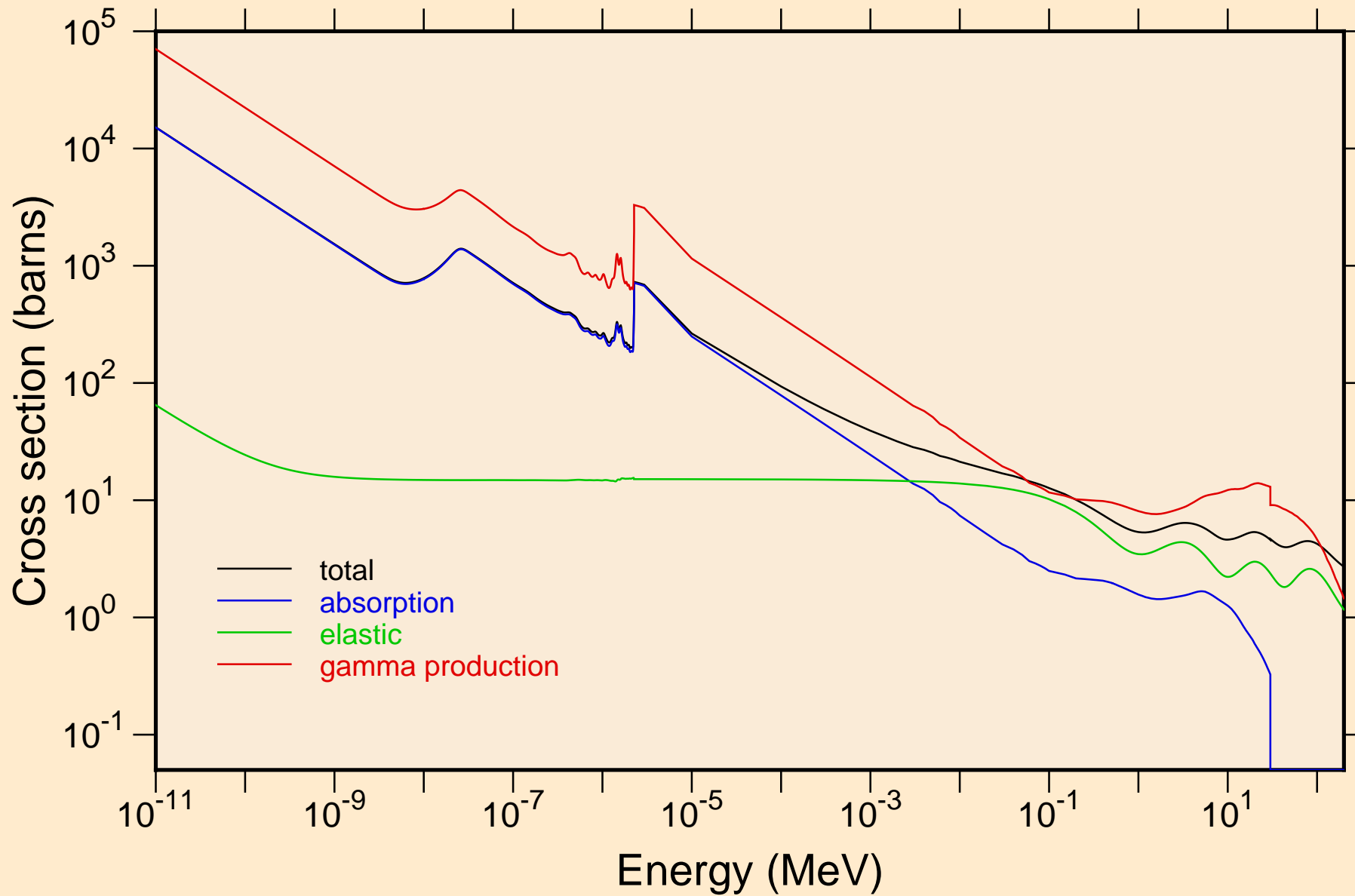
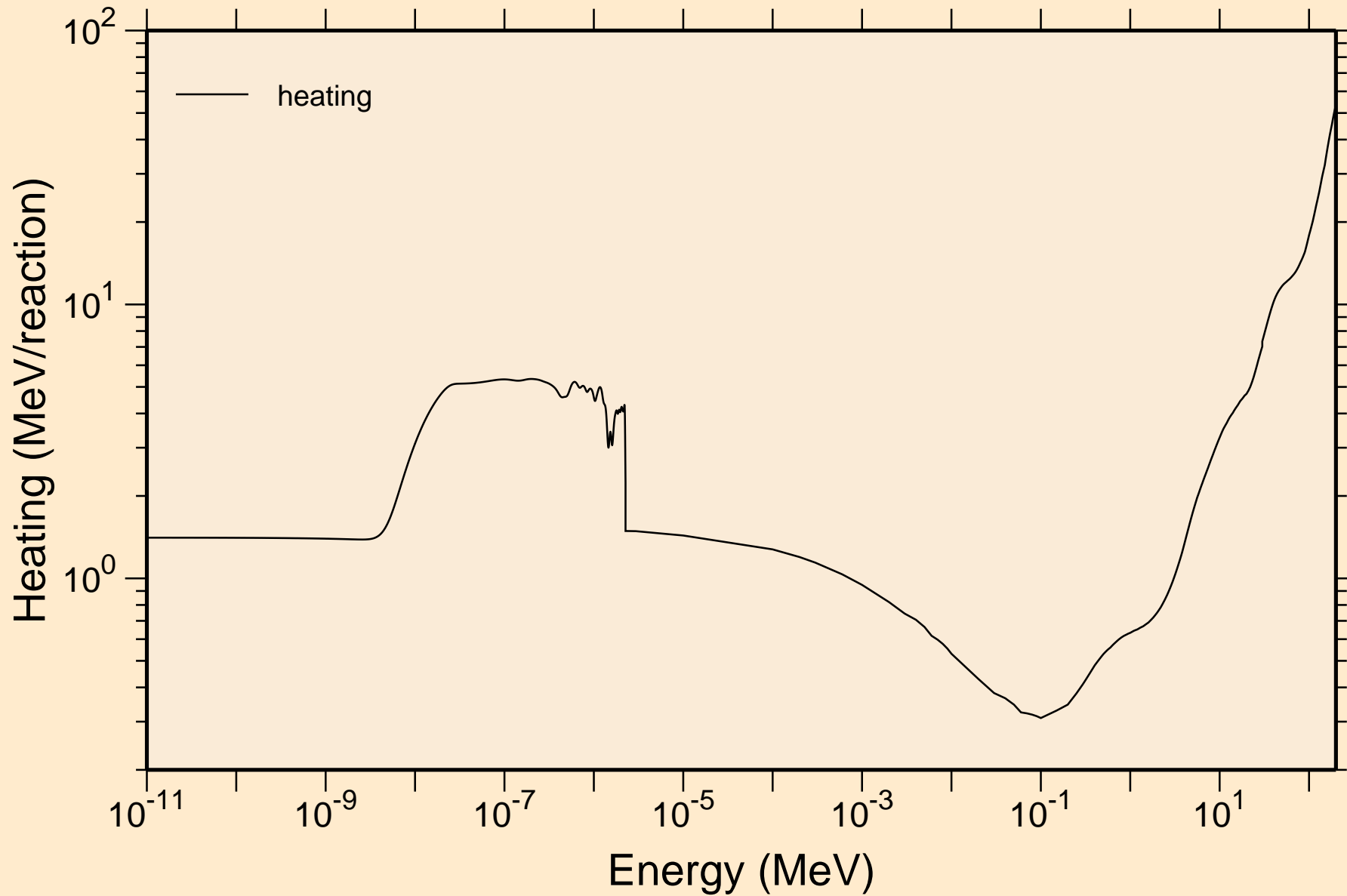


# AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

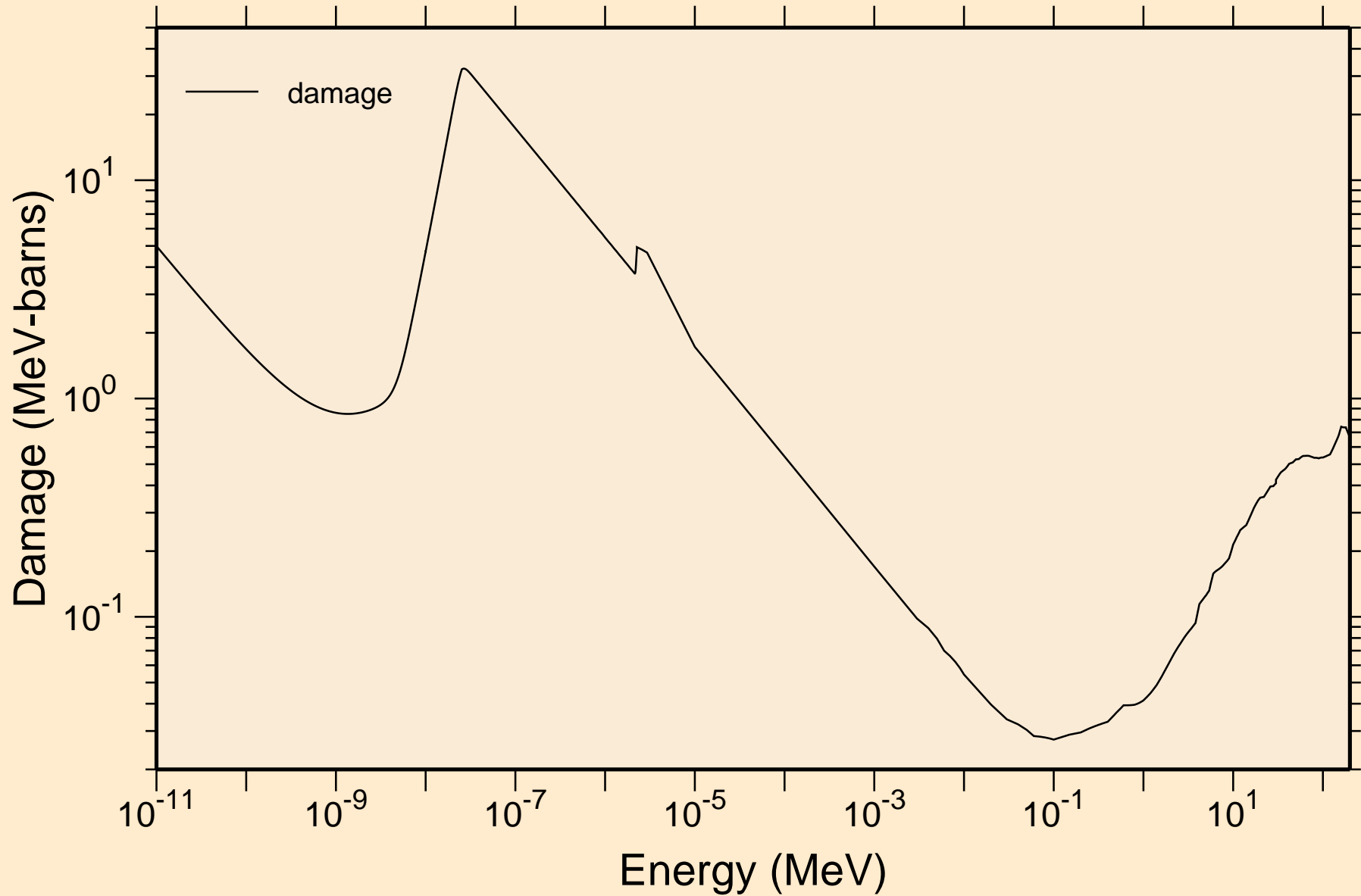
## Principal cross sections



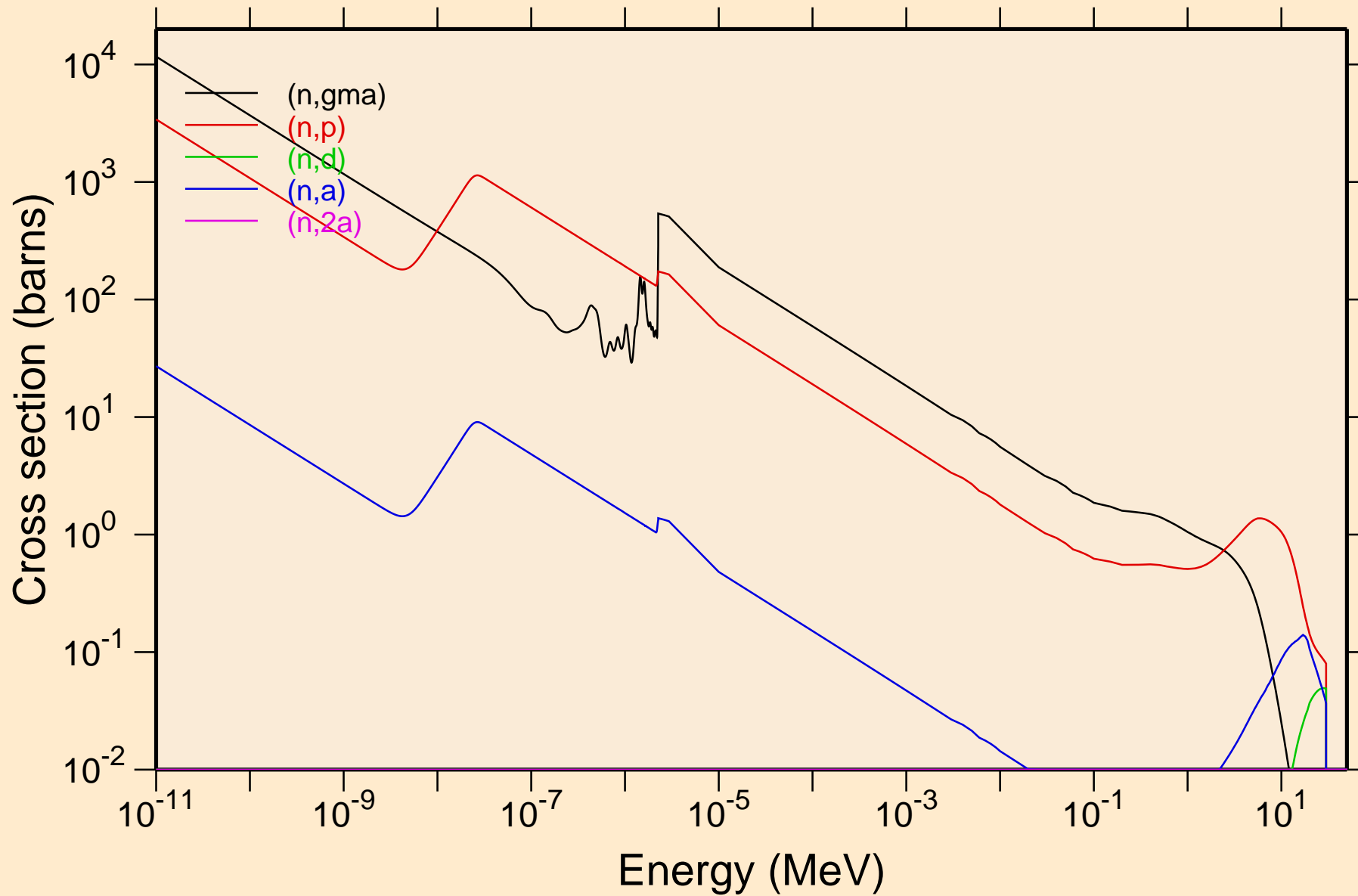
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



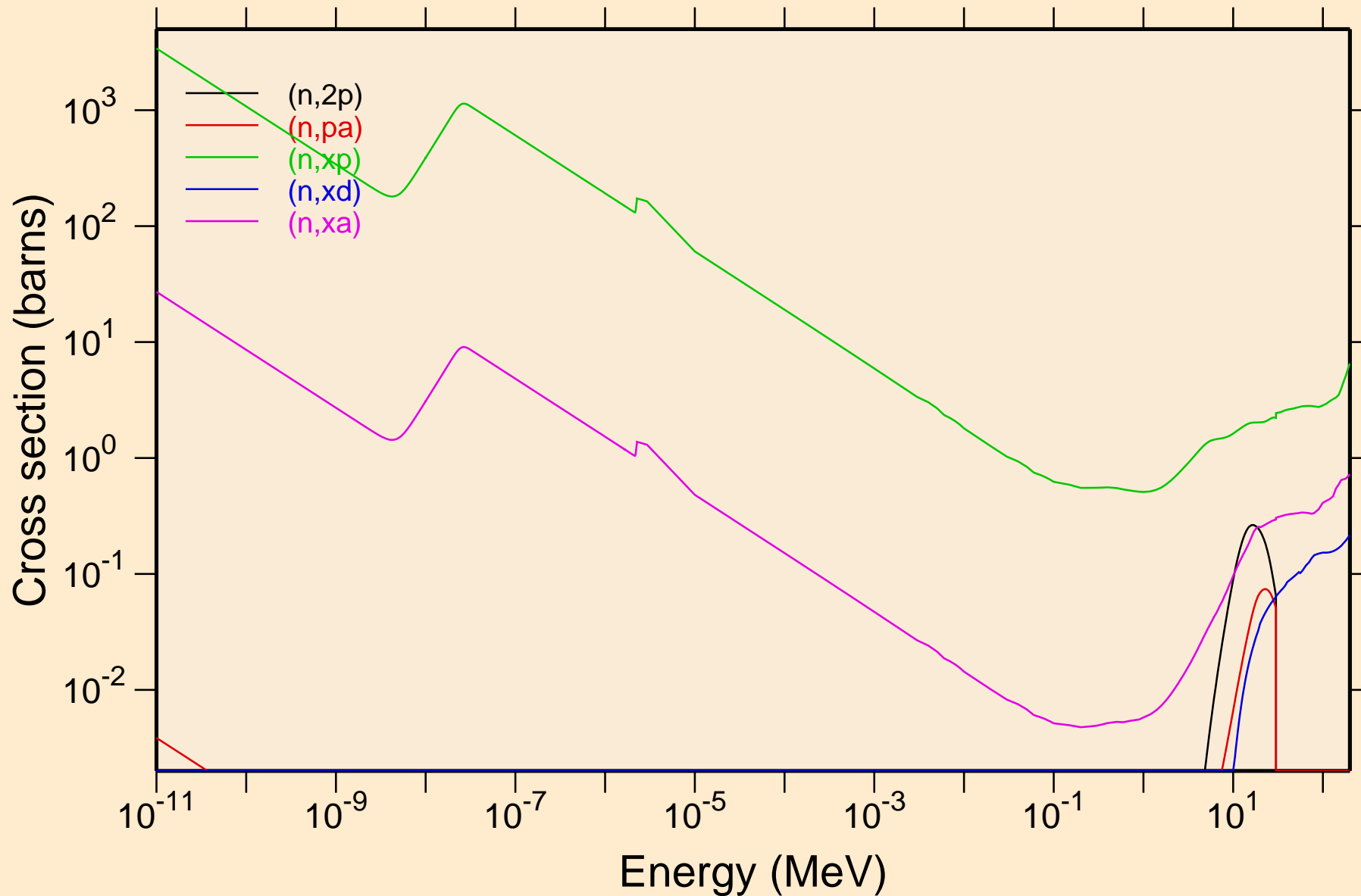
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Damage



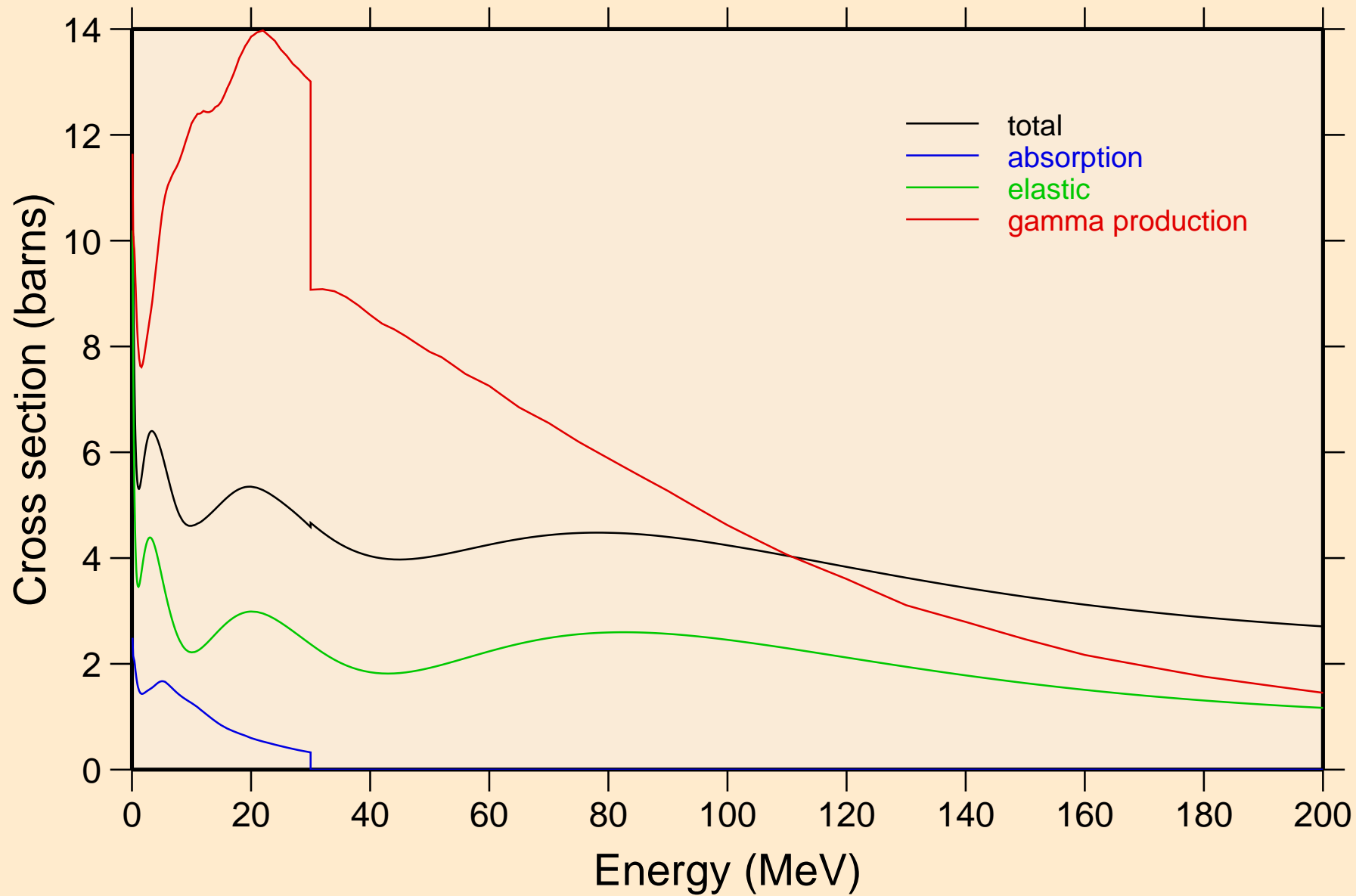
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



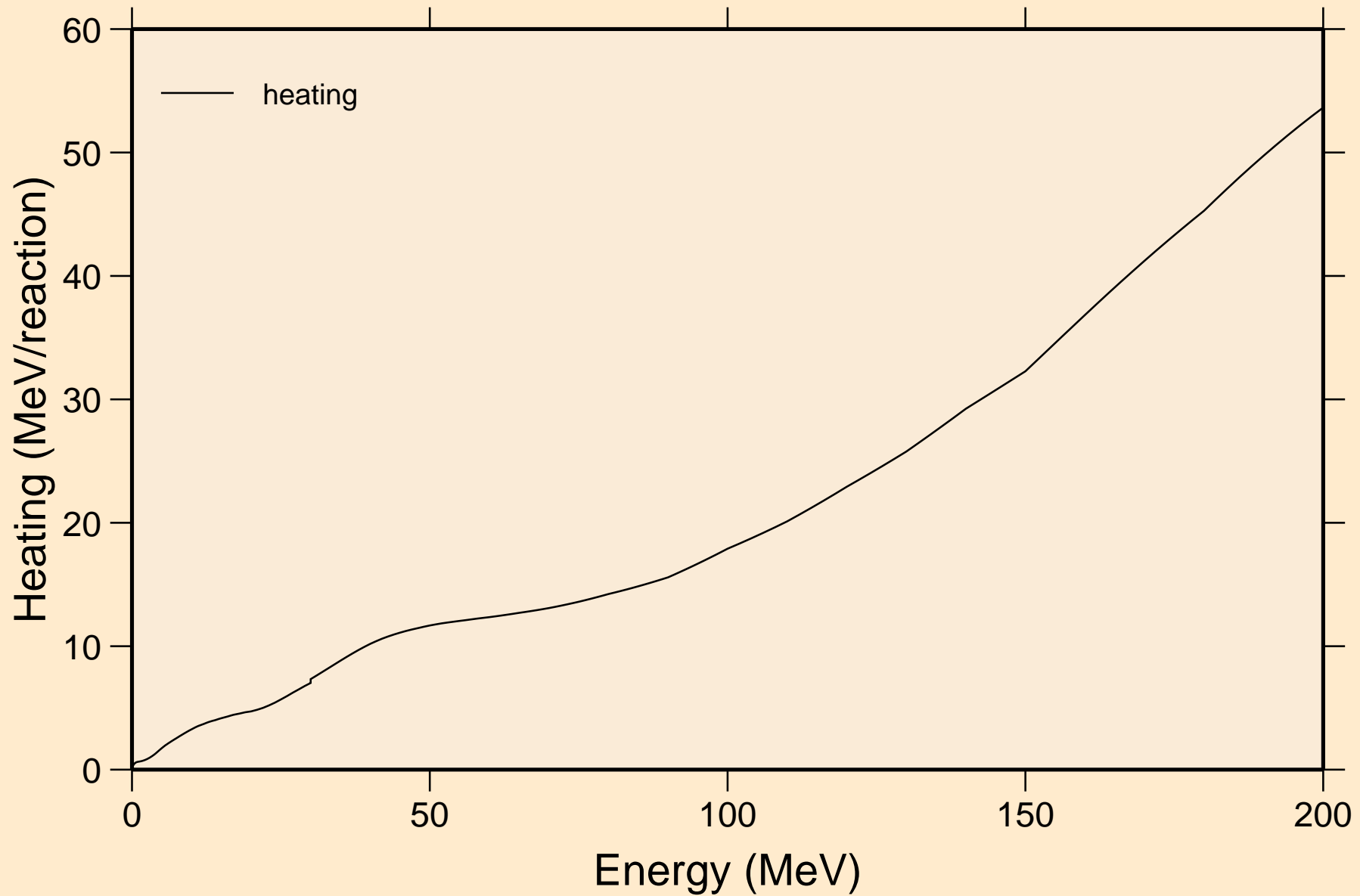
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Non-threshold reactions



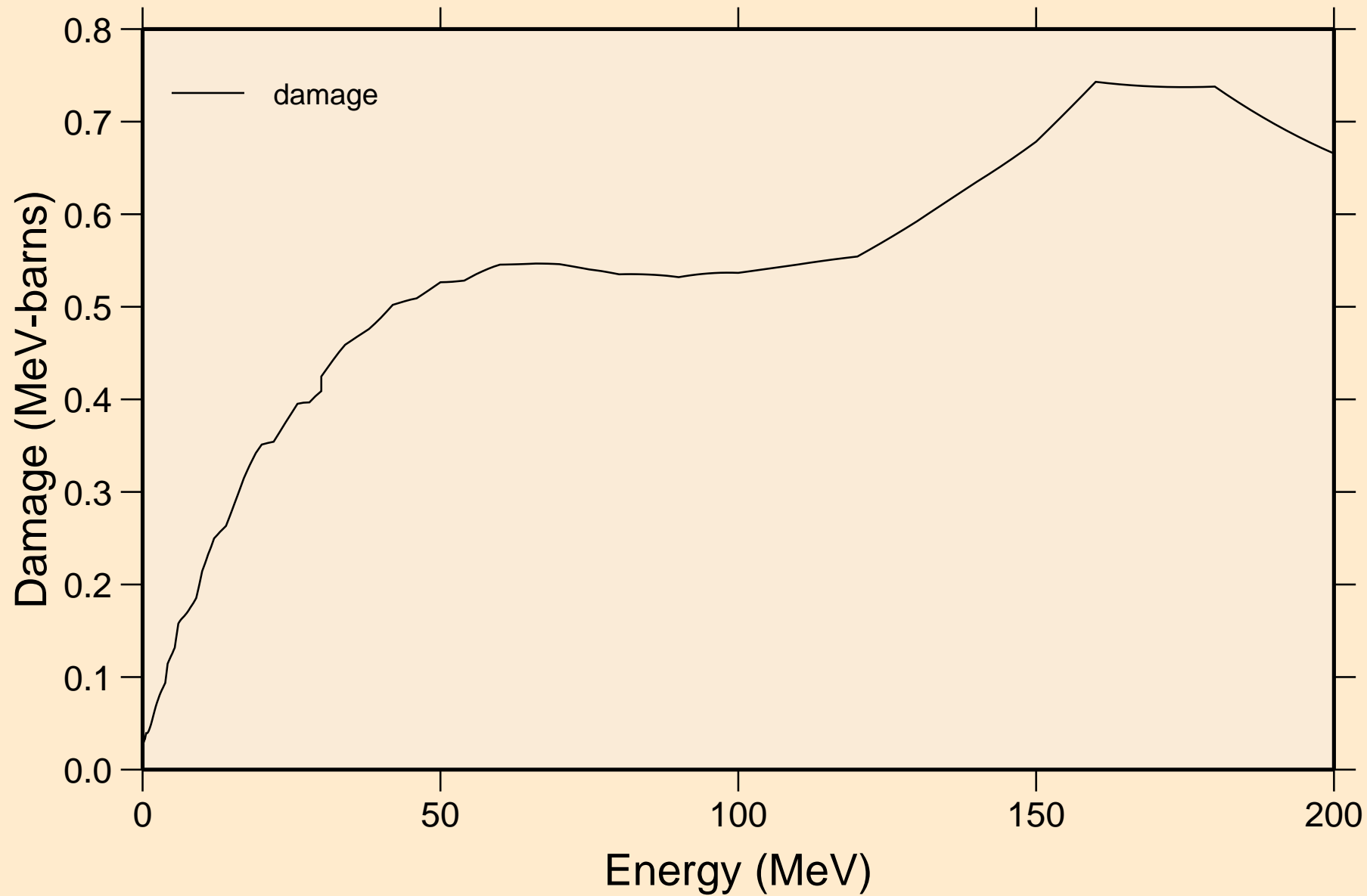
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections



AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating

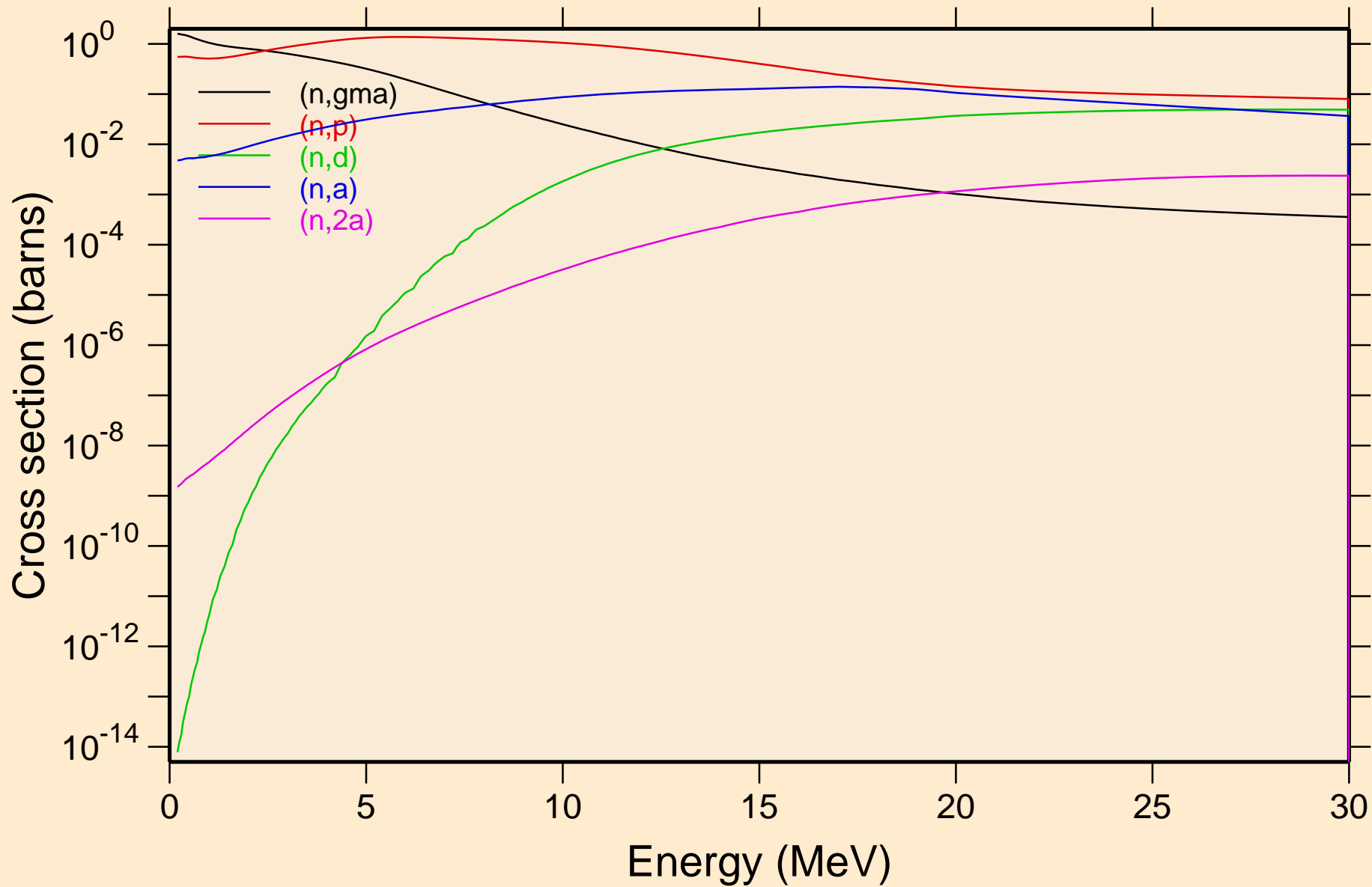


AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

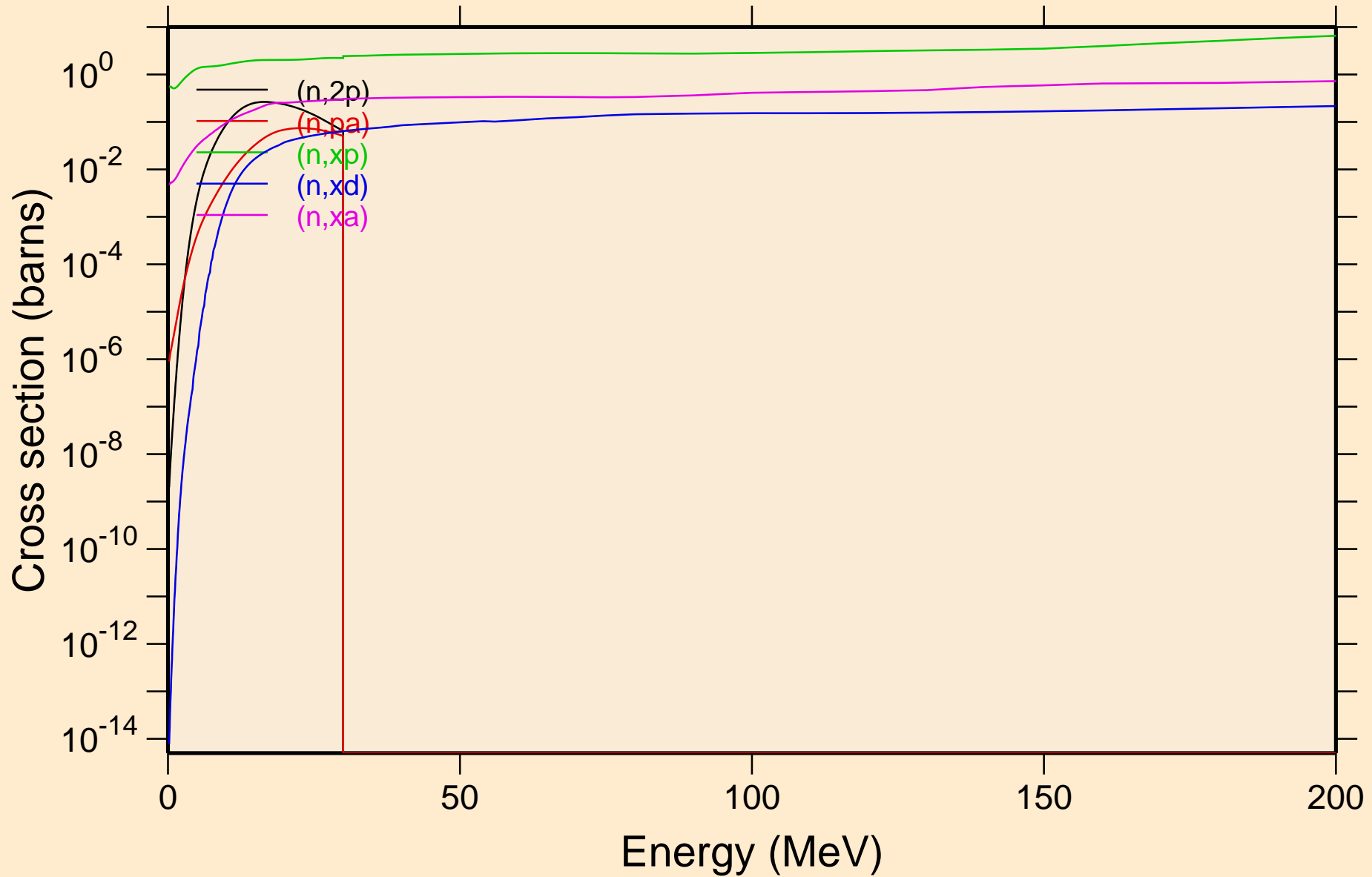




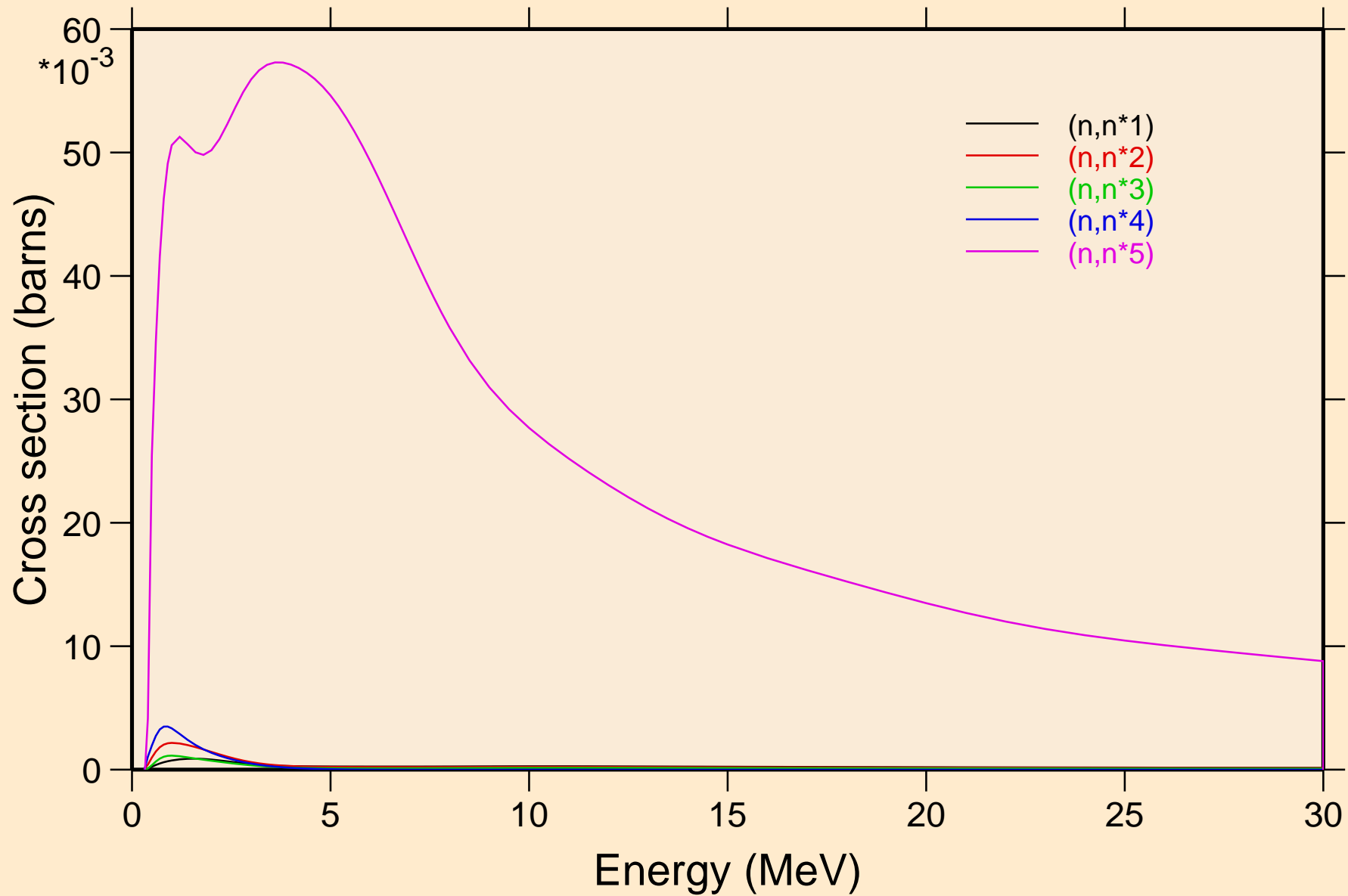
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Non-threshold reactions



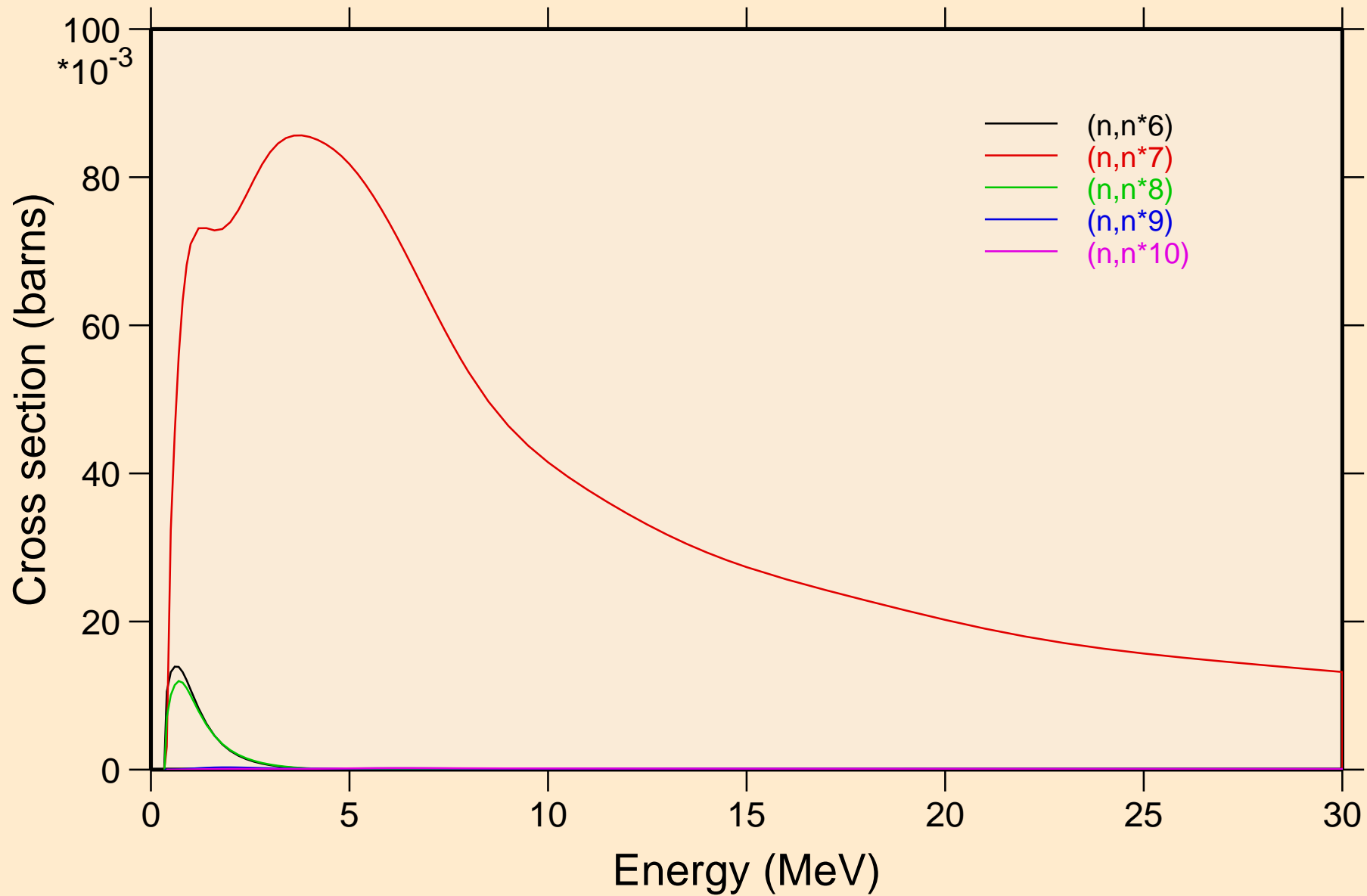
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



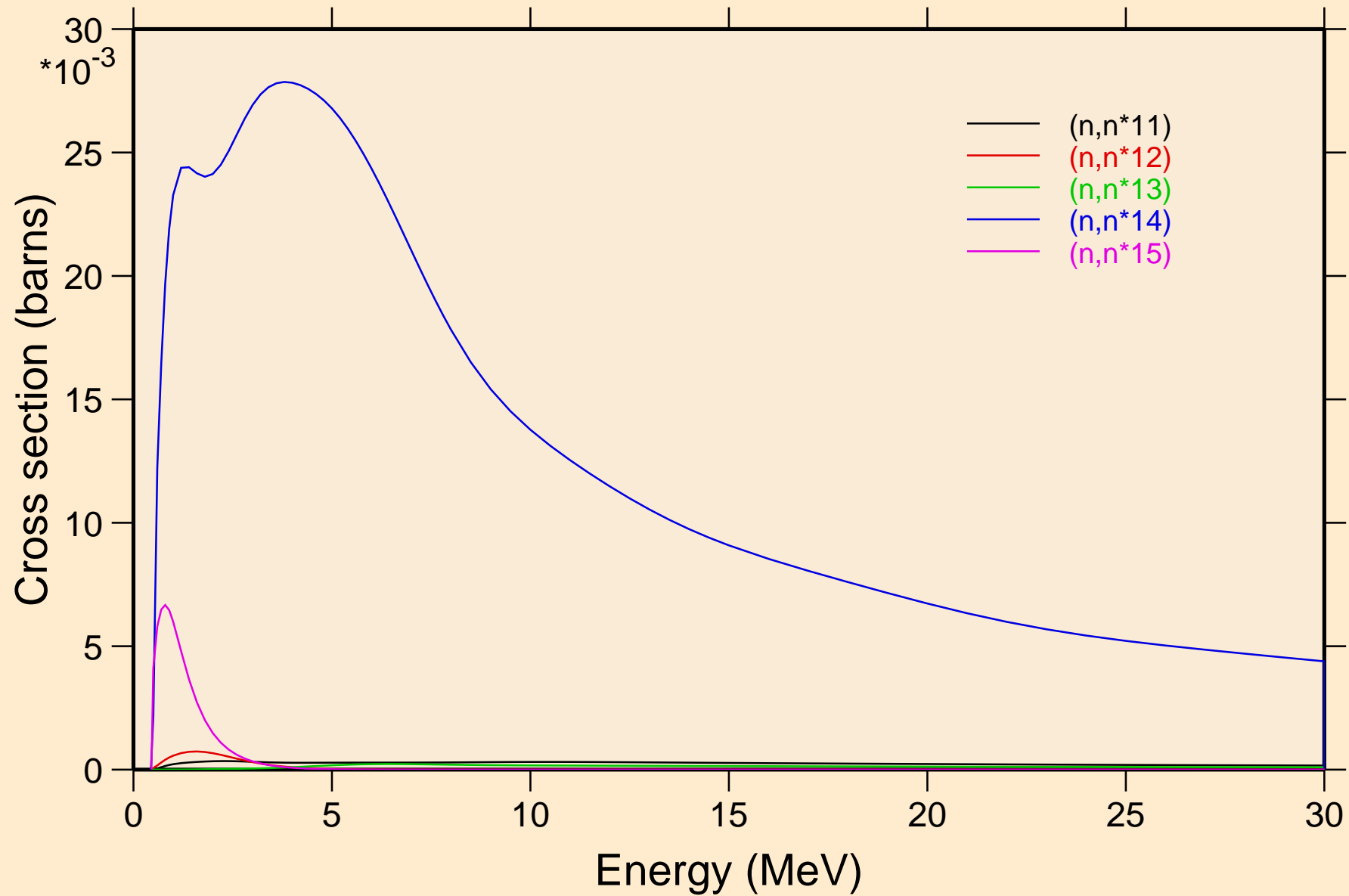
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



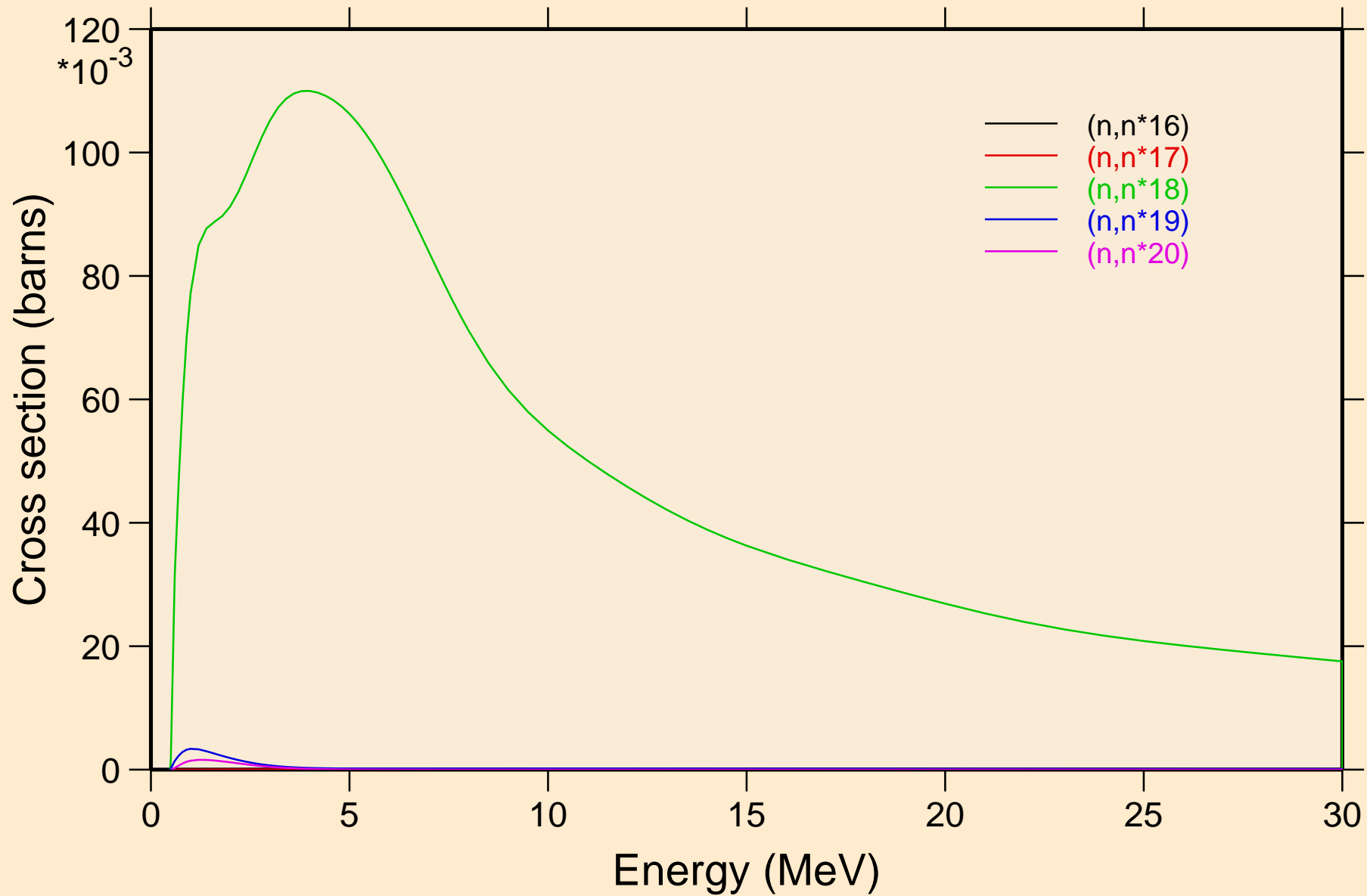
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



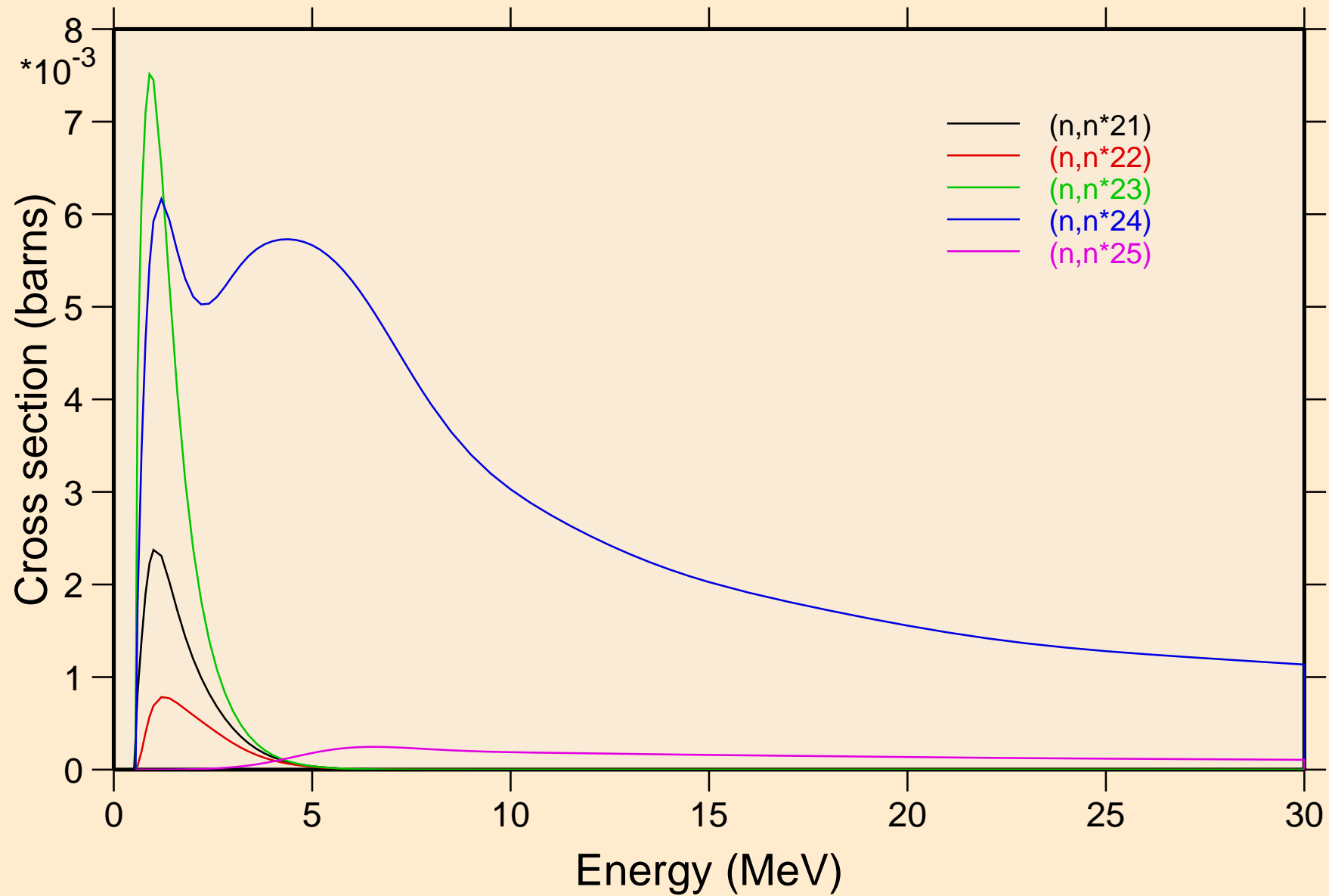
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
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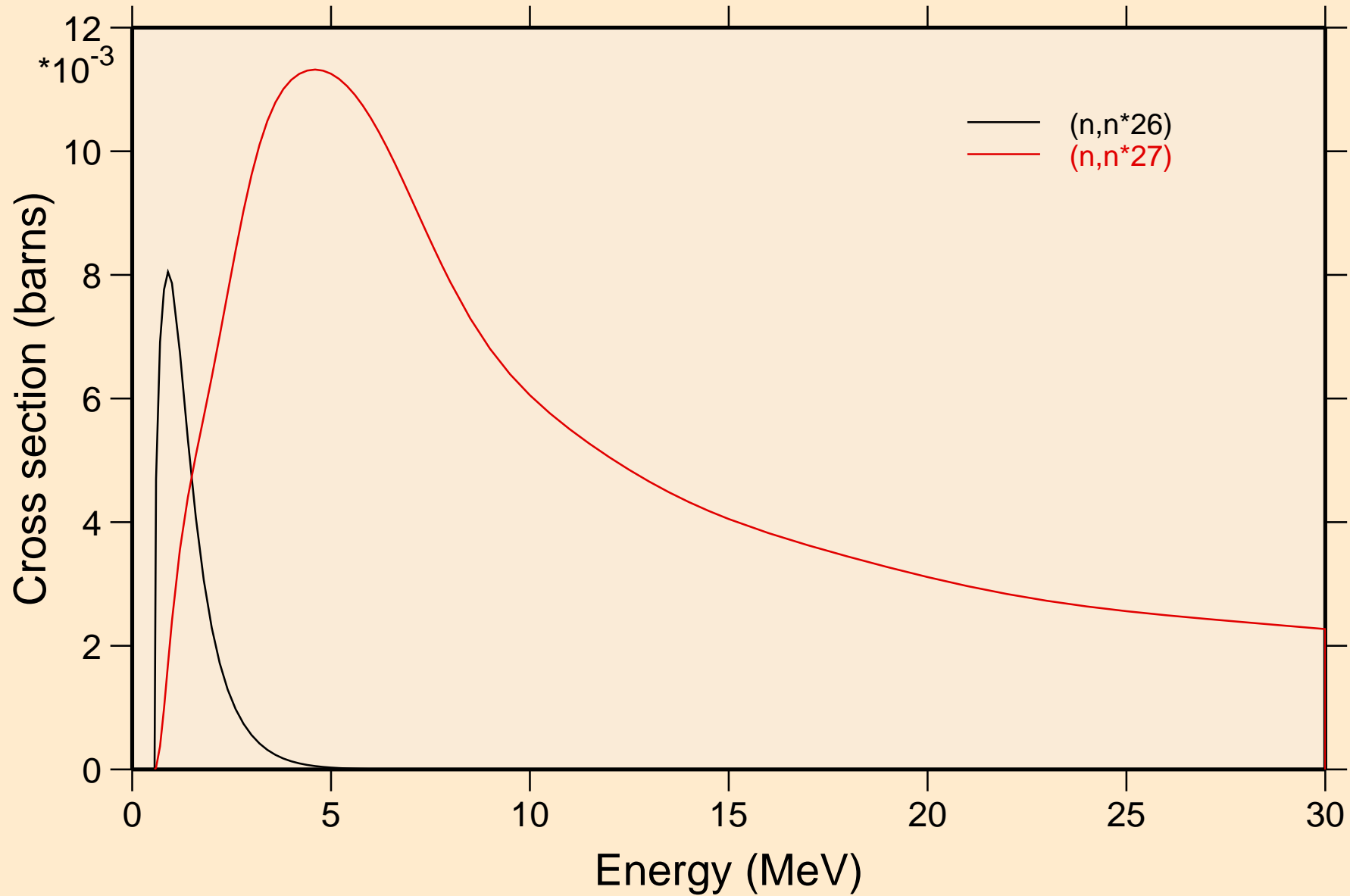
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

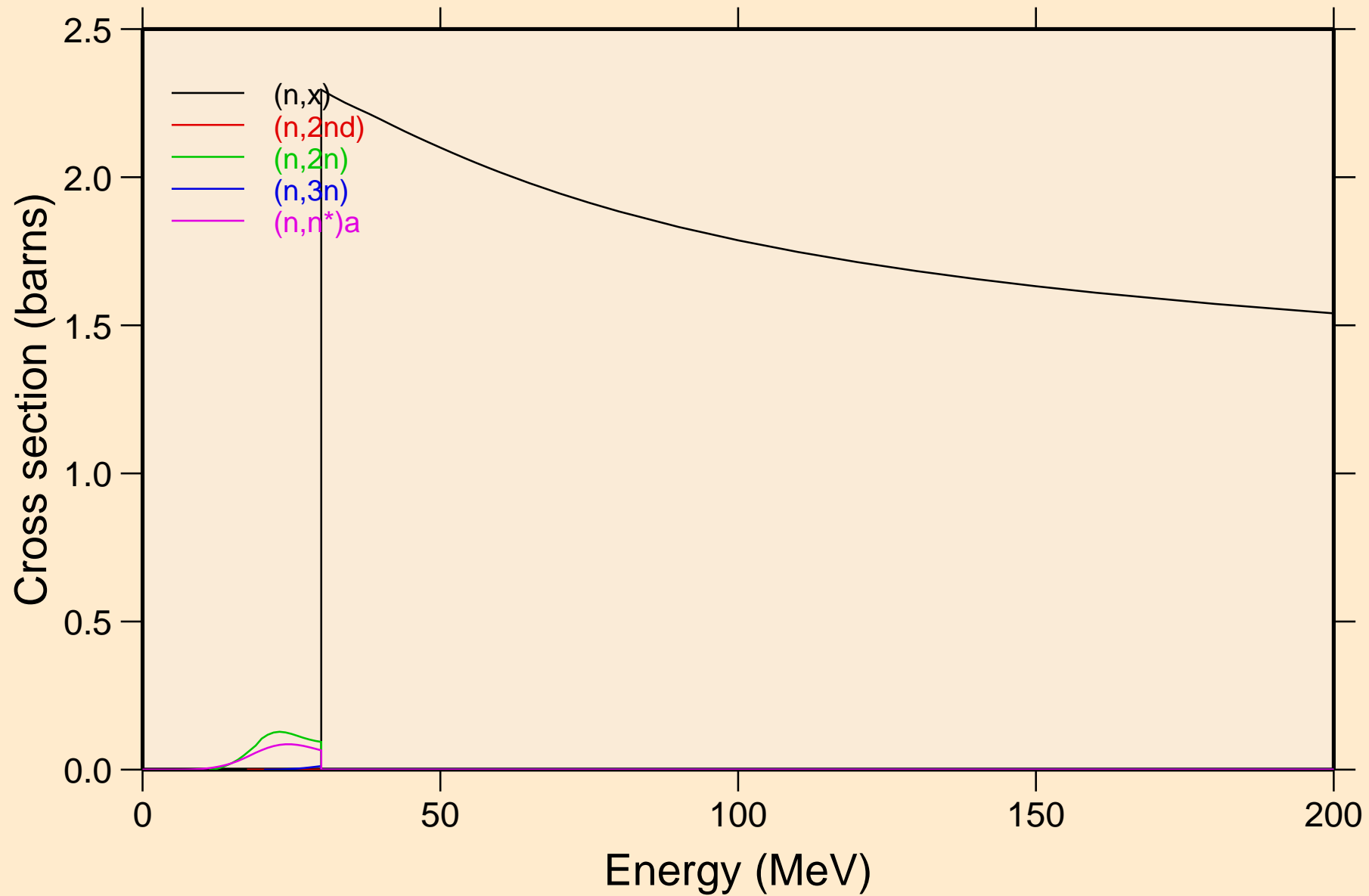


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Inelastic levels

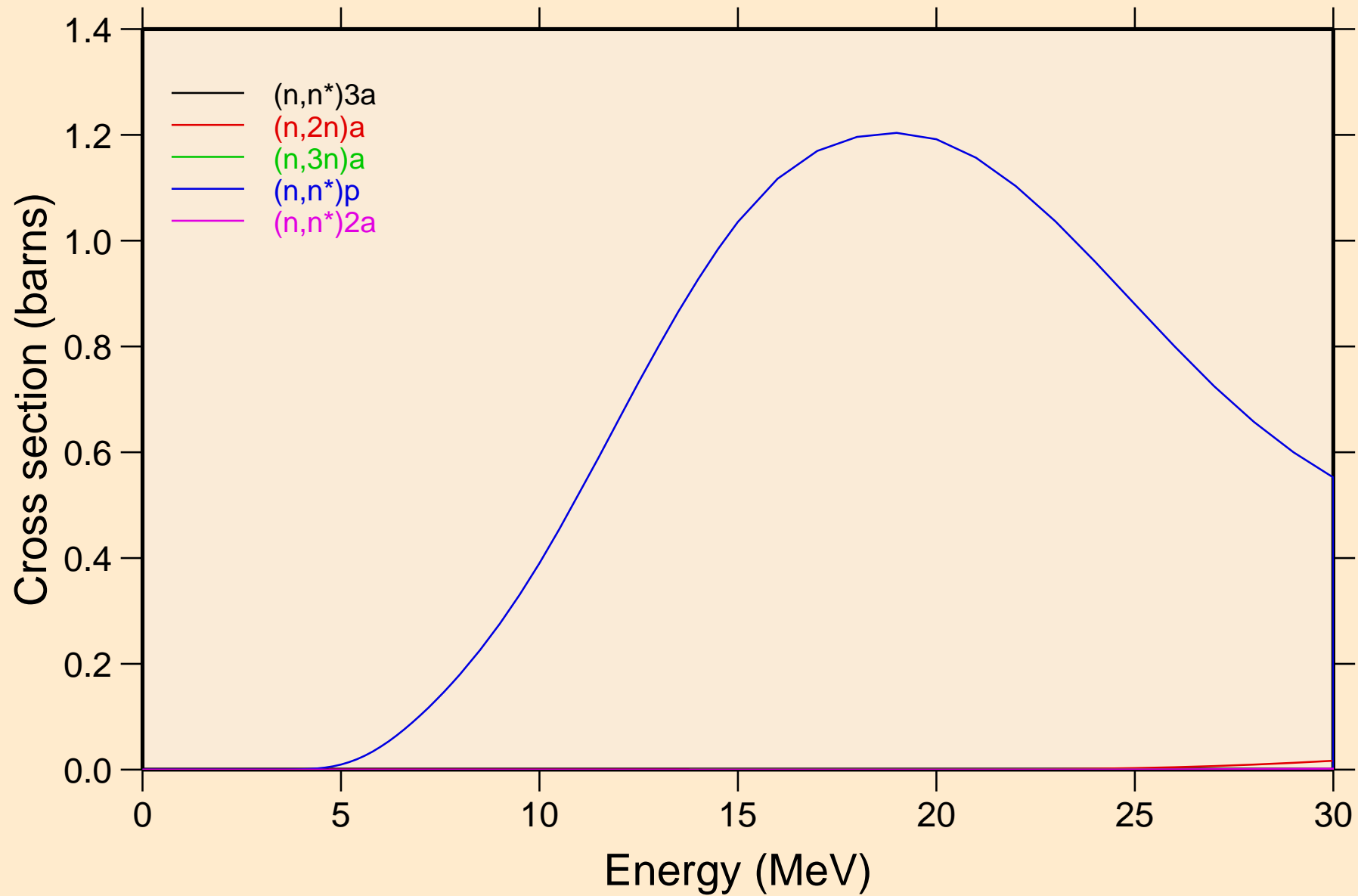




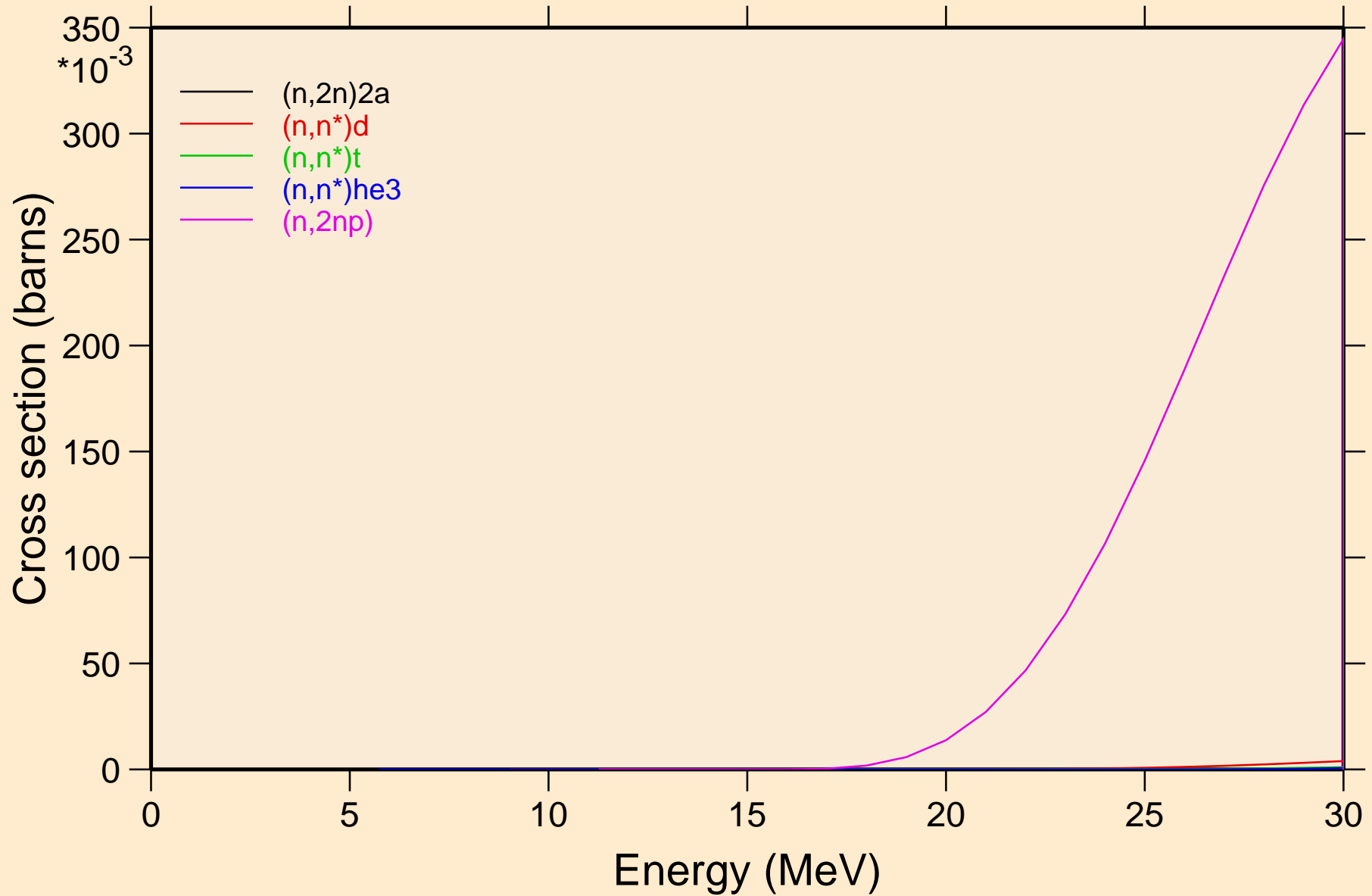
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



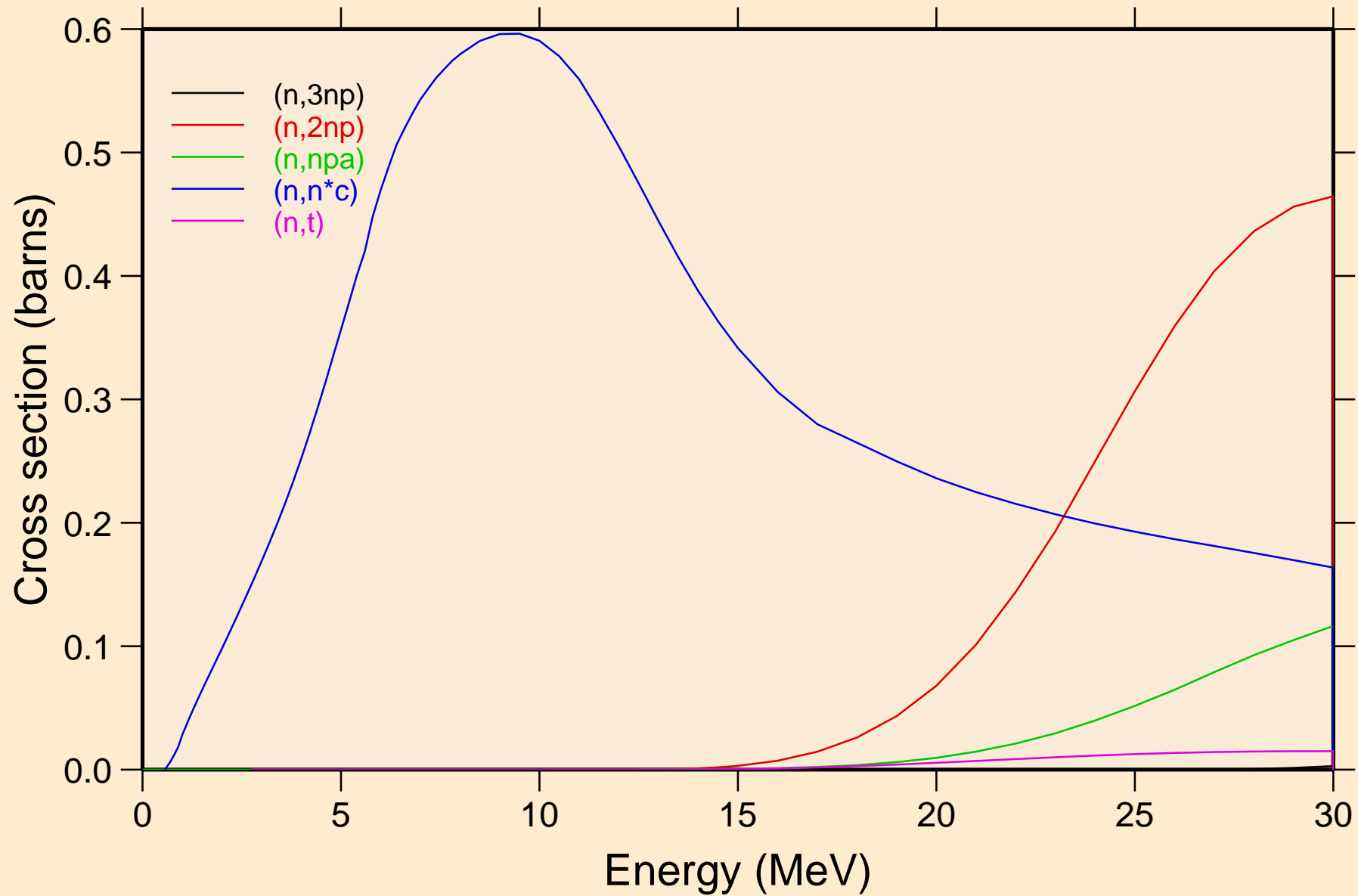
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Threshold reactions



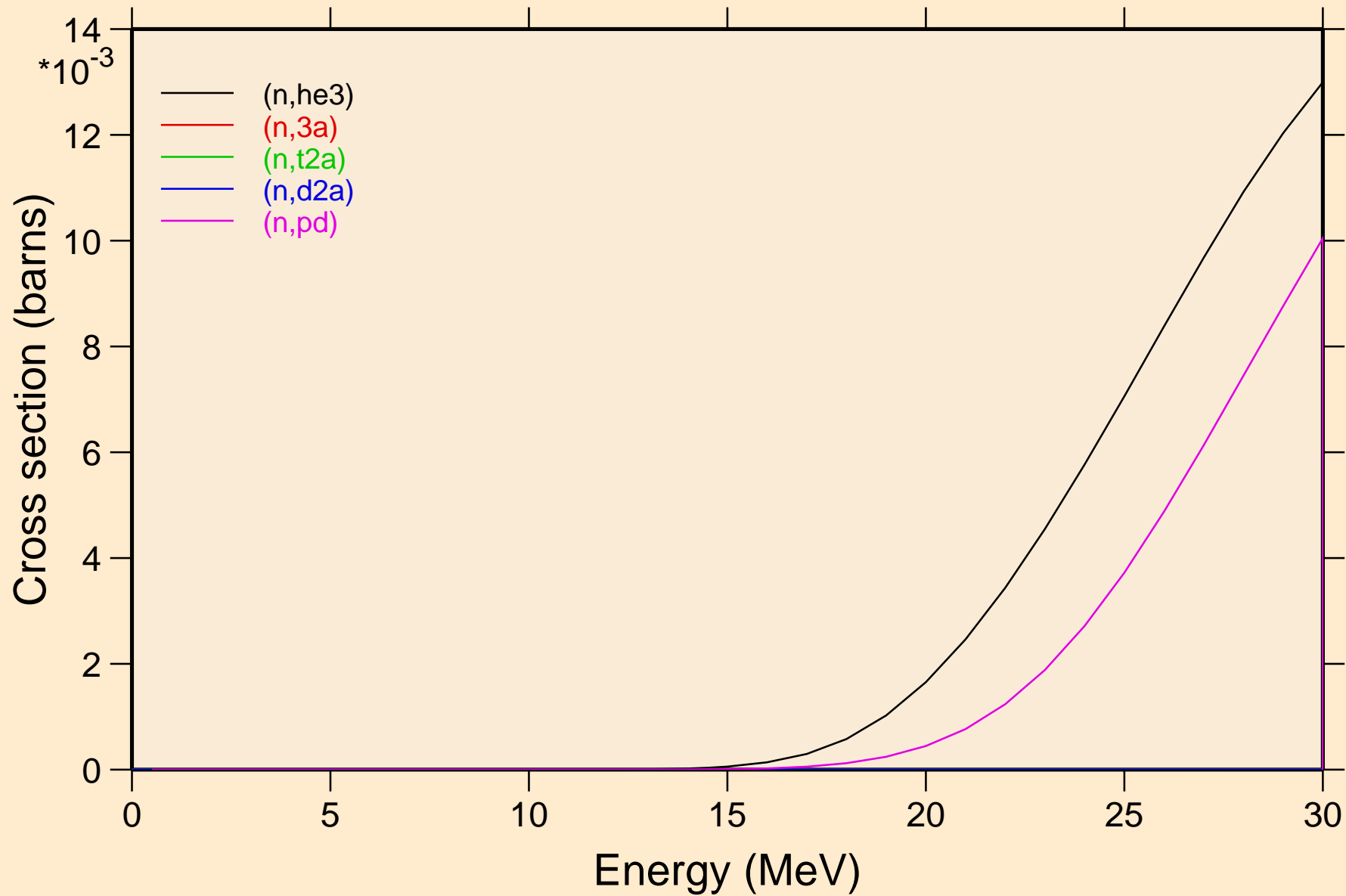
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Threshold reactions



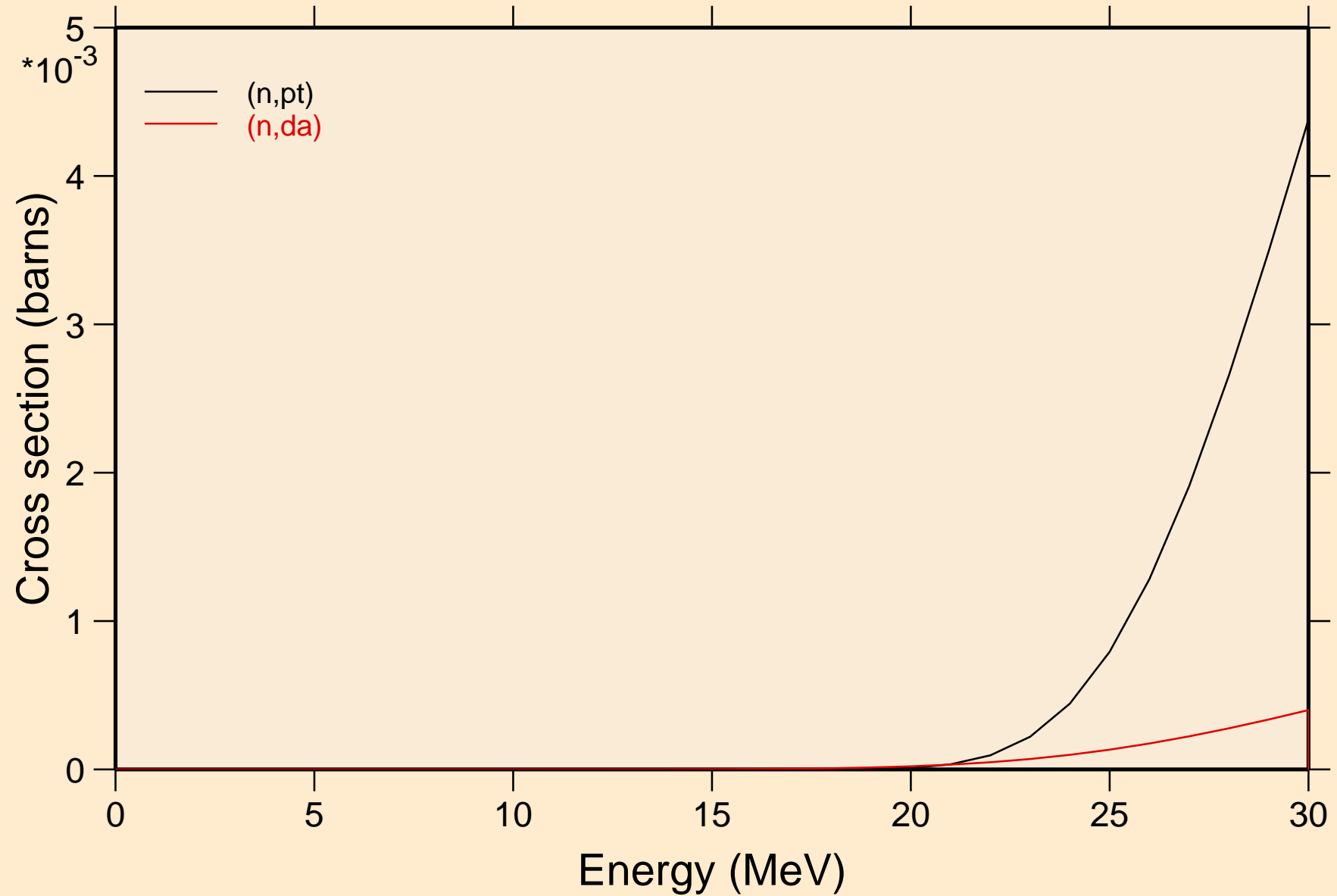
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Threshold reactions



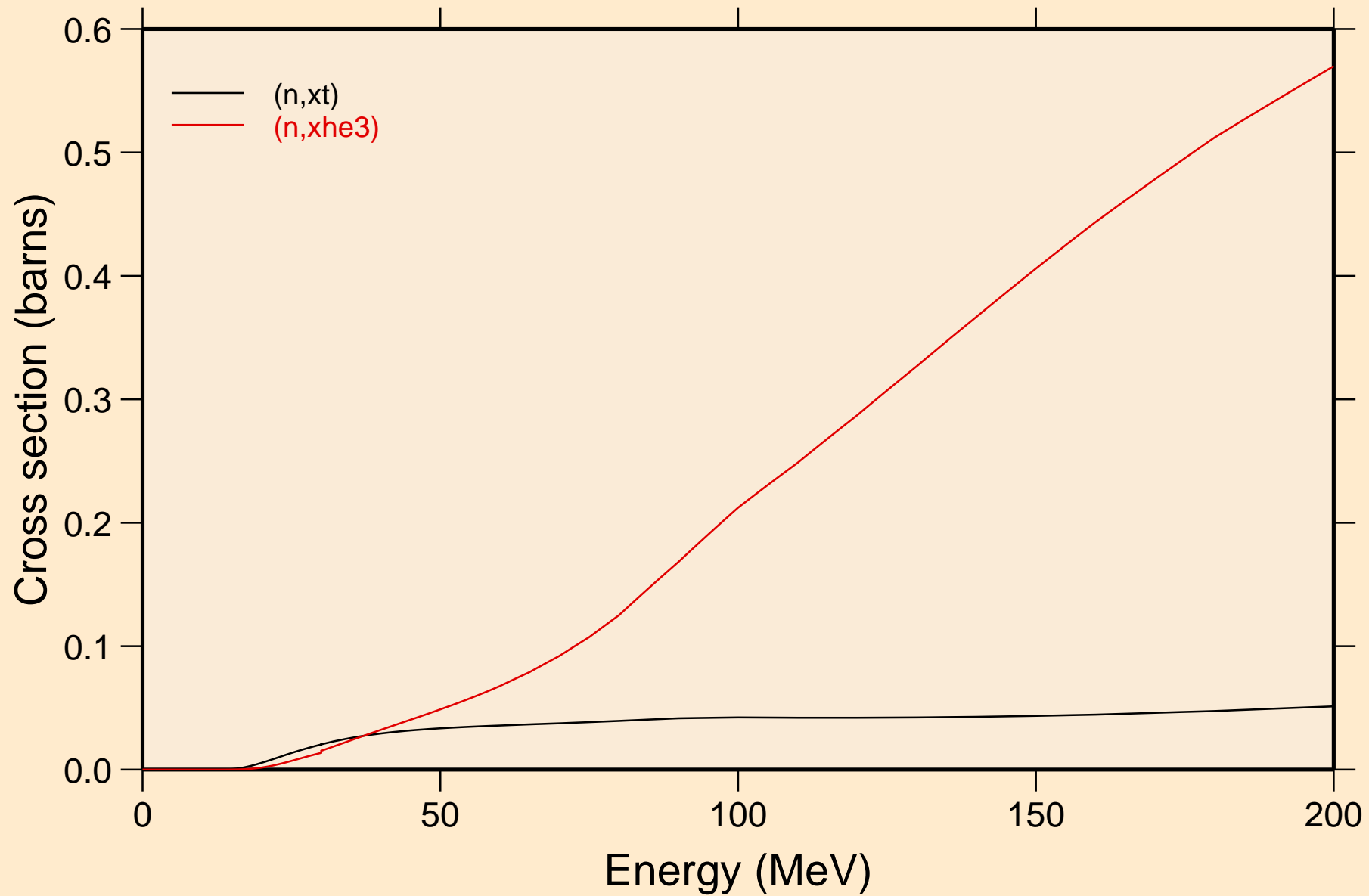
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



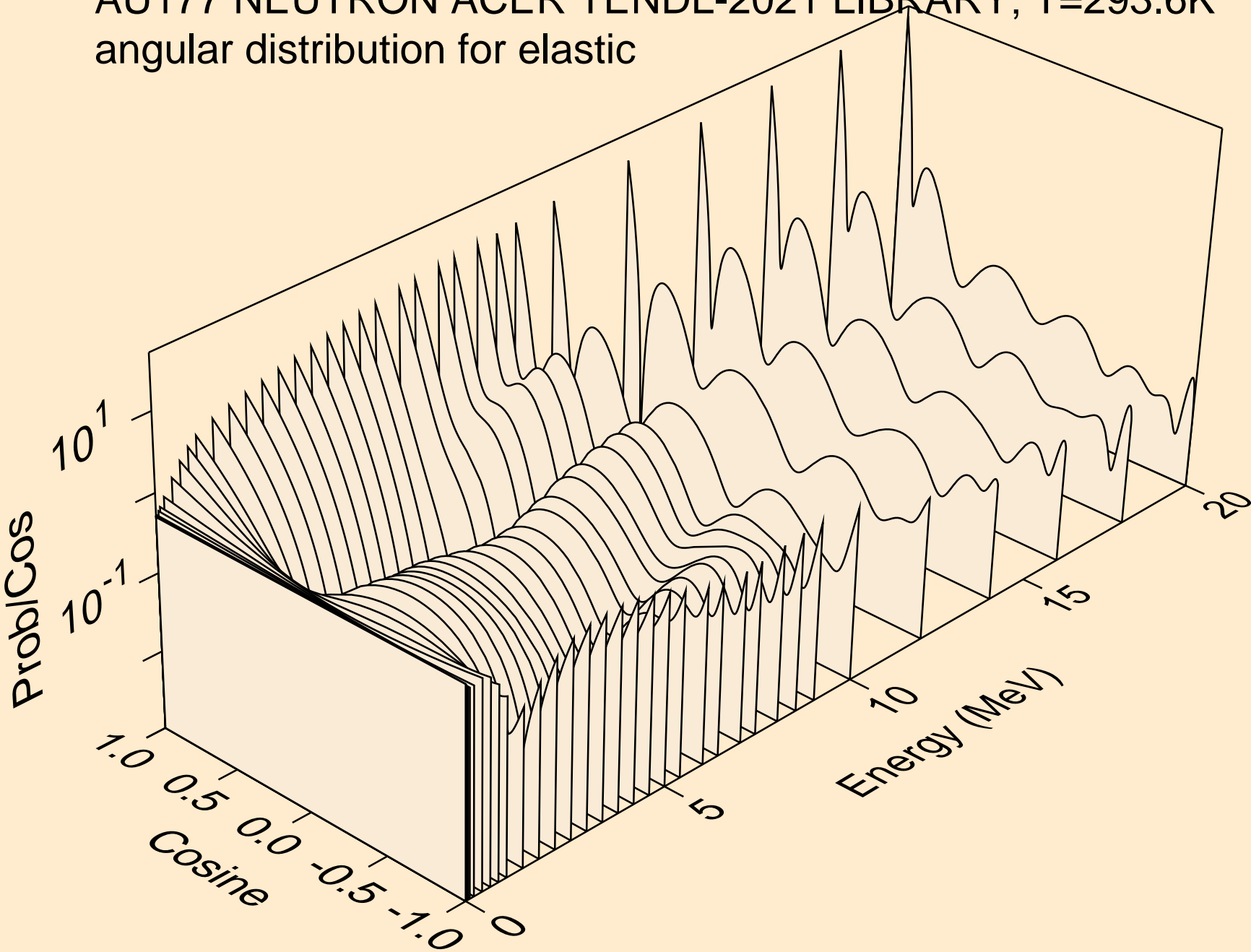
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

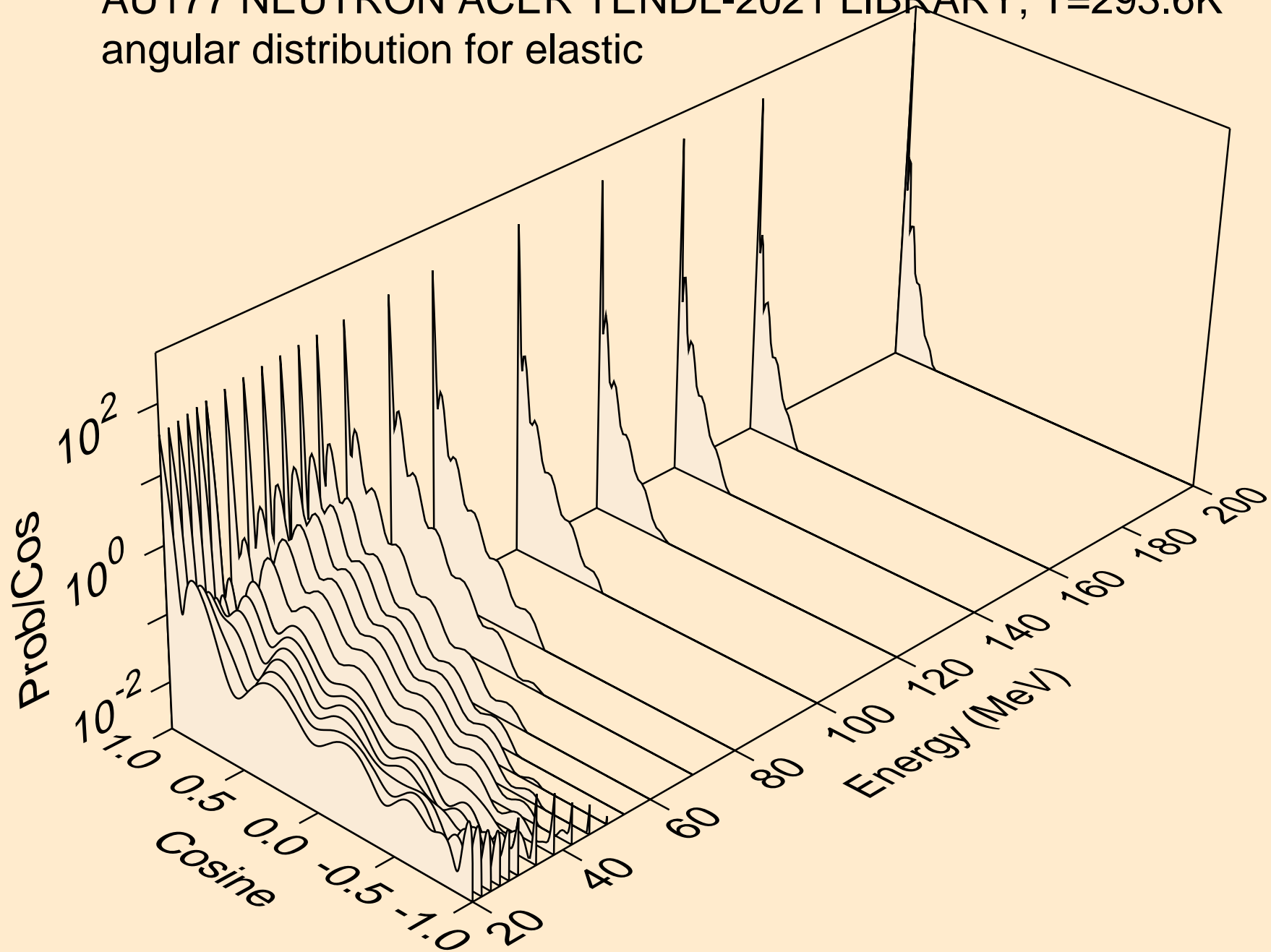


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angular distribution for elastic

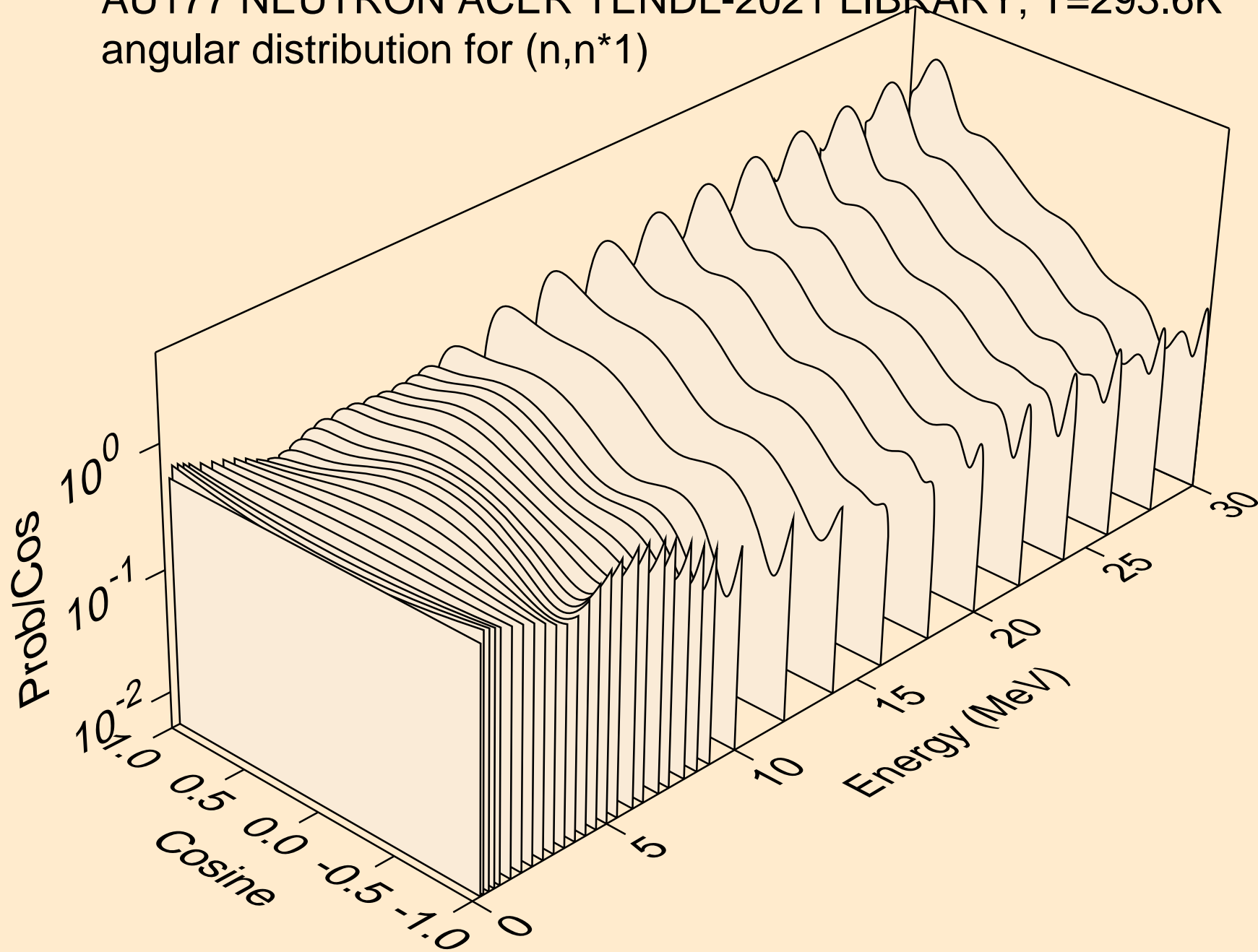




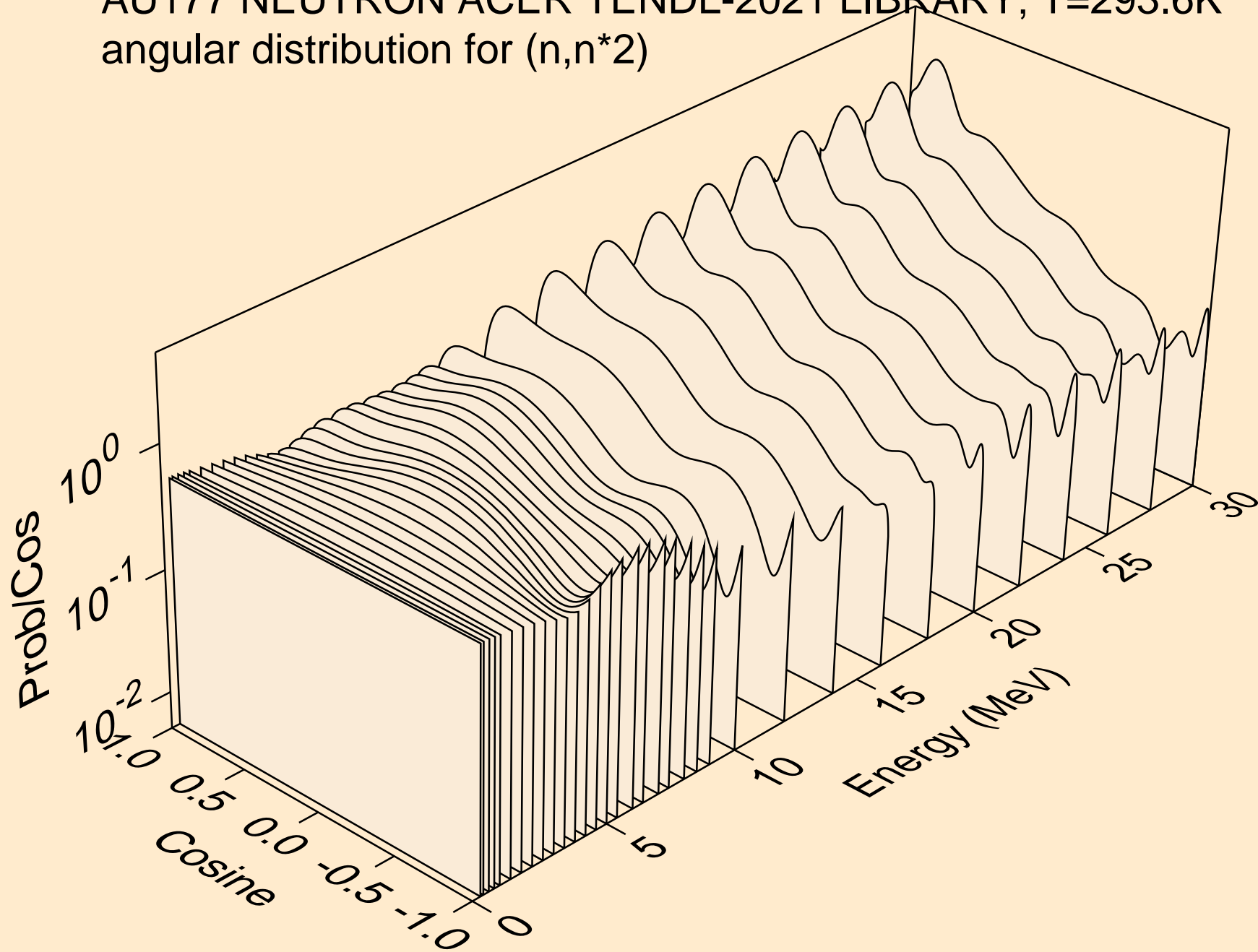
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angular distribution for elastic



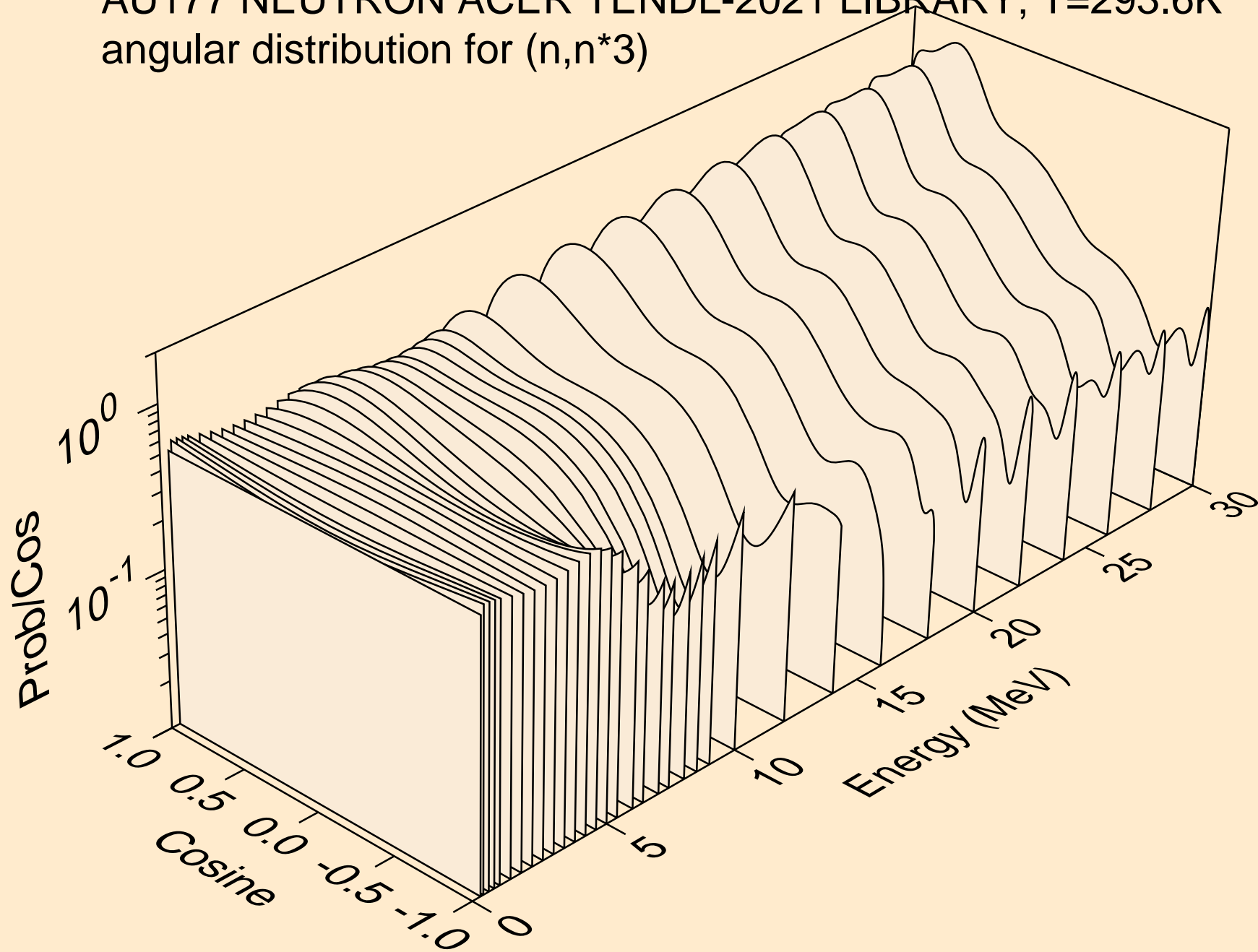
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angular distribution for (n,n\*1)



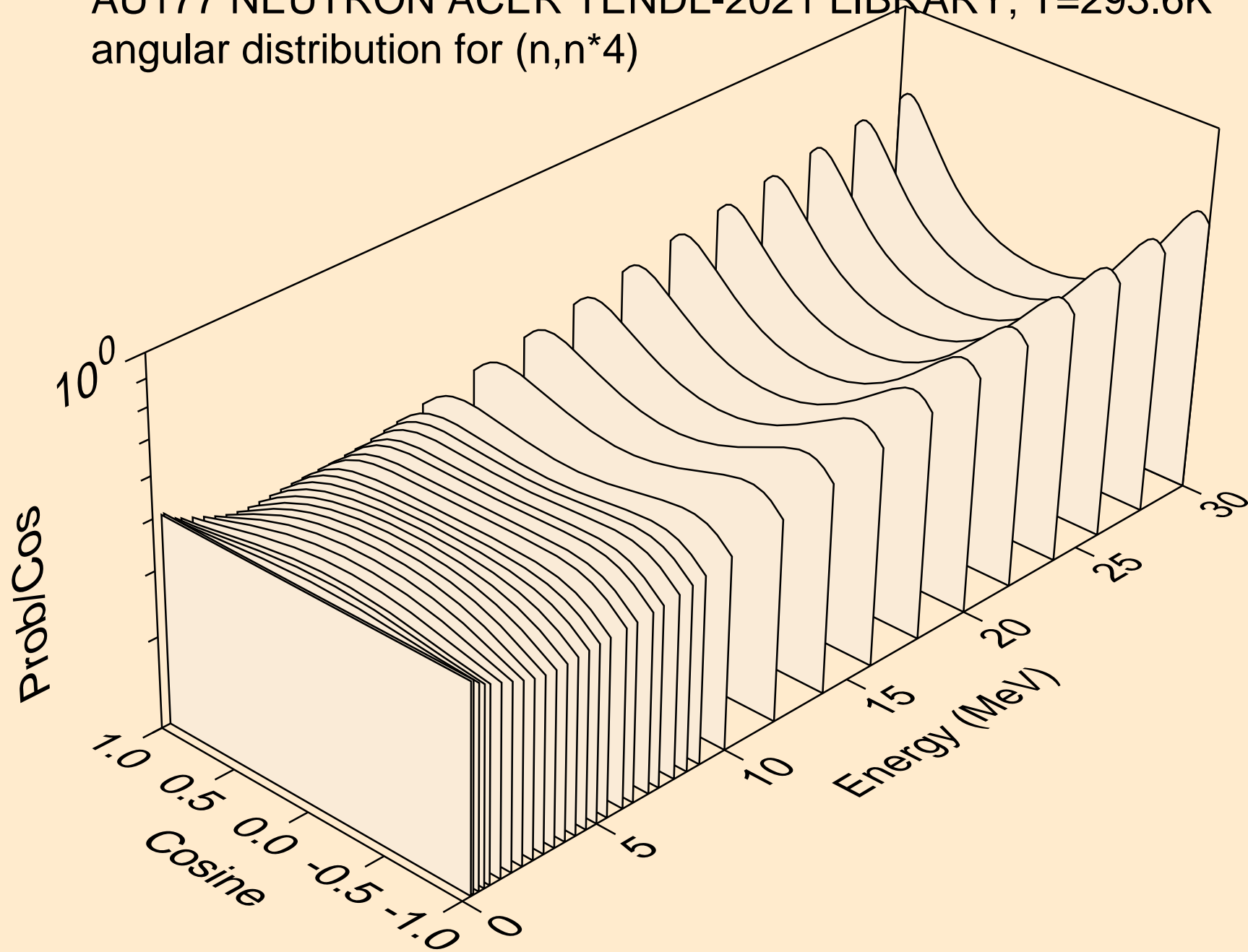
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angular distribution for (n,n\*2)



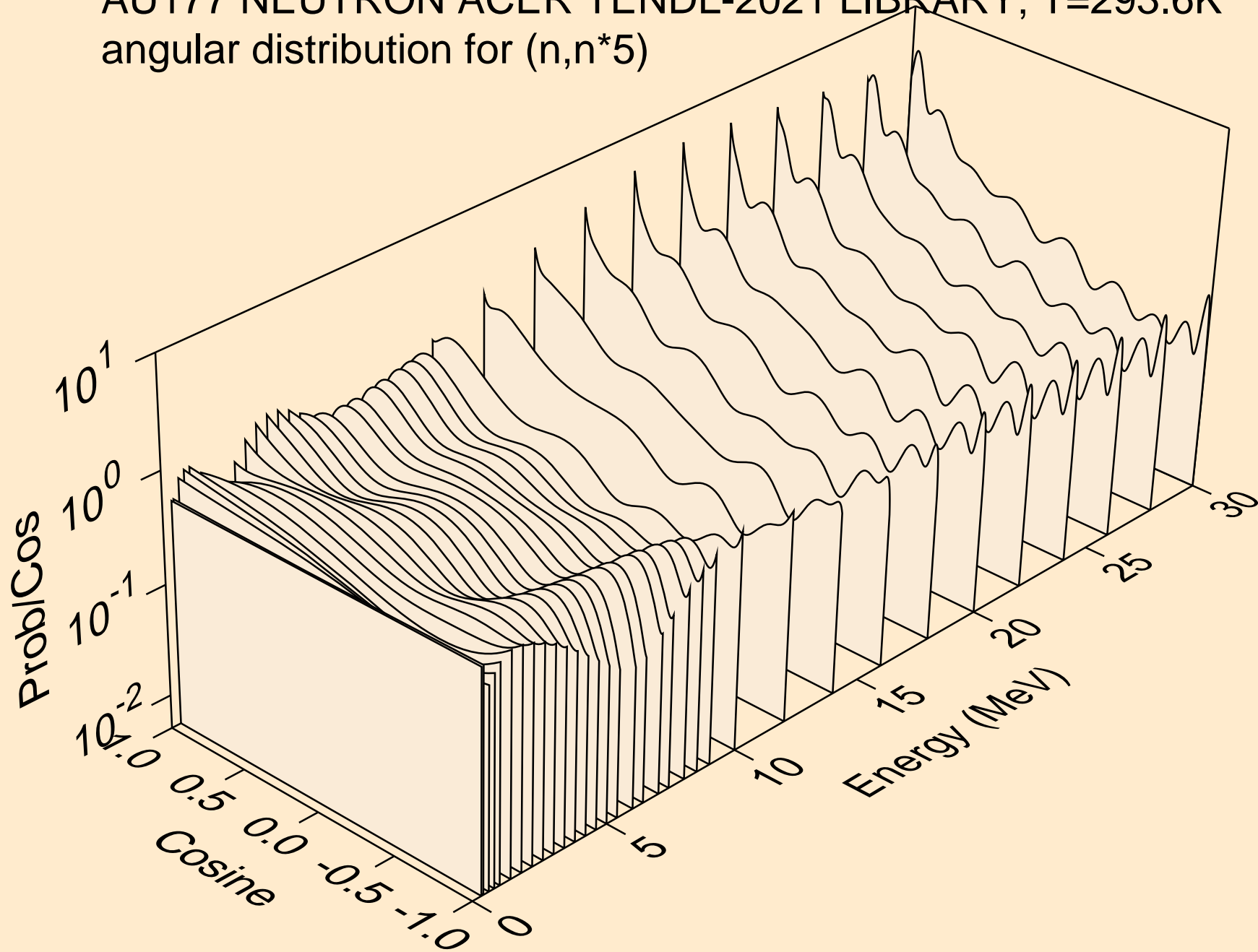
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angular distribution for (n,n\*3)



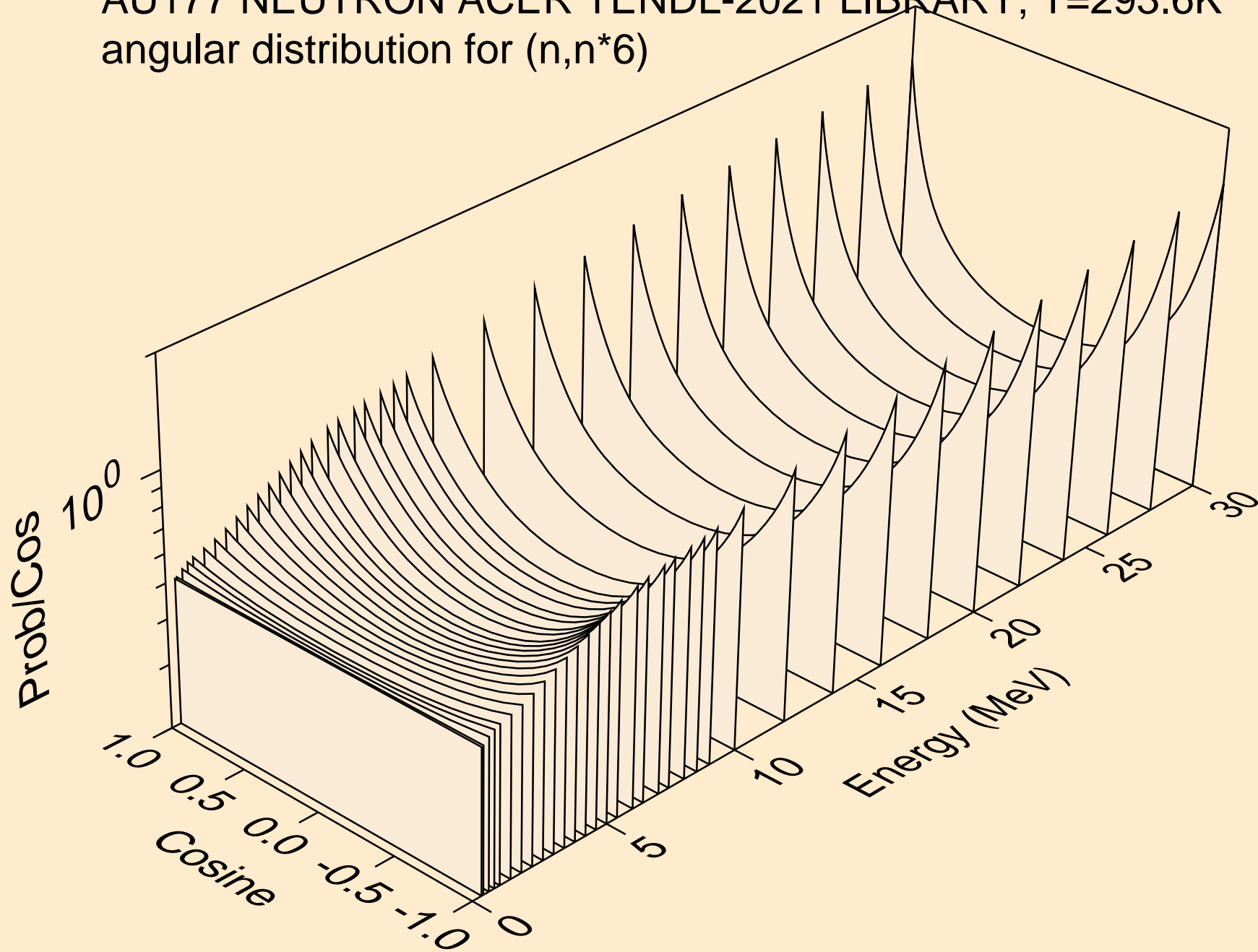
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angular distribution for (n,n\*4)



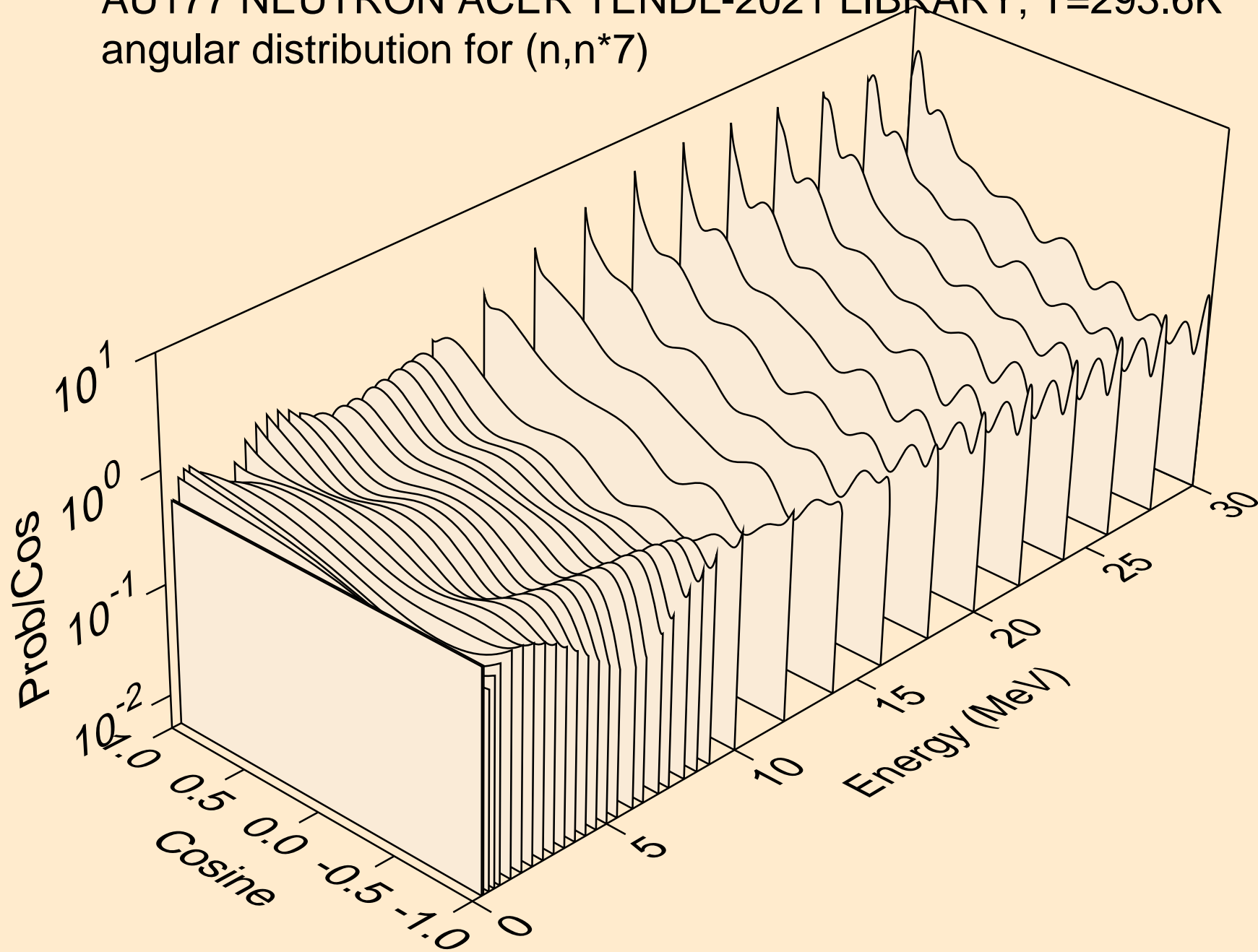
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)



AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)

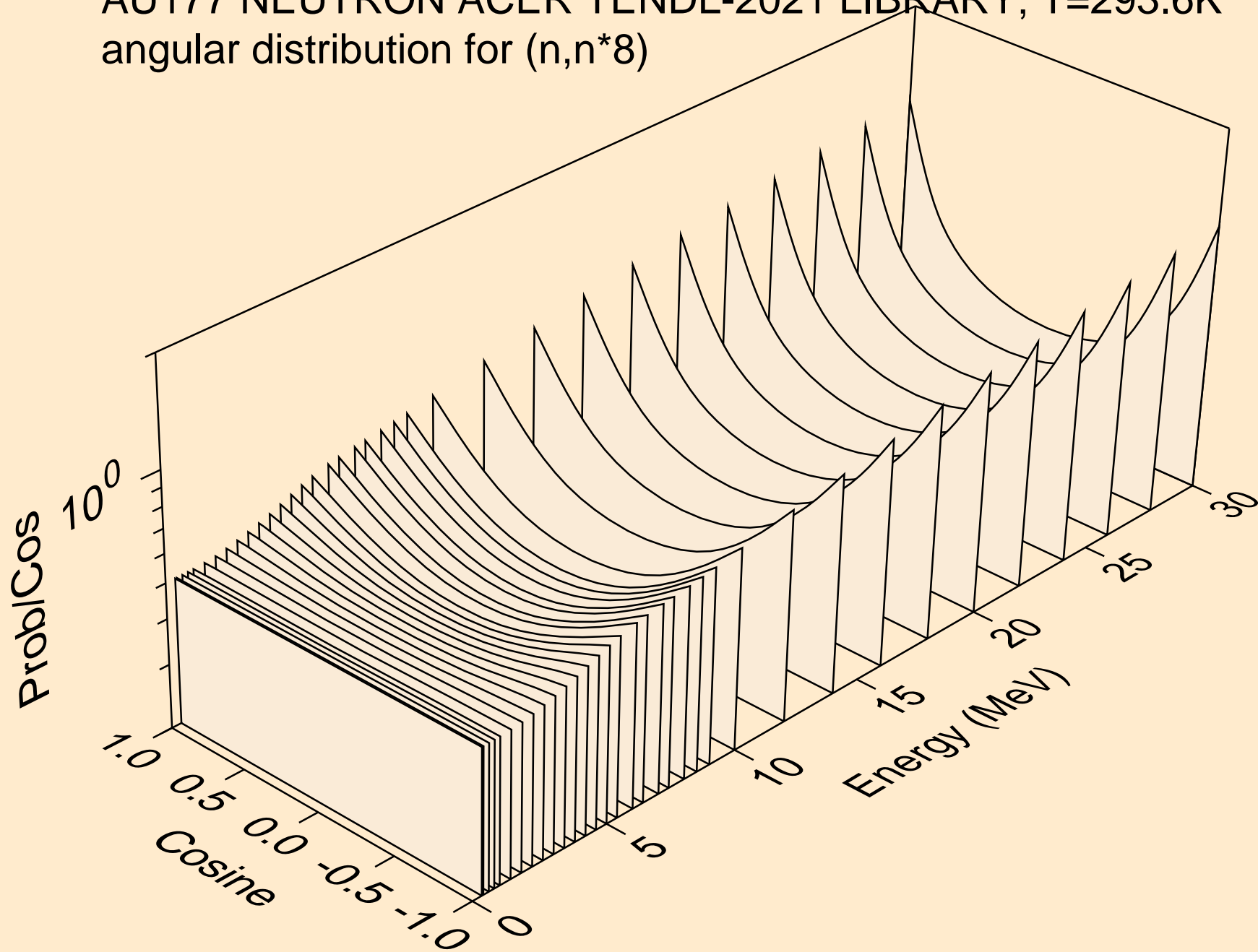


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angular distribution for (n,n\*7)

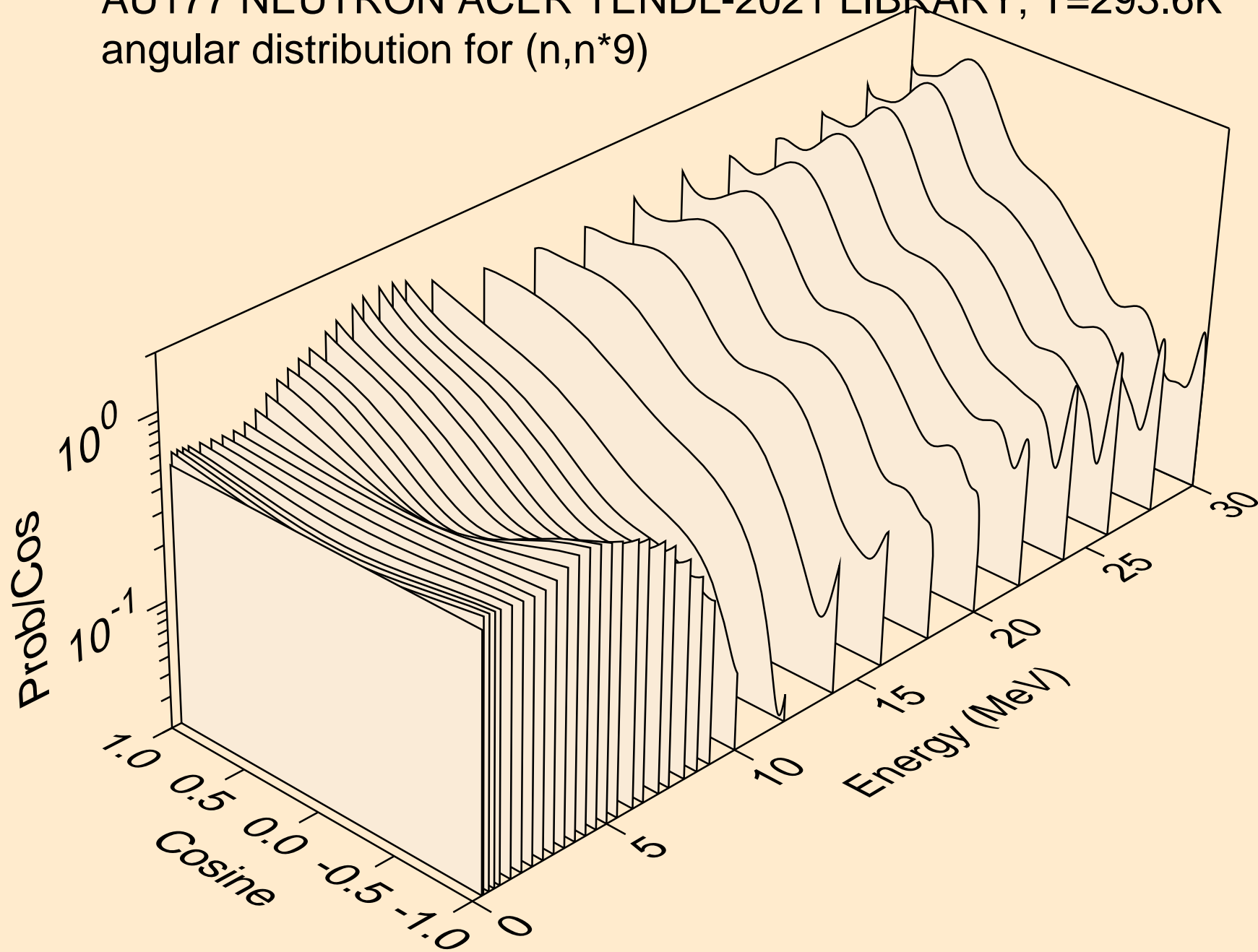




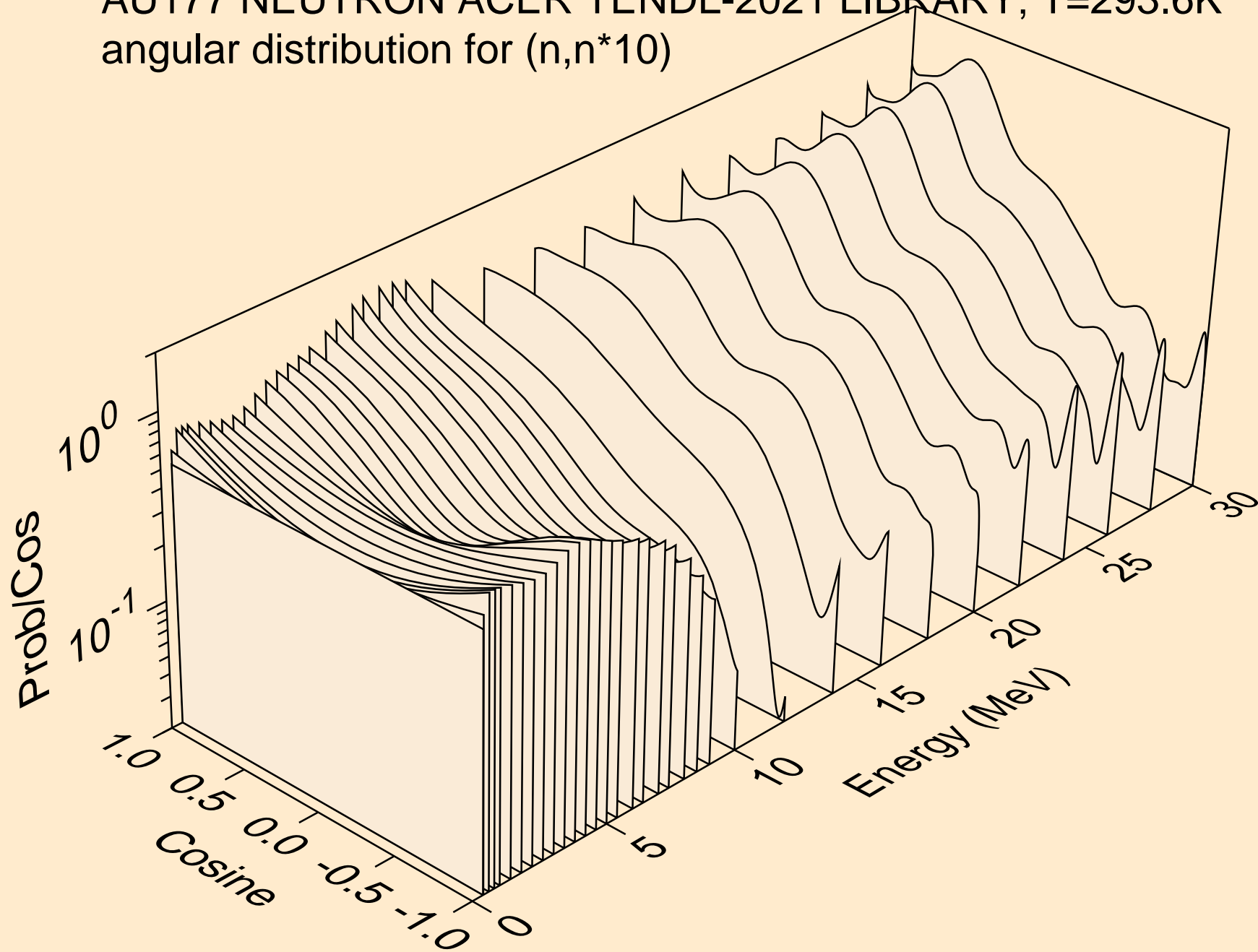
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angular distribution for (n,n\*8)



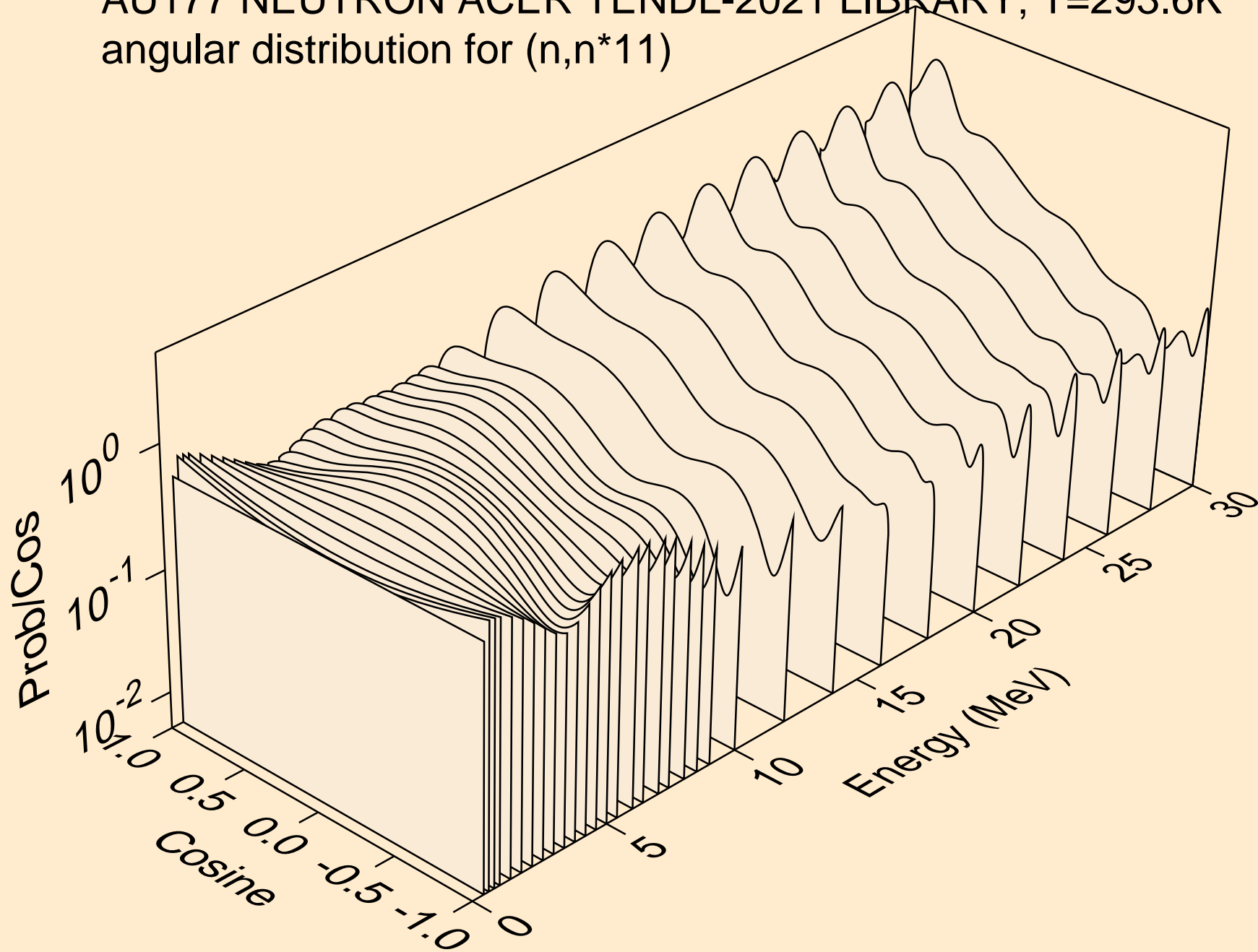
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angular distribution for (n,n\*9)



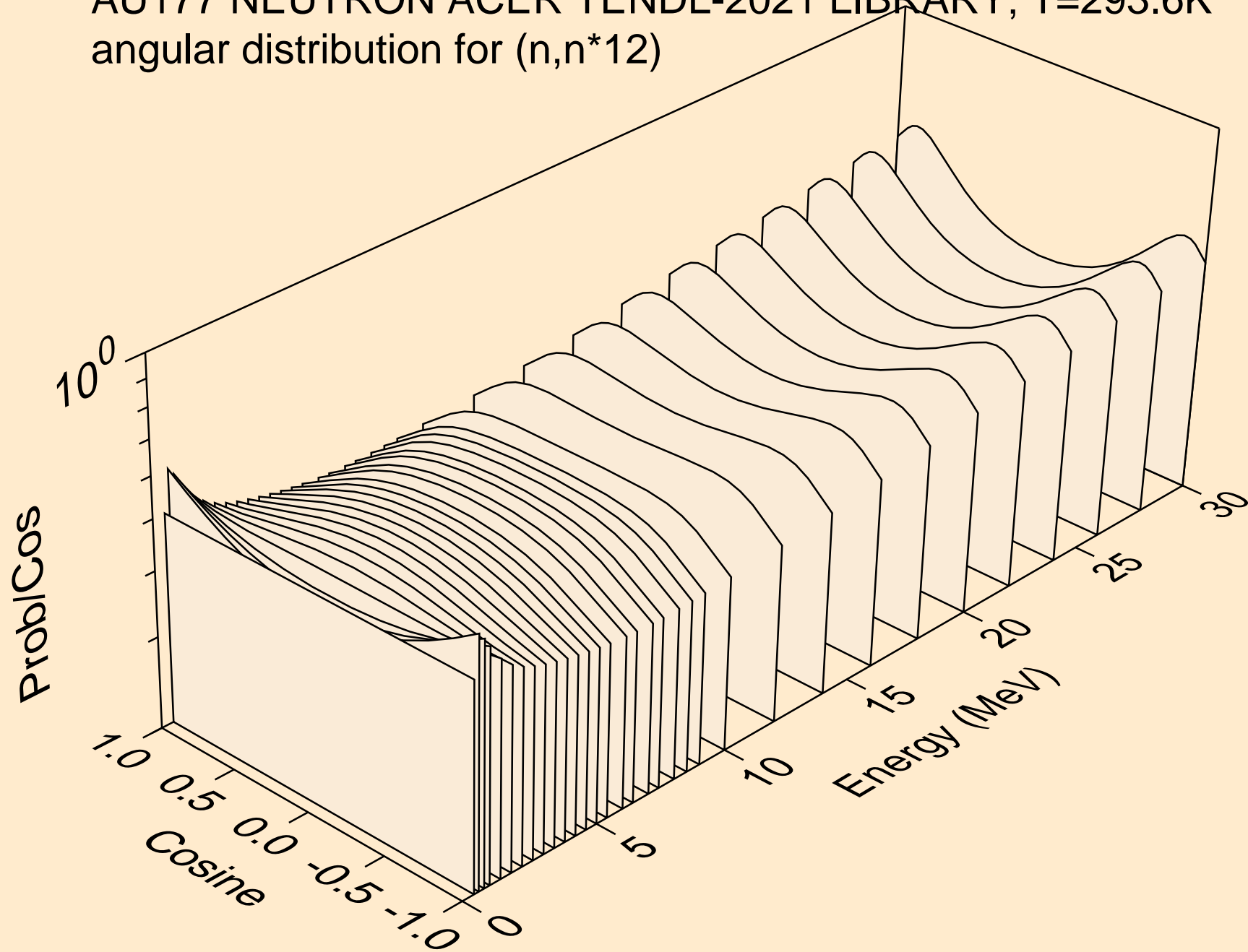
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angular distribution for (n,n\*10)



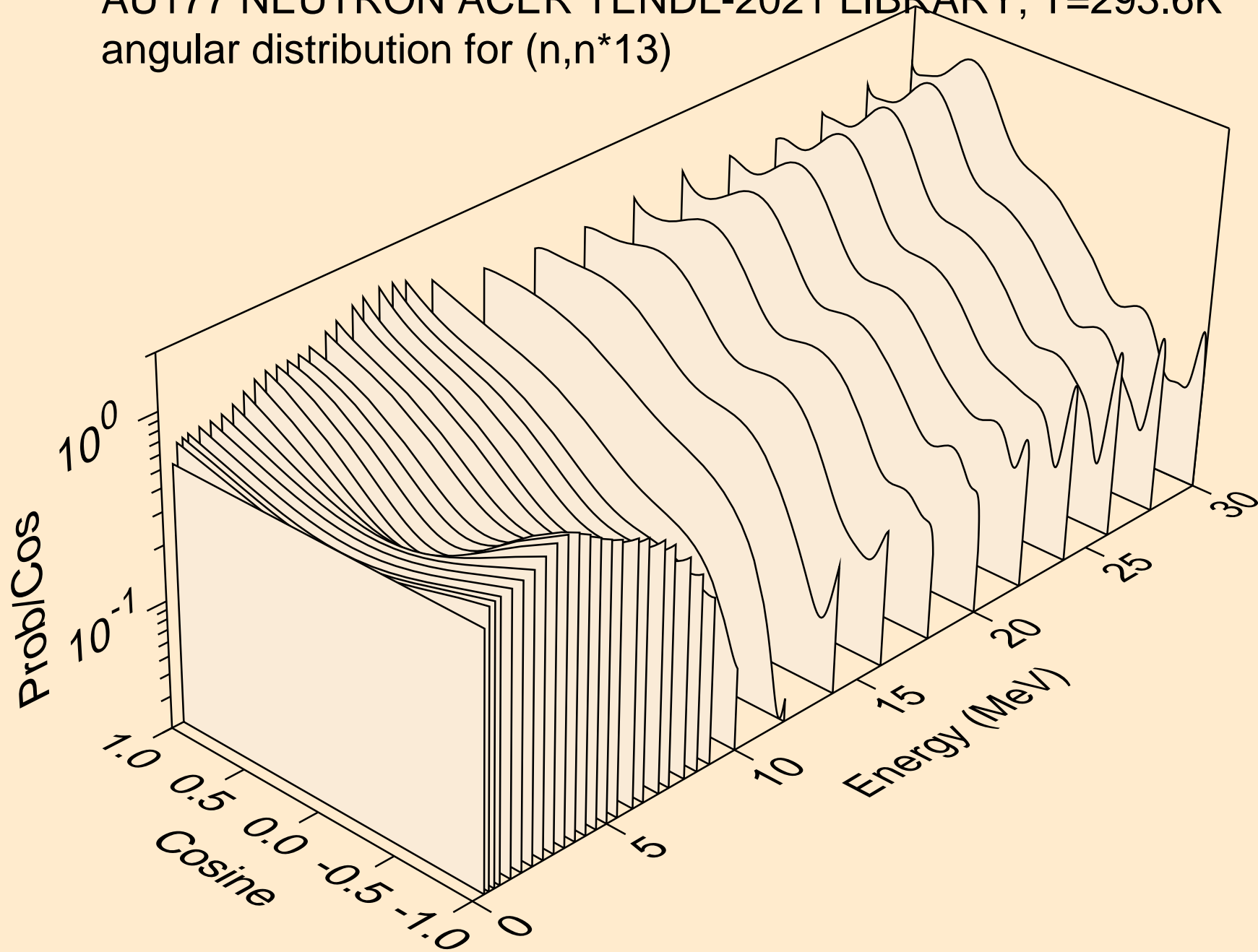
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angular distribution for (n,n\*11)



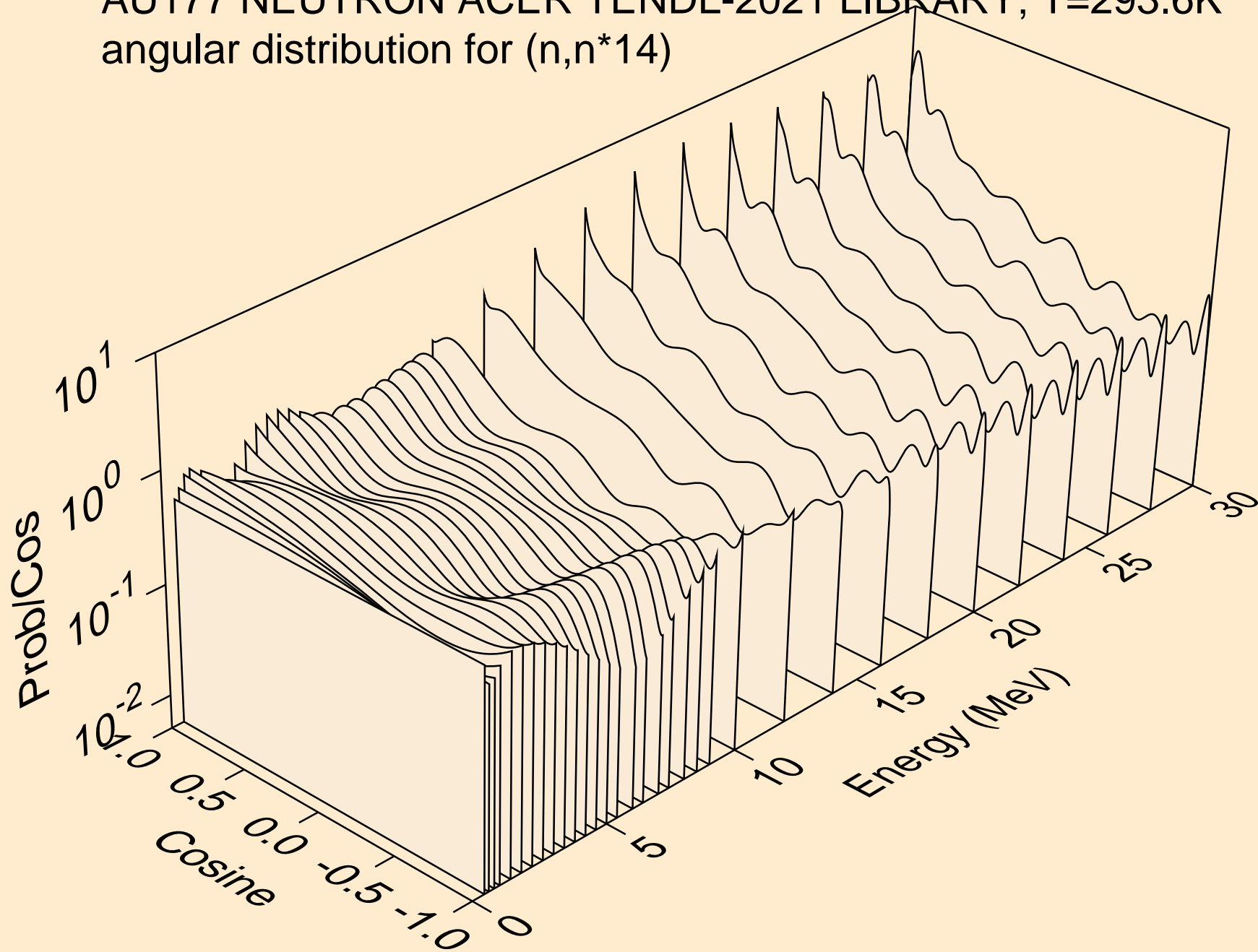
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angular distribution for (n,n\*12)



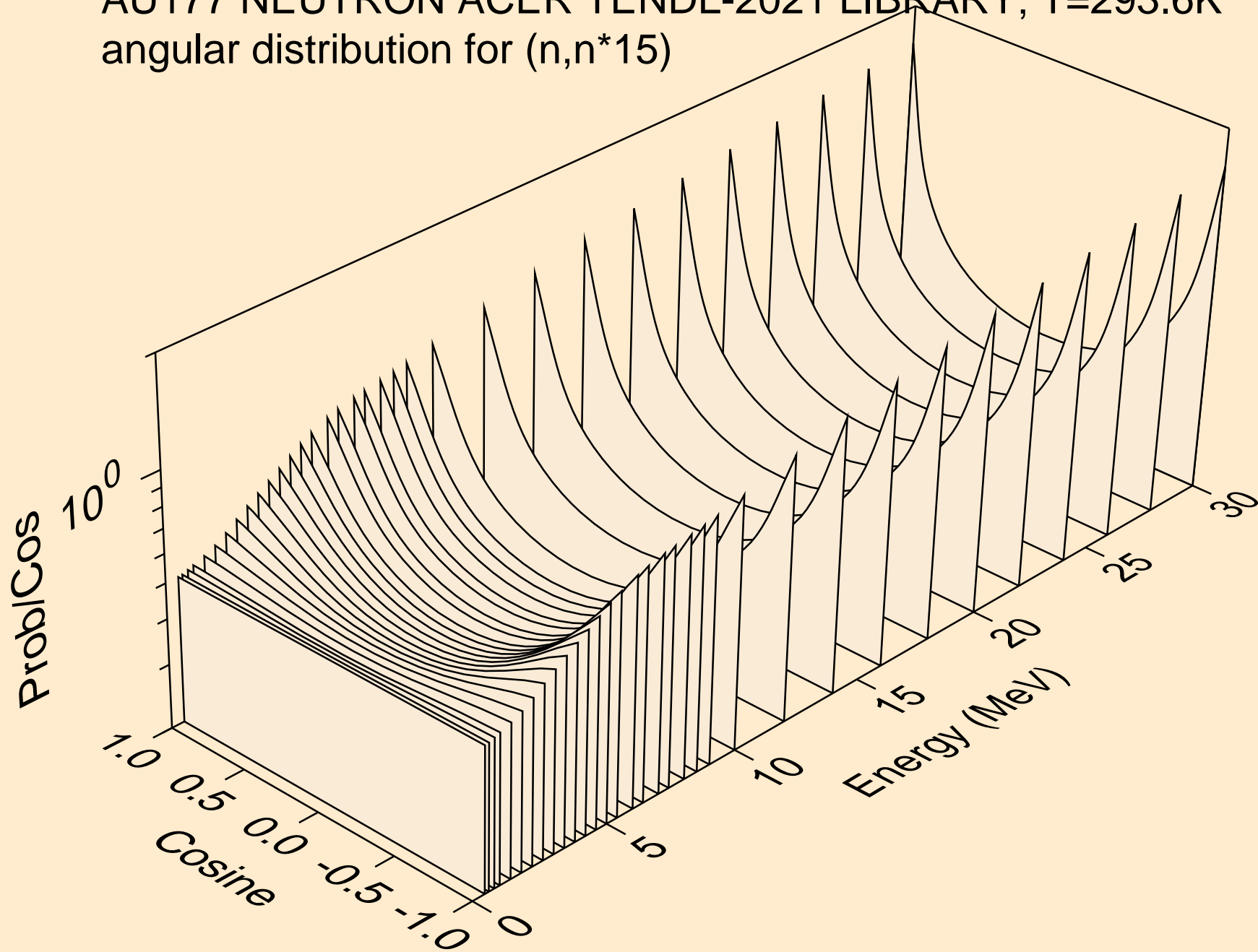
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*13)



AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*14)

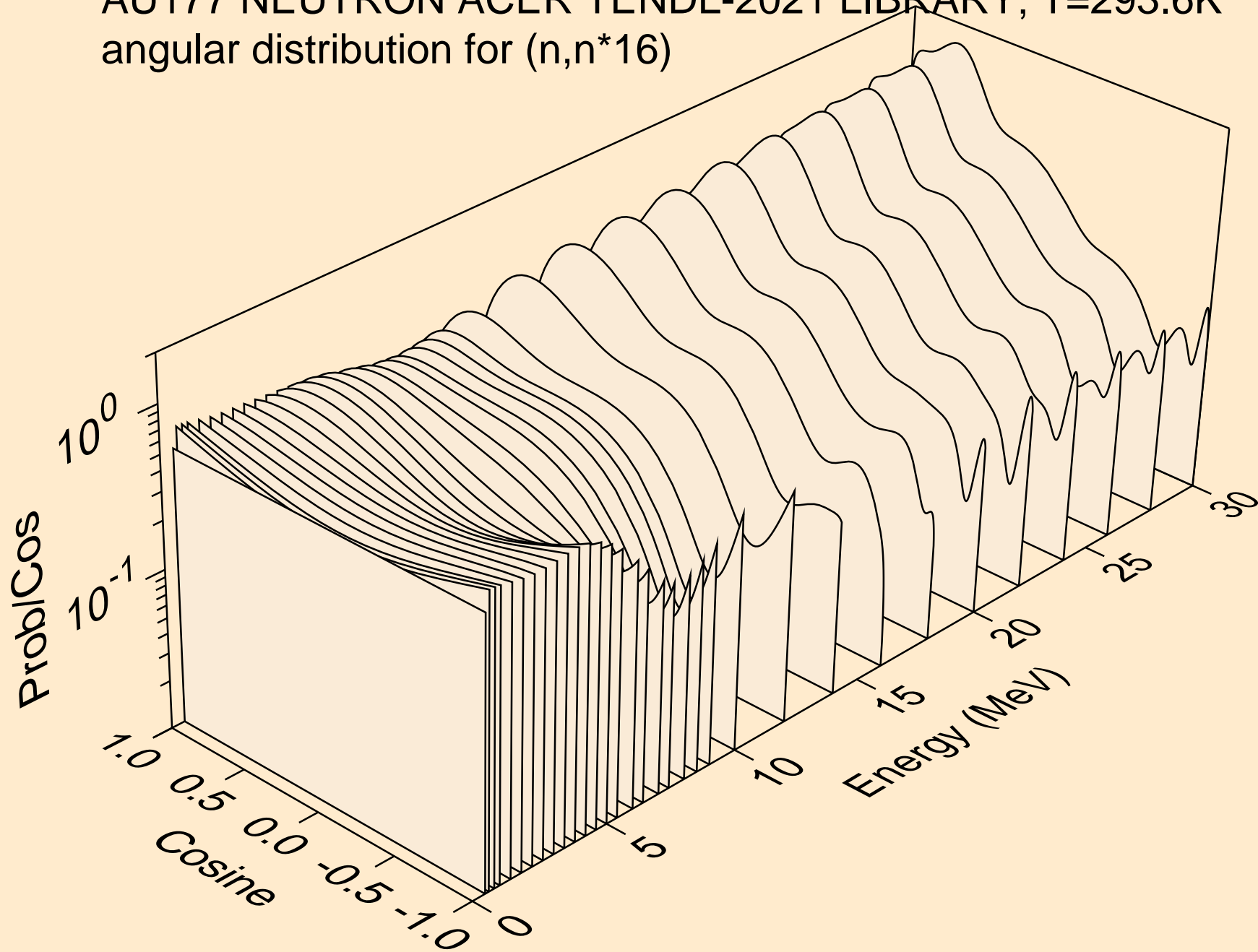


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angular distribution for (n,n\*15)

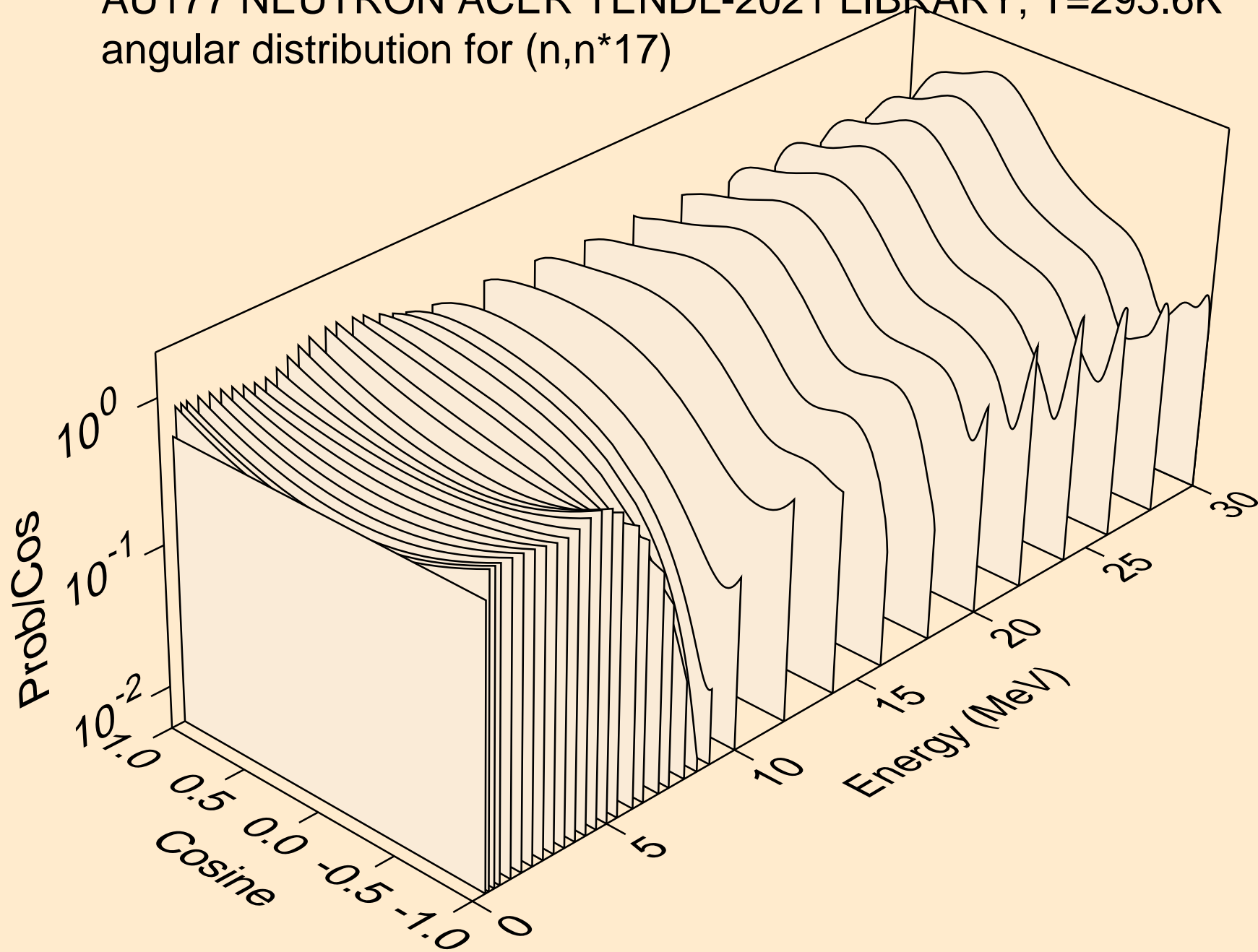




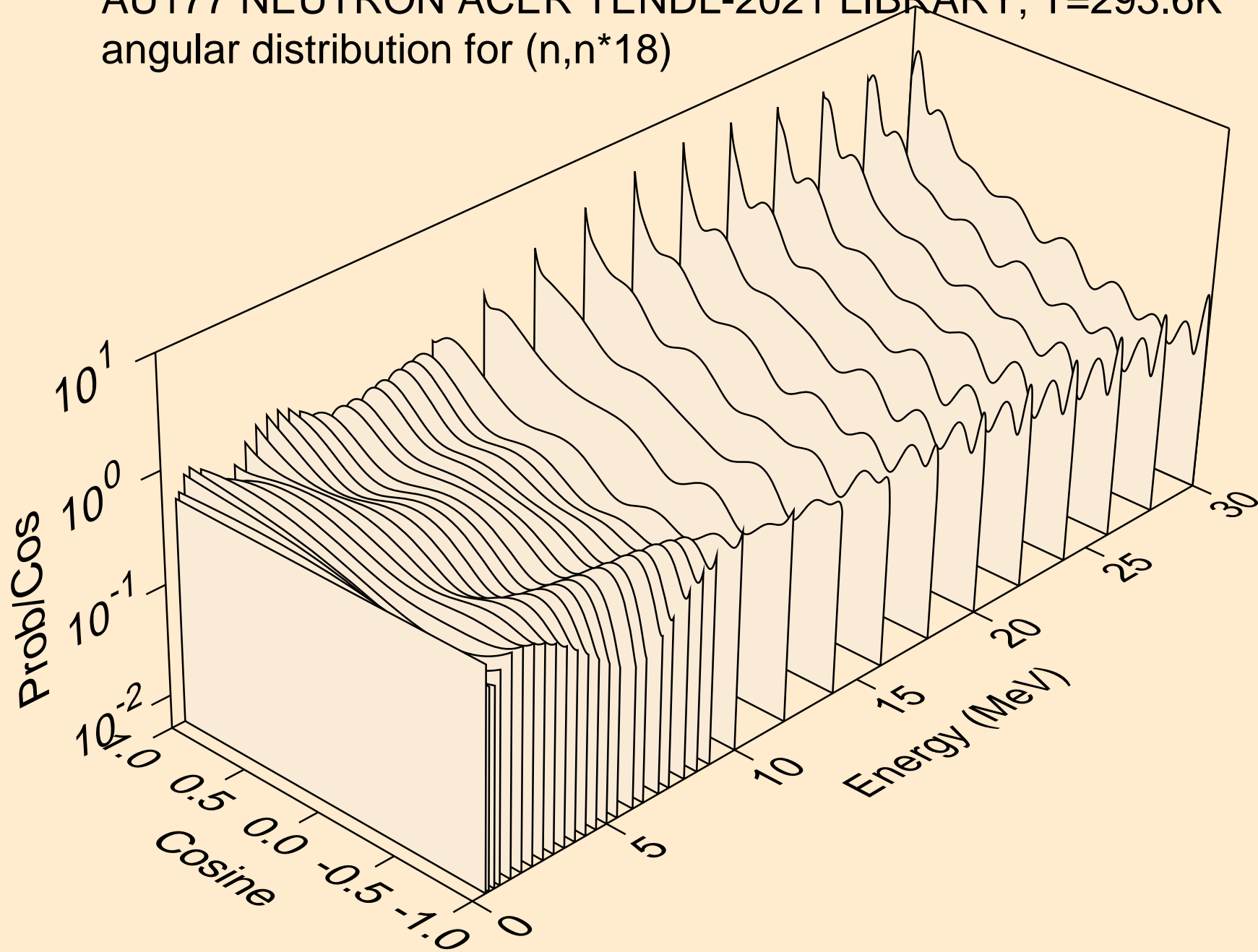
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angular distribution for (n,n\*16)



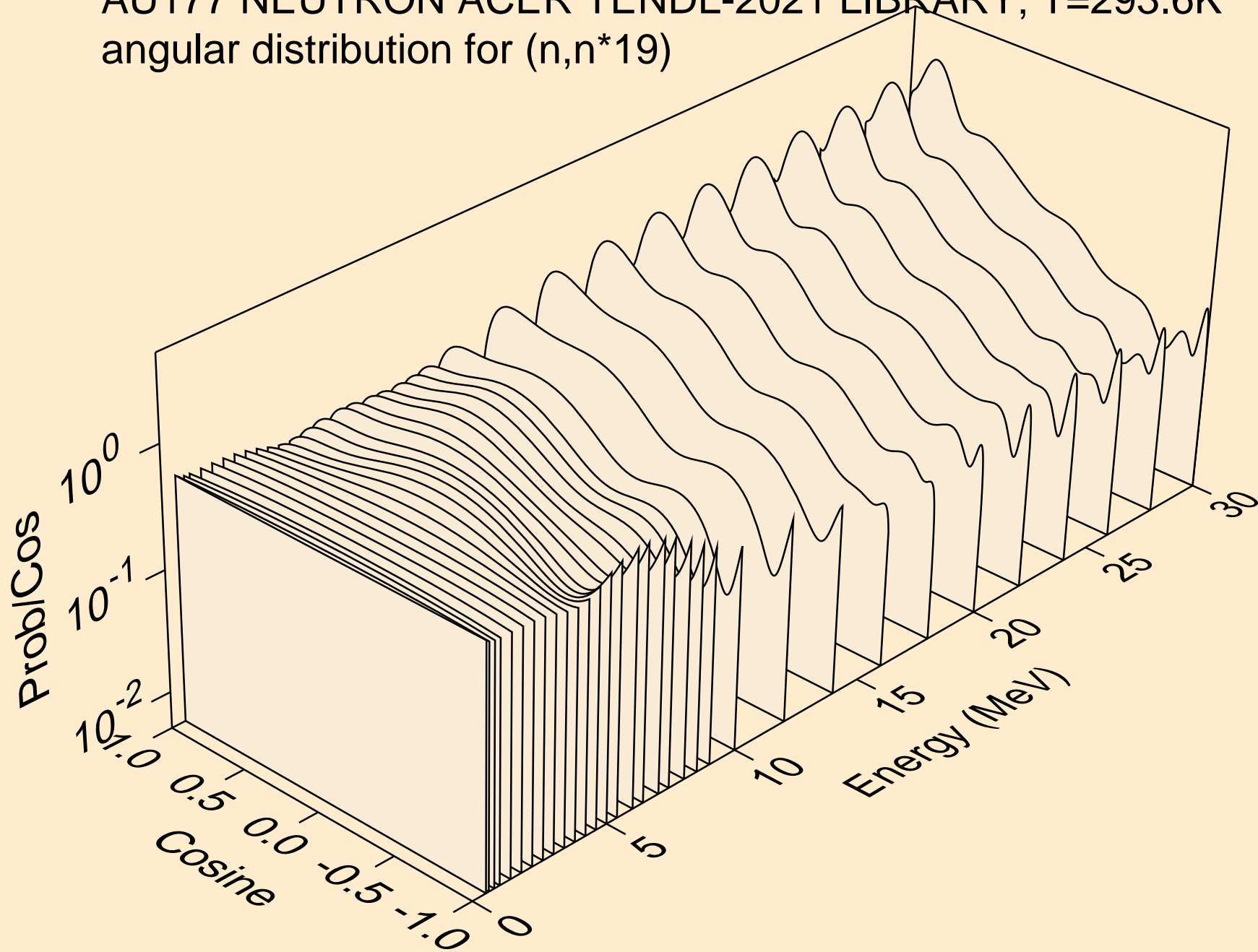
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angular distribution for (n,n\*17)



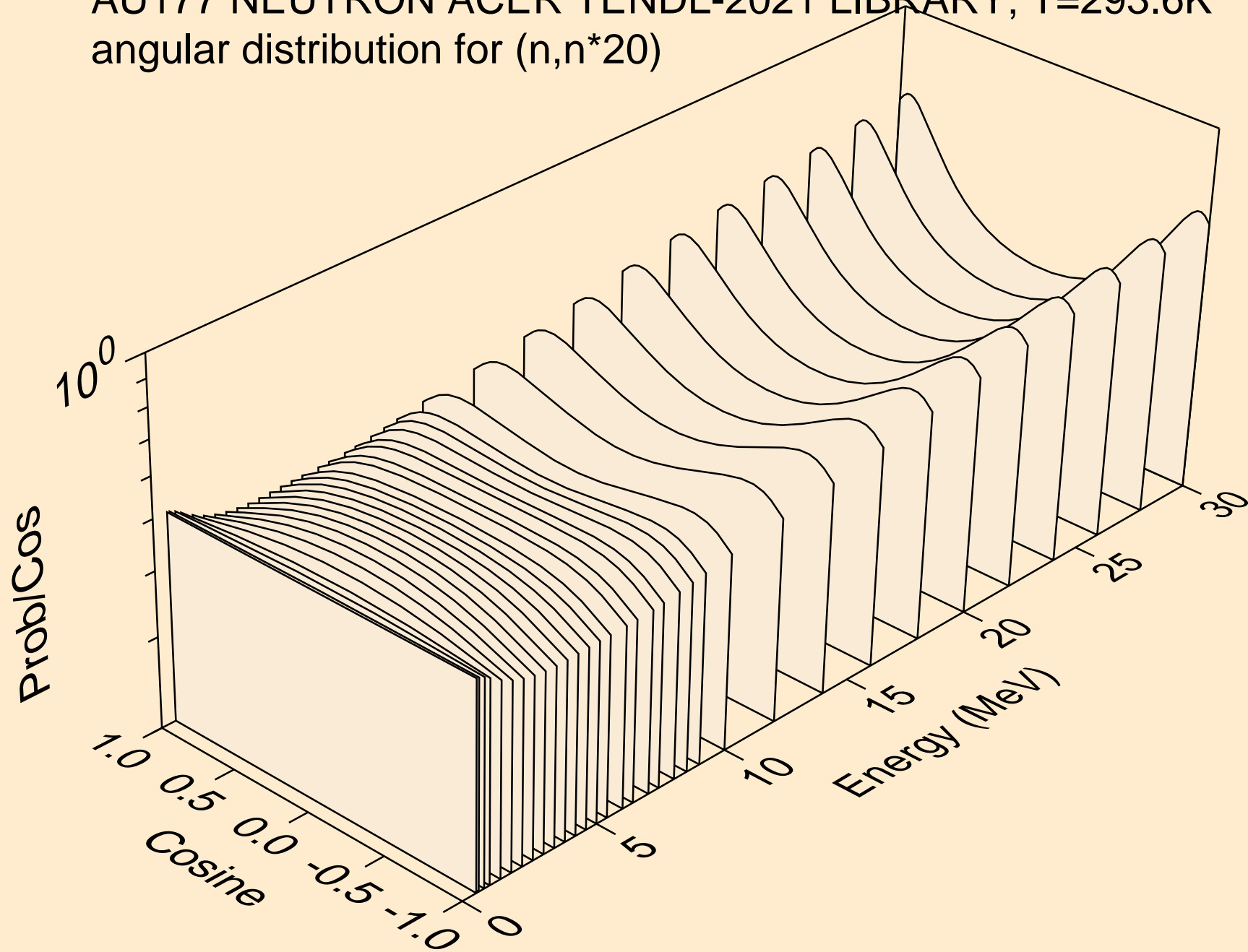
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angular distribution for (n,n\*18)



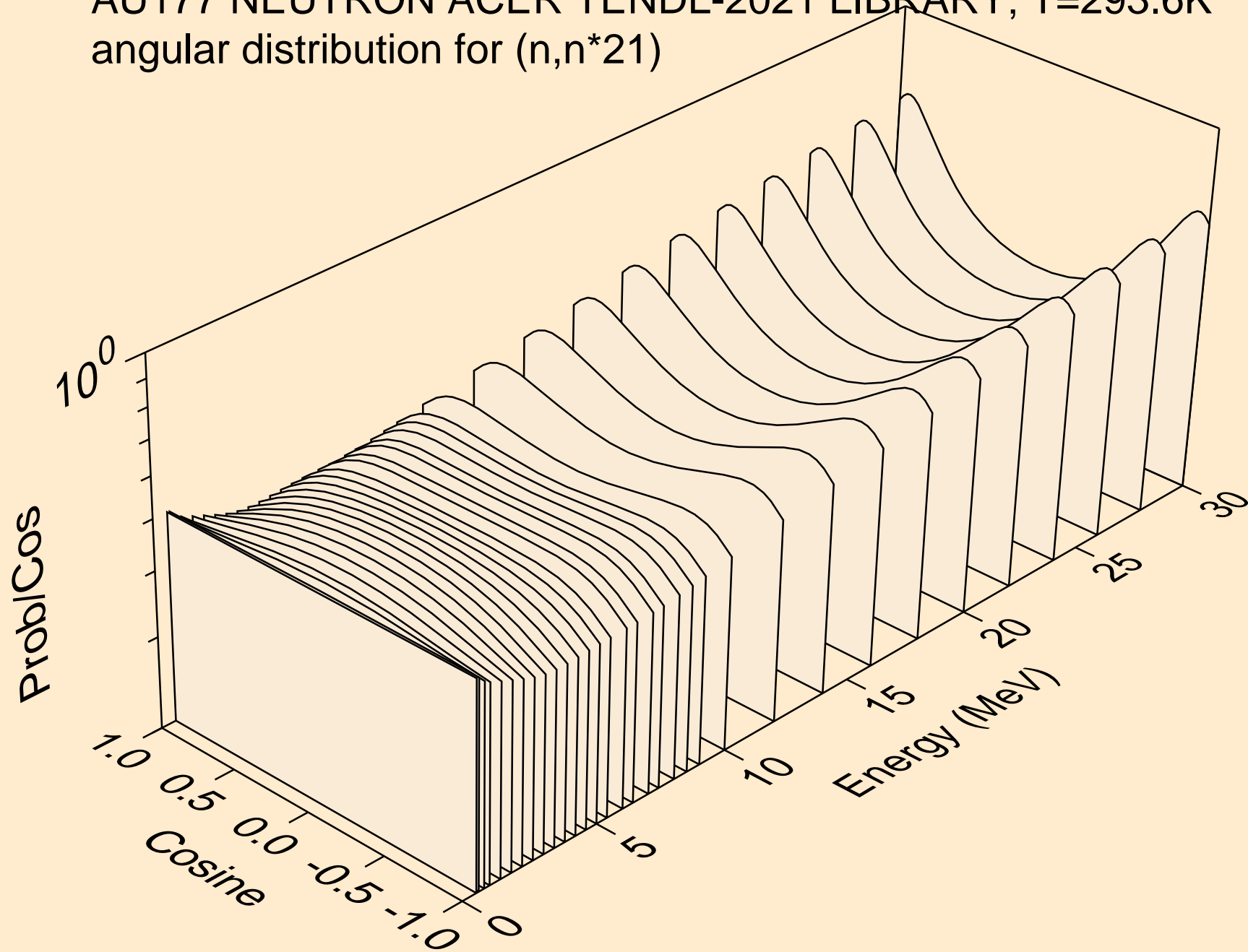
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angular distribution for (n,n\*19)



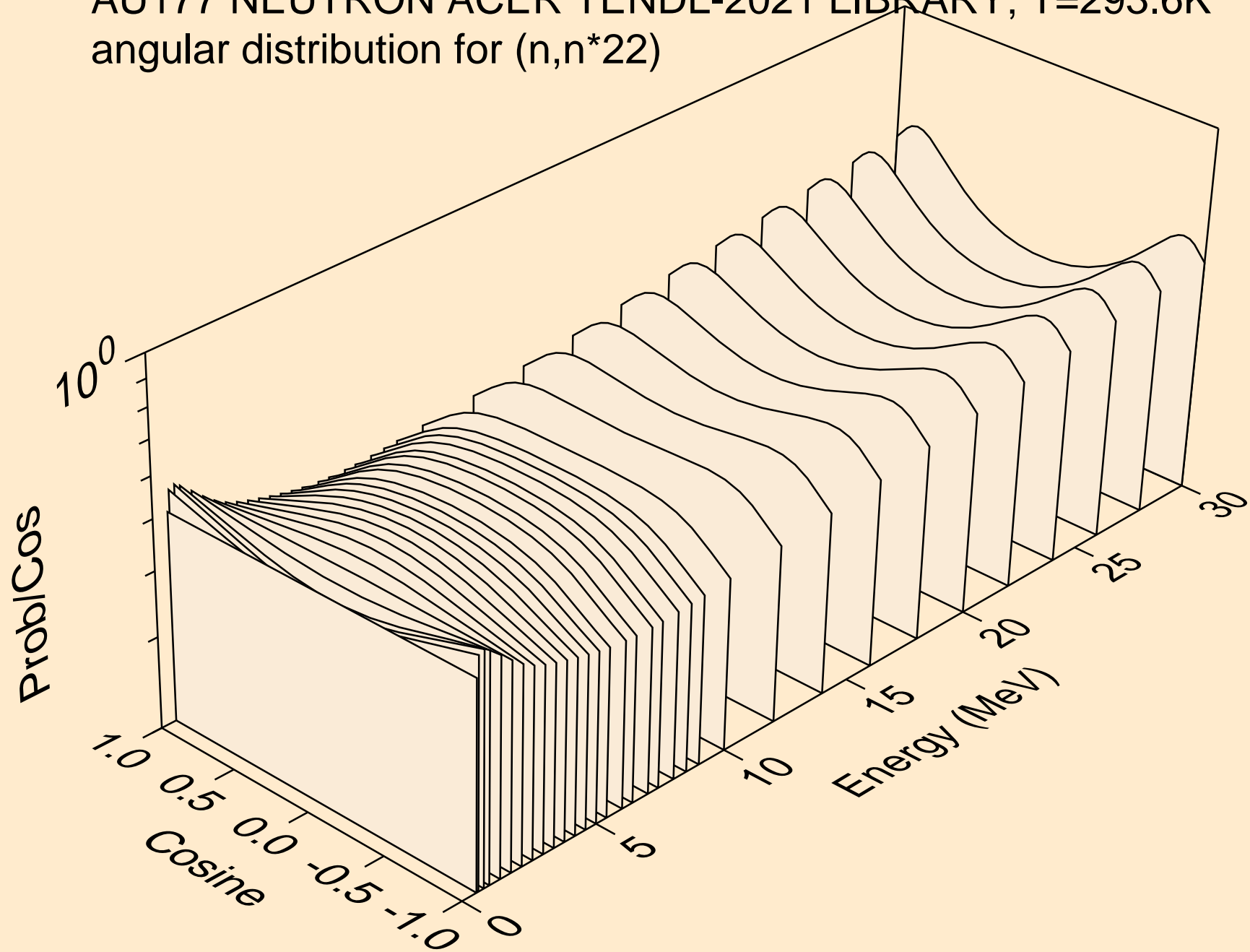
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angular distribution for (n,n\*20)



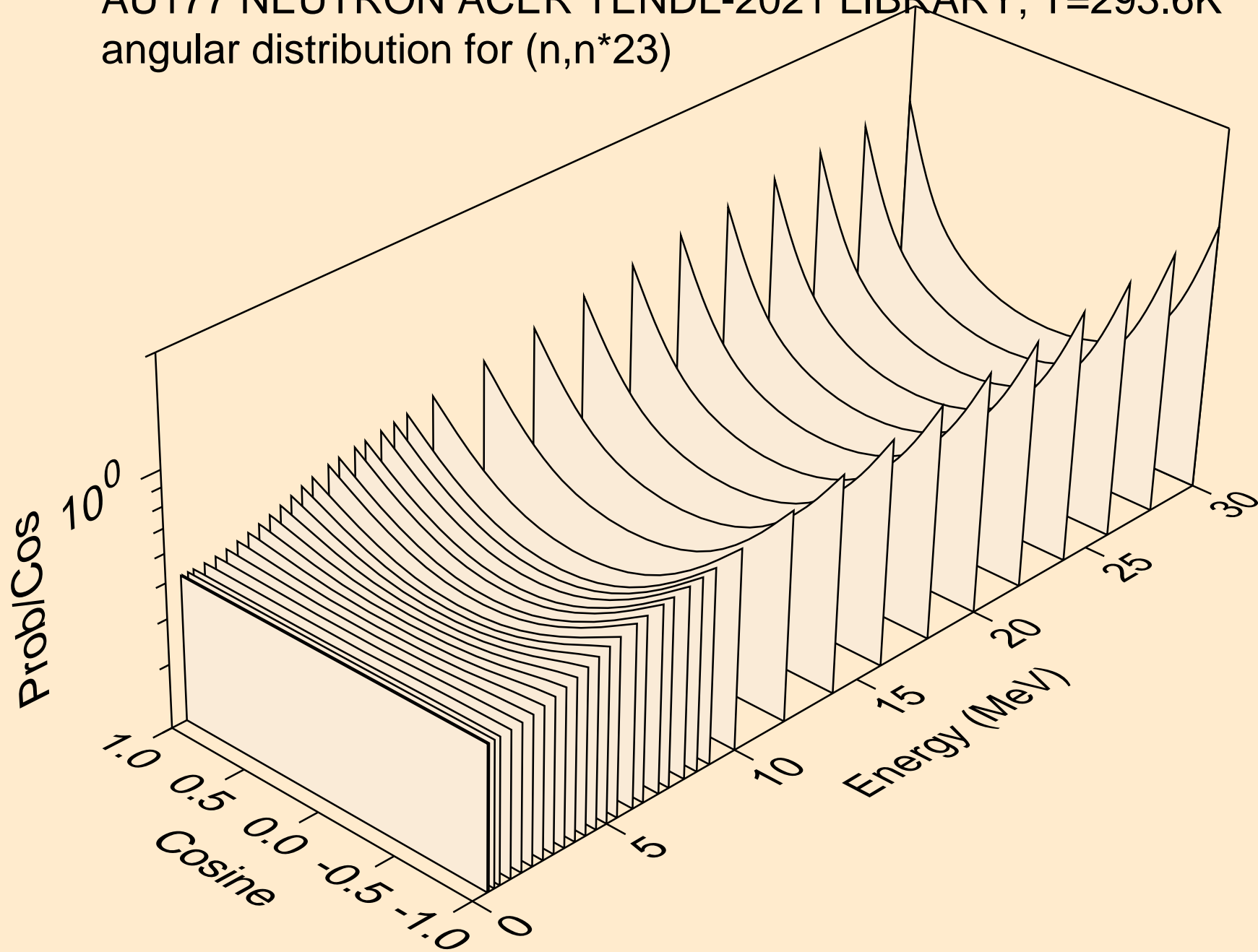
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*21)



AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*22)

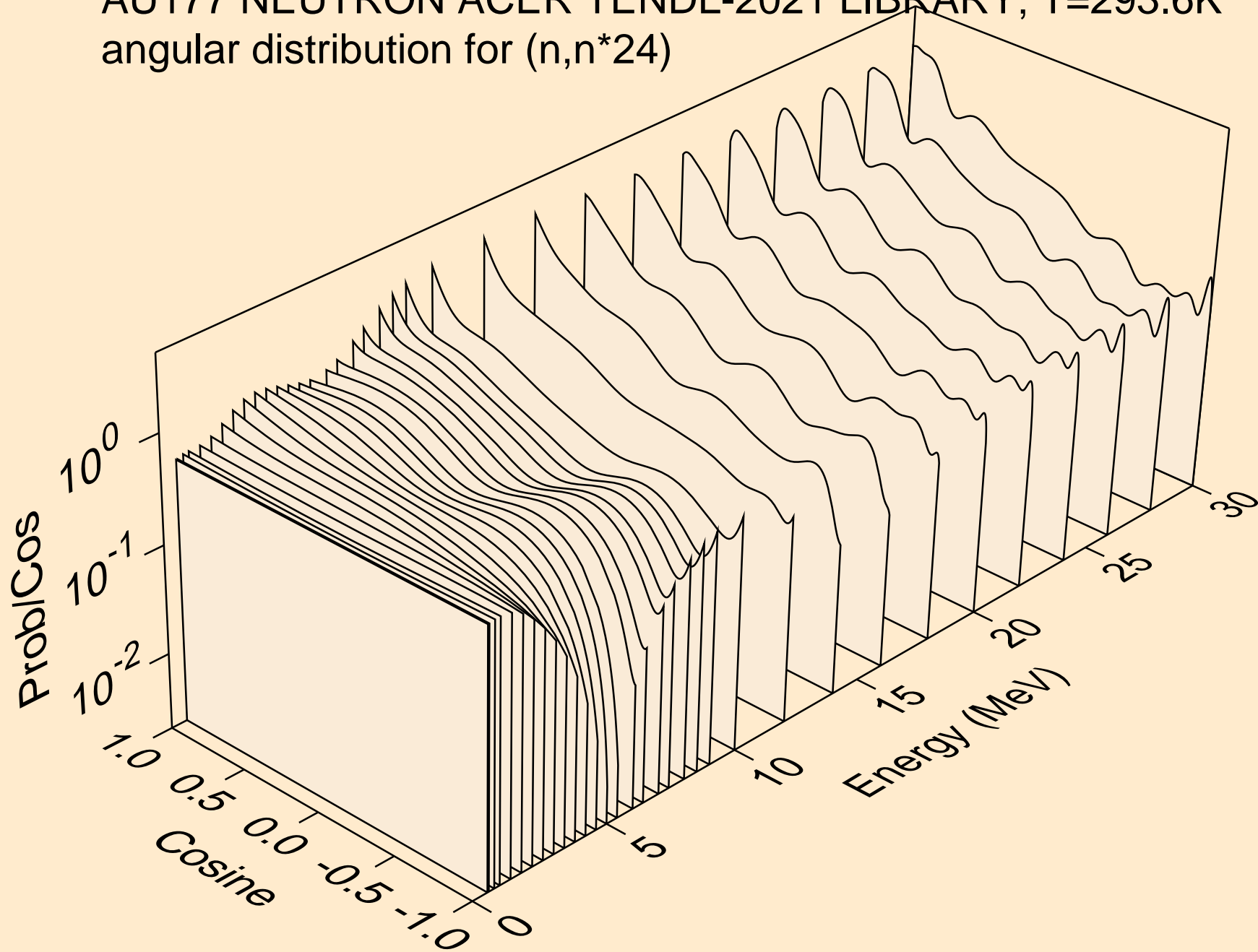


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angular distribution for (n,n\*23)

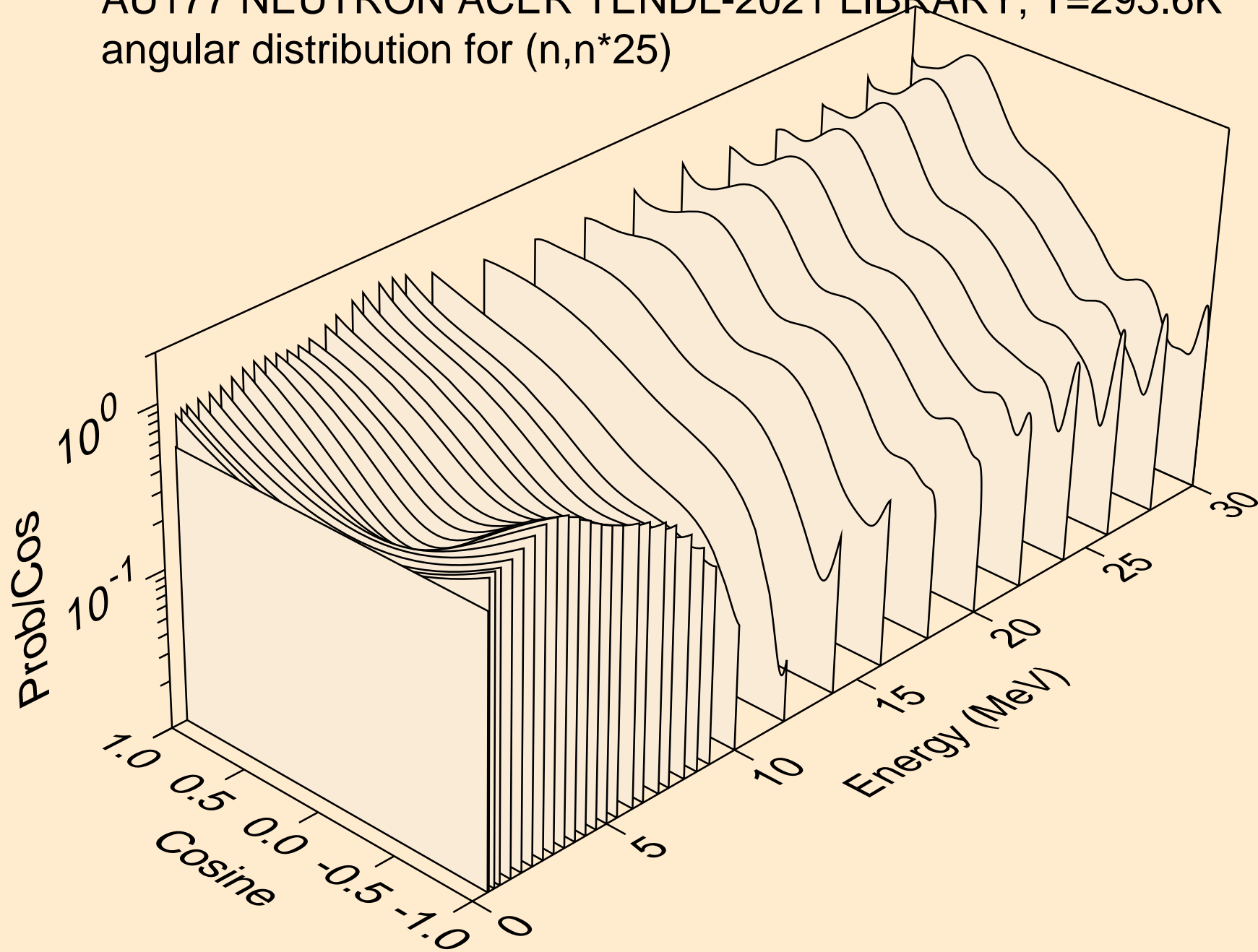




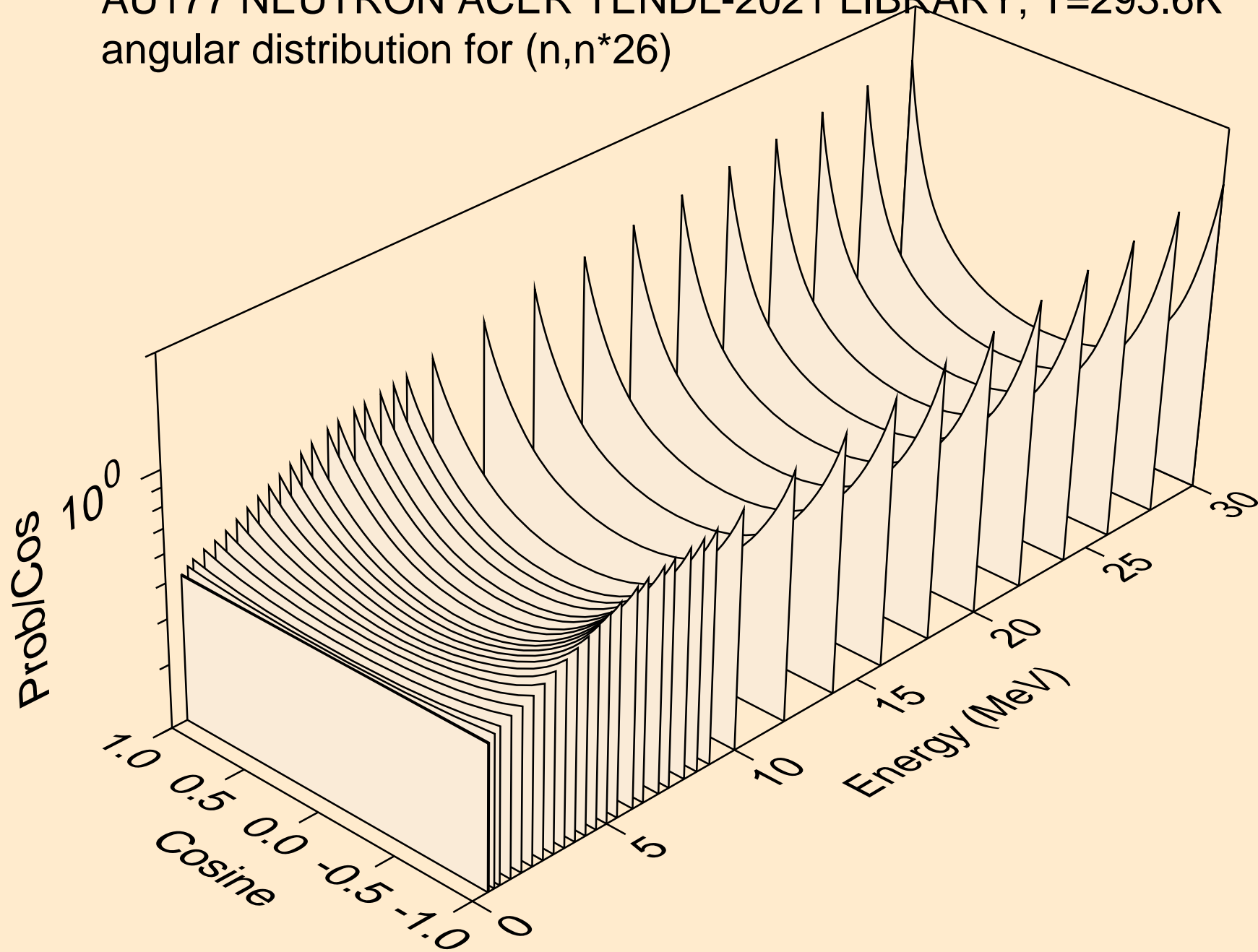
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angular distribution for (n,n\*24)



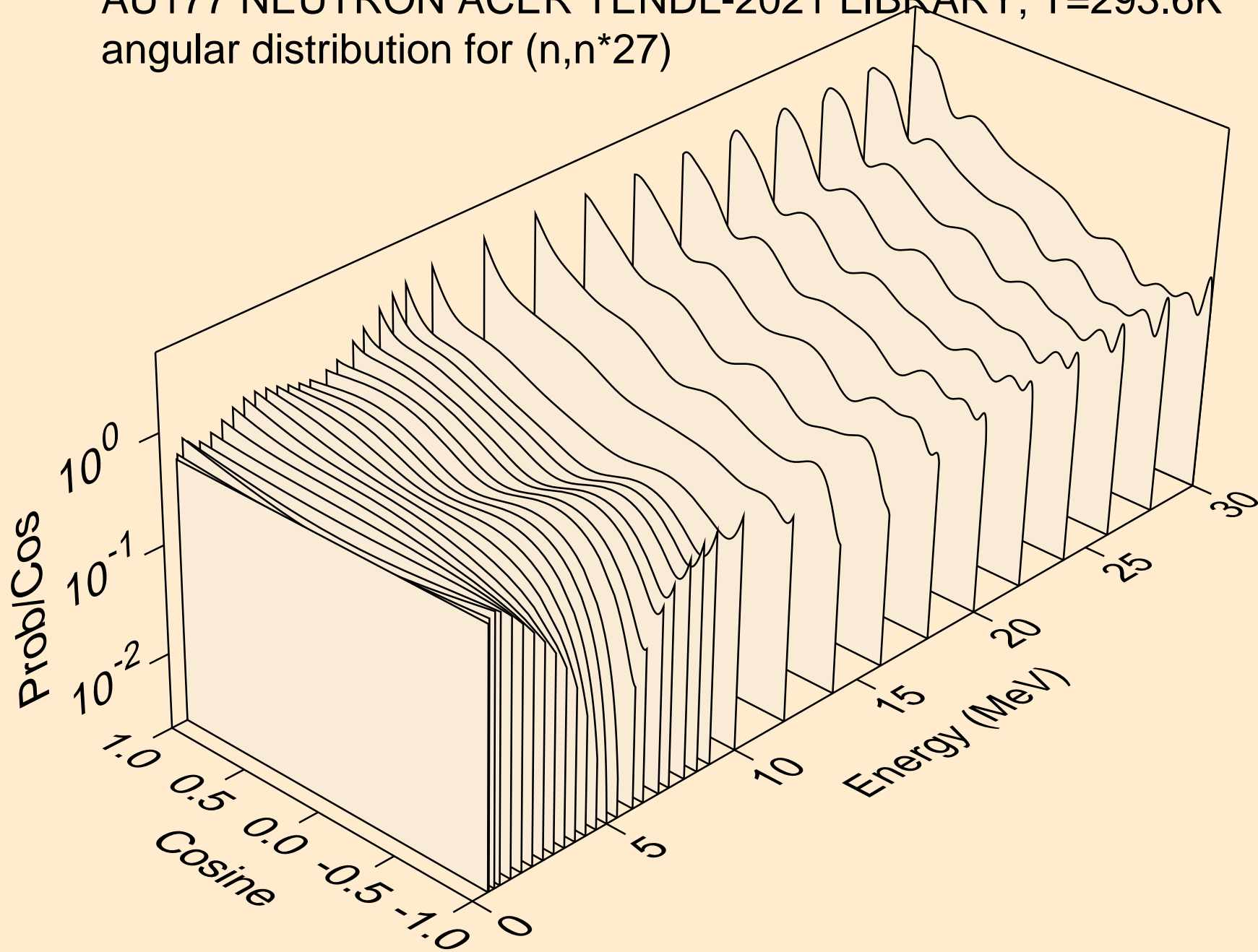
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angular distribution for (n,n\*25)



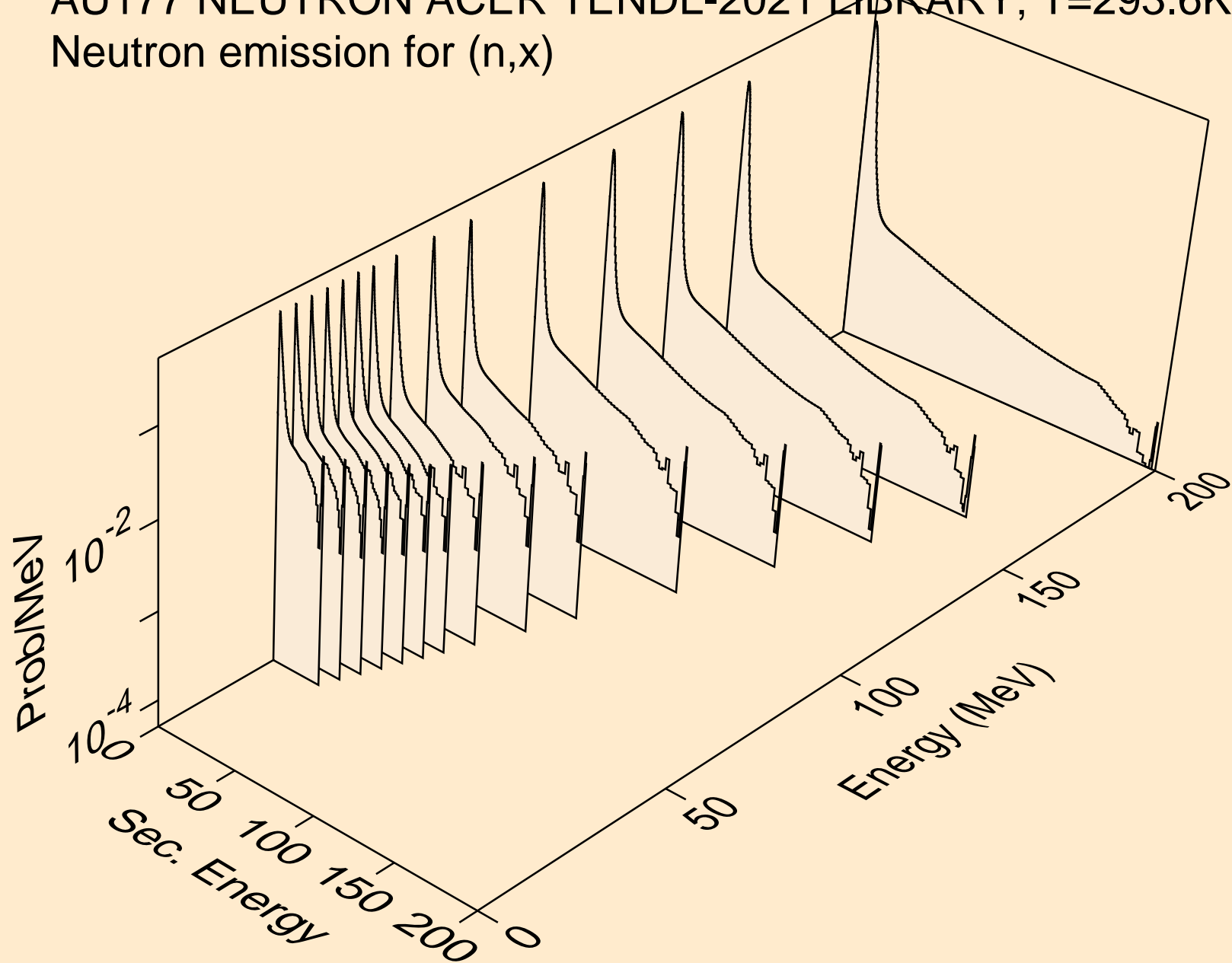
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angular distribution for (n,n\*26)



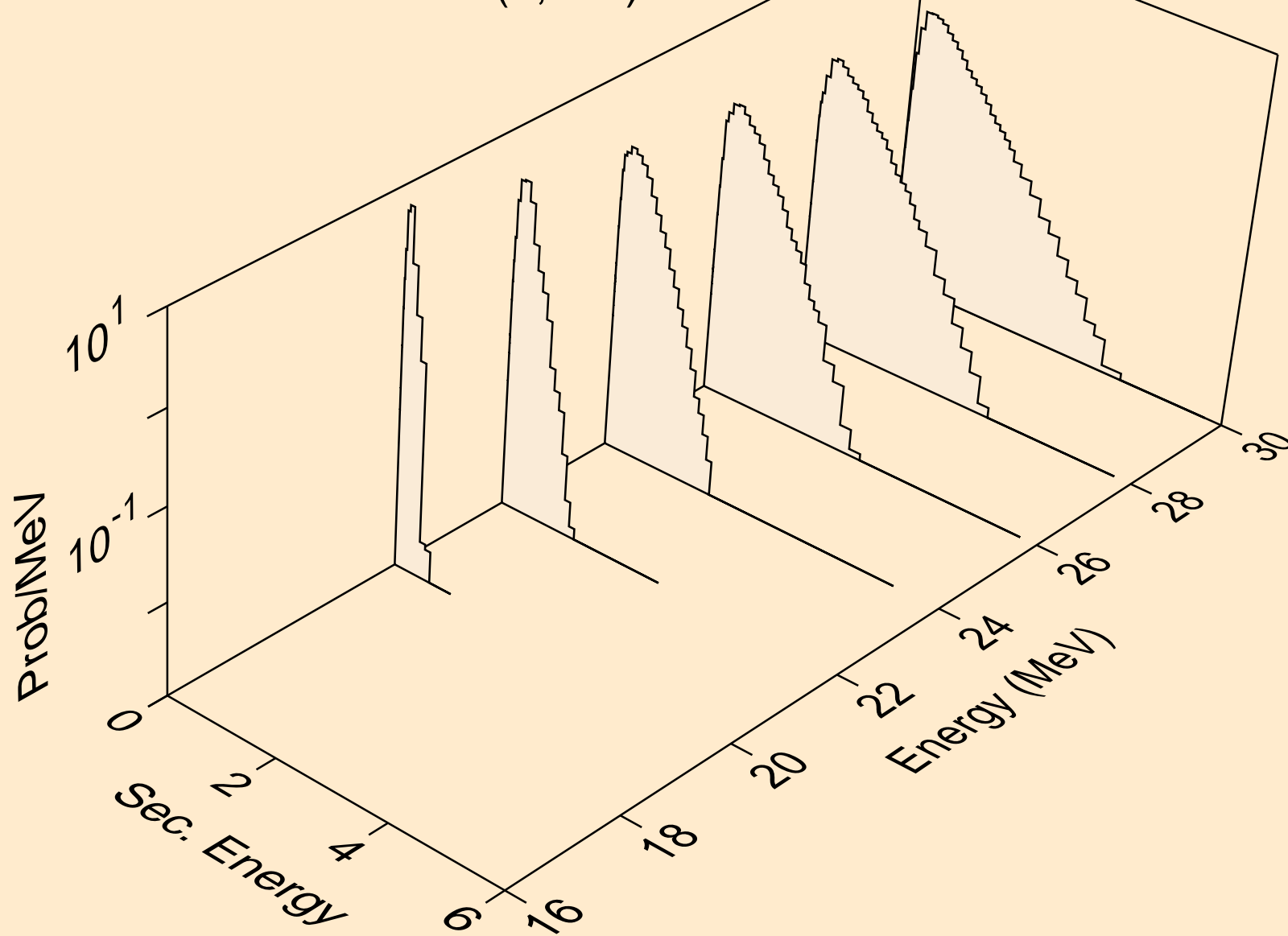
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angular distribution for (n,n\*27)



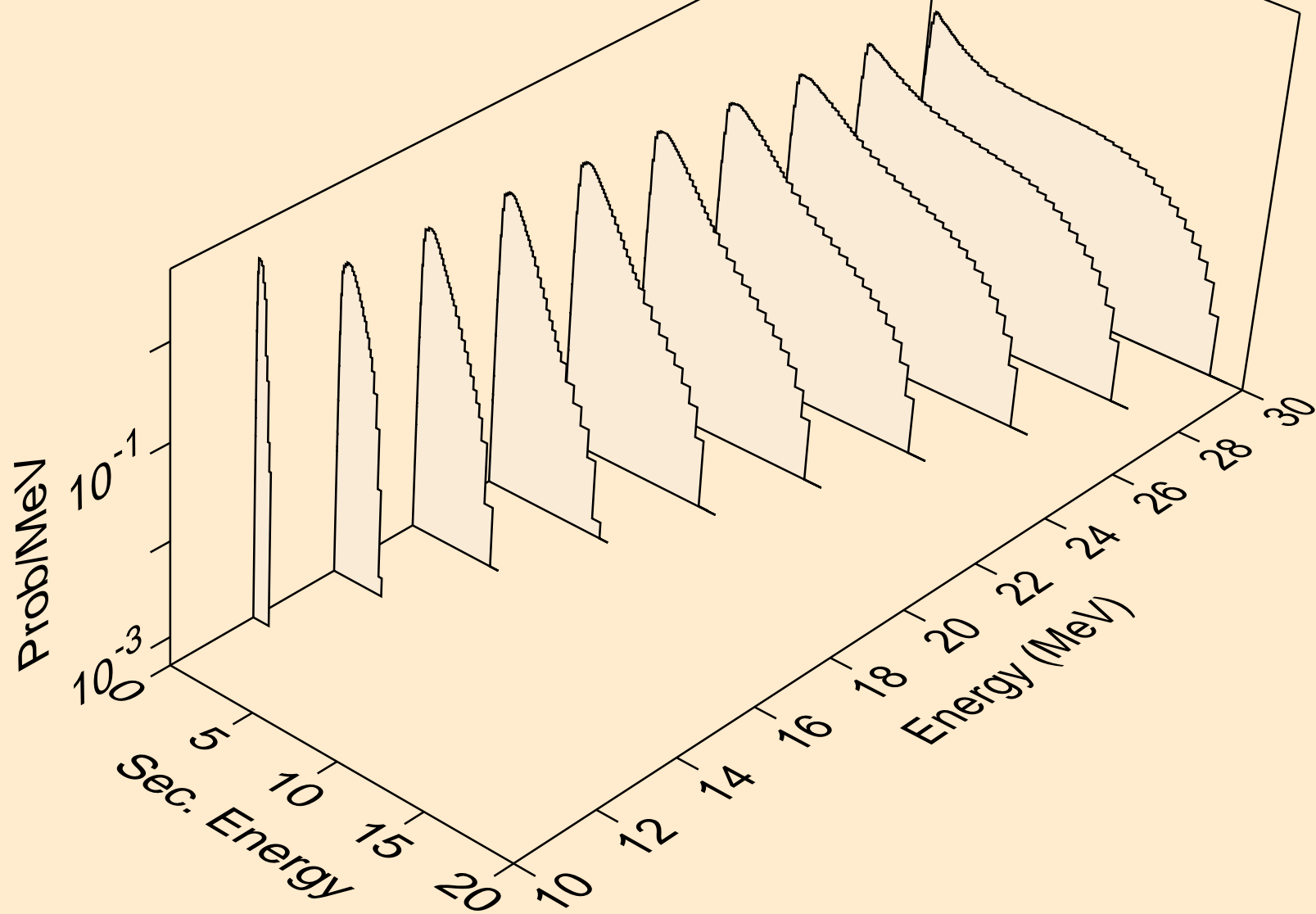
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Neutron emission for (n,x)



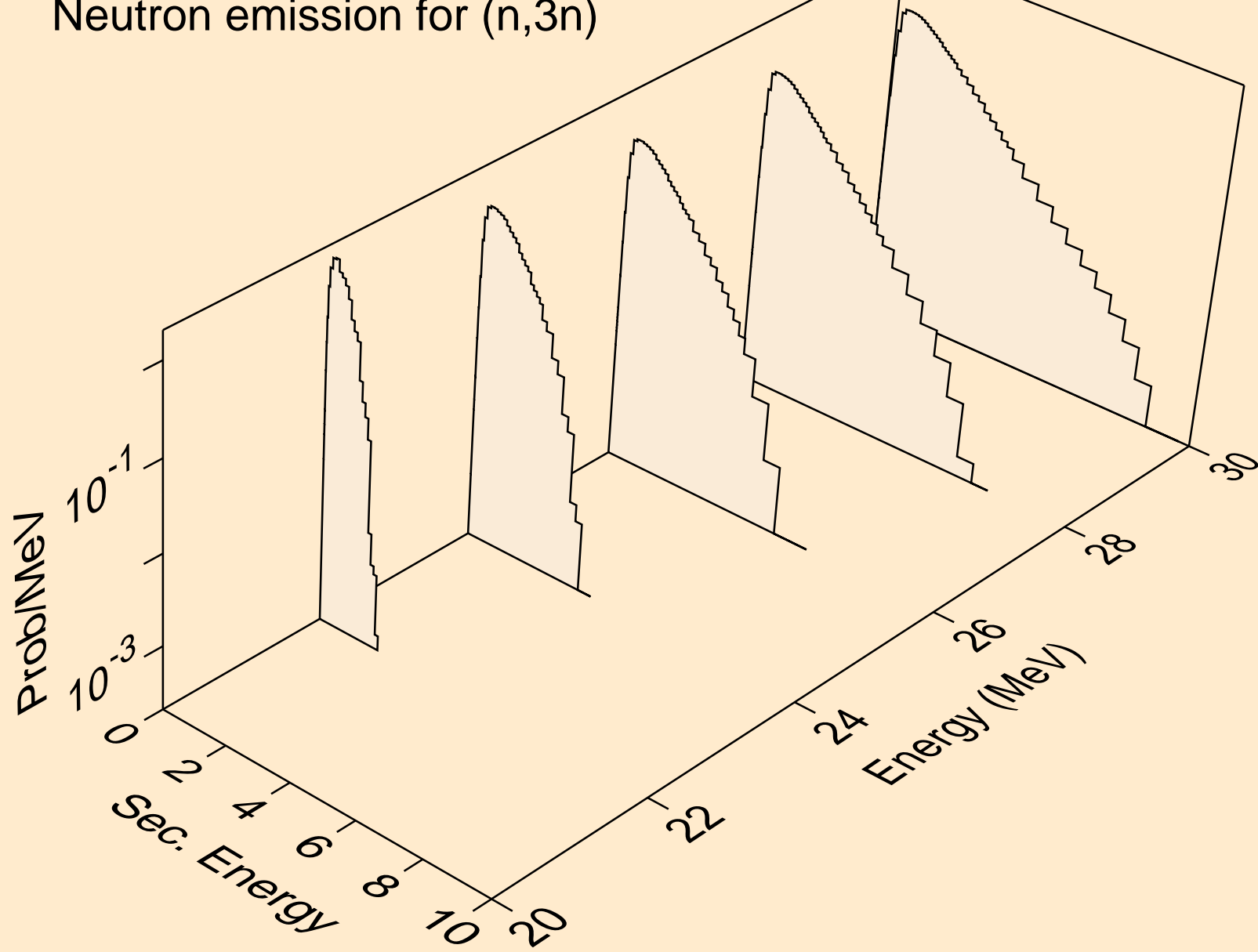
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Neutron emission for (n,2nd)



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Neutron emission for (n,2n)

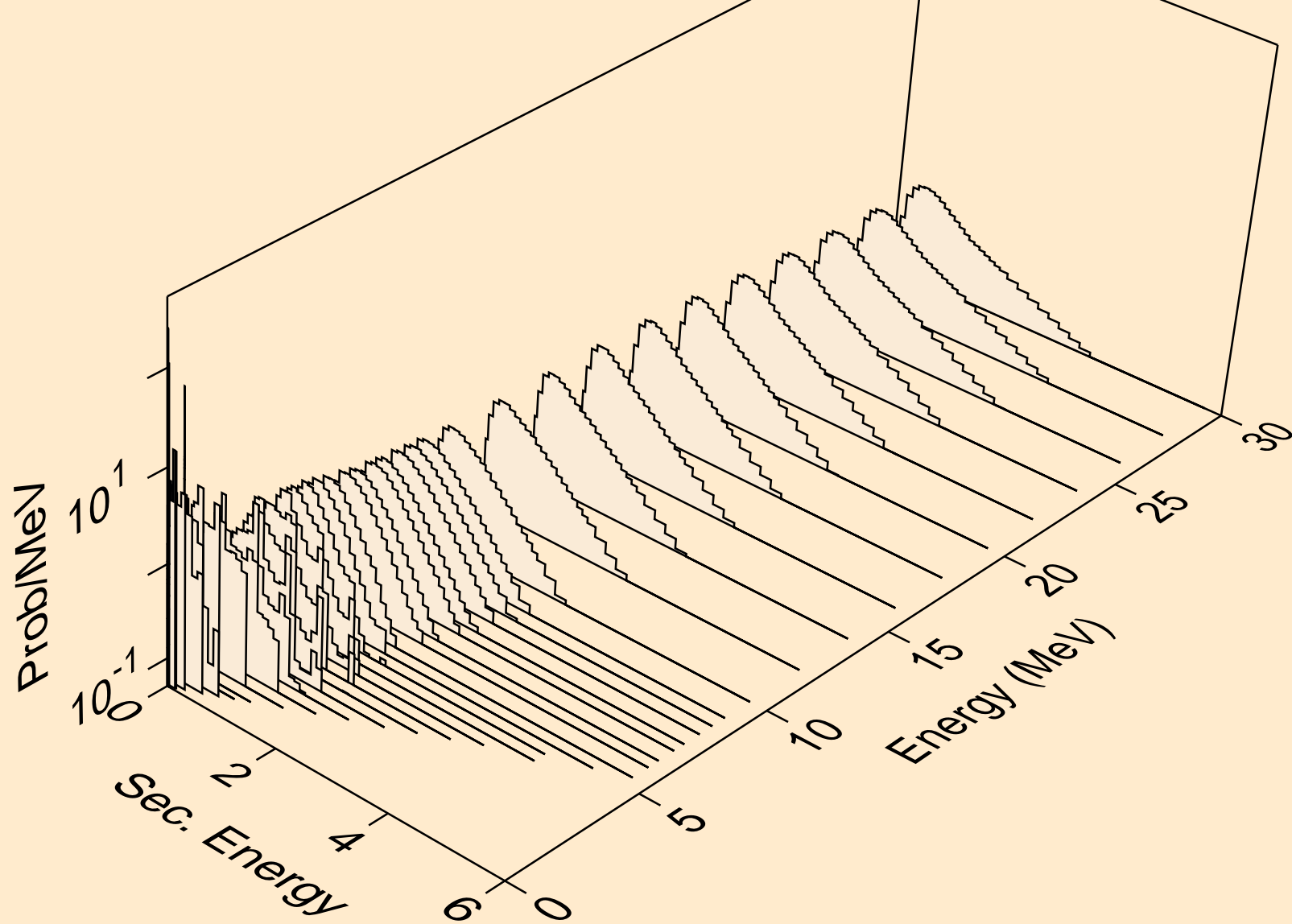


AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)

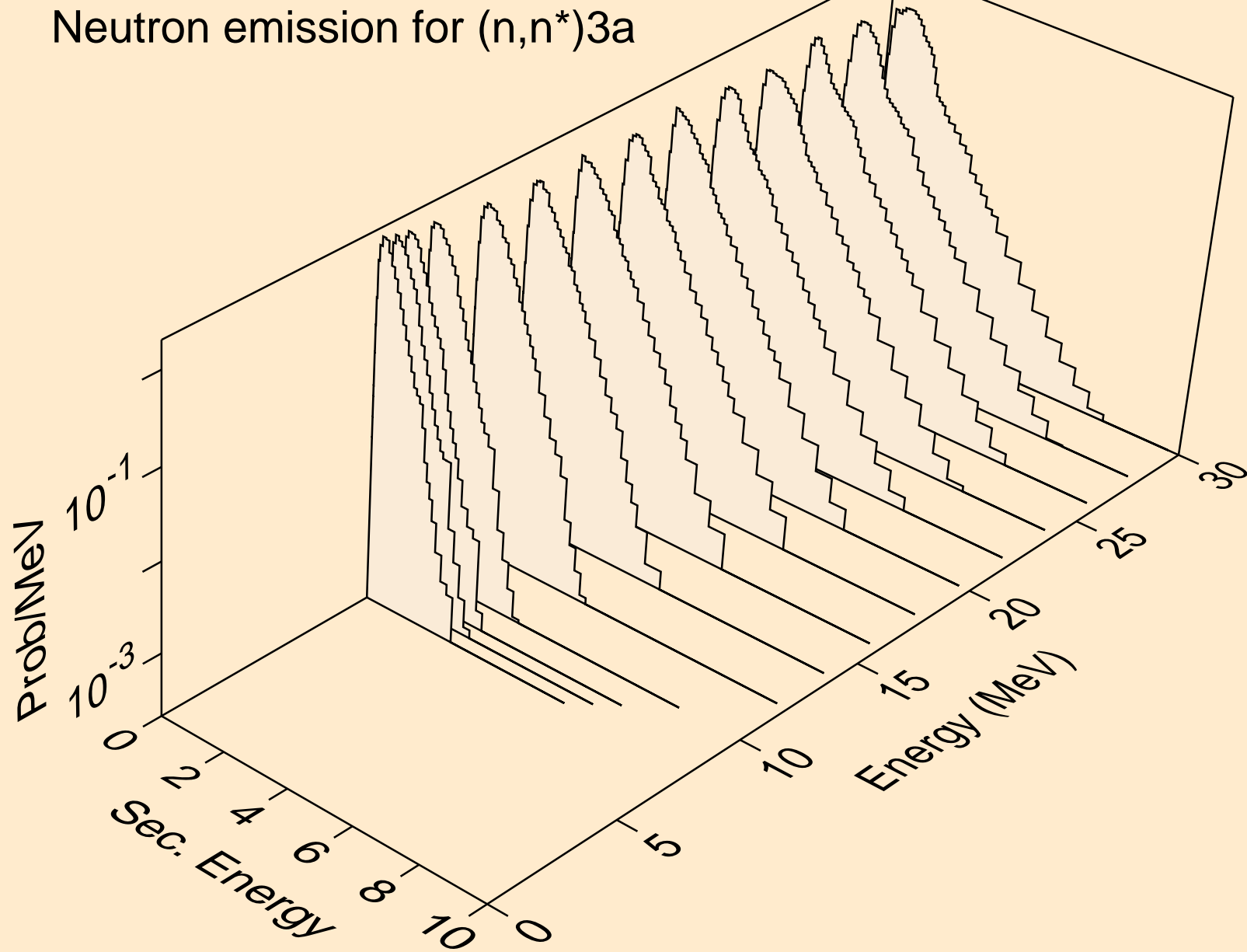




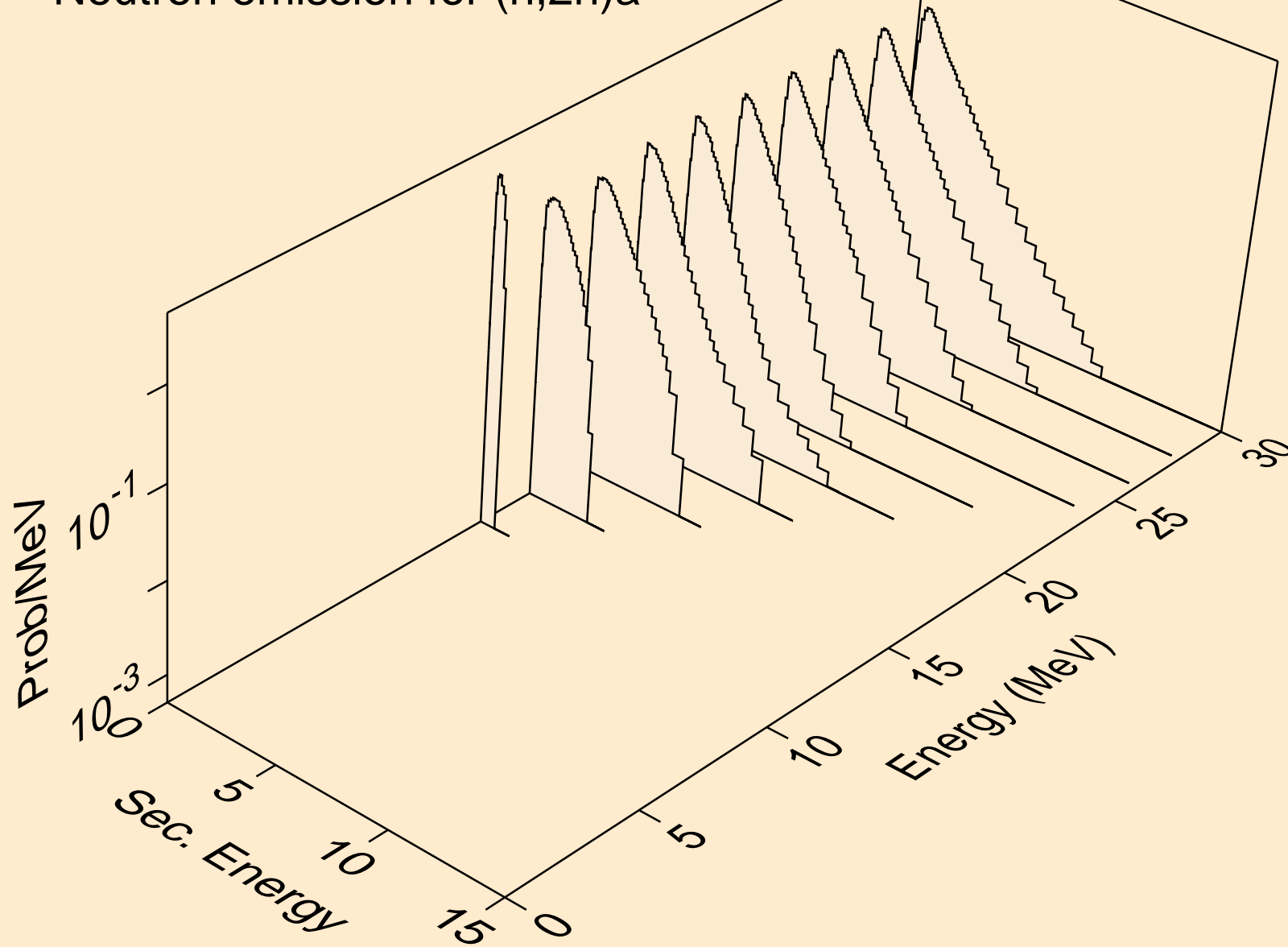
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



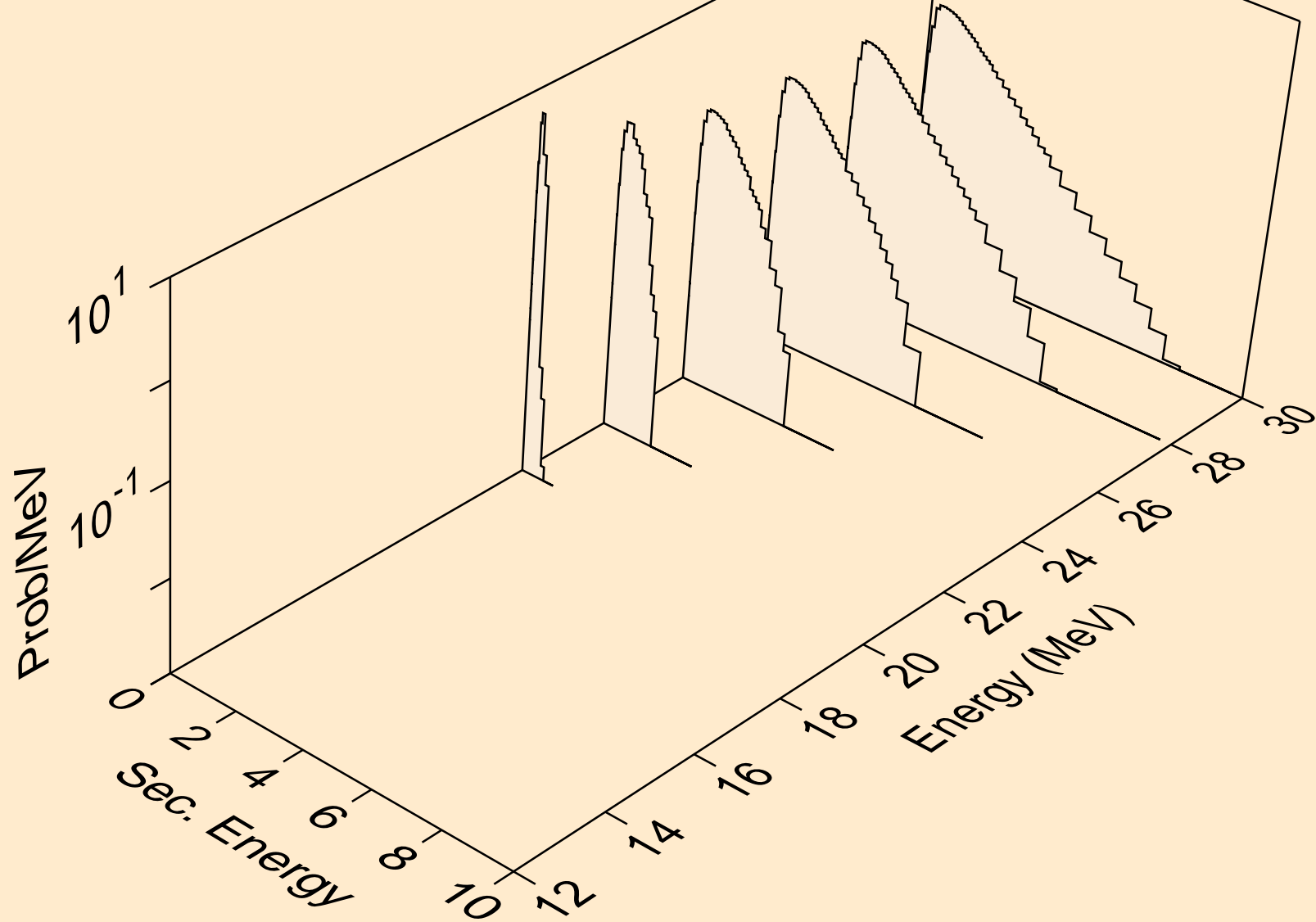
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)3a



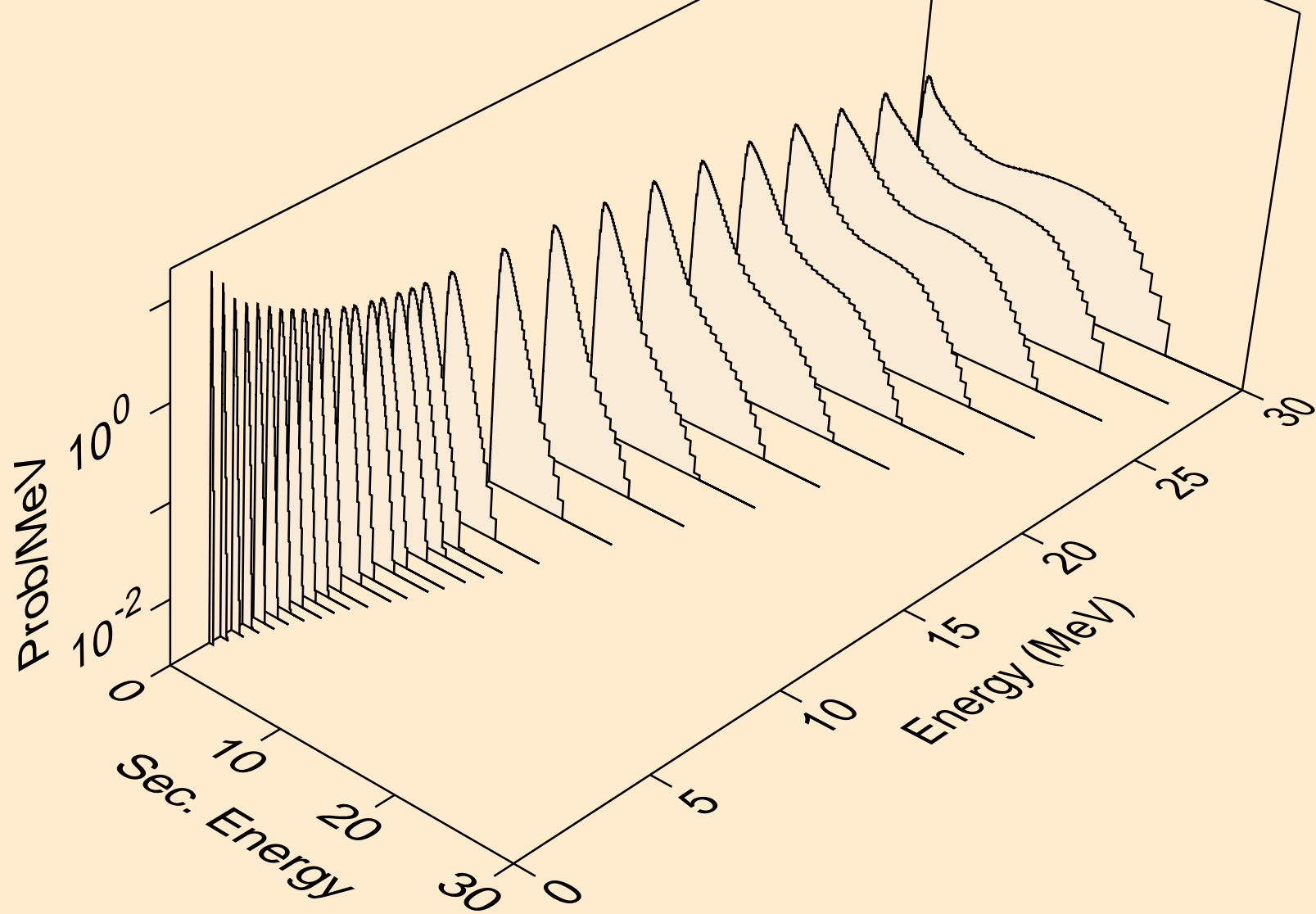
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a



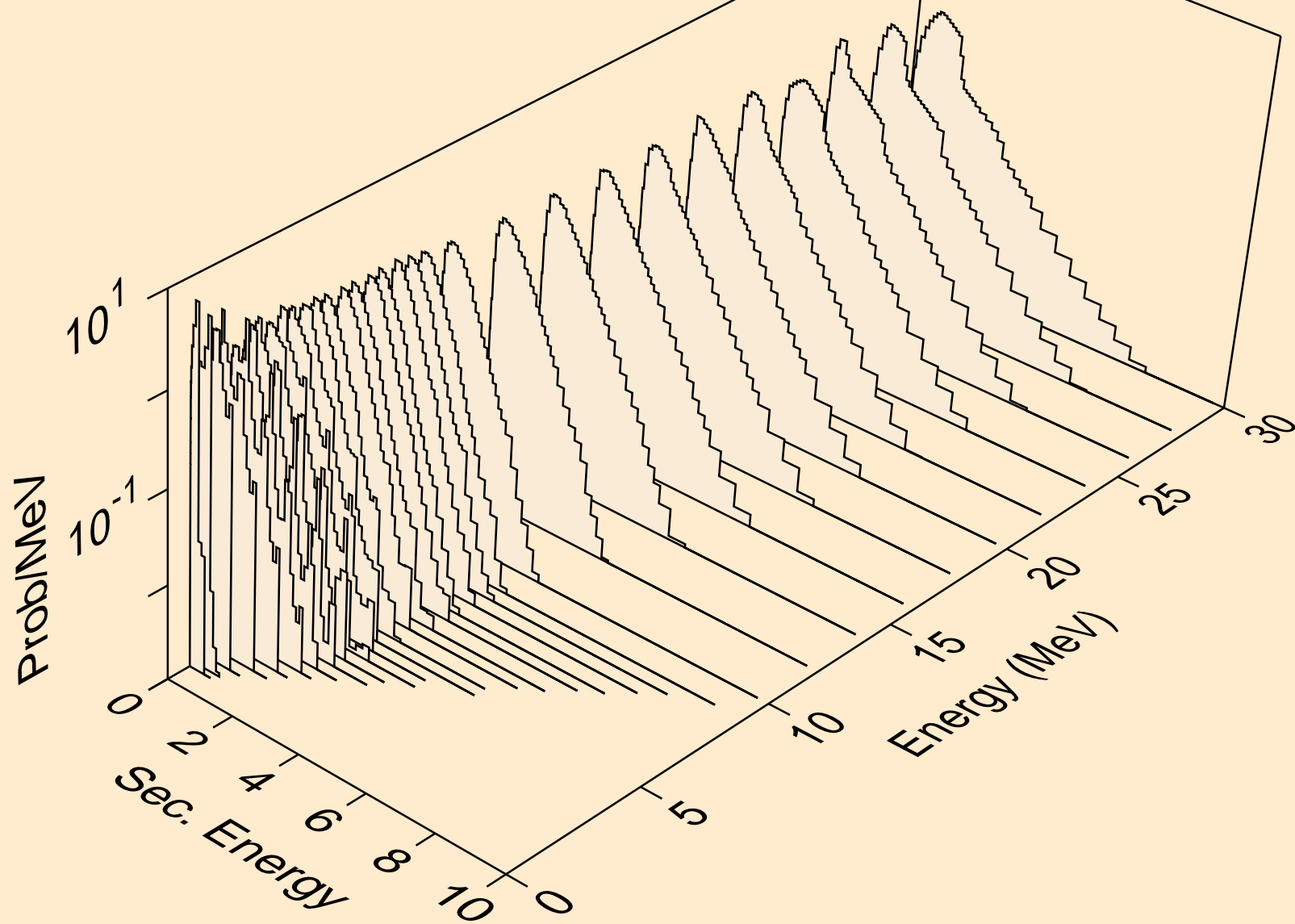
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



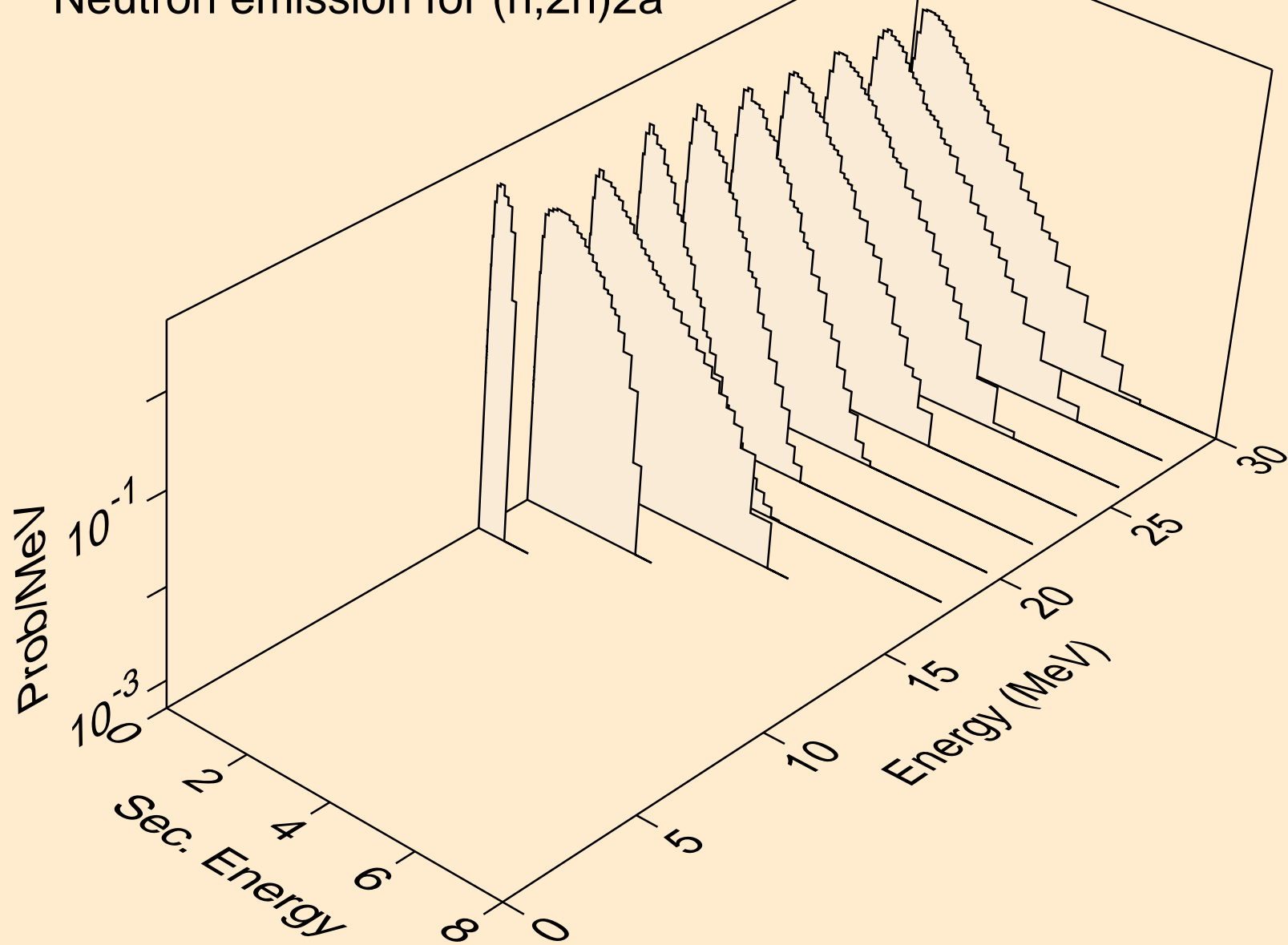
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



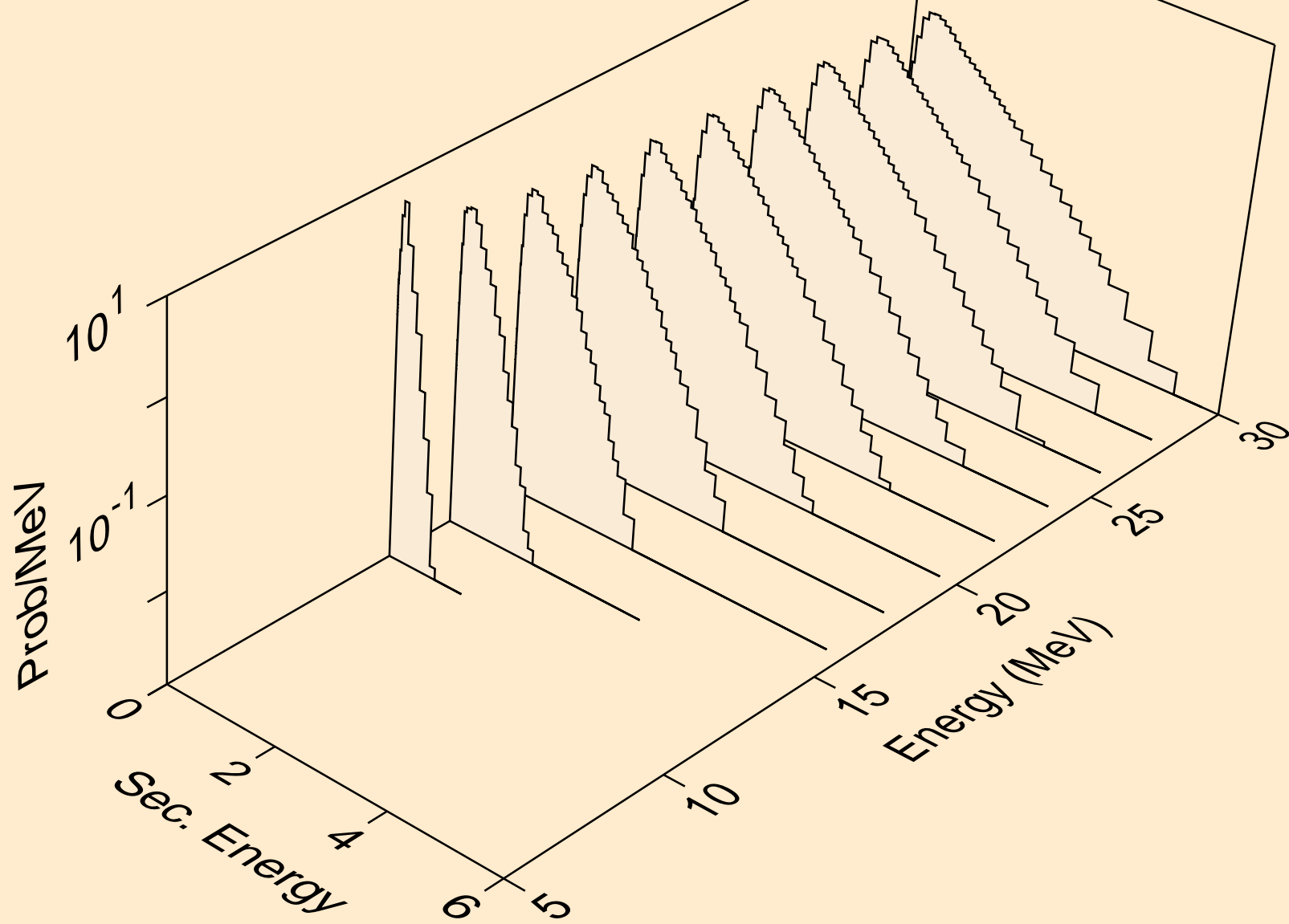
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a



AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)2a

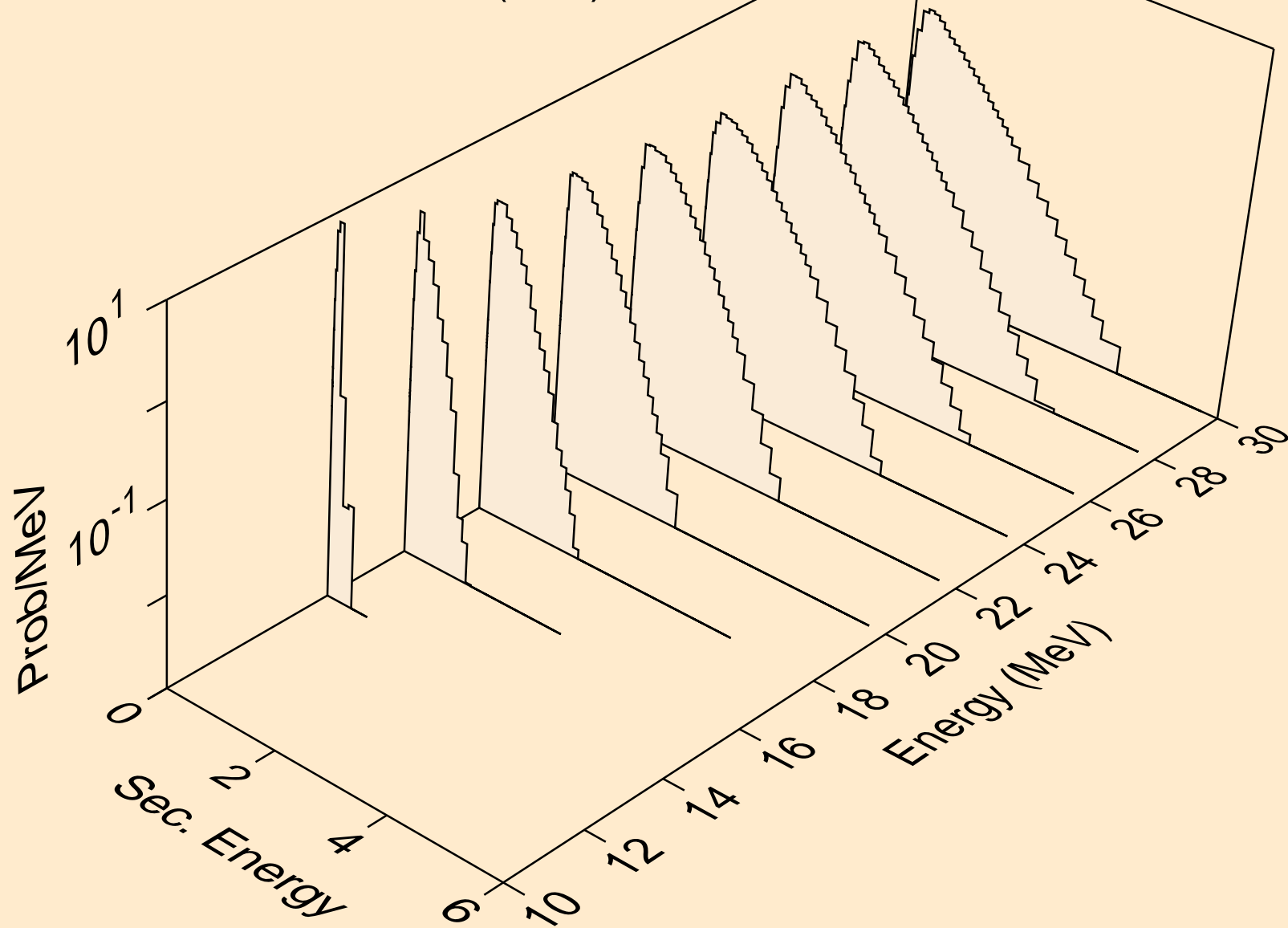


AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d

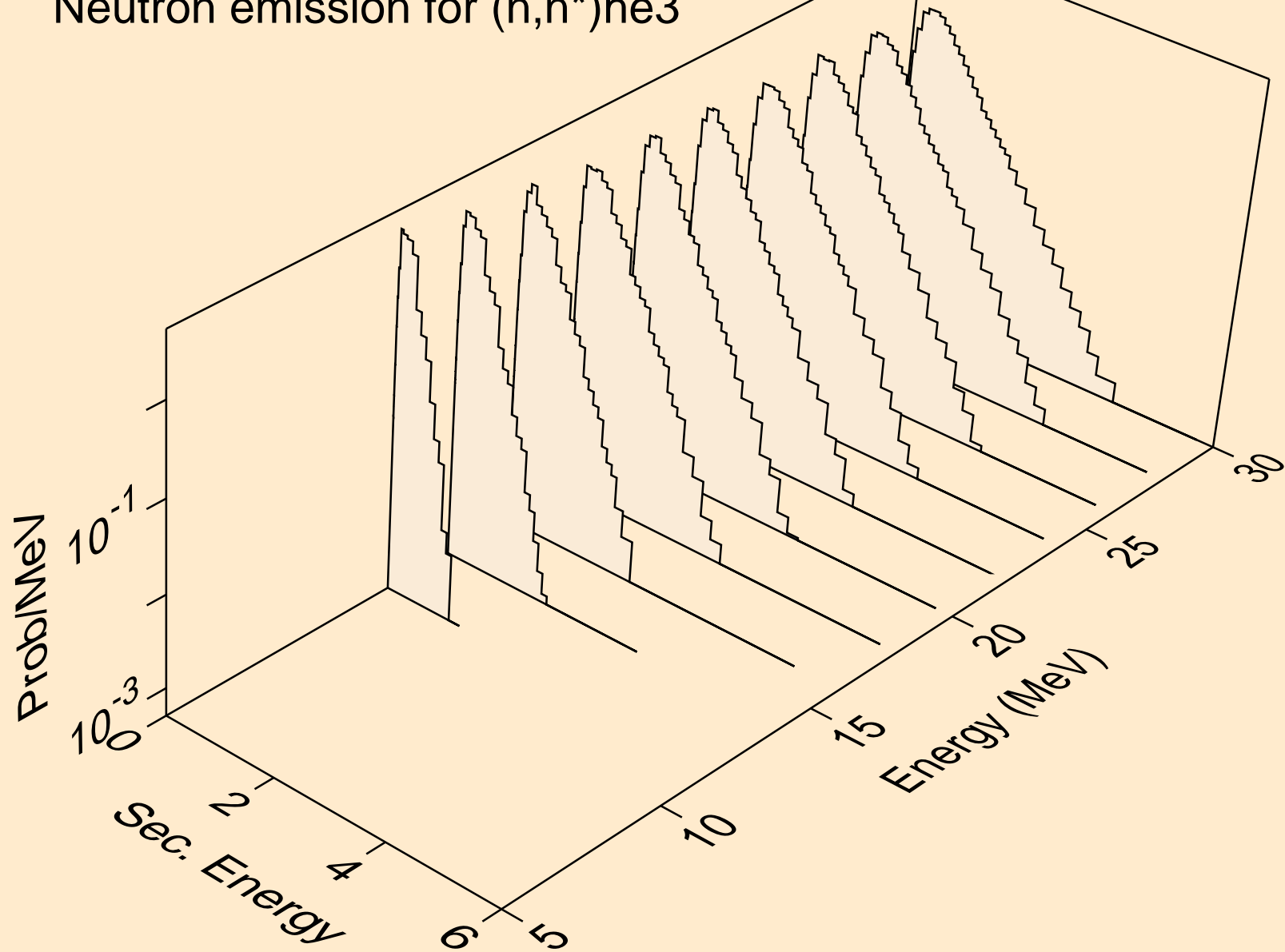




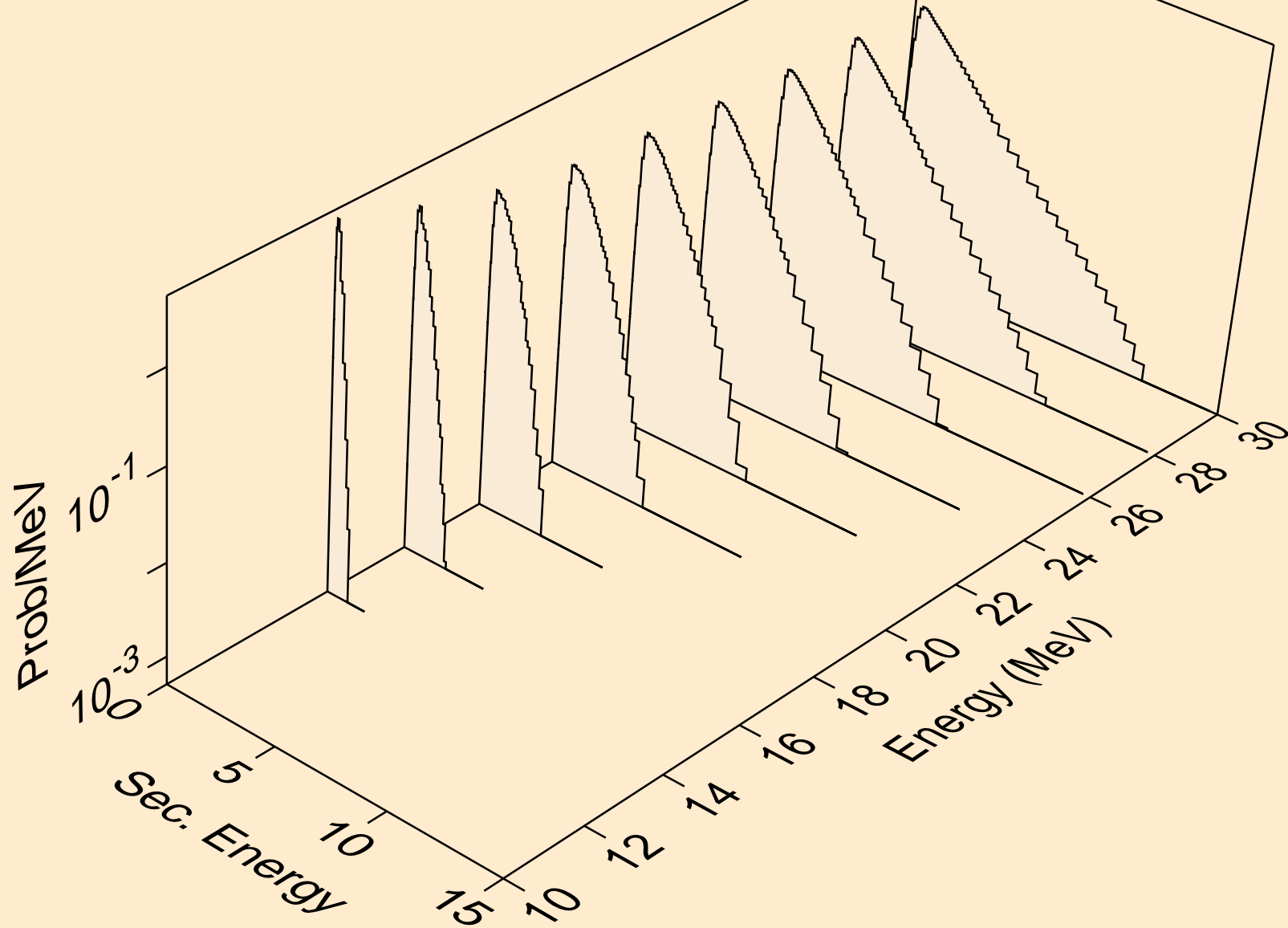
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Neutron emission for (n,n\*)t



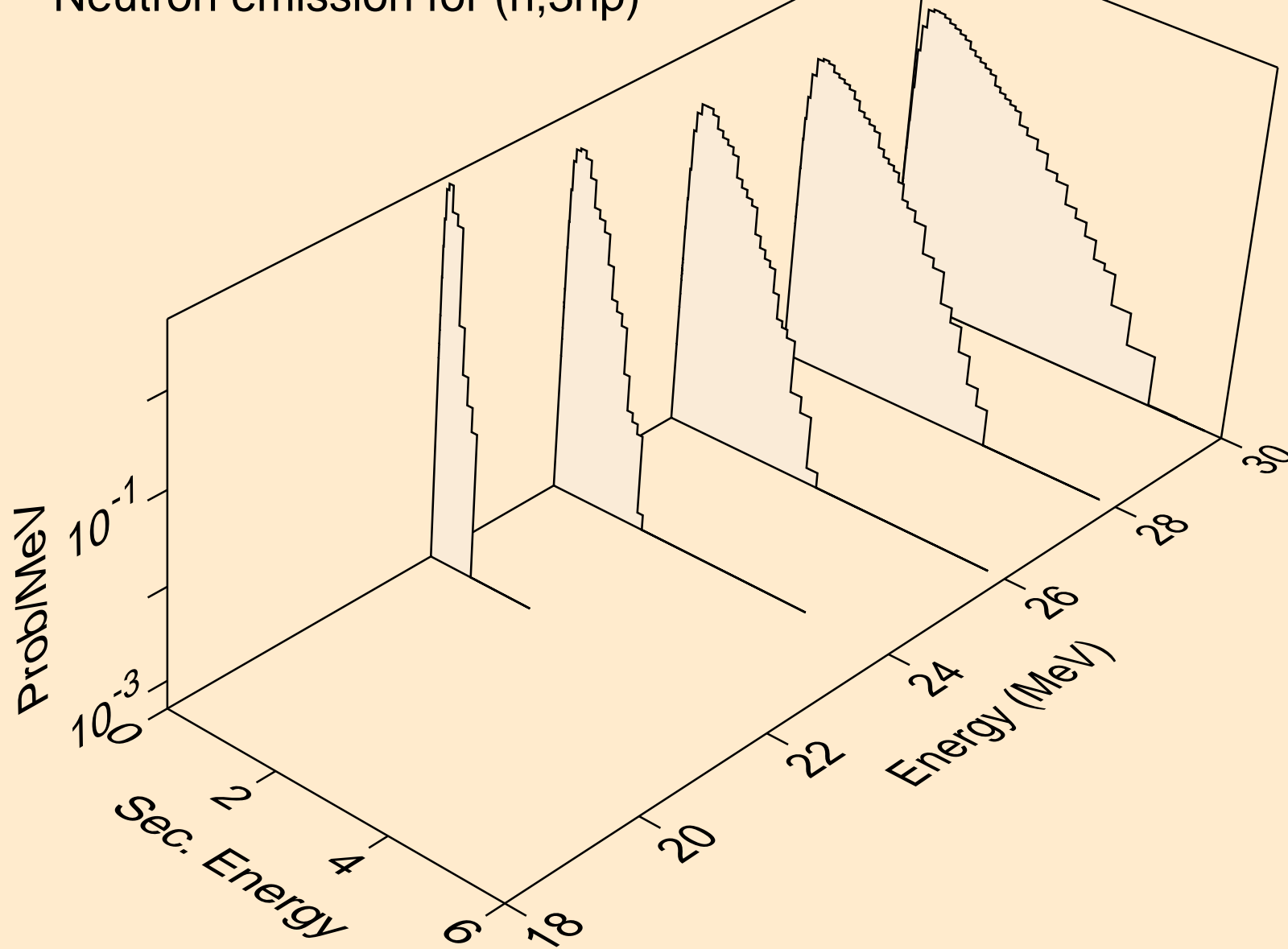
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



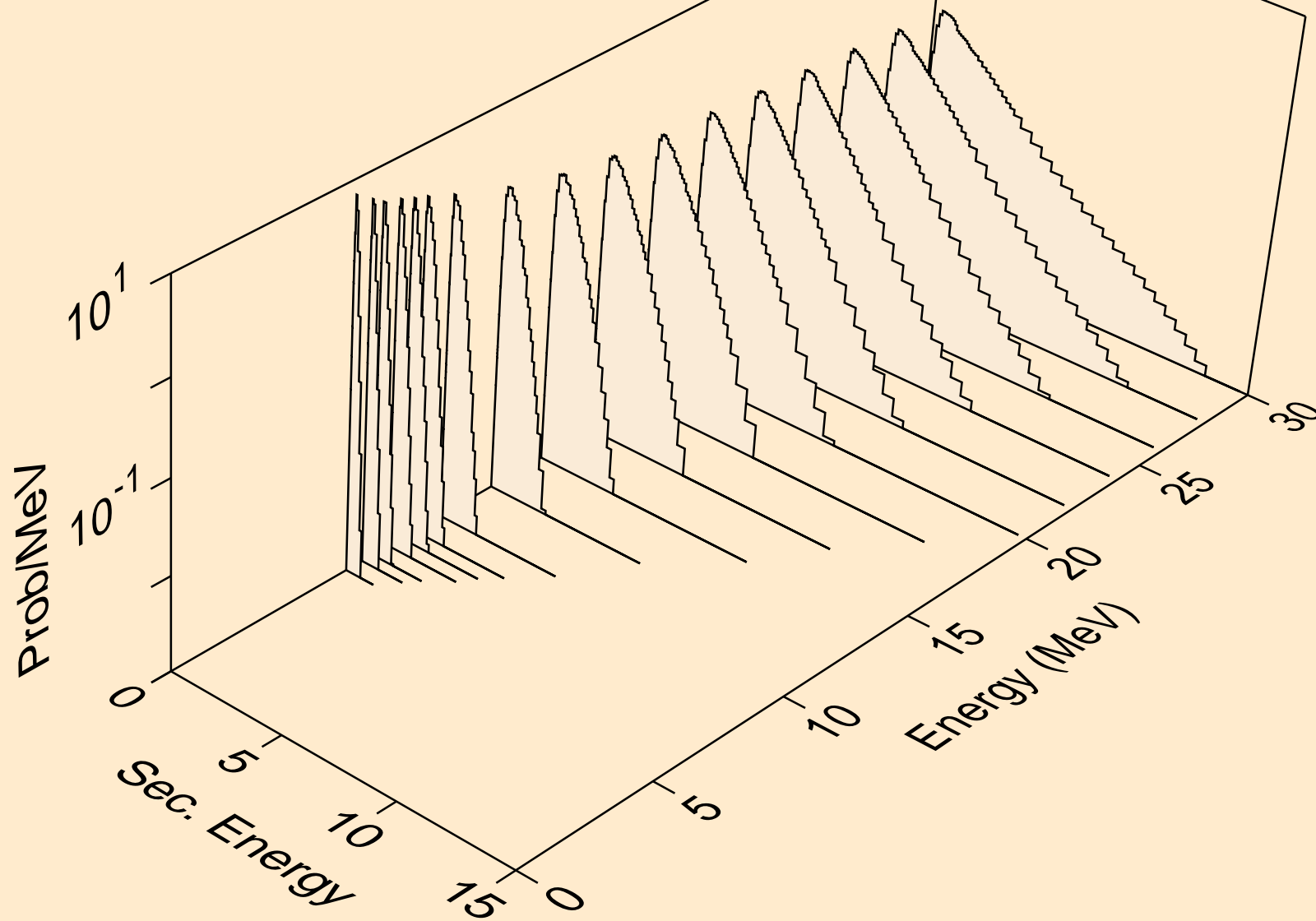
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



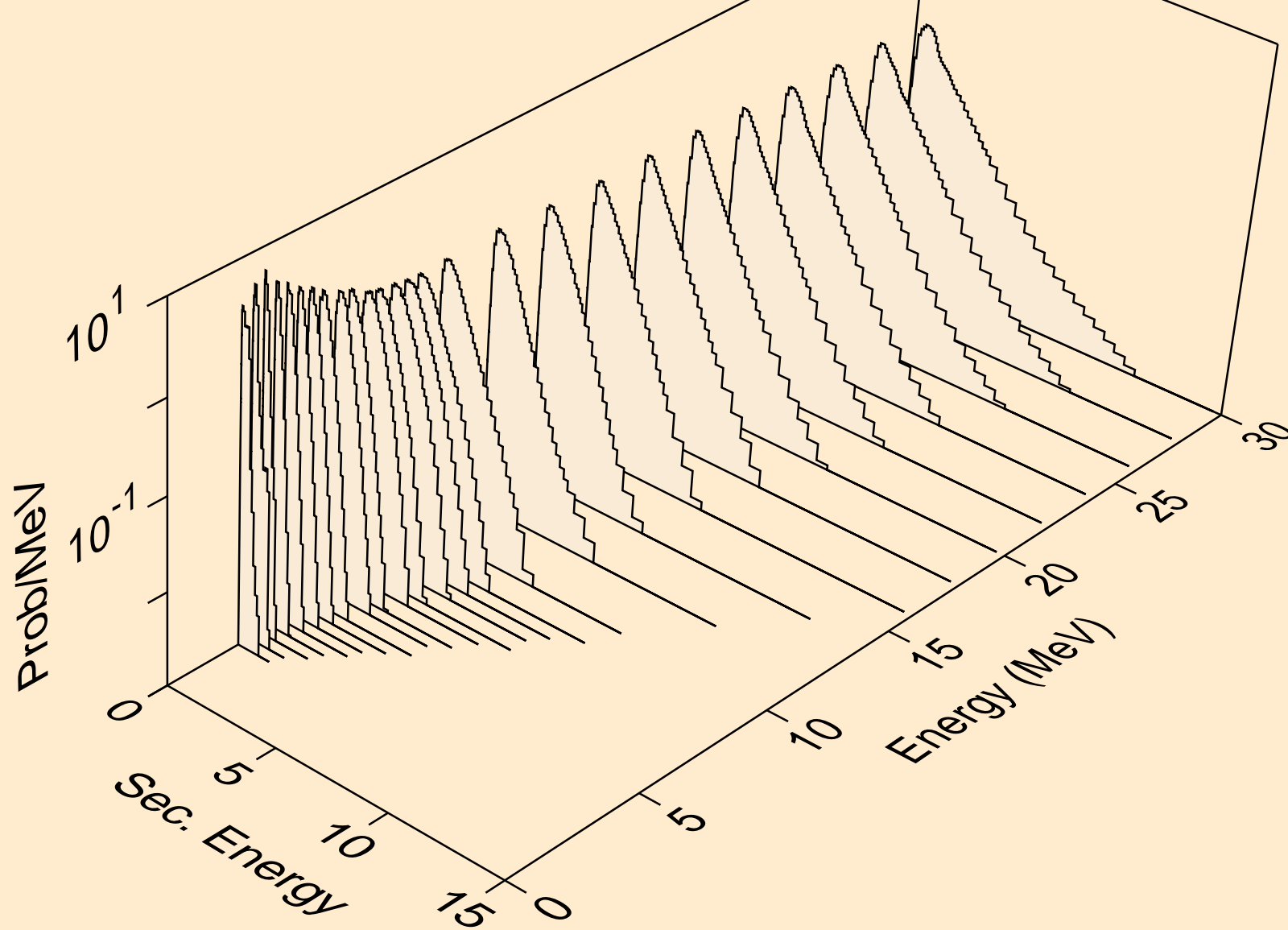
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



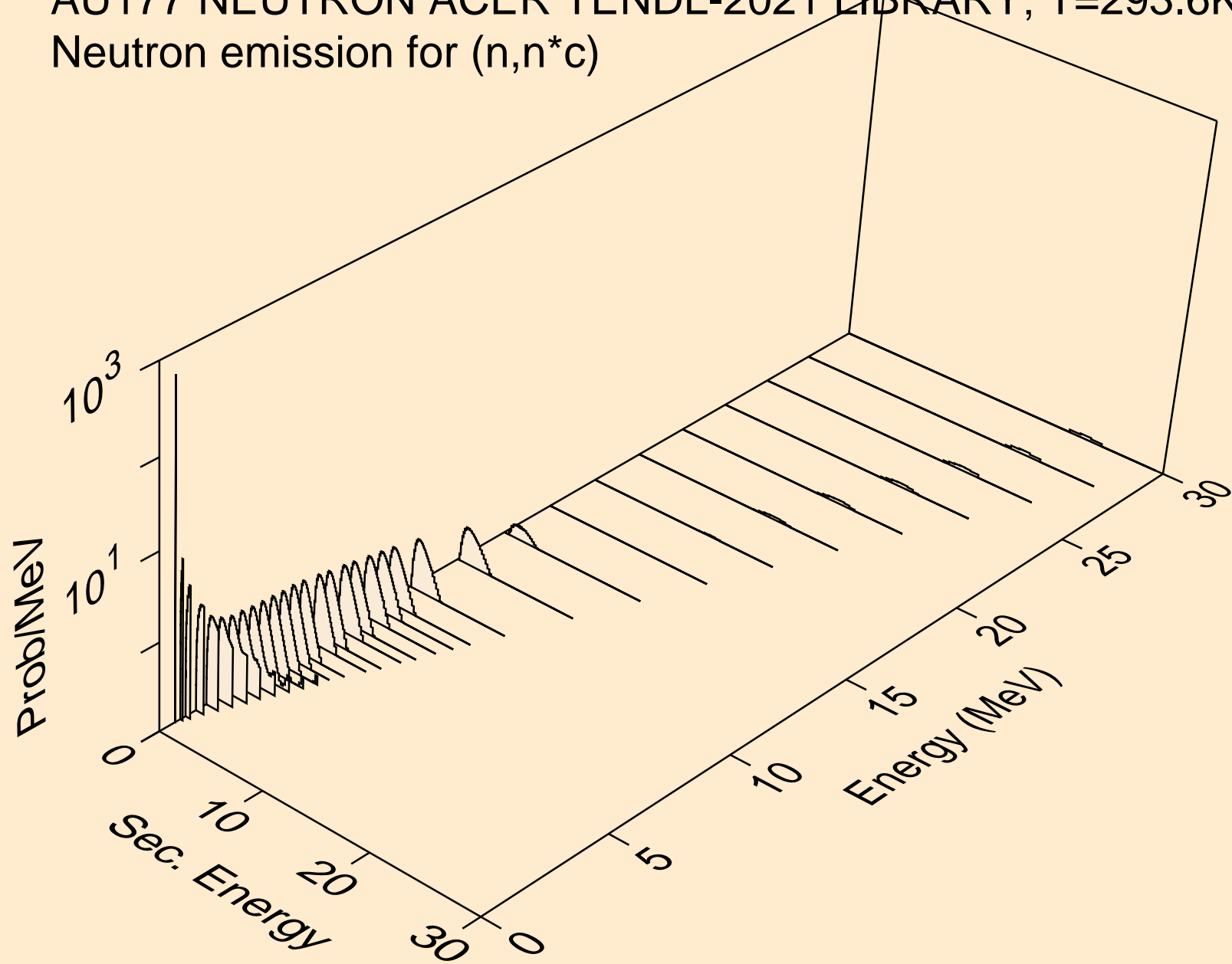
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



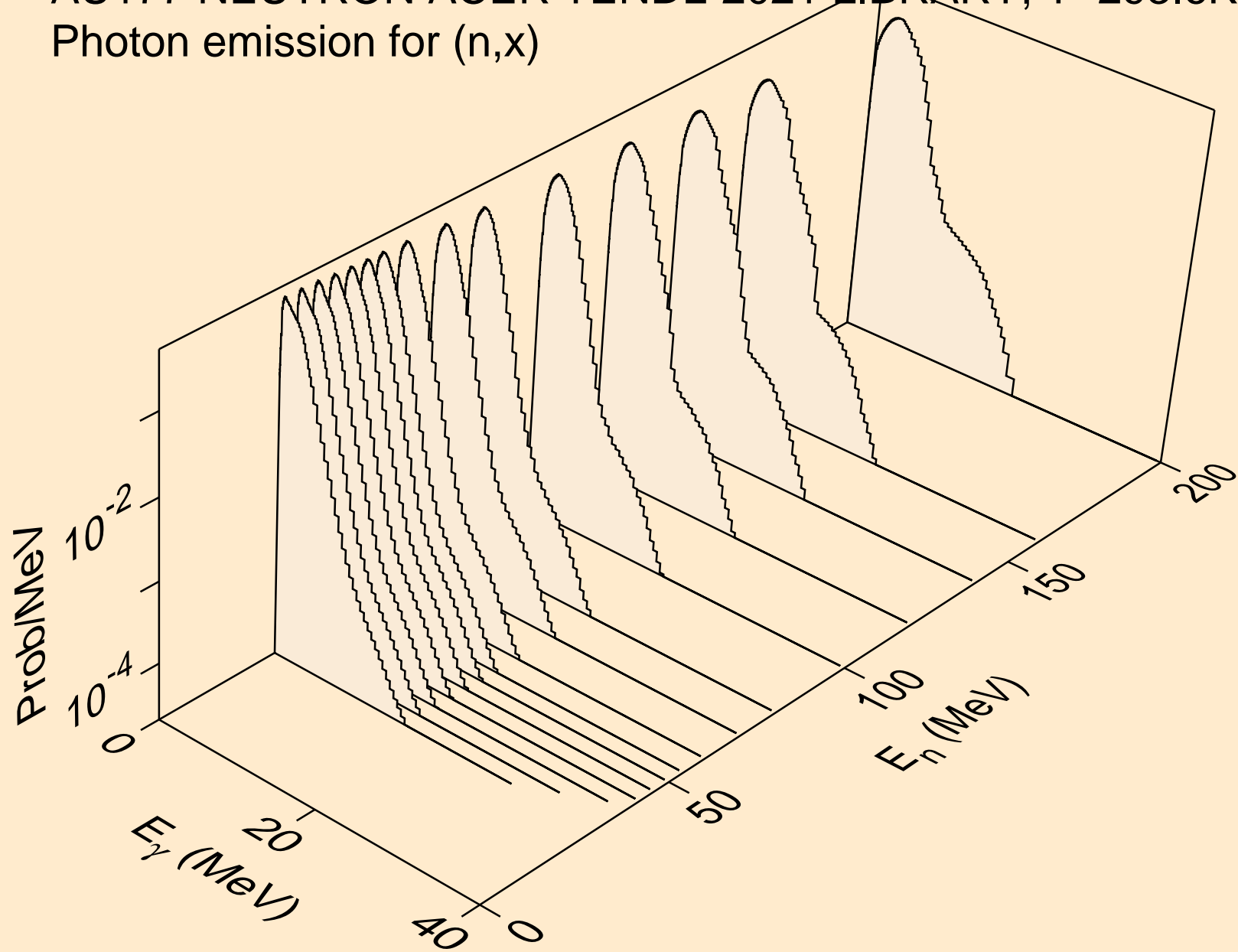
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)

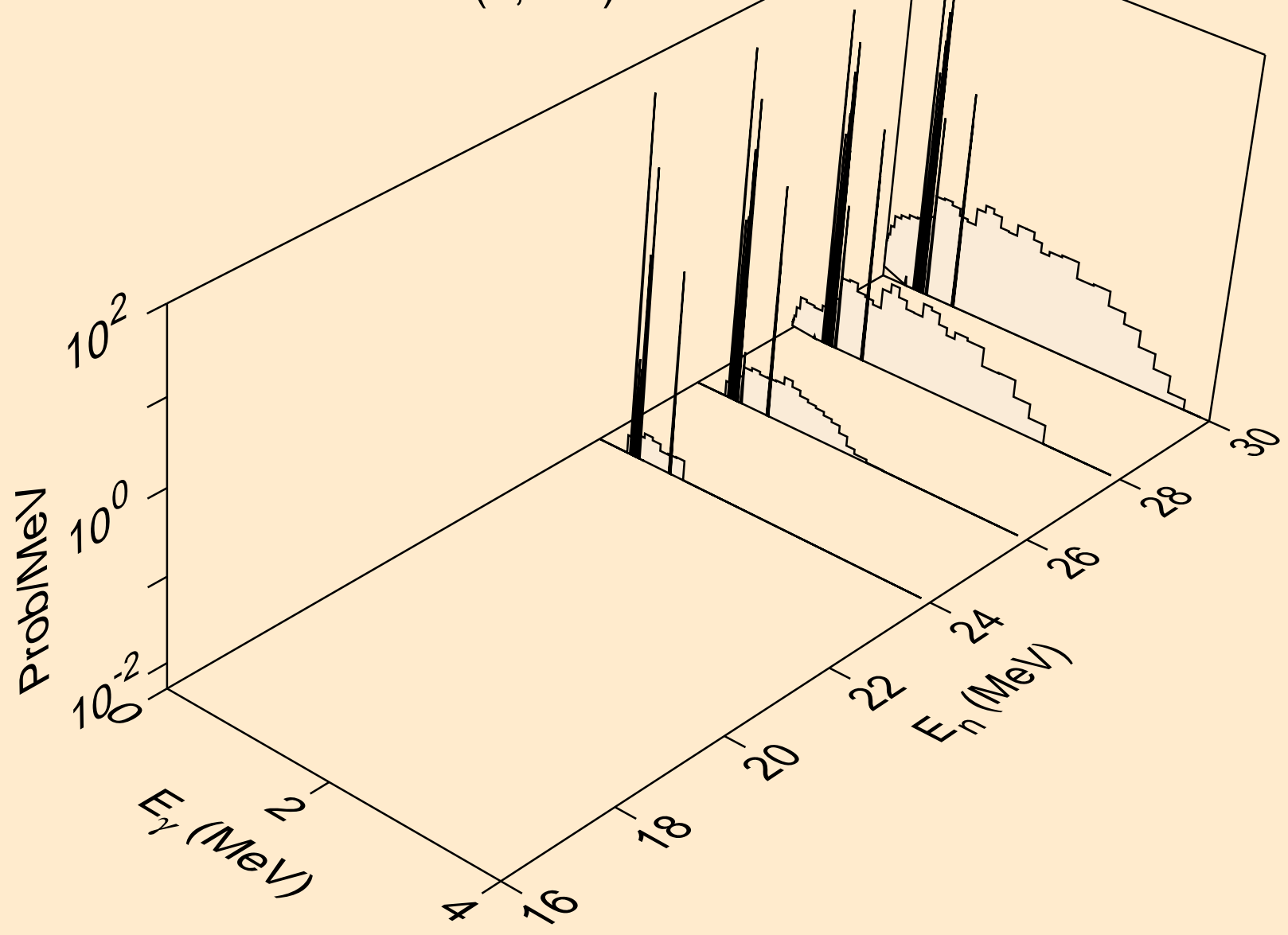


AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)

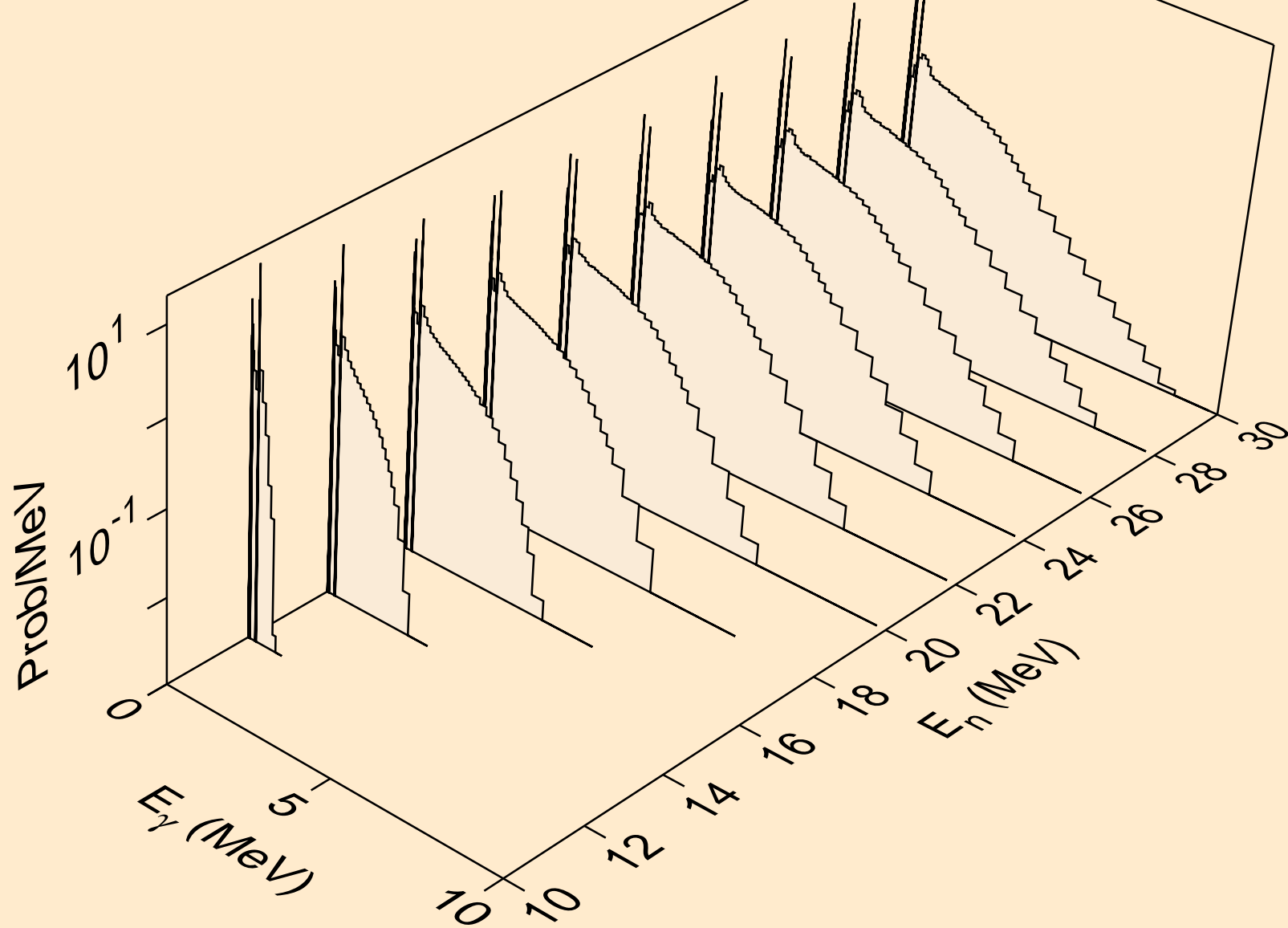




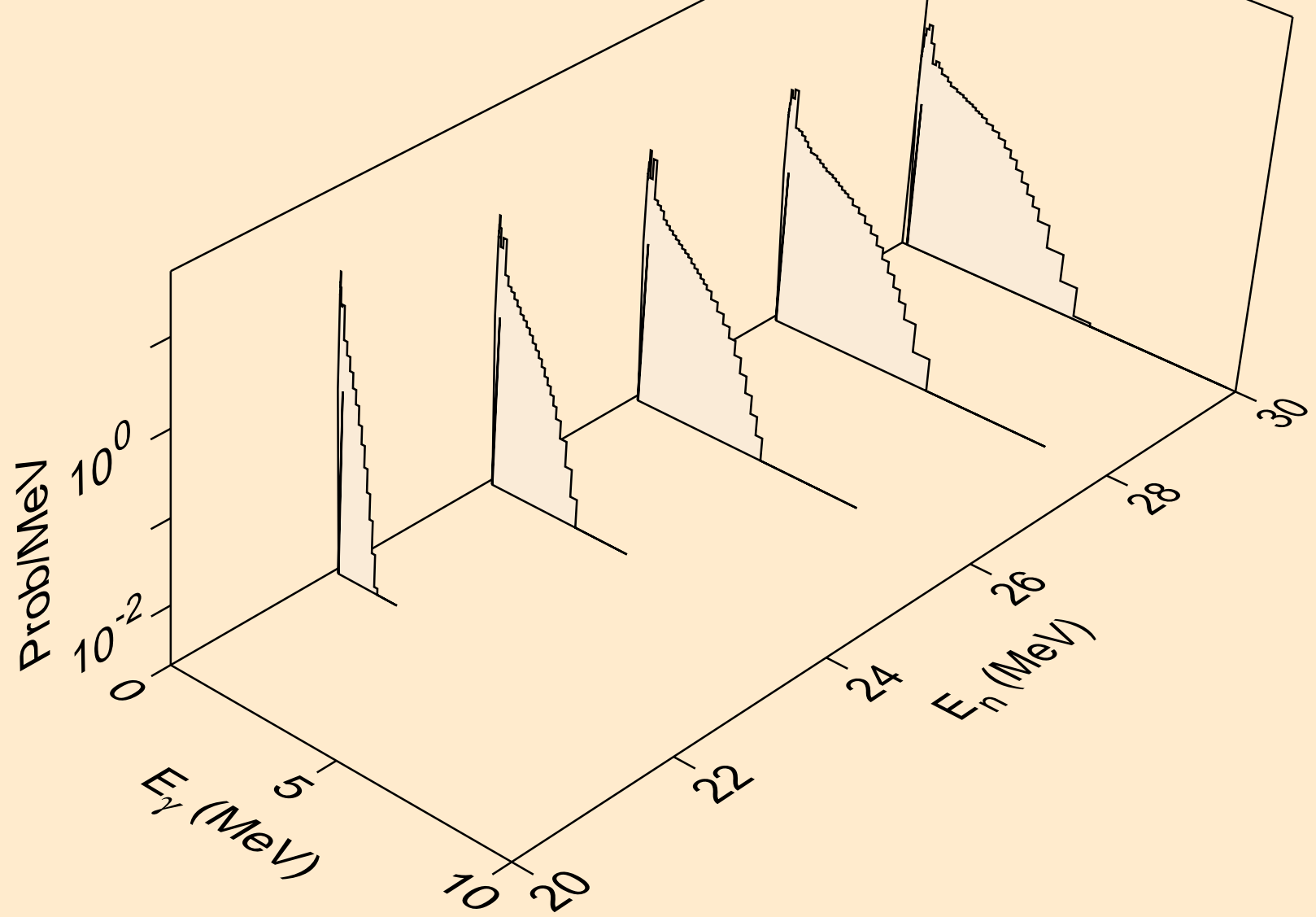
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2nd)



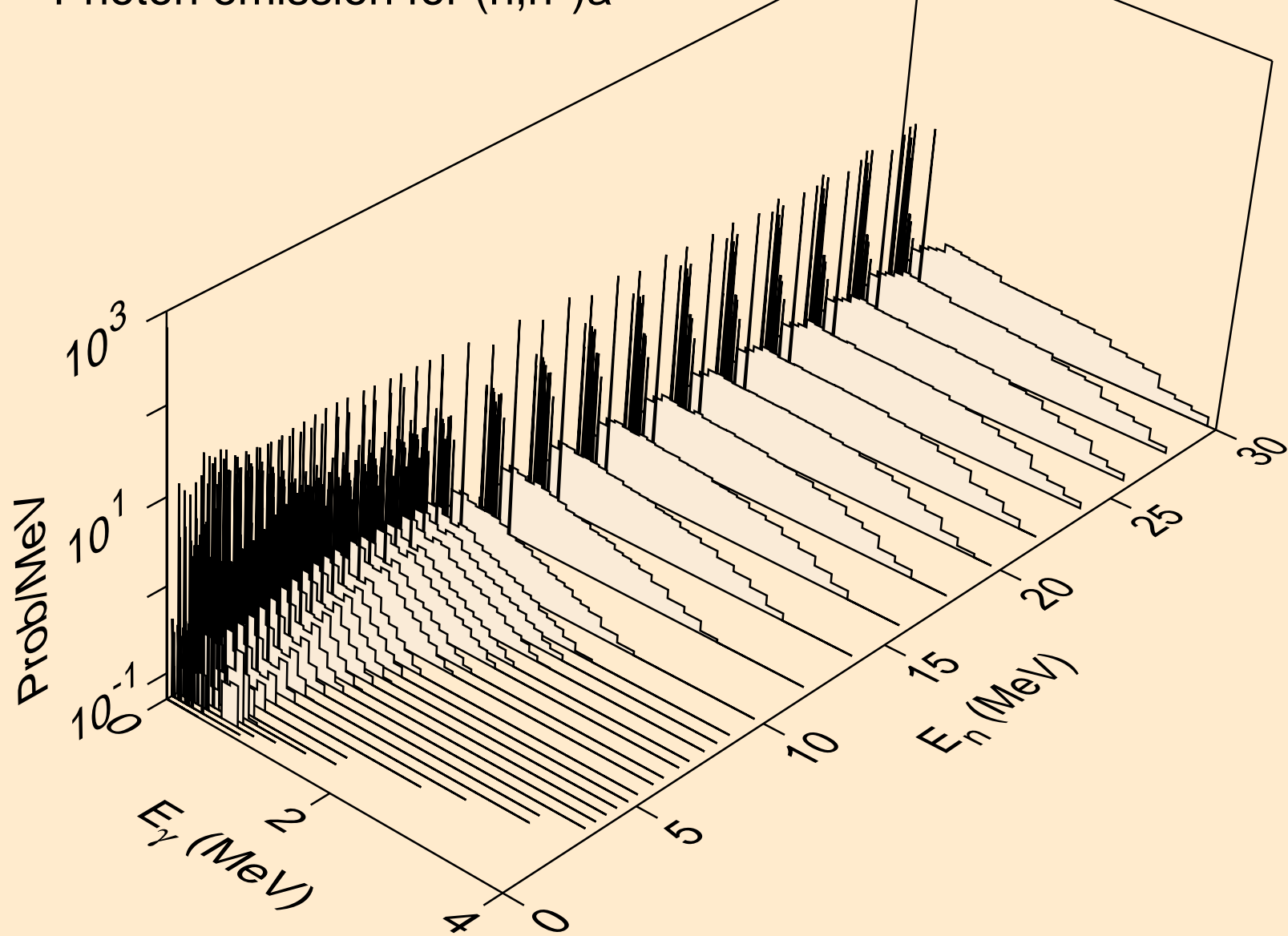
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Photon emission for (n,2n)



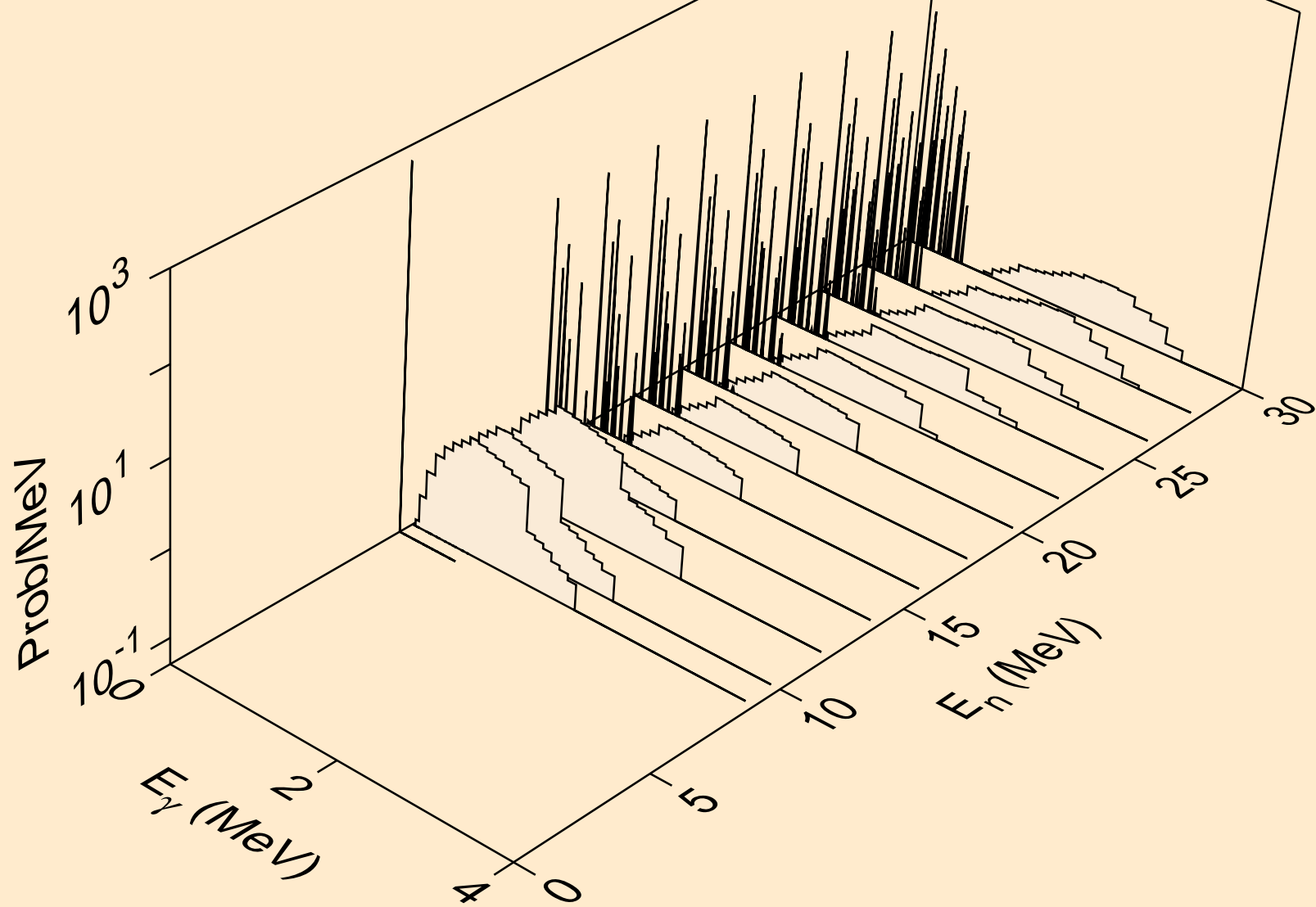
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Photon emission for (n,3n)



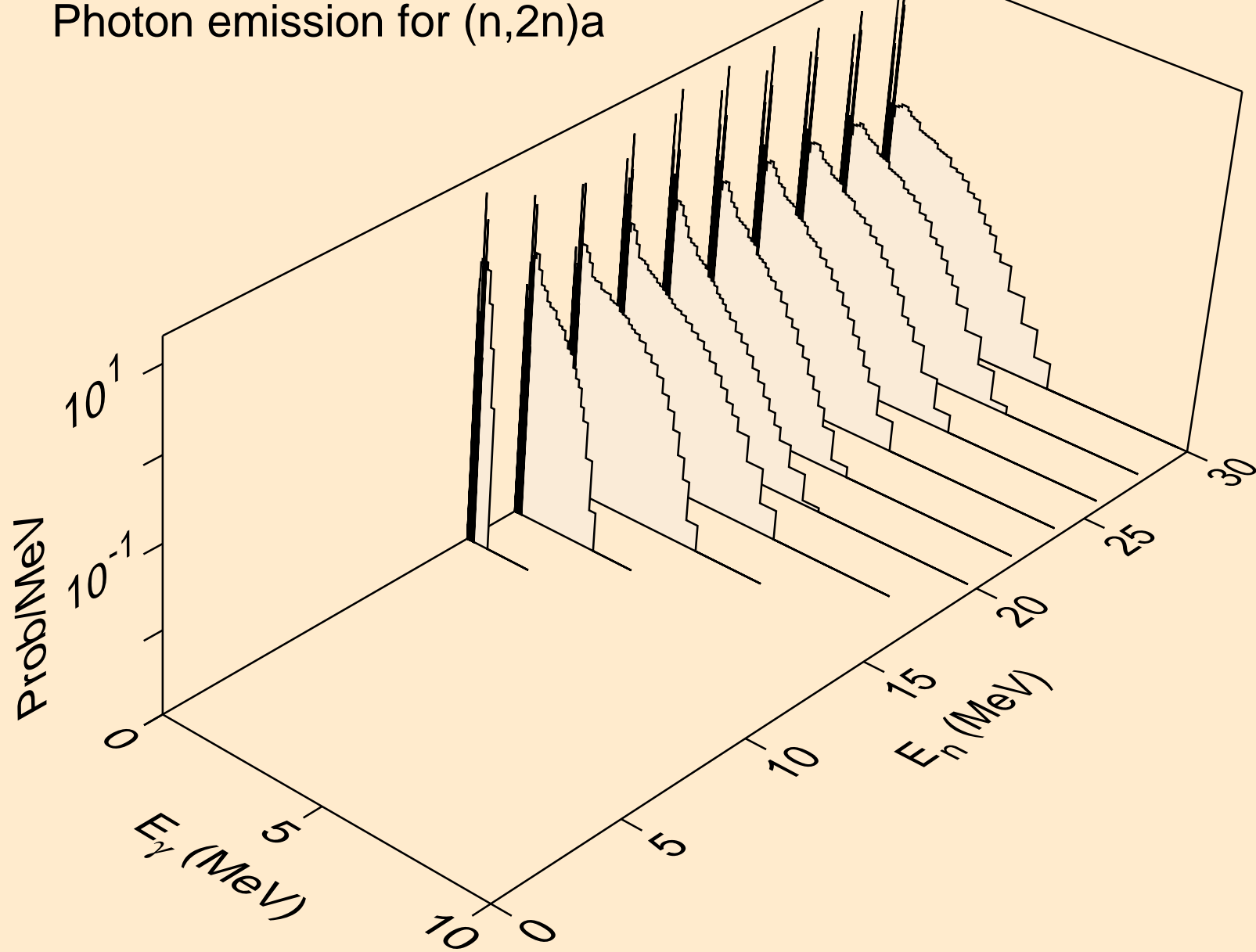
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



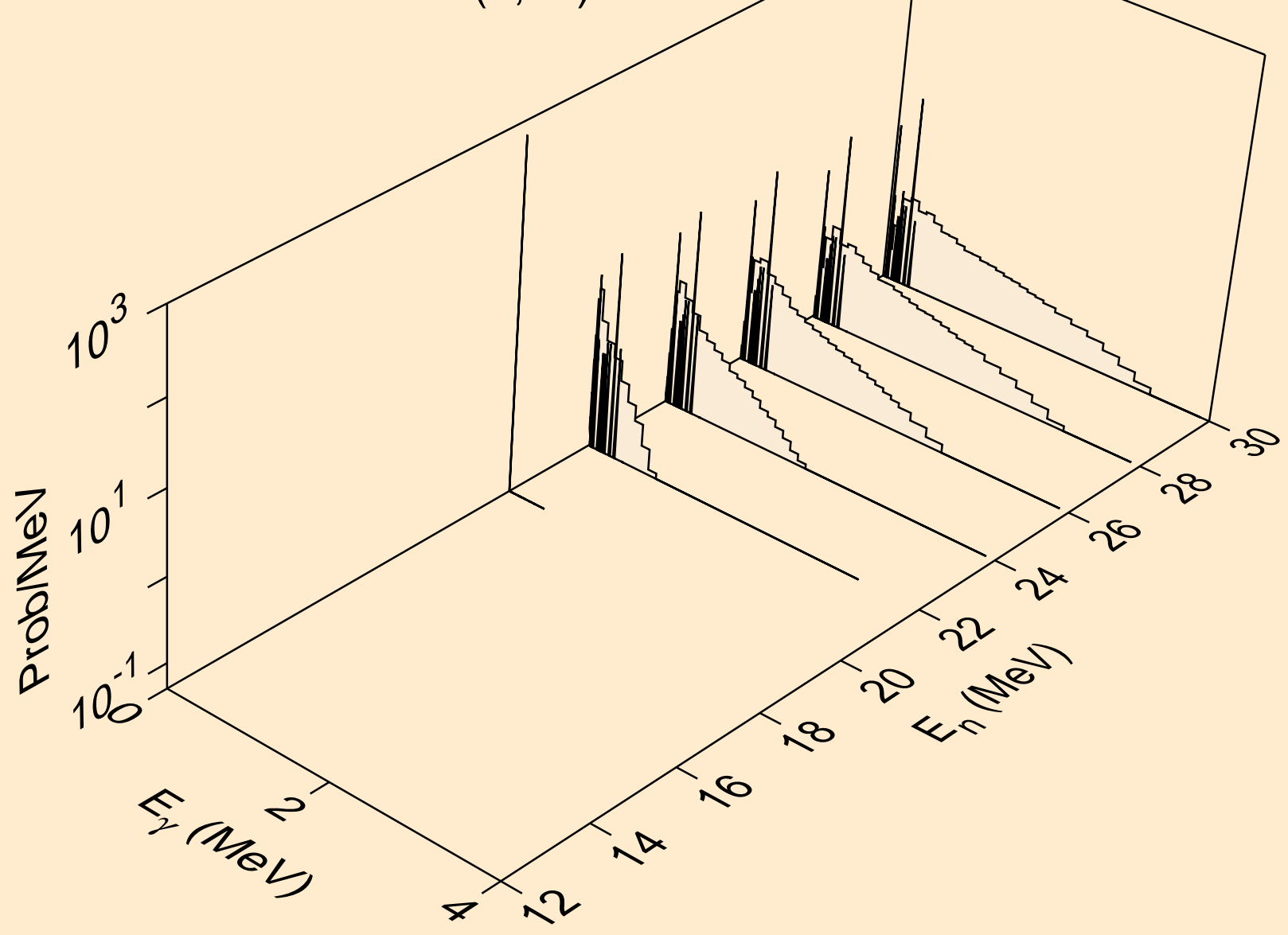
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)3a



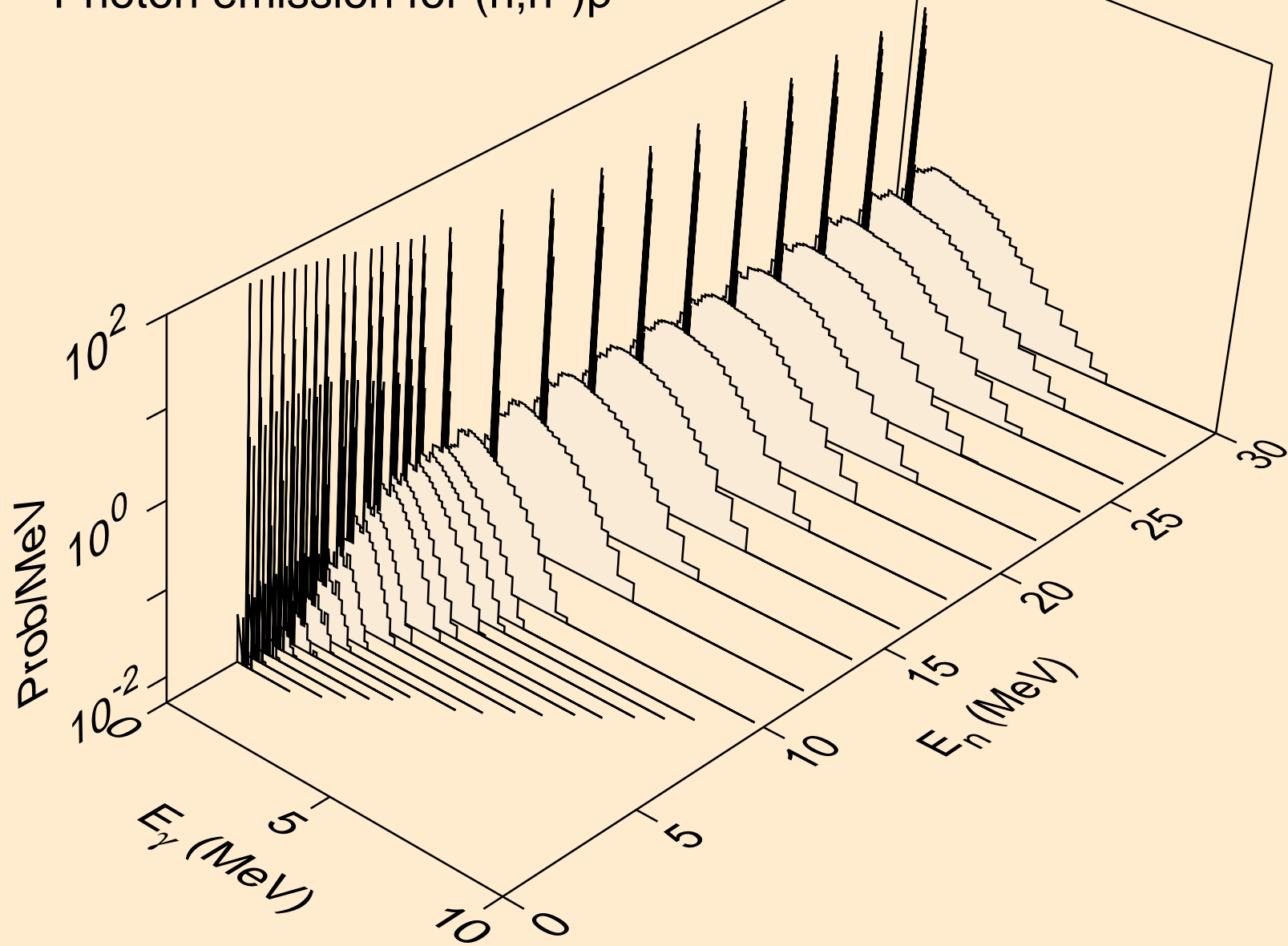
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n) $\alpha$



AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)a

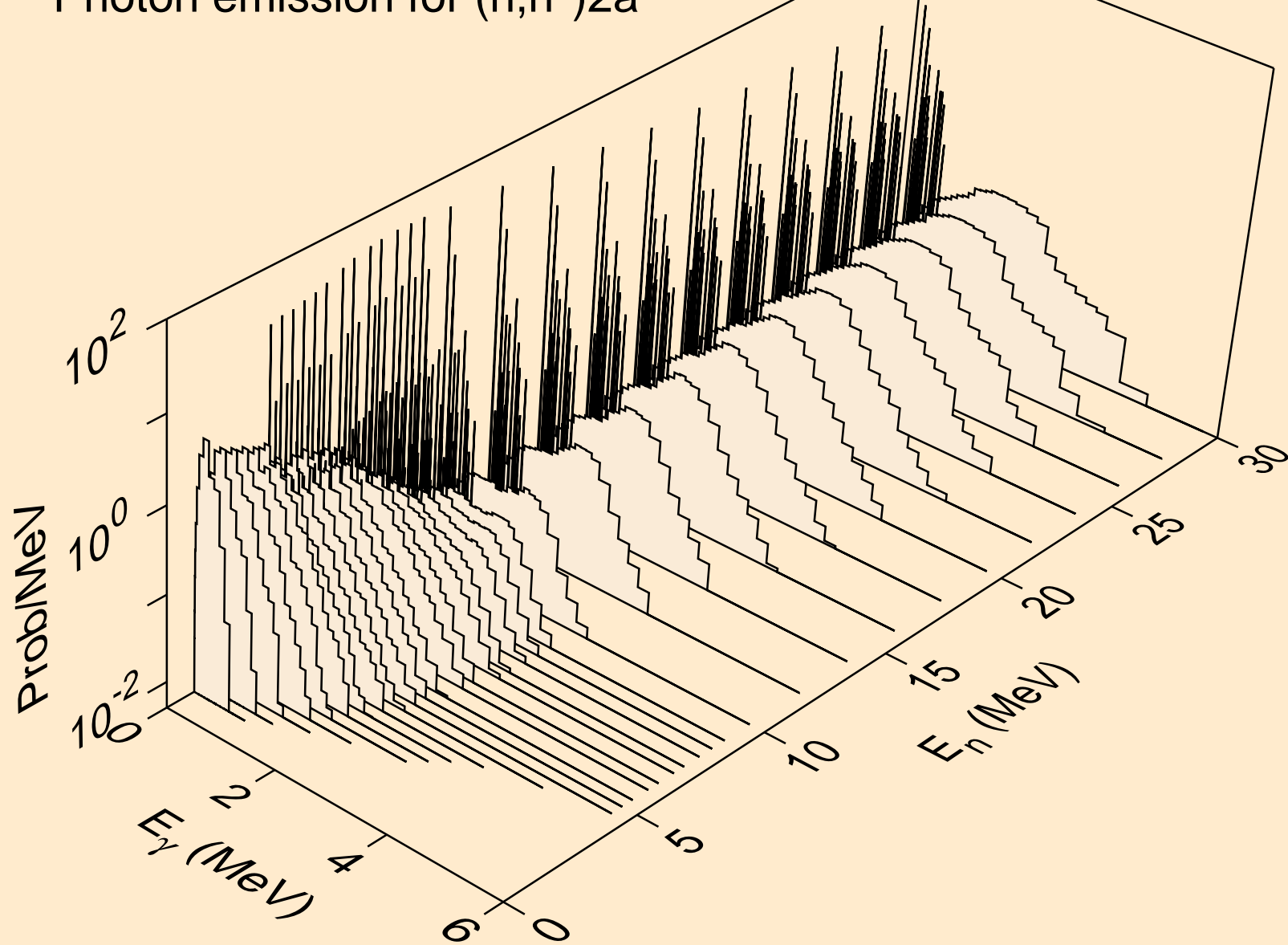


AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p

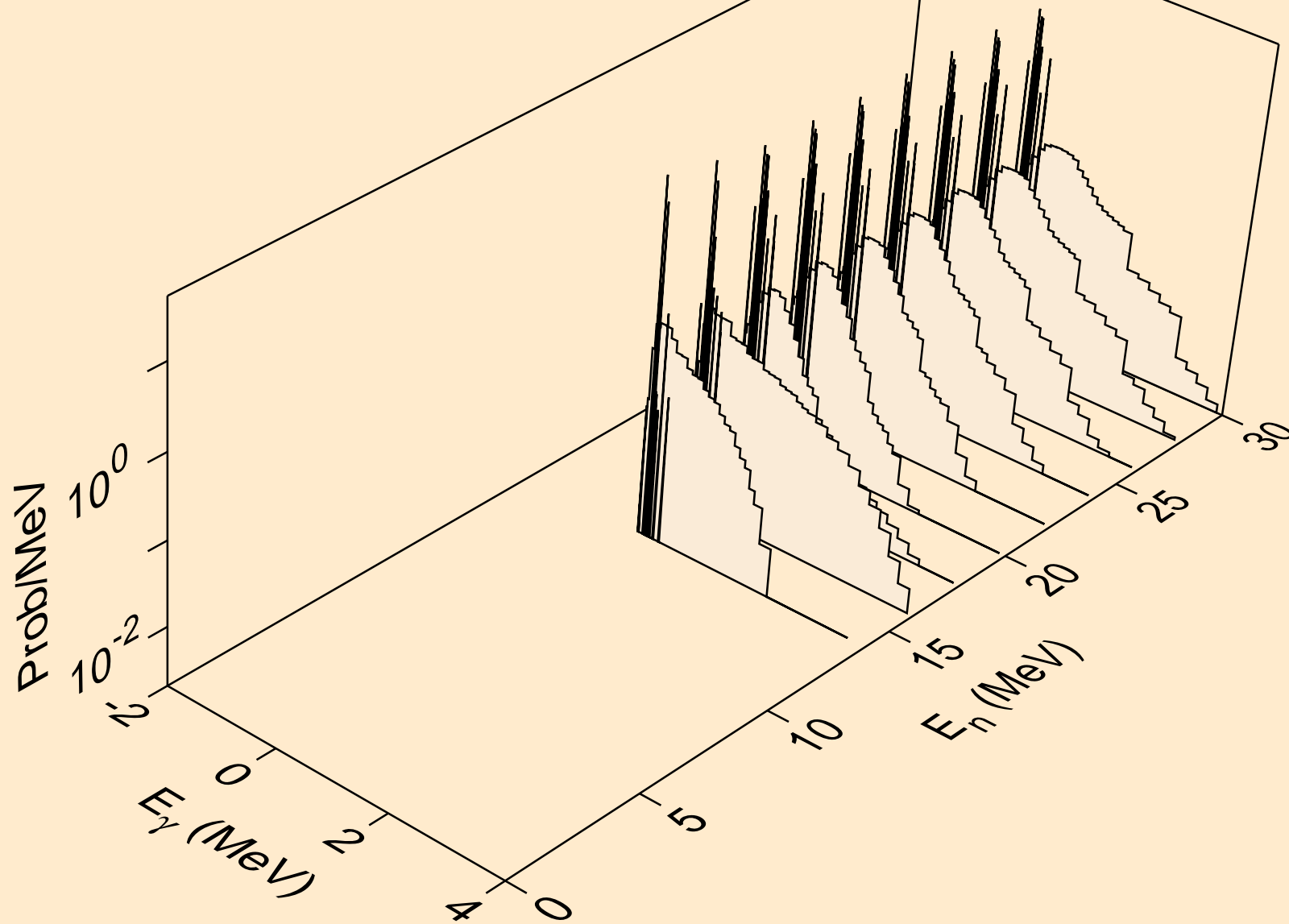




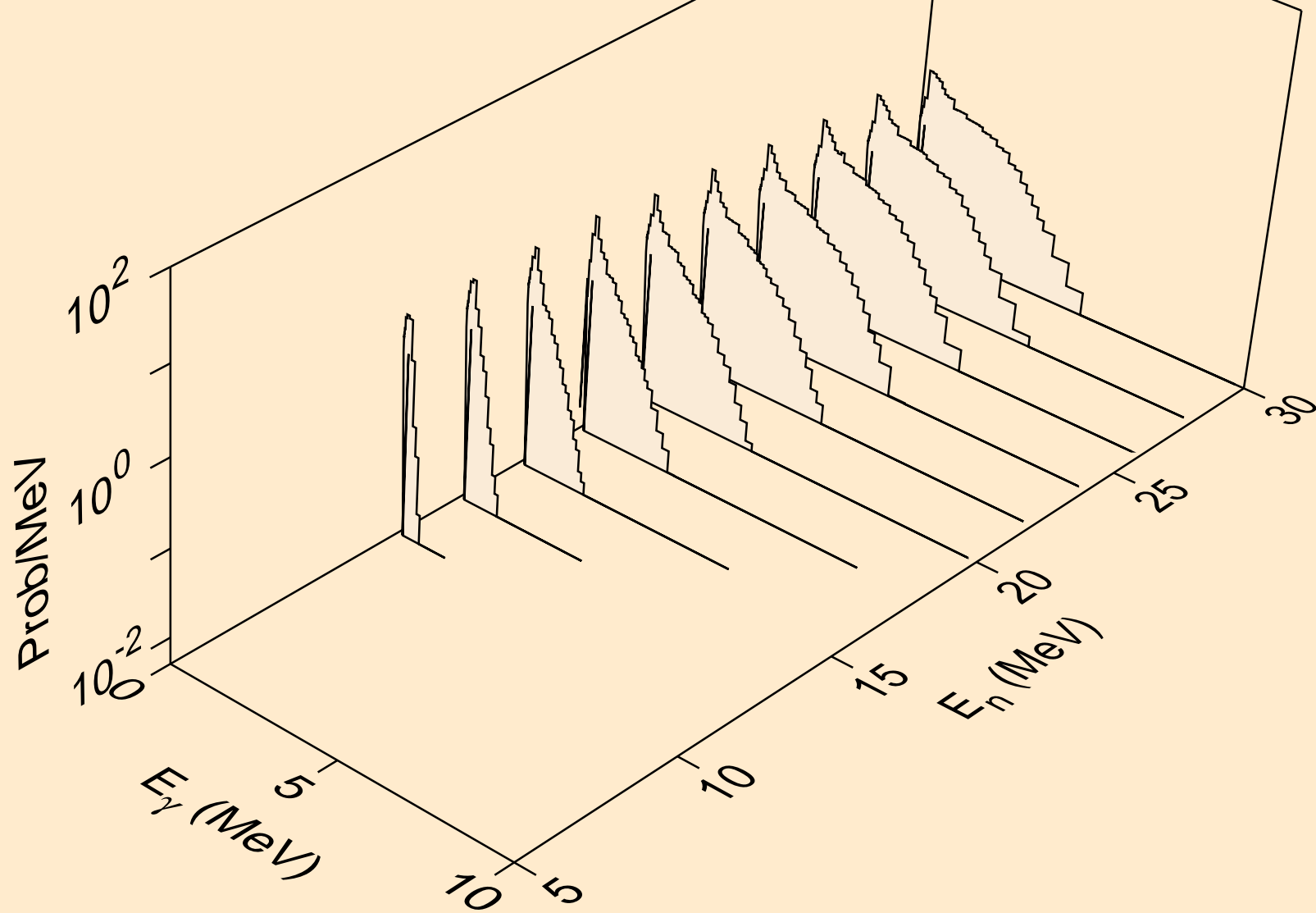
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Photon emission for (n,n\*)2a



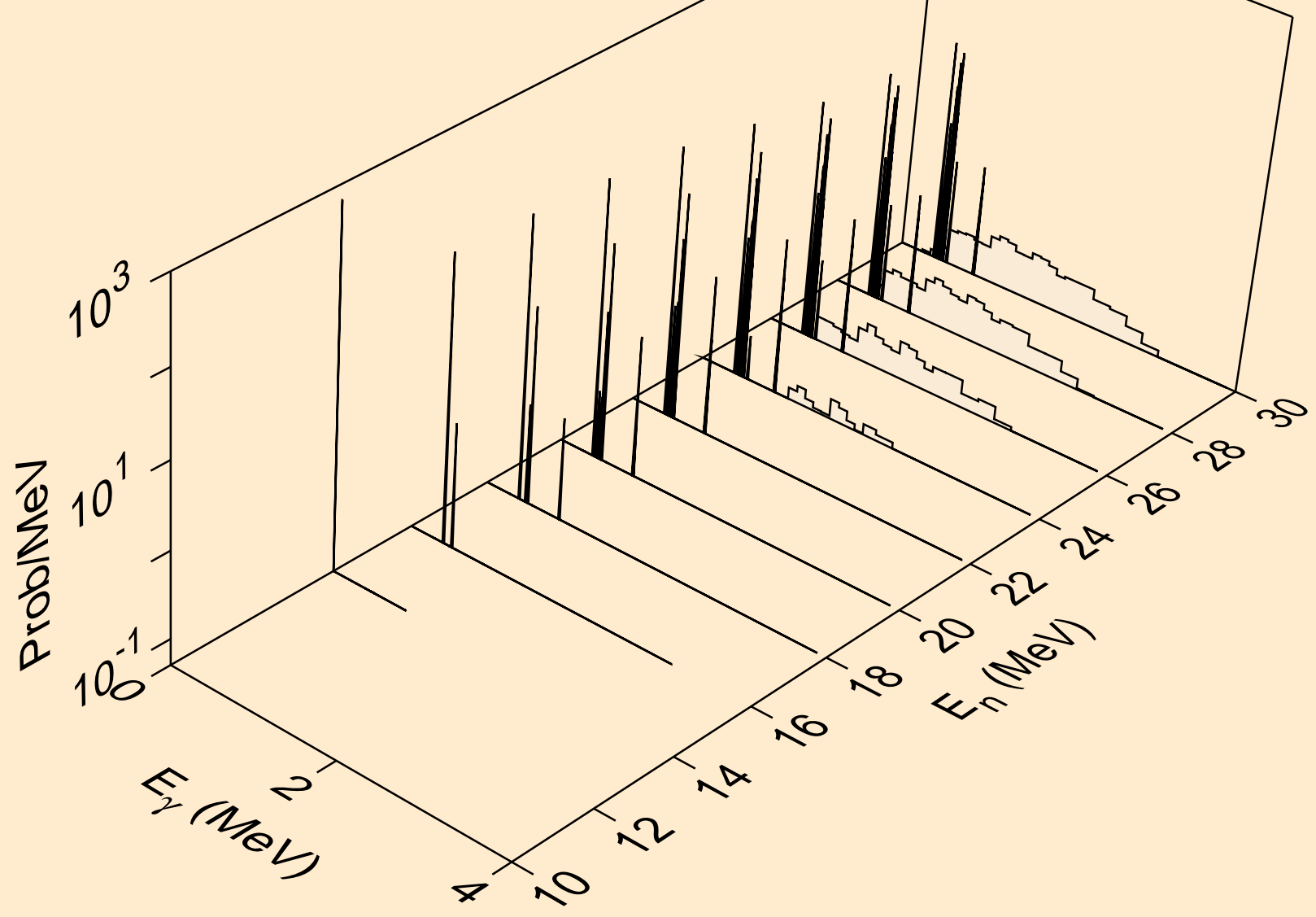
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Photon emission for (n,2n)2a



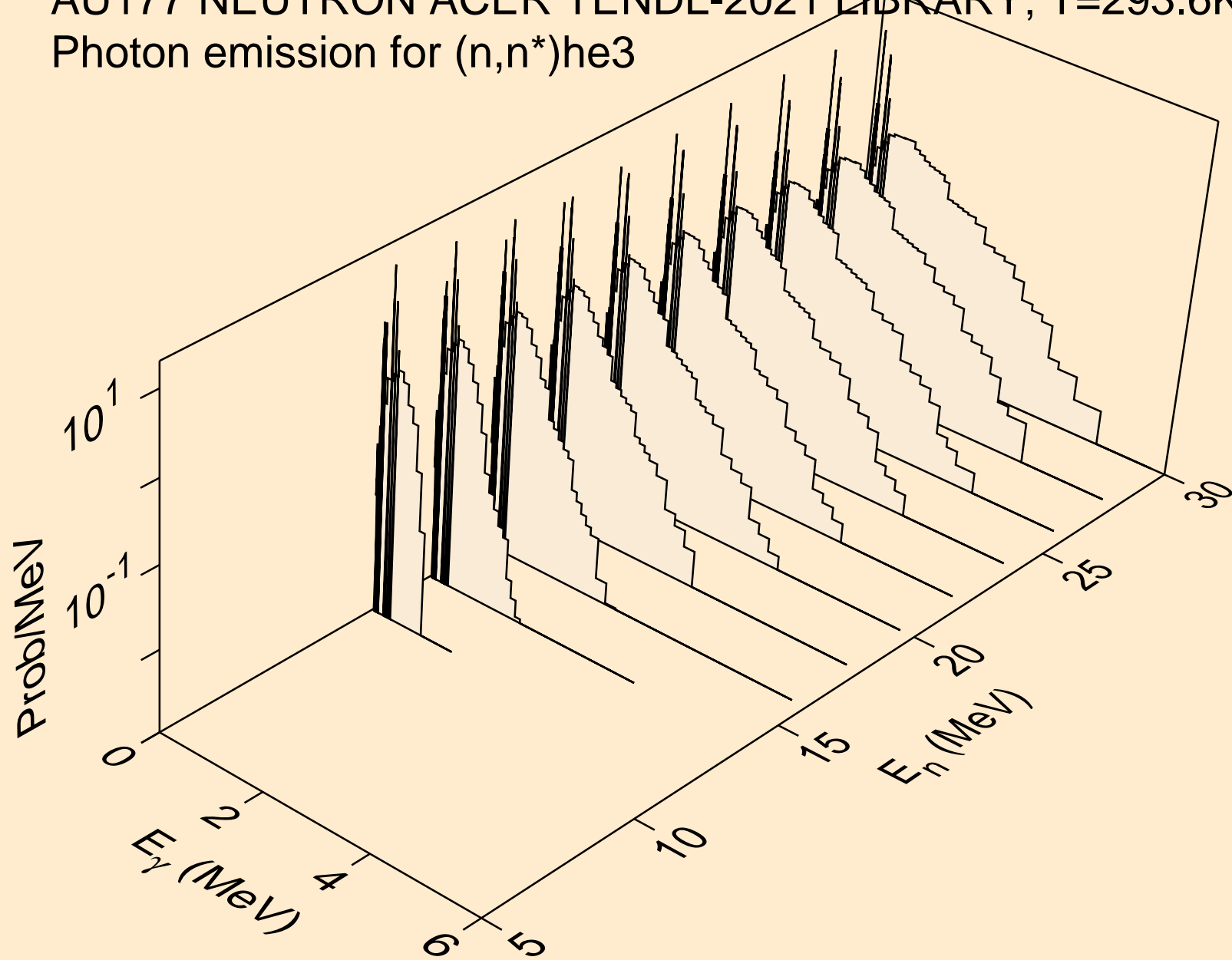
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Photon emission for (n,n\*)d



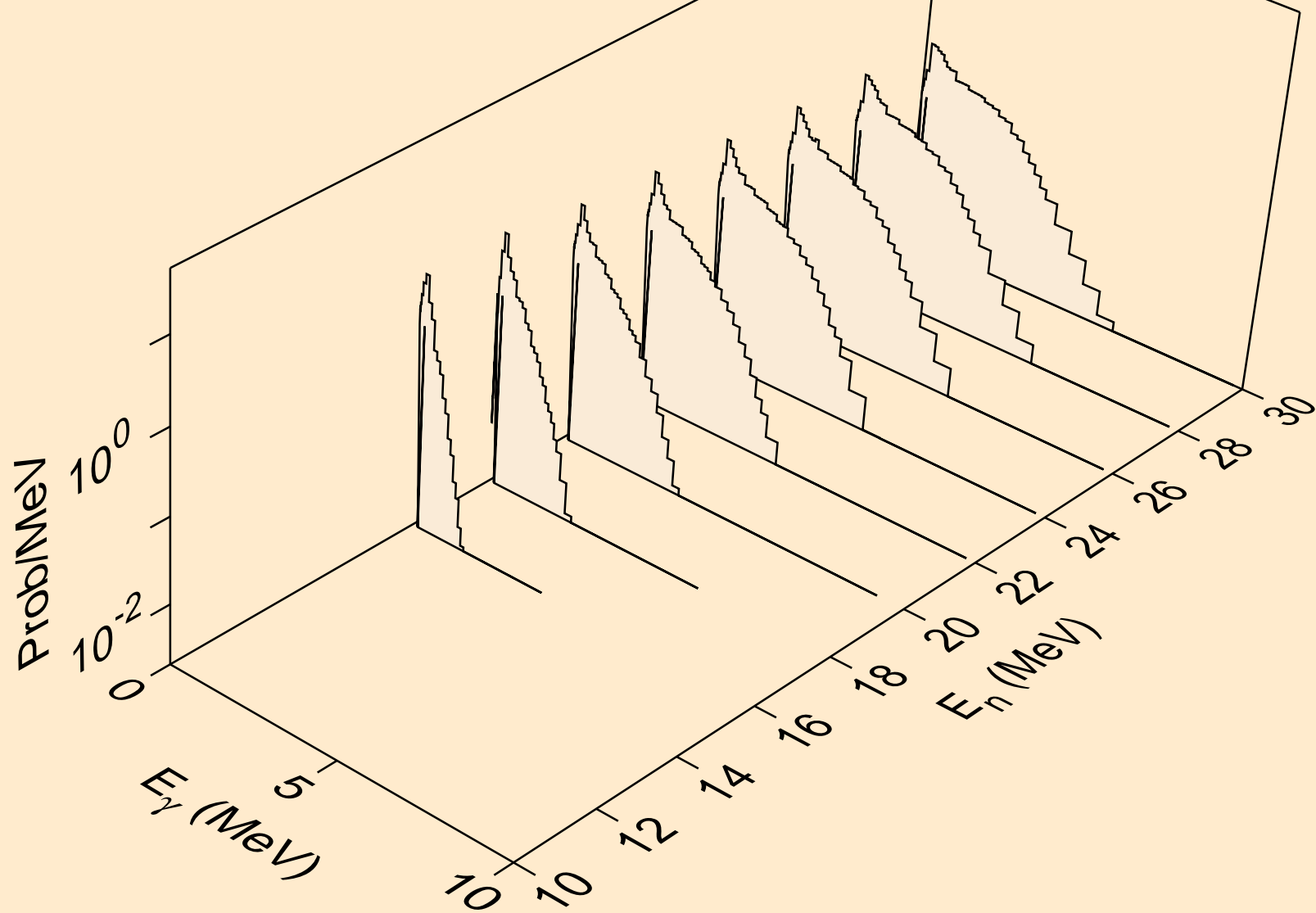
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



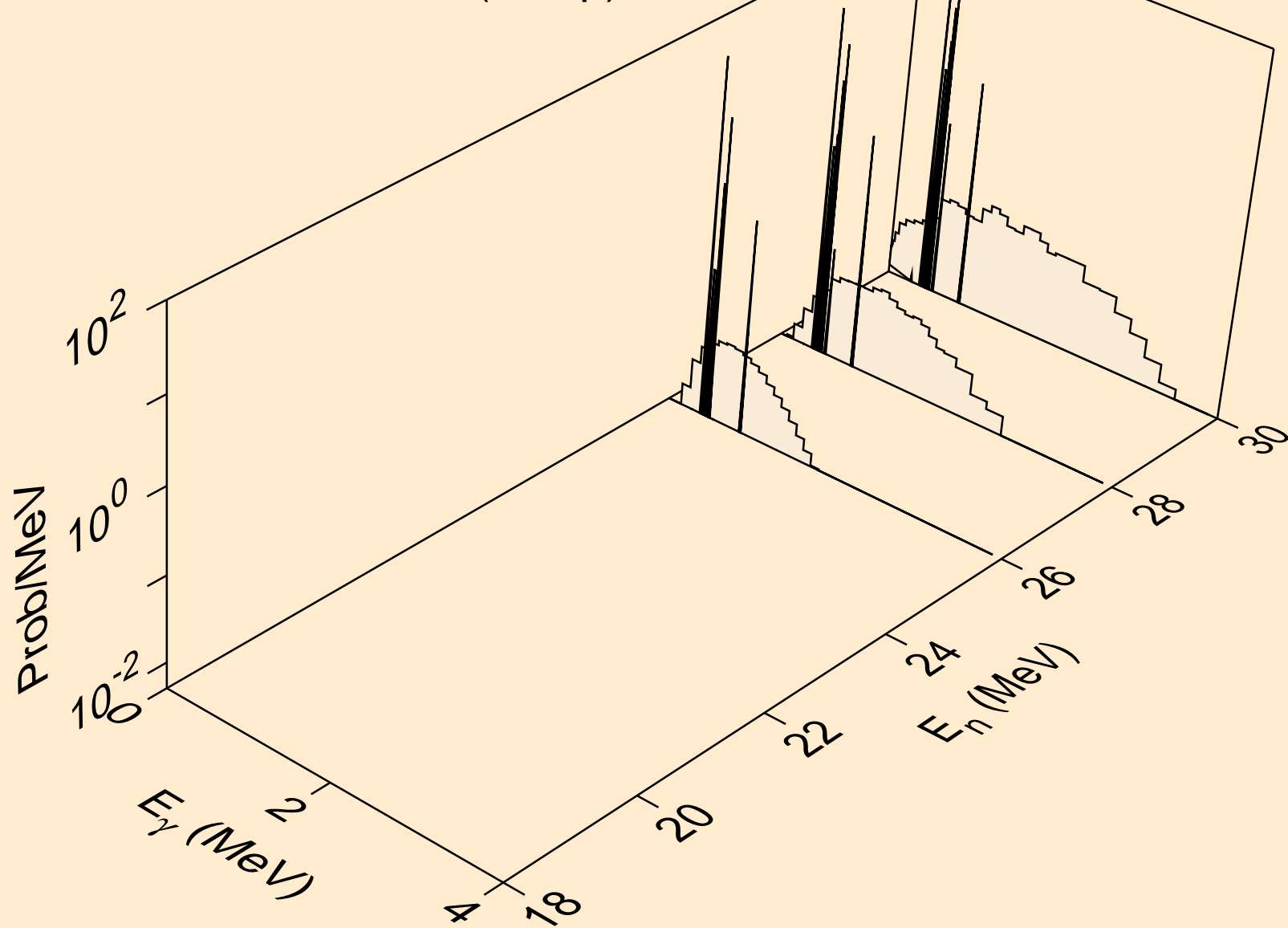
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



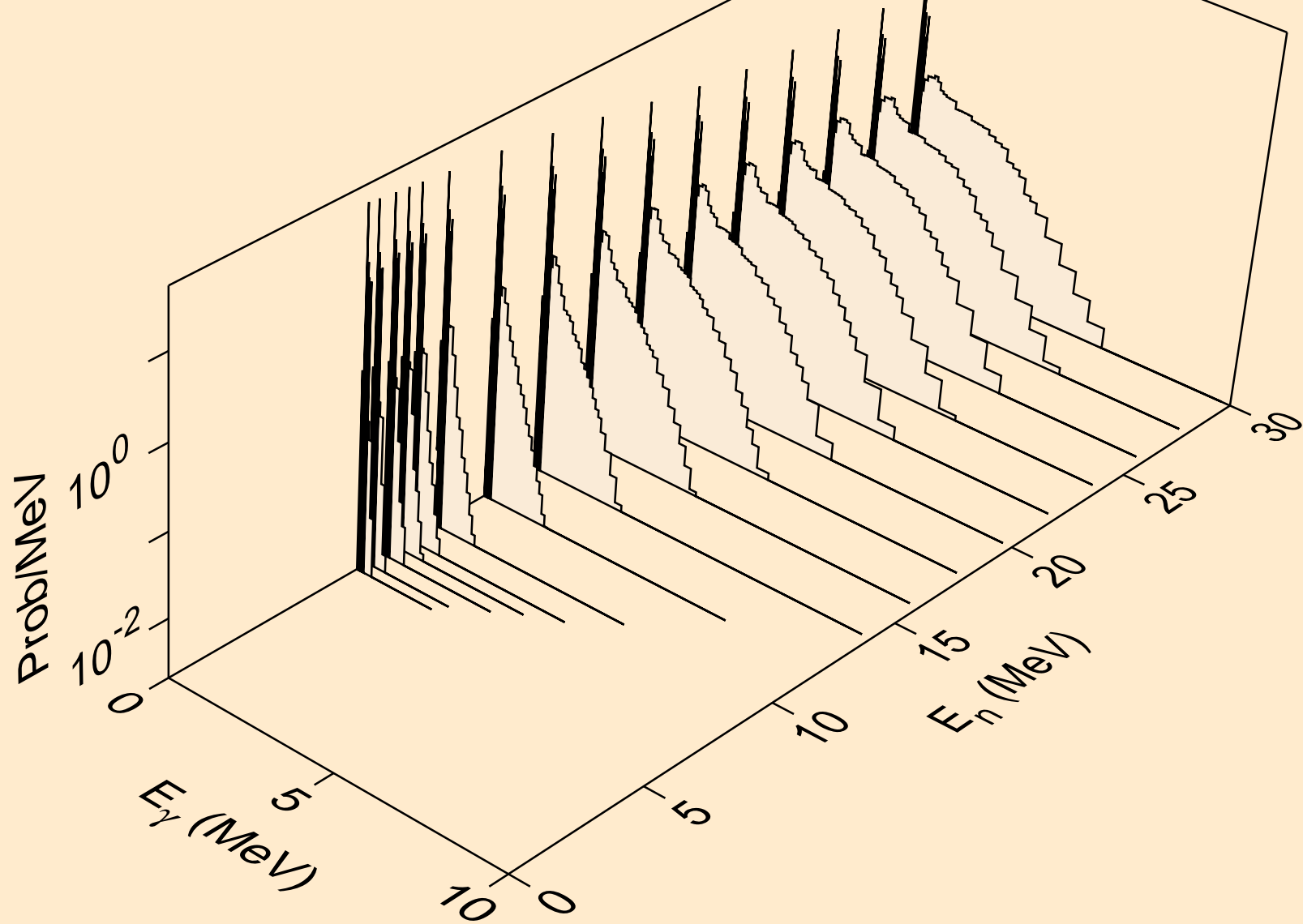
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3np)

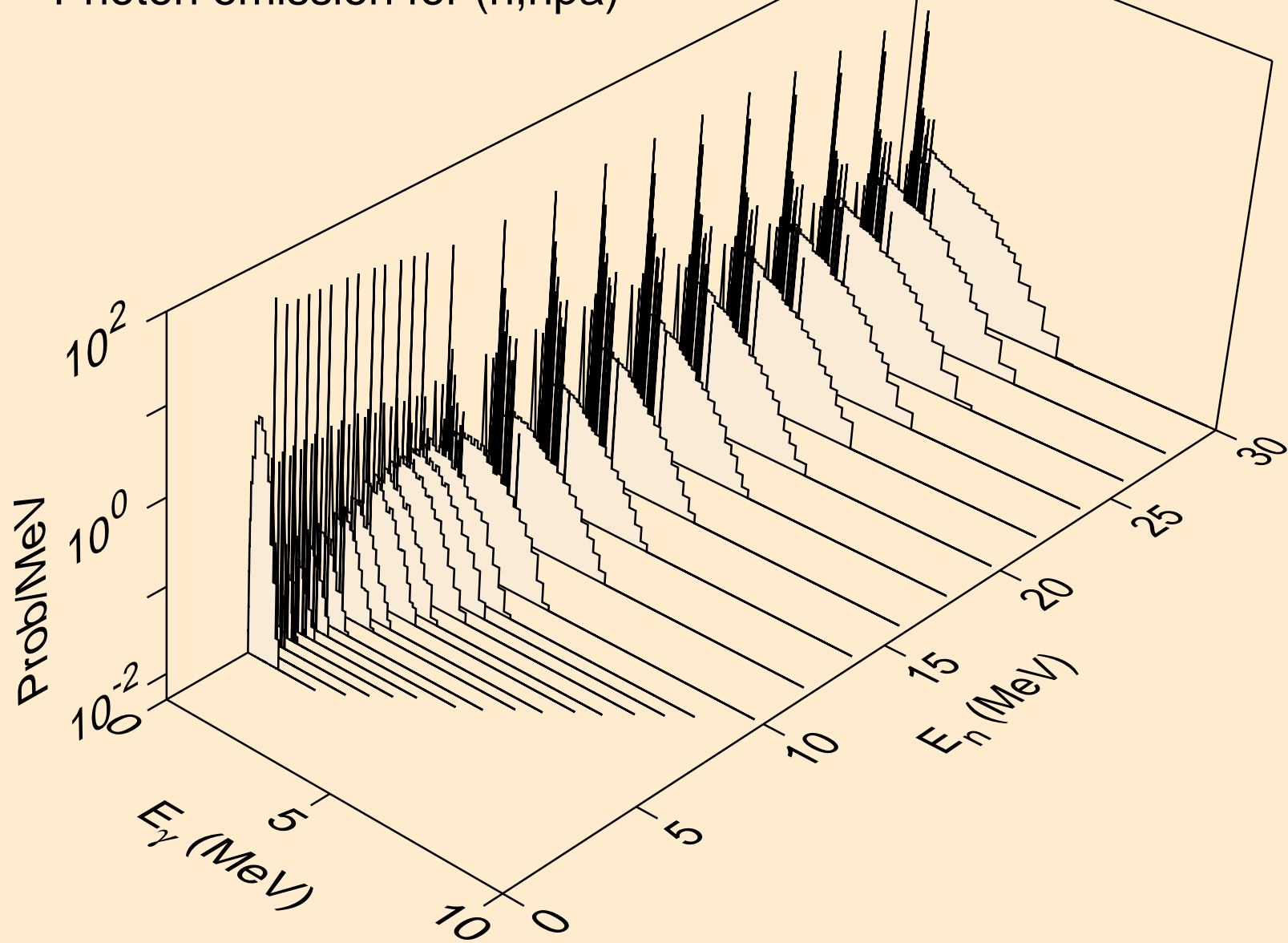


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Photon emission for (n,2np)

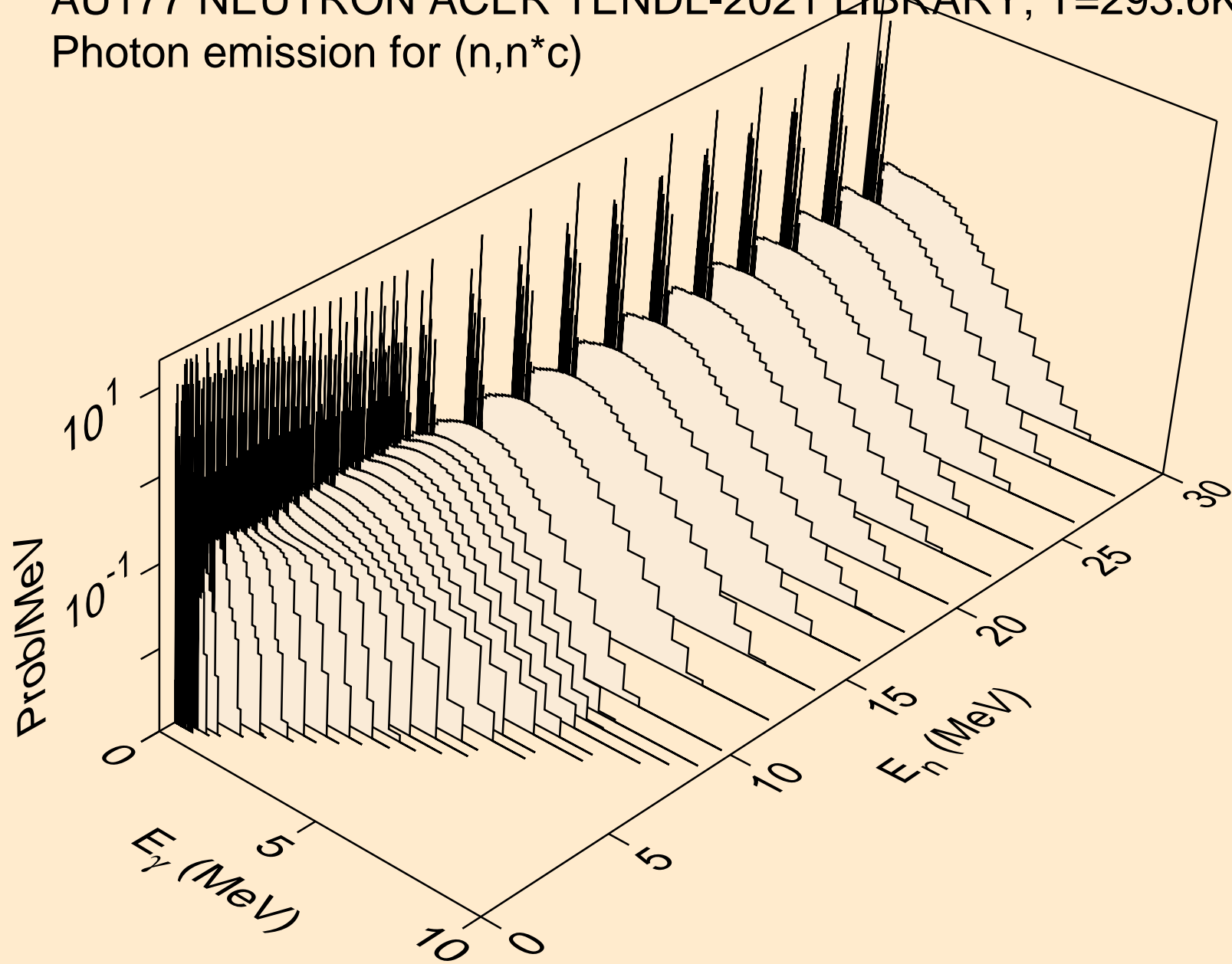




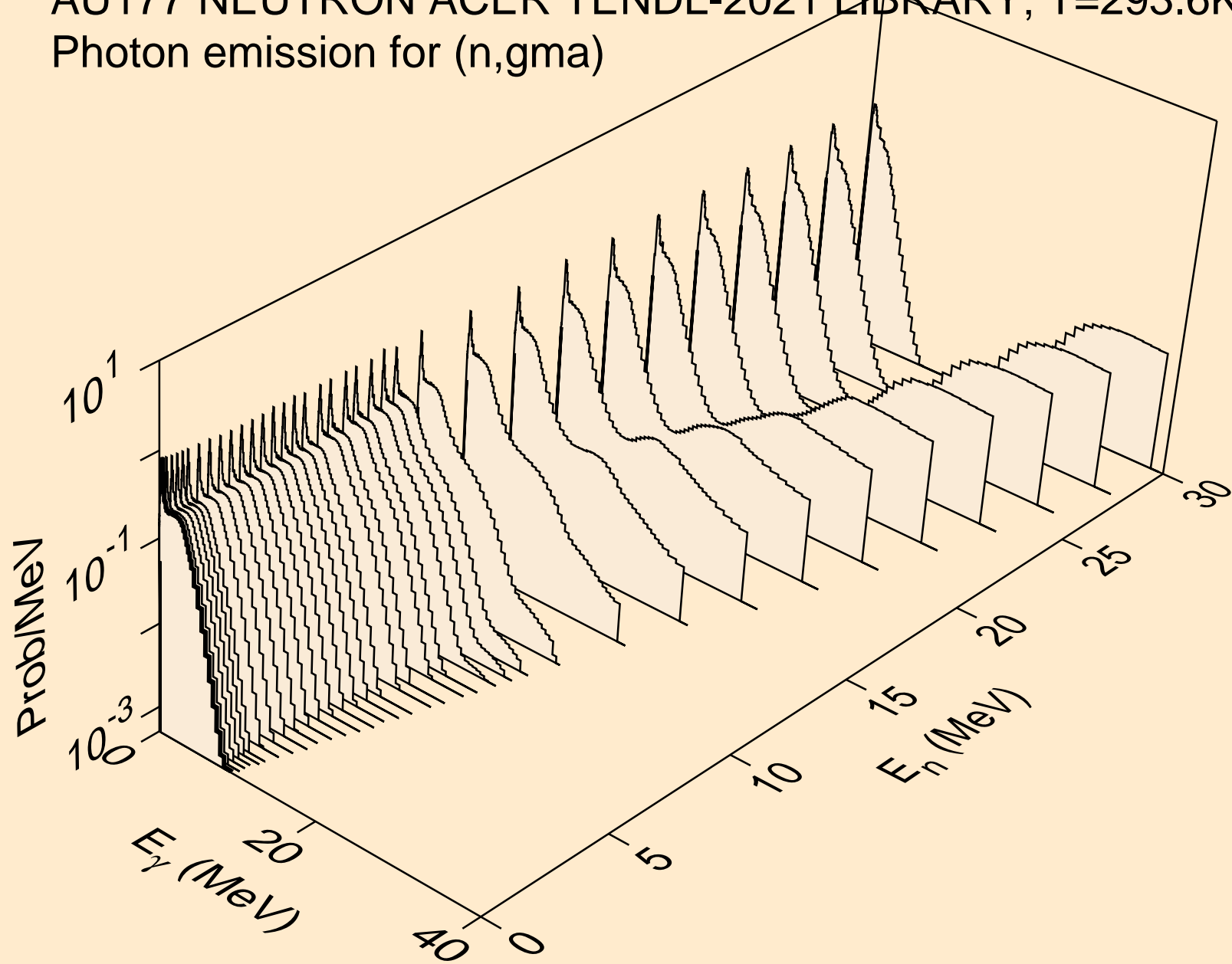
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Photon emission for (n,npa)



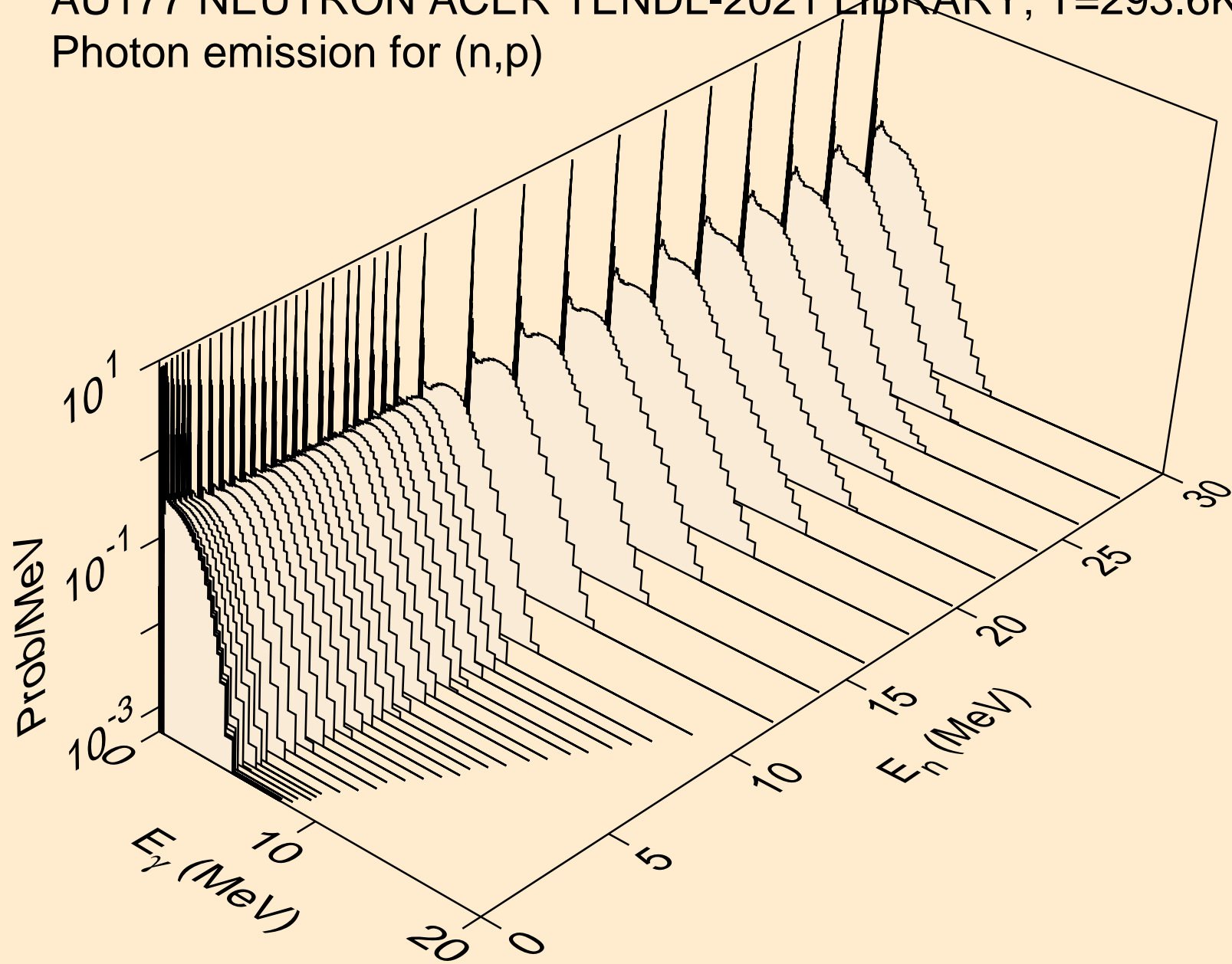
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Photon emission for (n,n\*c)



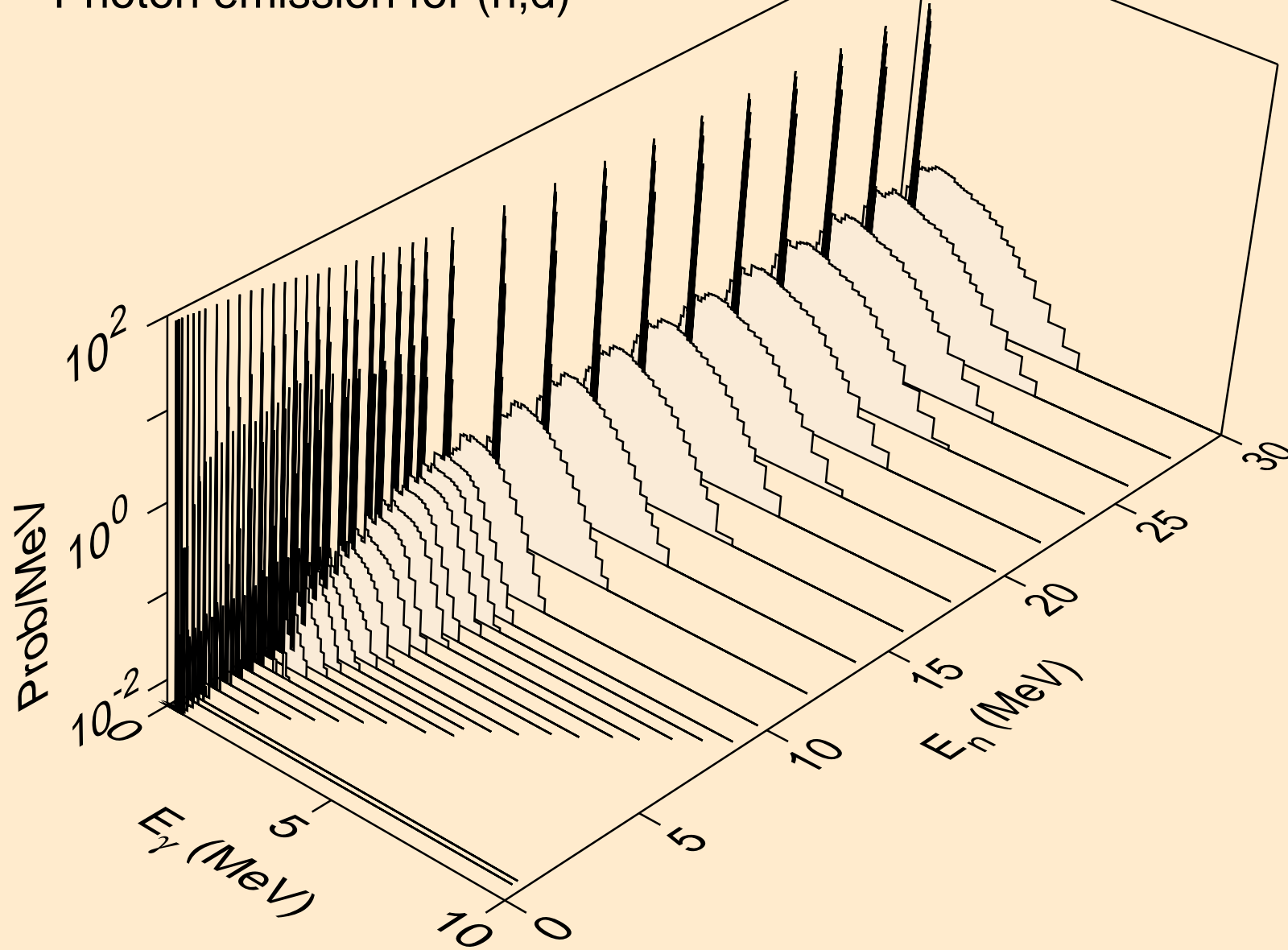
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Photon emission for (n,gma)



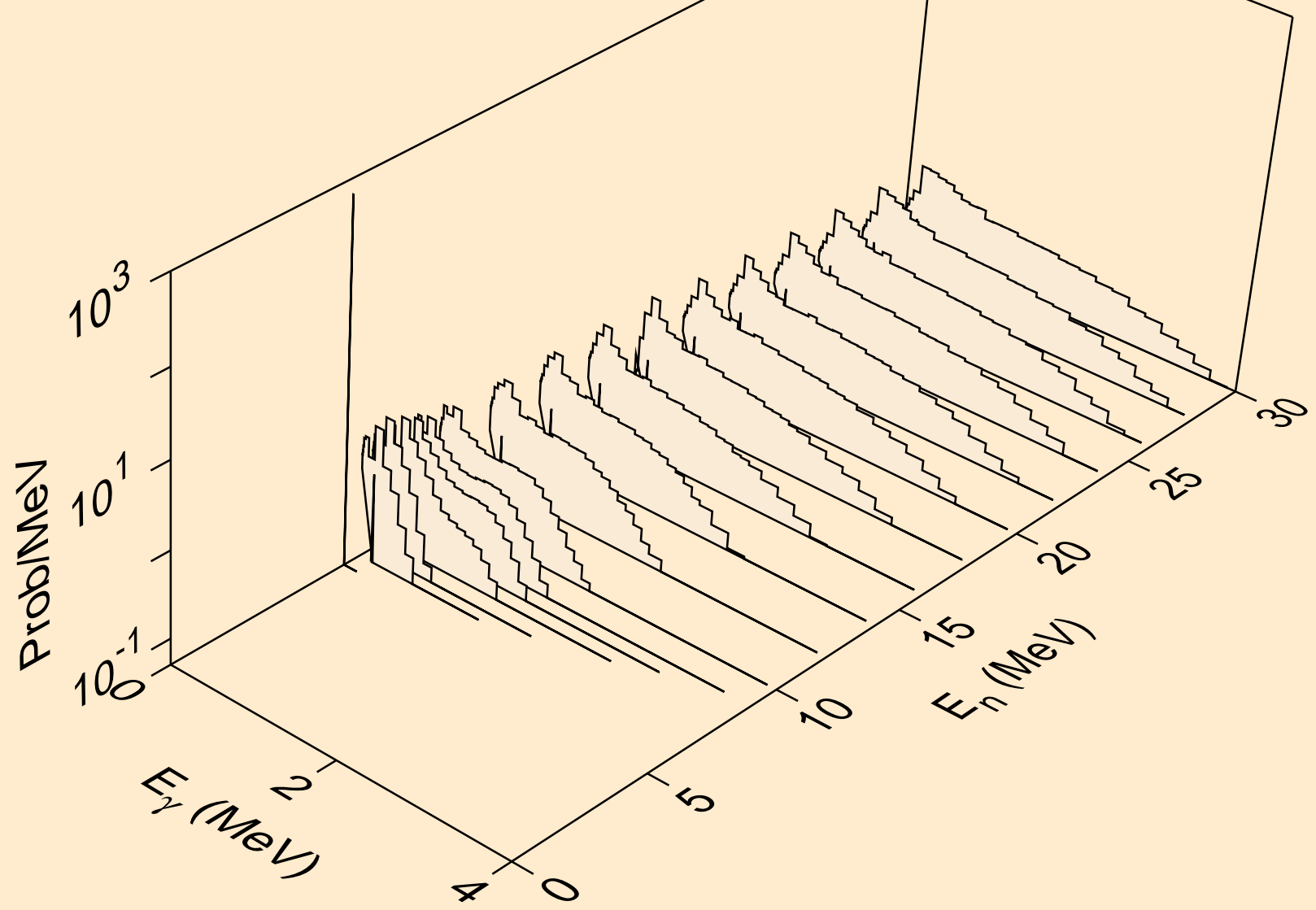
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Photon emission for (n,p)



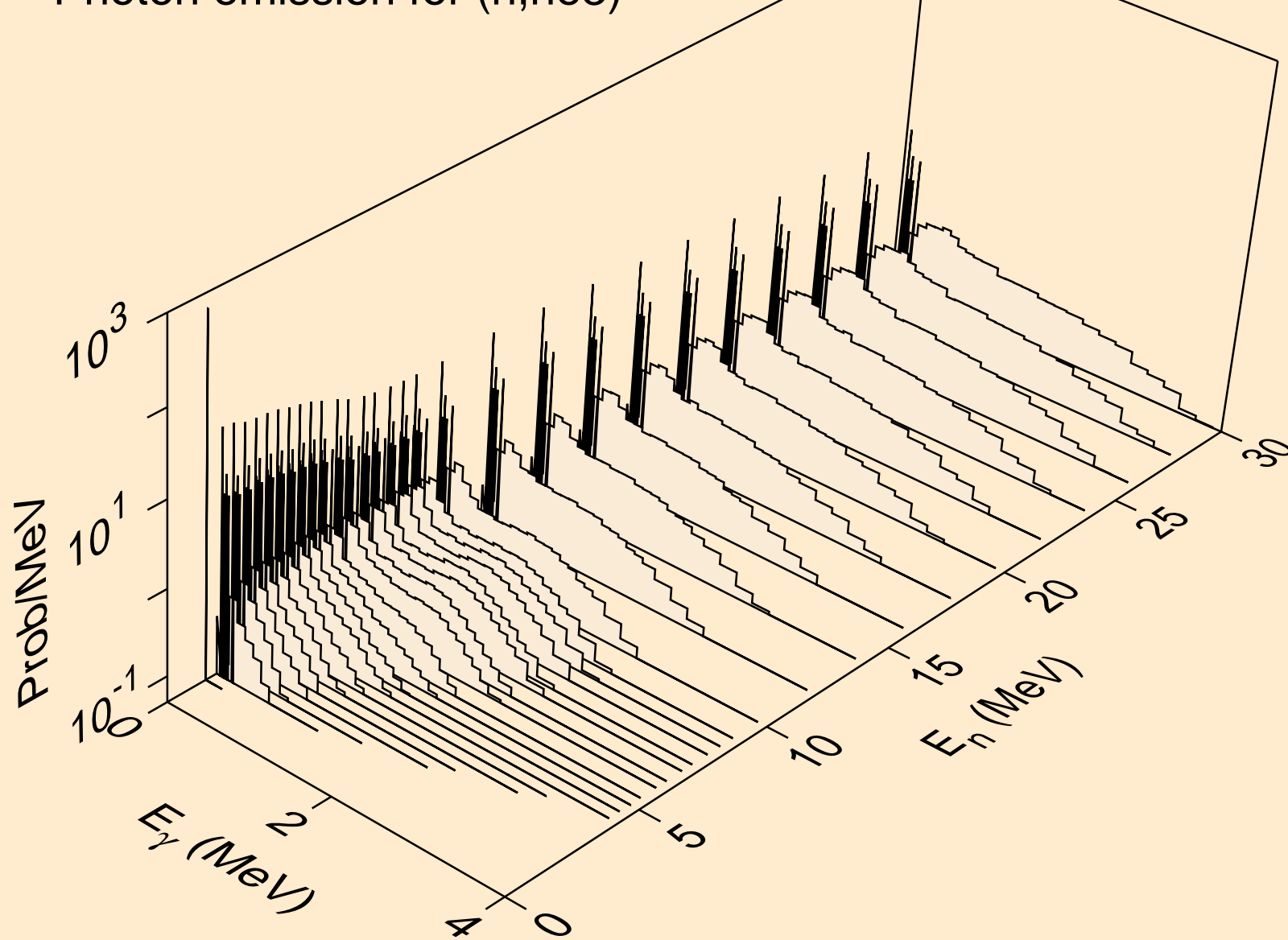
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Photon emission for (n,d)



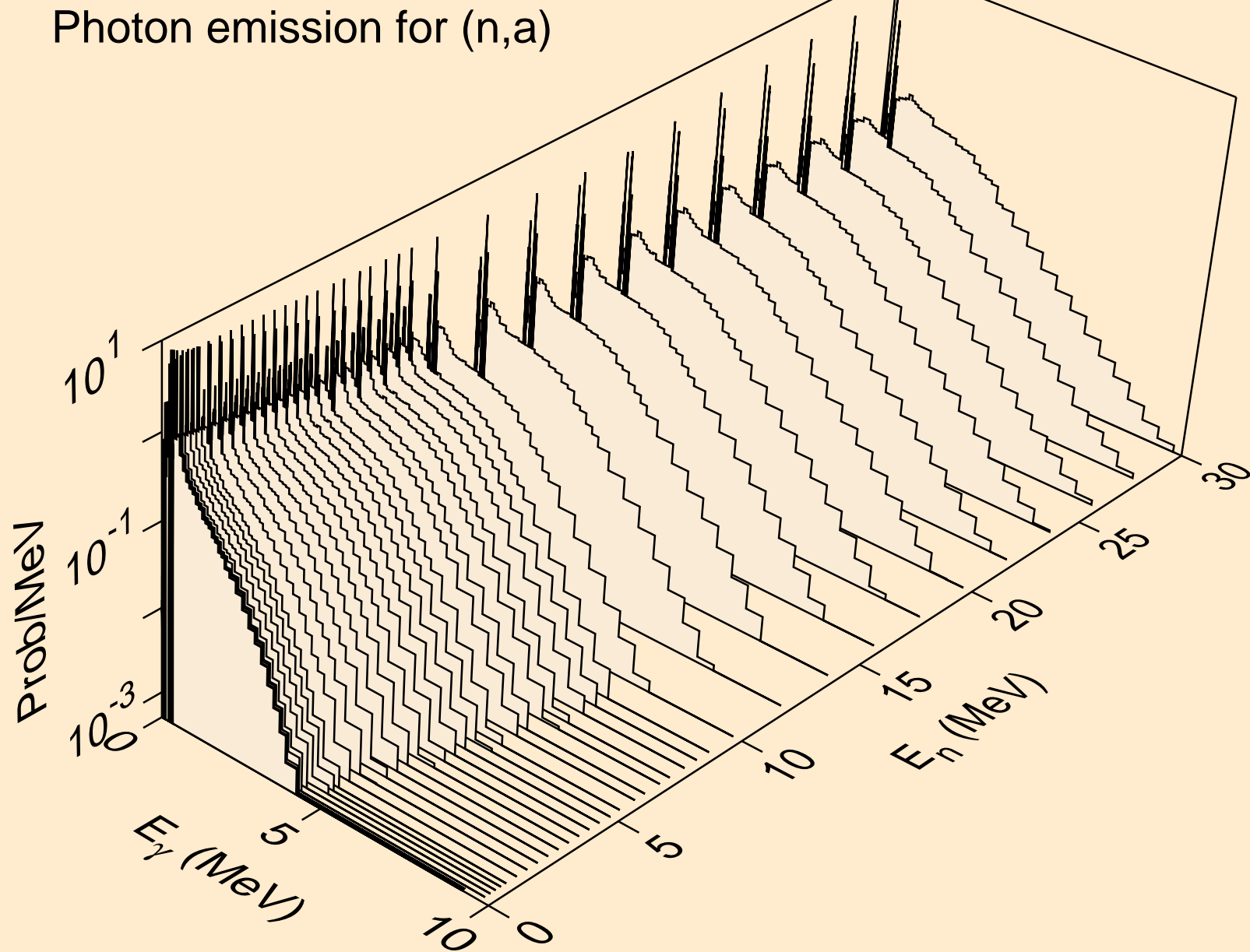
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)



AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,he3)

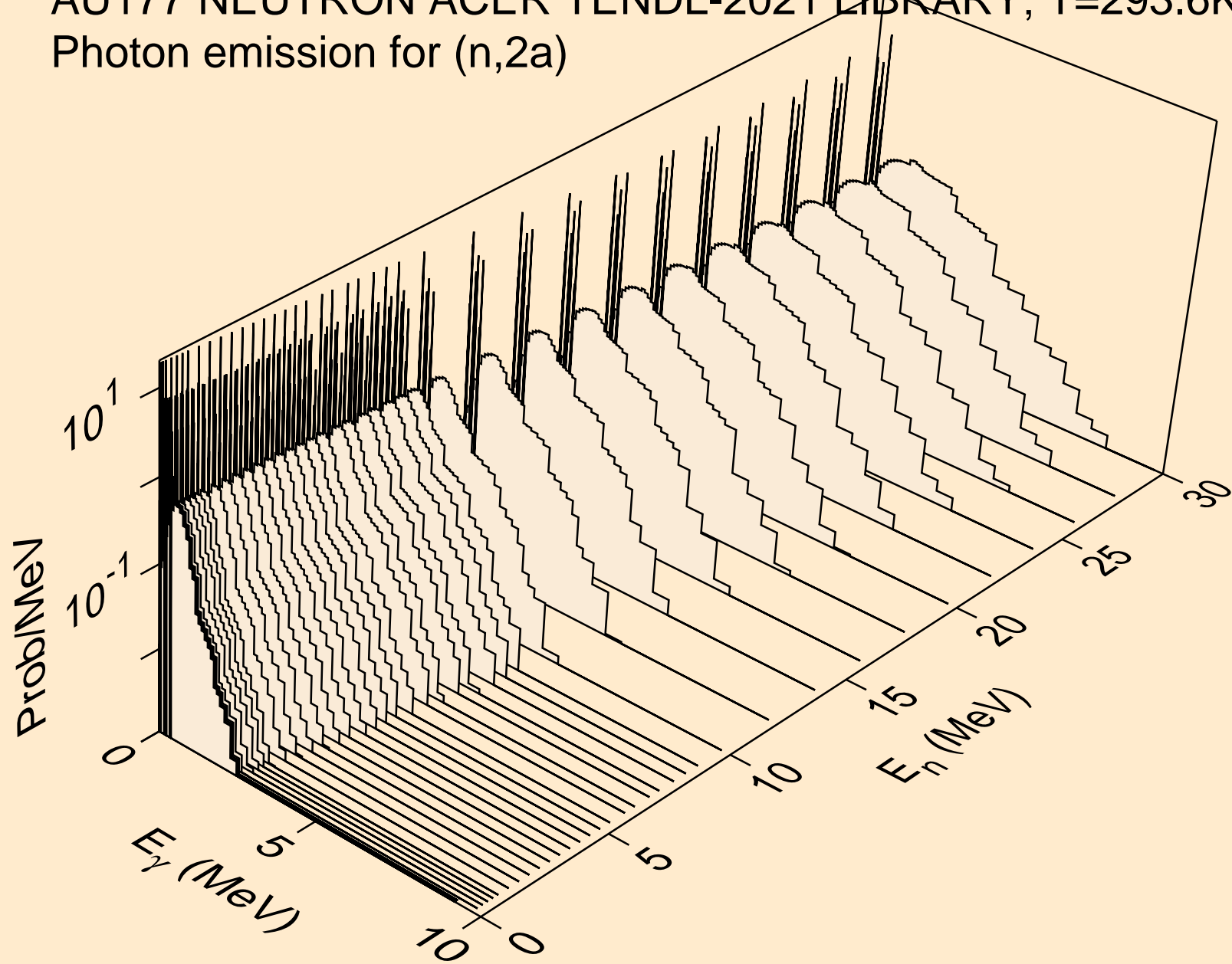


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Photon emission for (n,a)

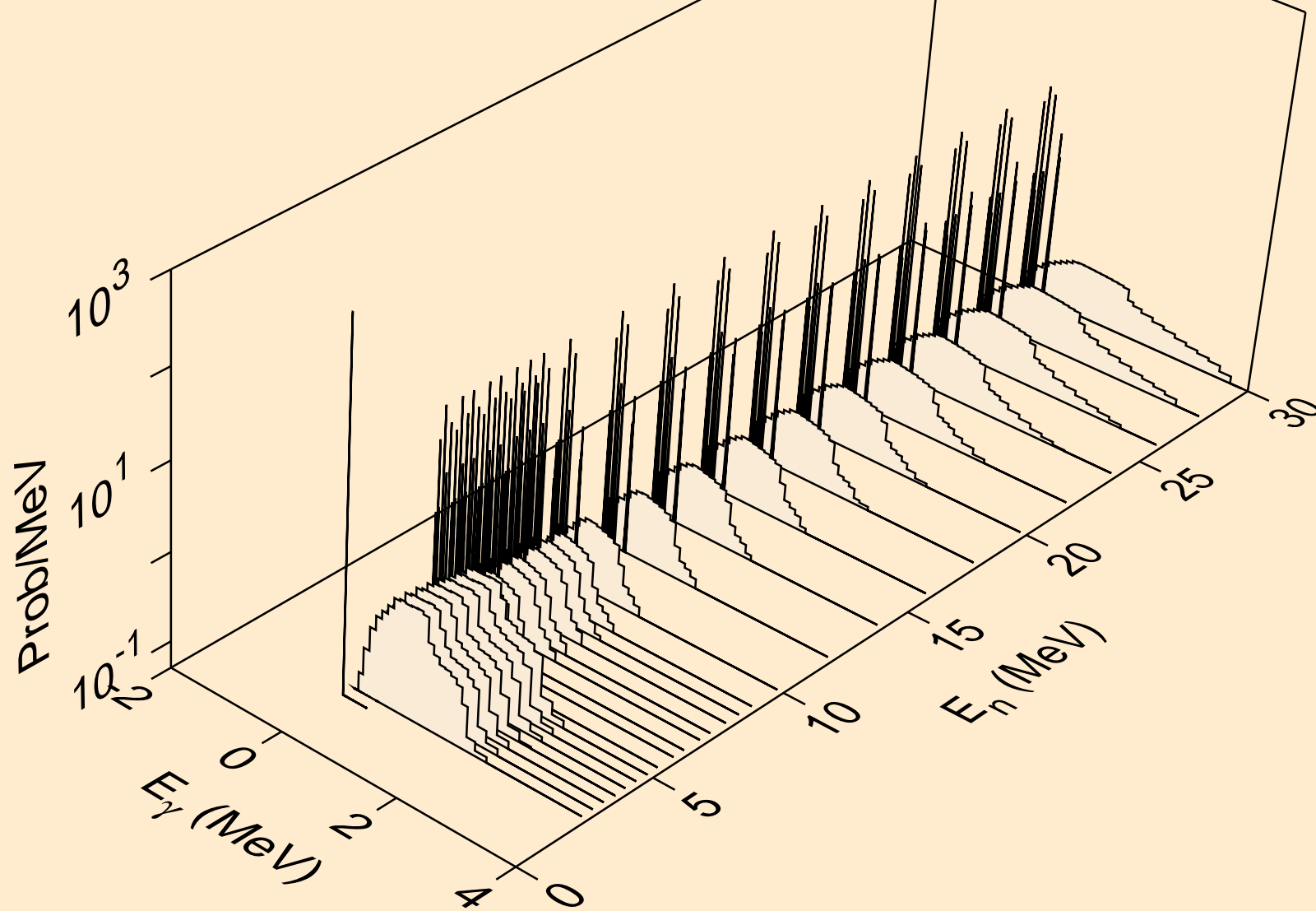




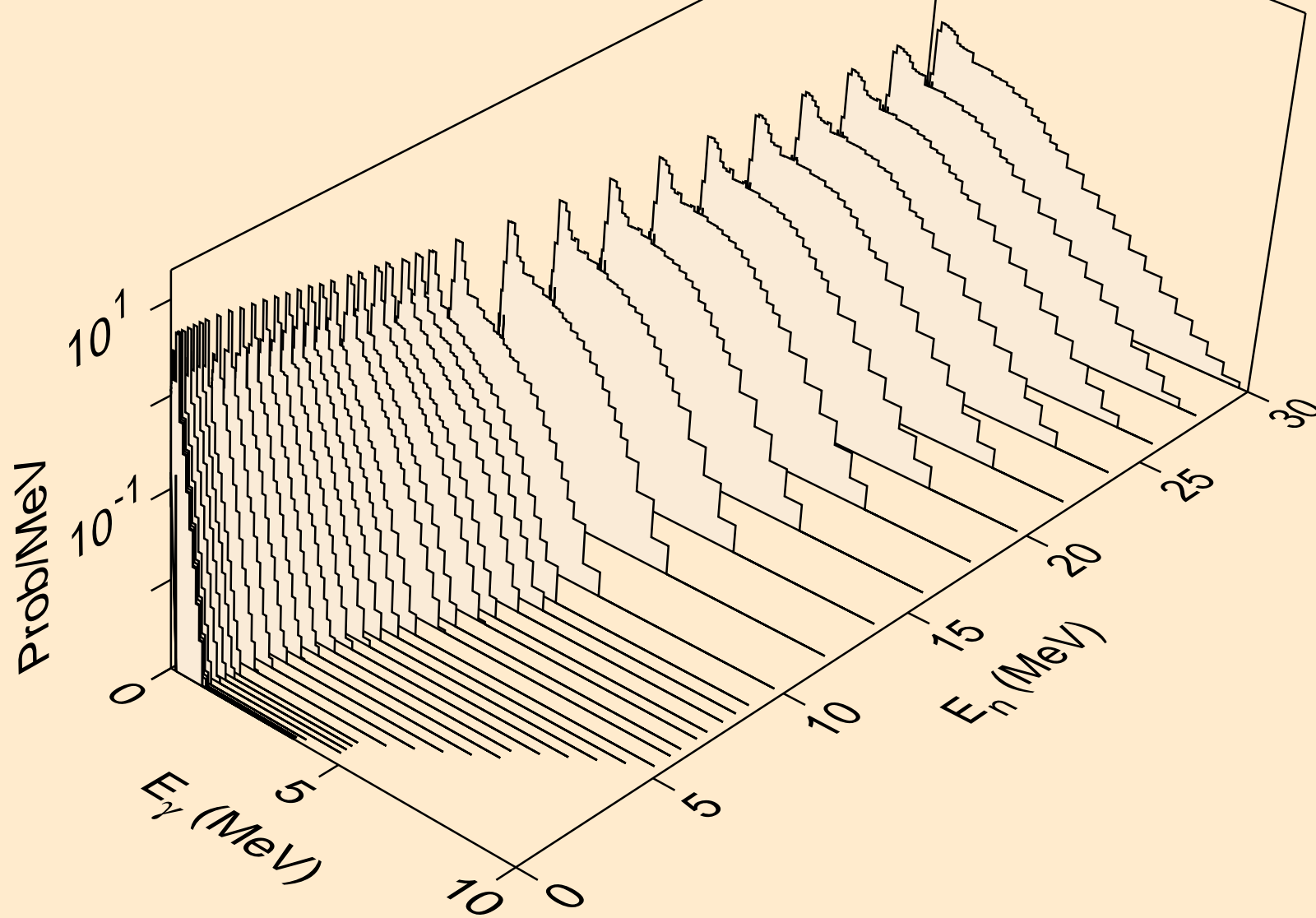
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Photon emission for (n,2a)



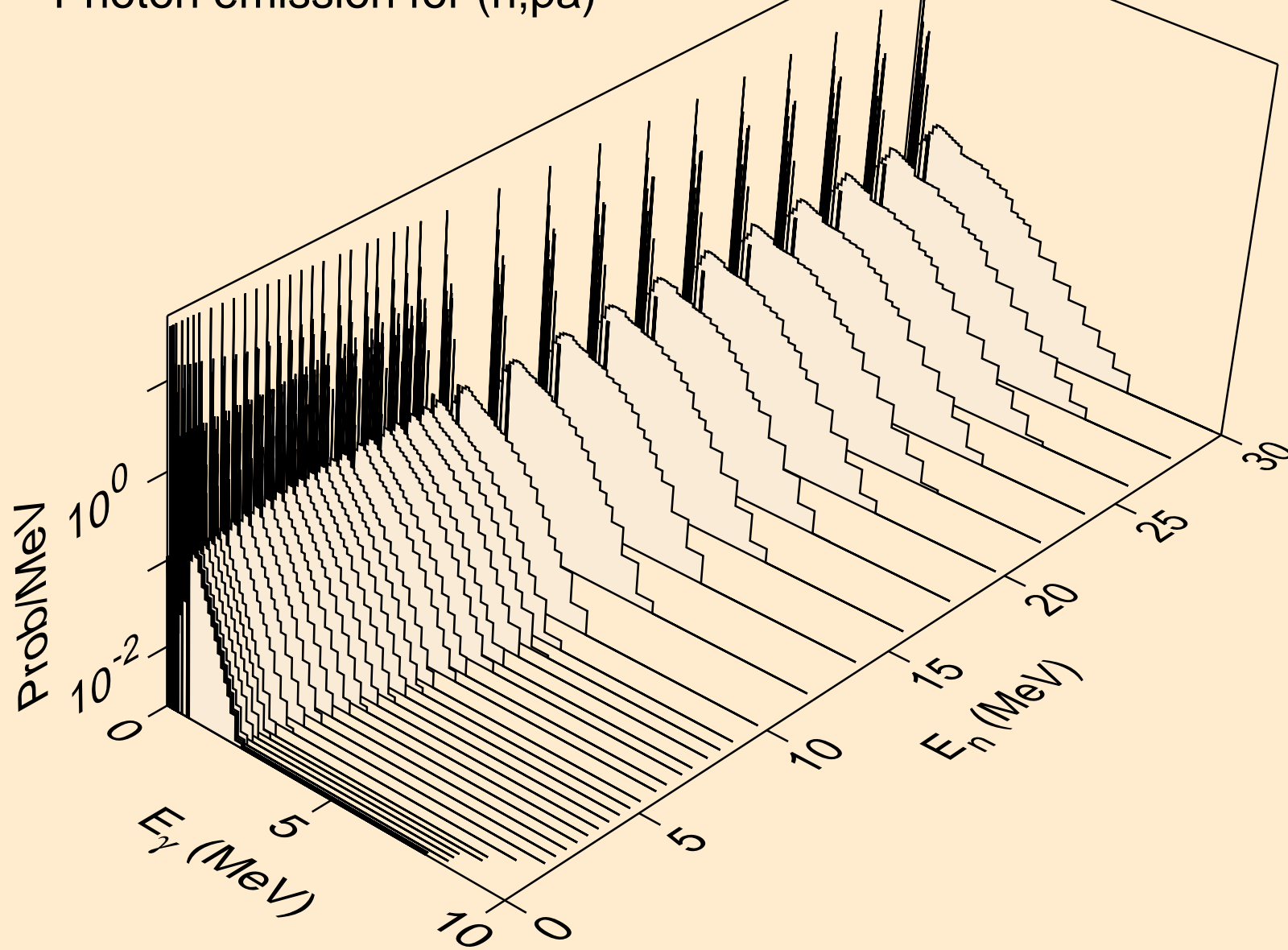
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Photon emission for (n,3a)



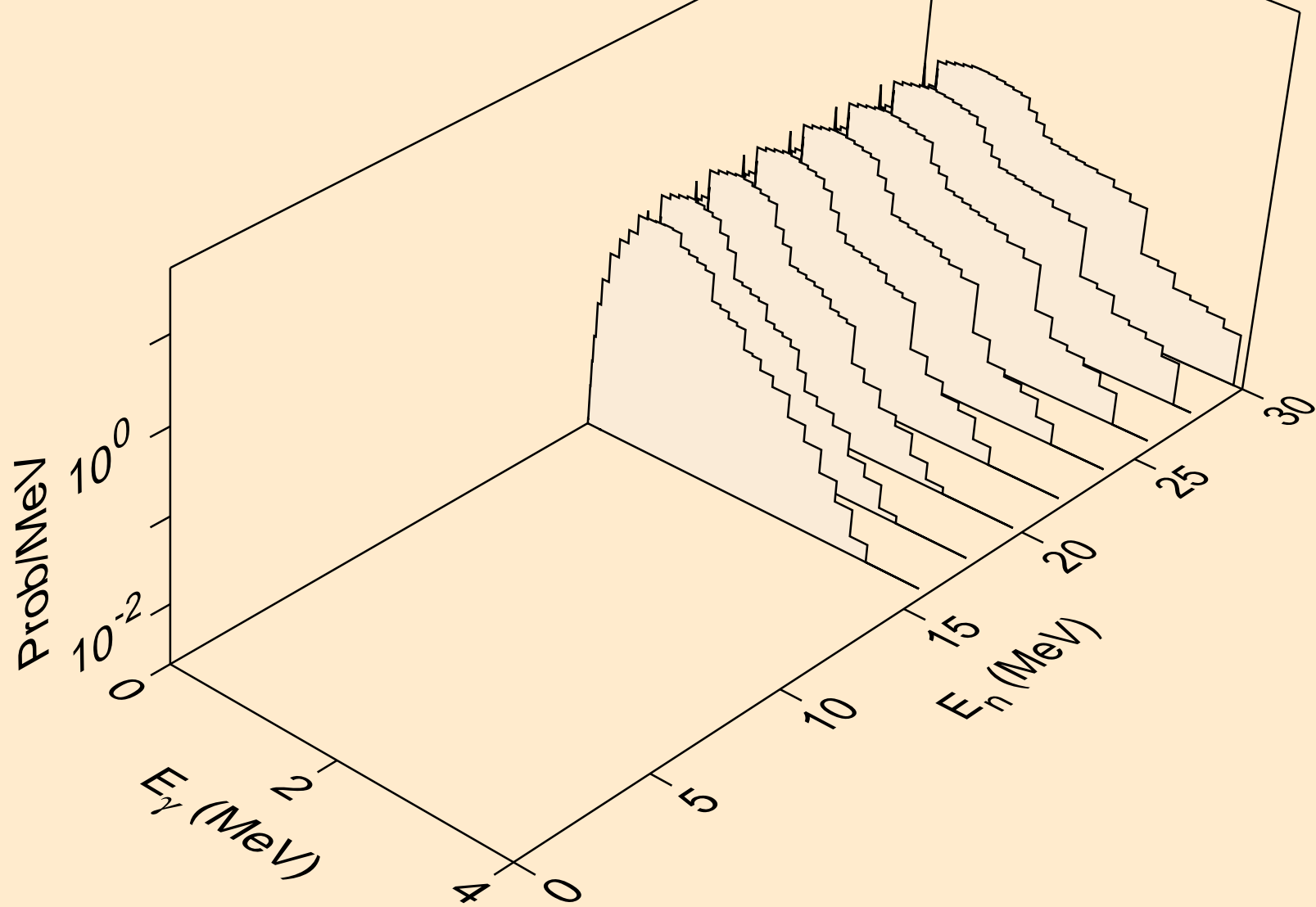
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Photon emission for (n,2p)



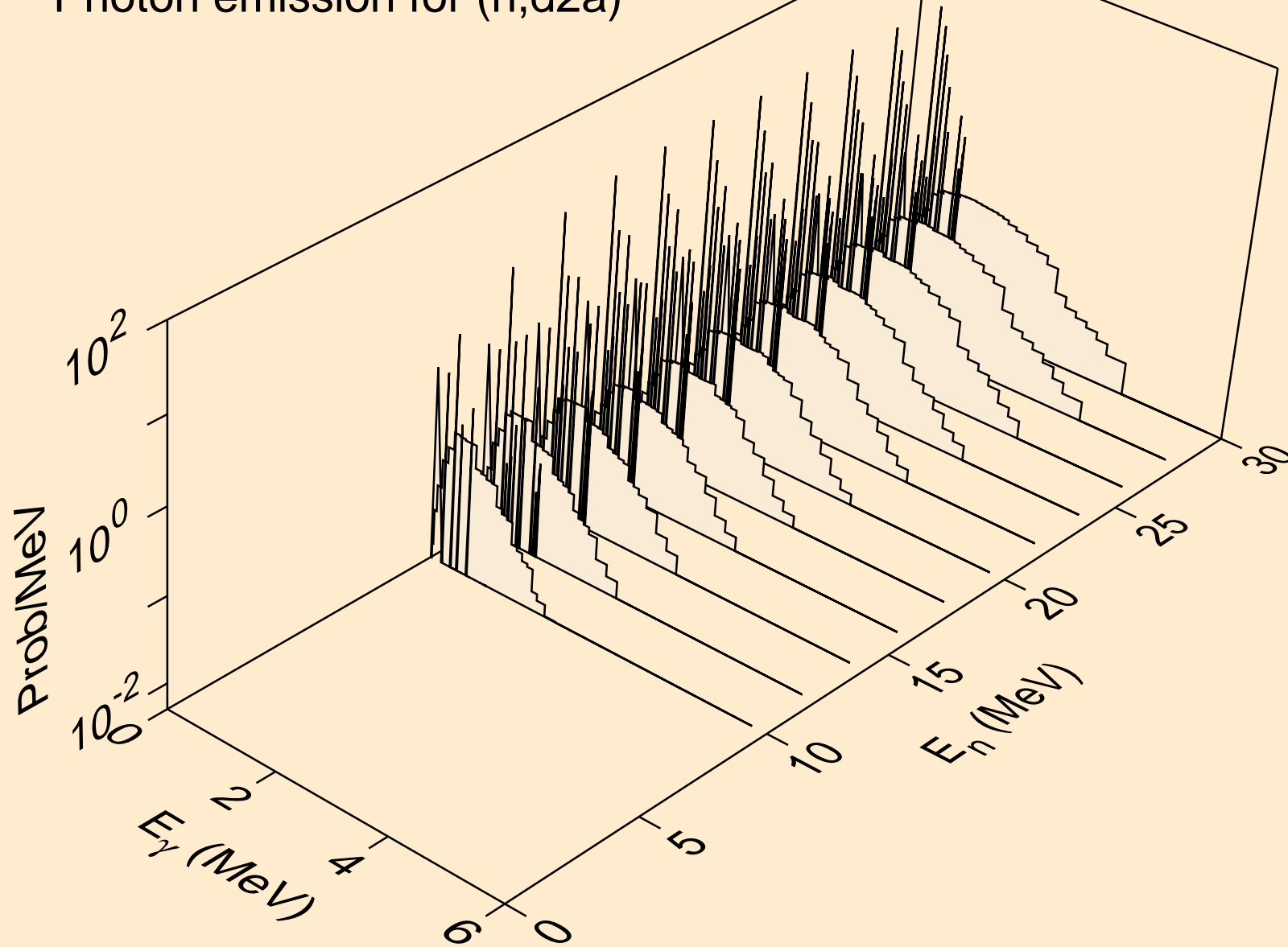
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Photon emission for (n,p $\alpha$ )



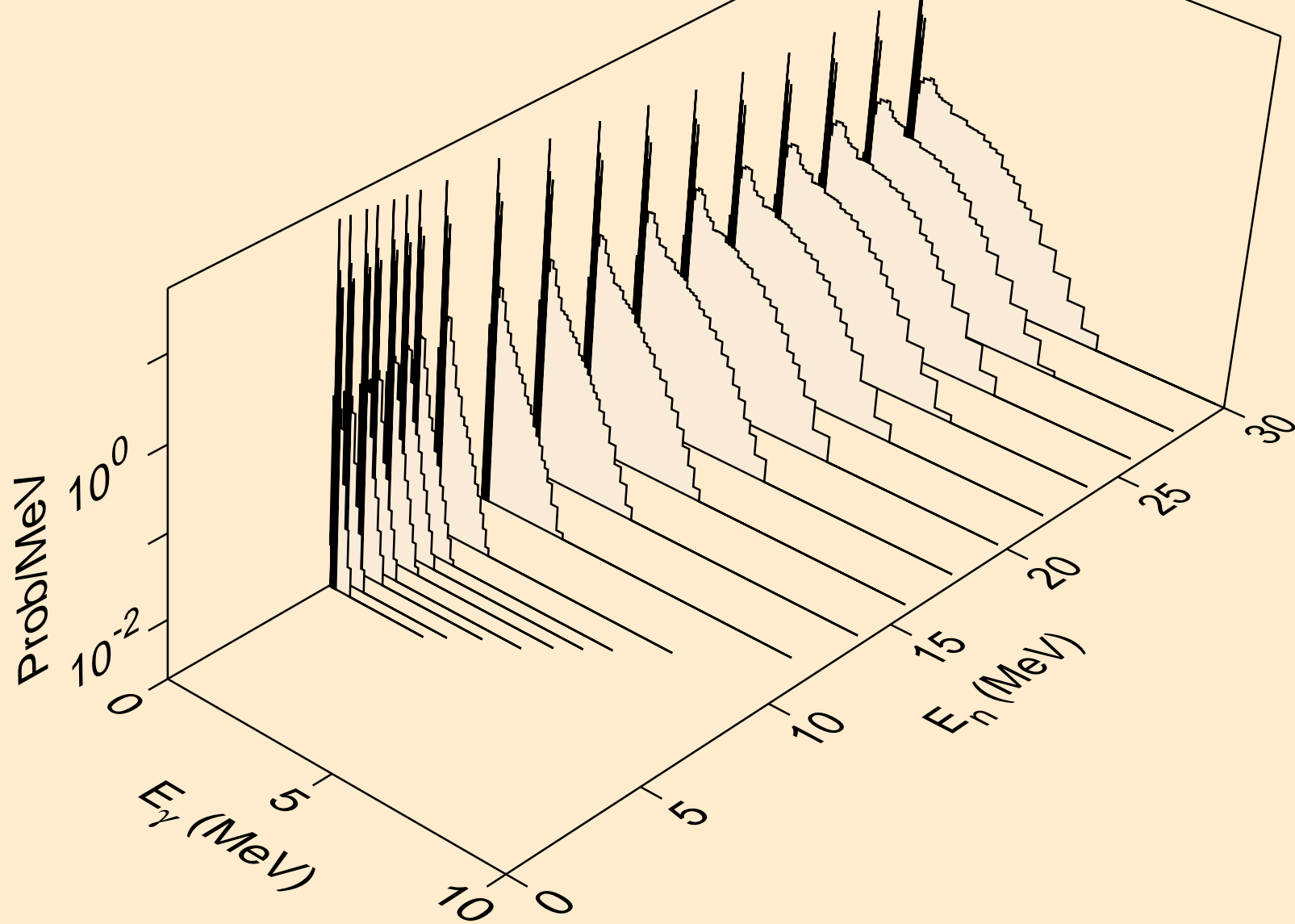
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Photon emission for (n,t2a)



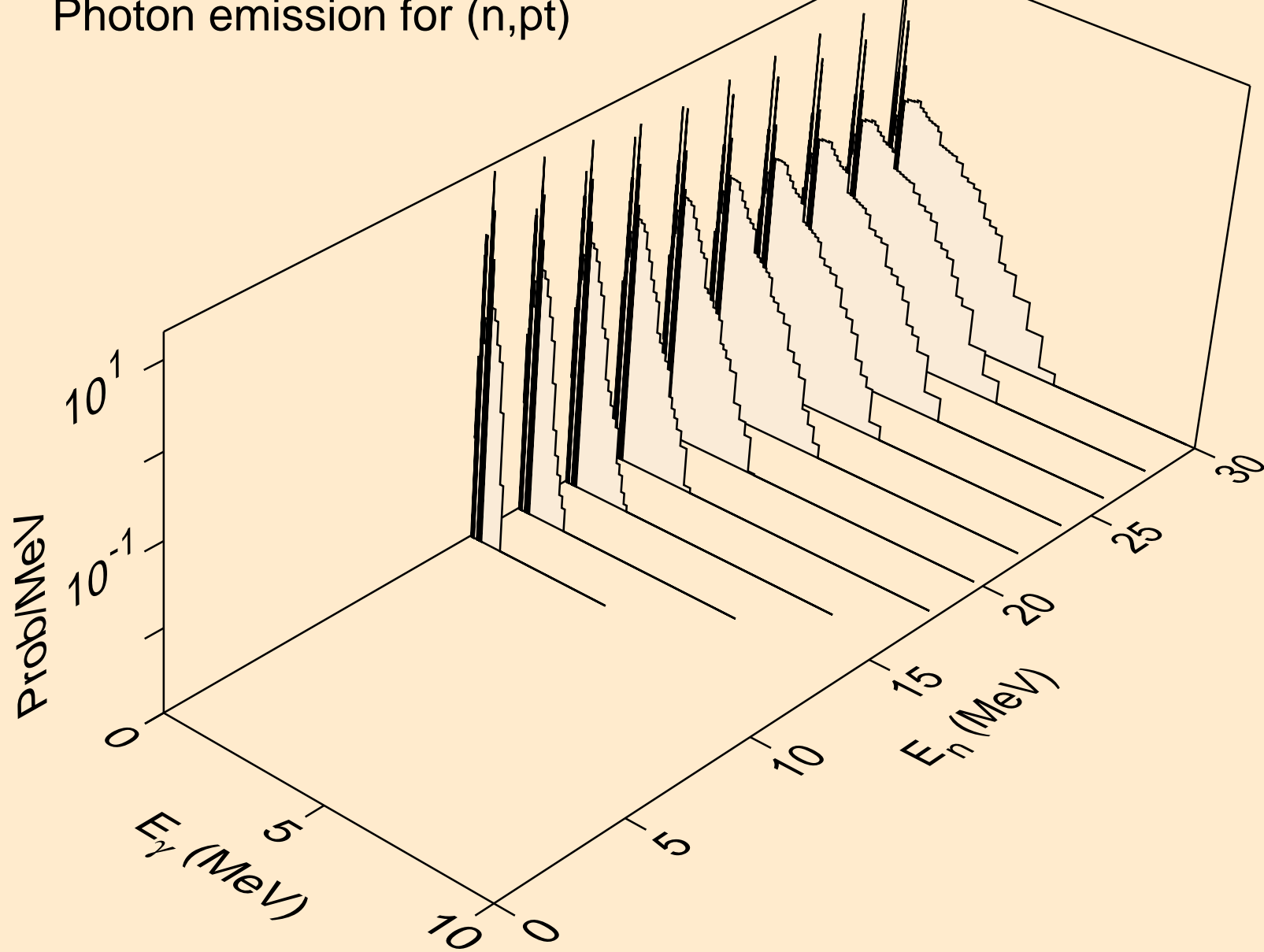
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d2a)



AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pd)

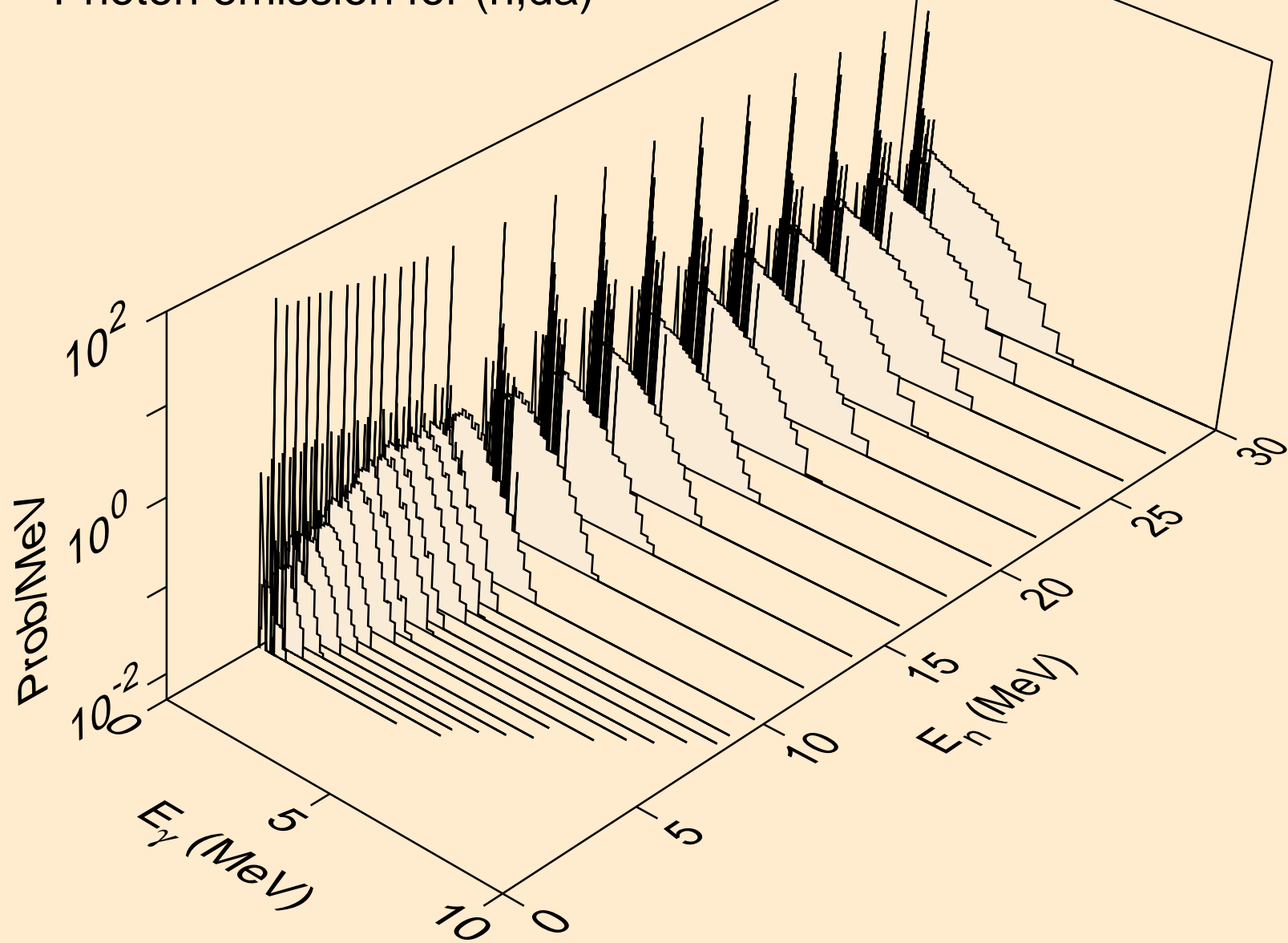


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Photon emission for (n,pt)

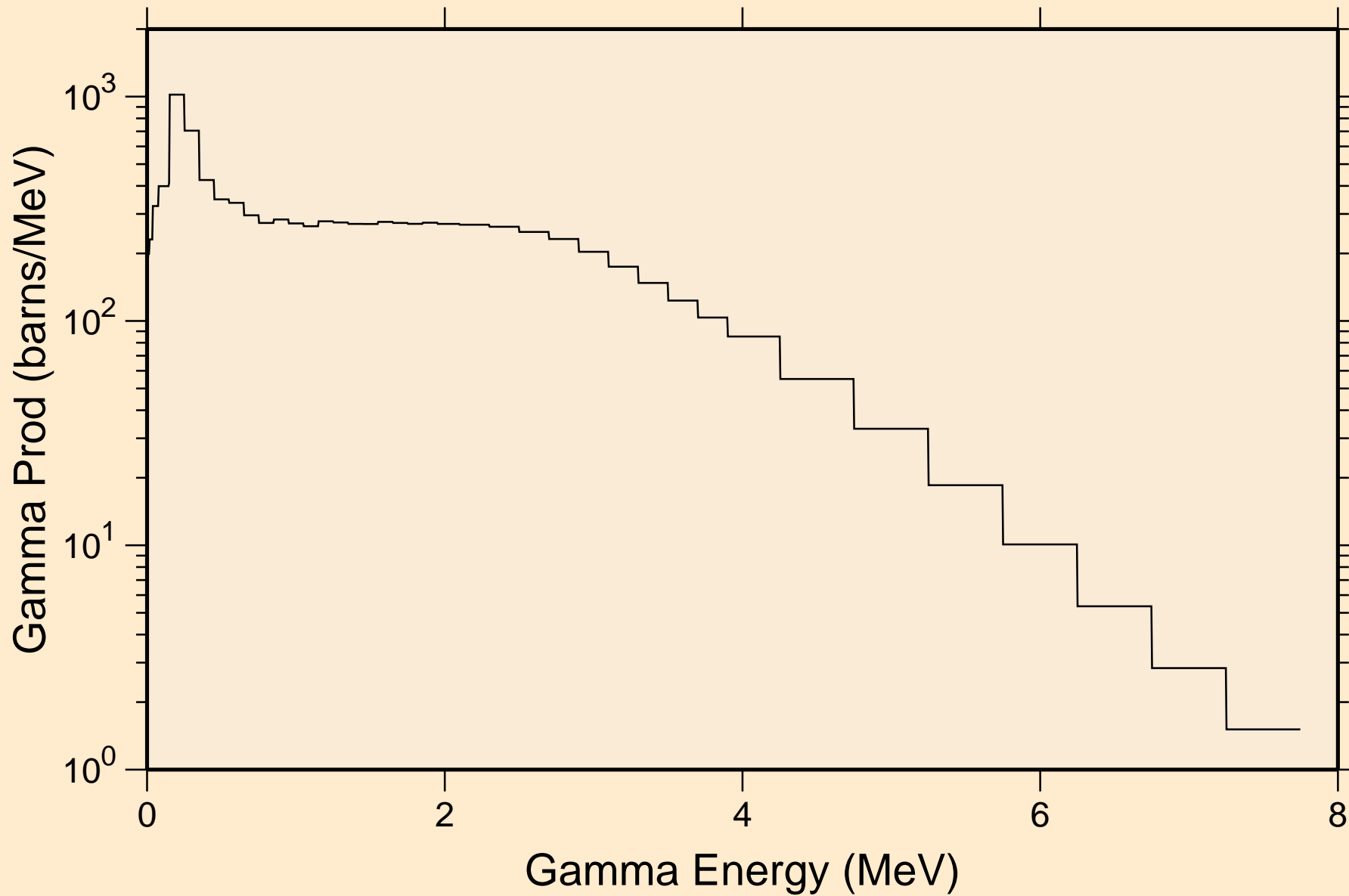




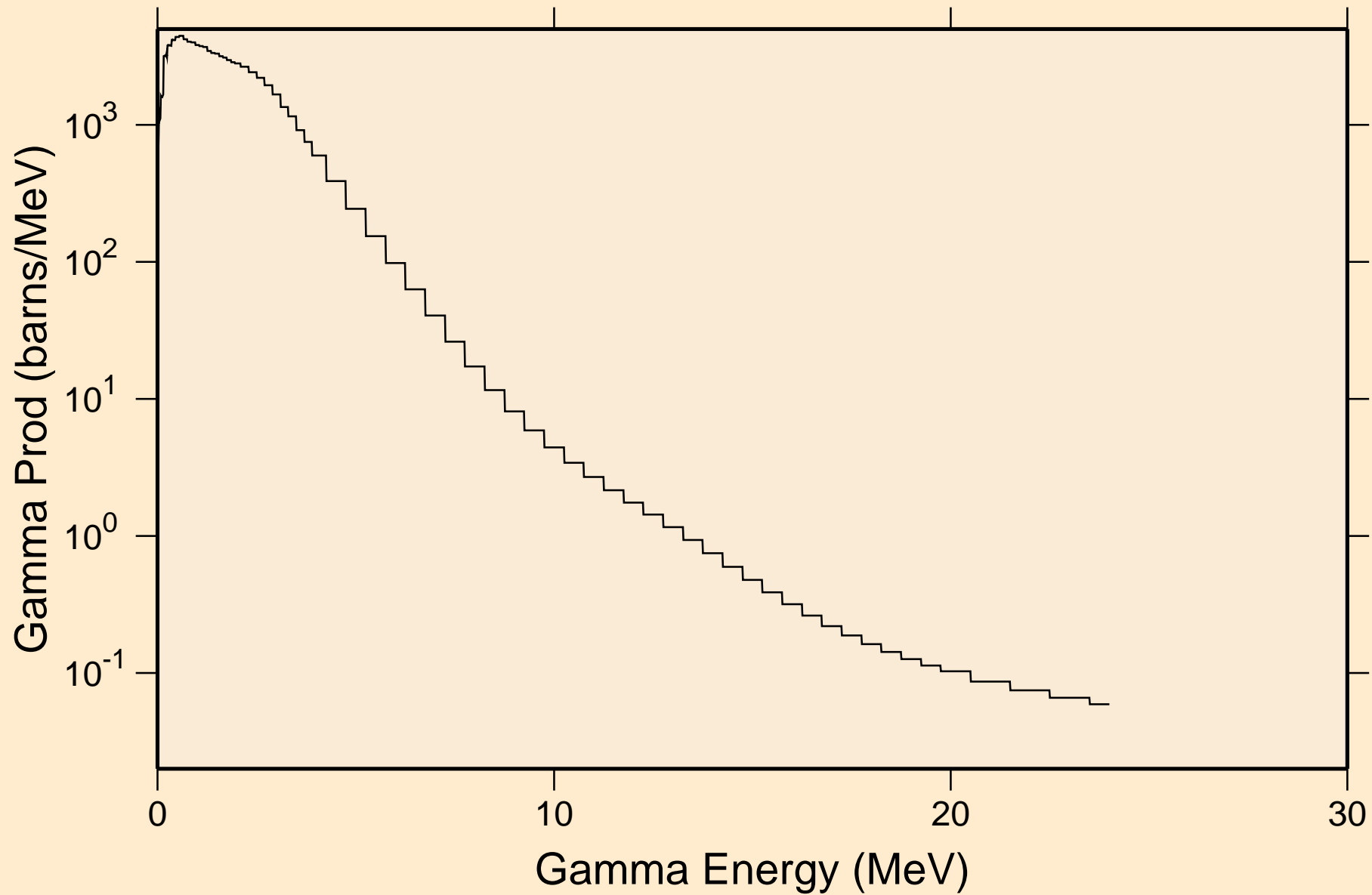
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Photon emission for (n,da)



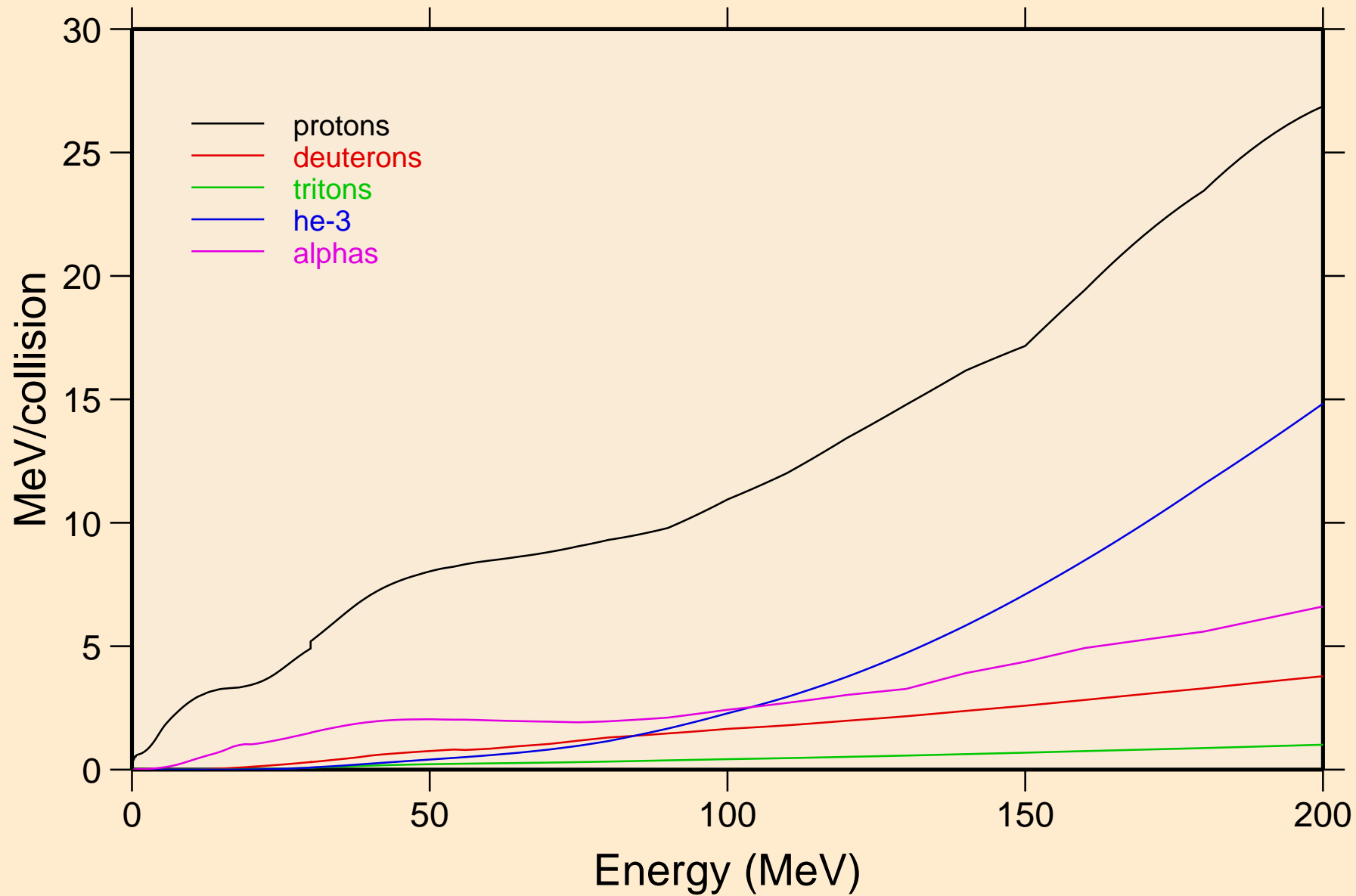
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum



AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum

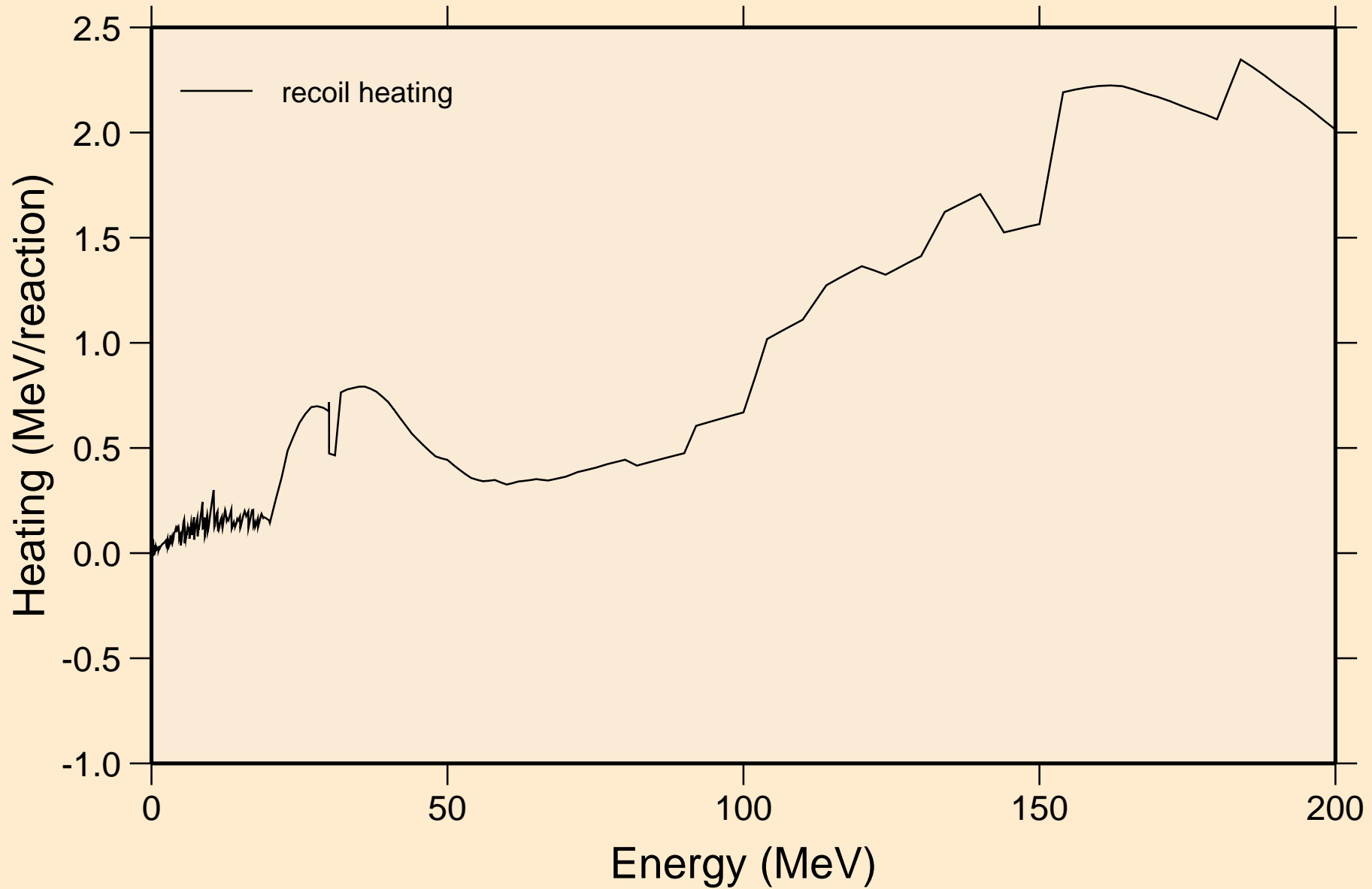


AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle heating contributions

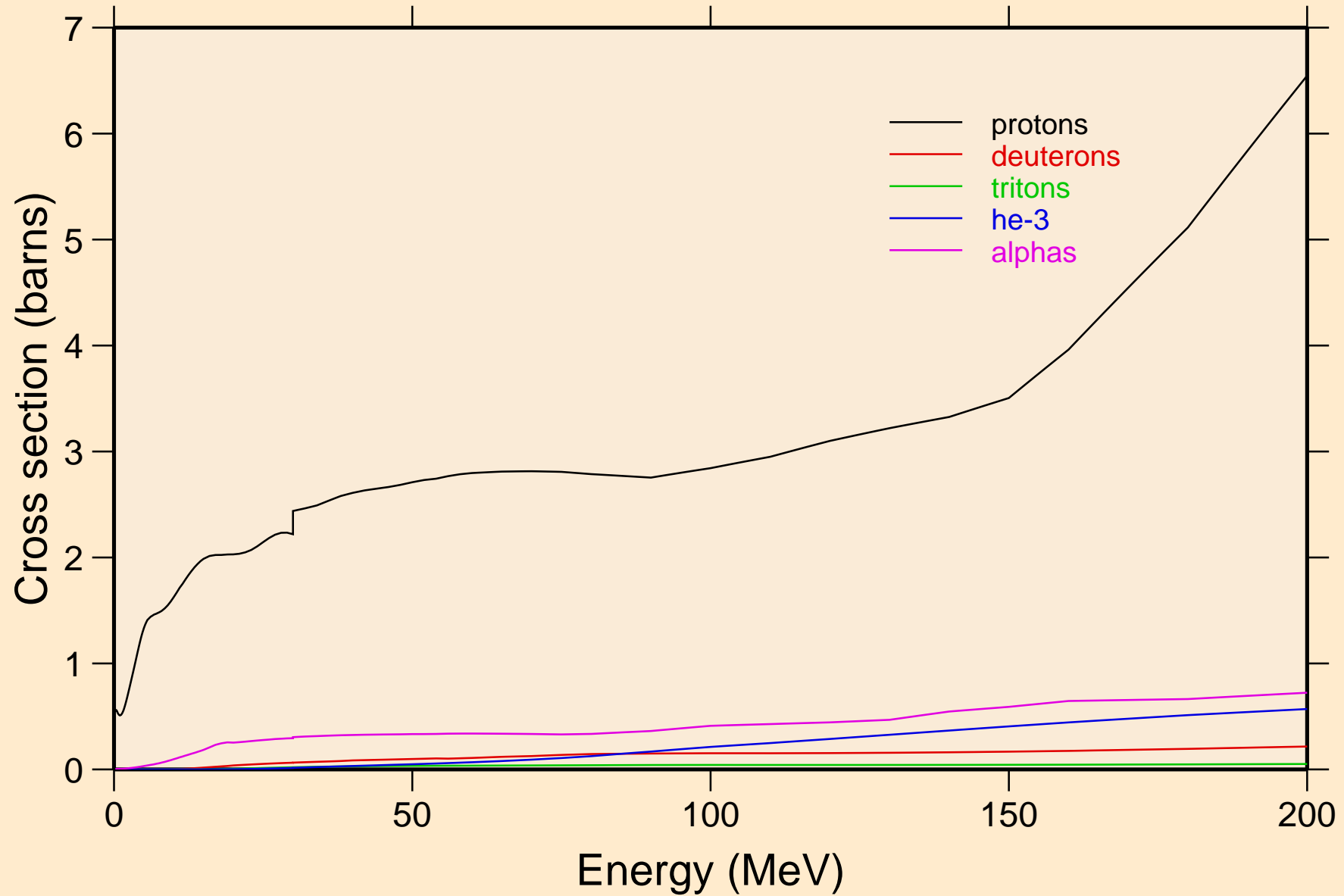


# AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

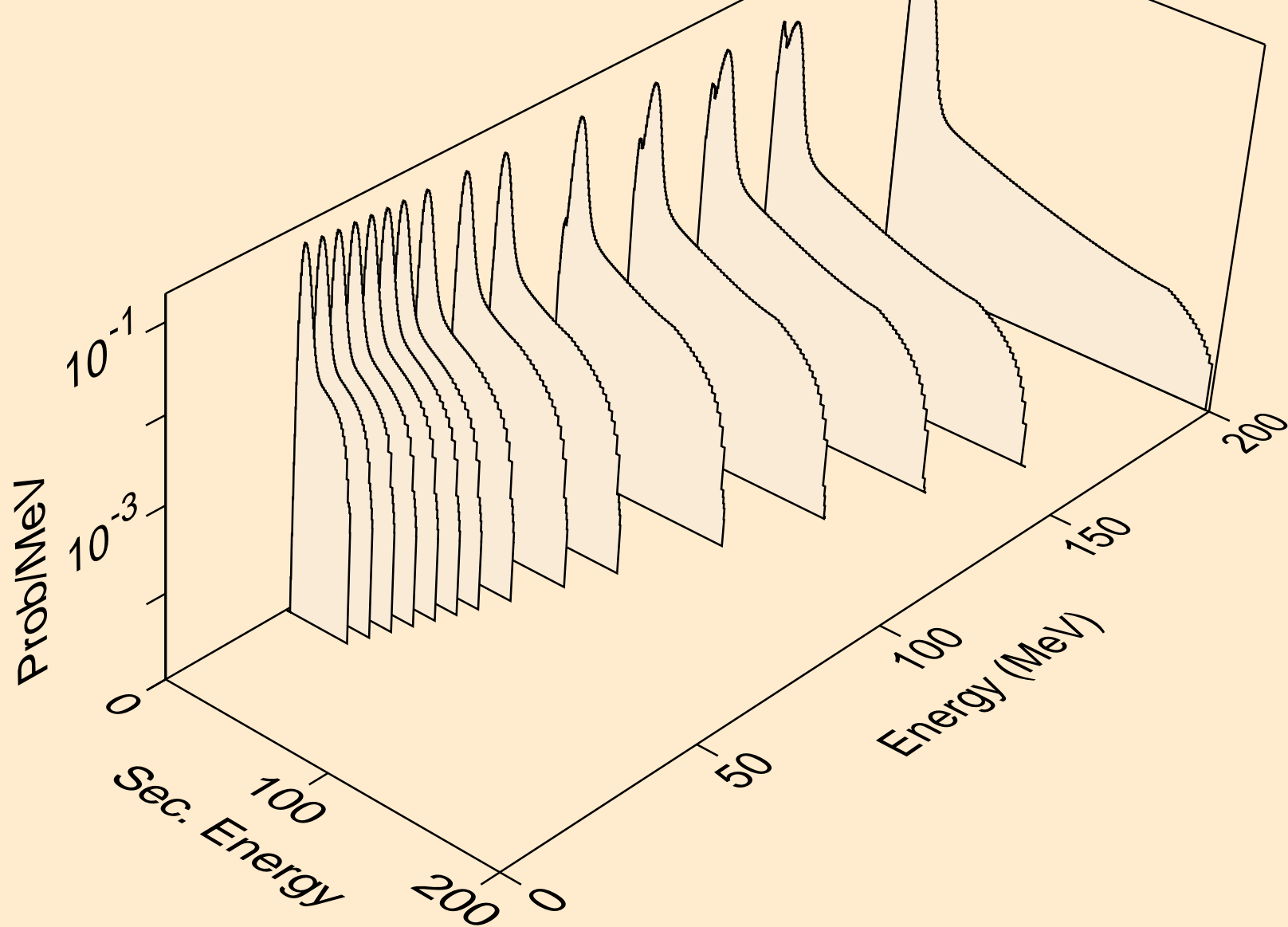
## Recoil Heating



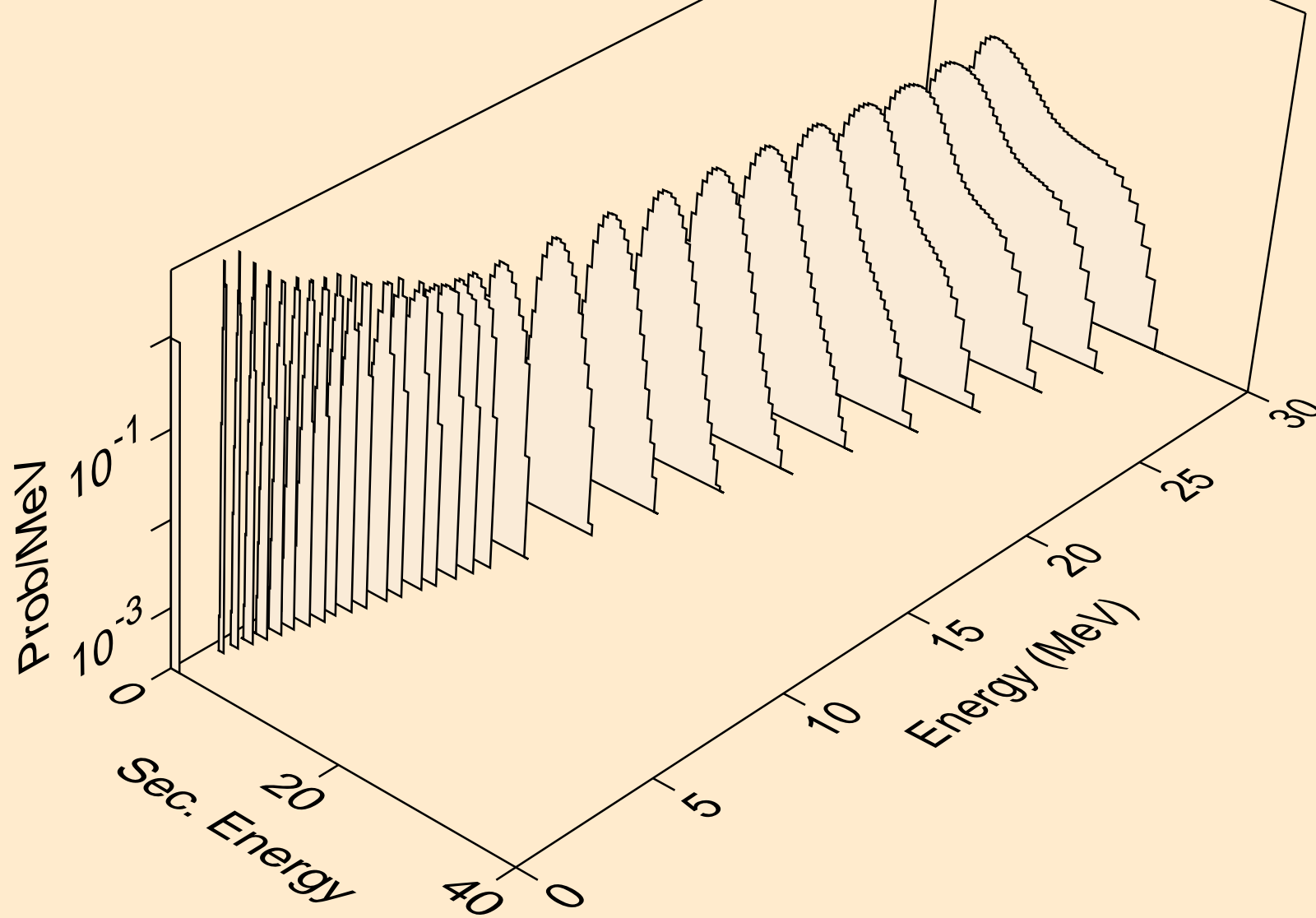
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle production cross sections



AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)

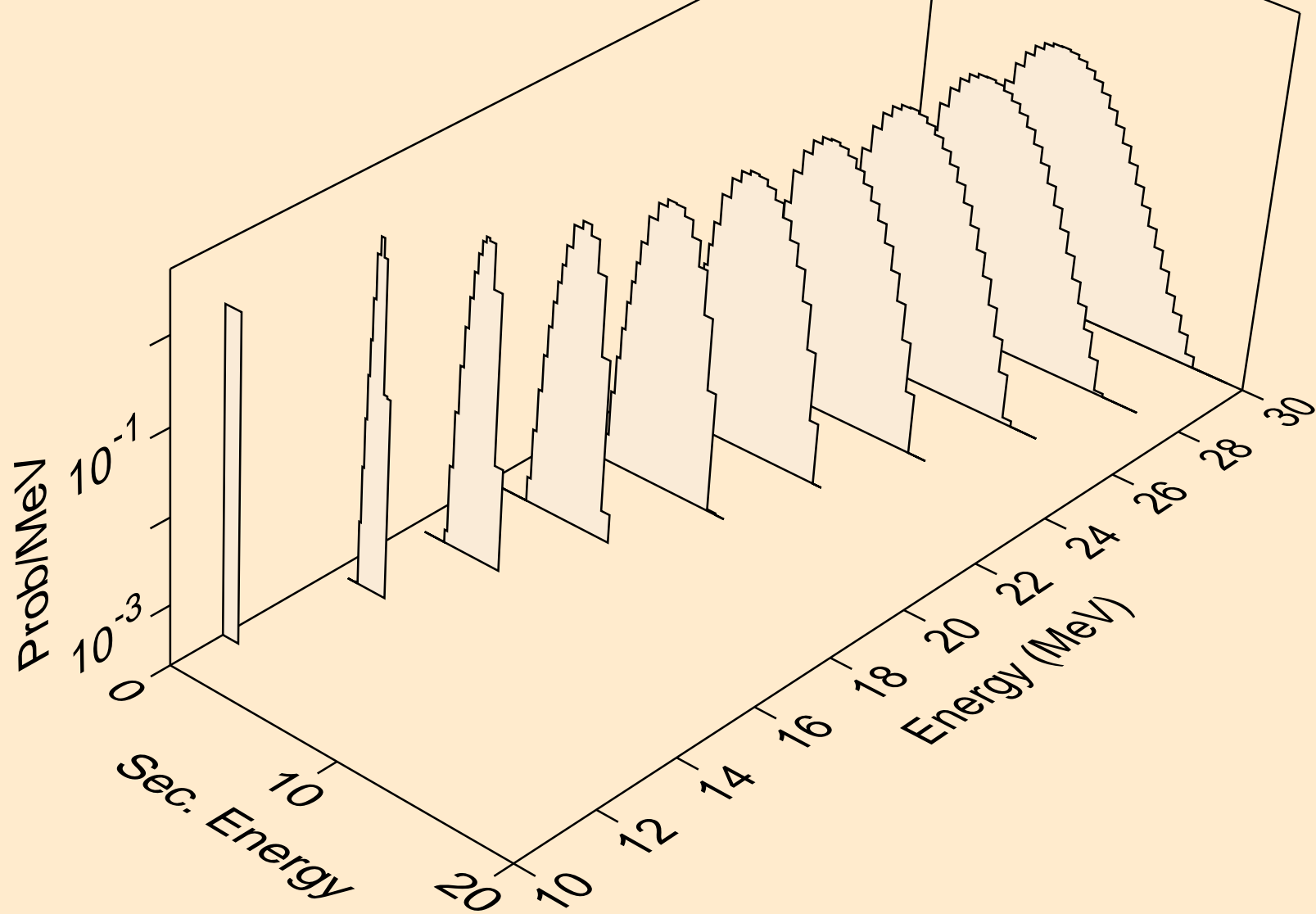


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protons from (n,n\*)p

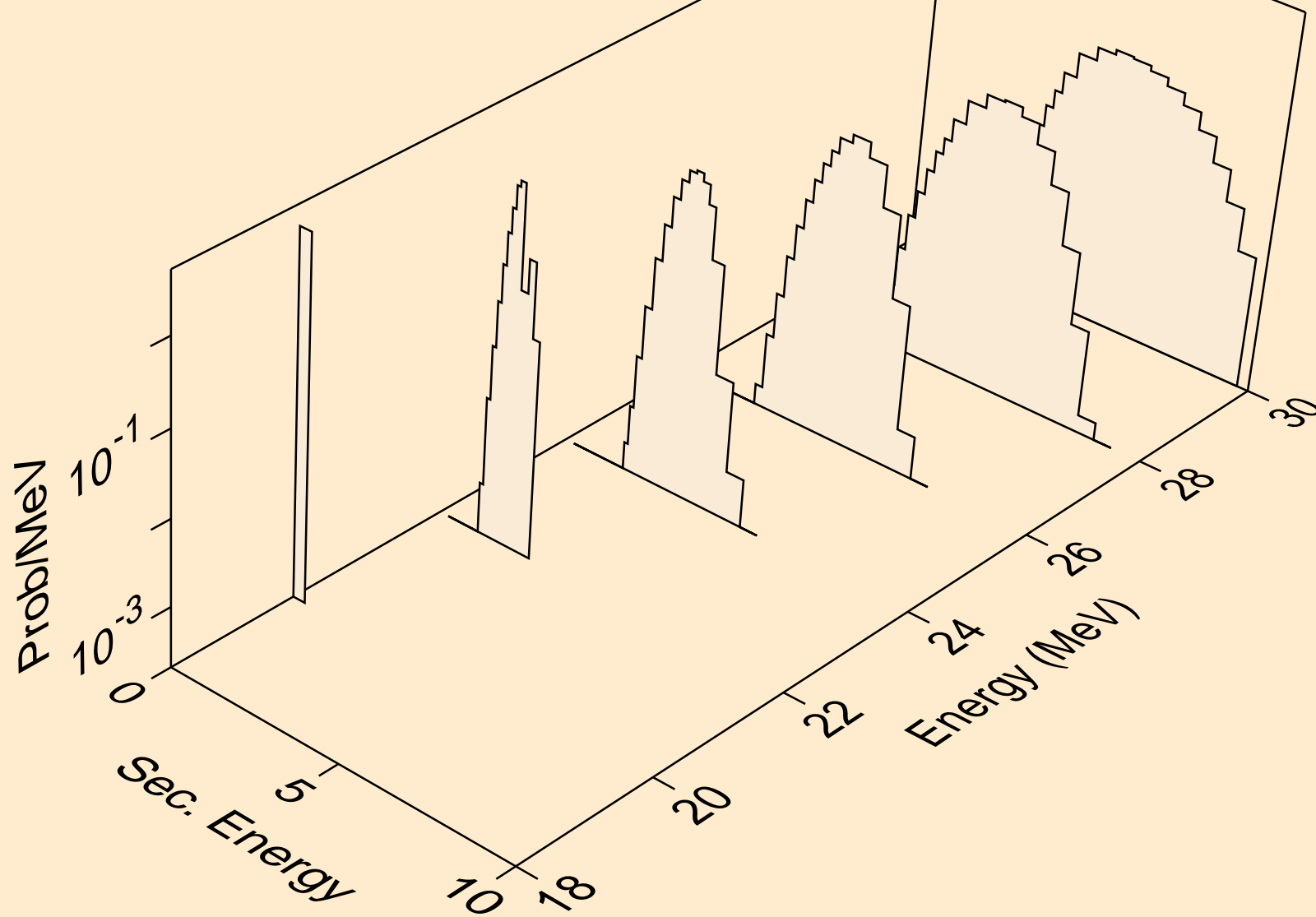




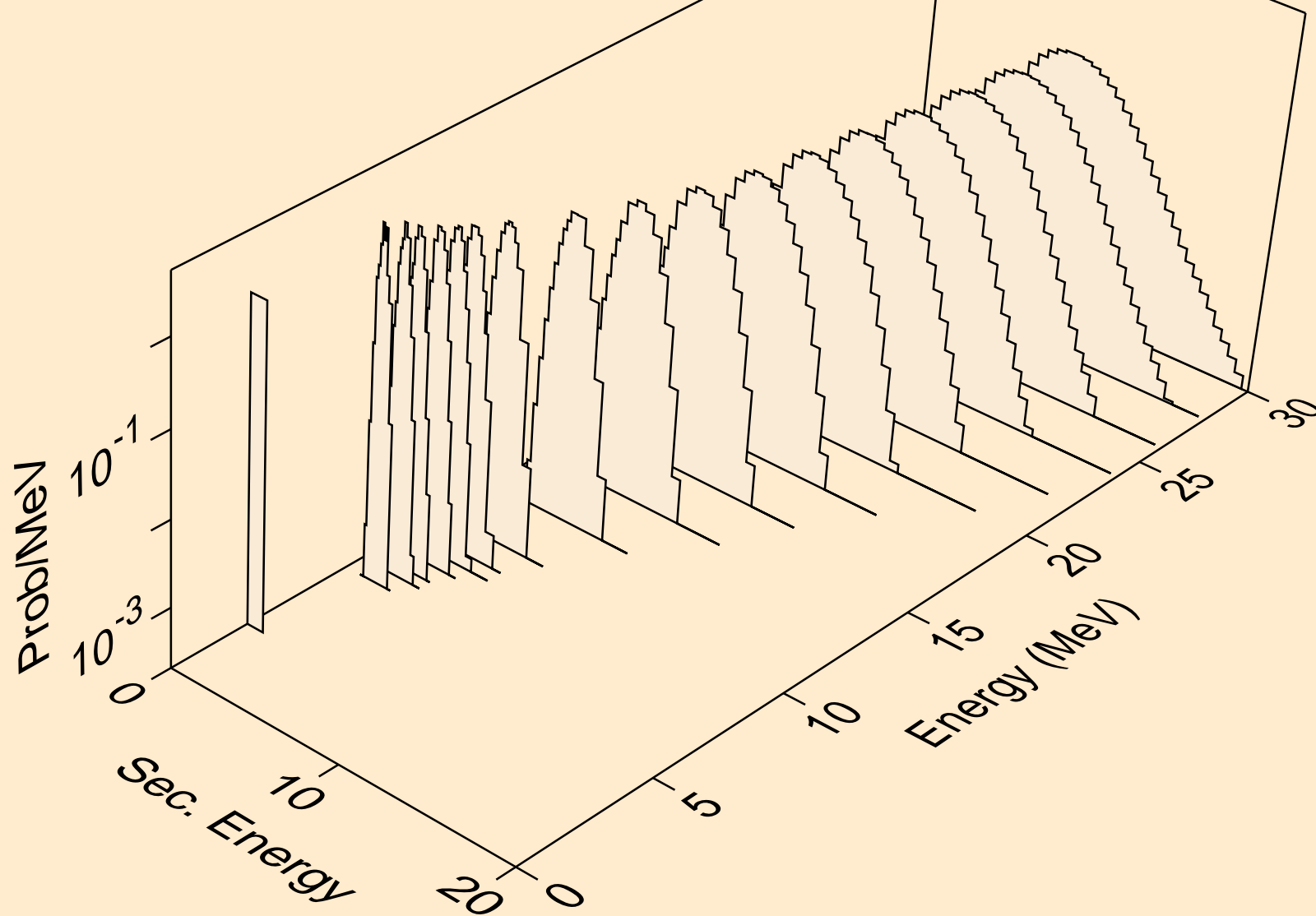
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)



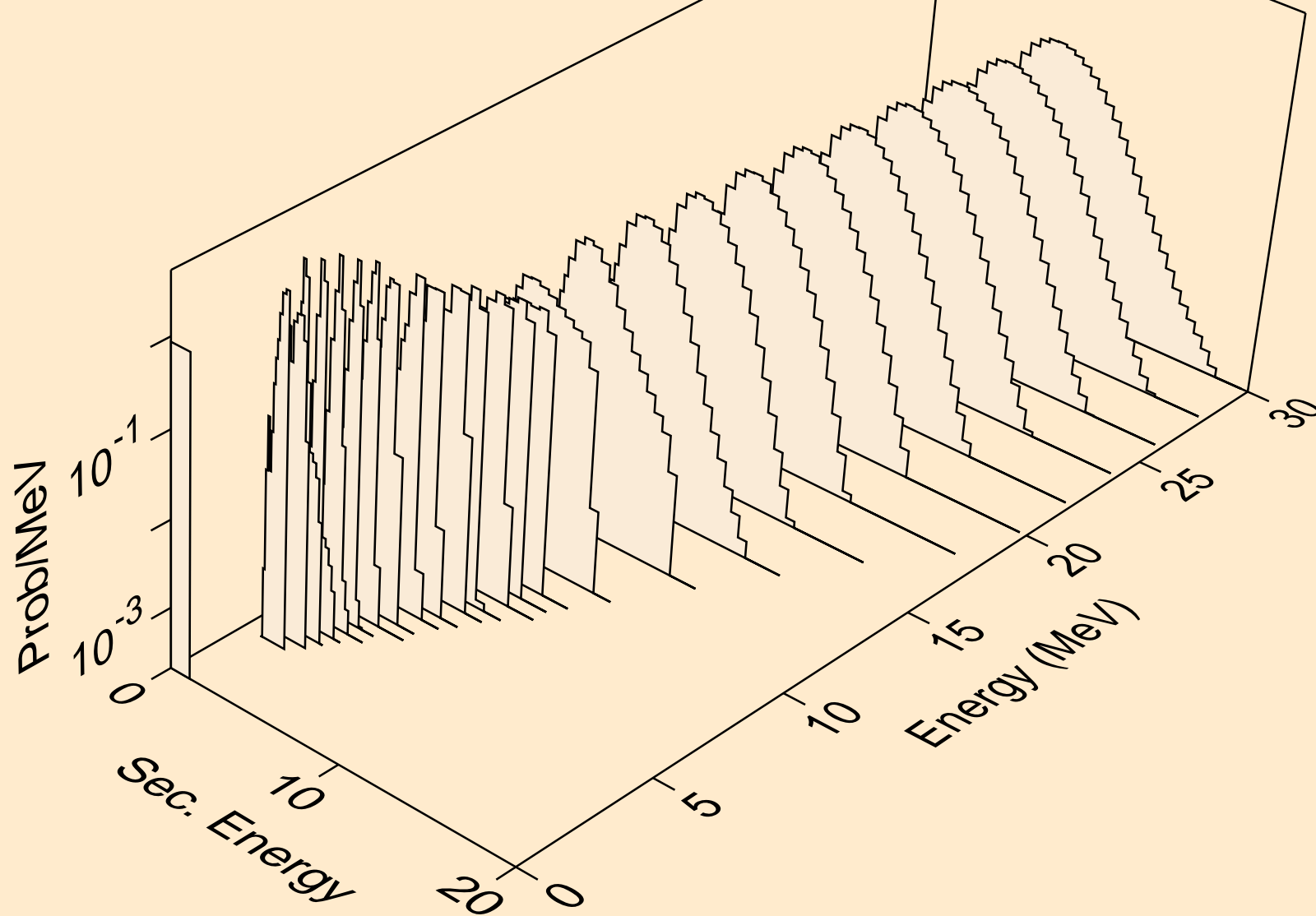
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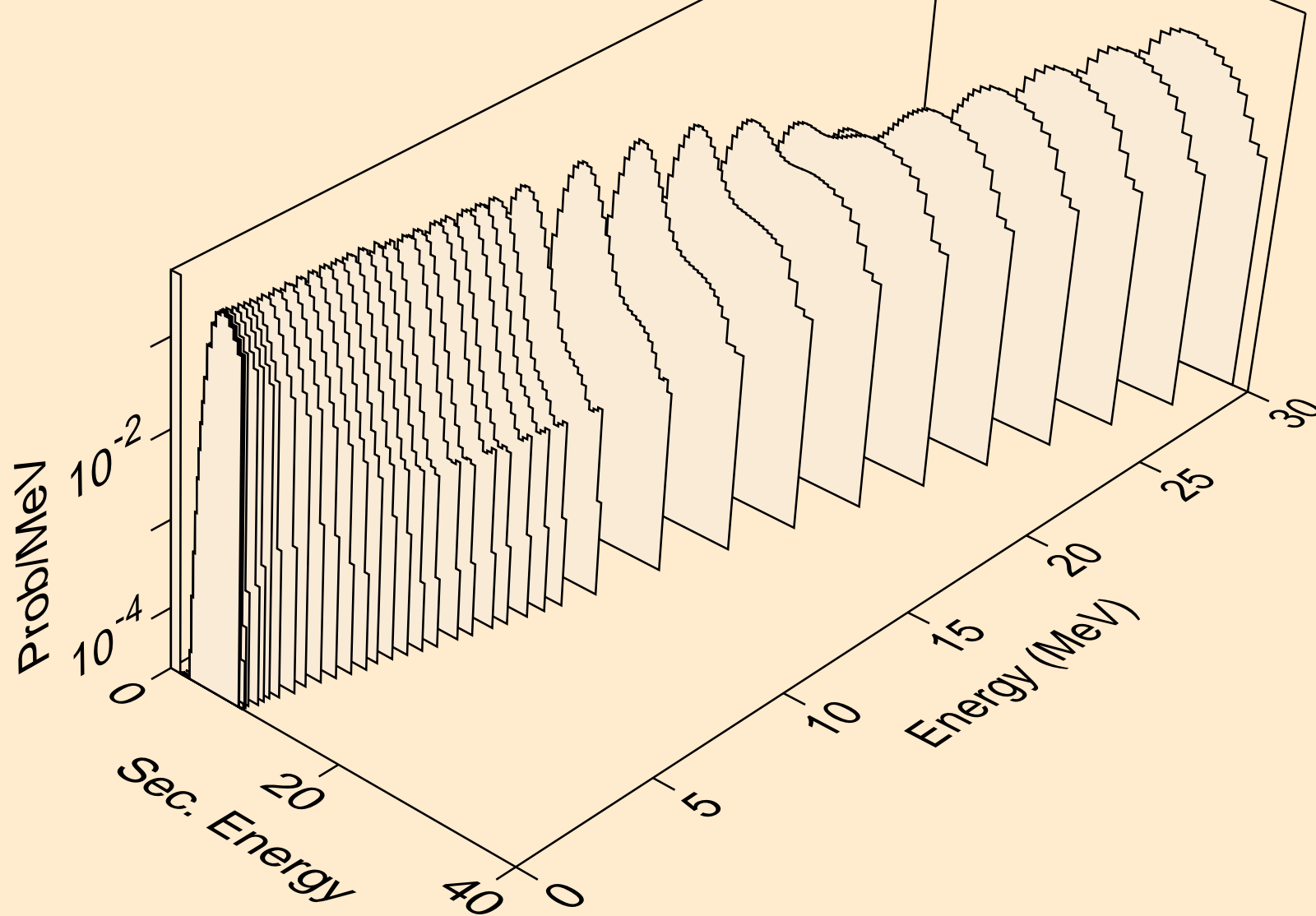
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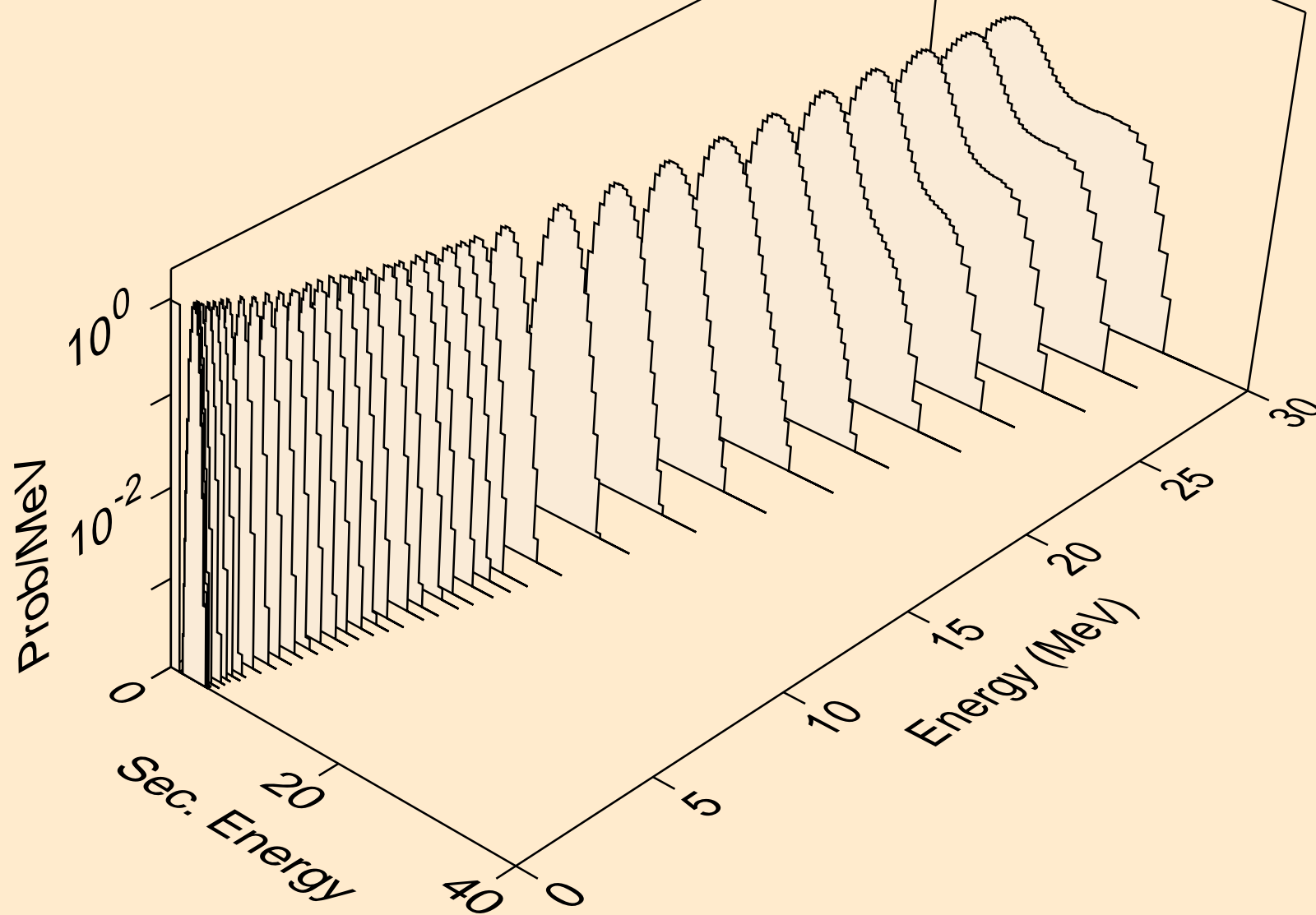
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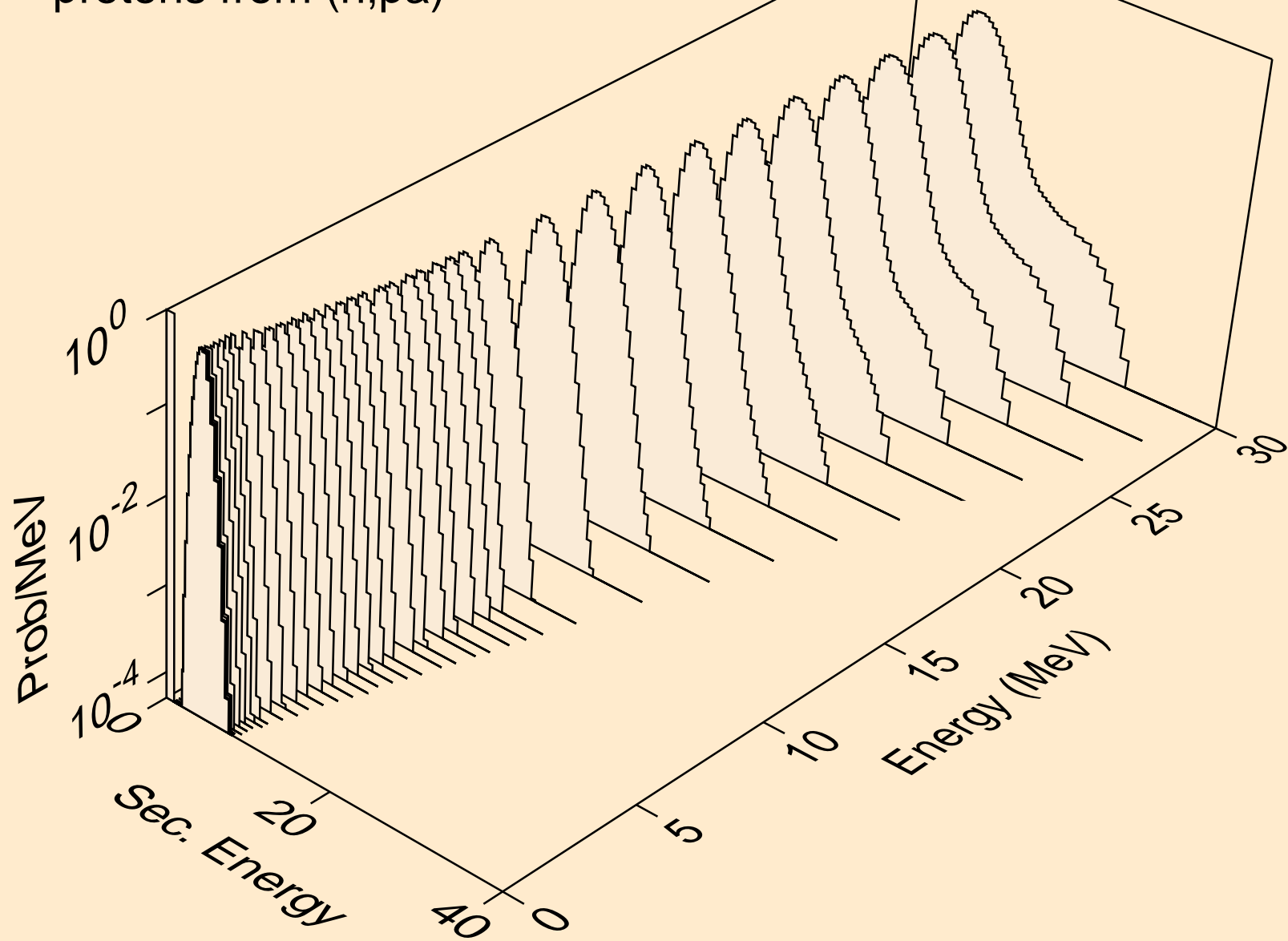
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protons from (n,p)



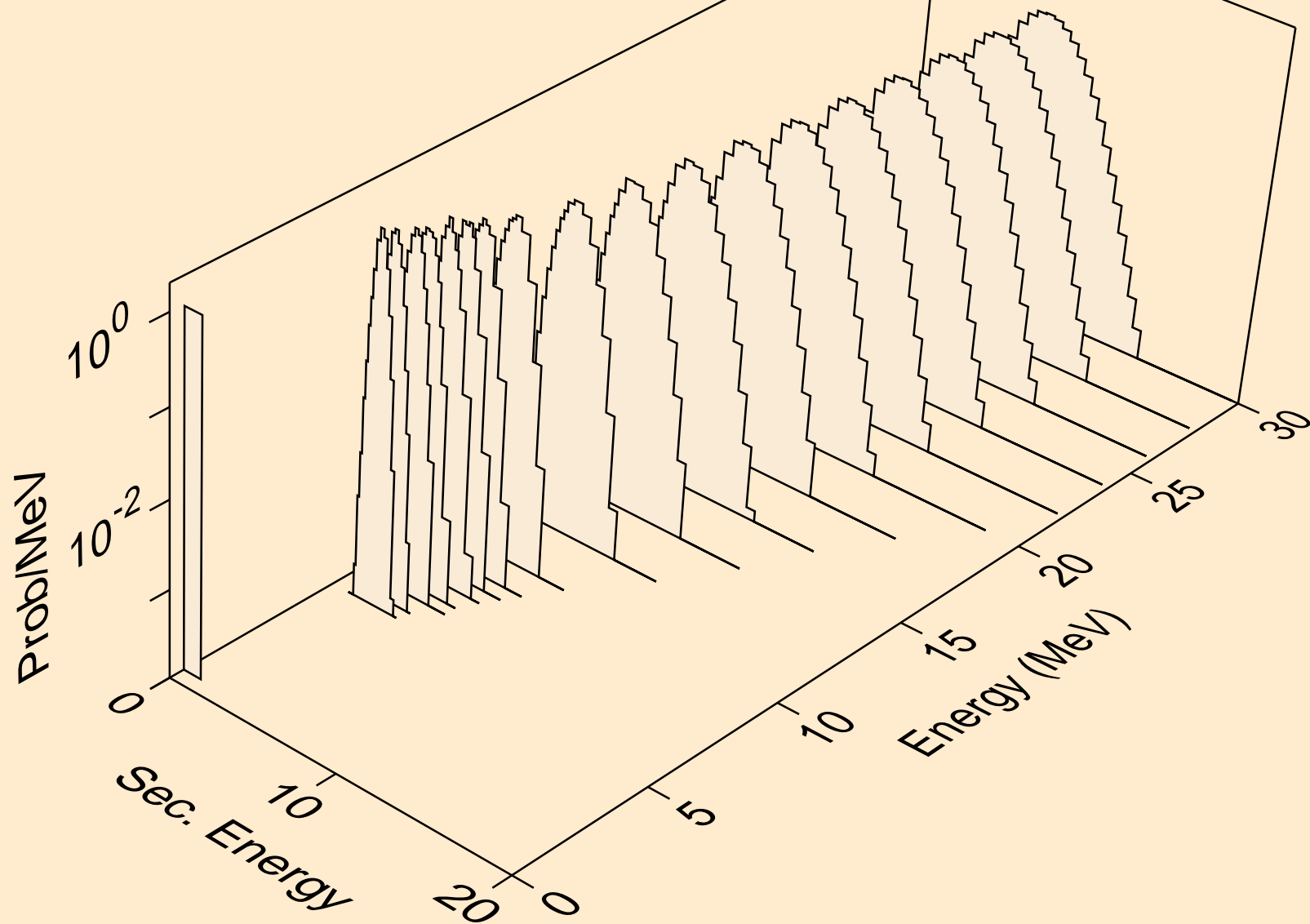
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protons from (n,2p)



AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)

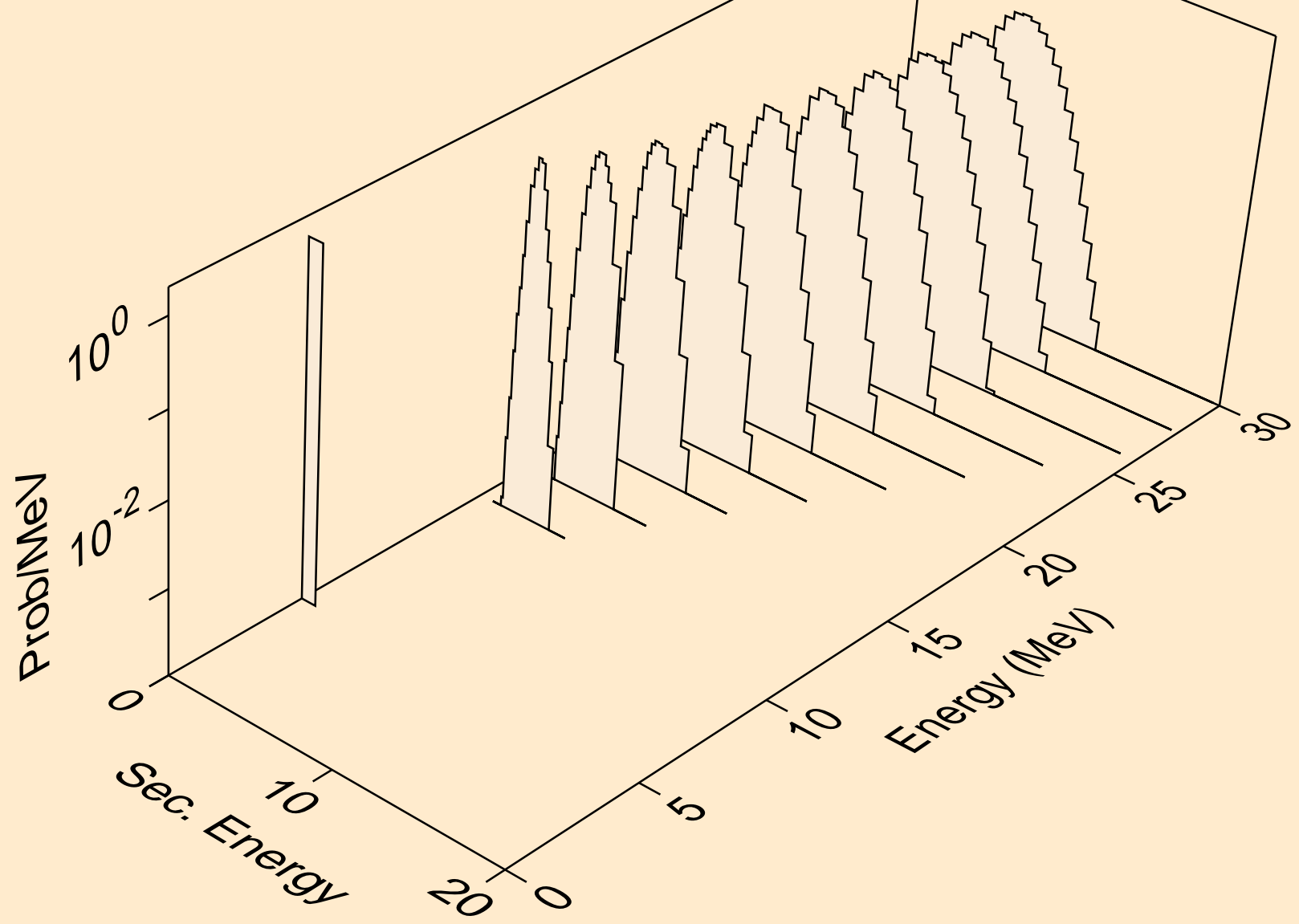


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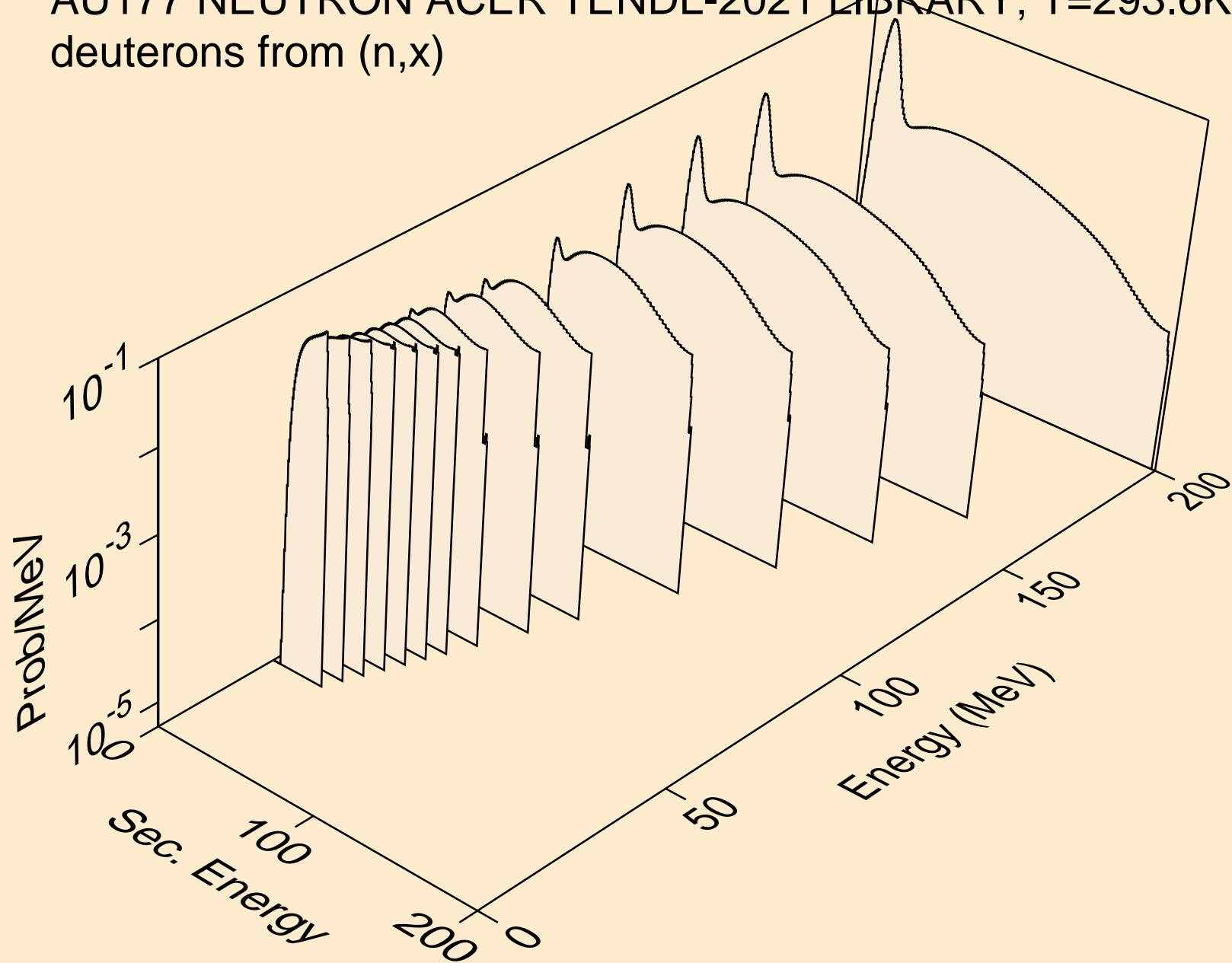




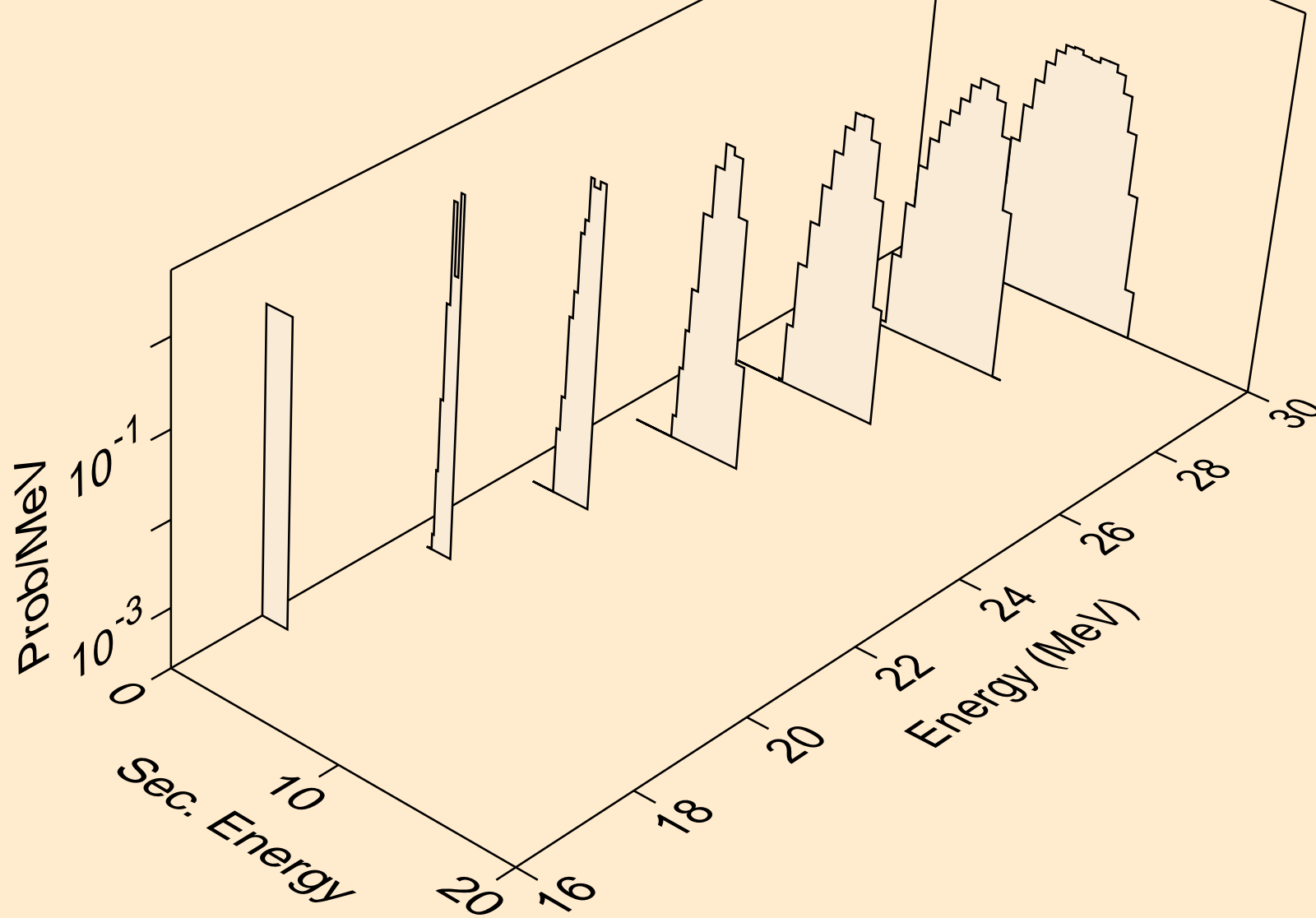
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protons from (n,pt)



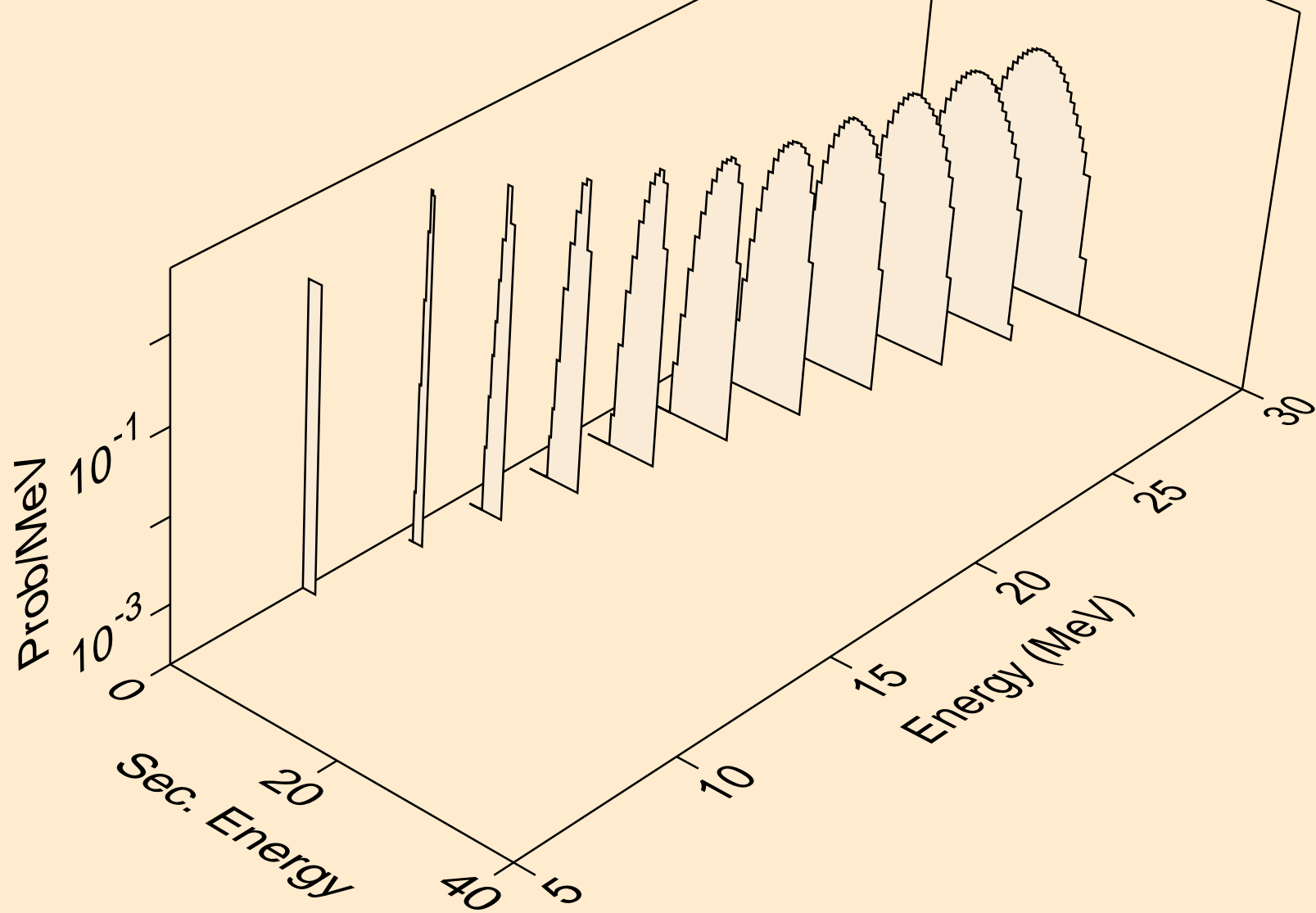
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deuterons from (n,x)



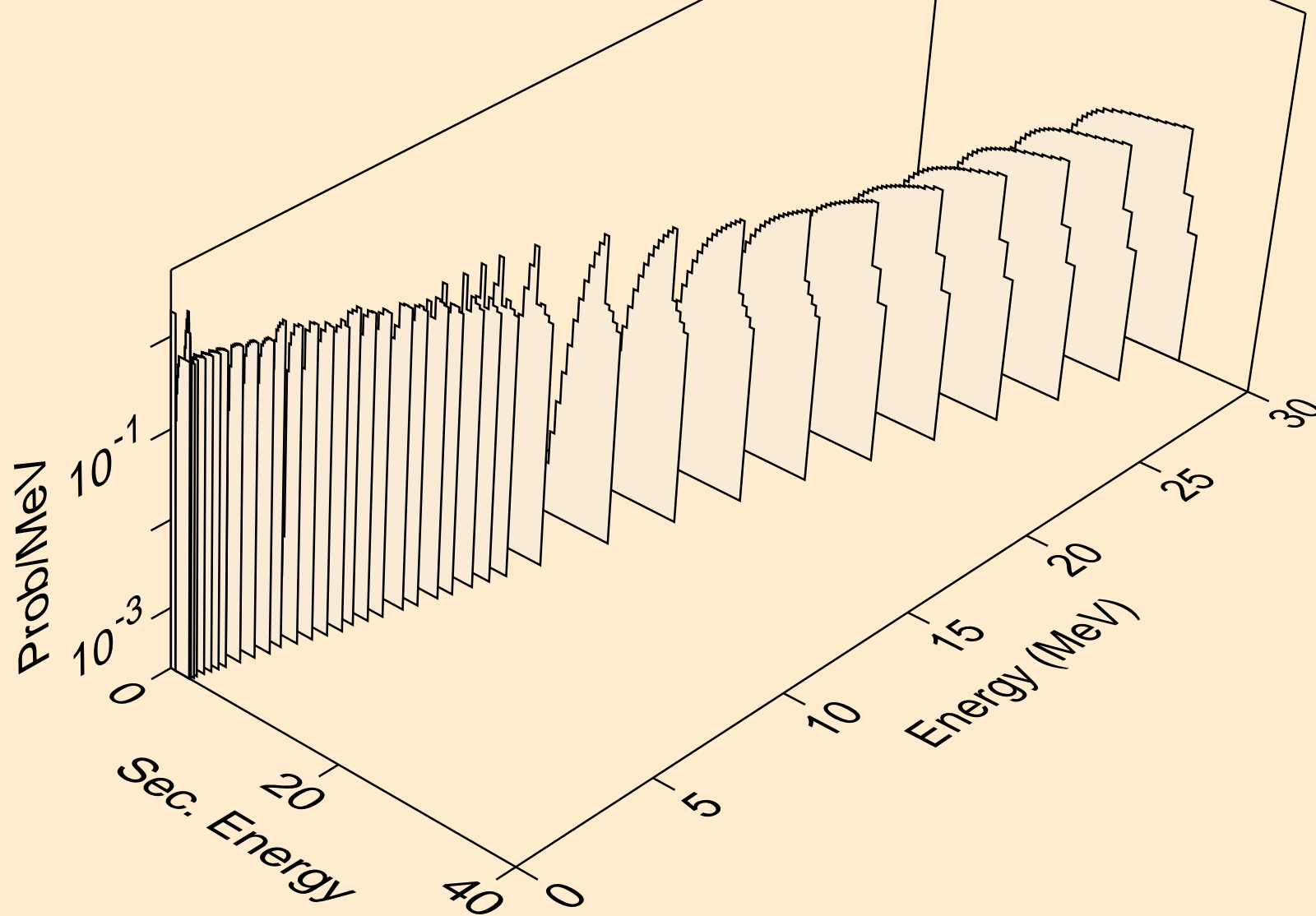
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deuterons from (n,2nd)



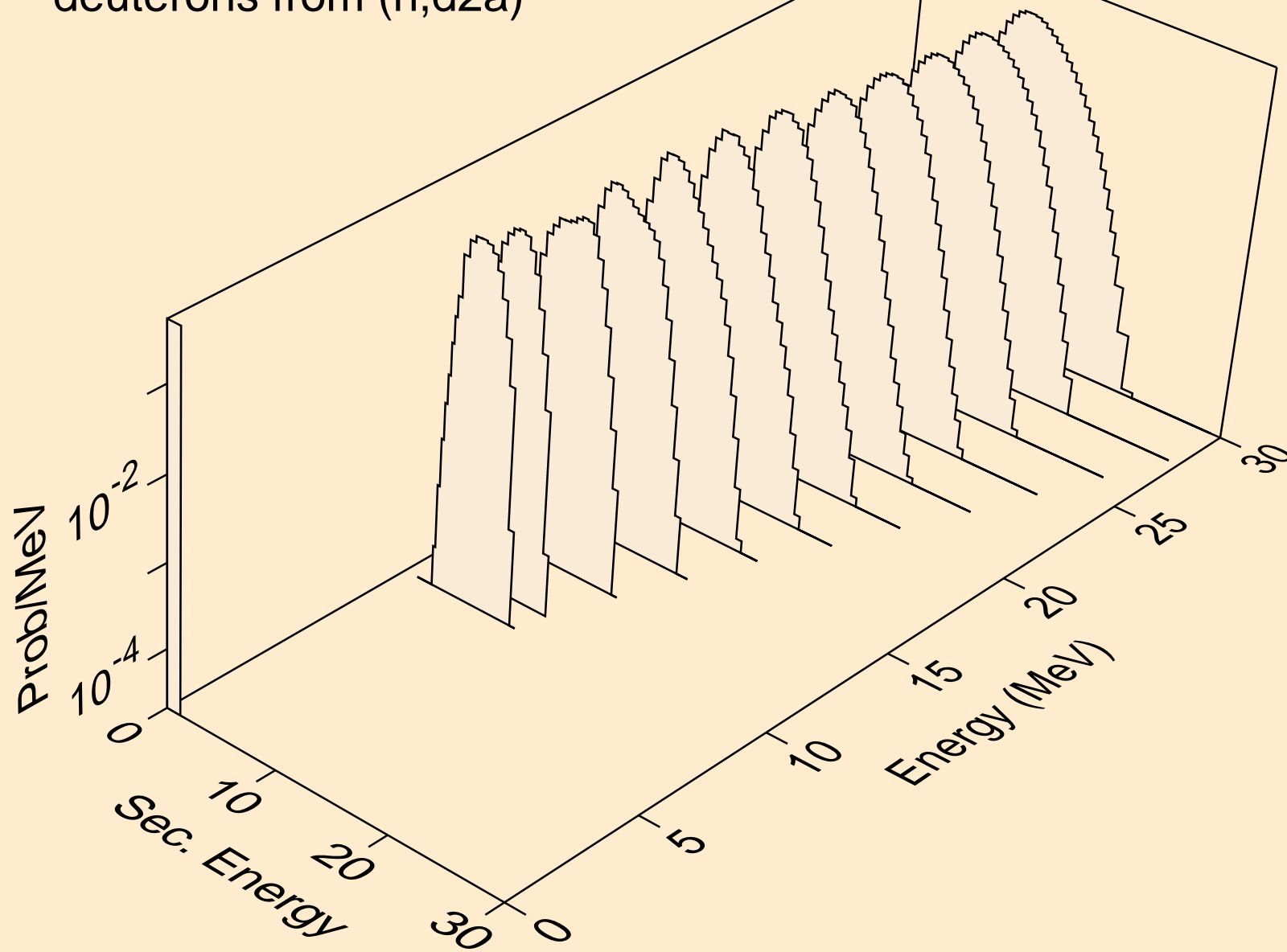
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deuterons from (n,n\*)d



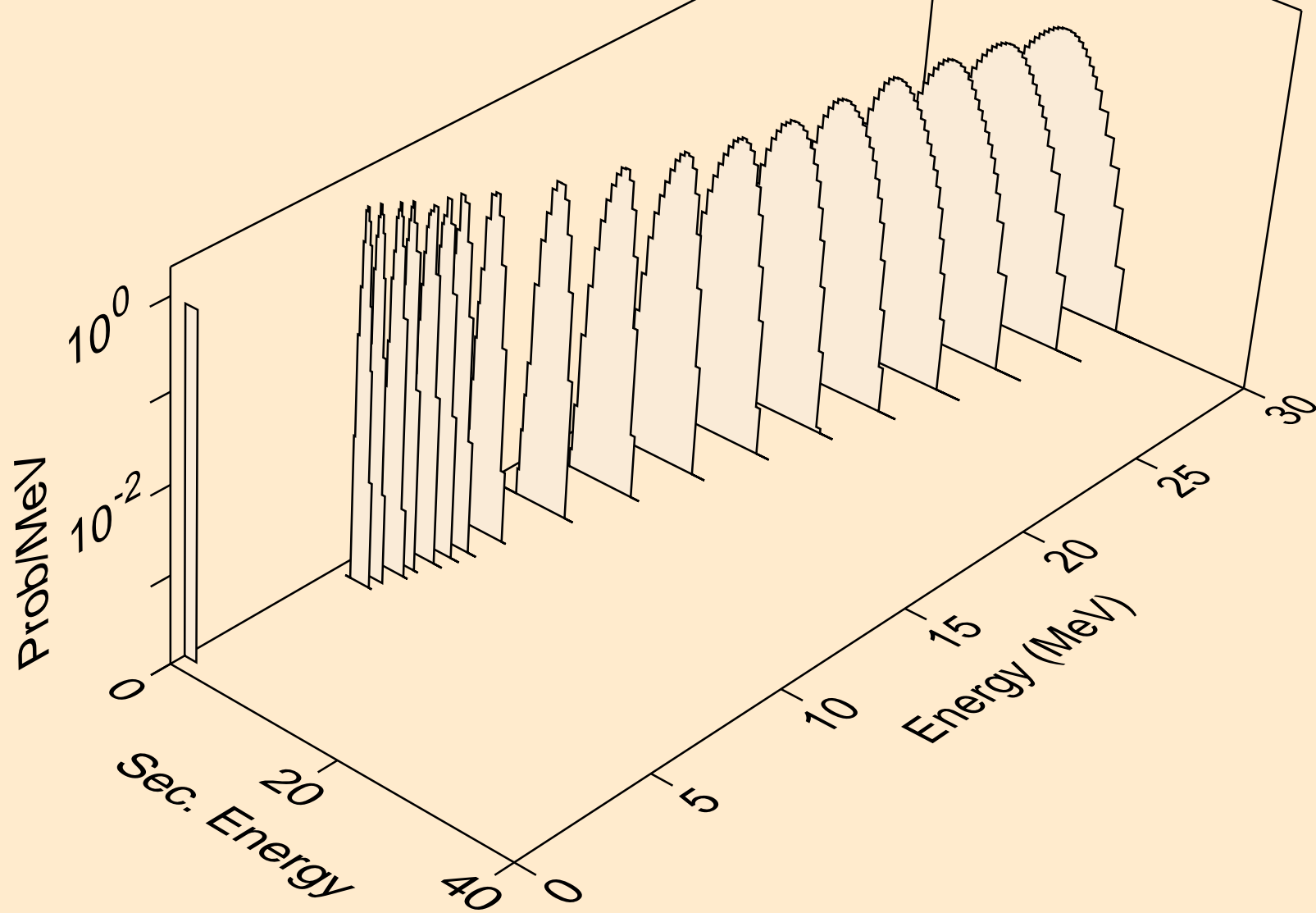
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deuterons from (n,d)



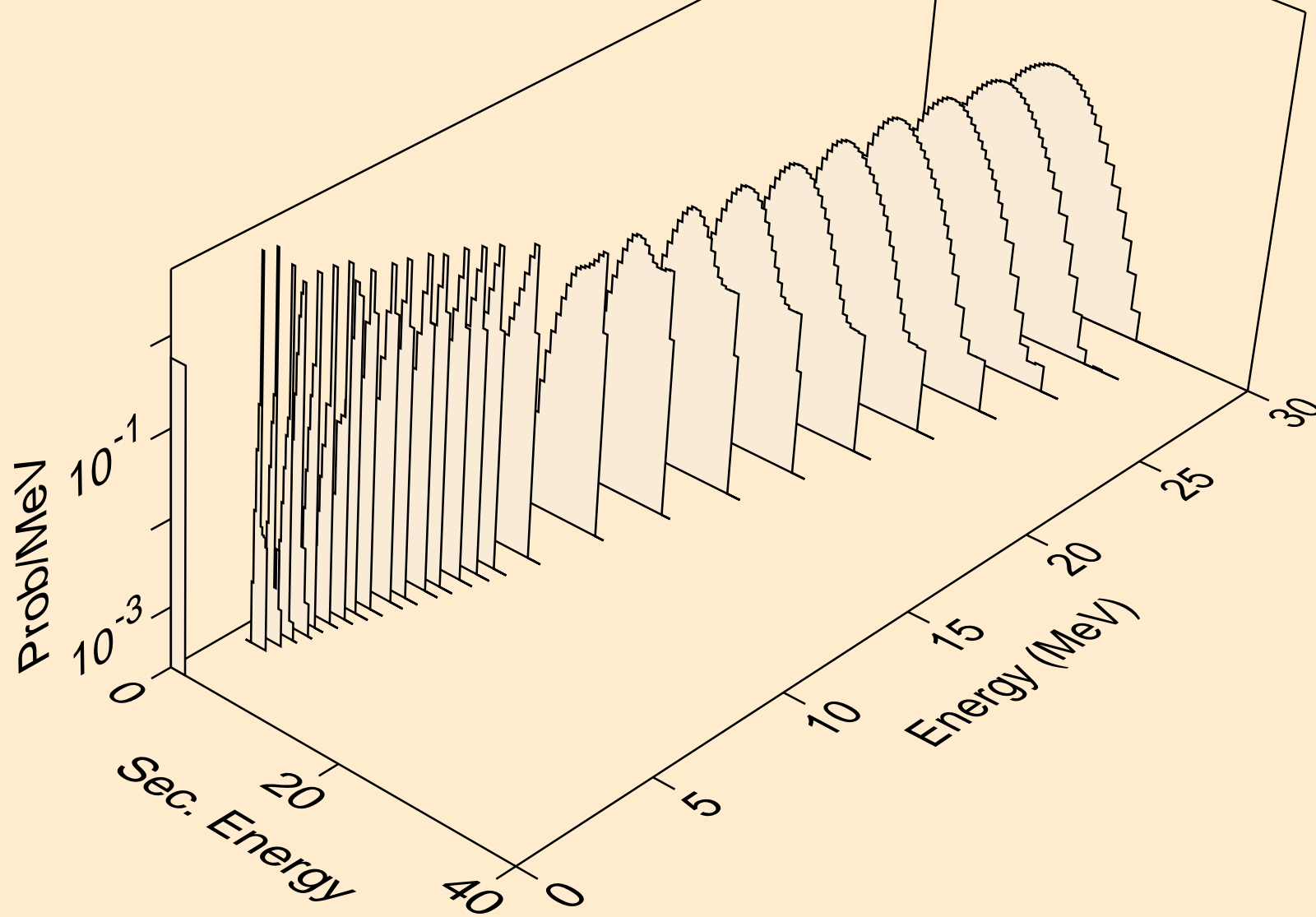
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deuterons from (n,d2a)



AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,pd)

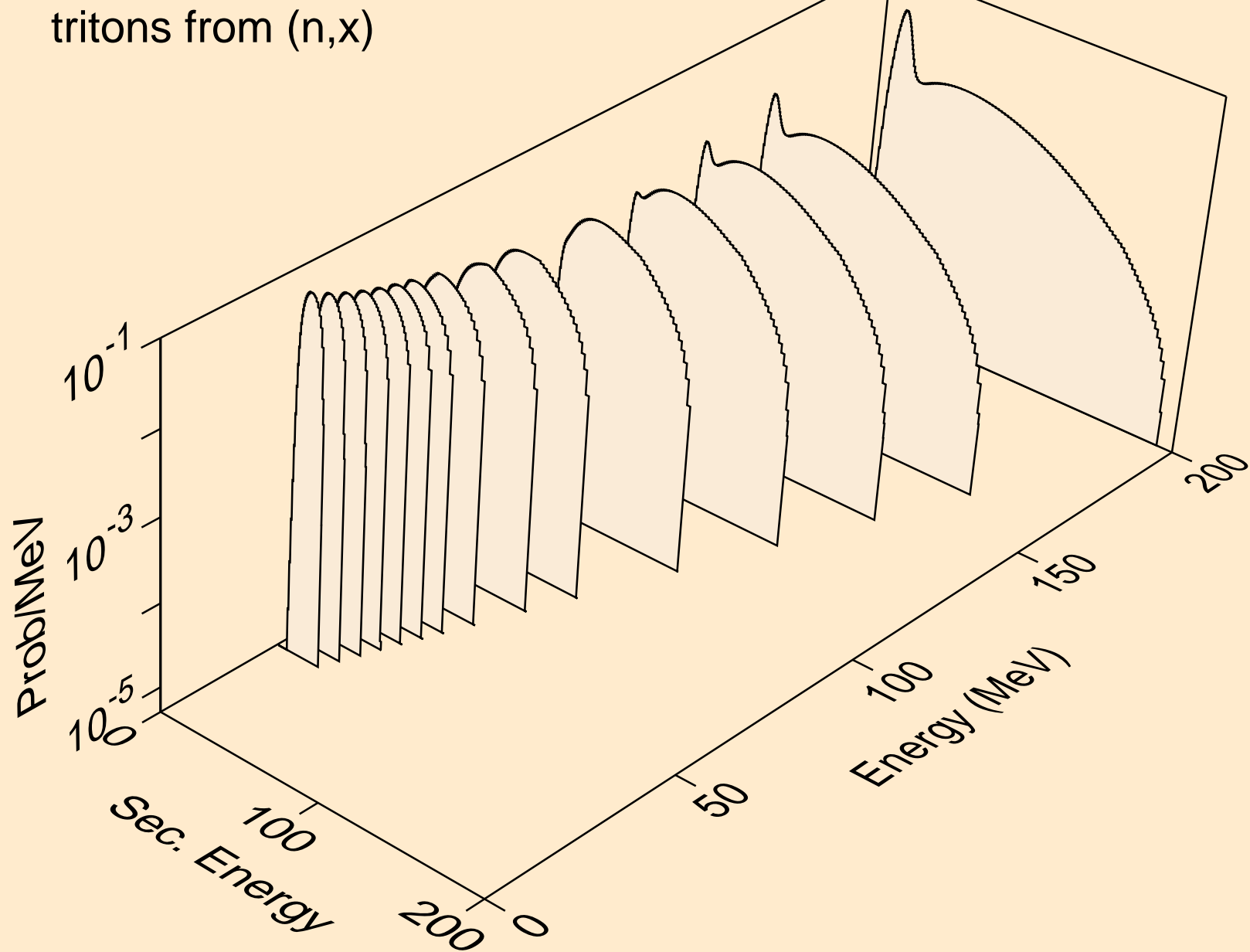


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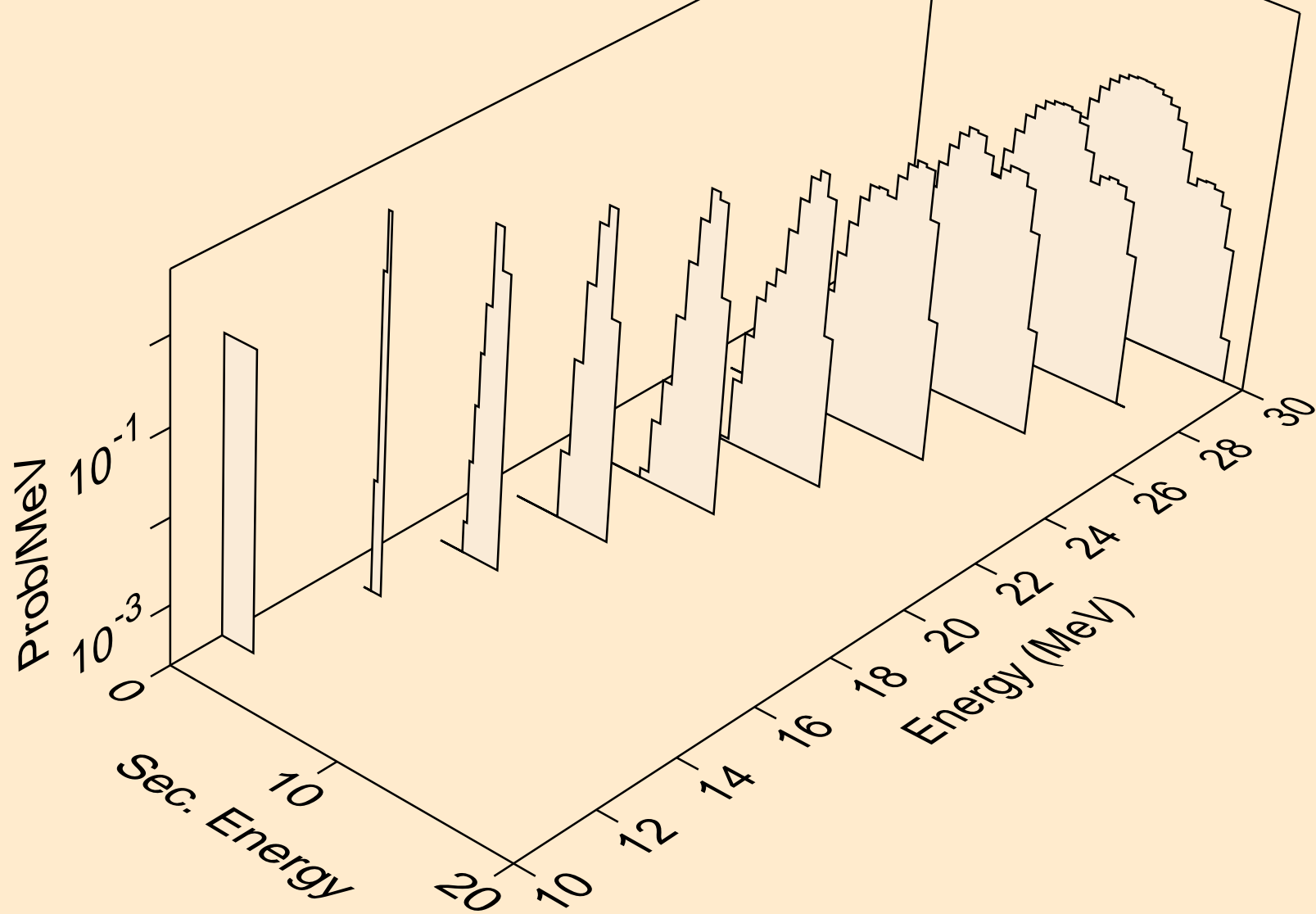




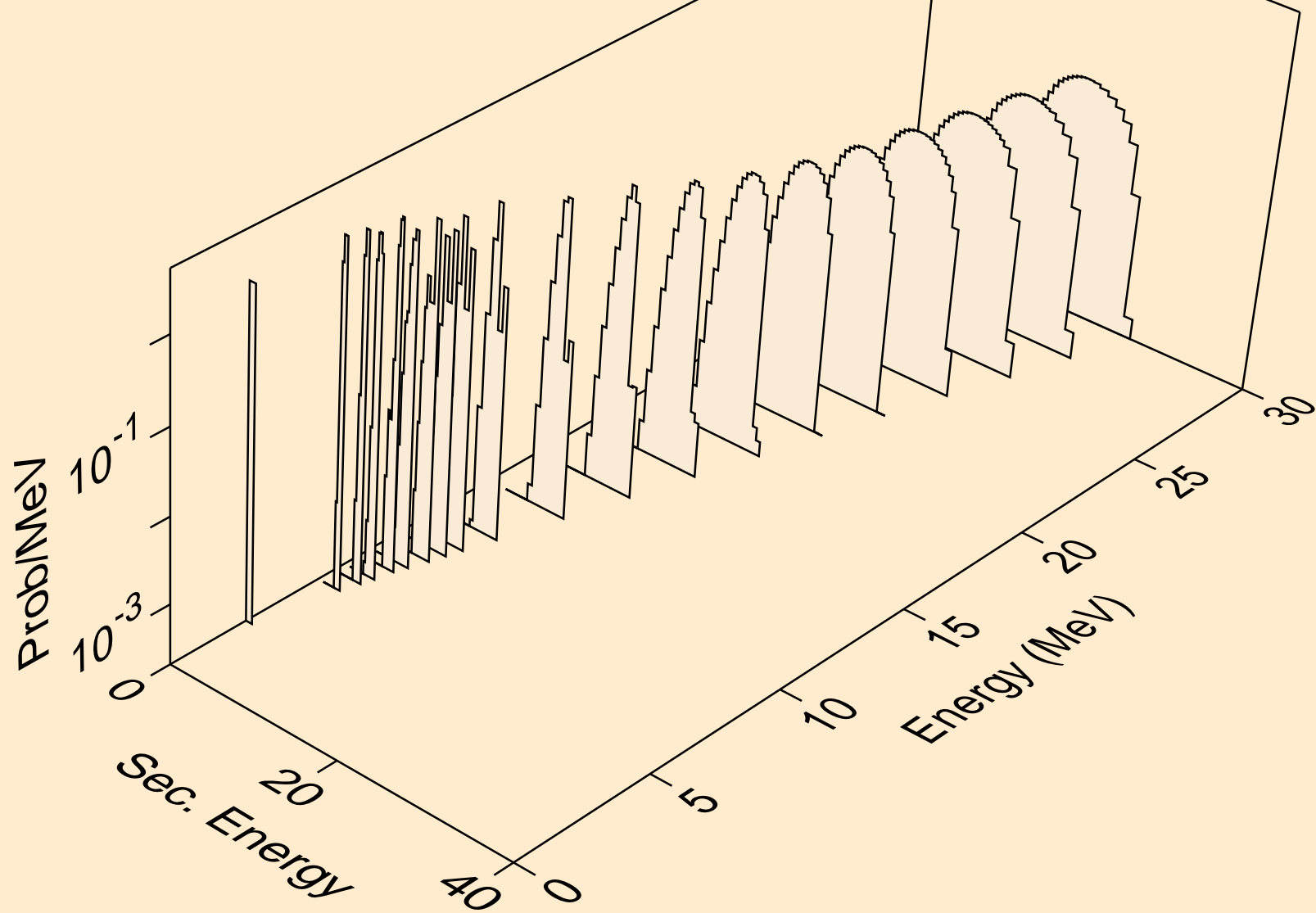
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tritons from (n,x)



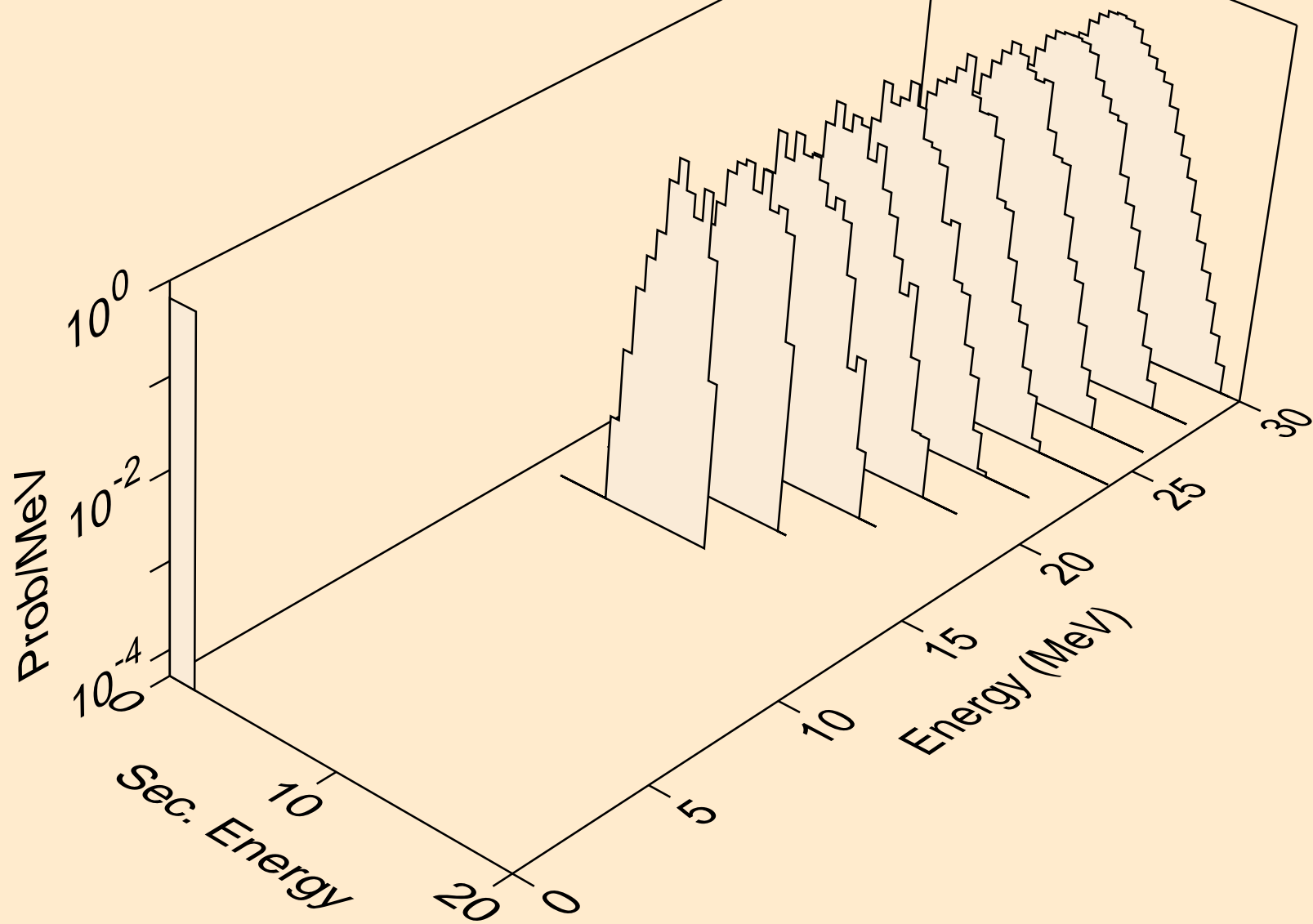
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t



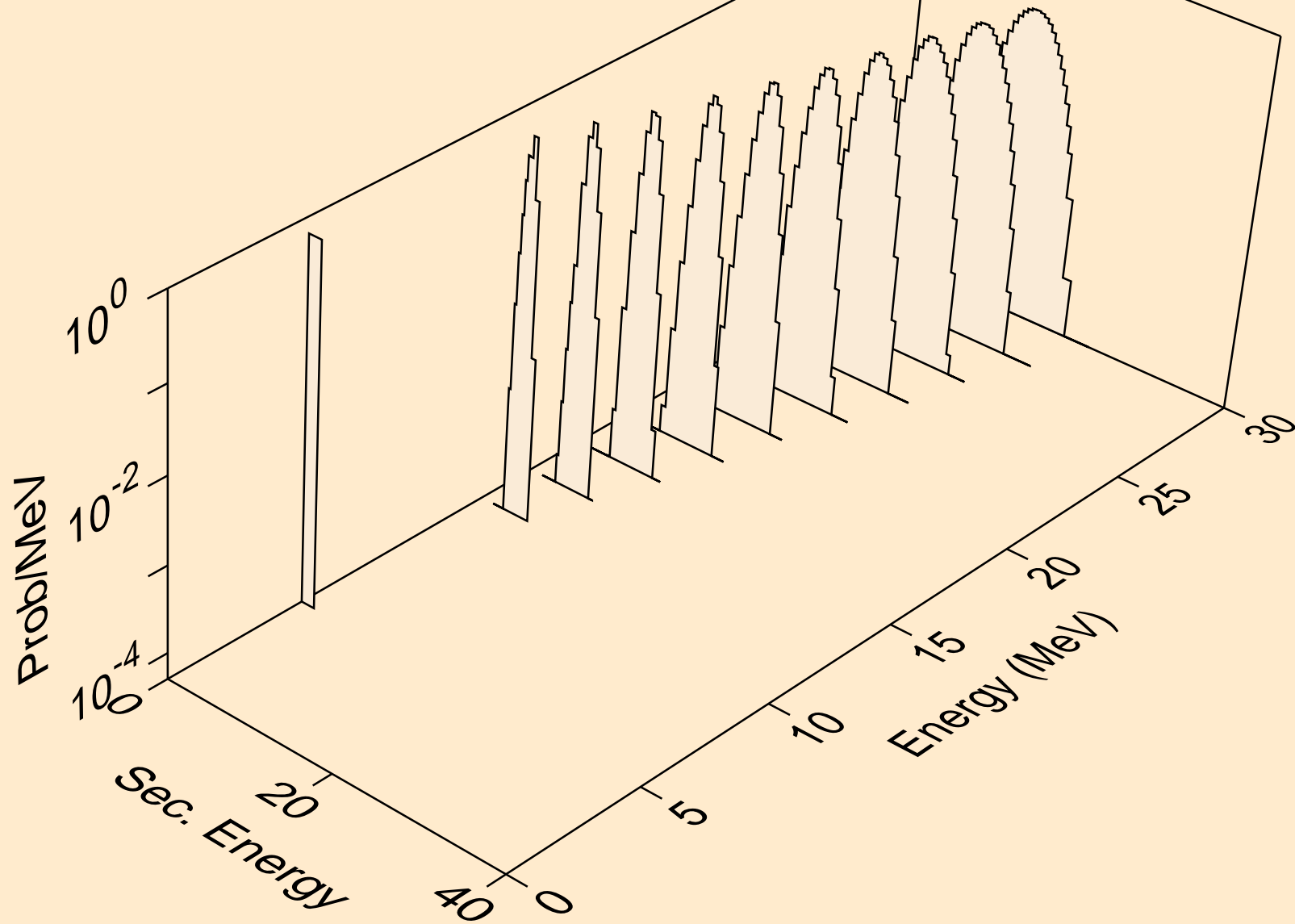
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,t)



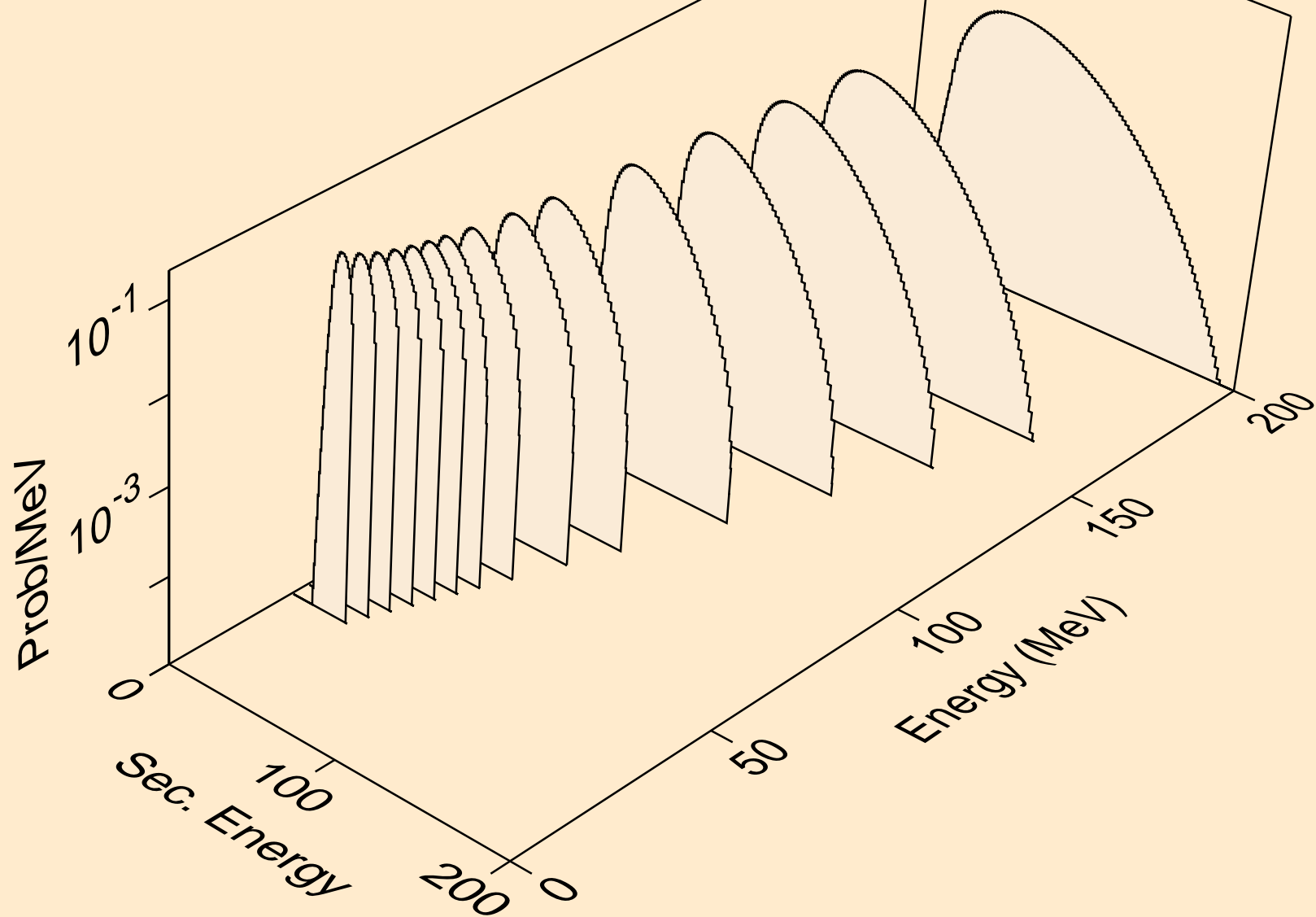
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,t2a)



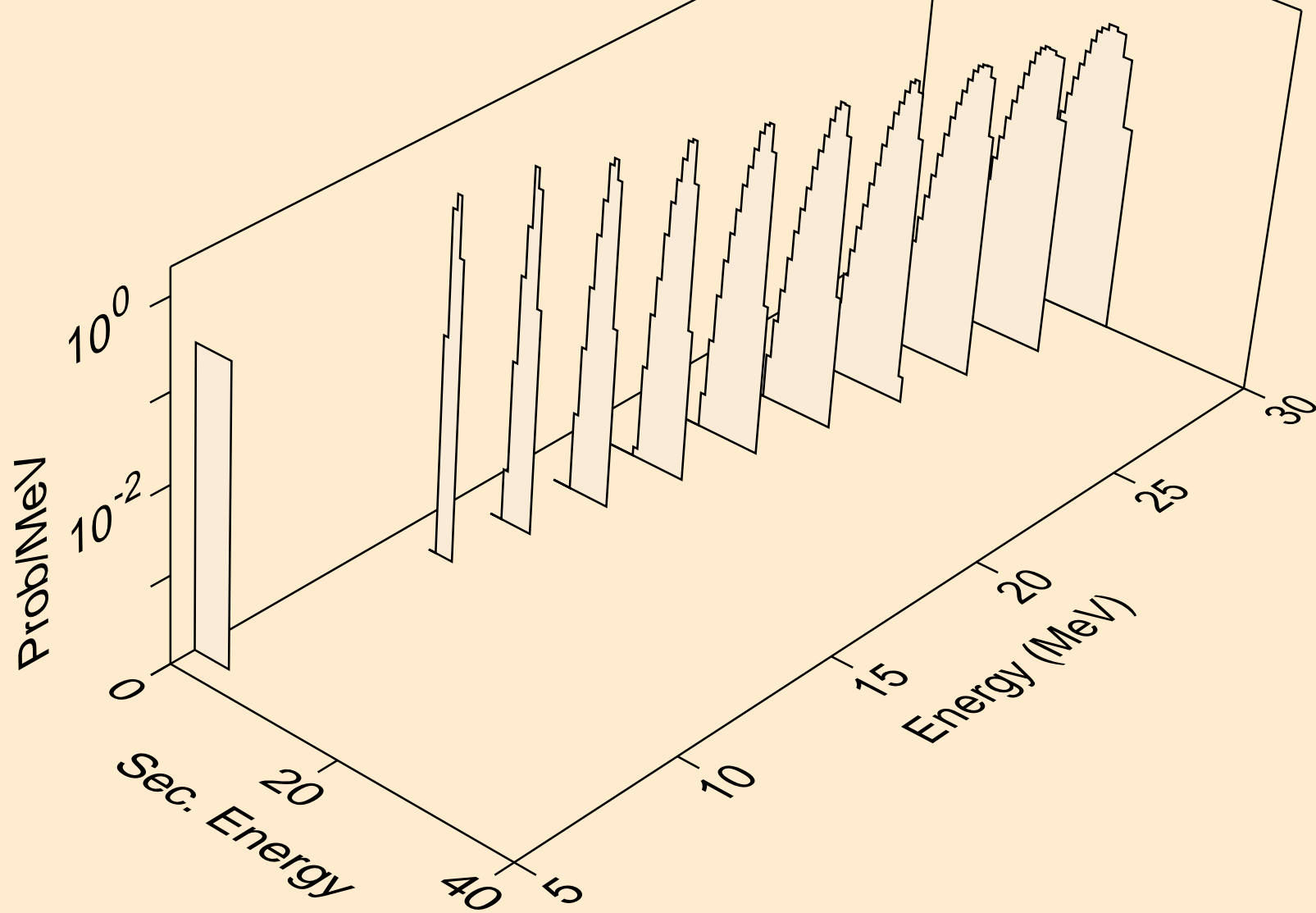
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tritons from (n,pt)



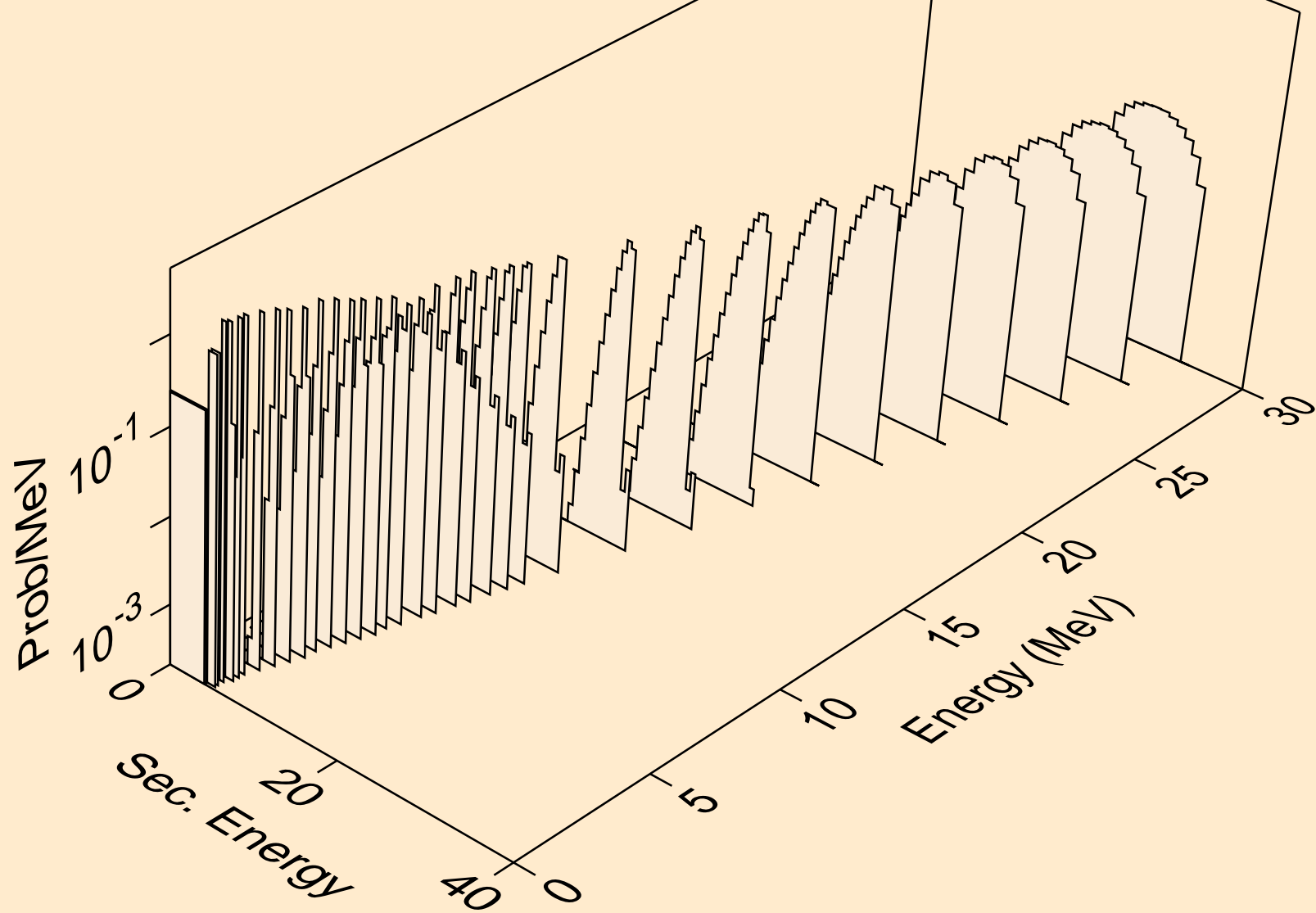
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)



AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,n\*)he3

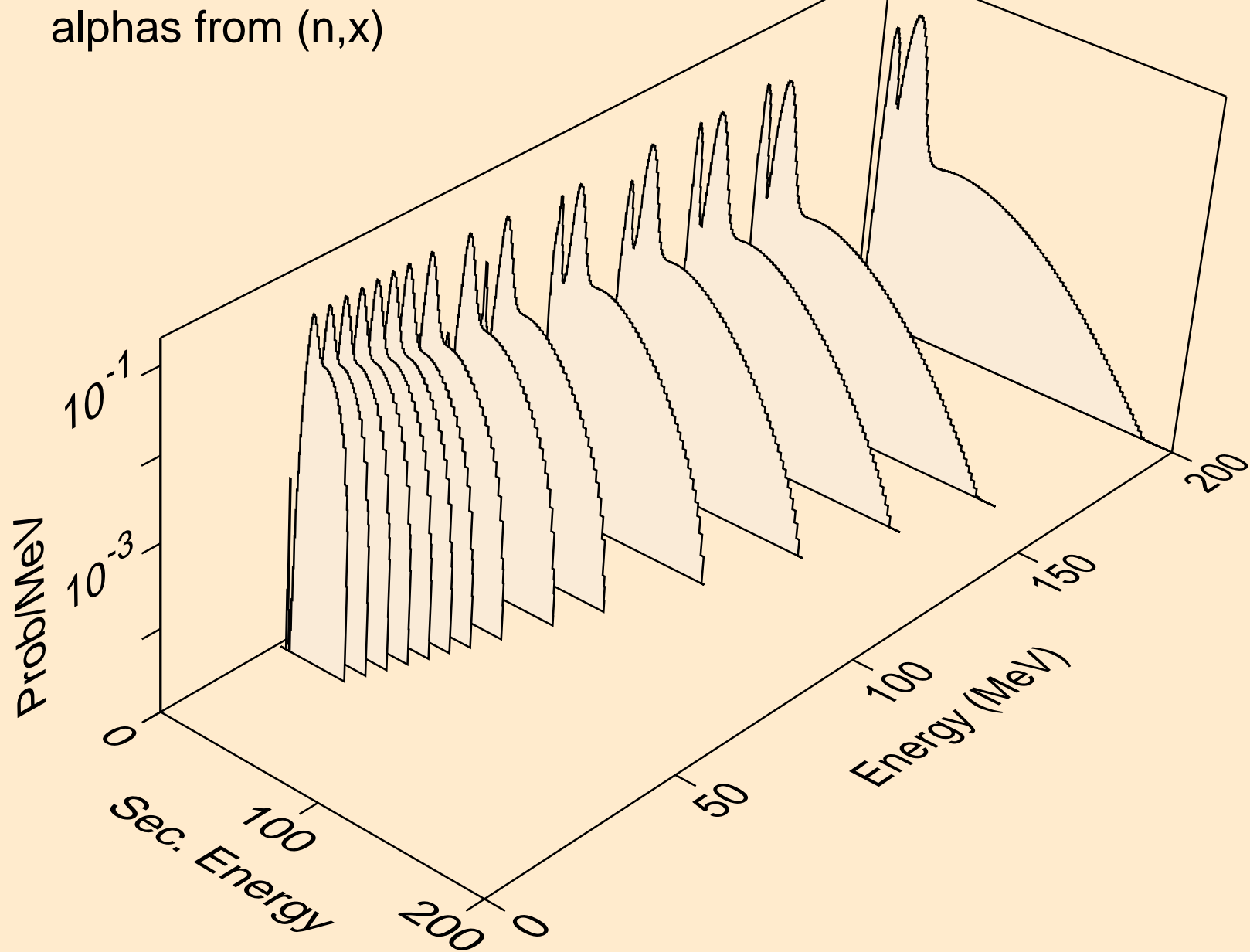


AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,he3)

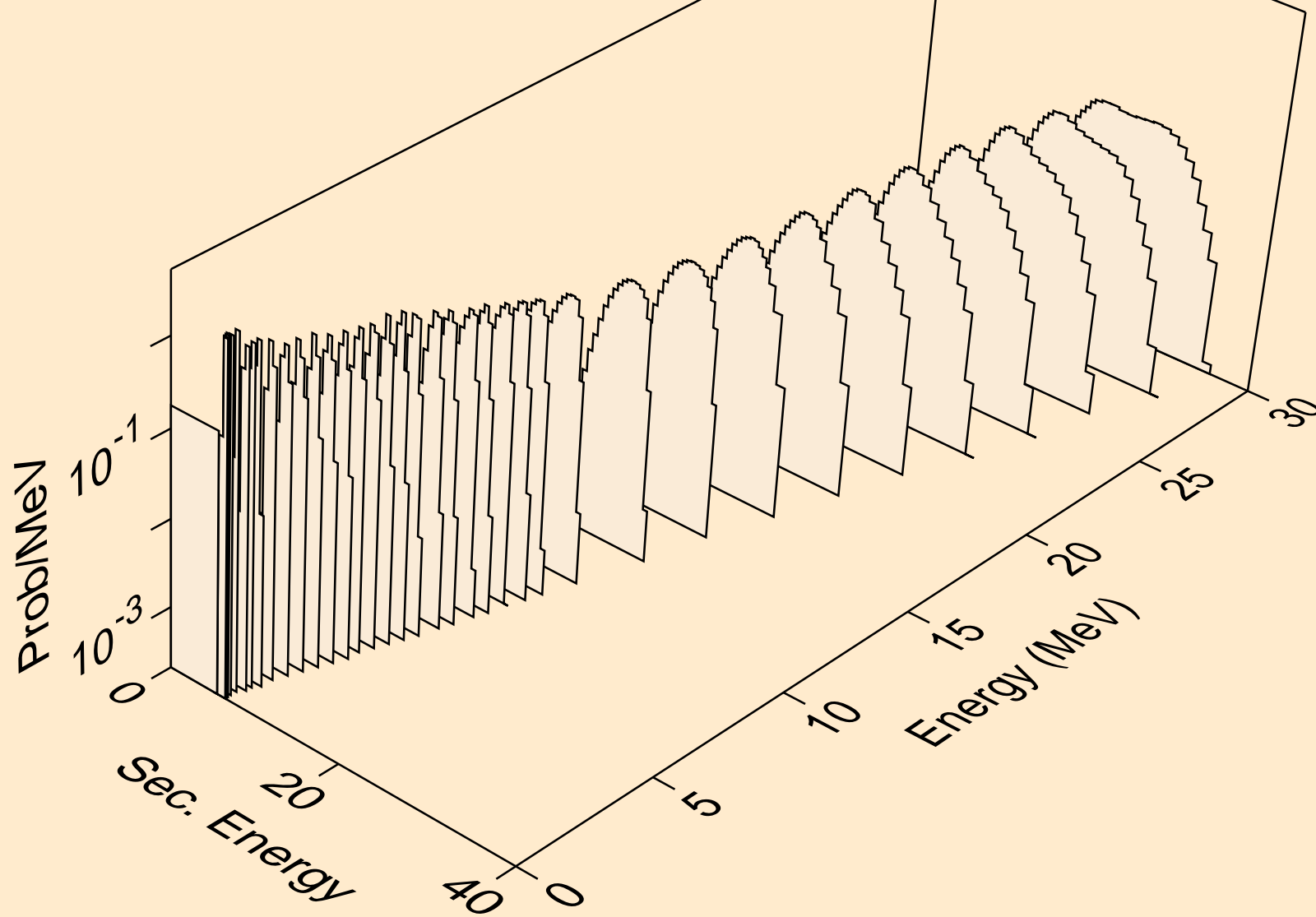




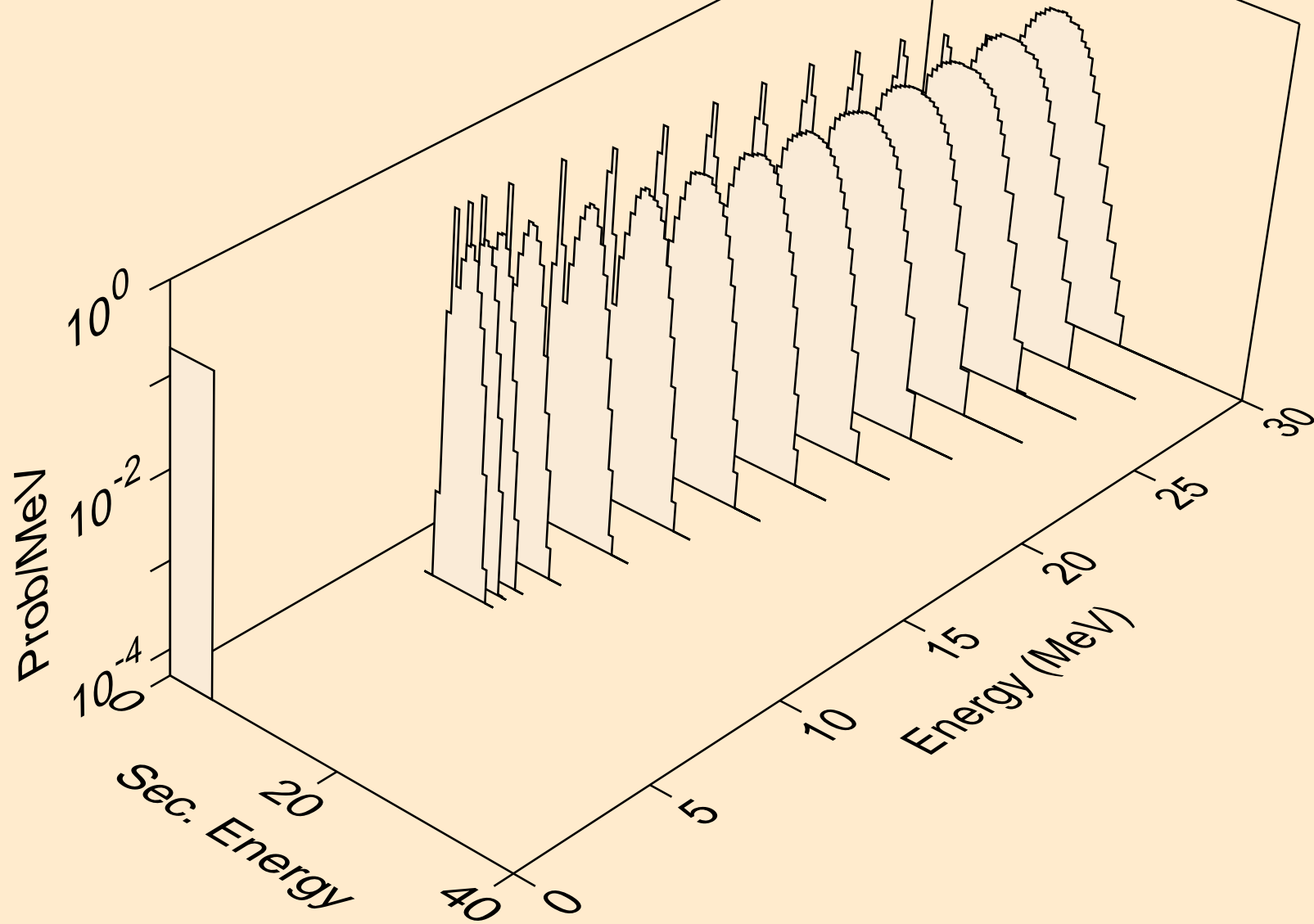
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



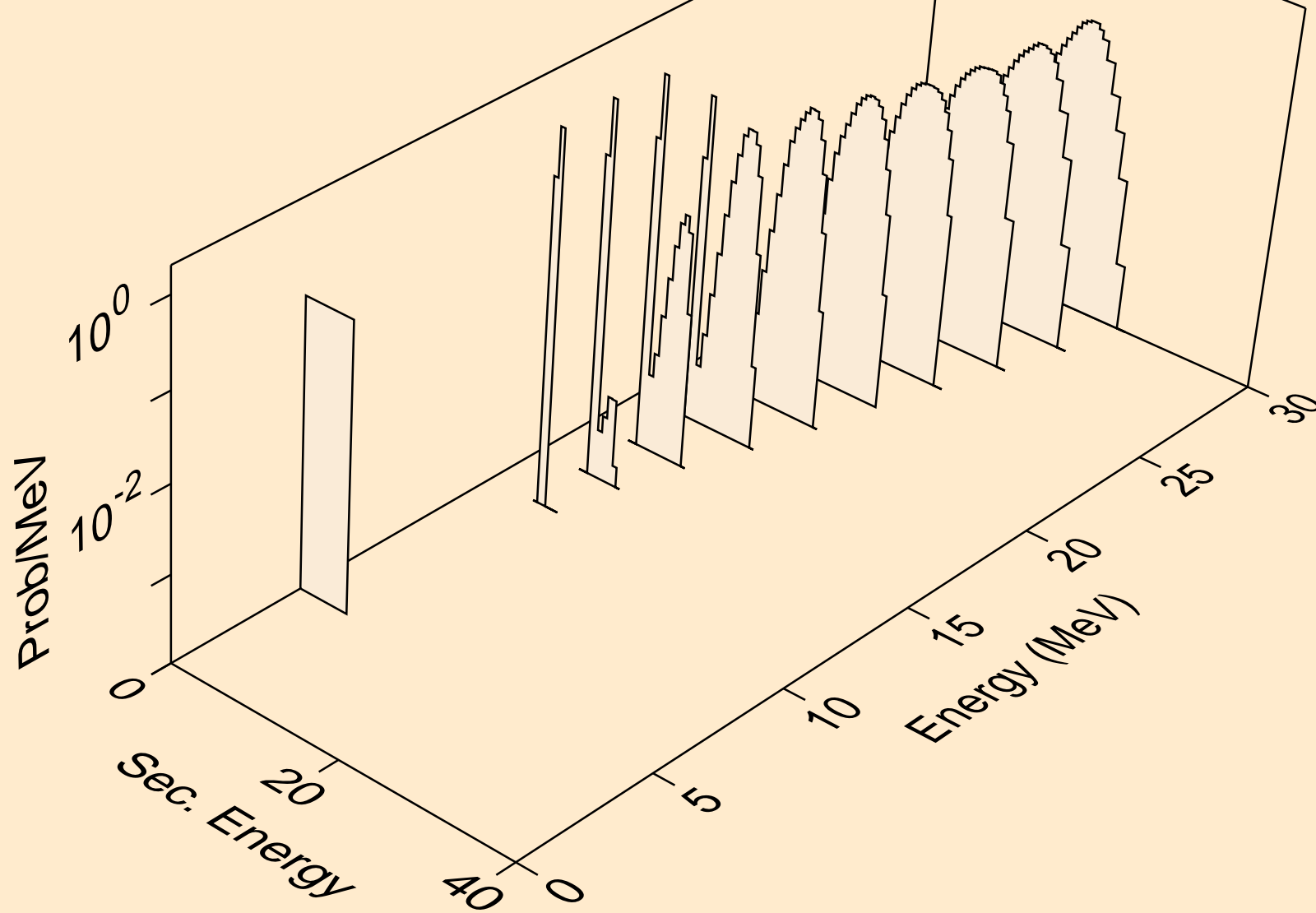
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



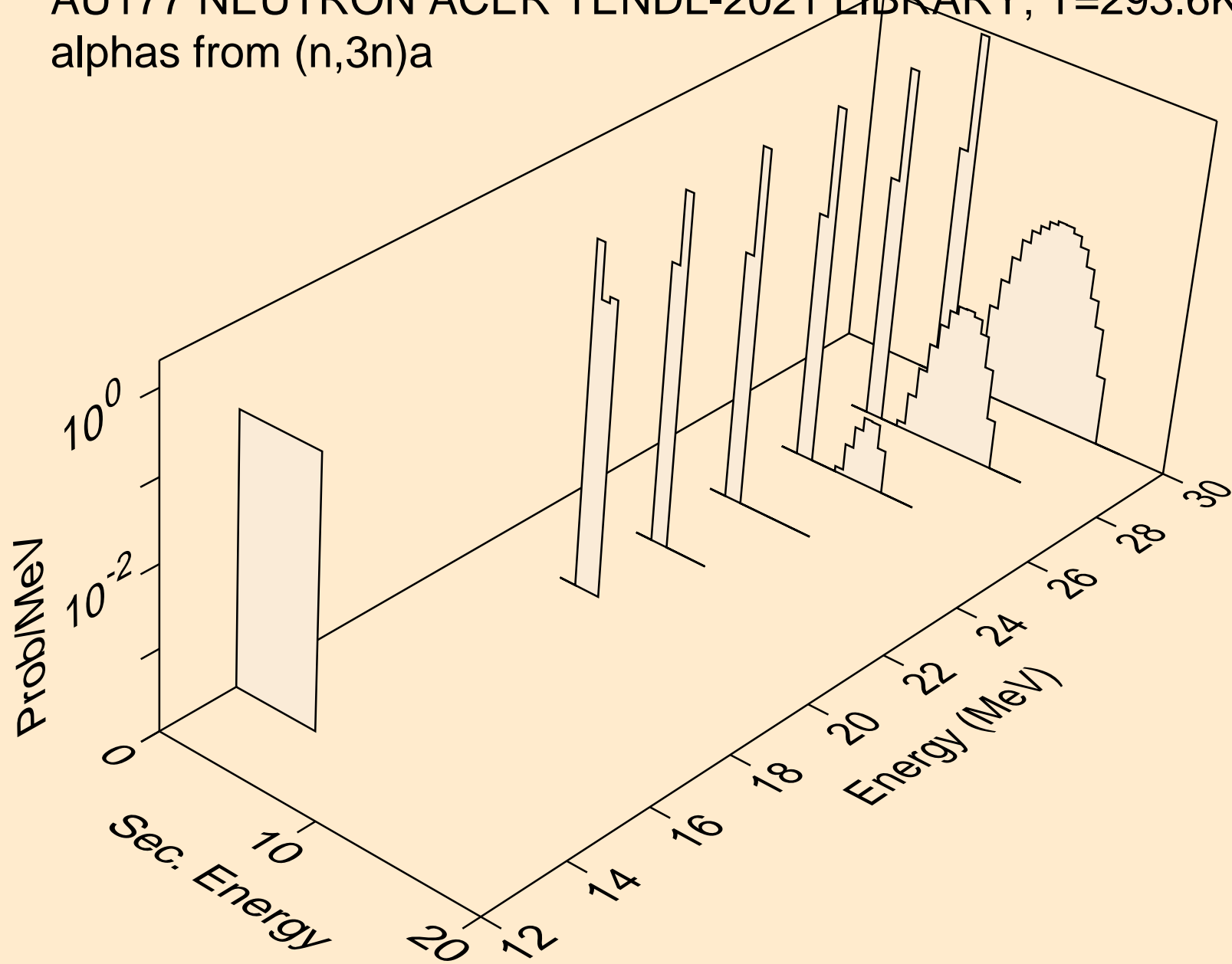
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)3a



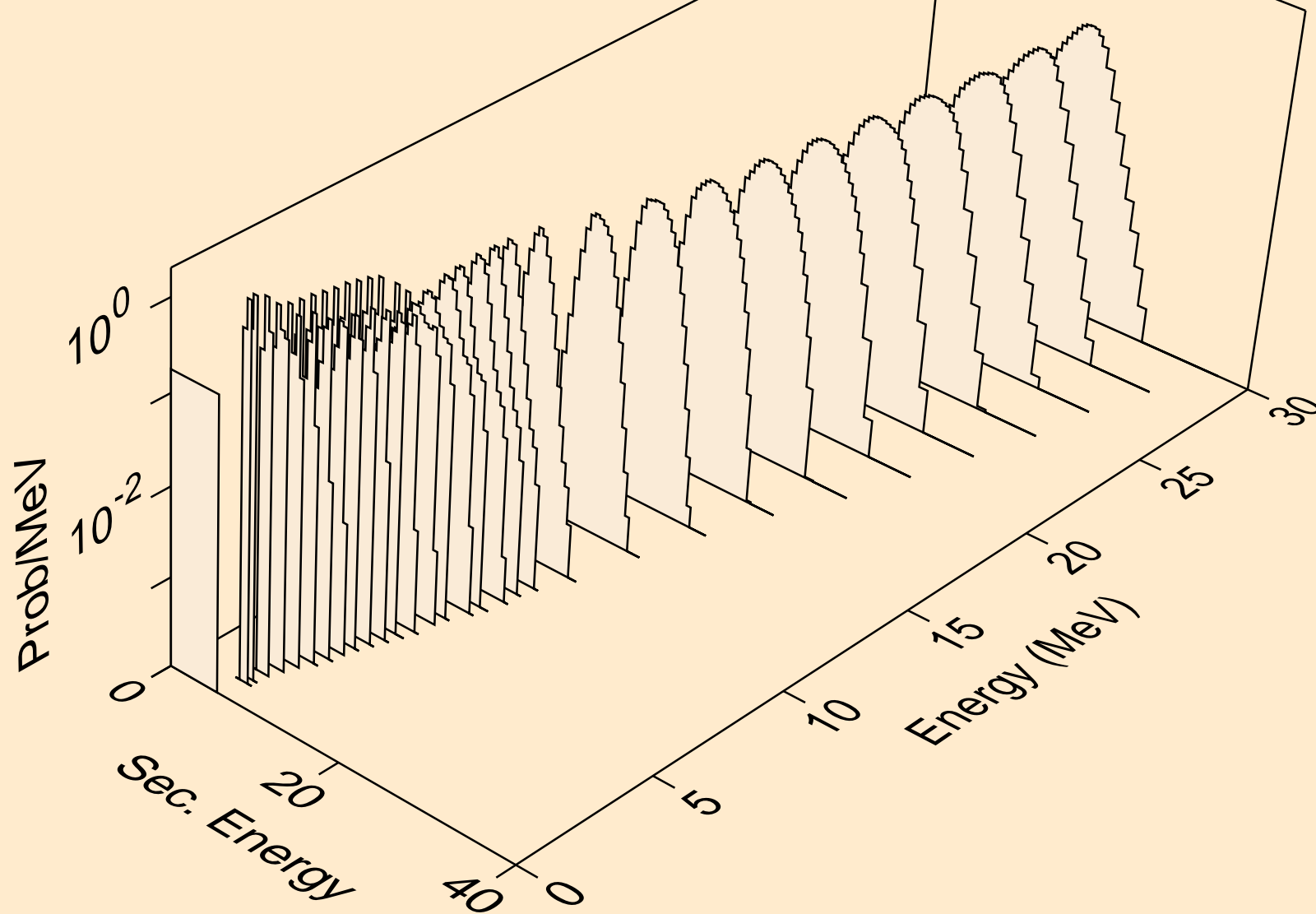
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a



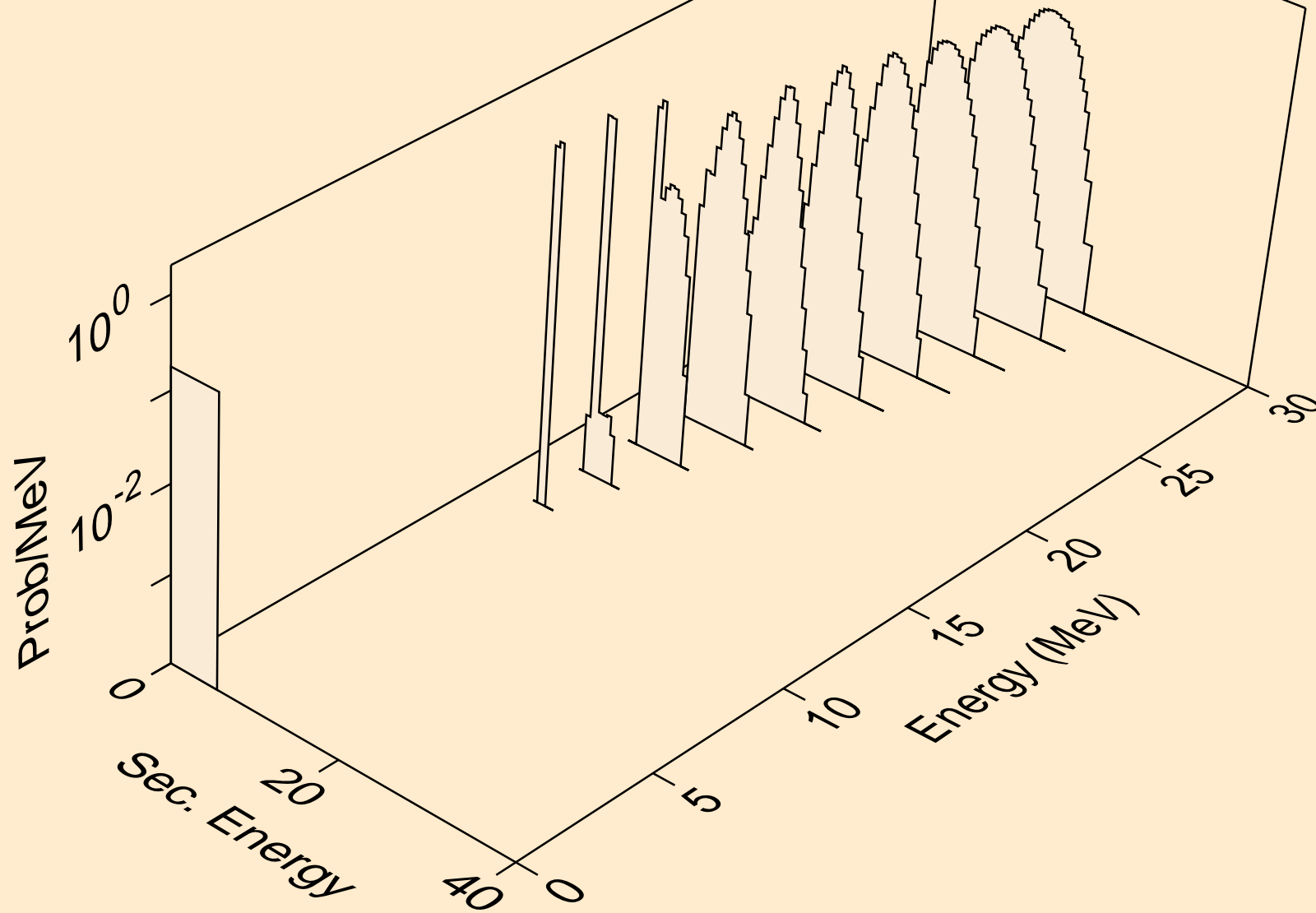
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alphas from (n,3n)a



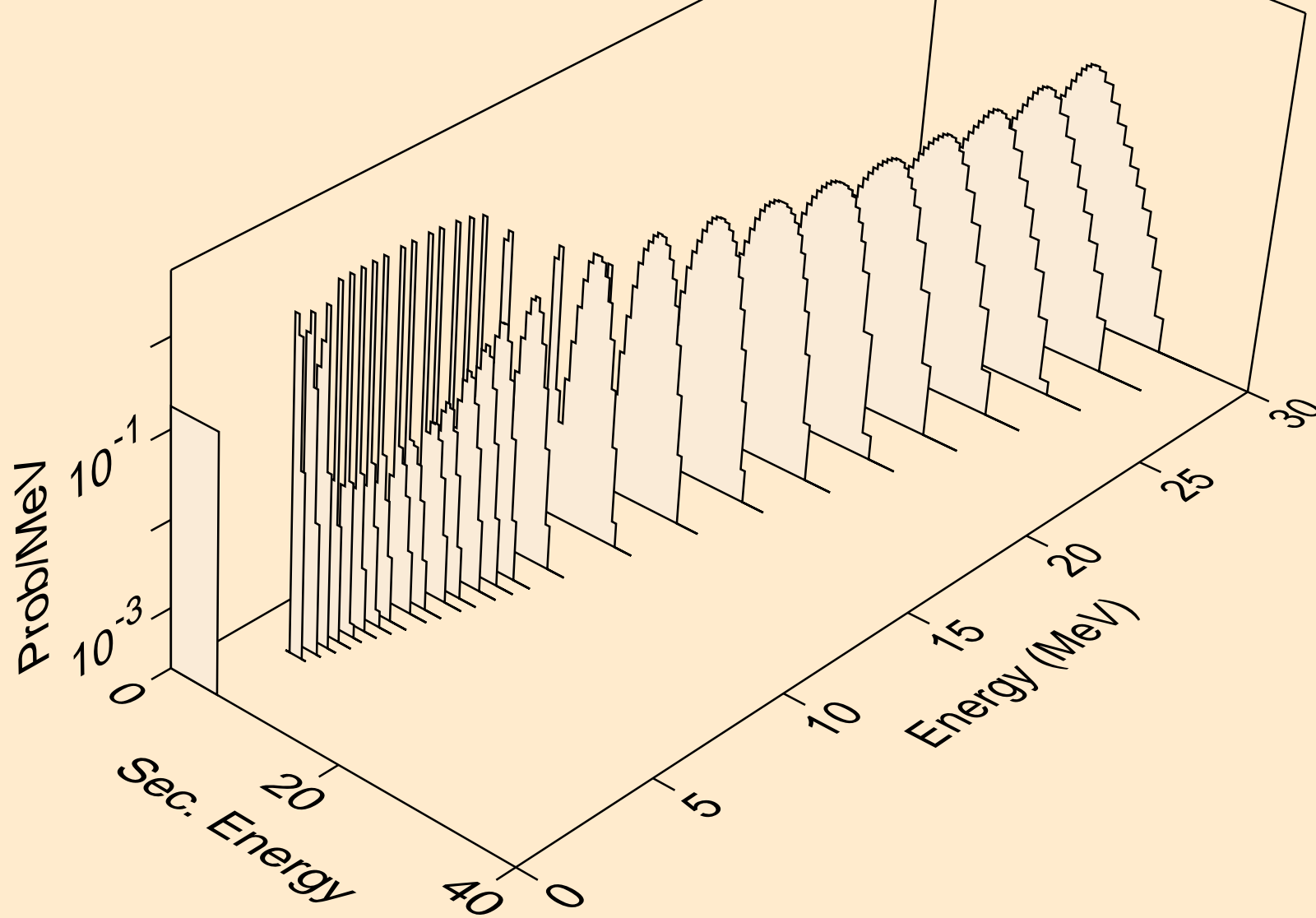
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alphas from (n,n\*)2a



AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)2a

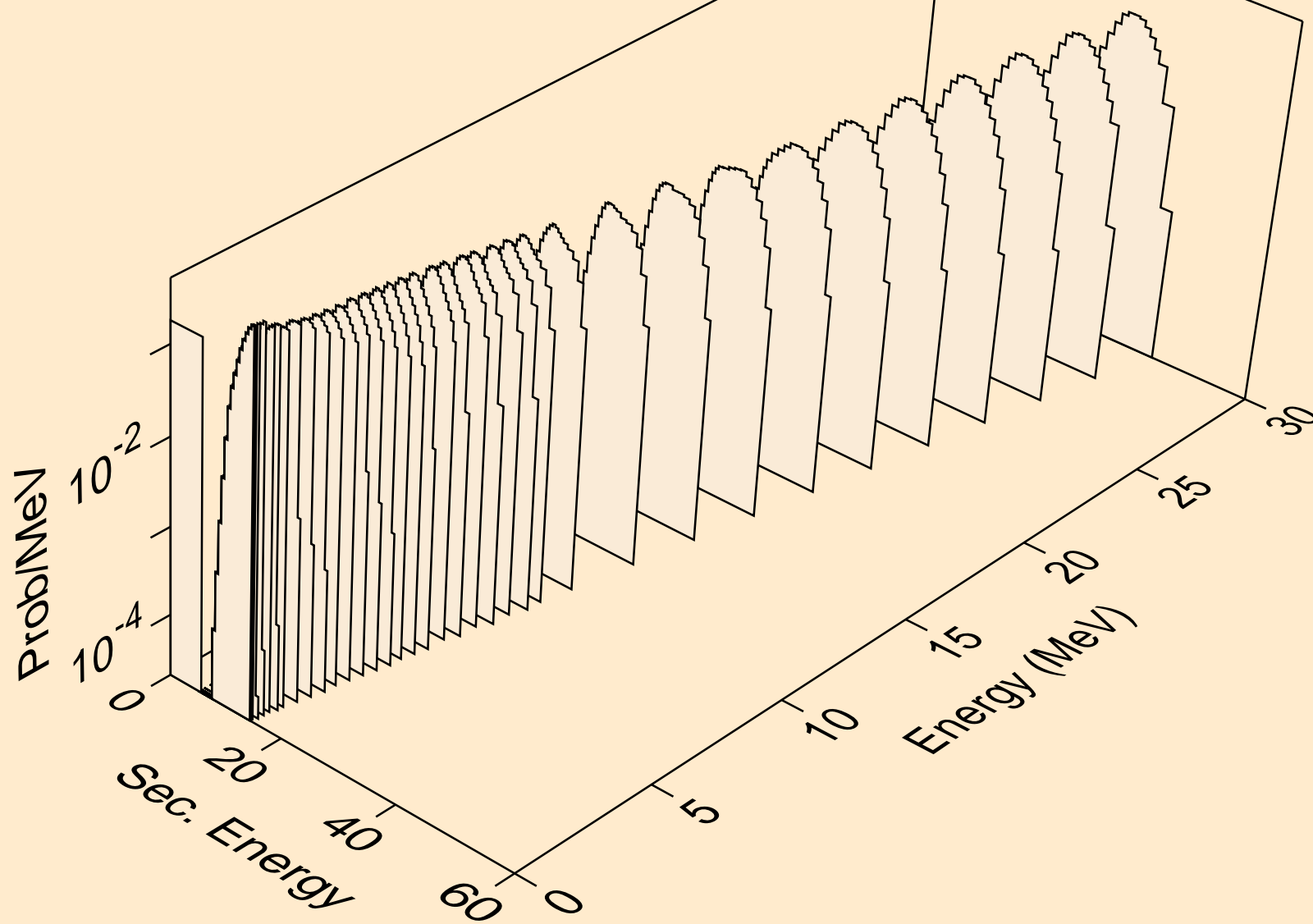


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alphas from (n,npa)

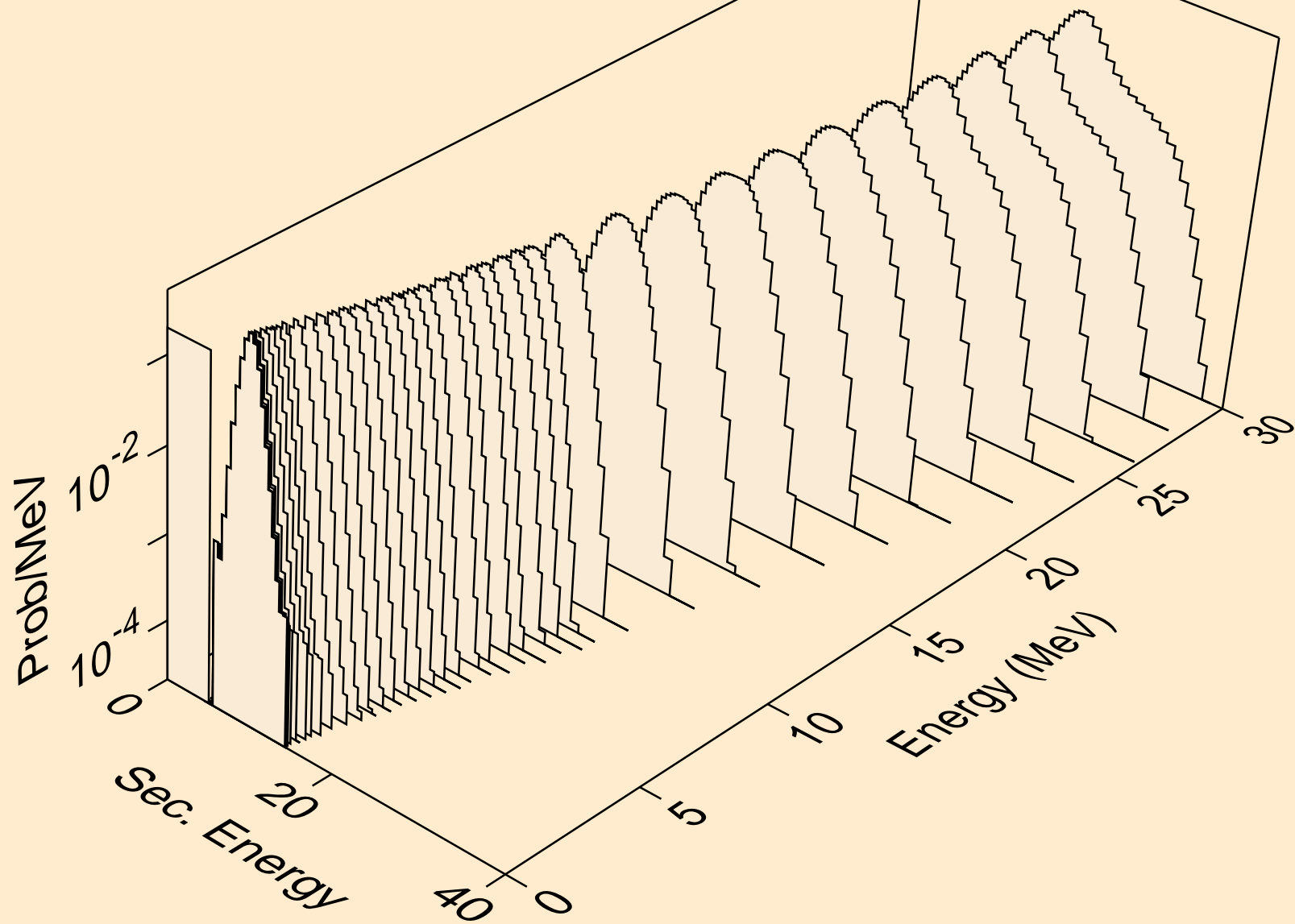




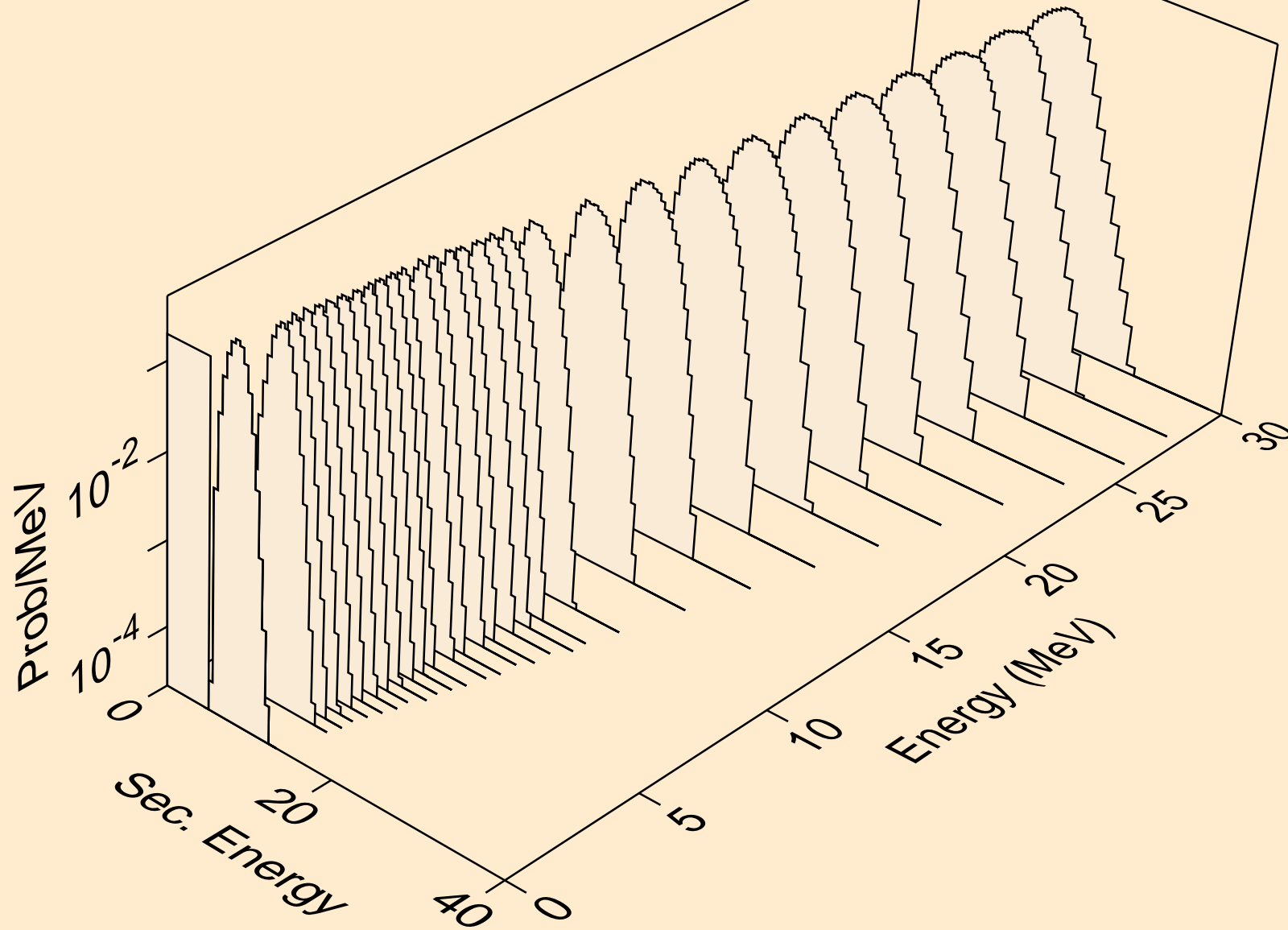
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alphas from (n,a)



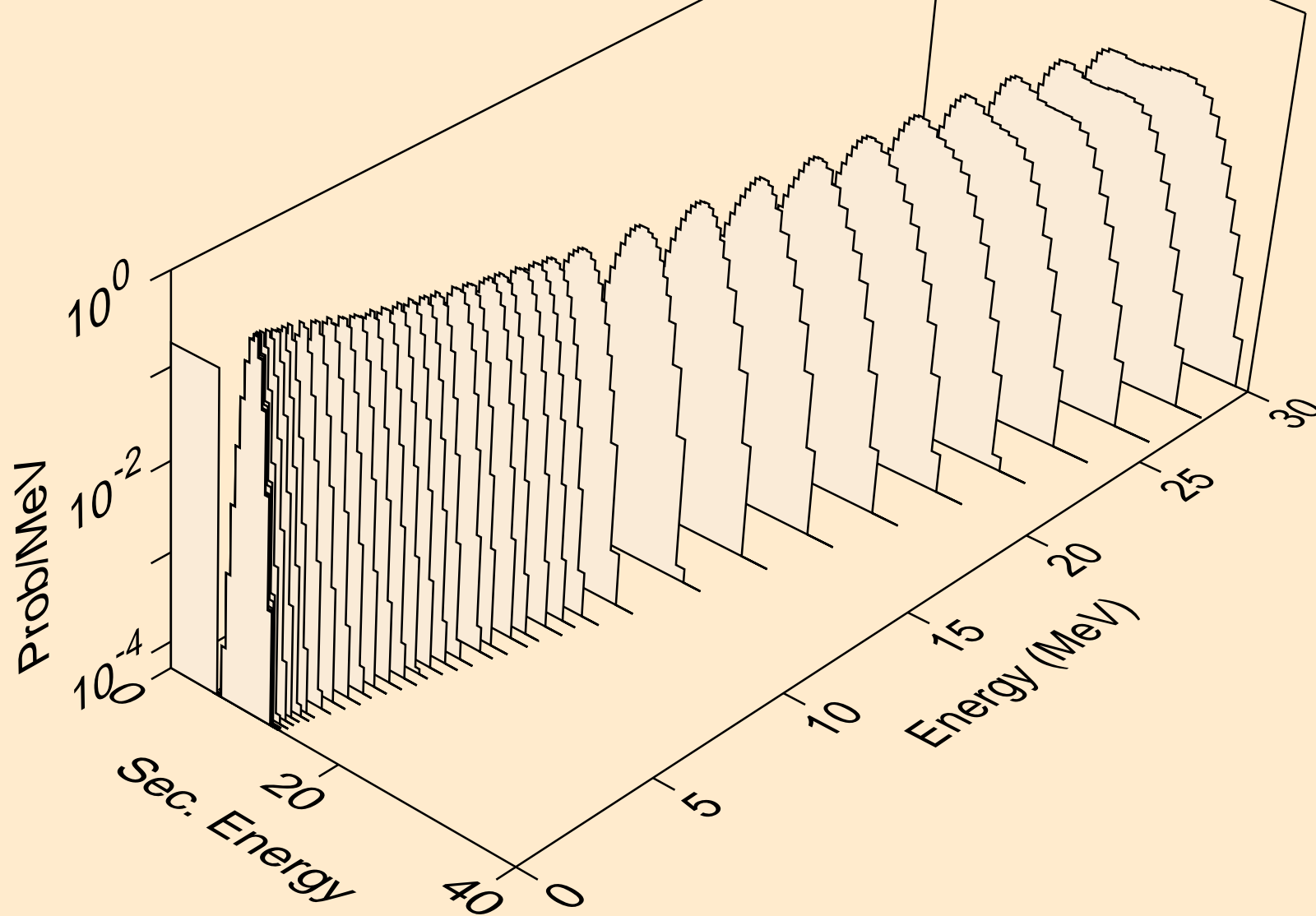
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alphas from (n,2a)



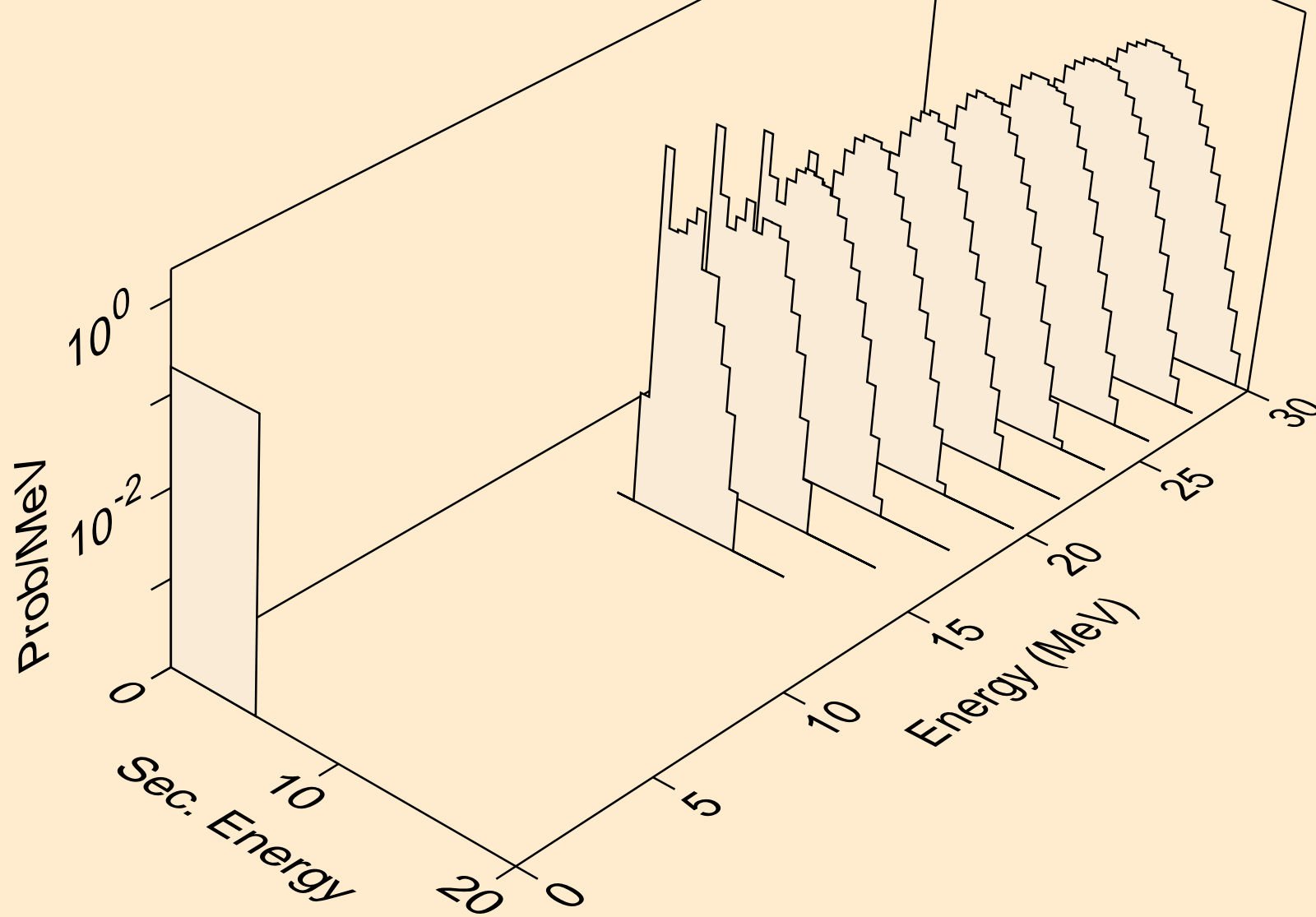
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3a)



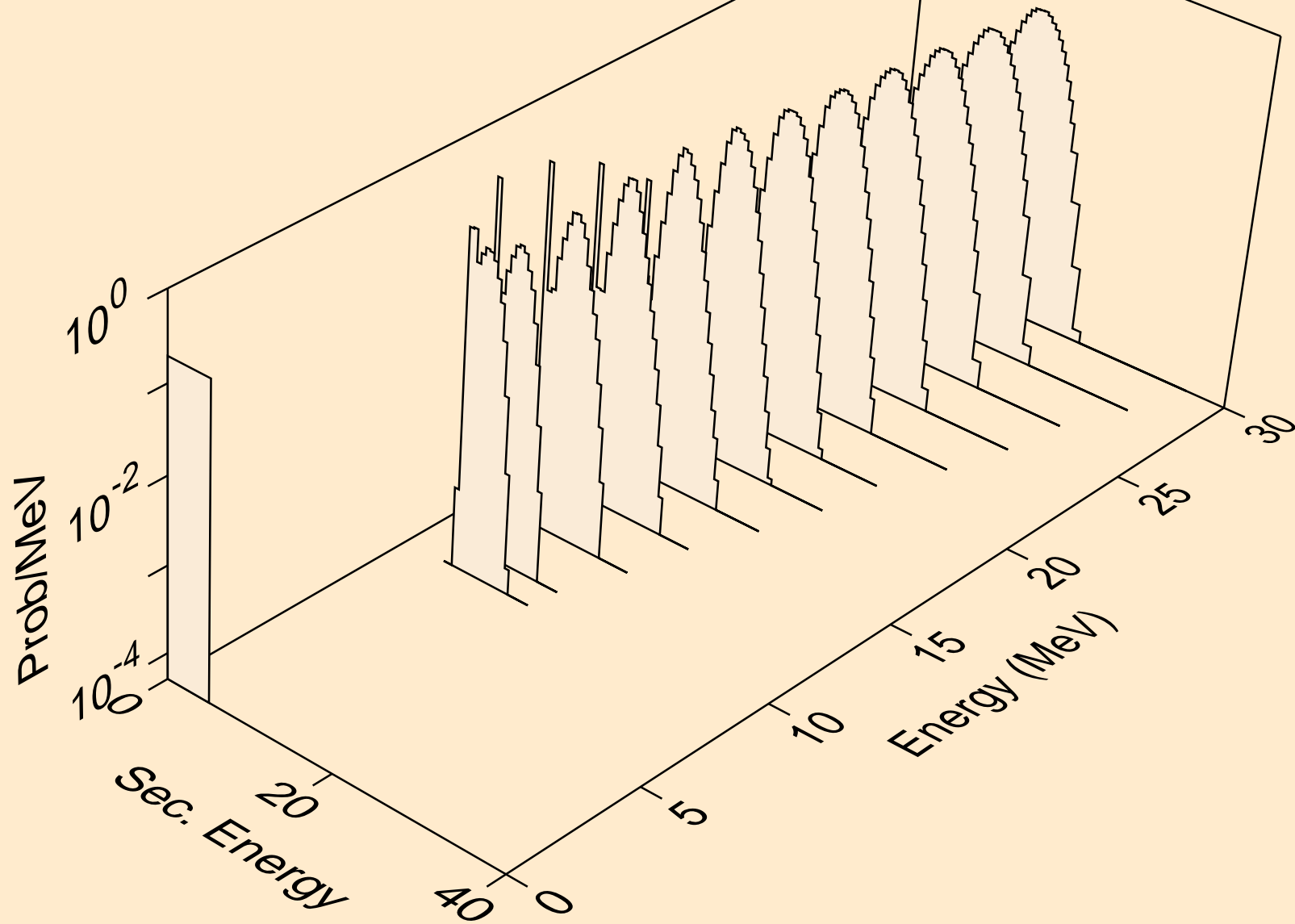
AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,t2a)



AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,d2a)



AU177 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

