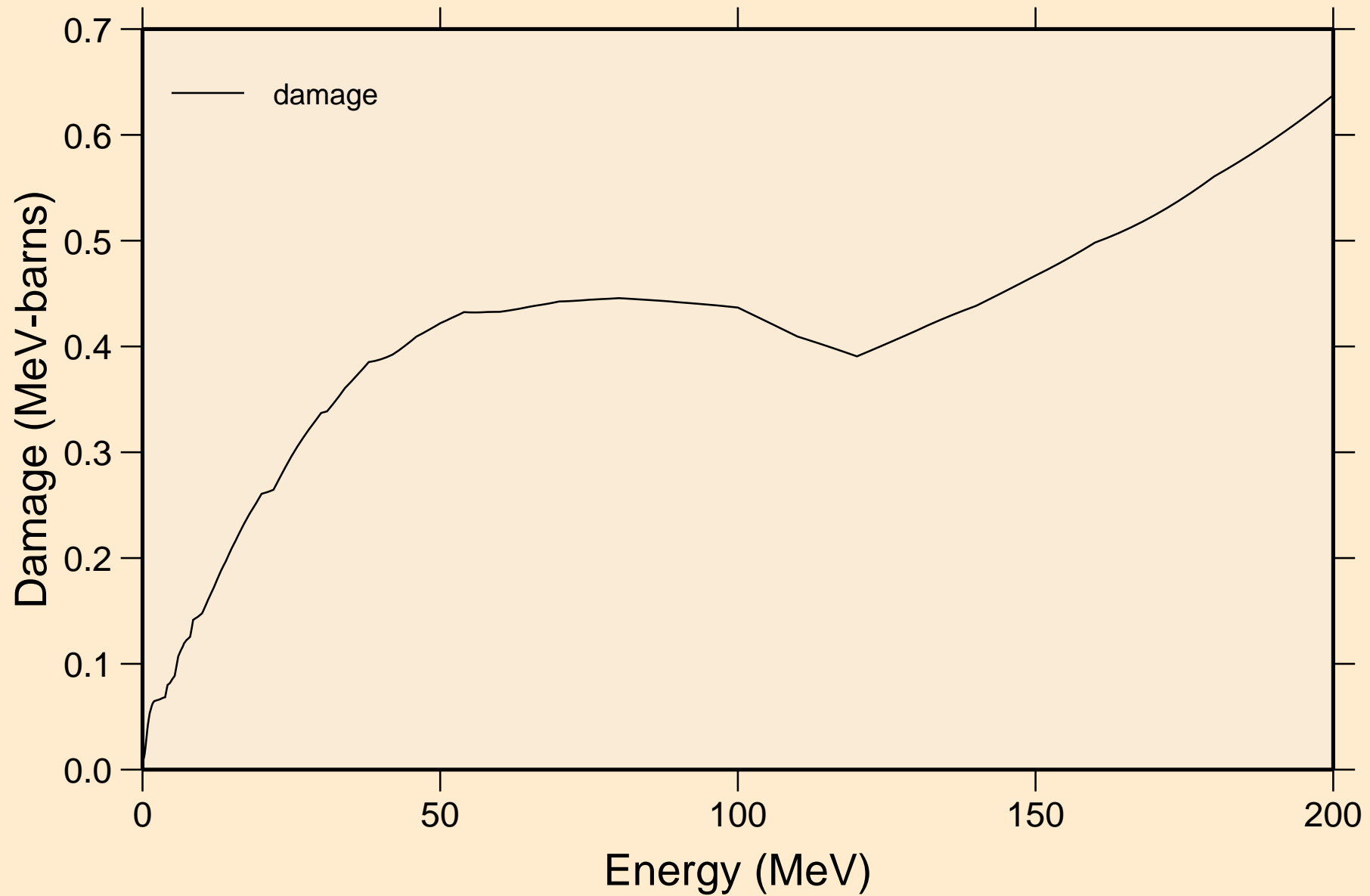
## Principal cross sections



GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



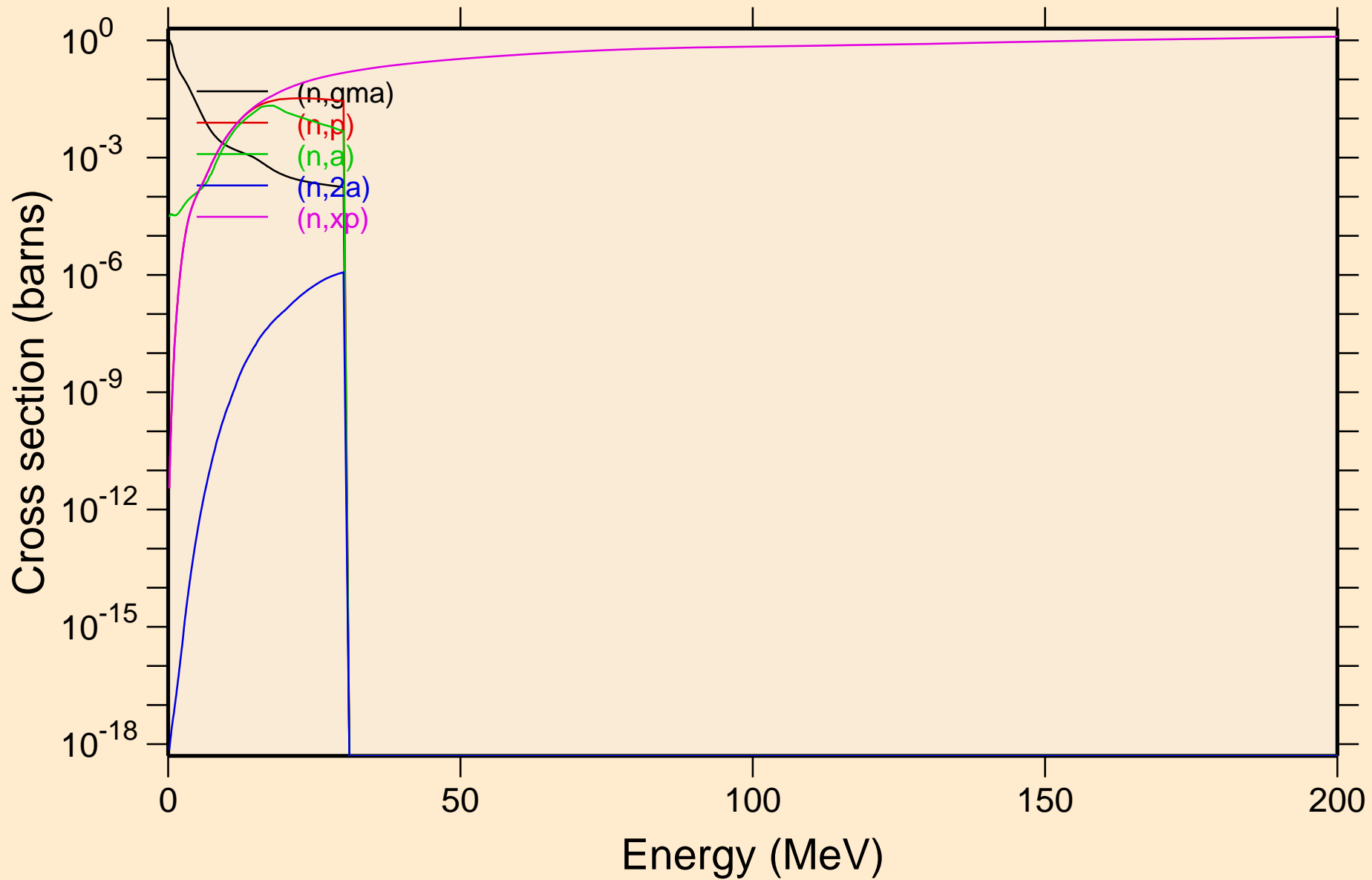
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Damage



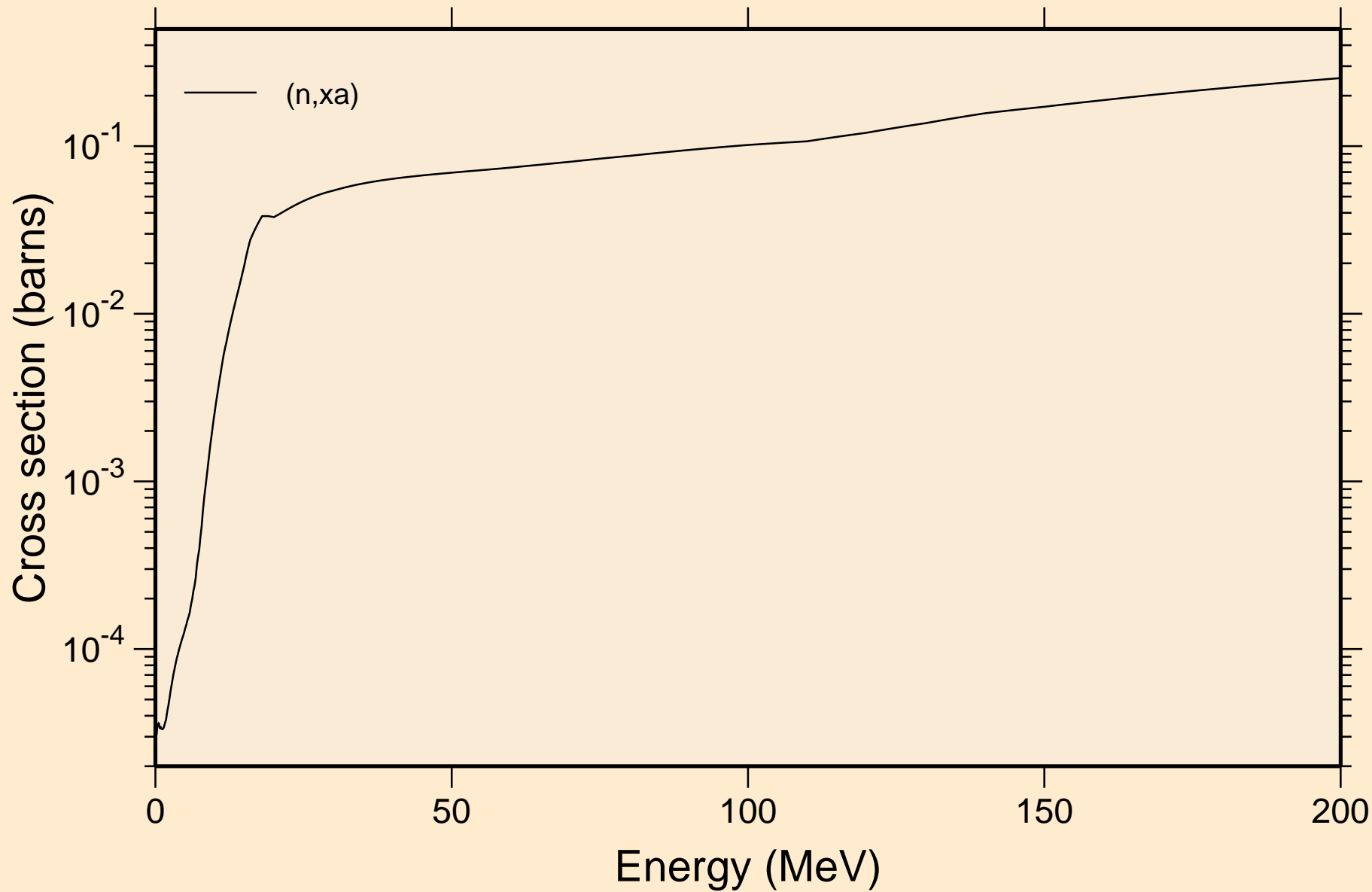


# GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

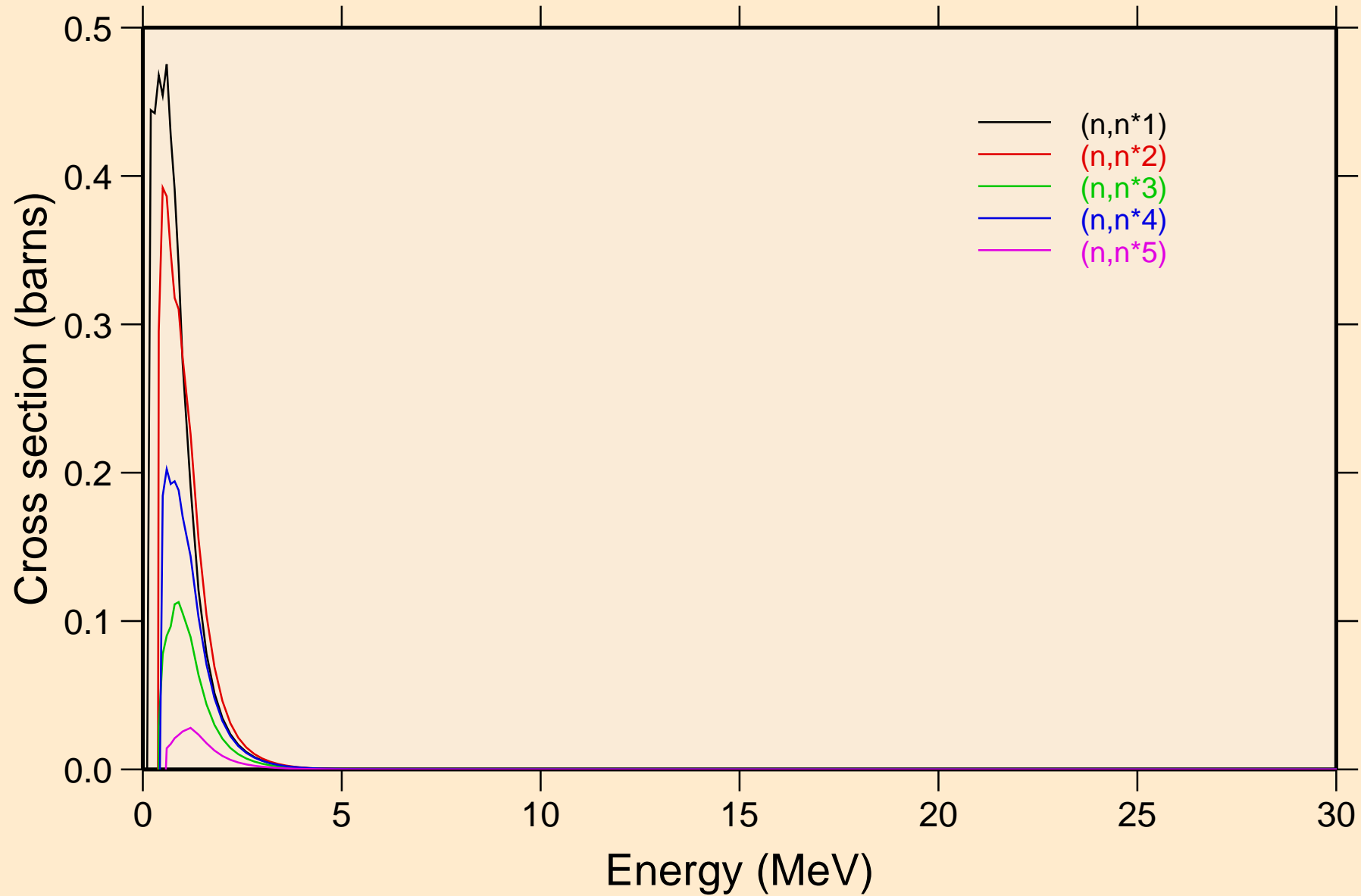
## Non-threshold reactions



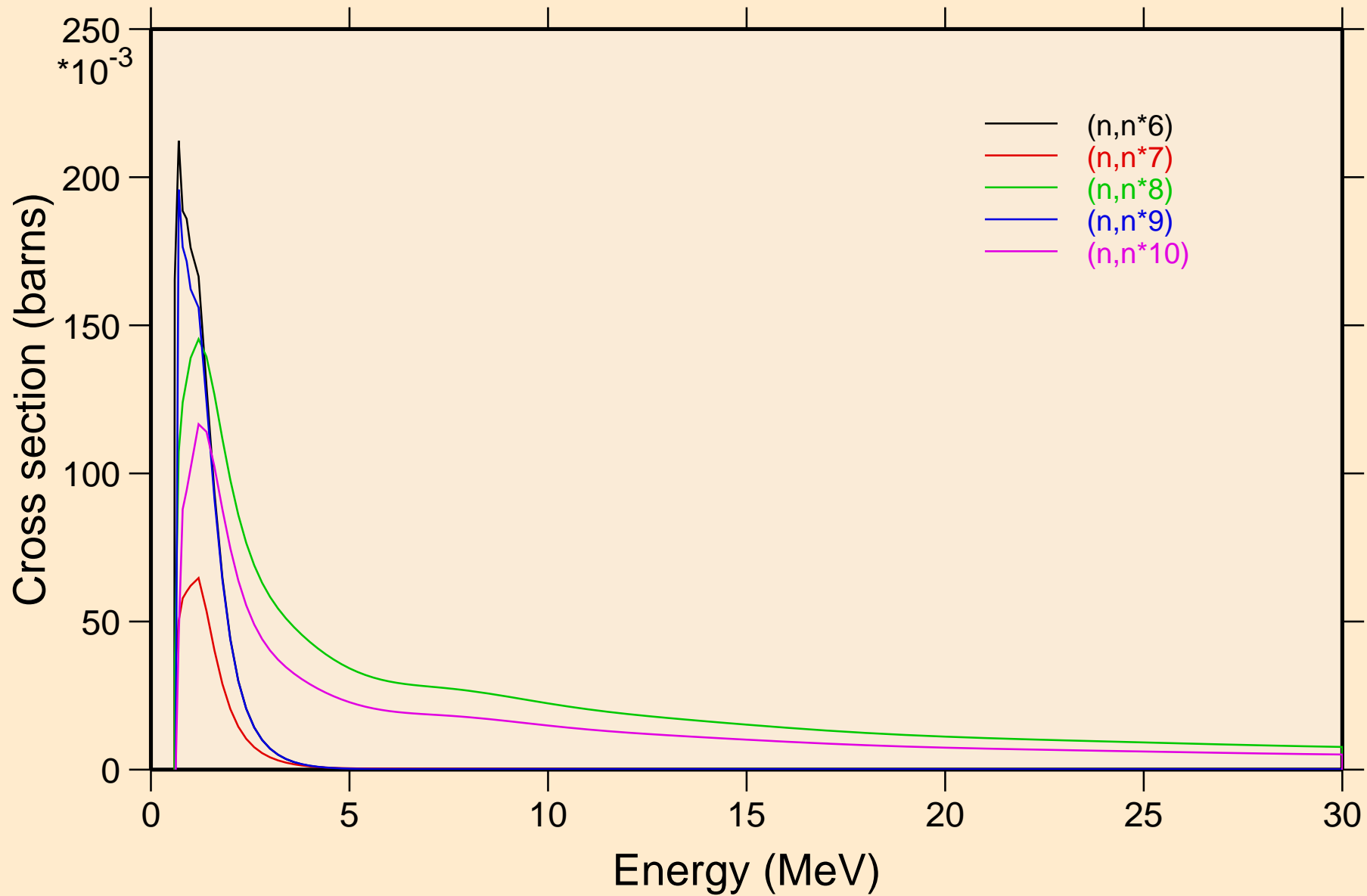
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



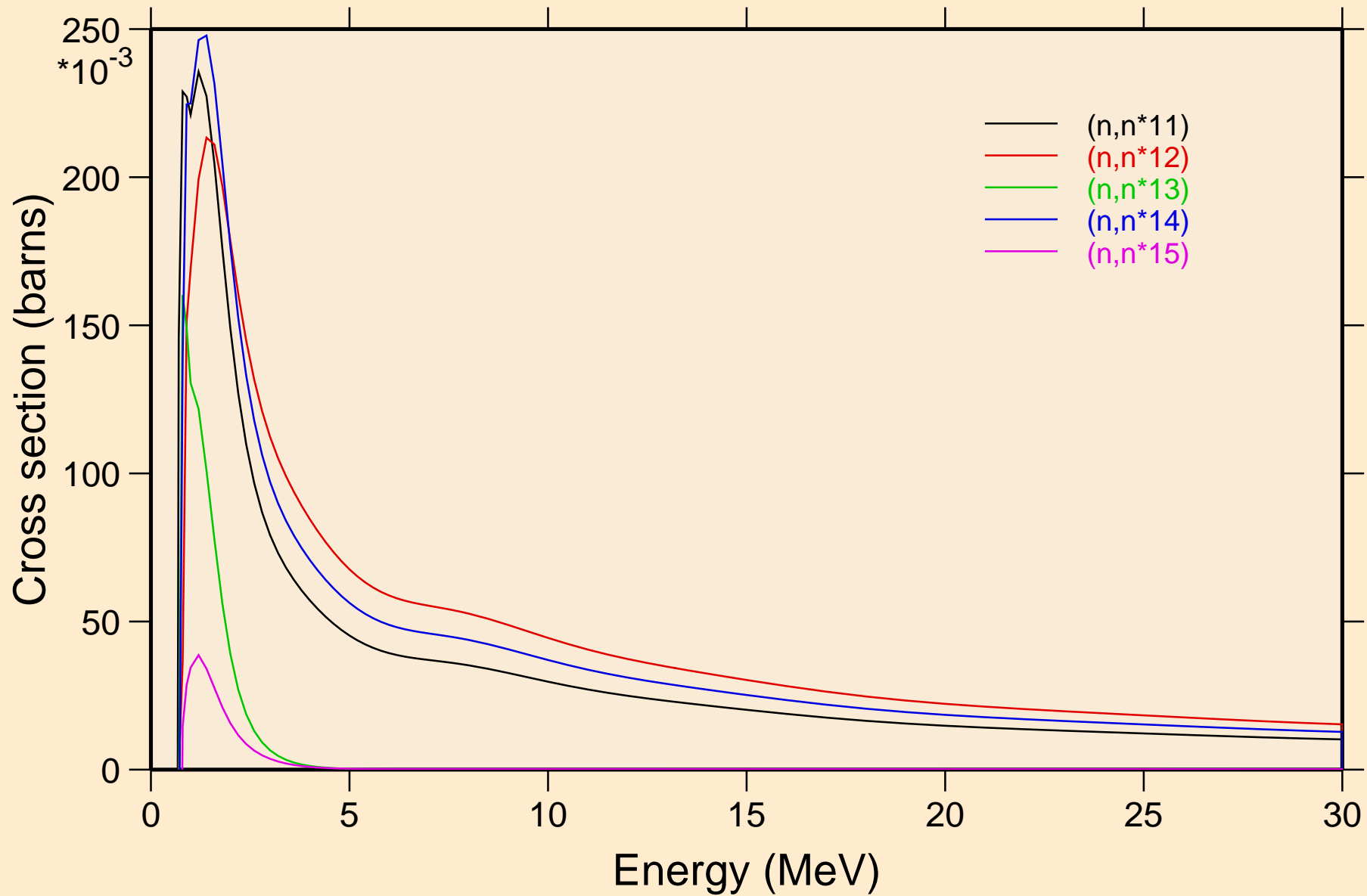
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



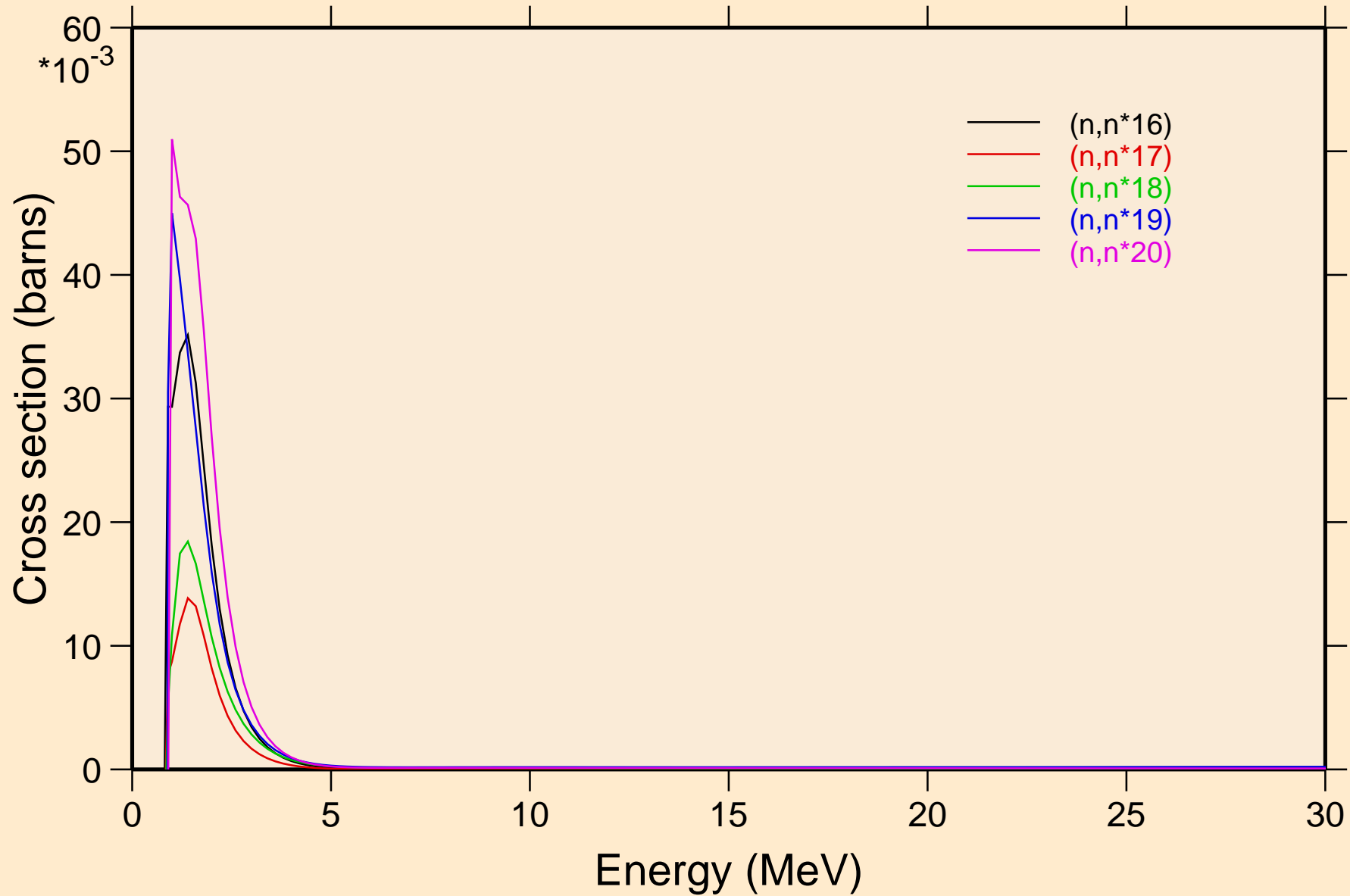
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



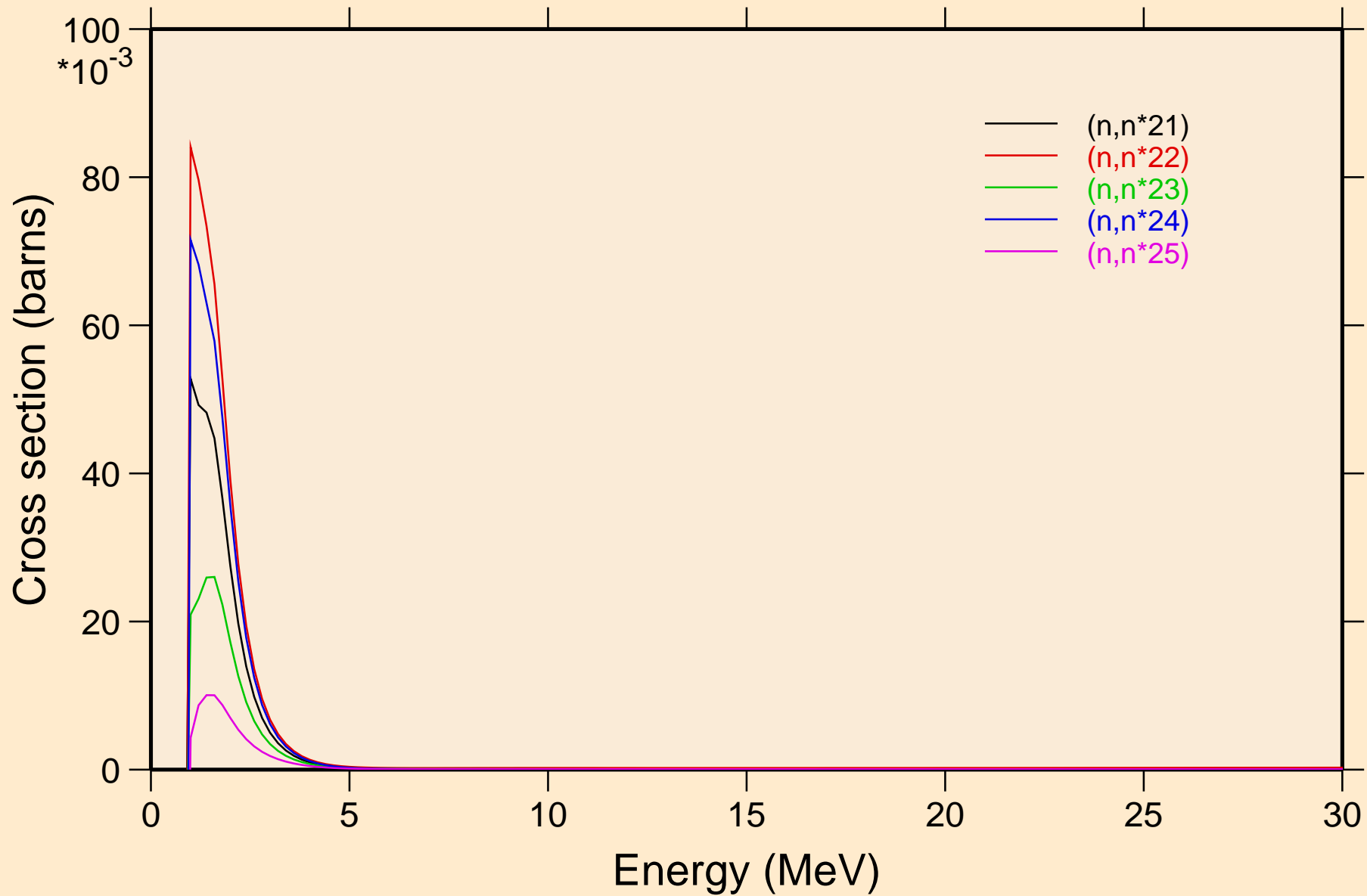
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



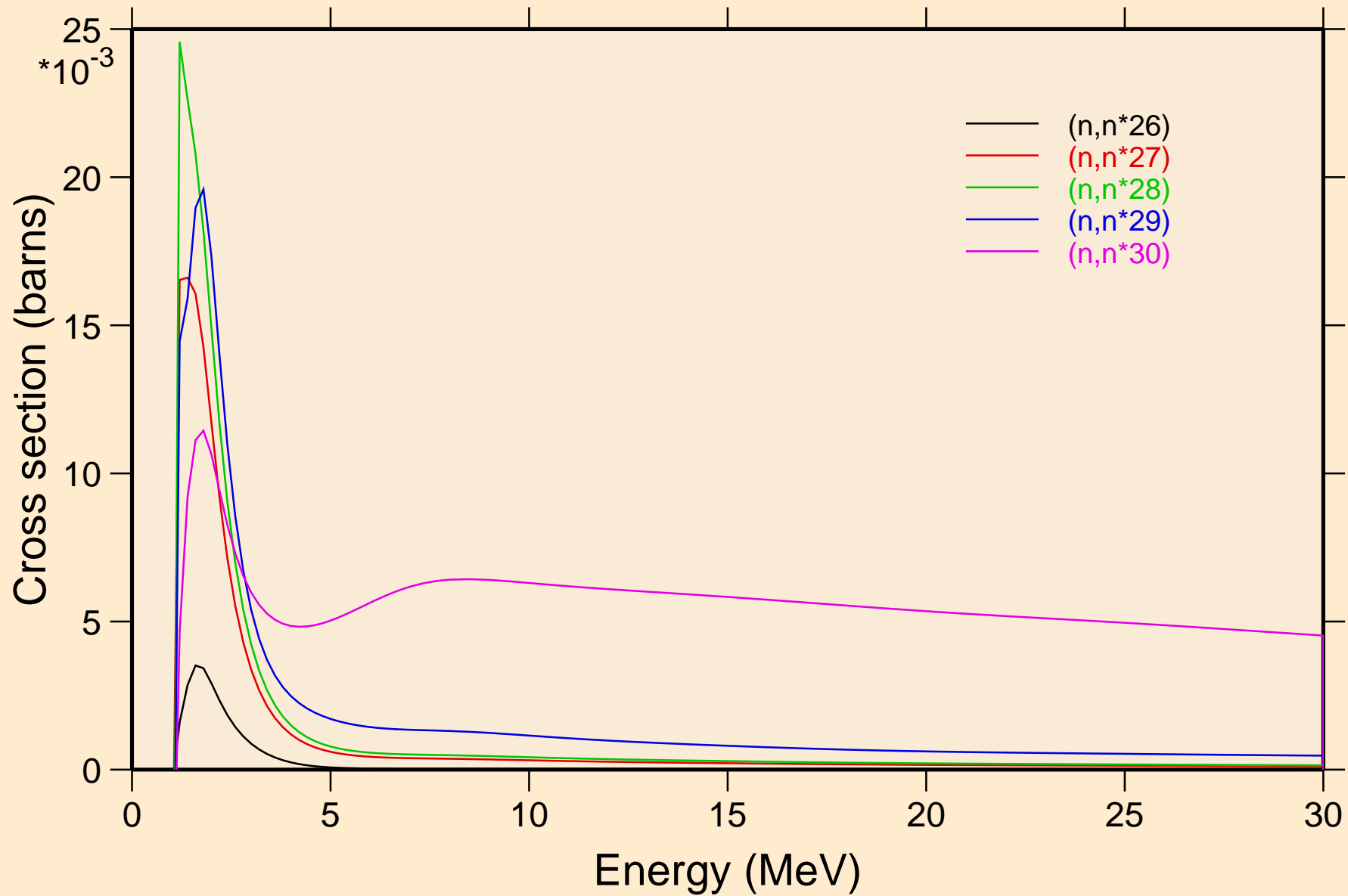
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



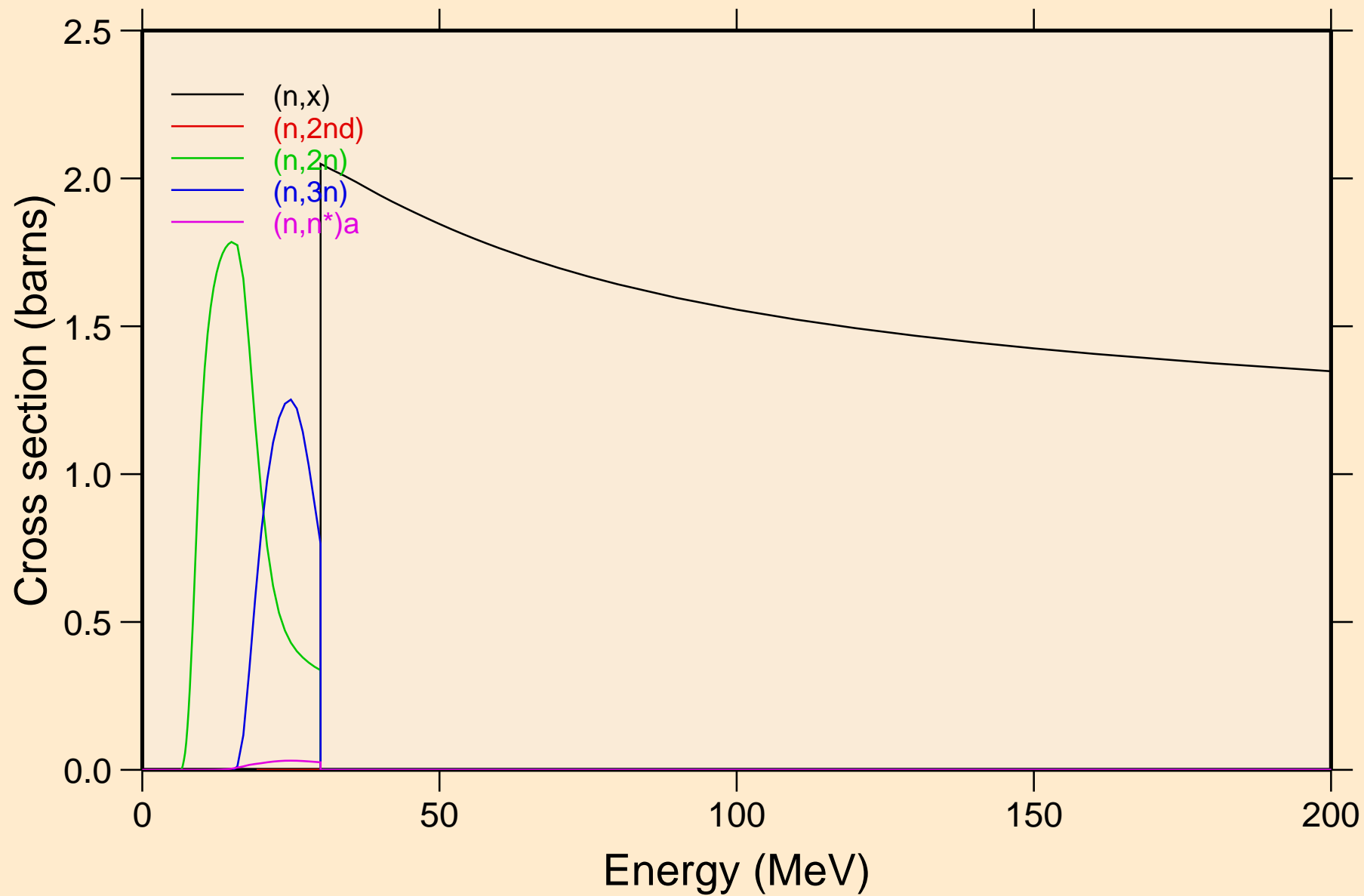
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



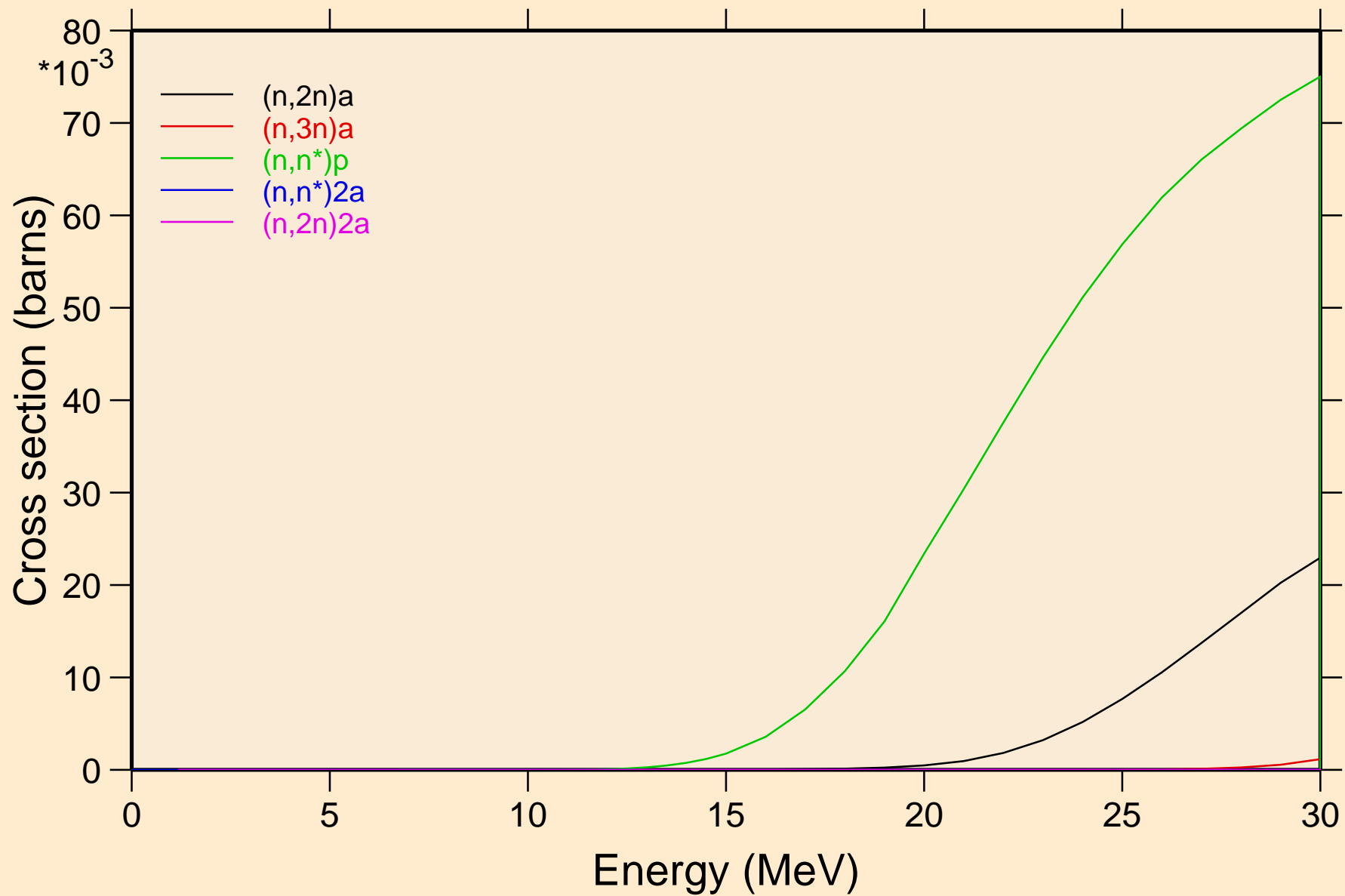


# GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

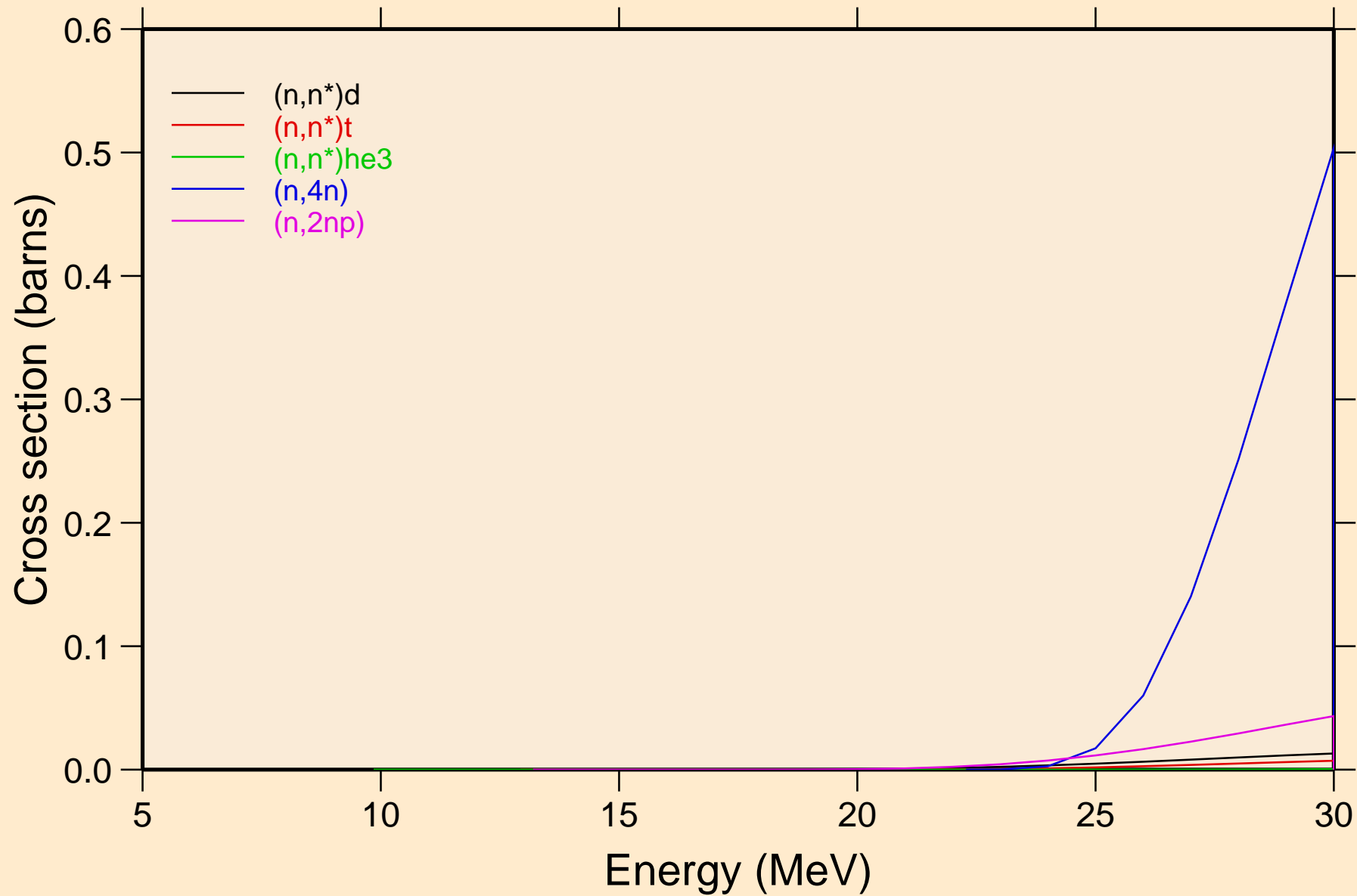
## Threshold reactions



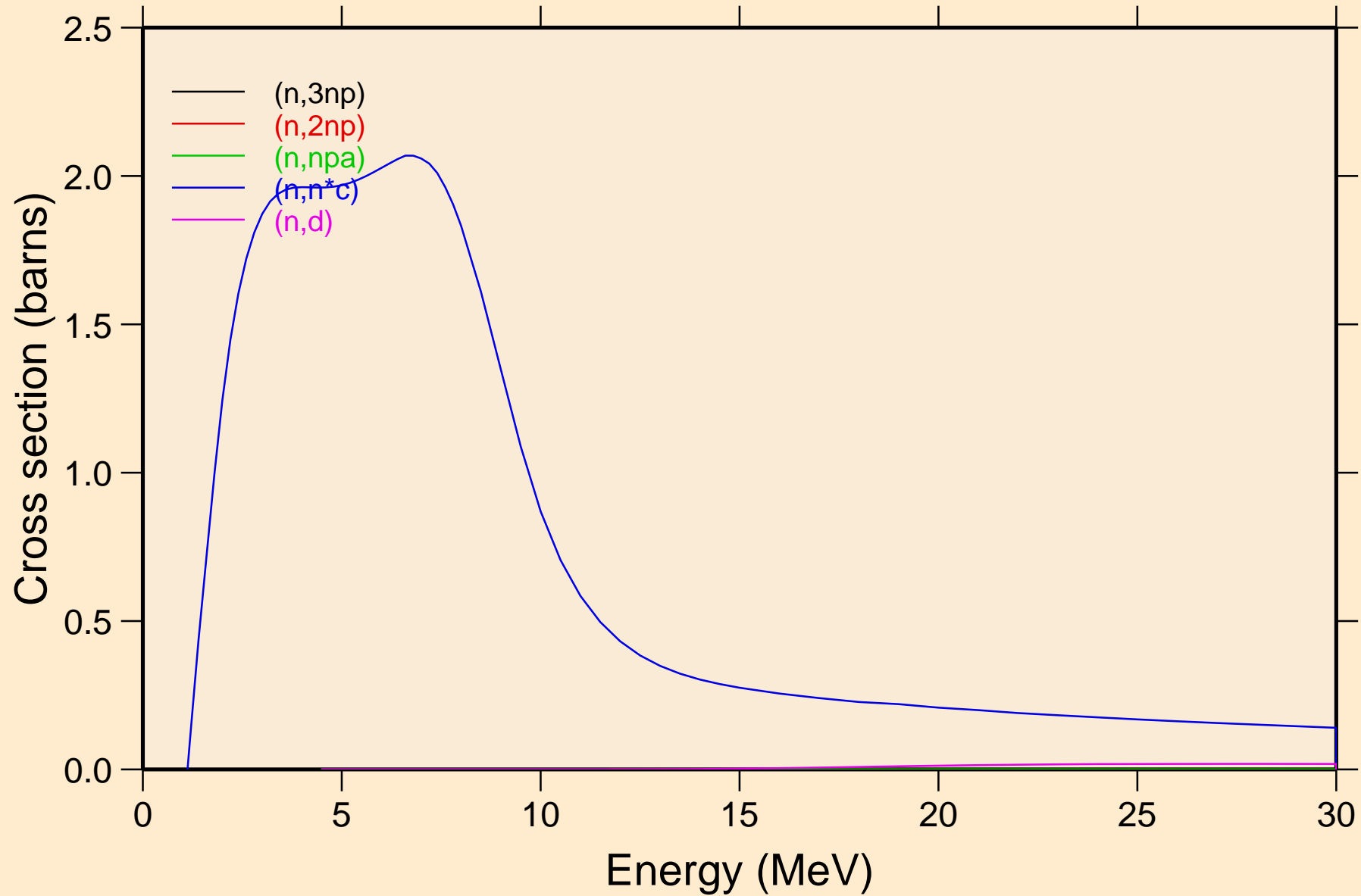
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



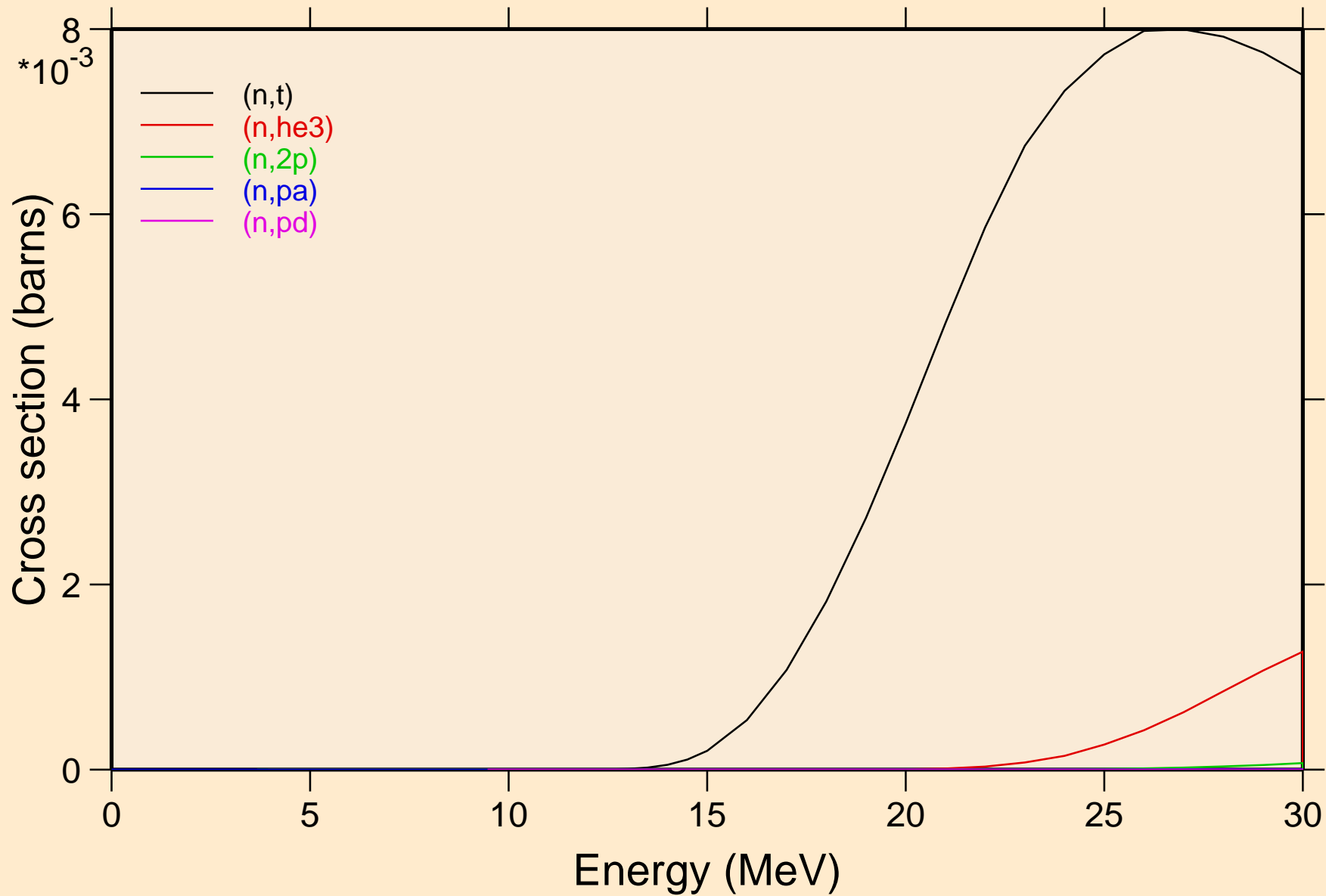
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



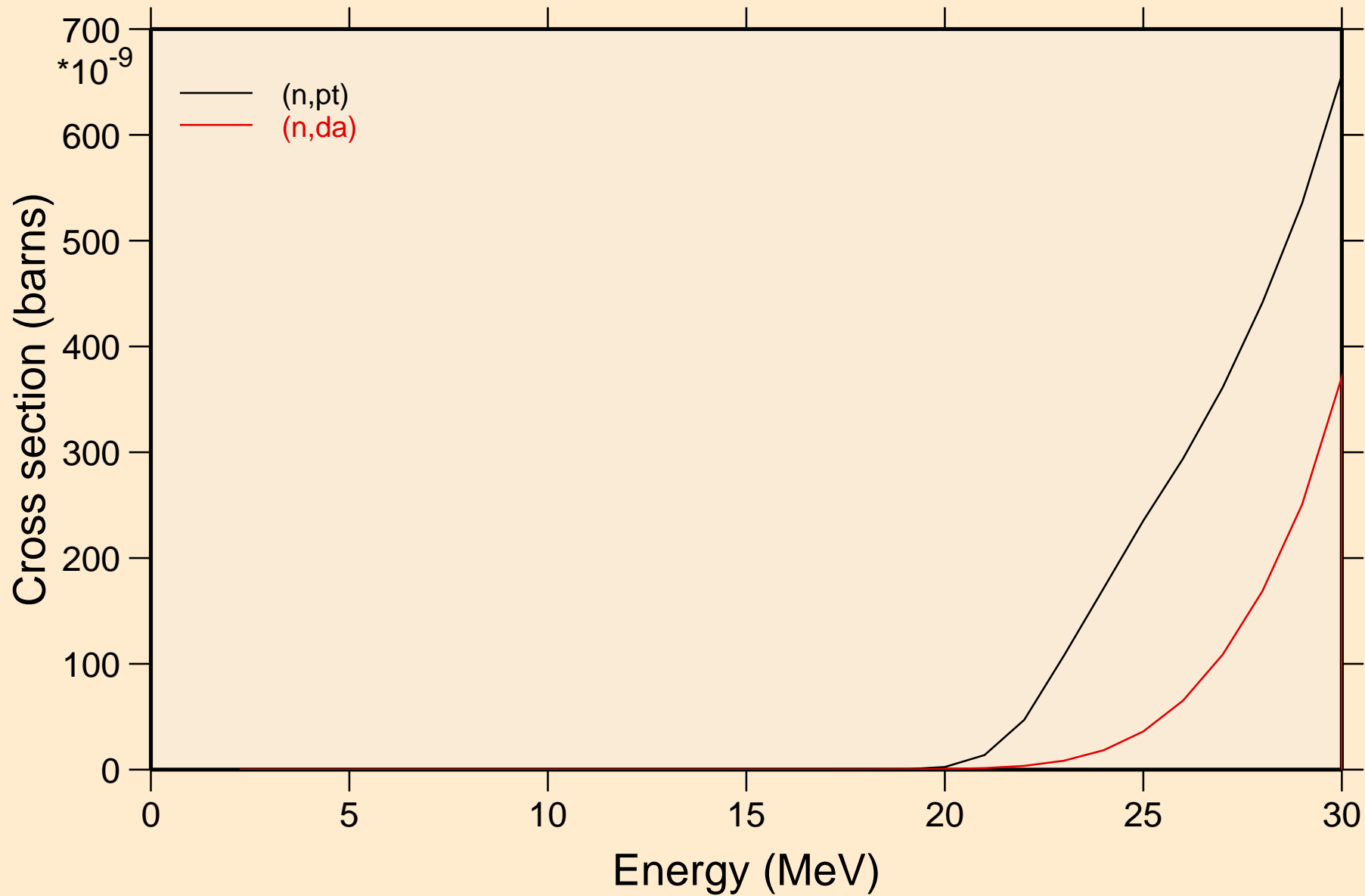
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



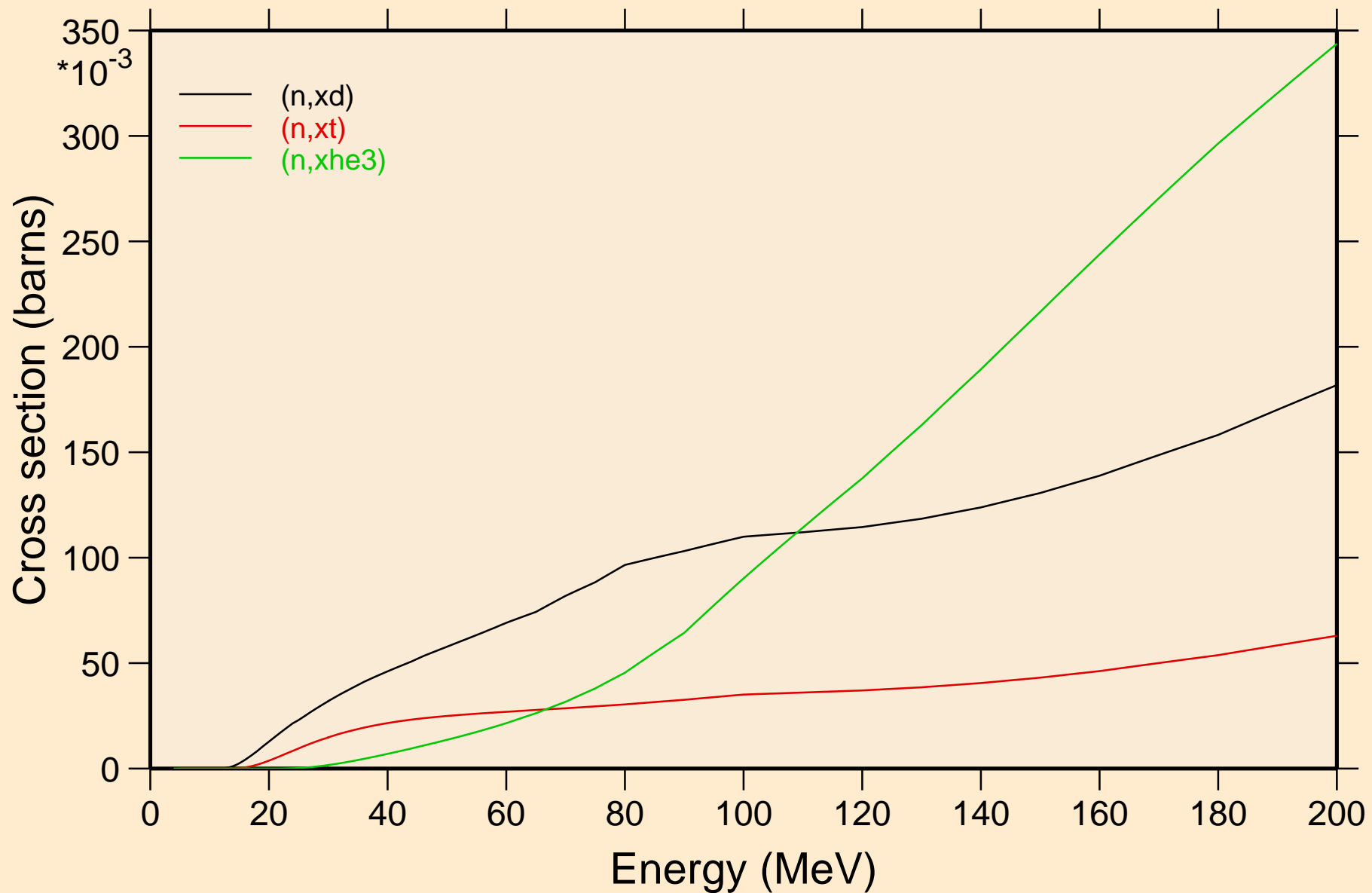
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



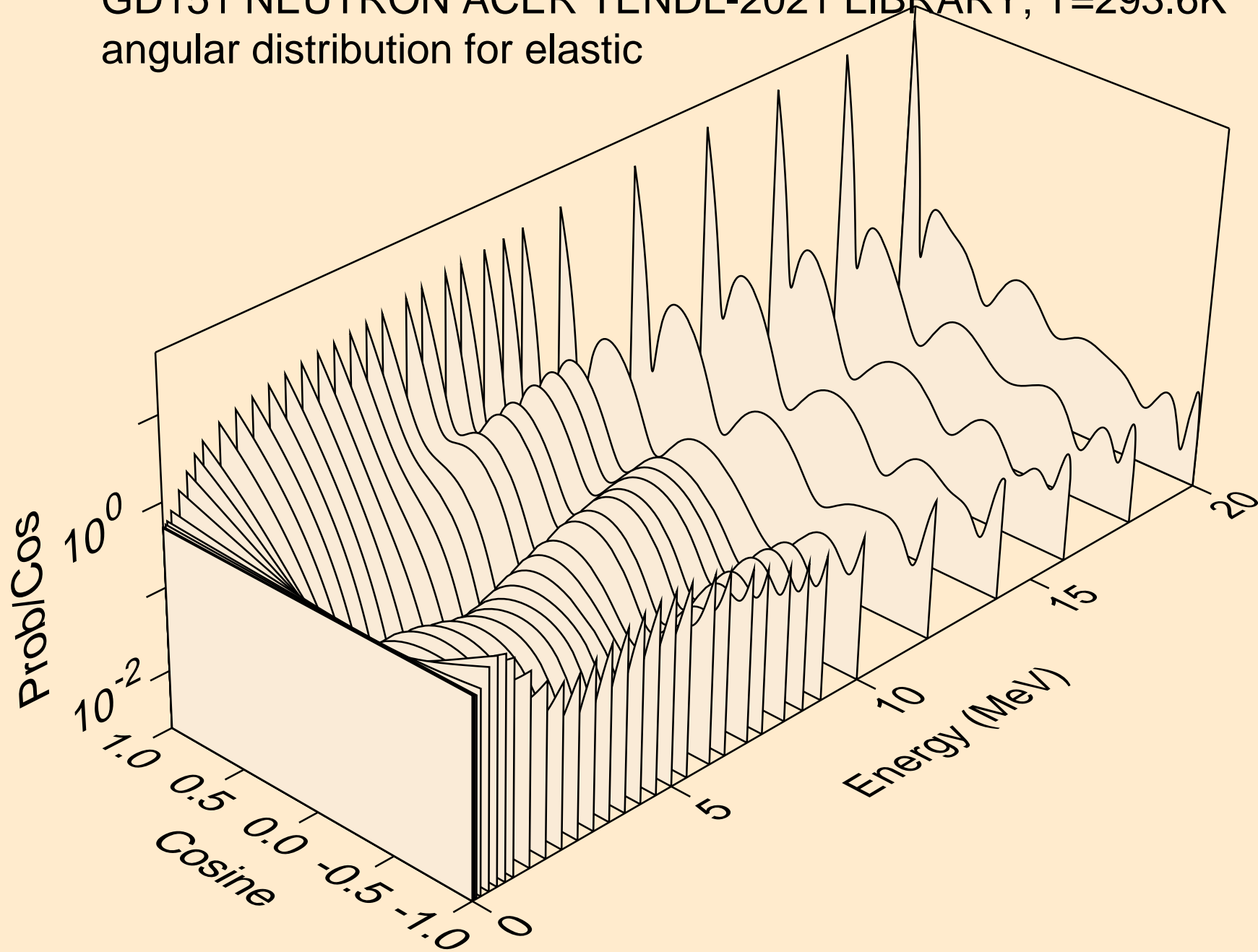
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

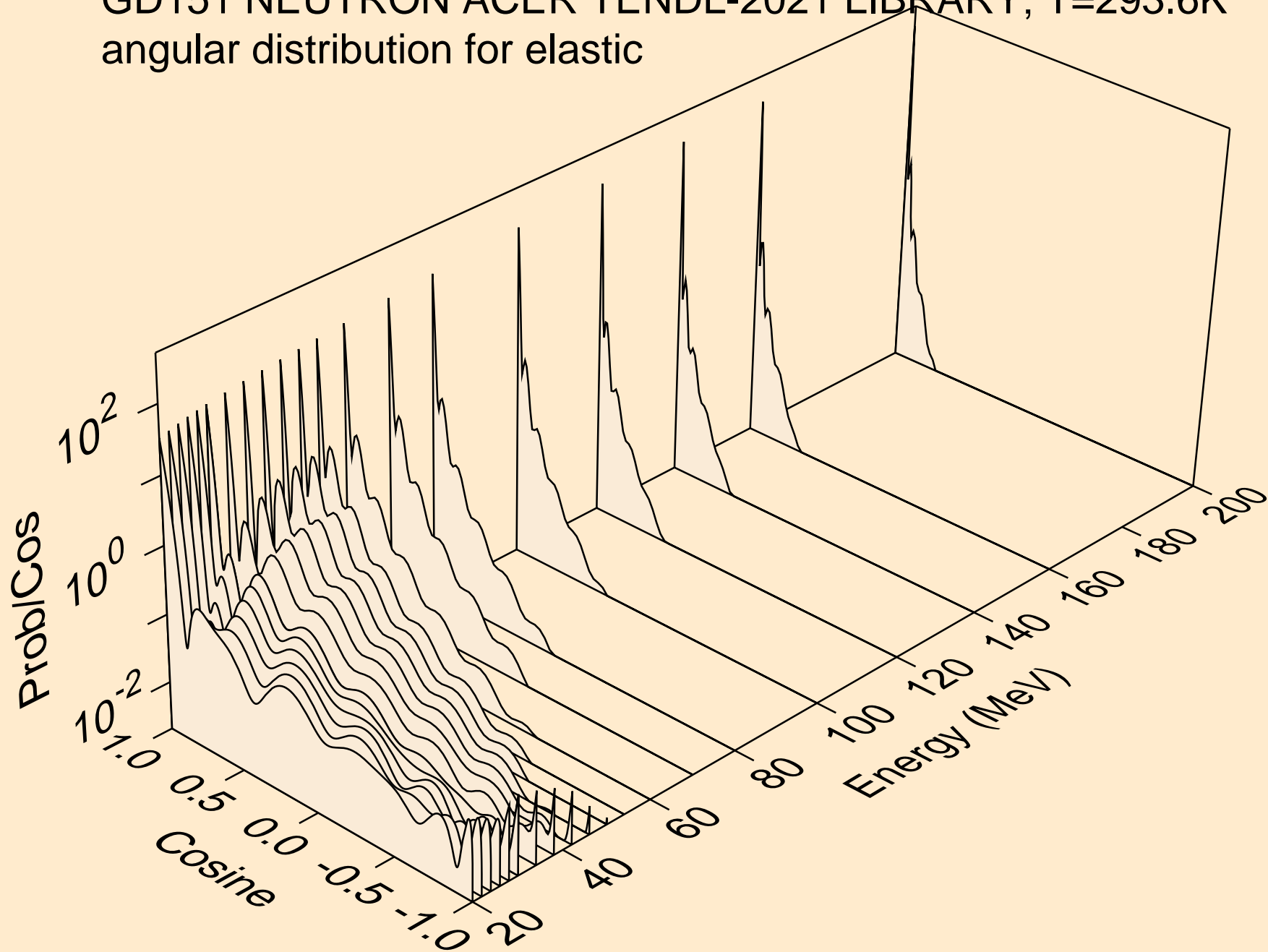


GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic

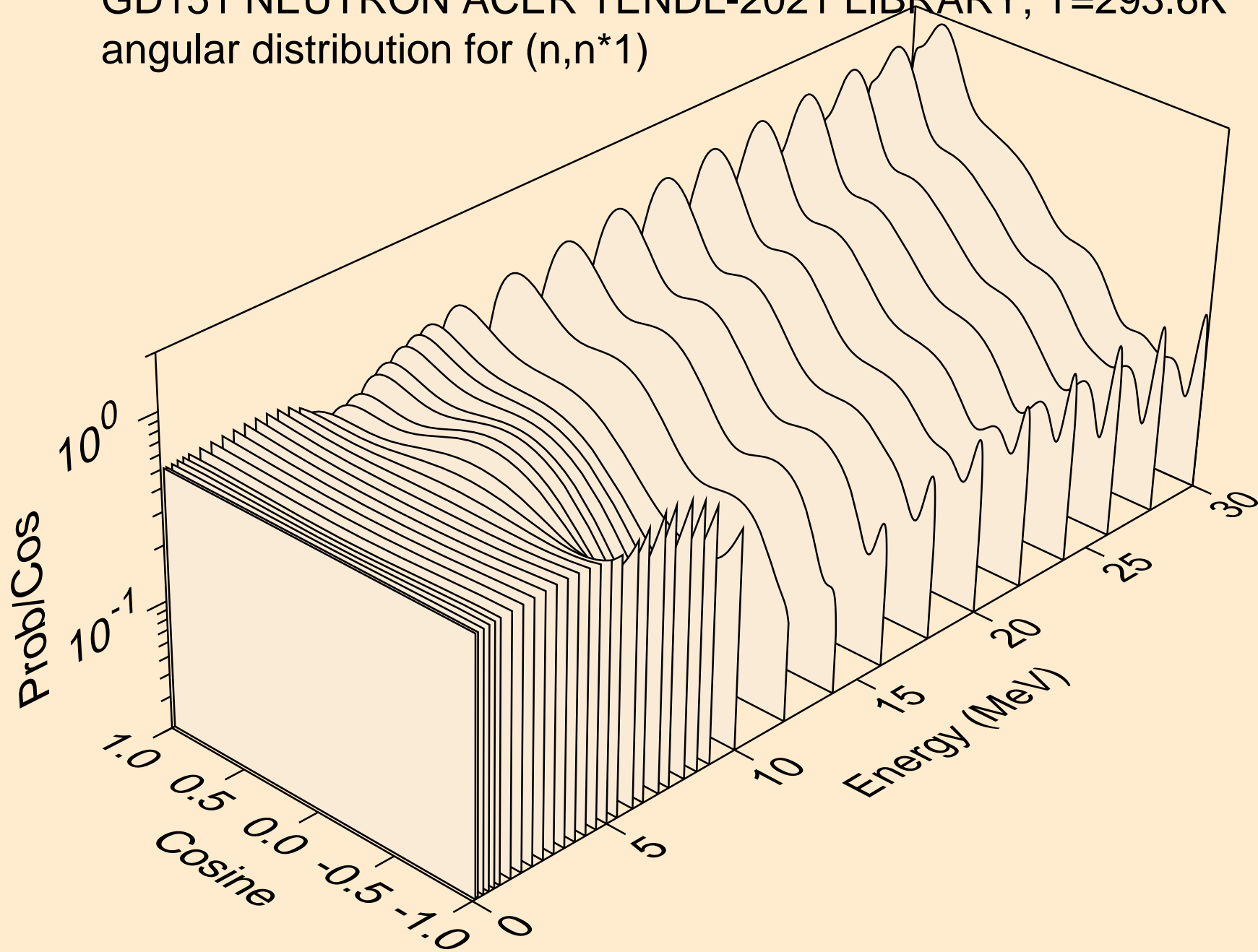




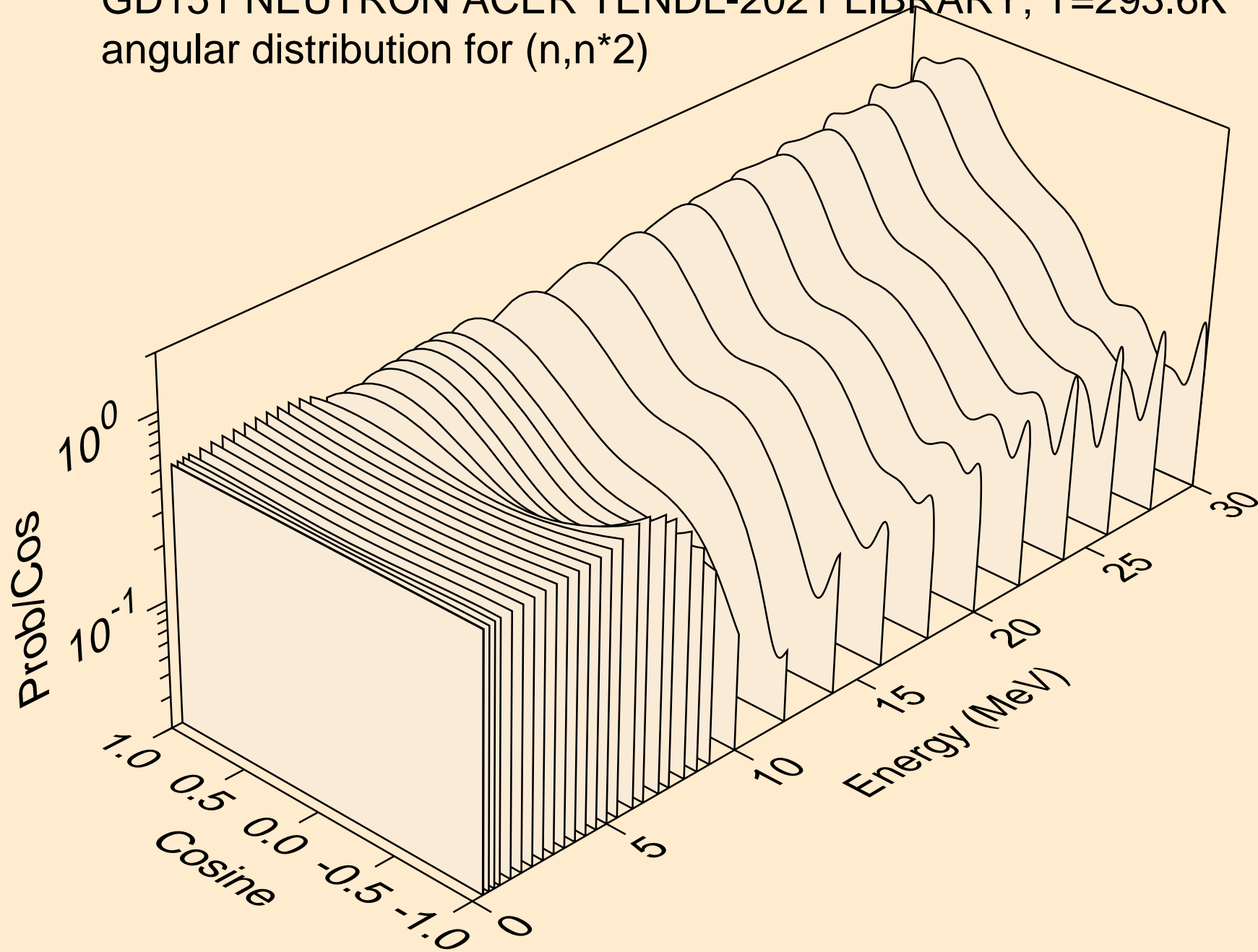
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



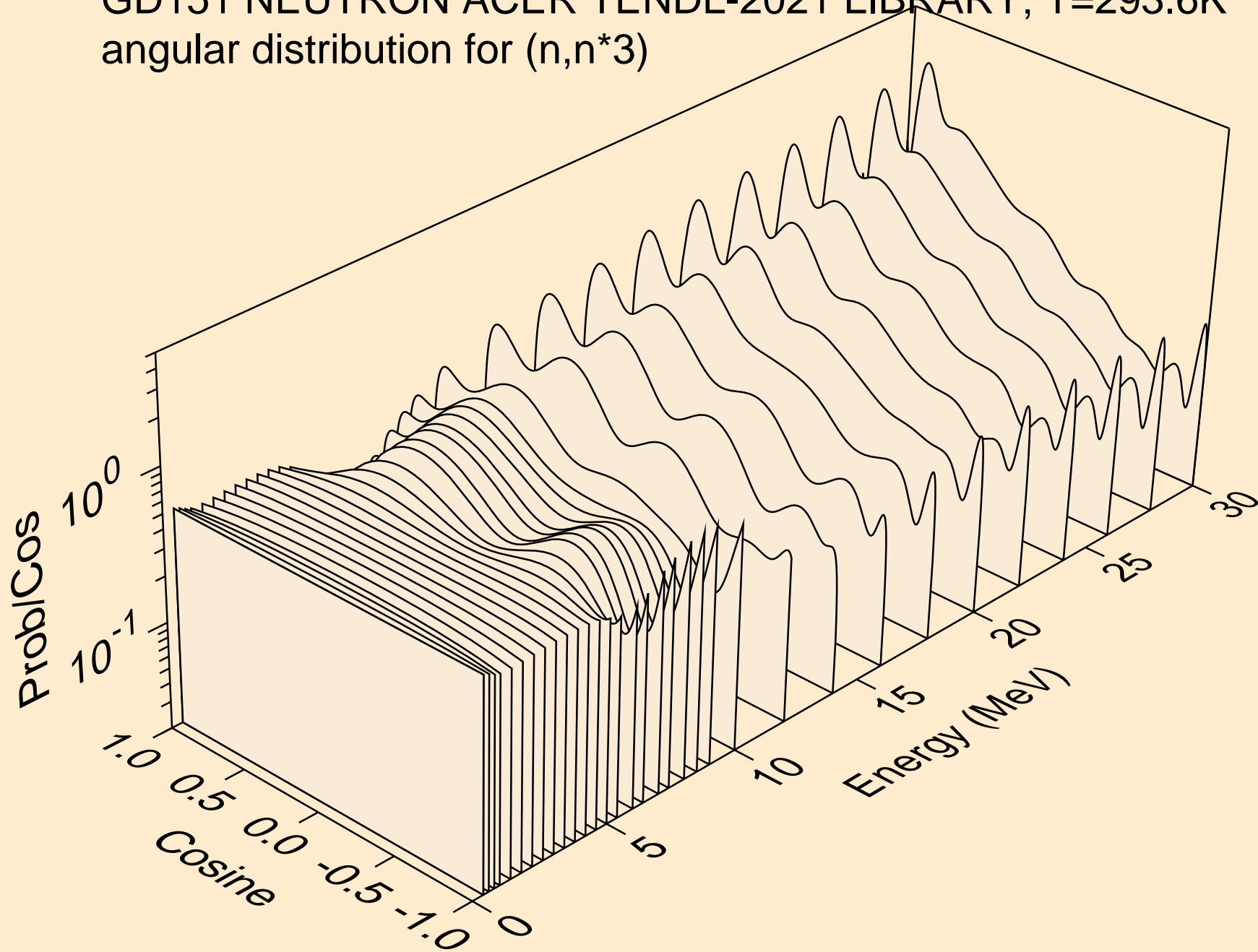
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



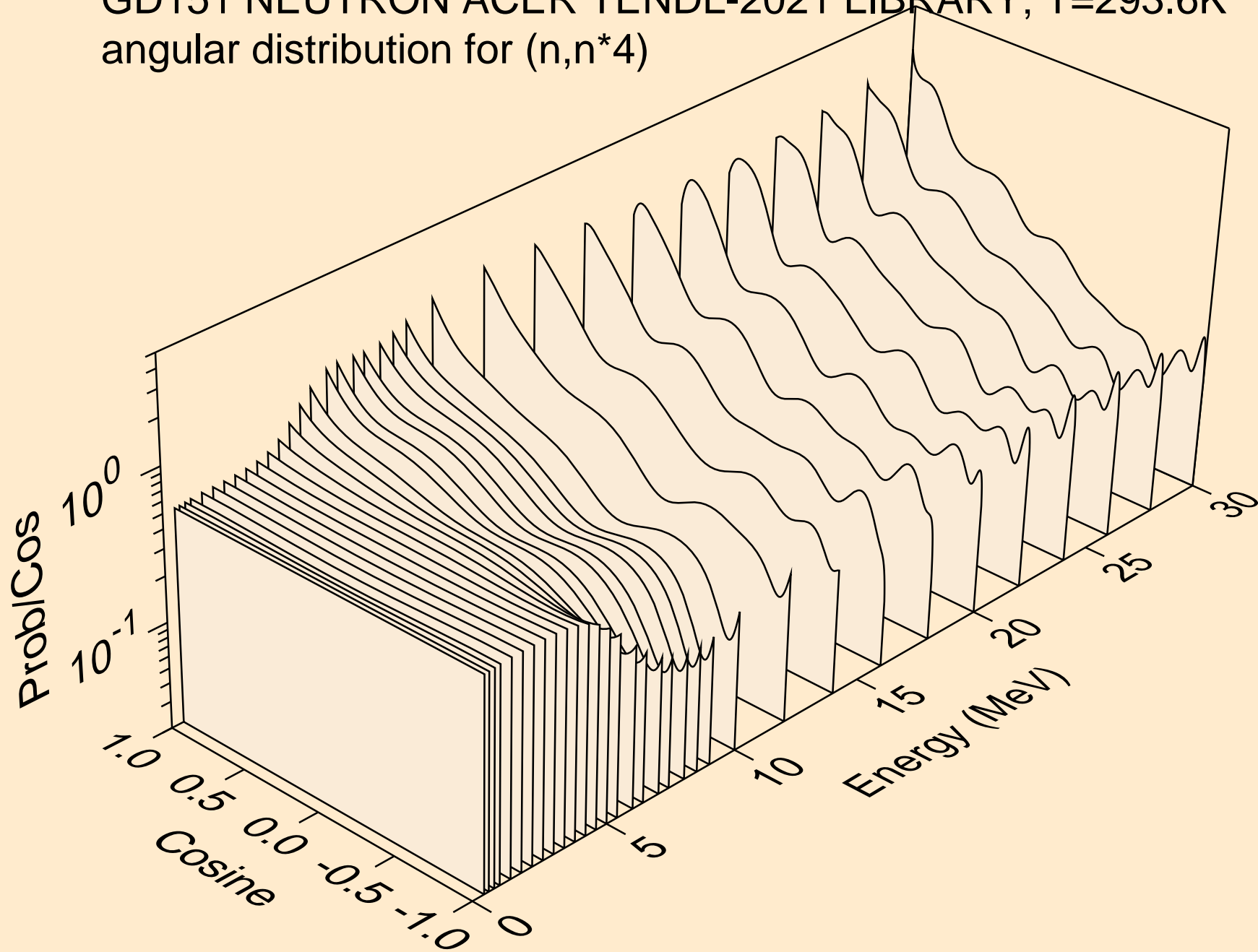
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



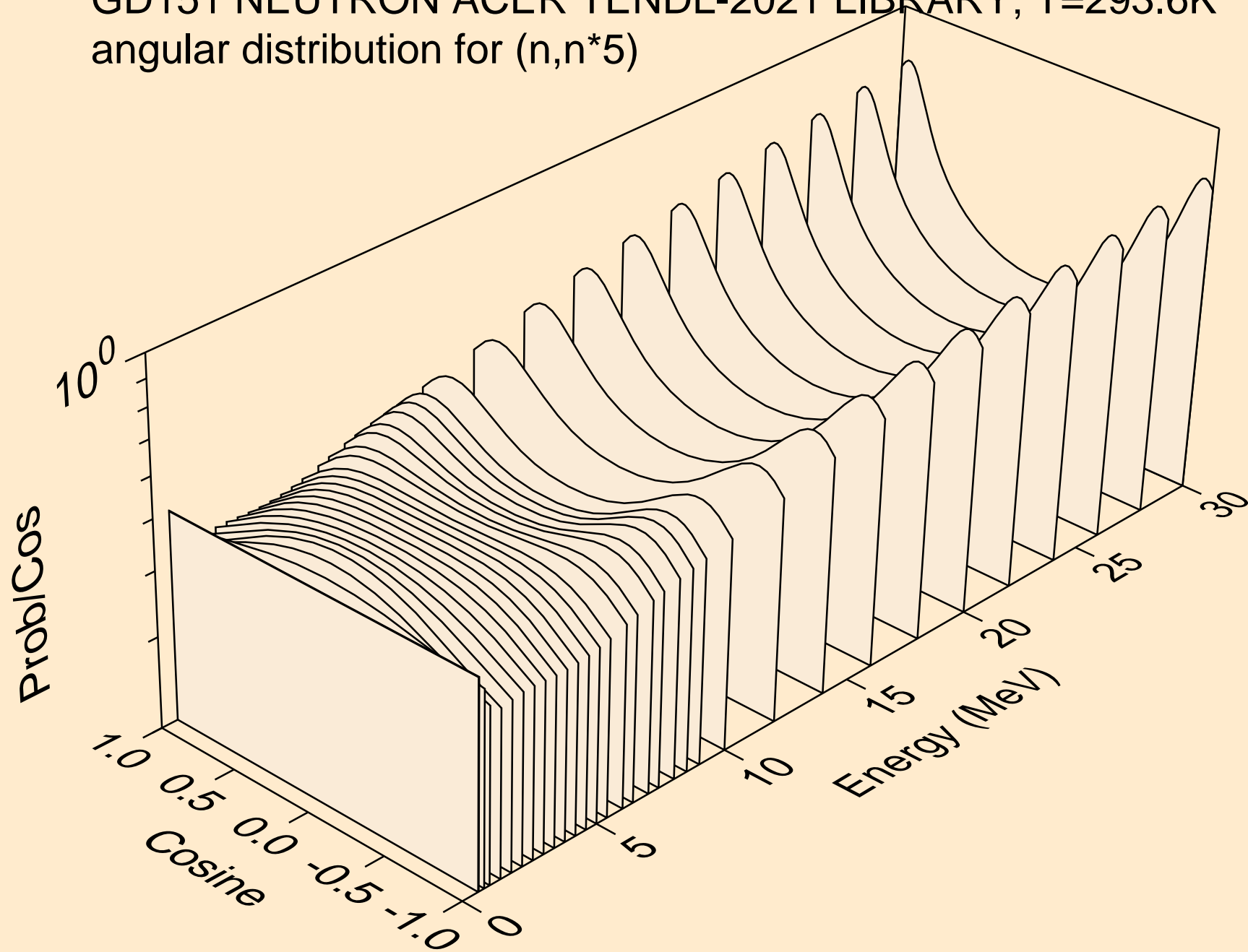
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)



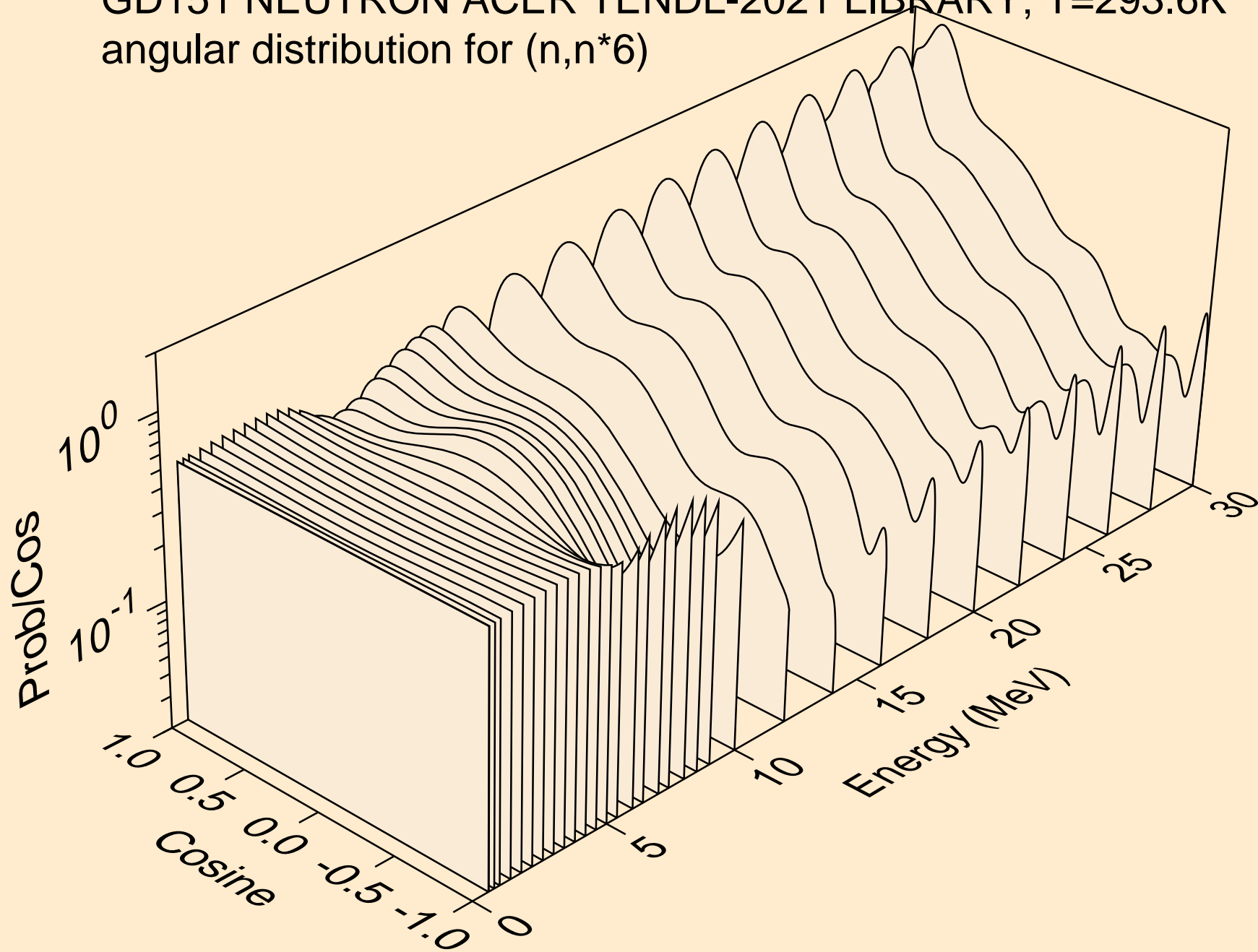
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*4)



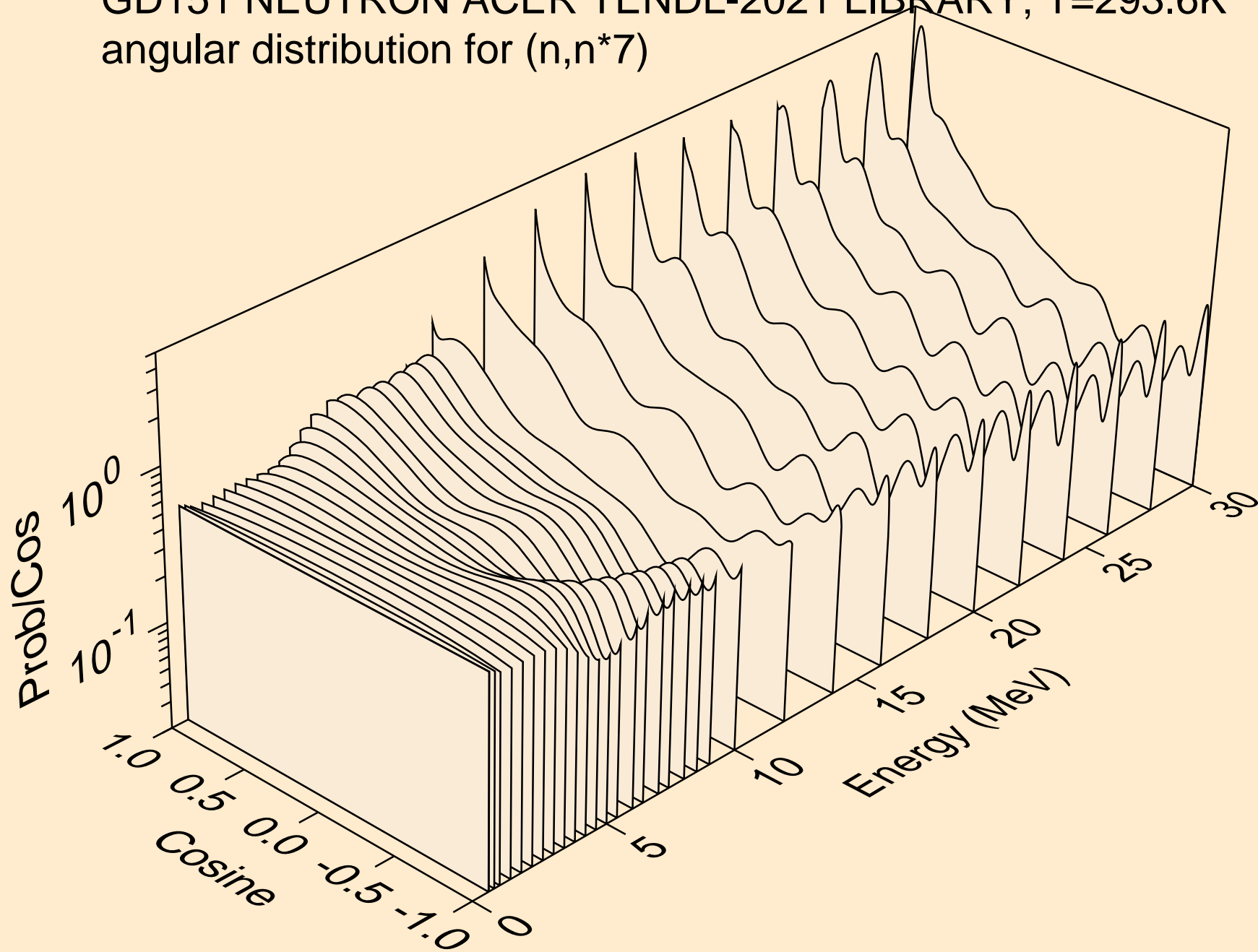
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)



GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)

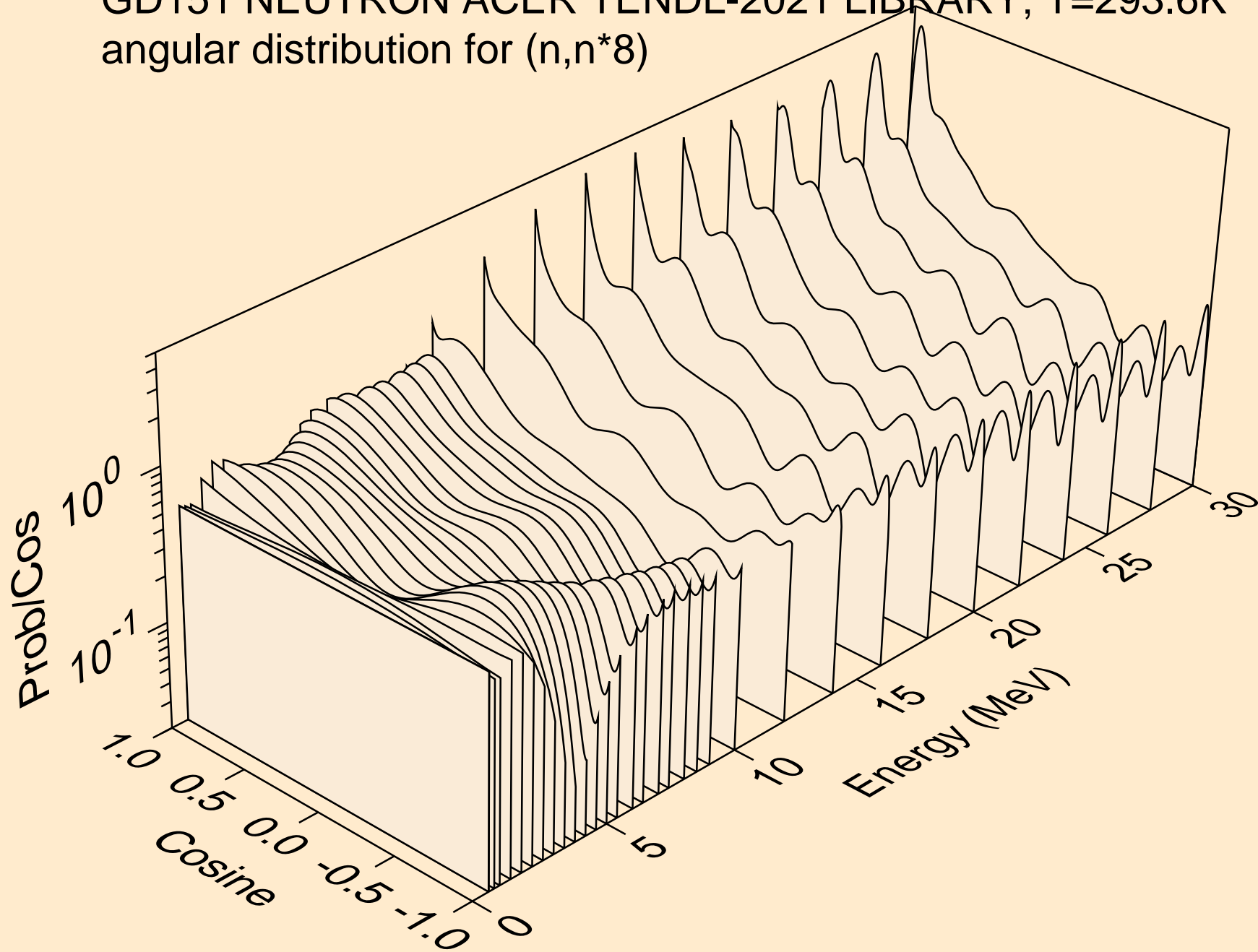


GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)

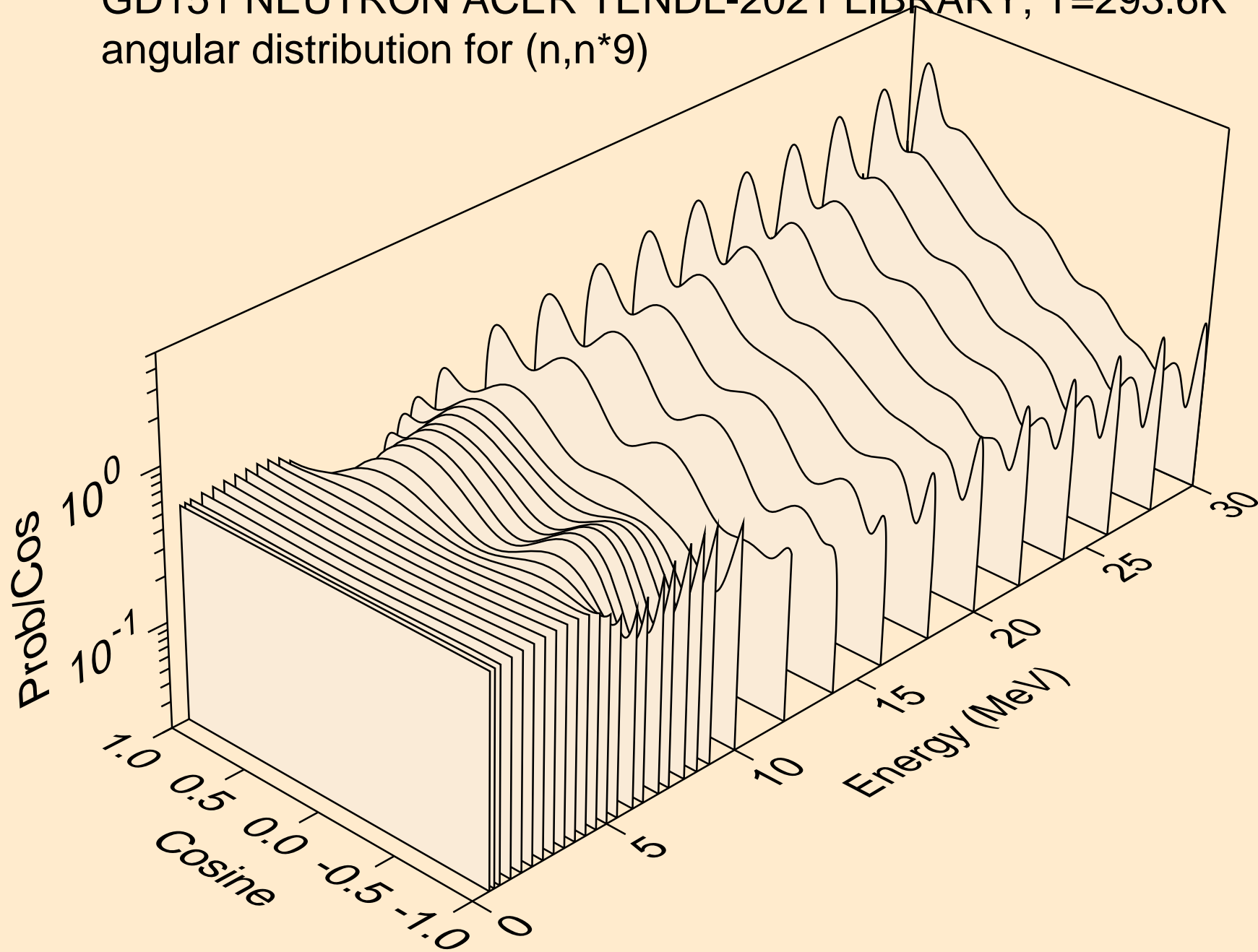




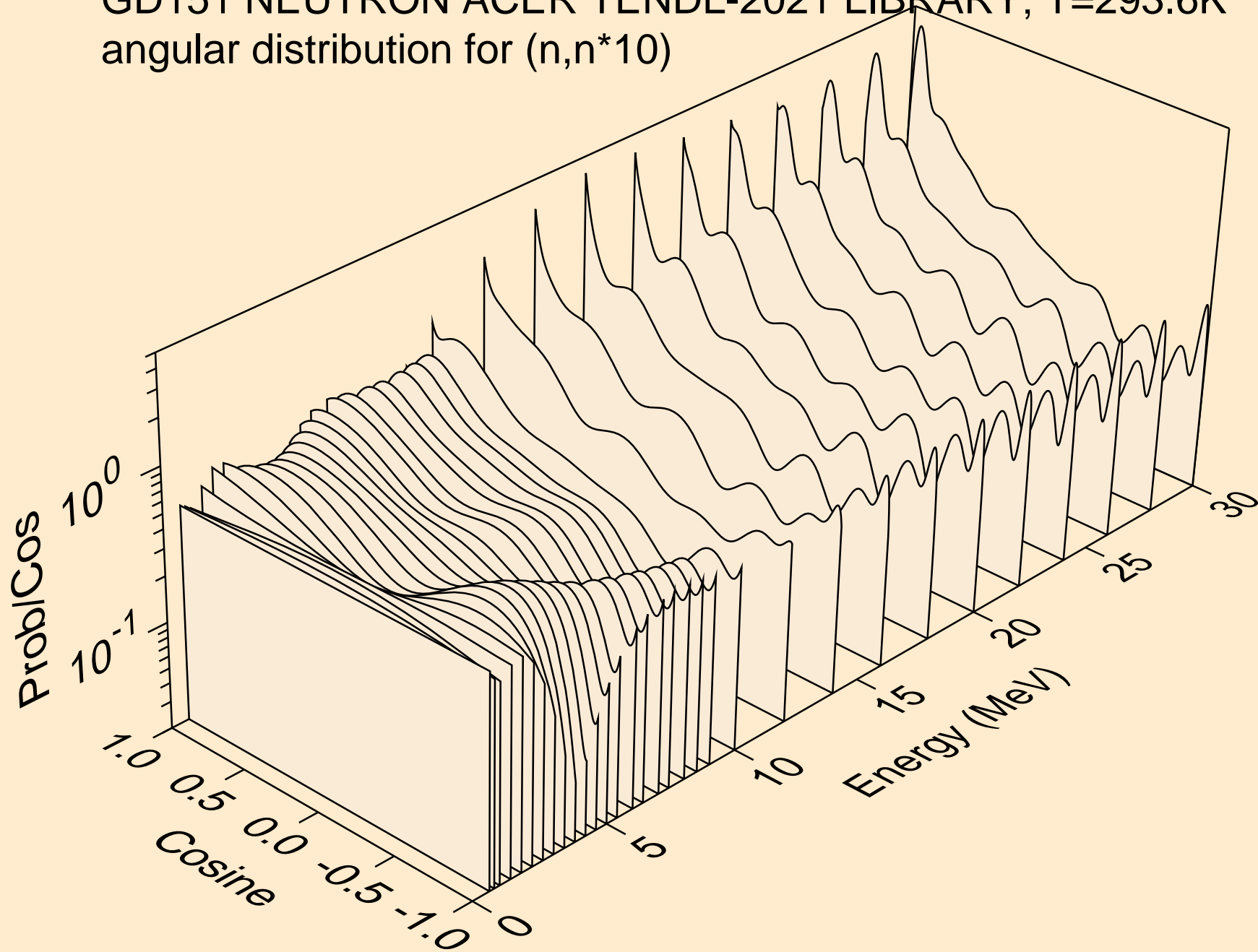
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)



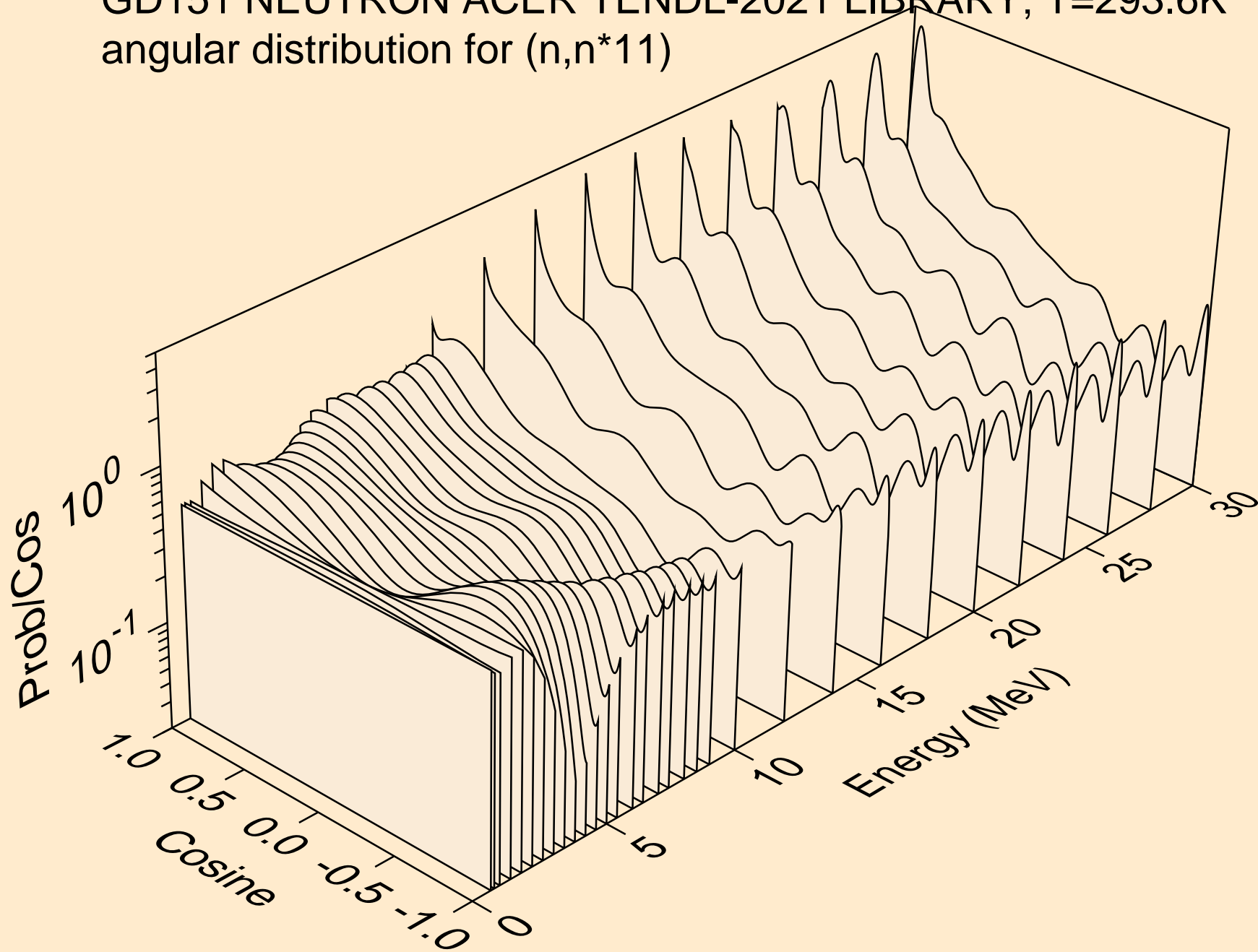
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)



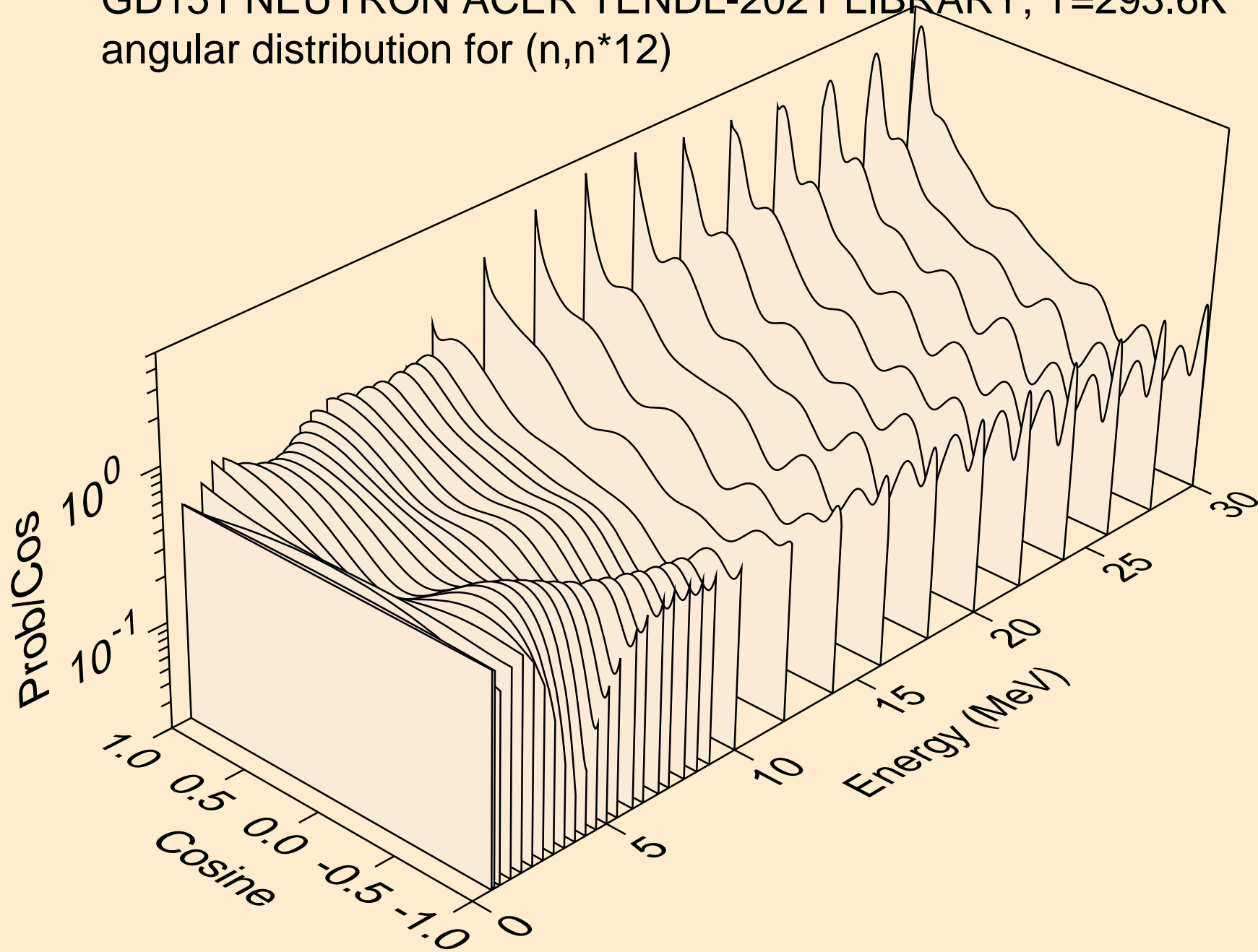
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angular distribution for (n,n\*10)



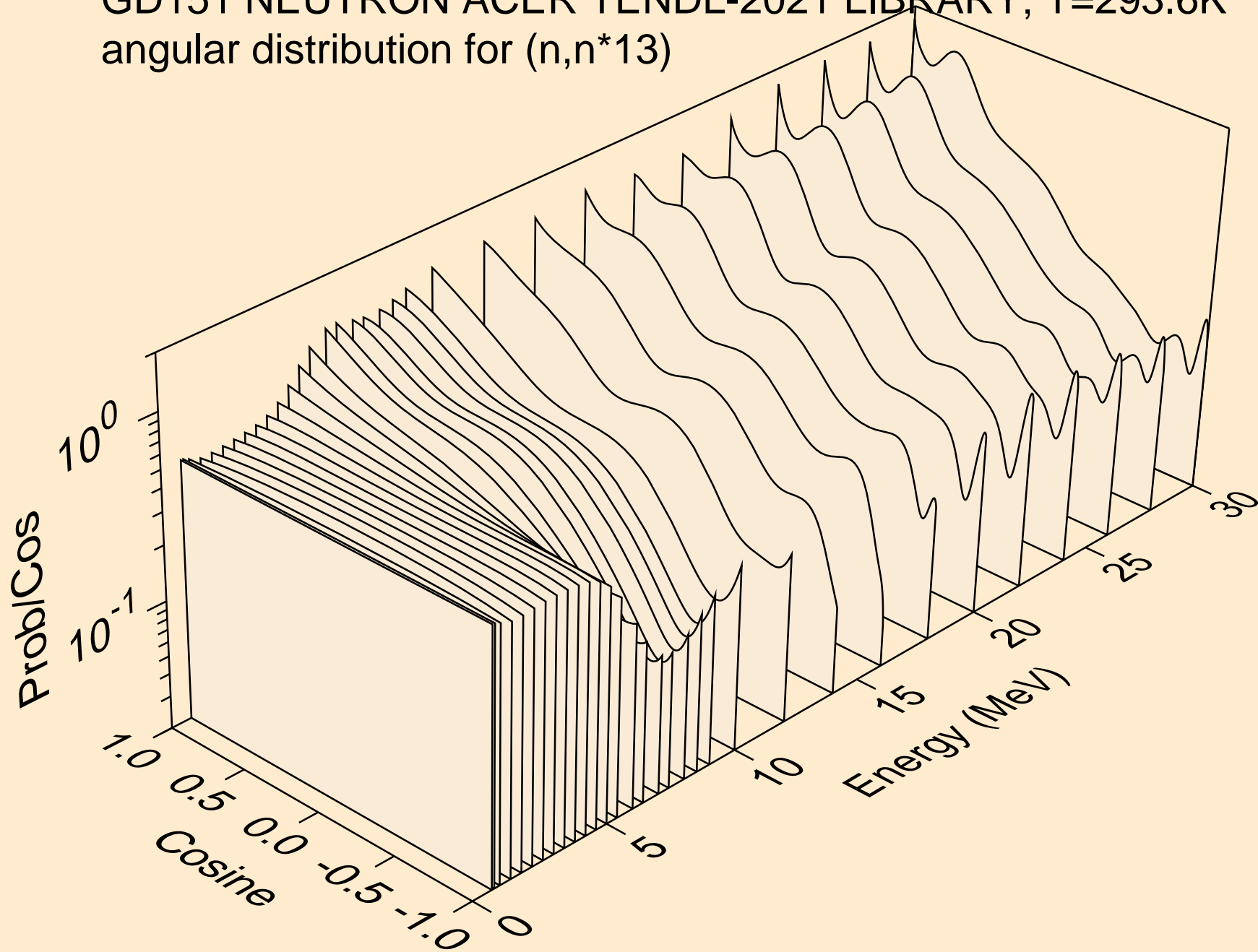
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angular distribution for (n,n\*11)



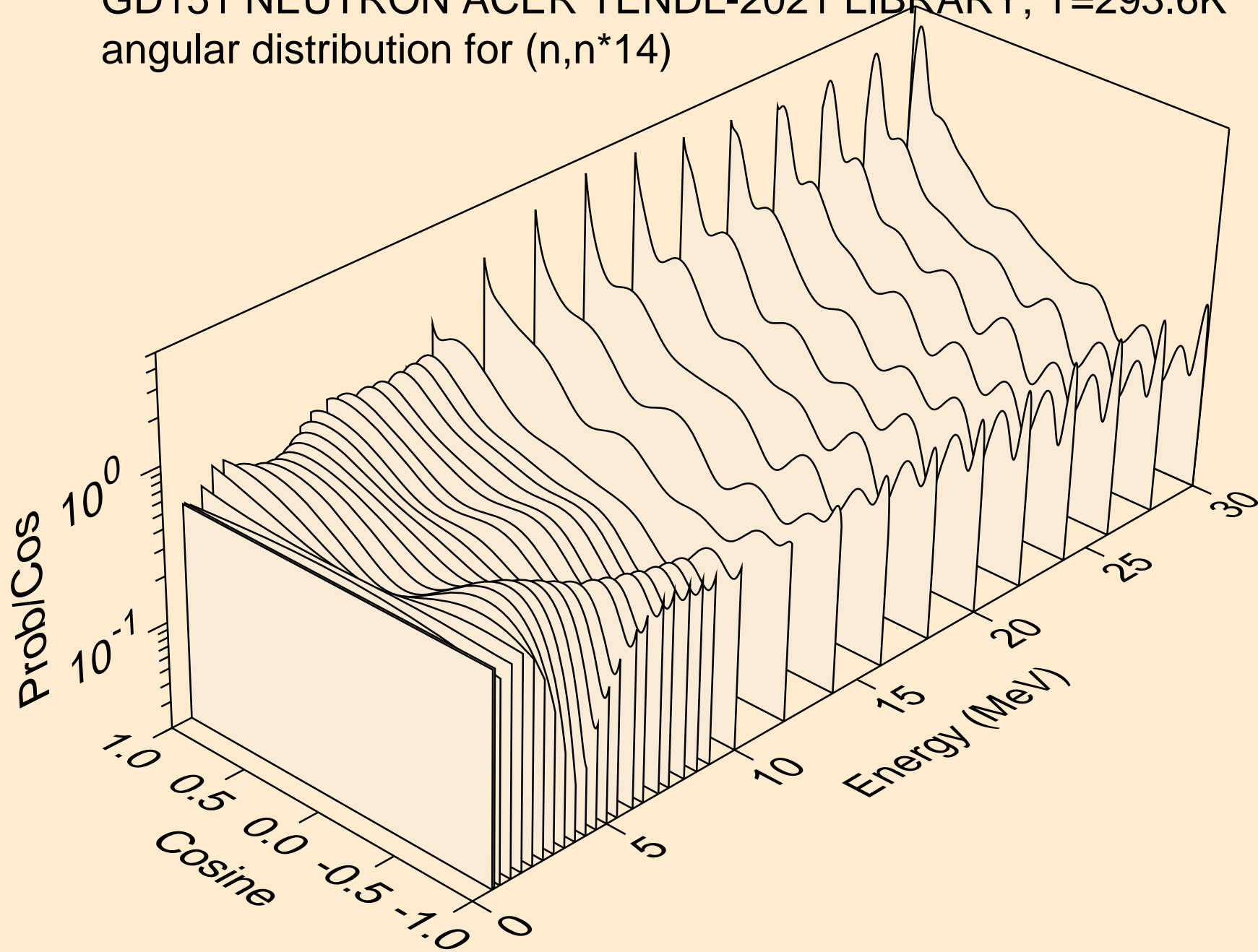
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angular distribution for (n,n\*12)



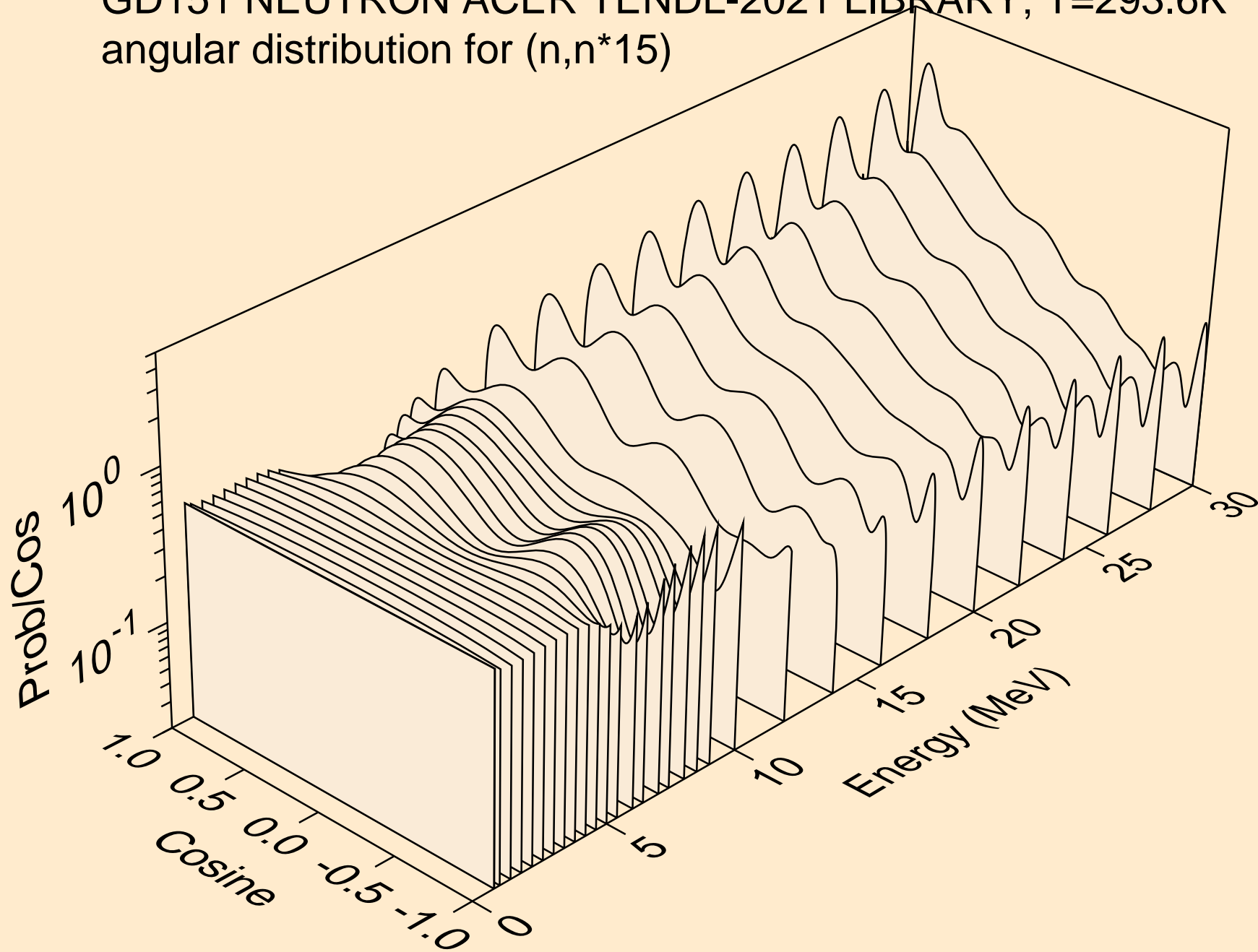
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*13)



GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*14)

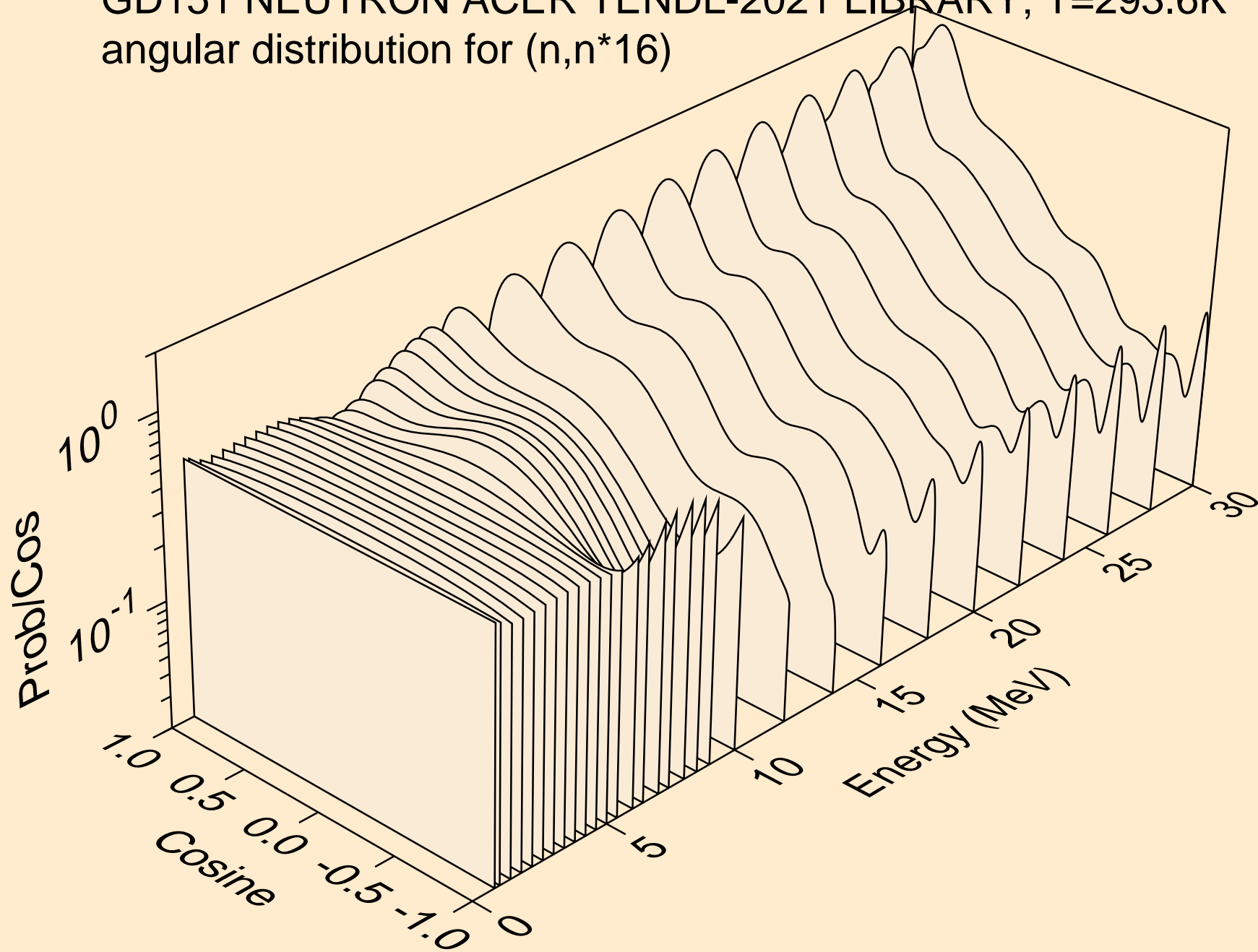


GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*15)

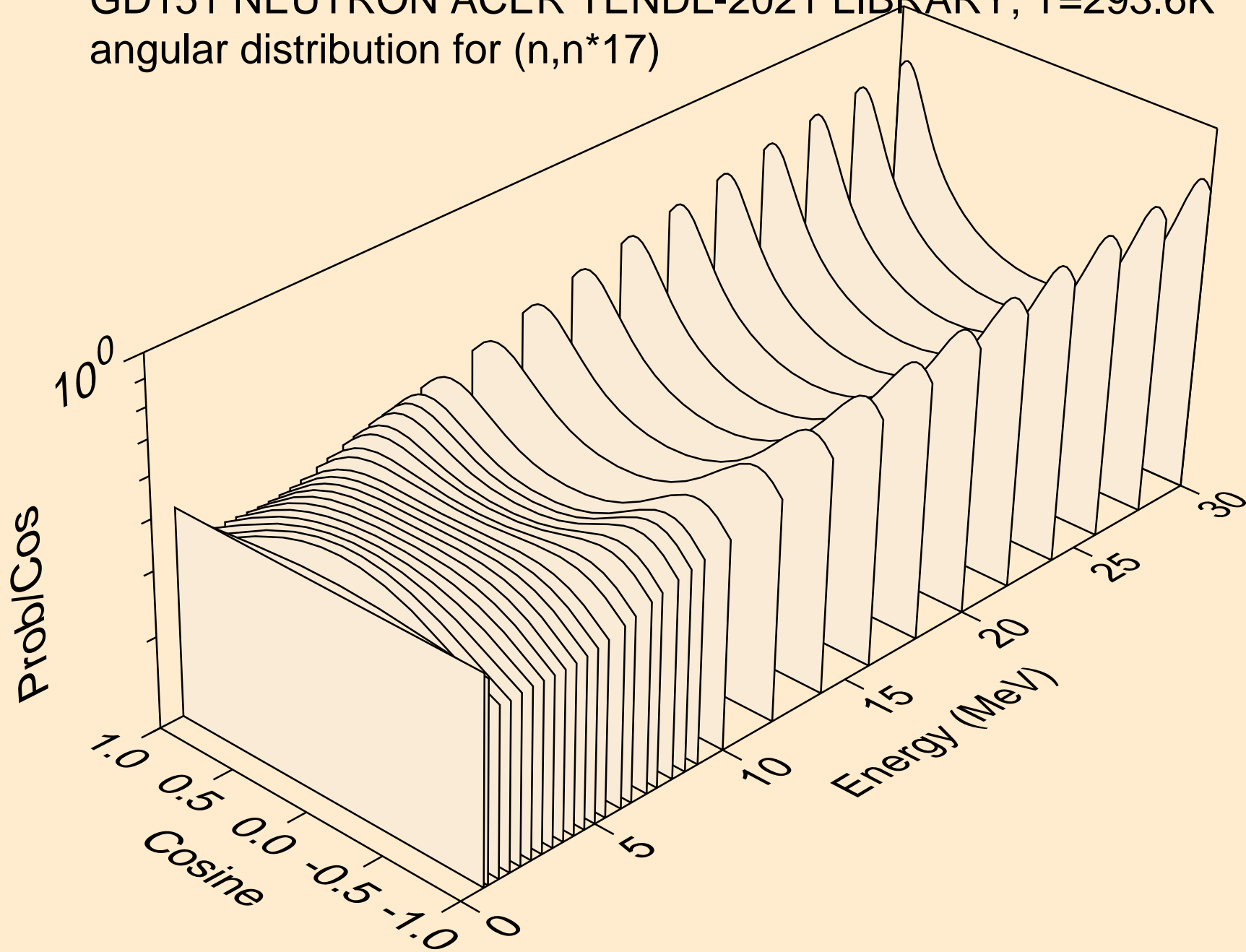




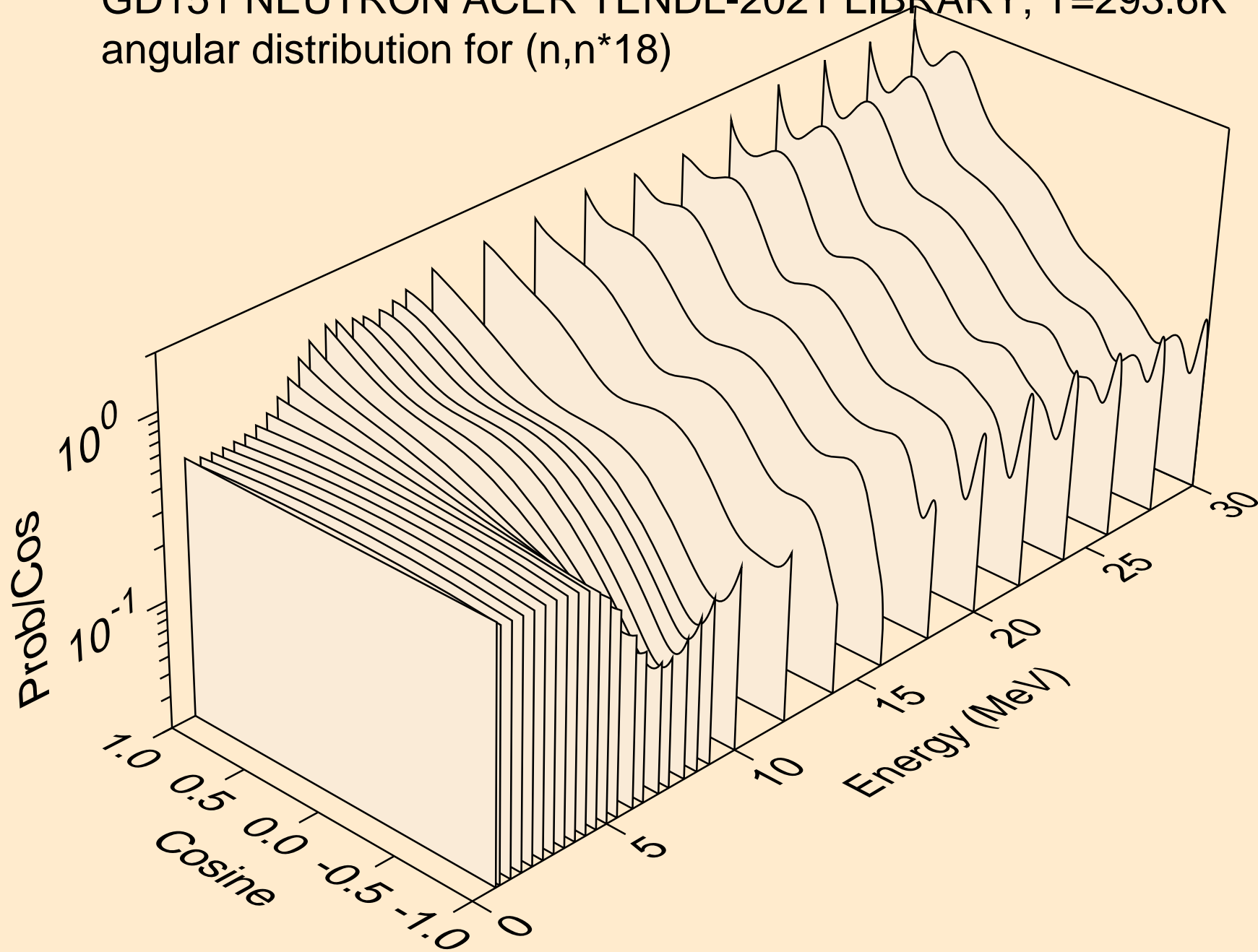
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angular distribution for (n,n\*16)



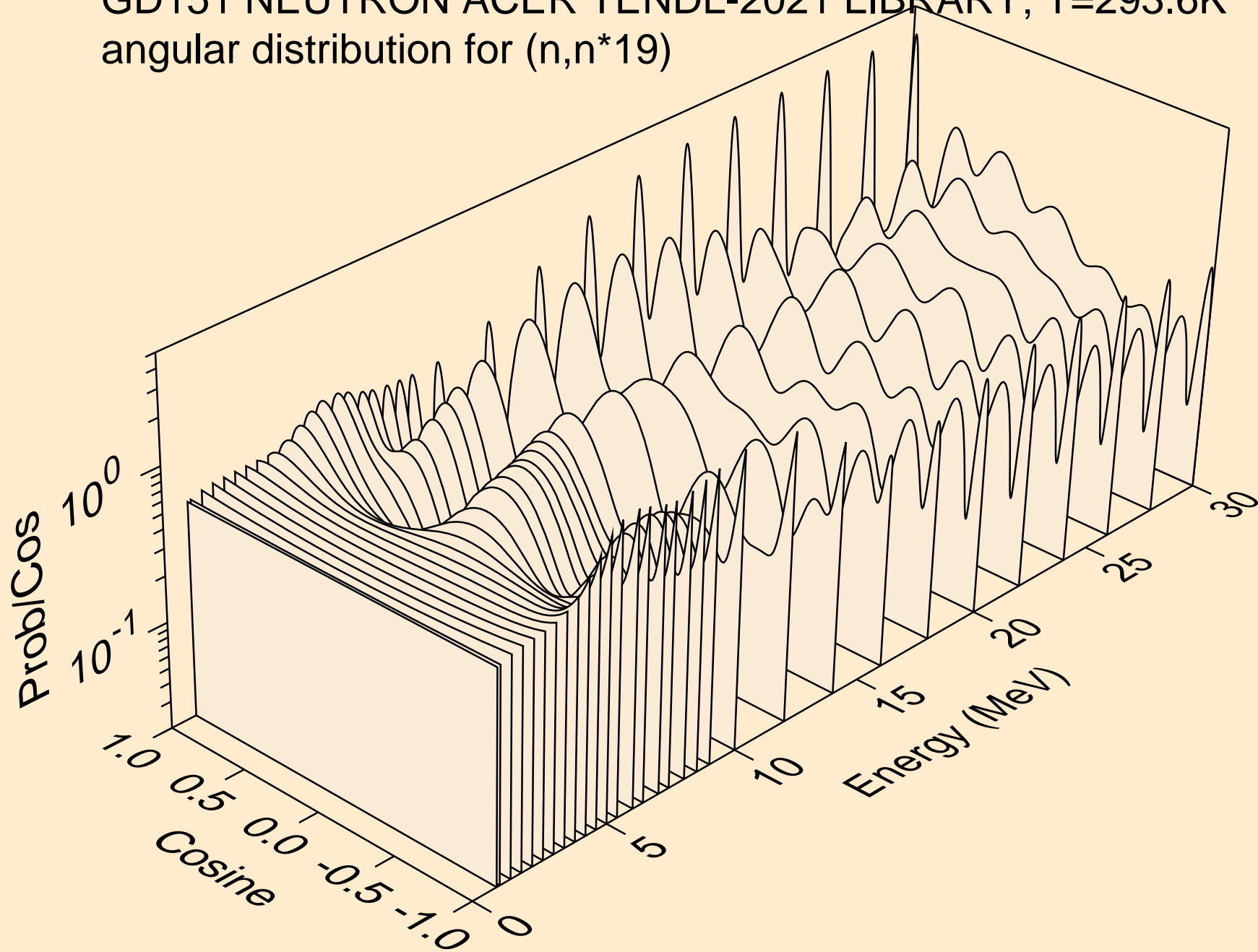
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angular distribution for (n,n\*17)



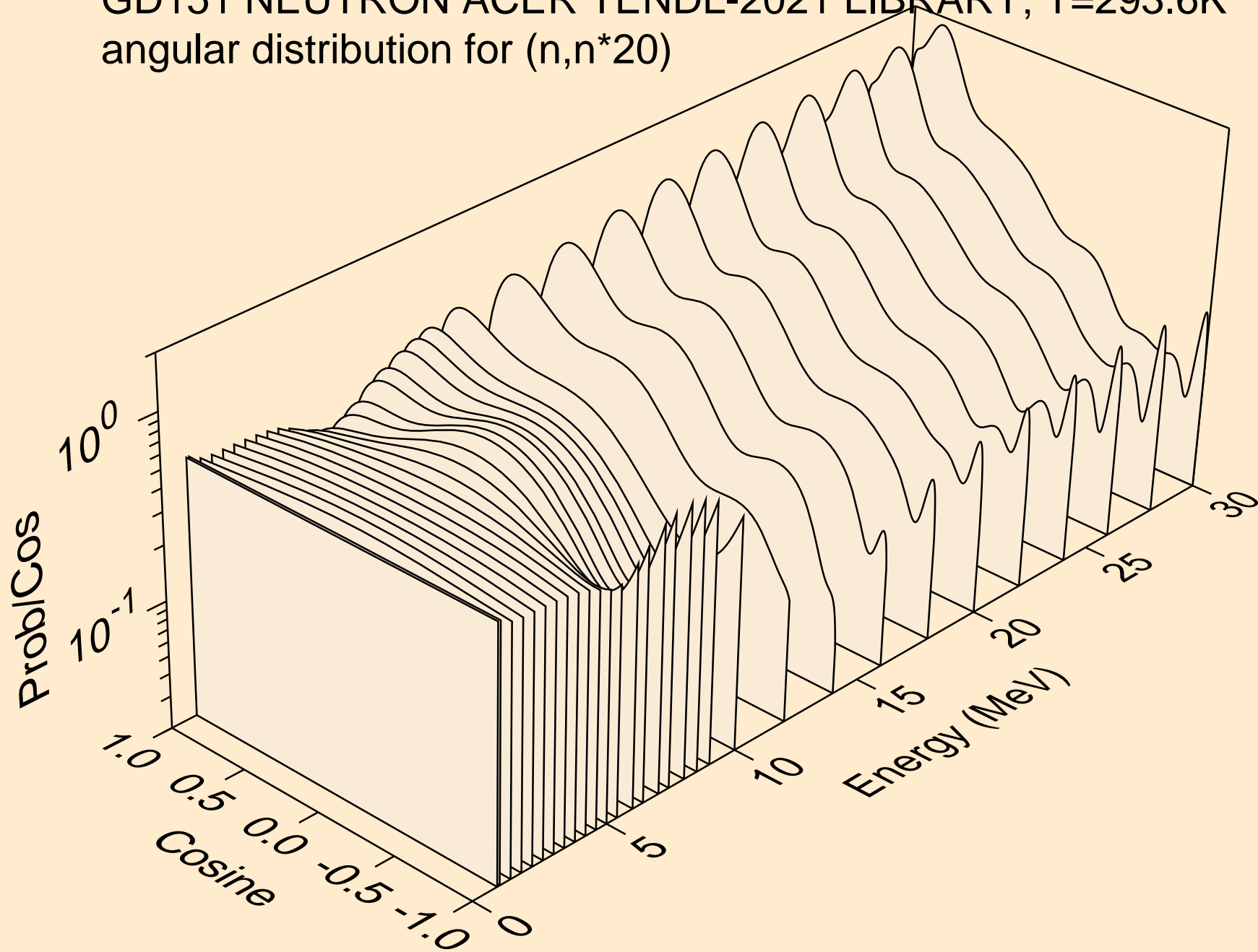
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angular distribution for (n,n\*18)



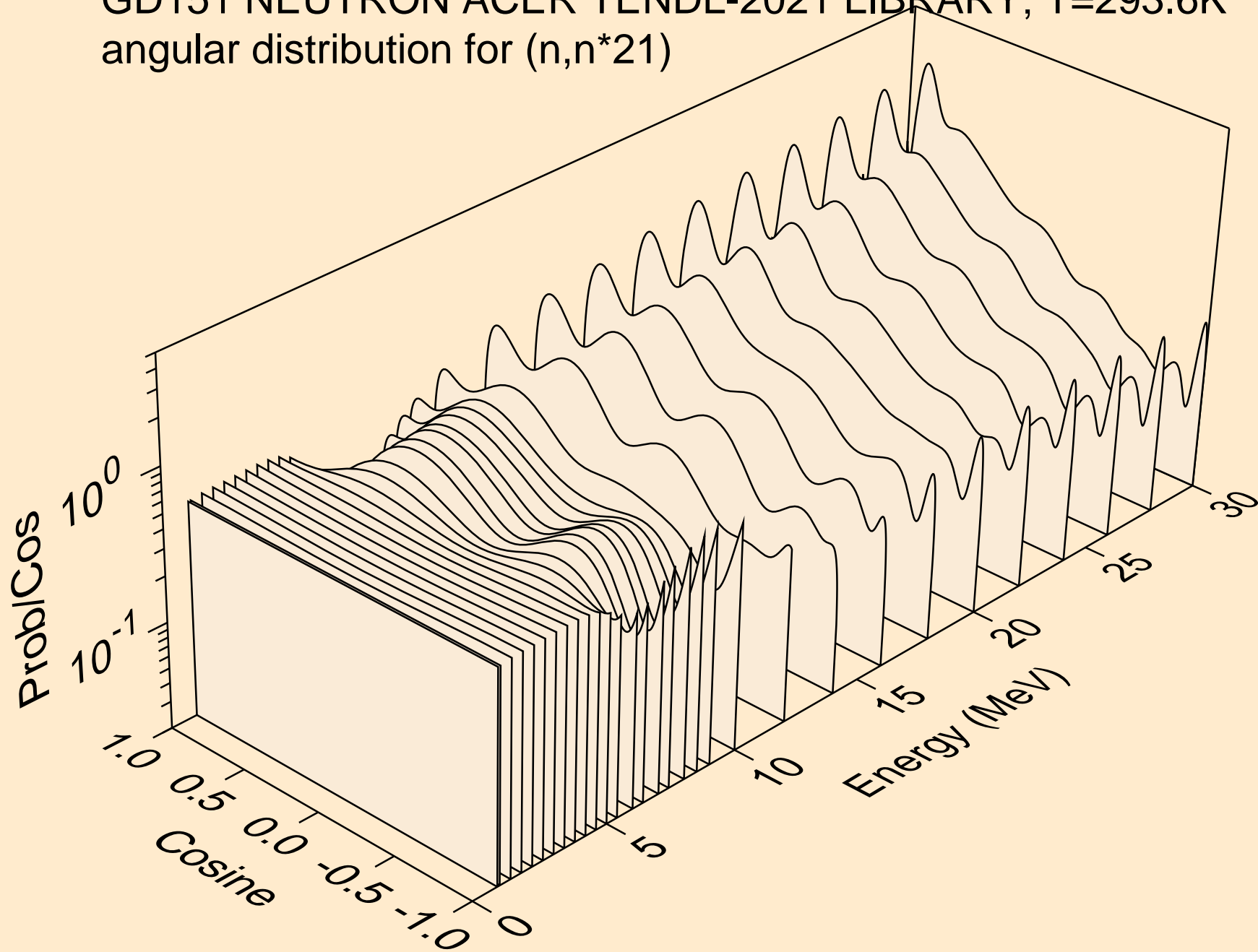
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angular distribution for (n,n\*19)



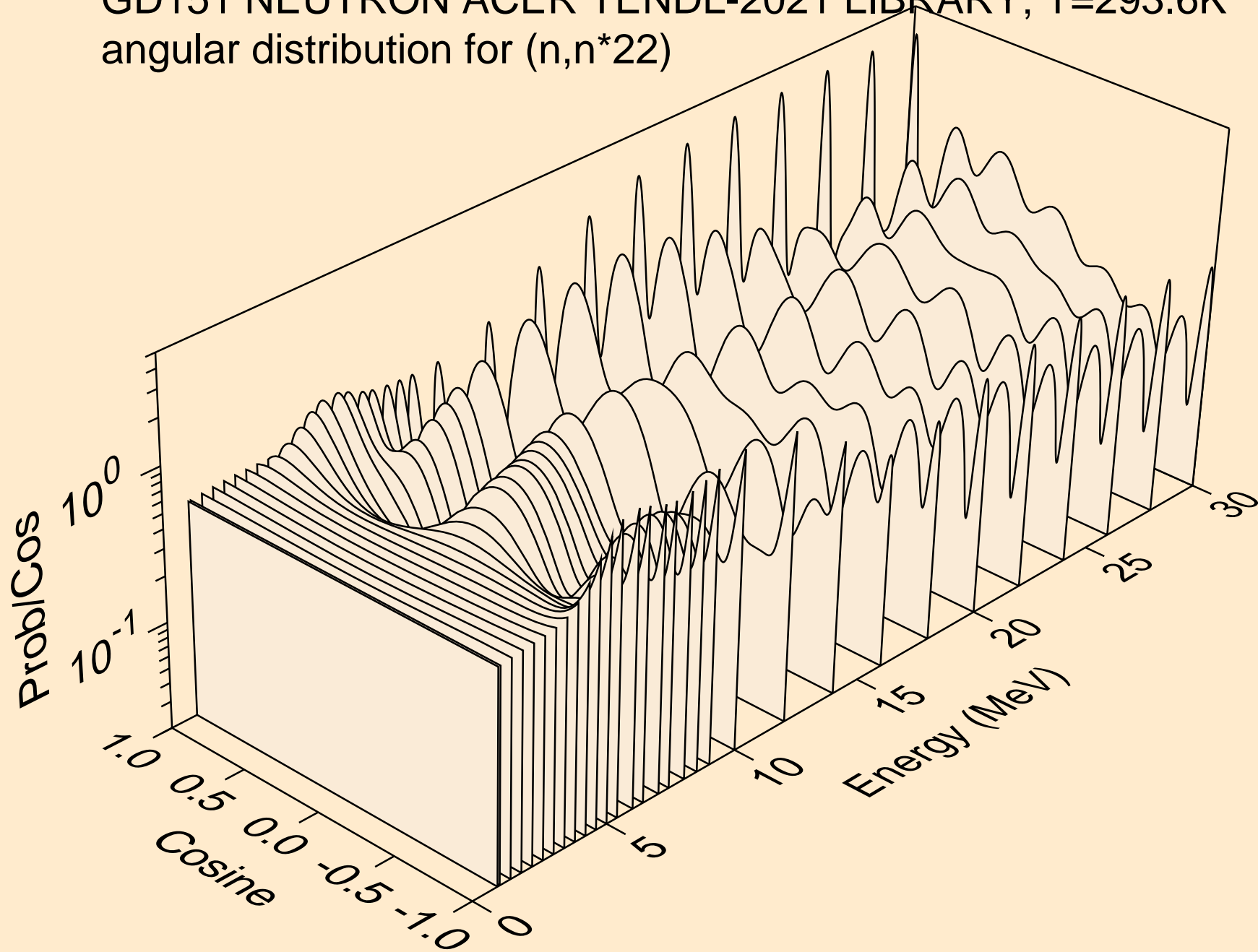
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angular distribution for (n,n\*20)



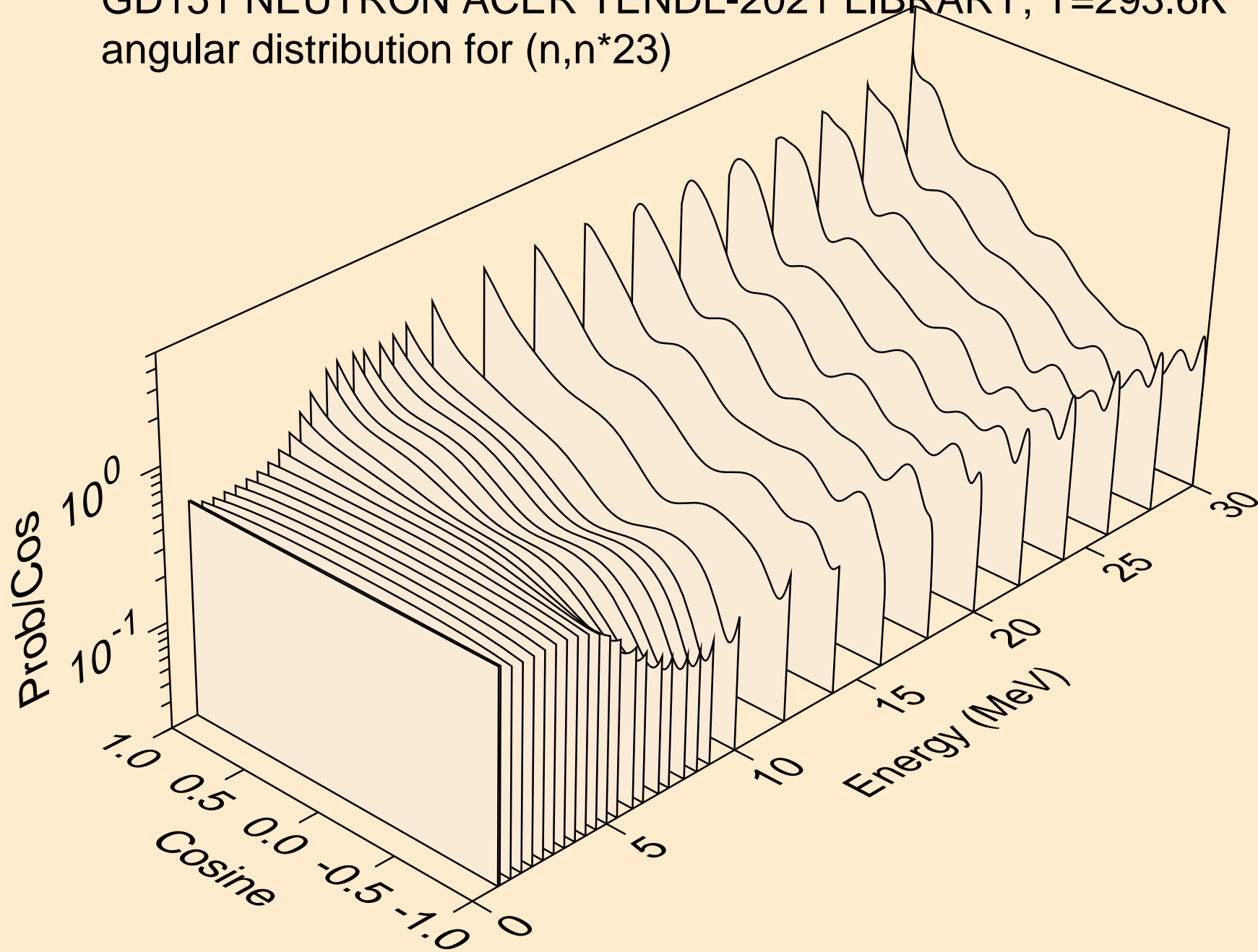
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*21)



GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*22)

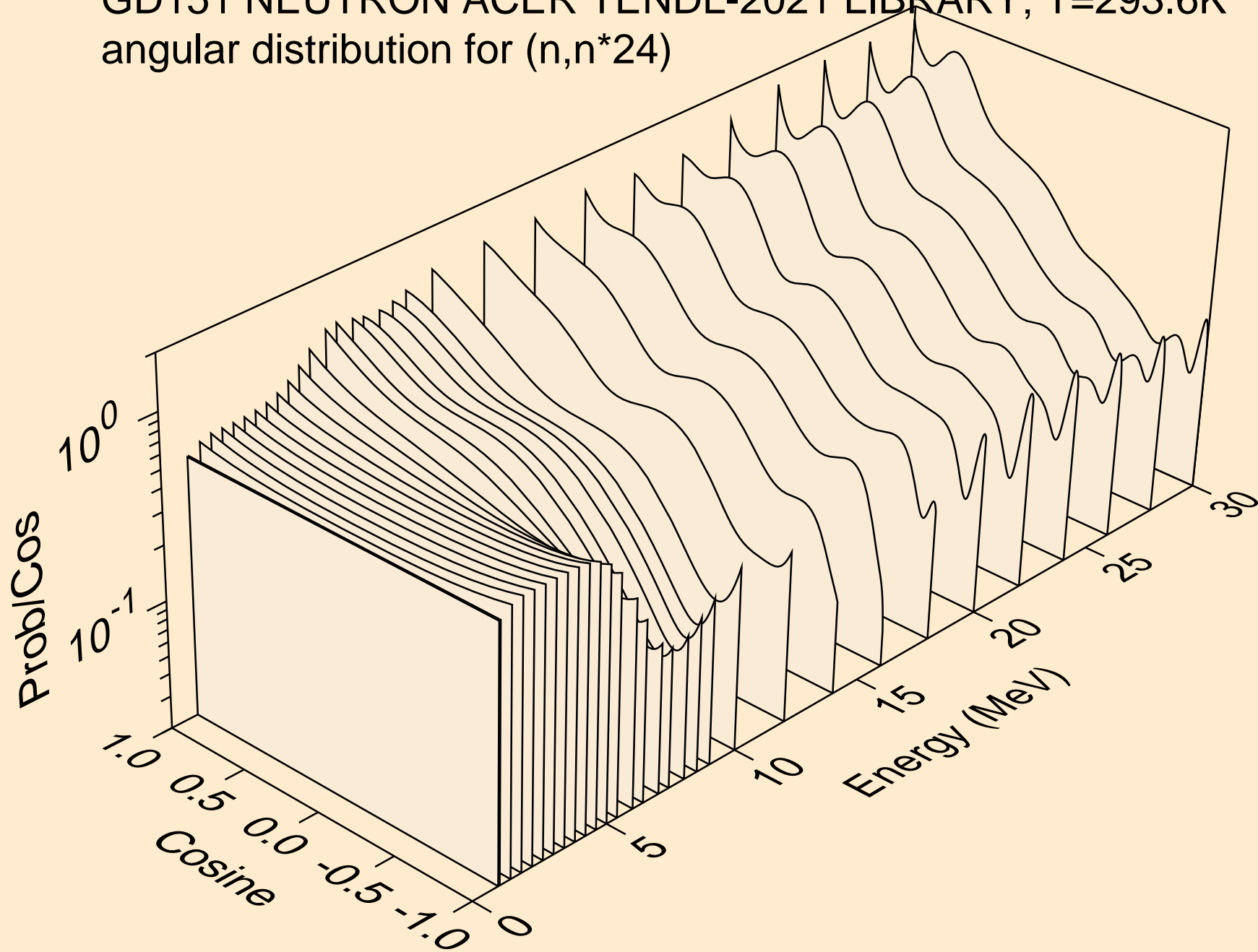


GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*23)

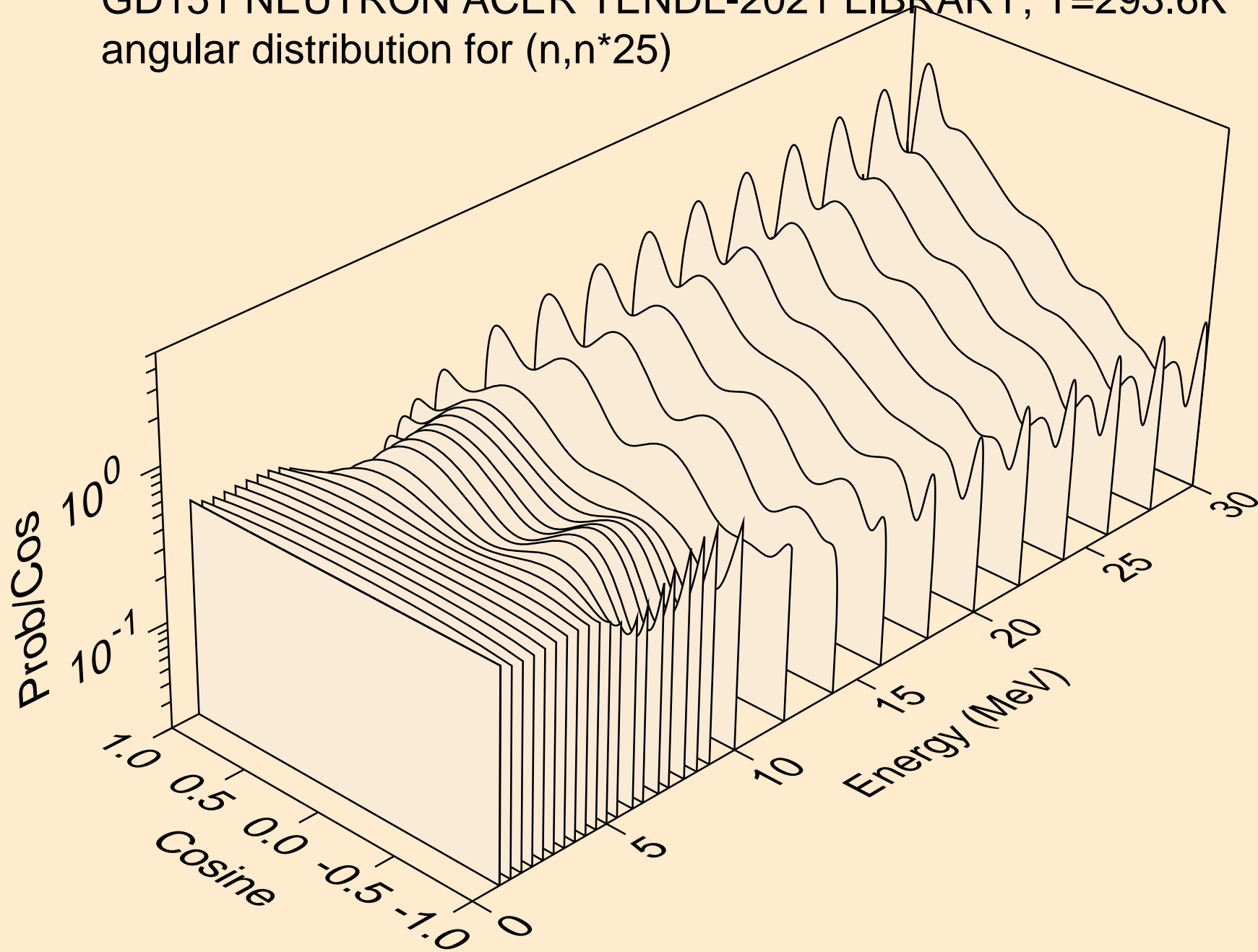




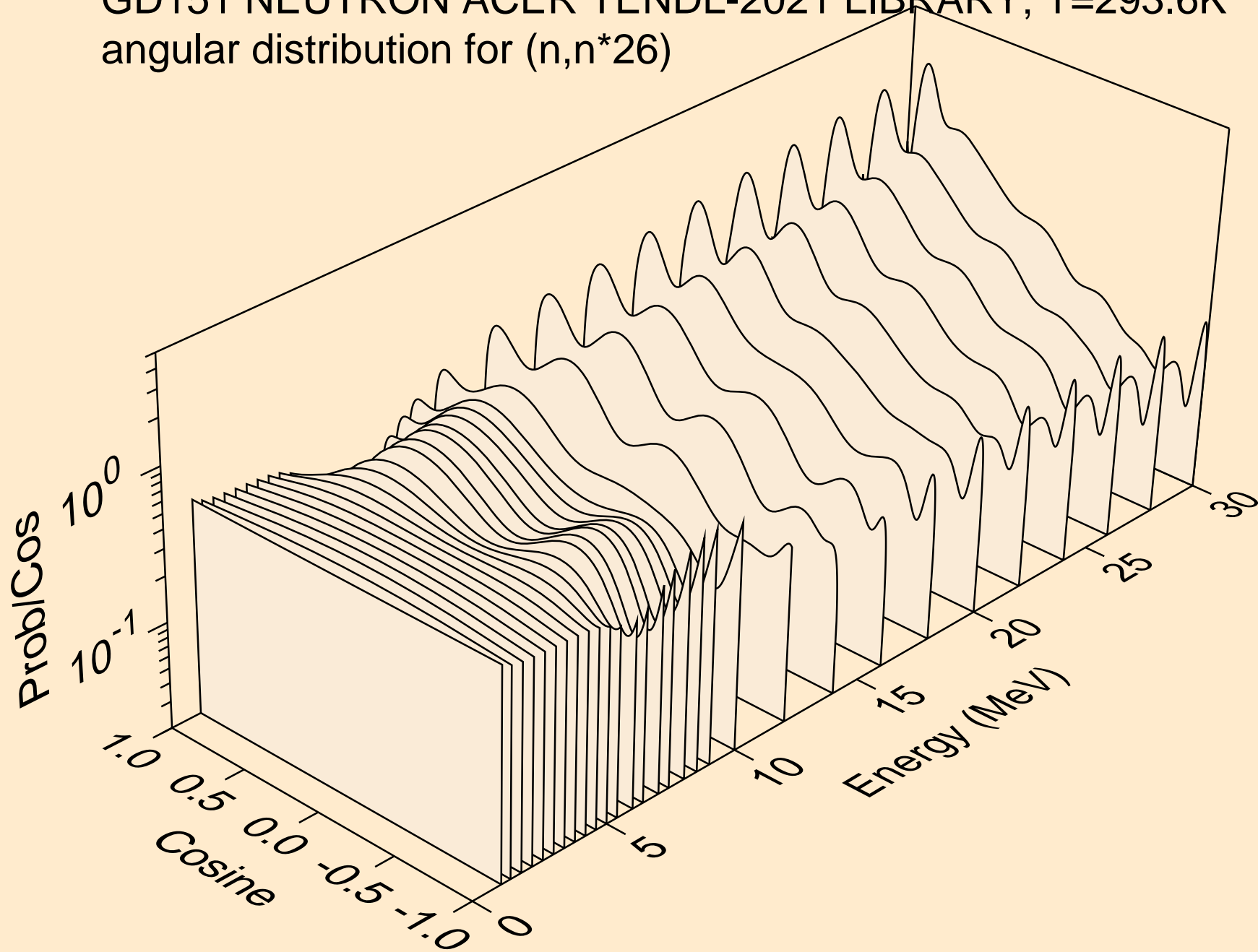
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*24)



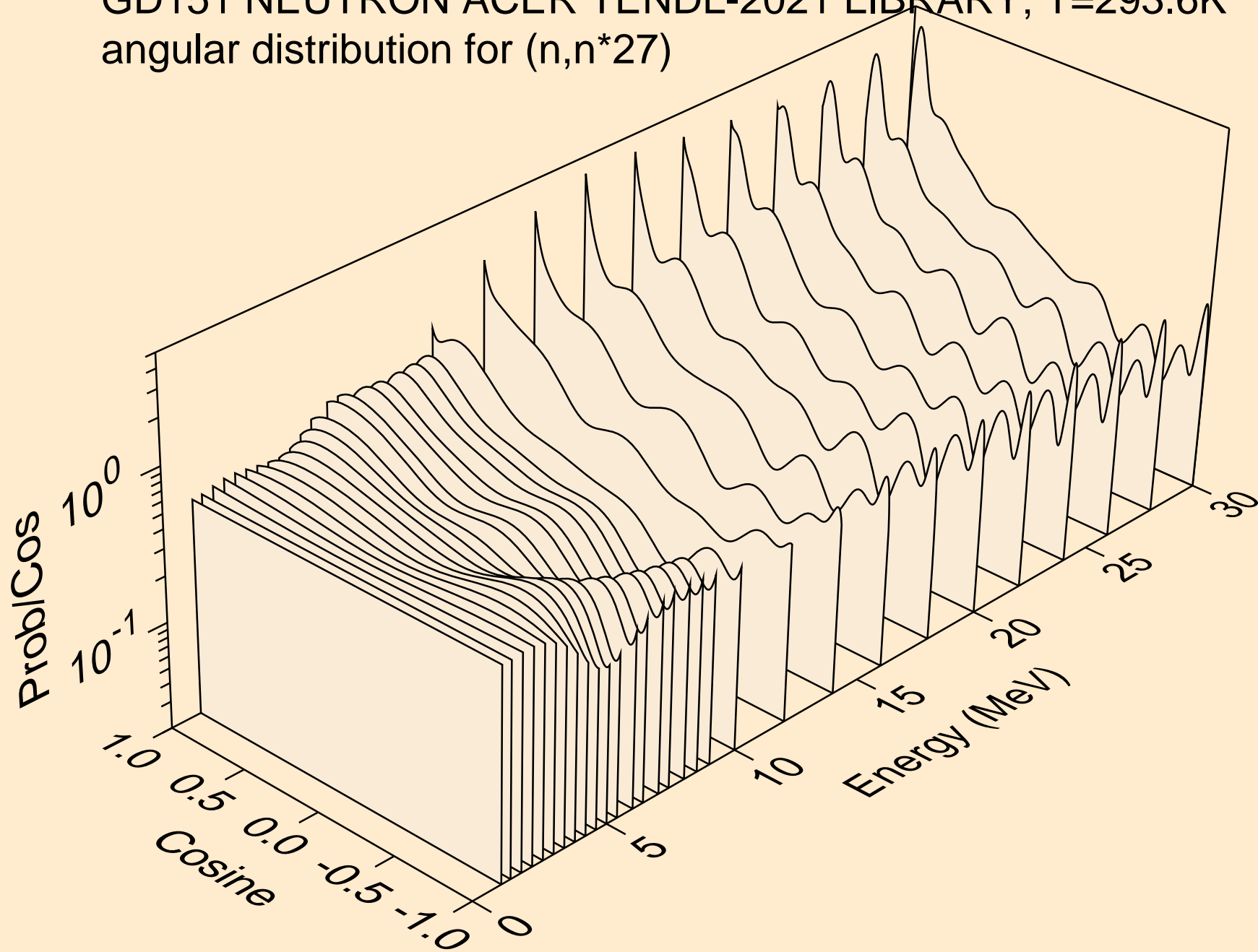
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angular distribution for (n,n\*25)



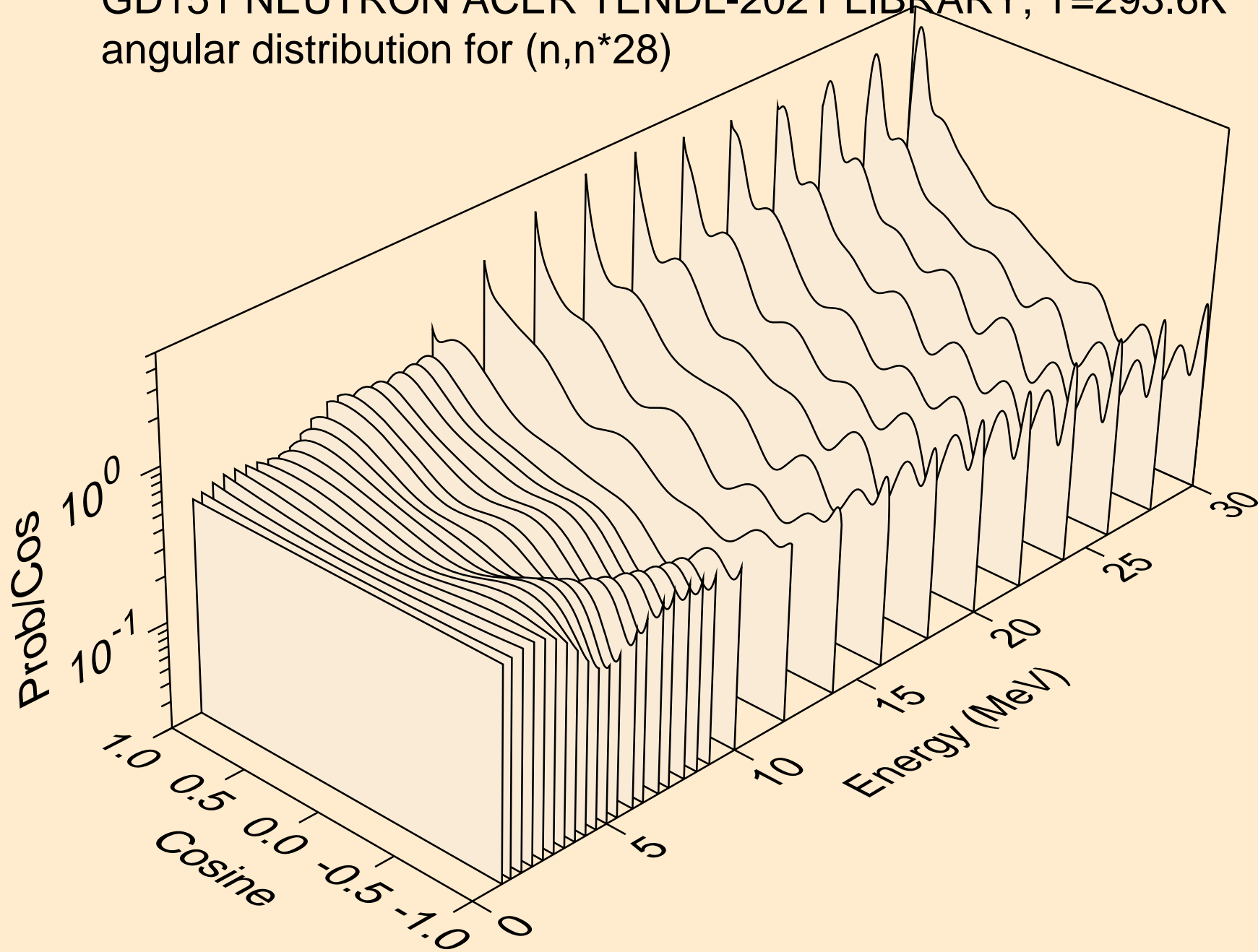
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*26)



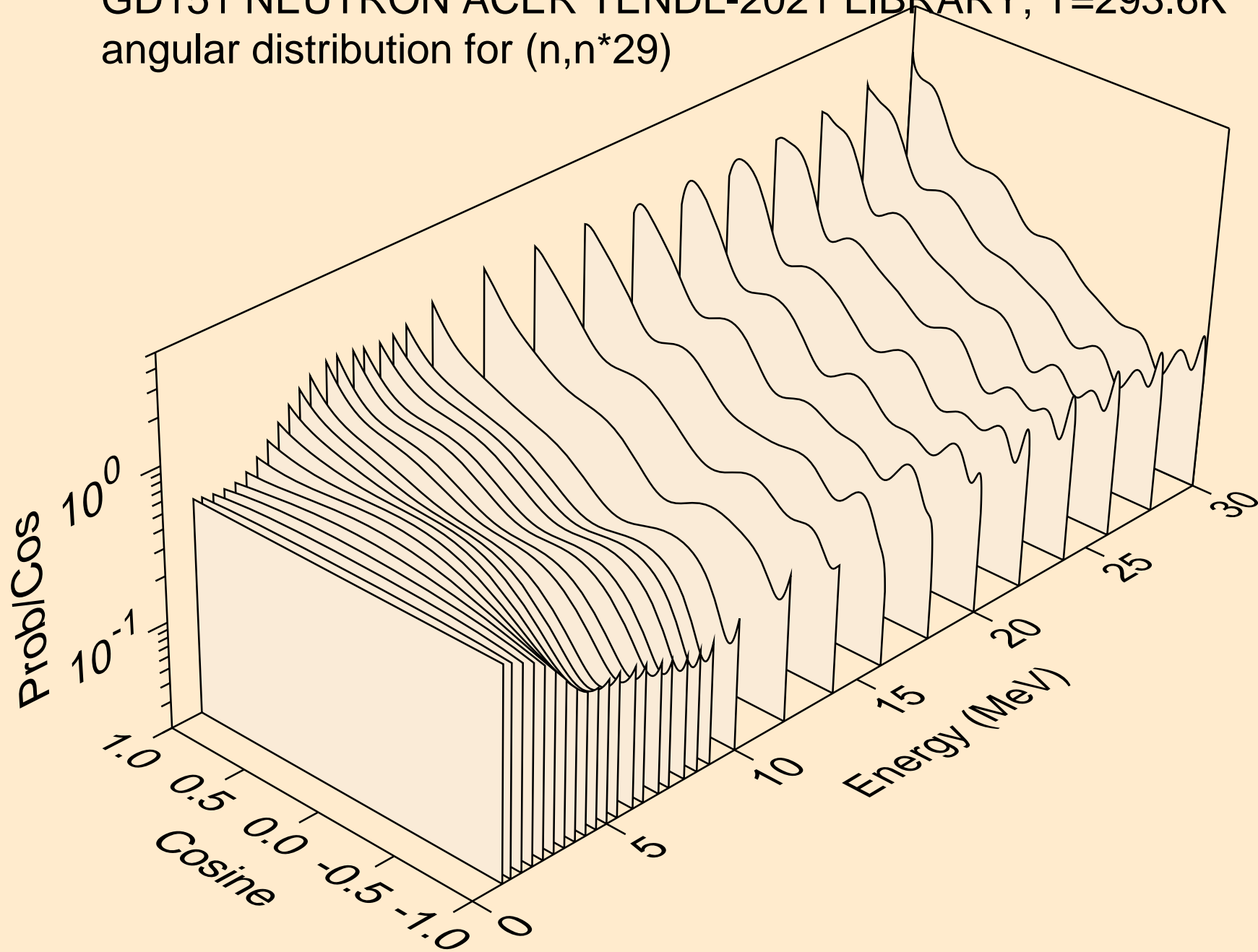
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*27)



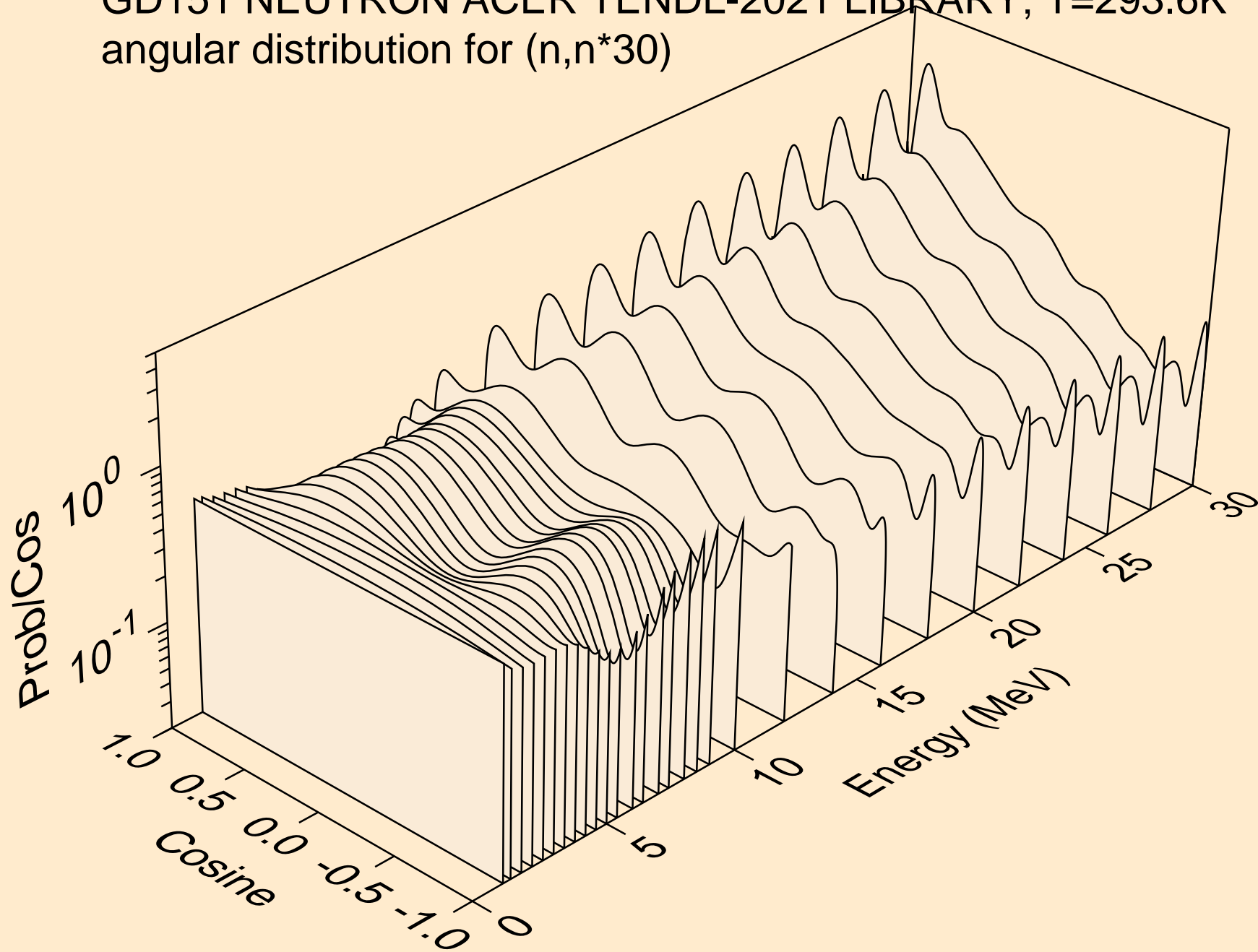
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angular distribution for (n,n\*28)



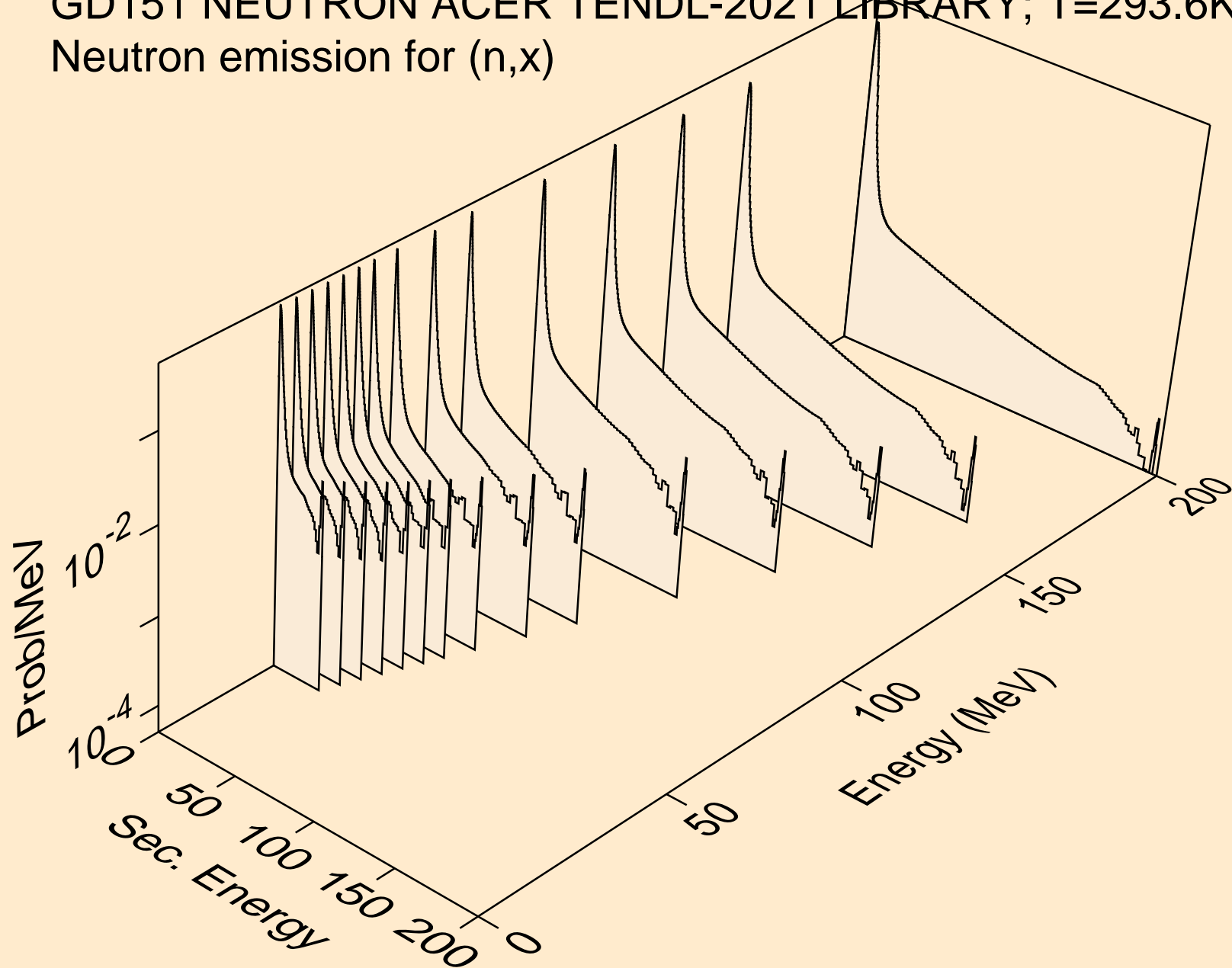
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*29)



GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*30)

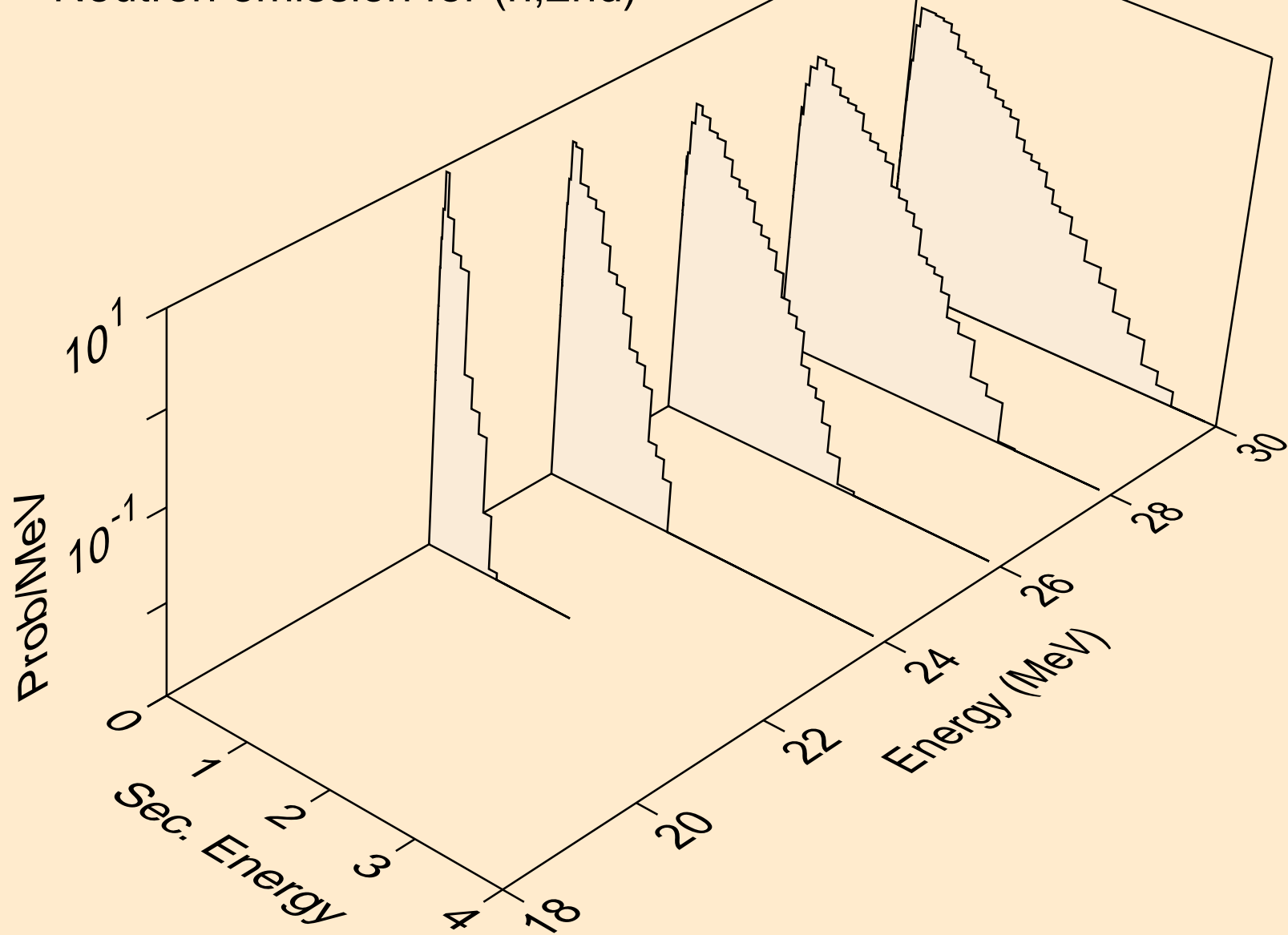


GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)

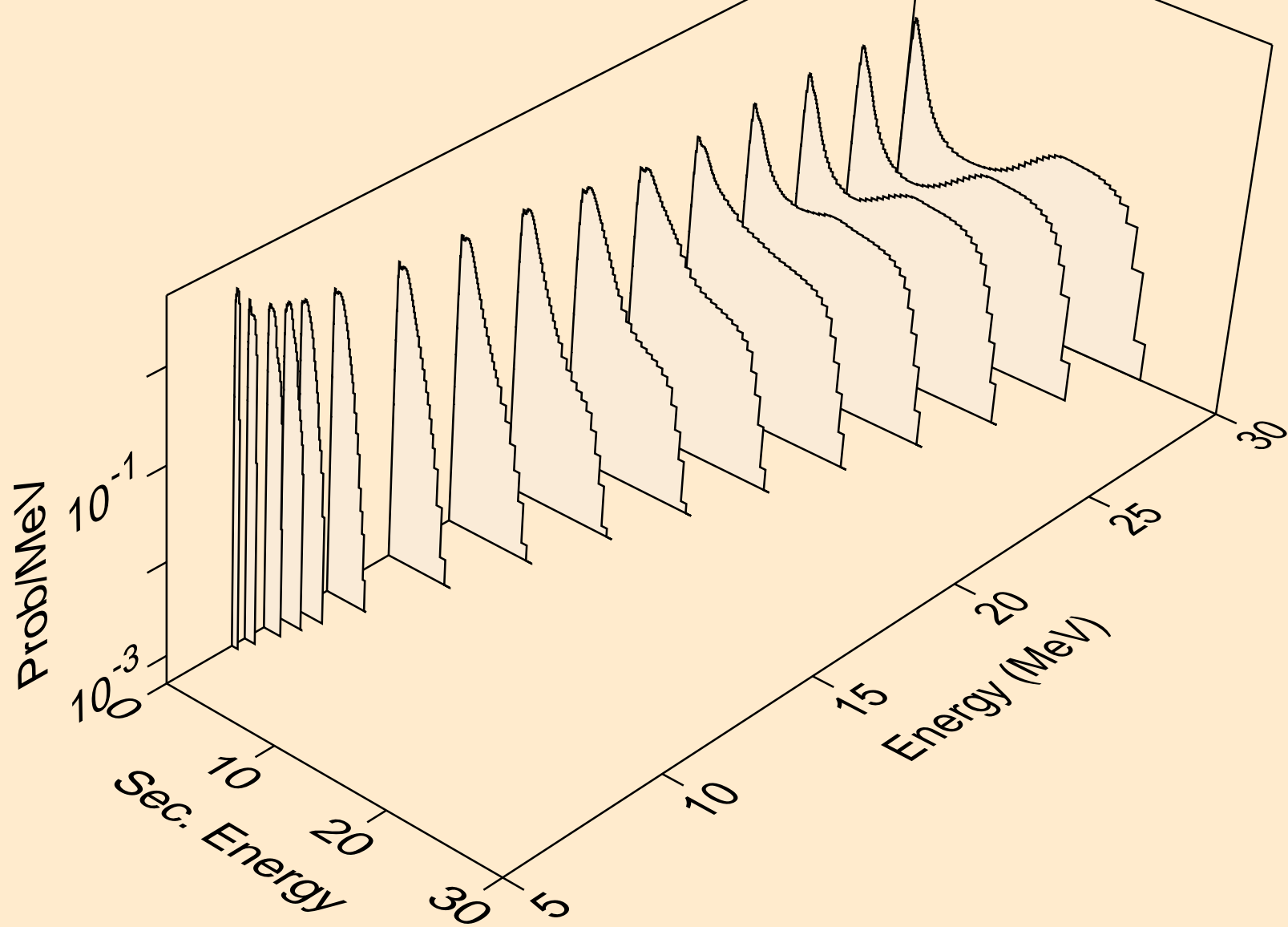




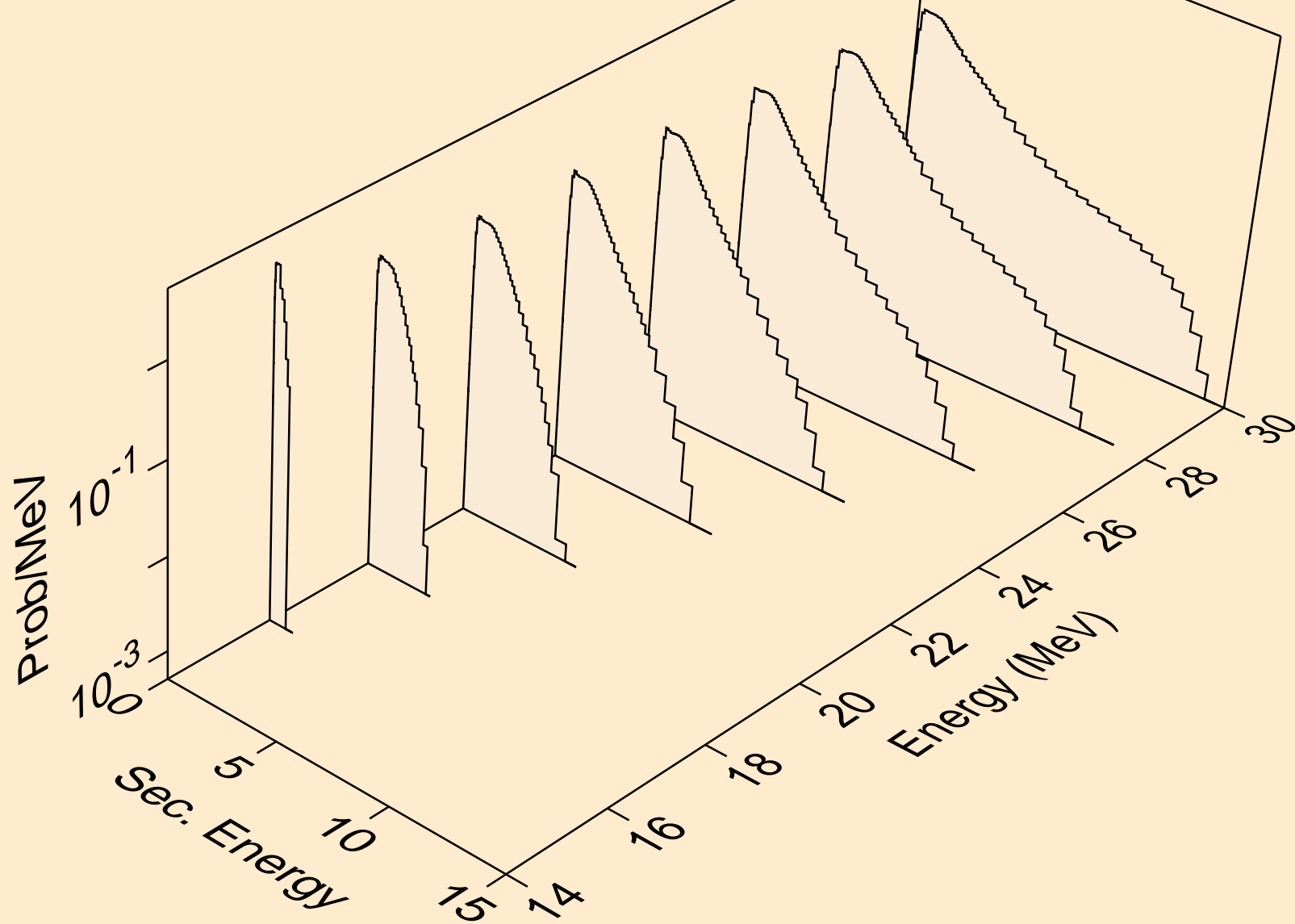
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



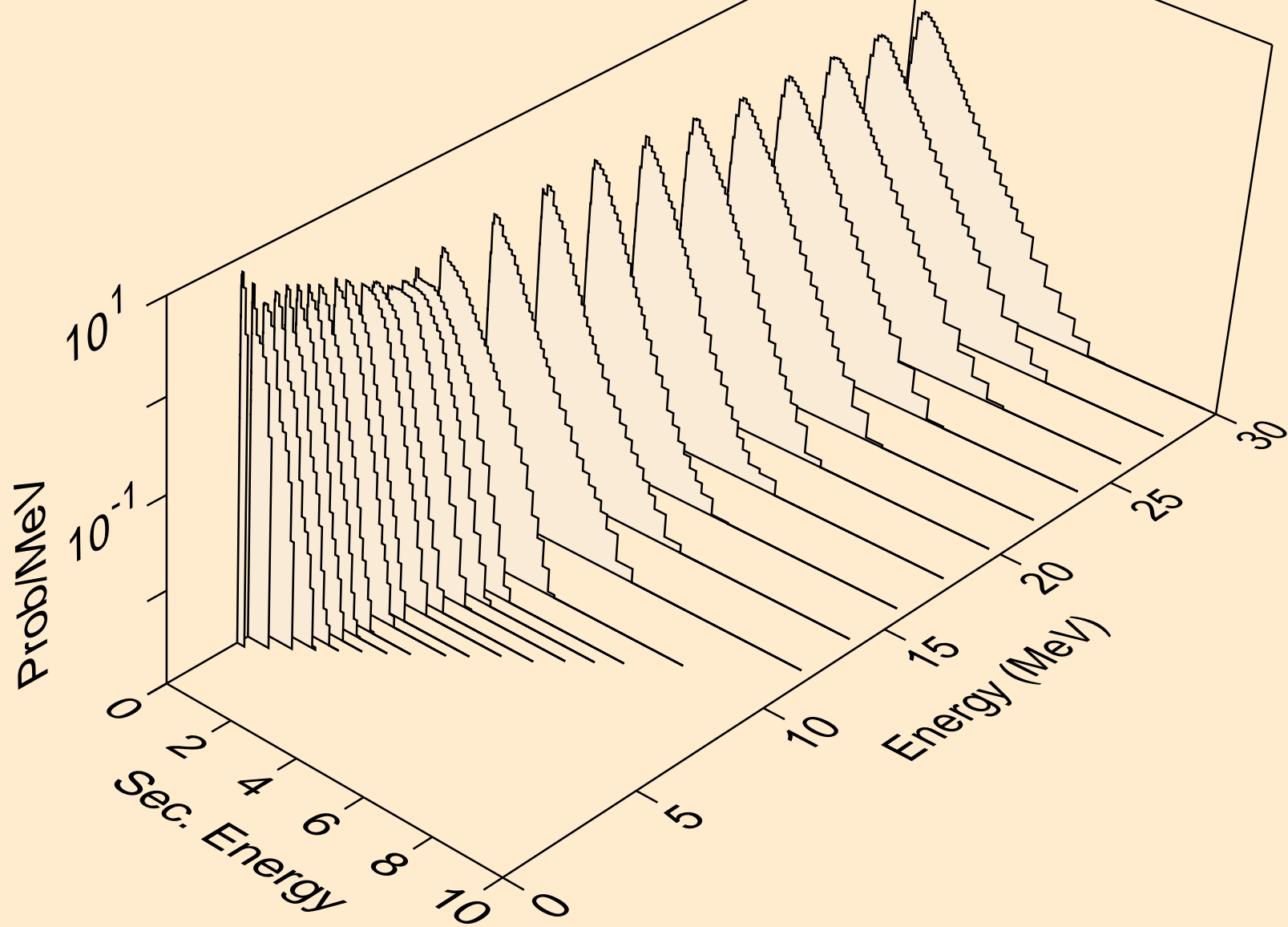
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



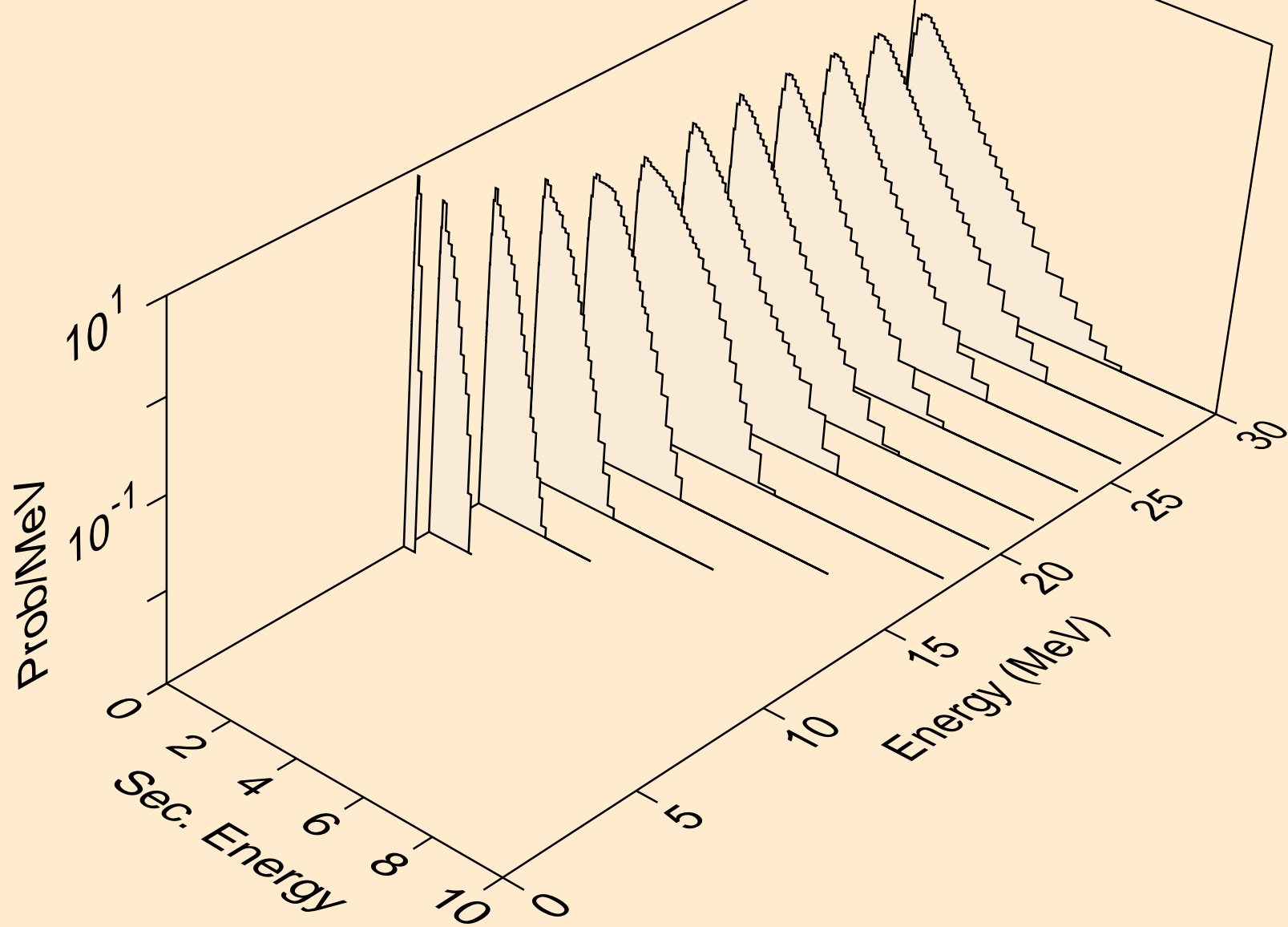
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



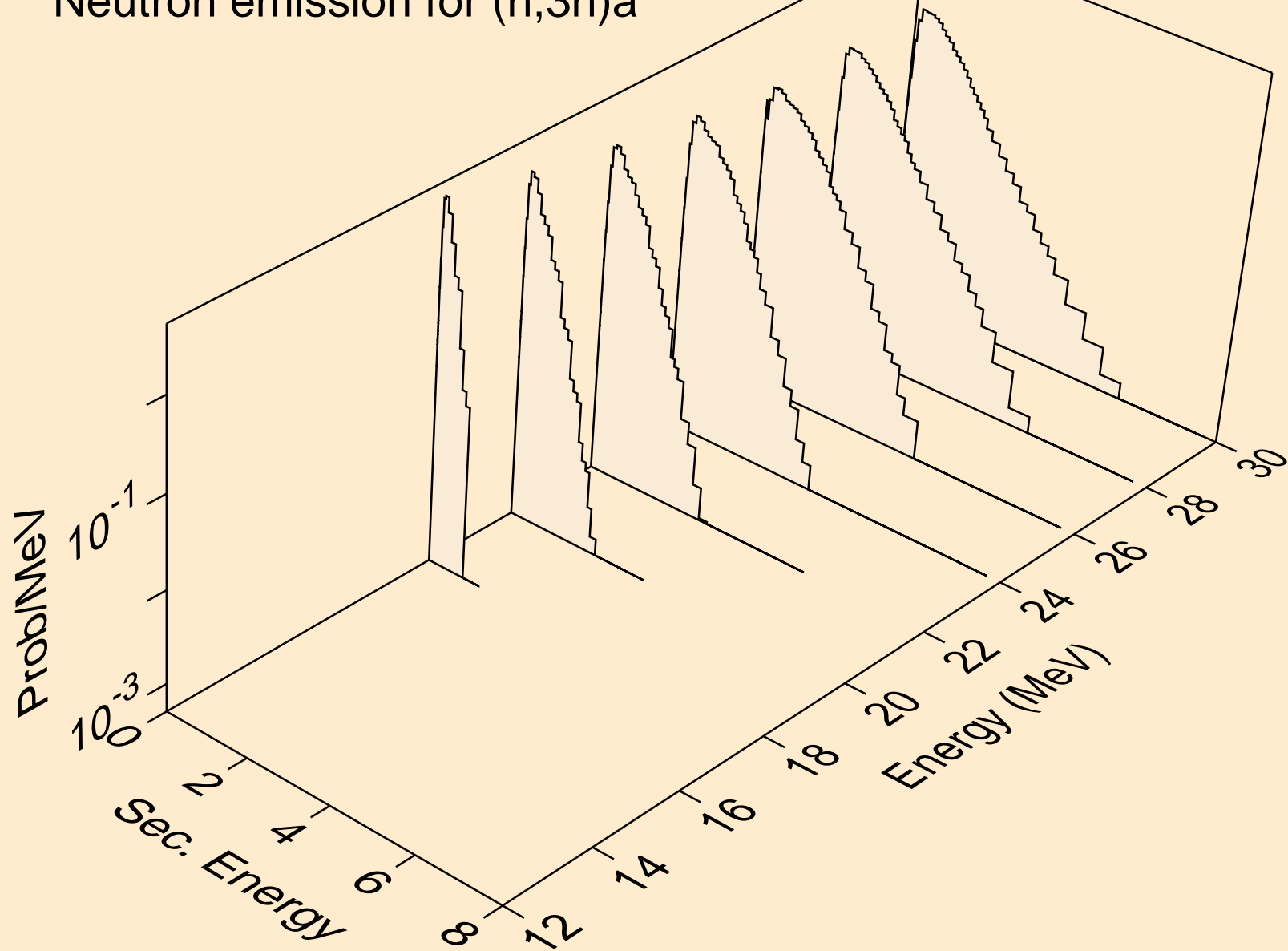
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



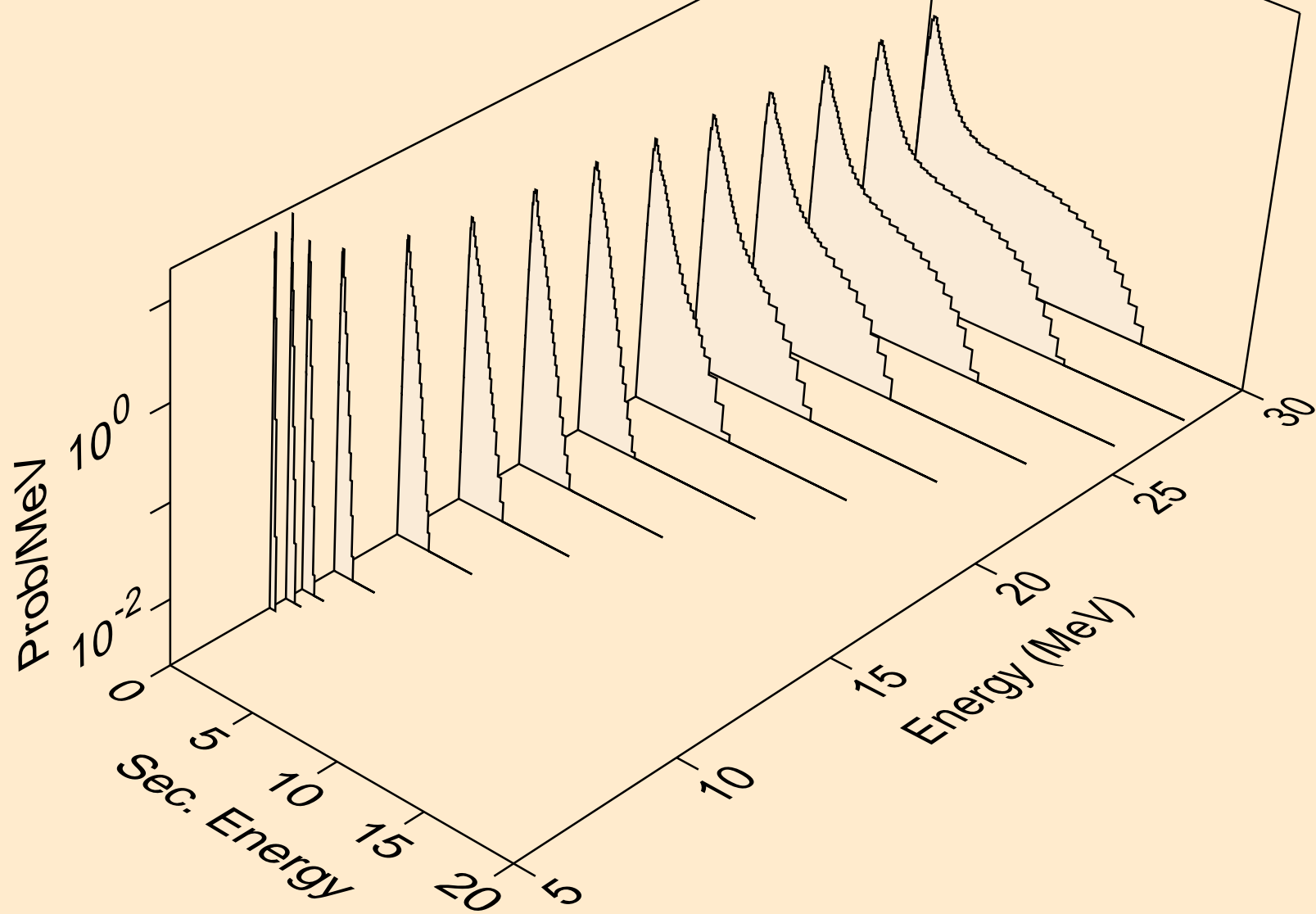
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a



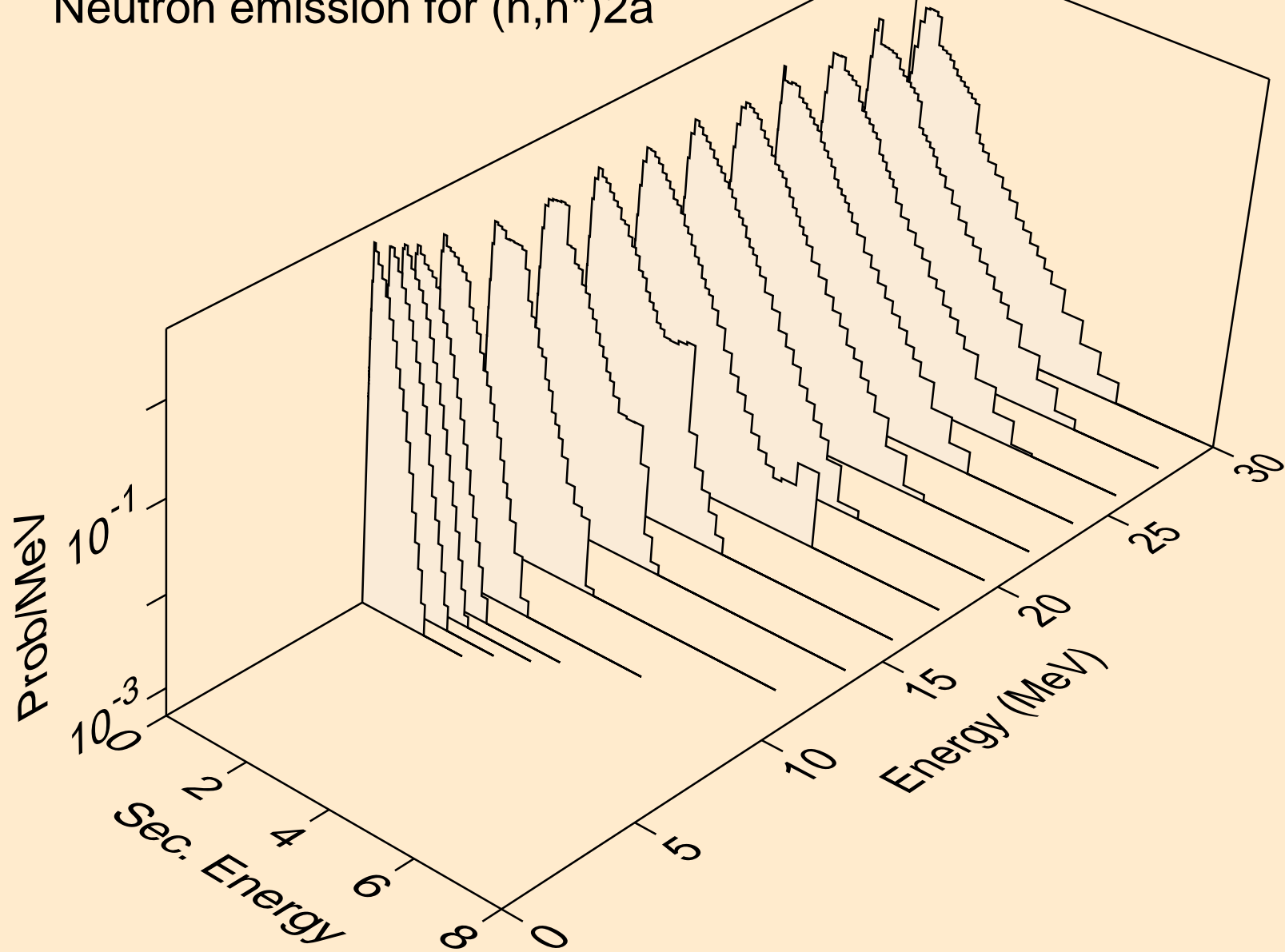
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p

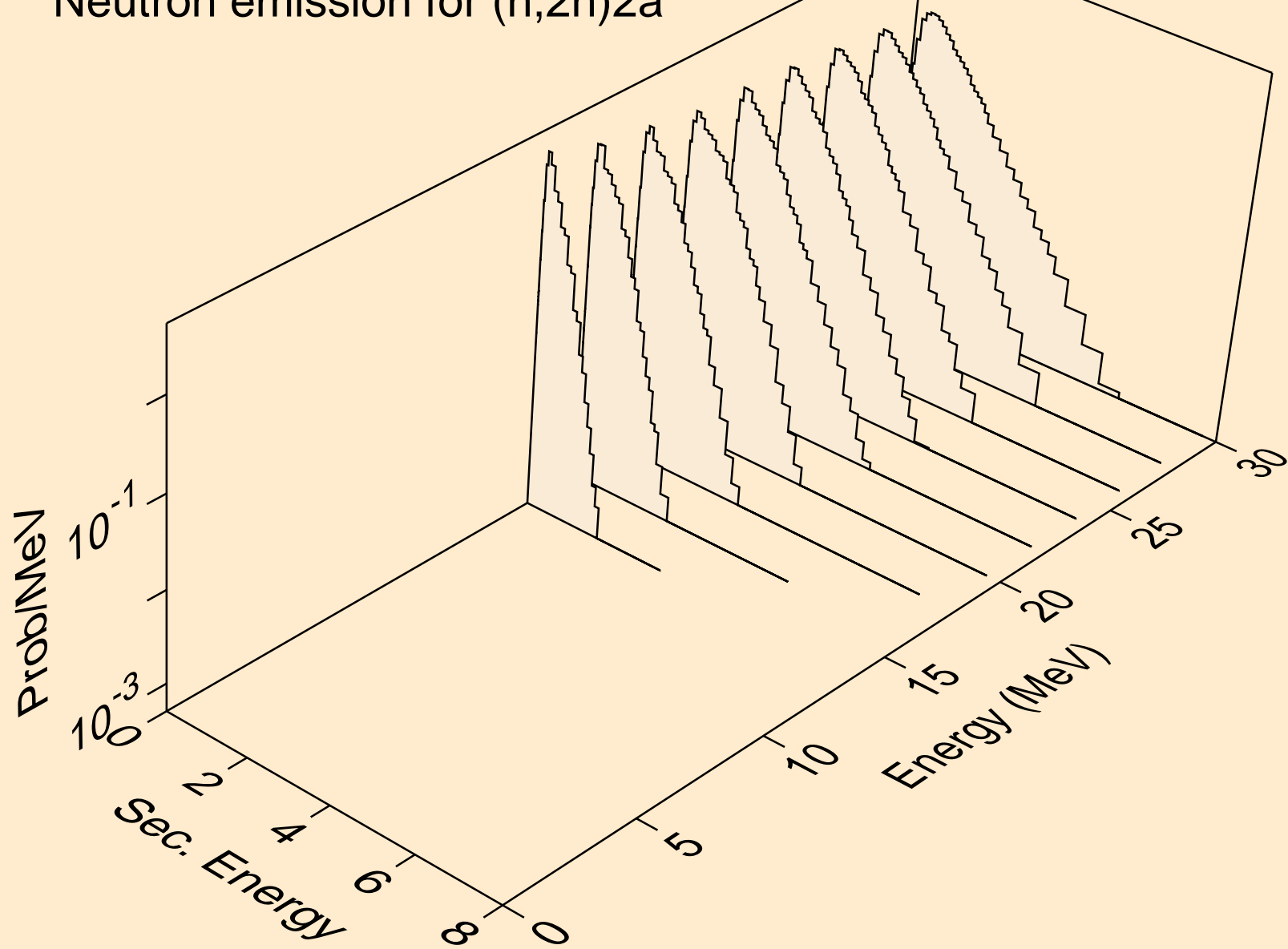


GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a

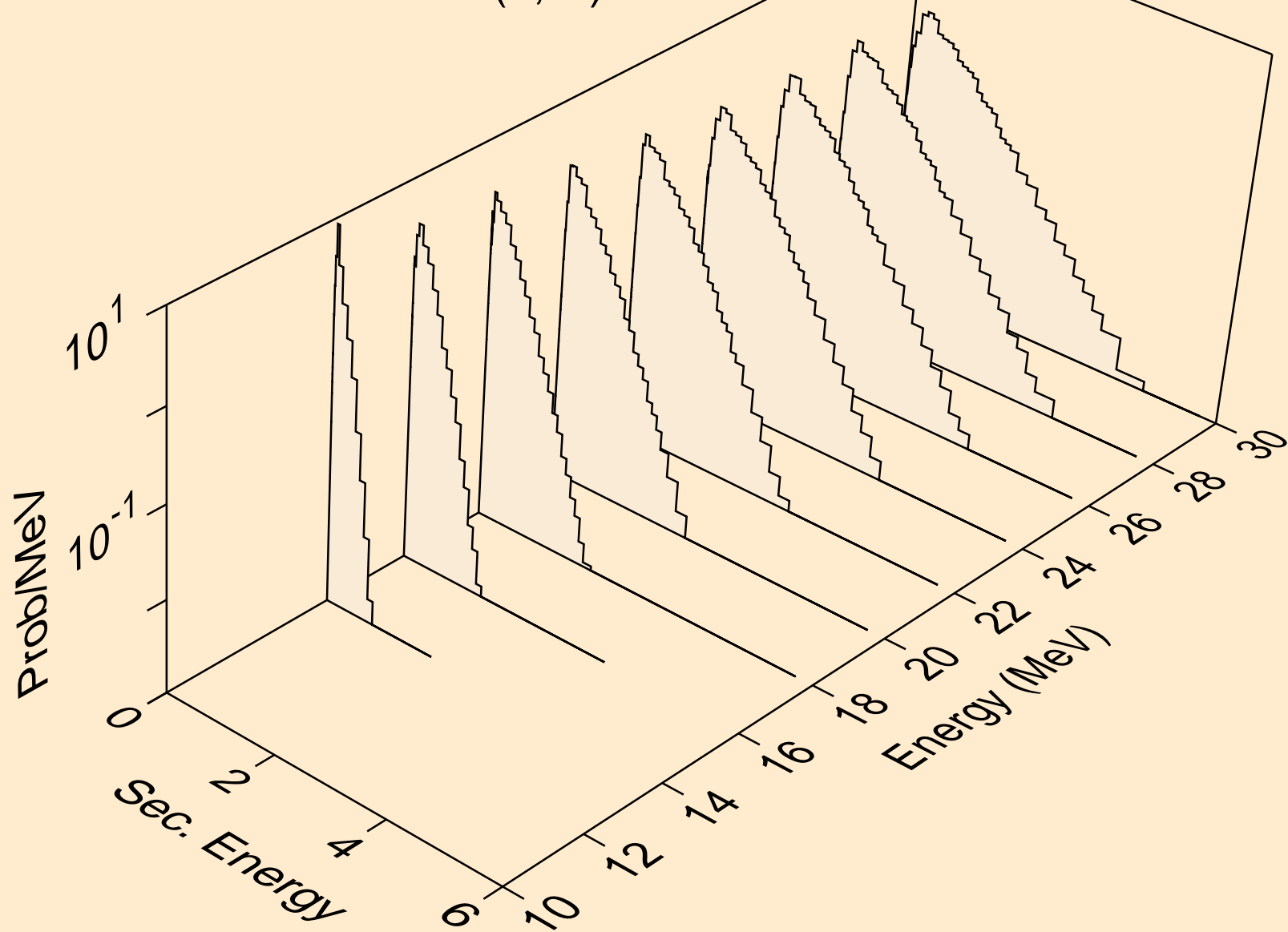




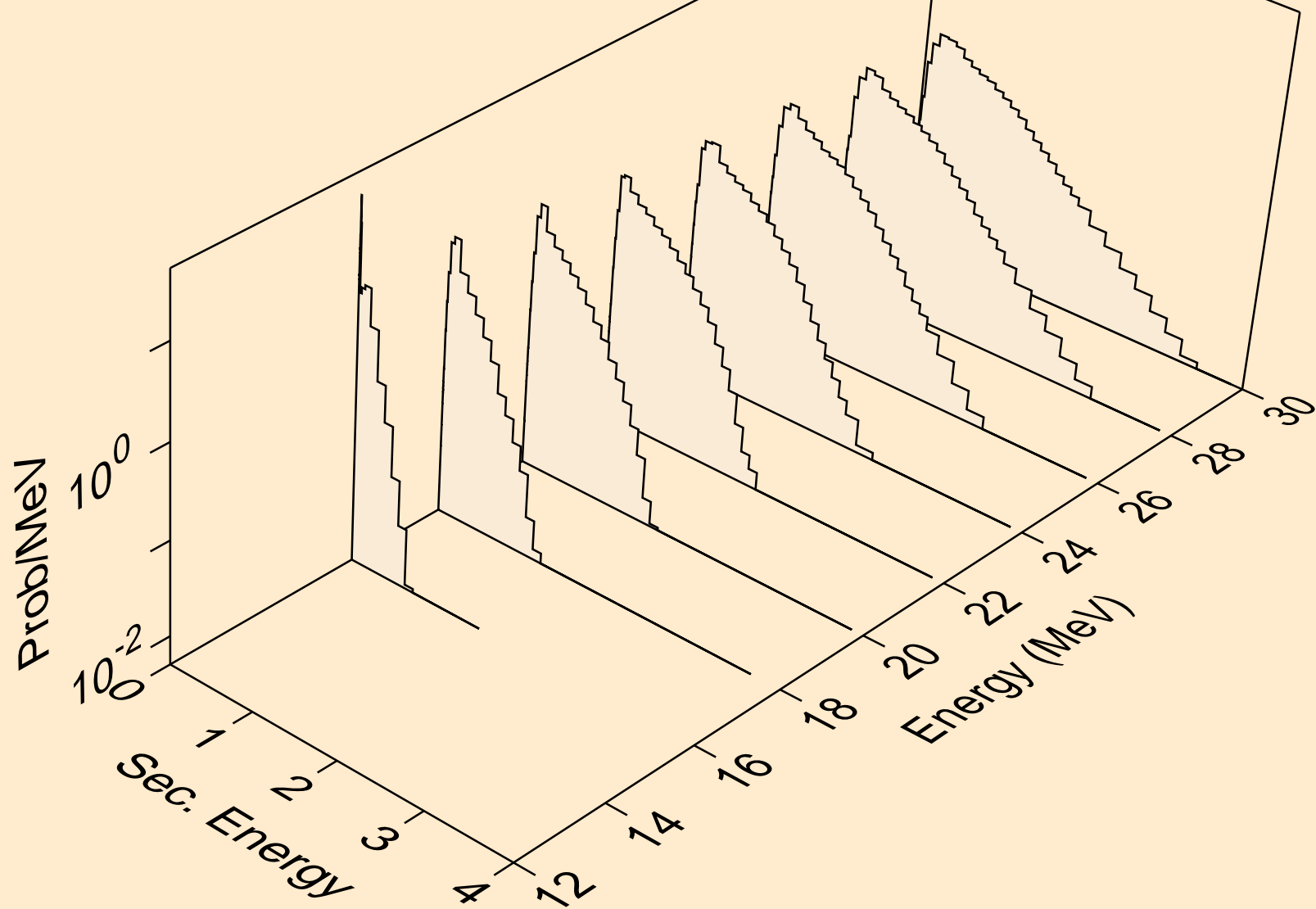
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)2a



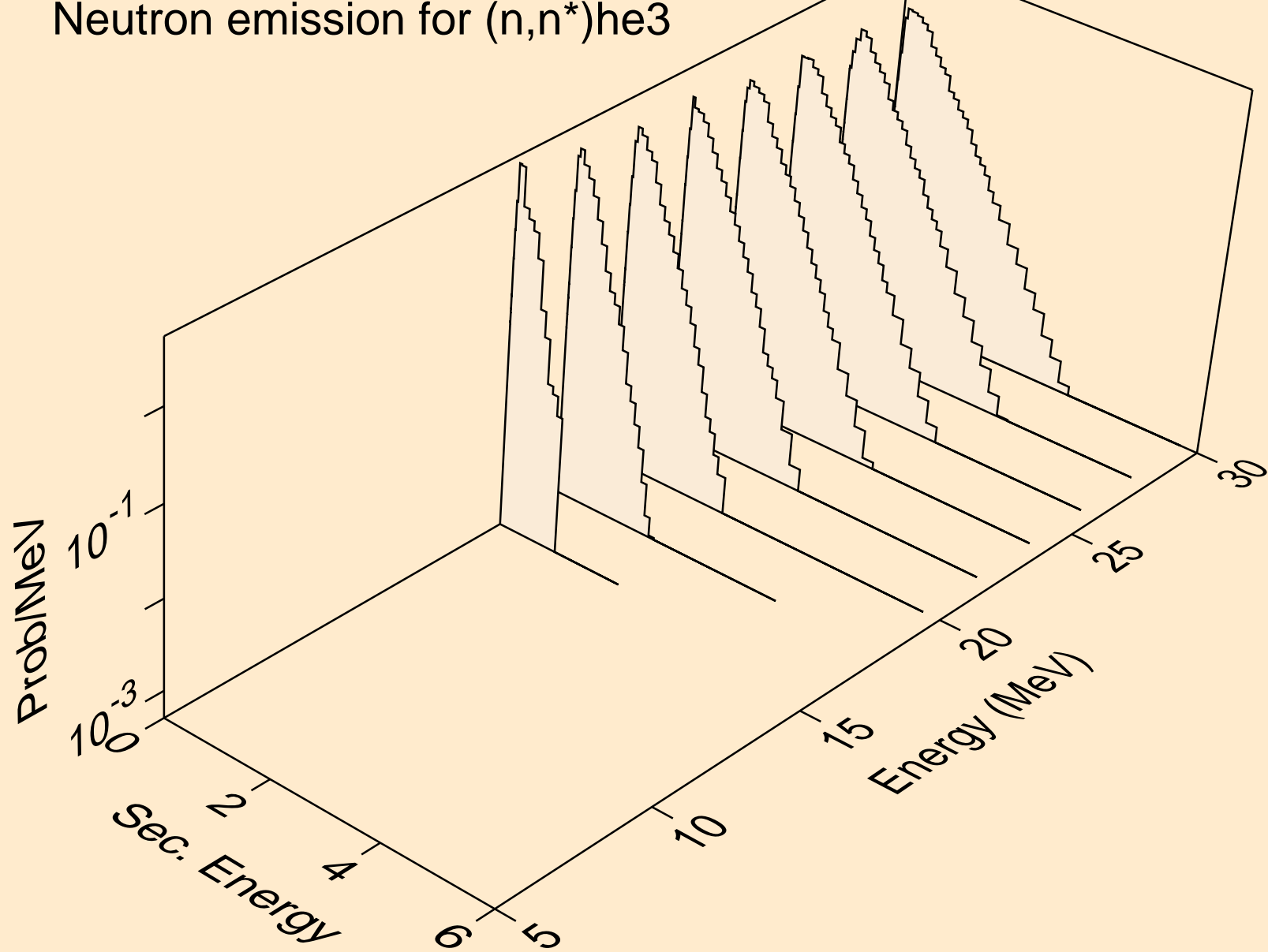
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



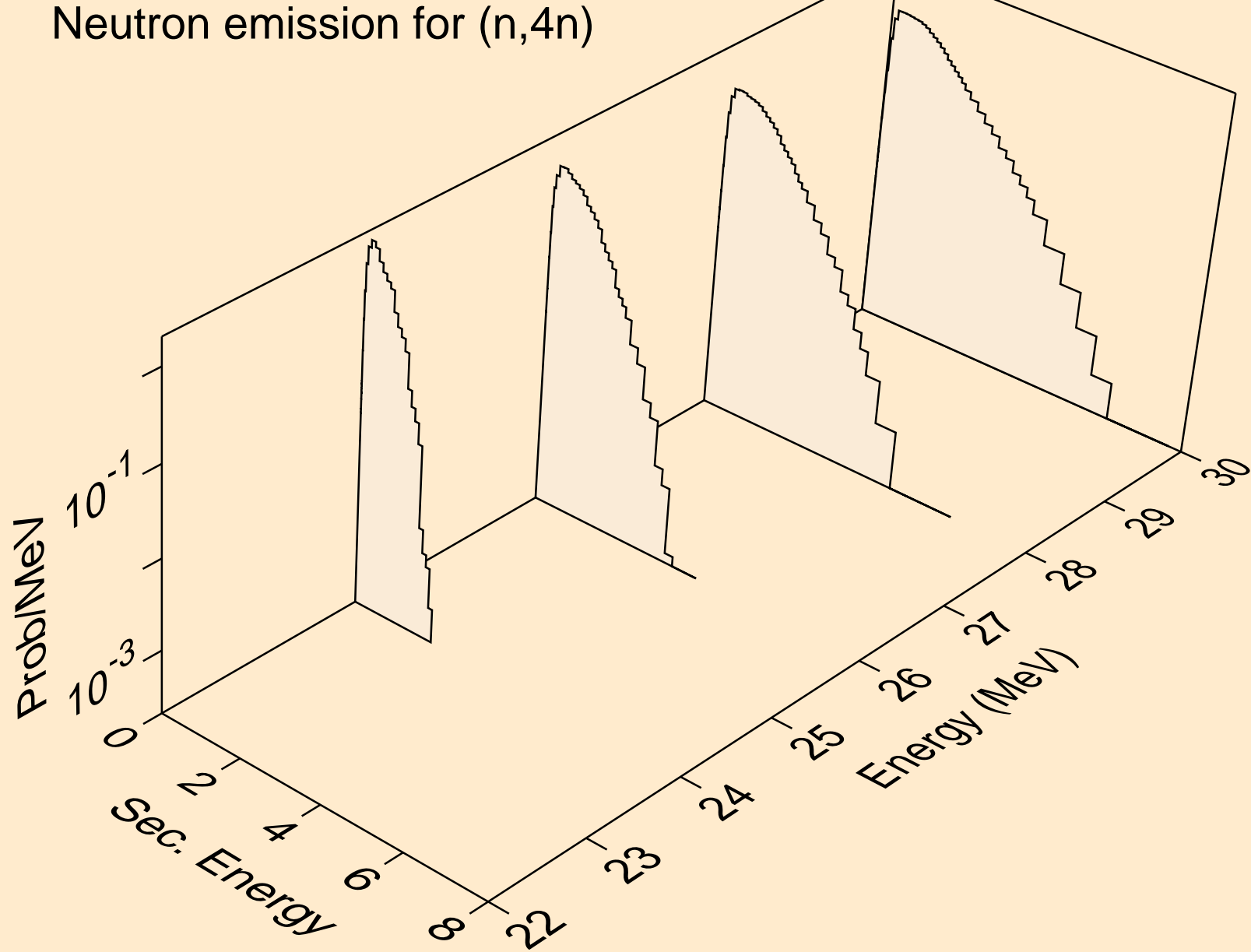
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



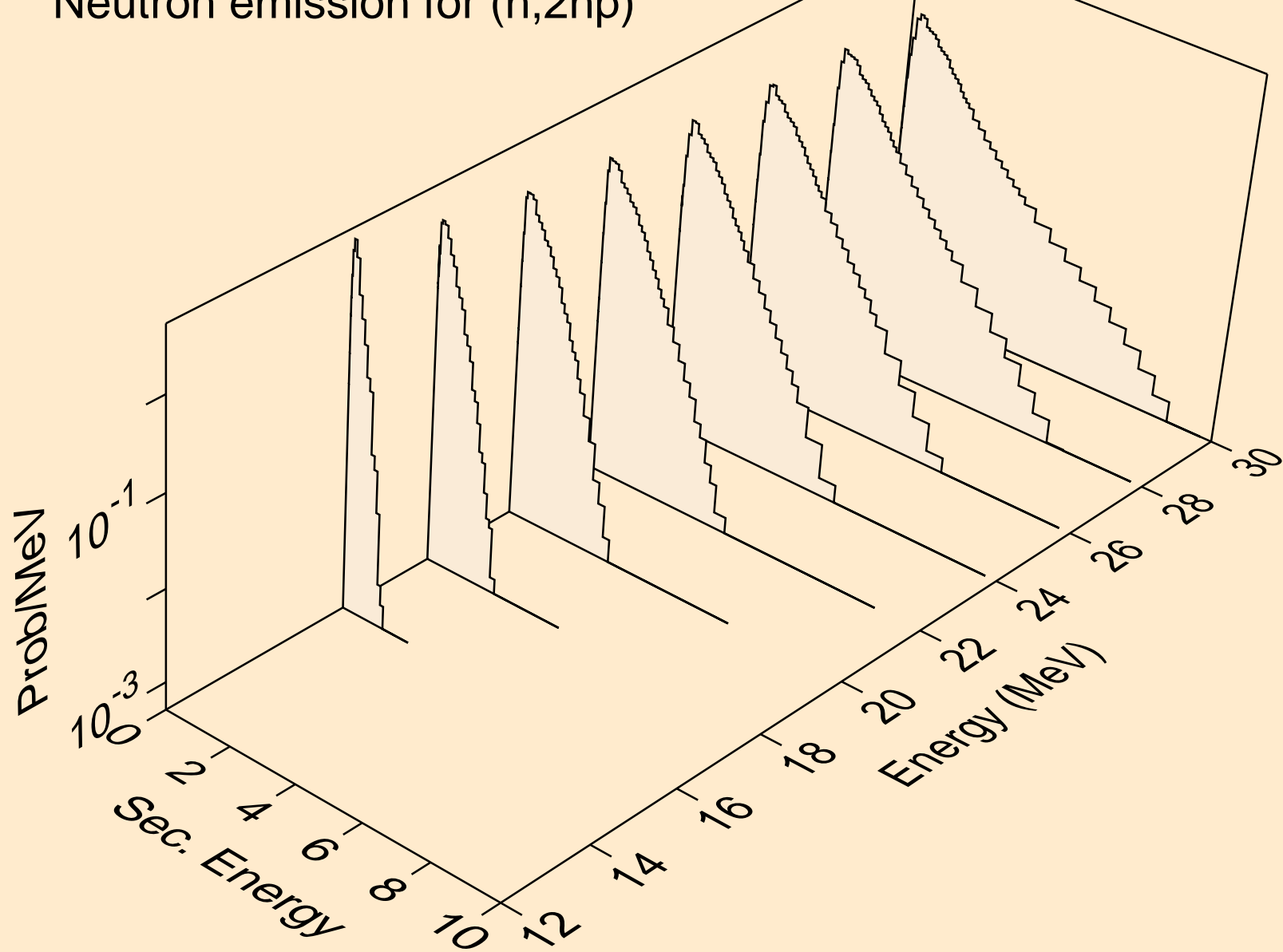
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



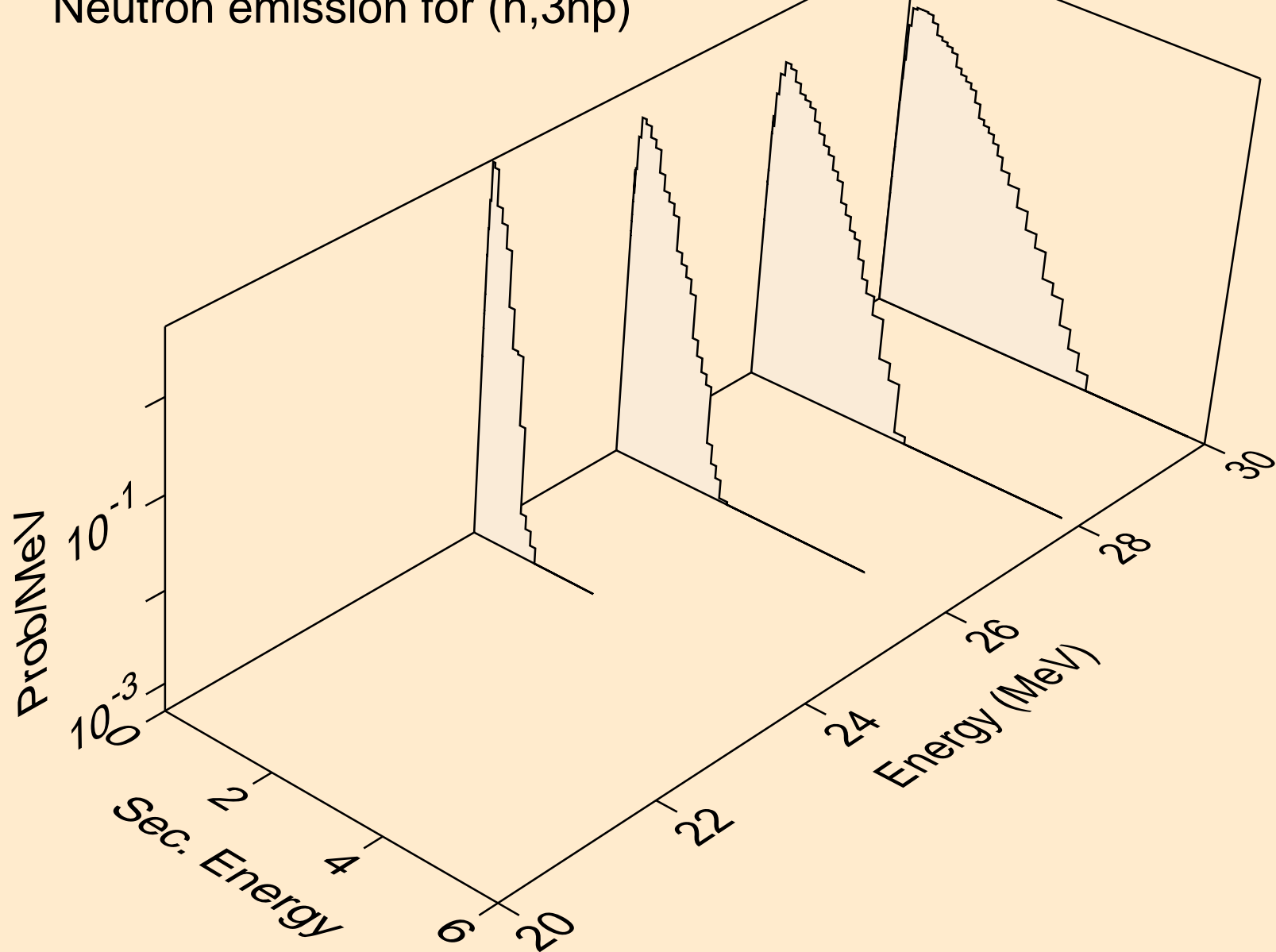
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,4n)



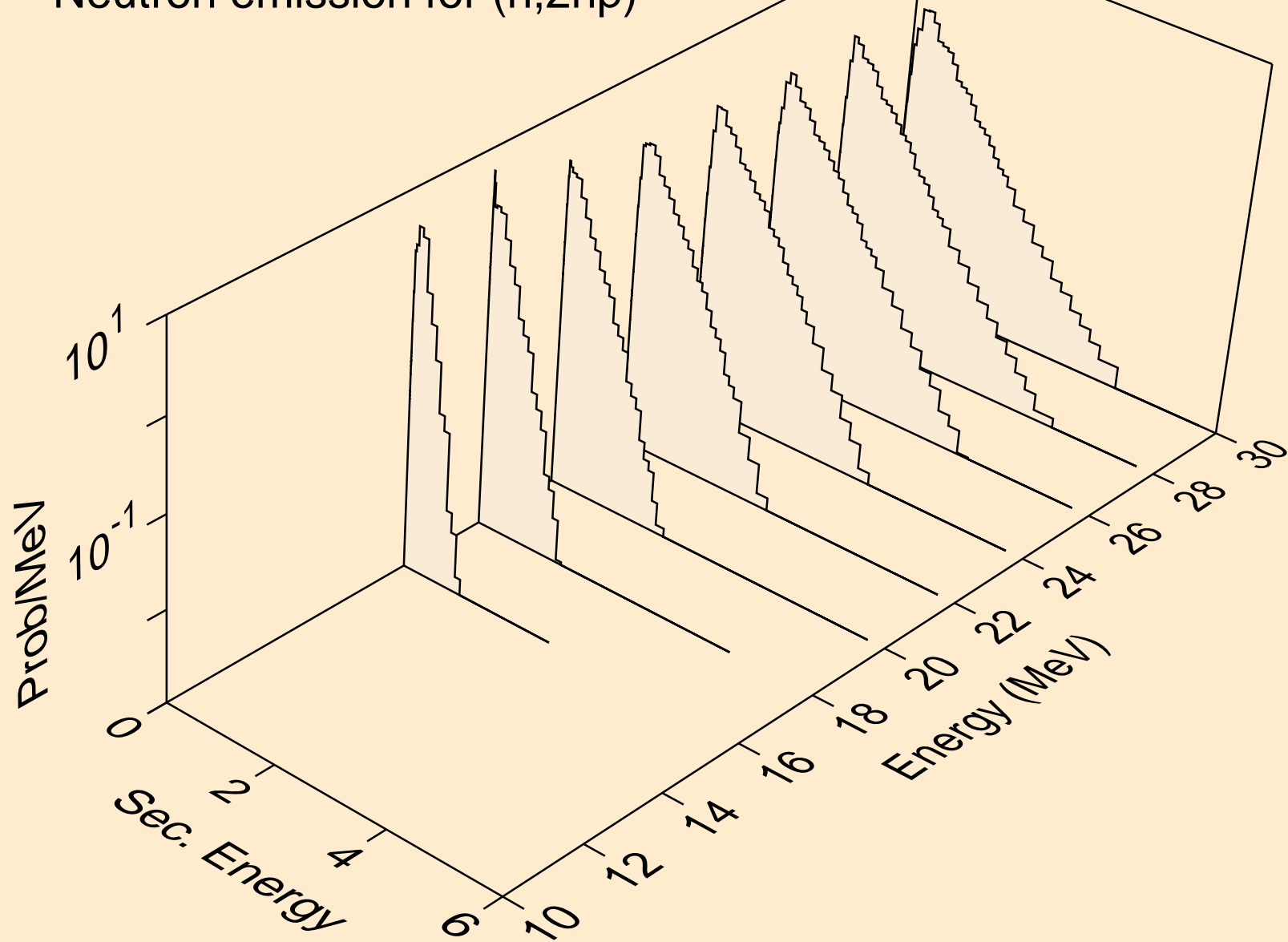
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)

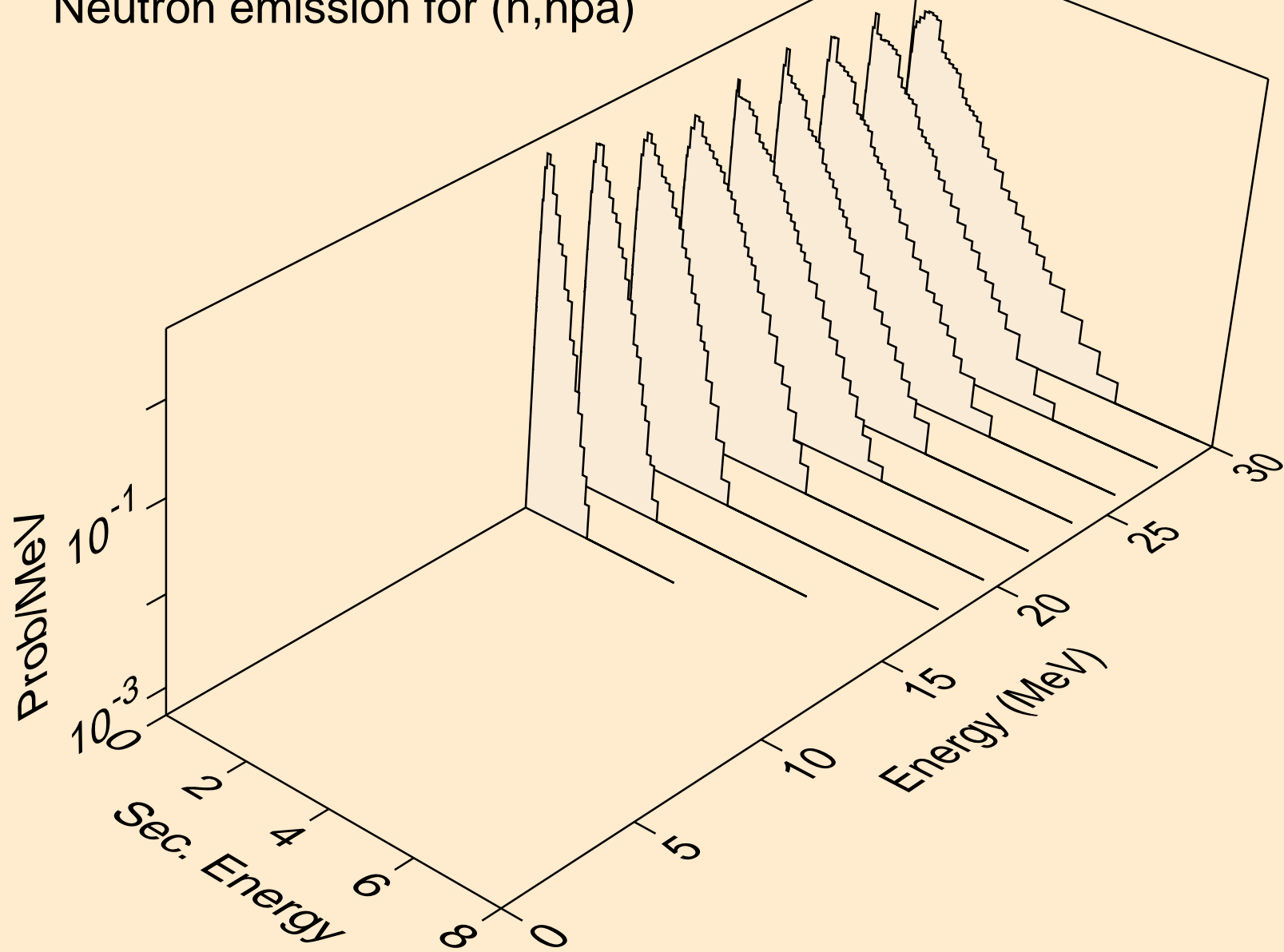


GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)

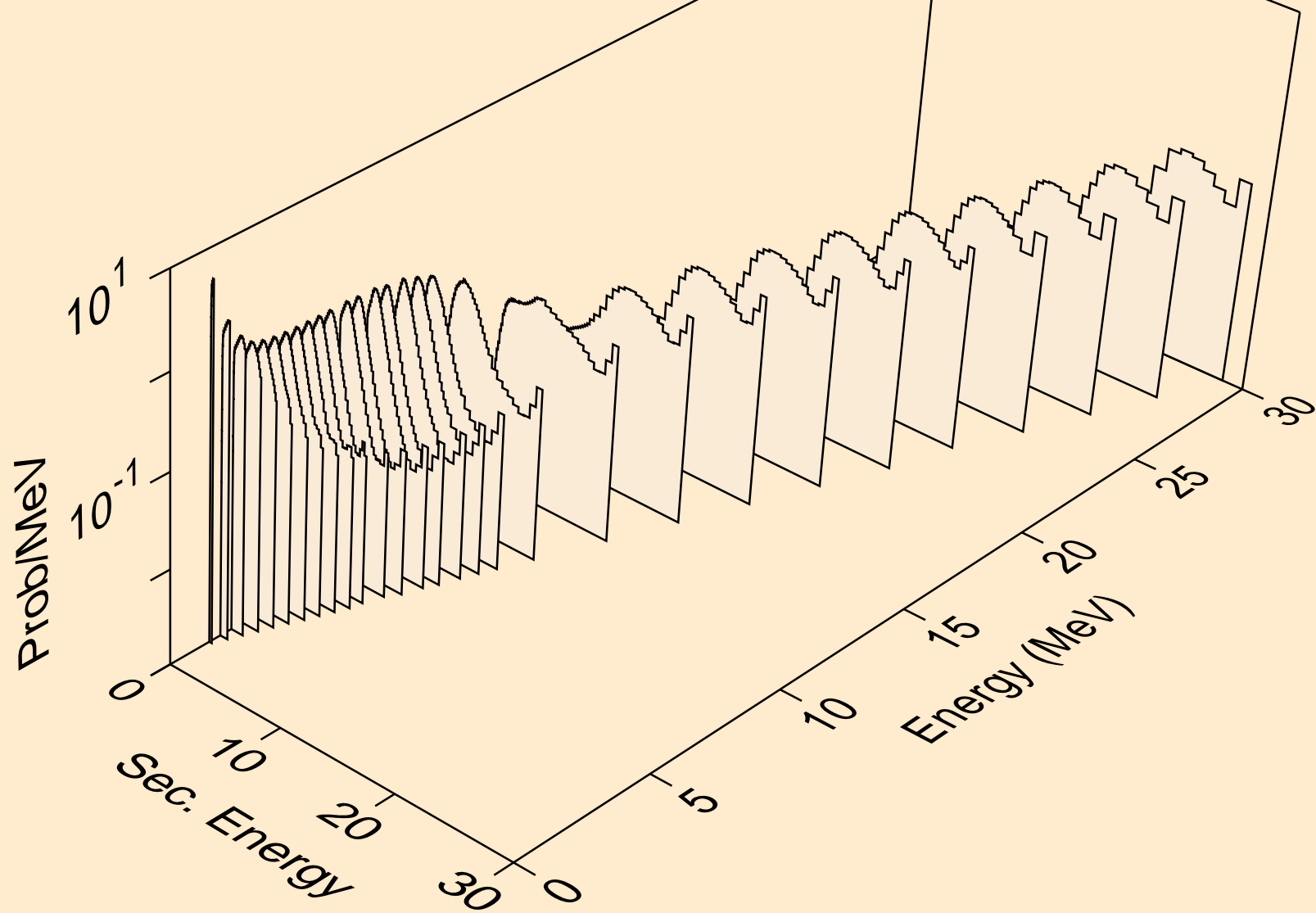




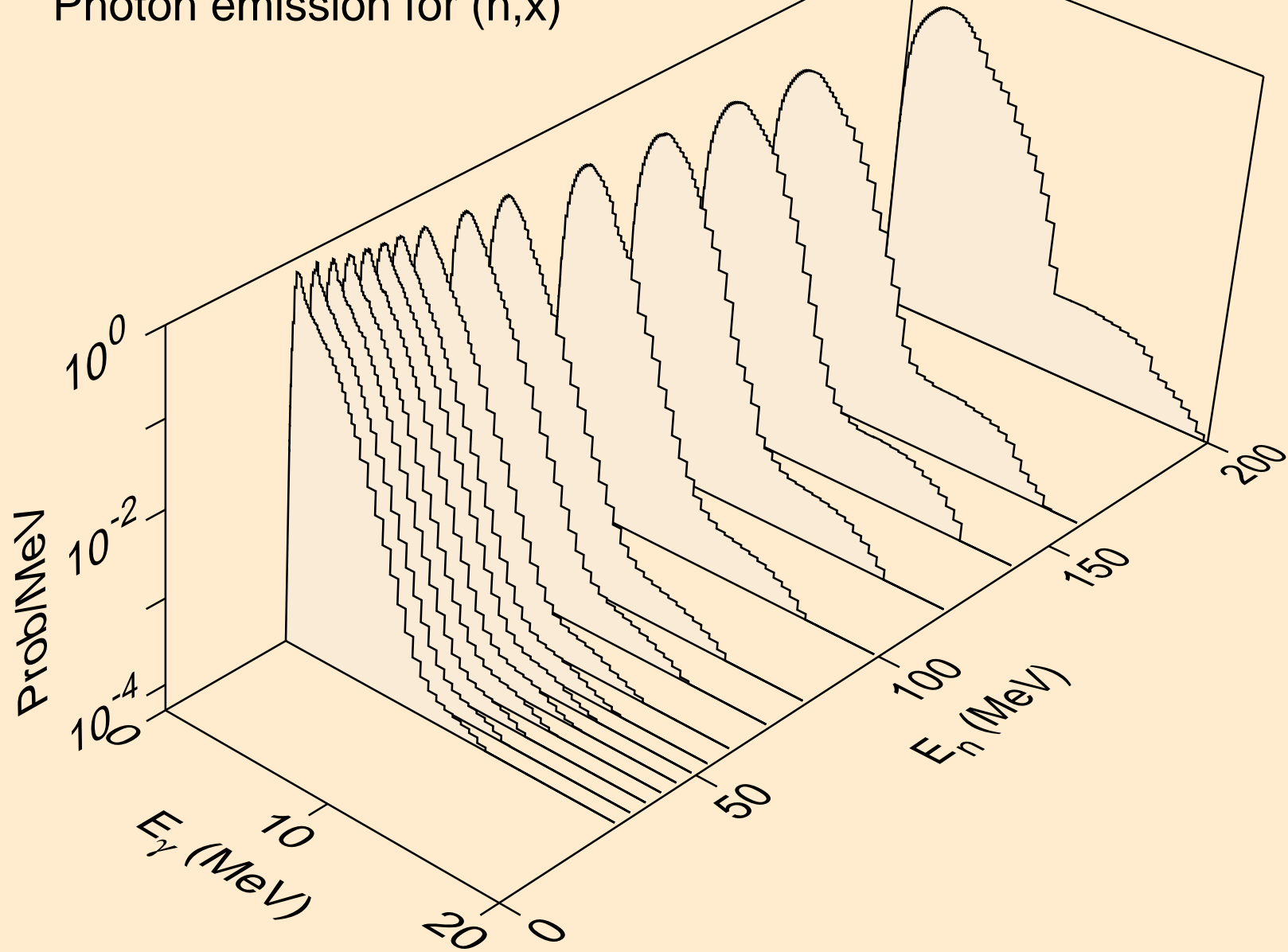
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



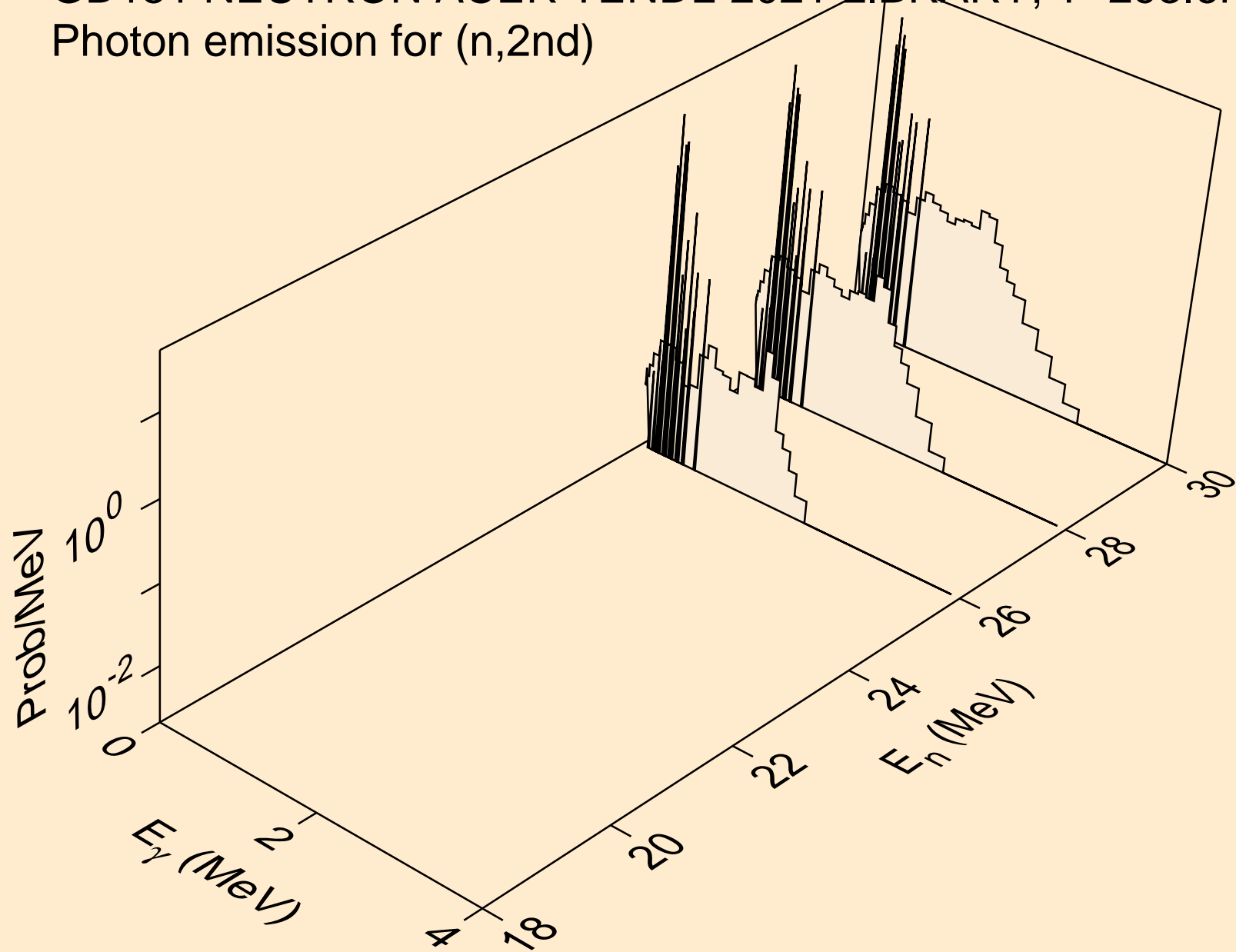
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



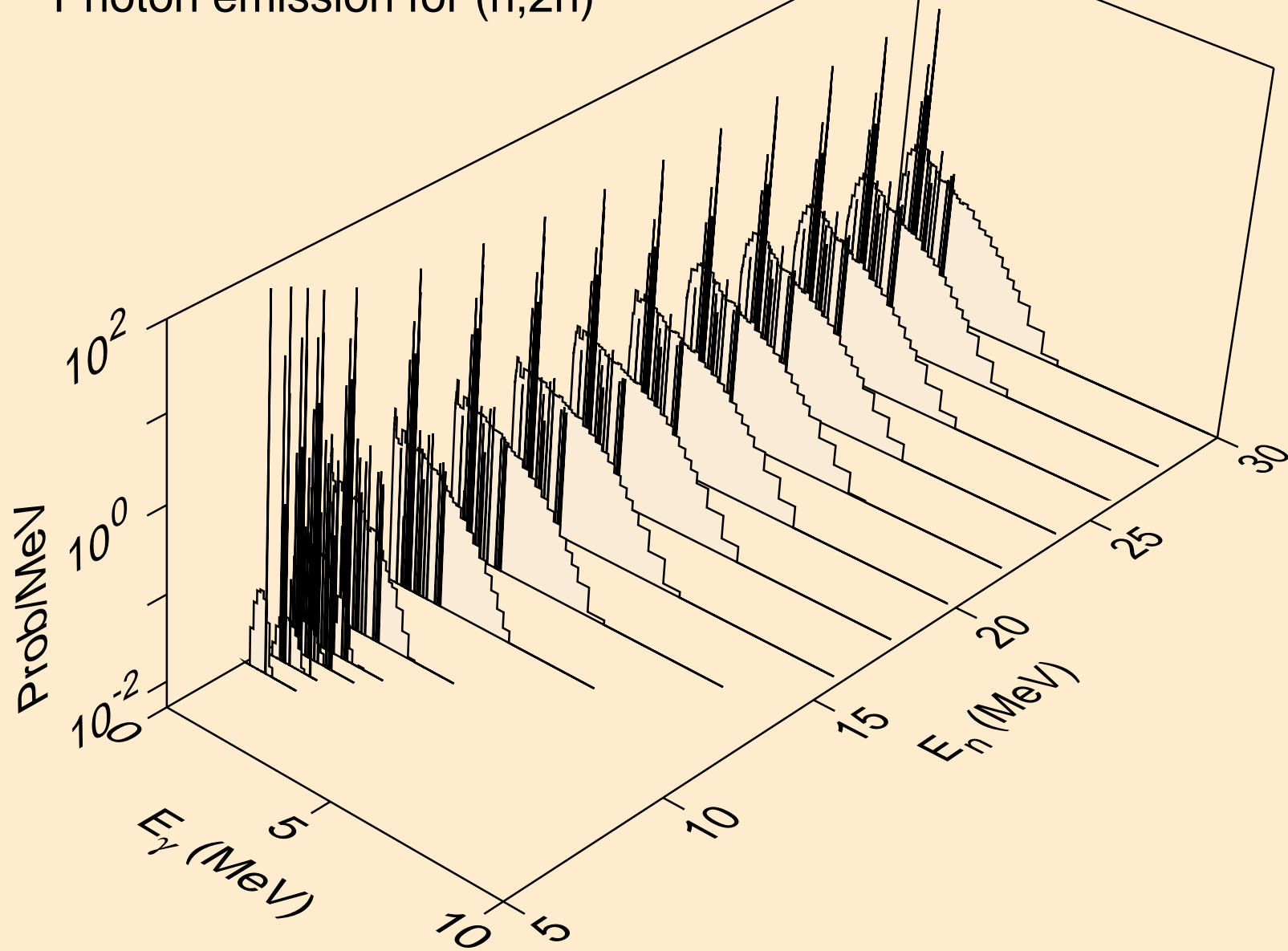
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Photon emission for (n,x)



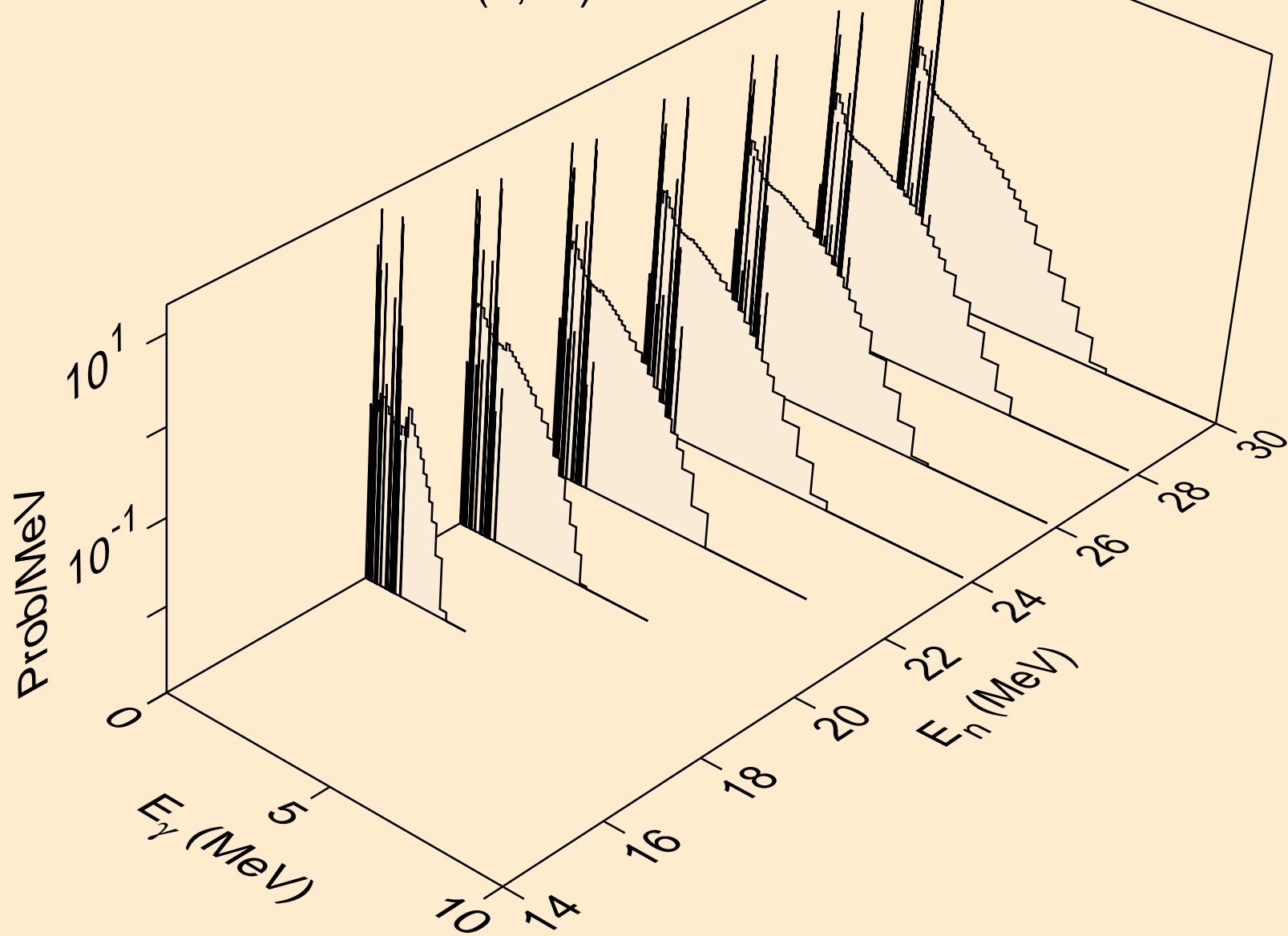
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Photon emission for (n,2nd)



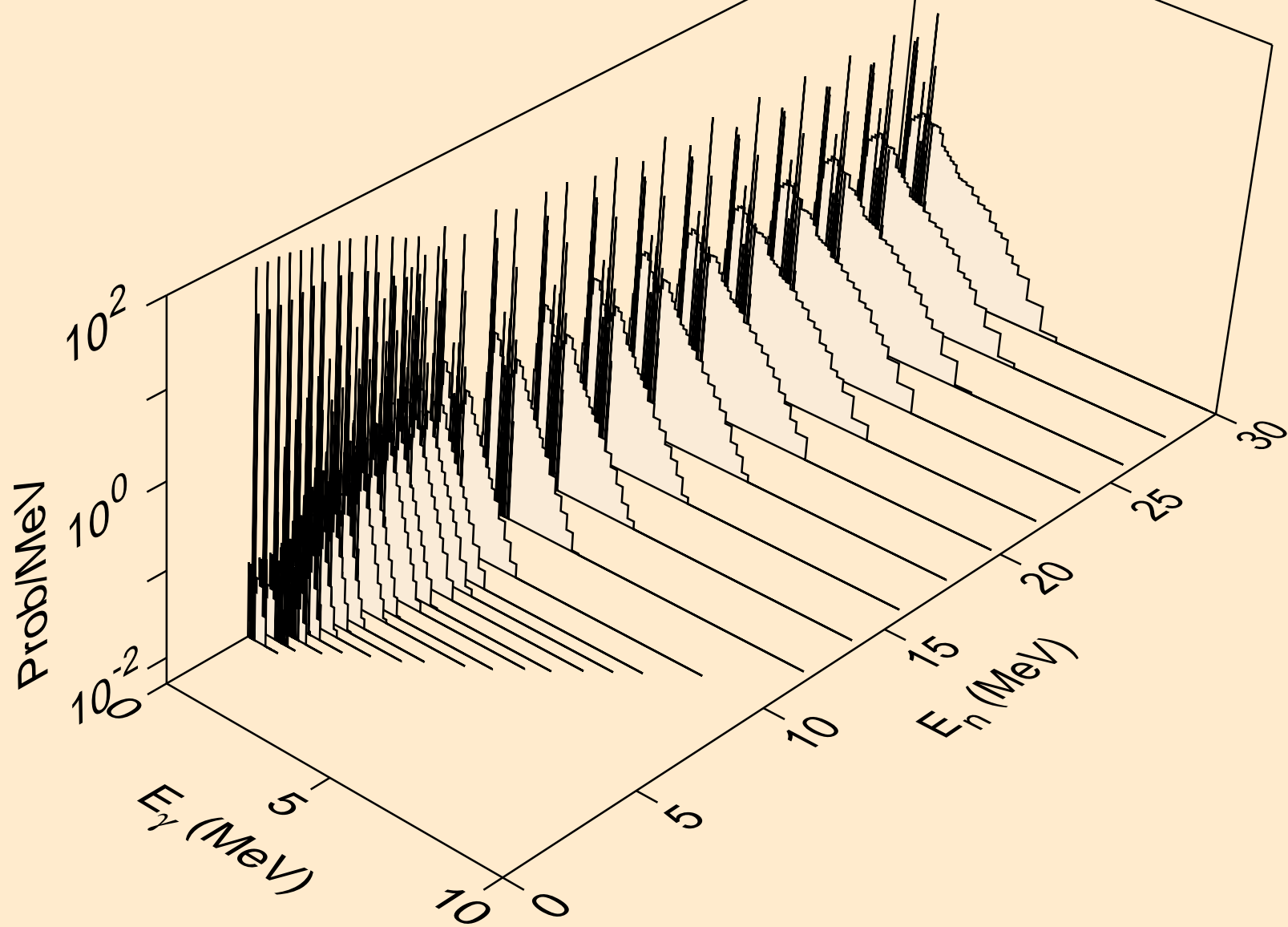
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Photon emission for (n,2n)



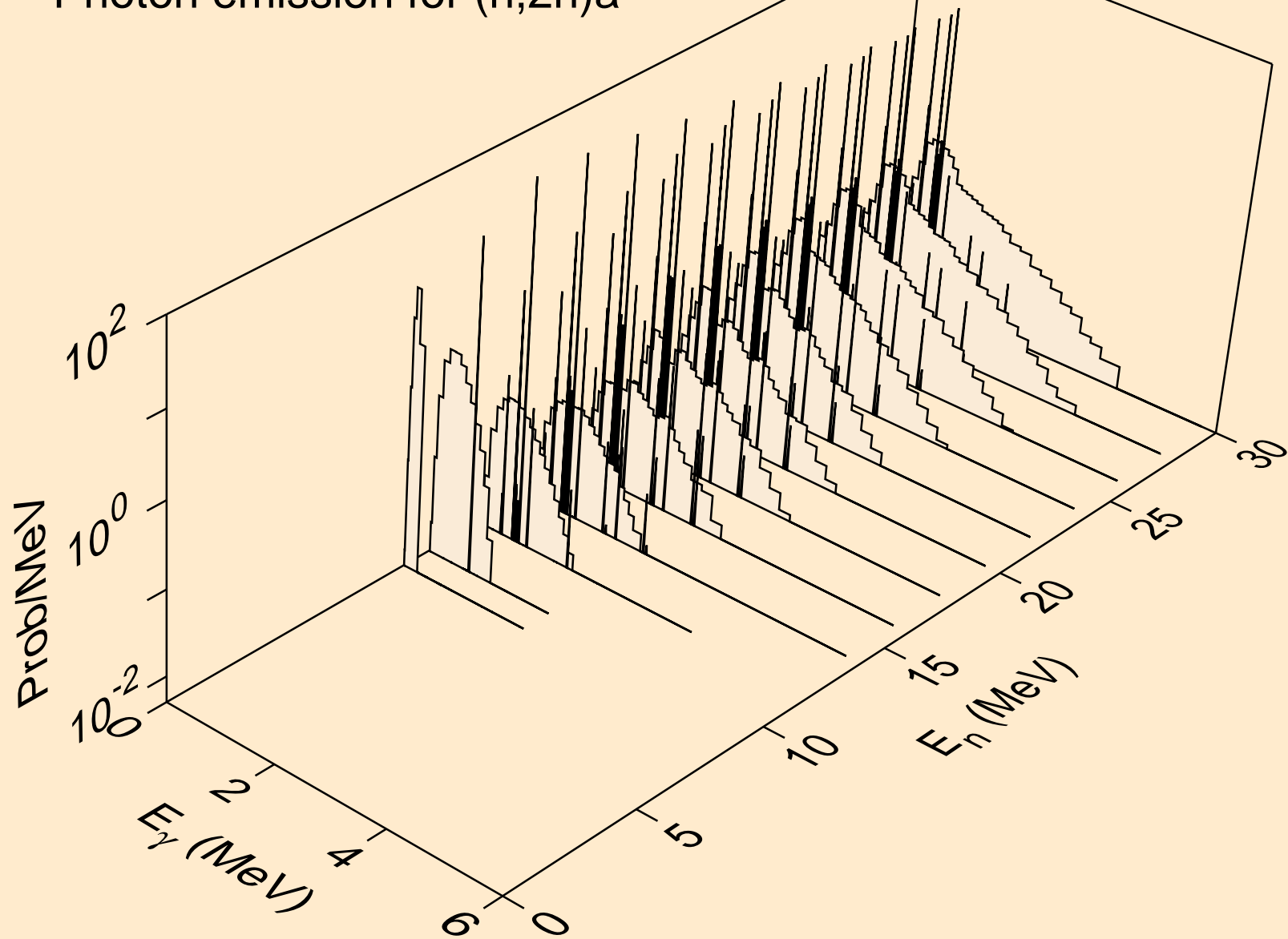
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)



GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a

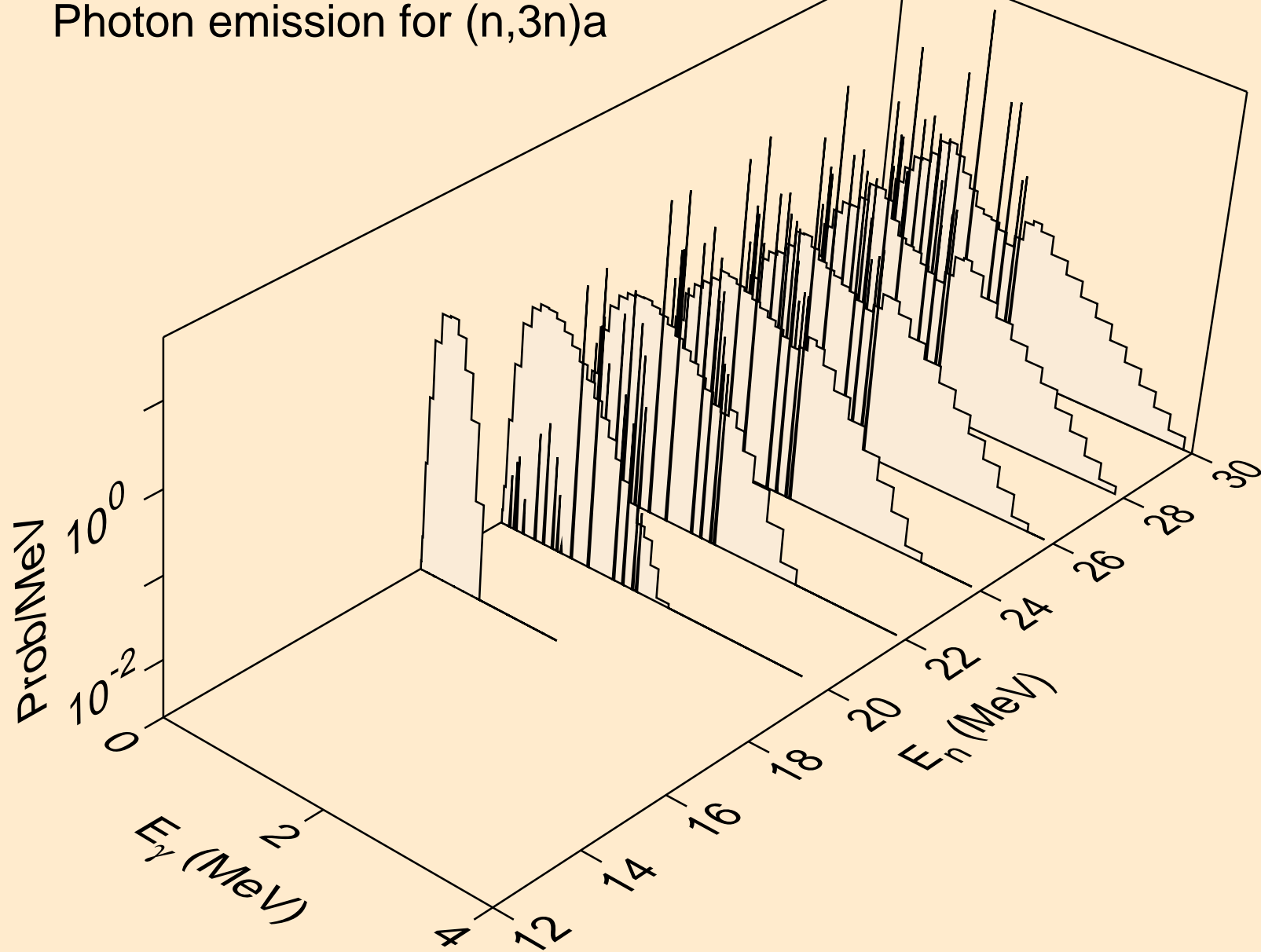


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Photon emission for (n,2n)a

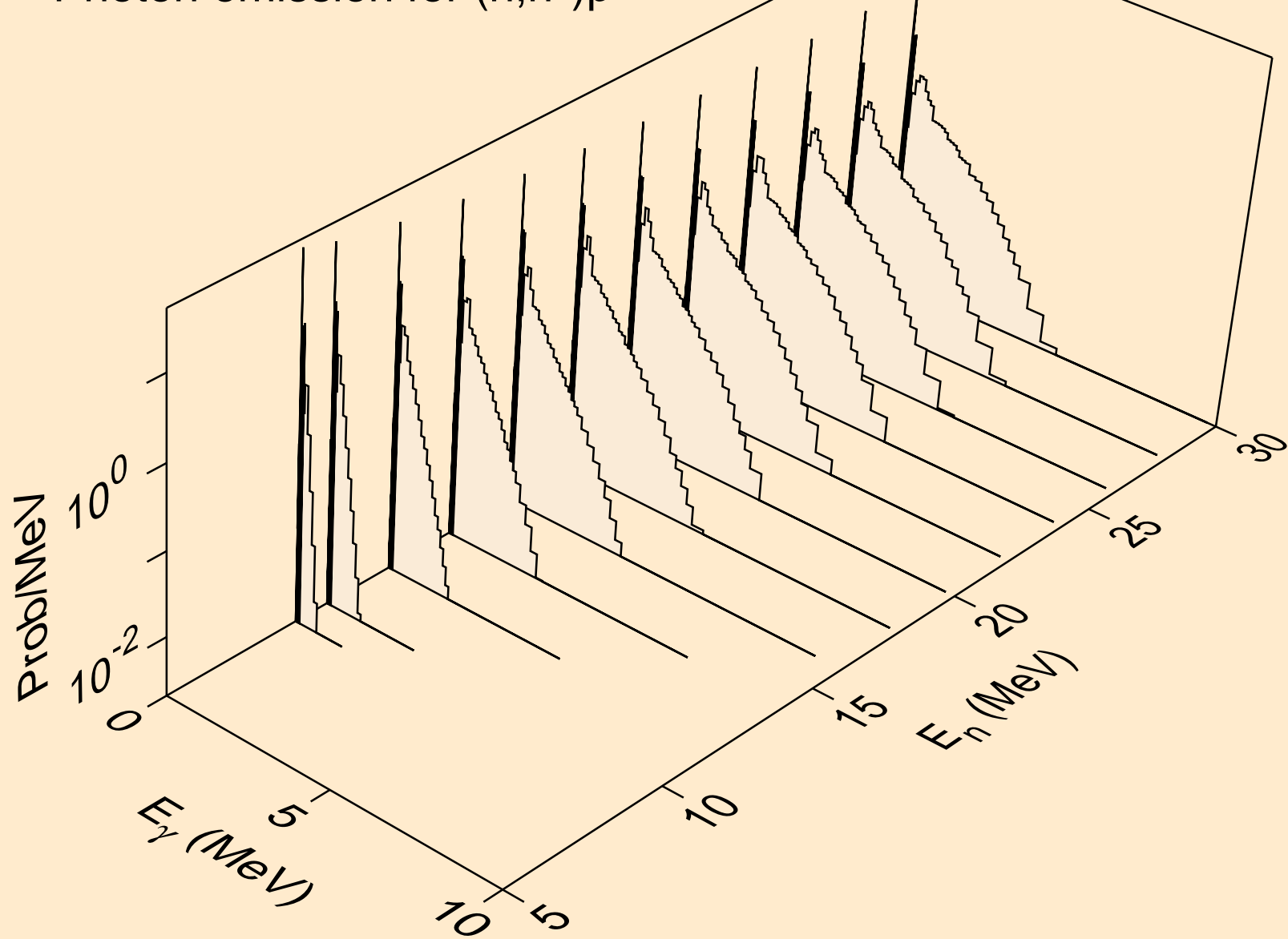




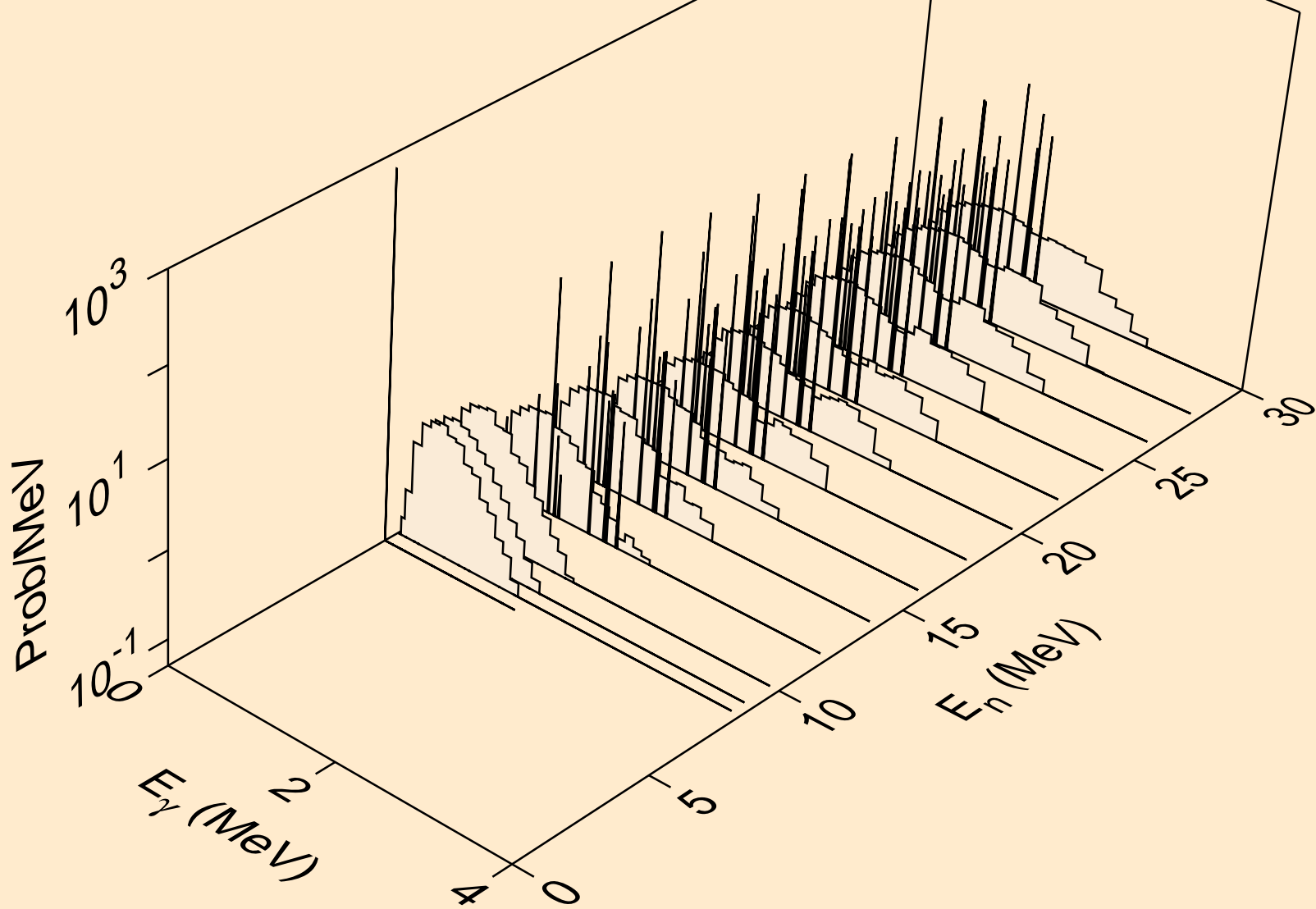
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Photon emission for (n,3n)a



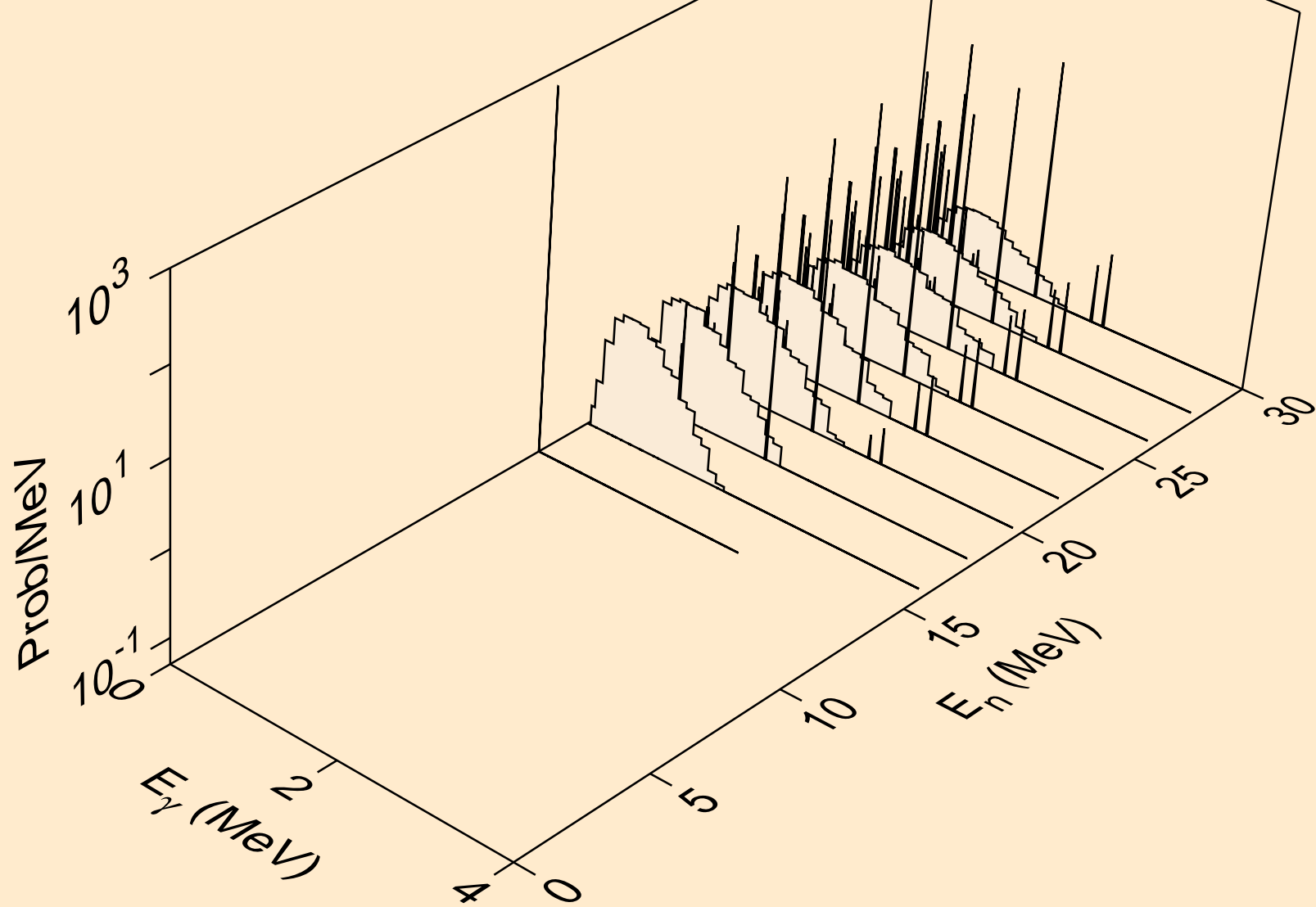
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Photon emission for (n,n\*)p



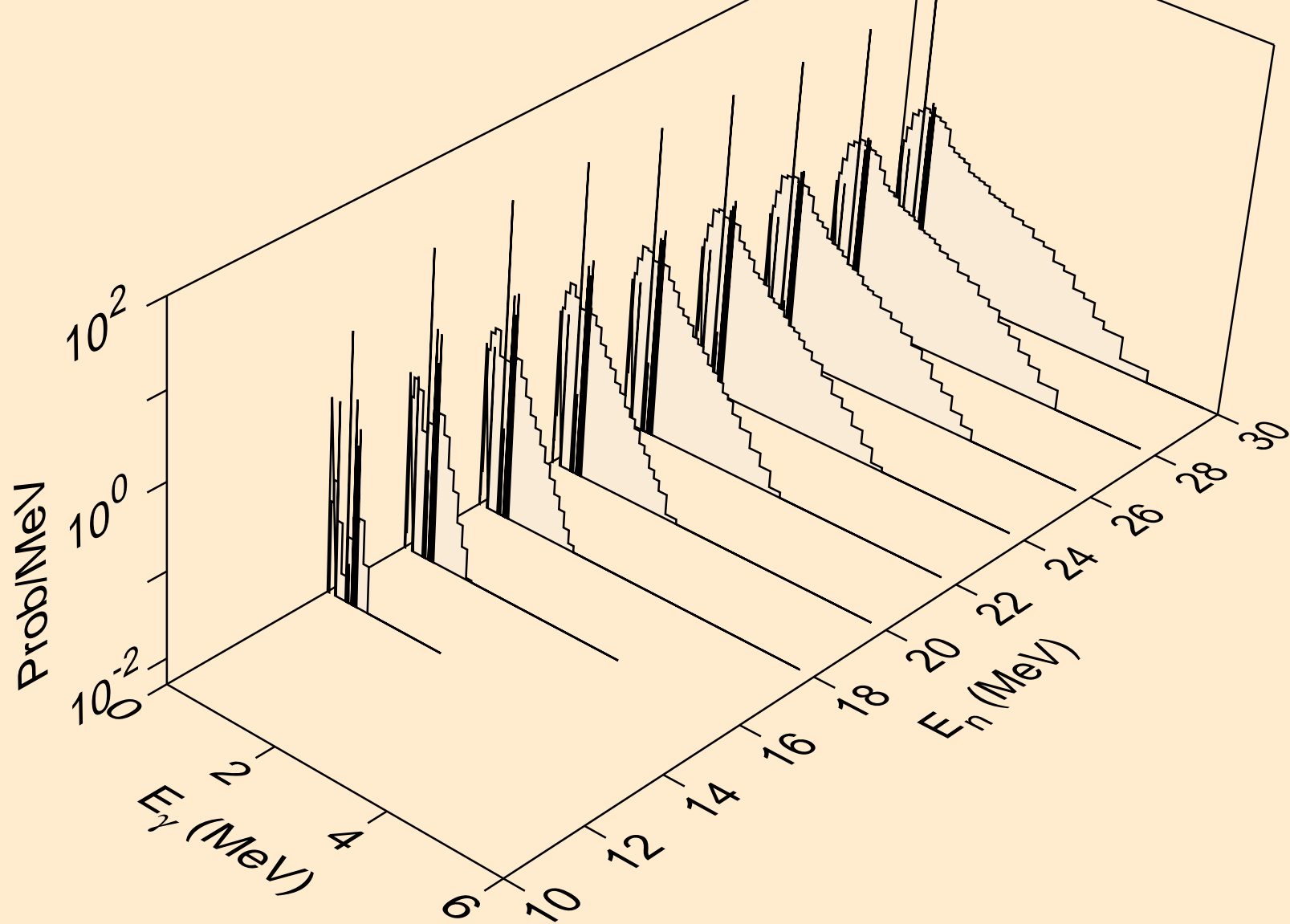
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Photon emission for (n,n\*)2a



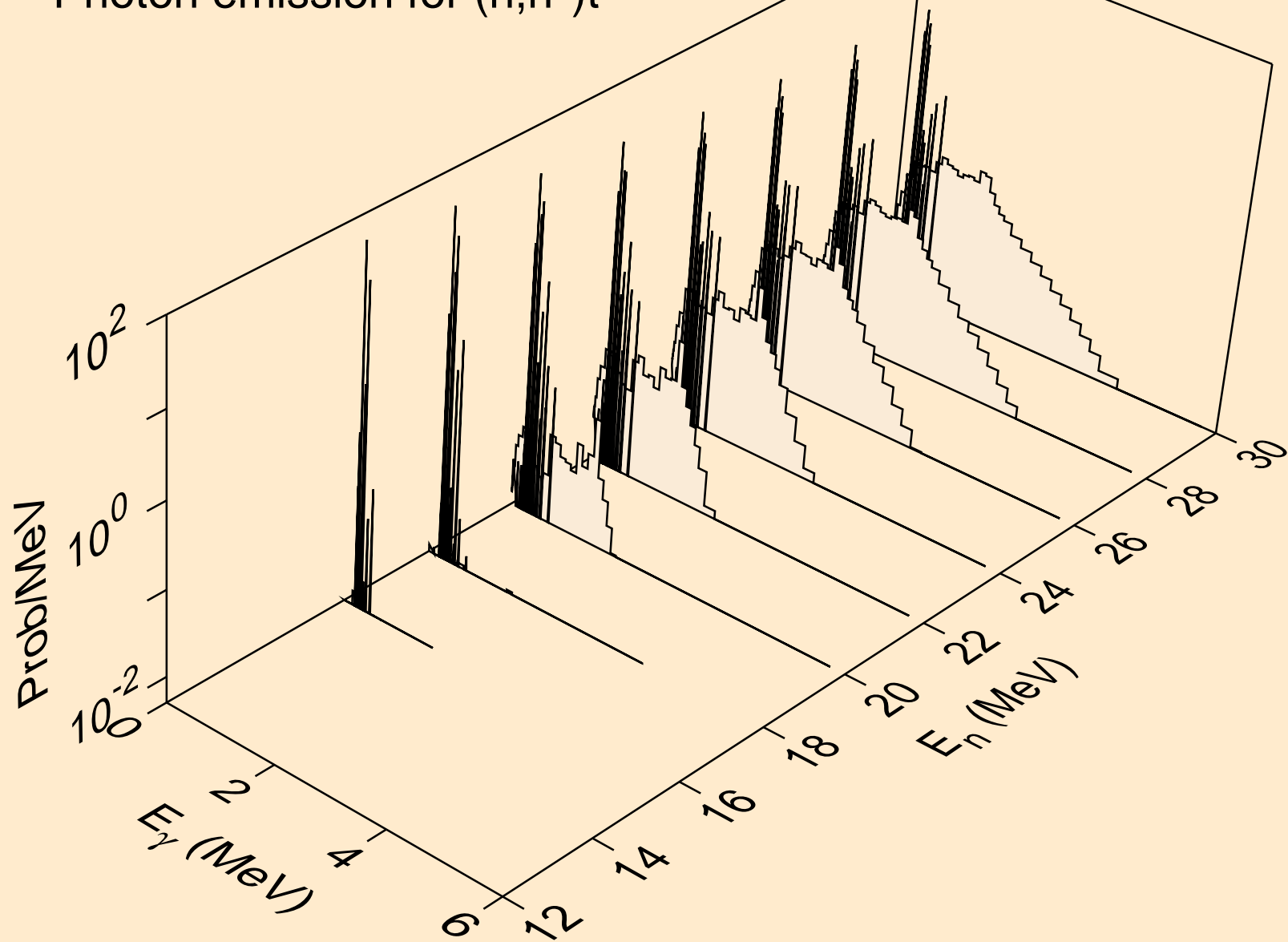
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Photon emission for (n,2n)2a



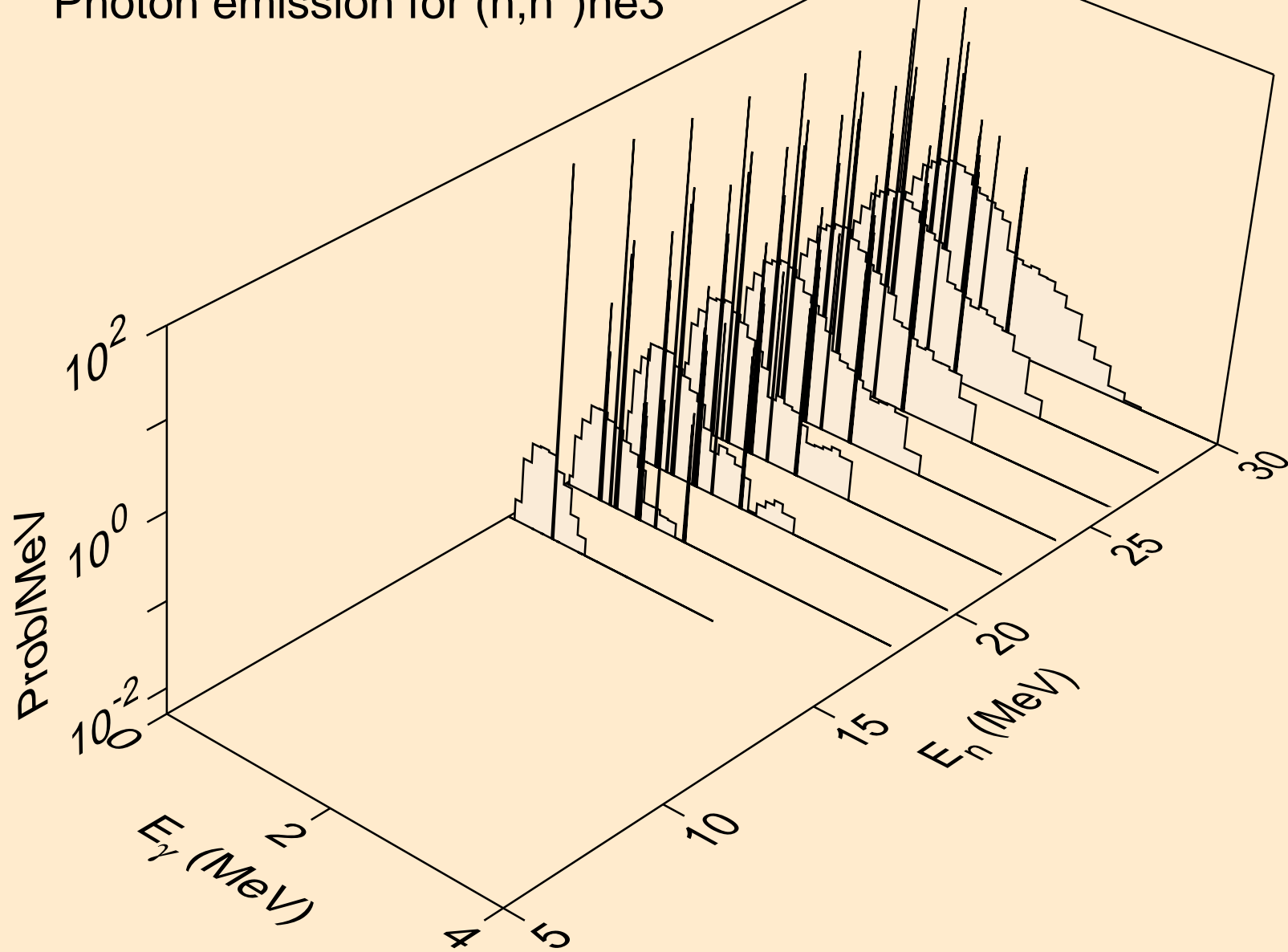
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Photon emission for (n,n\*)d



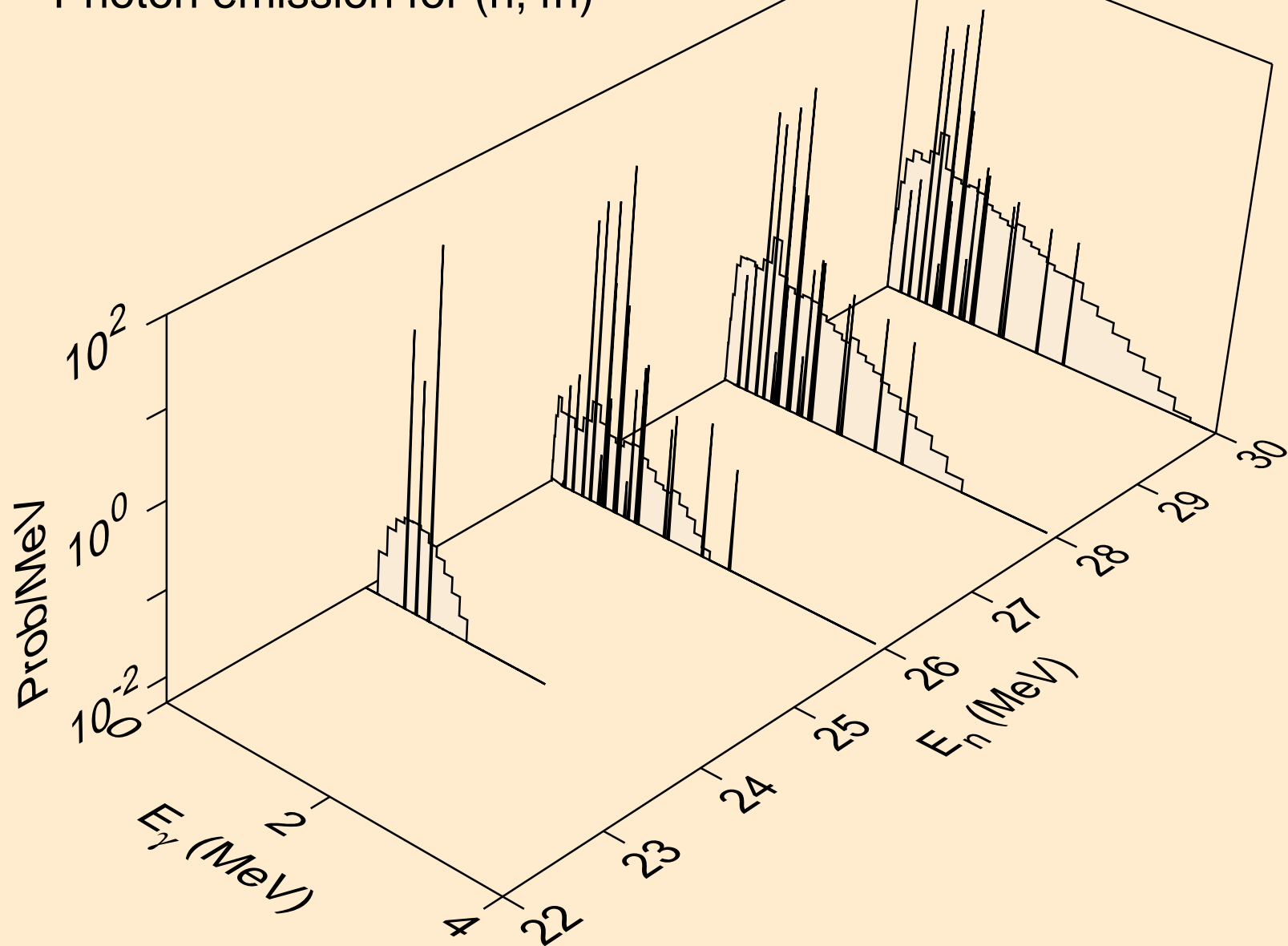
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3

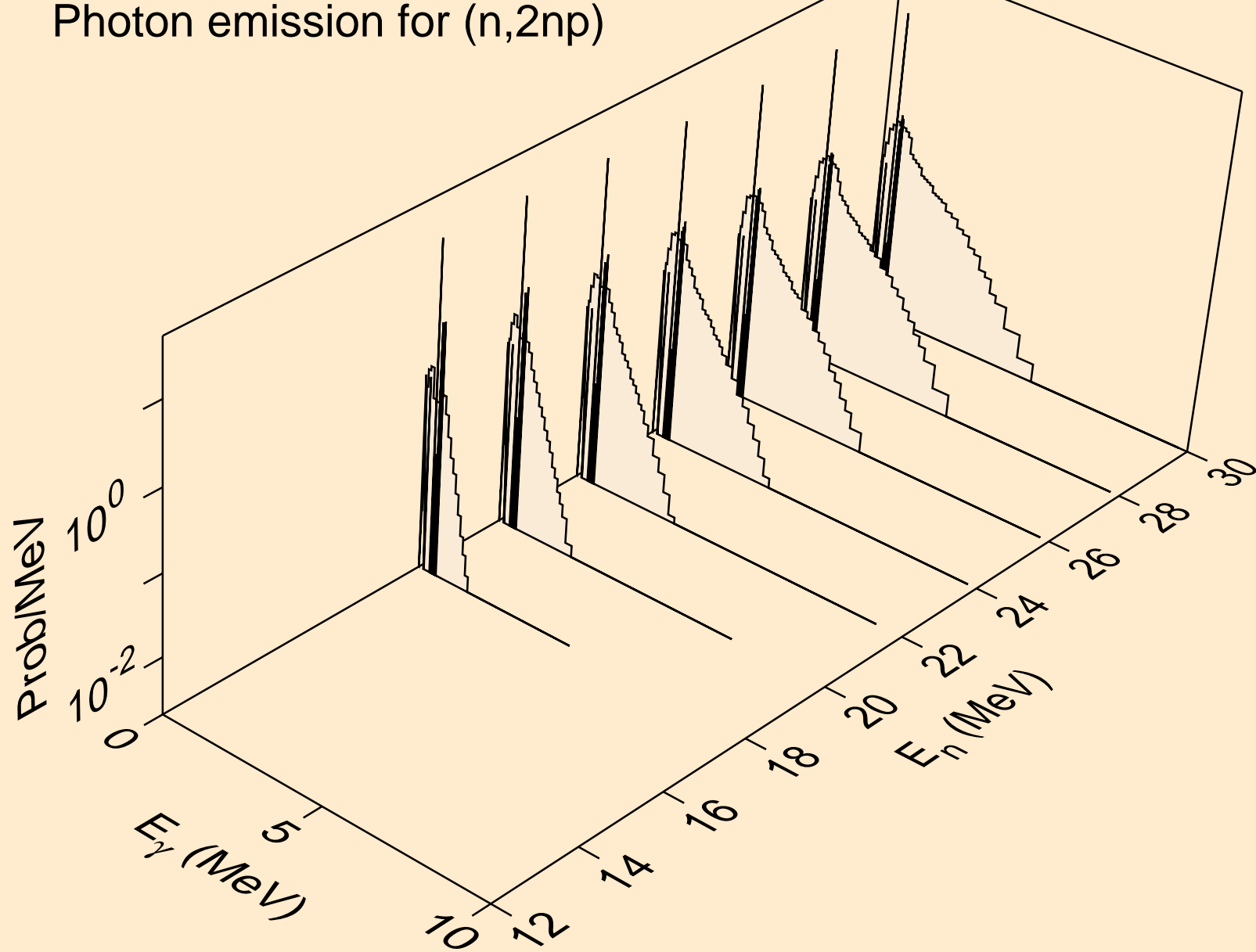


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Photon emission for (n,4n)

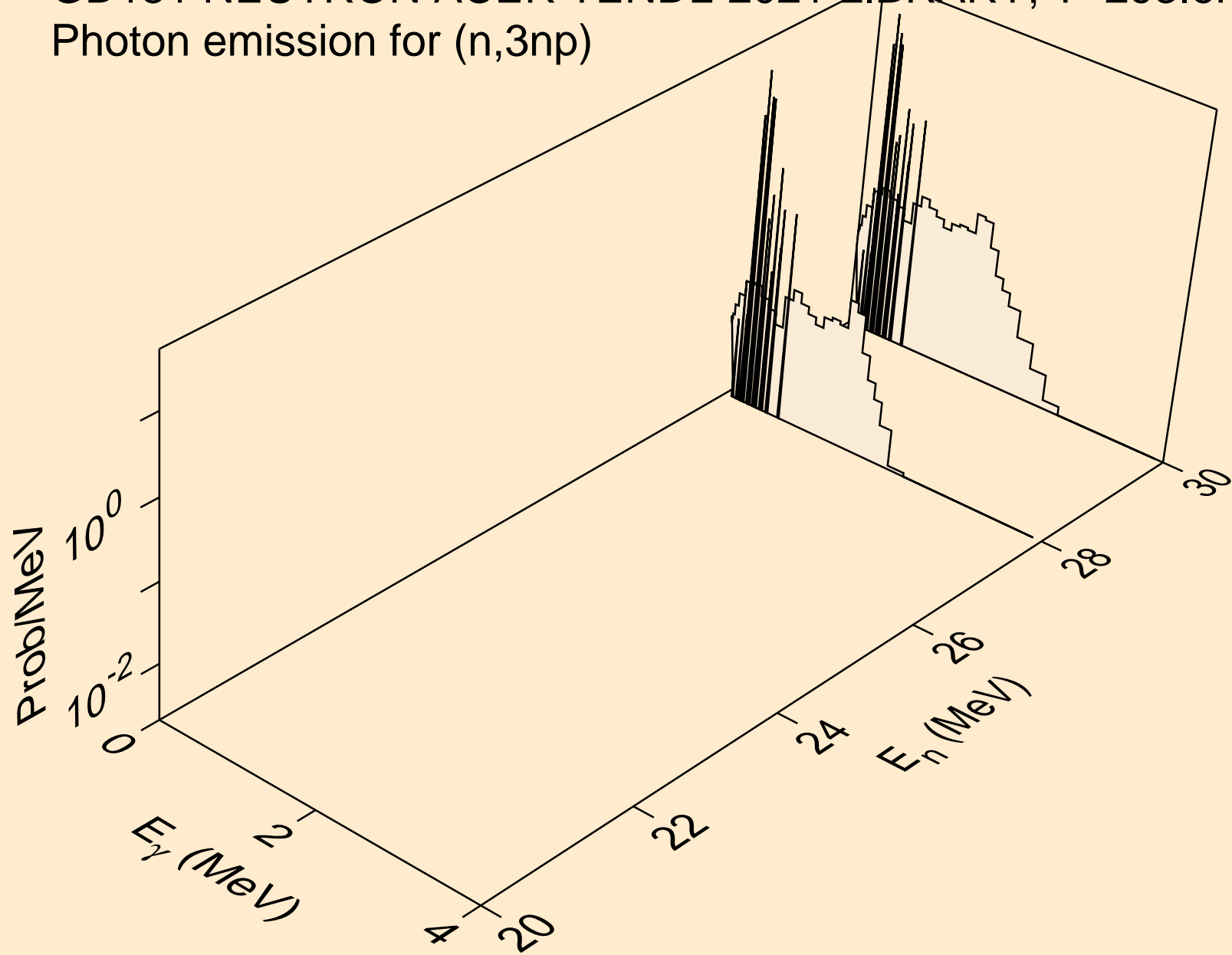




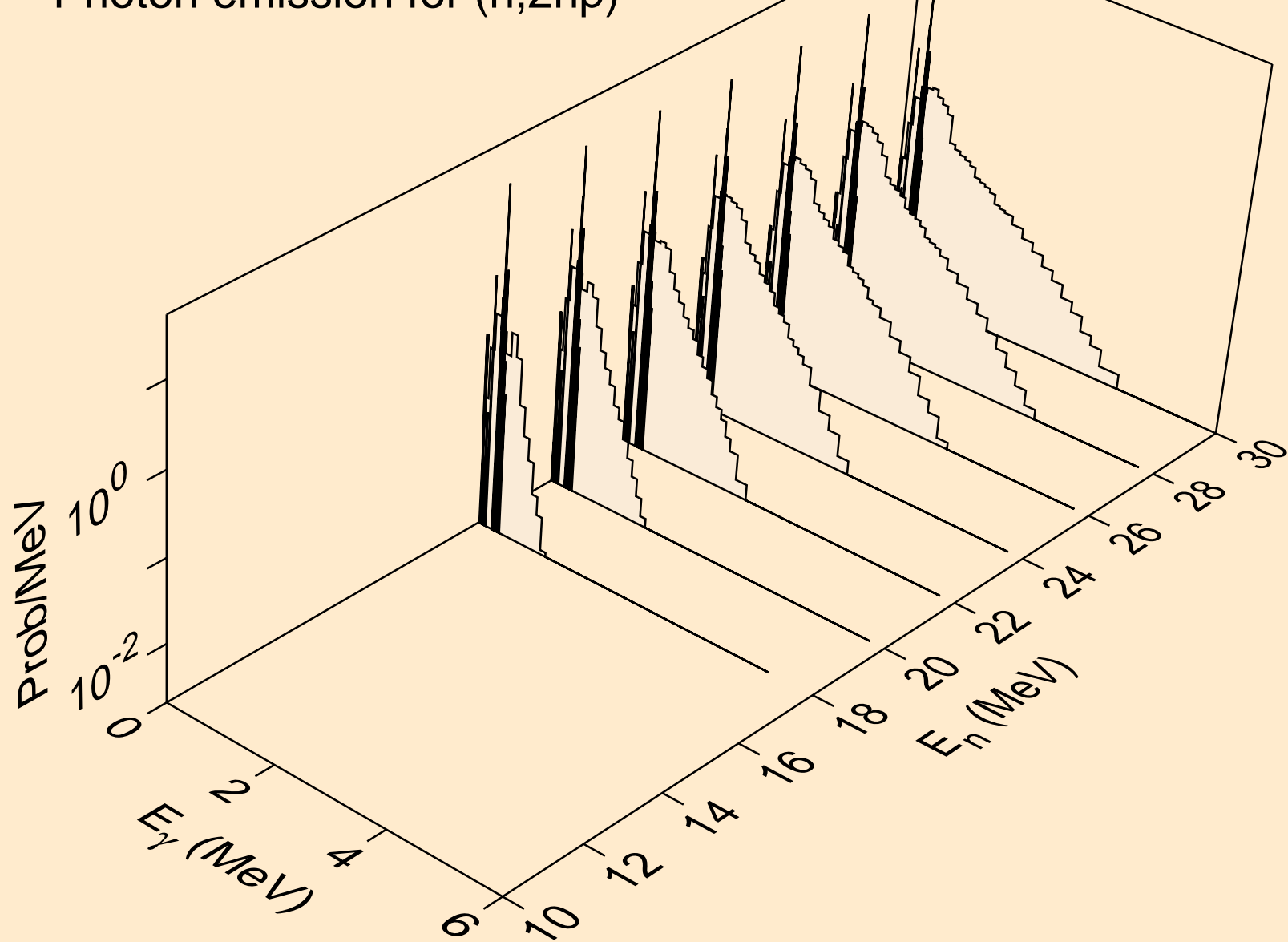
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Photon emission for (n,2np)



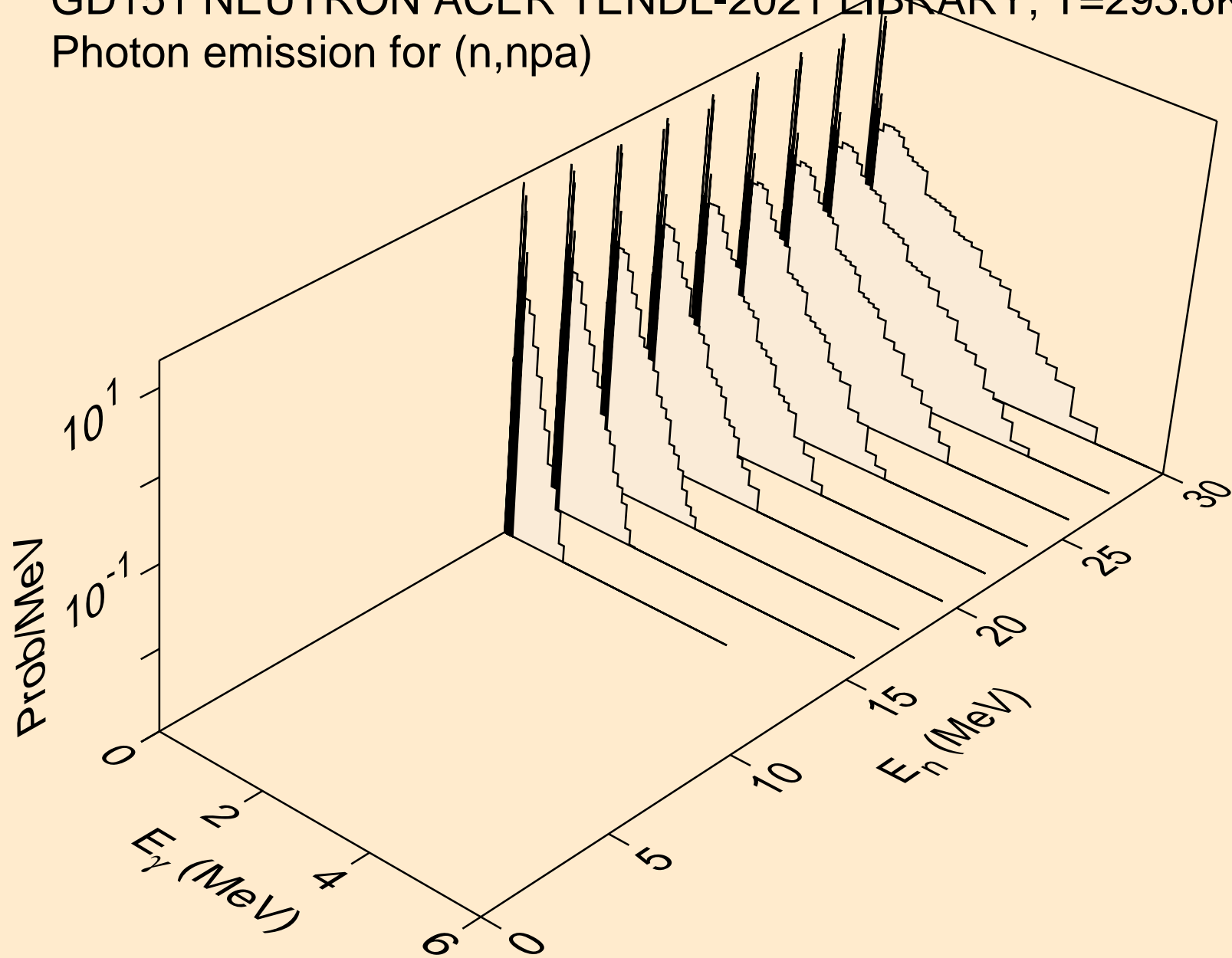
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Photon emission for (n,3np)



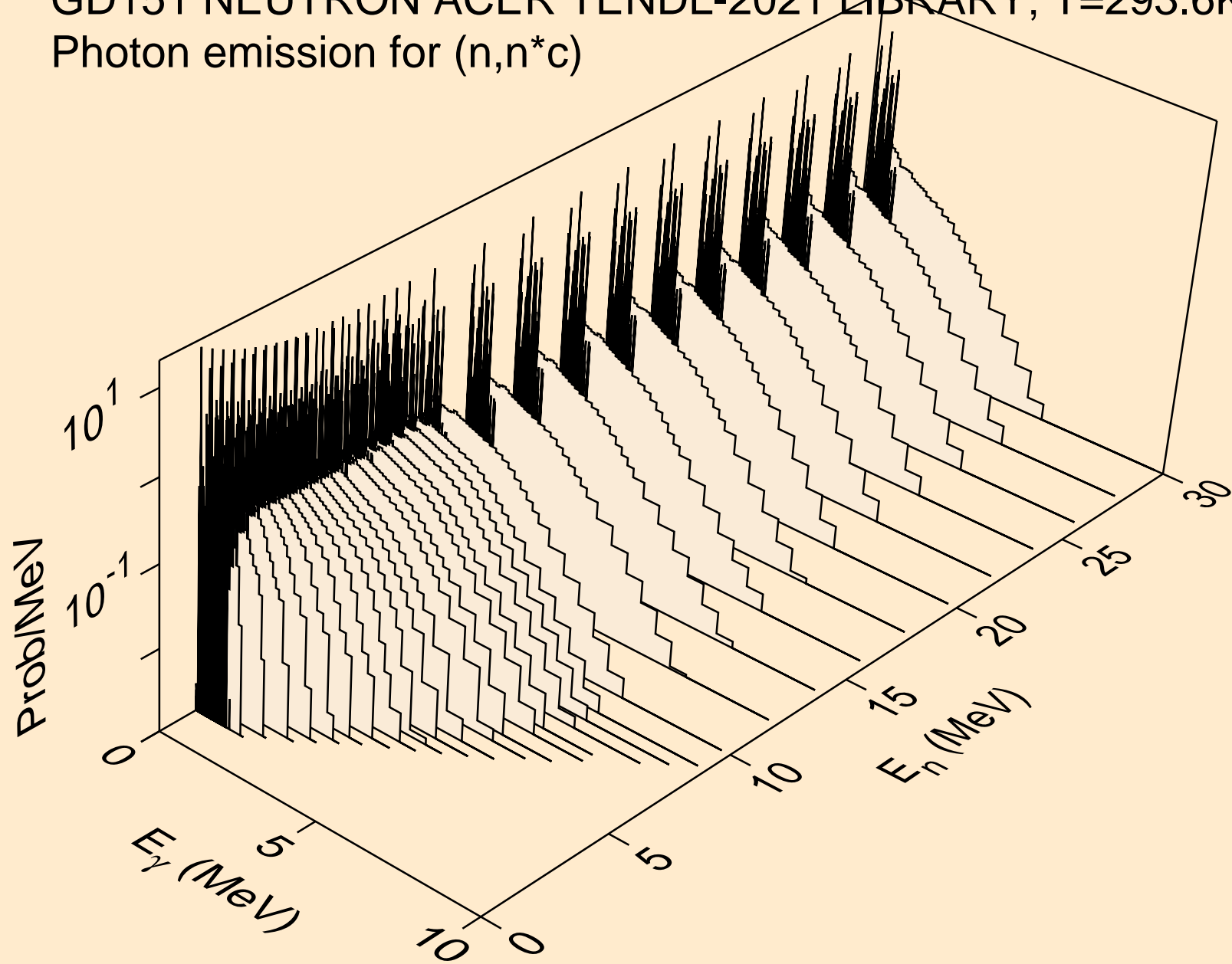
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Photon emission for (n,2np)



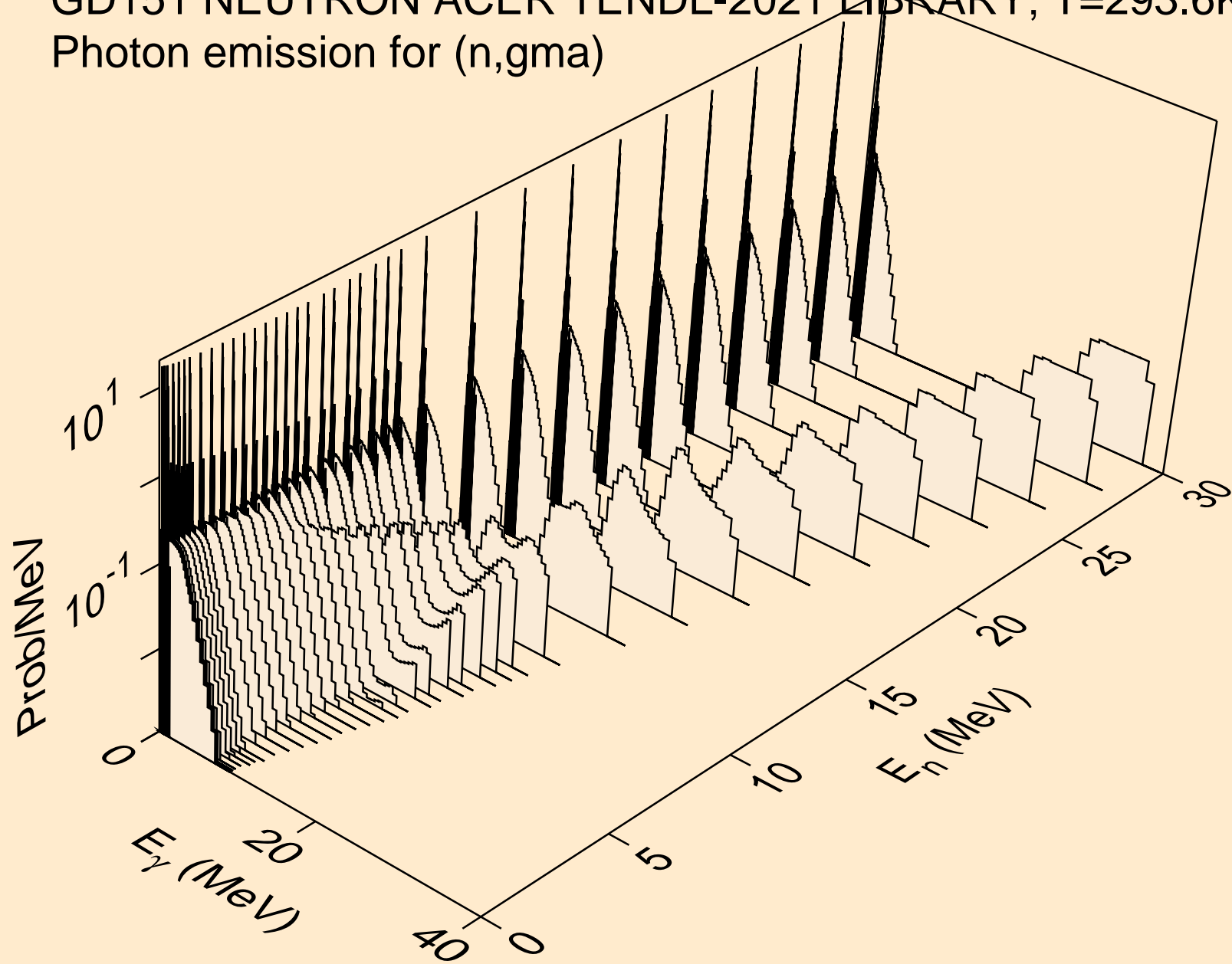
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Photon emission for (n,npa)



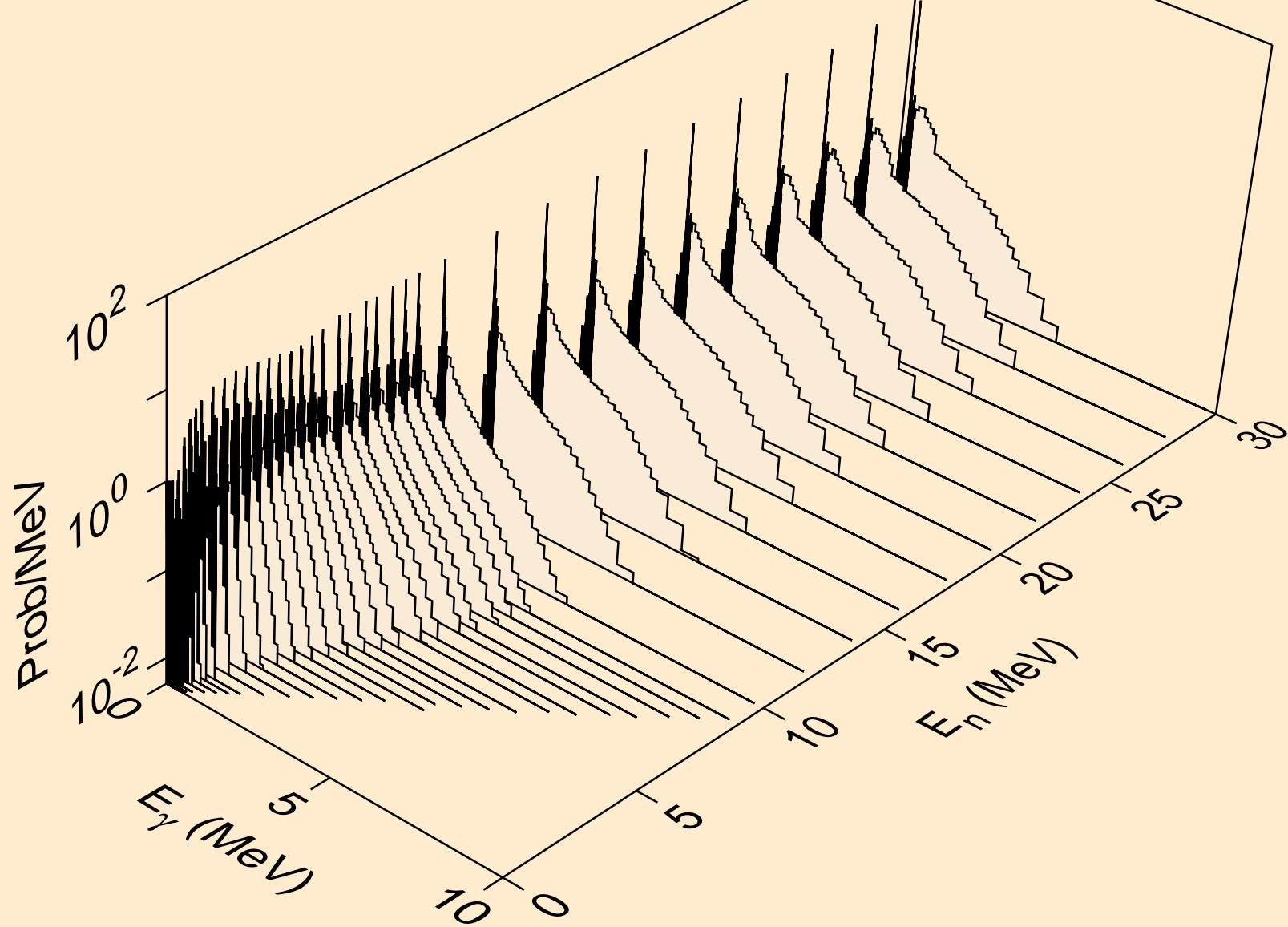
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Photon emission for (n,n\*c)



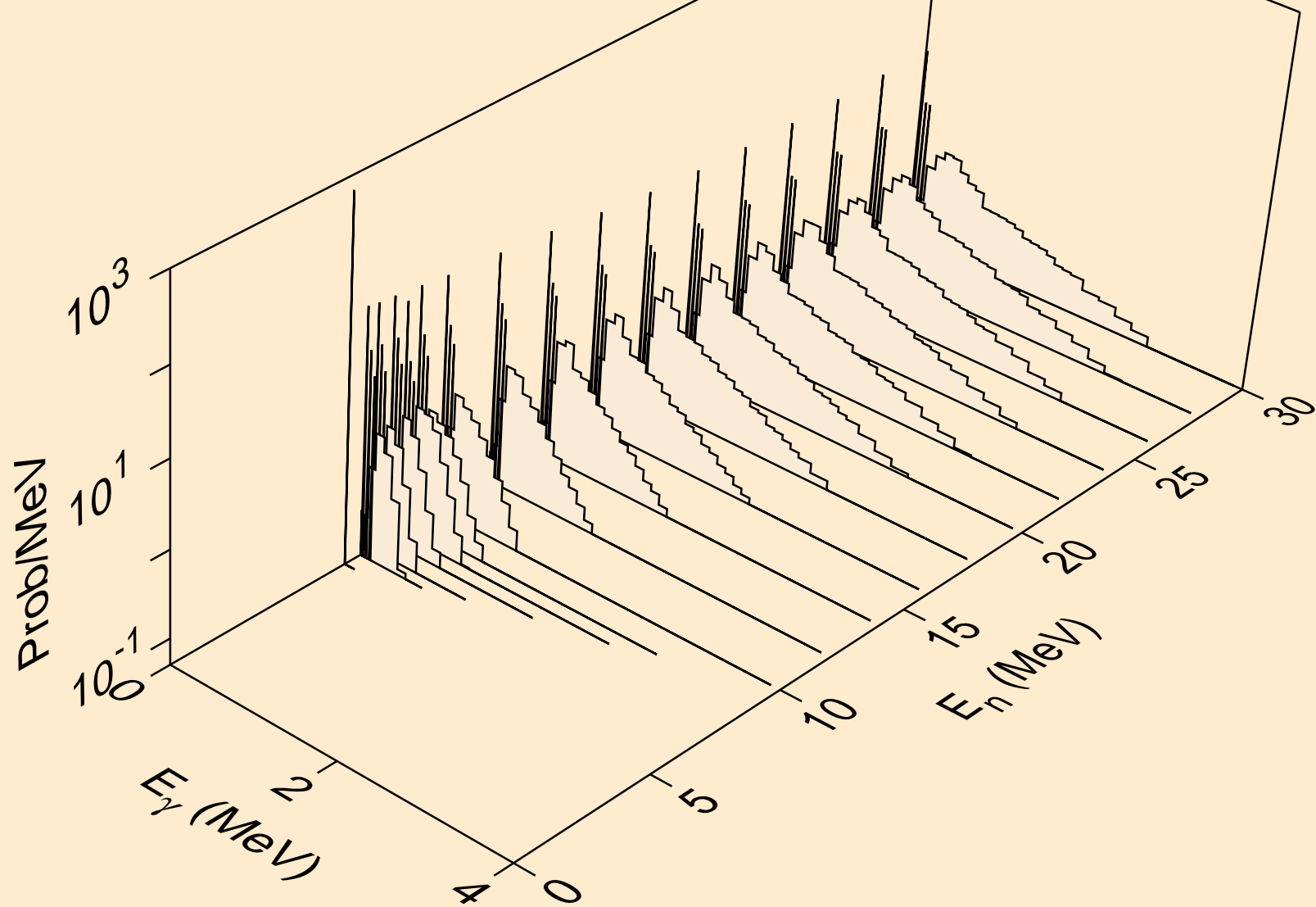
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,gma)



GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)

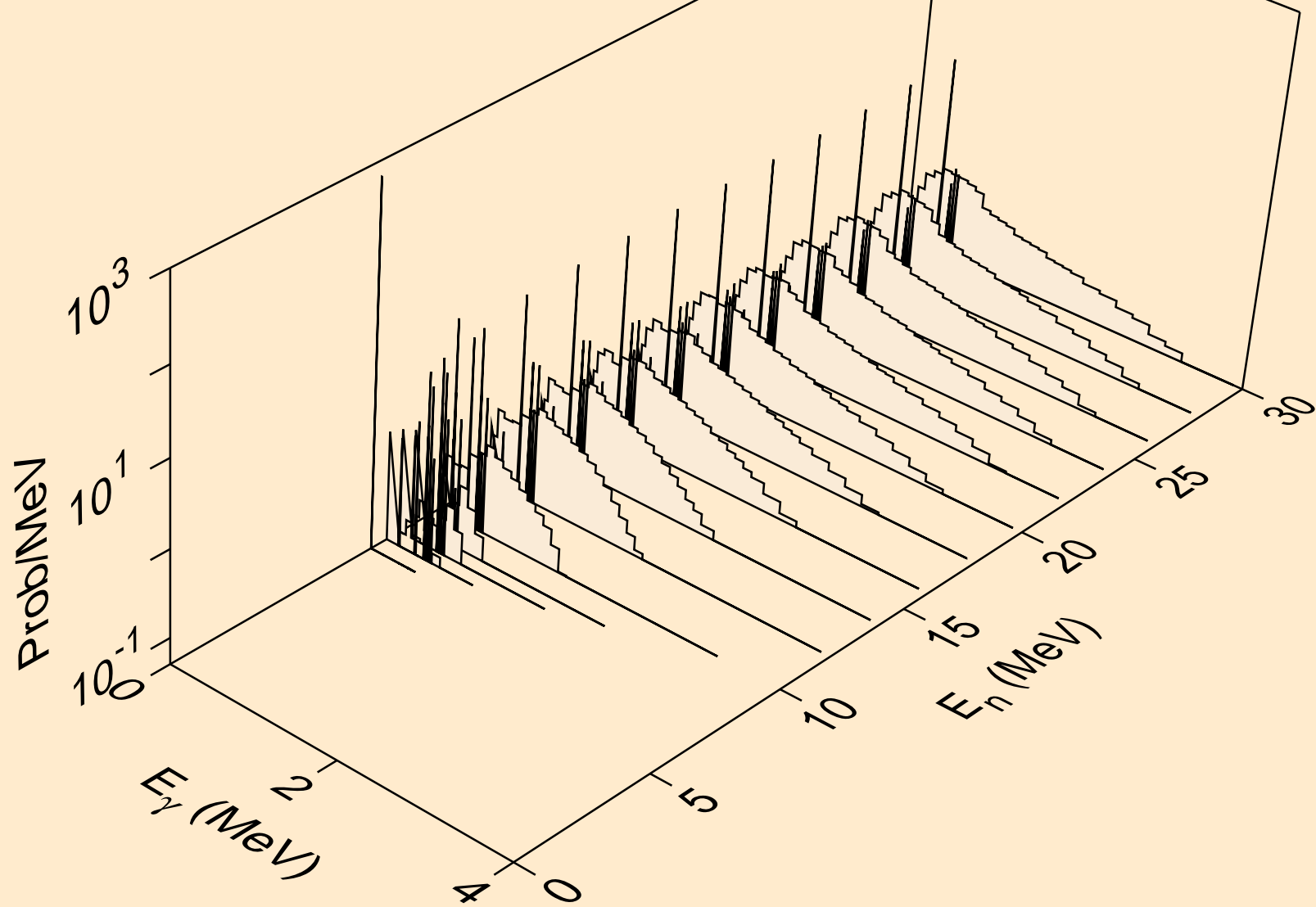


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Photon emission for (n,d)

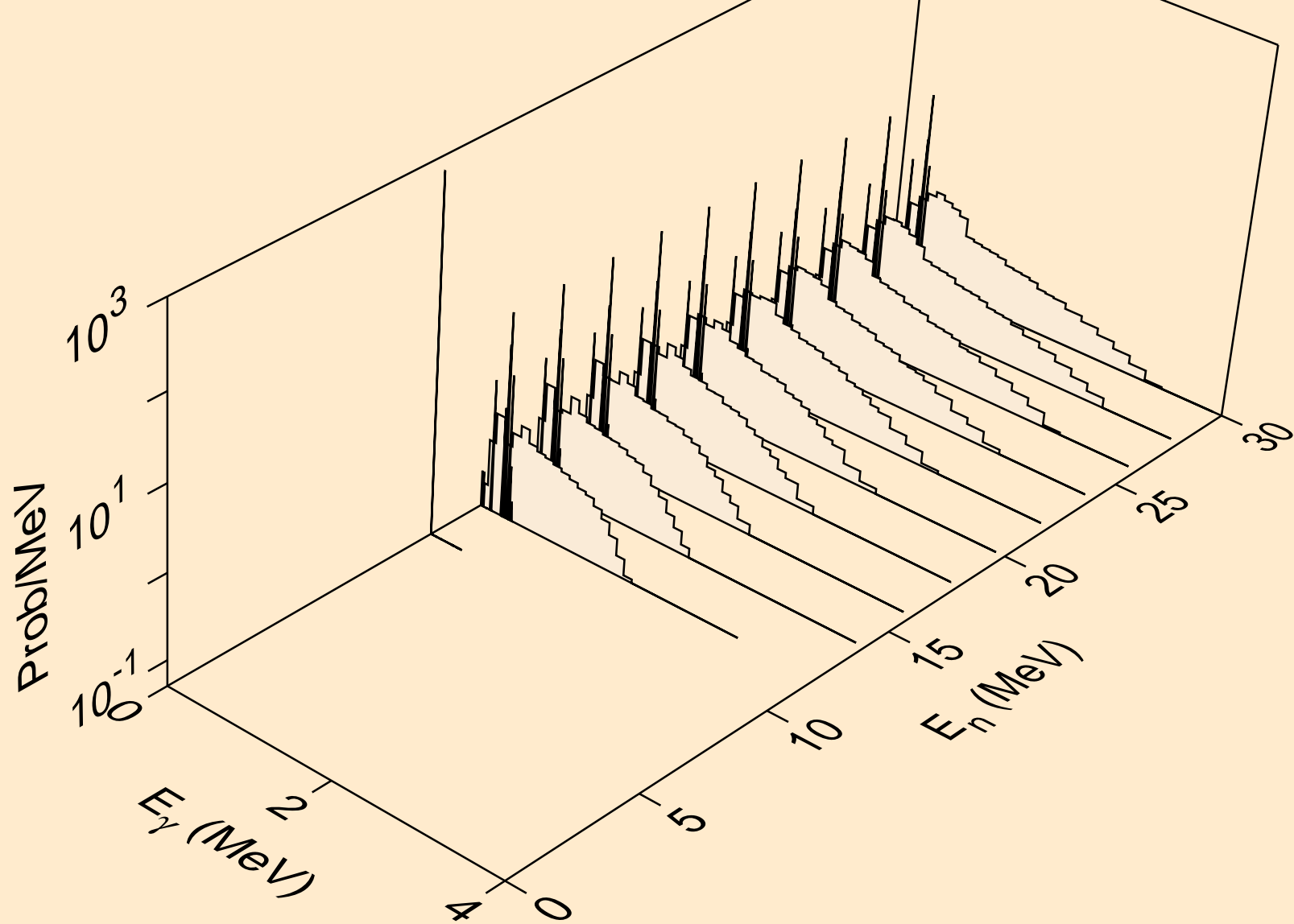




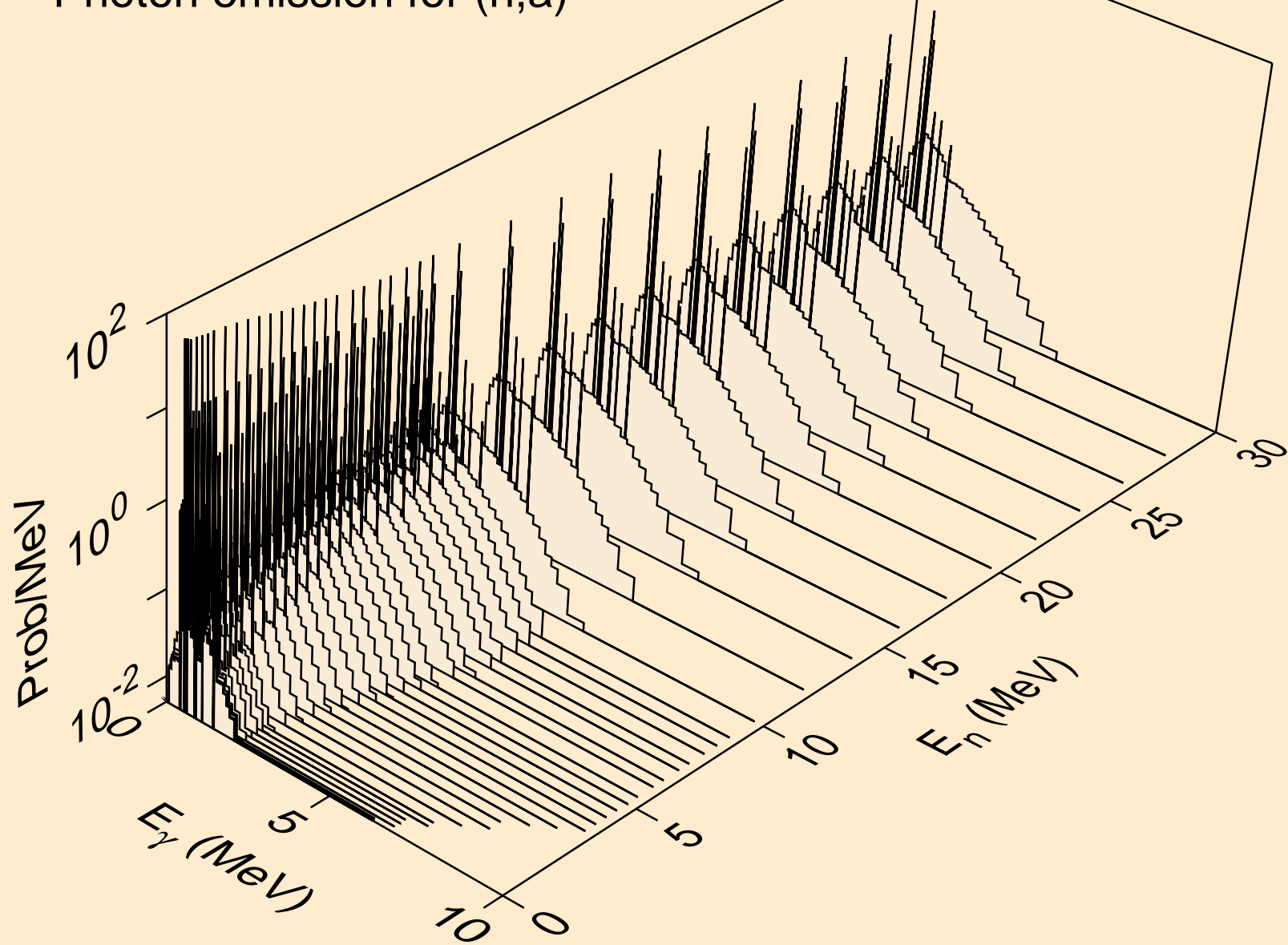
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Photon emission for (n,t)



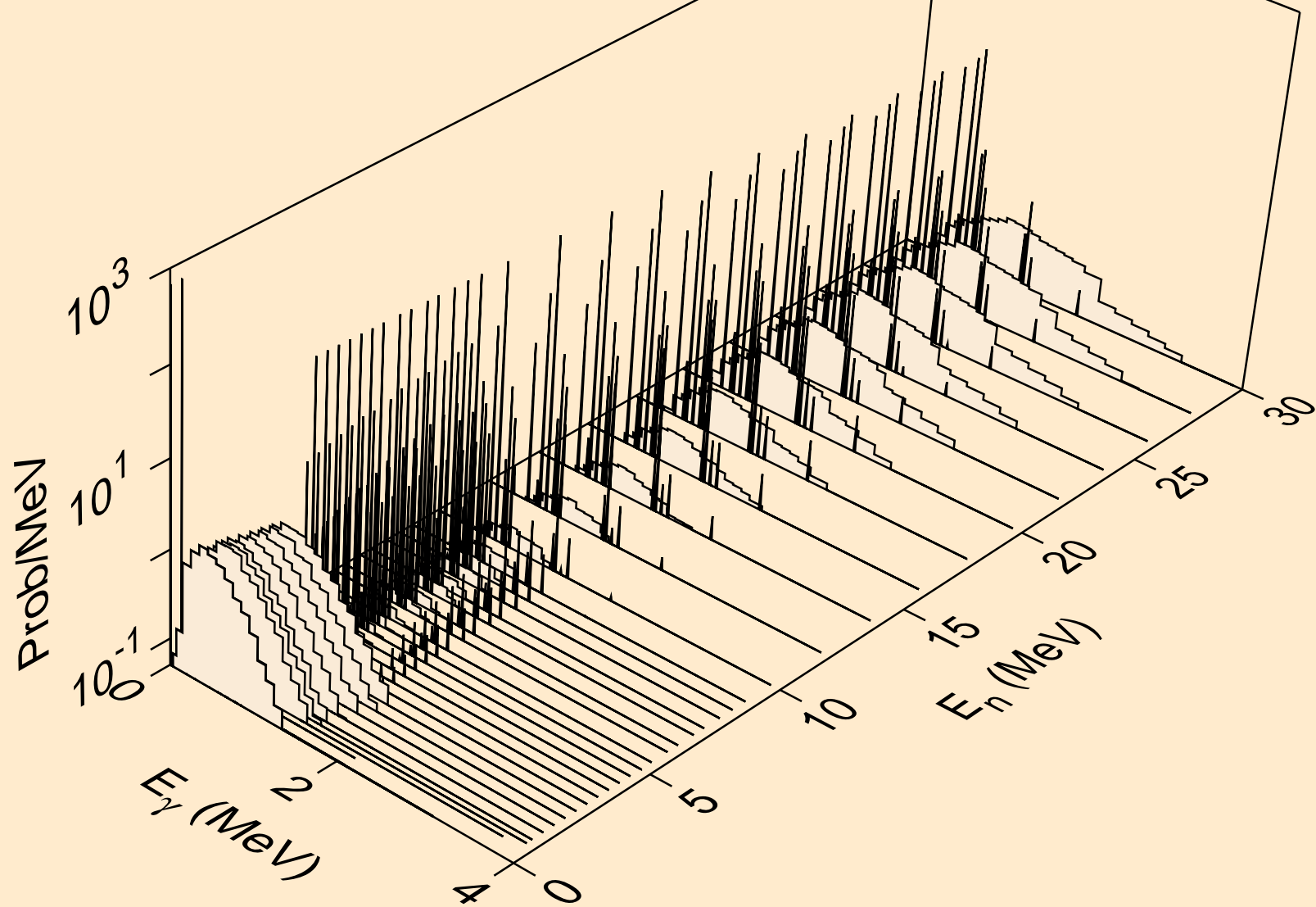
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Photon emission for (n,he3)



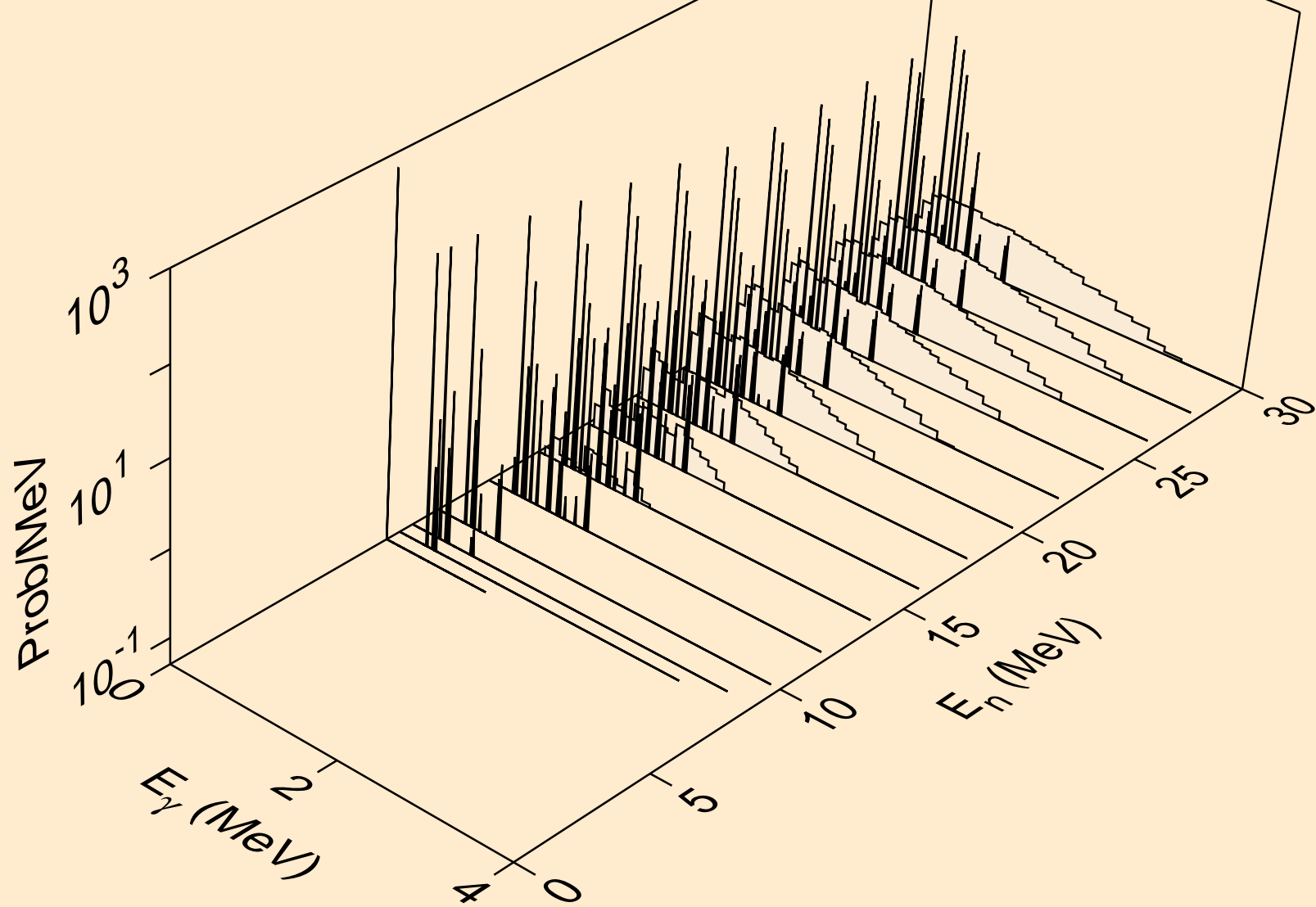
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Photon emission for (n,a)



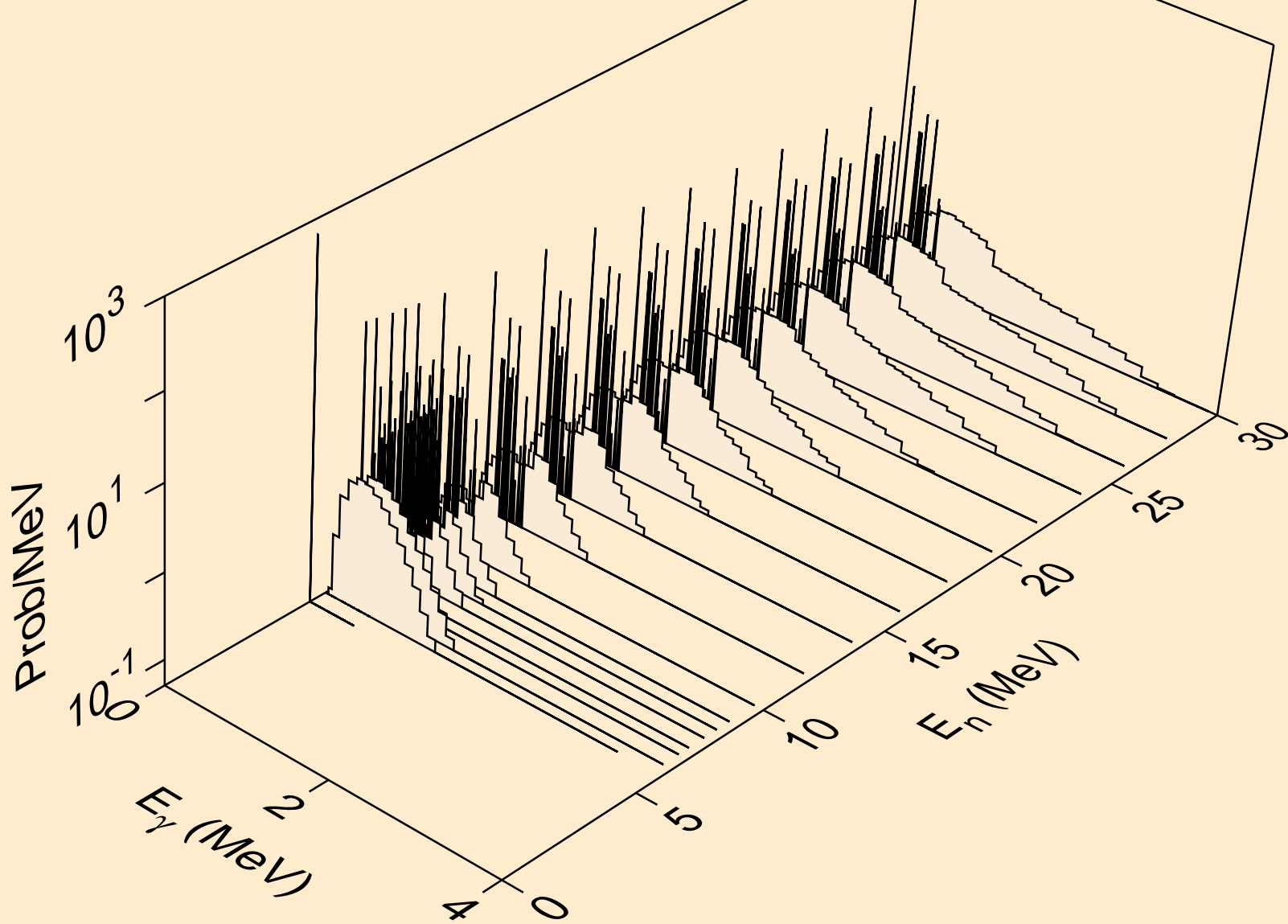
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Photon emission for (n,2a)



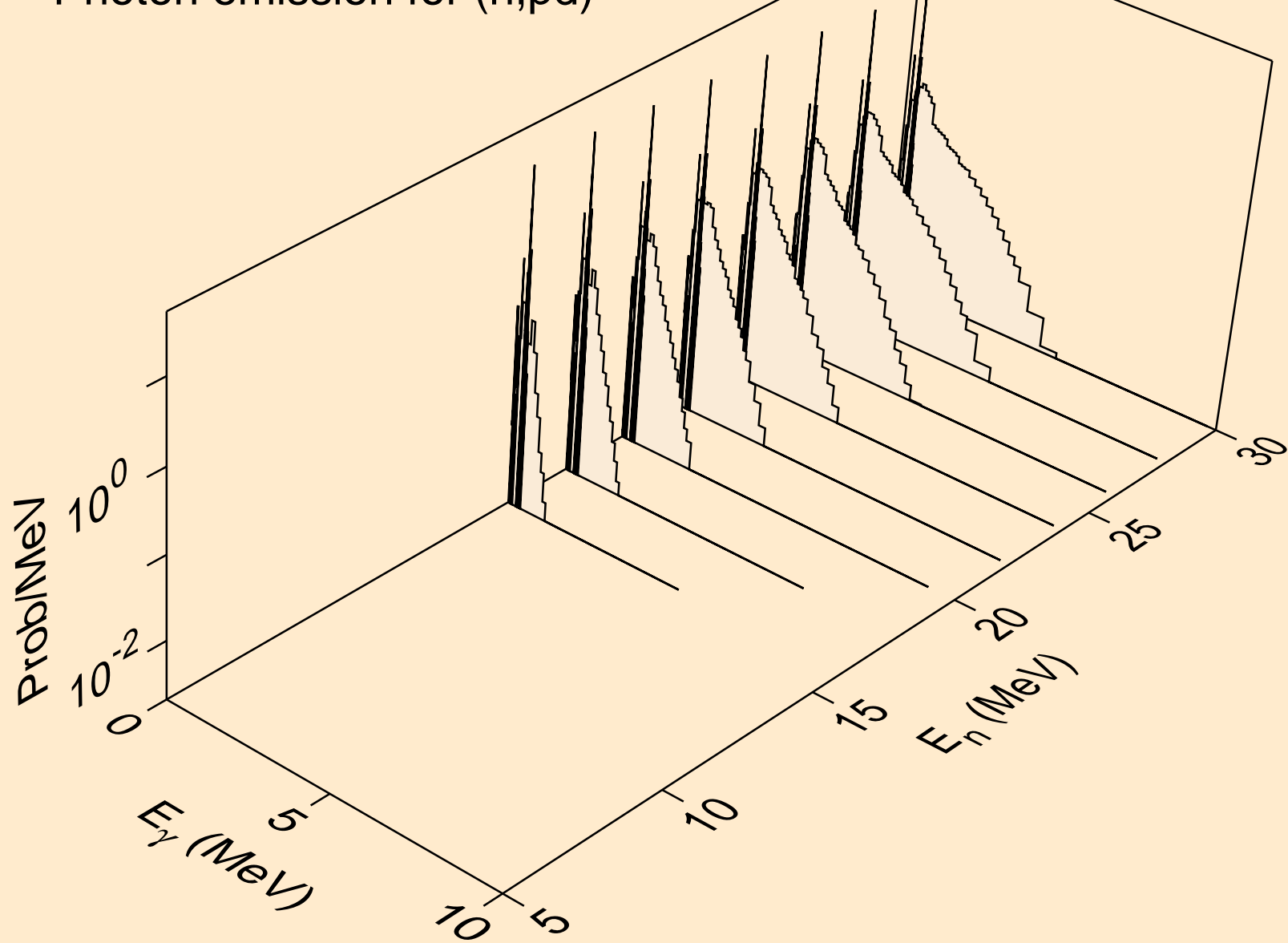
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Photon emission for (n,2p)



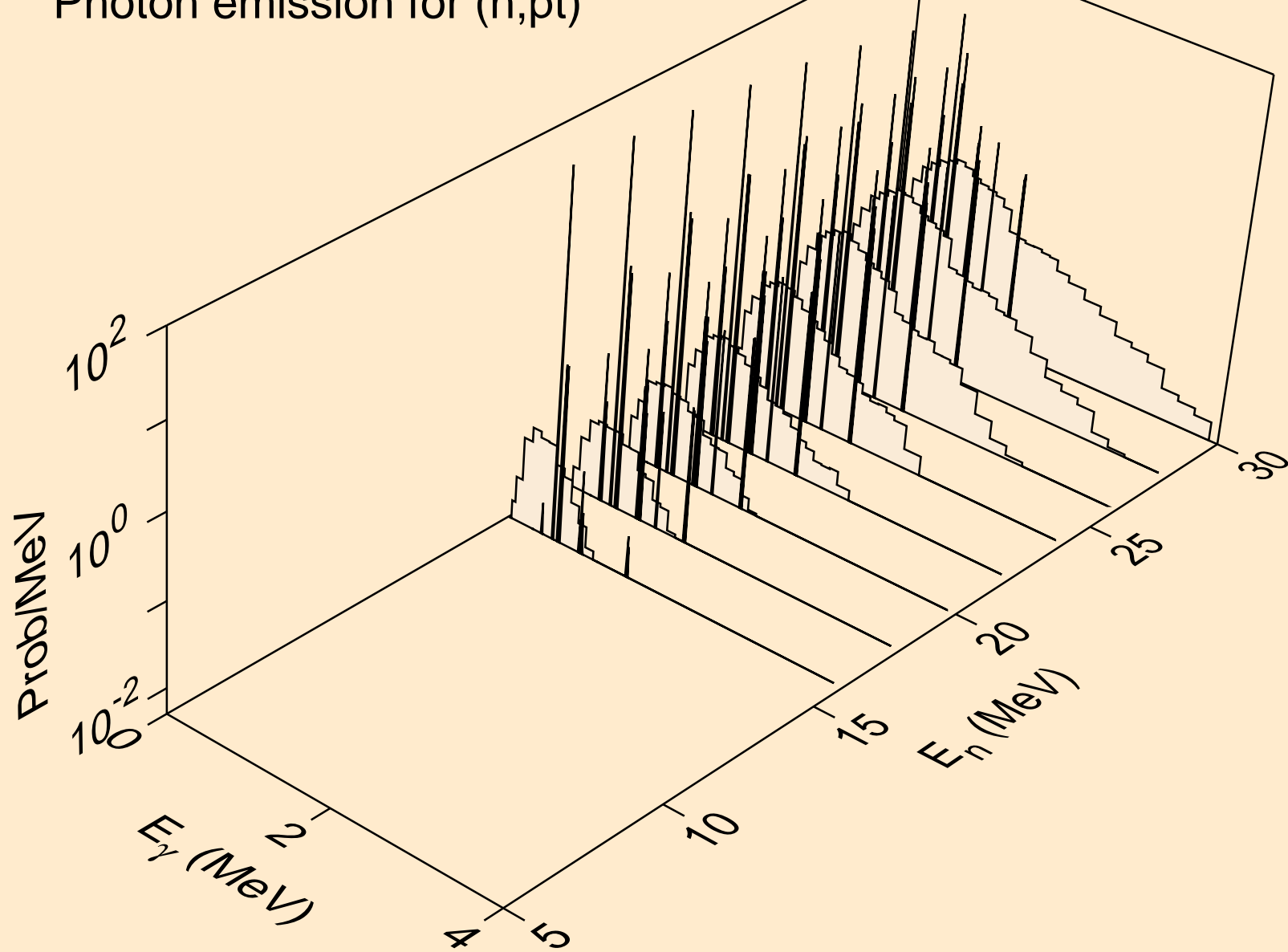
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p $\alpha$ )



GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pd)

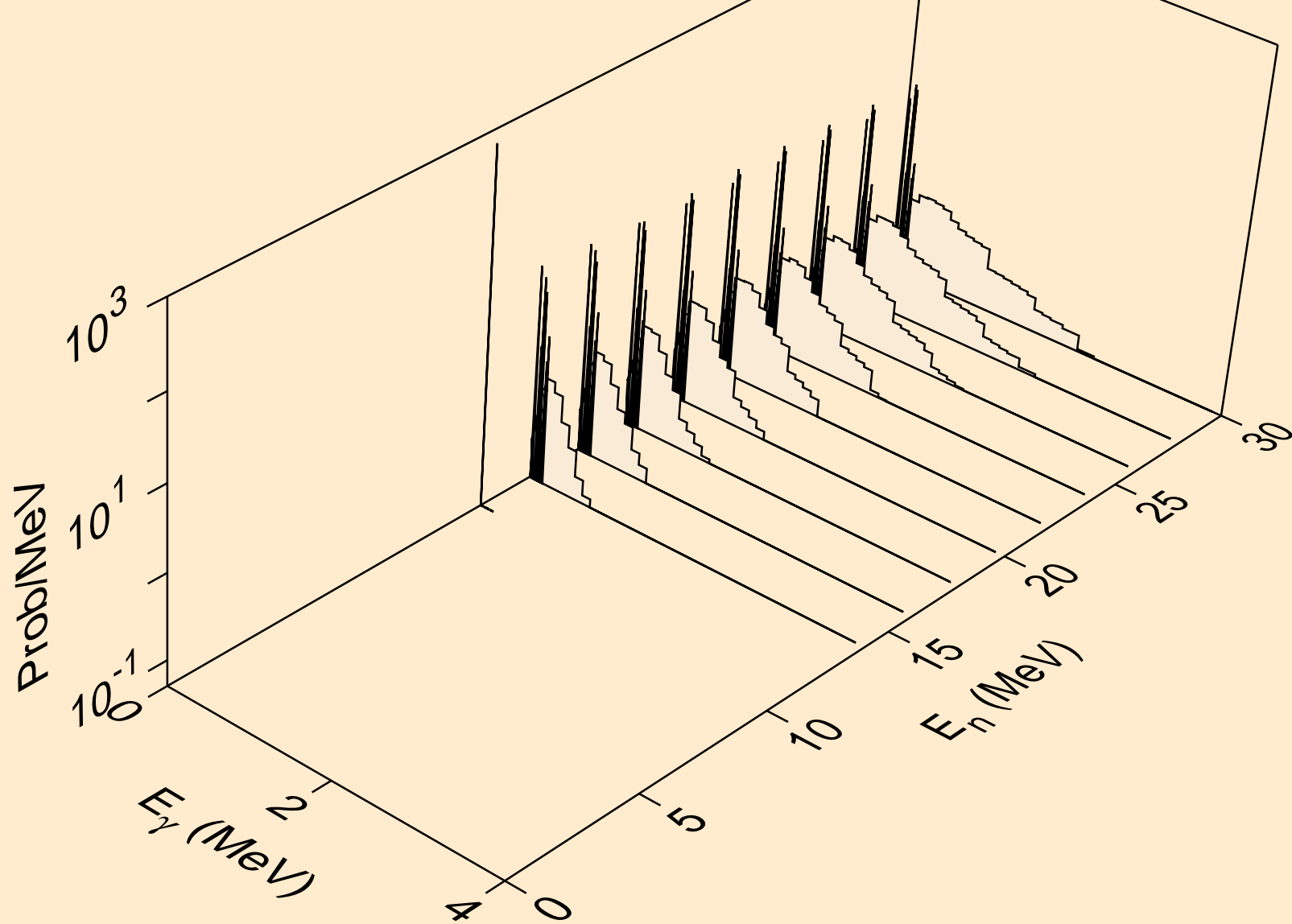


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Photon emission for (n,pt)

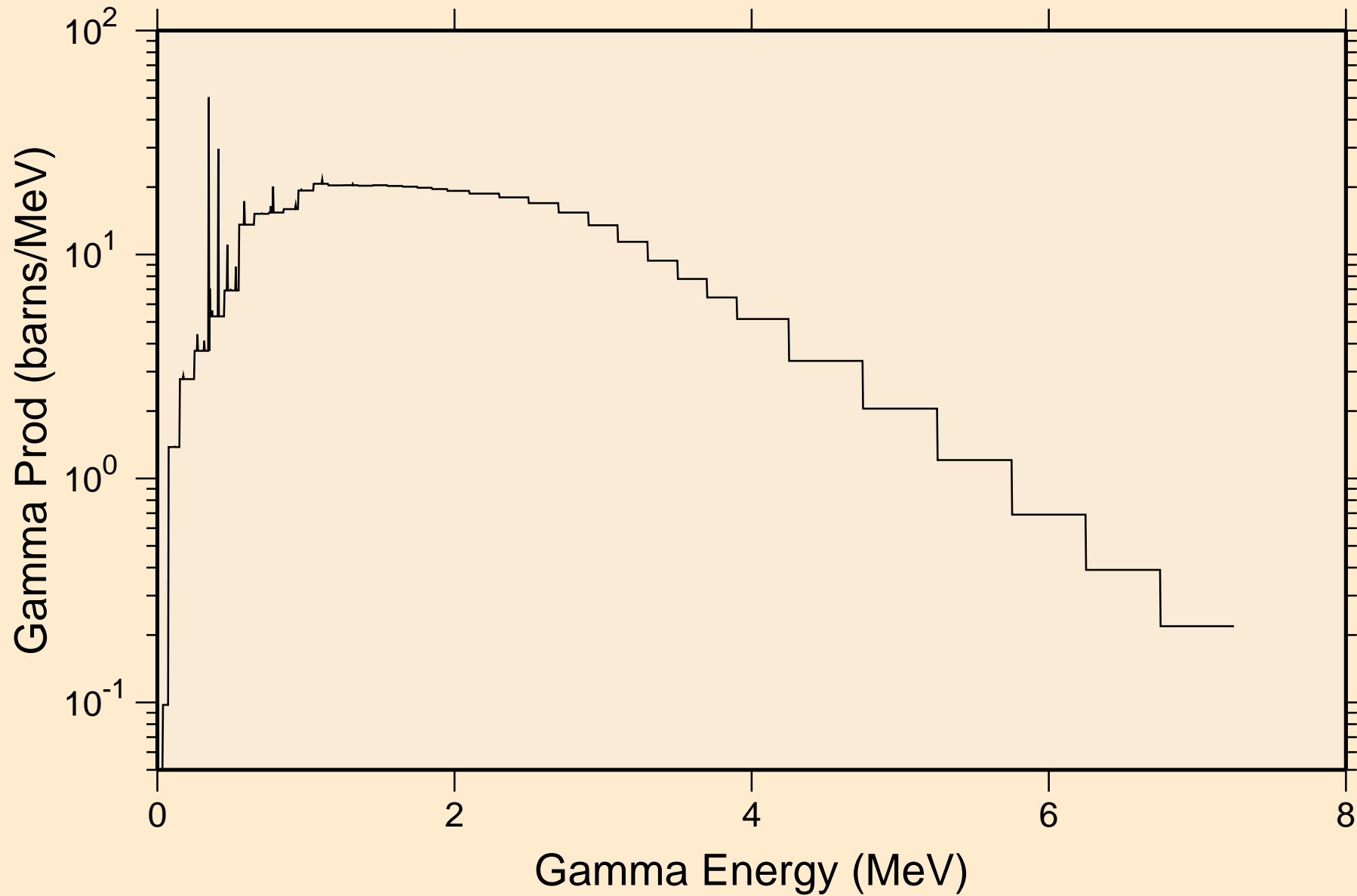




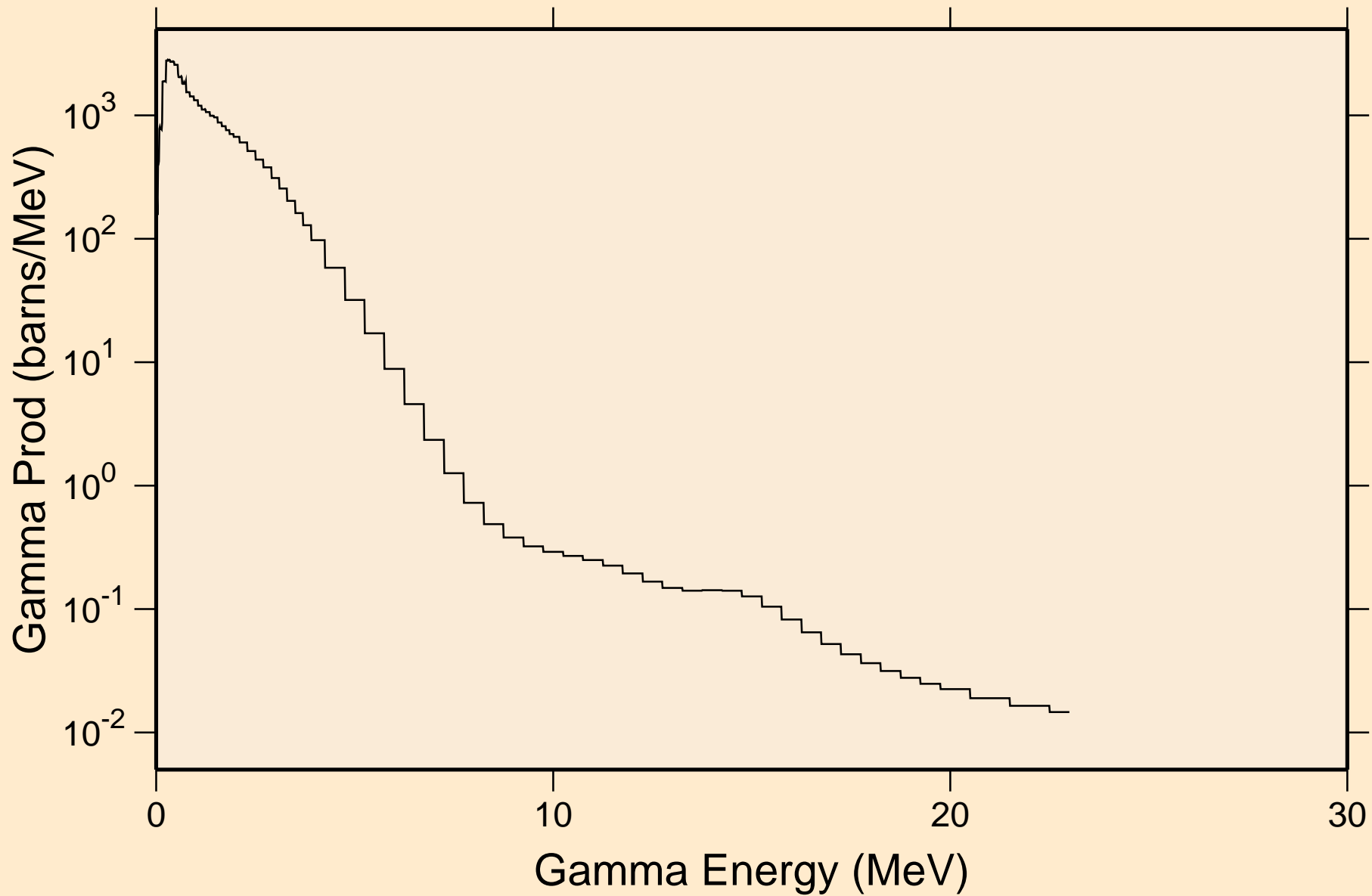
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Photon emission for (n,da)



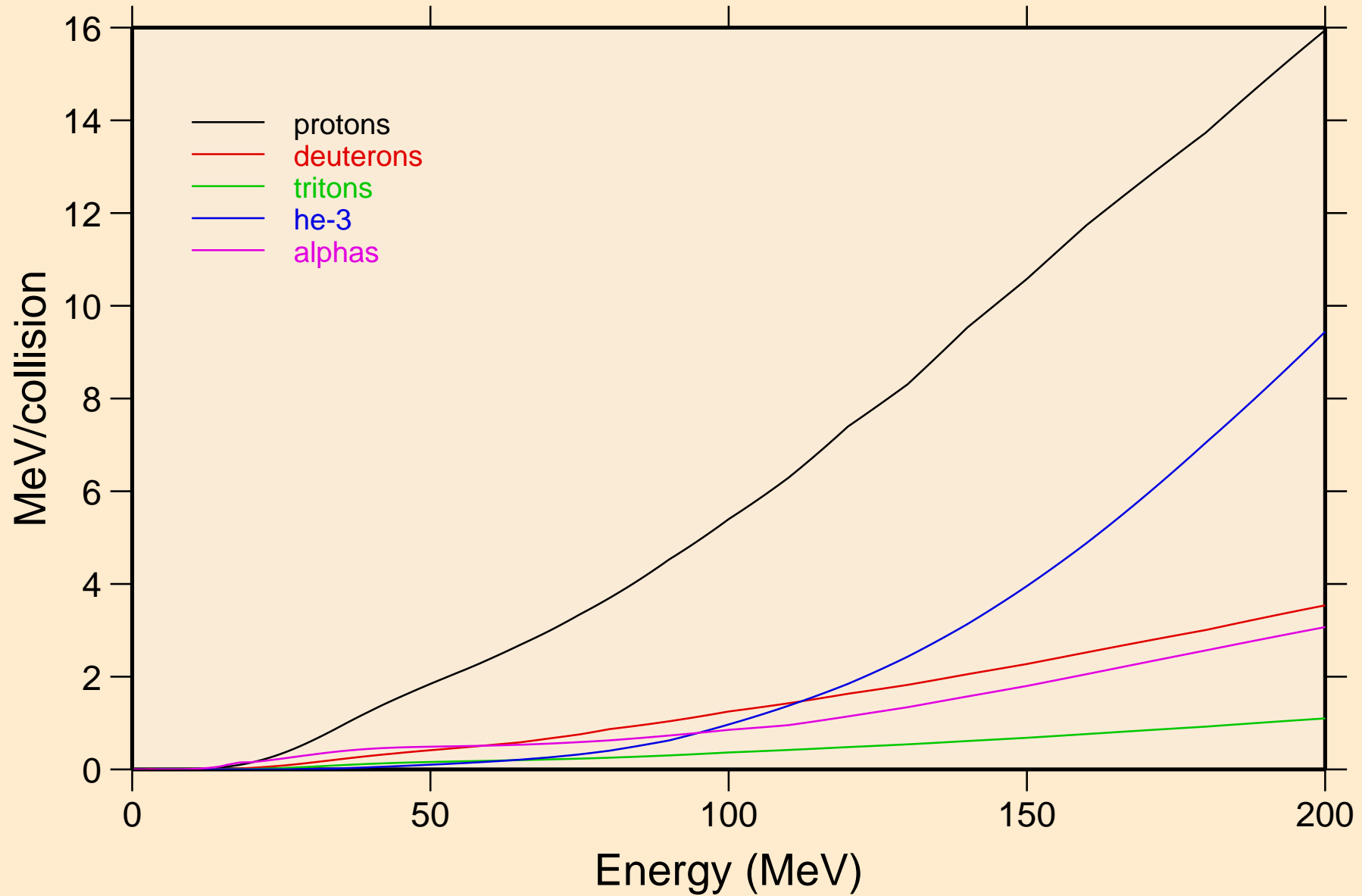
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum



GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum

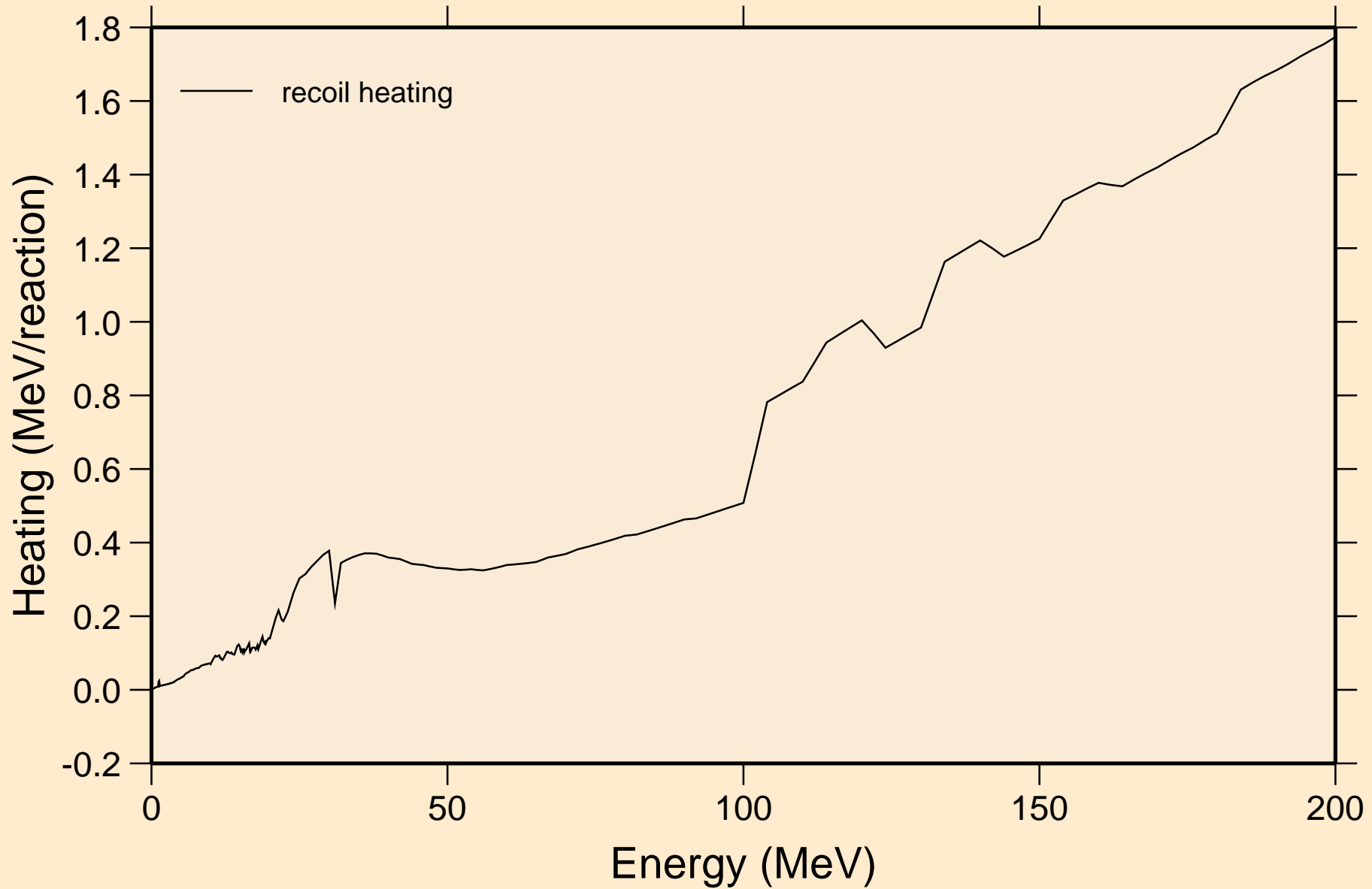


GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle heating contributions

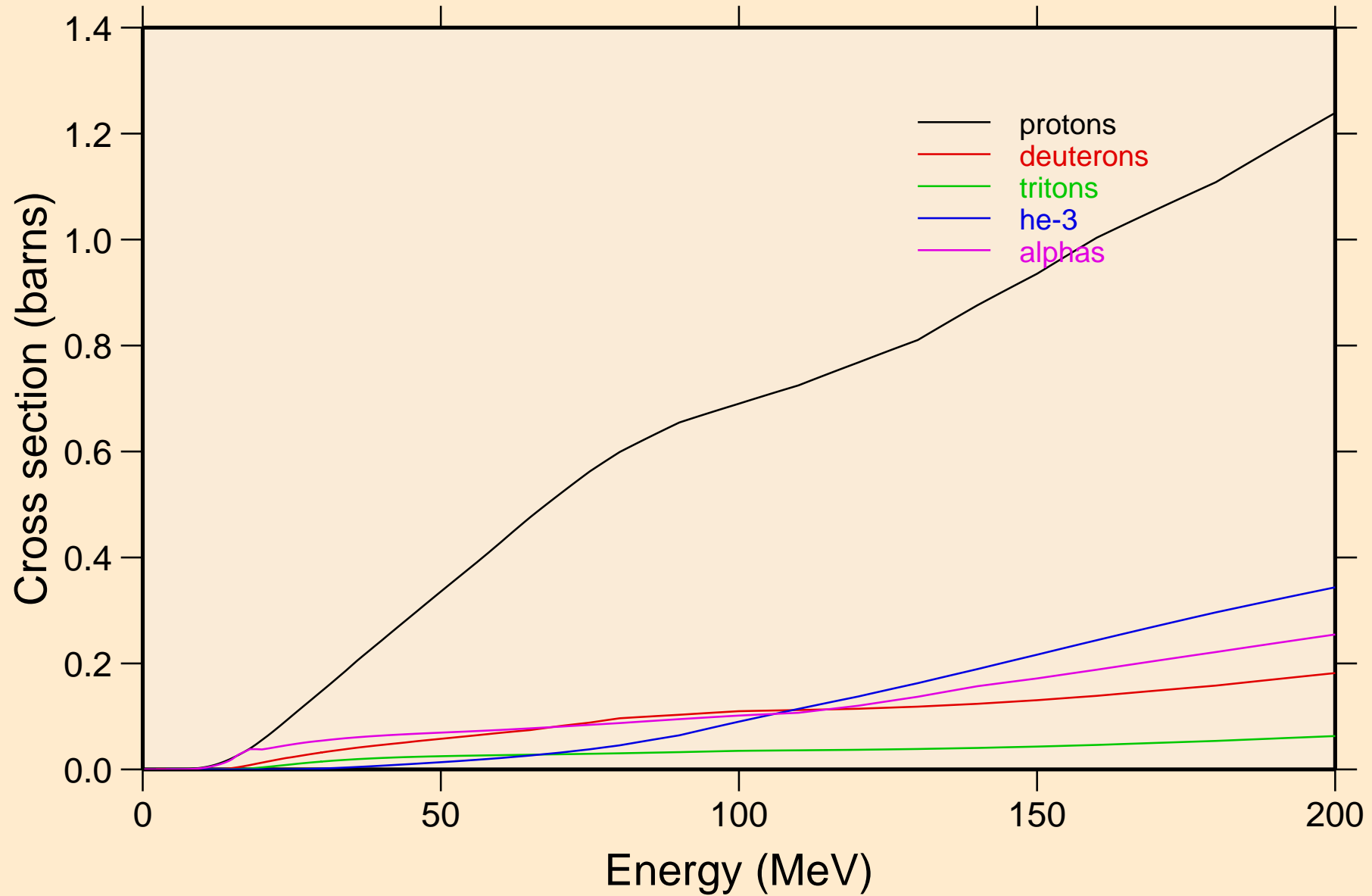


# GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

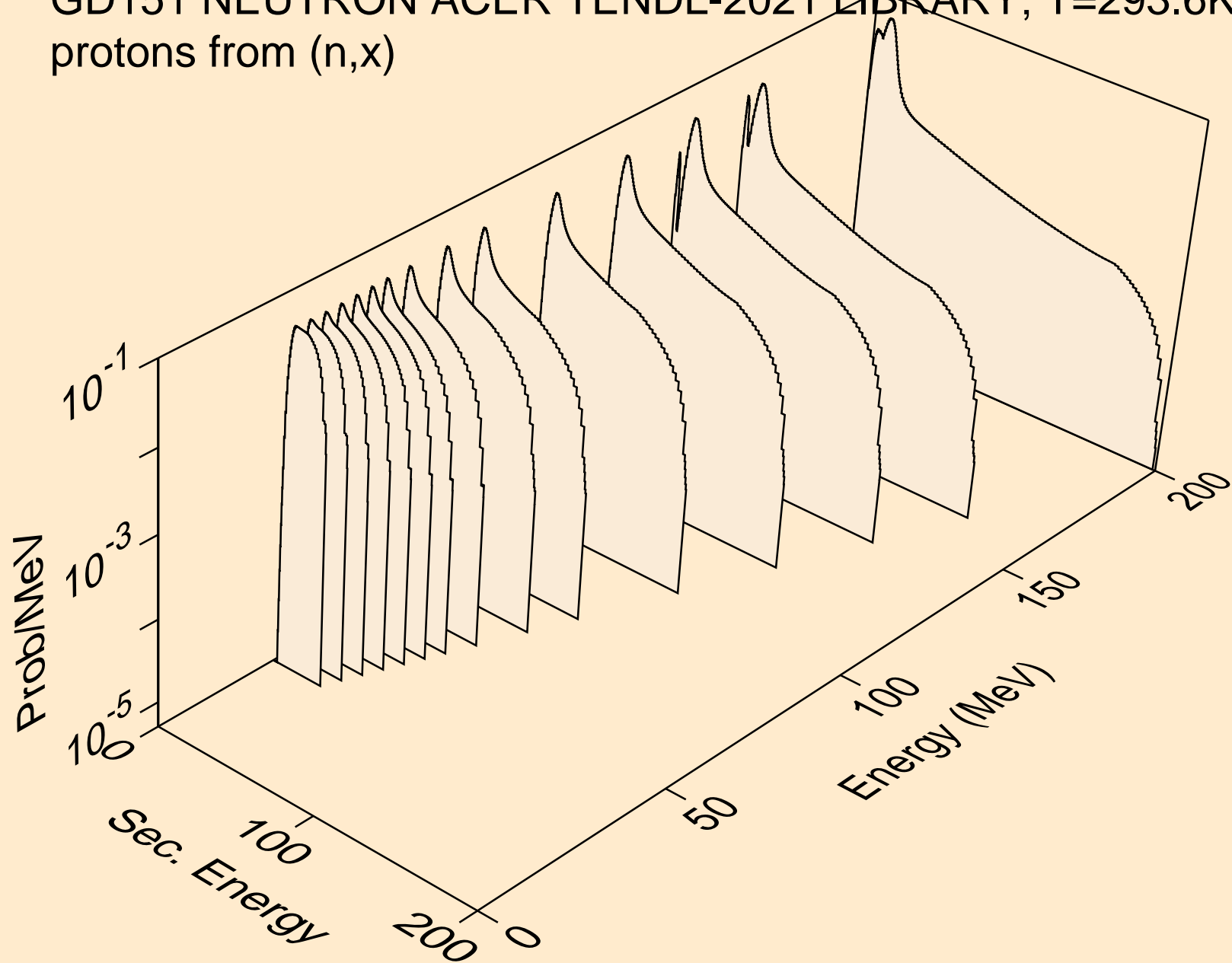
## Recoil Heating



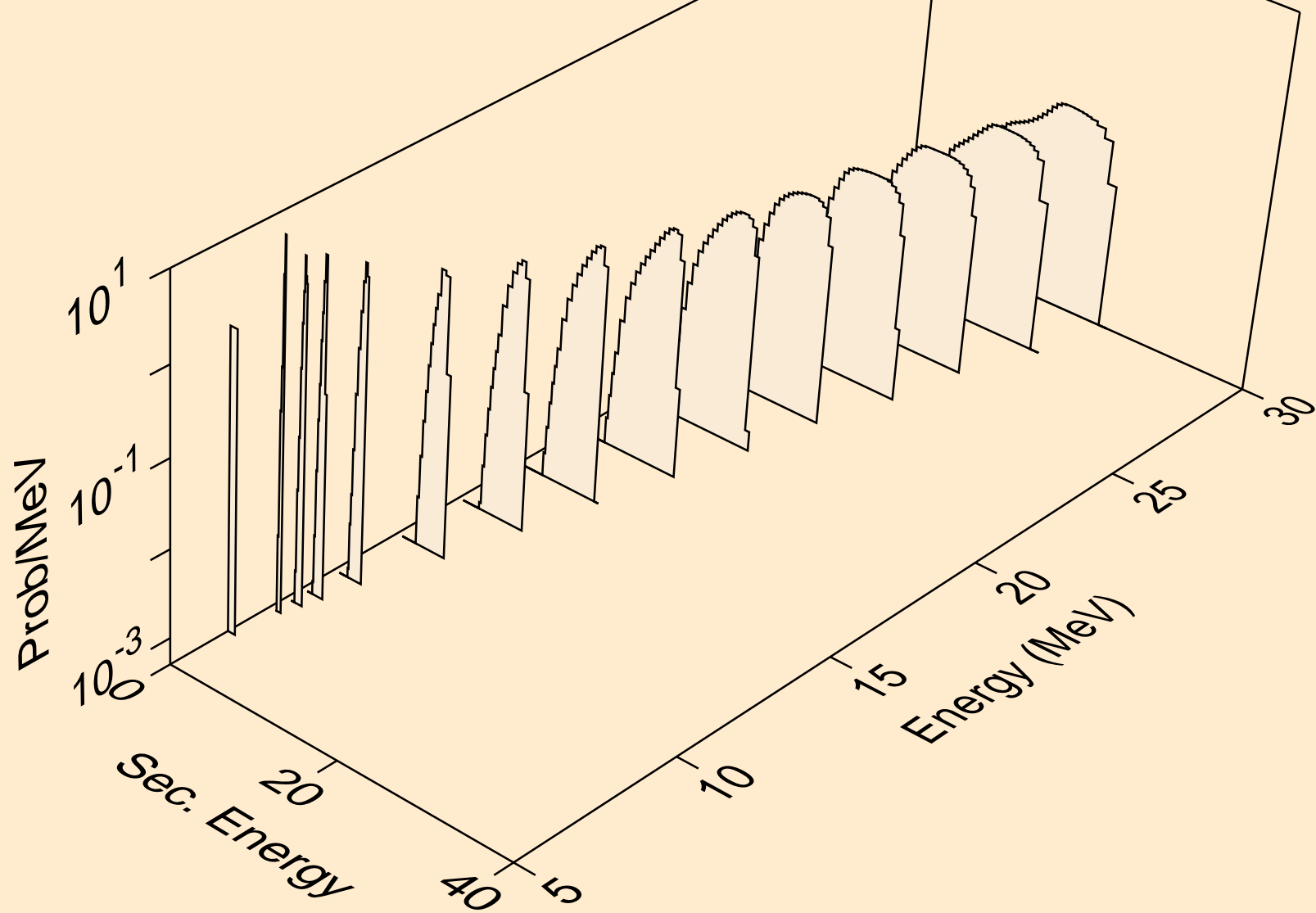
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle production cross sections



GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)

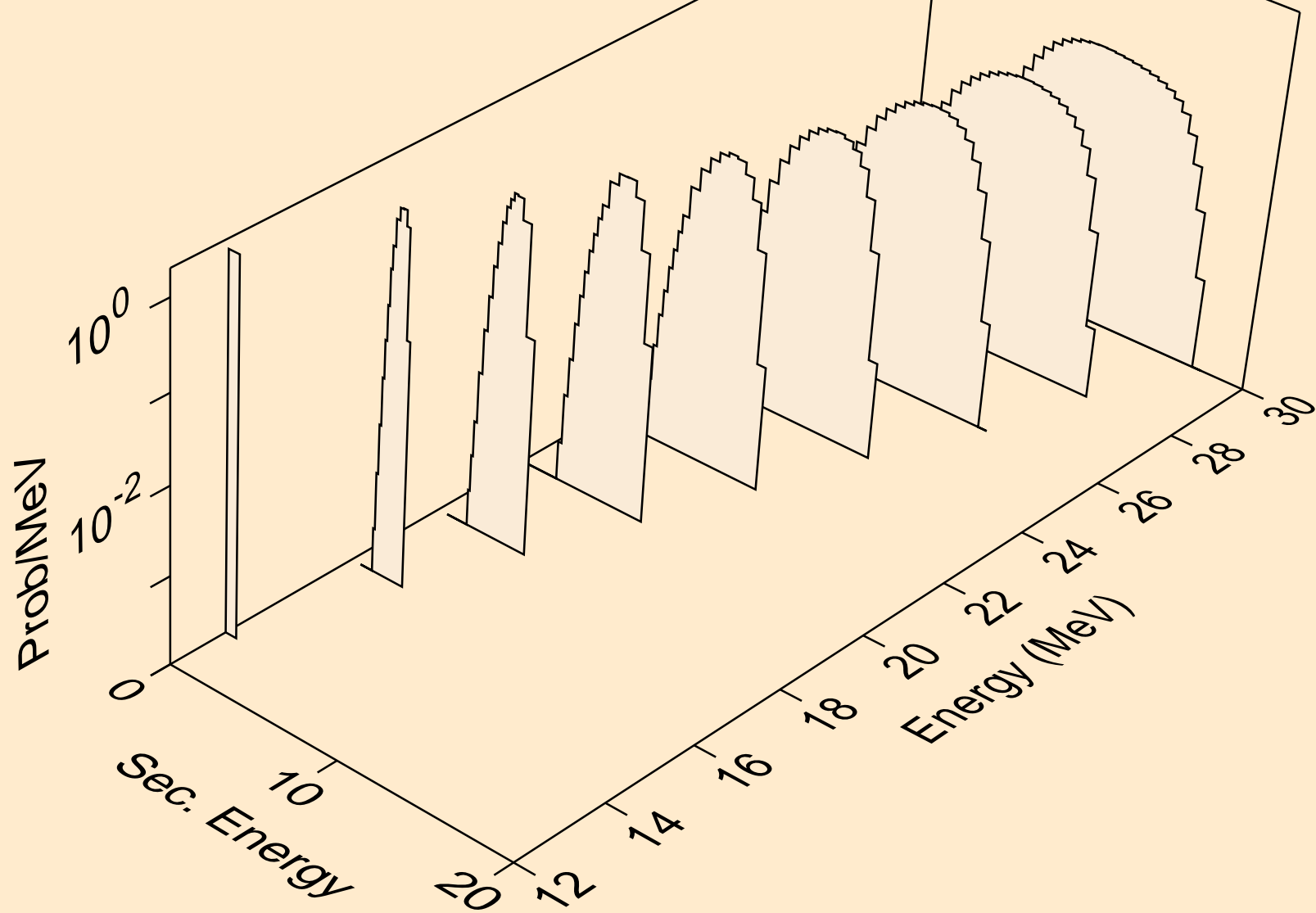


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protons from (n,n\*)p

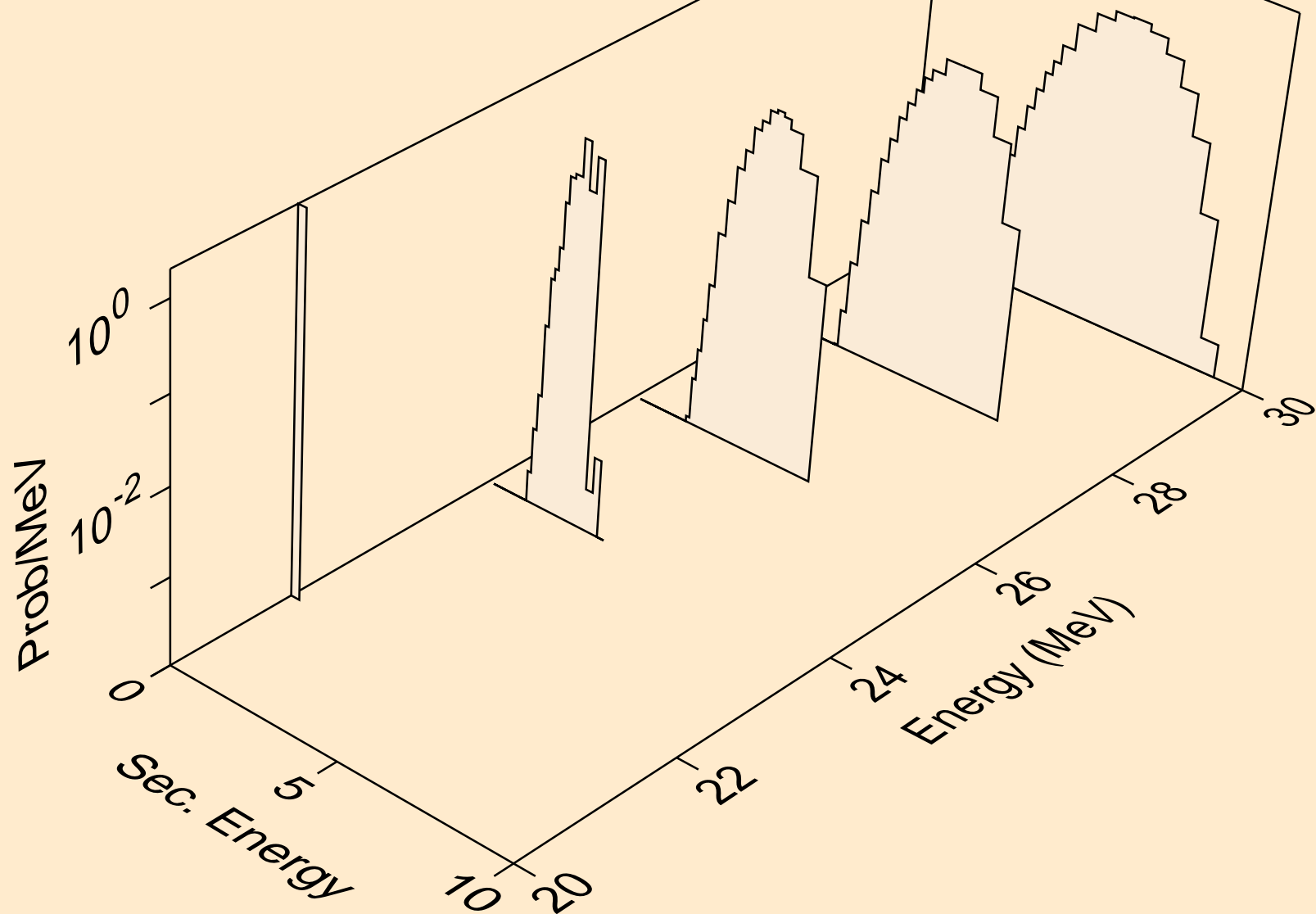




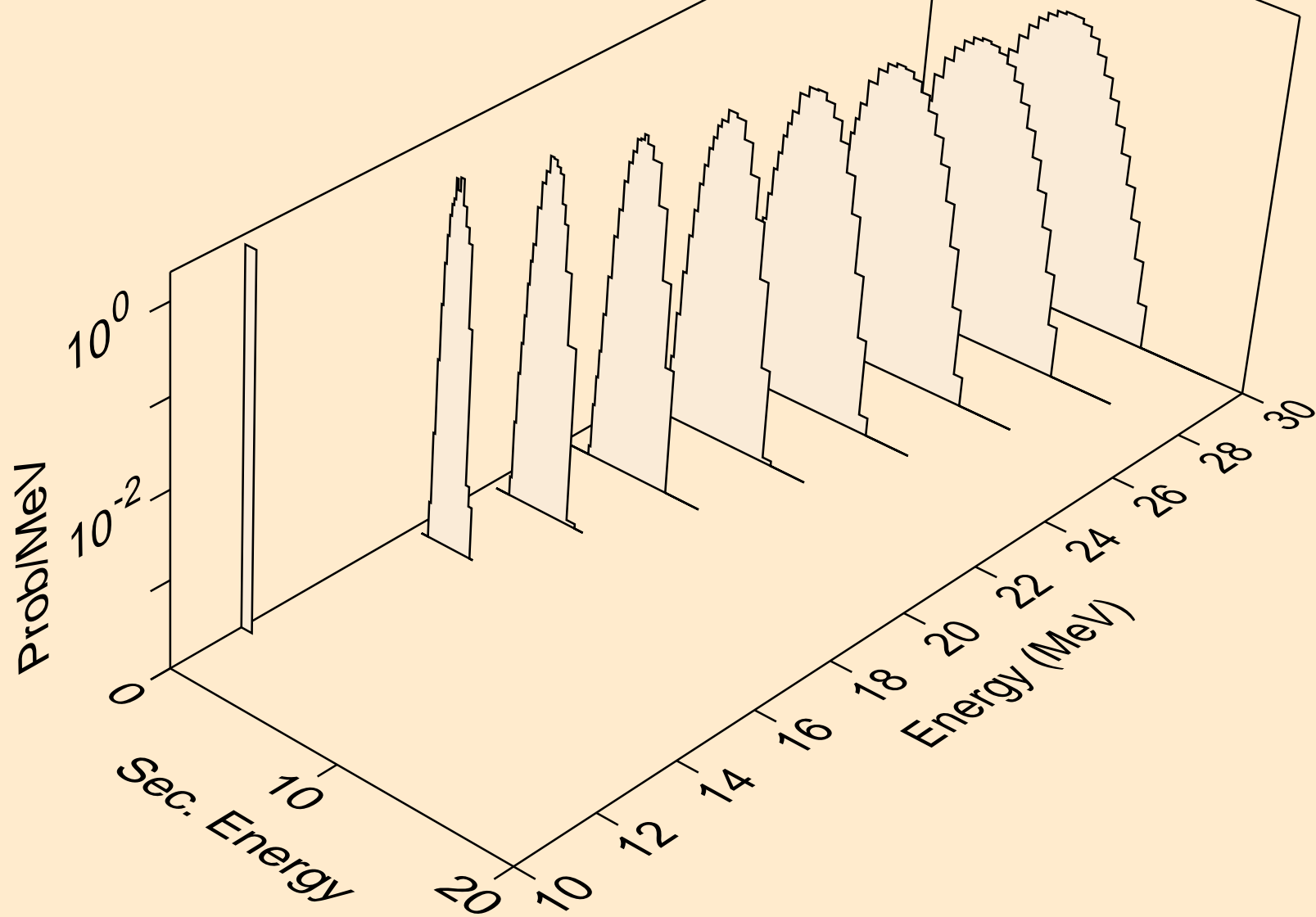
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protons from (n,2np)



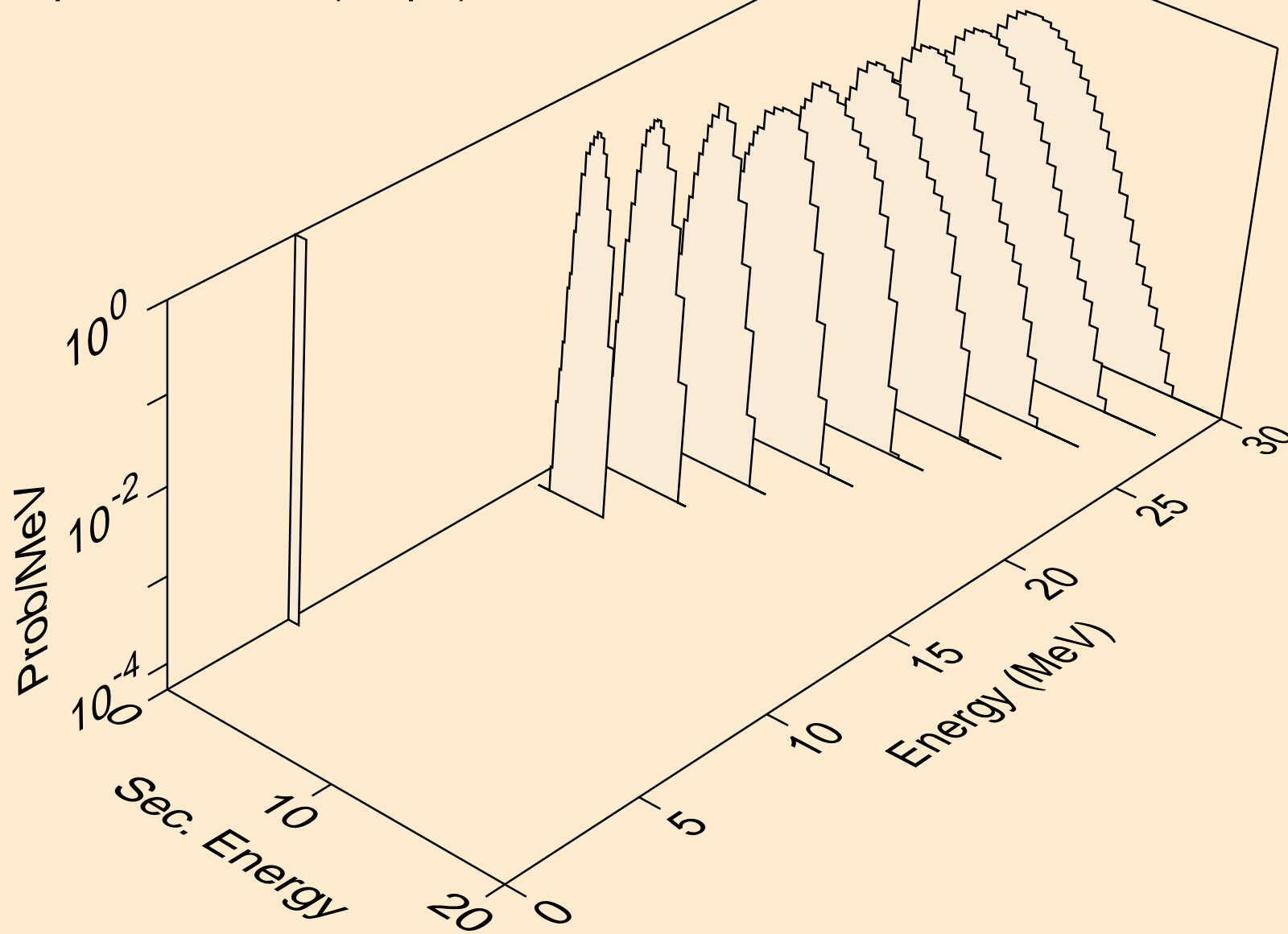
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protons from (n,3np)



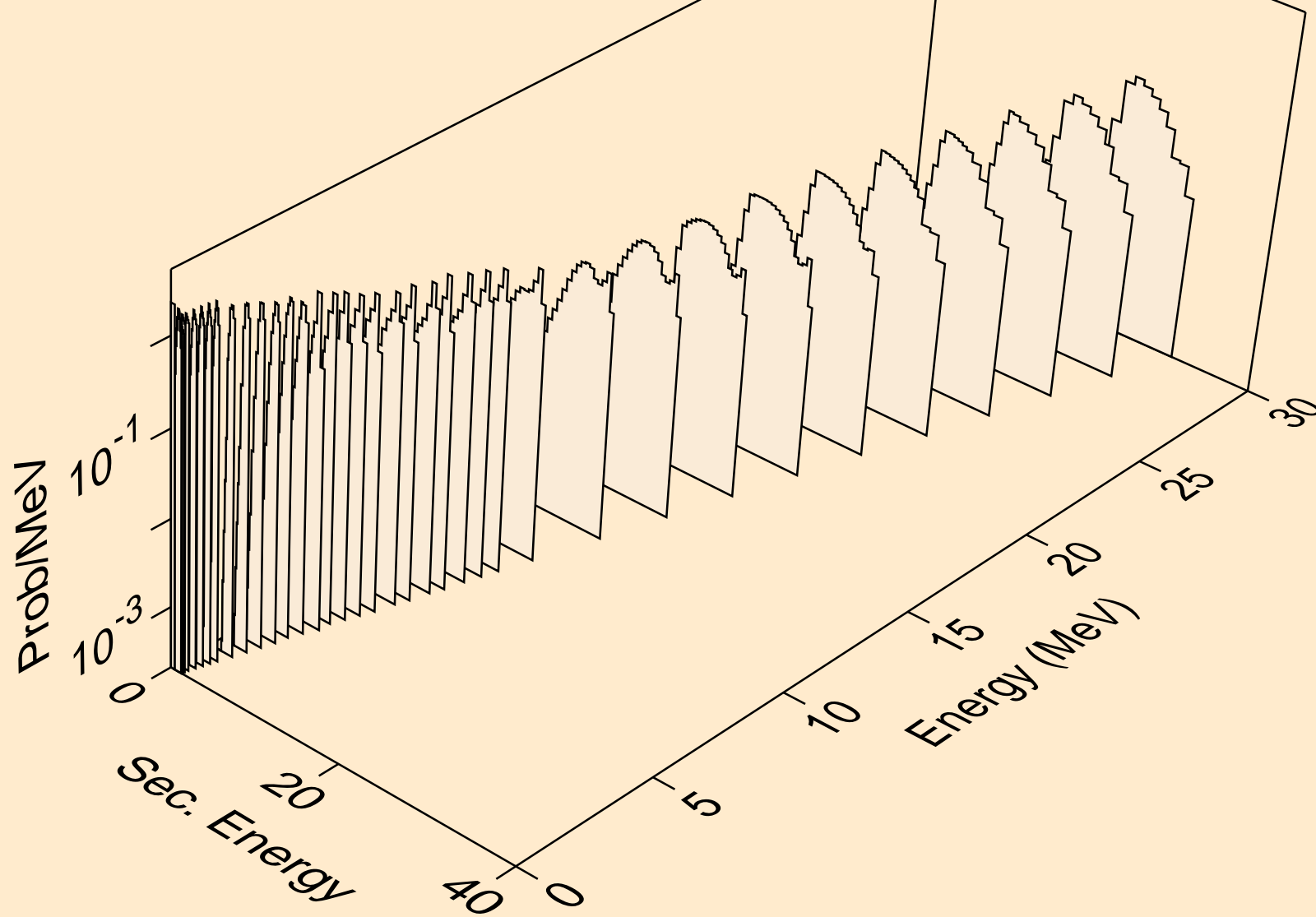
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protons from (n,2np)



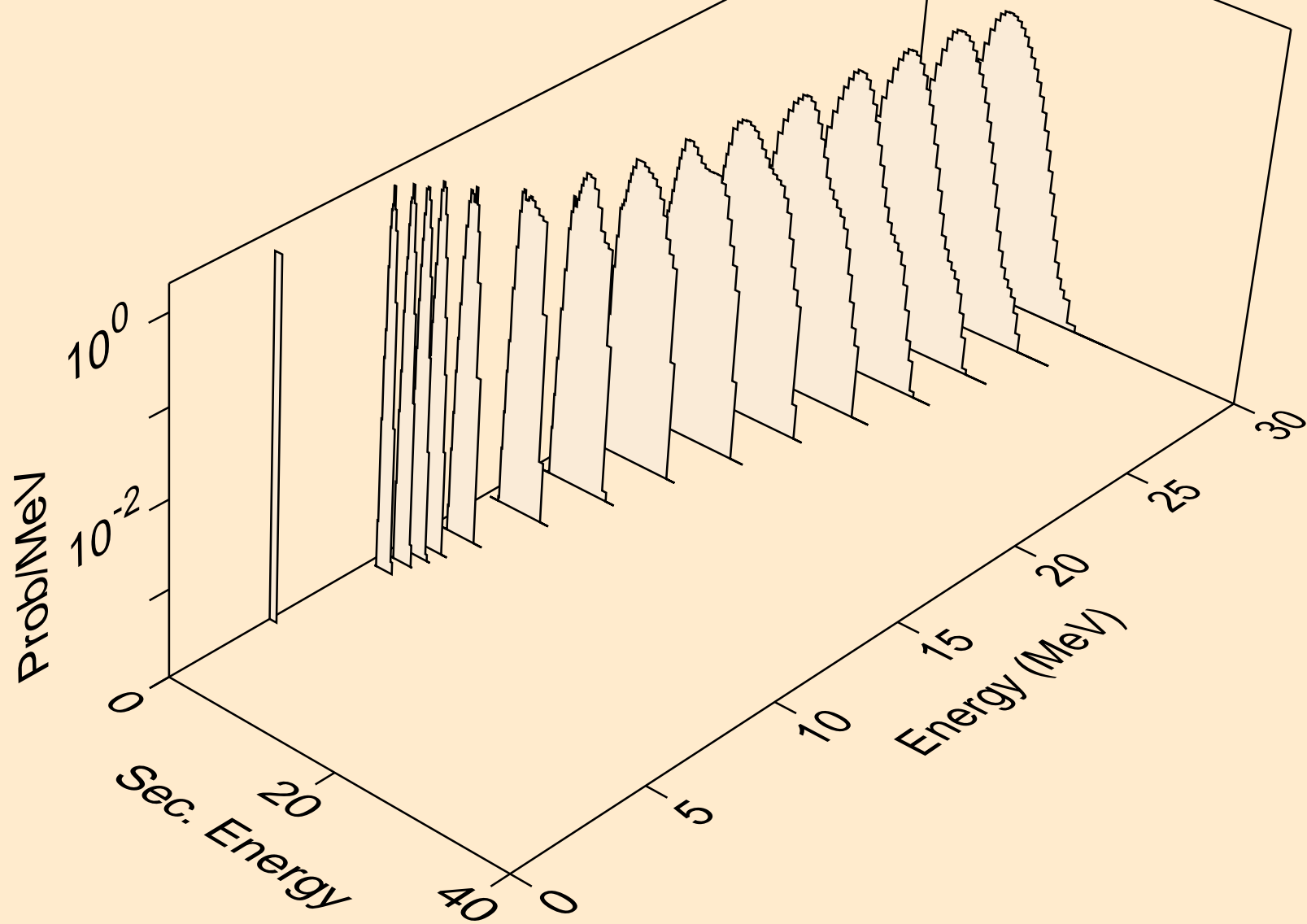
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protons from (n,npa)



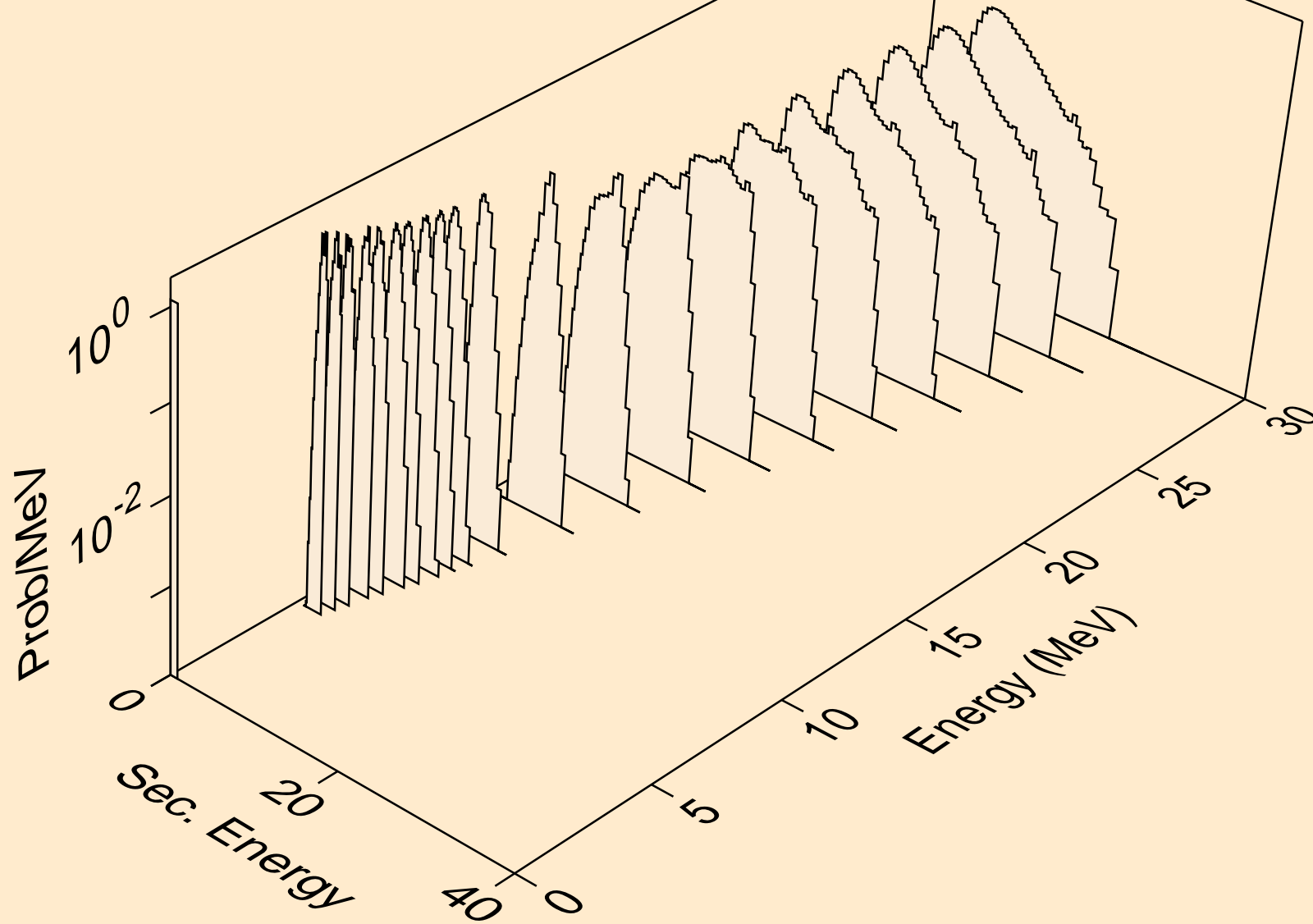
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protons from (n,p)



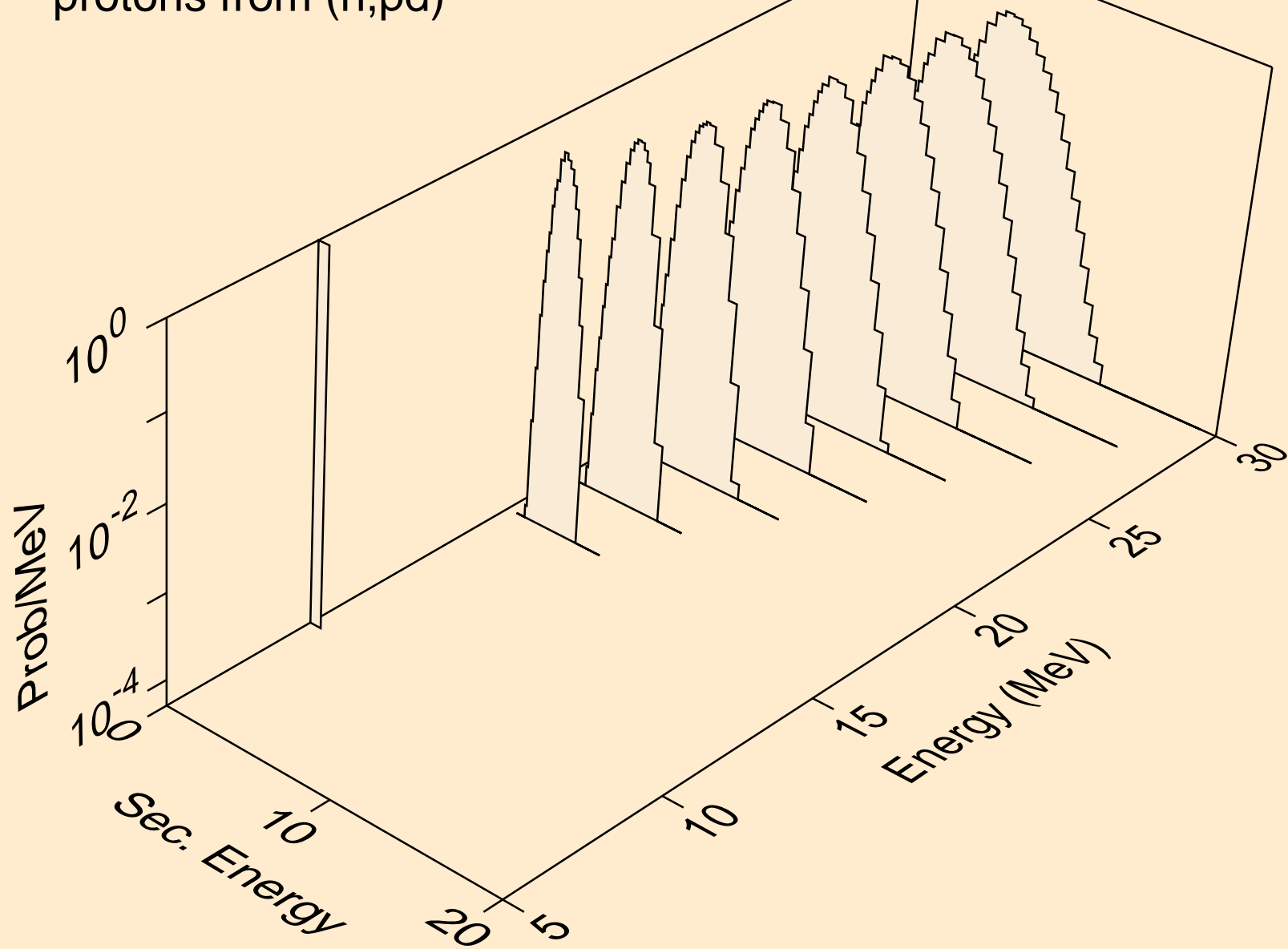
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protons from (n,2p)



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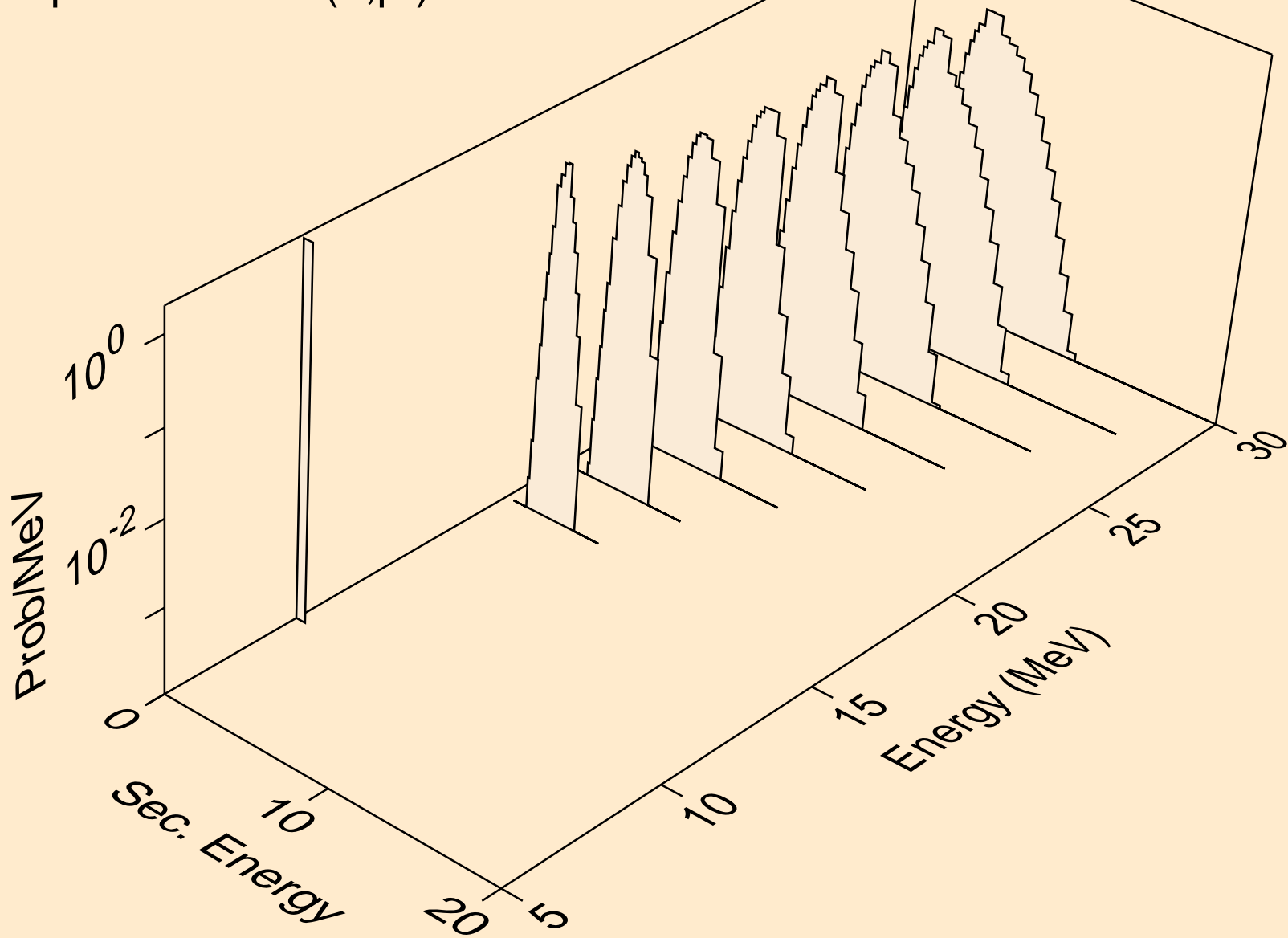


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protons from (n,pd)

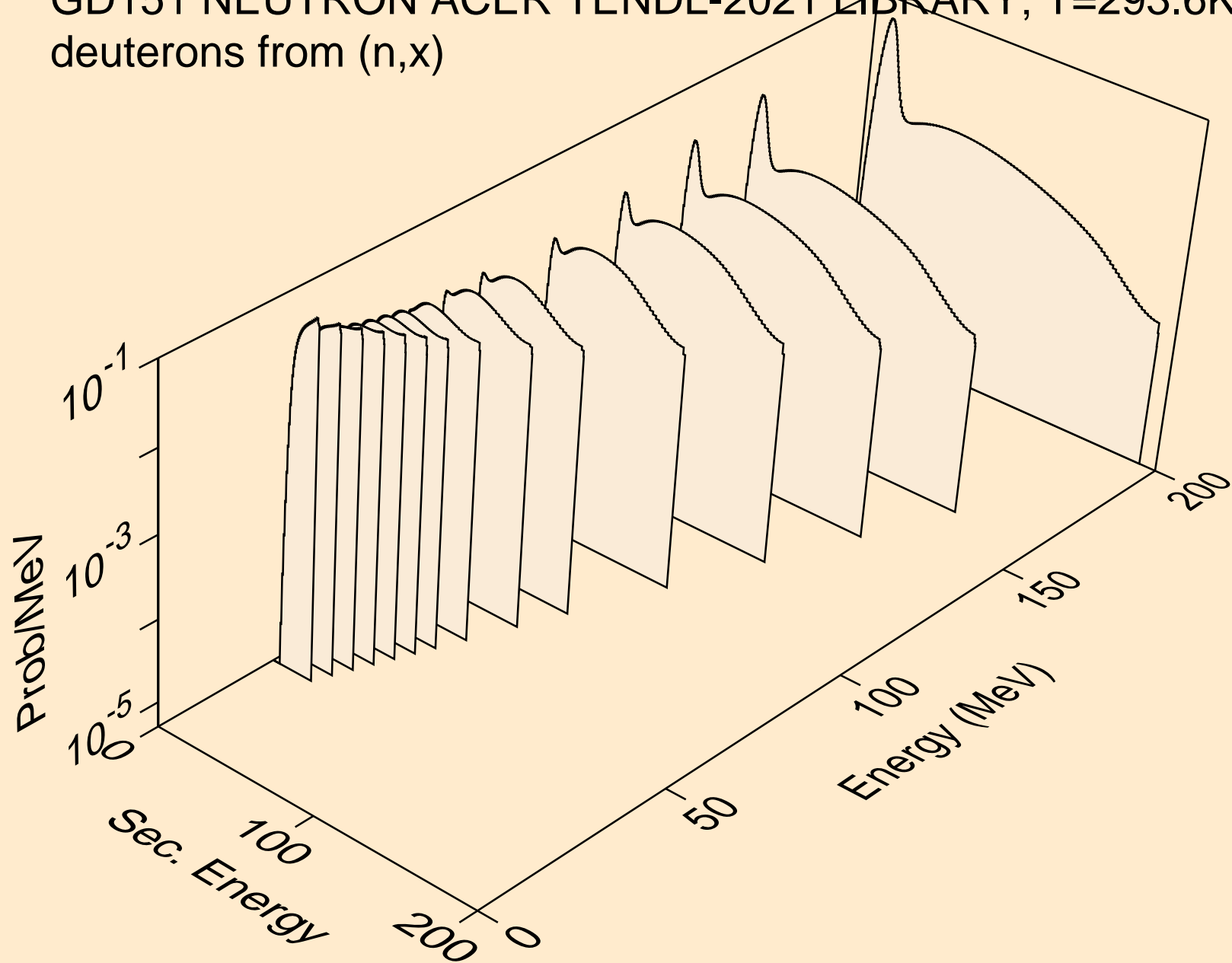




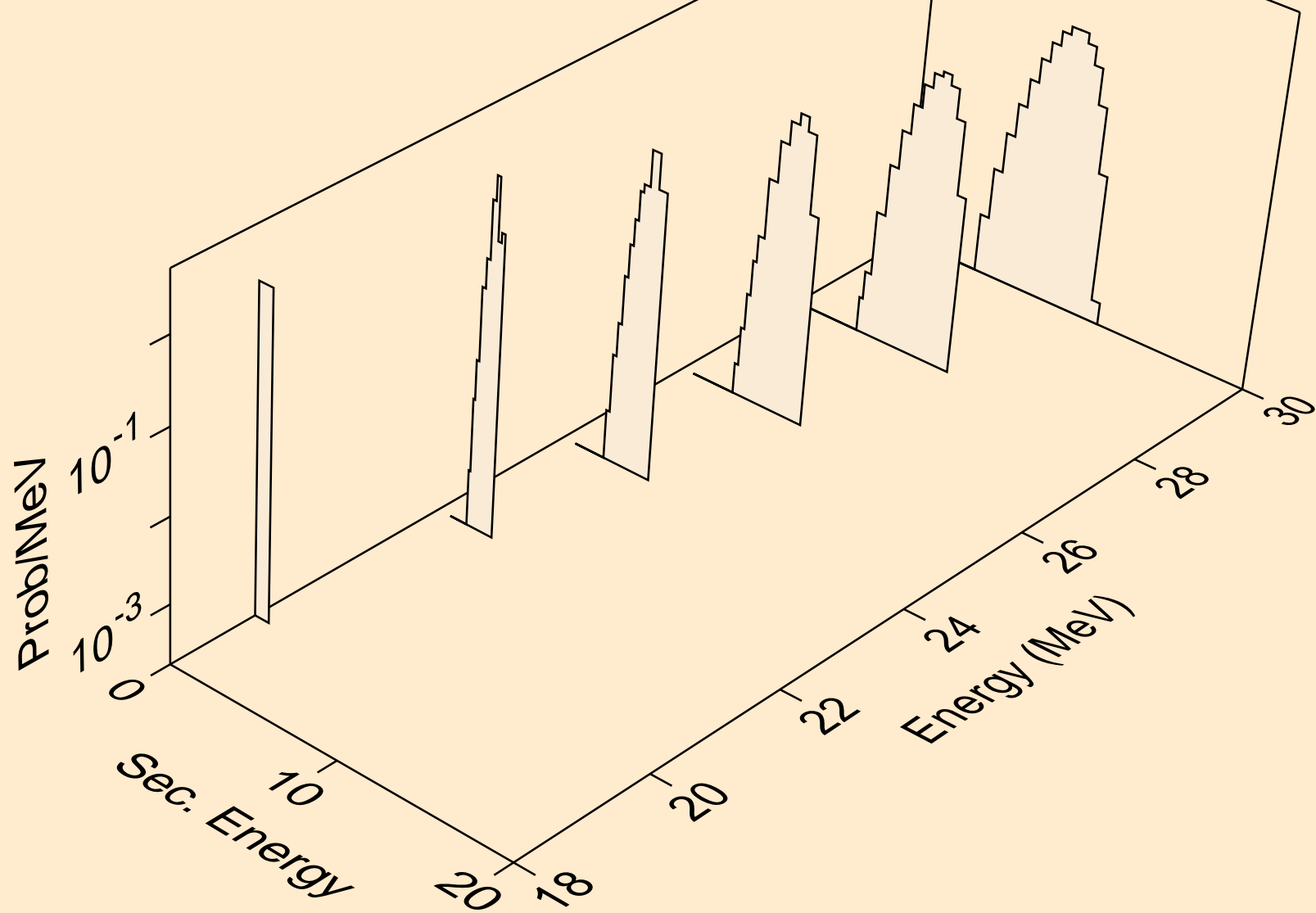
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protons from (n,pt)



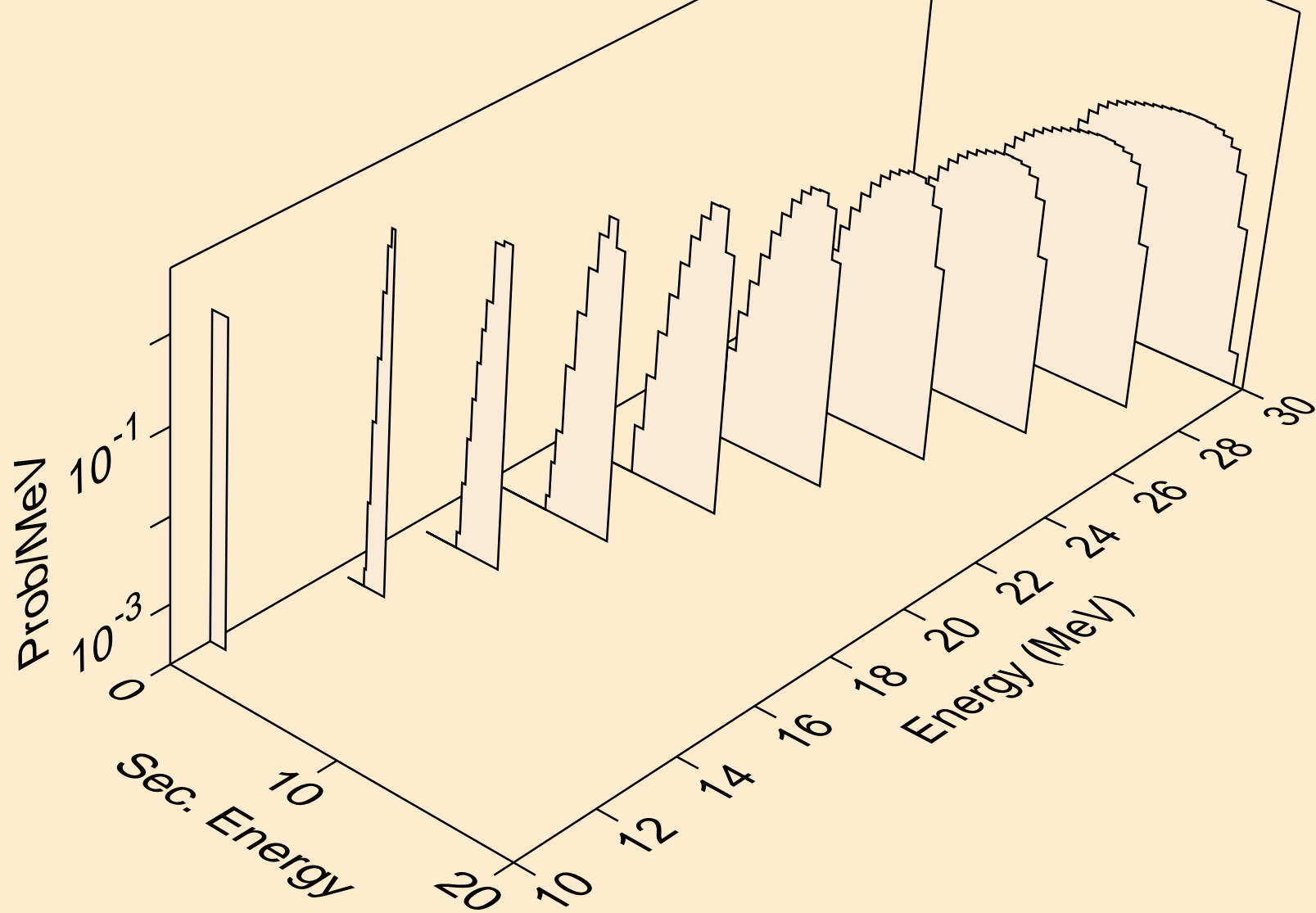
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deuterons from (n,x)



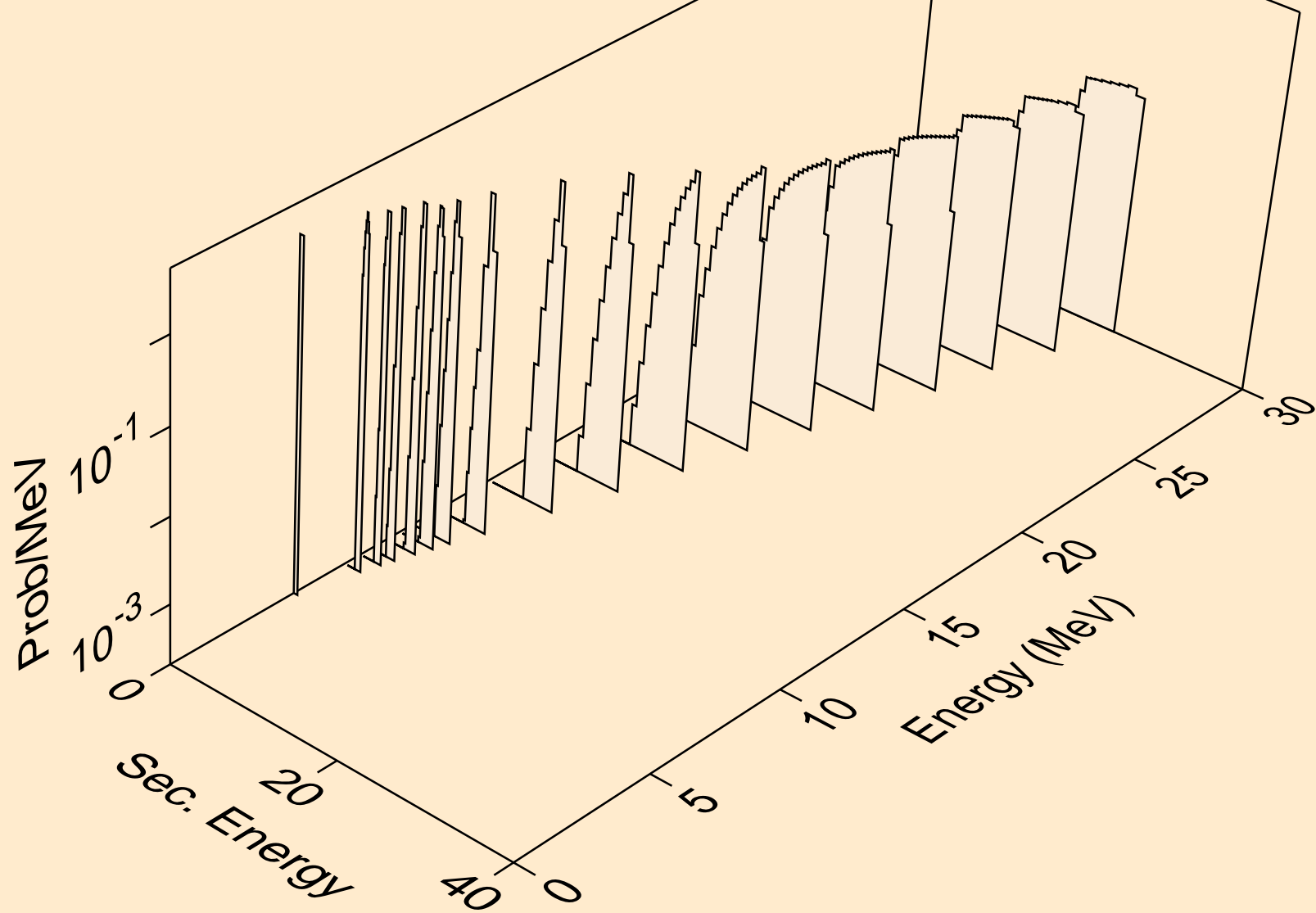
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deuterons from (n,2nd)



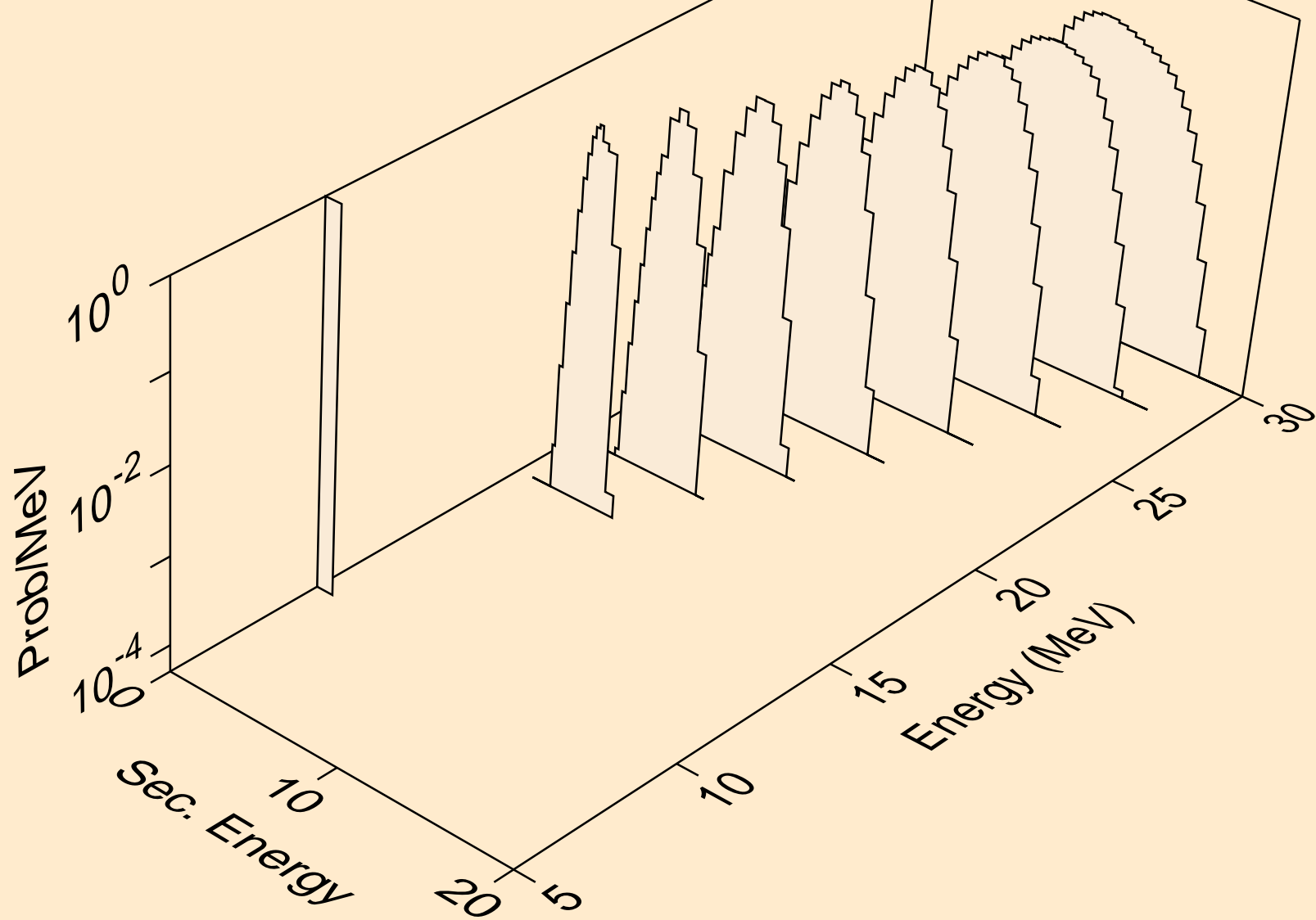
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



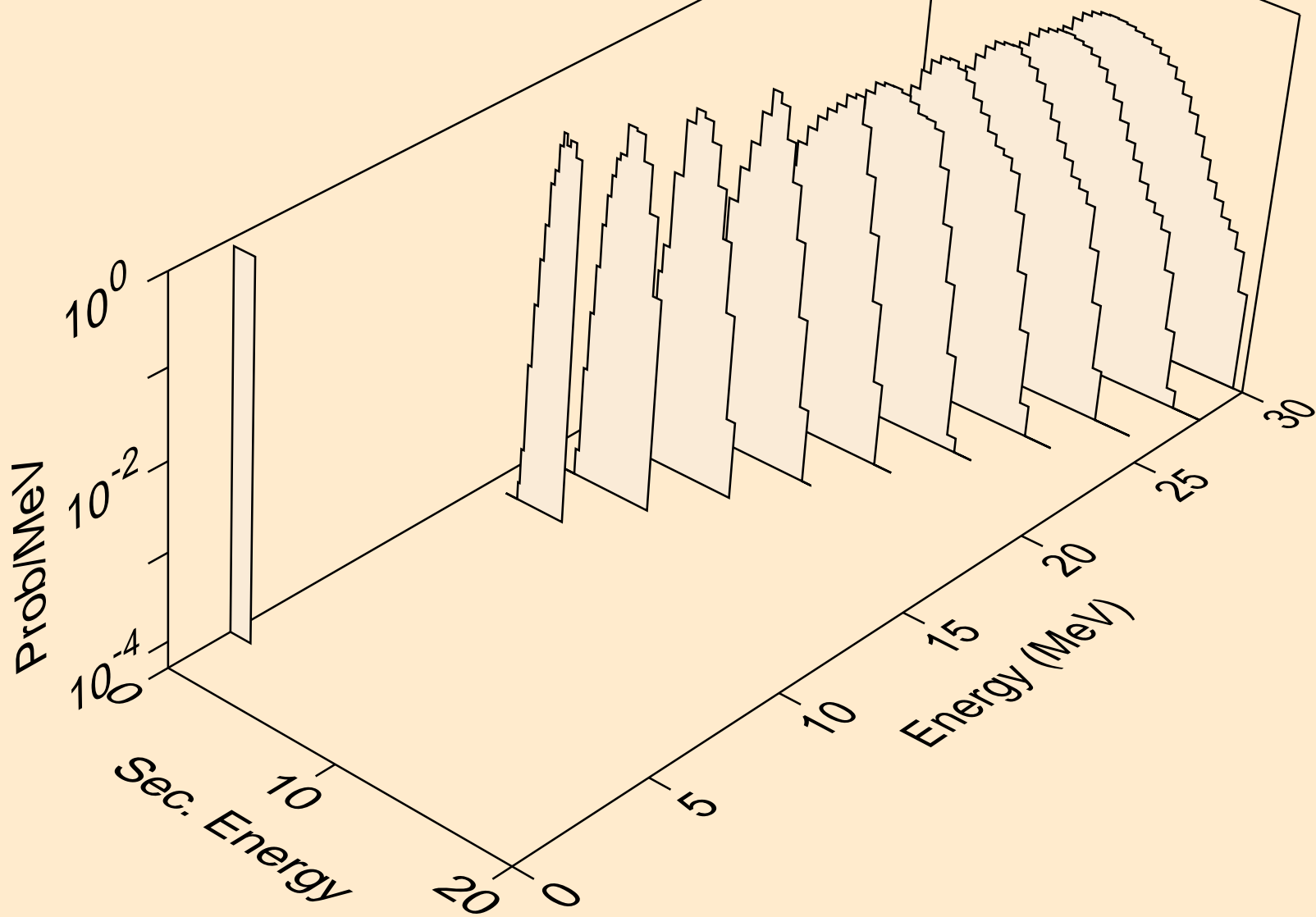
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,d)



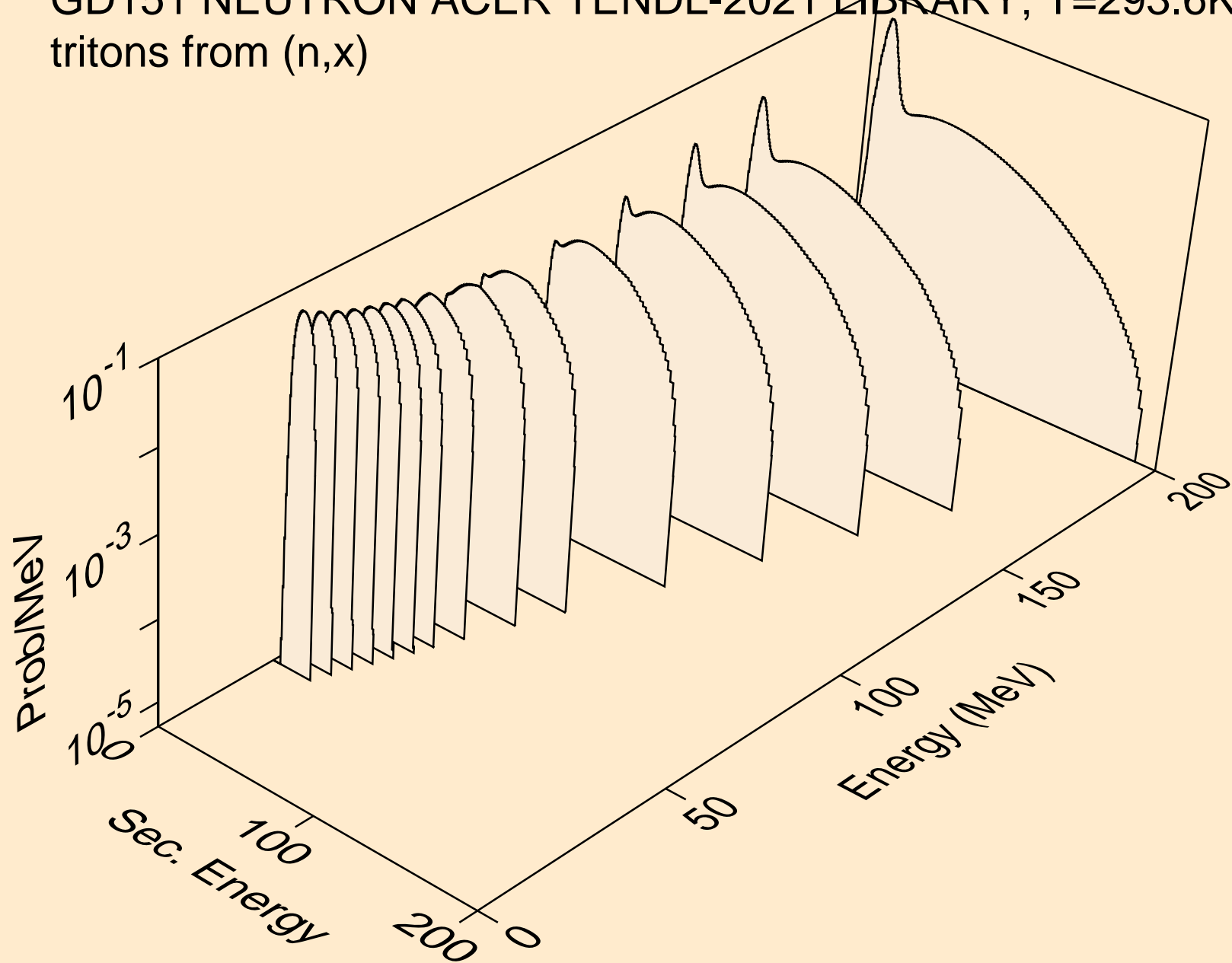
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,pd)



GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,da)

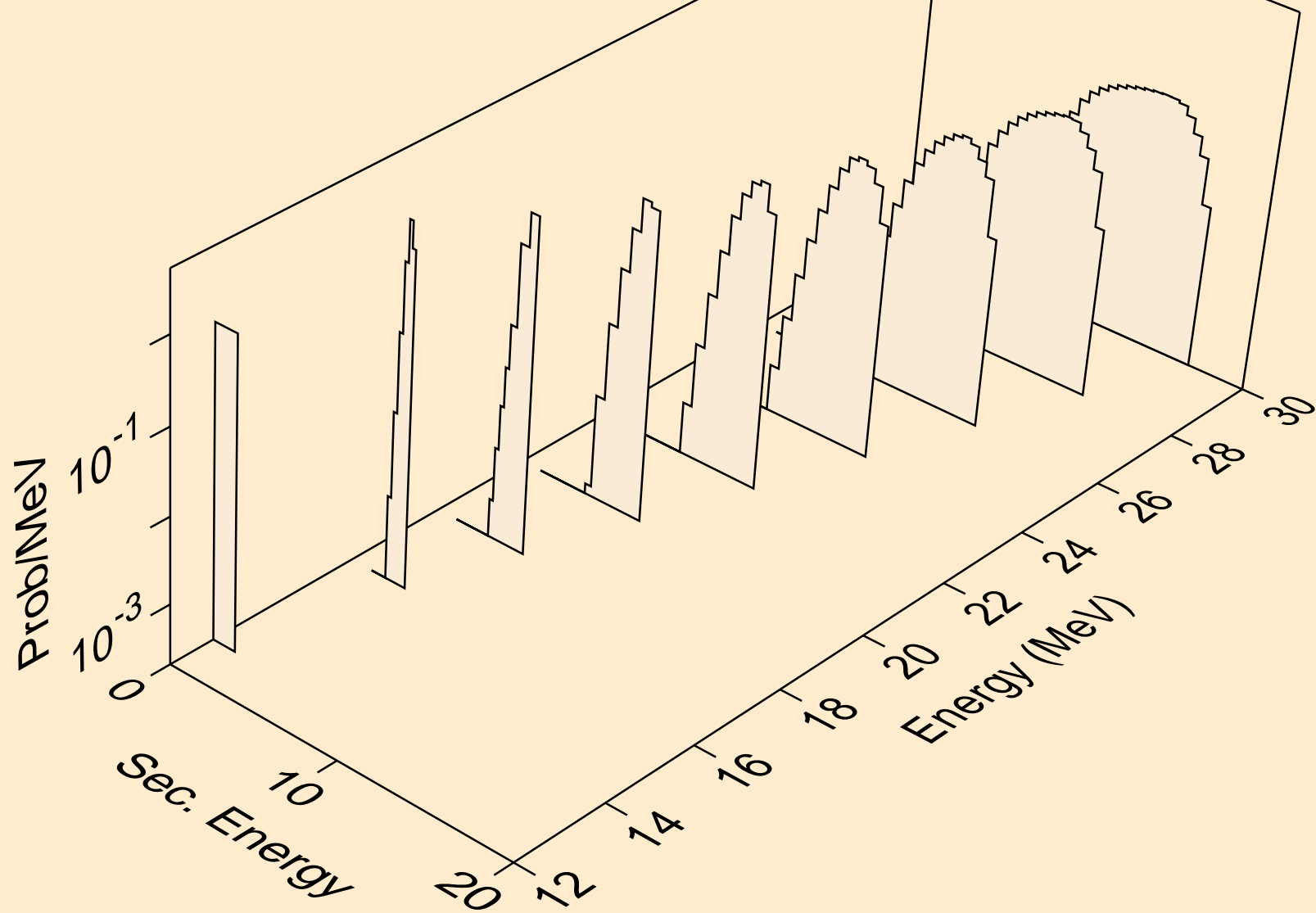


GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)

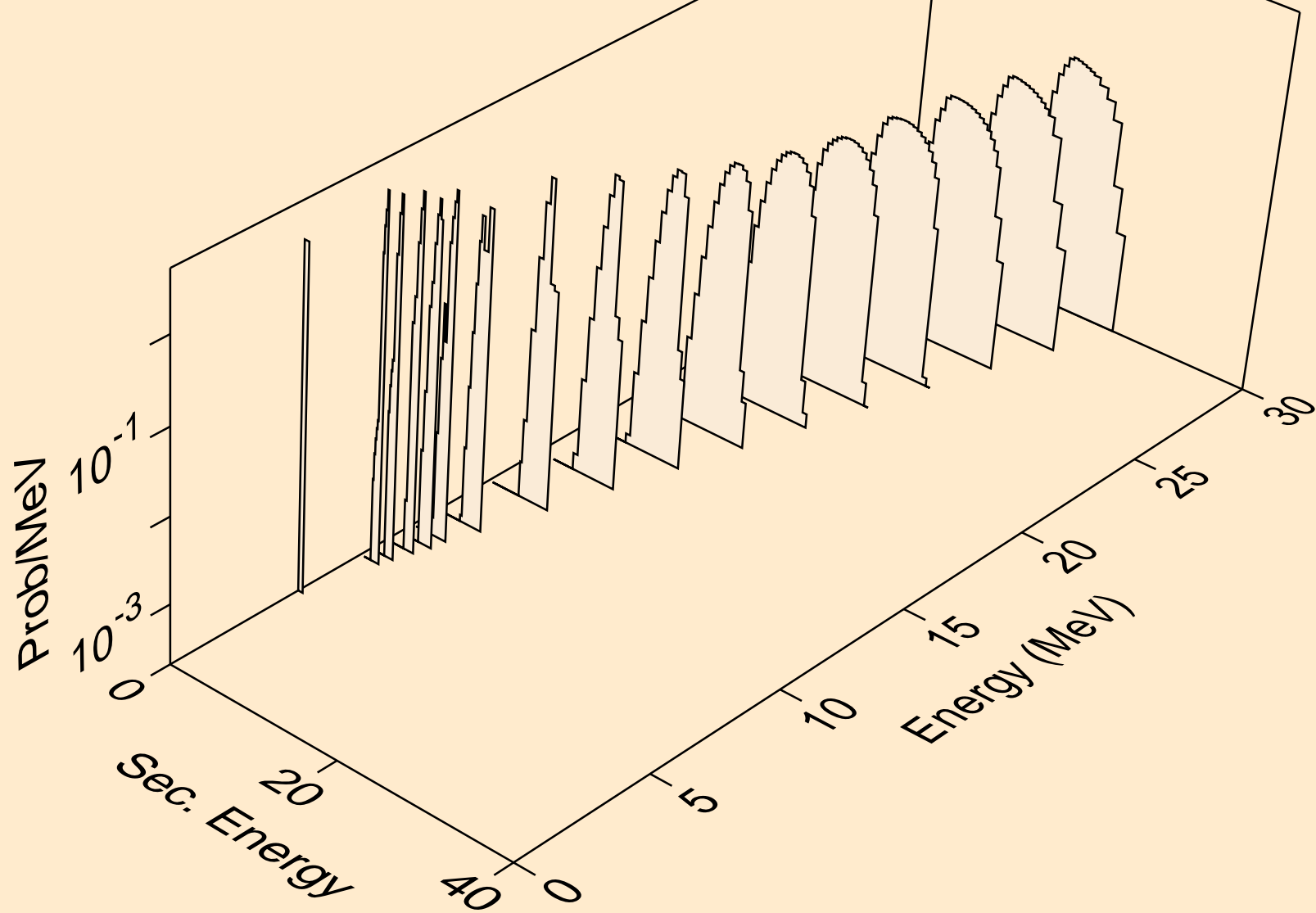




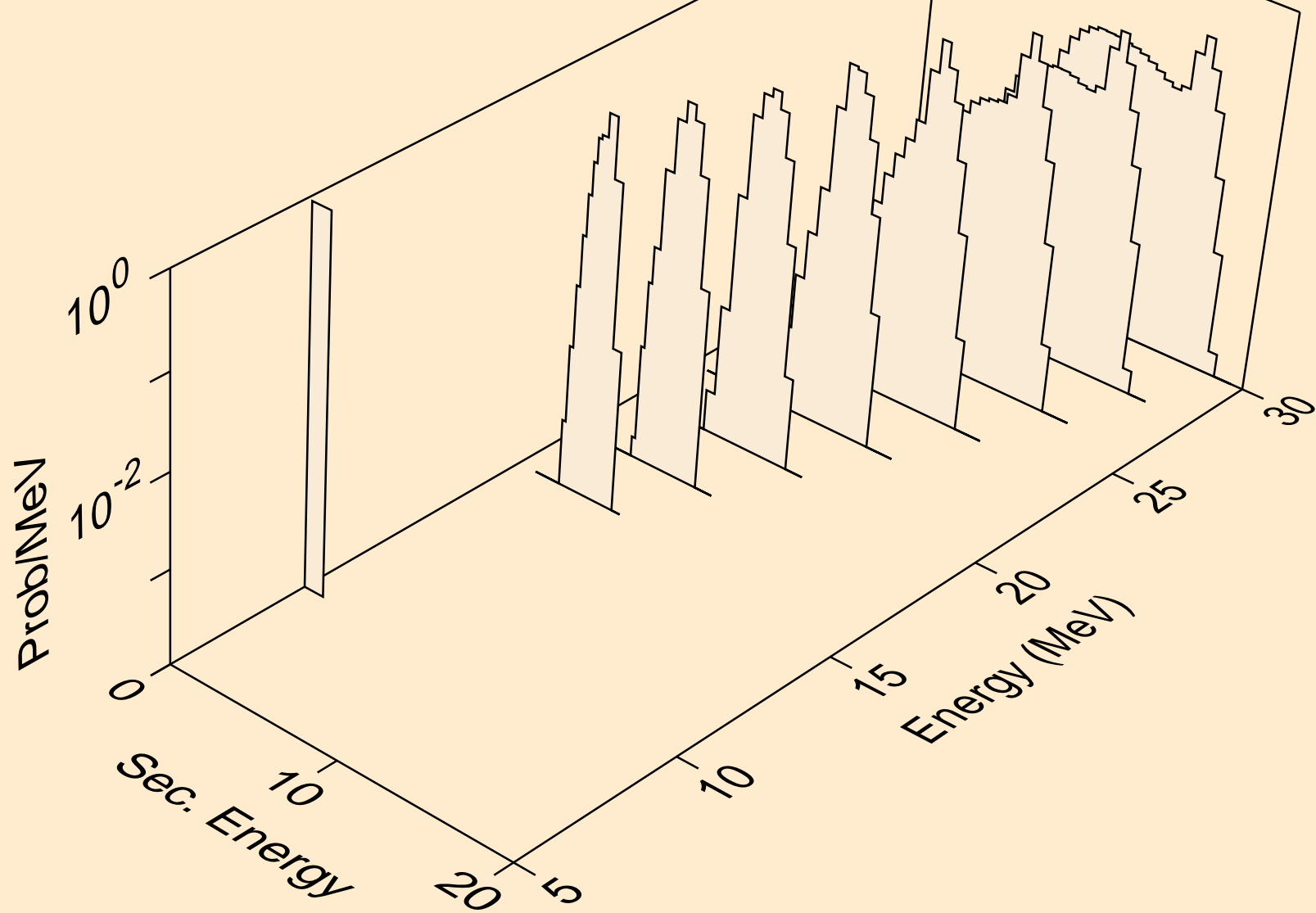
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t



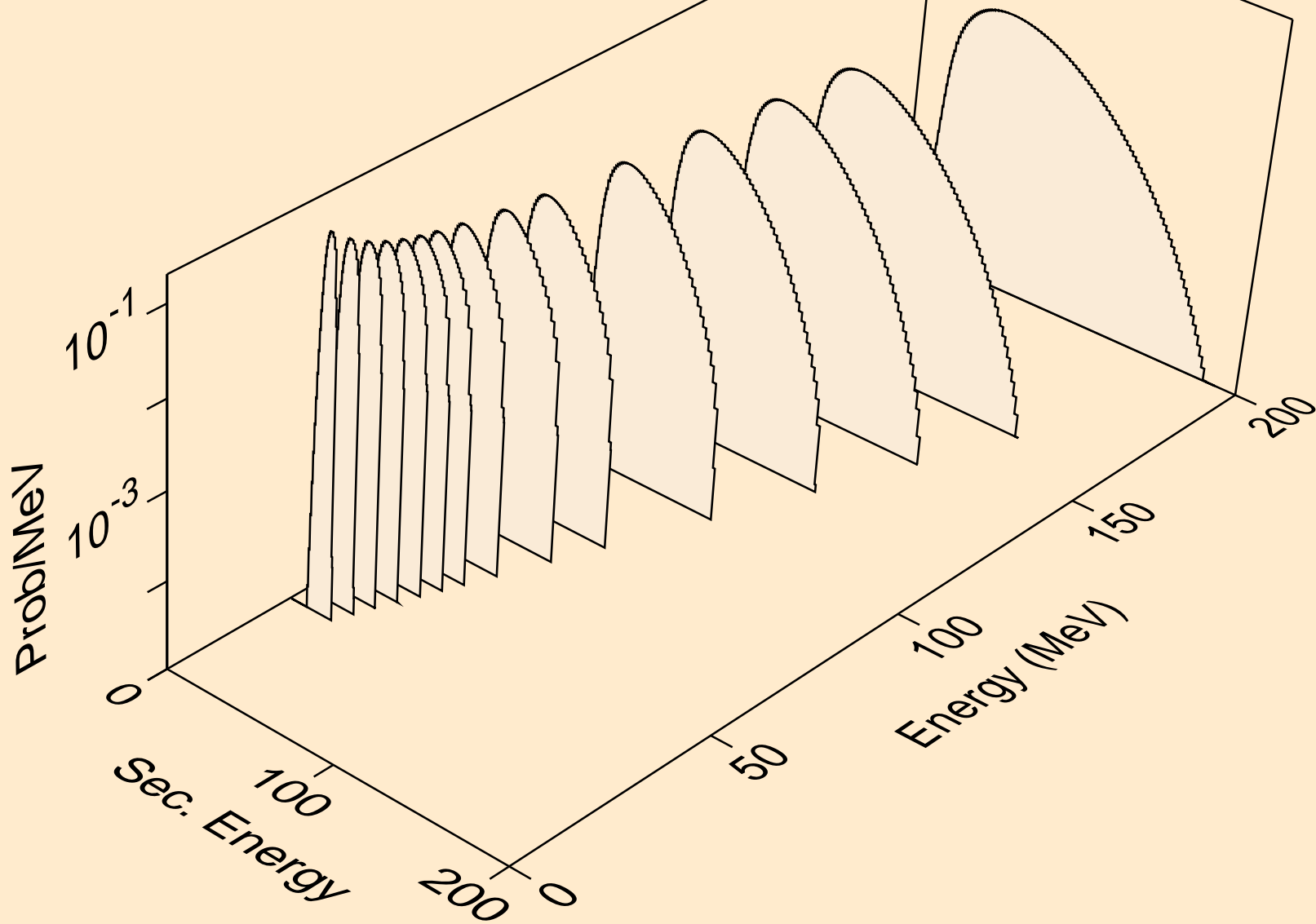
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,t)



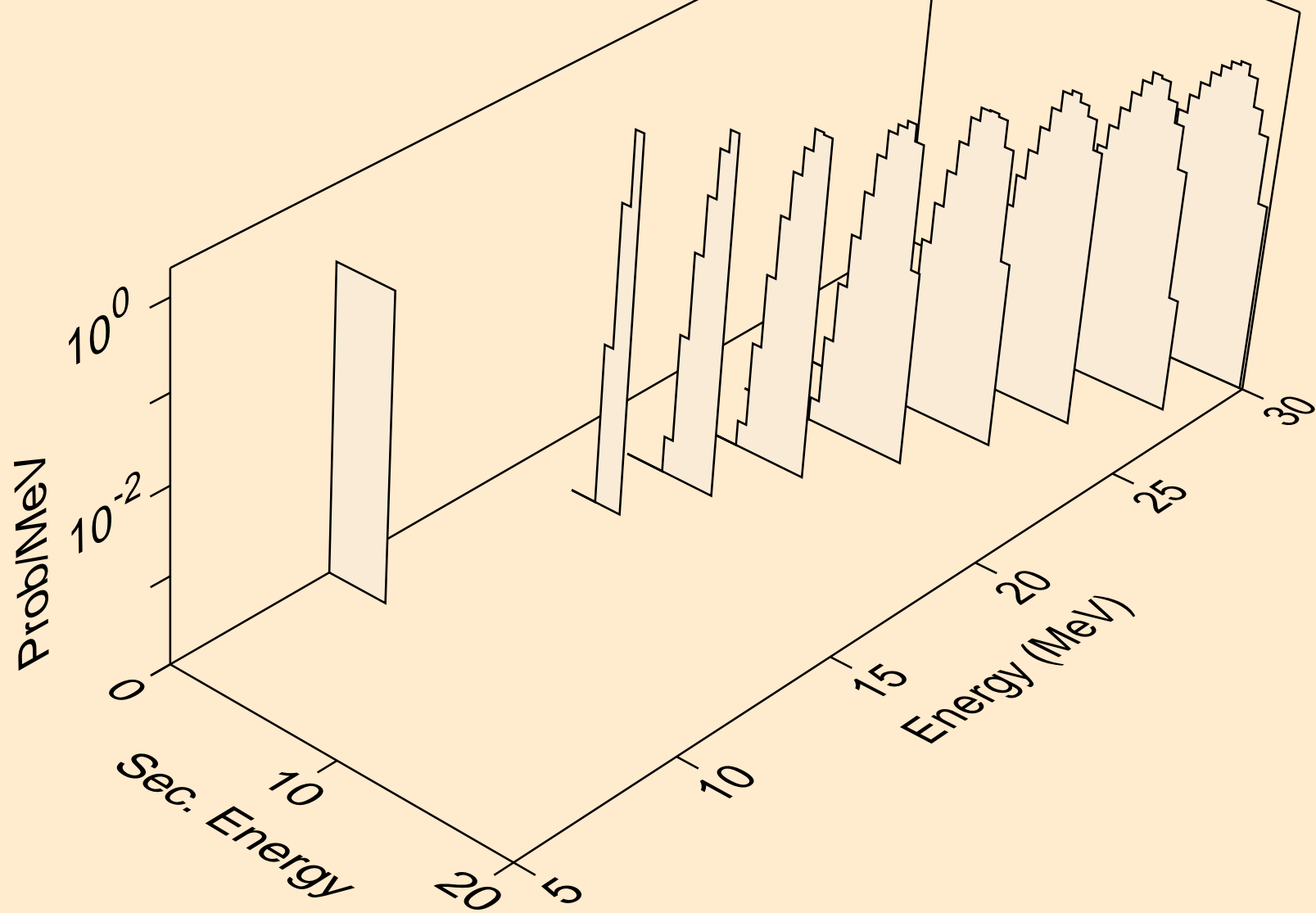
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tritons from (n,pt)



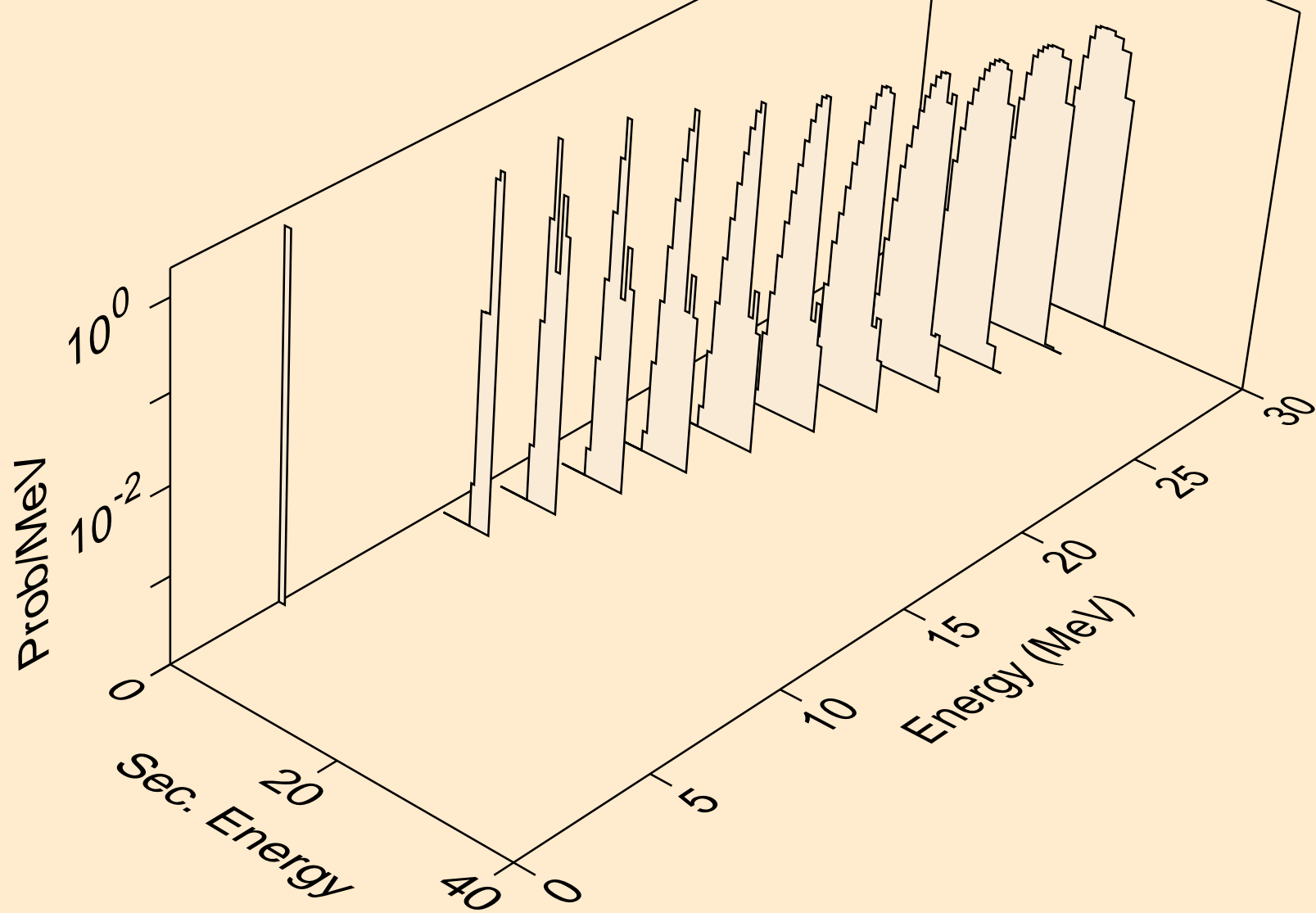
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)



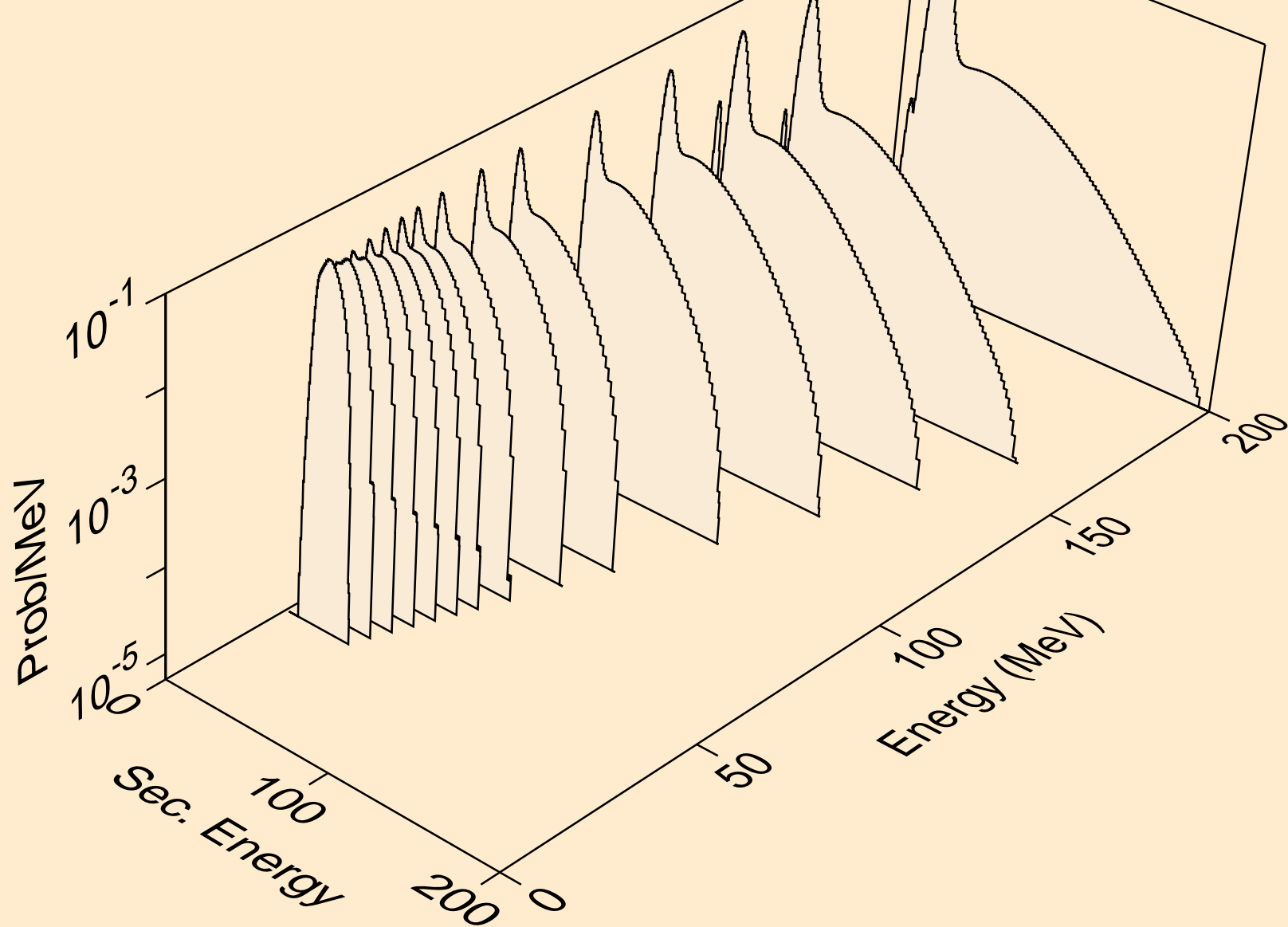
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,n\*)he3



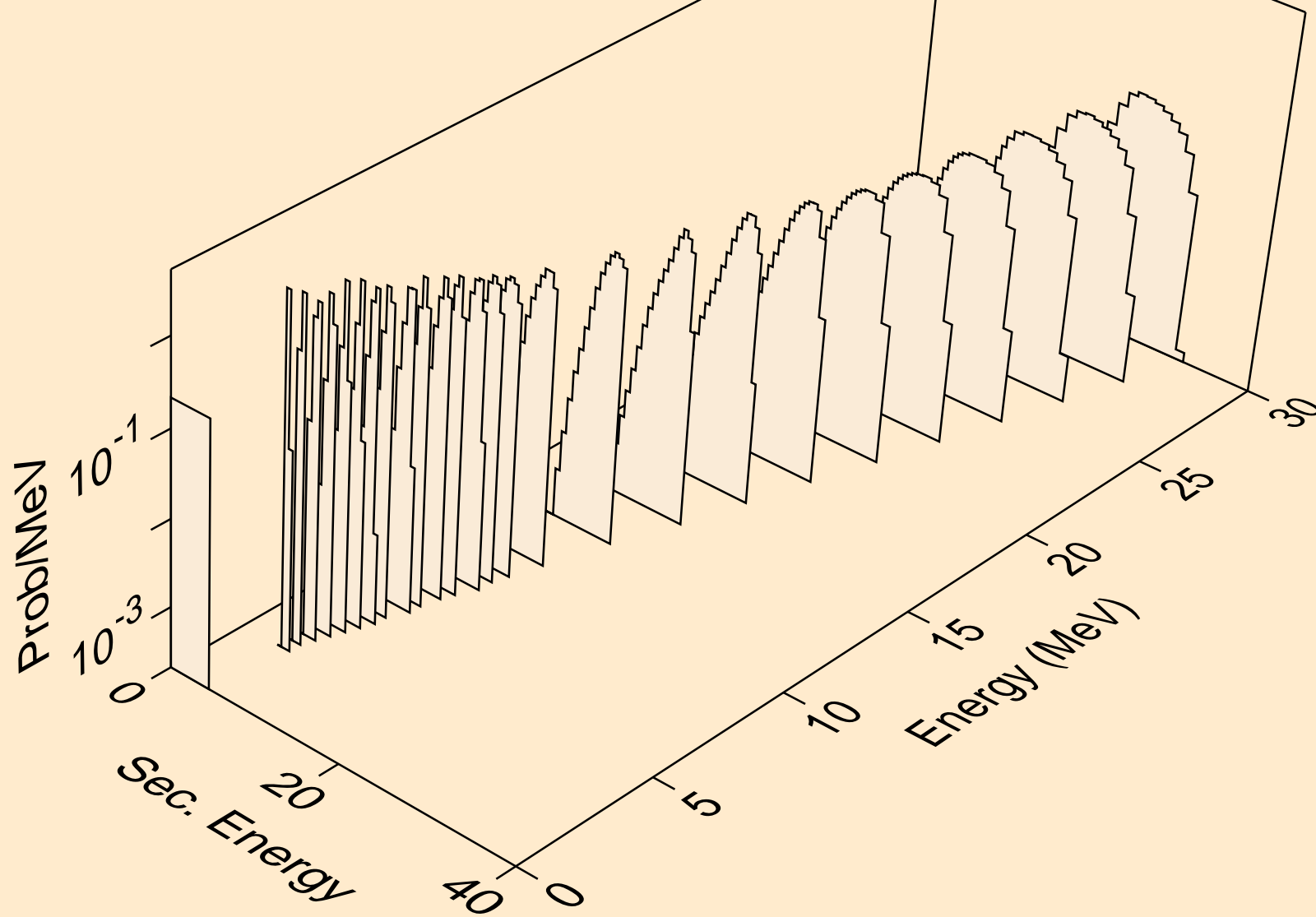
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he3s from (n,he3)



GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)

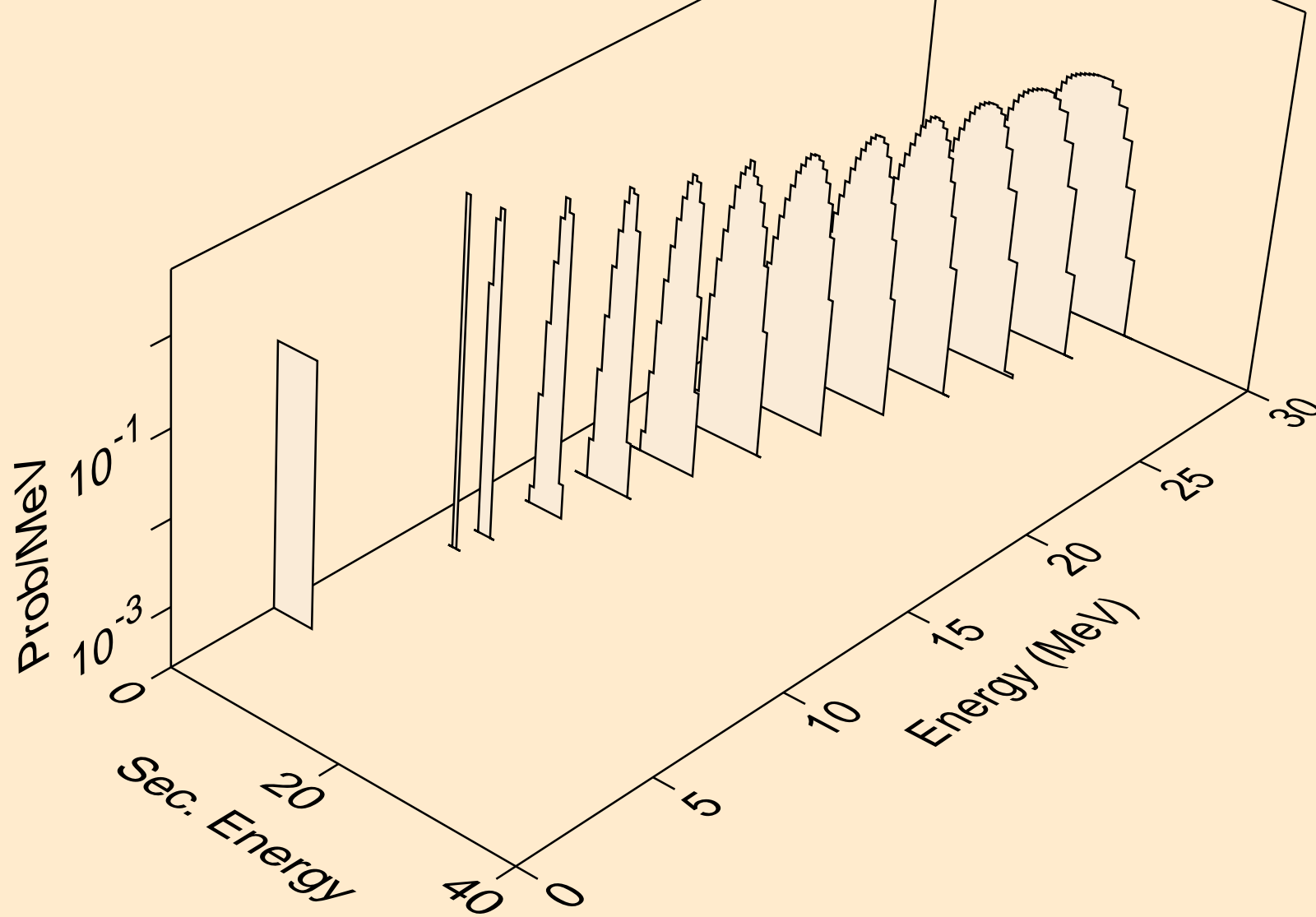


GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a

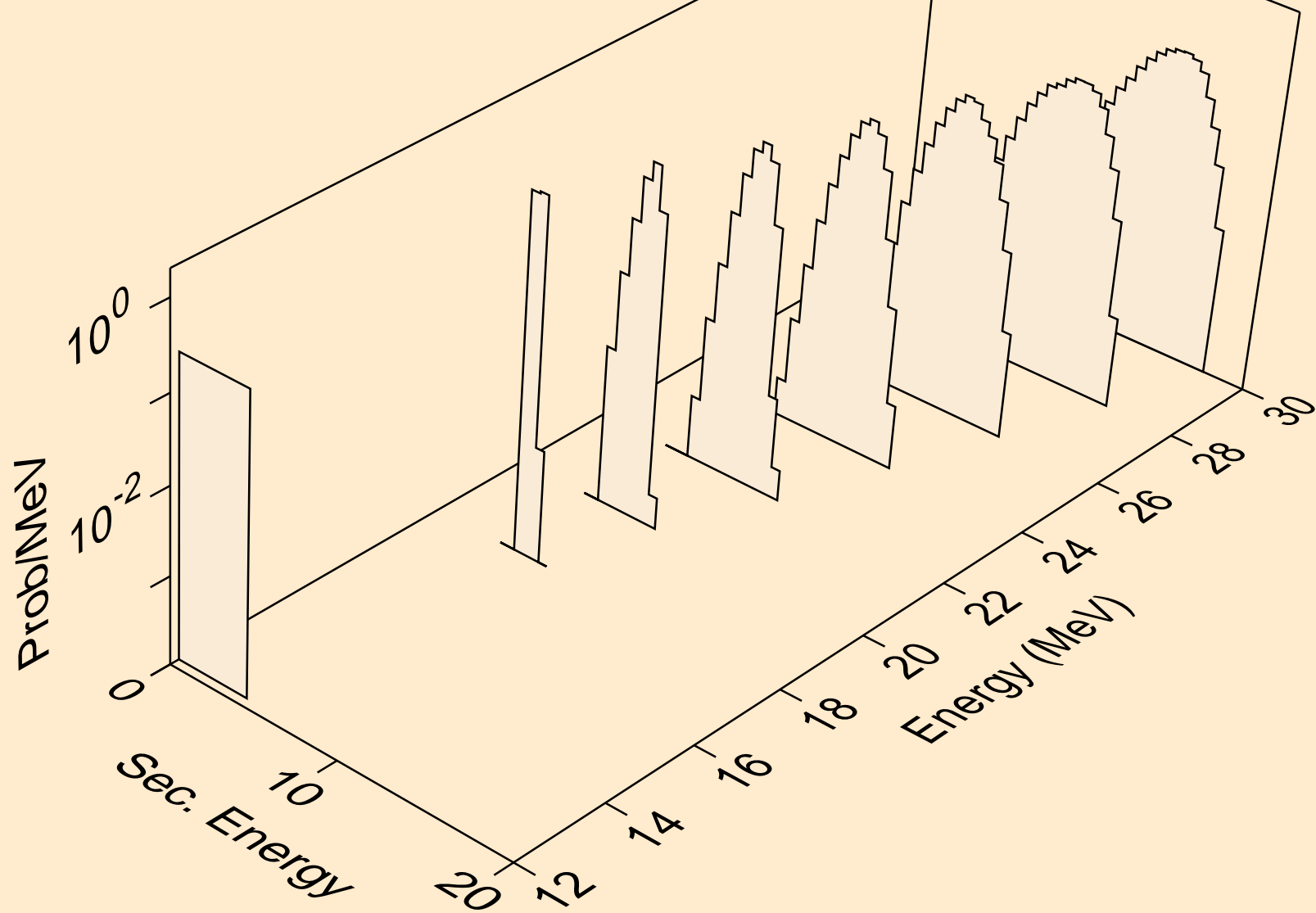




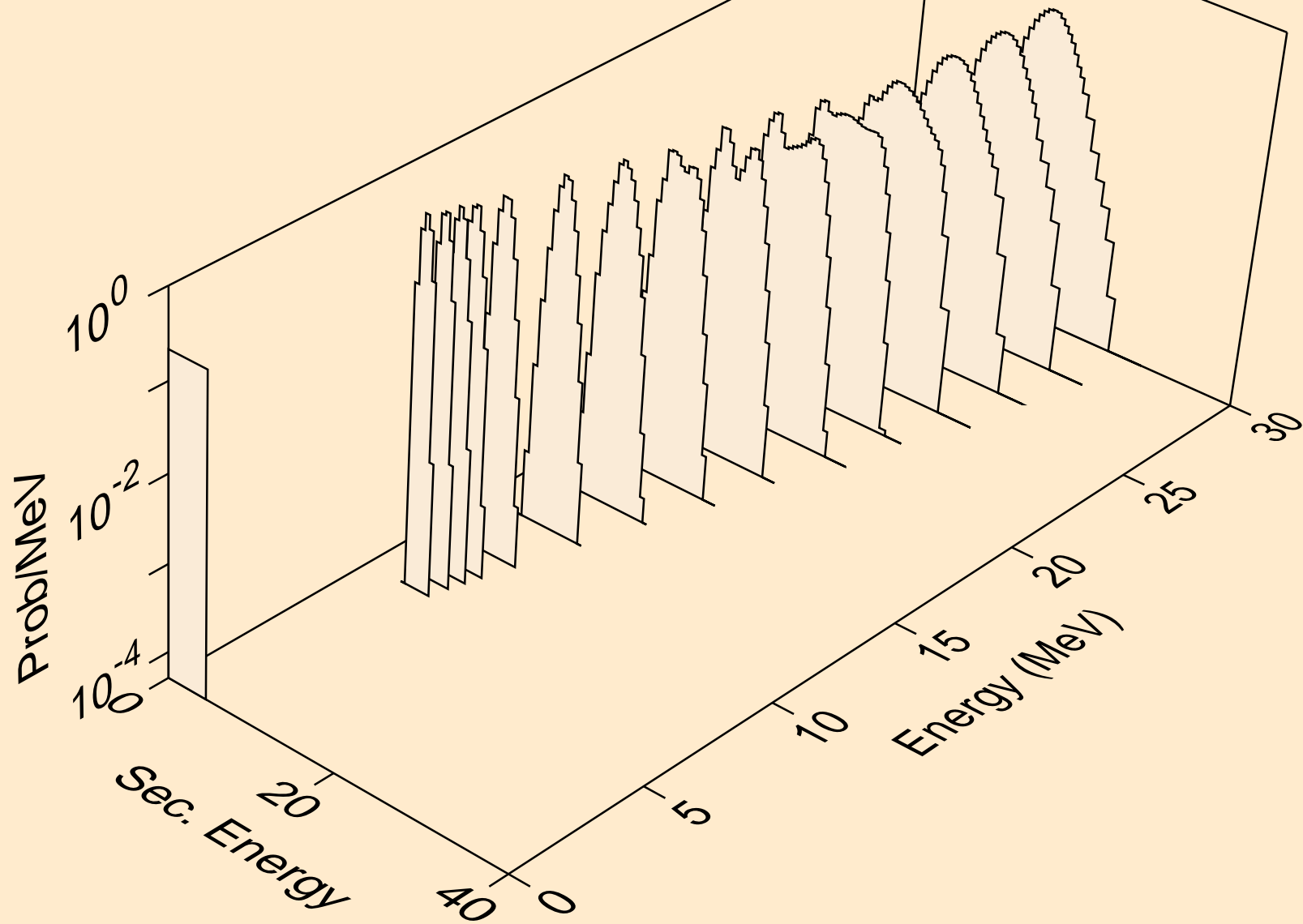
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a



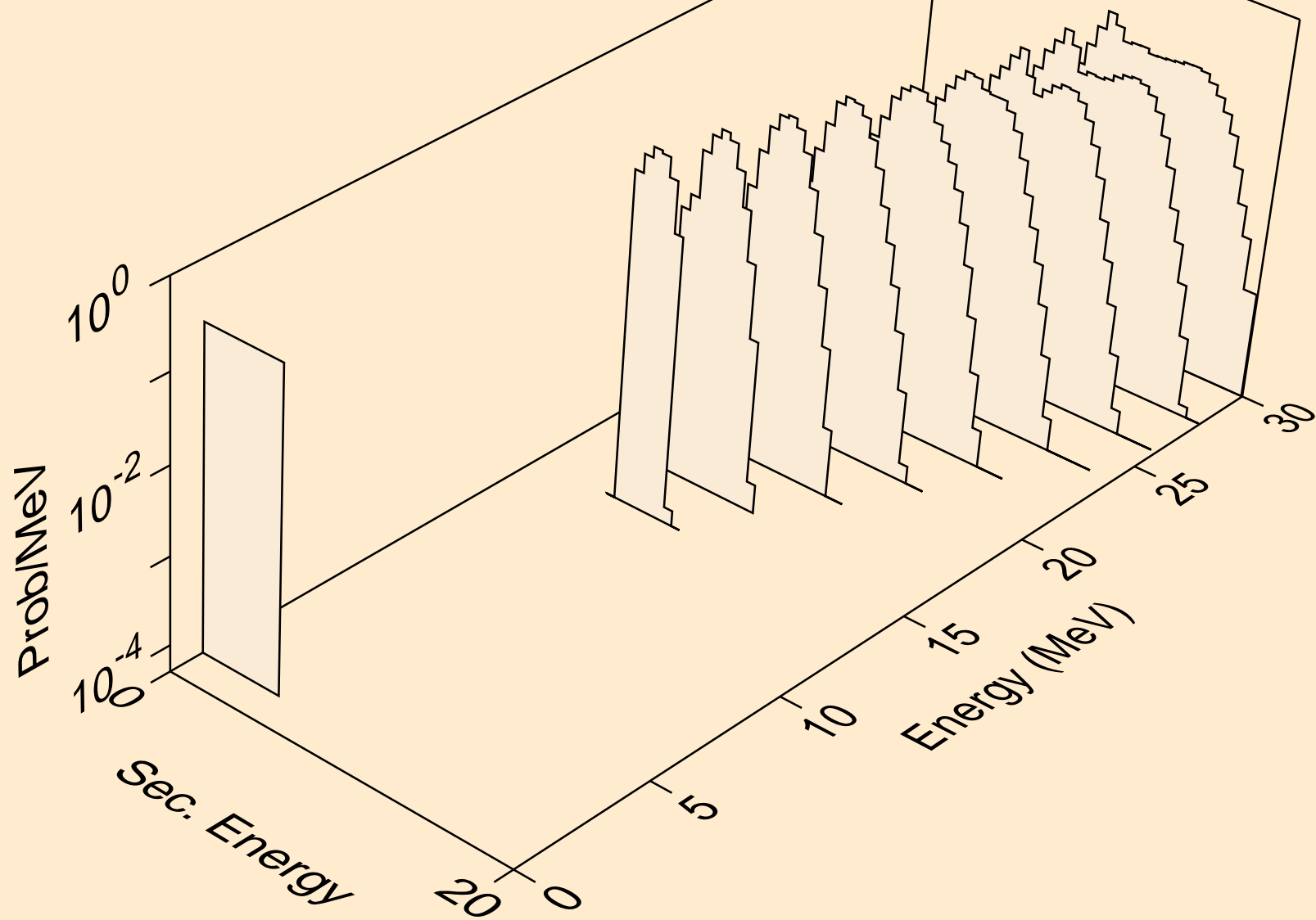
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3n)a



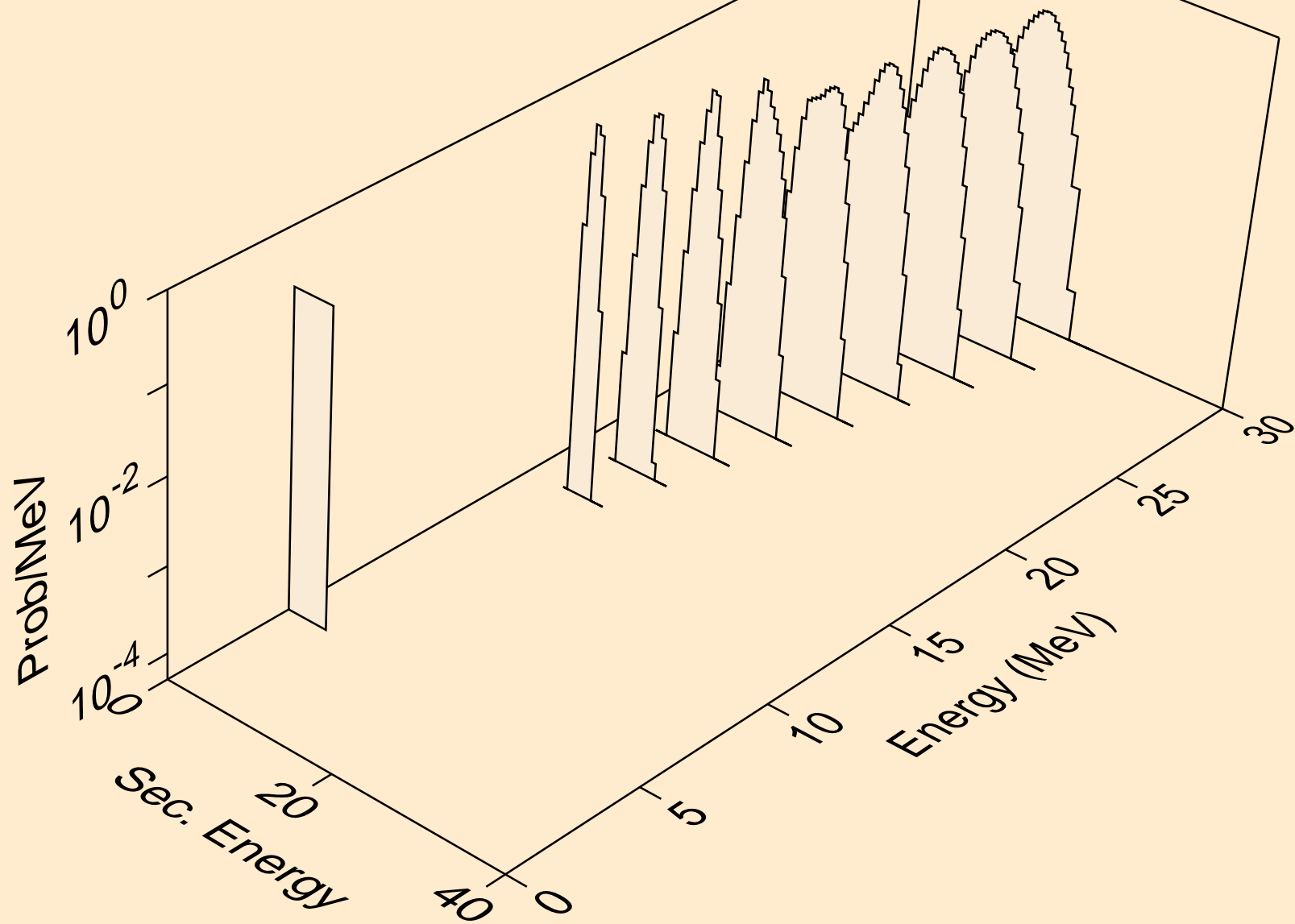
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



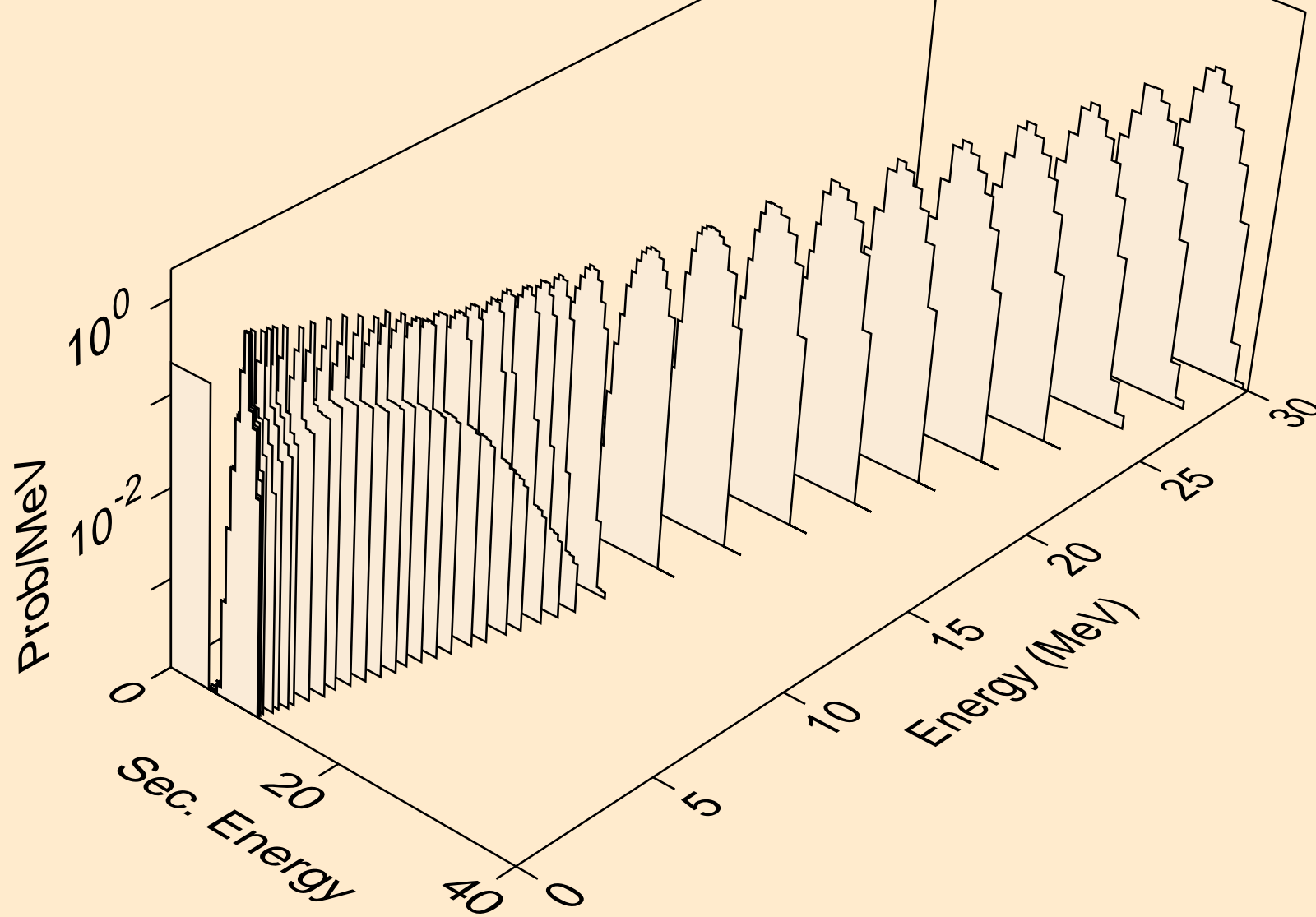
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)2a



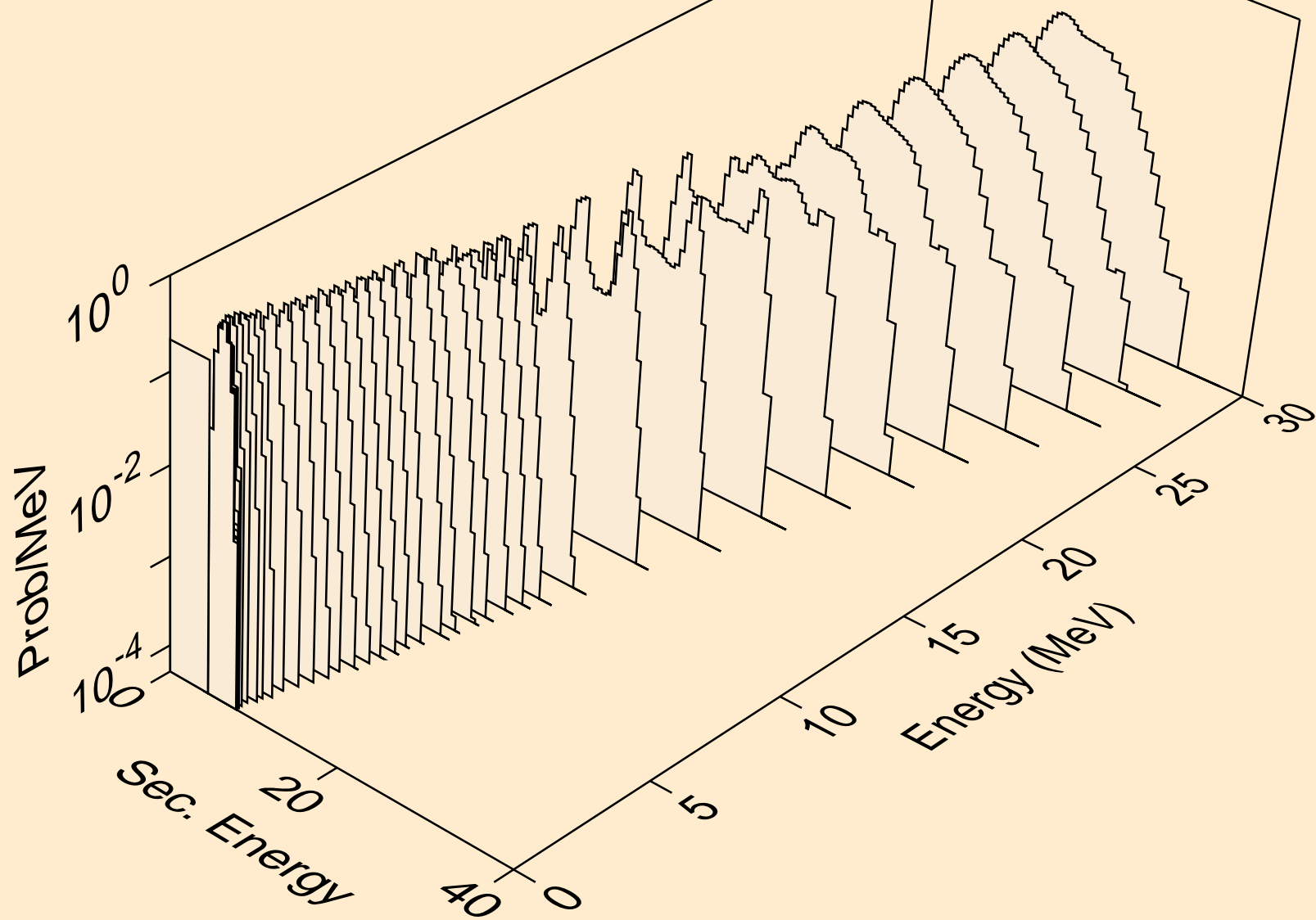
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)



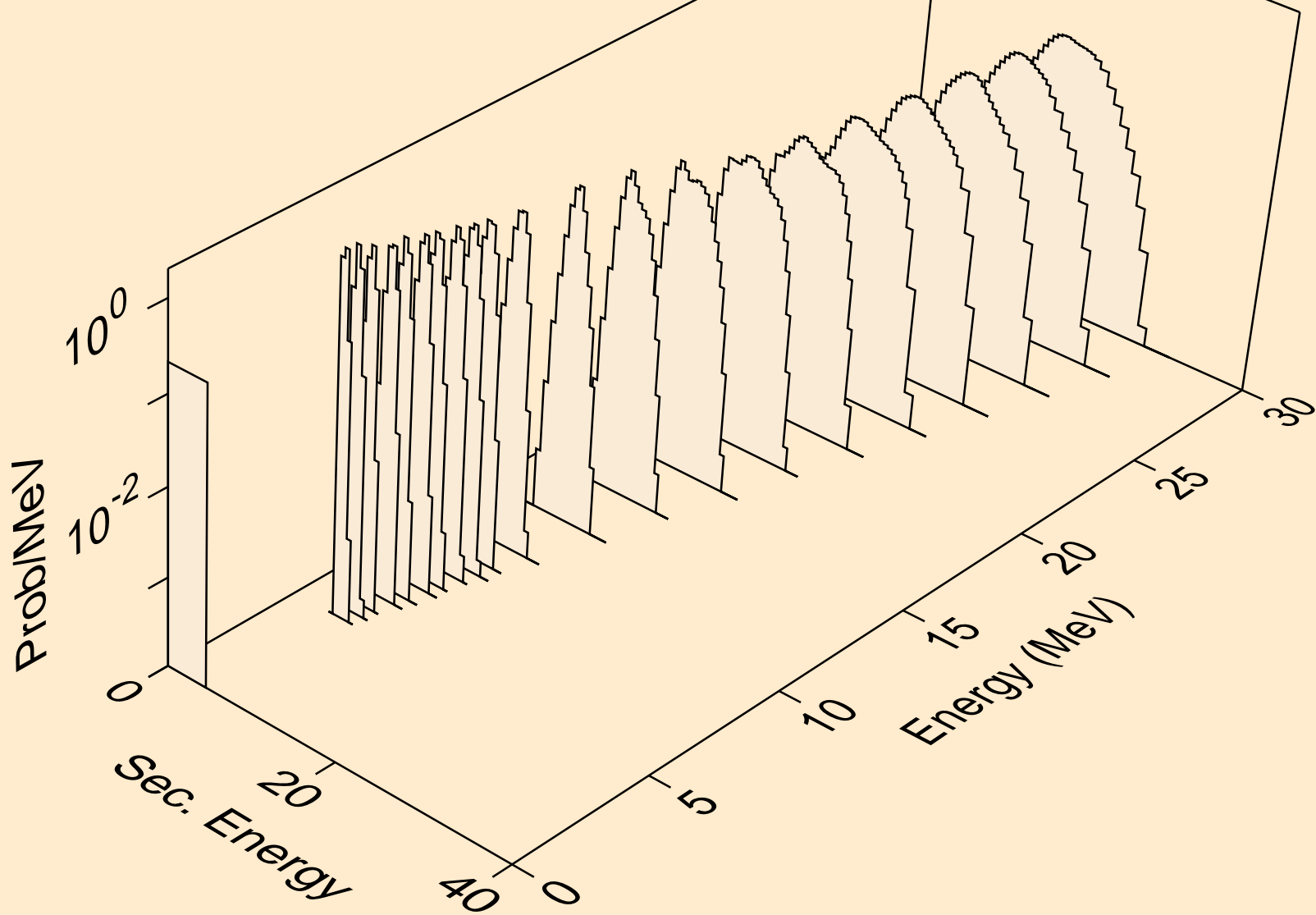
GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)



GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)





GD151 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

