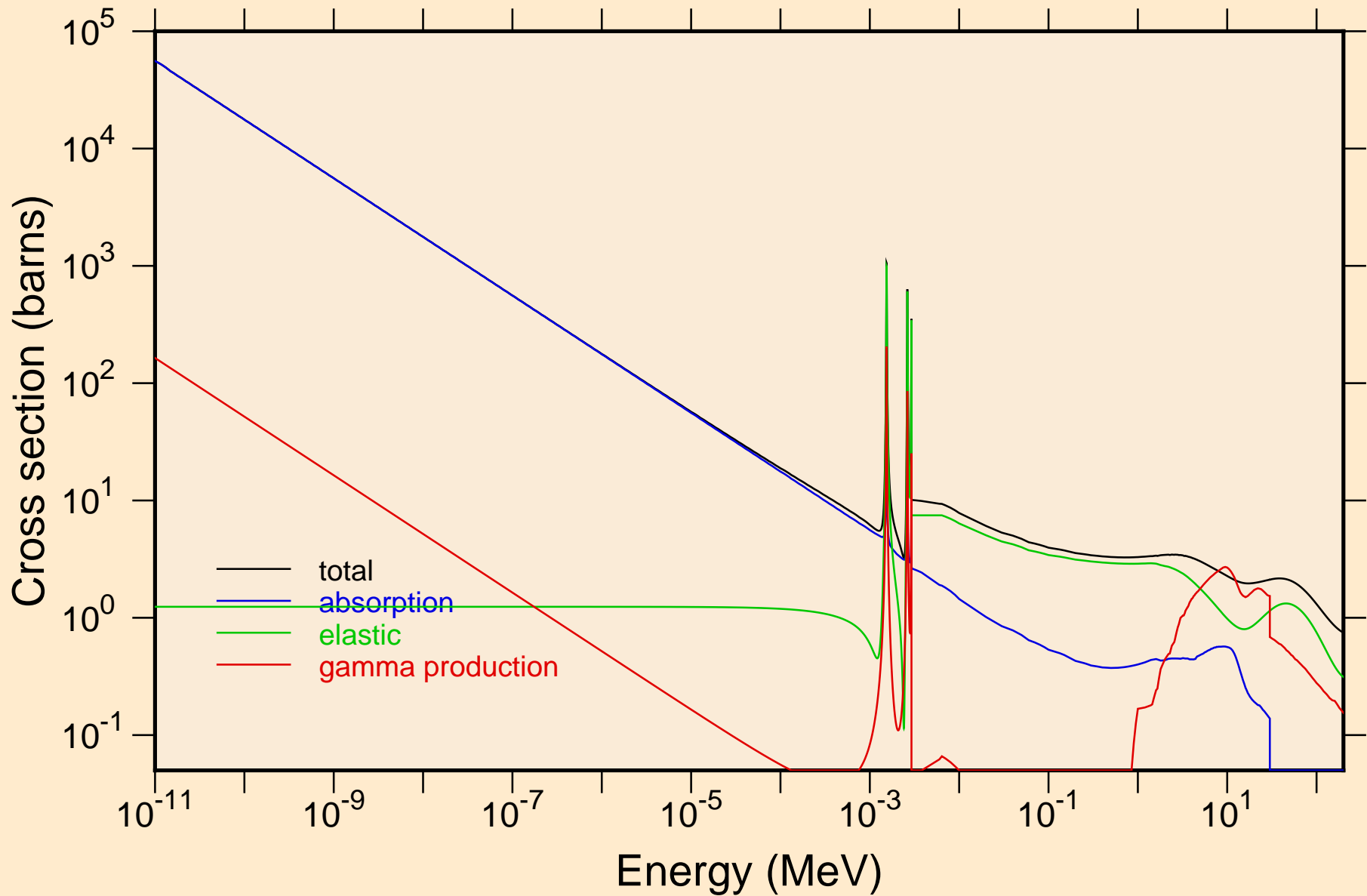
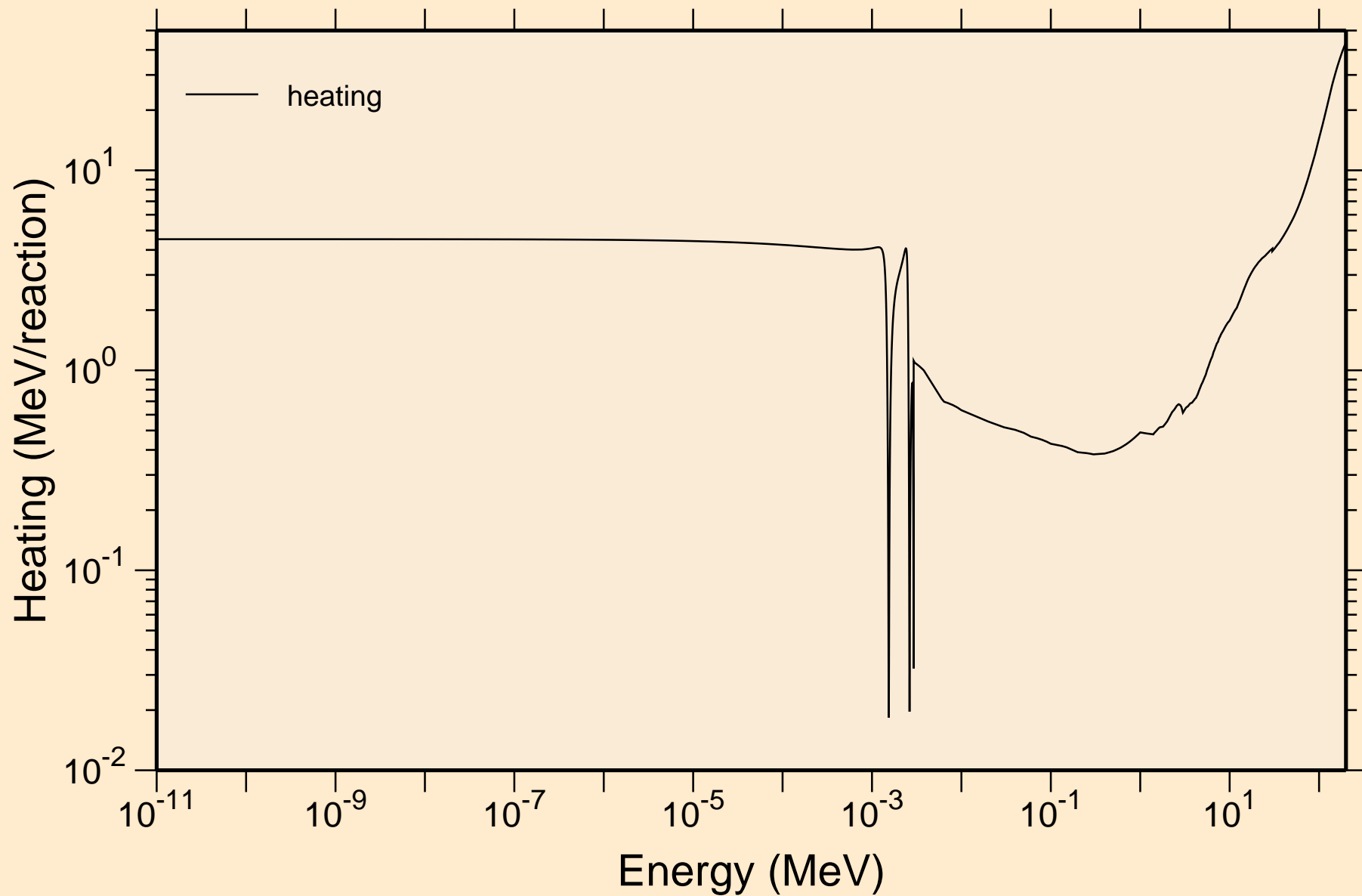


AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections

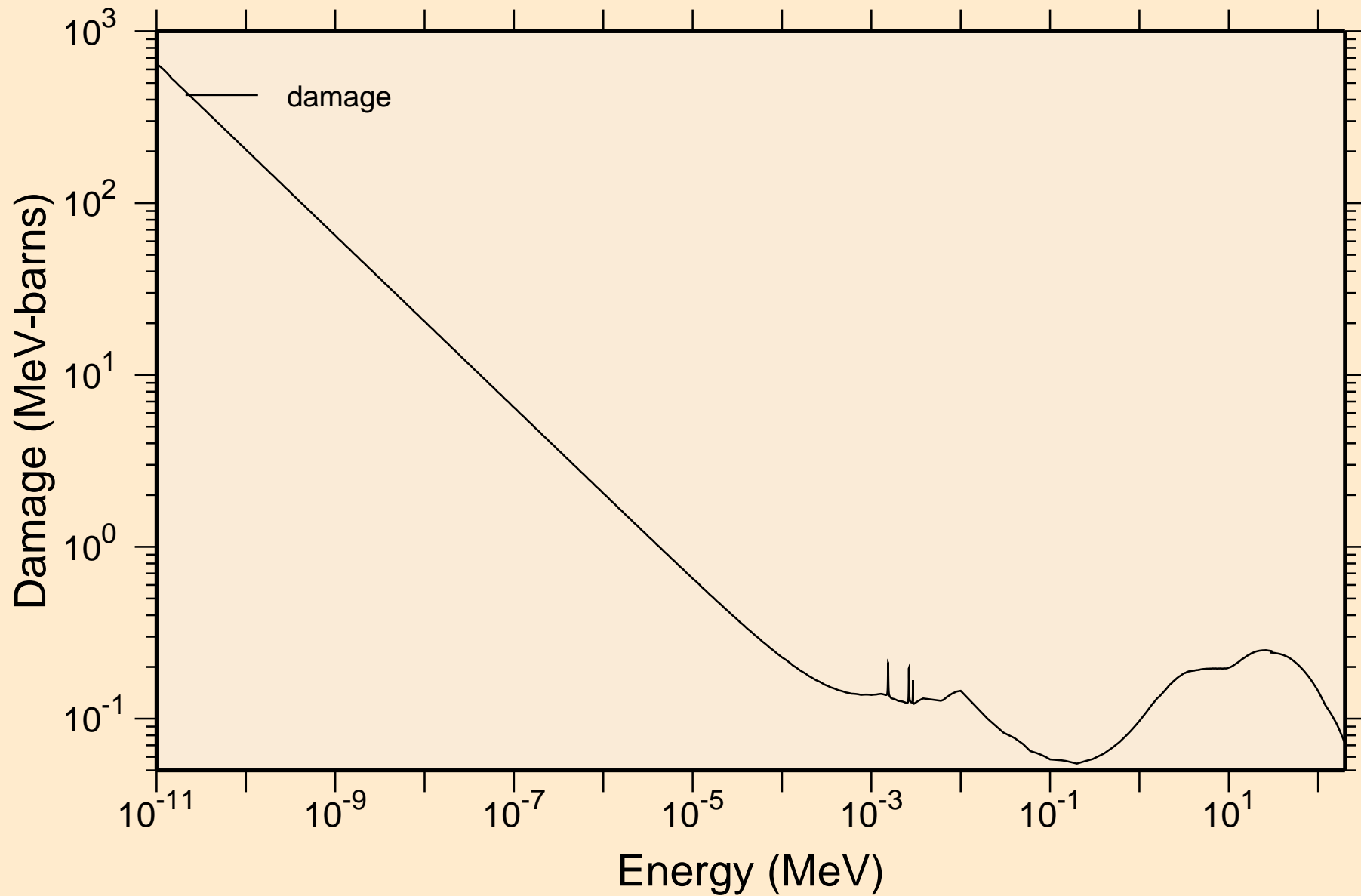


AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating

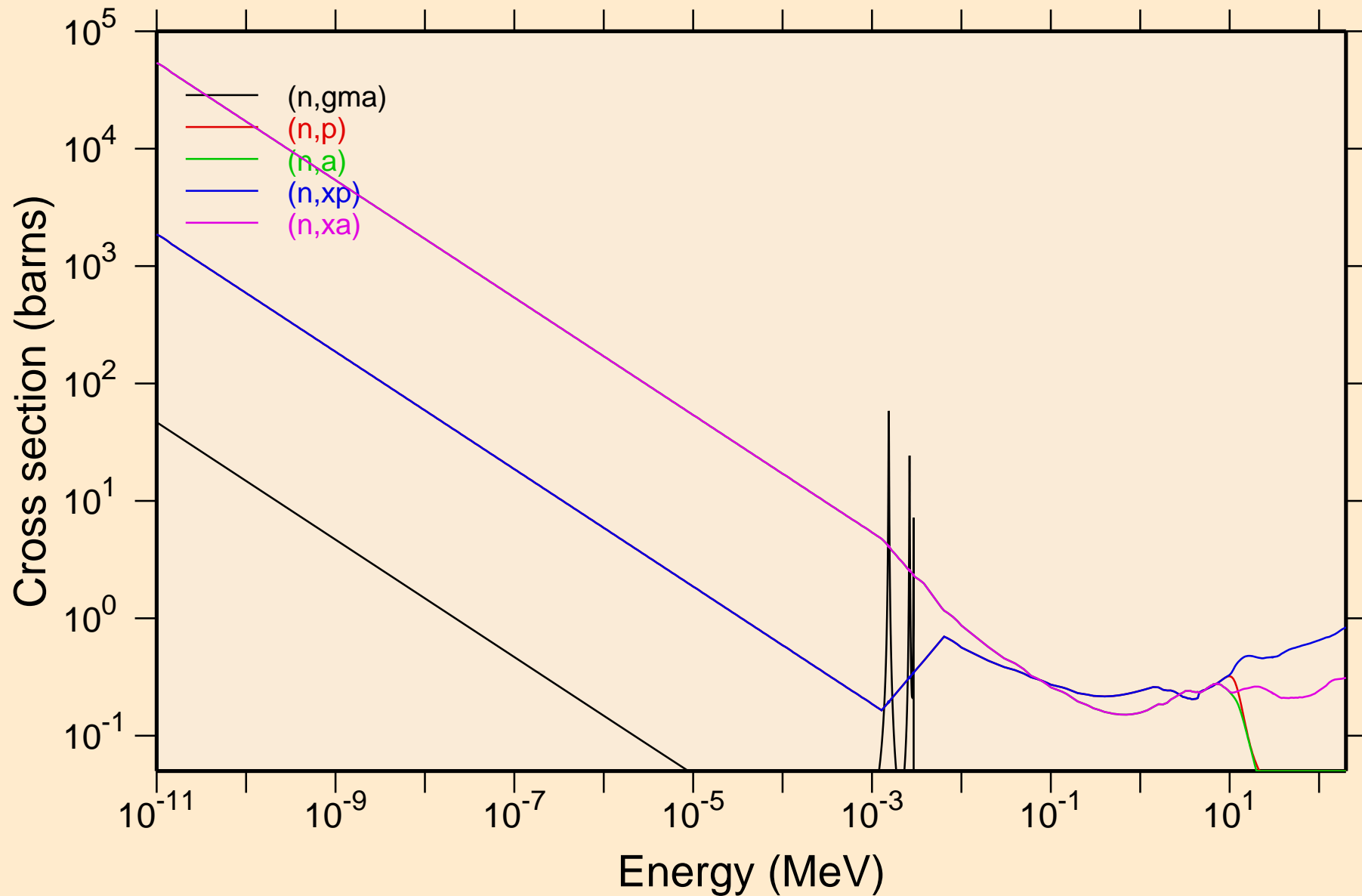


# AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

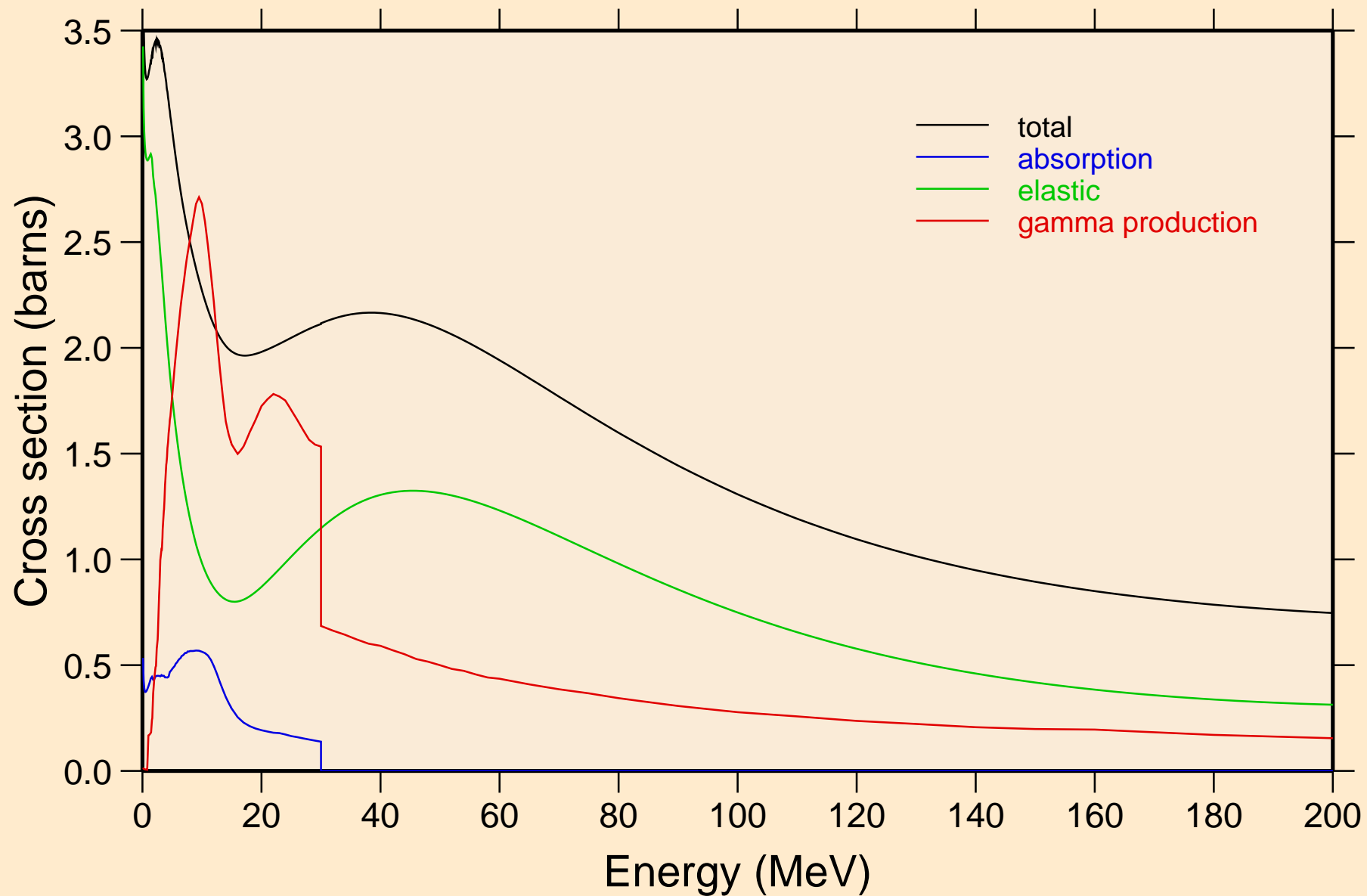


AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

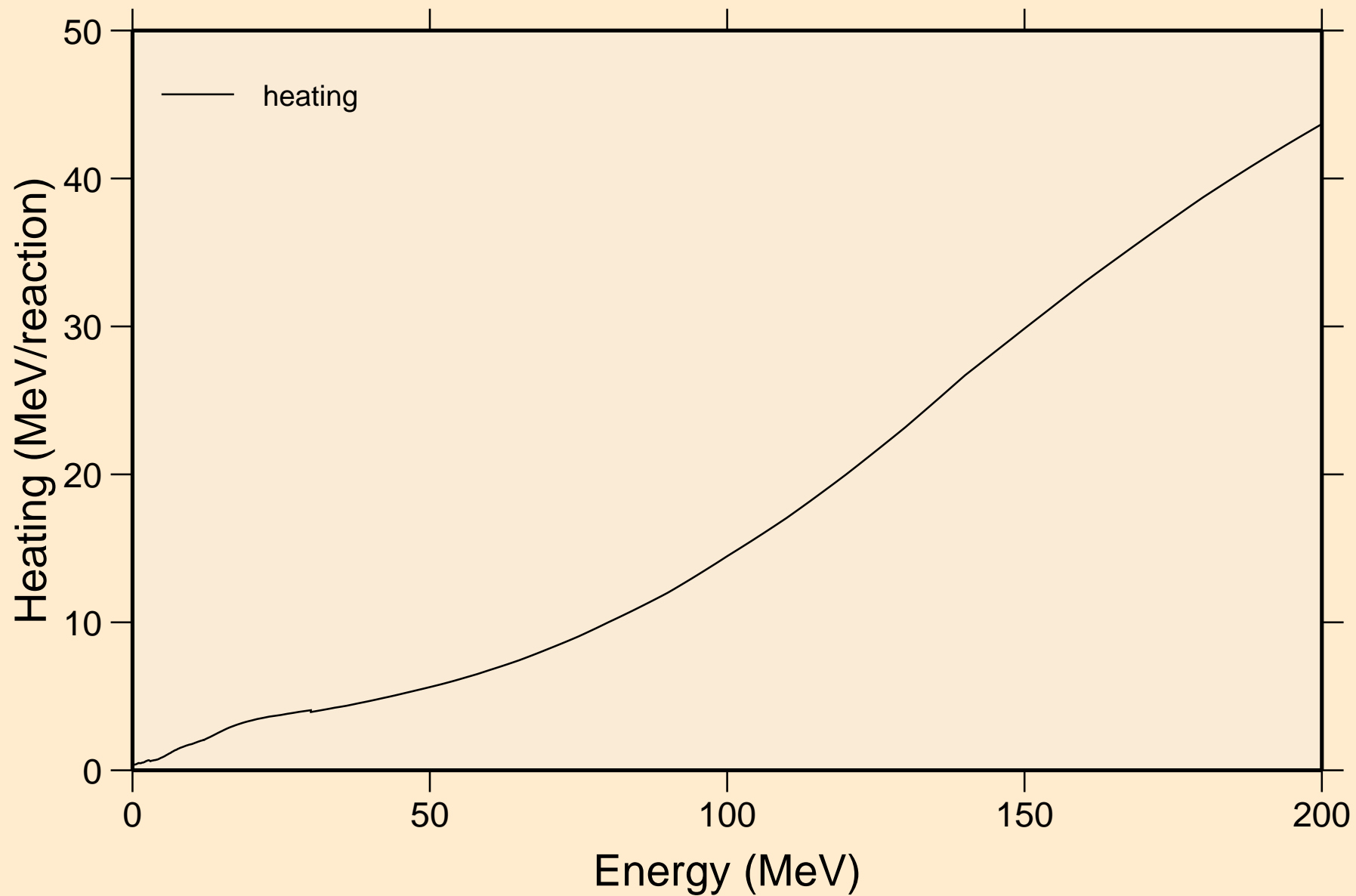


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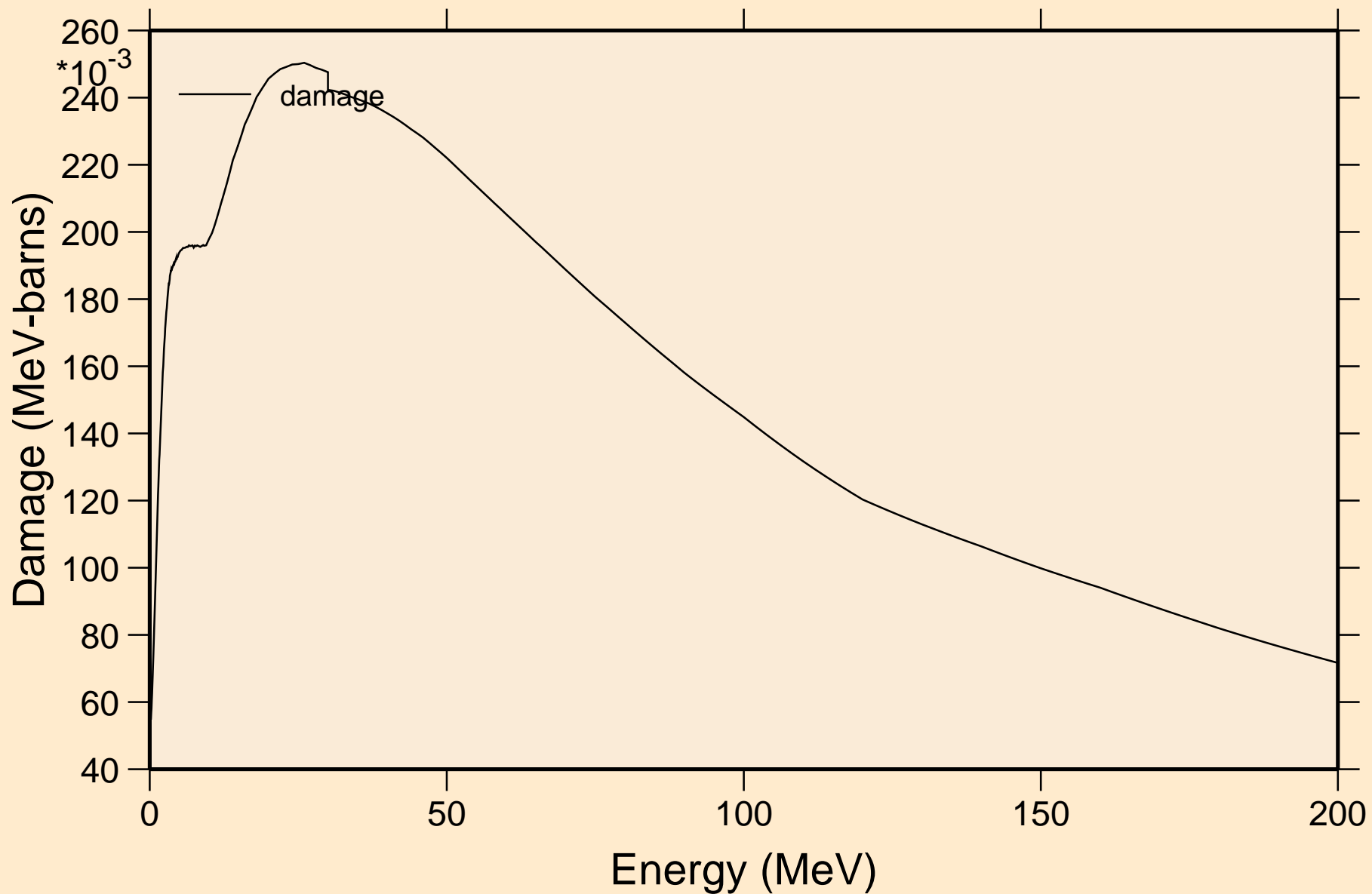
## Principal cross sections



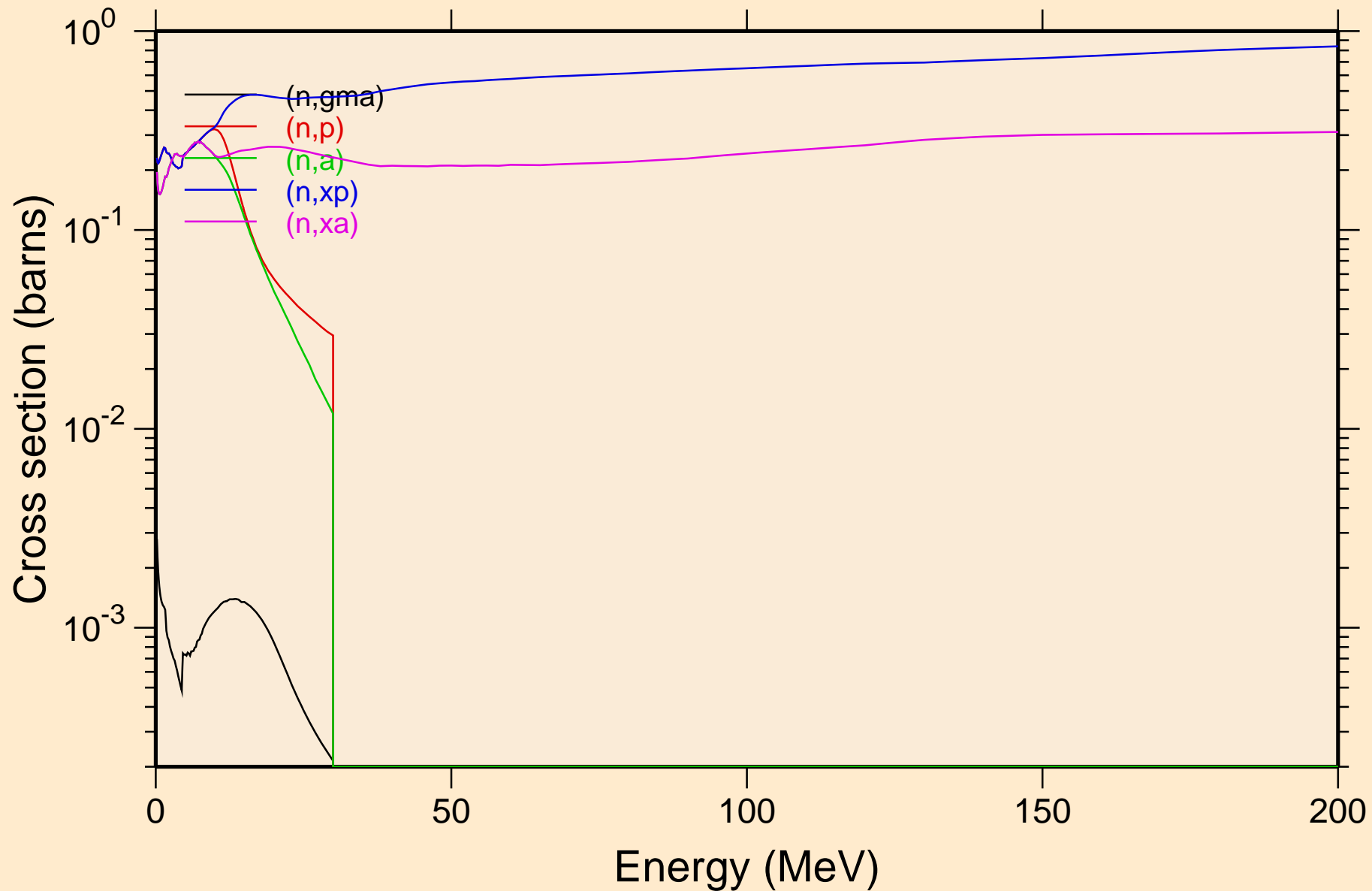
AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage

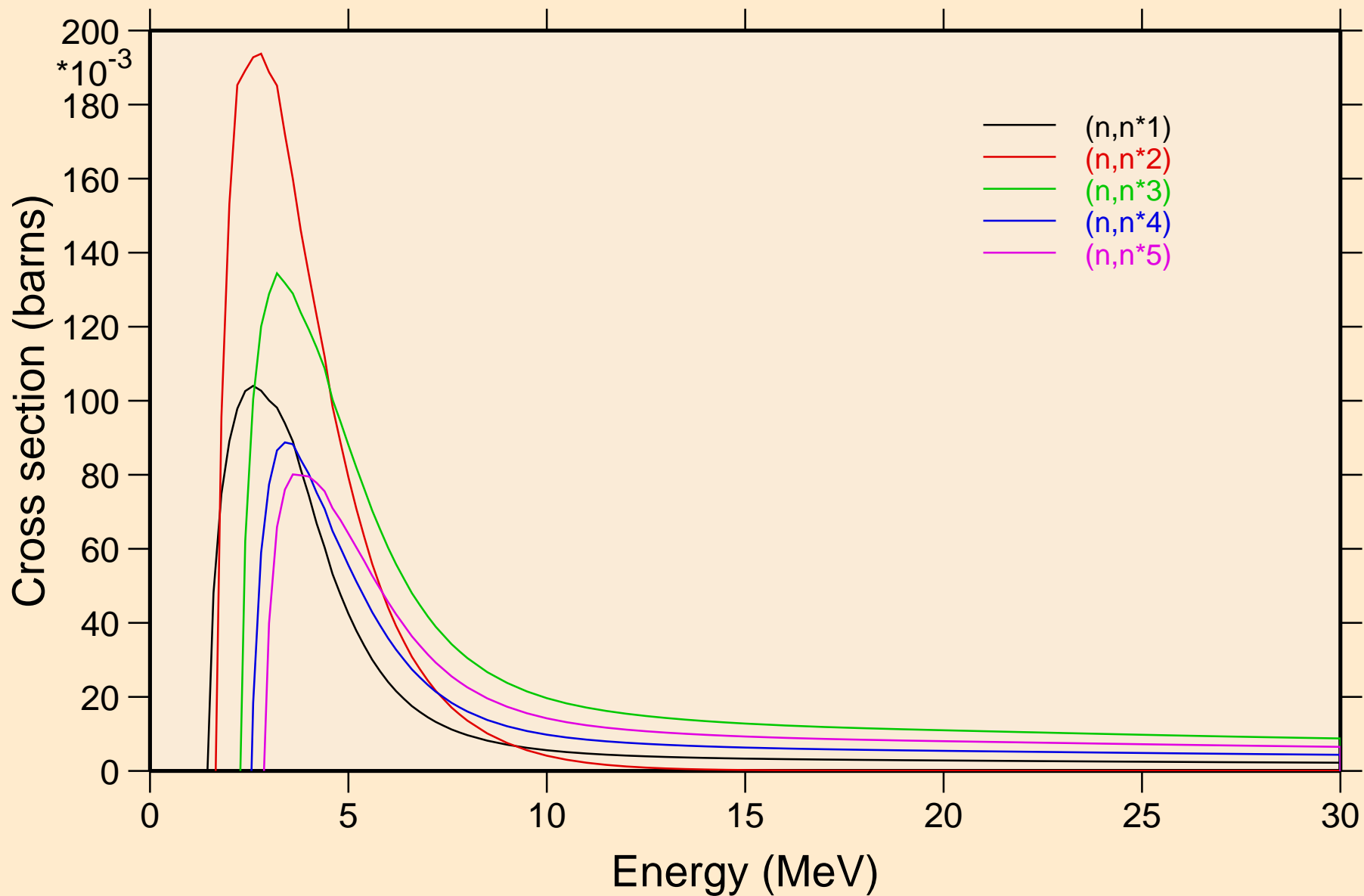


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Non-threshold reactions

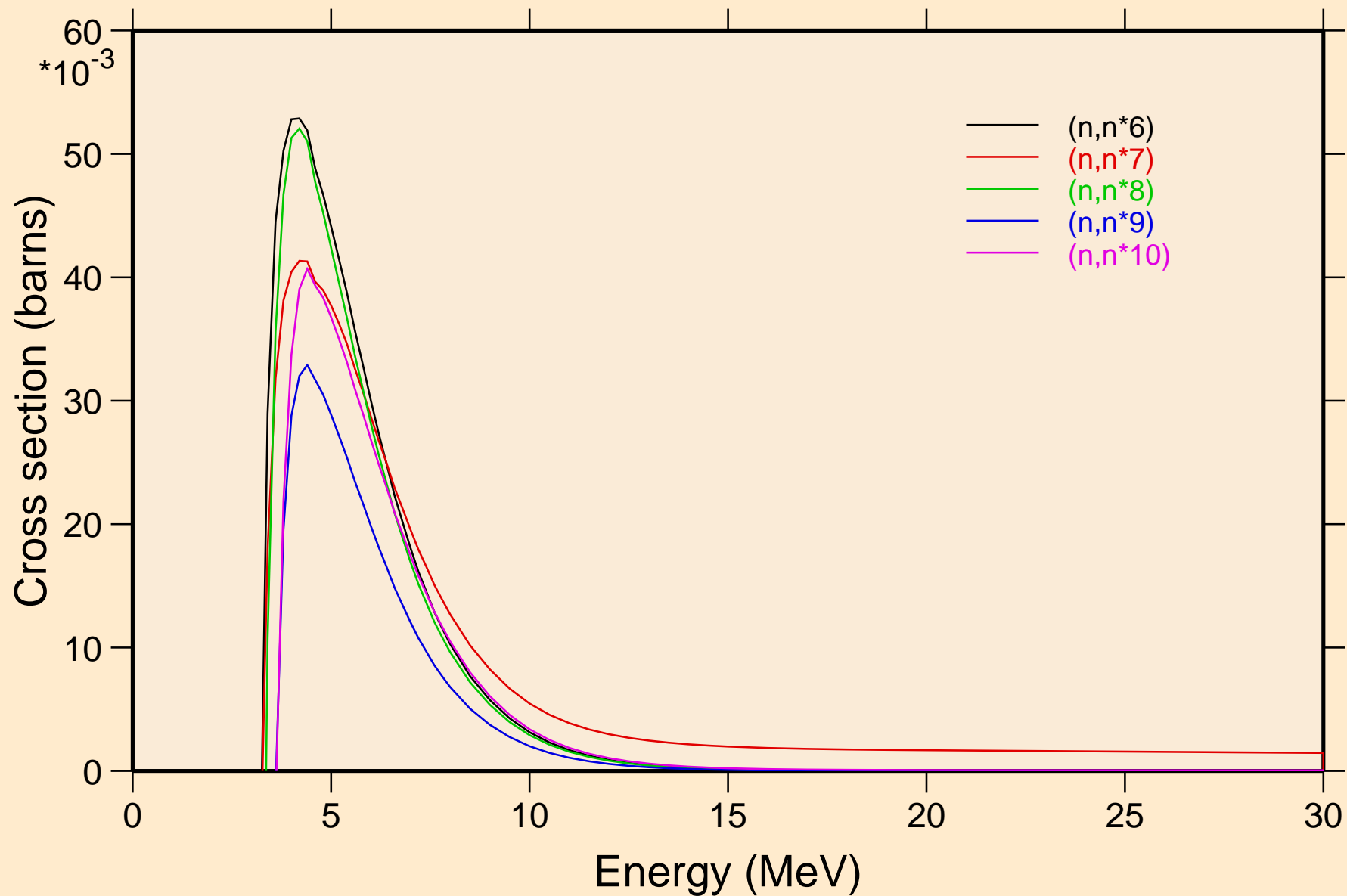




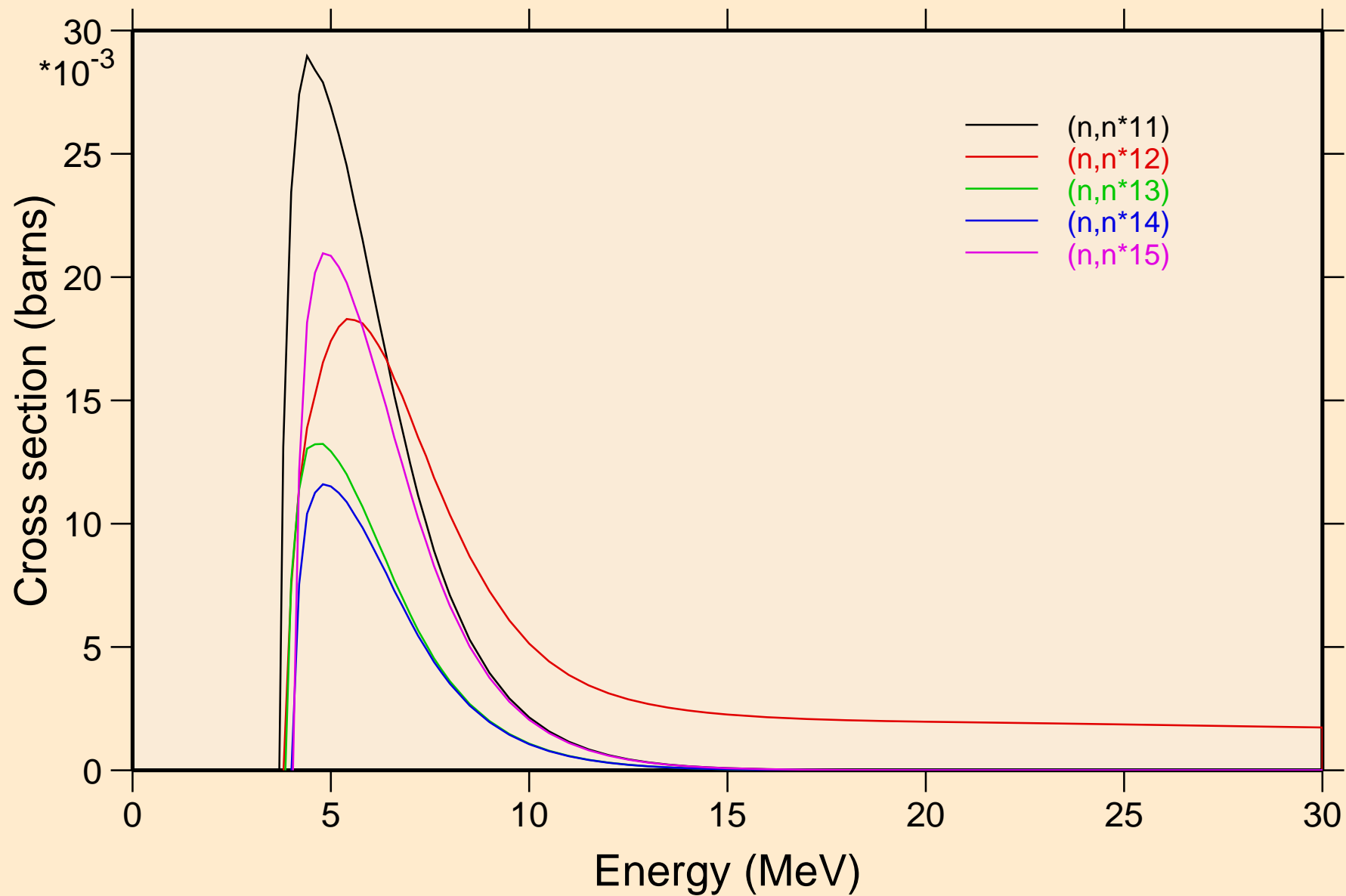
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Inelastic levels



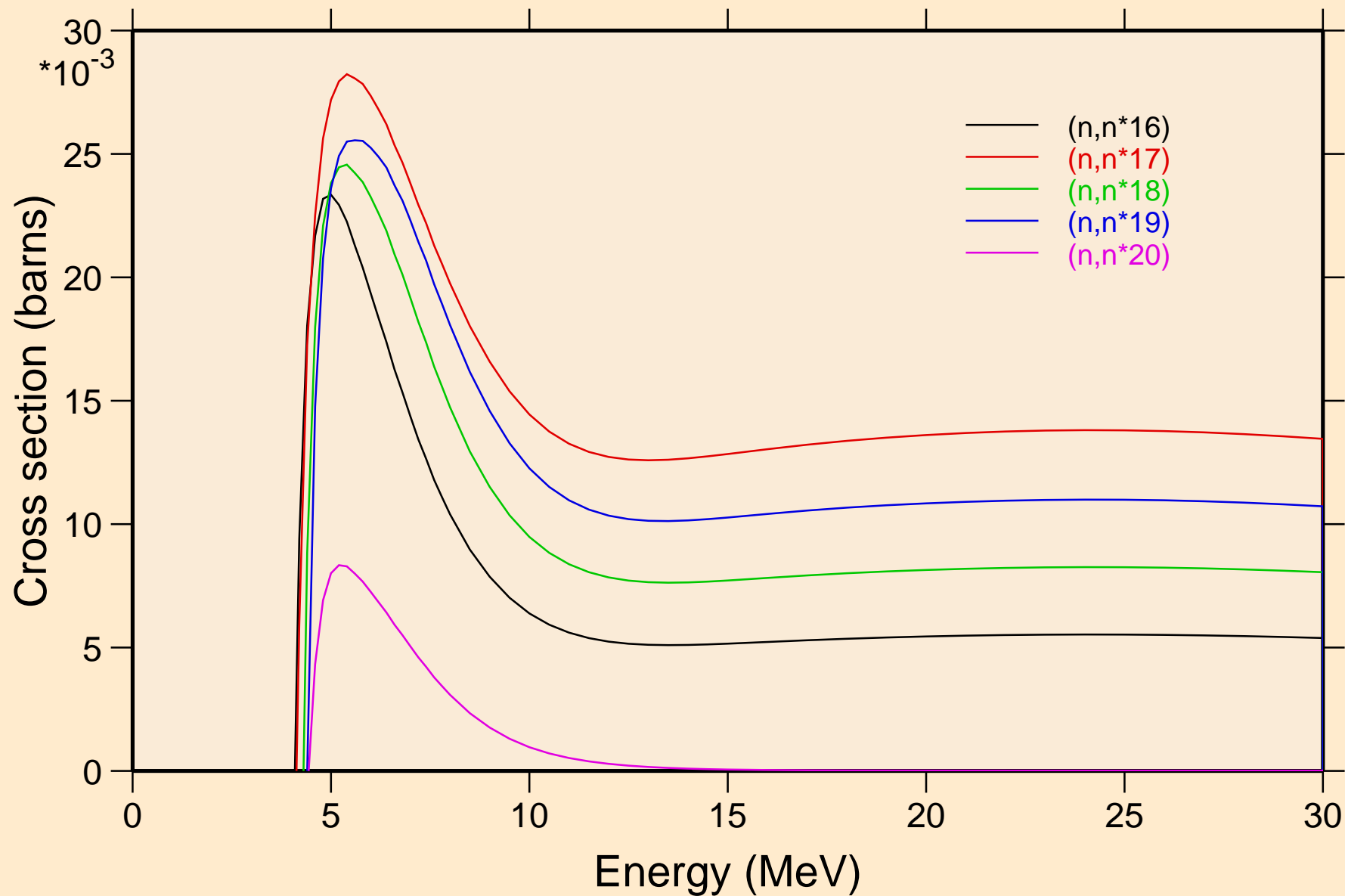
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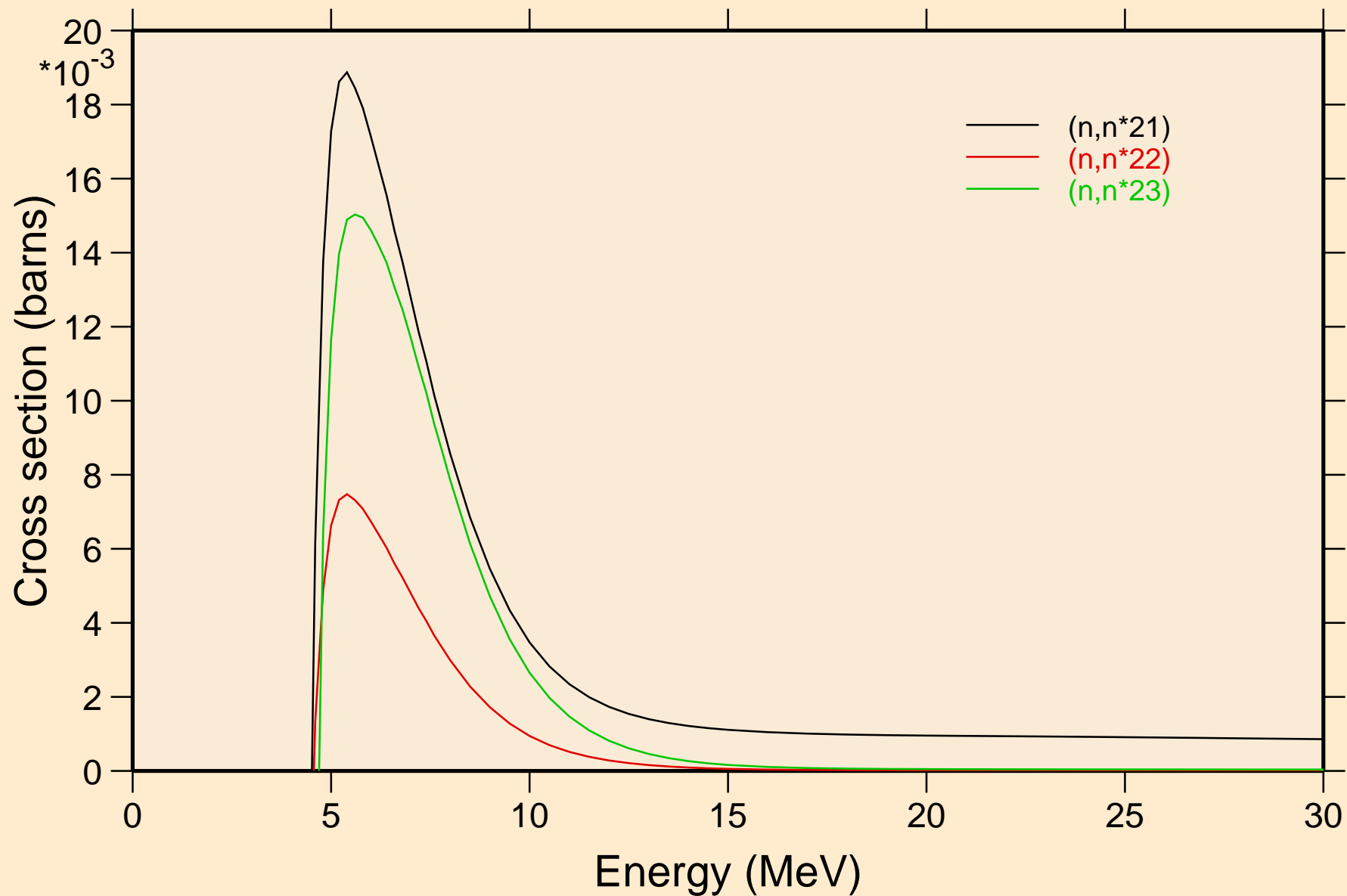
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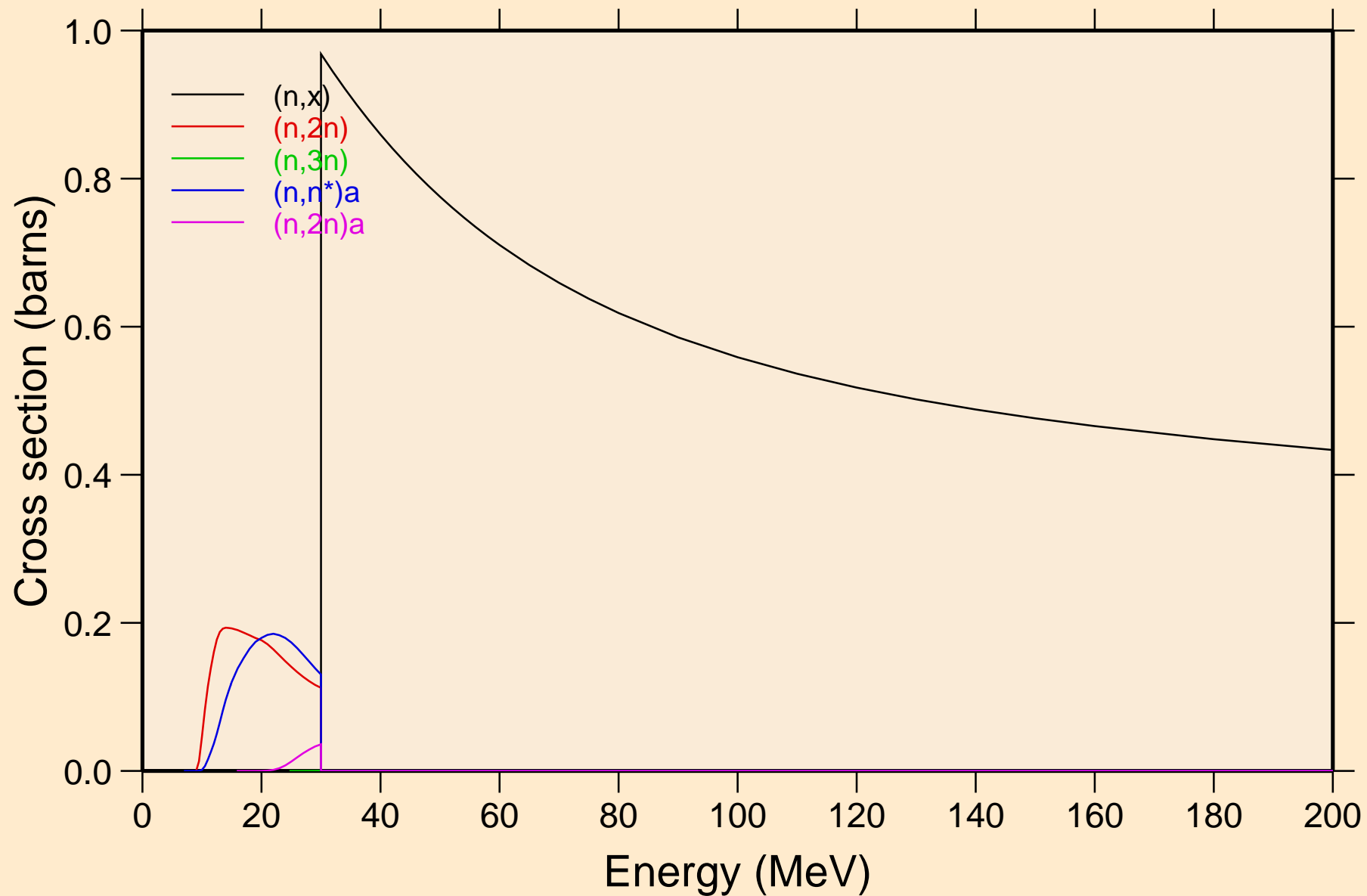
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Inelastic levels



AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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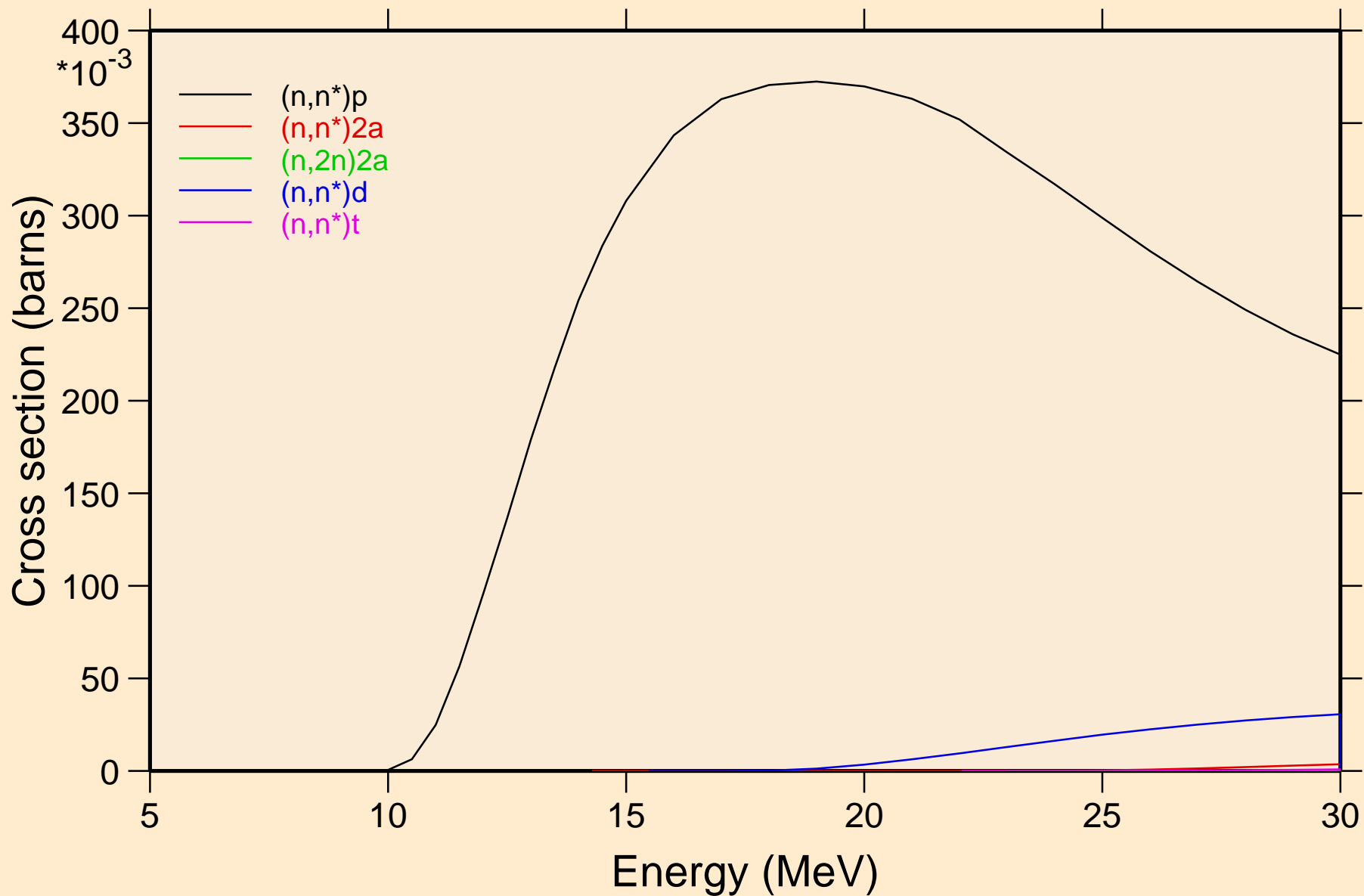


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Threshold reactions

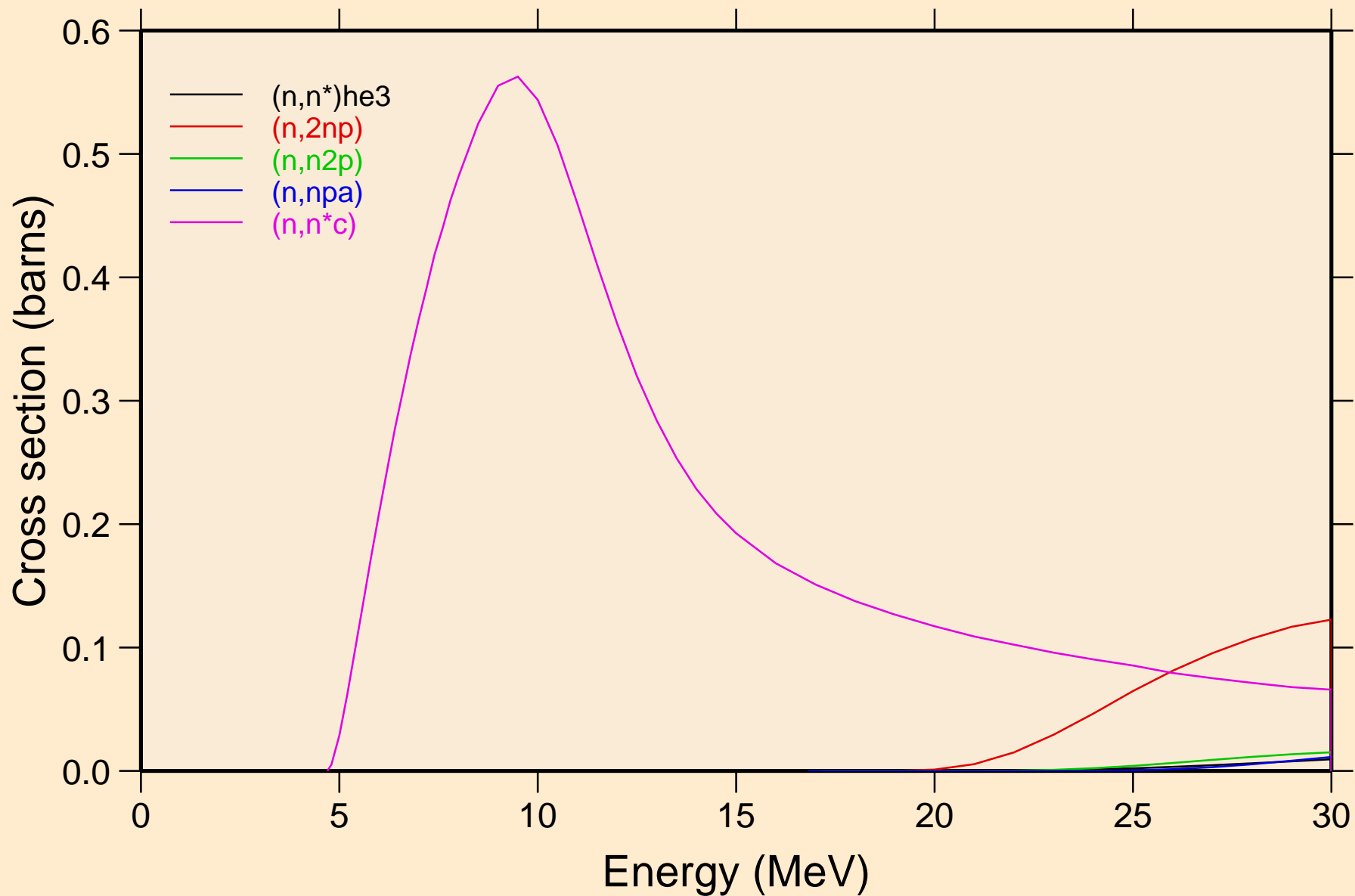


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## Threshold reactions

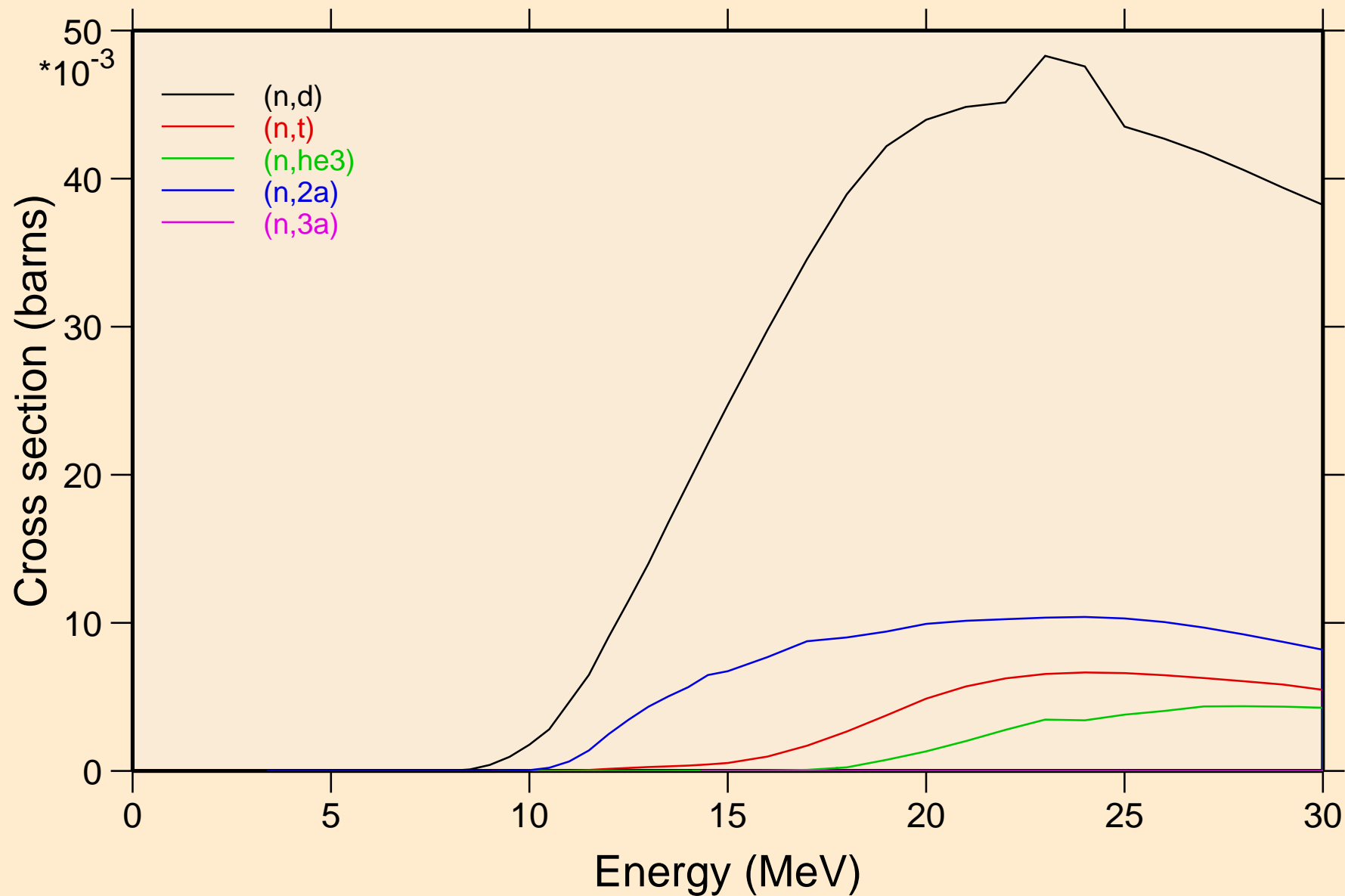


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Threshold reactions



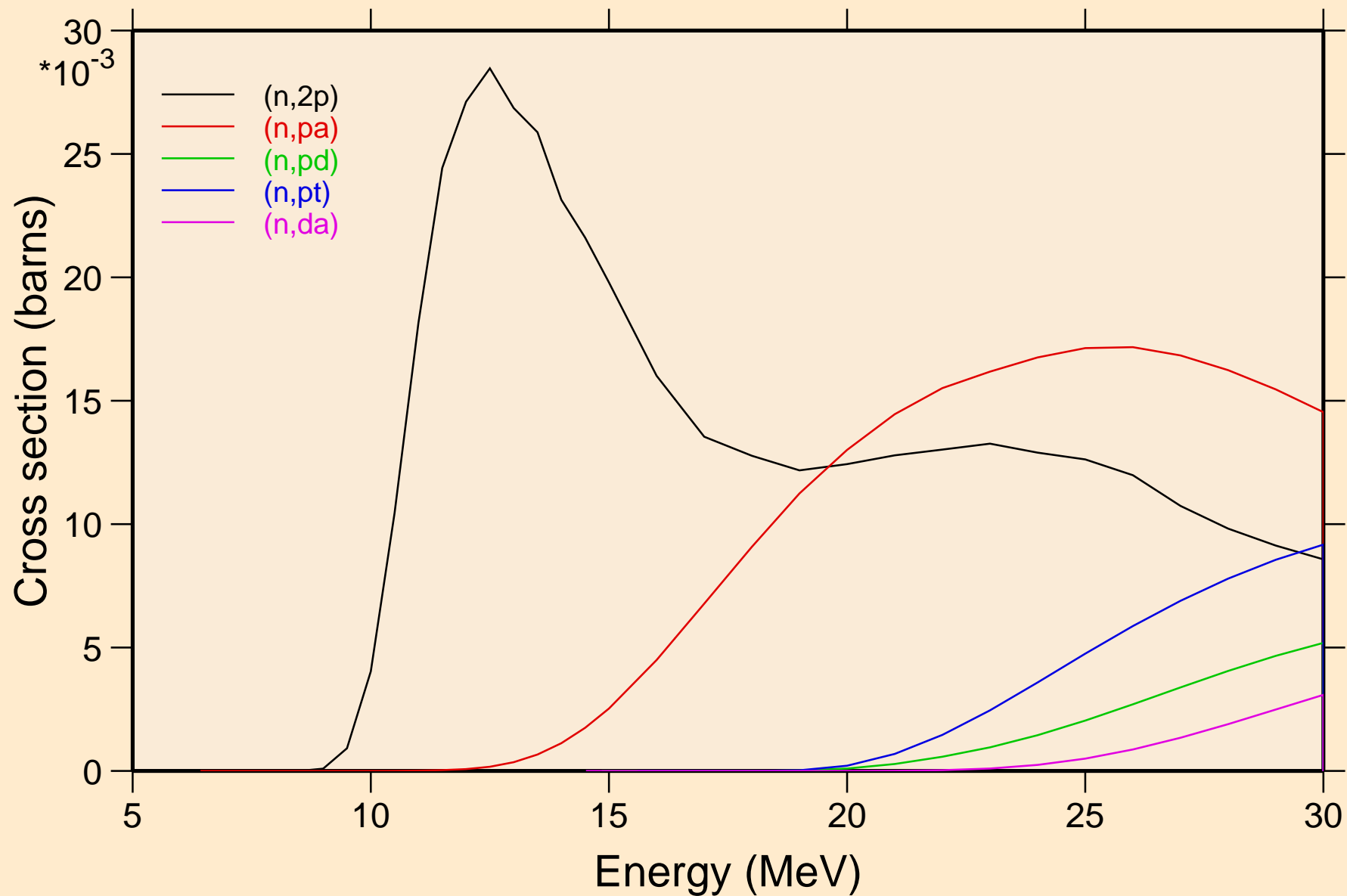


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Threshold reactions



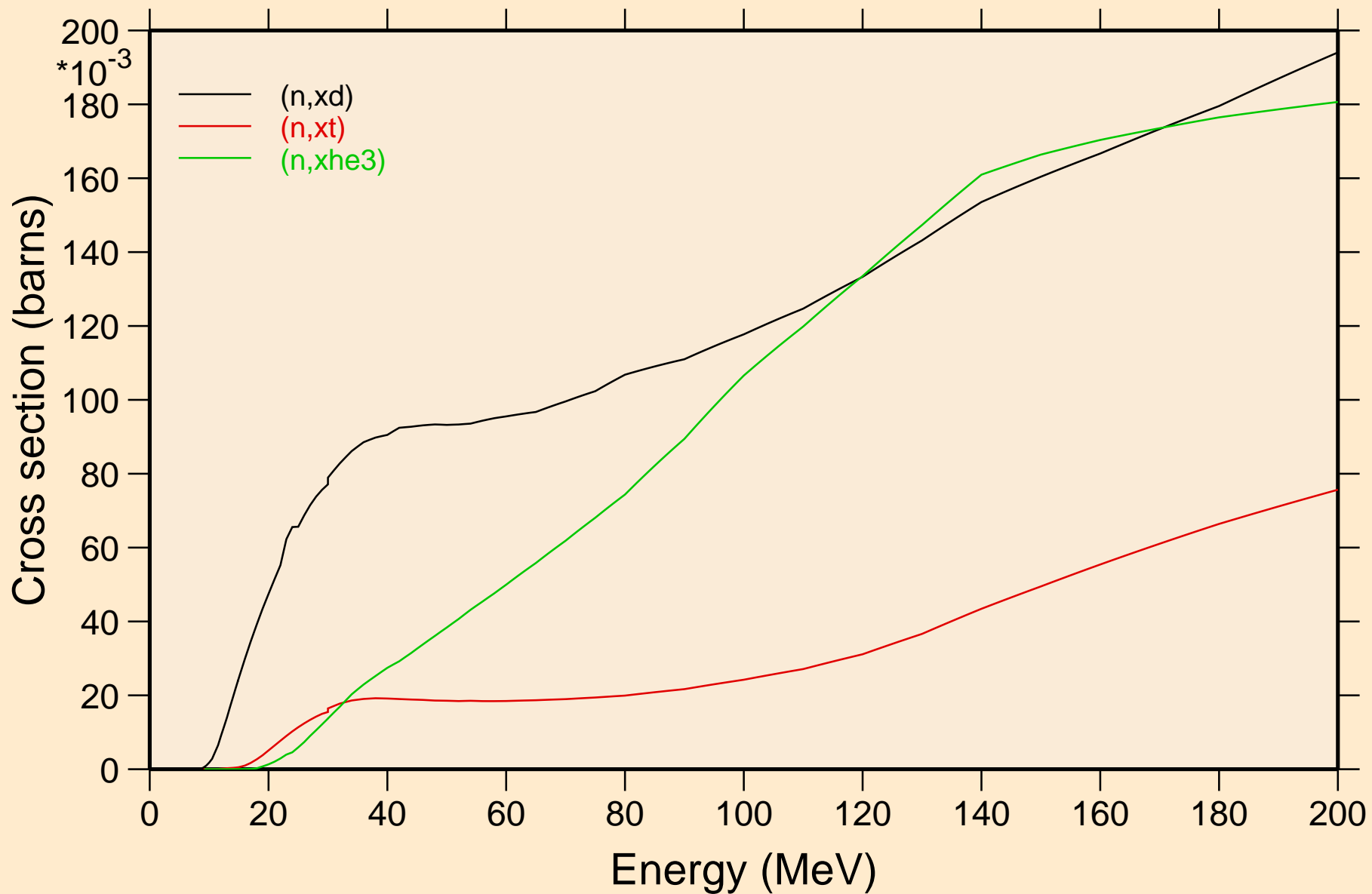
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## Threshold reactions

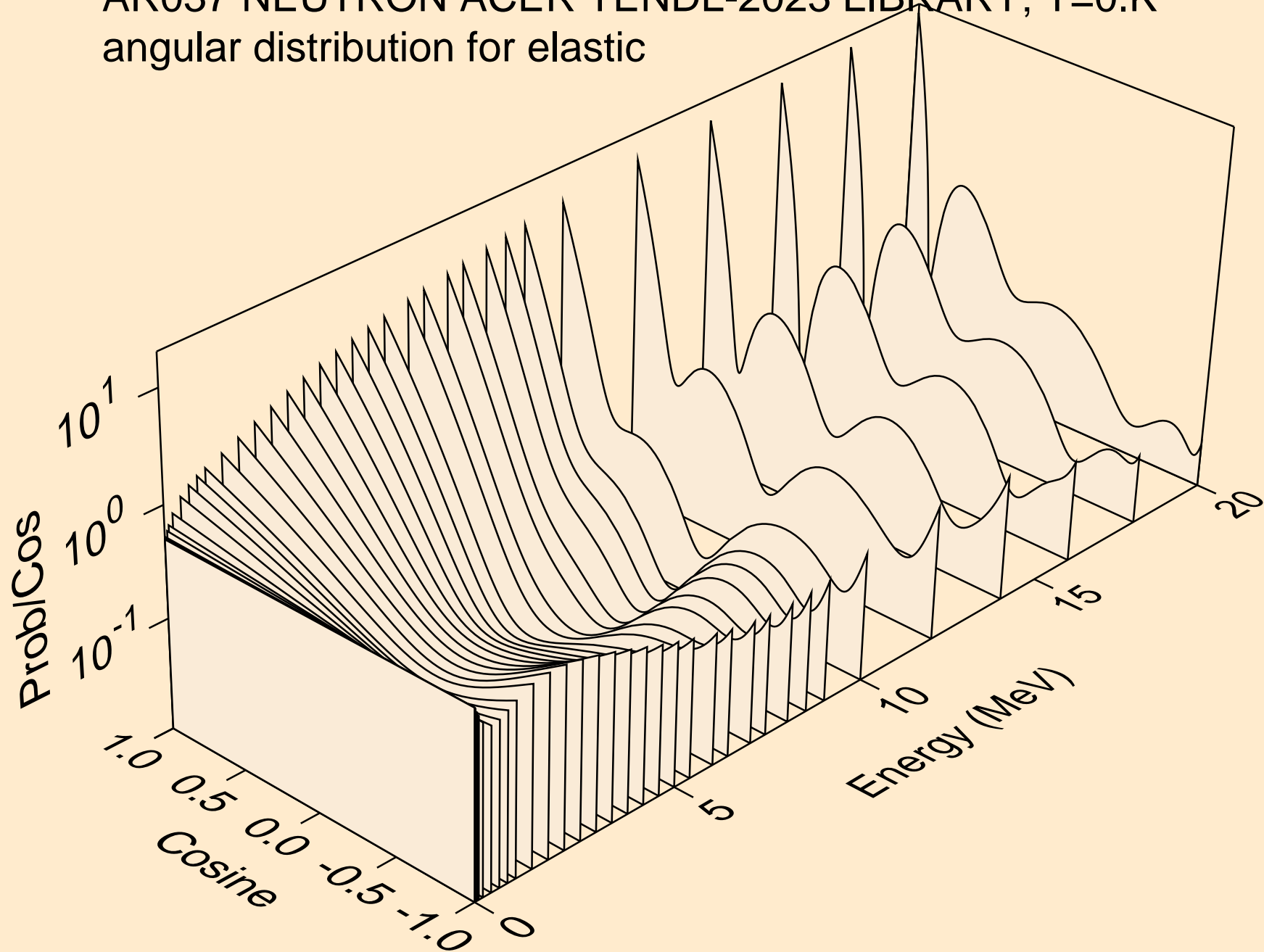


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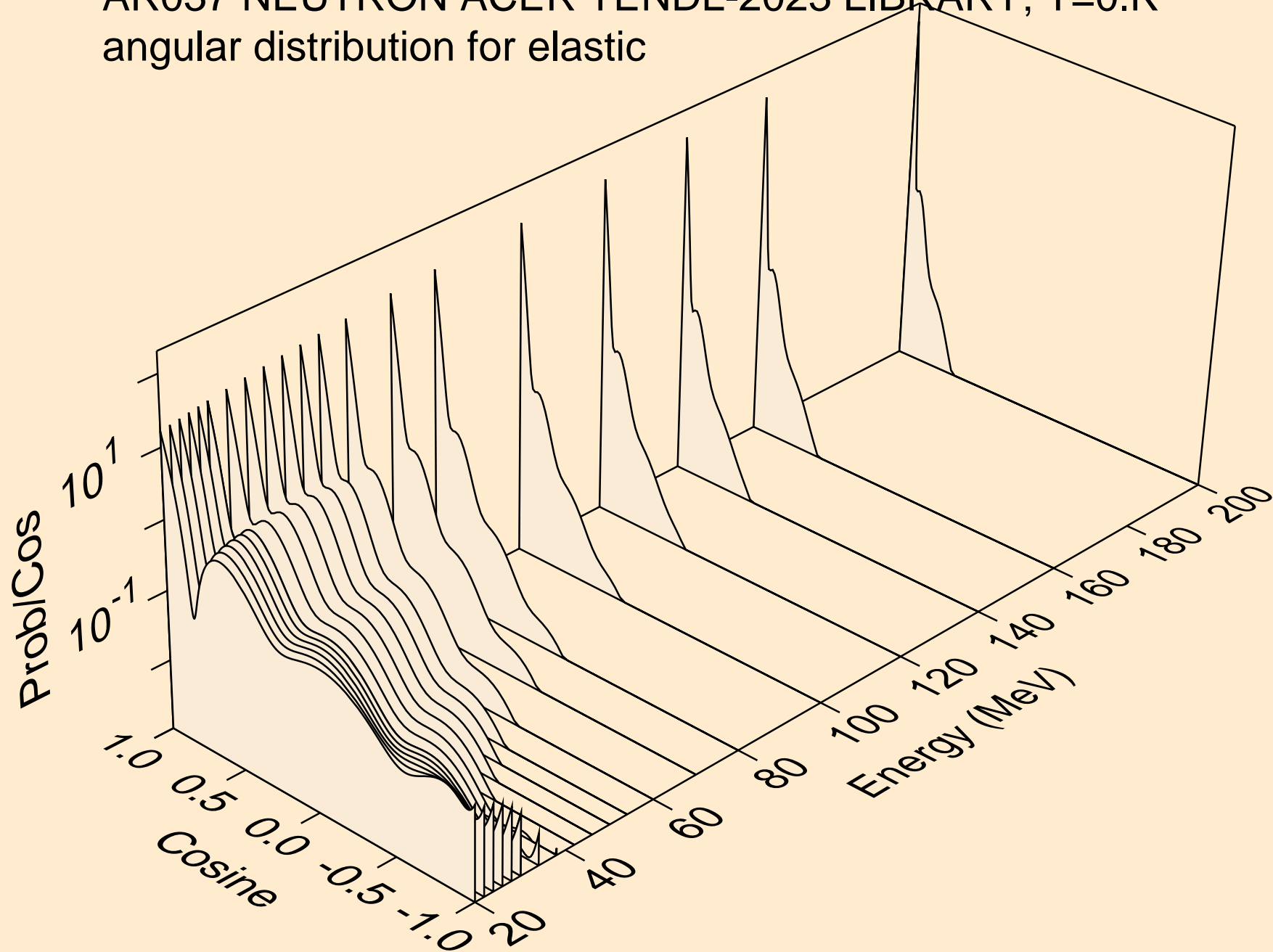
## Threshold reactions



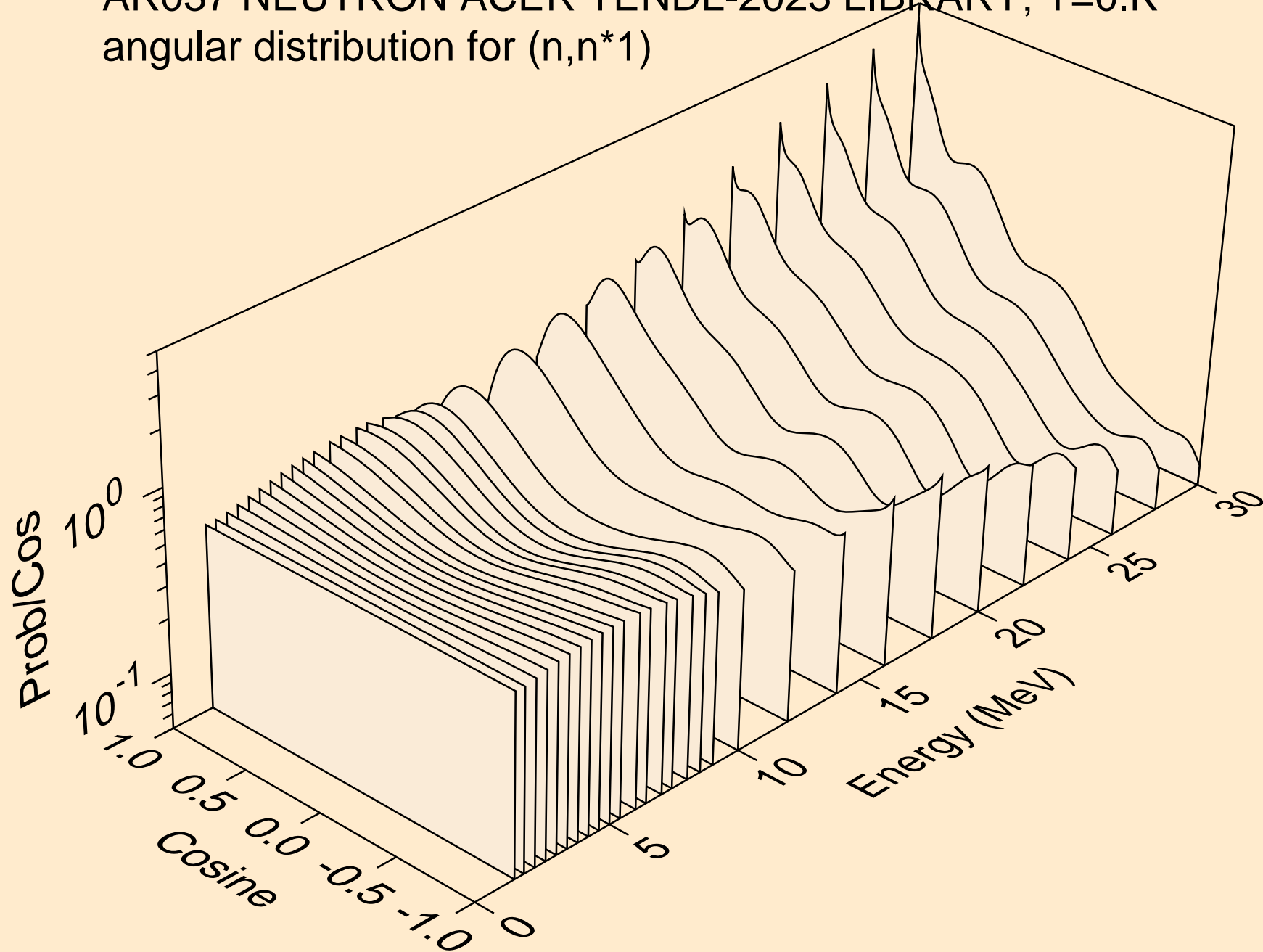
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angular distribution for elastic



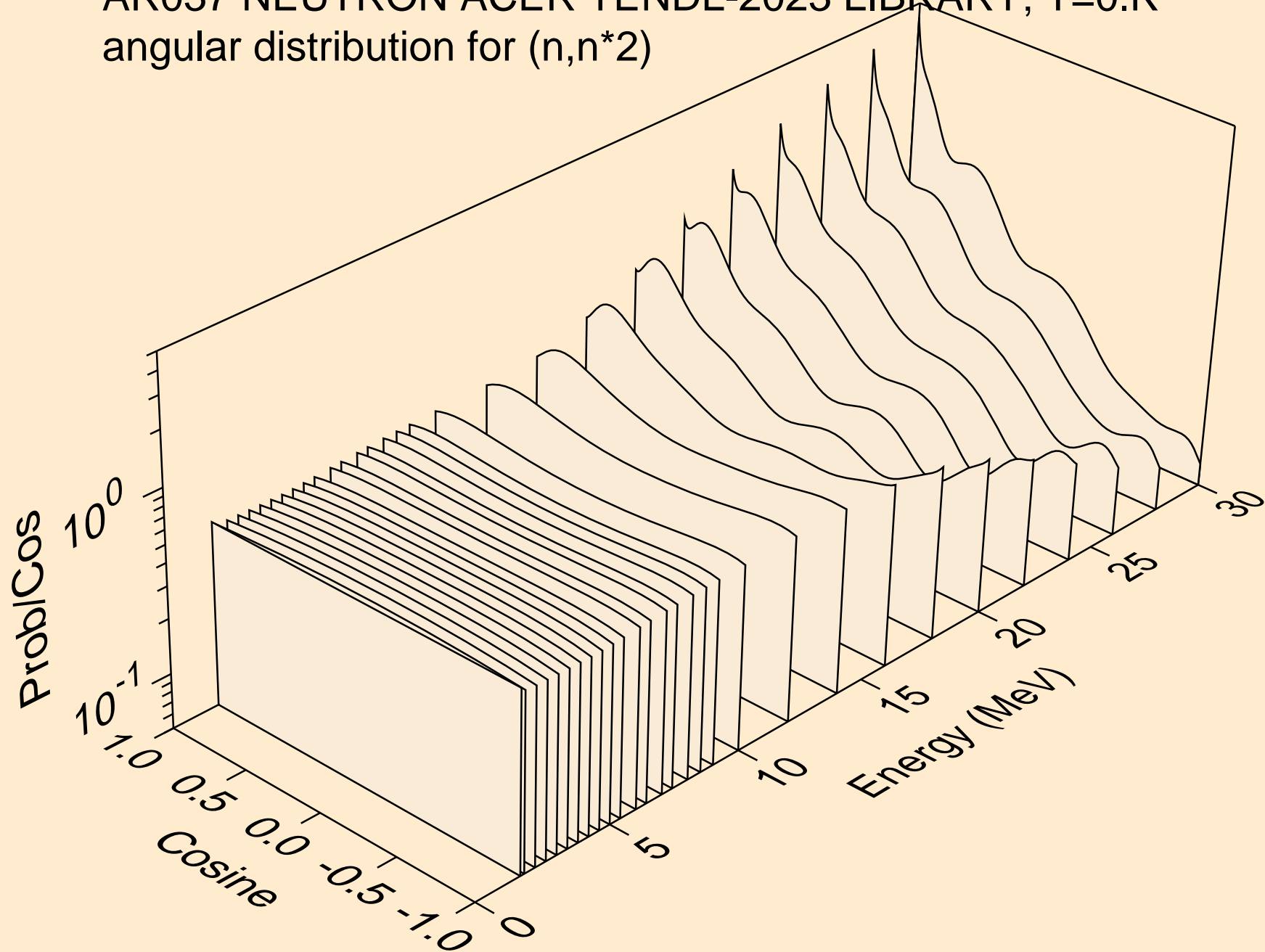
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angular distribution for elastic



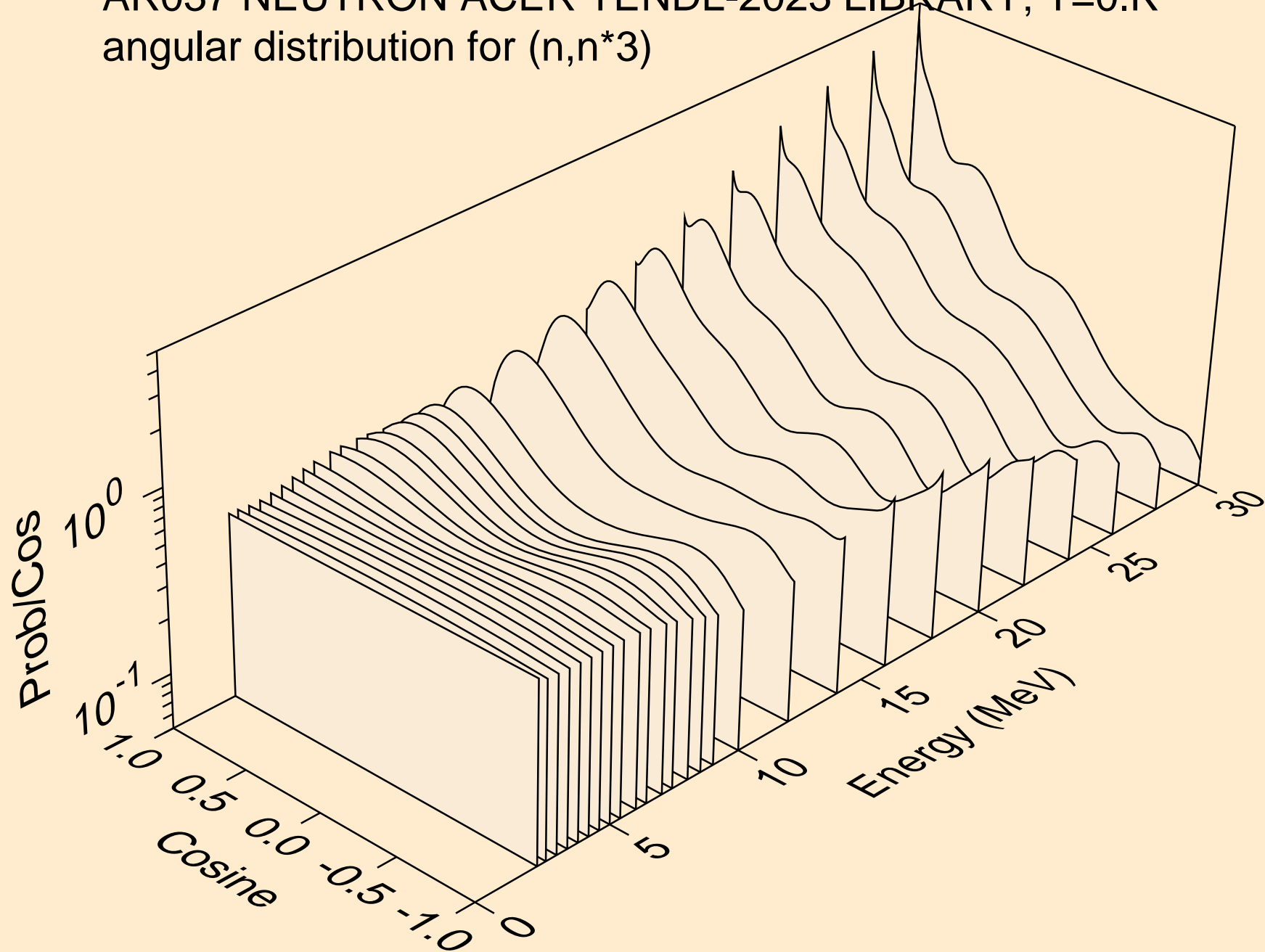
AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

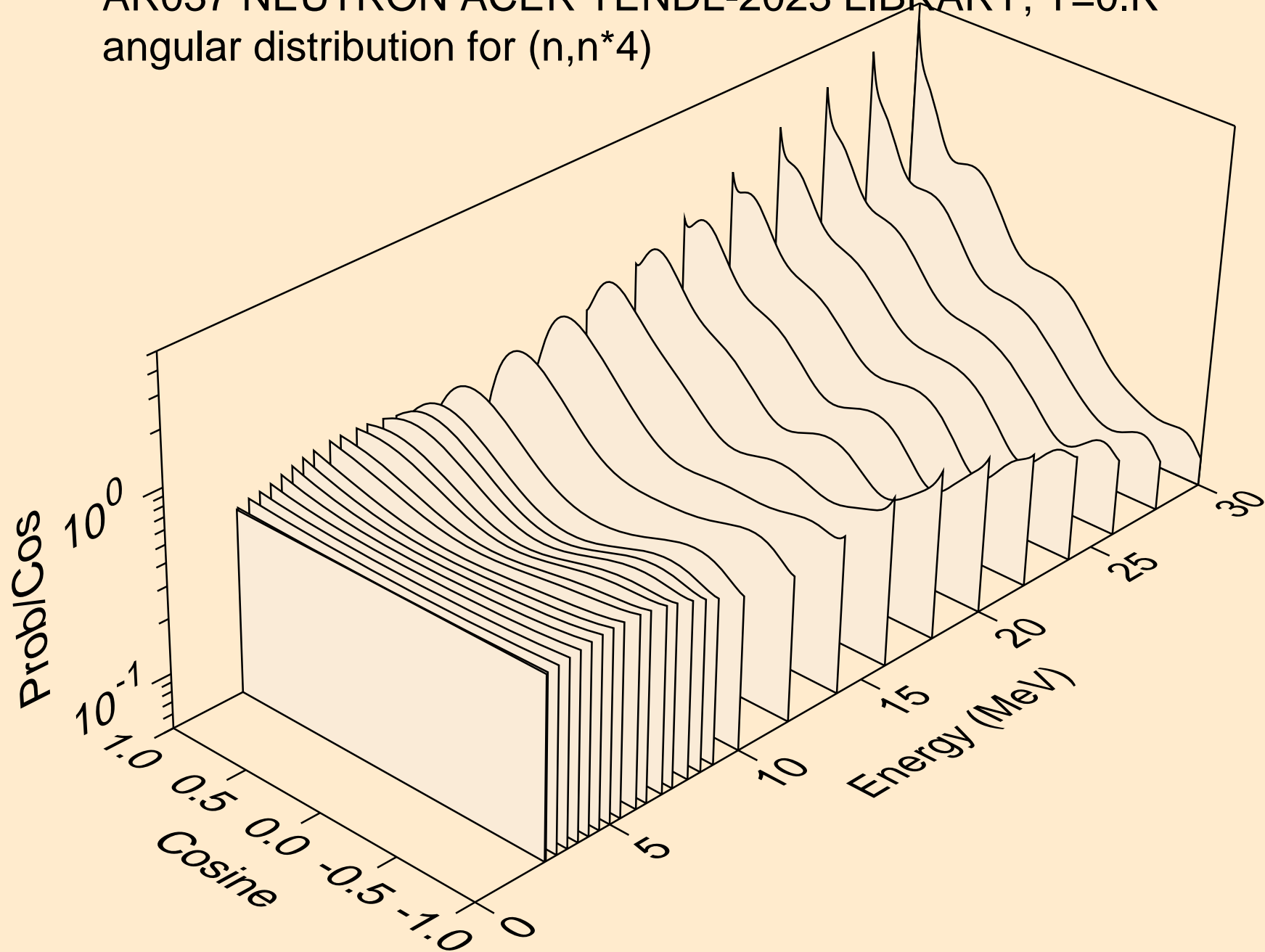


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angular distribution for (n,n\*3)

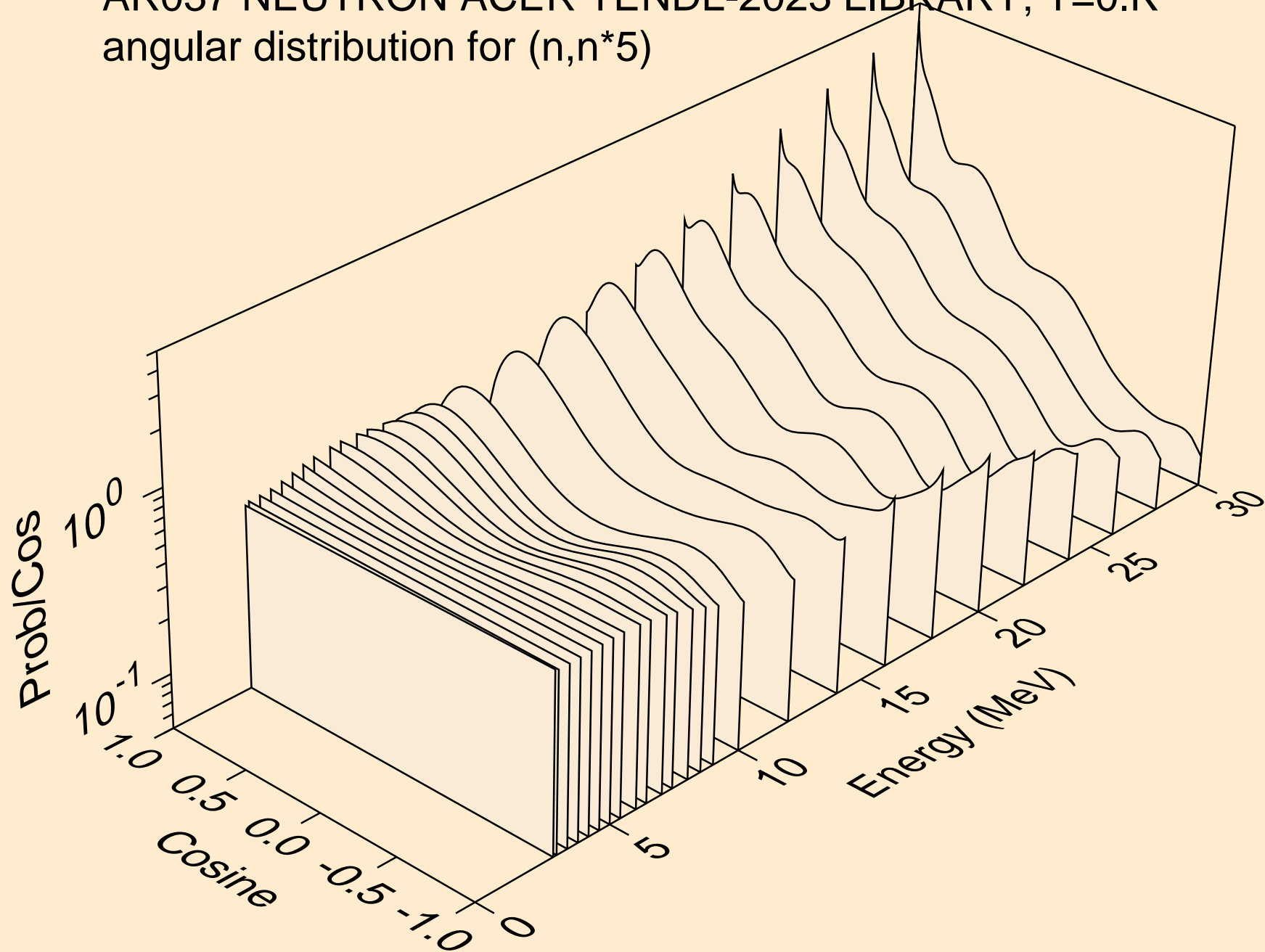




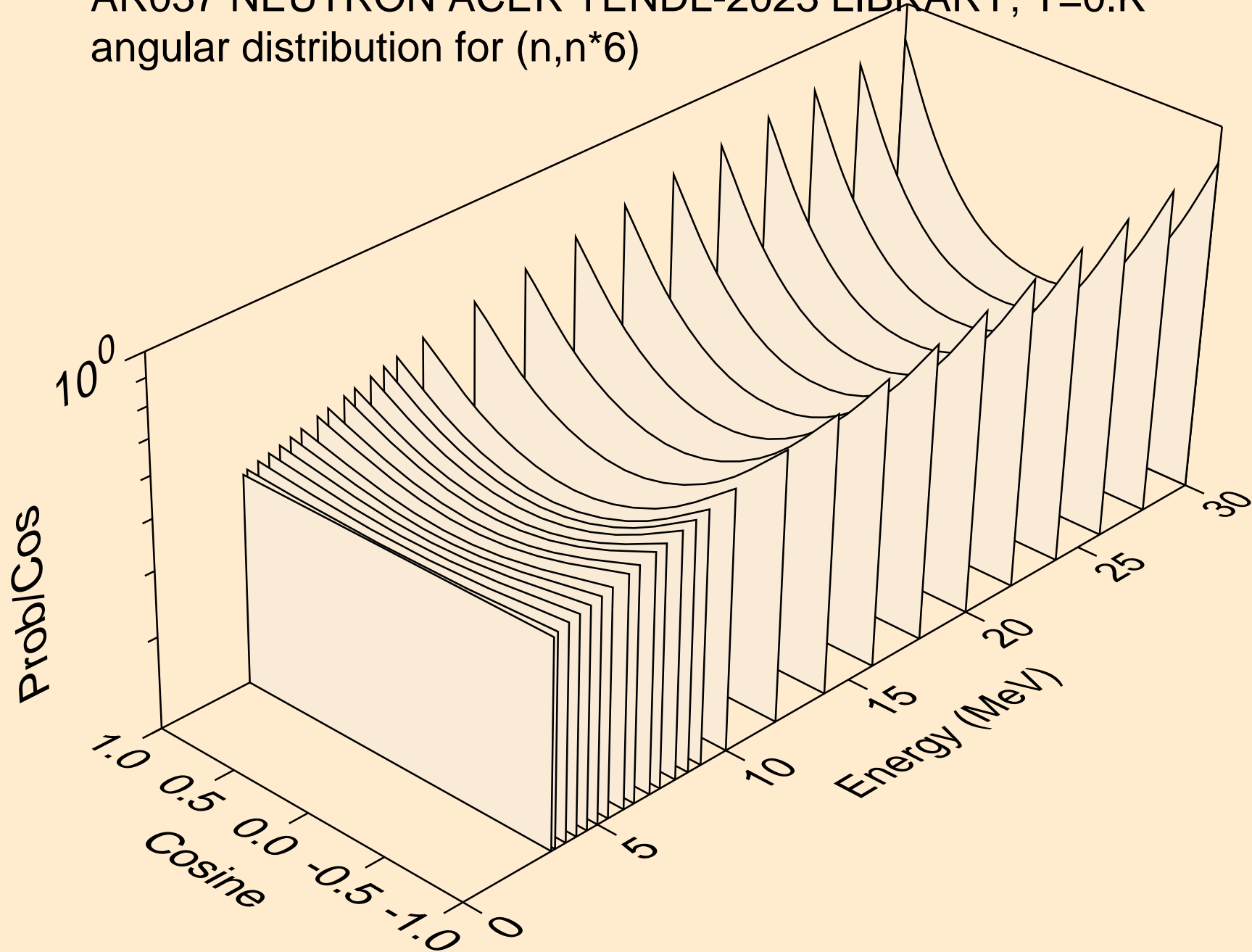
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angular distribution for (n,n\*4)



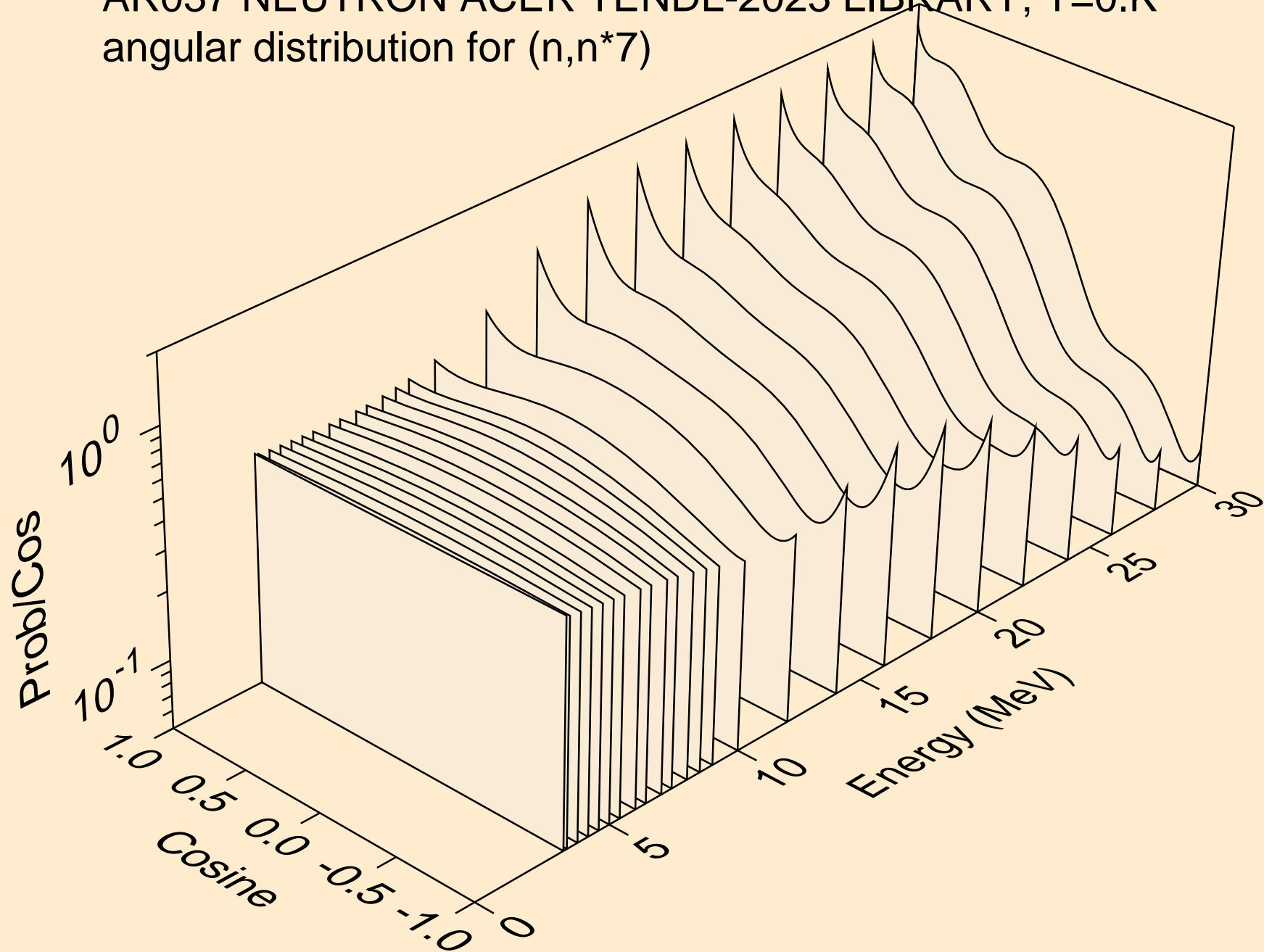
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angular distribution for (n,n\*5)



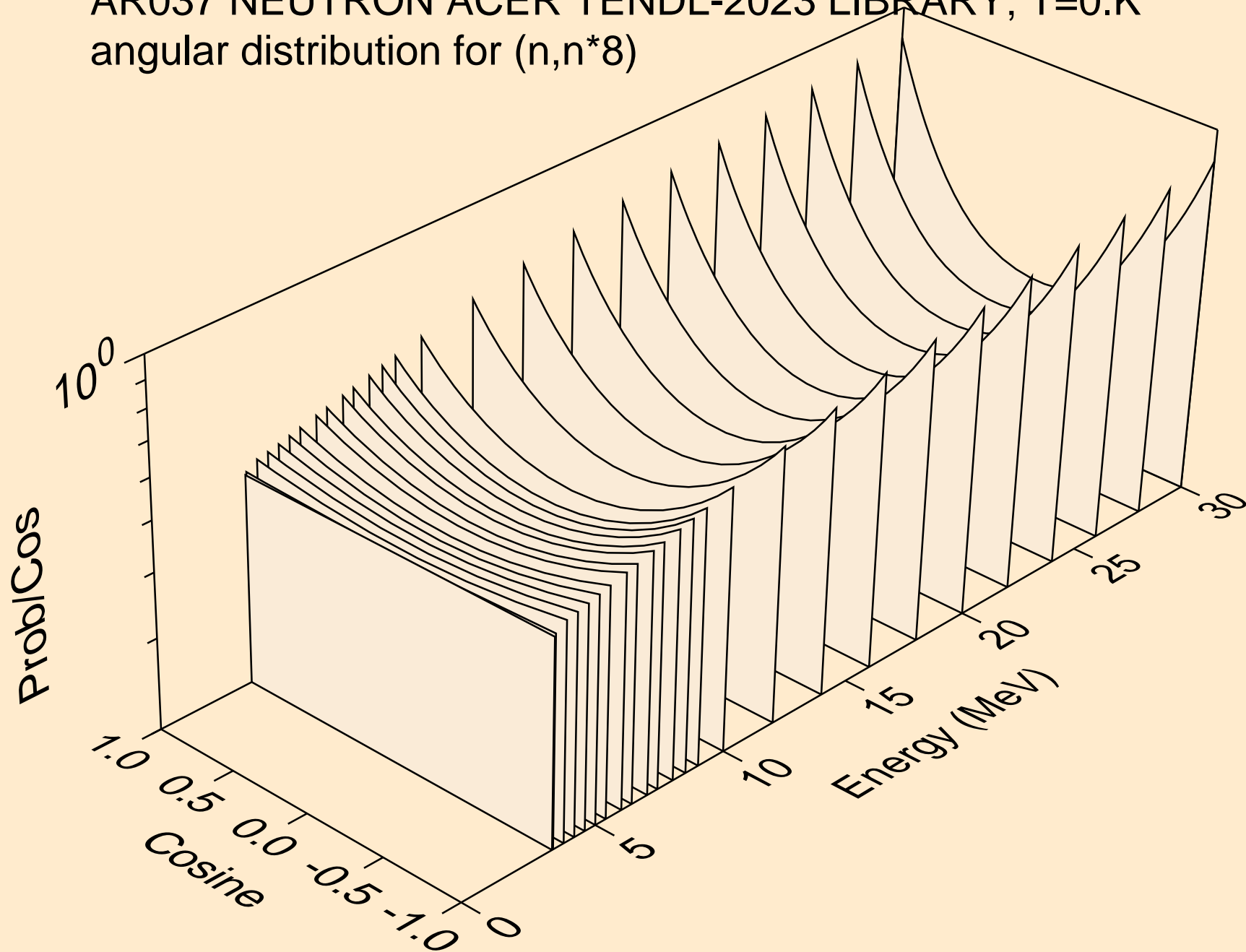
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angular distribution for (n,n\*6)



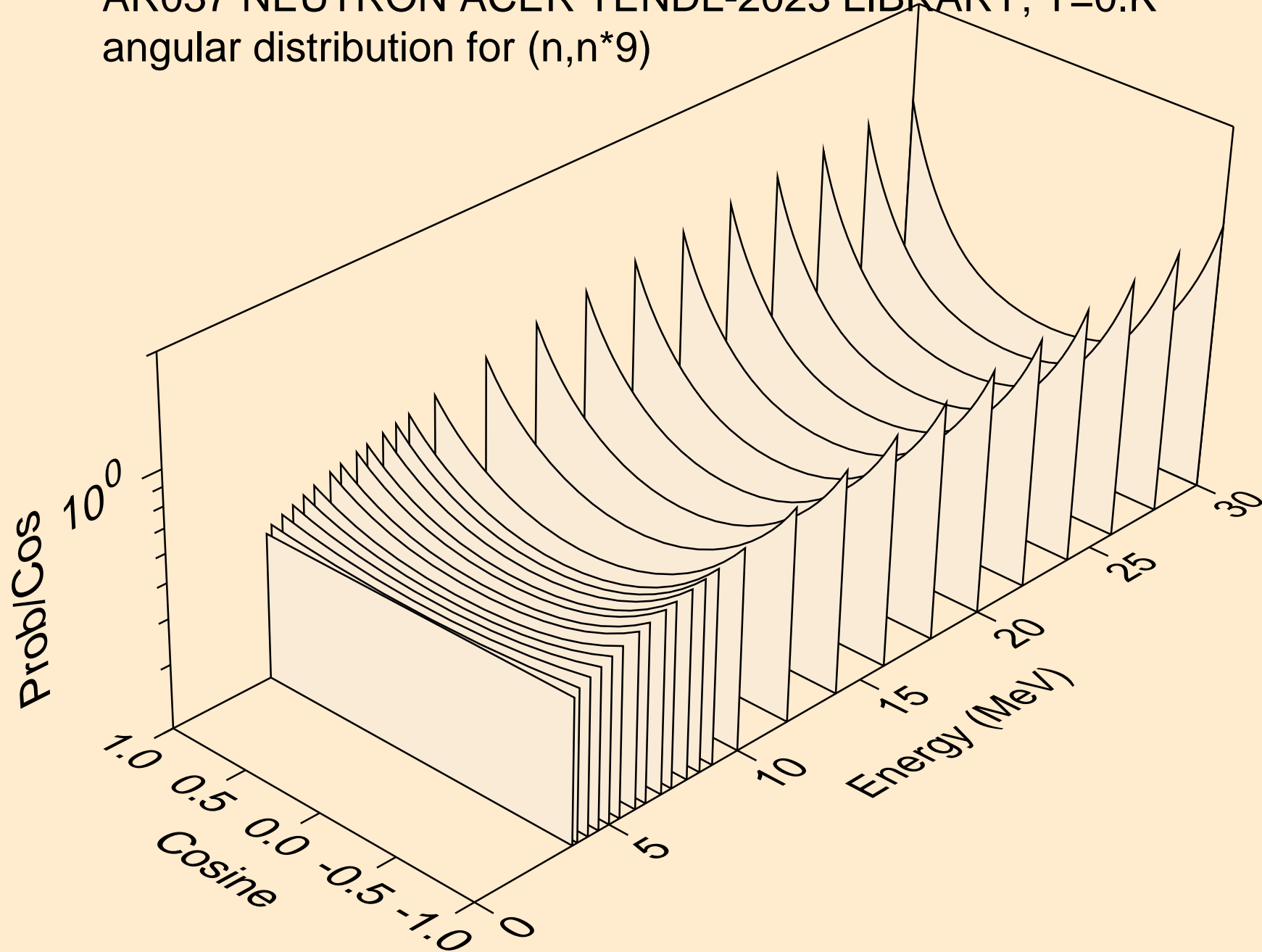
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angular distribution for (n,n\*7)



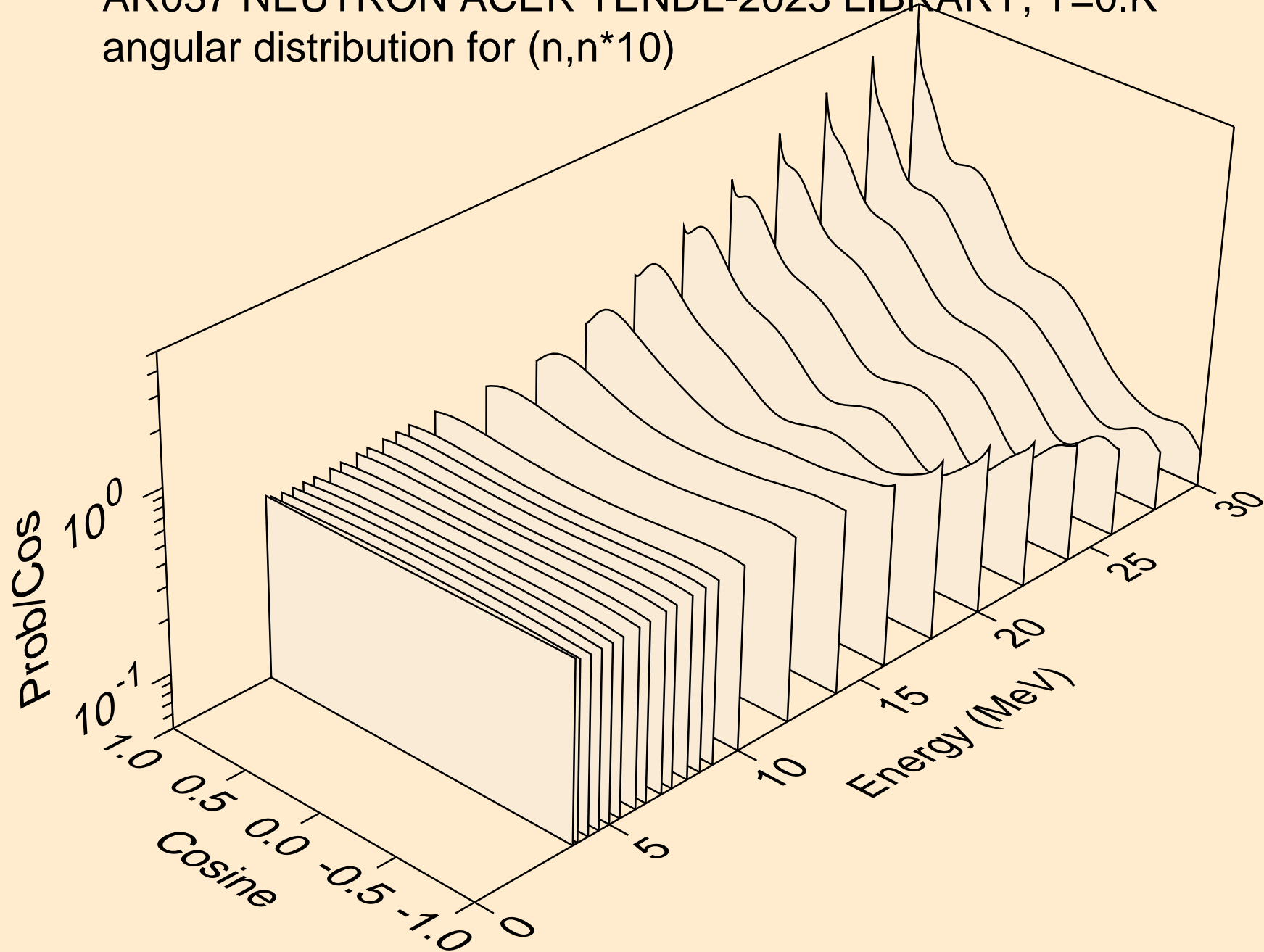
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angular distribution for (n,n\*8)



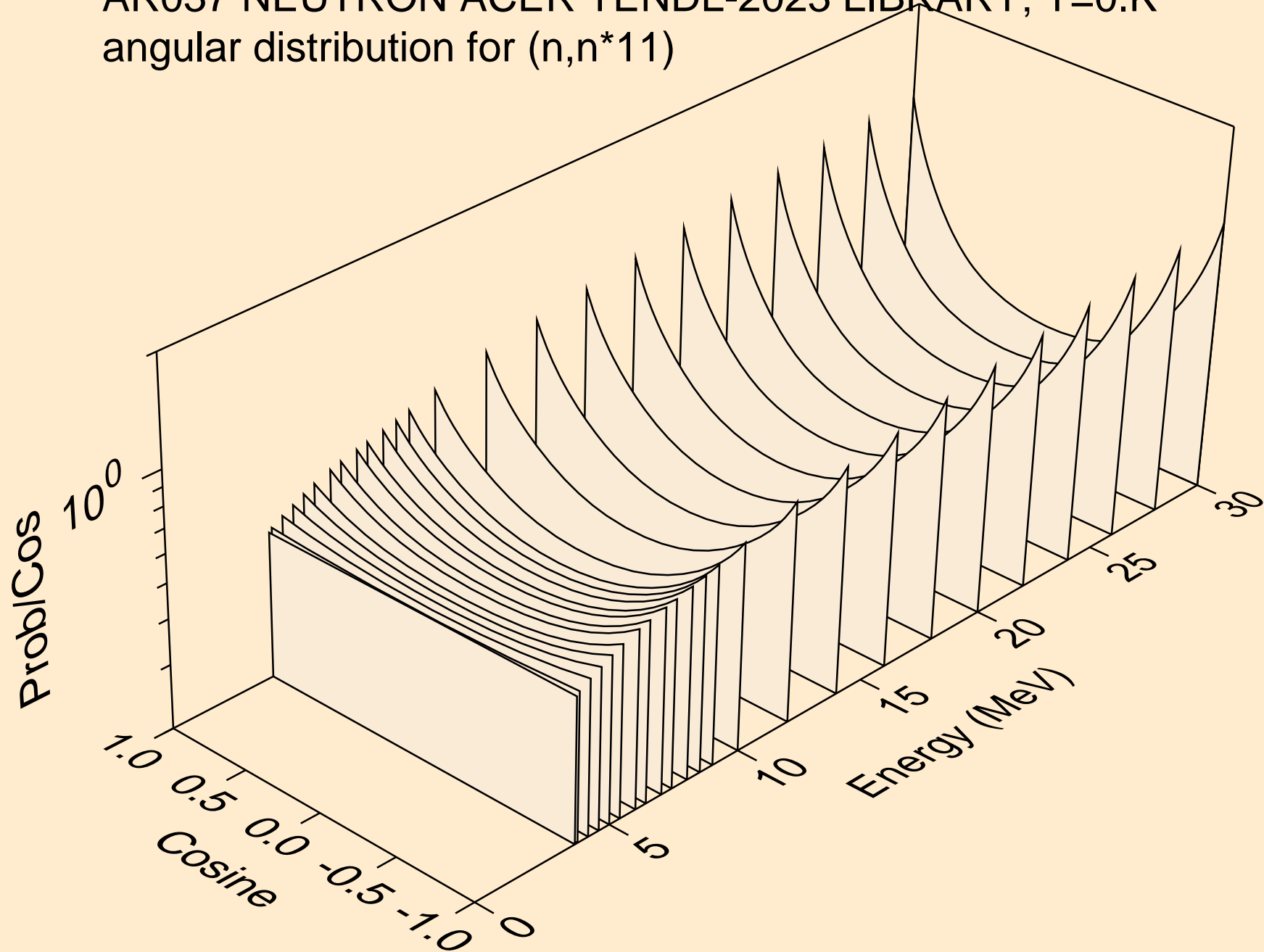
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angular distribution for (n,n\*9)



AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

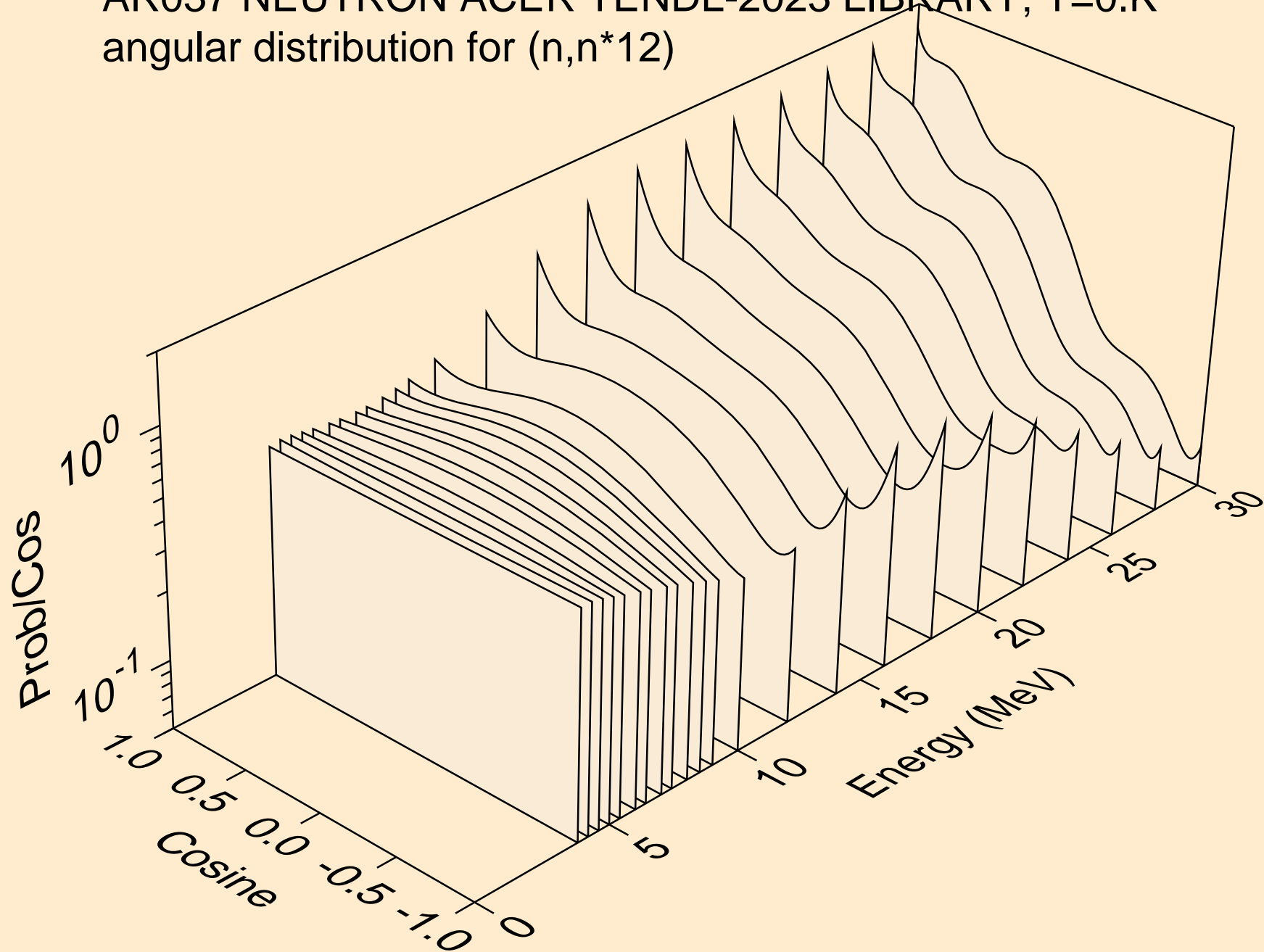


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angular distribution for (n,n\*11)

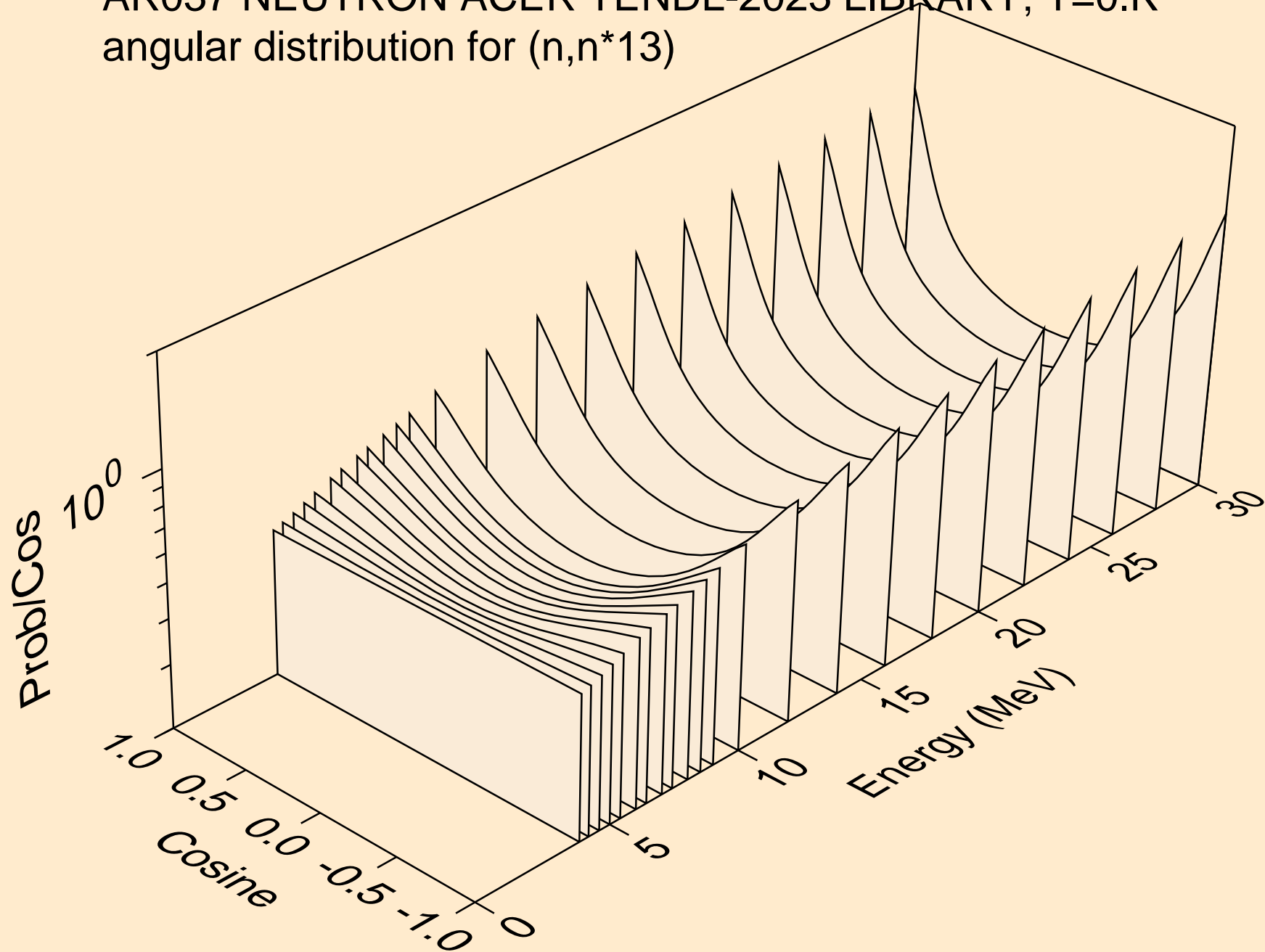




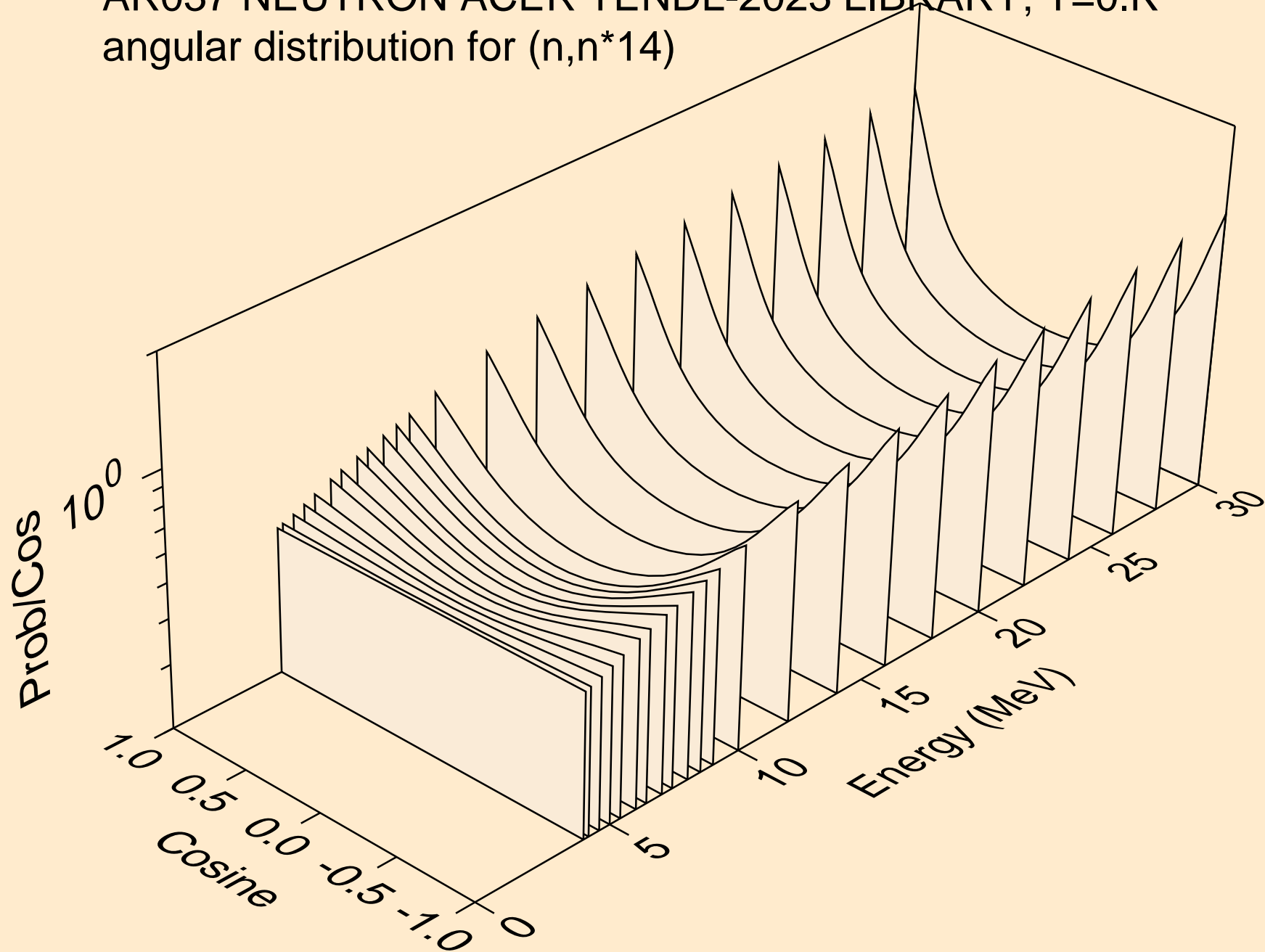
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angular distribution for (n,n\*12)



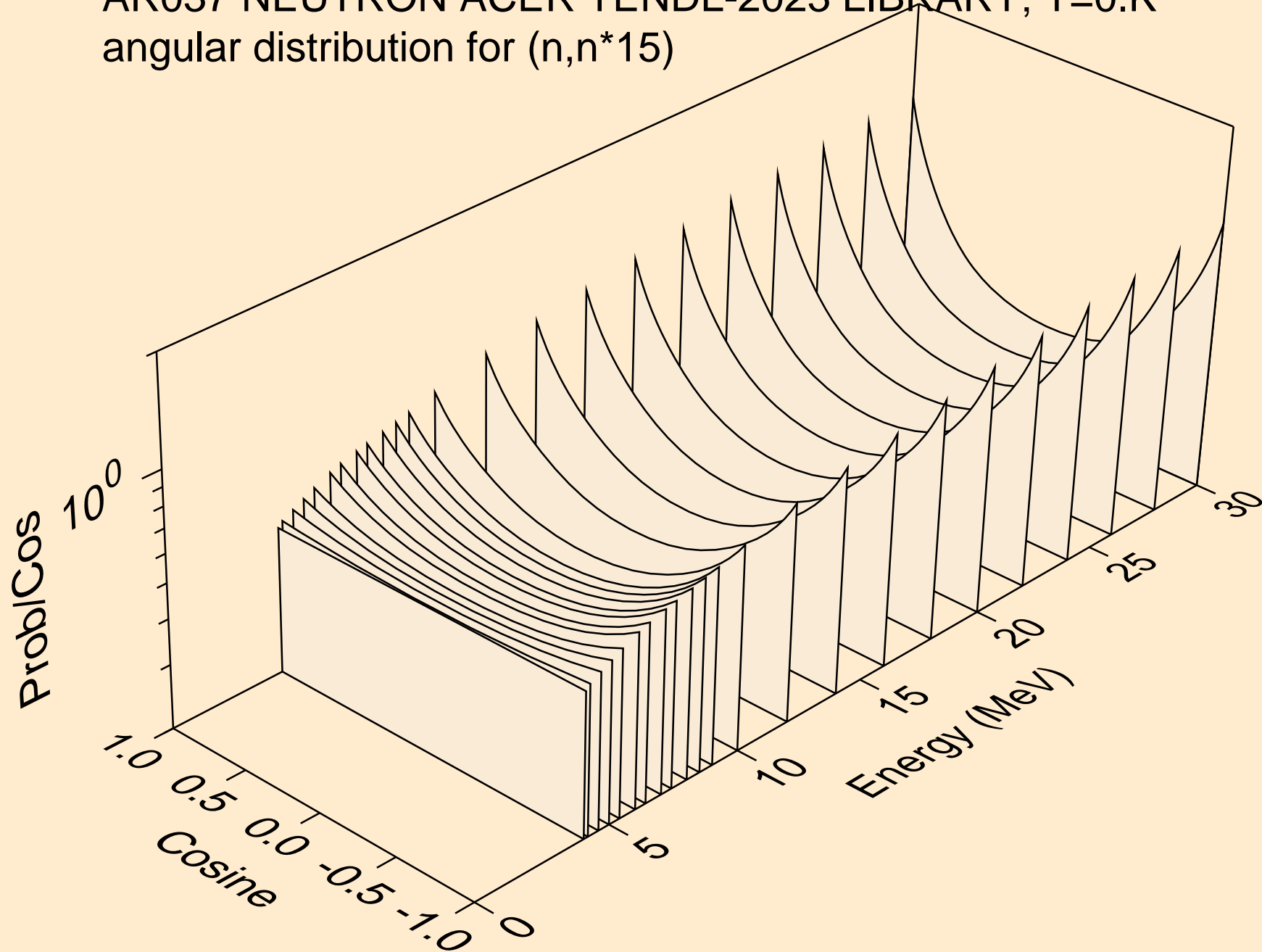
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angular distribution for (n,n\*13)



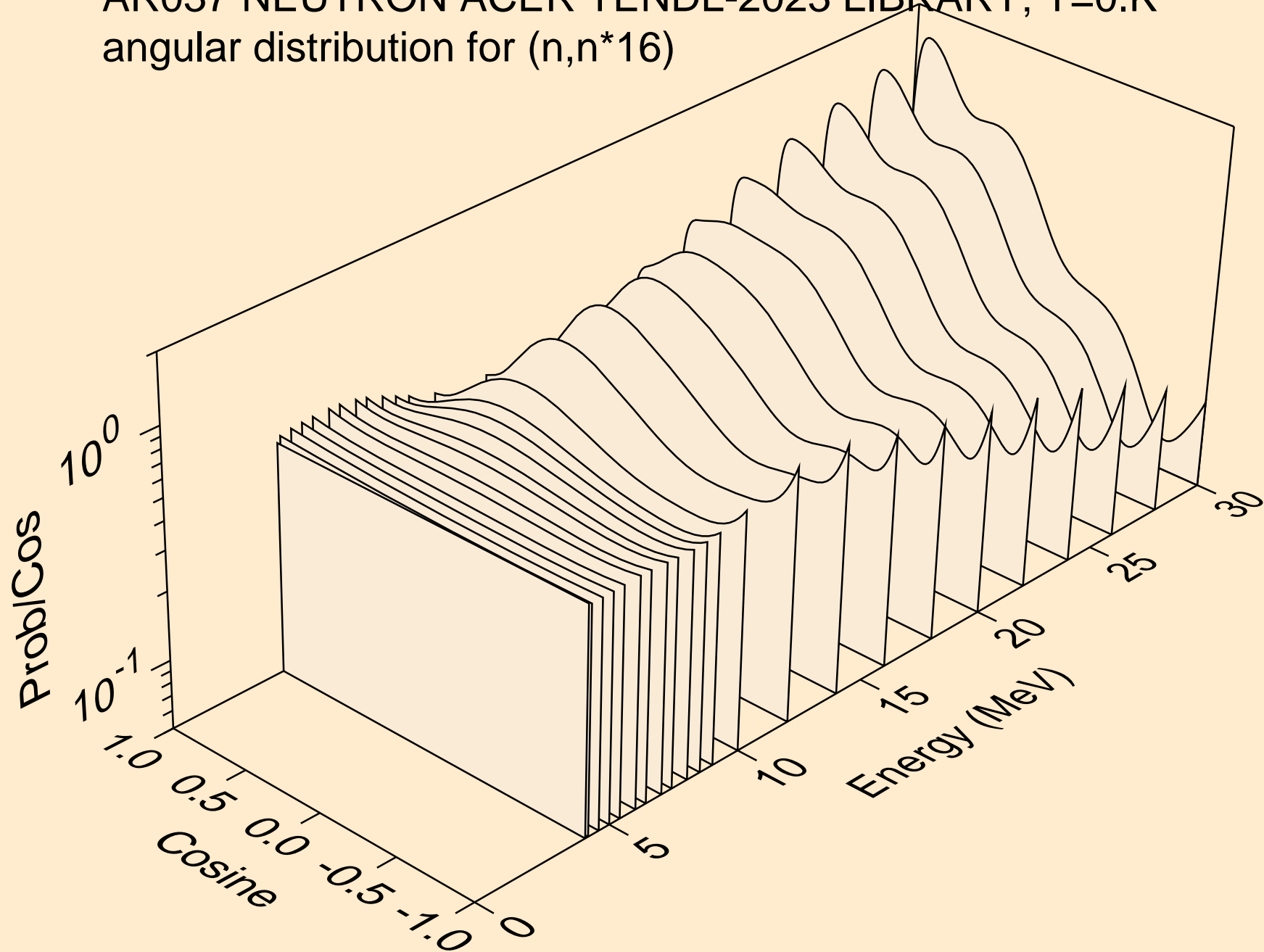
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angular distribution for (n,n\*14)



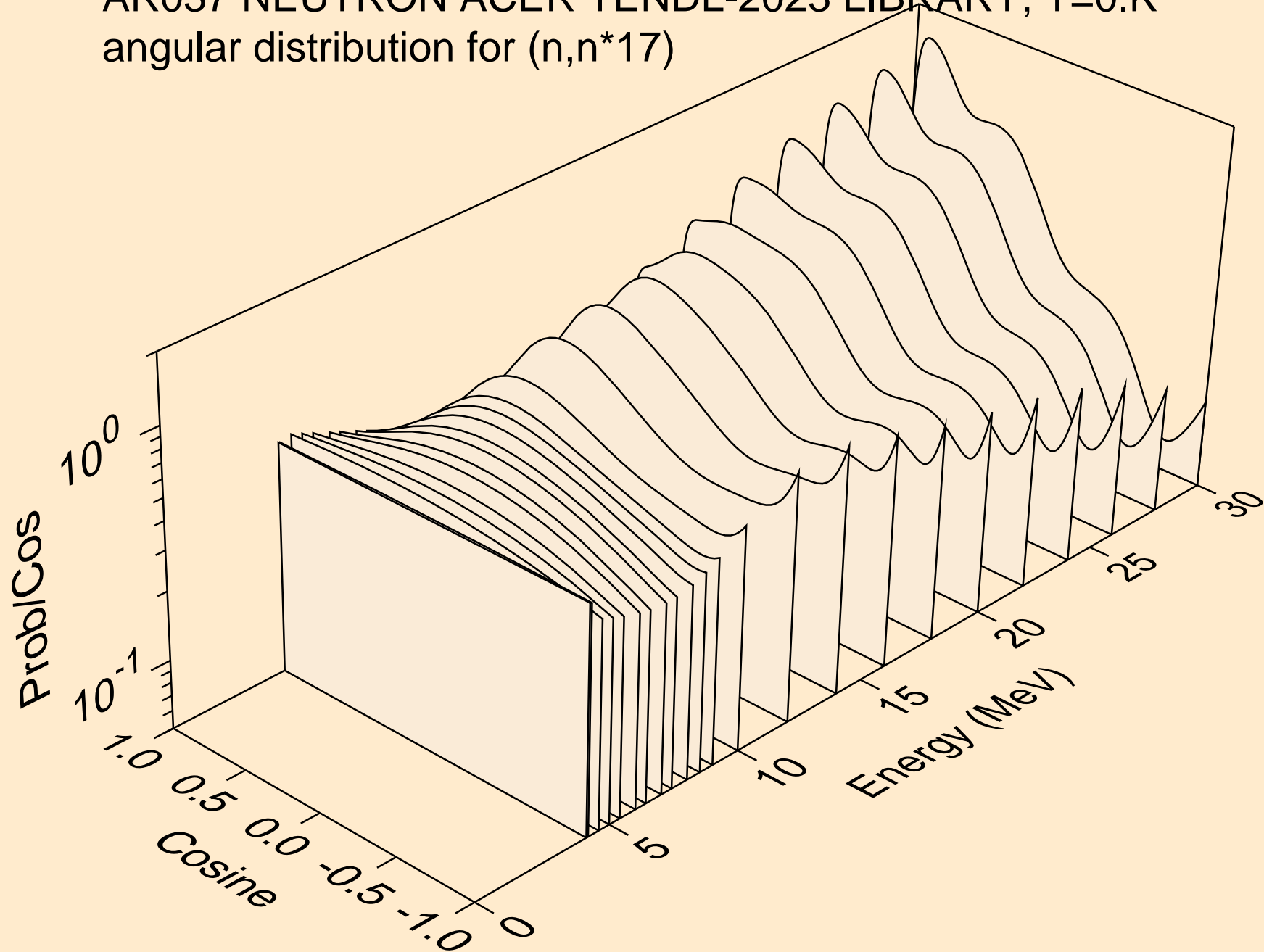
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angular distribution for (n,n\*15)



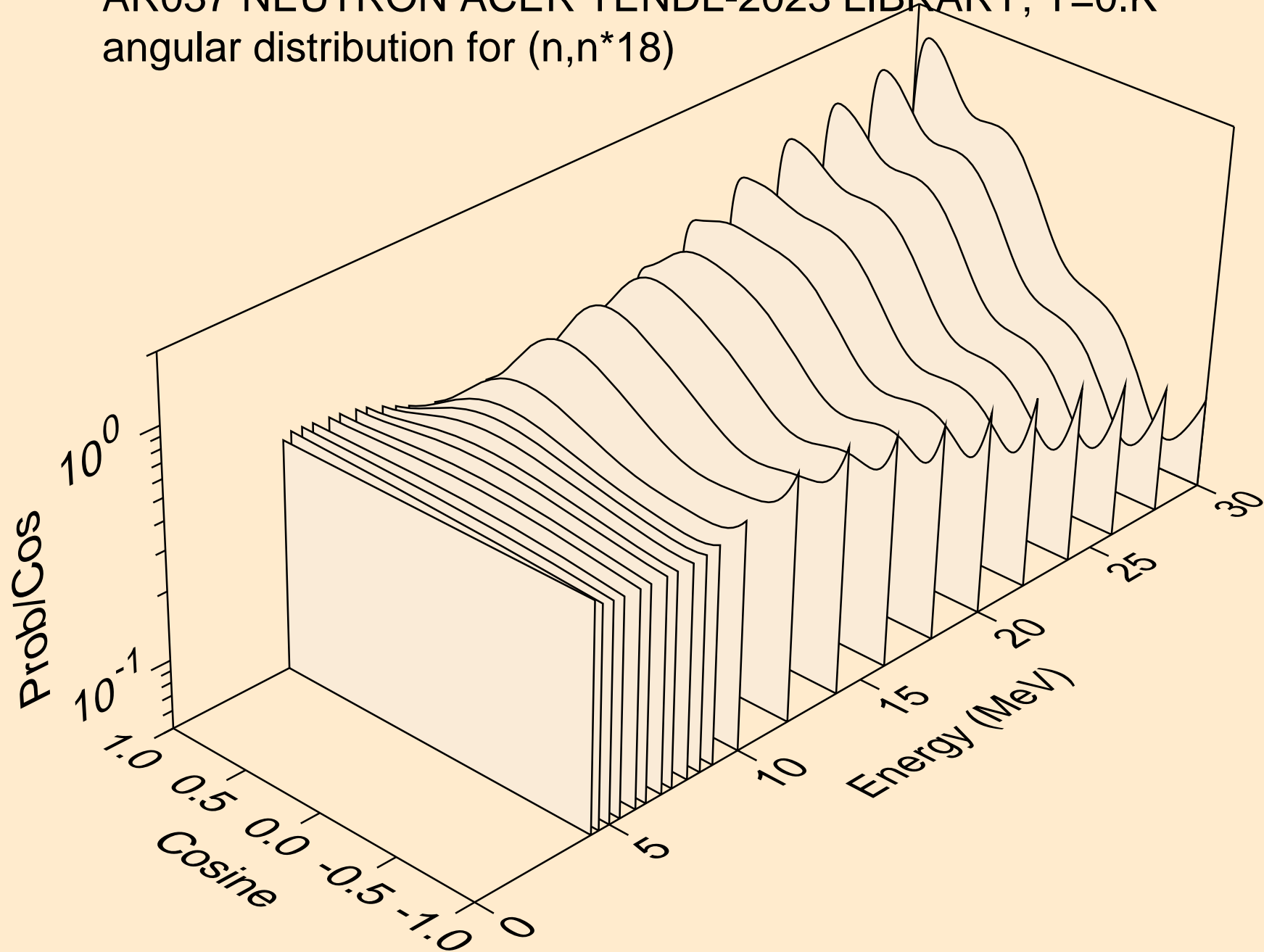
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angular distribution for (n,n\*16)



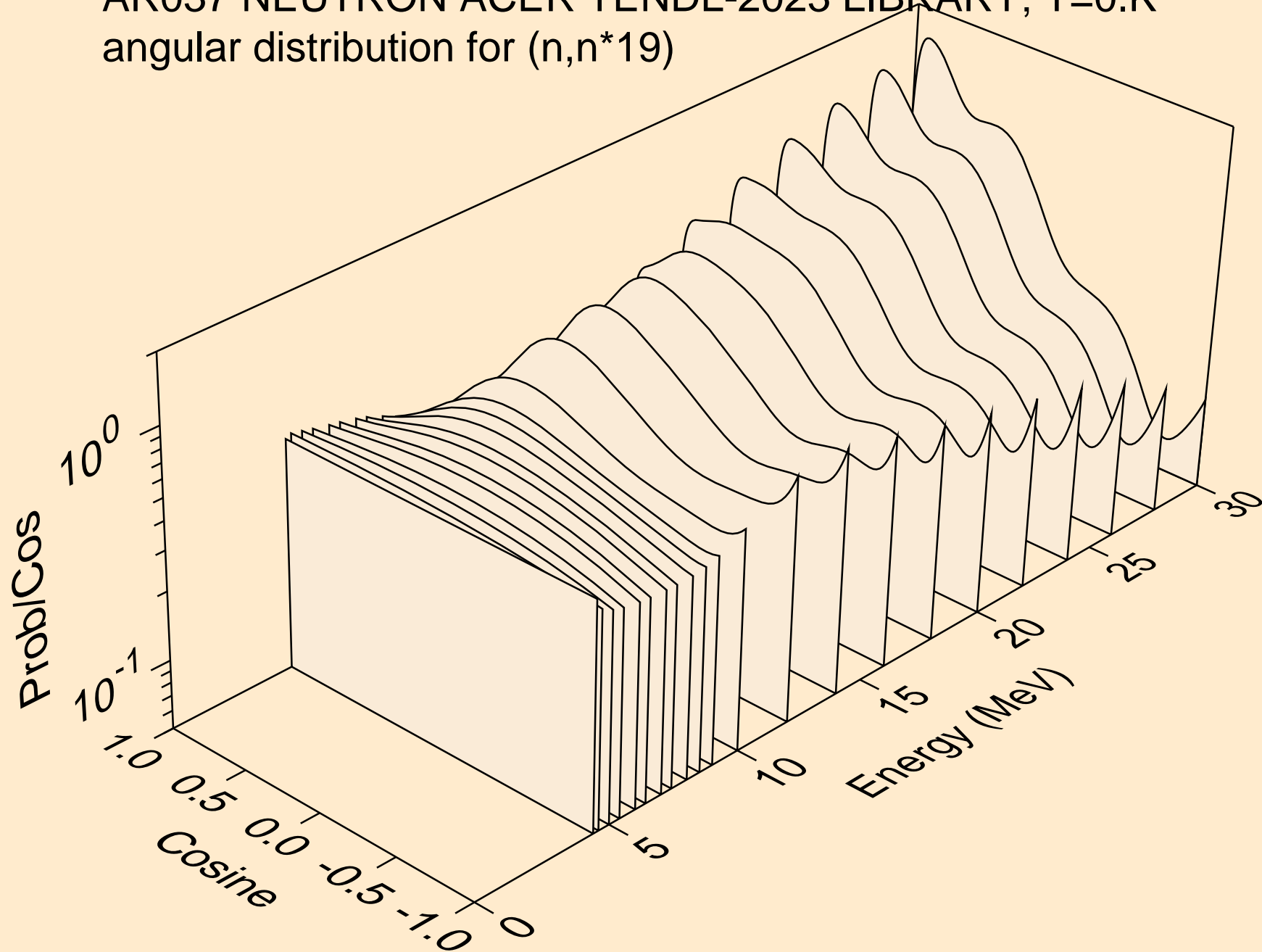
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angular distribution for (n,n\*17)



AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*18)

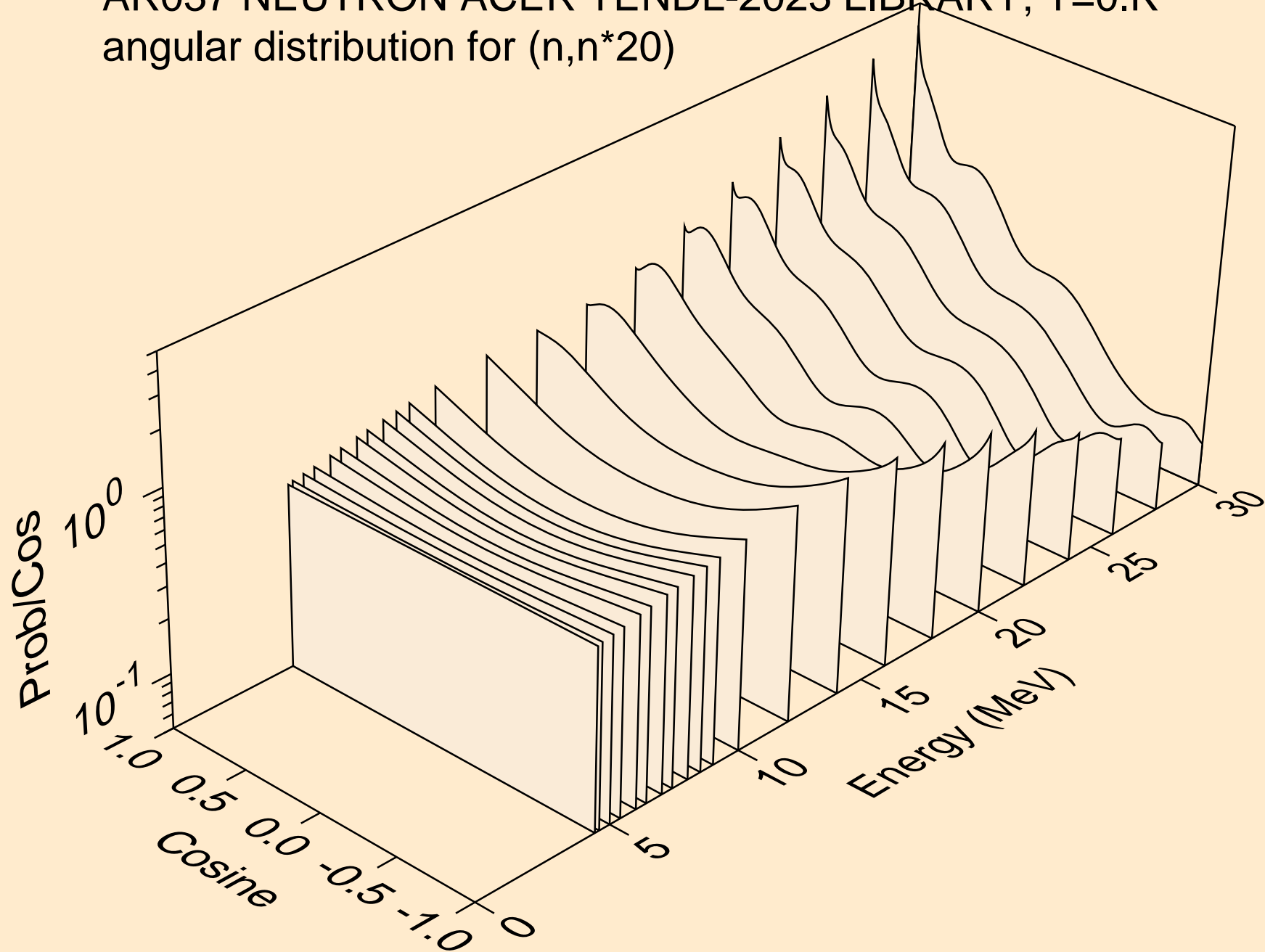


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angular distribution for (n,n\*19)

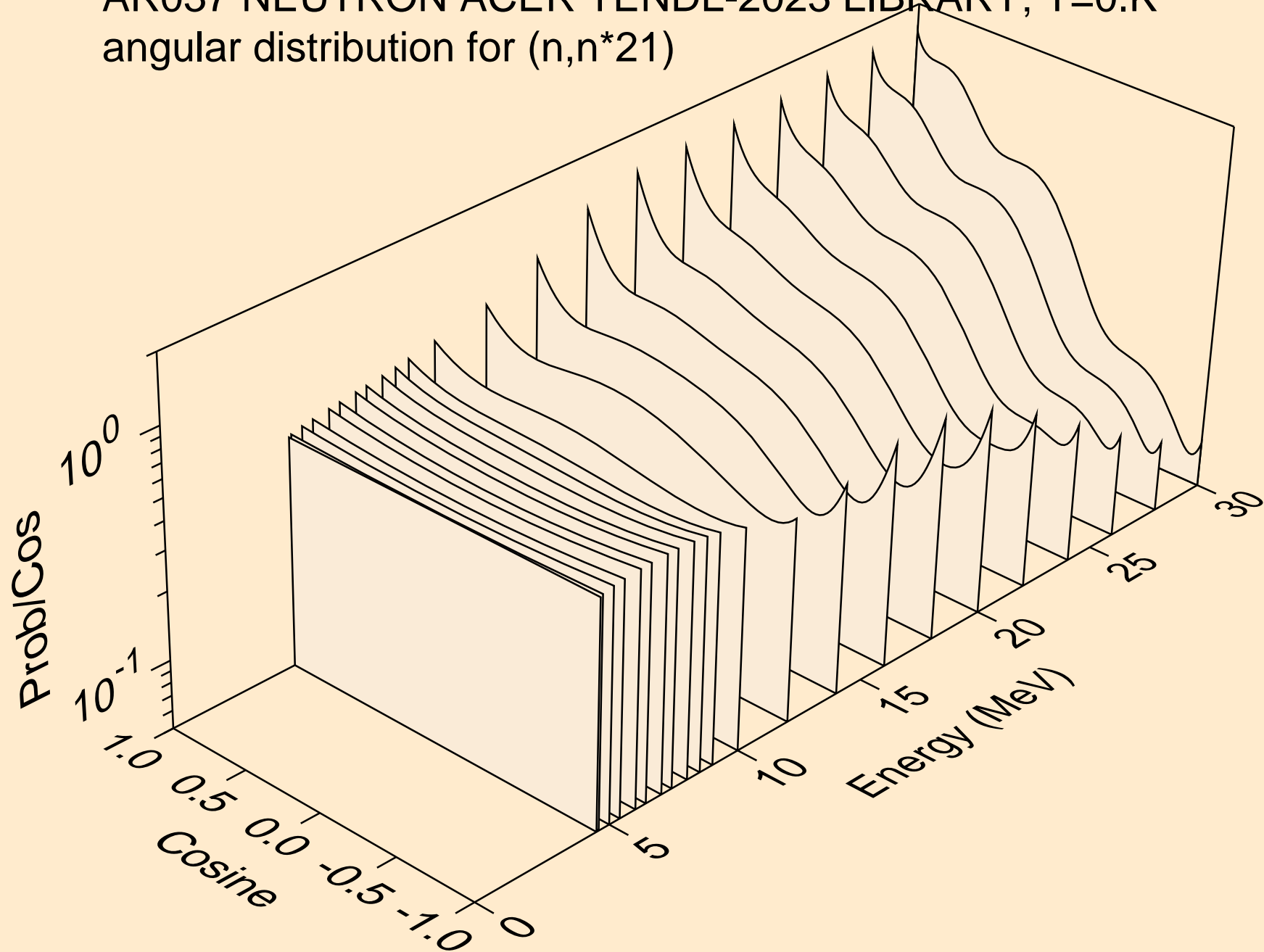




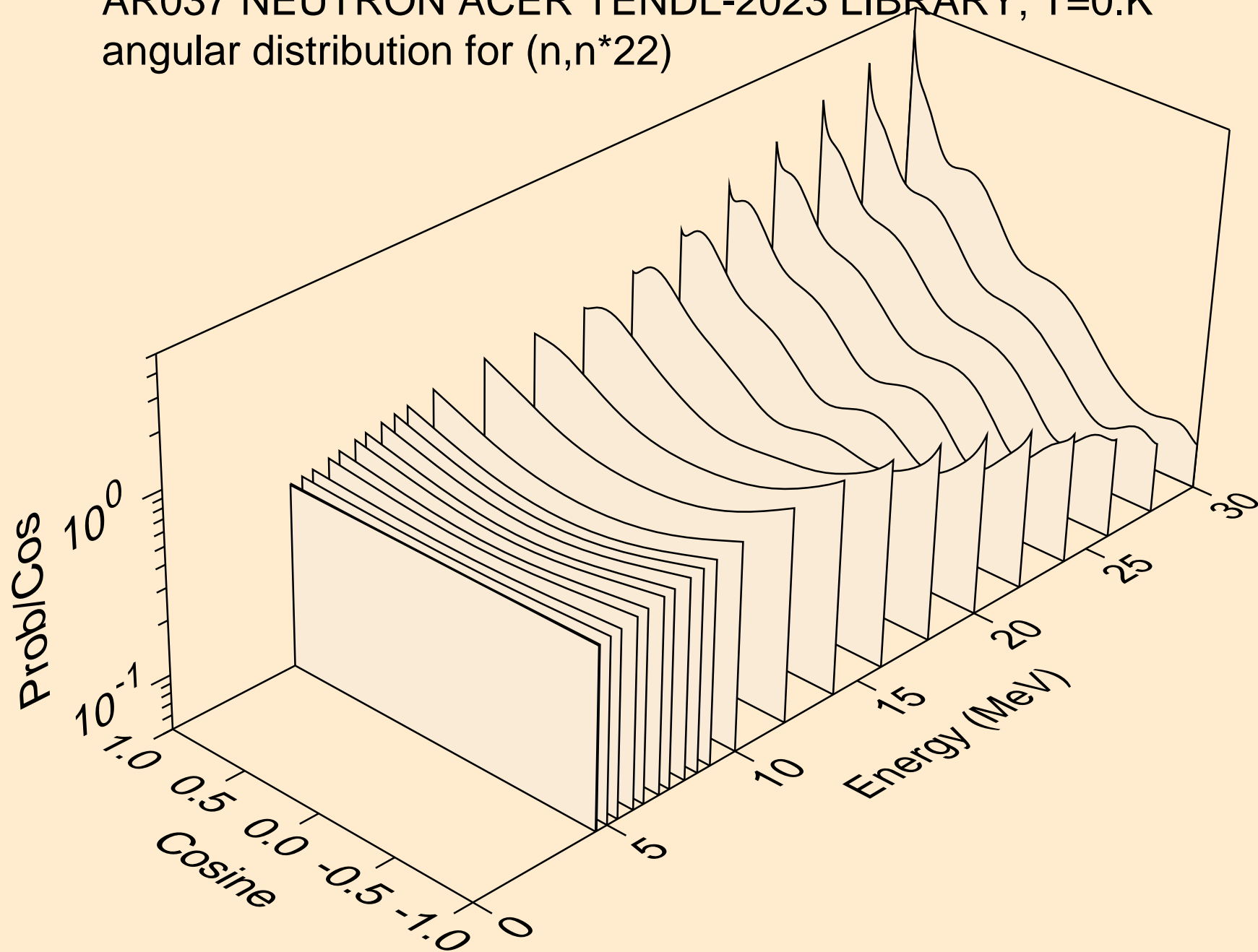
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angular distribution for (n,n\*20)



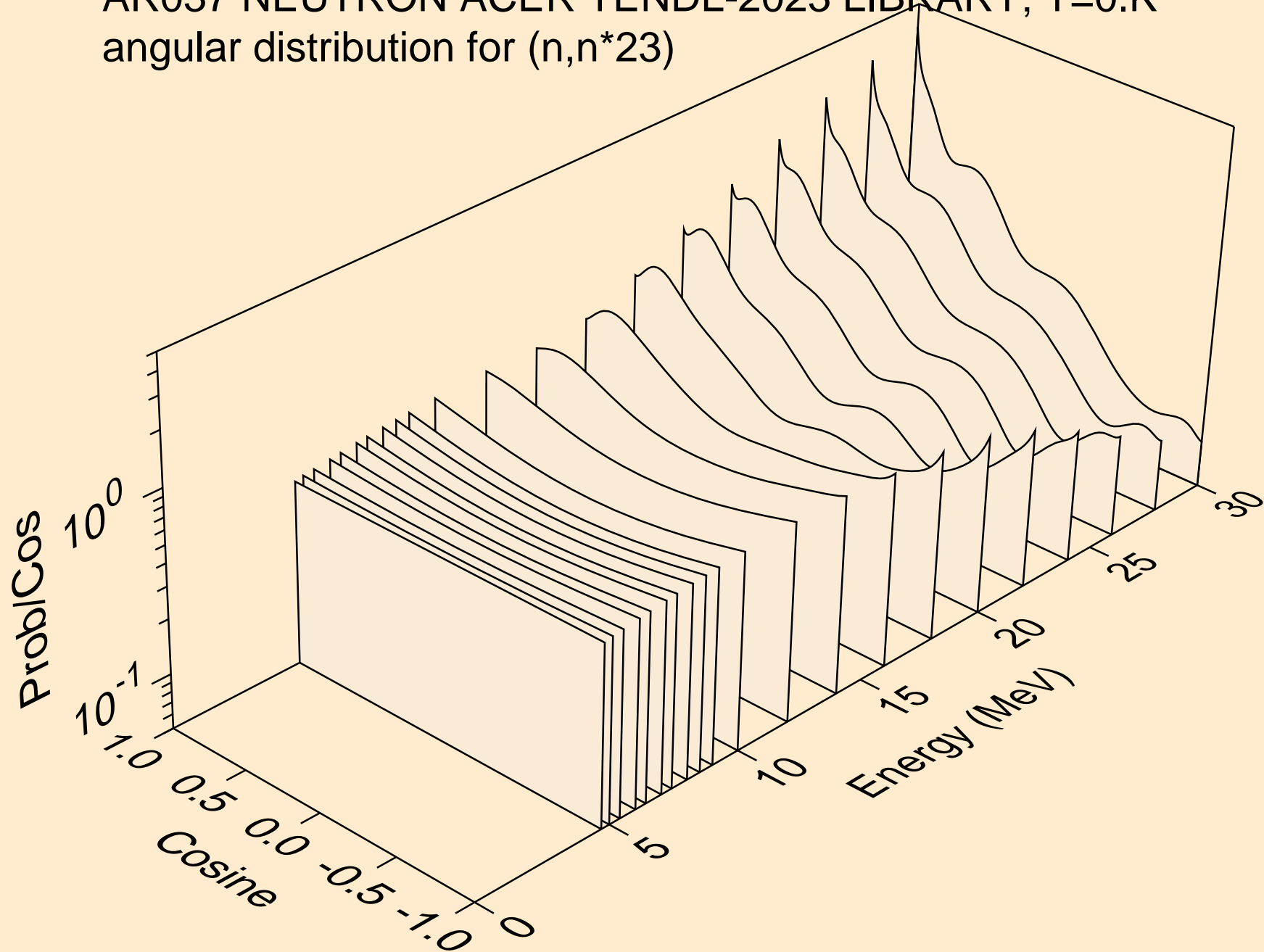
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angular distribution for (n,n\*21)



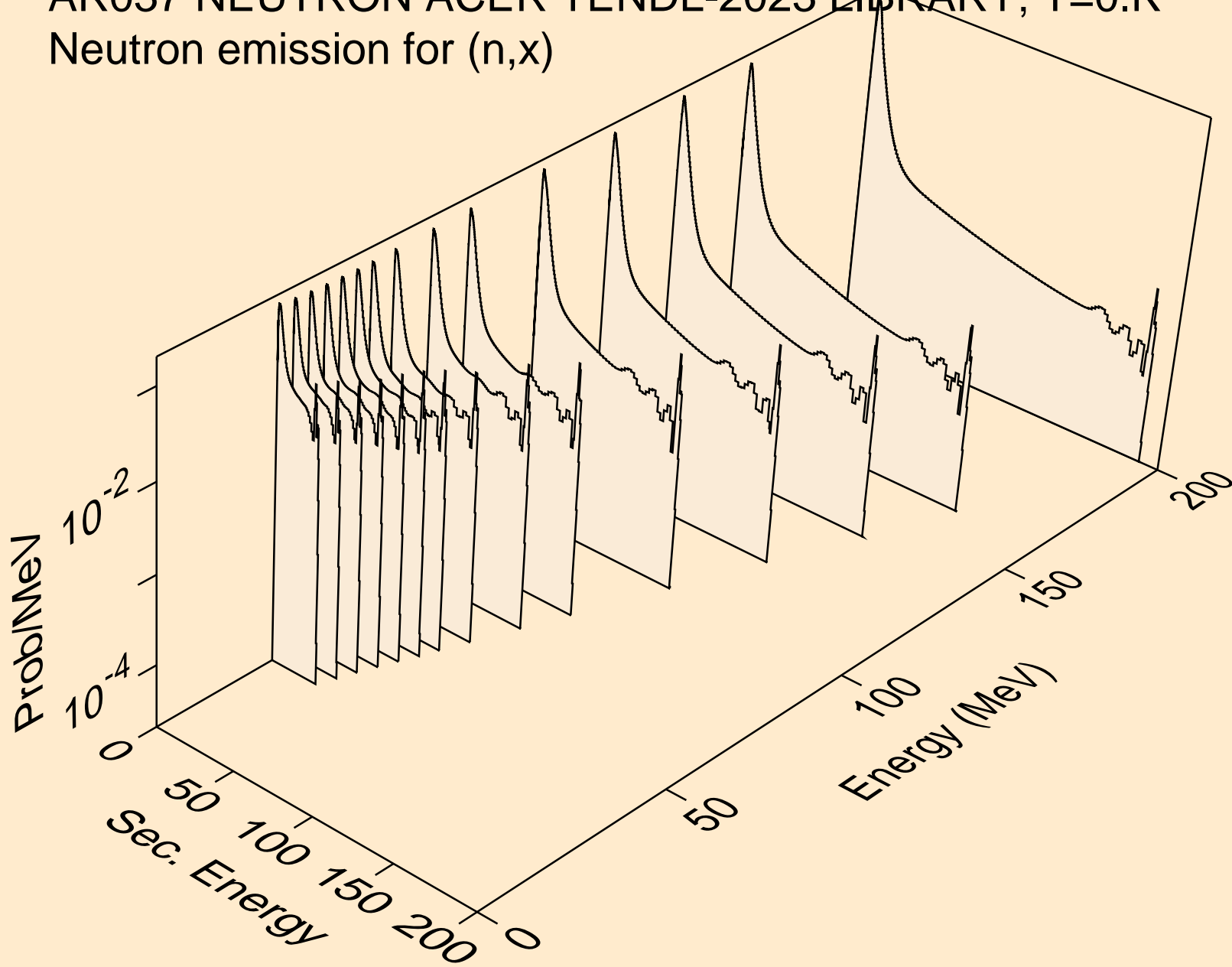
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angular distribution for (n,n\*22)



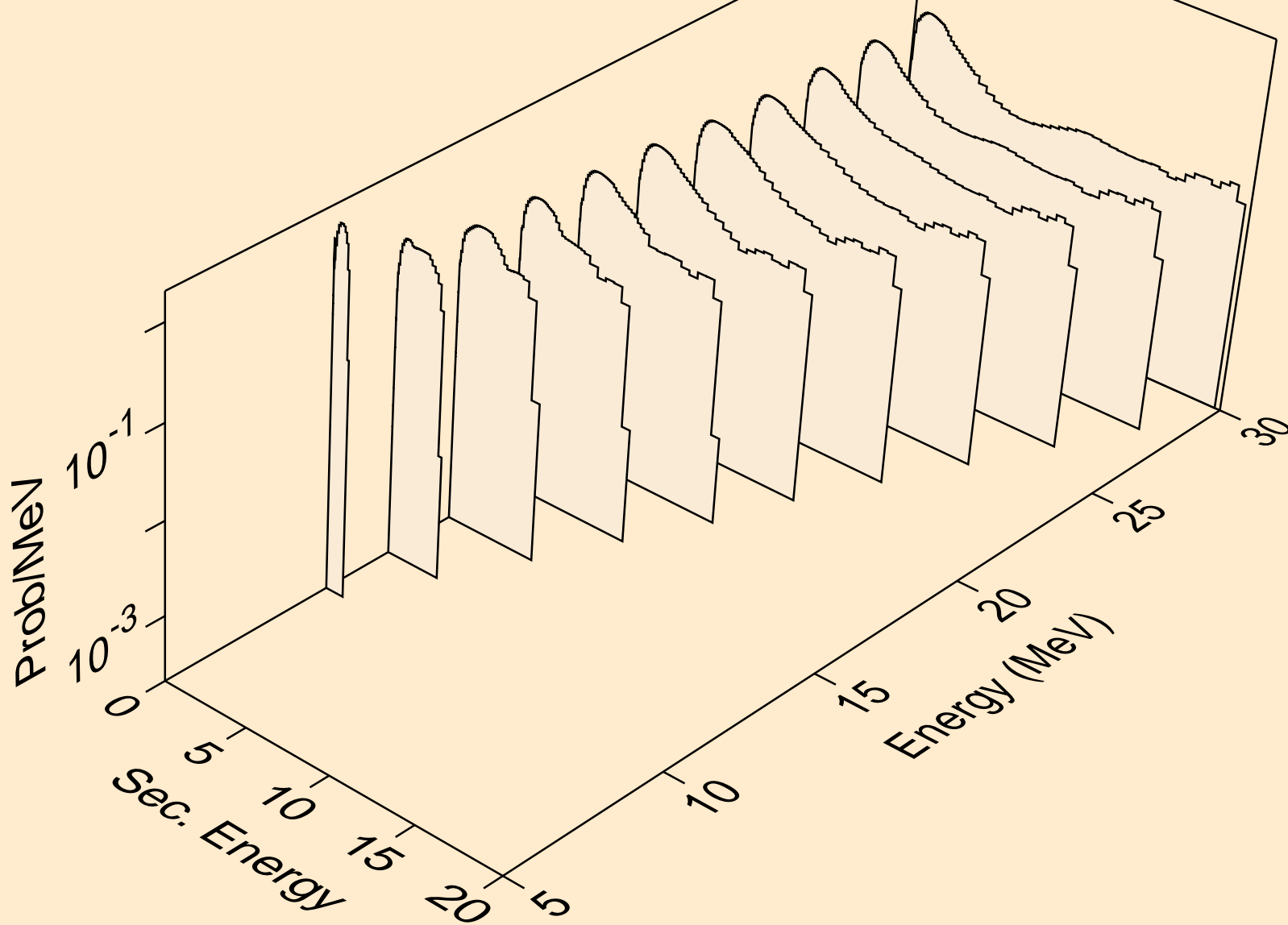
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angular distribution for (n,n\*23)



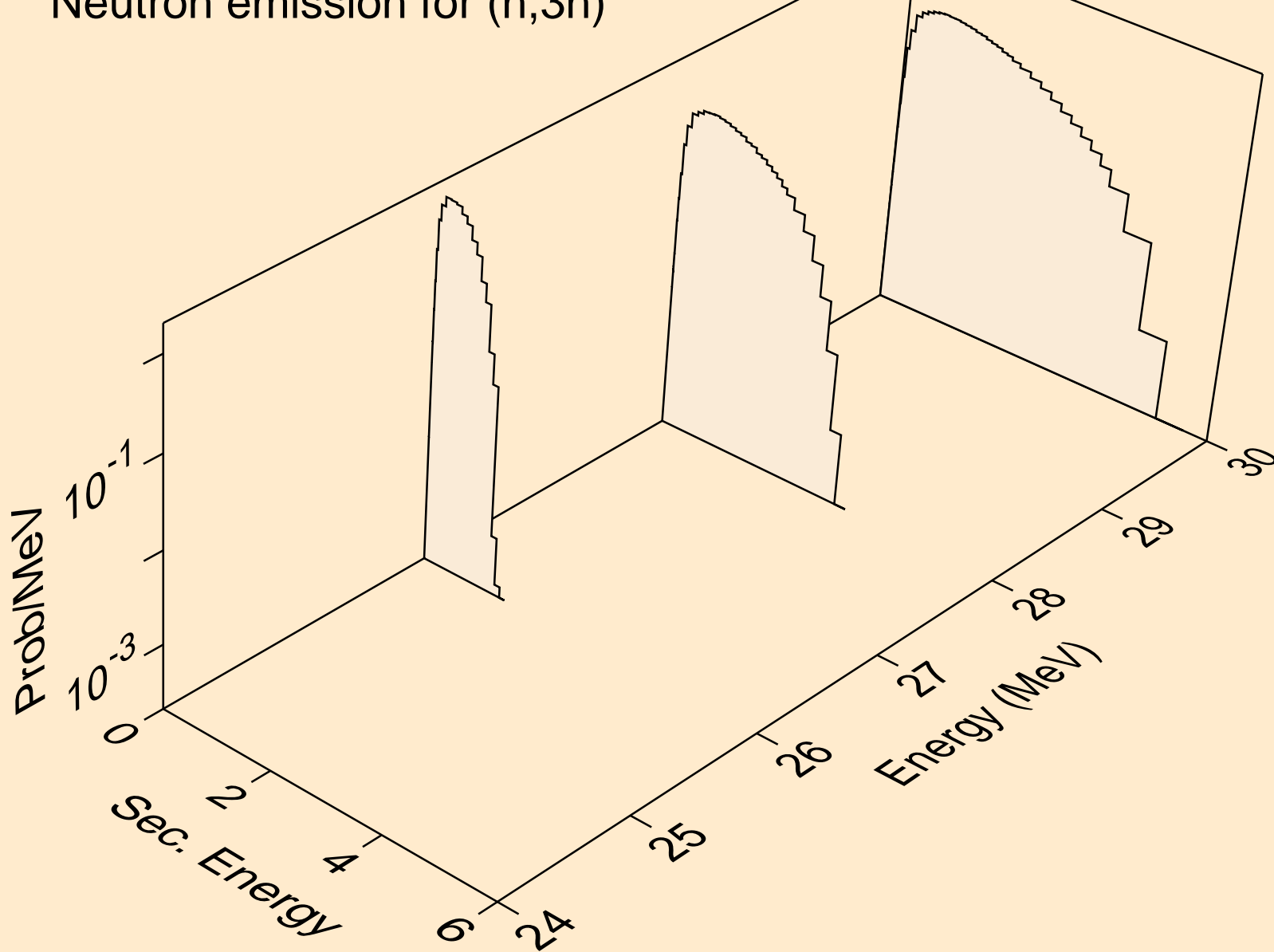
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Neutron emission for (n,x)



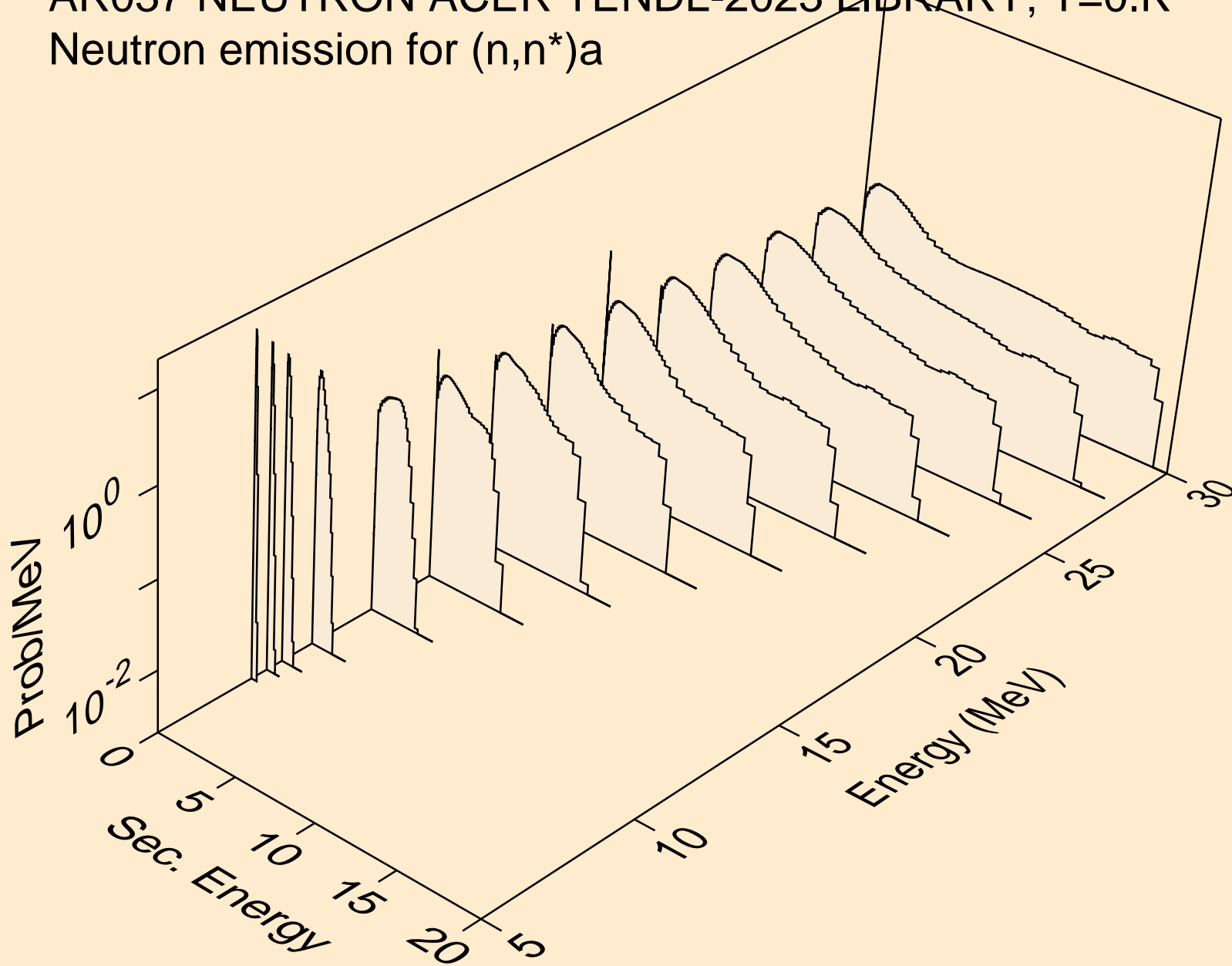
AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)

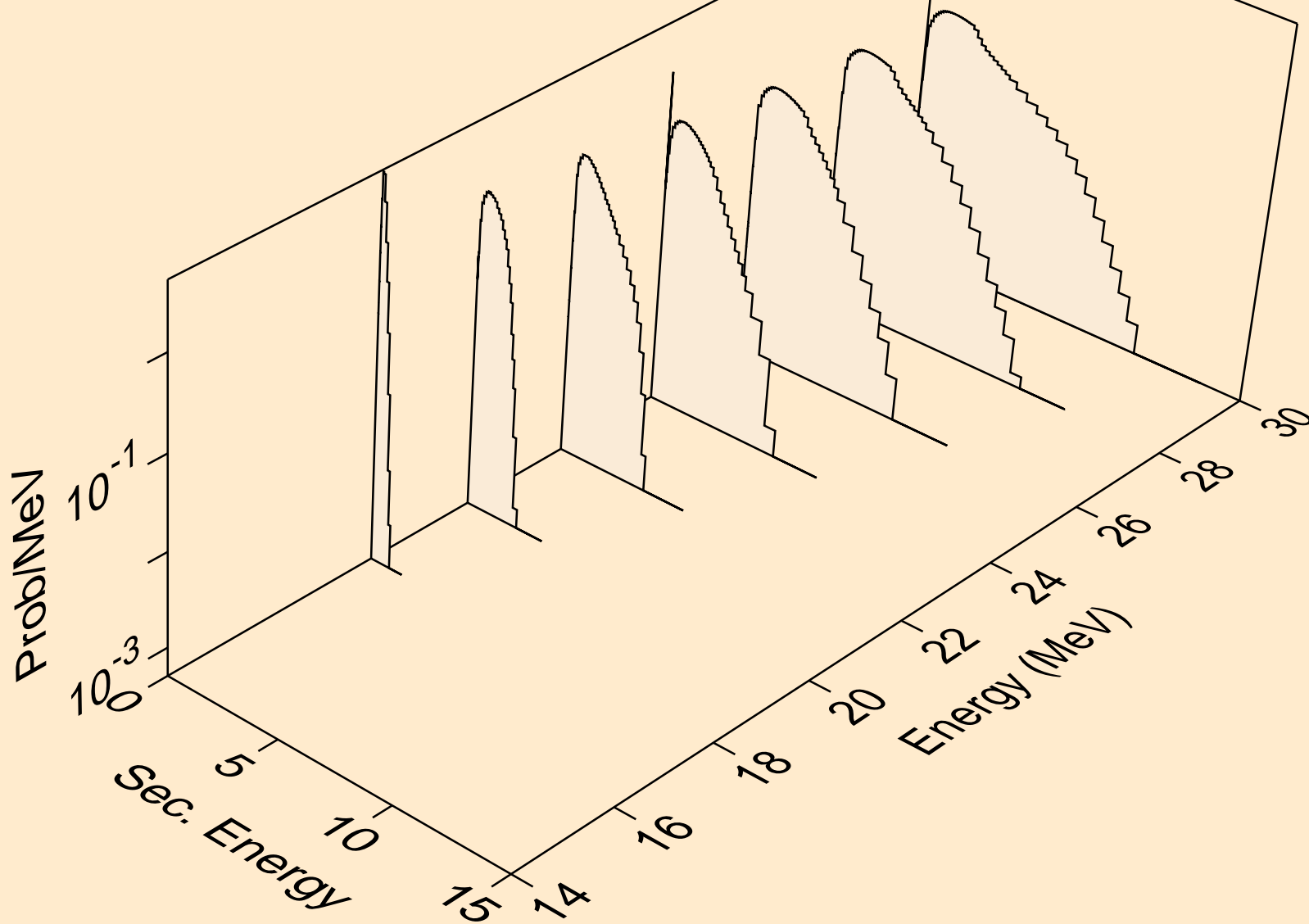


AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

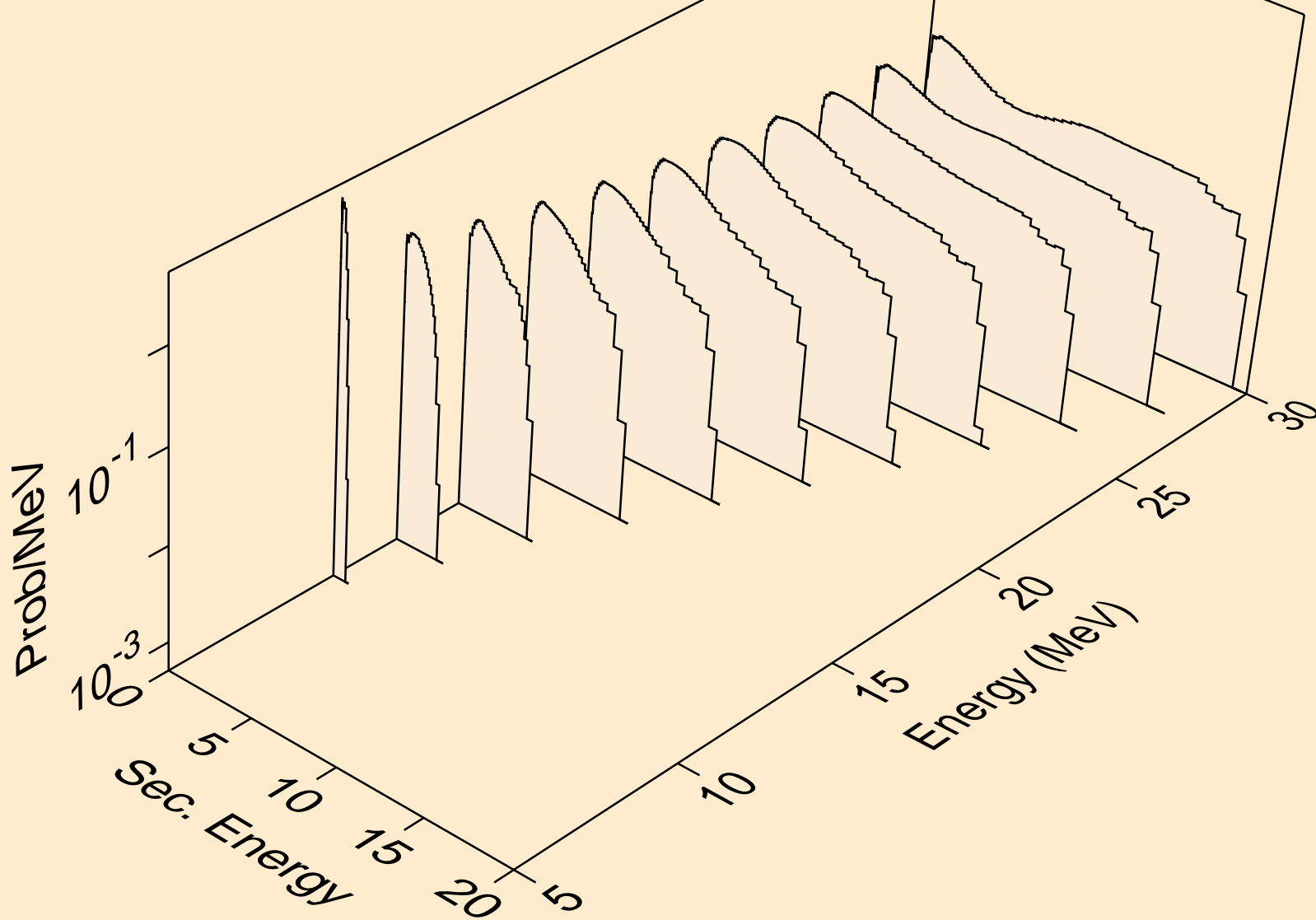




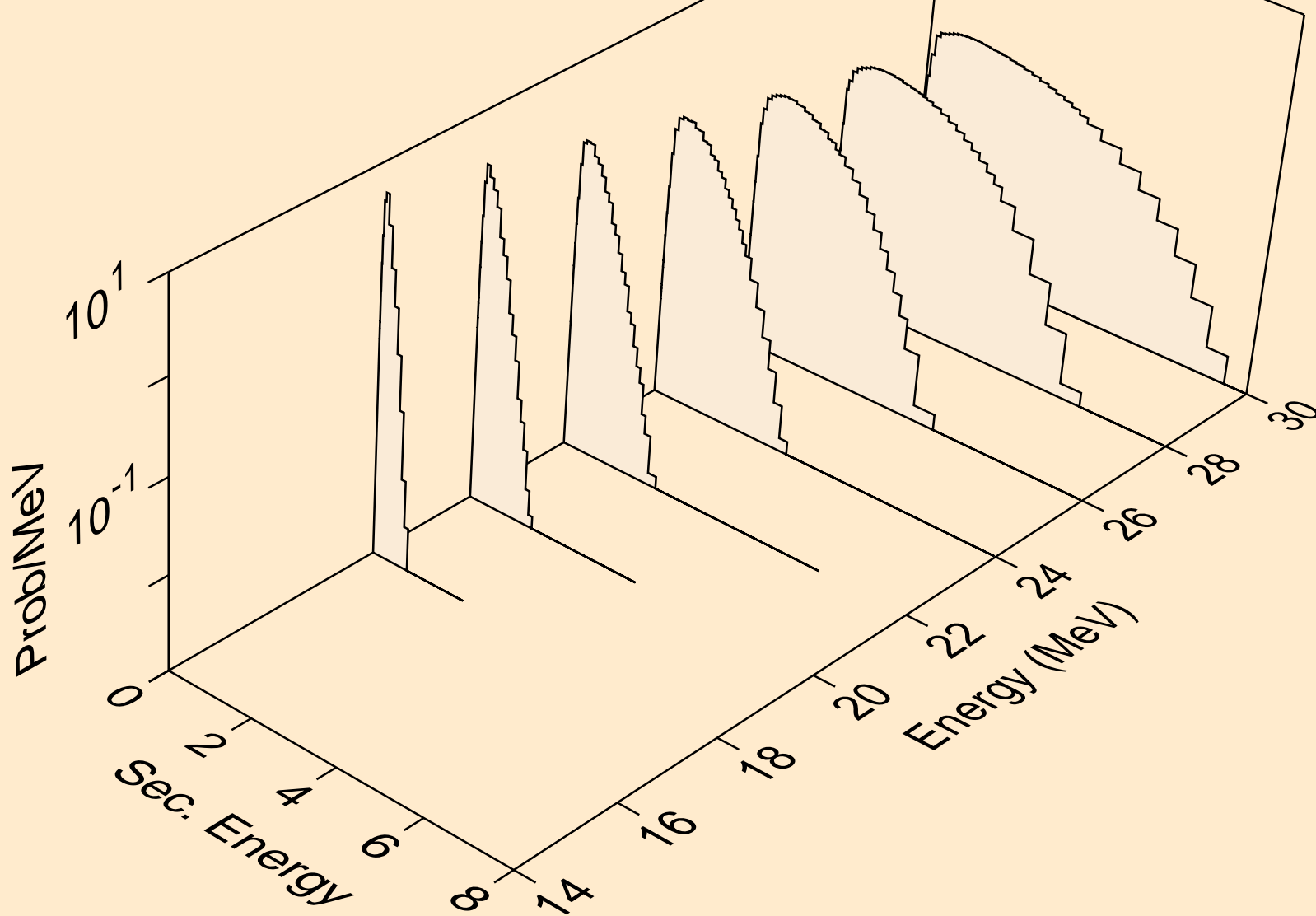
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Neutron emission for (n,2n)a



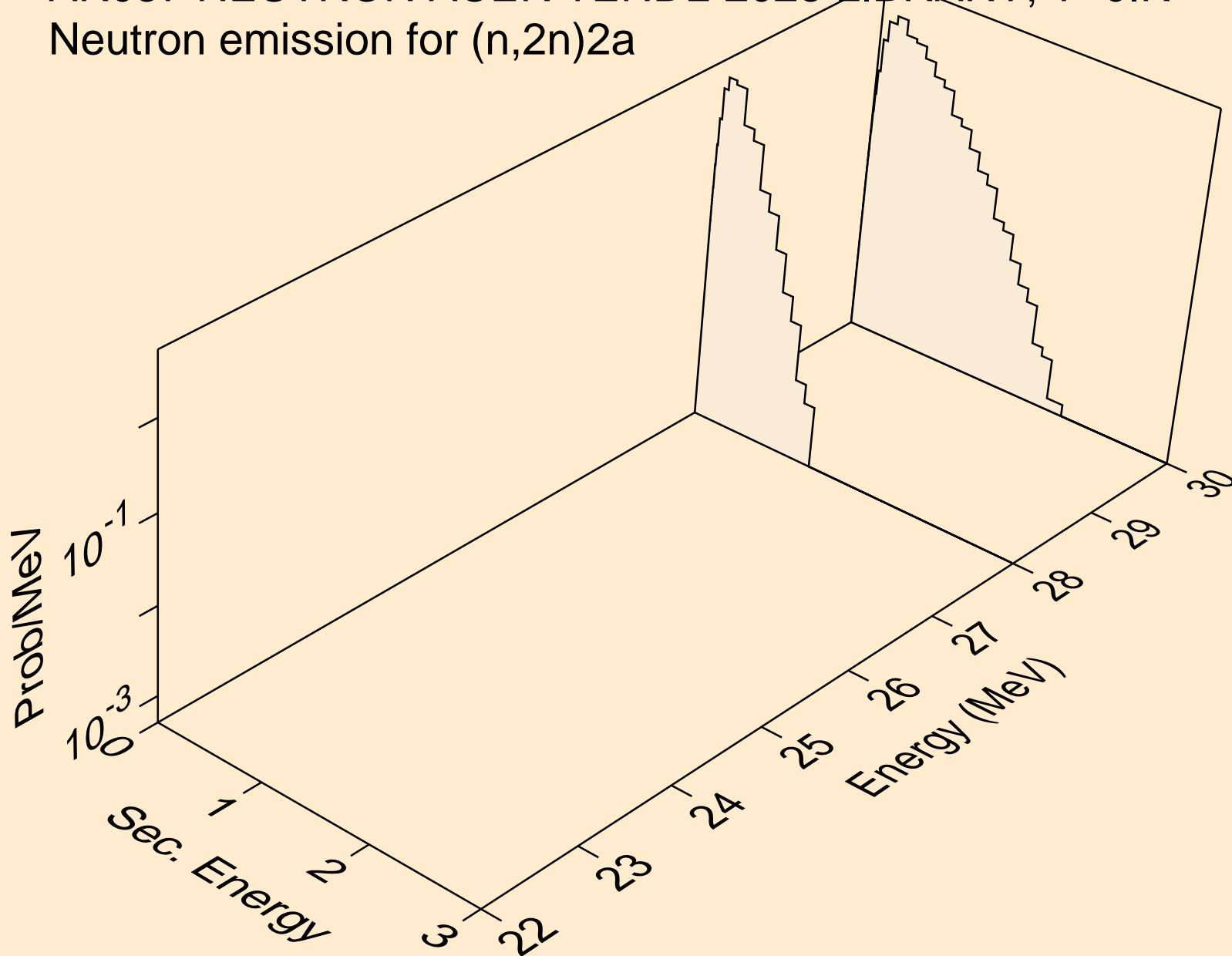
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Neutron emission for (n,n\*)p



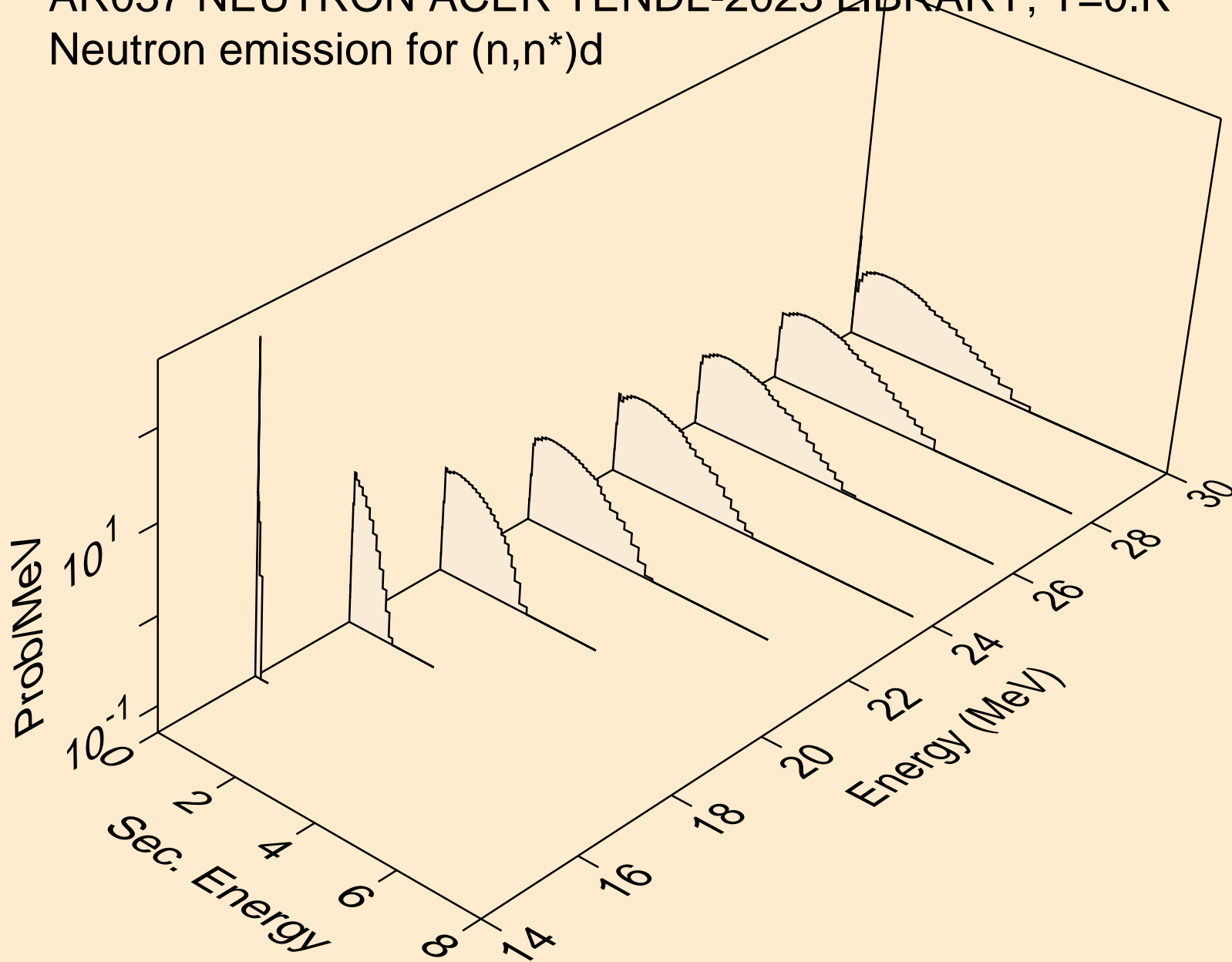
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Neutron emission for (n,n\*)2a



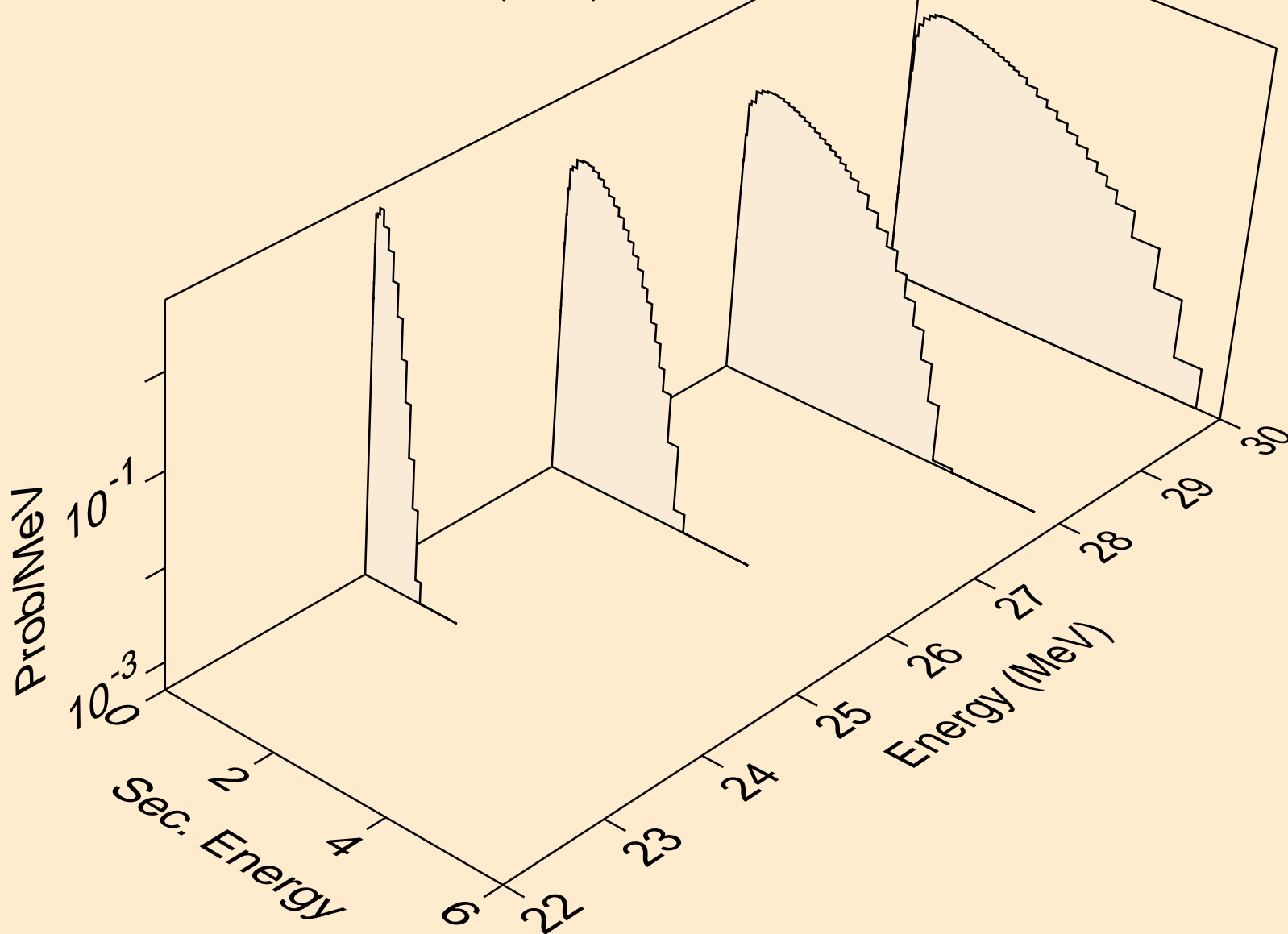
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Neutron emission for (n,2n)2a



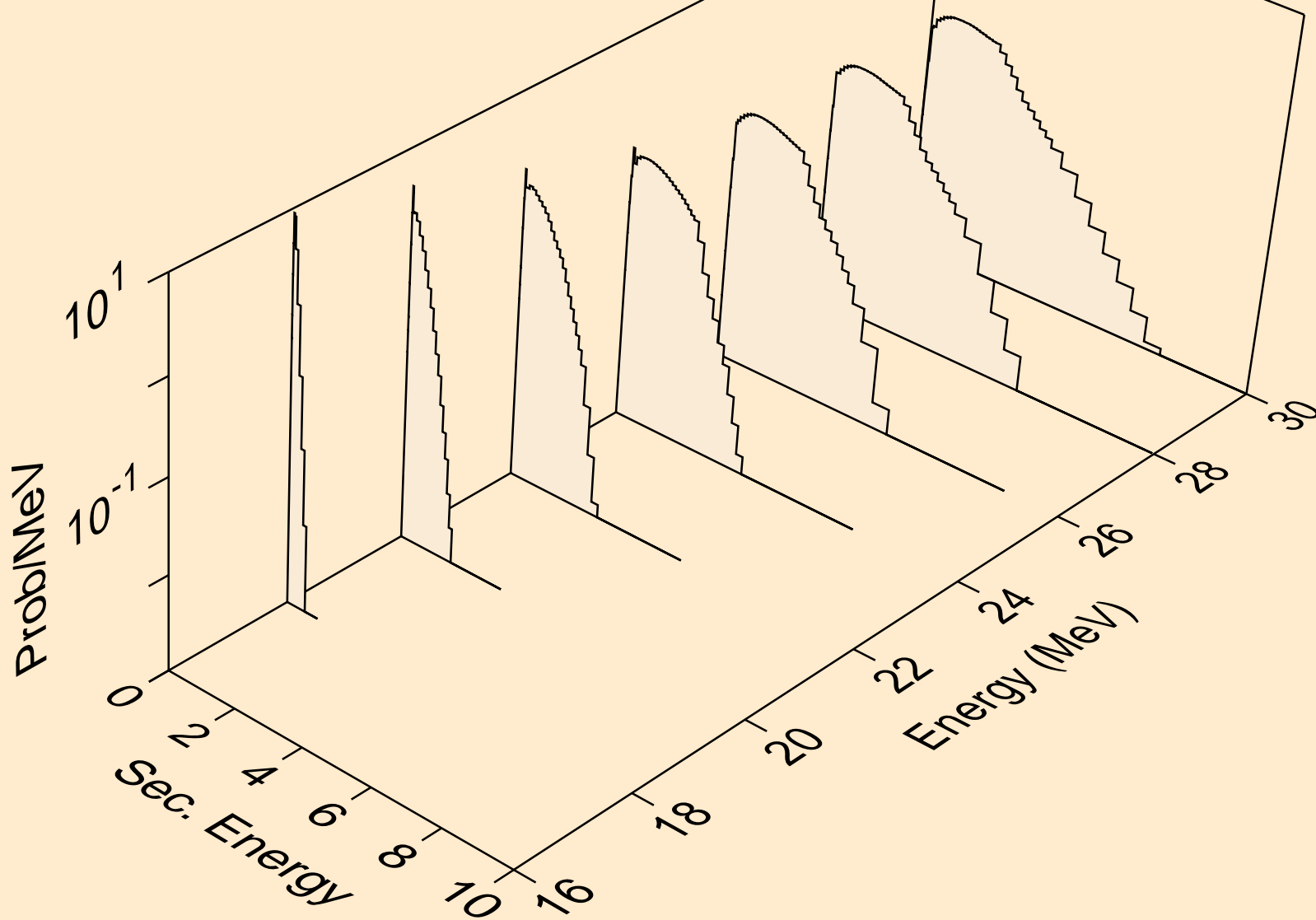
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Neutron emission for (n,n\*)d



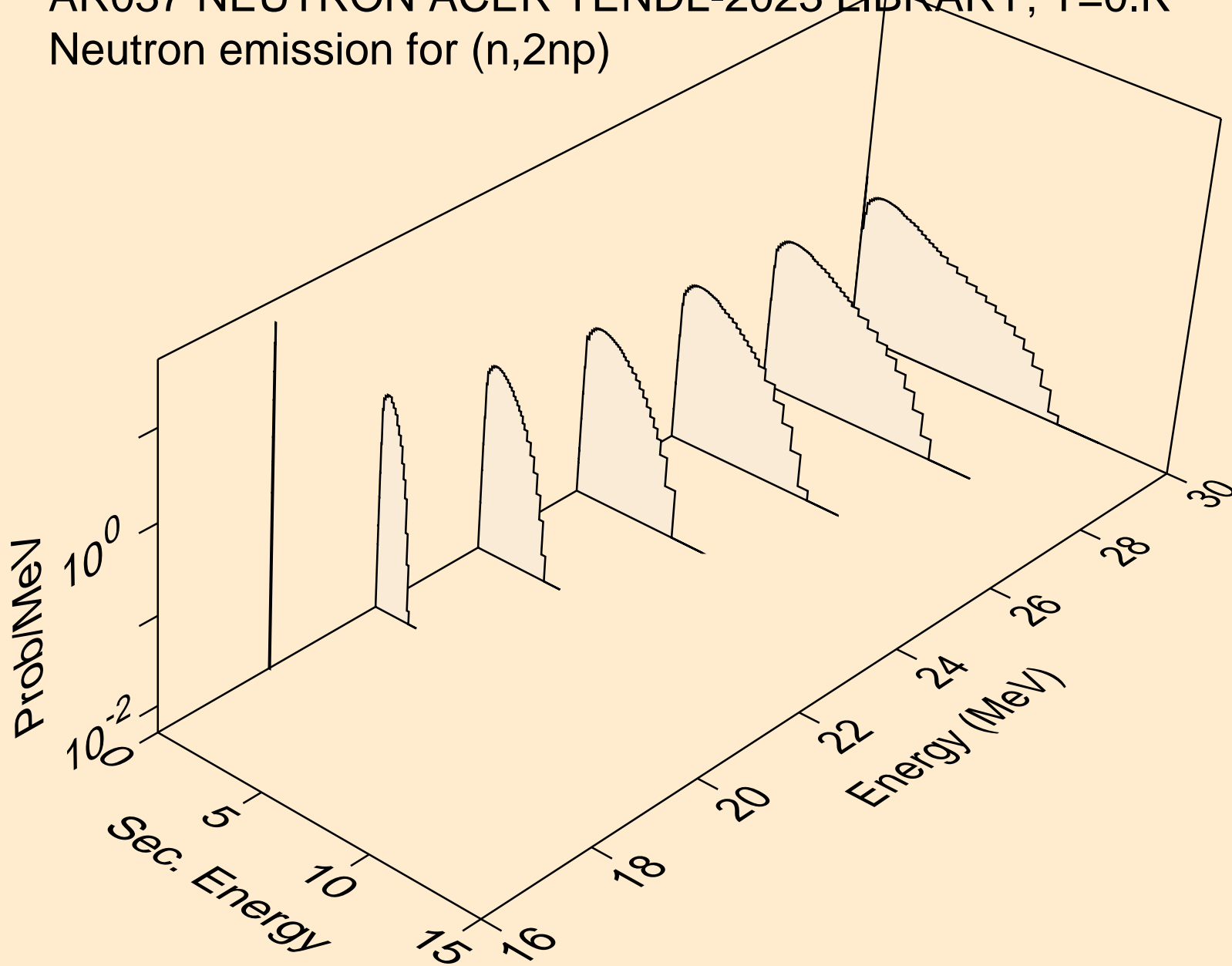
AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

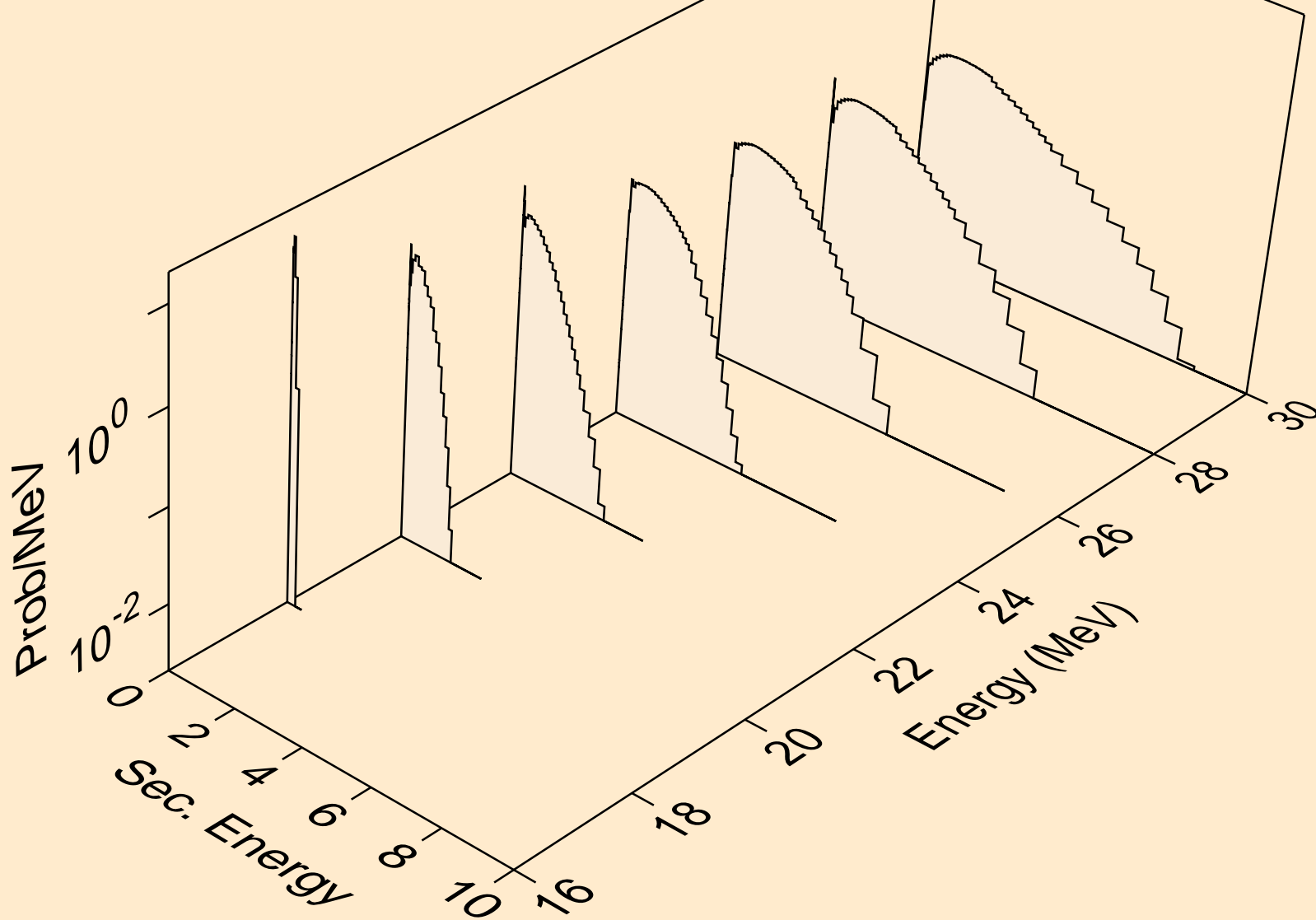


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Neutron emission for (n,2np)

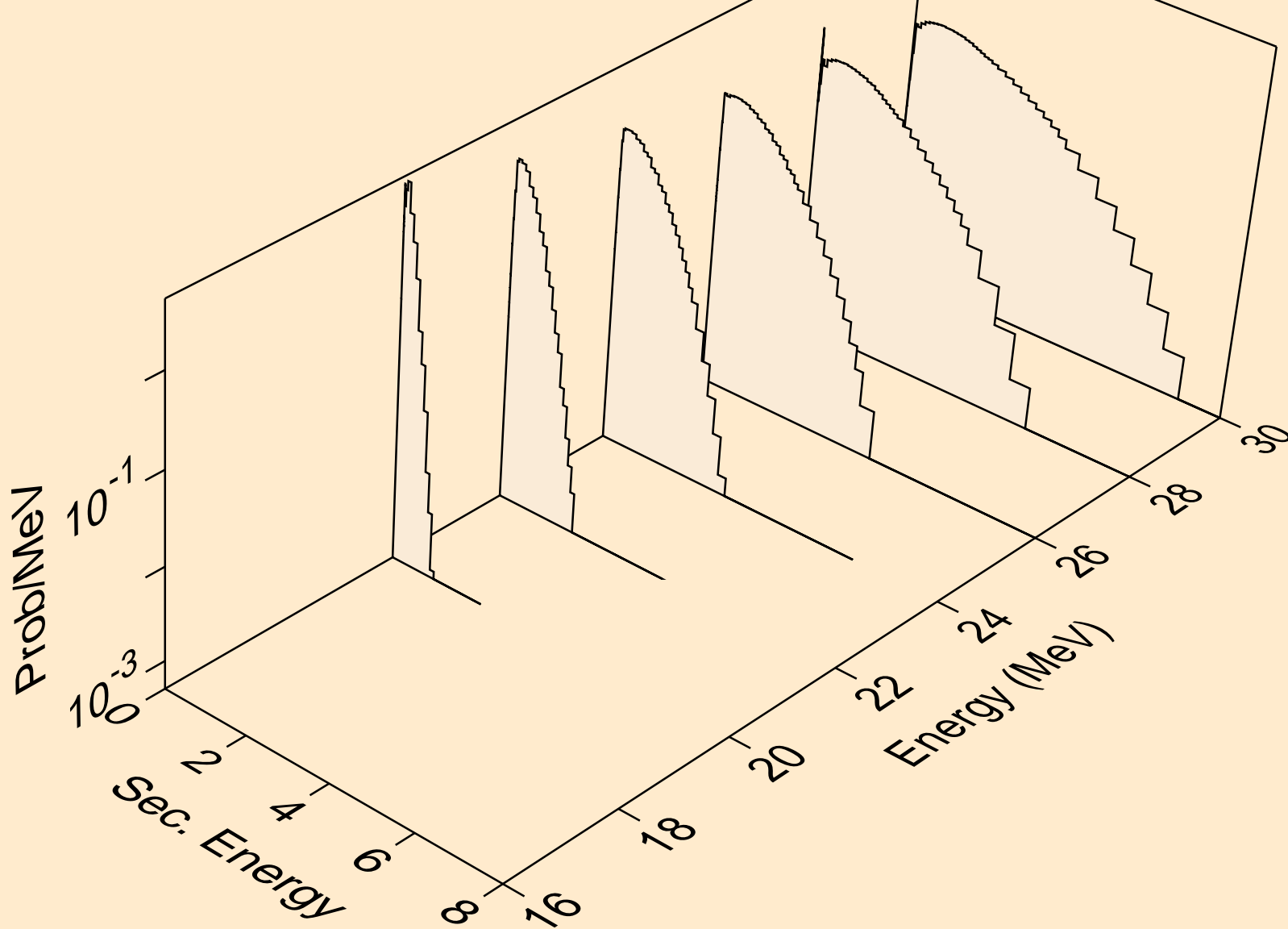




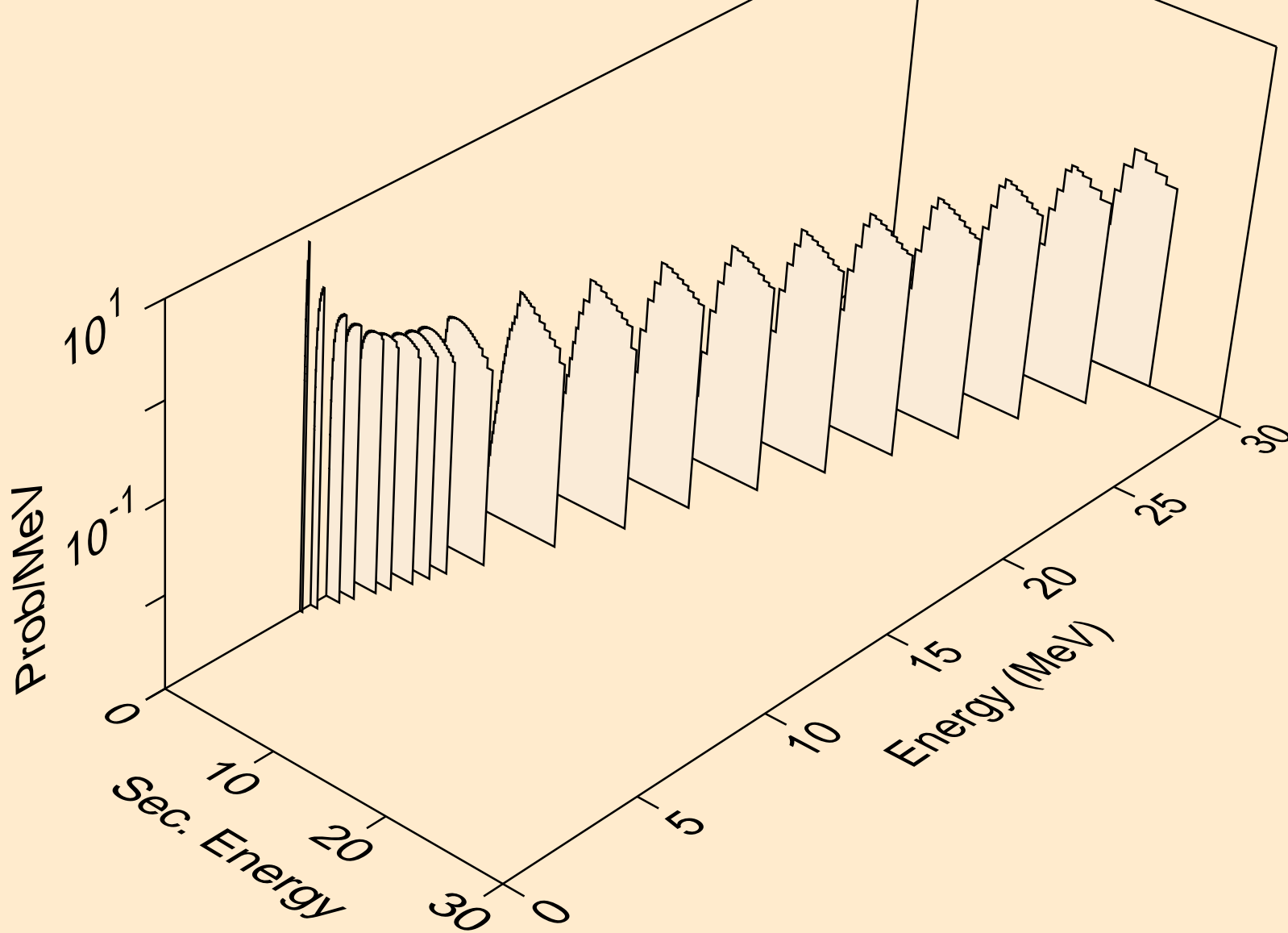
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Neutron emission for (n,n2p)



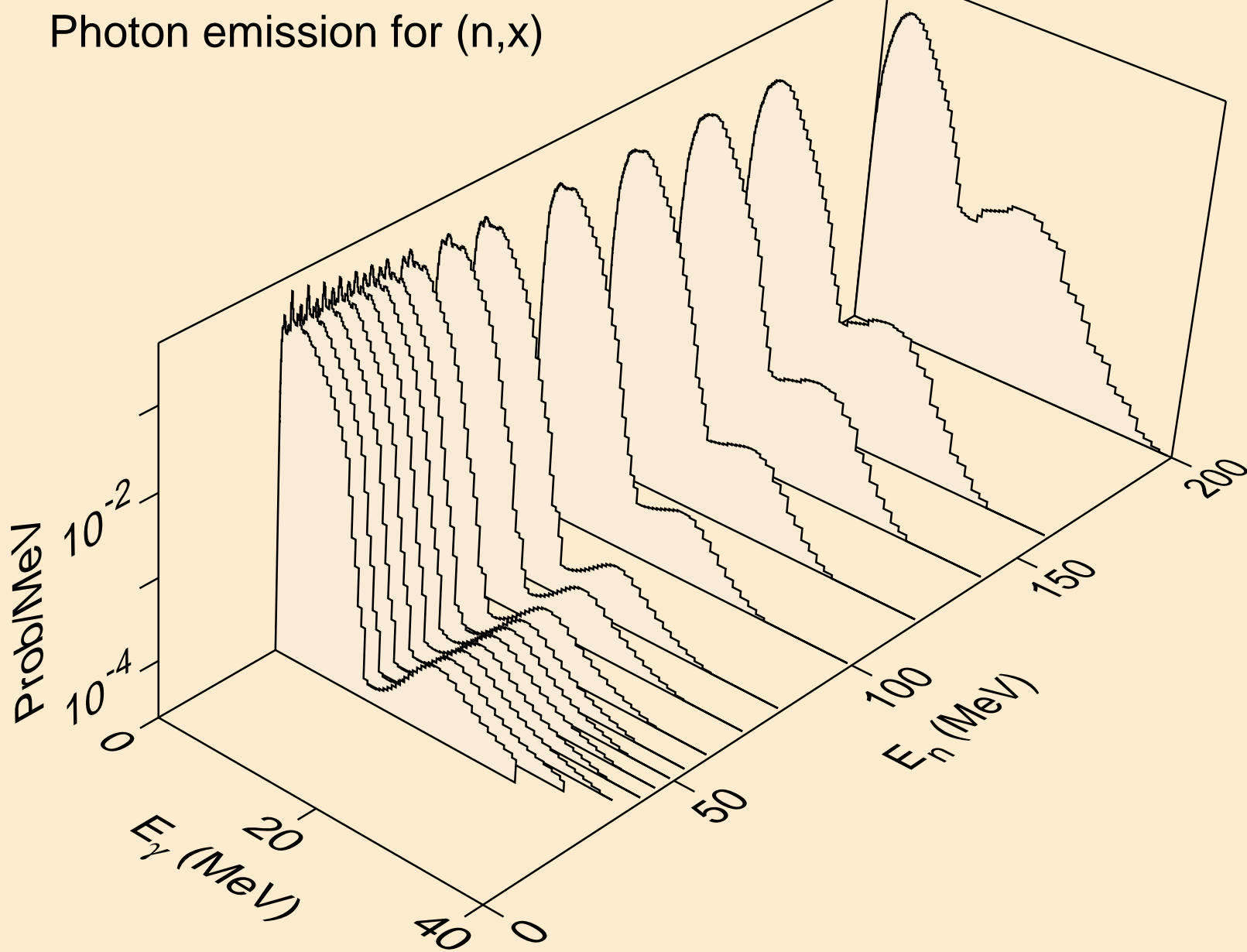
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Neutron emission for (n,npa)



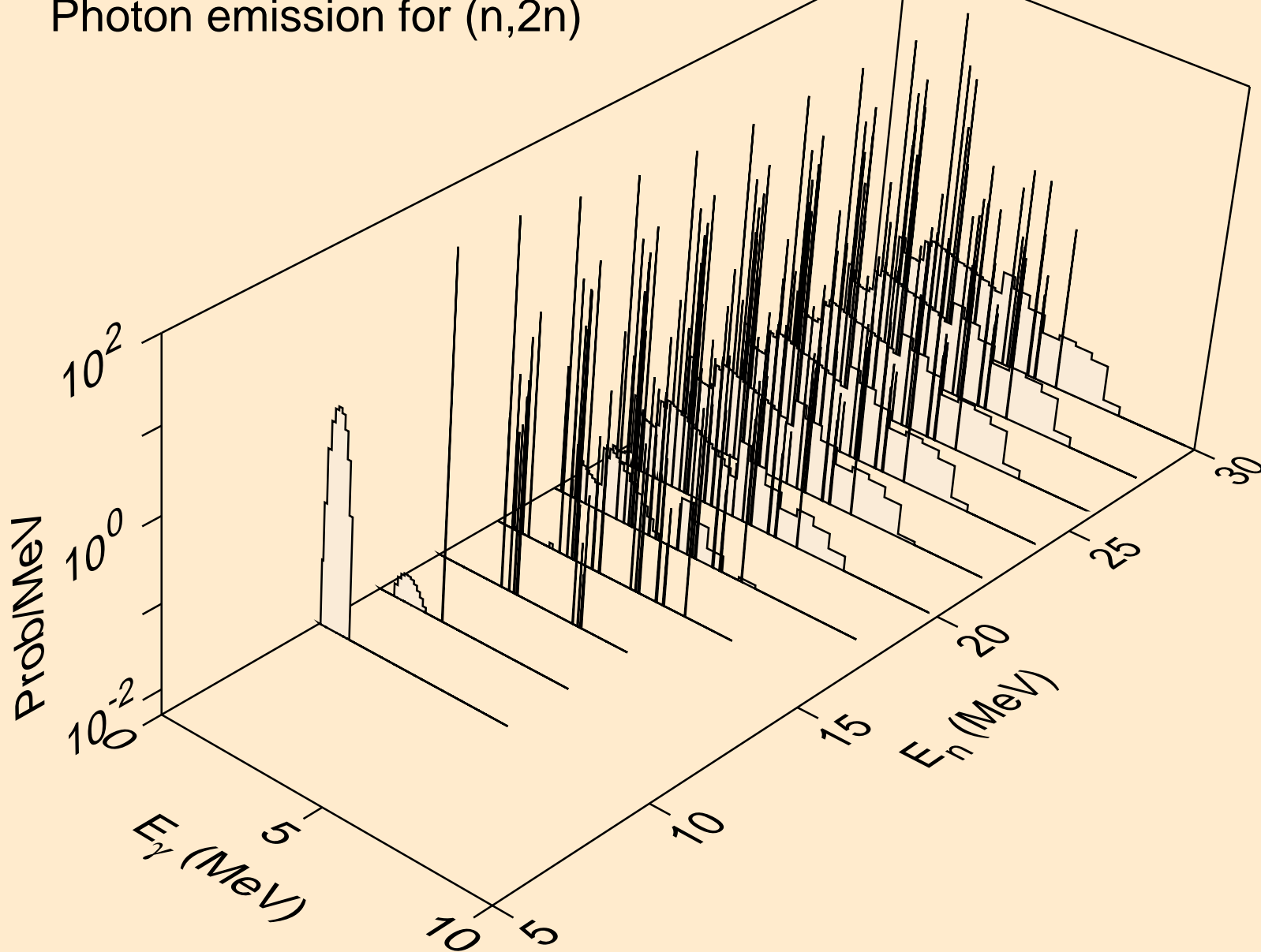
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Neutron emission for (n,n\*c)



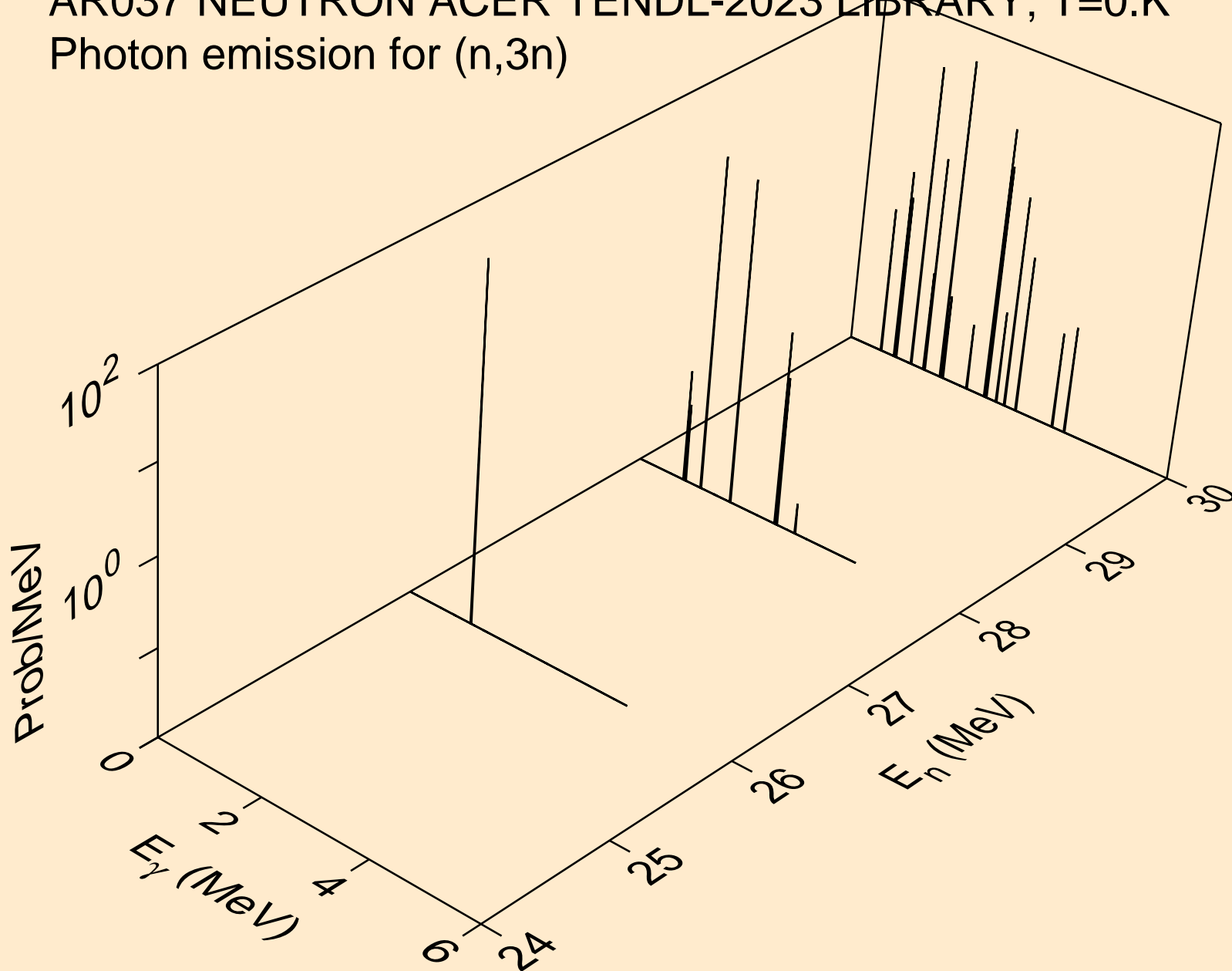
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Photon emission for (n,x)



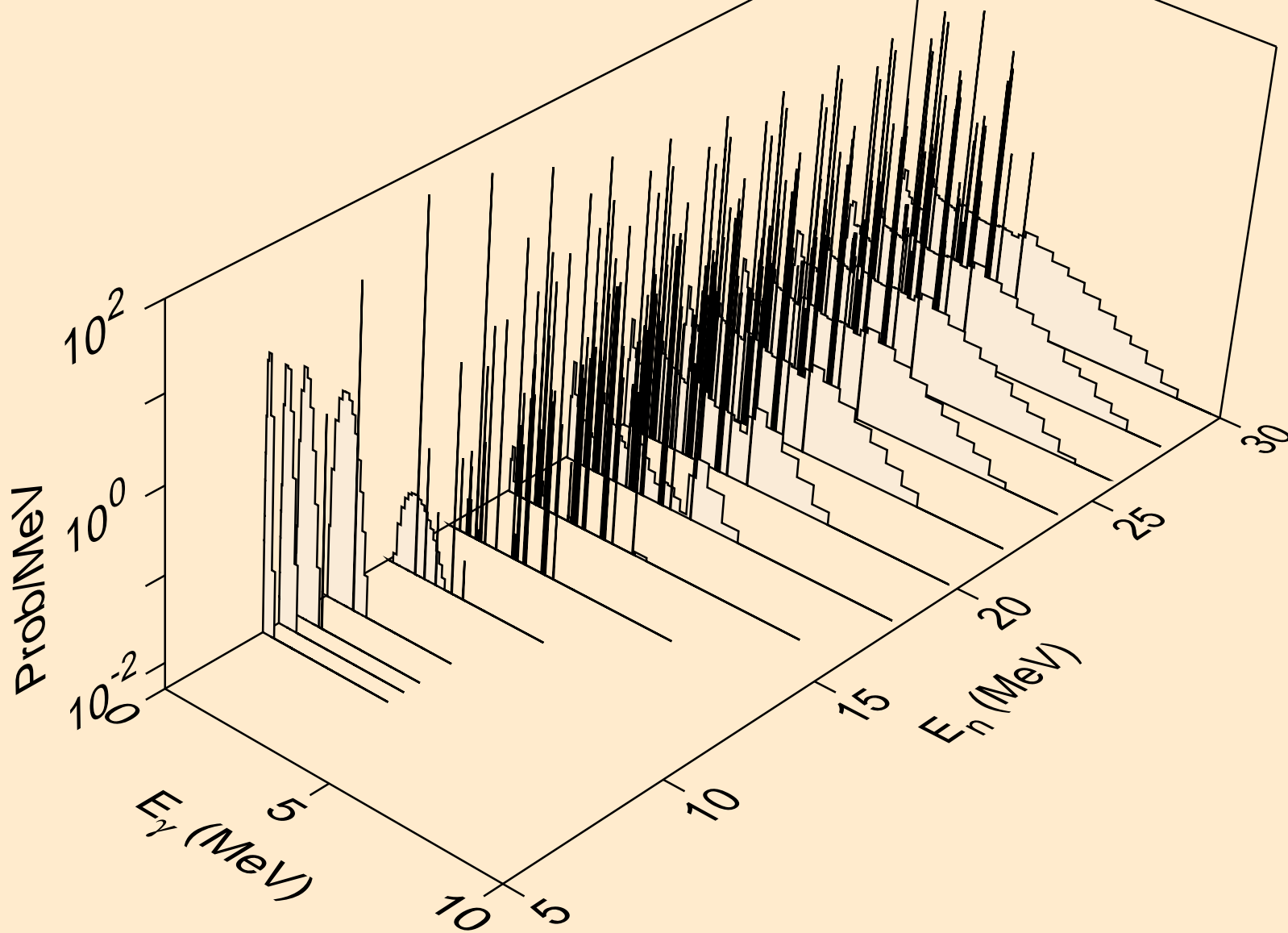
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Photon emission for (n,2n)



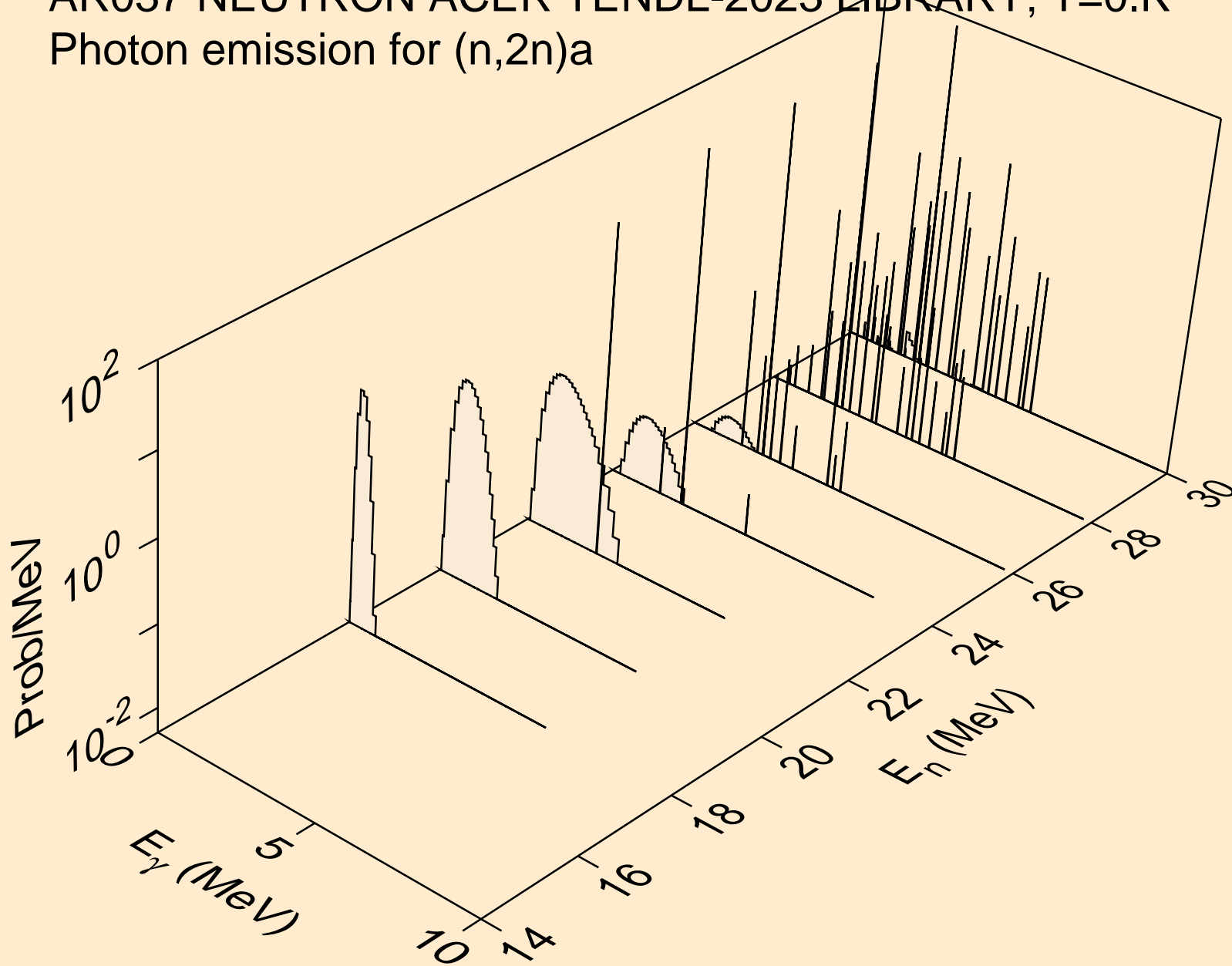
AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

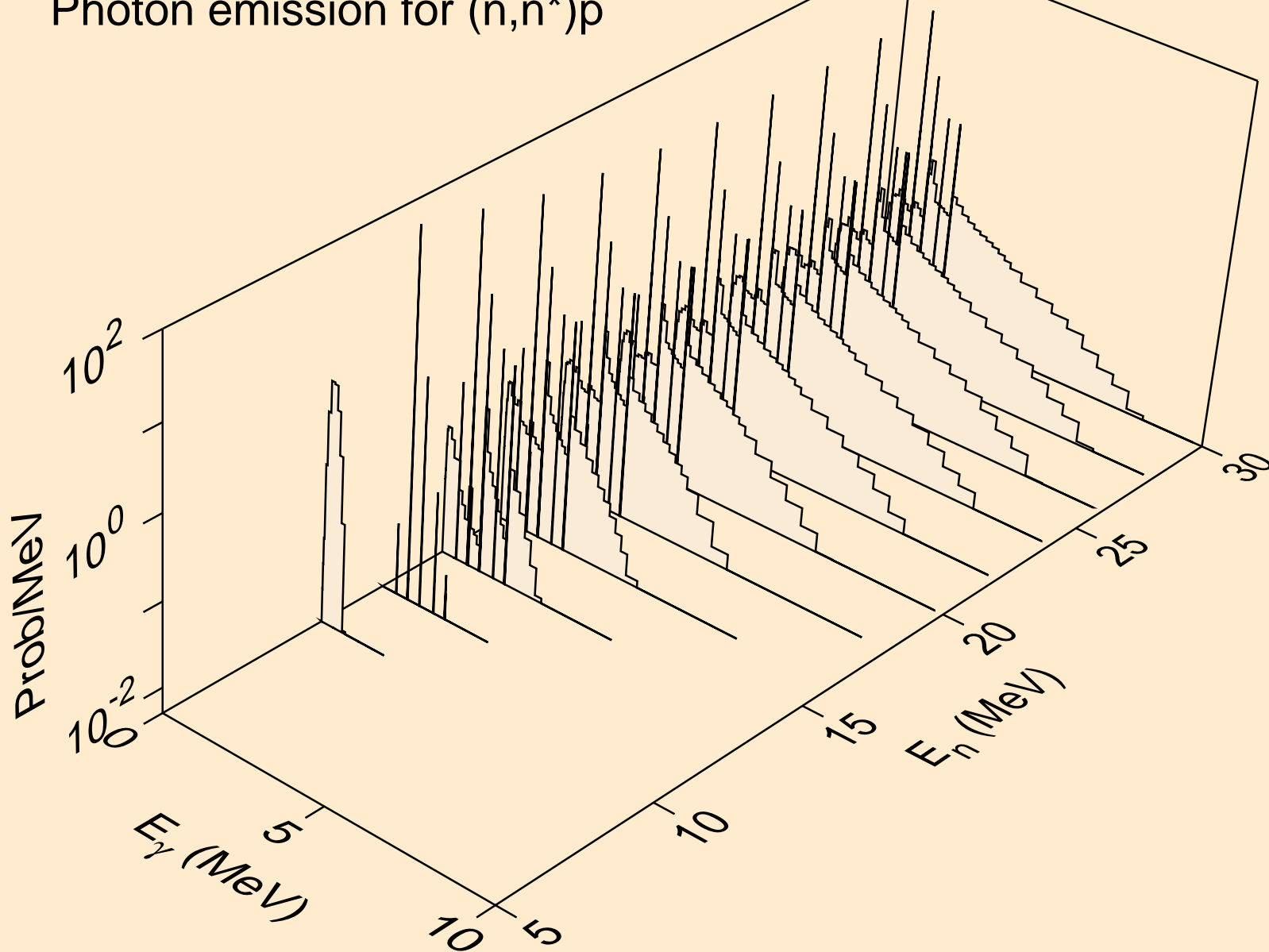


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Photon emission for (n,2n)a

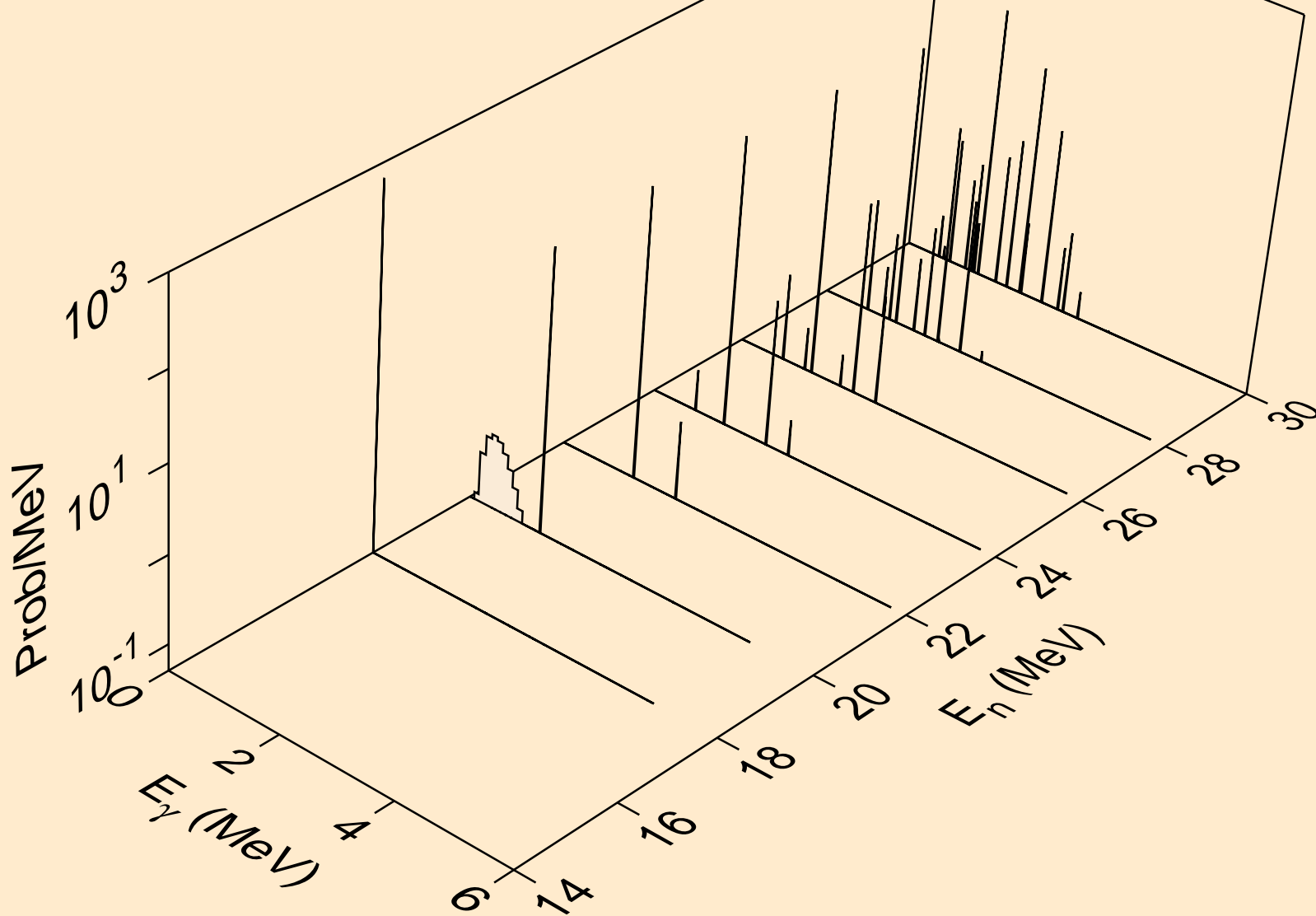




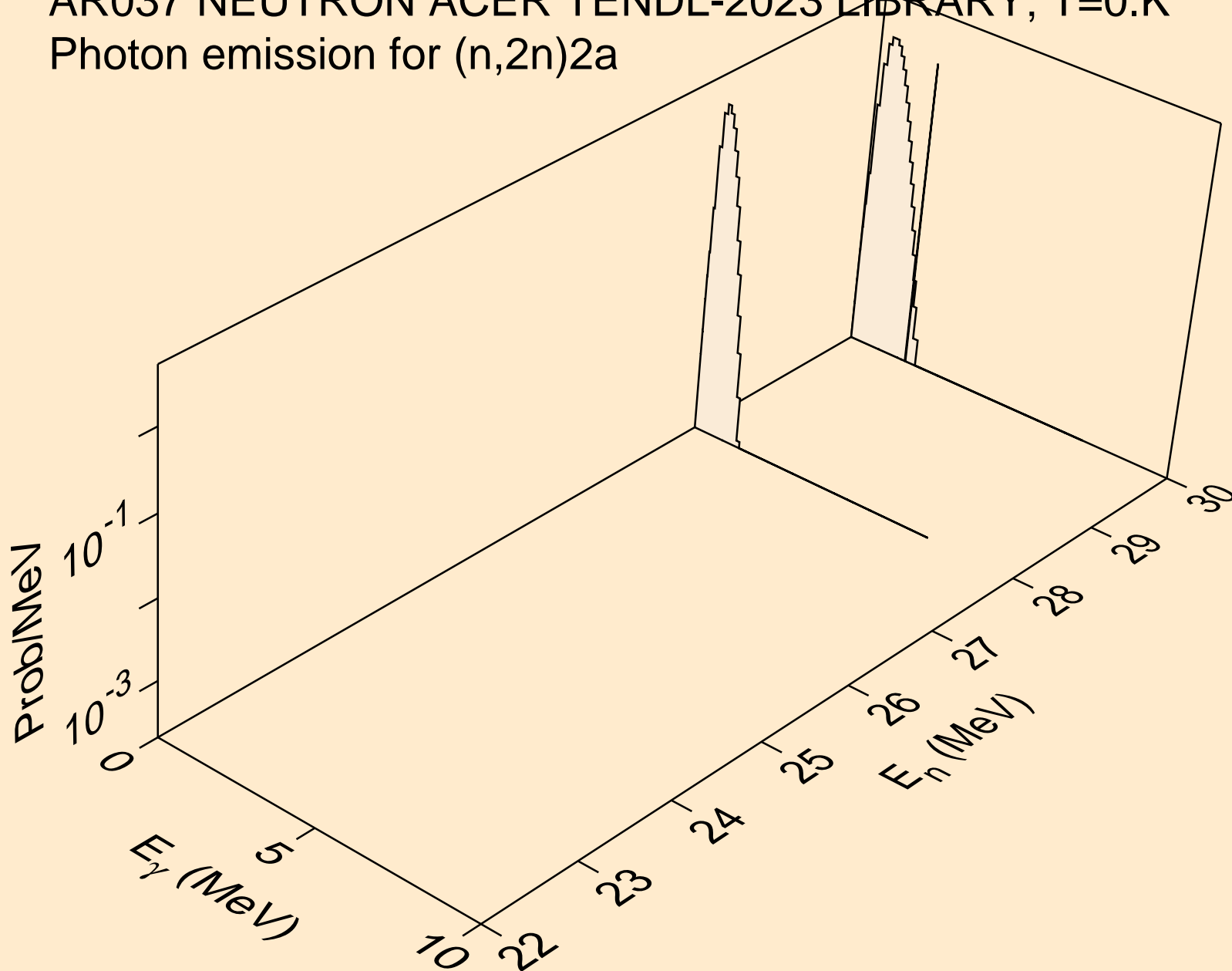
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Photon emission for (n,n\*)p



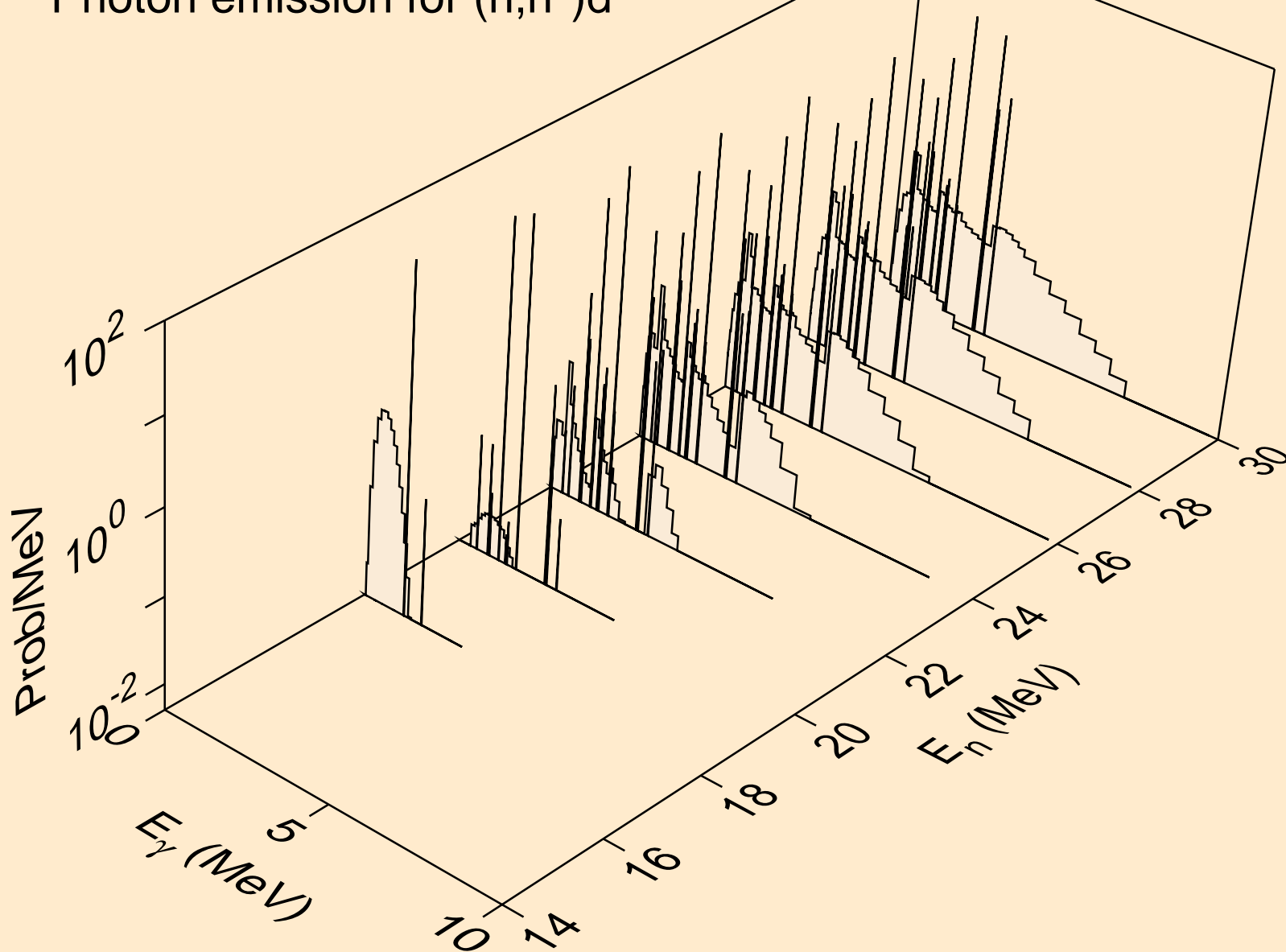
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Photon emission for (n,n\*)2a



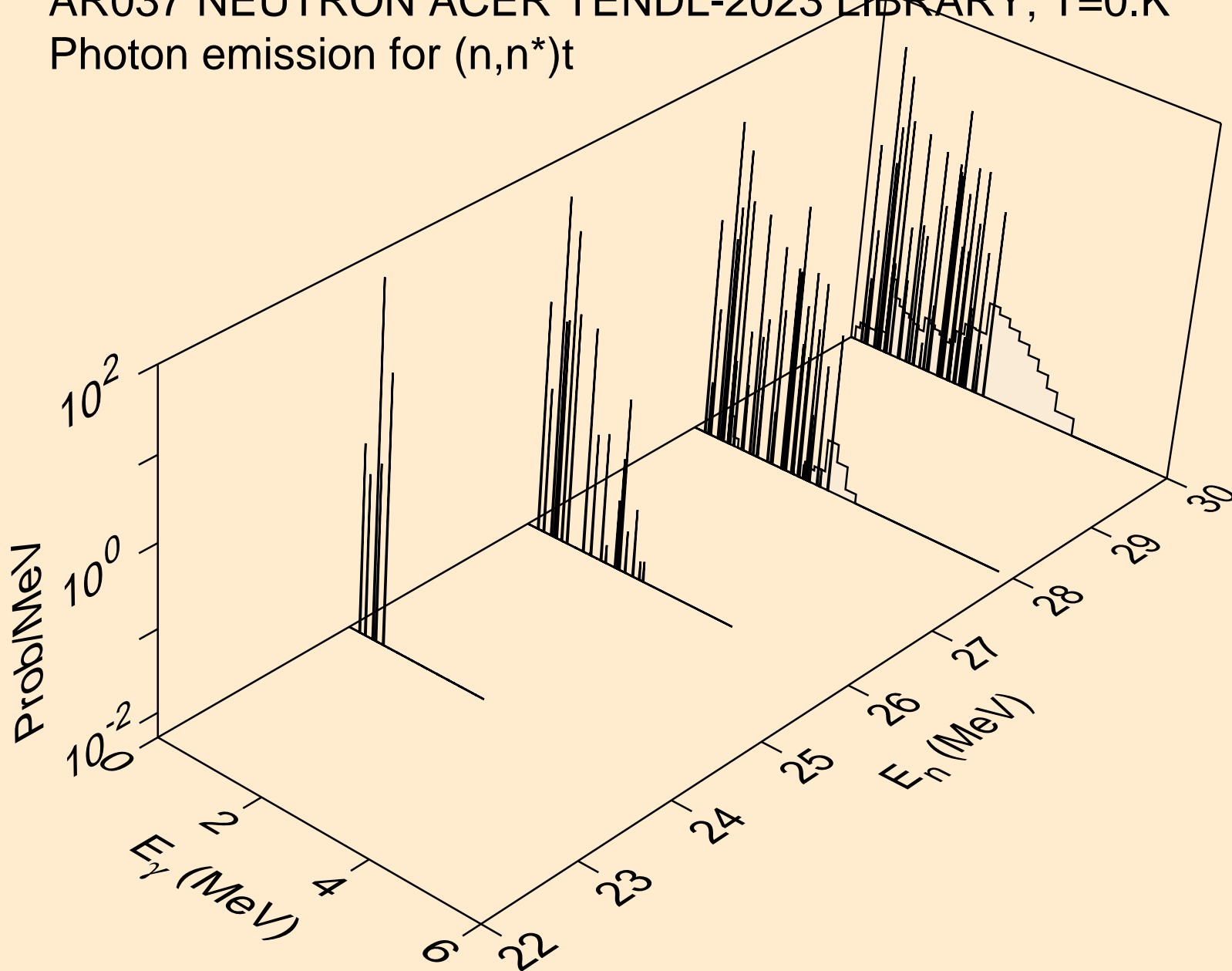
AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



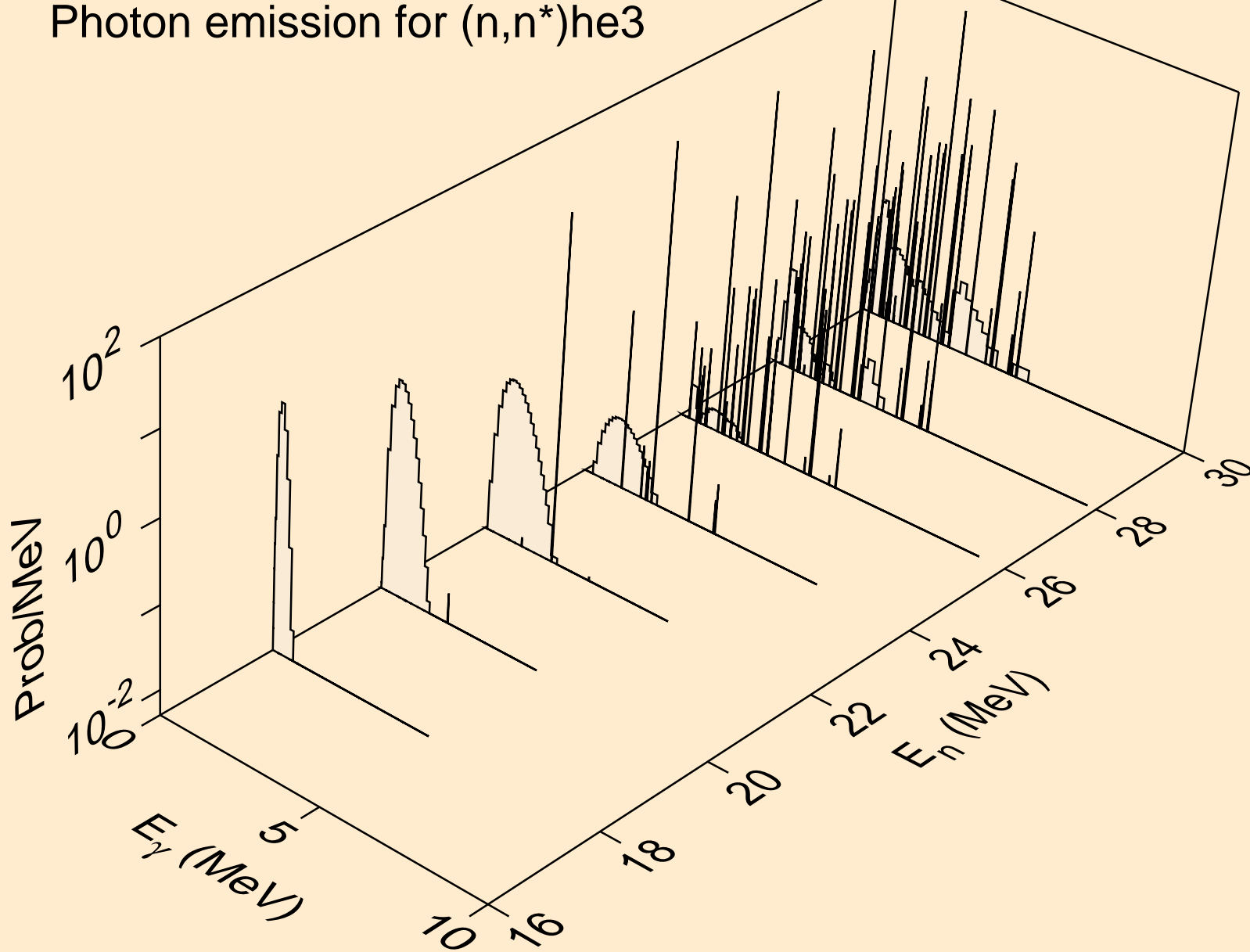
AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



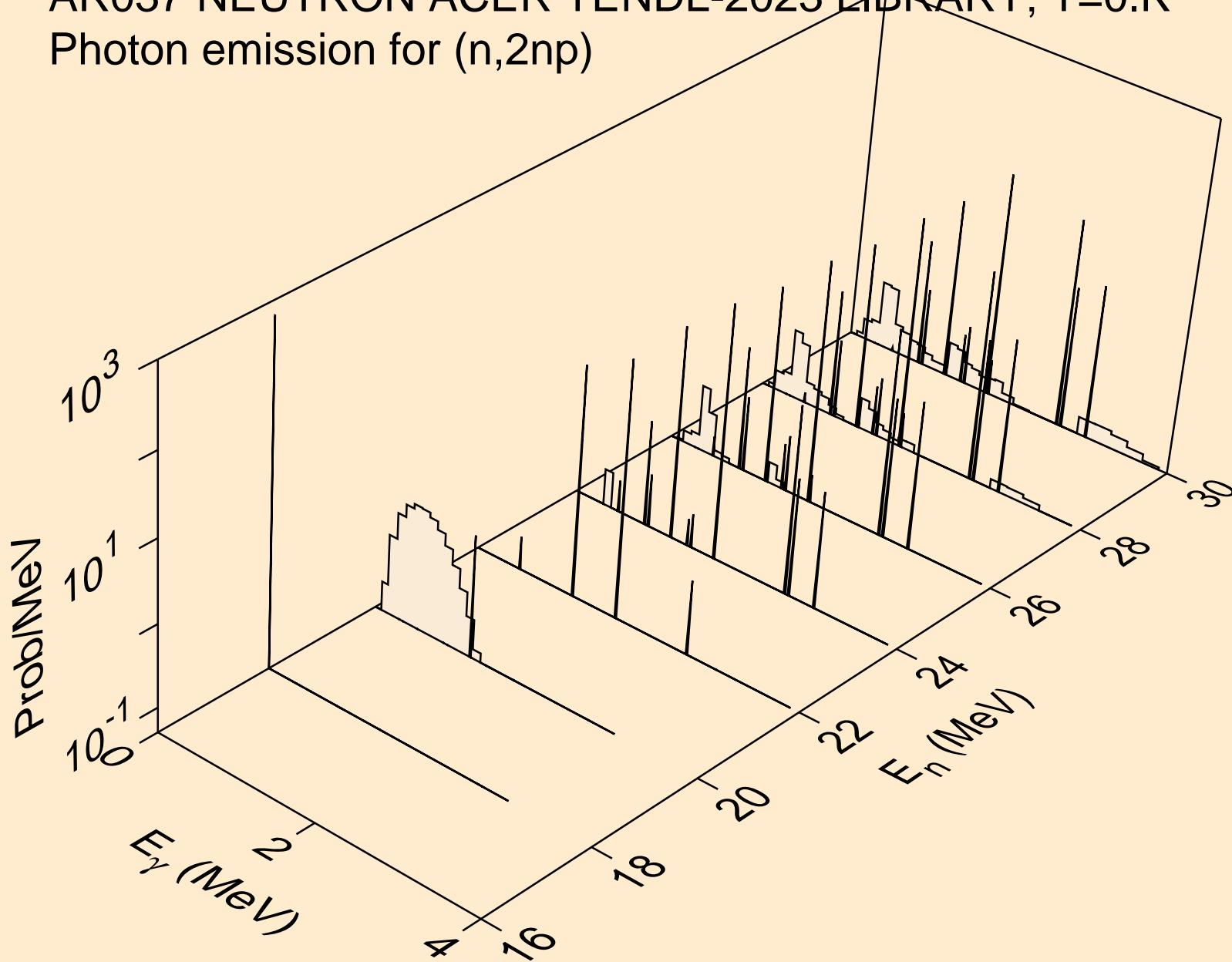
AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



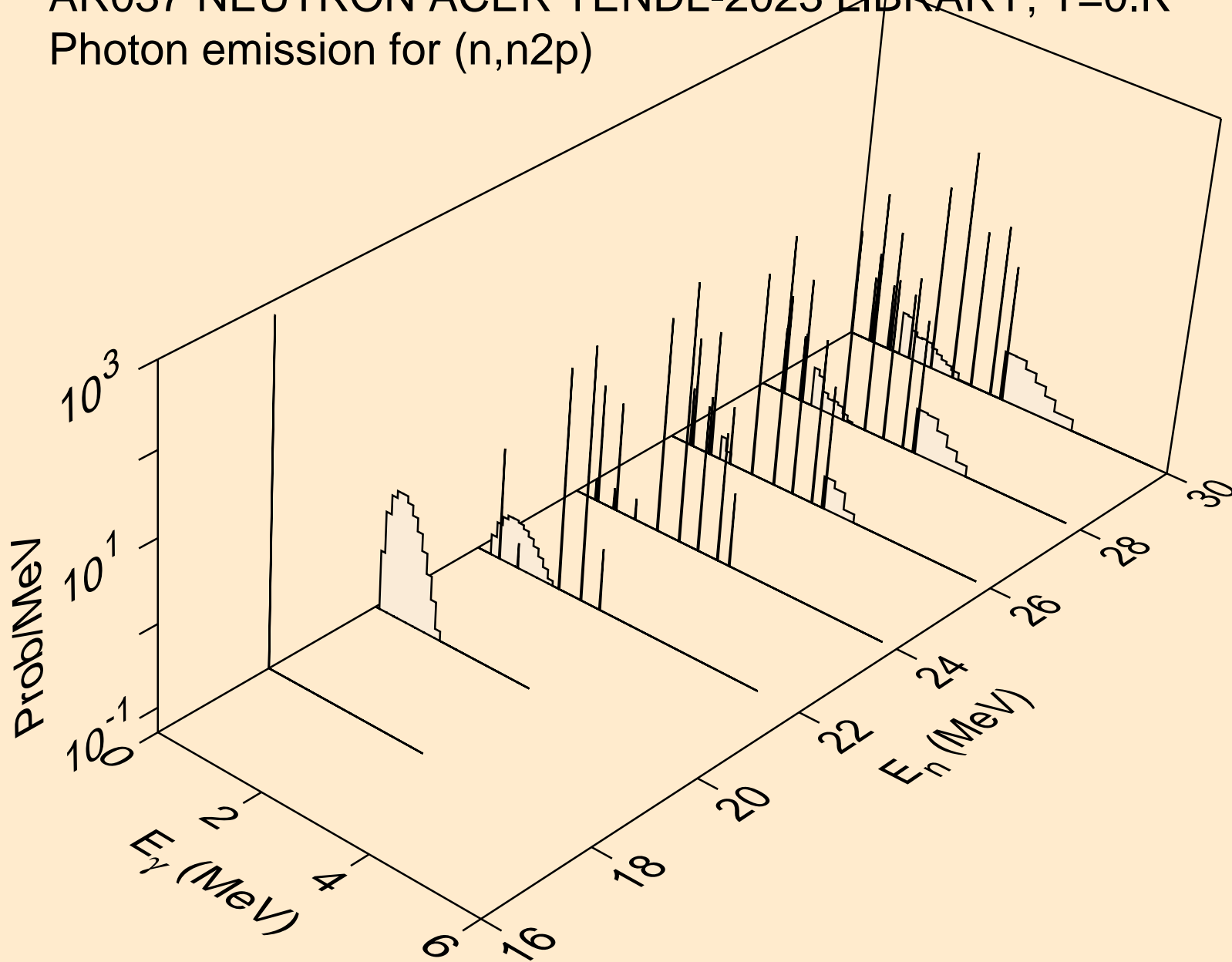
AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

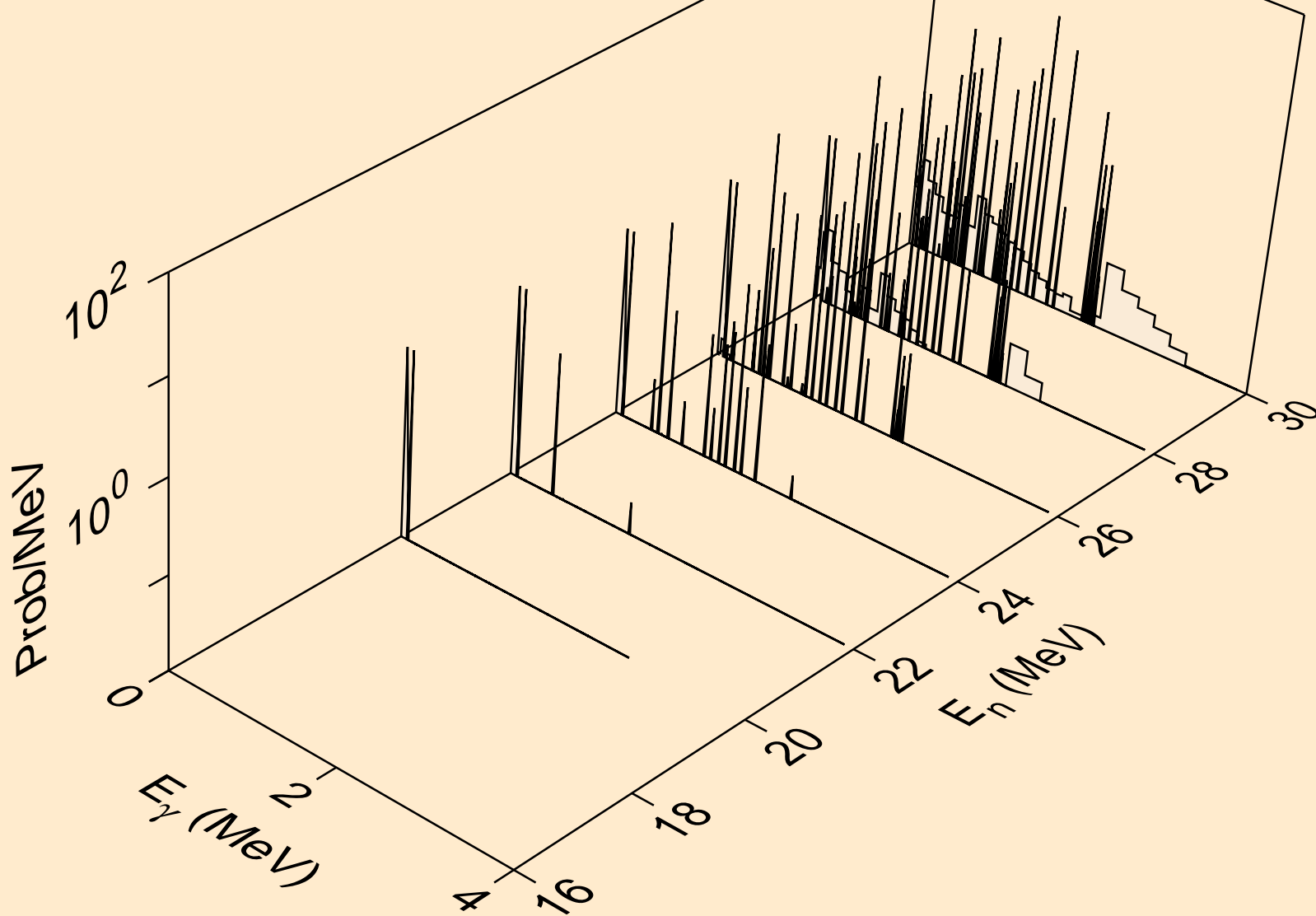


AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)

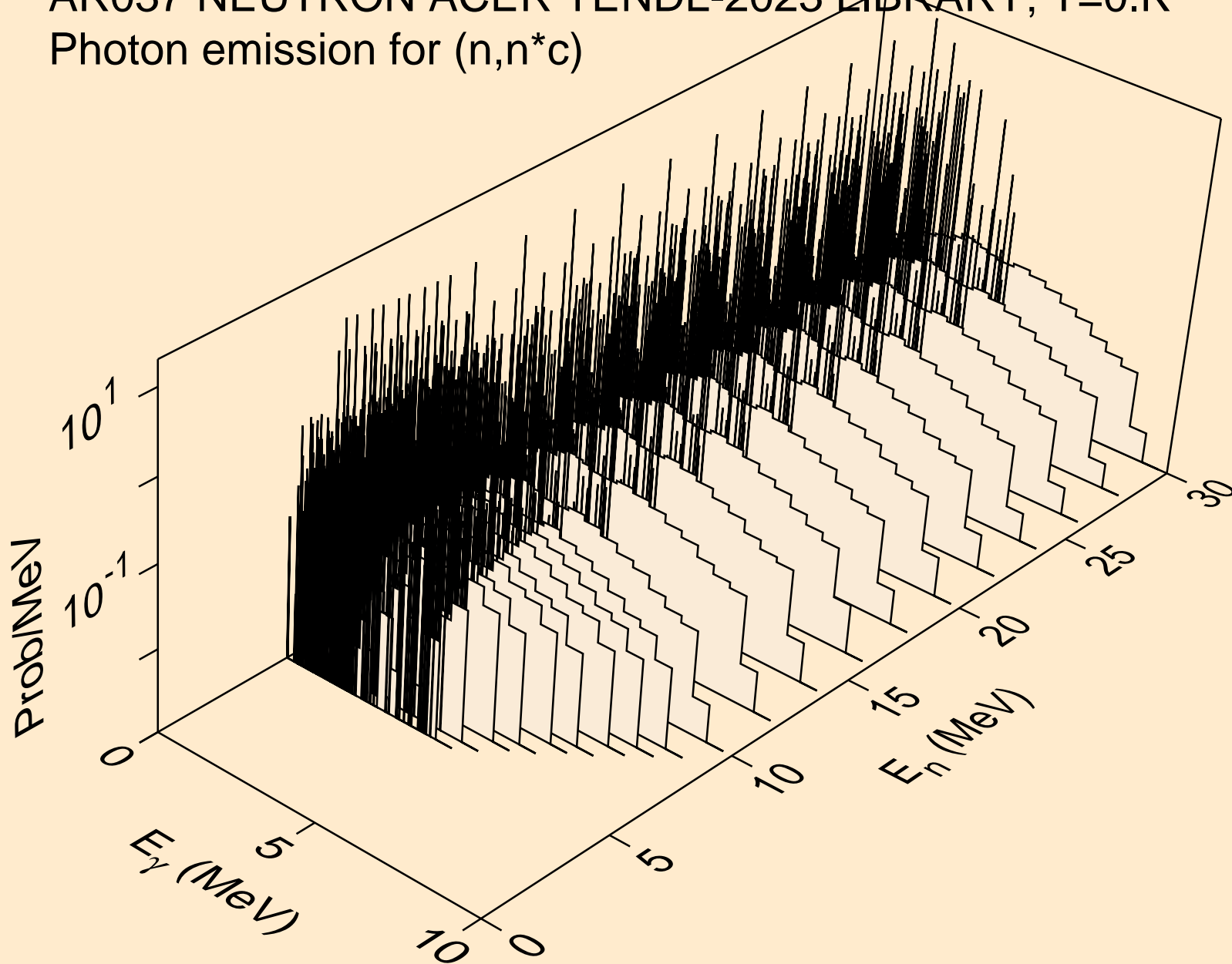




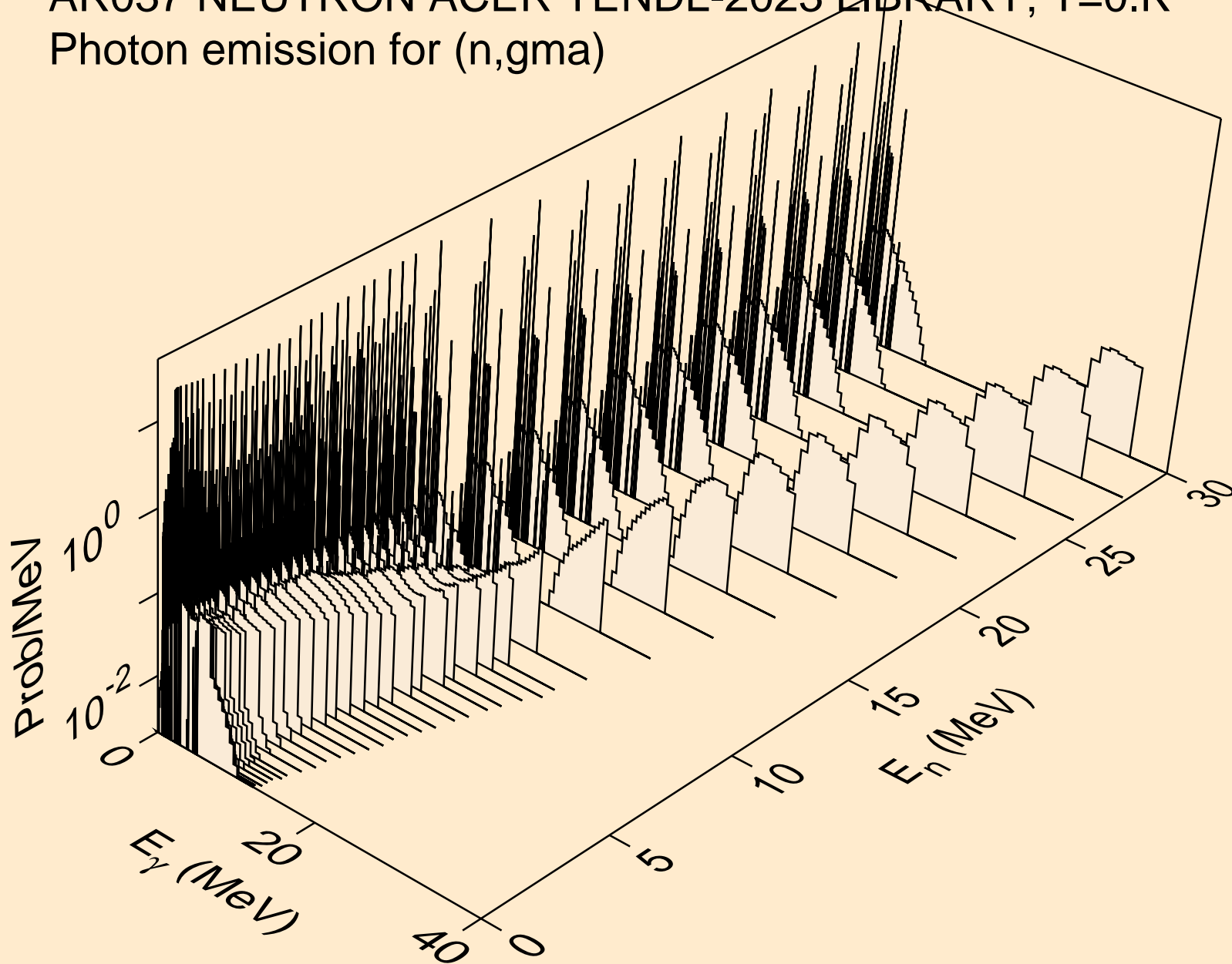
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Photon emission for (n,npa)



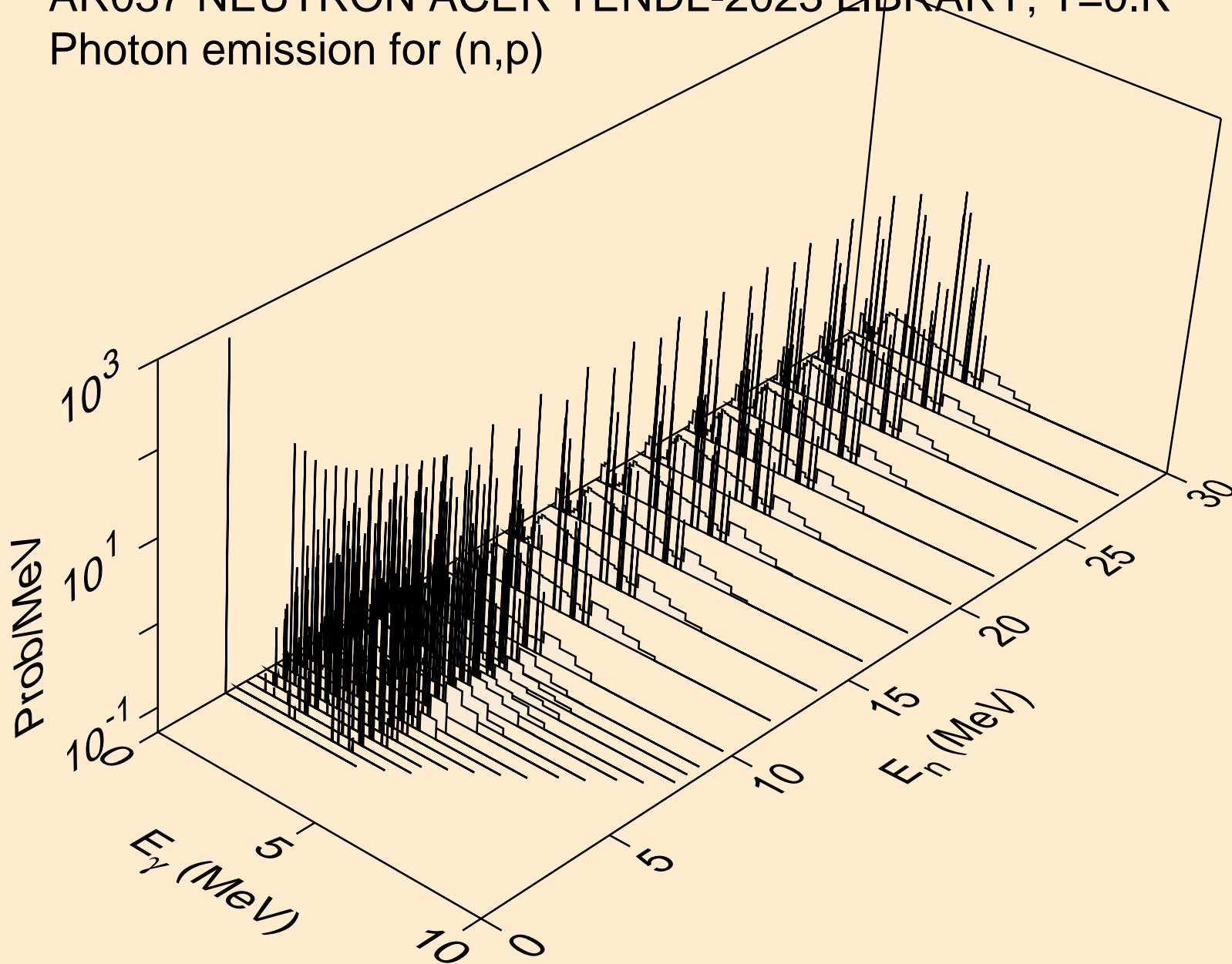
AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



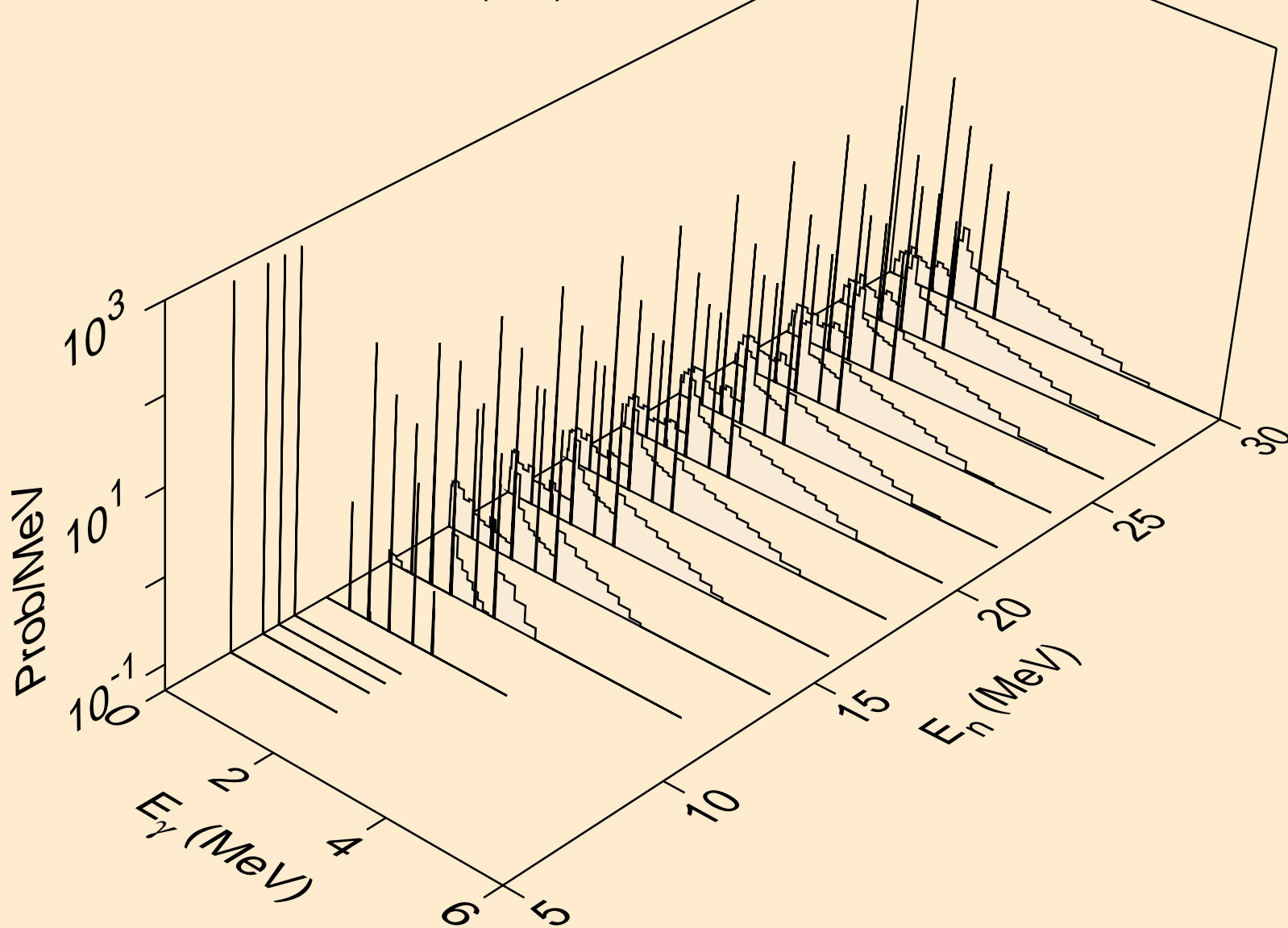
AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



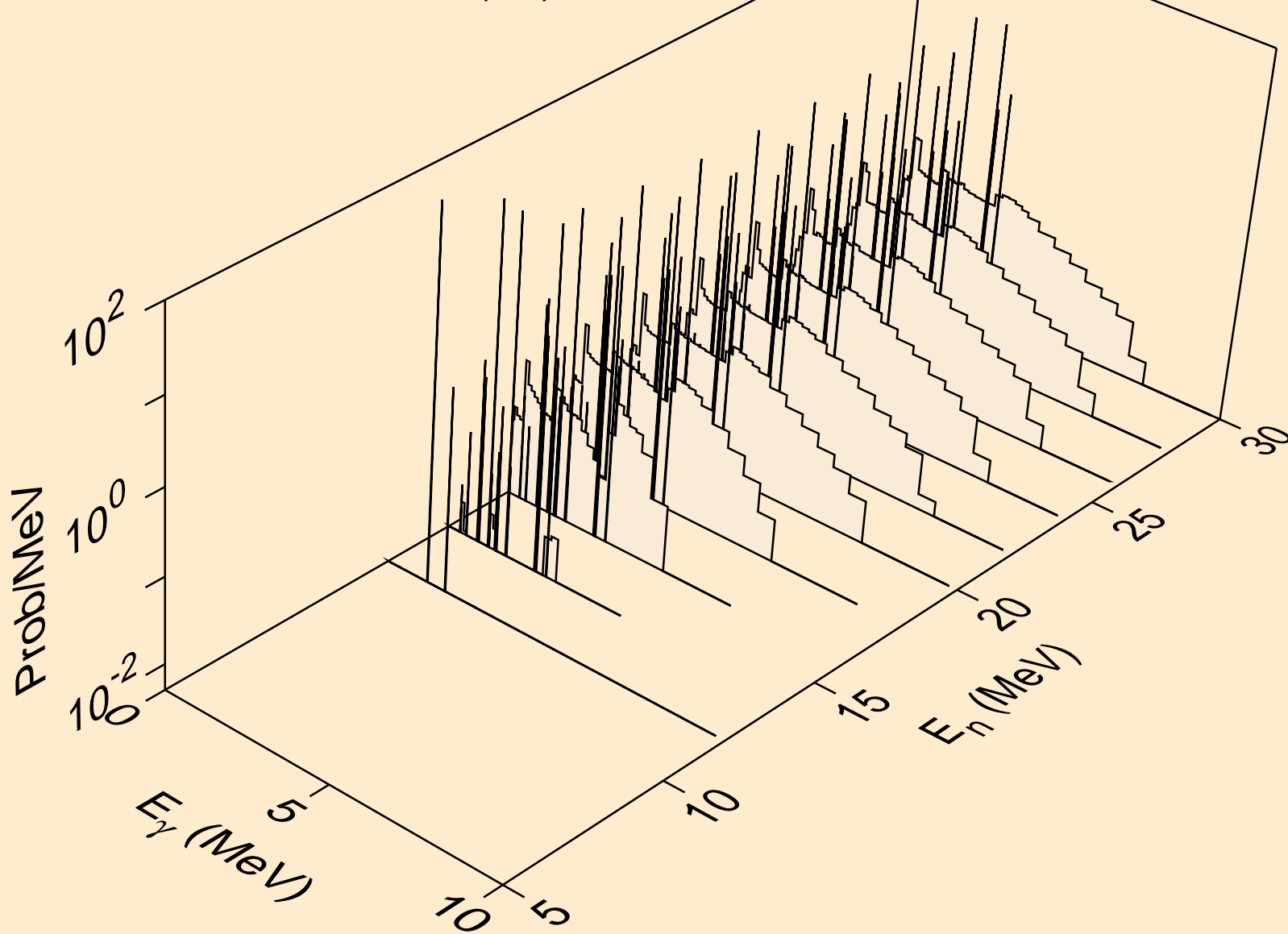
AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



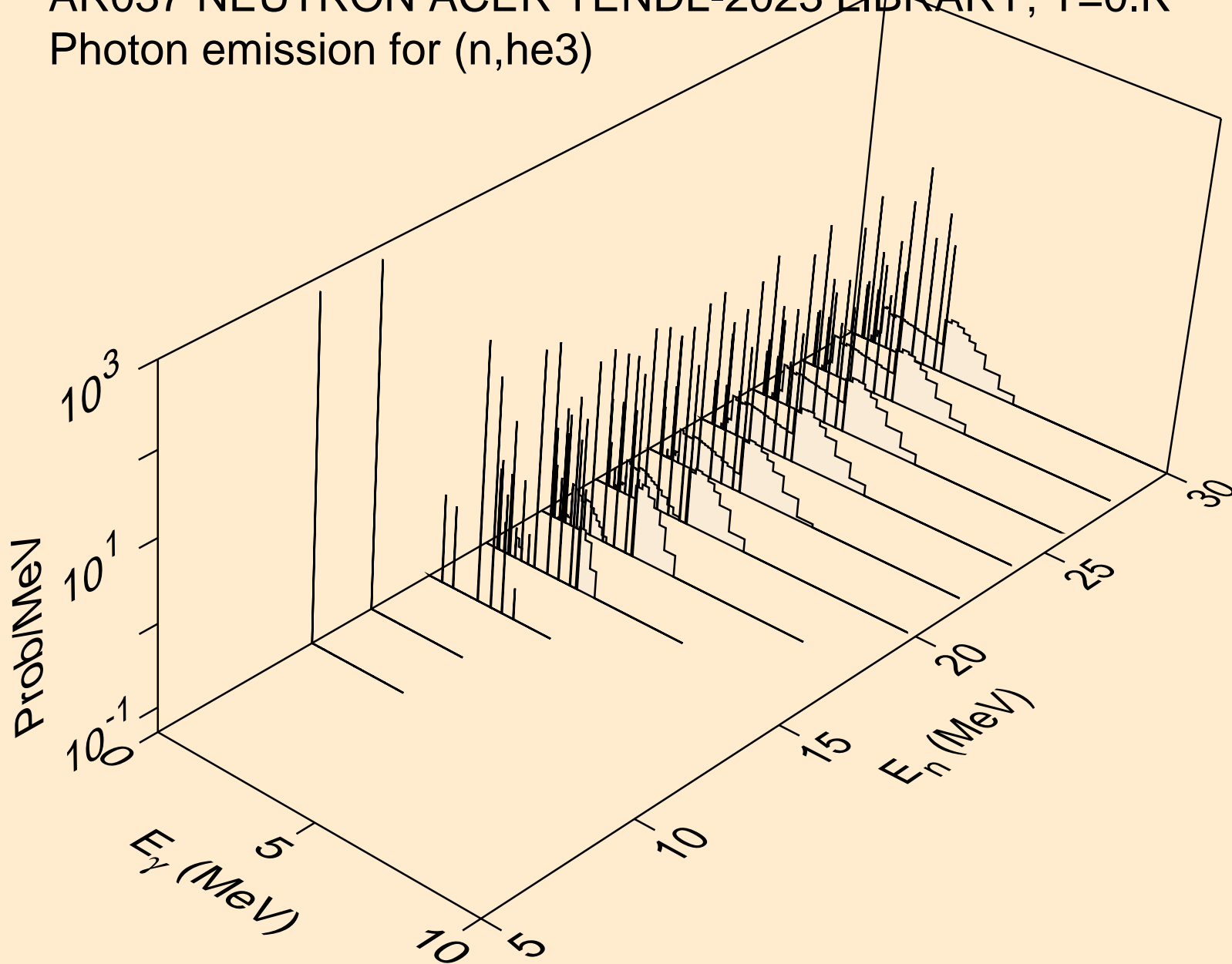
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Photon emission for (n,d)



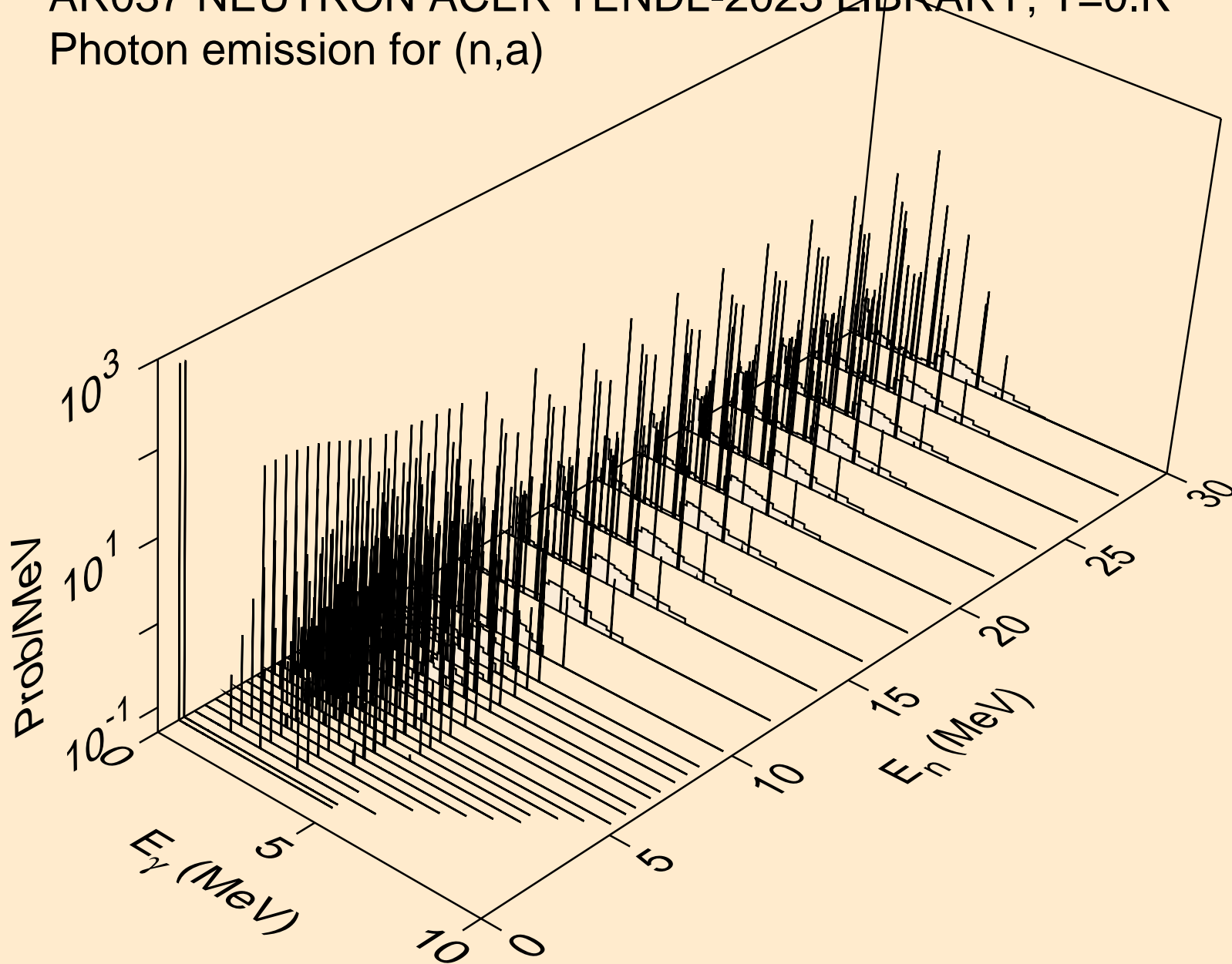
AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)

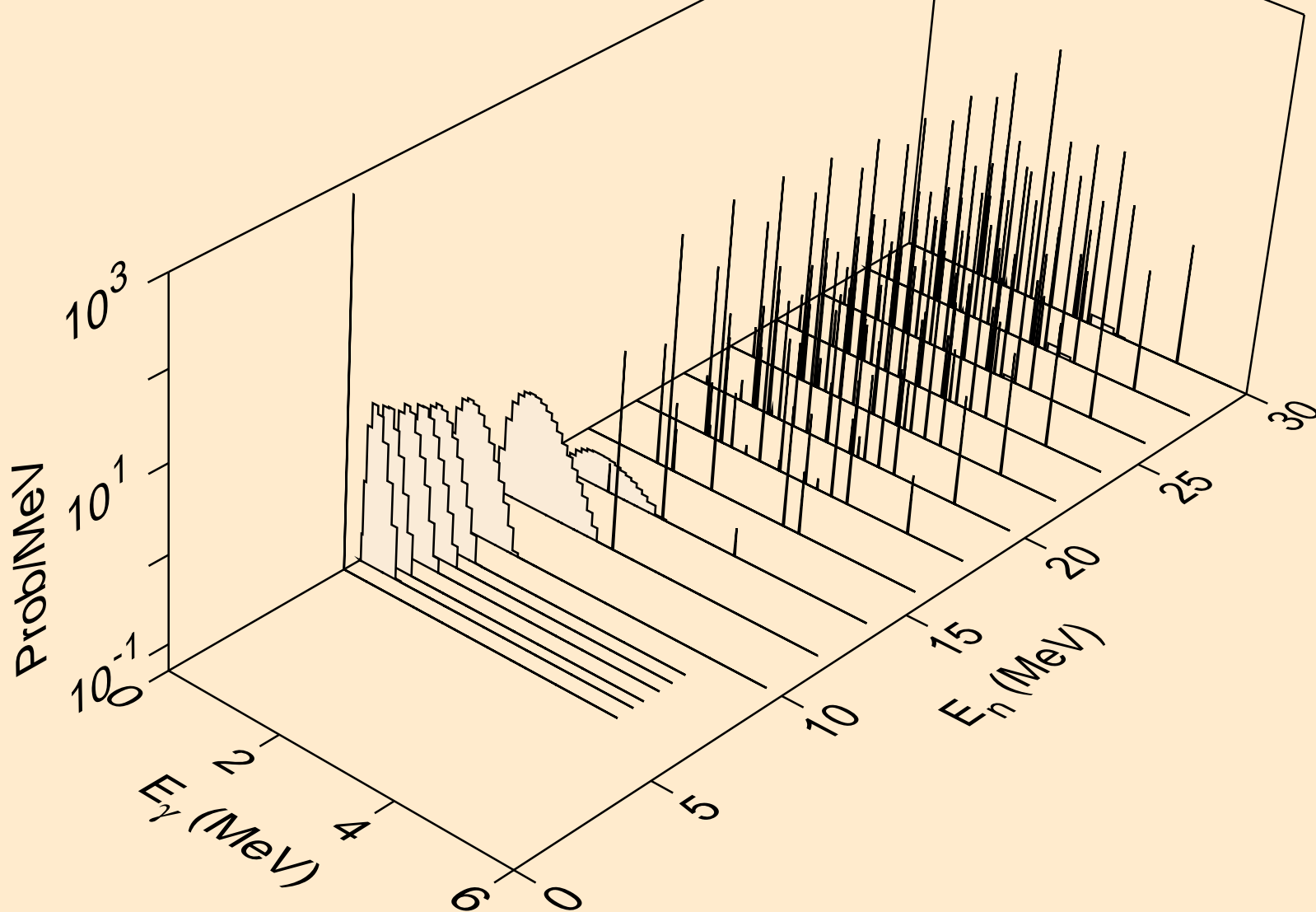


AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

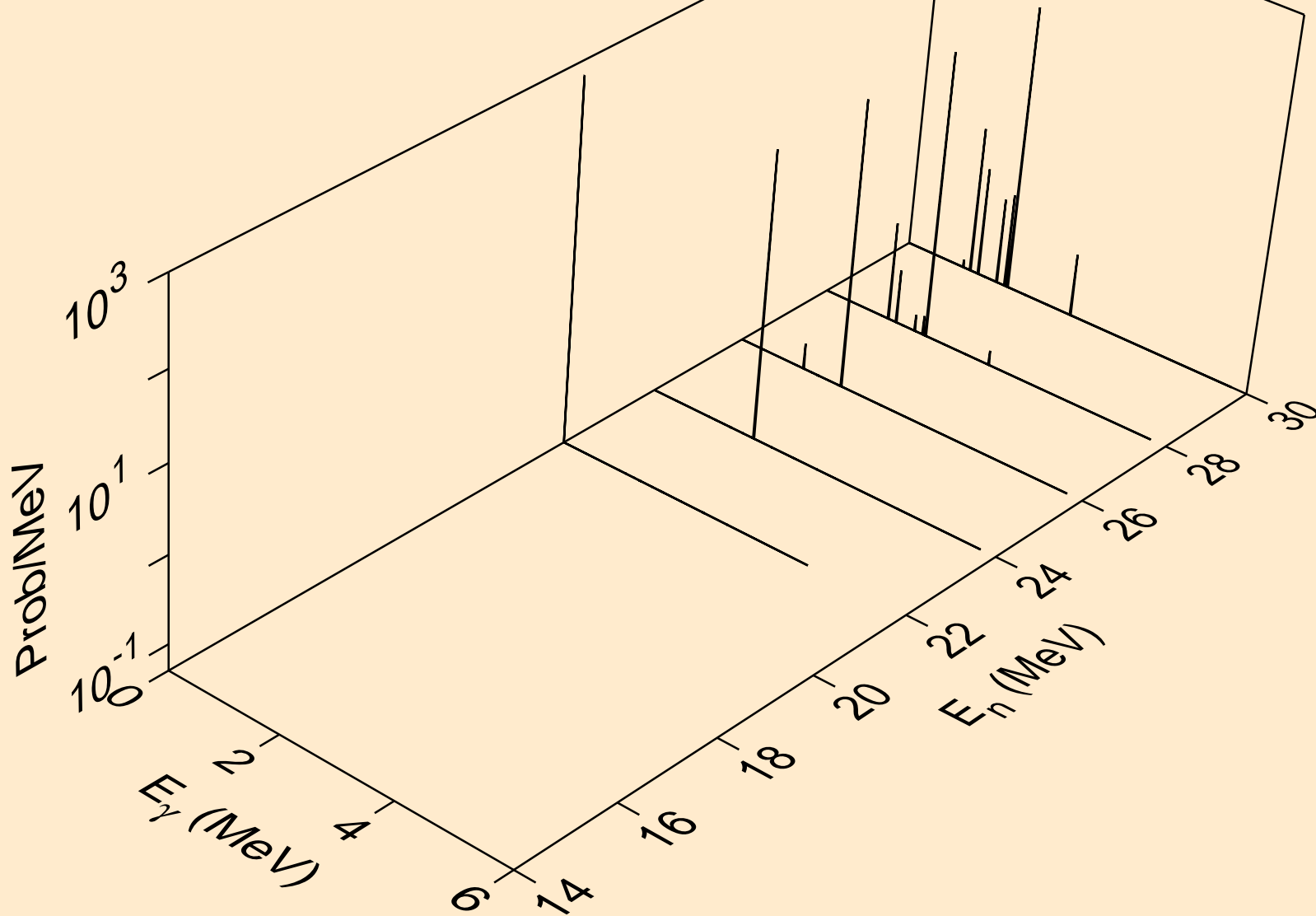




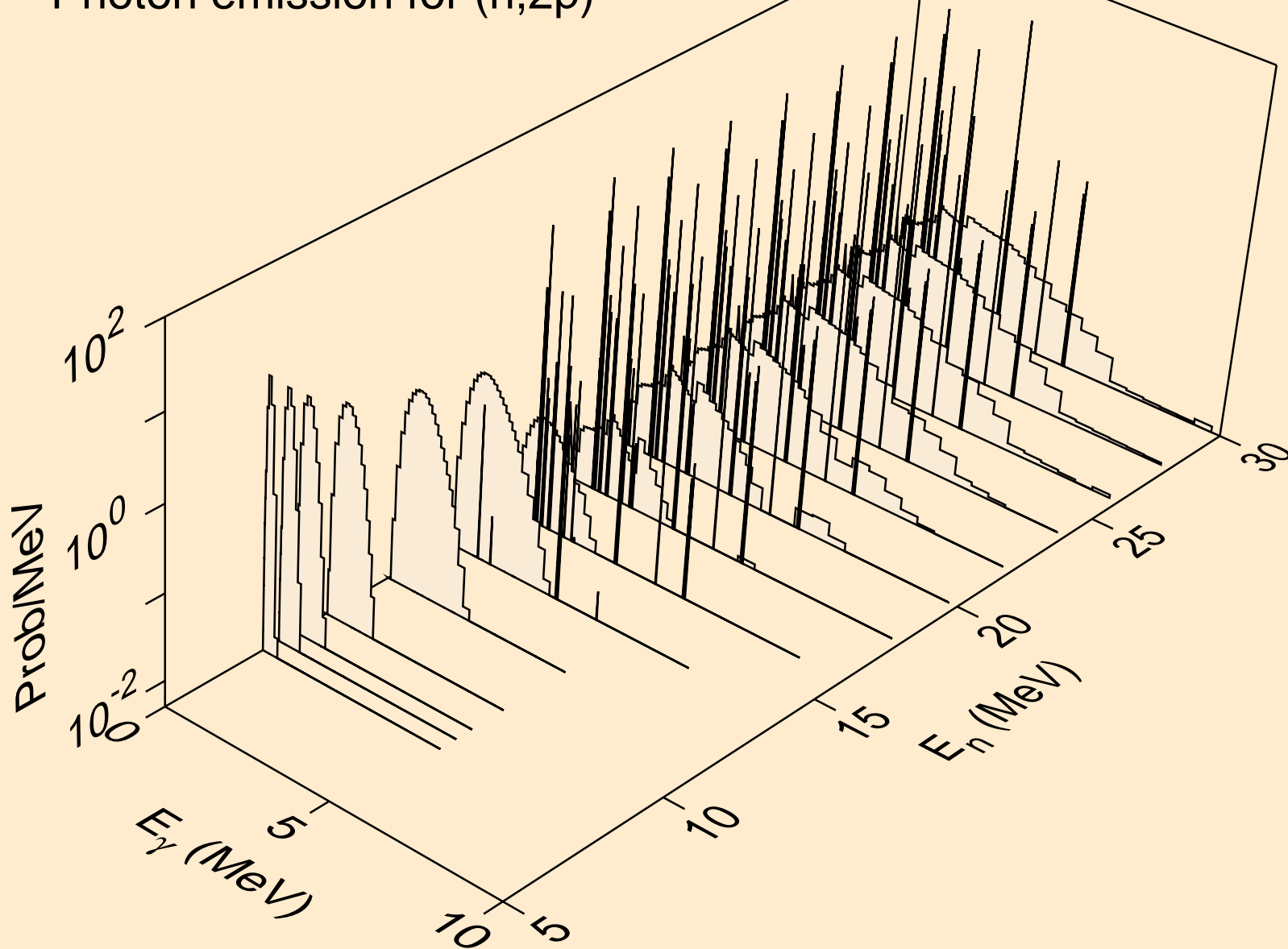
AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



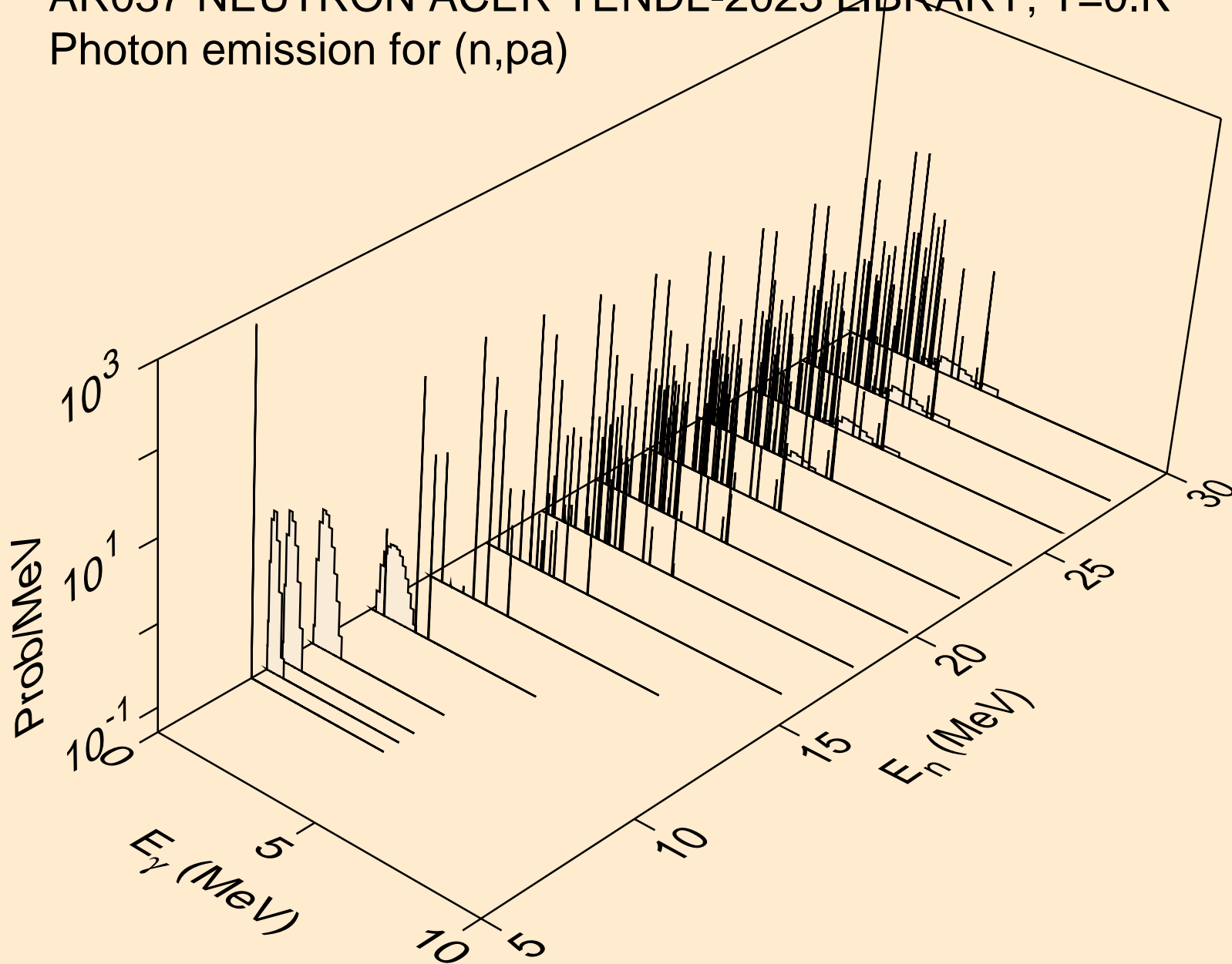
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Photon emission for (n,3a)



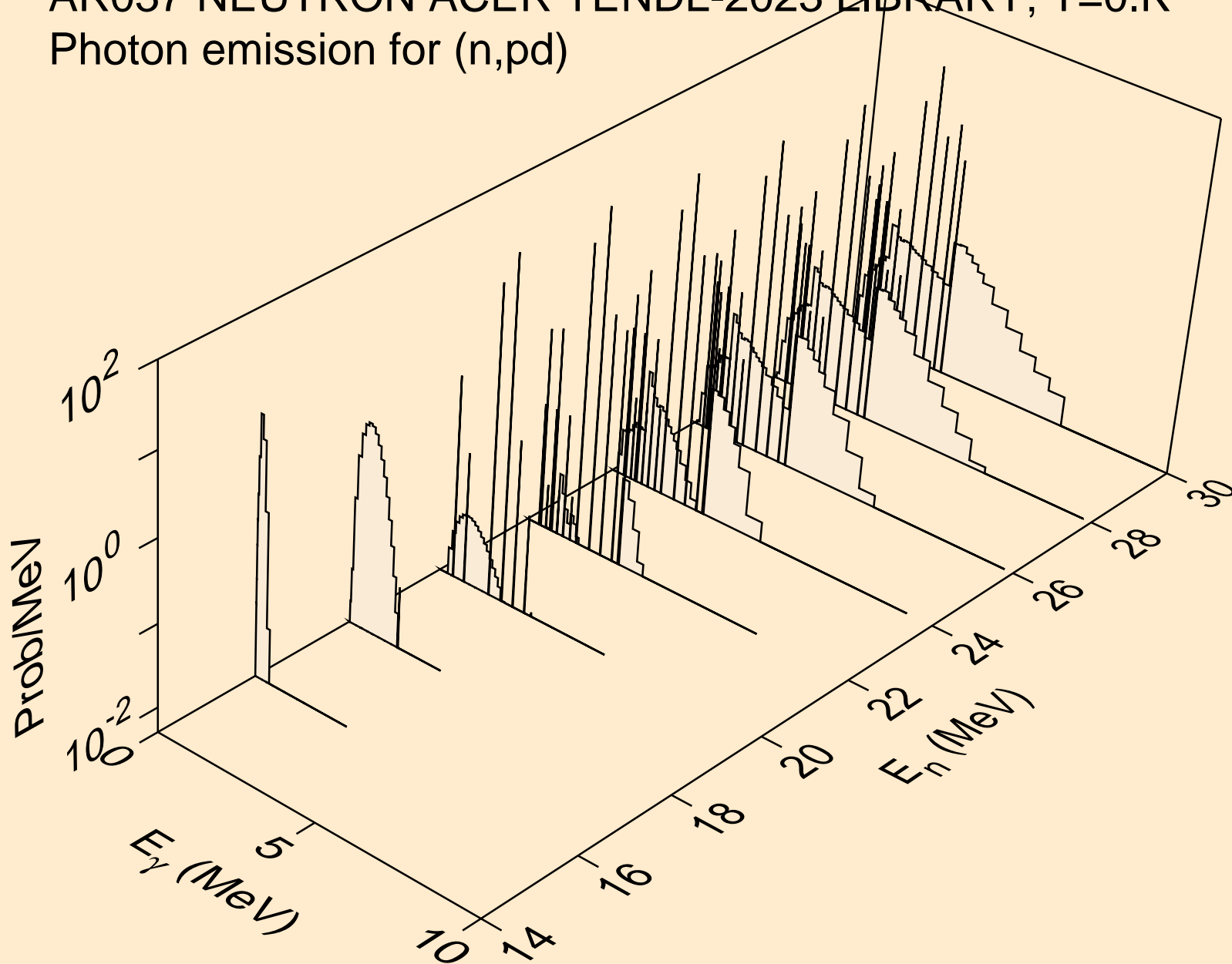
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Photon emission for (n,2p)



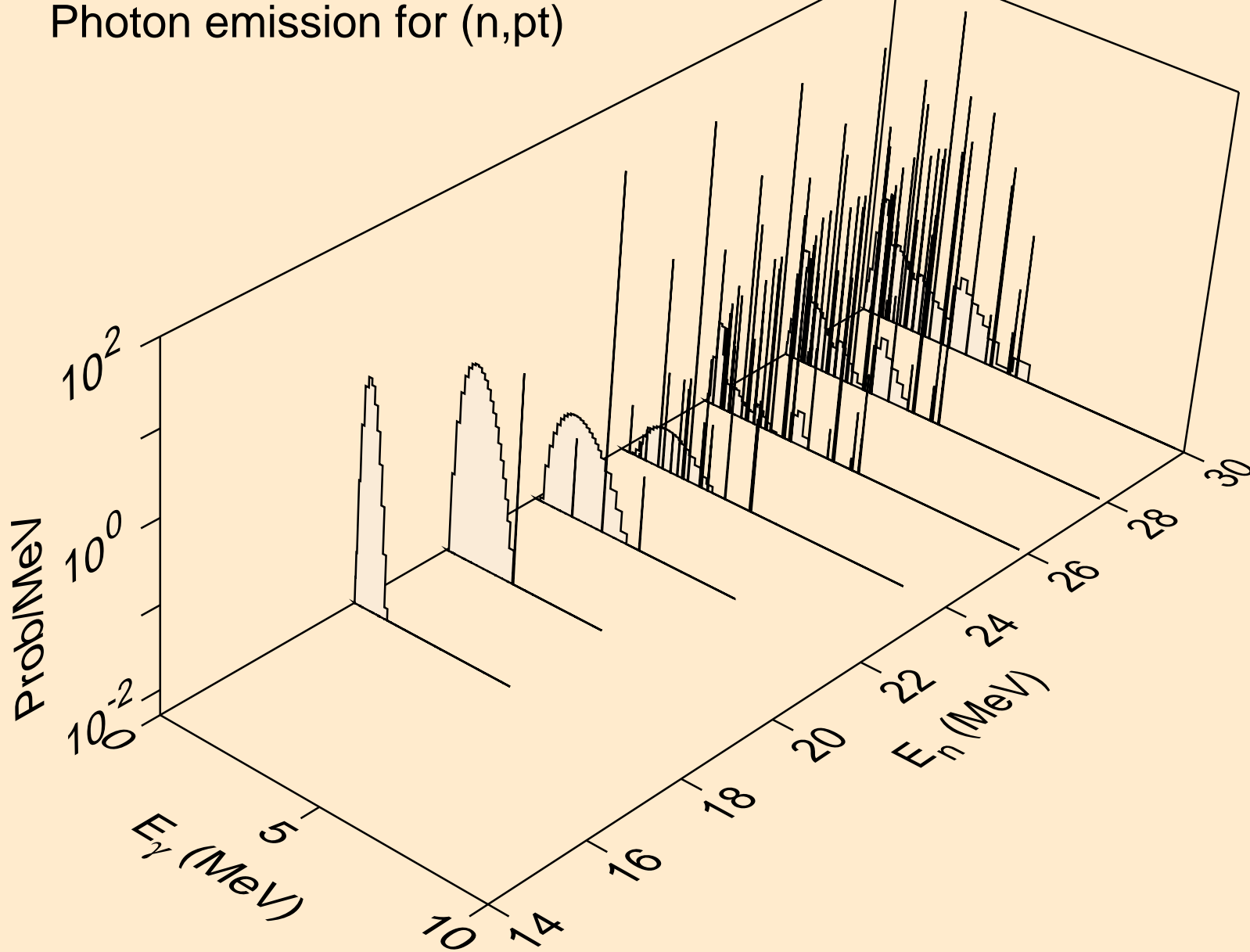
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Photon emission for (n,p $\alpha$ )



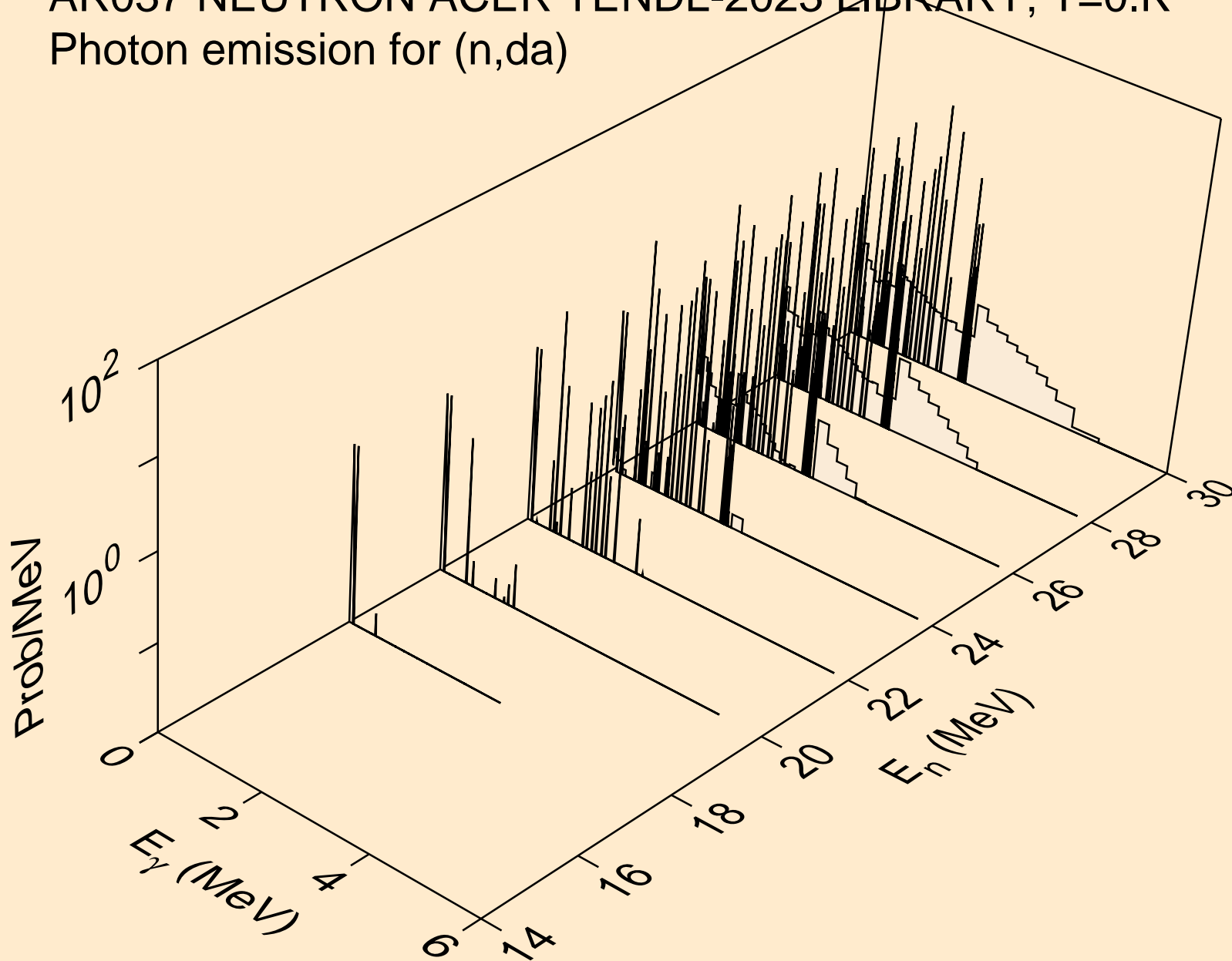
AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



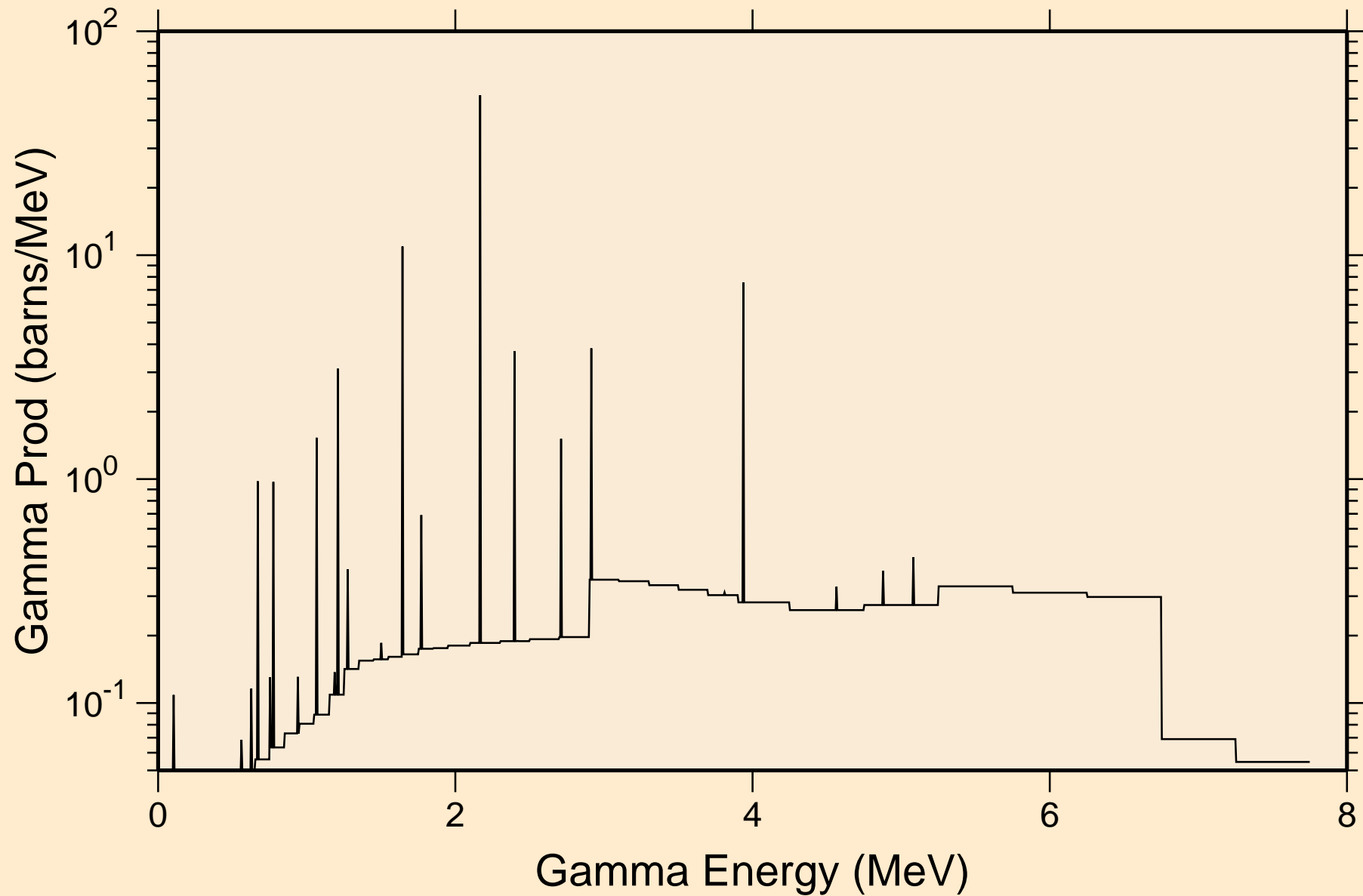
AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

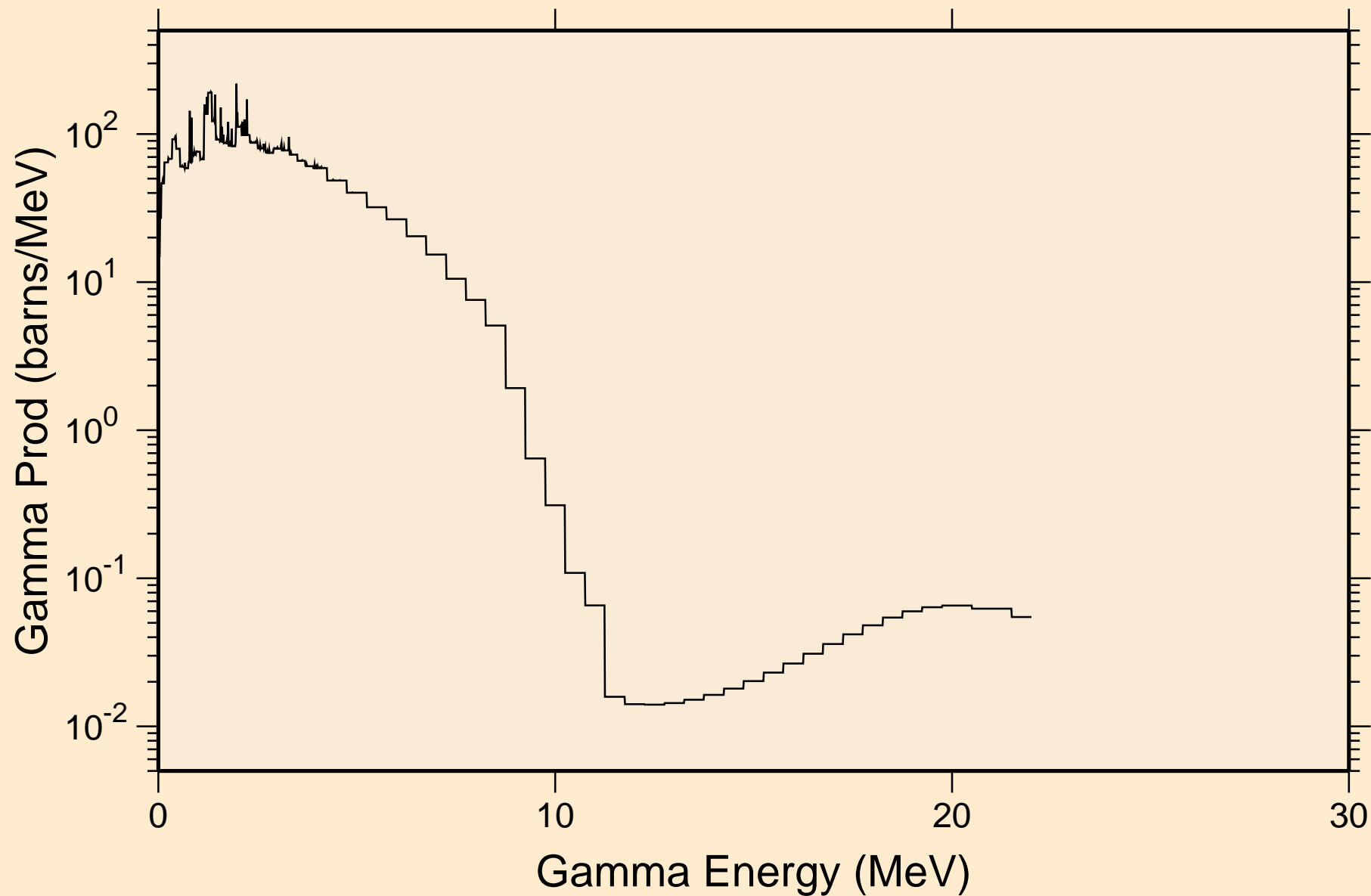


AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum



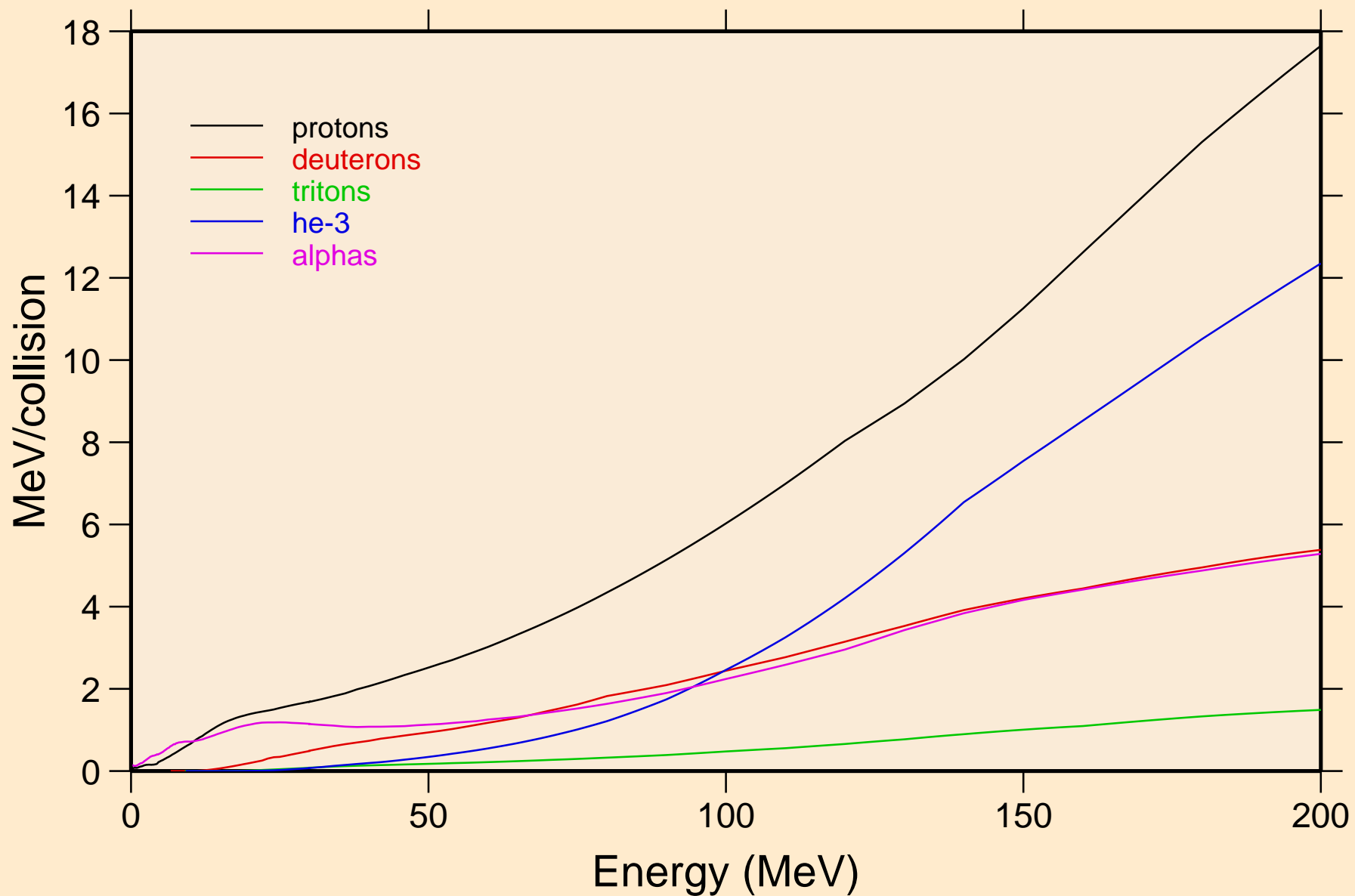


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14 MeV photon spectrum

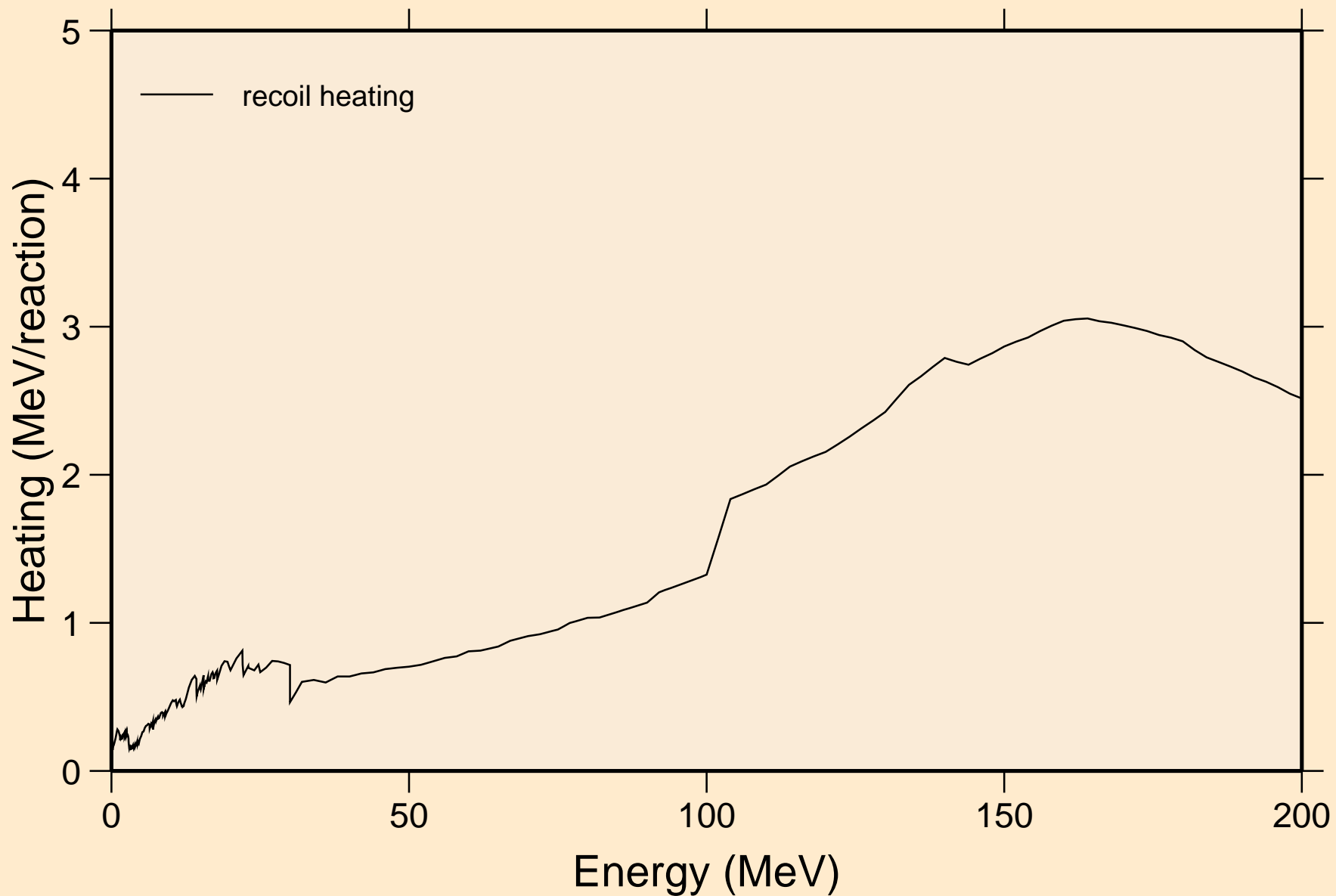


# AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

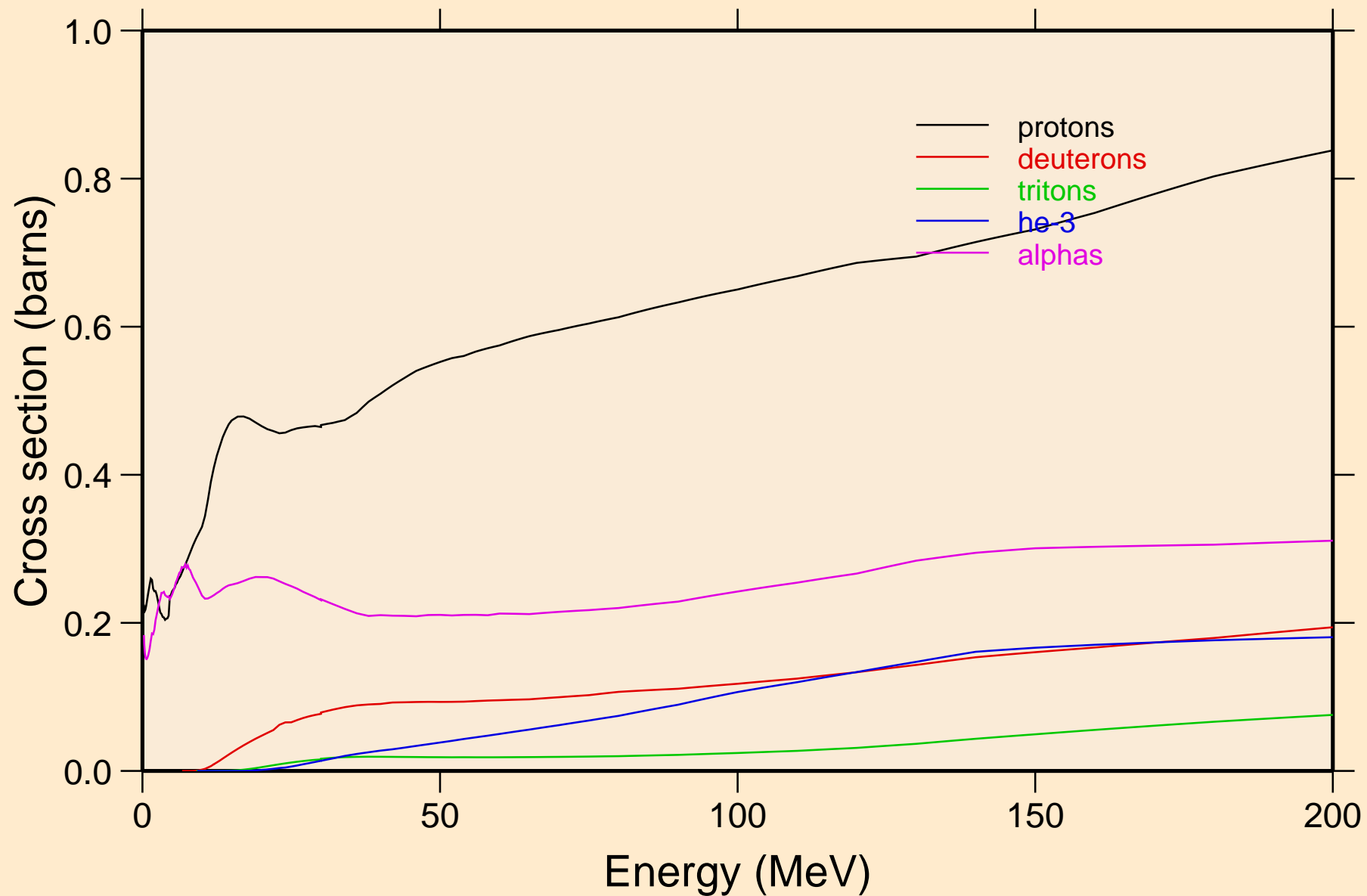


AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

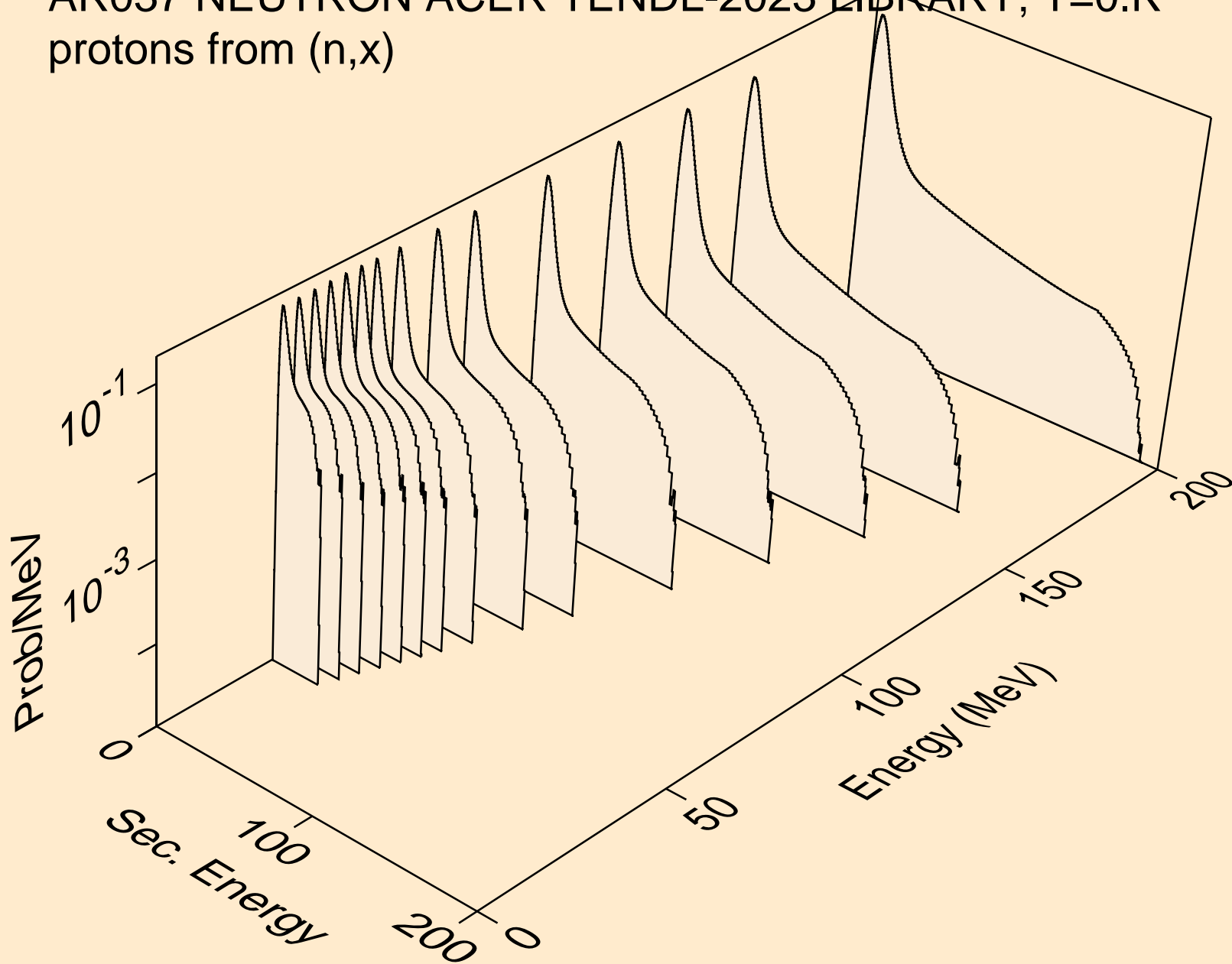


# AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

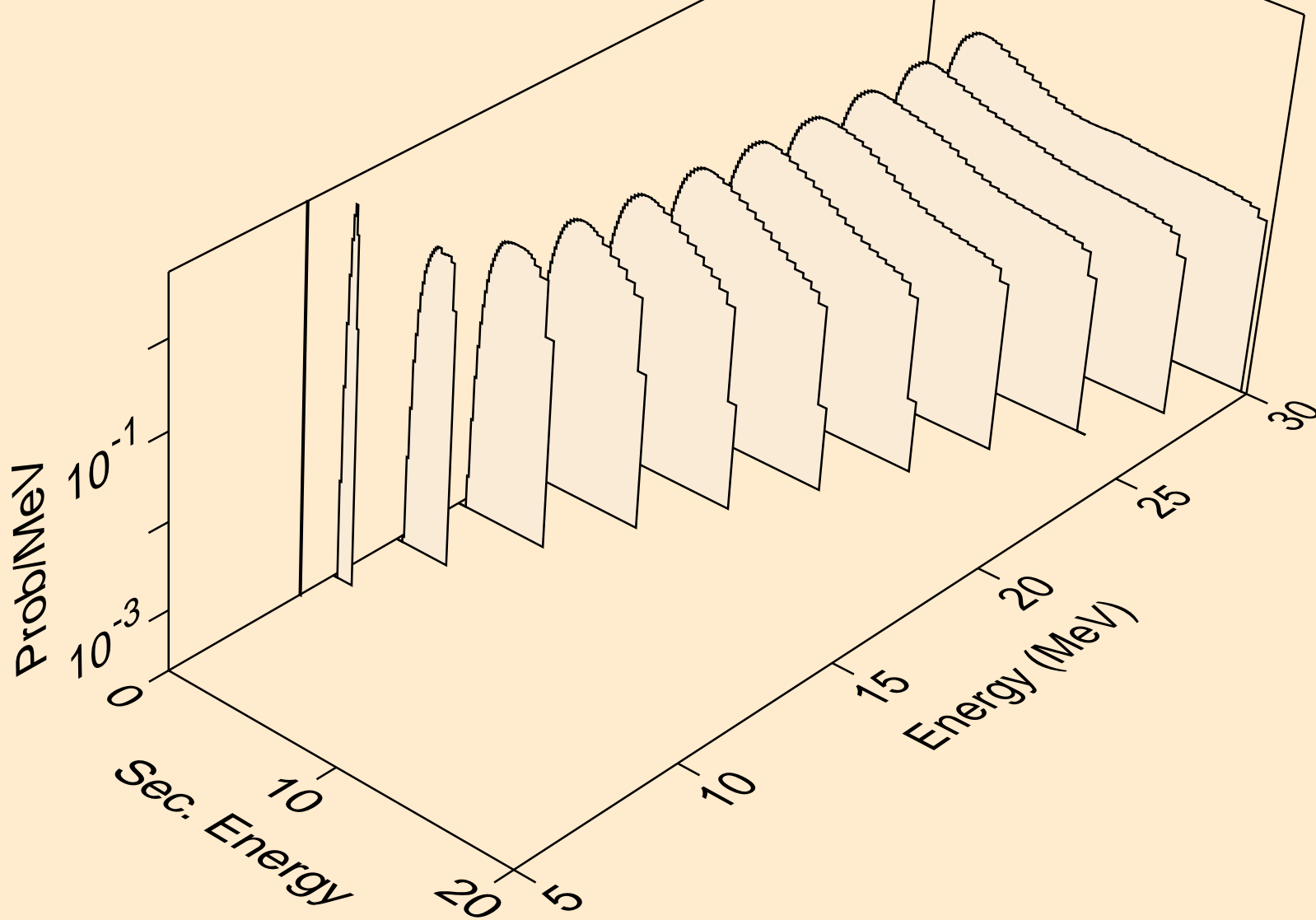
## Particle production cross sections



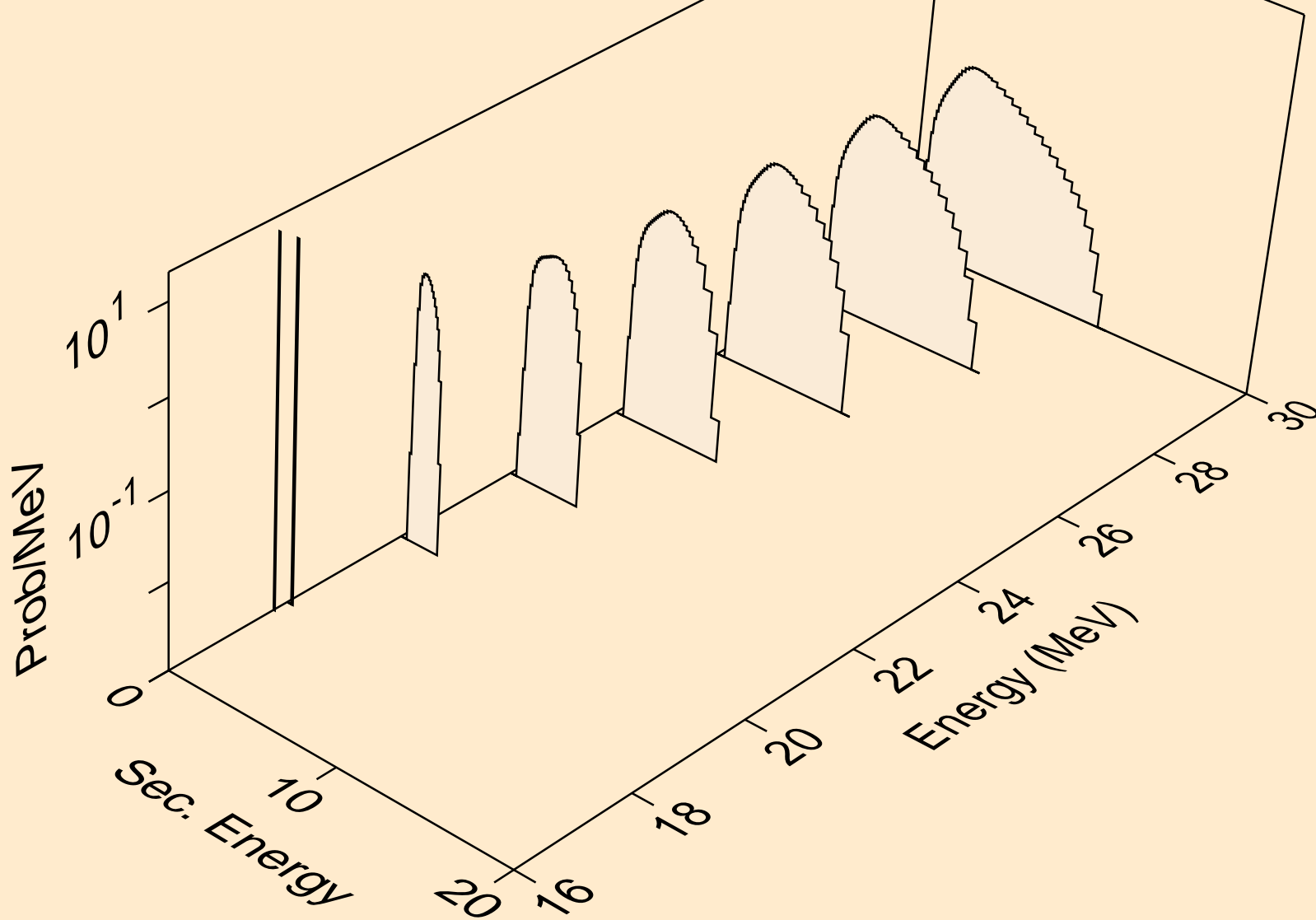
AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



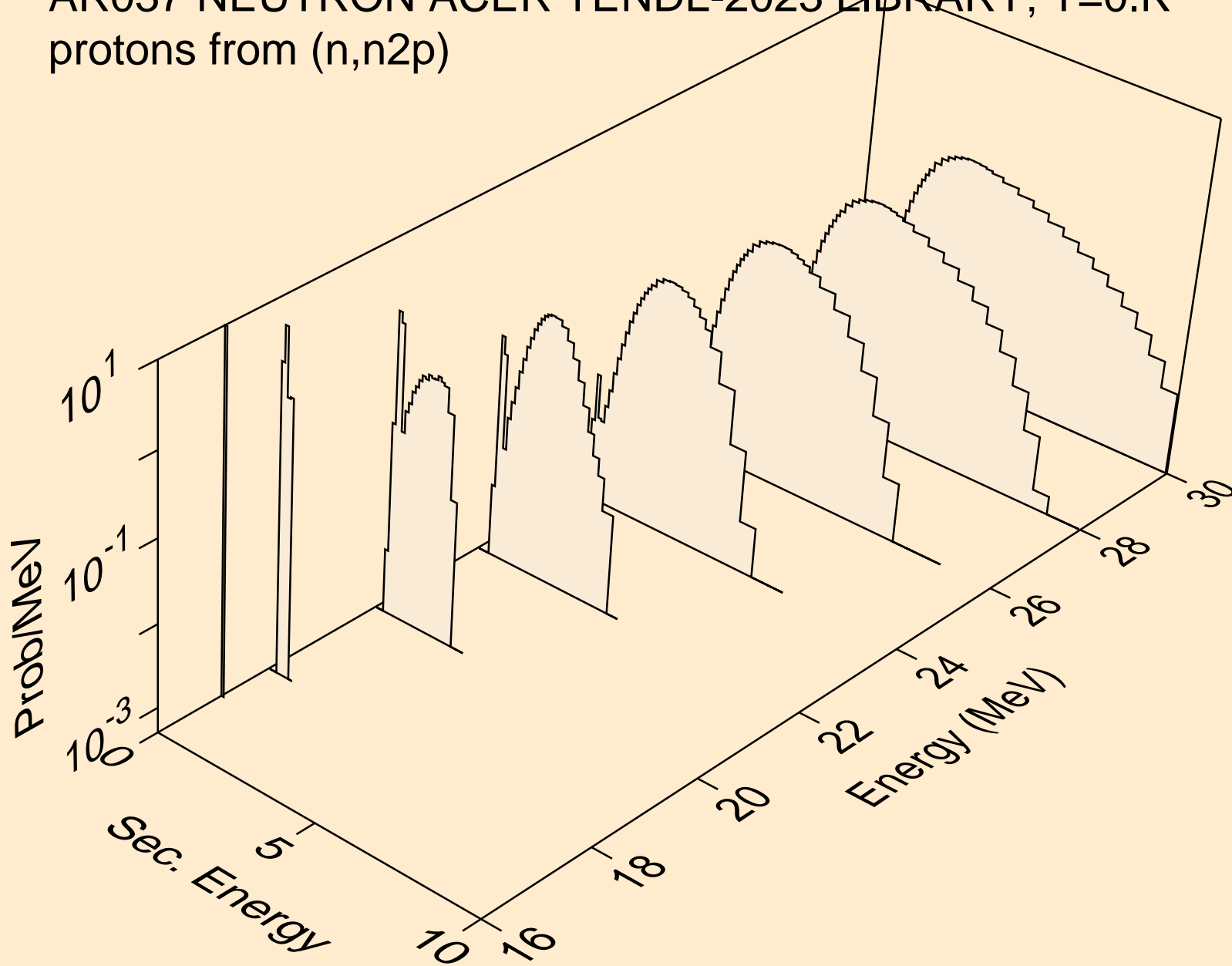
AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)

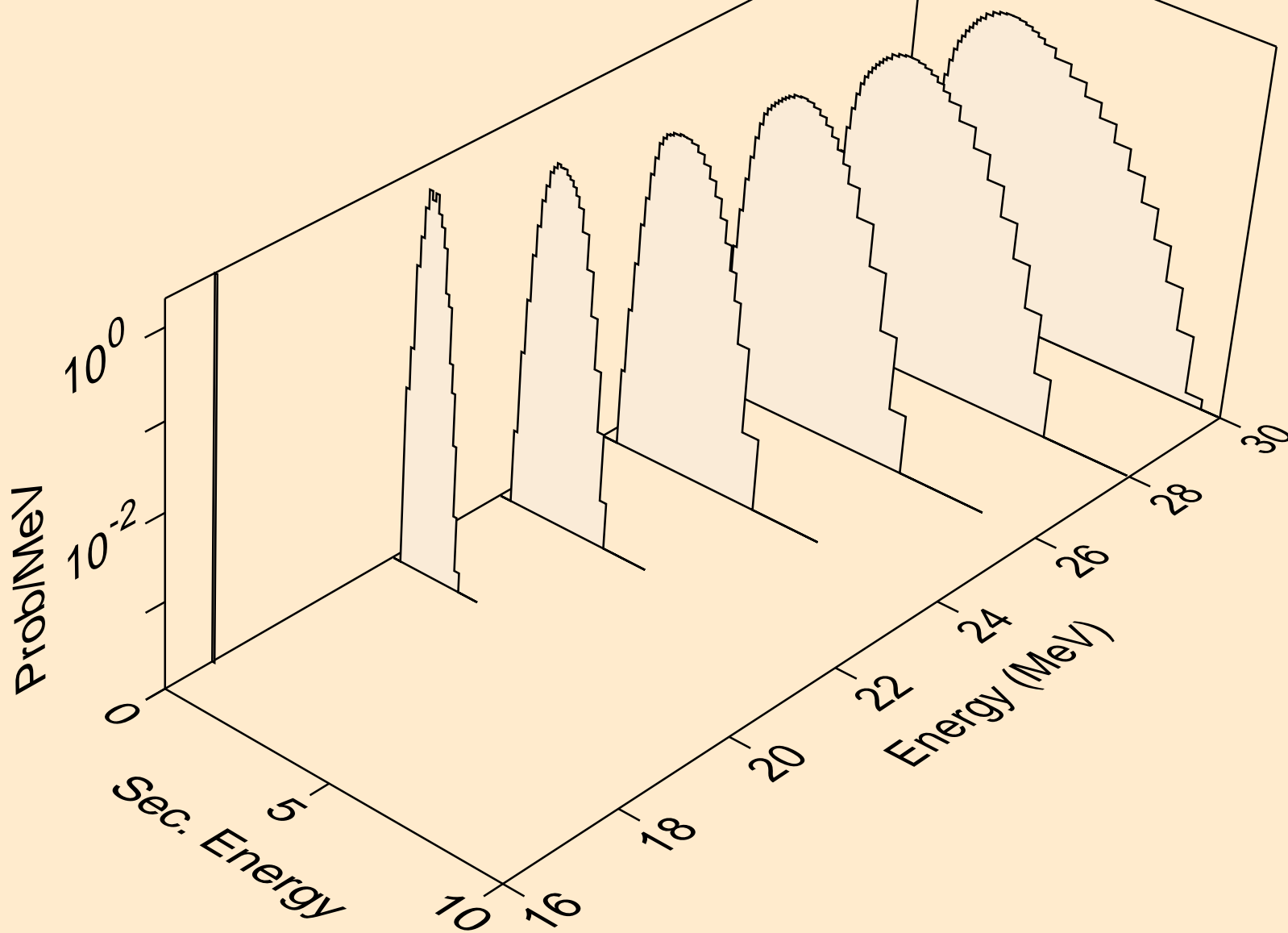


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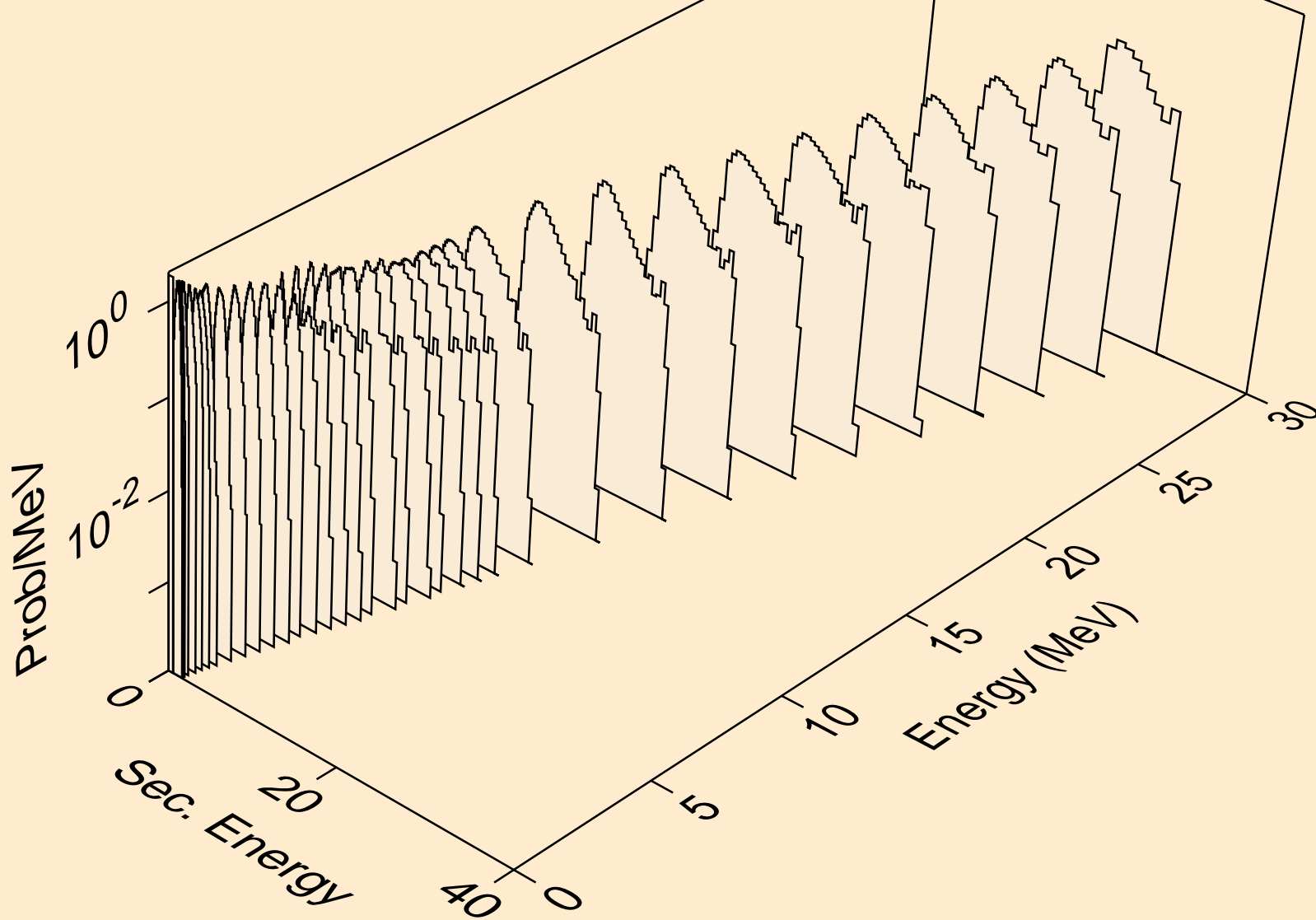




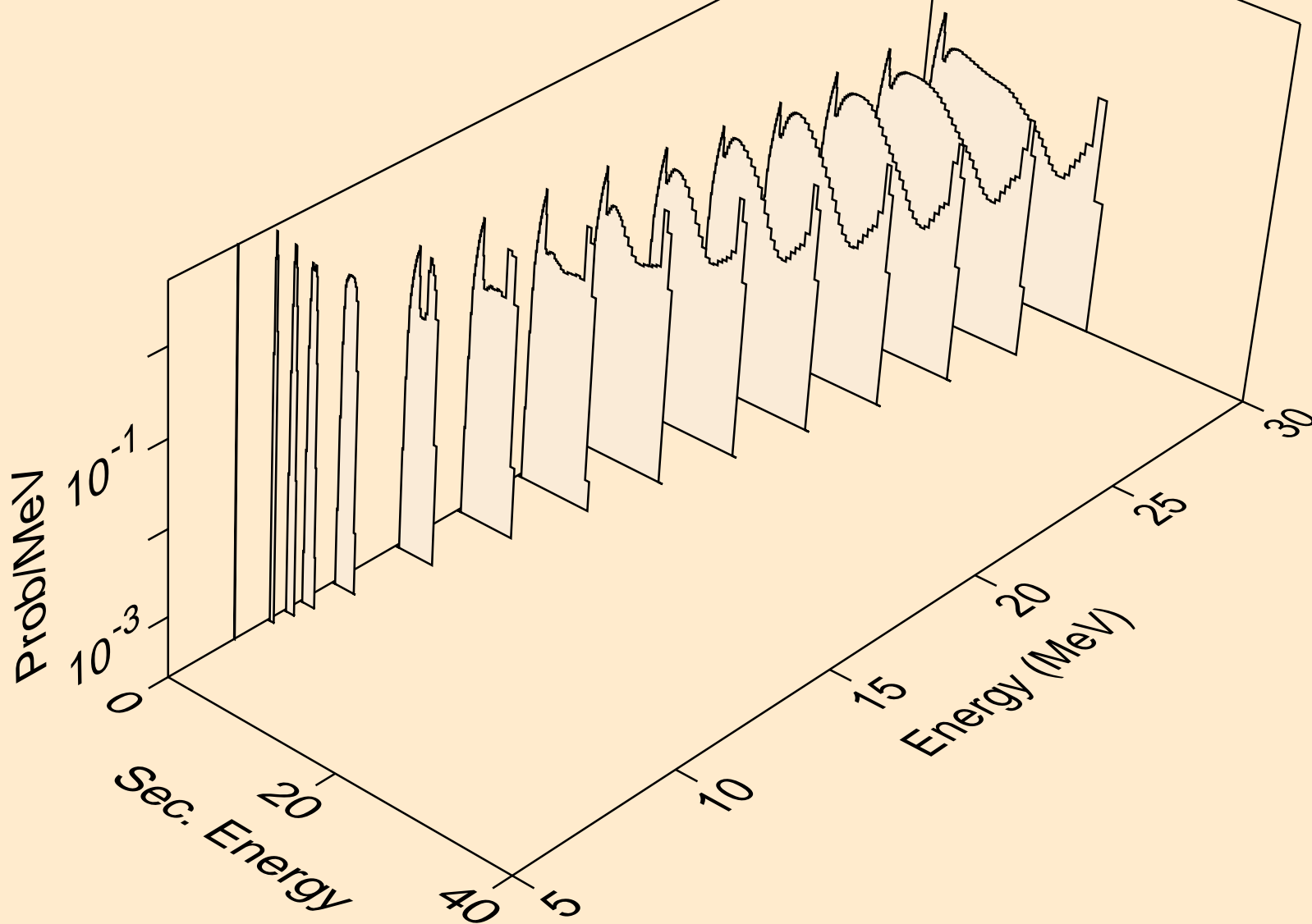
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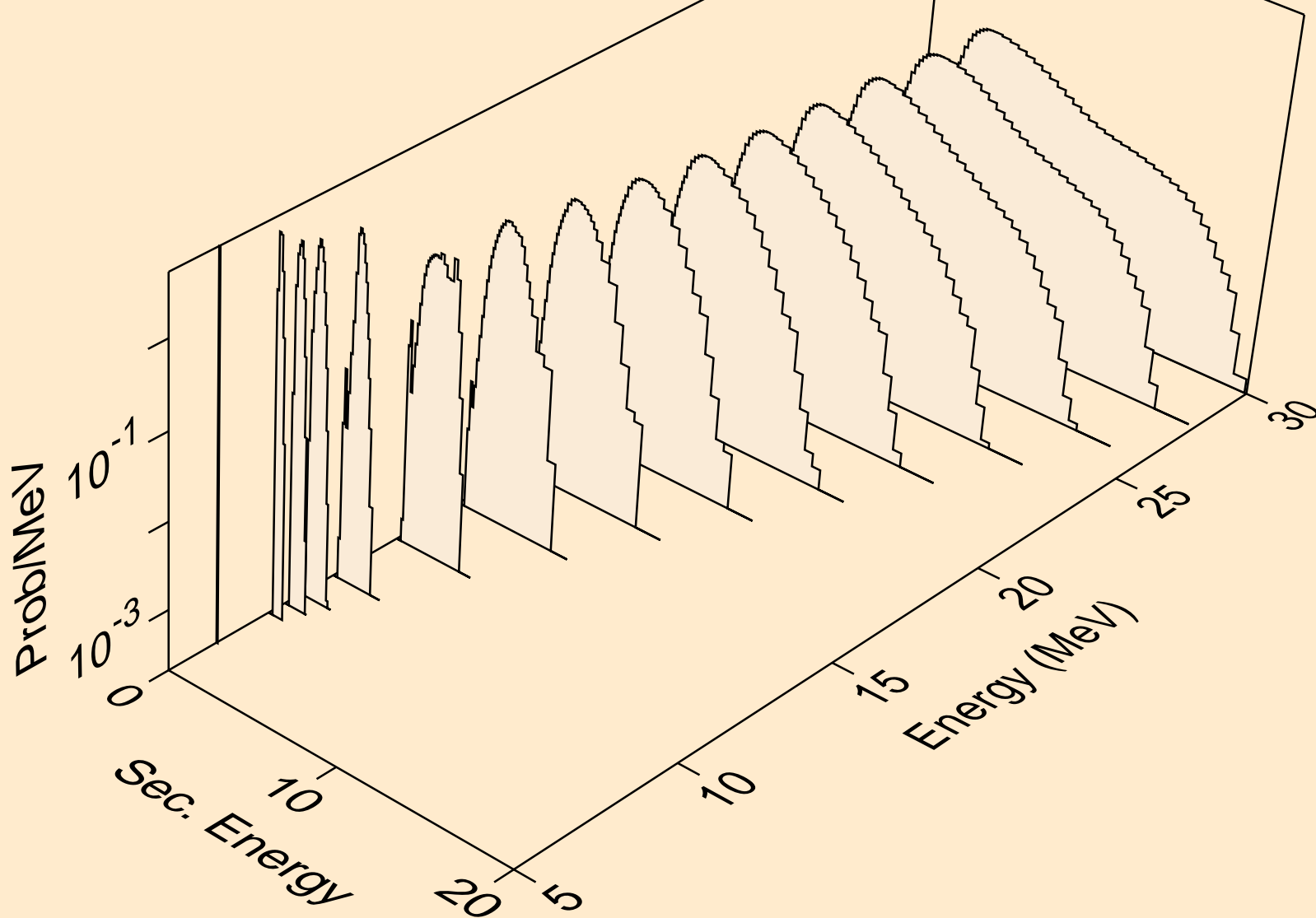
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protons from (n,p)



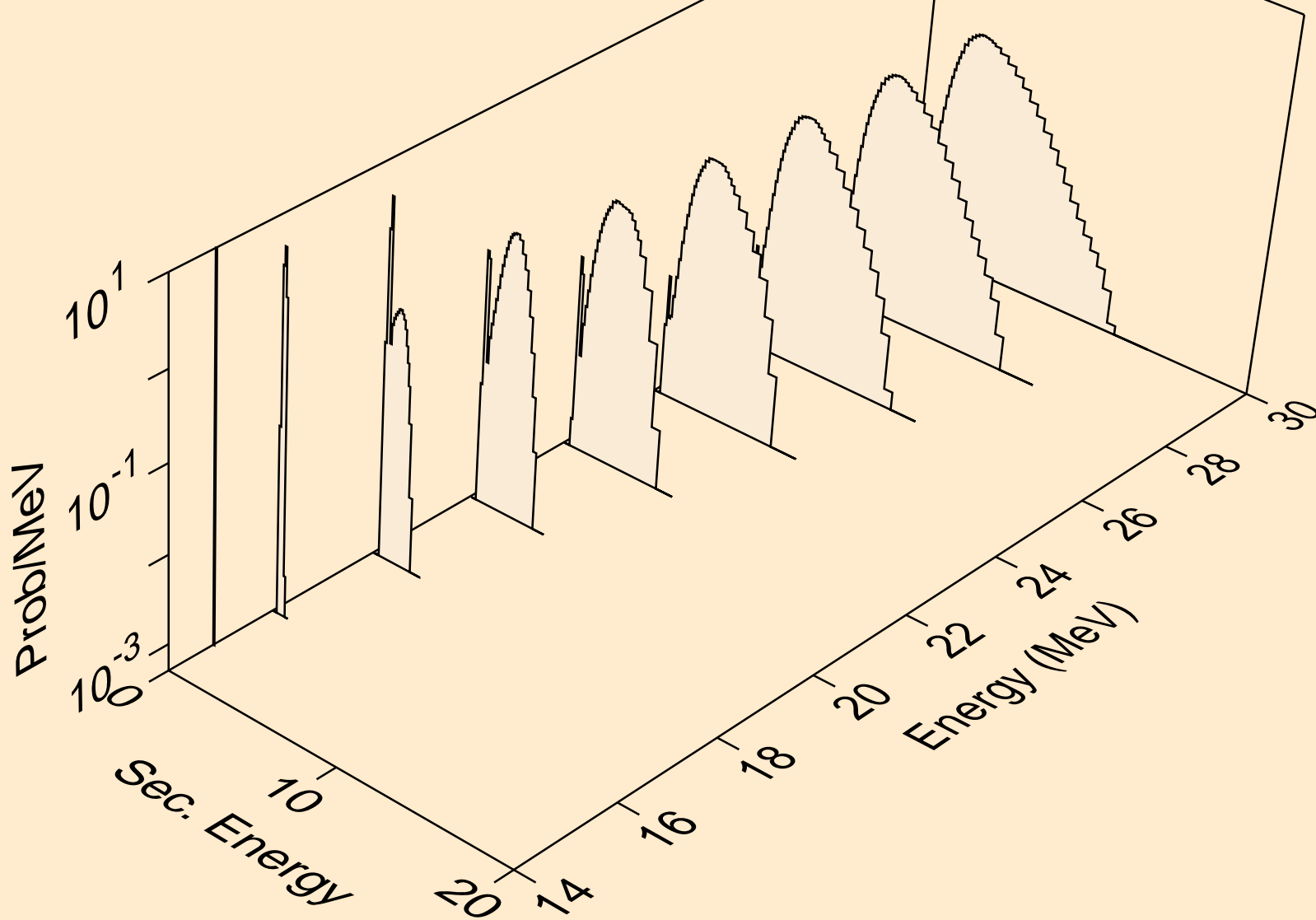
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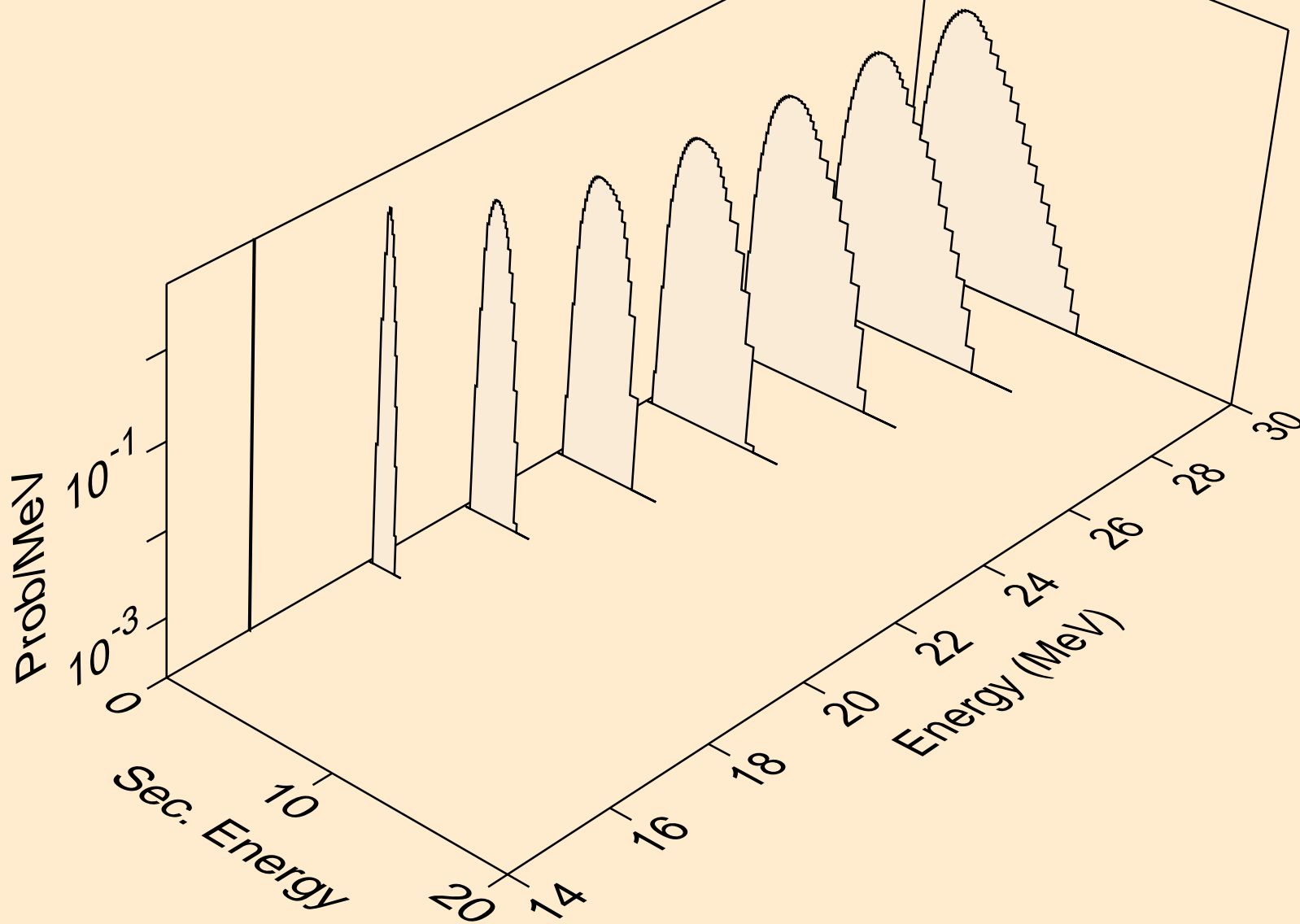
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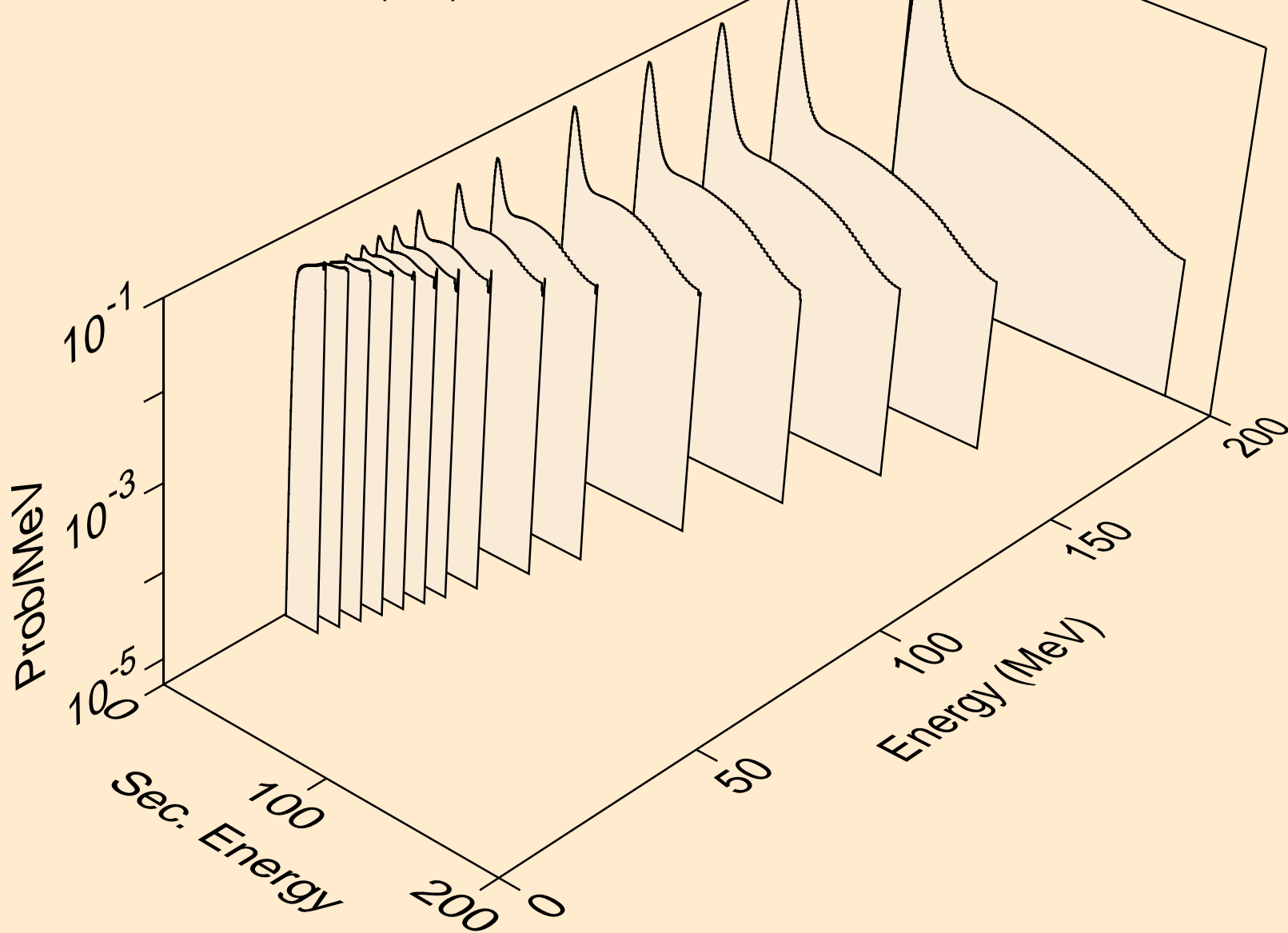
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protons from (n,pd)



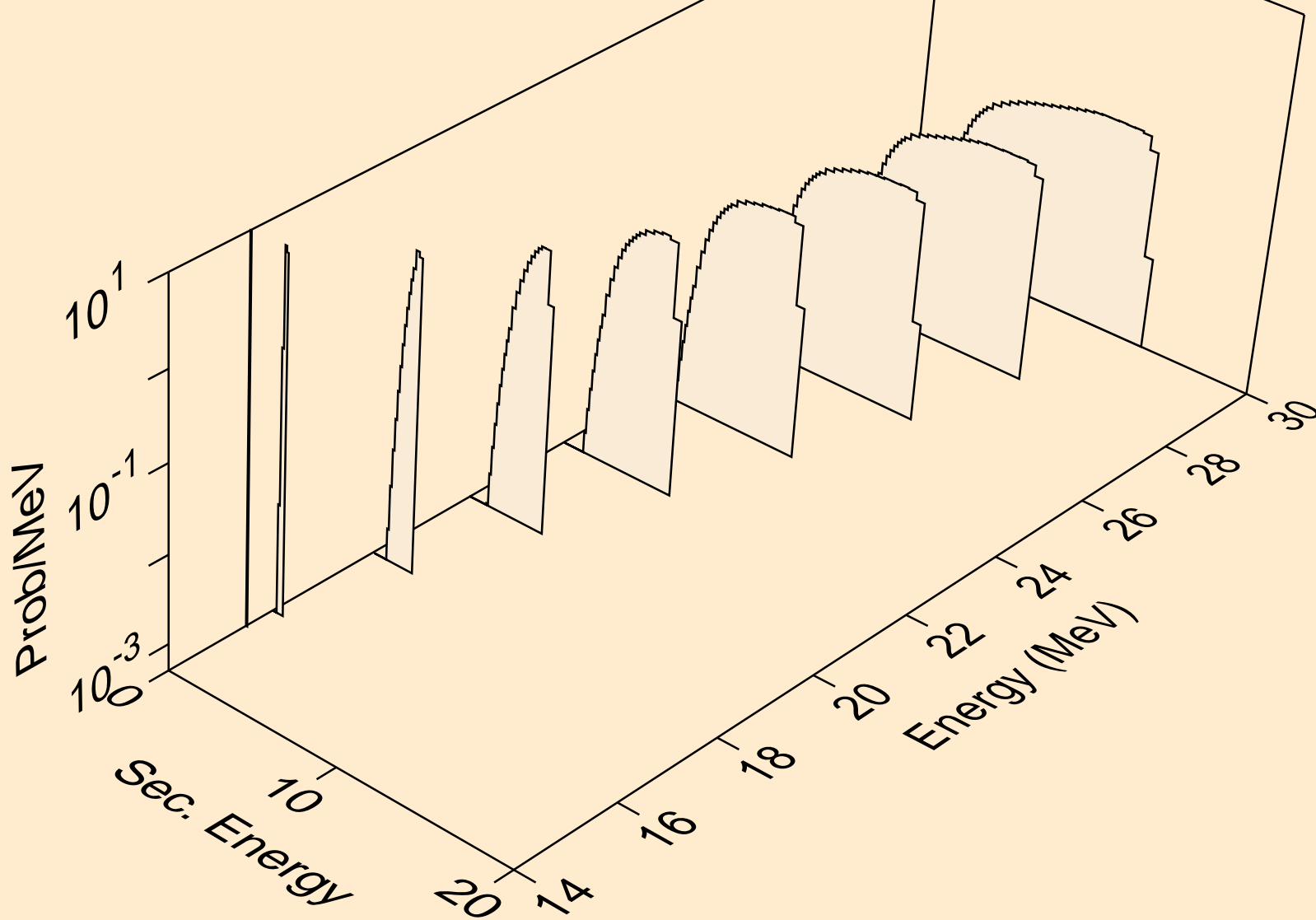
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protons from (n,pt)



AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)

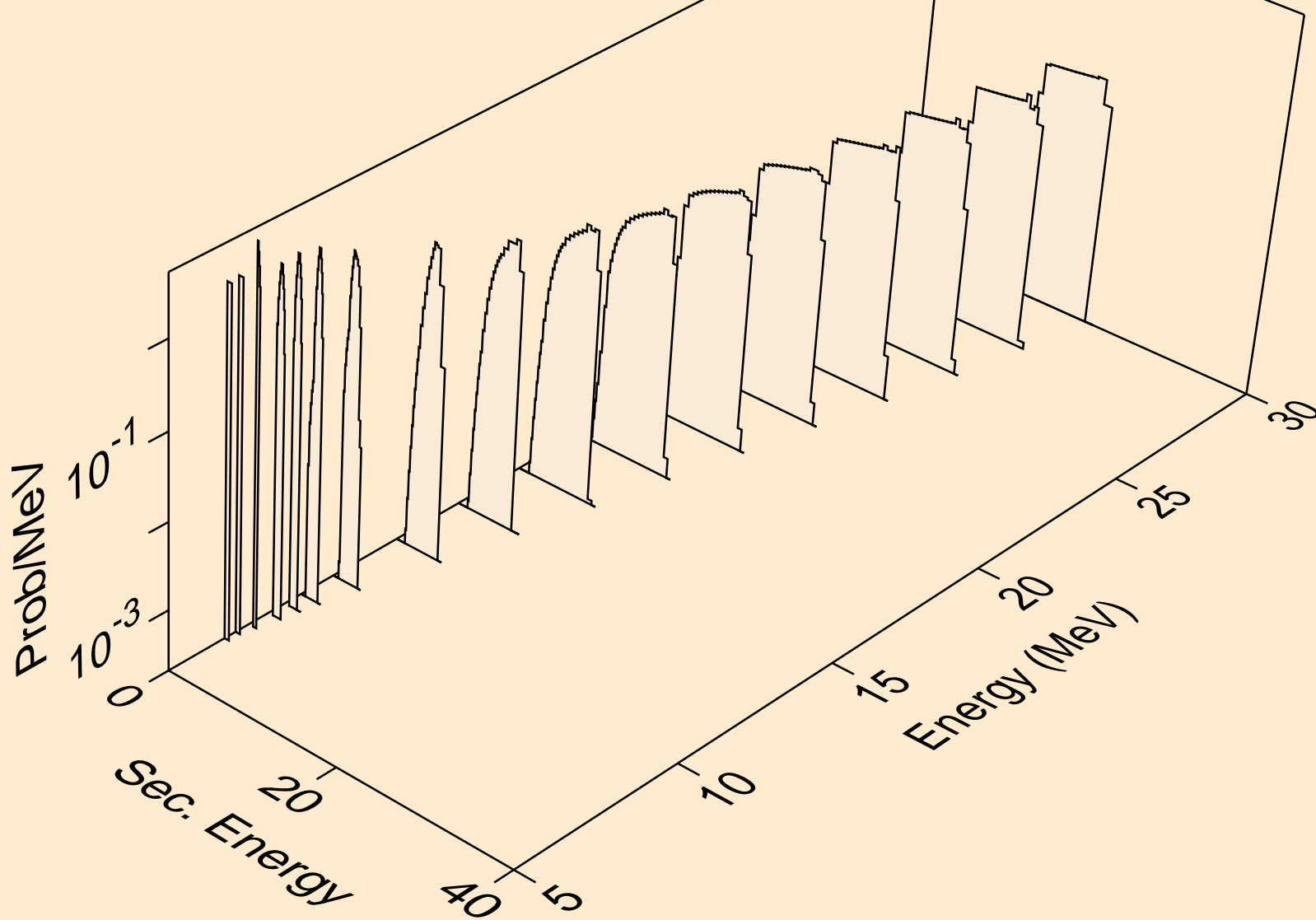


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deuterons from (n,n\*)d

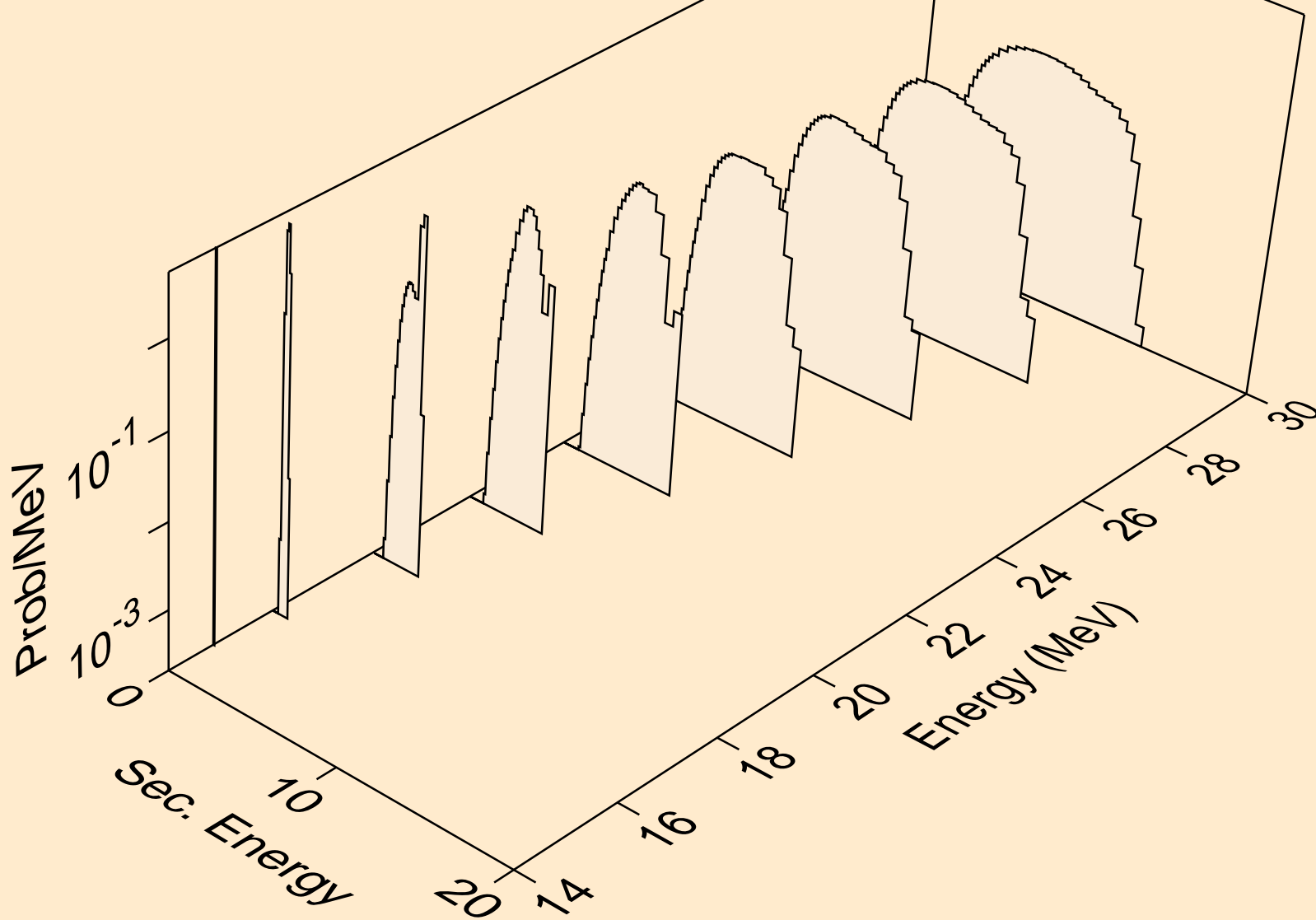




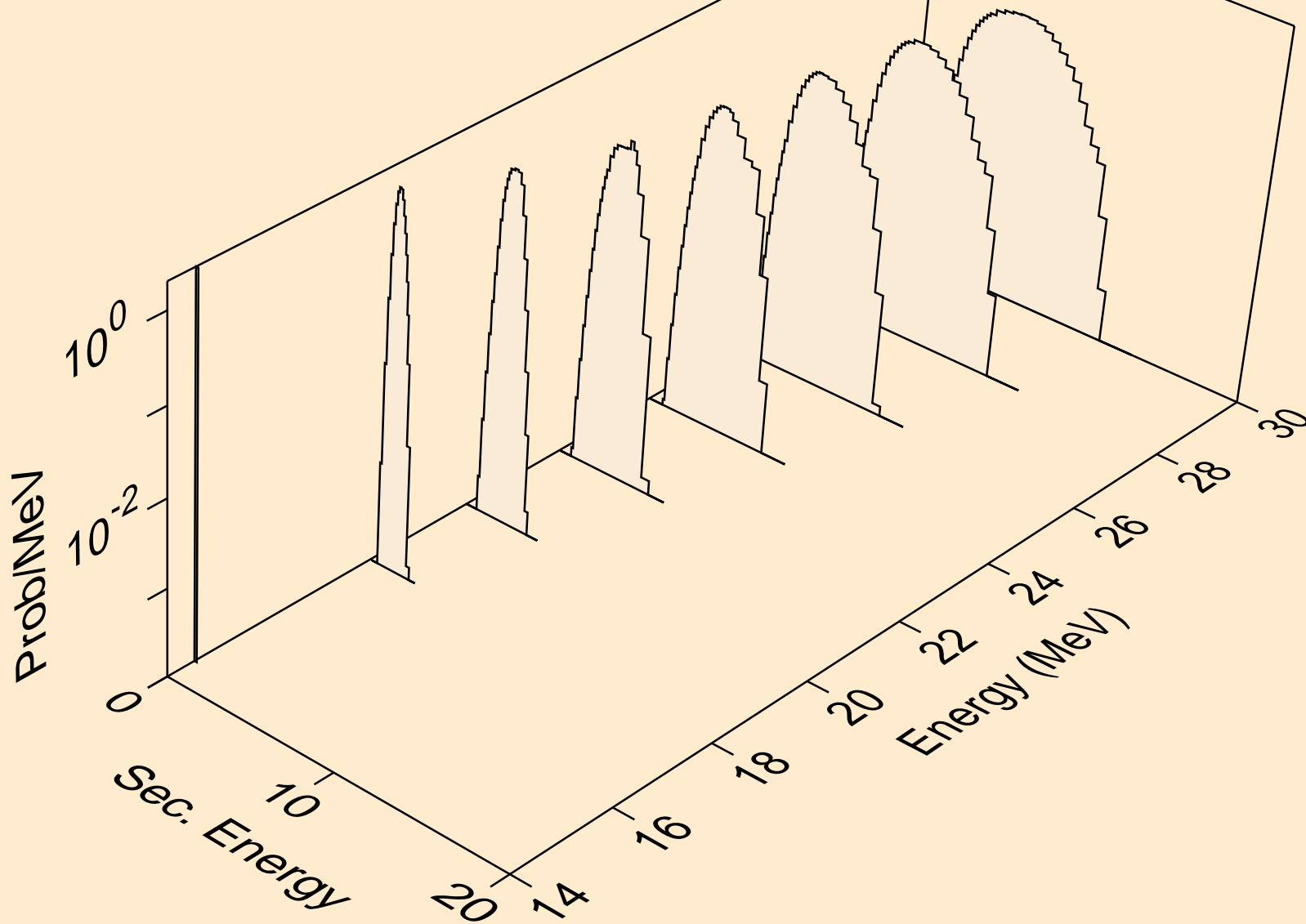
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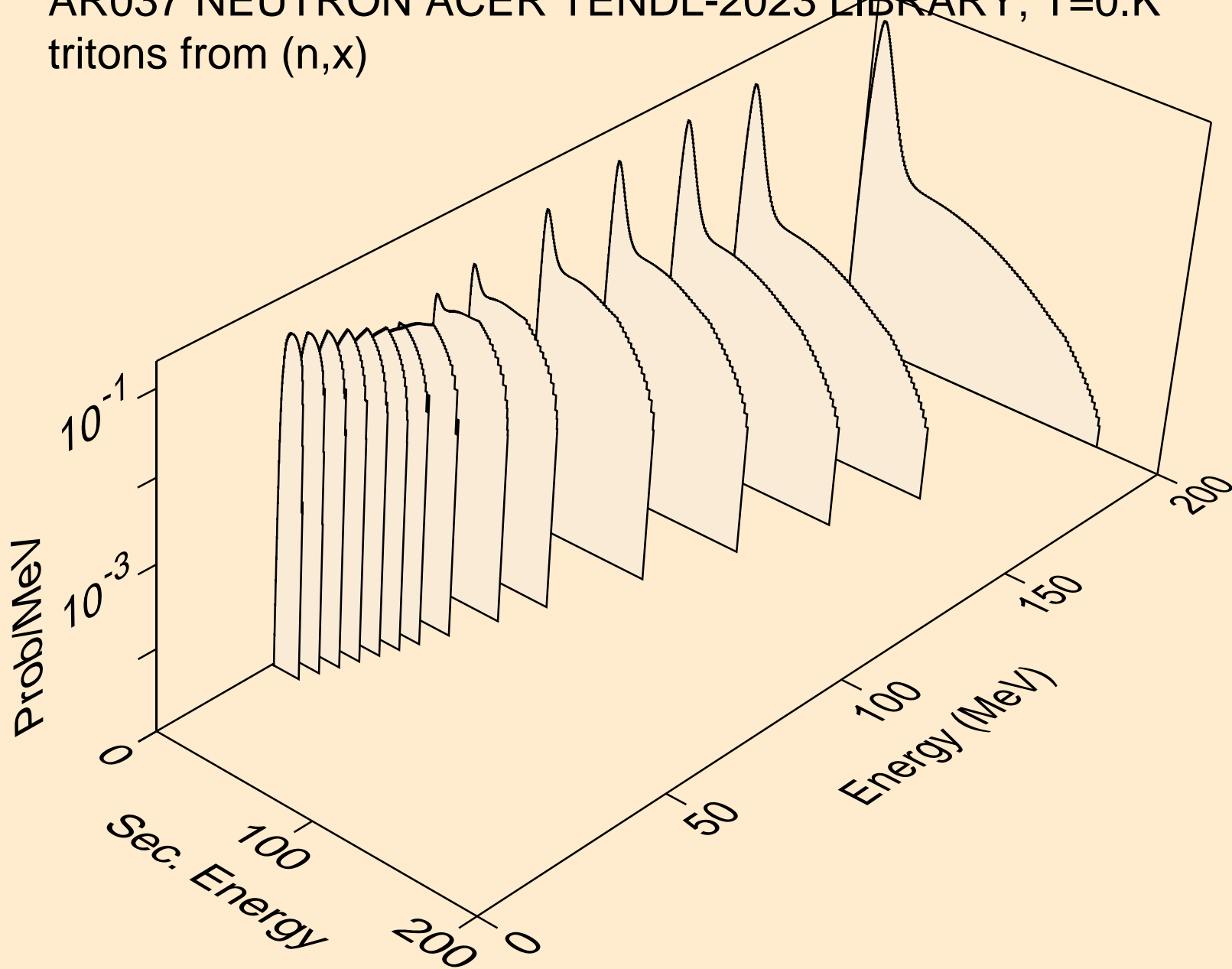
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deuterons from (n,pd)



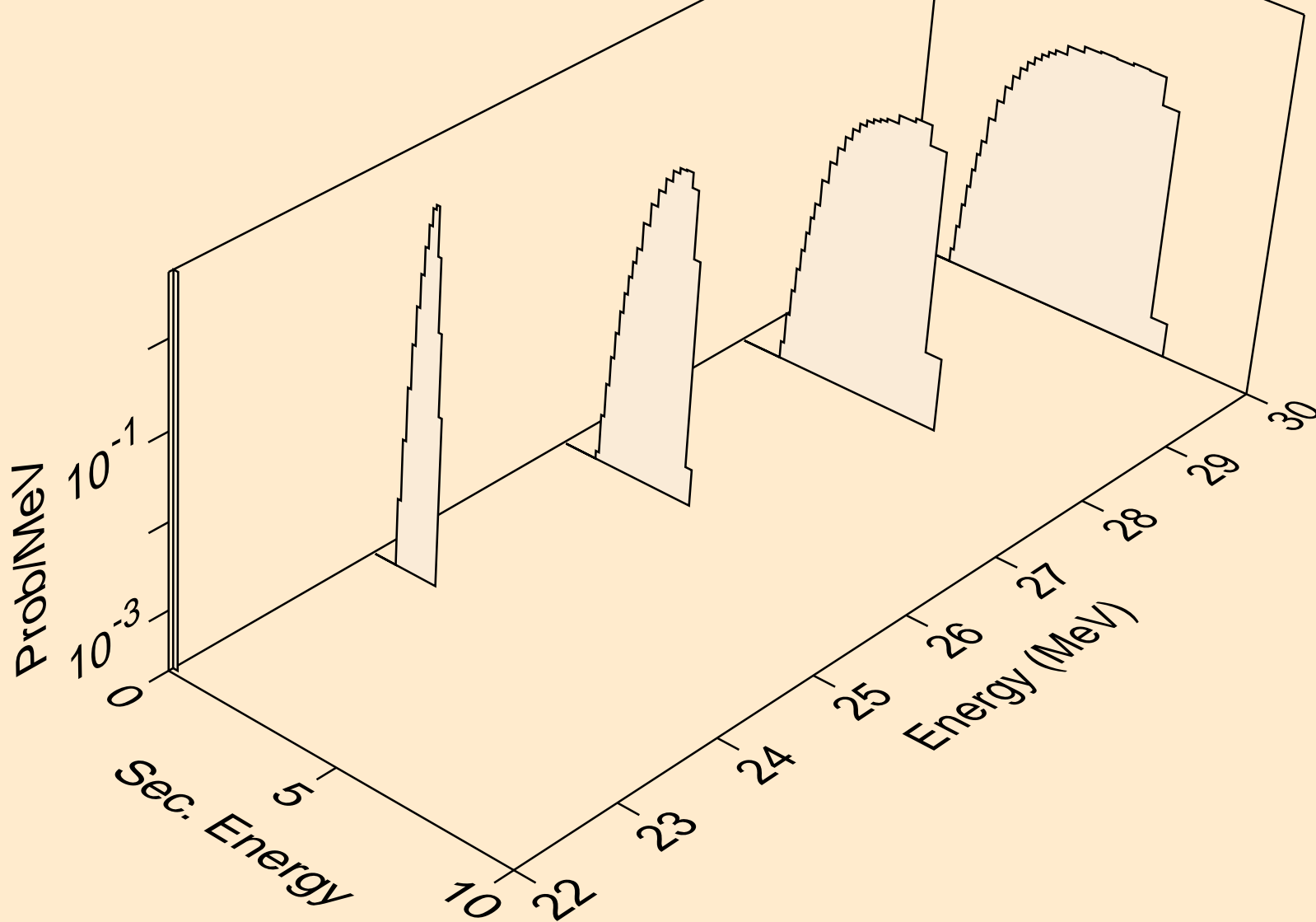
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deuterons from (n,da)



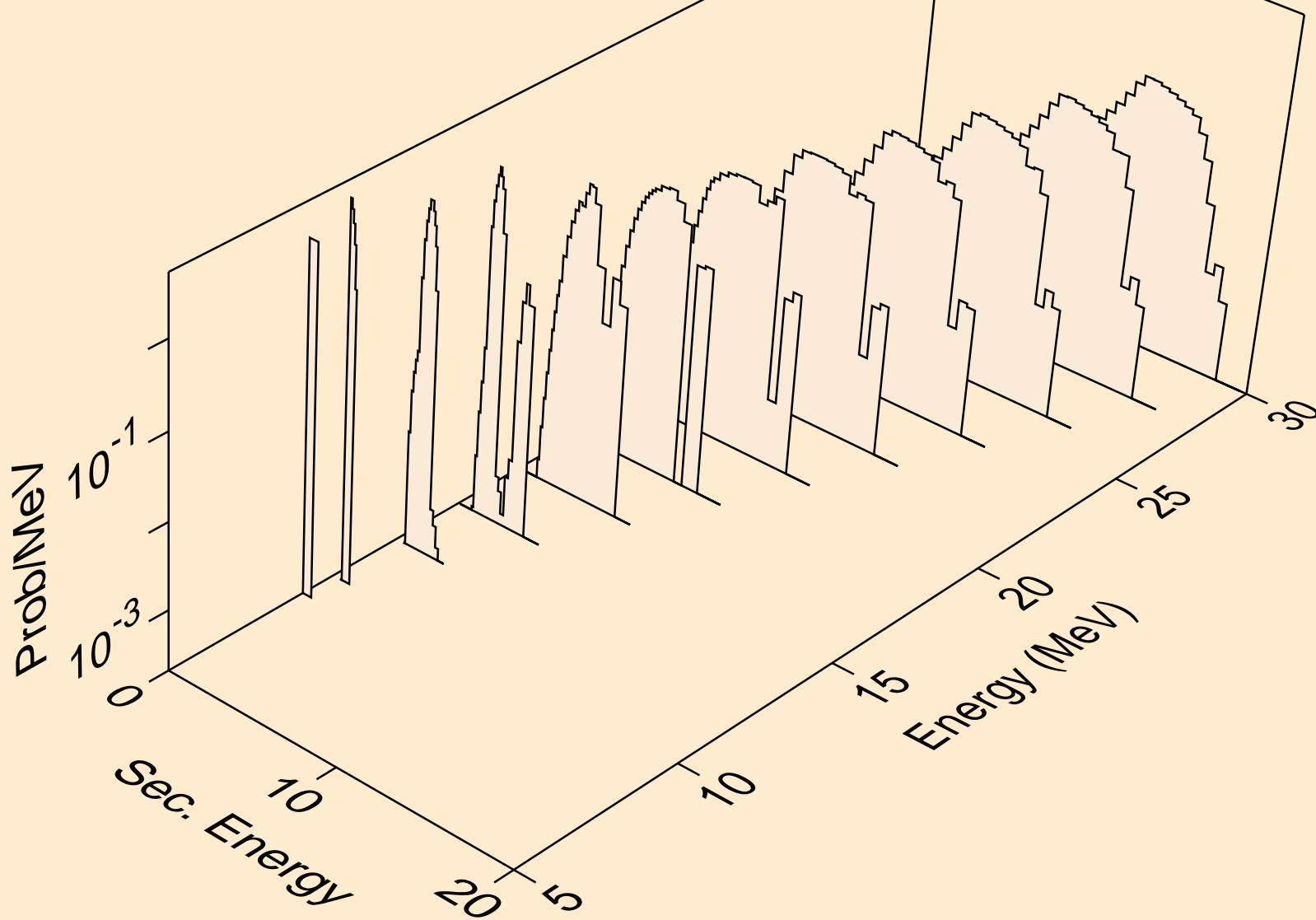
AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



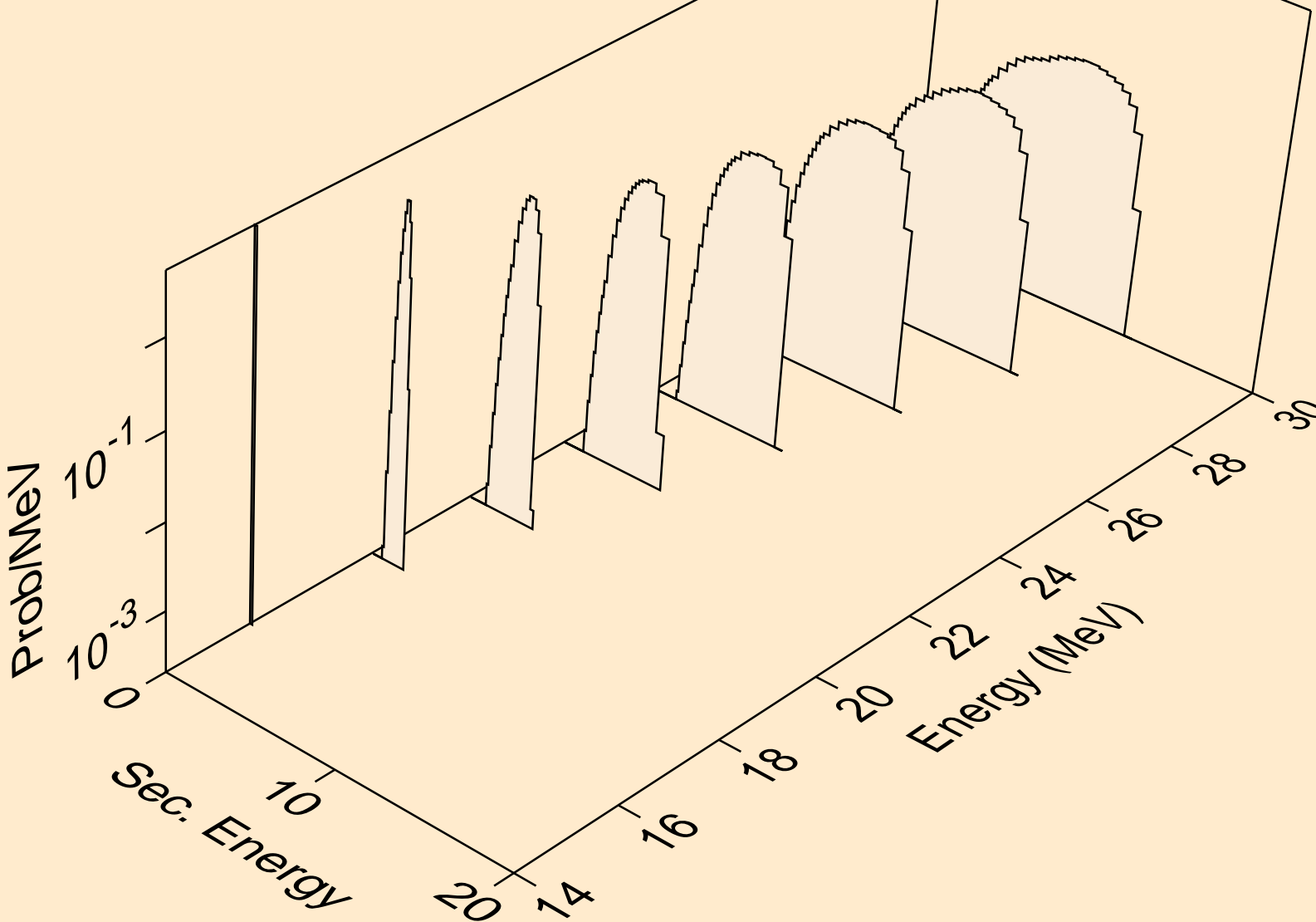
AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



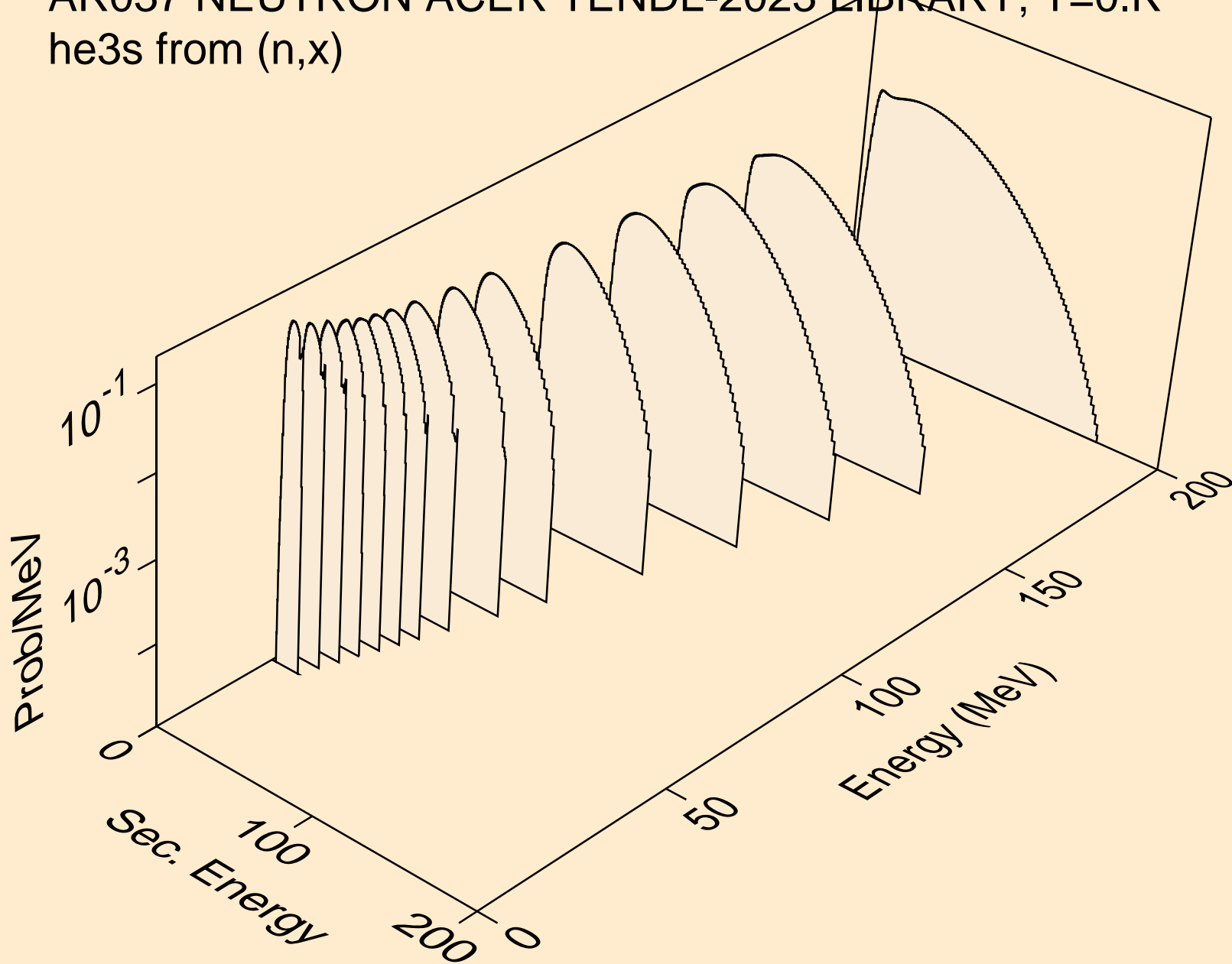
AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)



AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)

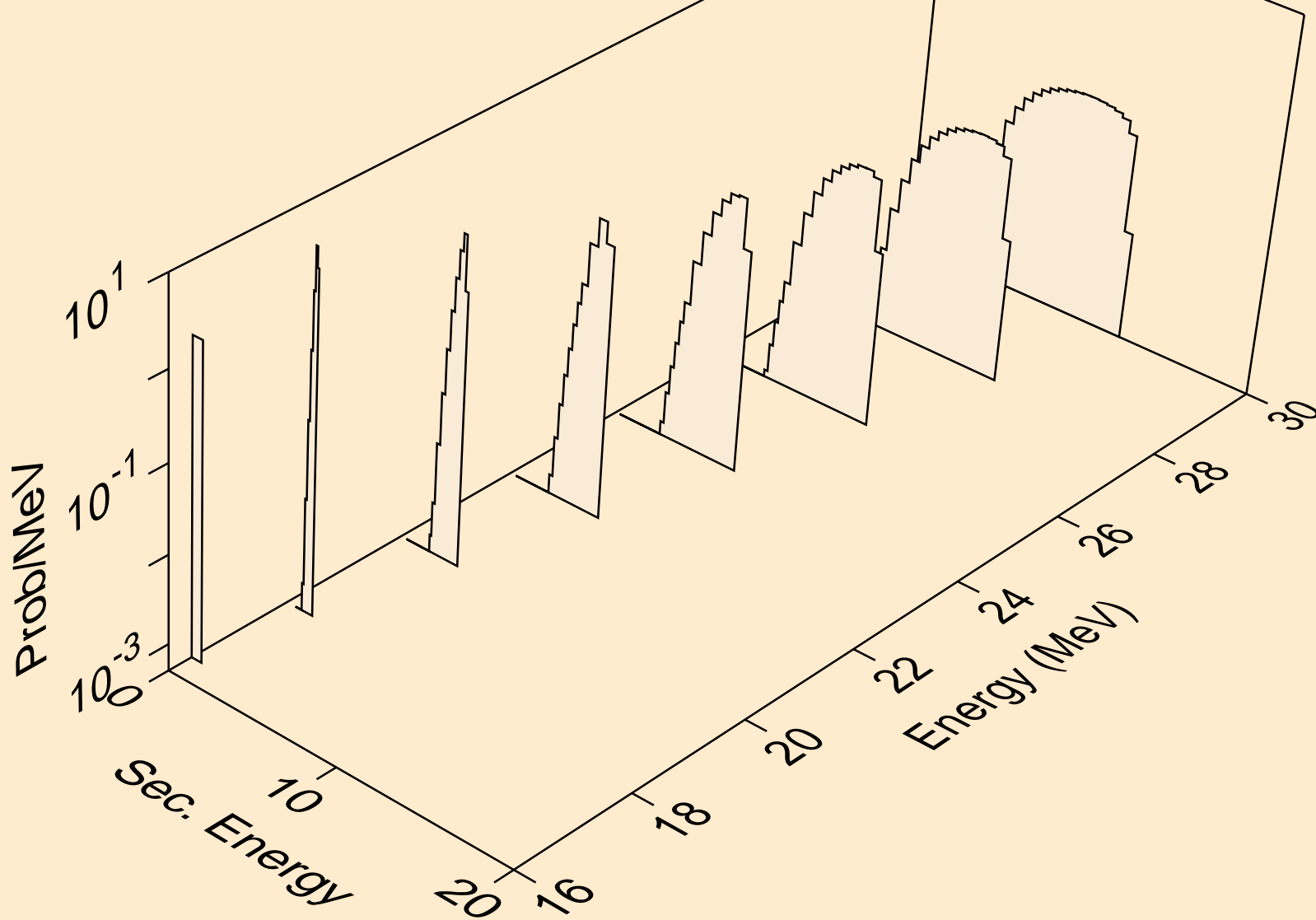


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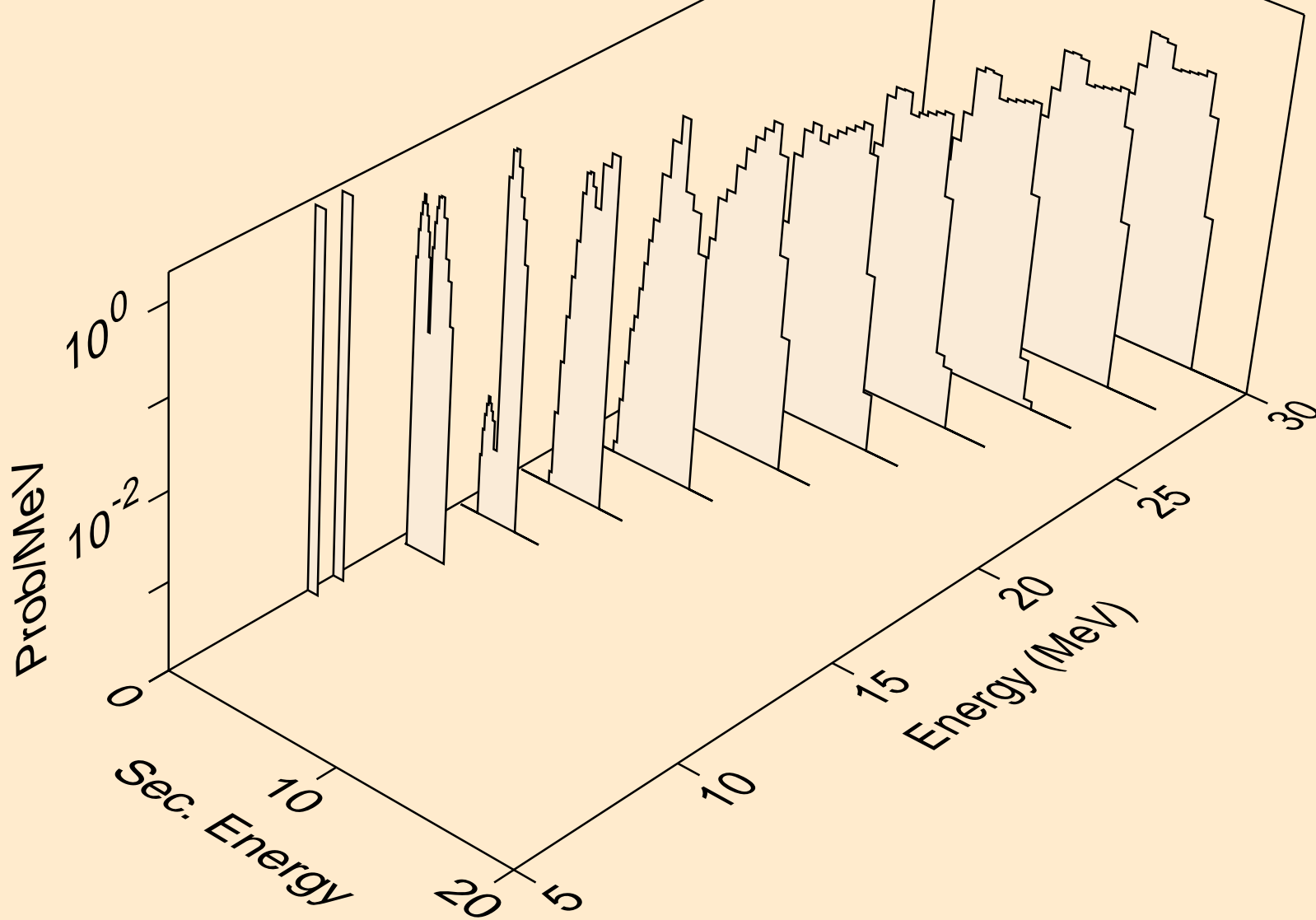




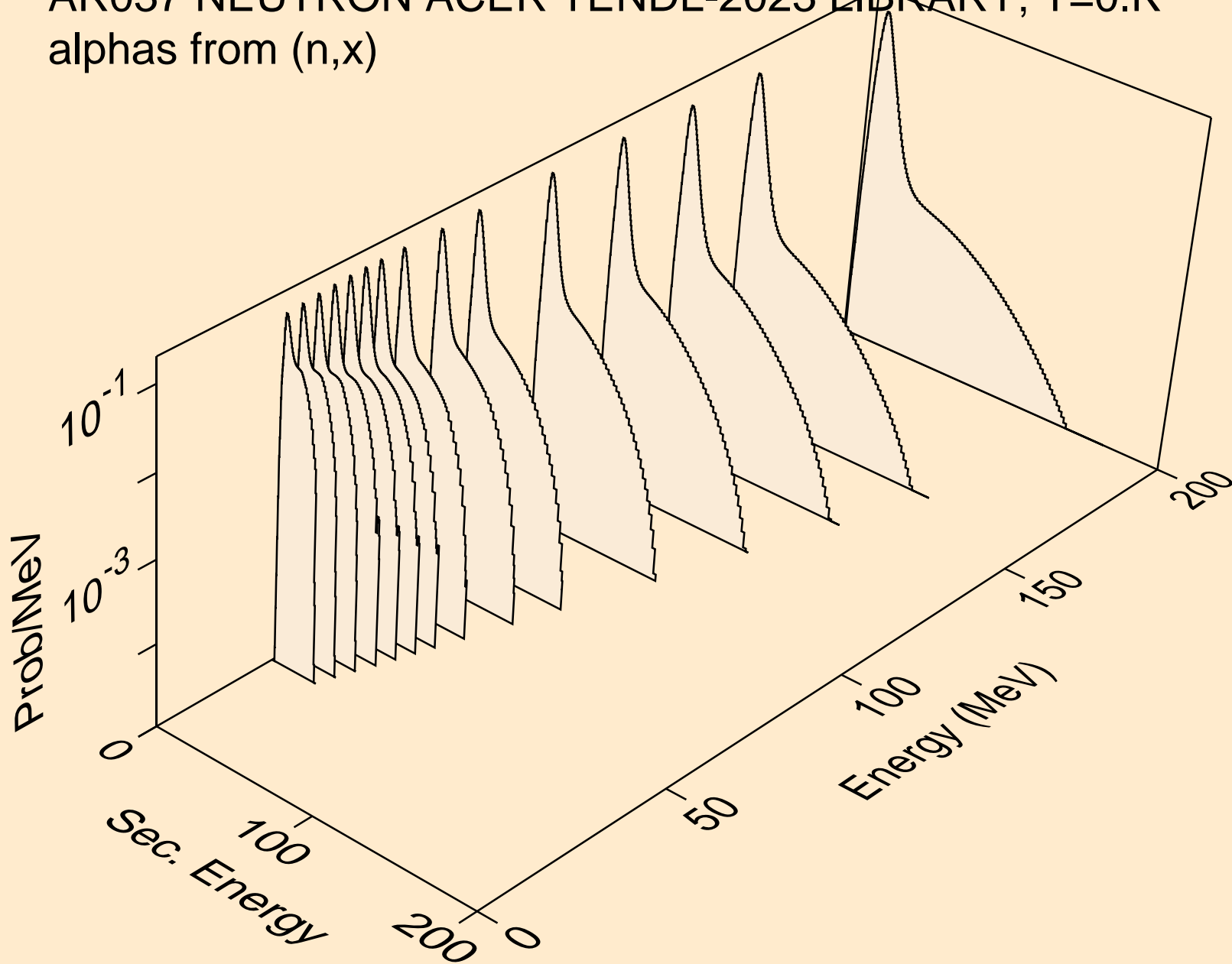
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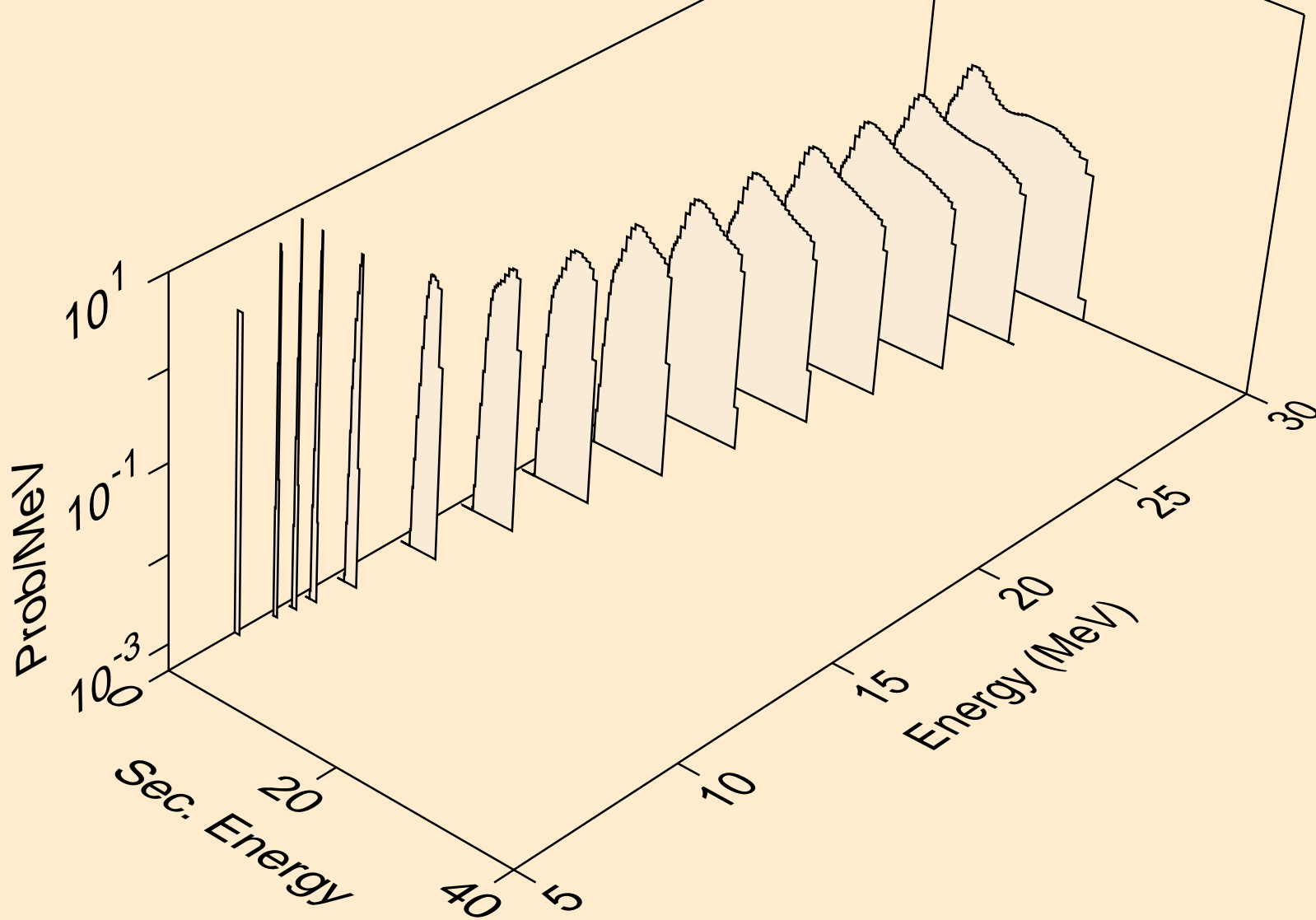
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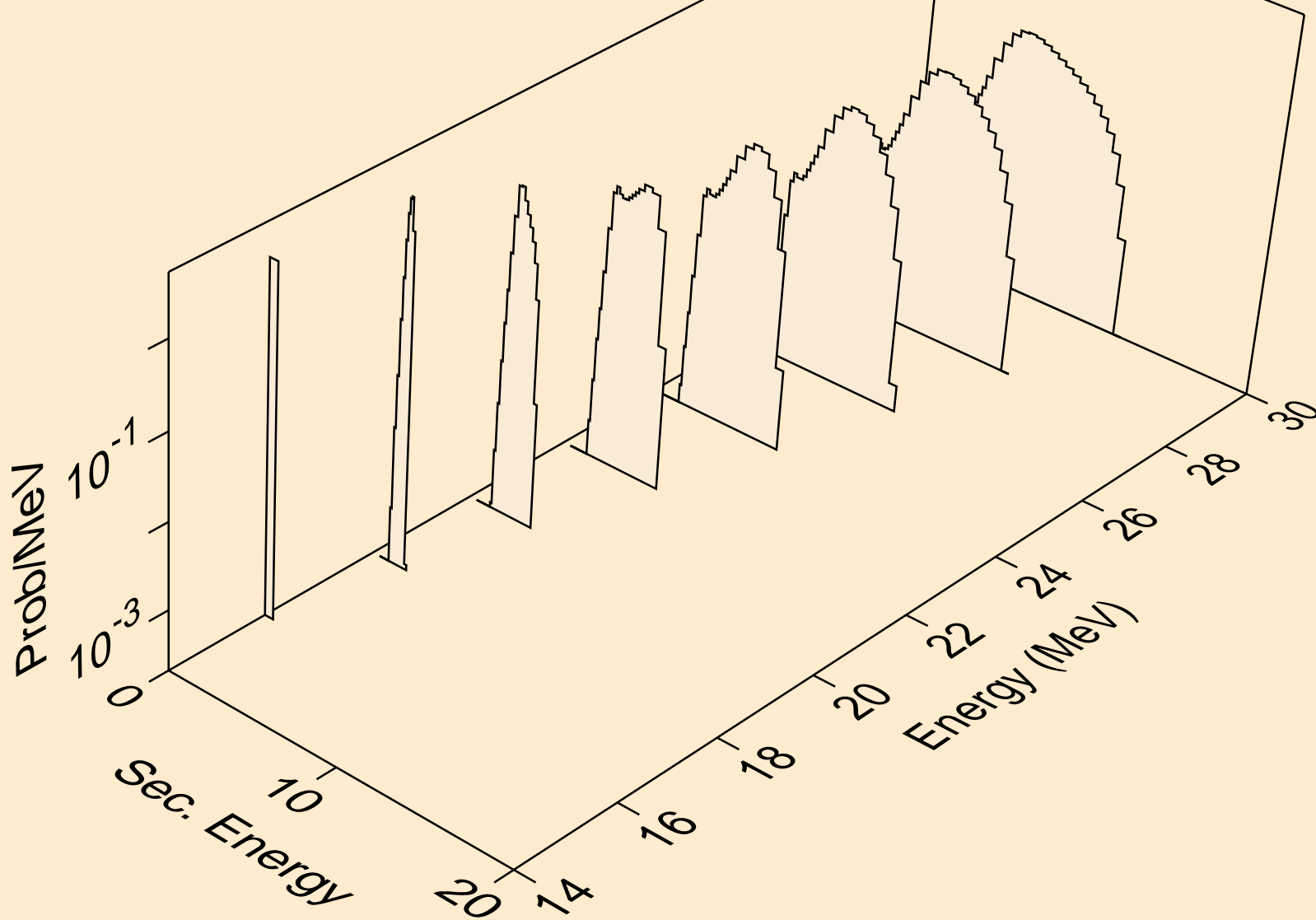
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alphas from (n,x)



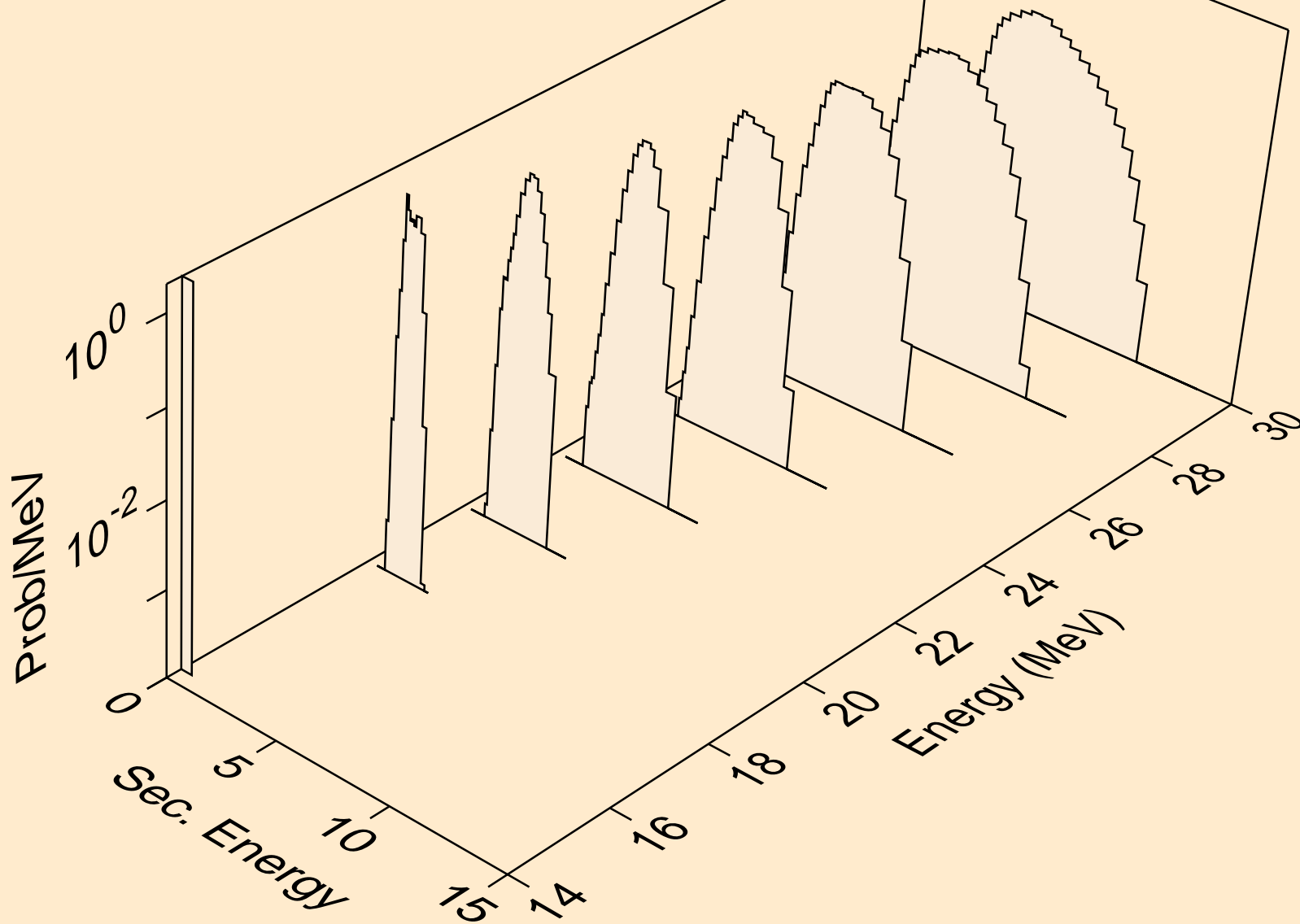
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alphas from (n,n\*)a



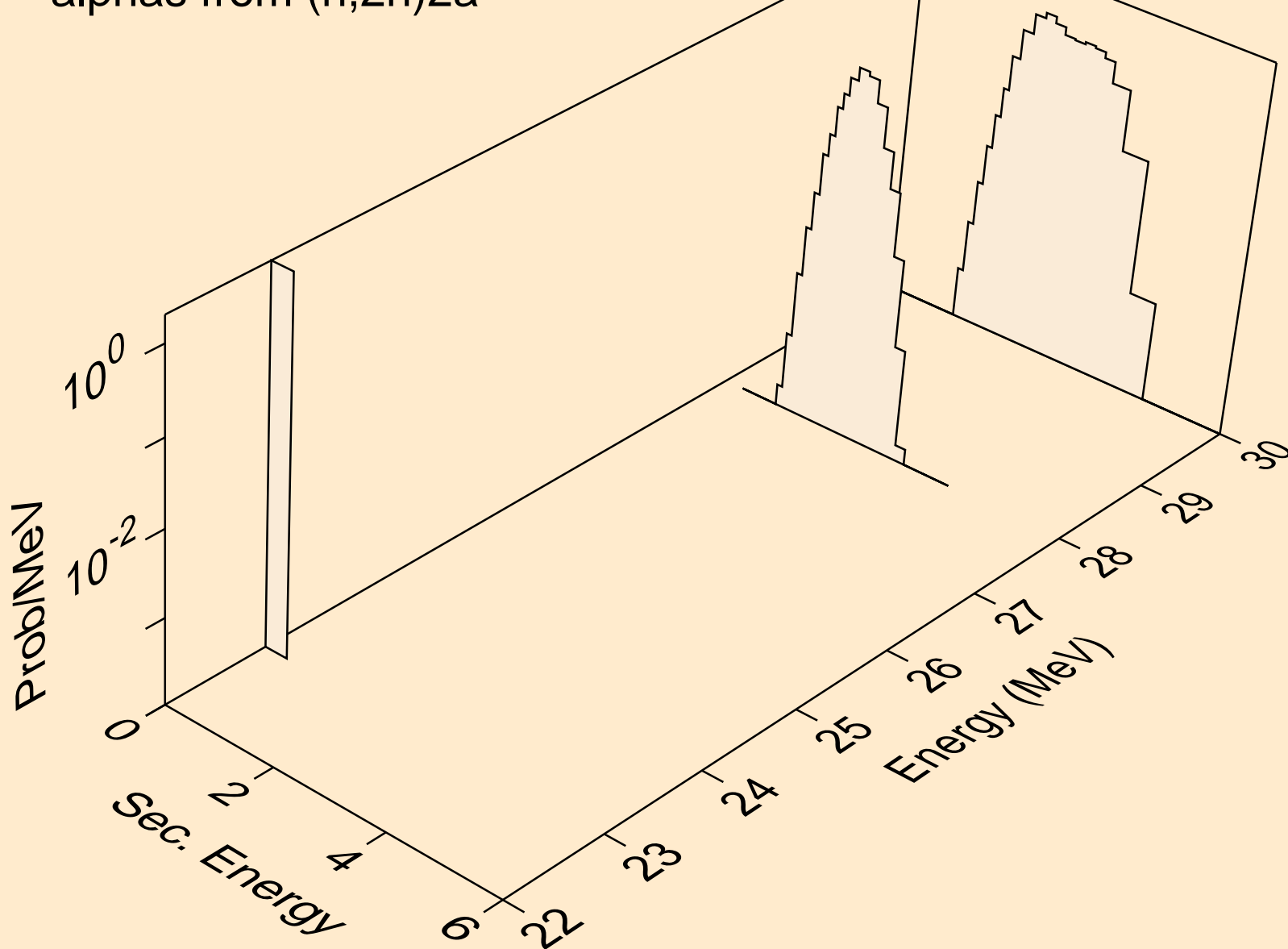
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alphas from (n,2n)a



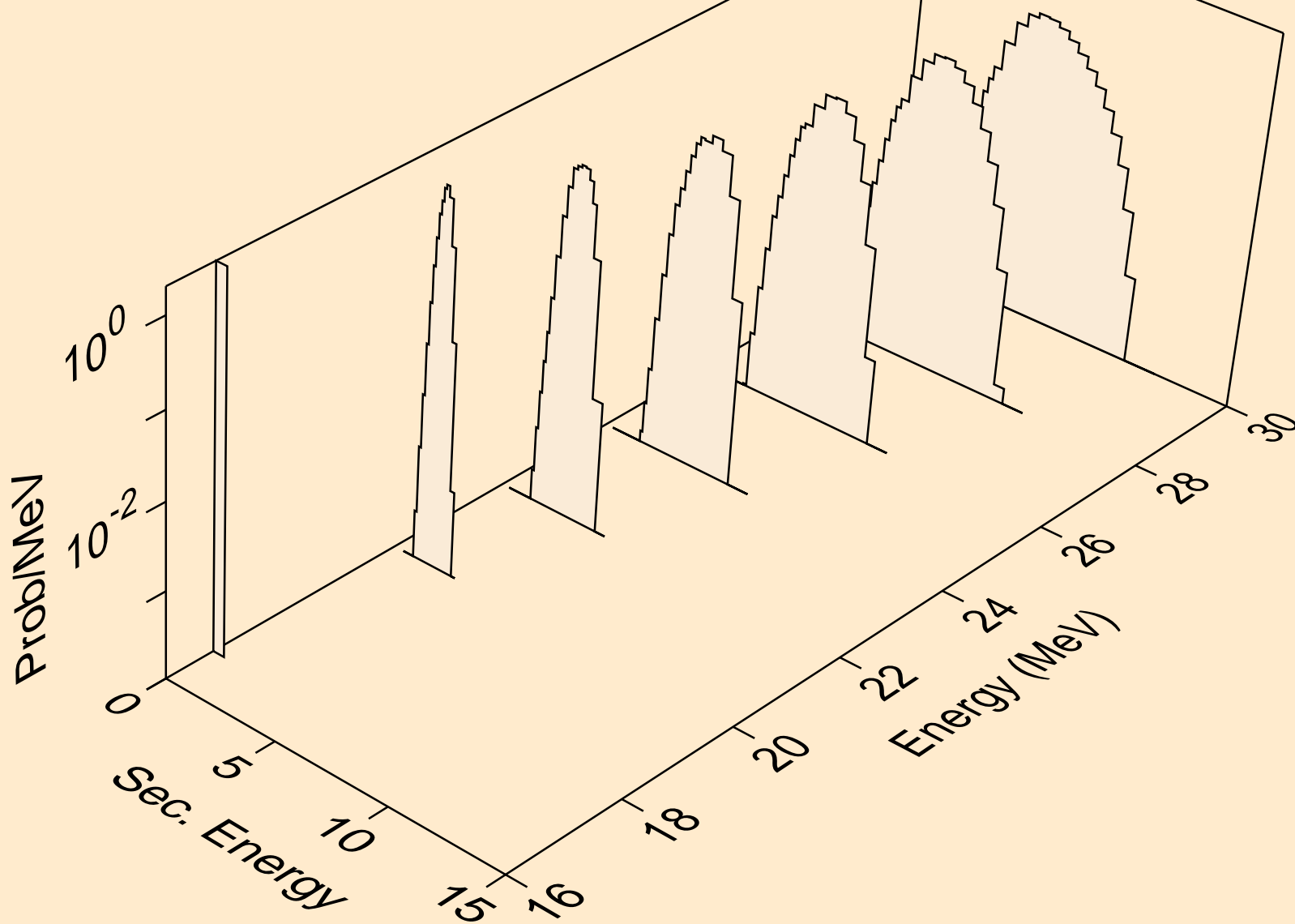
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alphas from (n,n\*)2a



AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)2a

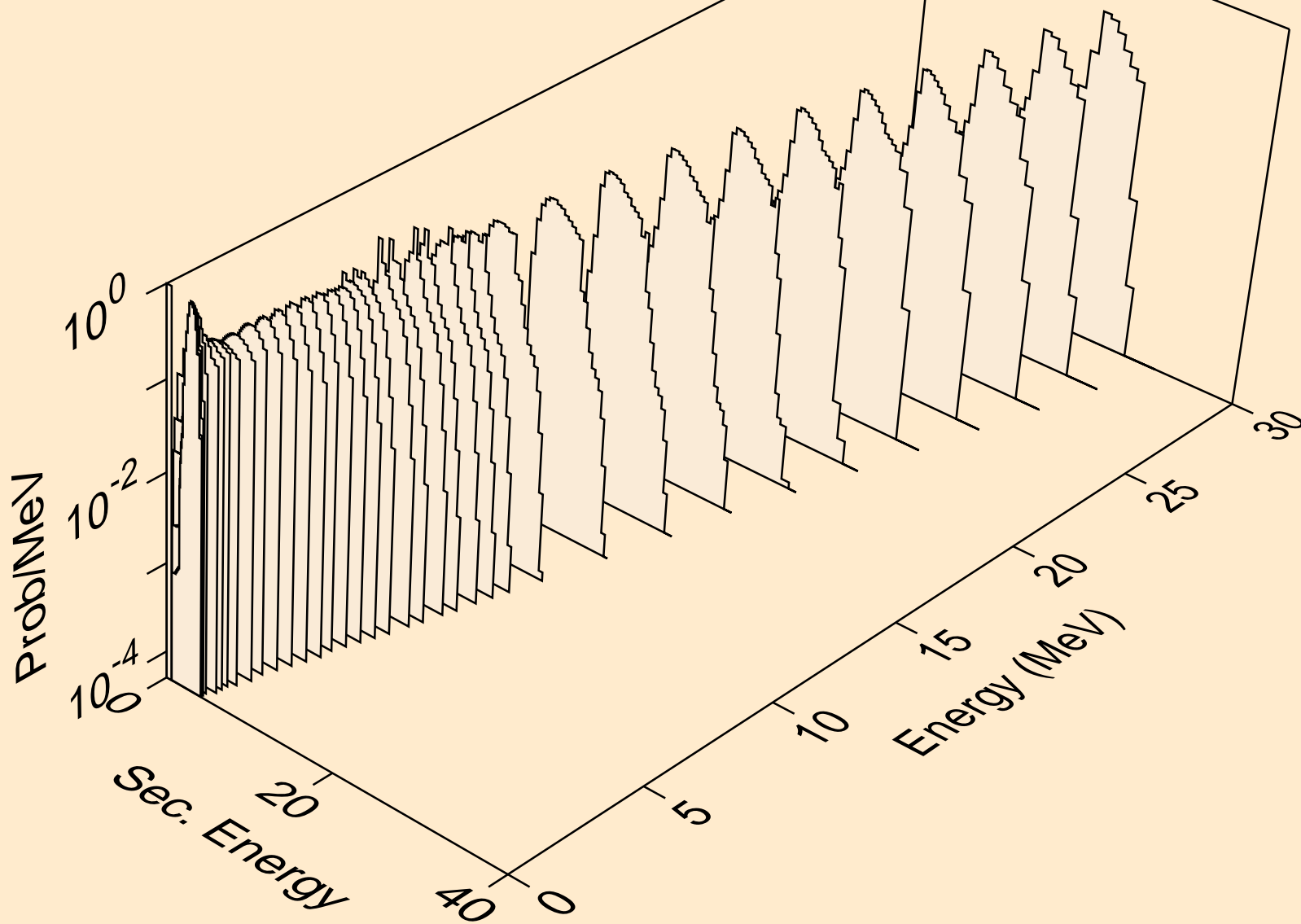


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alphas from (n,npa)

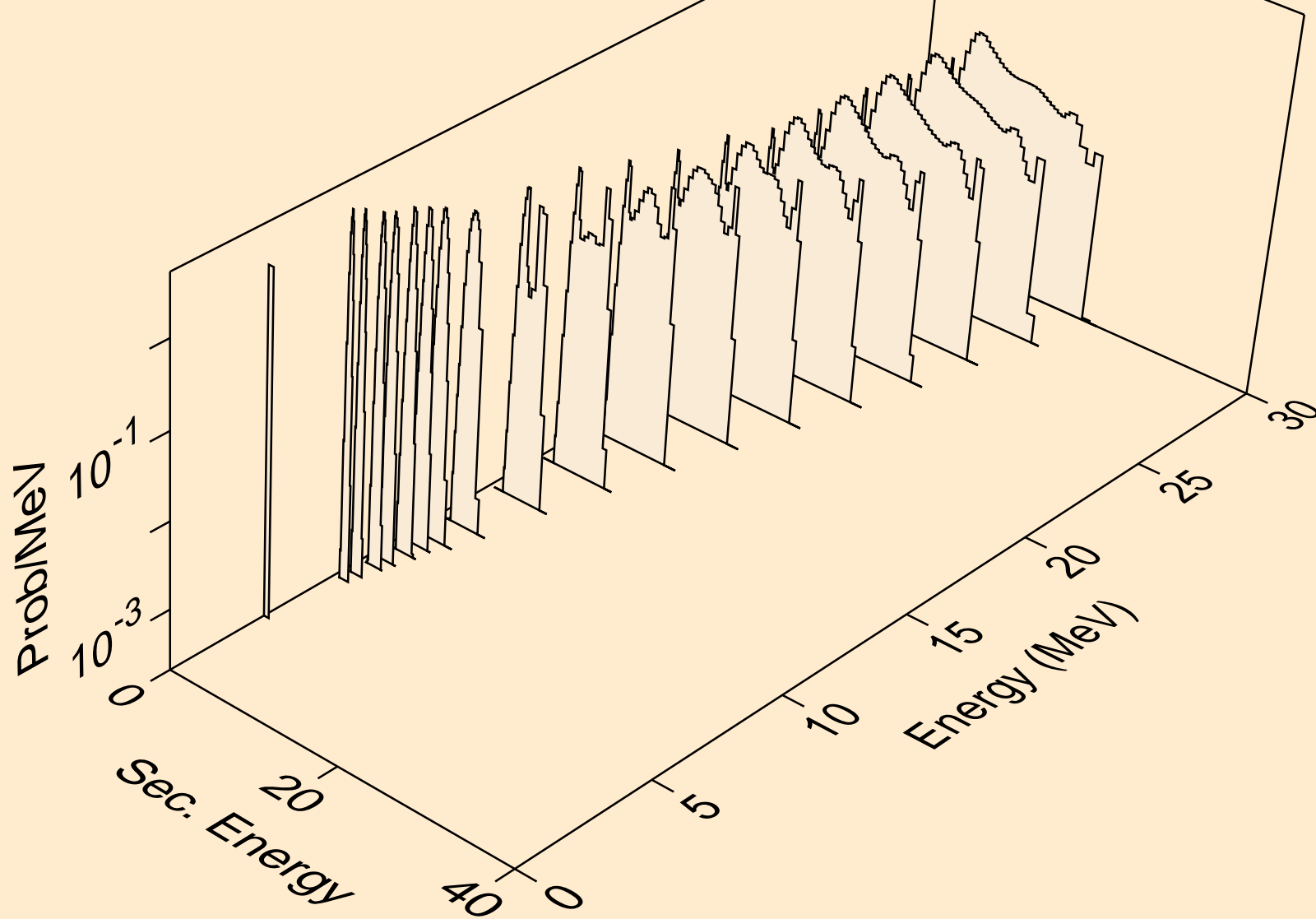




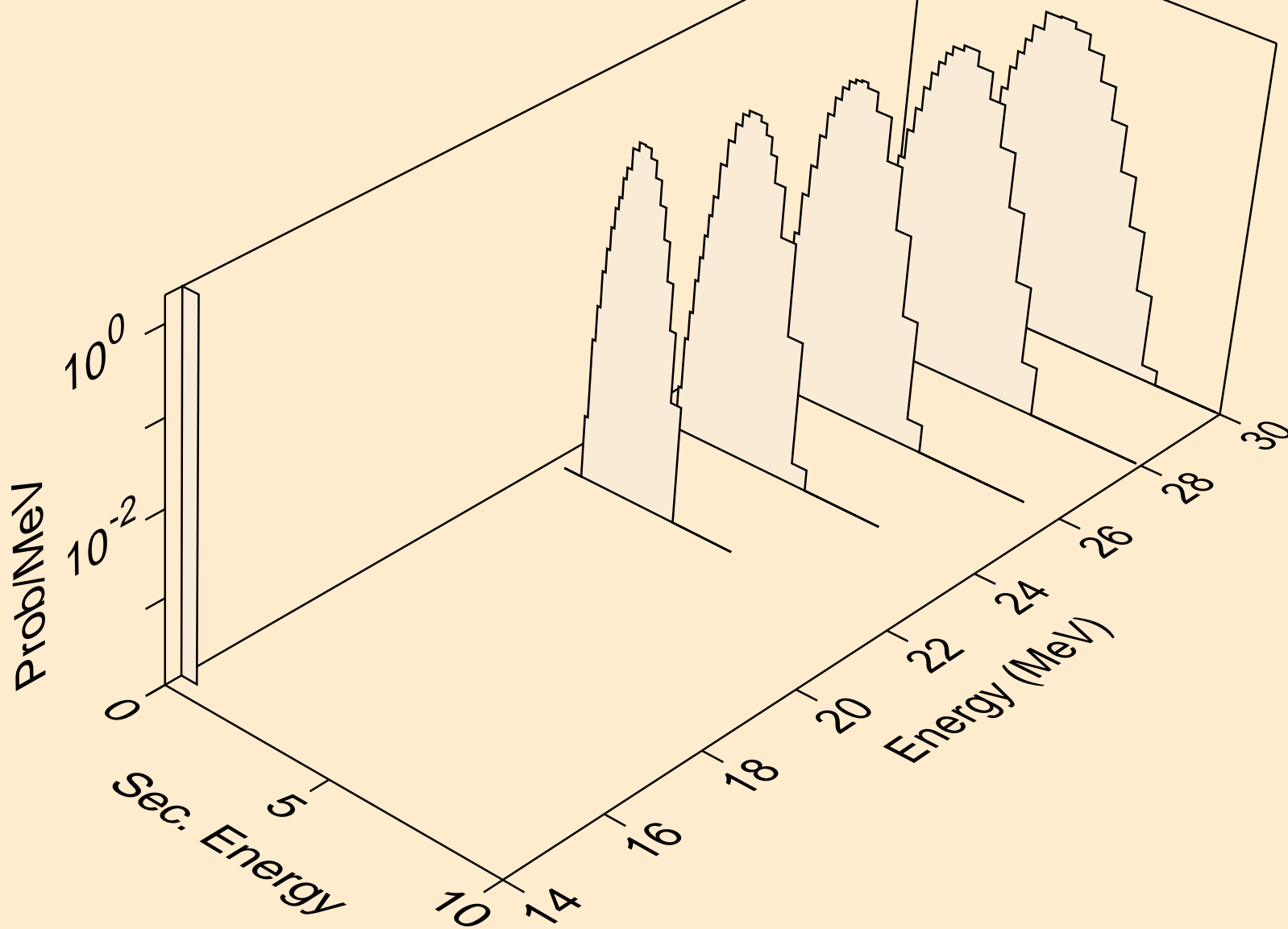
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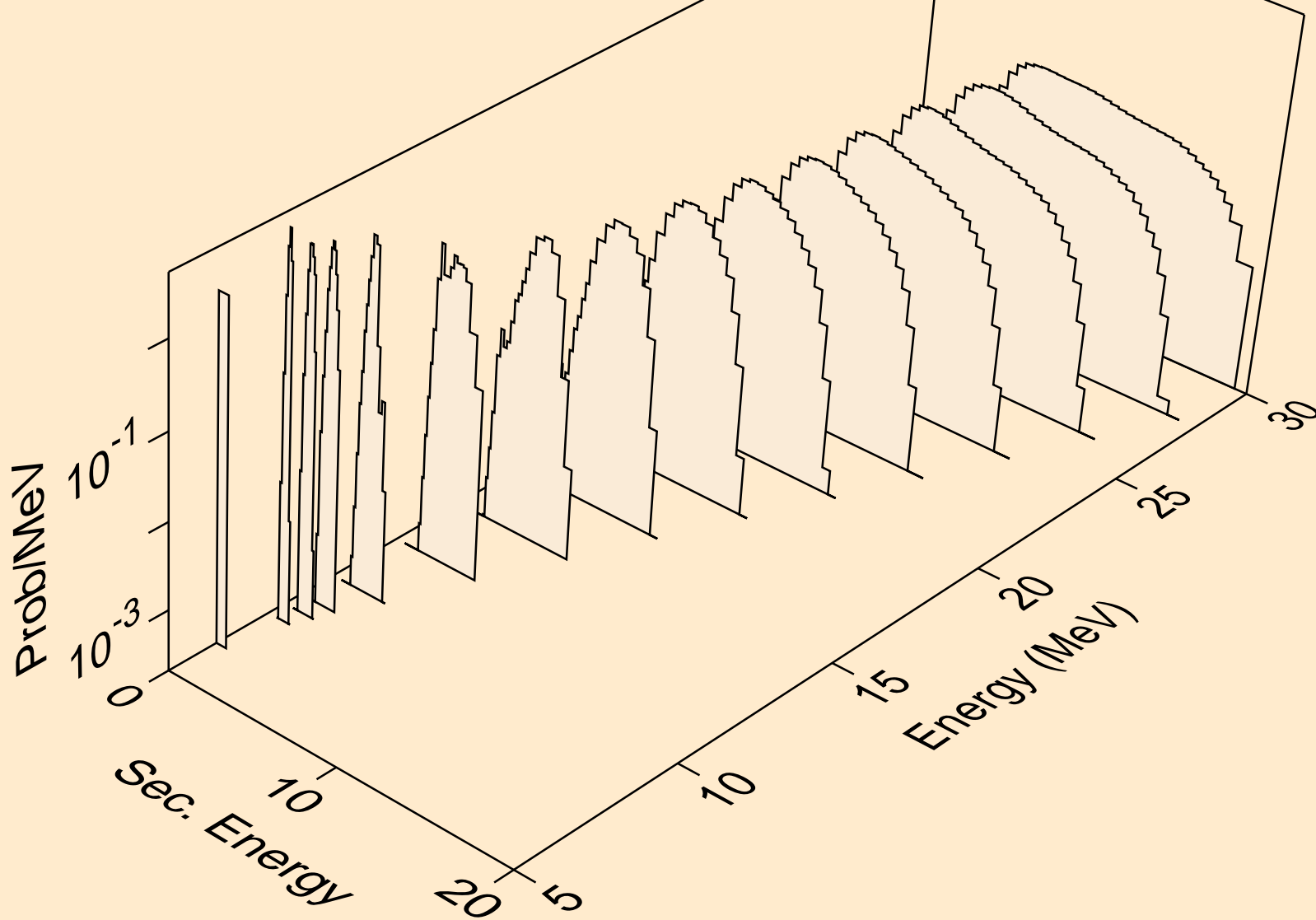
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alphas from (n,2a)



AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3a)



AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



AR037 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

