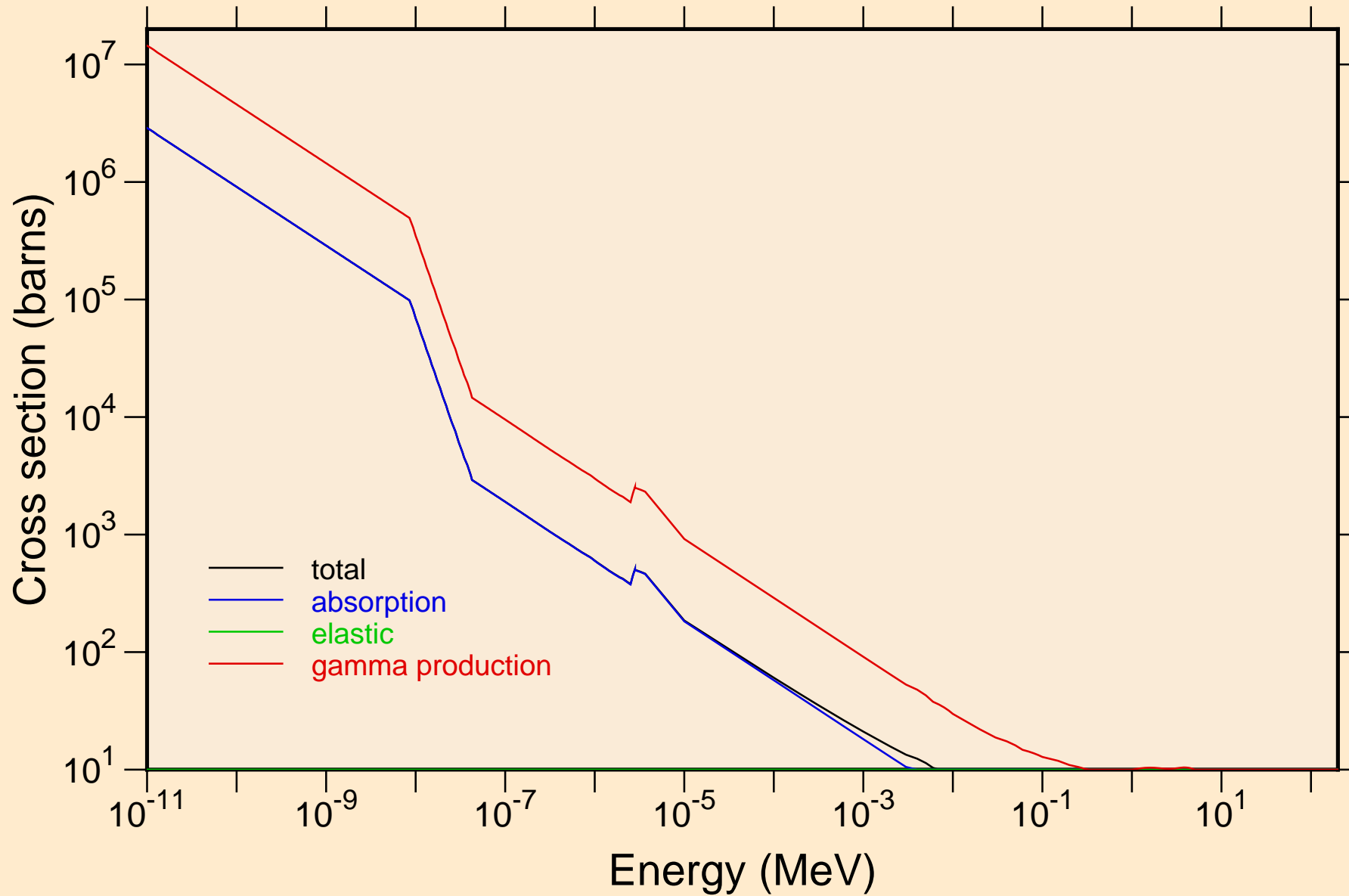
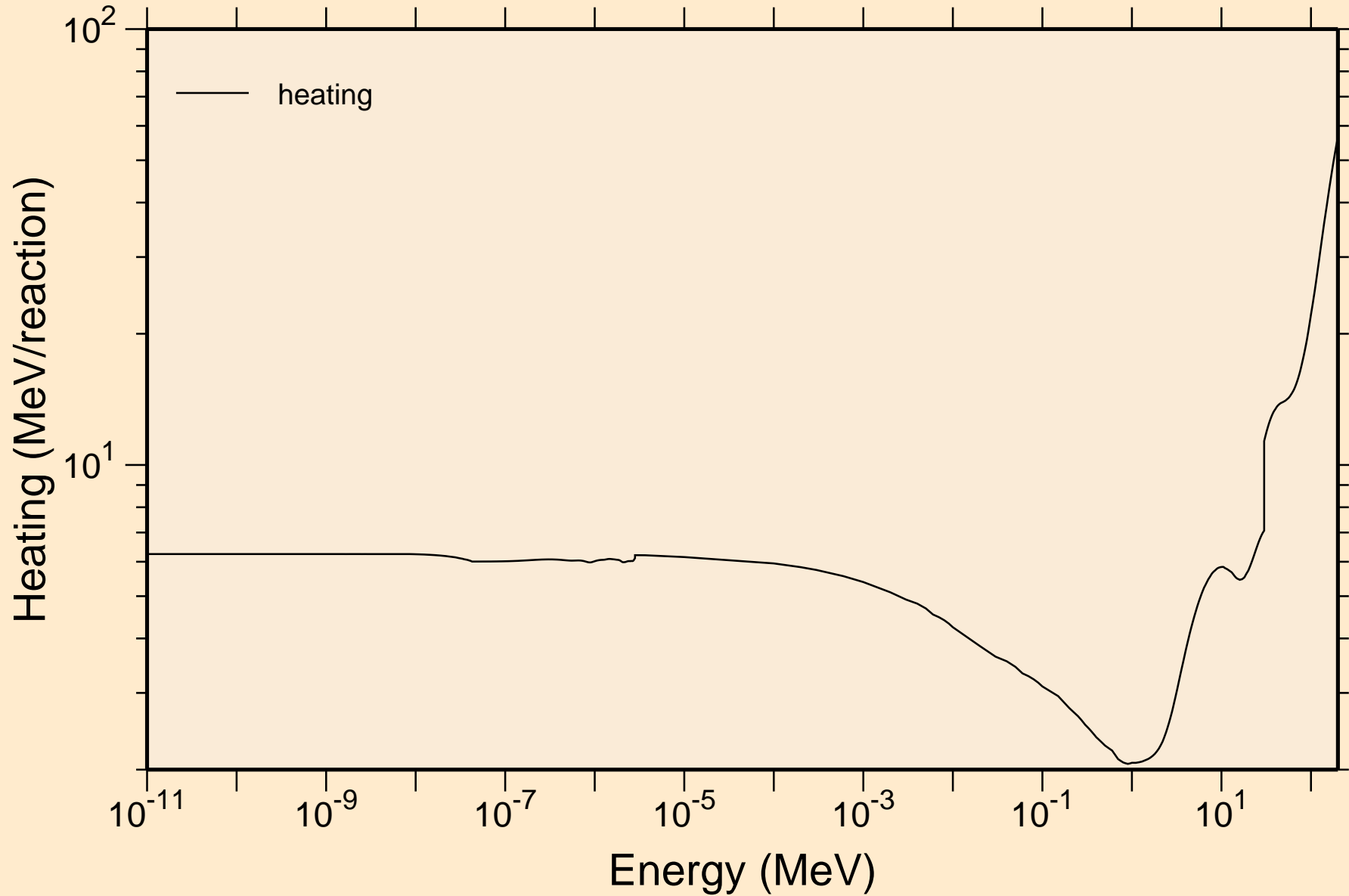


LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections

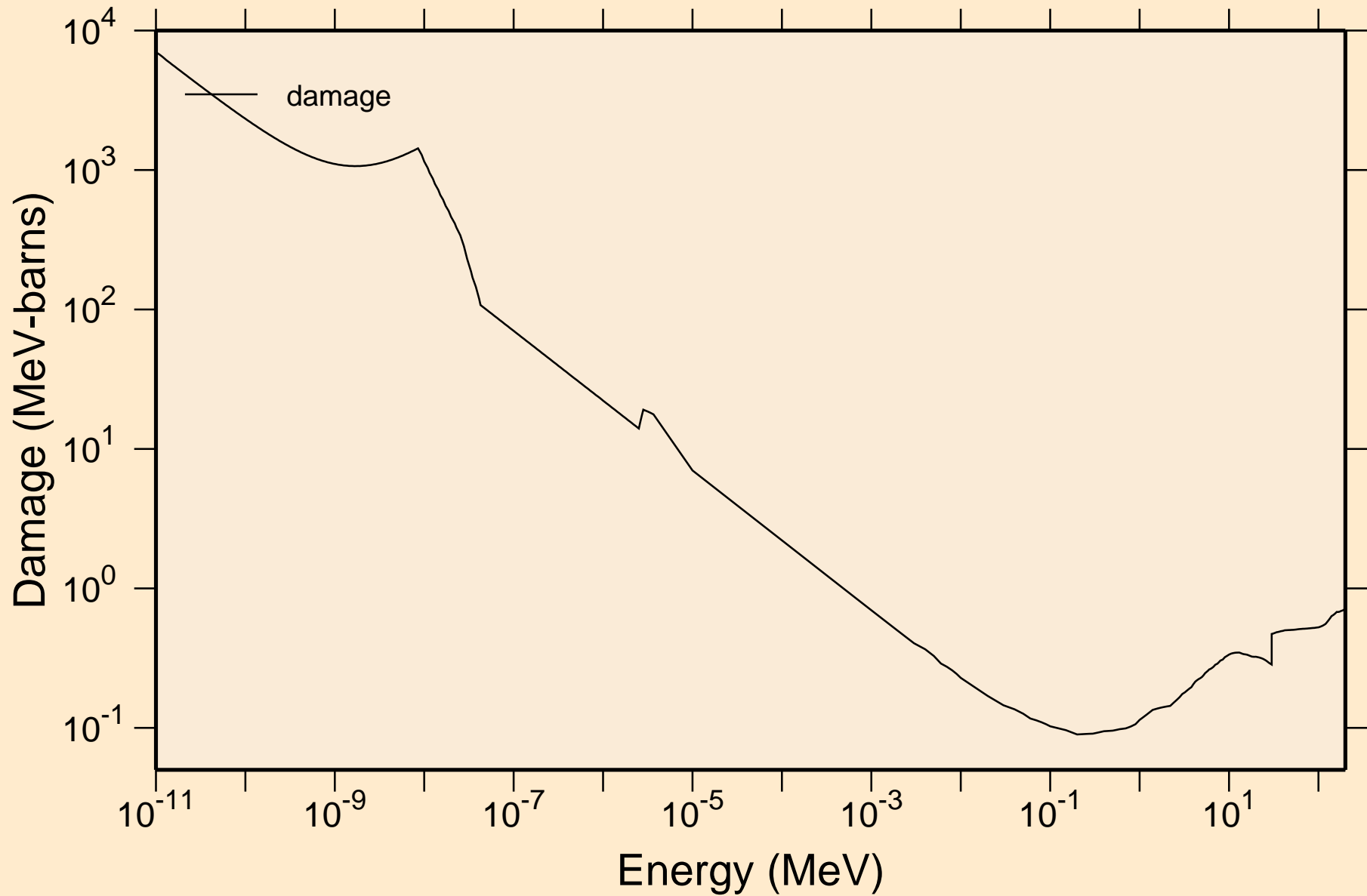


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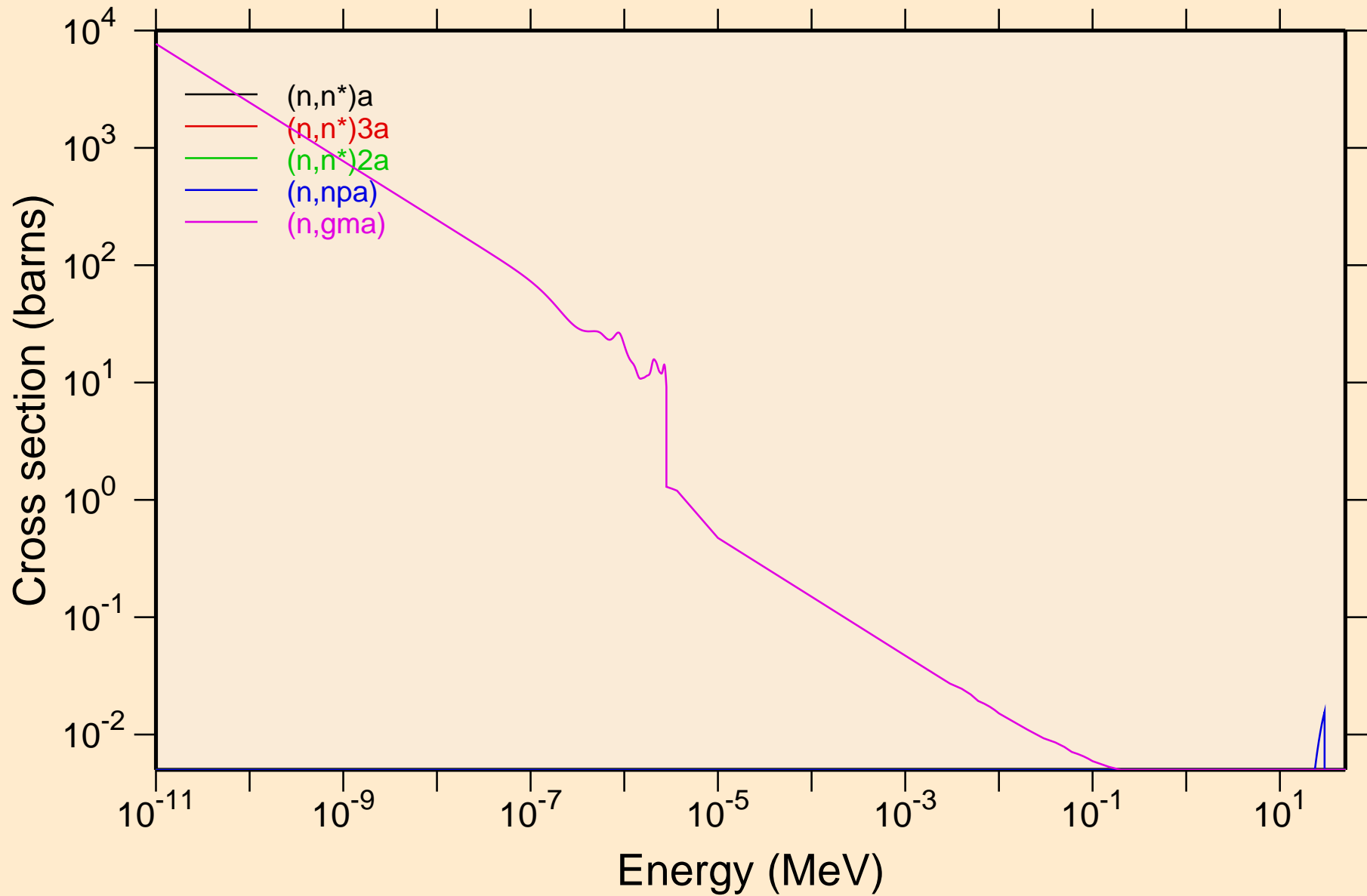
Heating



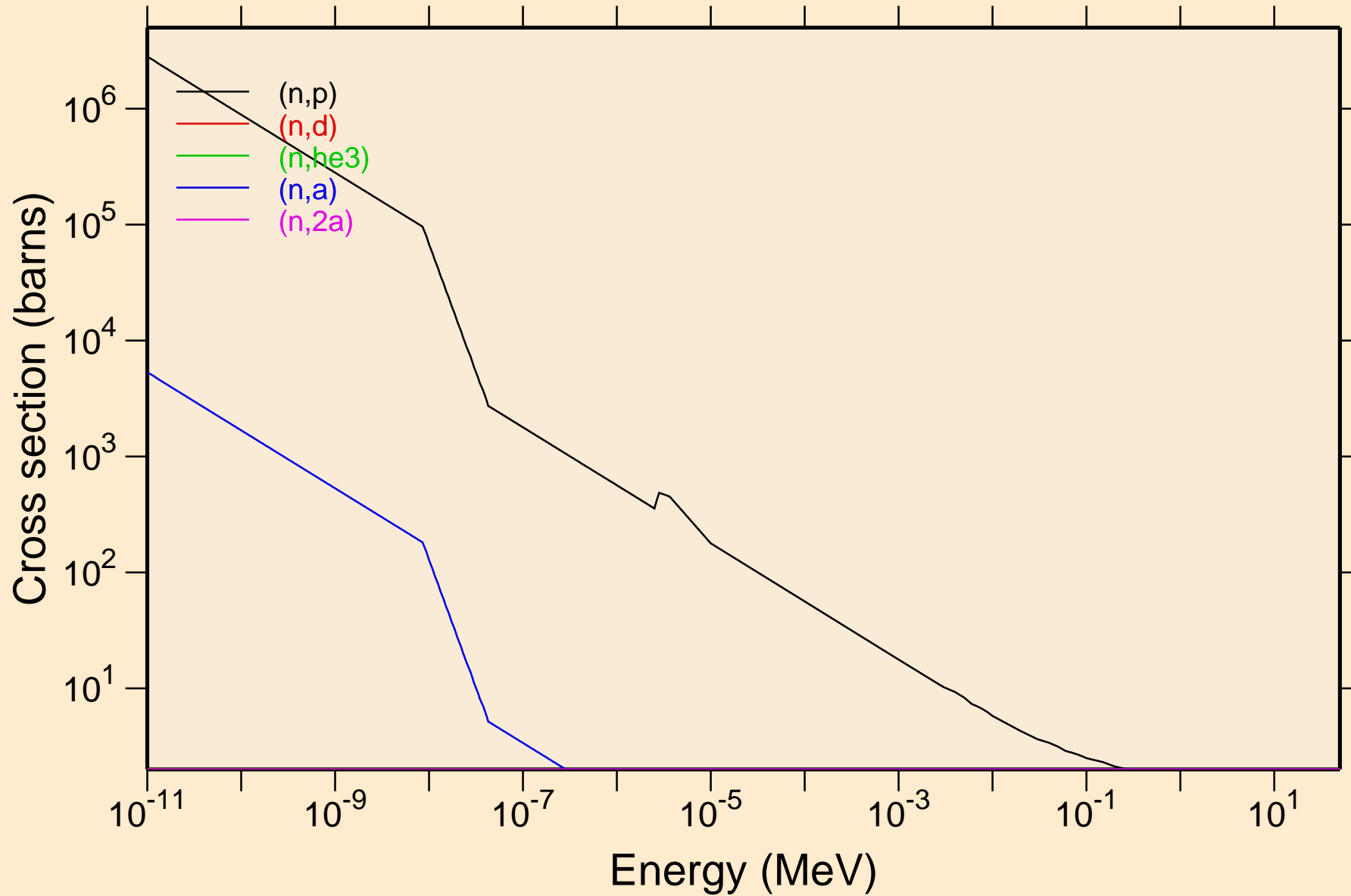
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Damage



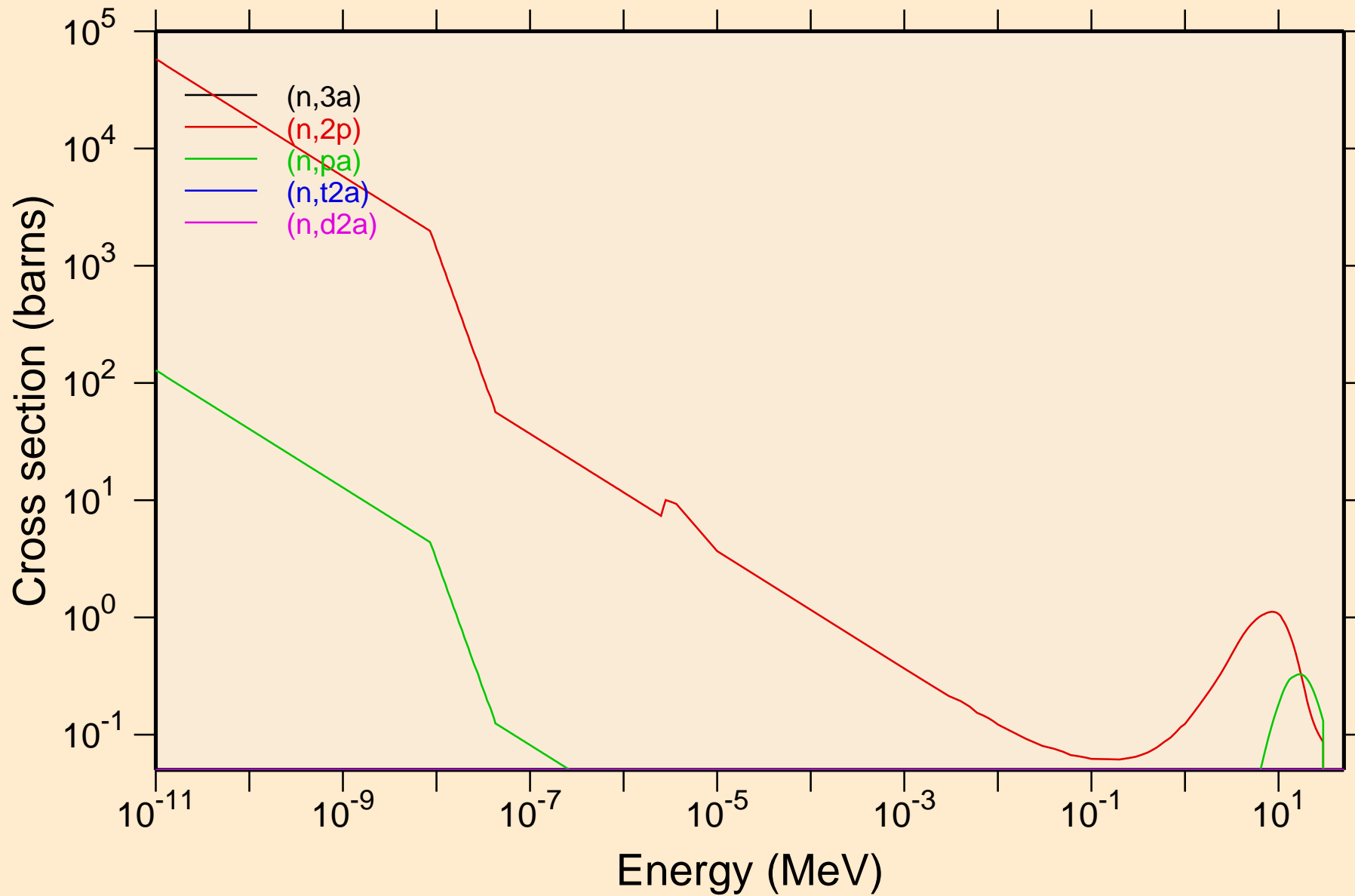
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Non-threshold reactions



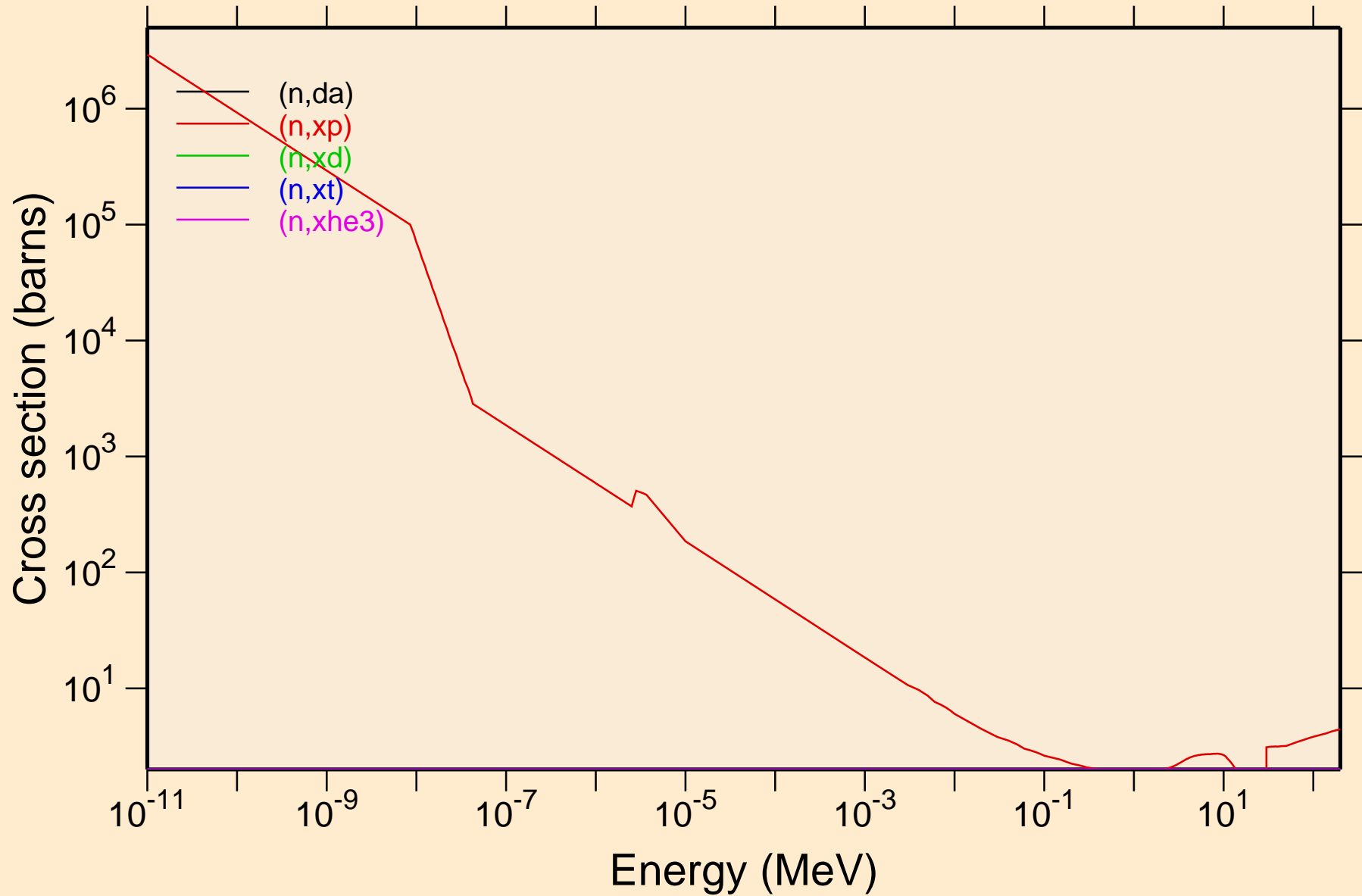
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Non-threshold reactions



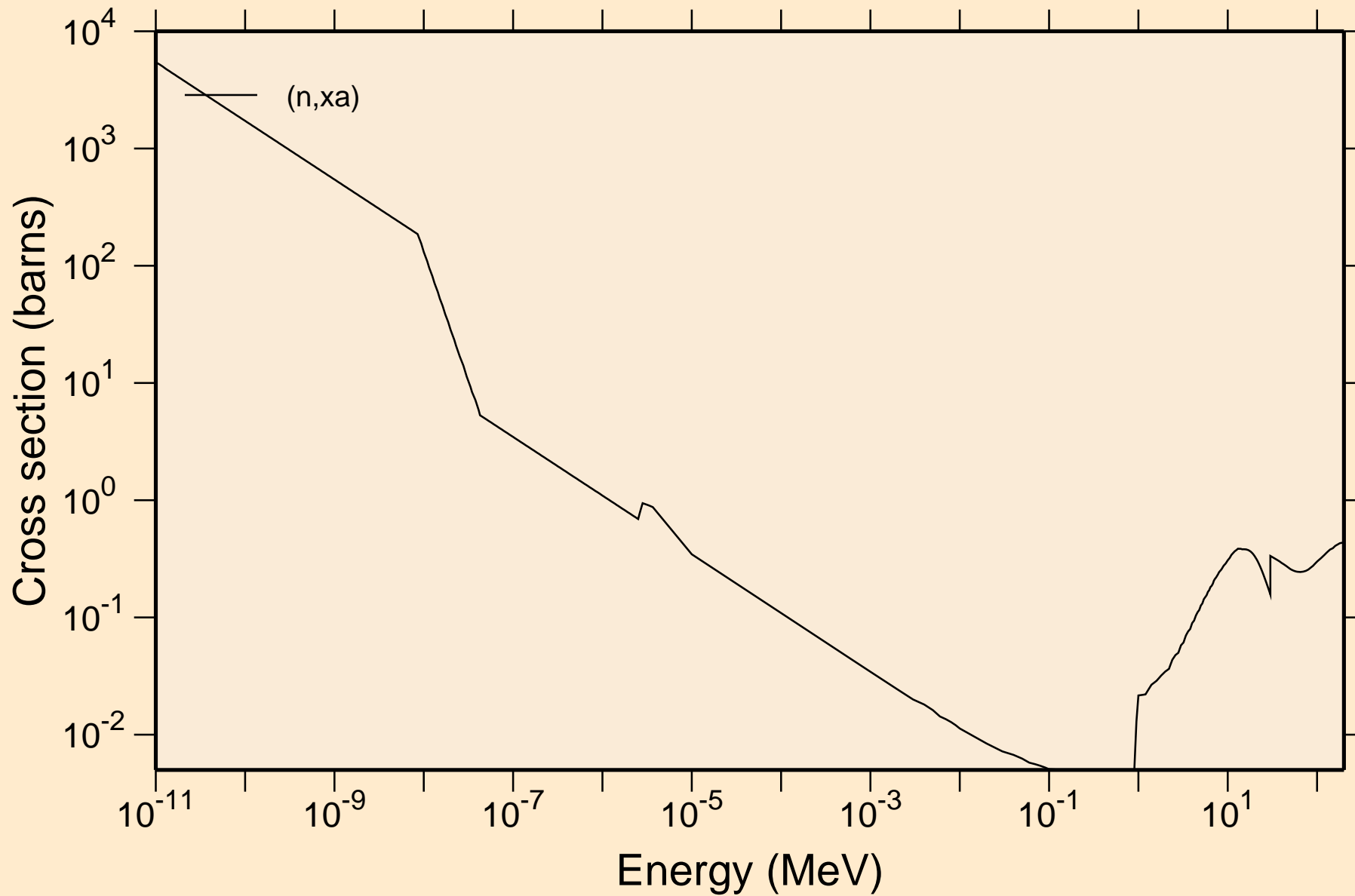
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Non-threshold reactions



LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



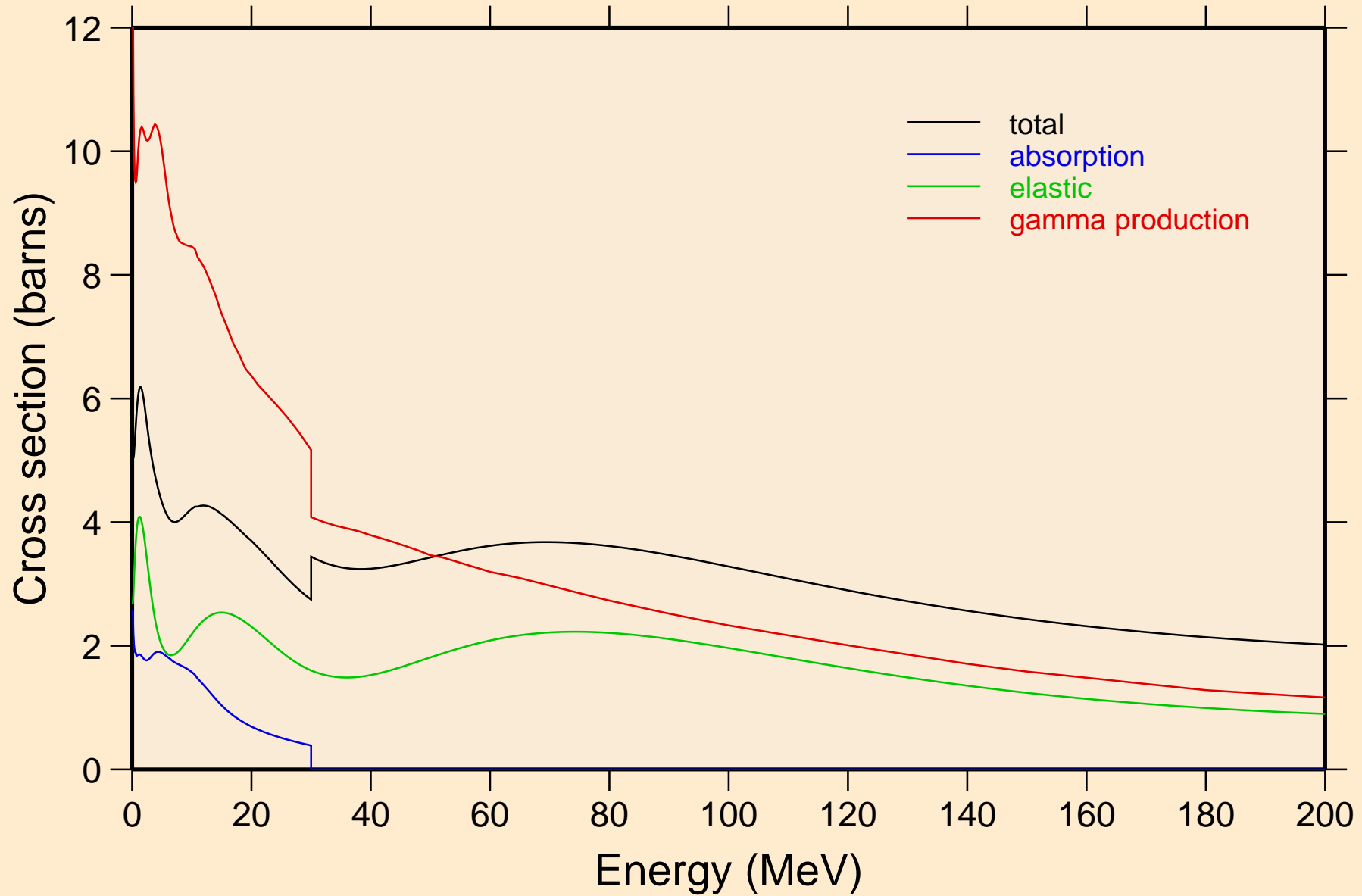
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Non-threshold reactions





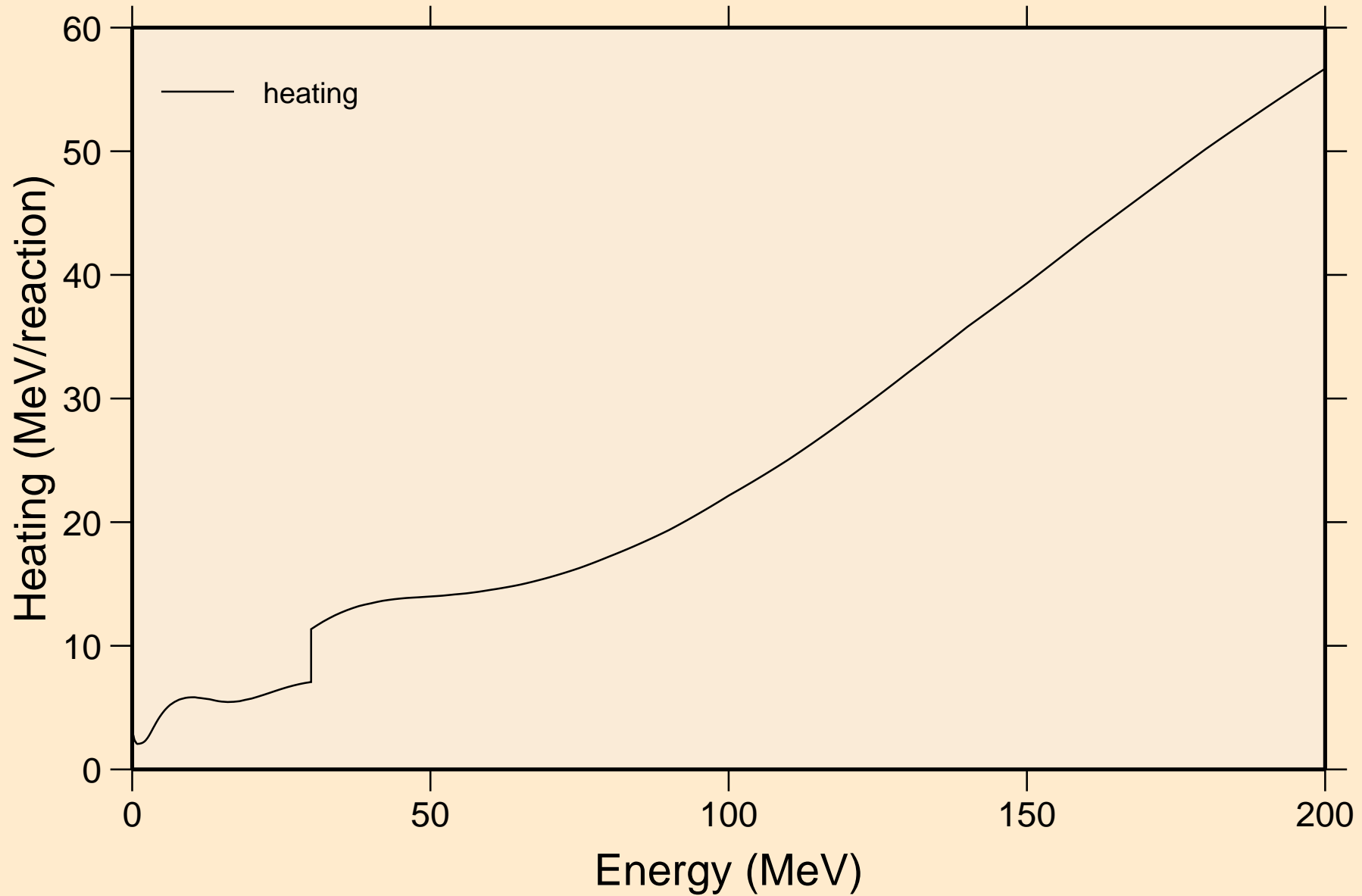
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## Principal cross sections

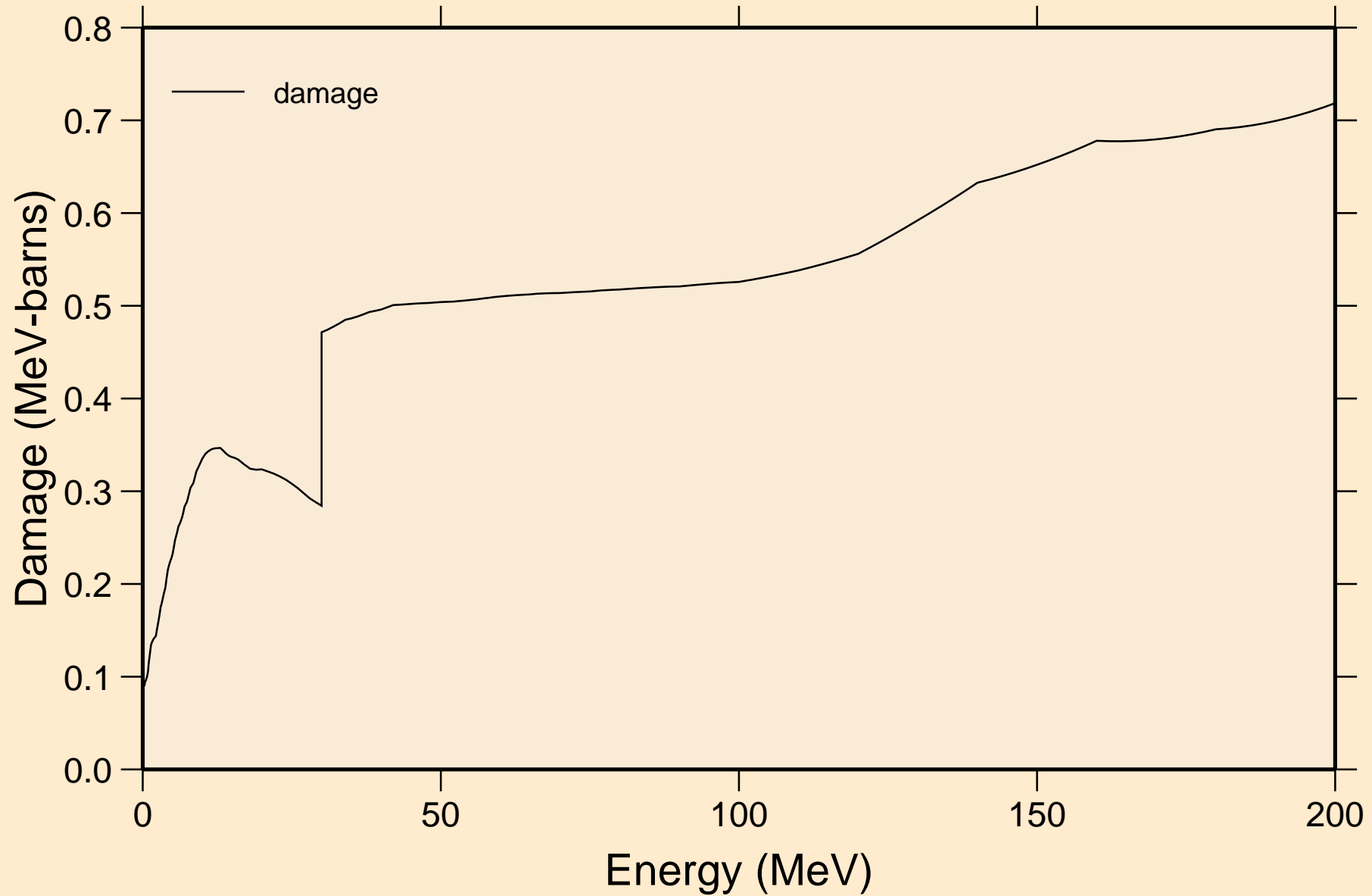


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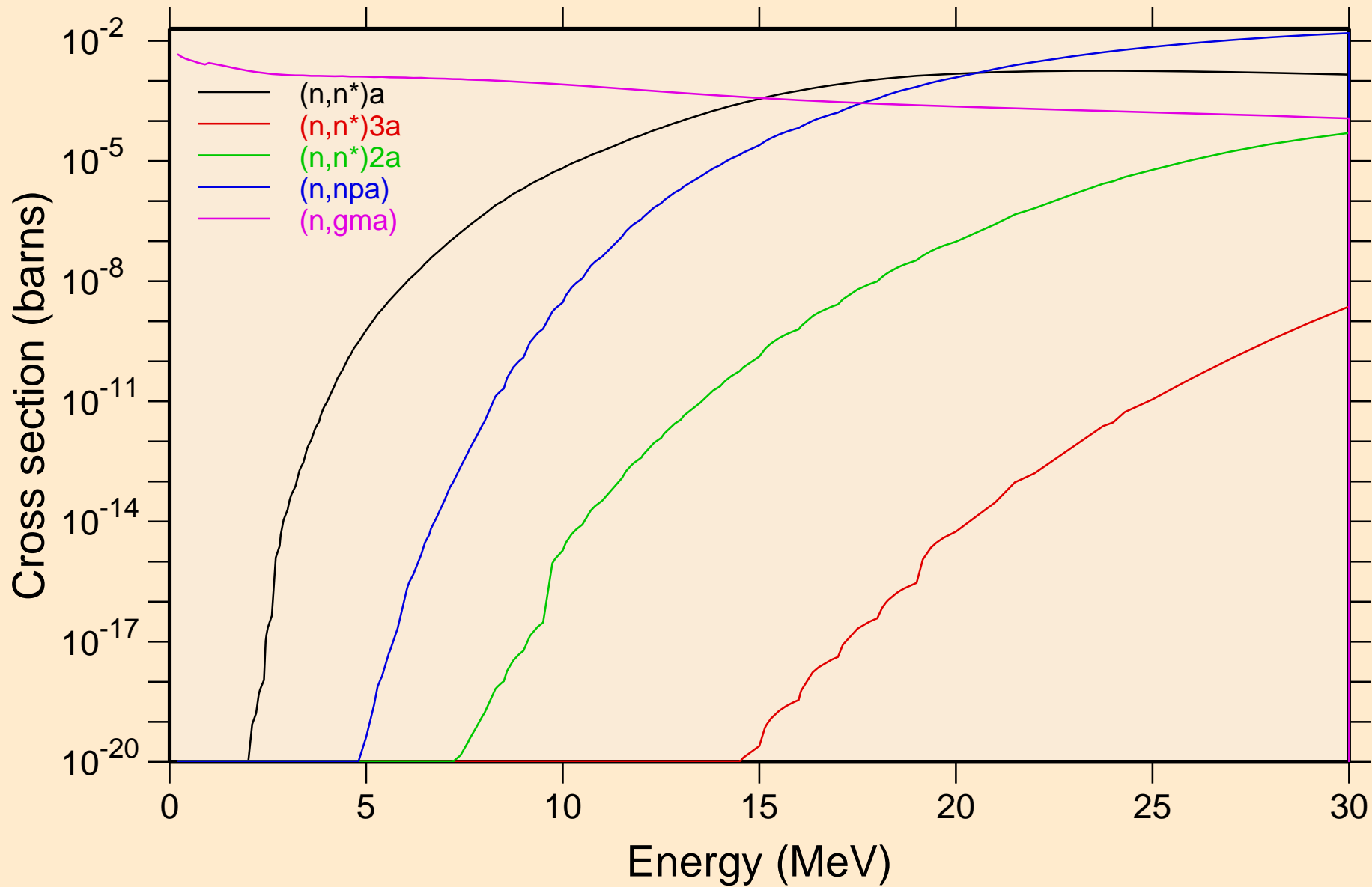
Heating



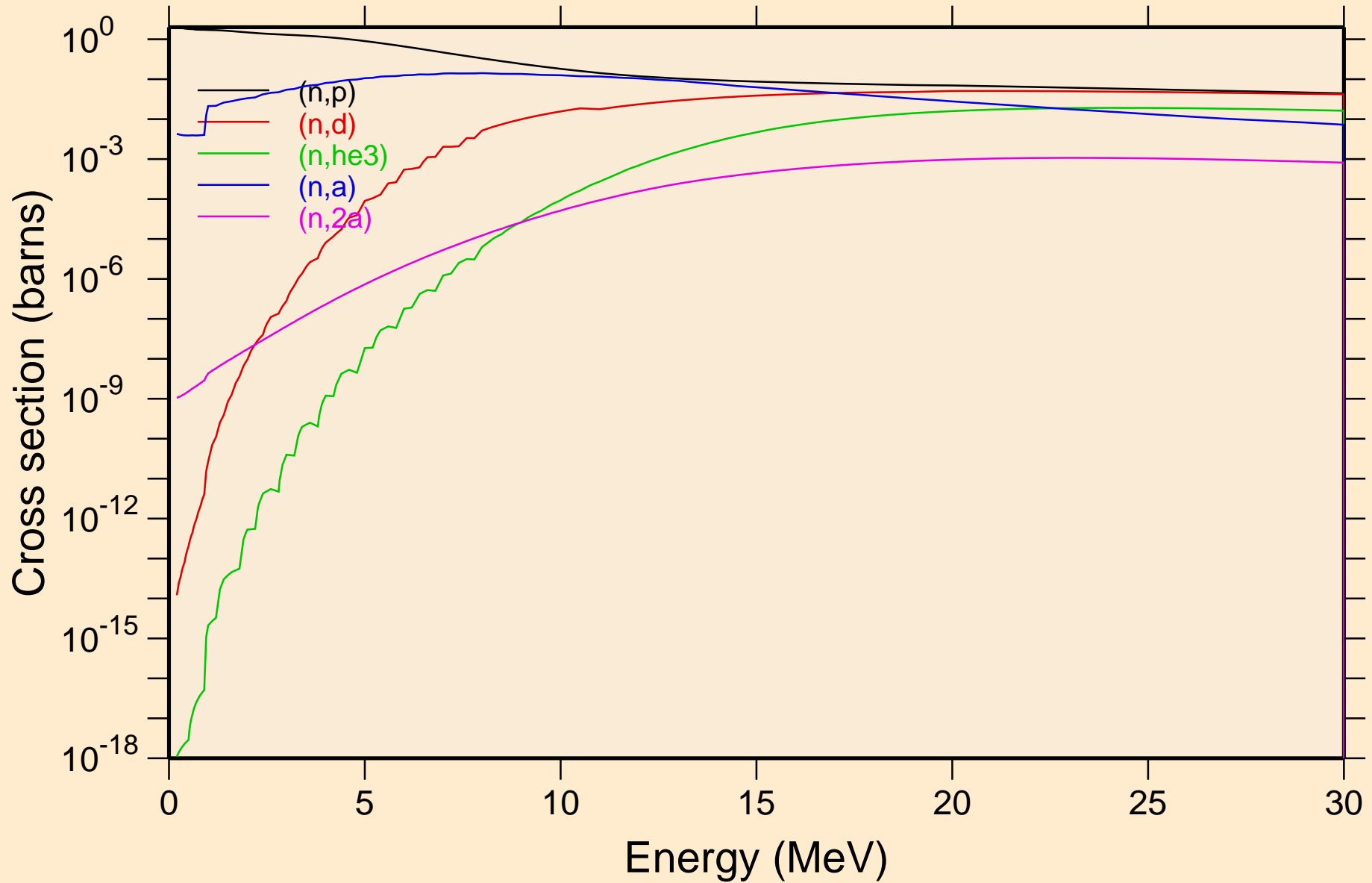
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Damage



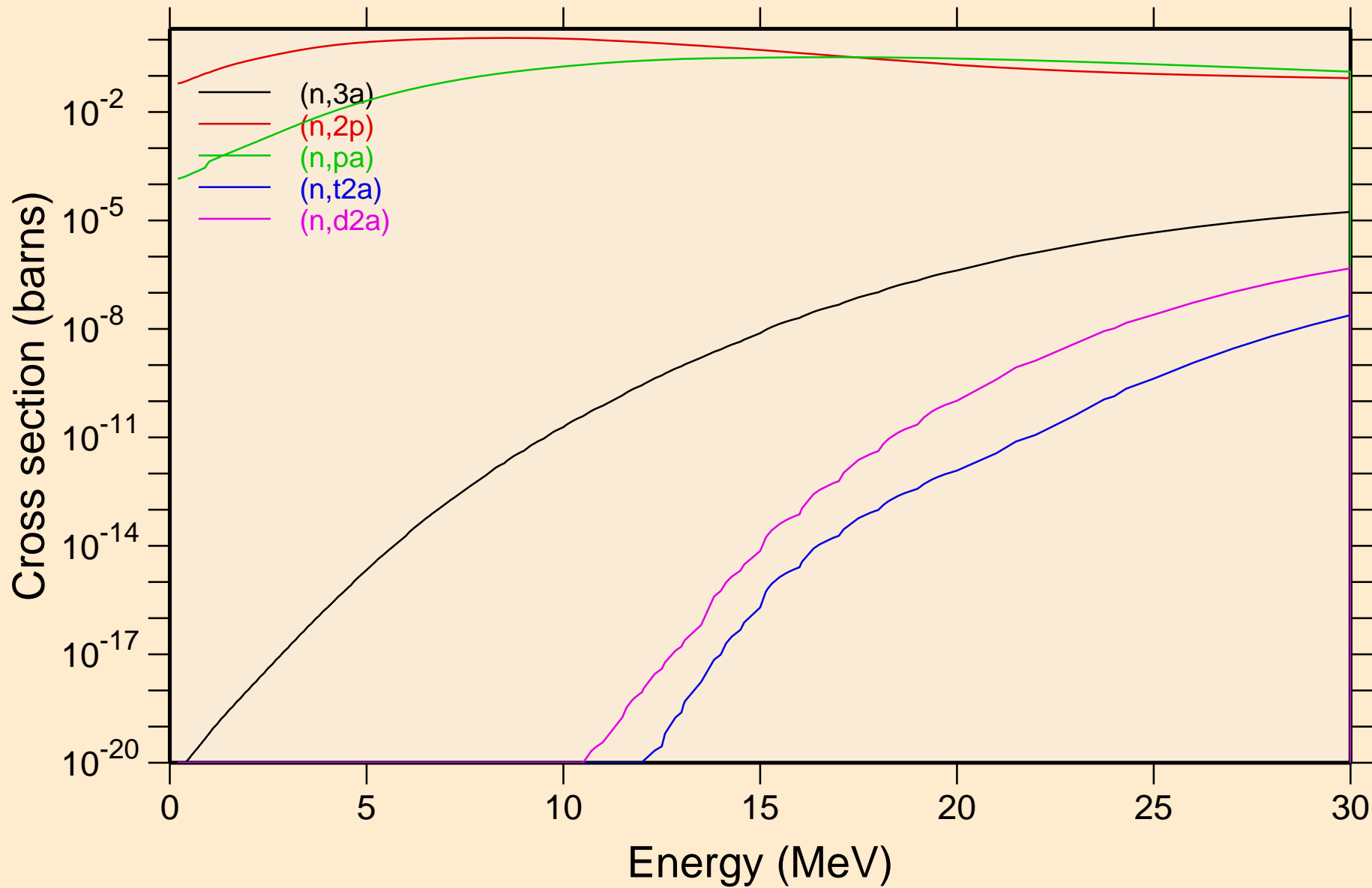
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Non-threshold reactions



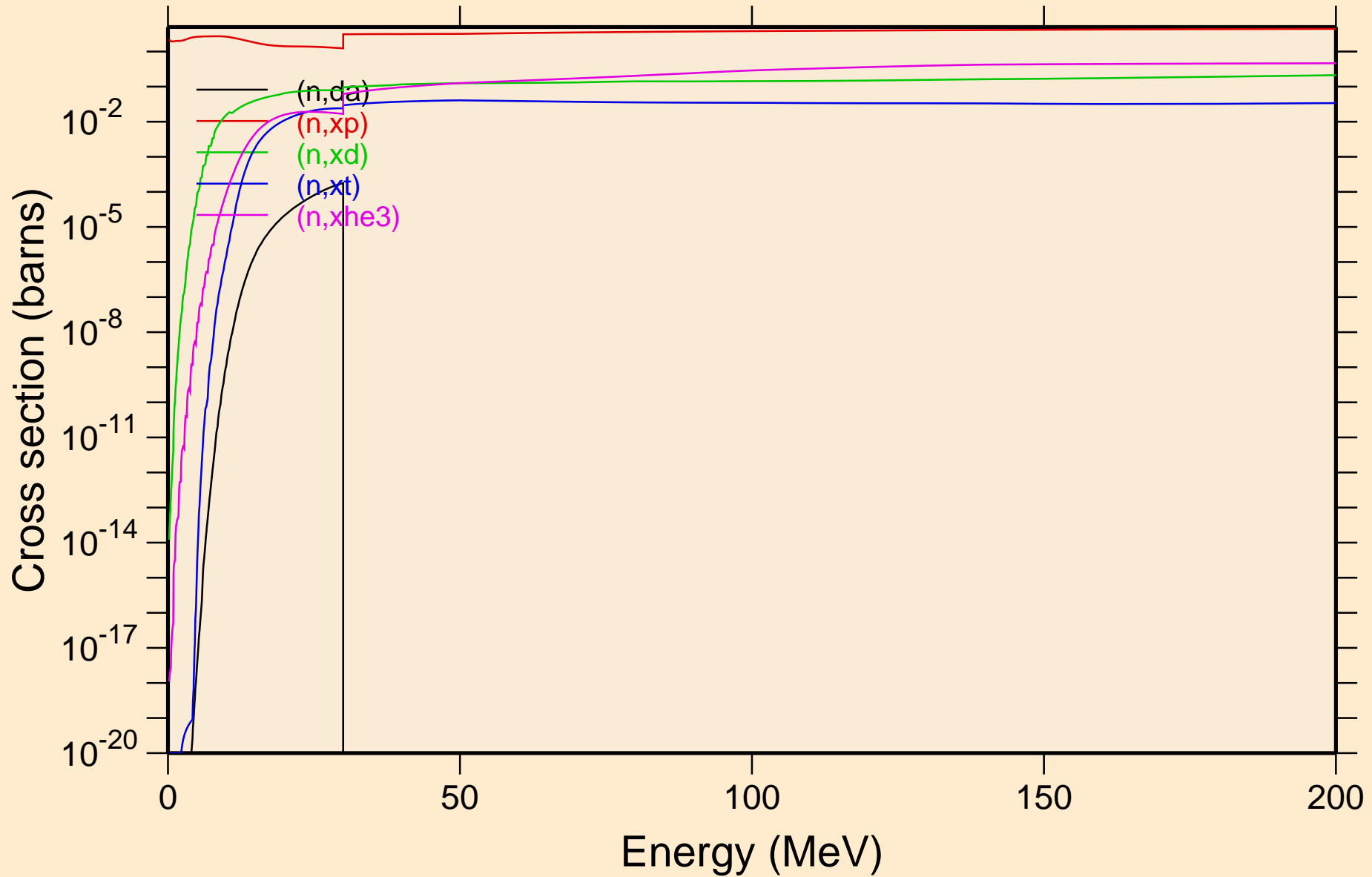
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Non-threshold reactions



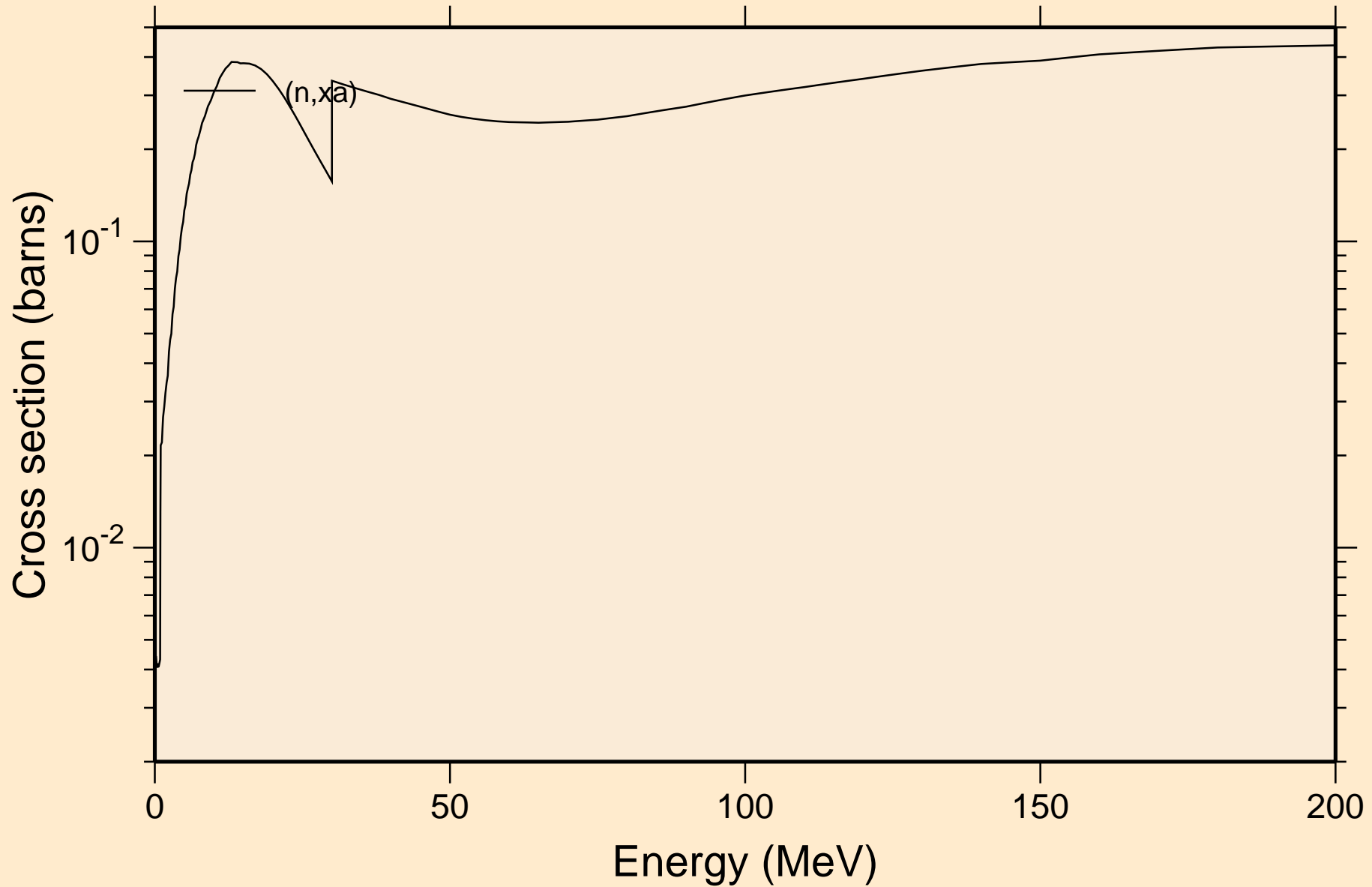
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Non-threshold reactions



LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

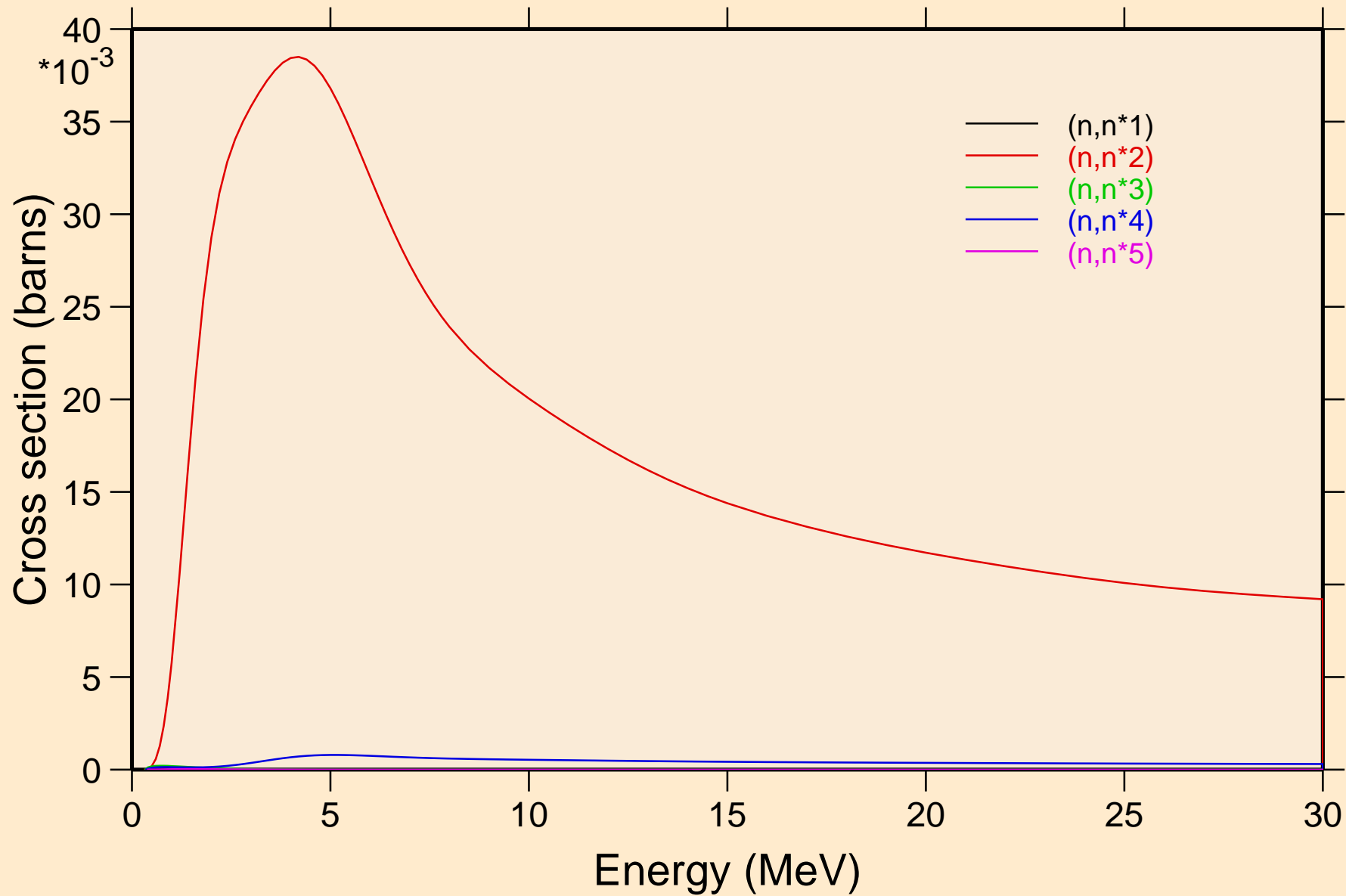


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Non-threshold reactions

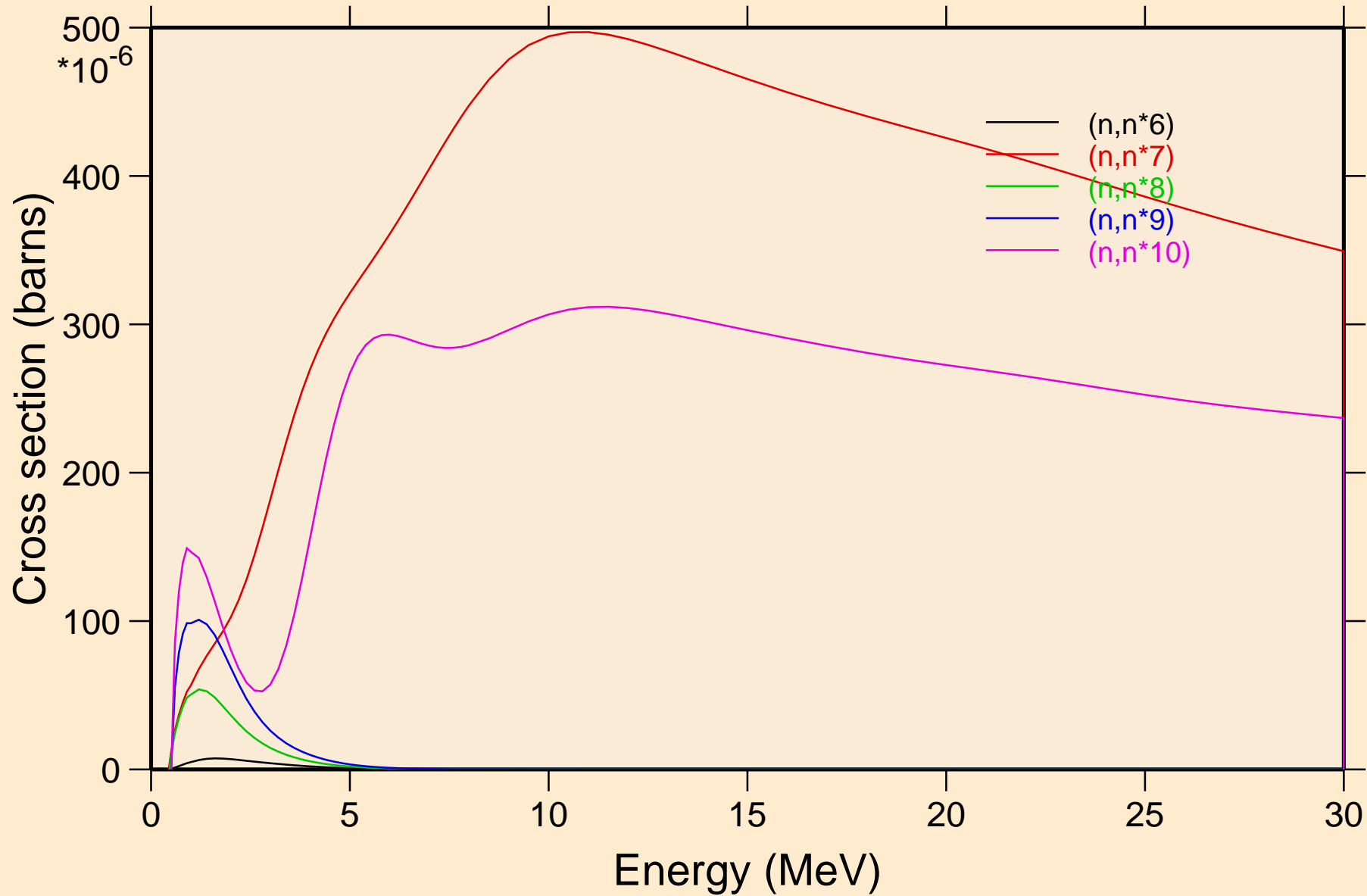




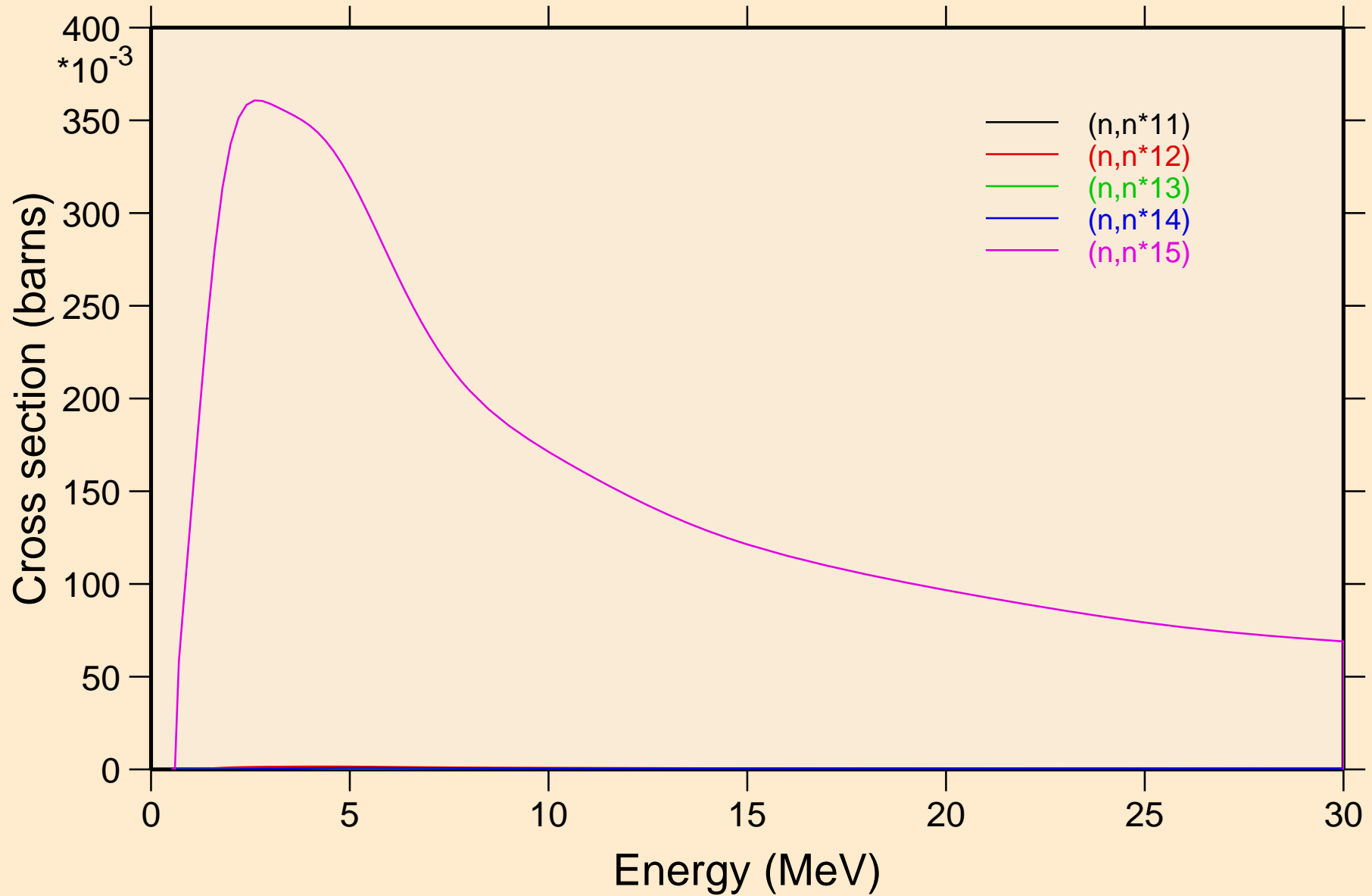
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Inelastic levels



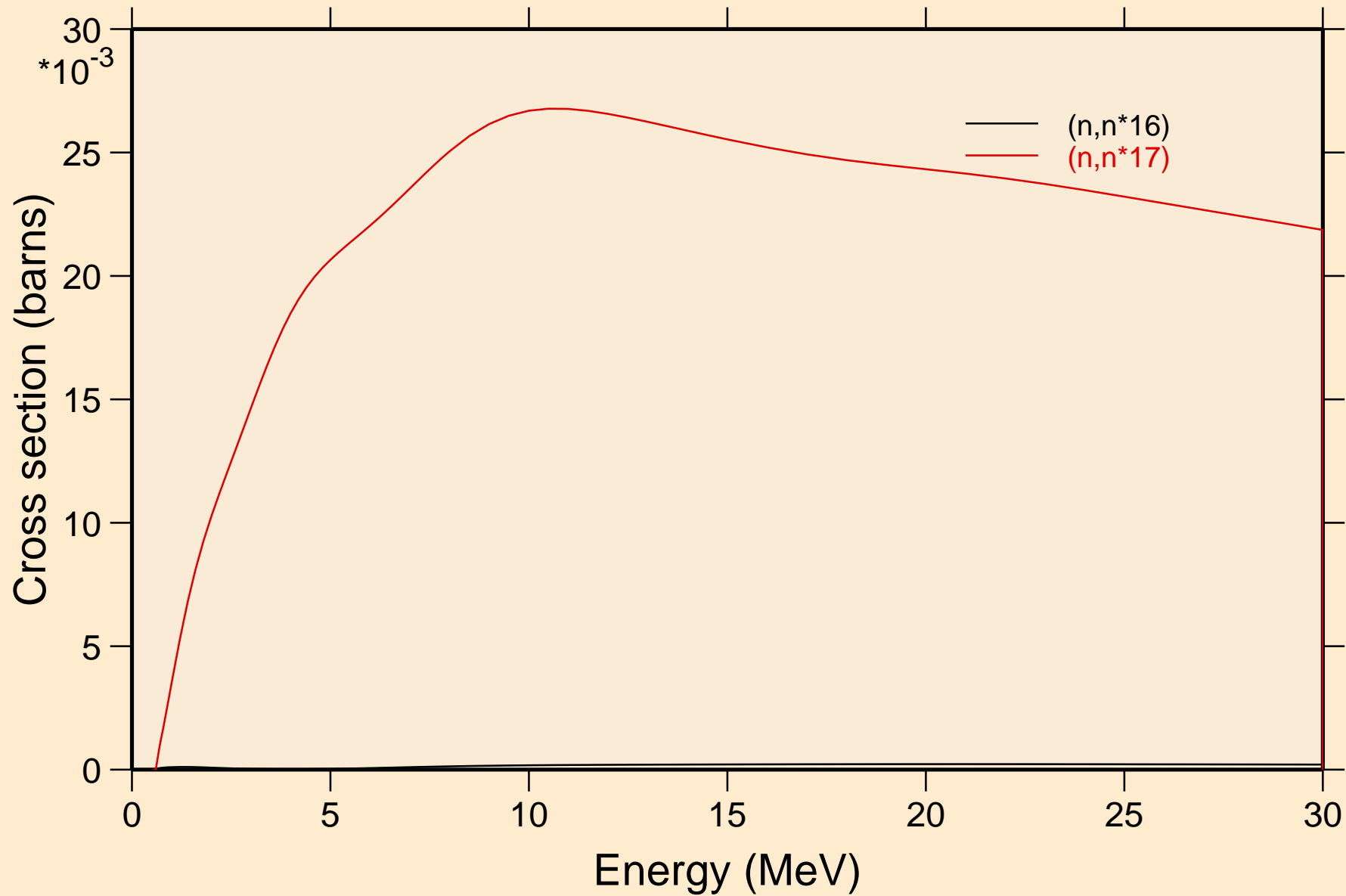
LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

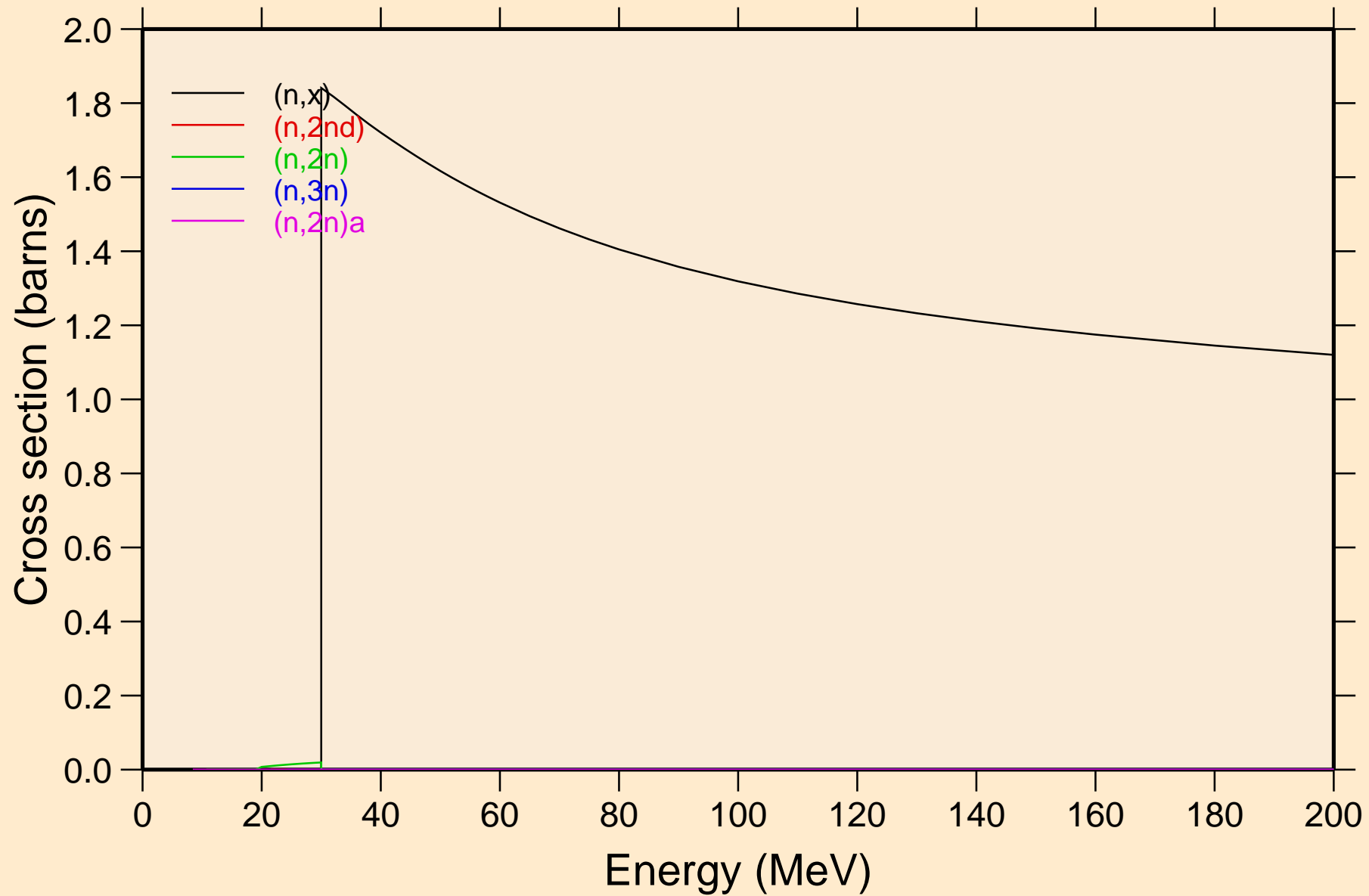


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Inelastic levels

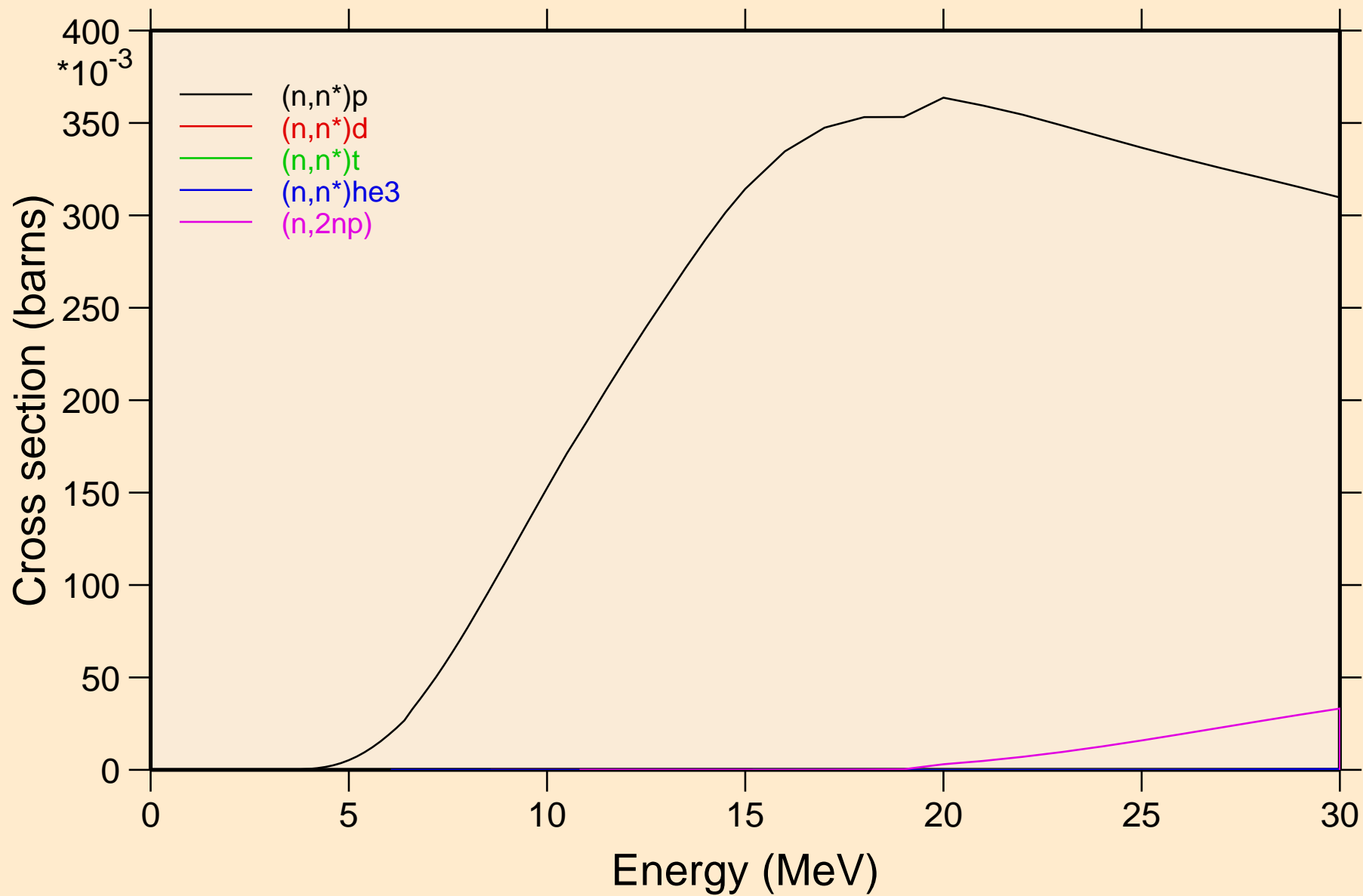


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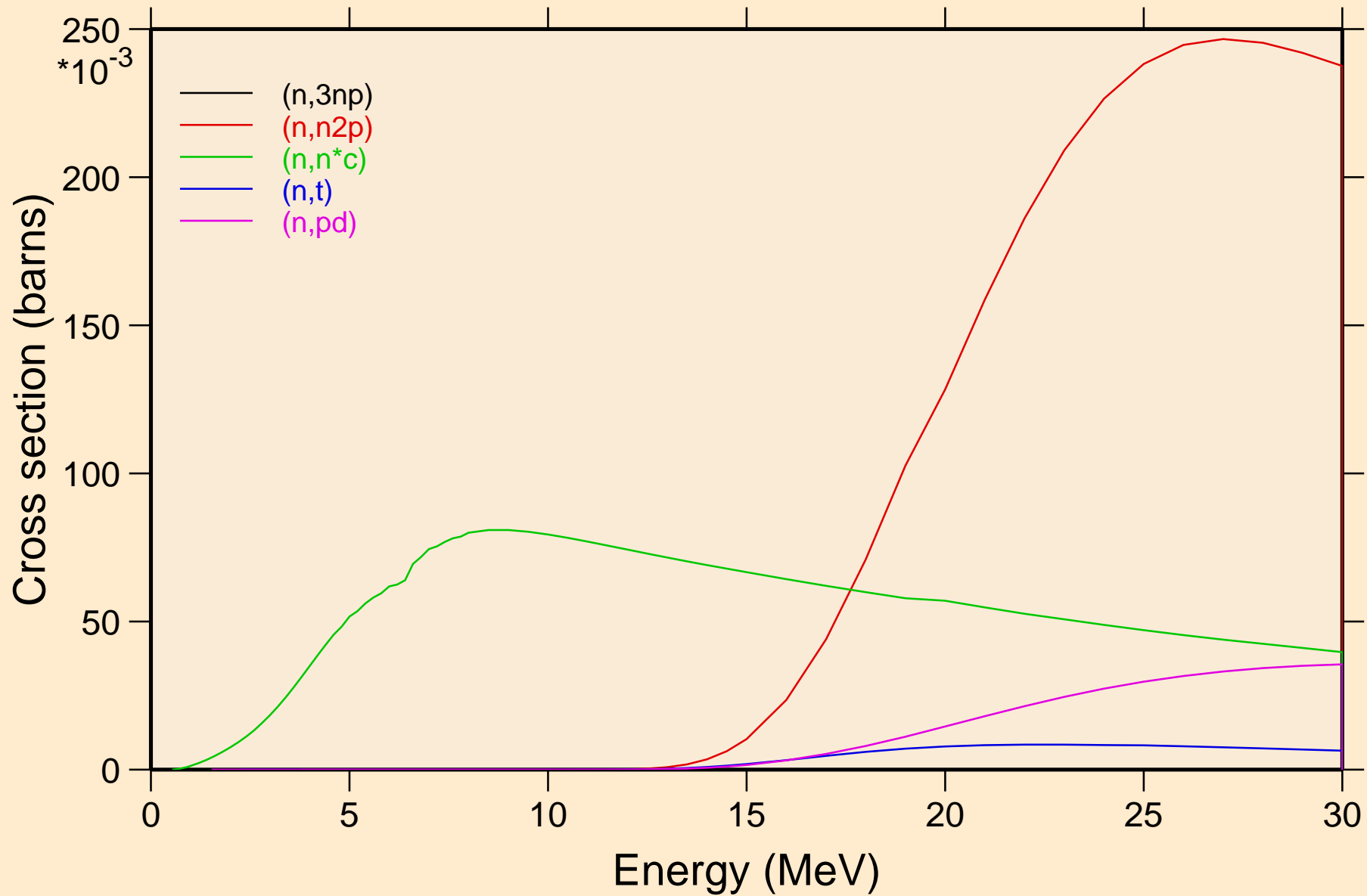
## Threshold reactions



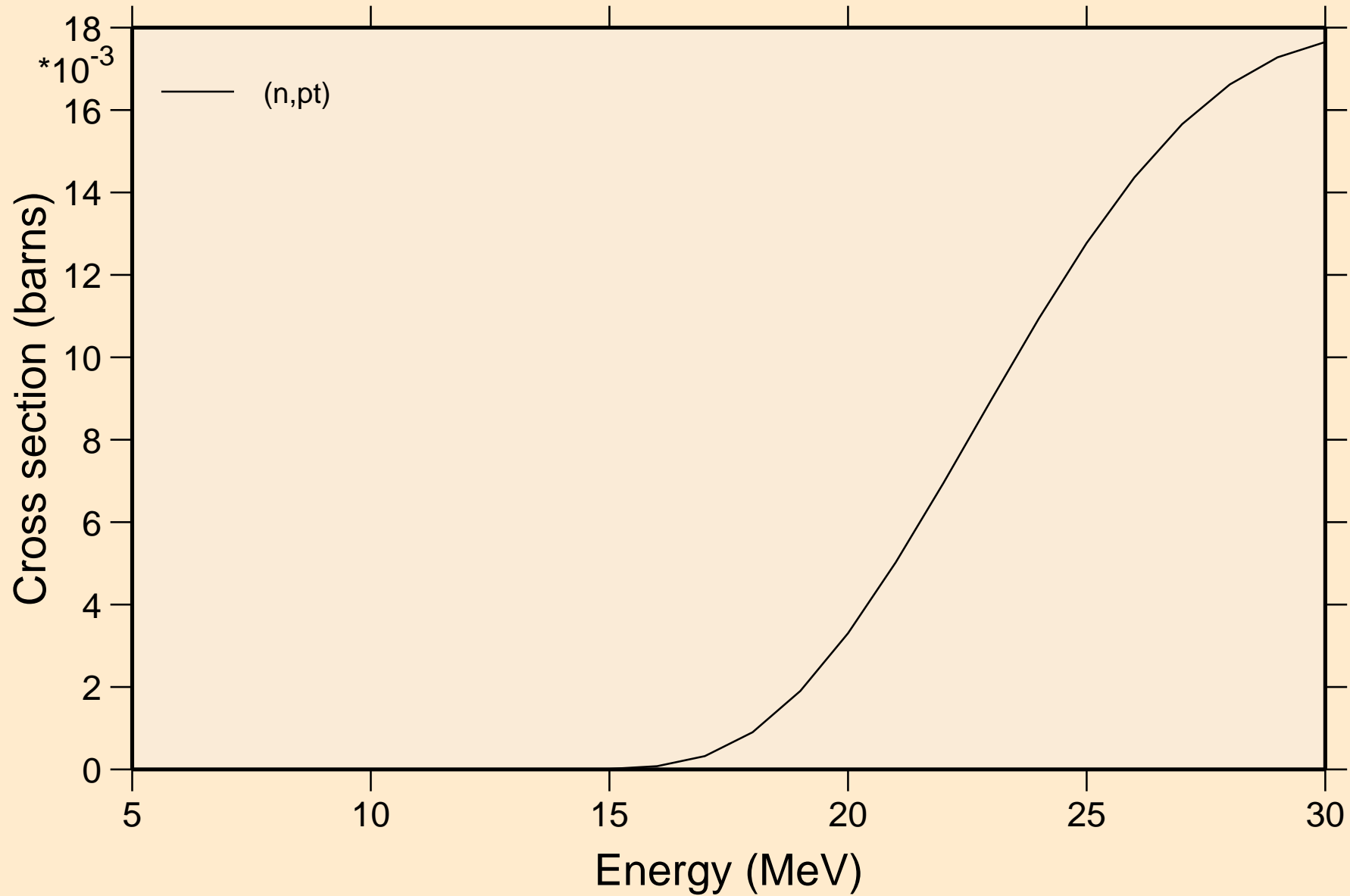
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Threshold reactions



LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

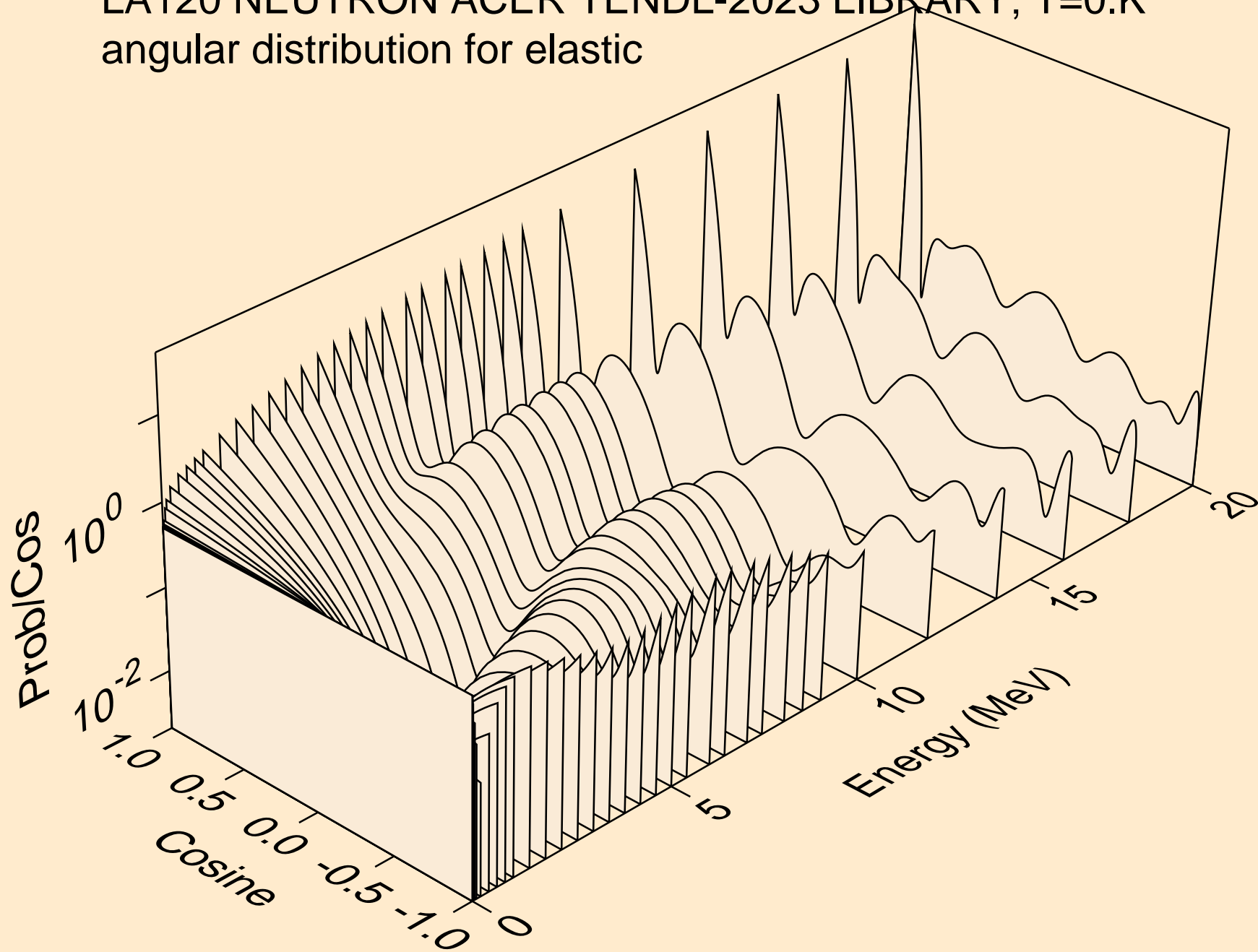


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Threshold reactions

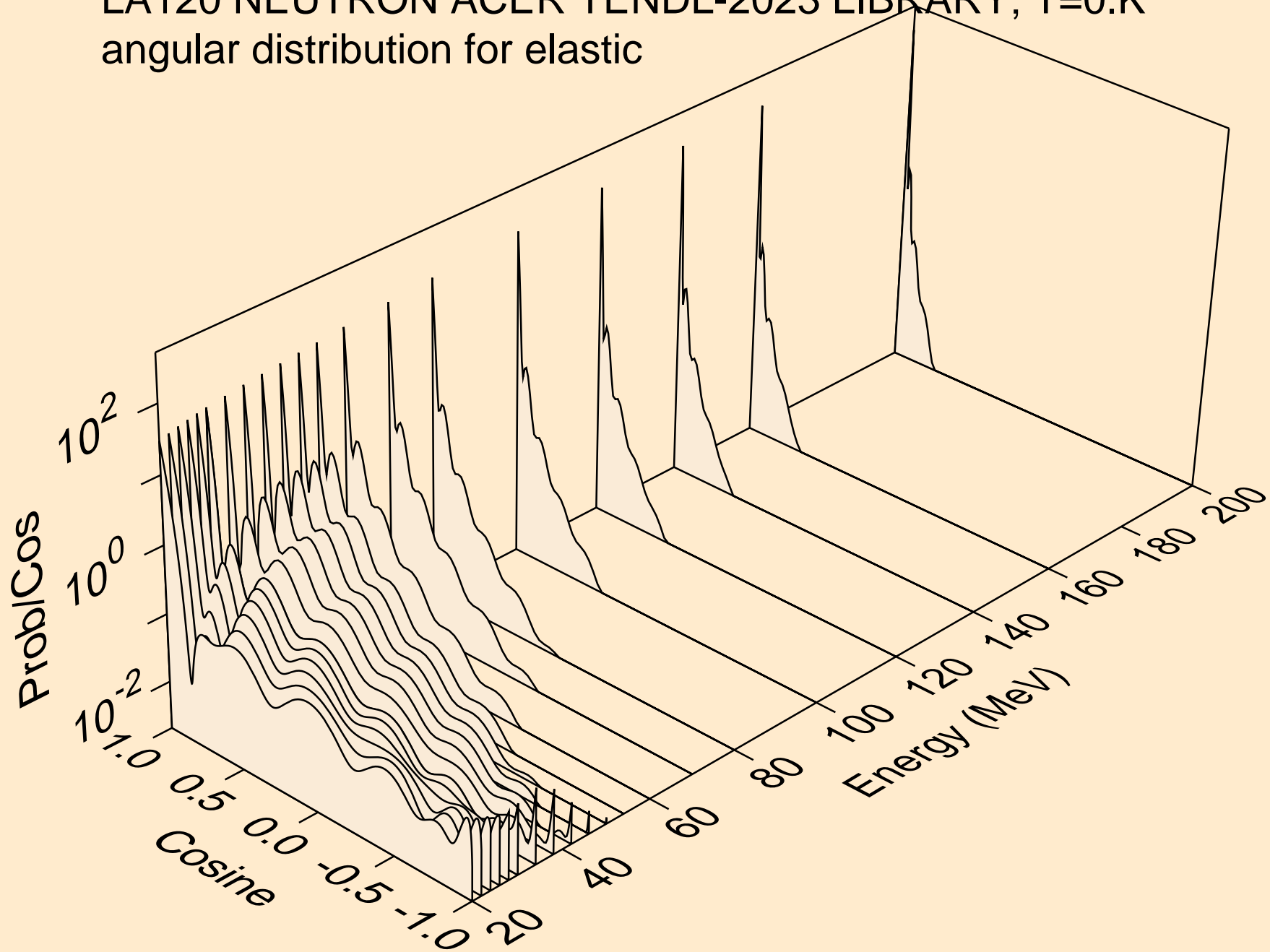




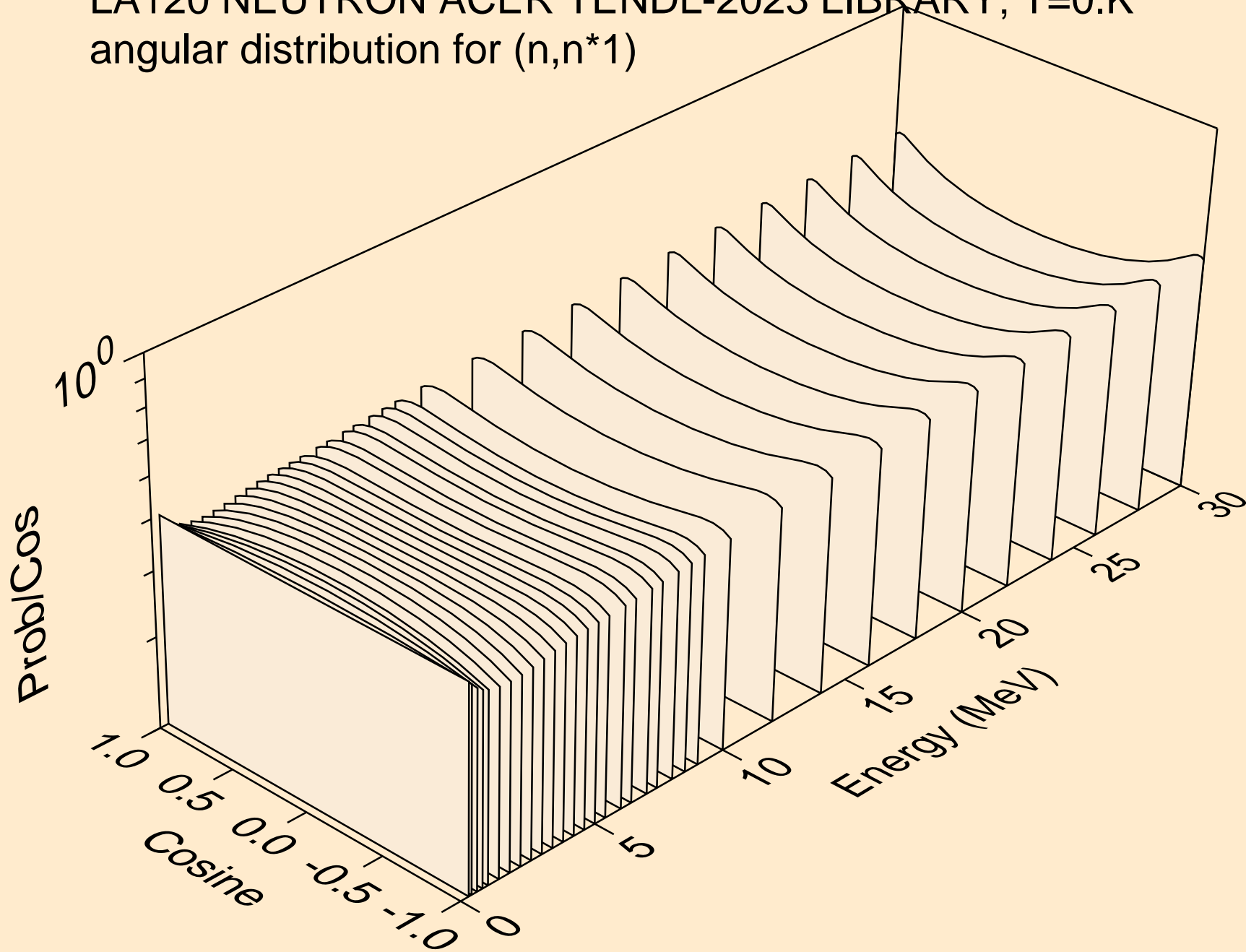
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angular distribution for elastic



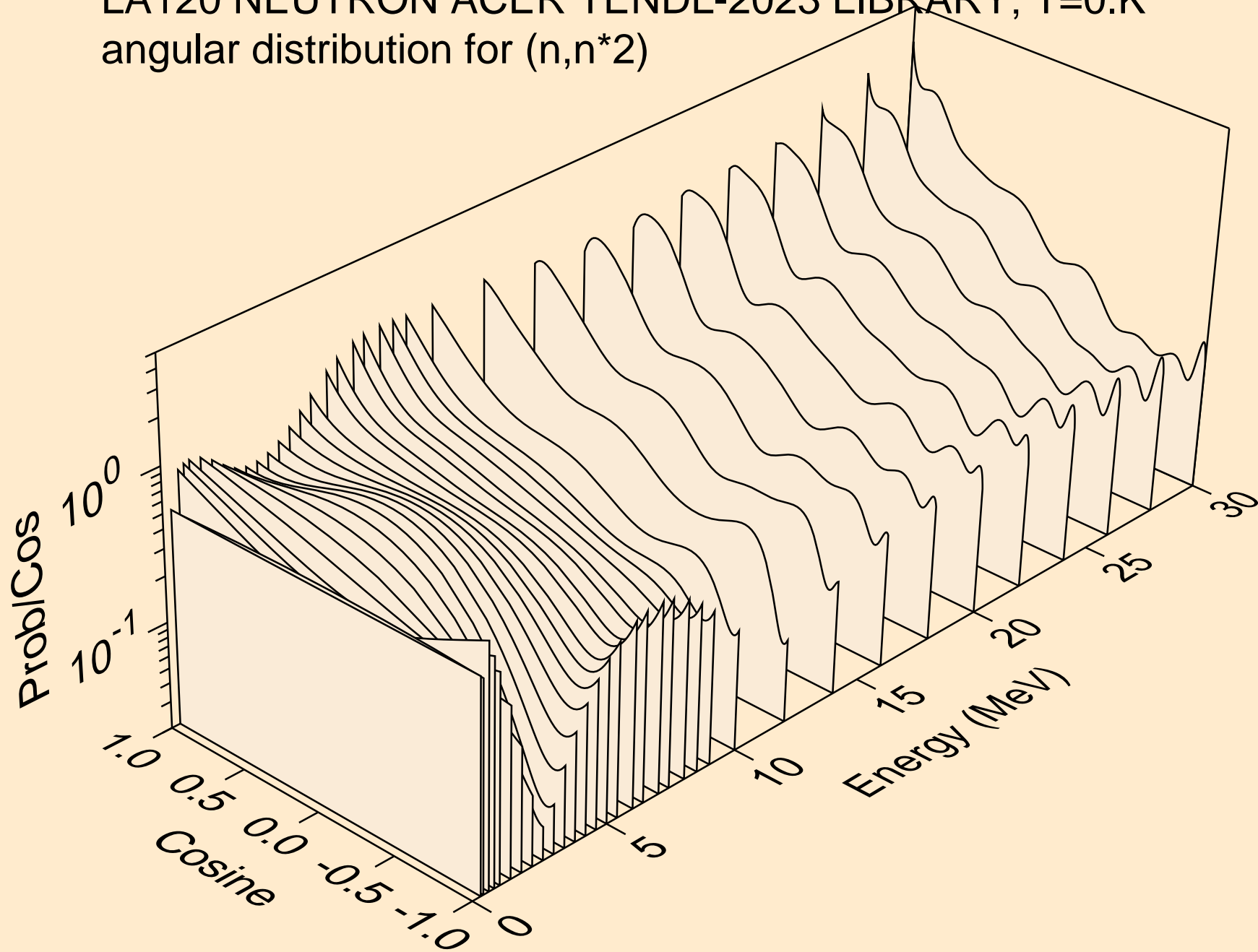
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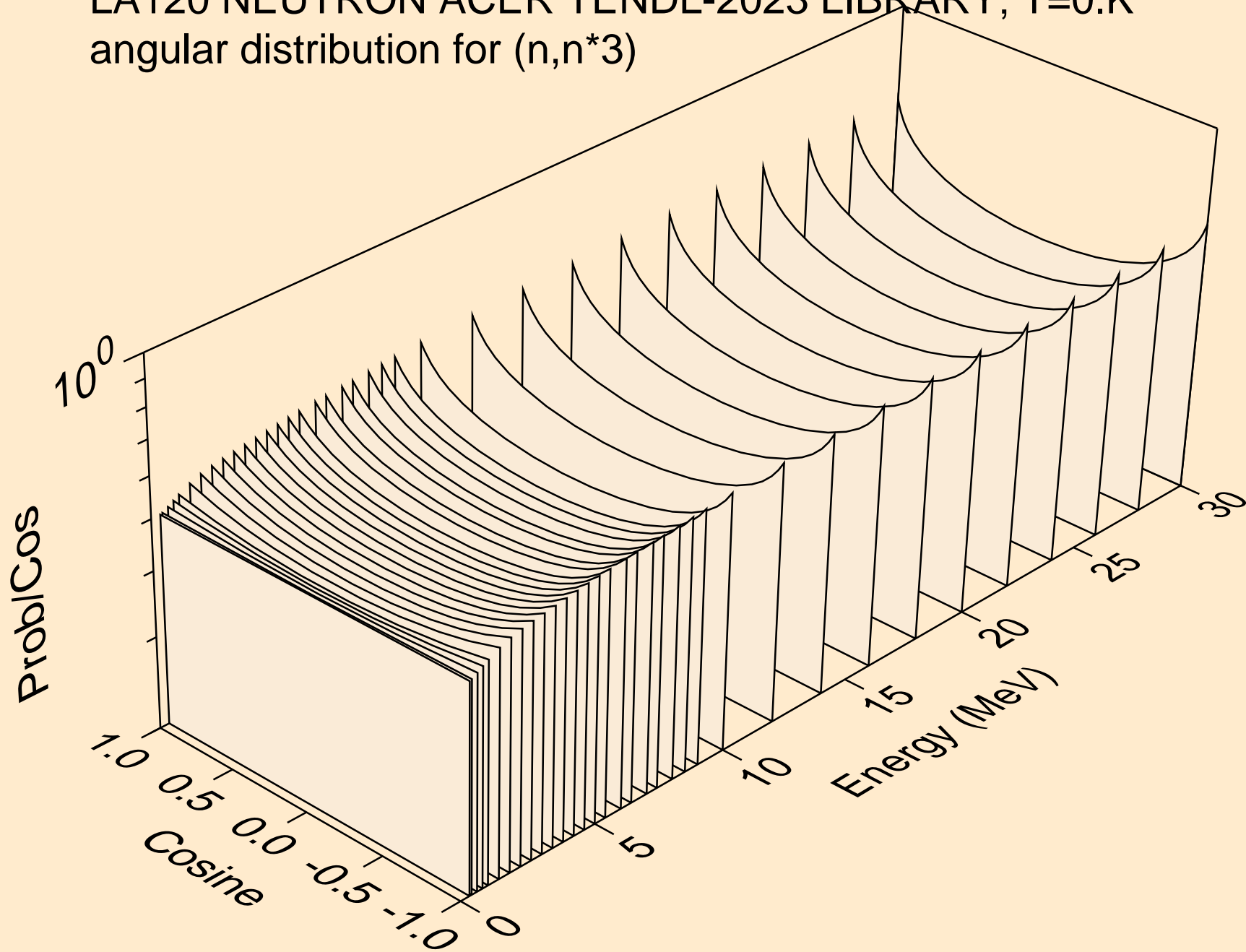
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angular distribution for (n,n\*1)



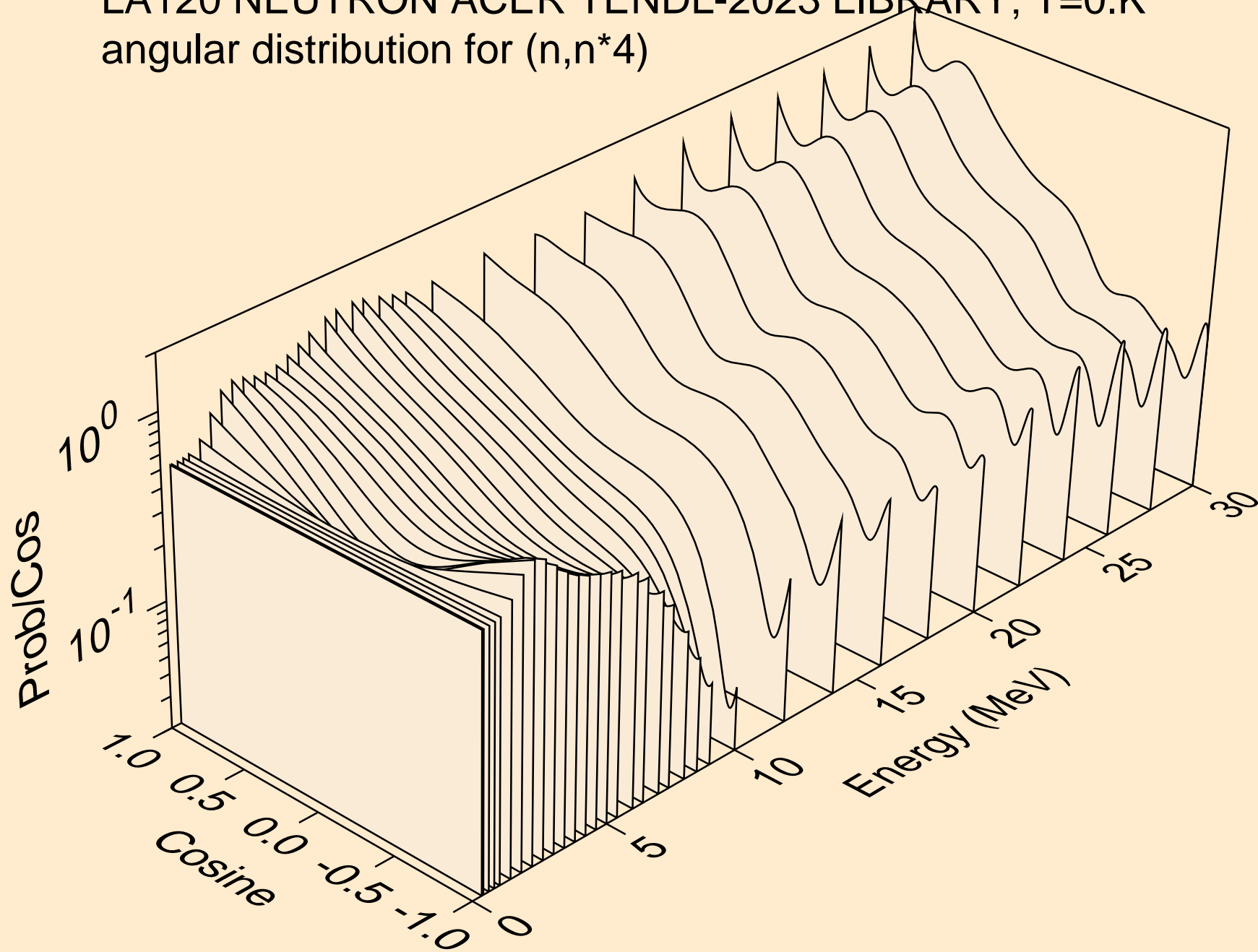
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angular distribution for (n,n\*2)



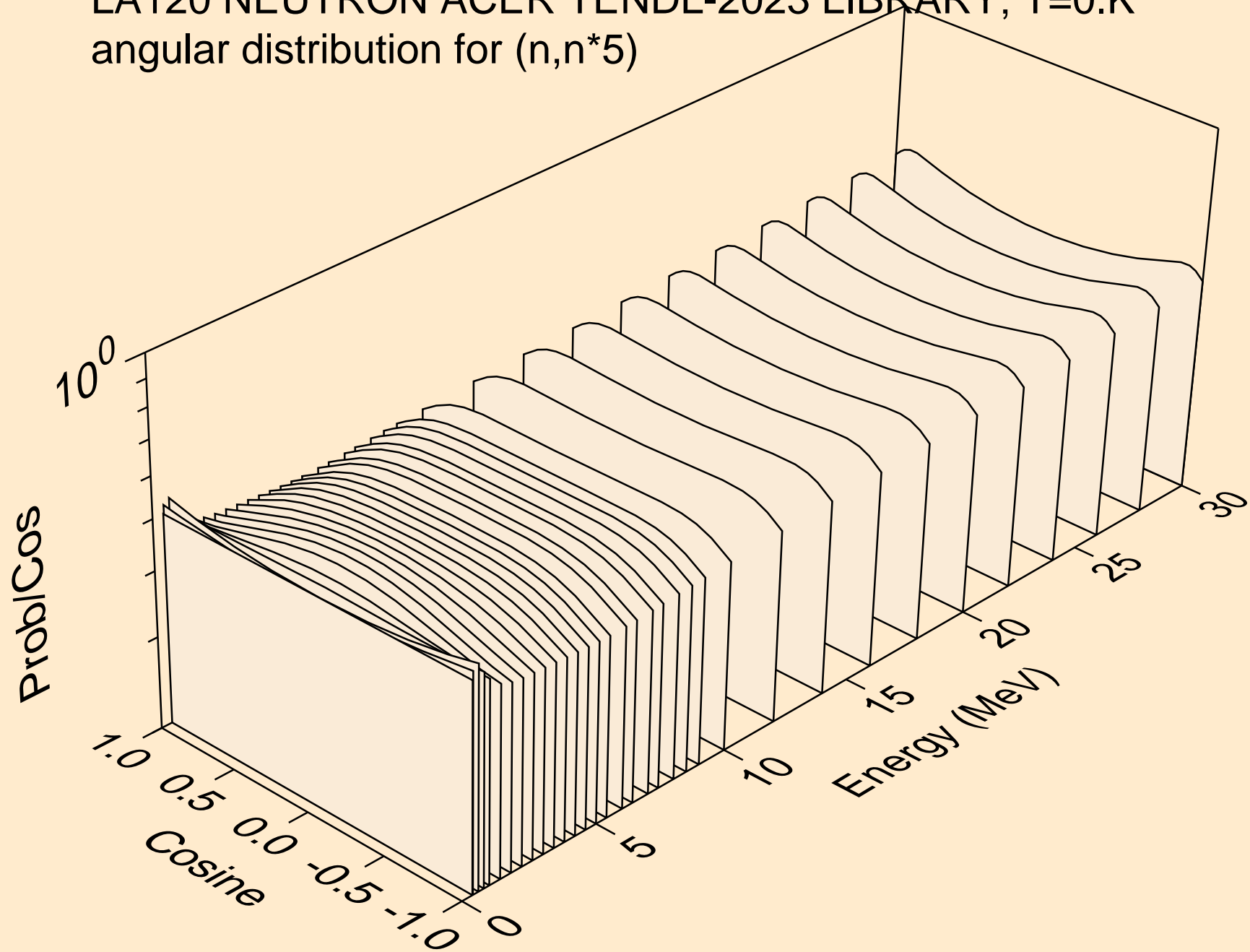
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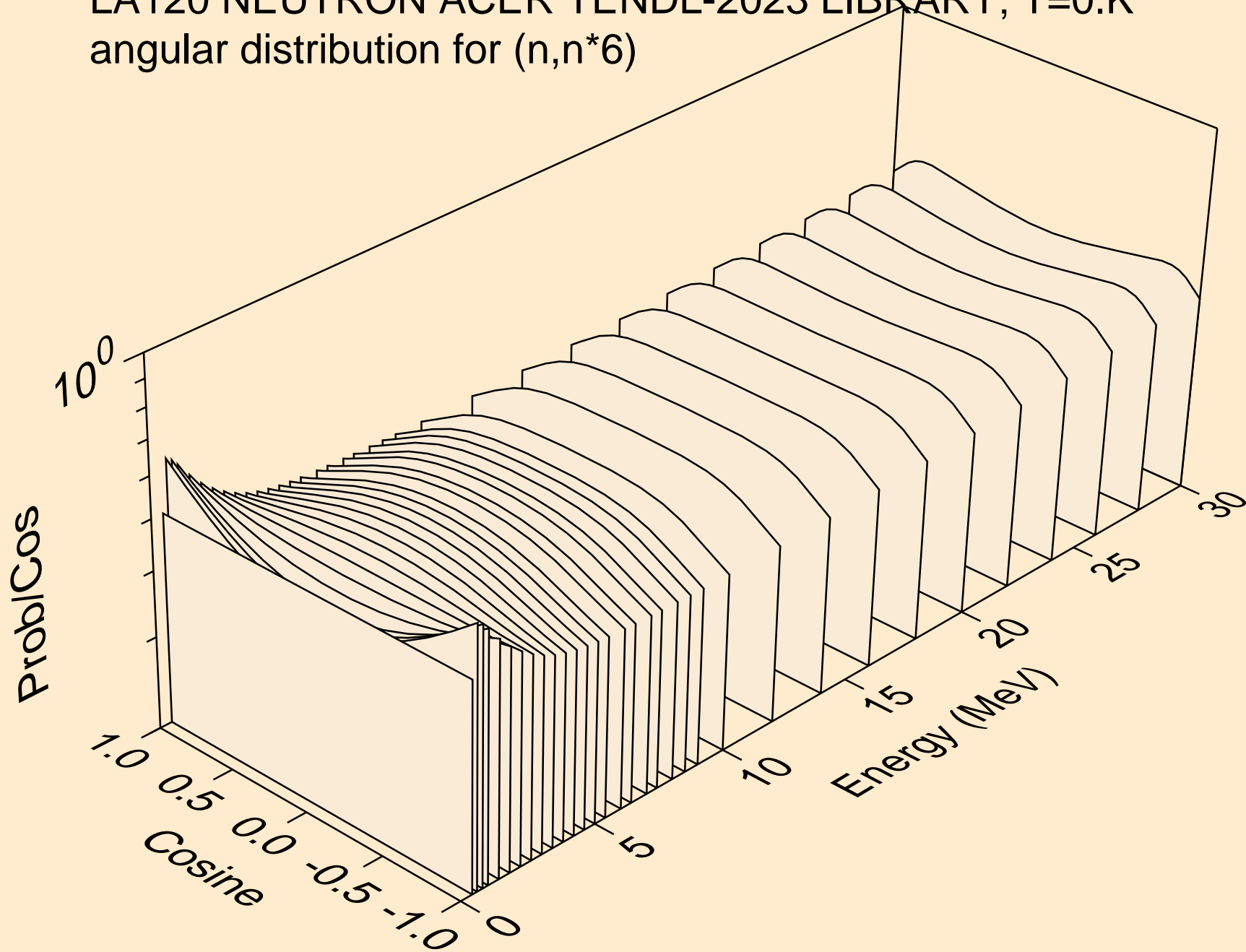
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angular distribution for (n,n\*4)



LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)

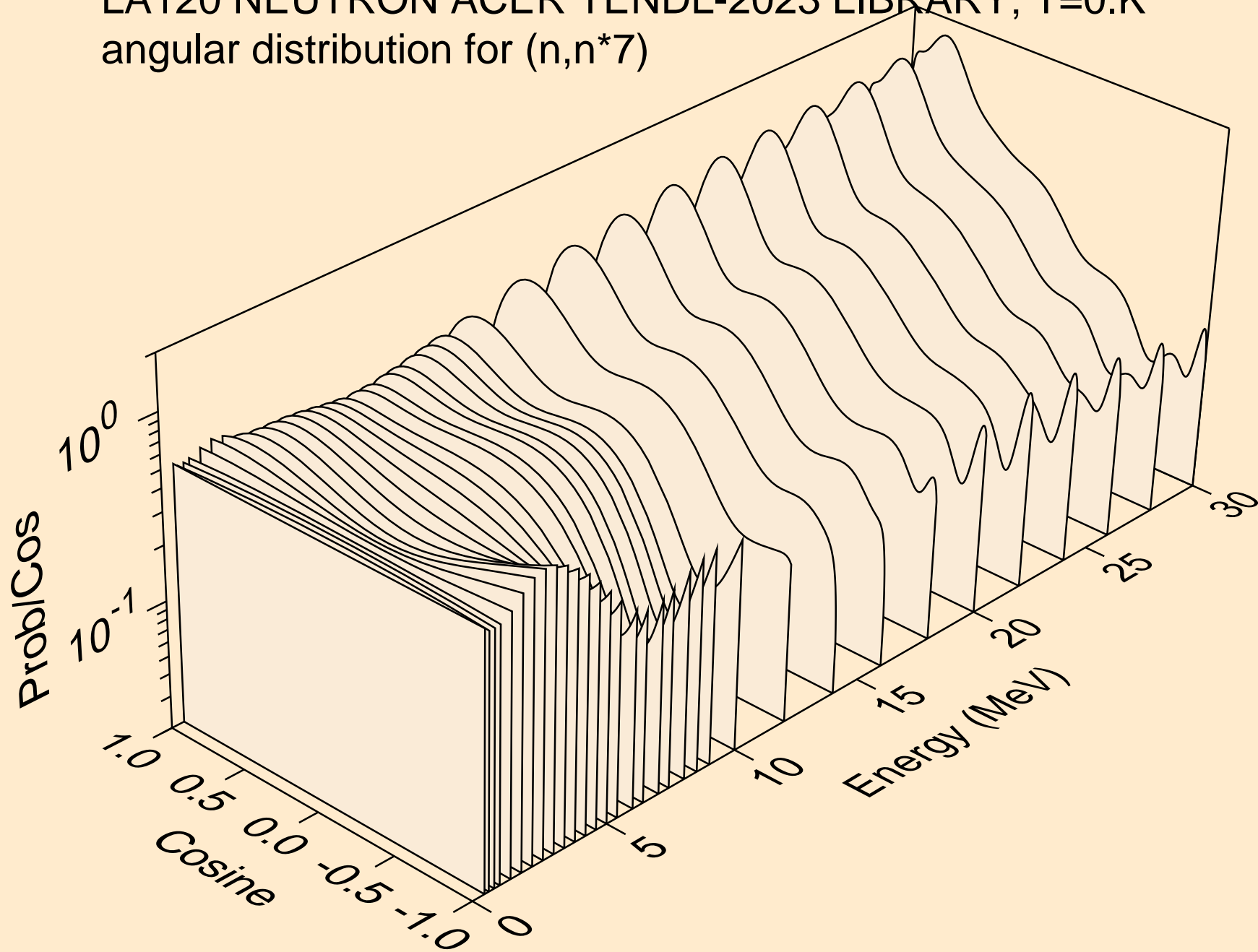


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angular distribution for (n,n\*6)

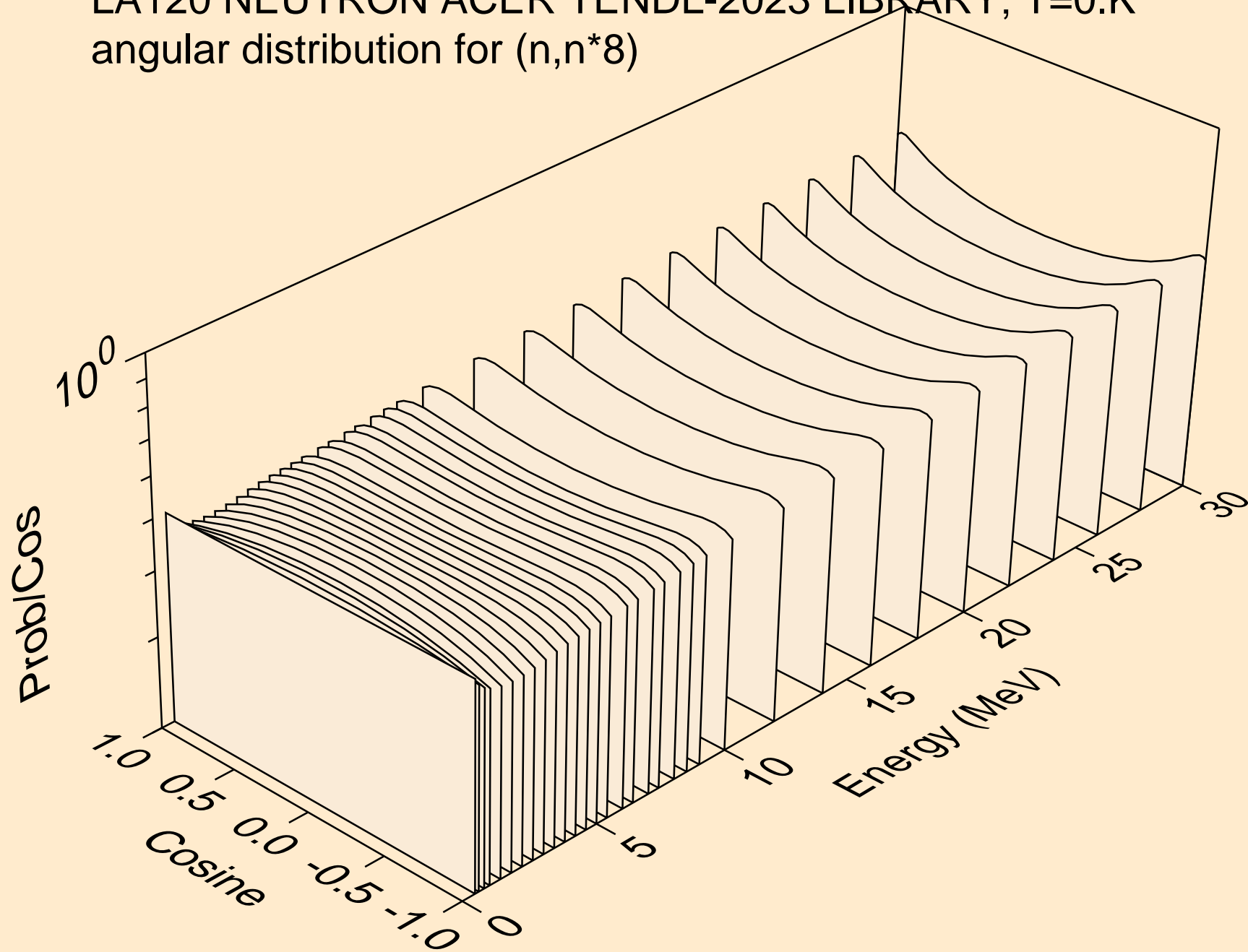




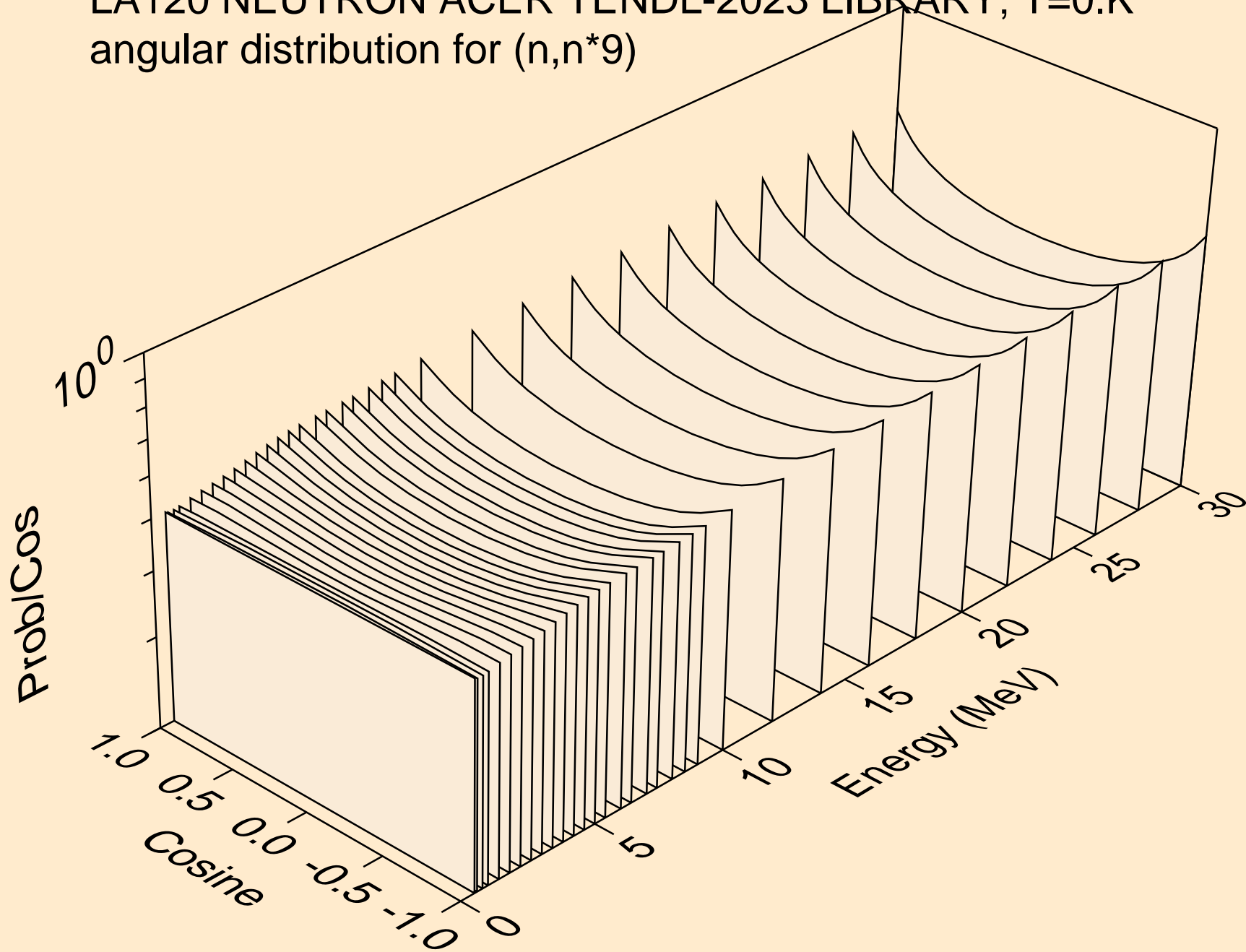
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angular distribution for (n,n\*7)



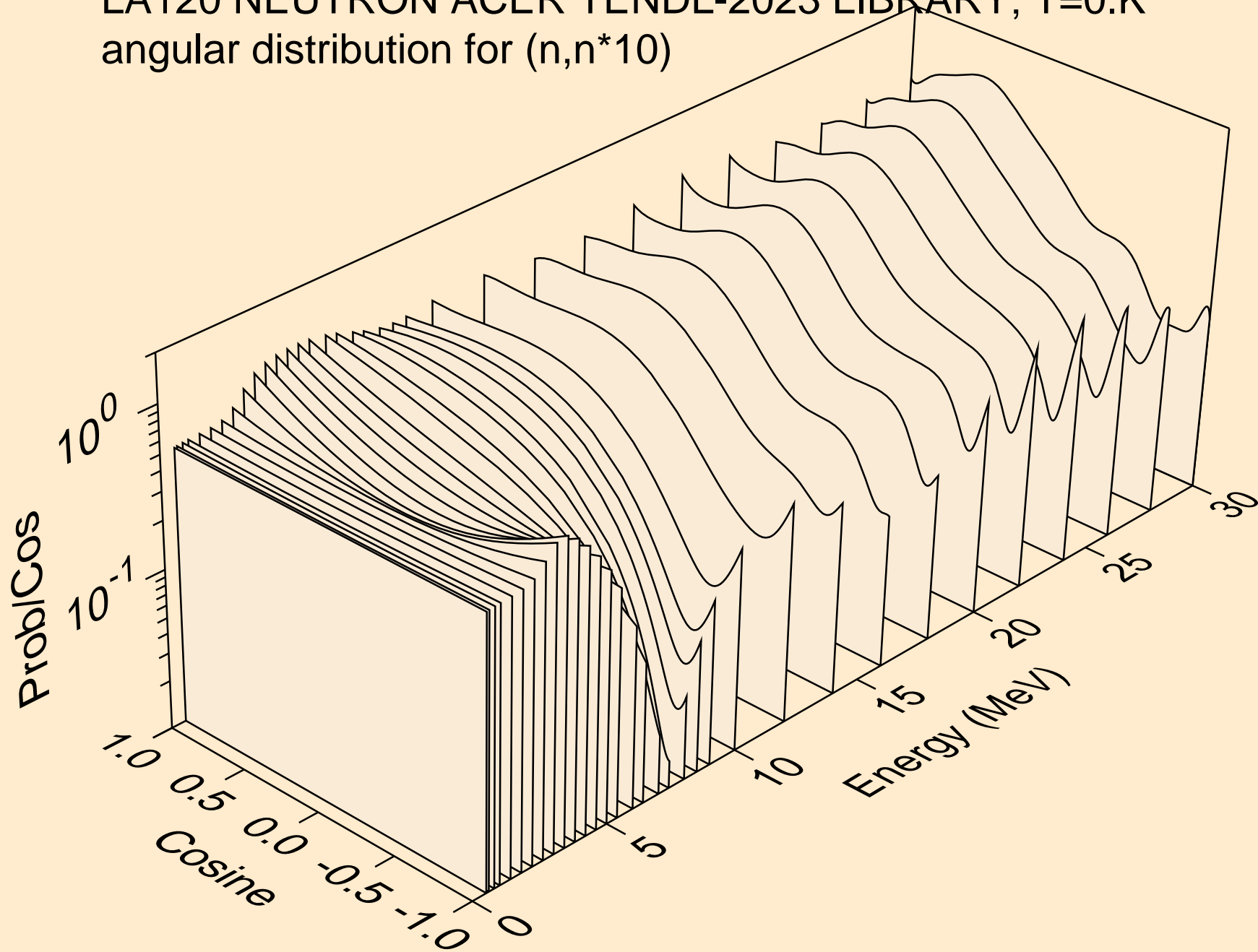
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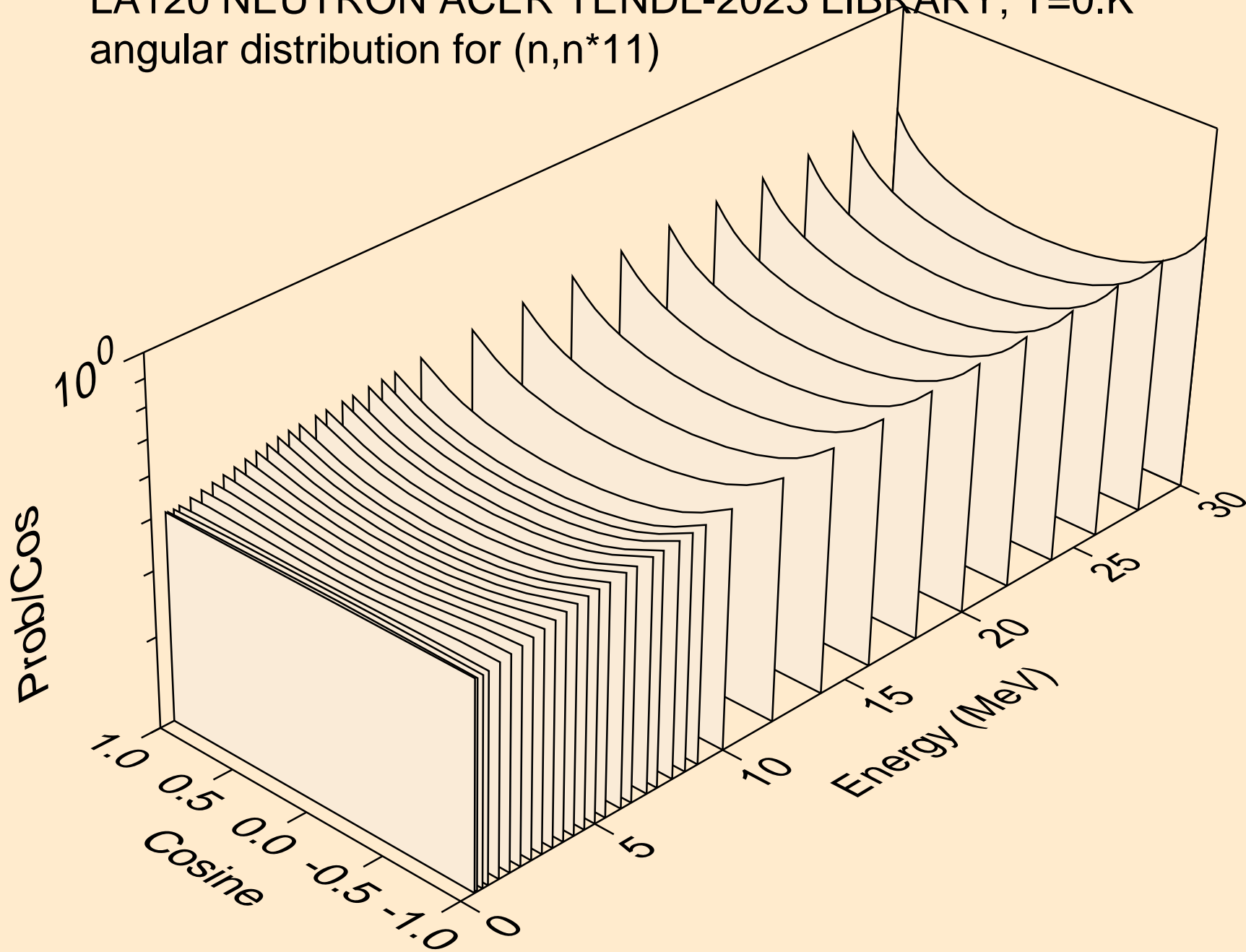
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angular distribution for (n,n\*9)



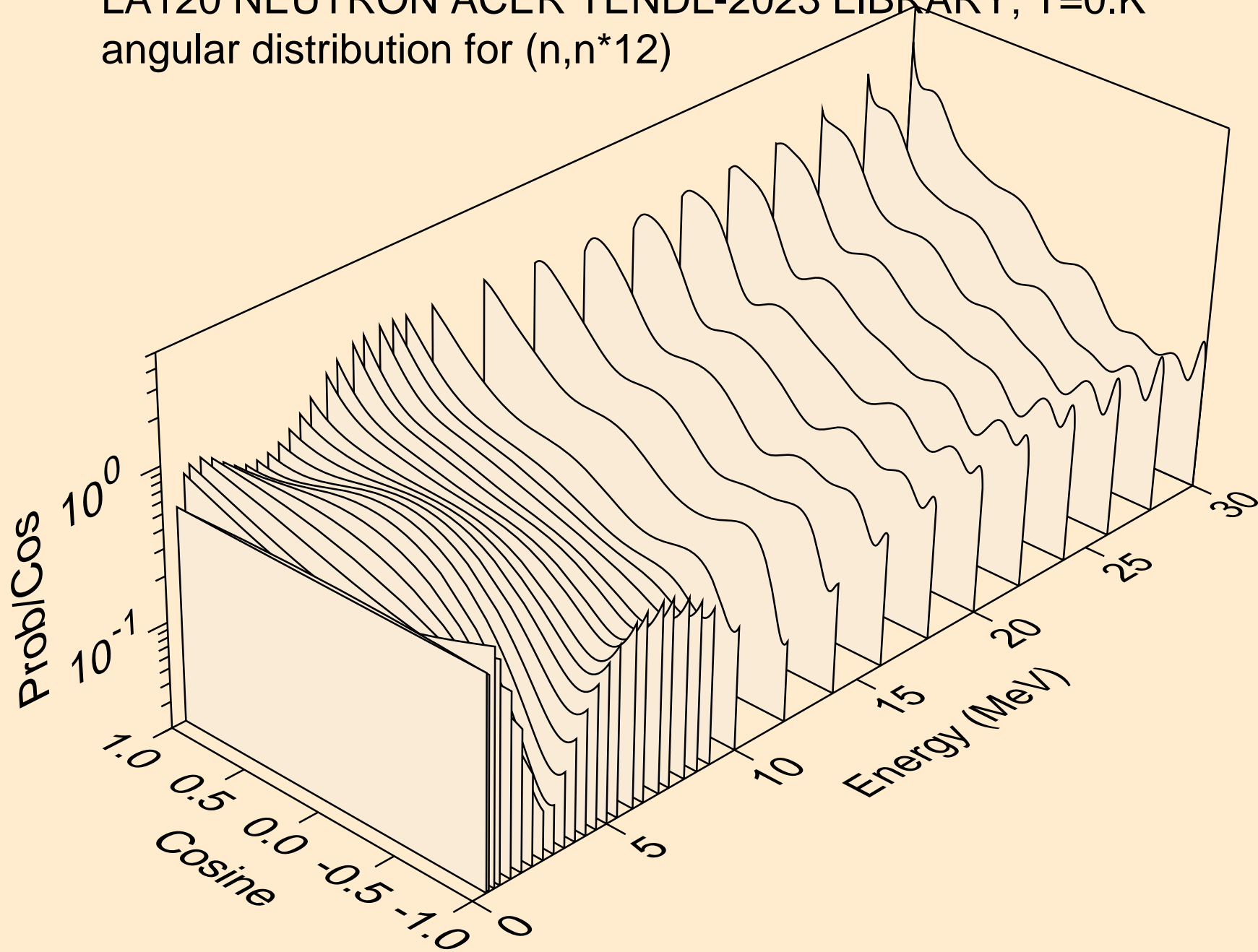
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angular distribution for (n,n\*10)



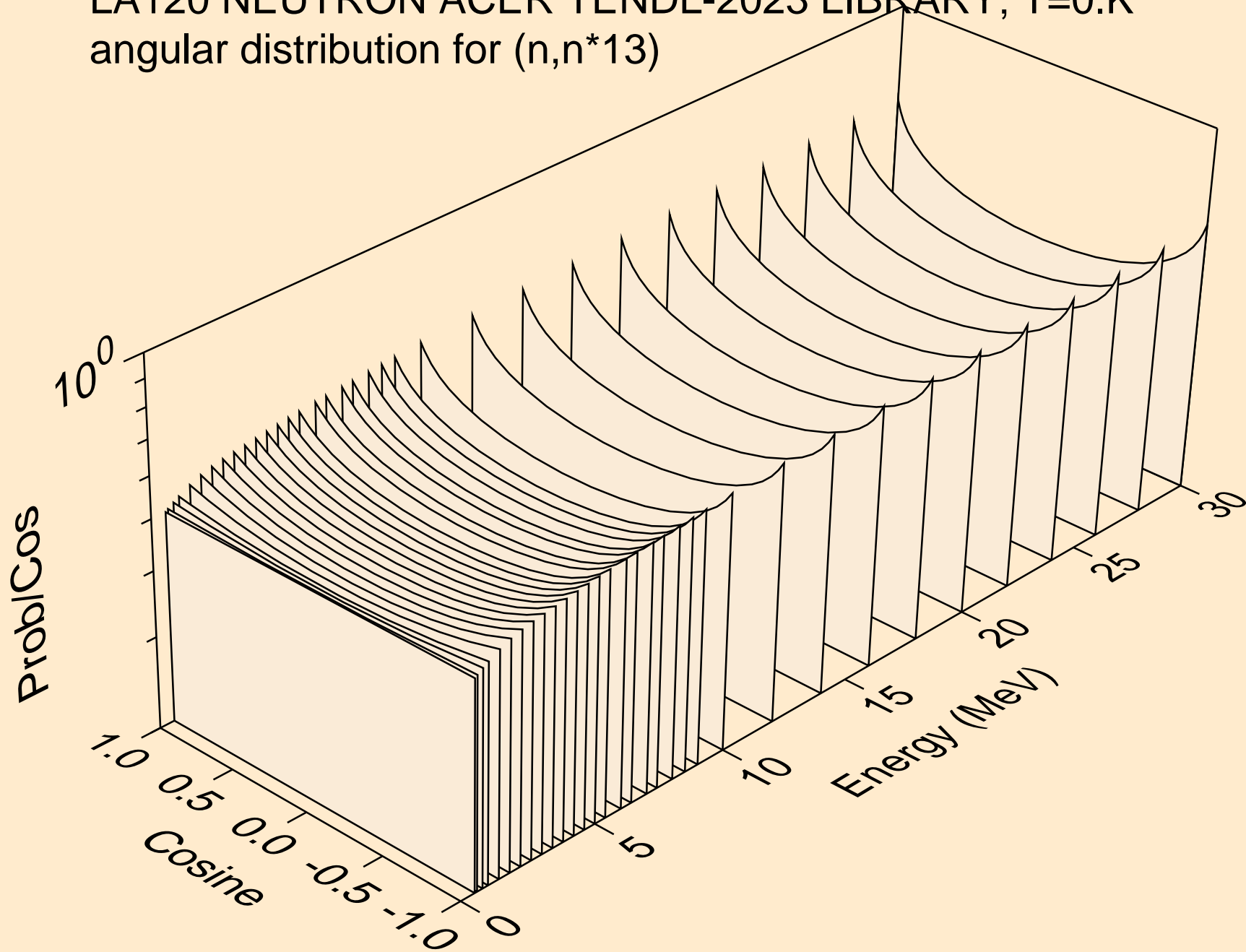
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angular distribution for (n,n\*11)



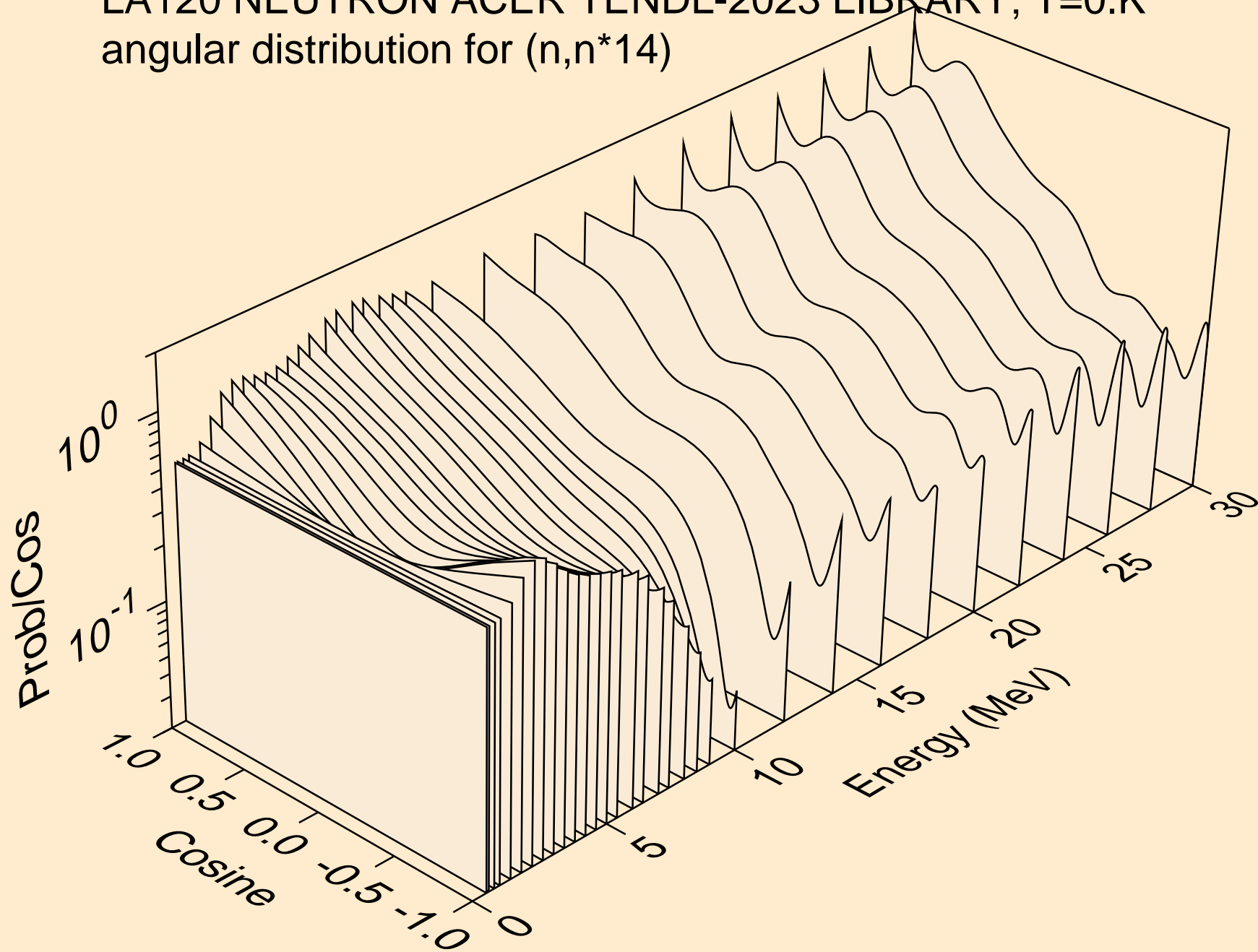
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angular distribution for (n,n\*12)



LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)

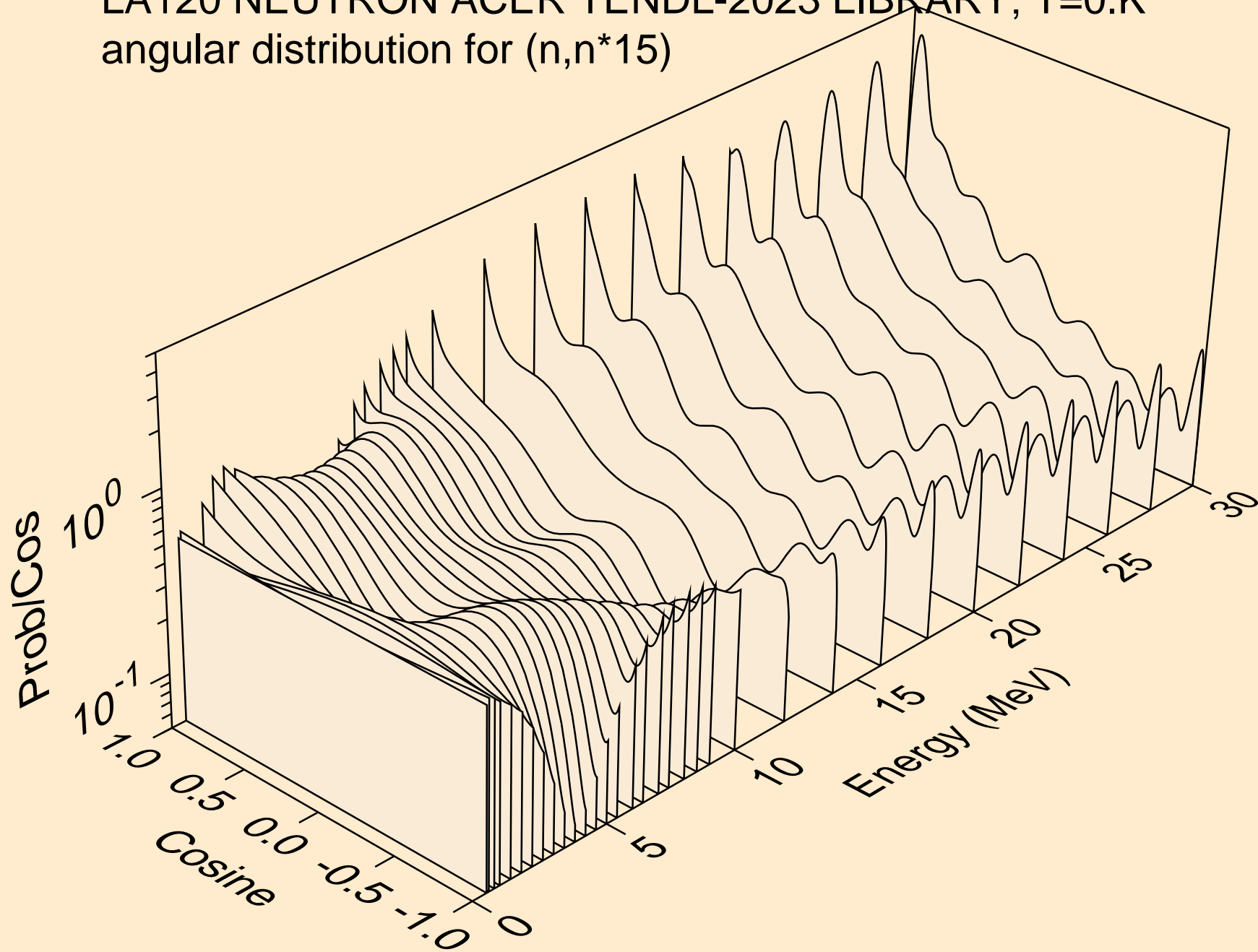


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angular distribution for (n,n\*14)

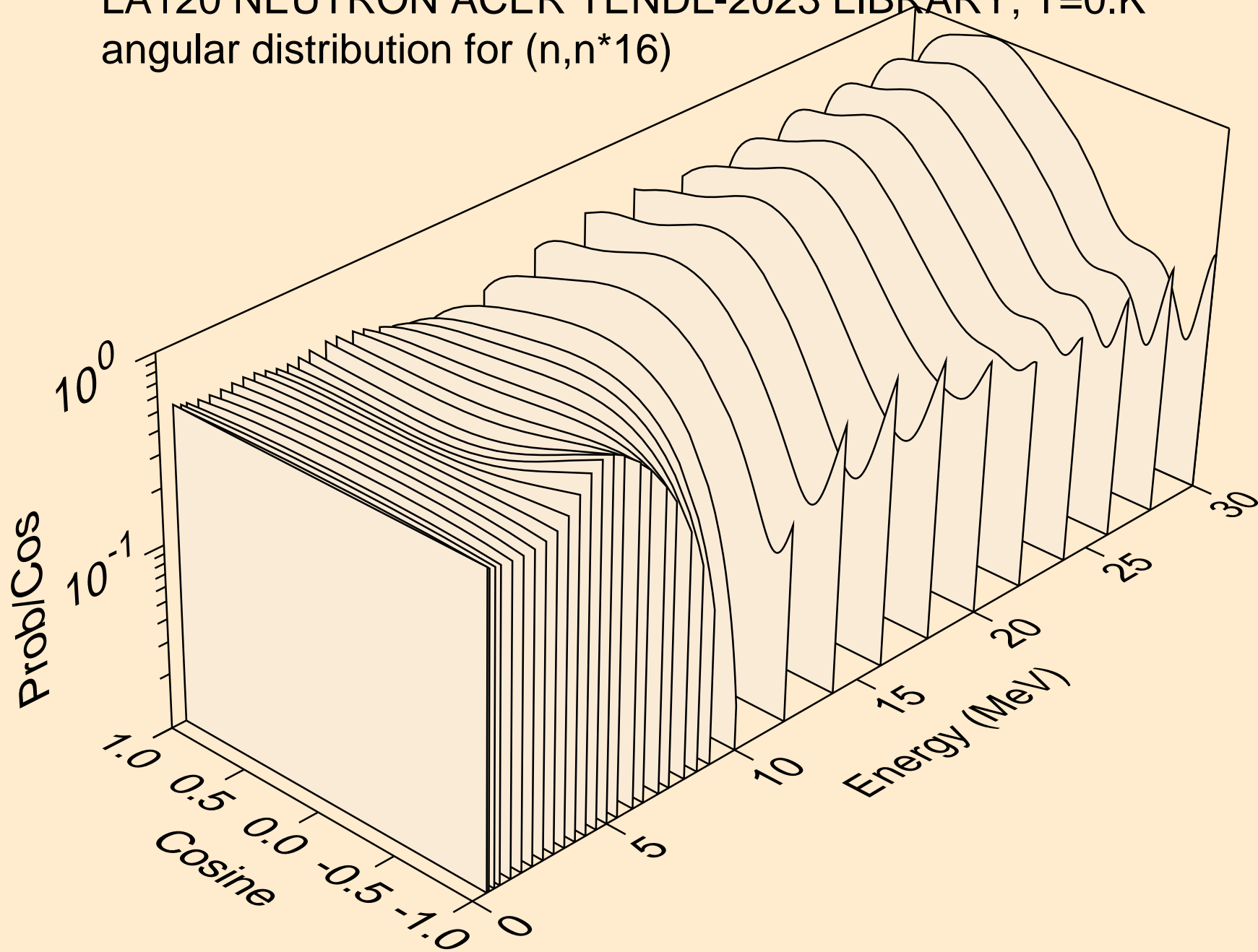




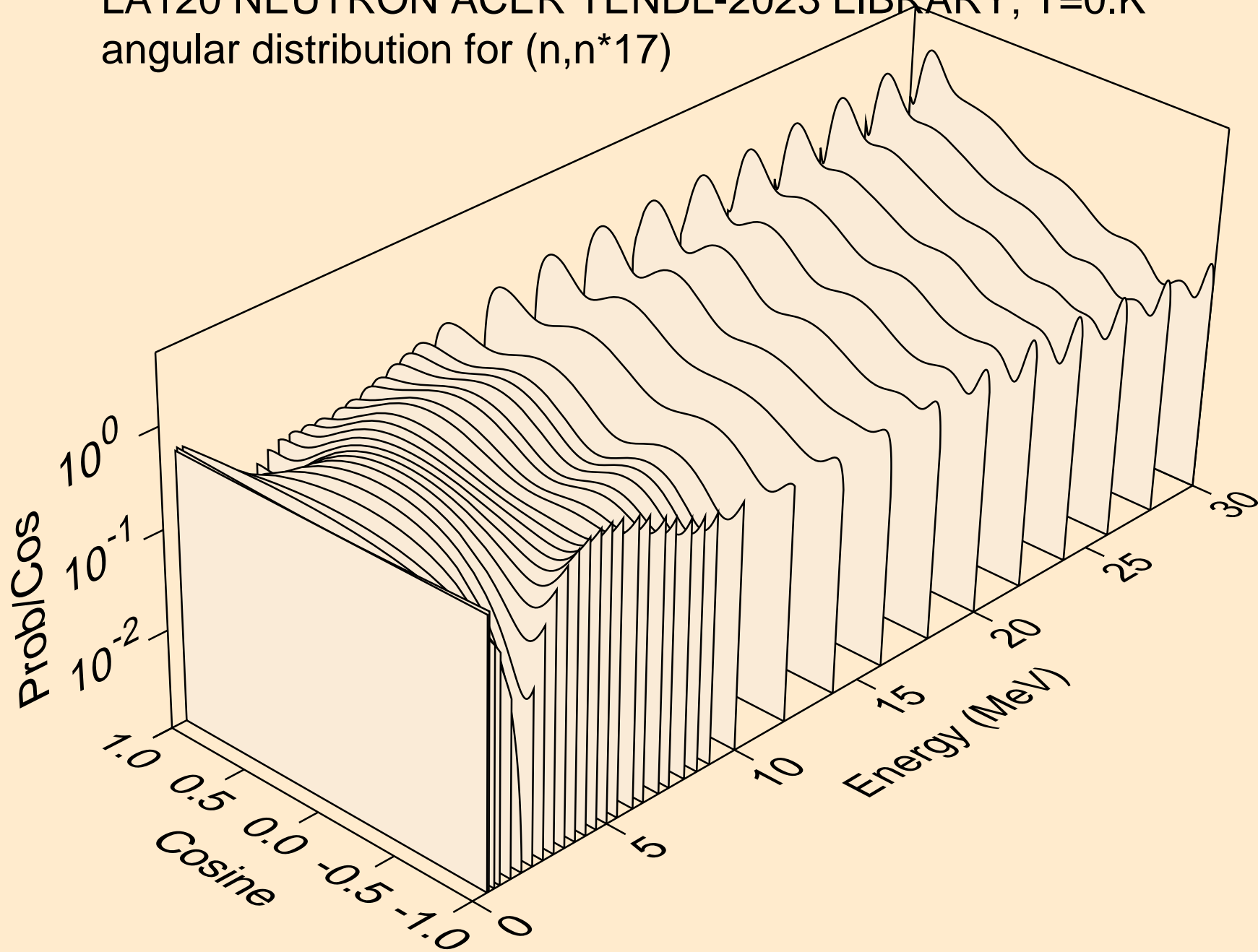
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angular distribution for (n,n\*15)



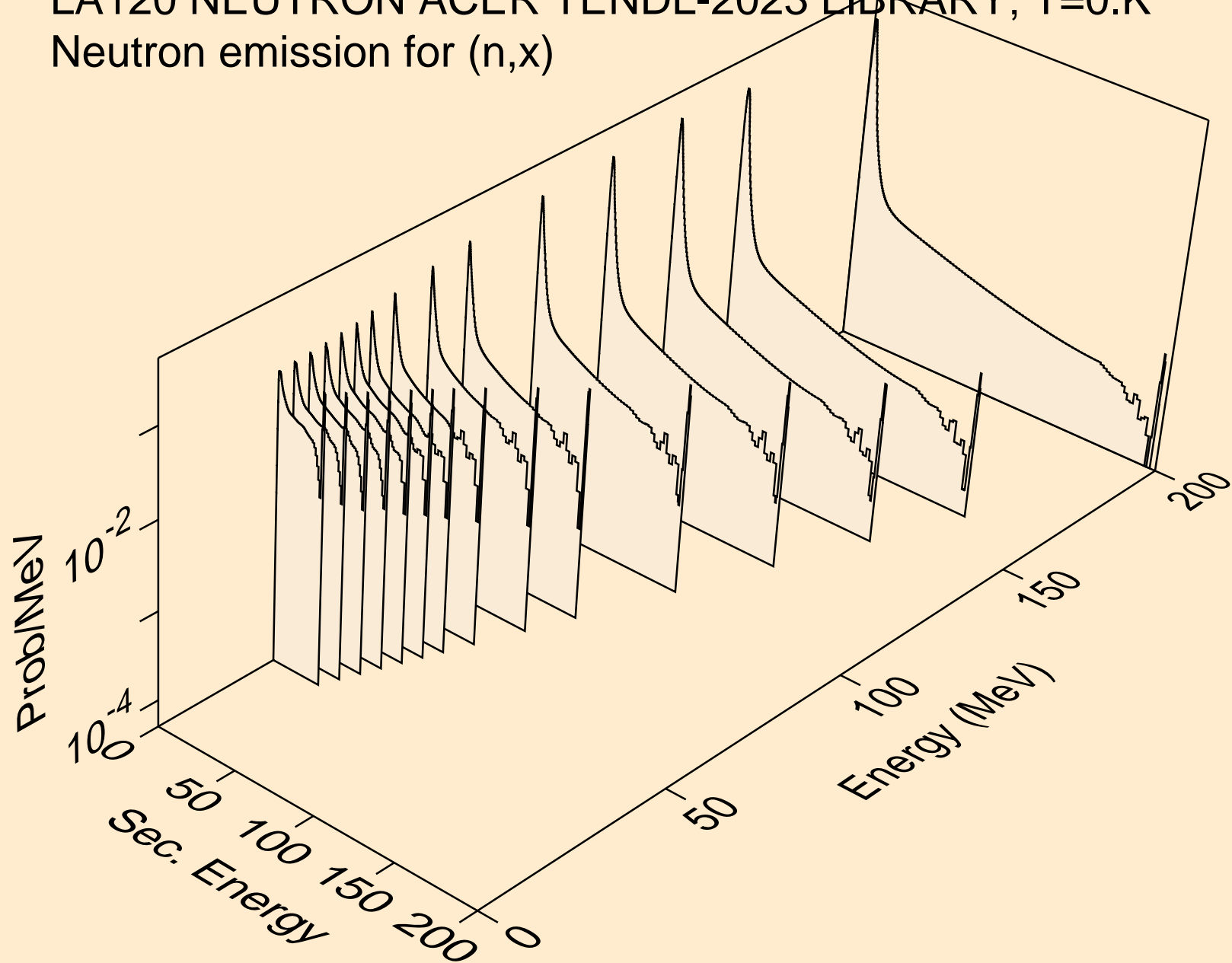
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angular distribution for (n,n\*16)



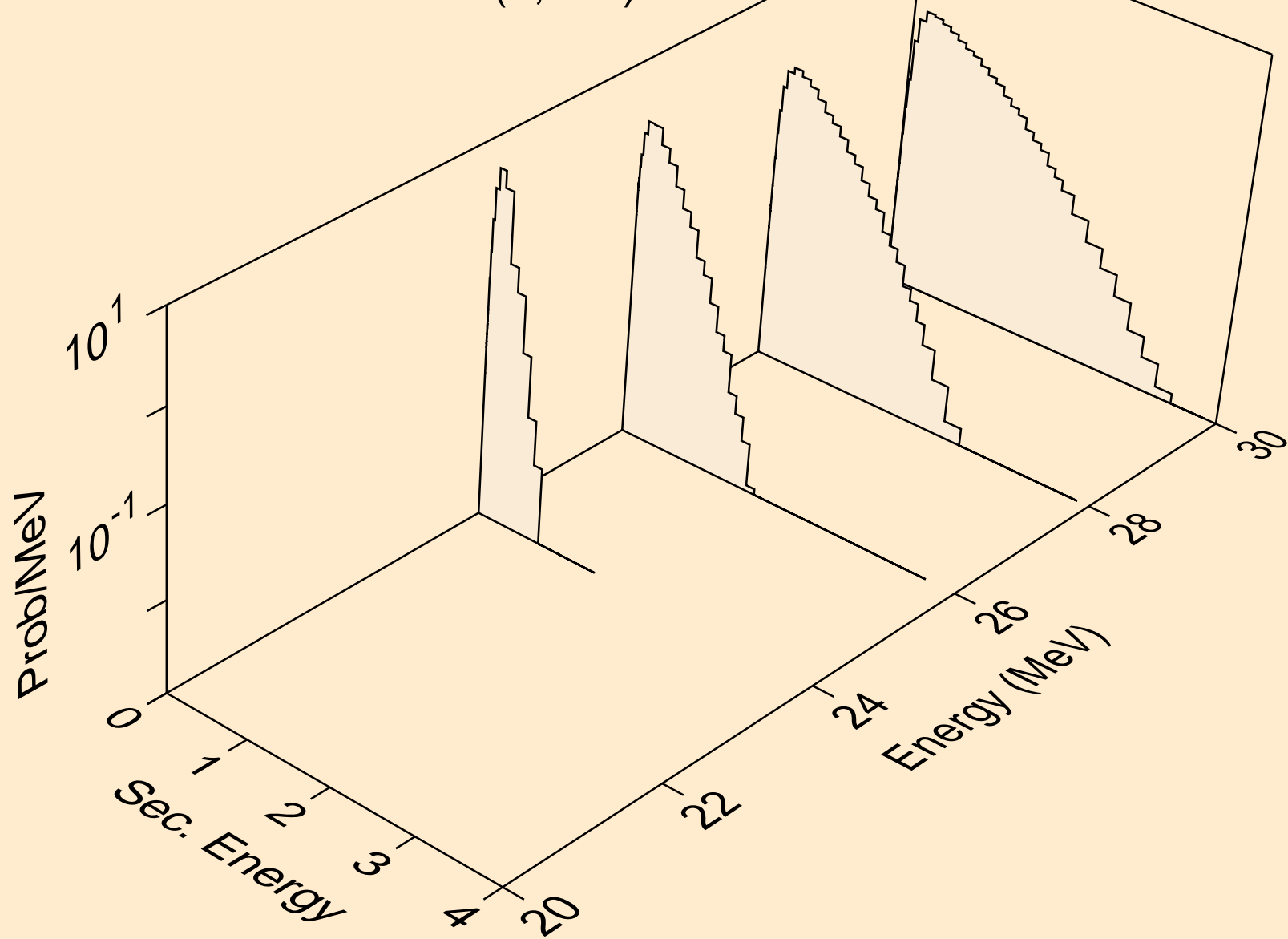
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angular distribution for (n,n\*17)



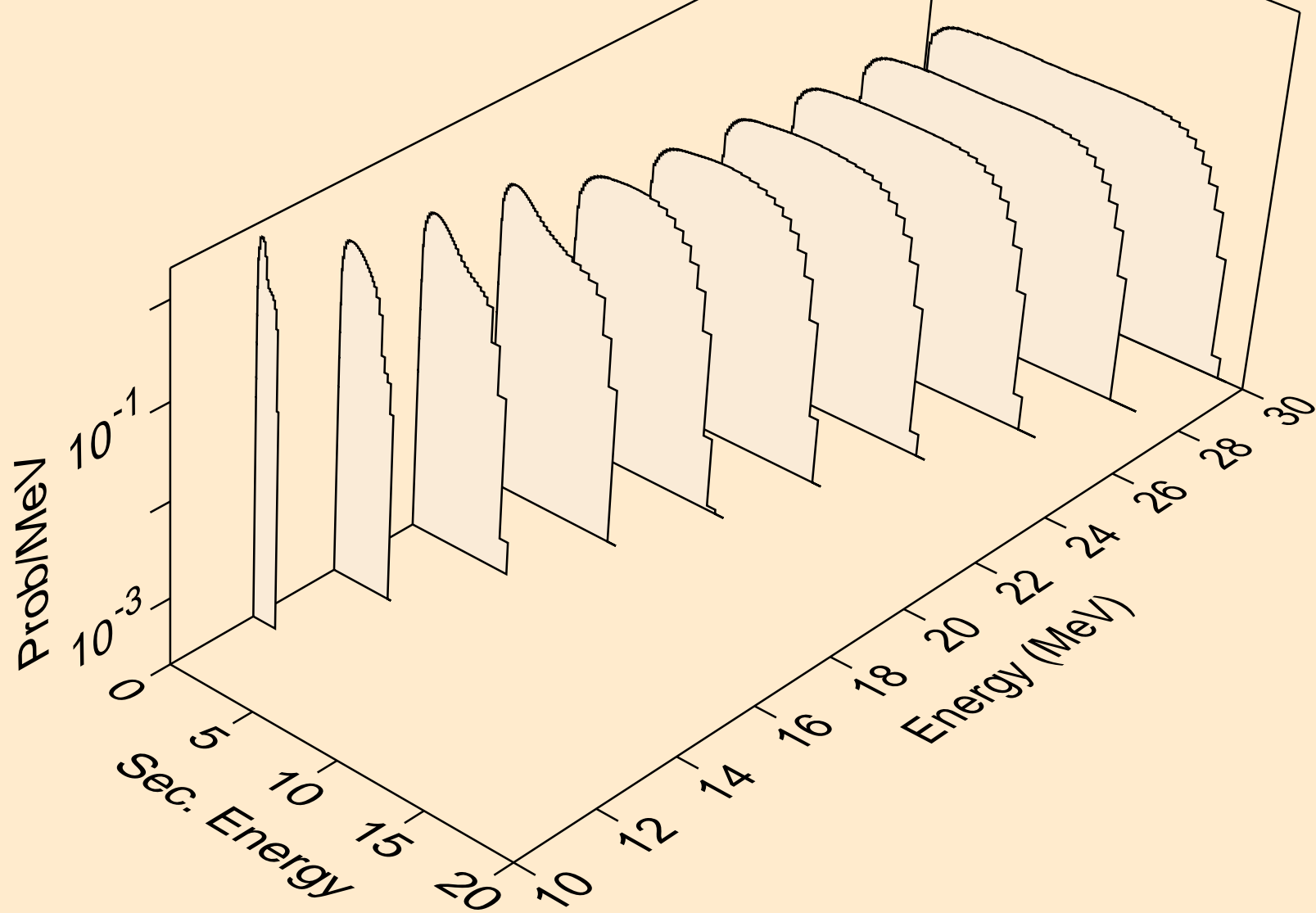
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Neutron emission for (n,x)



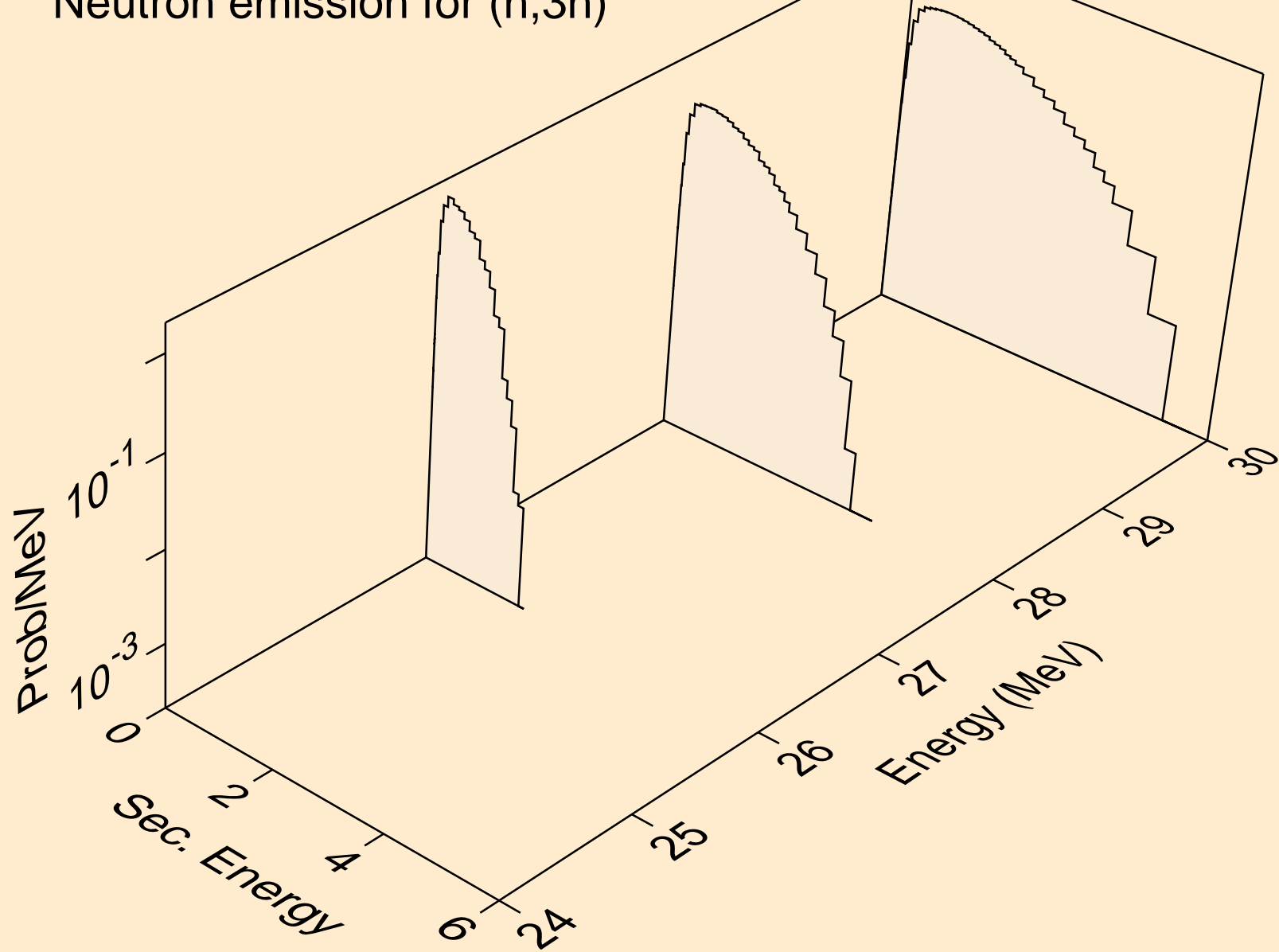
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Neutron emission for (n,2nd)



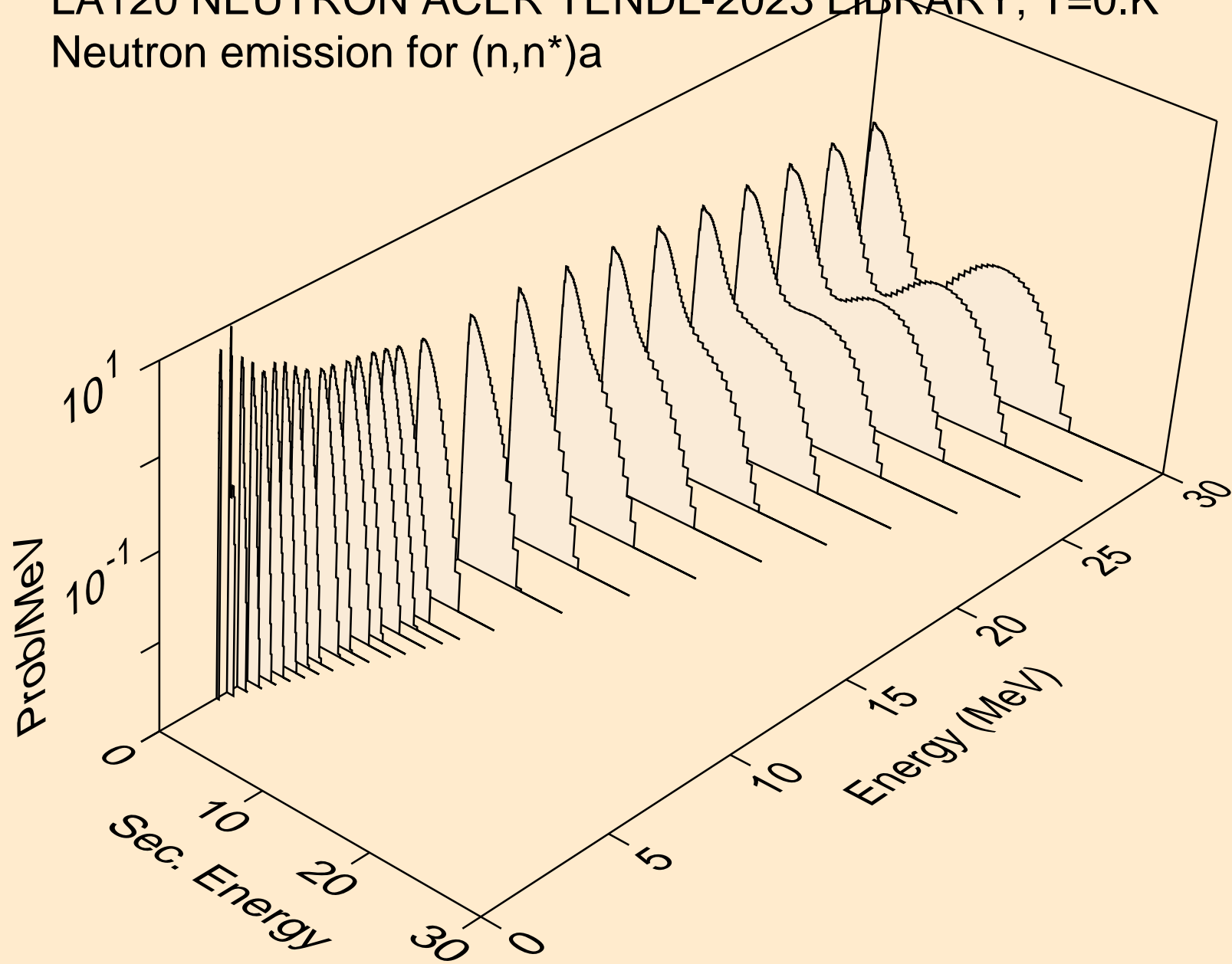
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Neutron emission for (n,2n)



LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)

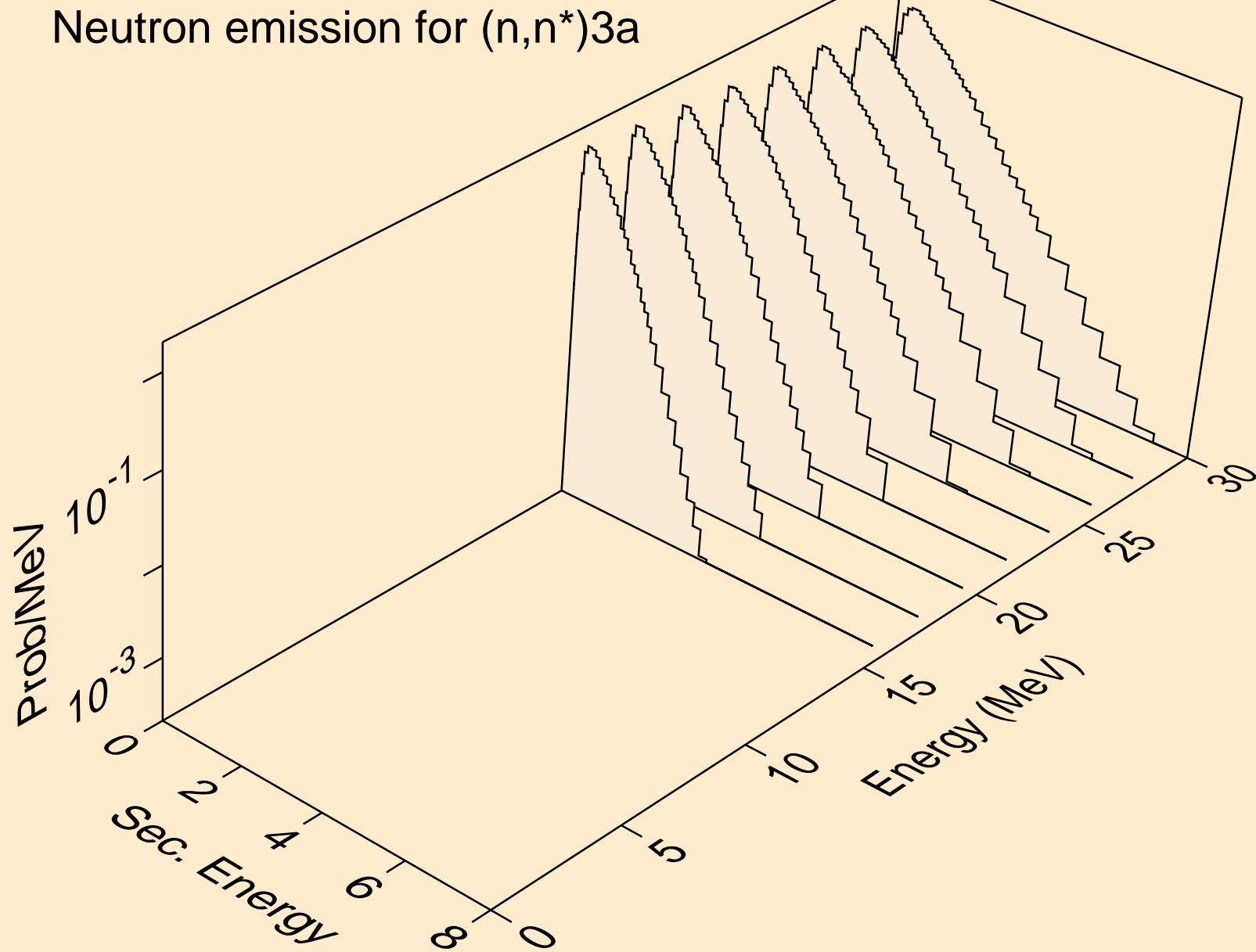


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Neutron emission for (n,n\*)a

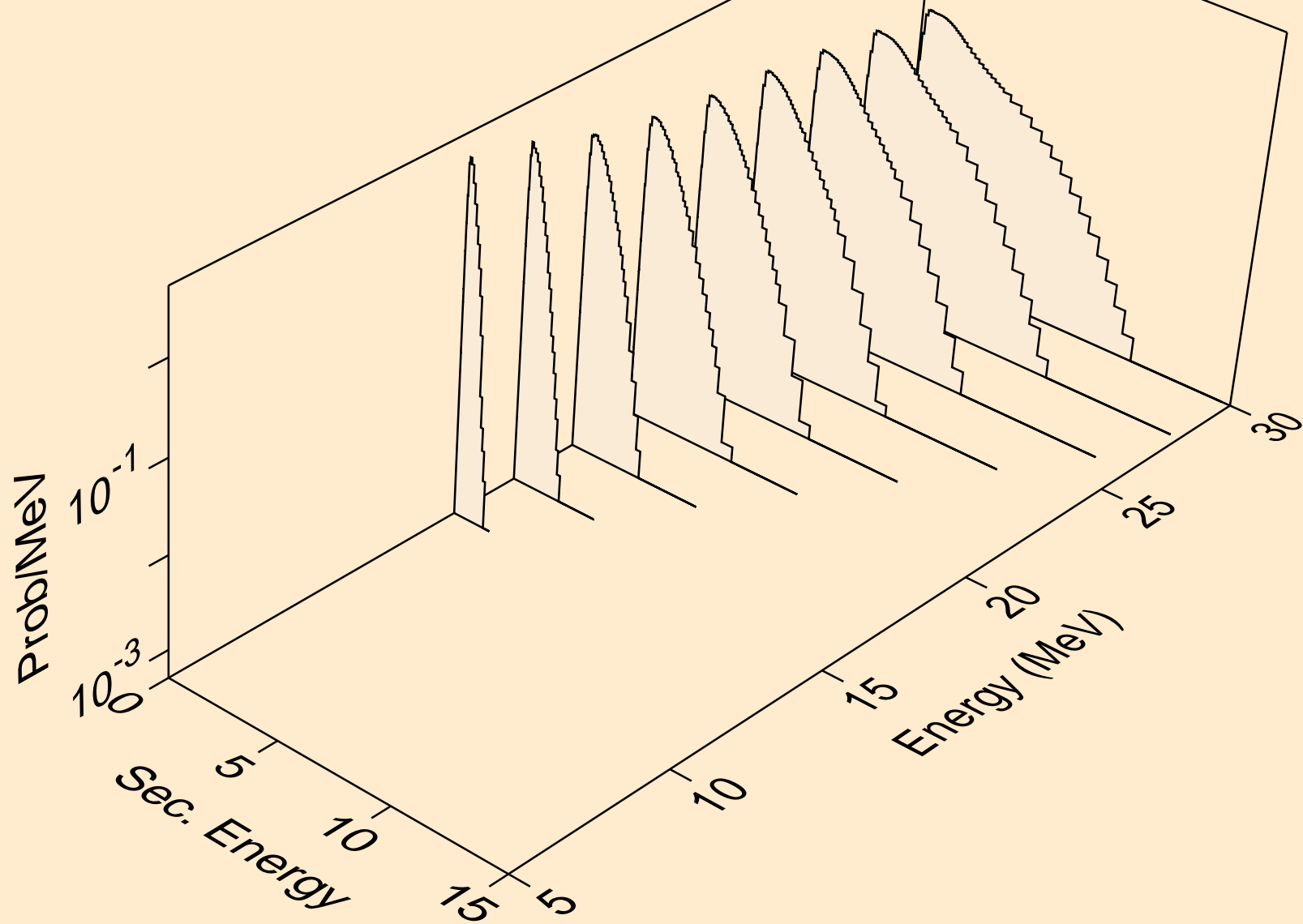




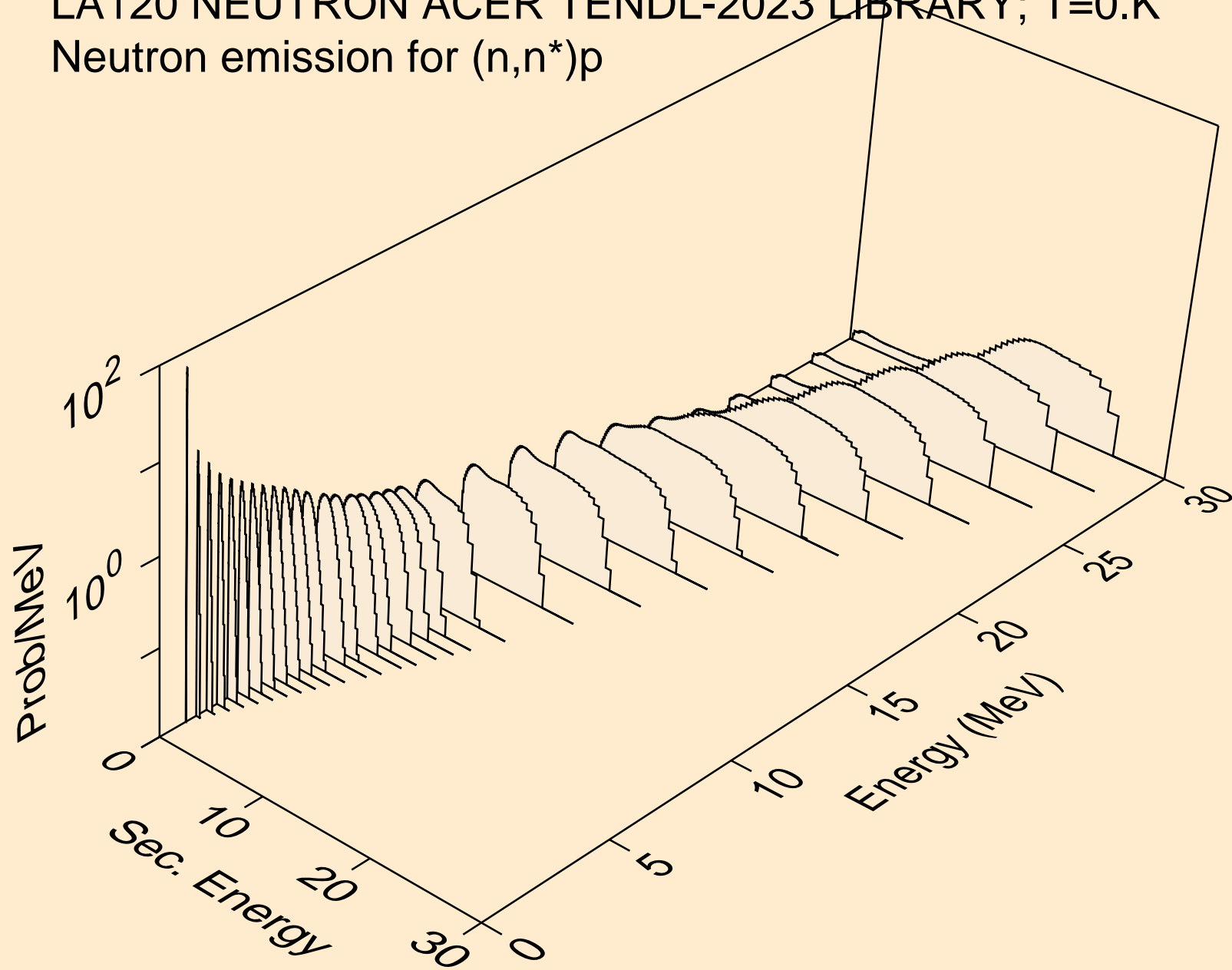
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Neutron emission for (n,n\*)3a



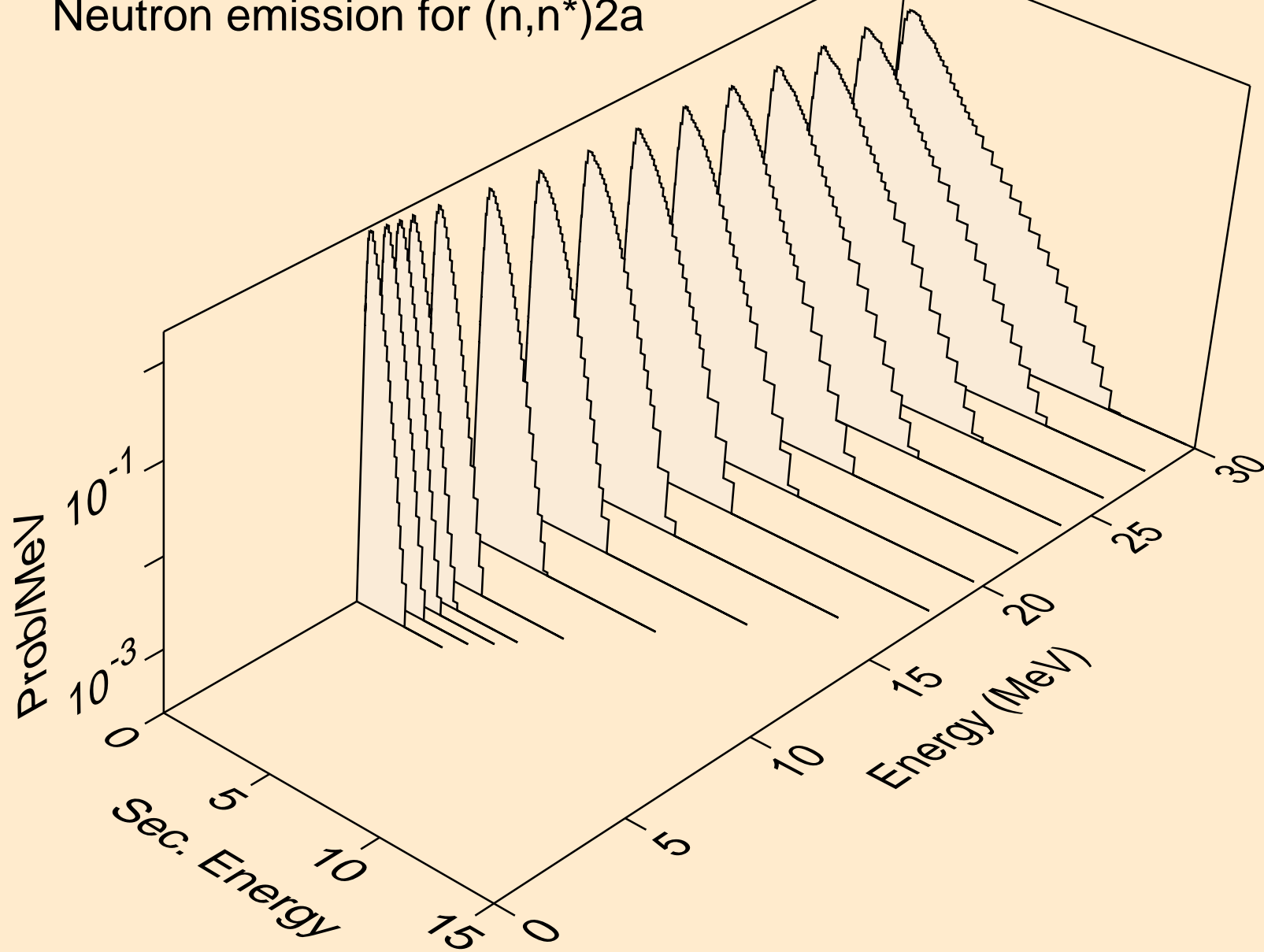
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Neutron emission for (n,2n)a



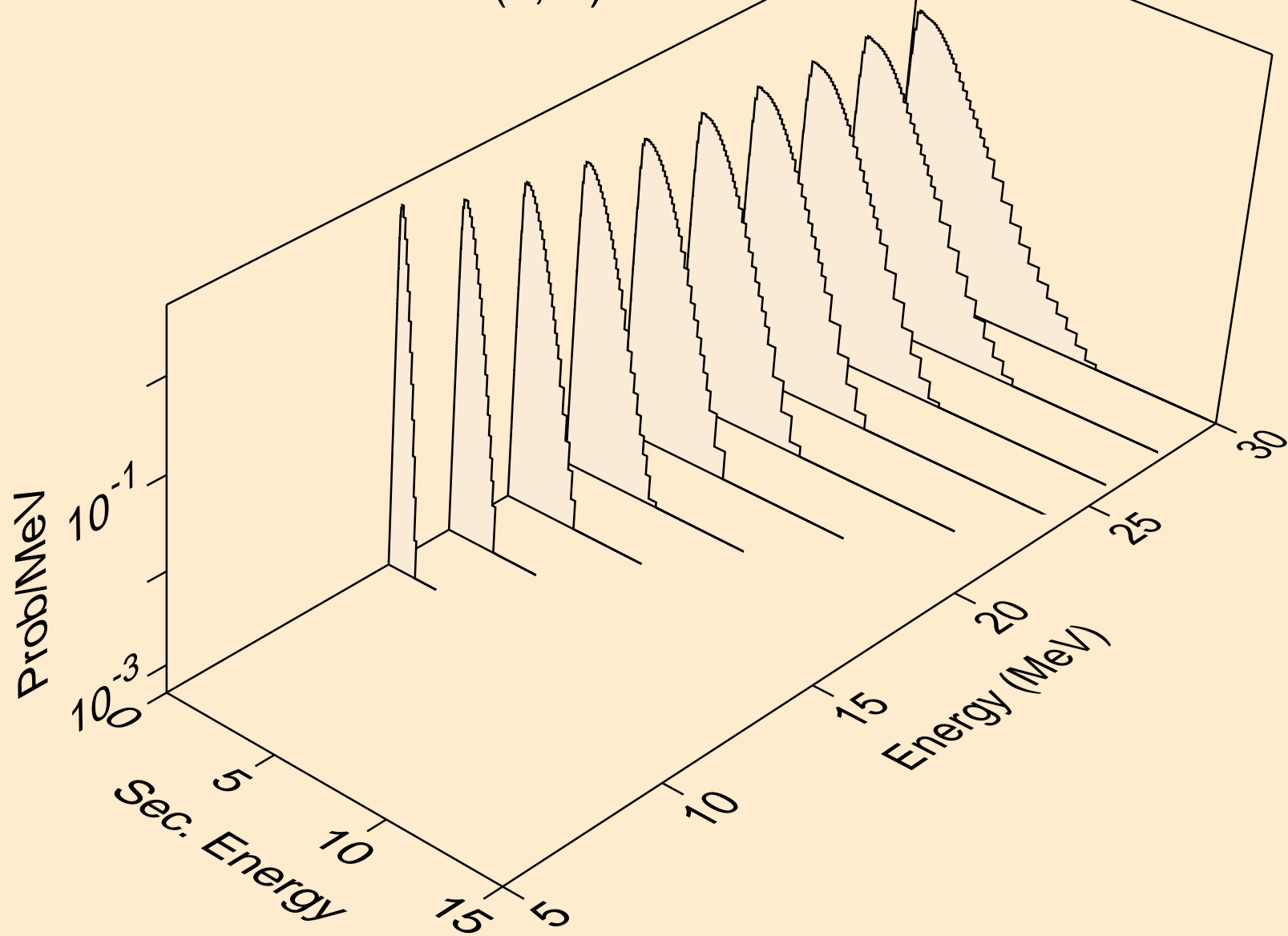
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Neutron emission for (n,n\*)p



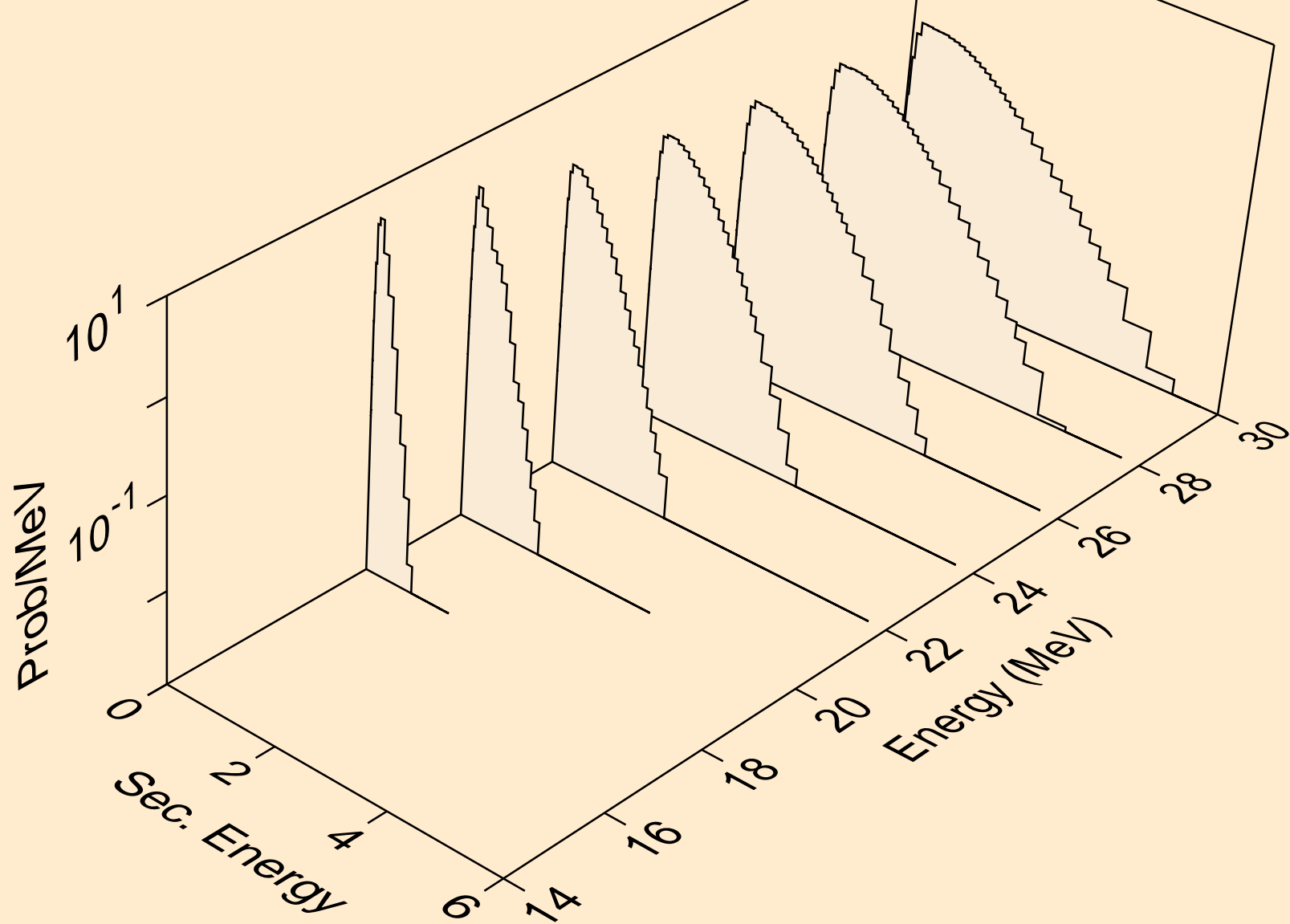
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Neutron emission for (n,n\*)2a



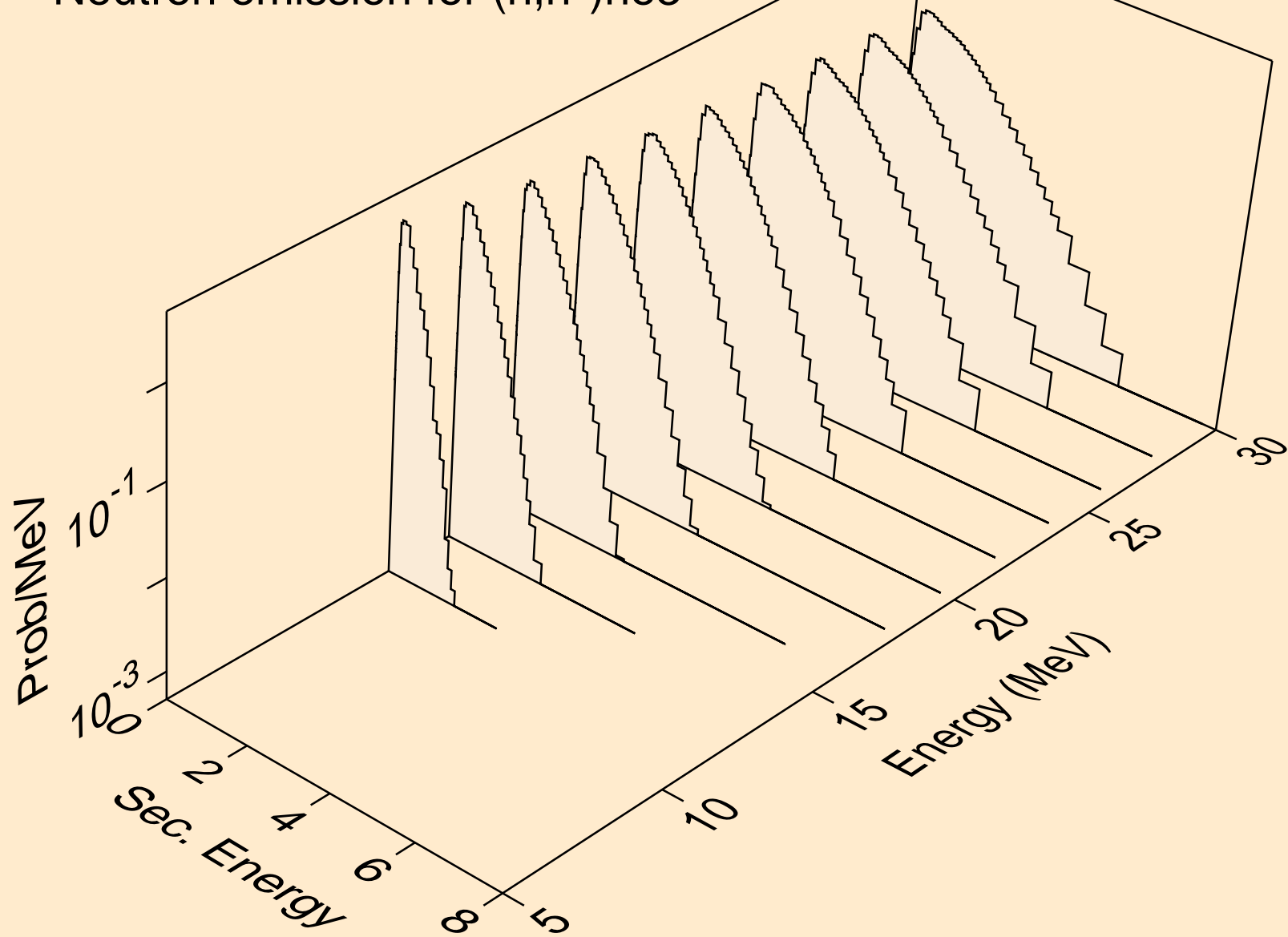
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Neutron emission for (n,n\*)d



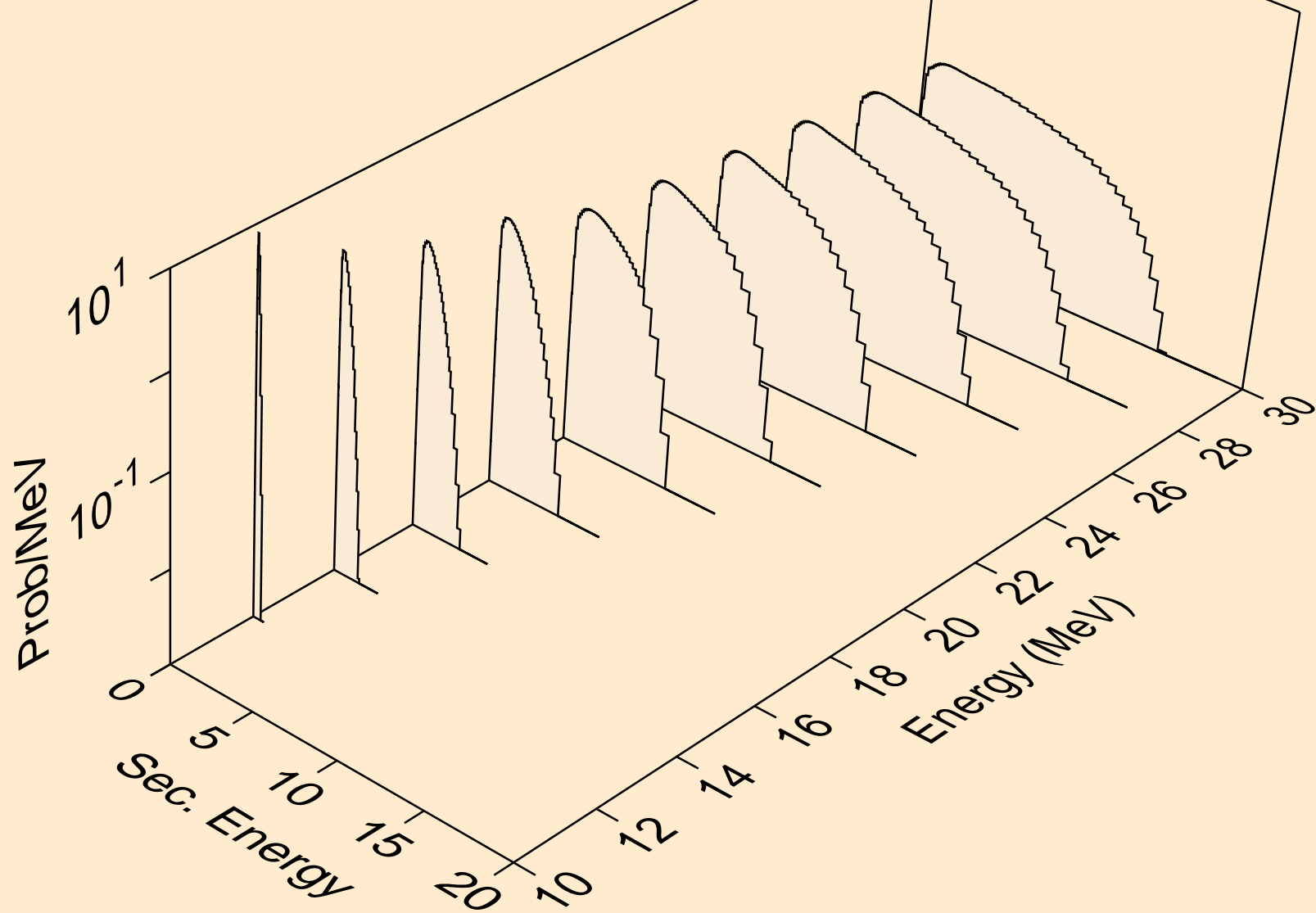
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Neutron emission for (n,n\*)t



LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

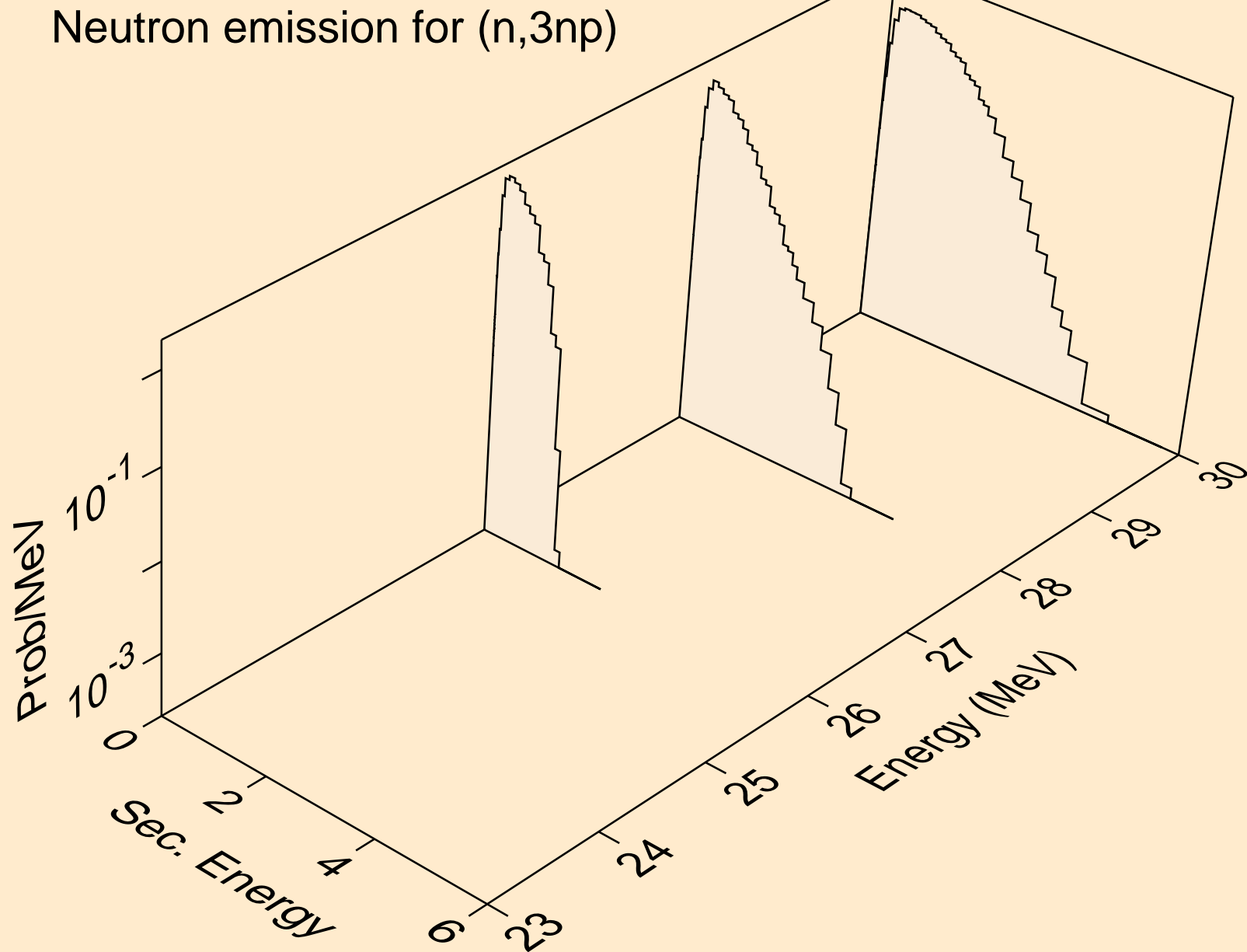


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Neutron emission for (n,2np)

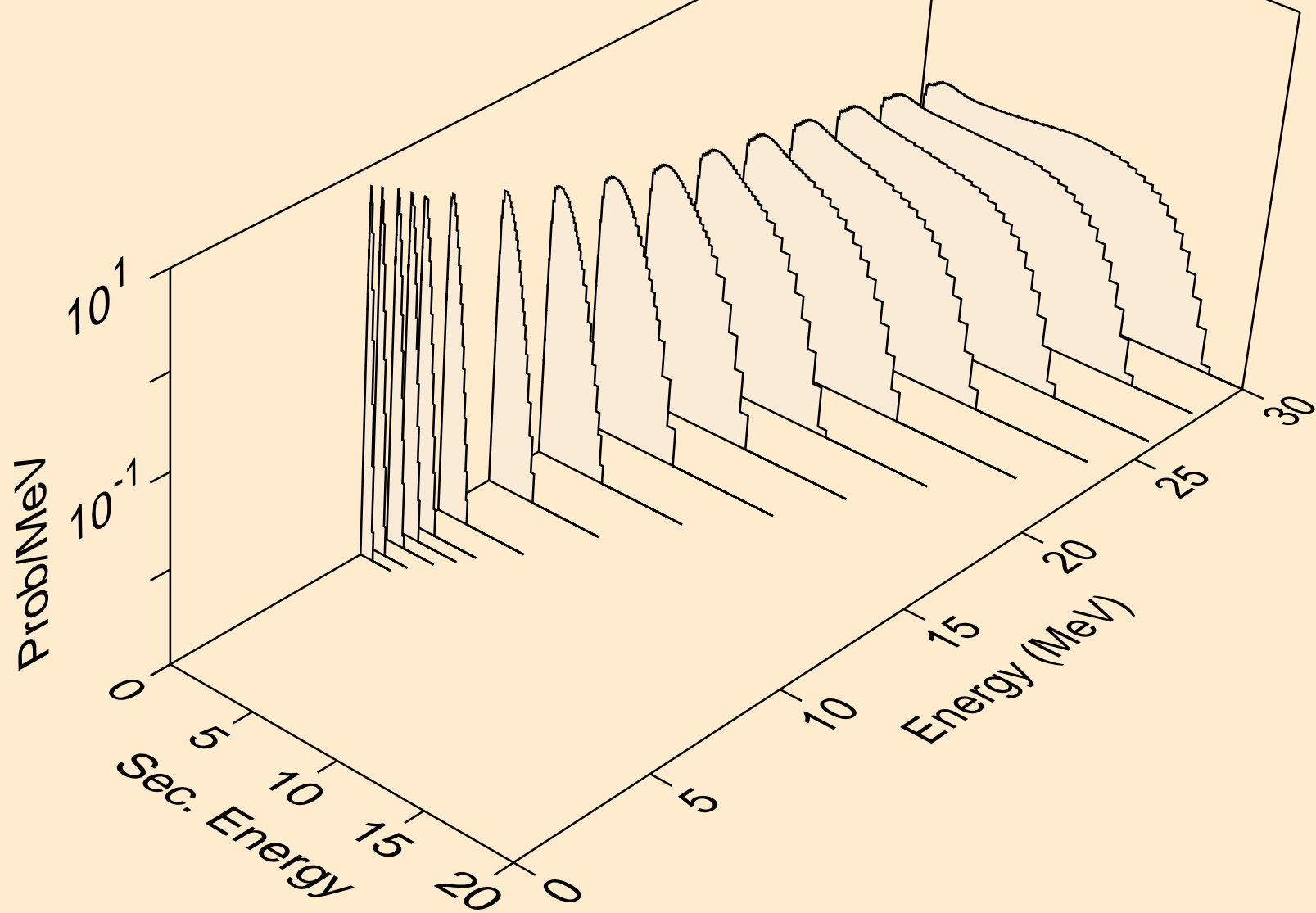




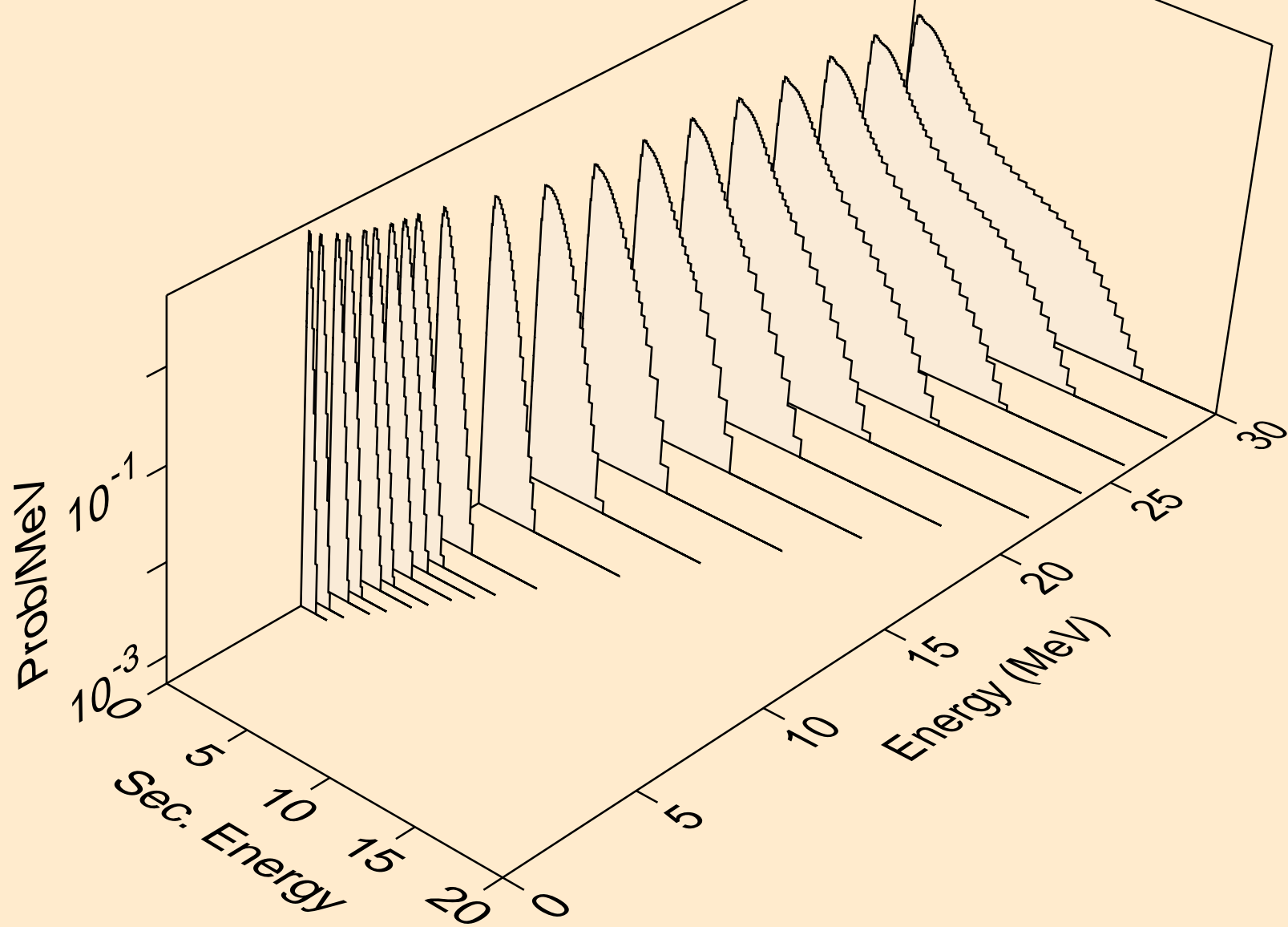
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Neutron emission for (n,3np)



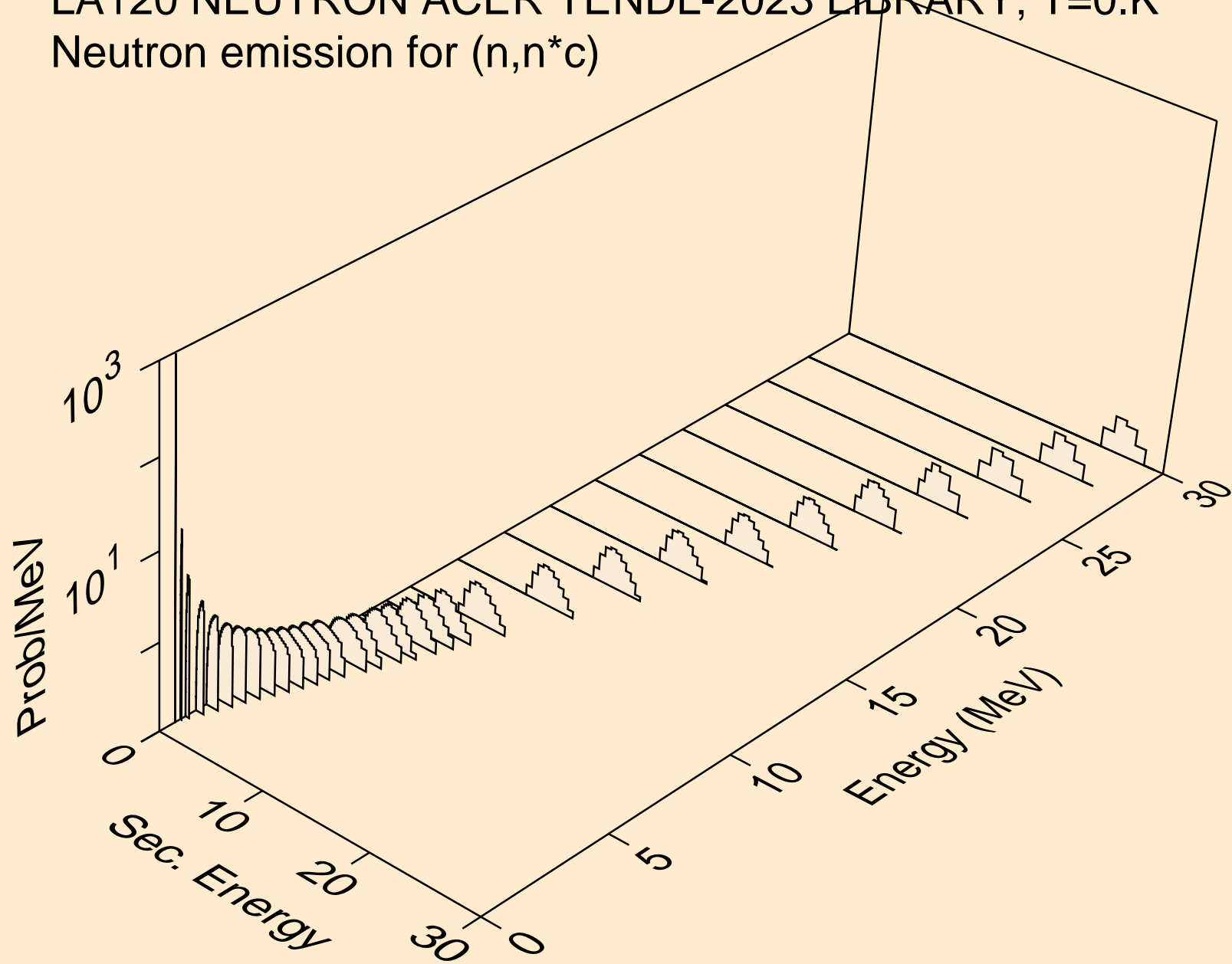
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Neutron emission for (n,n2p)



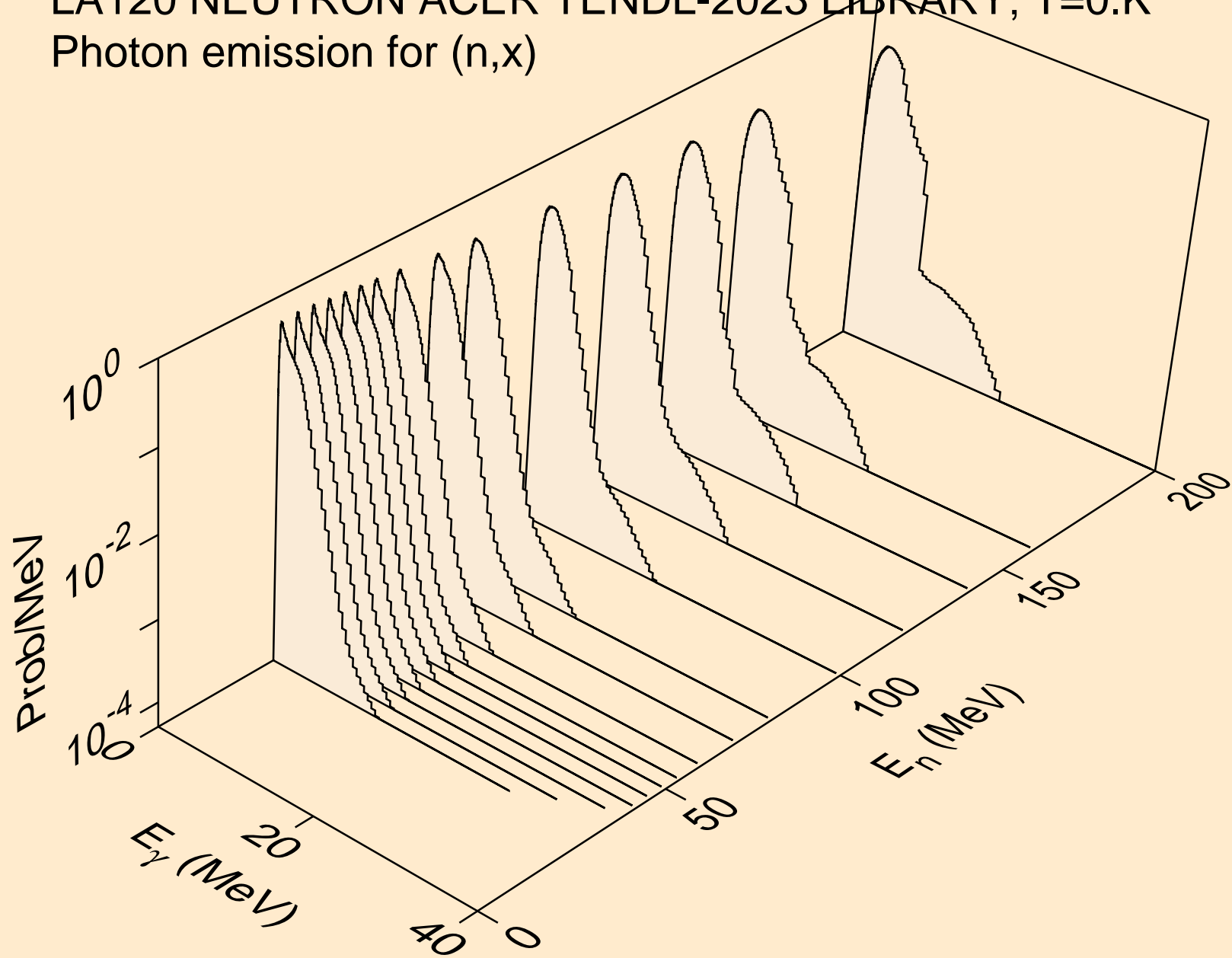
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Neutron emission for (n,npa)



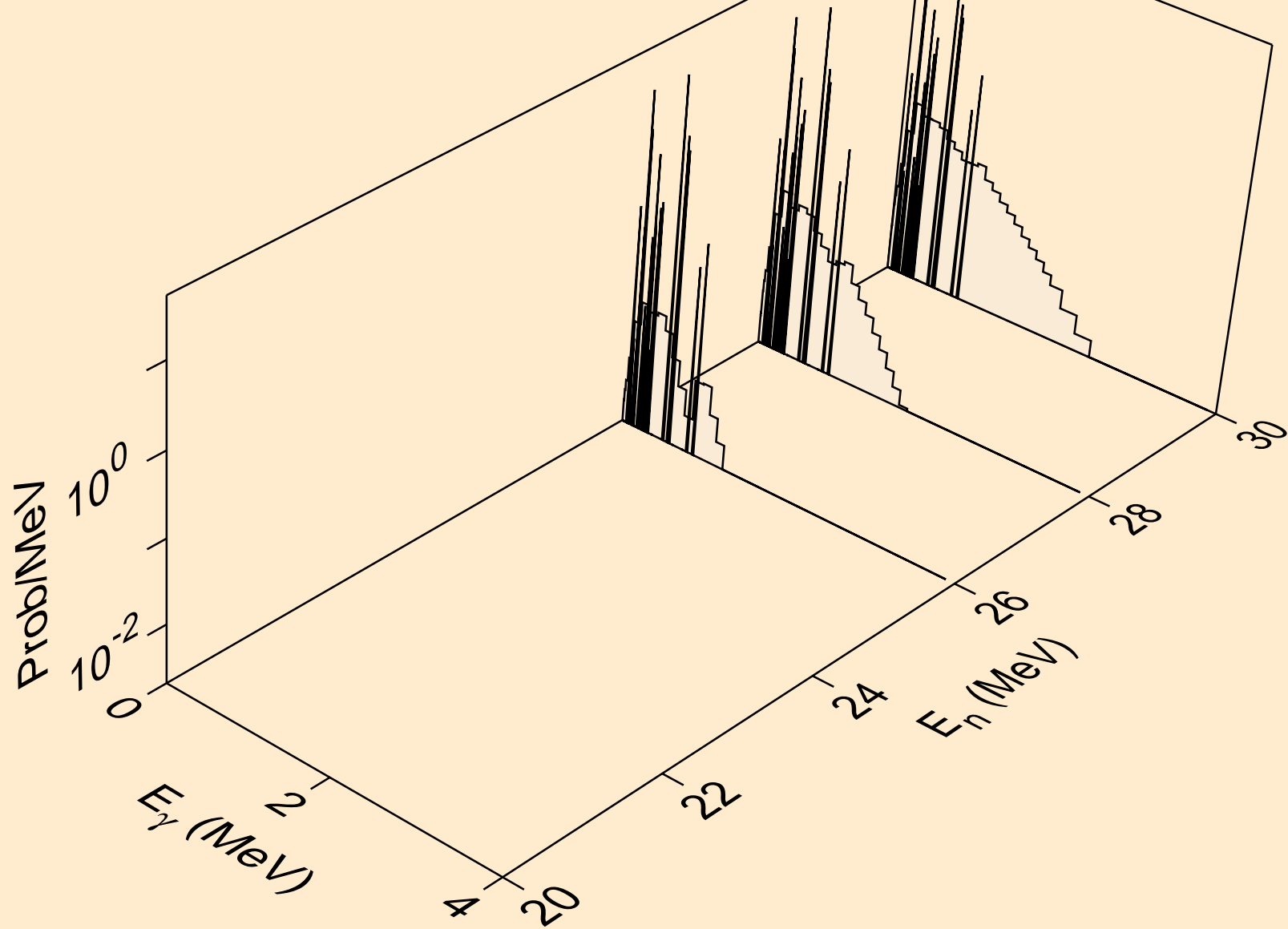
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Neutron emission for (n,n\*c)



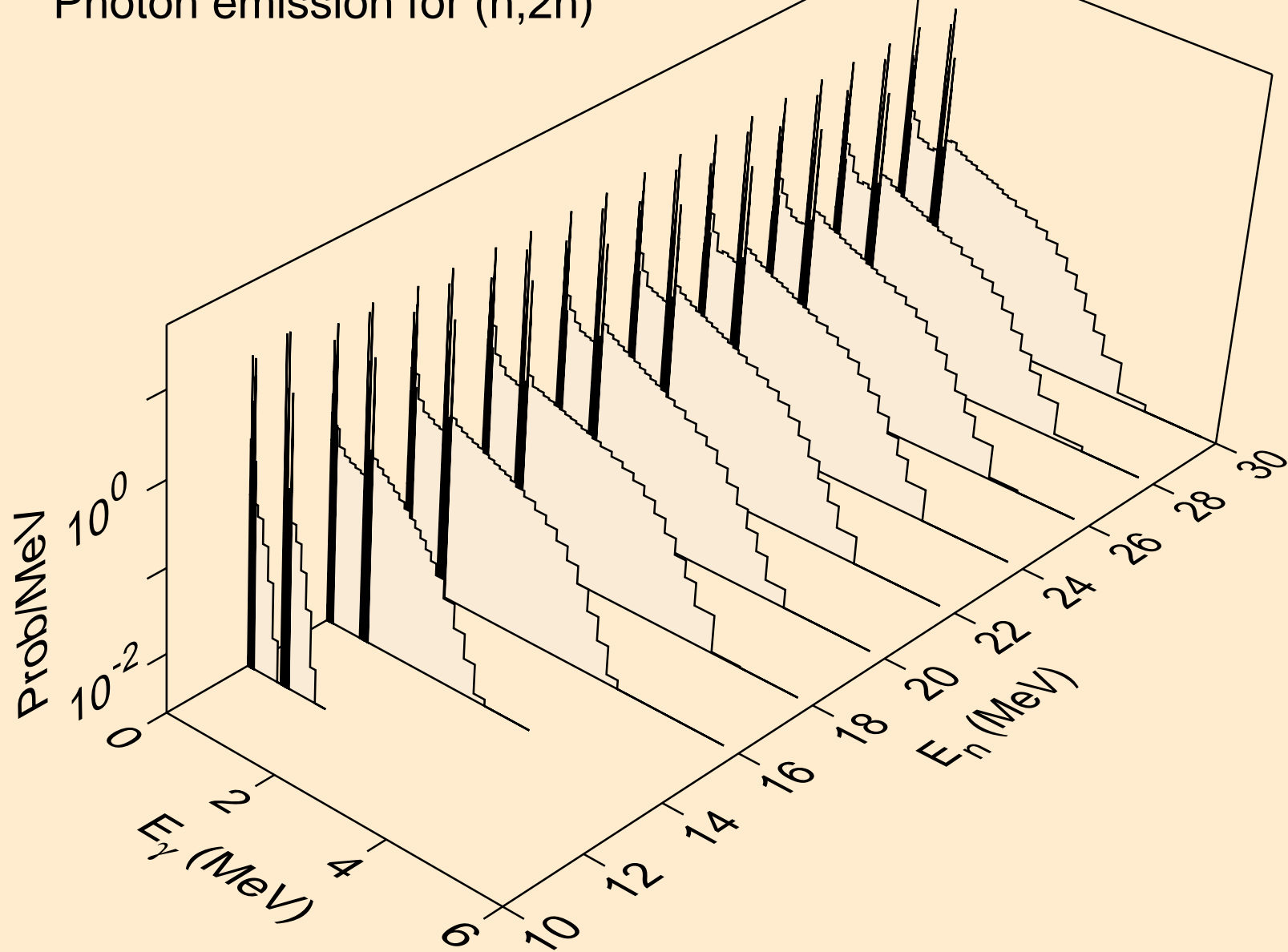
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Photon emission for (n,x)



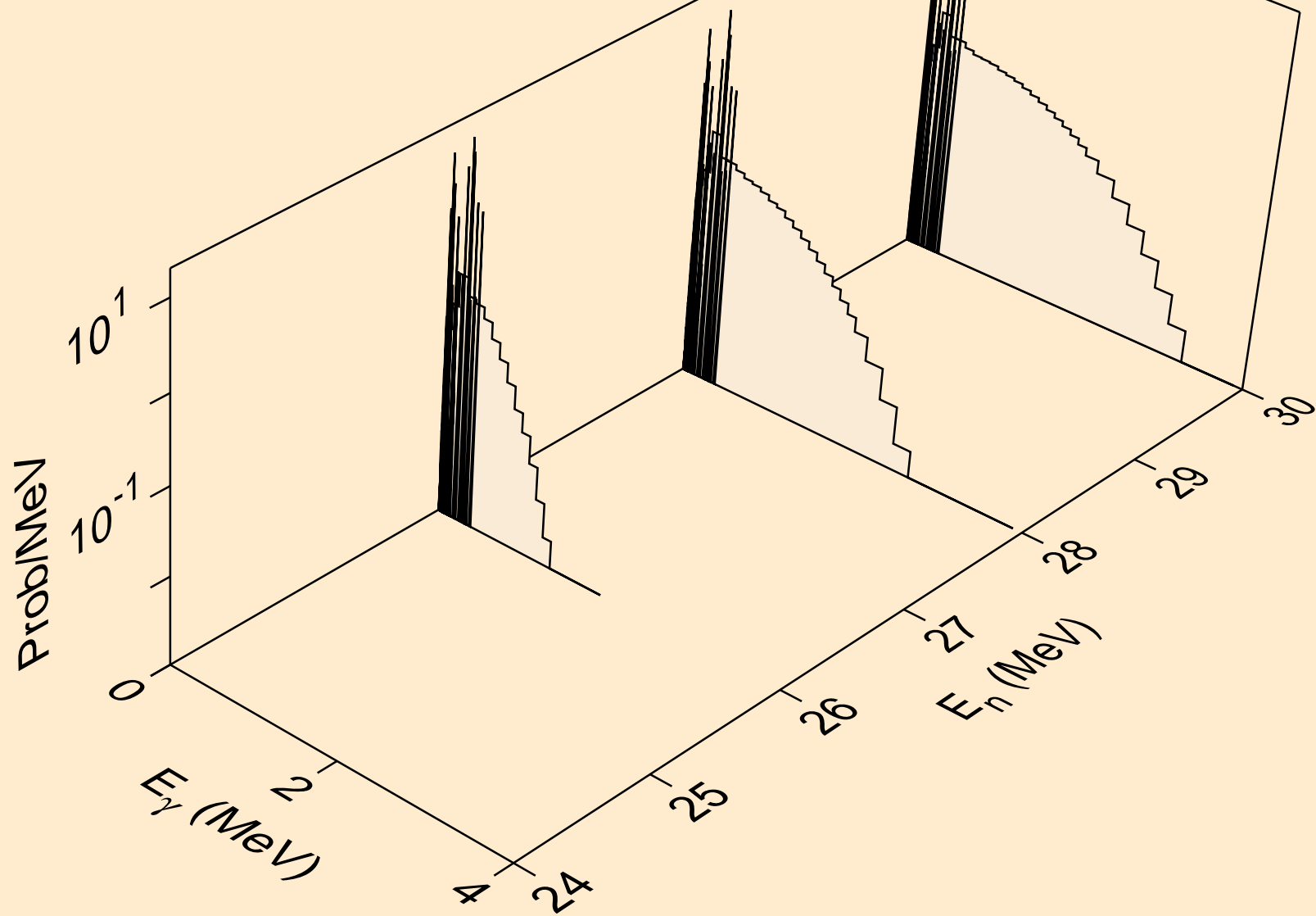
LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

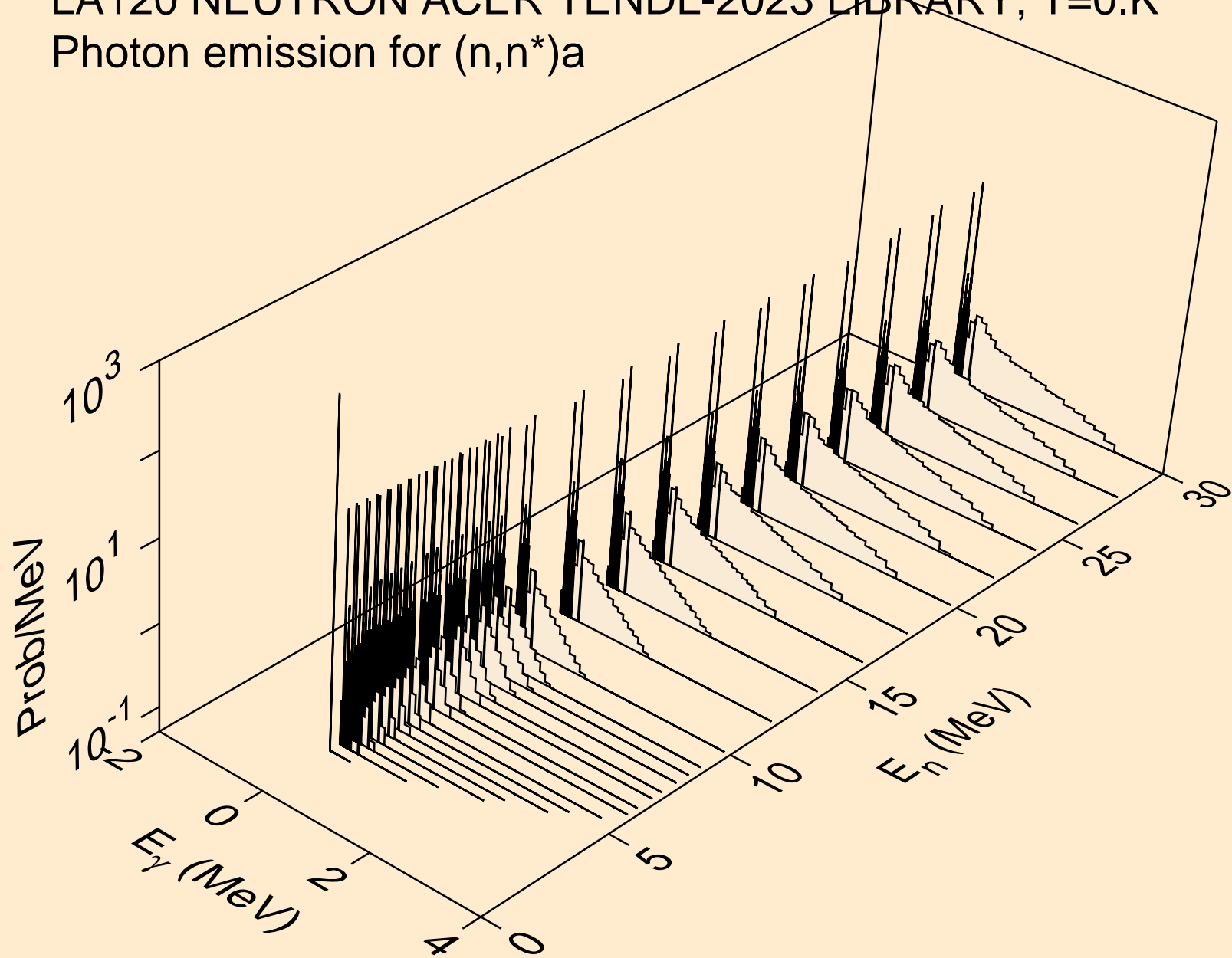


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Photon emission for (n,3n)

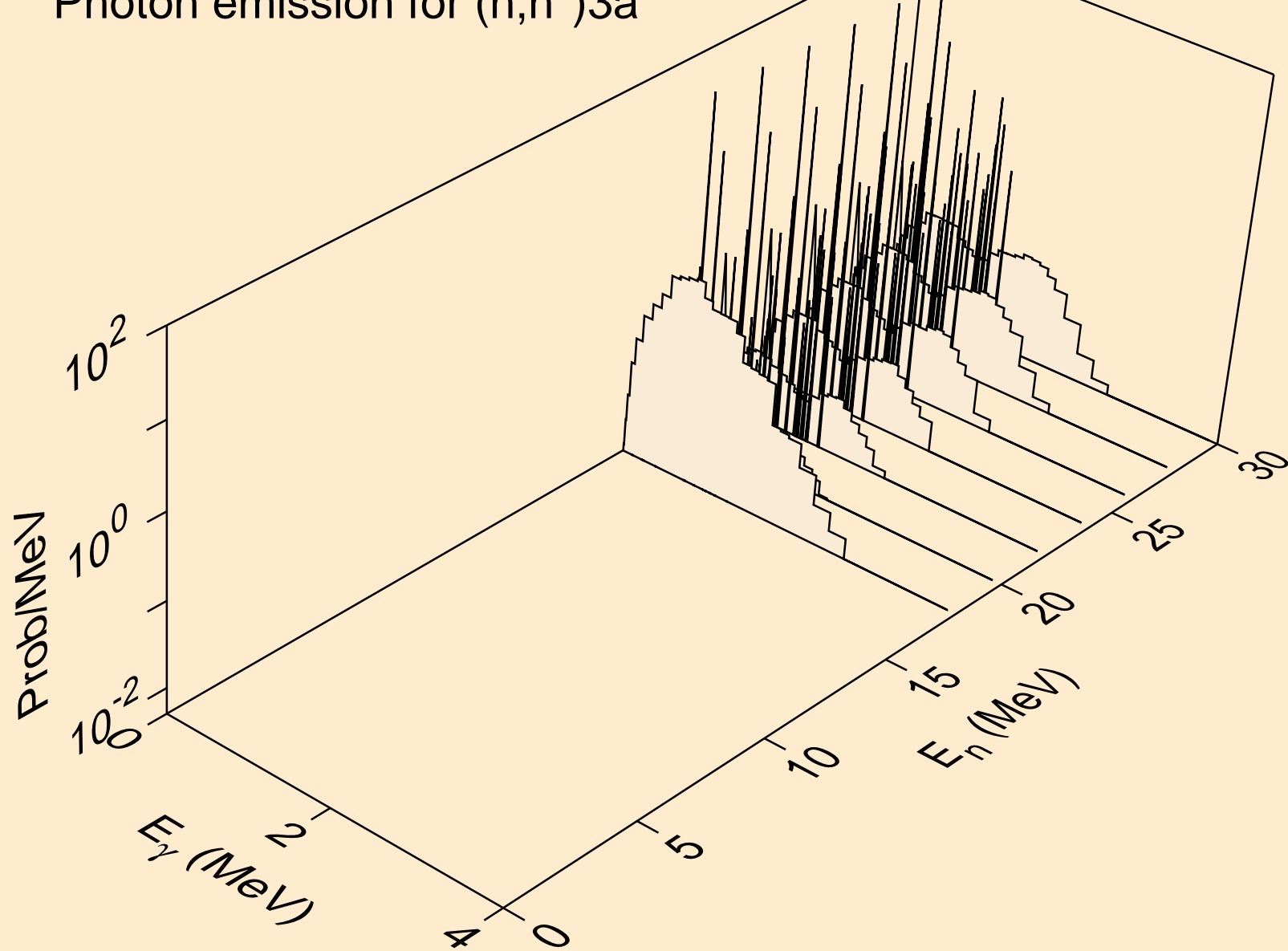




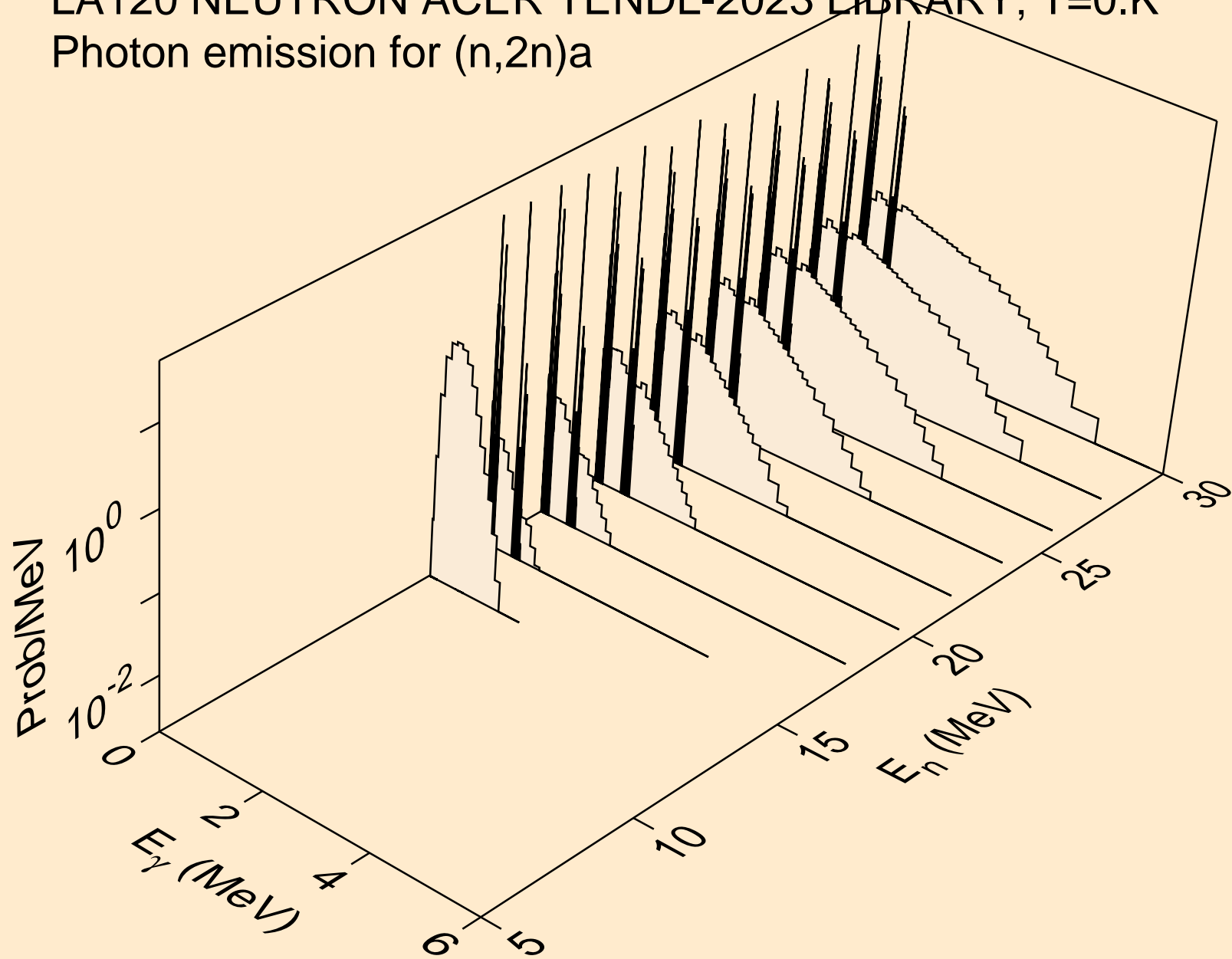
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Photon emission for (n,n\*)a



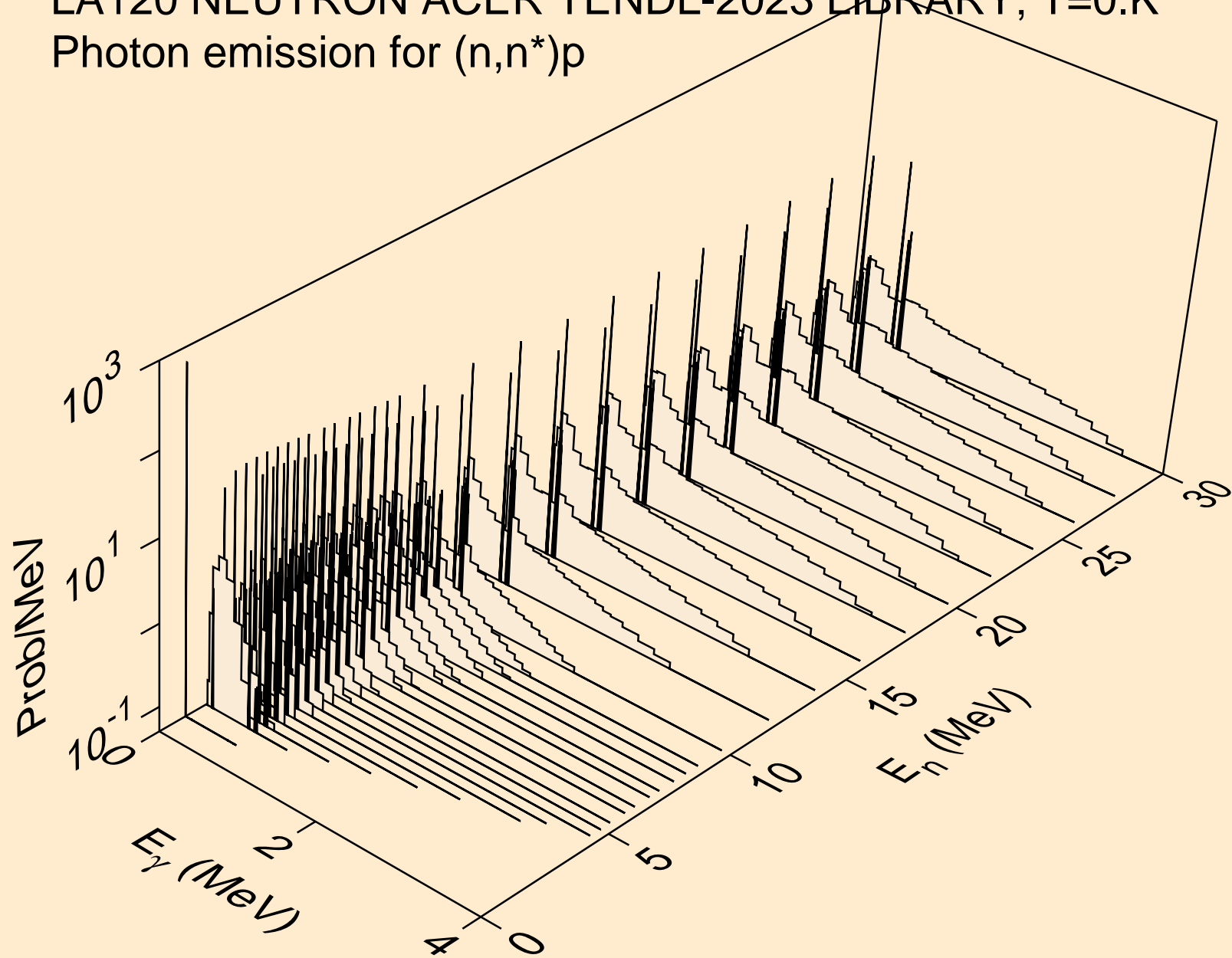
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Photon emission for (n,n\*)3a



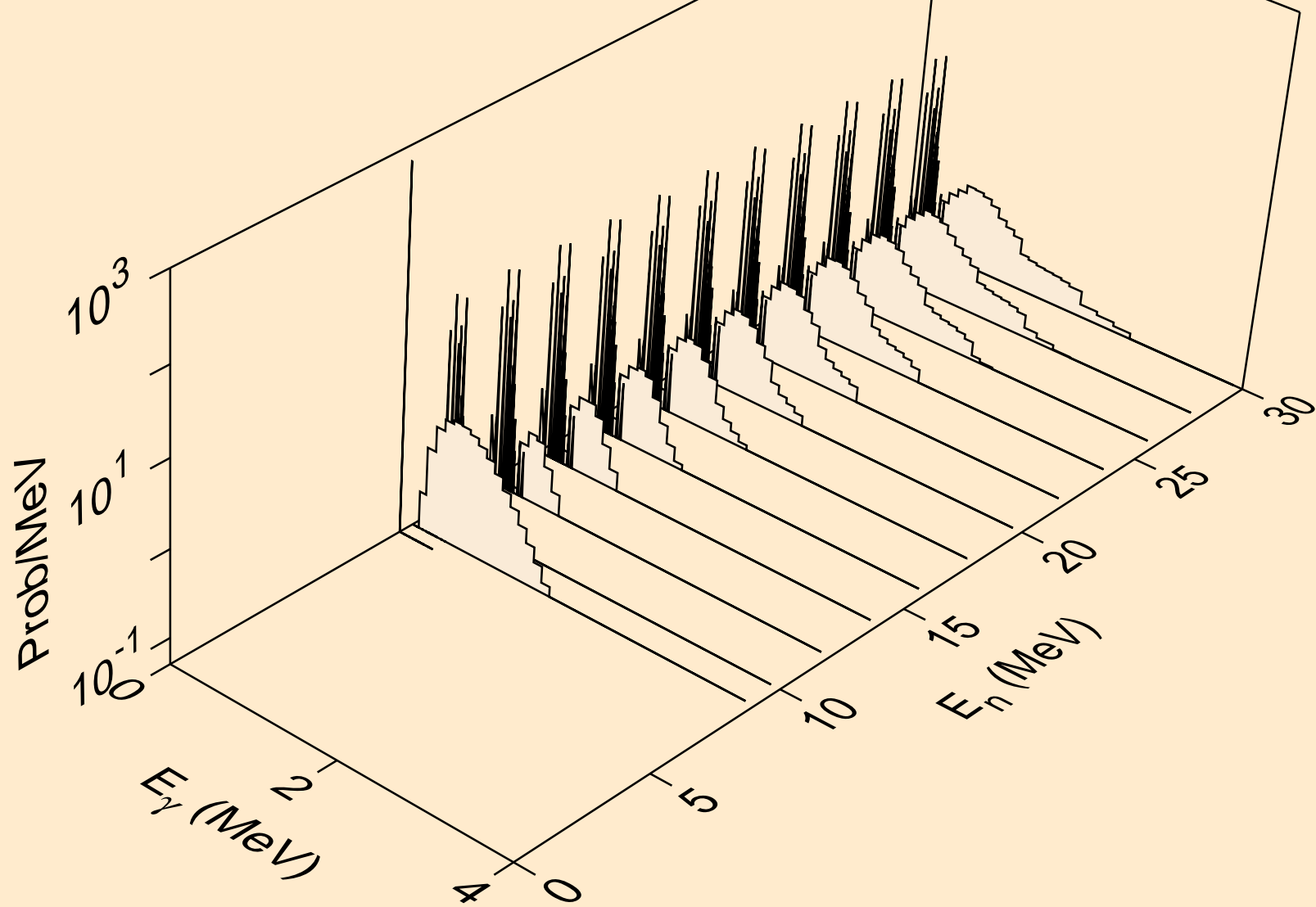
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Photon emission for (n,2n)a



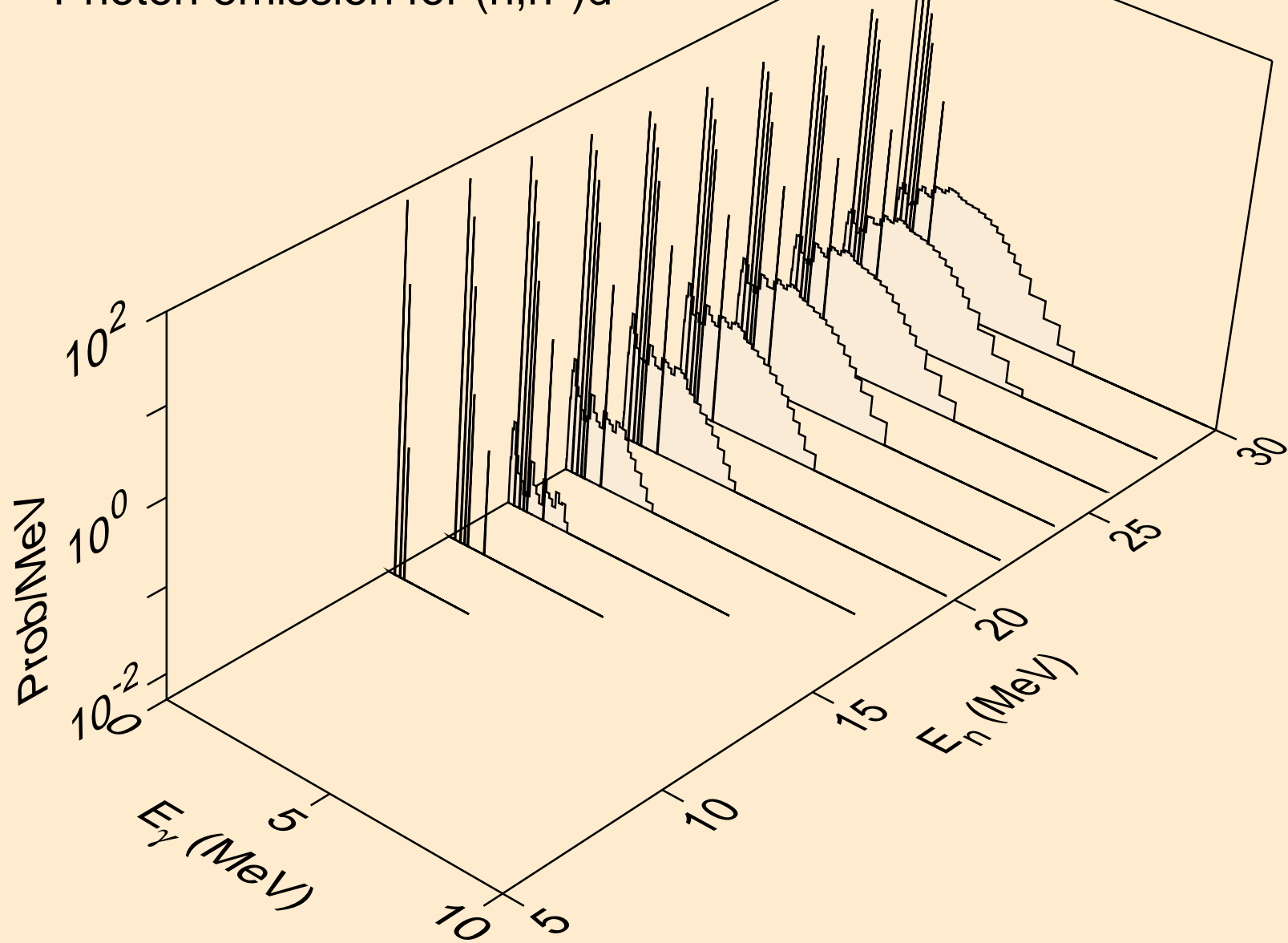
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Photon emission for (n,n\*)p



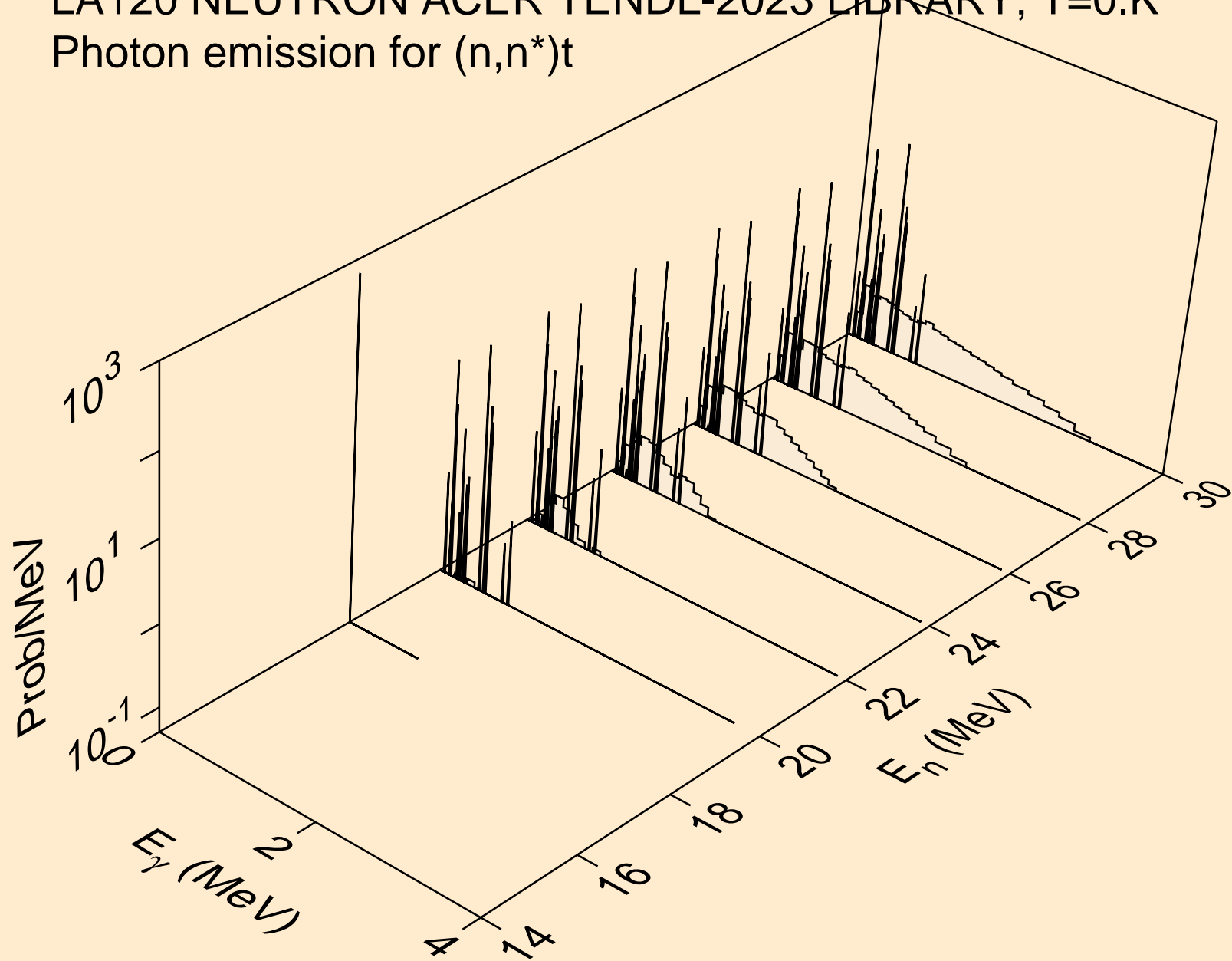
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Photon emission for (n,n\*)2a



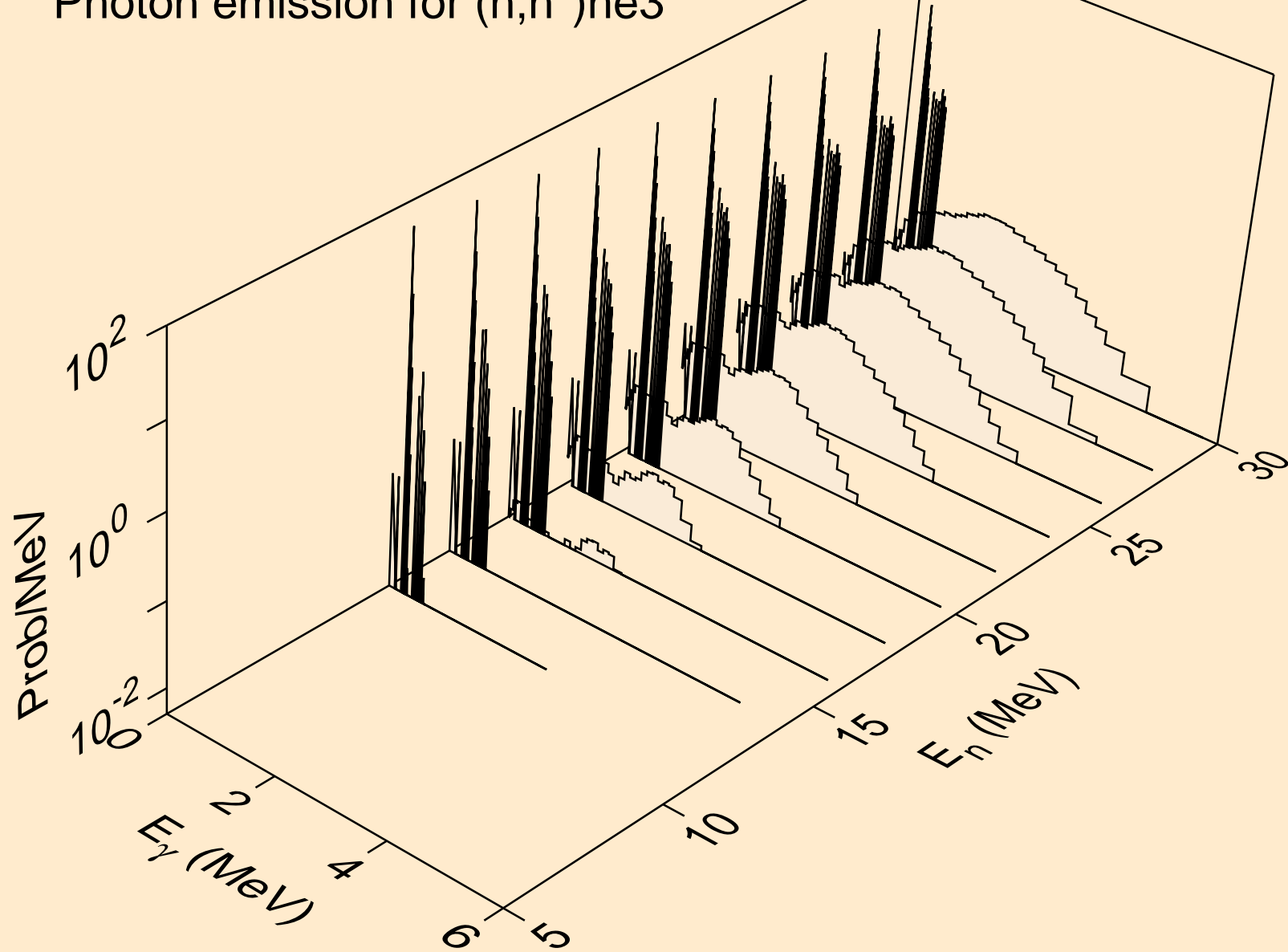
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Photon emission for (n,n\*)d



LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

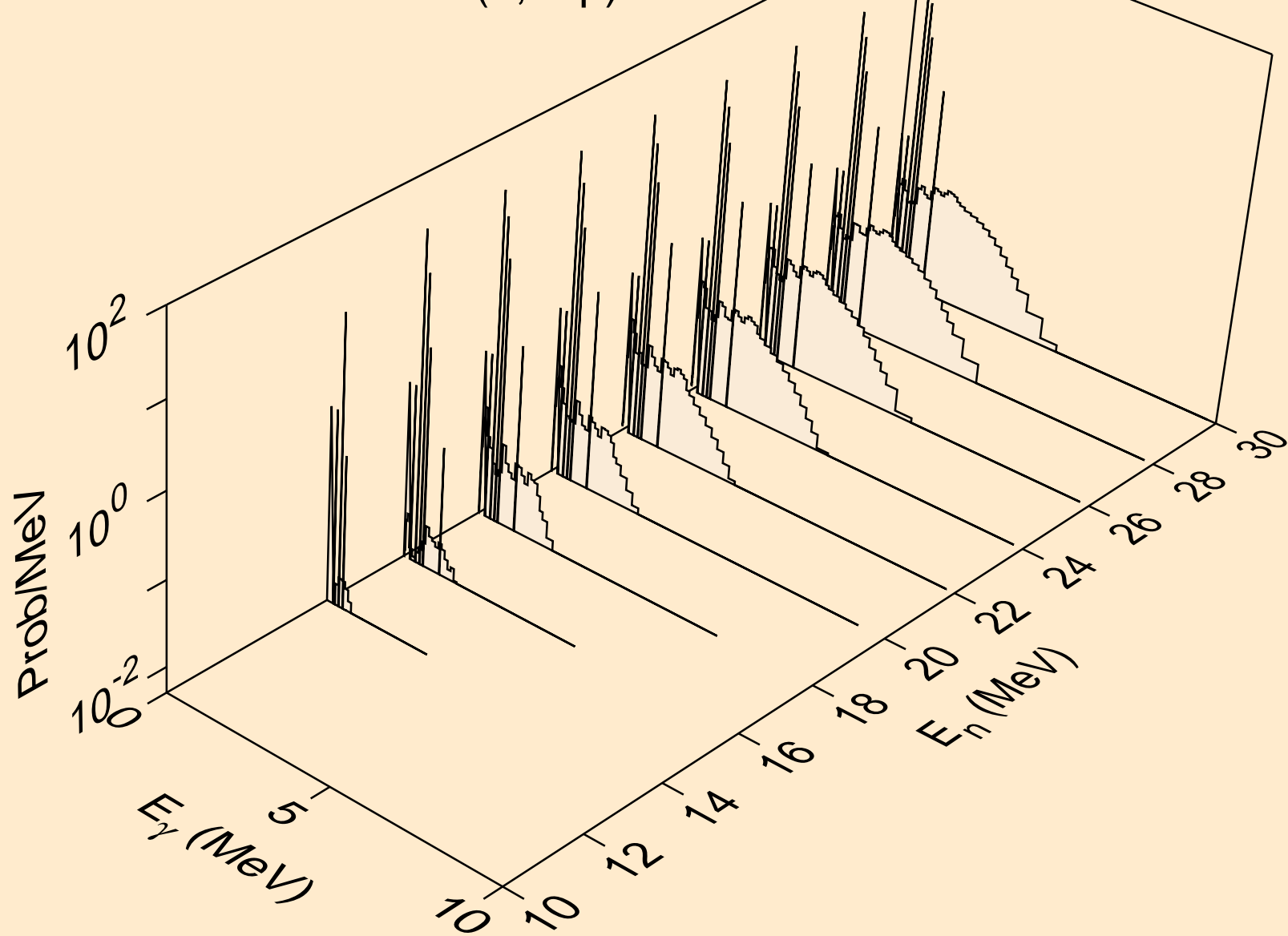


LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

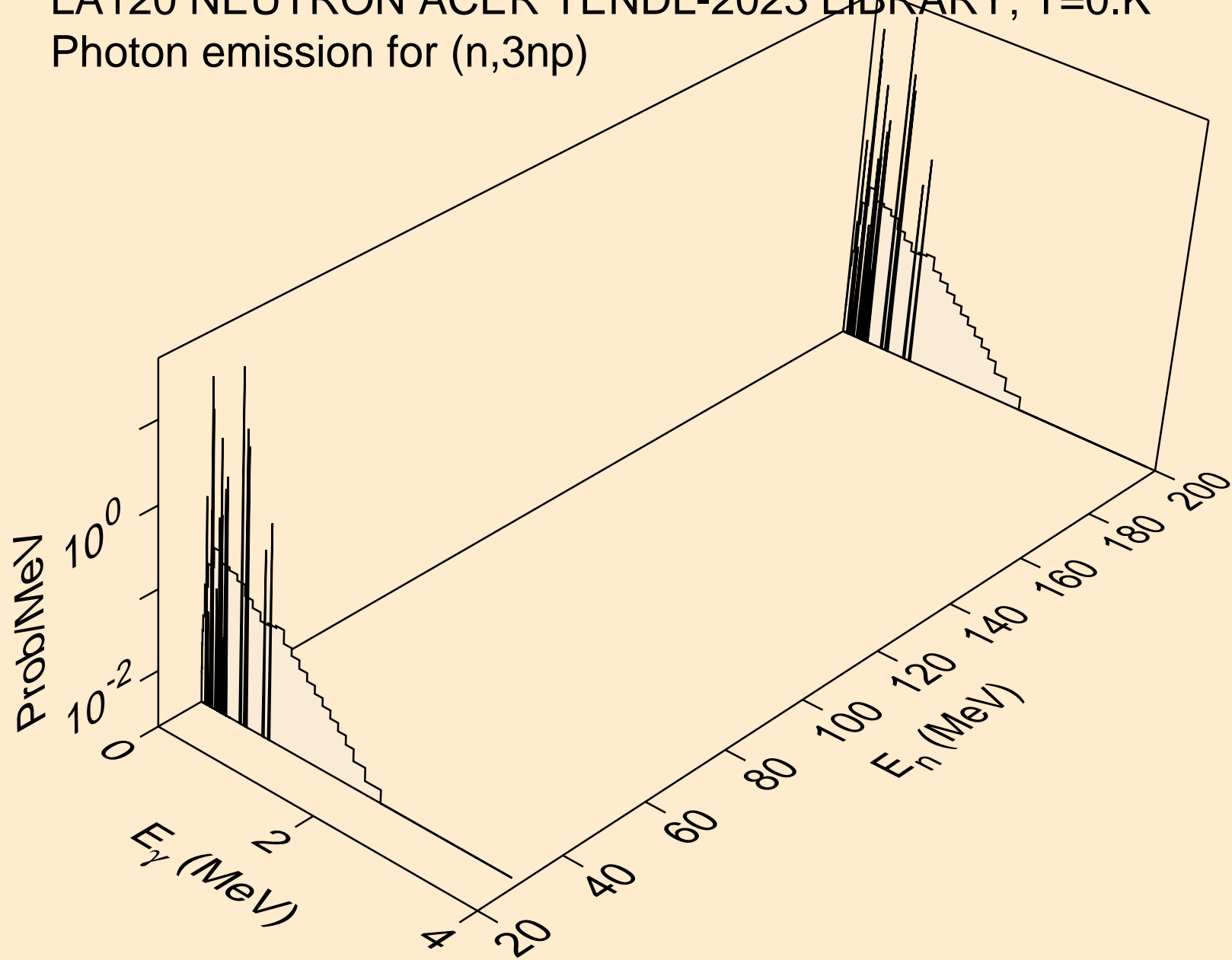




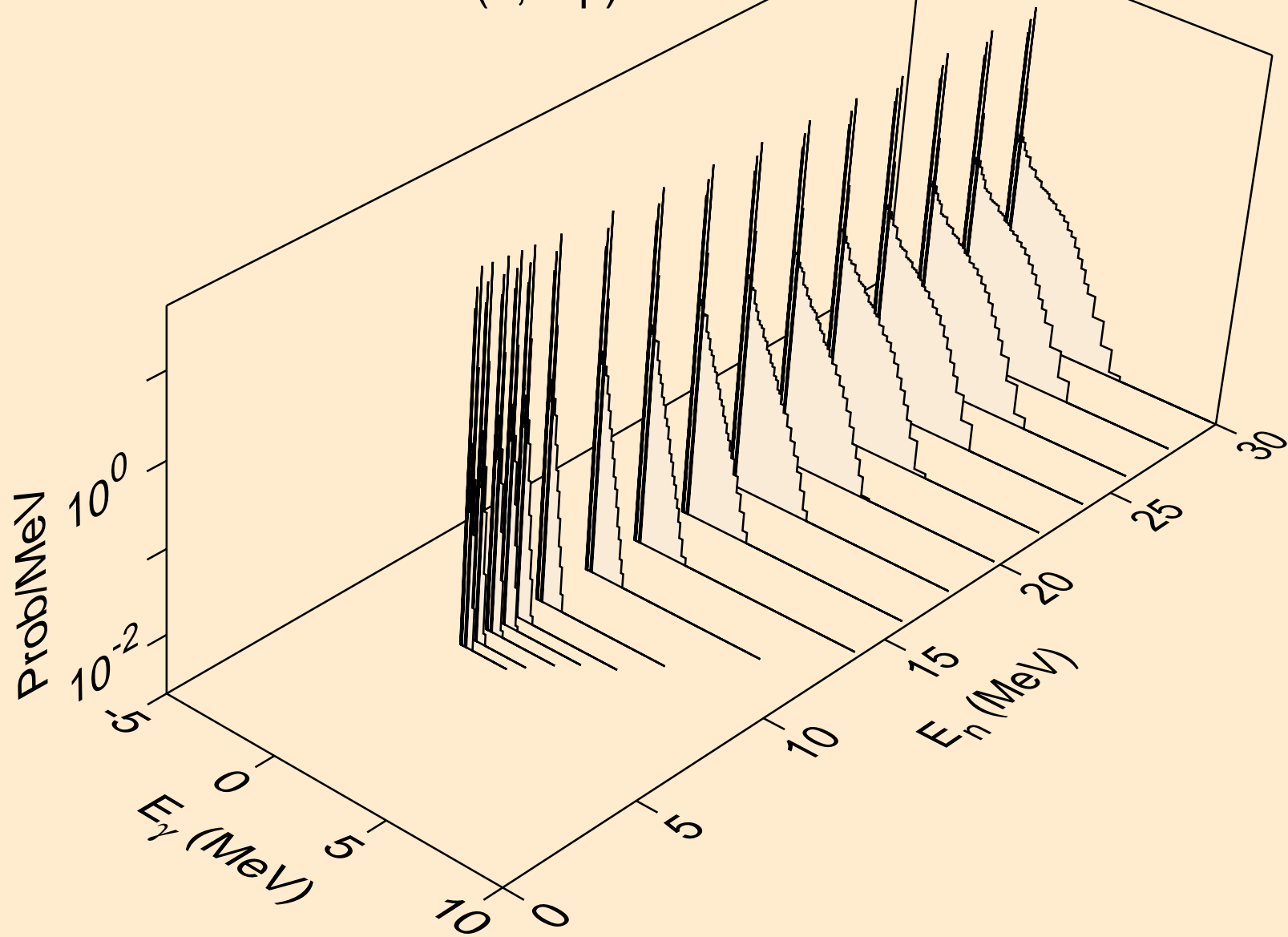
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Photon emission for (n,2np)



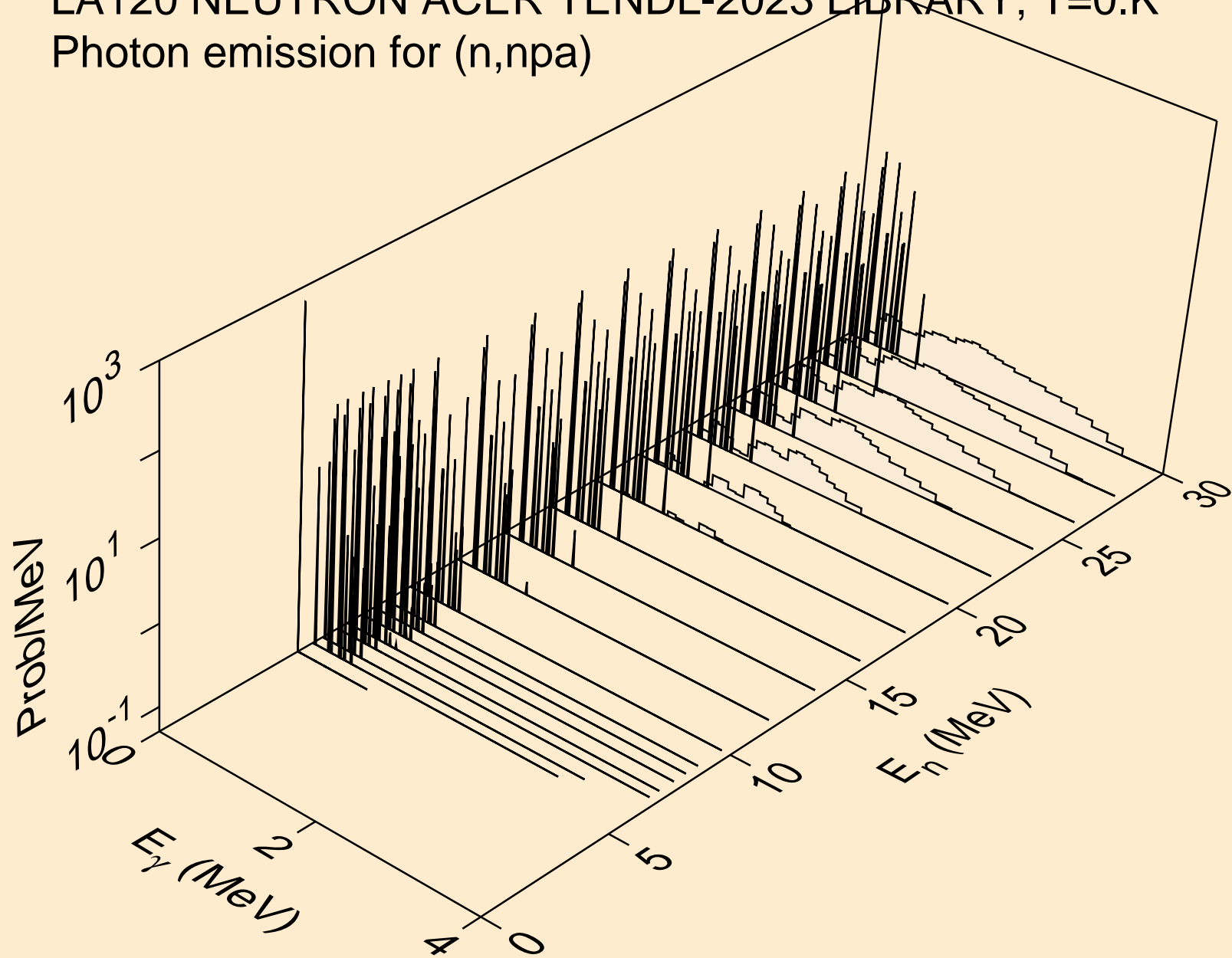
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Photon emission for (n,3np)



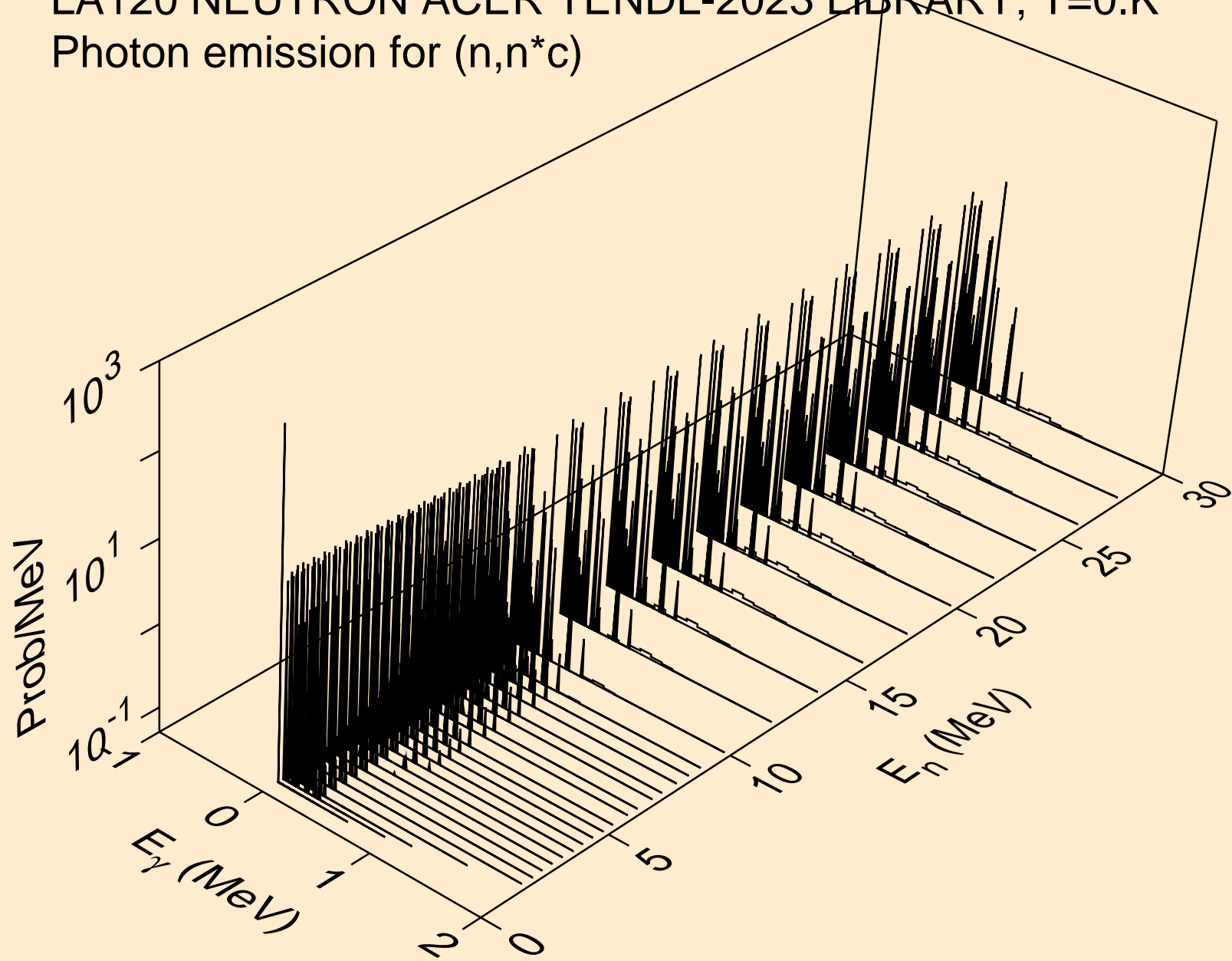
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Photon emission for (n,n2p)



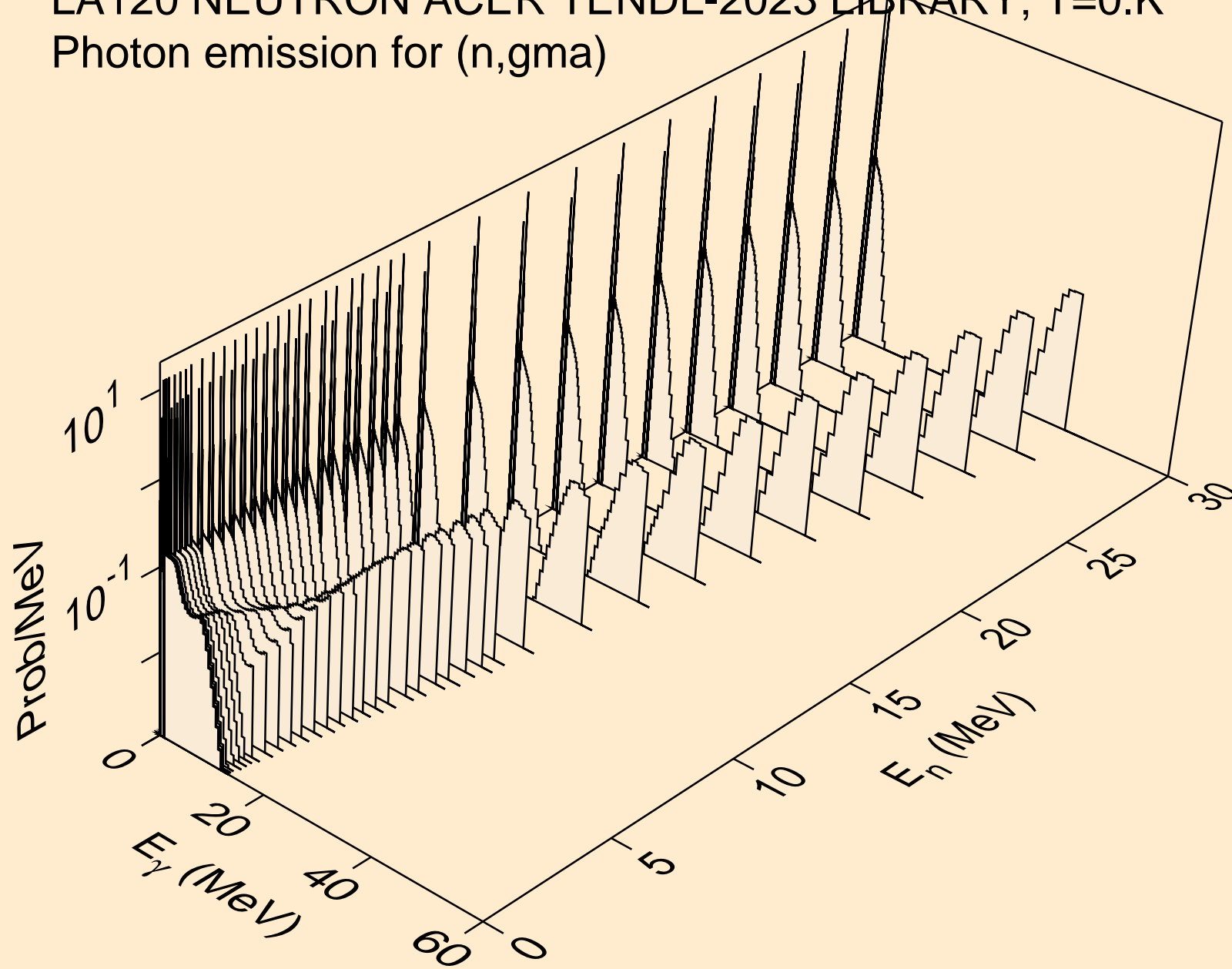
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Photon emission for (n,npa)



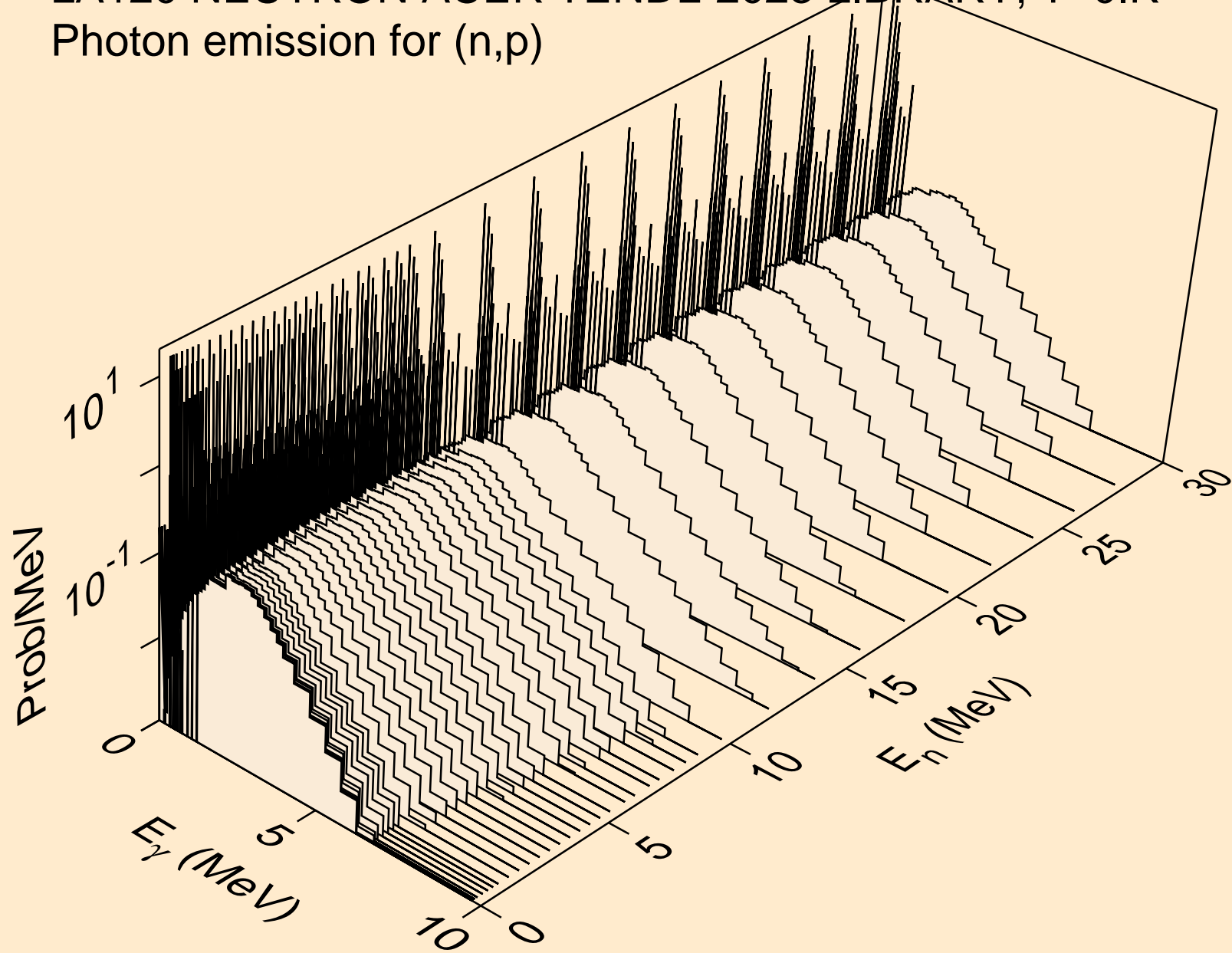
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Photon emission for (n,n\*c)



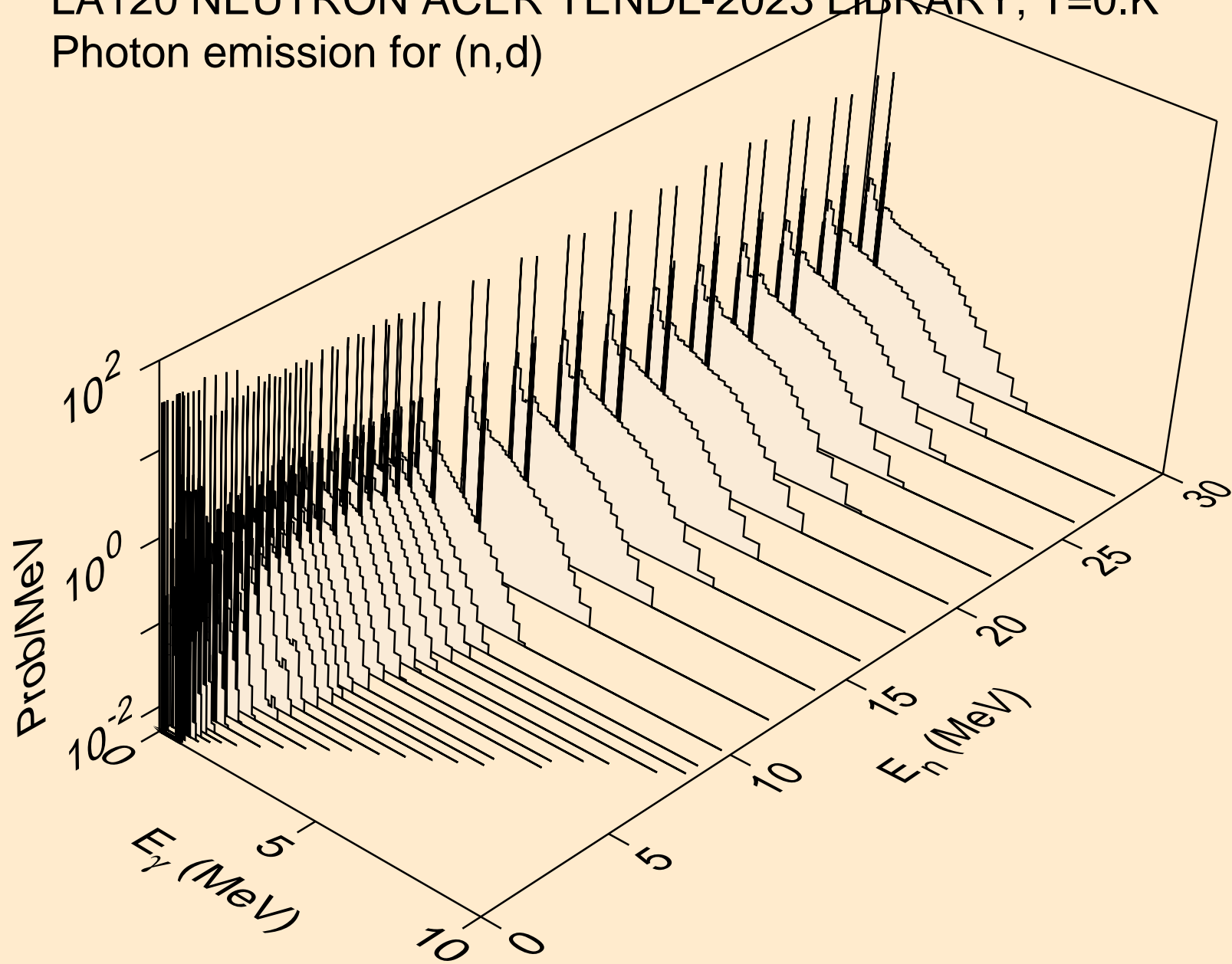
LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)

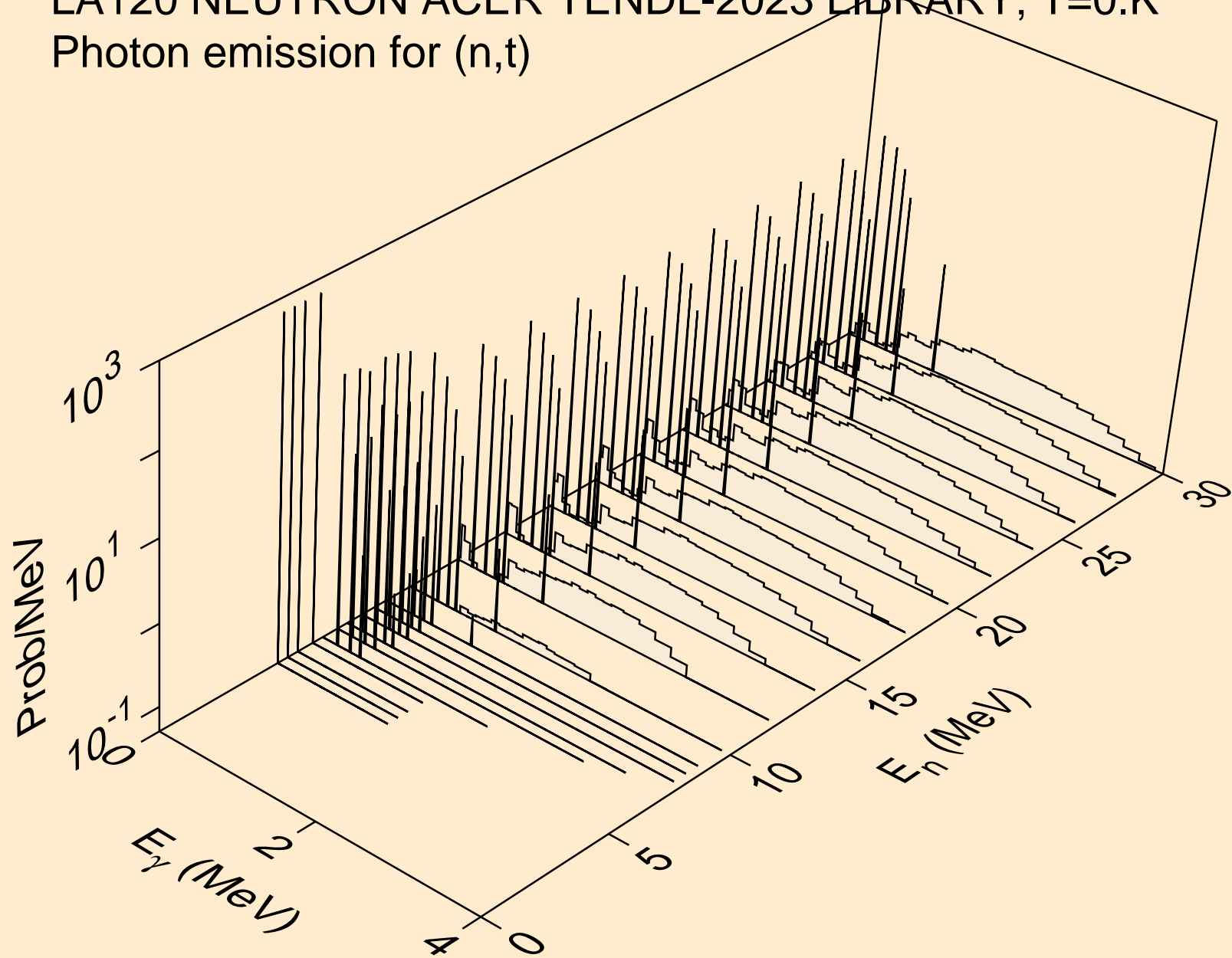


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Photon emission for (n,d)

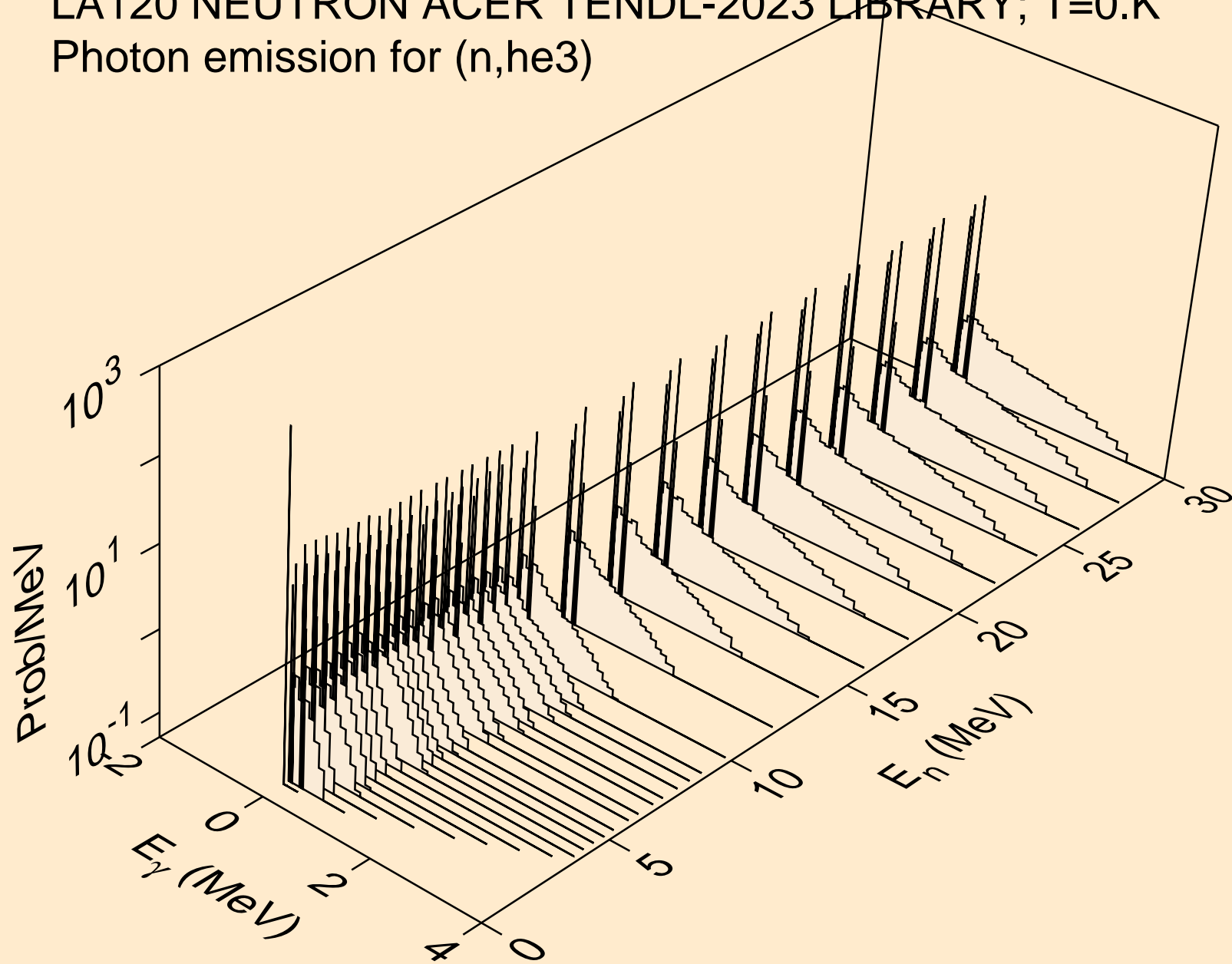




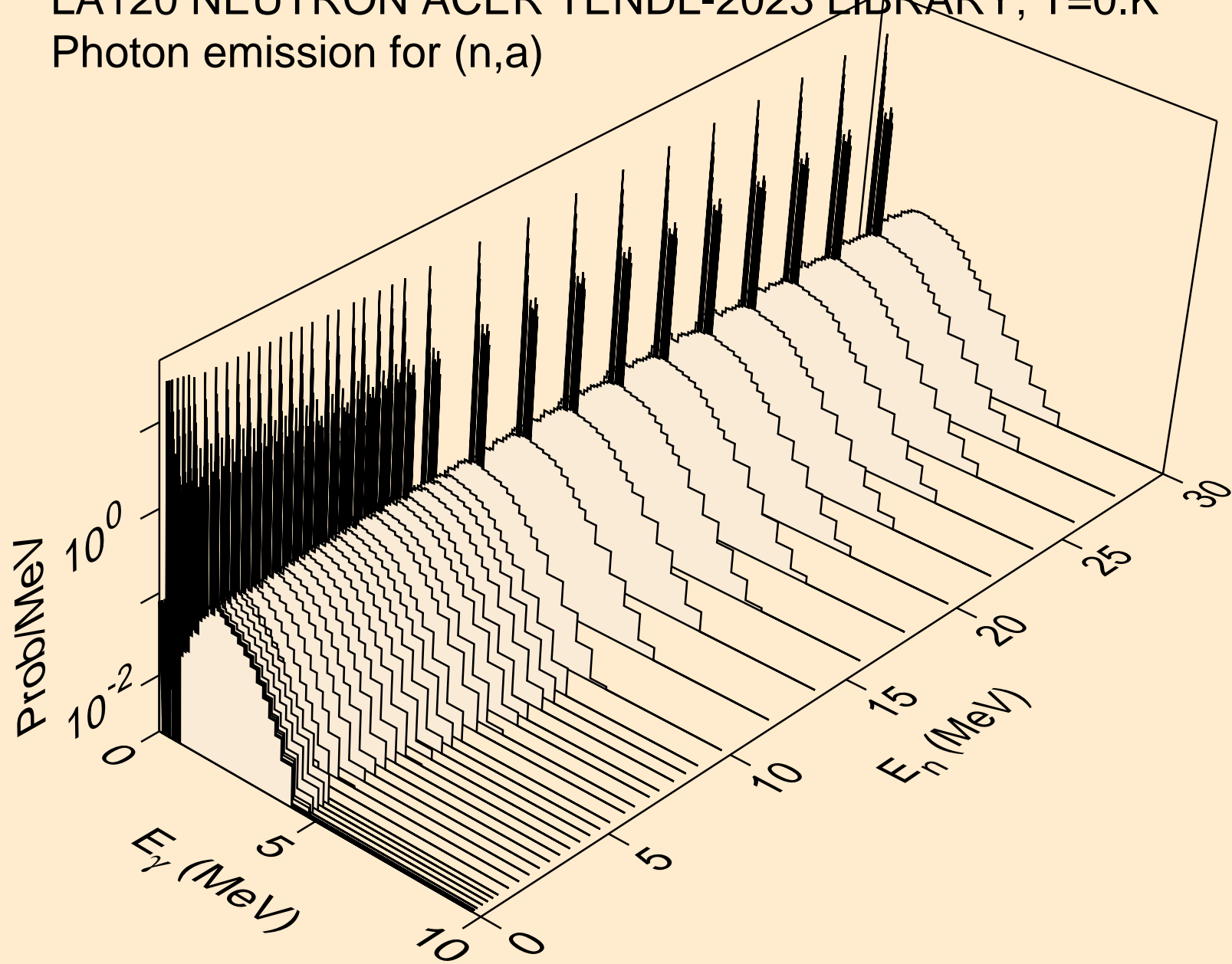
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Photon emission for (n,t)



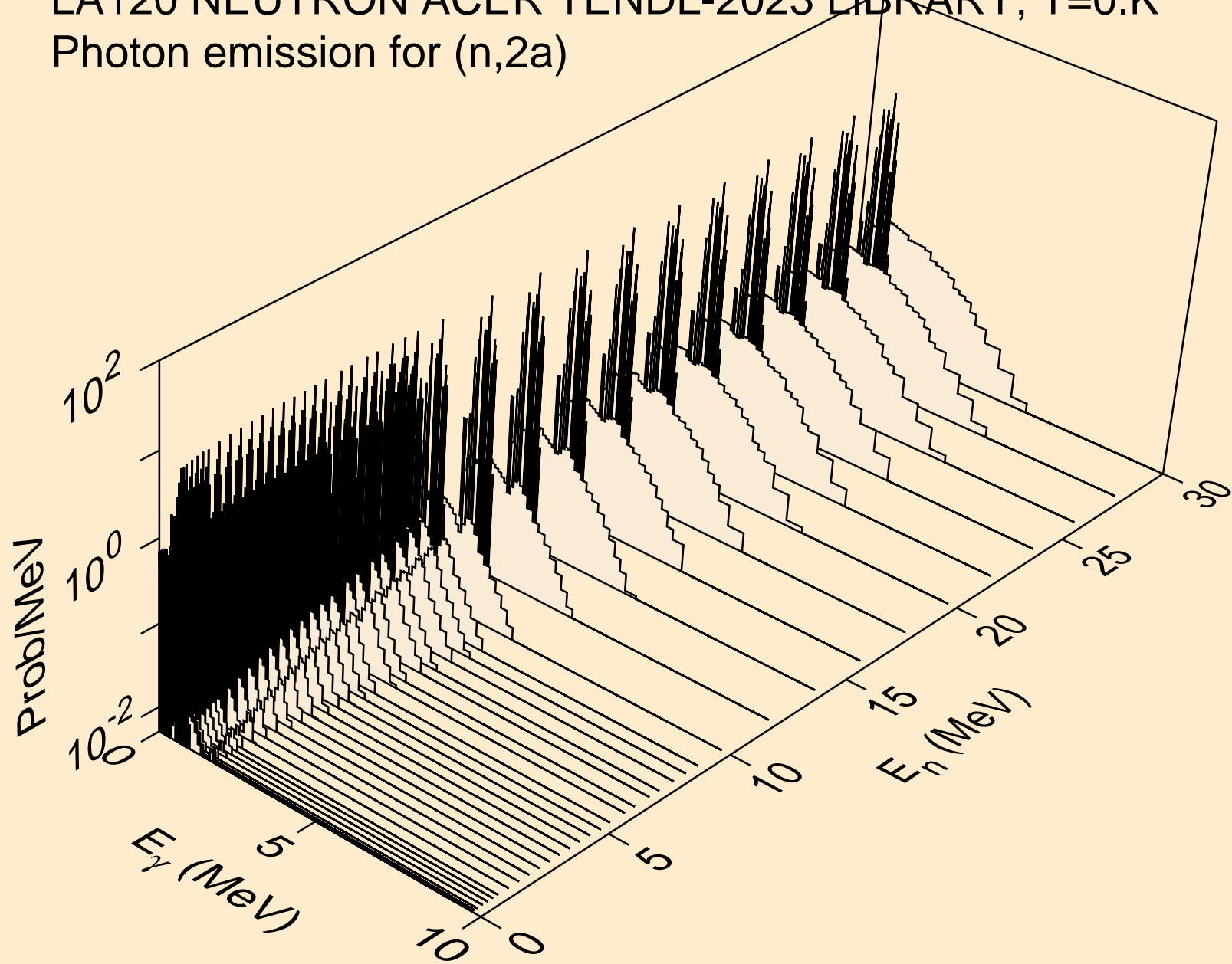
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Photon emission for (n,he3)



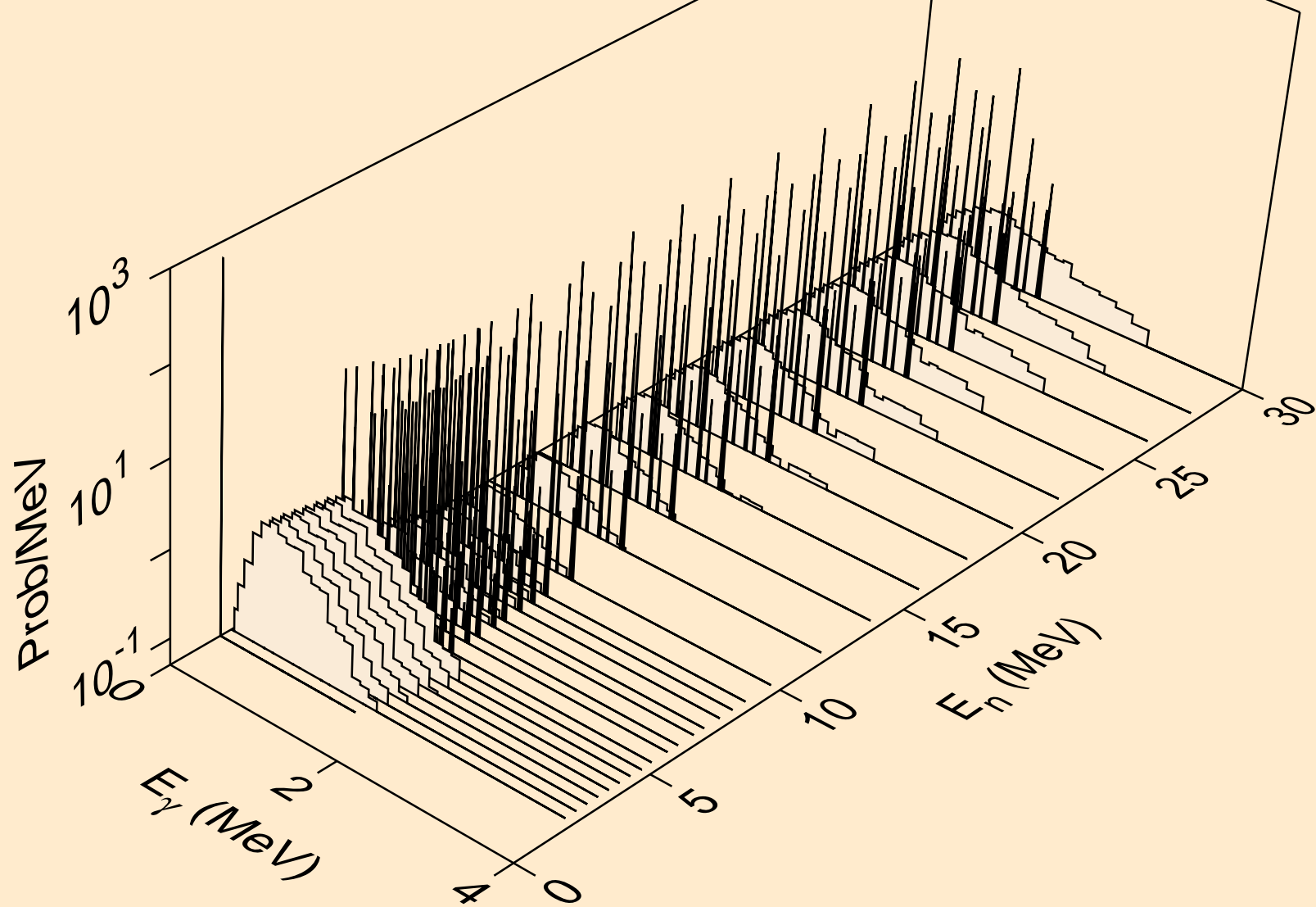
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Photon emission for (n,a)



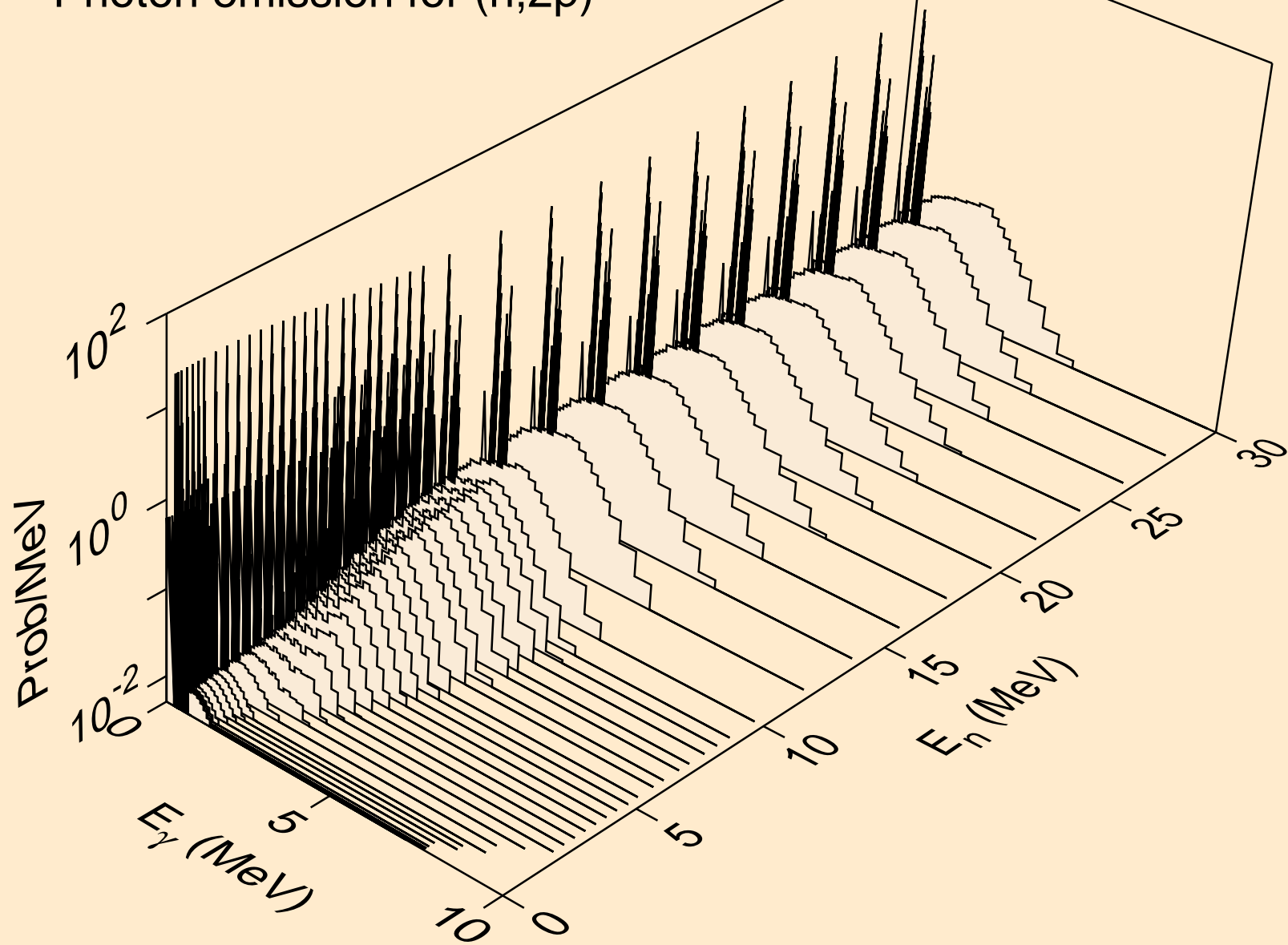
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Photon emission for (n,2a)



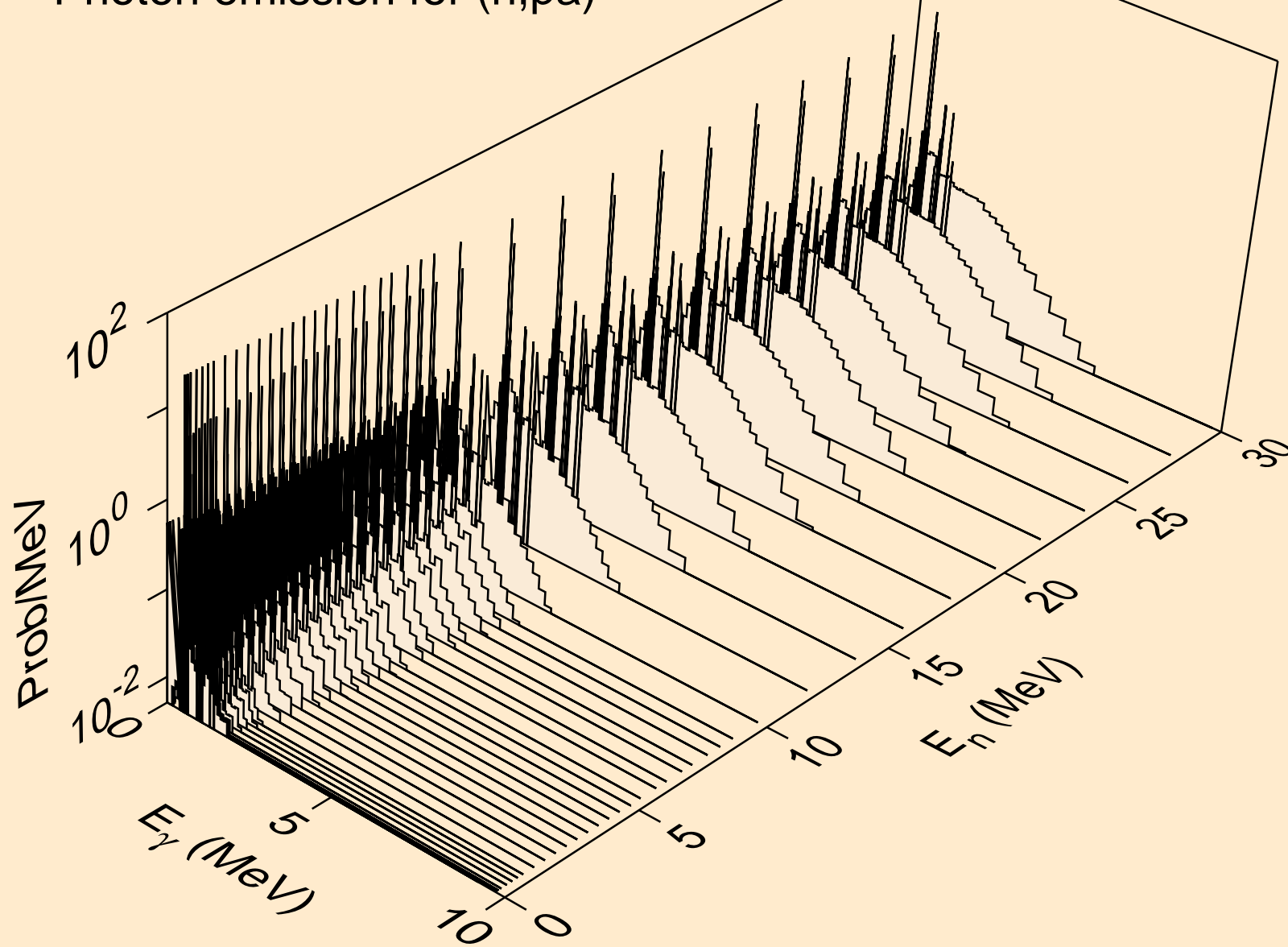
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Photon emission for (n,3a)



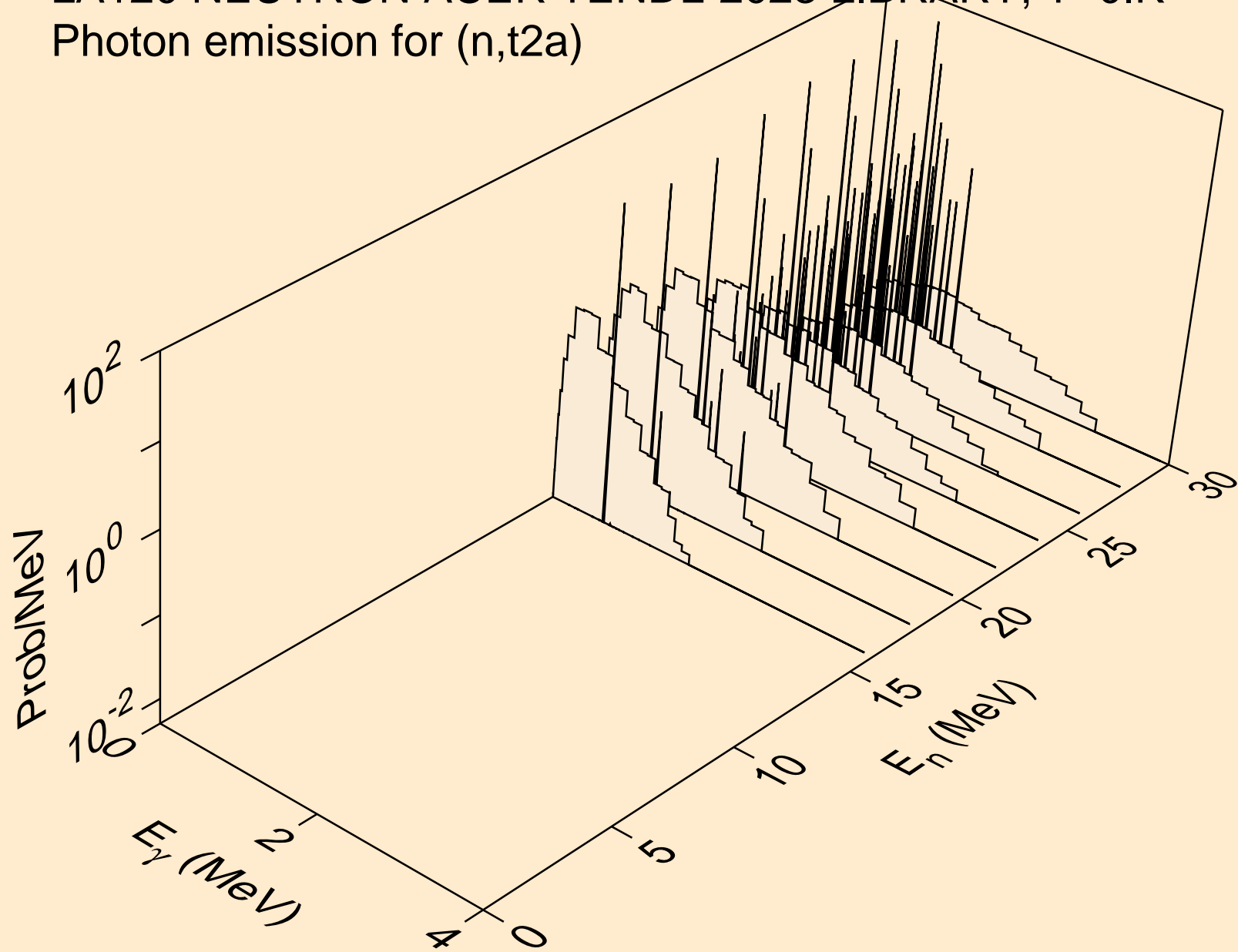
LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)

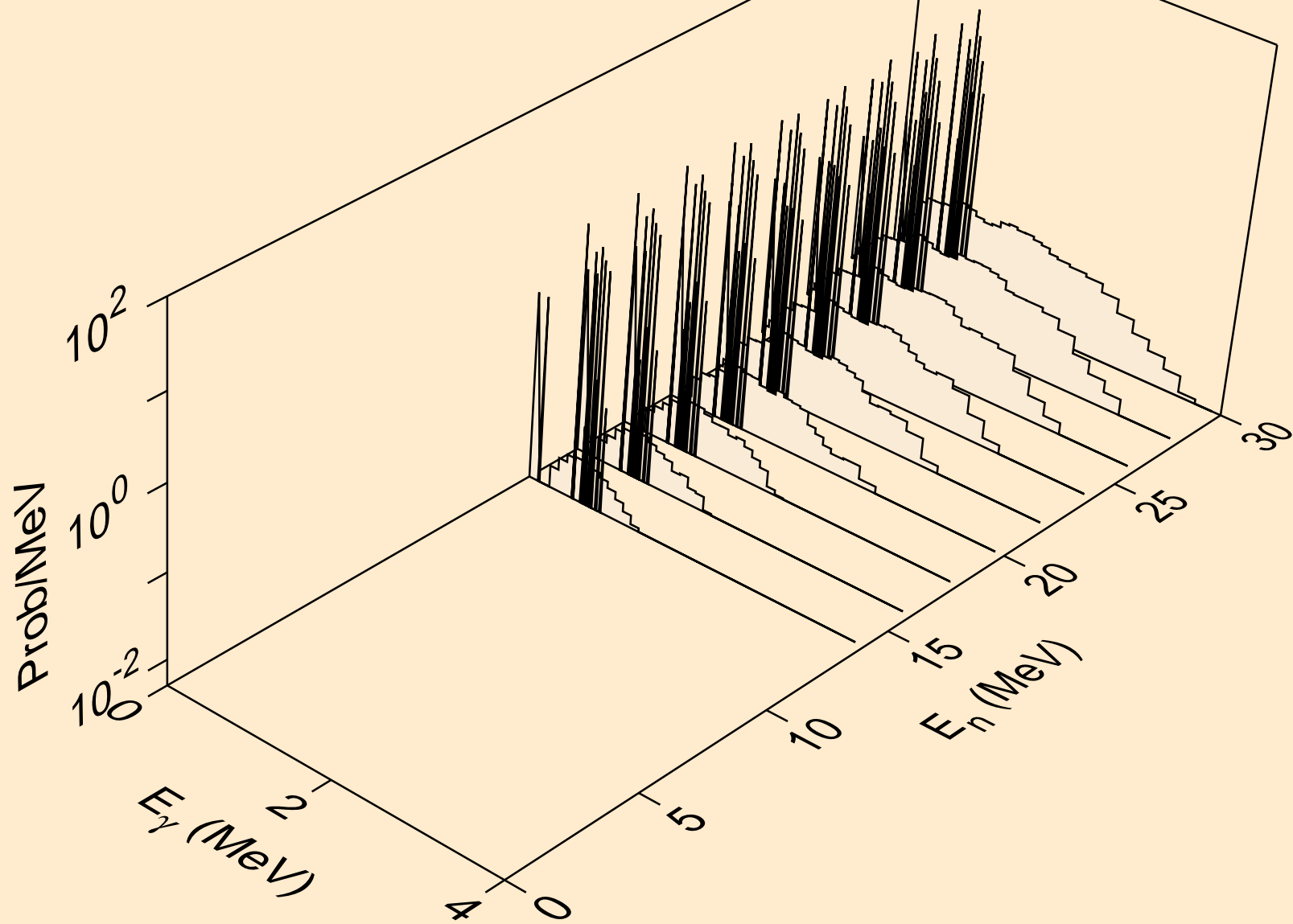


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Photon emission for (n,t2a)

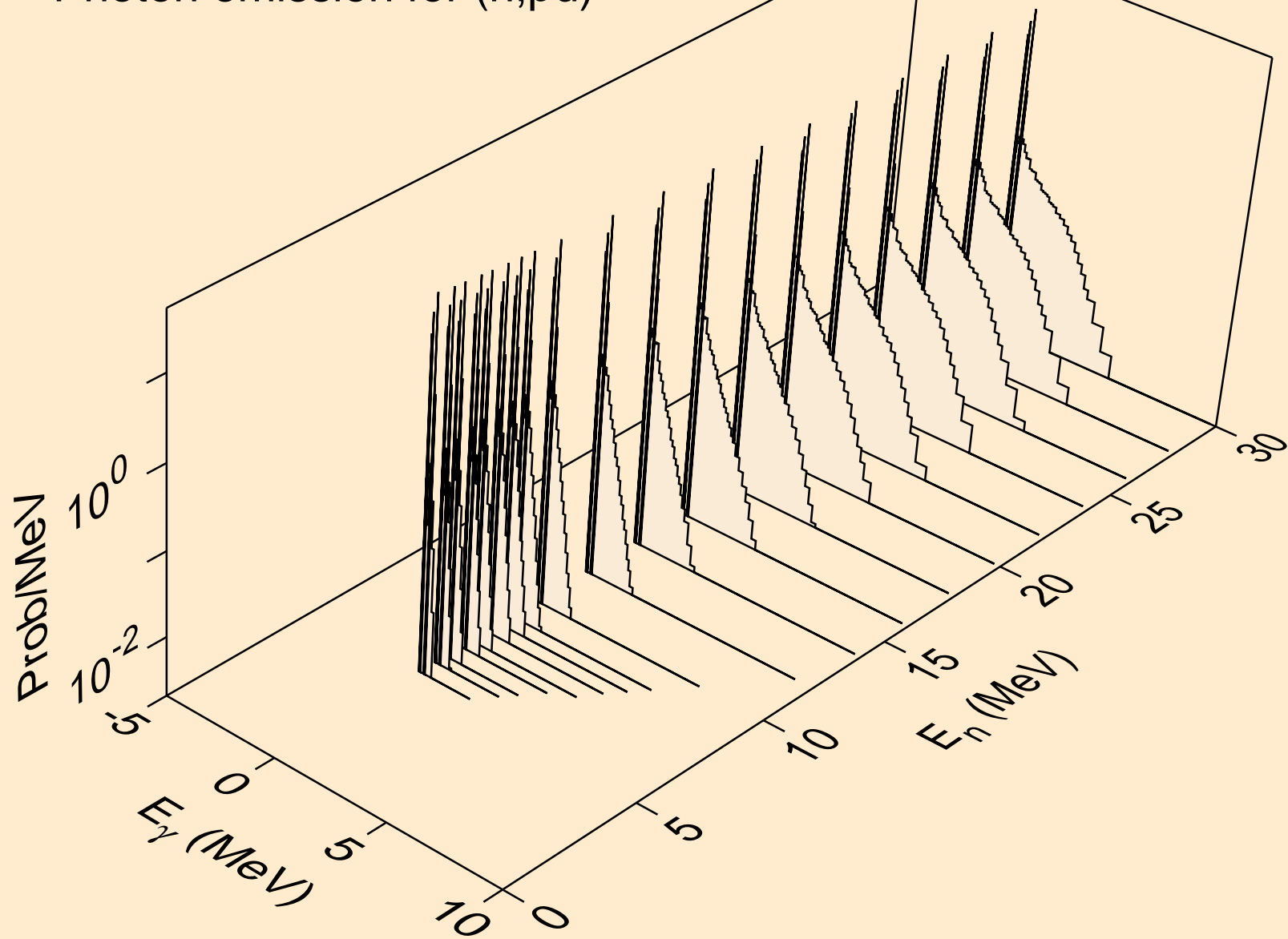




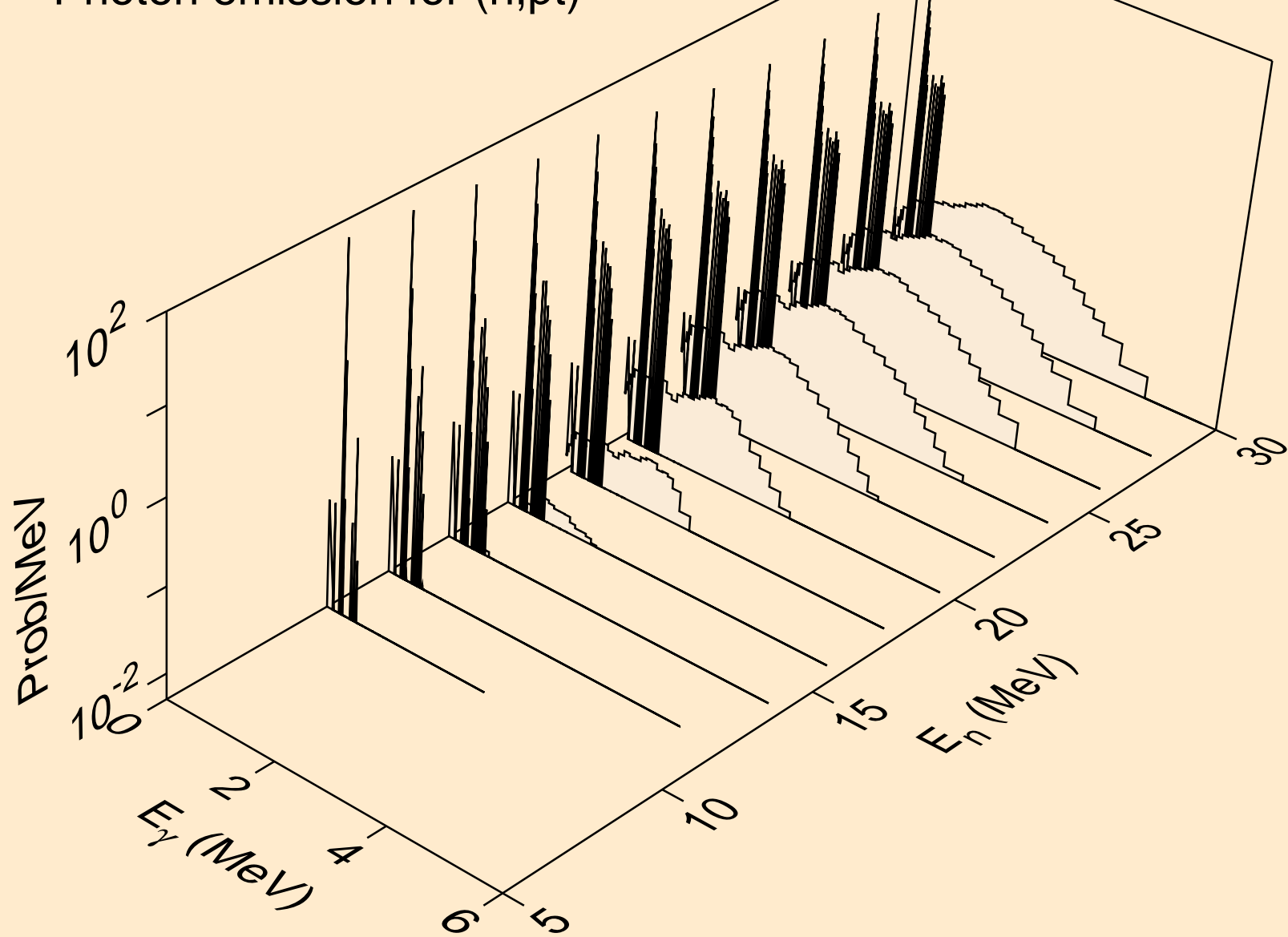
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Photon emission for (n,d2a)



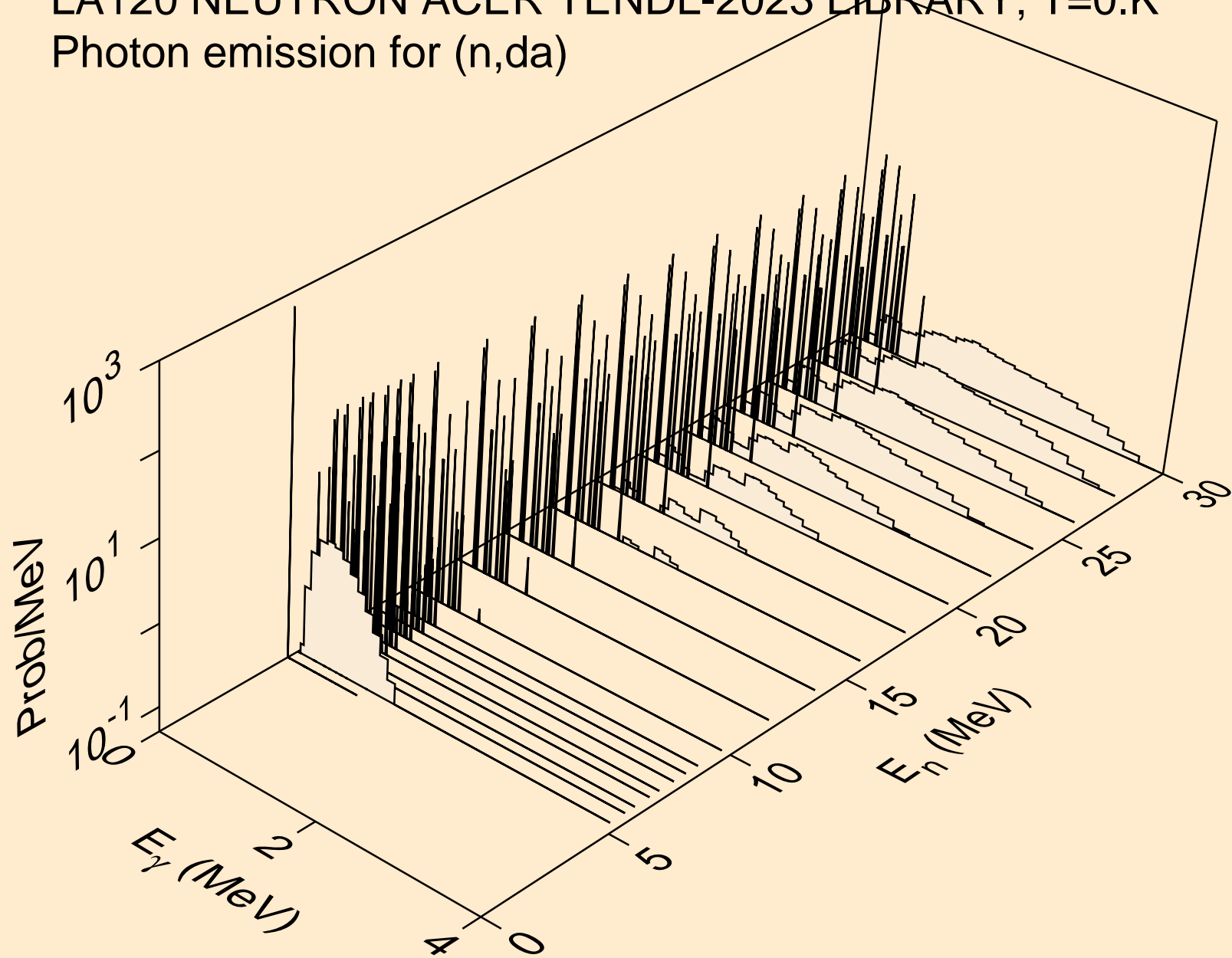
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Photon emission for (n,pd)



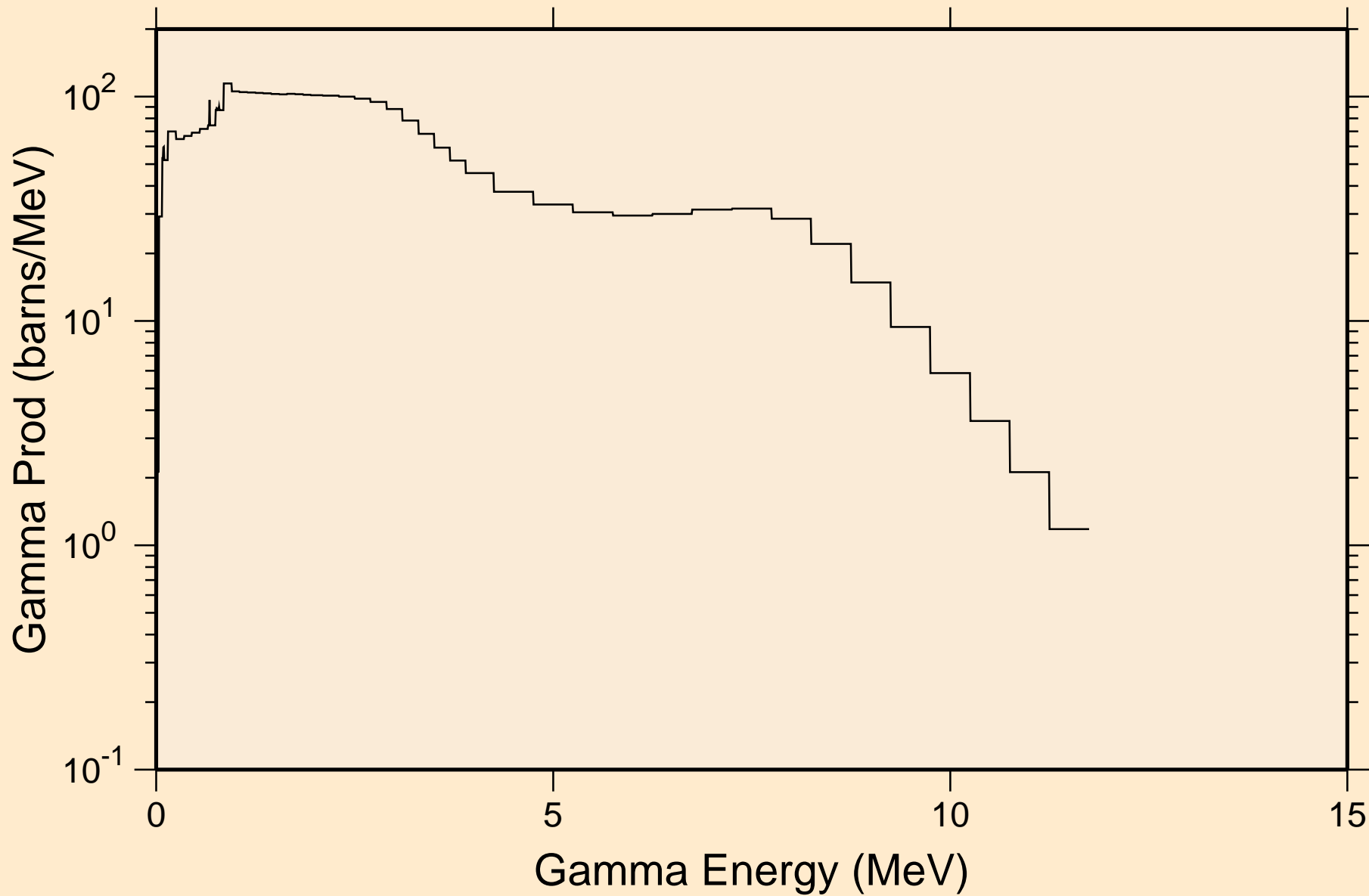
LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



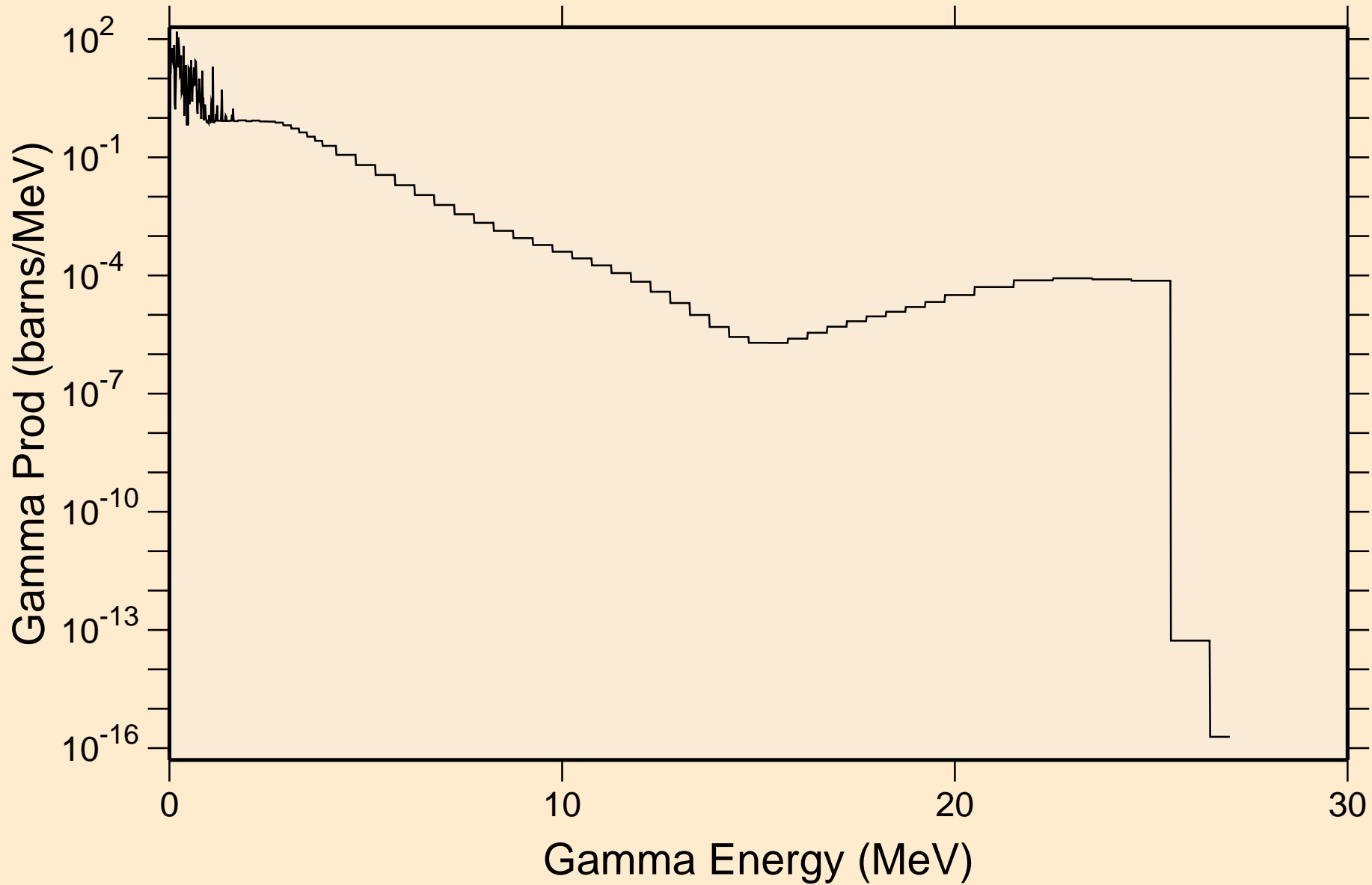
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Photon emission for (n,da)



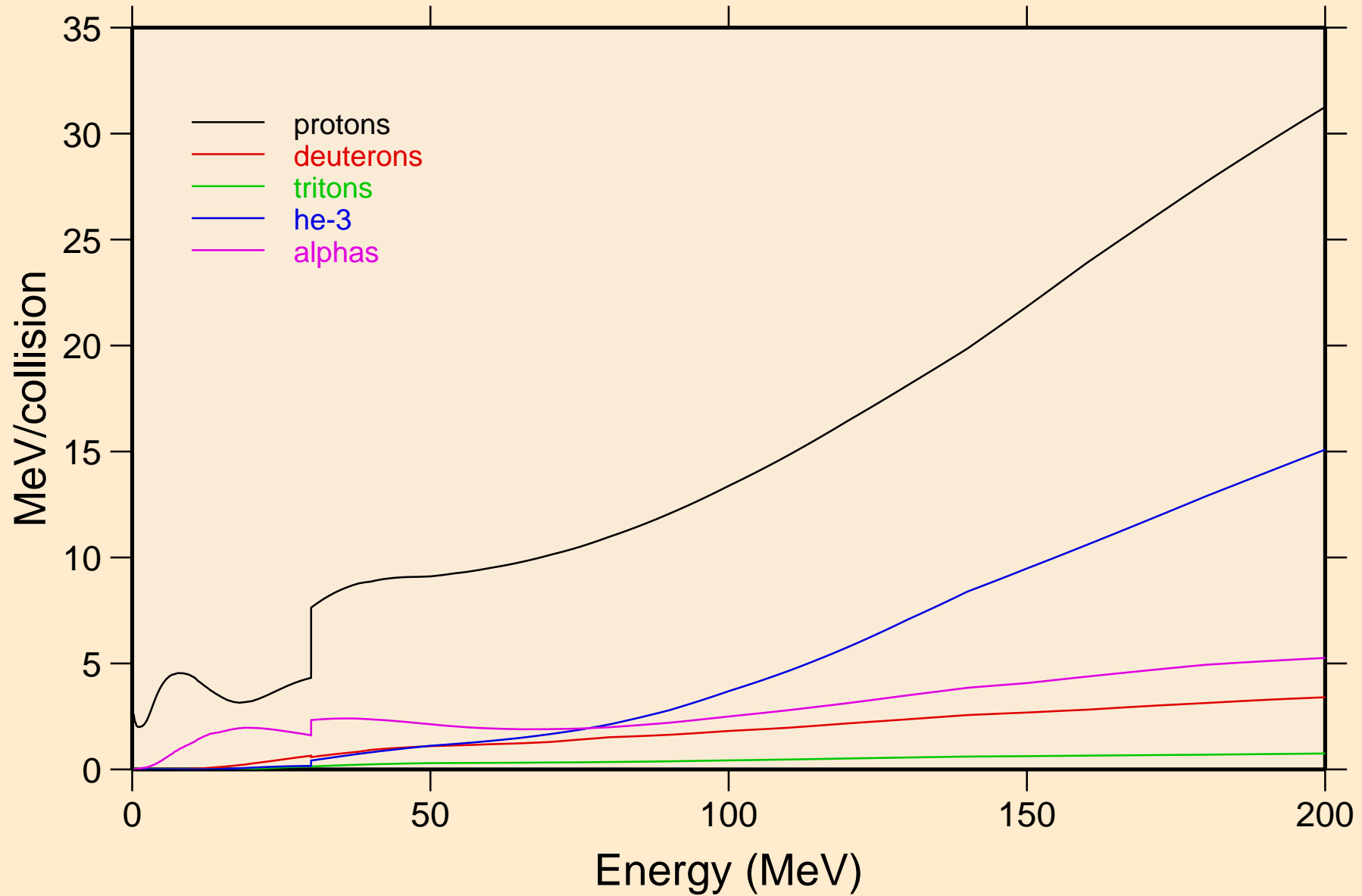
LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum



LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

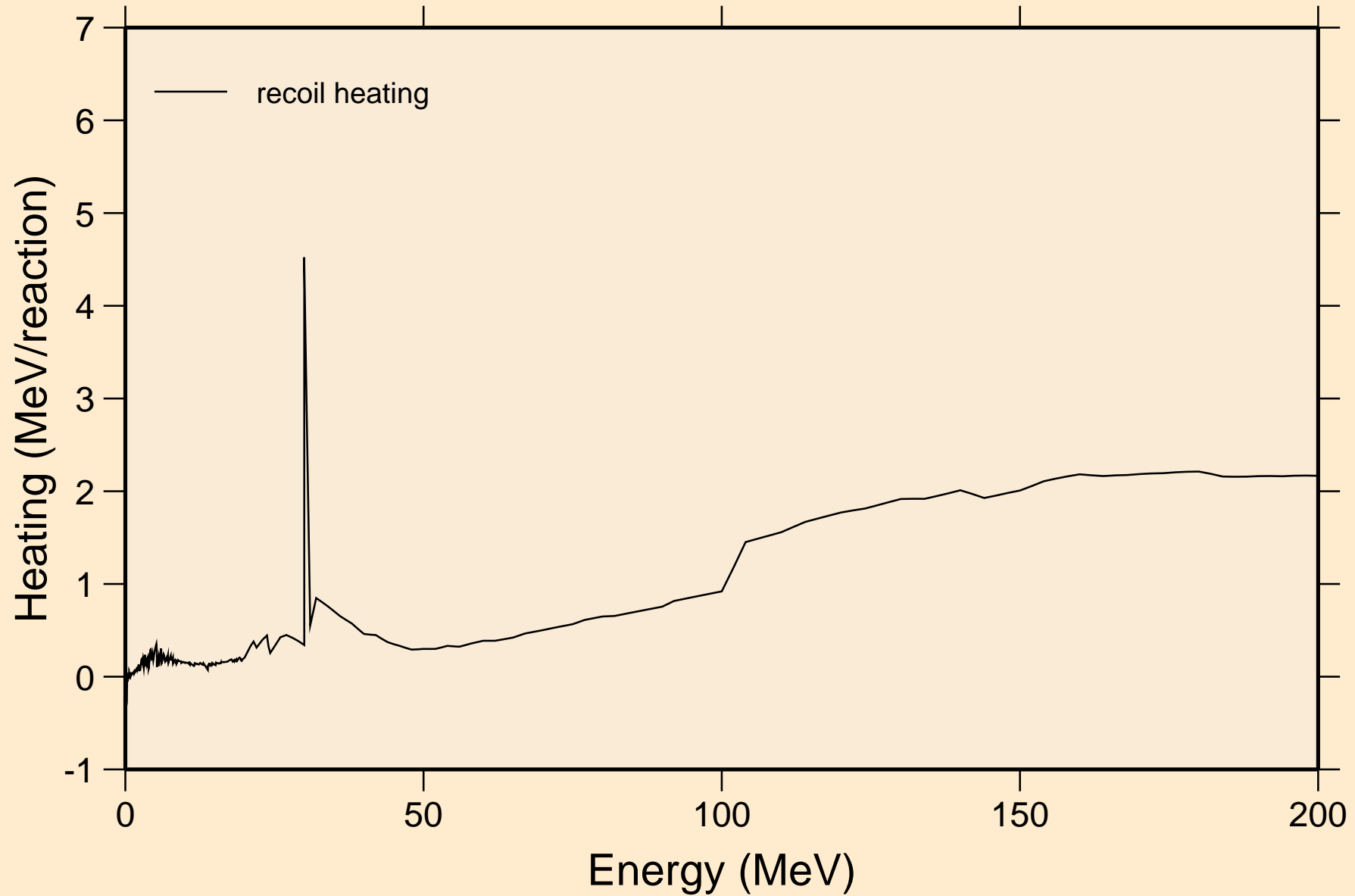


LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions



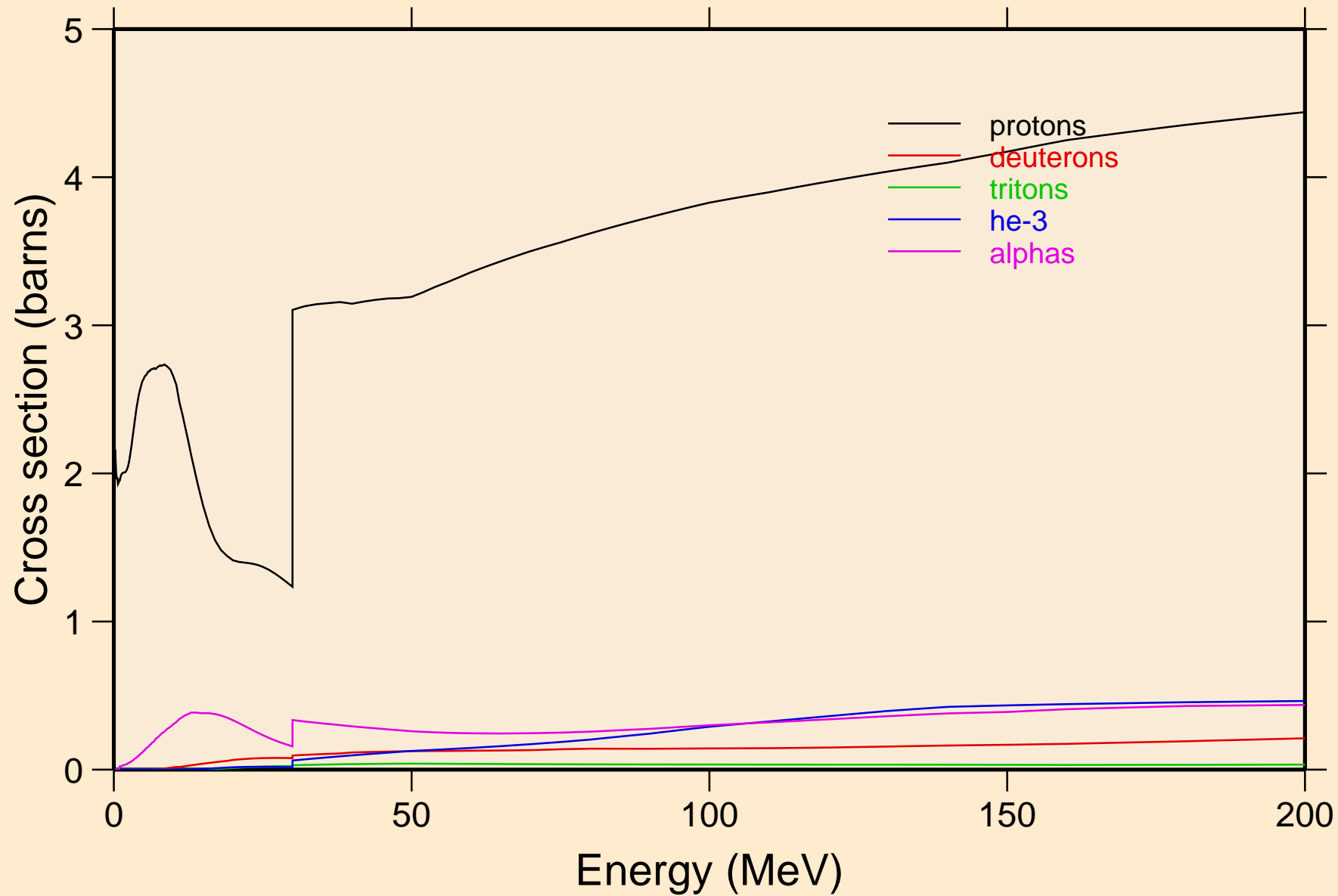
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## Recoil Heating

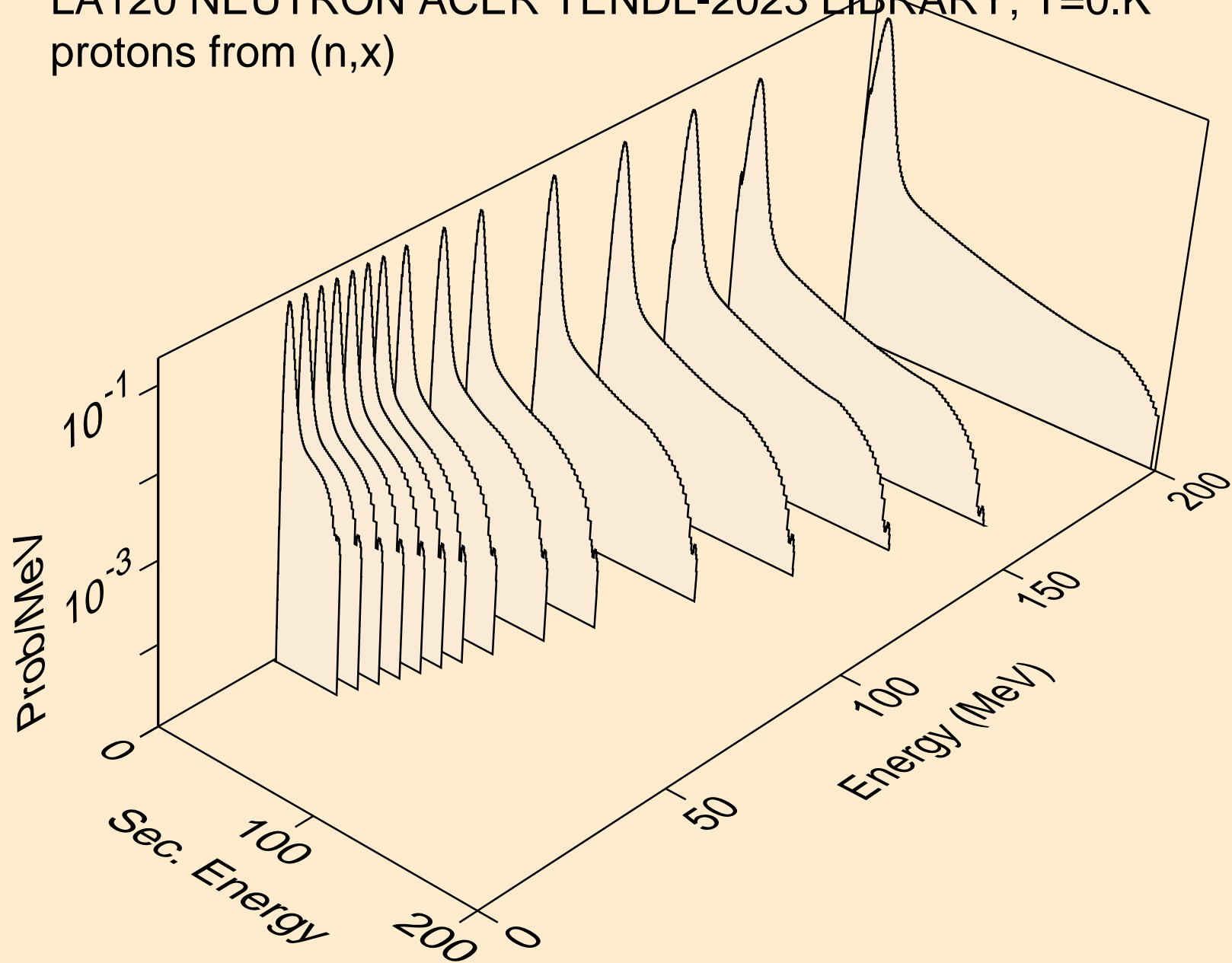




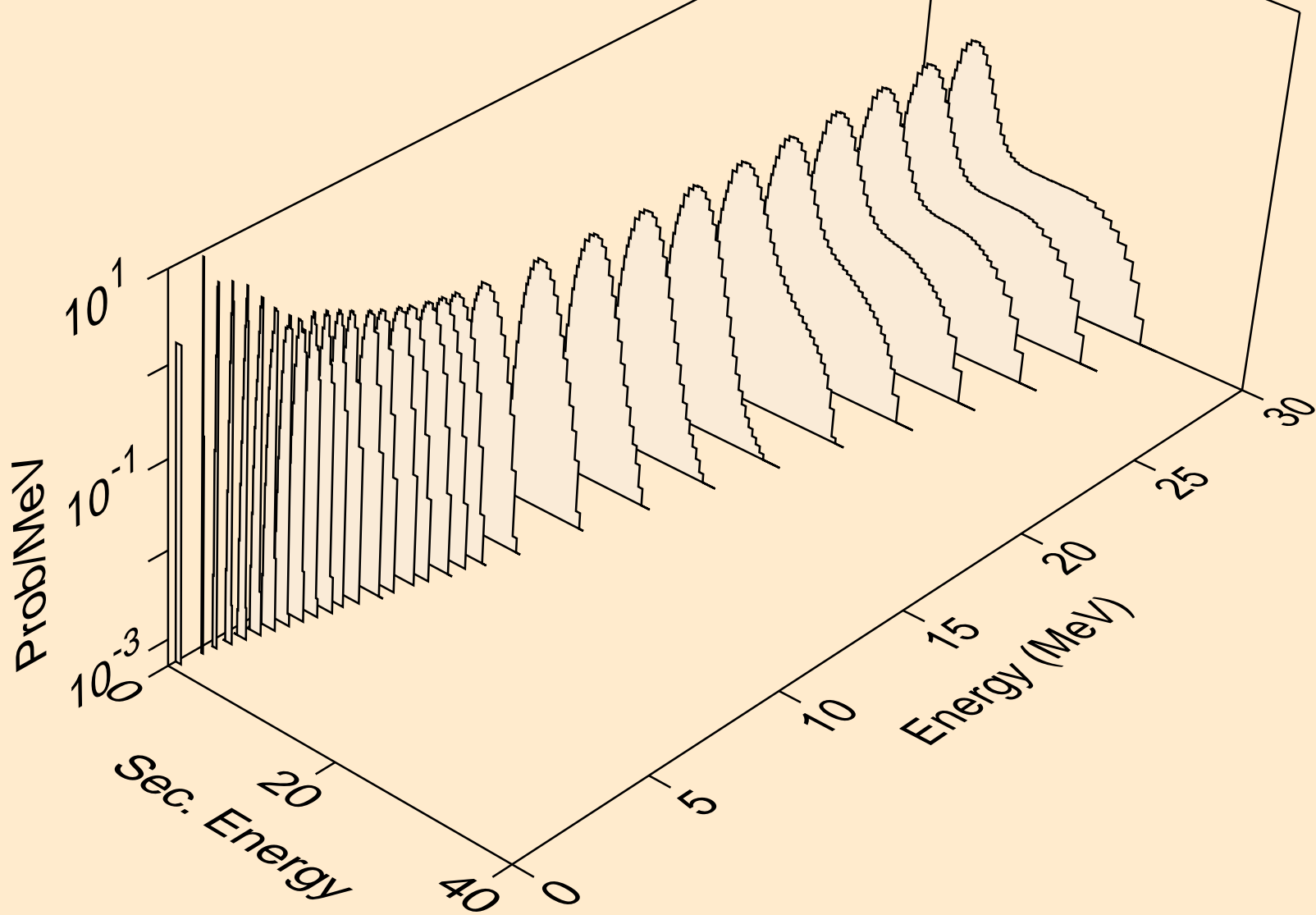
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Particle production cross sections



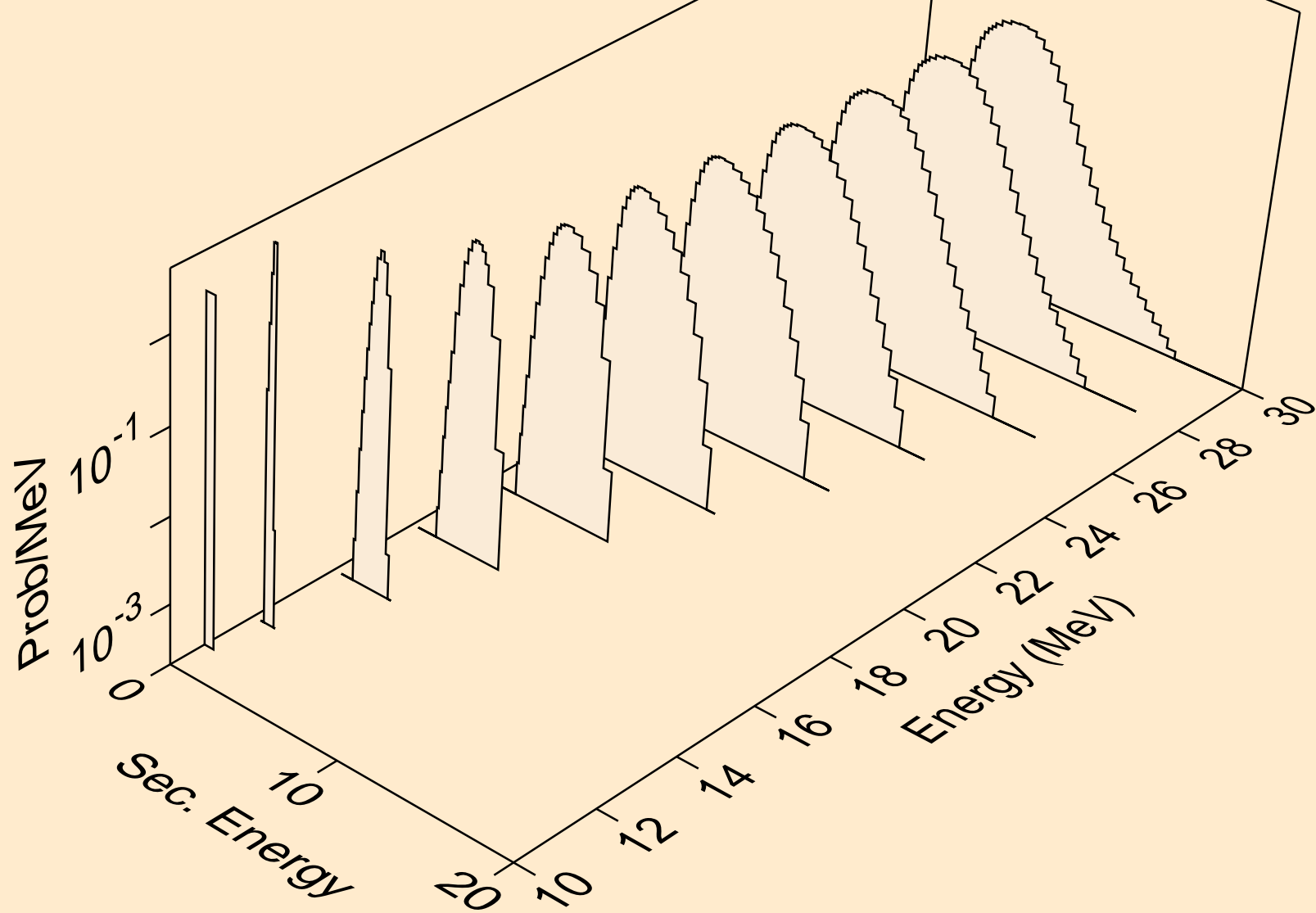
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protons from (n,x)



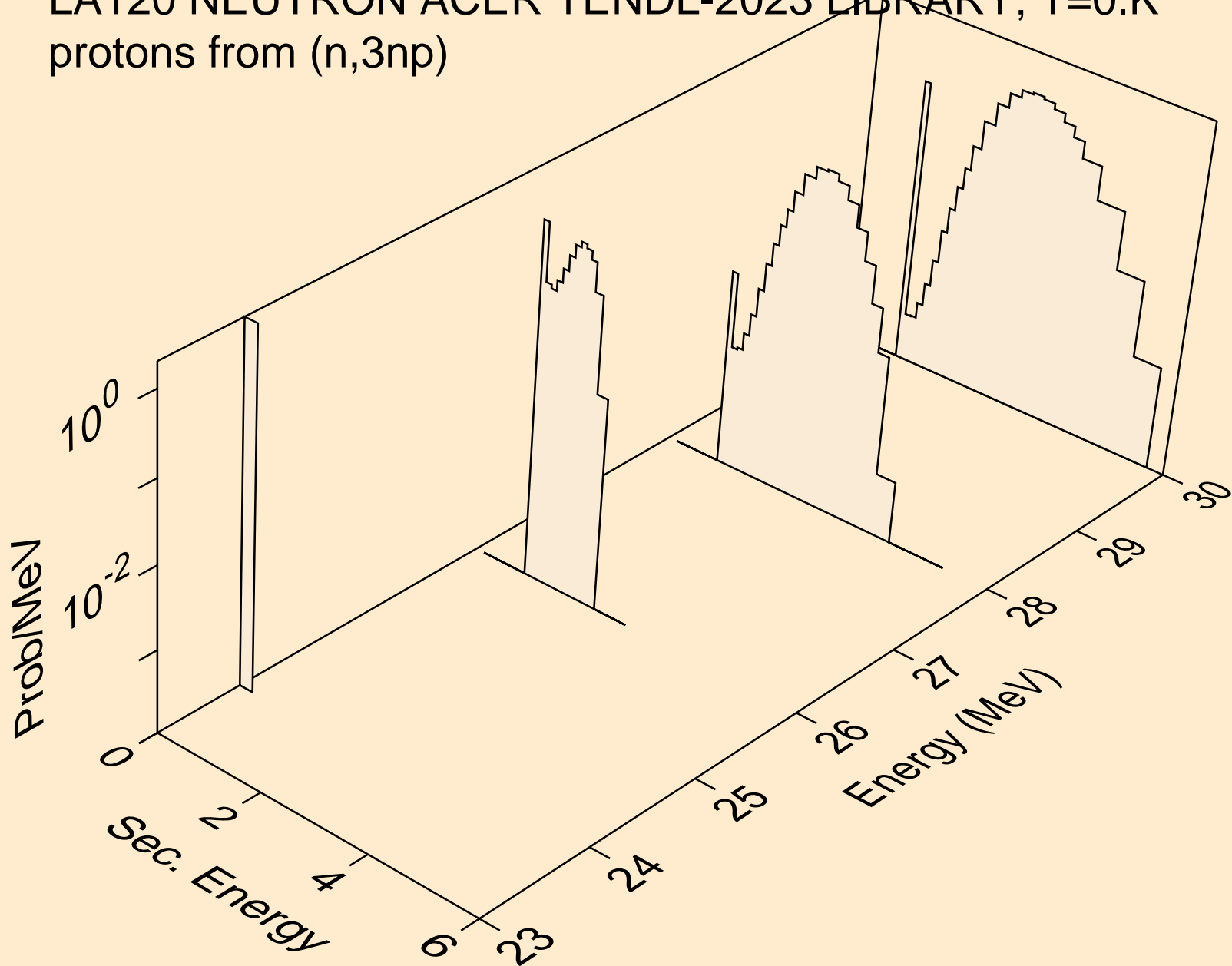
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protons from (n,n\*)p



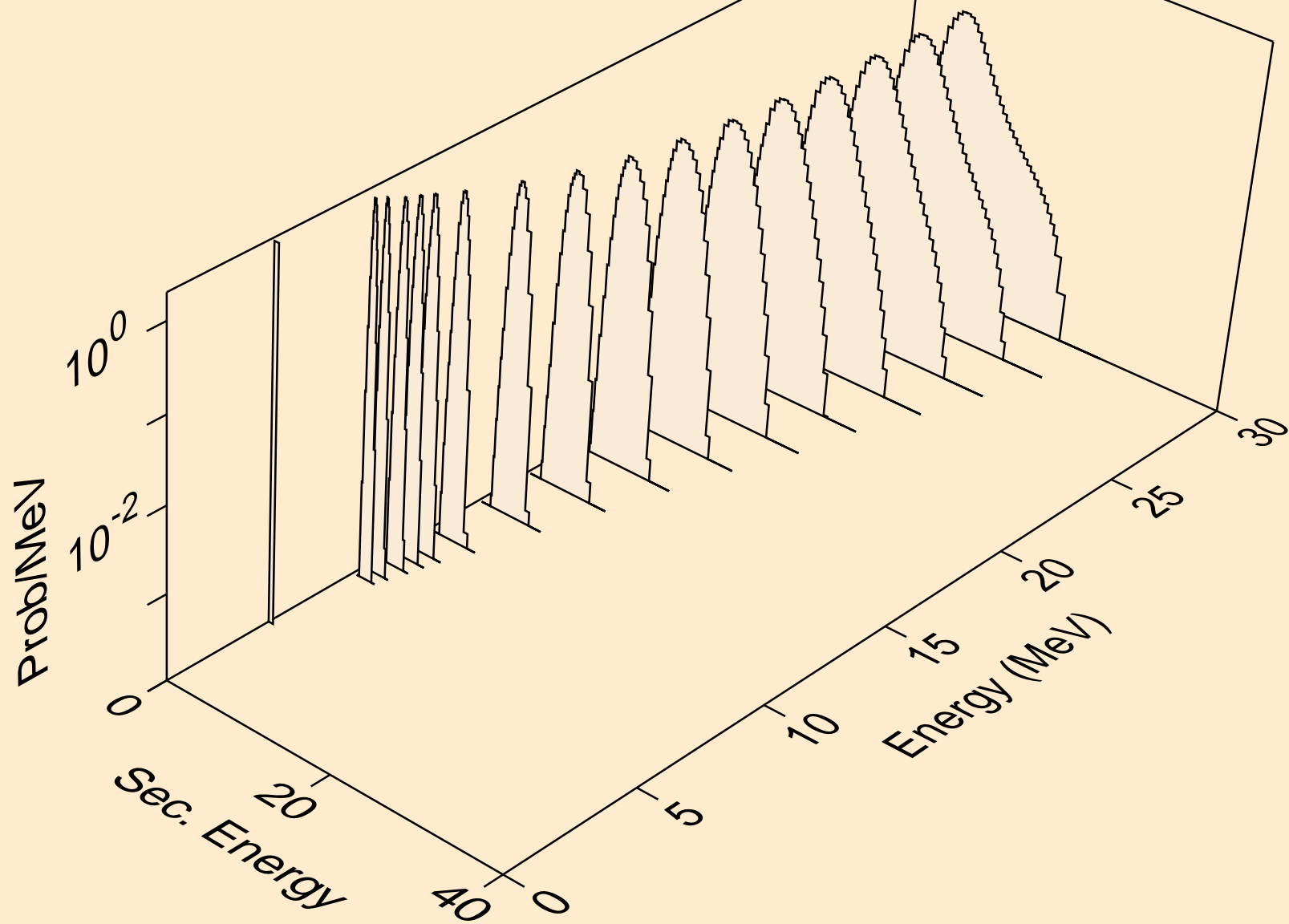
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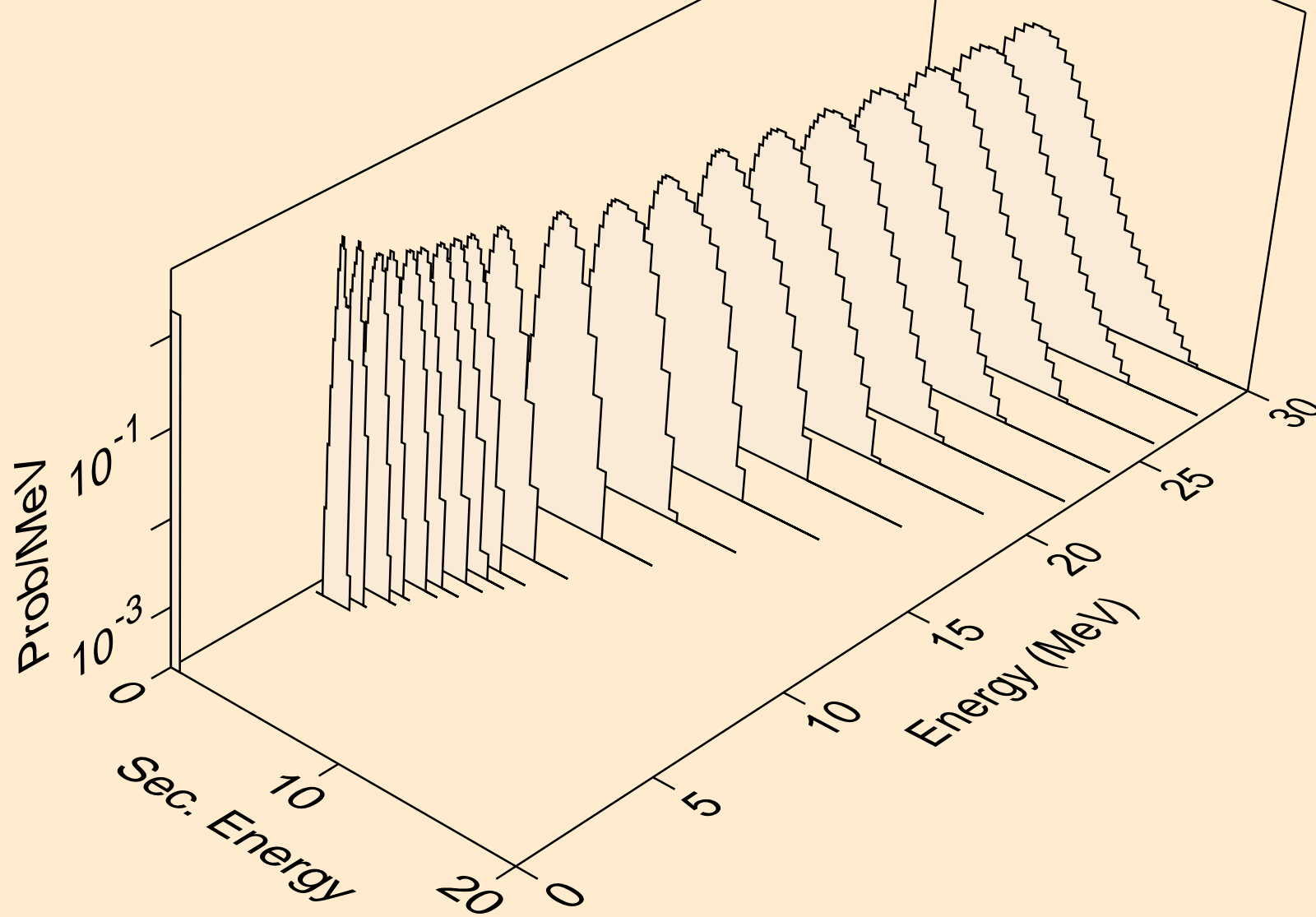
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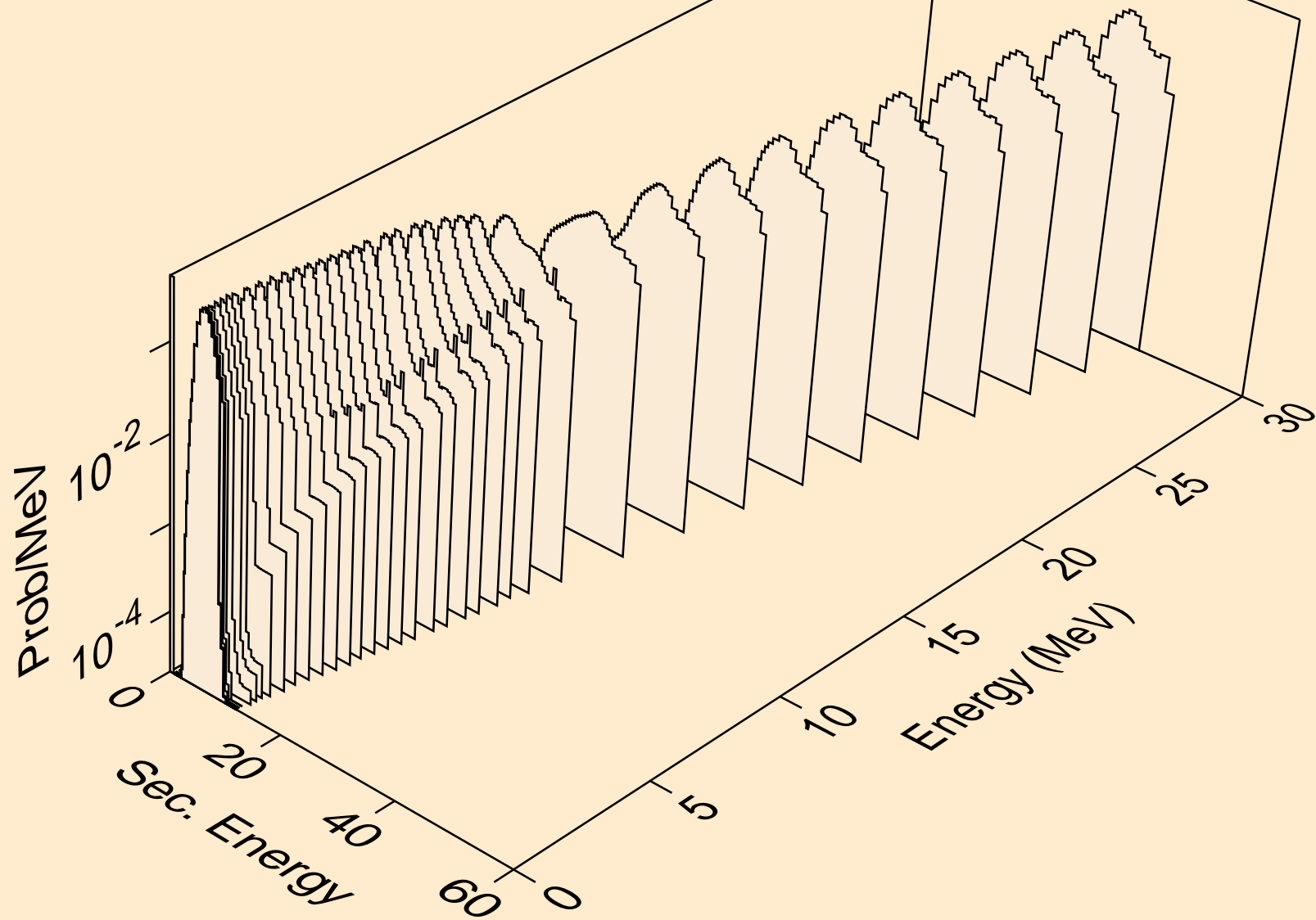
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LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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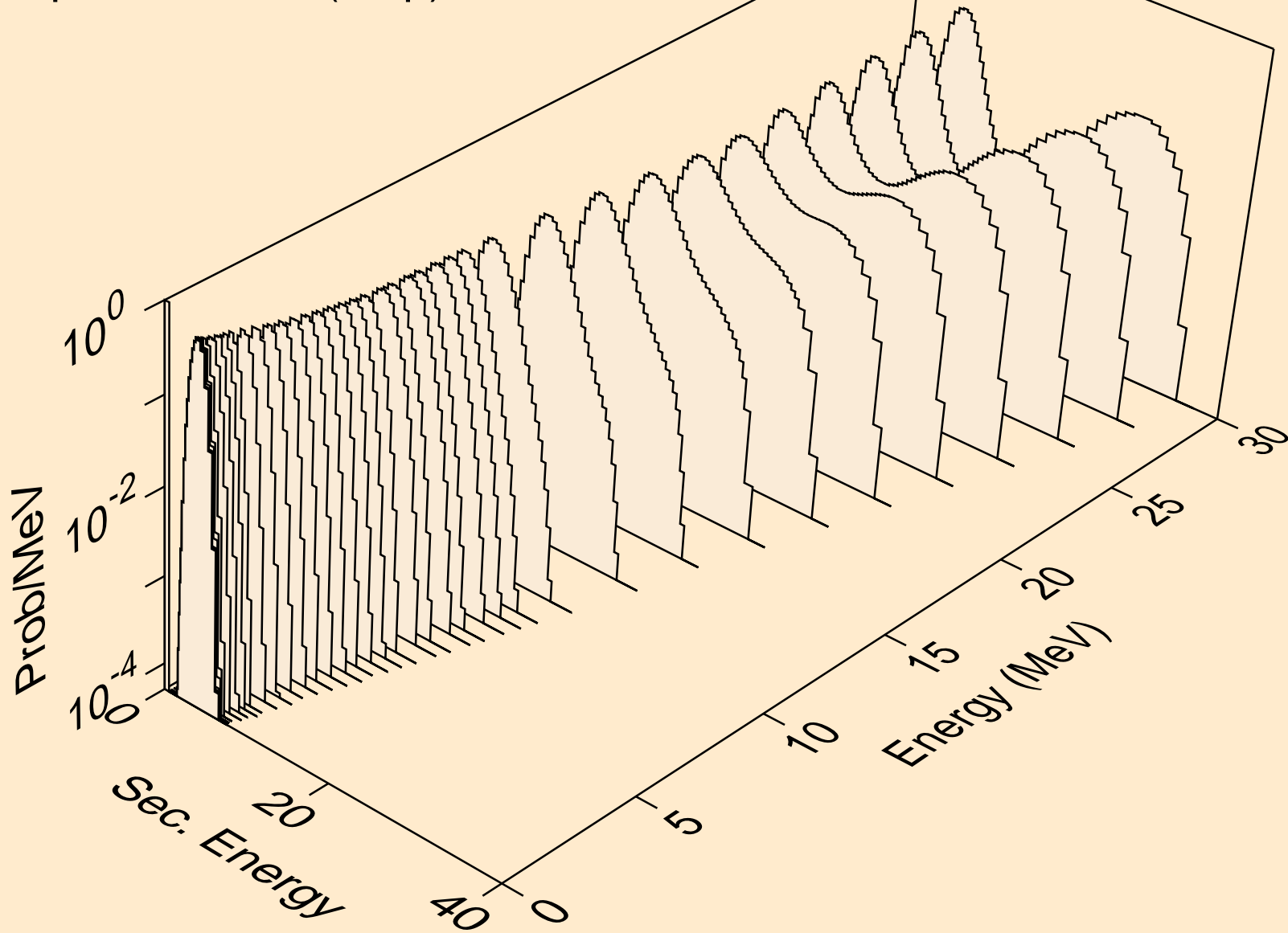


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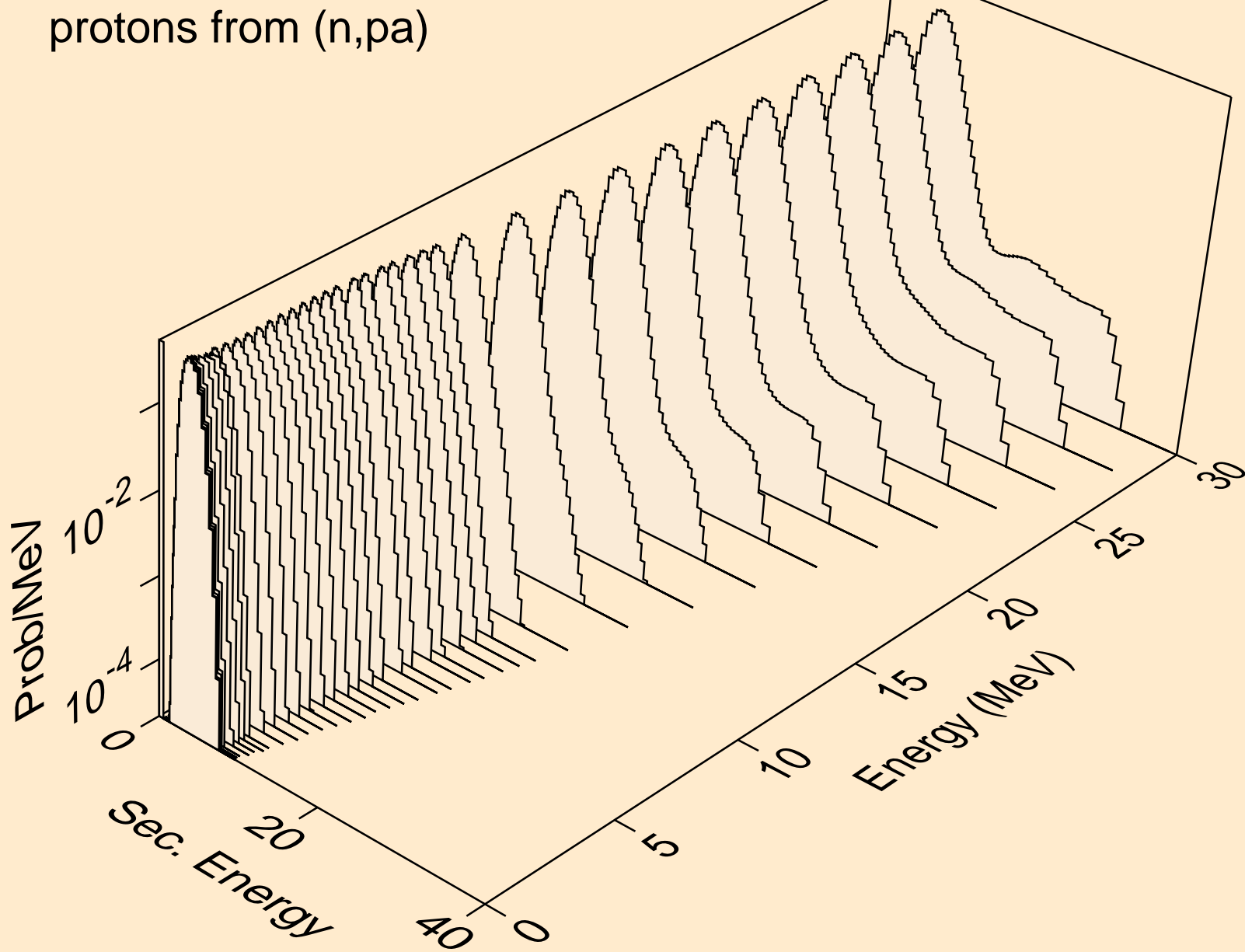




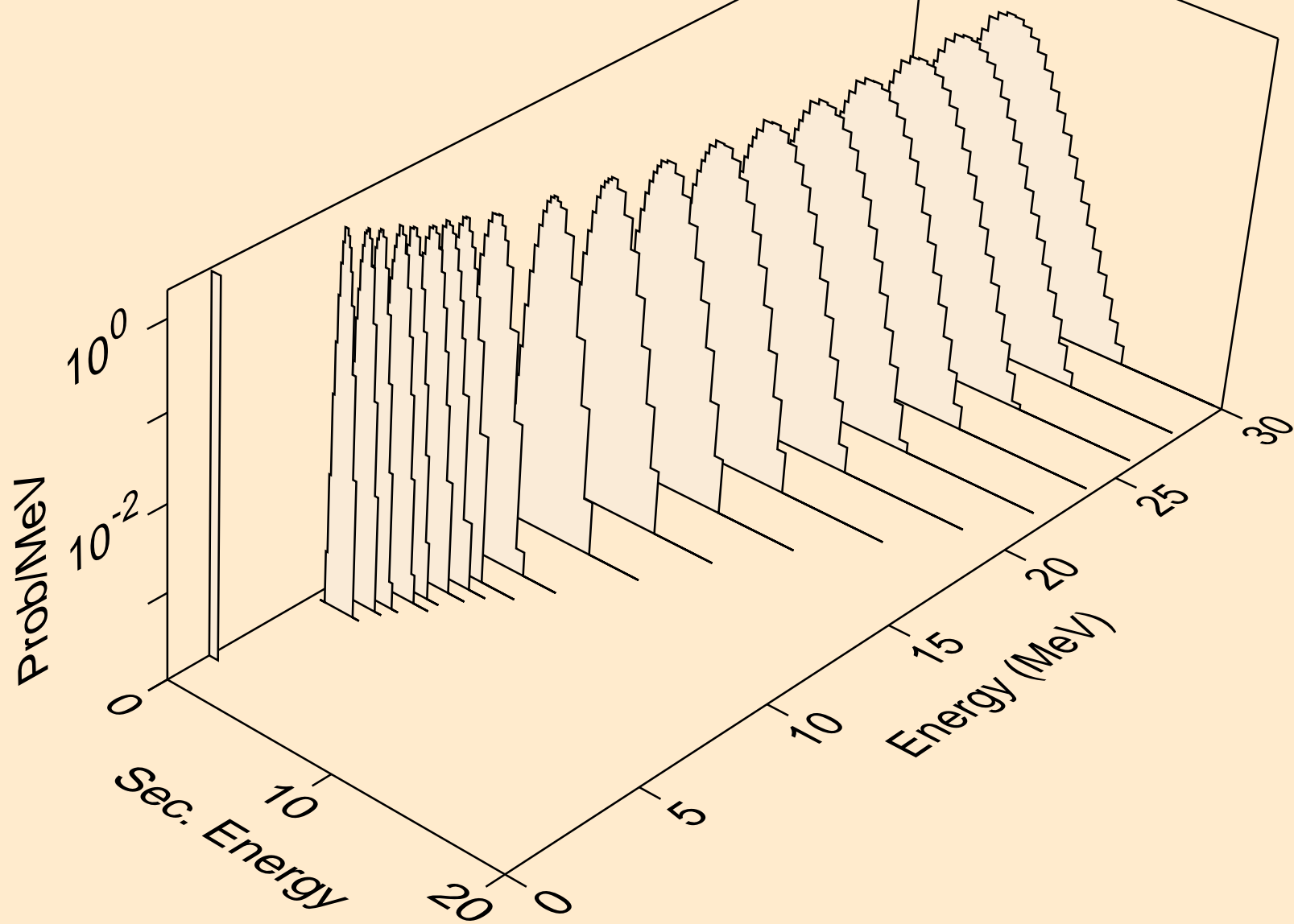
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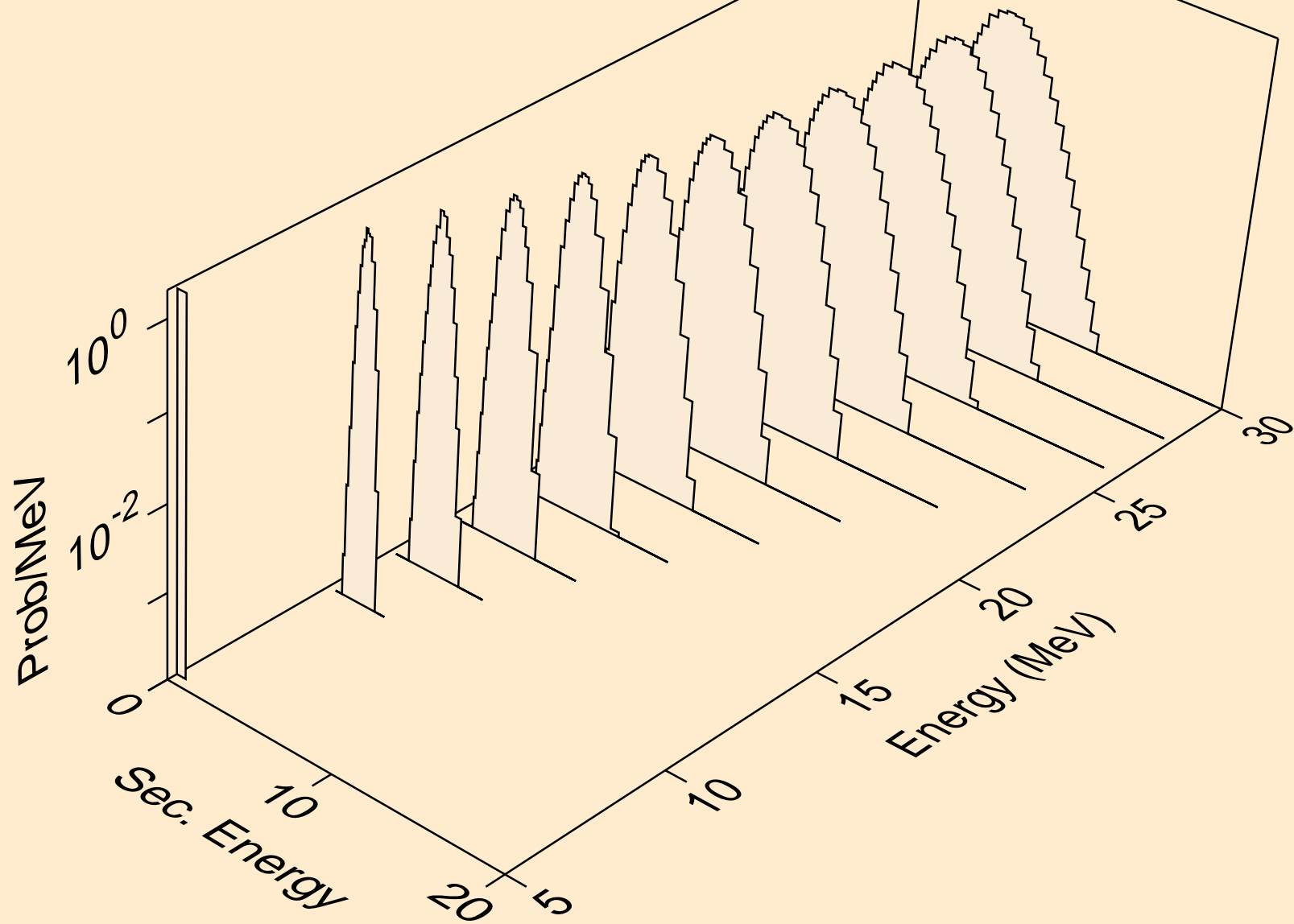
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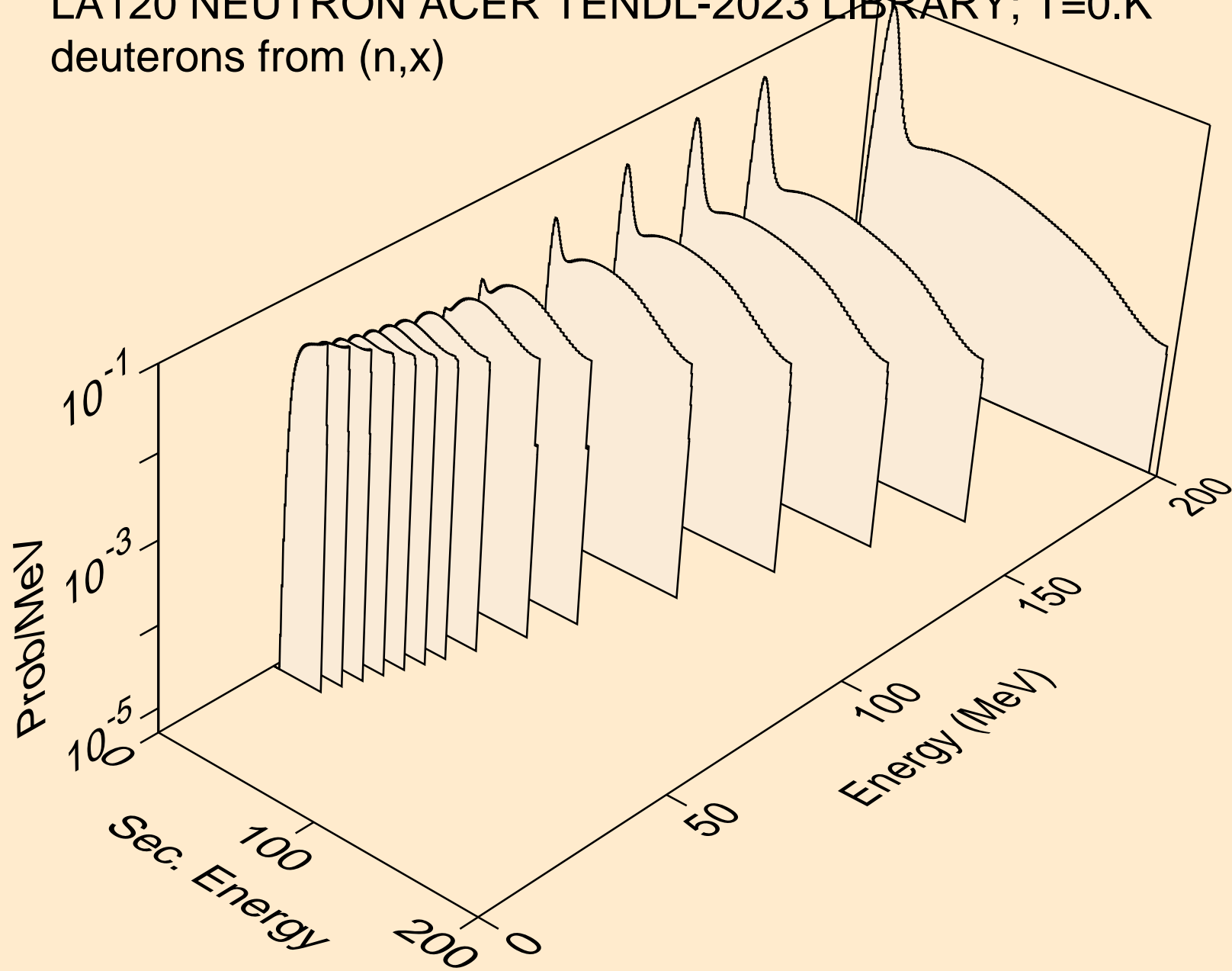
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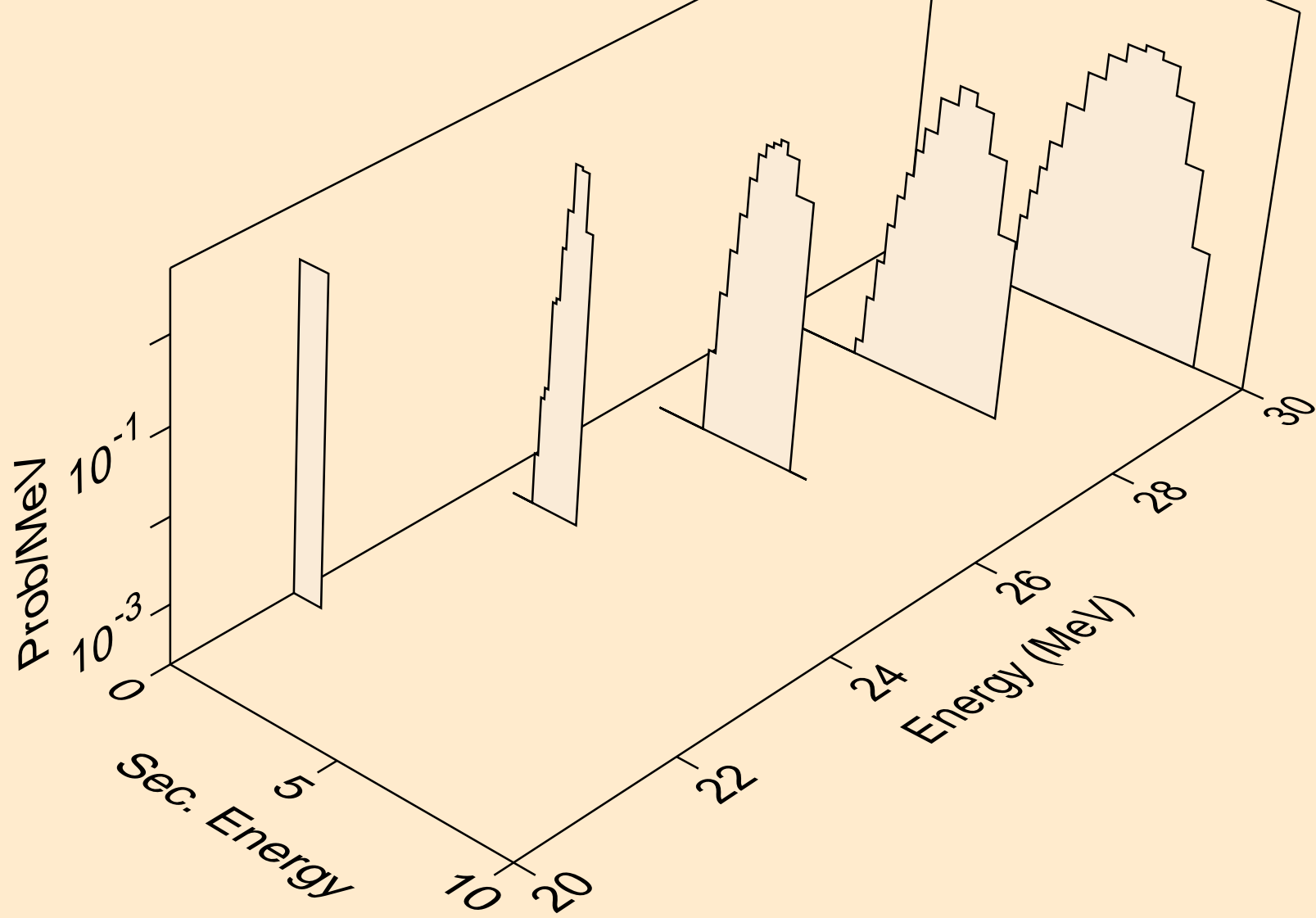
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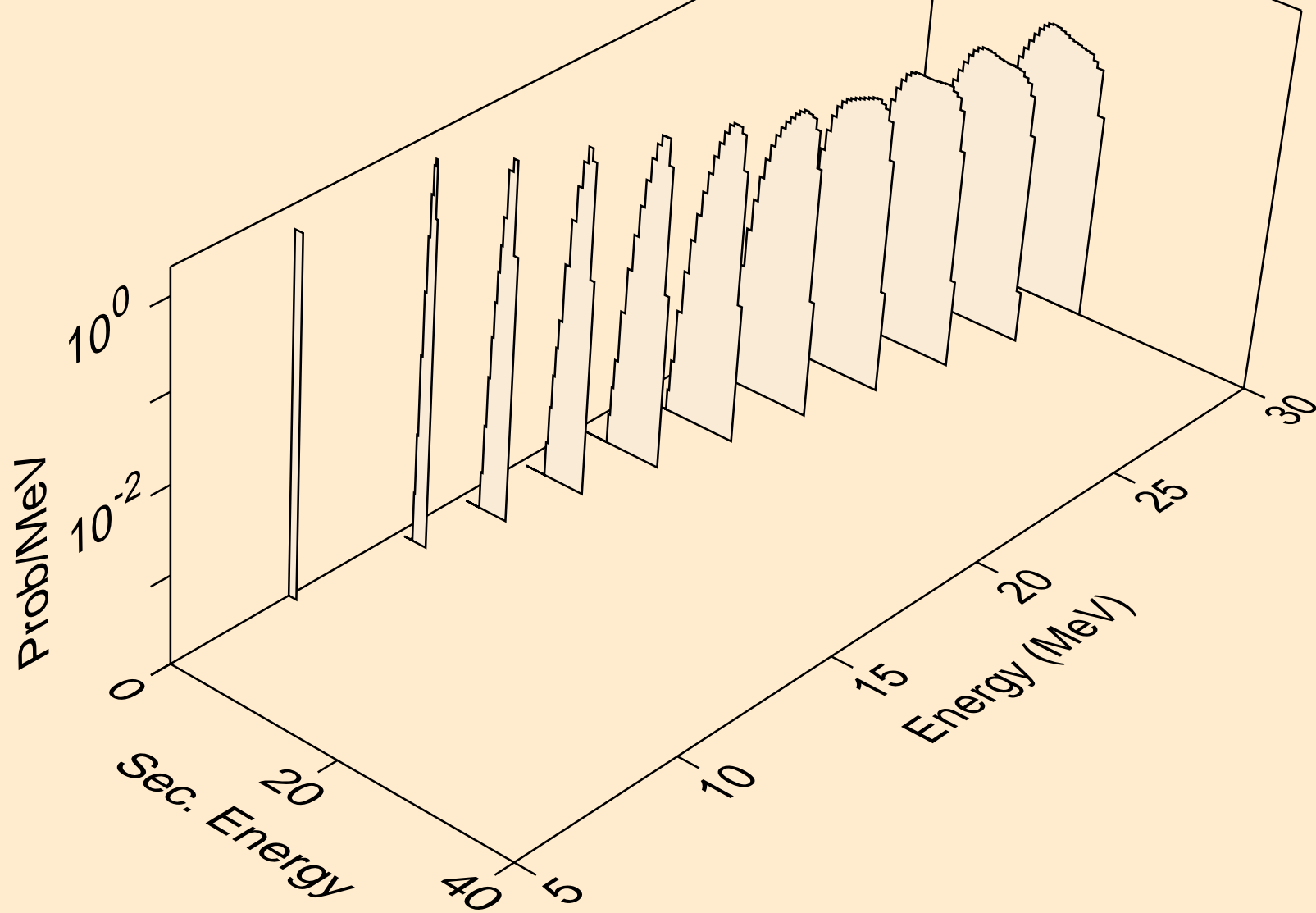
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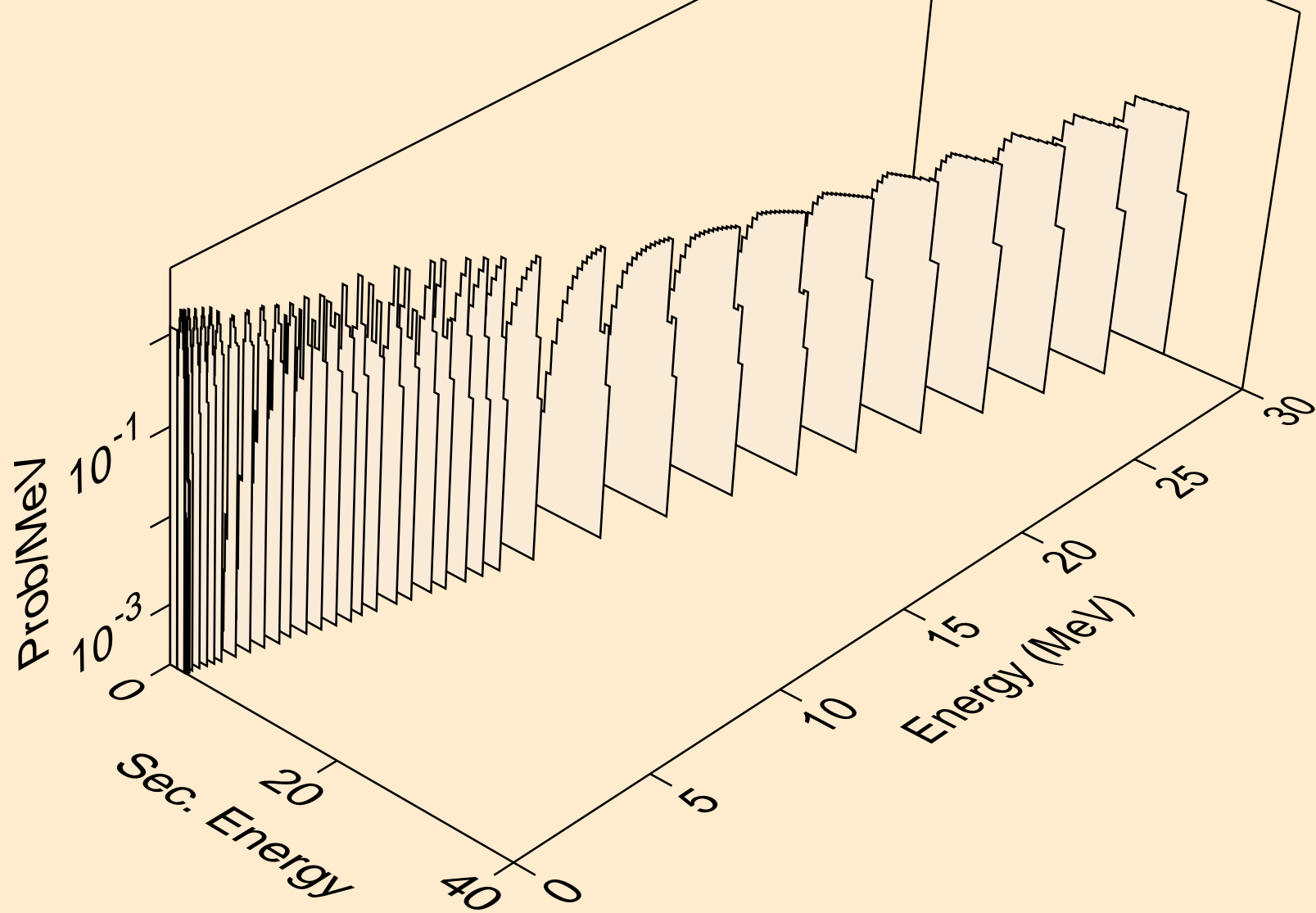
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deuterons from (n,2nd)



LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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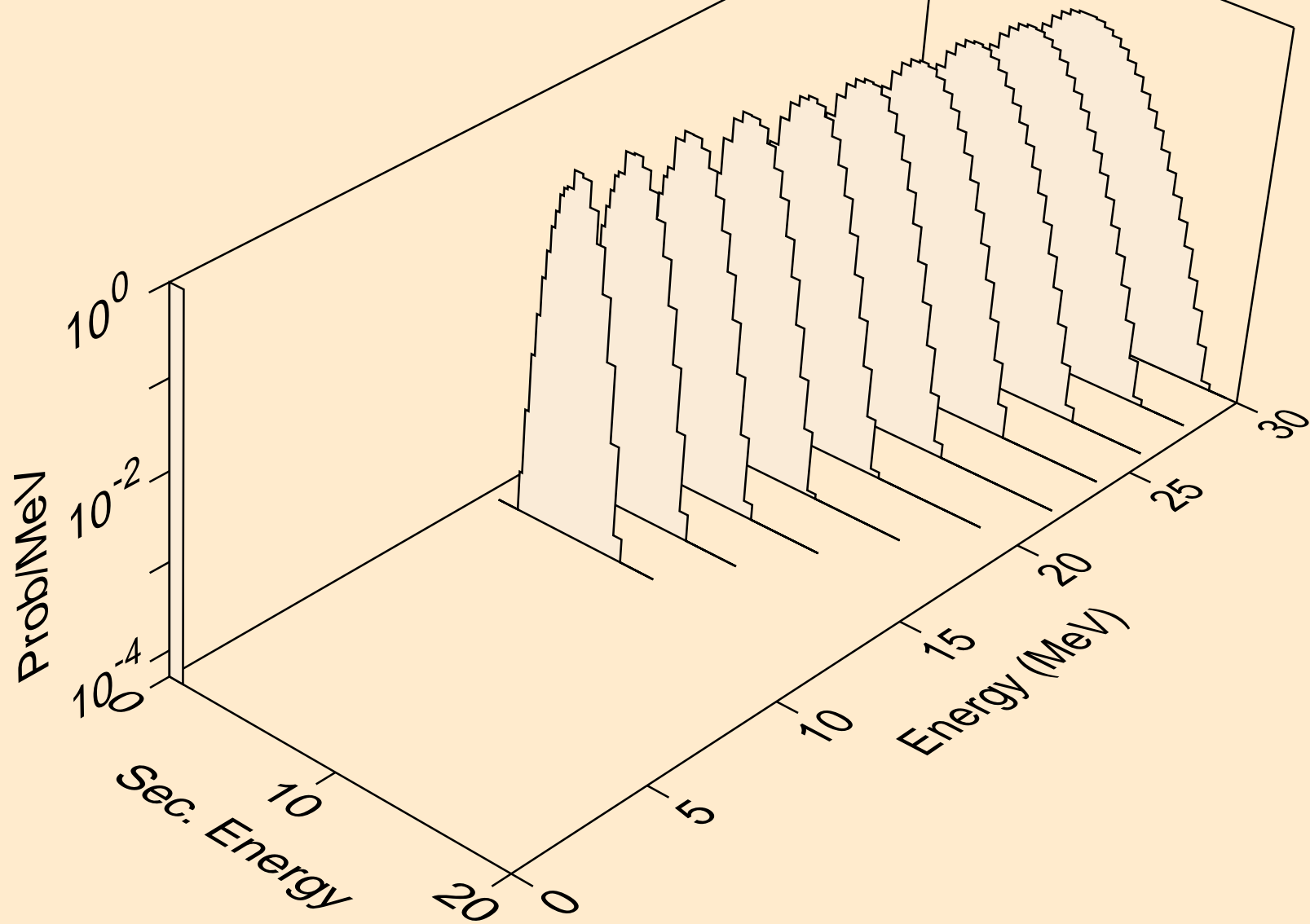


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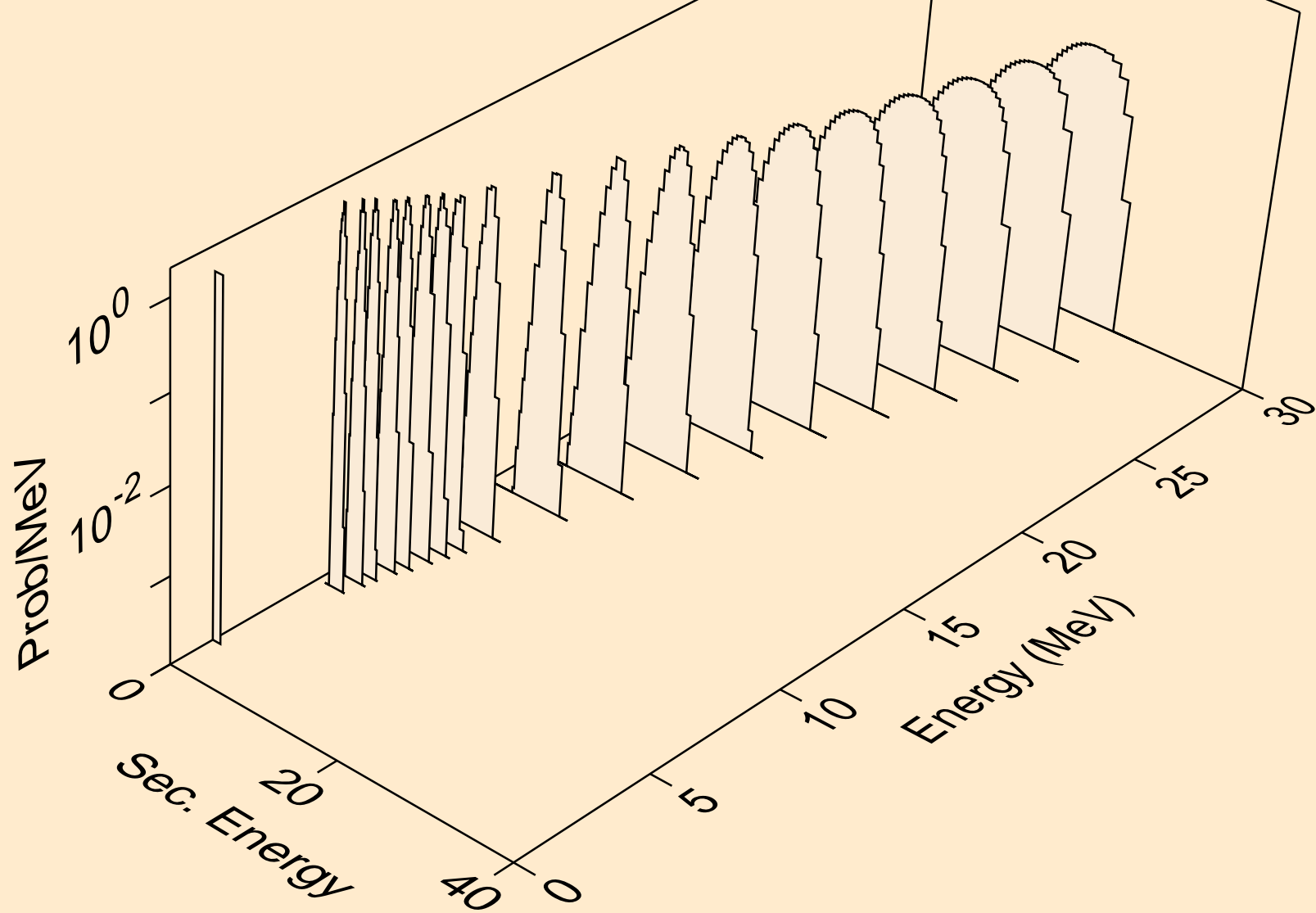




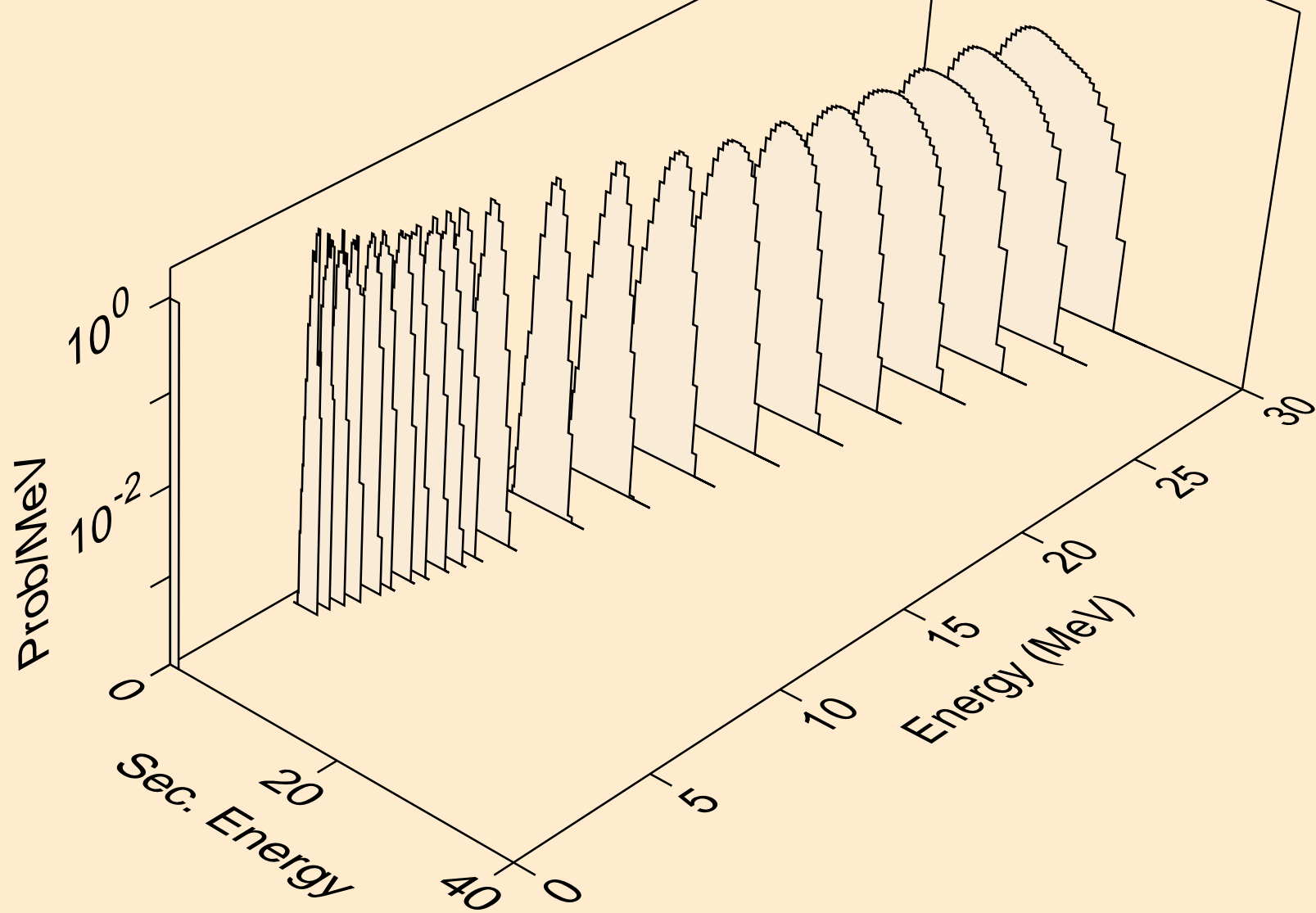
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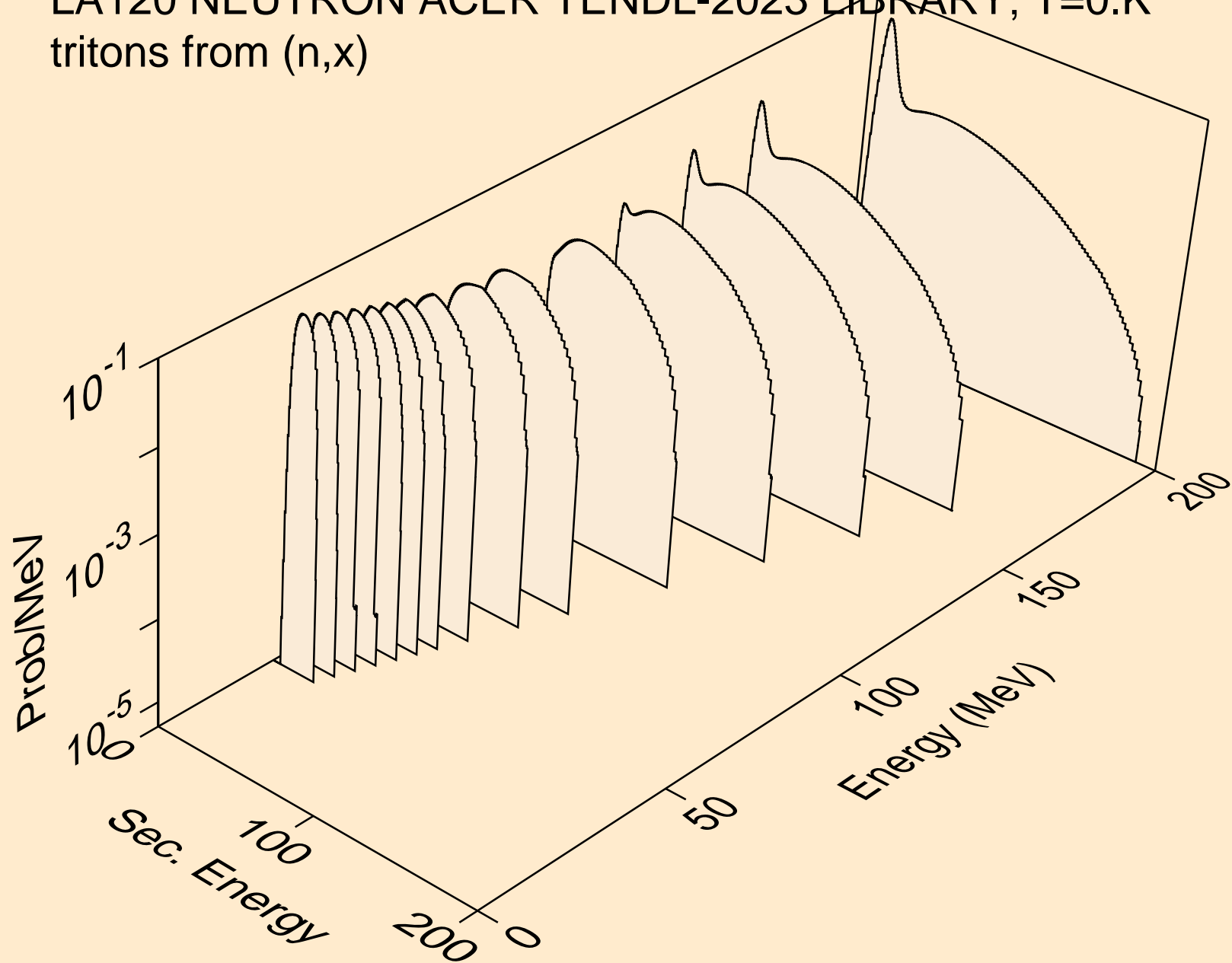
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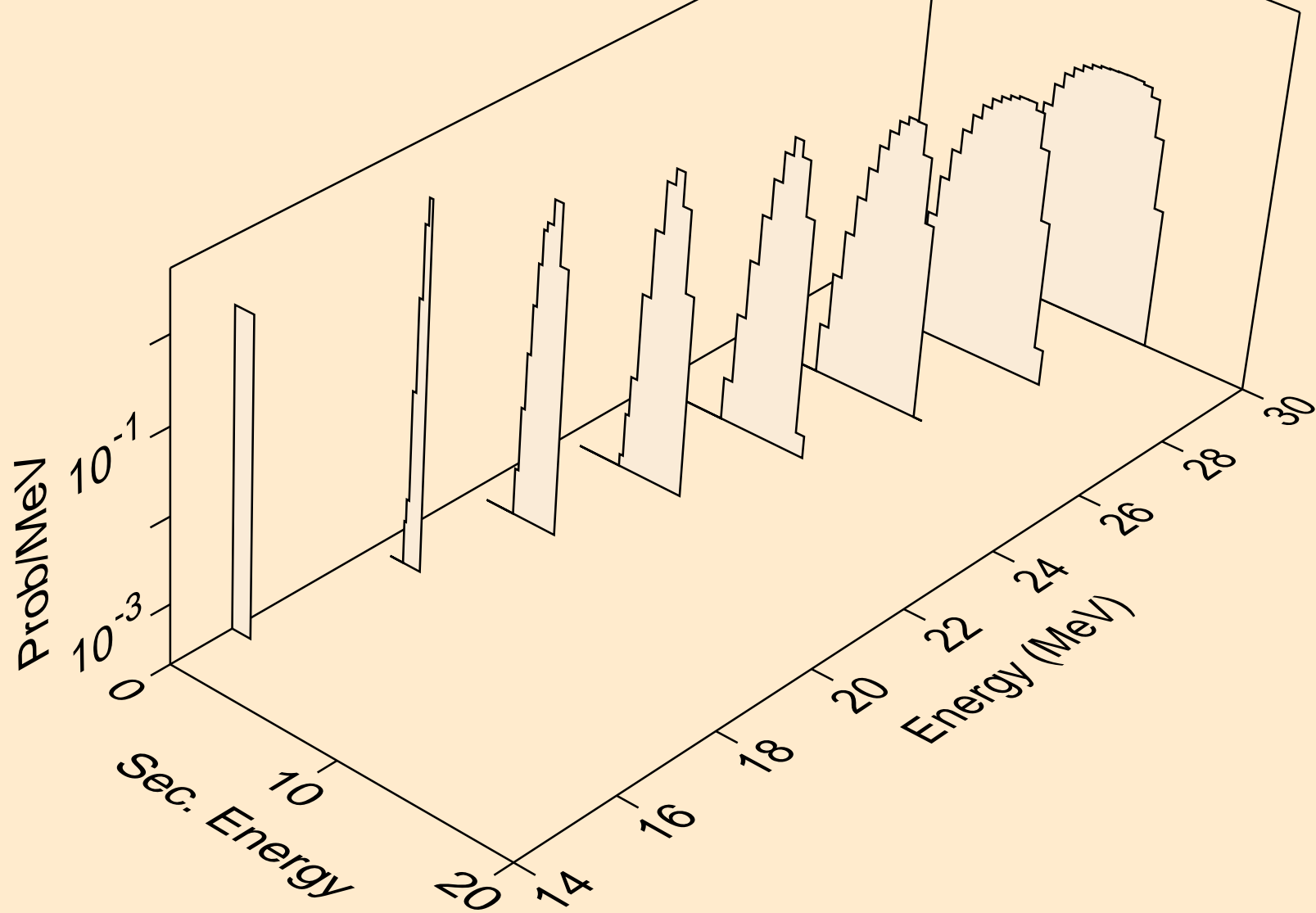
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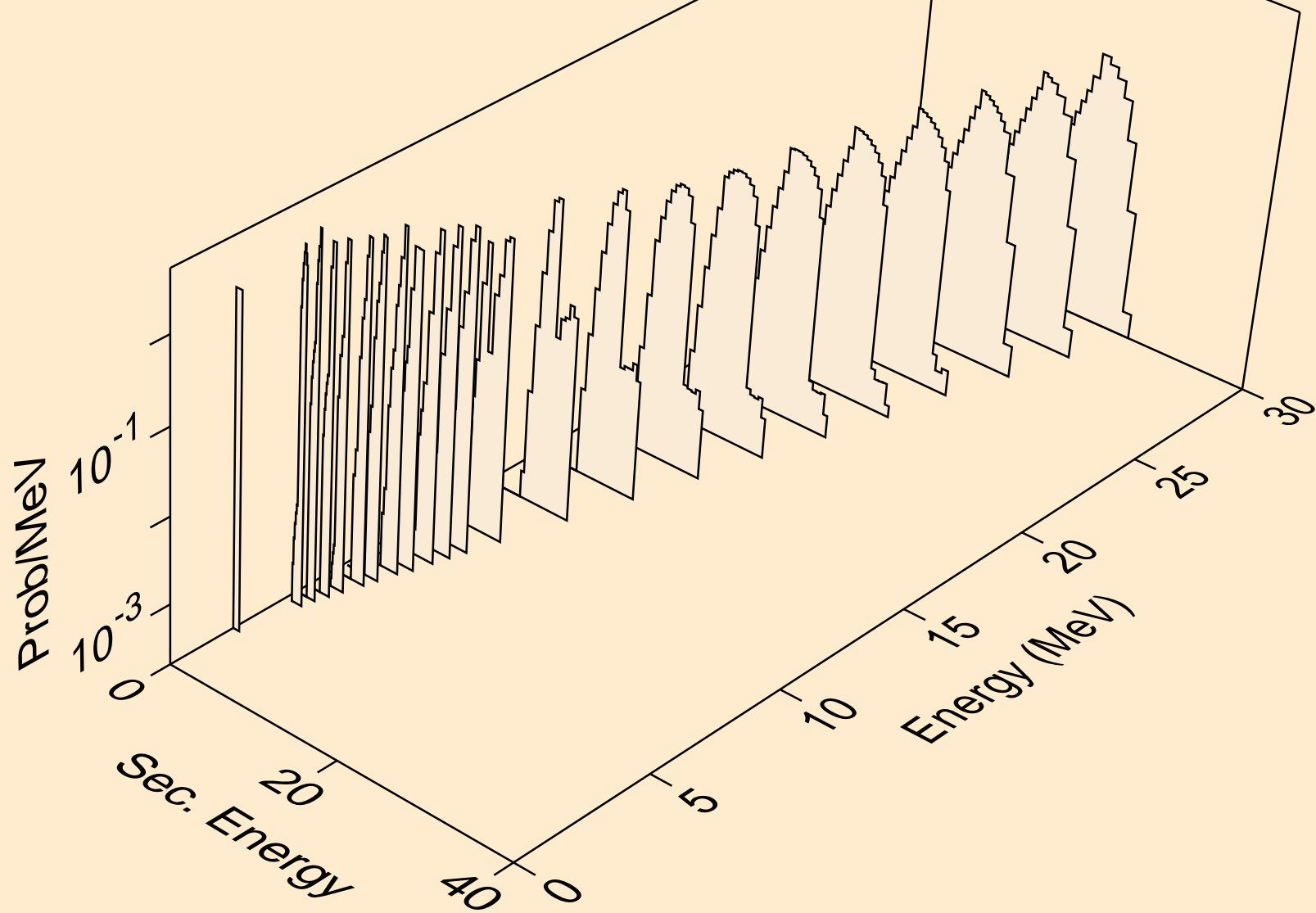
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tritons from (n,x)



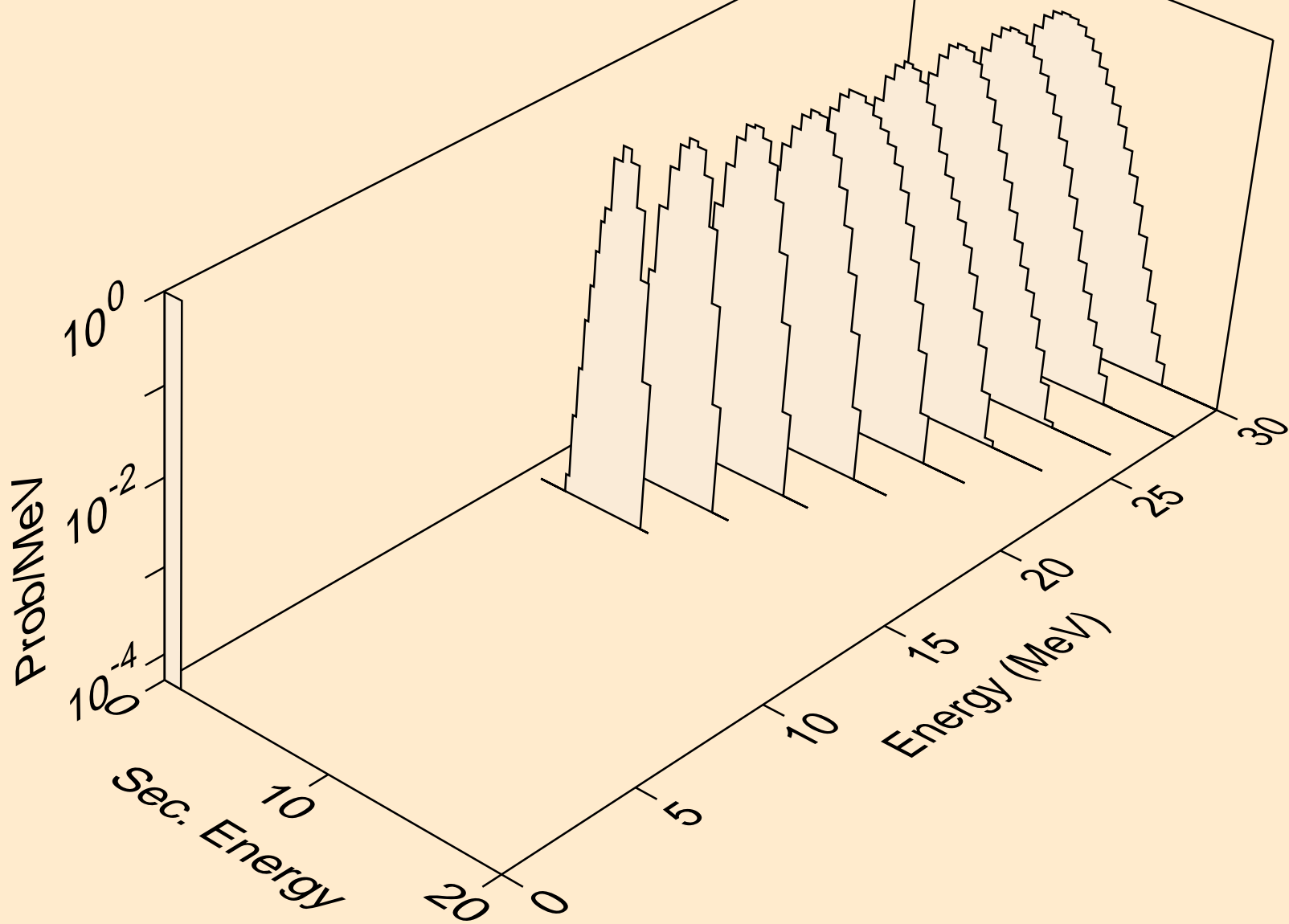
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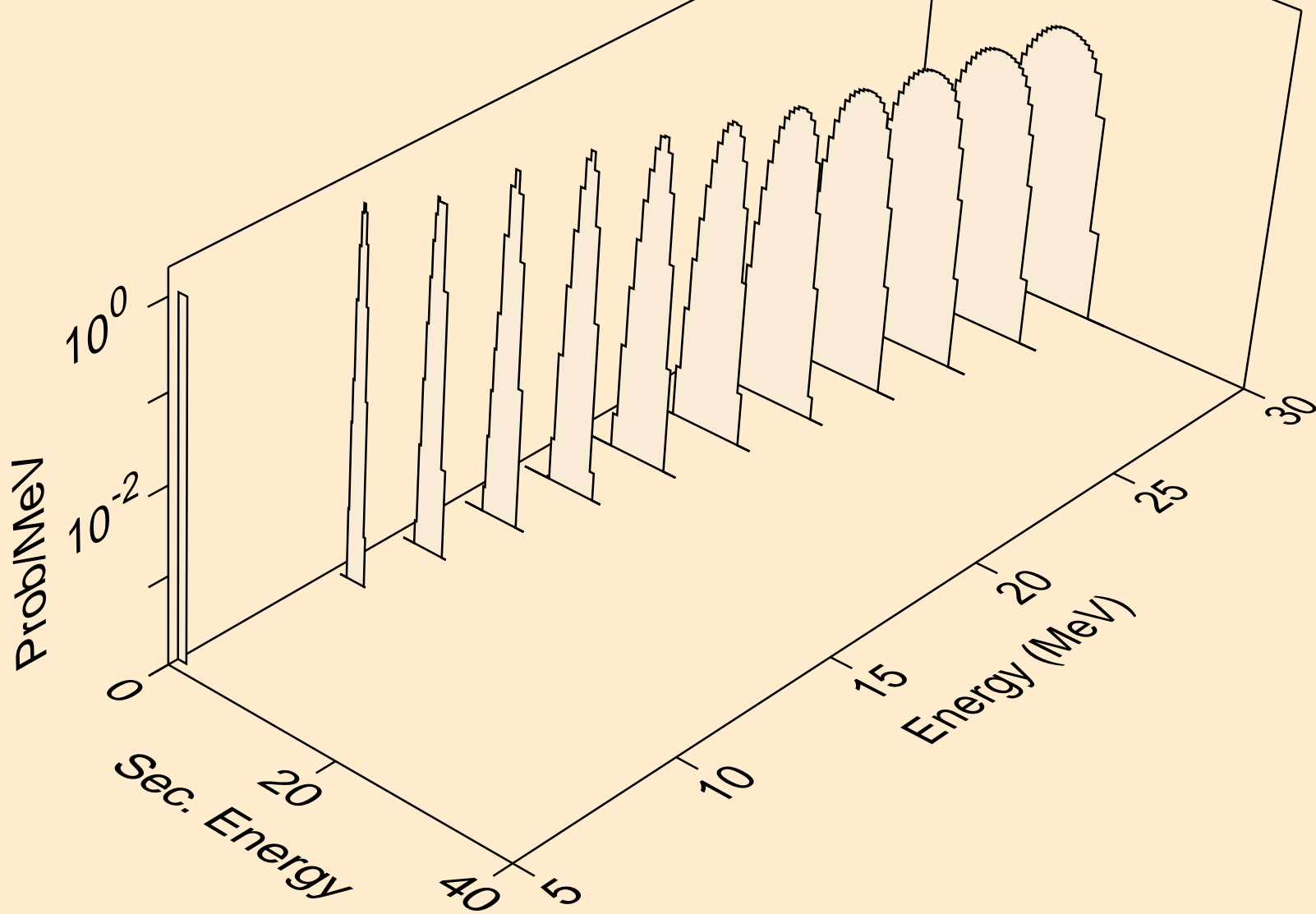
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tritons from (n,t)



LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t2a)

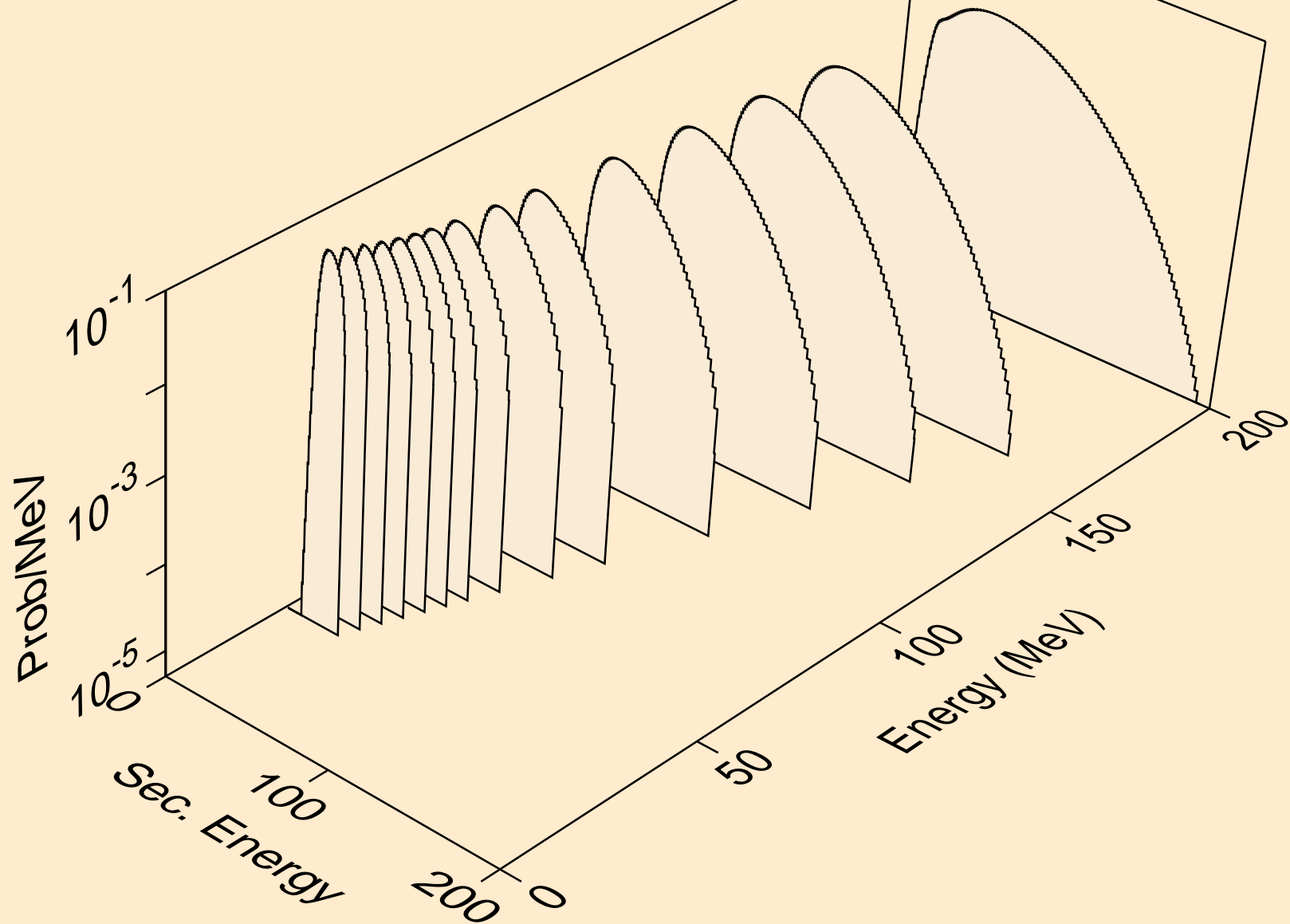


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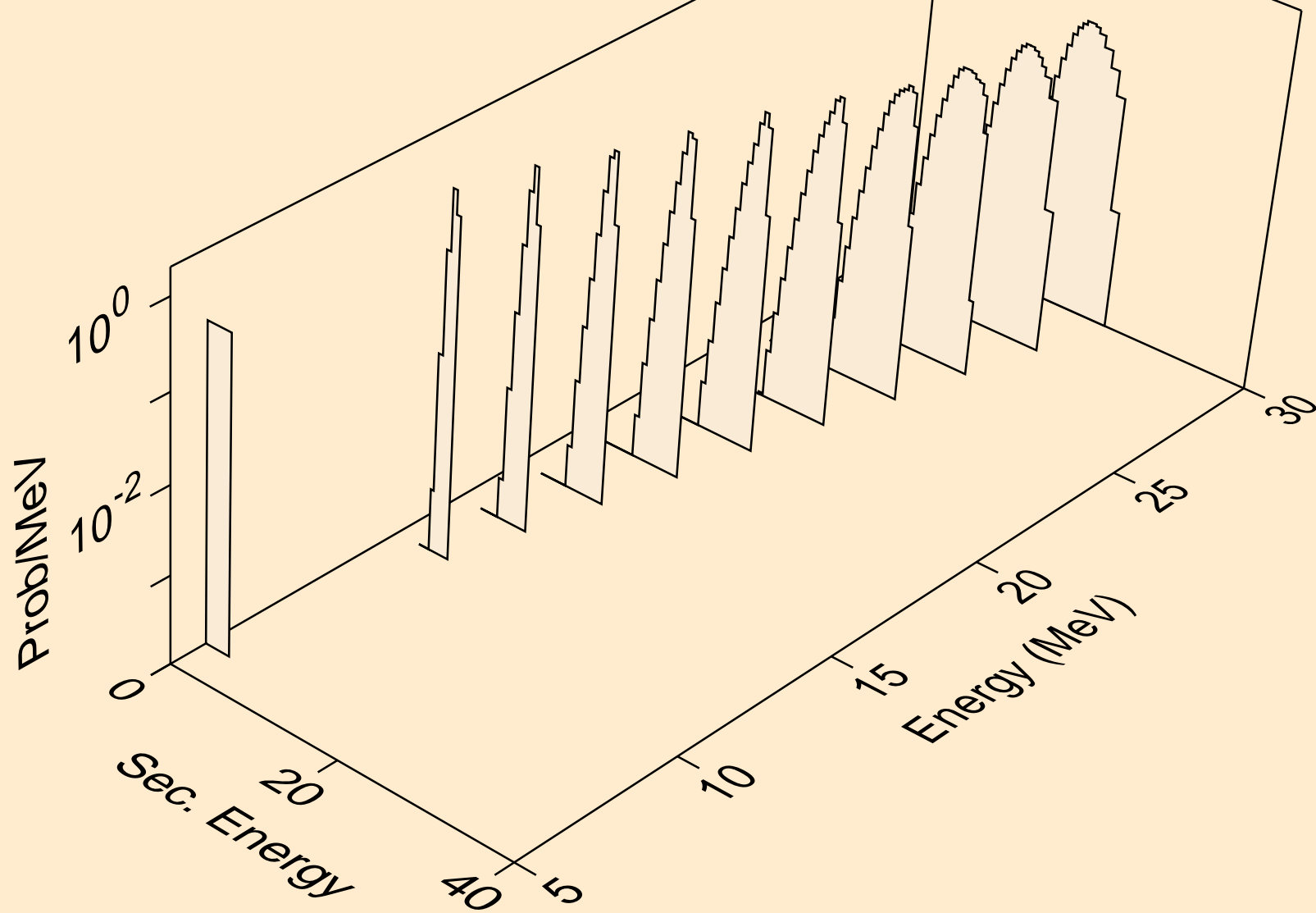




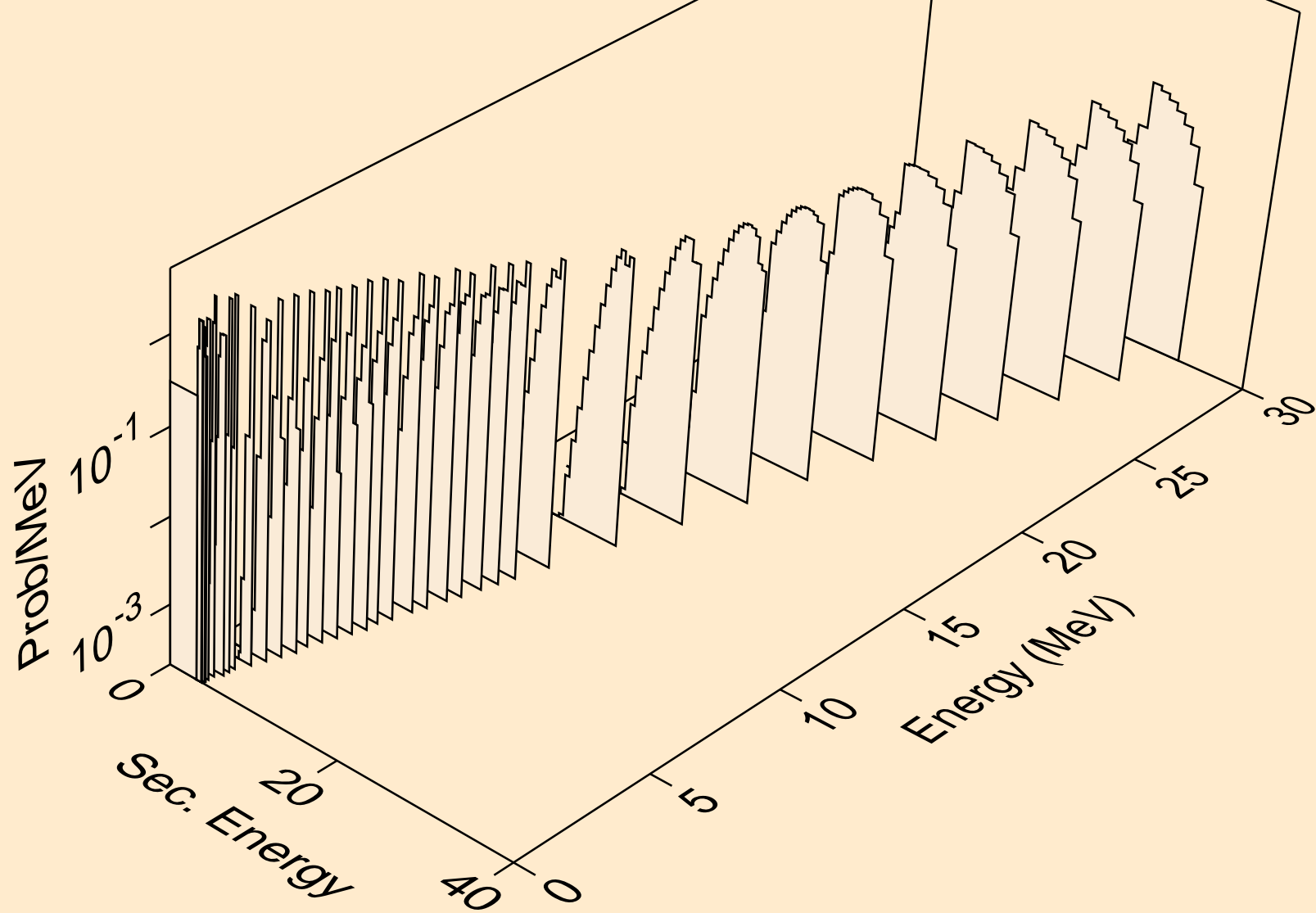
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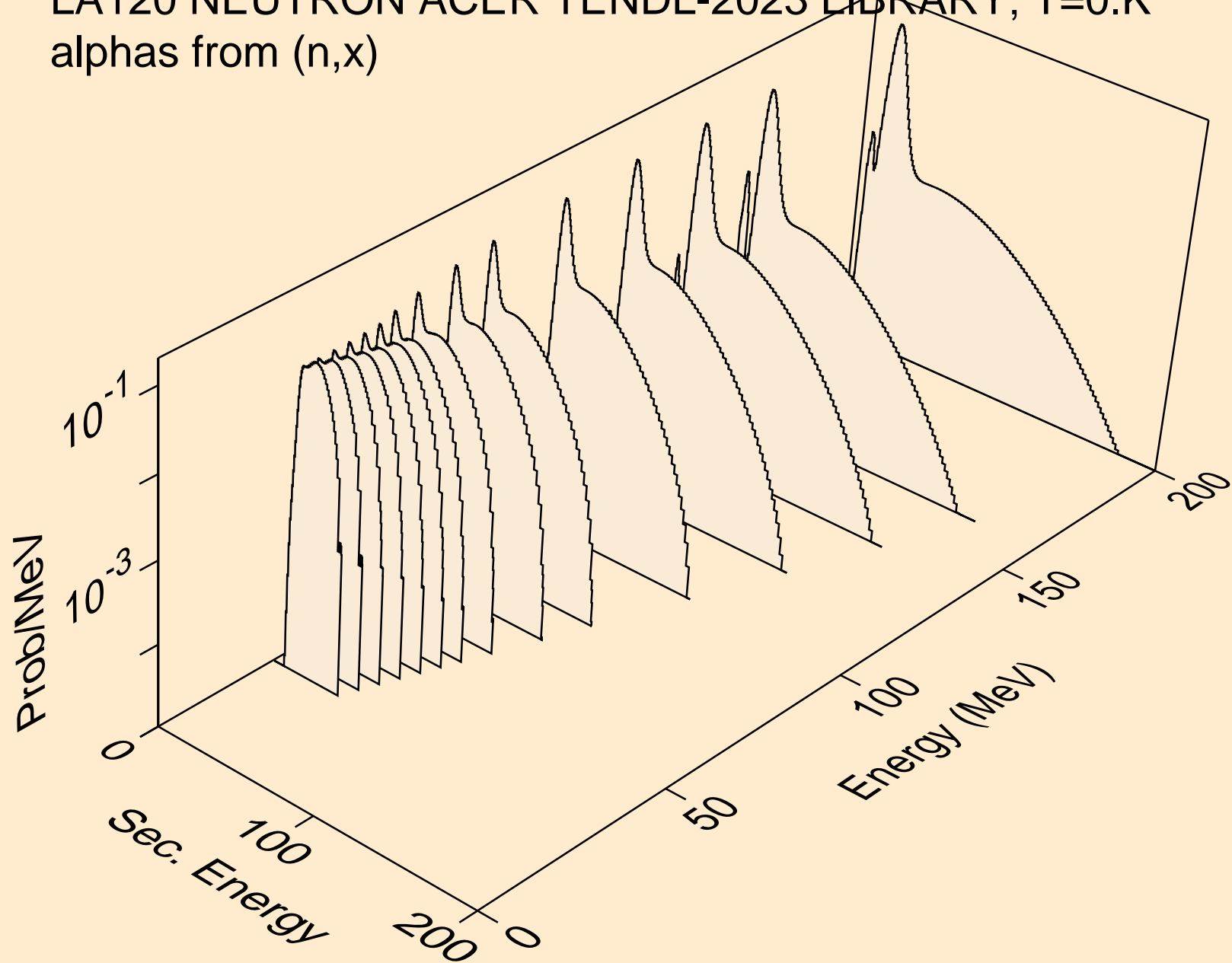
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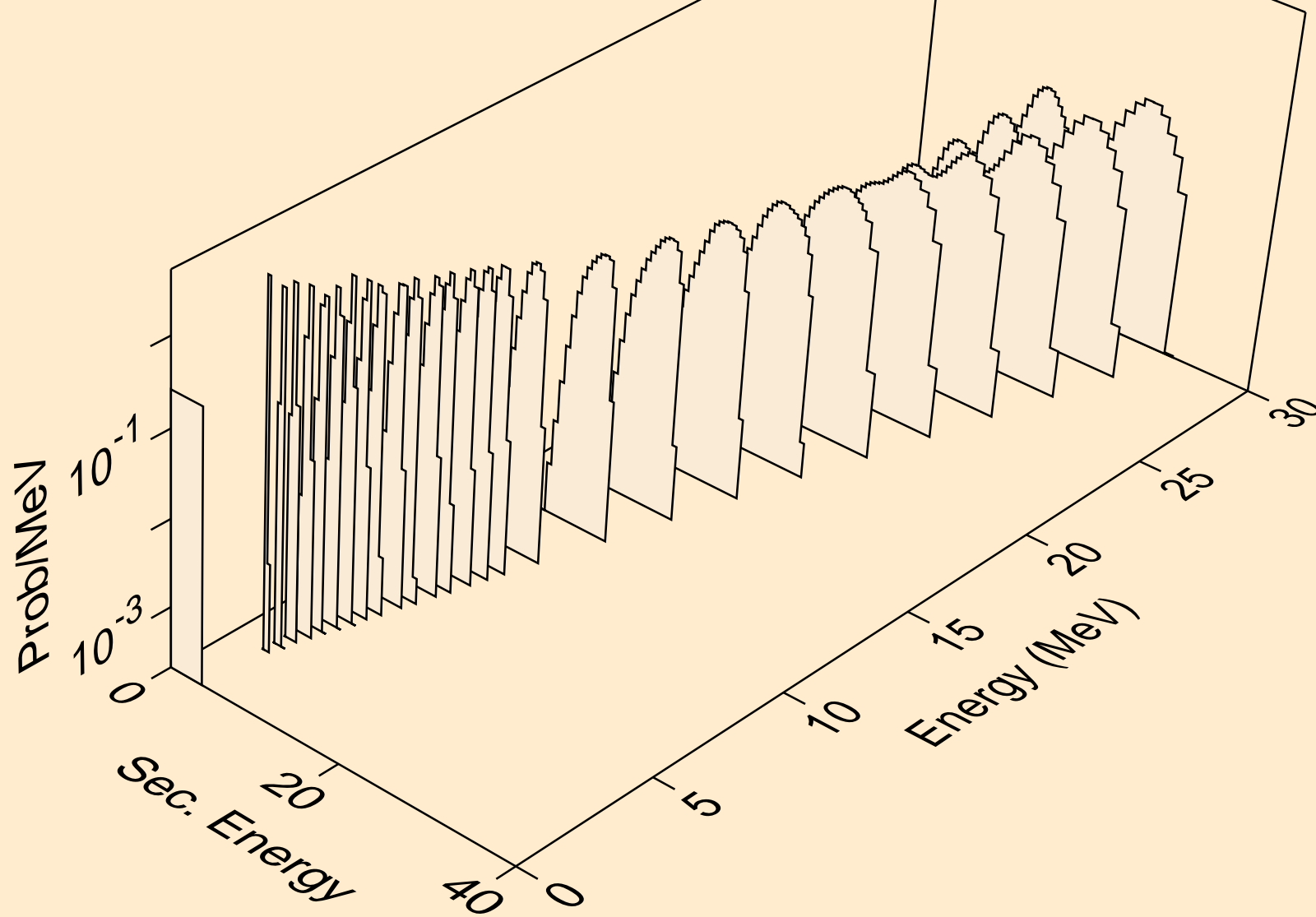
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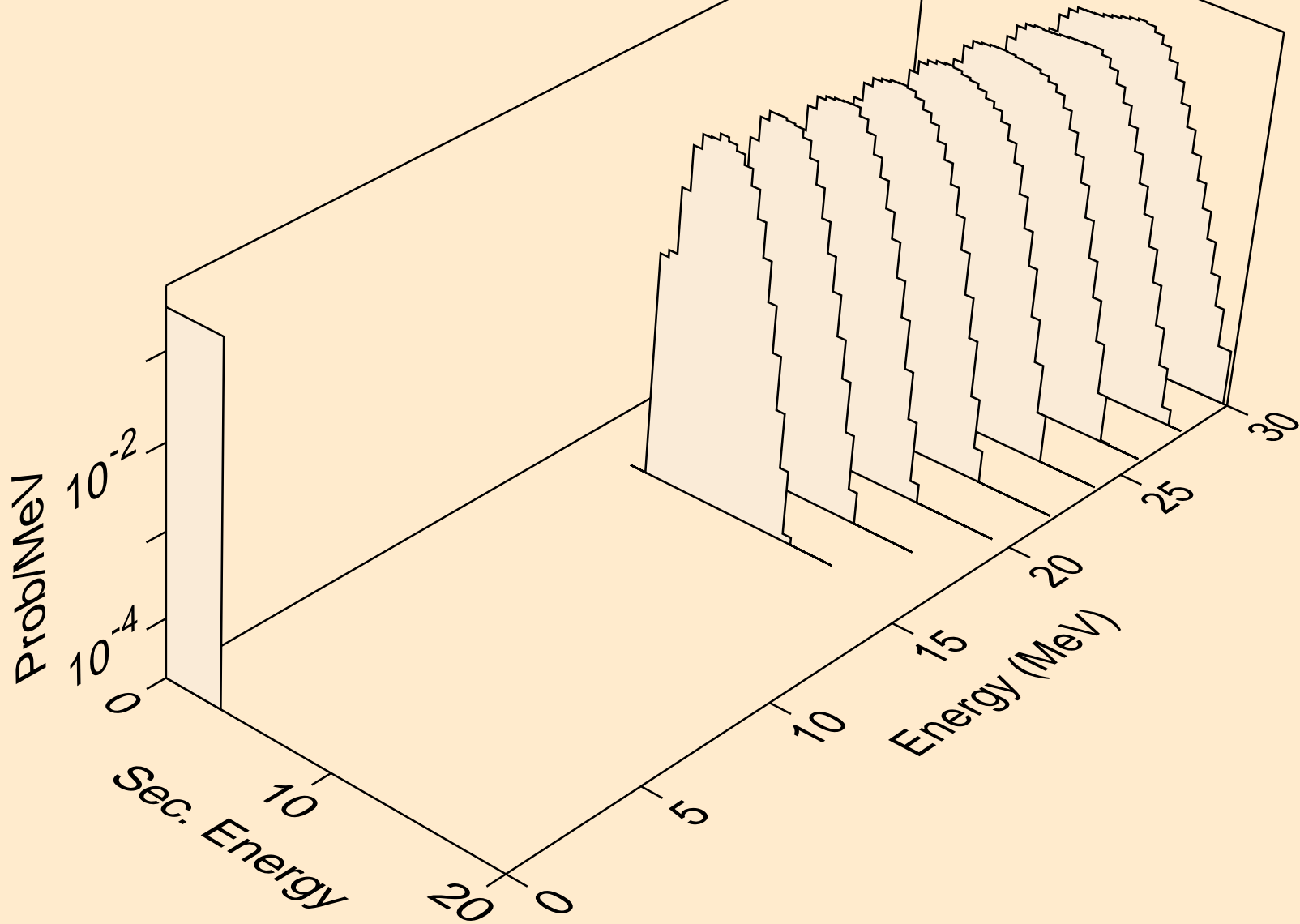
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alphas from (n,x)



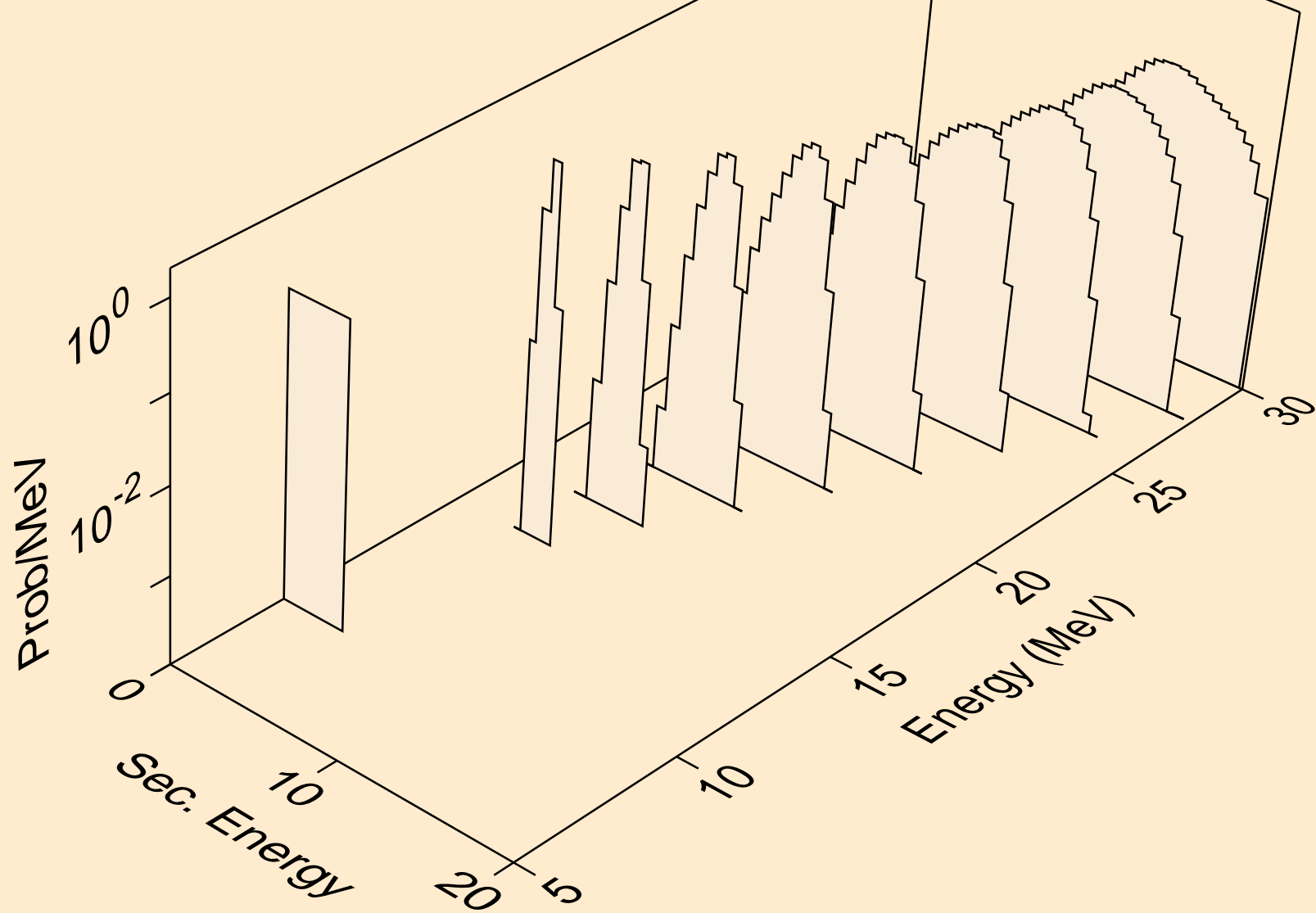
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alphas from (n,n\*)a



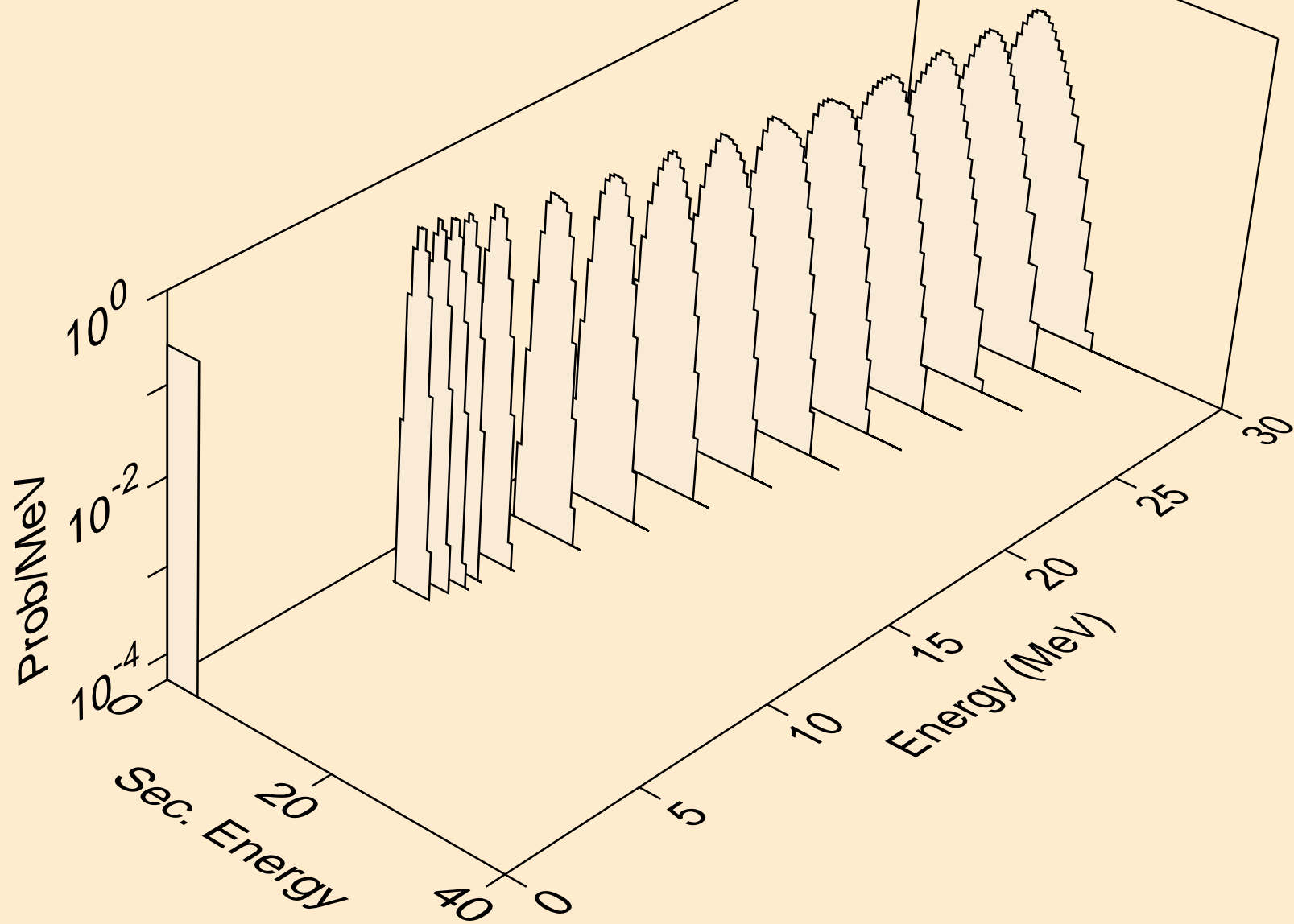
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alphas from (n,n\*)3a



LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a

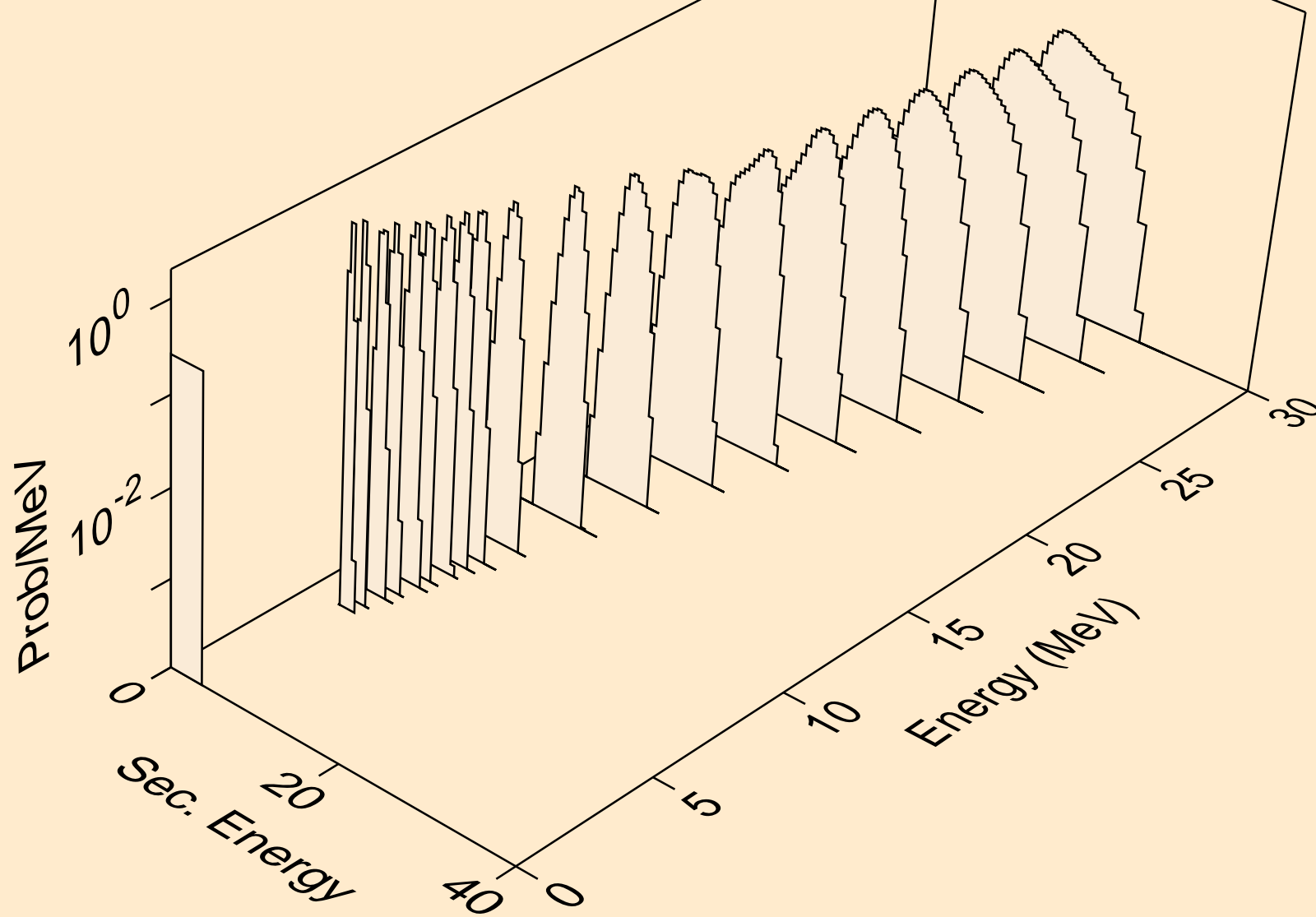


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alphas from (n,n\*)2a

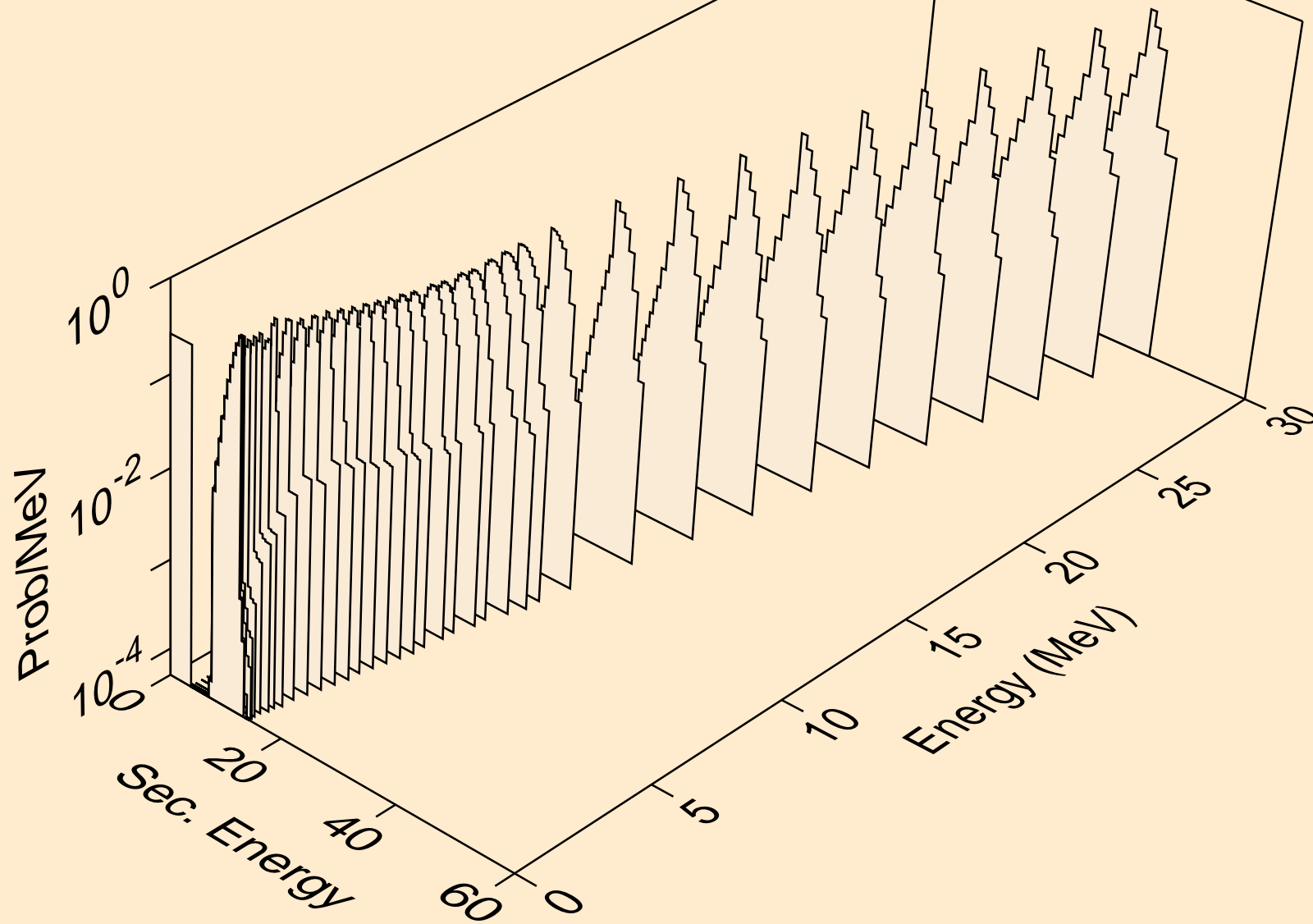




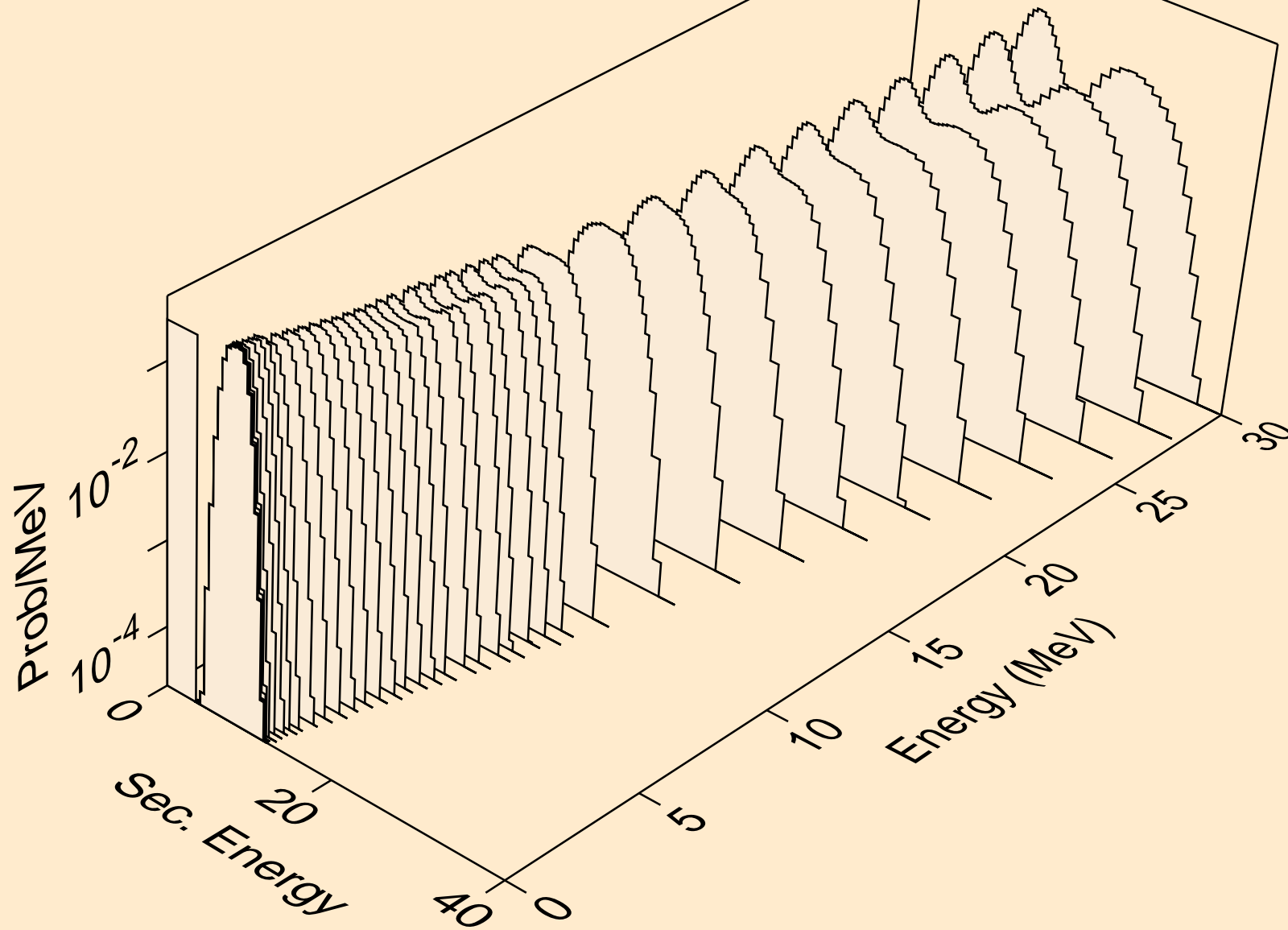
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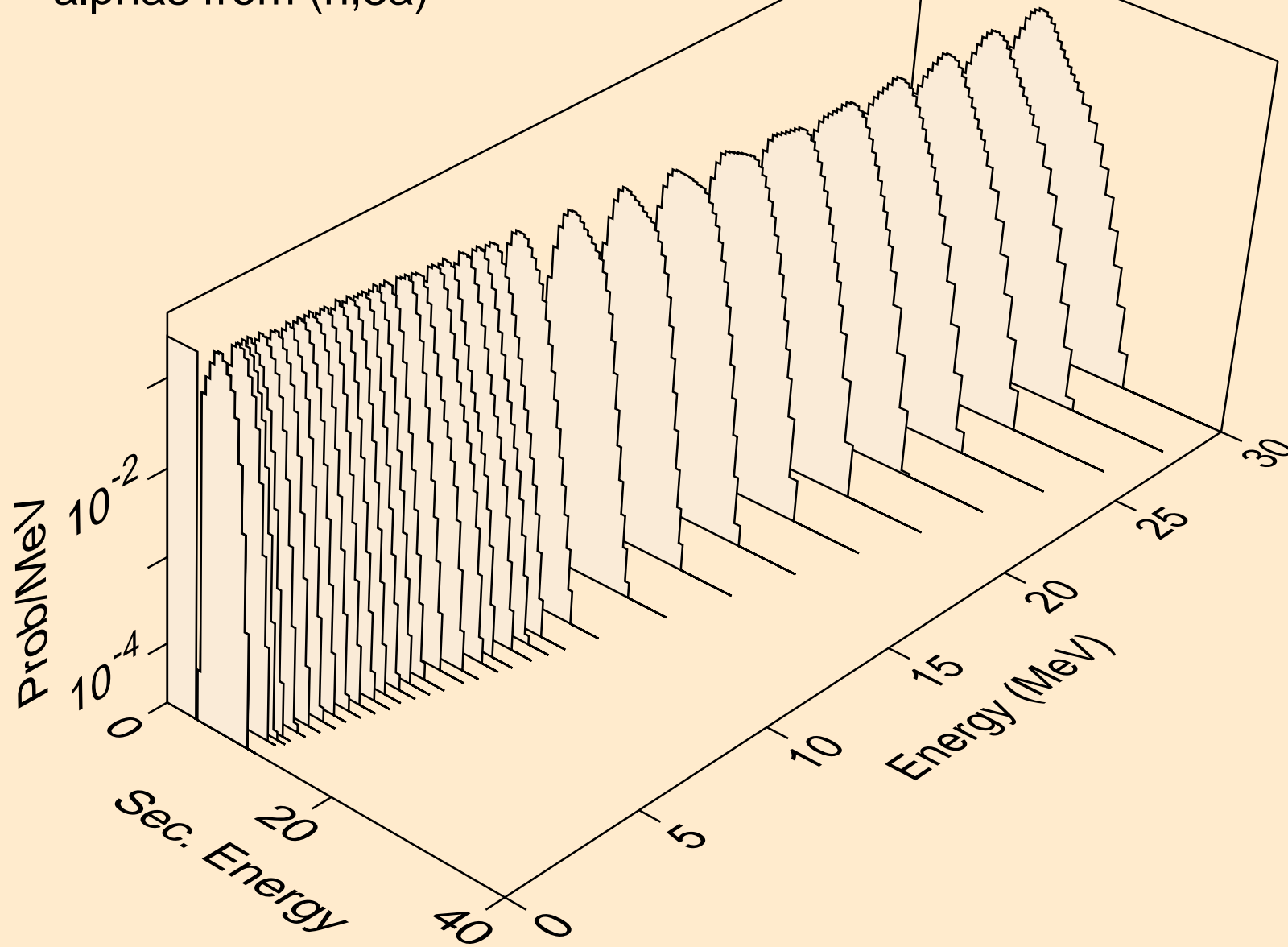
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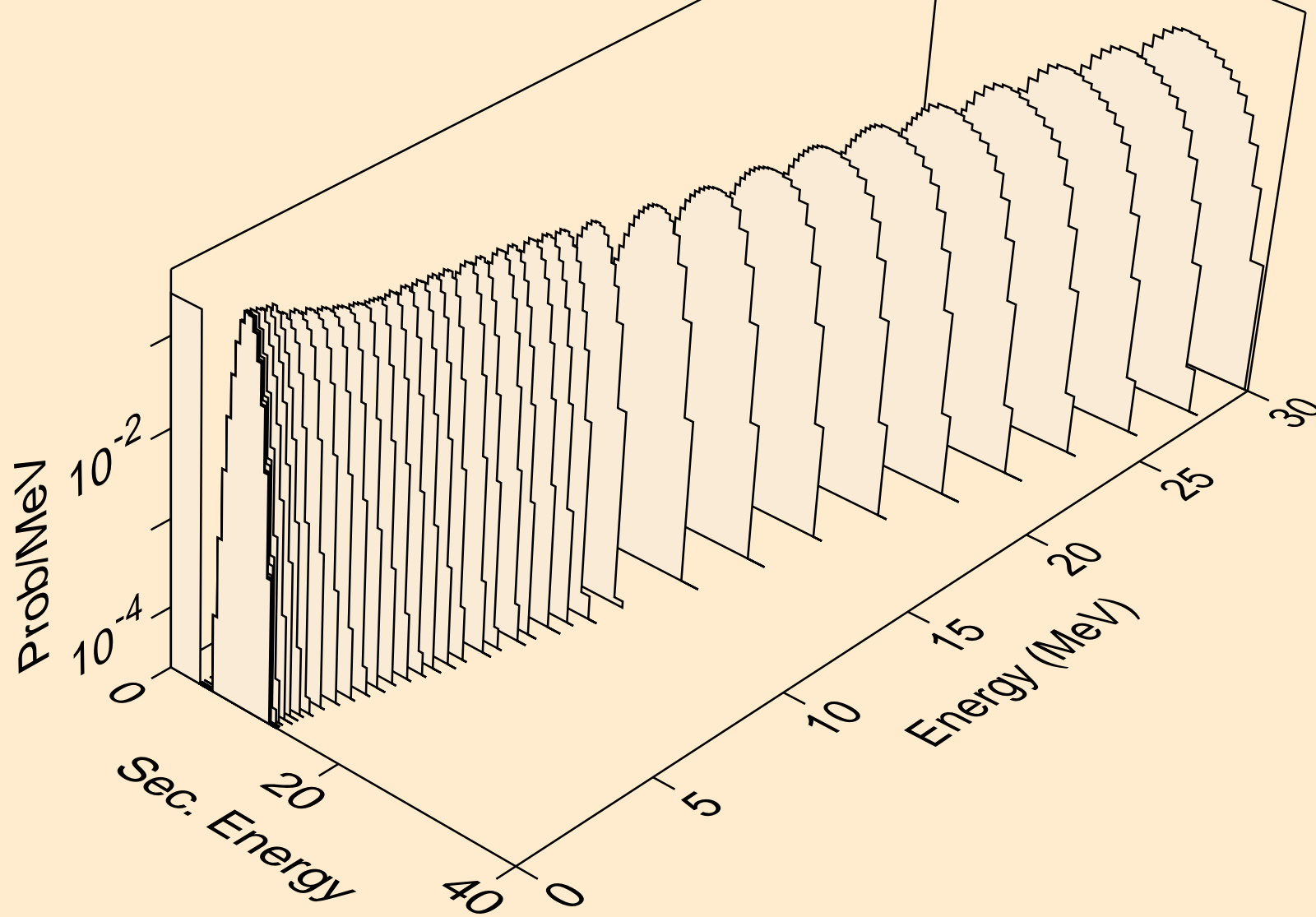
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alphas from (n,2a)



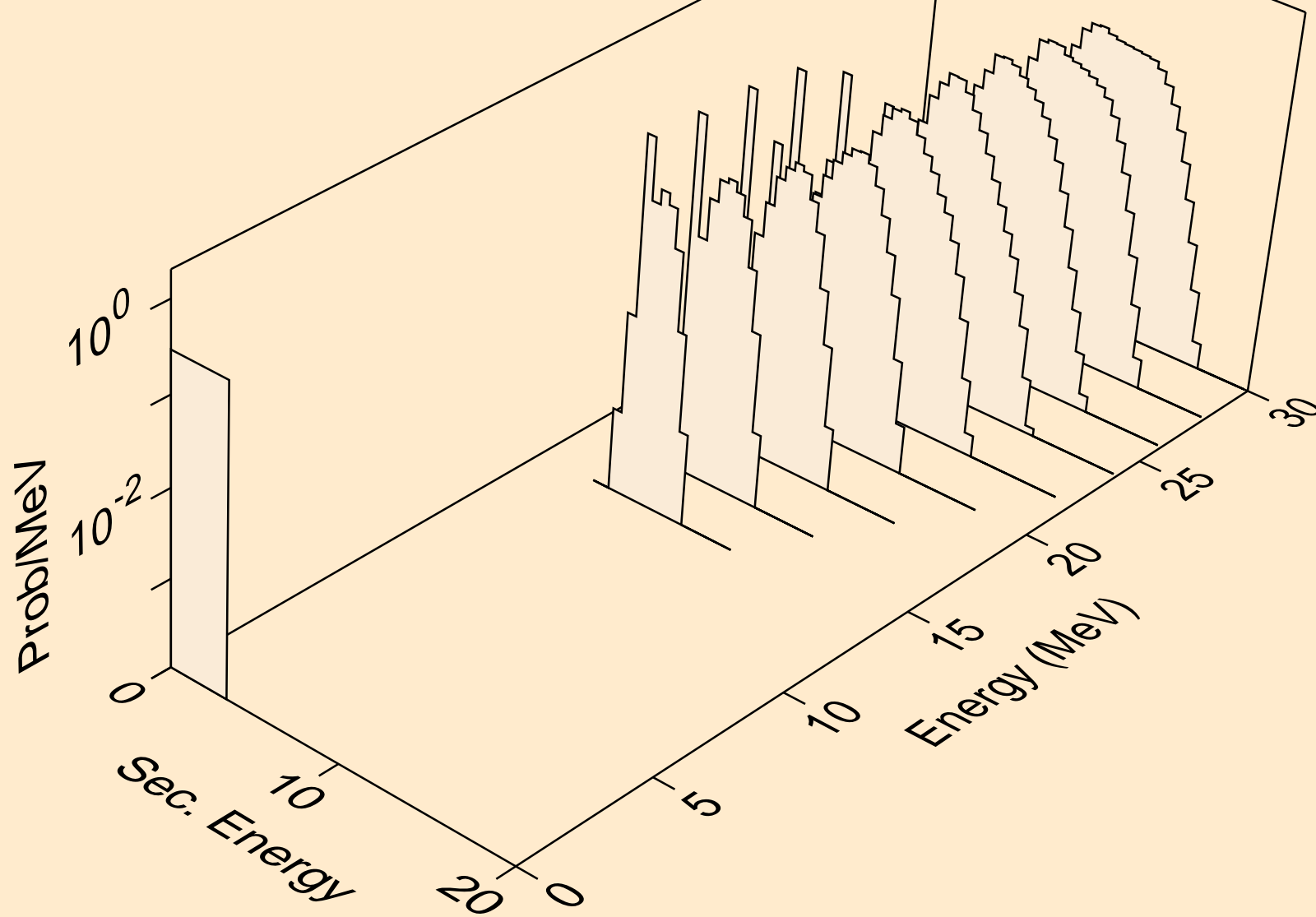
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alphas from (n,3a)



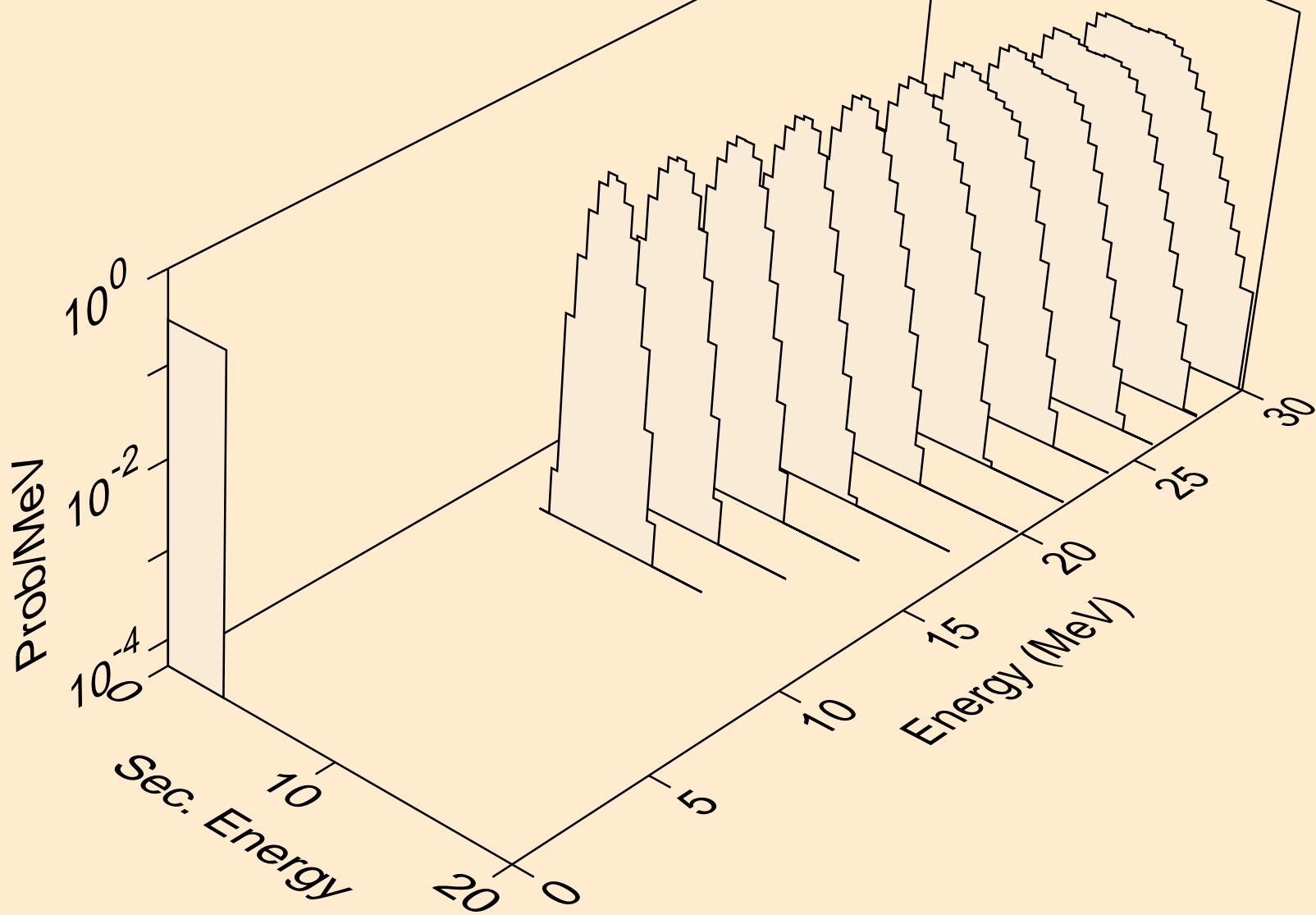
LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,t2a)



LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,d2a)



LA120 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

