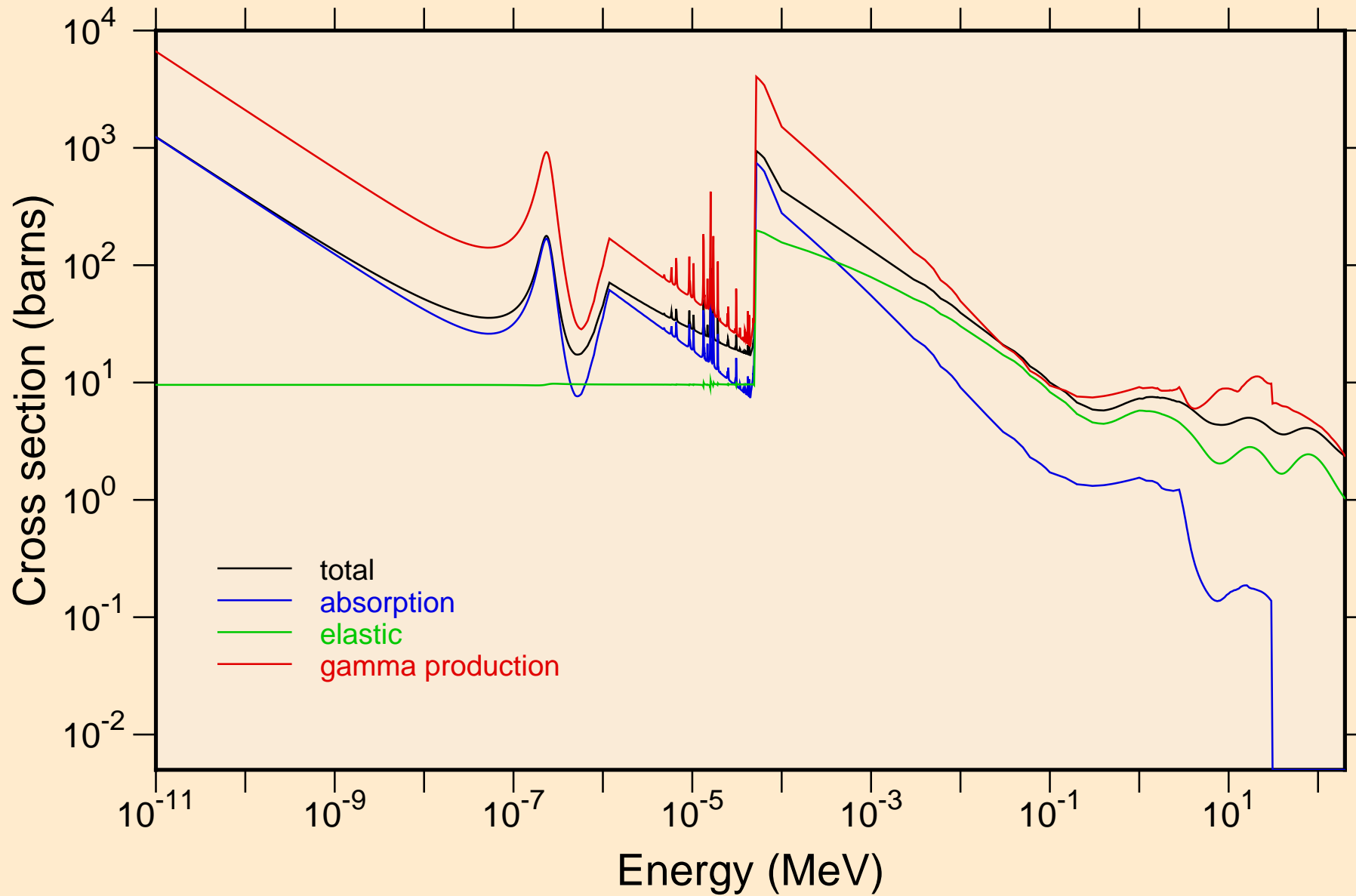
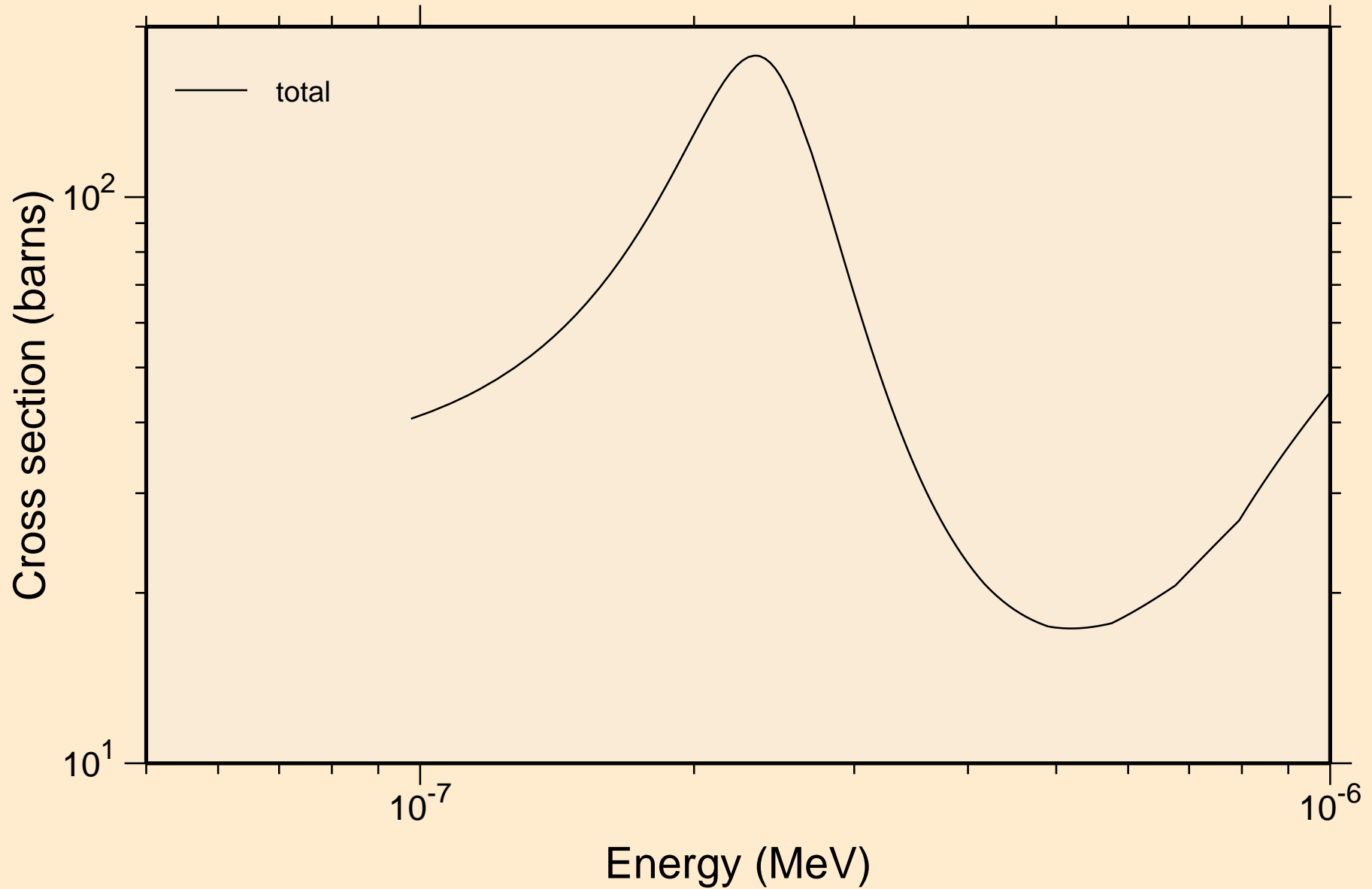


# DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

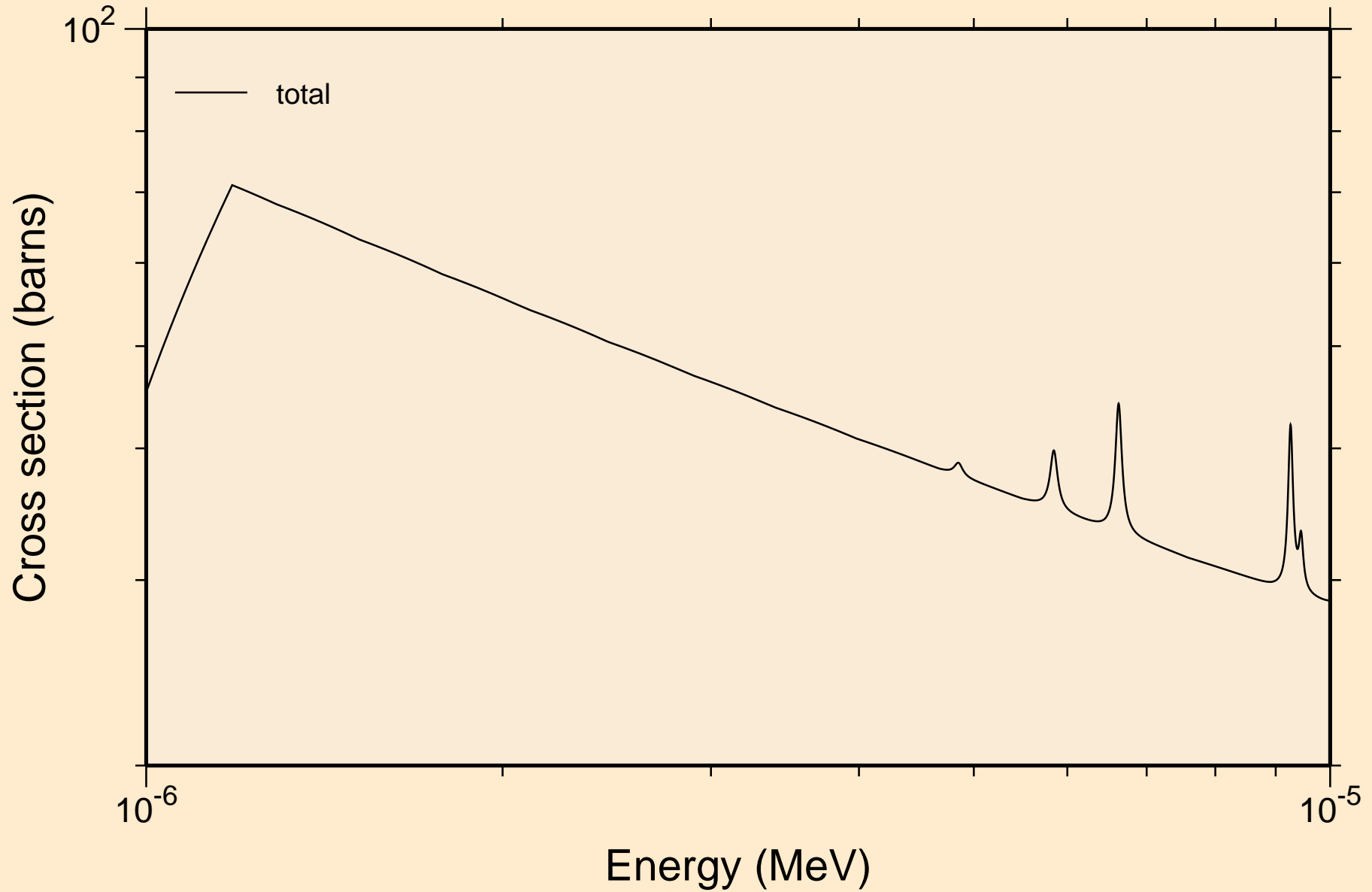
## Principal cross sections



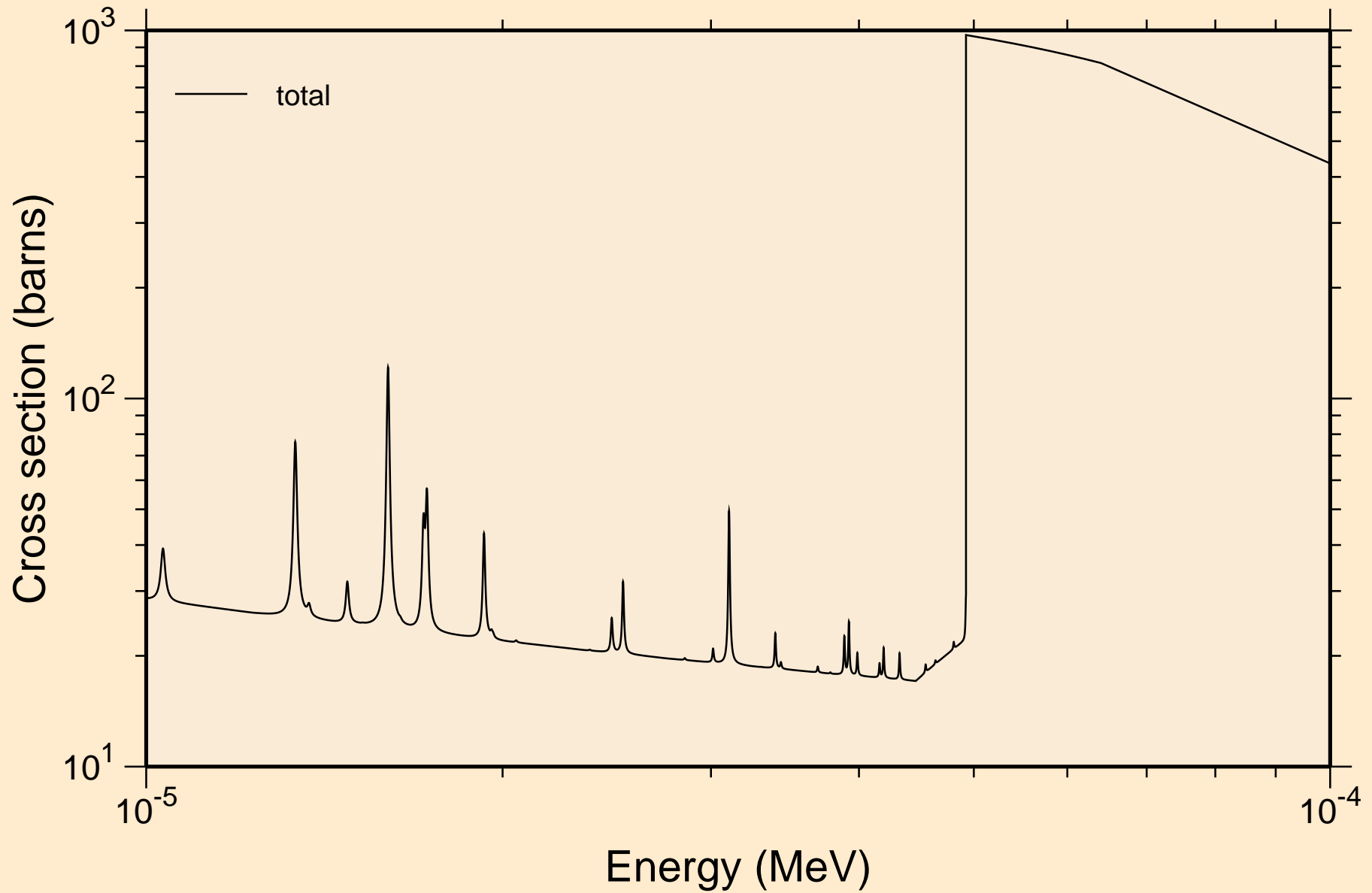
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resonance total cross section



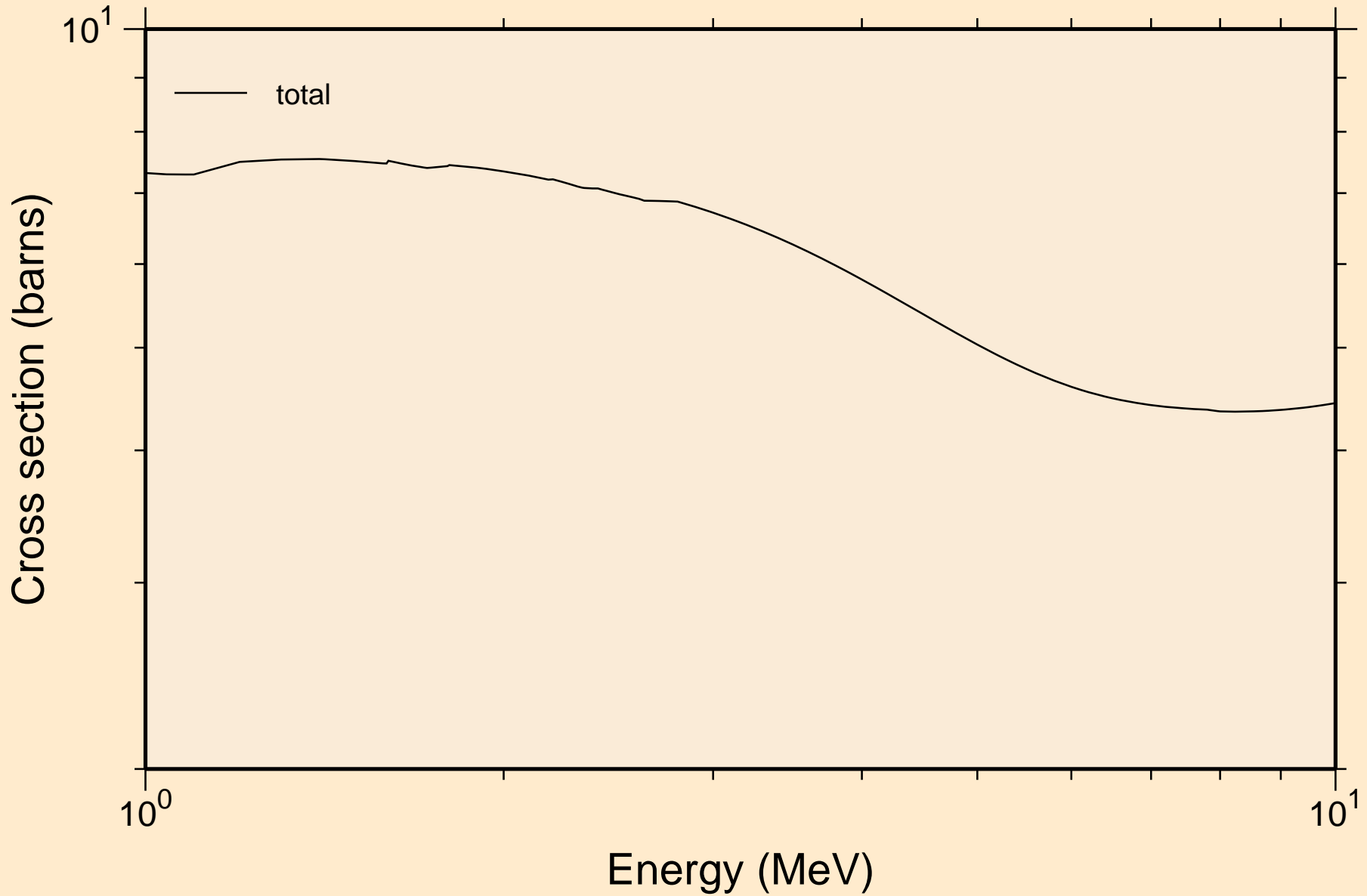
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resonance total cross section



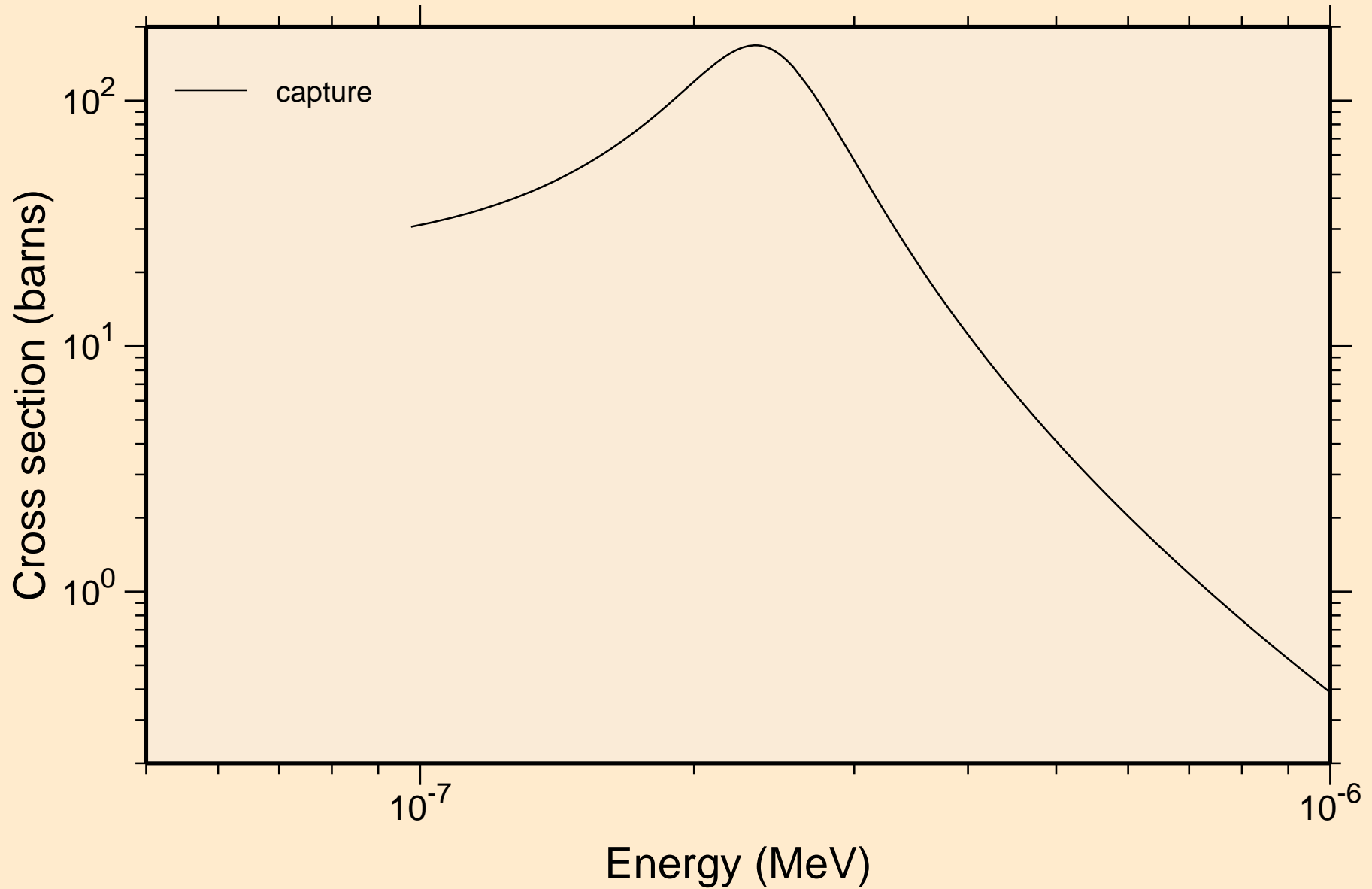
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resonance total cross section



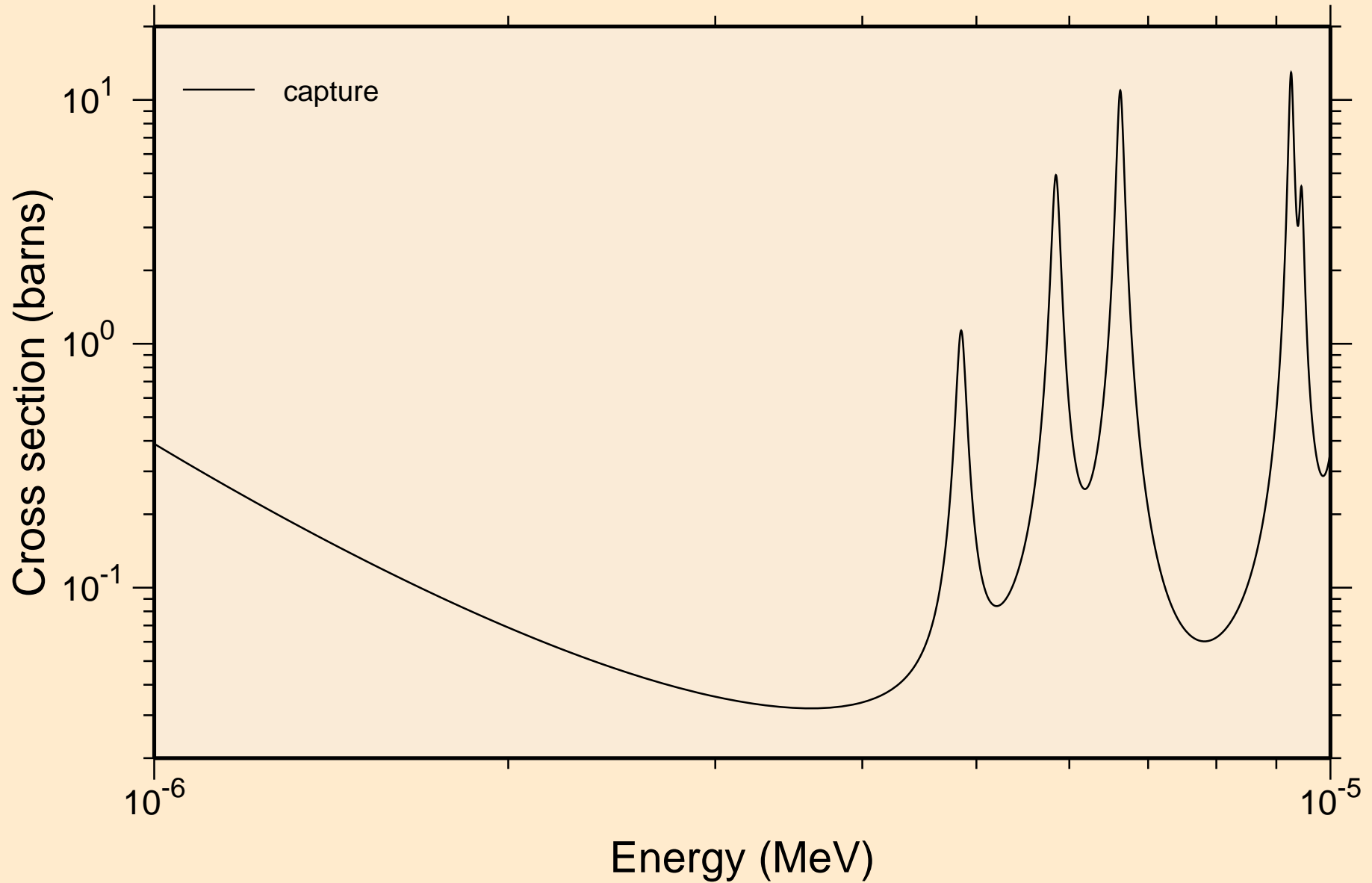
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resonance total cross section



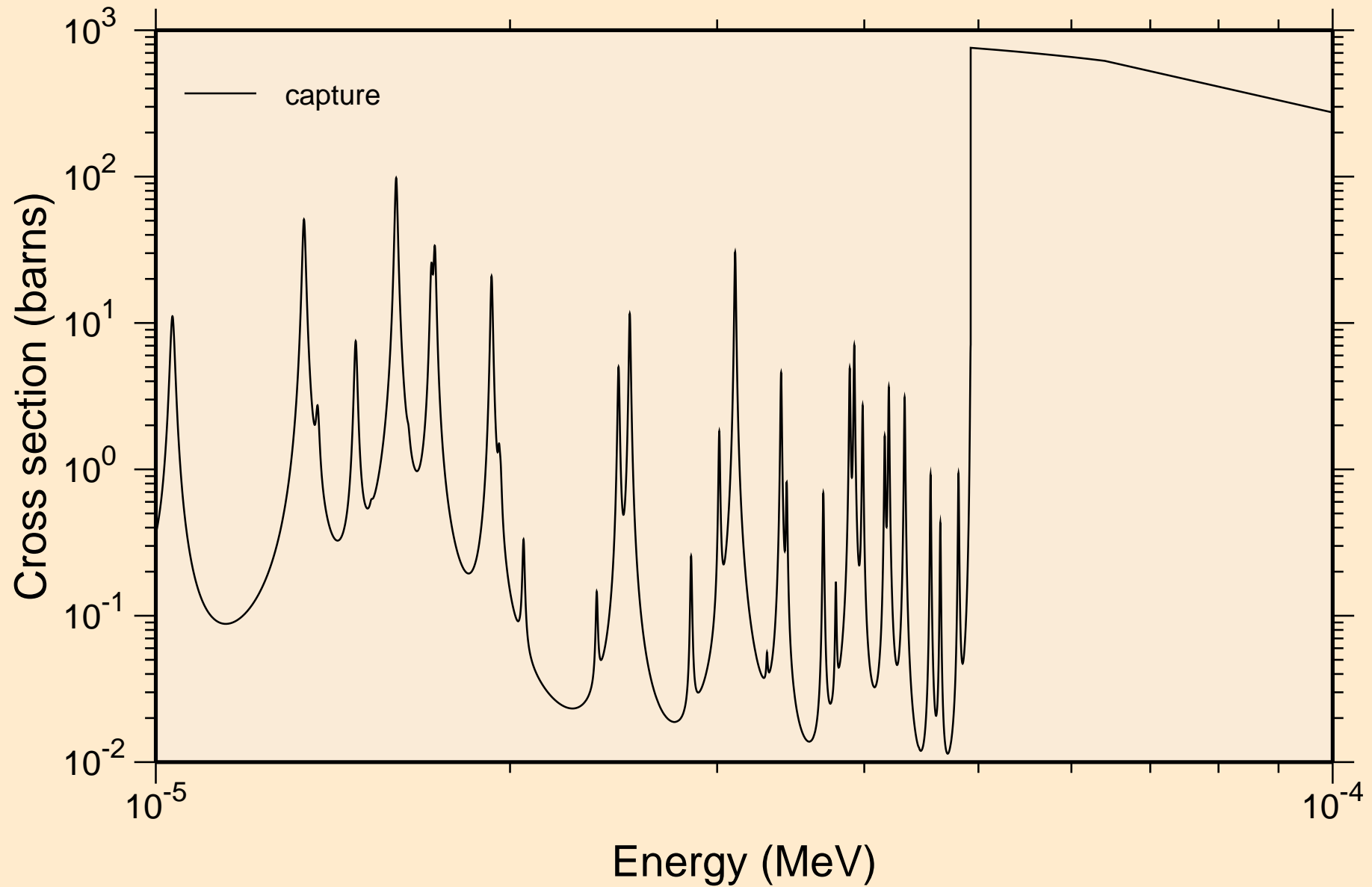
DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

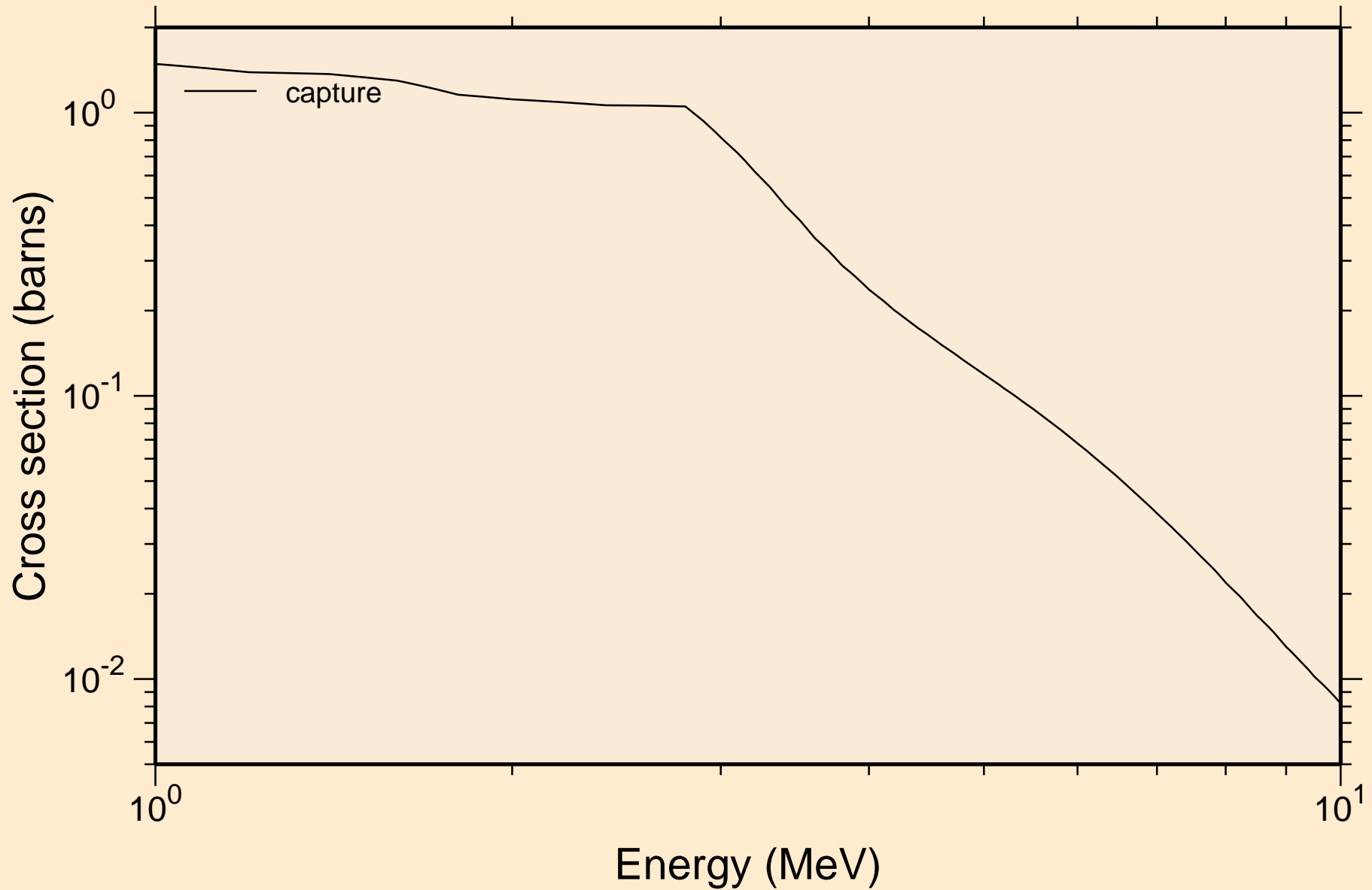


DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



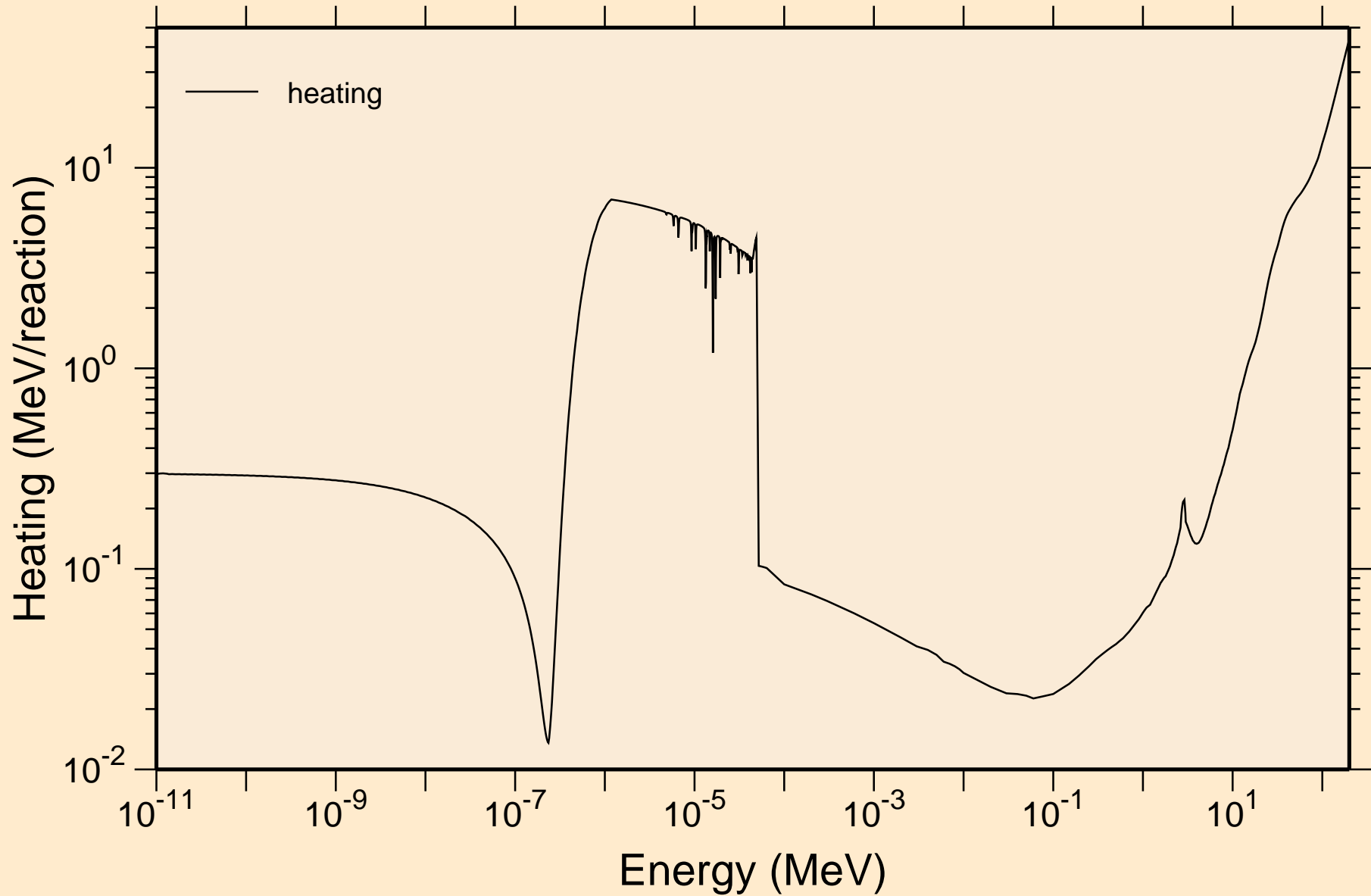


DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

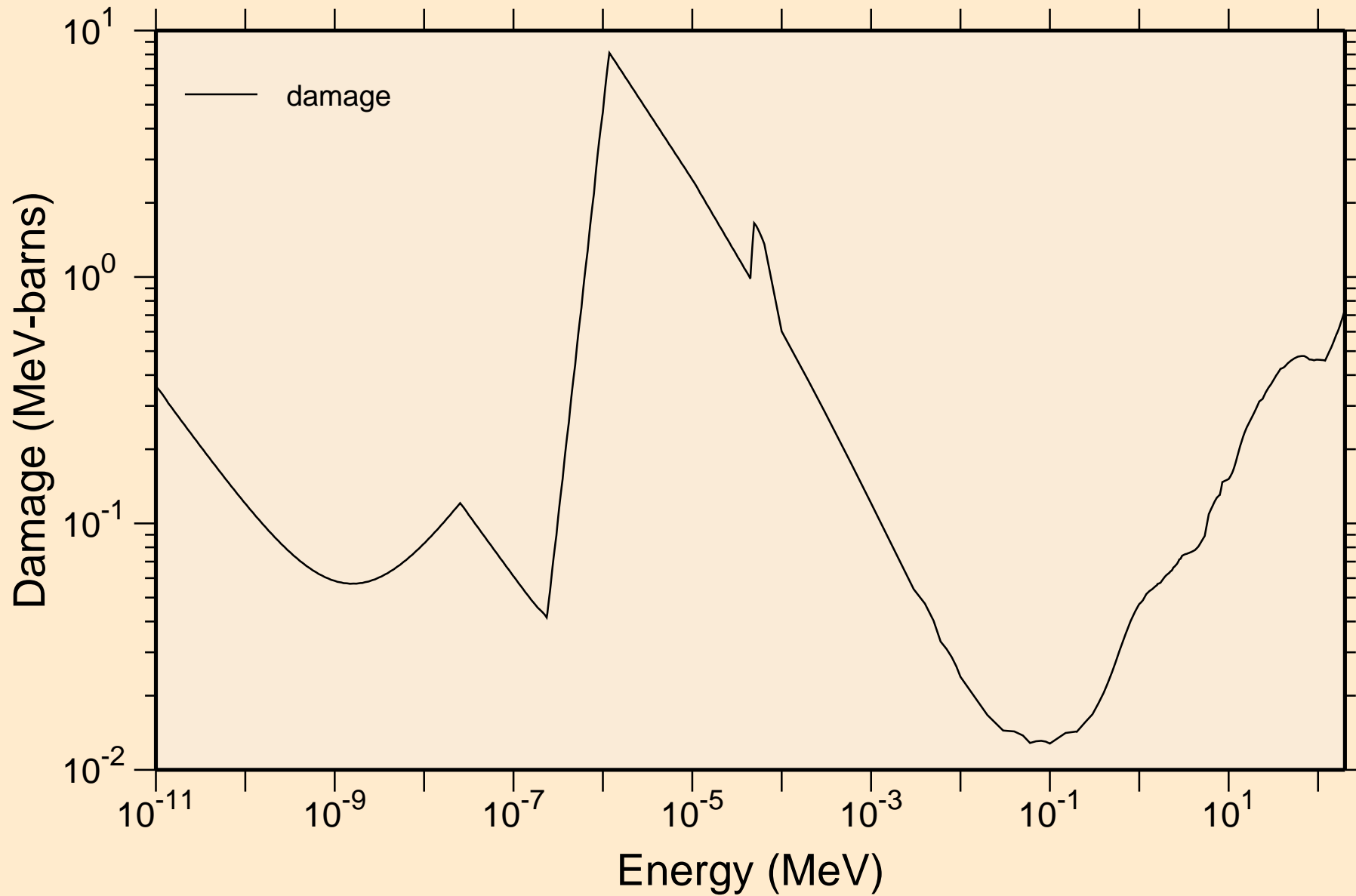


# DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

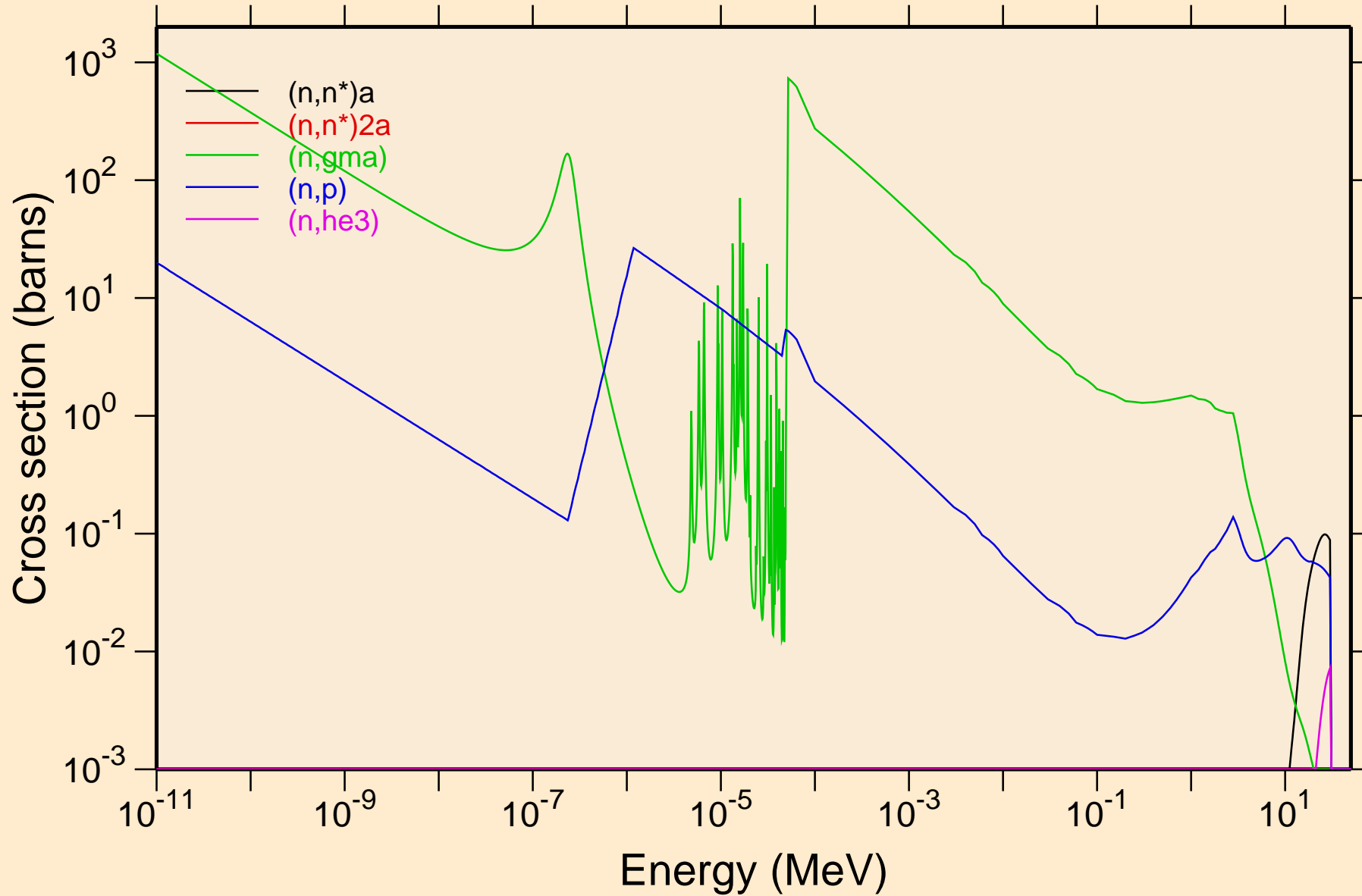
## Heating



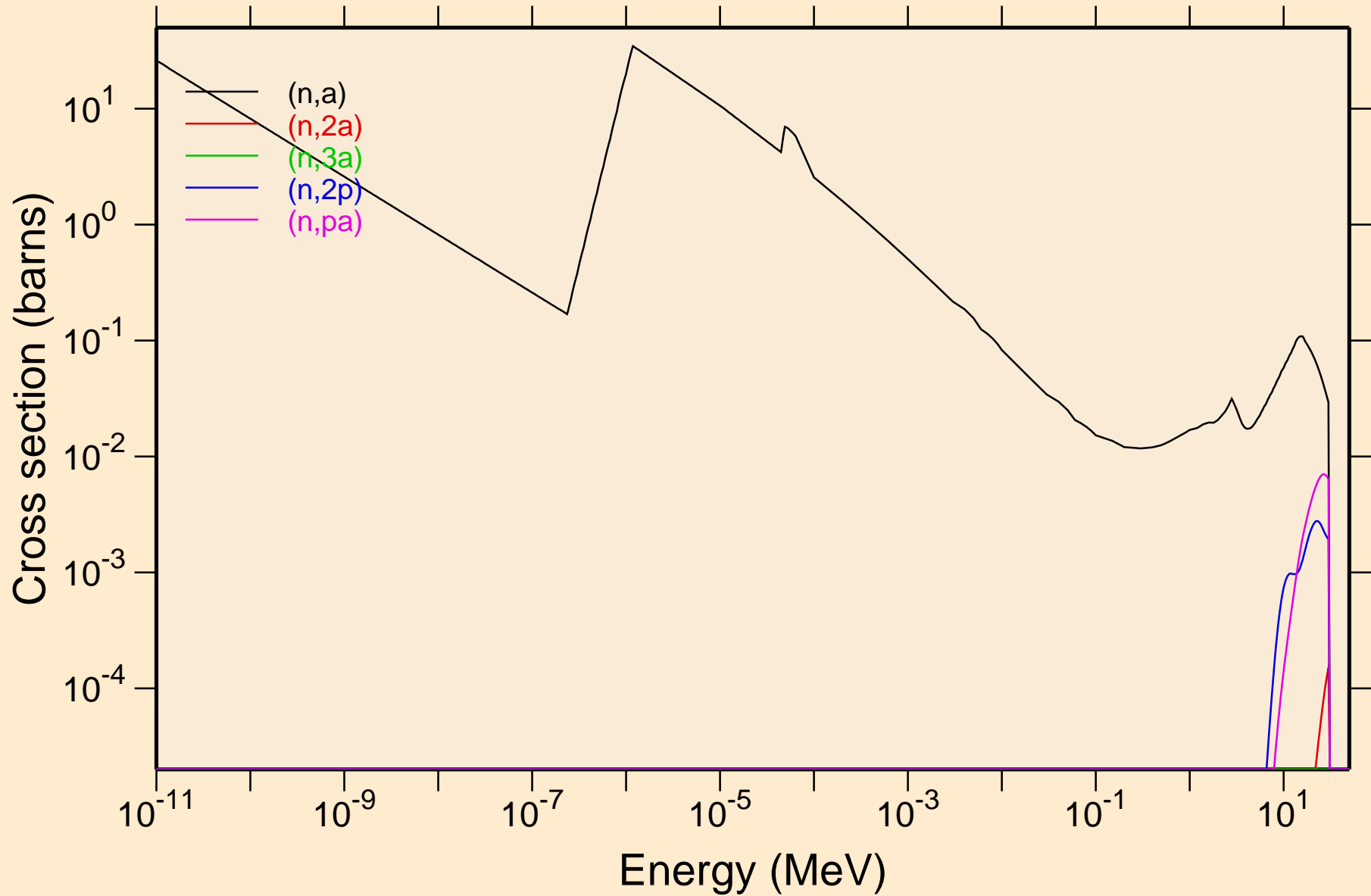
DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



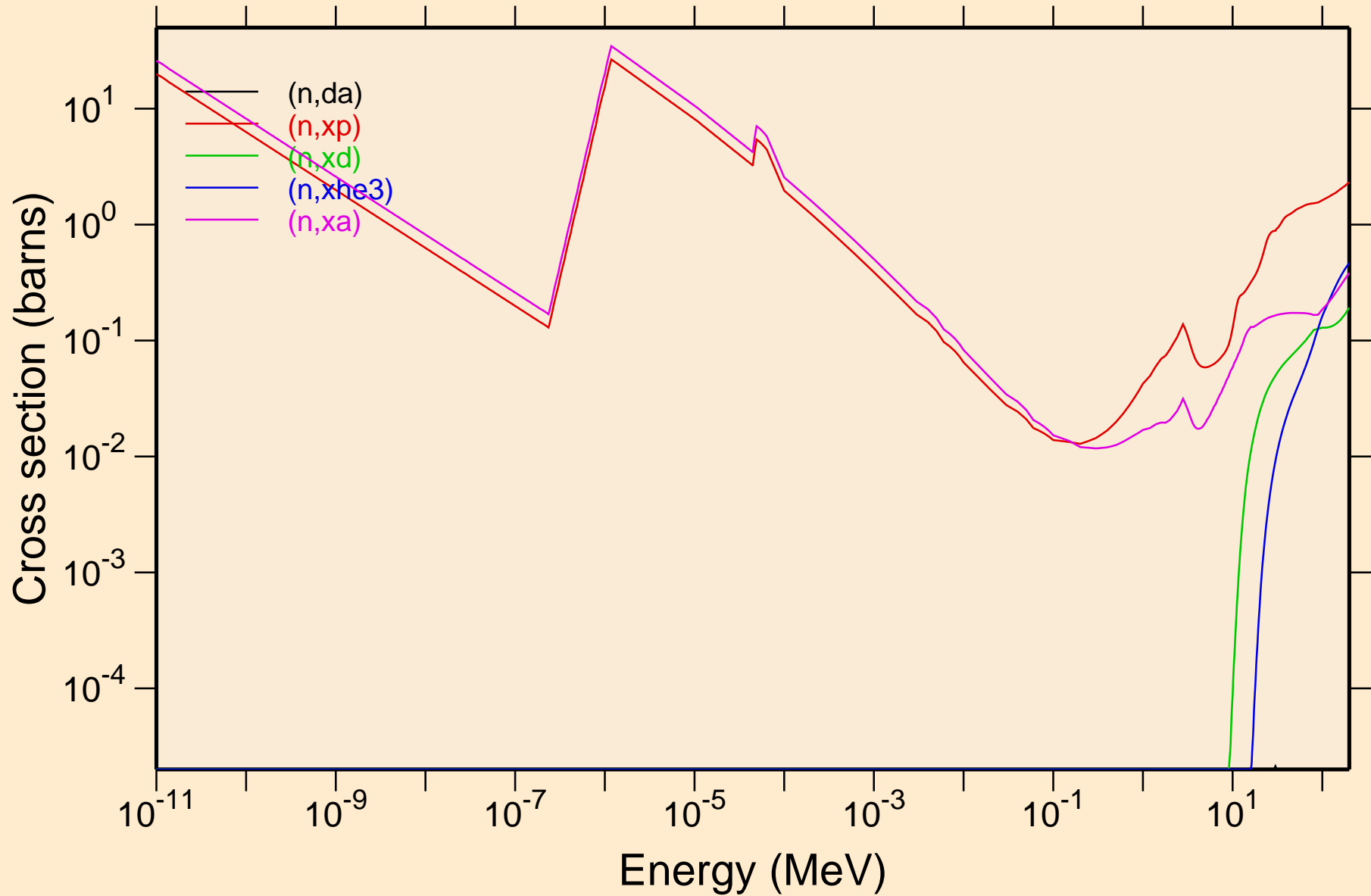
DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

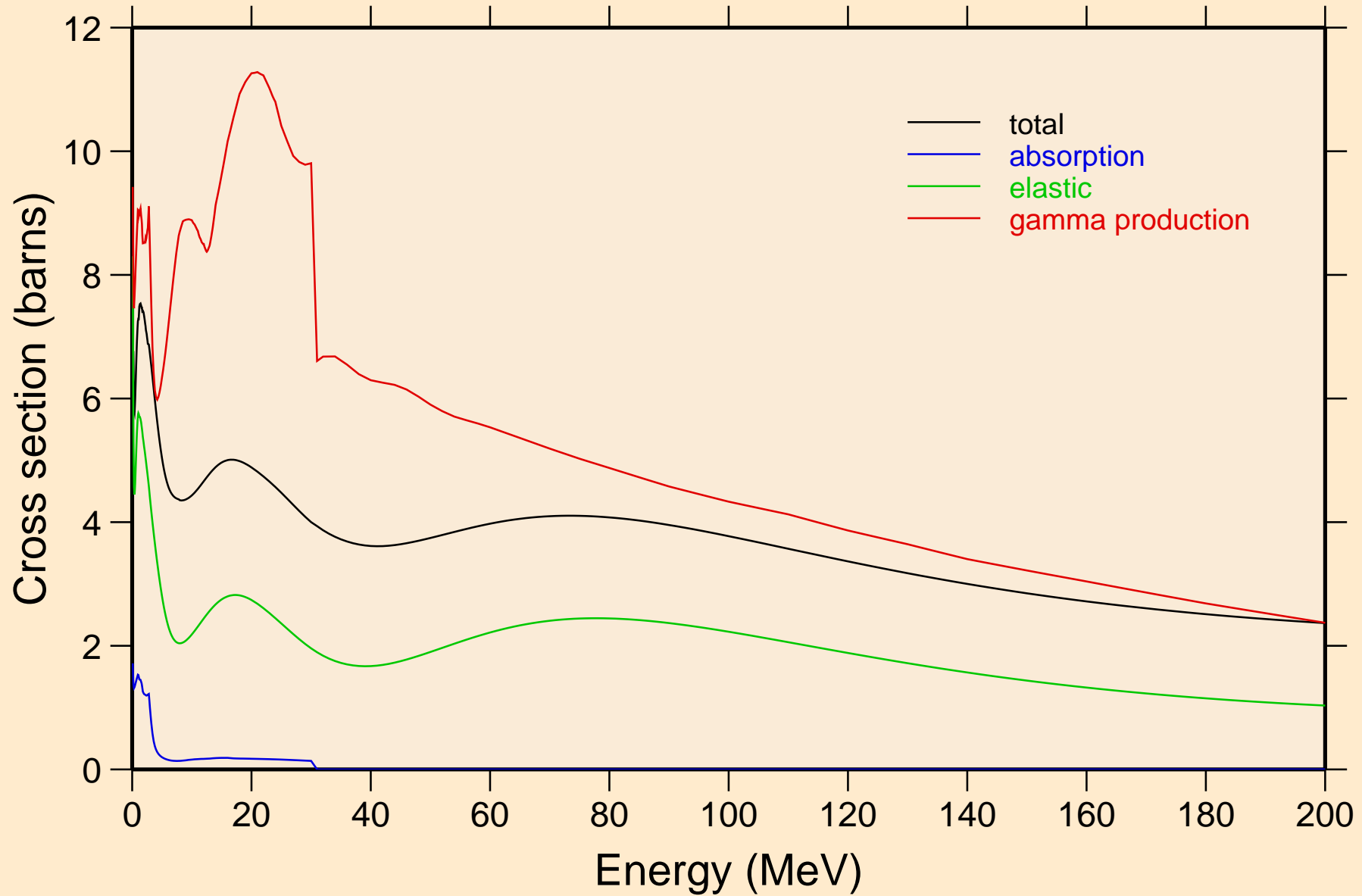


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Non-threshold reactions



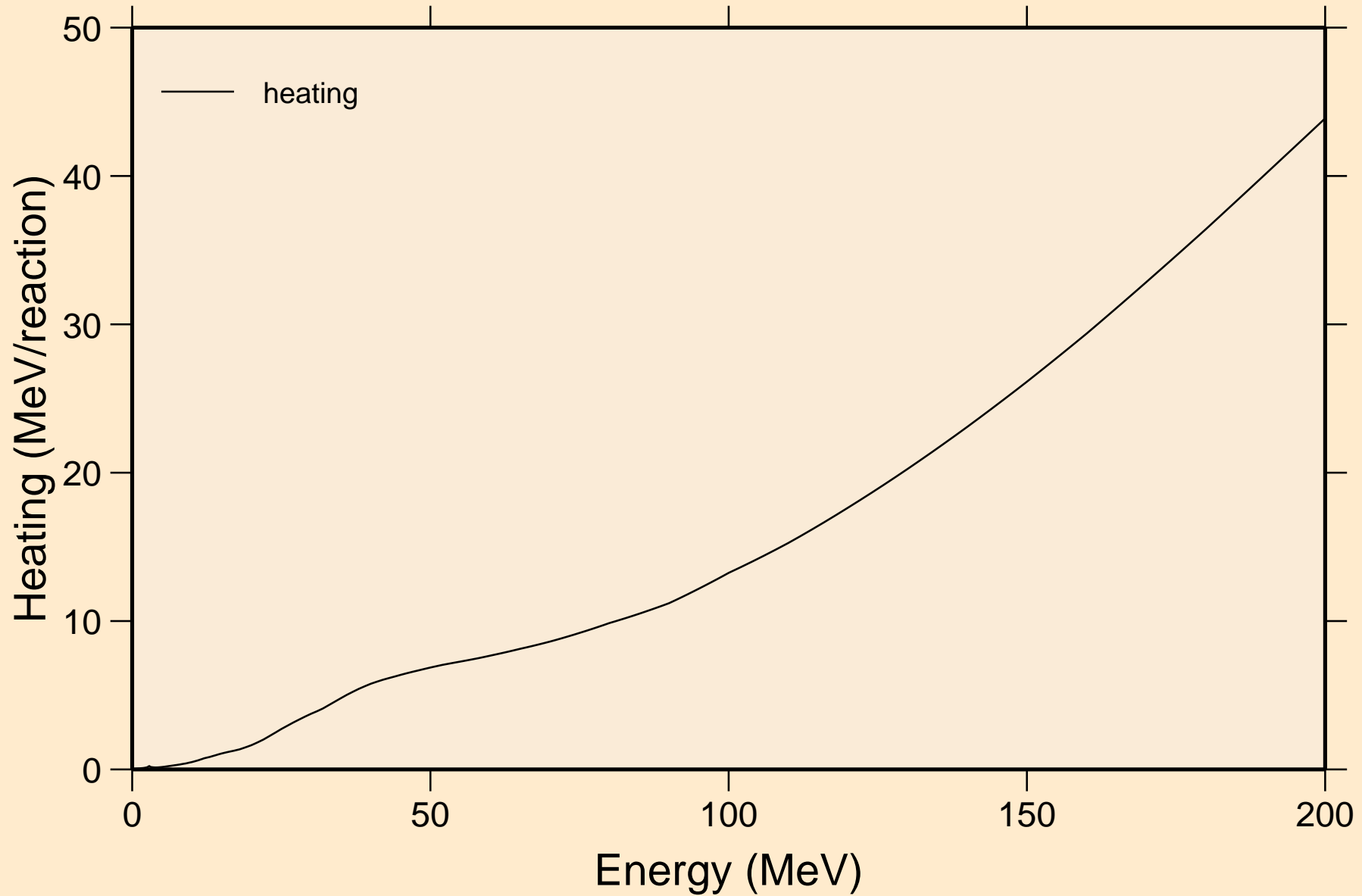
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## Principal cross sections



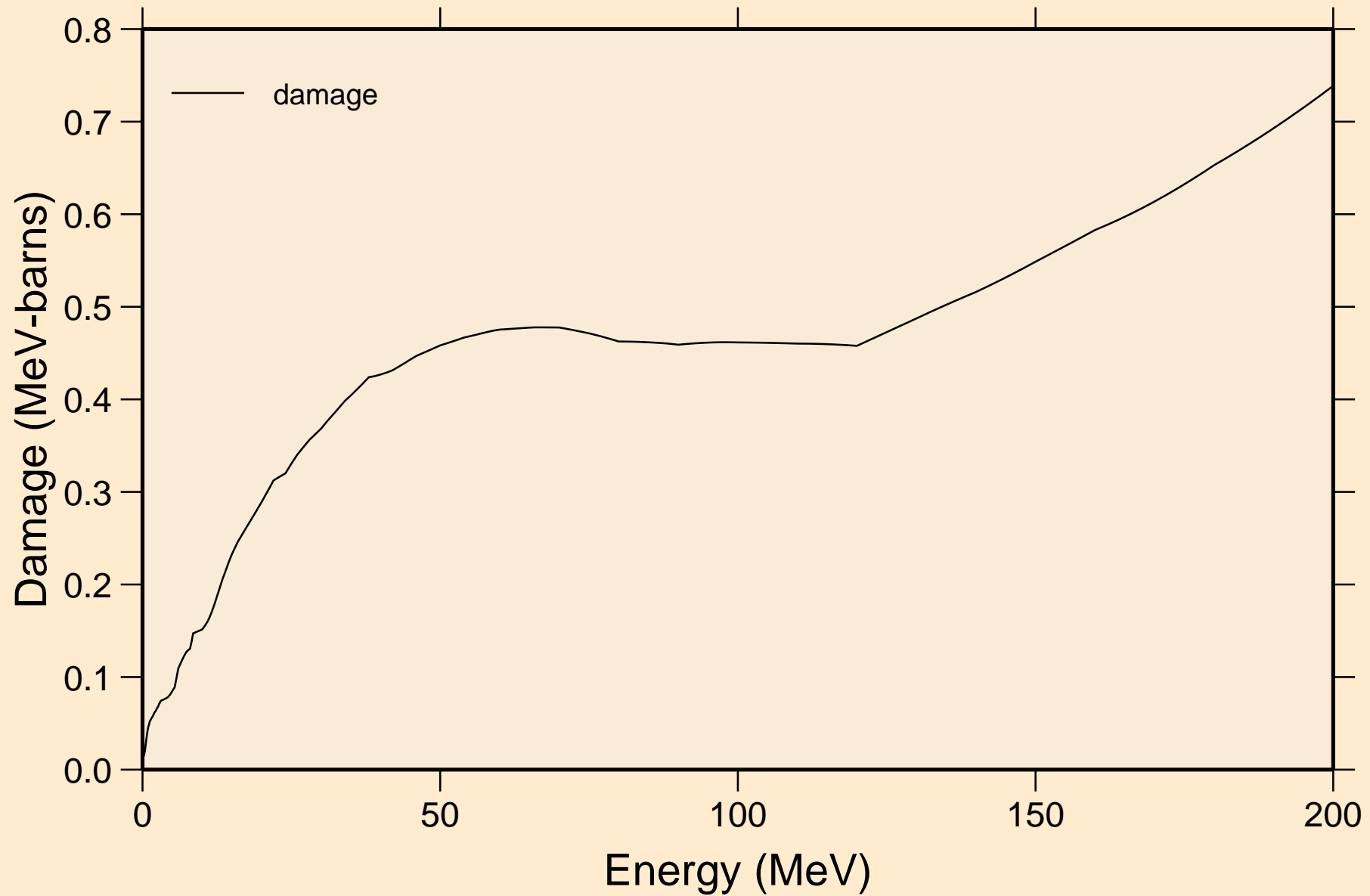
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## Heating

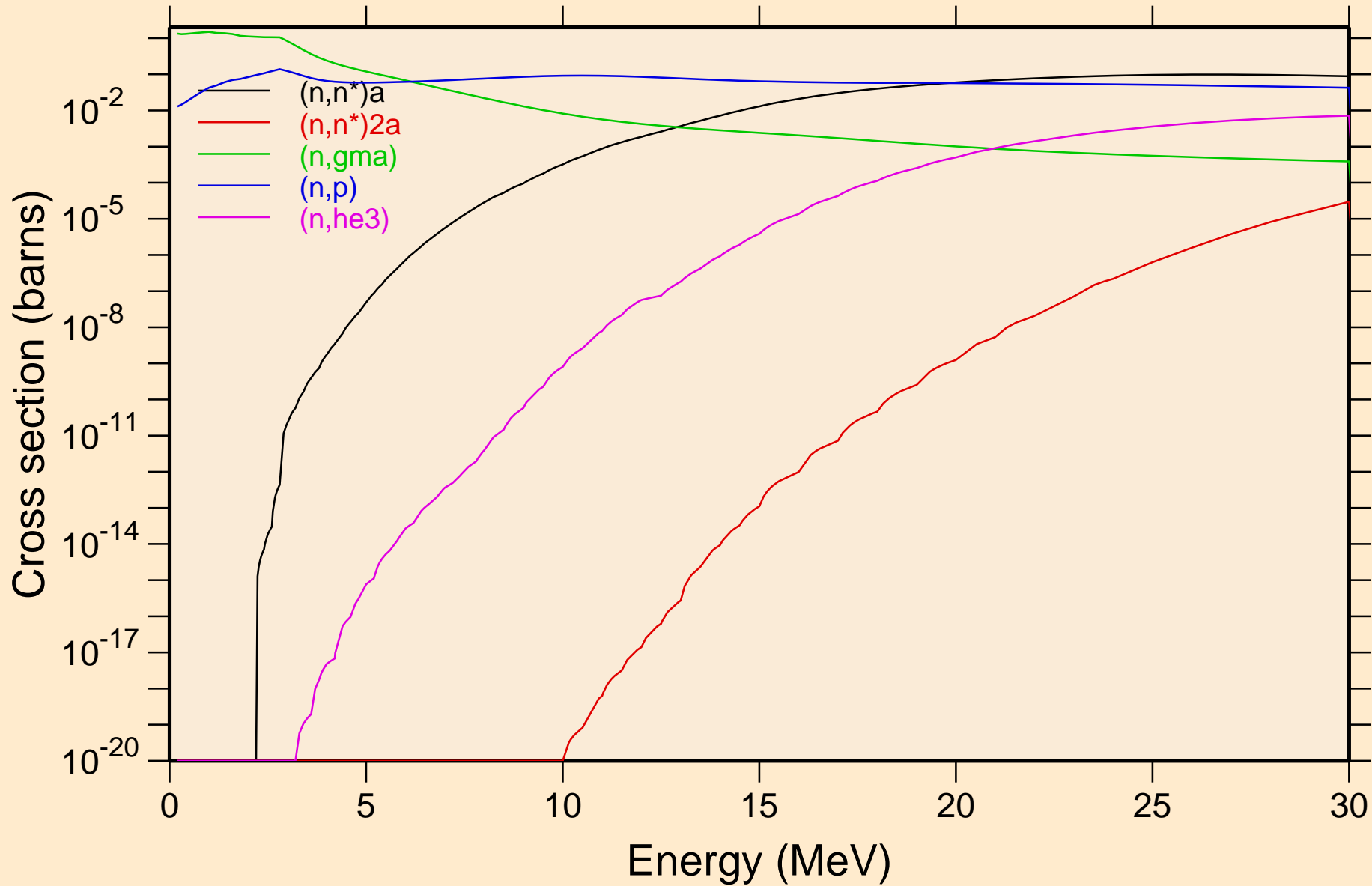




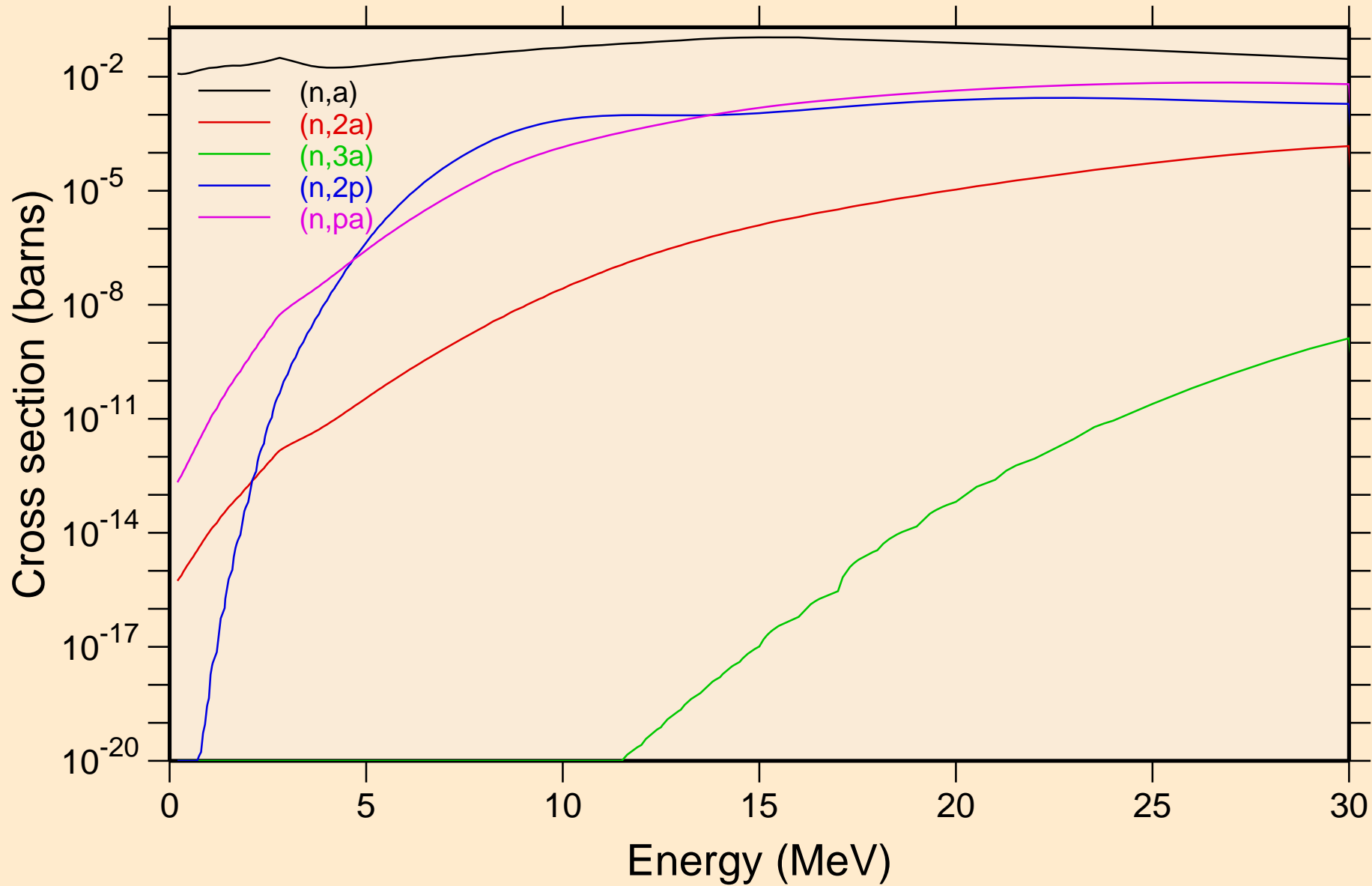
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Damage



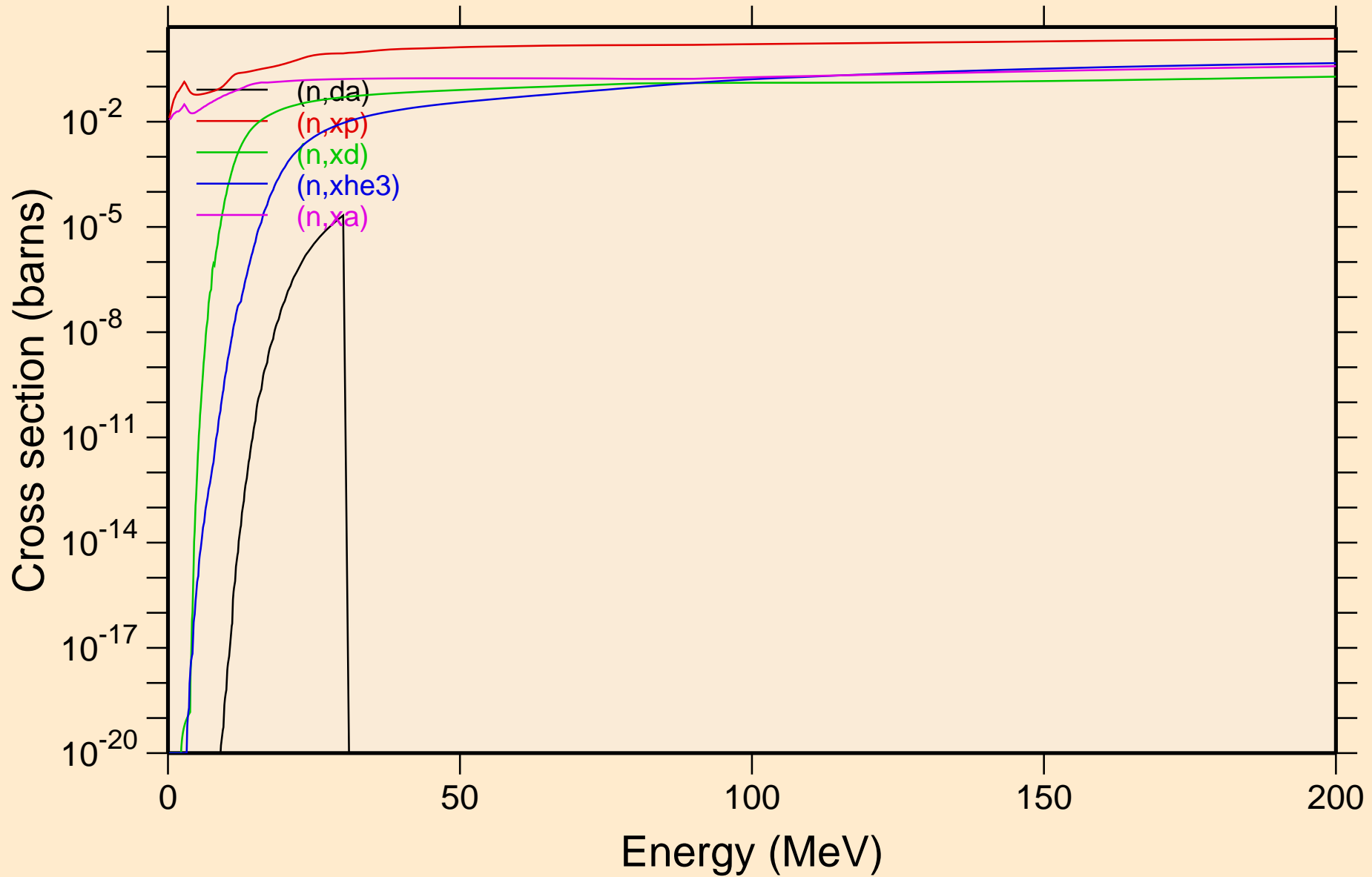
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Non-threshold reactions



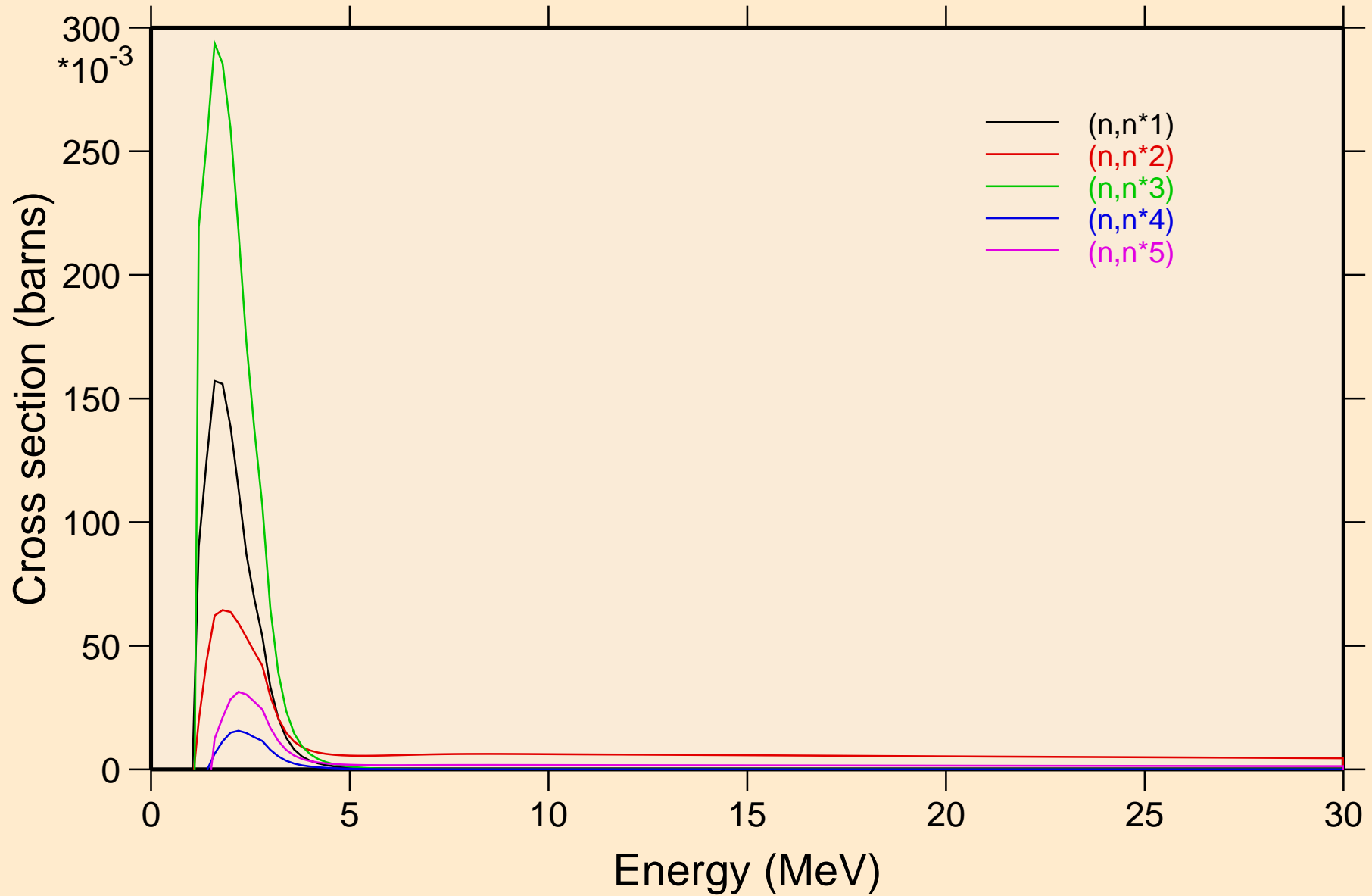
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Non-threshold reactions



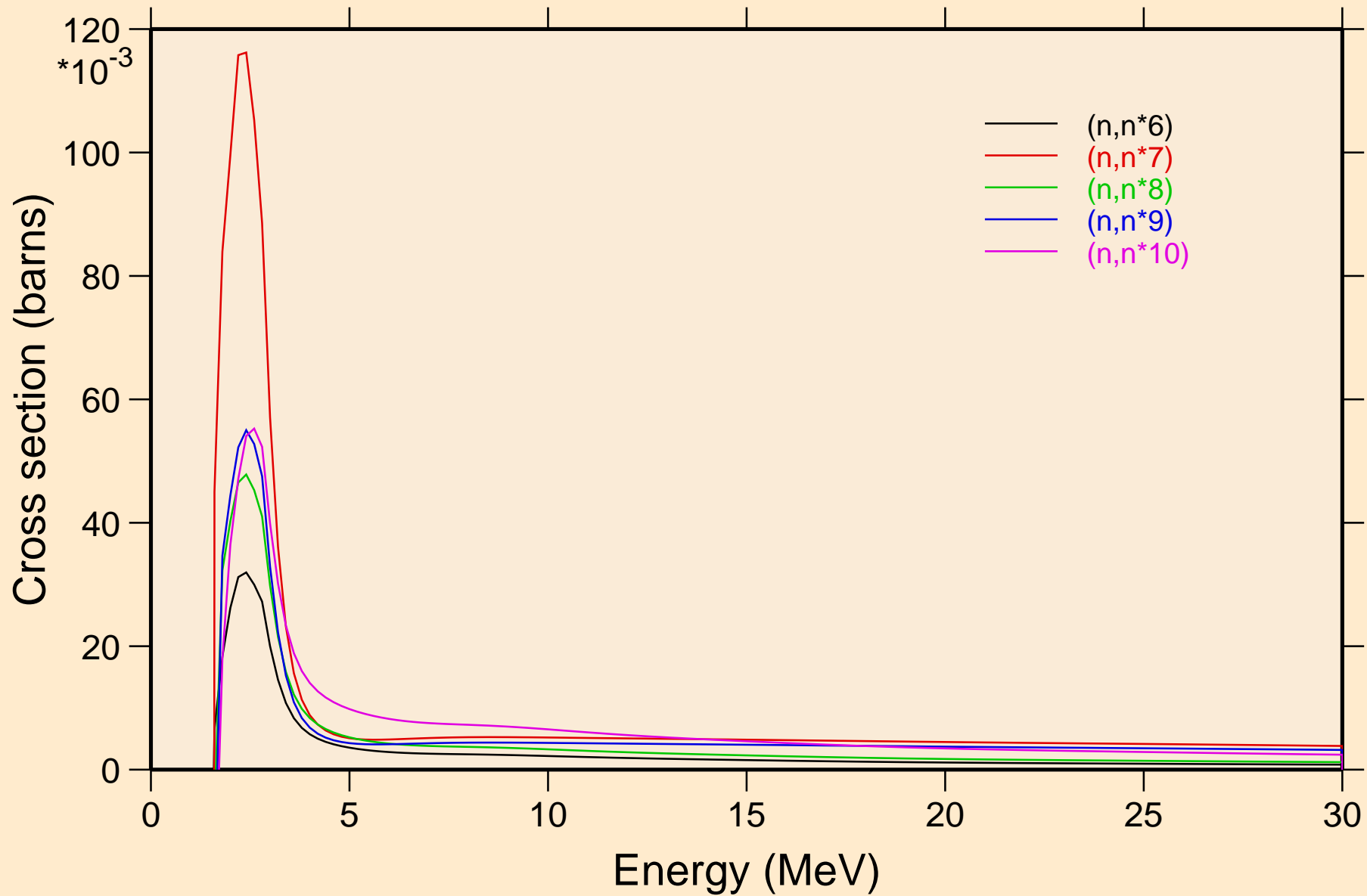
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Non-threshold reactions



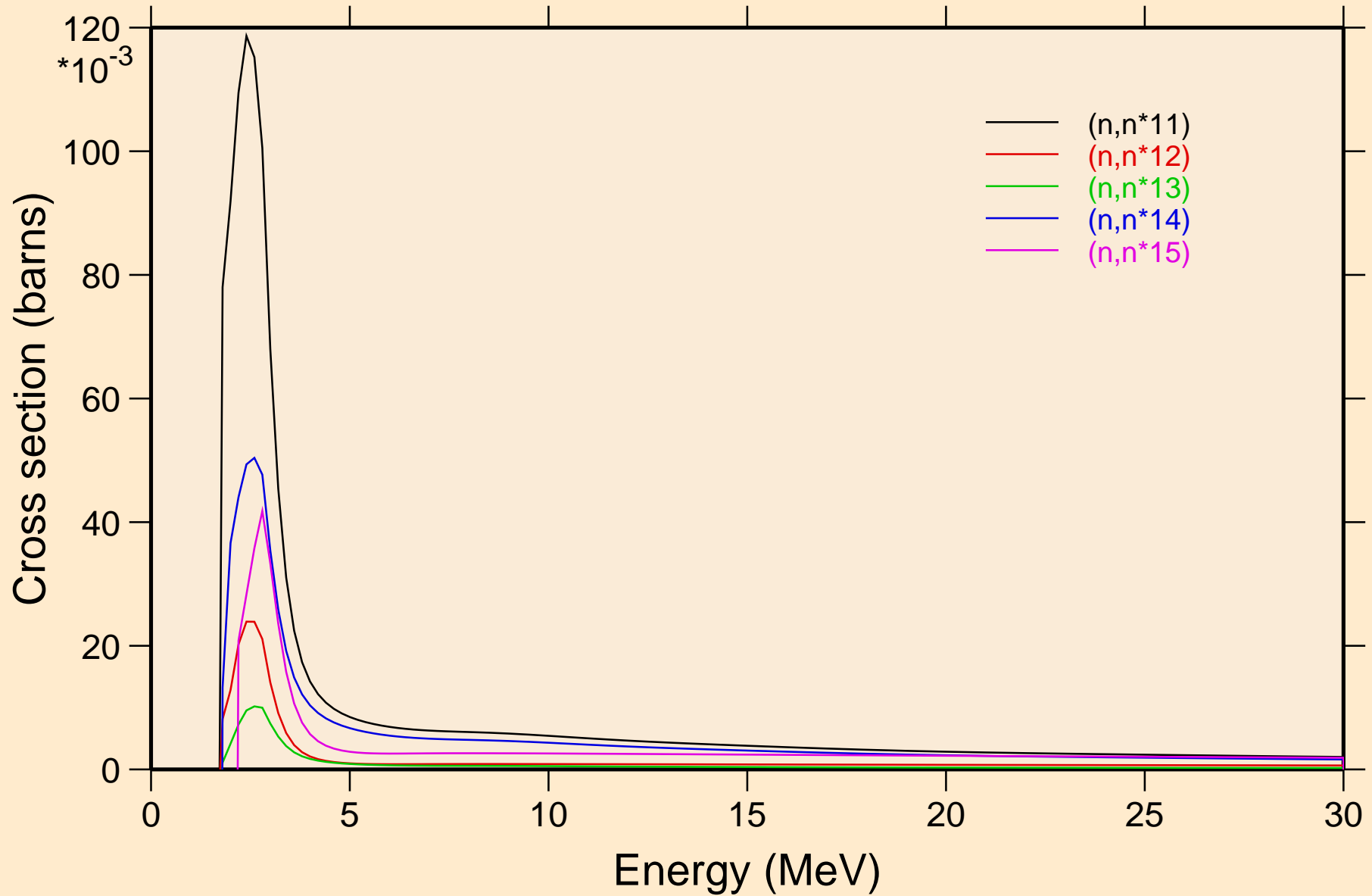
DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



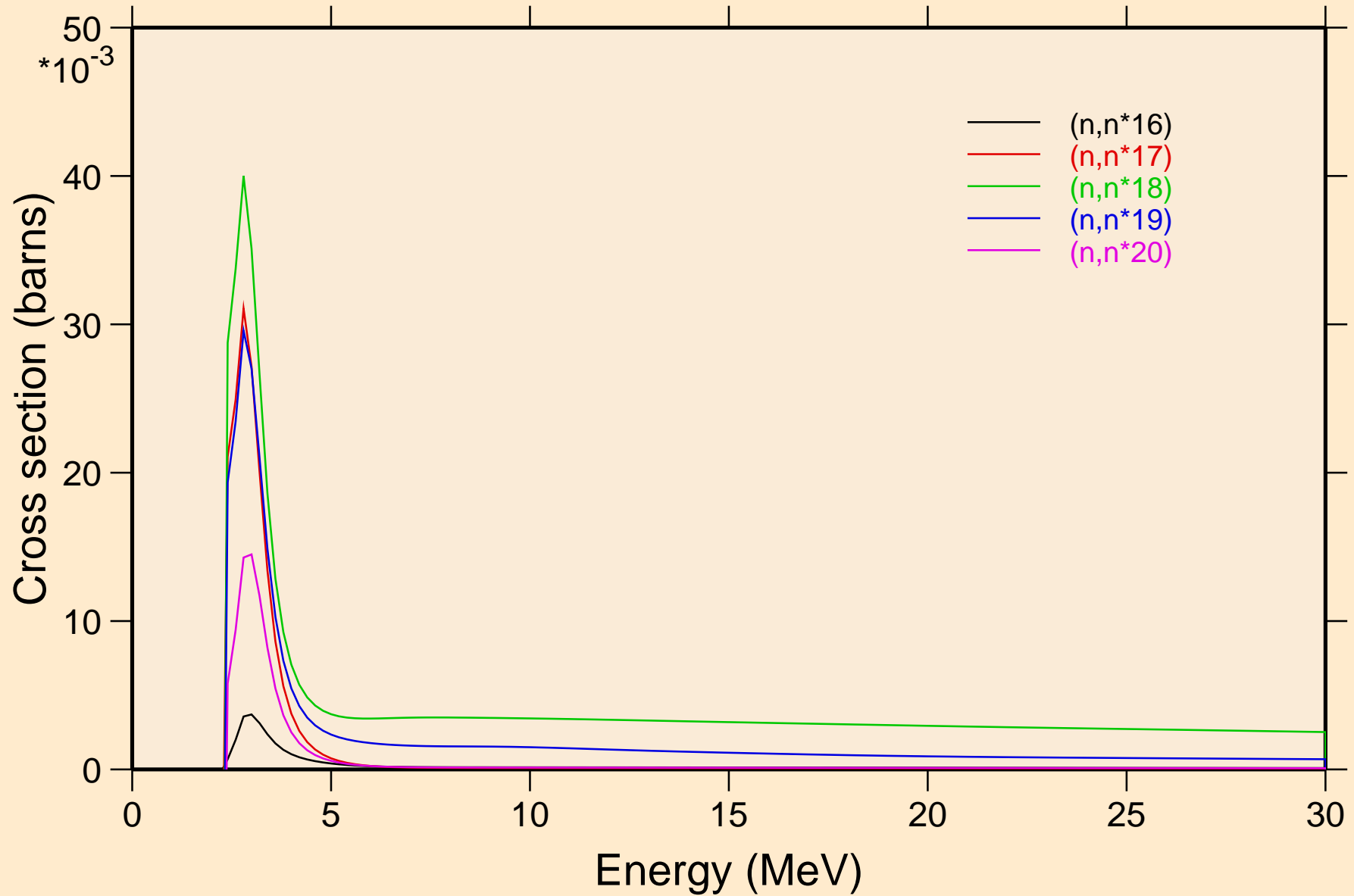
DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

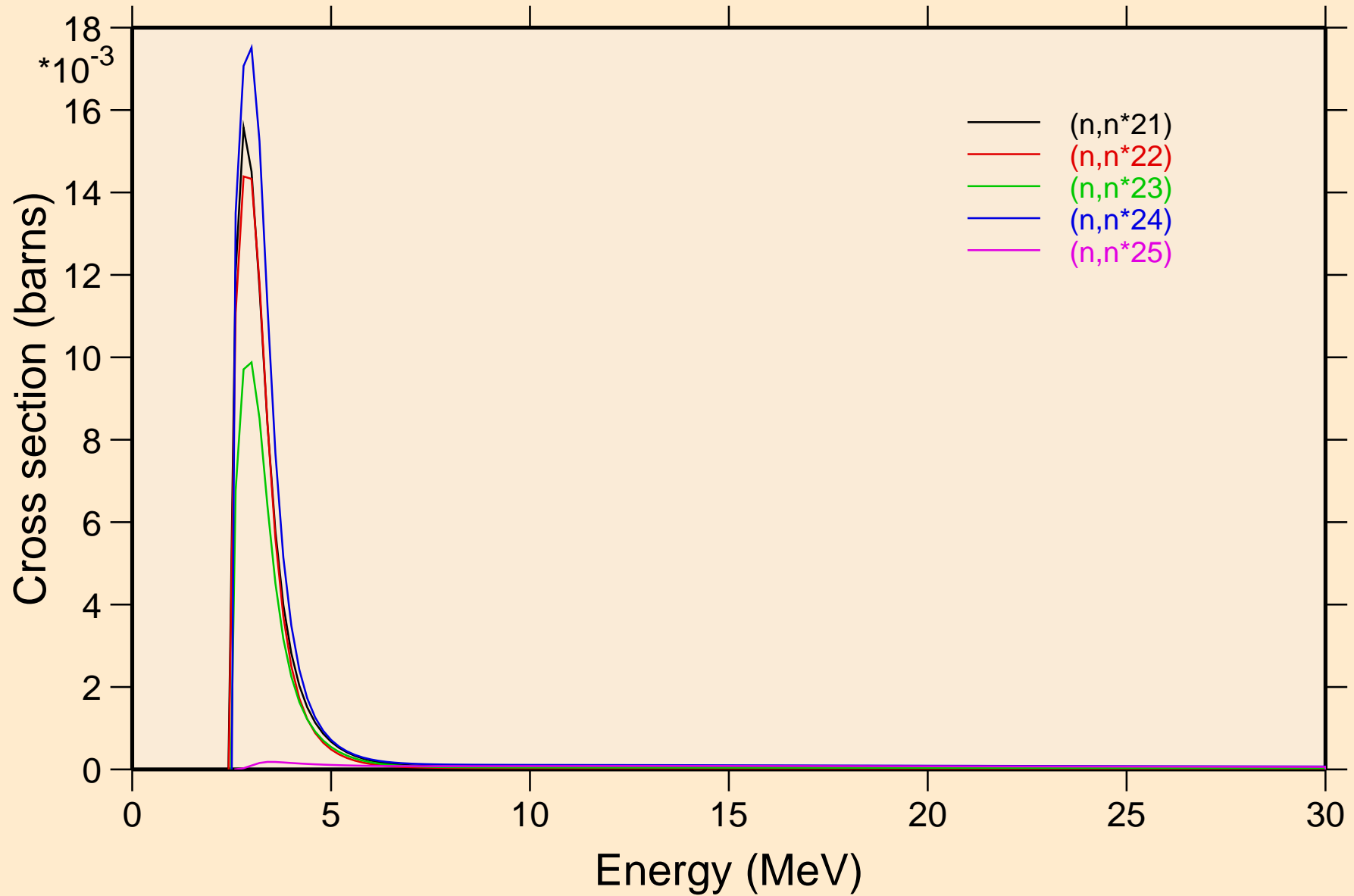


DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

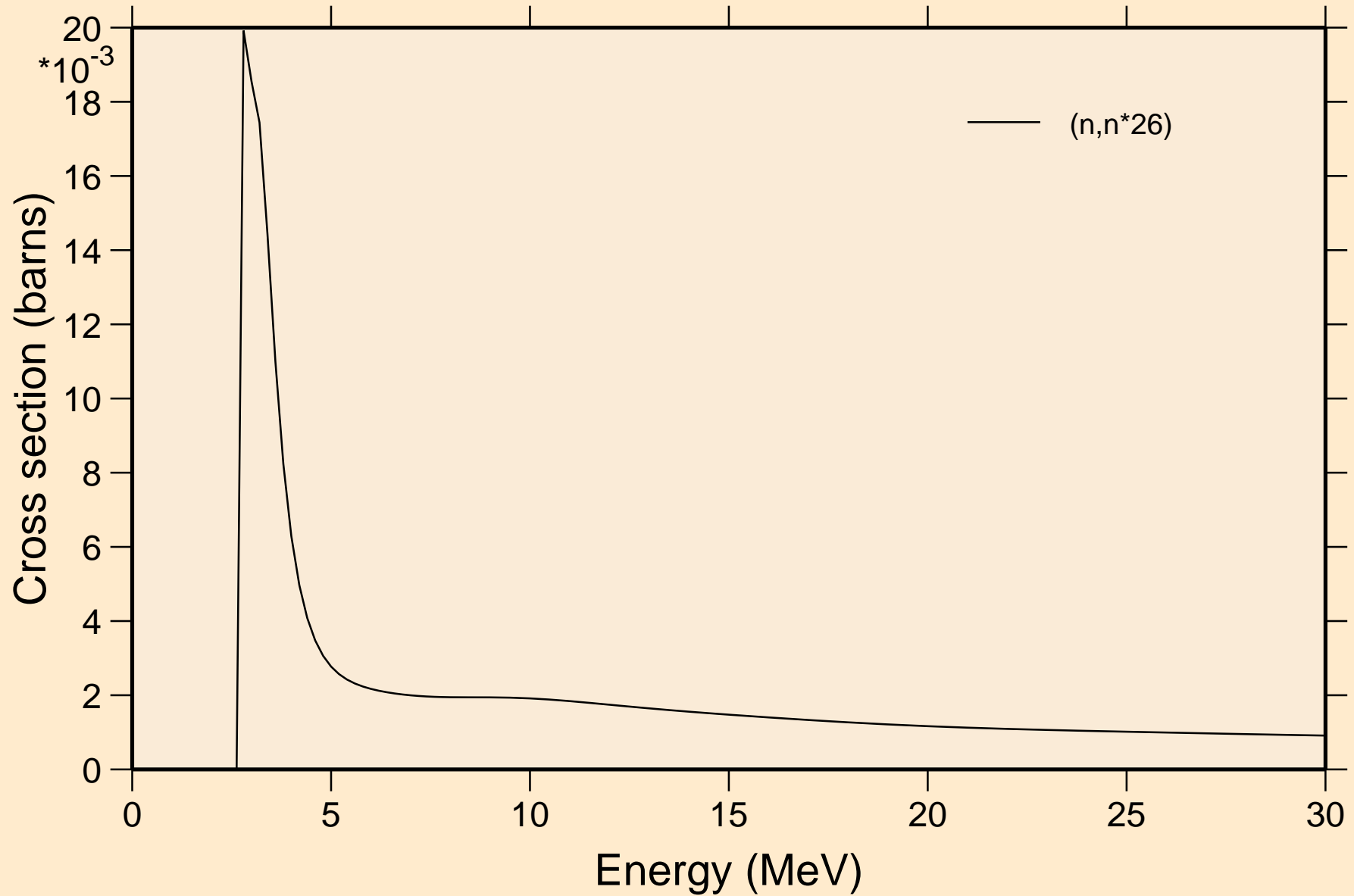




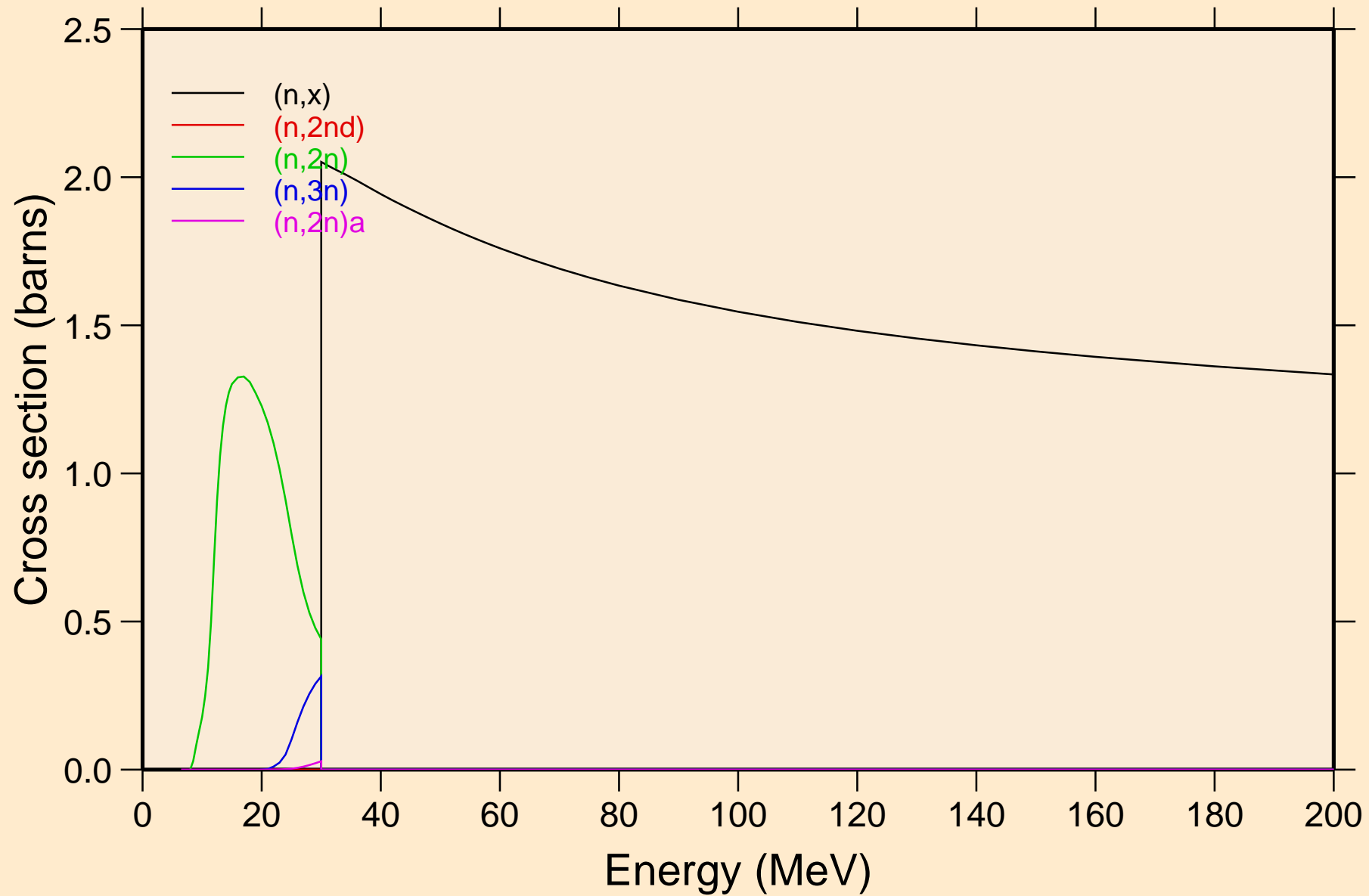
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Inelastic levels



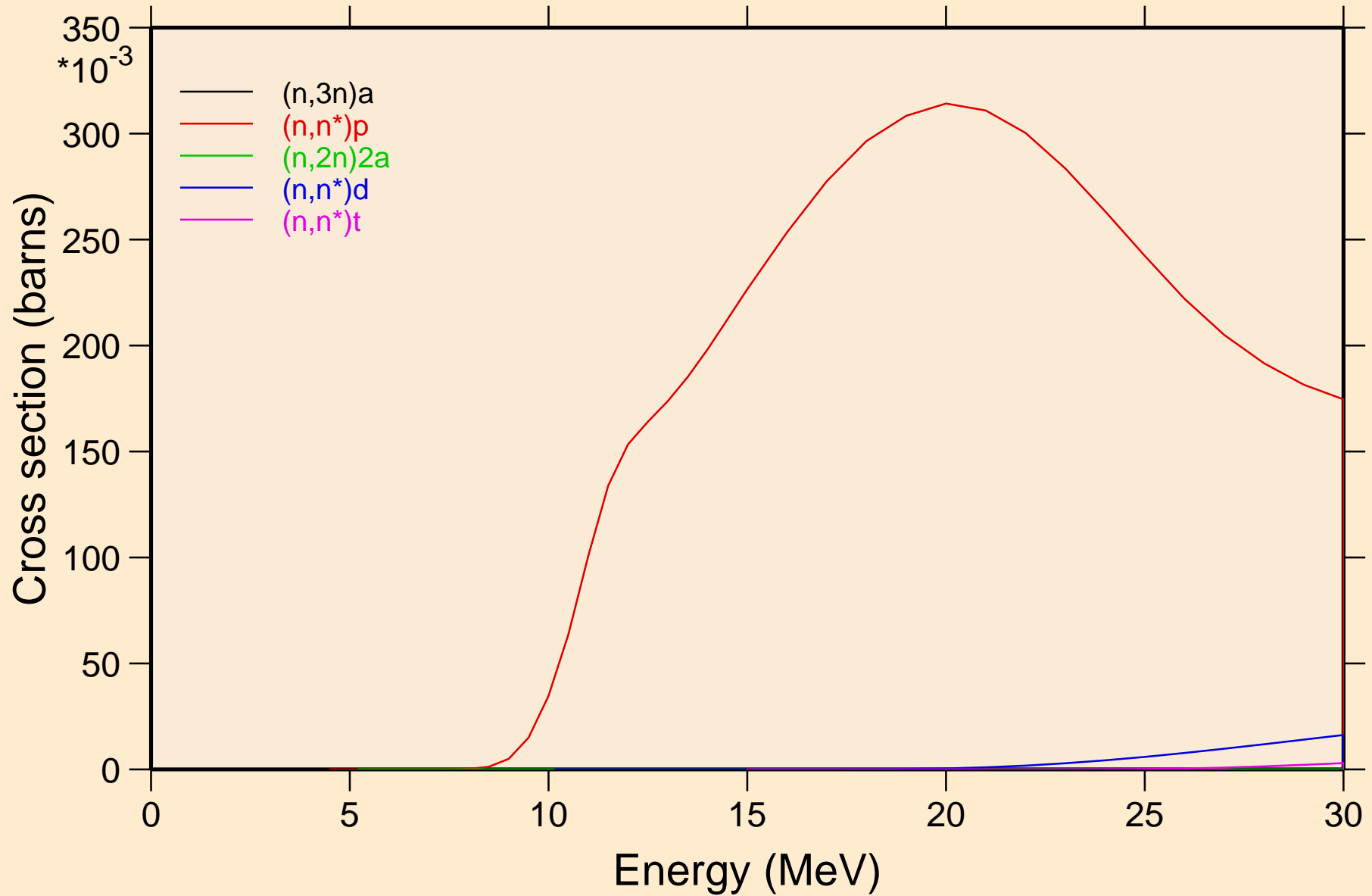
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Inelastic levels



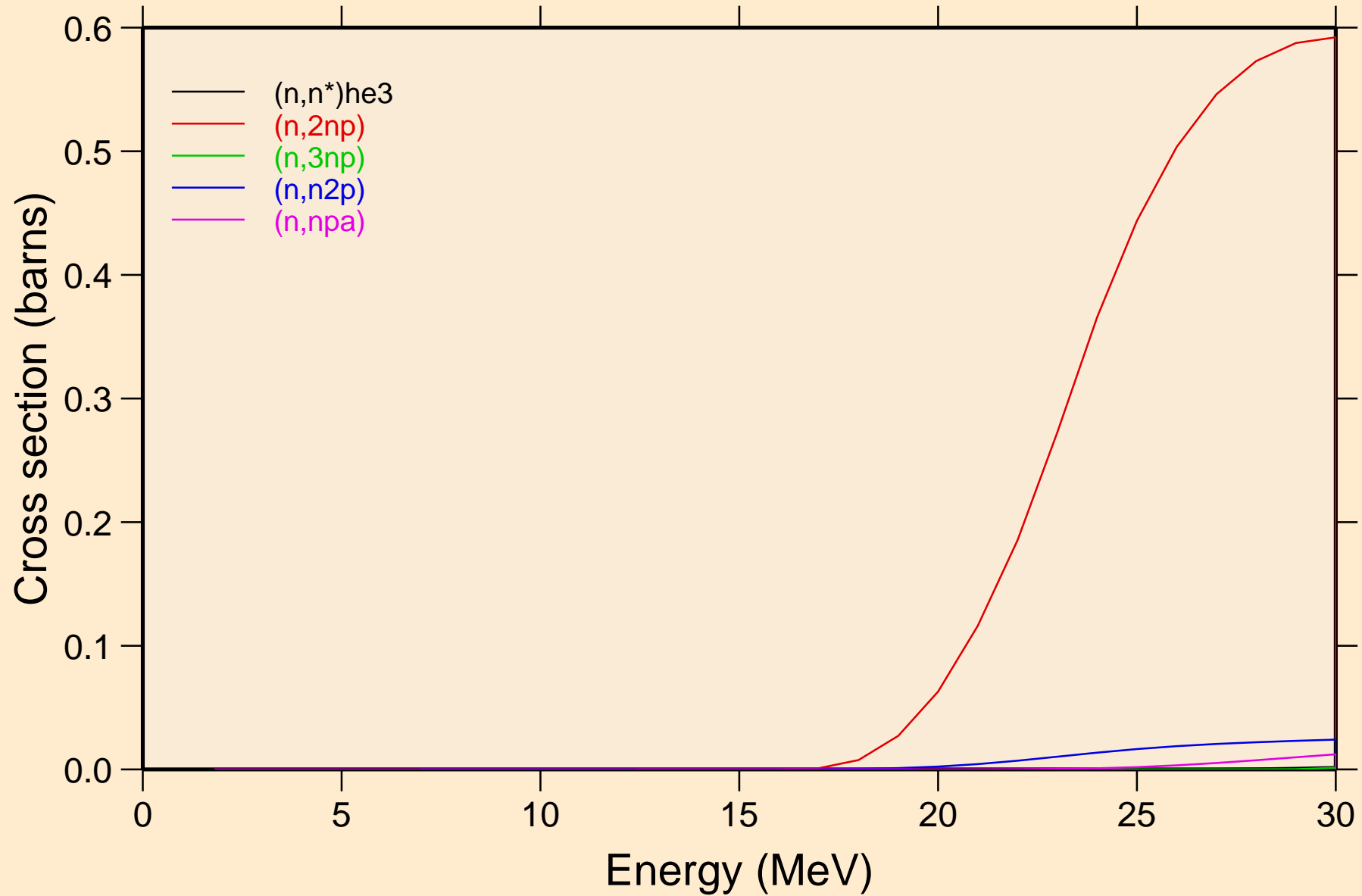
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Threshold reactions



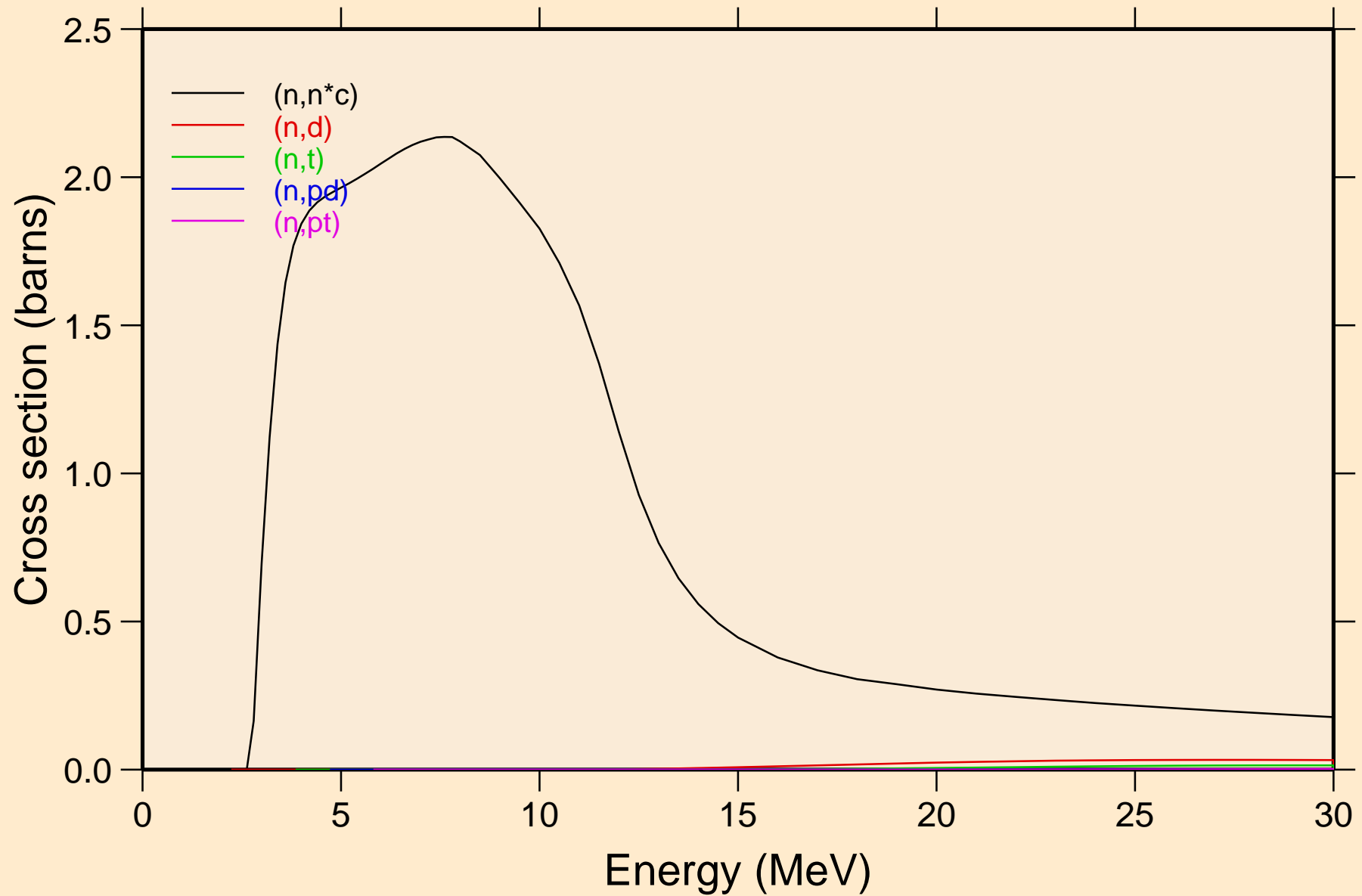
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Threshold reactions



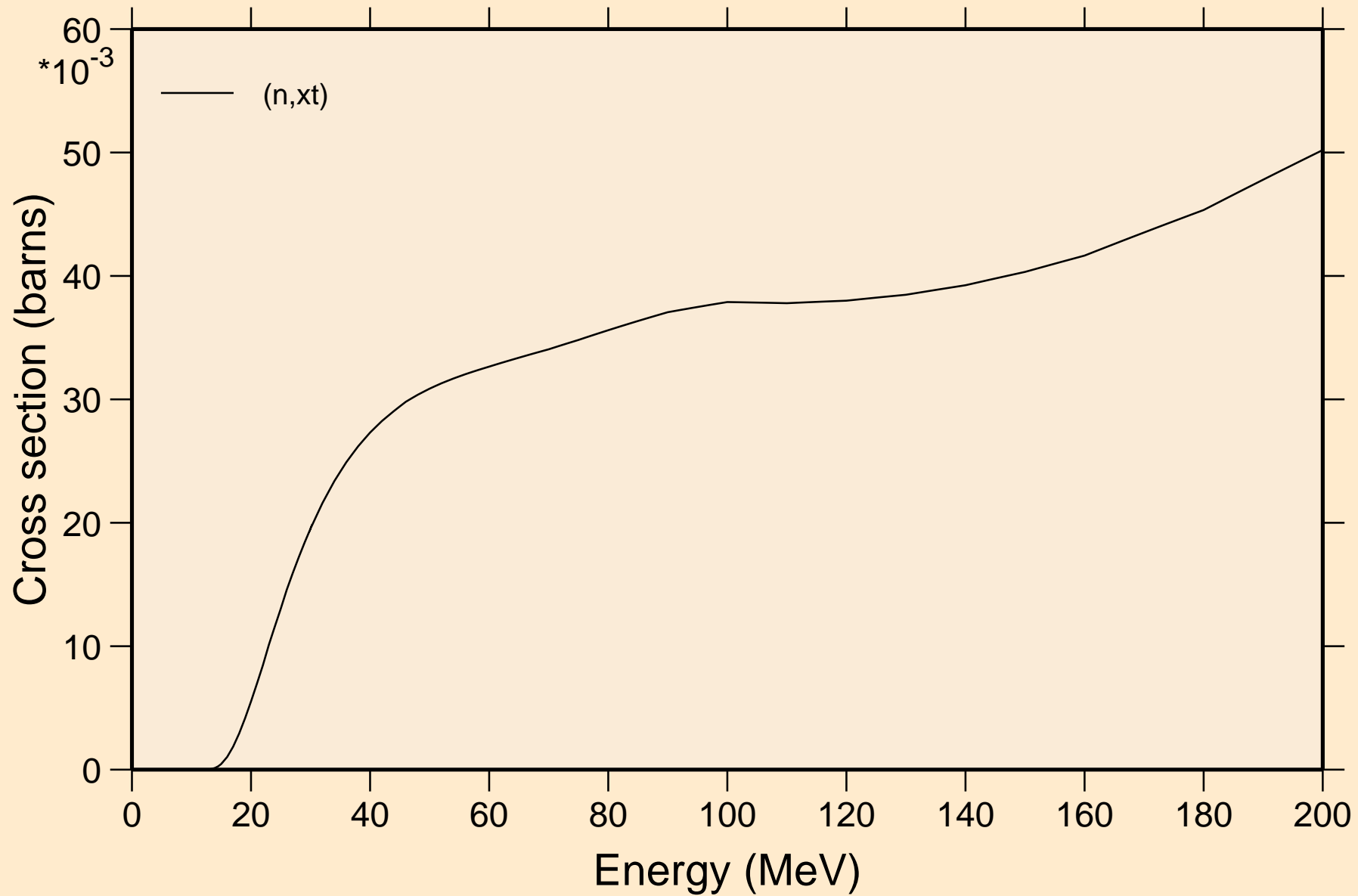
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Threshold reactions



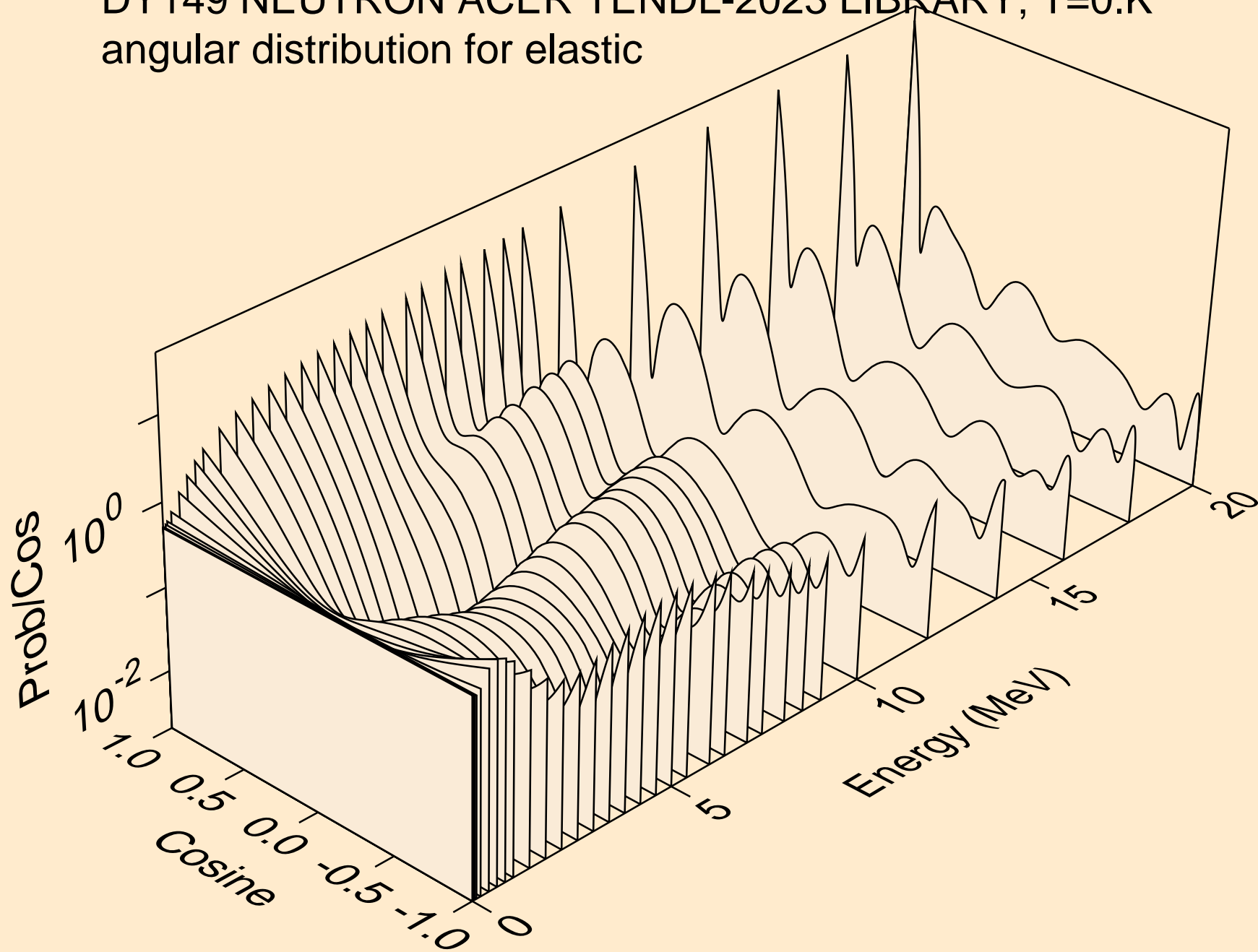
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Threshold reactions



DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

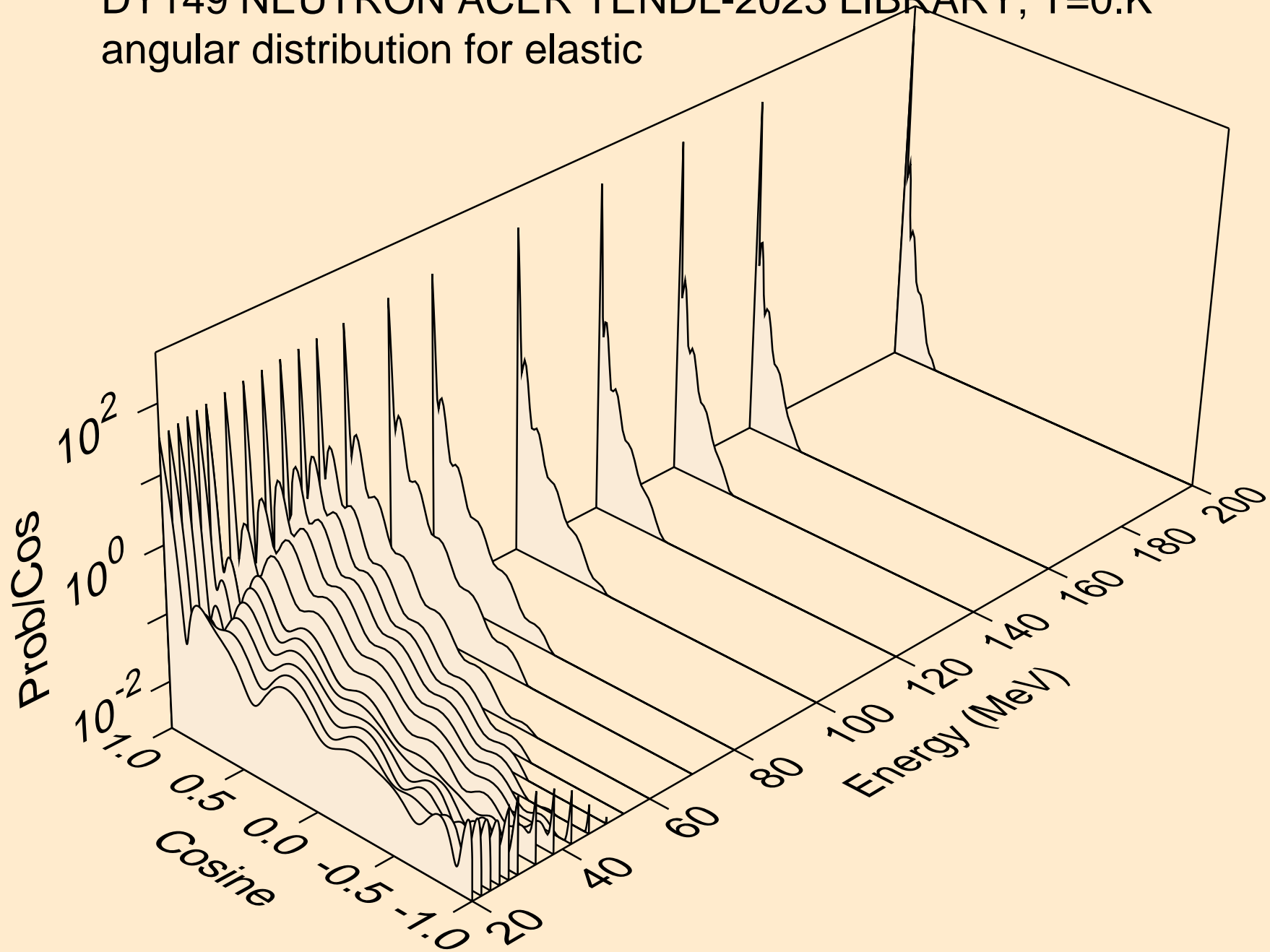


DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

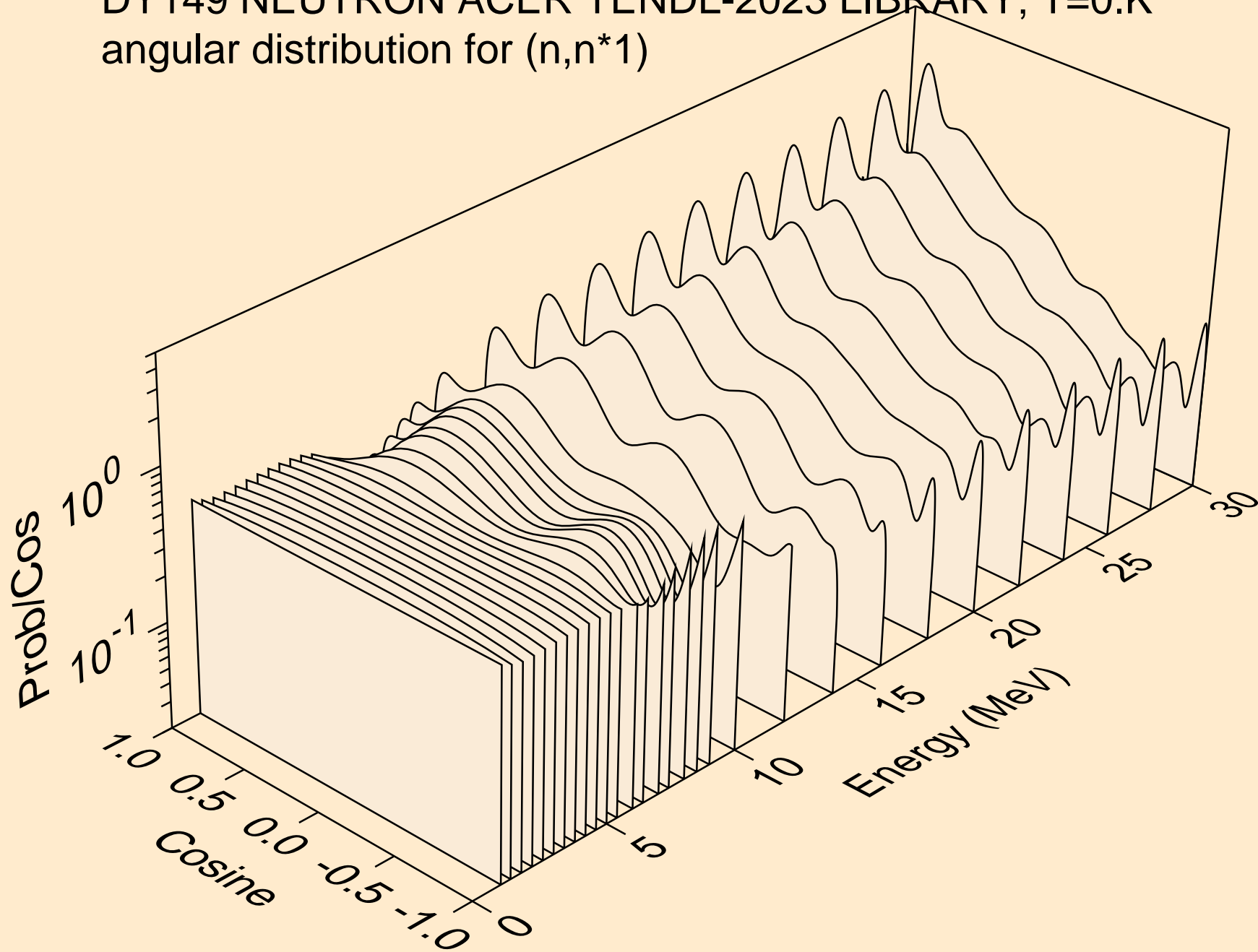




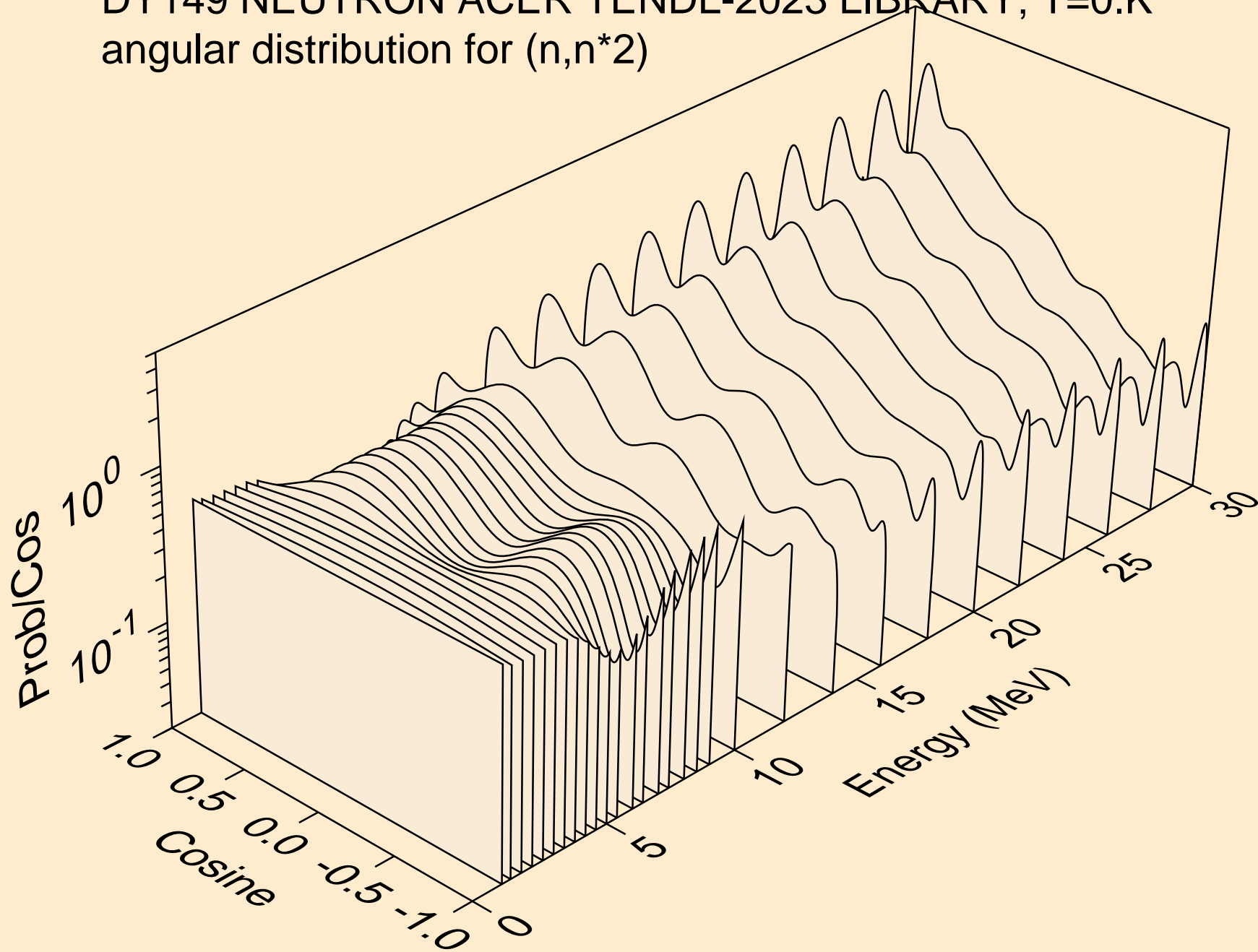
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angular distribution for elastic



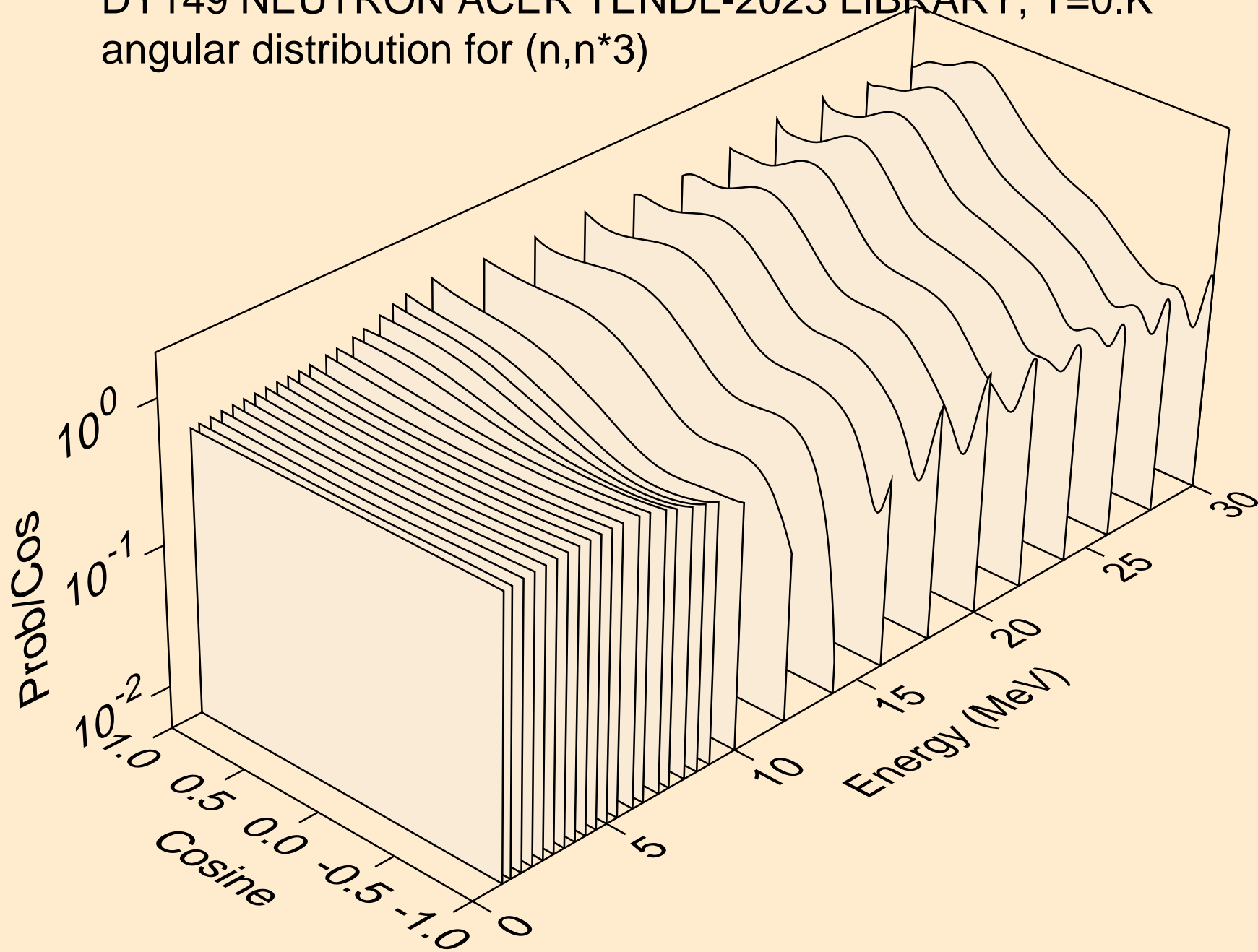
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angular distribution for (n,n\*1)



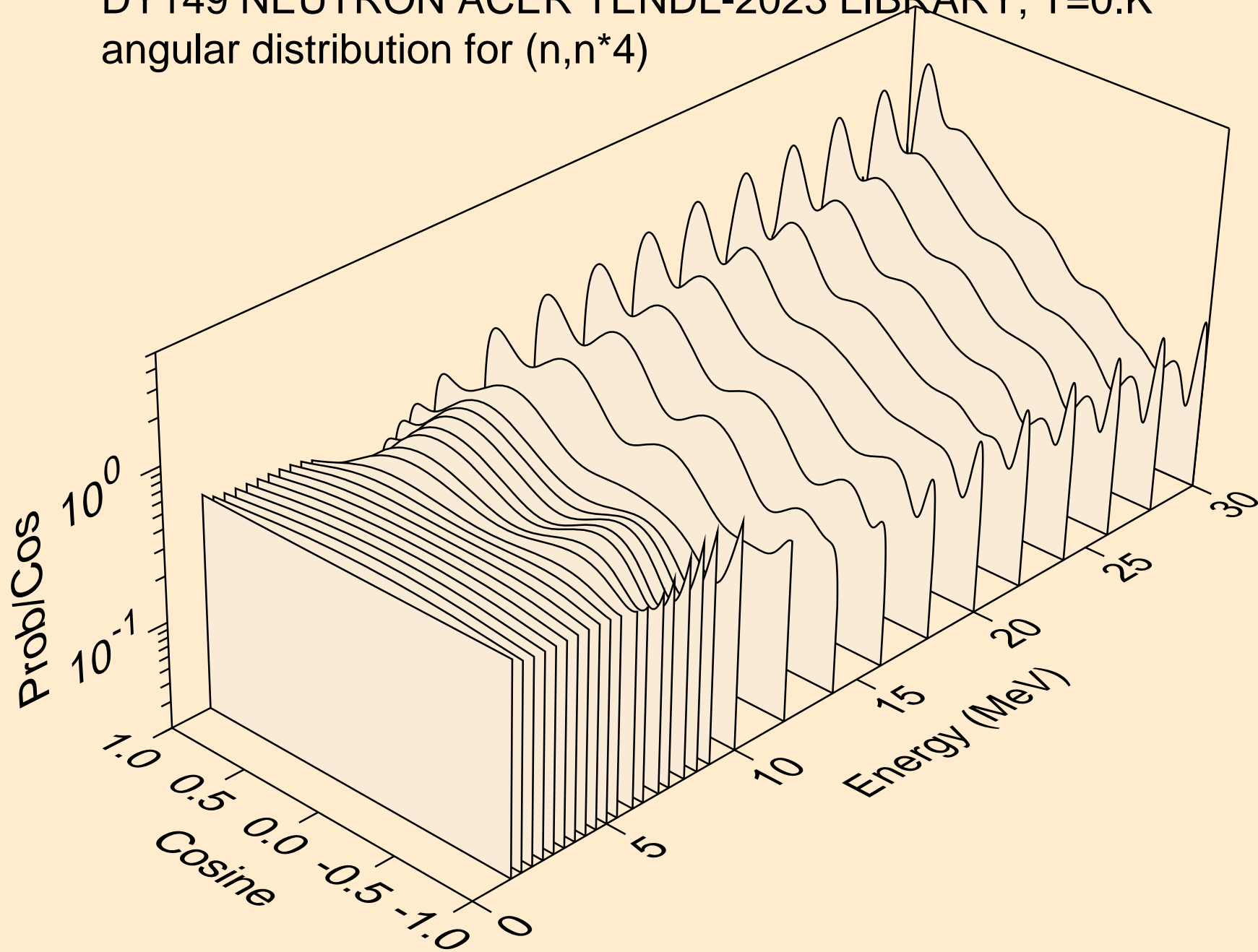
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angular distribution for (n,n\*2)



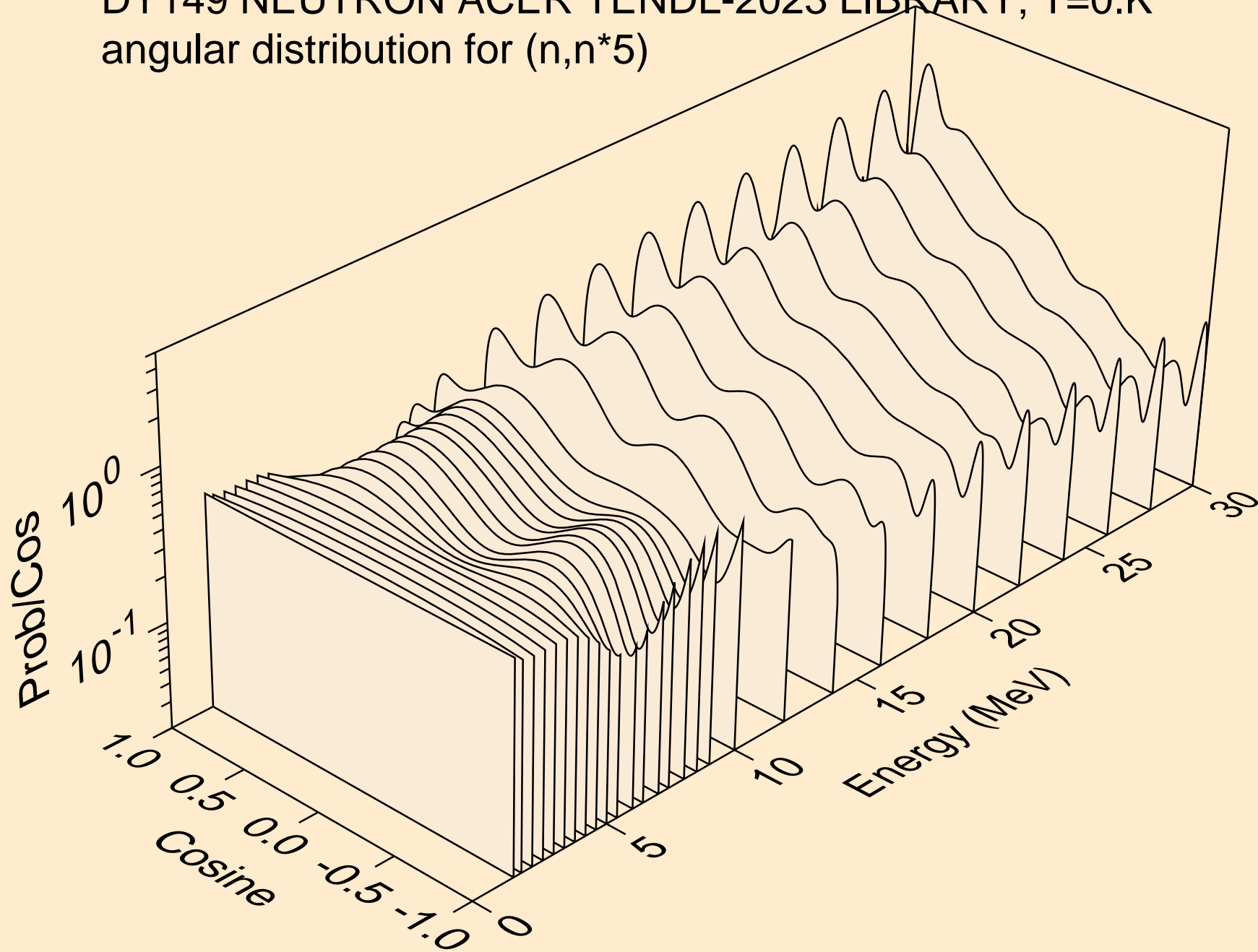
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angular distribution for (n,n\*3)



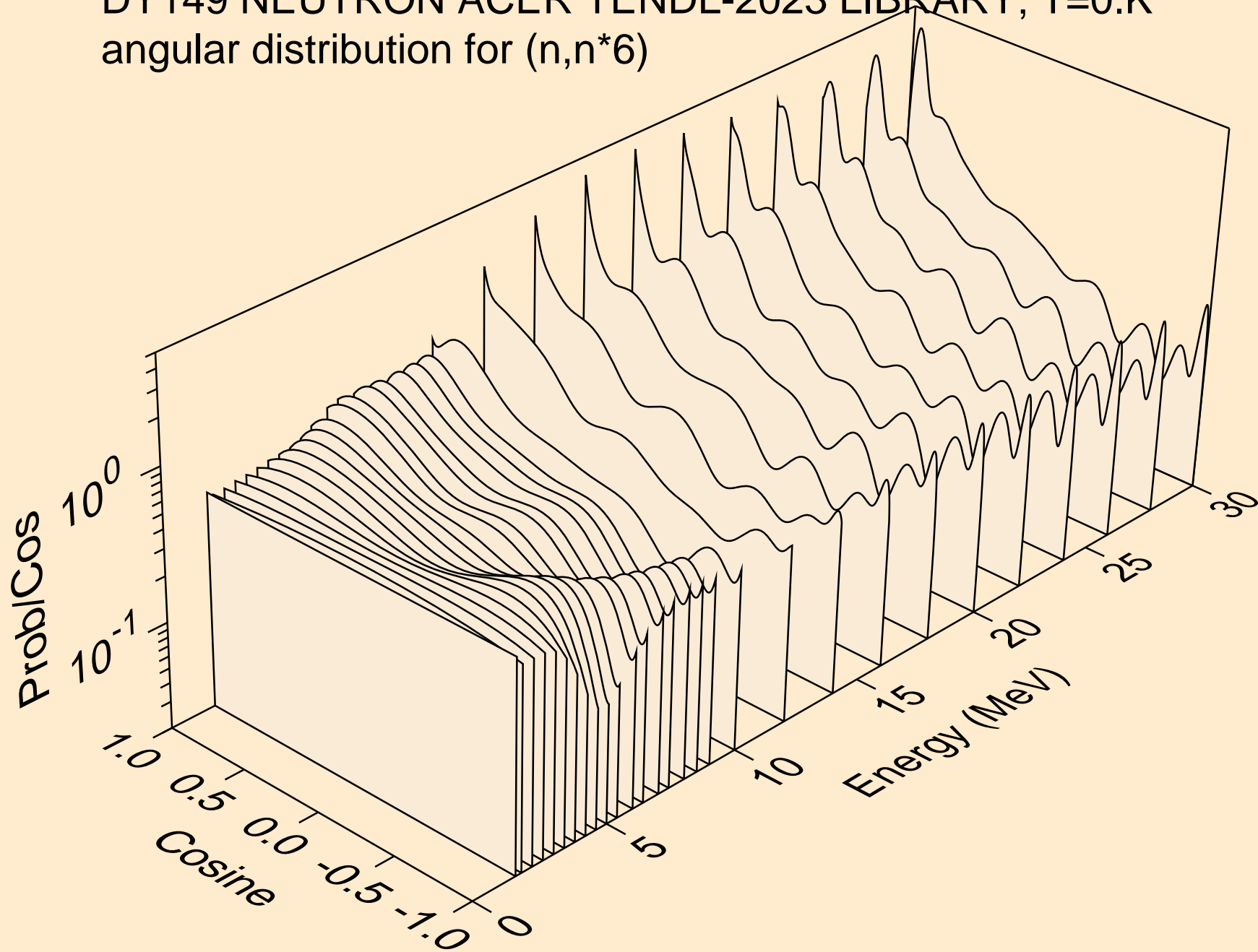
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angular distribution for (n,n\*4)



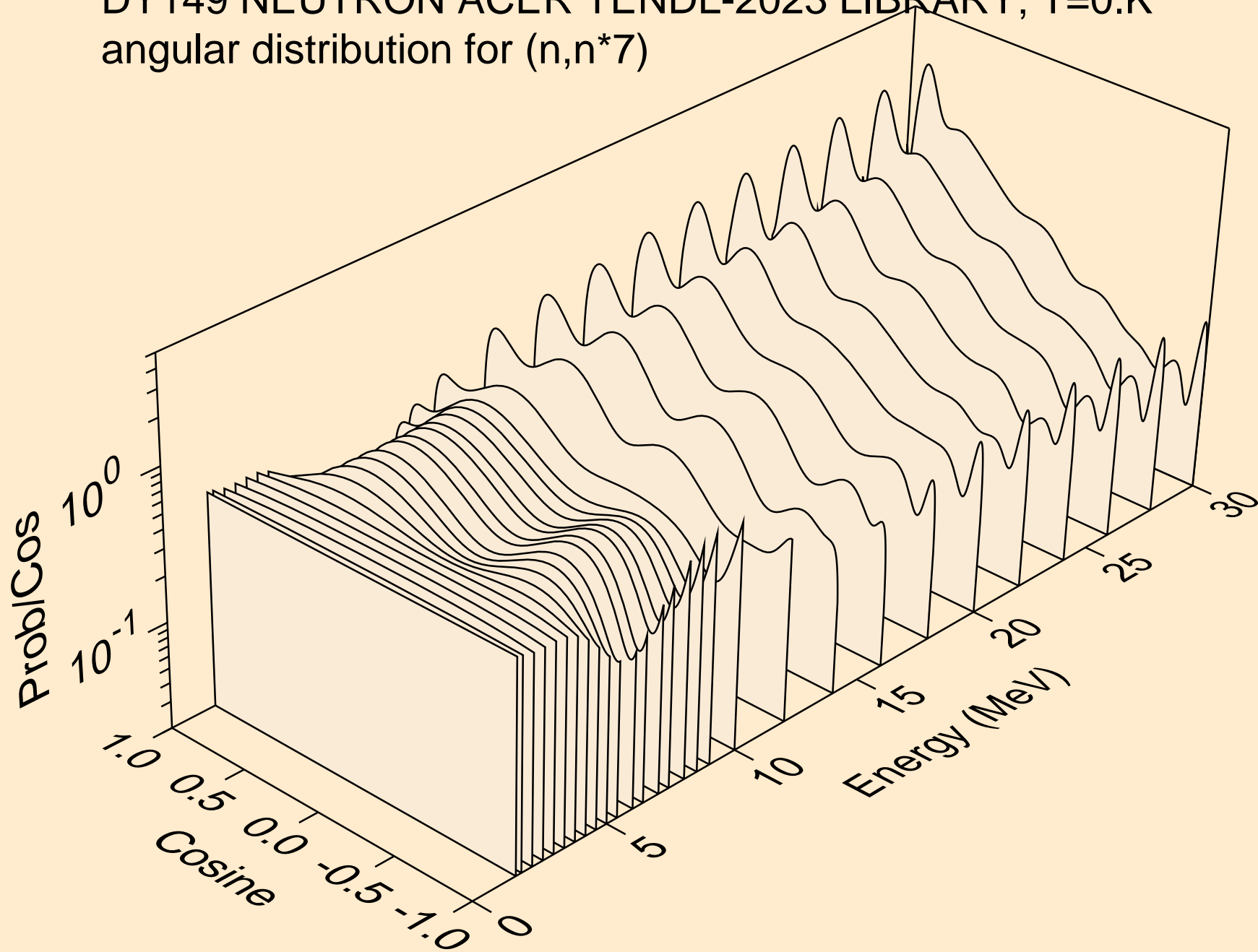
DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)

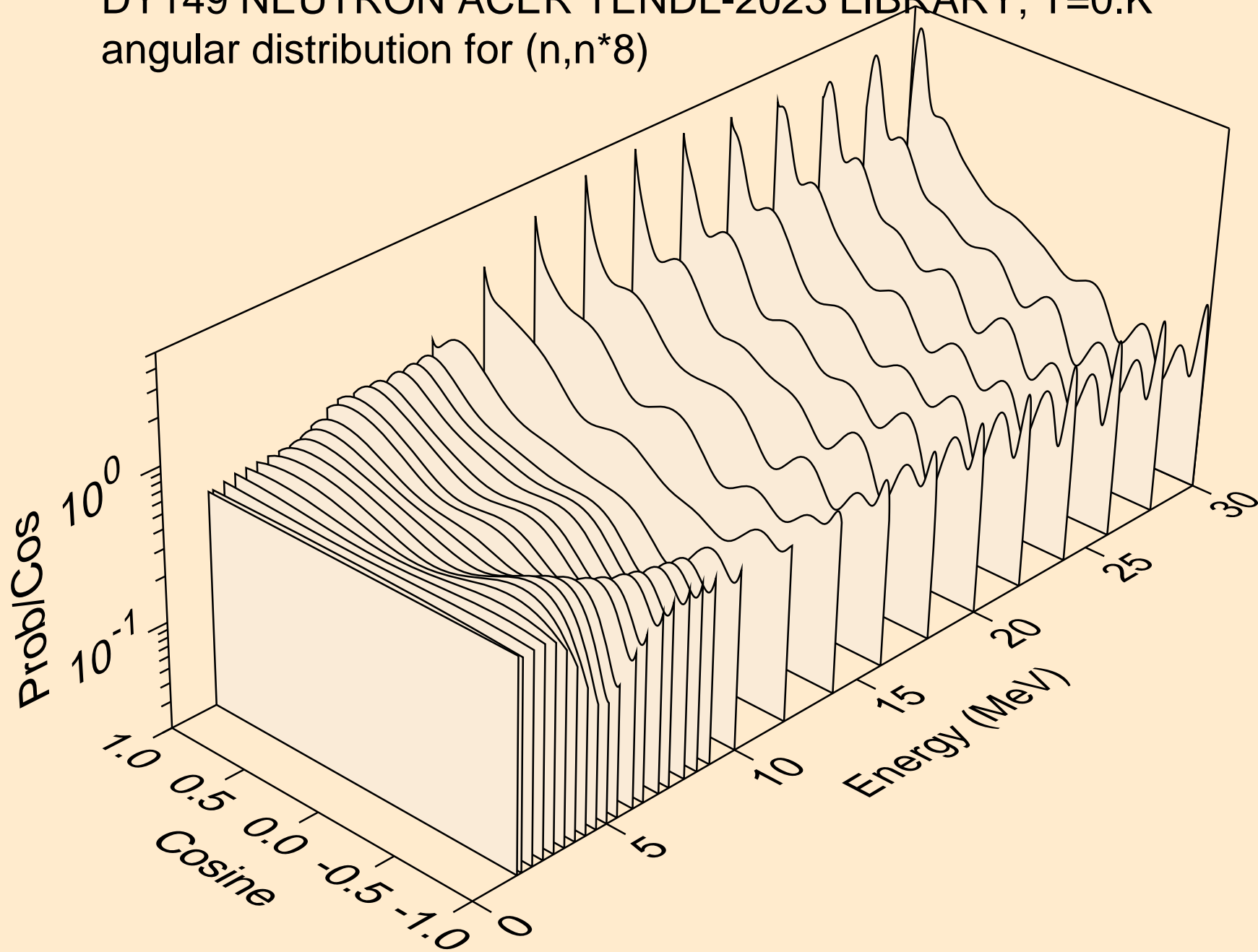


DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)

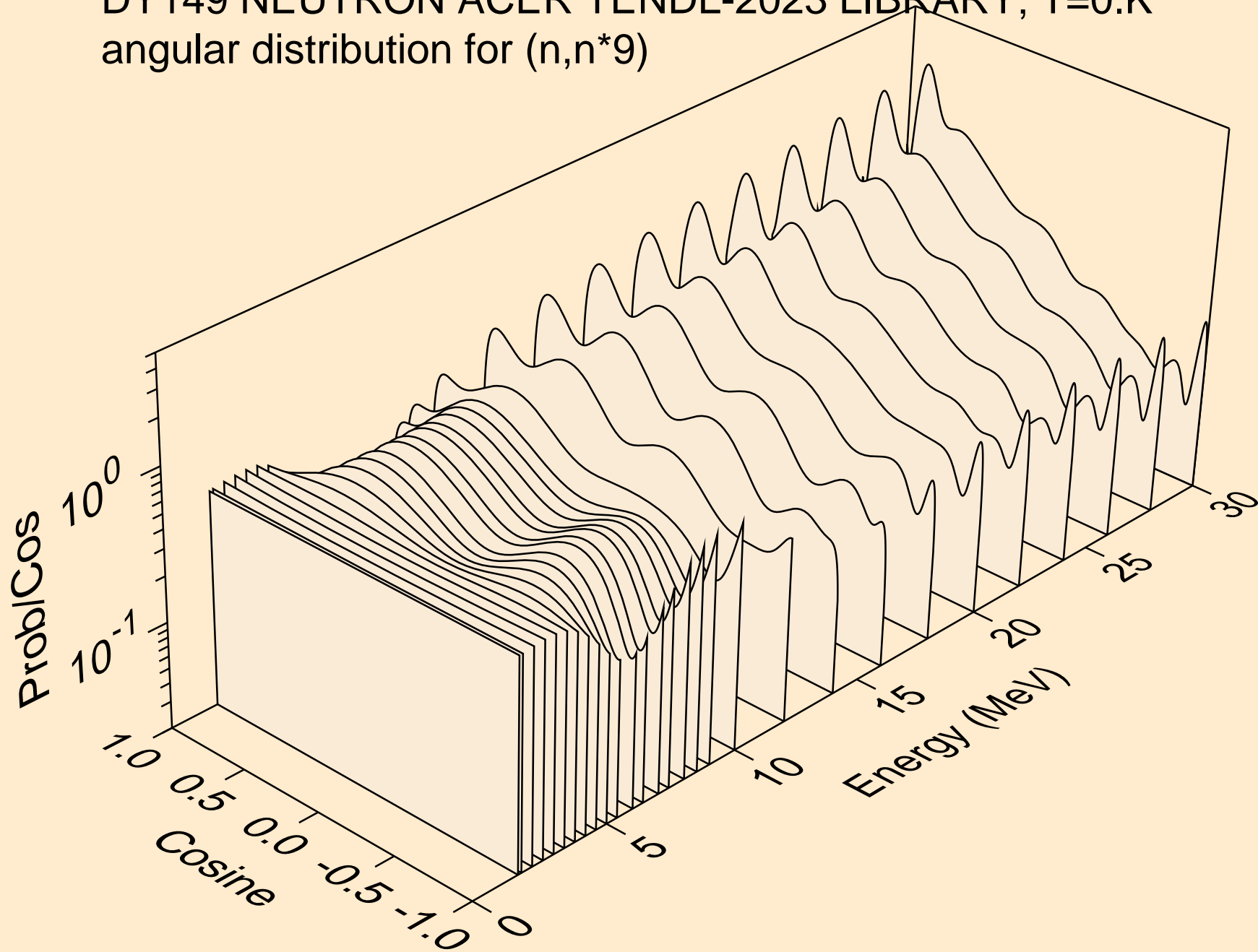




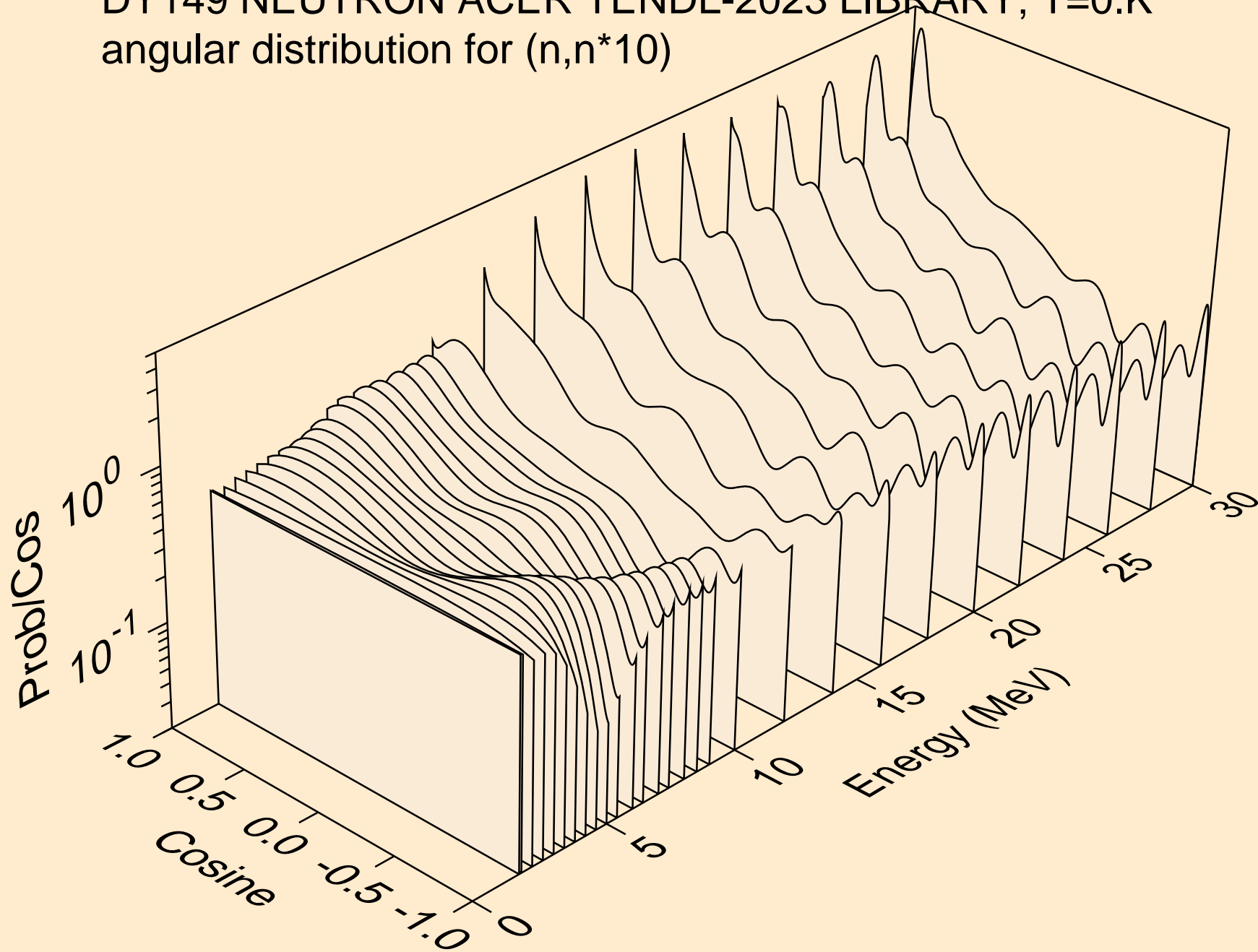
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angular distribution for (n,n\*8)



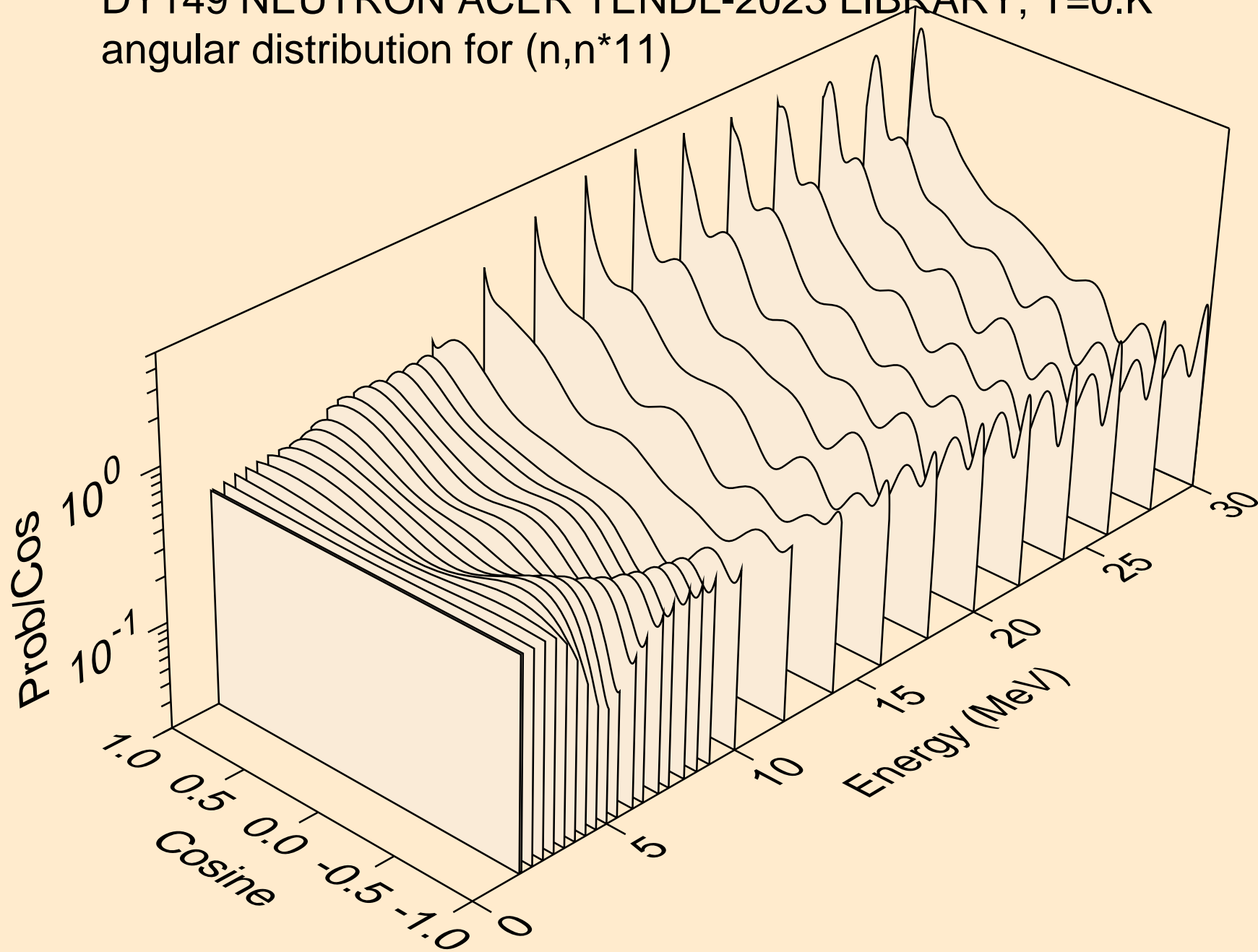
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angular distribution for (n,n\*9)



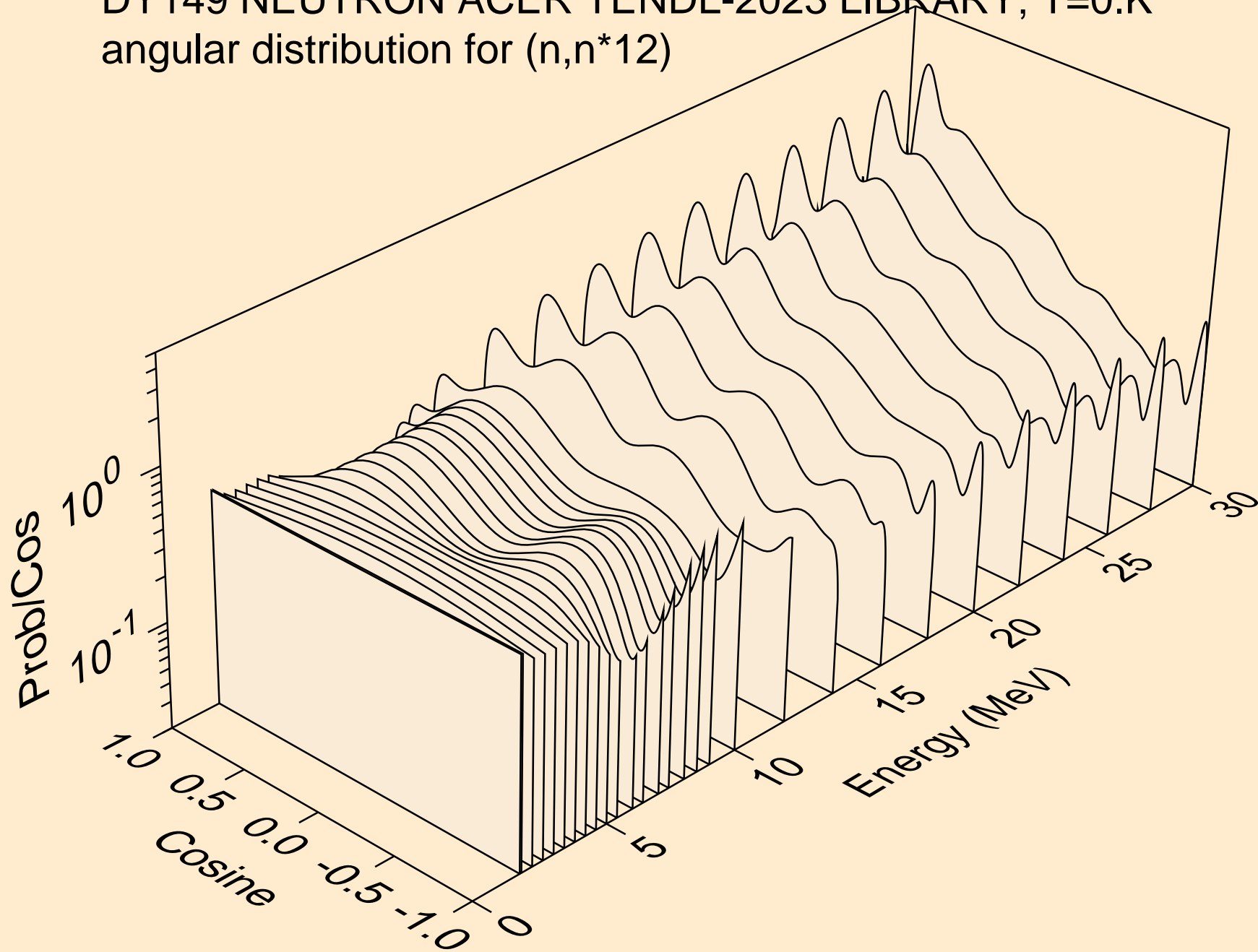
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angular distribution for (n,n\*10)



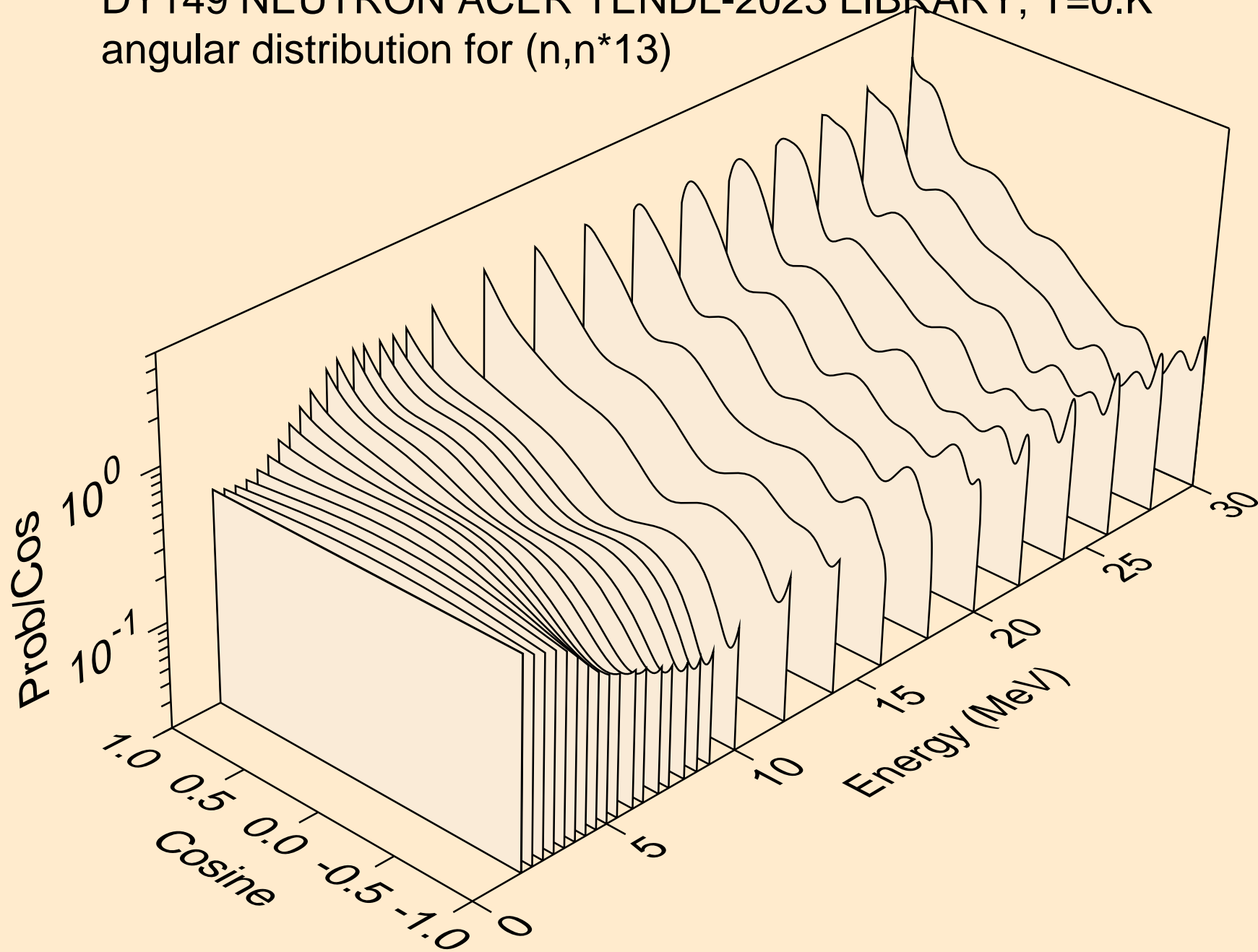
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angular distribution for (n,n\*11)



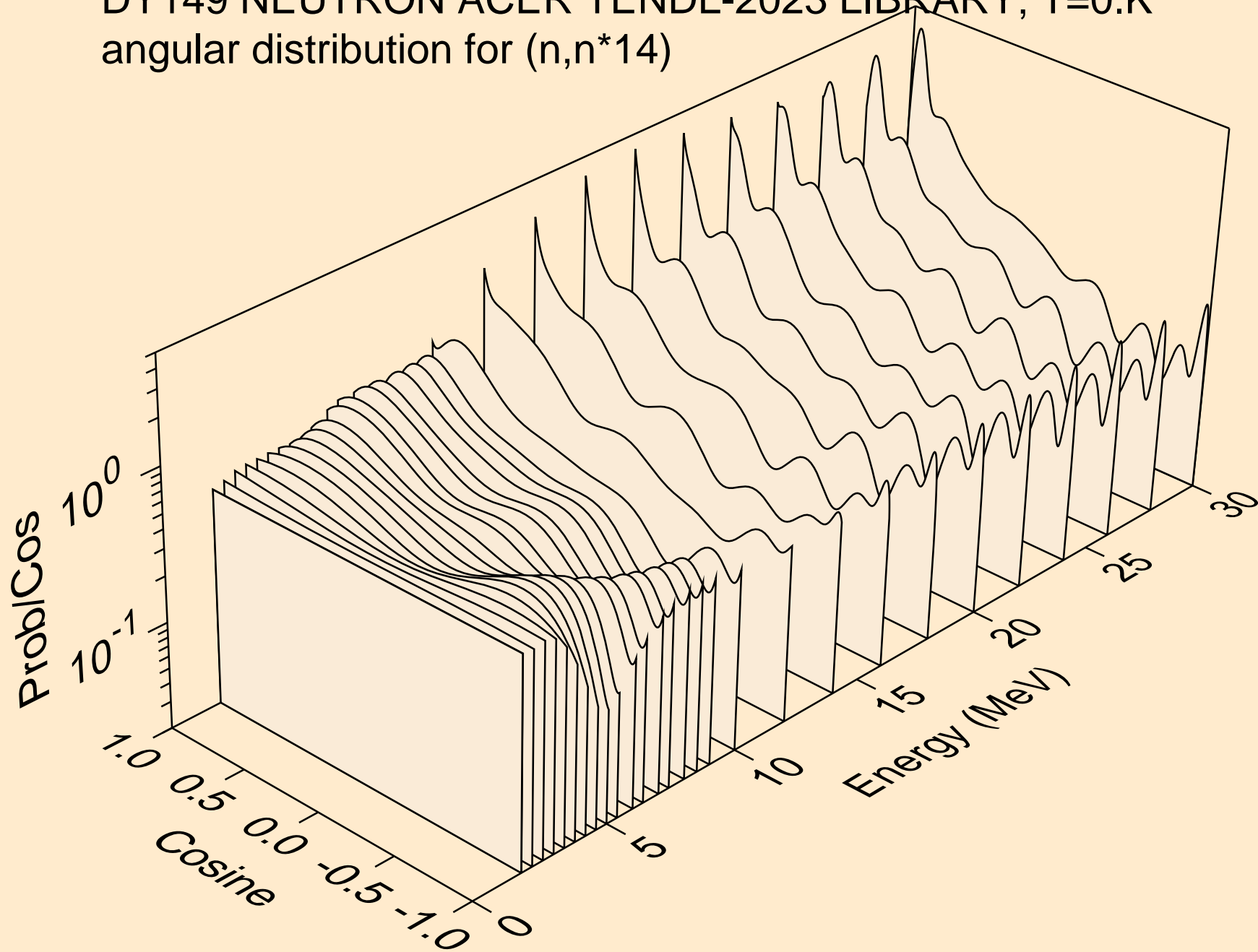
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angular distribution for (n,n\*12)



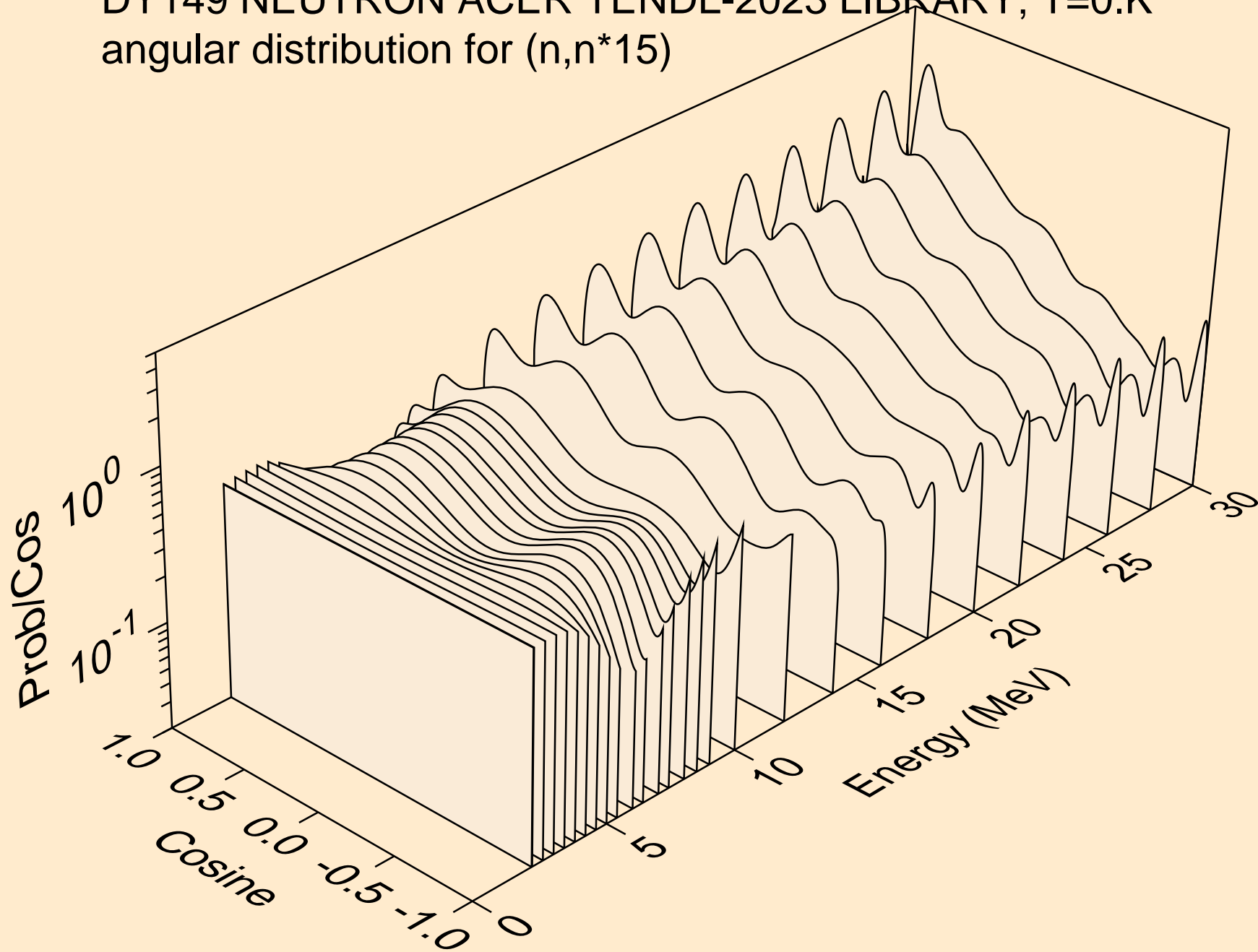
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angular distribution for (n,n\*13)



DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*14)

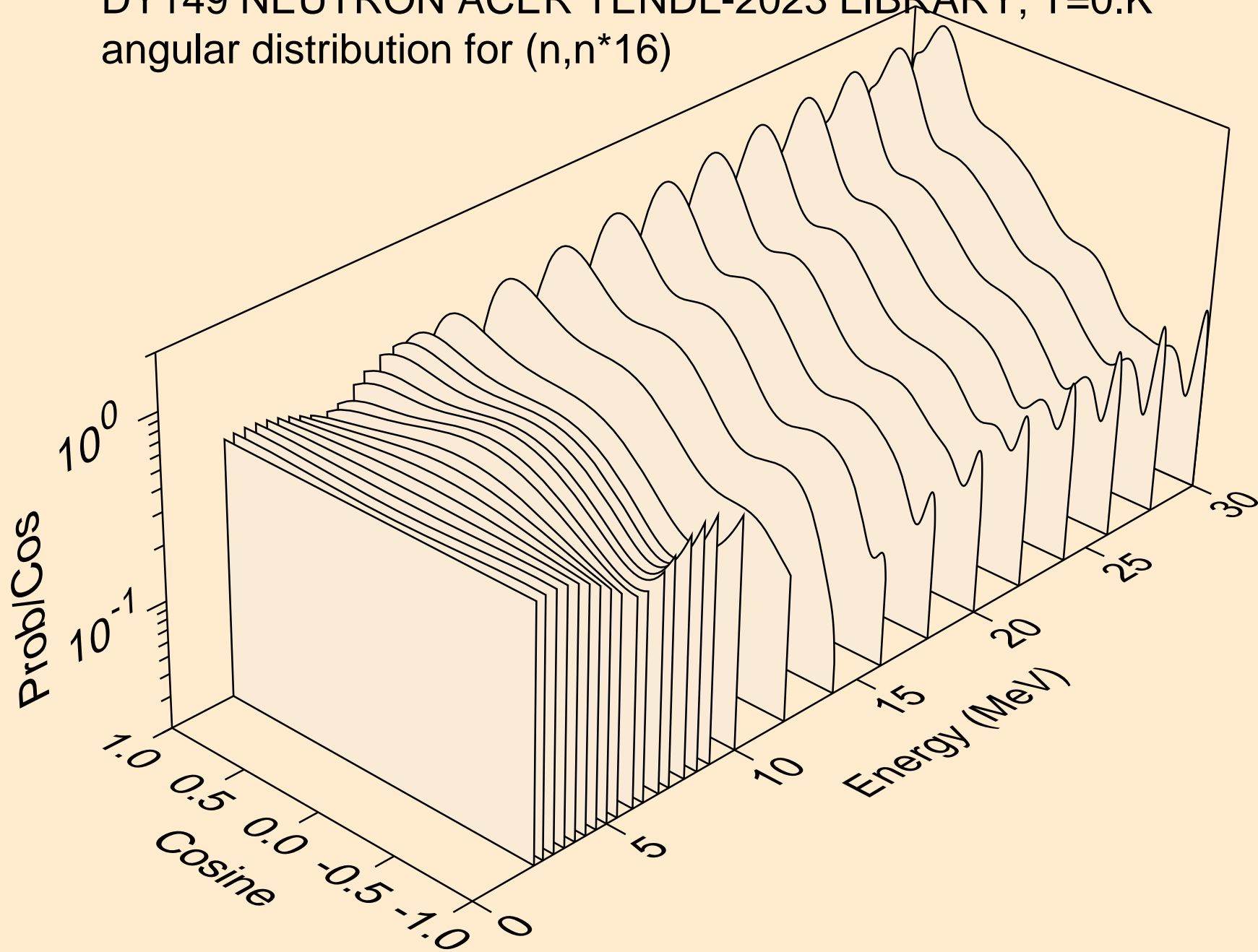


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angular distribution for (n,n\*15)

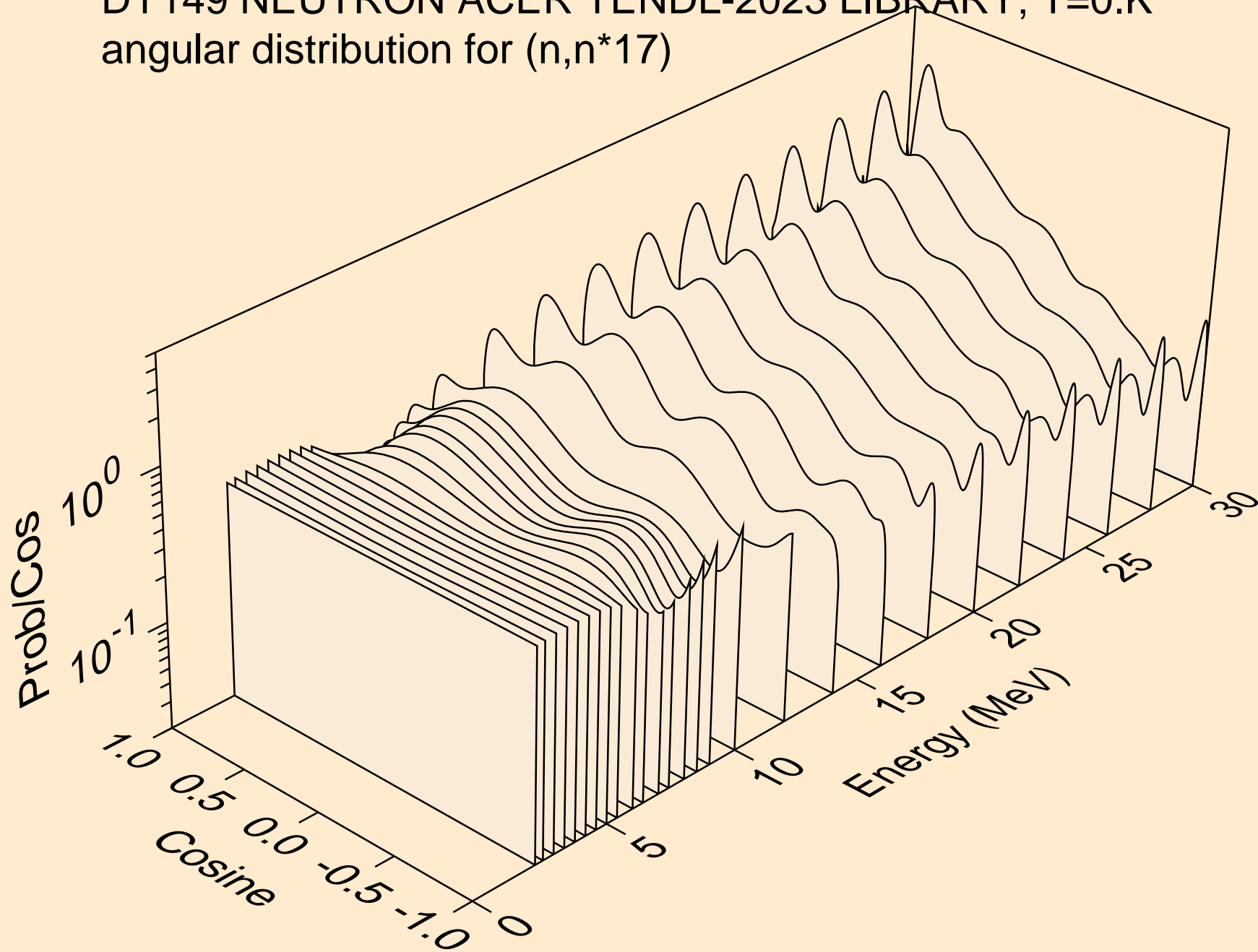




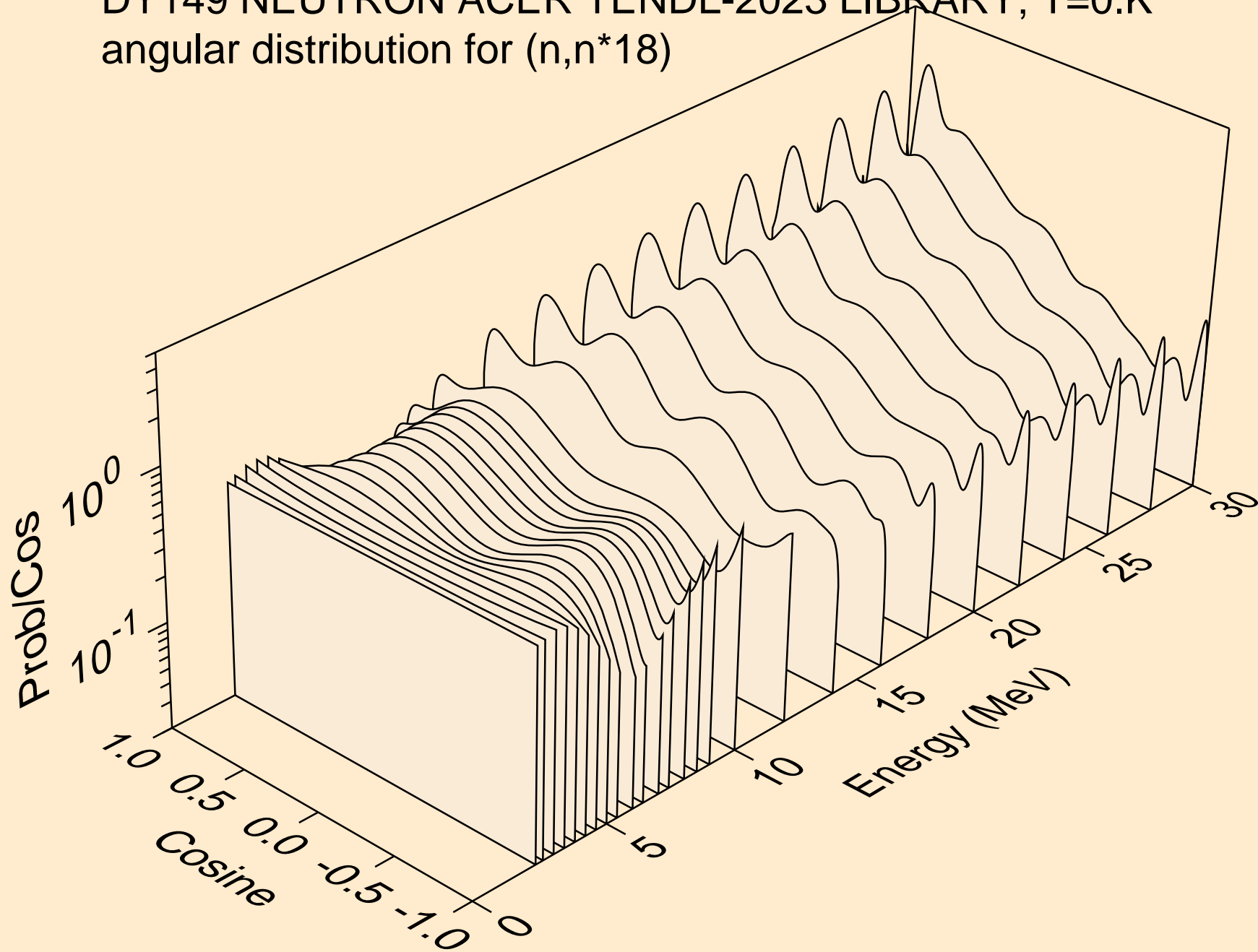
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angular distribution for (n,n\*16)



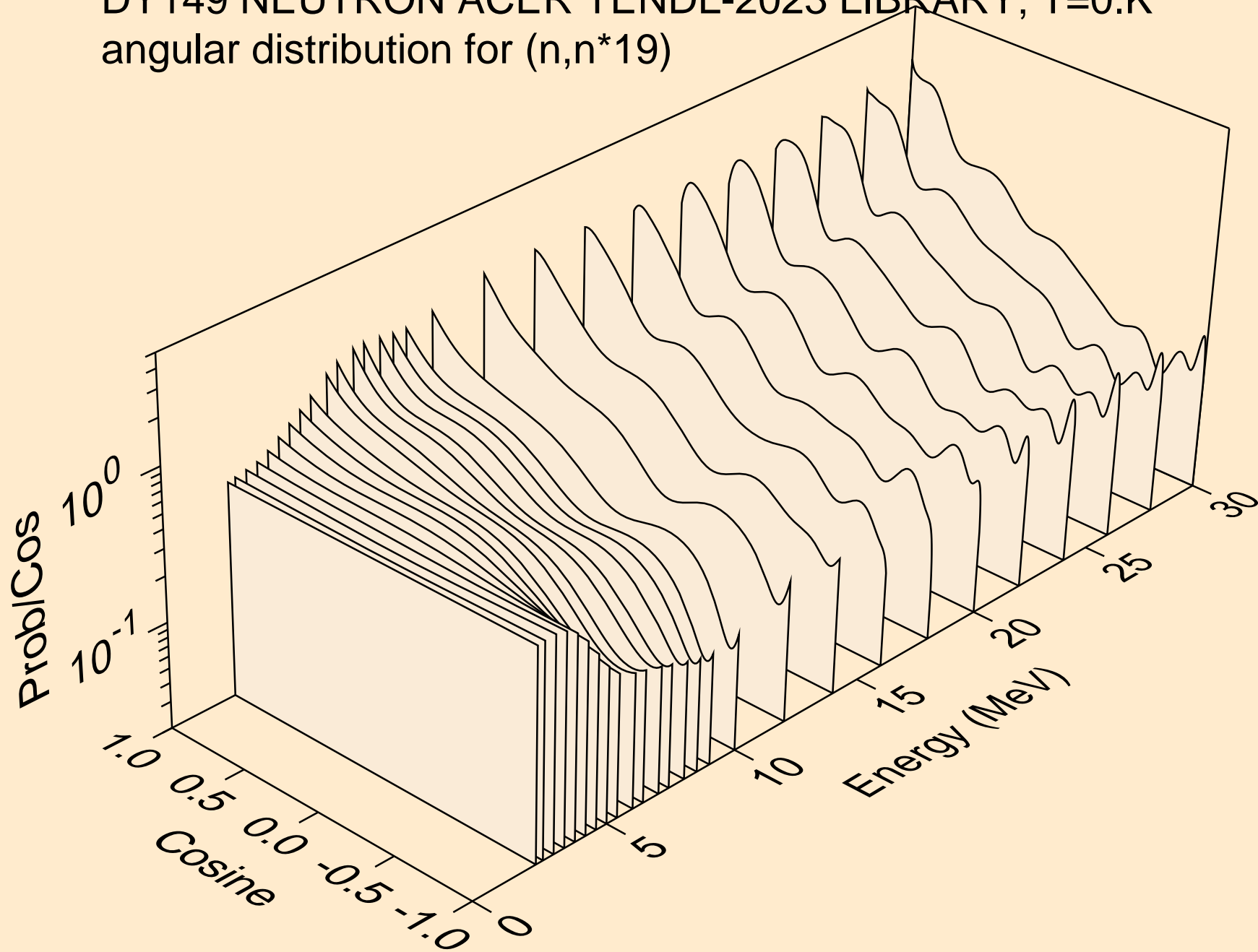
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angular distribution for (n,n\*17)



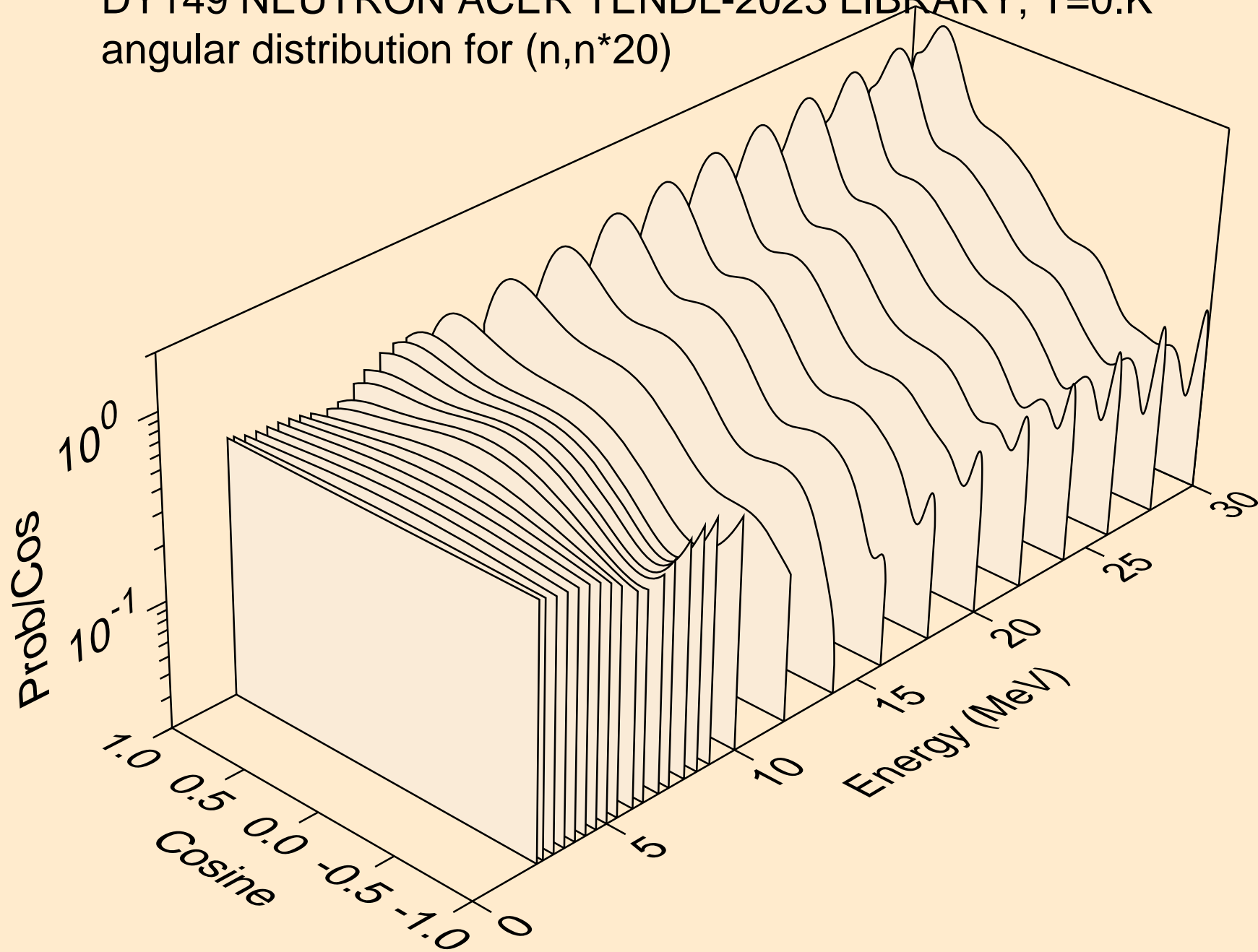
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angular distribution for (n,n\*18)



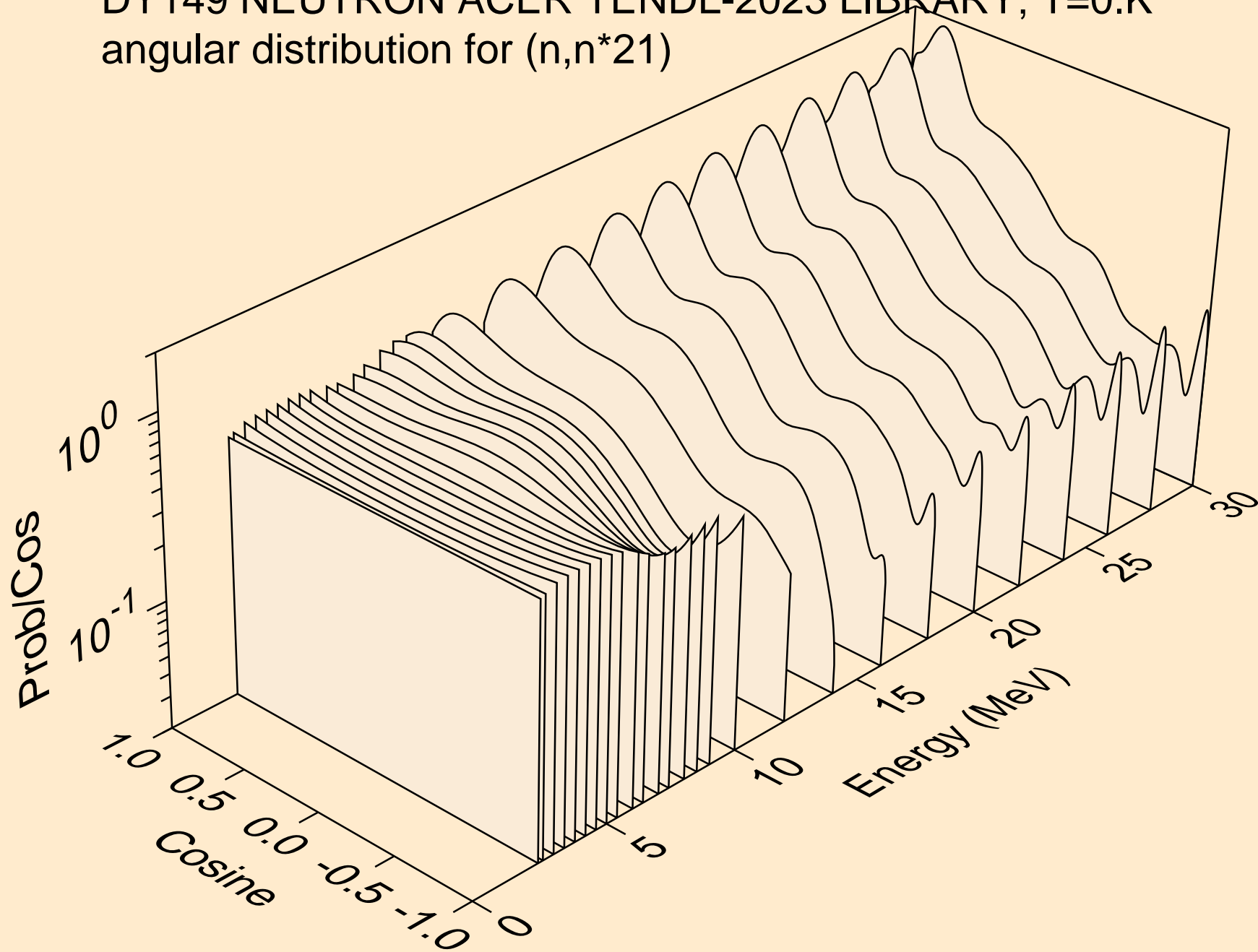
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angular distribution for (n,n\*19)



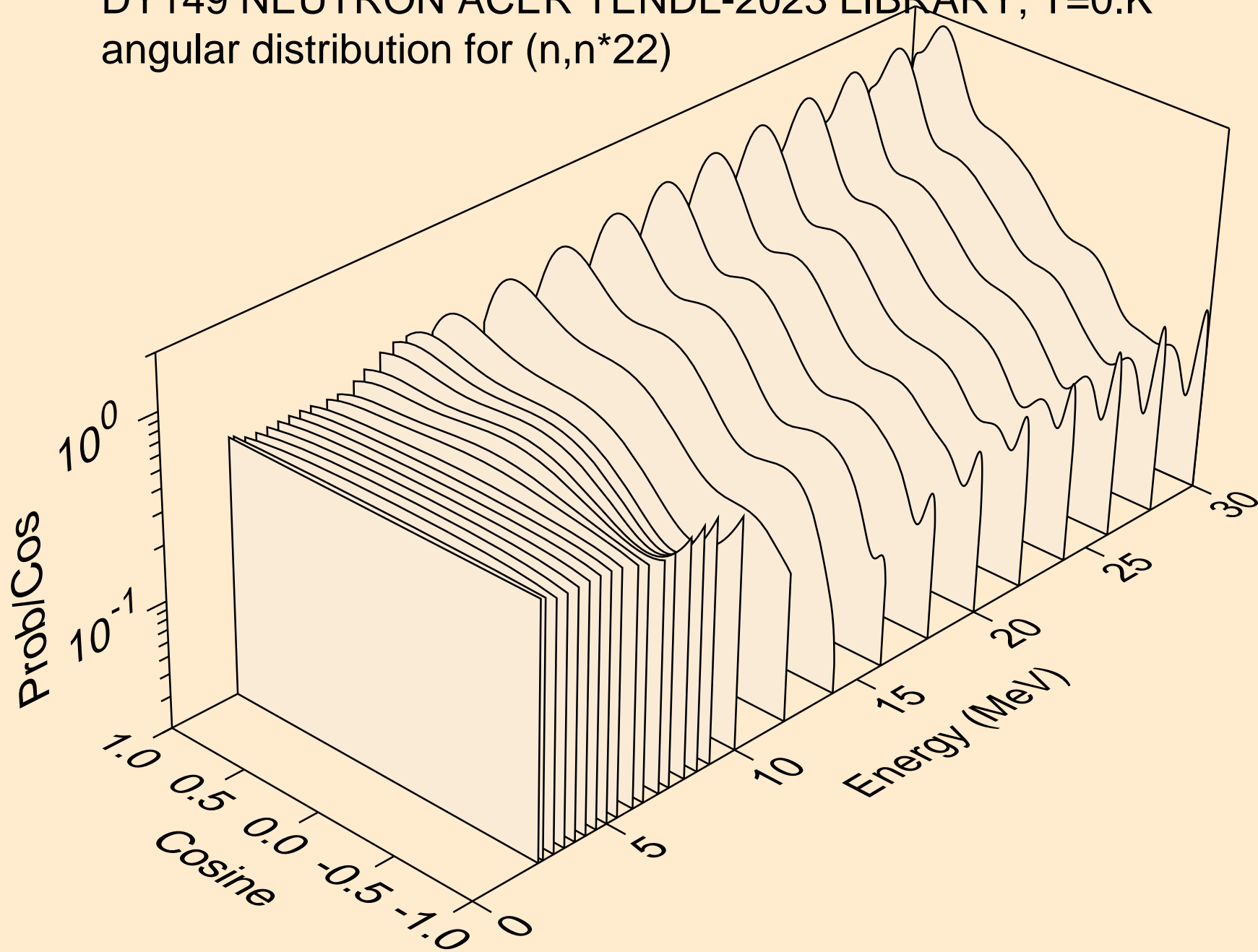
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angular distribution for (n,n\*20)



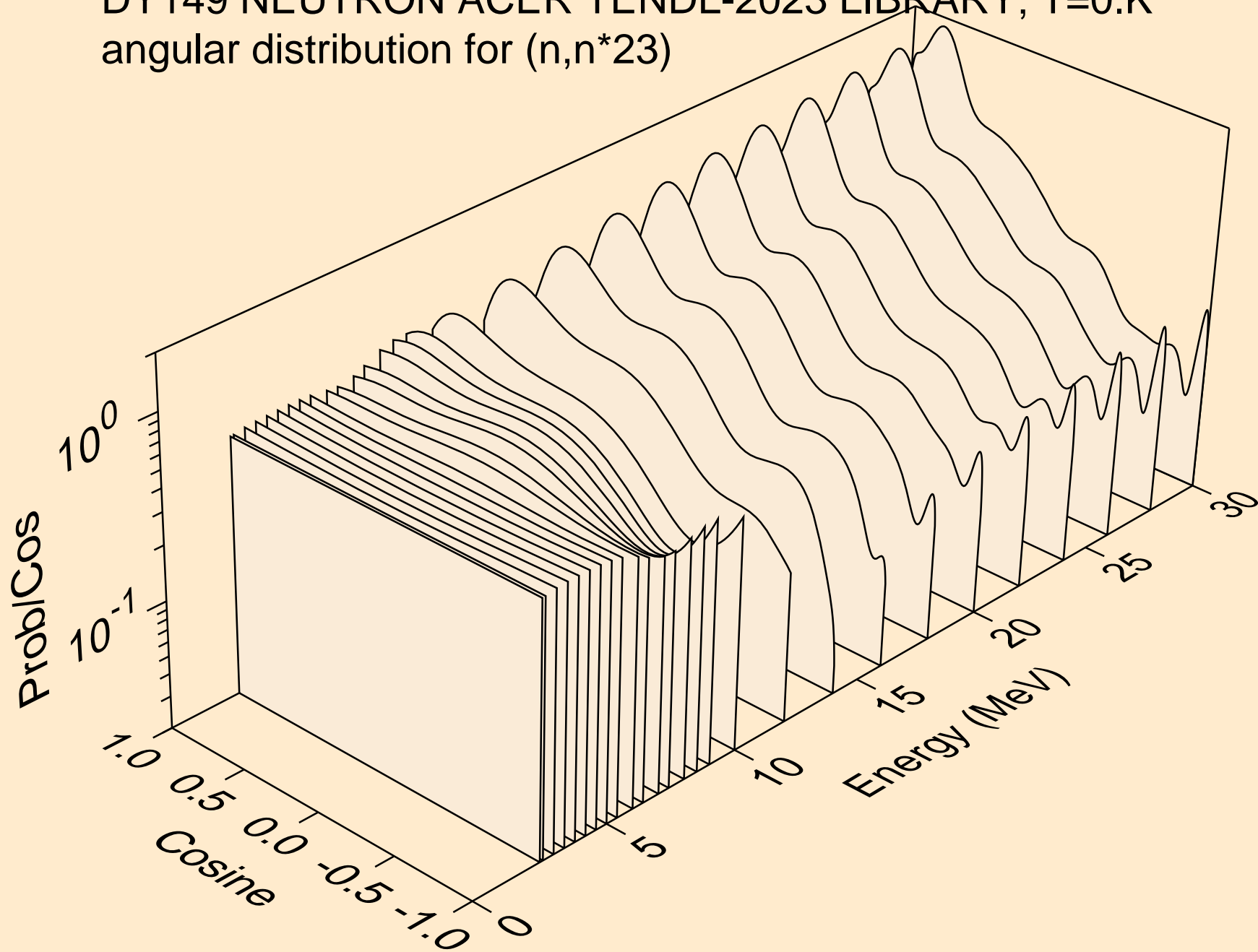
DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*22)

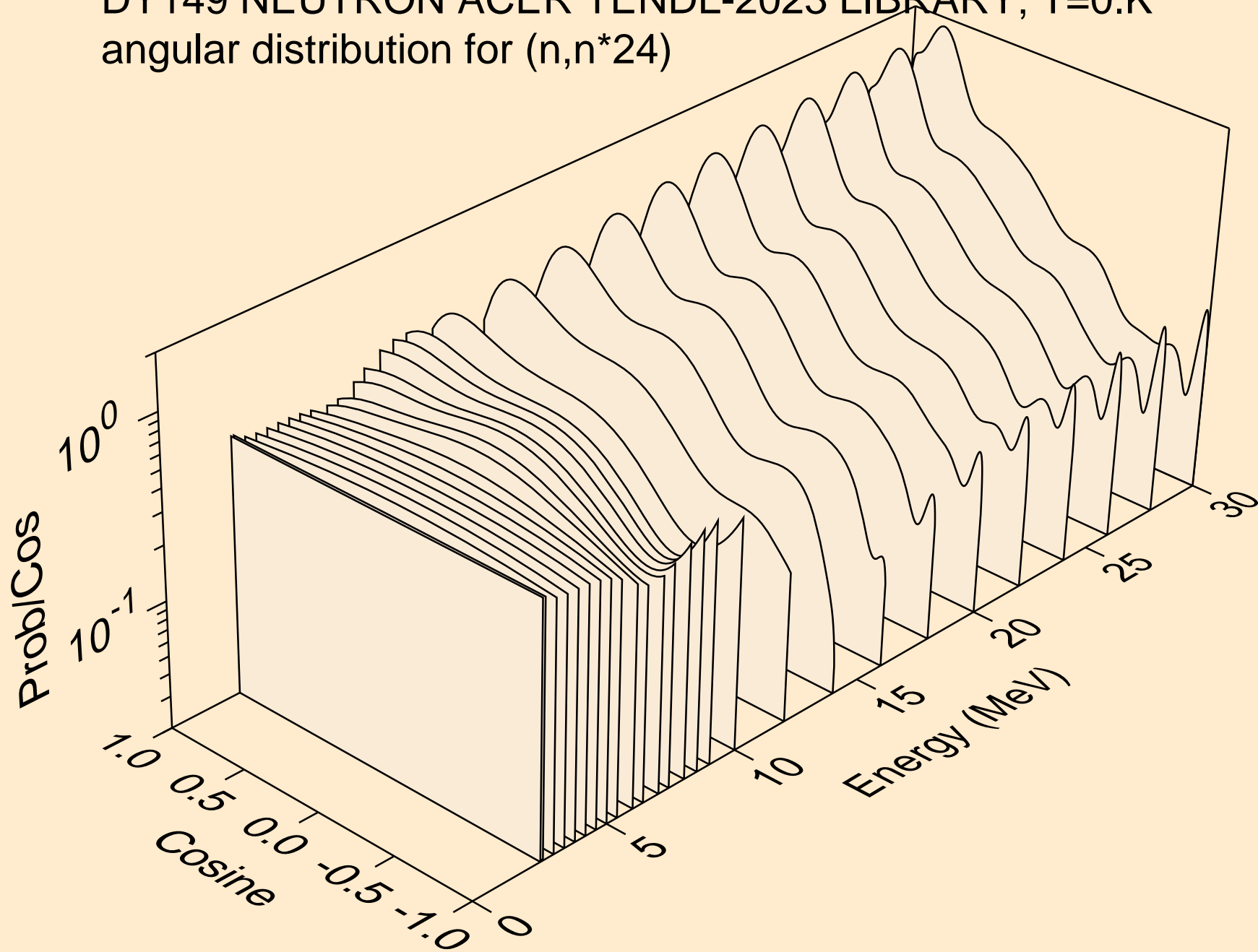


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angular distribution for (n,n\*23)

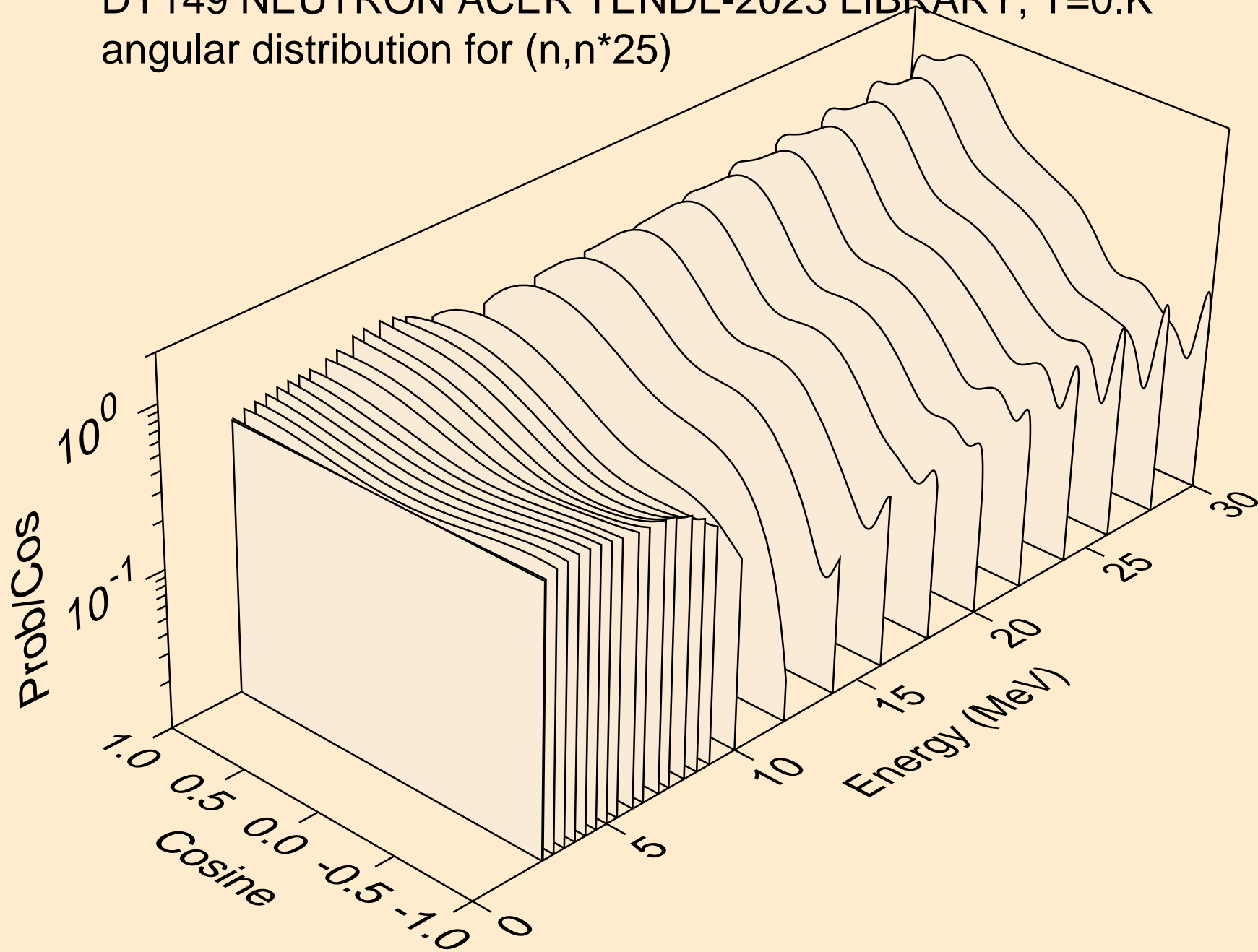




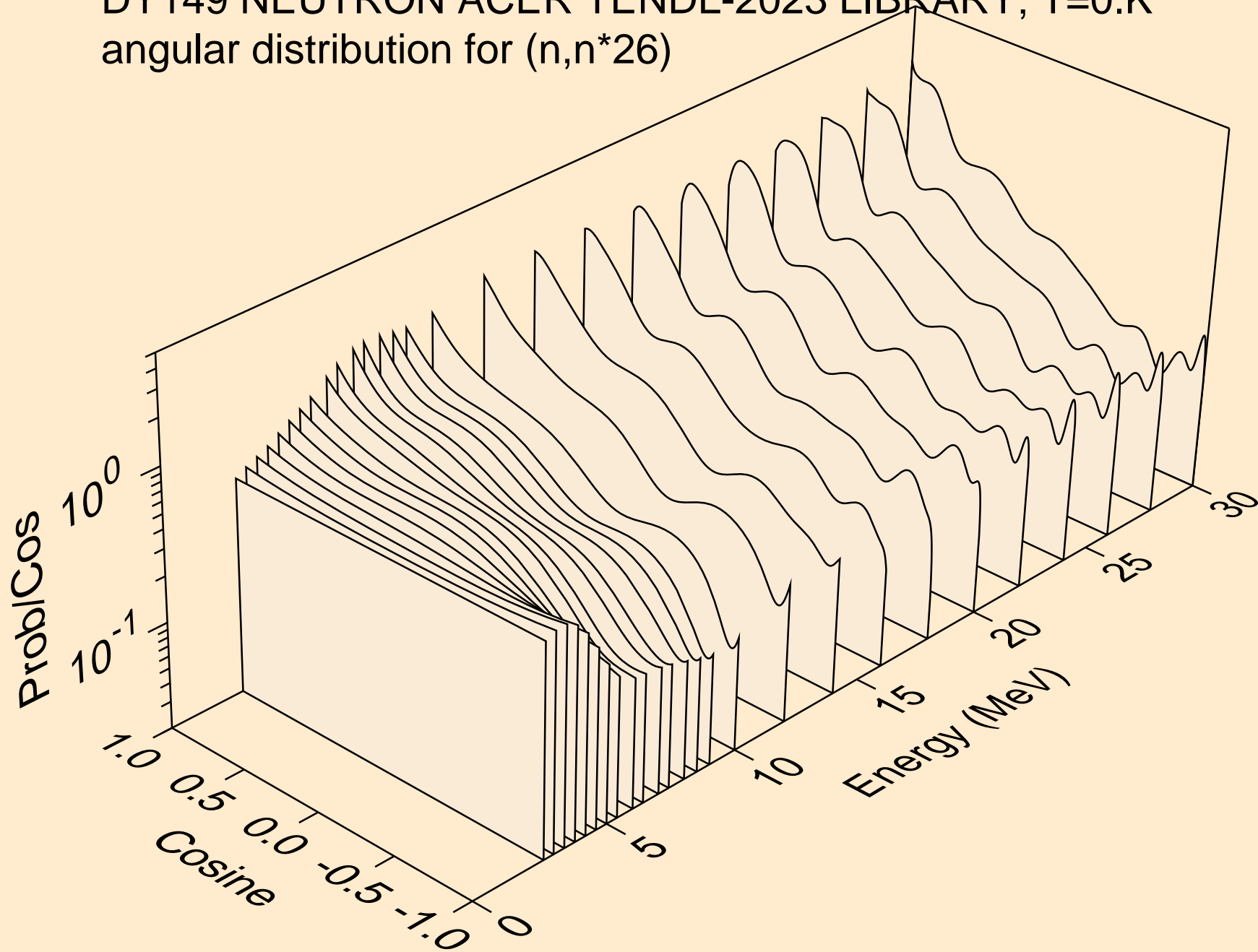
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angular distribution for (n,n\*24)



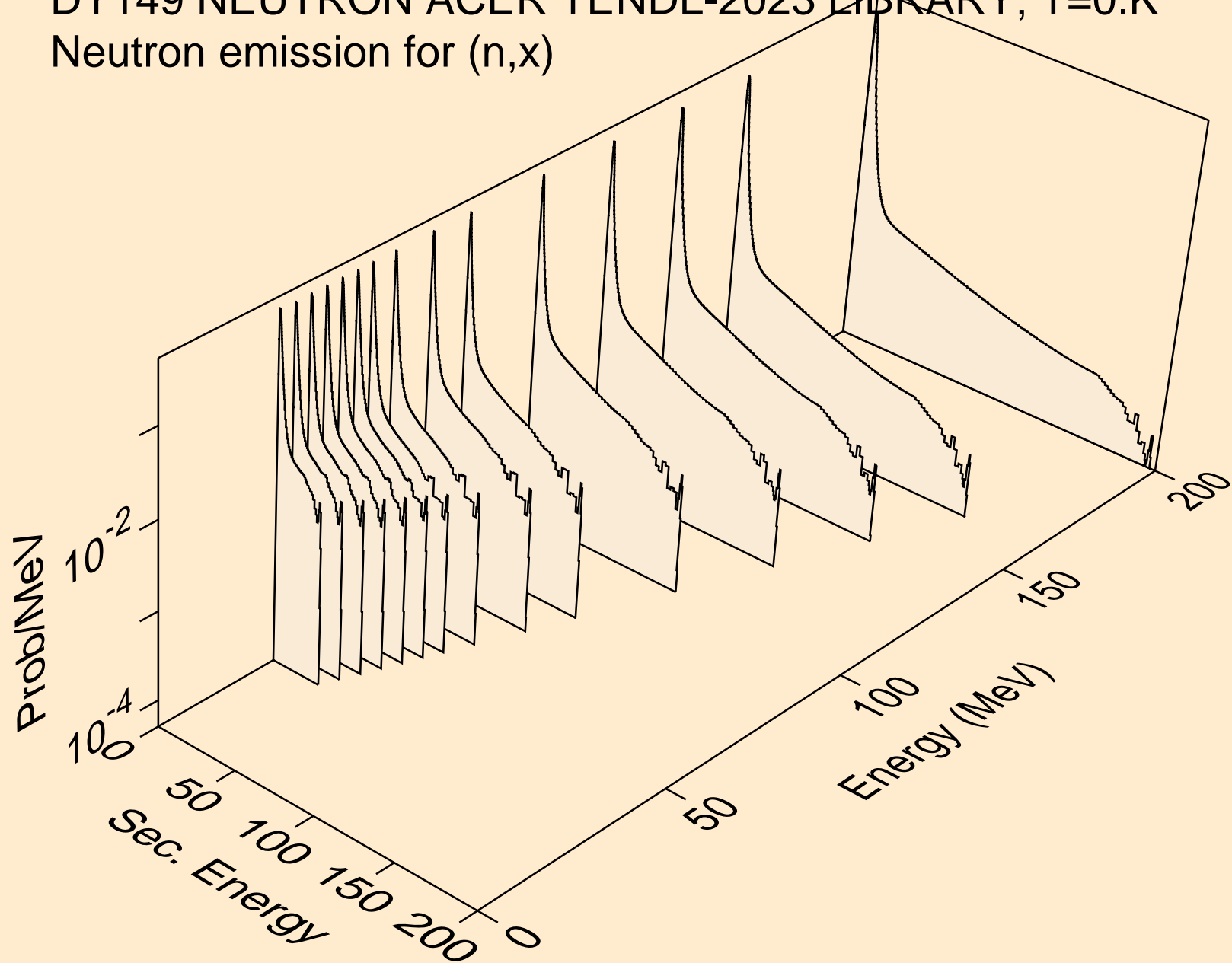
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angular distribution for (n,n\*25)



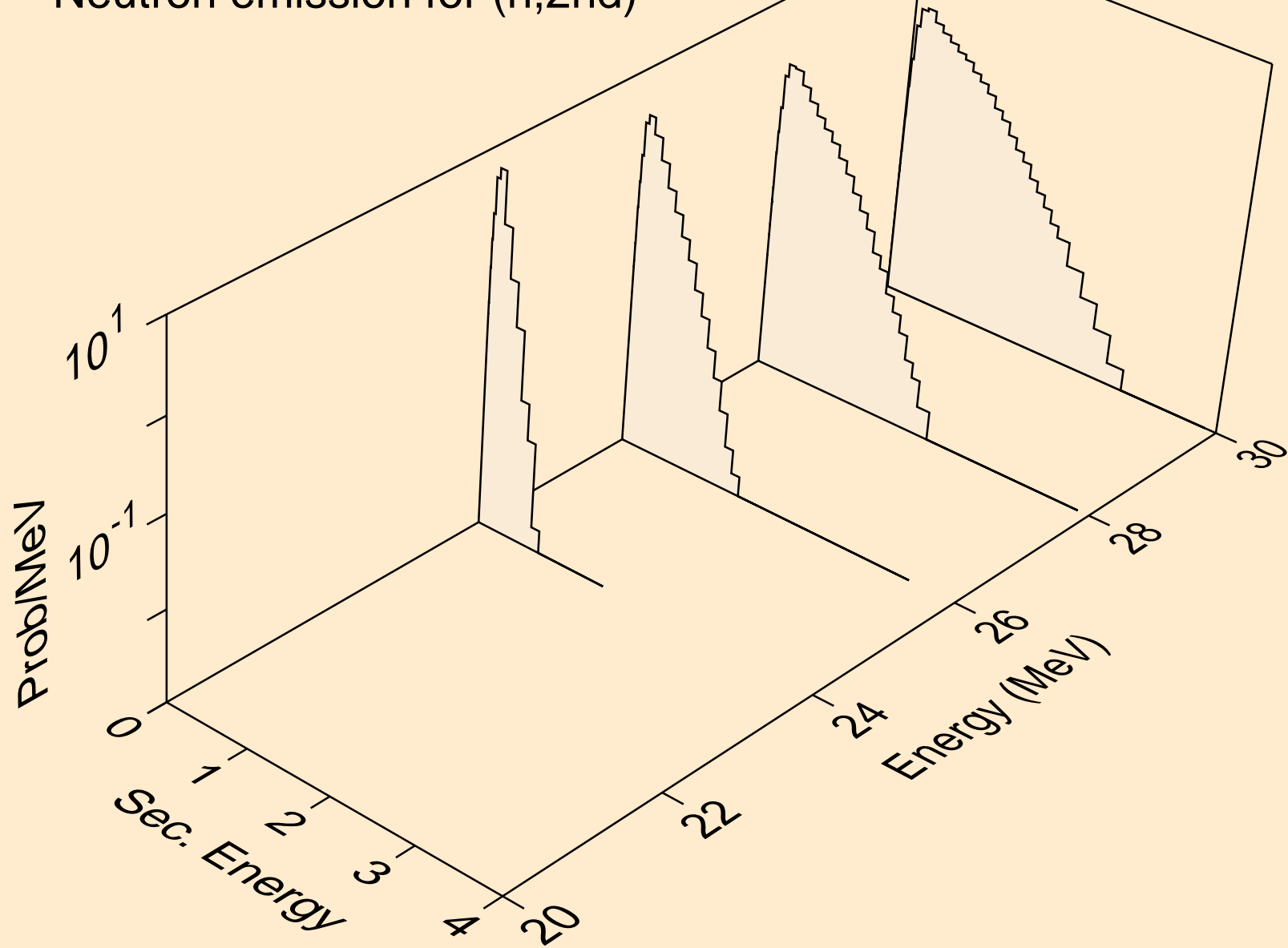
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angular distribution for (n,n\*26)



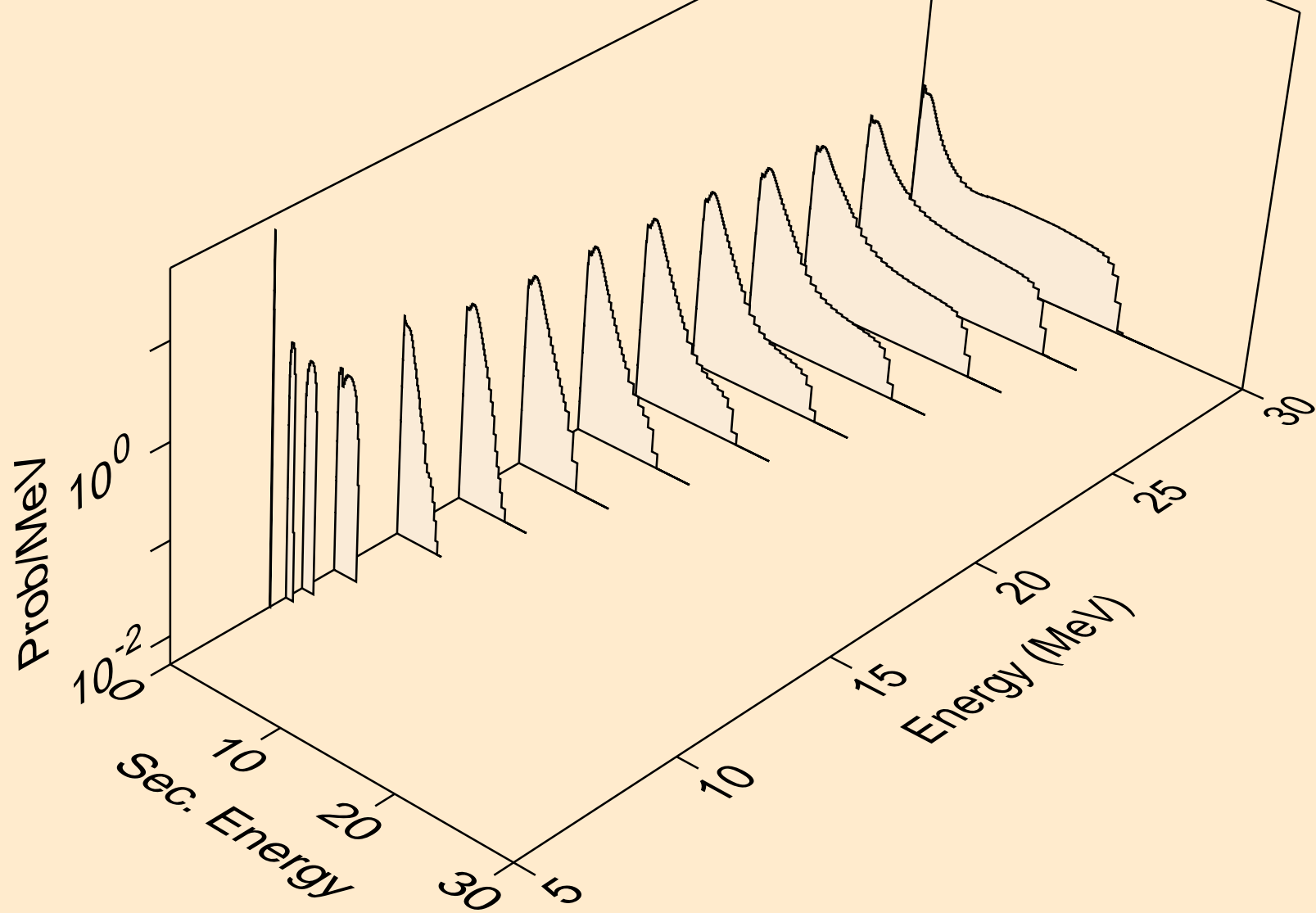
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Neutron emission for (n,x)



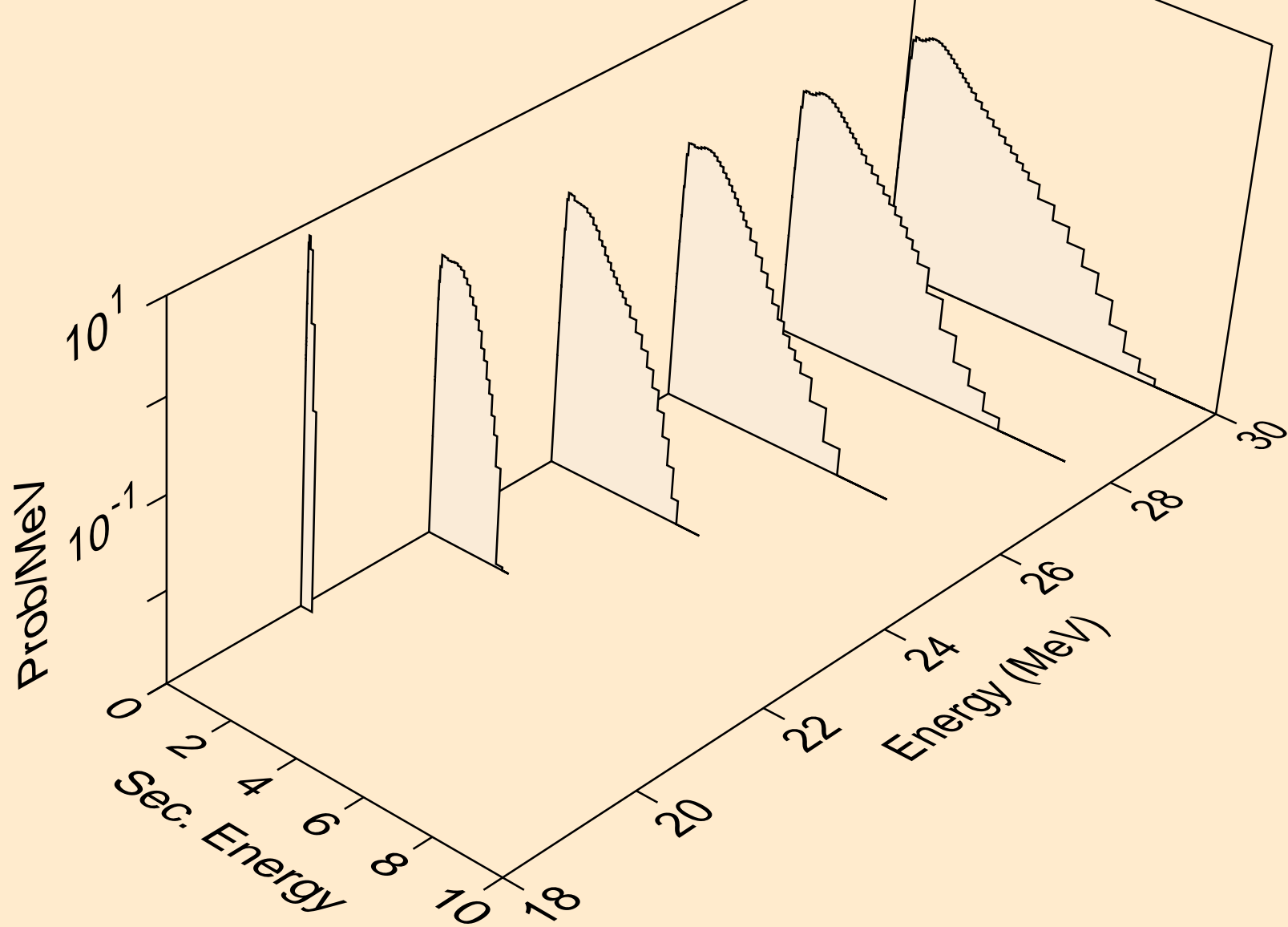
DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



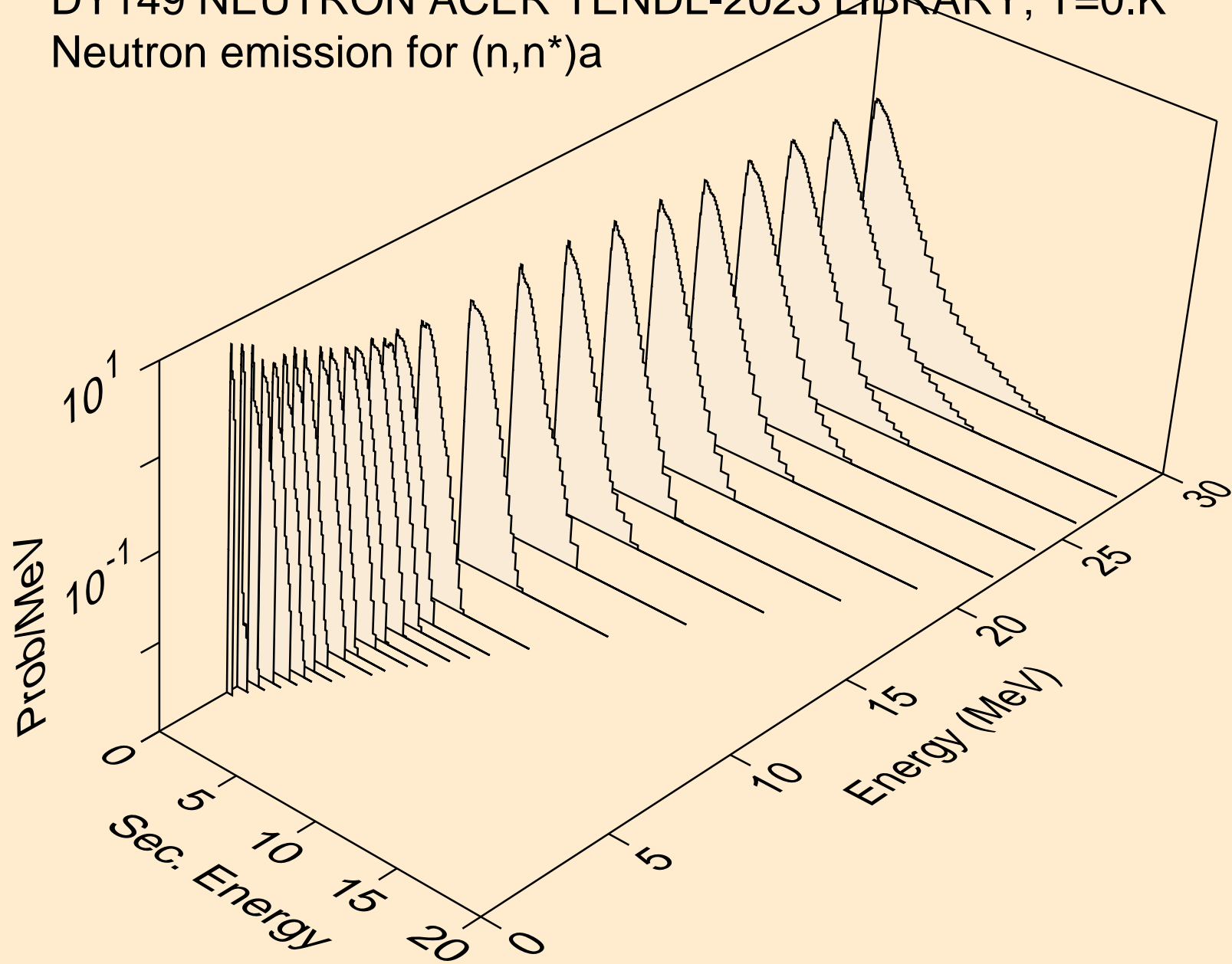
DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)

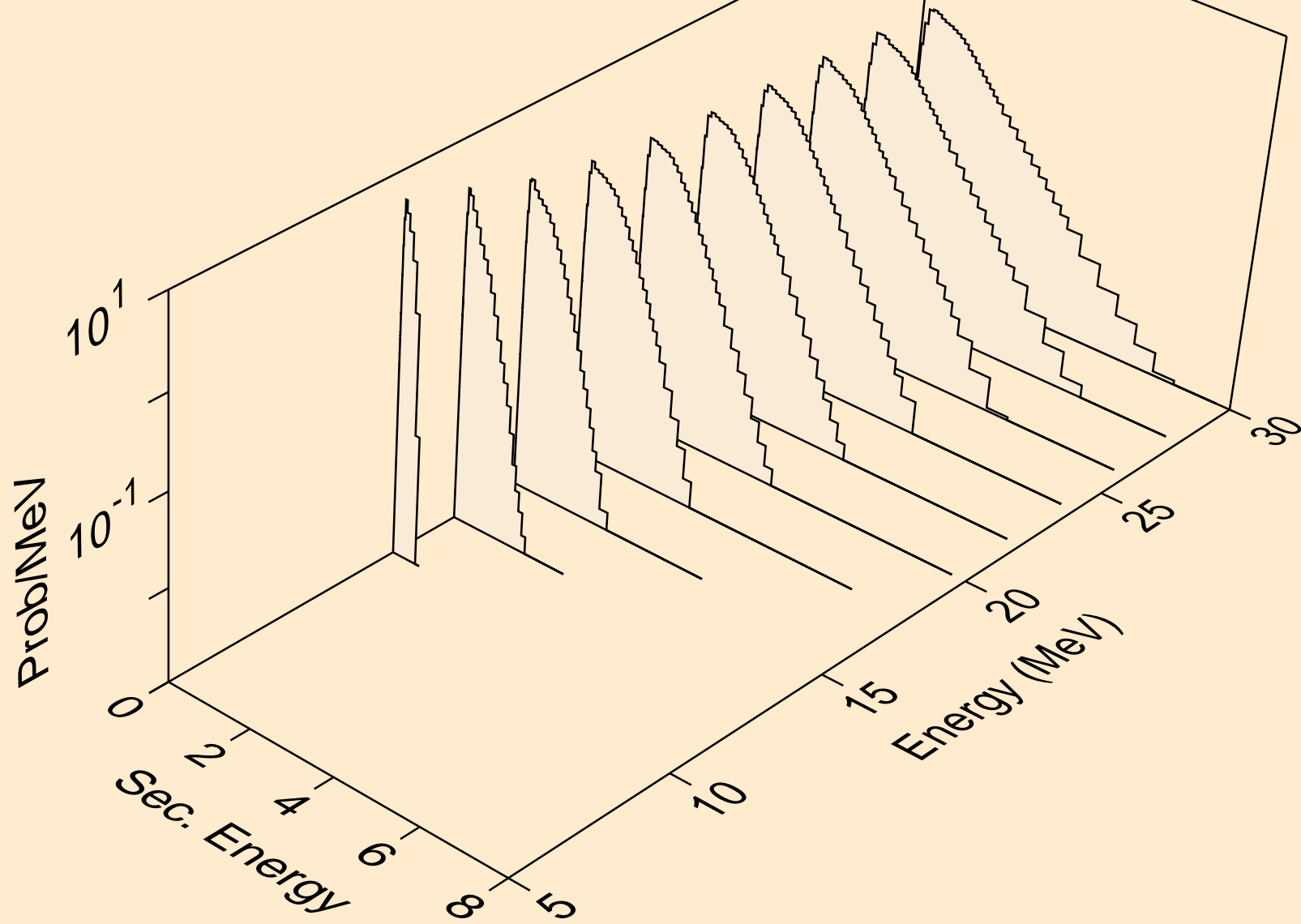


DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

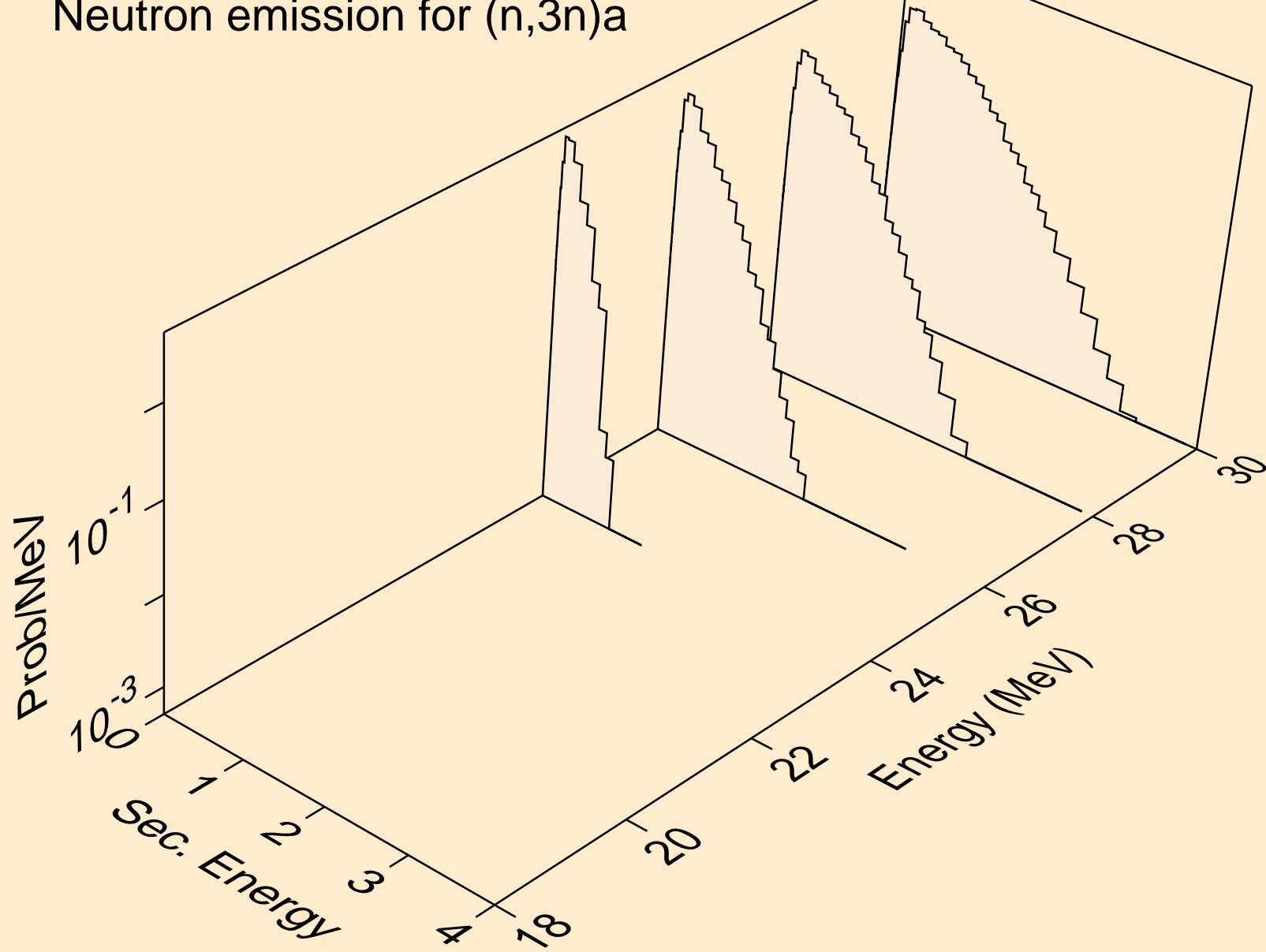




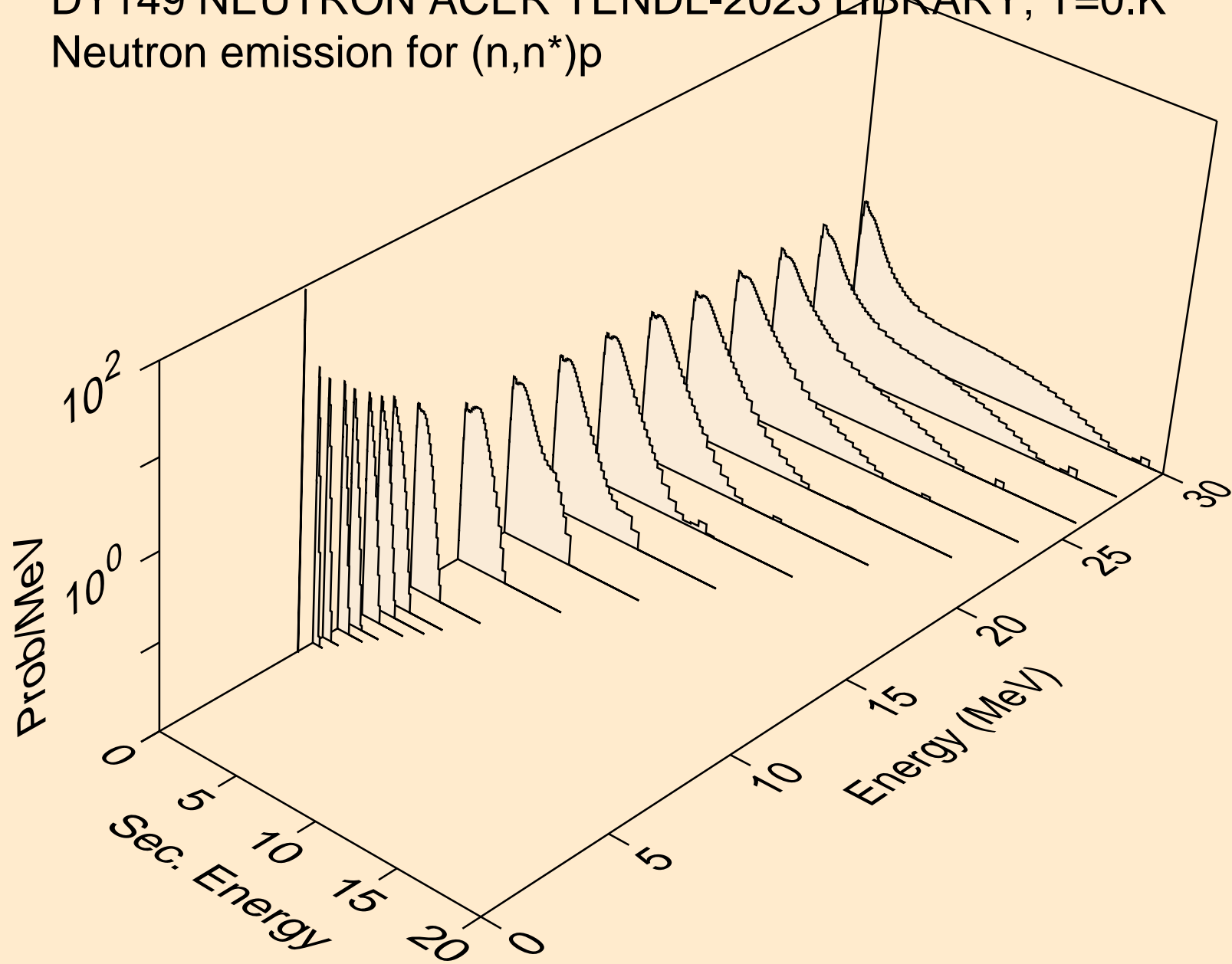
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Neutron emission for (n,2n)a



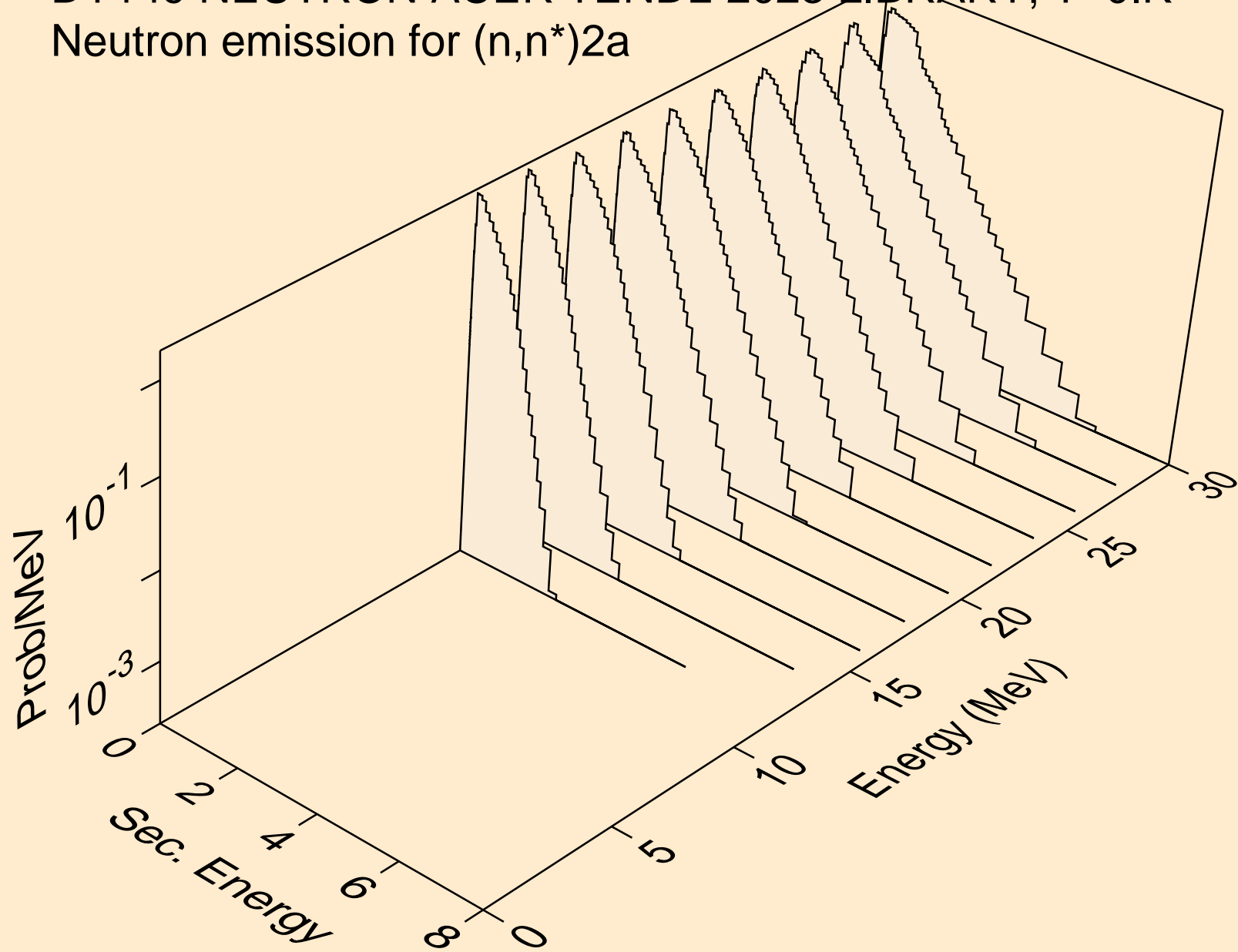
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Neutron emission for (n,3n)a



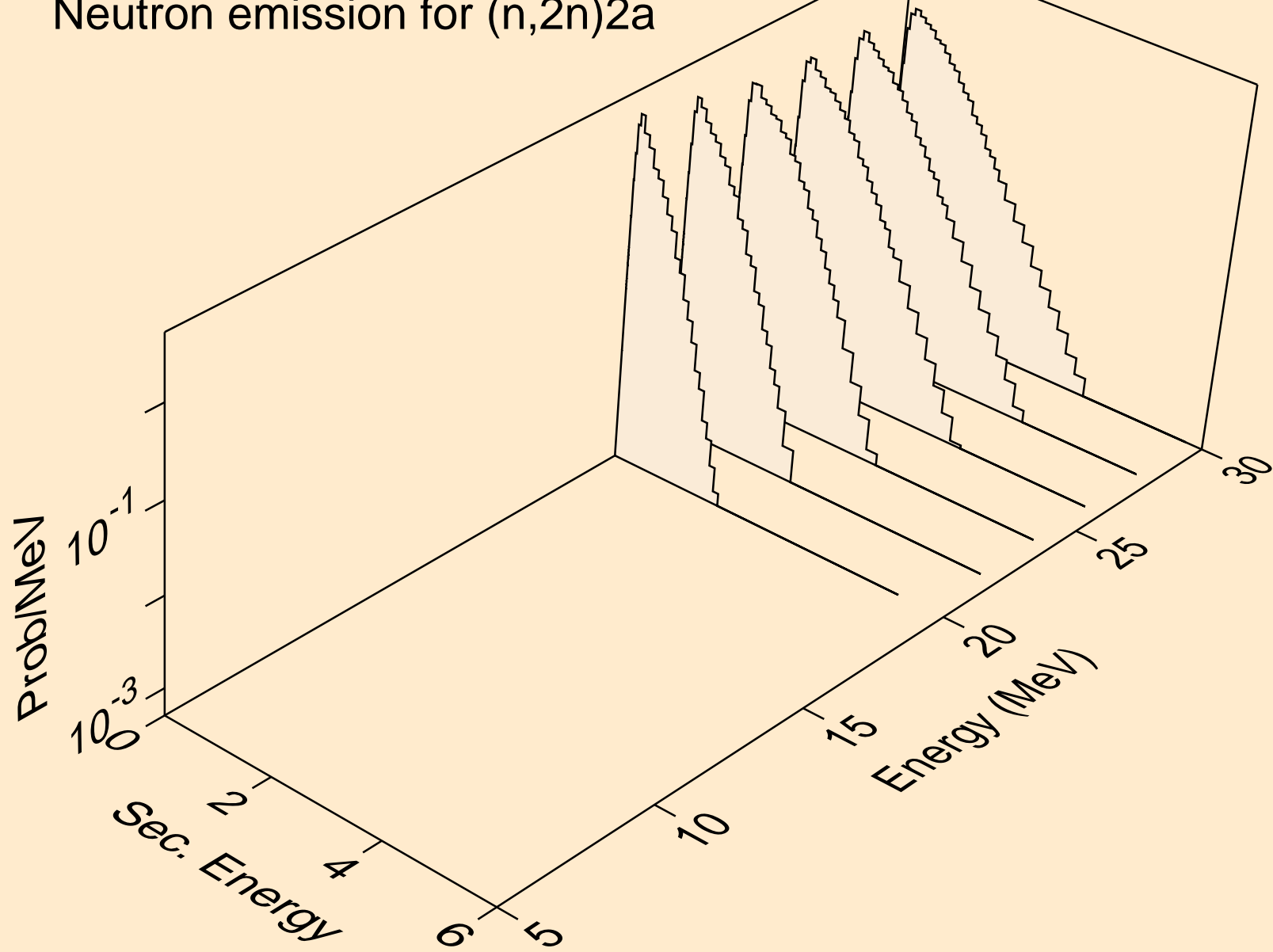
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Neutron emission for (n,n\*)p



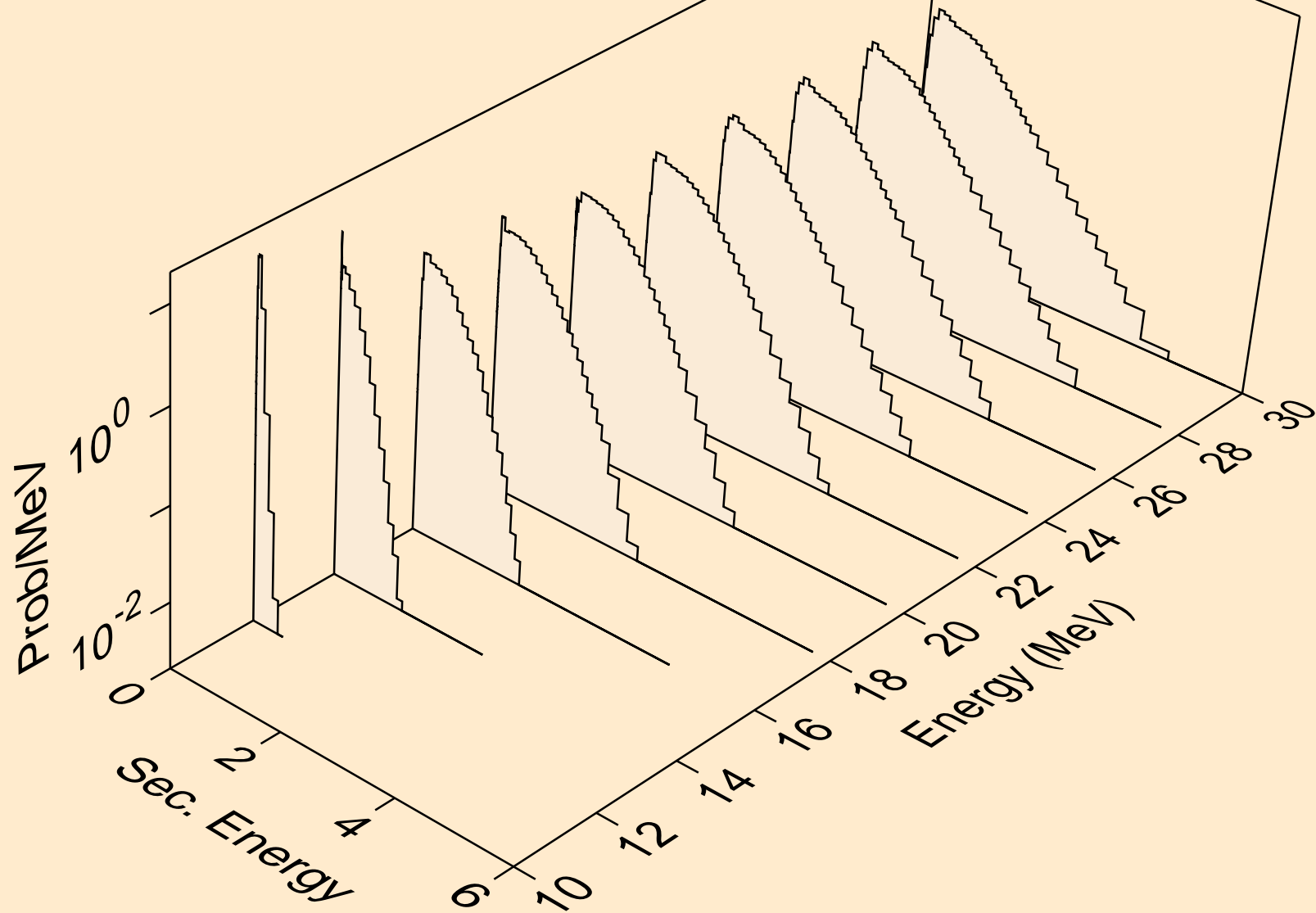
DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



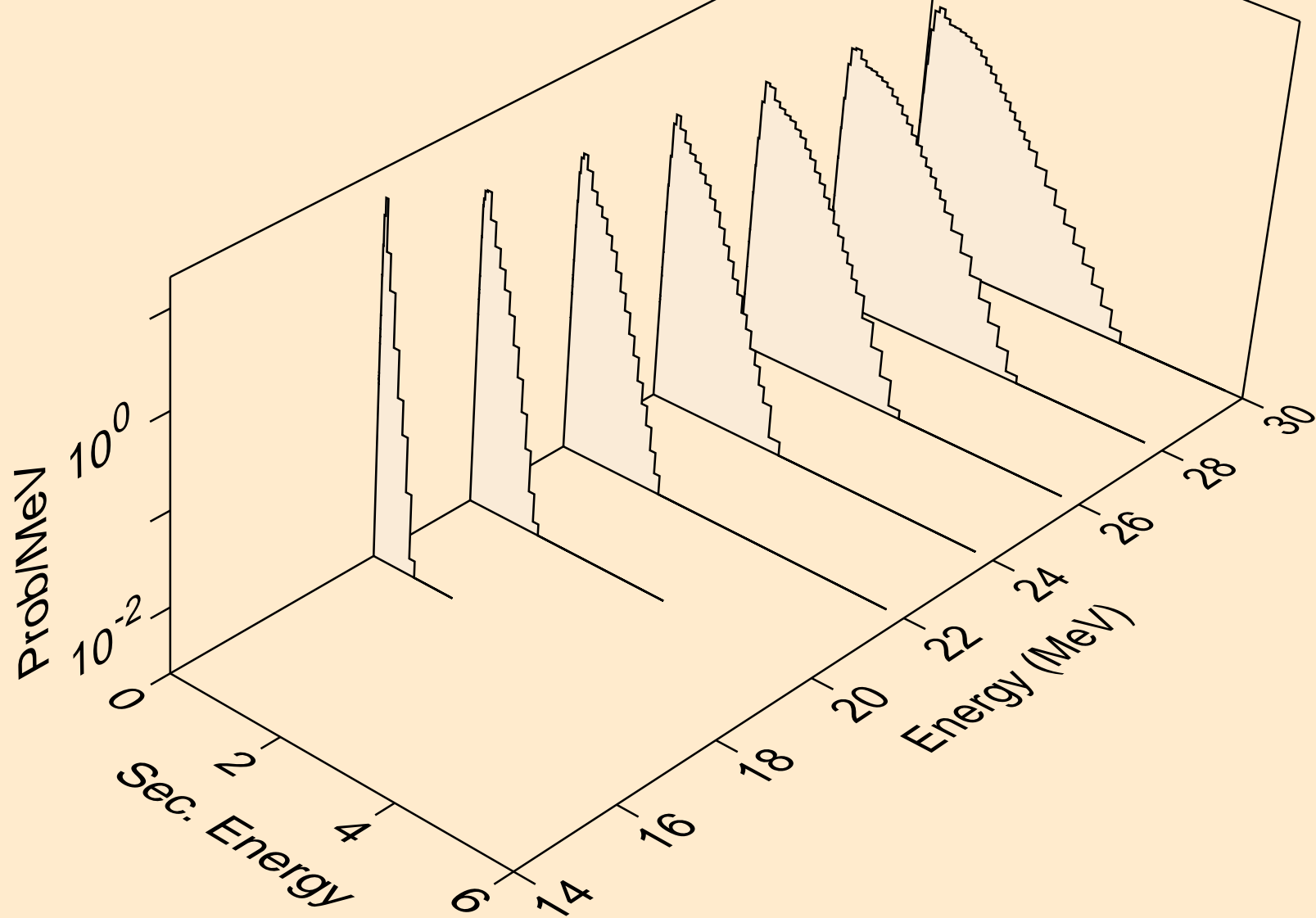
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Neutron emission for (n,2n)2a



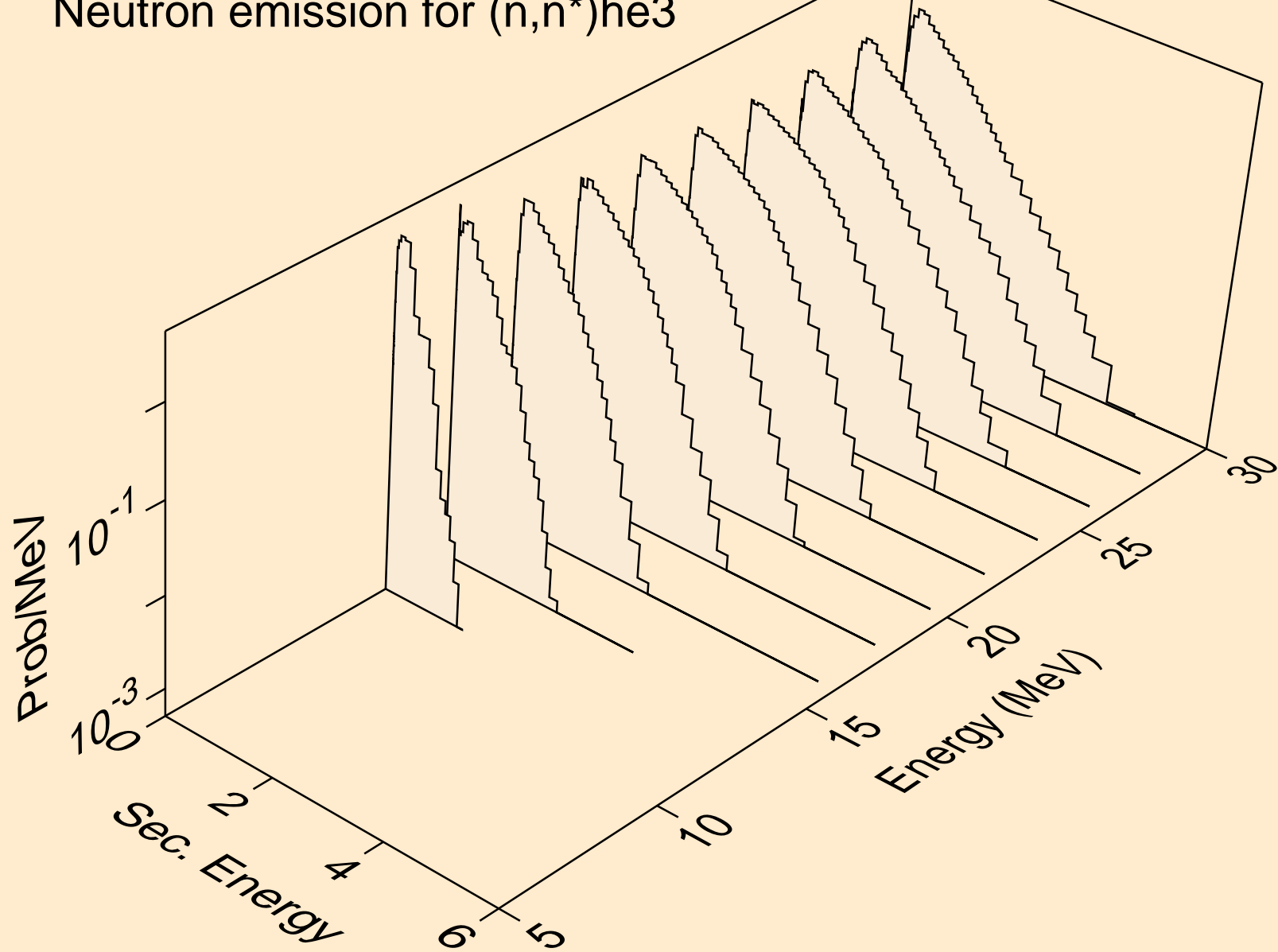
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Neutron emission for (n,n\*)d



DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t

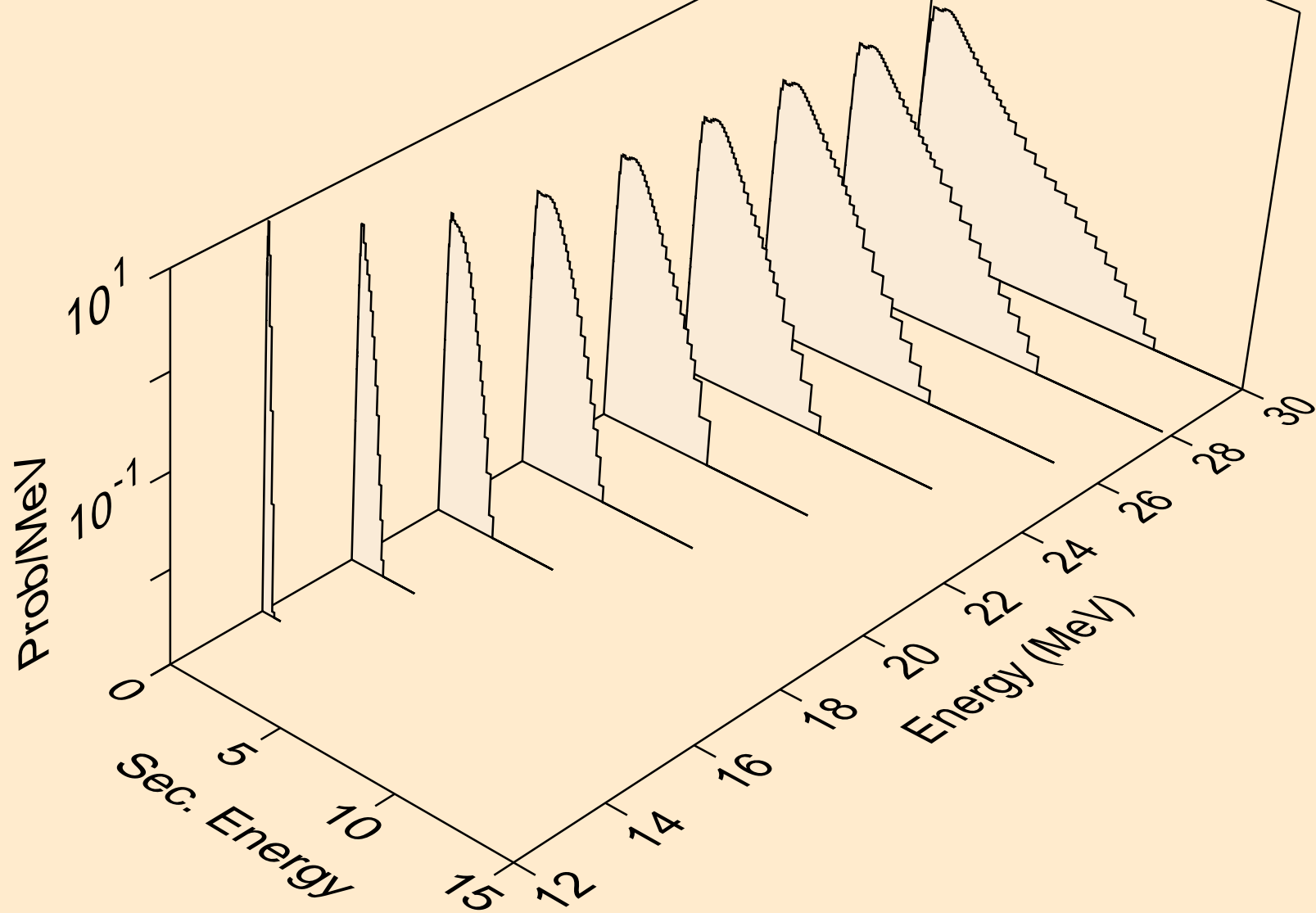


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Neutron emission for (n,n\*)he3

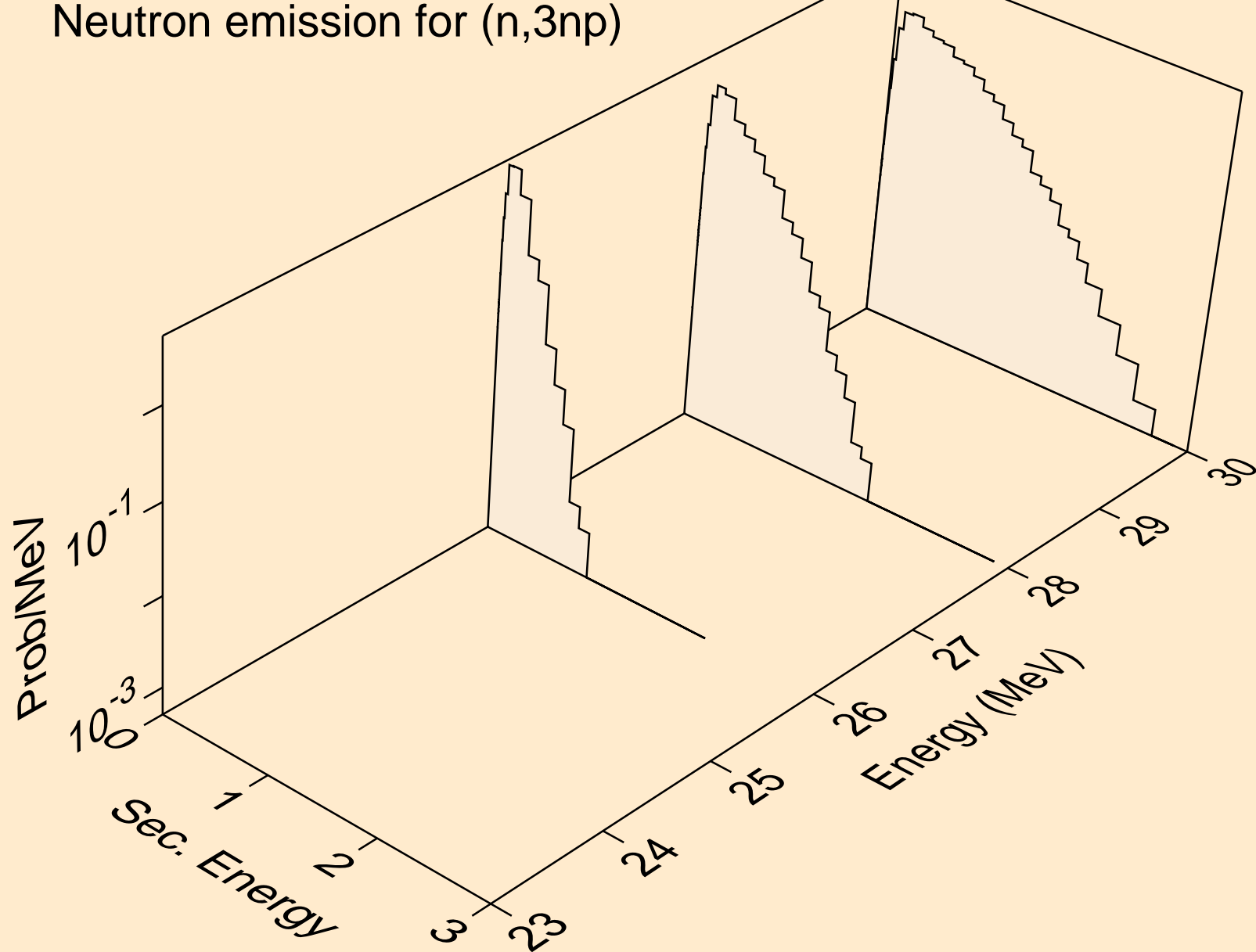




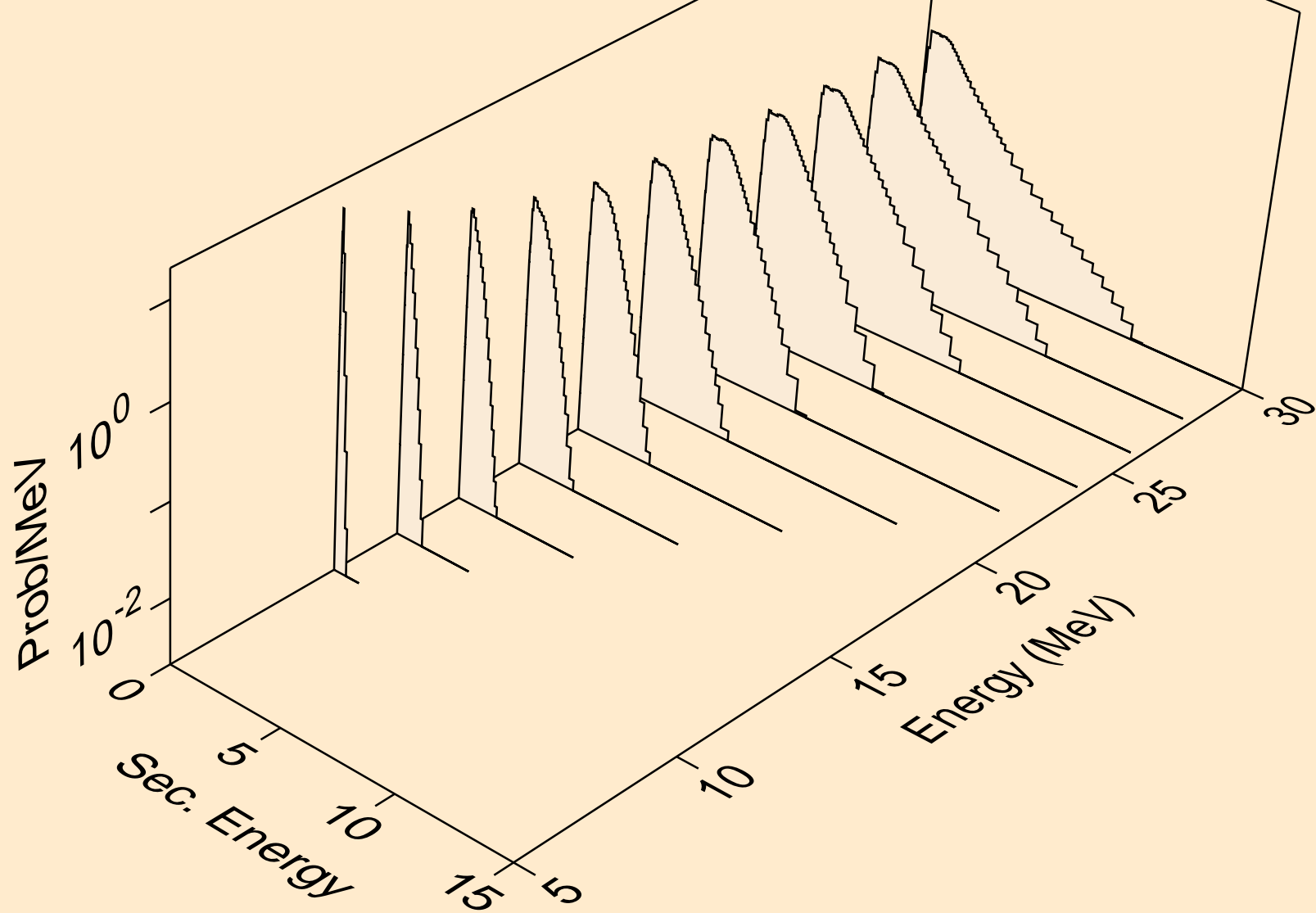
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Neutron emission for (n,2np)



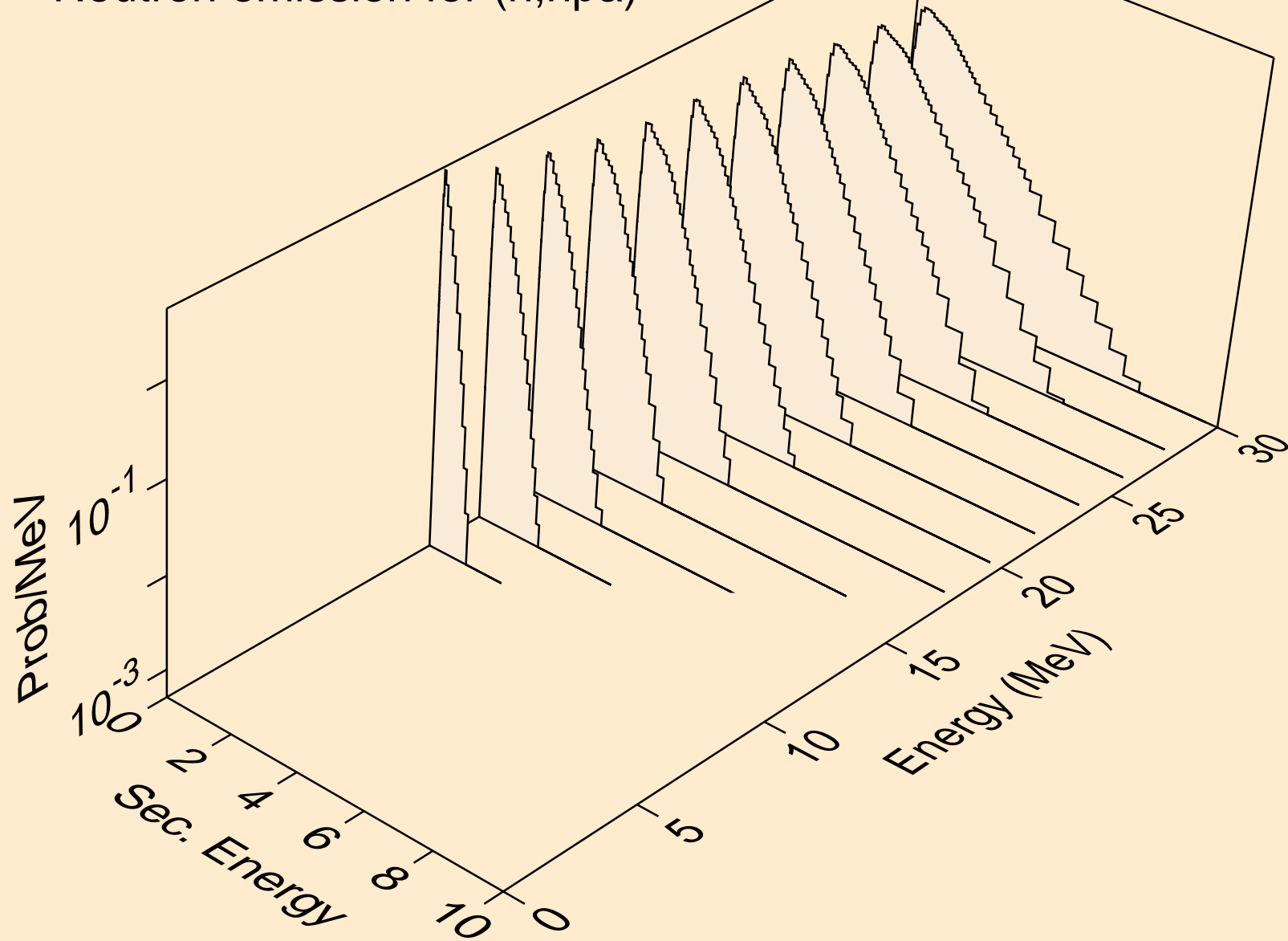
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Neutron emission for (n,3np)



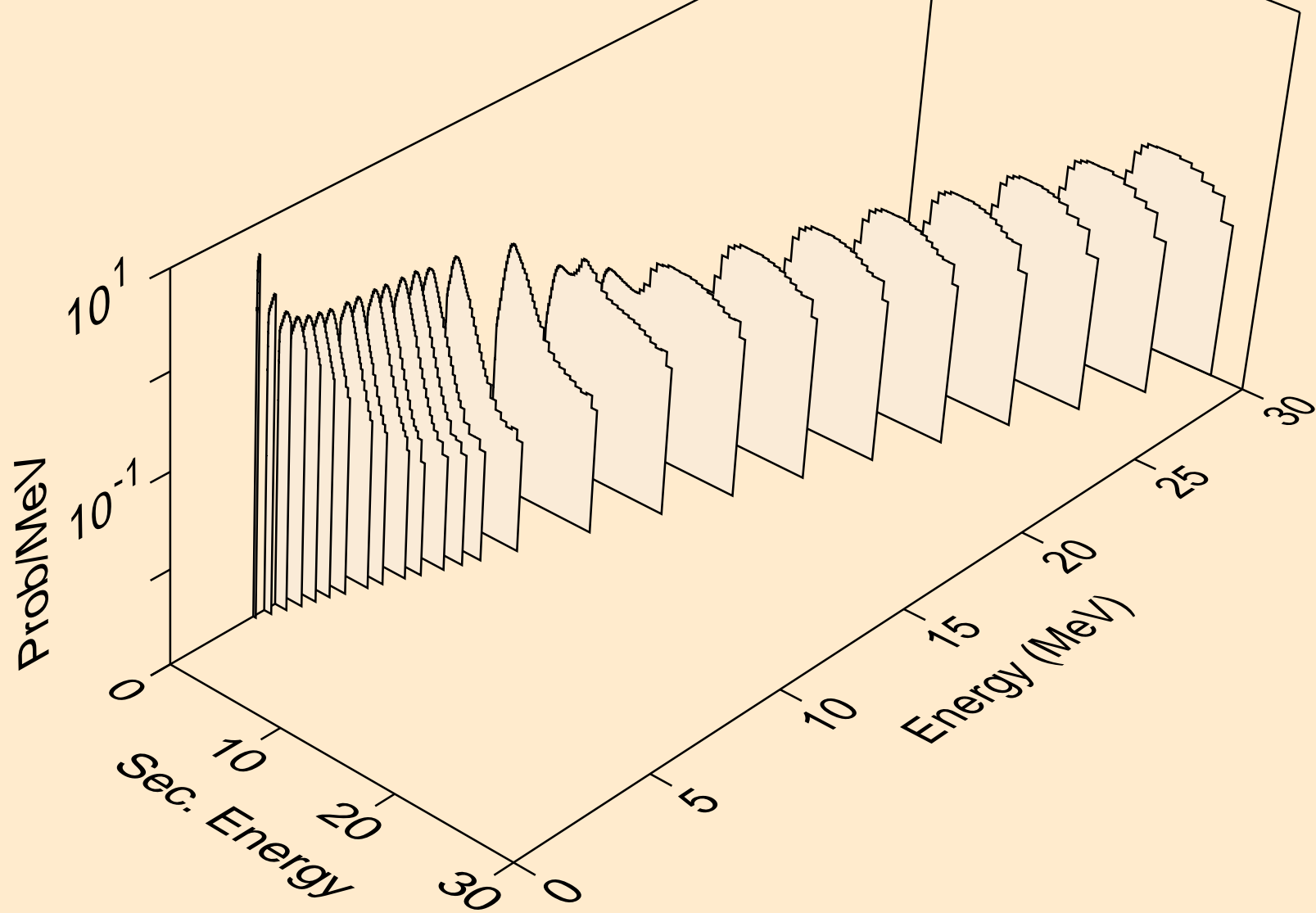
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Neutron emission for (n,n2p)



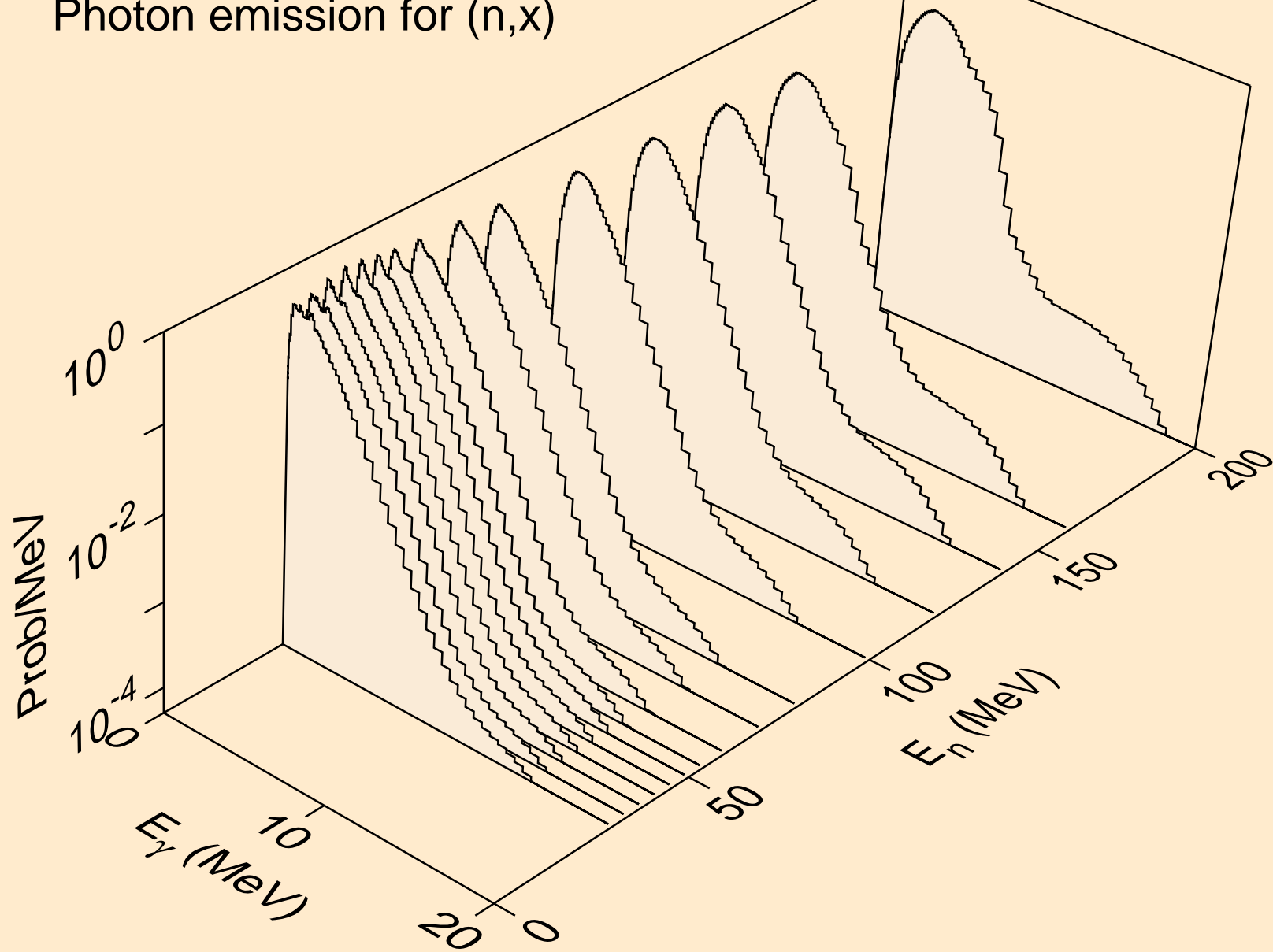
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Neutron emission for (n,npa)



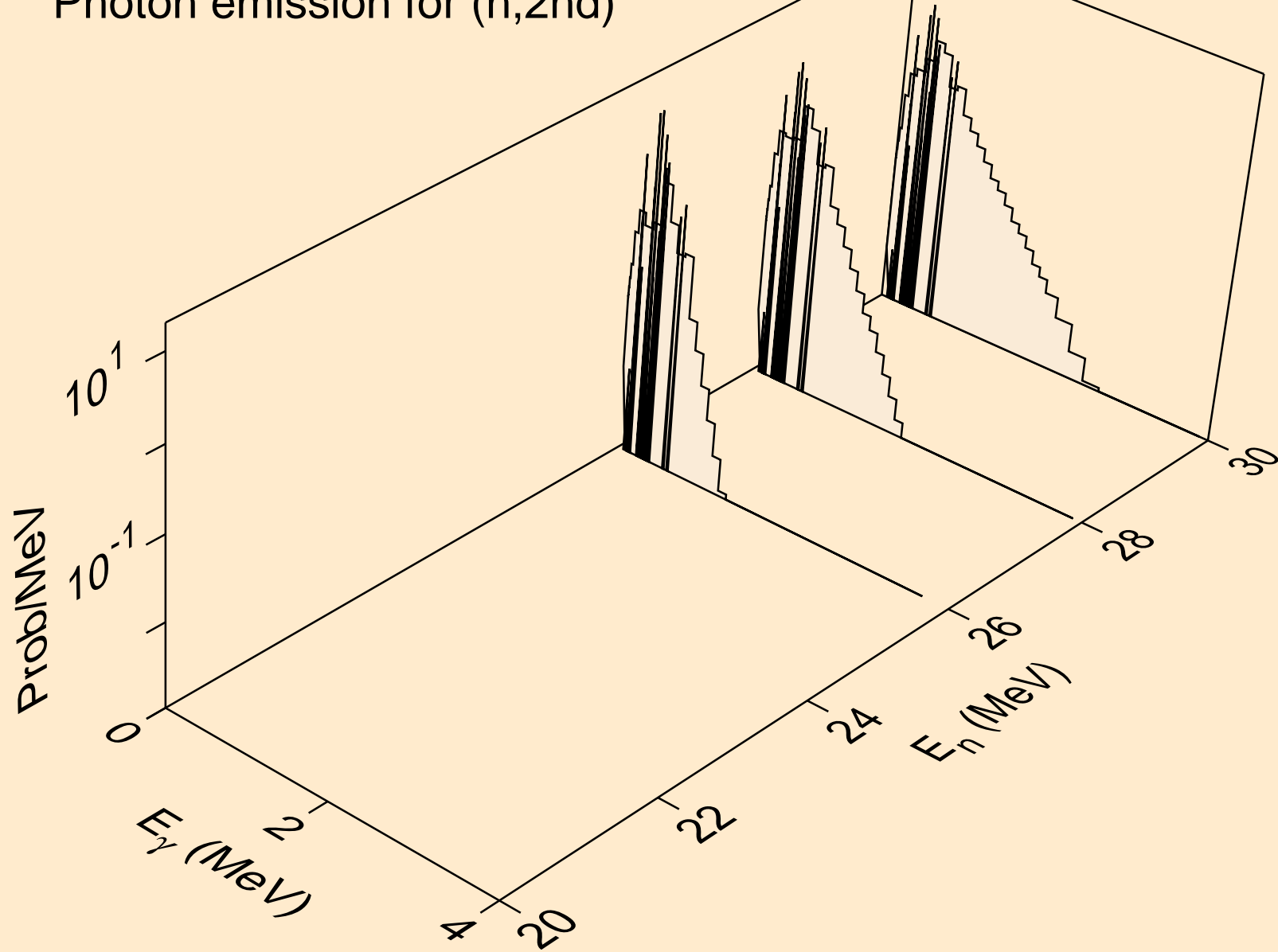
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Neutron emission for (n,n\*c)



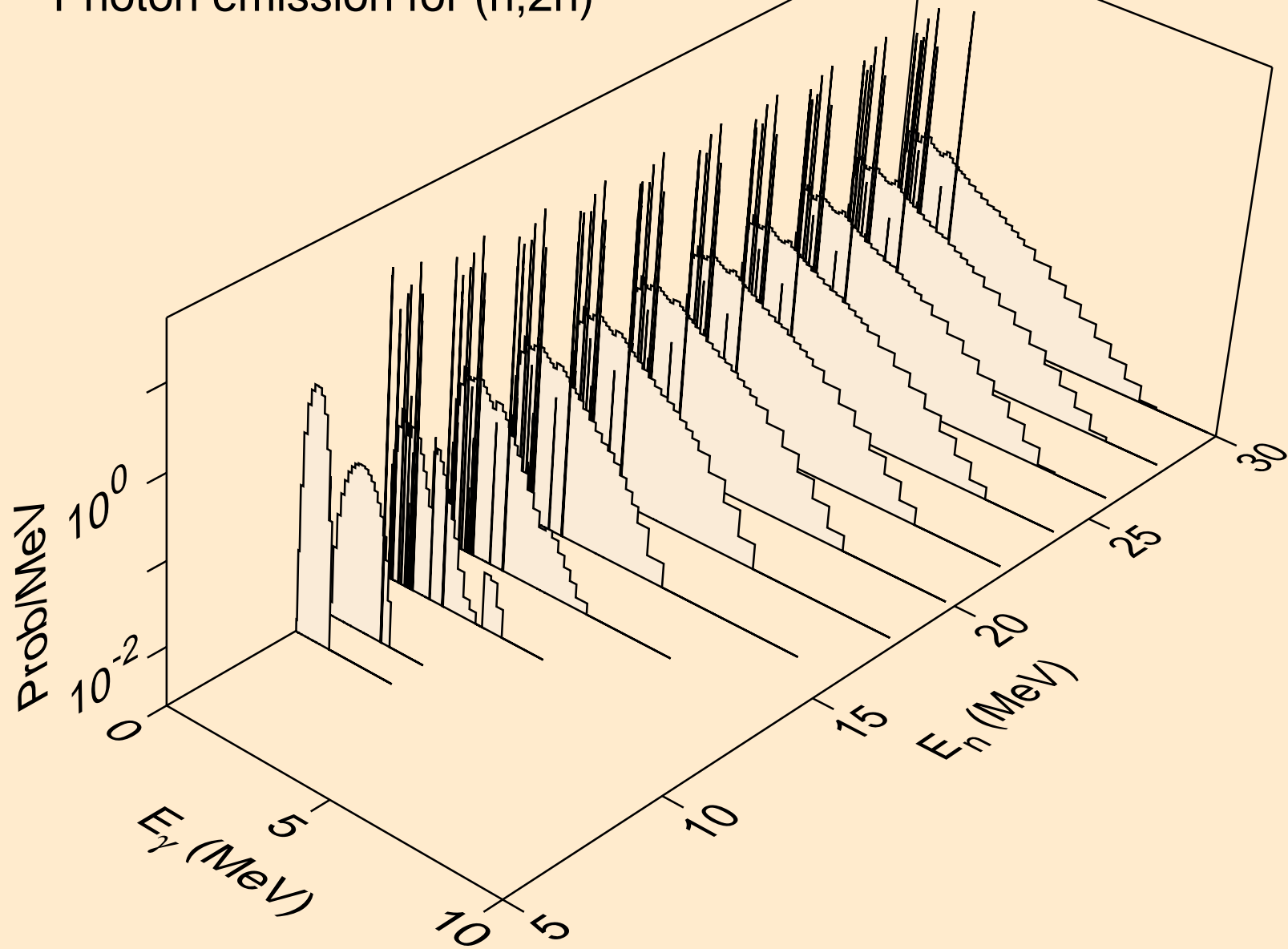
DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)

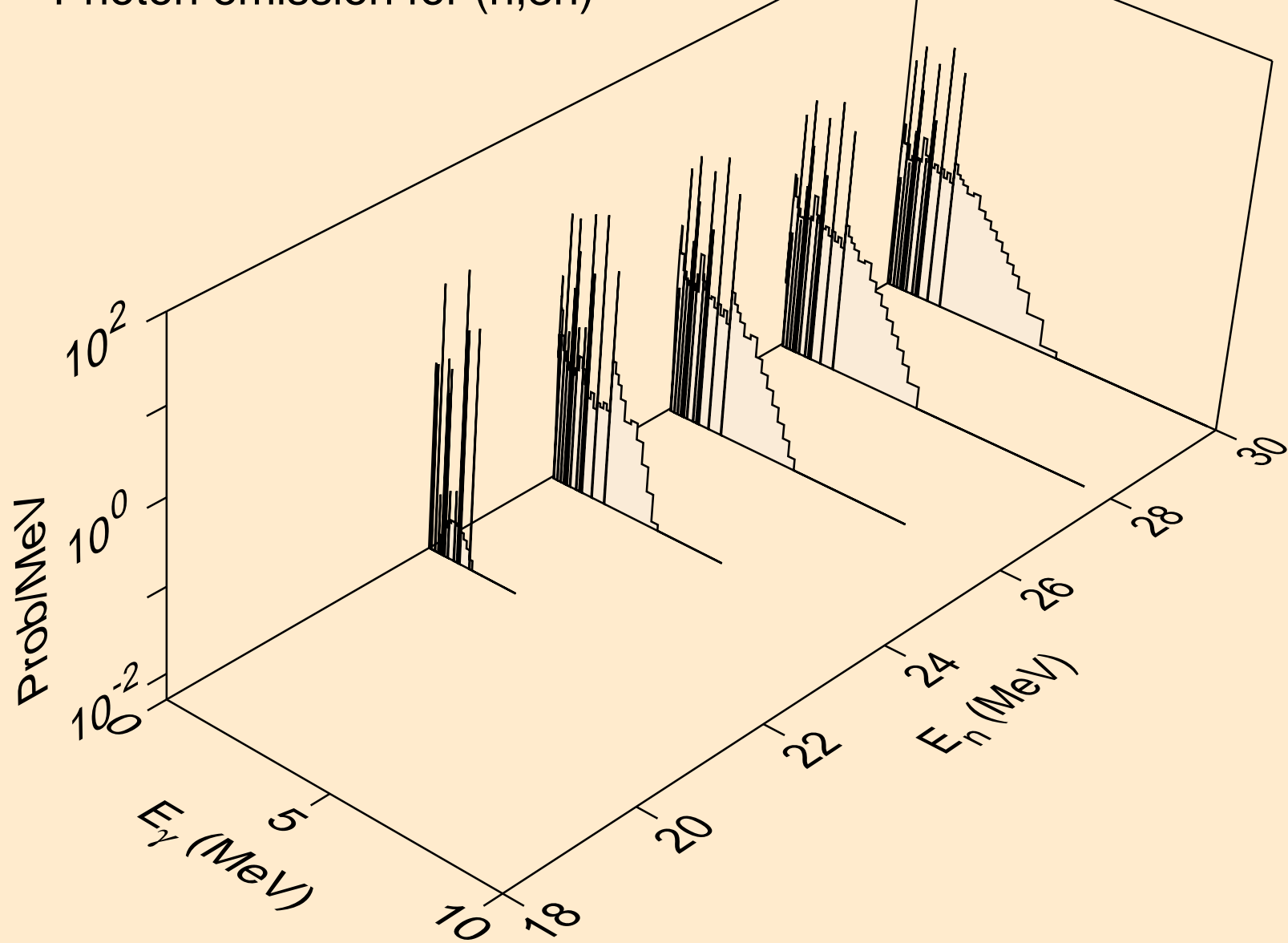


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Photon emission for (n,2n)

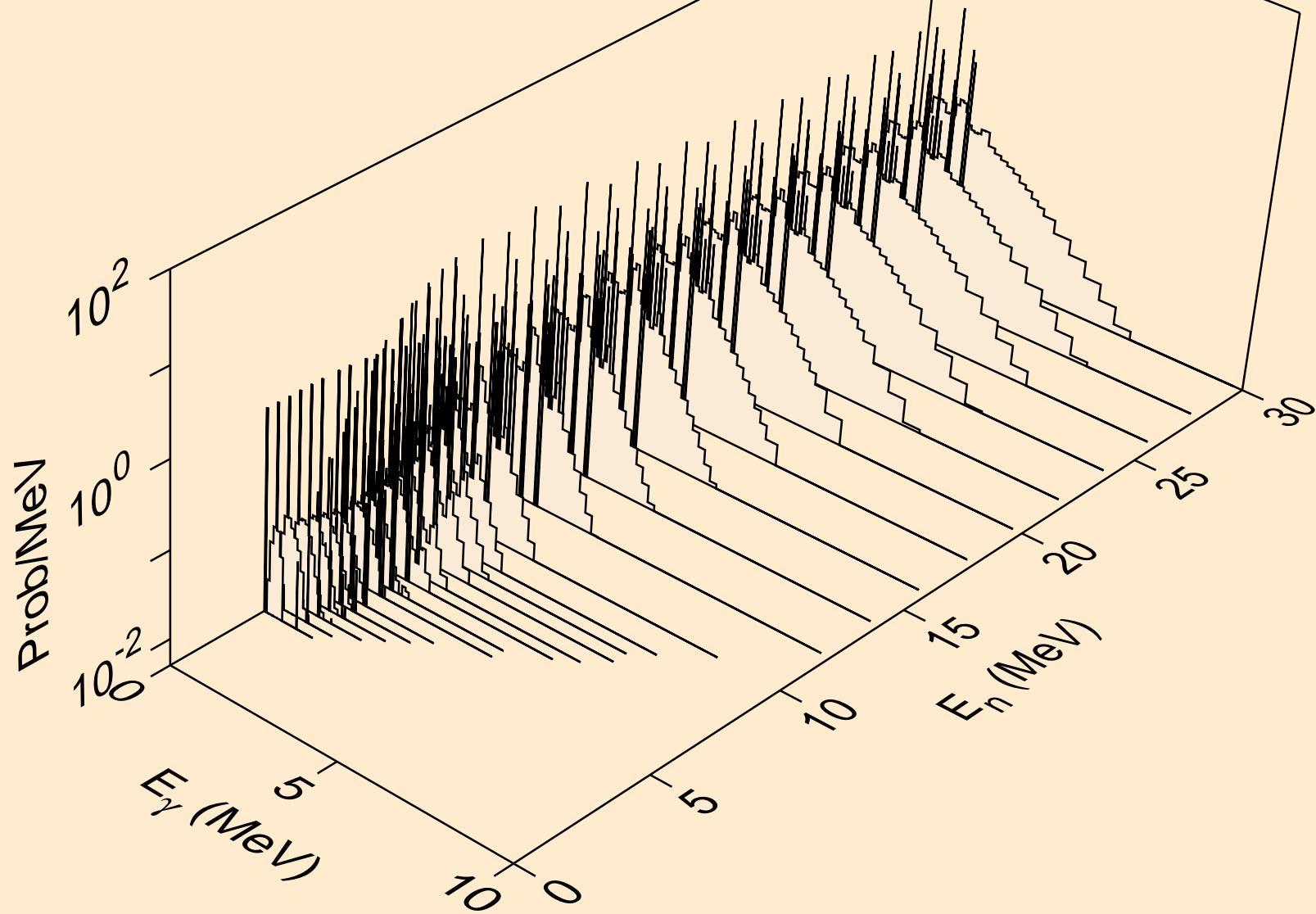




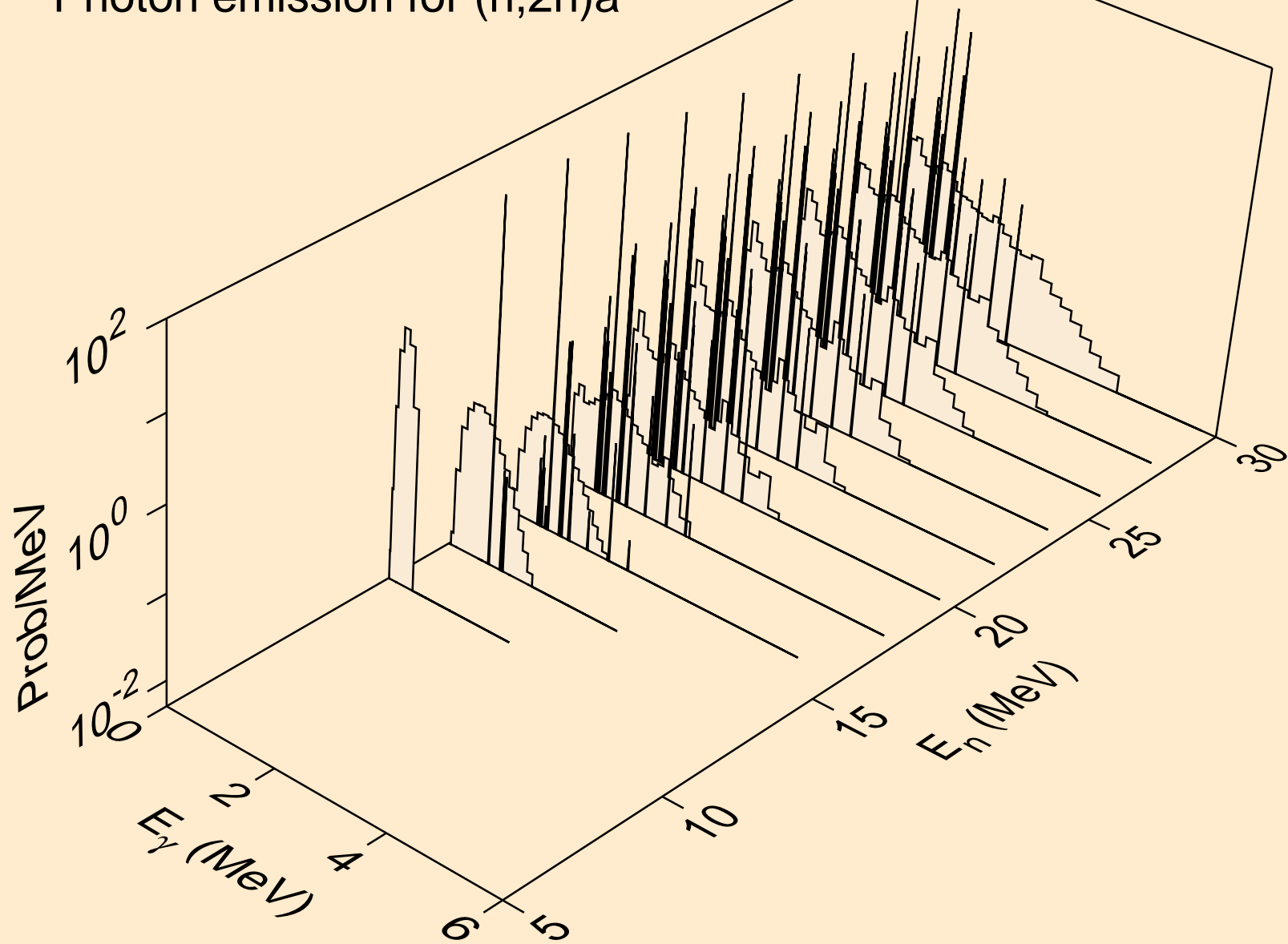
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Photon emission for (n,3n)



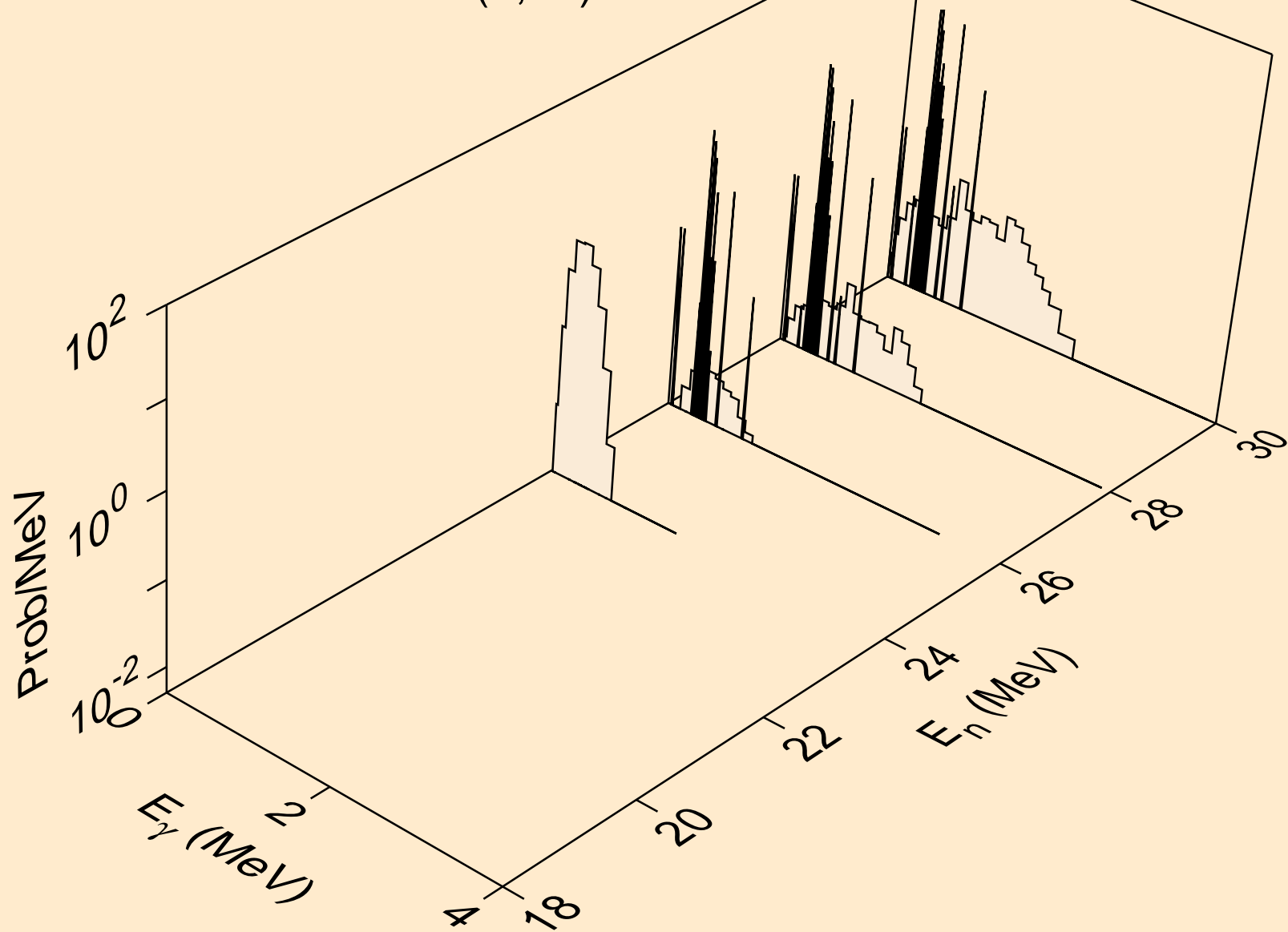
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Photon emission for (n,n\*)a



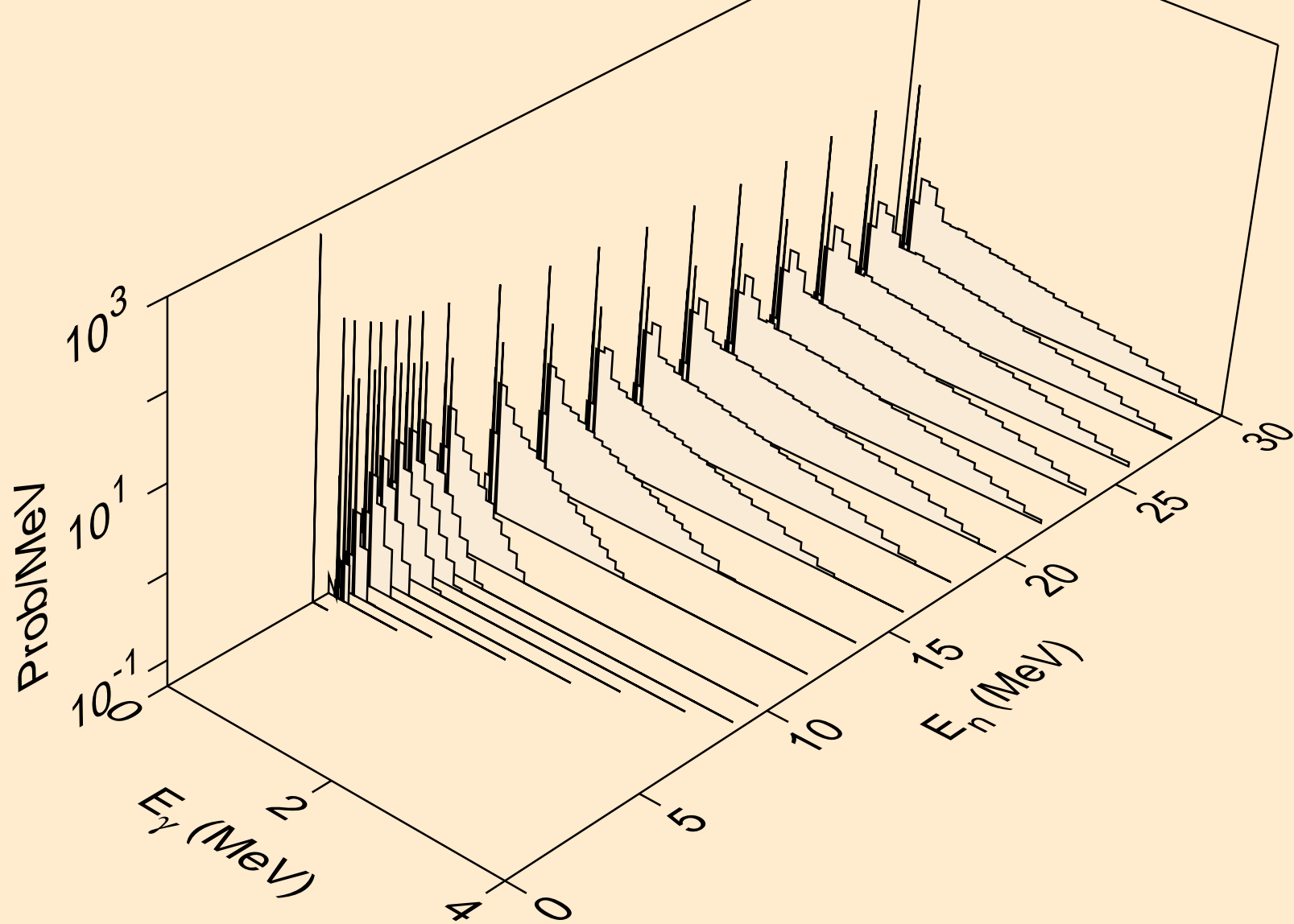
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Photon emission for (n,2n)a



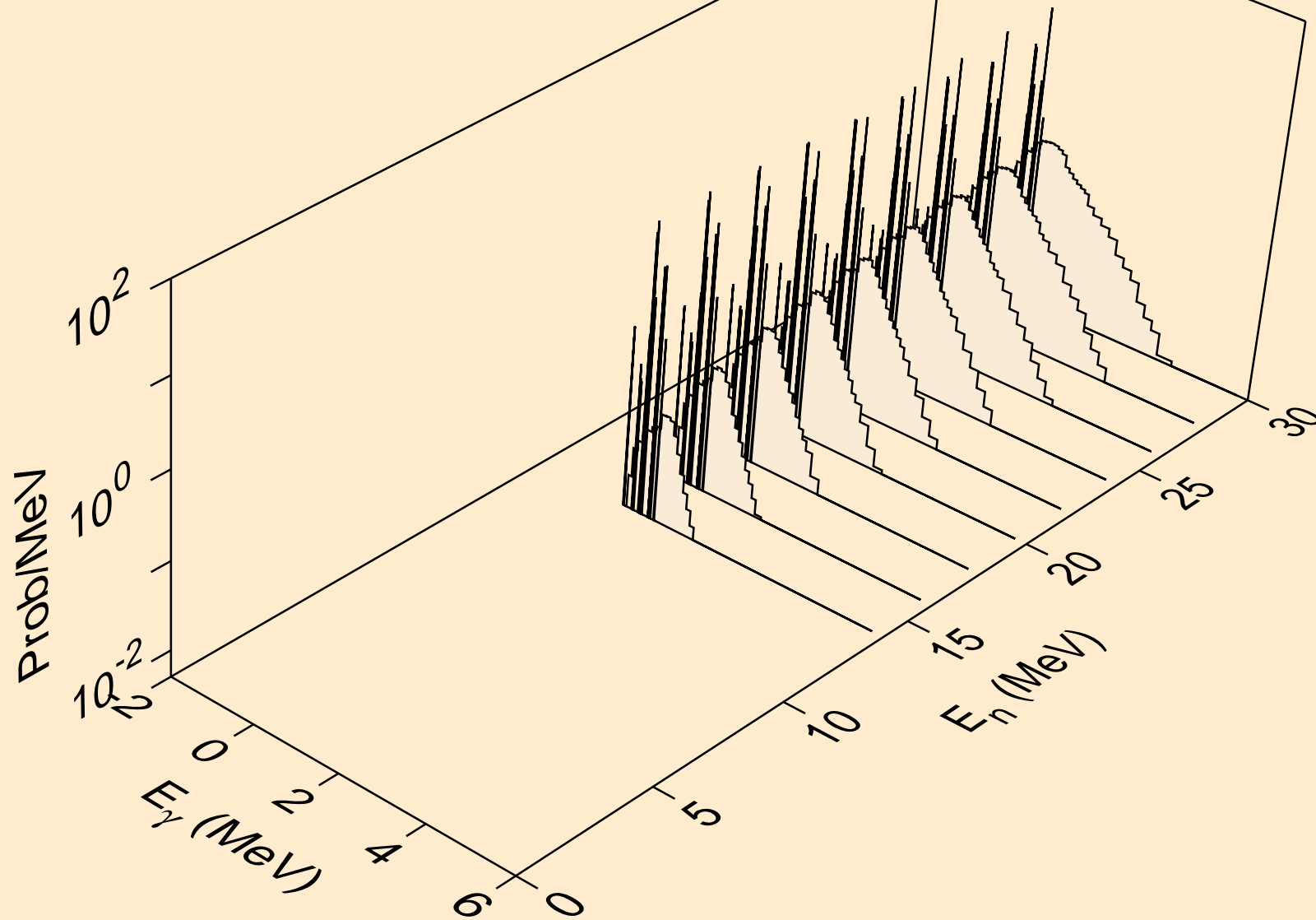
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Photon emission for (n,3n)a



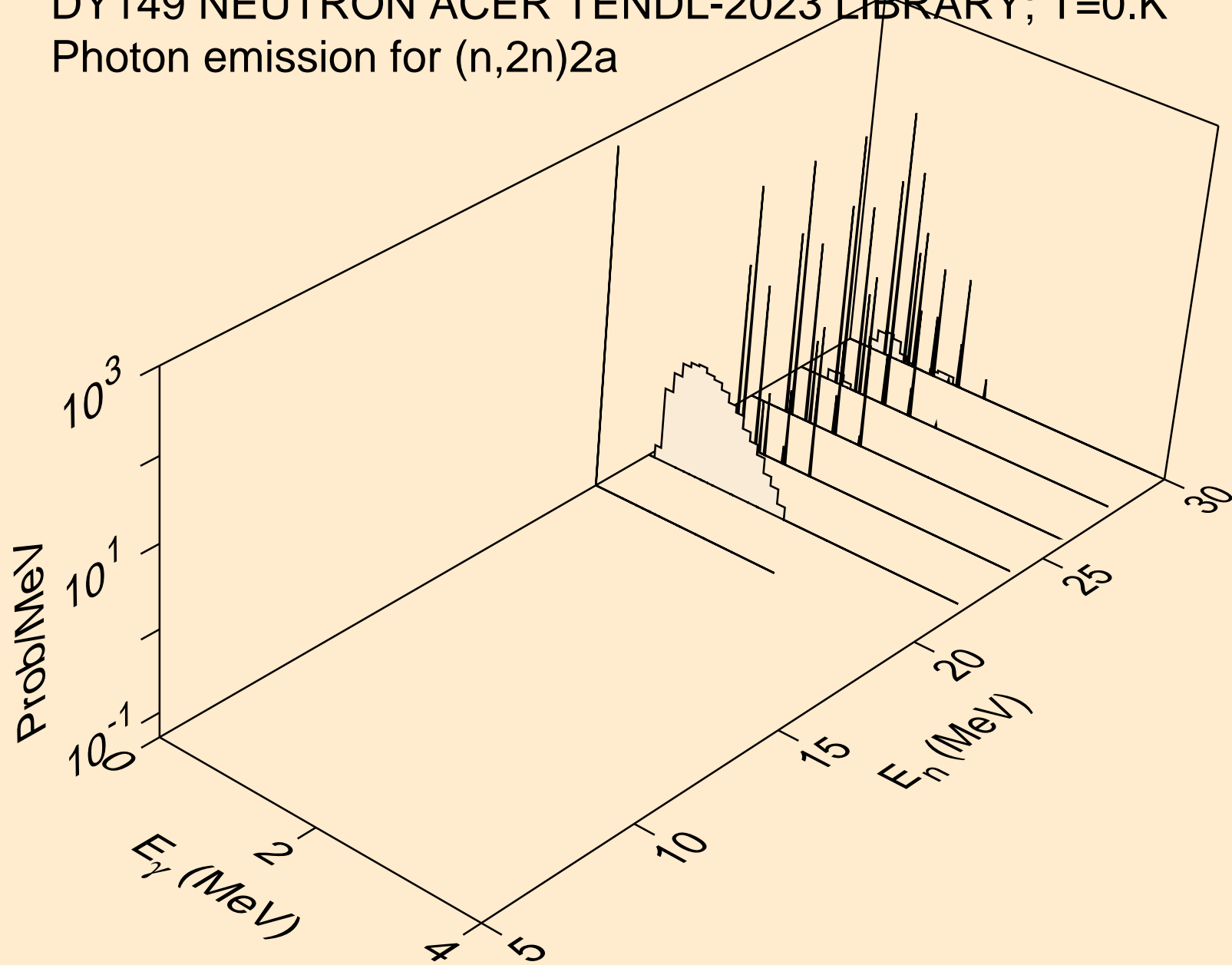
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Photon emission for (n,n\*)p



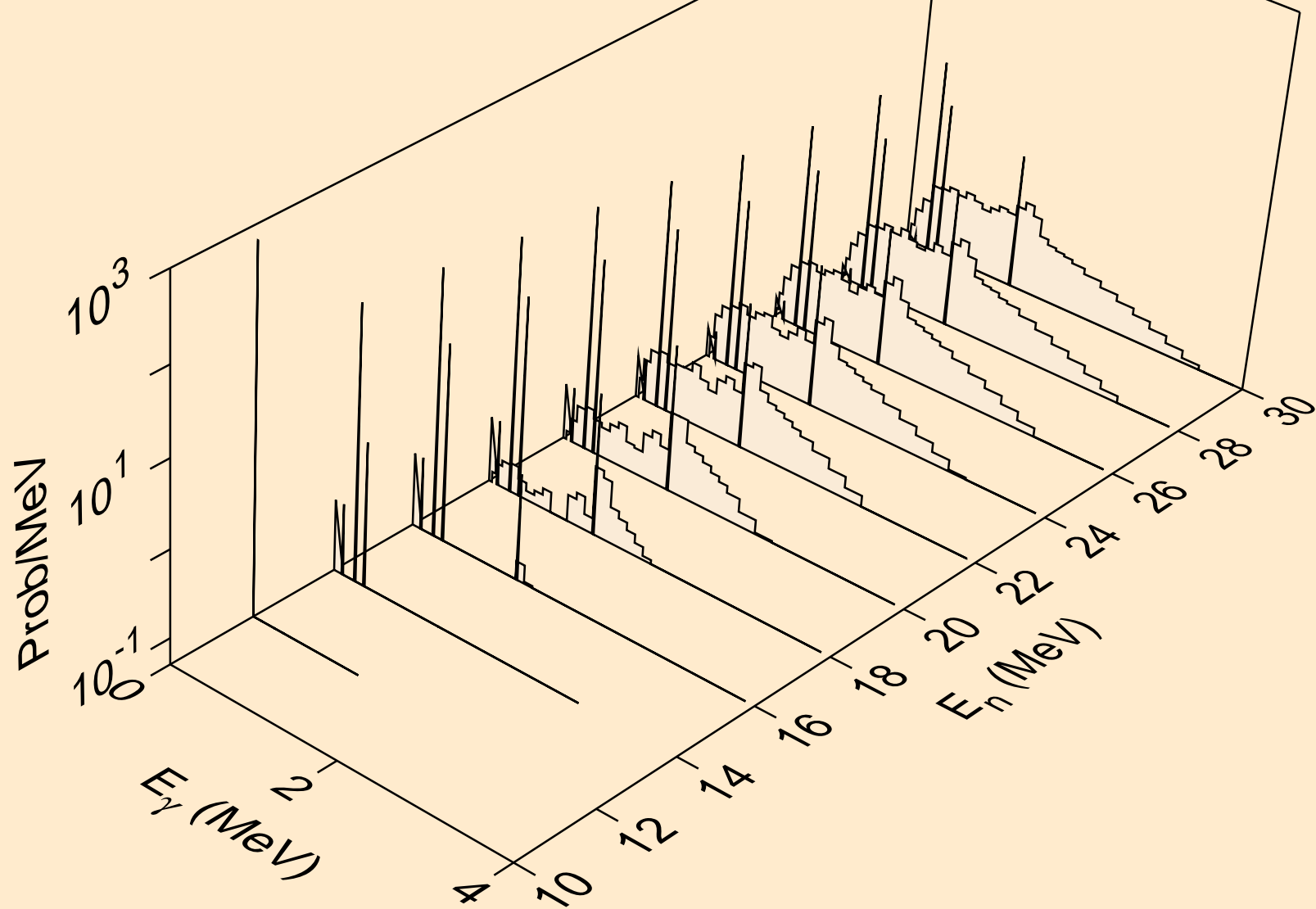
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Photon emission for (n,n\*)2a



DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a

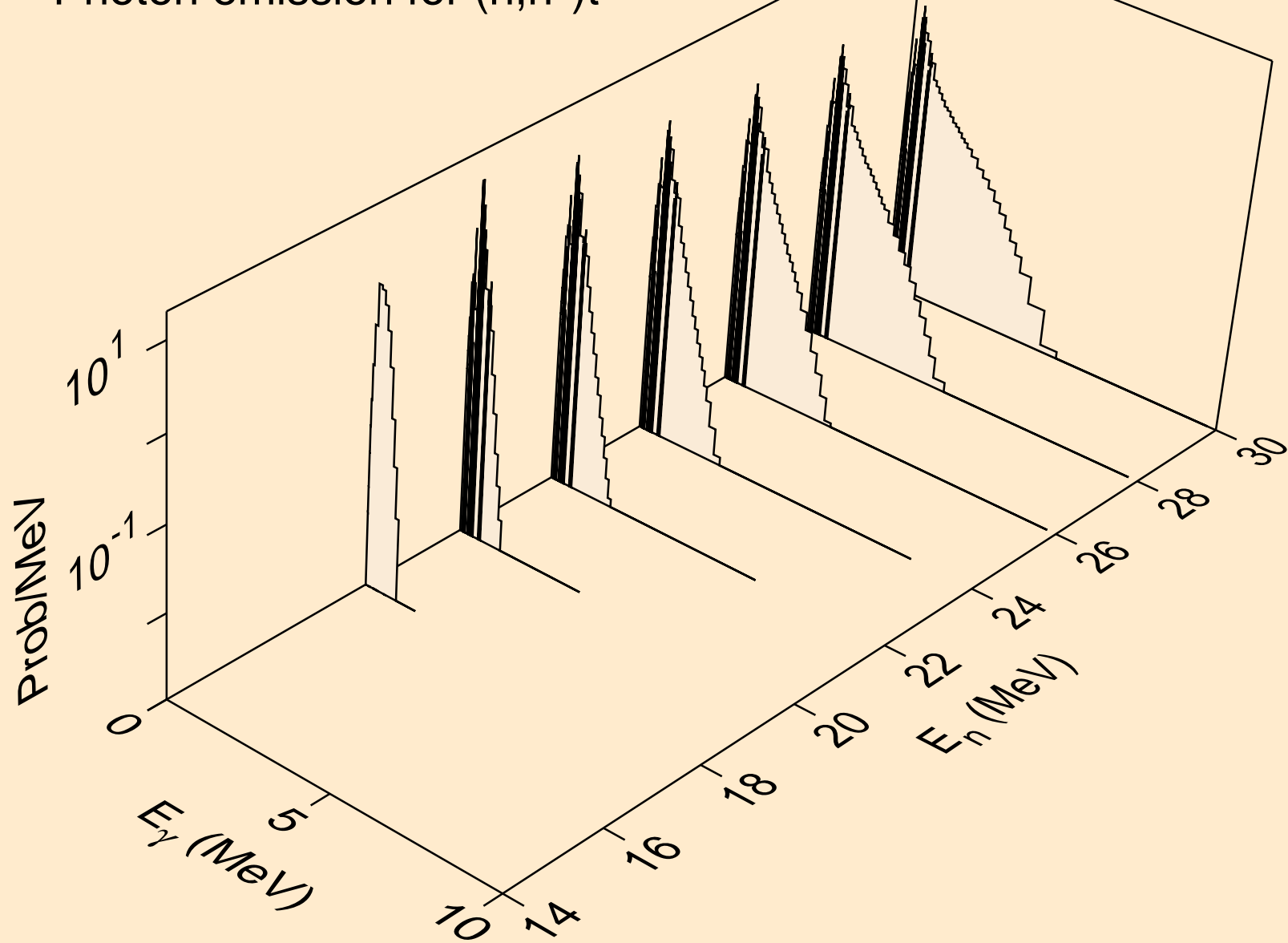


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Photon emission for (n,n\*)d

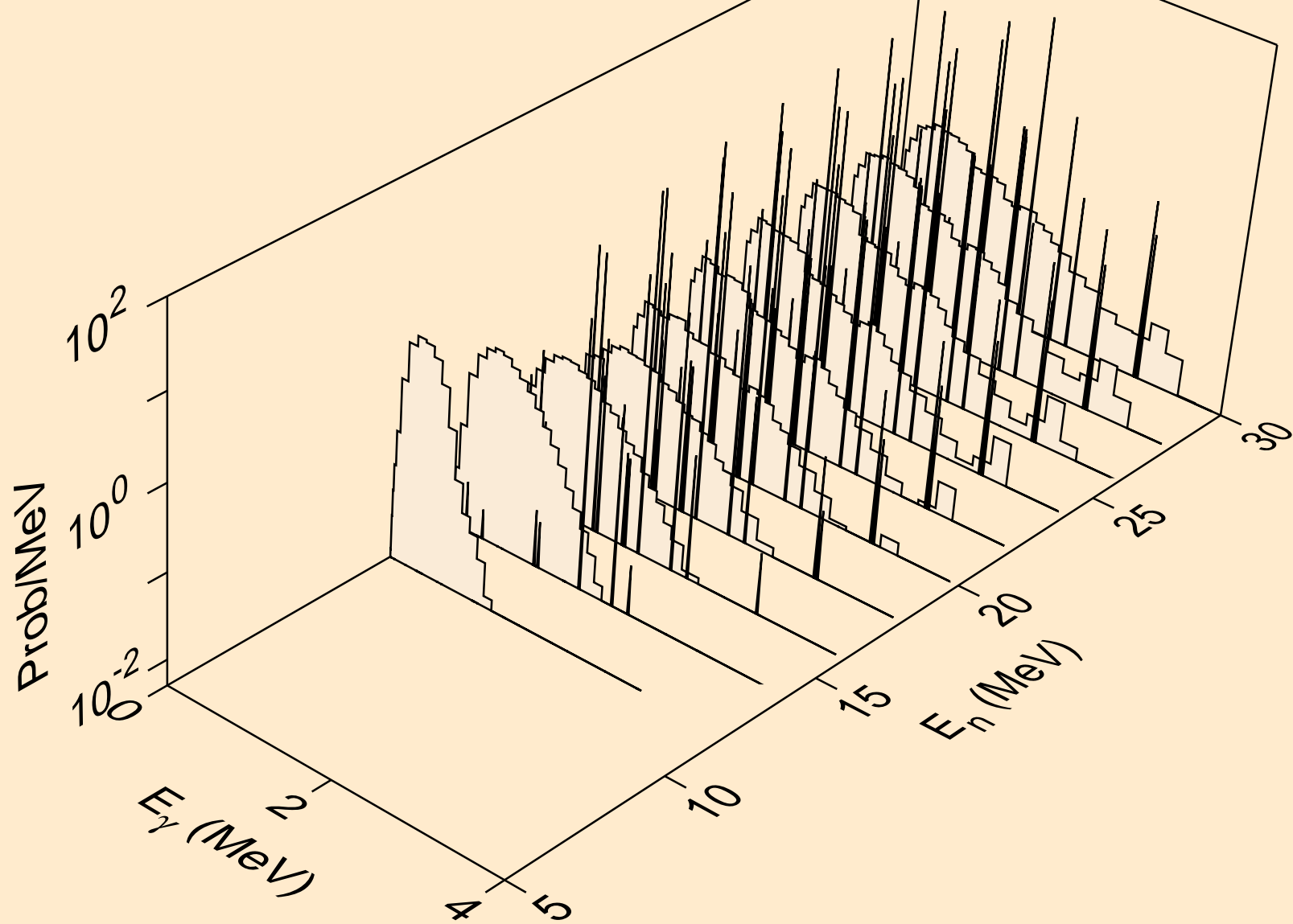




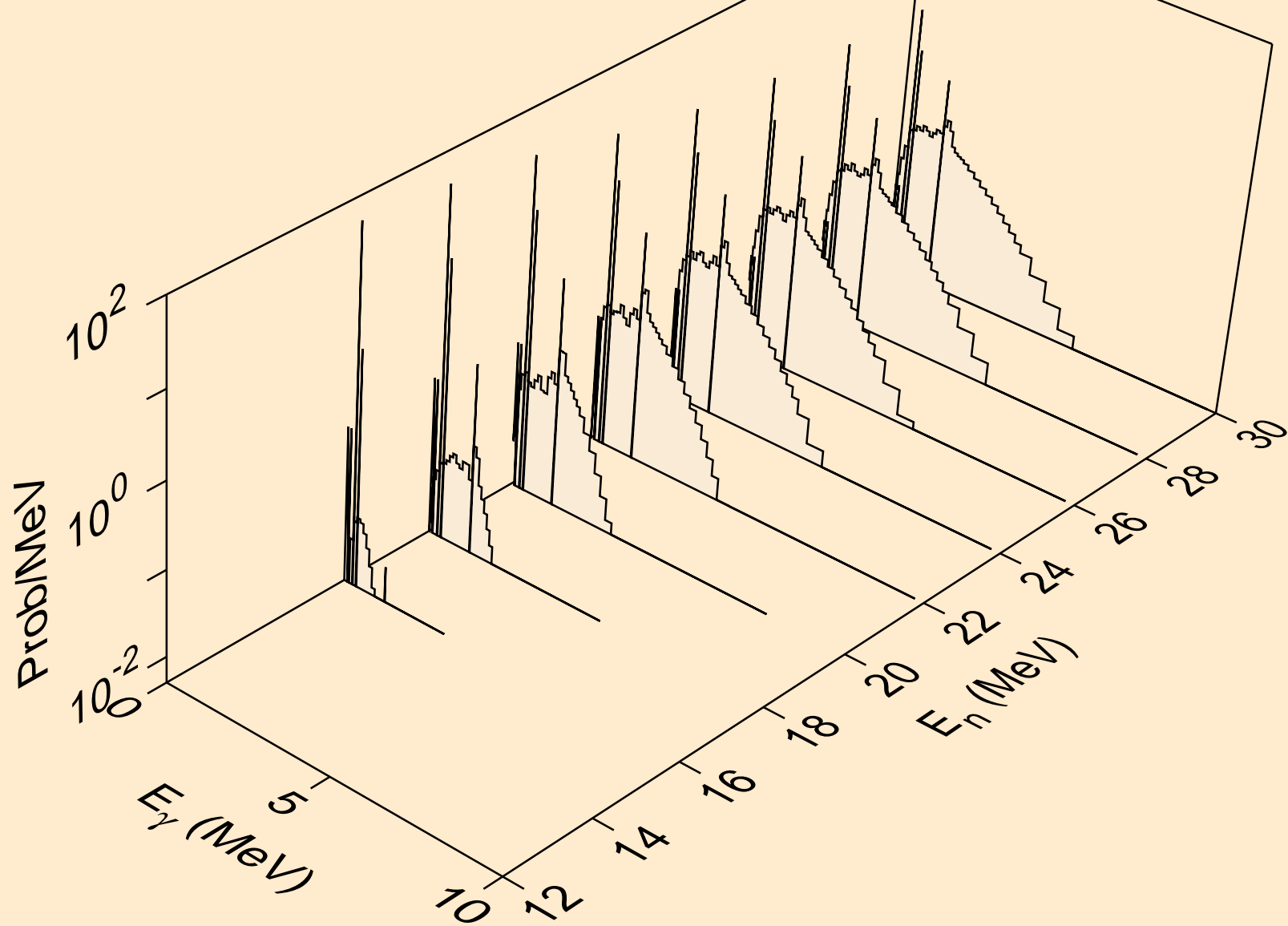
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Photon emission for (n,n\*)t



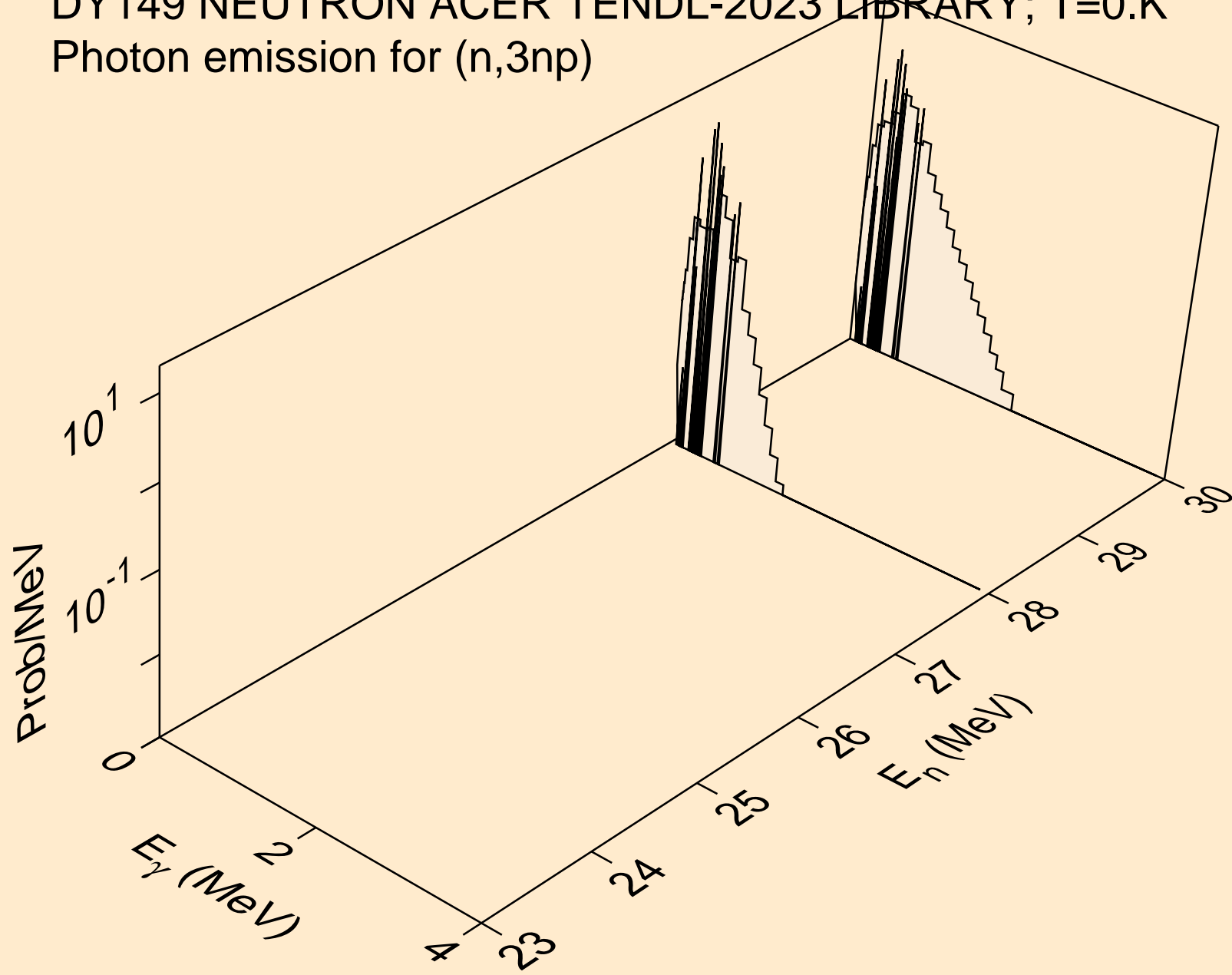
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Photon emission for (n,n\*)he3



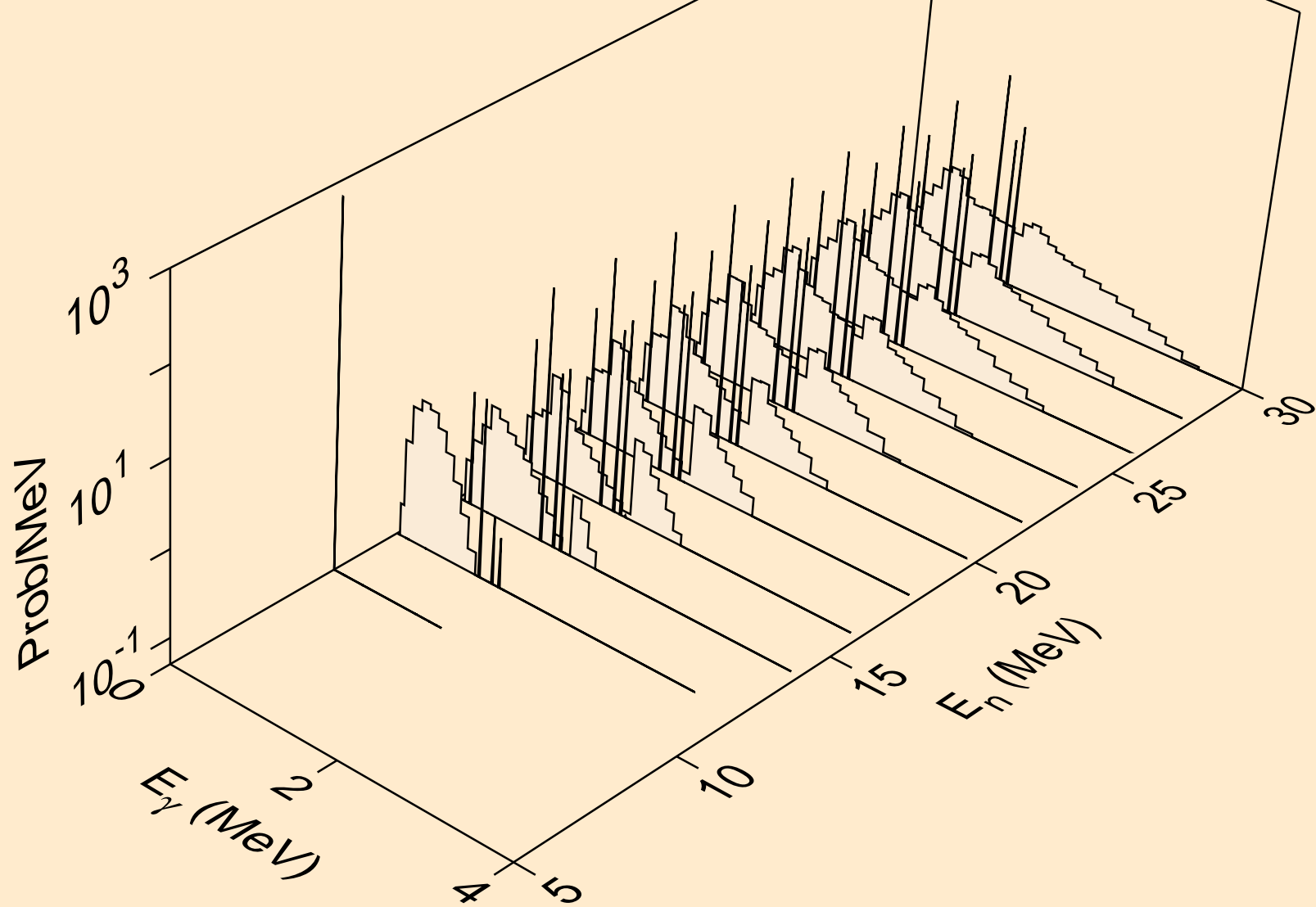
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Photon emission for (n,2np)



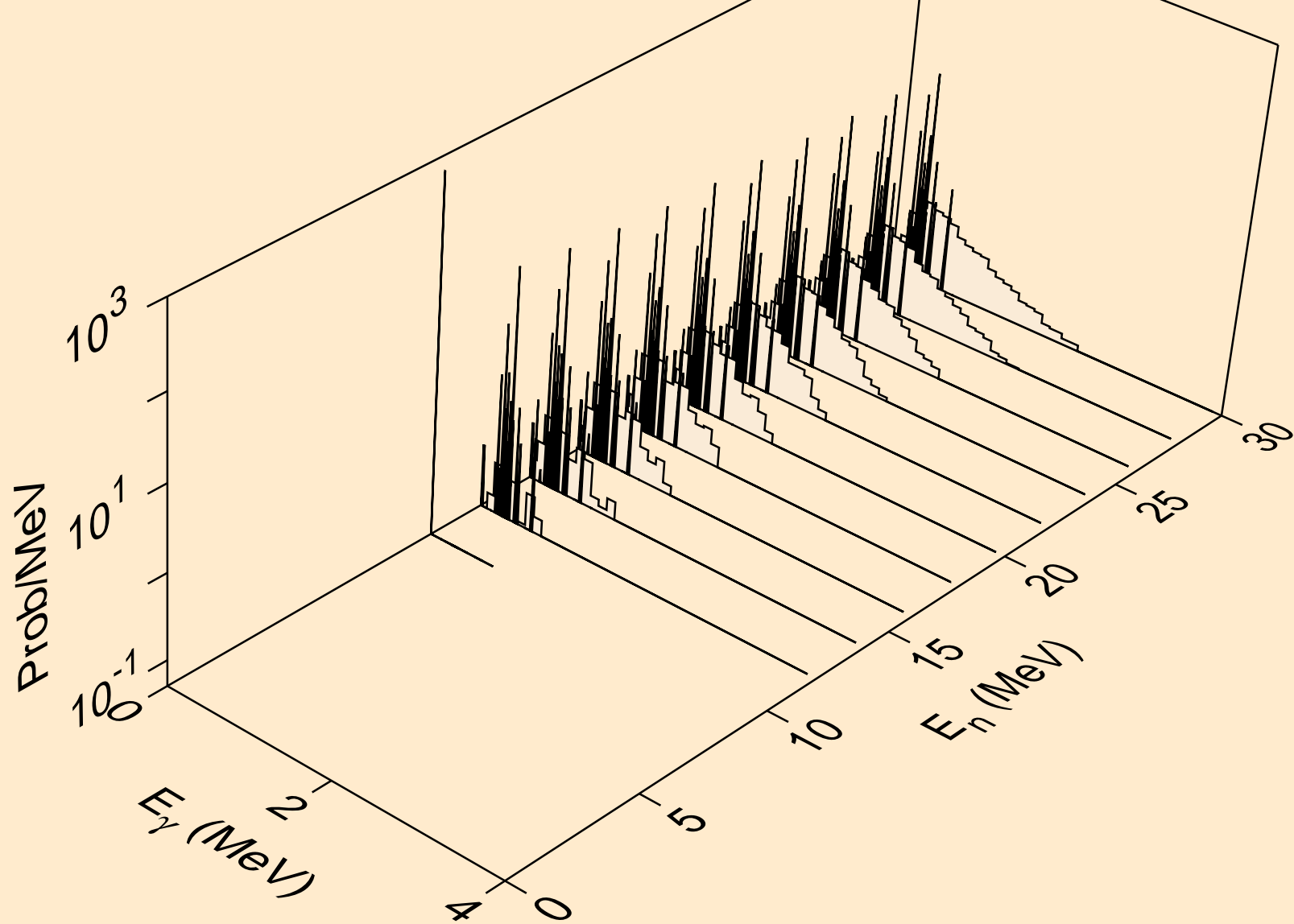
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Photon emission for (n,3np)



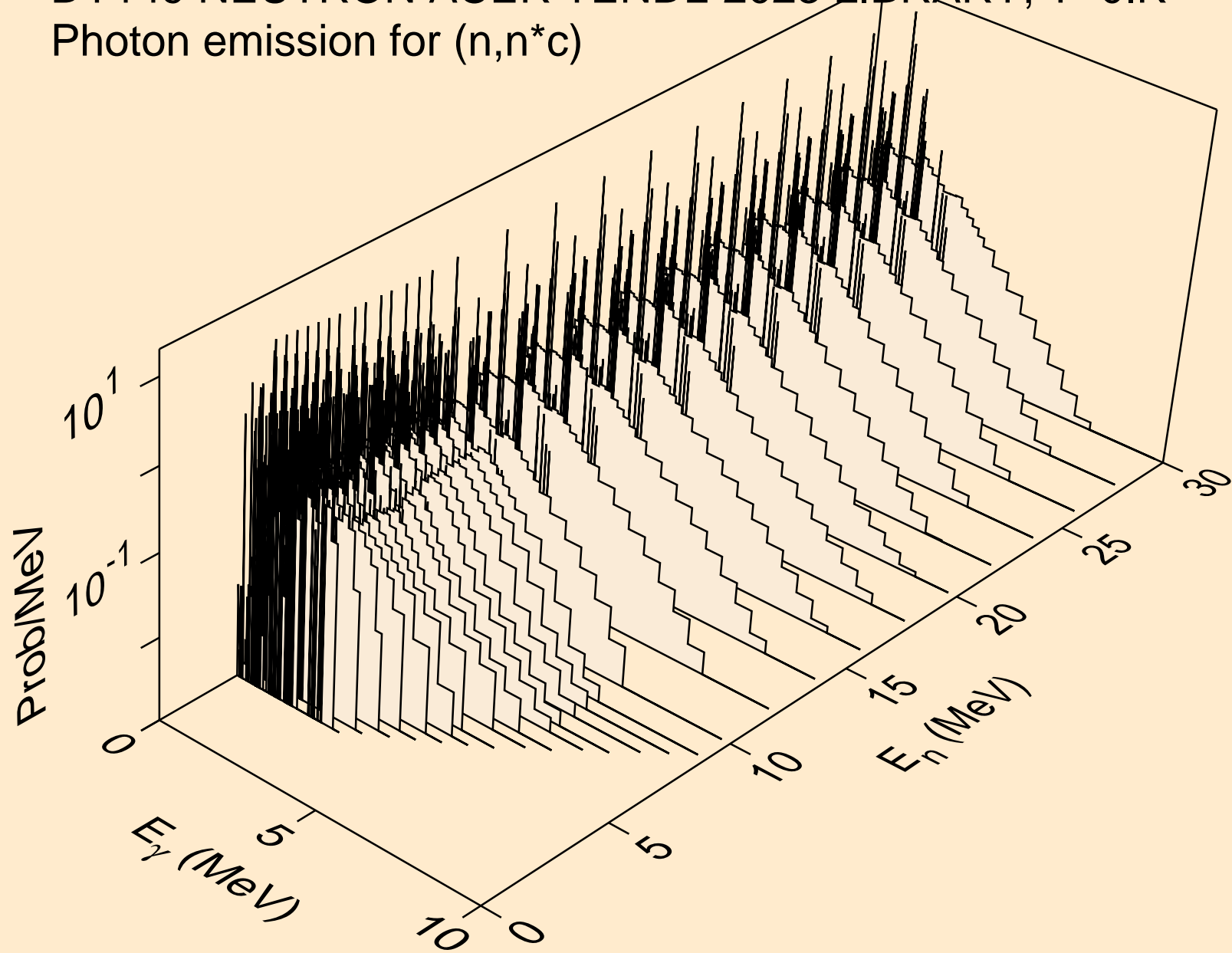
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Photon emission for (n,n2p)



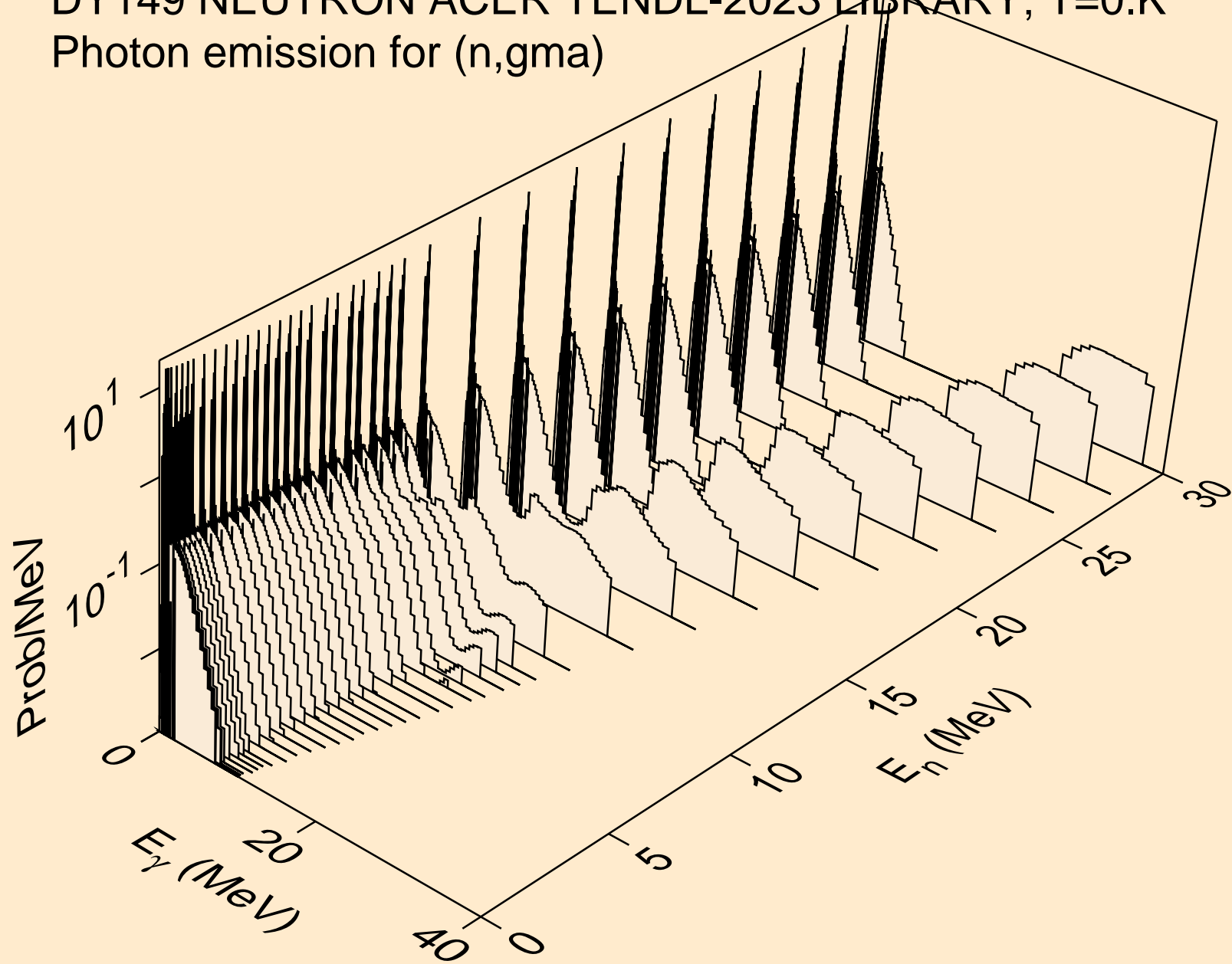
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Photon emission for (n,npa)



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Photon emission for (n,n\*c)

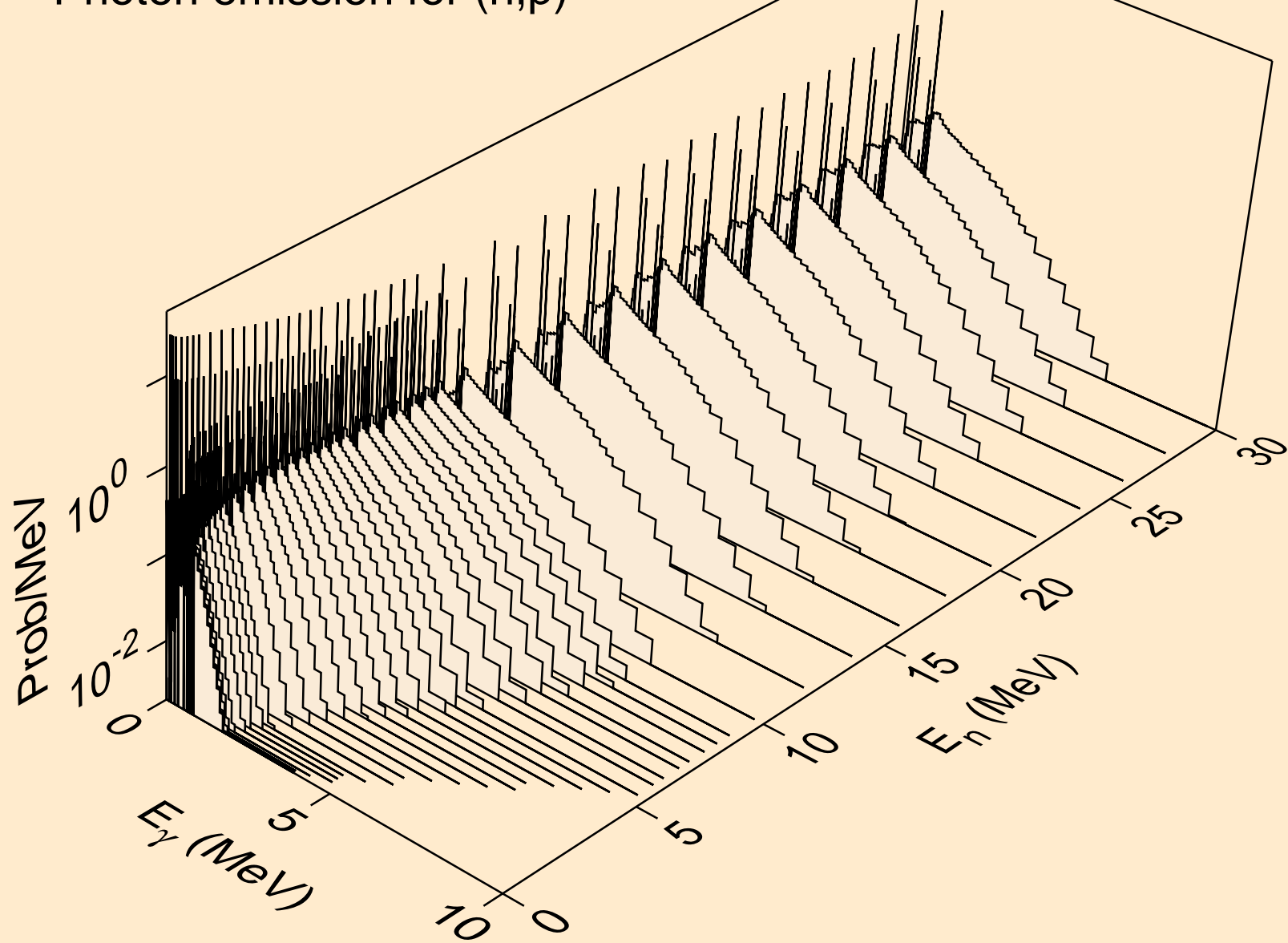


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Photon emission for (n,gma)

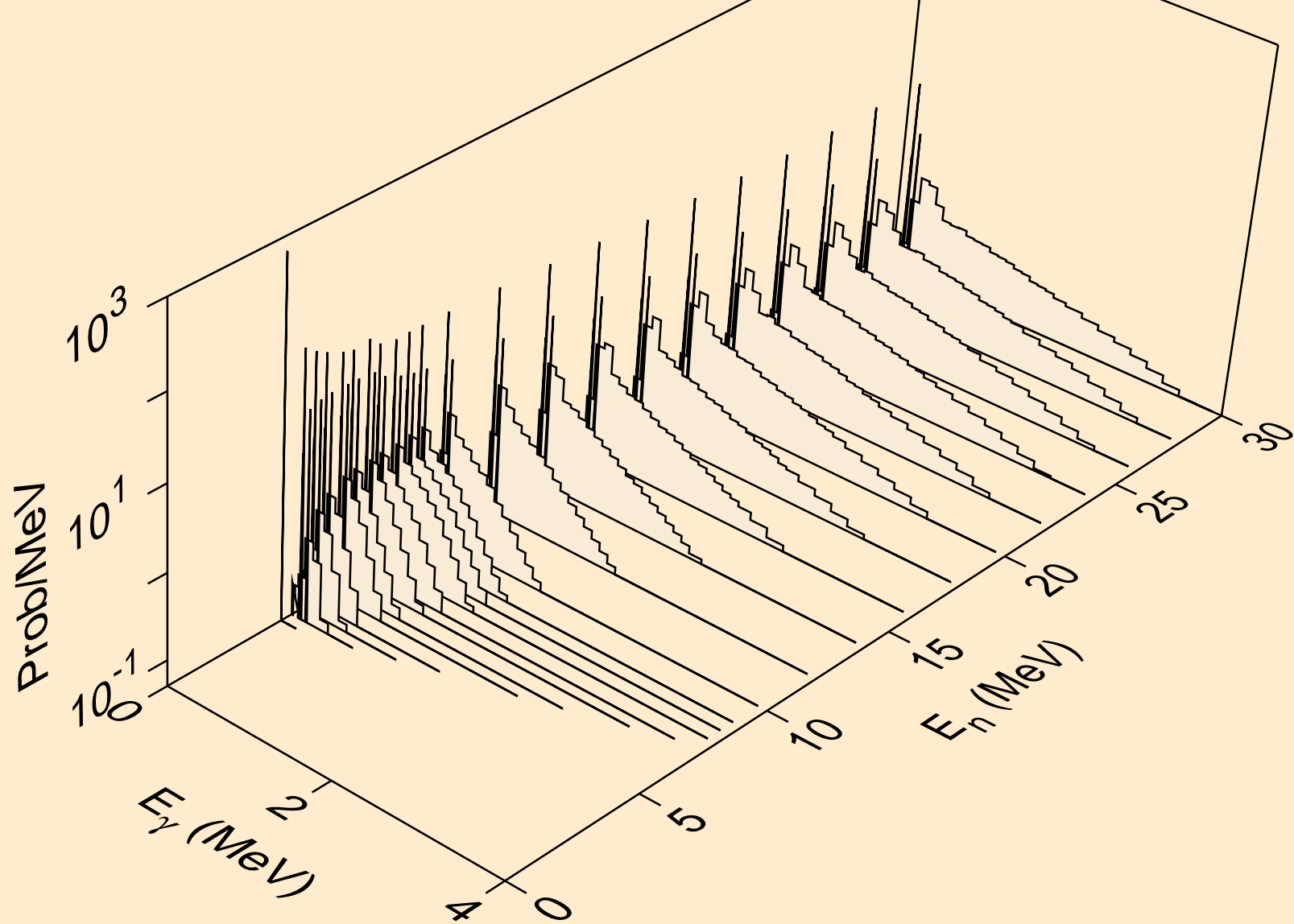




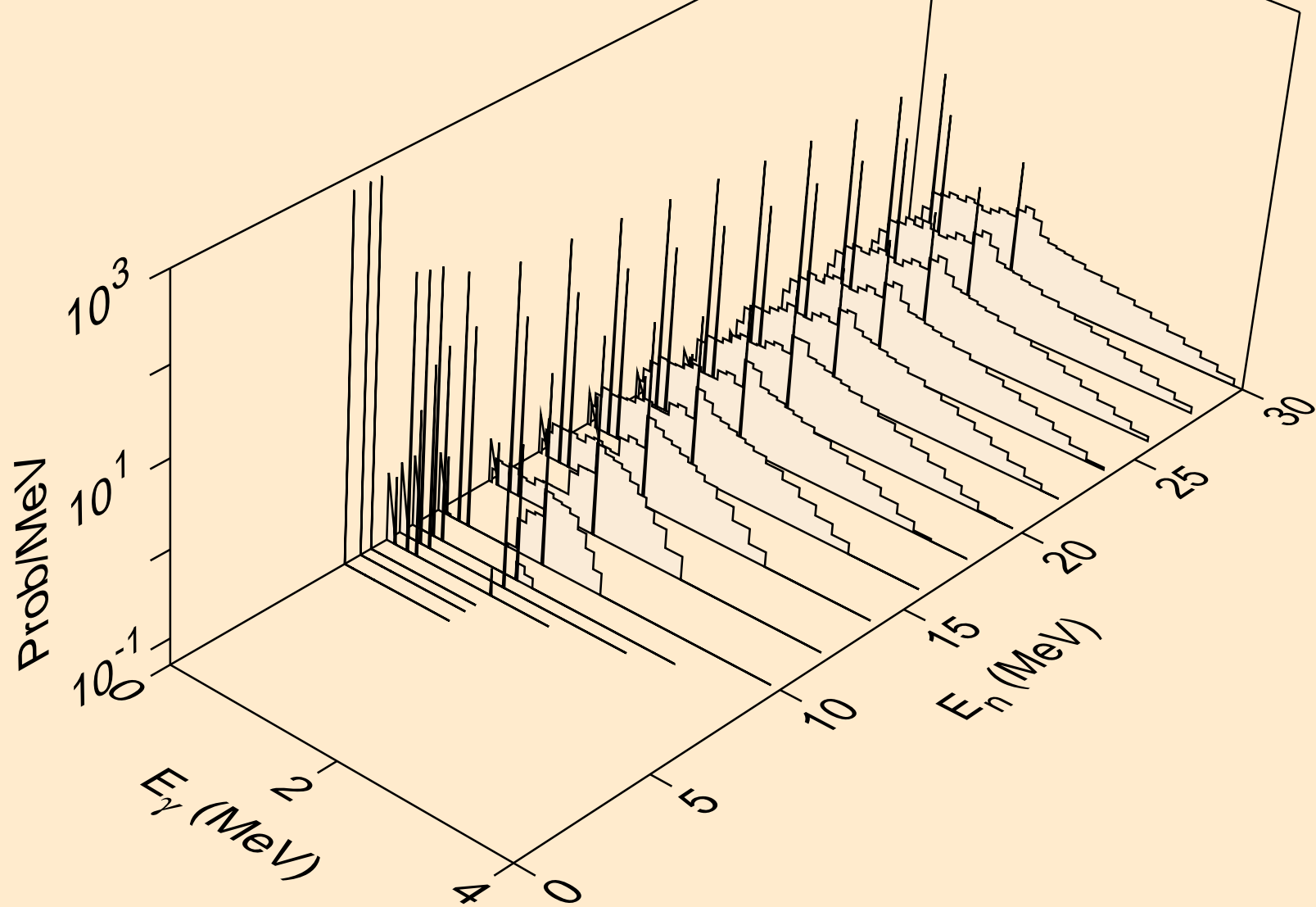
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Photon emission for (n,p)



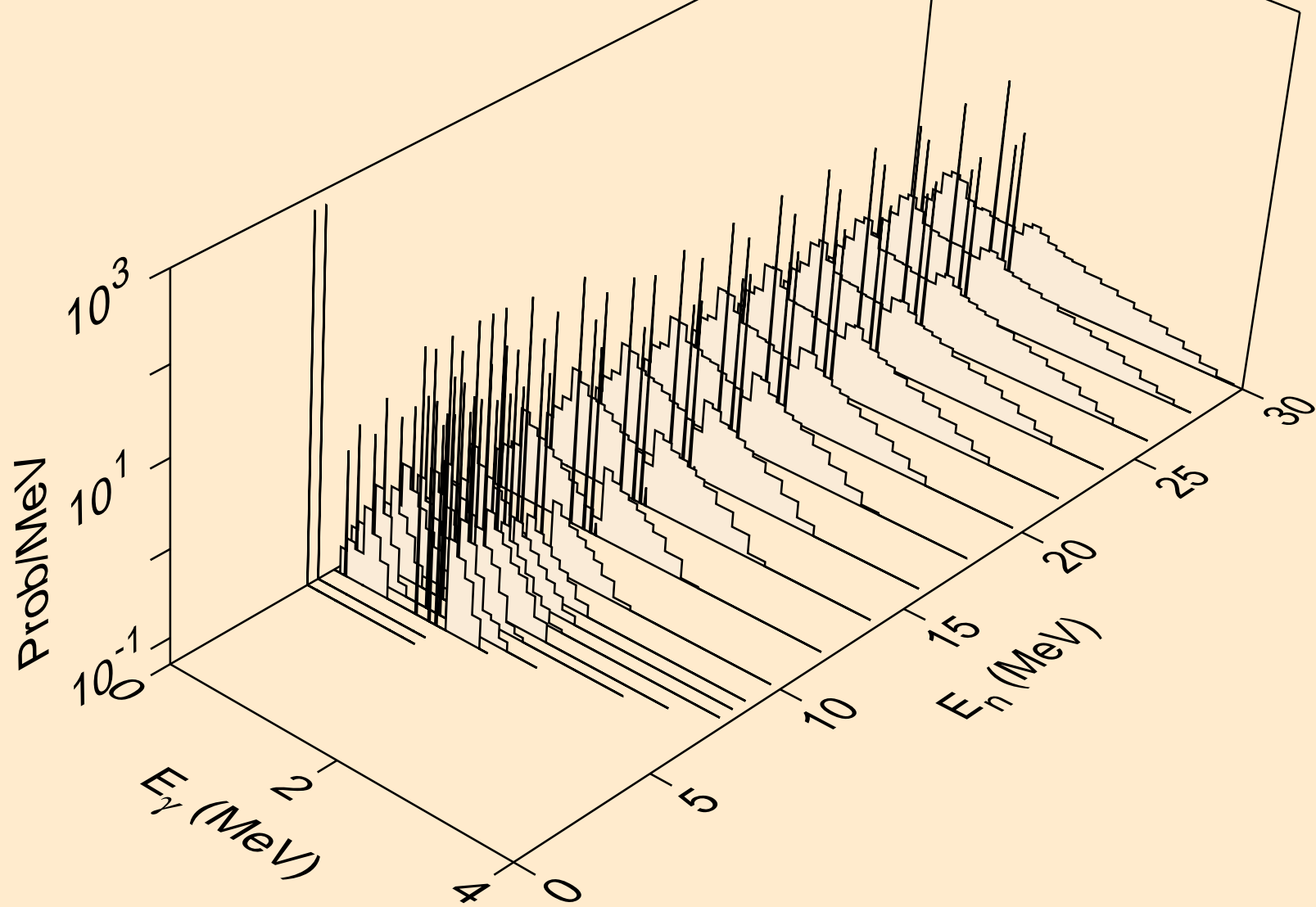
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Photon emission for (n,d)



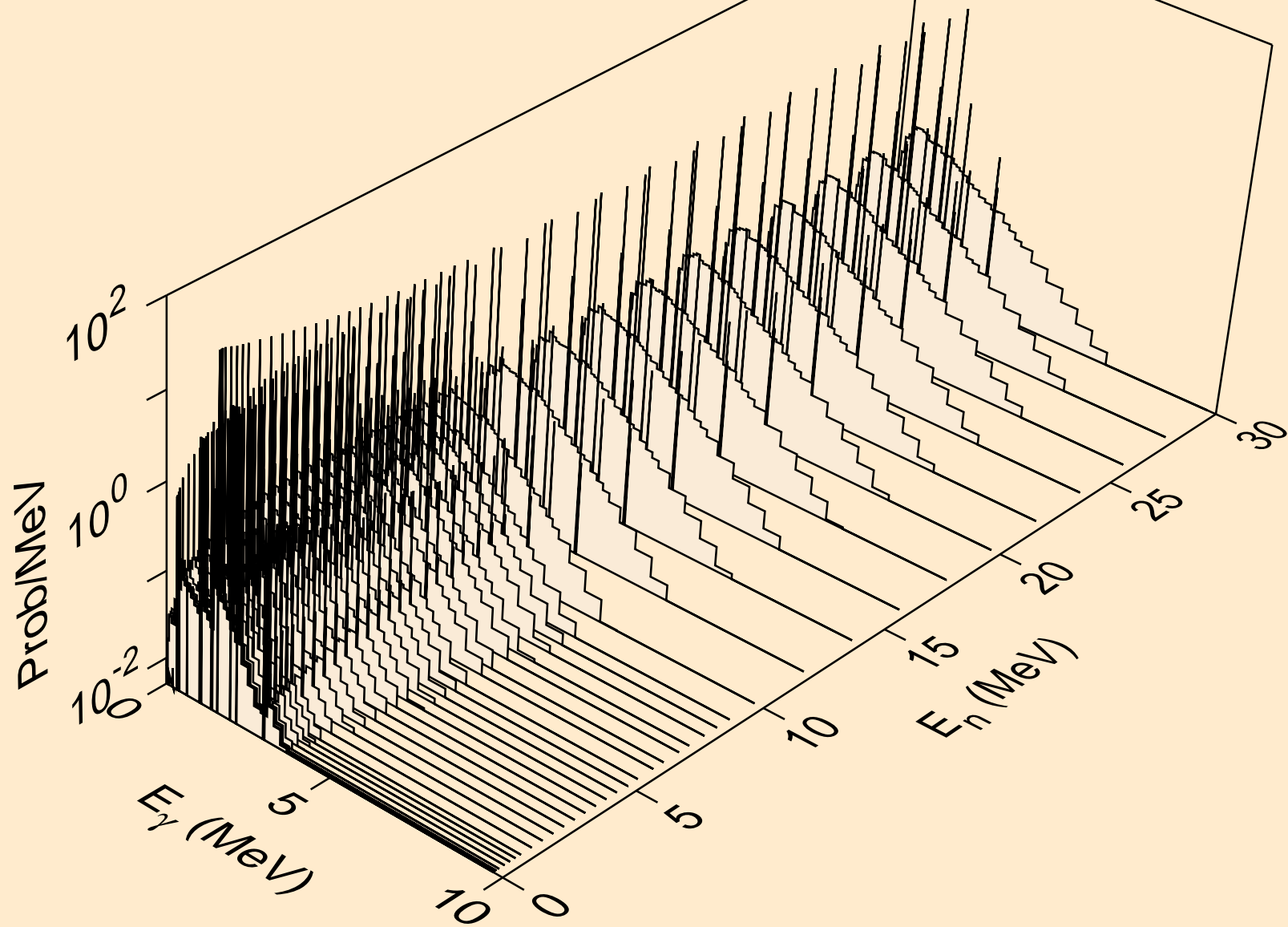
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Photon emission for (n,t)



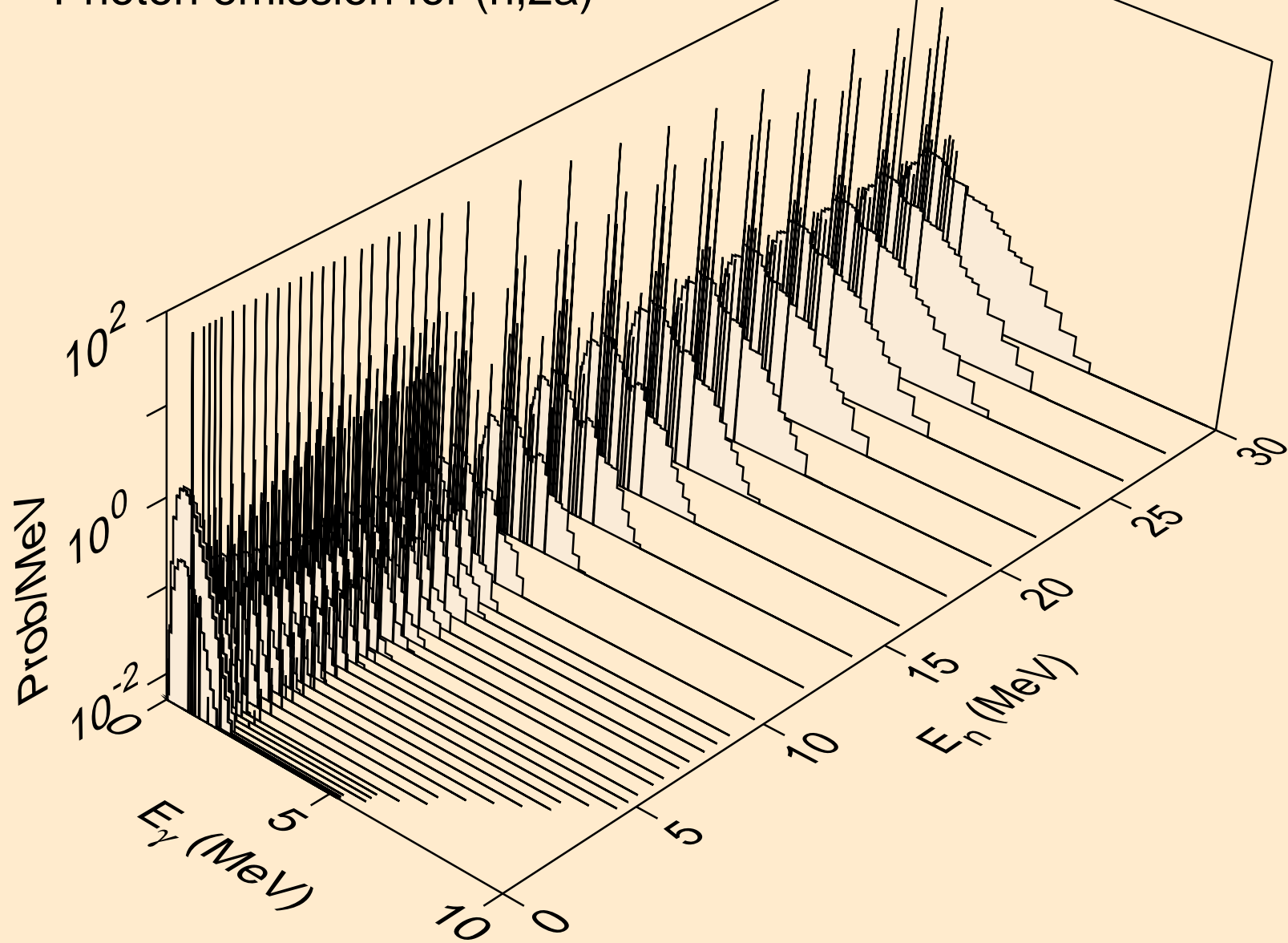
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Photon emission for (n,he3)



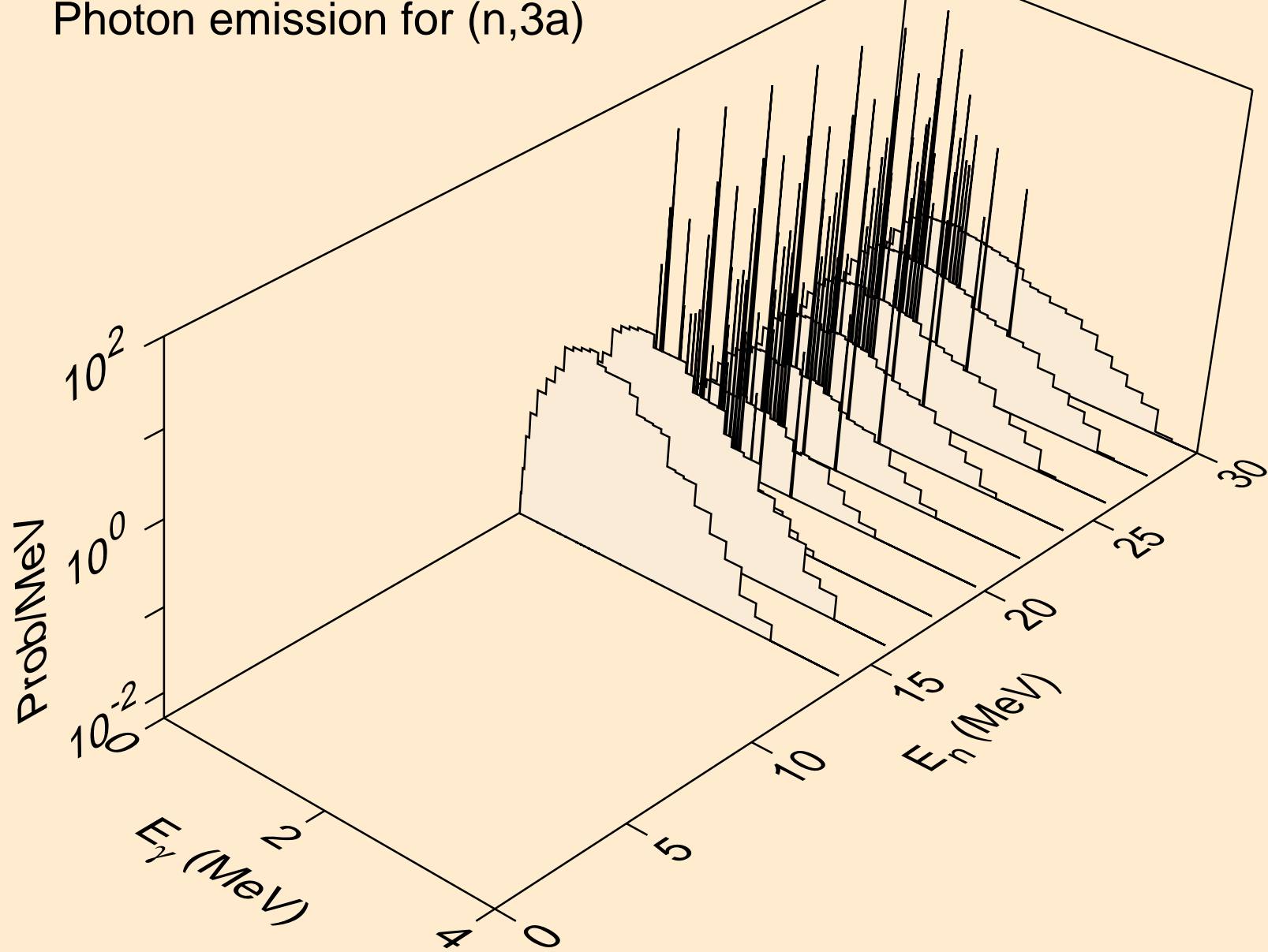
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Photon emission for (n,a)



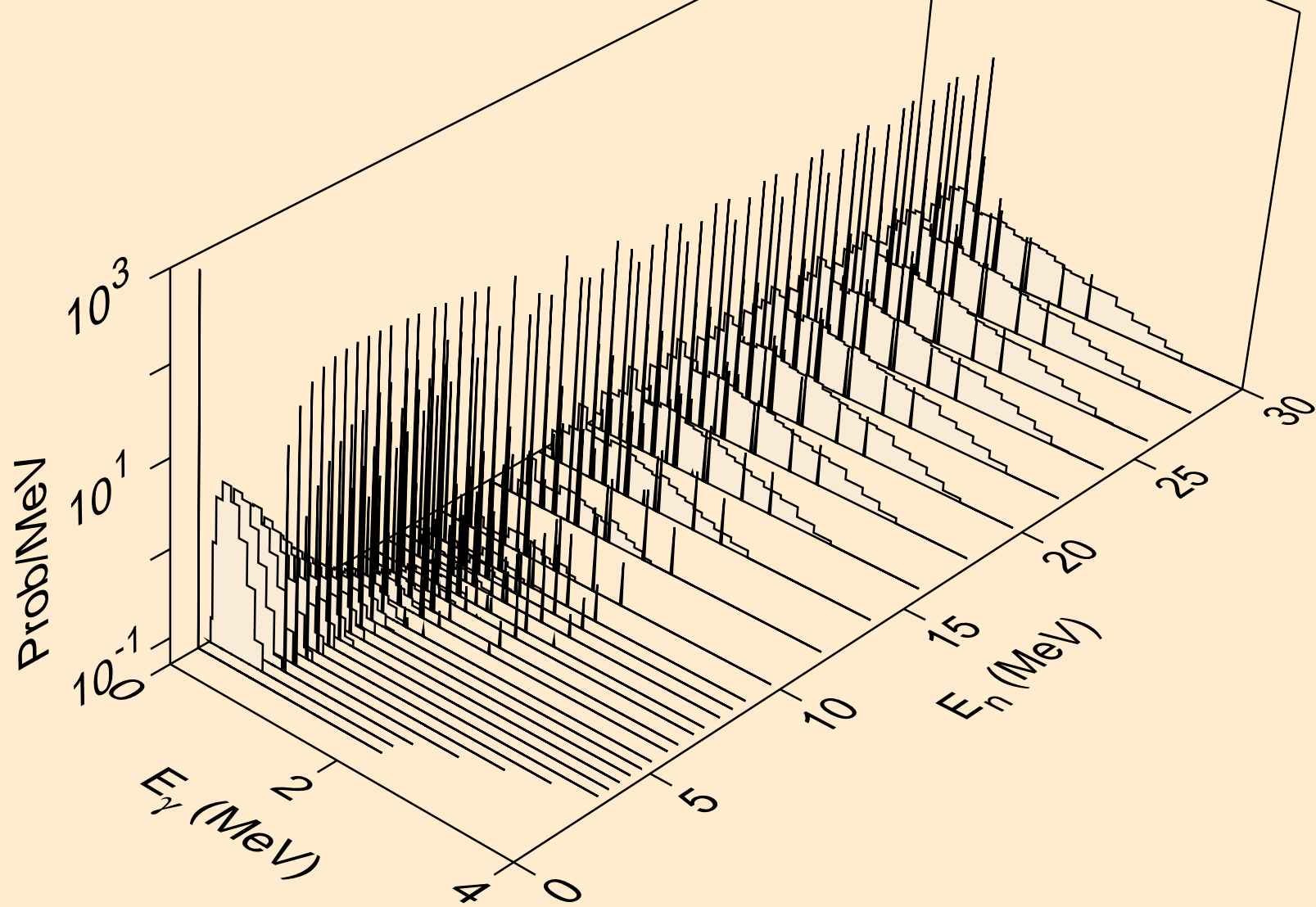
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Photon emission for (n,2a)



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Photon emission for (n,3a)

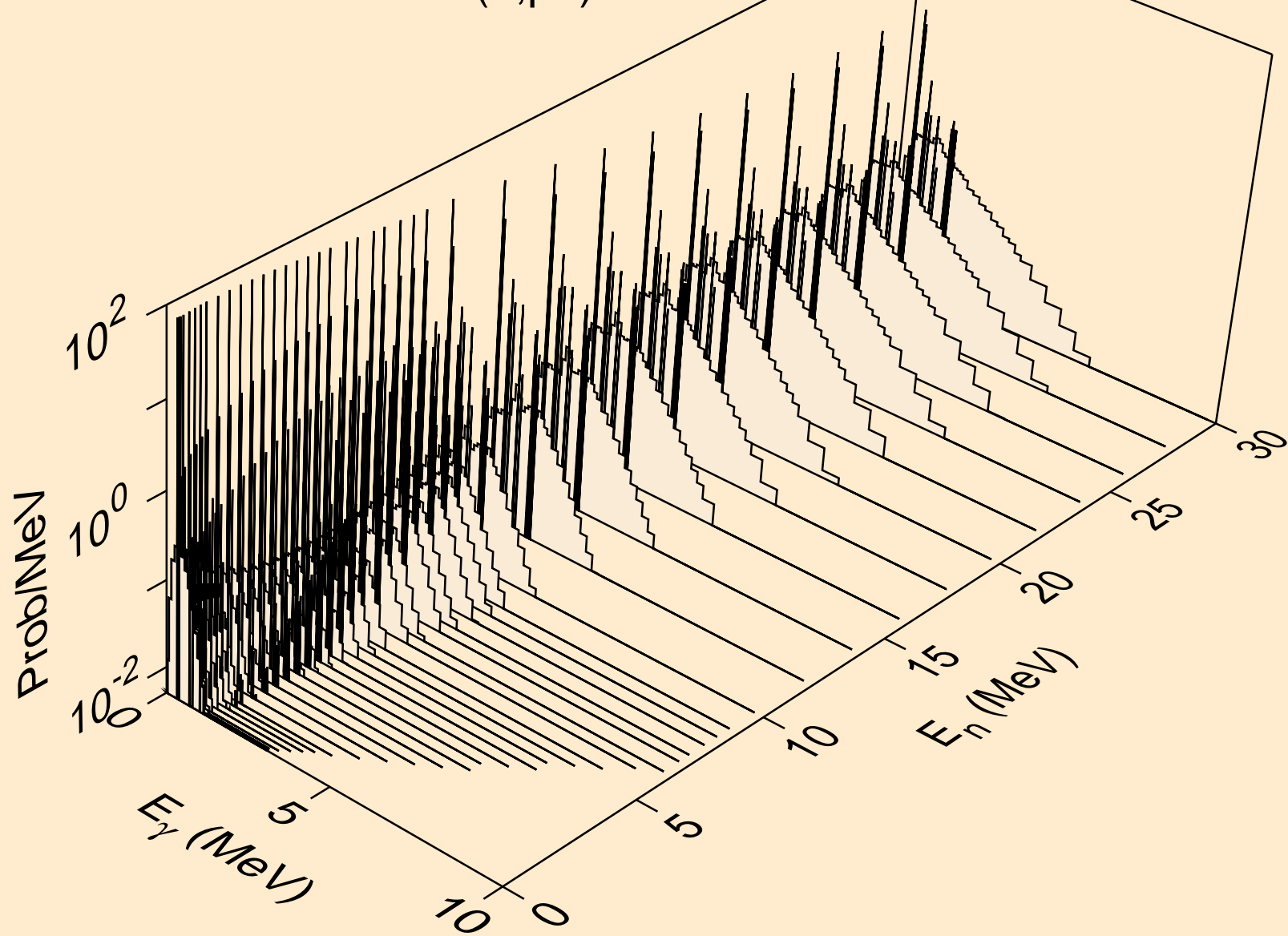


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Photon emission for (n,2p)

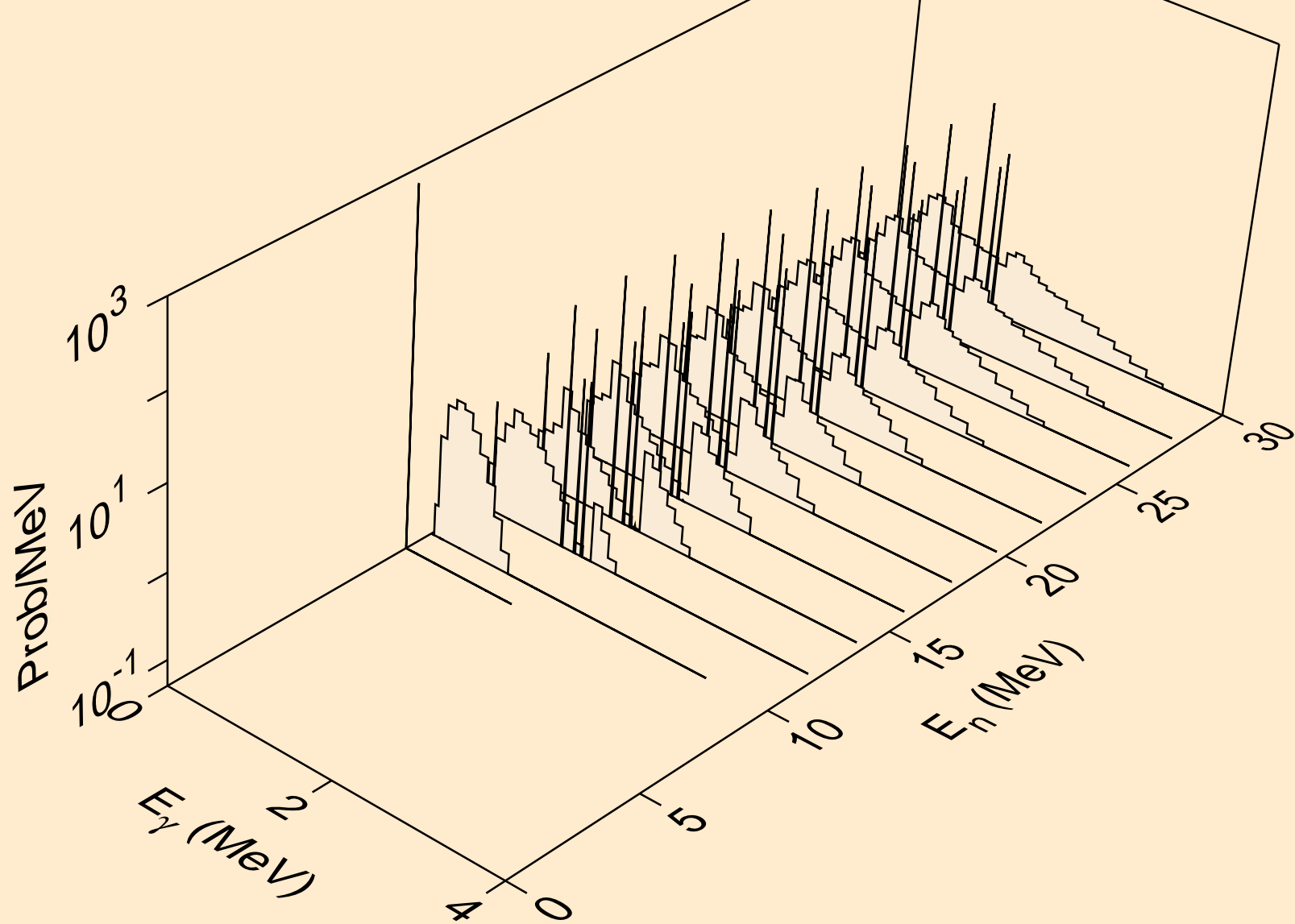




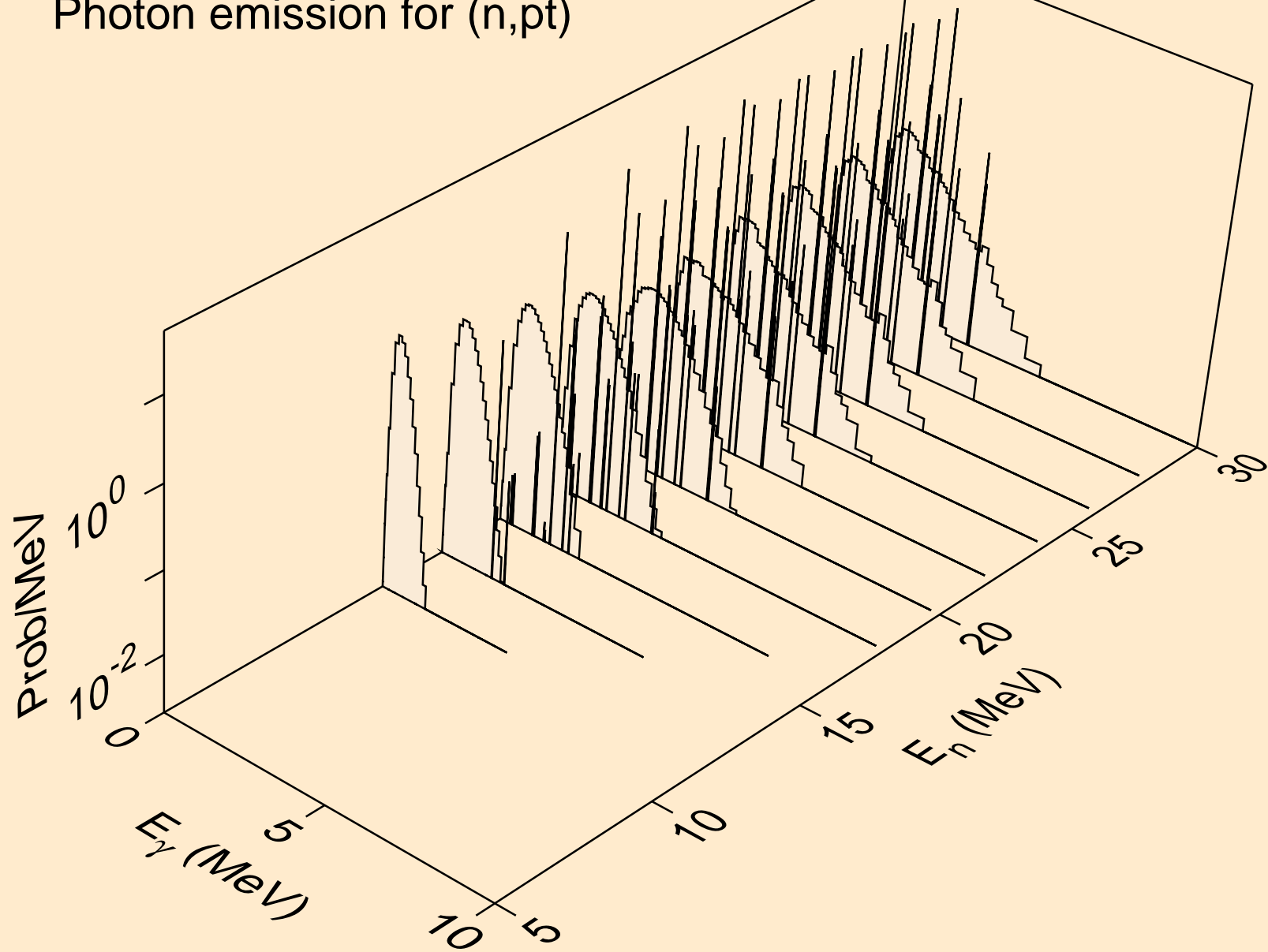
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Photon emission for (n,p $\alpha$ )



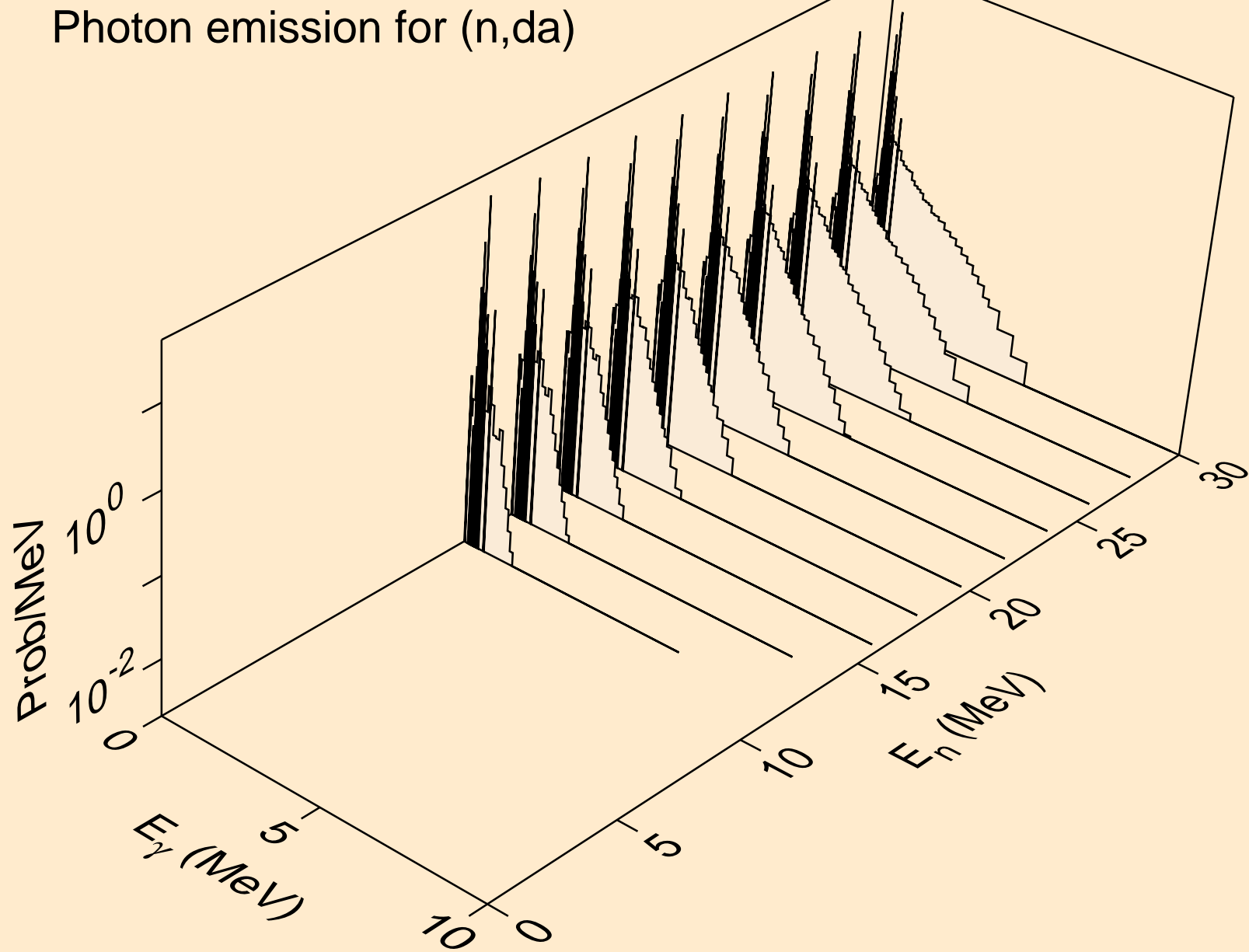
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Photon emission for (n,pd)



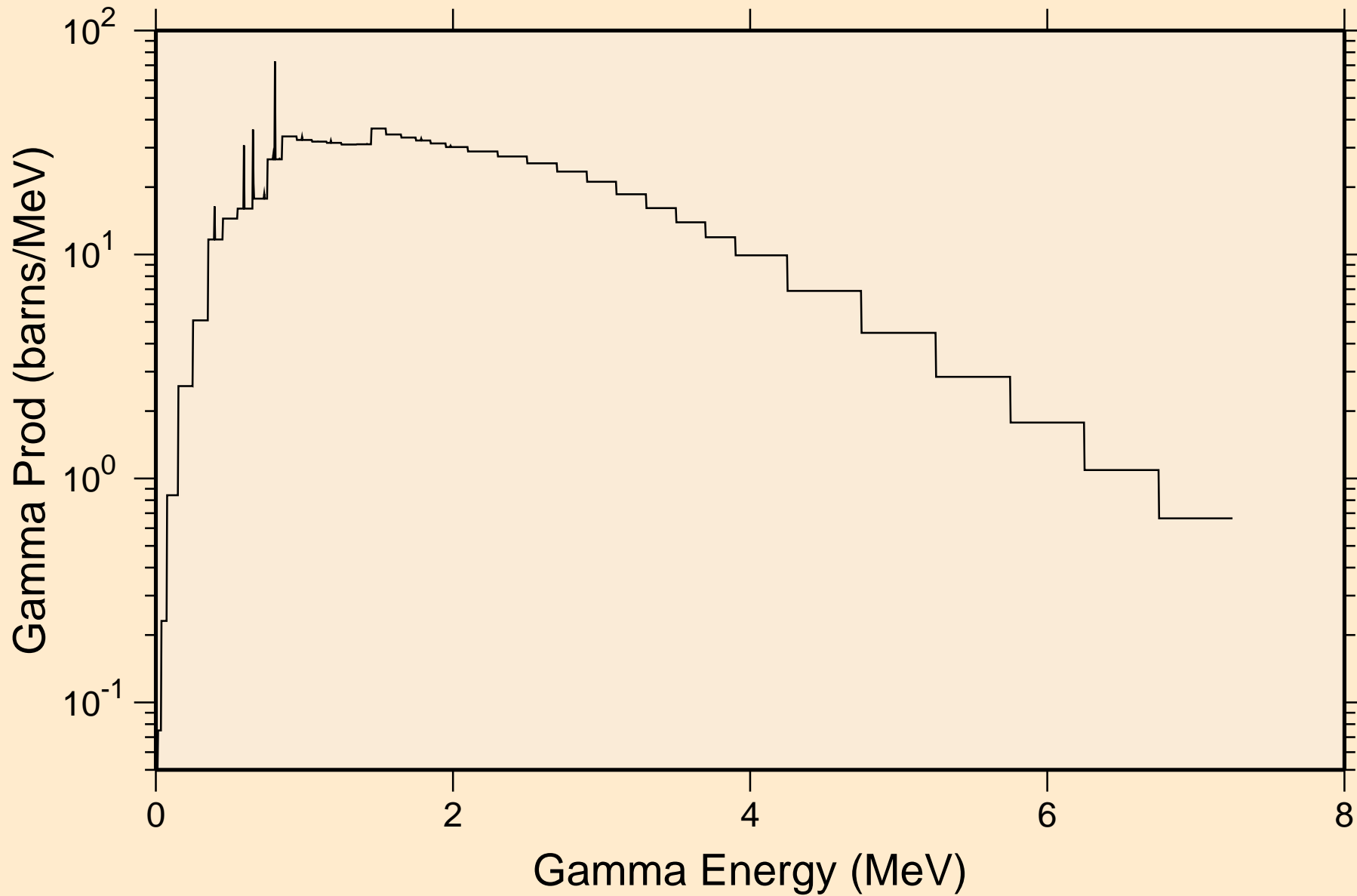
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Photon emission for (n,pt)



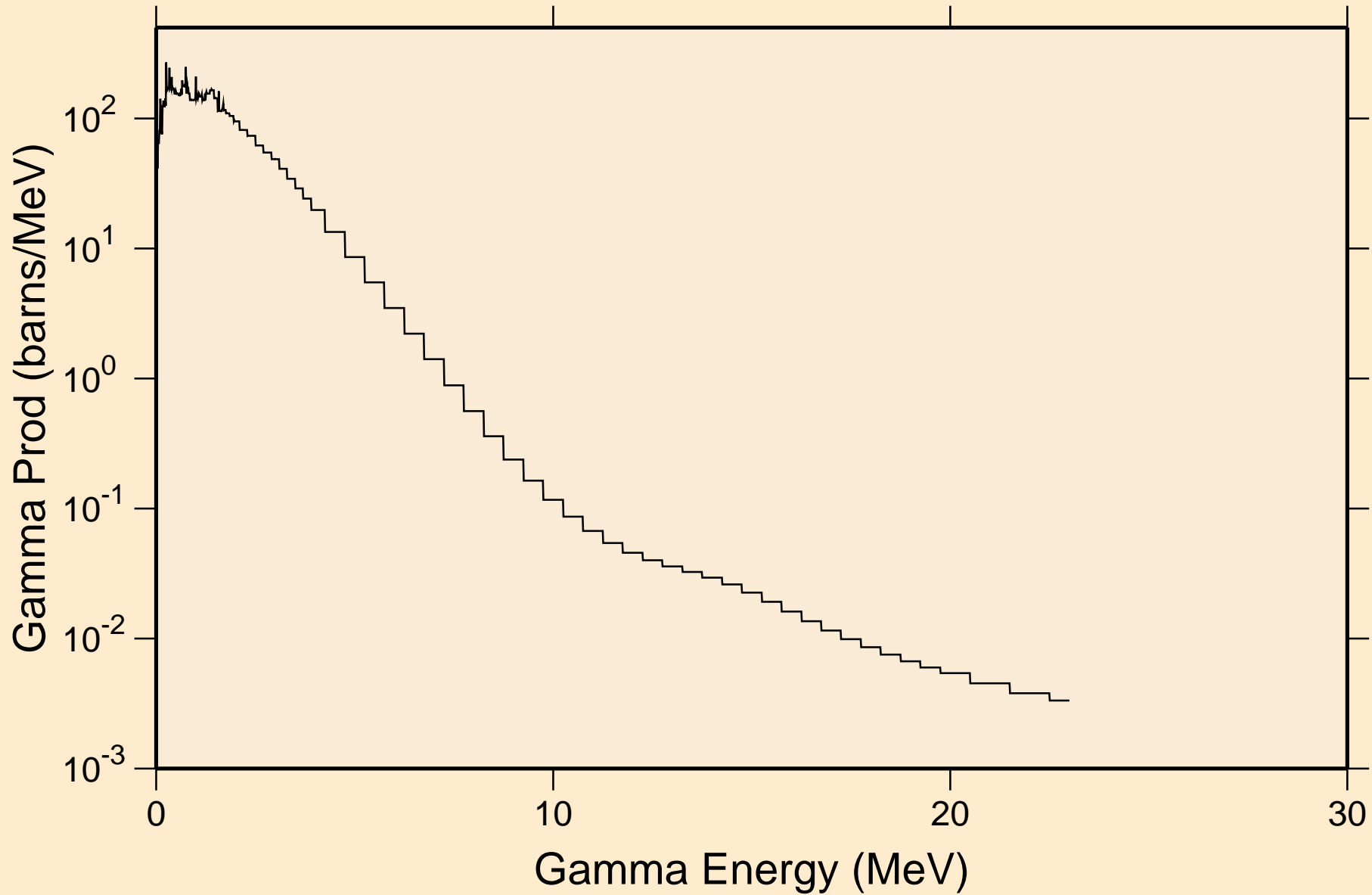
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Photon emission for (n,da)



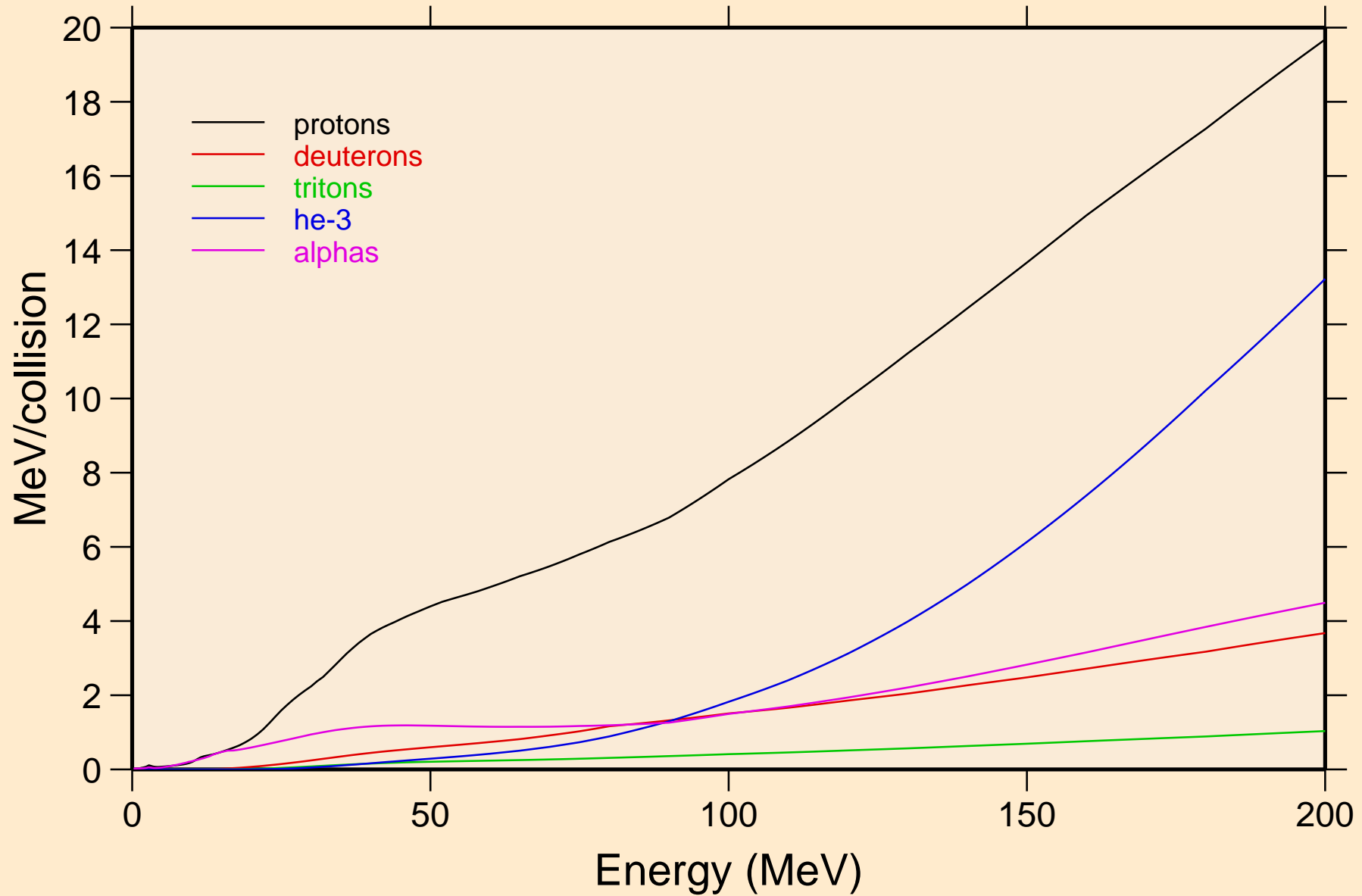
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thermal capture photon spectrum



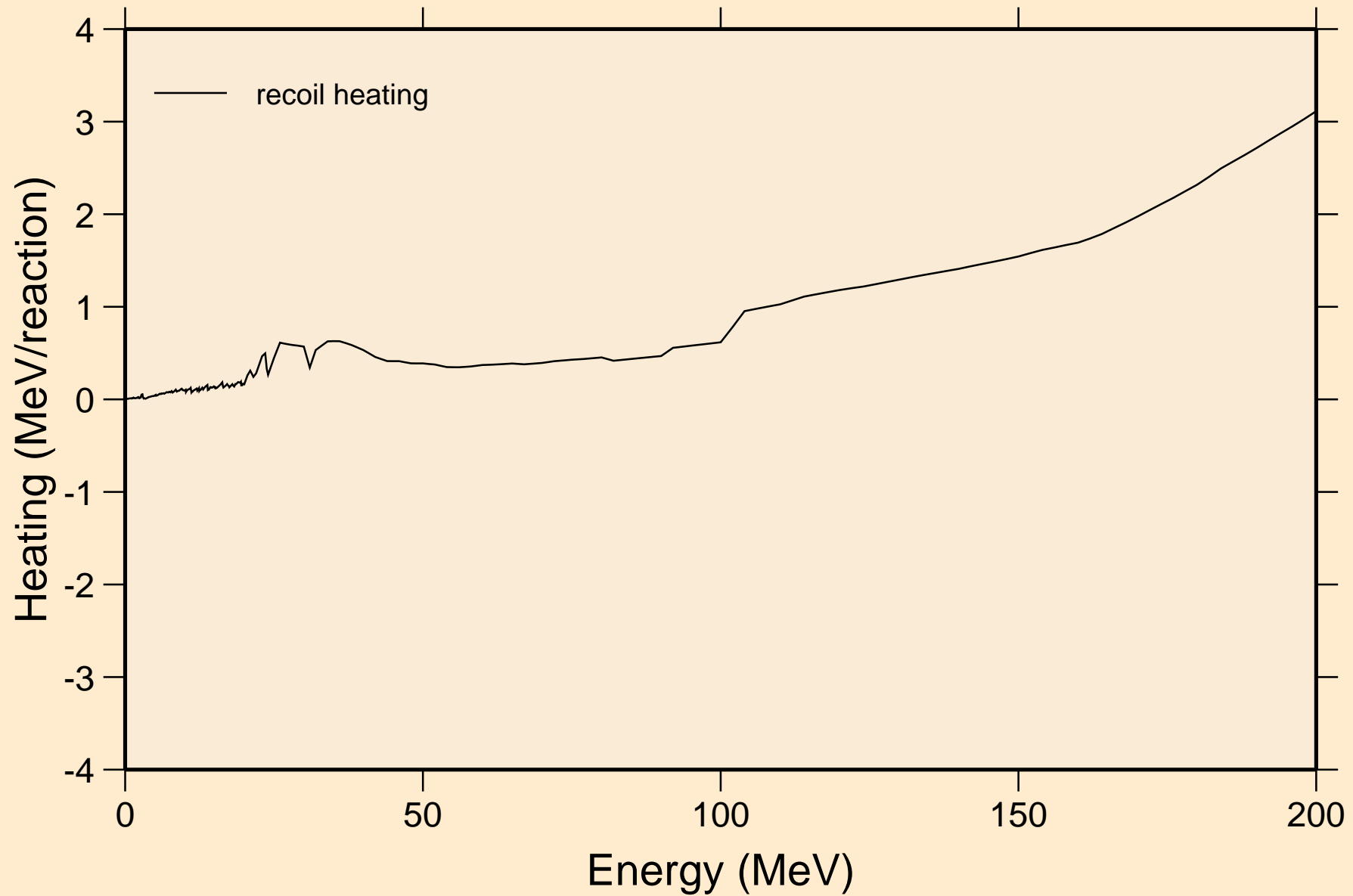
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14 MeV photon spectrum



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Particle heating contributions

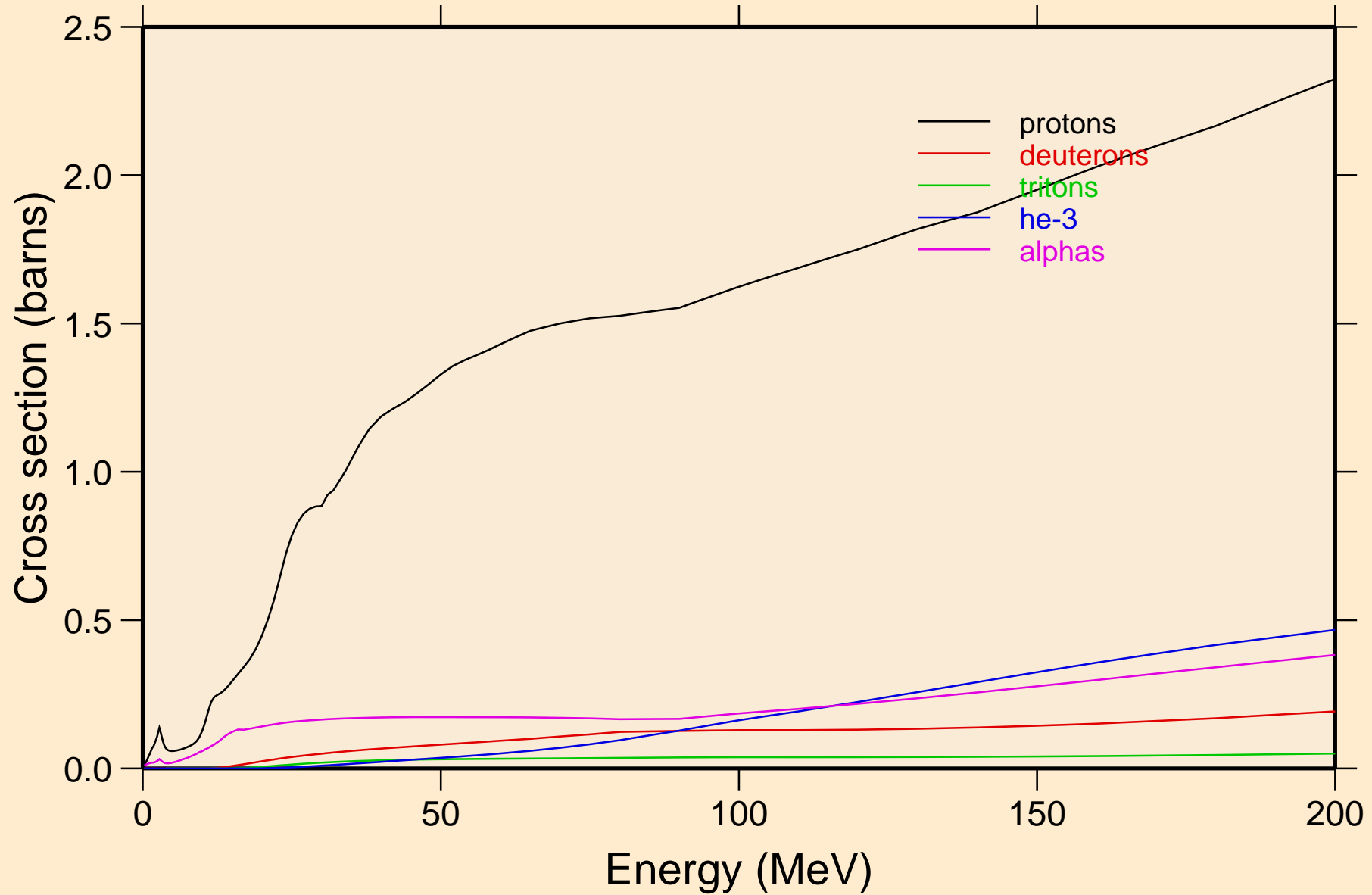


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Recoil Heating

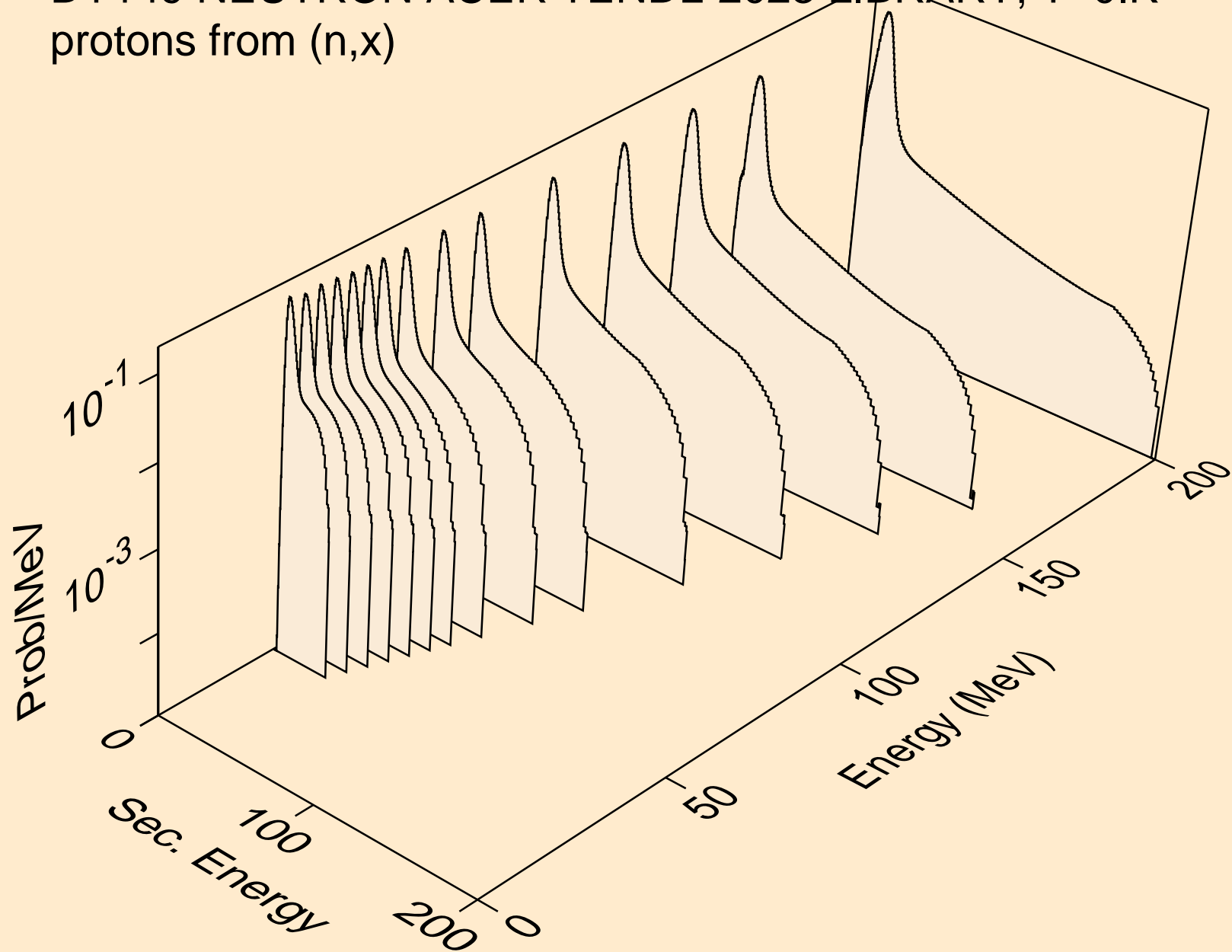




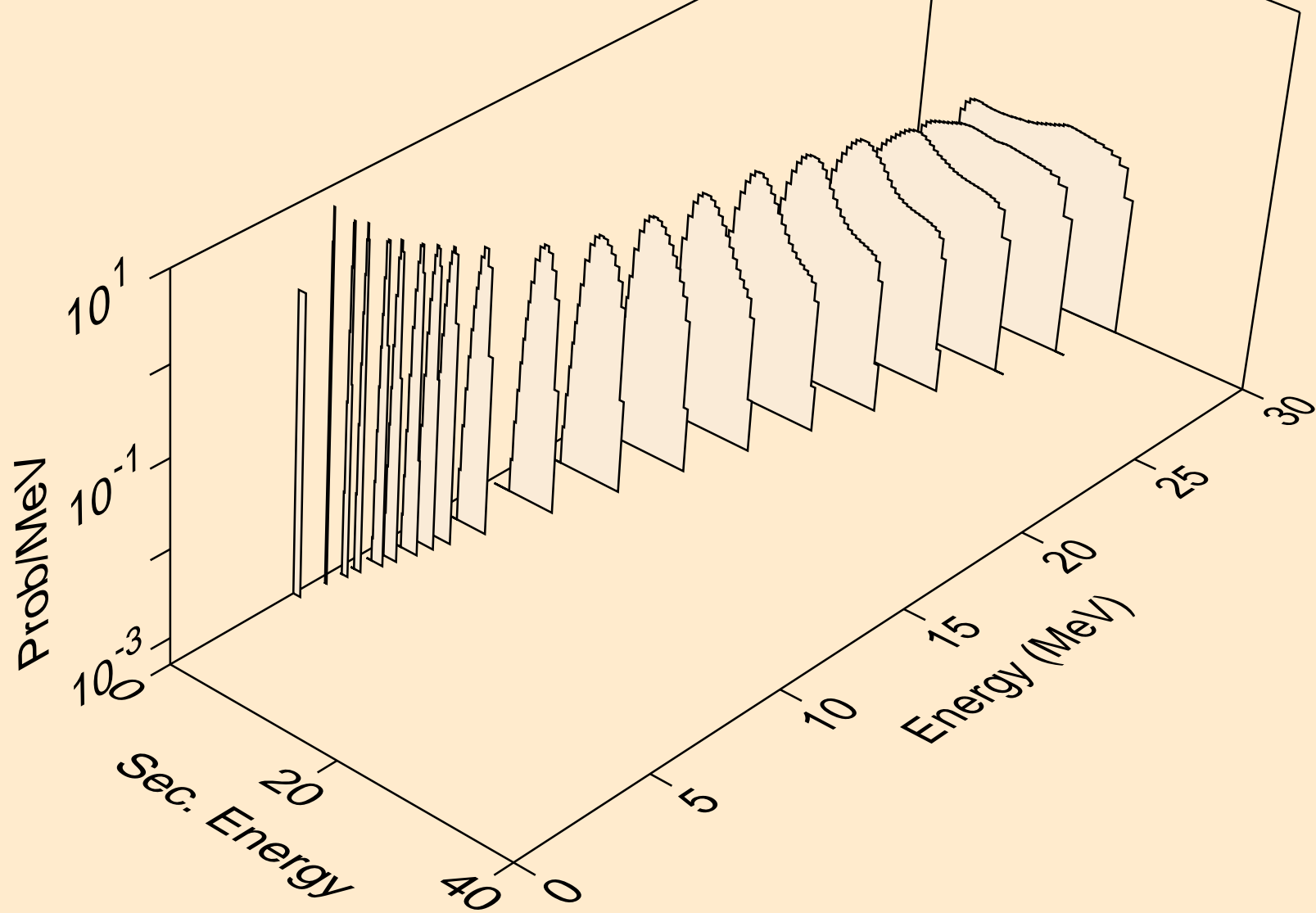
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Particle production cross sections



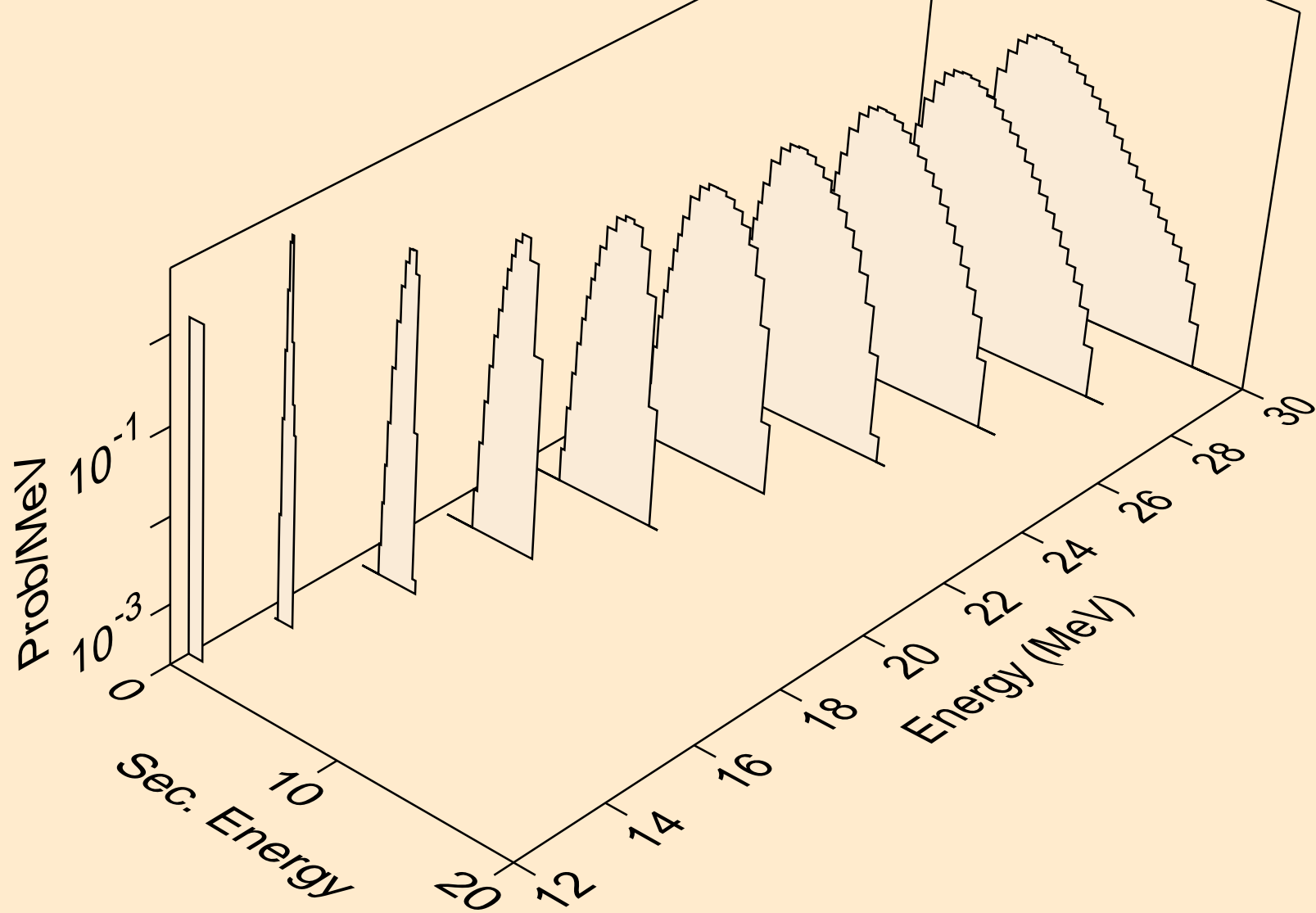
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protons from (n,x)



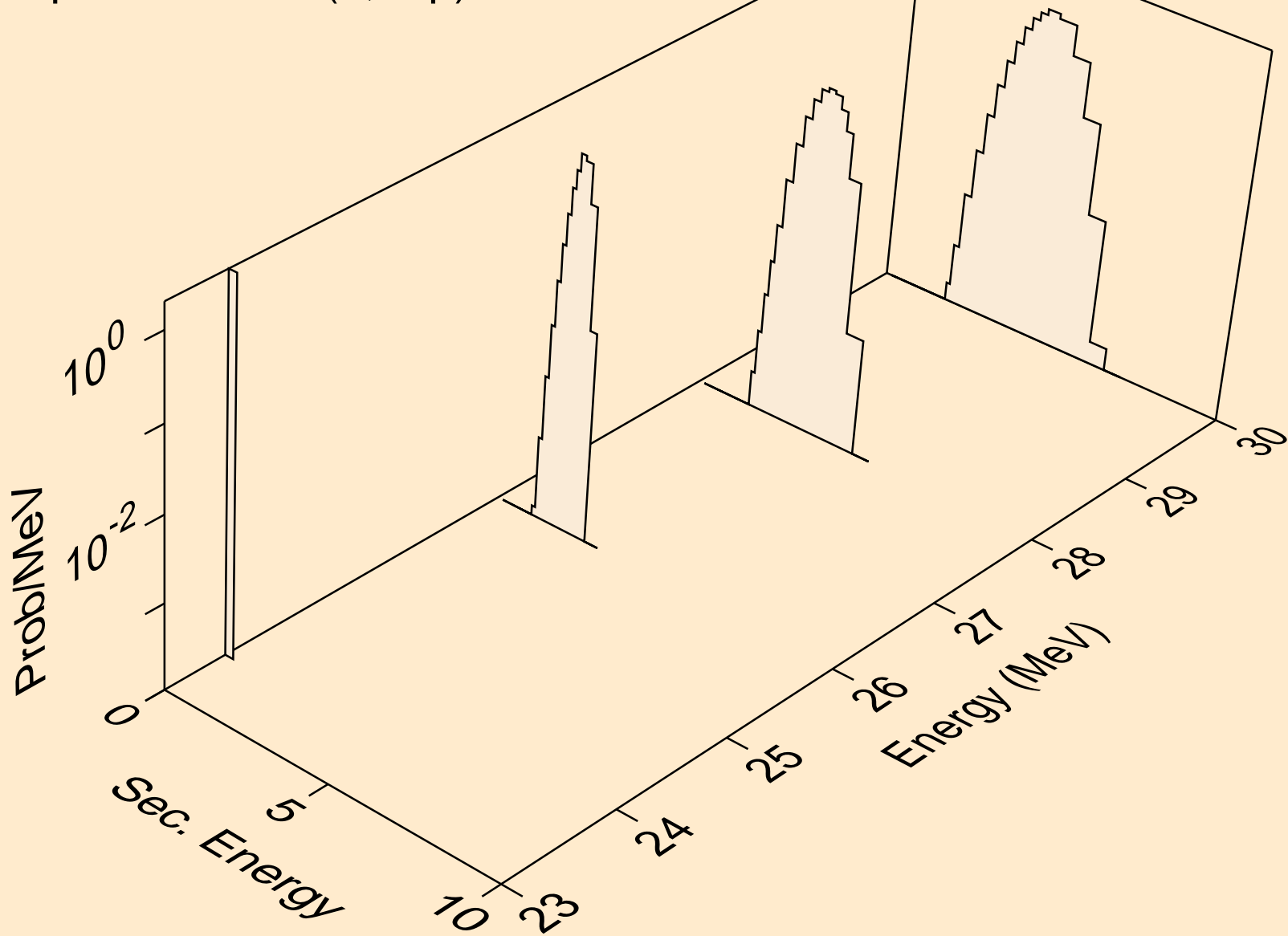
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protons from (n,n\*)p



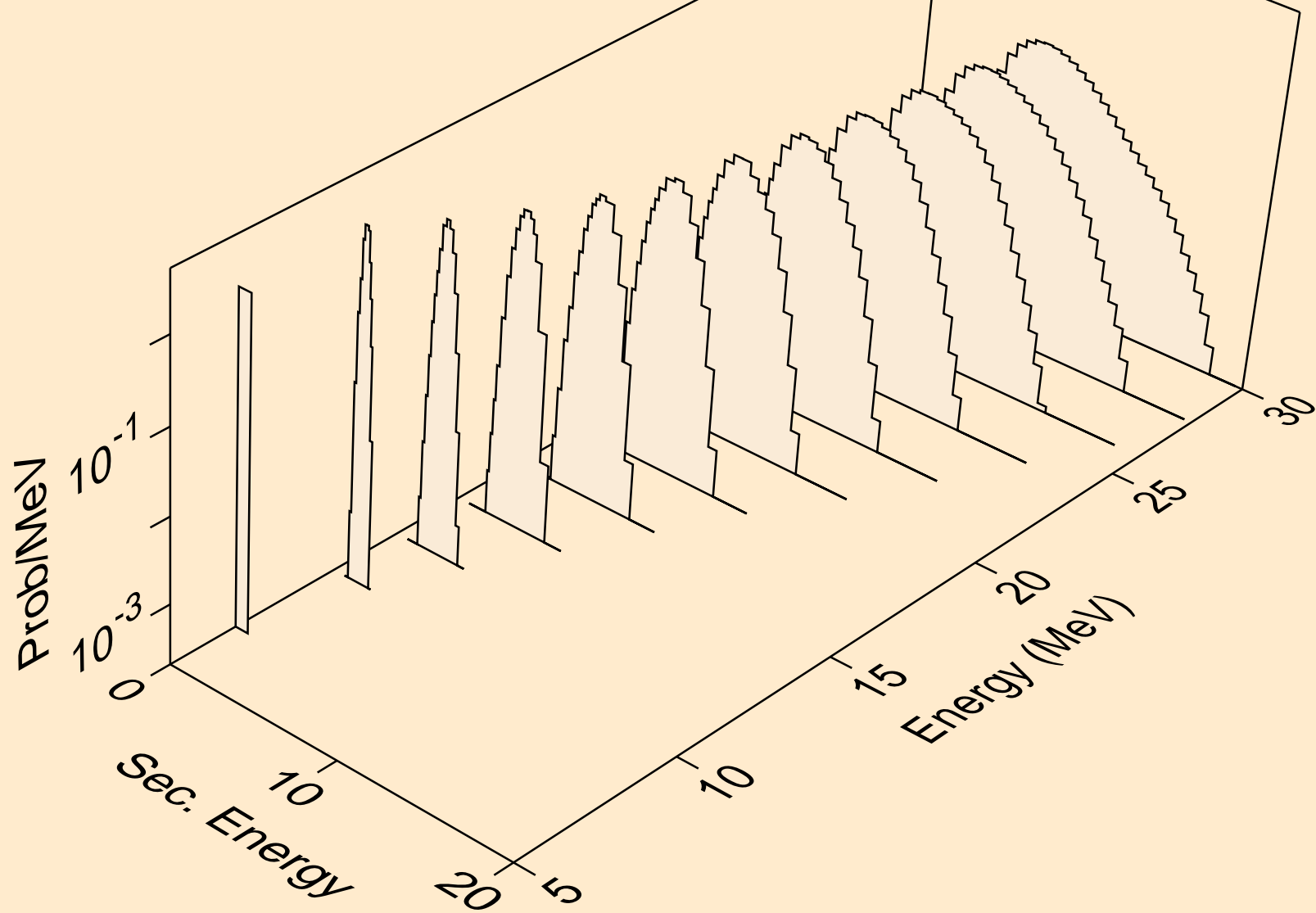
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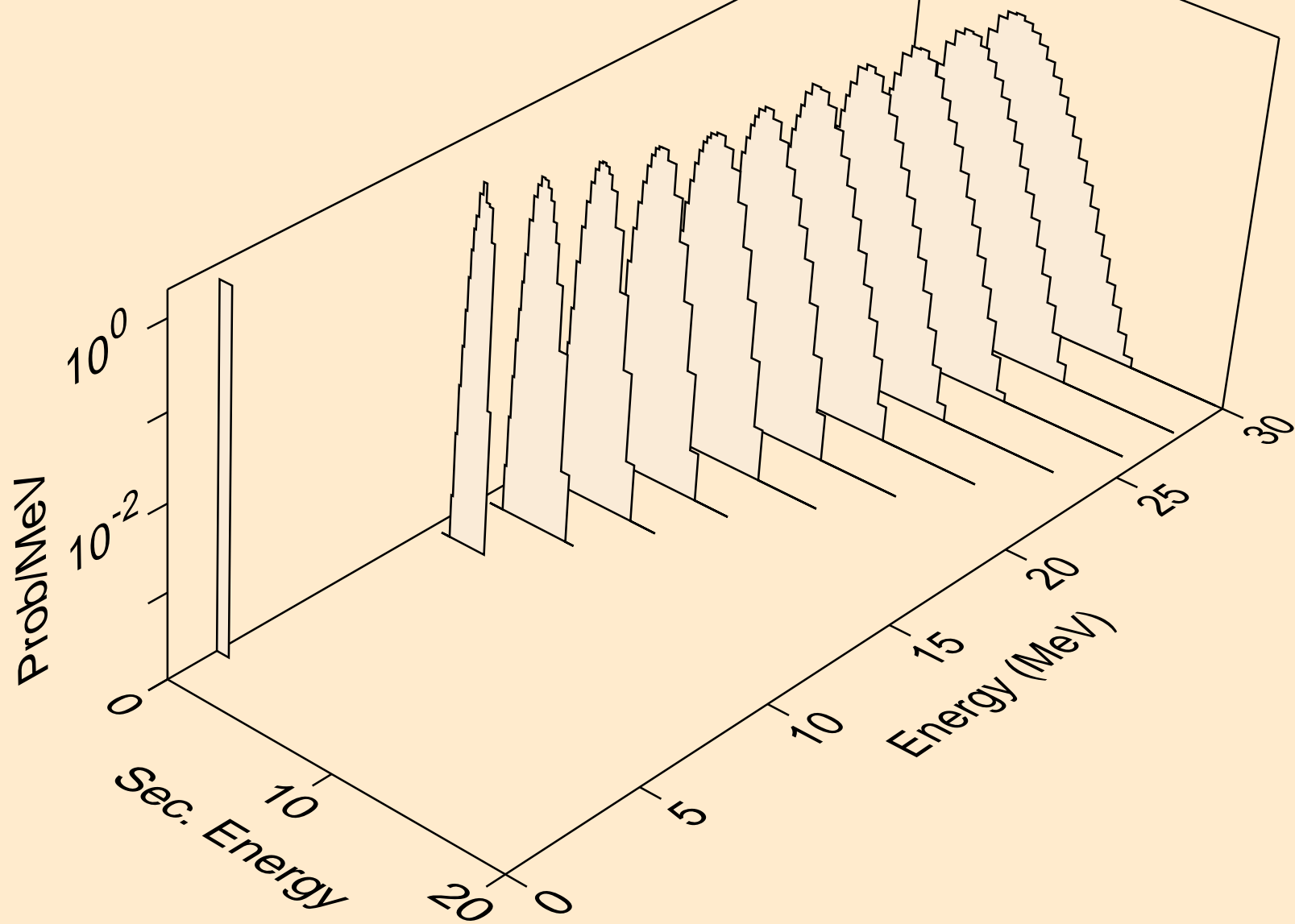
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protons from (n,3np)



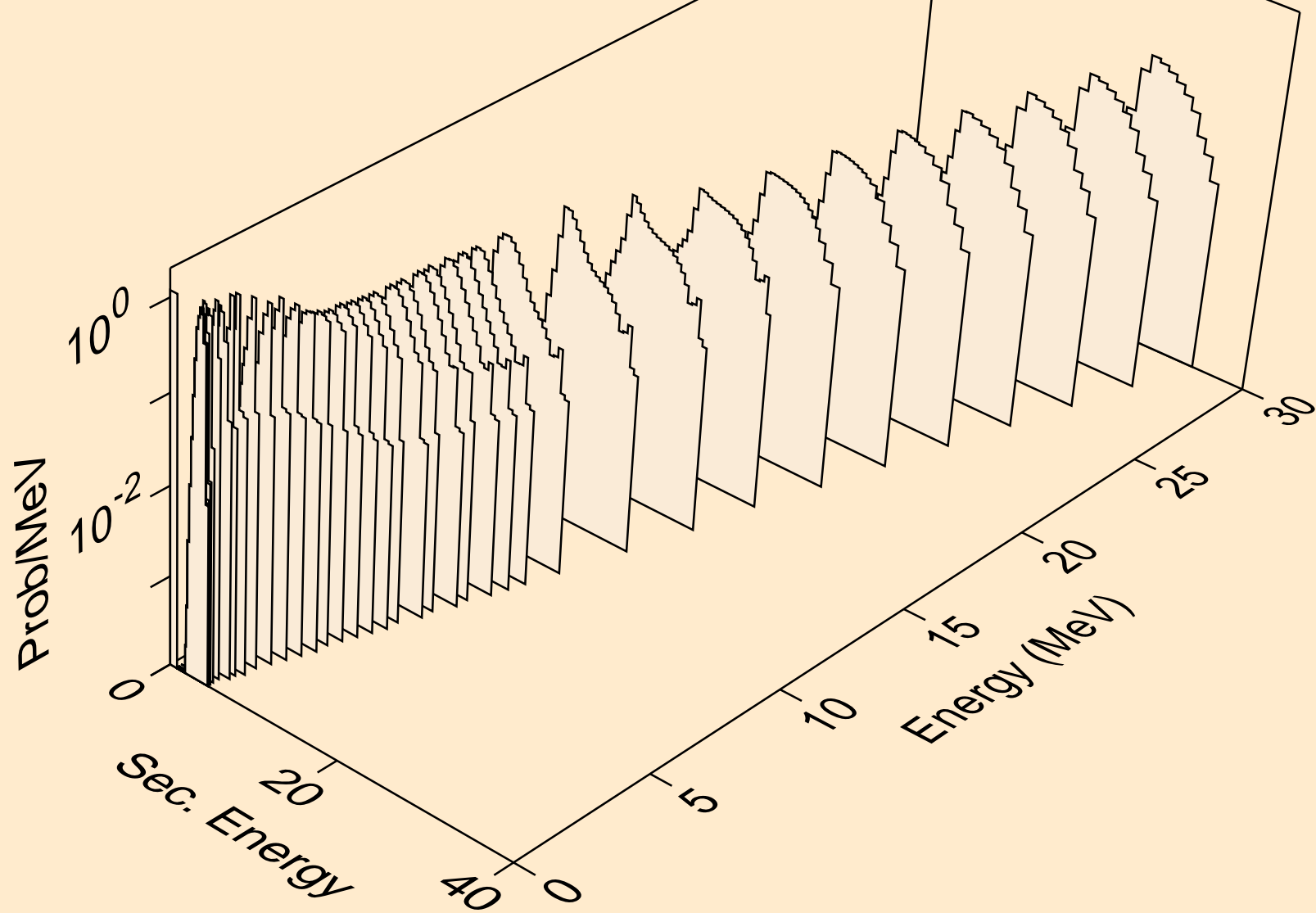
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protons from (n,n2p)



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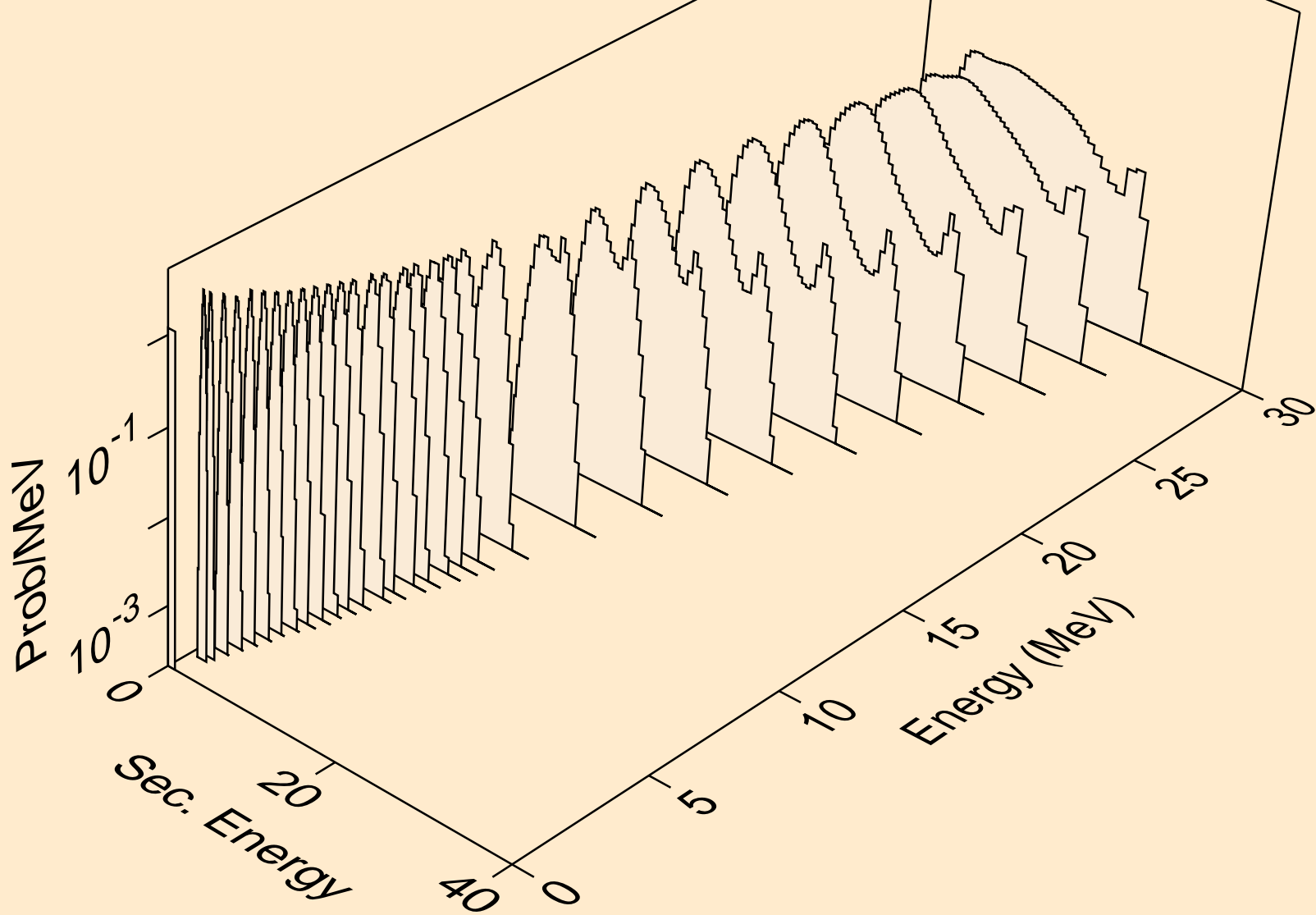


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protons from (n,p)

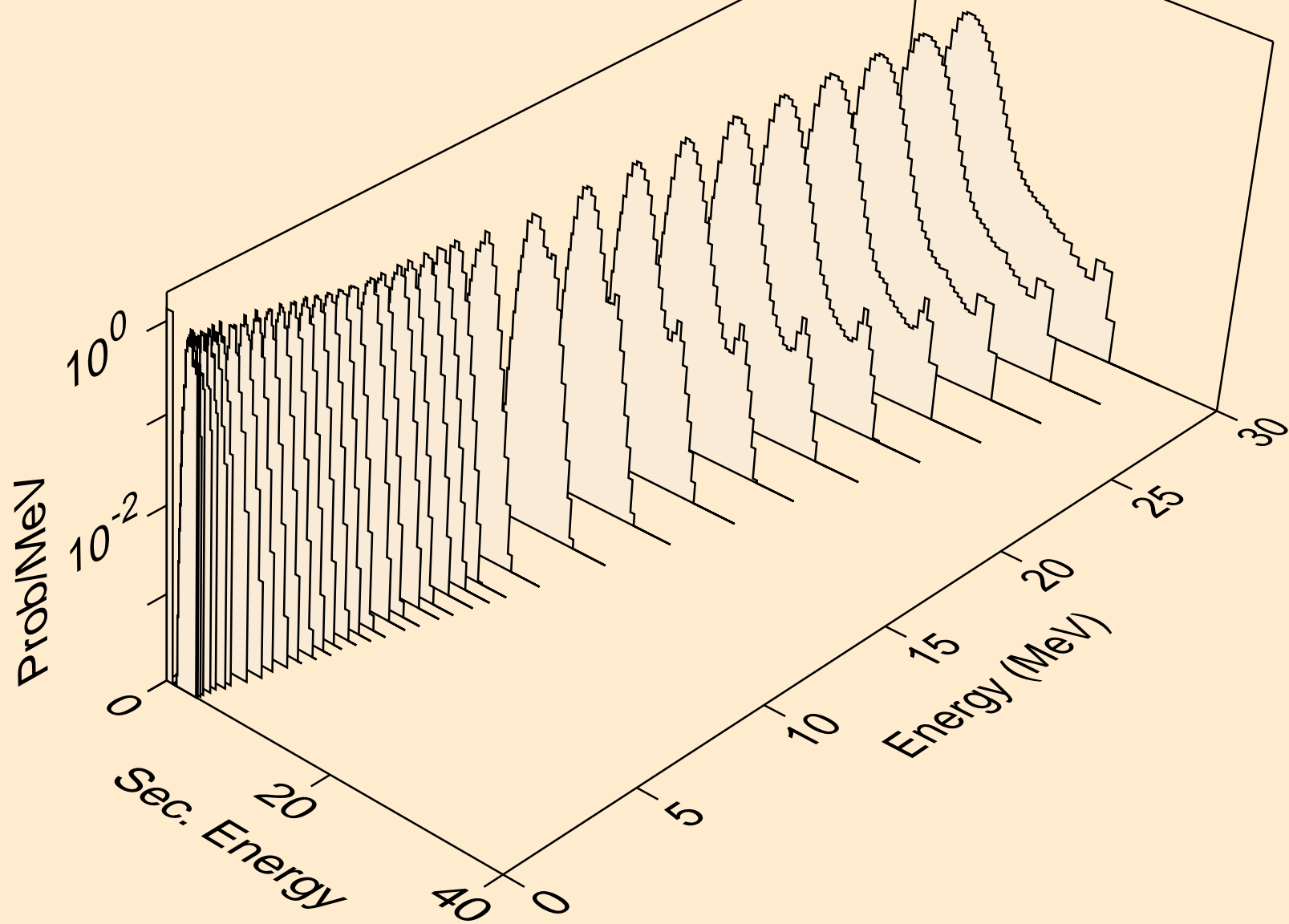




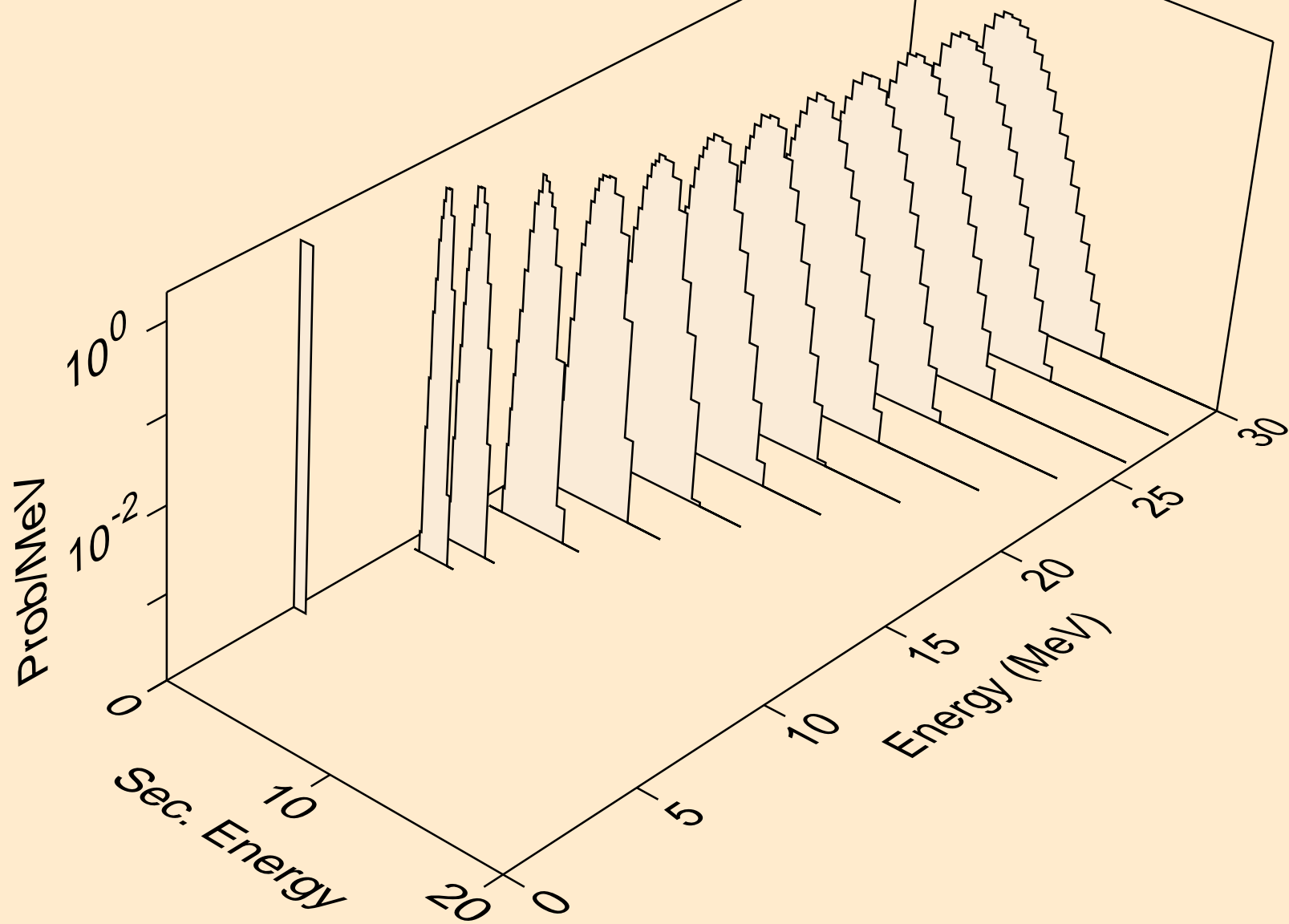
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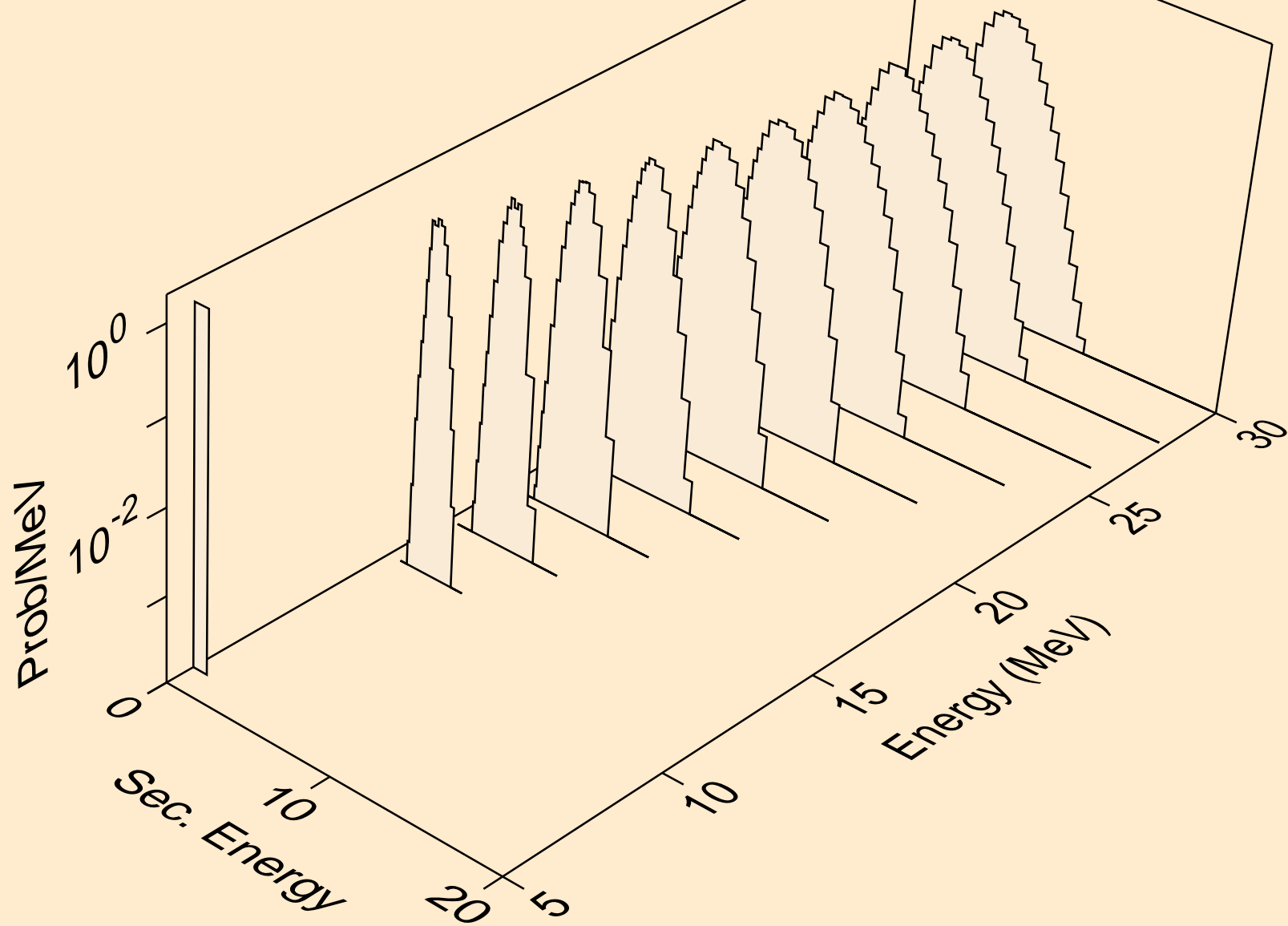
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protons from (n,p)



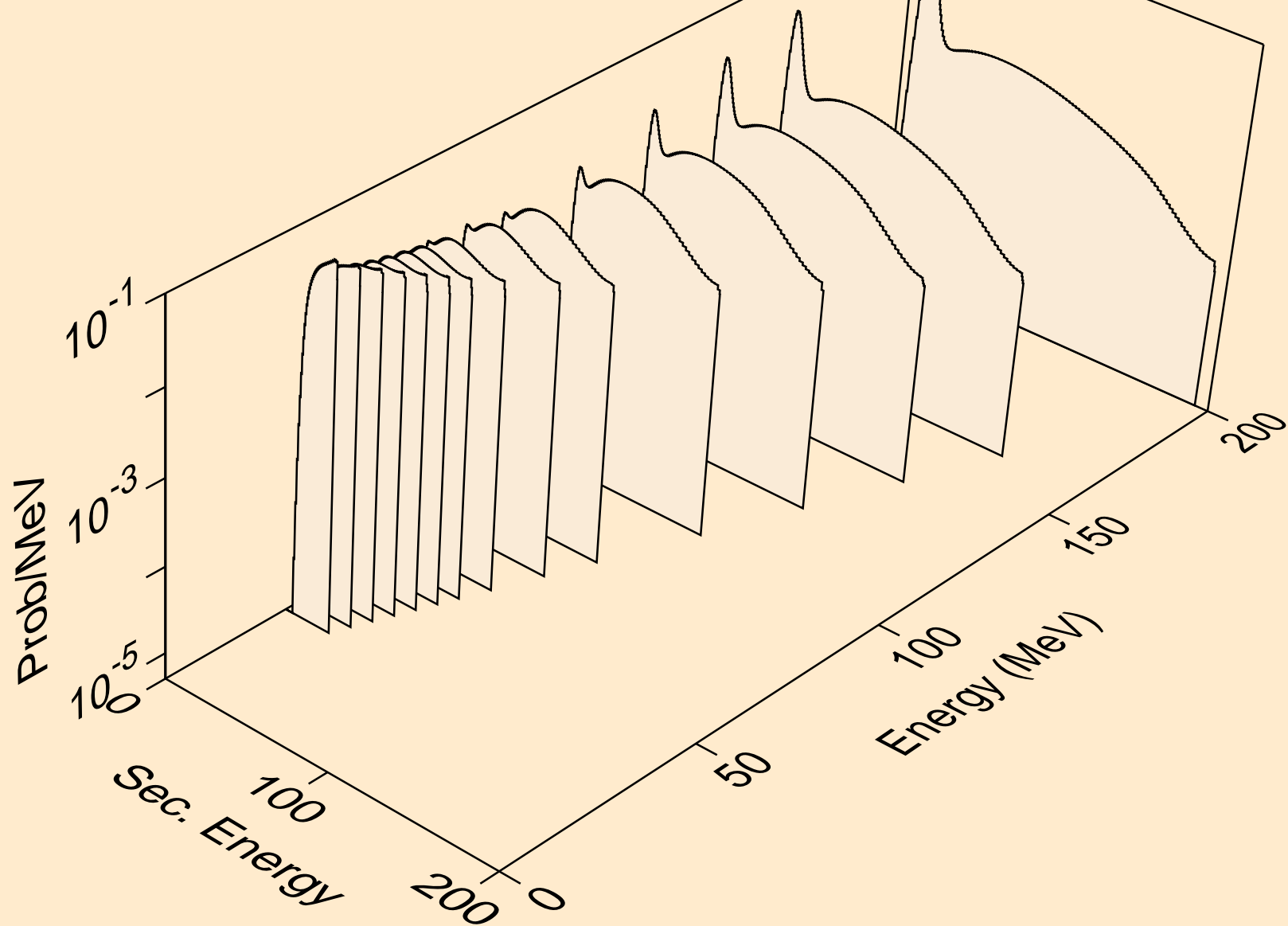
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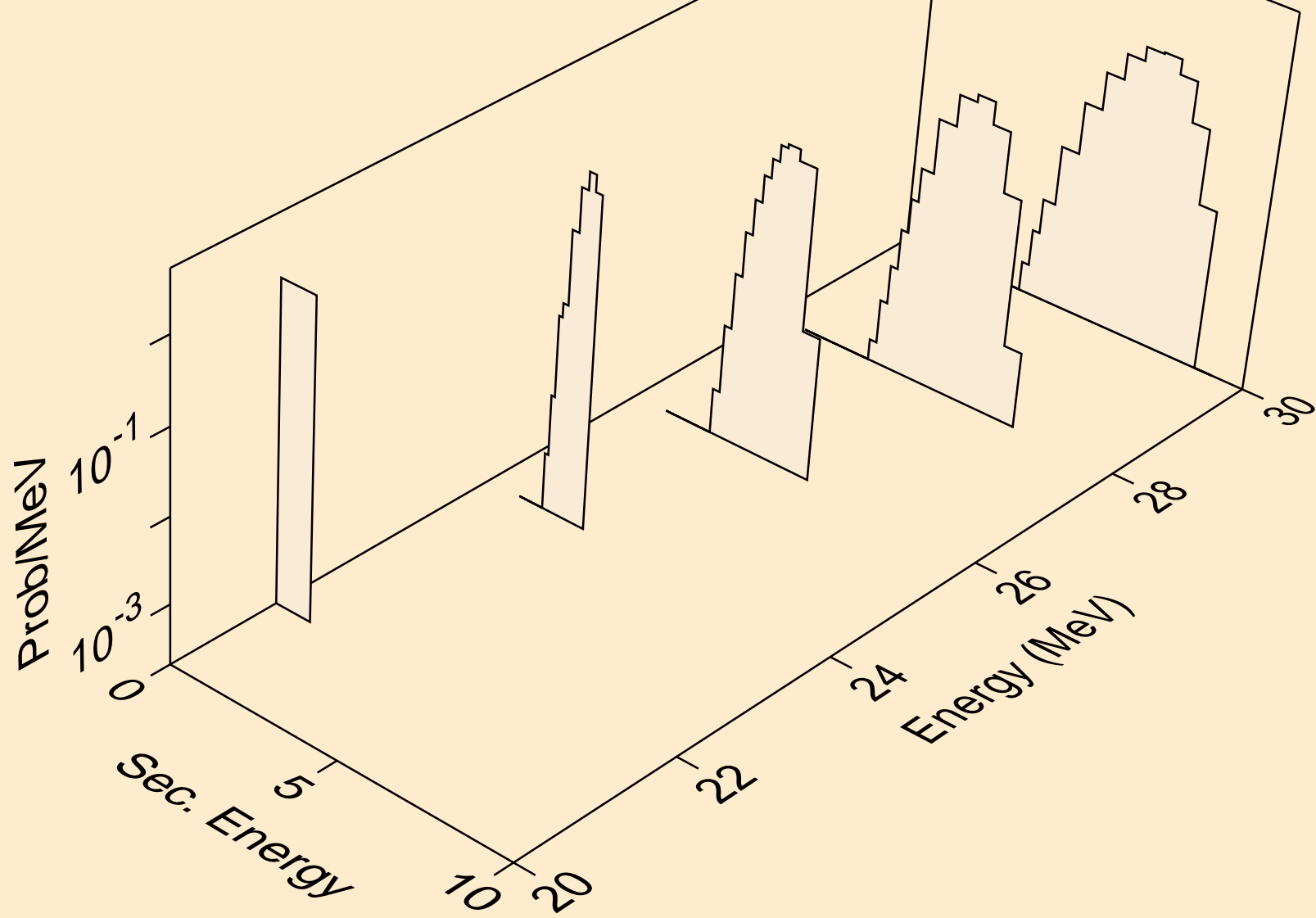
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protons from (n,pt)



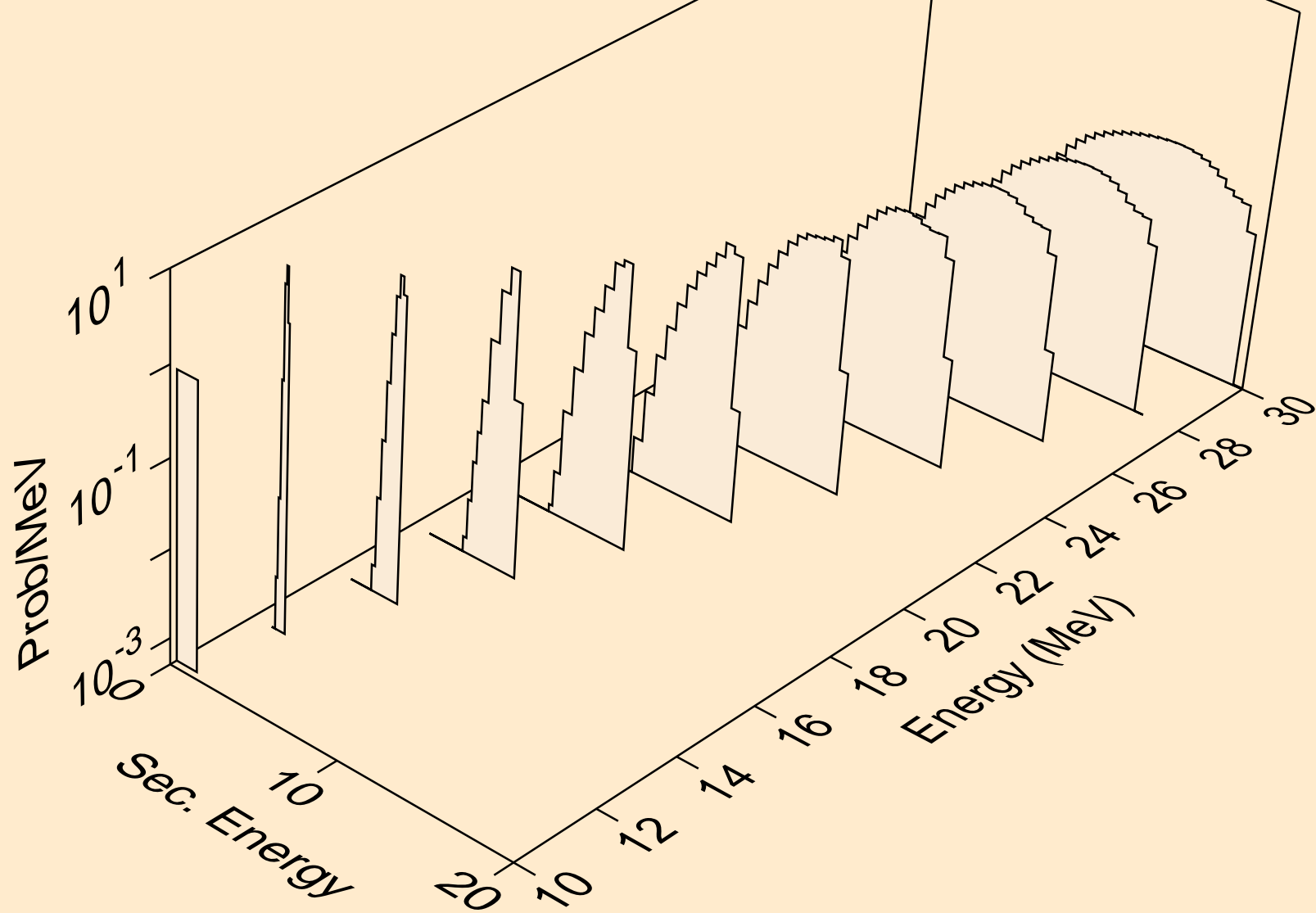
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deuterons from (n,x)



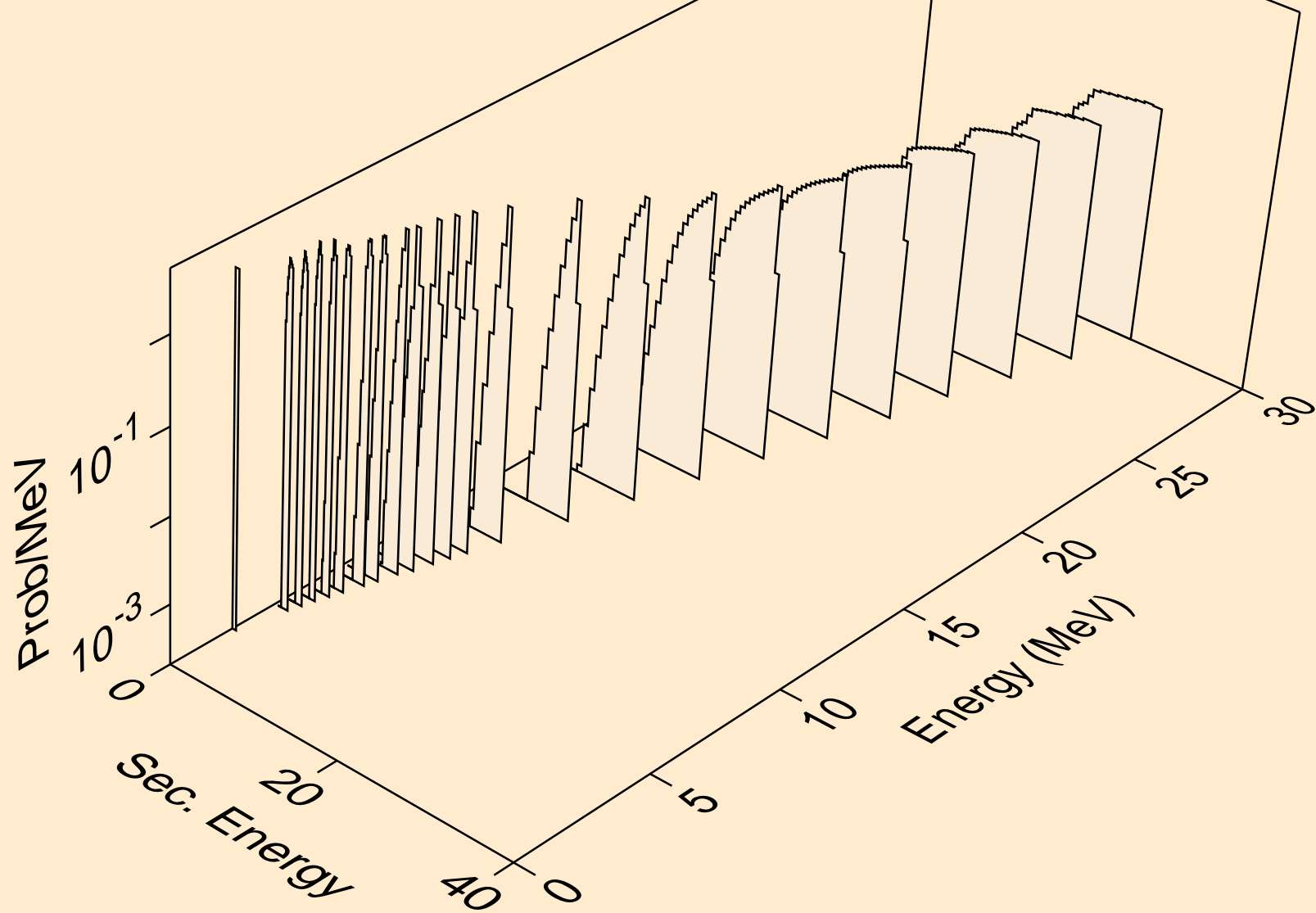
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deuterons from (n,2nd)



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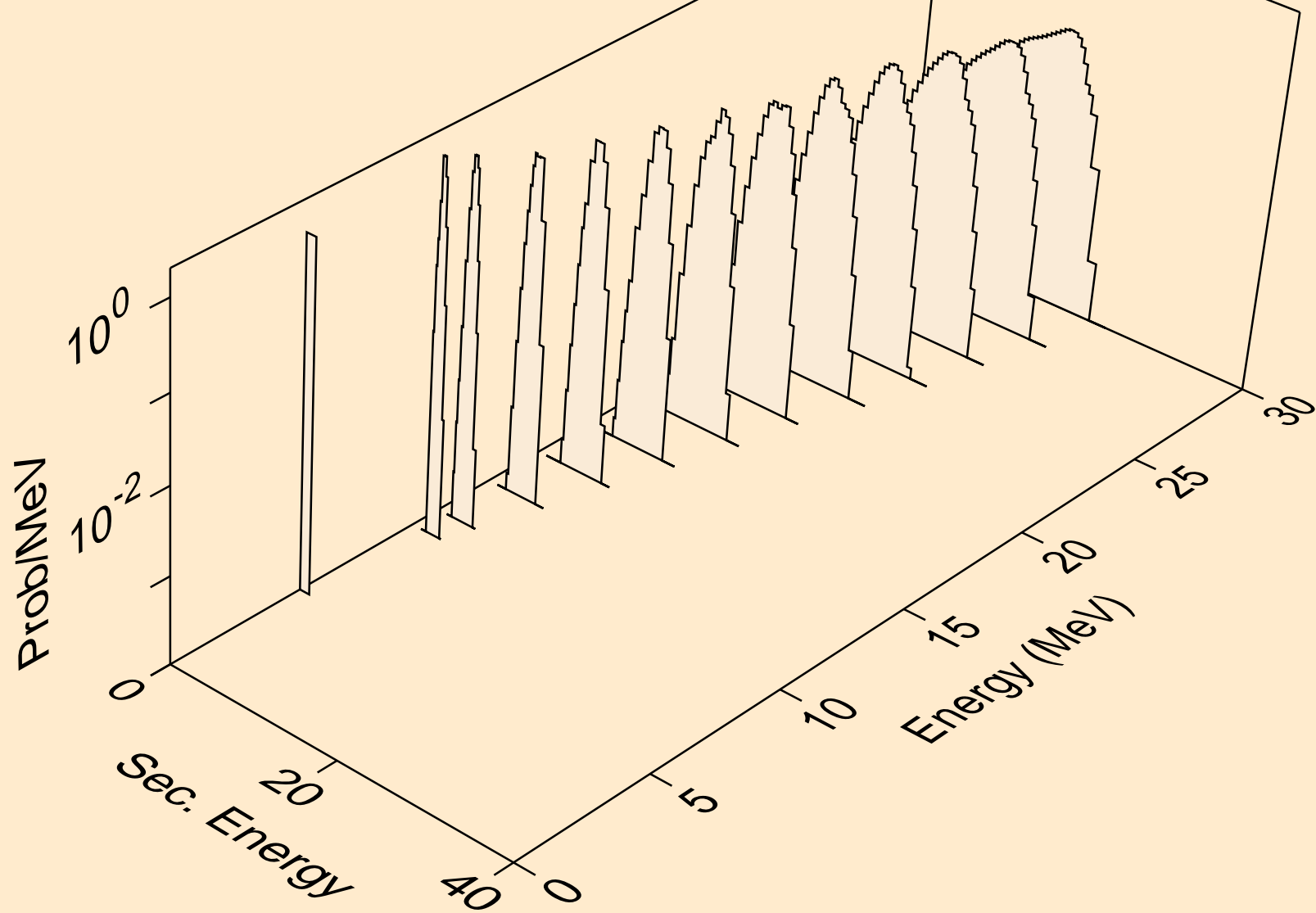


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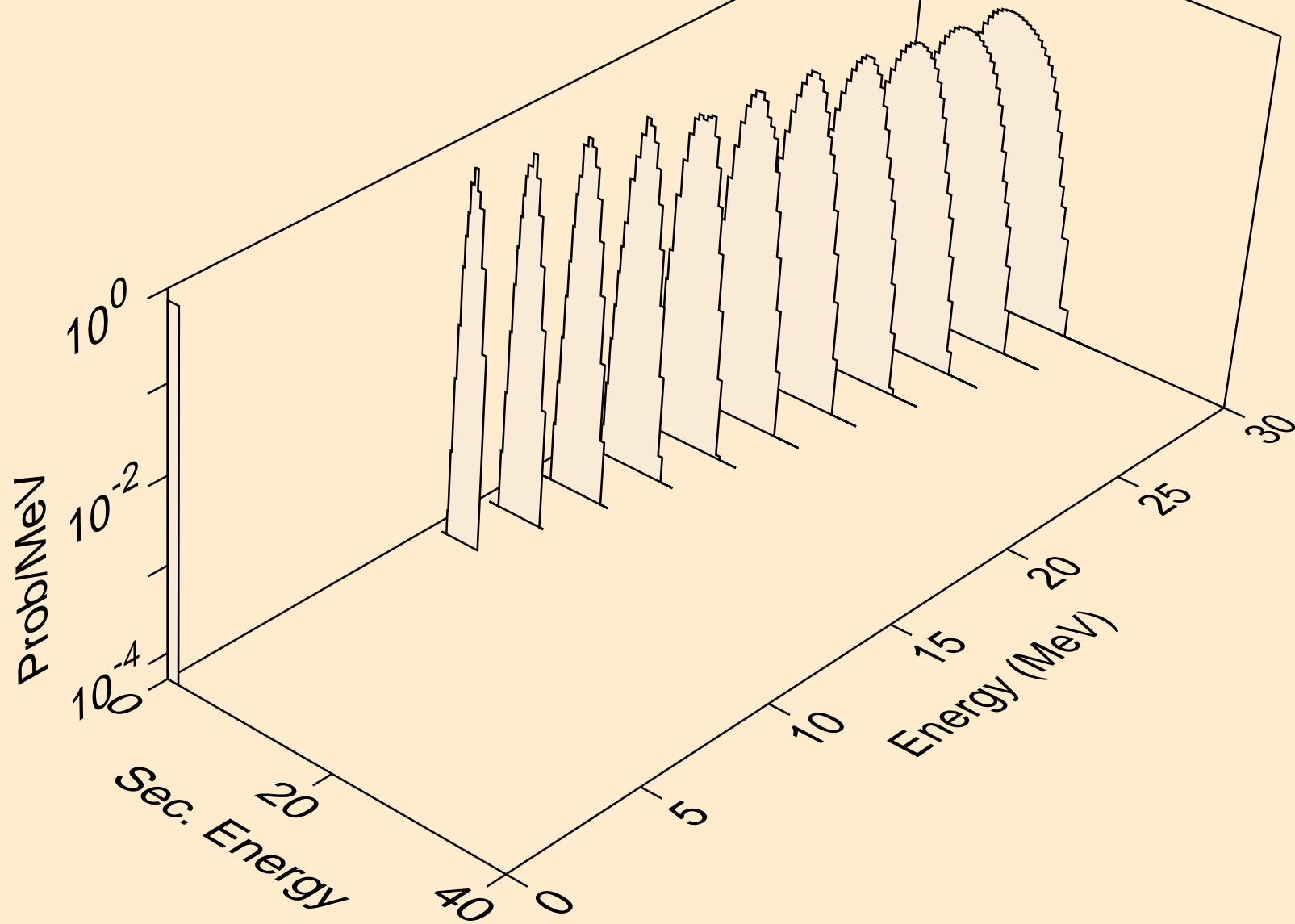




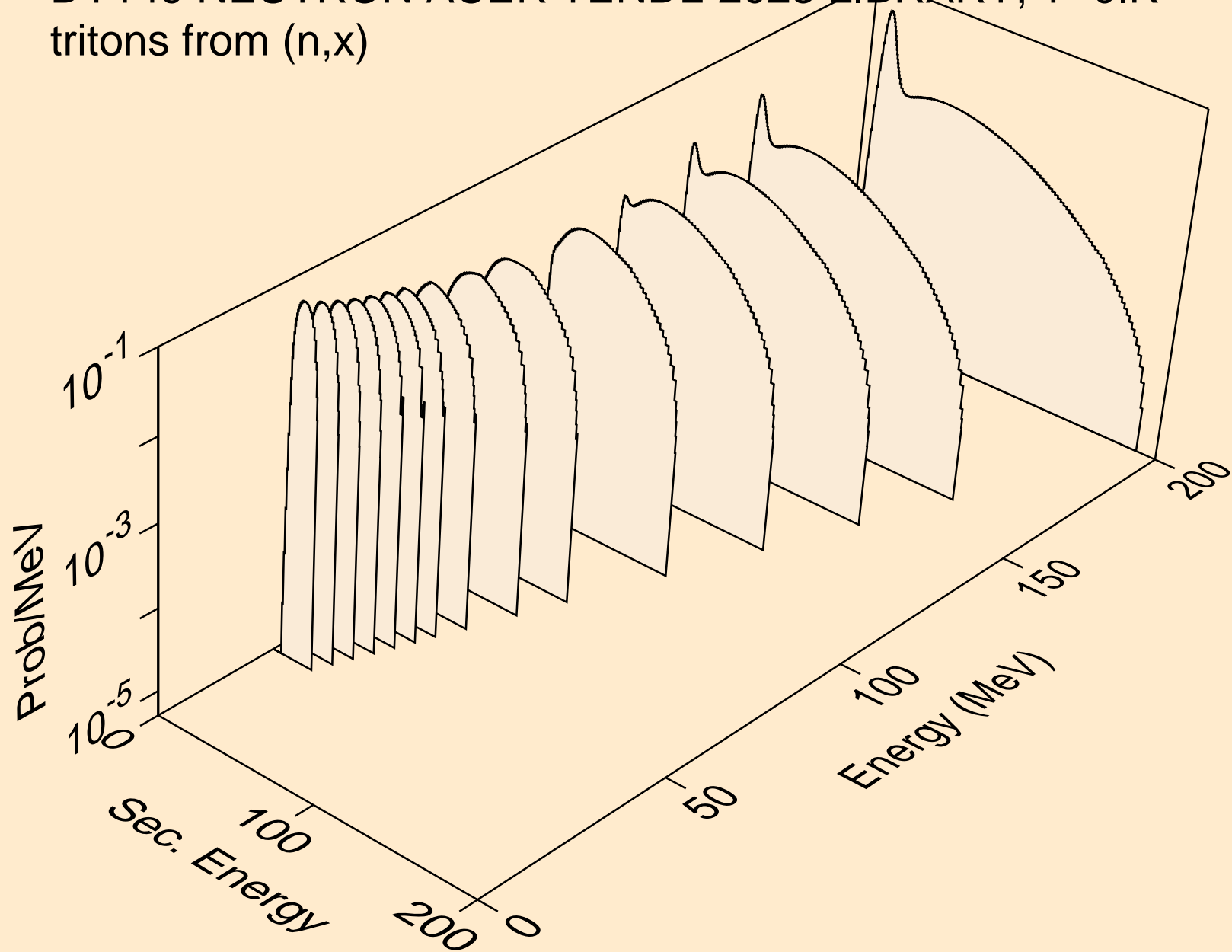
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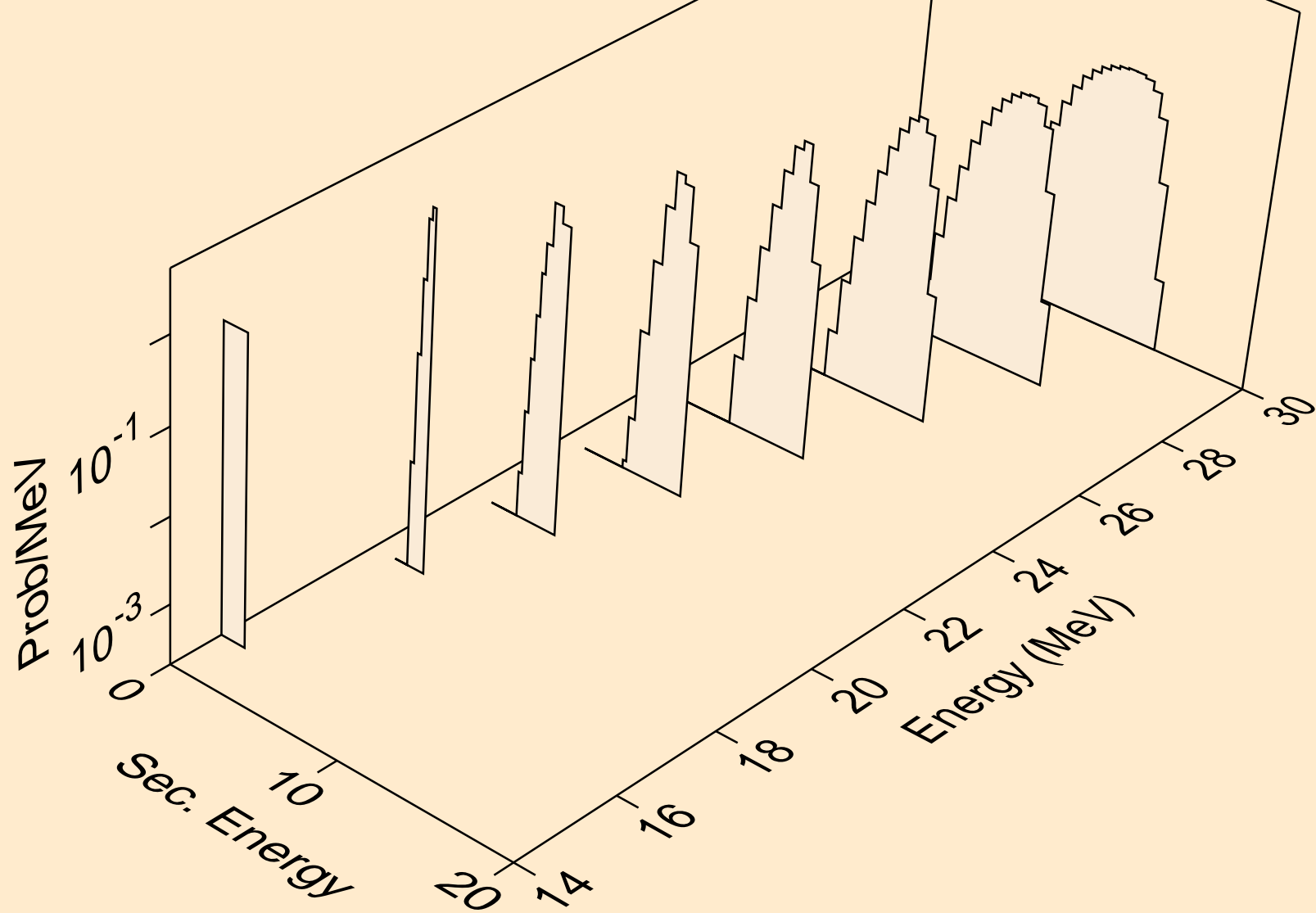
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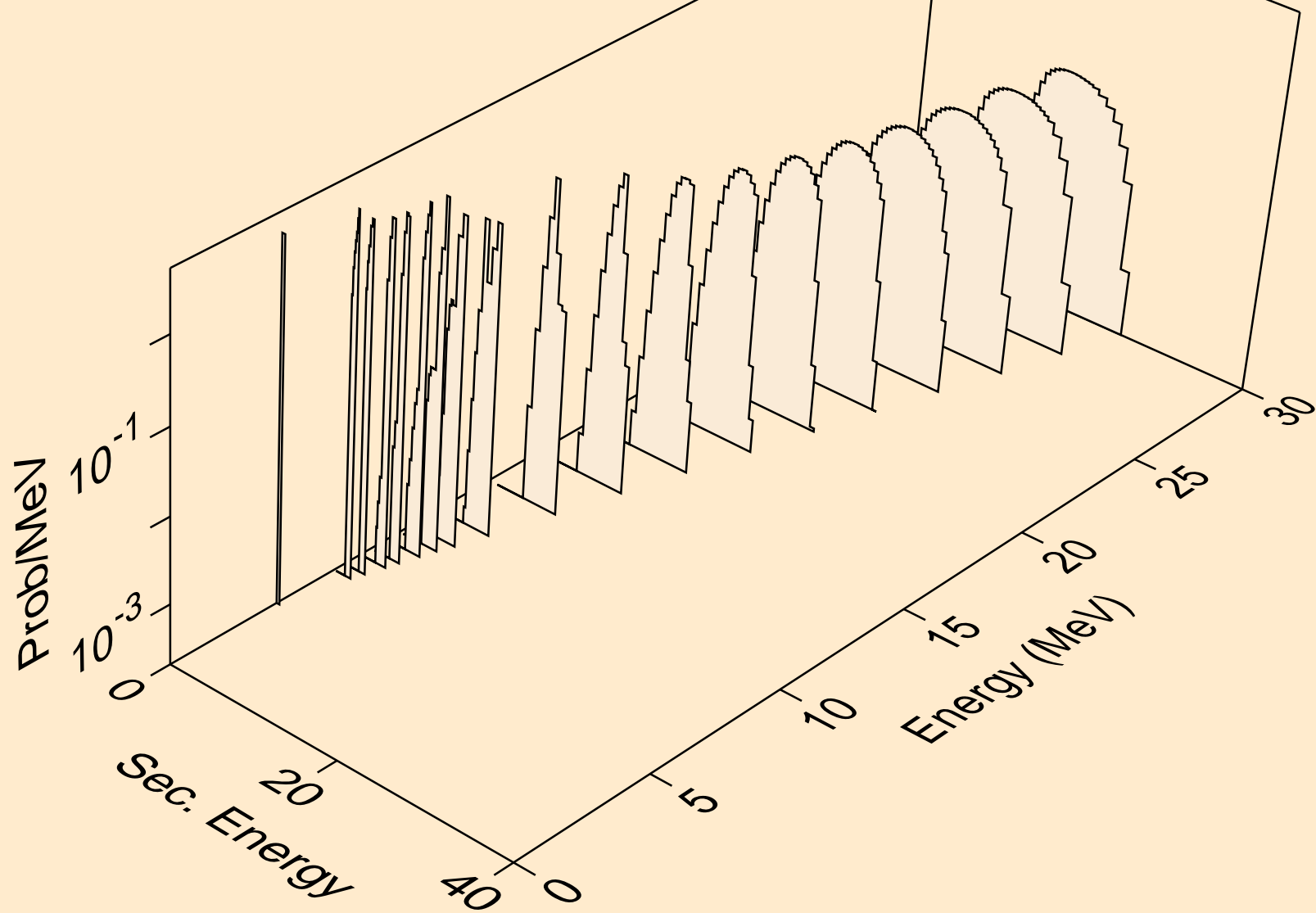
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tritons from (n,x)



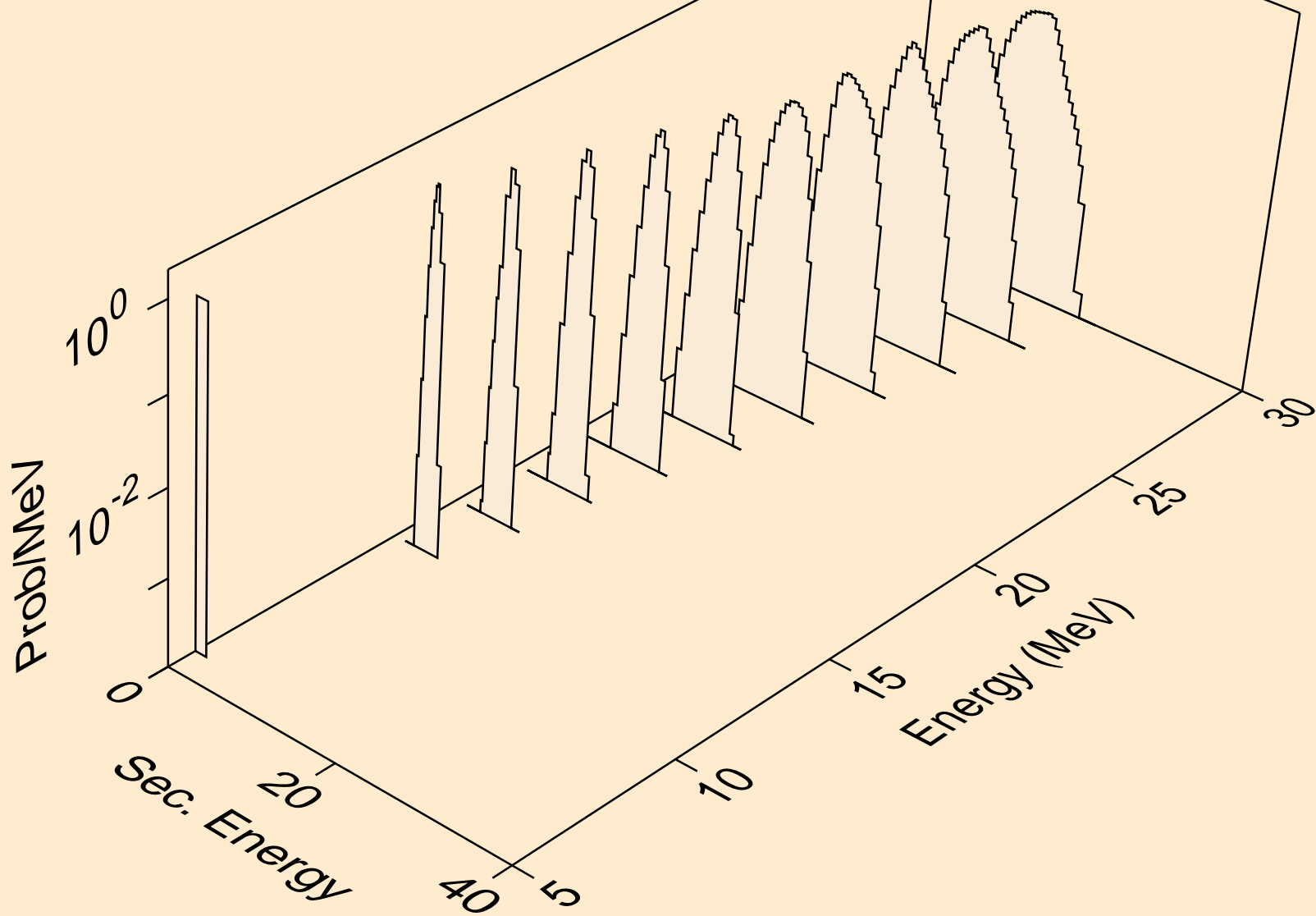
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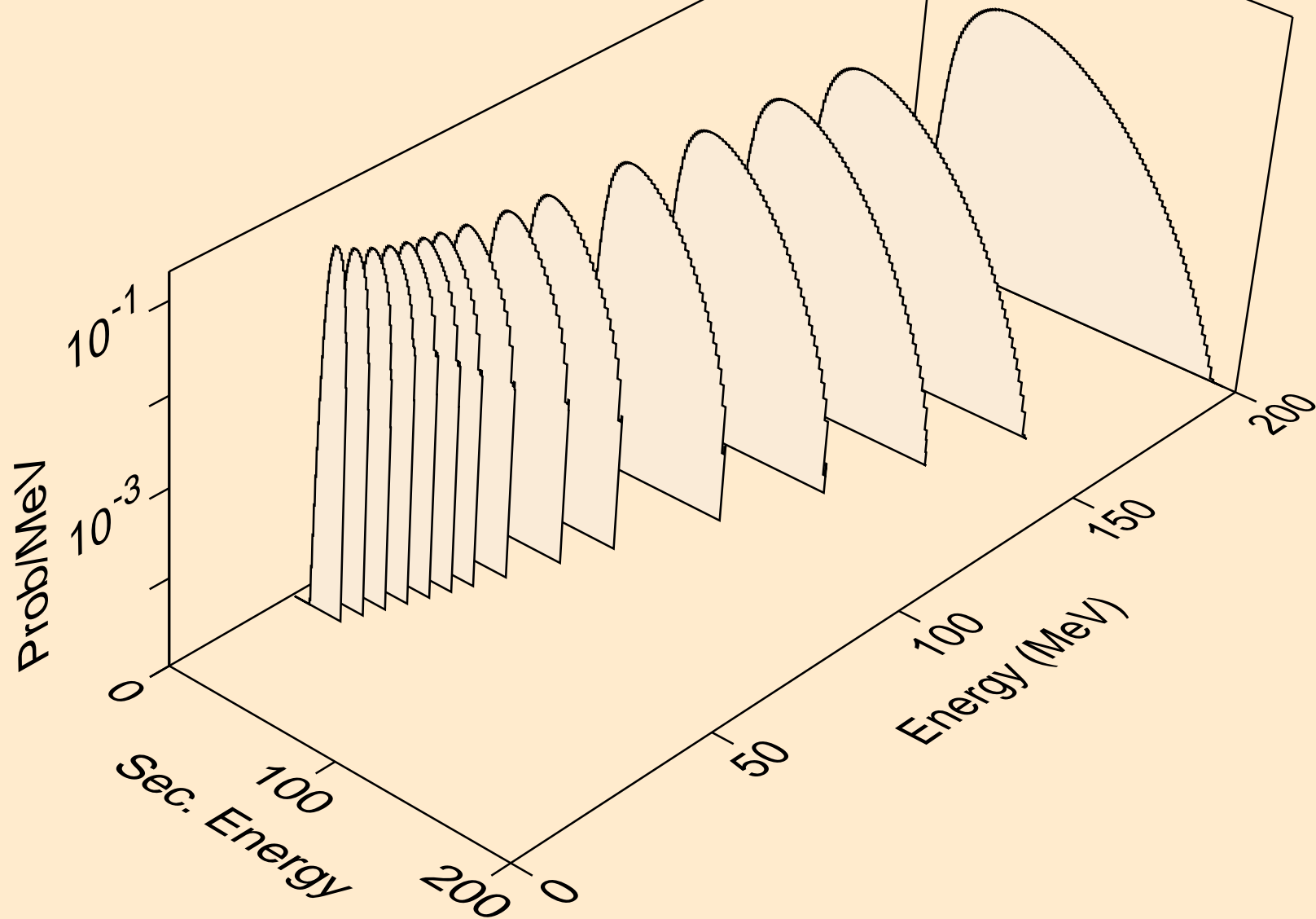
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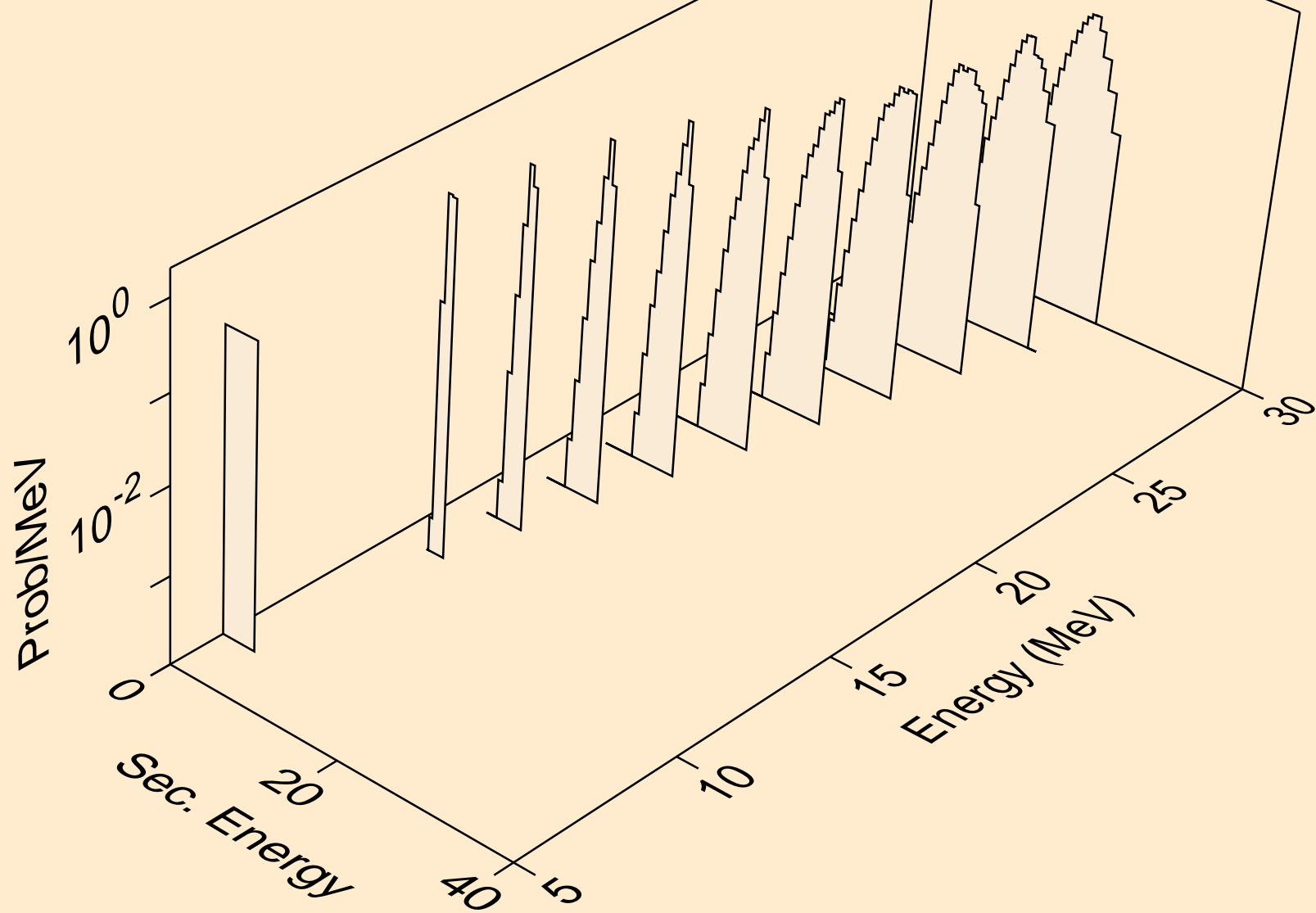
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tritons from (n,pt)



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he3s from (n,x)

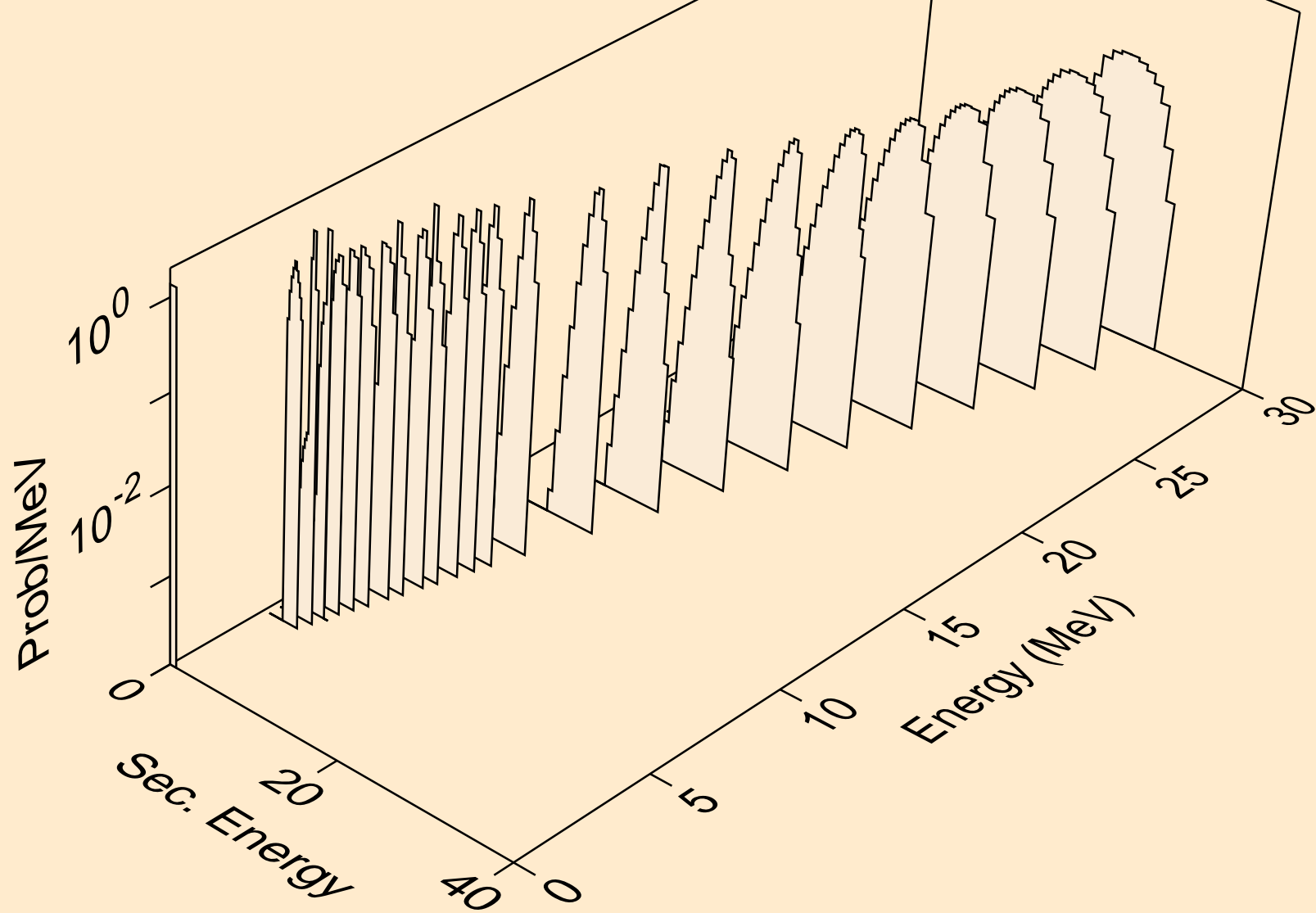


DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3

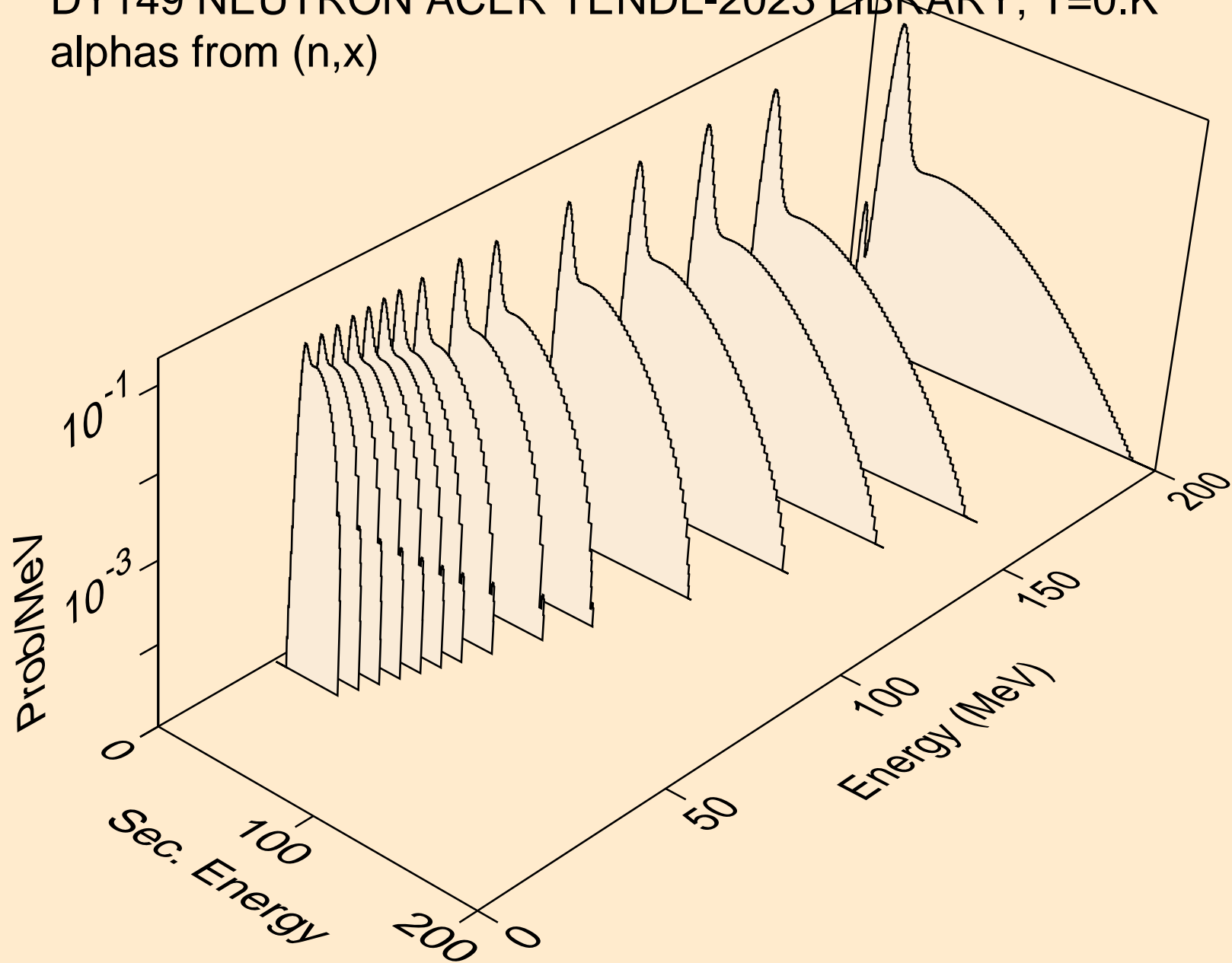




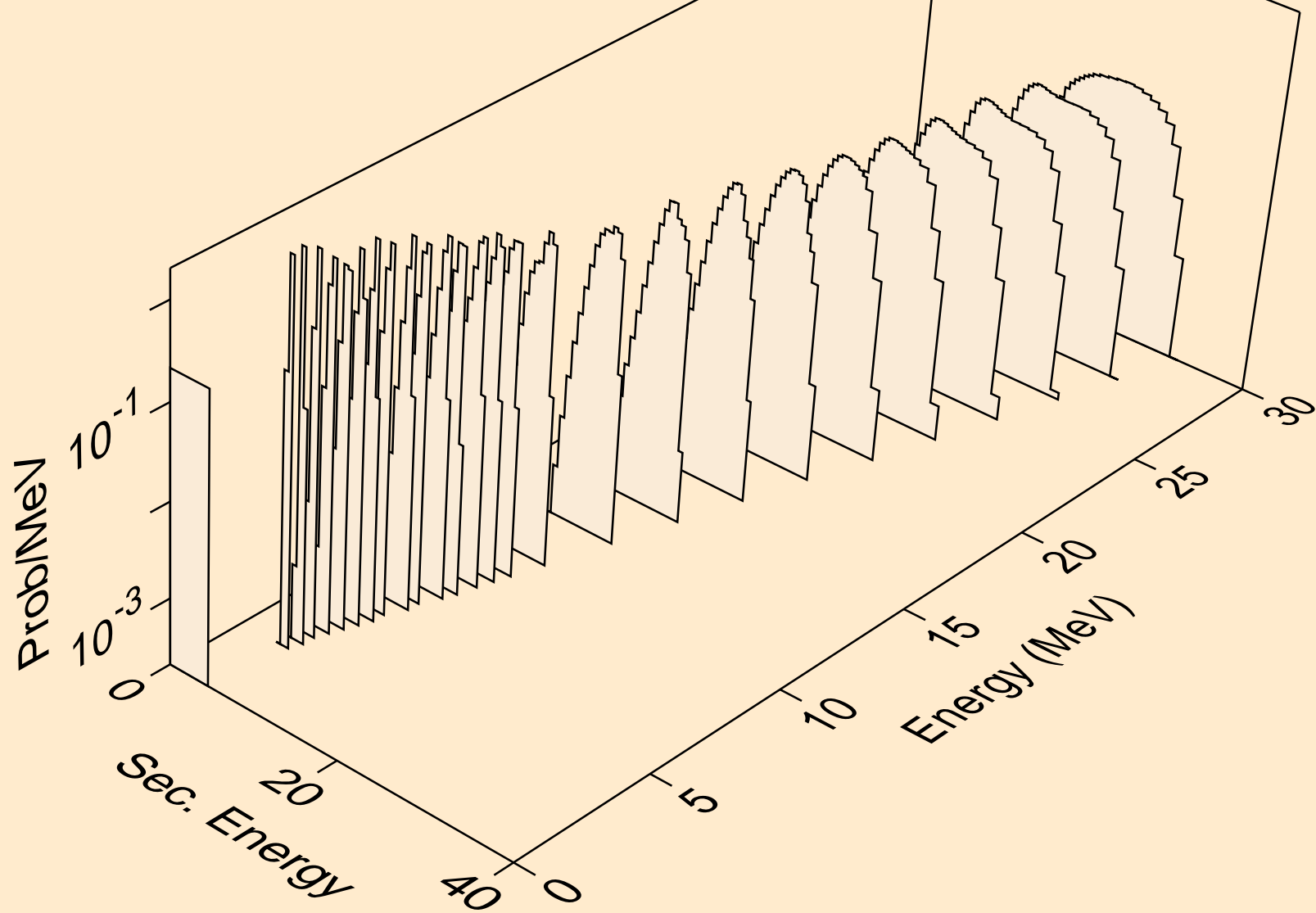
DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)



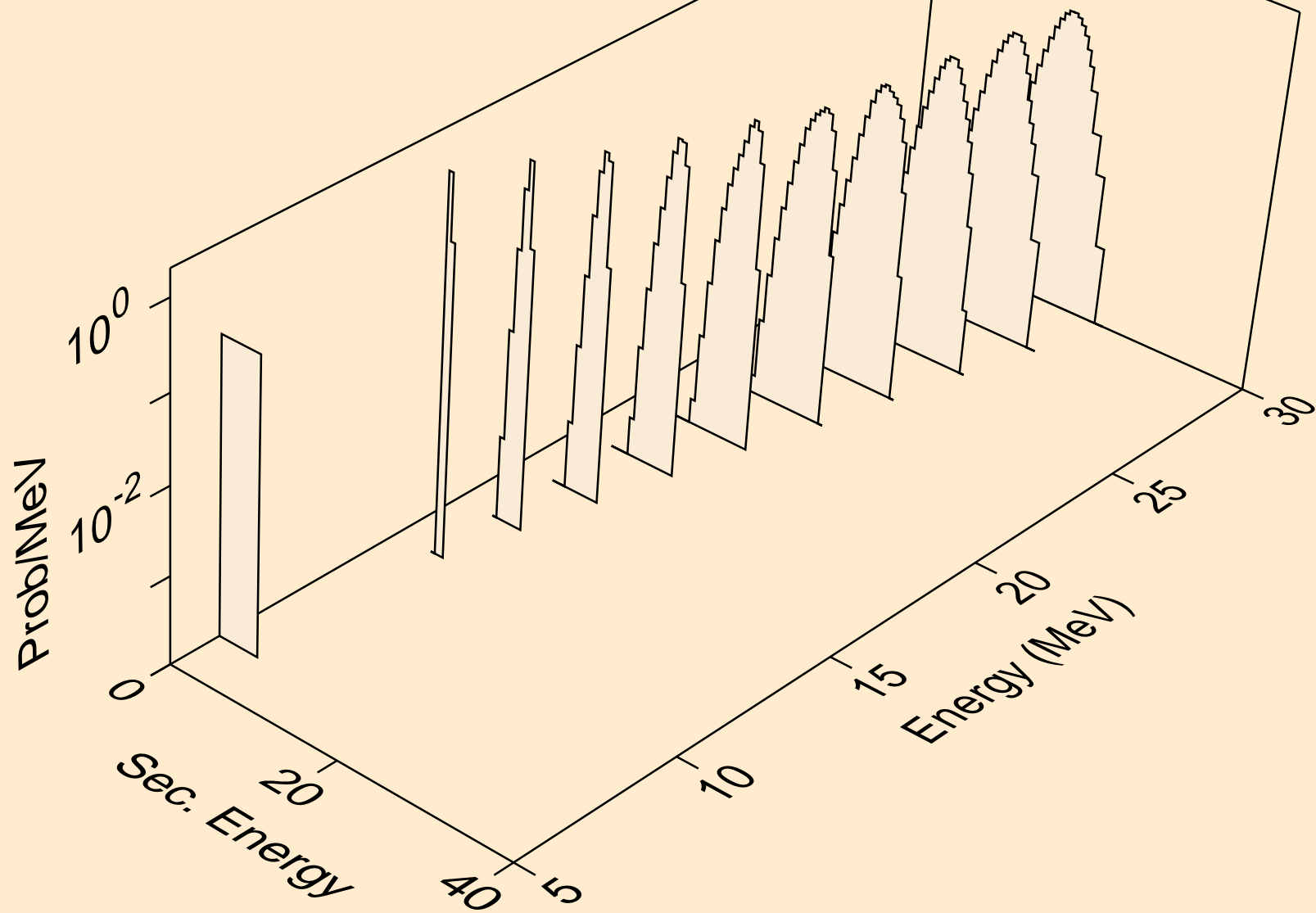
DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



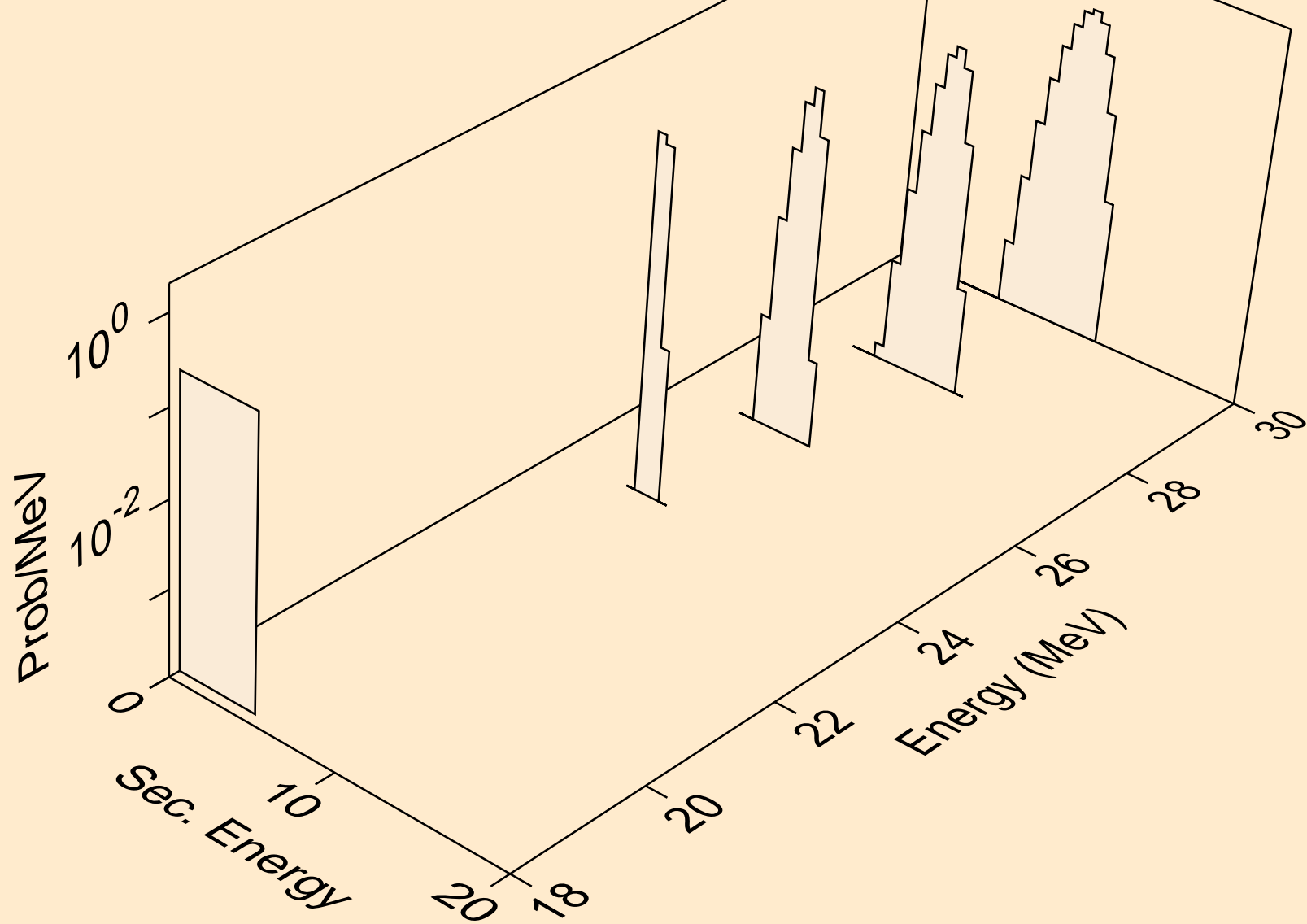
DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



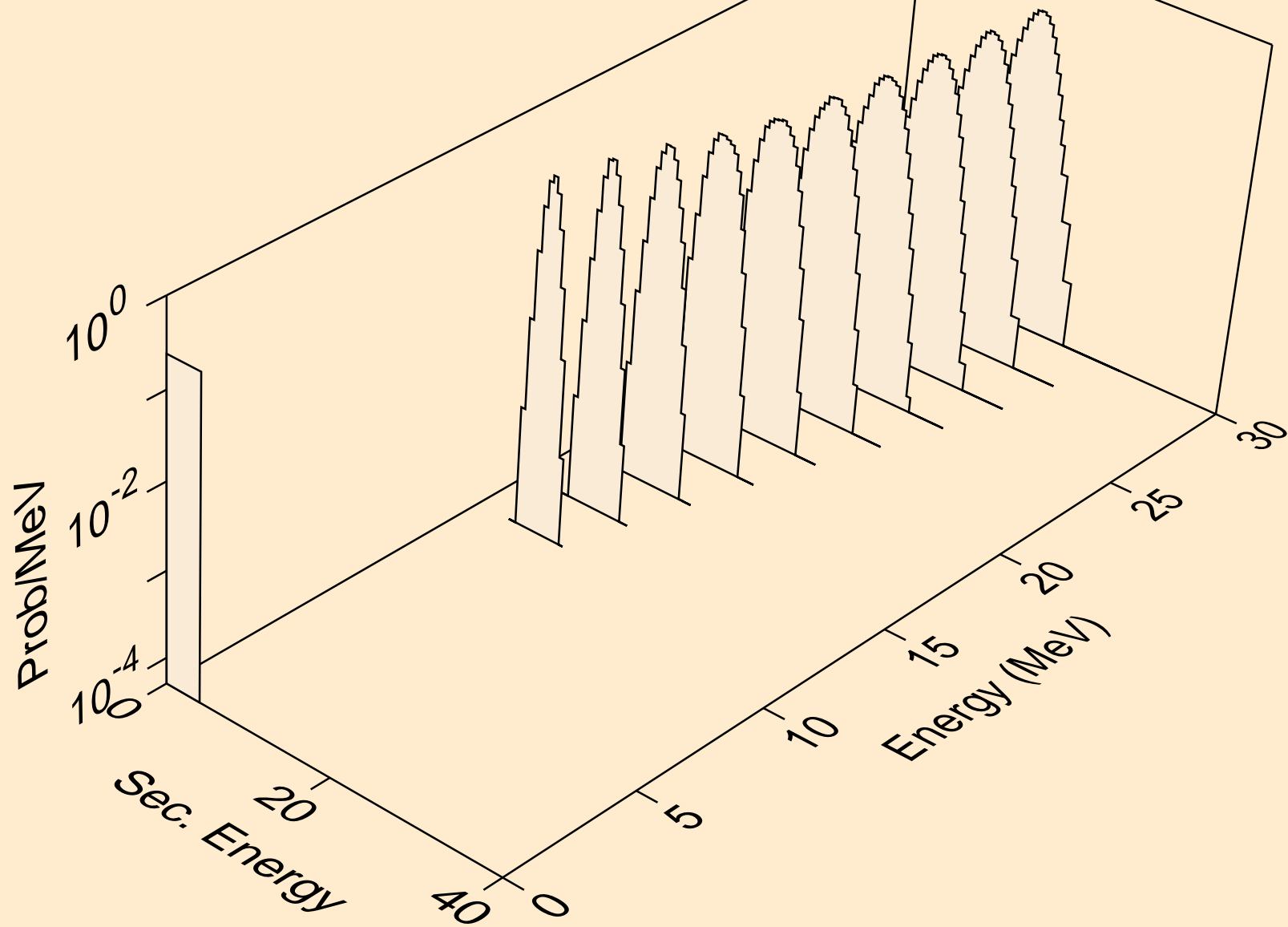
DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



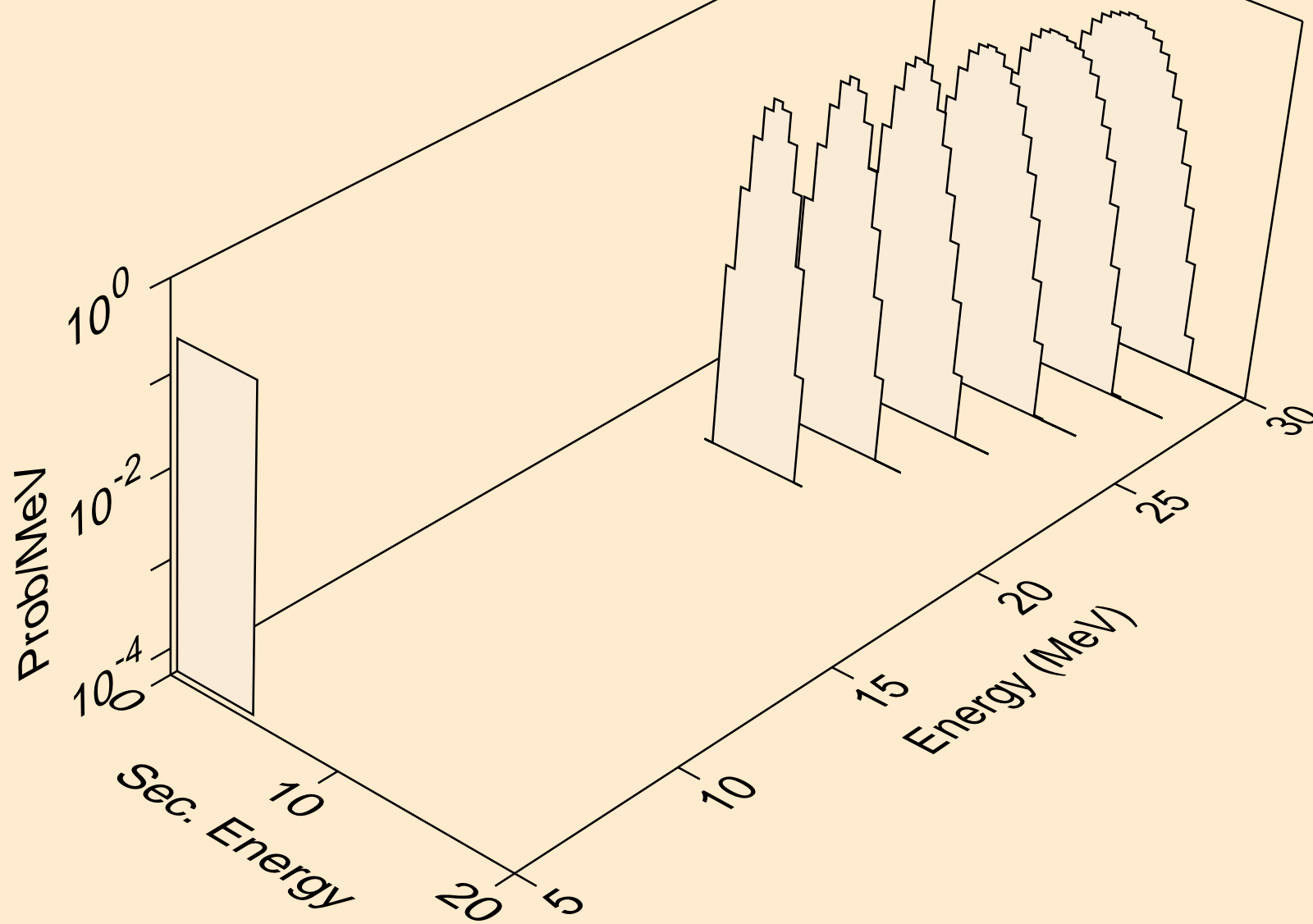
DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



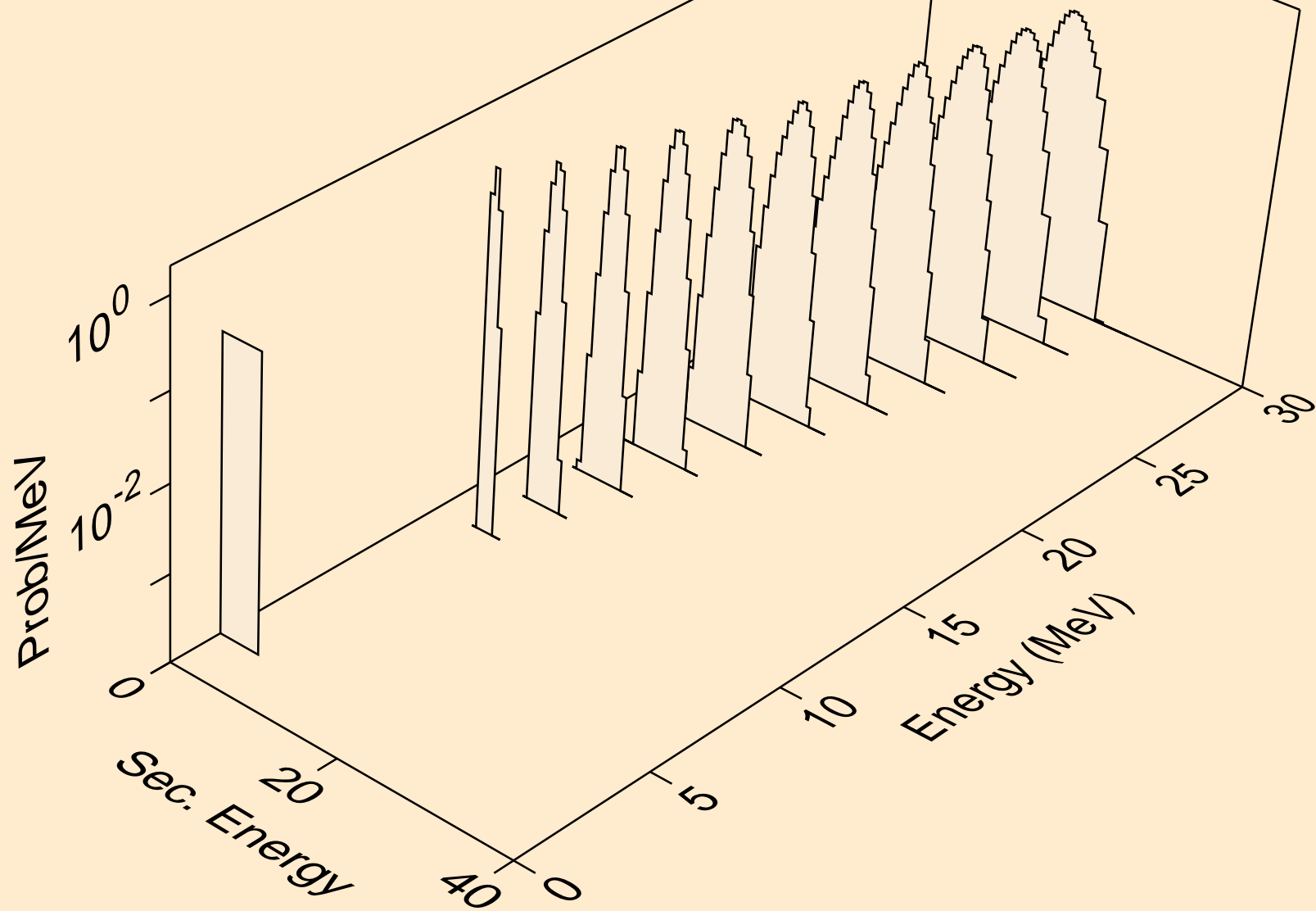
DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a



DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)2a

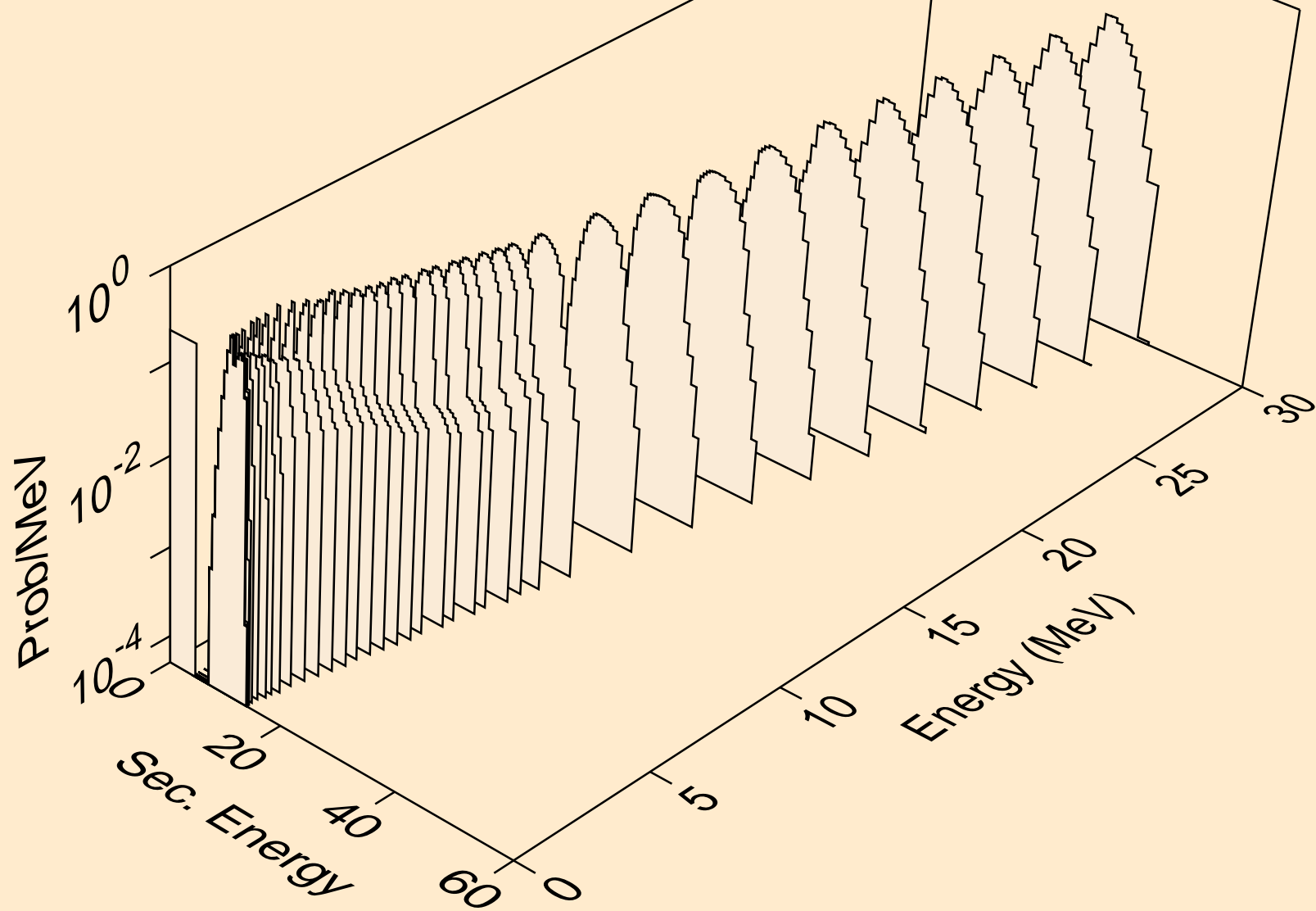


DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)

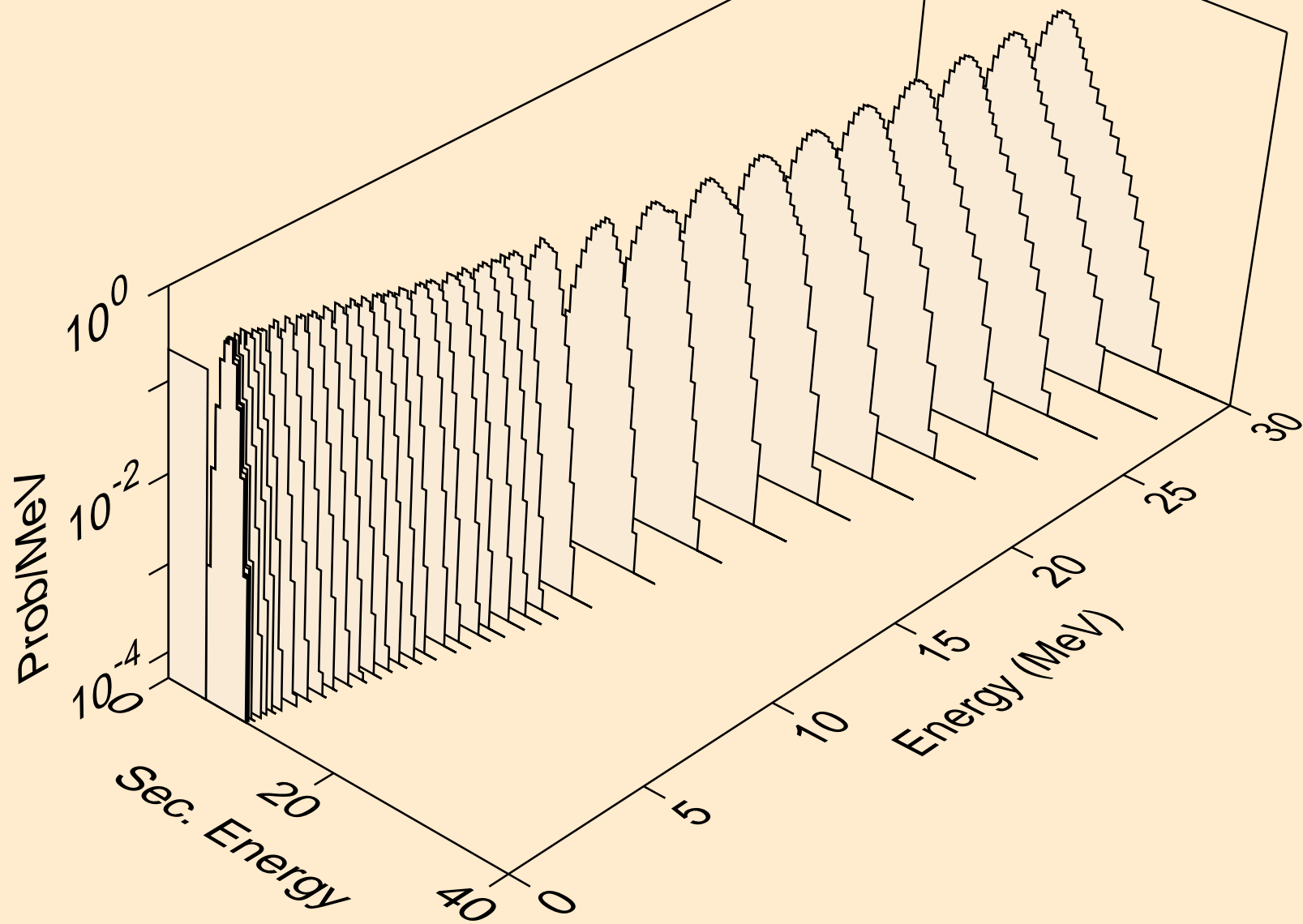




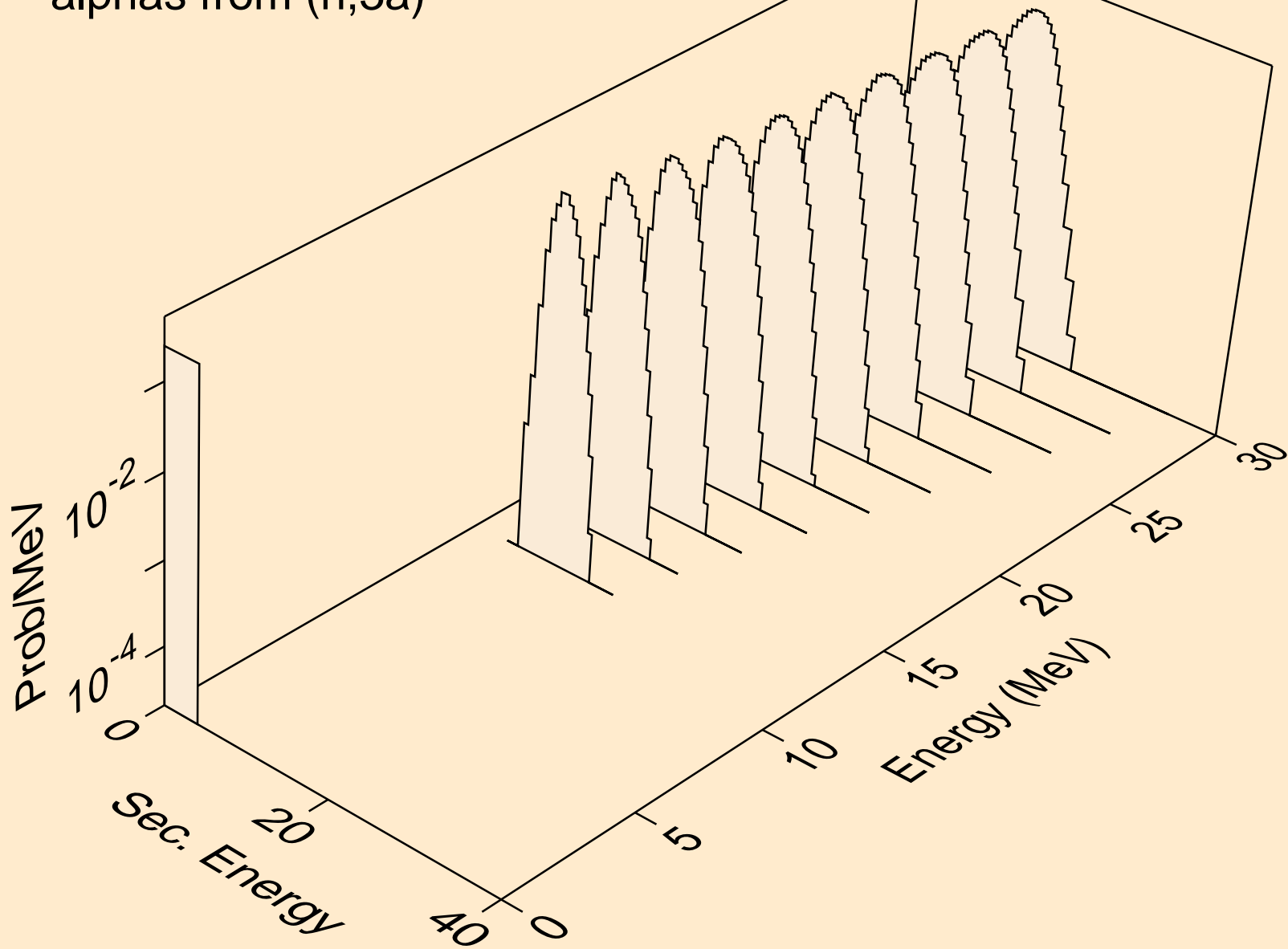
DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



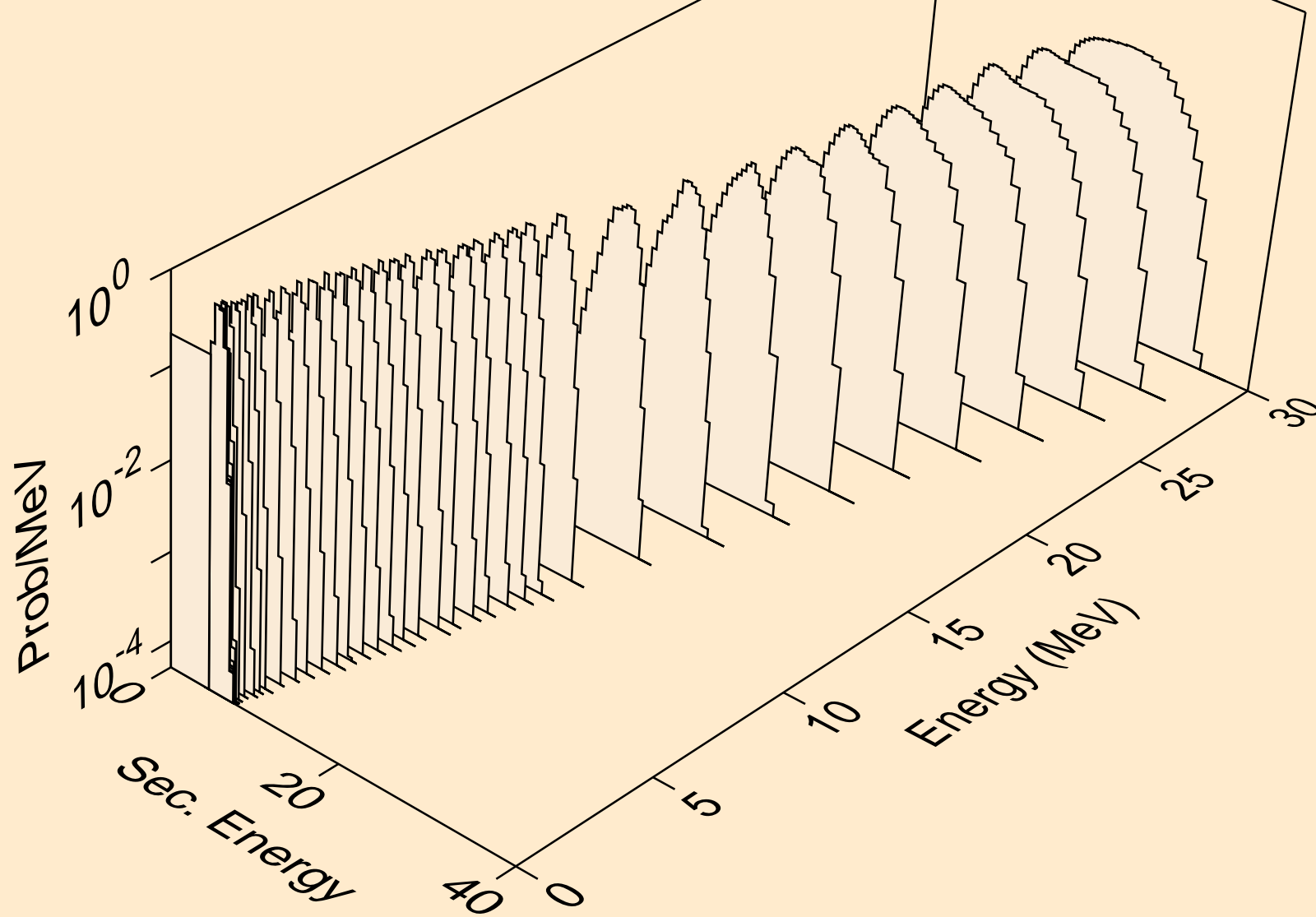
DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3a)



DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



DY149 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

