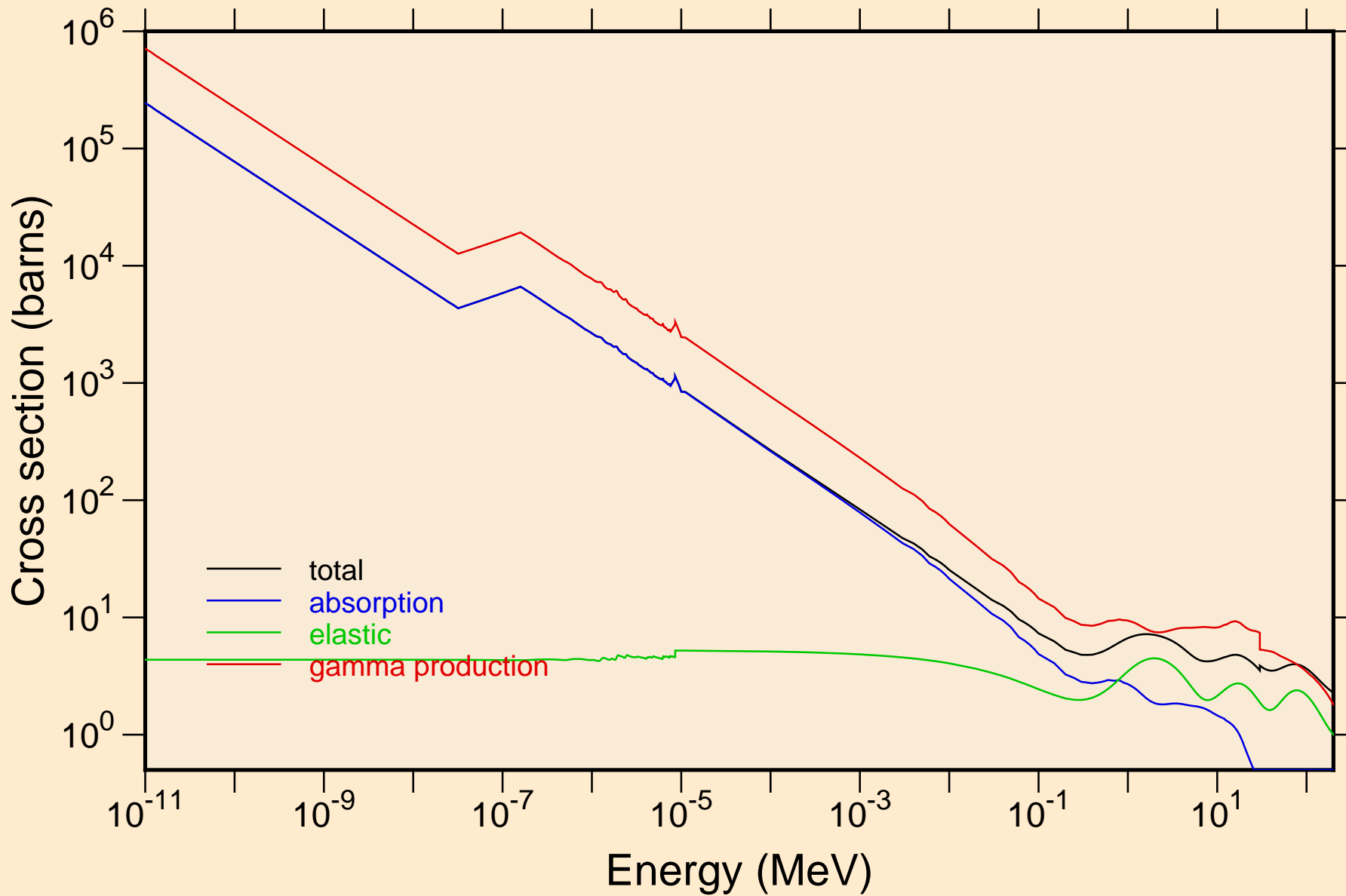
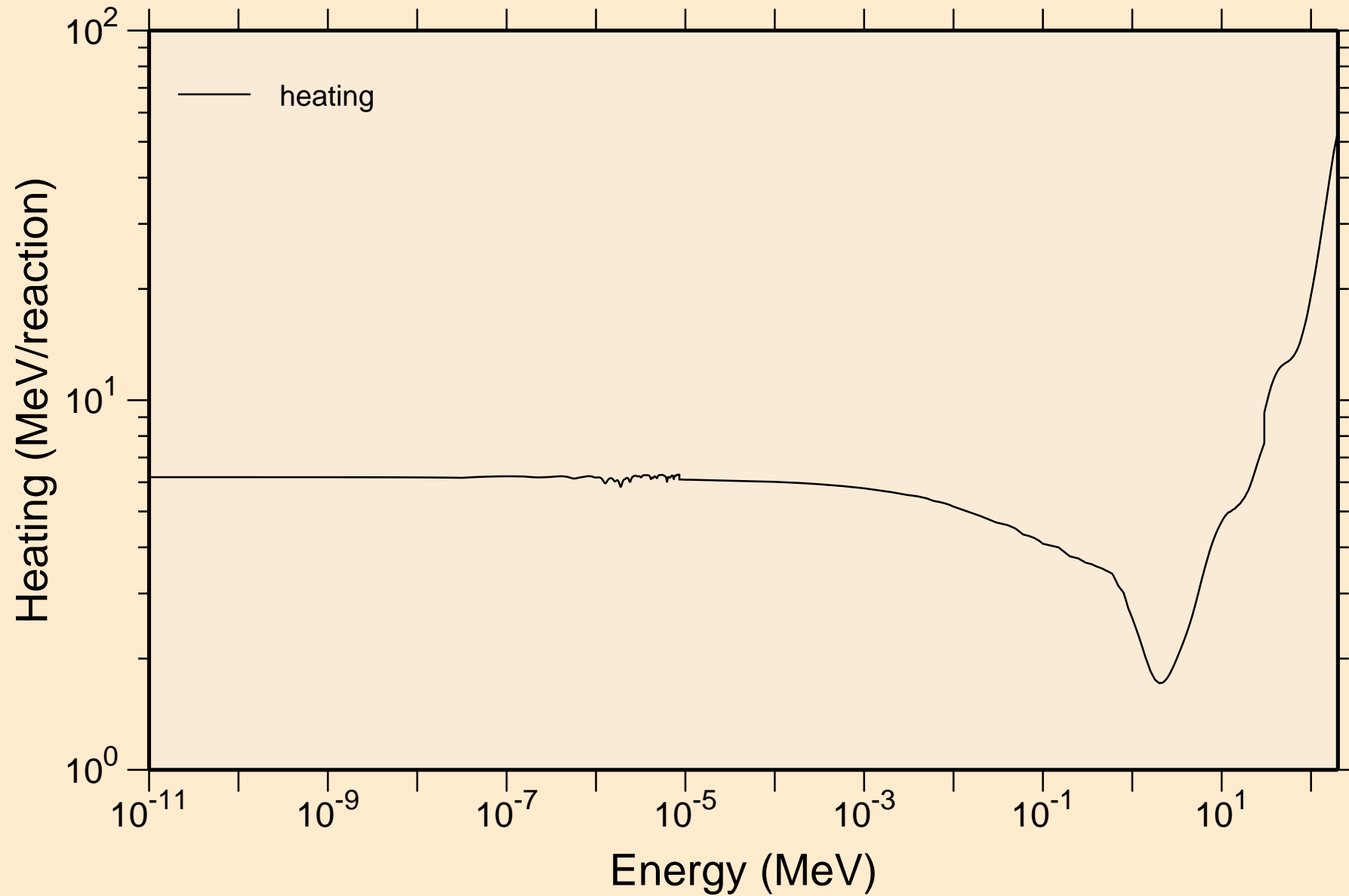


TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections

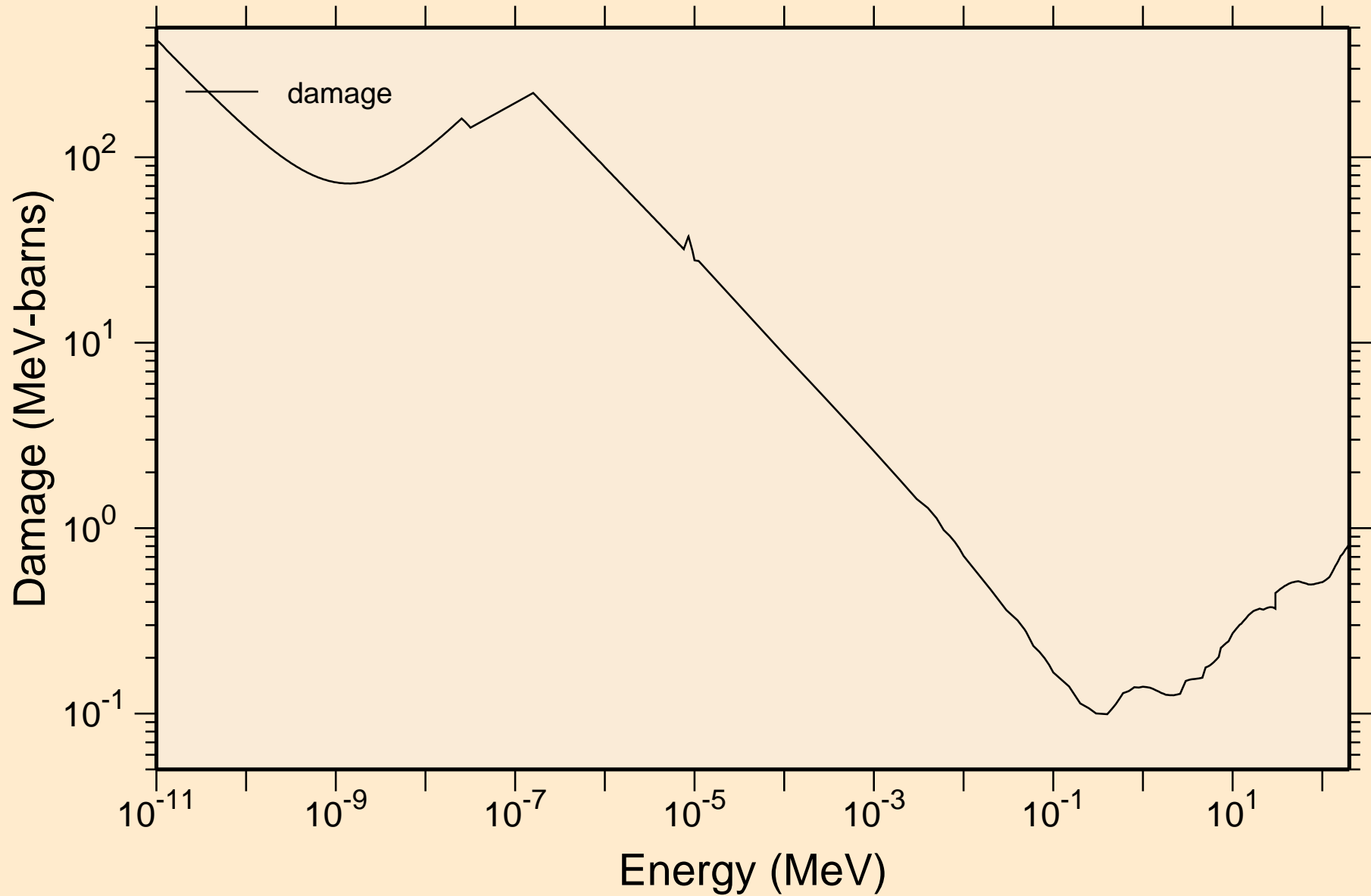


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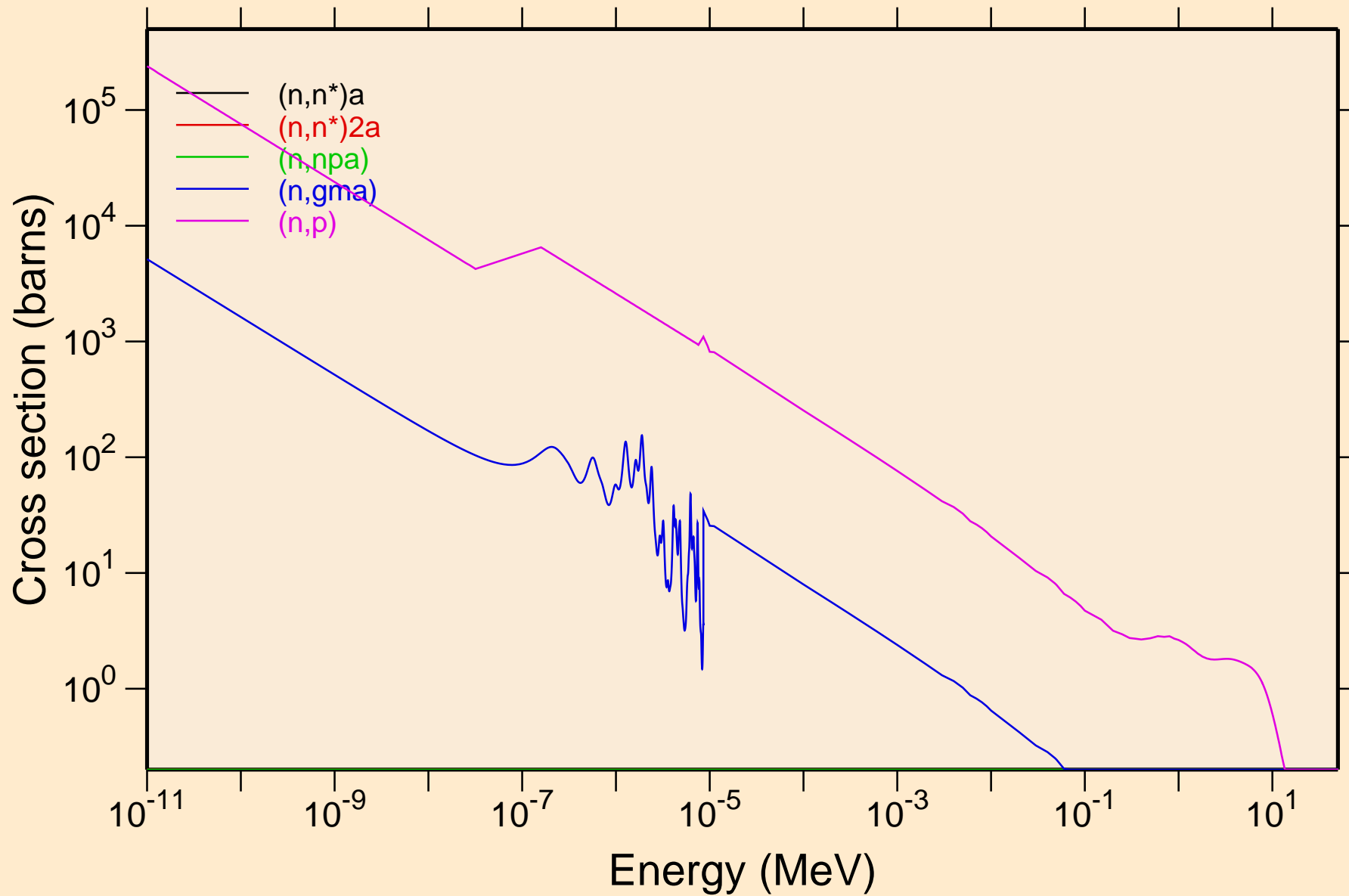
## Heating



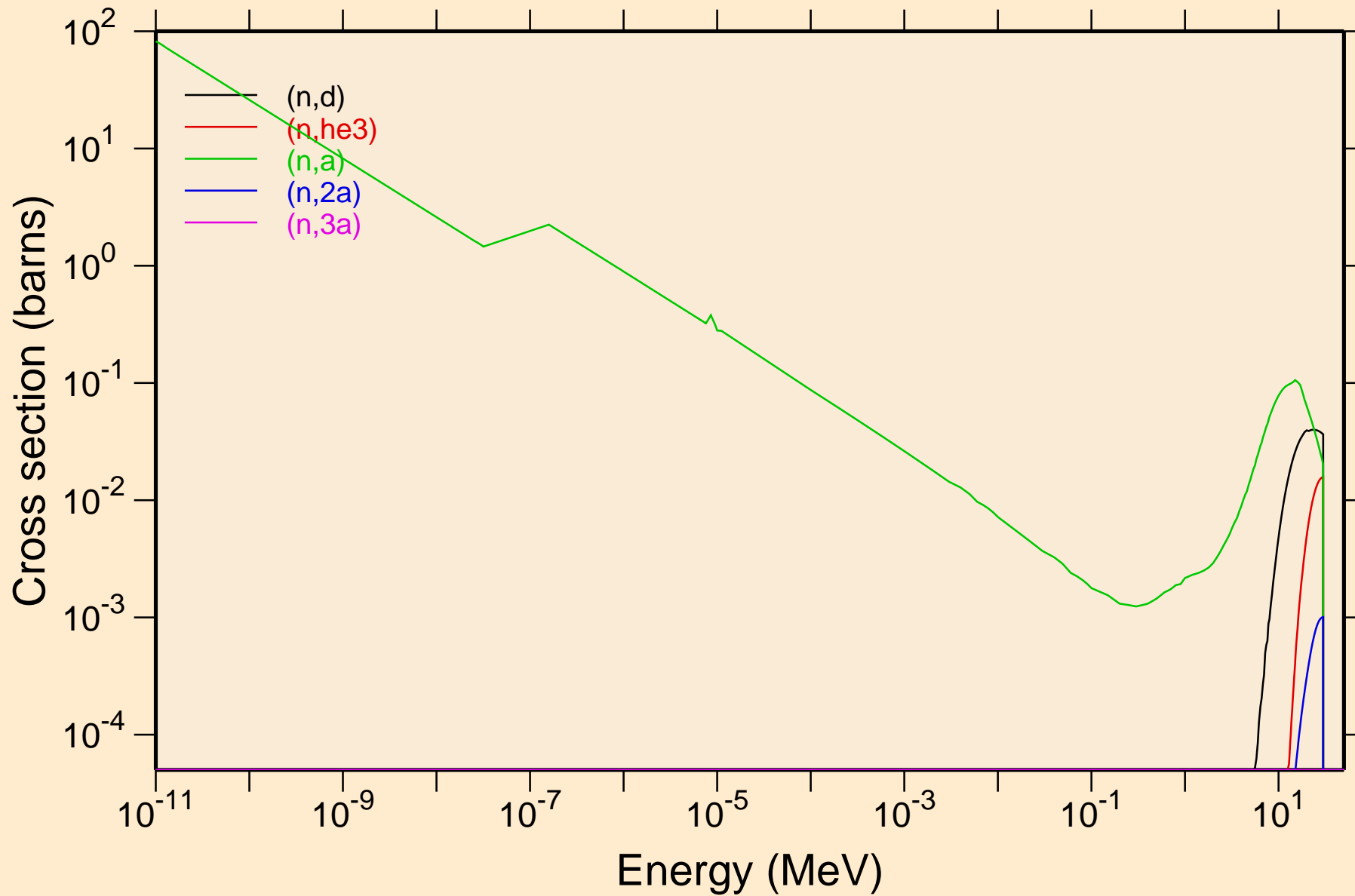
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Damage



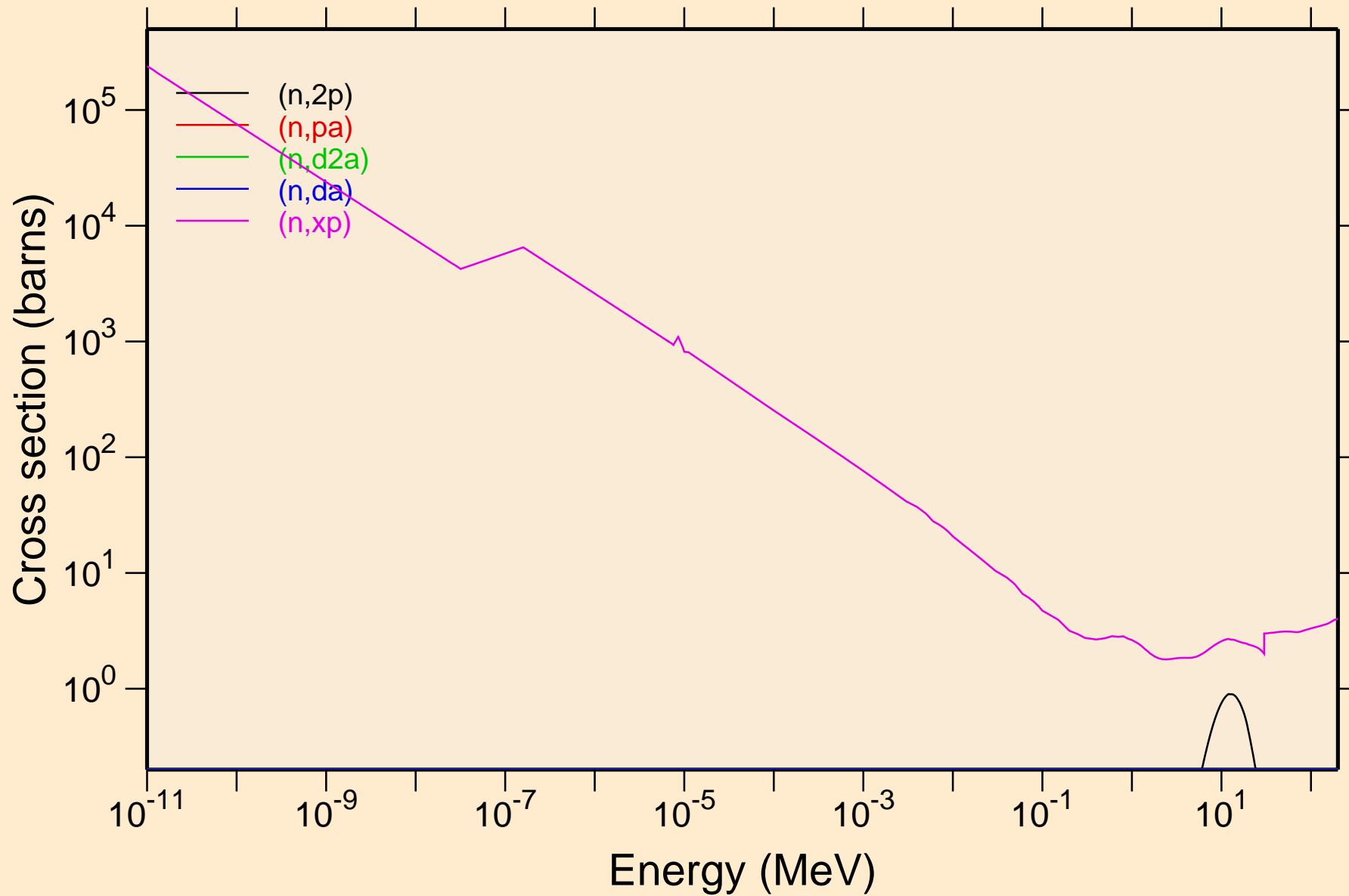
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Non-threshold reactions



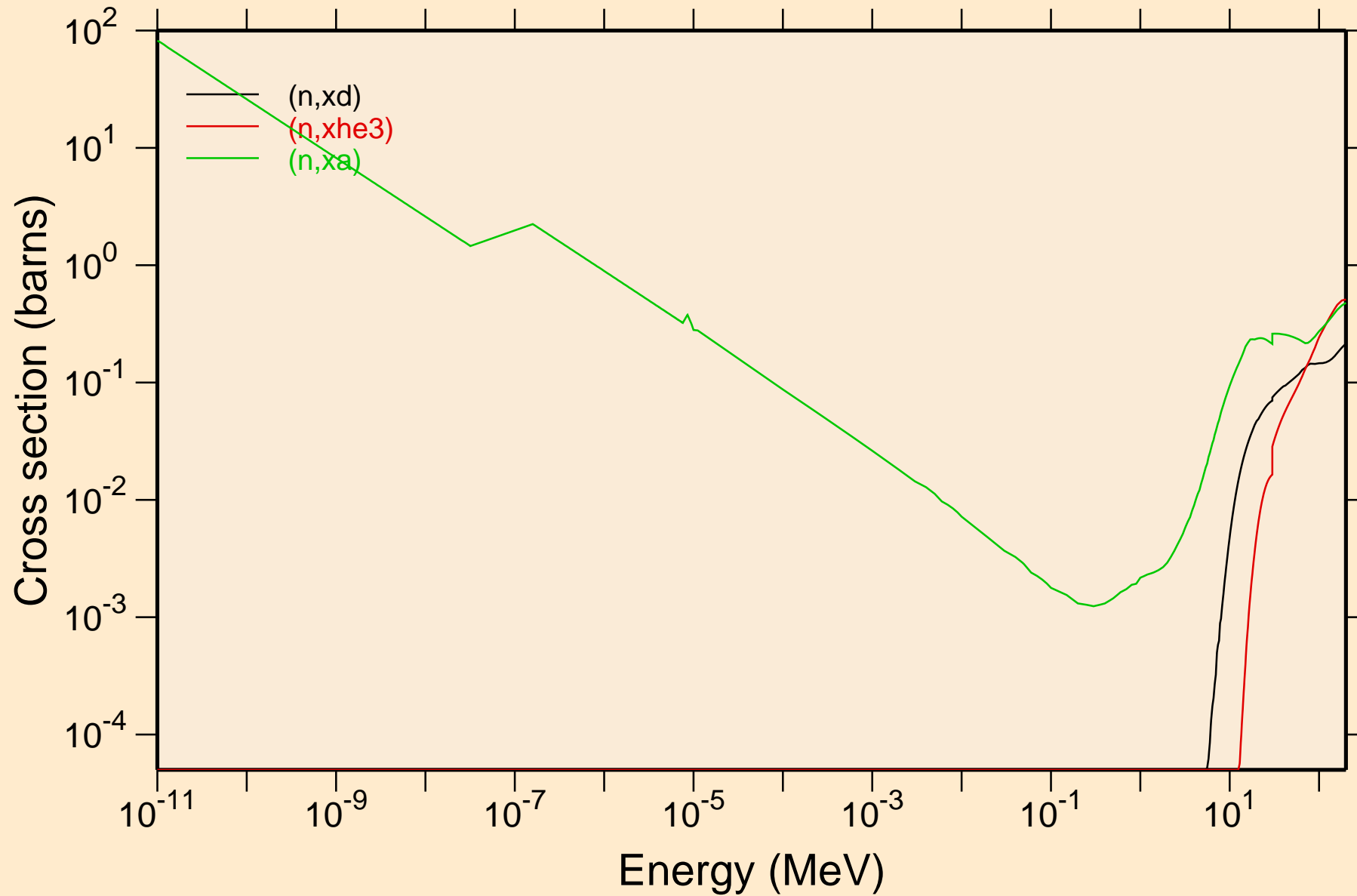
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Non-threshold reactions



TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

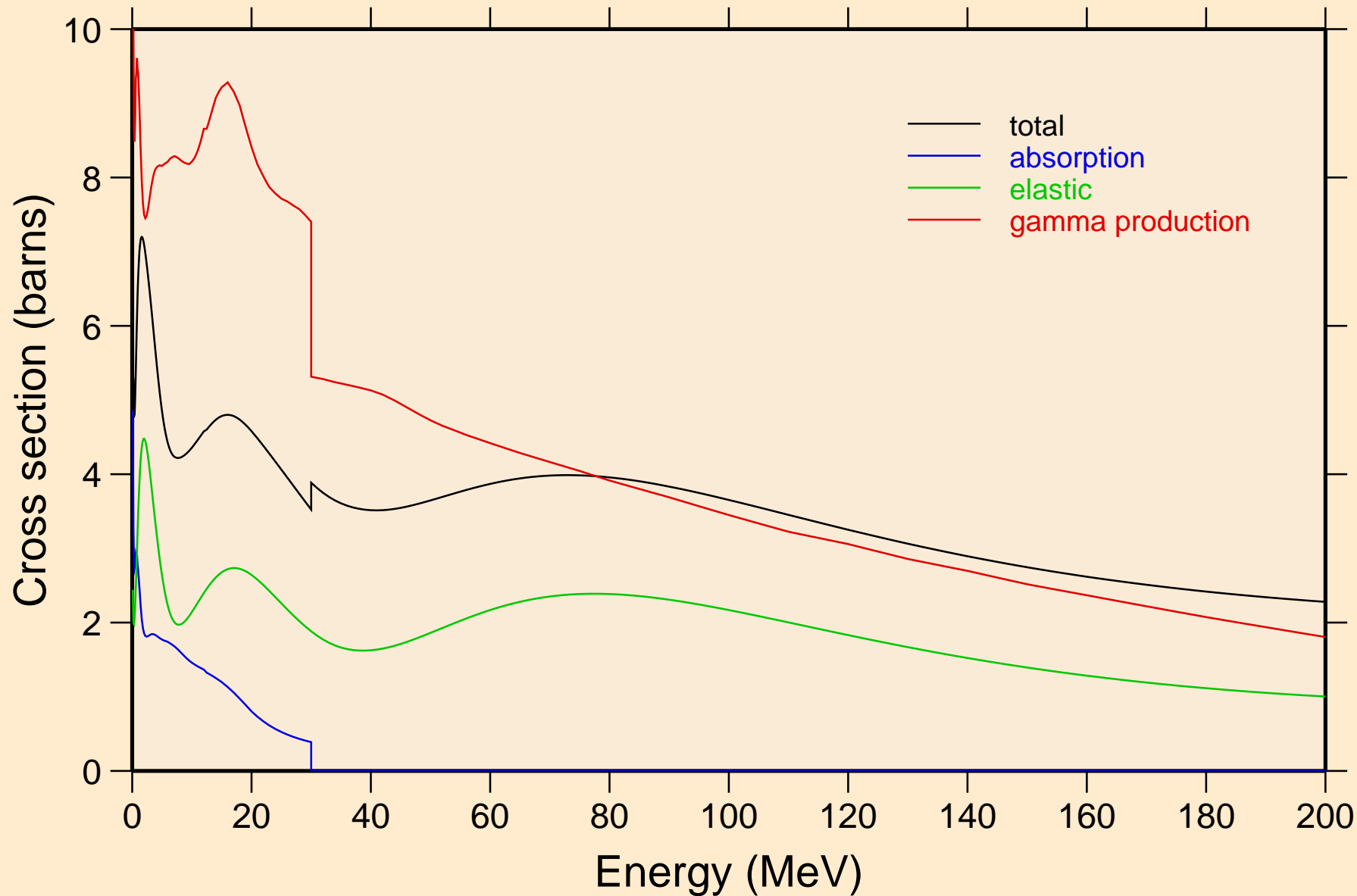


TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



# TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

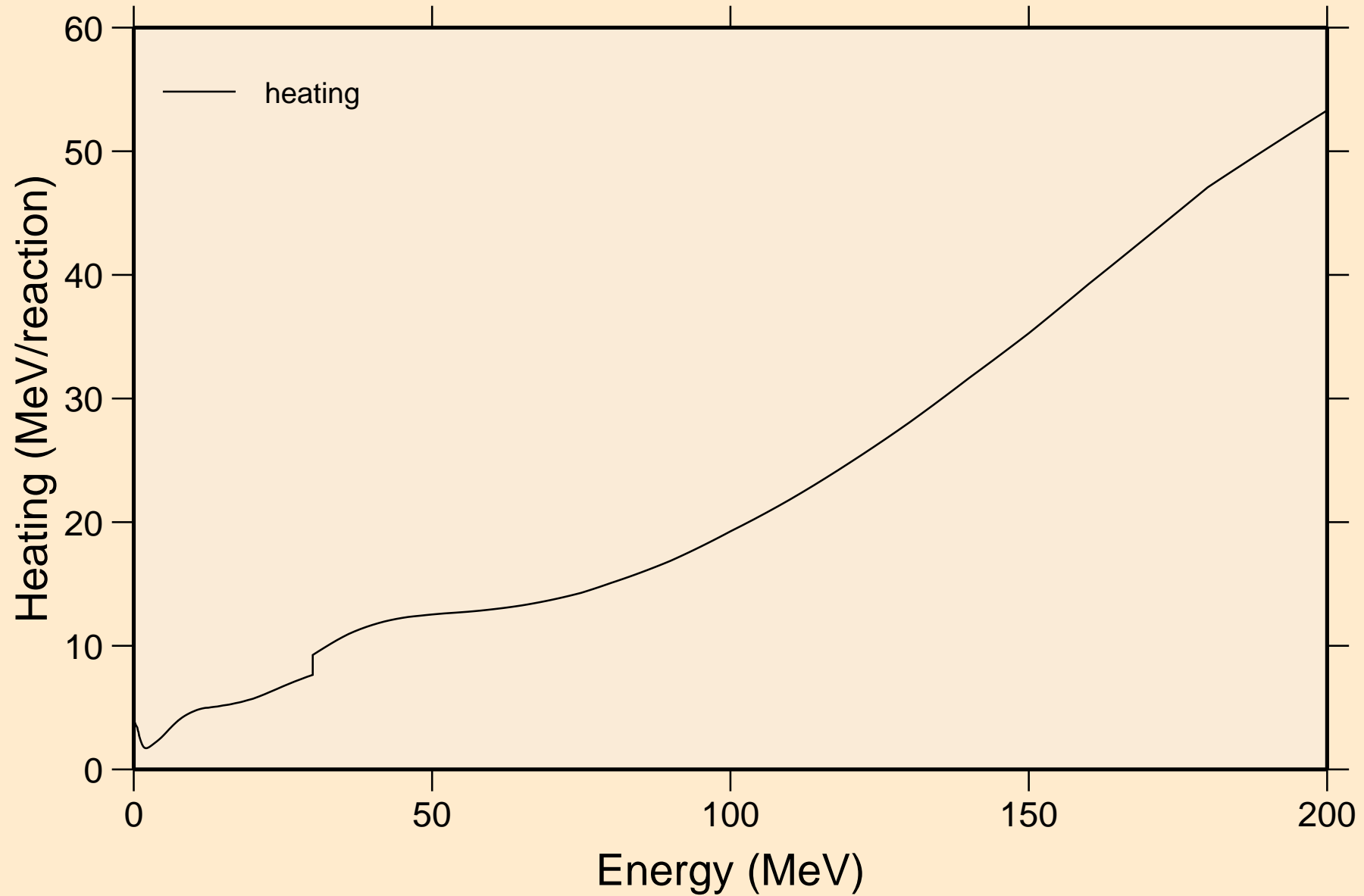
## Principal cross sections



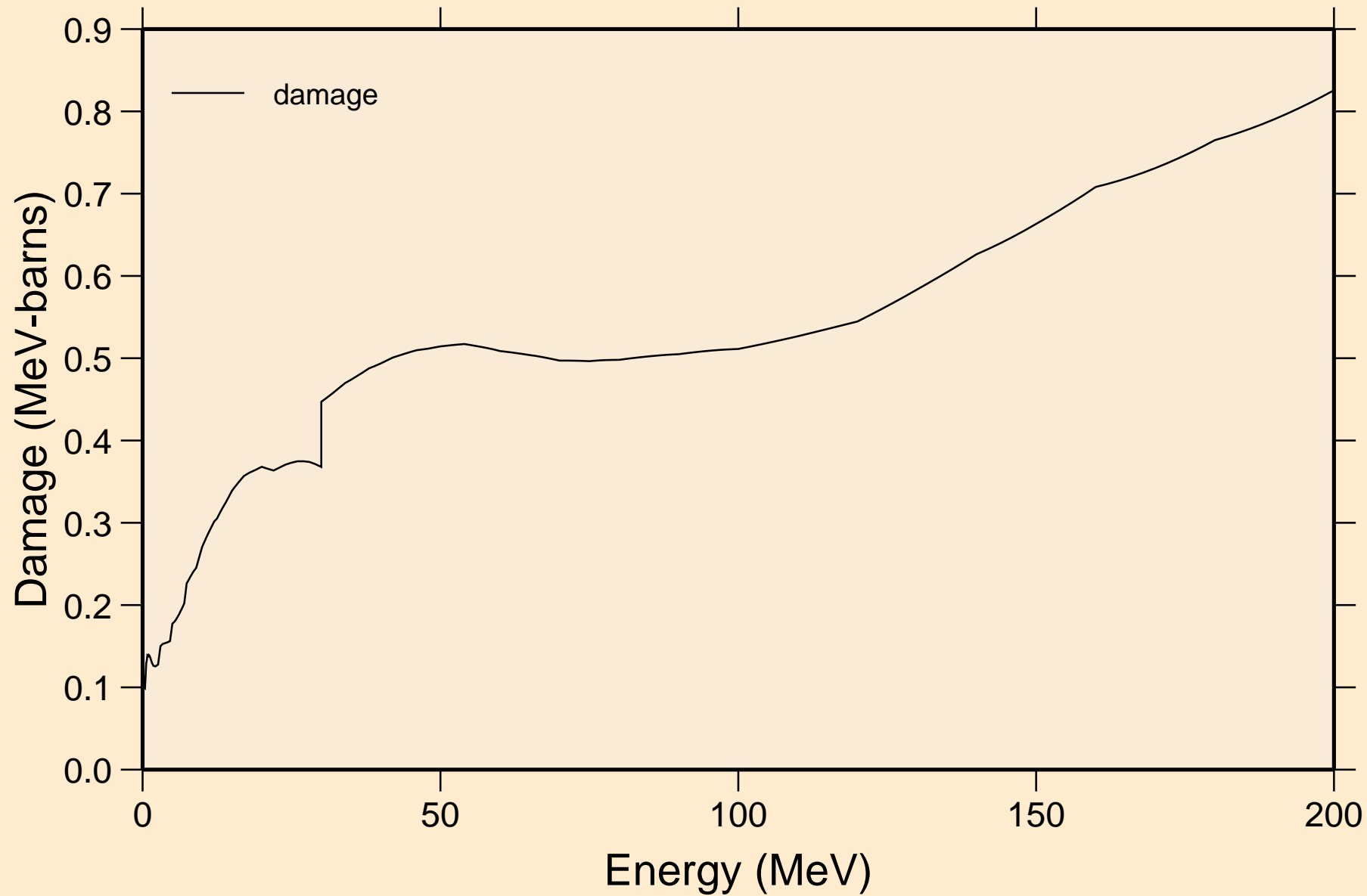


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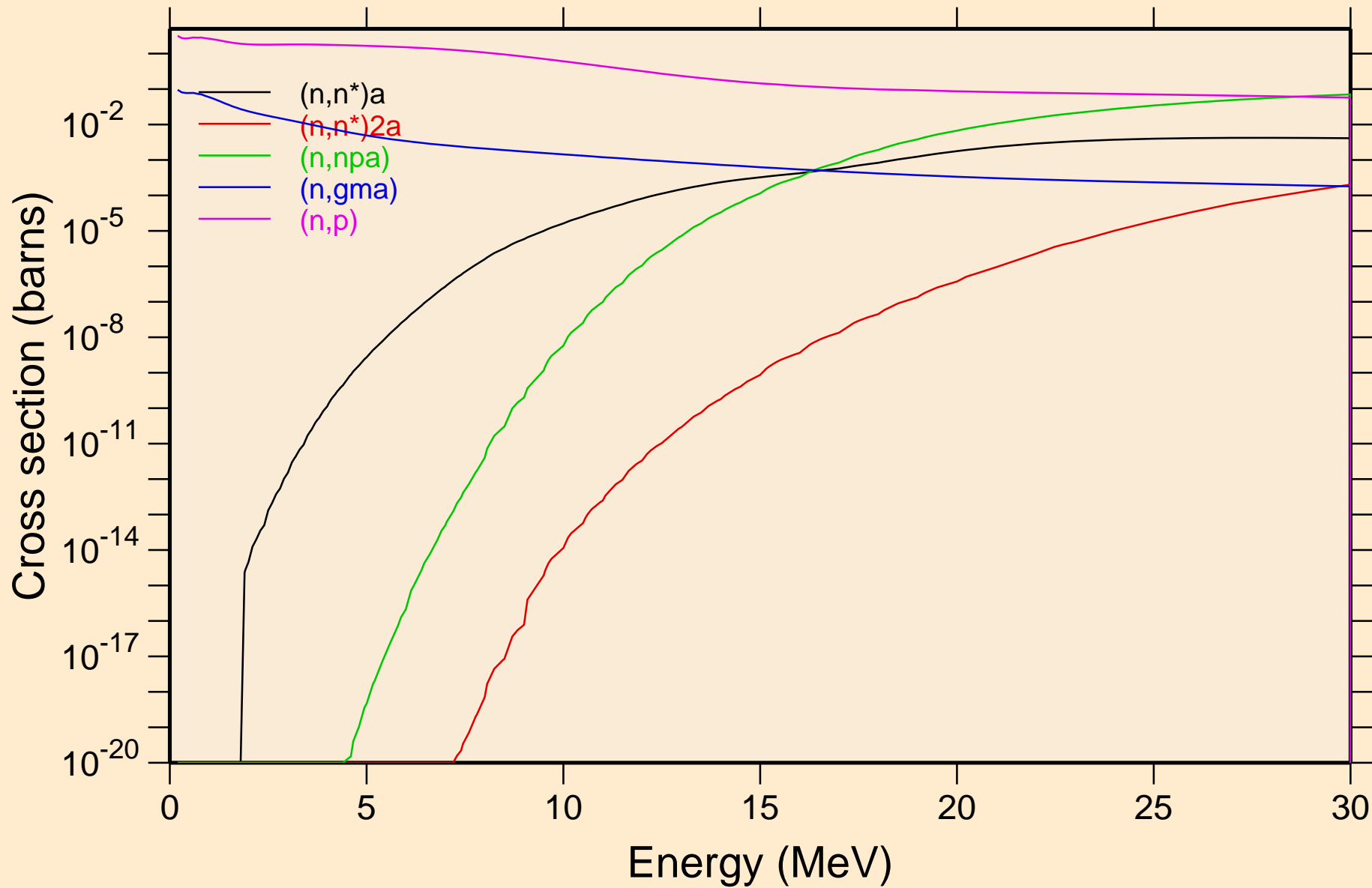
## Heating



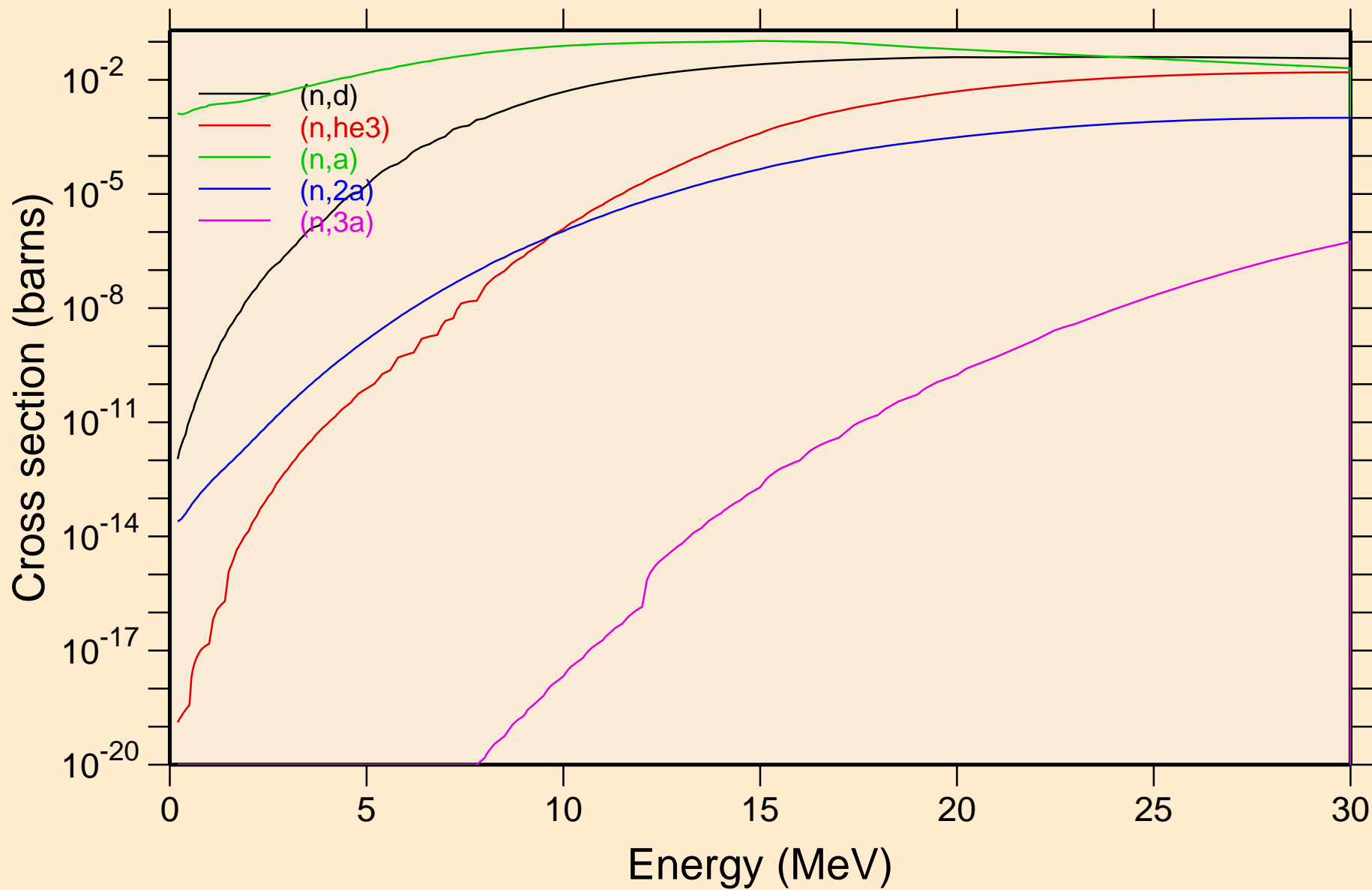
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Damage



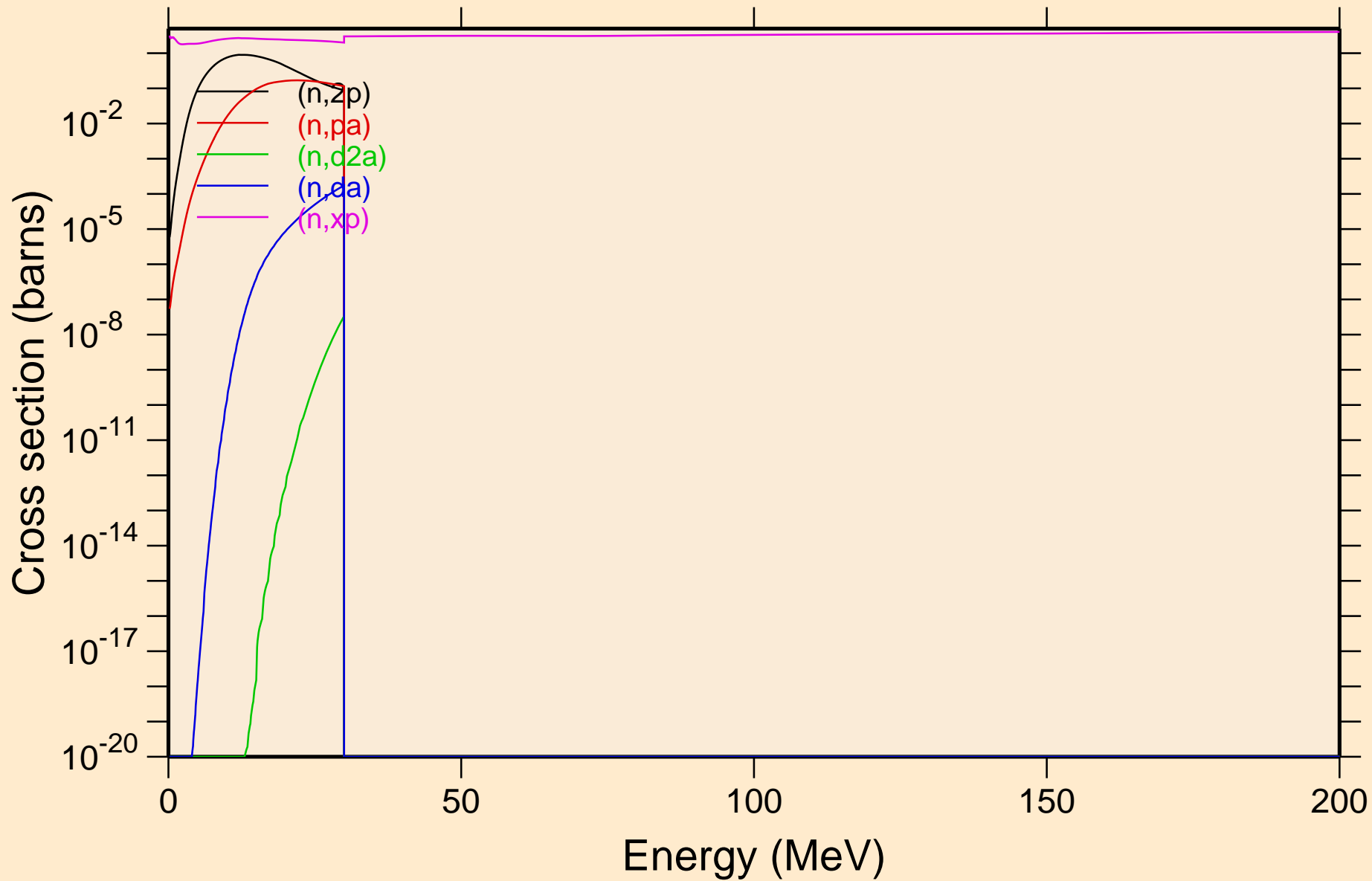
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Non-threshold reactions



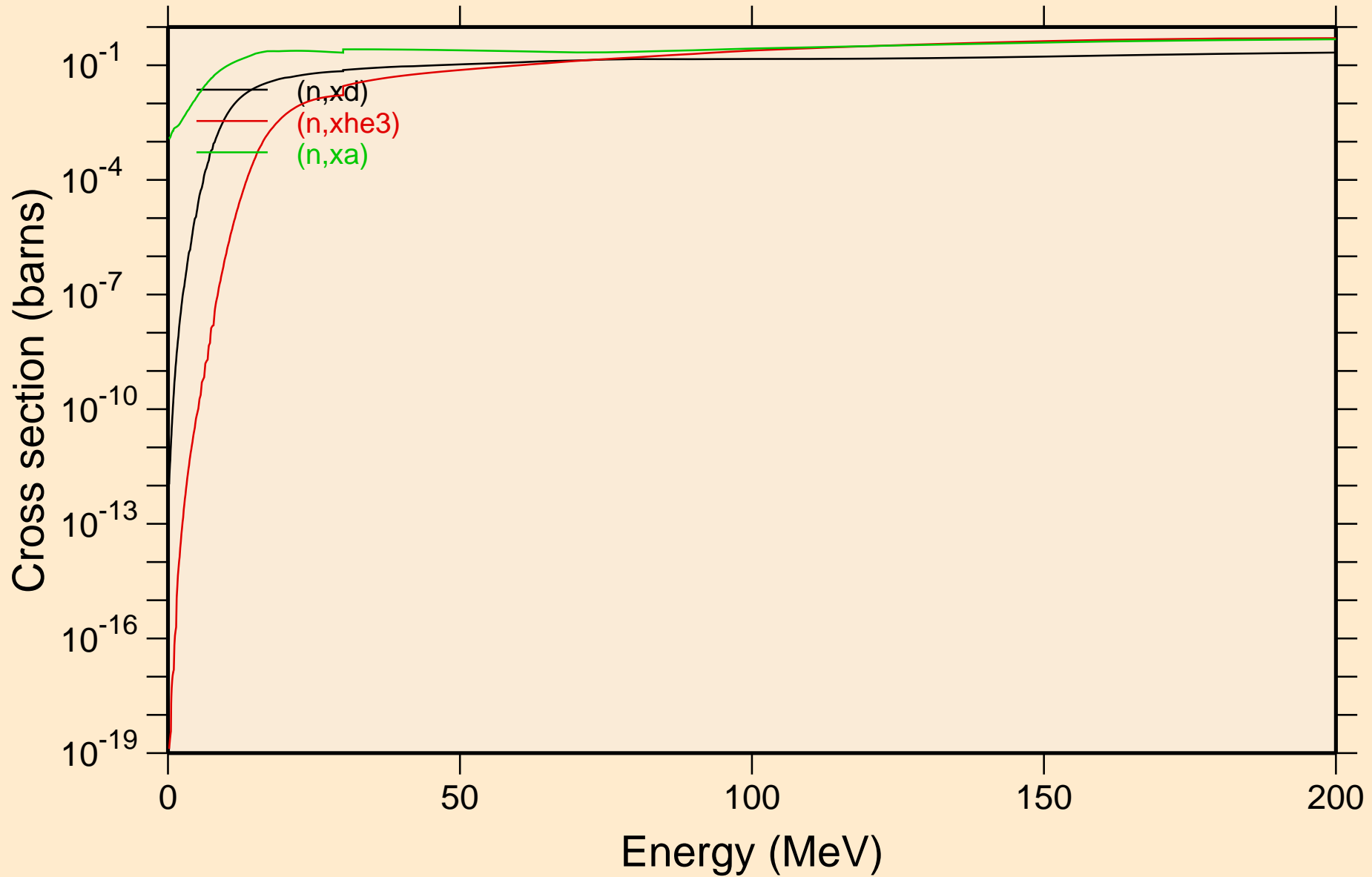
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Non-threshold reactions



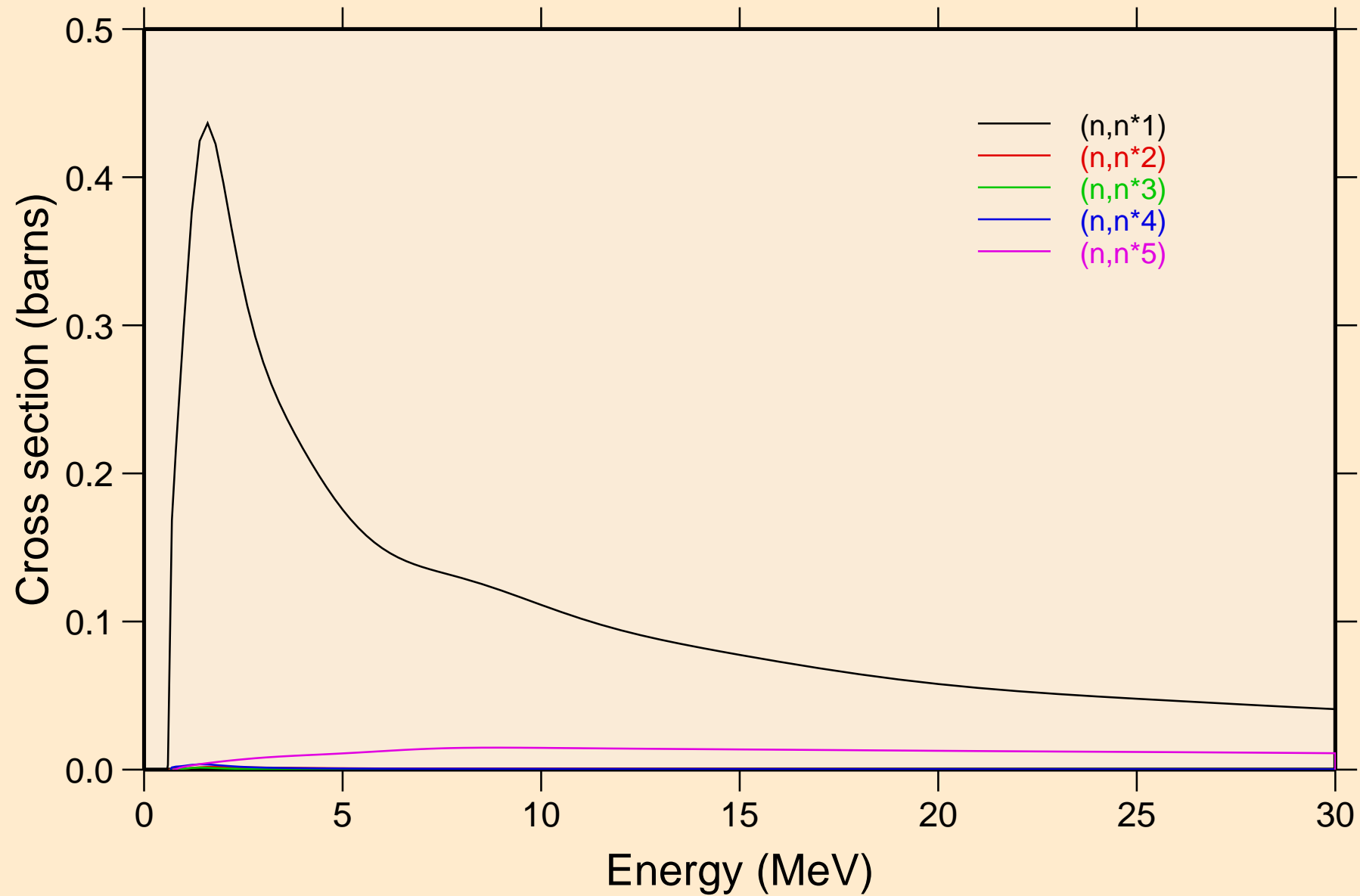
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Non-threshold reactions



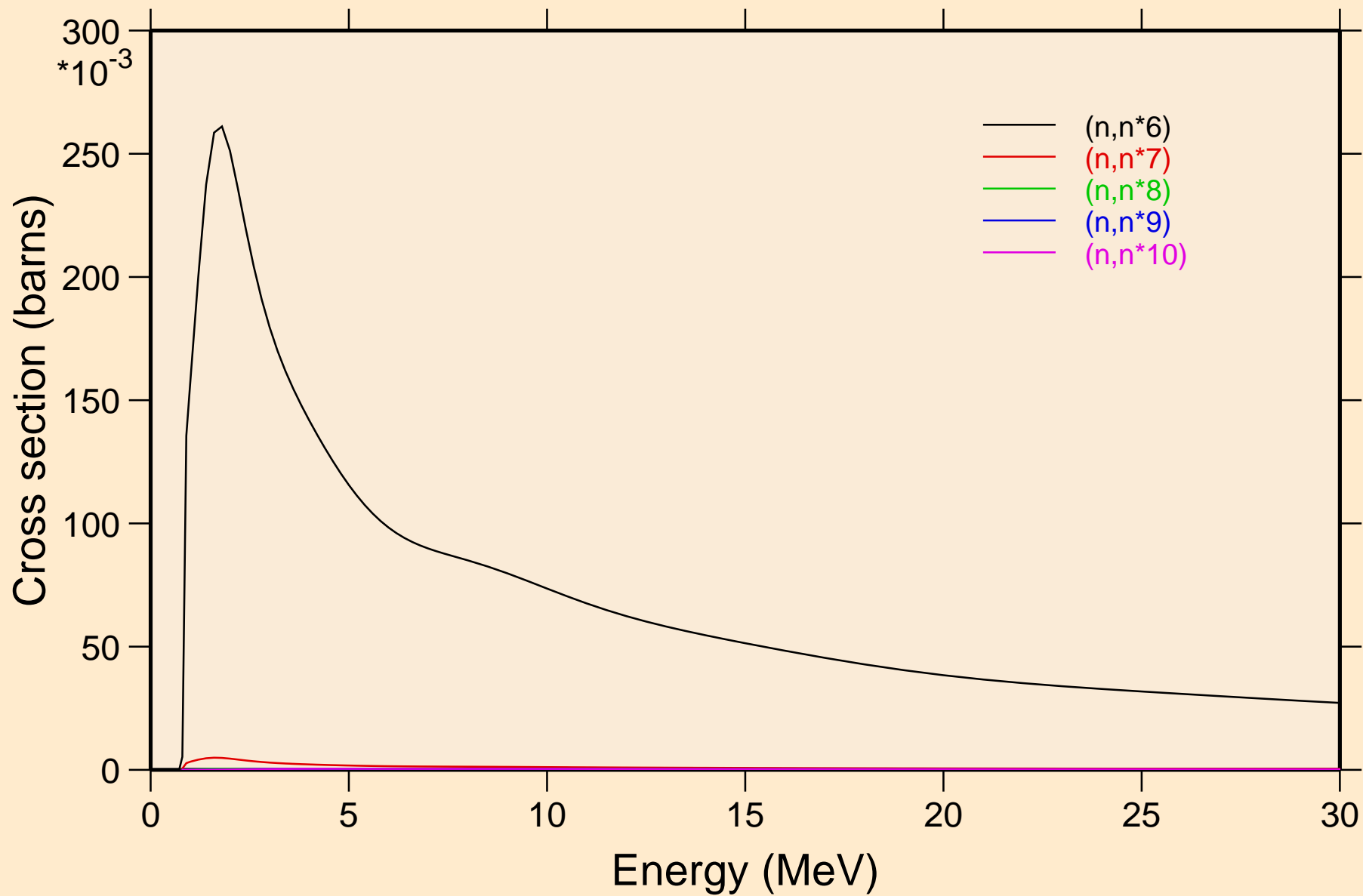
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Non-threshold reactions



TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

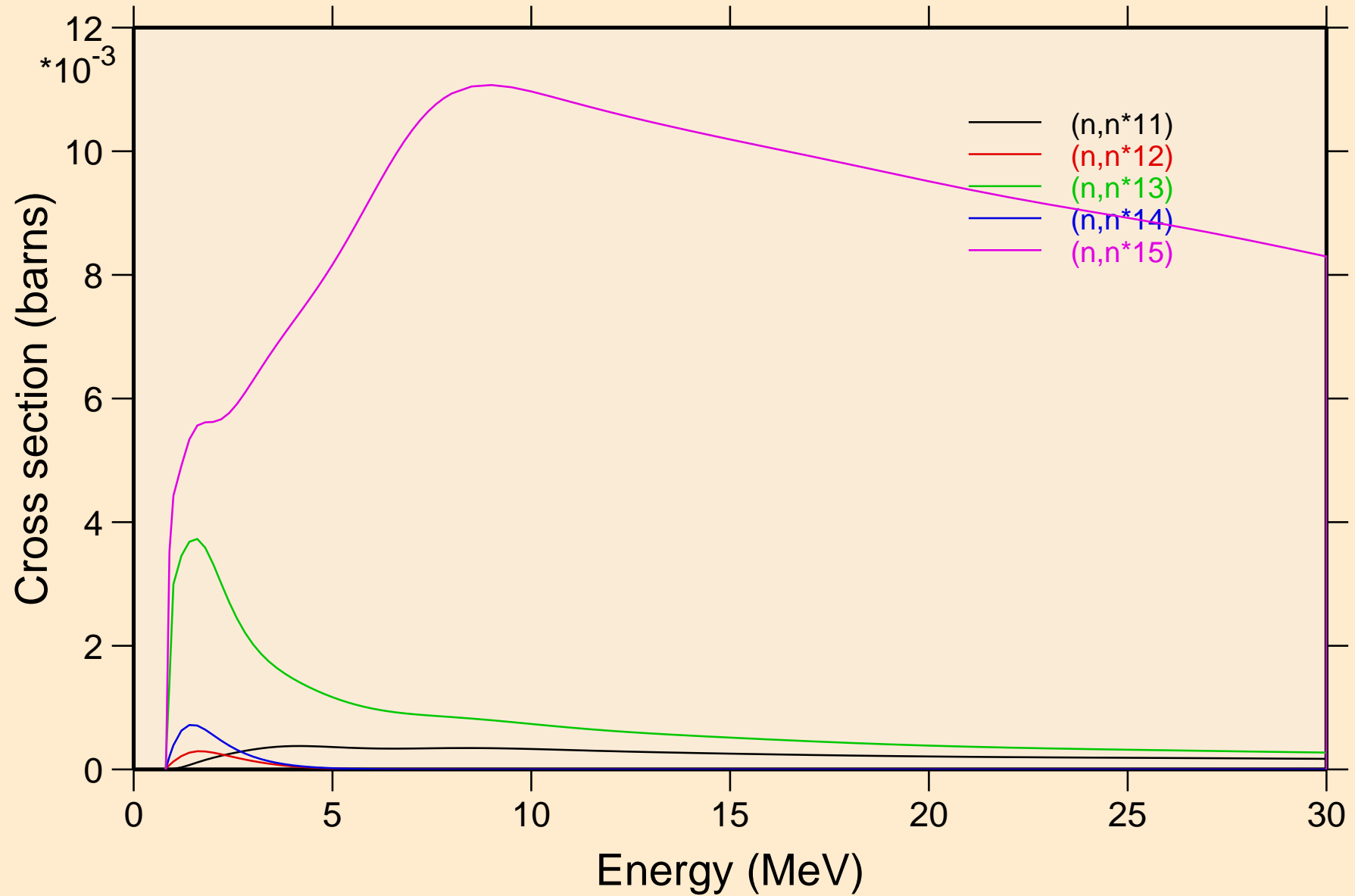


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Inelastic levels

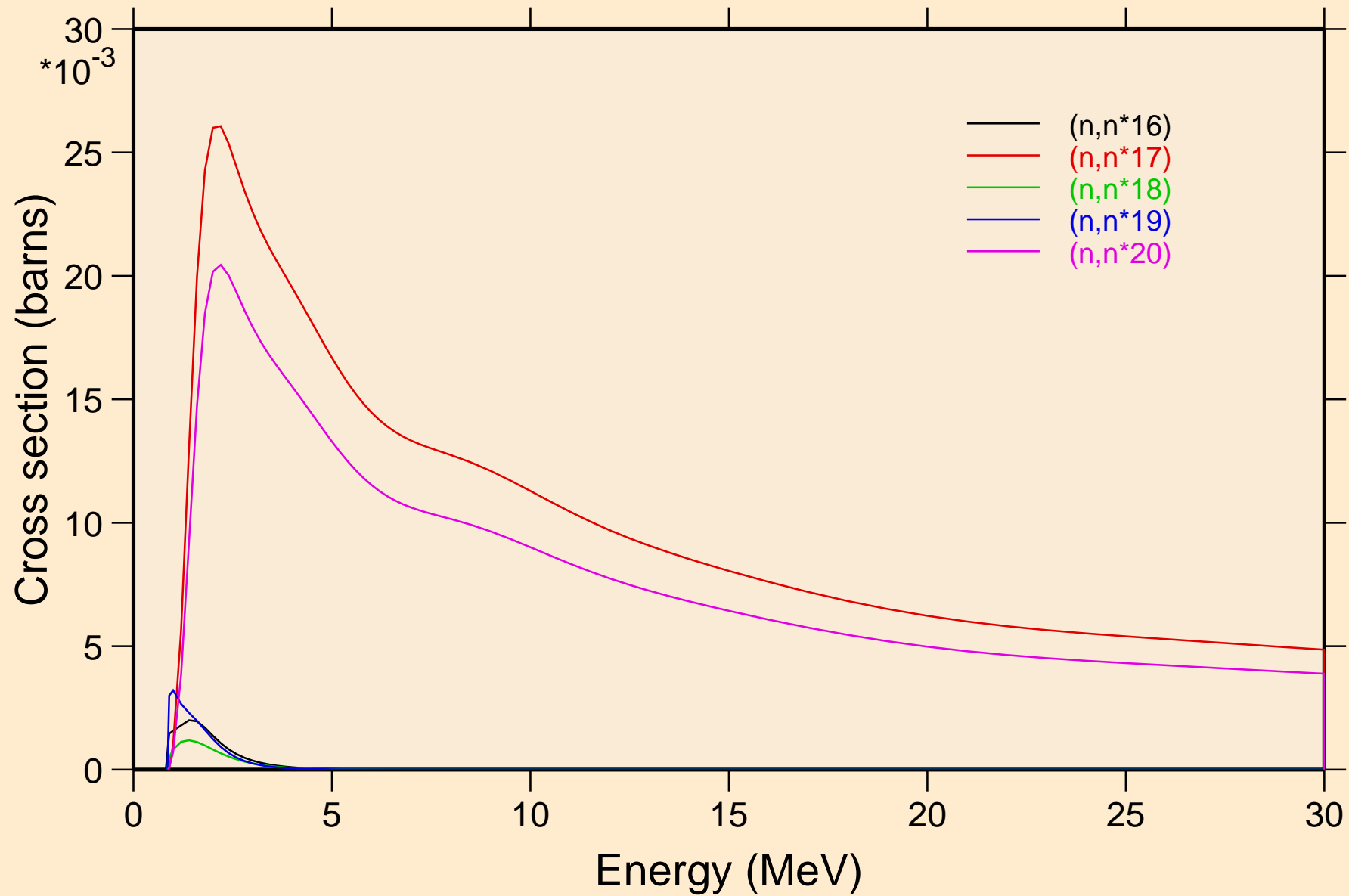




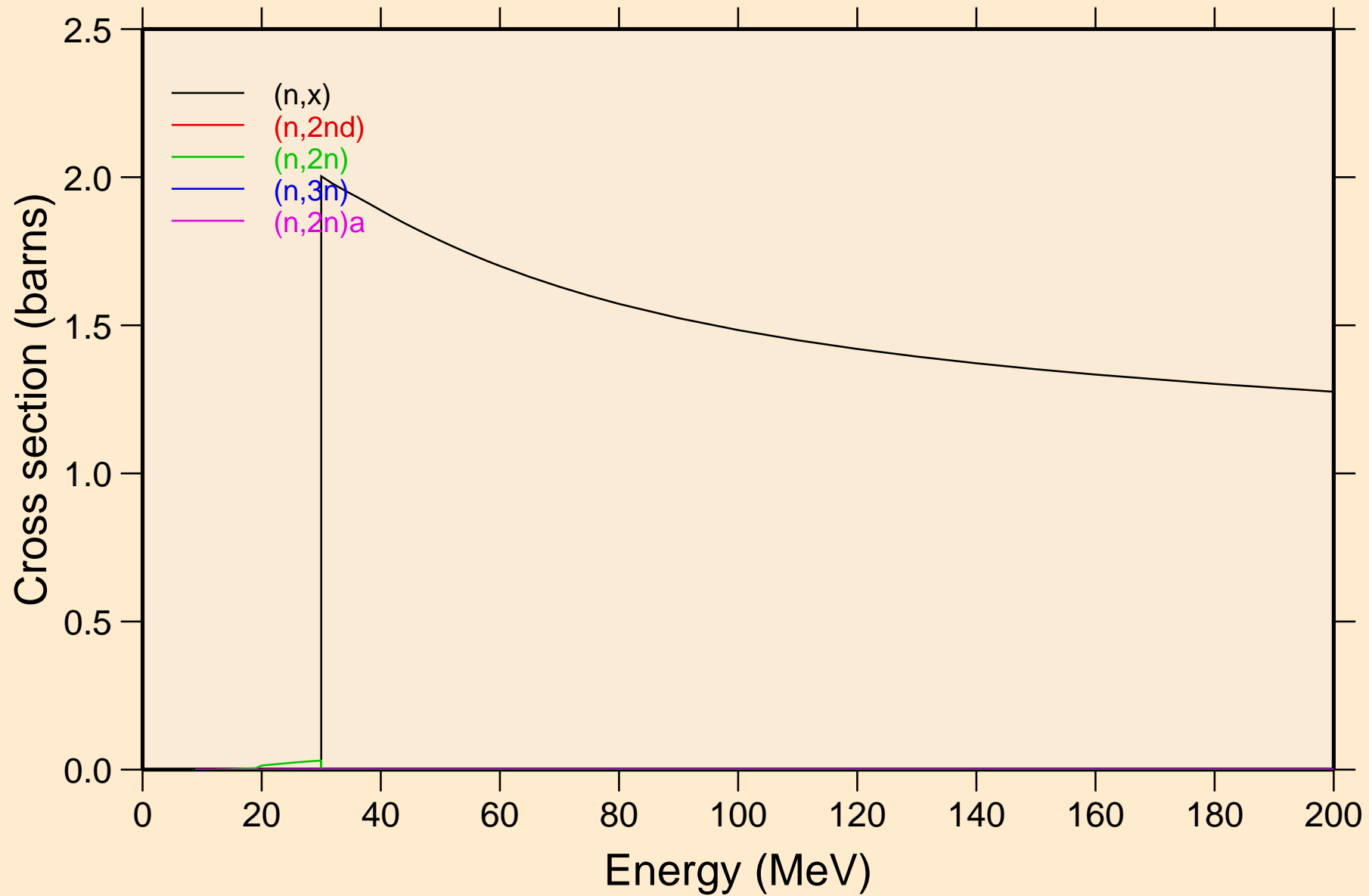
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Inelastic levels



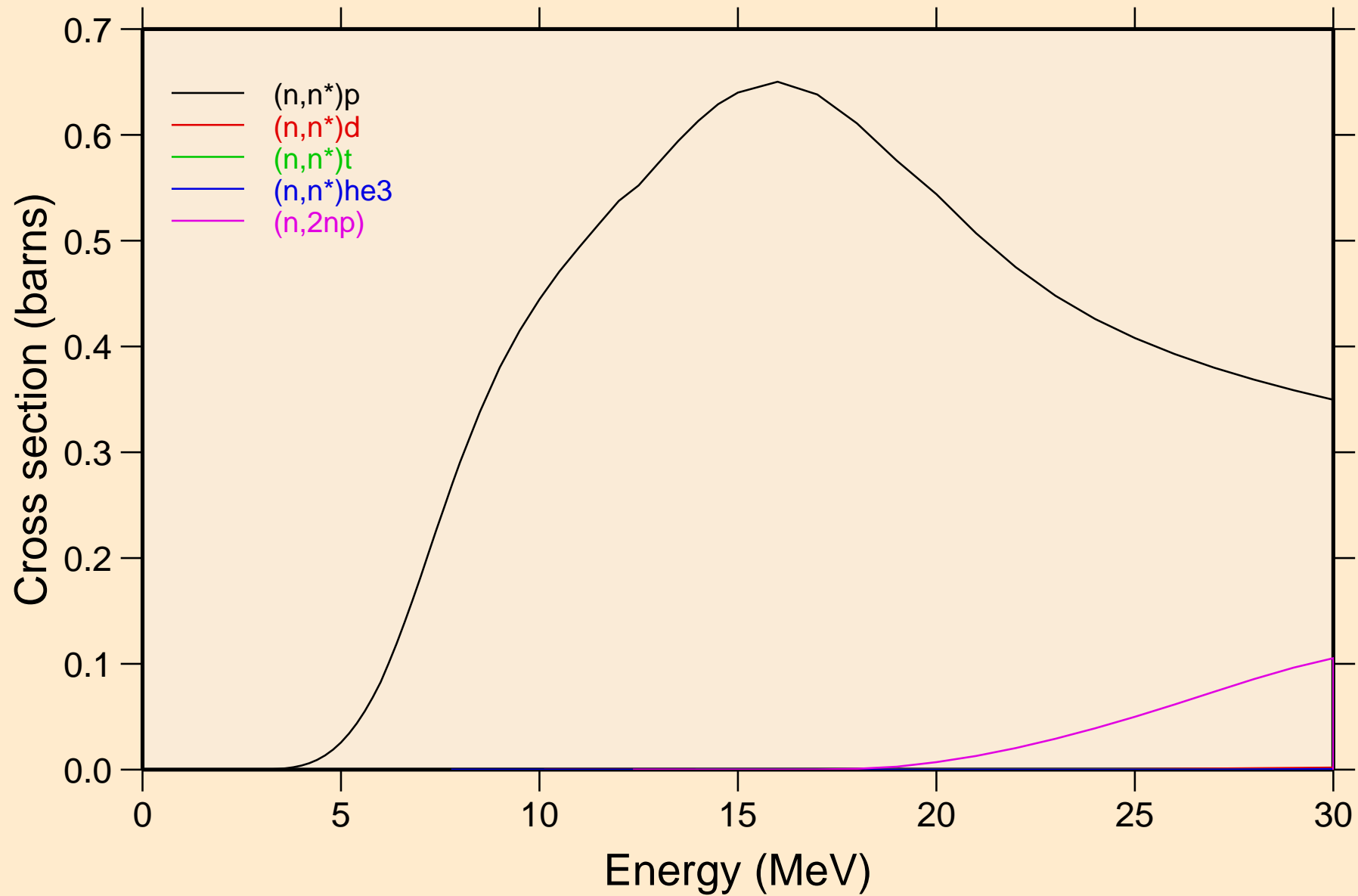
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Inelastic levels



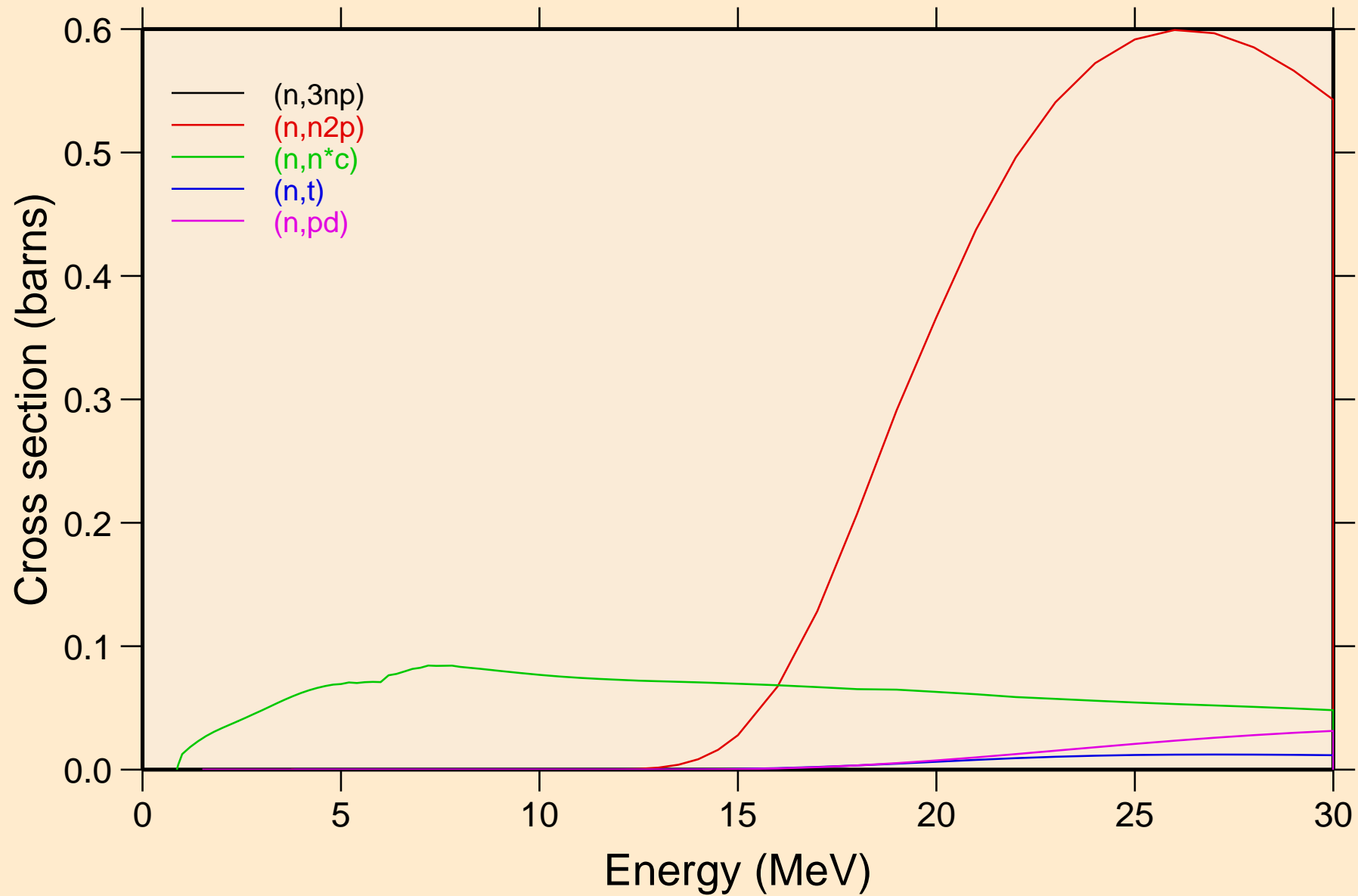
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Threshold reactions



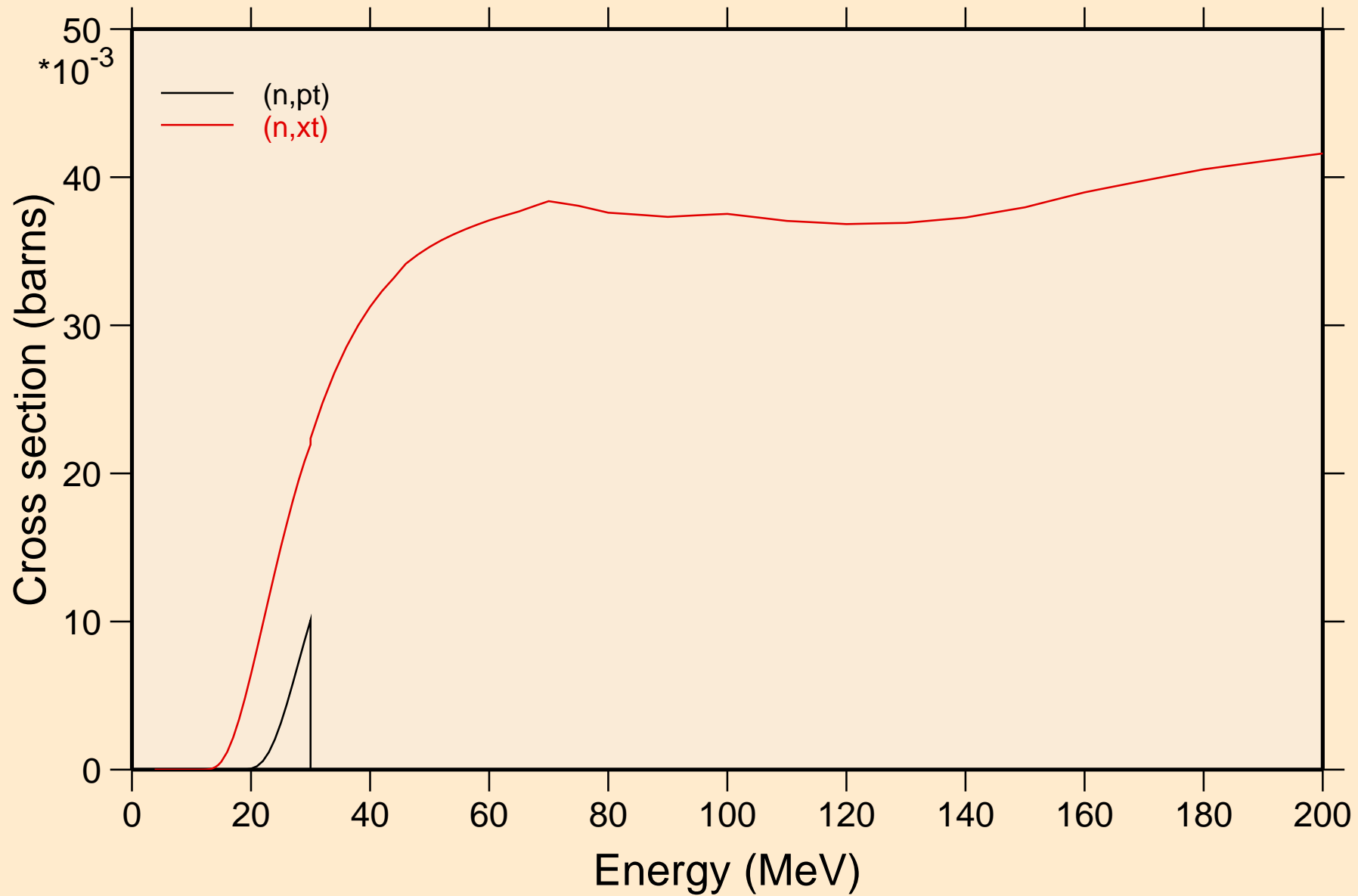
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Threshold reactions



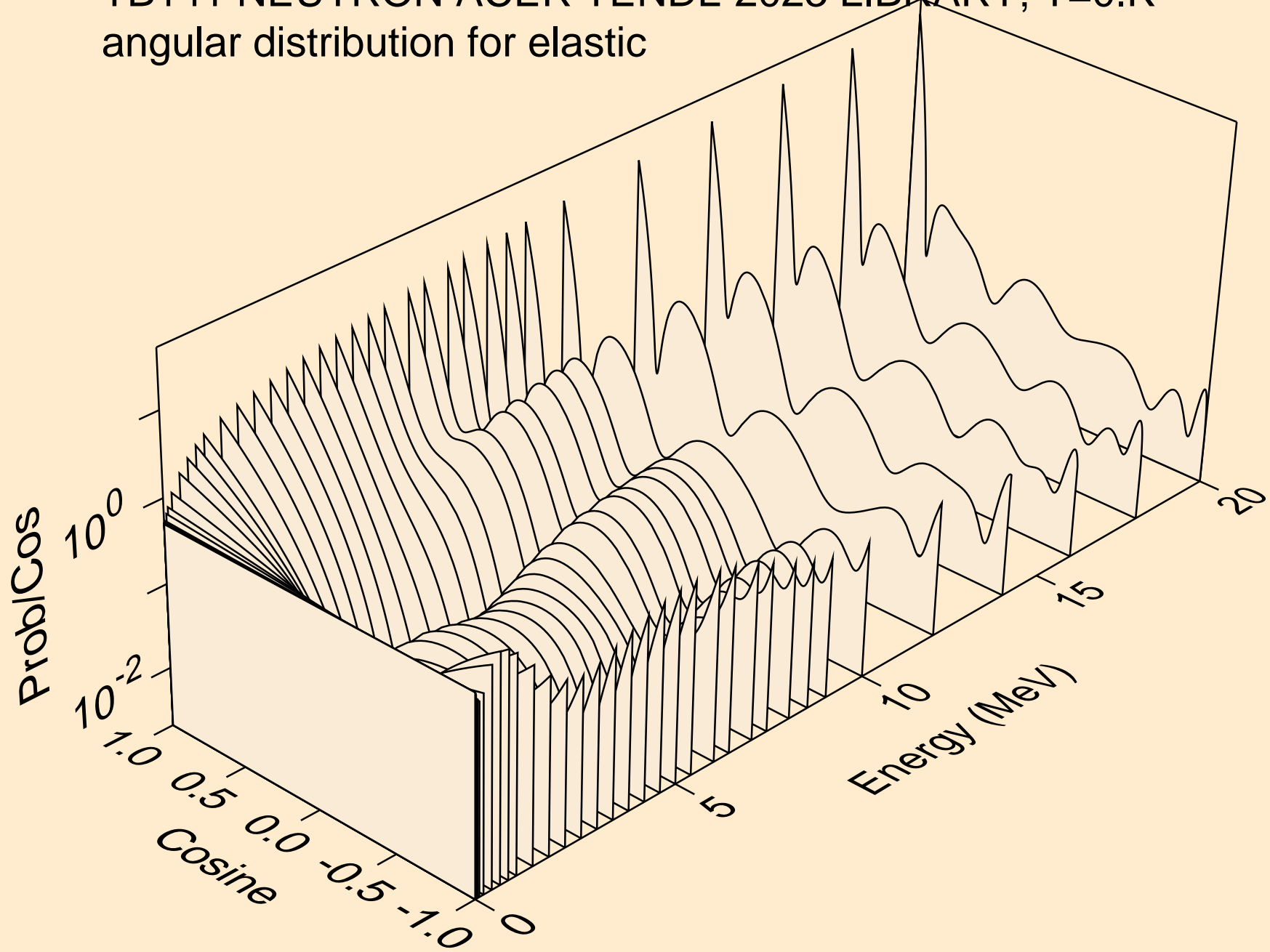
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Threshold reactions



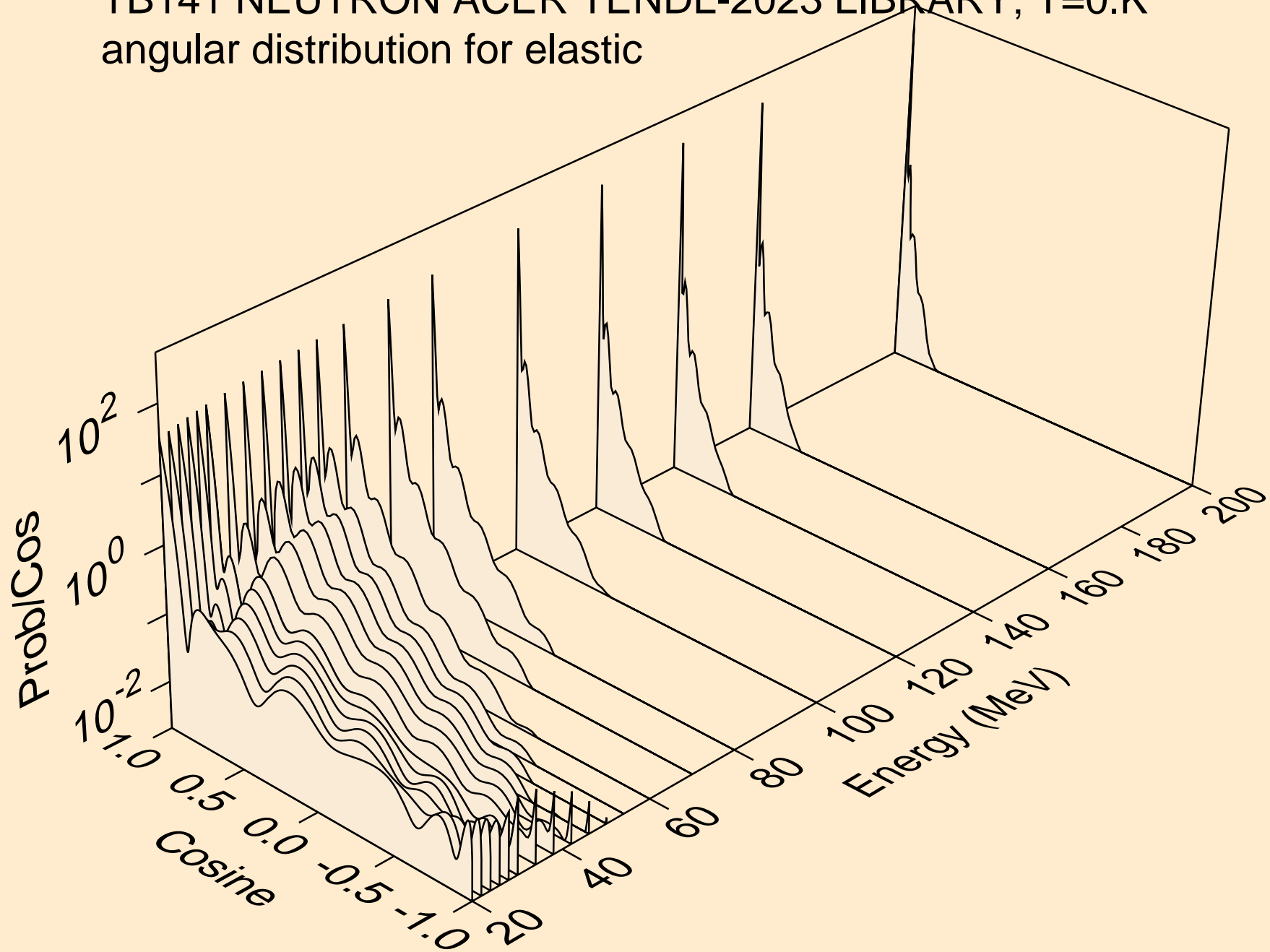
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Threshold reactions



TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

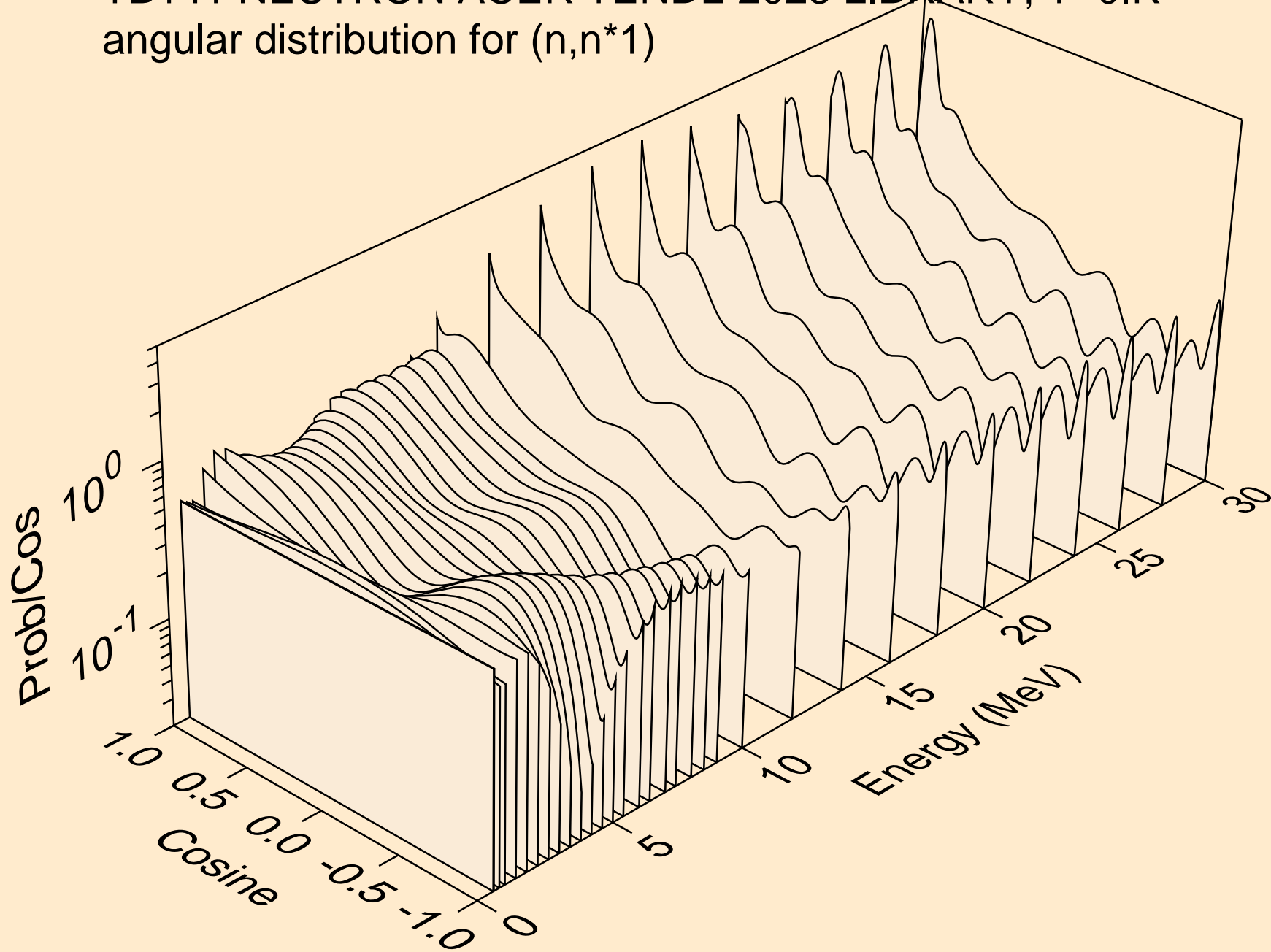


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angular distribution for elastic

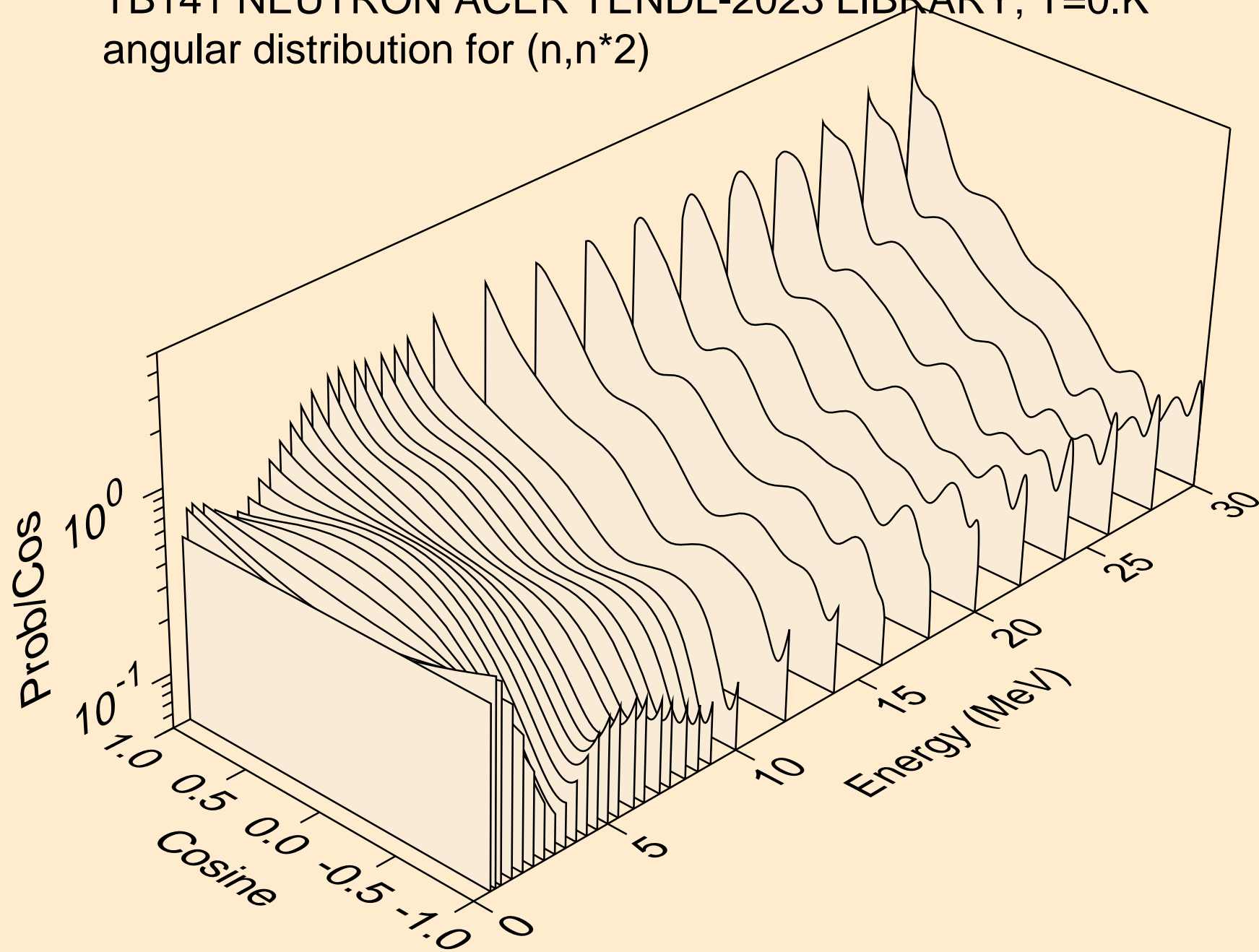




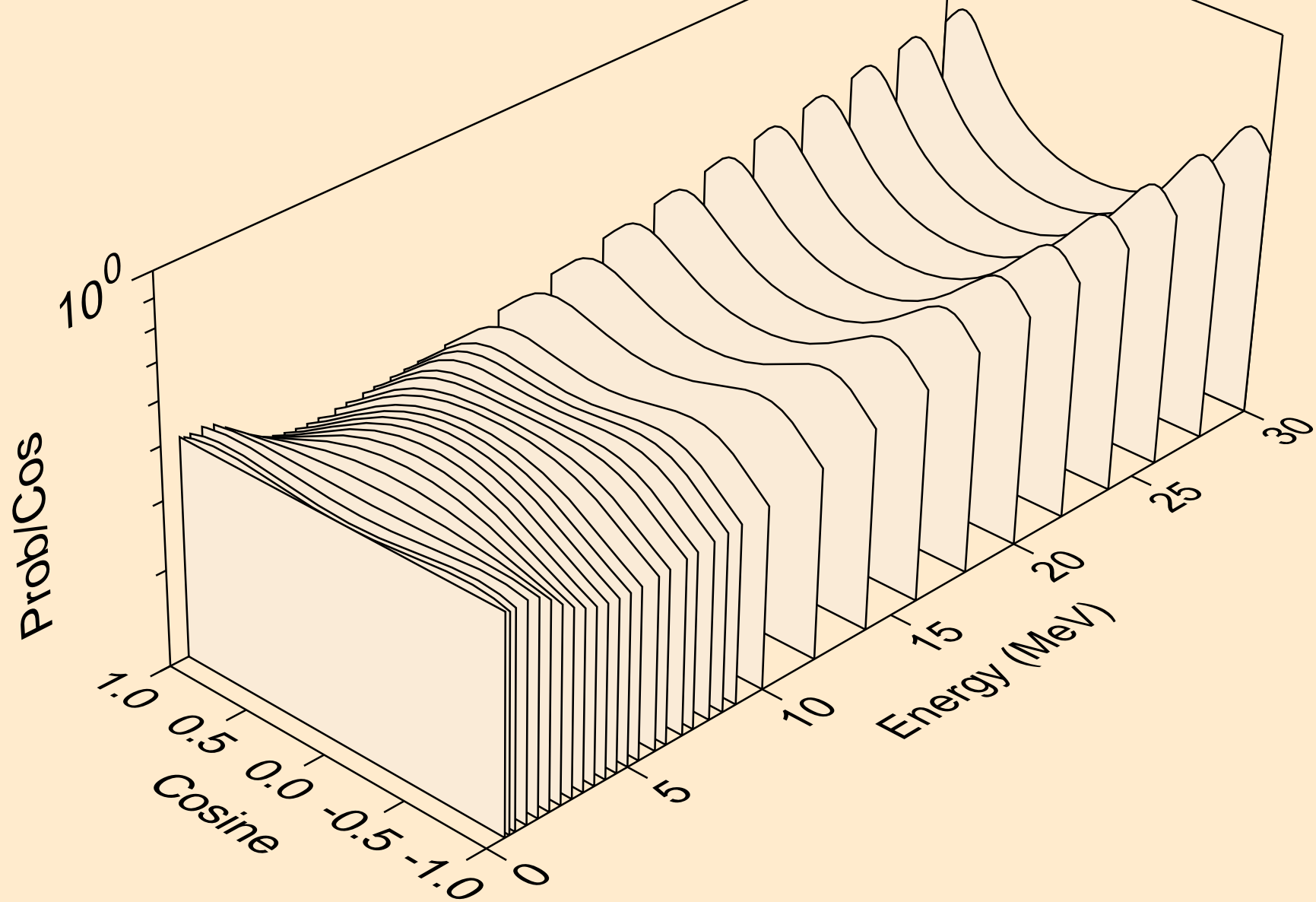
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angular distribution for (n,n\*1)



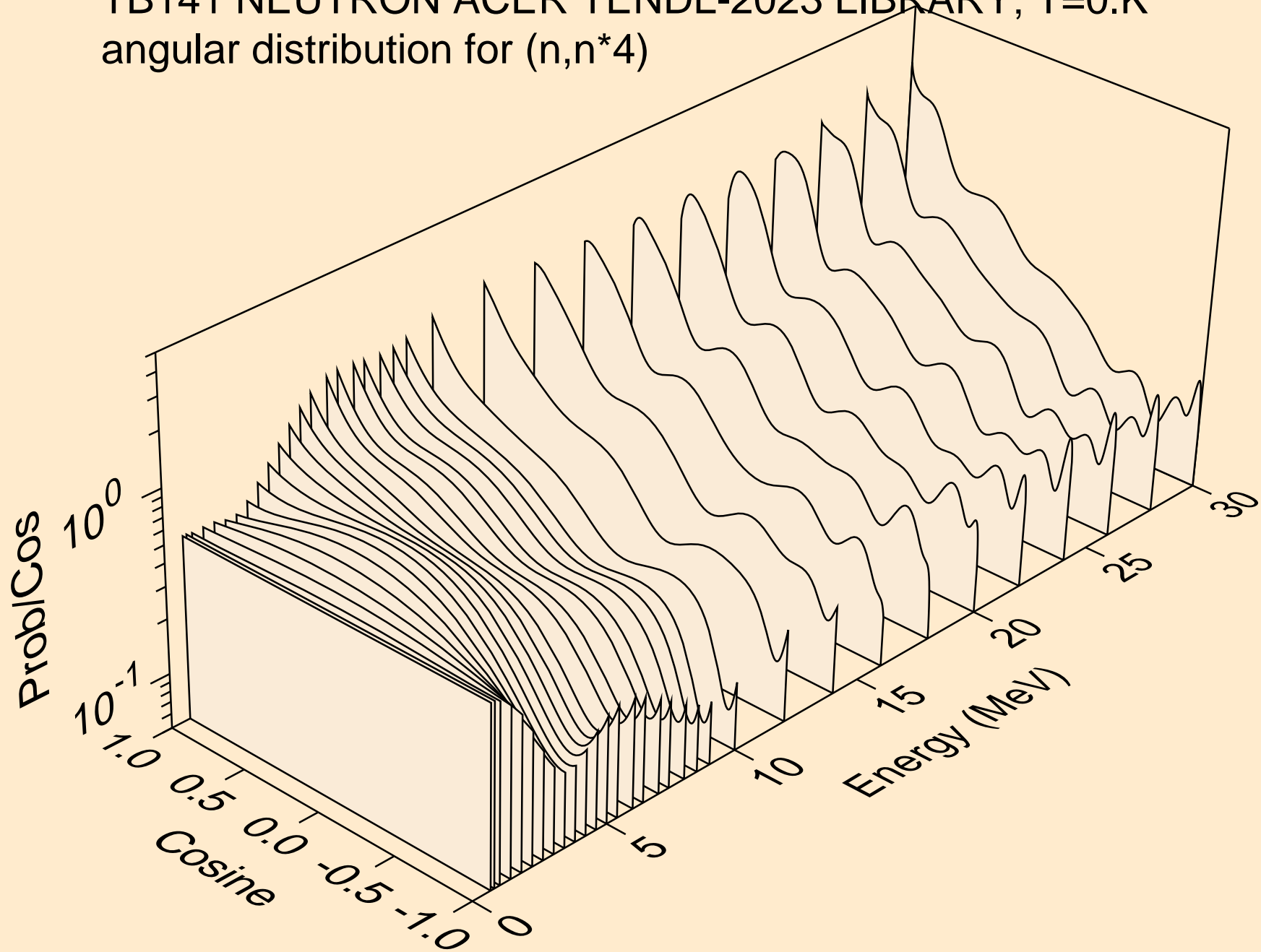
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angular distribution for (n,n\*2)



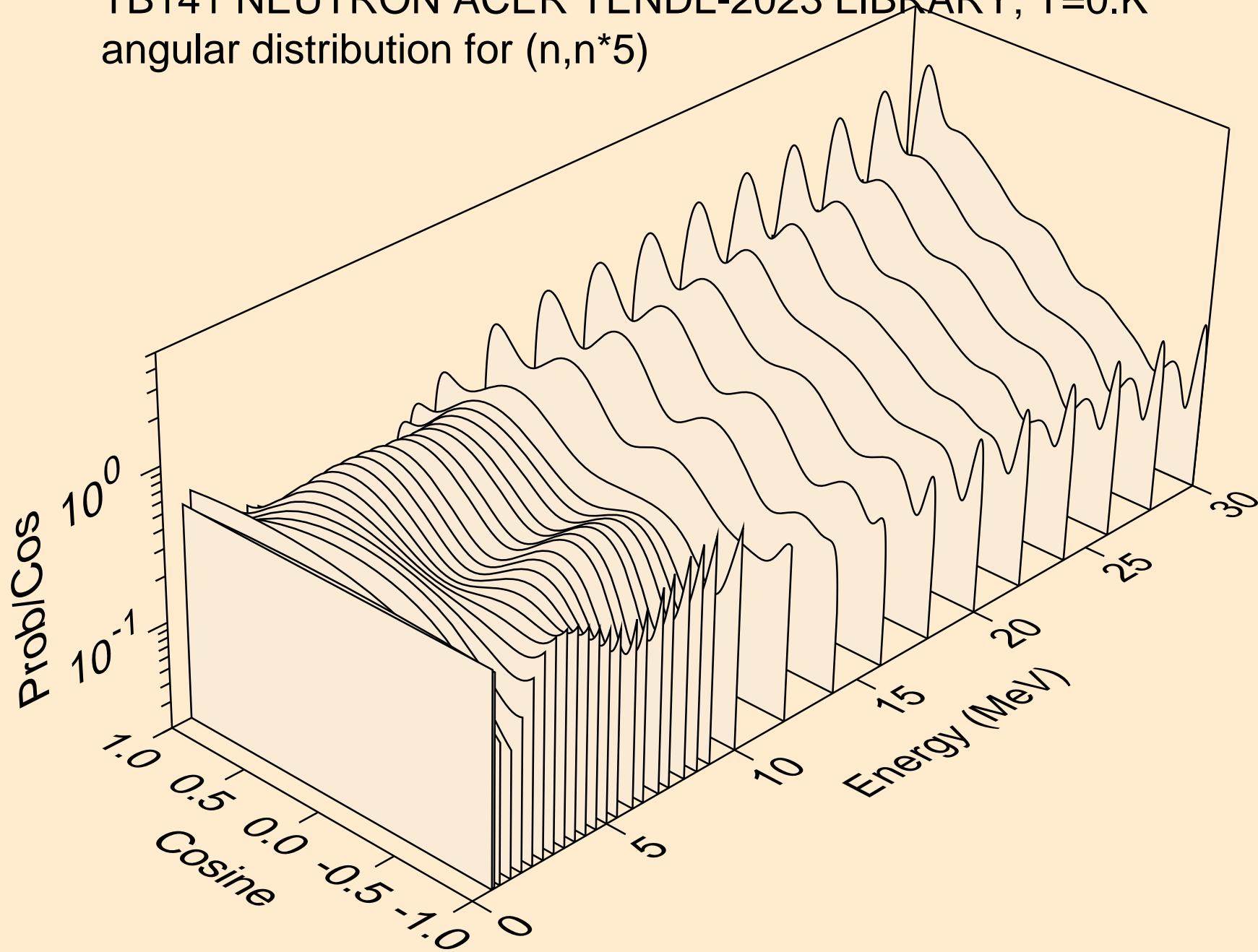
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angular distribution for (n,n\*3)



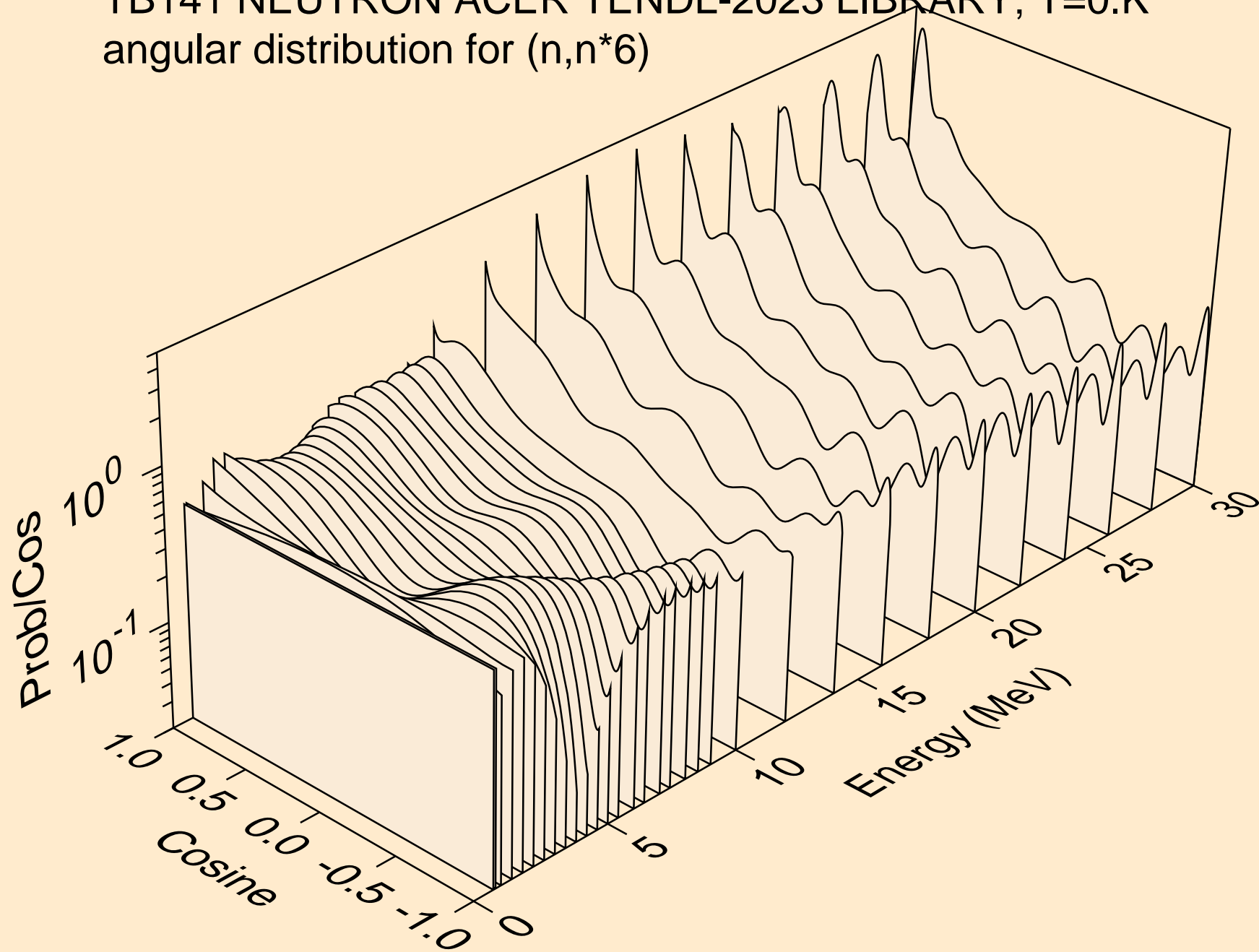
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angular distribution for (n,n\*4)



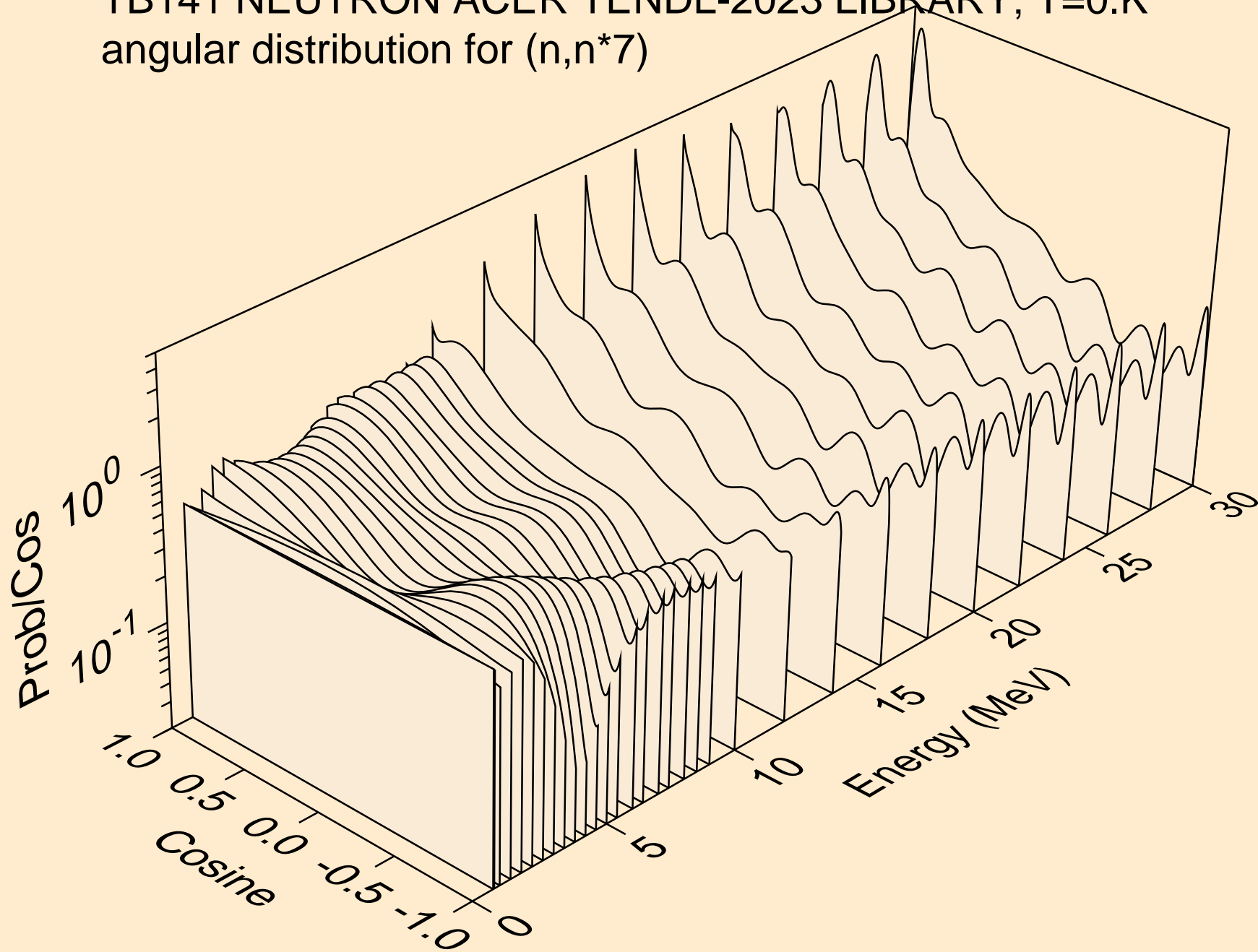
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angular distribution for (n,n\*5)



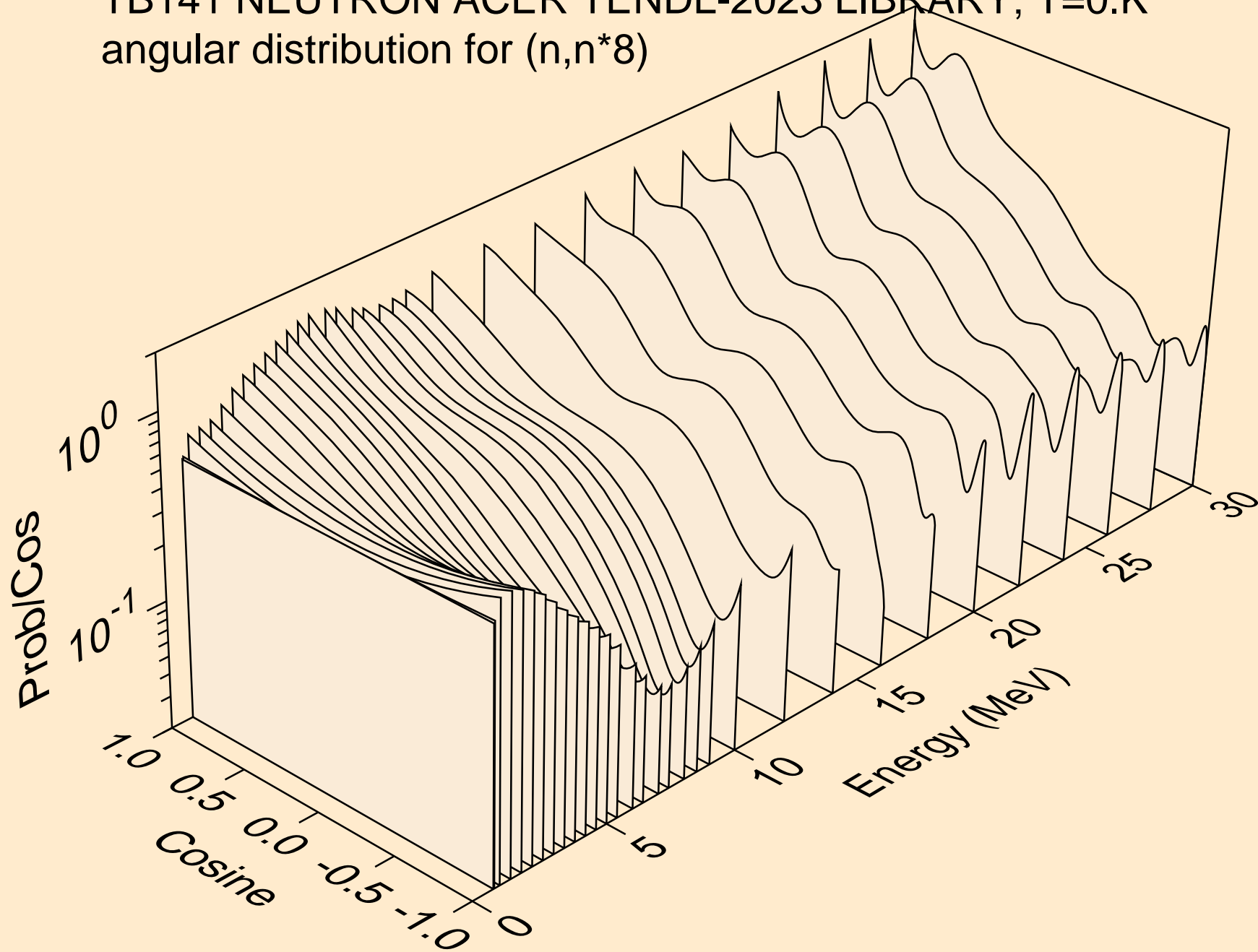
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angular distribution for (n,n\*6)



TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)

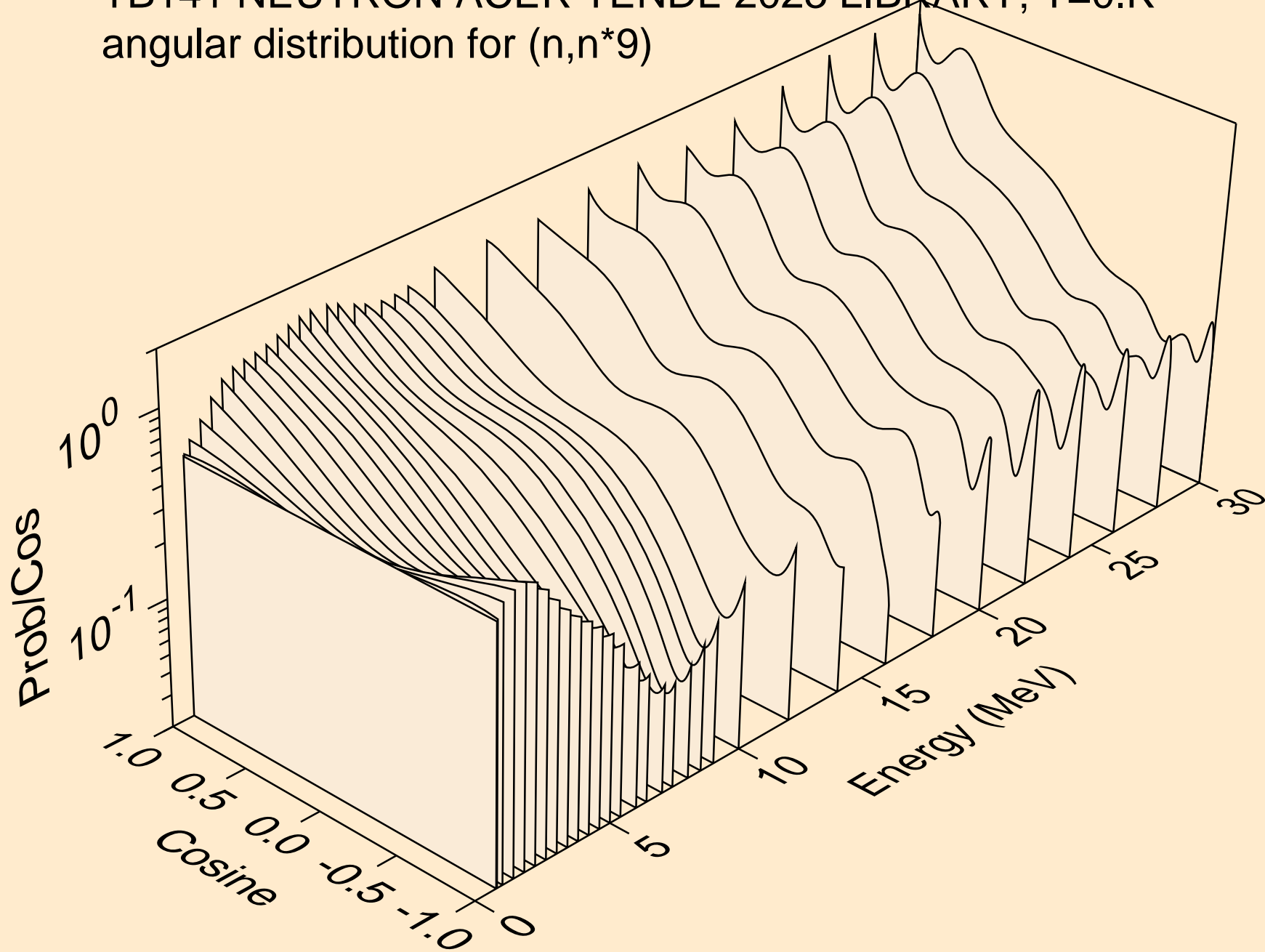


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angular distribution for (n,n\*8)

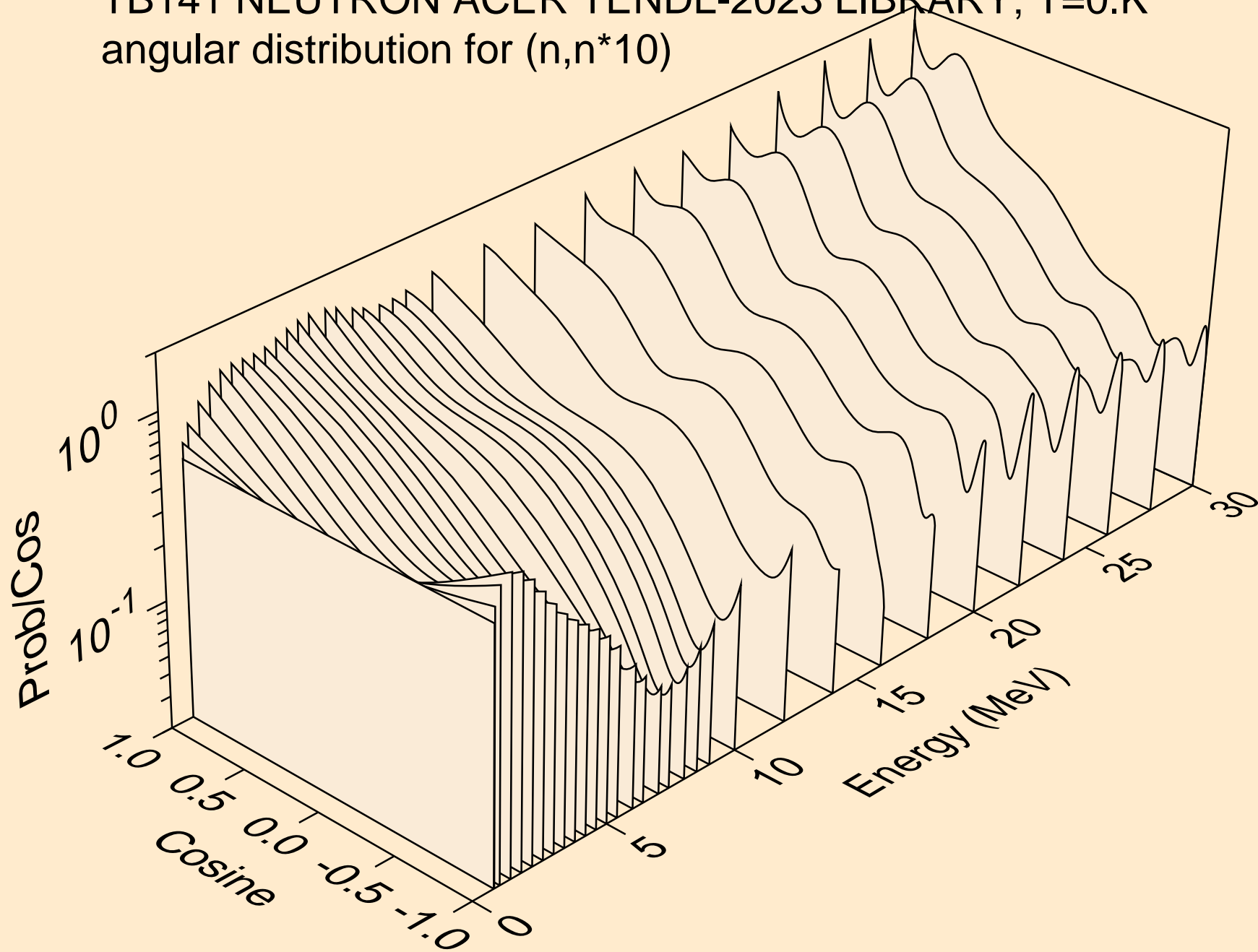




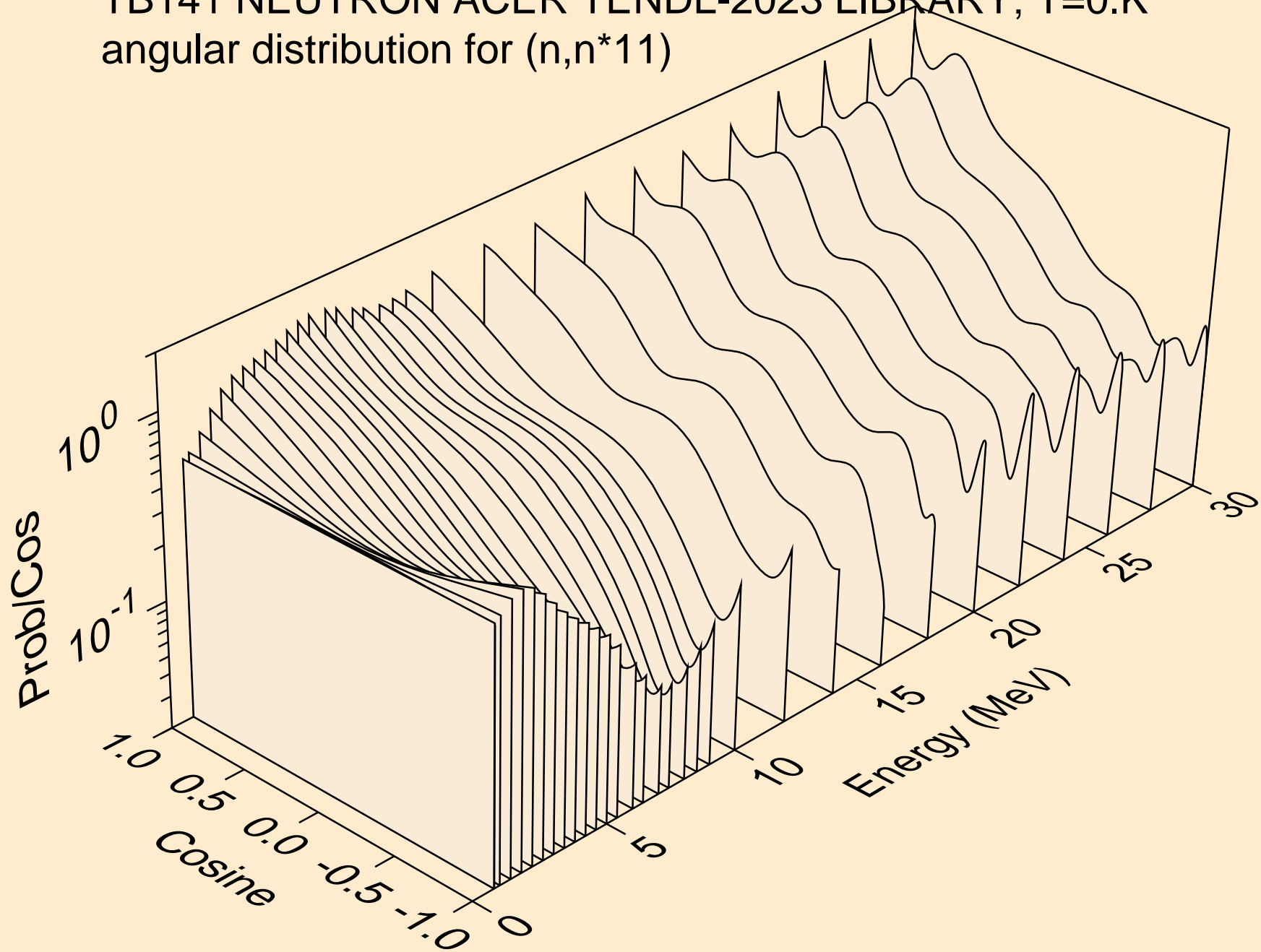
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angular distribution for (n,n\*9)



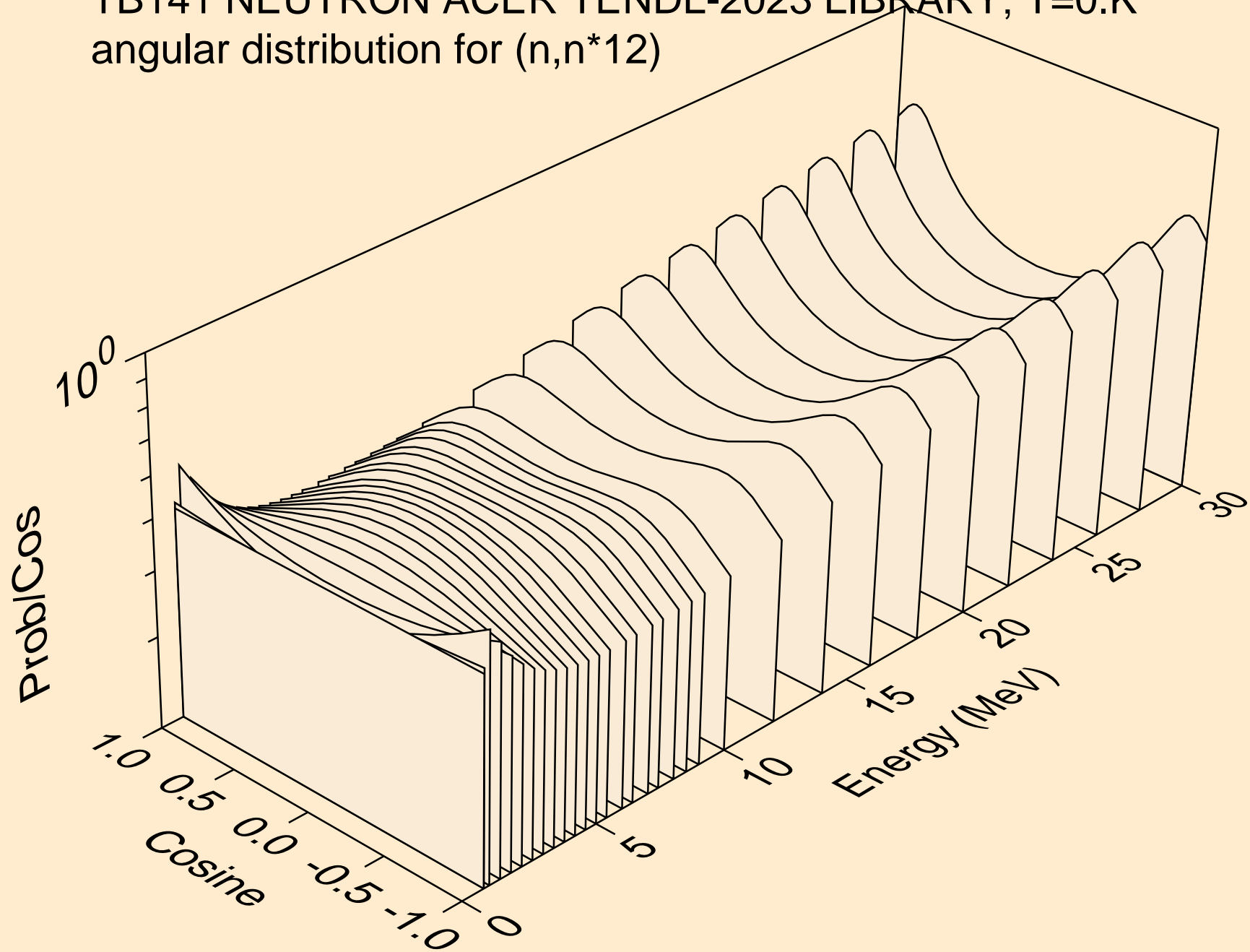
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angular distribution for (n,n\*10)



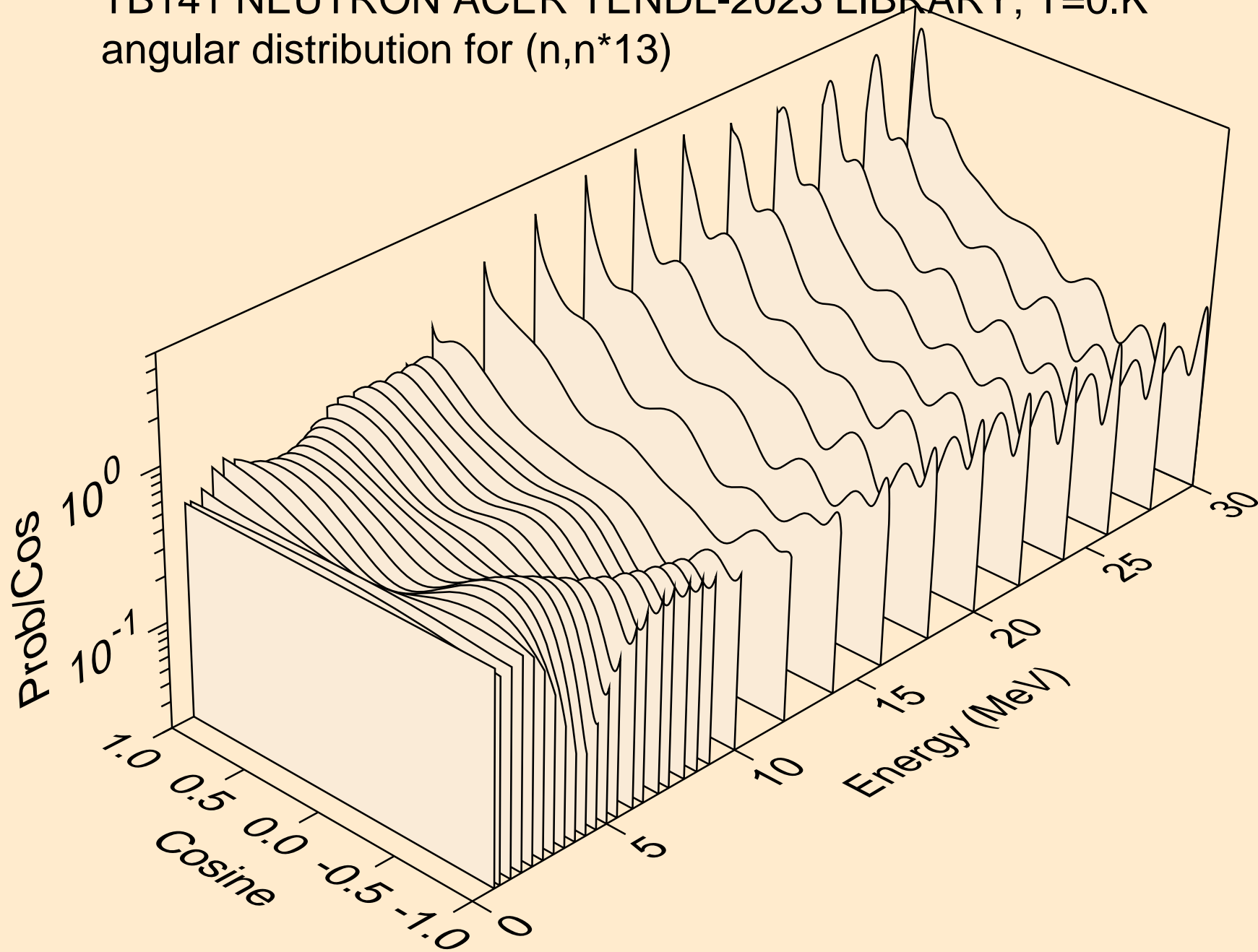
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angular distribution for (n,n\*11)



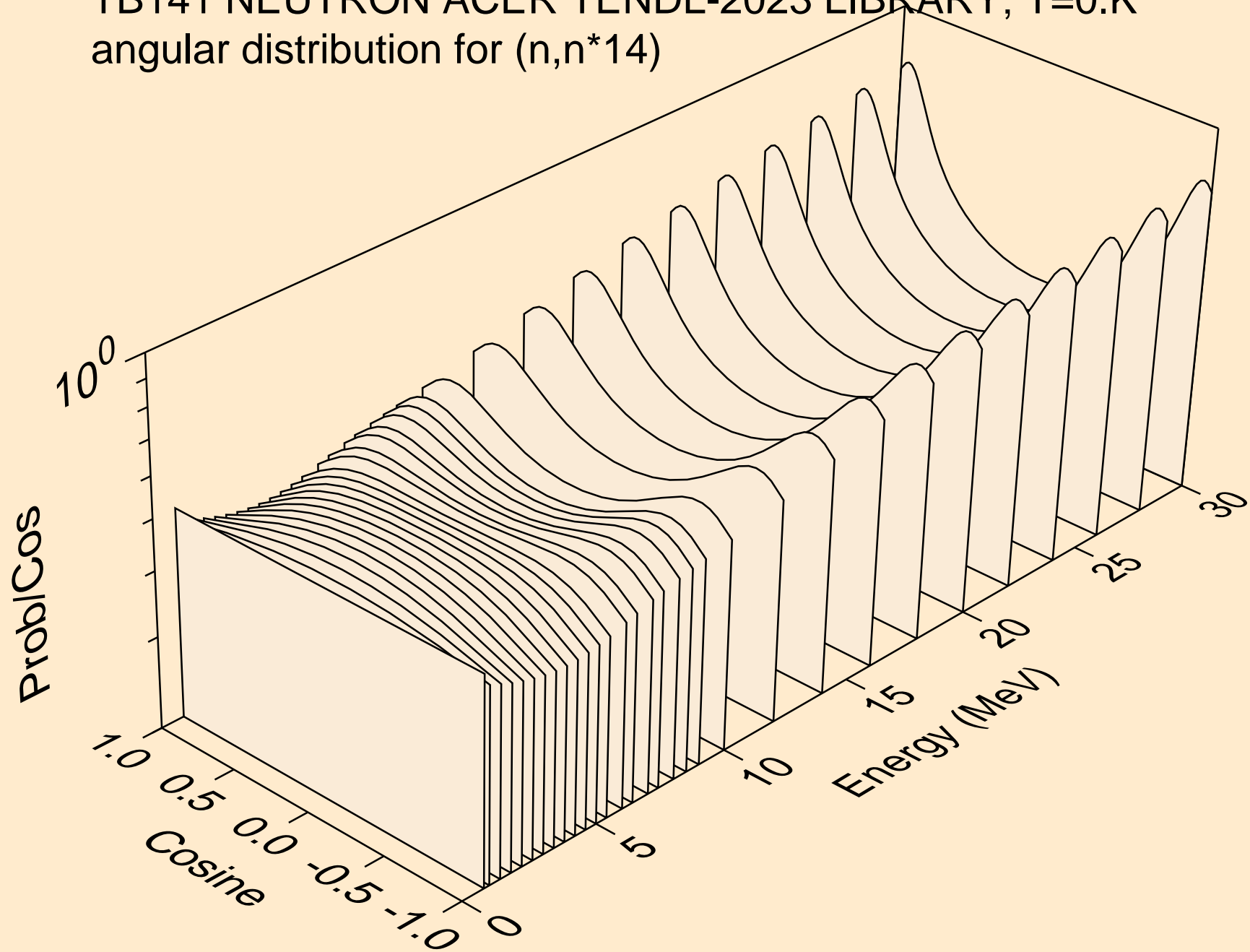
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angular distribution for (n,n\*12)



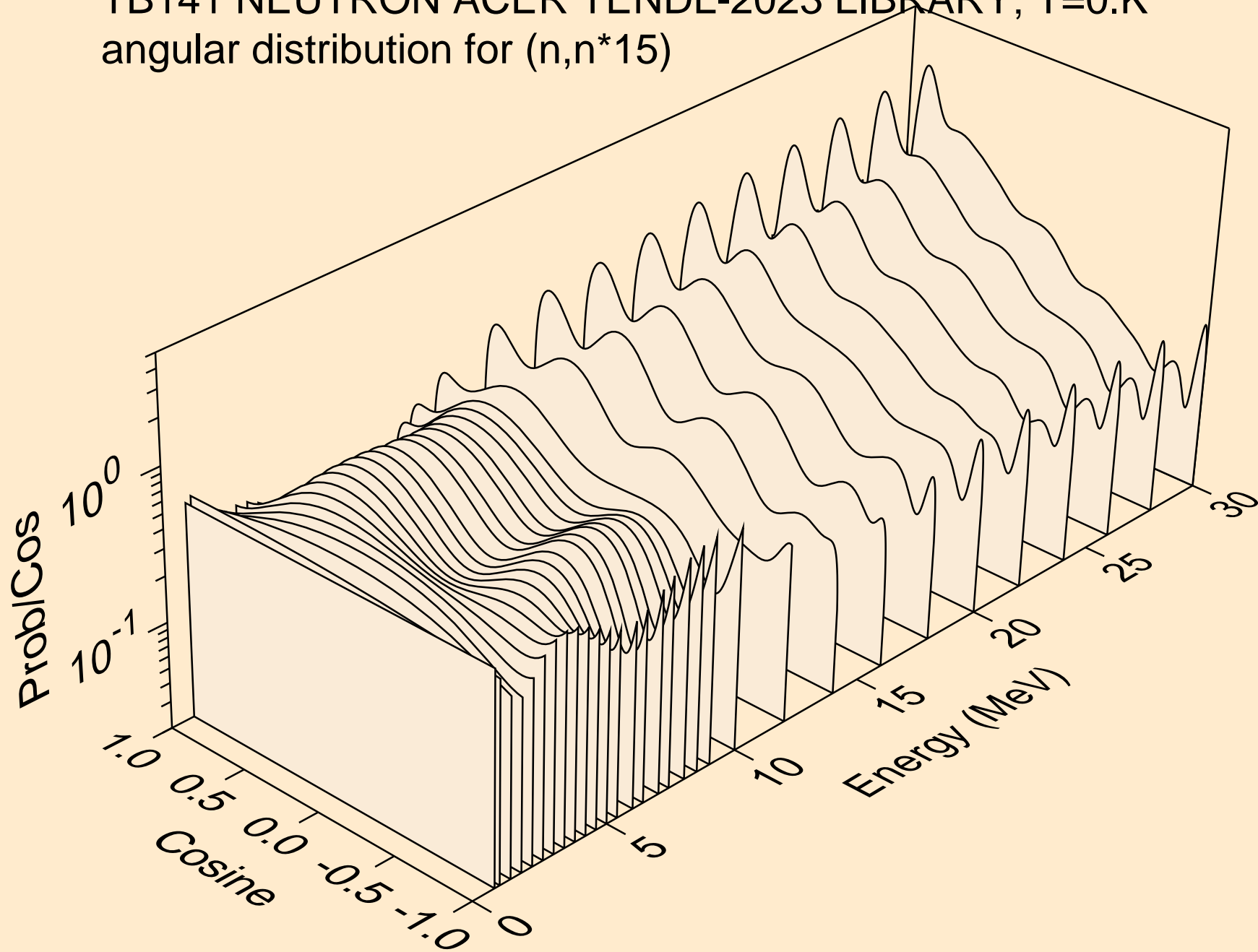
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angular distribution for (n,n\*13)



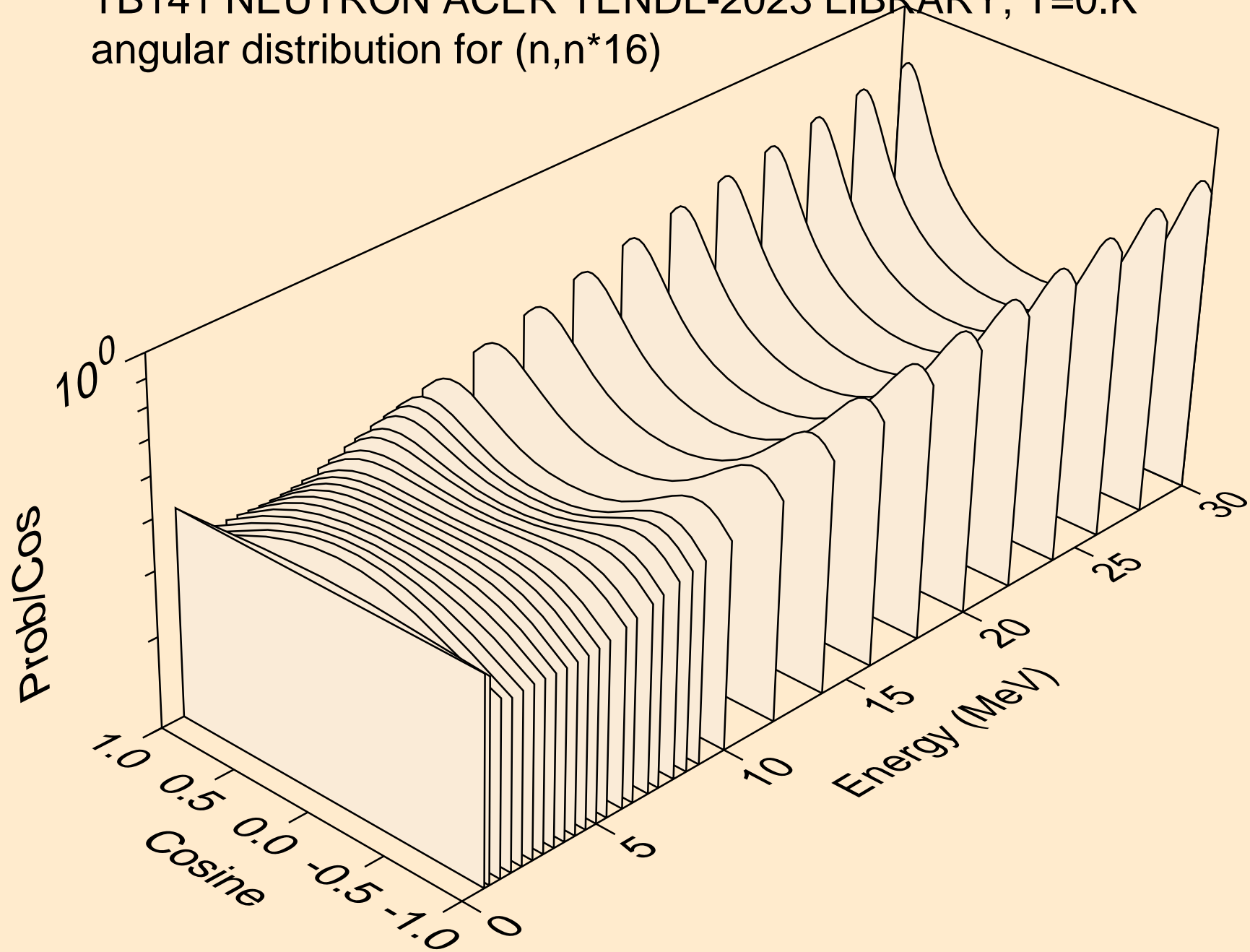
TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)

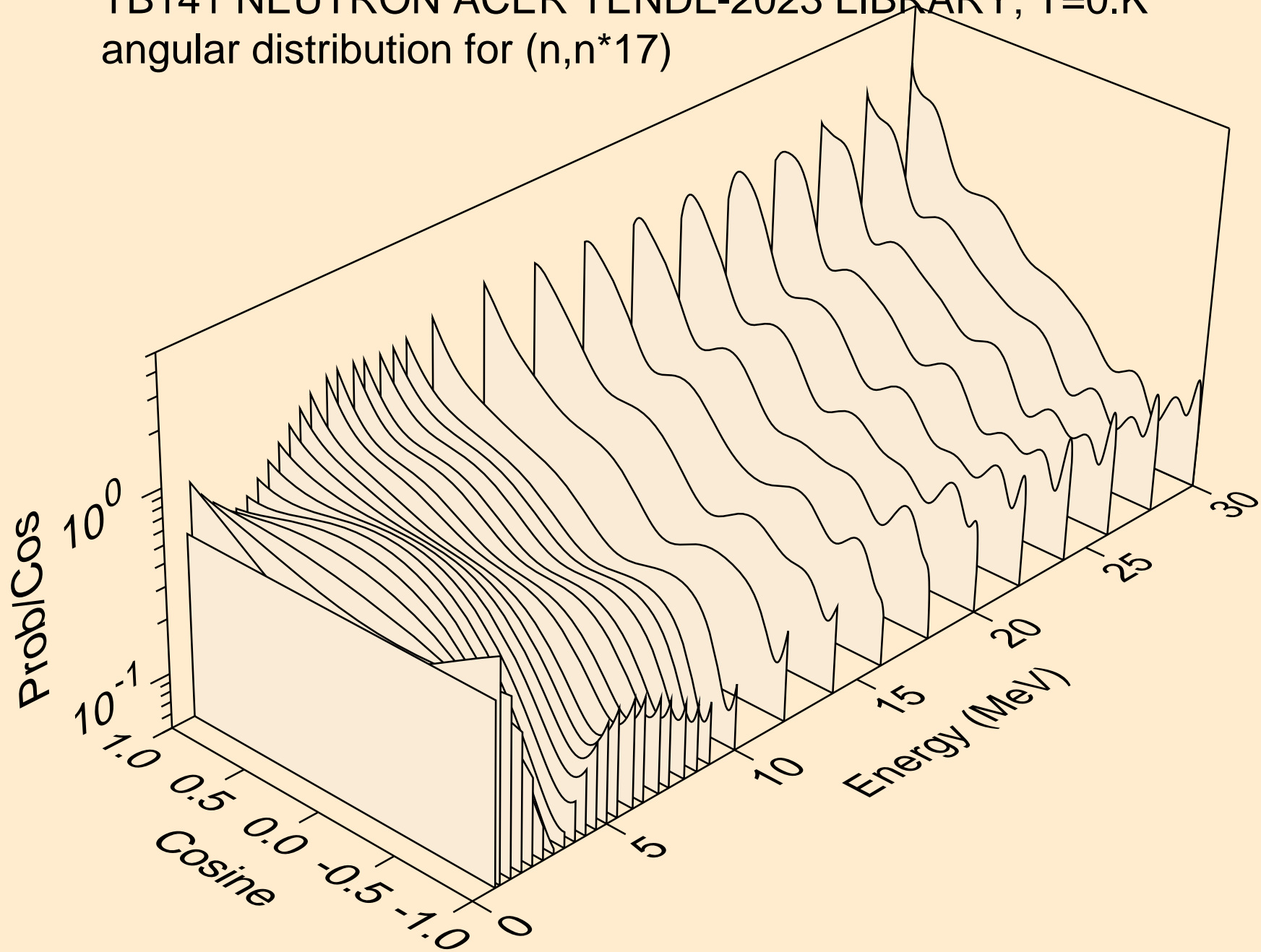


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angular distribution for (n,n\*16)

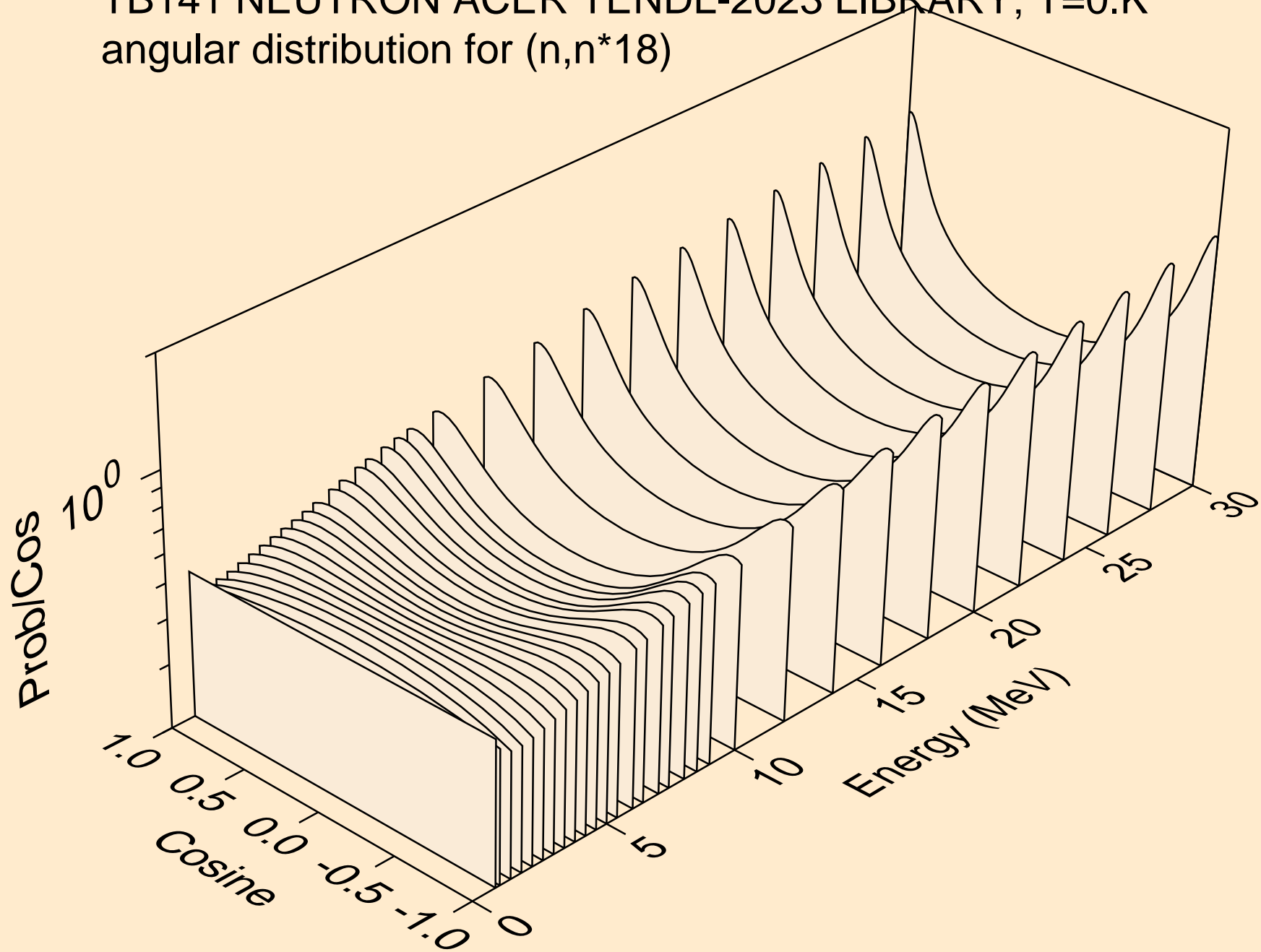




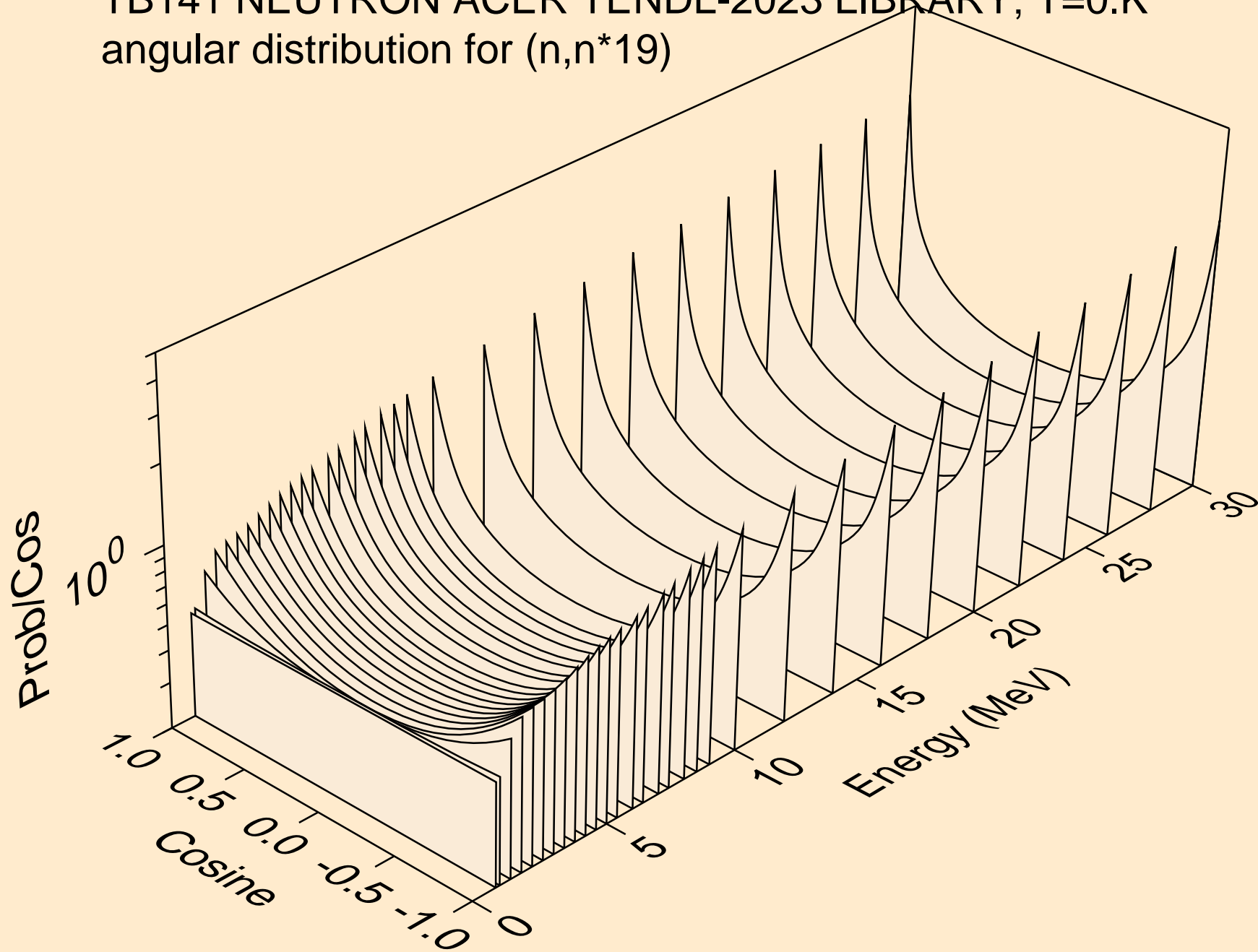
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angular distribution for (n,n\*17)



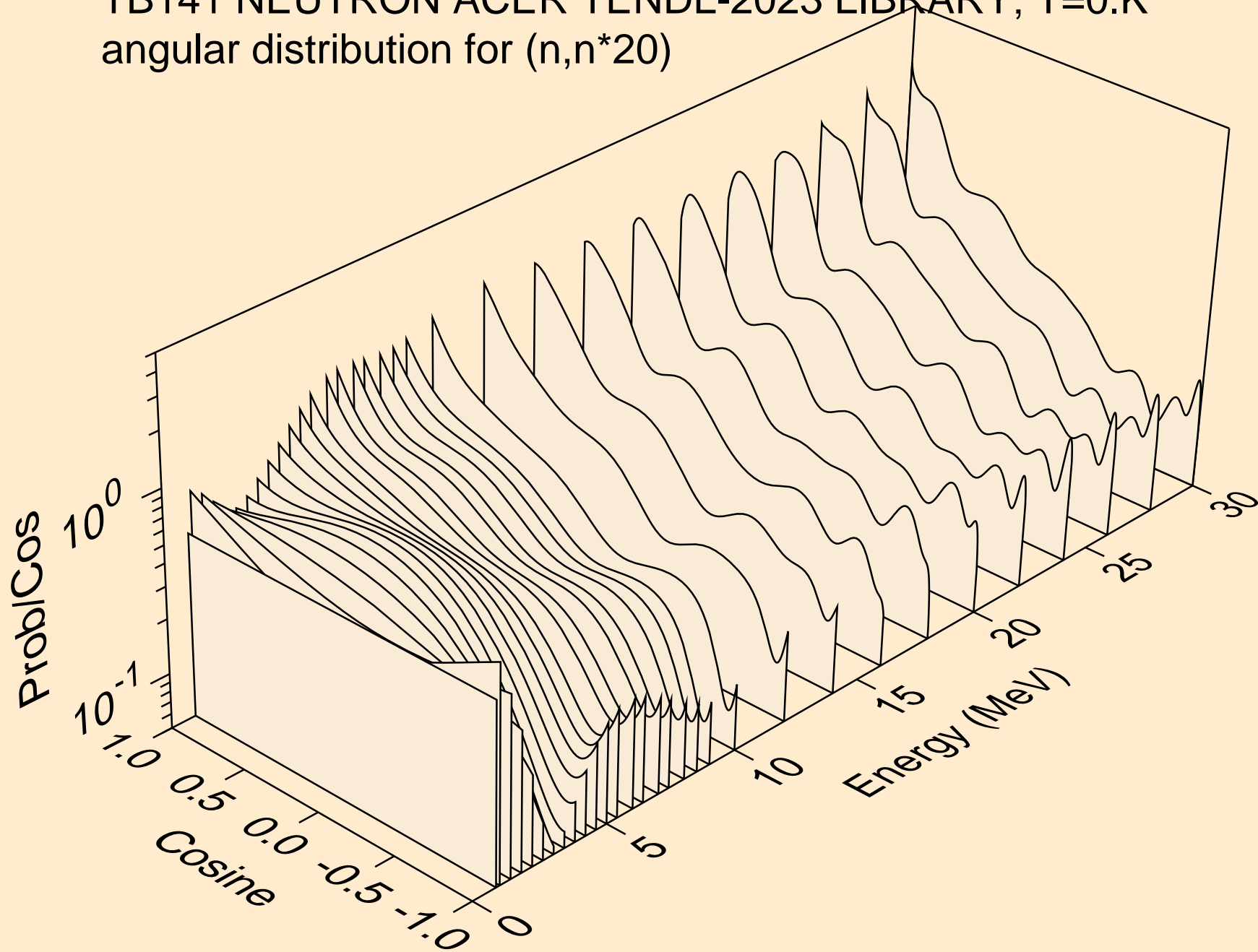
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angular distribution for (n,n\*18)



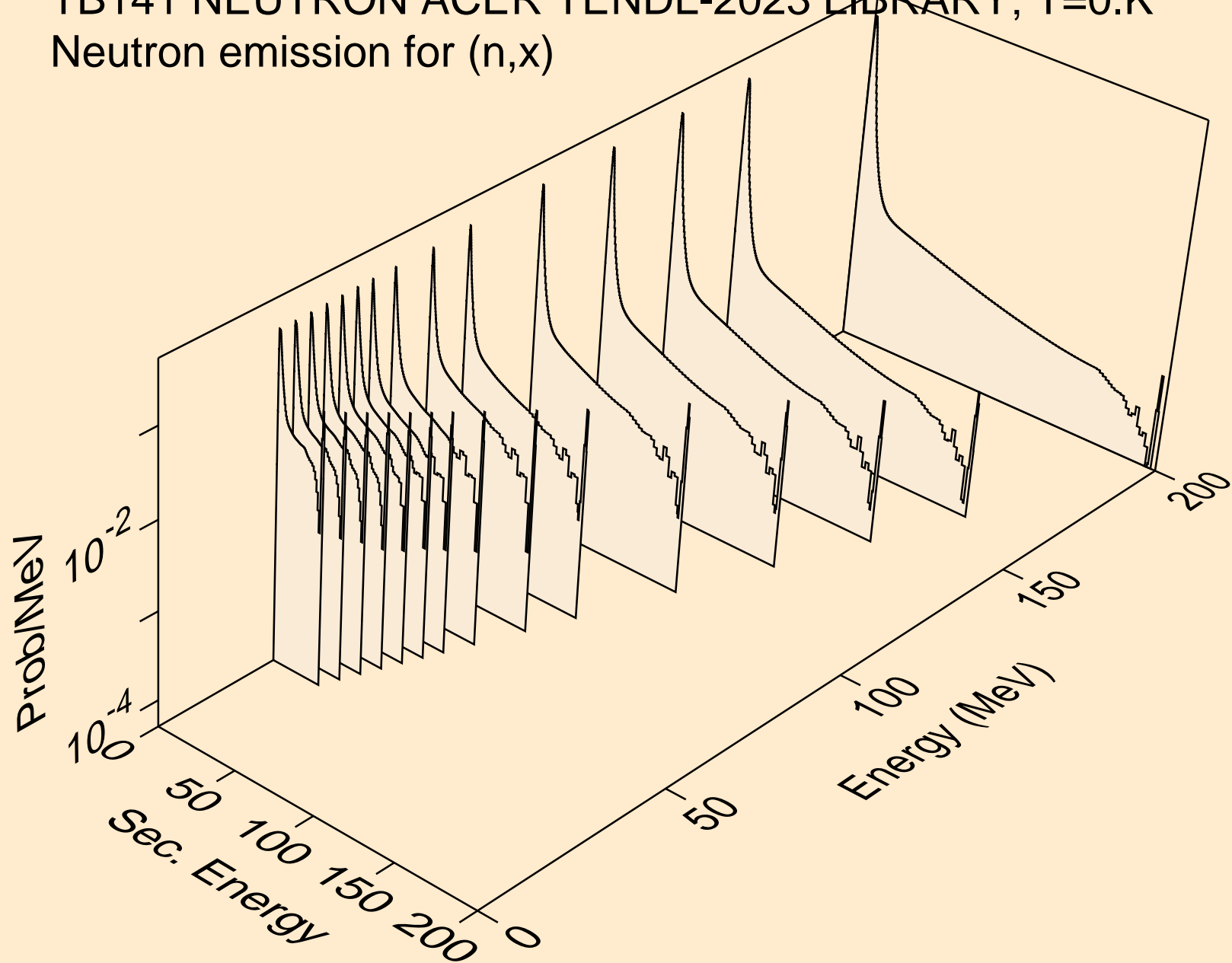
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angular distribution for (n,n\*19)



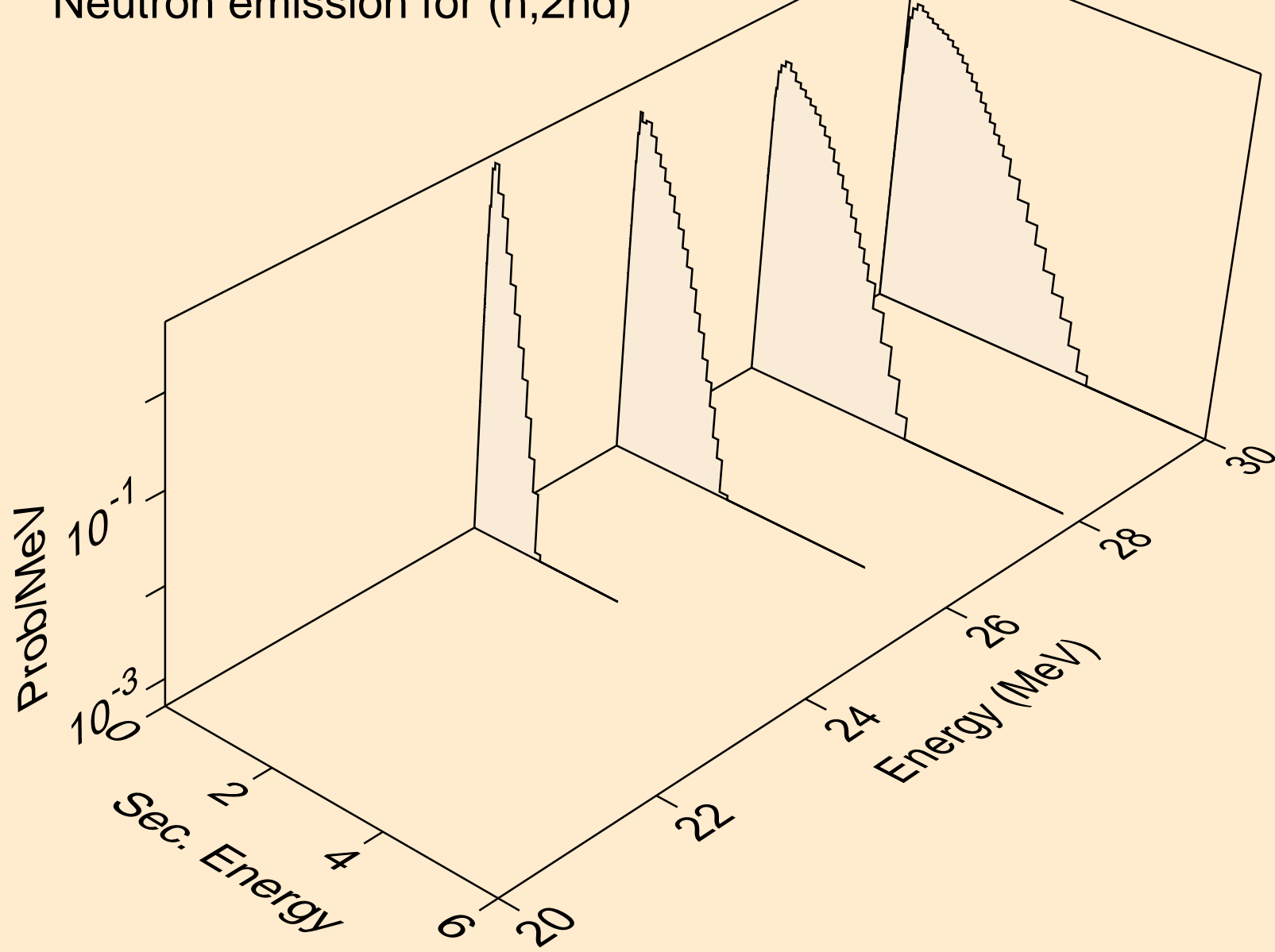
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angular distribution for (n,n\*20)



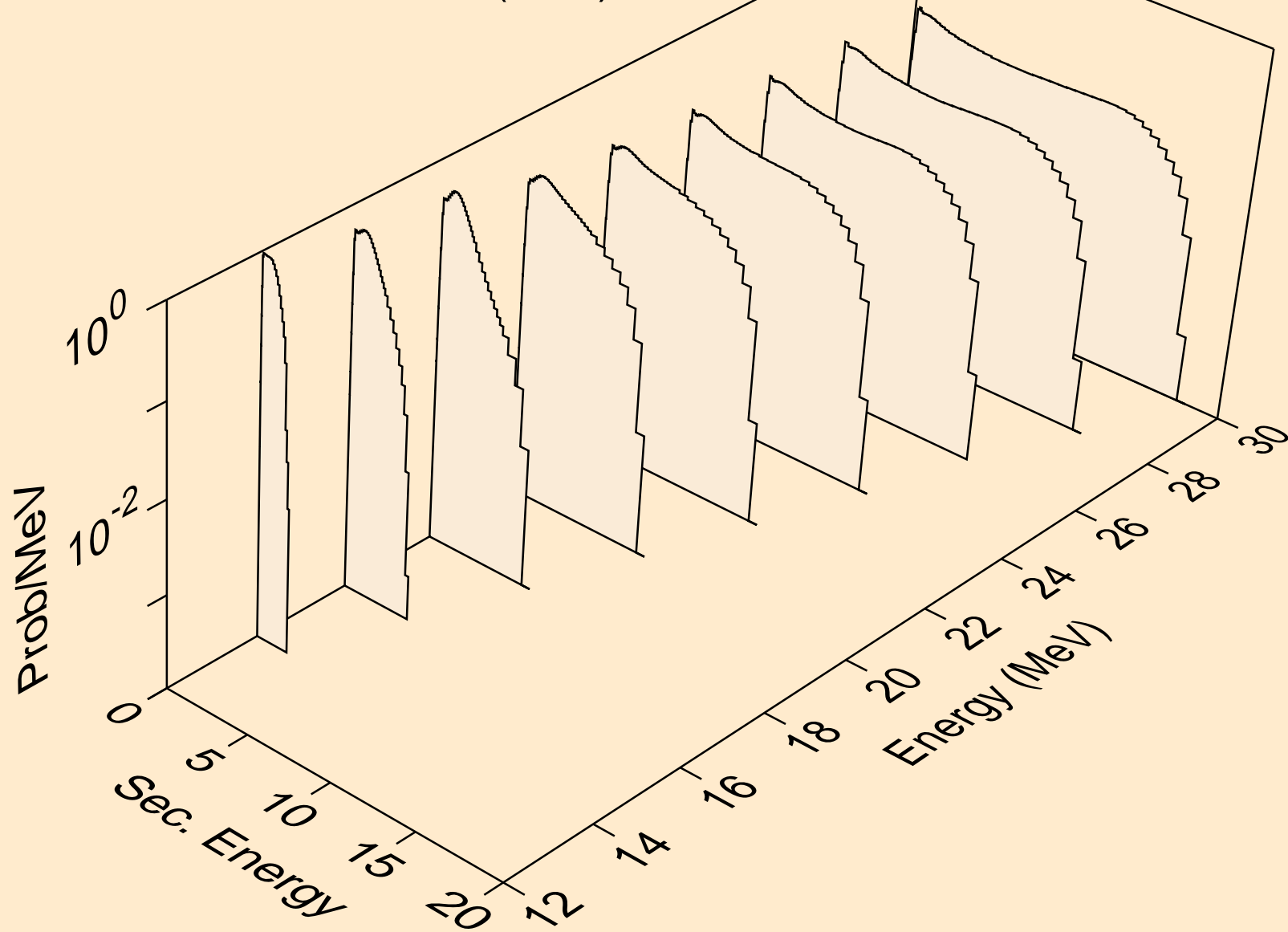
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Neutron emission for (n,x)



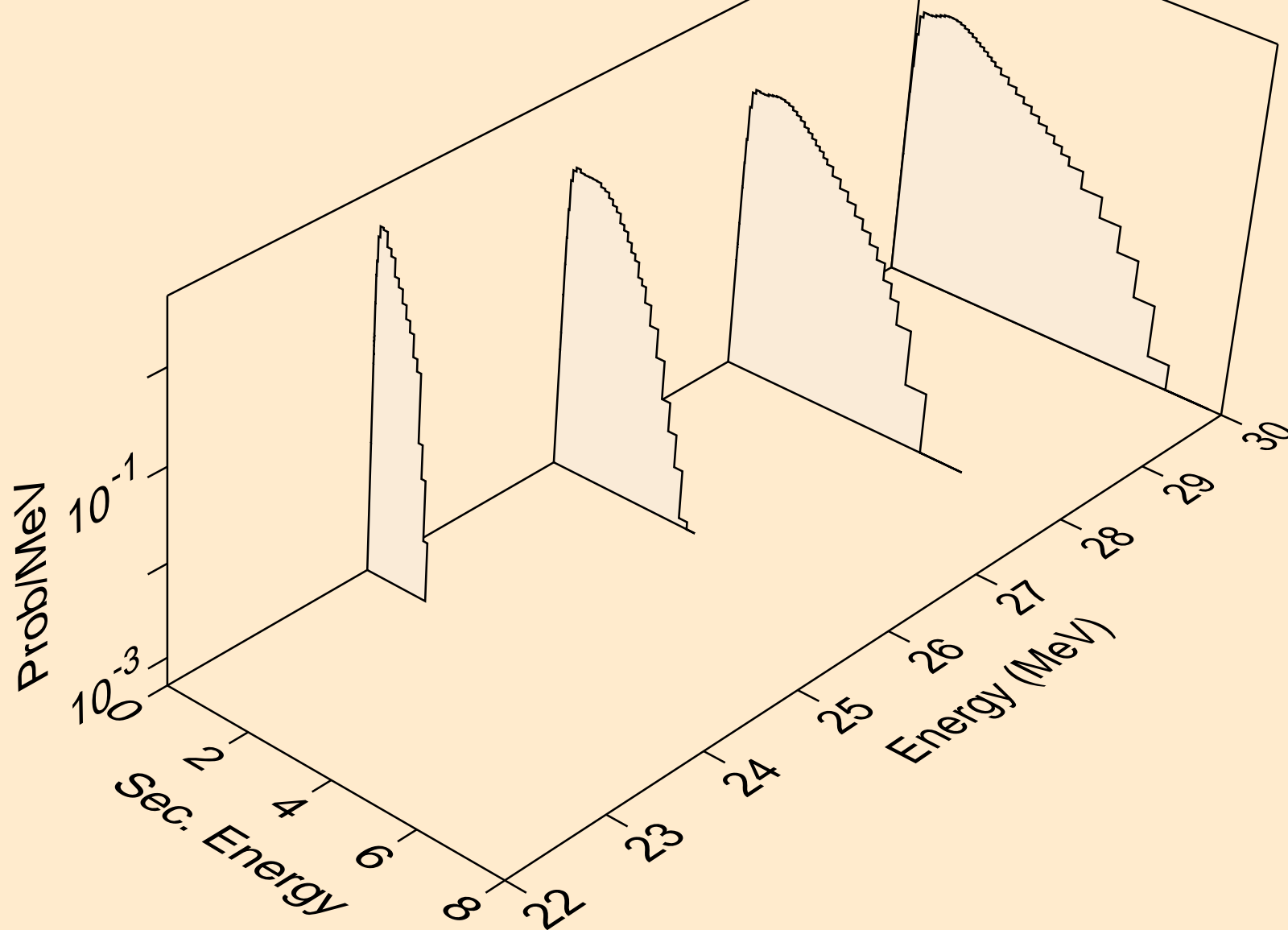
TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)

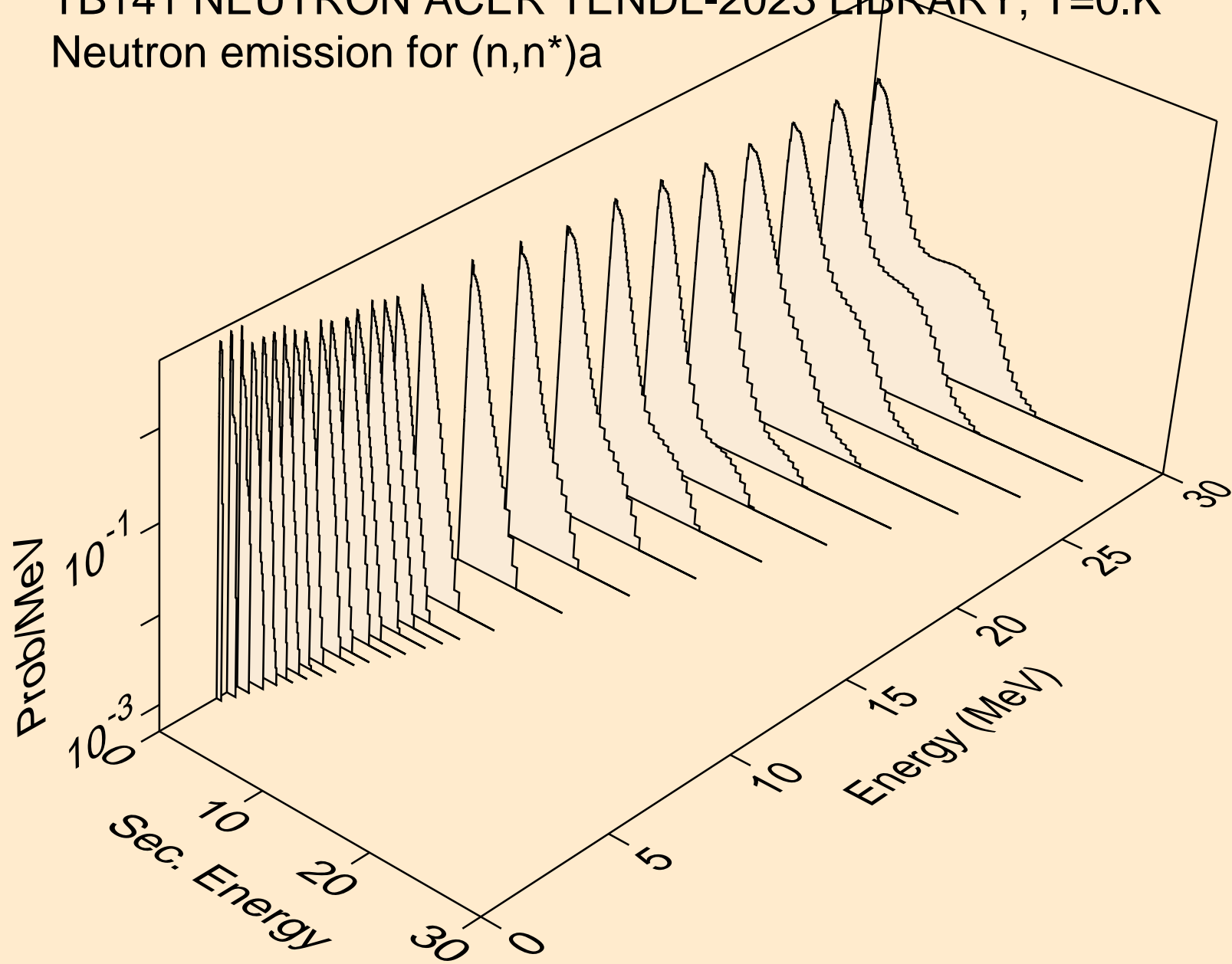


TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)

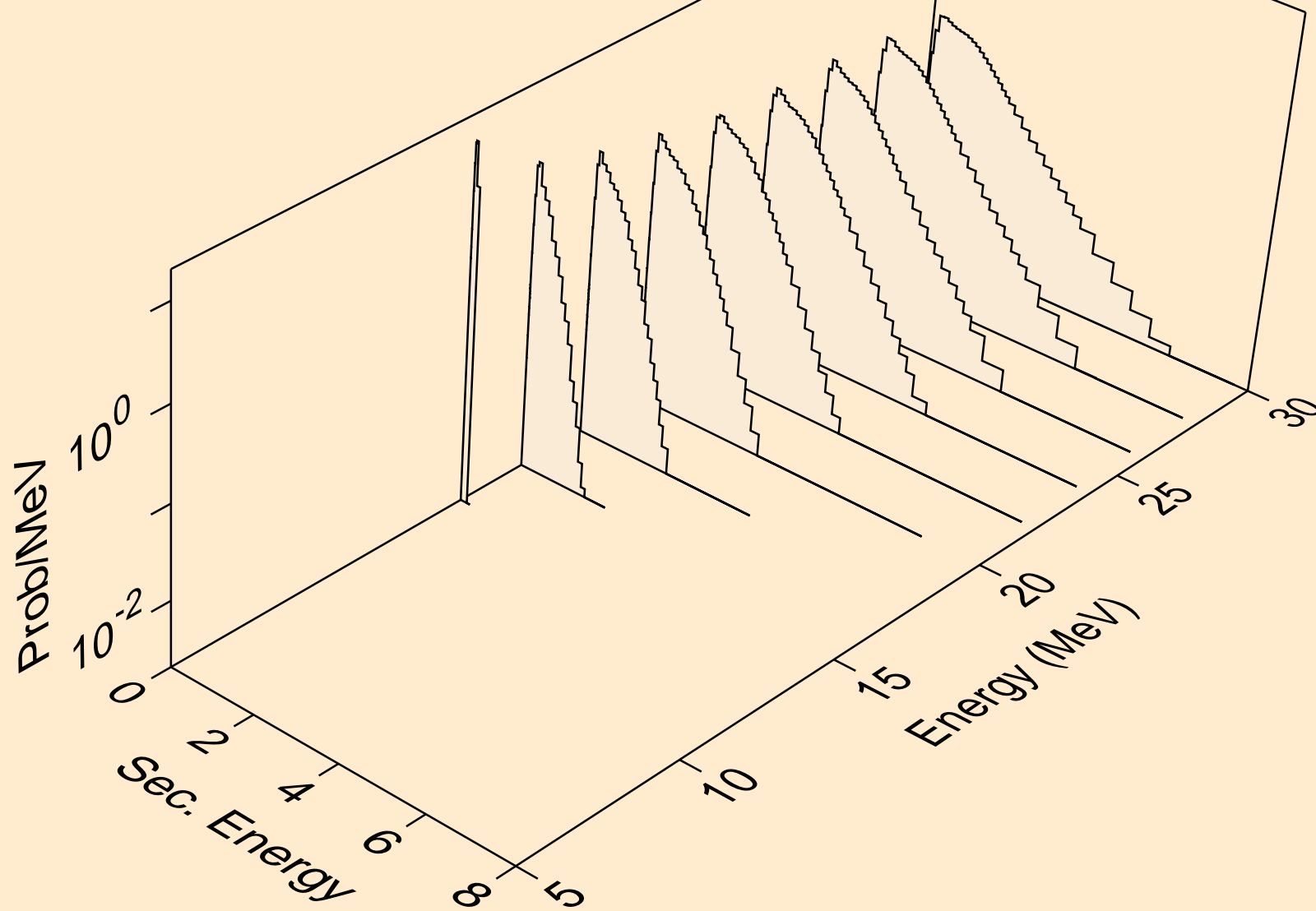




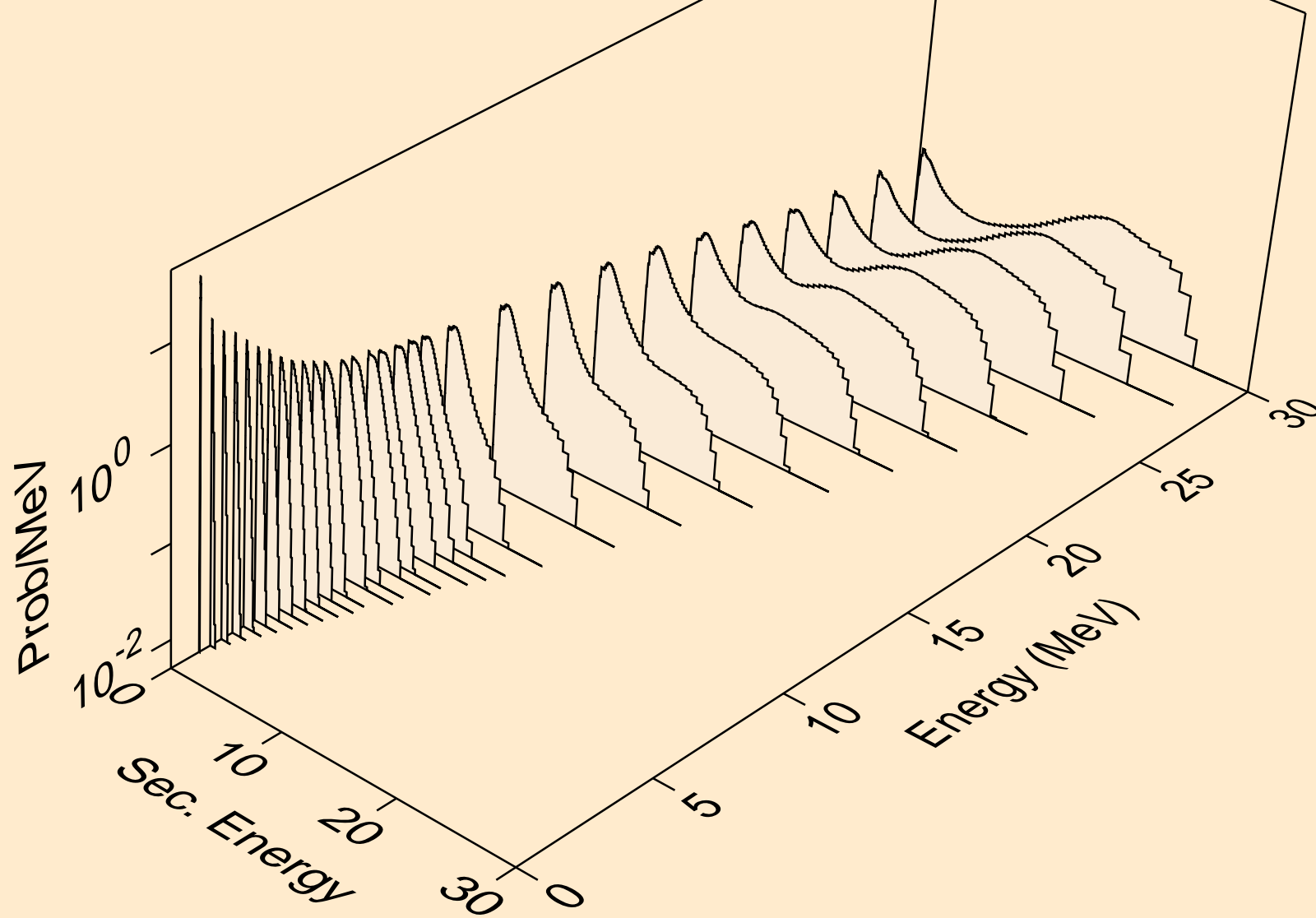
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Neutron emission for (n,n\*)a



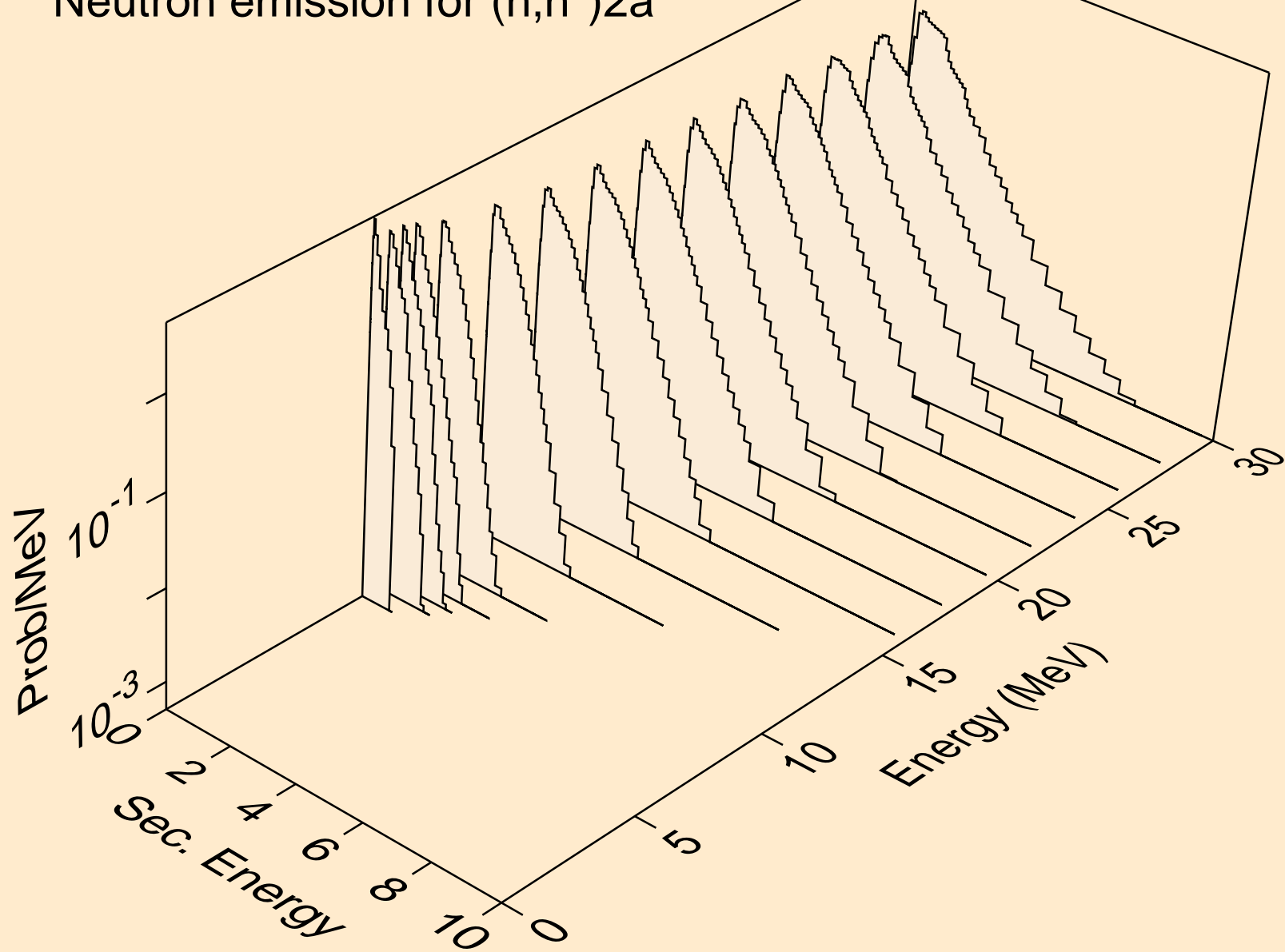
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Neutron emission for (n,2n)a



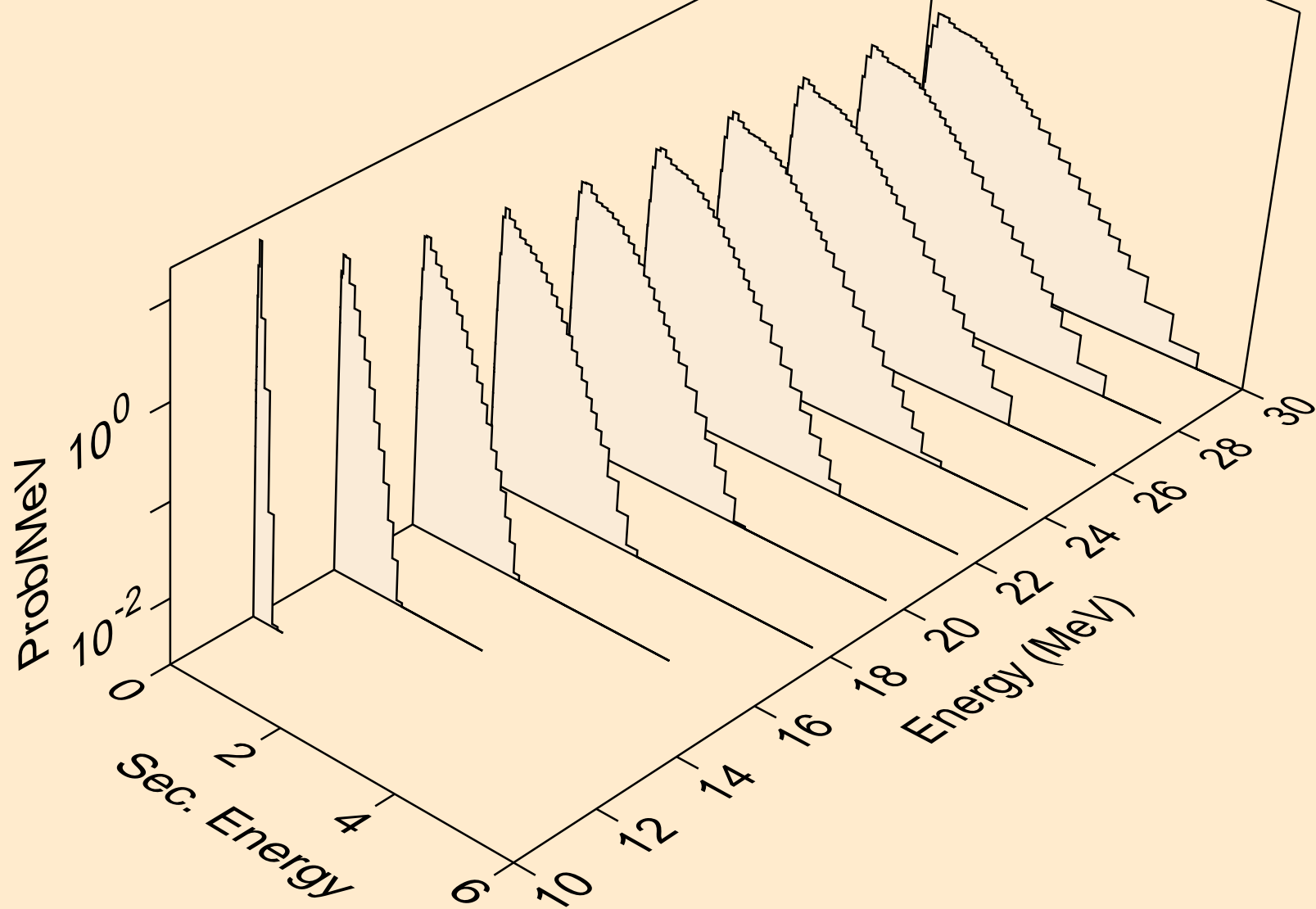
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Neutron emission for (n,n\*)p



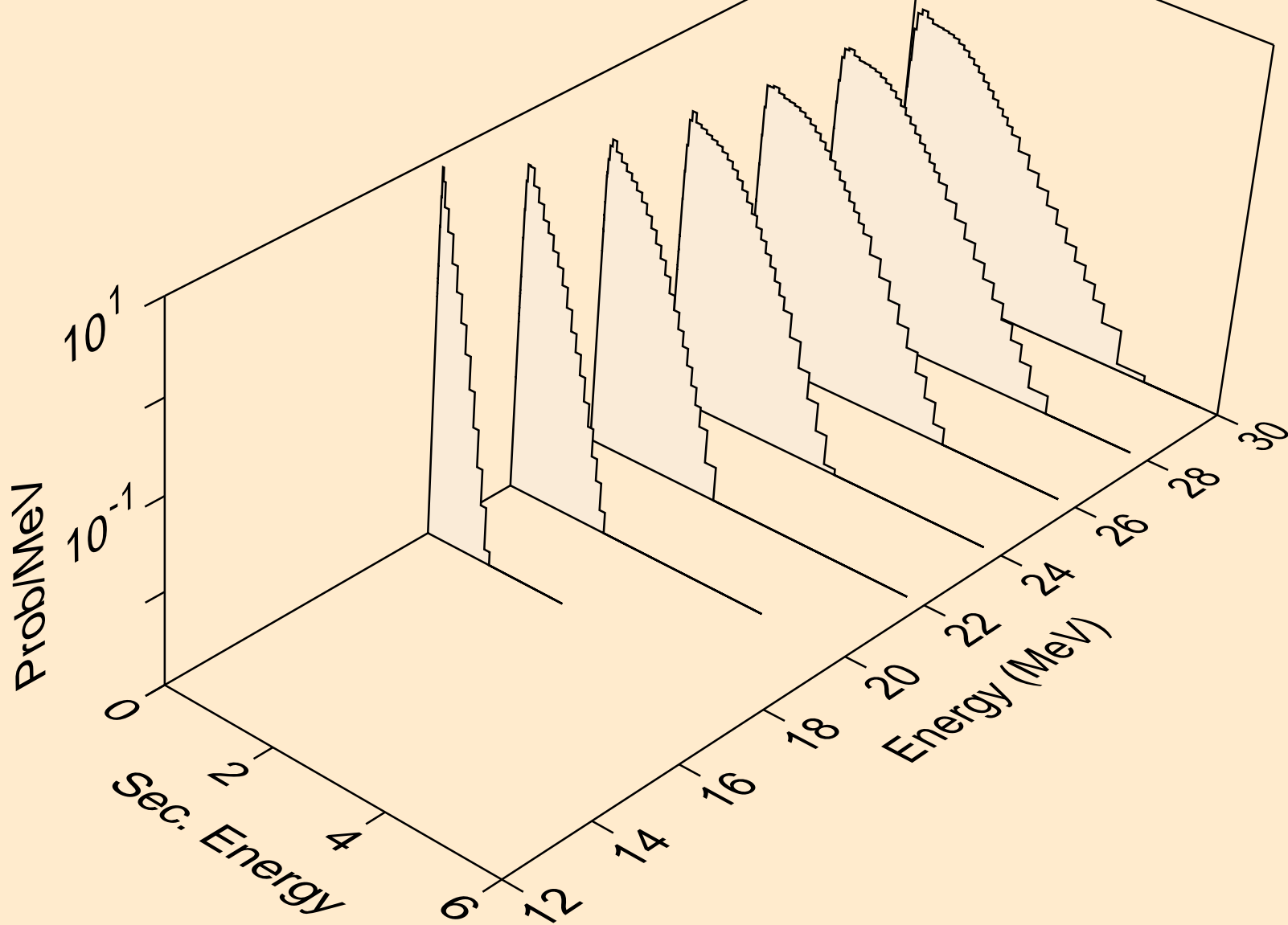
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Neutron emission for (n,n\*)2a



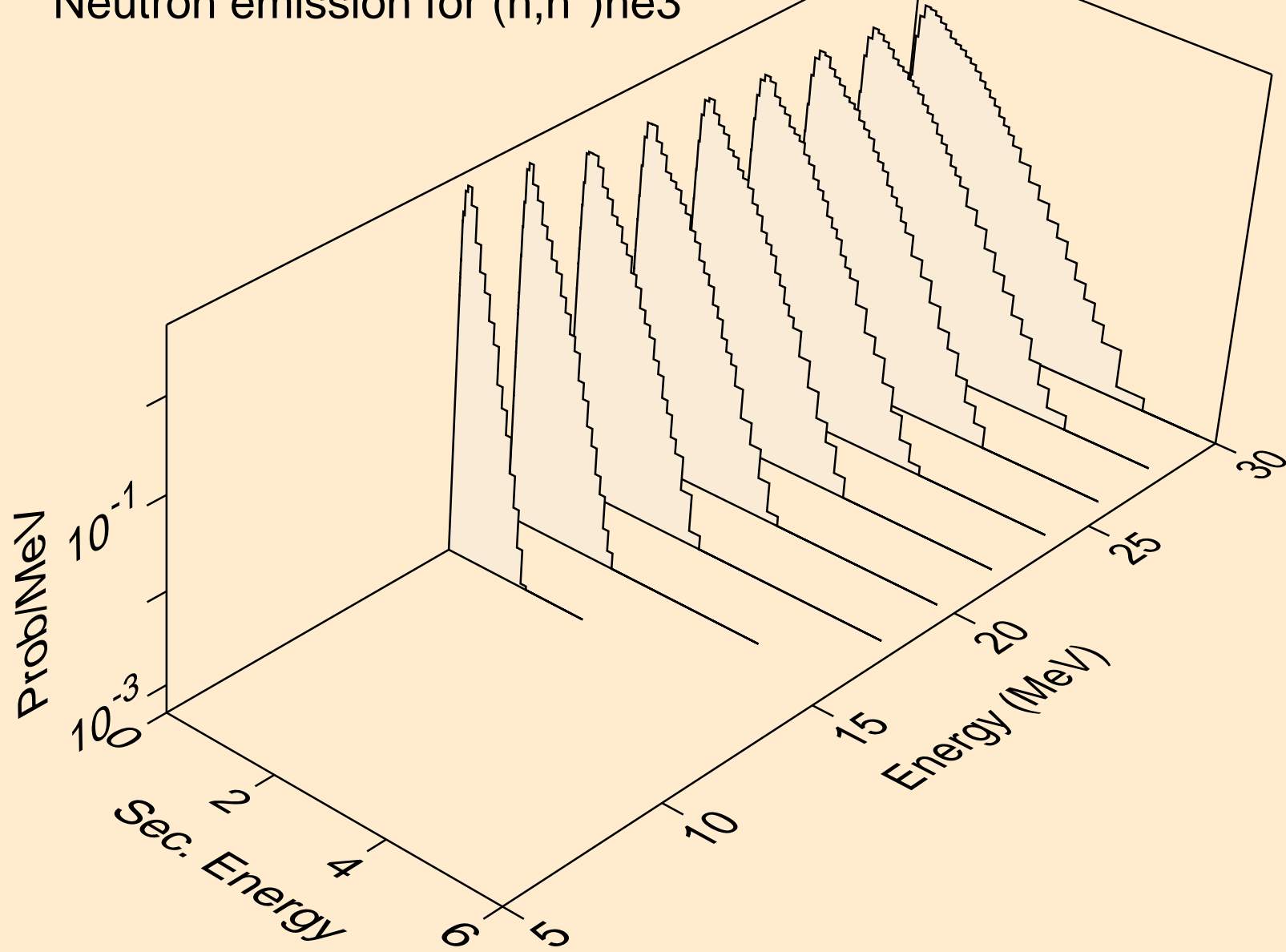
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Neutron emission for (n,n\*)d



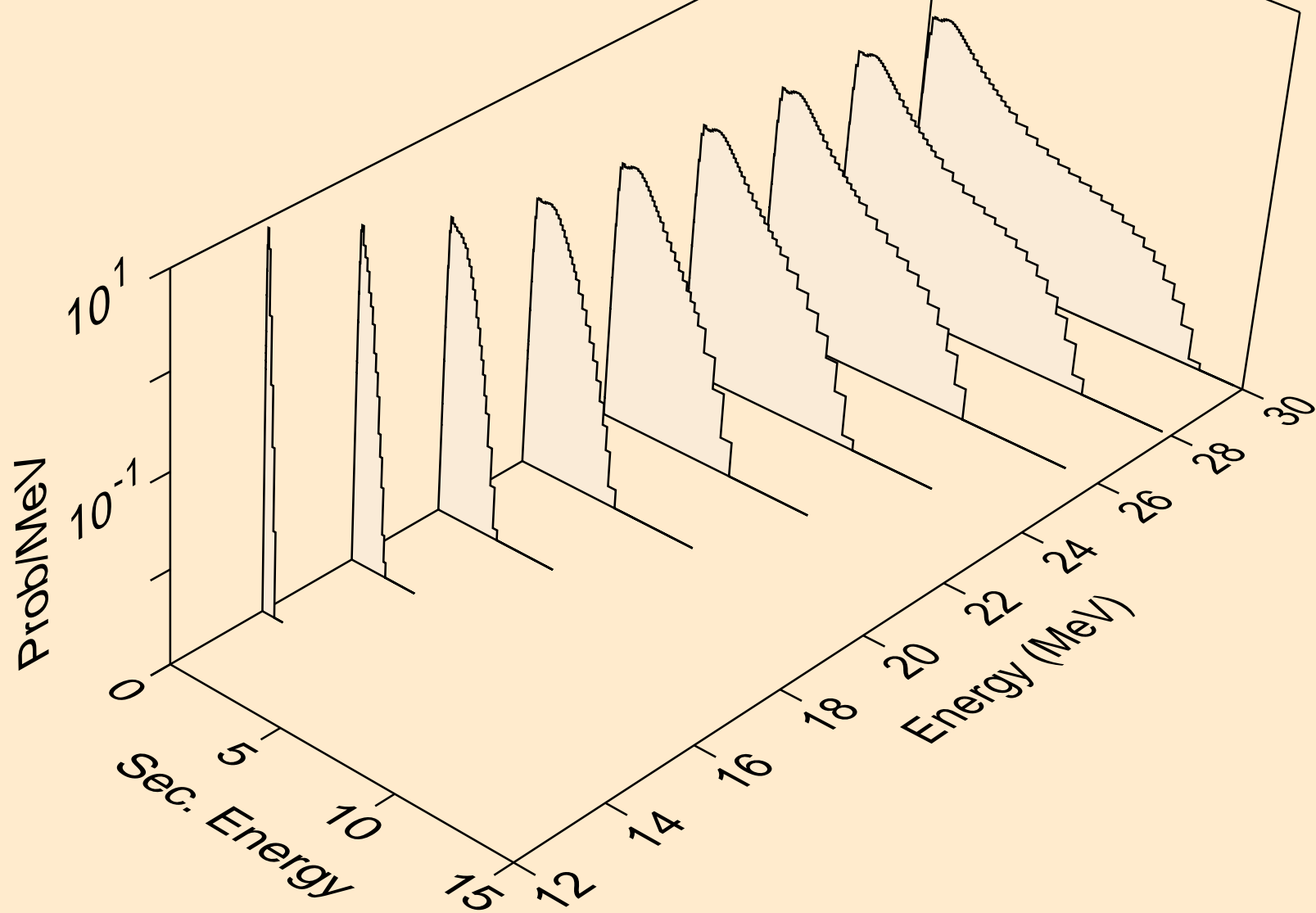
TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

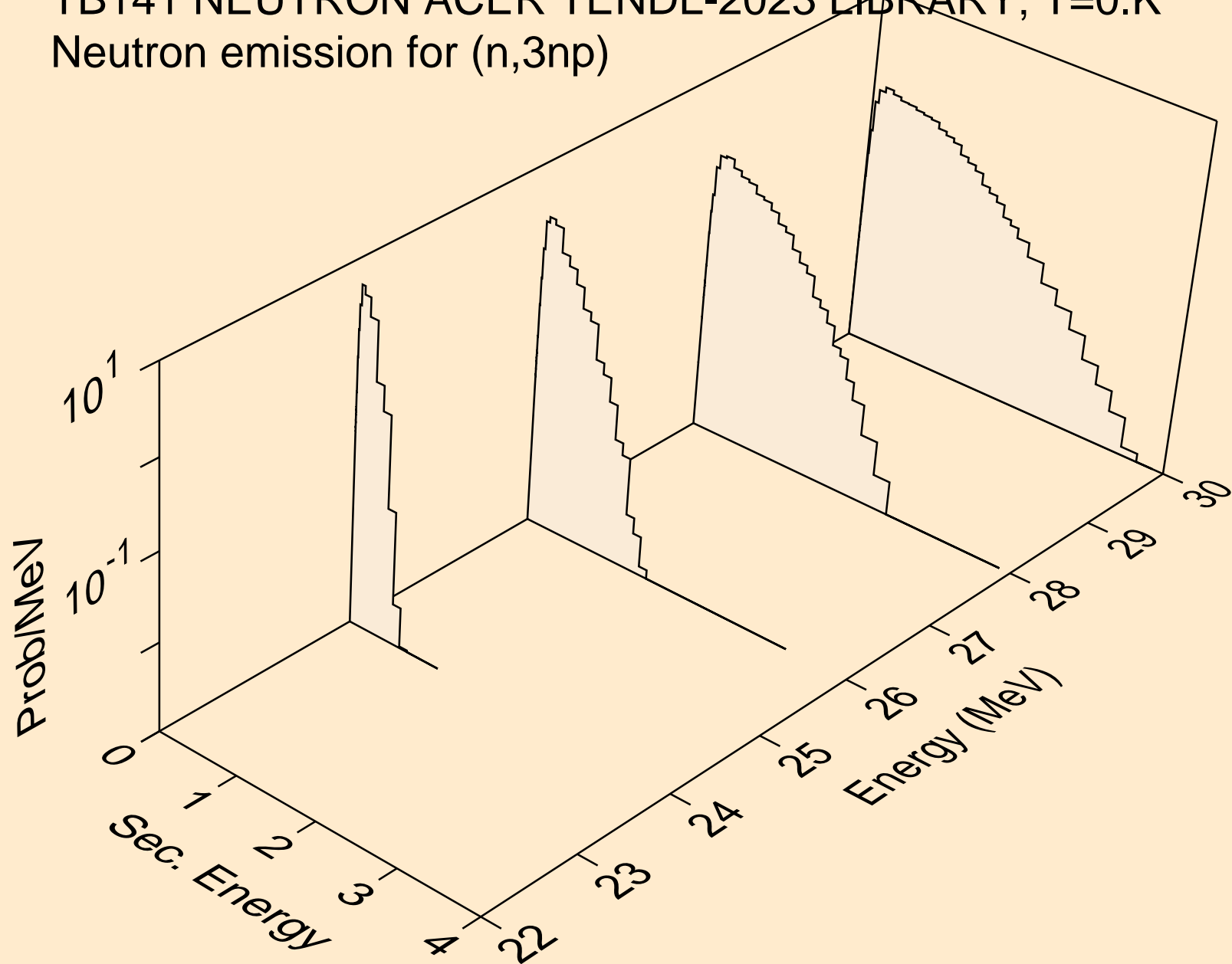


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Neutron emission for (n,2np)

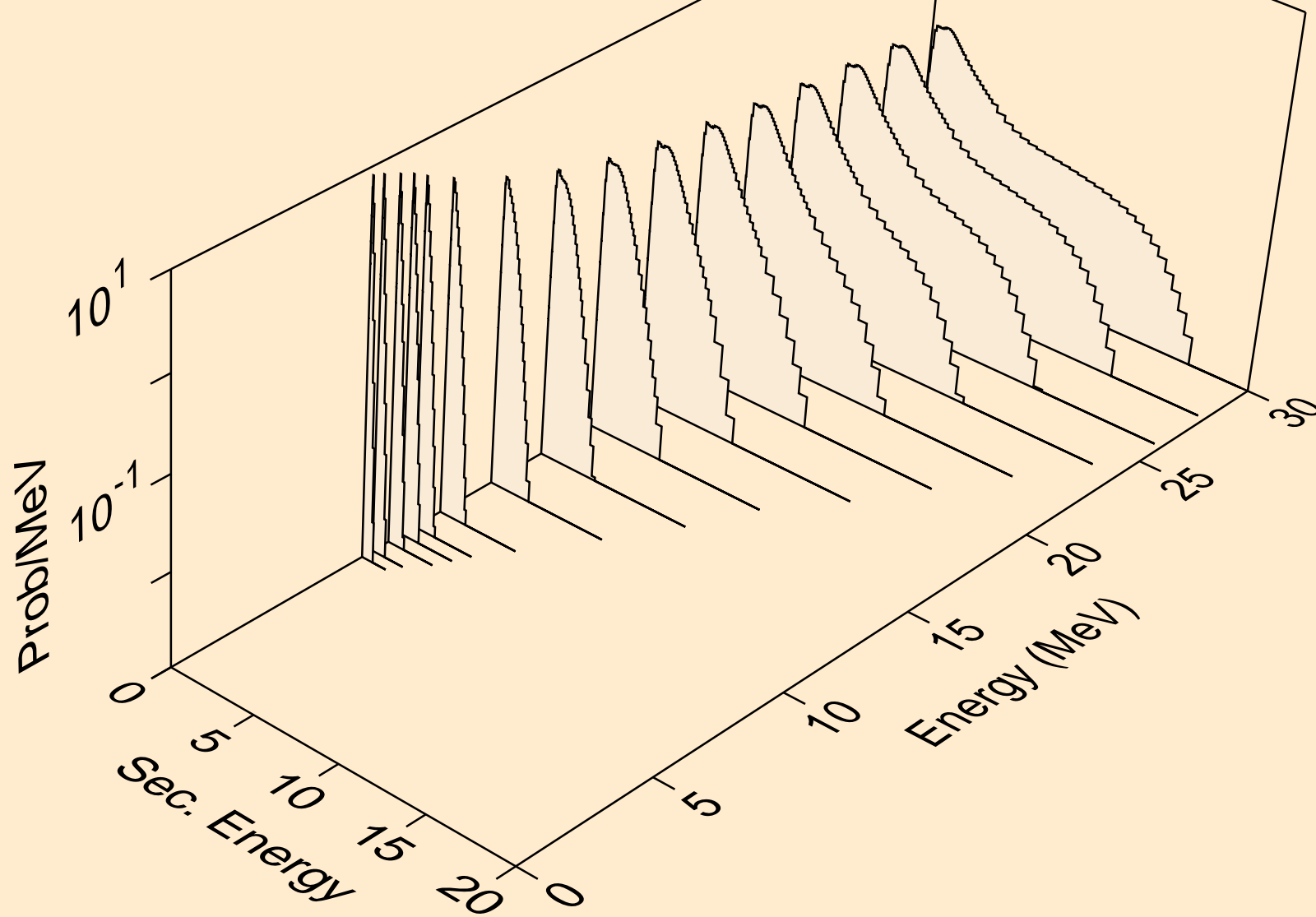




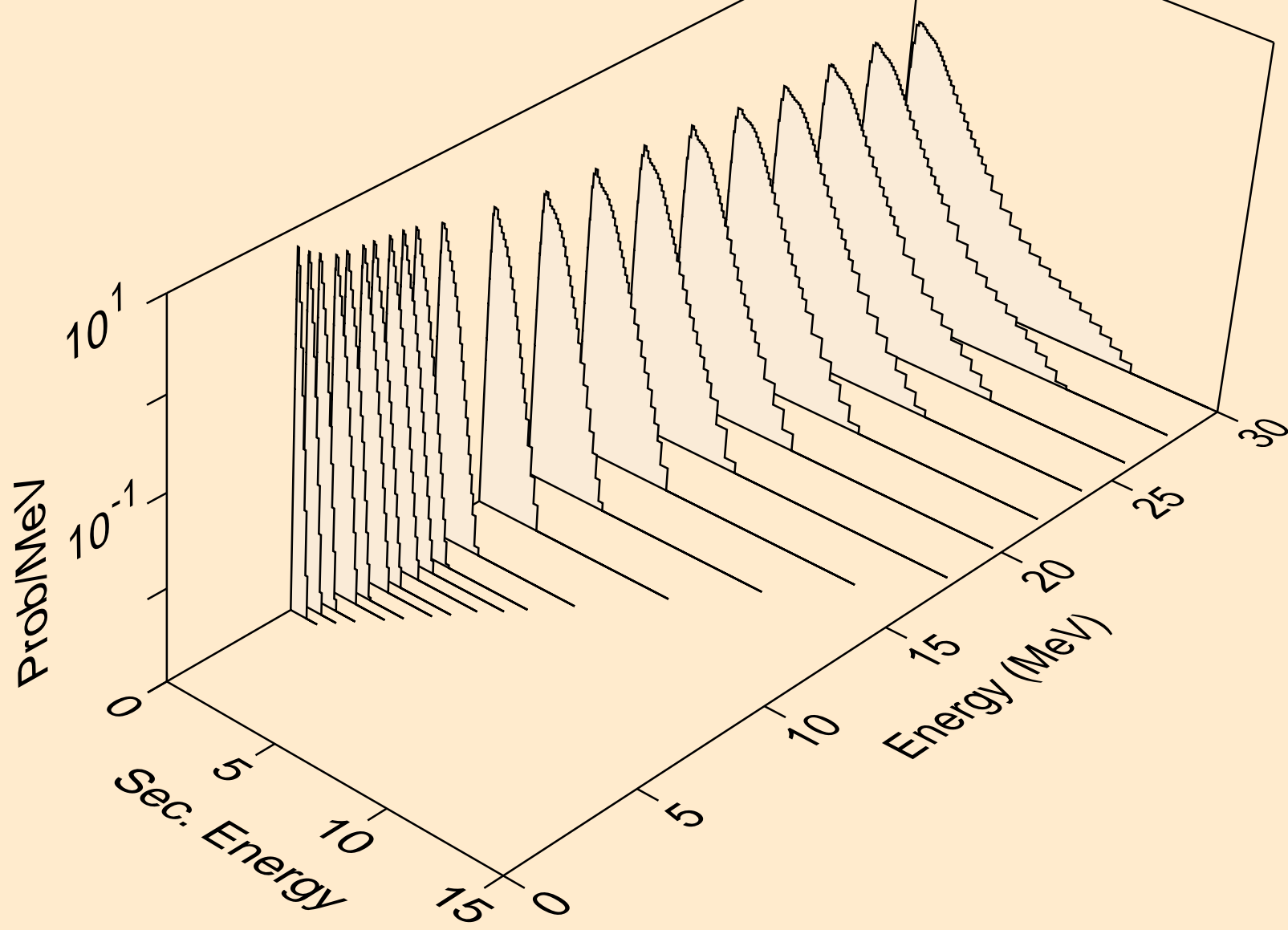
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Neutron emission for (n,3np)



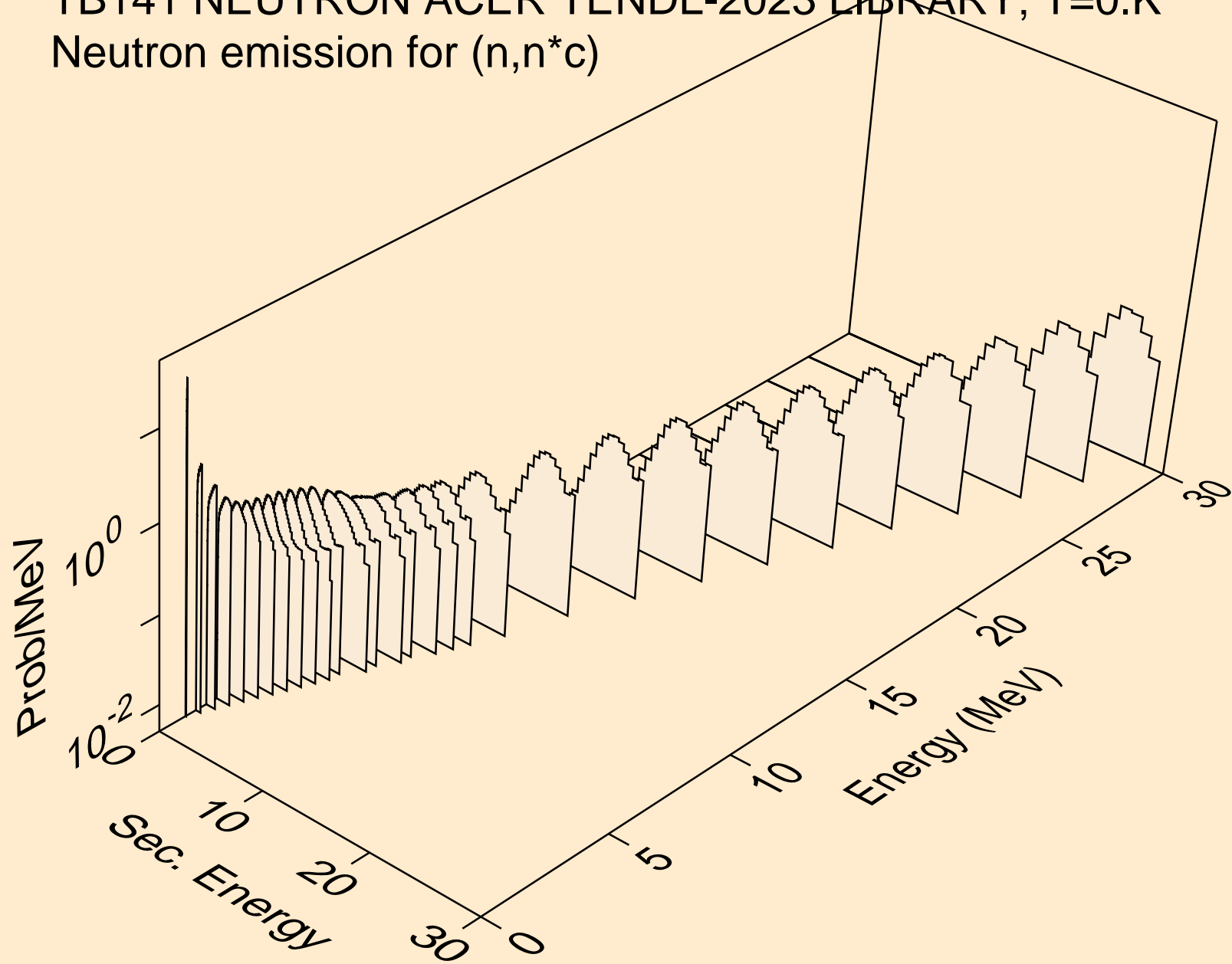
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Neutron emission for (n,n2p)



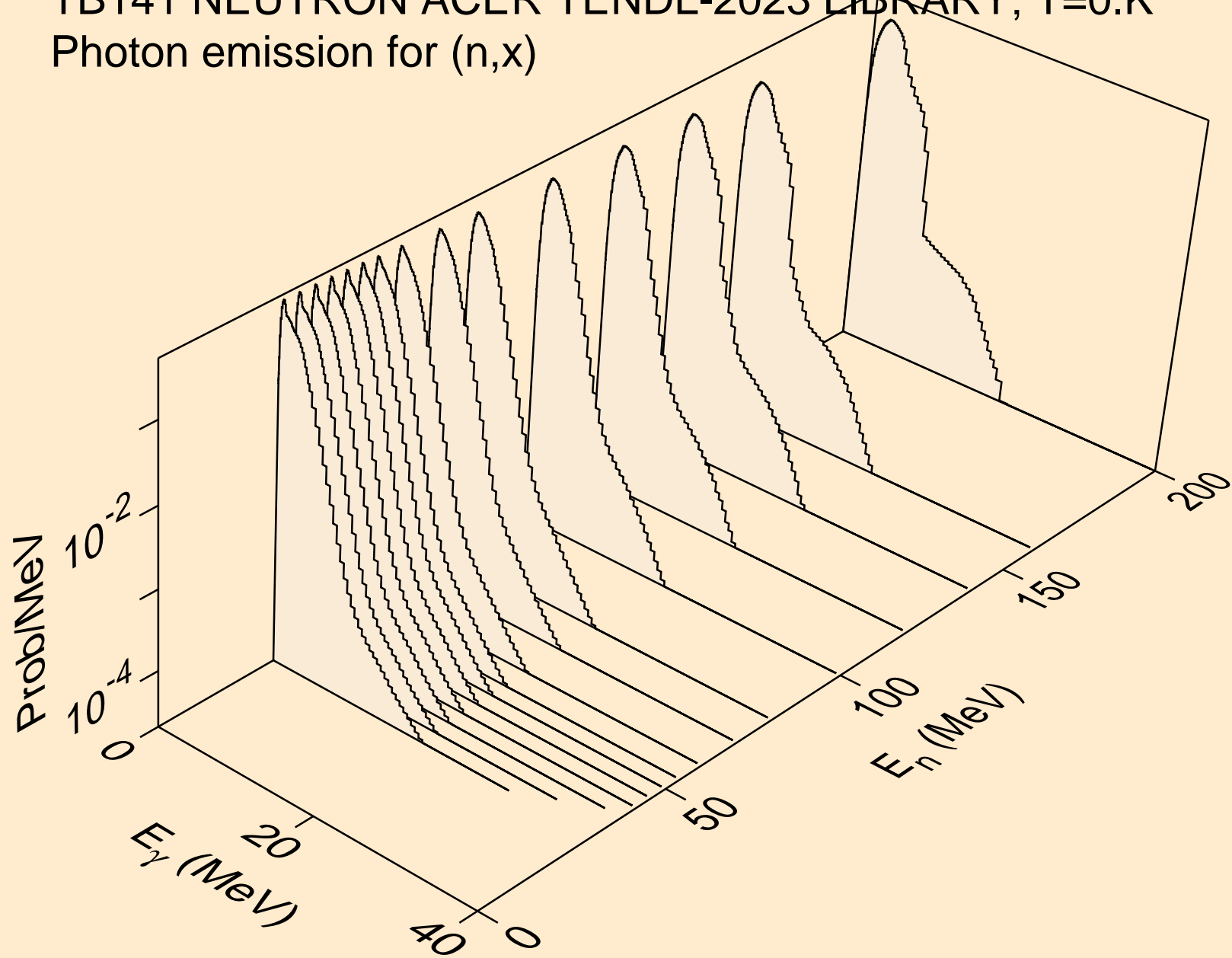
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Neutron emission for (n,npa)



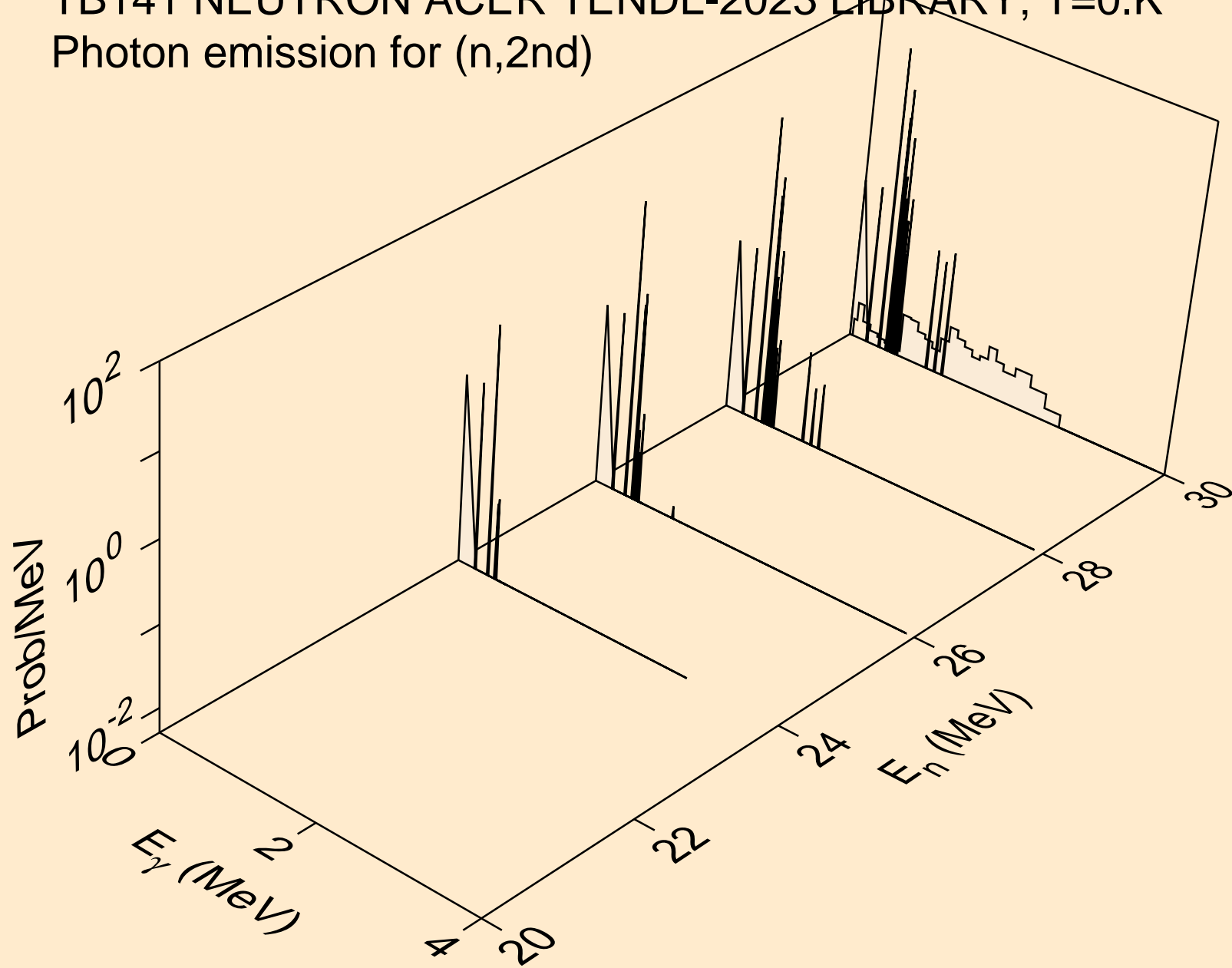
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Neutron emission for (n,n\*c)



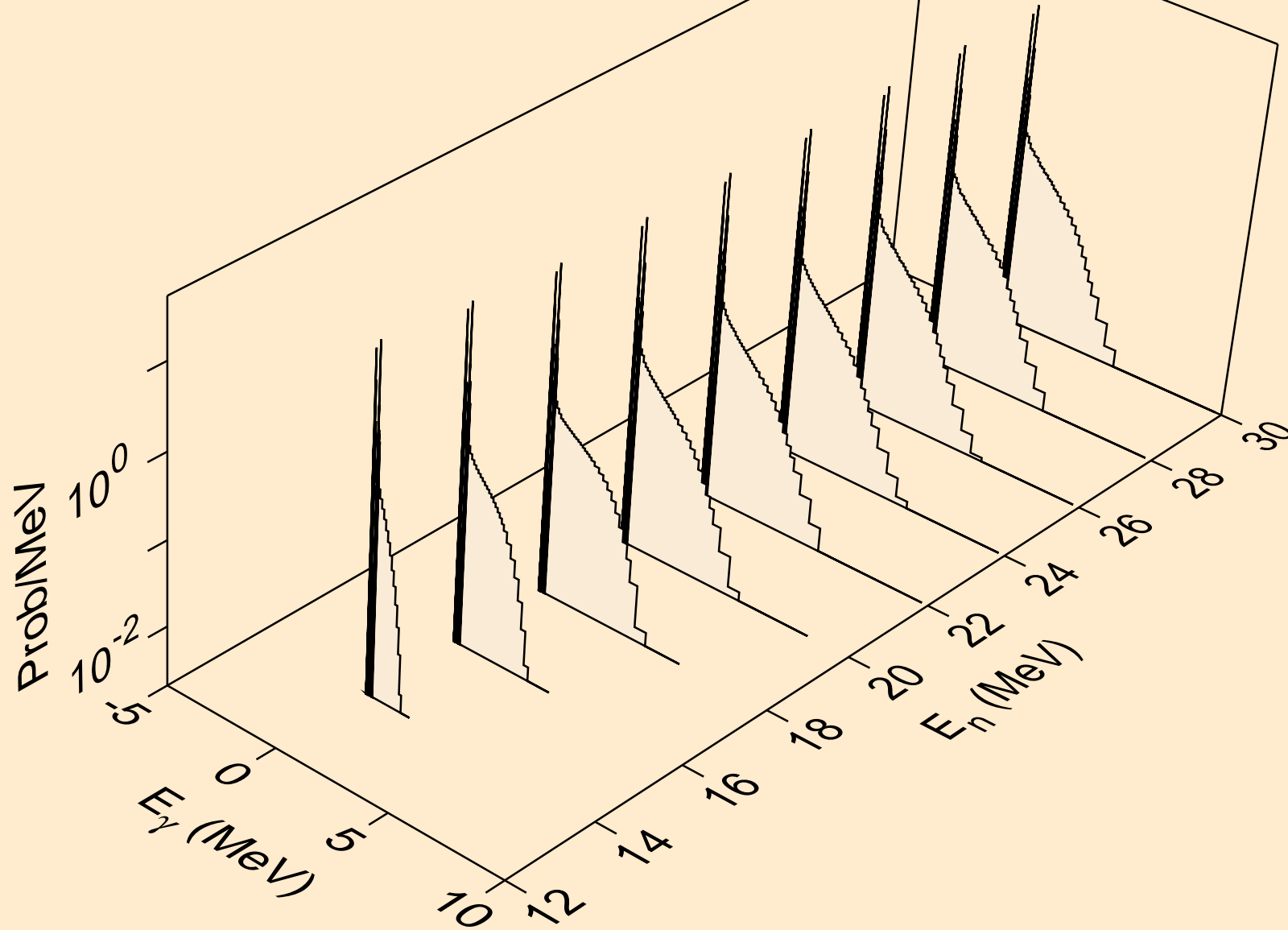
TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



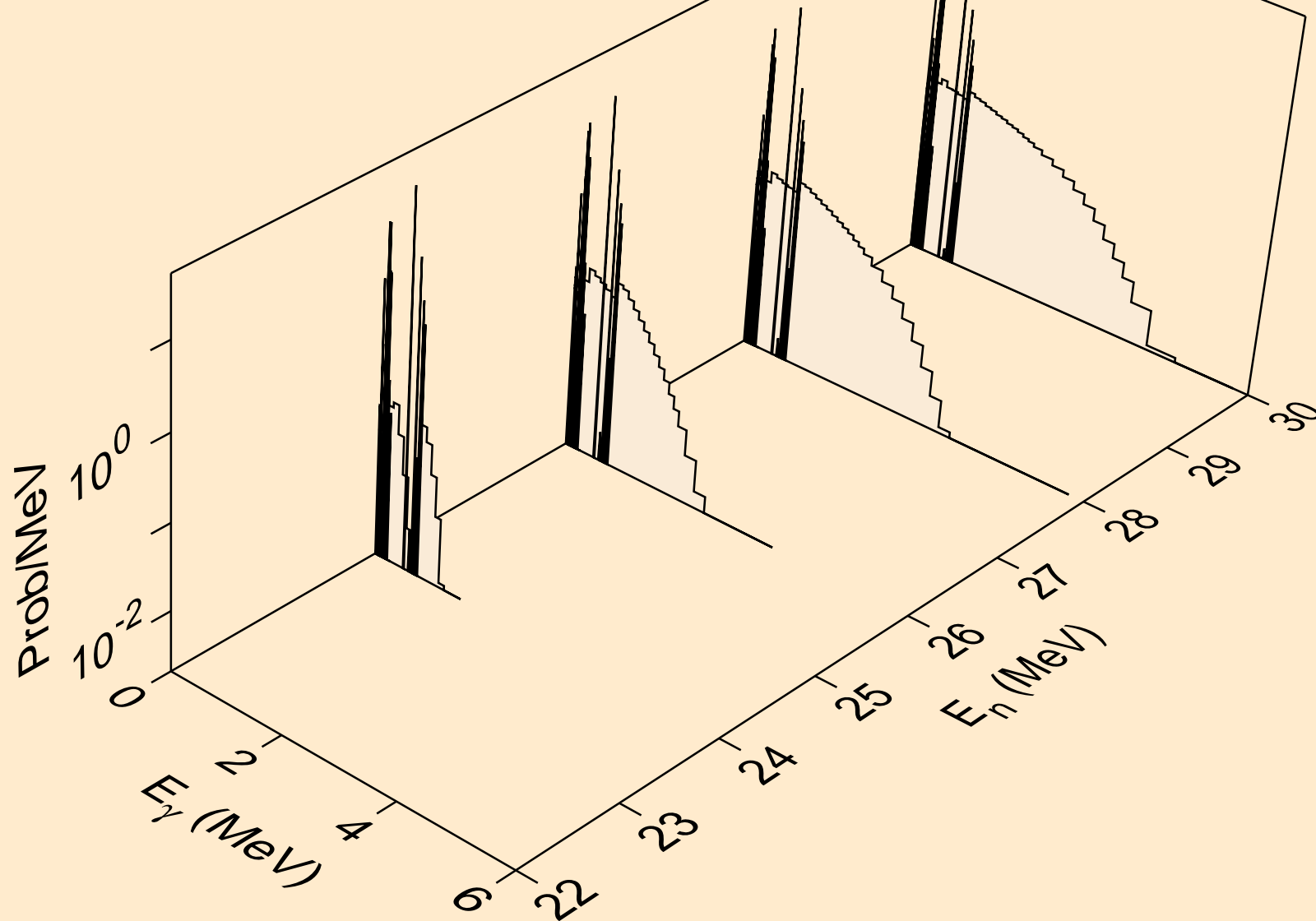
TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

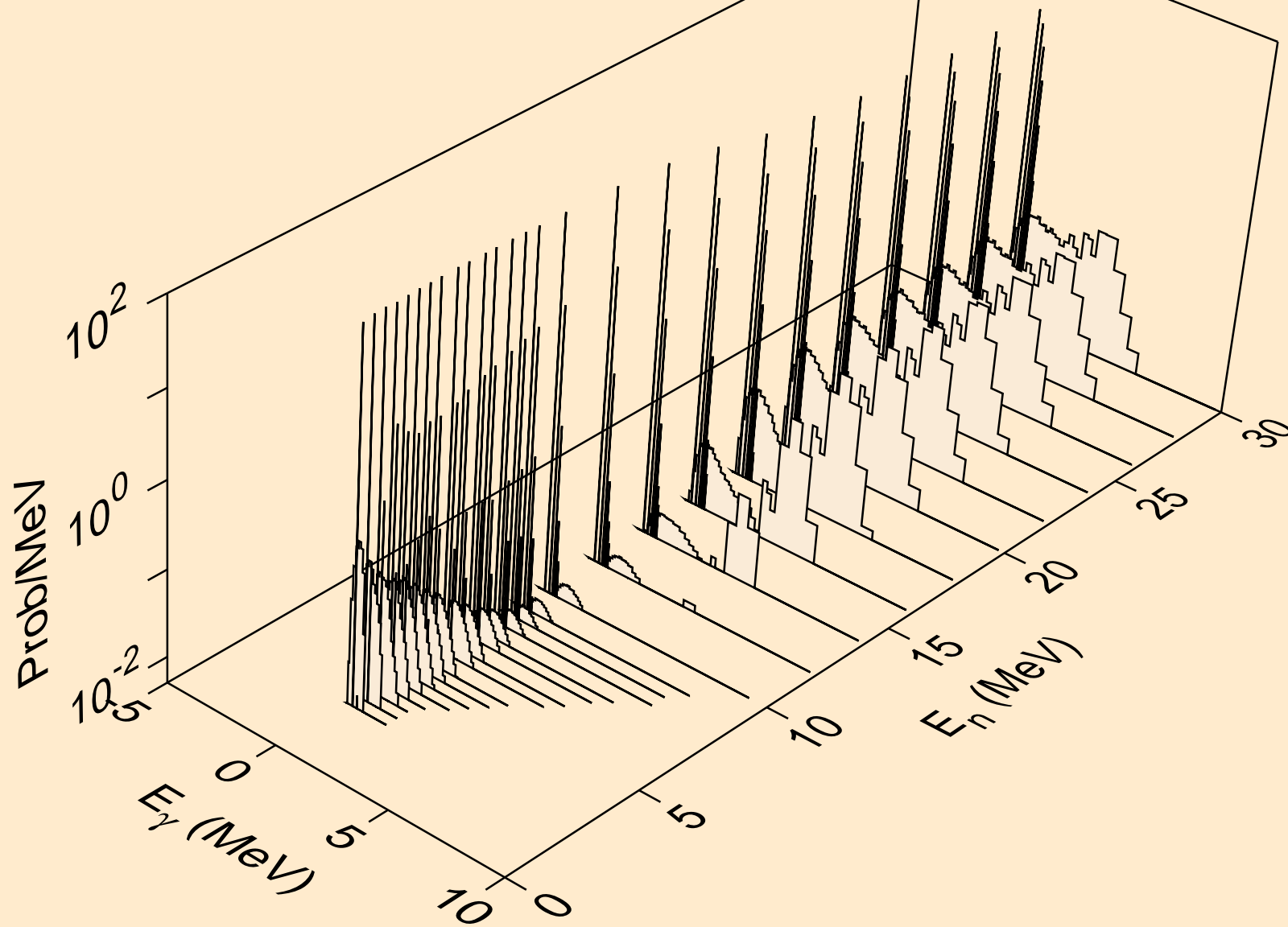


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Photon emission for (n,3n)

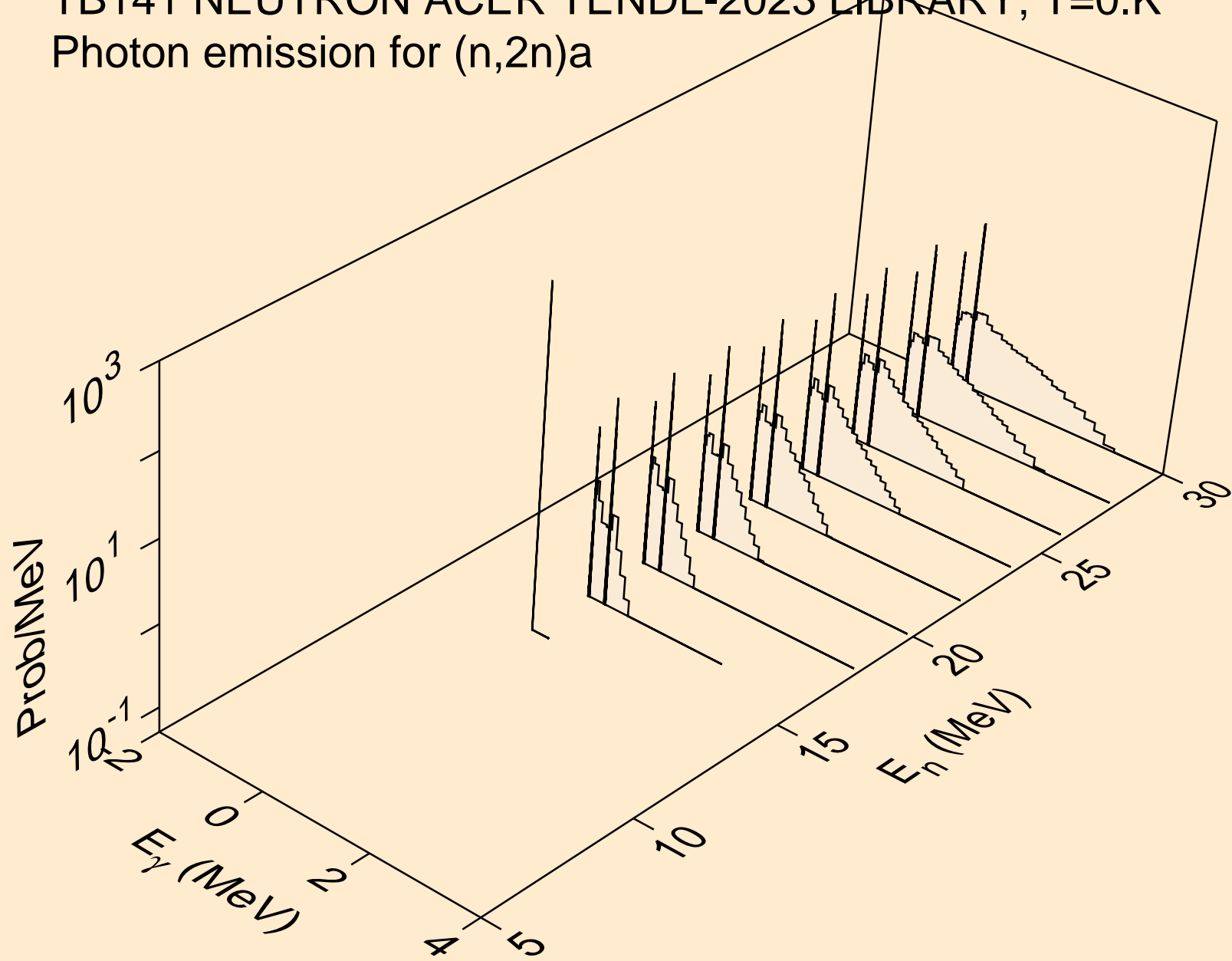




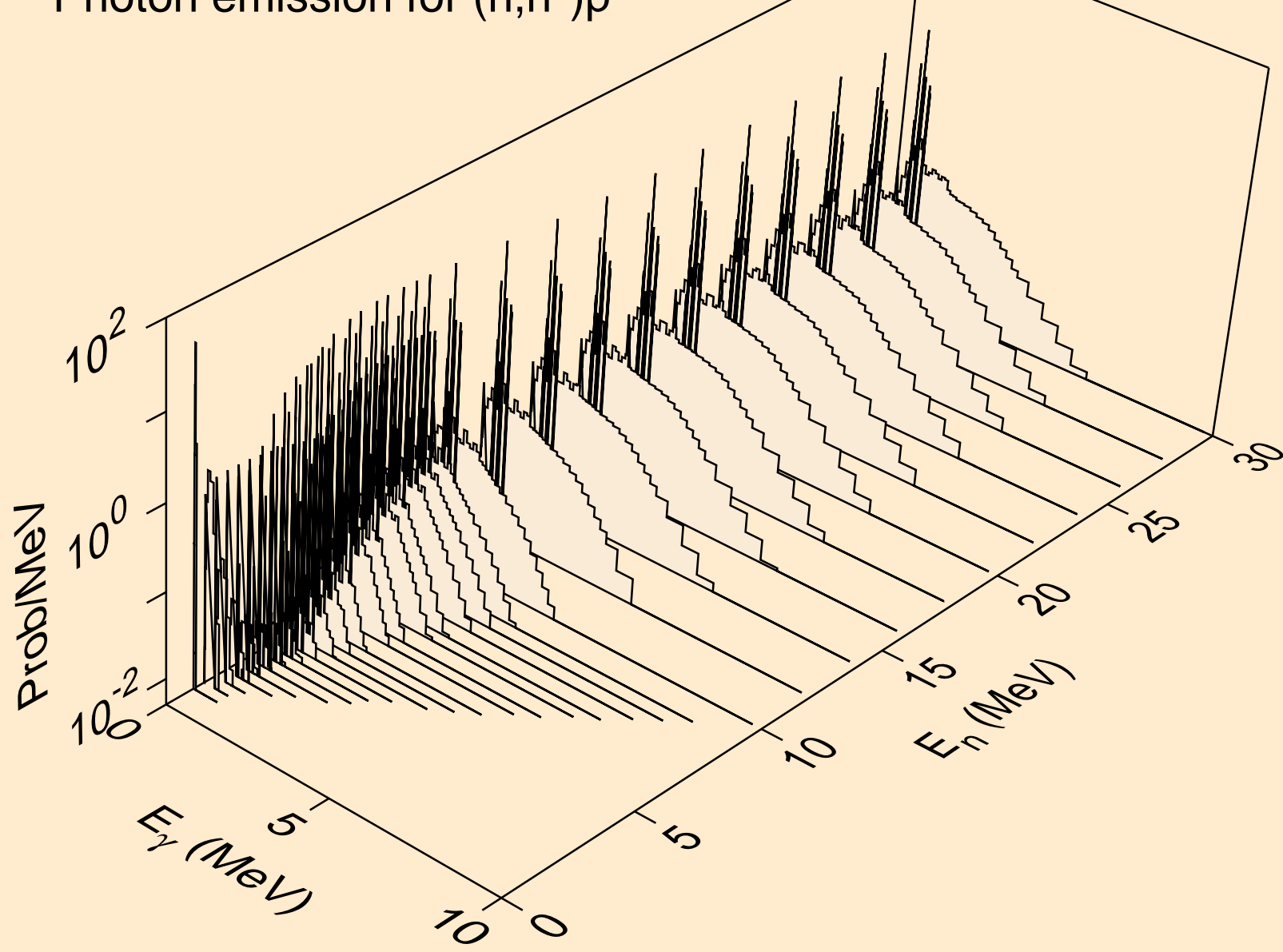
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Photon emission for (n,n\*)a



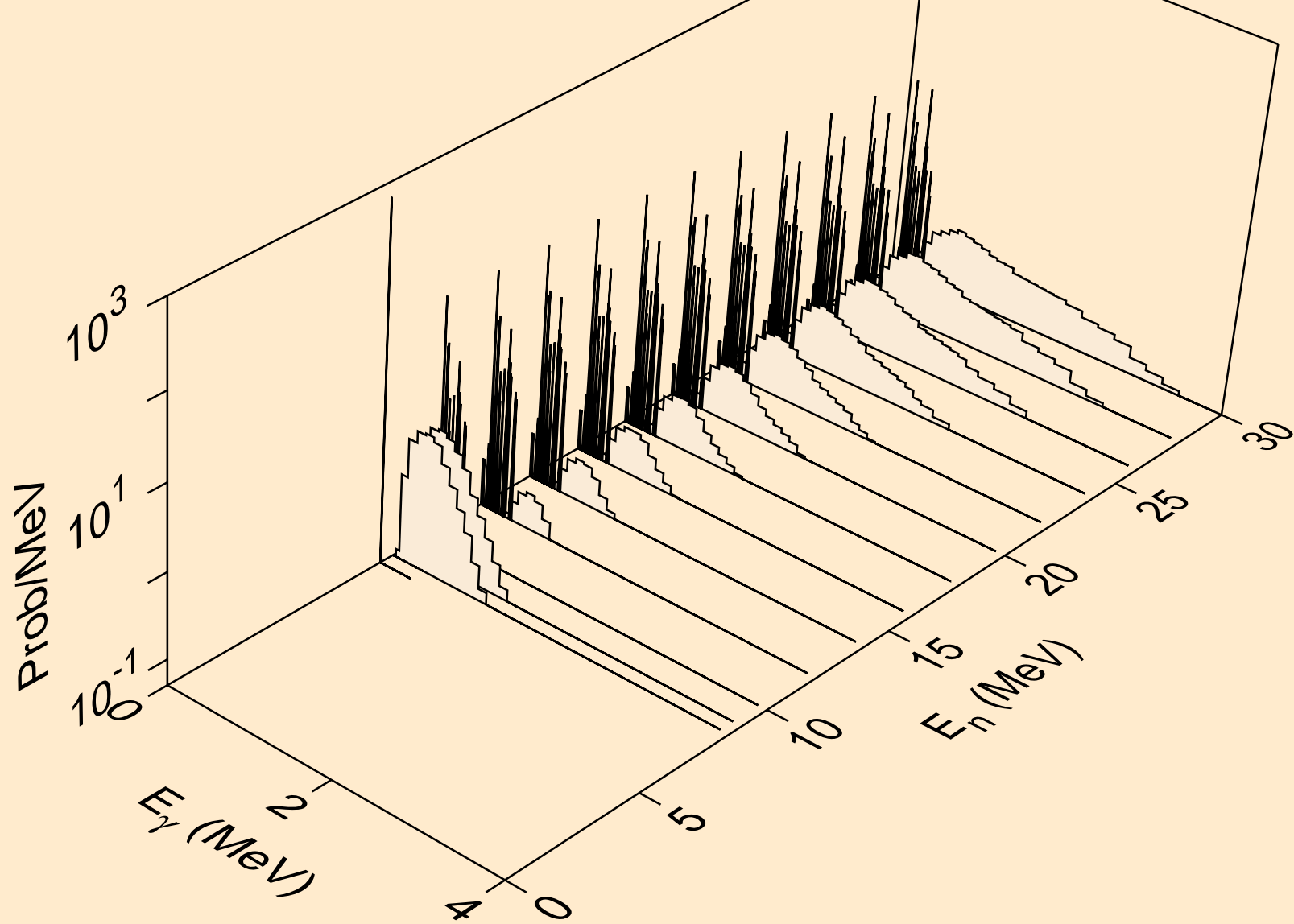
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Photon emission for (n,2n)a



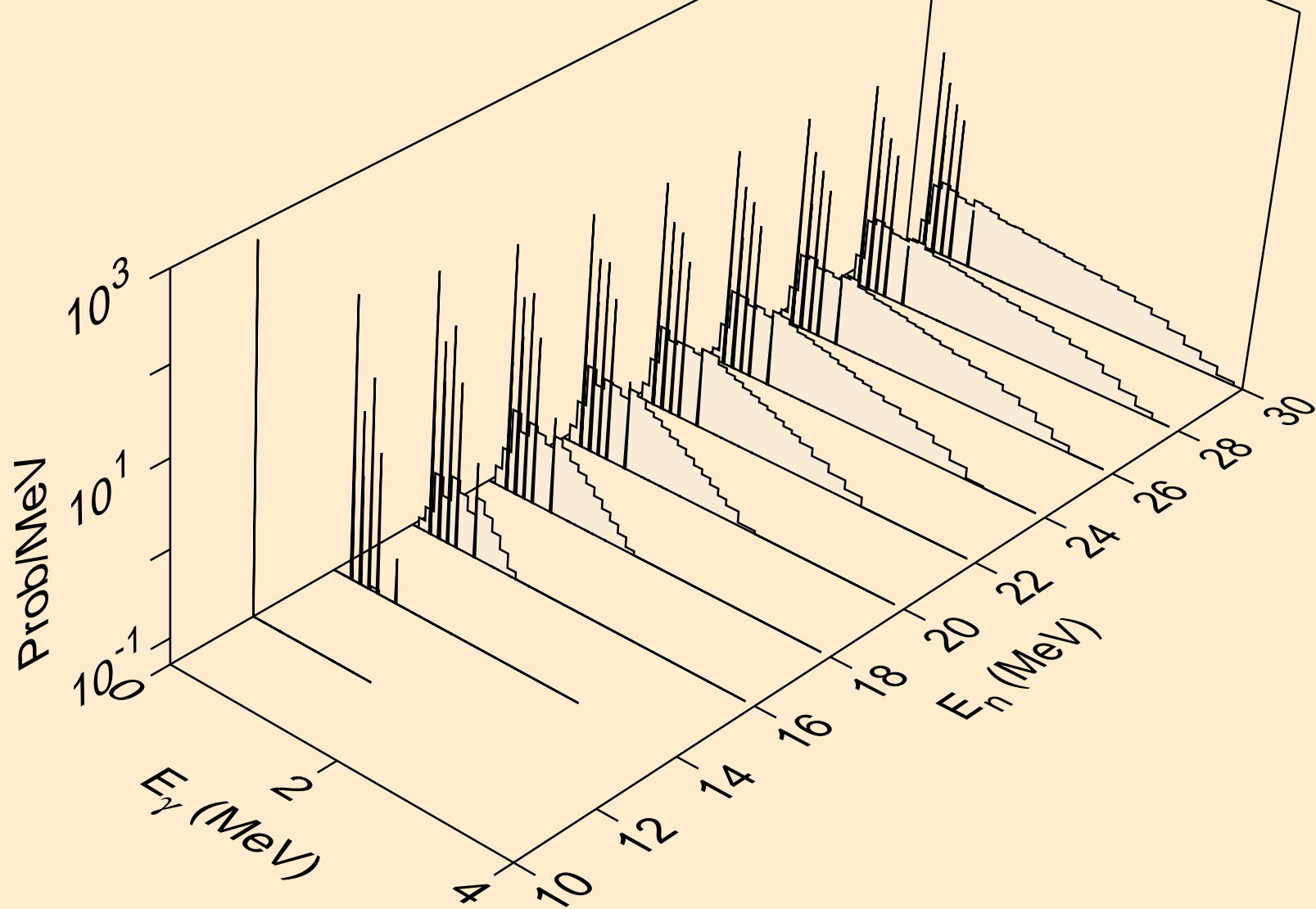
TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



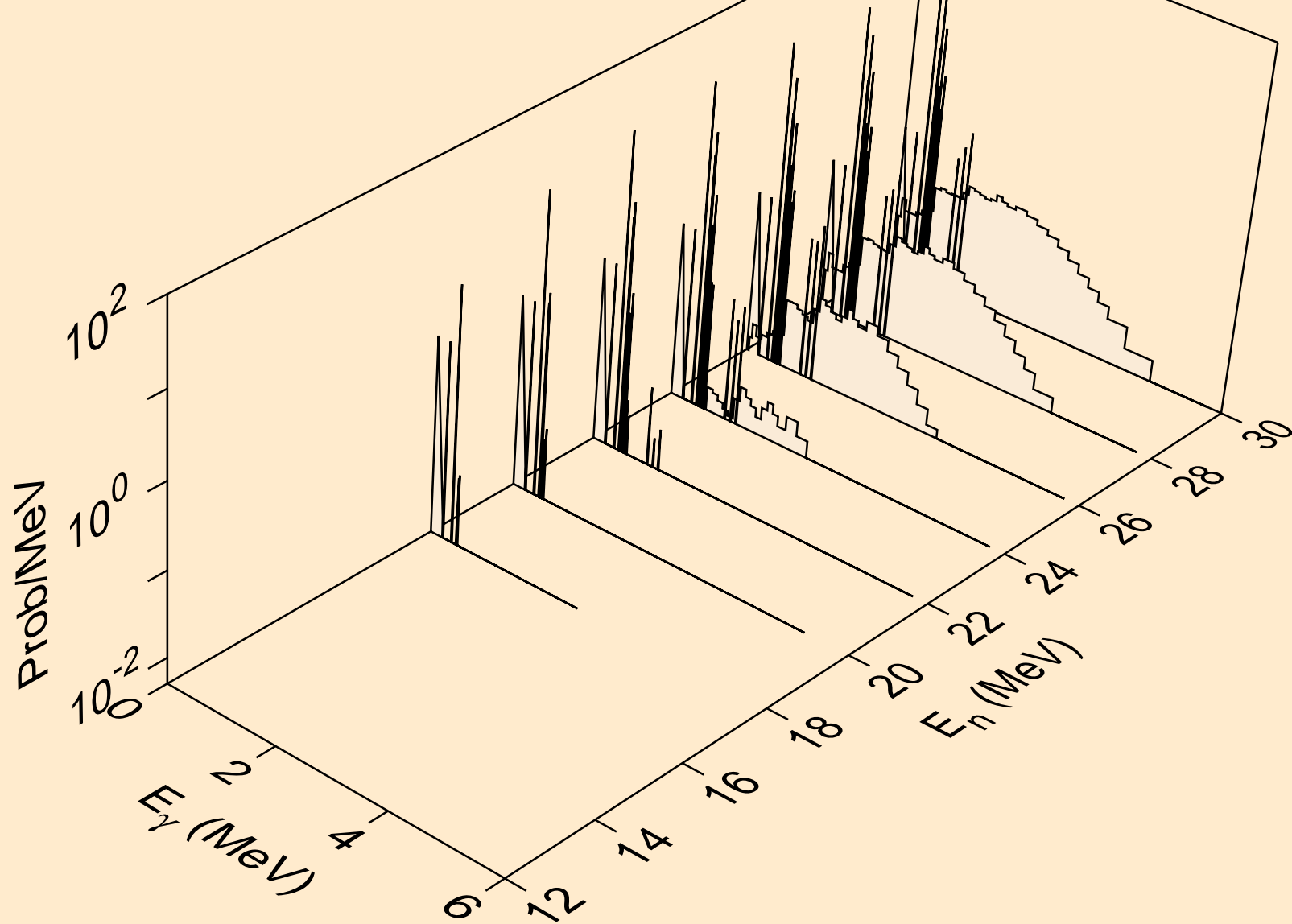
TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



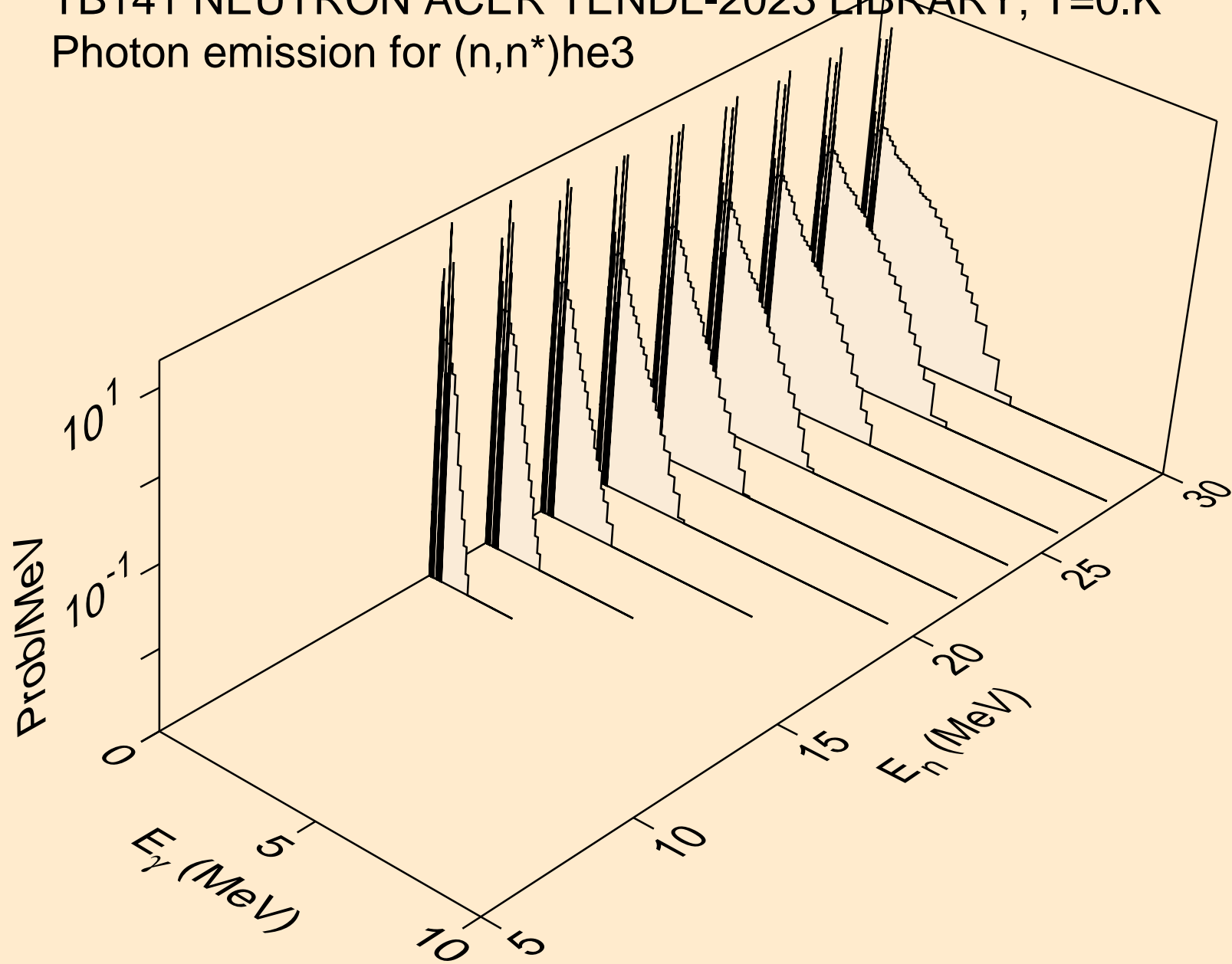
TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



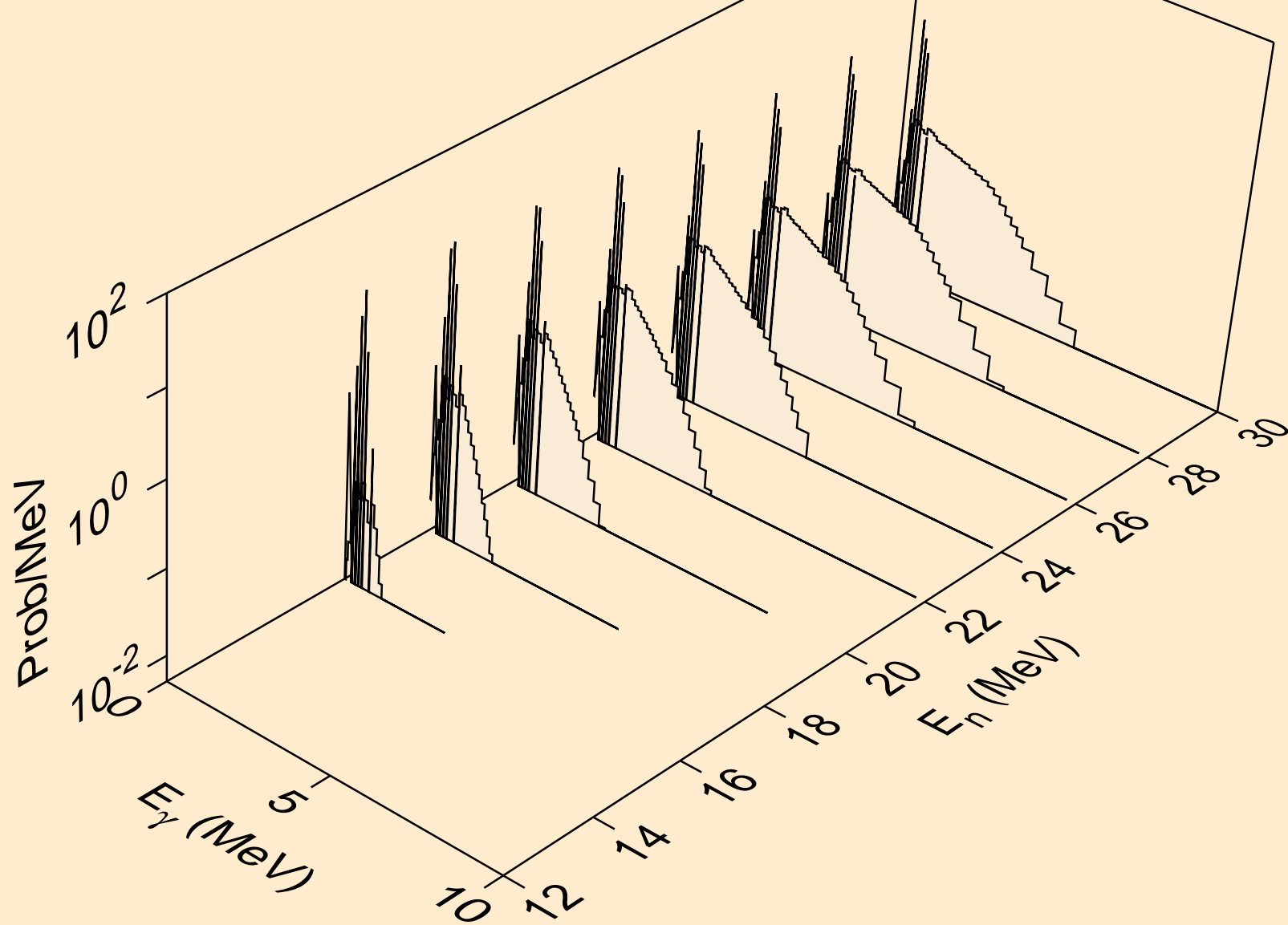
TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

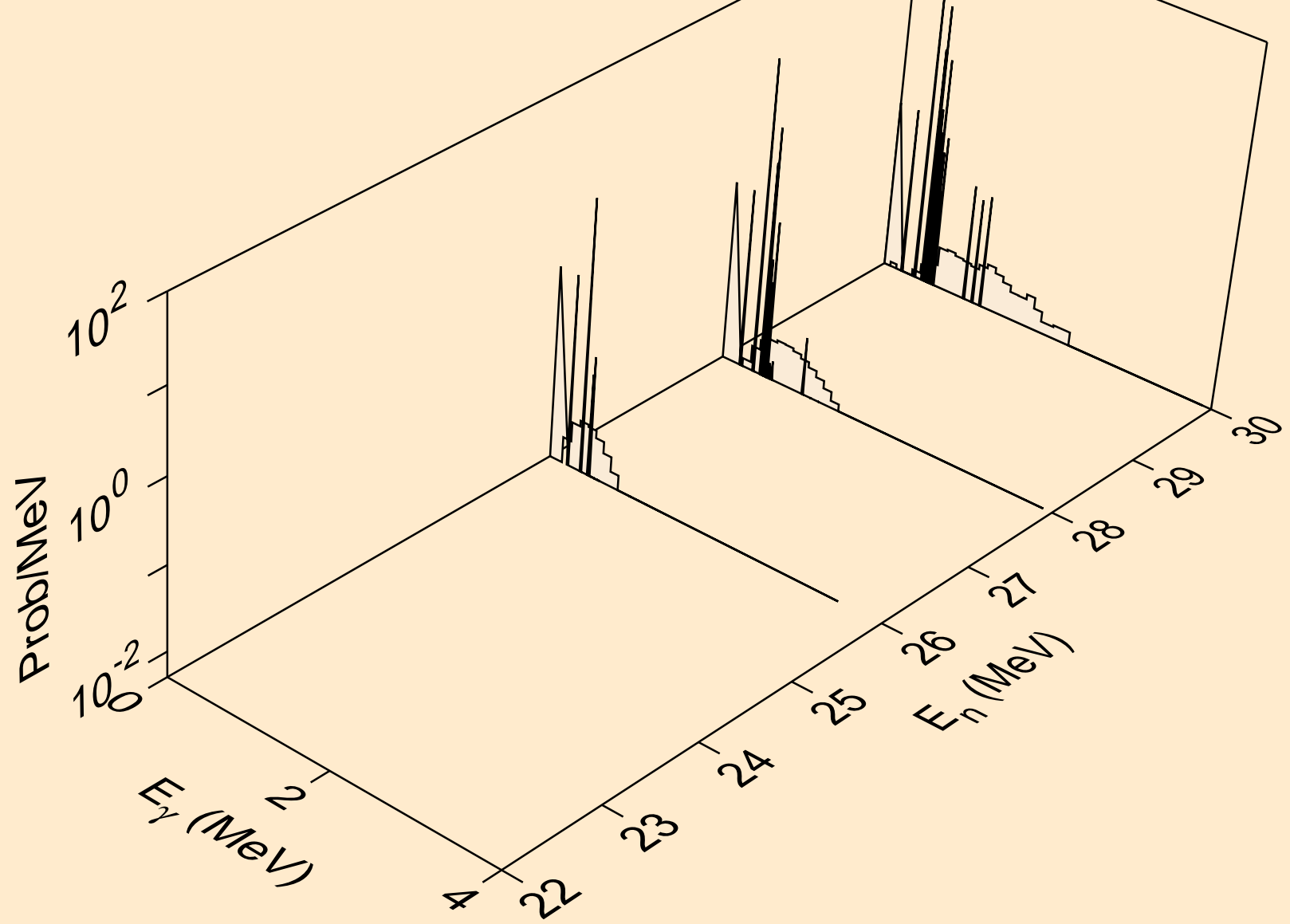


TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

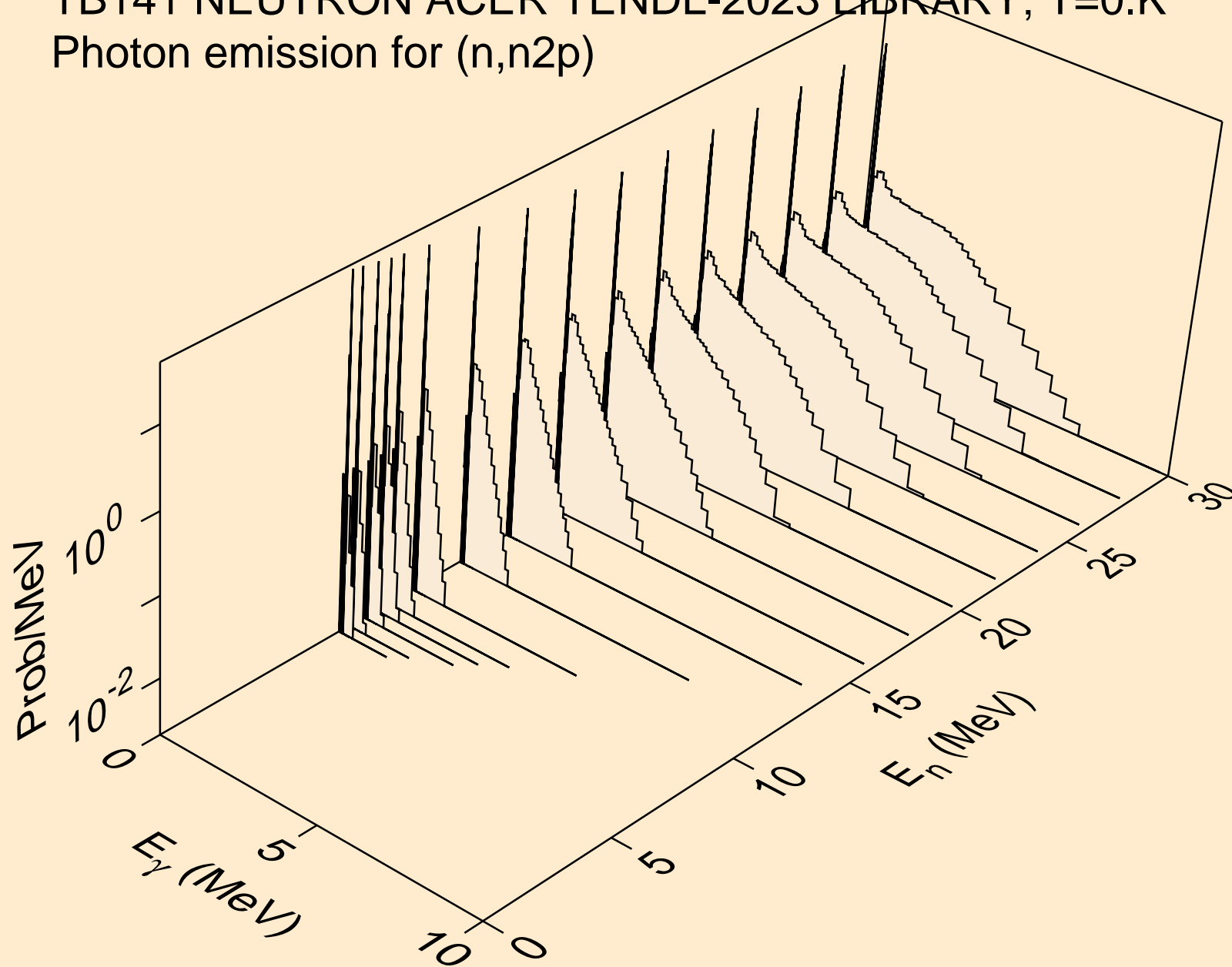




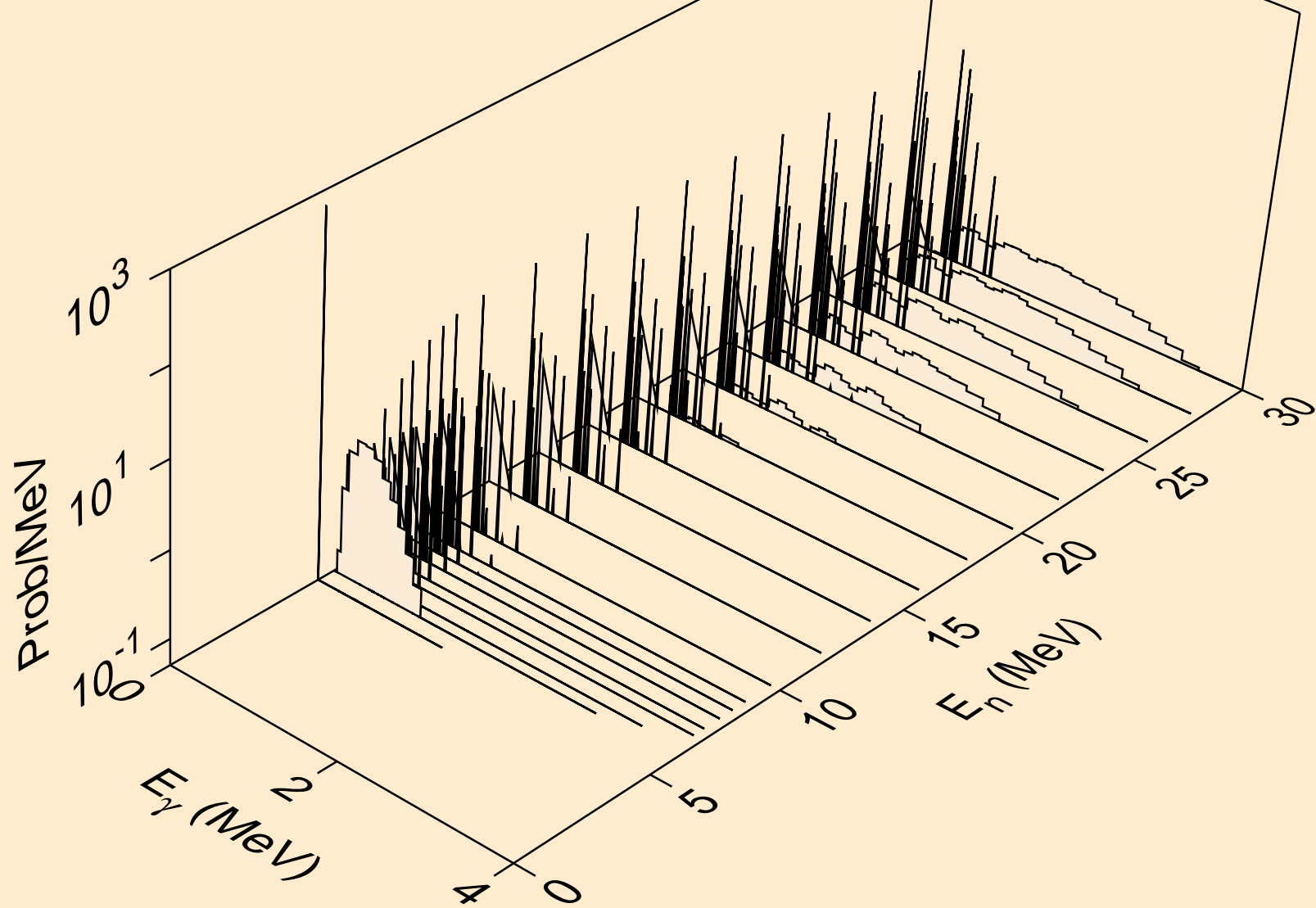
TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



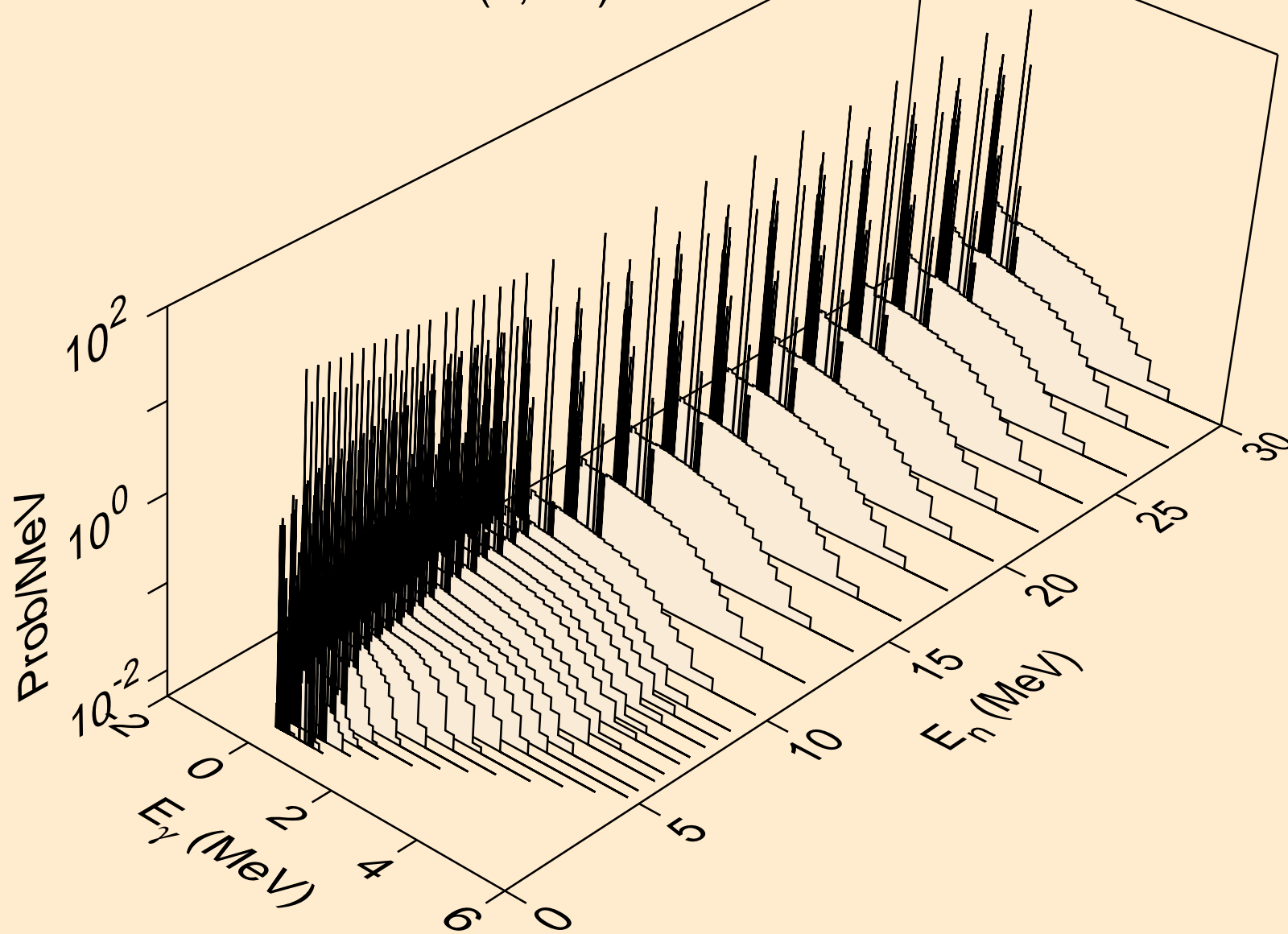
TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



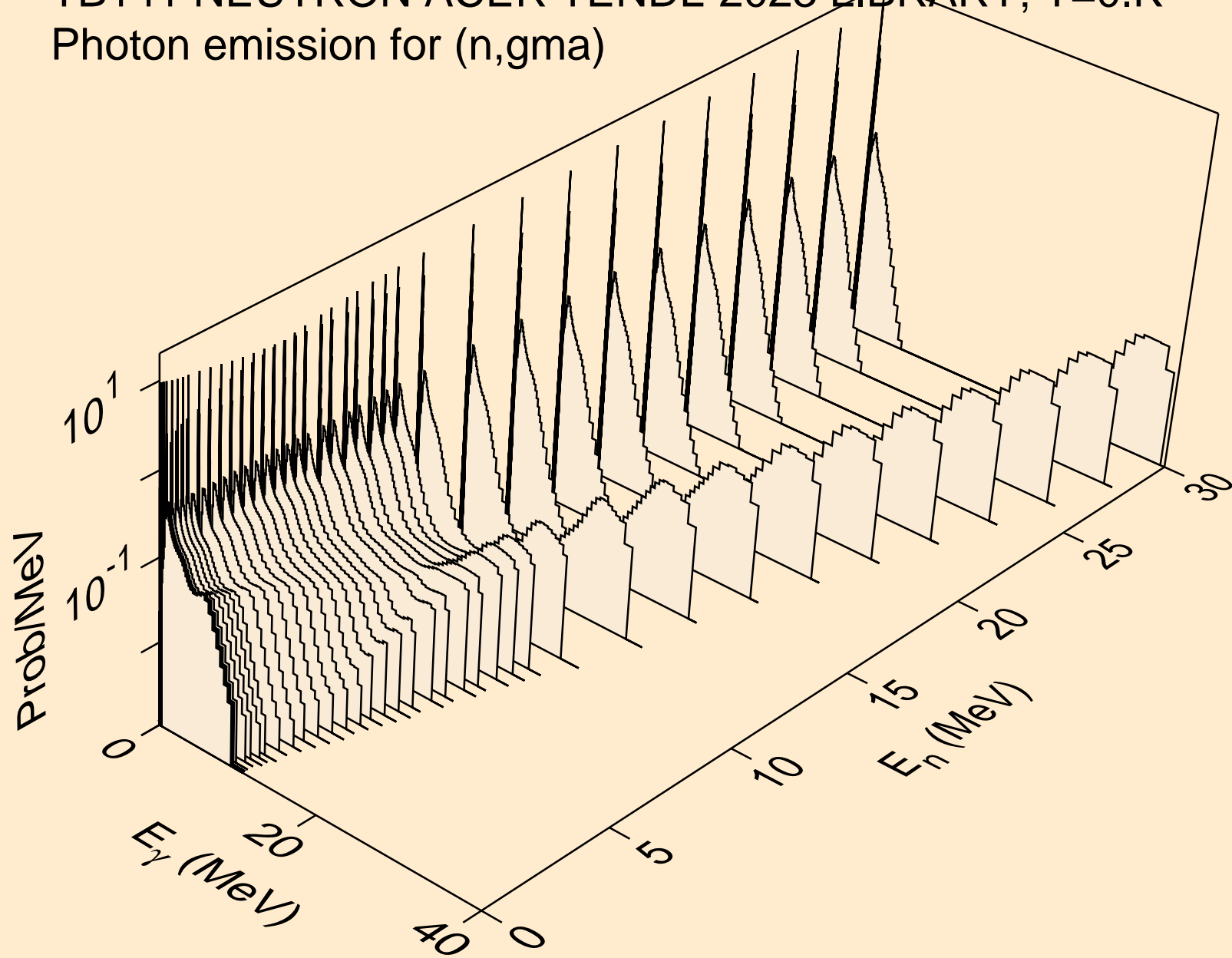
TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



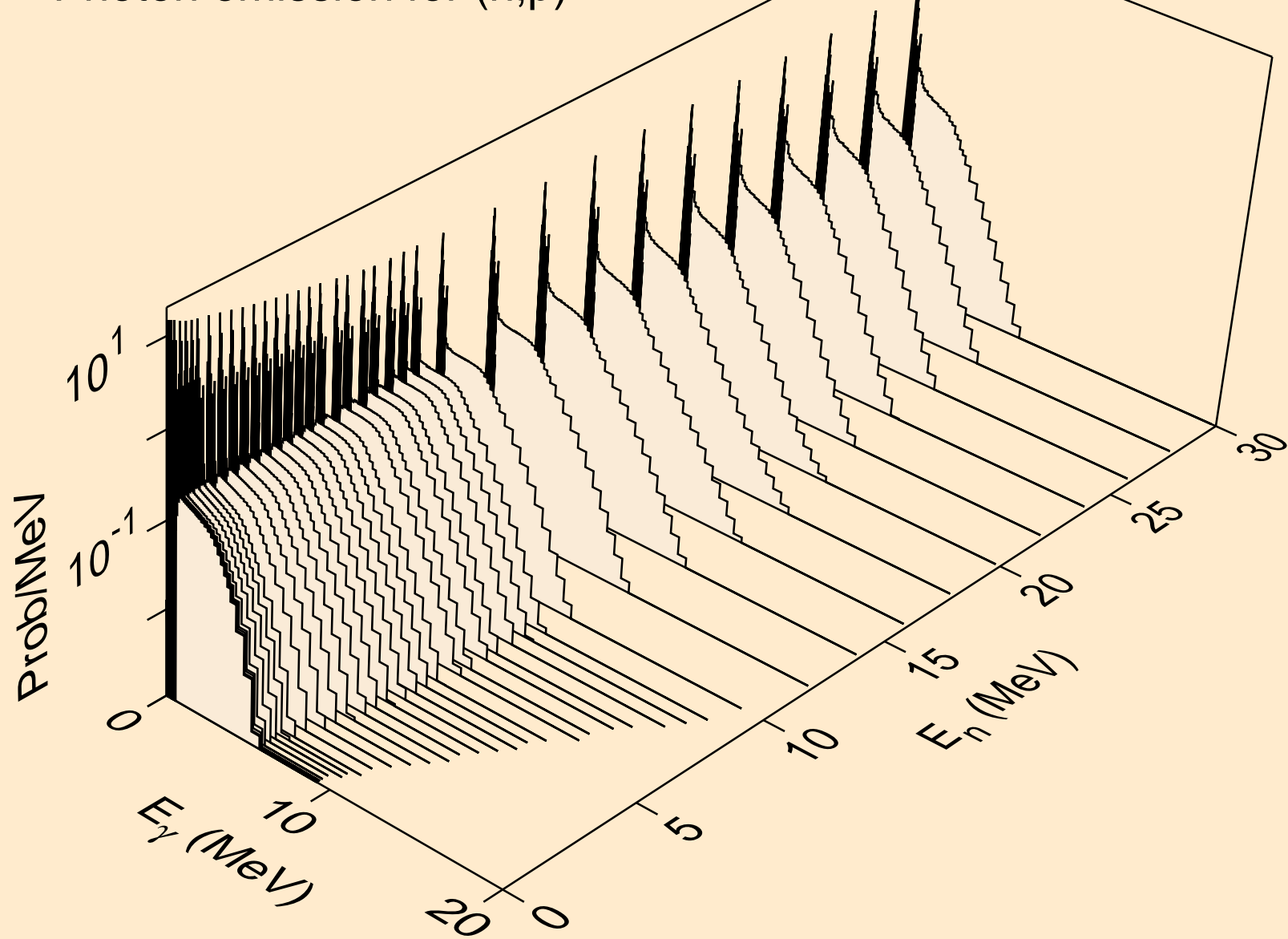
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Photon emission for (n,n\*c)



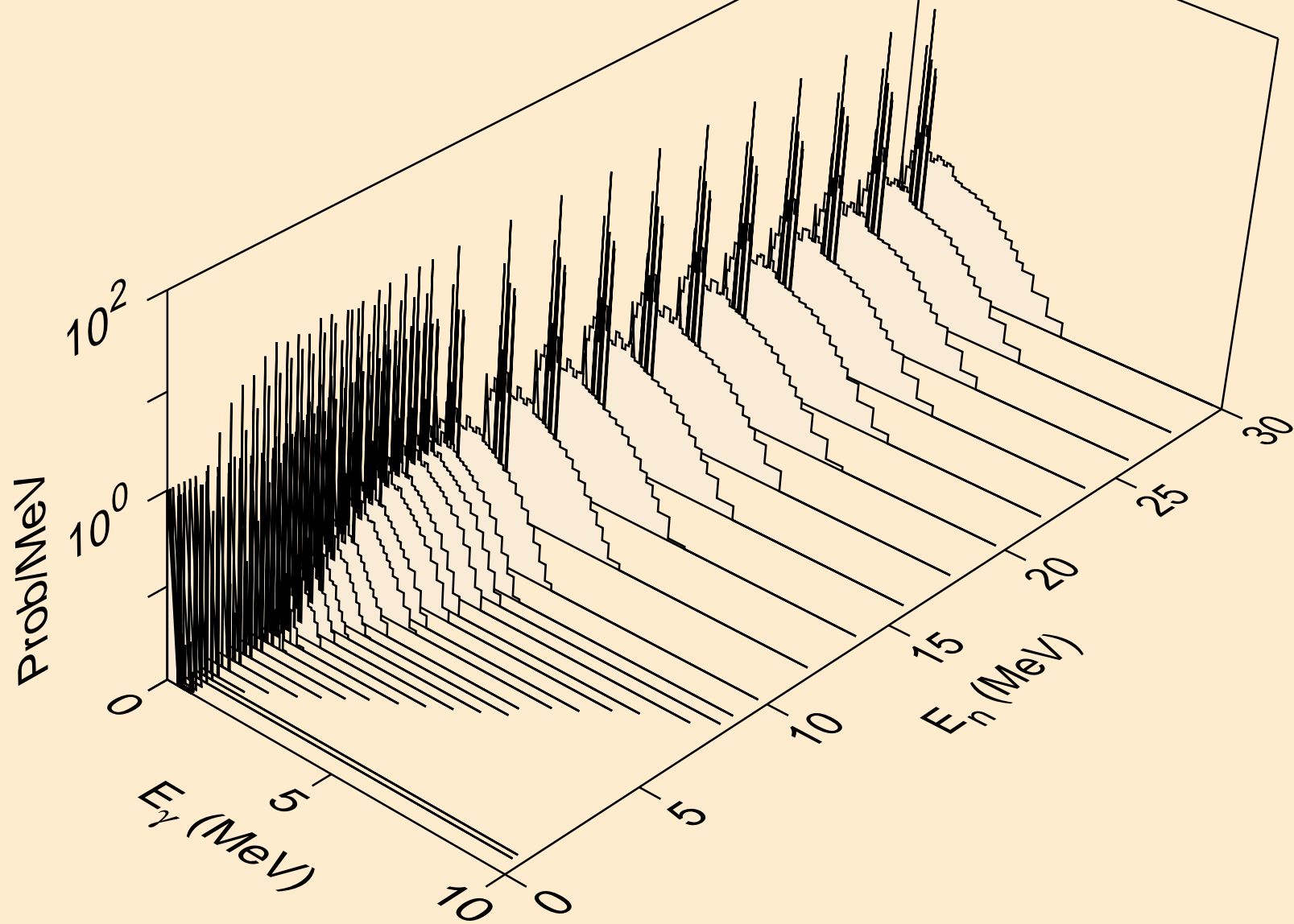
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Photon emission for (n,gma)



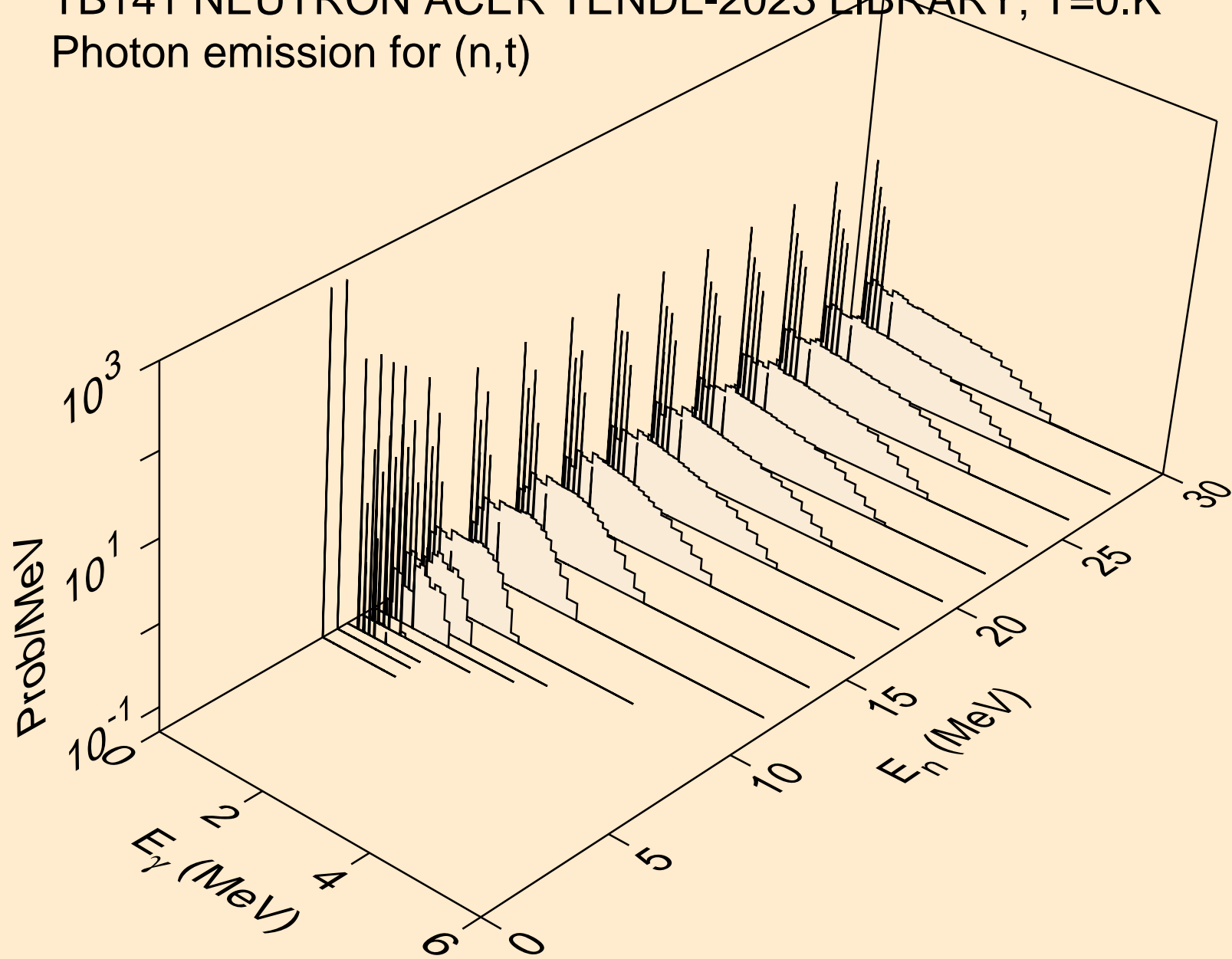
TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)

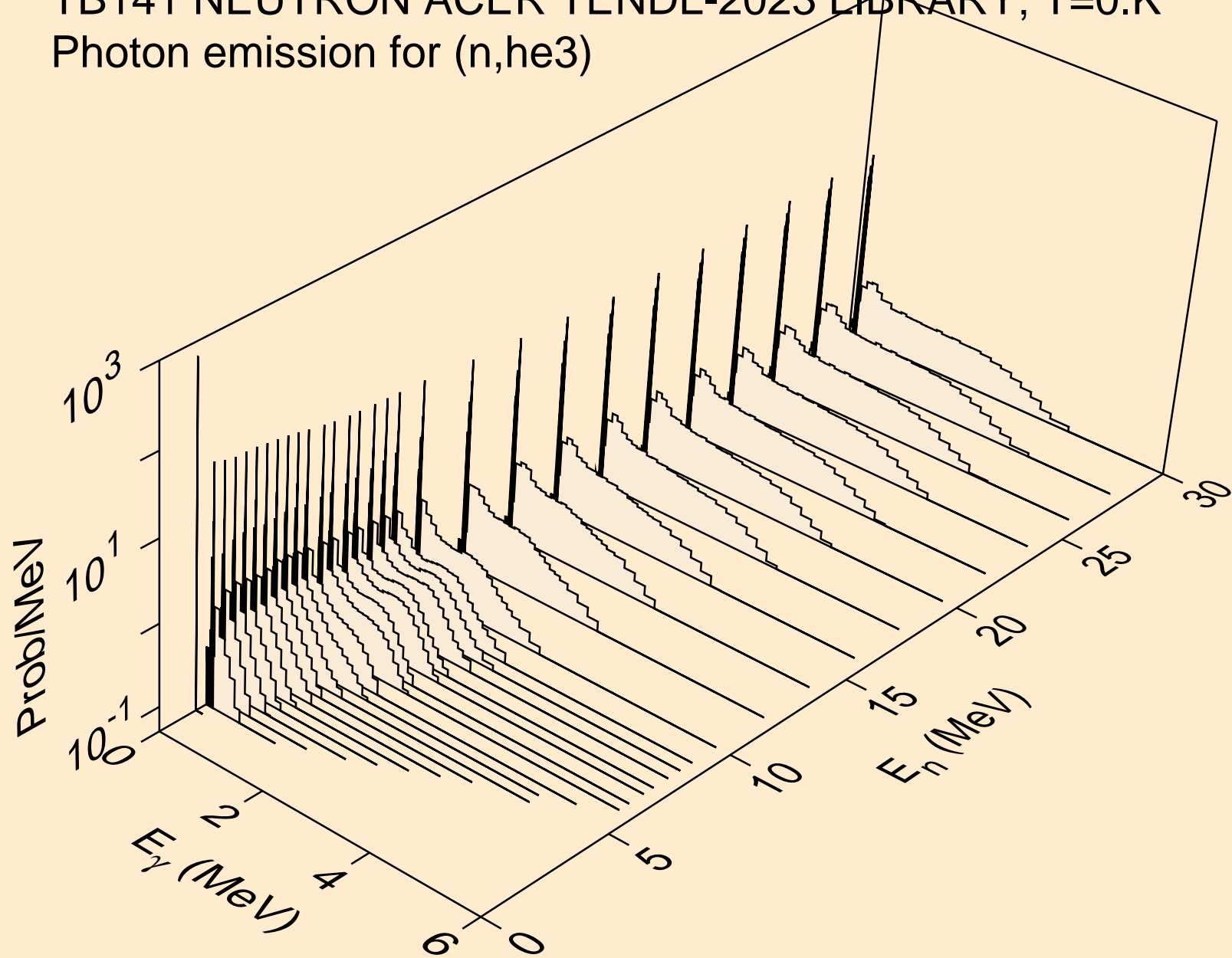


TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

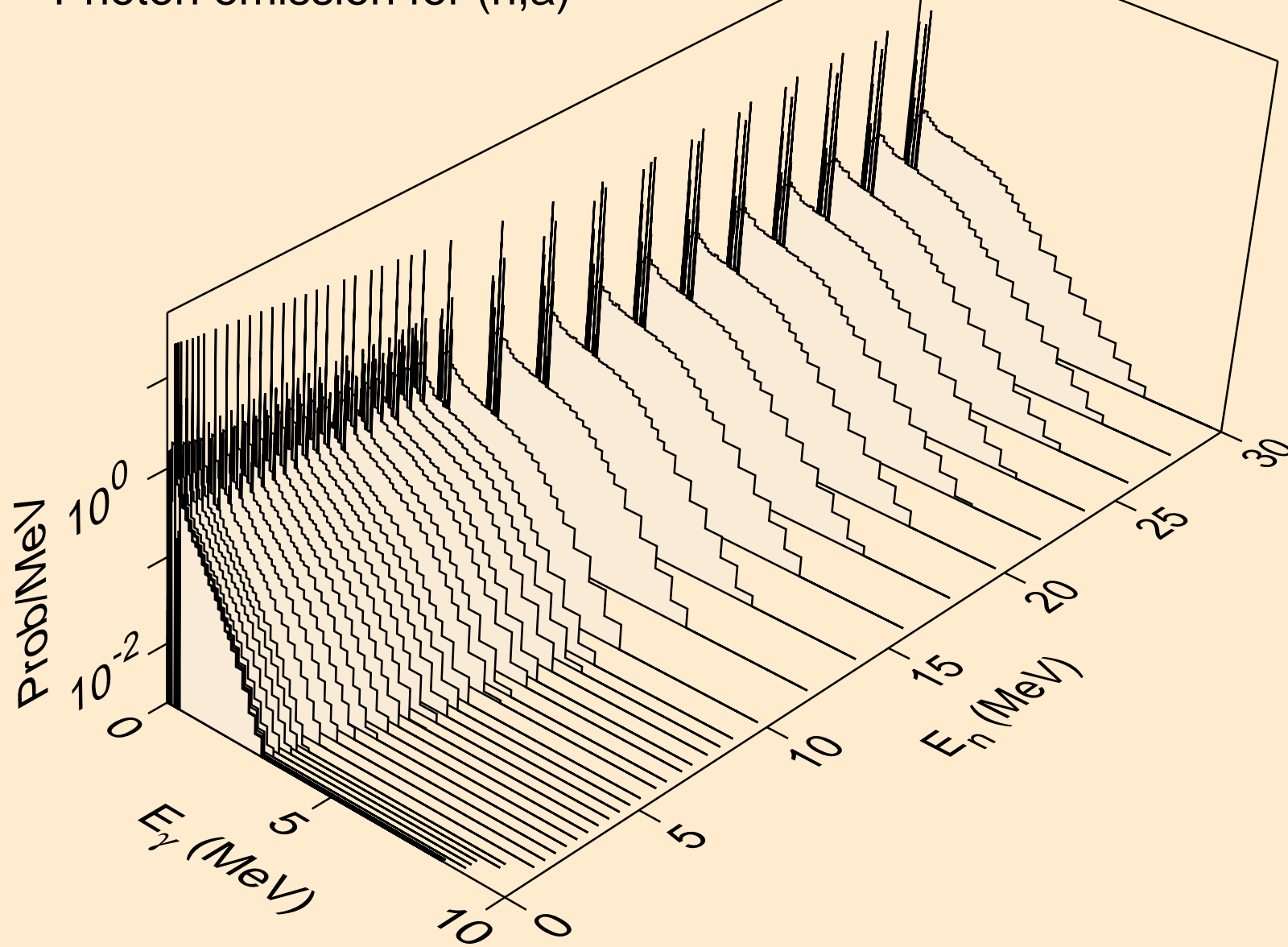




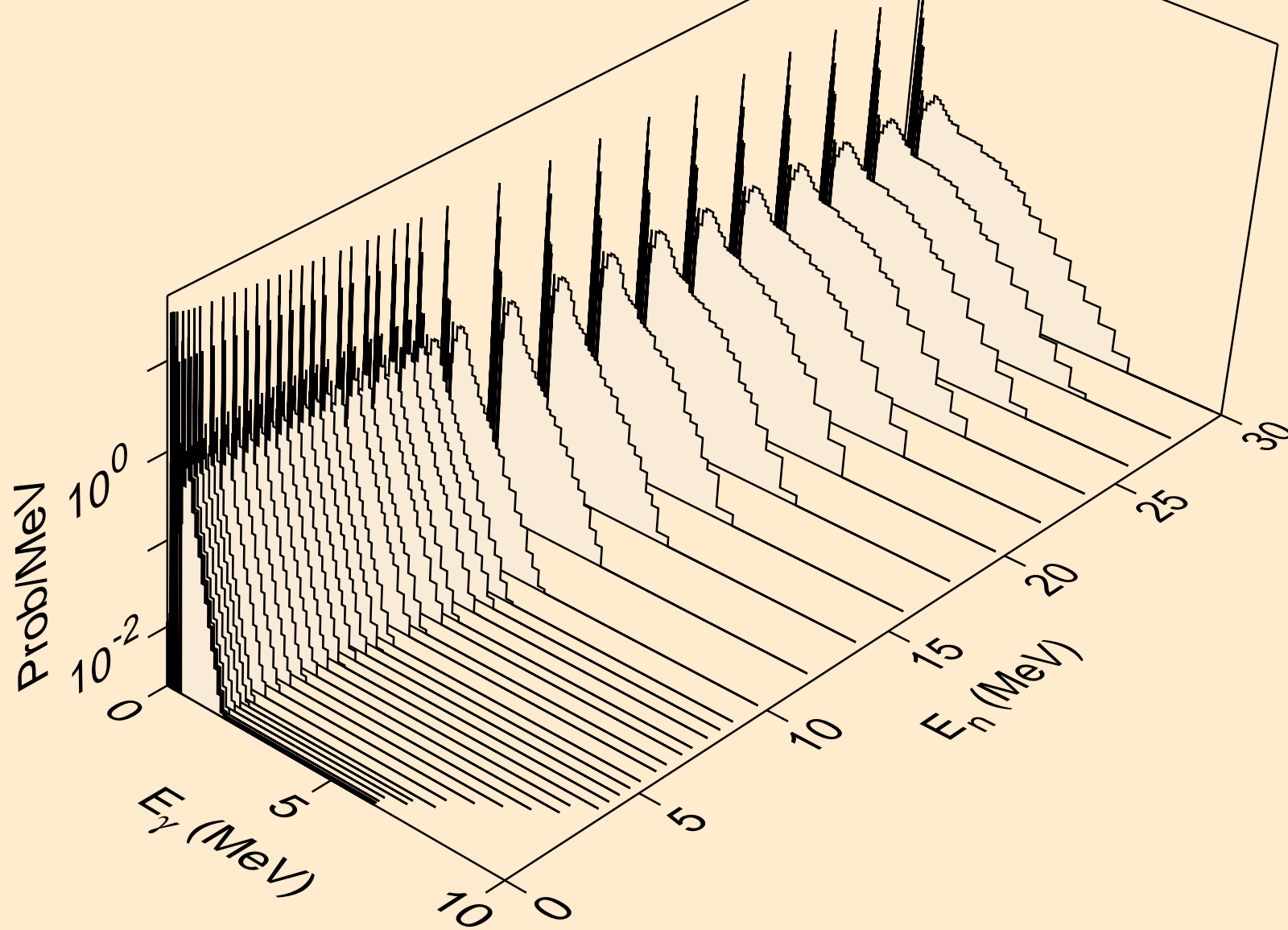
TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



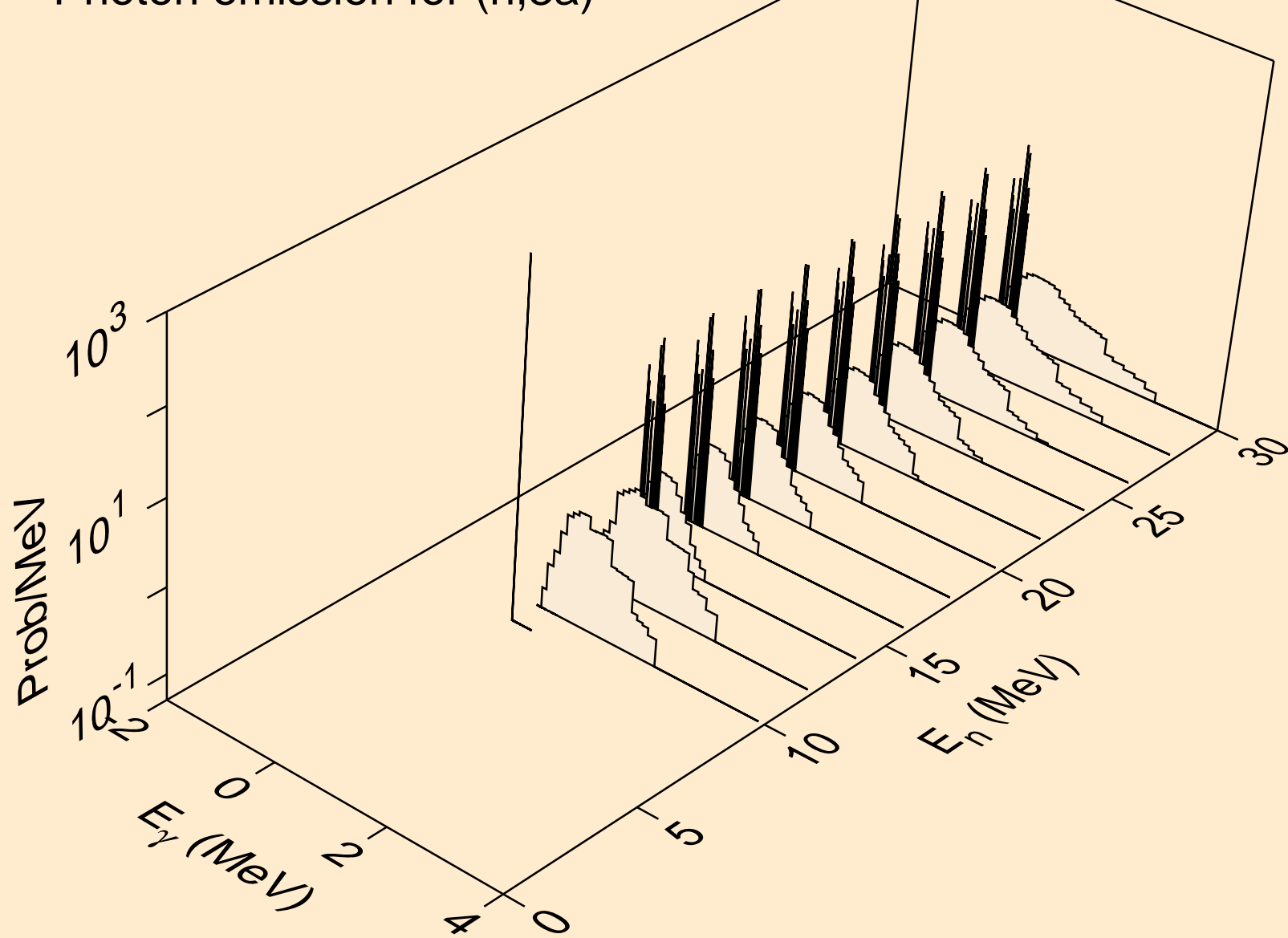
TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



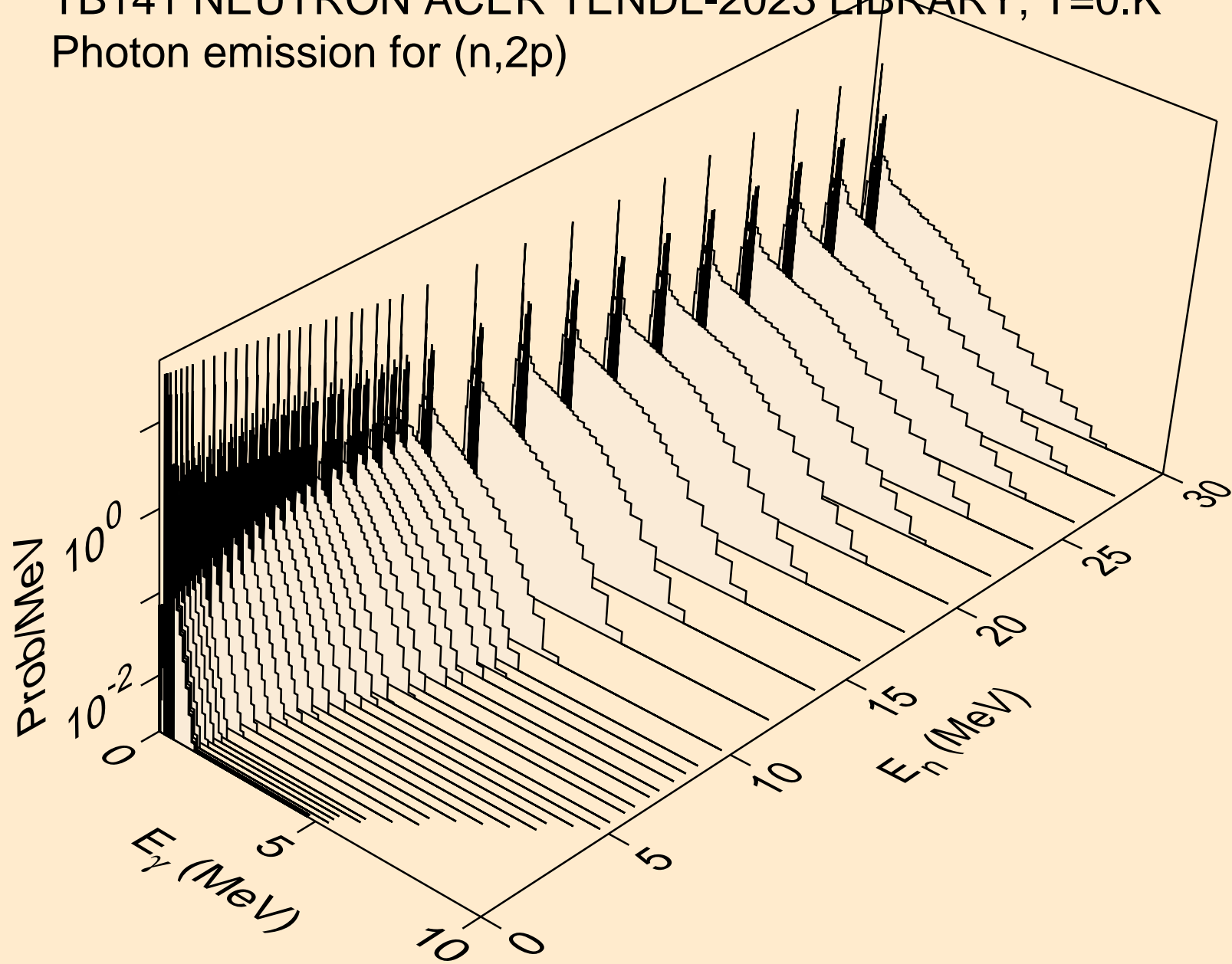
TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



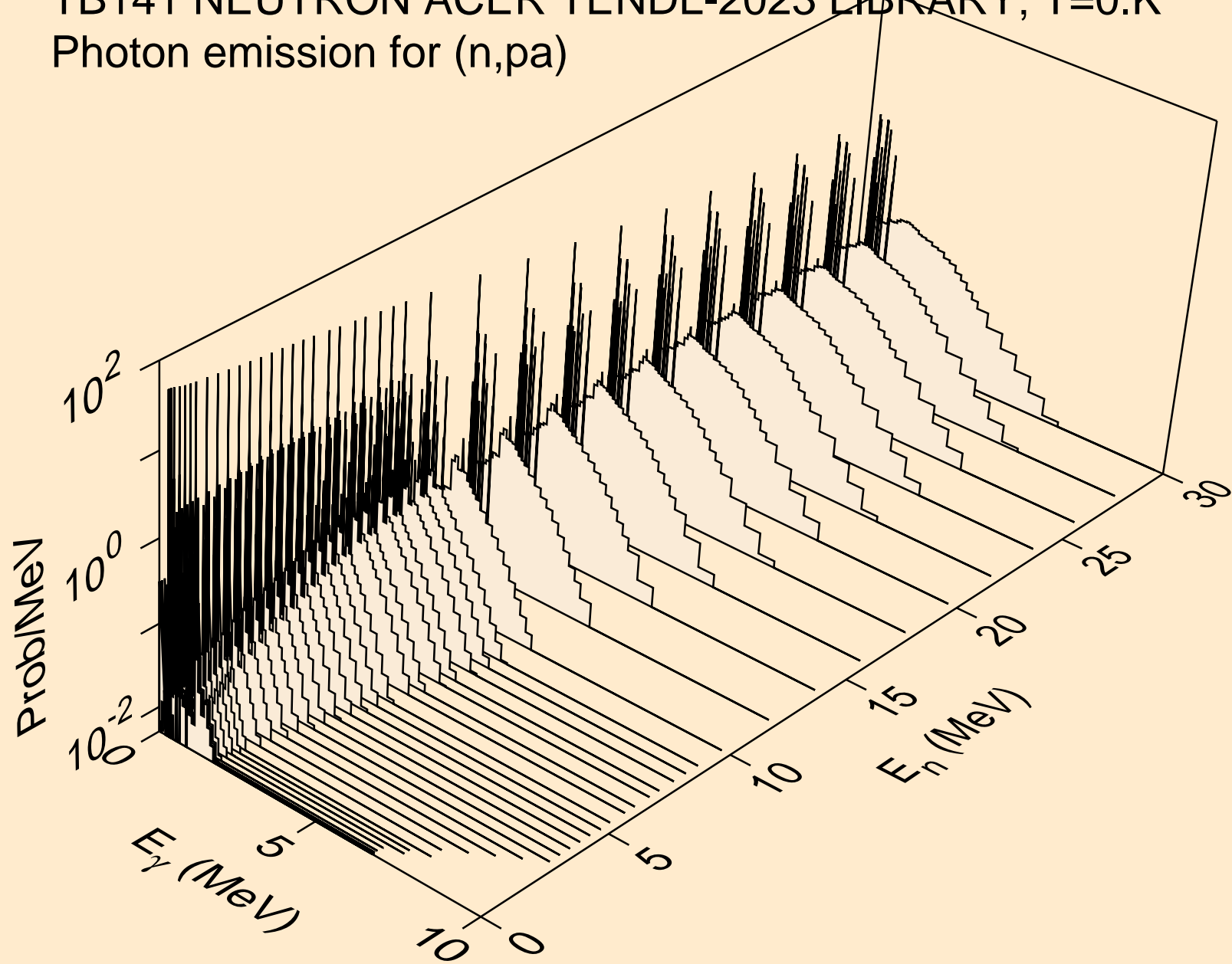
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Photon emission for (n,3a)



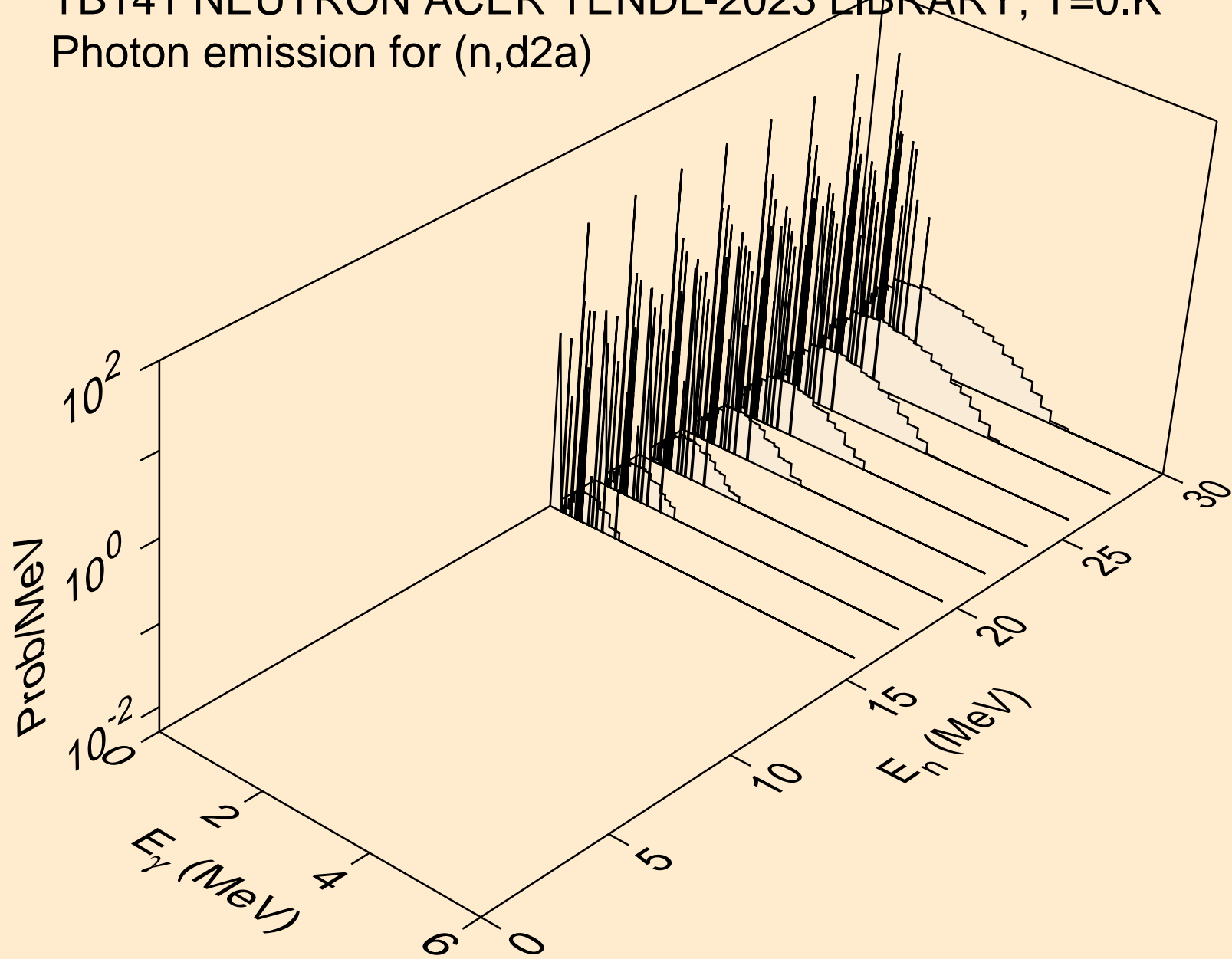
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Photon emission for (n,2p)



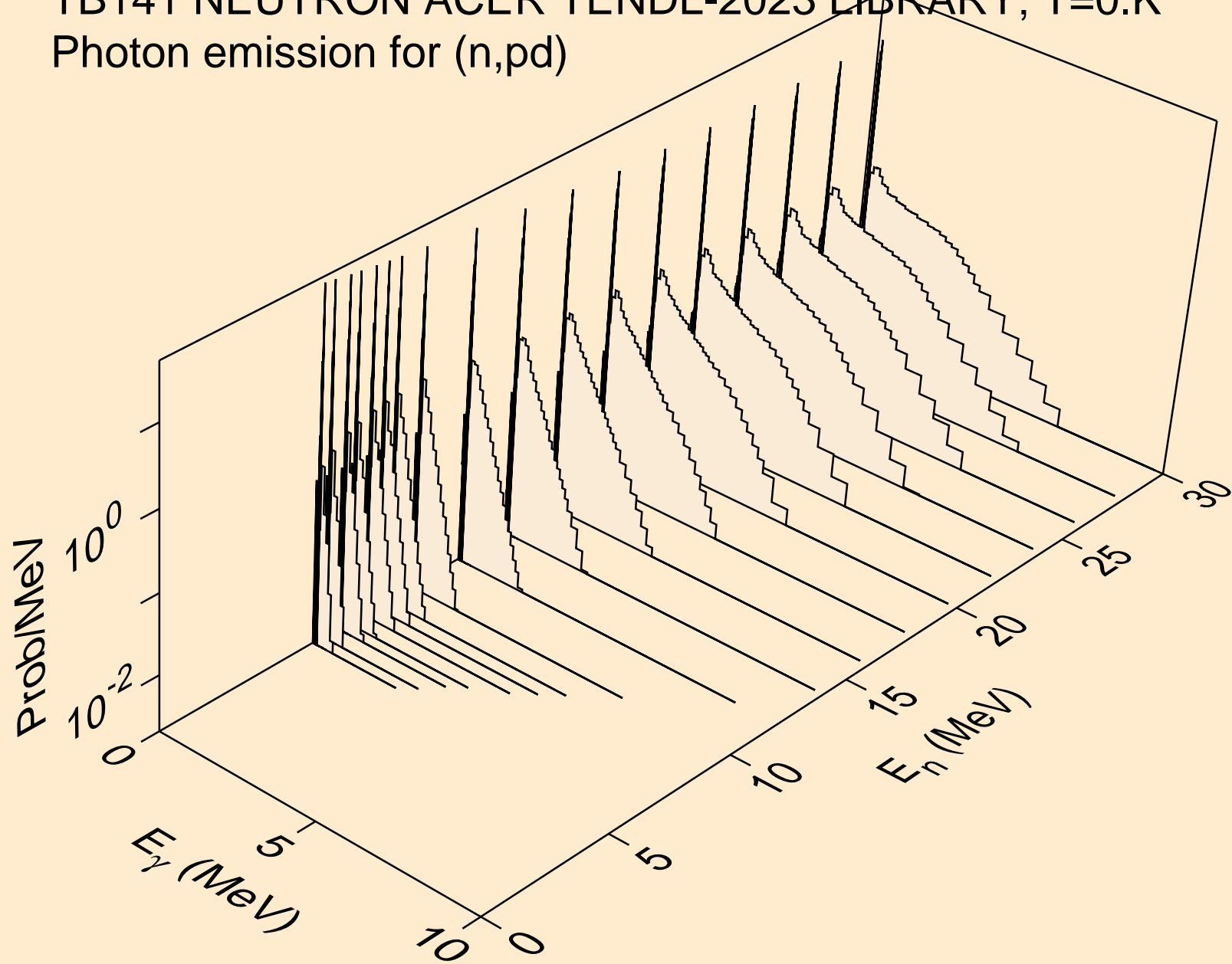
TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d2a)

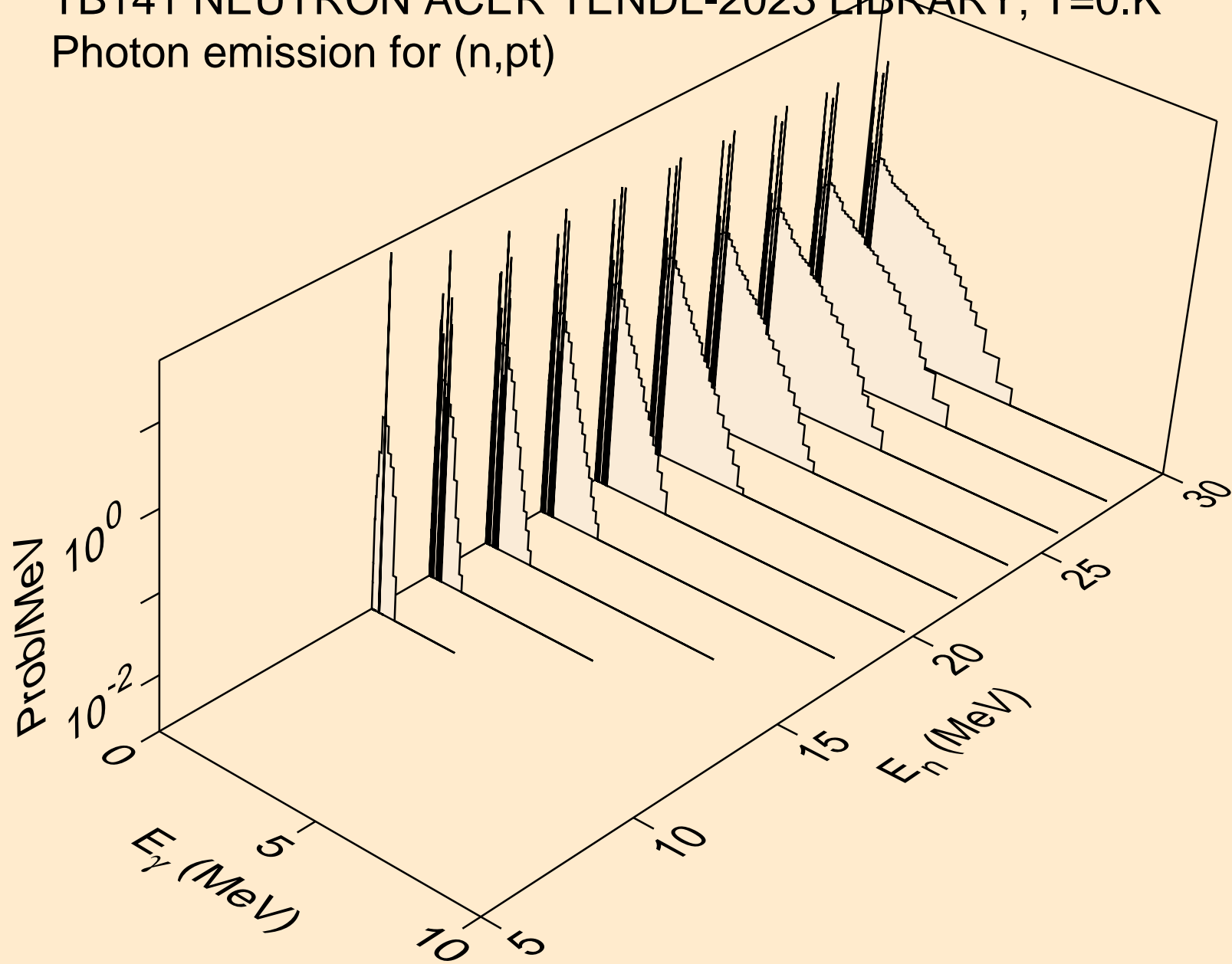


TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)

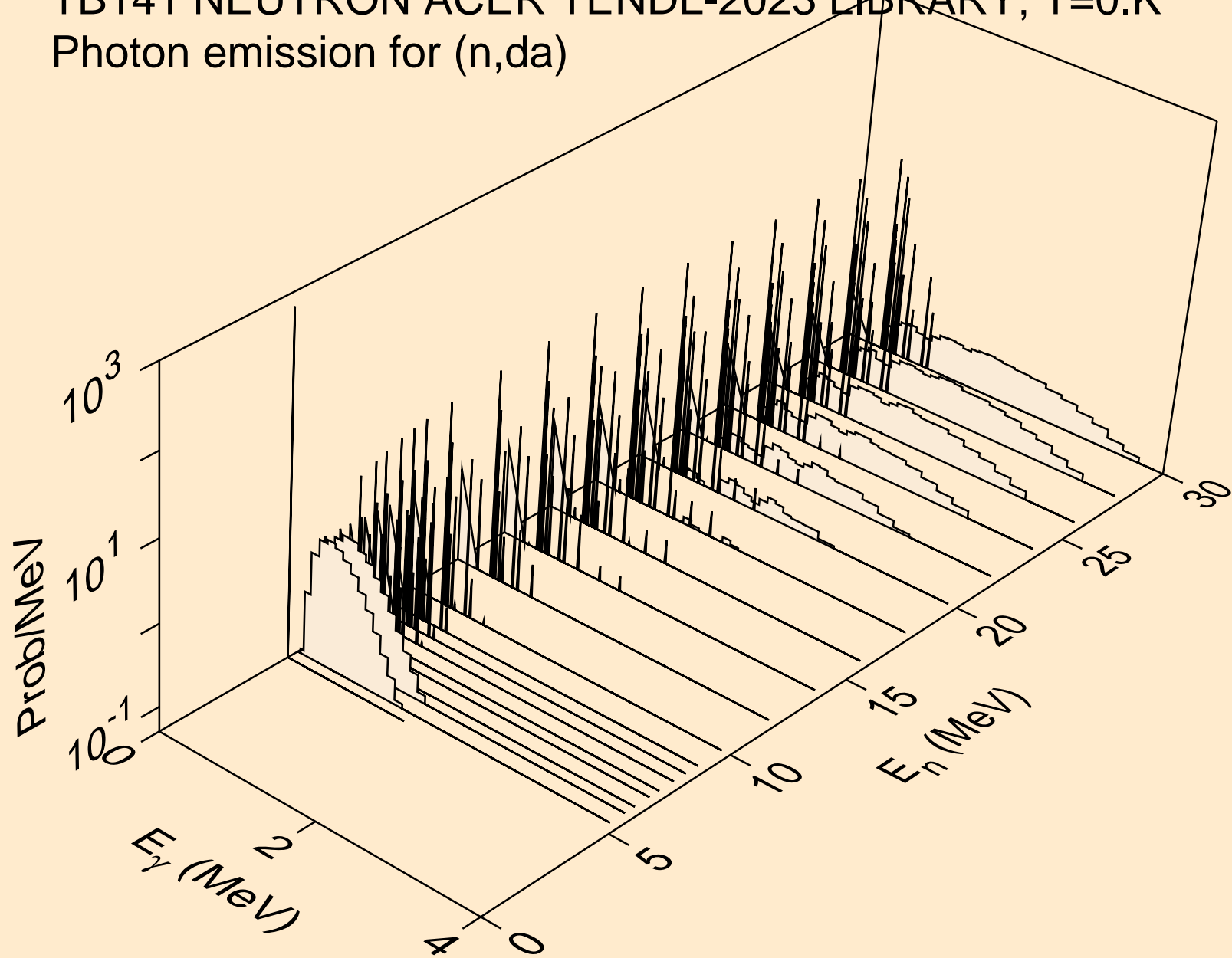




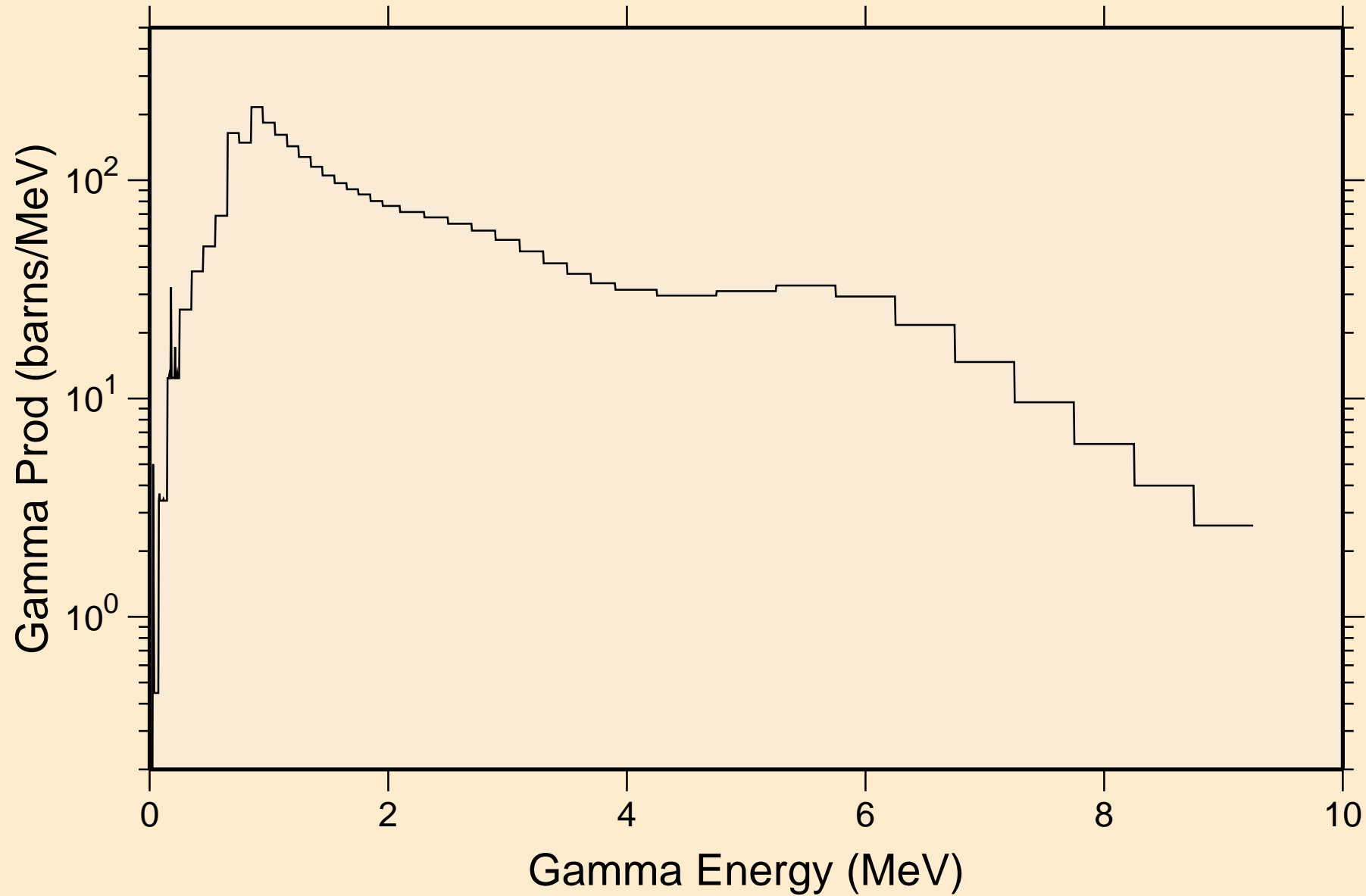
TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



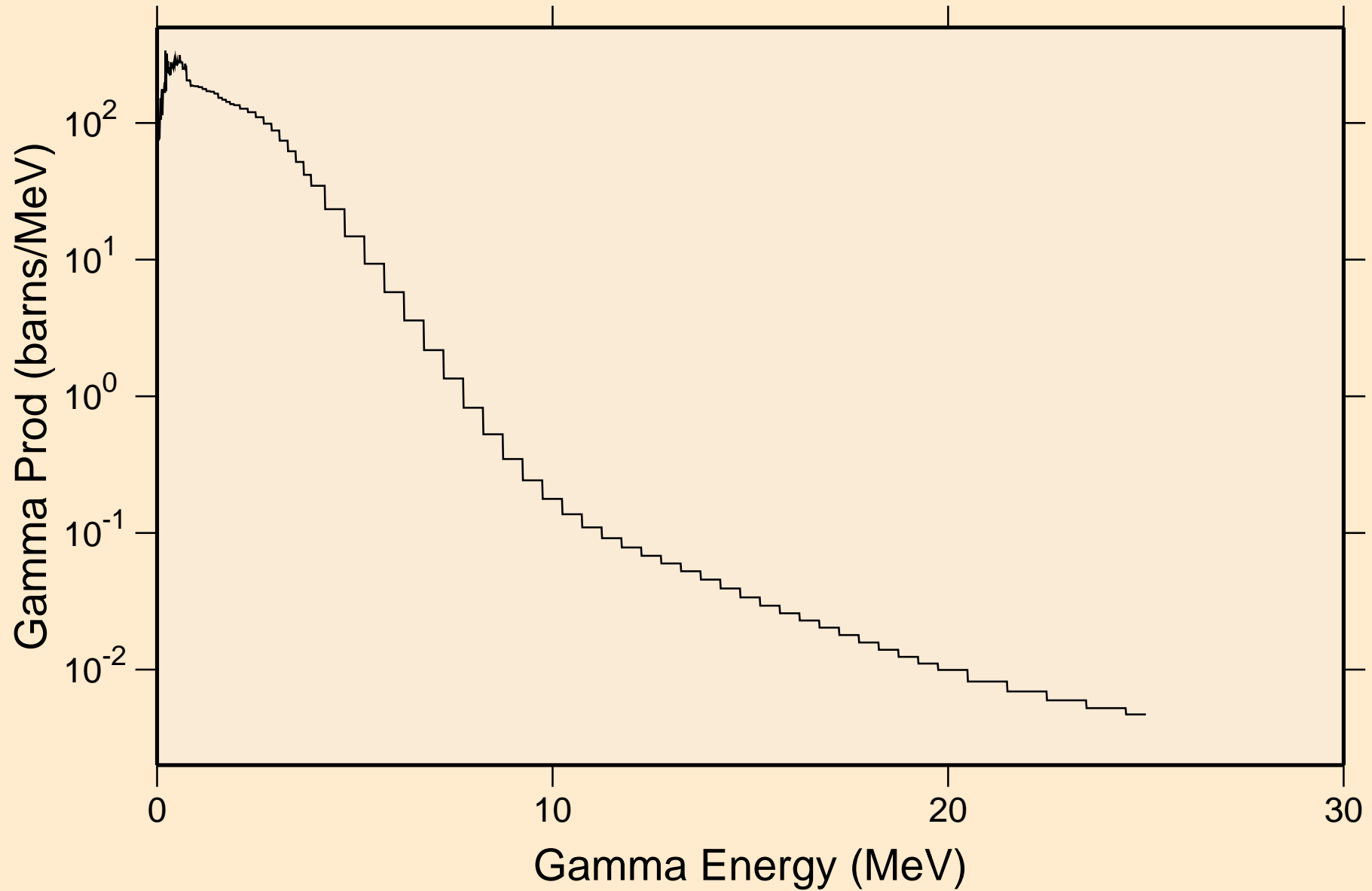
TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

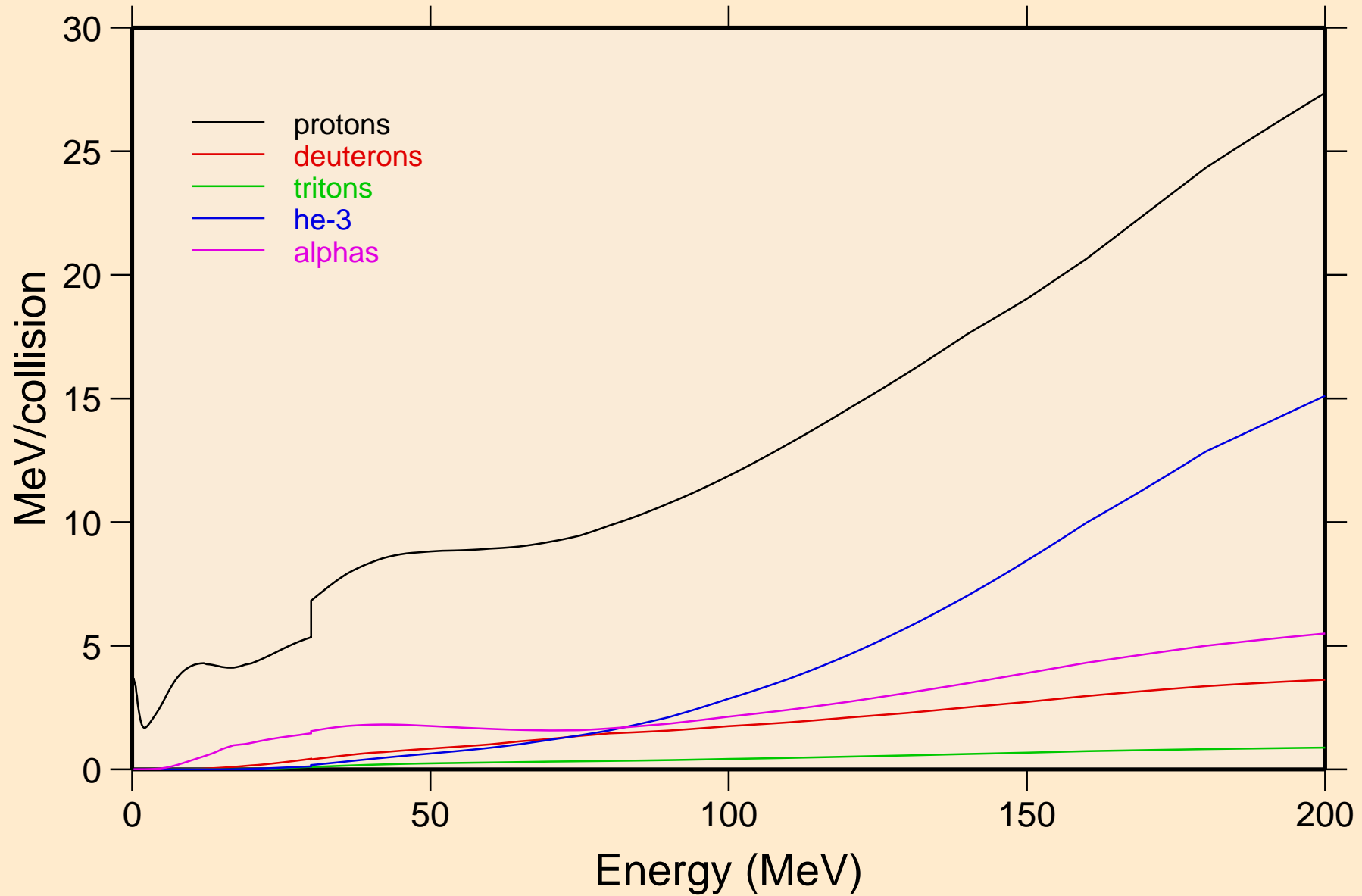


TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

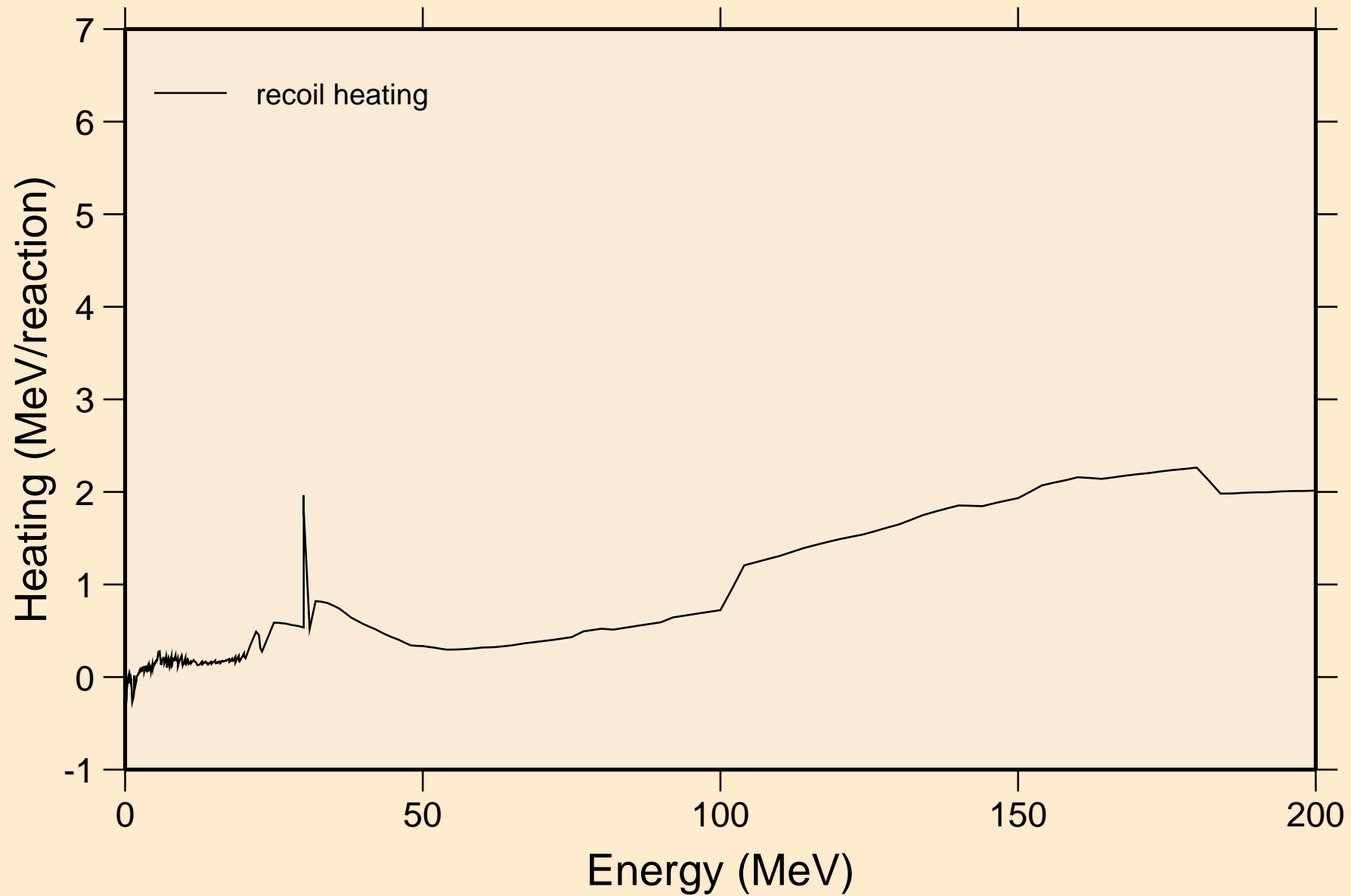


# TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

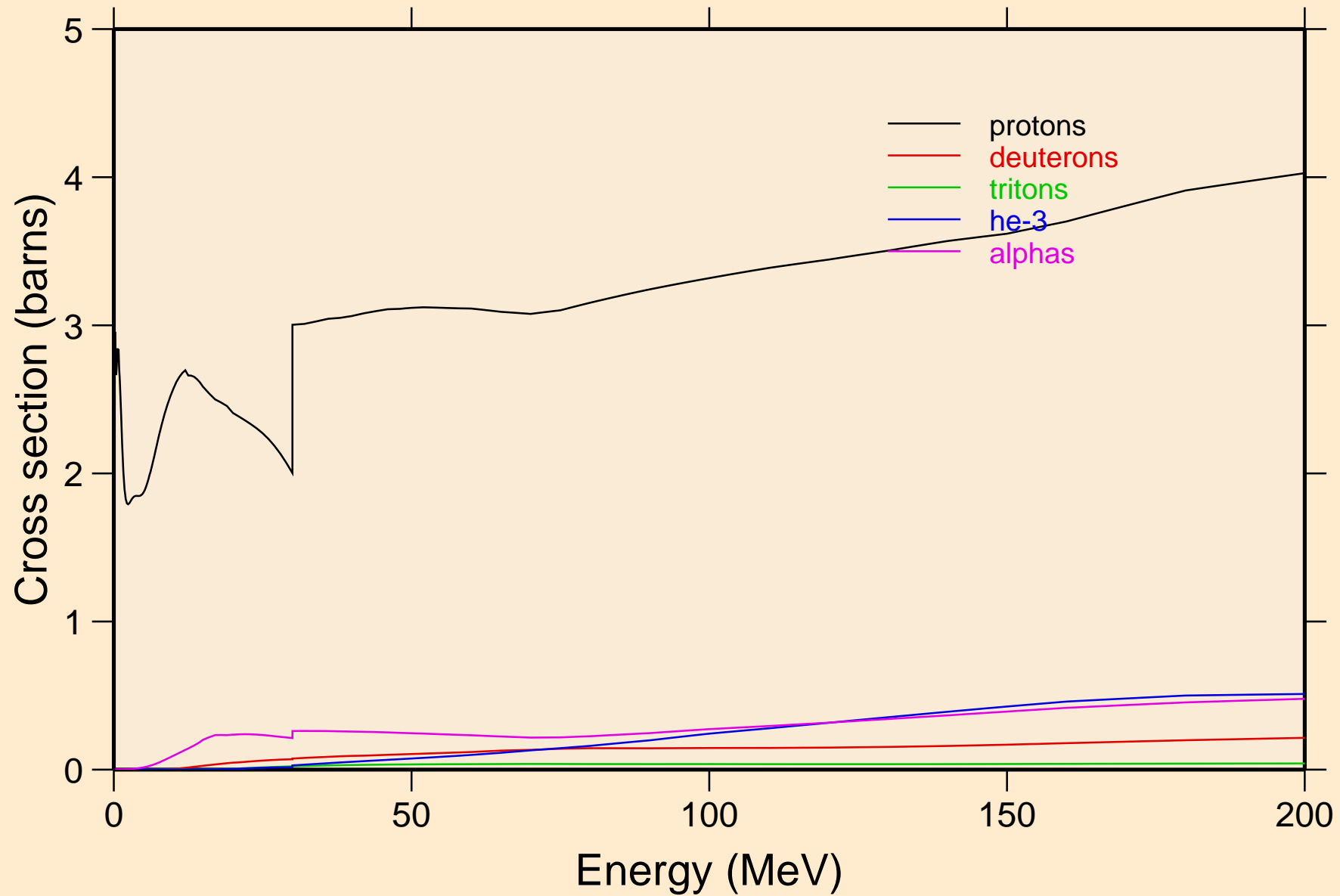
## Particle heating contributions



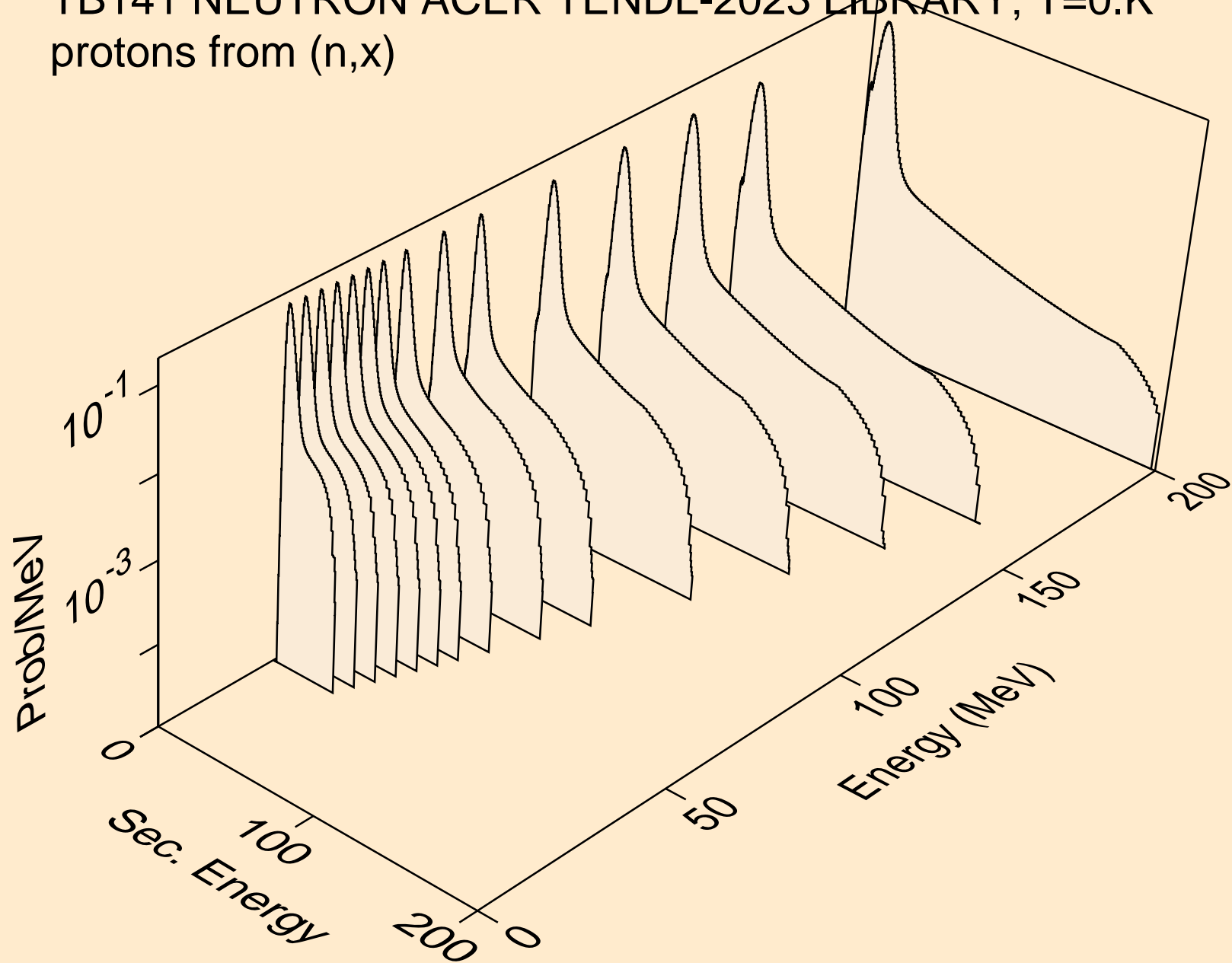
TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections

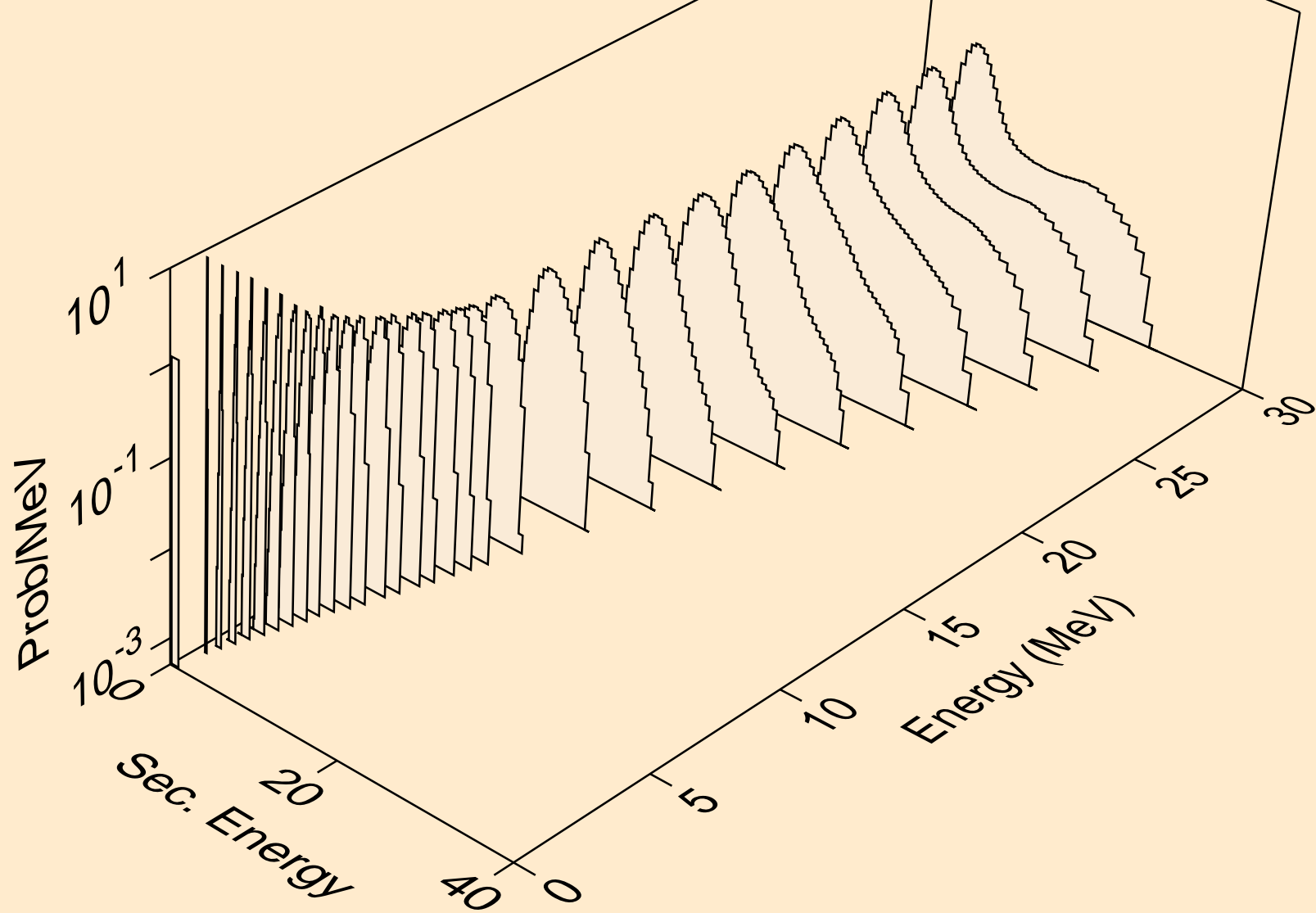


TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)

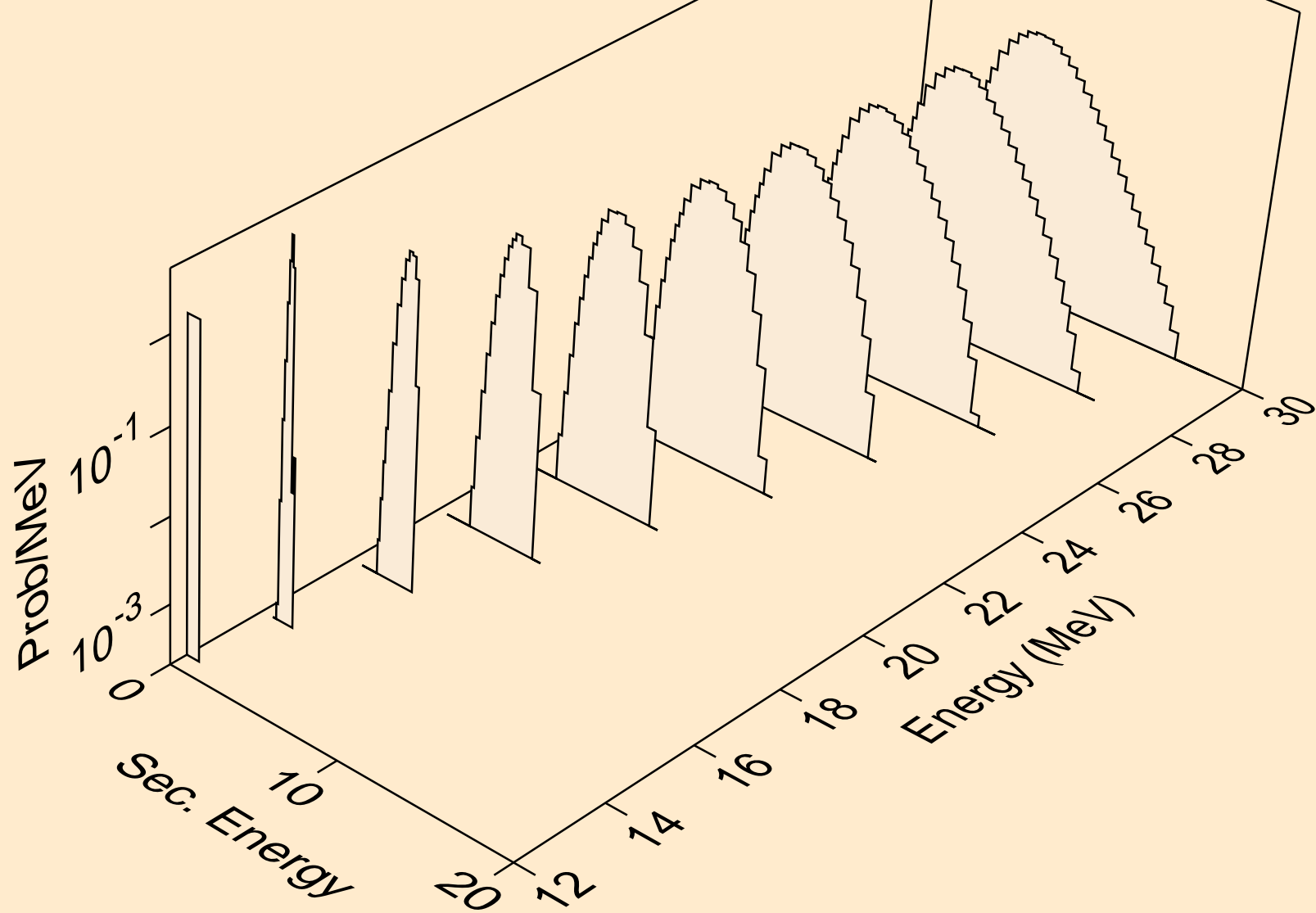




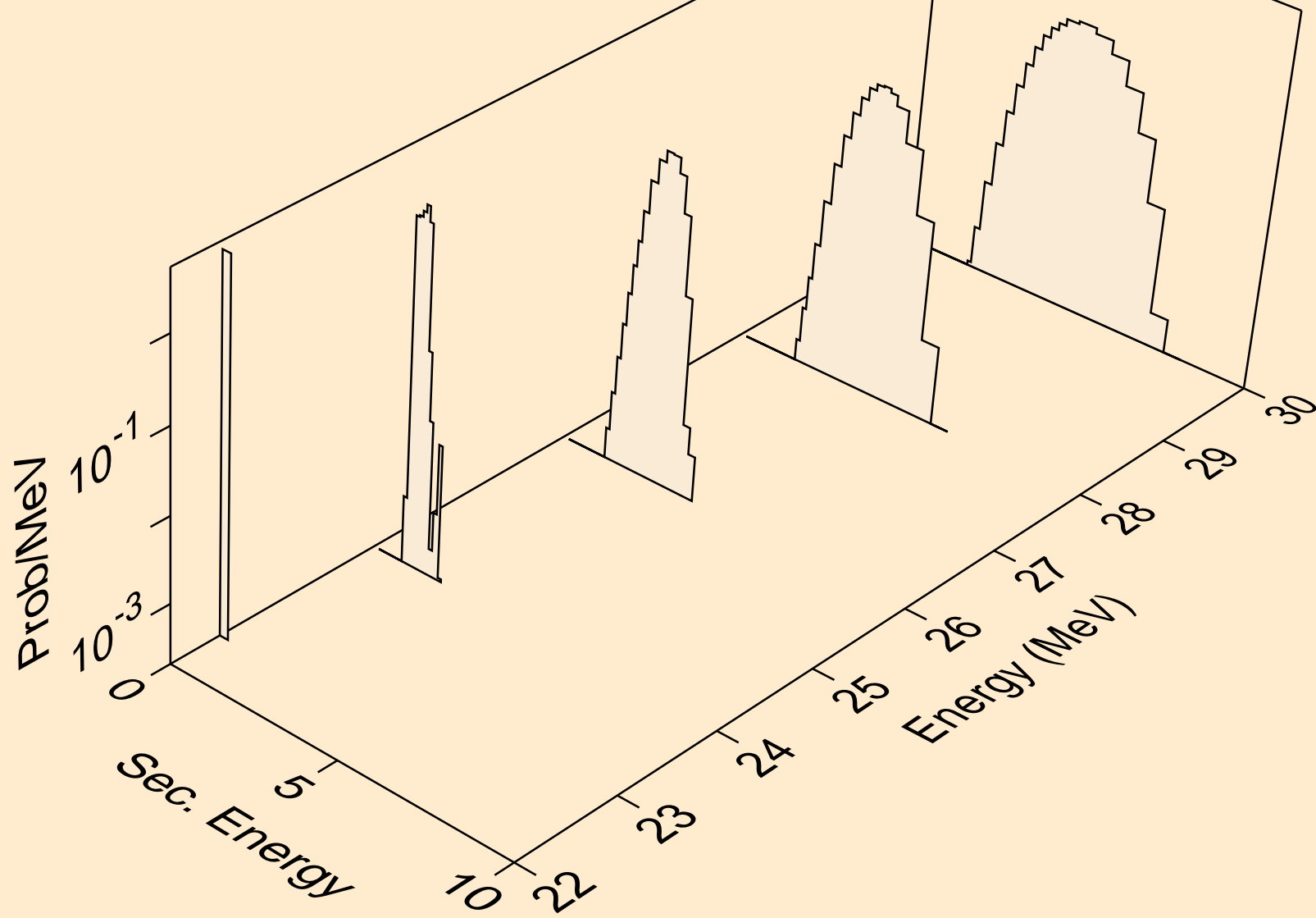
TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



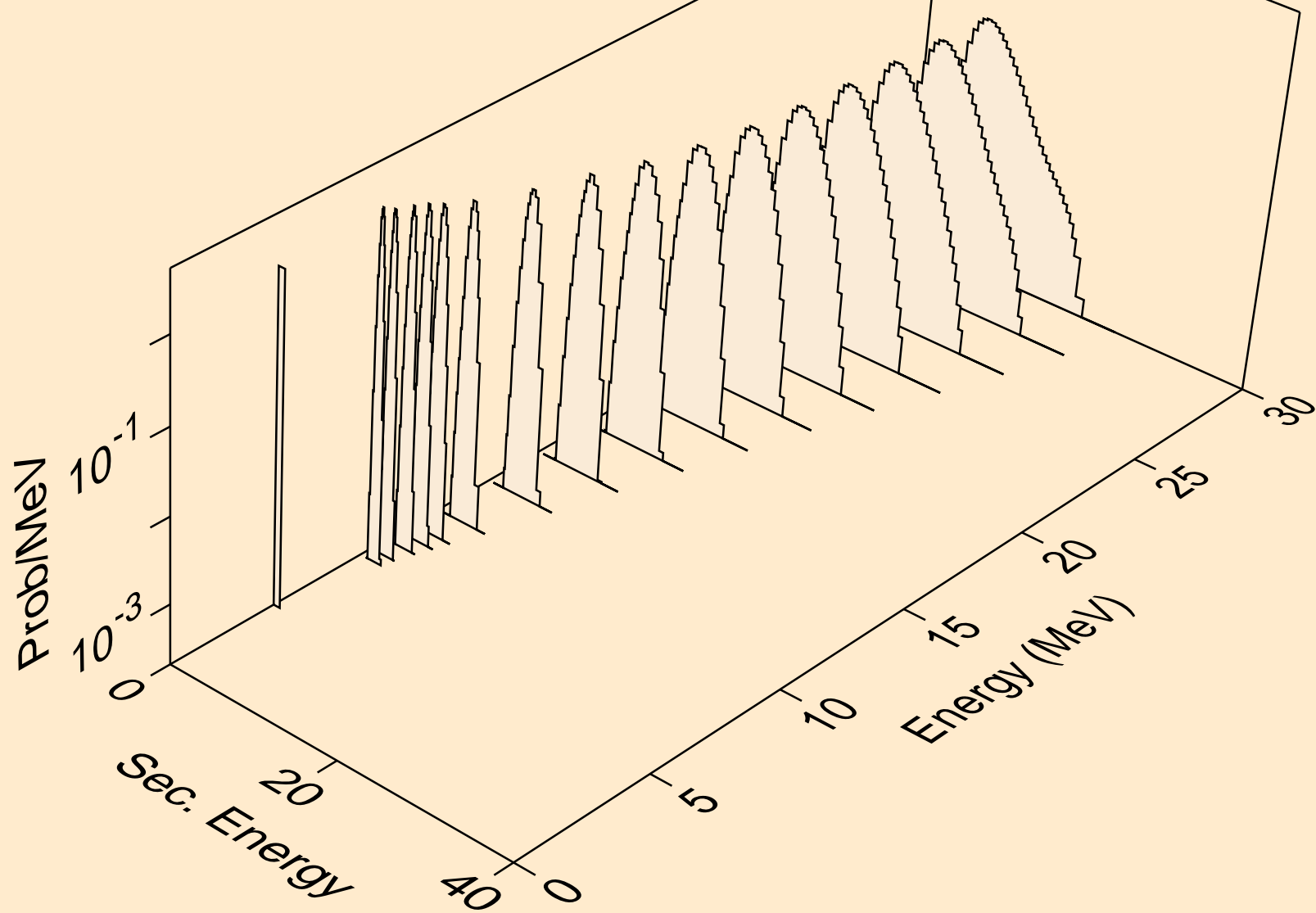
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protons from (n,2np)



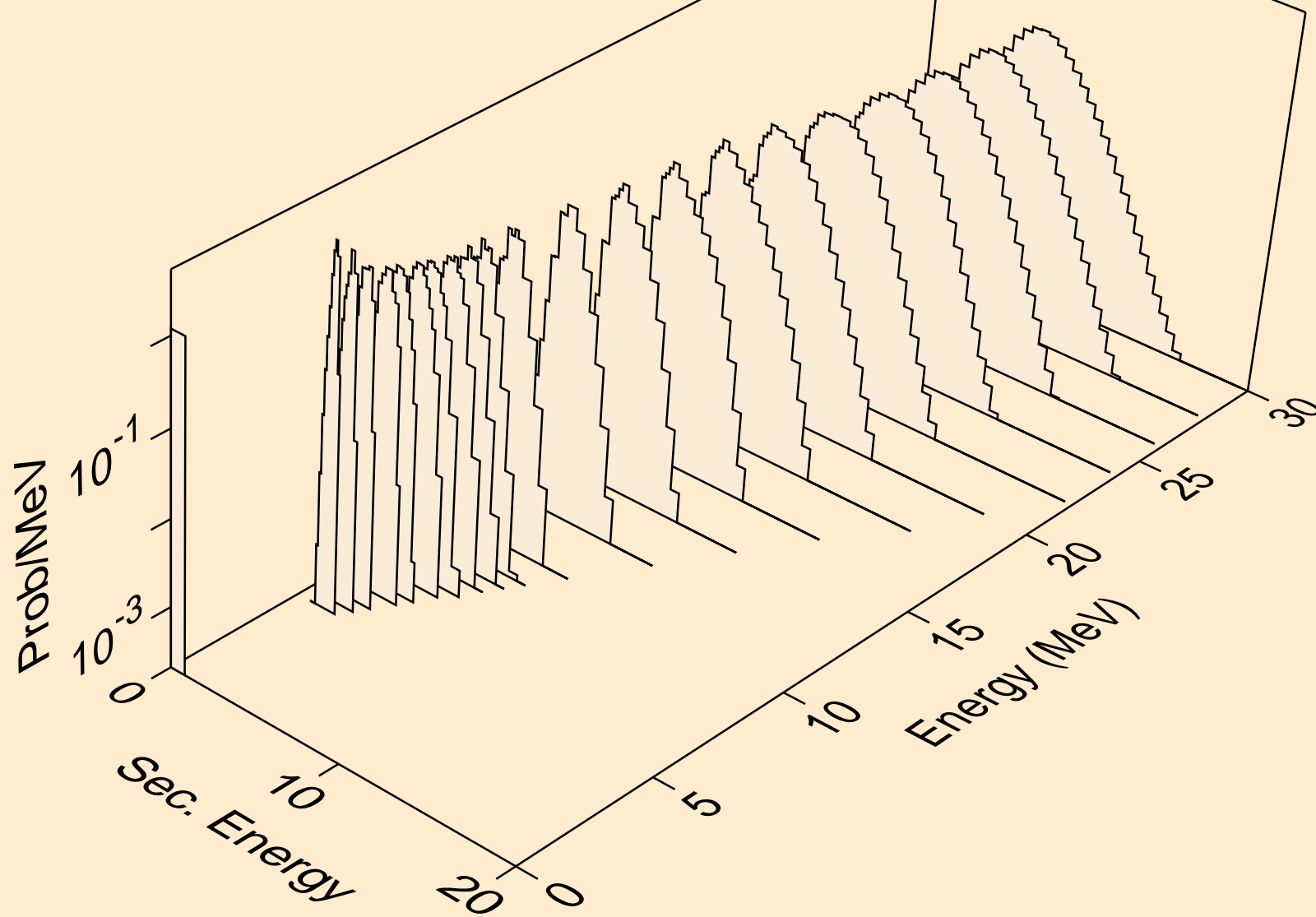
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protons from (n,3np)



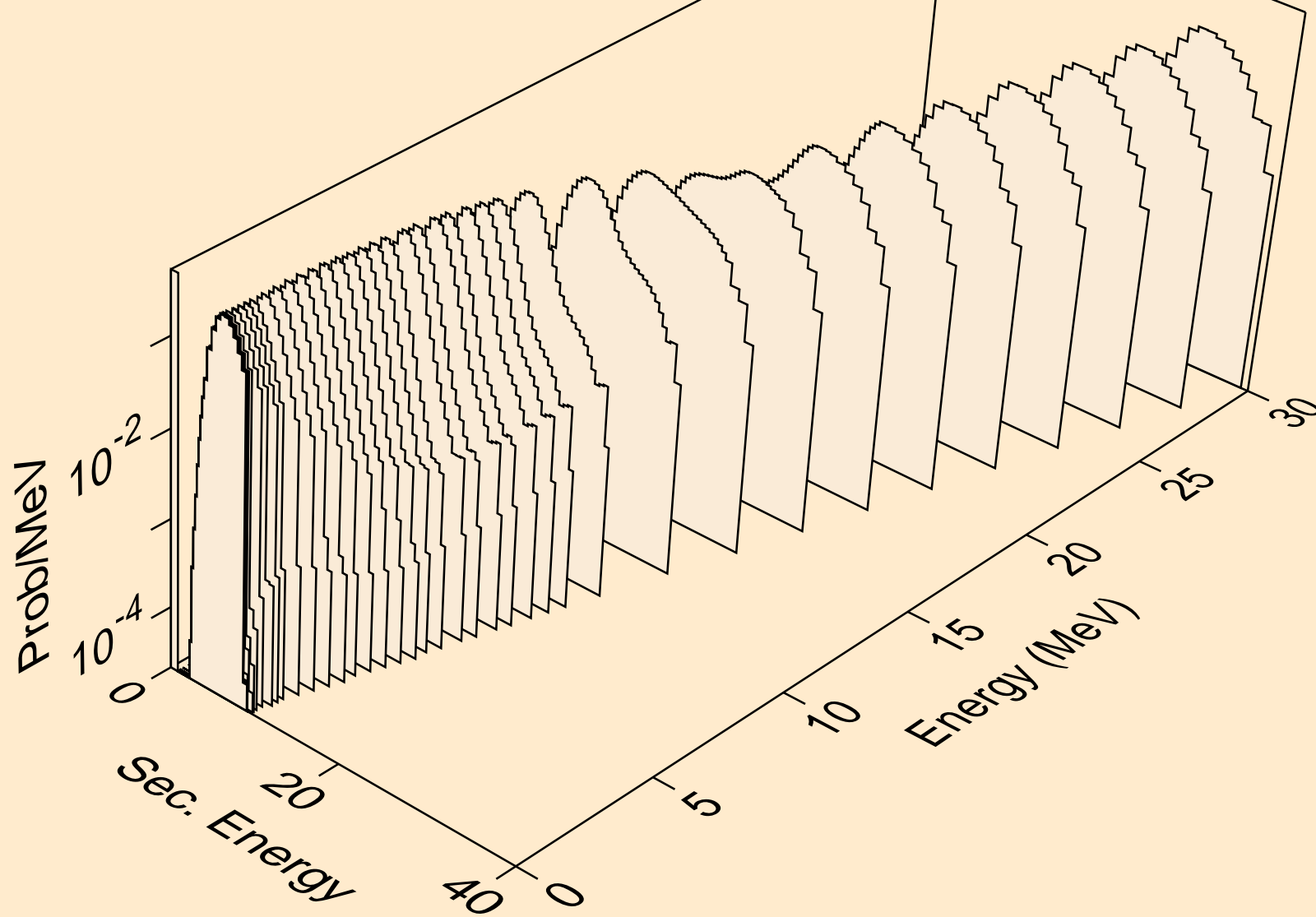
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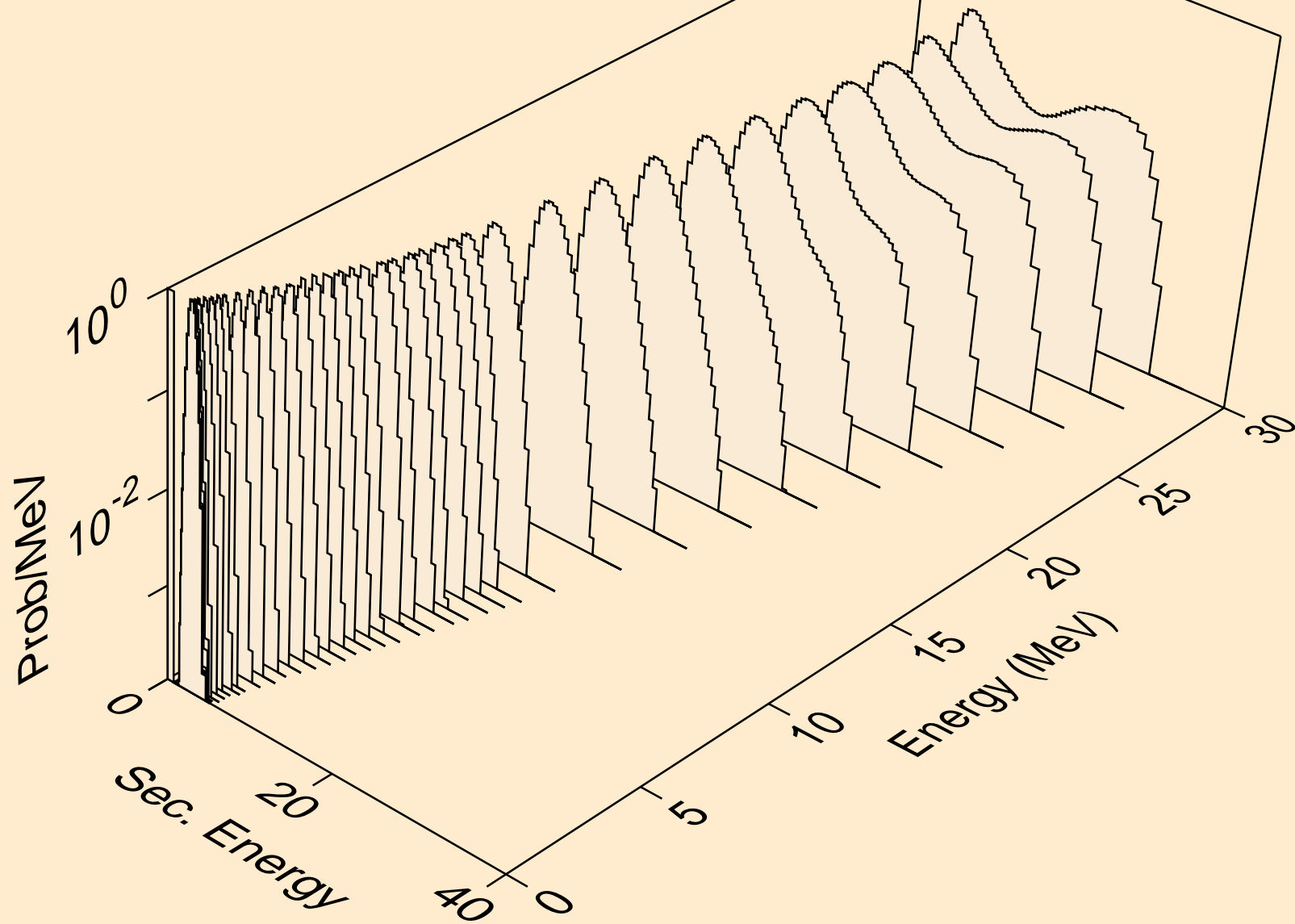
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protons from (n,npa)



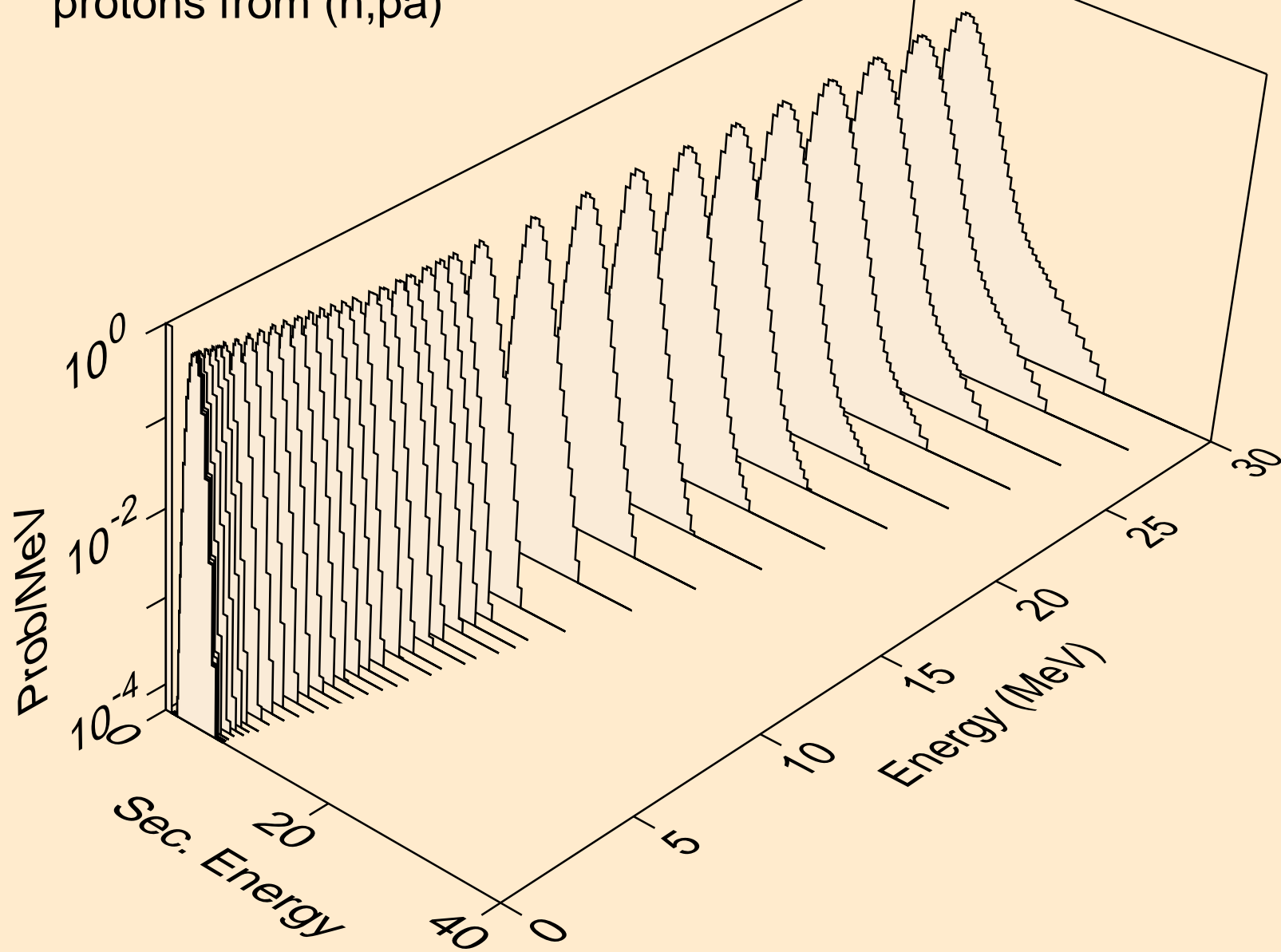
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protons from (n,p)



TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2p)

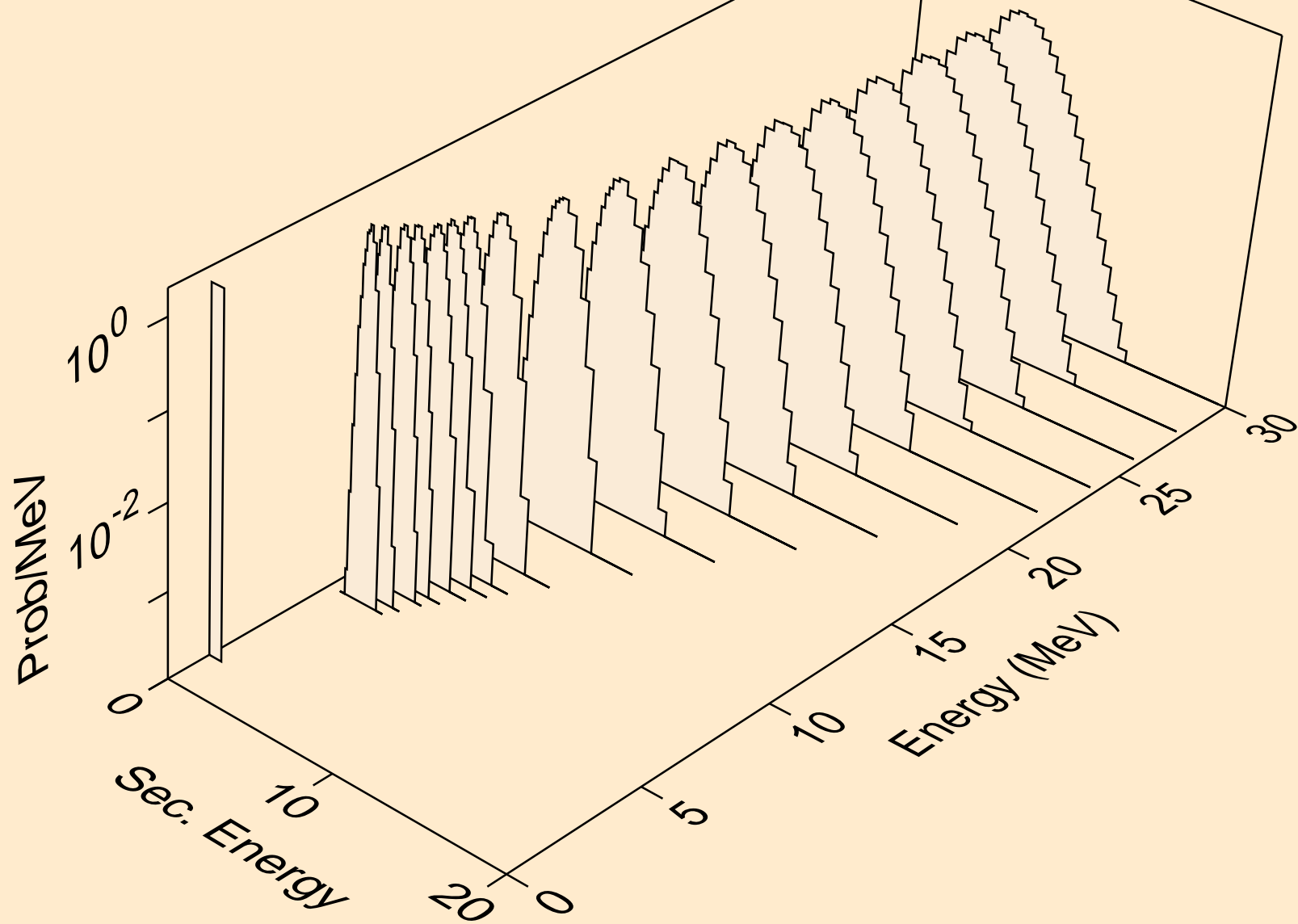


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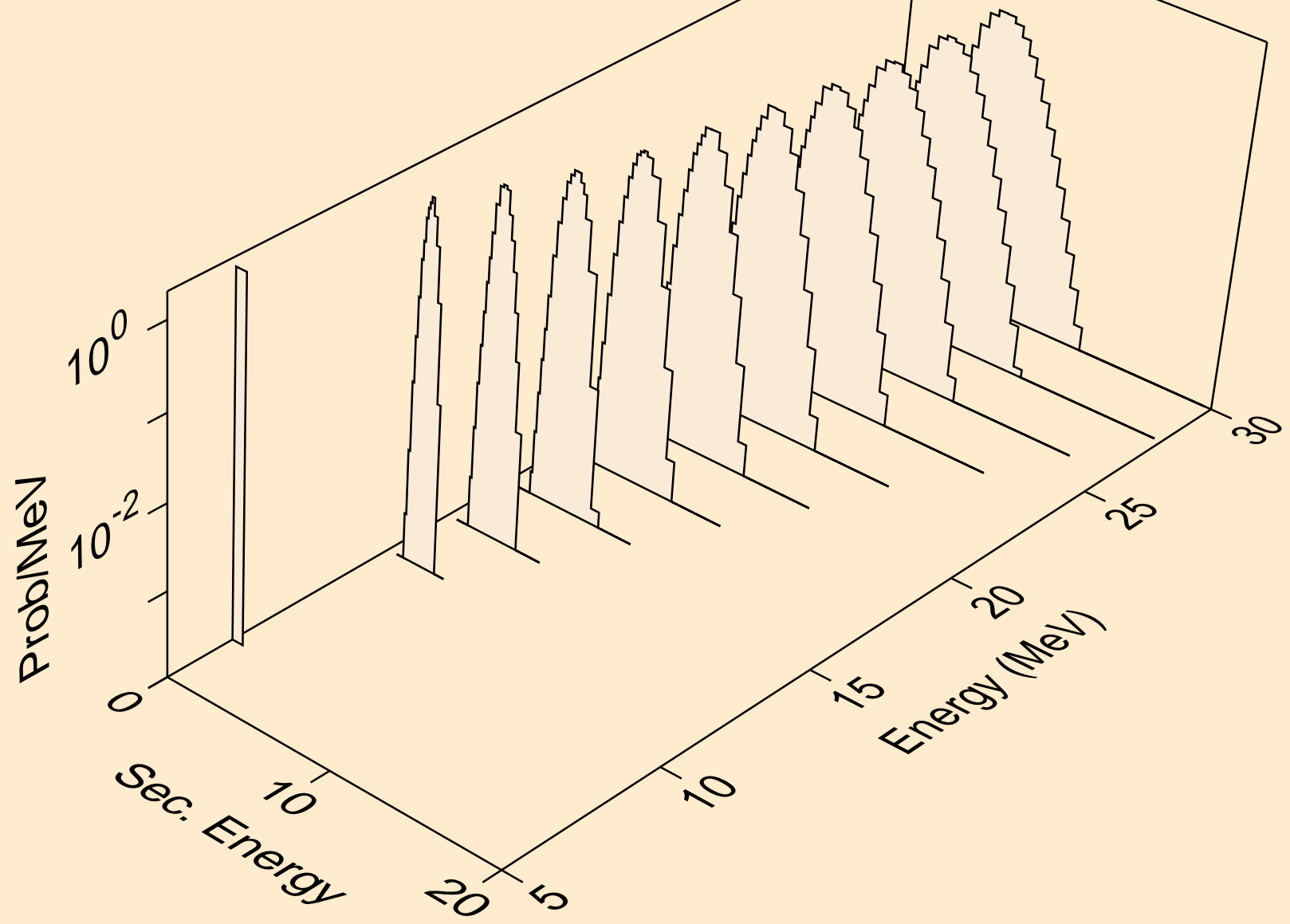




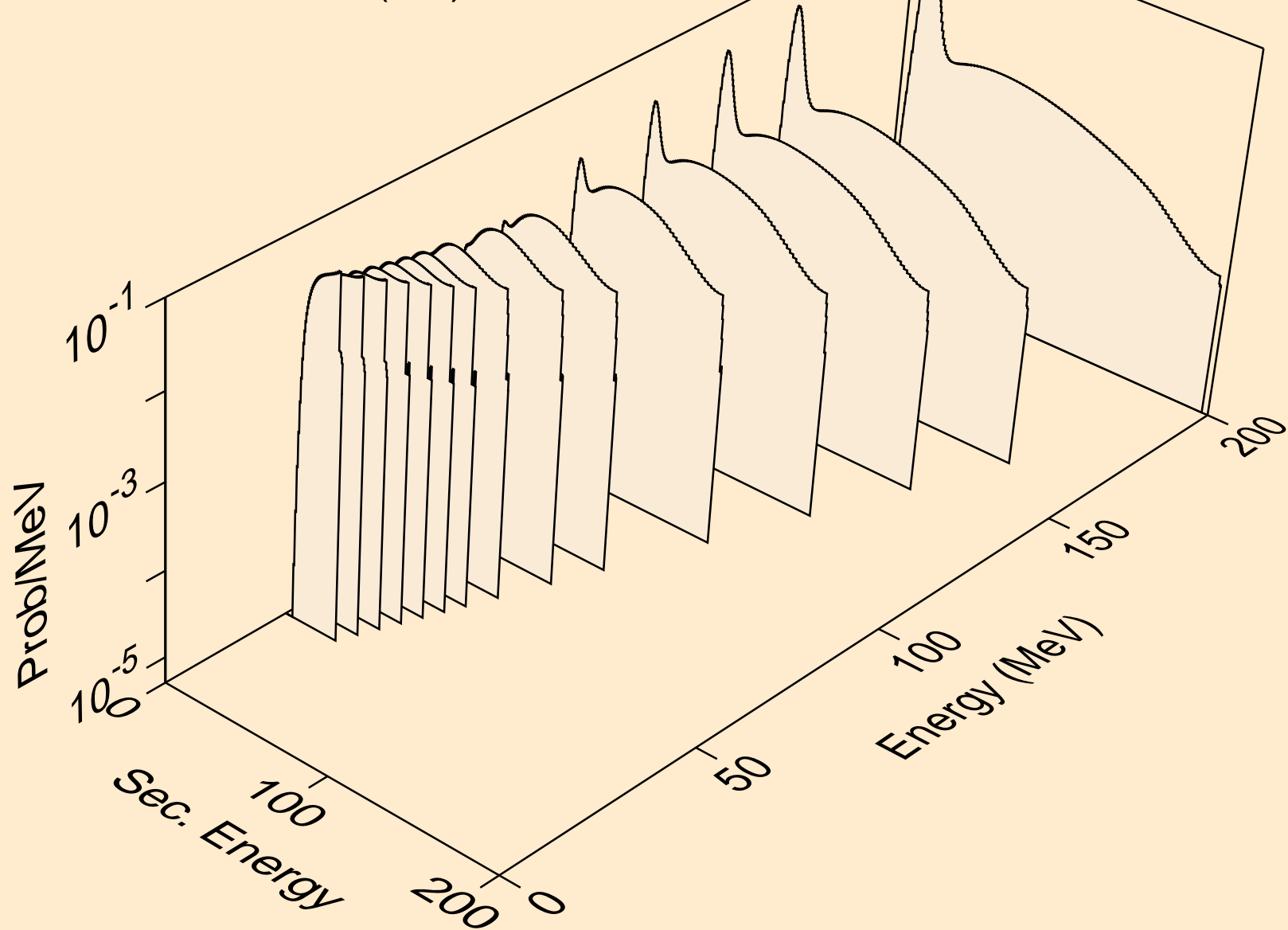
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protons from (n,pd)



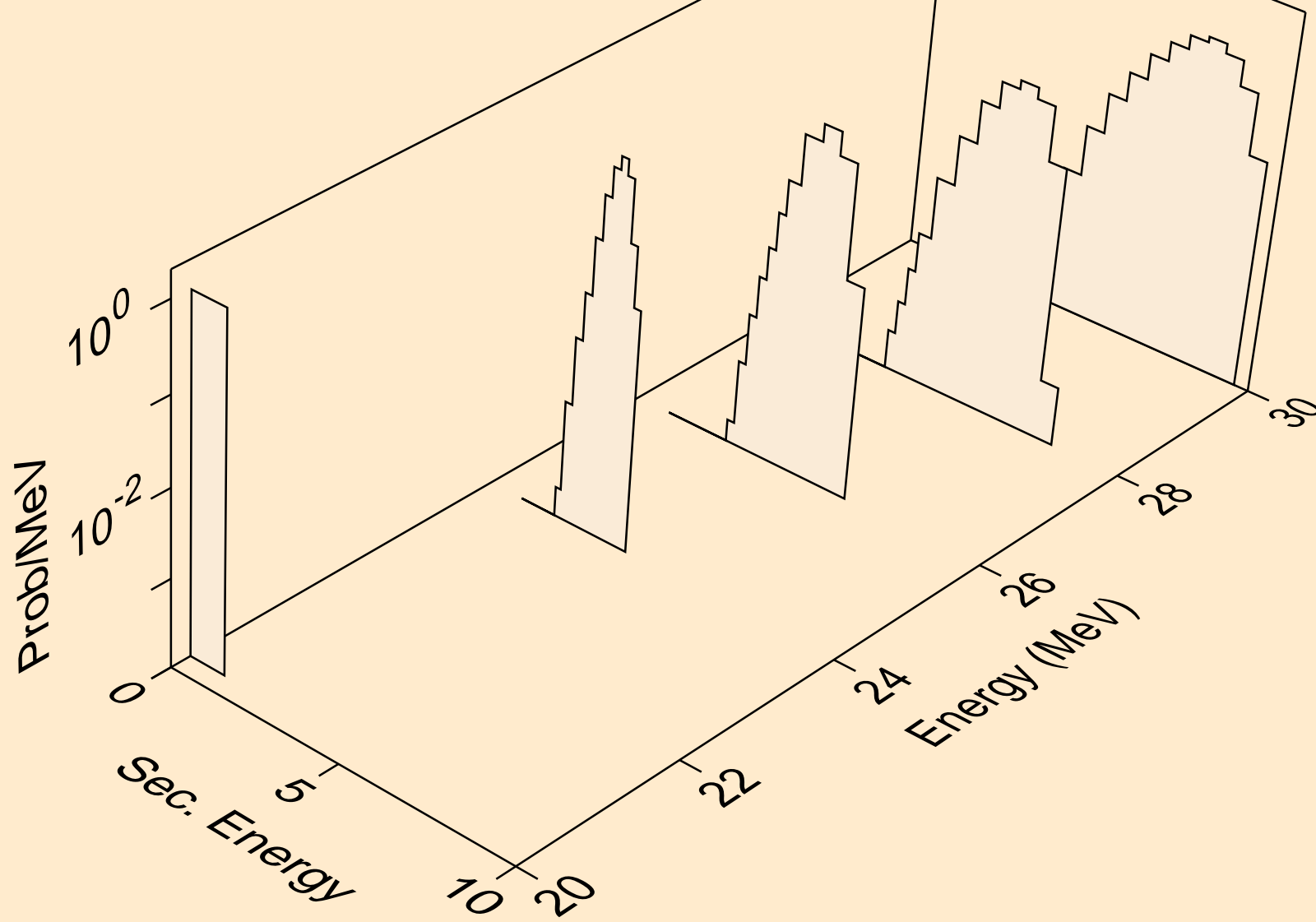
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protons from (n,pt)



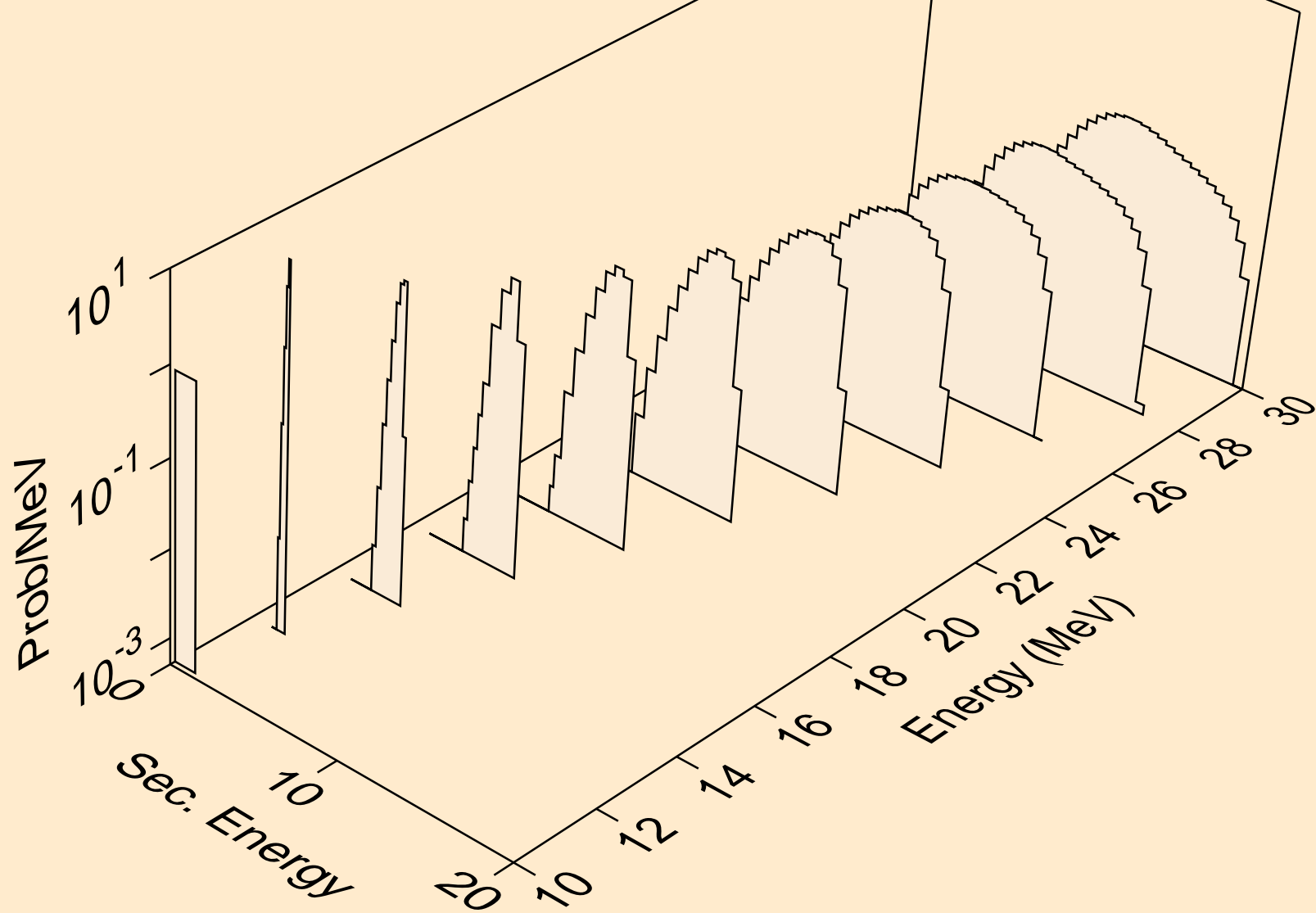
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deuterons from (n,x)



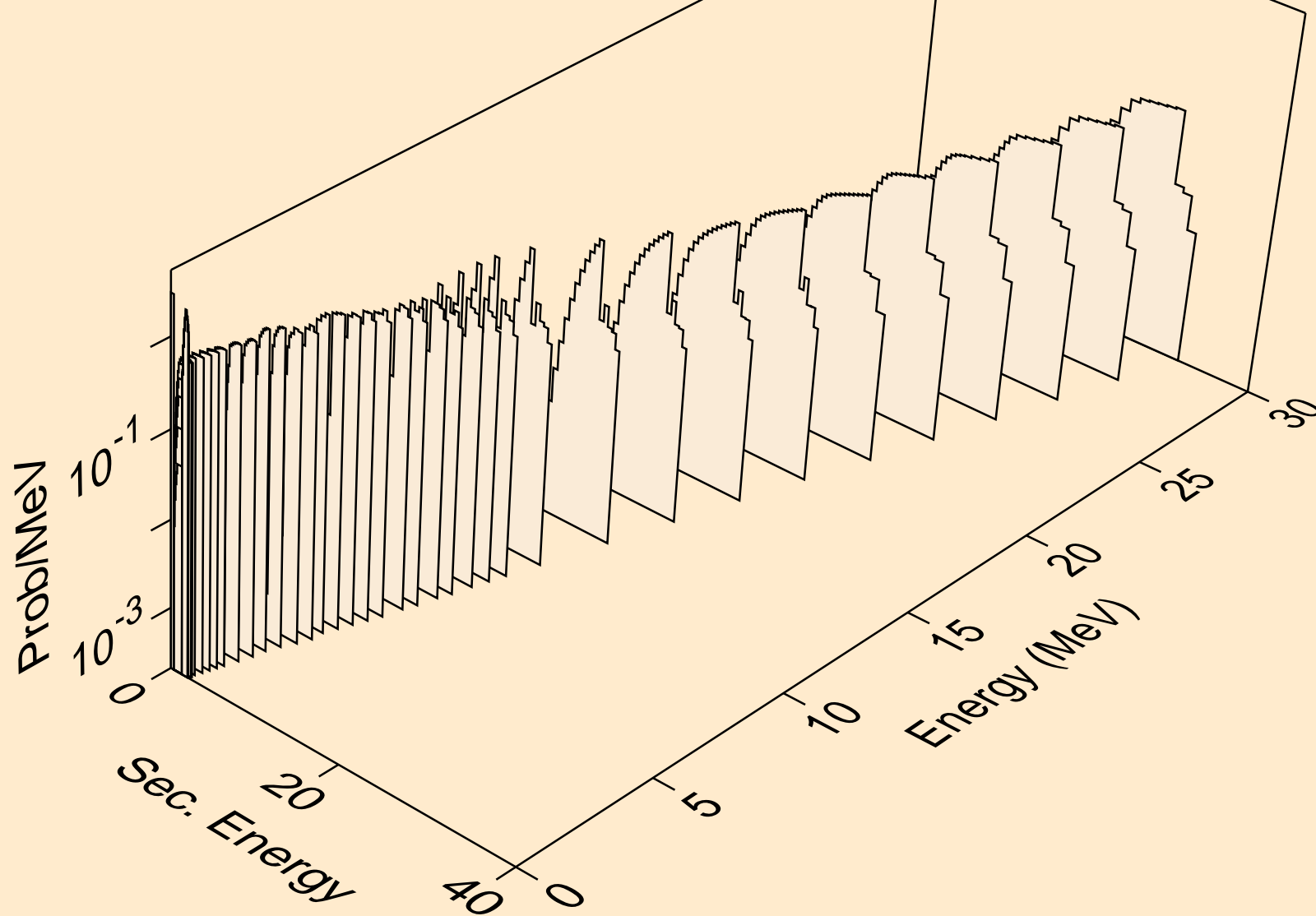
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deuterons from (n,2nd)



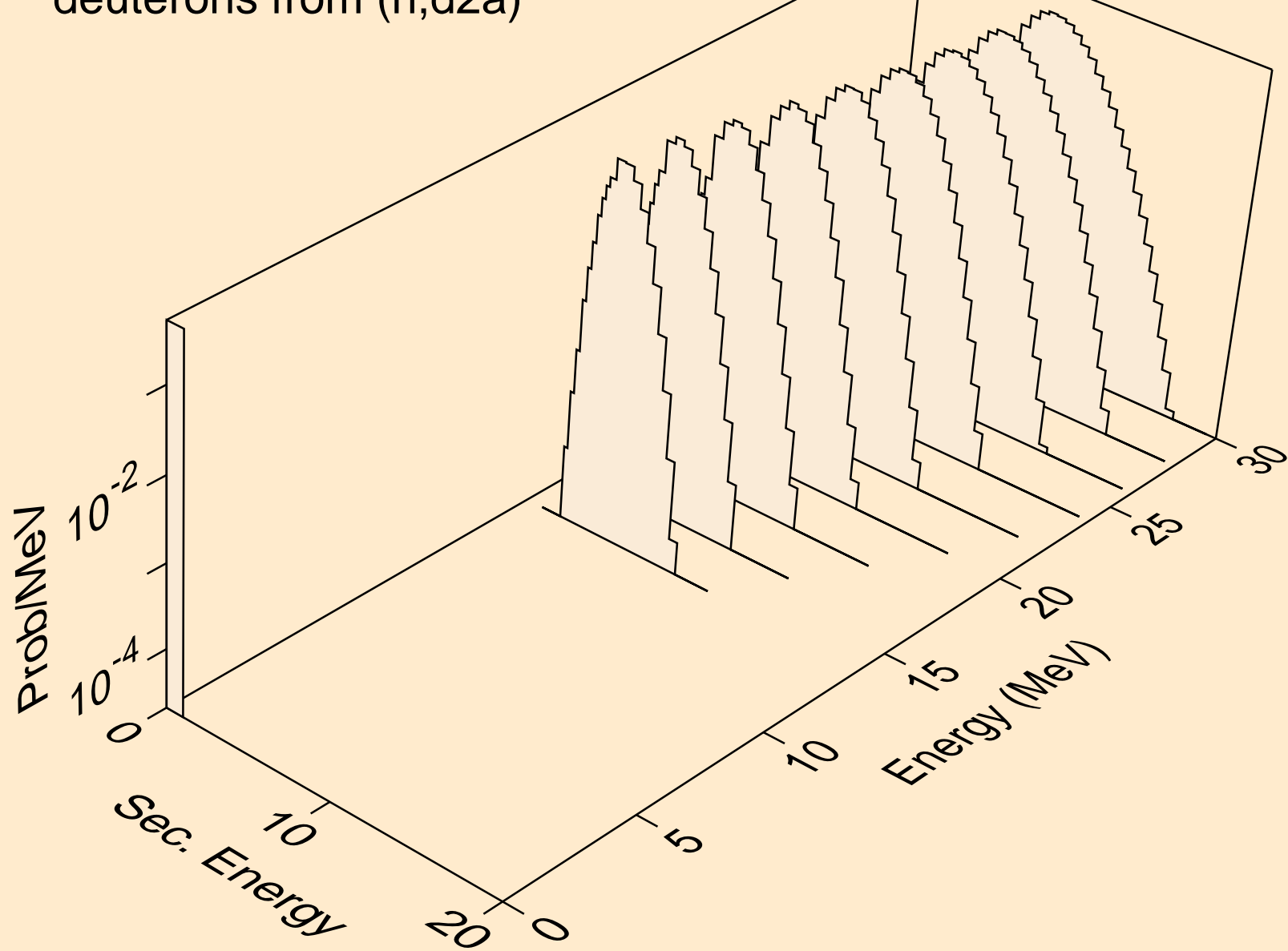
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deuterons from (n,n\*)d



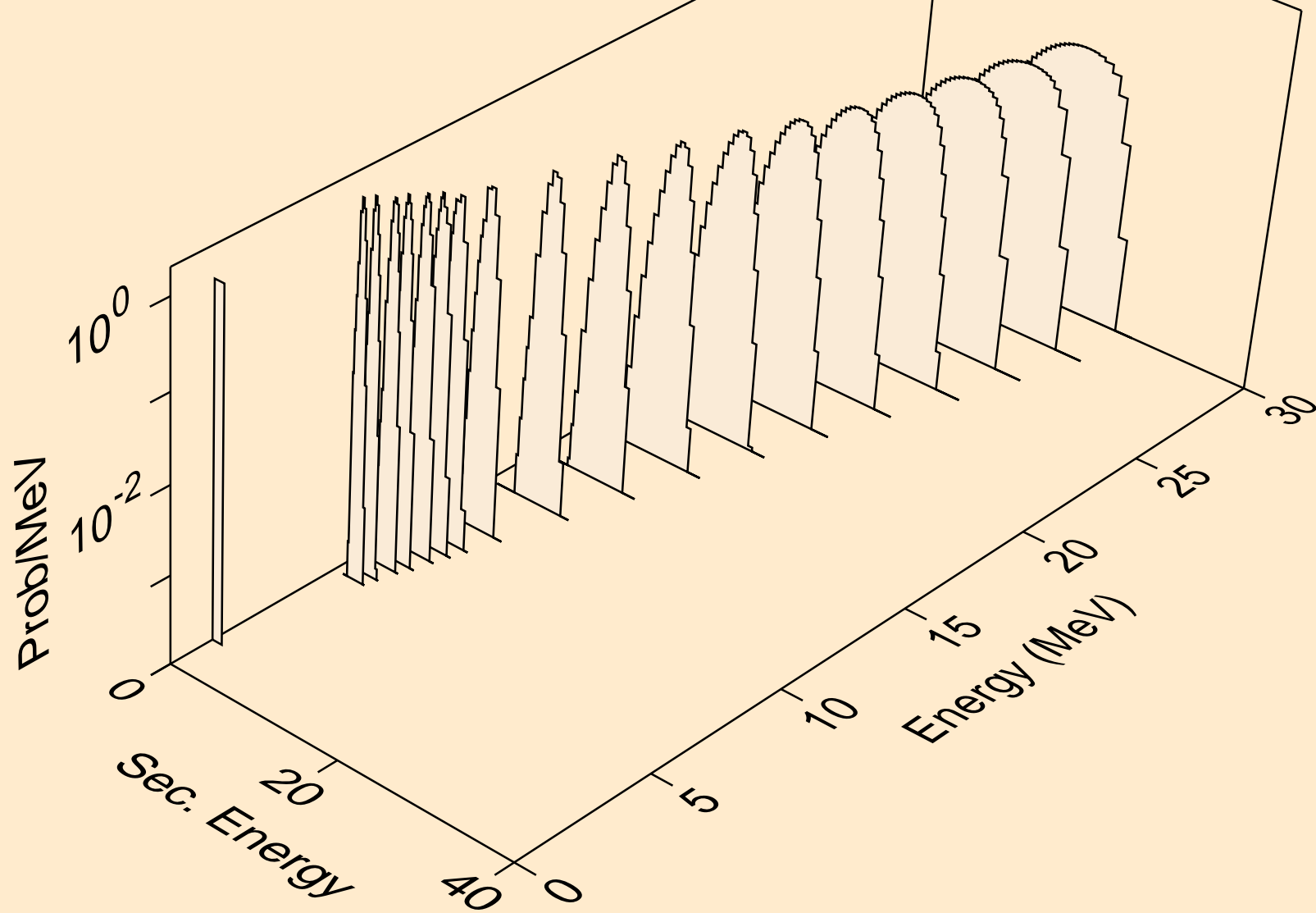
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deuterons from (n,d)



TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d2a)

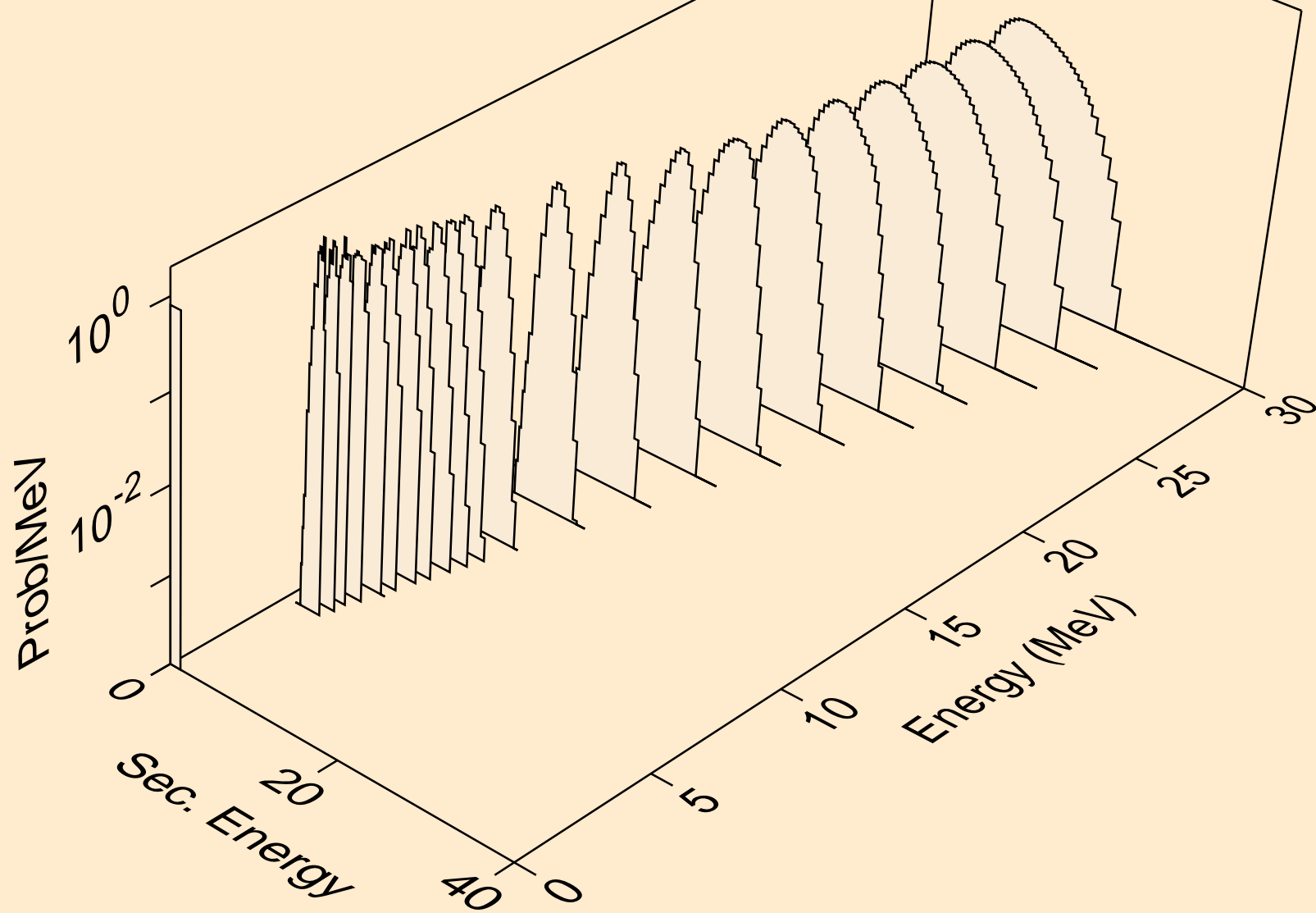


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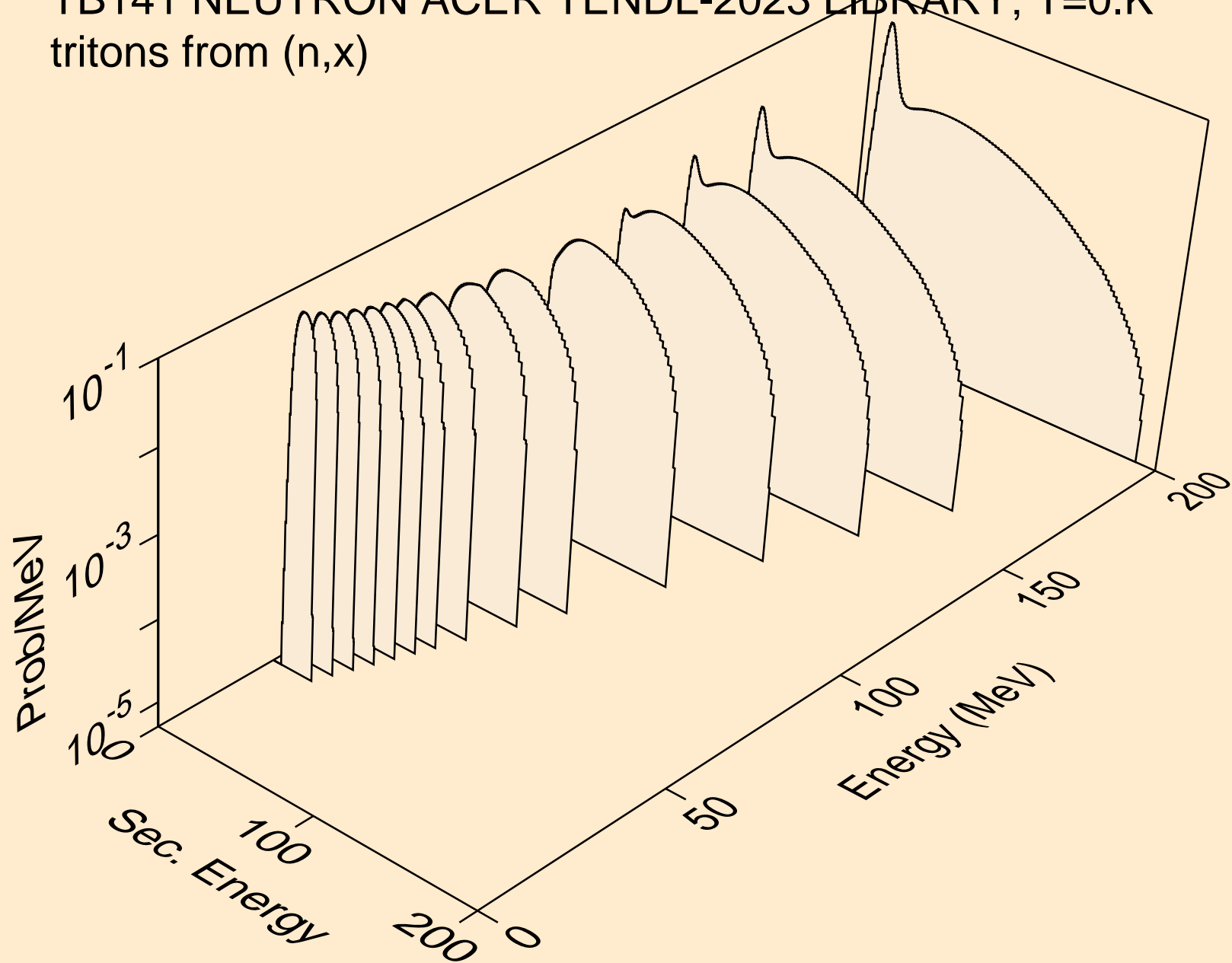




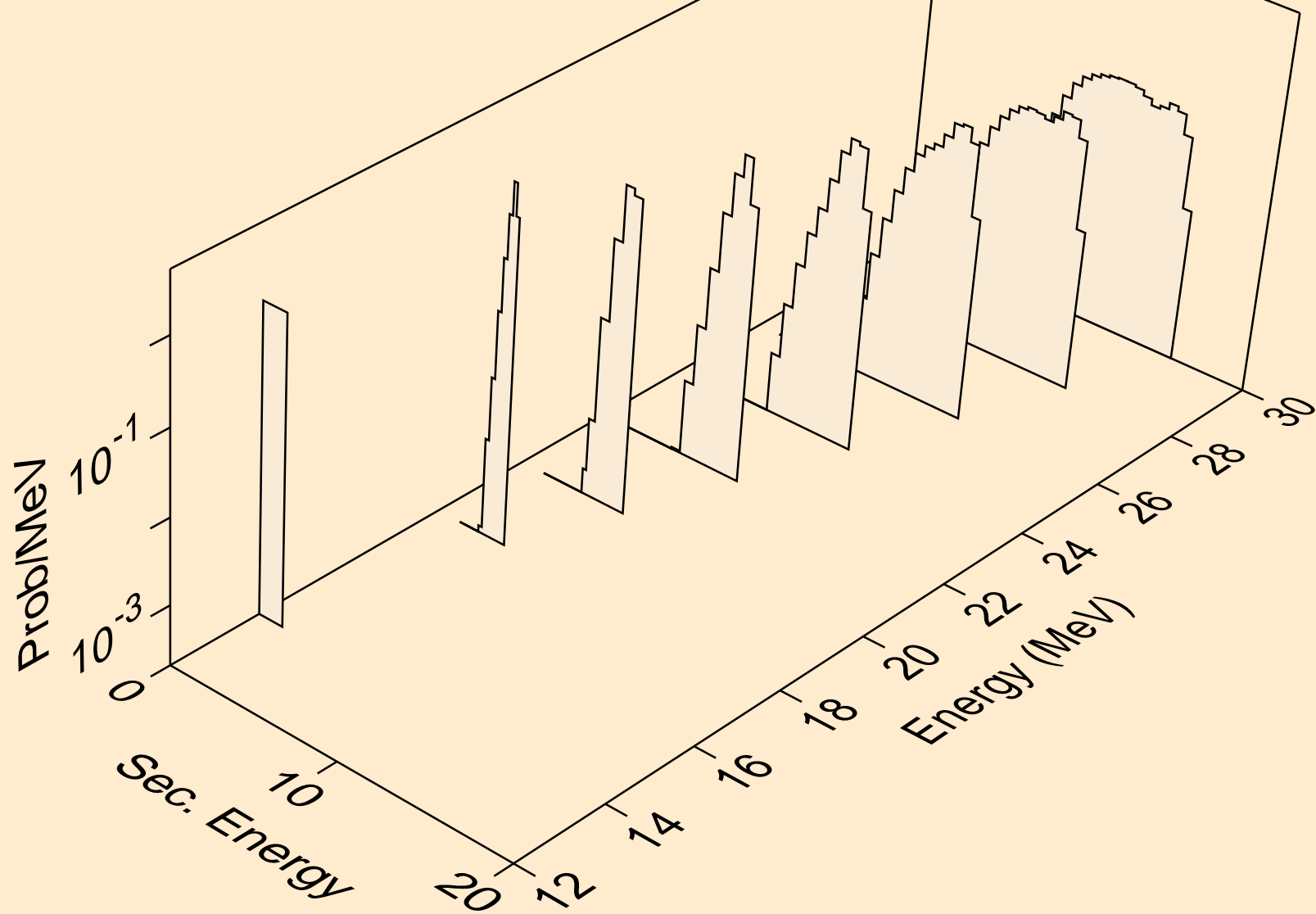
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deuterons from (n,da)



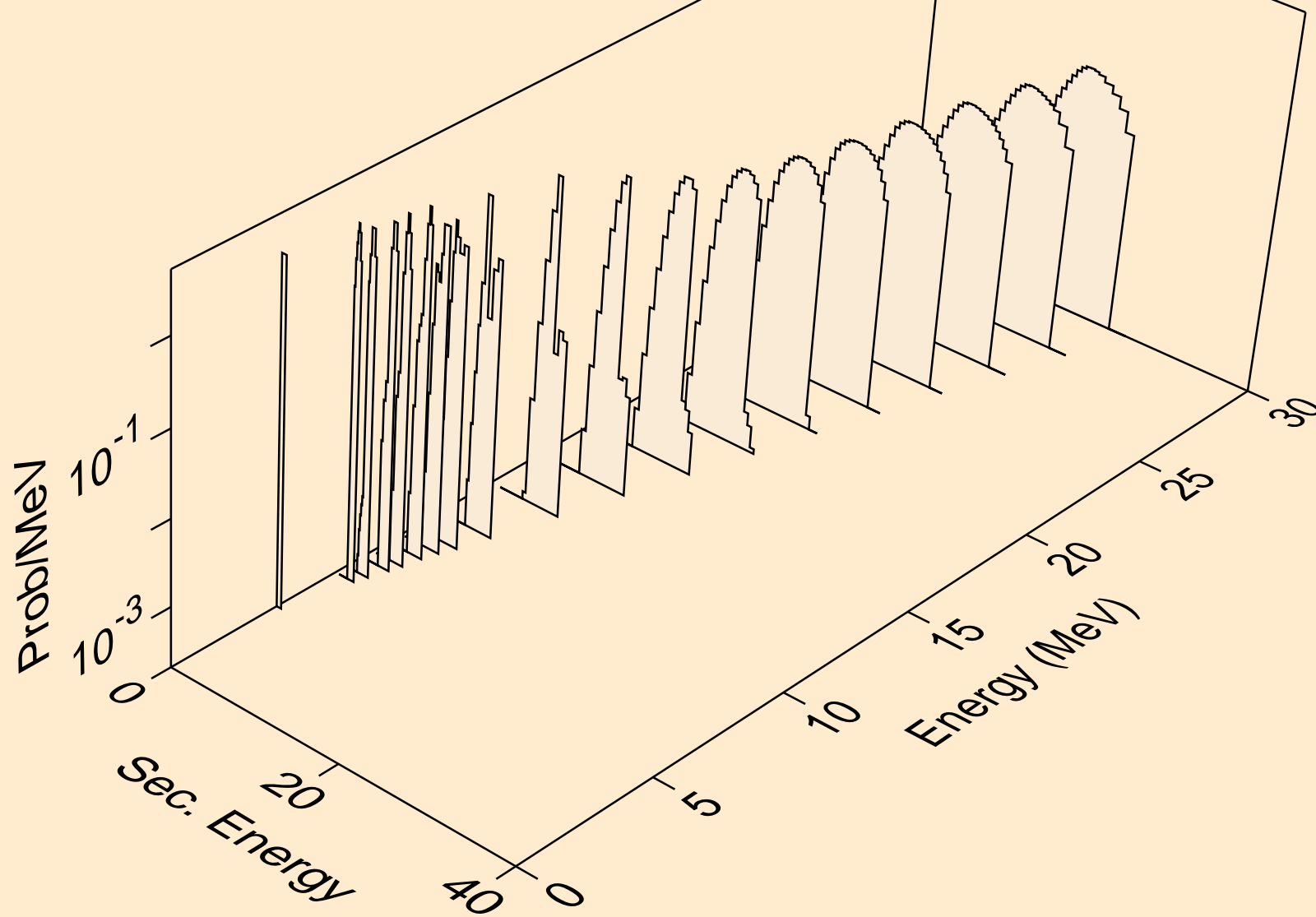
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tritons from (n,x)



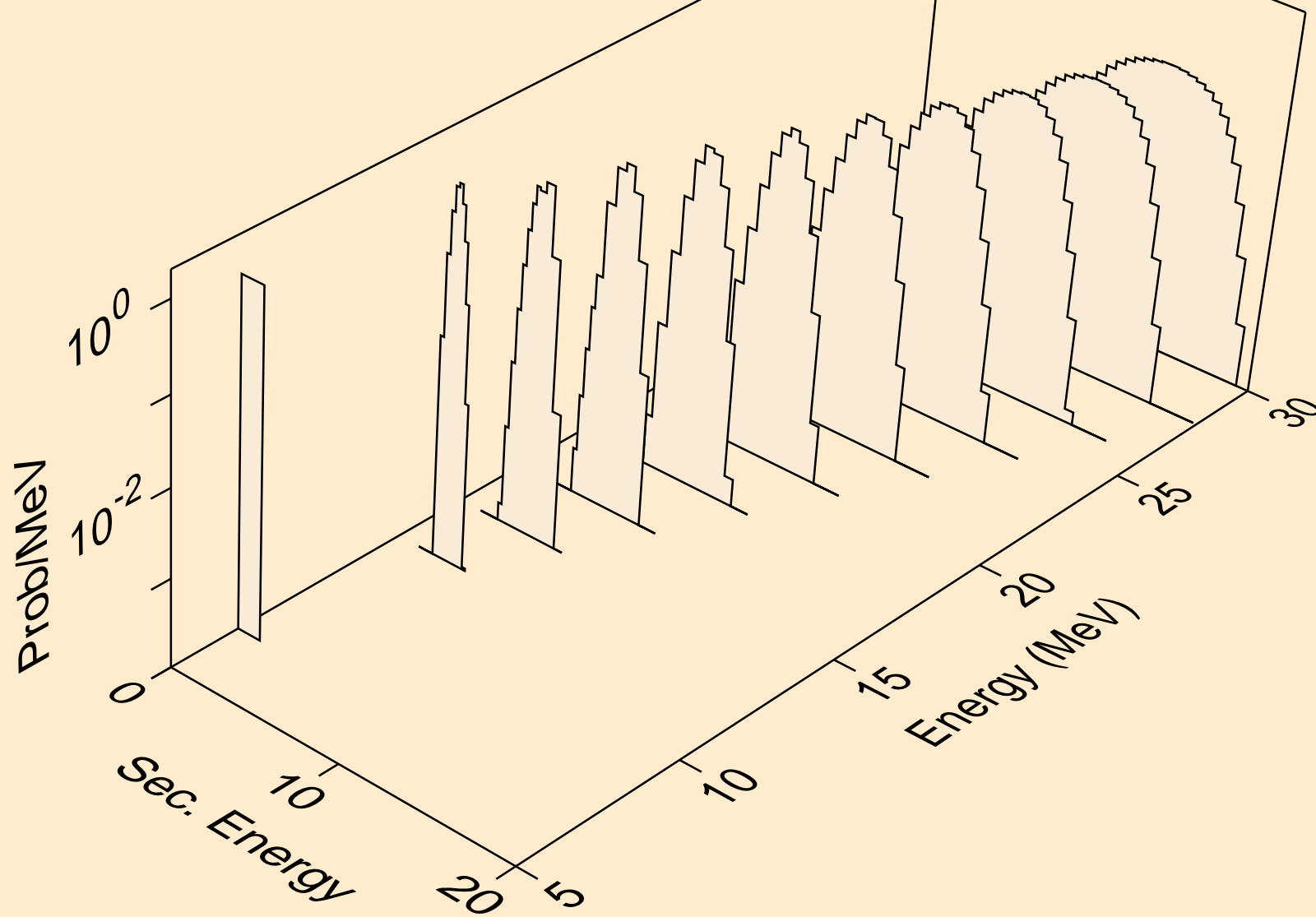
TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



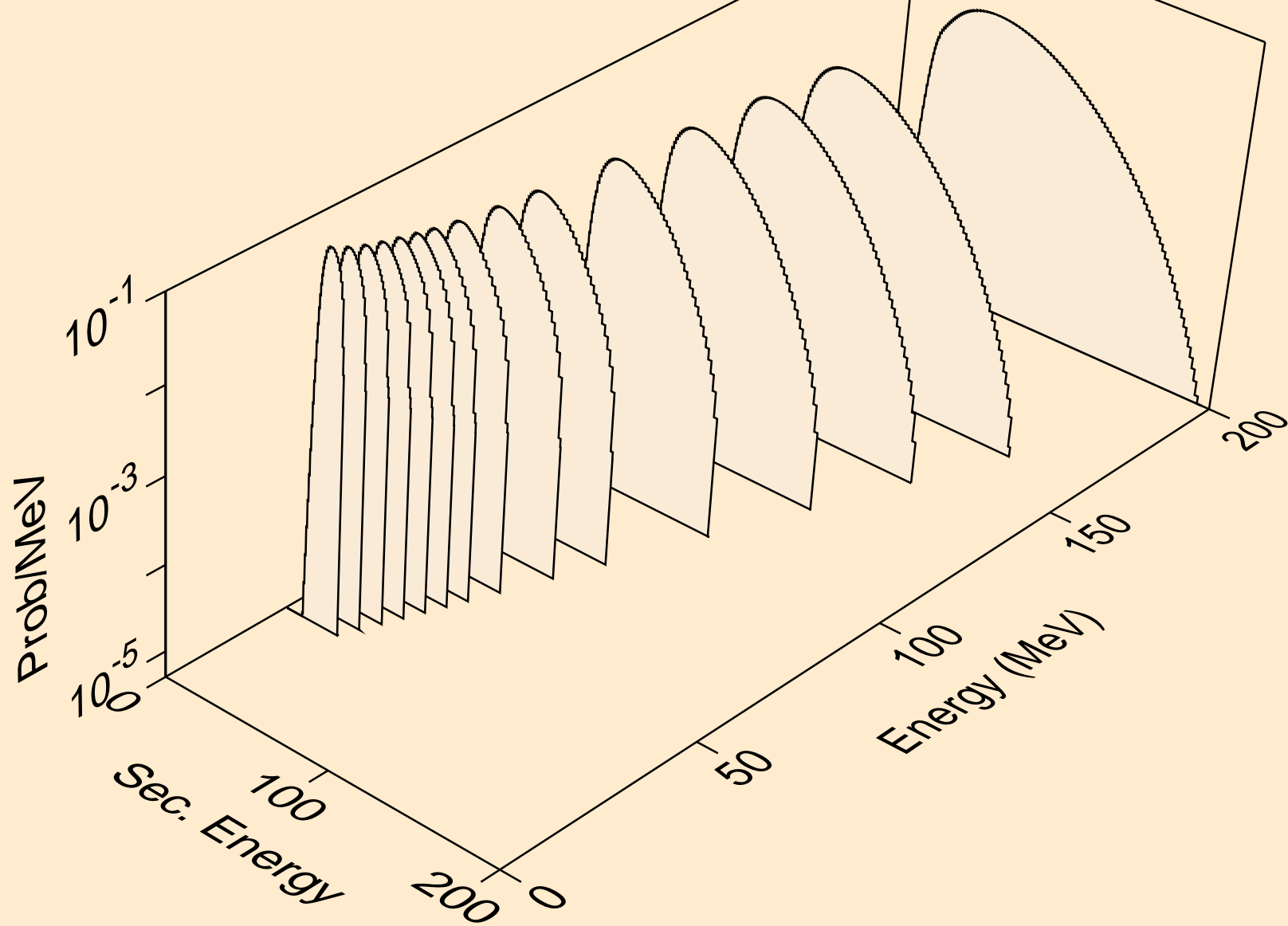
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tritons from (n,t)



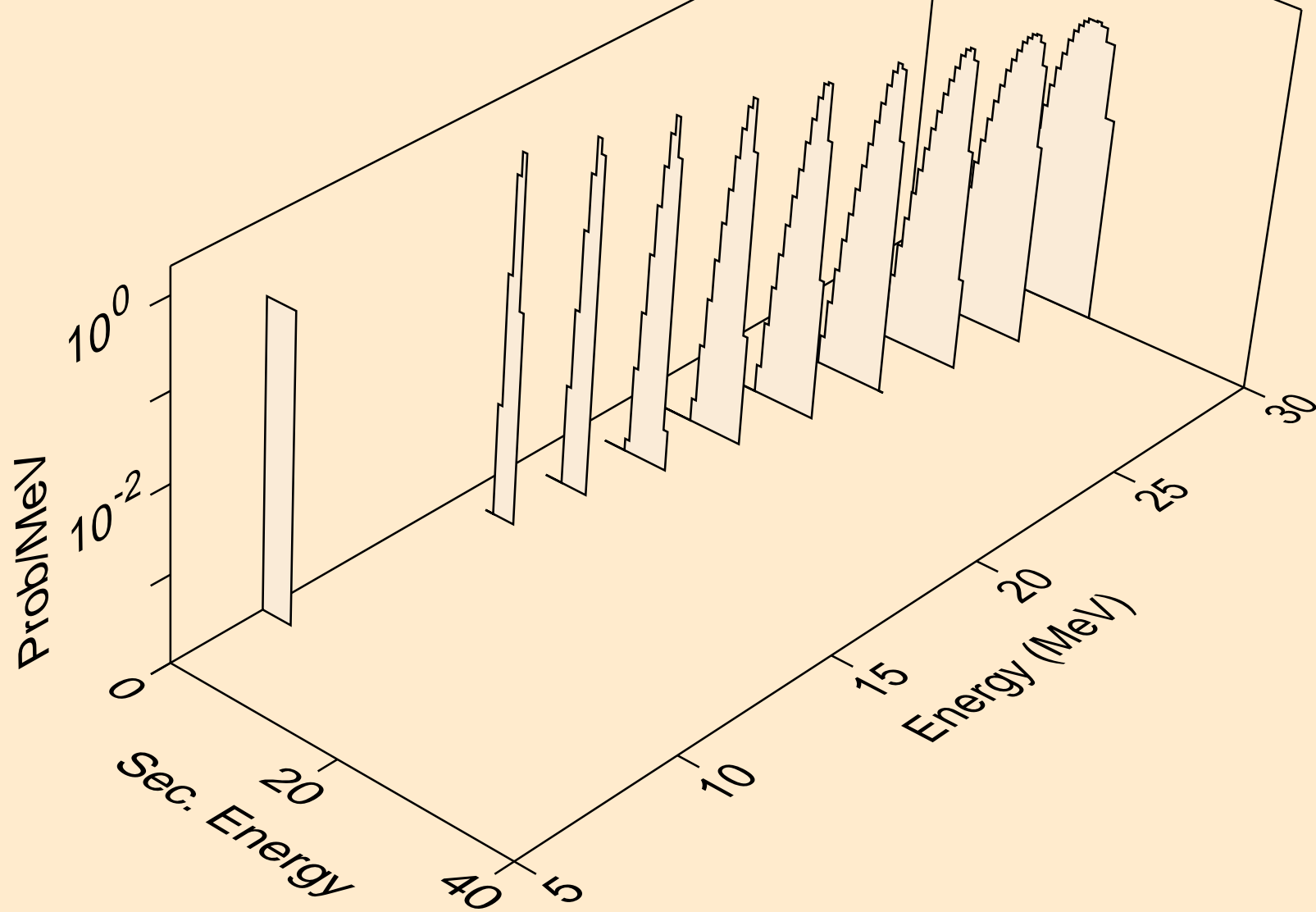
TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)



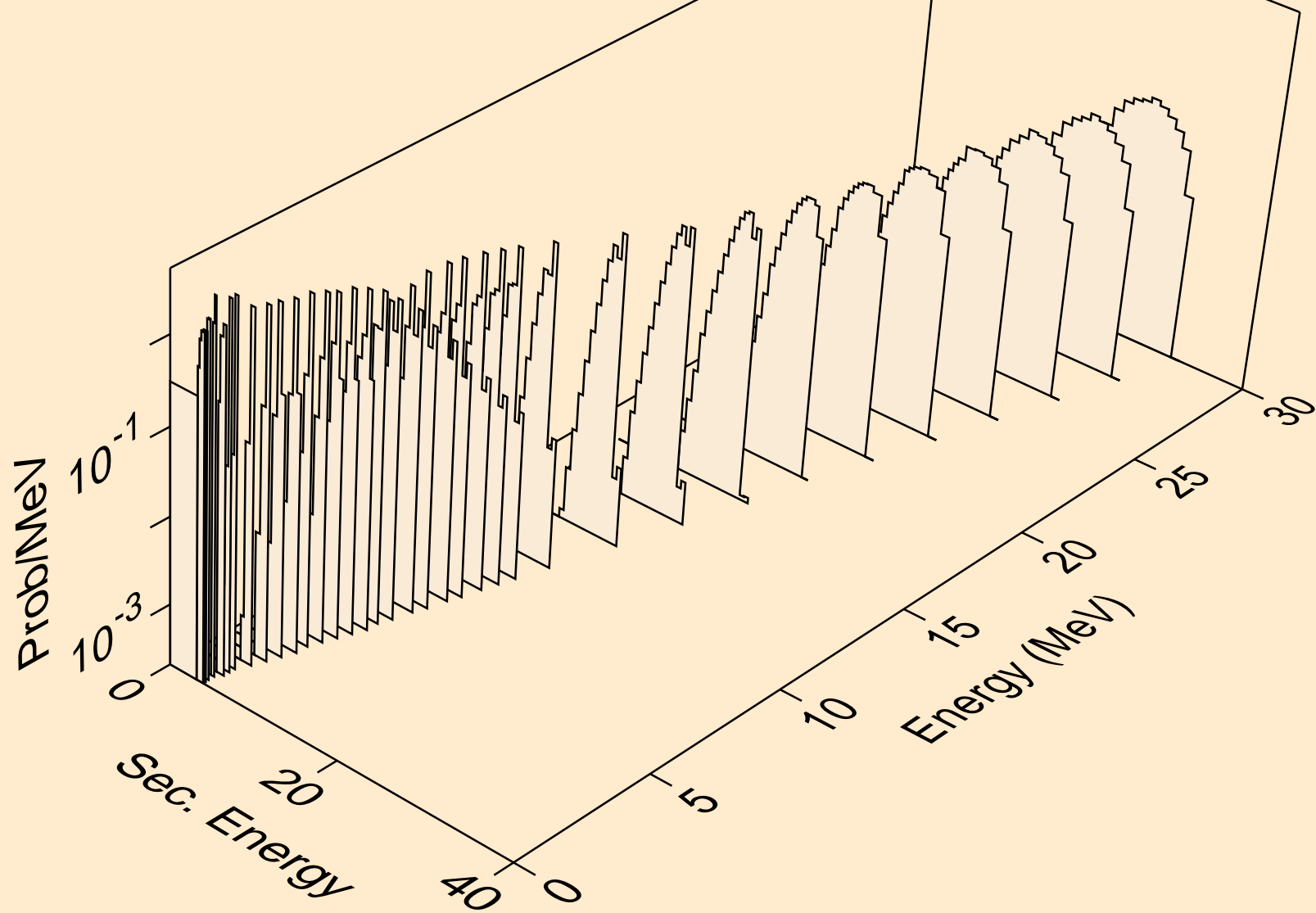
TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3

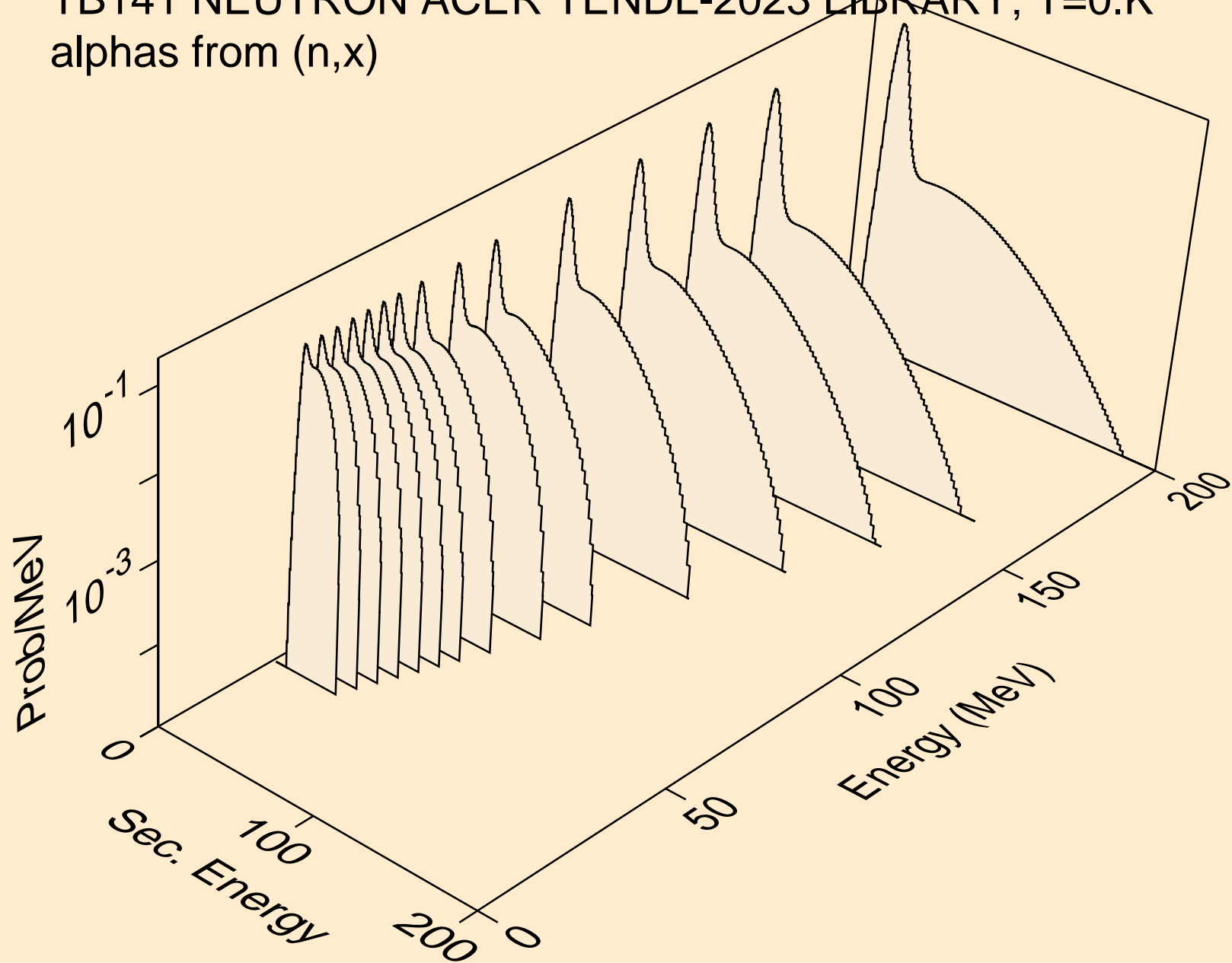


TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)

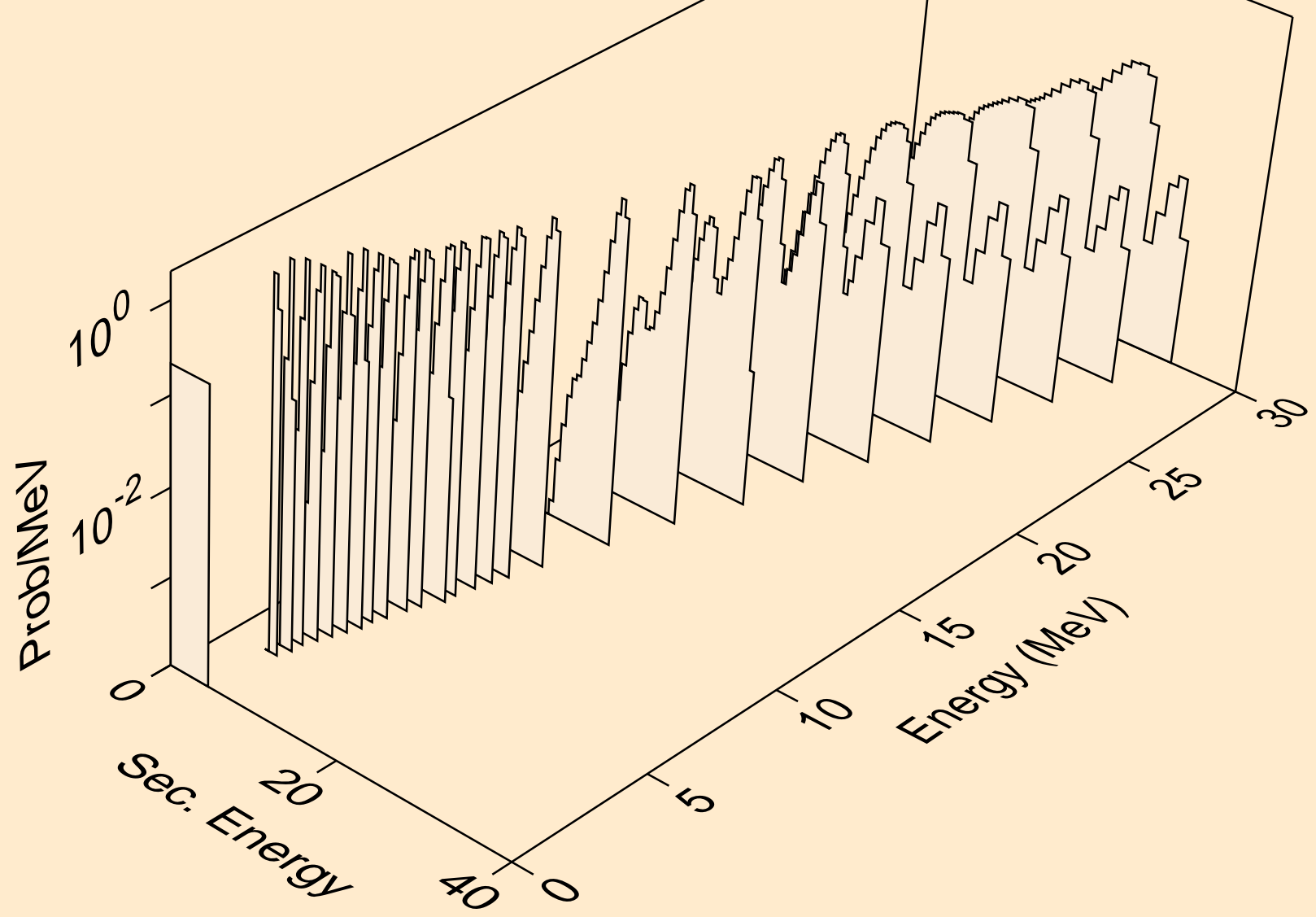




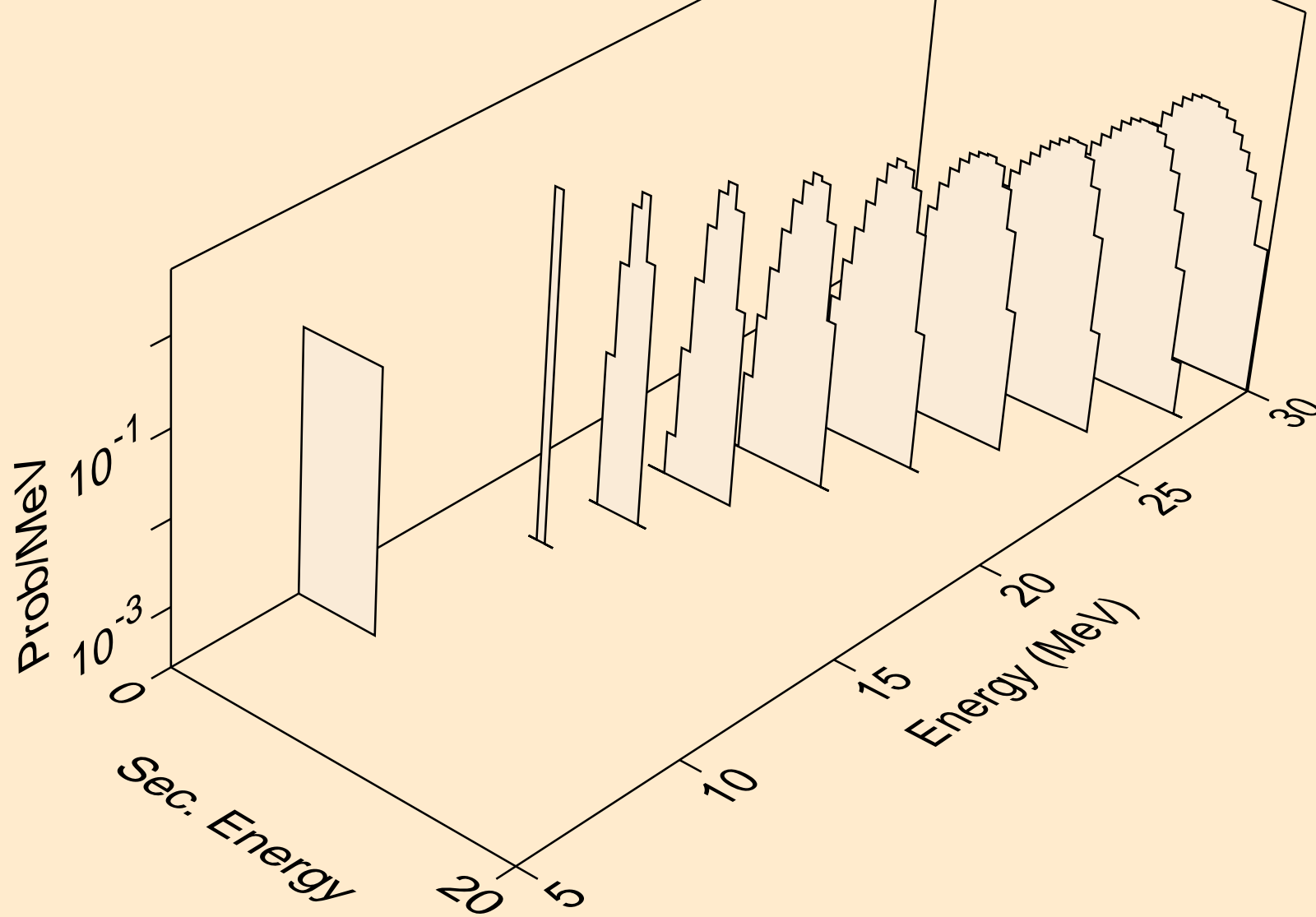
TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



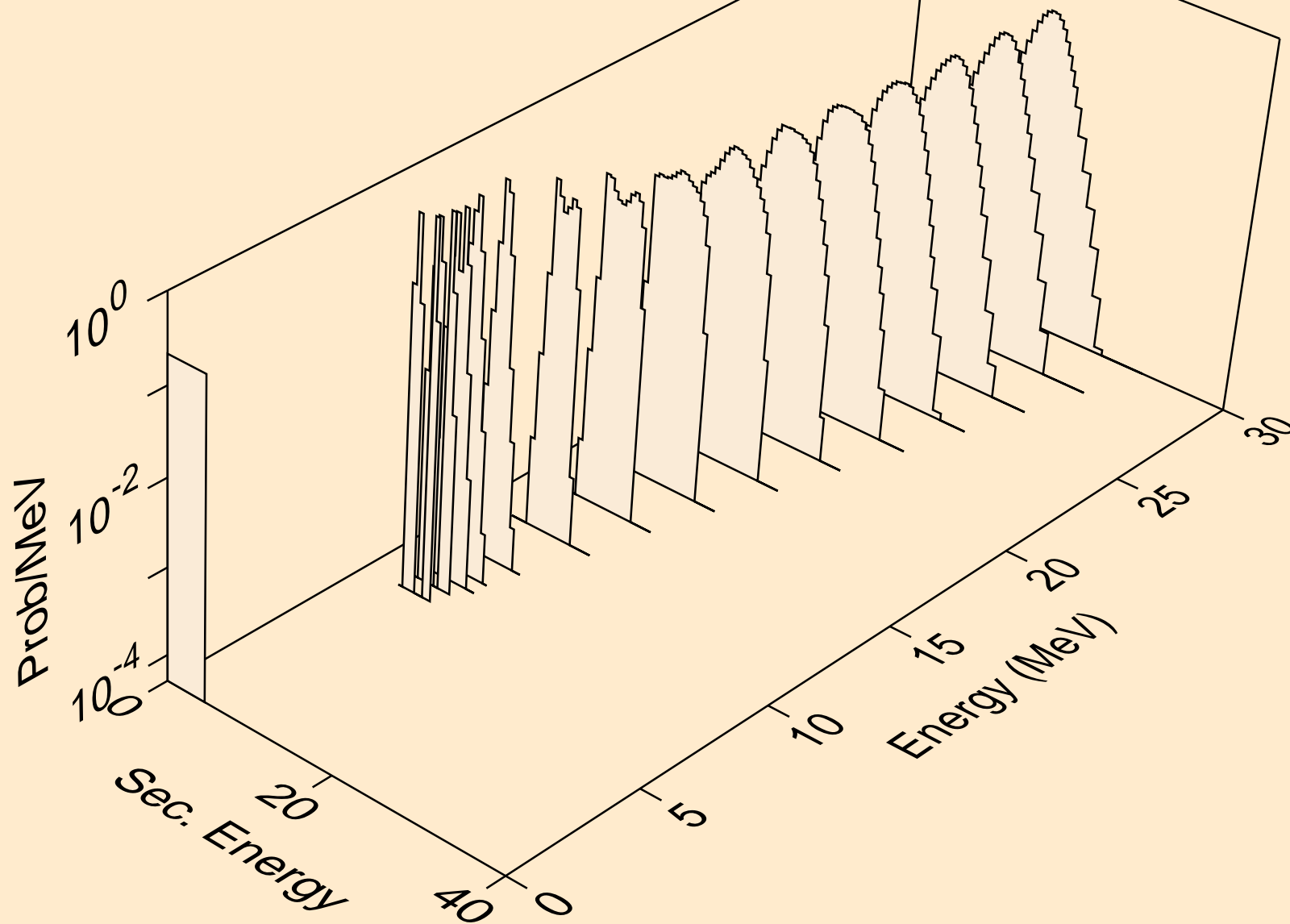
TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



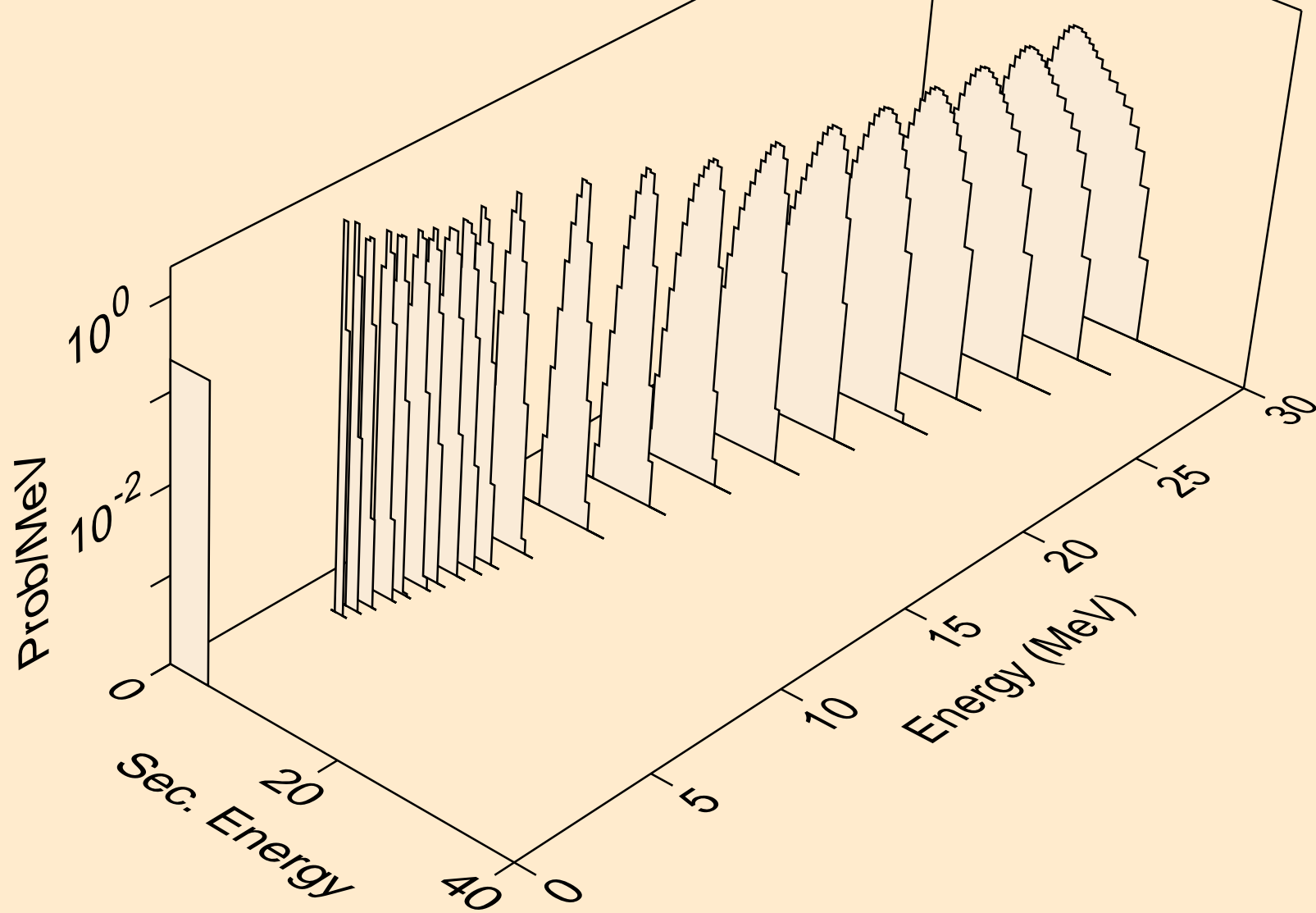
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alphas from (n,2n)a



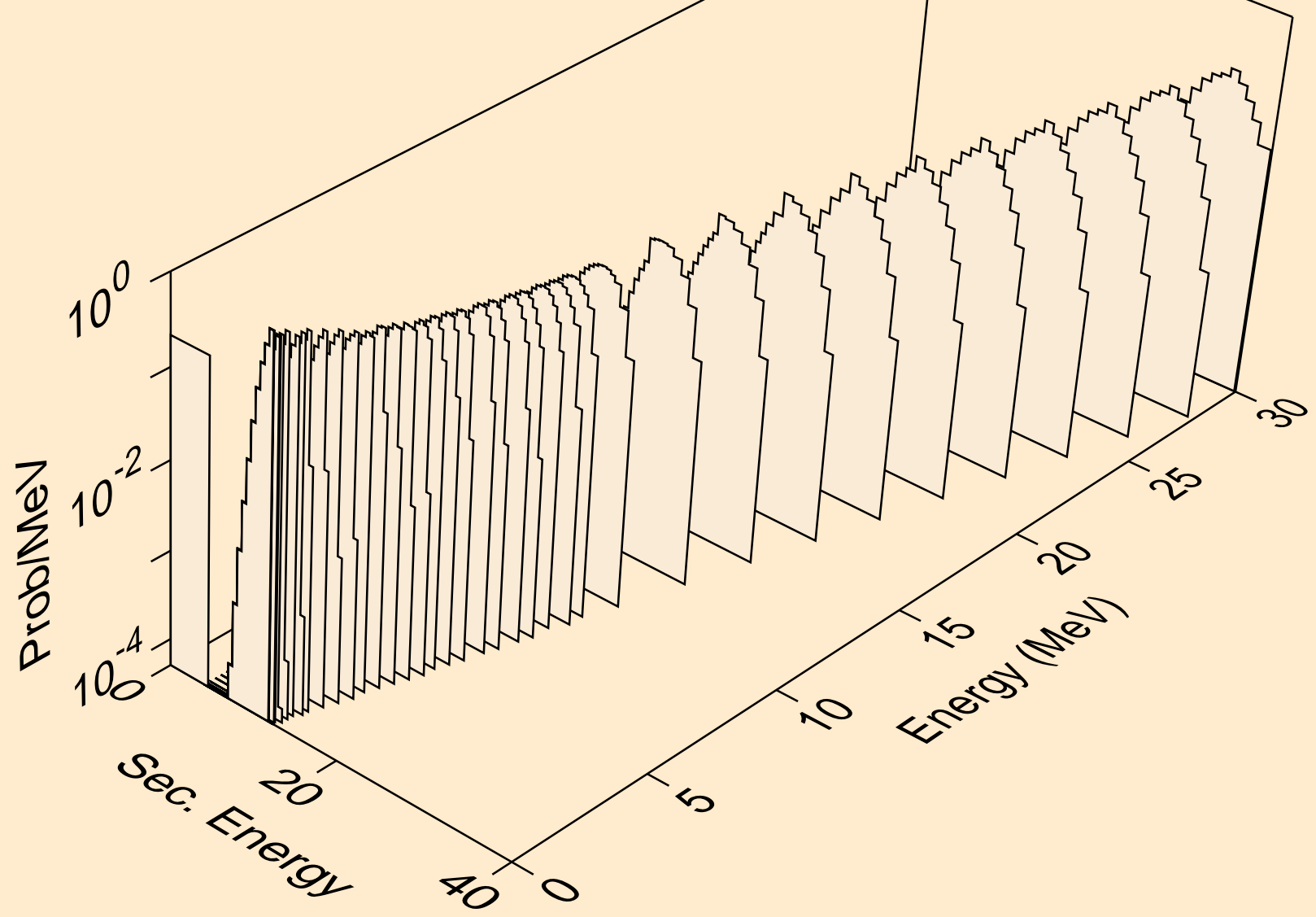
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alphas from (n,n\*)2a



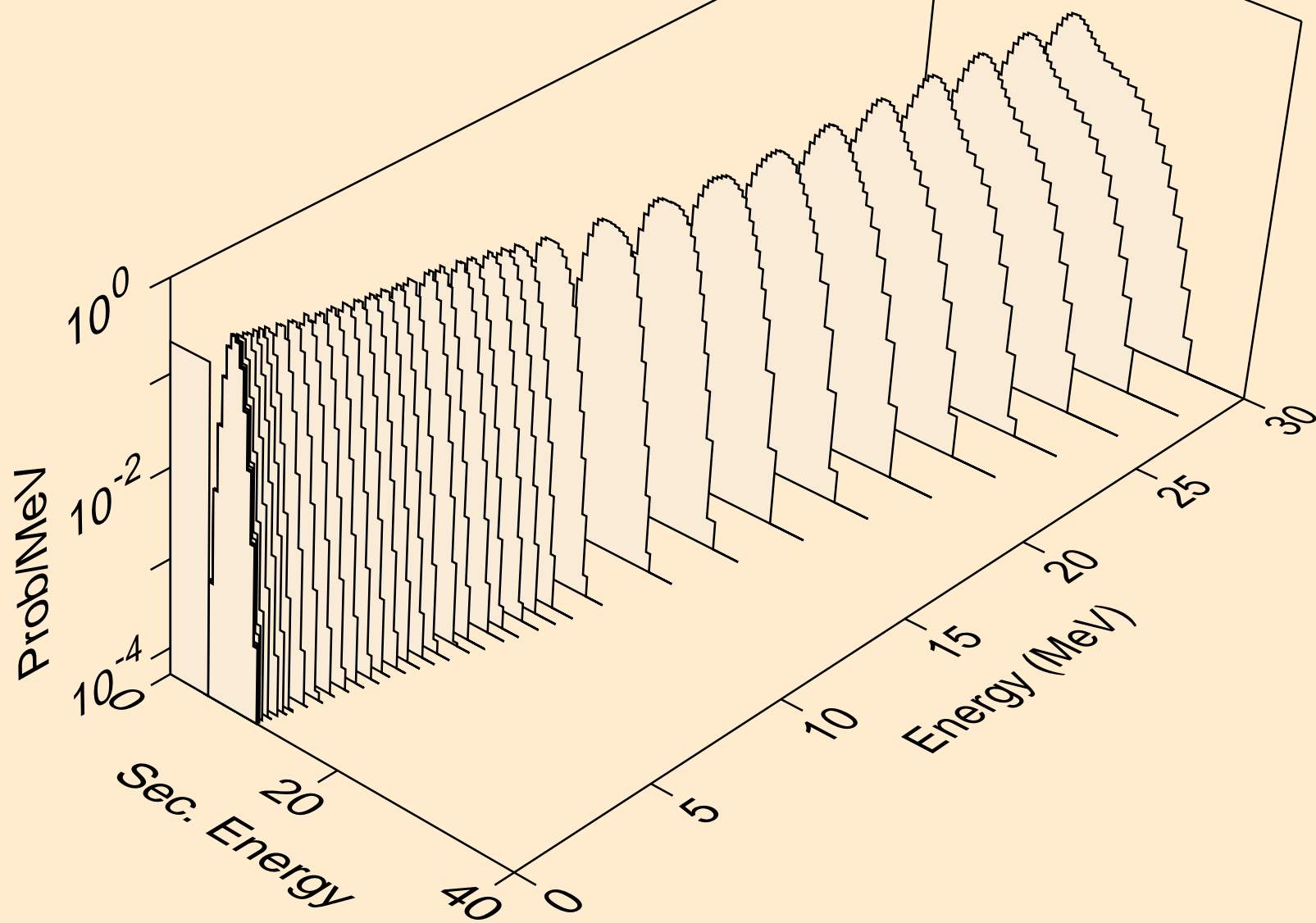
TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)



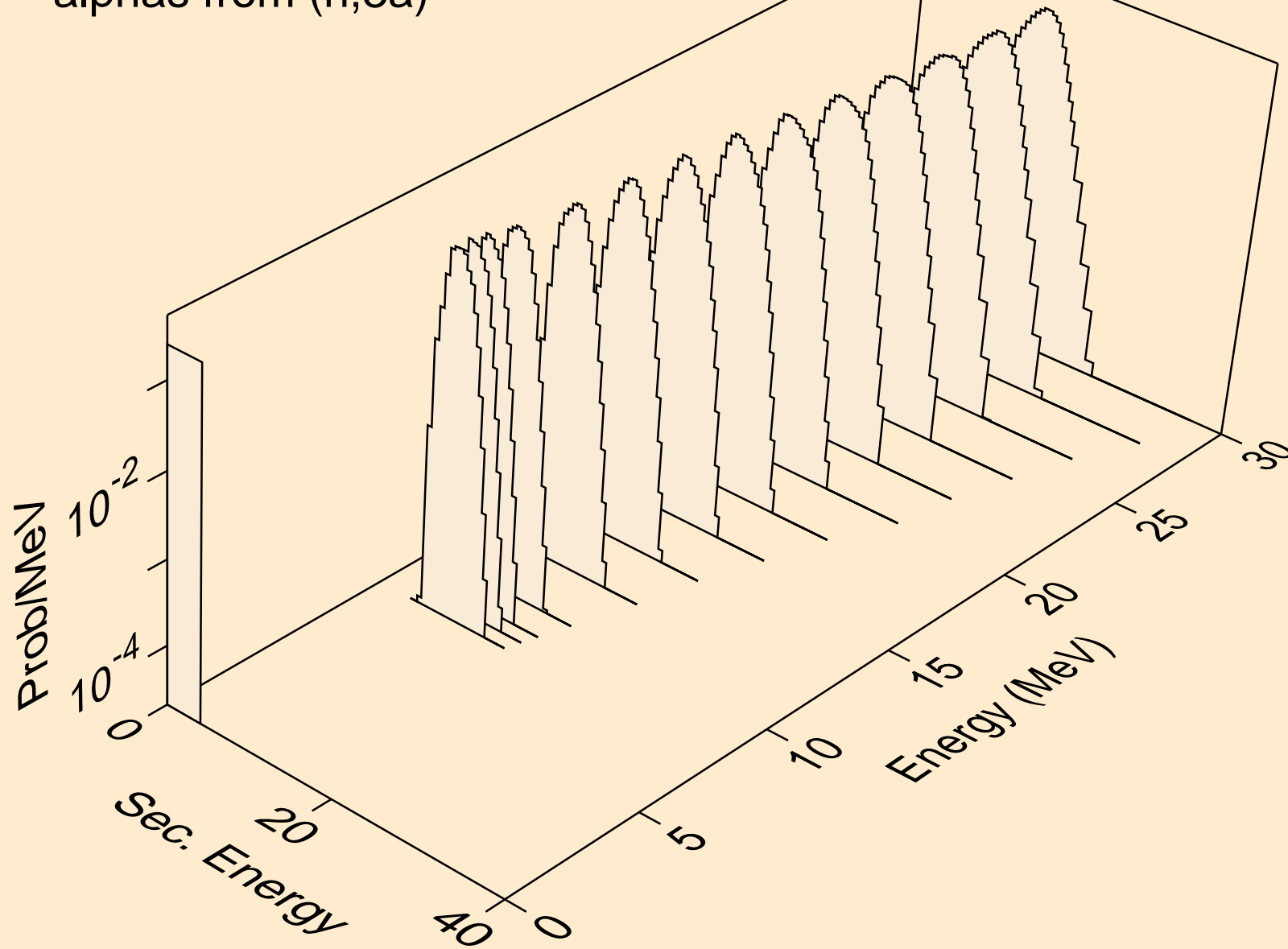
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alphas from (n,a)



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alphas from (n,2a)

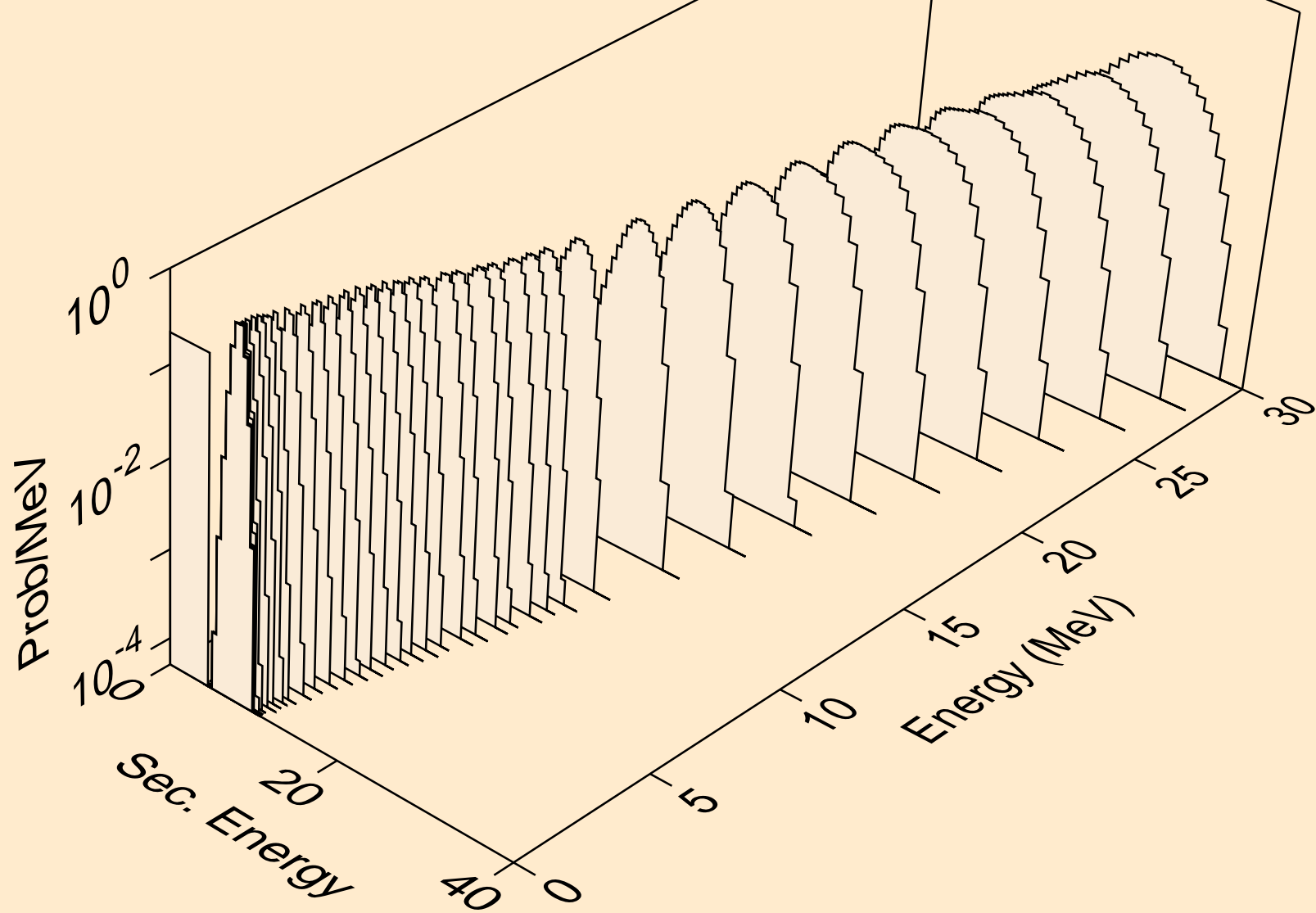


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alphas from (n,3a)

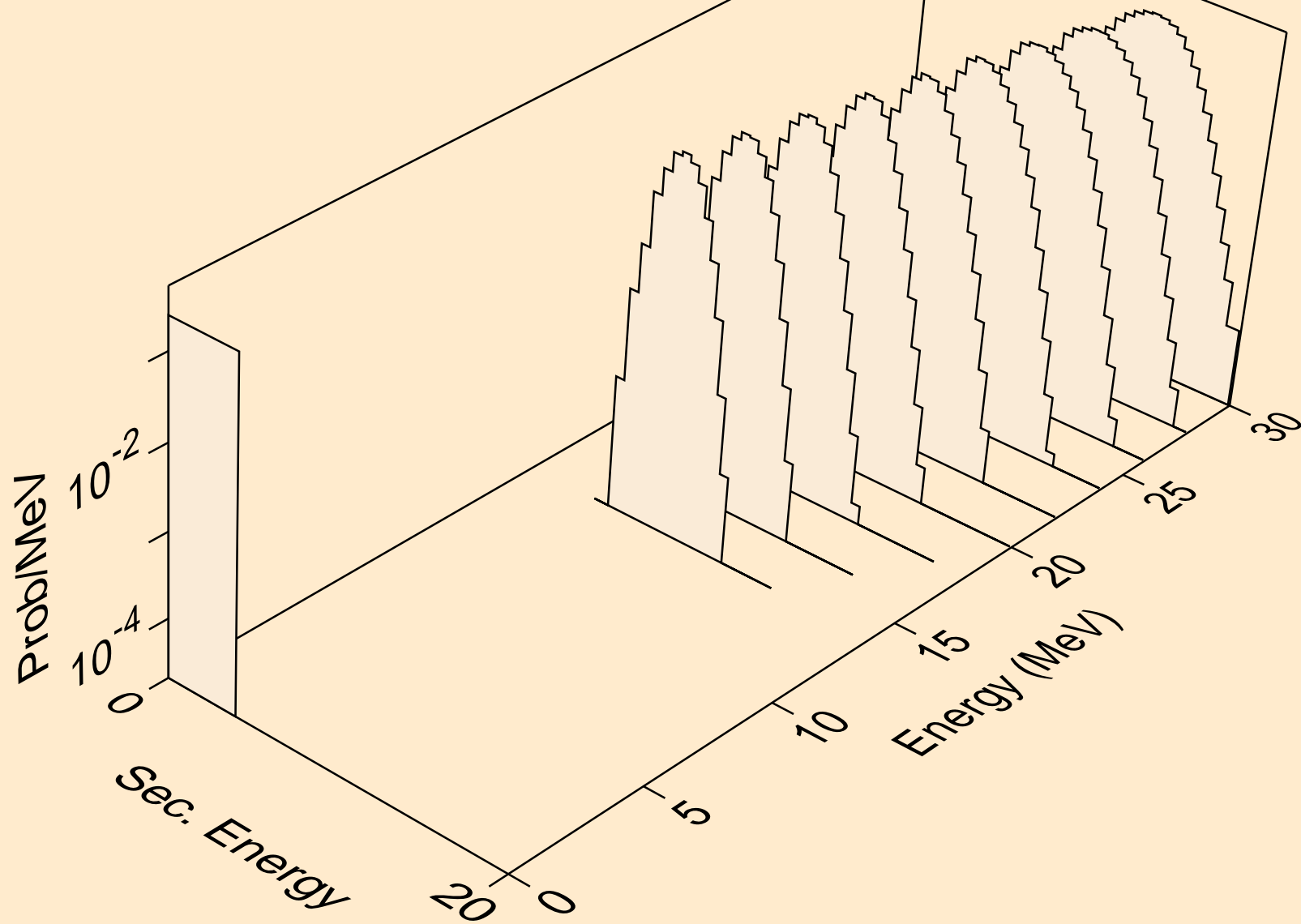




TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,d2a)



TB141 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

