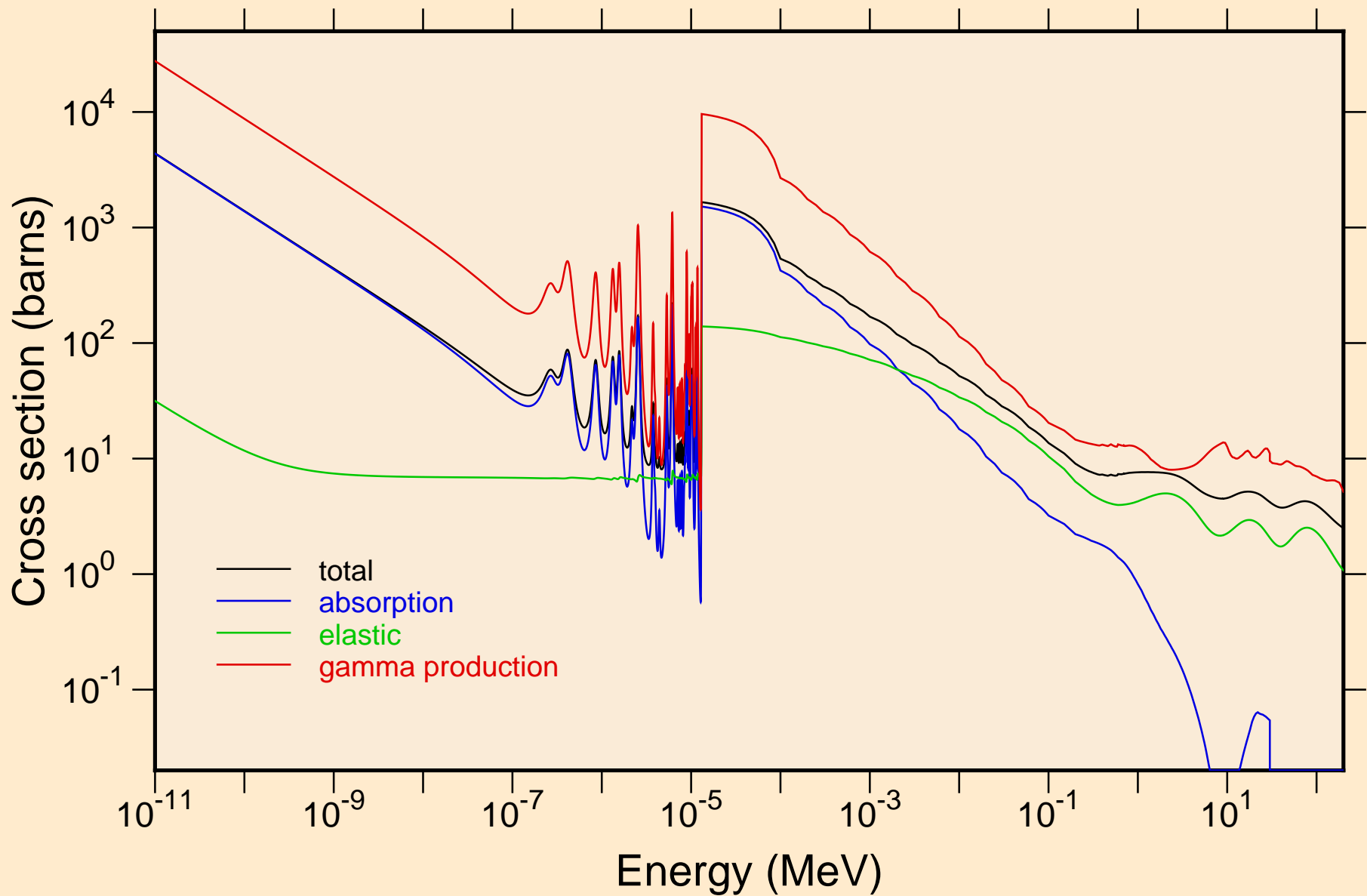
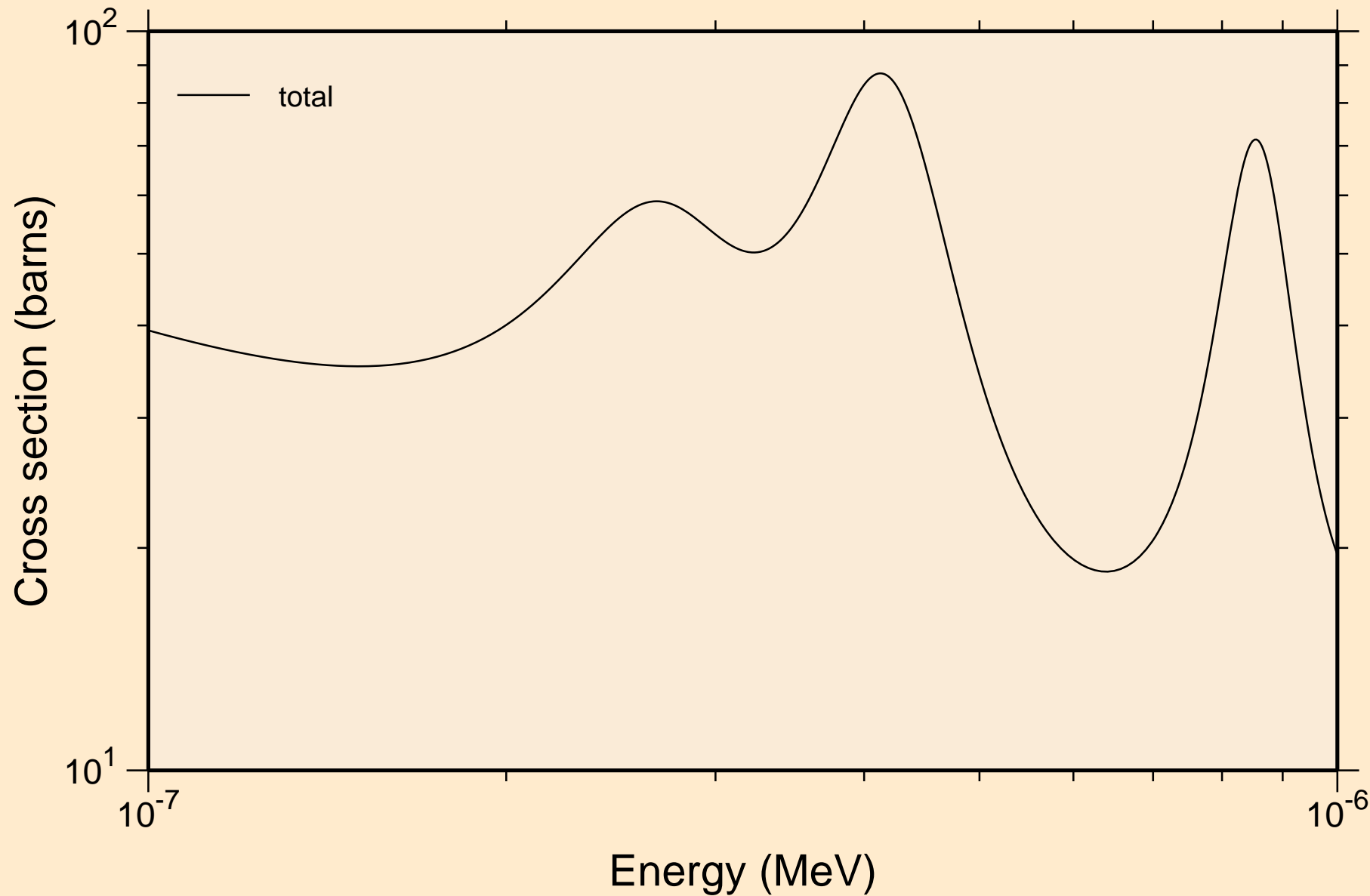


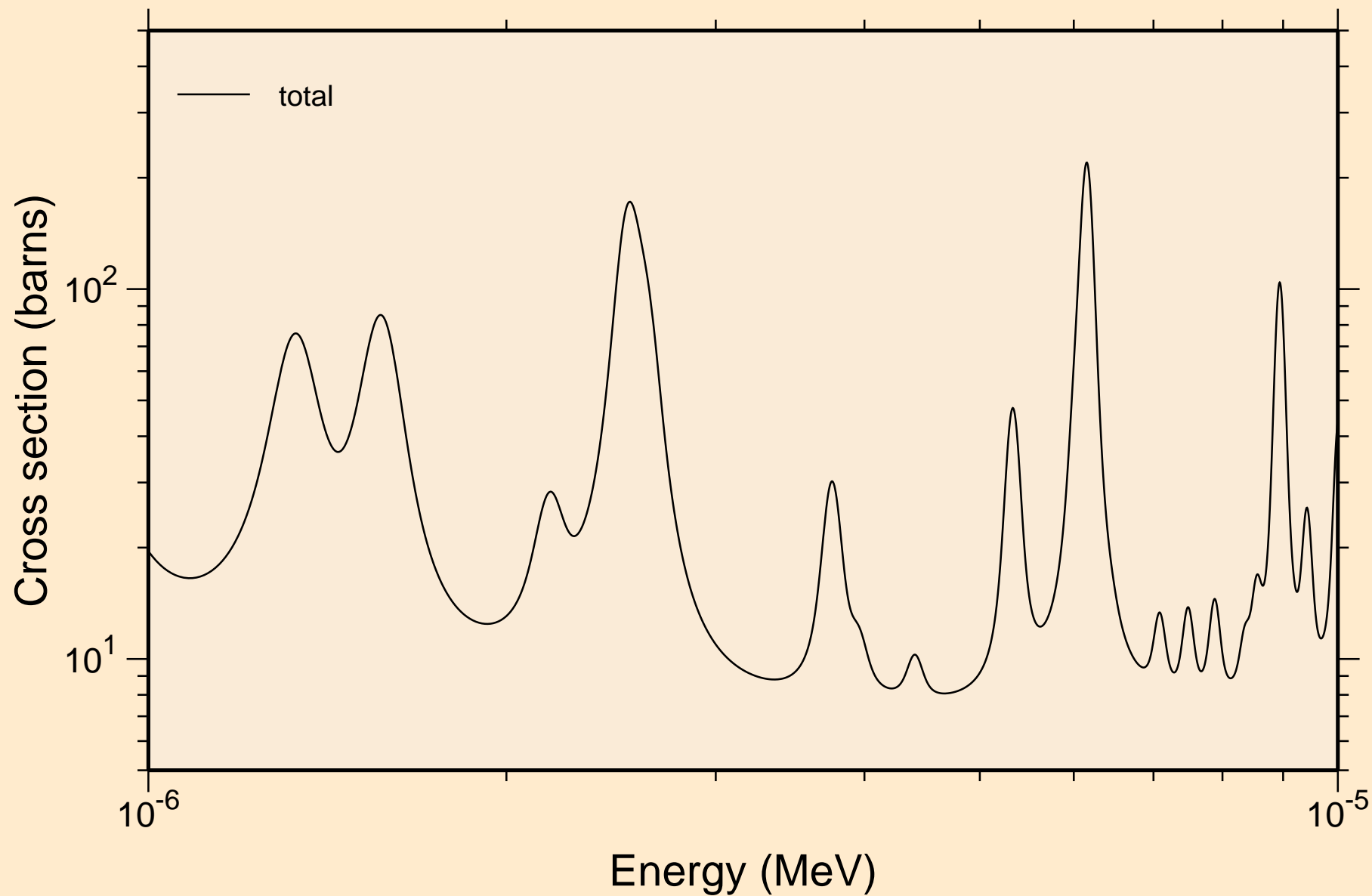
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



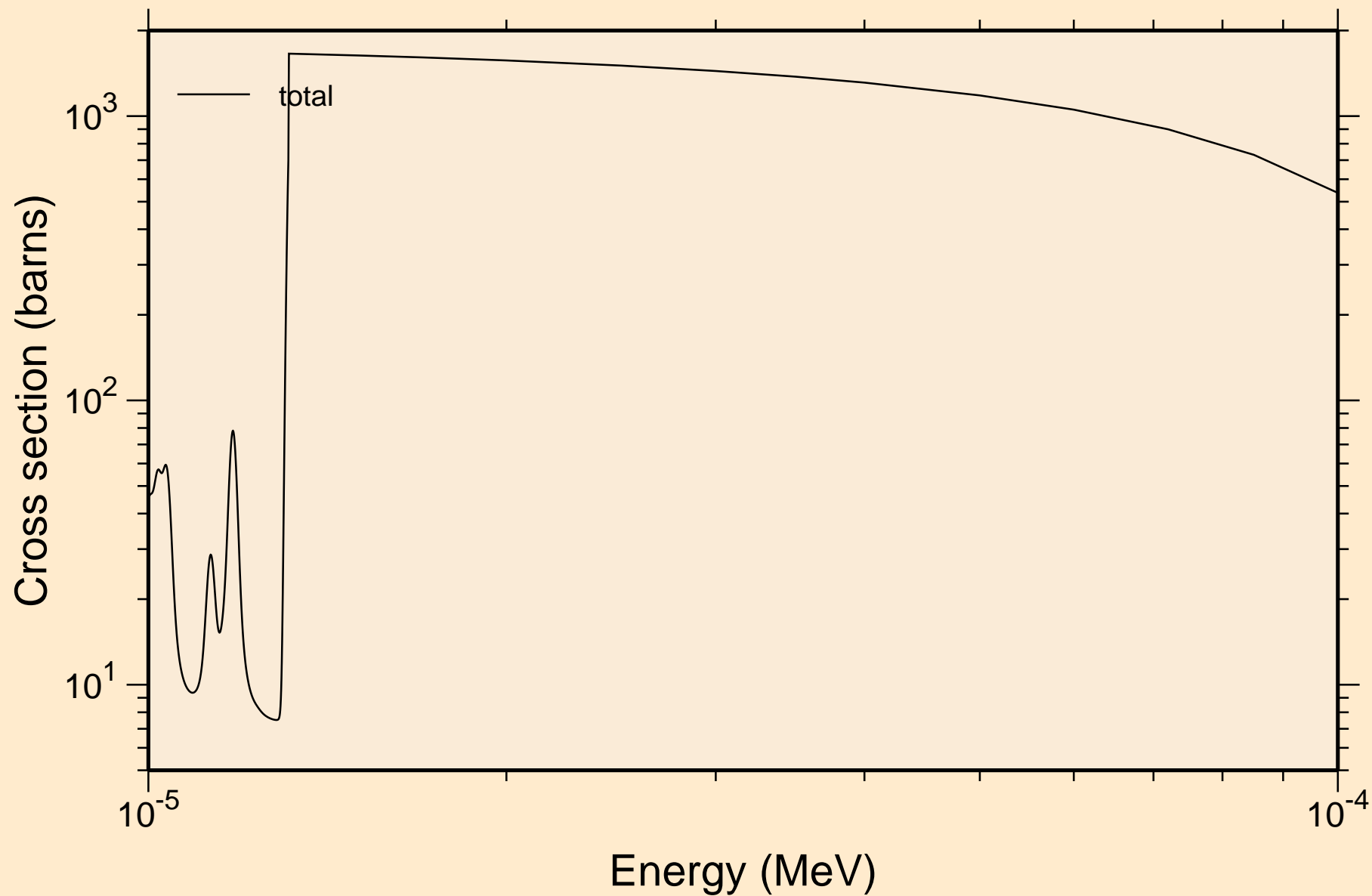
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



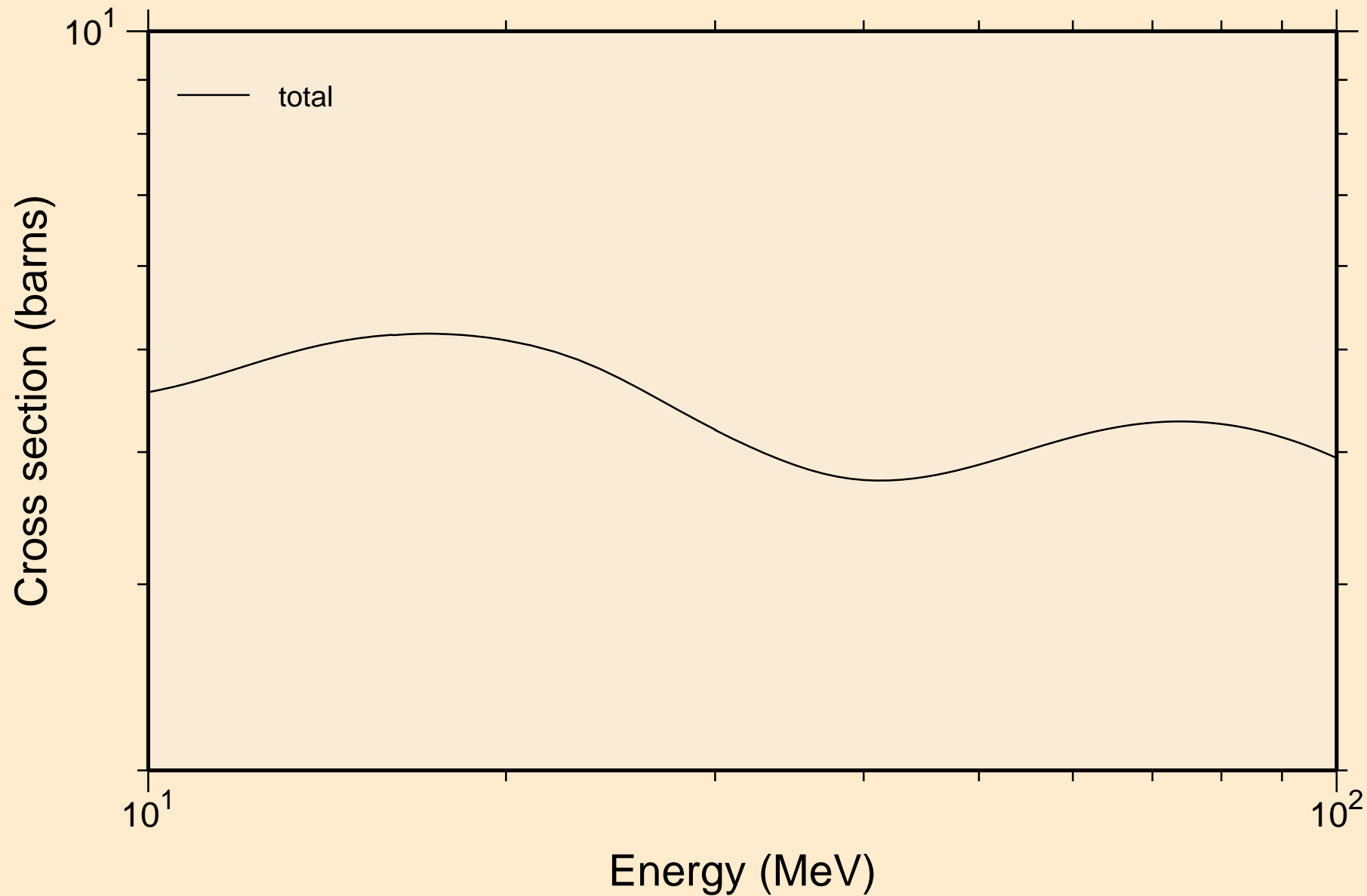
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



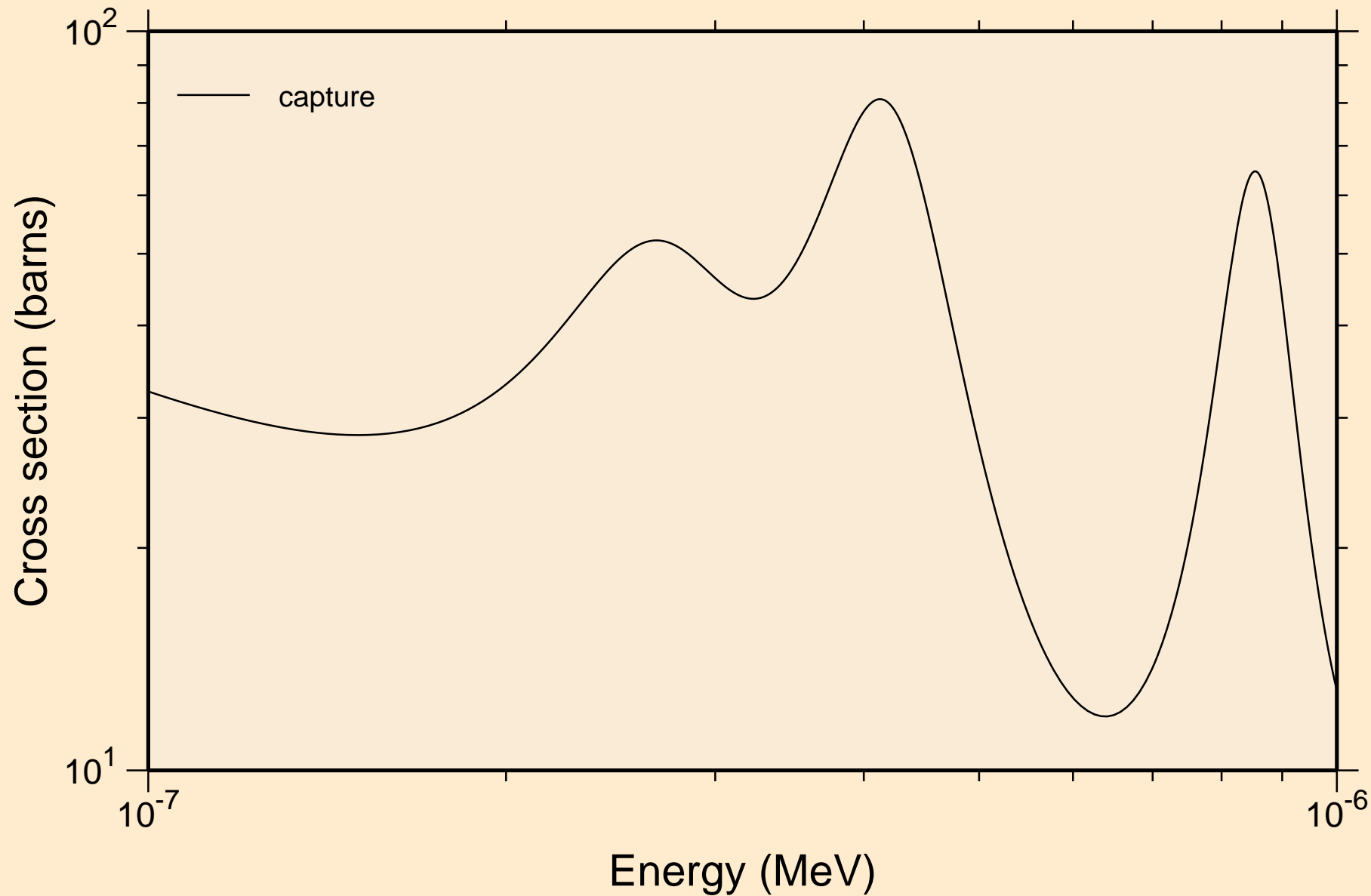
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



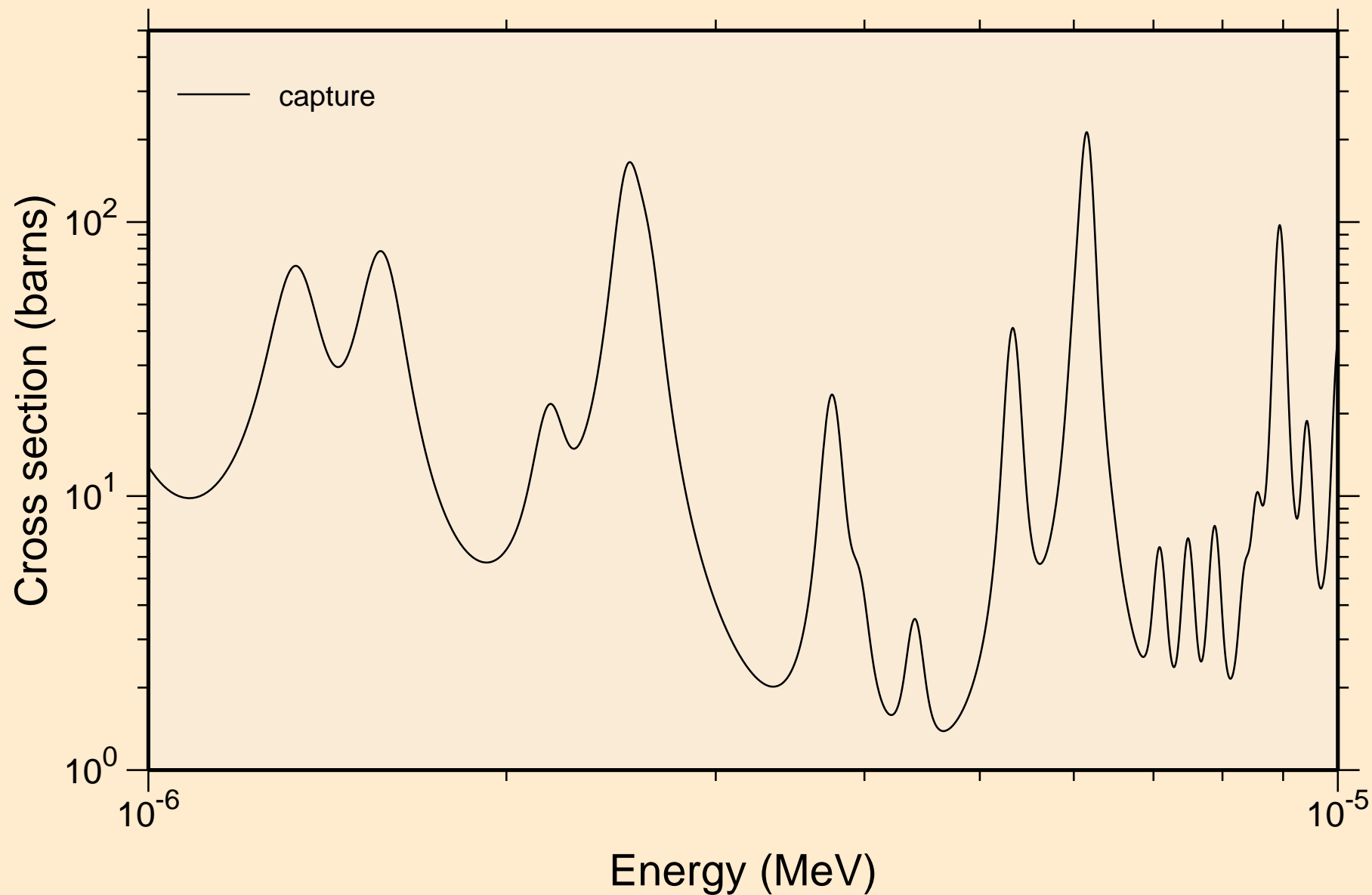
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



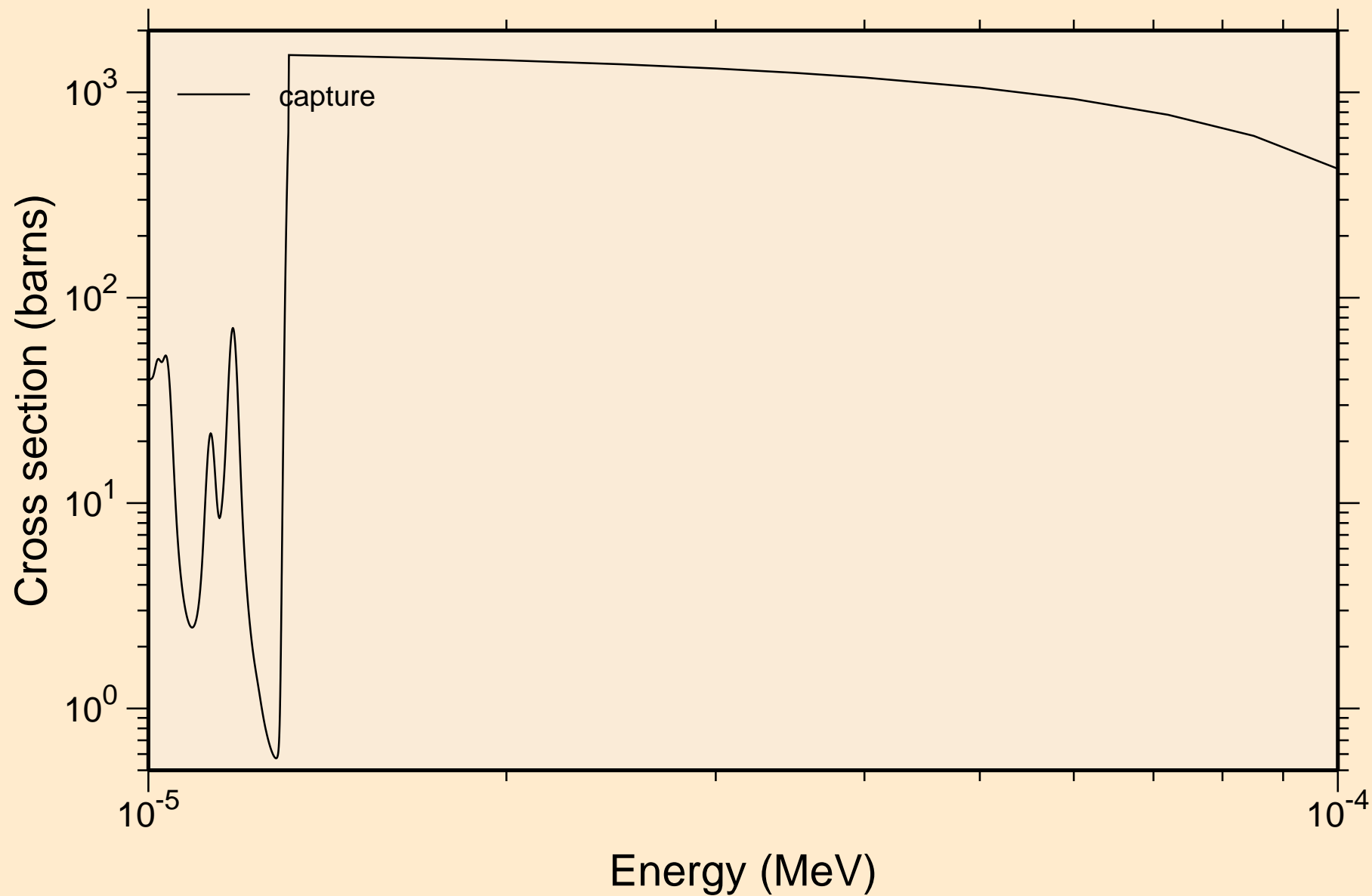
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

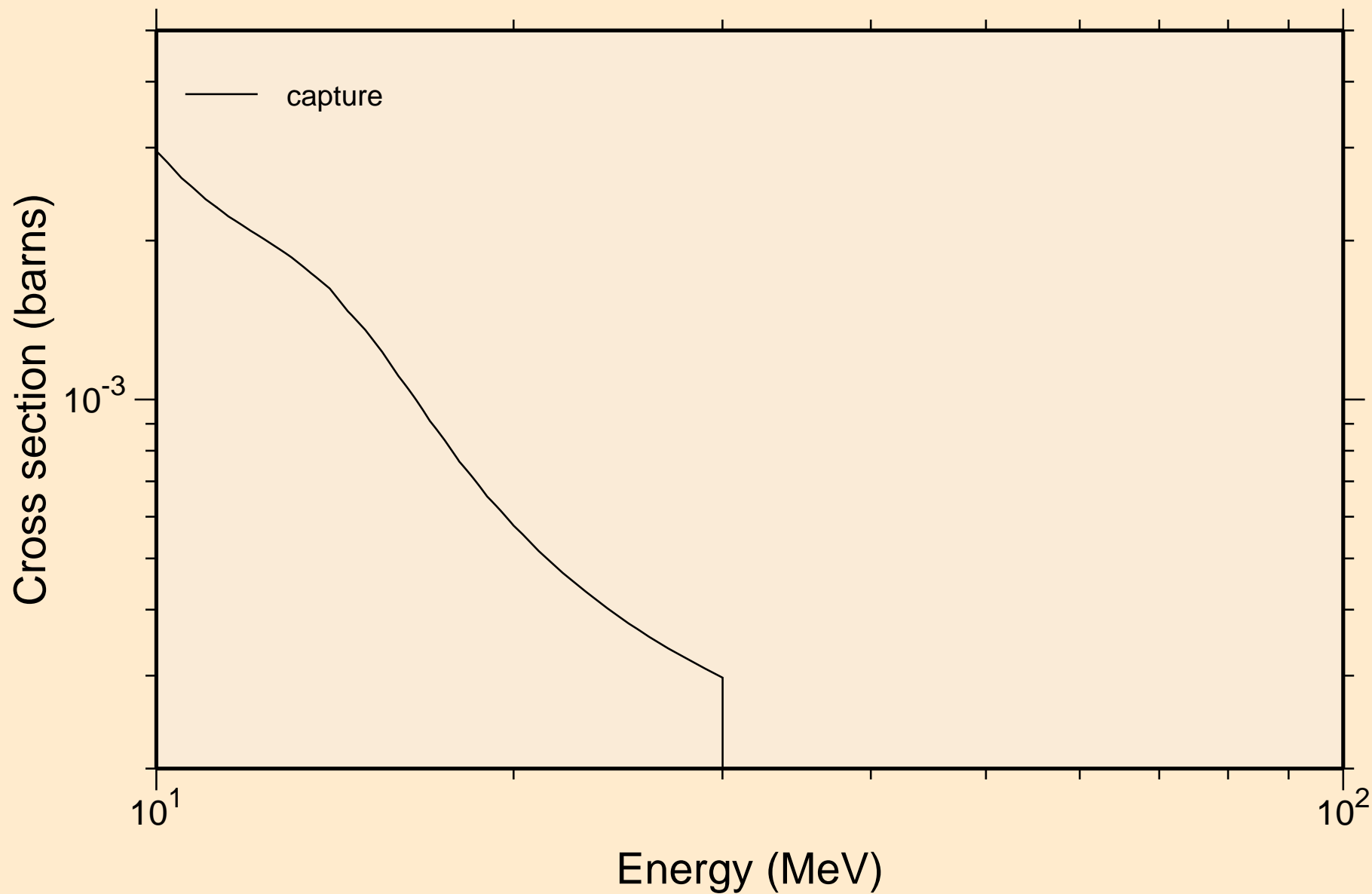


HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

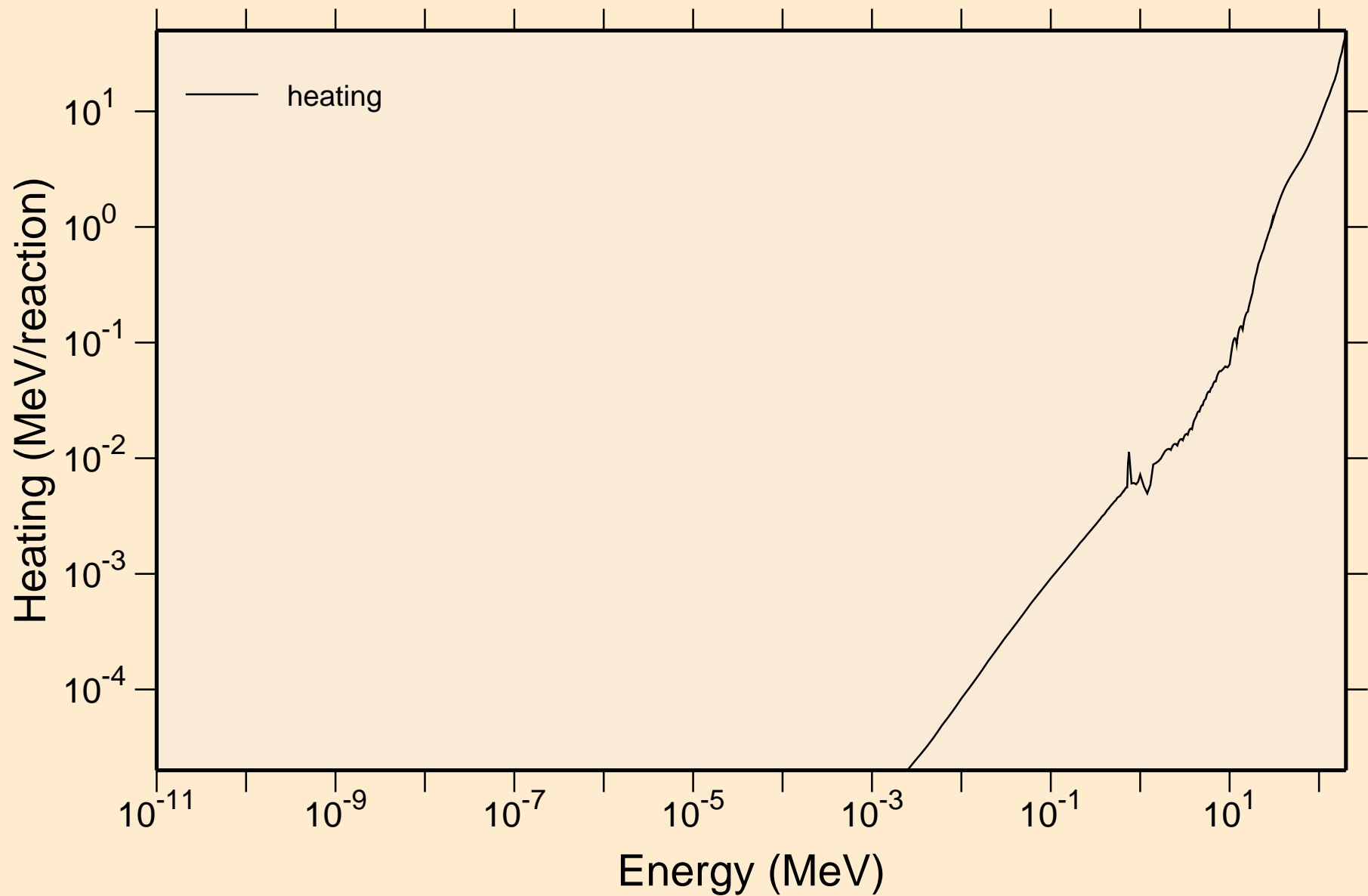




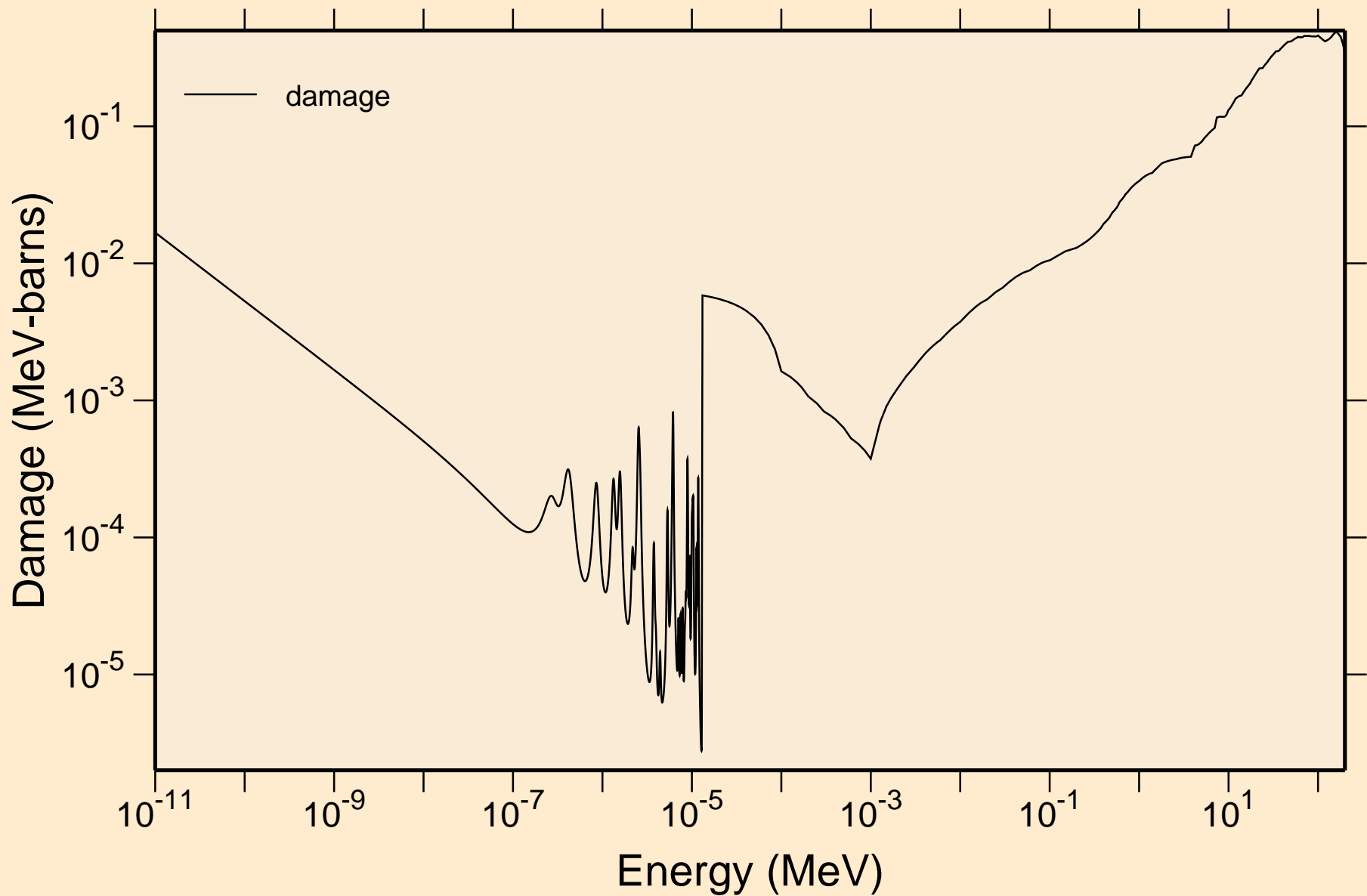
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



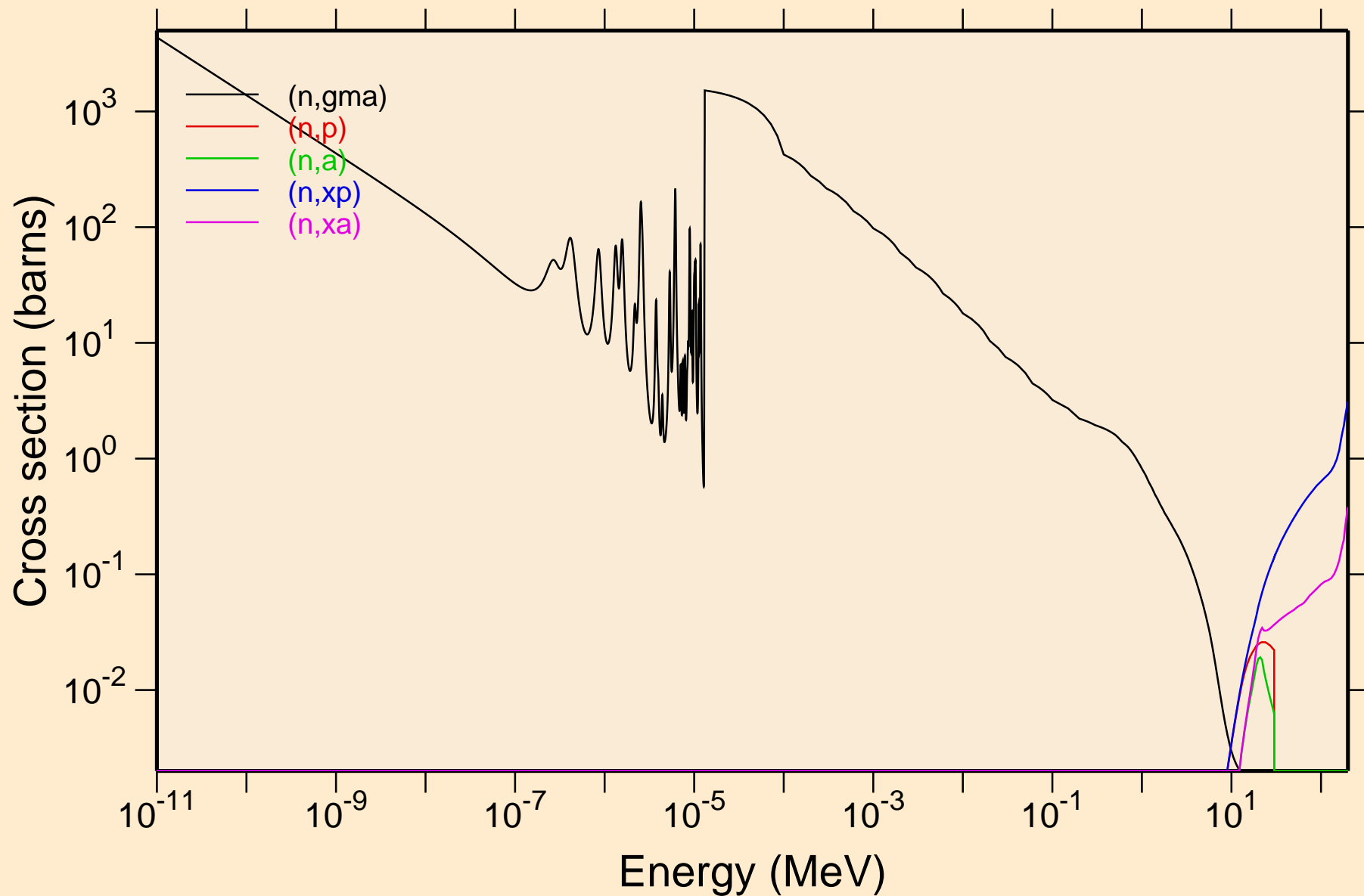
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



# HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage

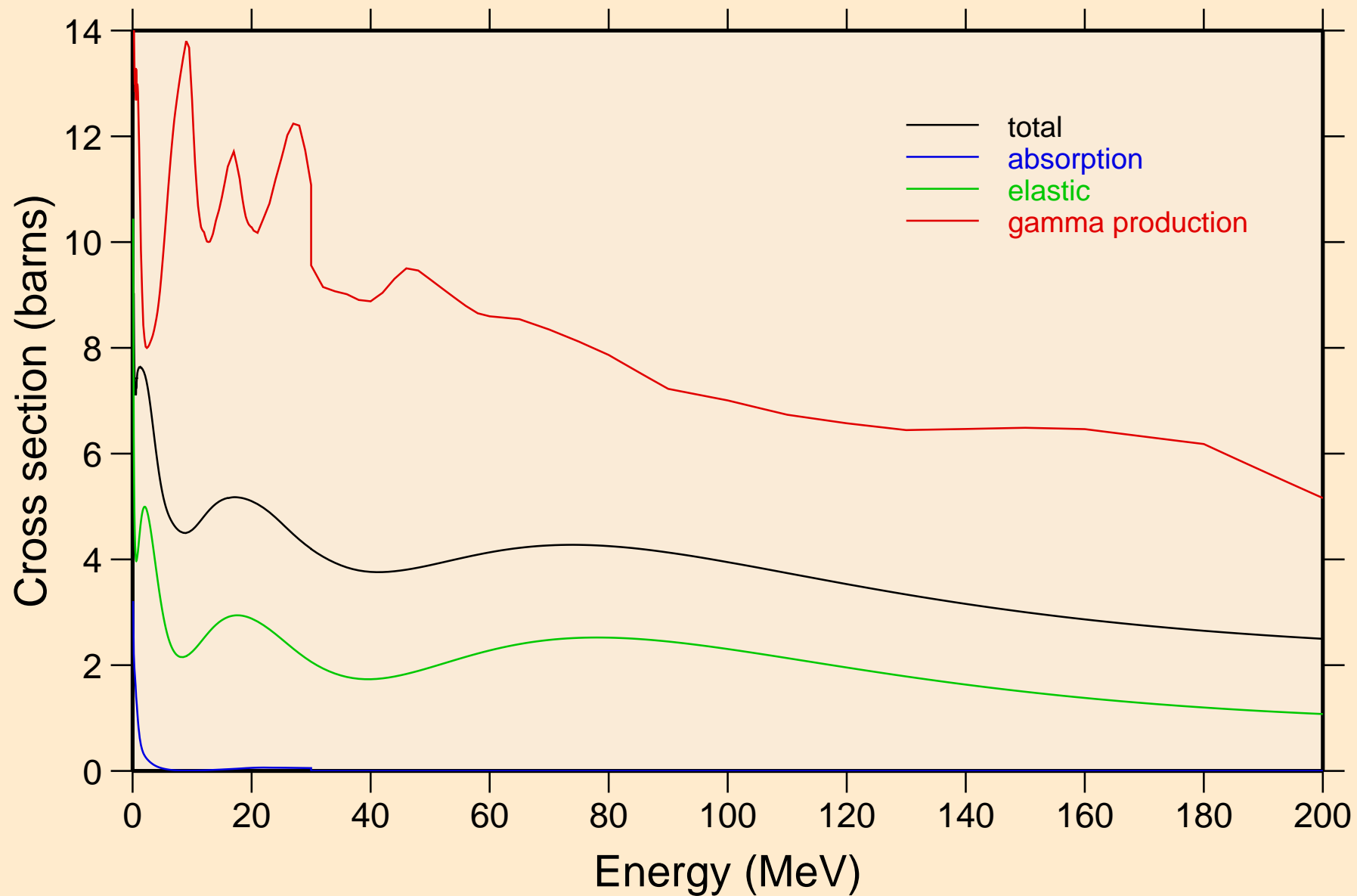


HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

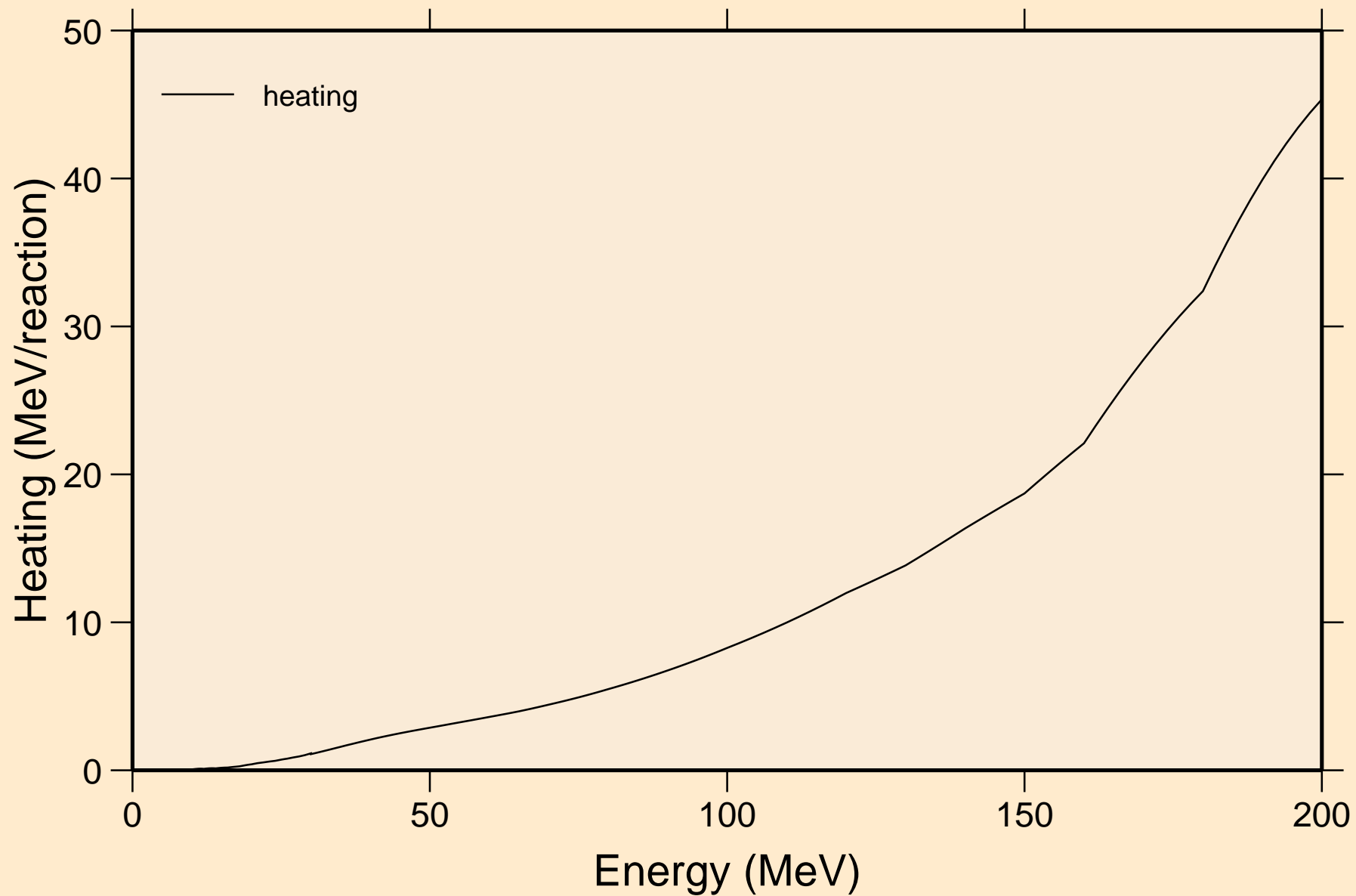


# HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

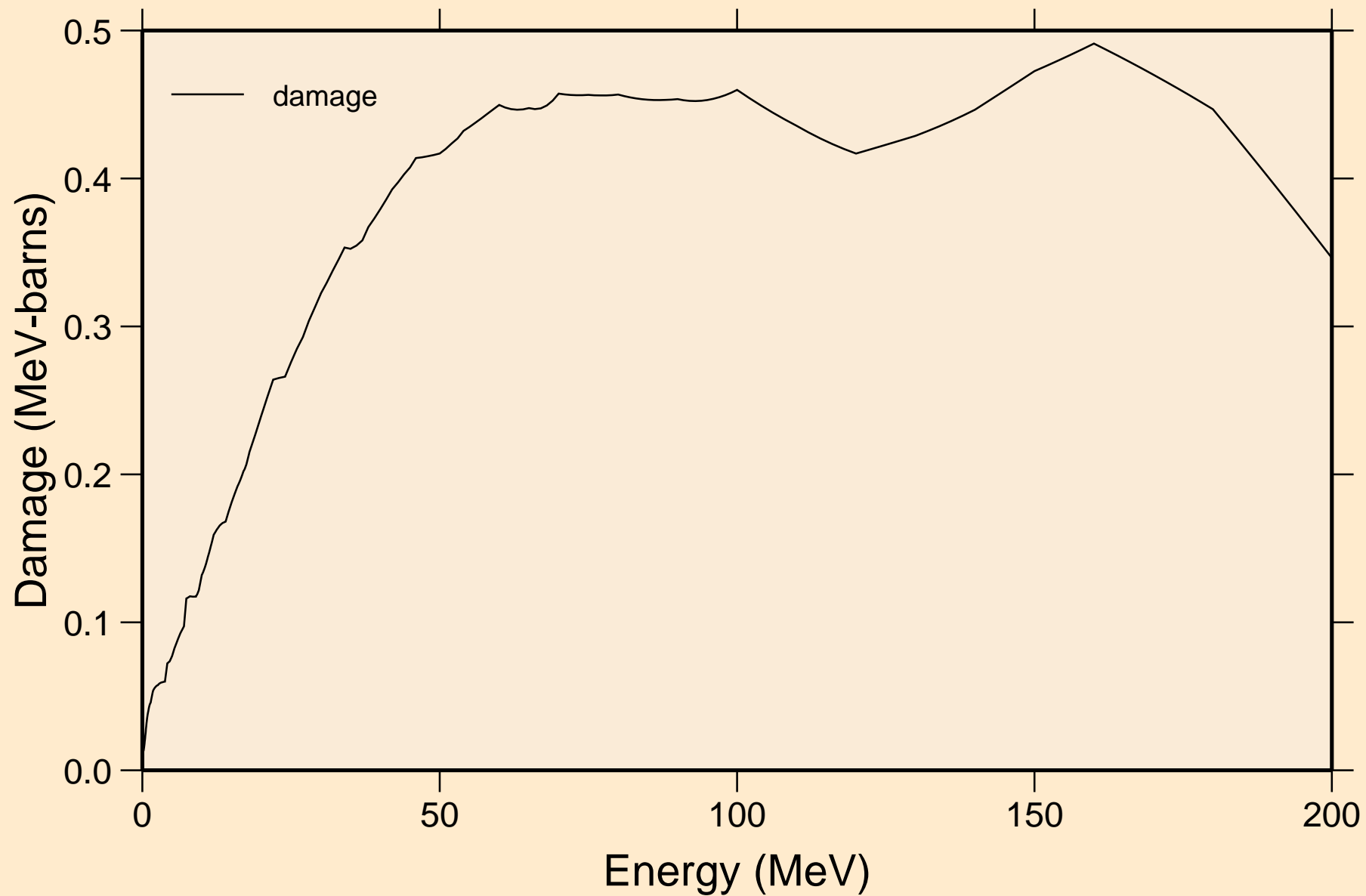
## Principal cross sections



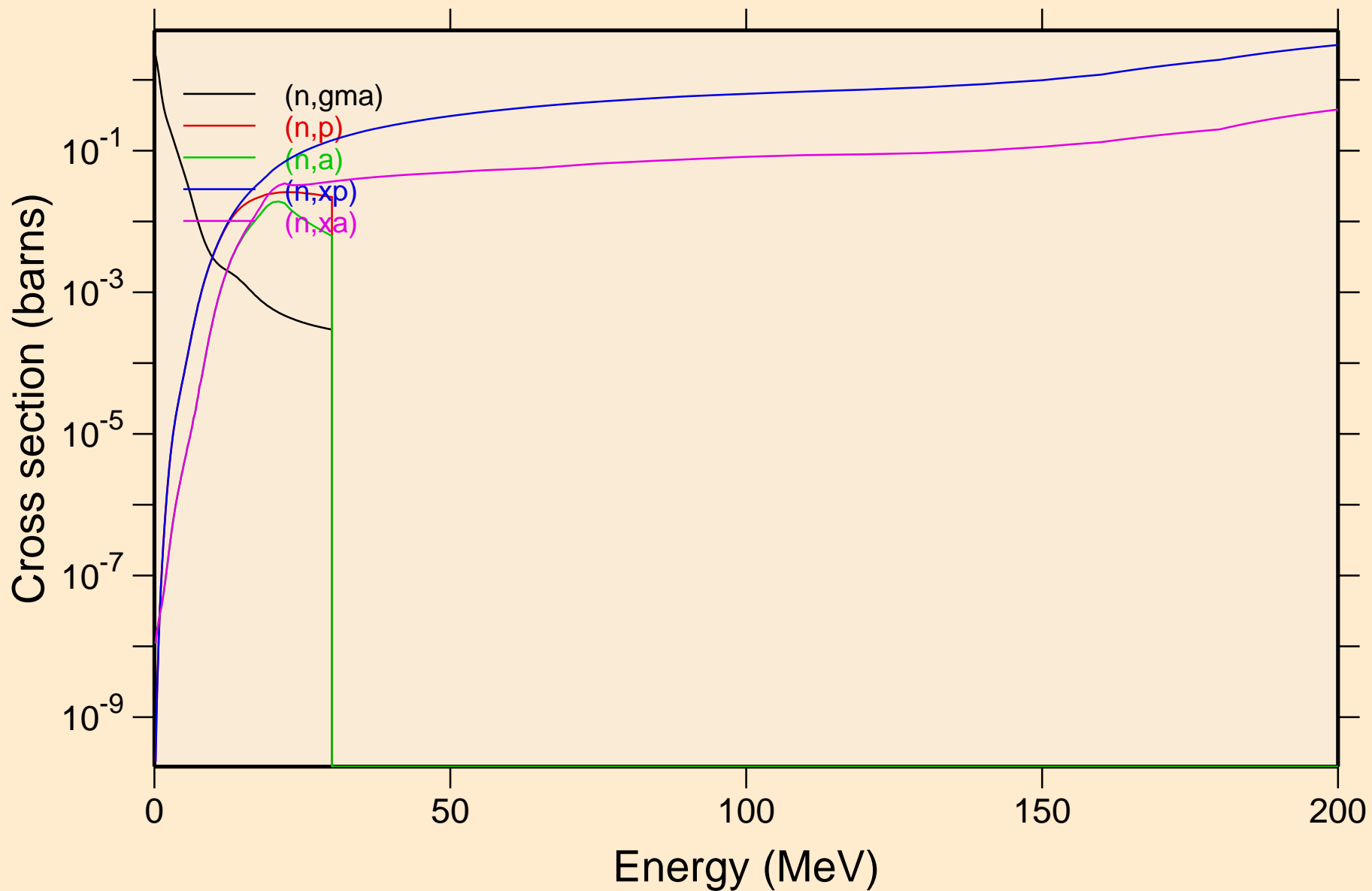
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage

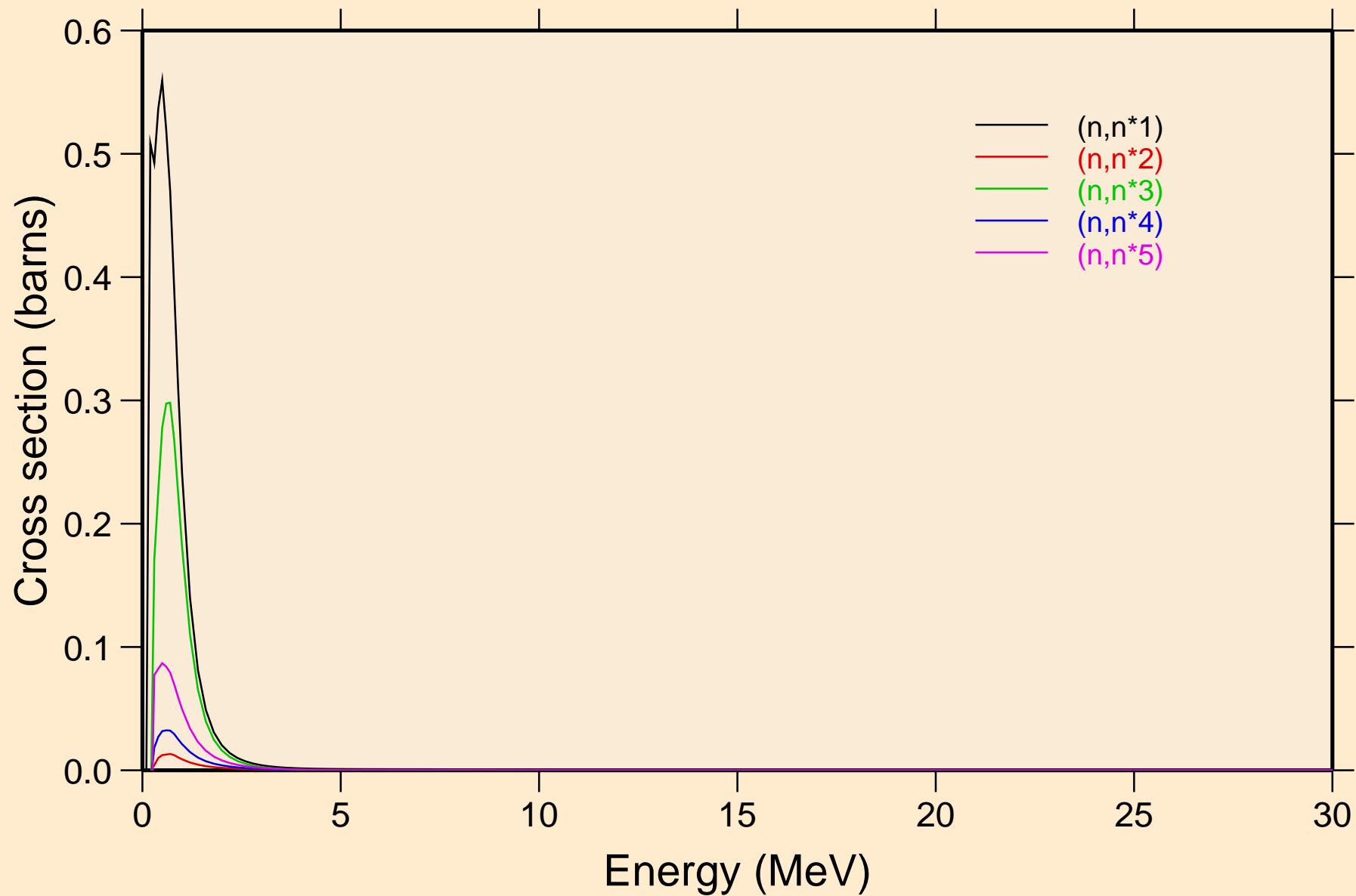


HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

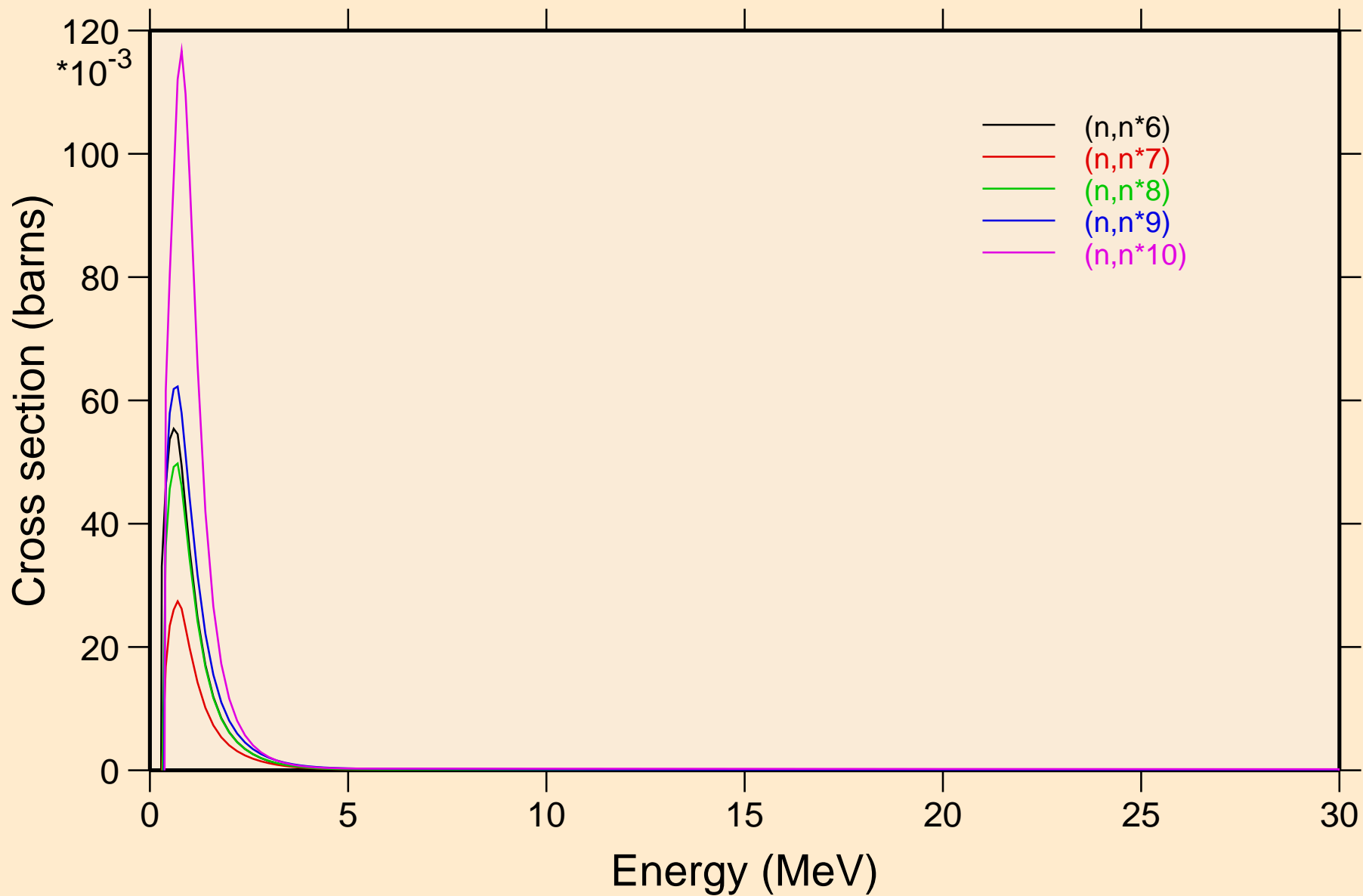




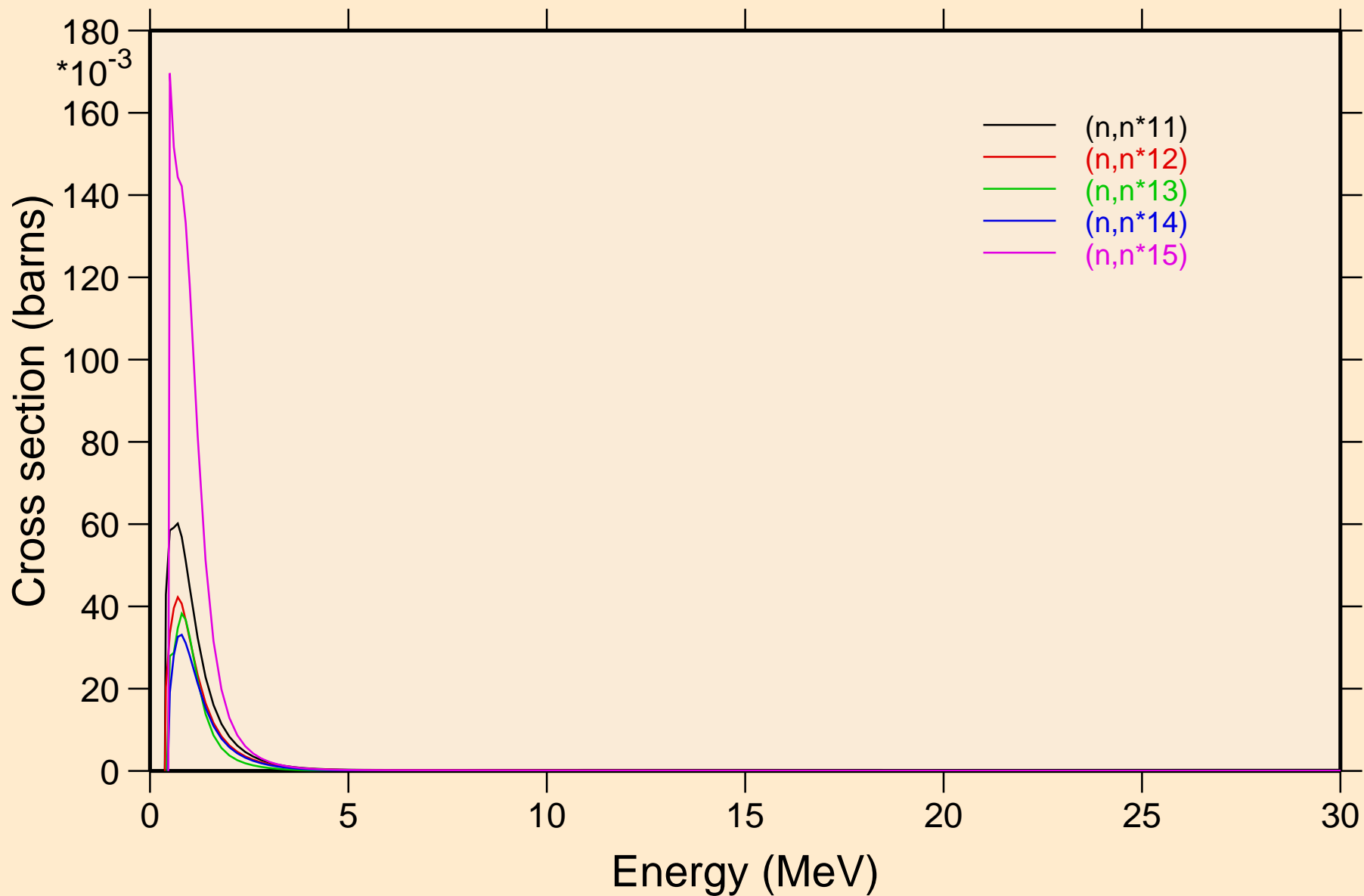
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



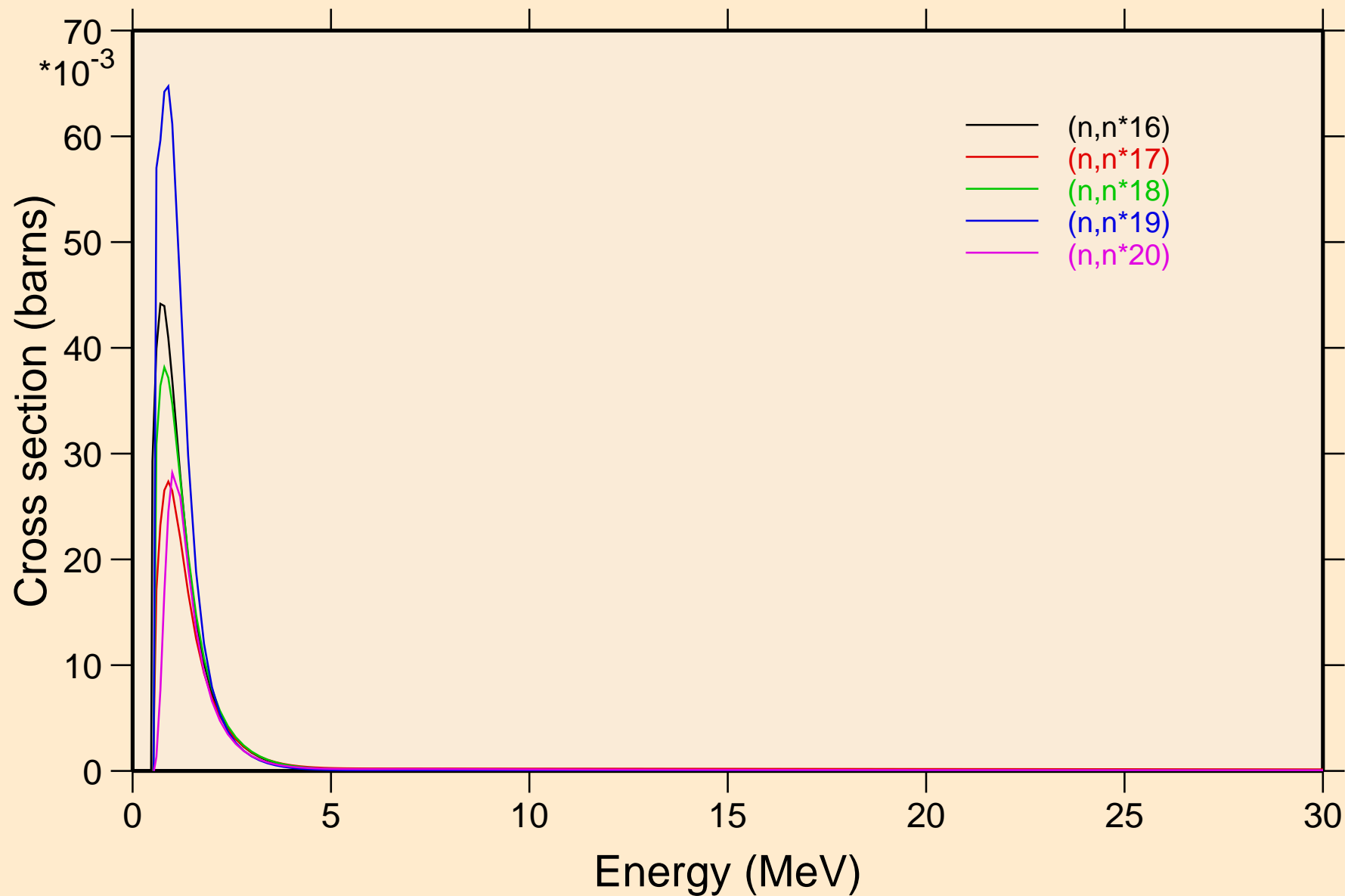
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



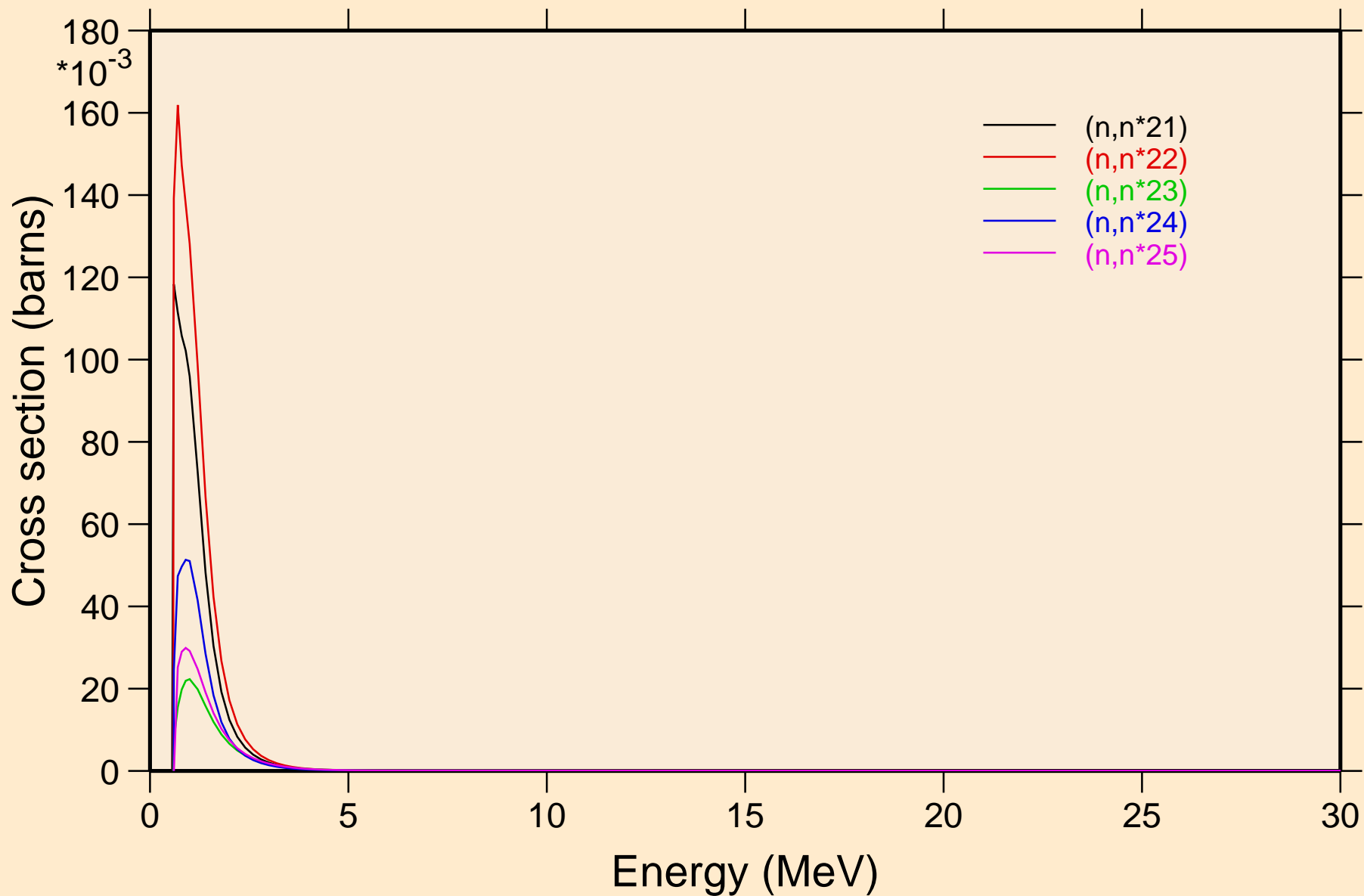
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



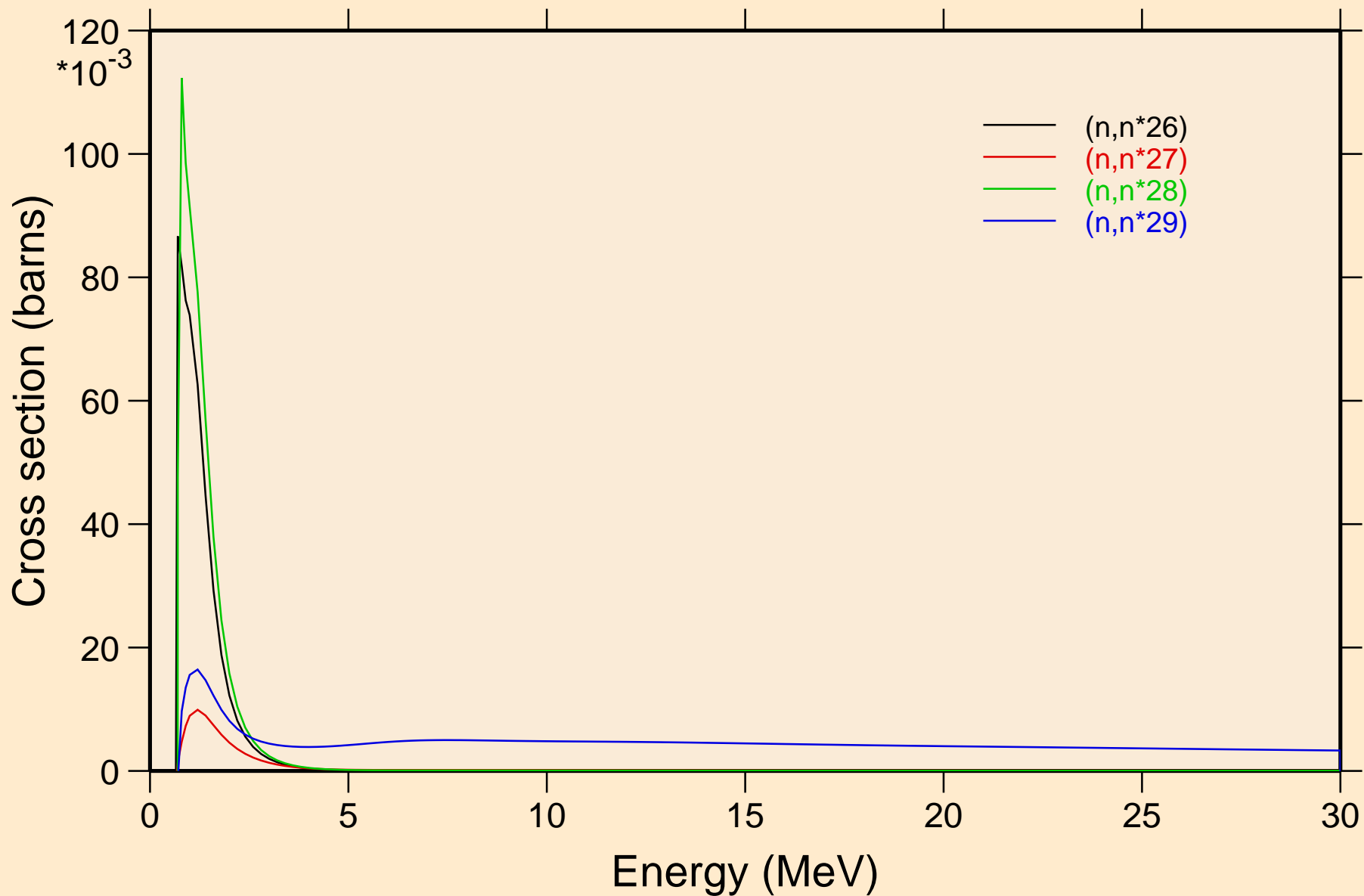
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

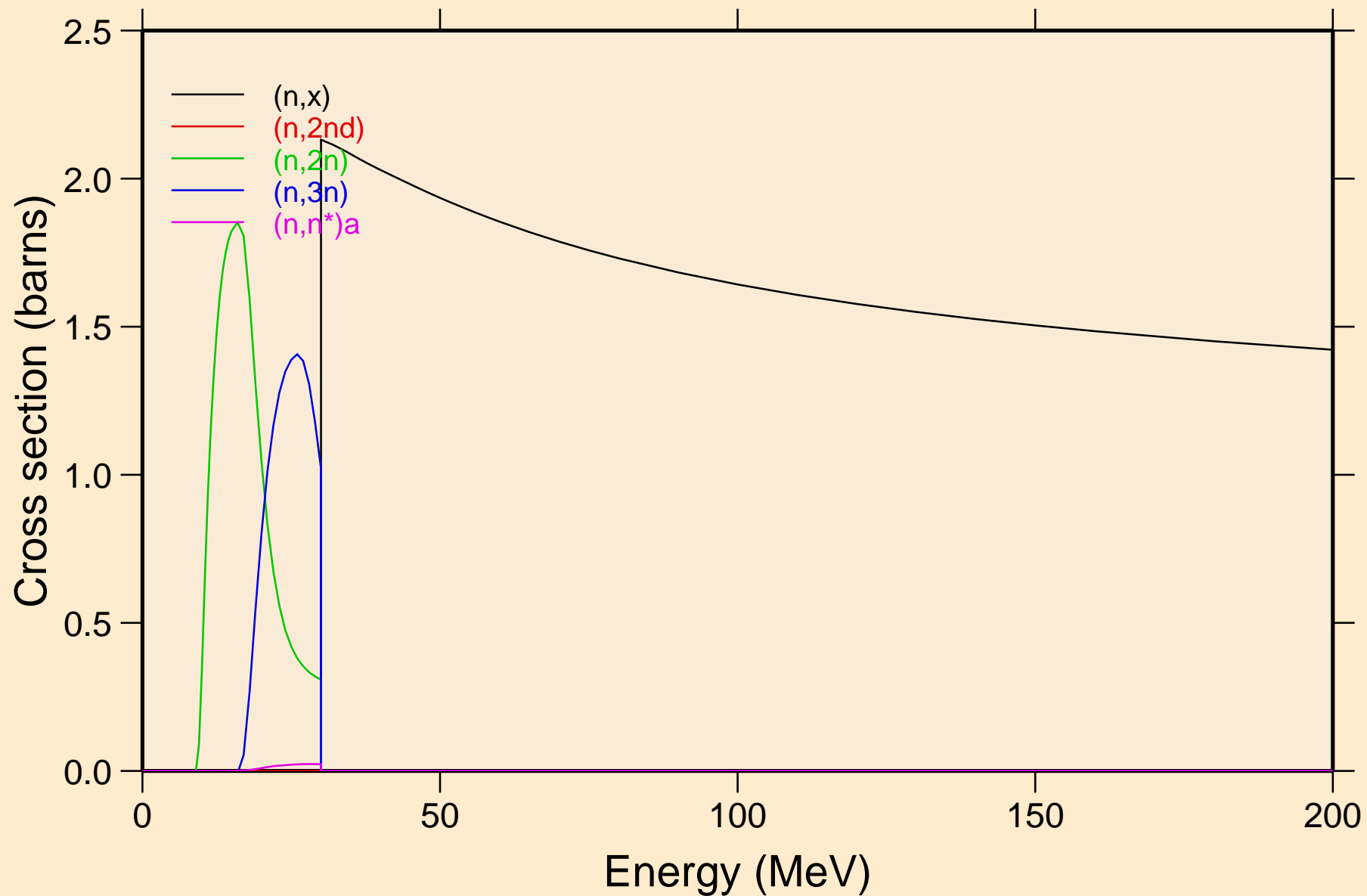


HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

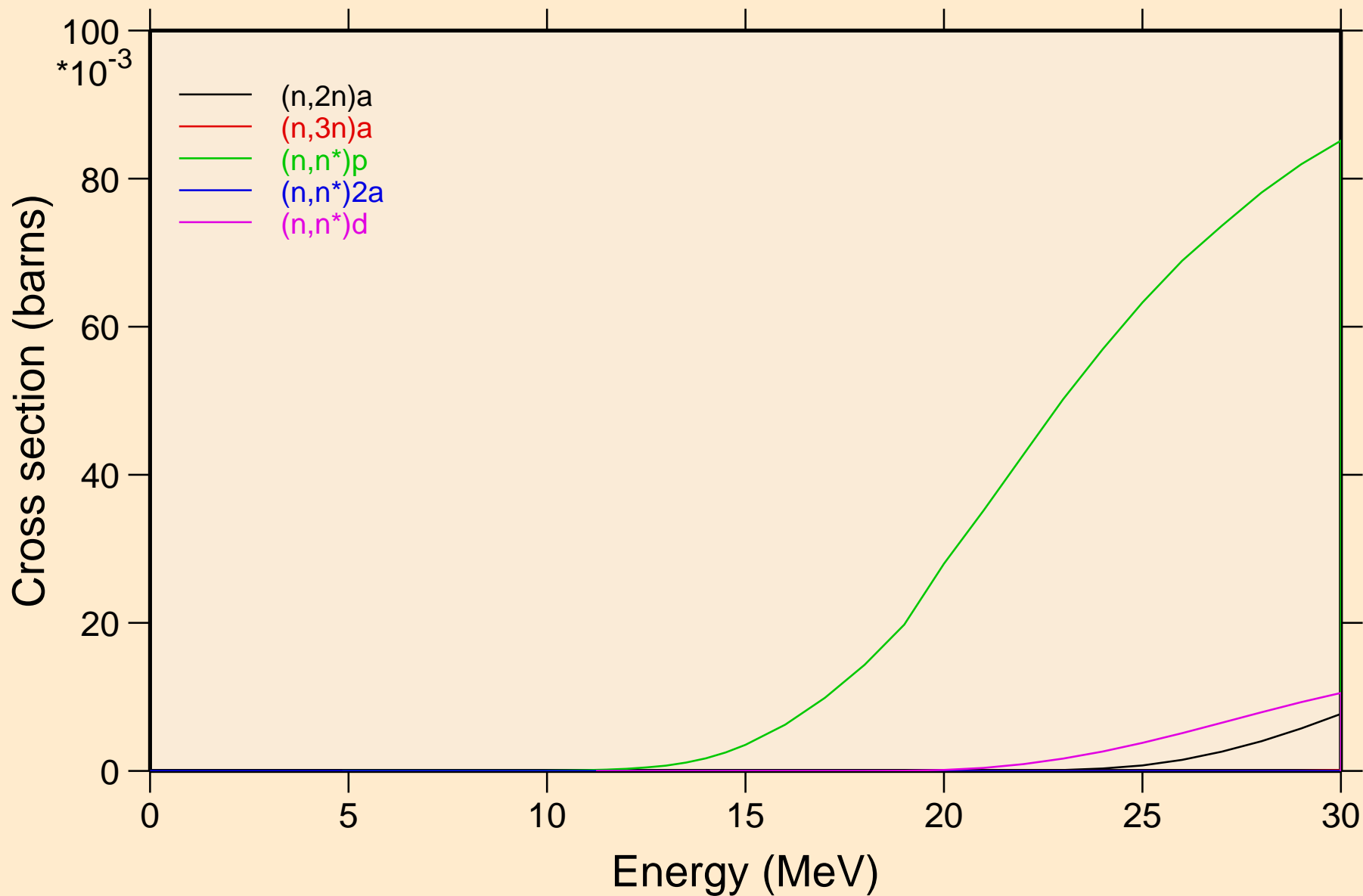


# HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions

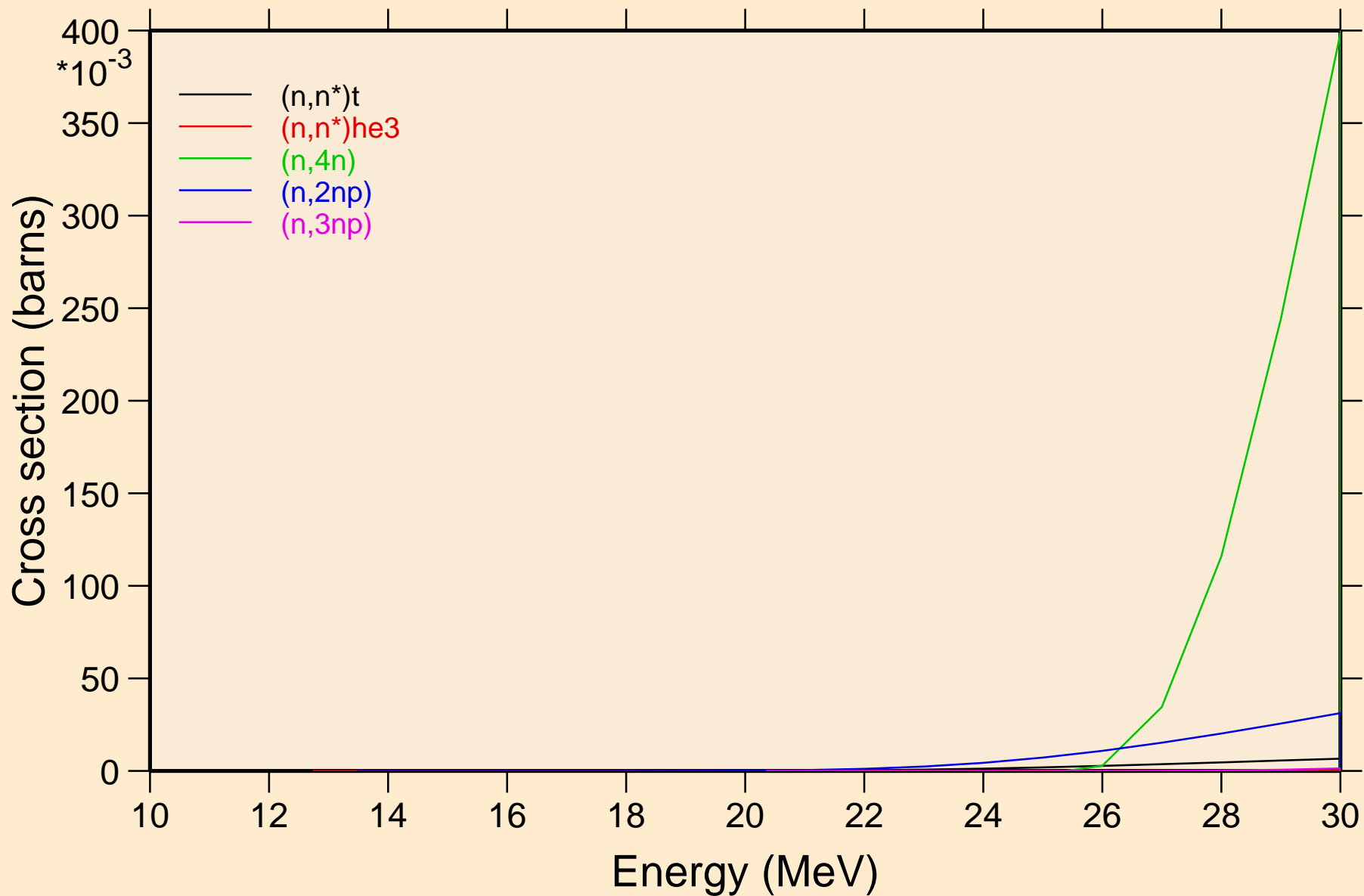


HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



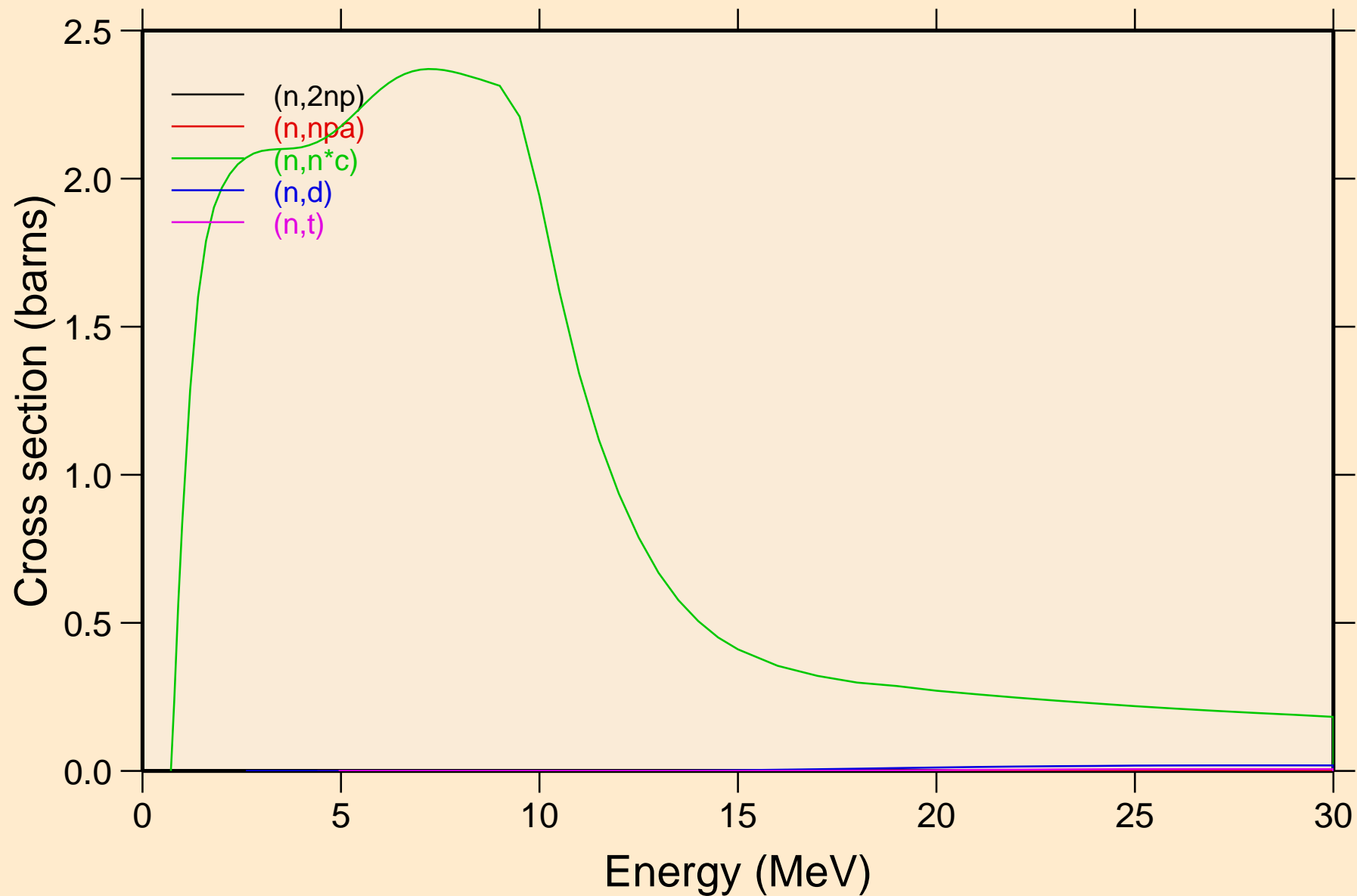


HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

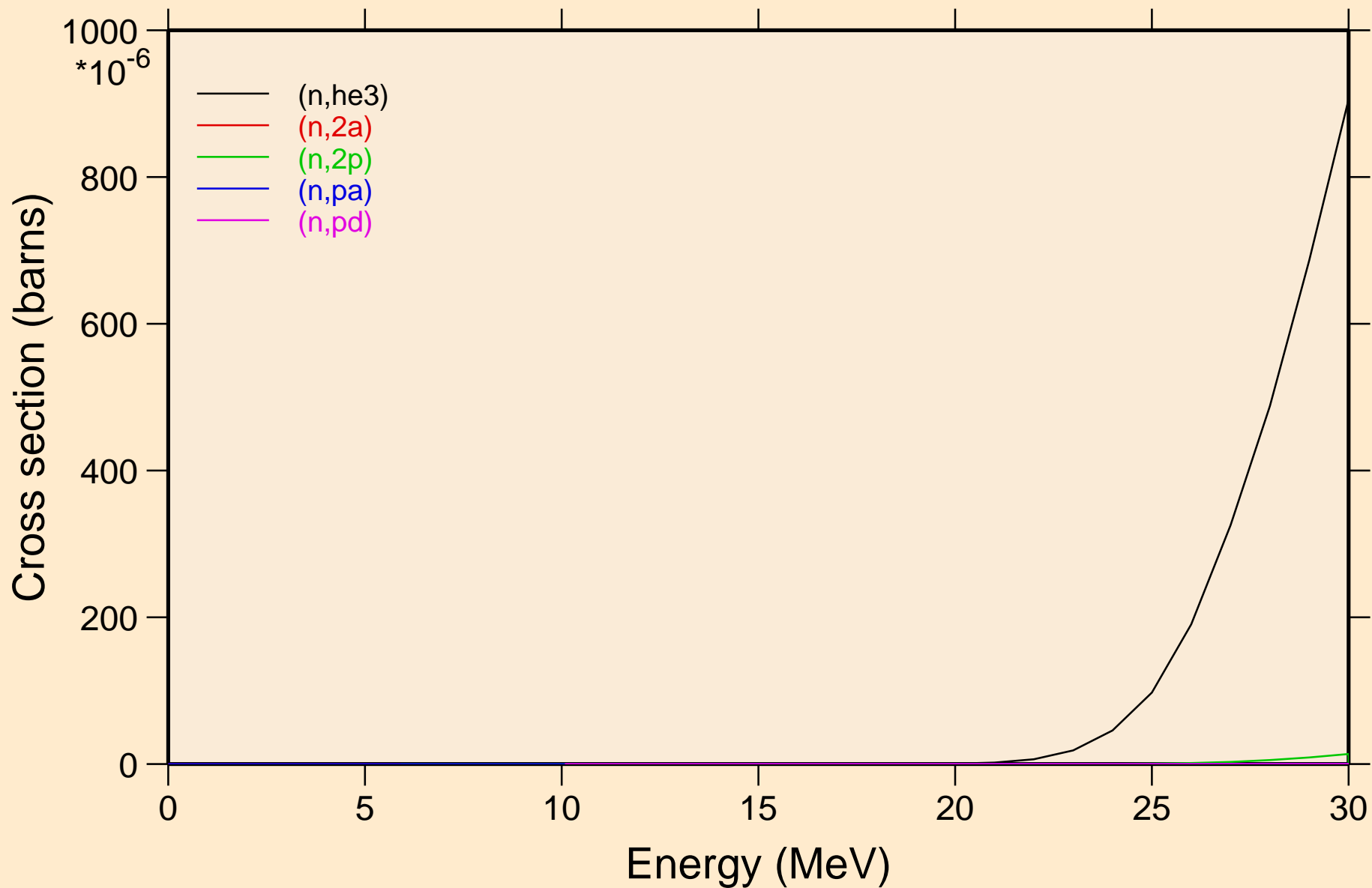


# HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

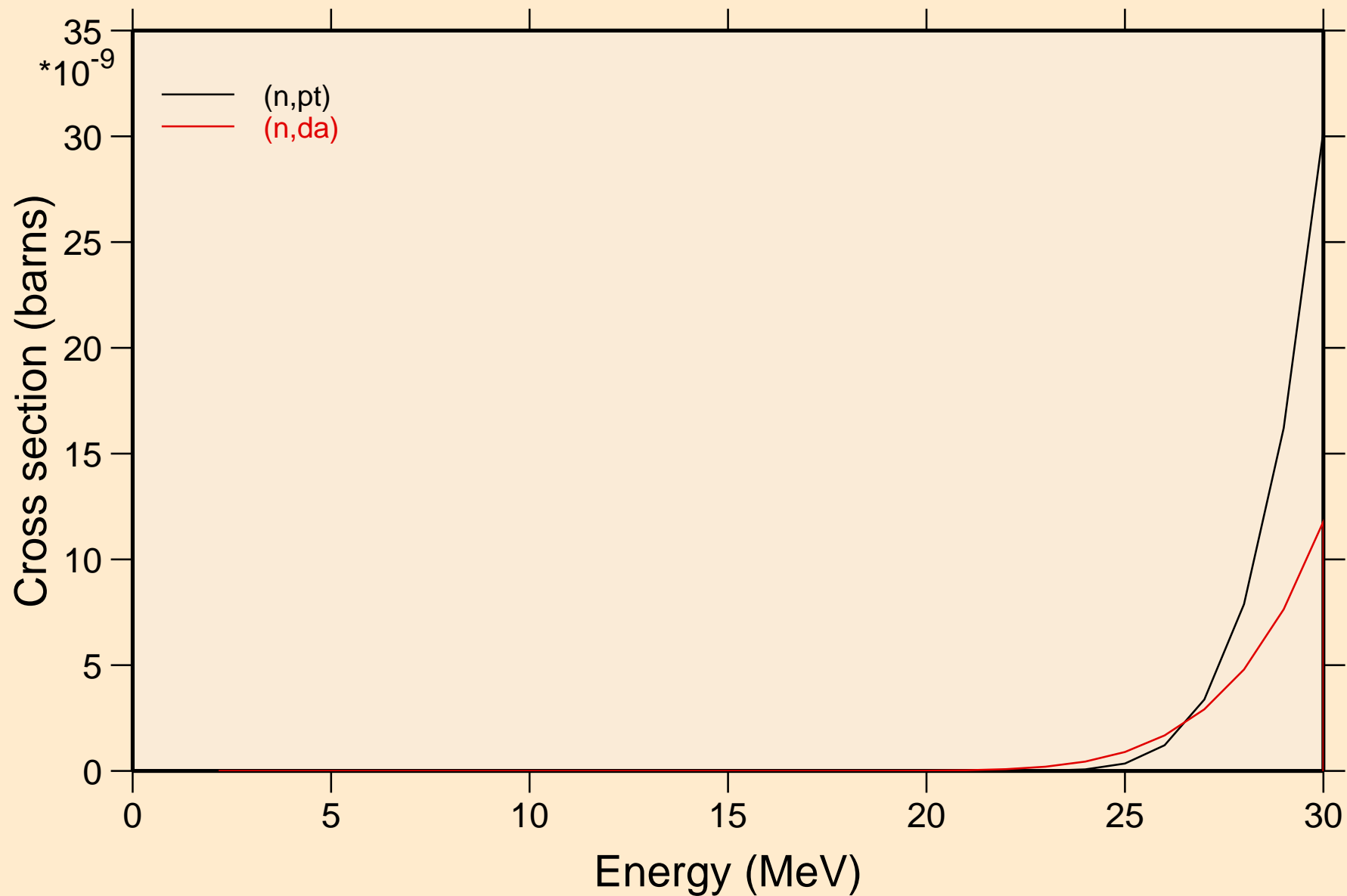
## Threshold reactions



HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

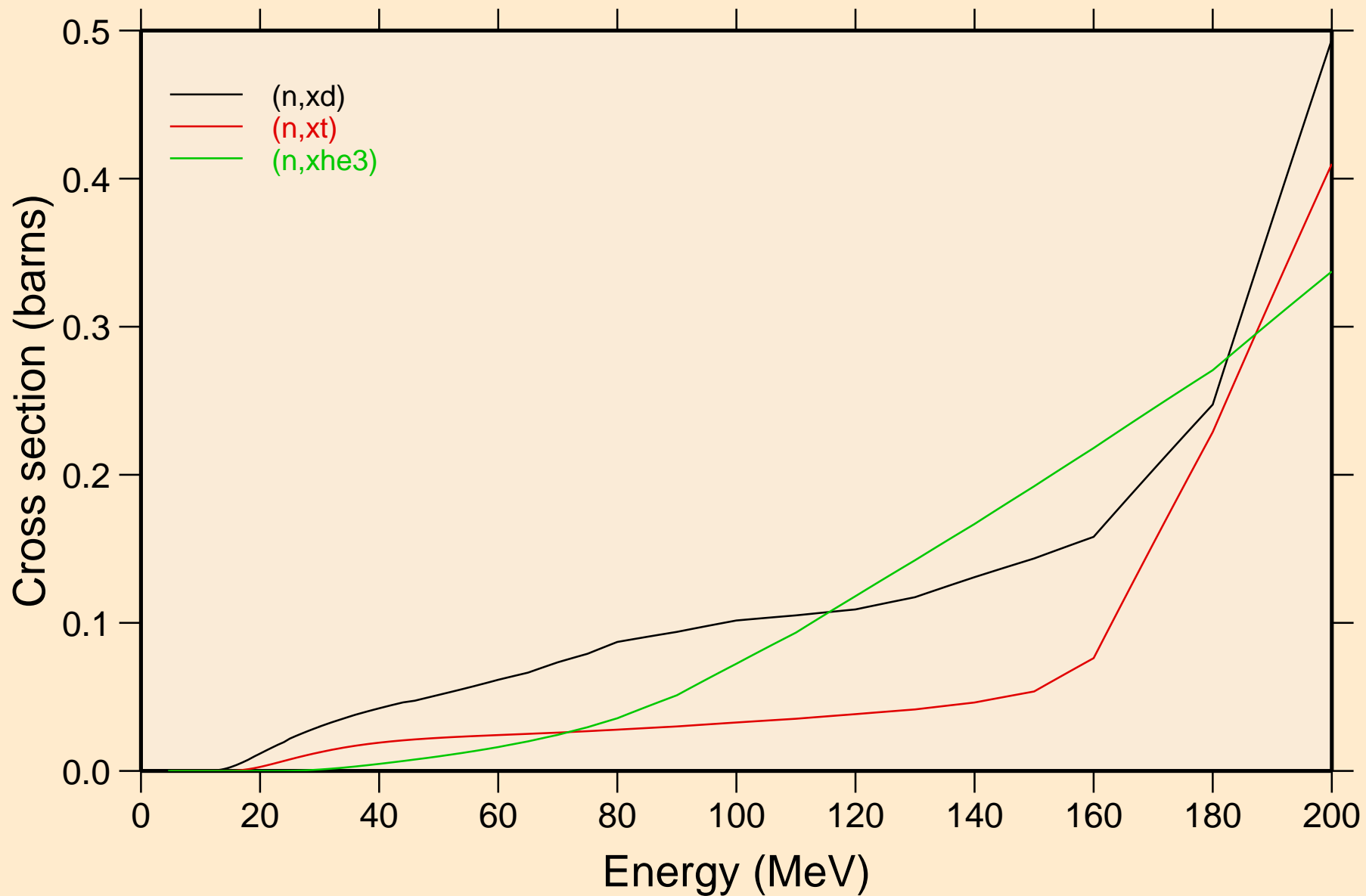


HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

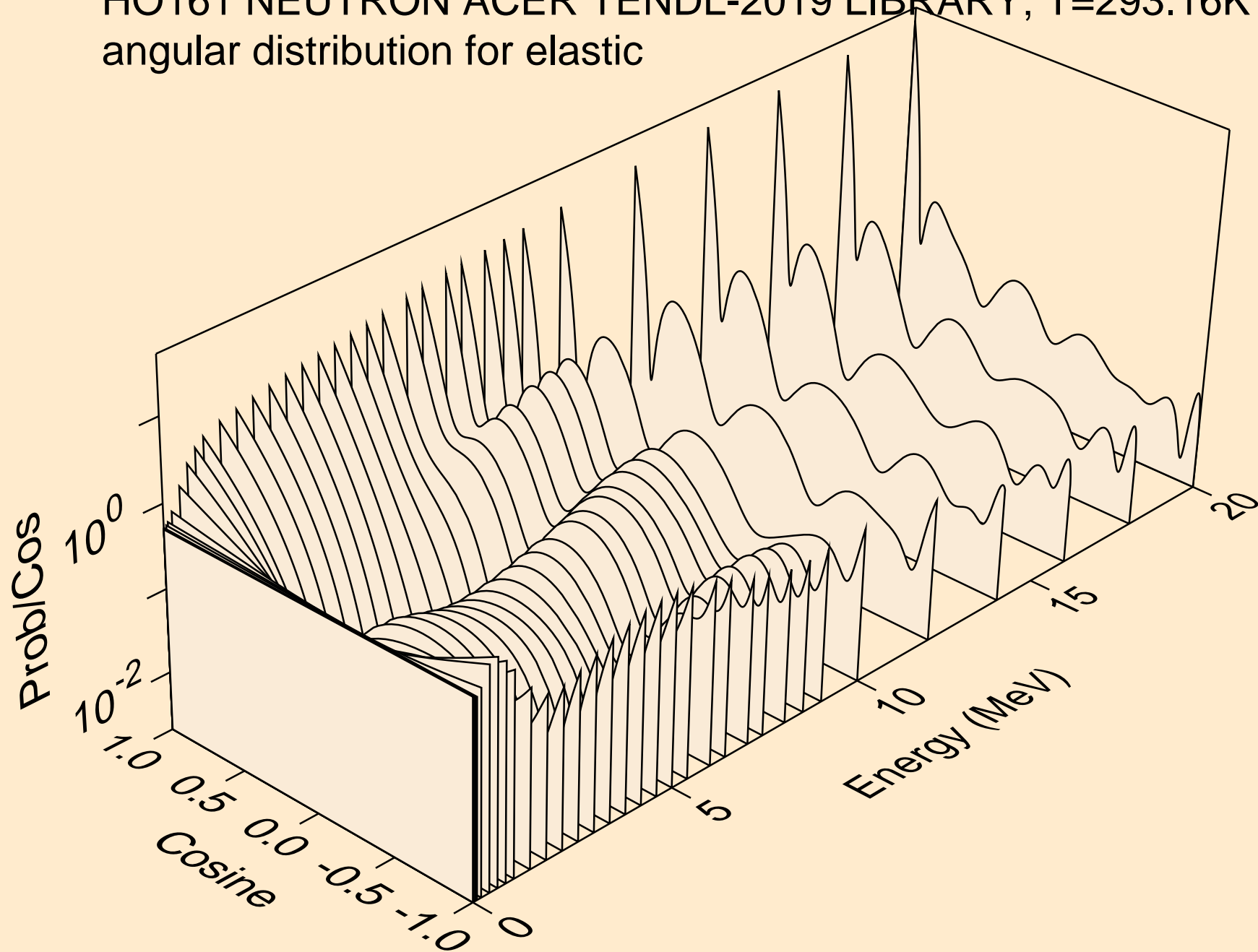


# HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

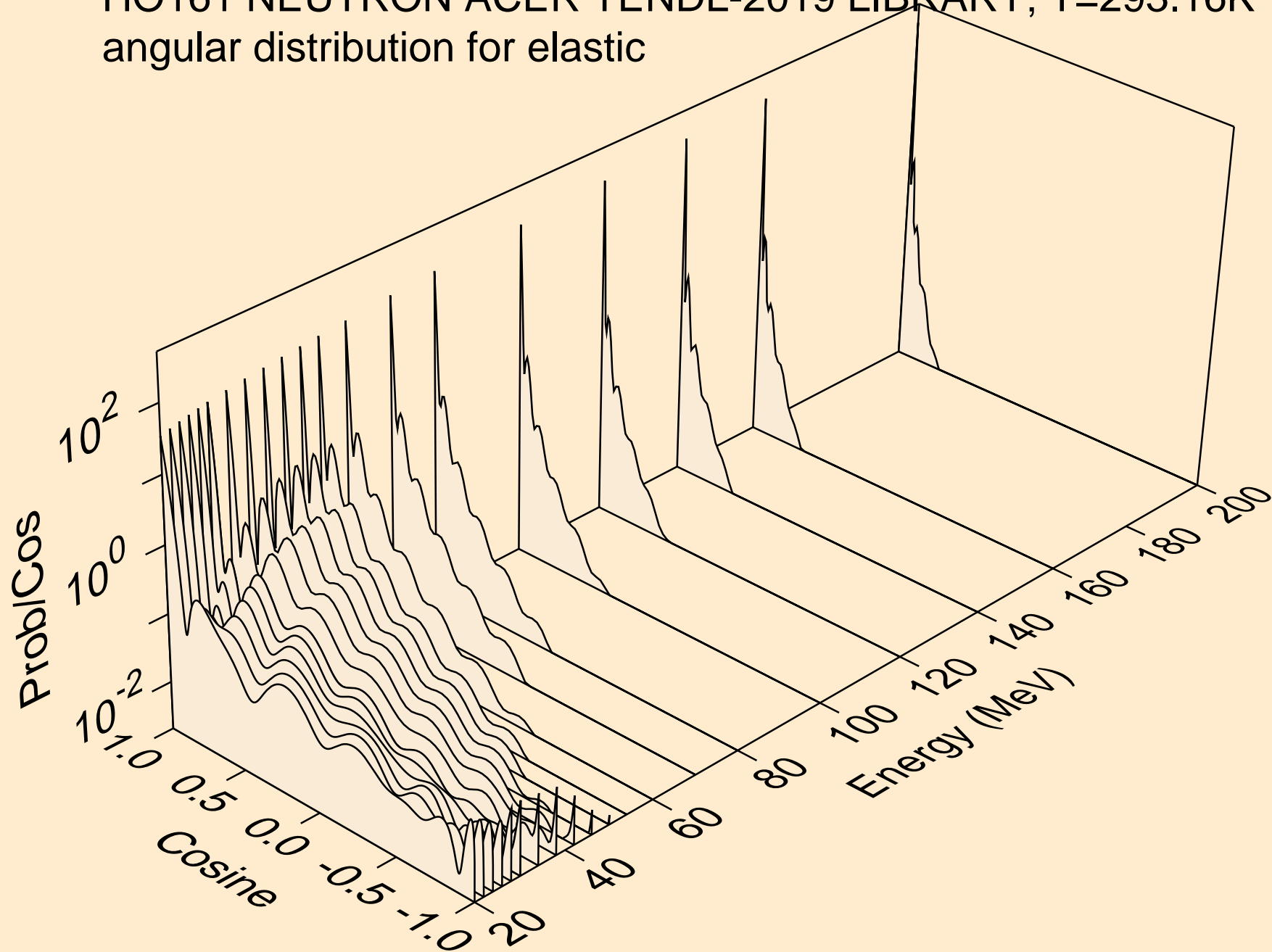
## Threshold reactions



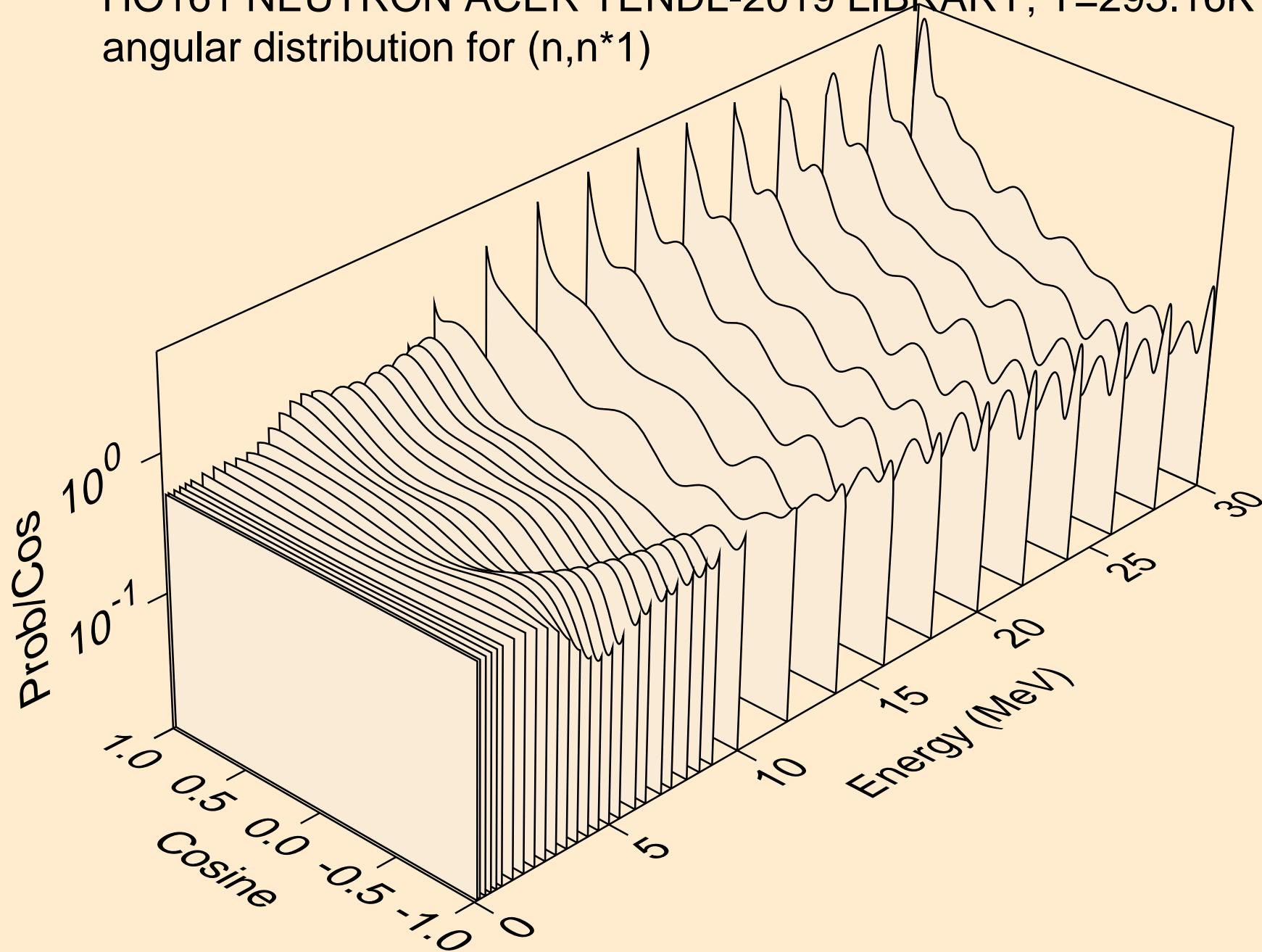
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic

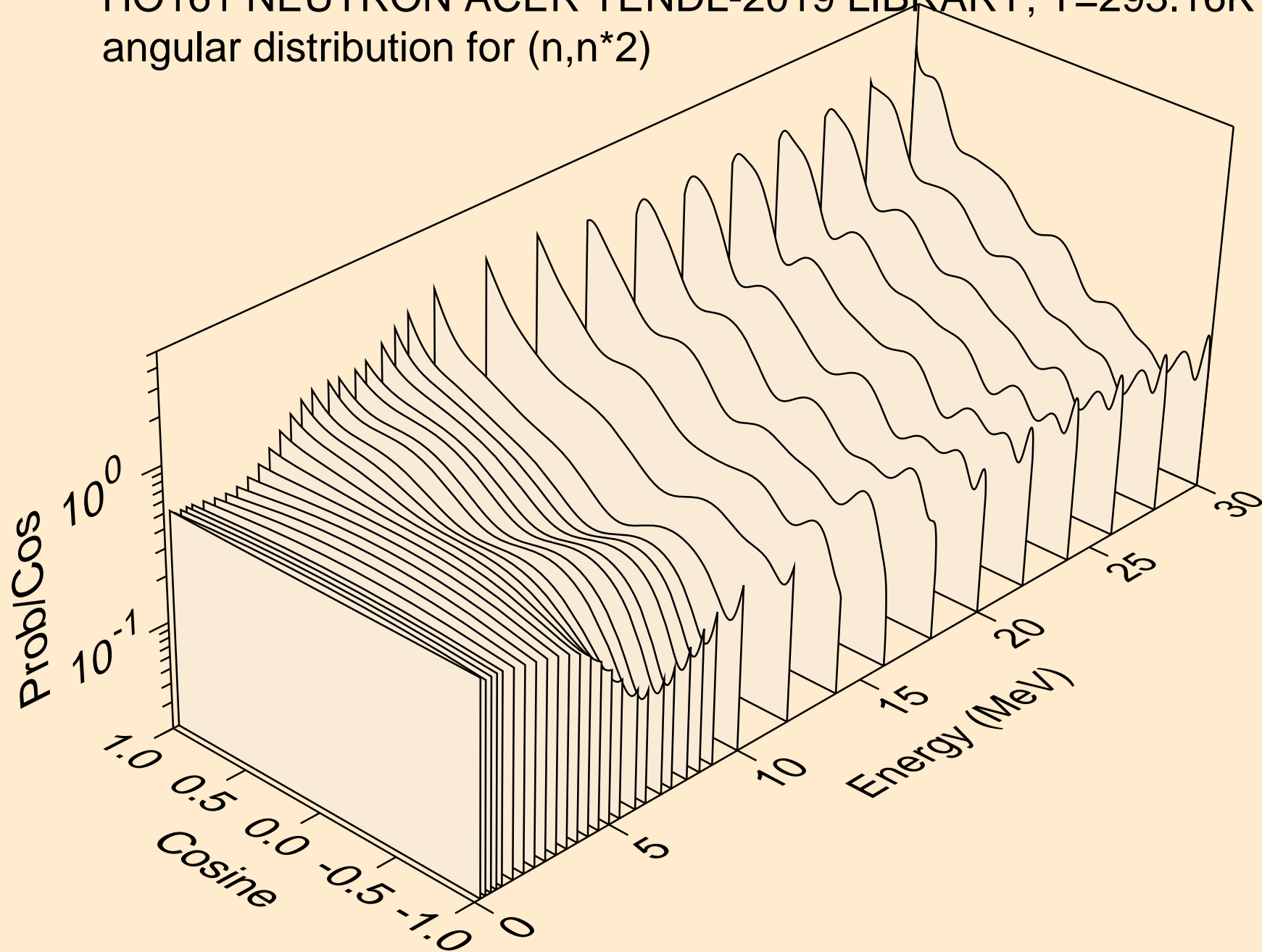


HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)

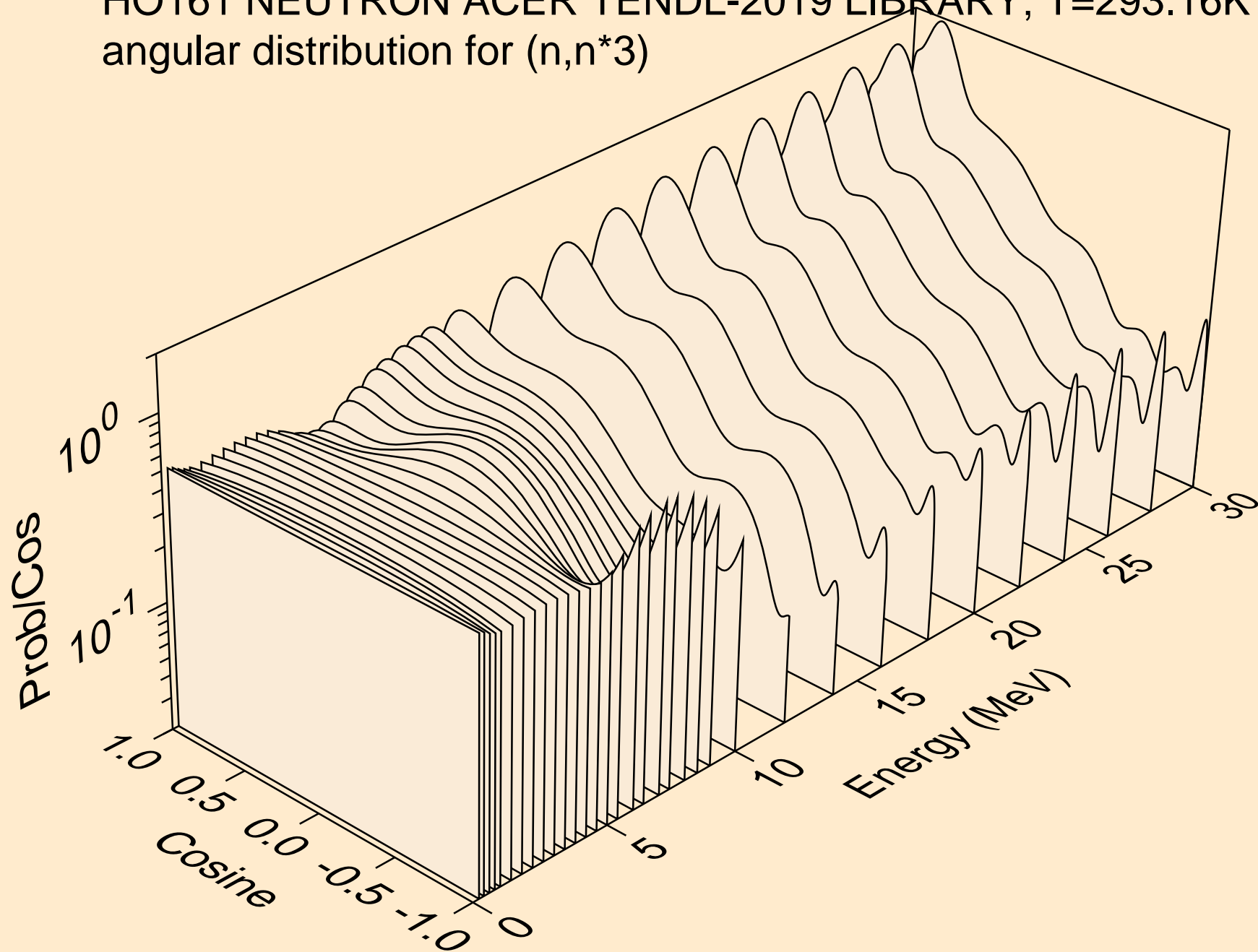




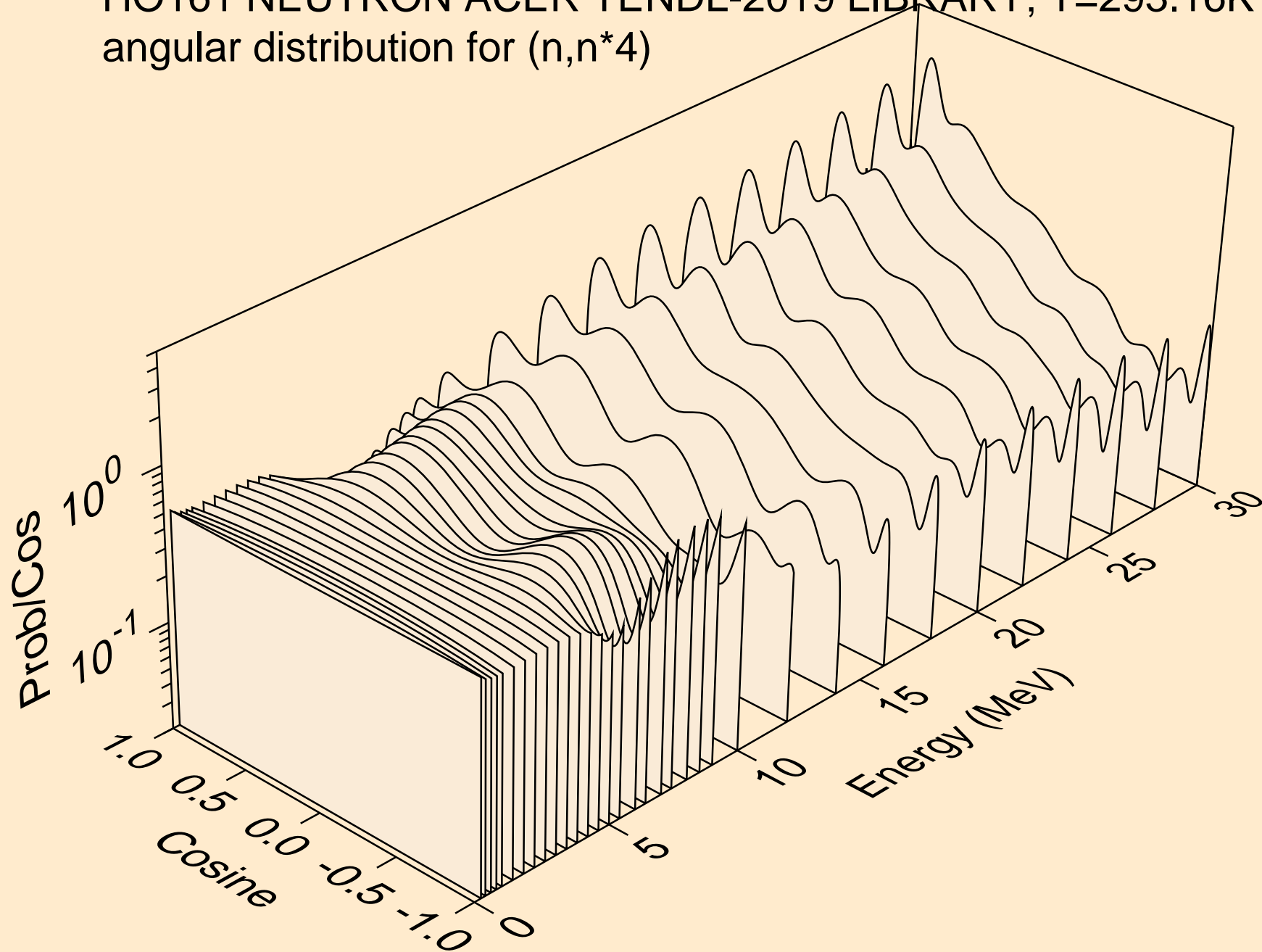
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)



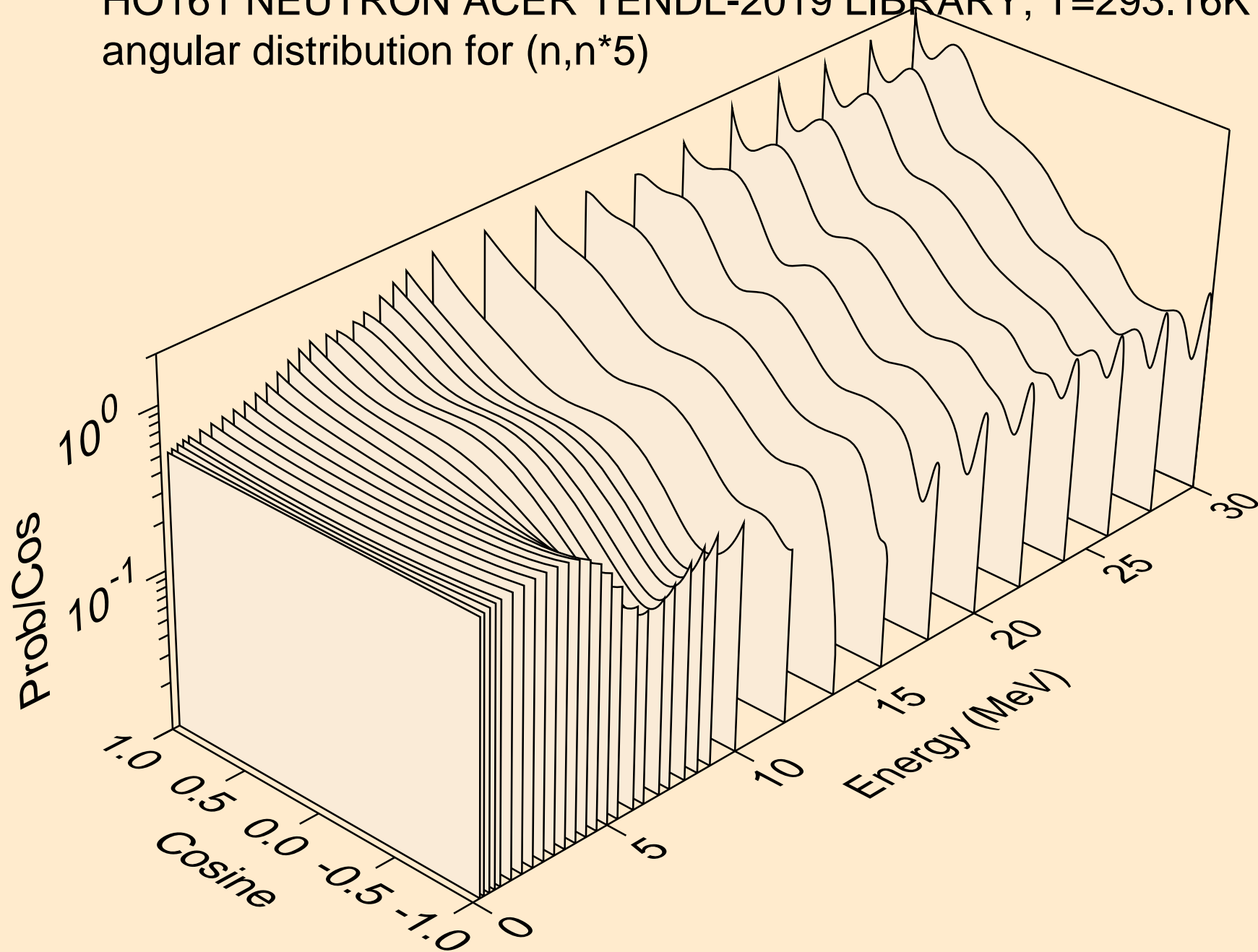
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*3)



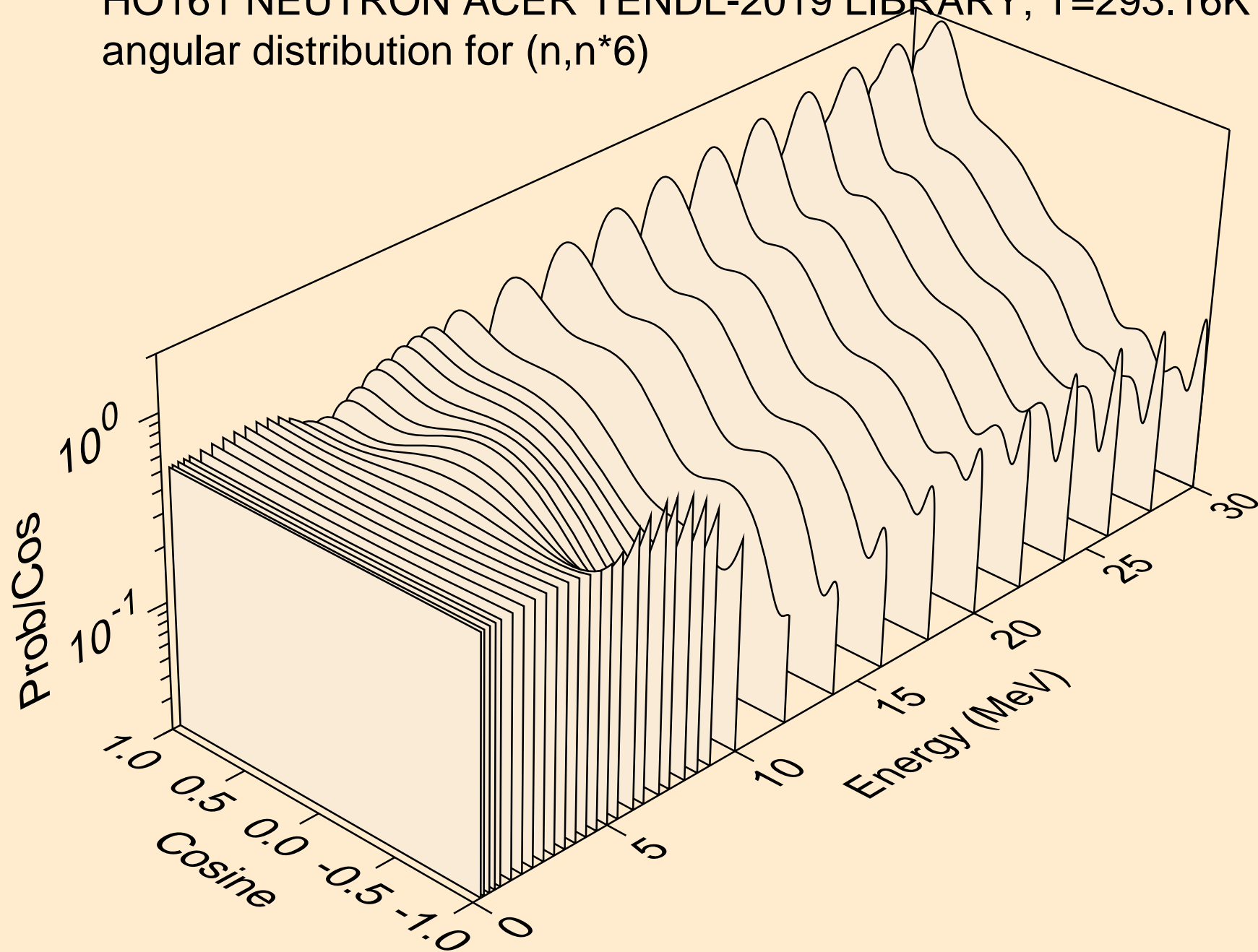
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*4)



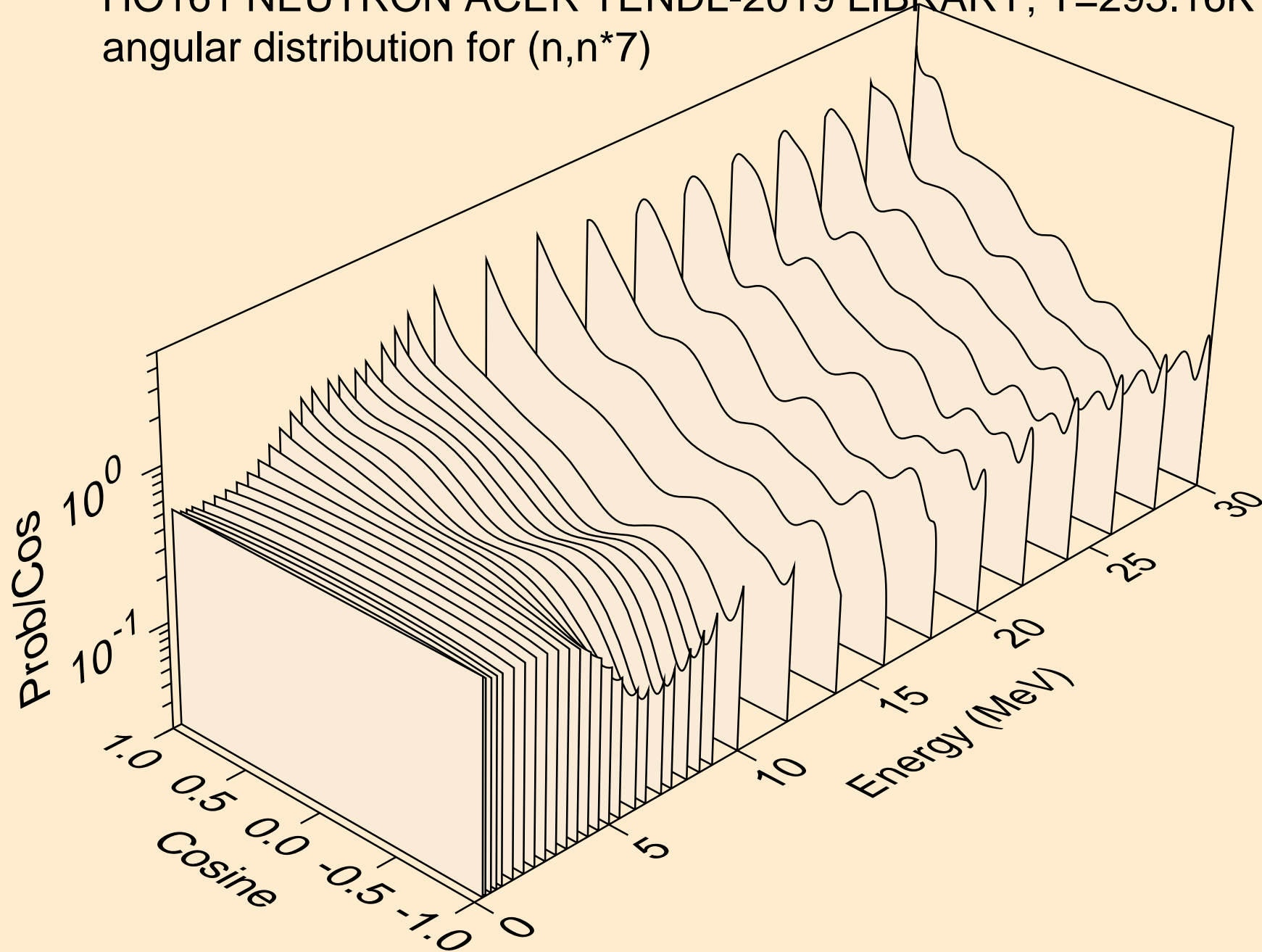
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angular distribution for (n,n\*5)



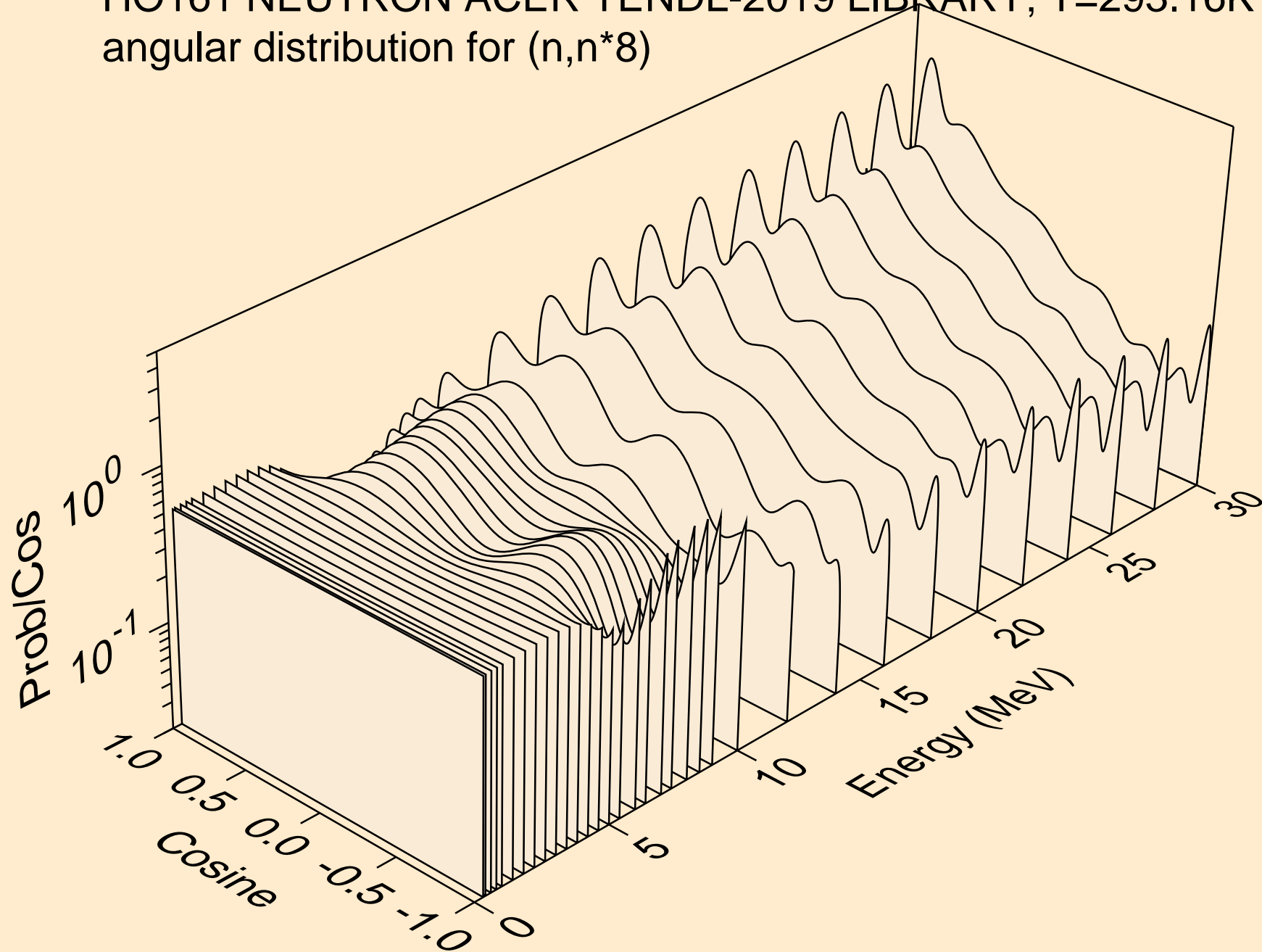
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*6)



HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)

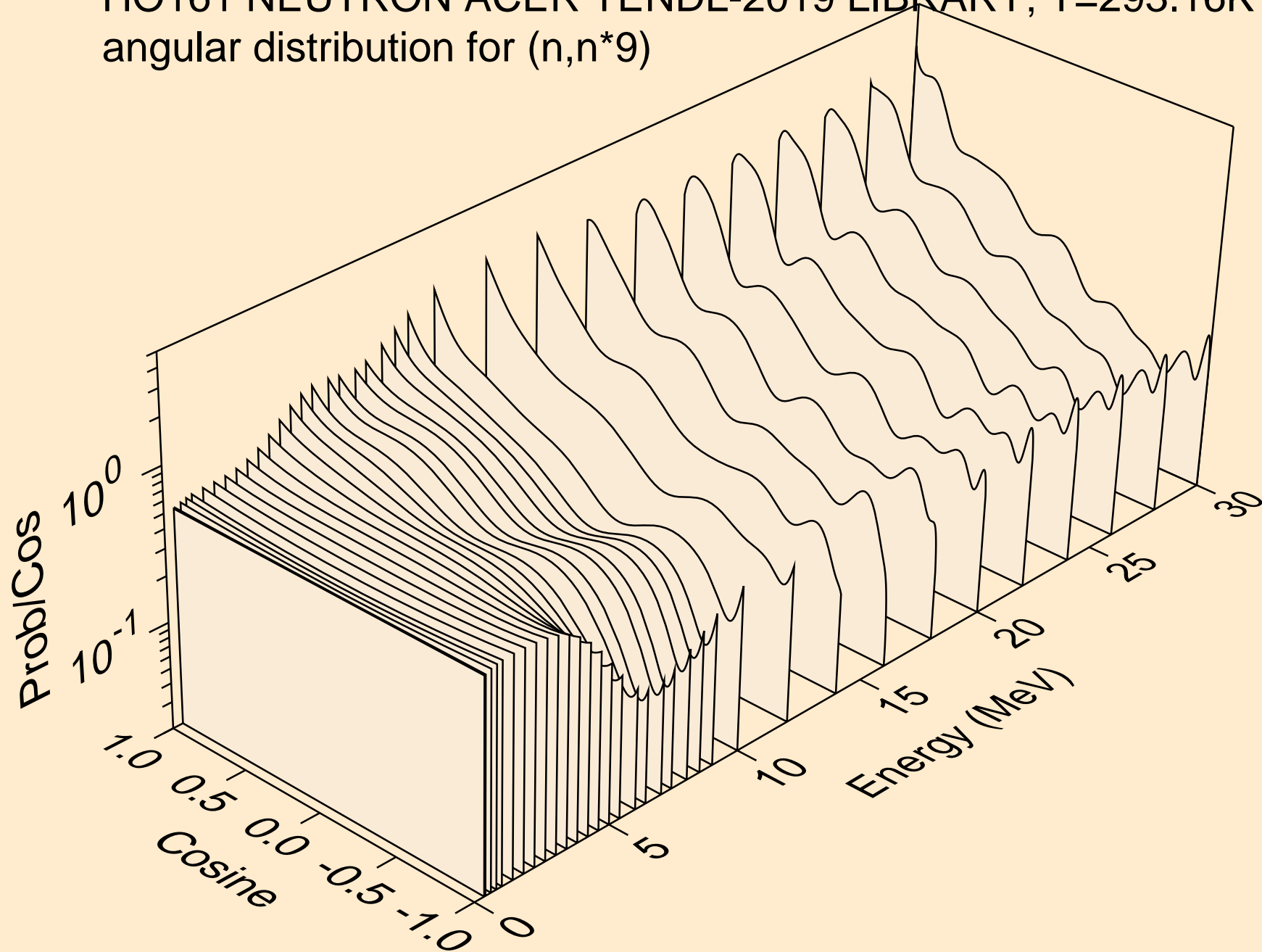


HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)



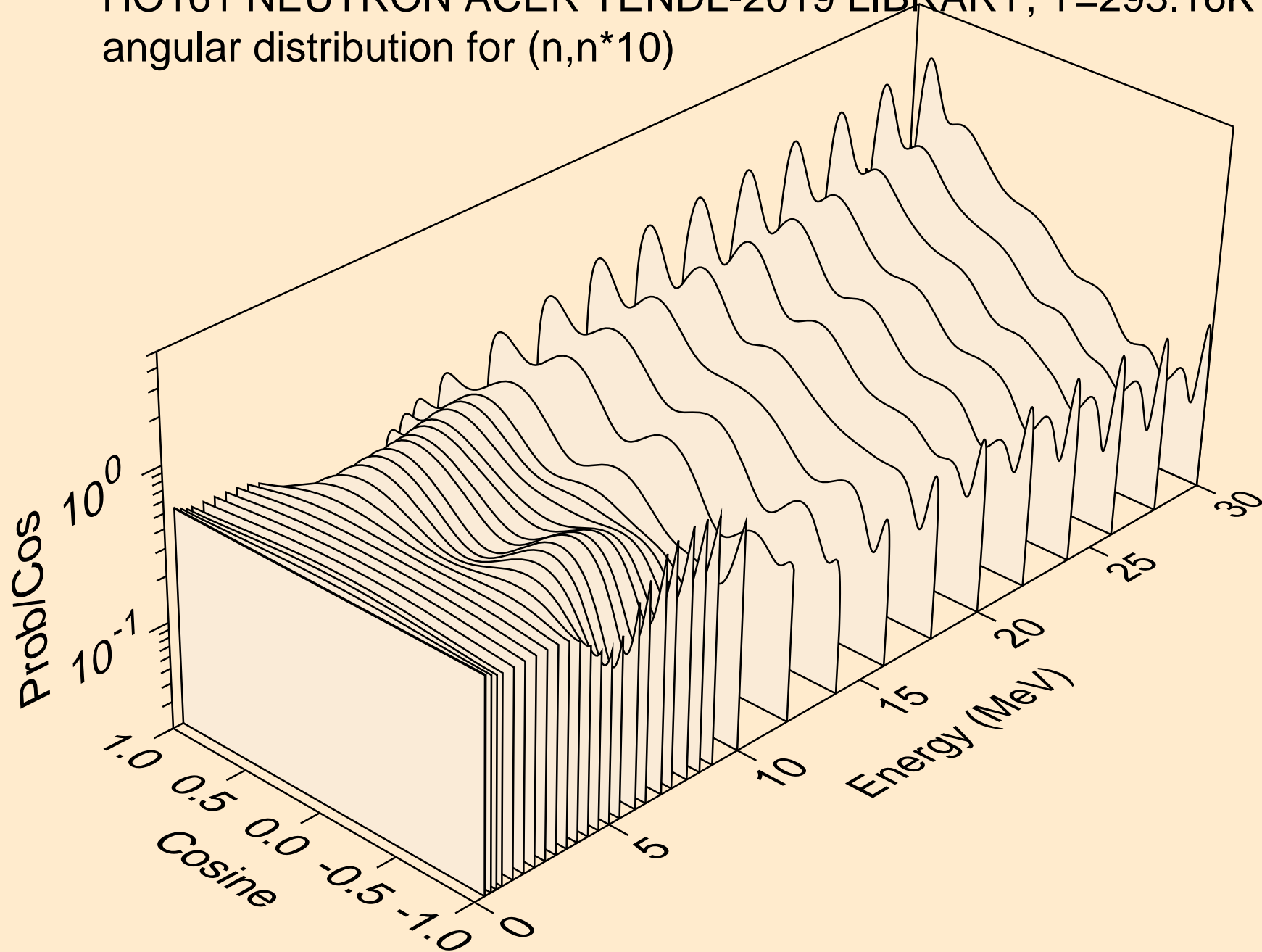


HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)

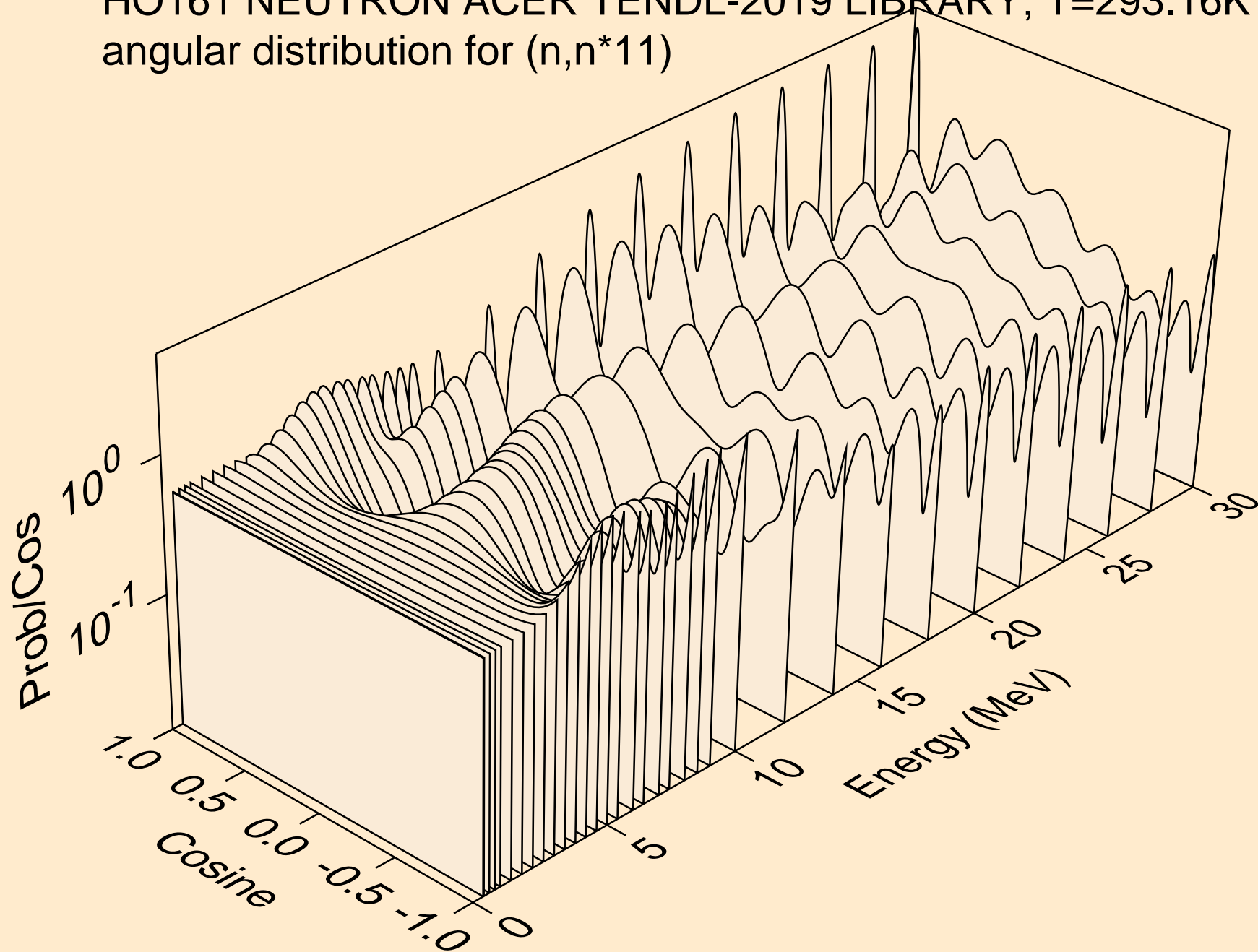




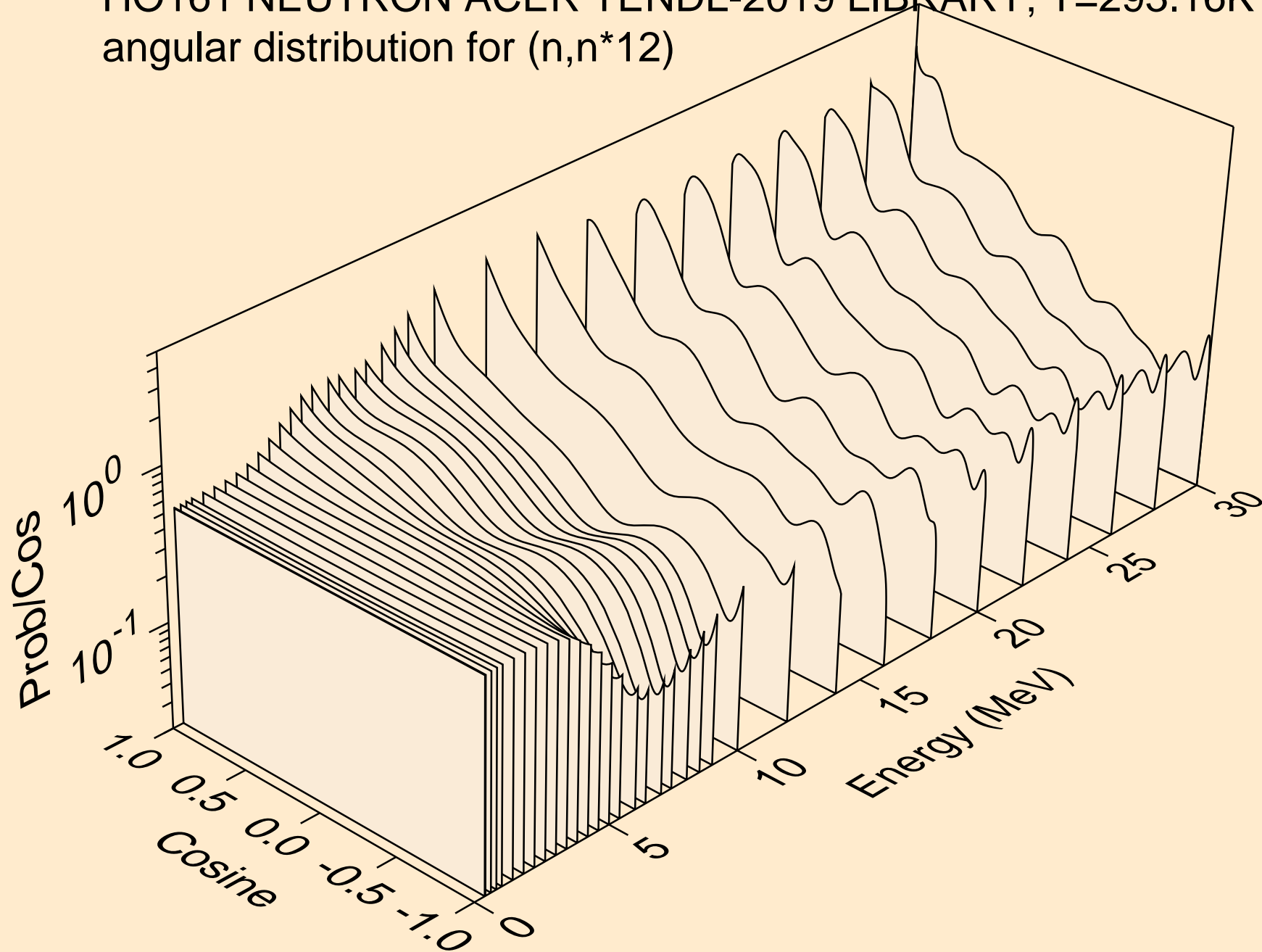
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angular distribution for (n,n\*10)



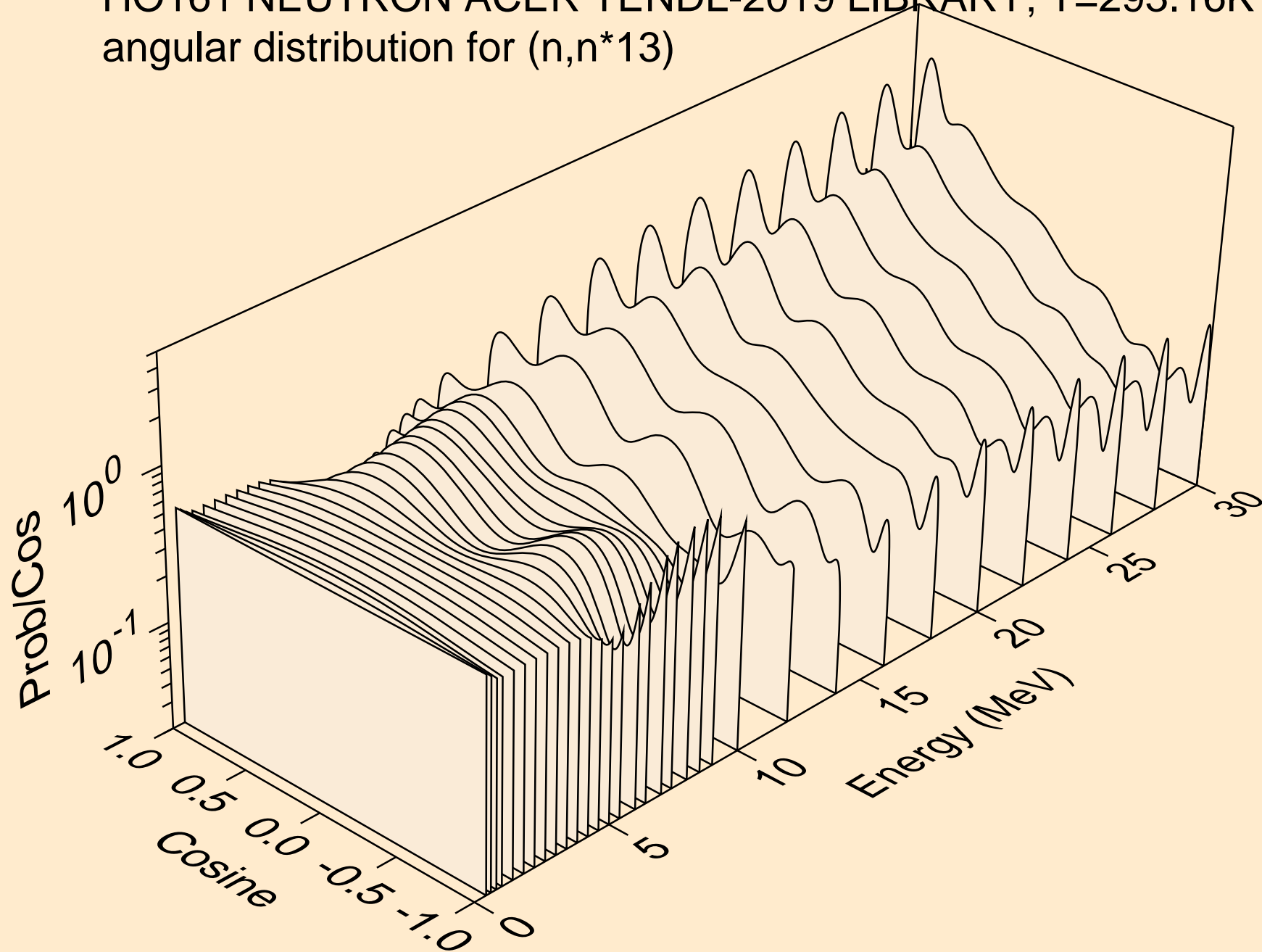
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*11)



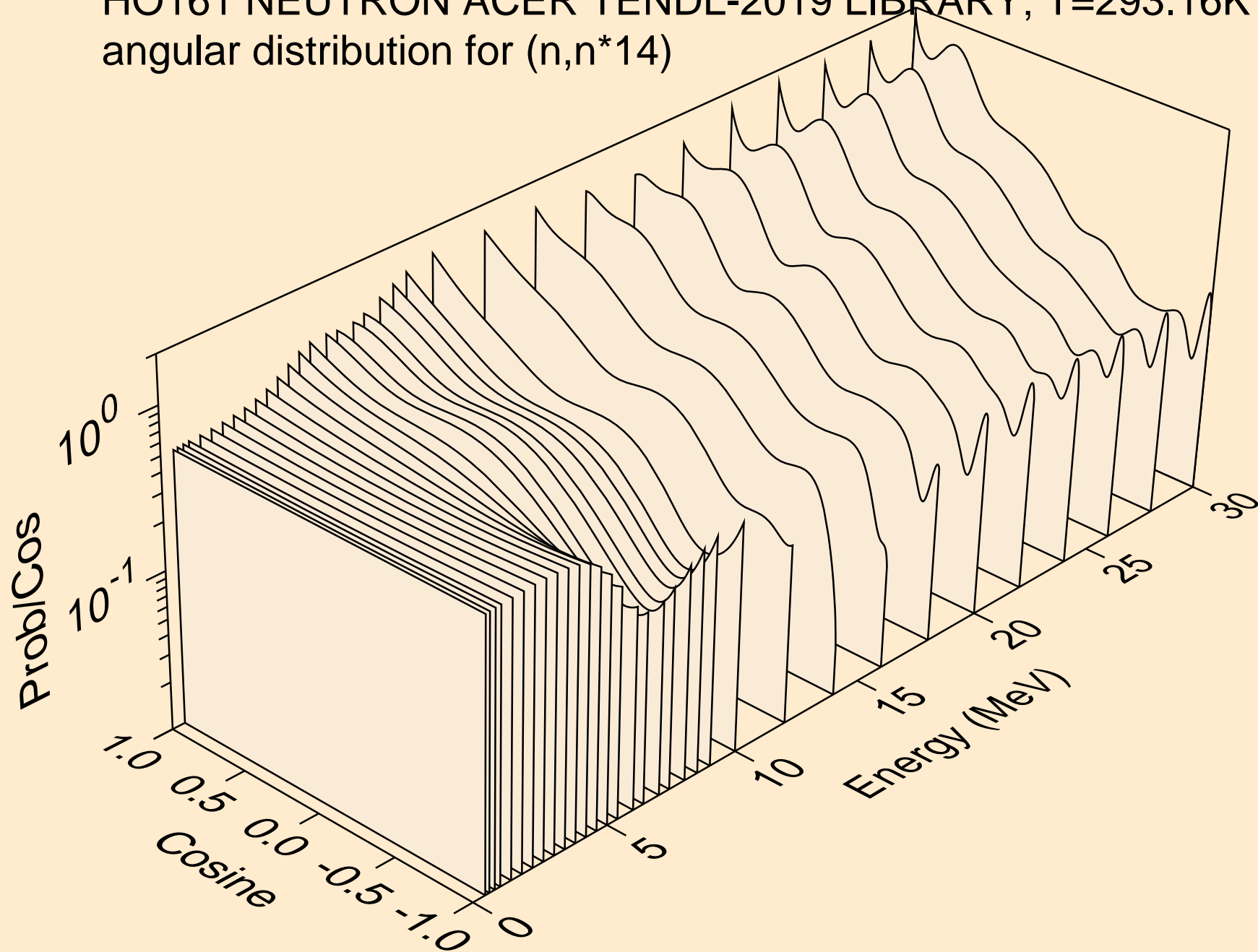
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angular distribution for (n,n\*12)



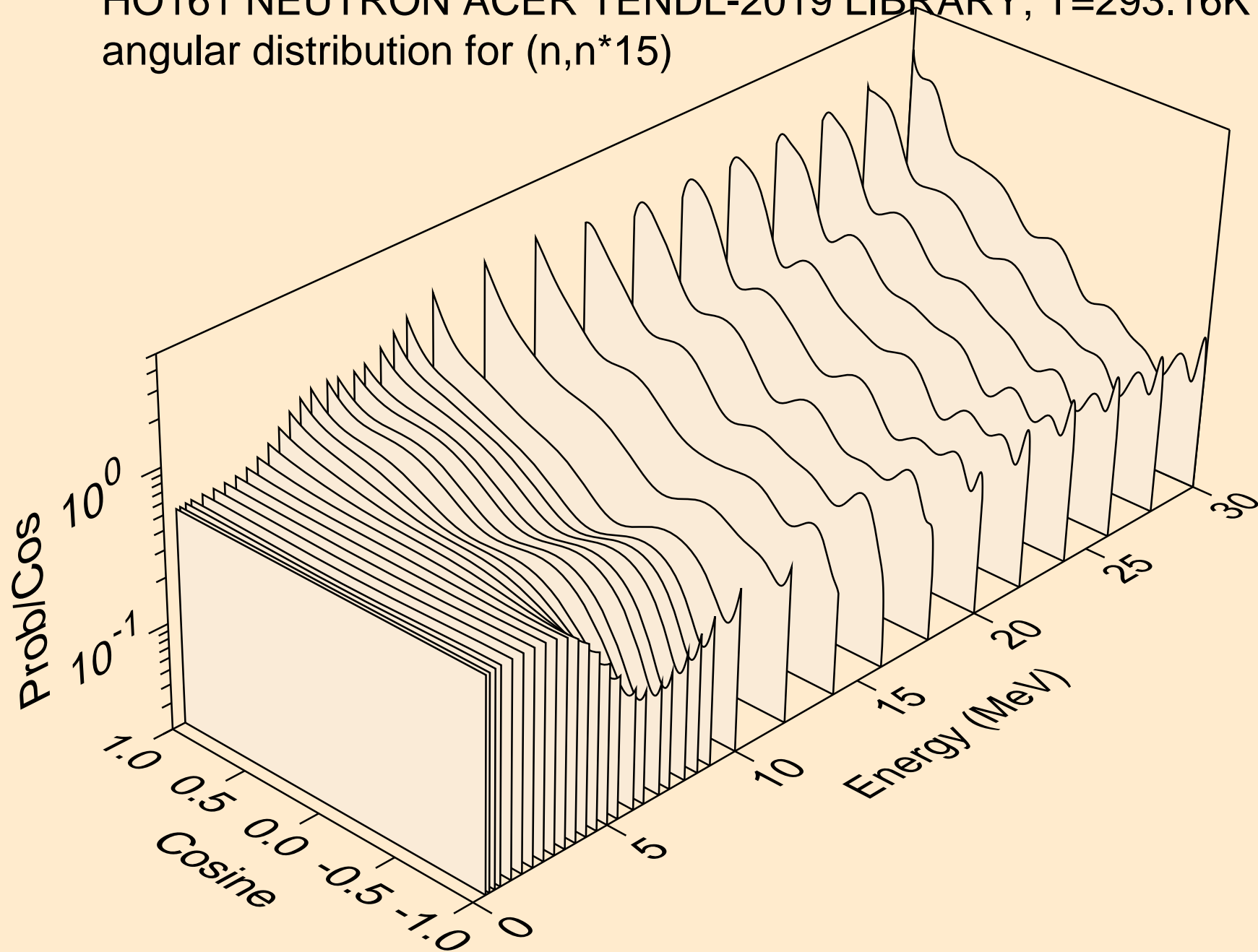
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angular distribution for (n,n\*13)



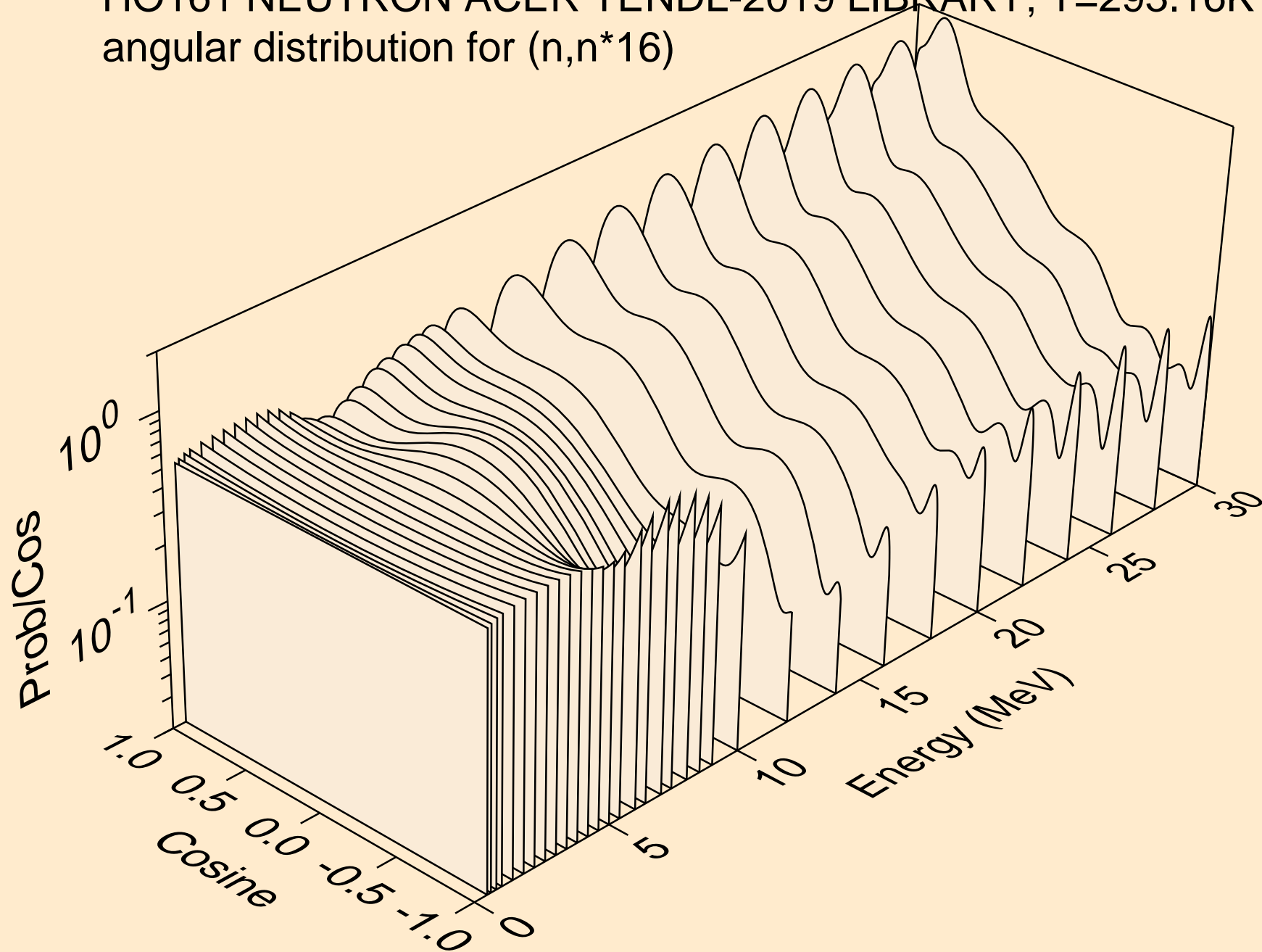
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*14)



HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*15)

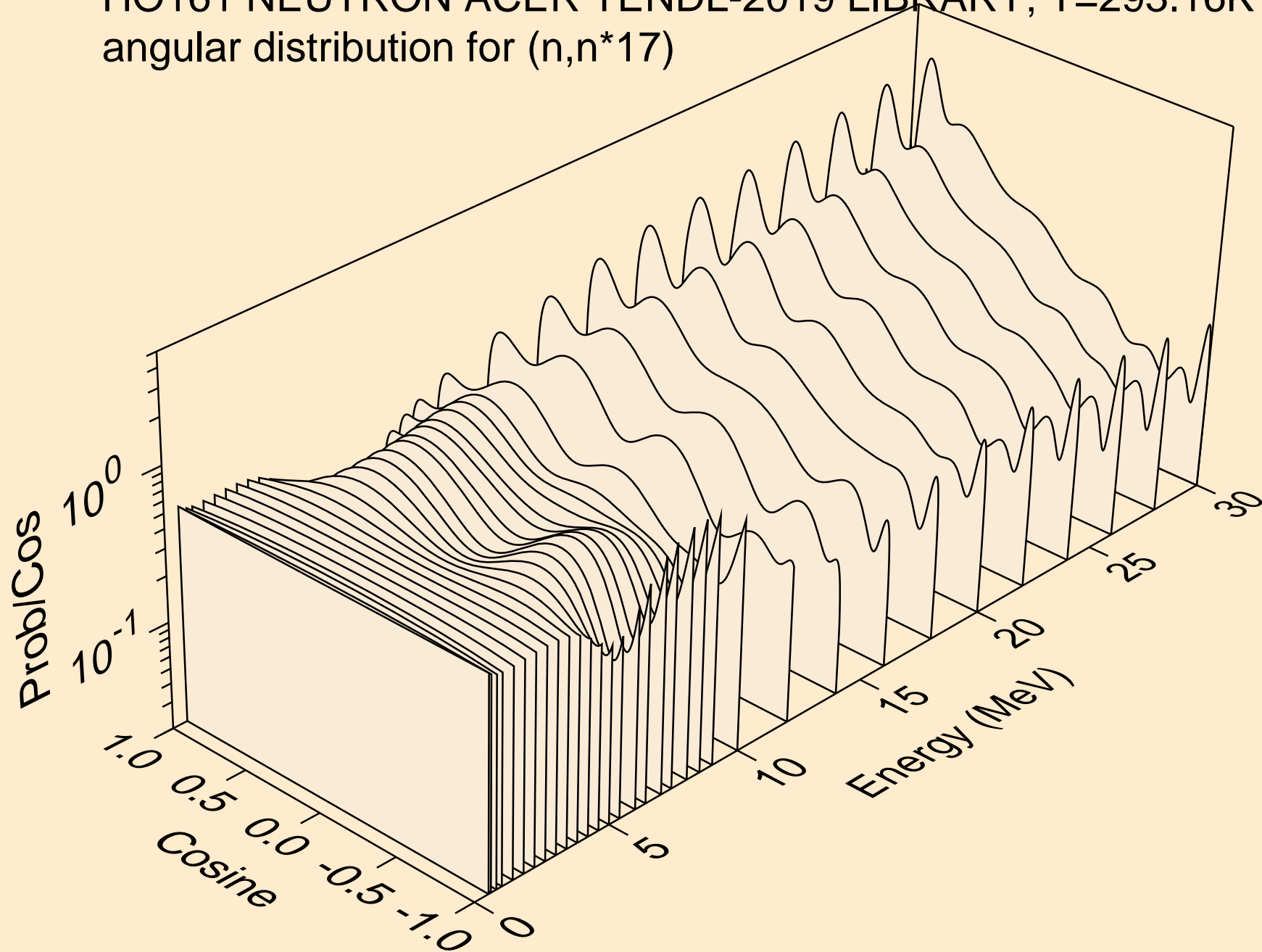


HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*16)



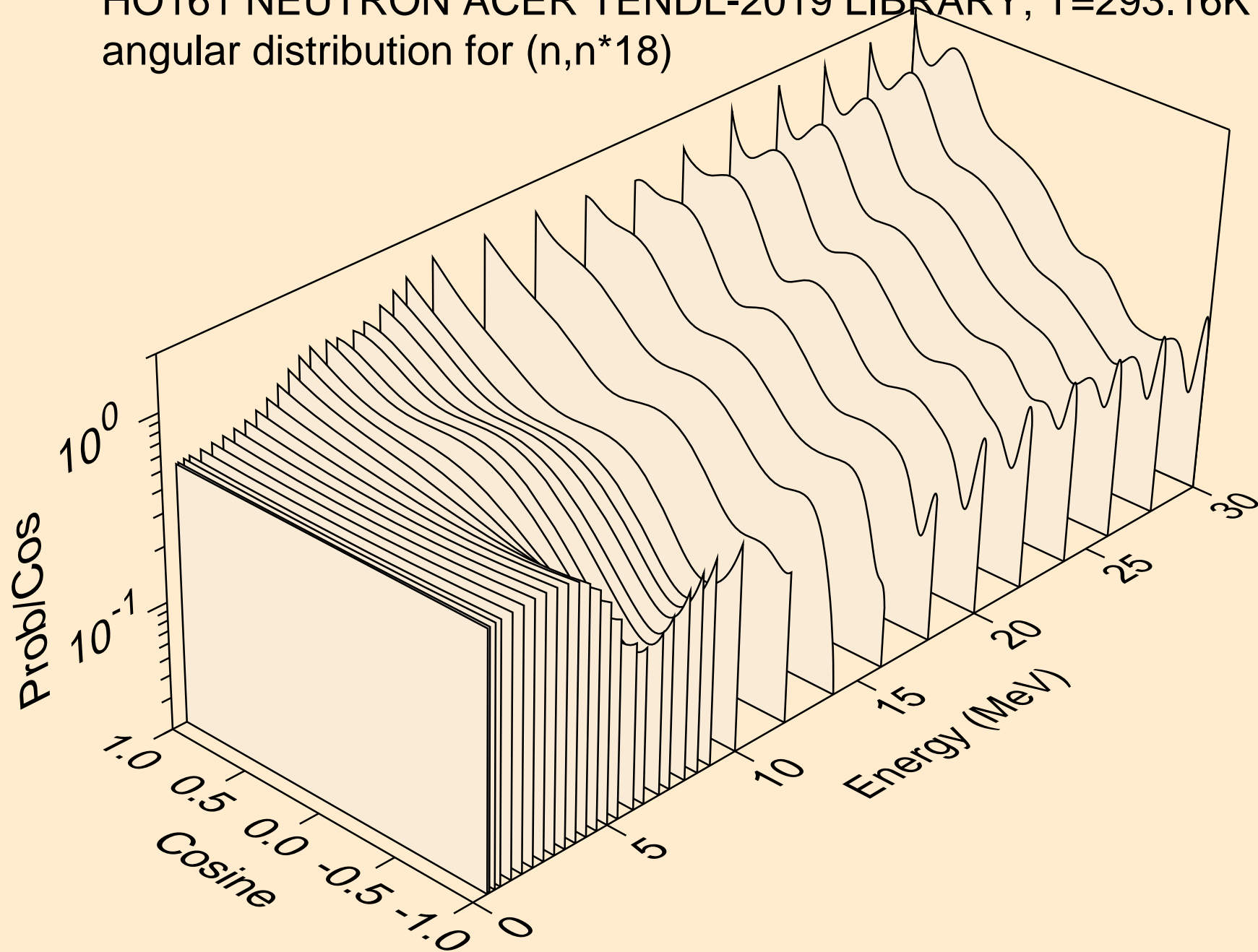


HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*17)

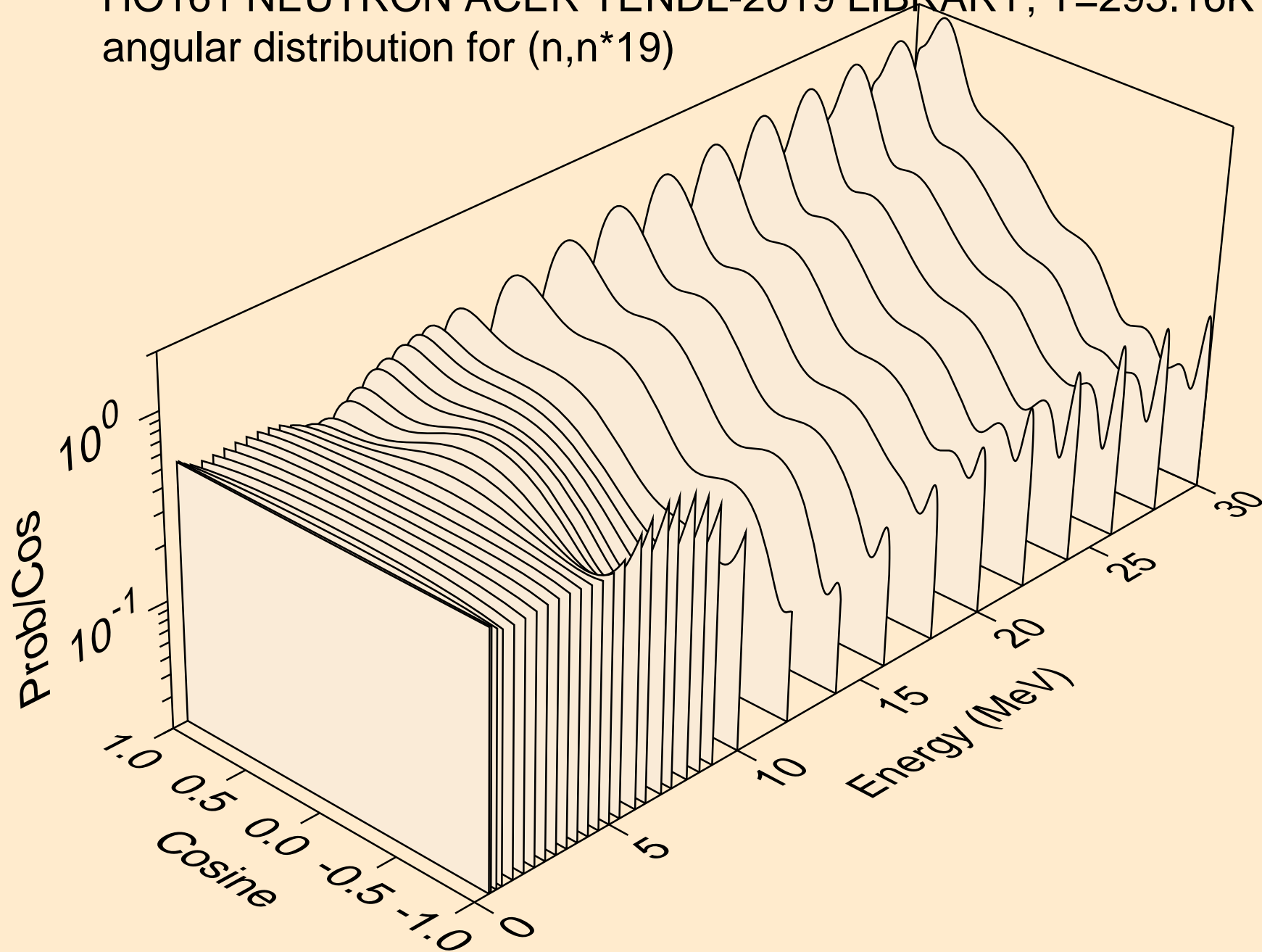




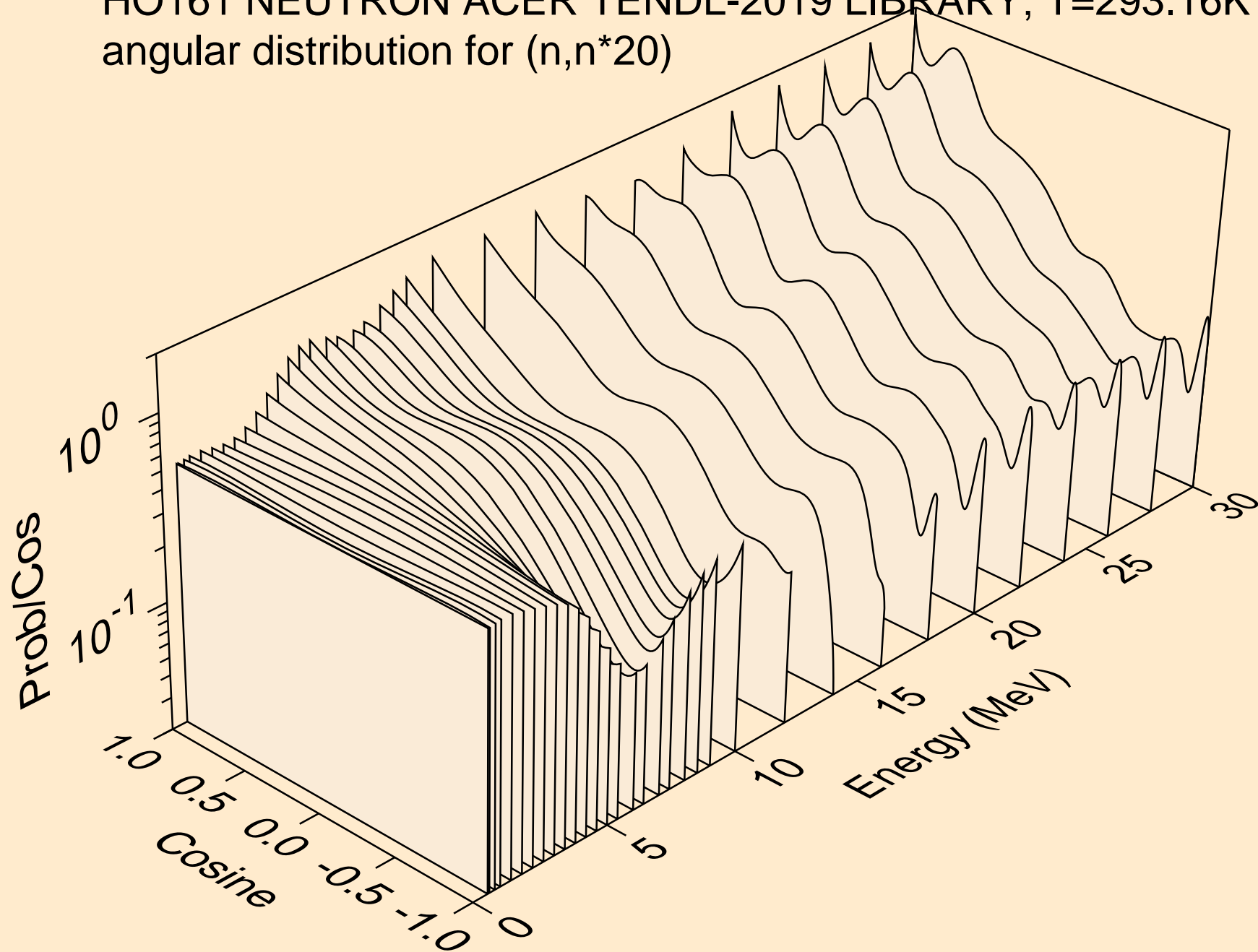
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angular distribution for (n,n\*18)



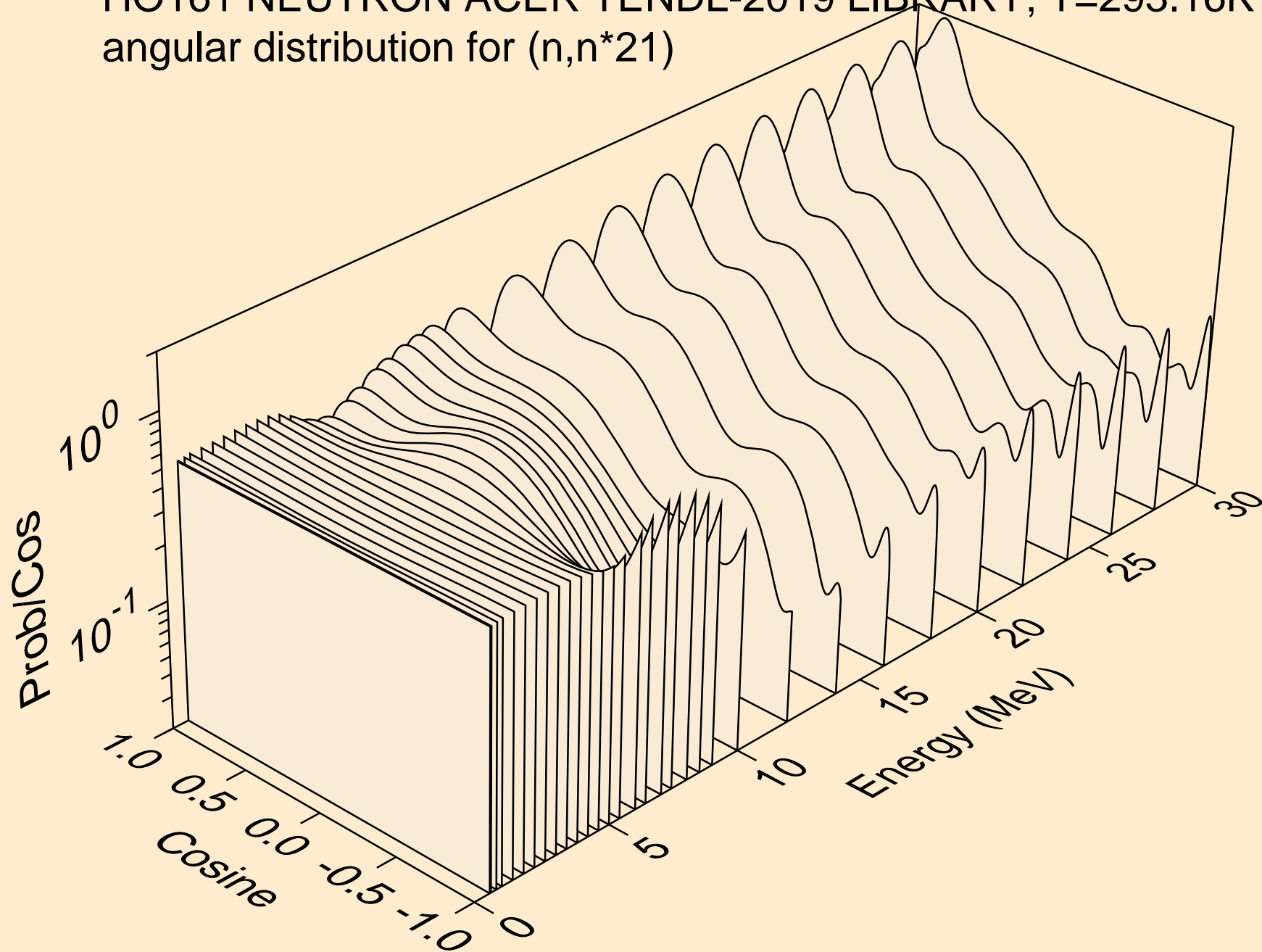
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angular distribution for (n,n\*19)



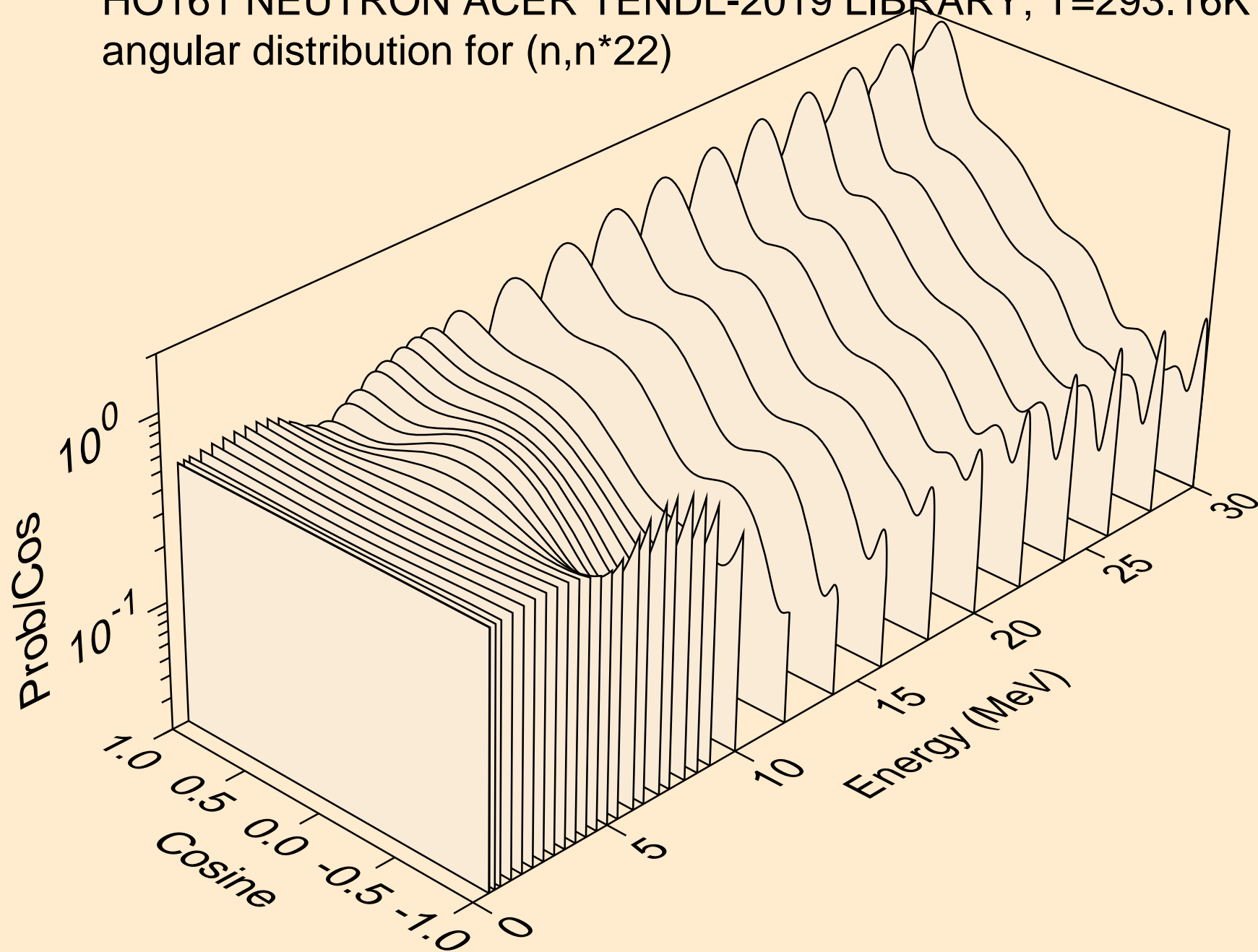
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angular distribution for (n,n\*20)



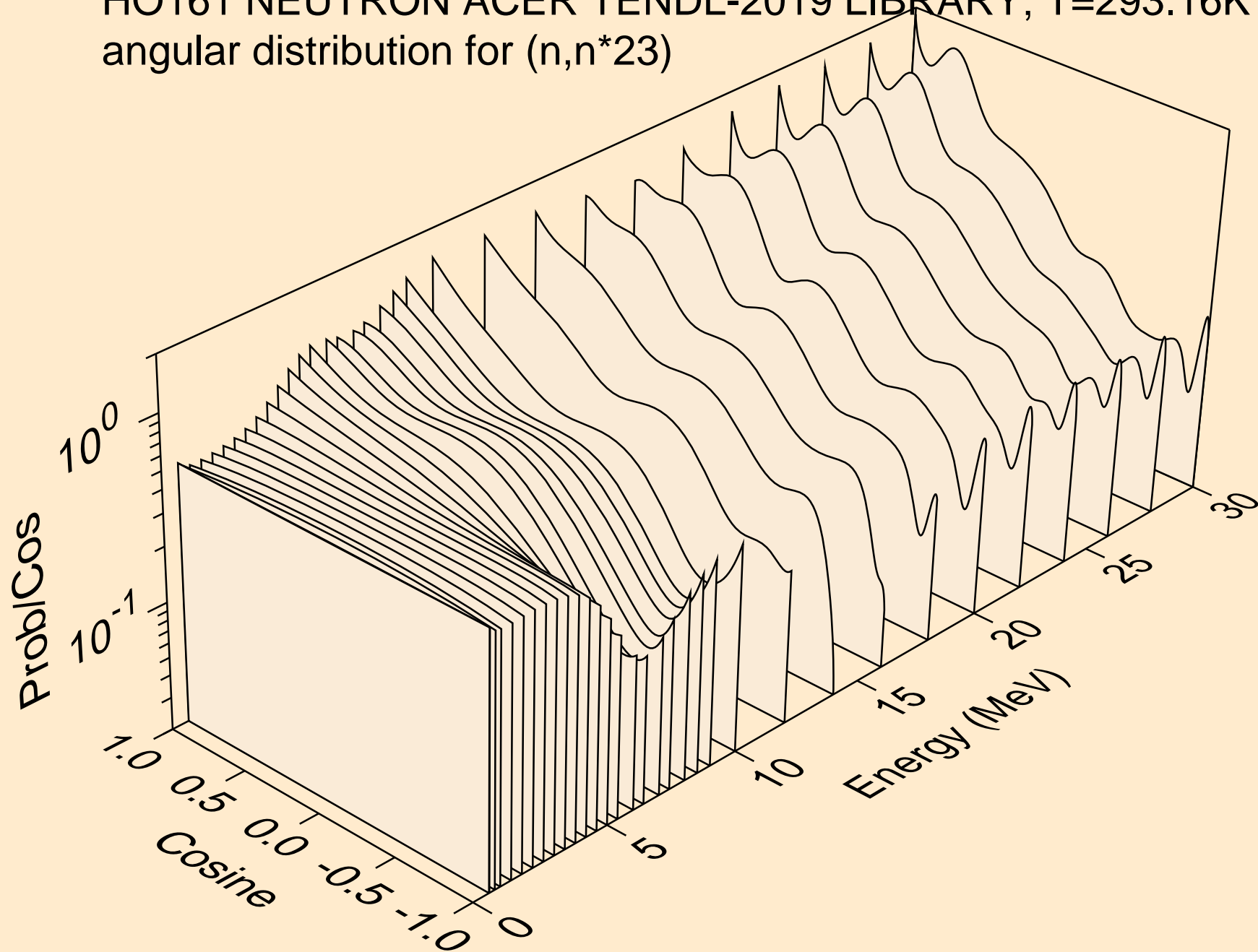
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angular distribution for (n,n\*21)



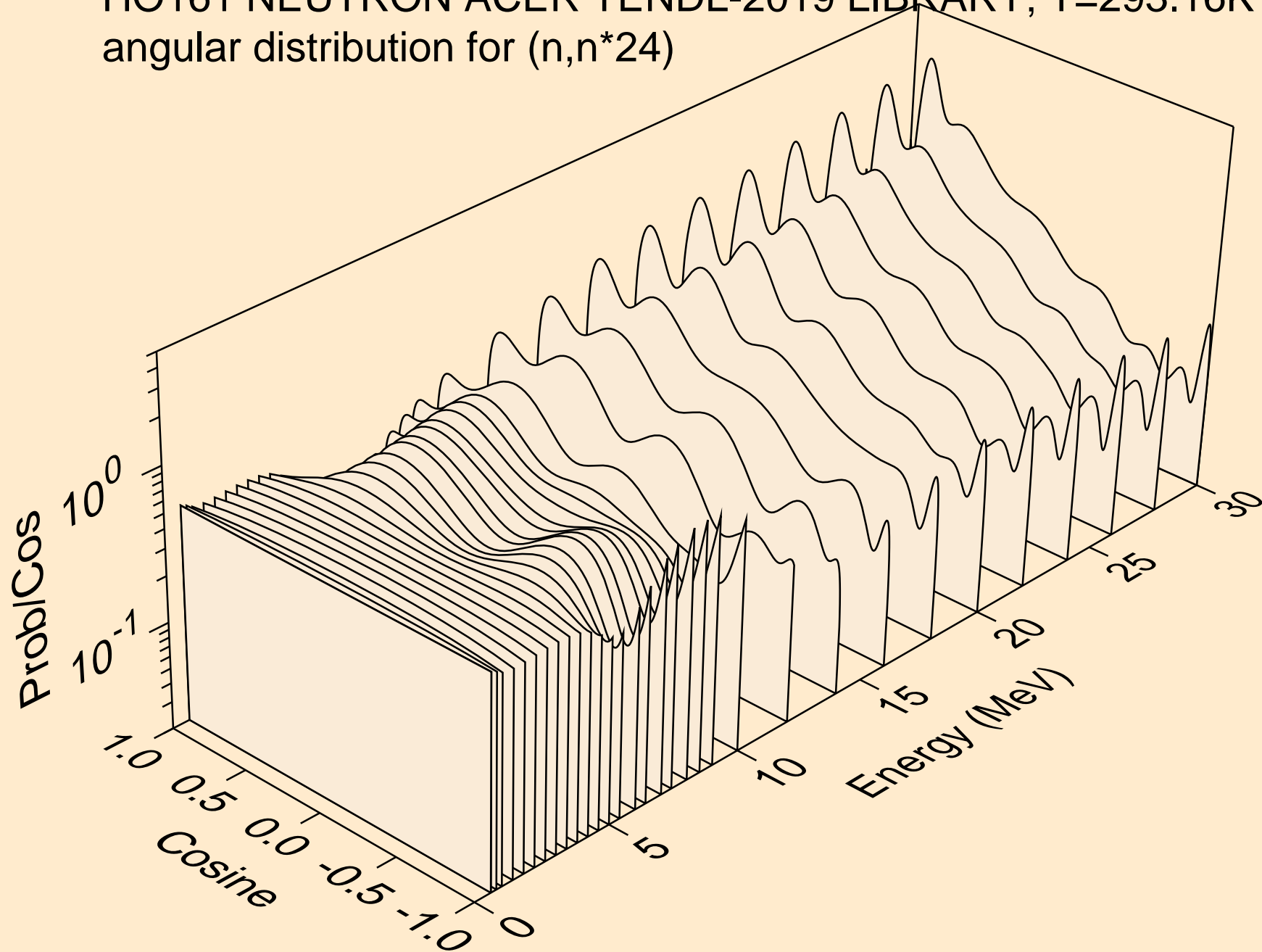
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*22)



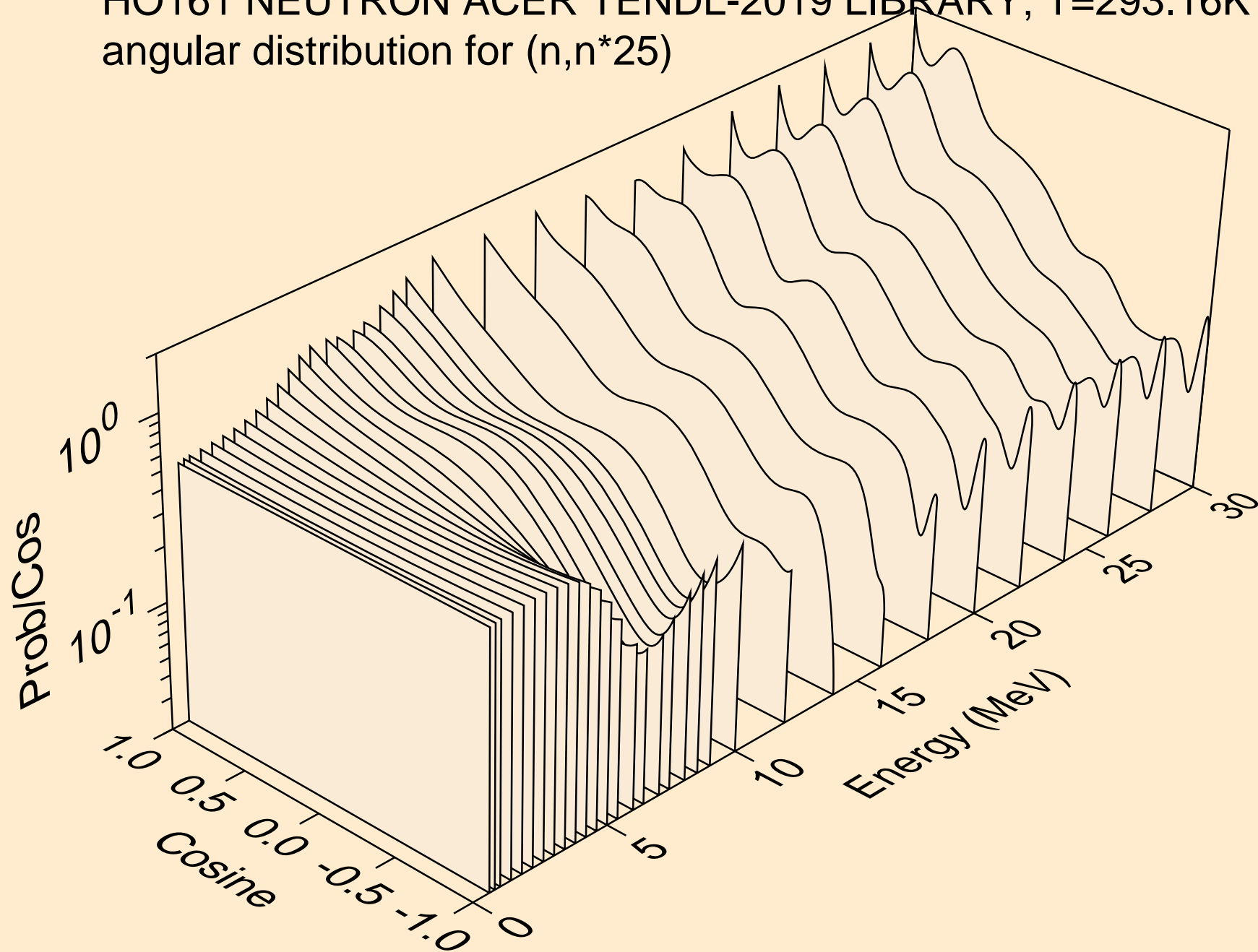
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*23)



HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*24)

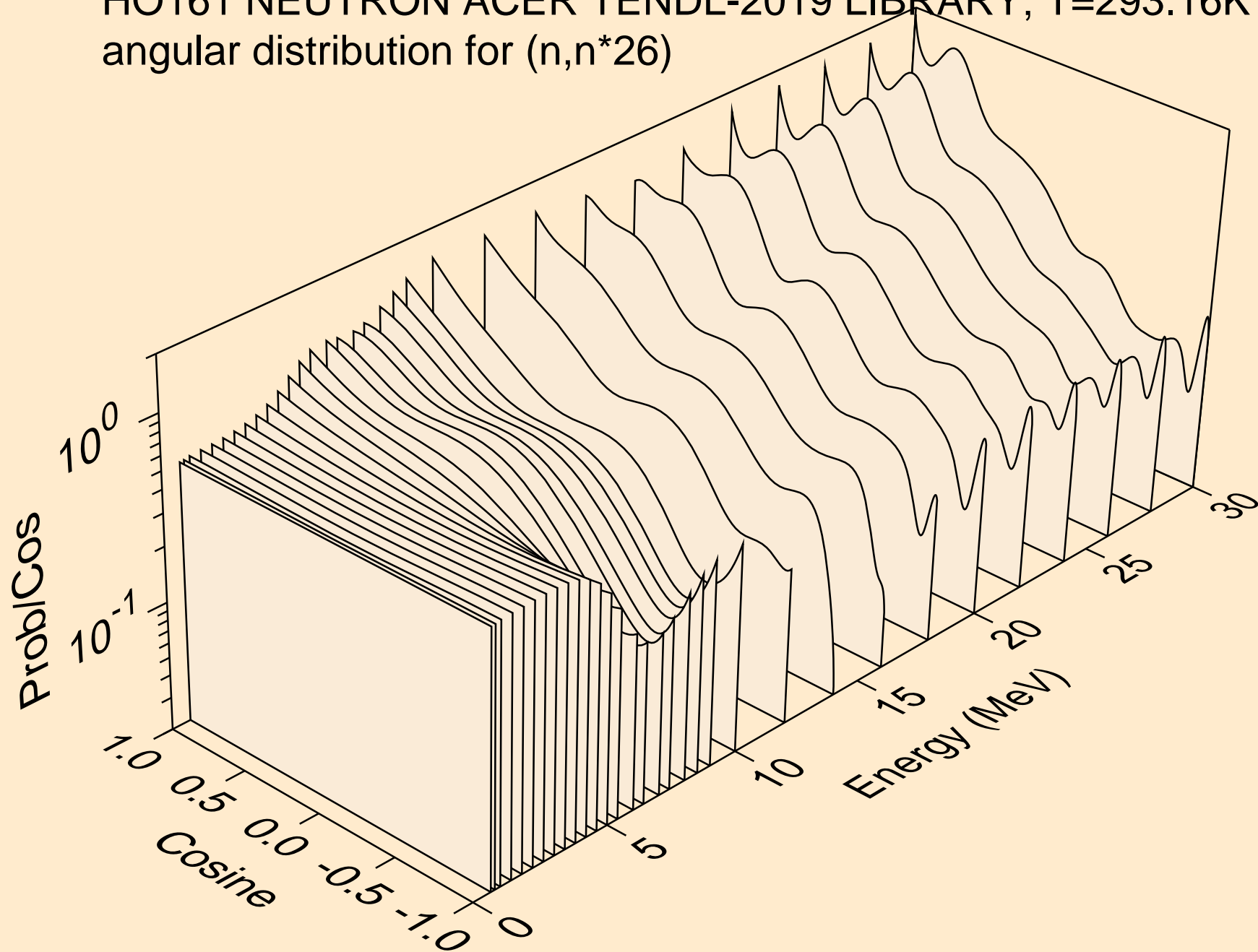


HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*25)

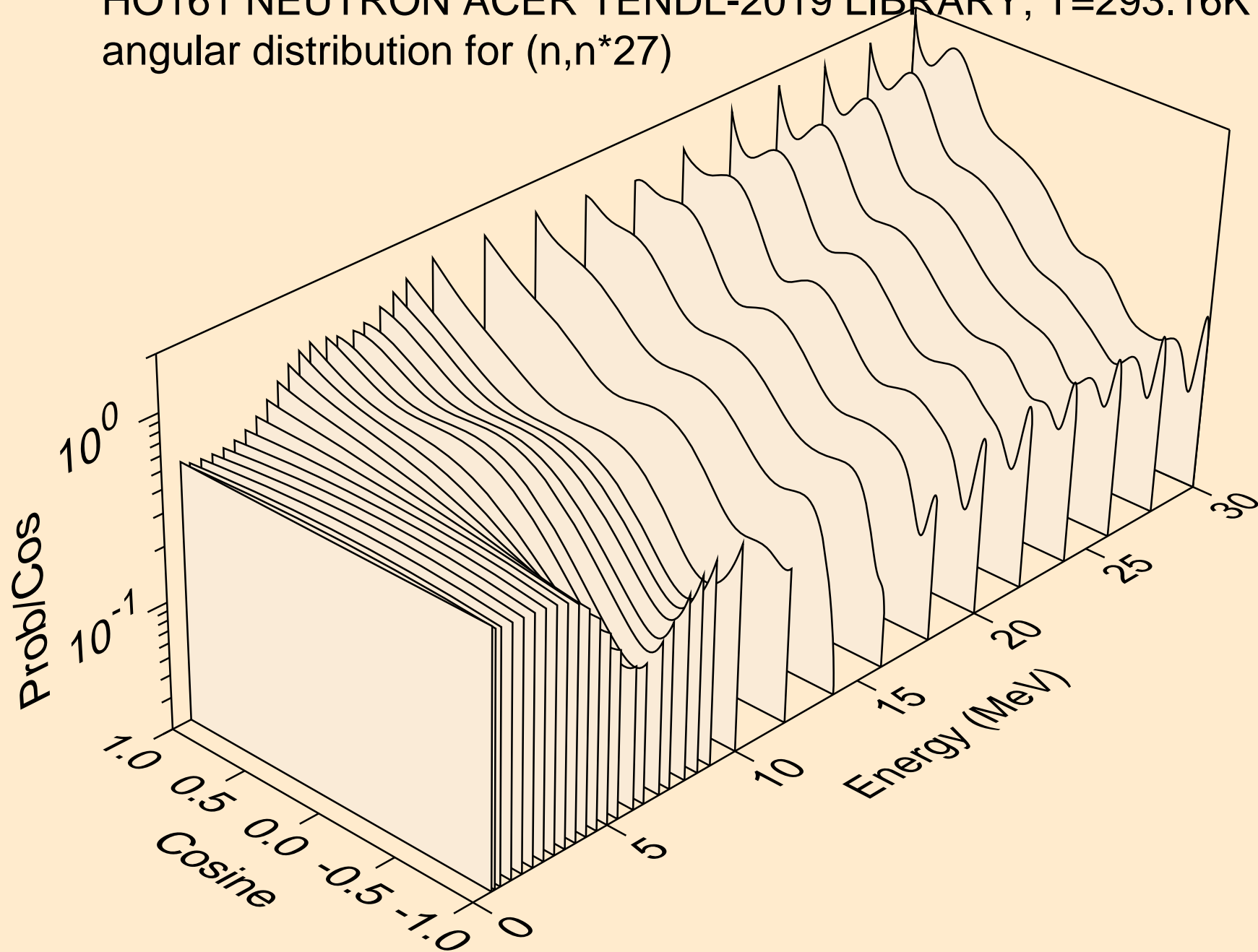




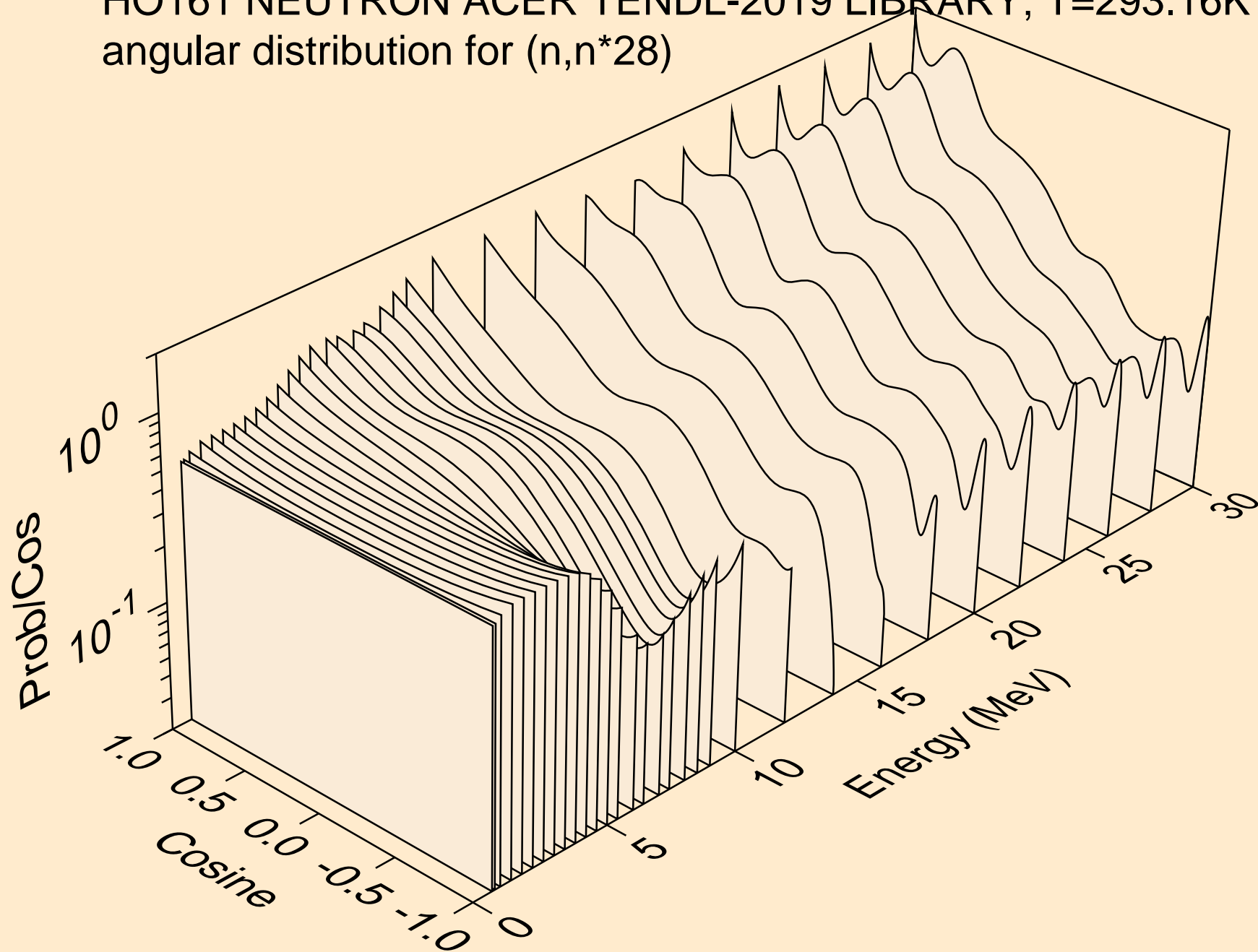
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angular distribution for (n,n\*26)



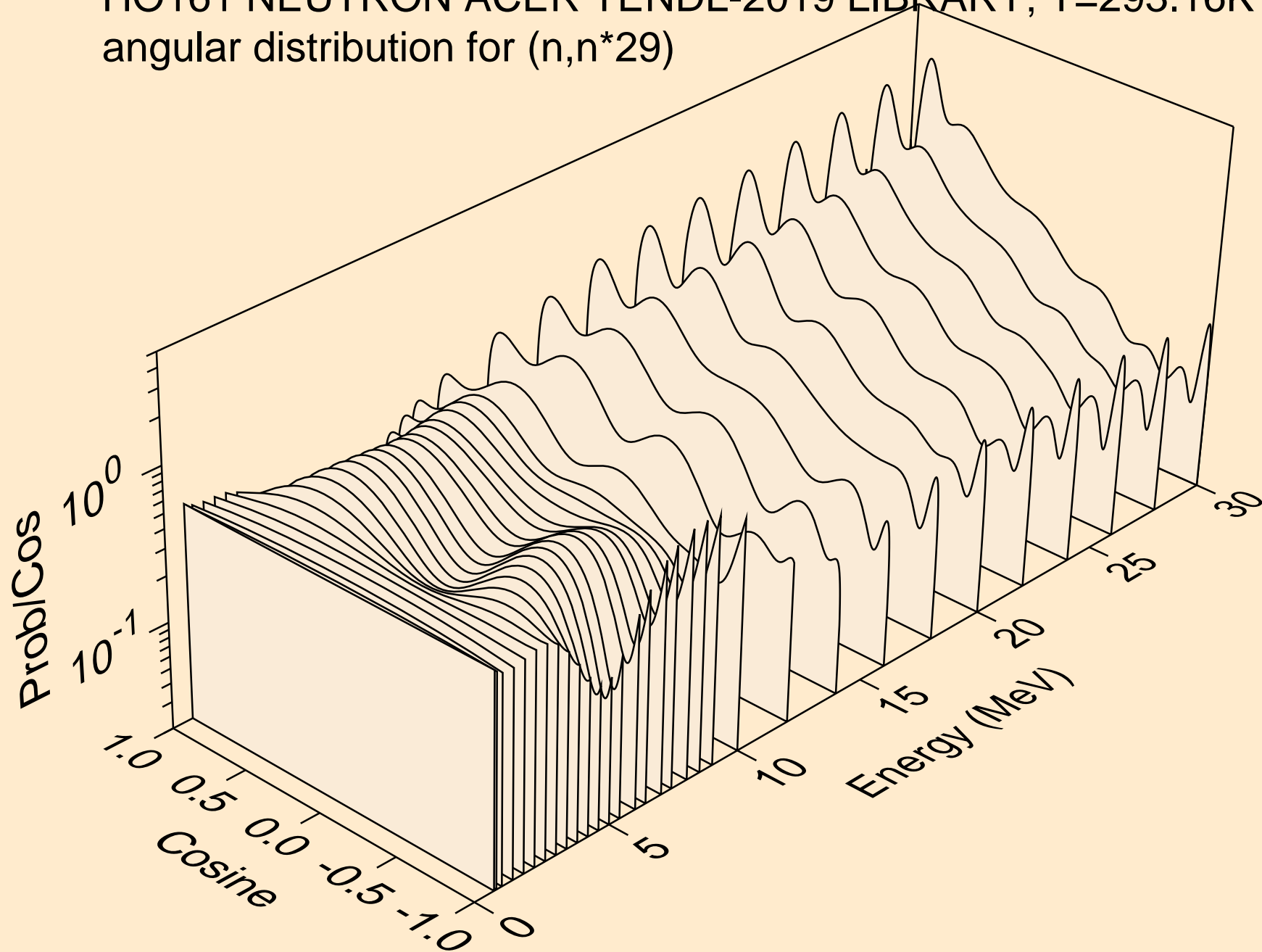
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angular distribution for (n,n\*27)



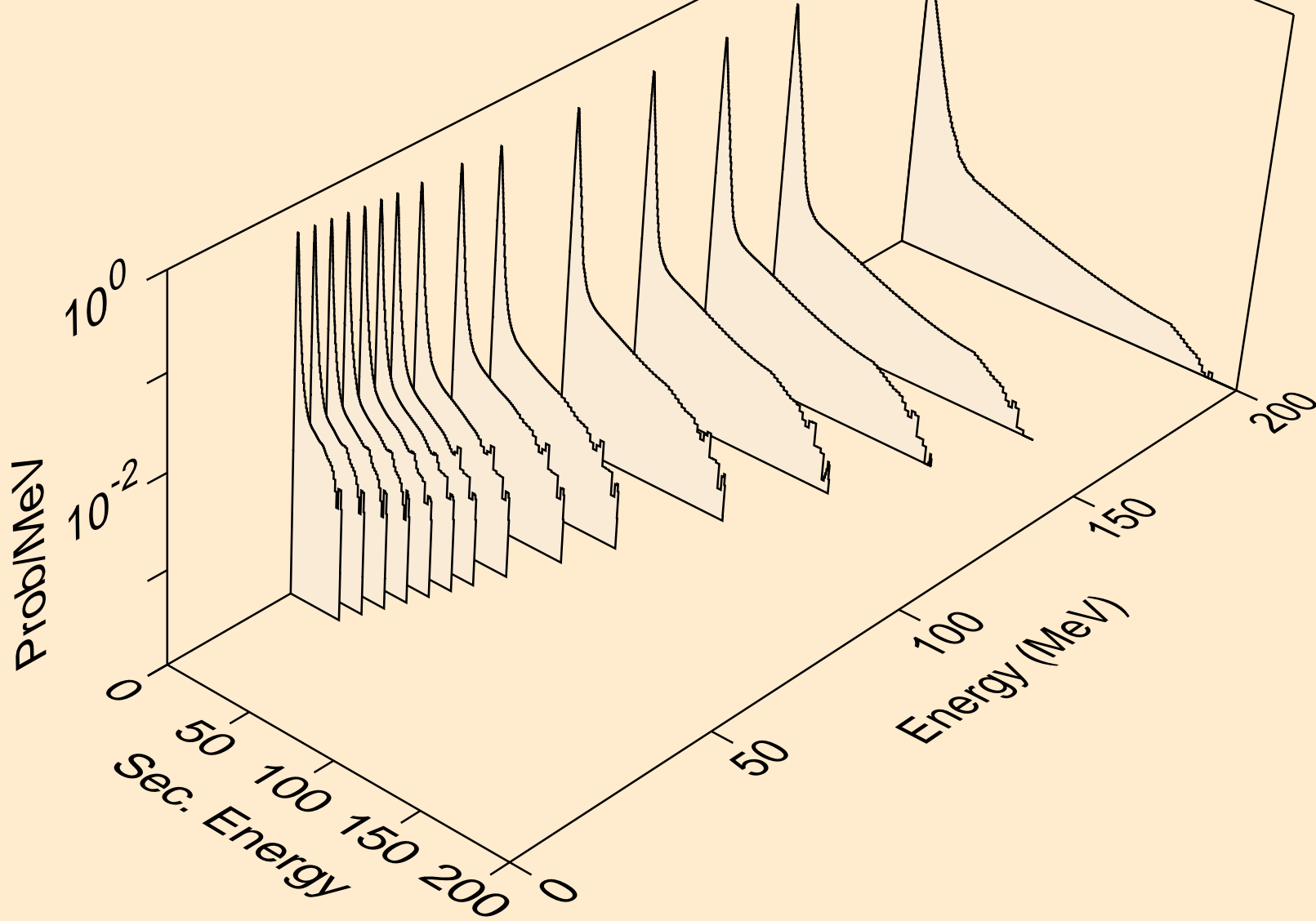
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angular distribution for (n,n\*28)



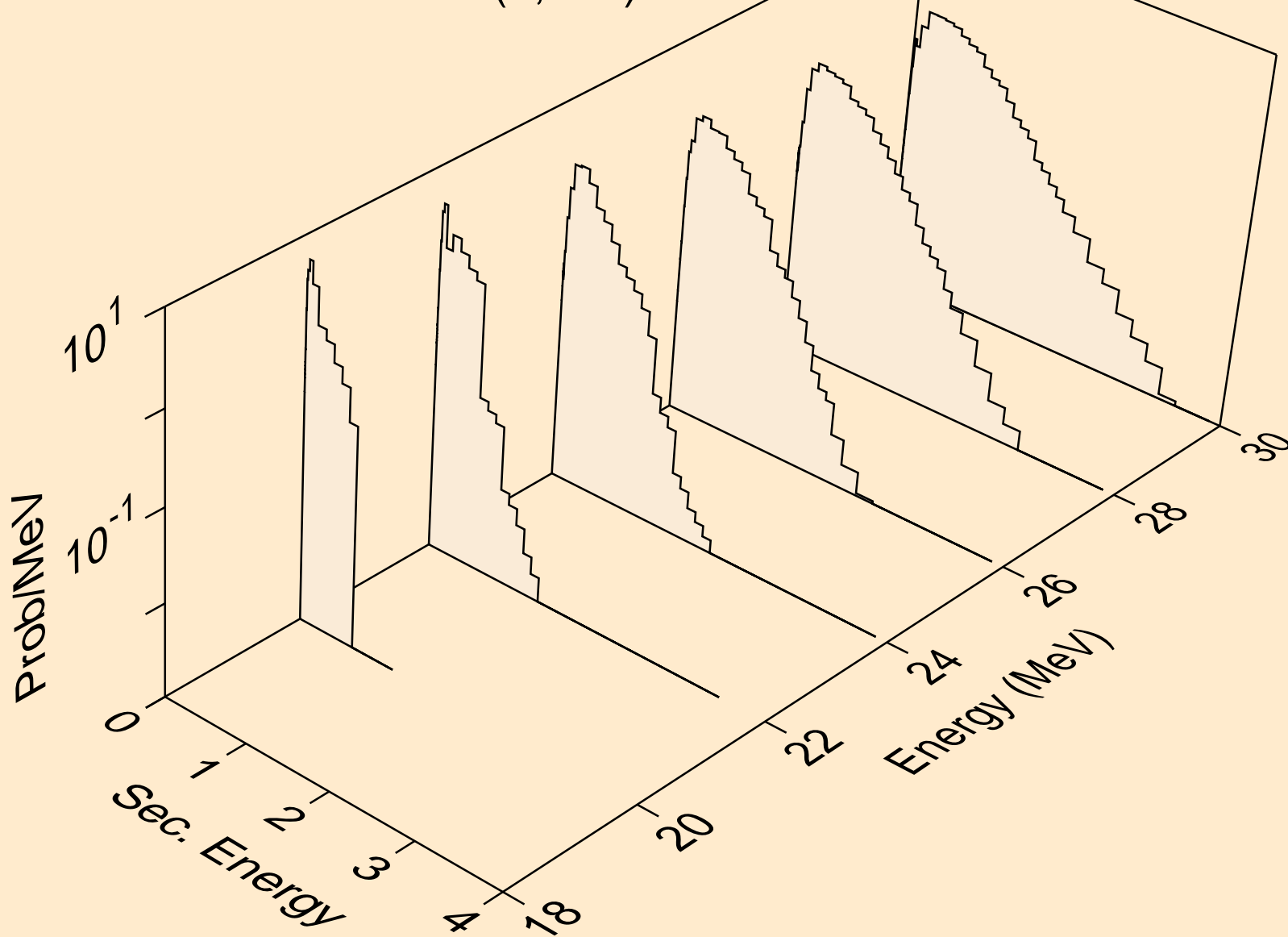
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angular distribution for (n,n\*29)



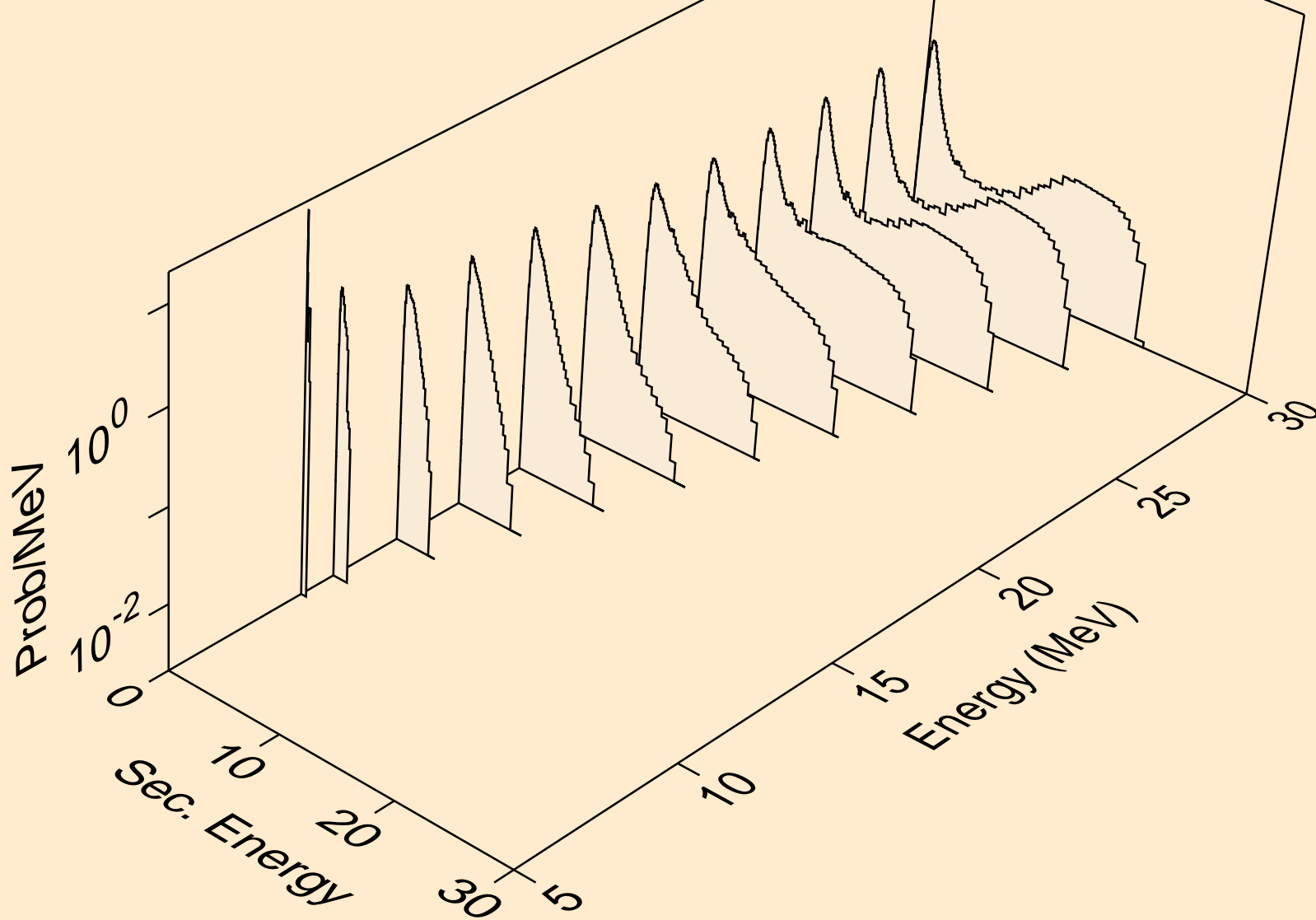
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



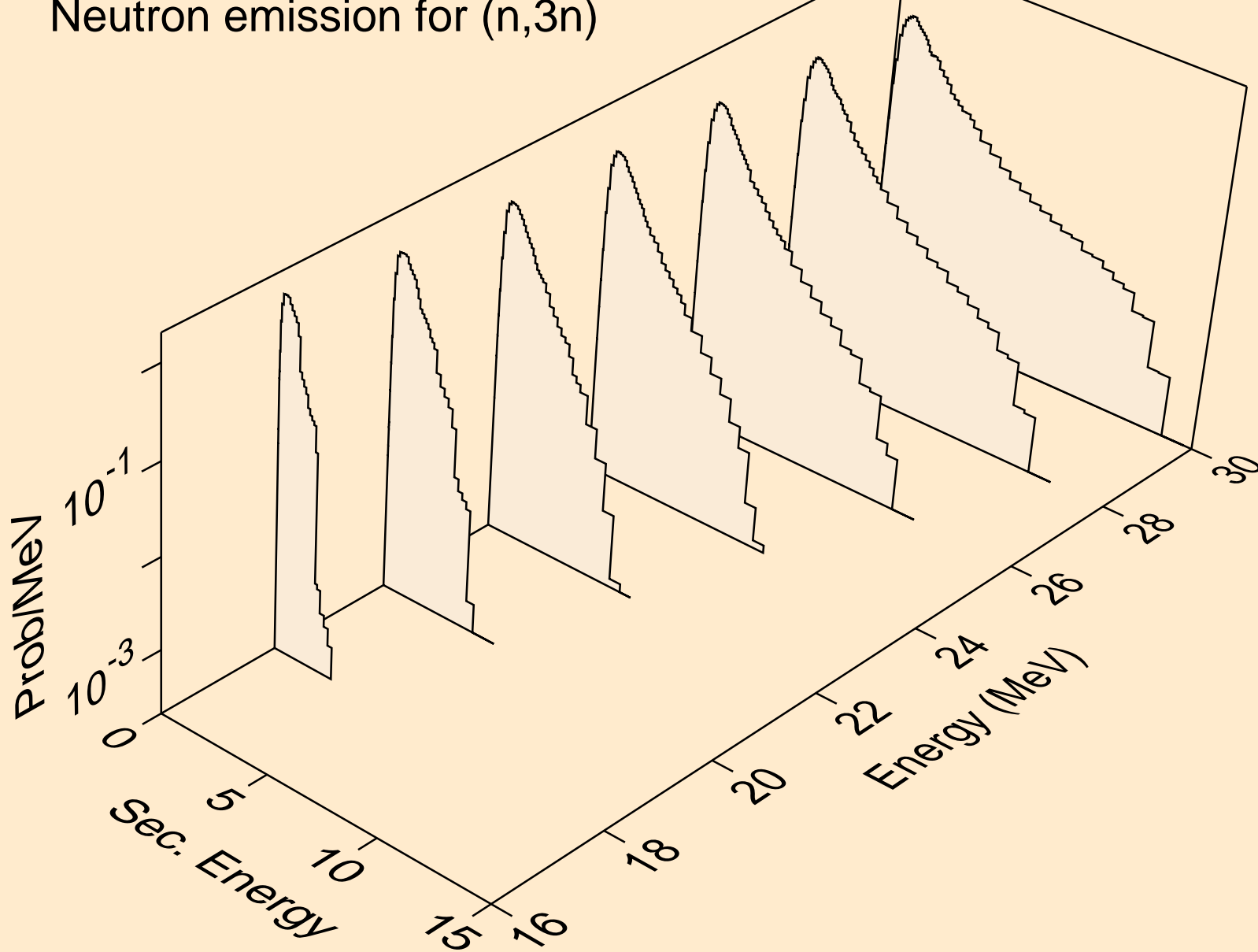
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)

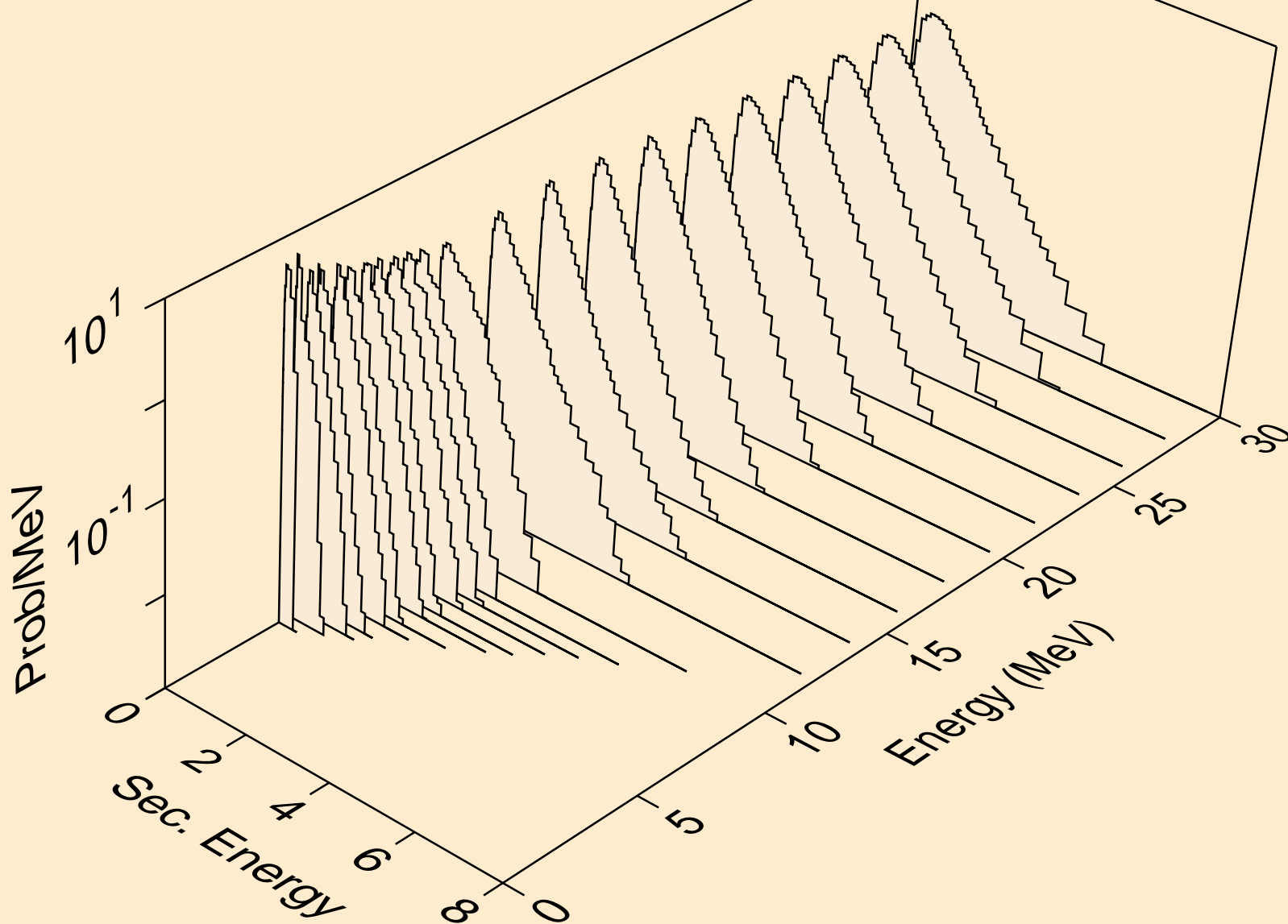


HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)

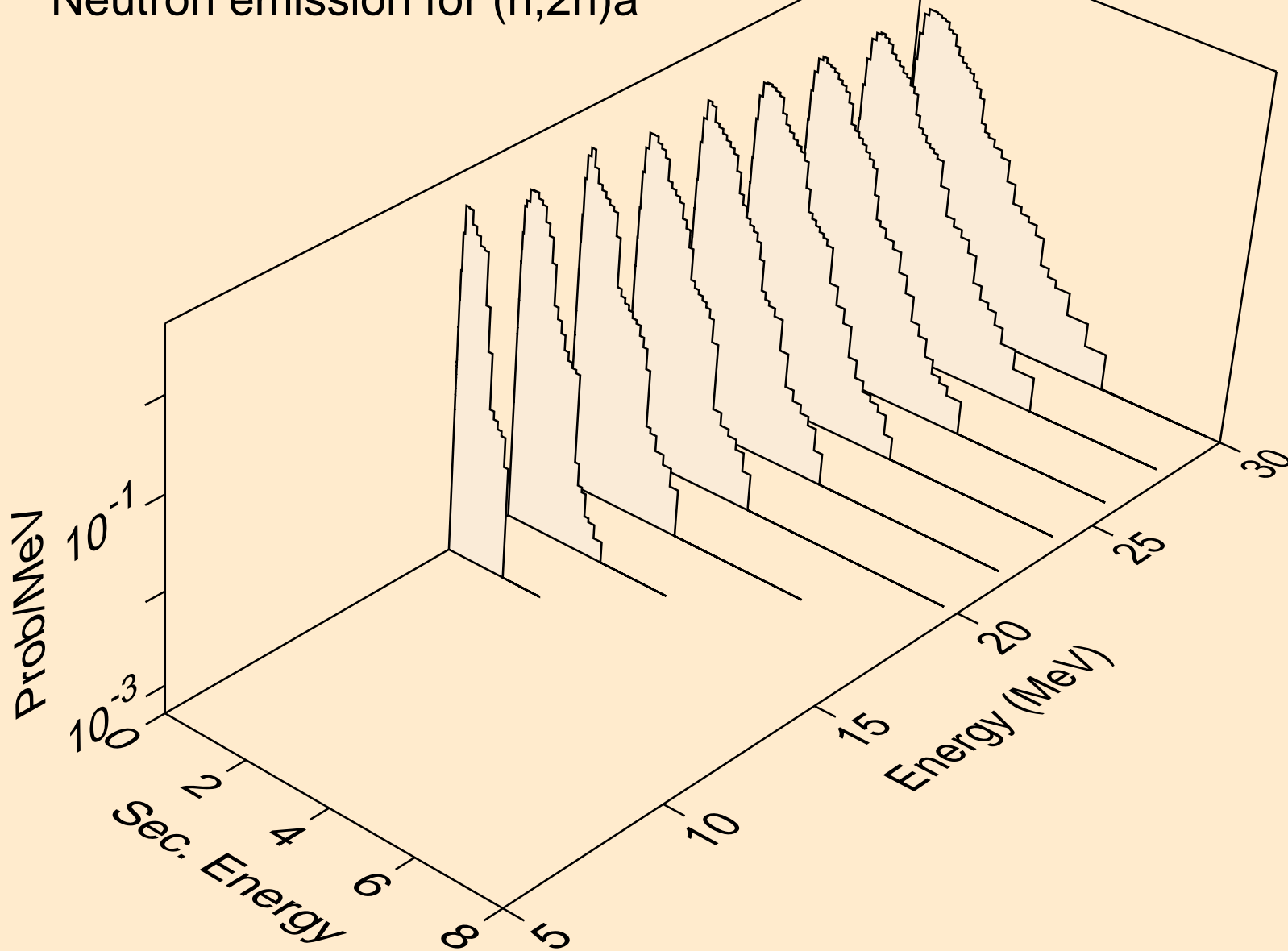




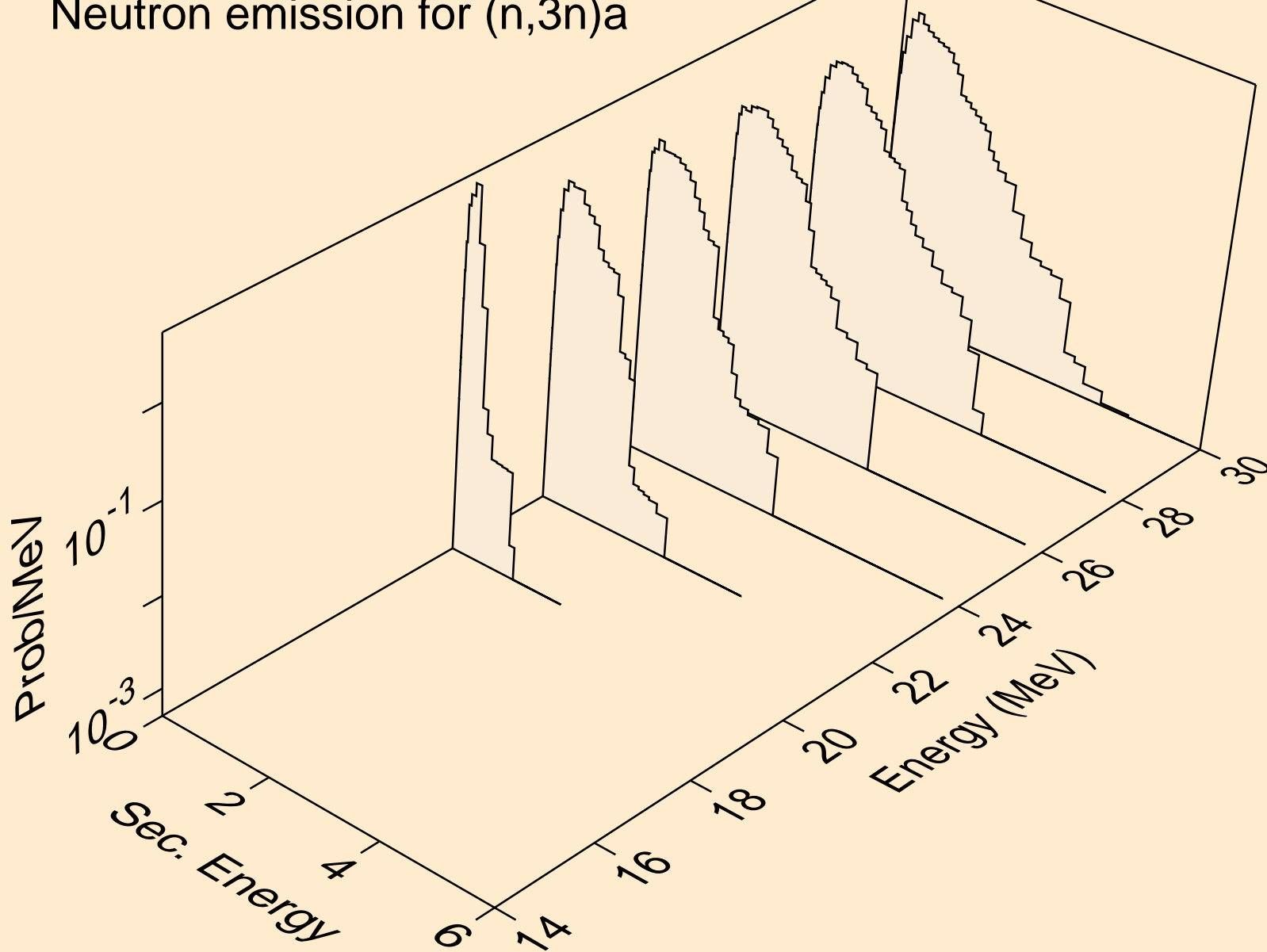
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



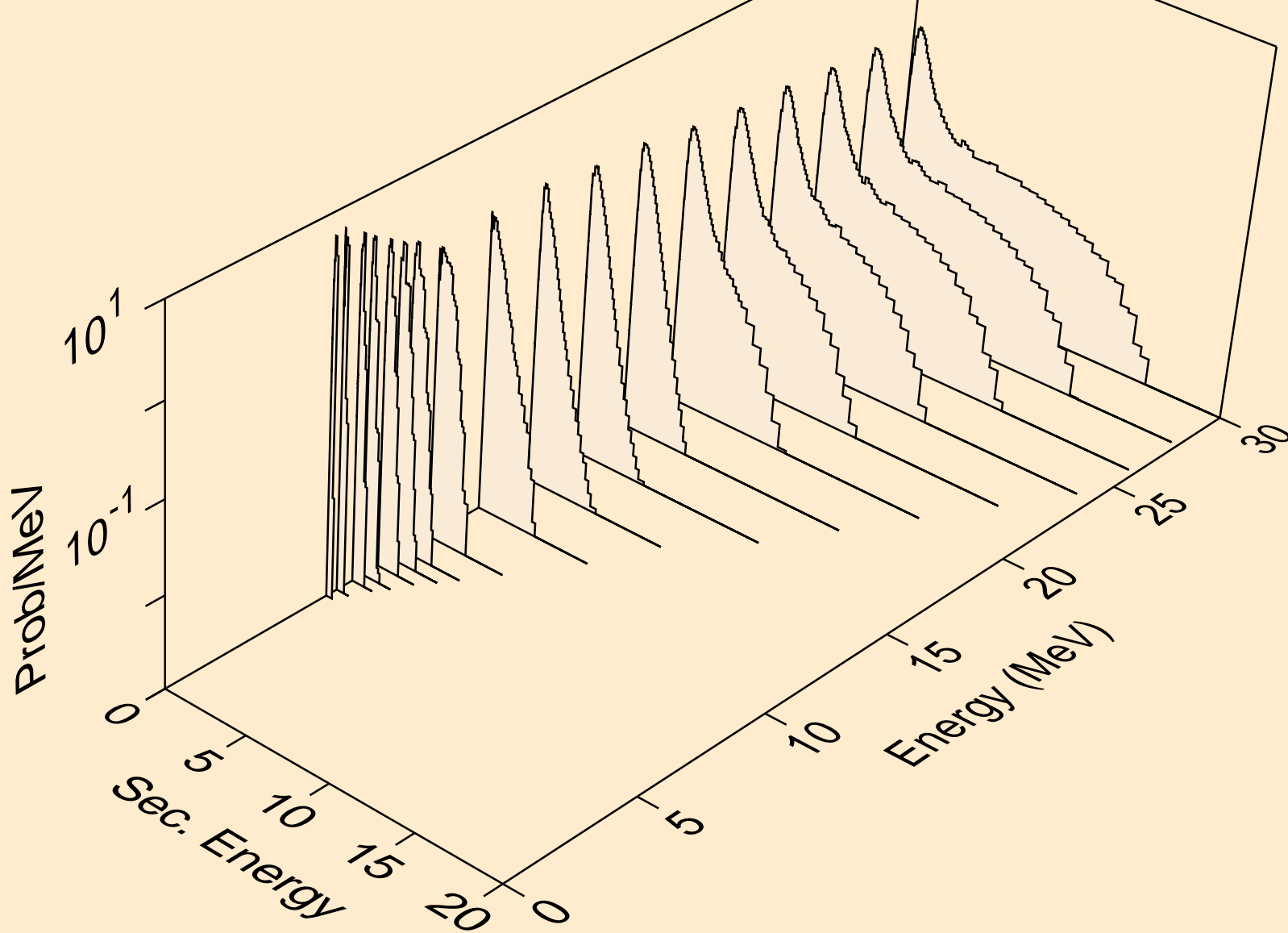
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a



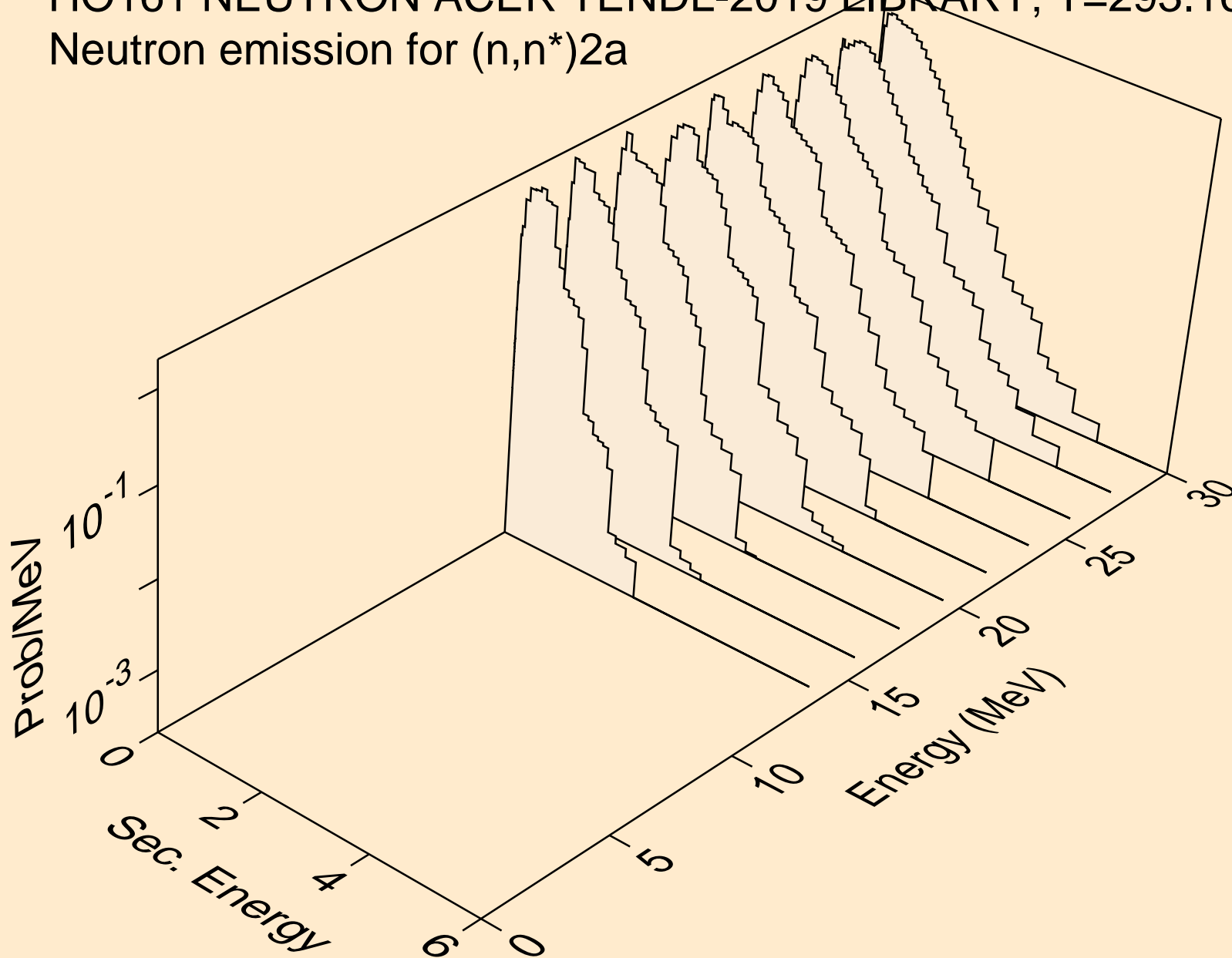
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



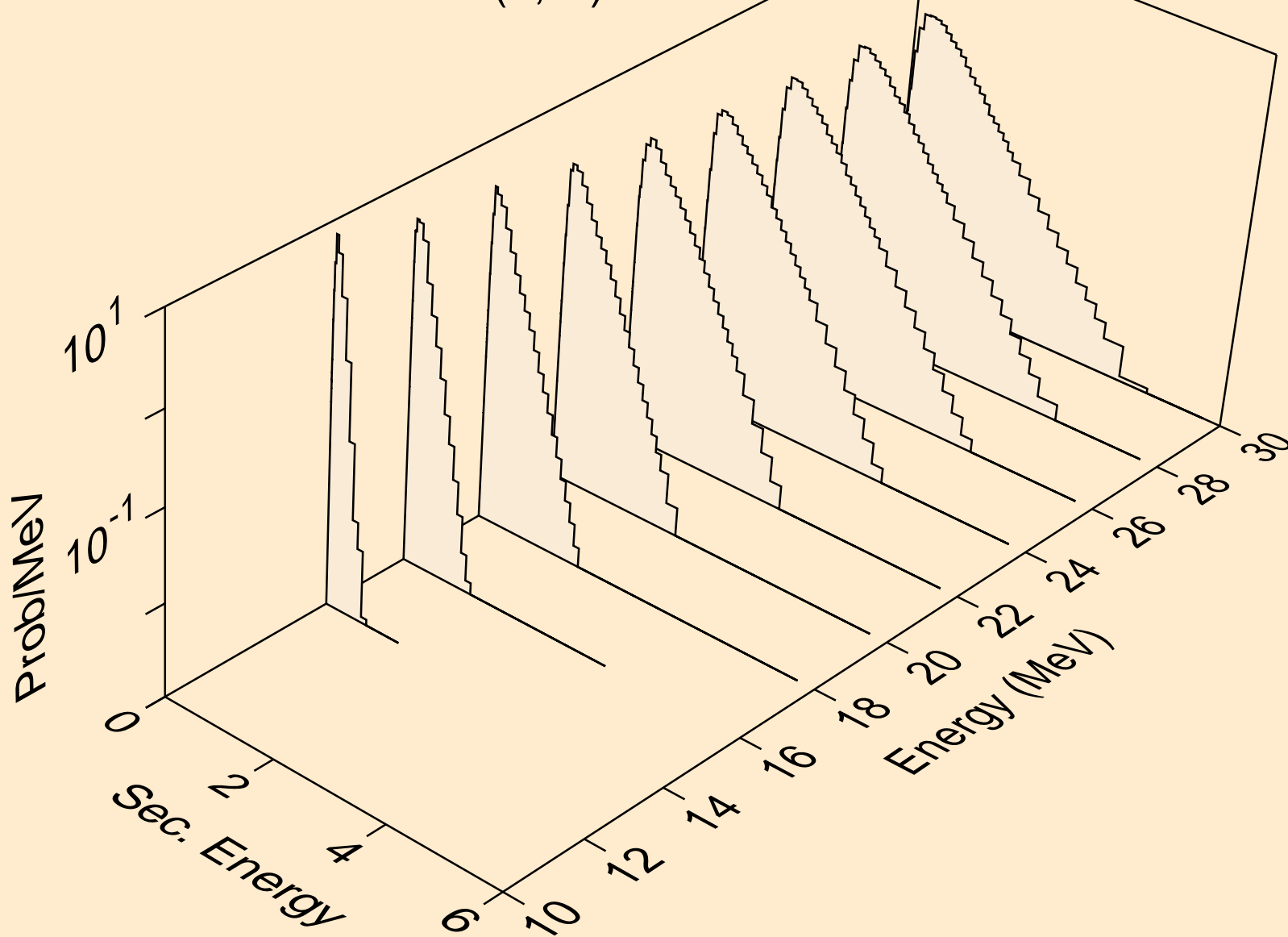
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



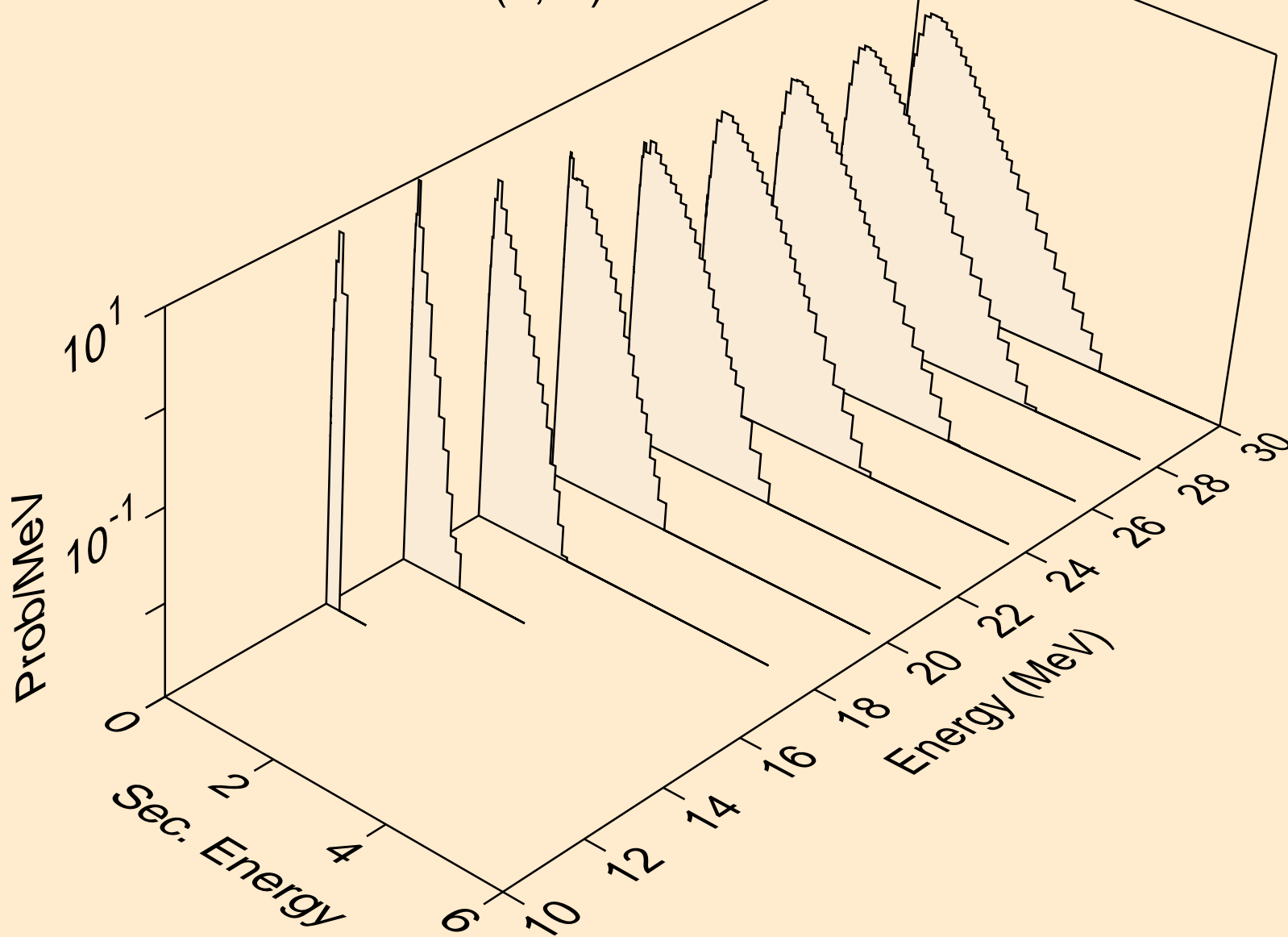
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a



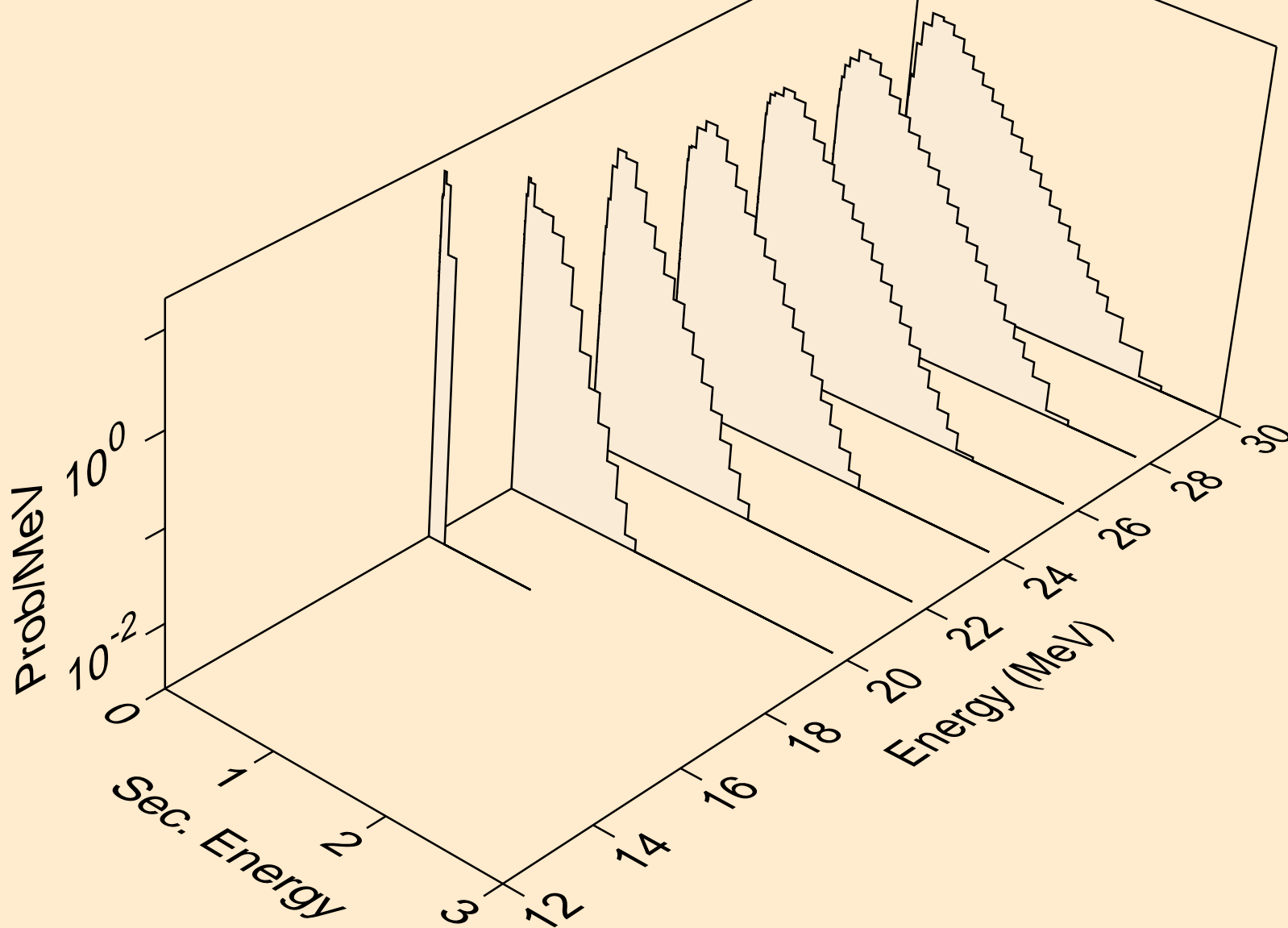
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t

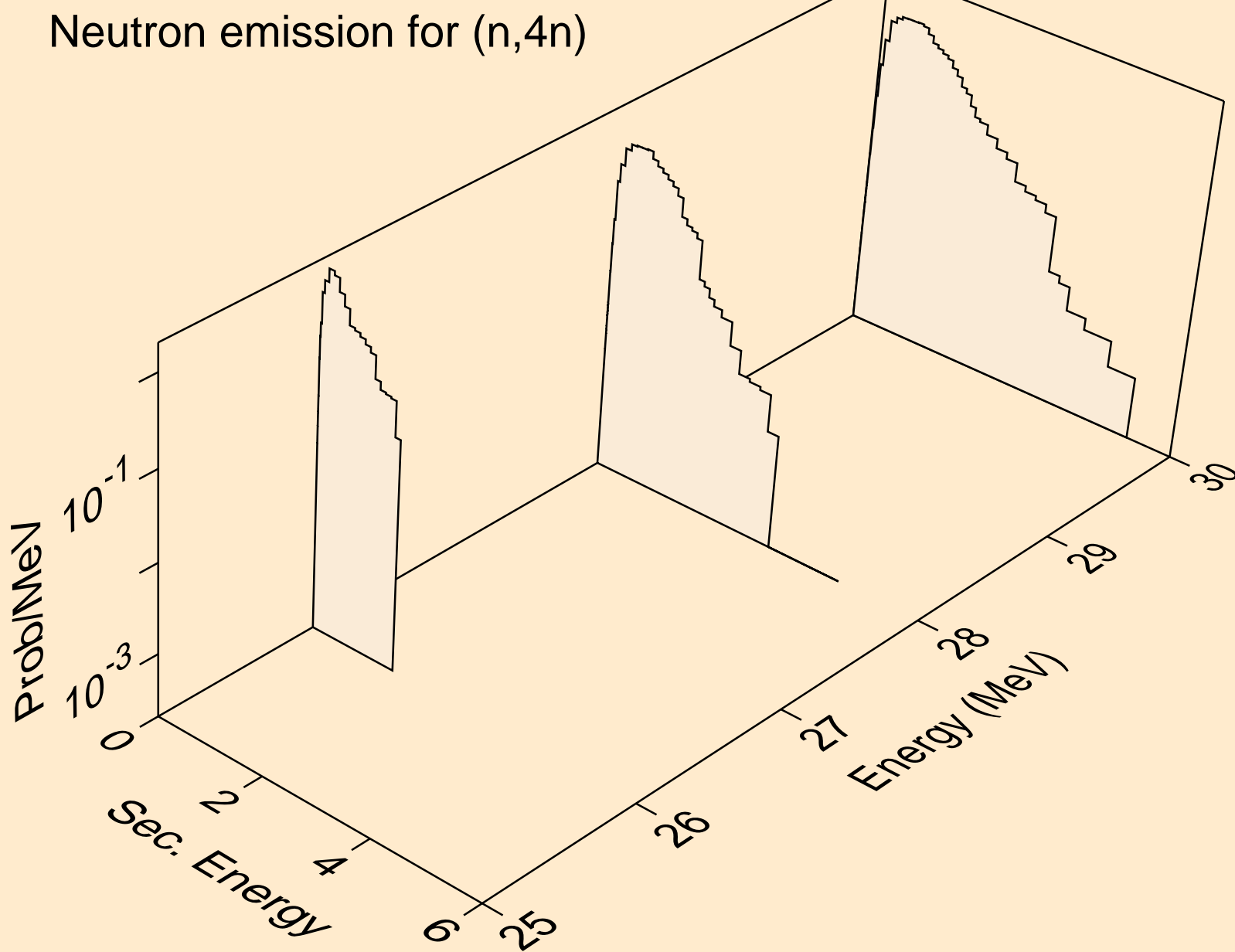


HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3

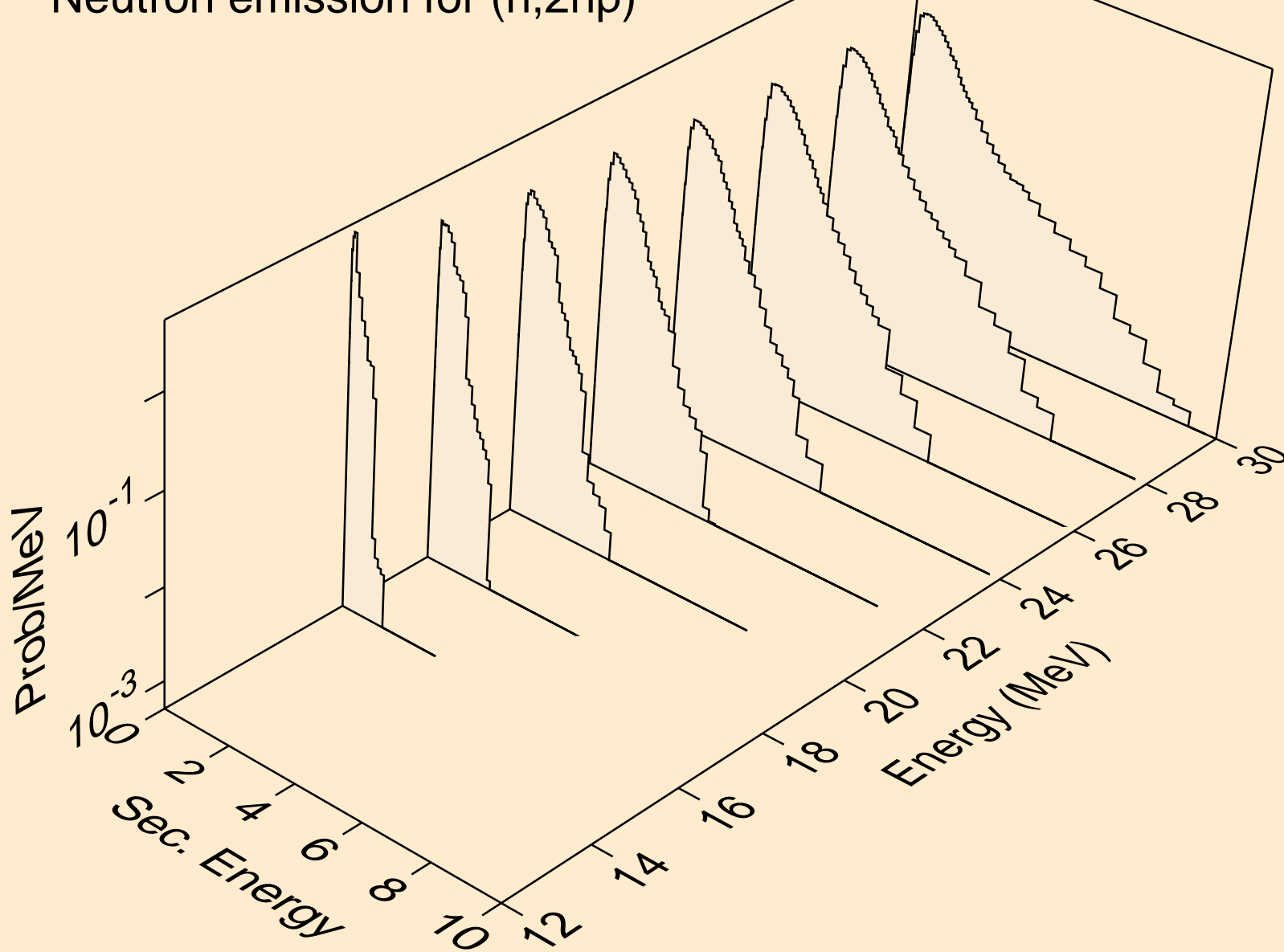




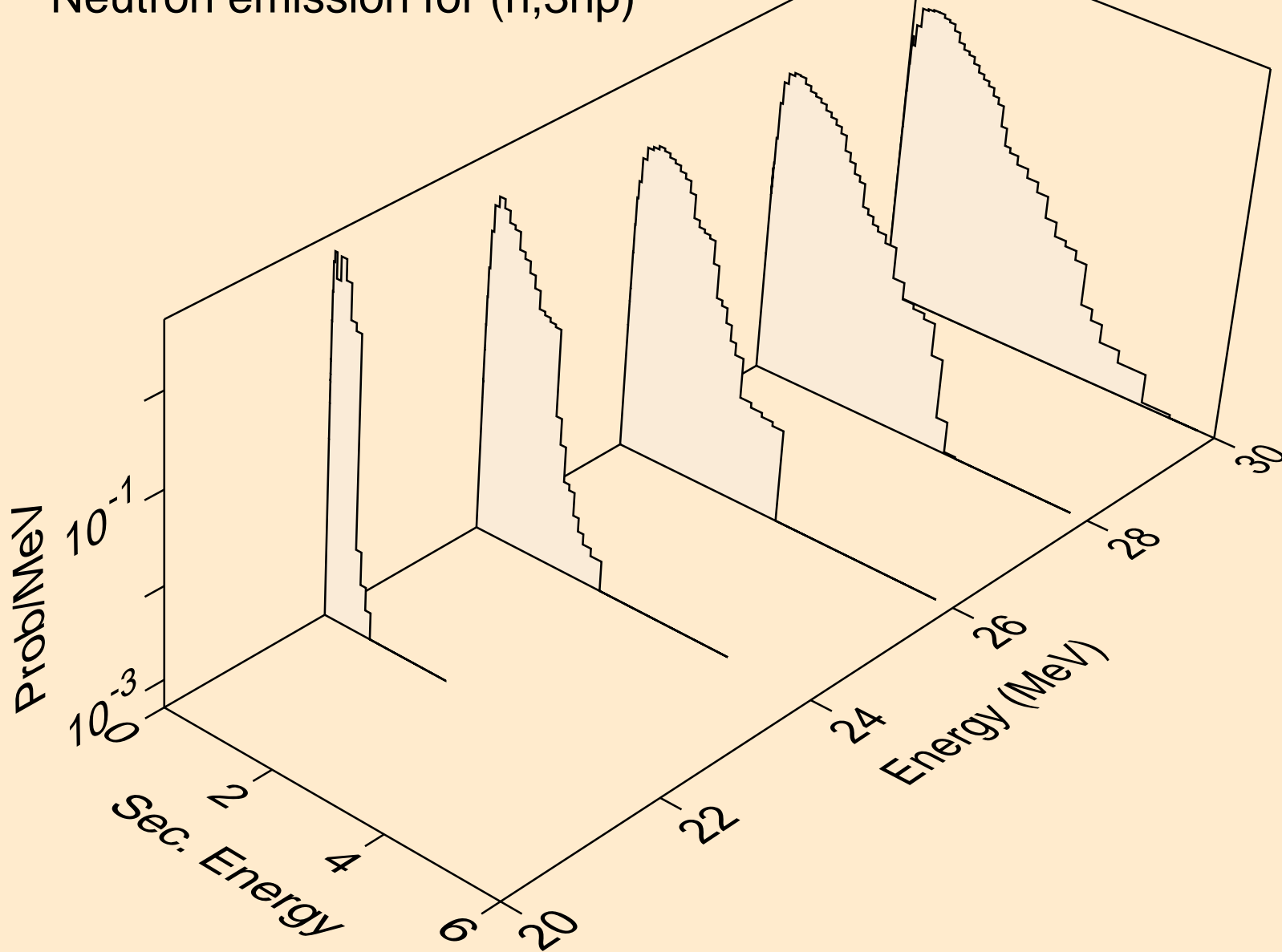
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)



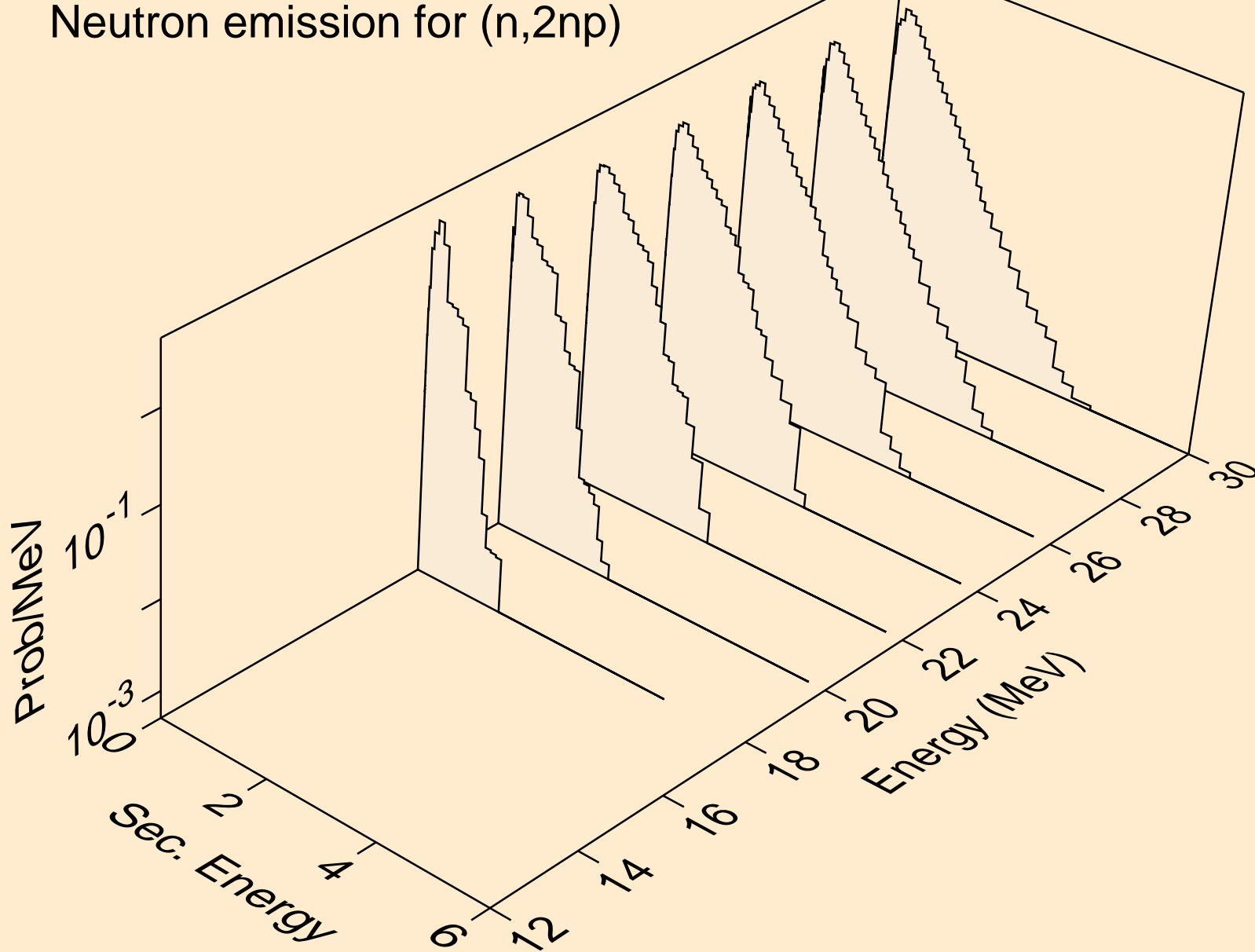
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Neutron emission for (n,2np)



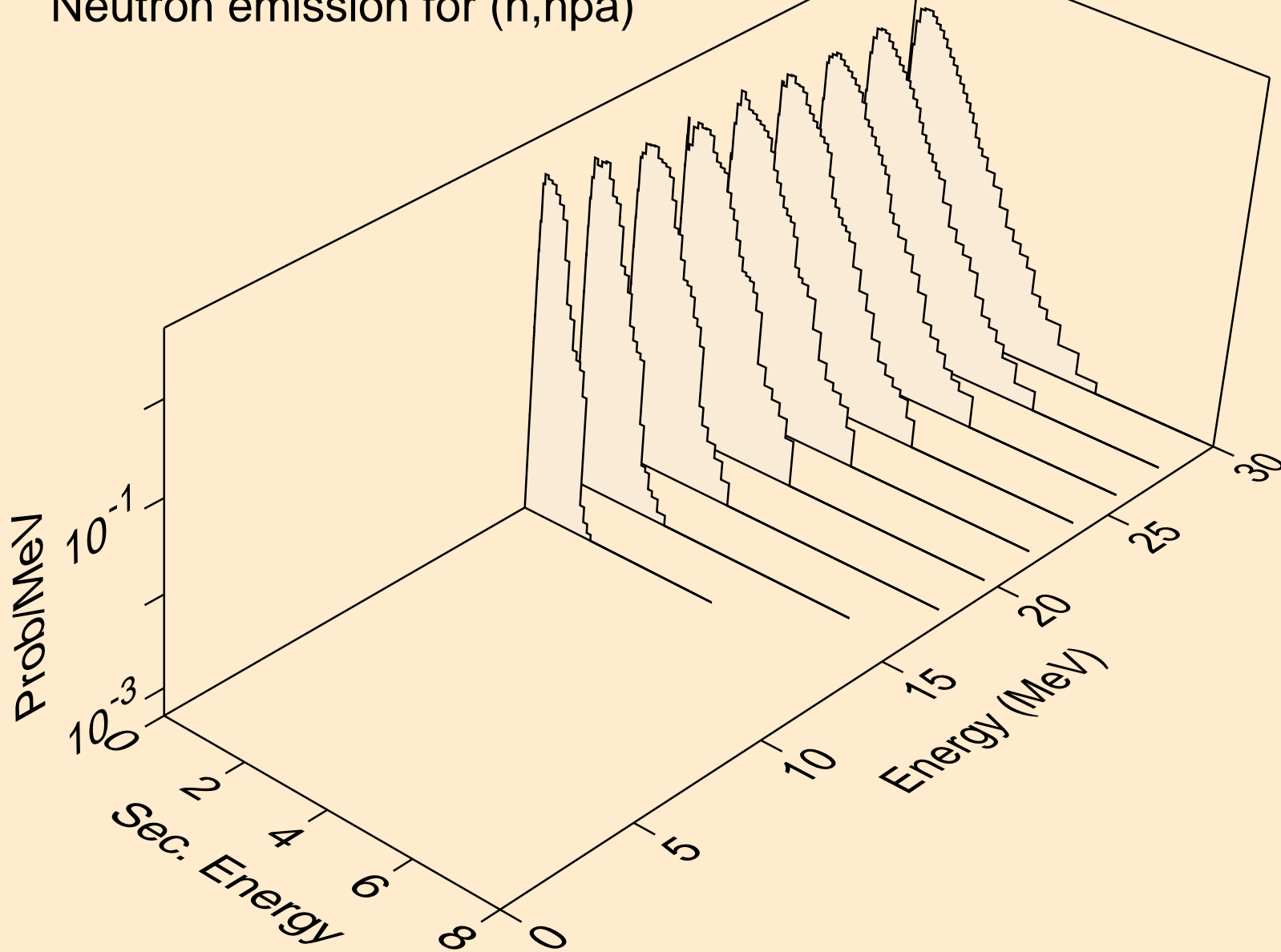
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Neutron emission for (n,3np)



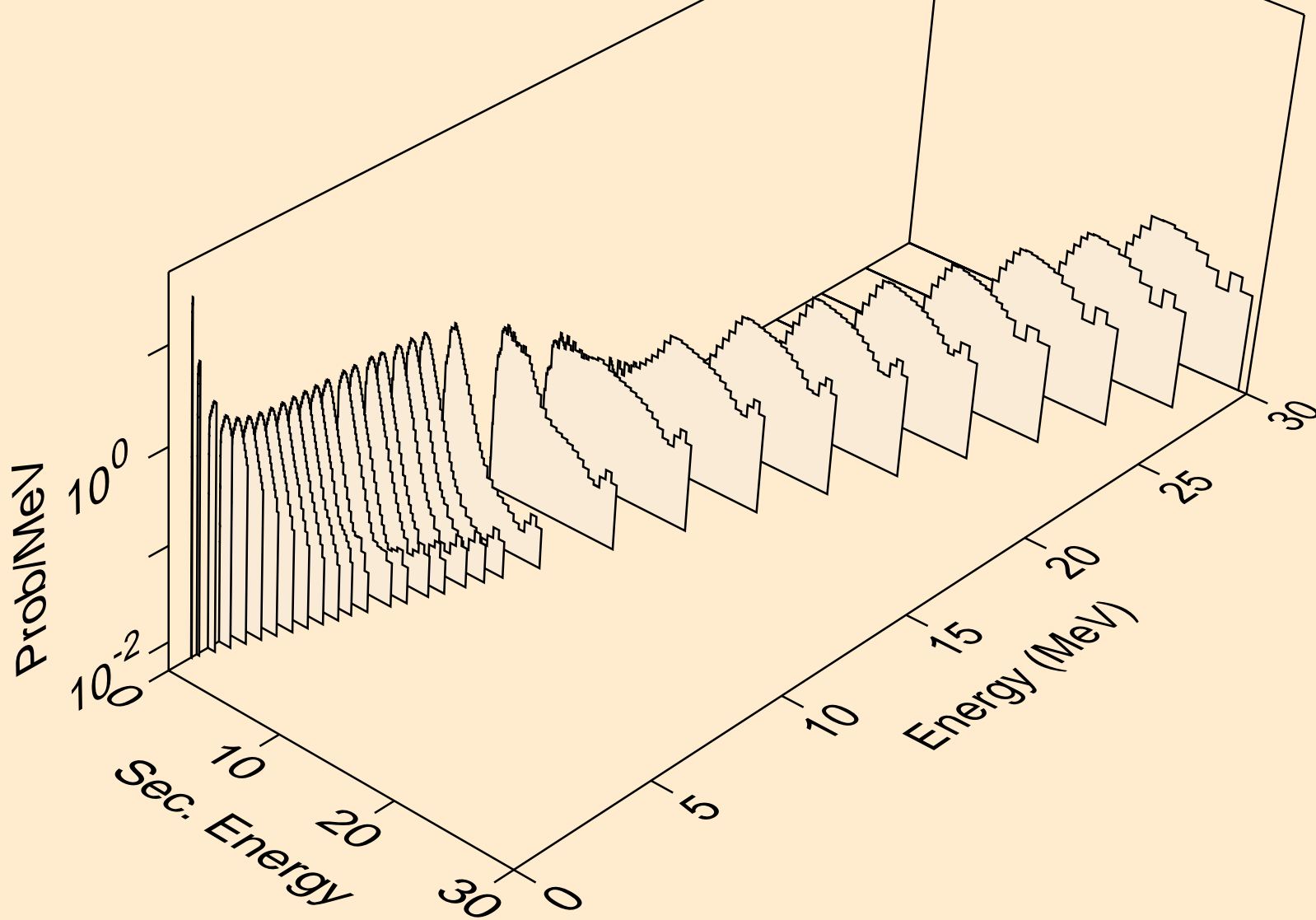
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Neutron emission for (n,2np)



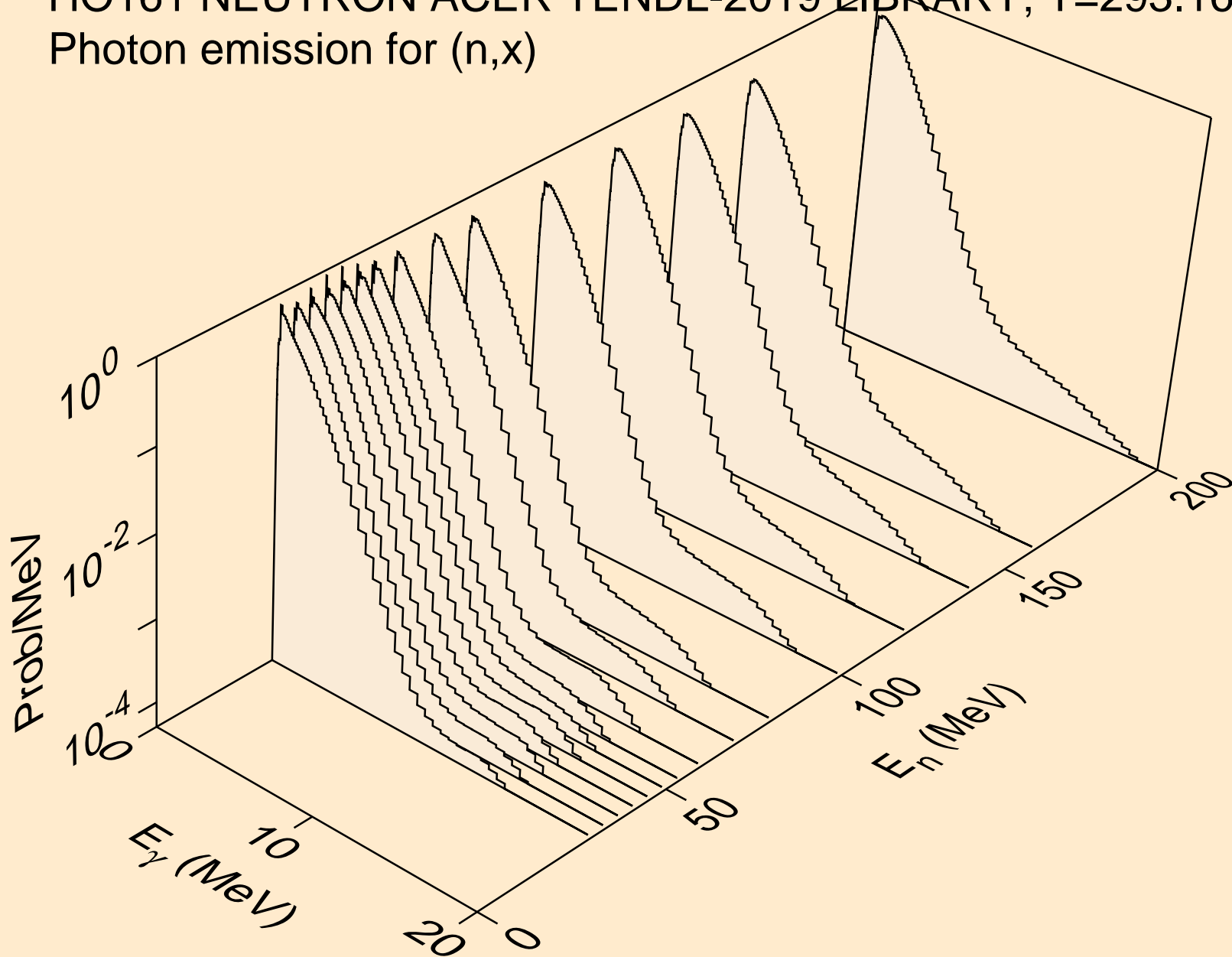
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Neutron emission for (n,npa)



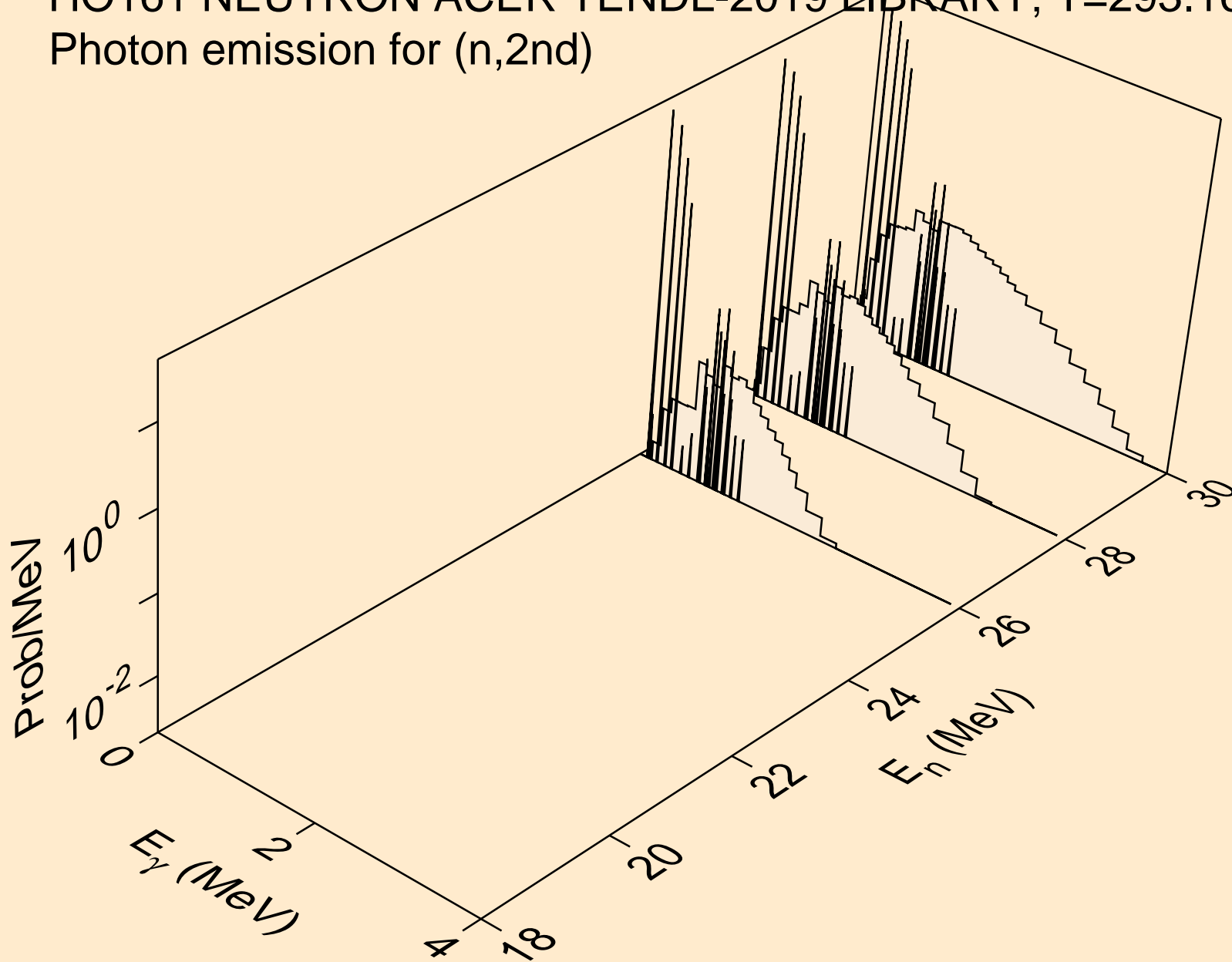
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)

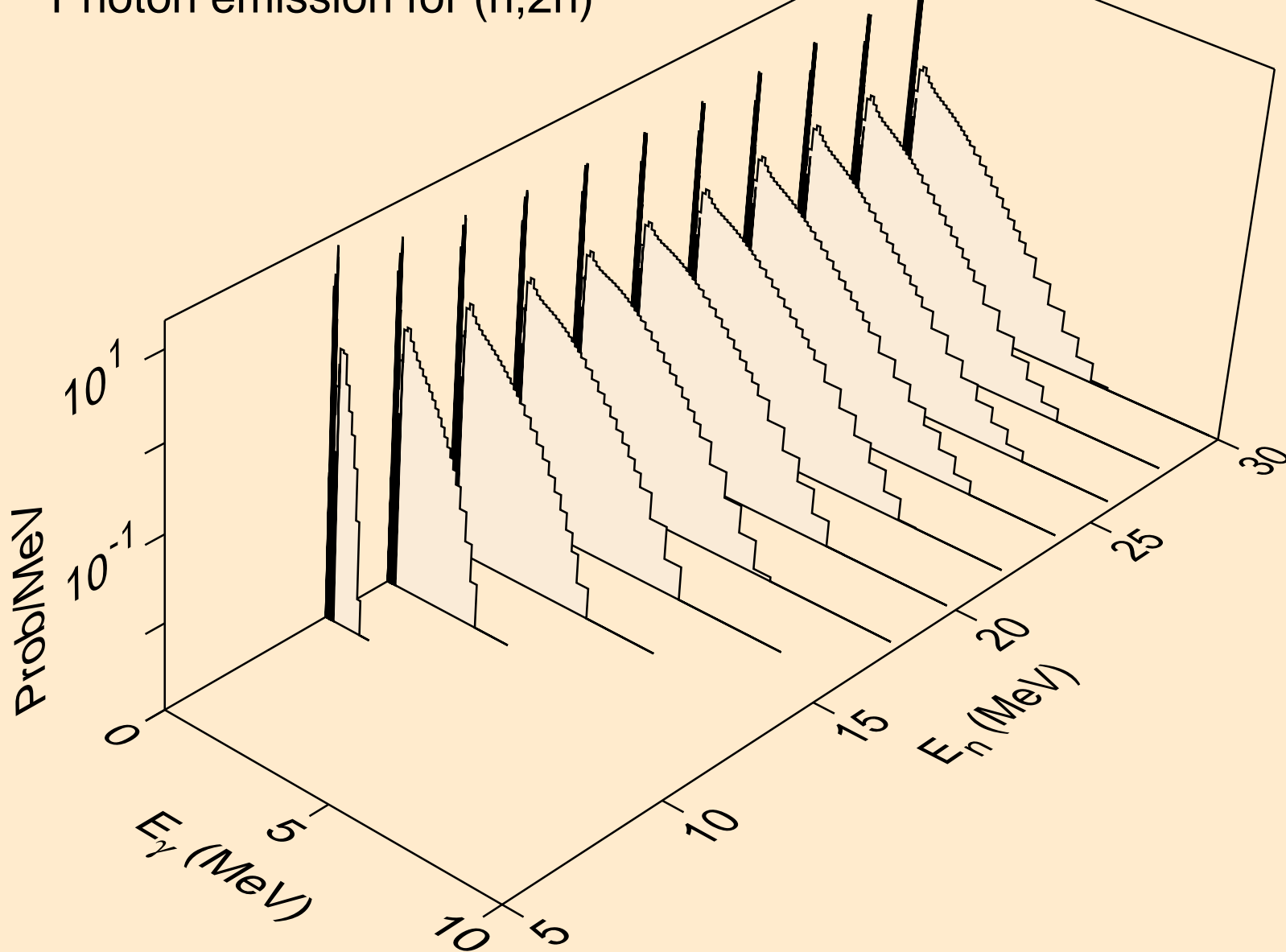


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Photon emission for (n,2nd)

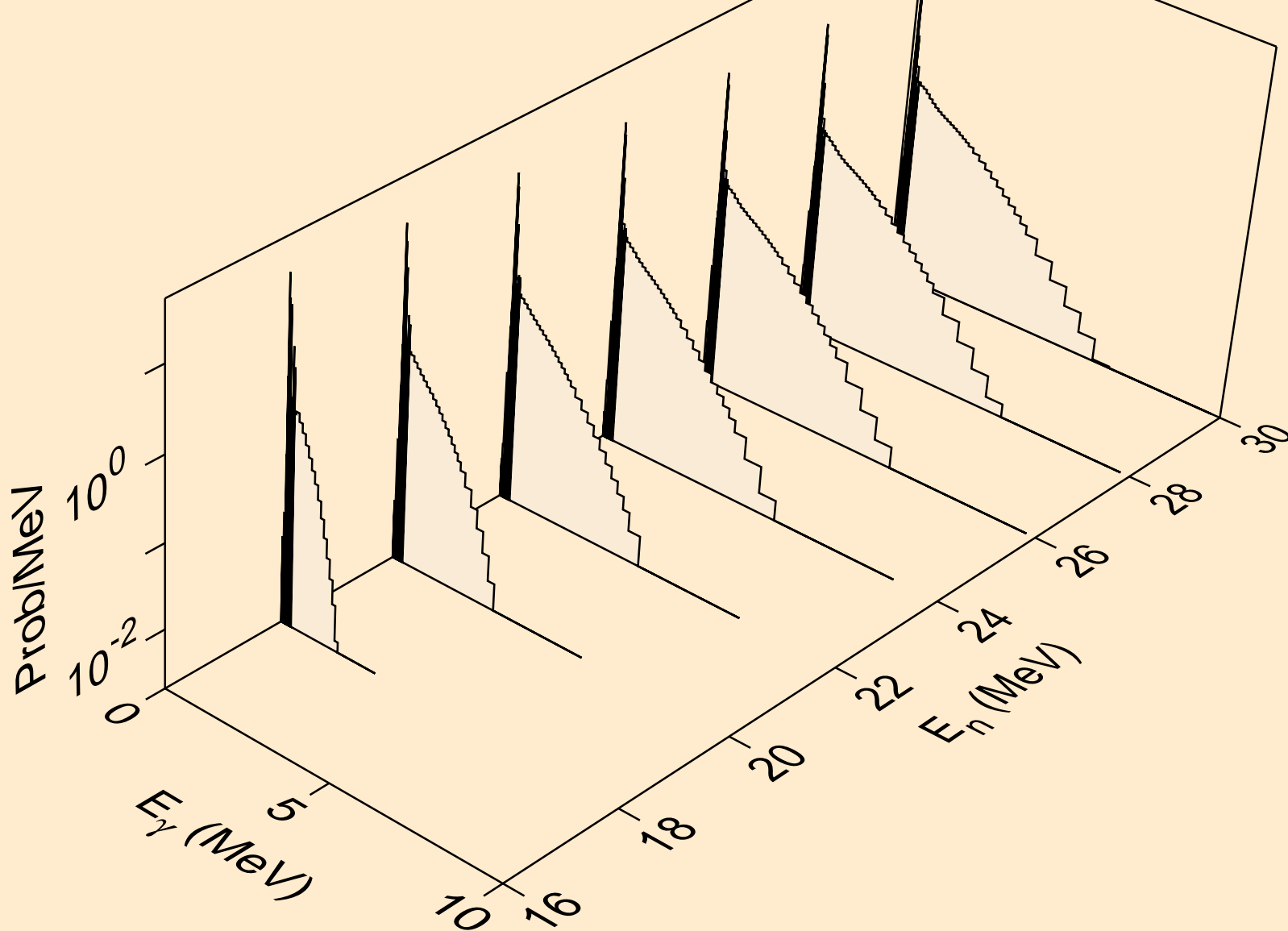




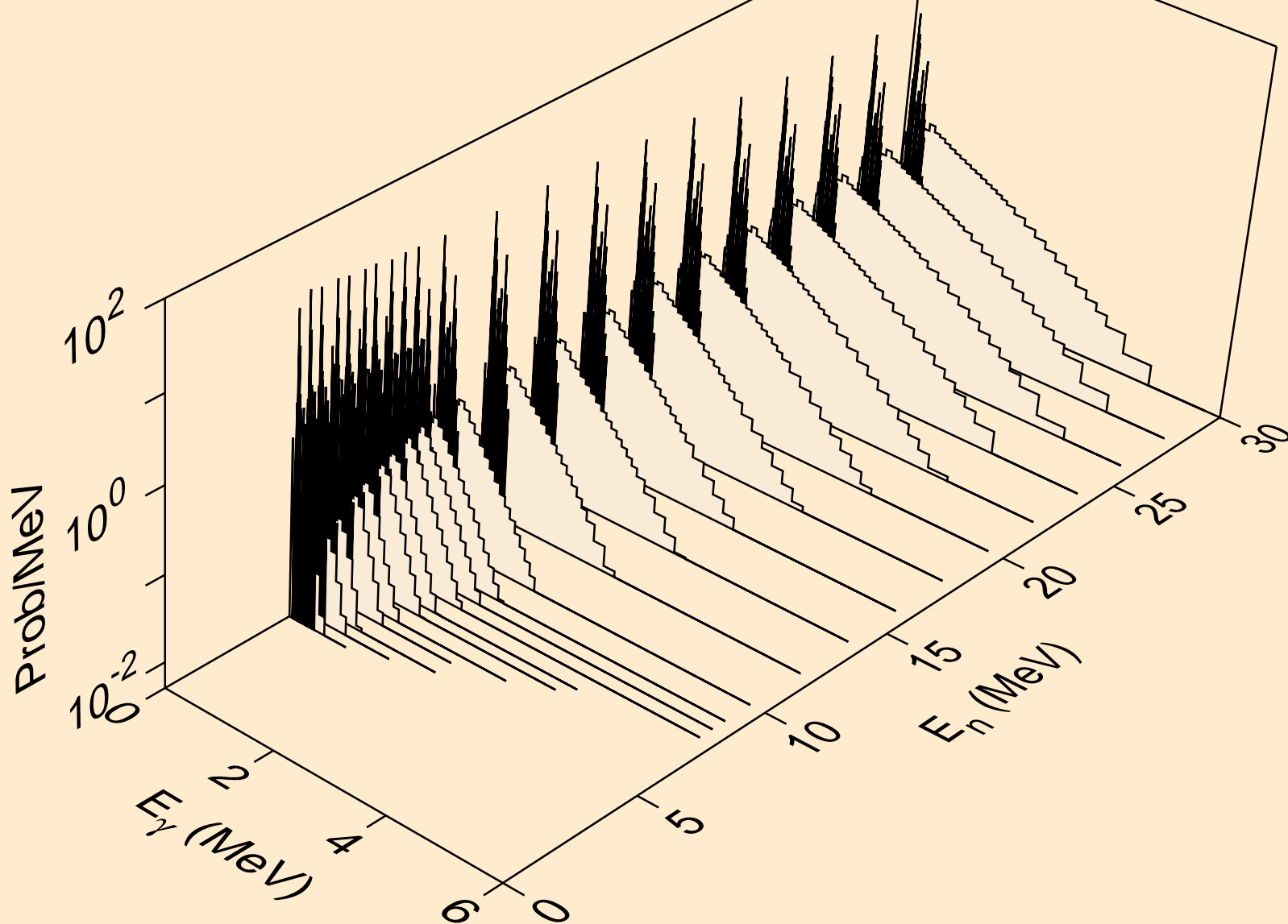
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Photon emission for (n,2n)



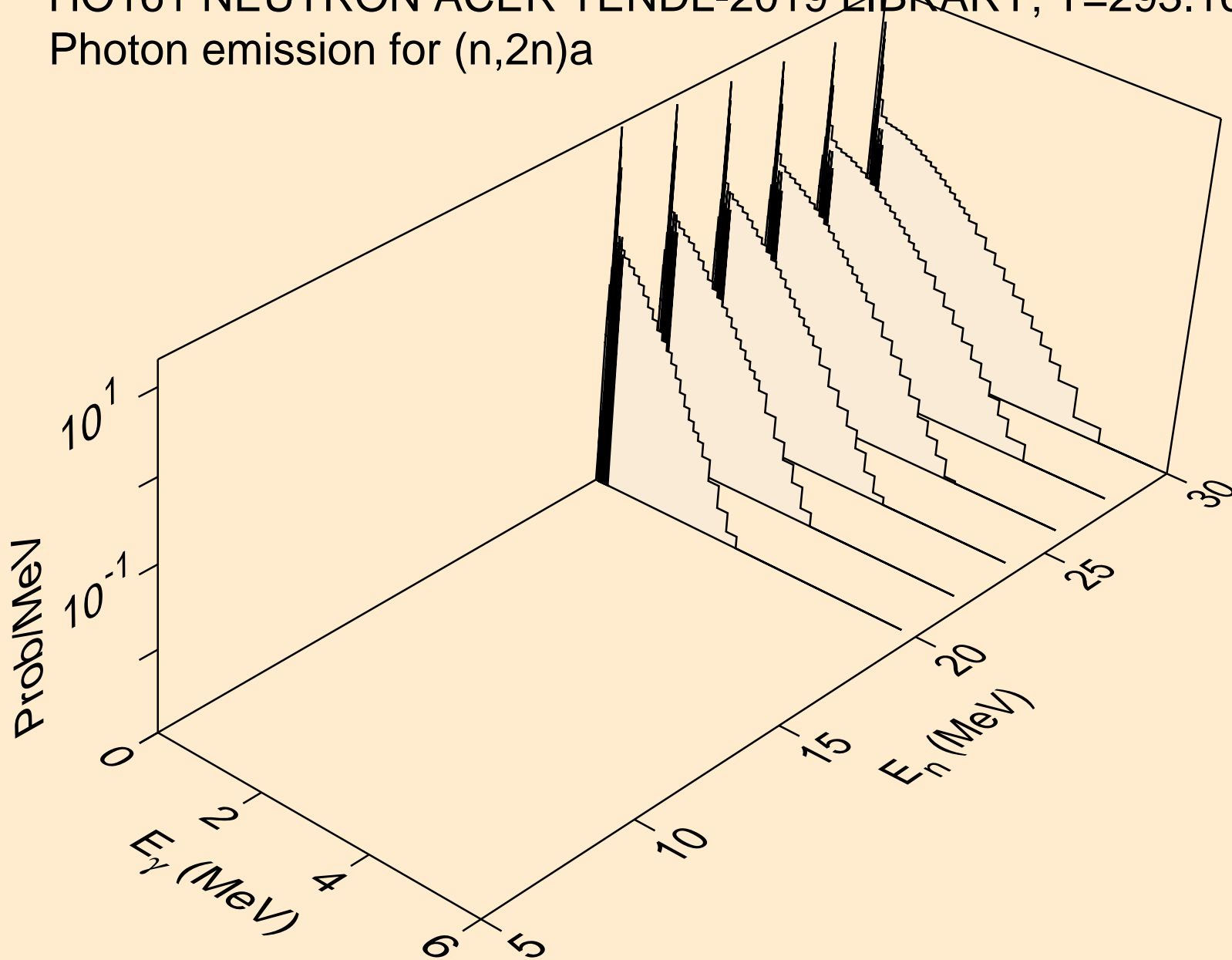
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Photon emission for (n,3n)



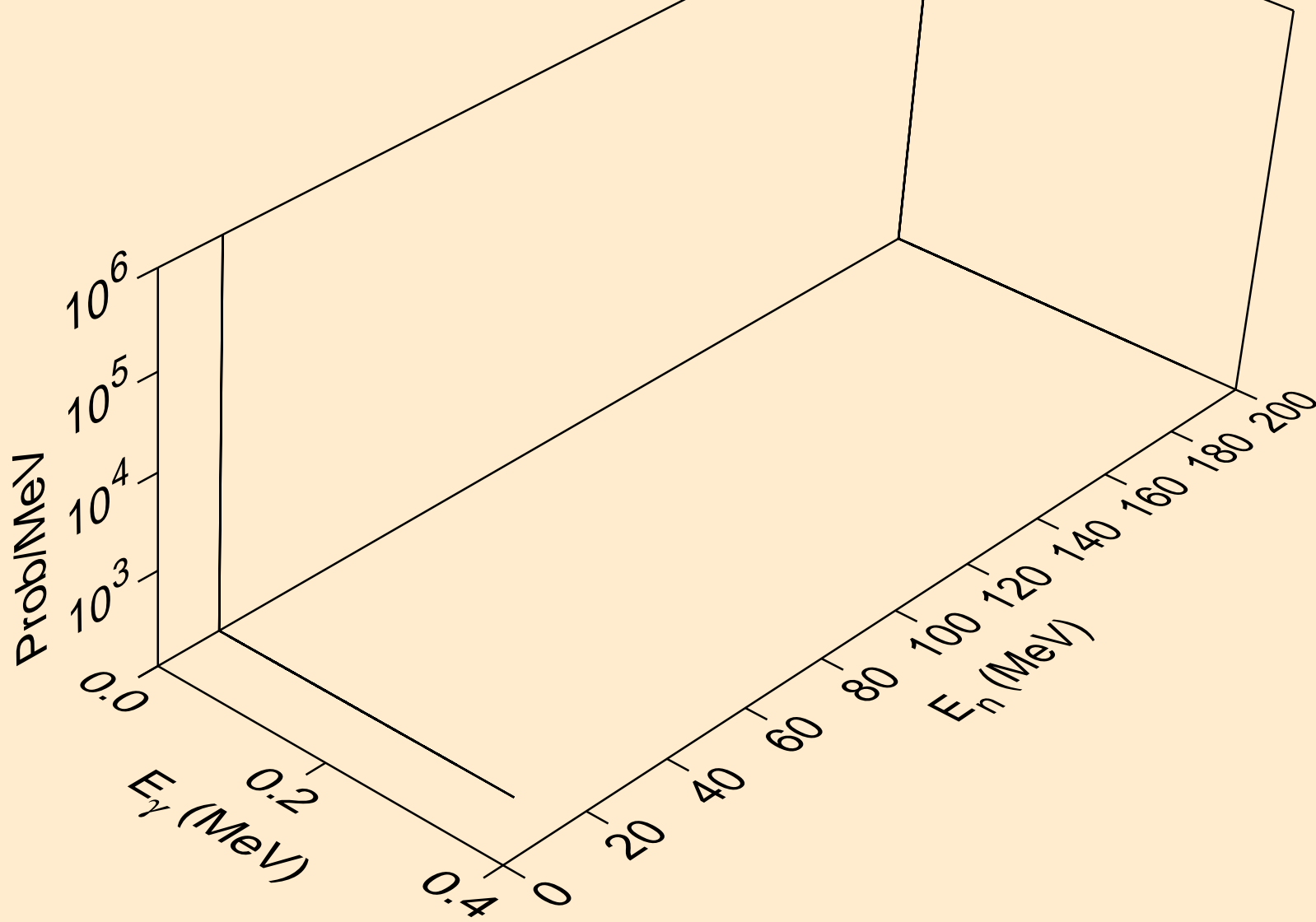
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Photon emission for (n,n\*)a



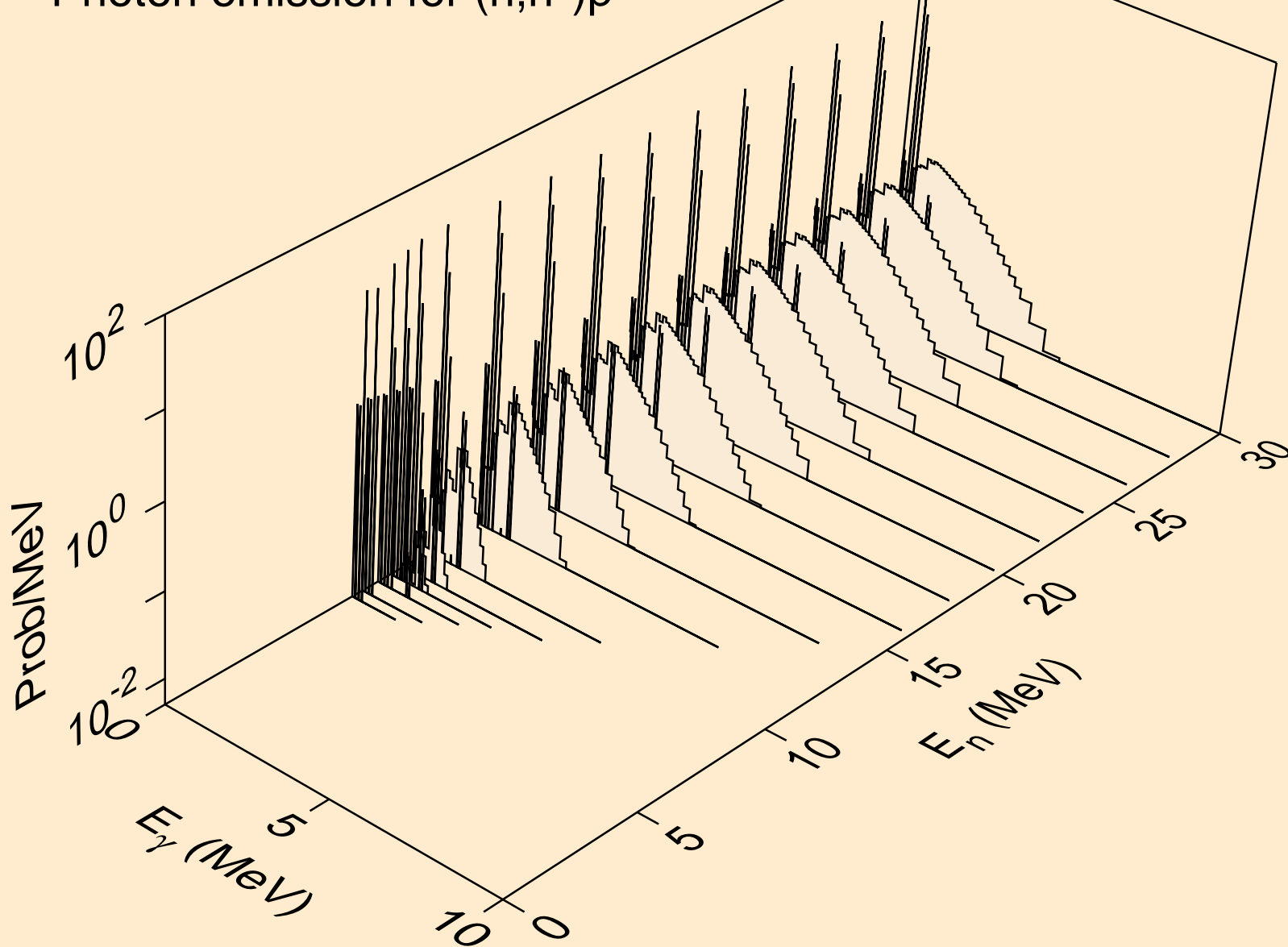
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Photon emission for (n,2n)a



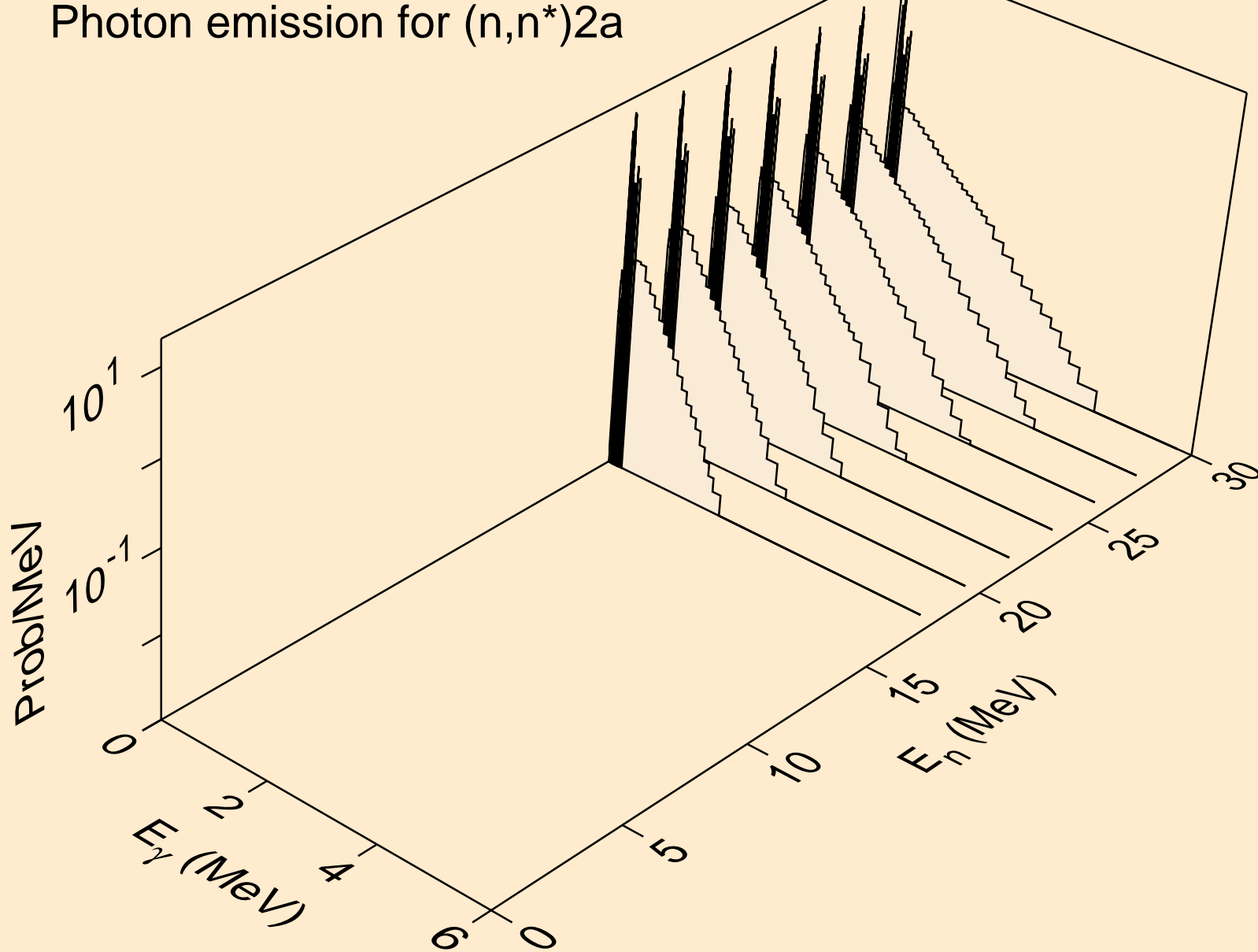
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Photon emission for (n,3n)a



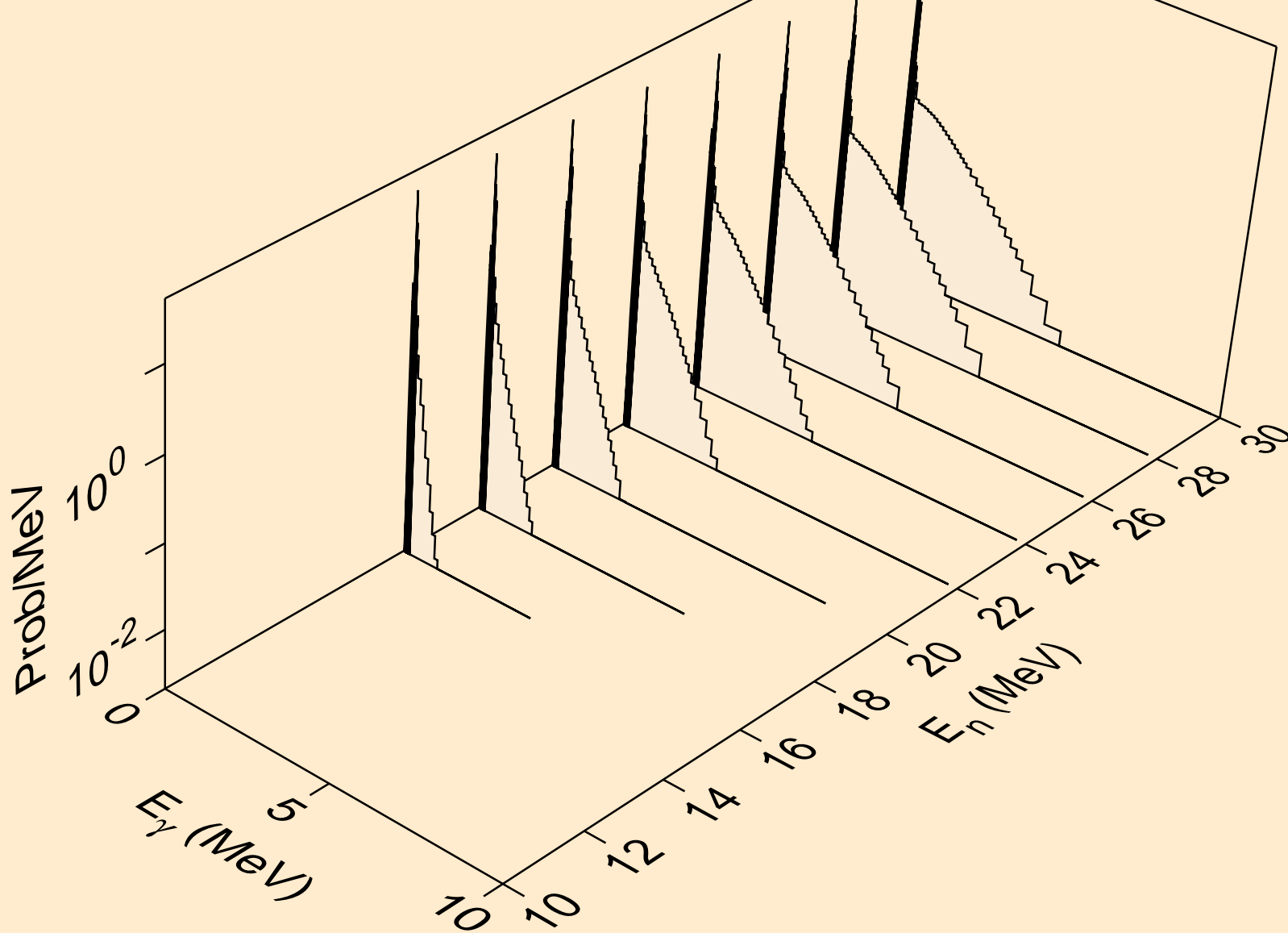
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Photon emission for (n,n\*)p



HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)2a

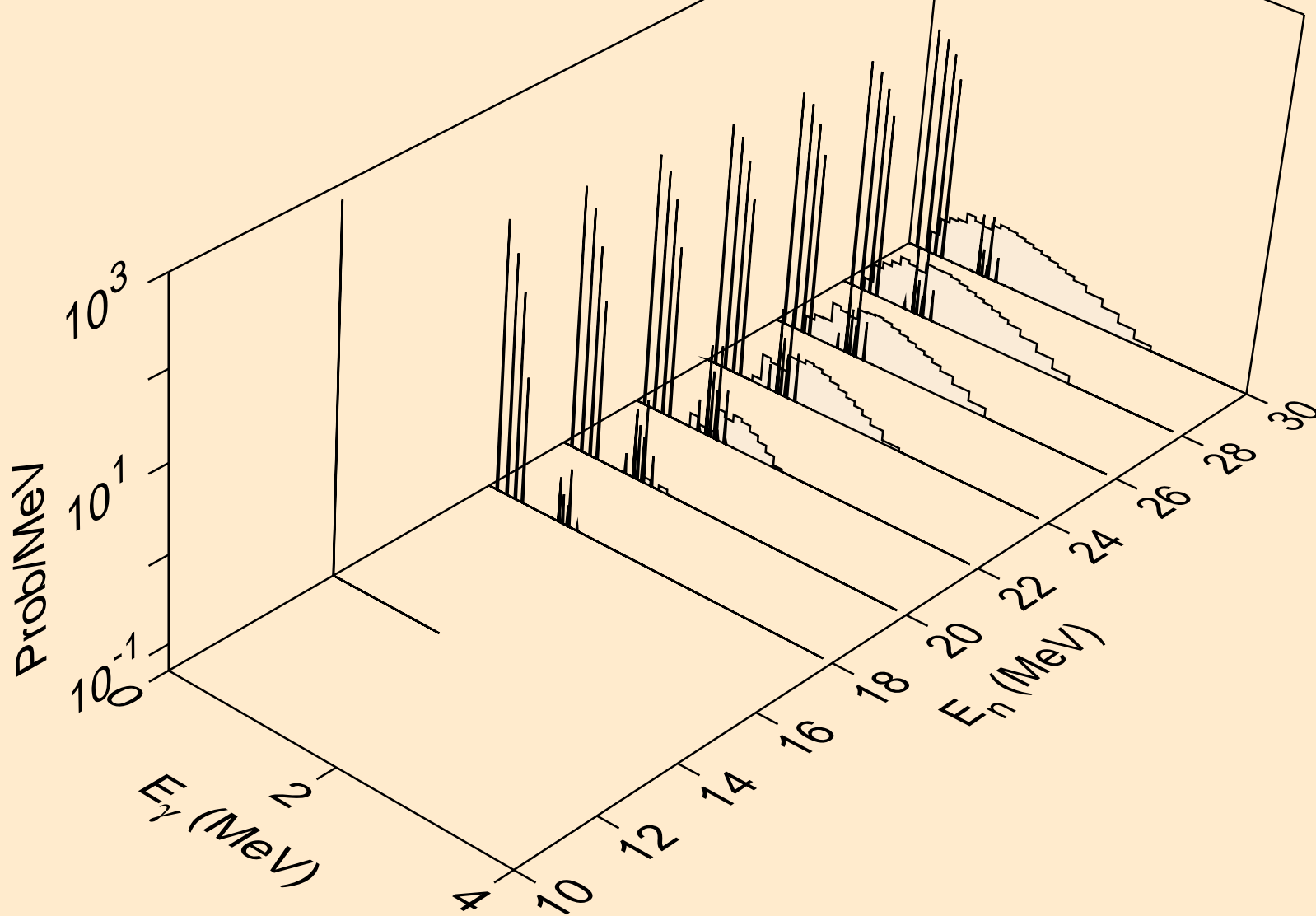


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Photon emission for (n,n\*)d

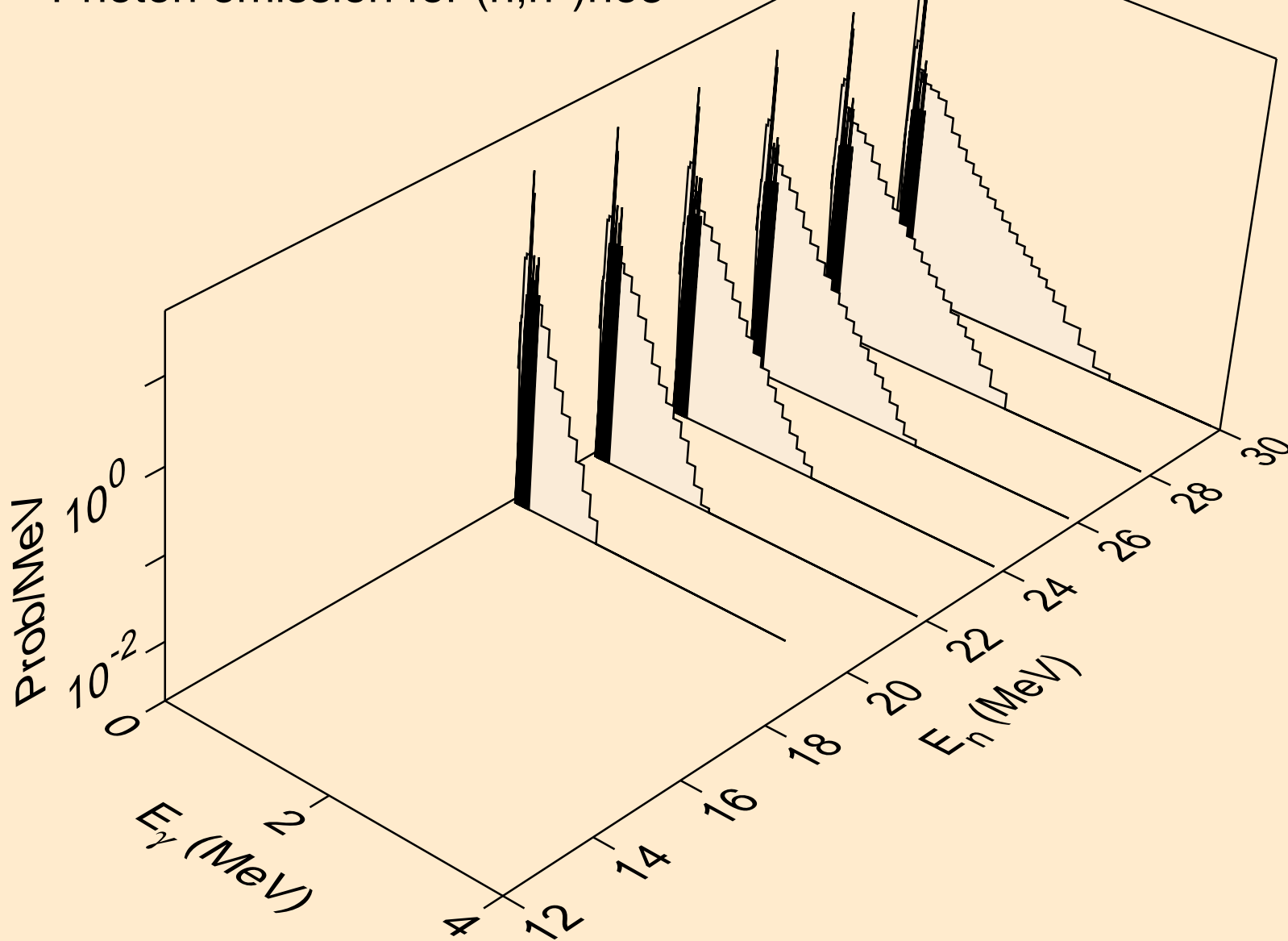




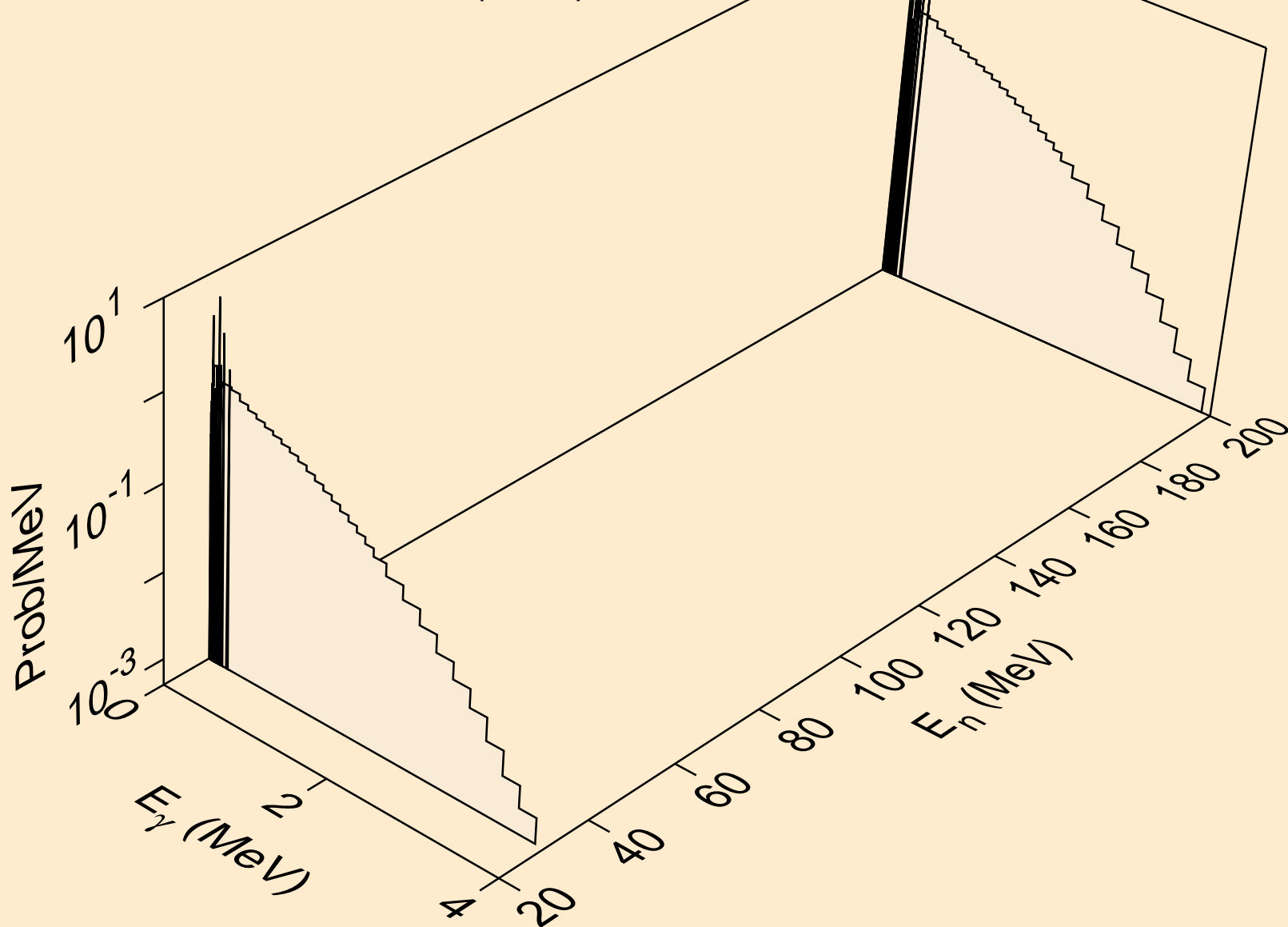
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Photon emission for (n,n\*)t



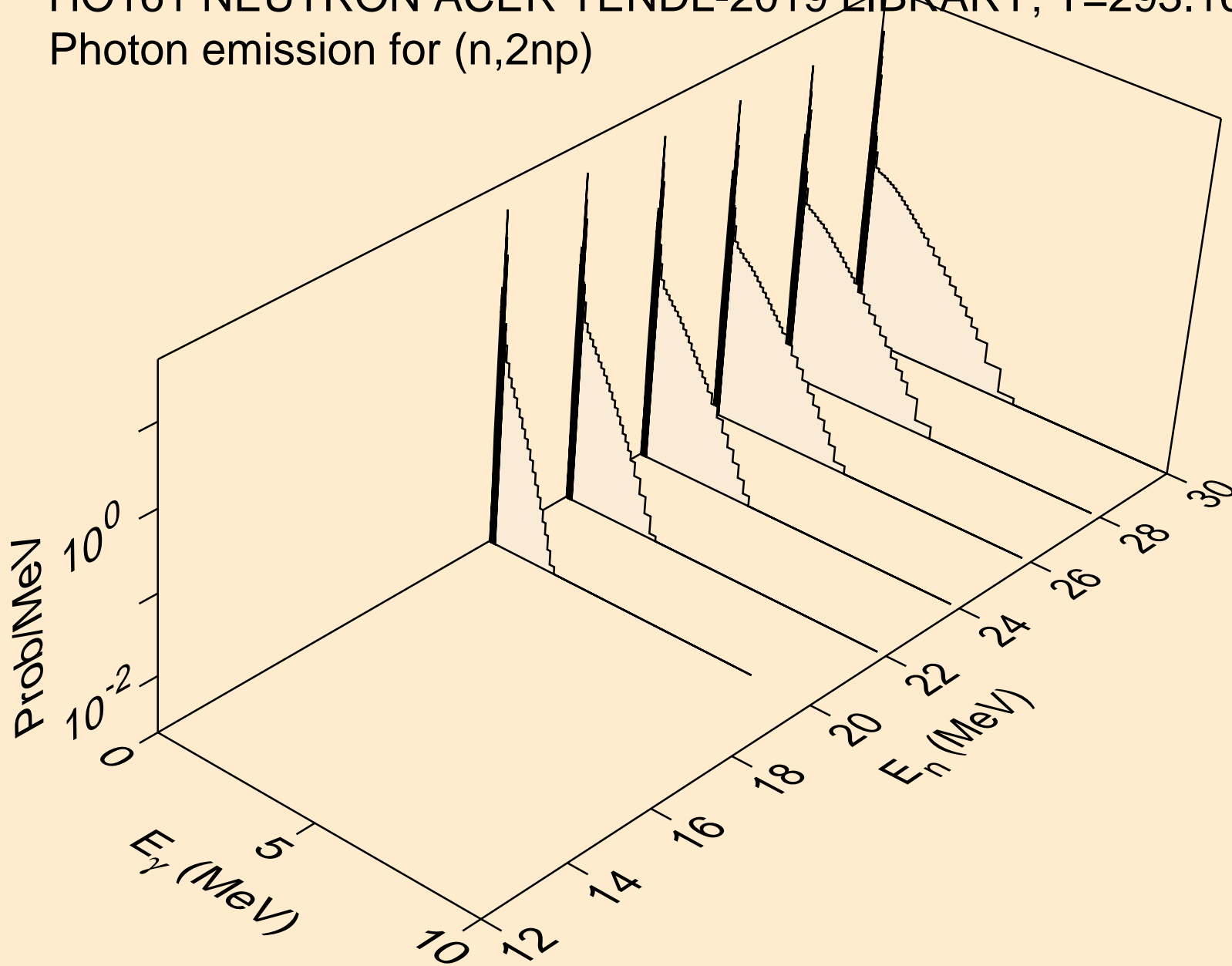
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3



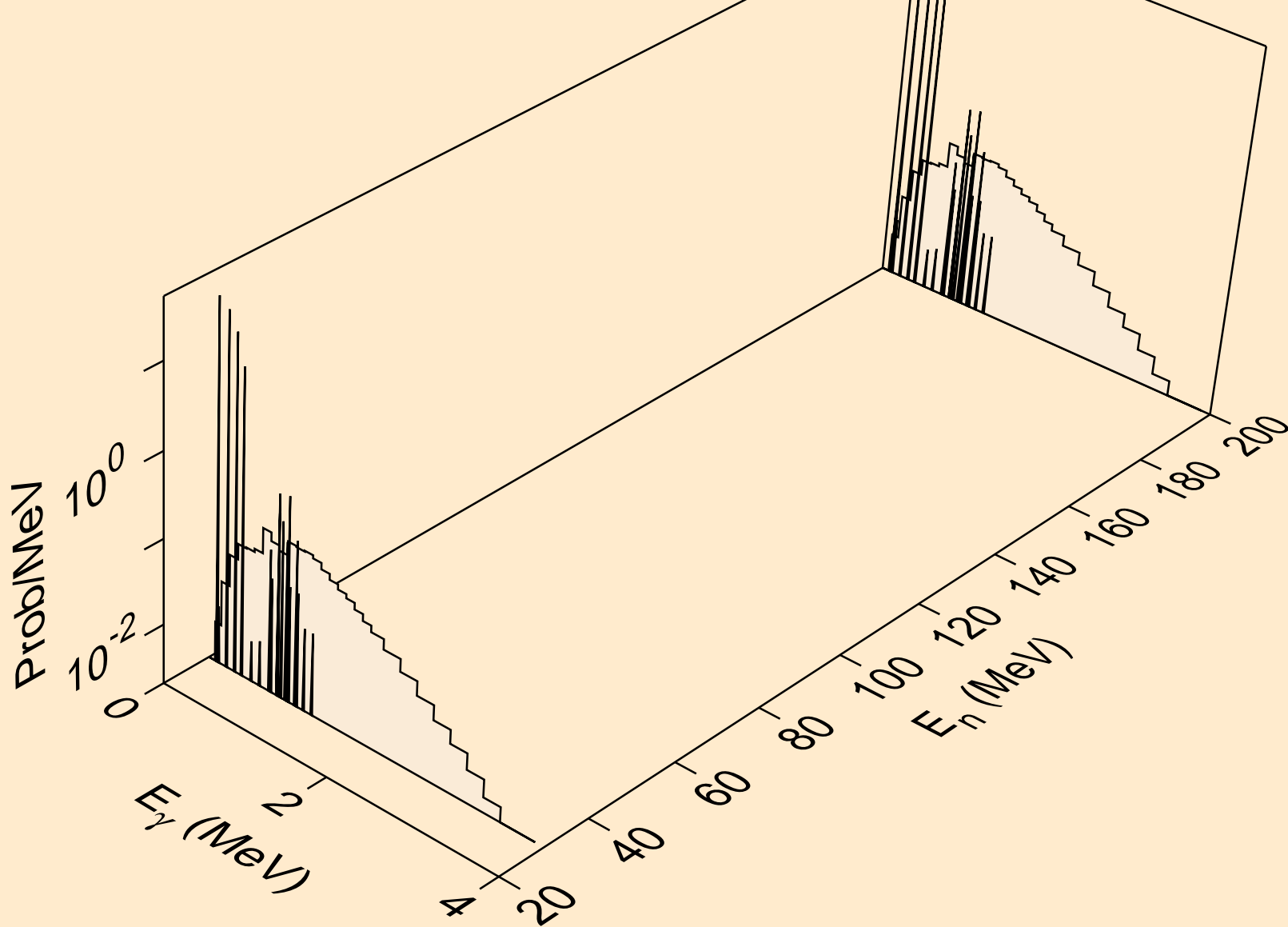
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Photon emission for (n,4n)



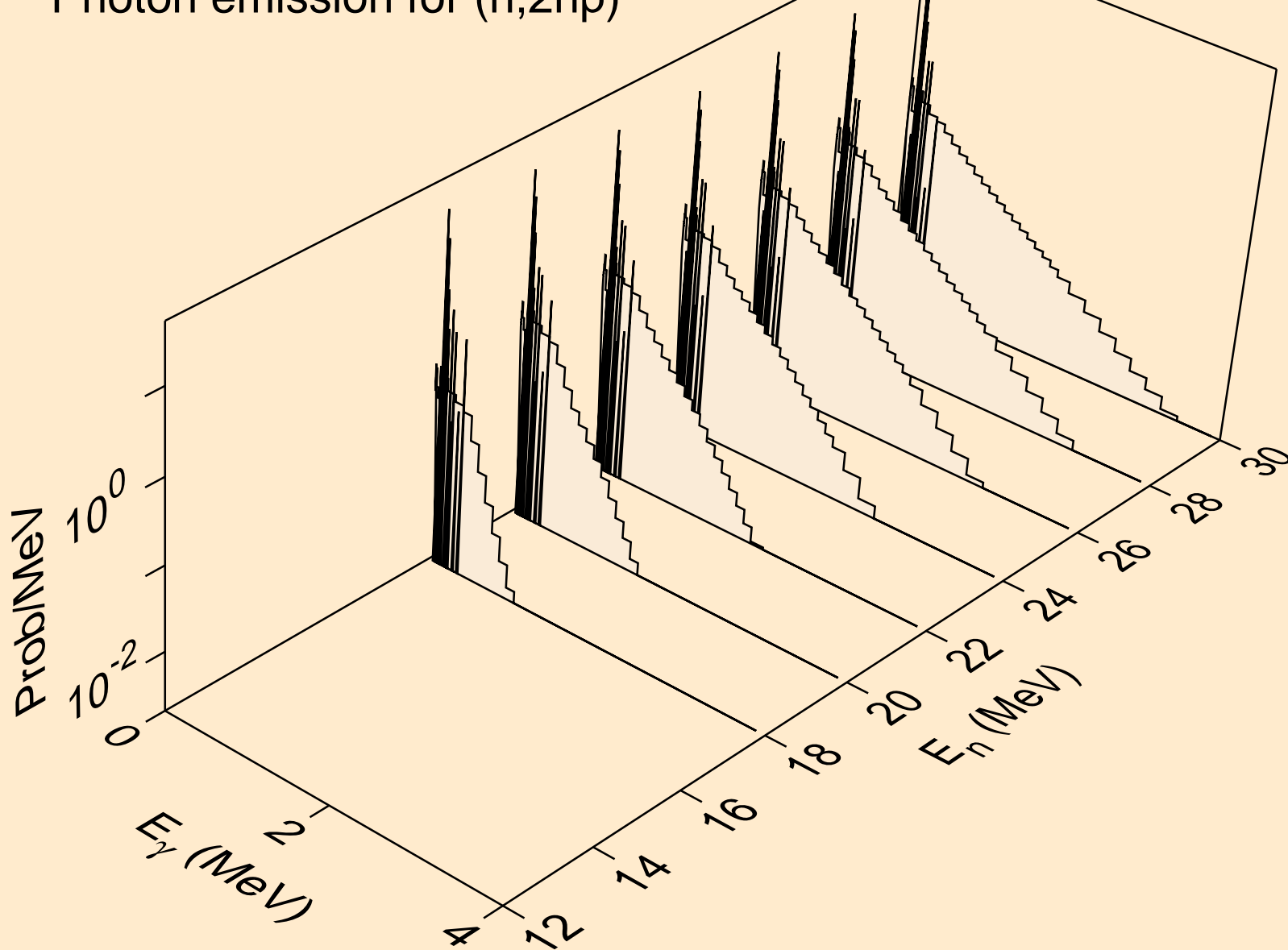
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Photon emission for (n,2np)



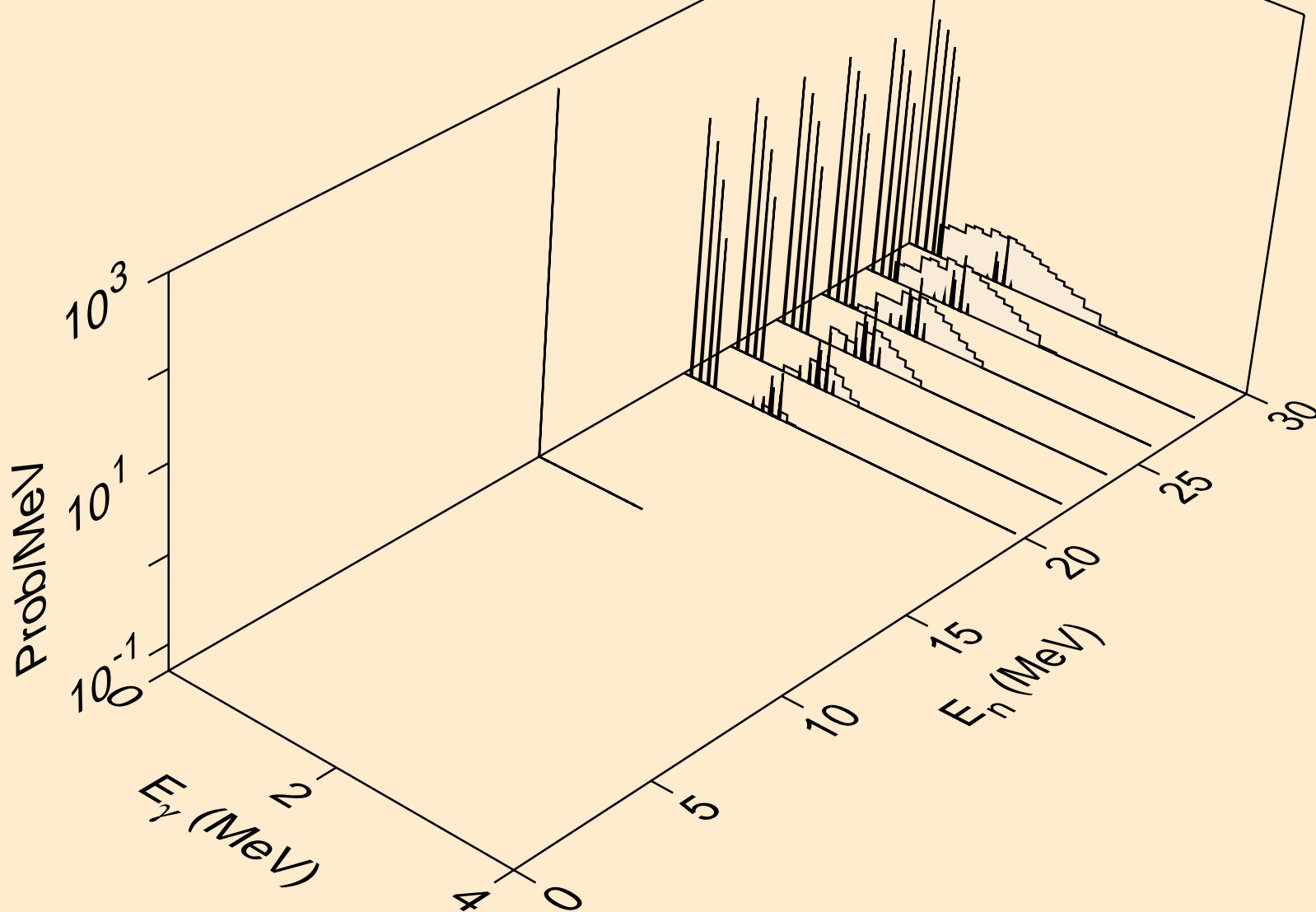
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Photon emission for (n,3np)



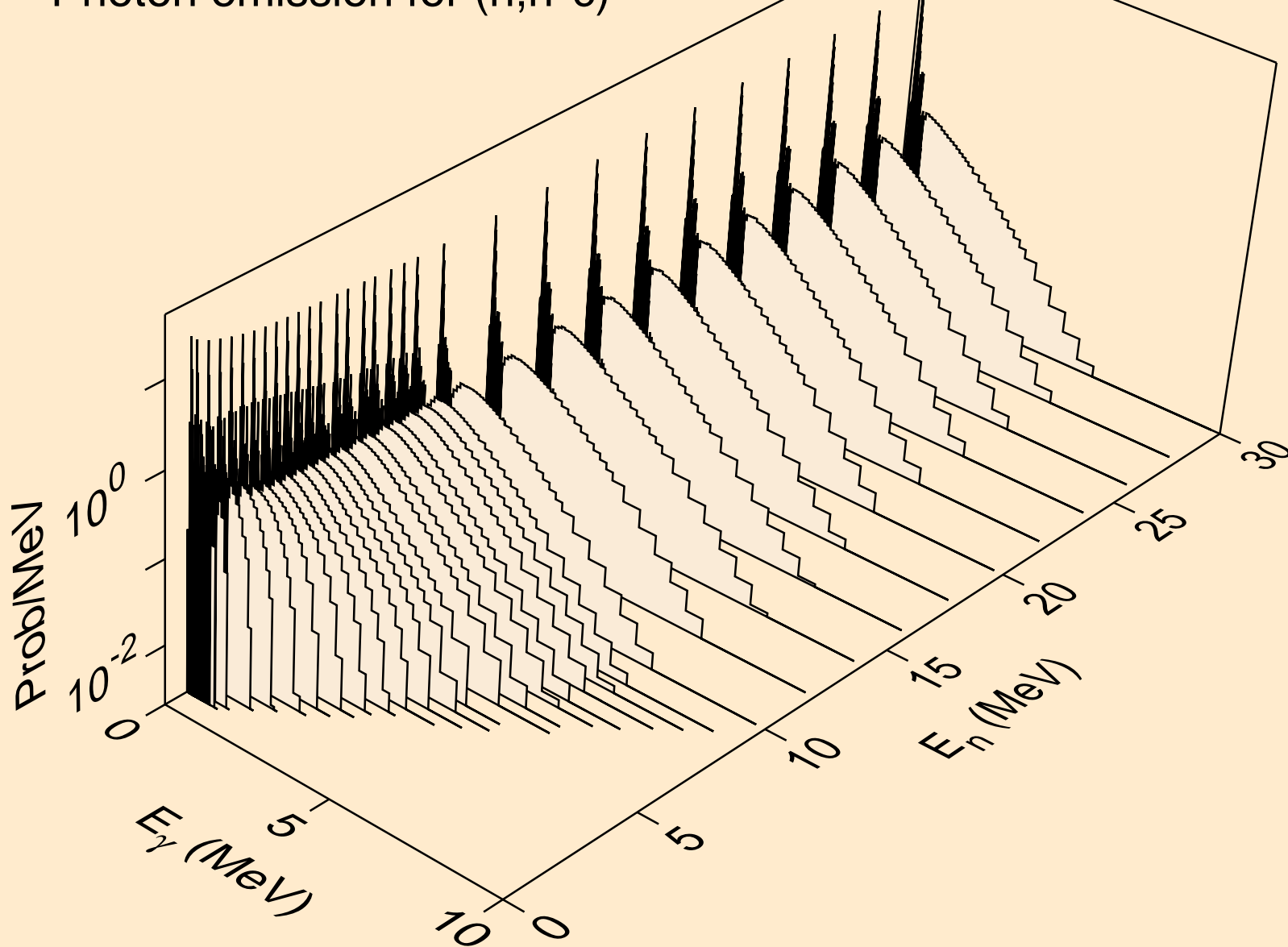
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Photon emission for (n,2np)



HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)

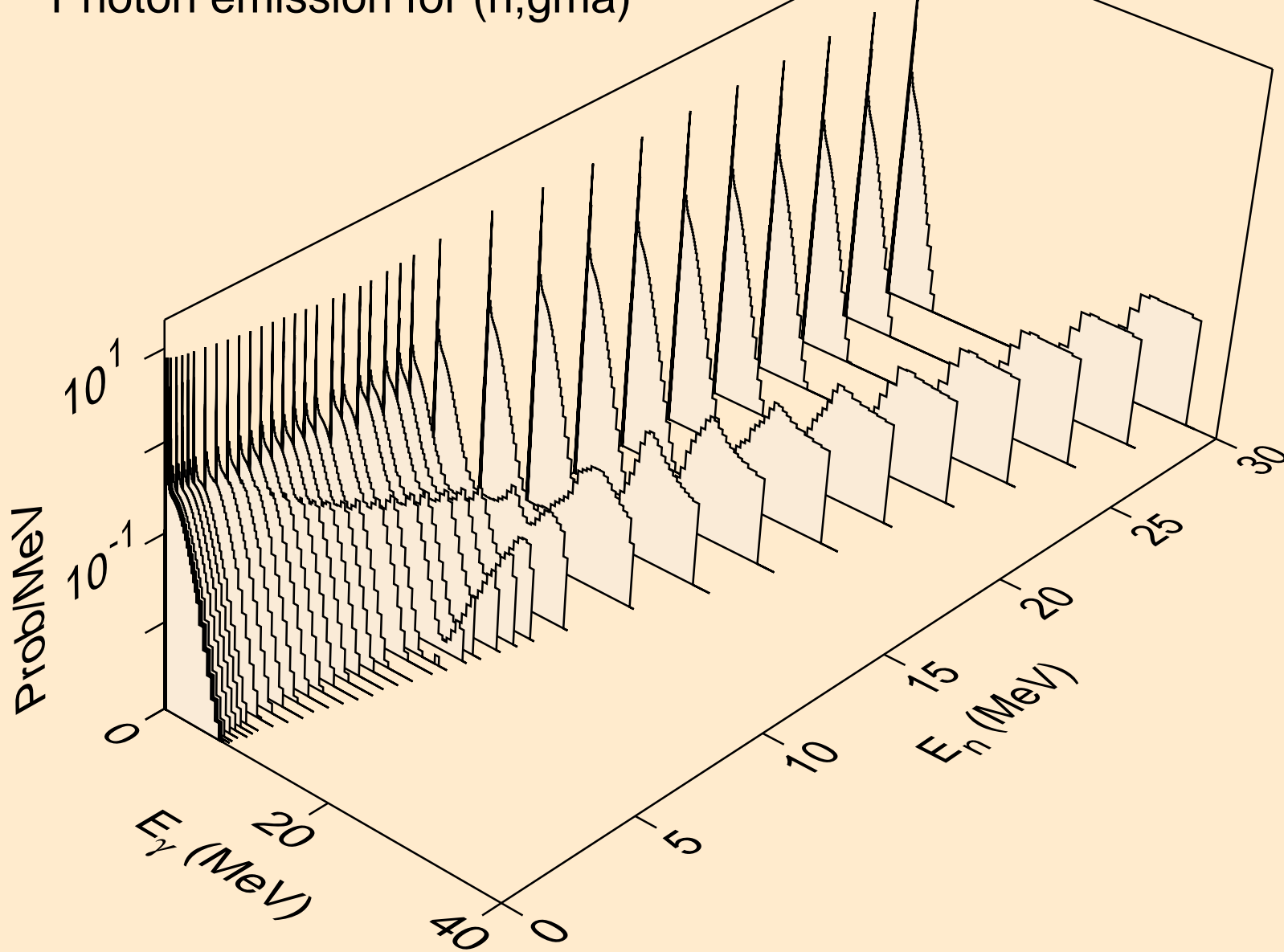


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Photon emission for (n,n\*c)

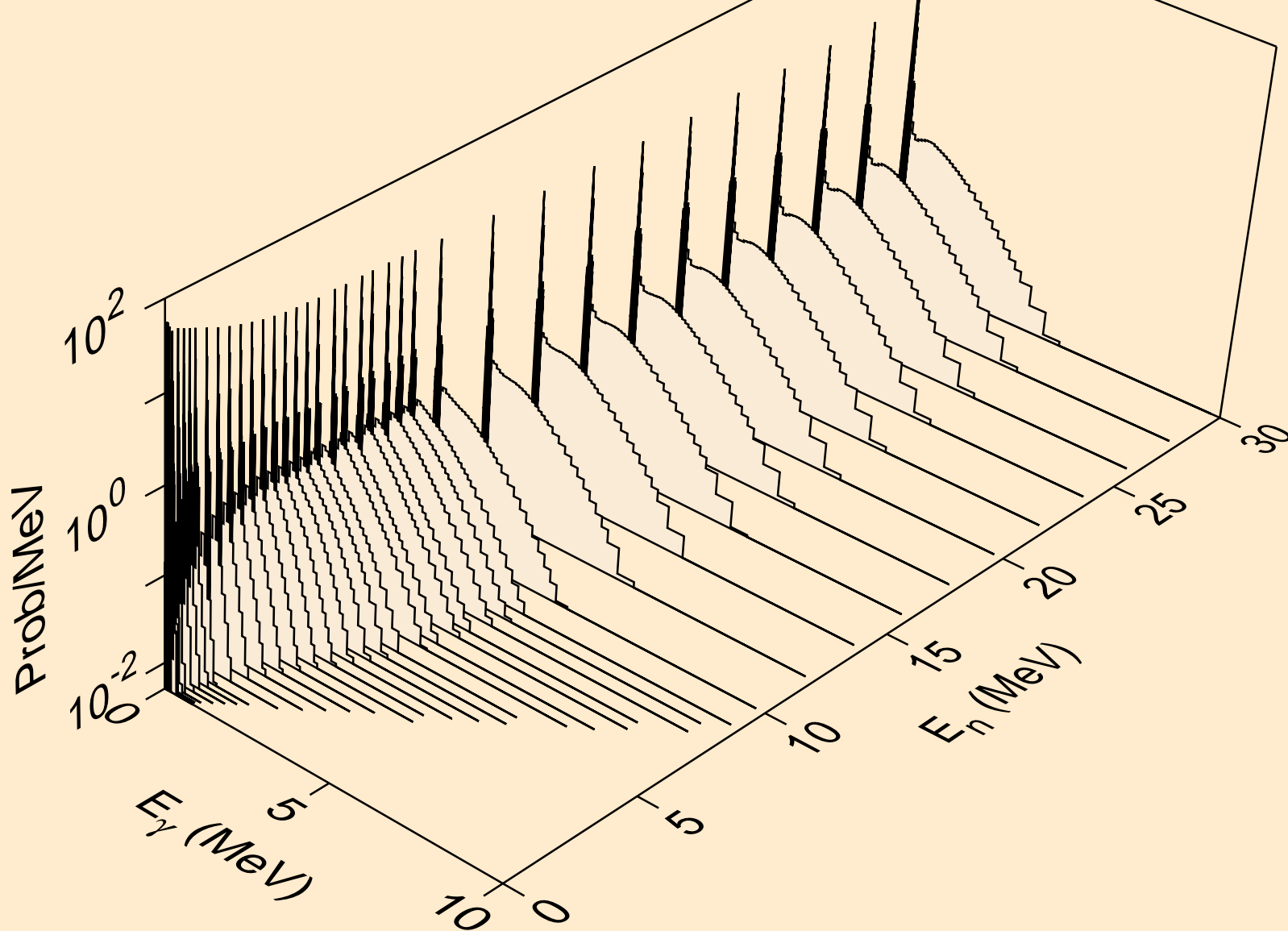




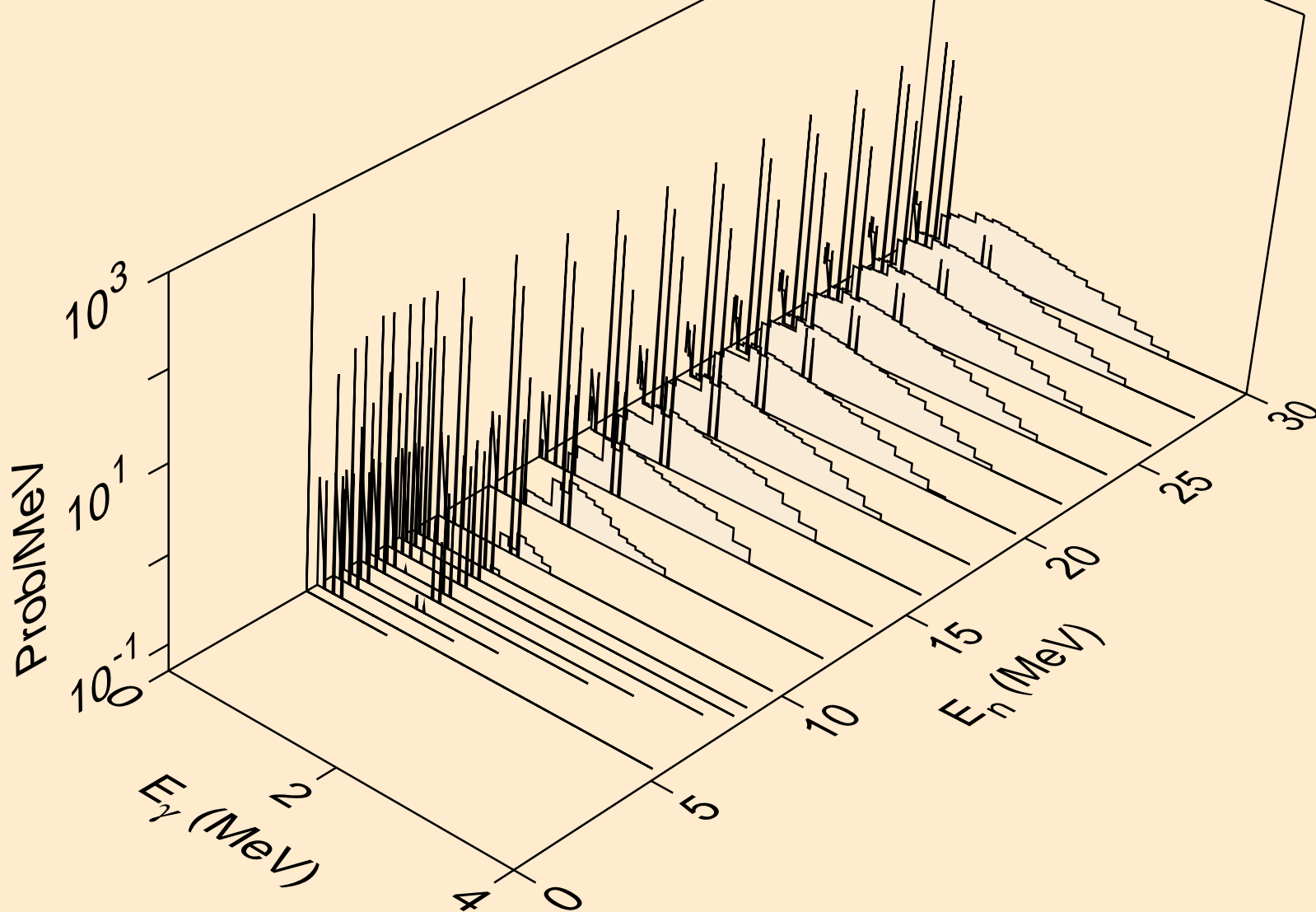
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Photon emission for (n,gma)



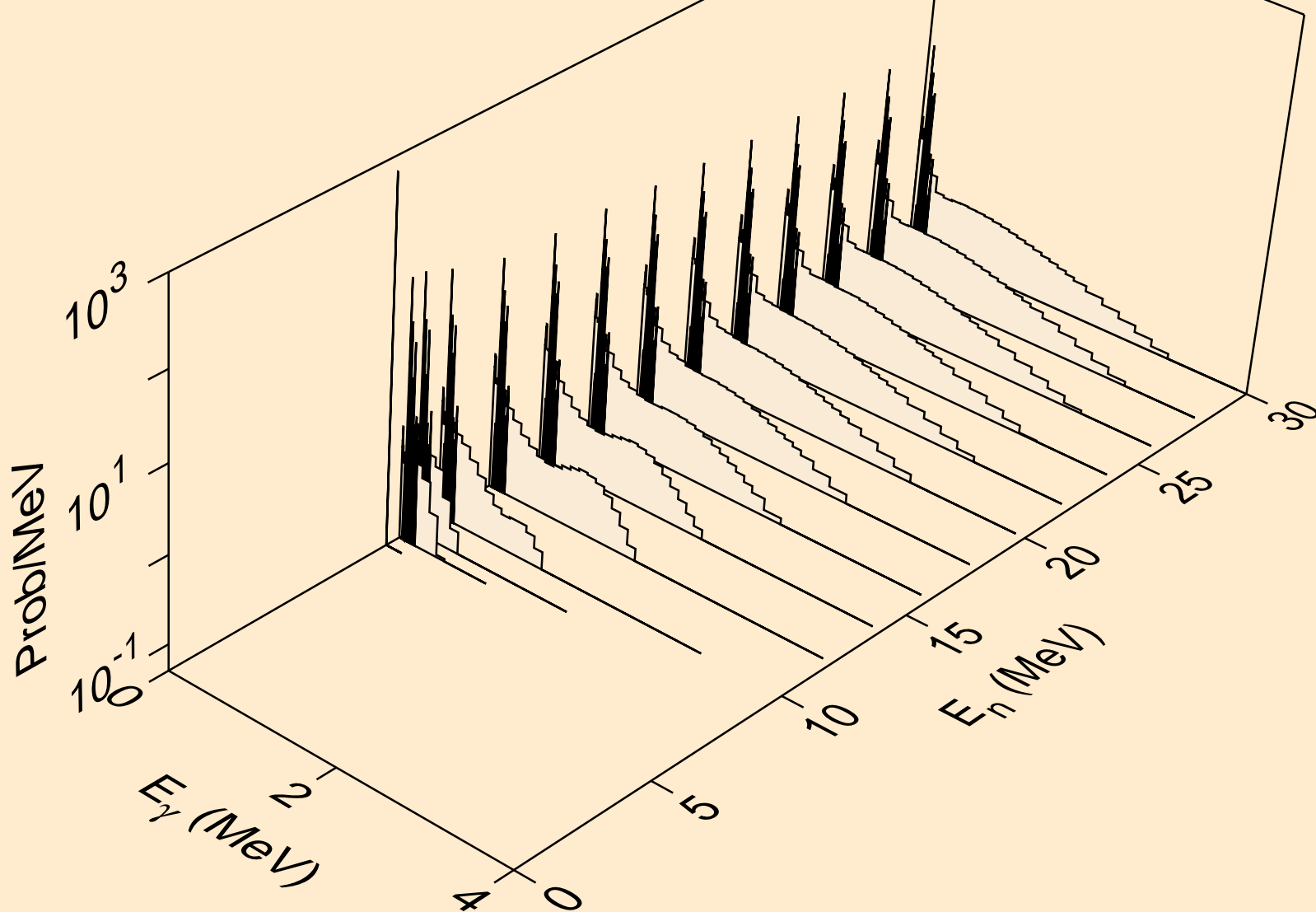
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Photon emission for (n,p)



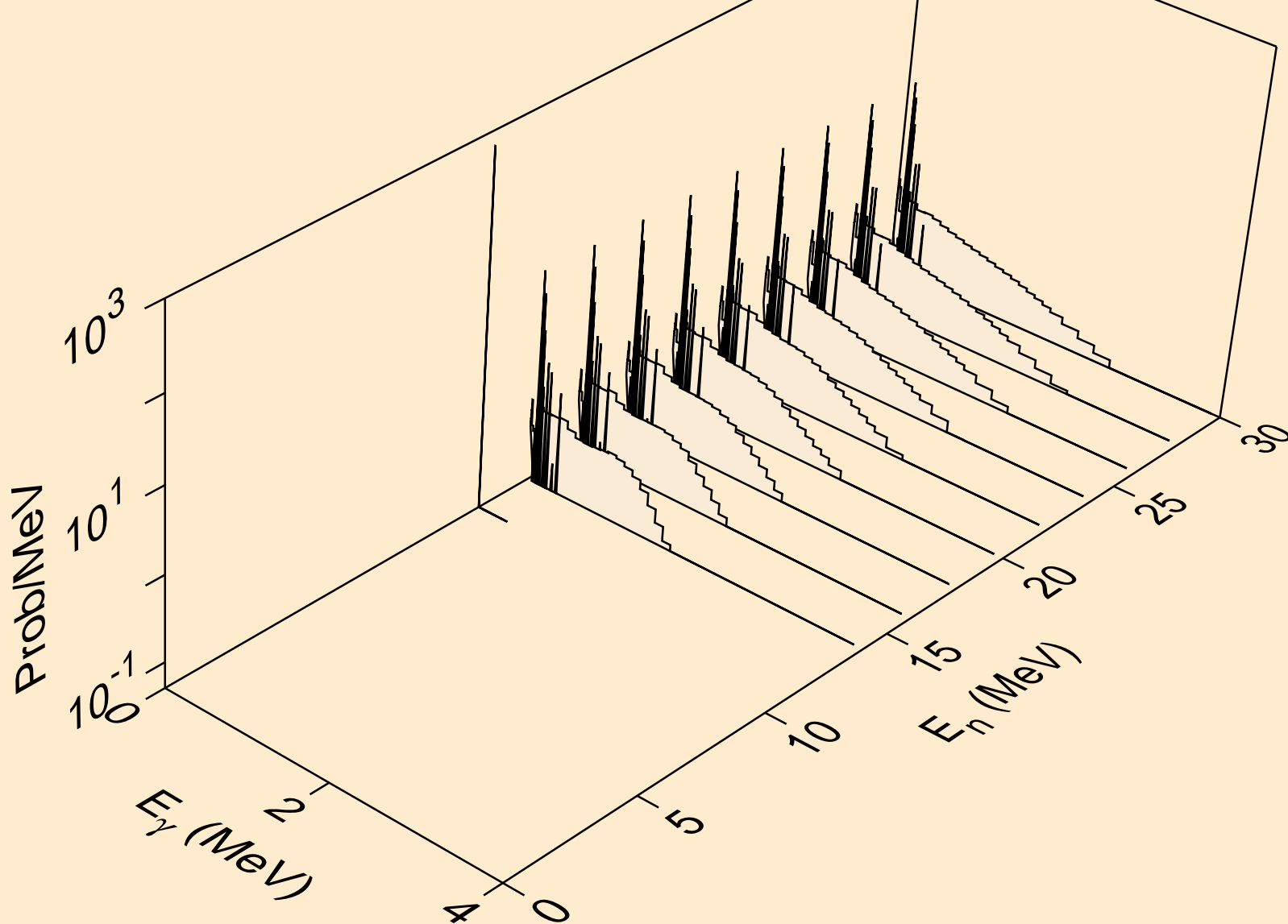
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Photon emission for (n,d)



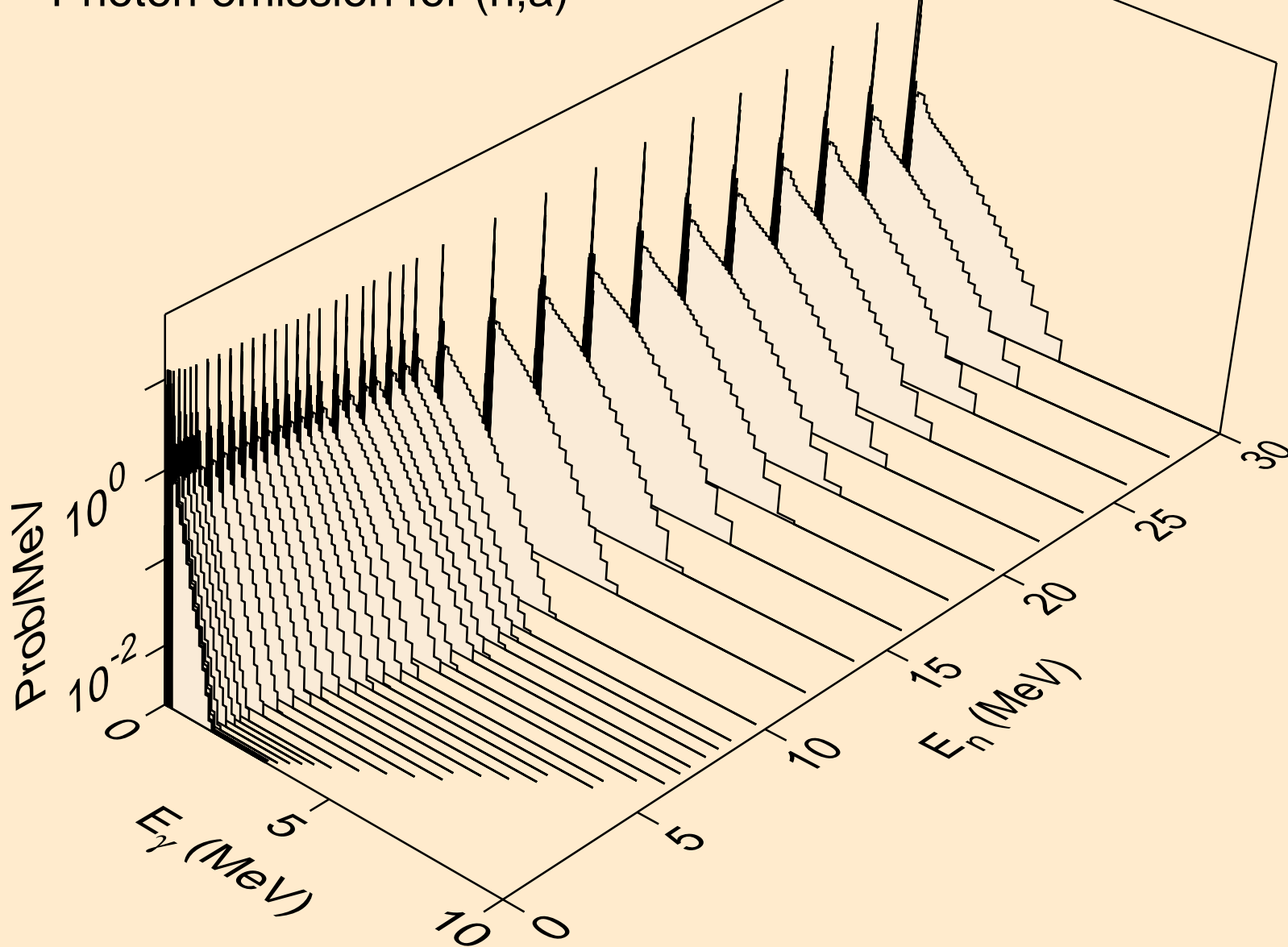
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Photon emission for (n,t)



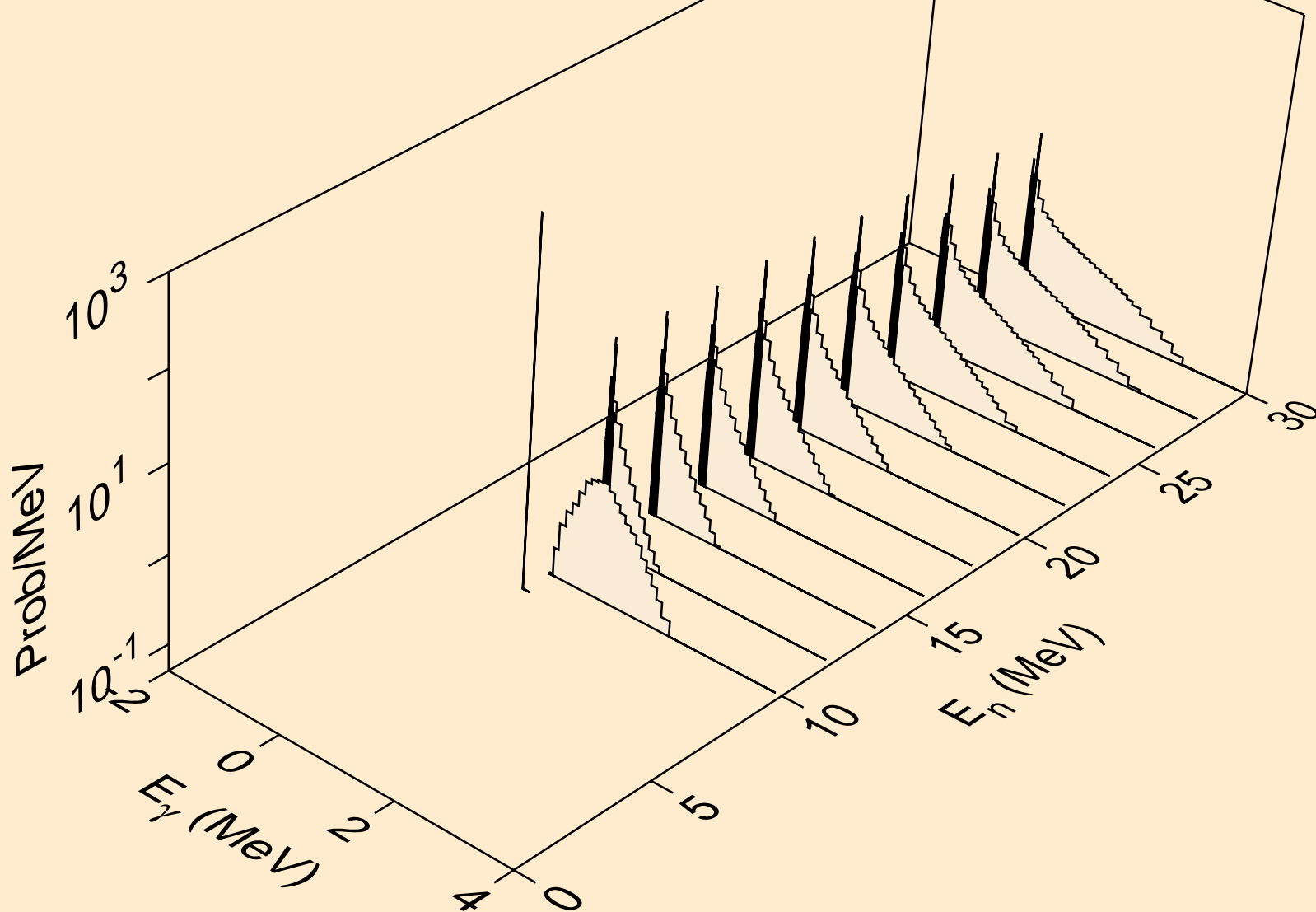
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Photon emission for (n,he3)



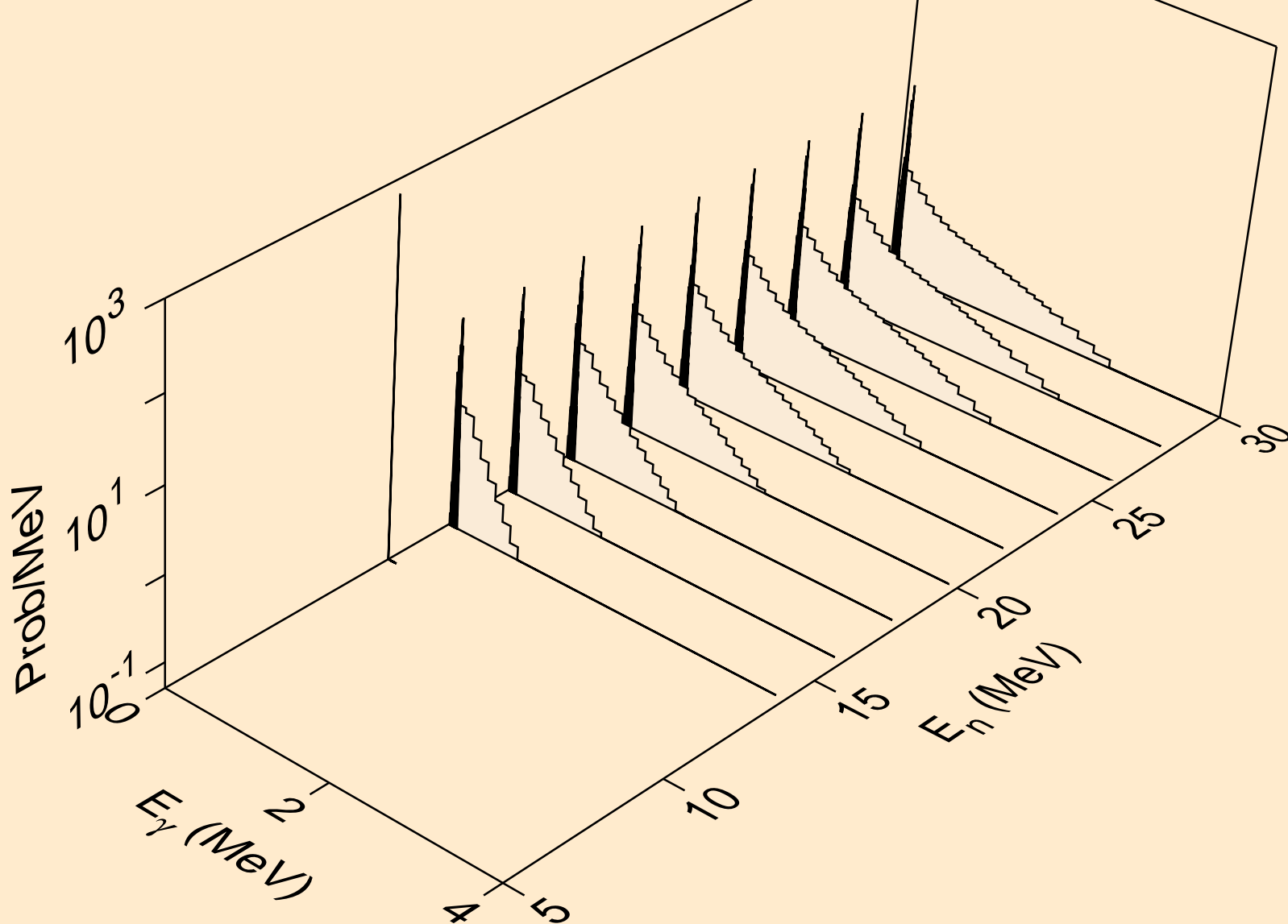
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Photon emission for (n,a)



HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2a)

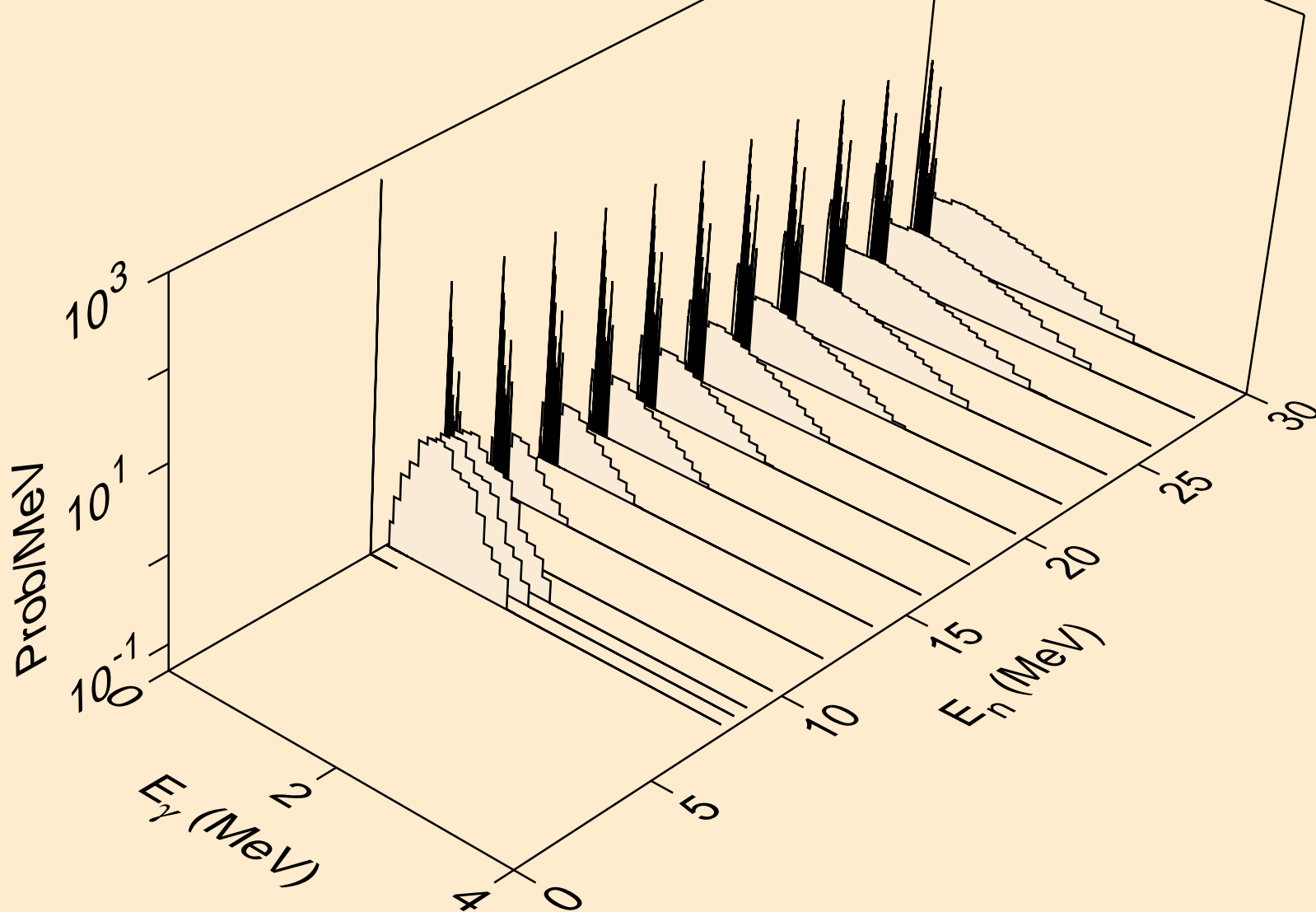


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Photon emission for (n,2p)

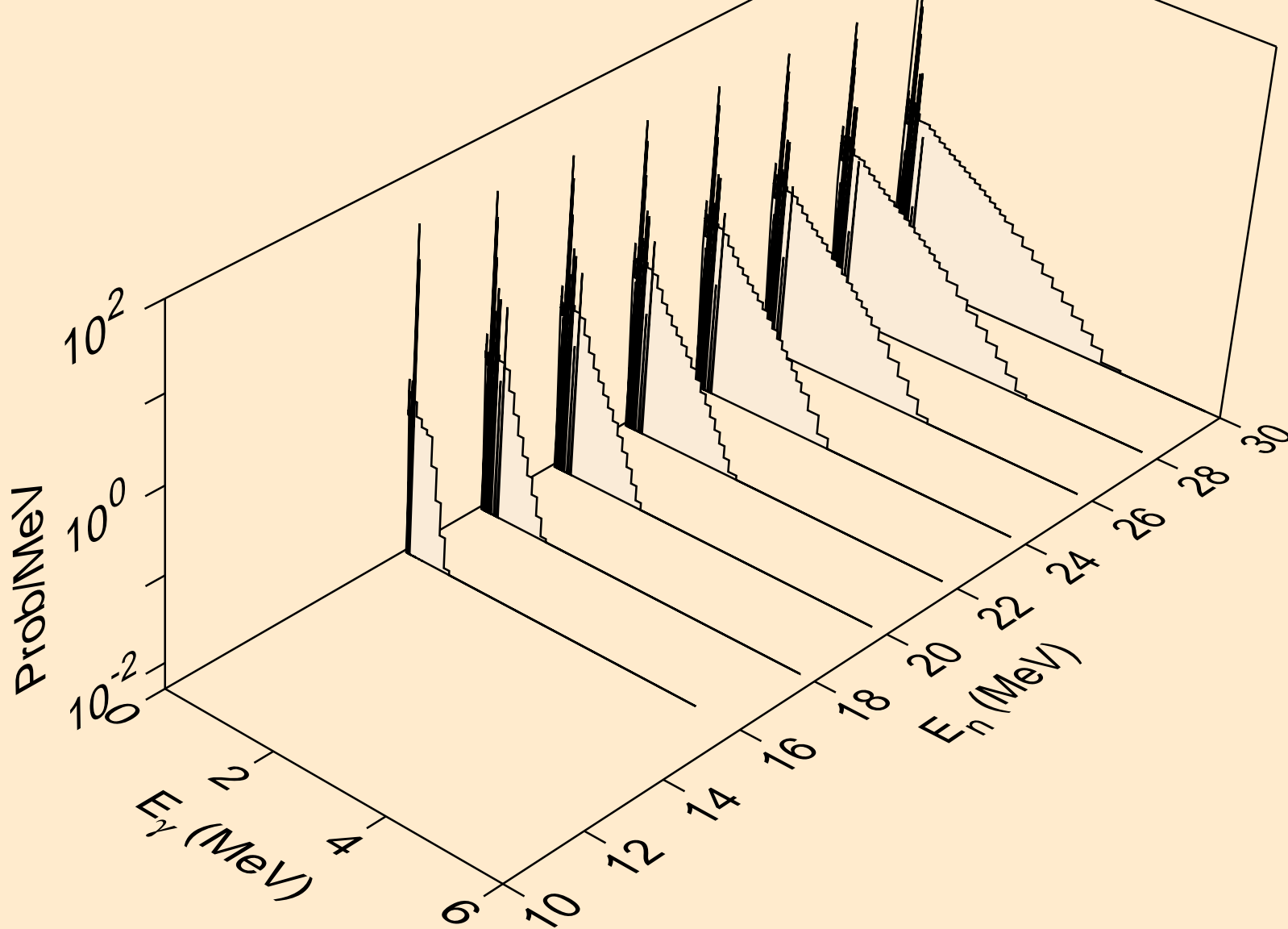




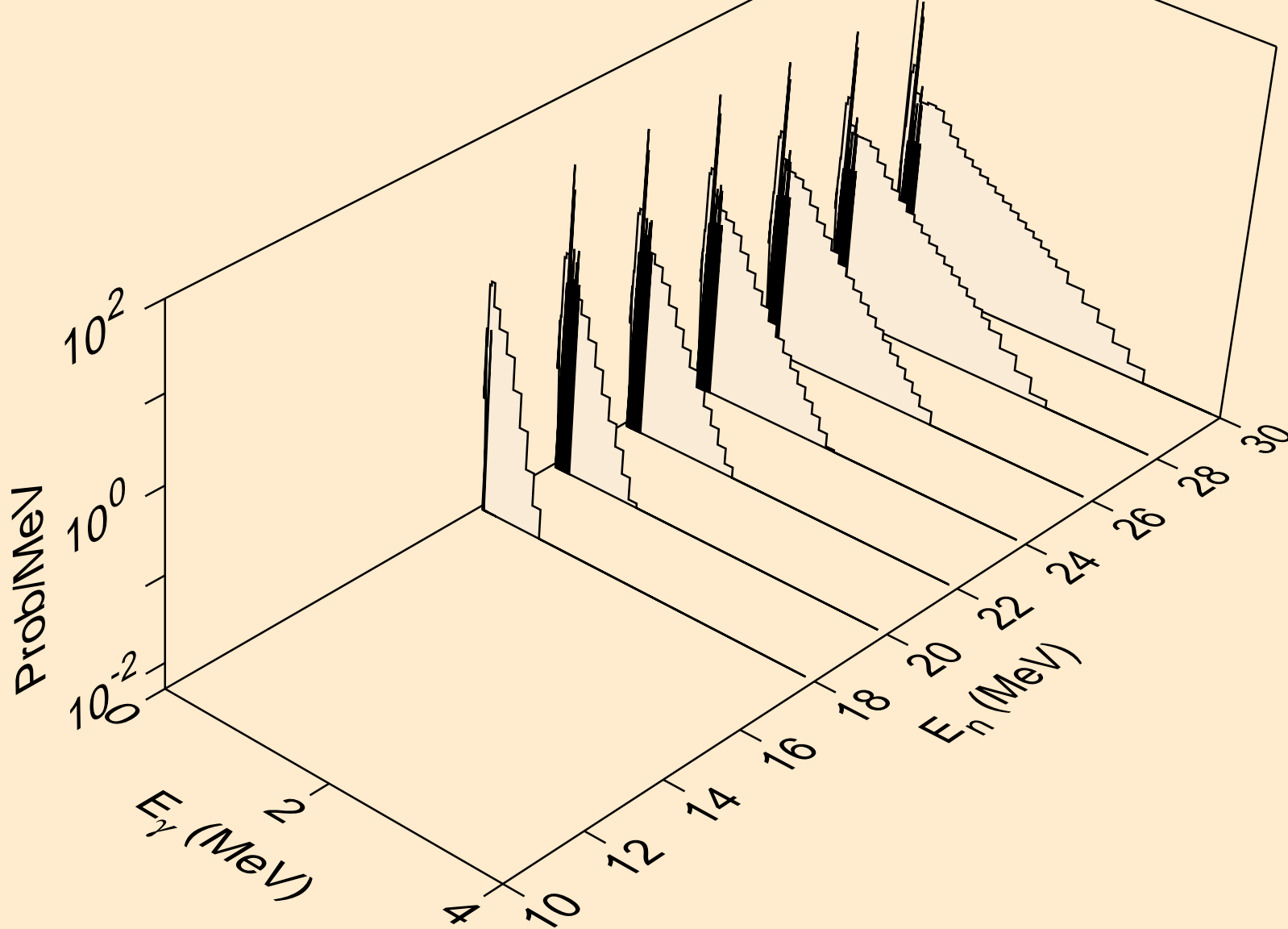
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Photon emission for (n,p $\alpha$ )



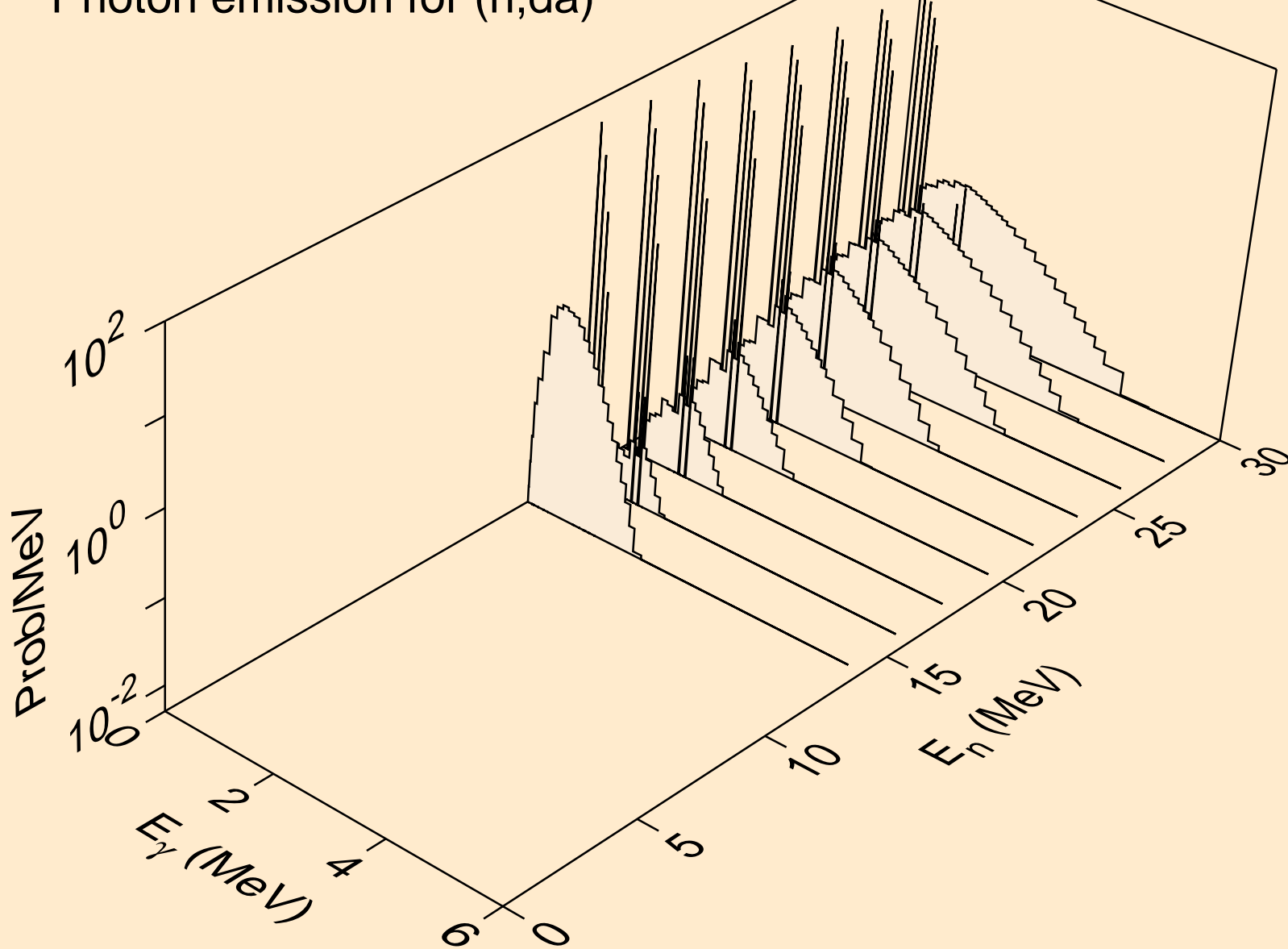
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Photon emission for (n,pd)



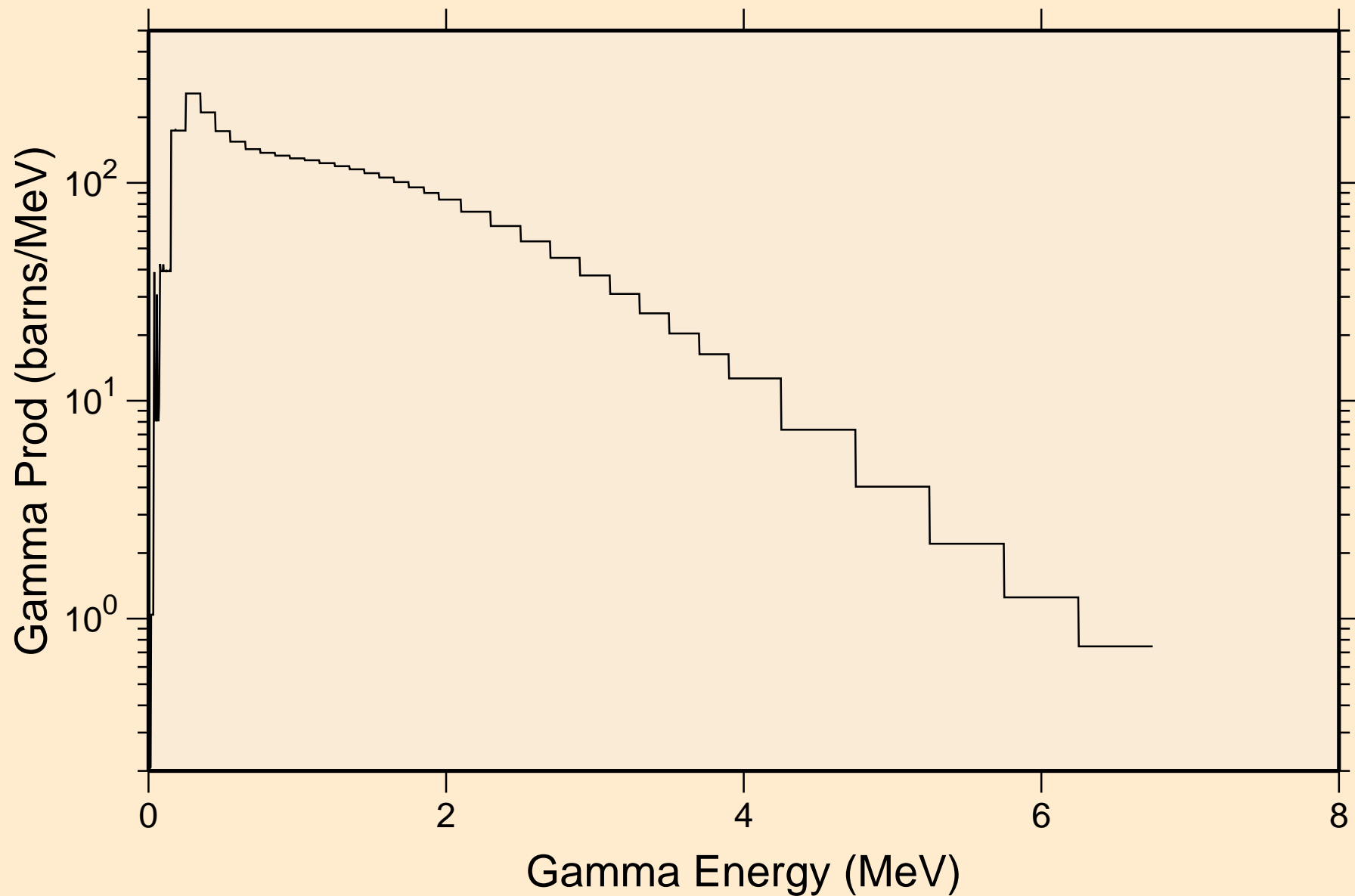
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Photon emission for (n,pt)



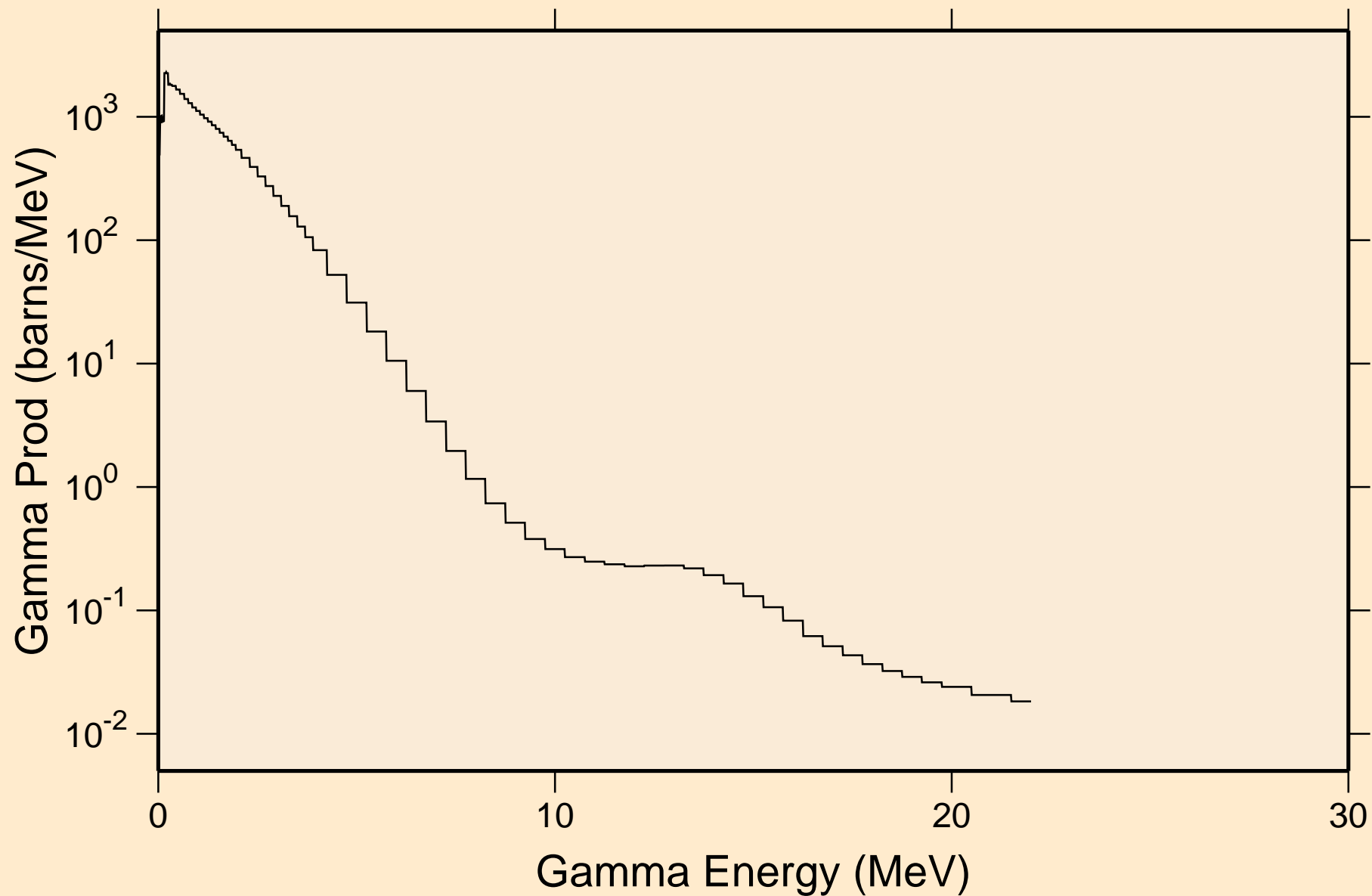
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Photon emission for (n,da)



HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

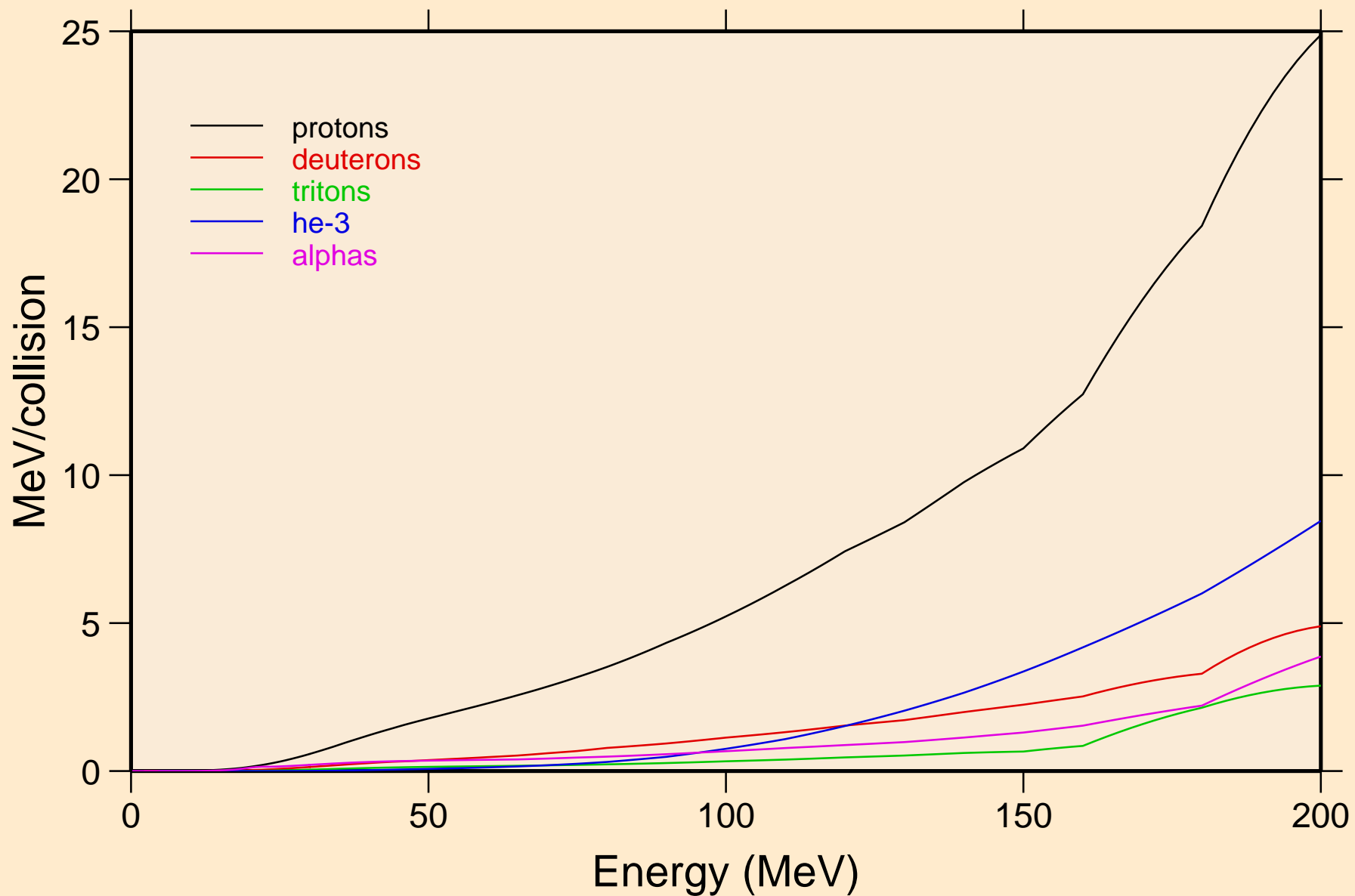


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14 MeV photon spectrum

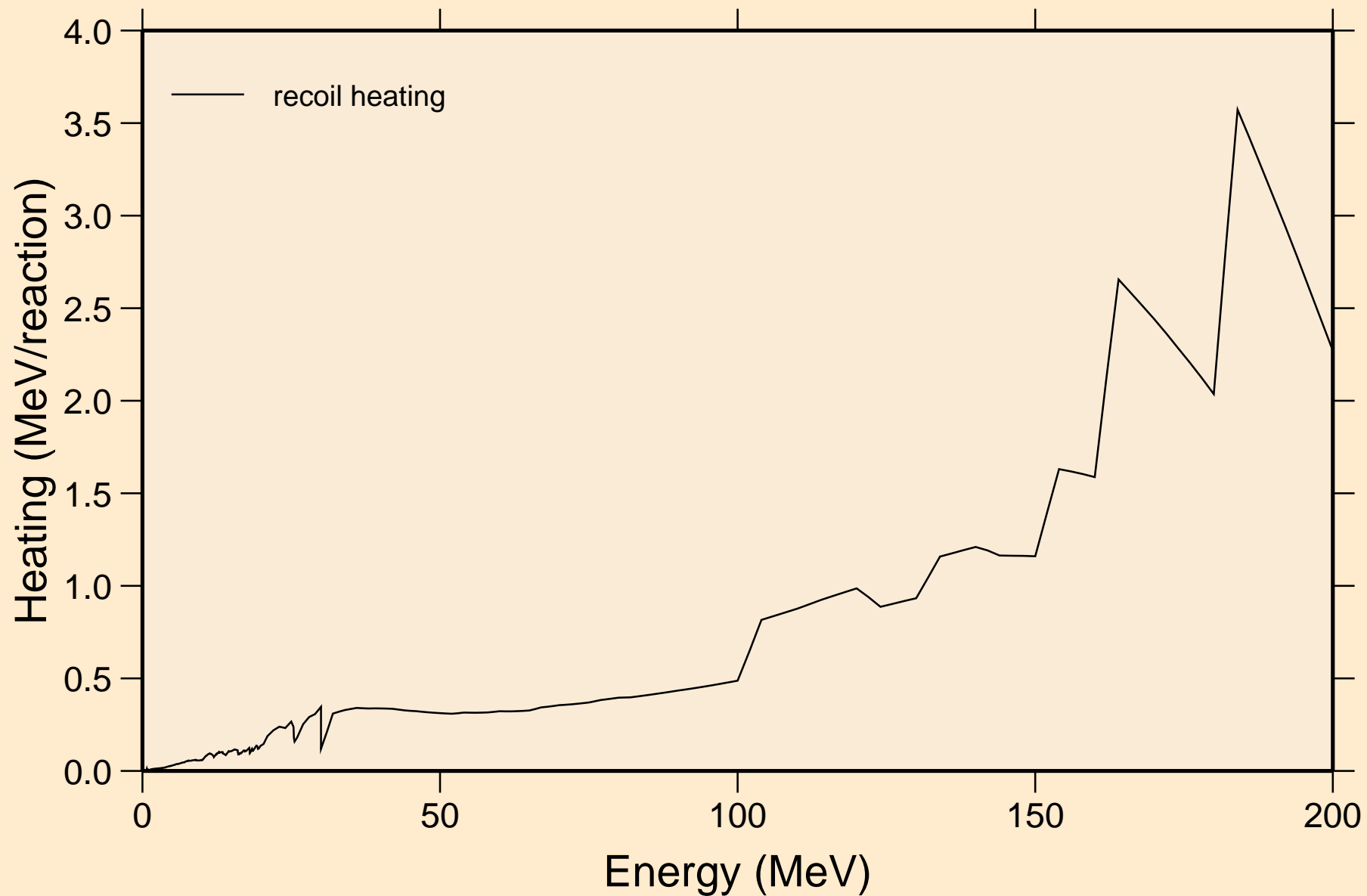


# HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Particle heating contributions

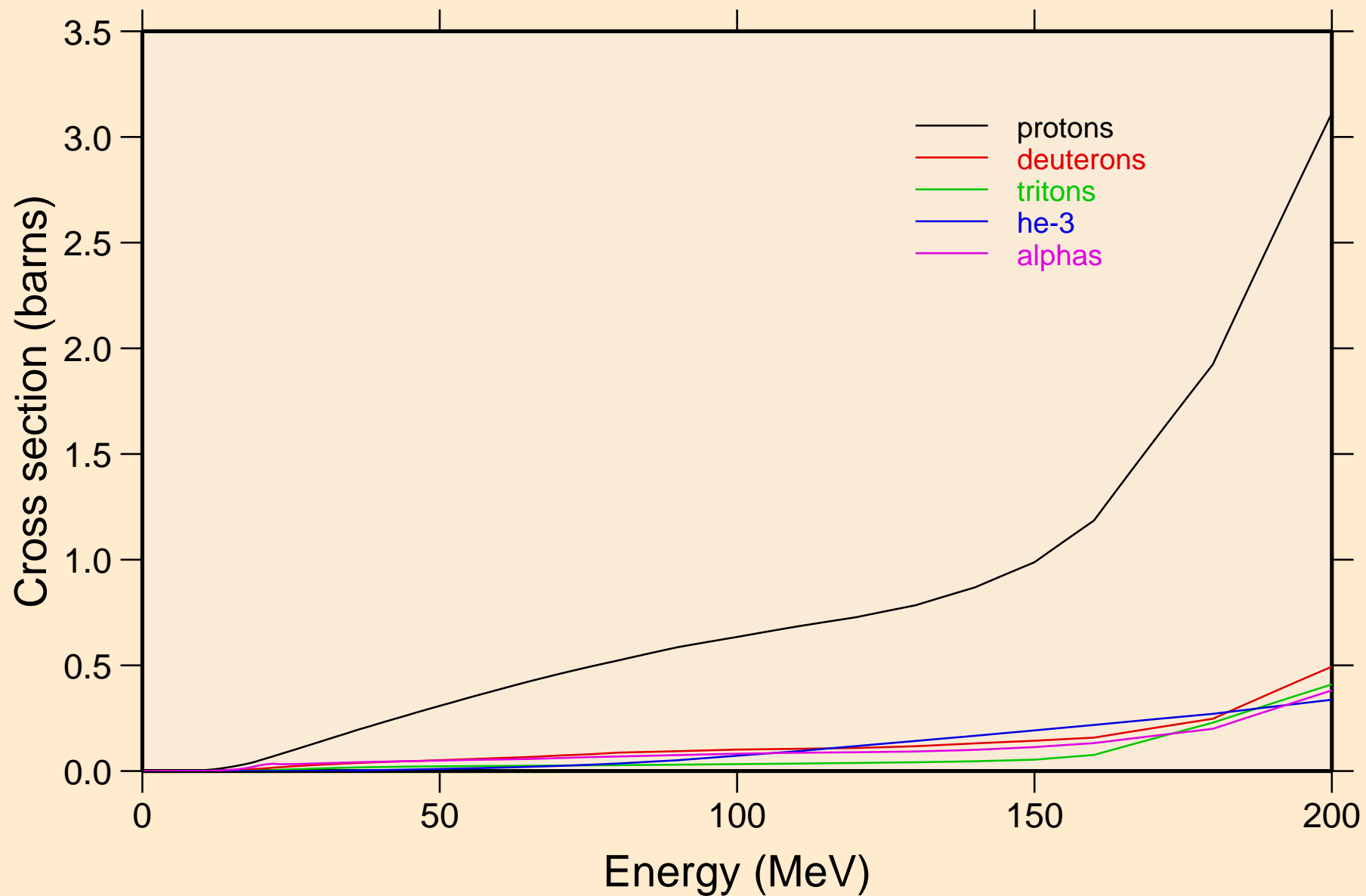


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Recoil Heating

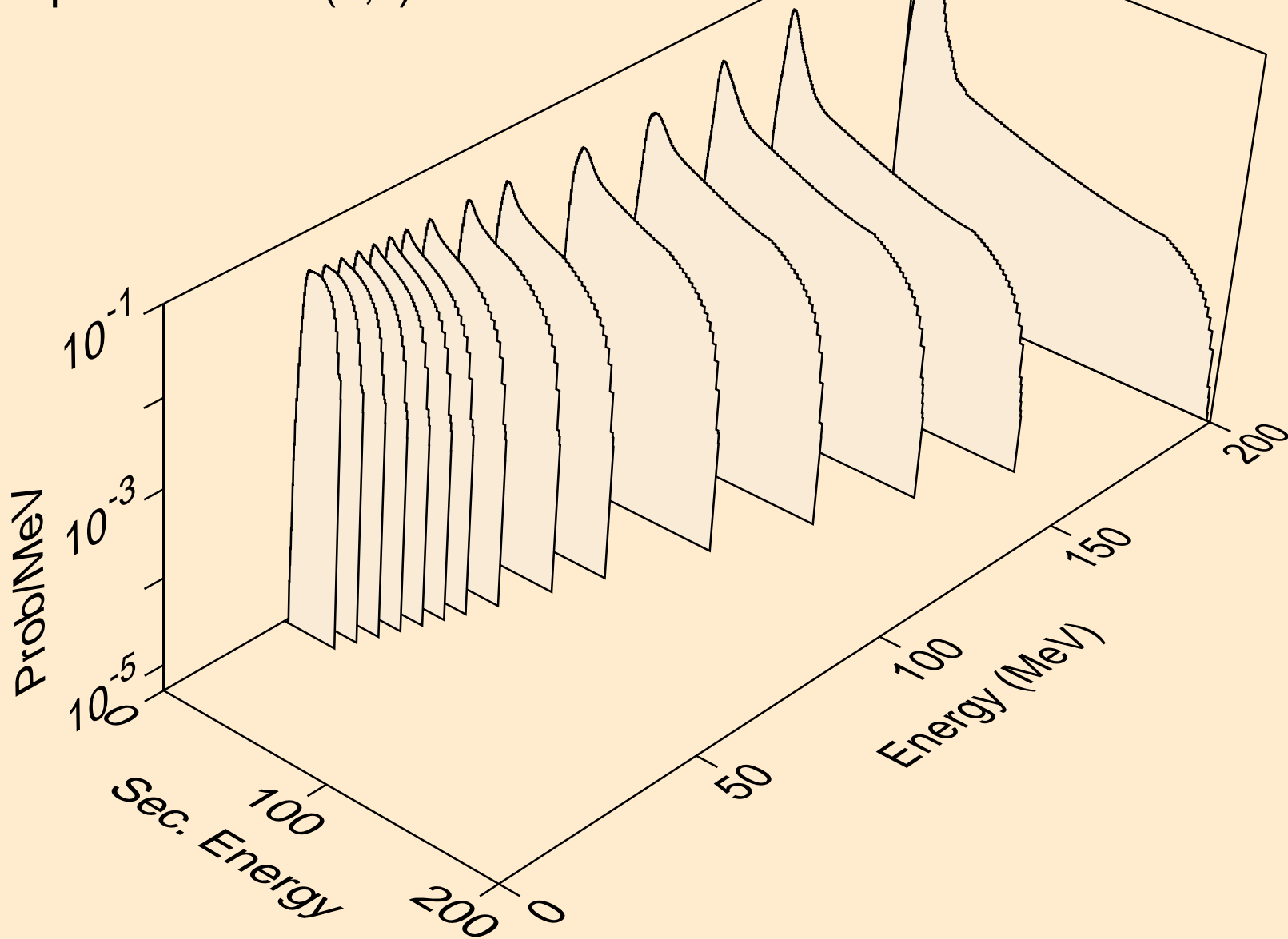




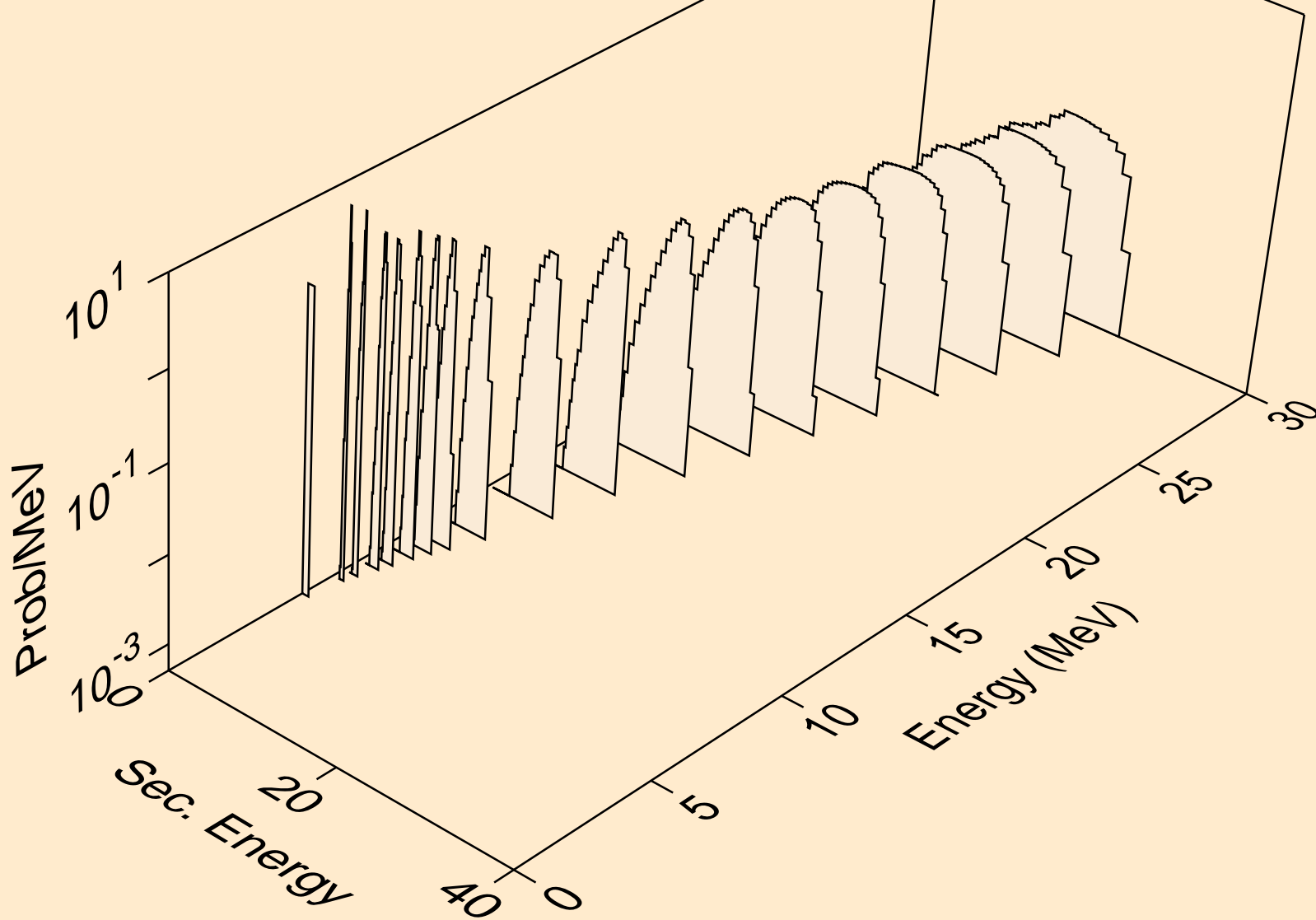
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Particle production cross sections



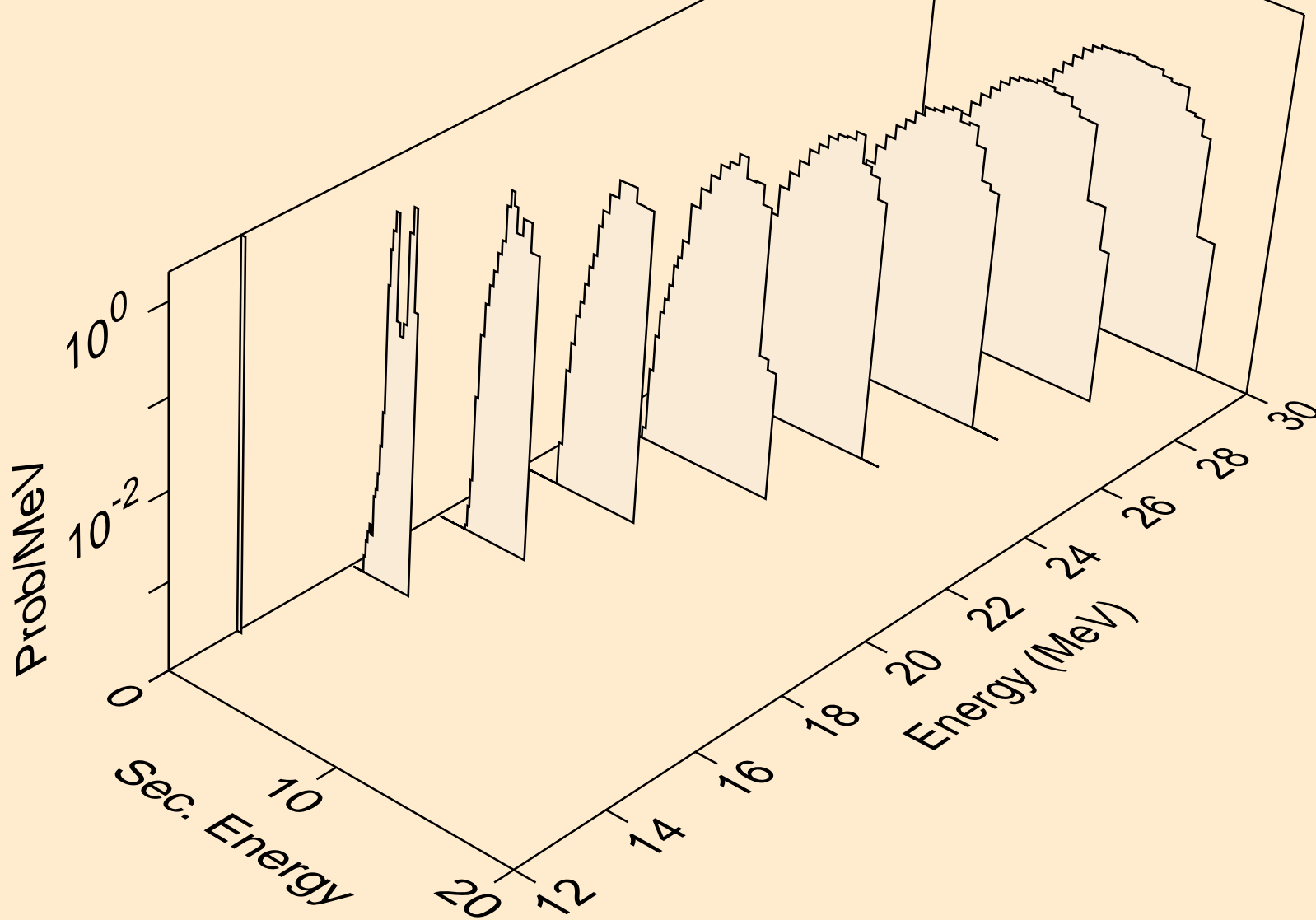
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protons from (n,x)



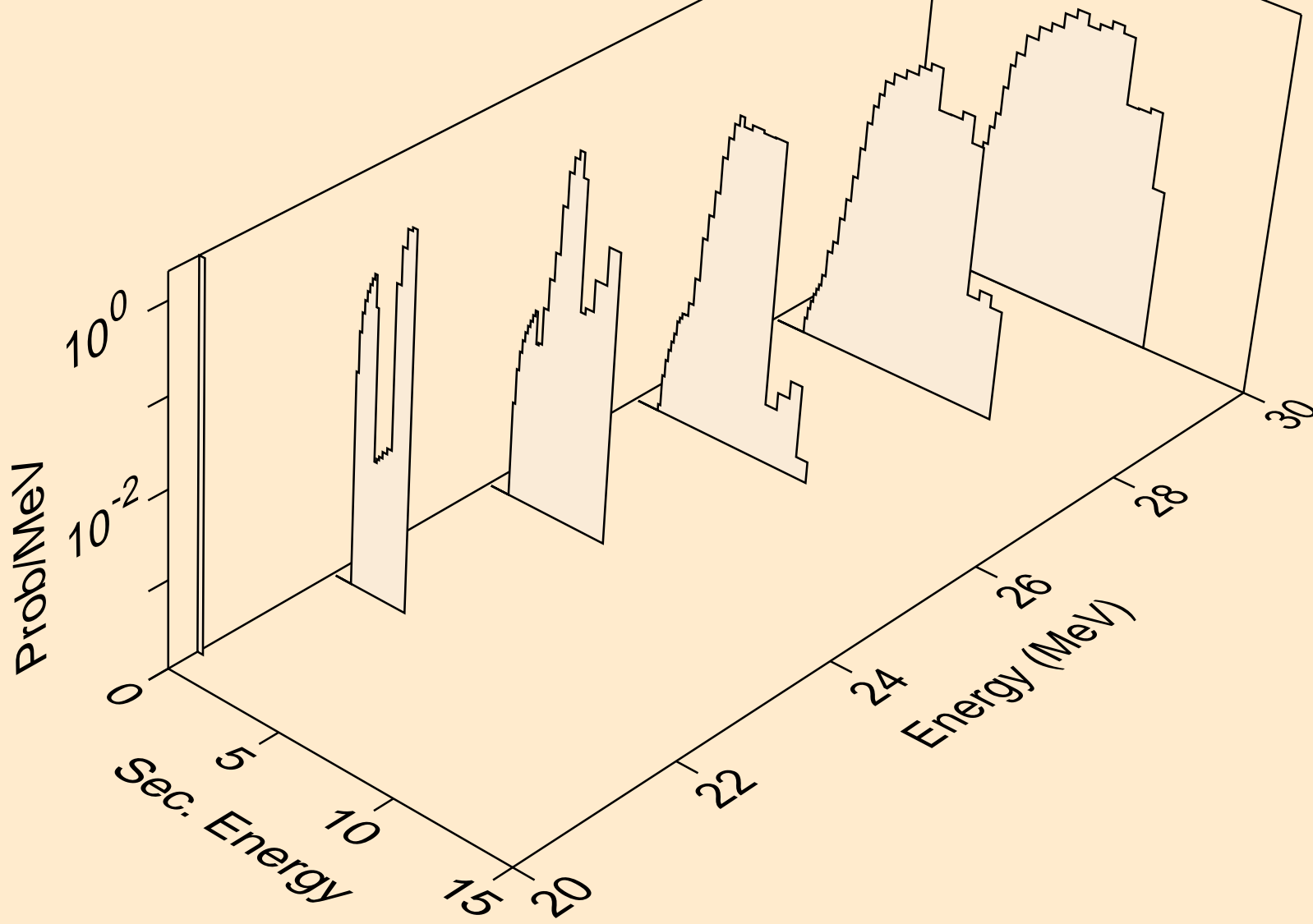
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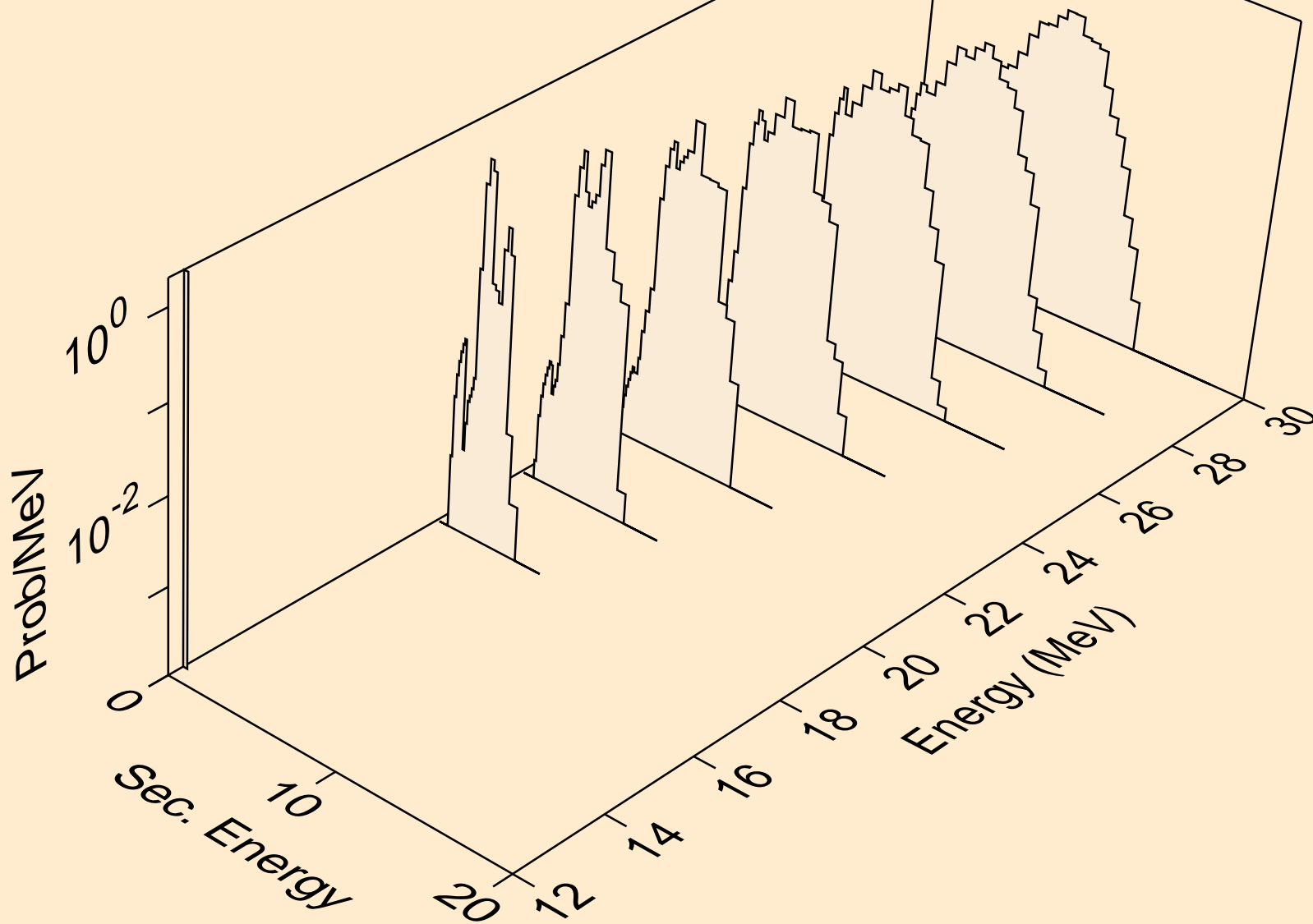
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protons from (n,2np)



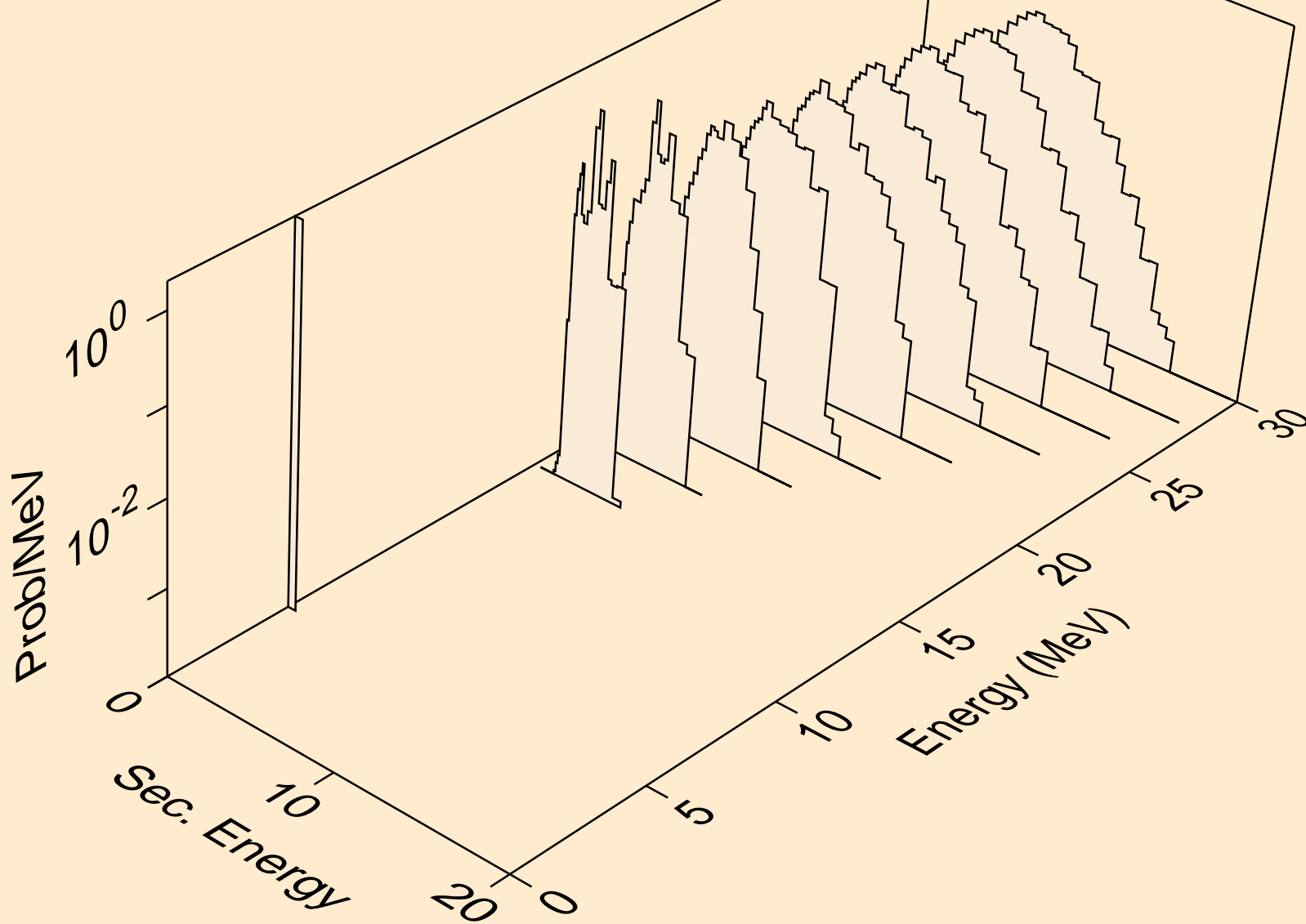
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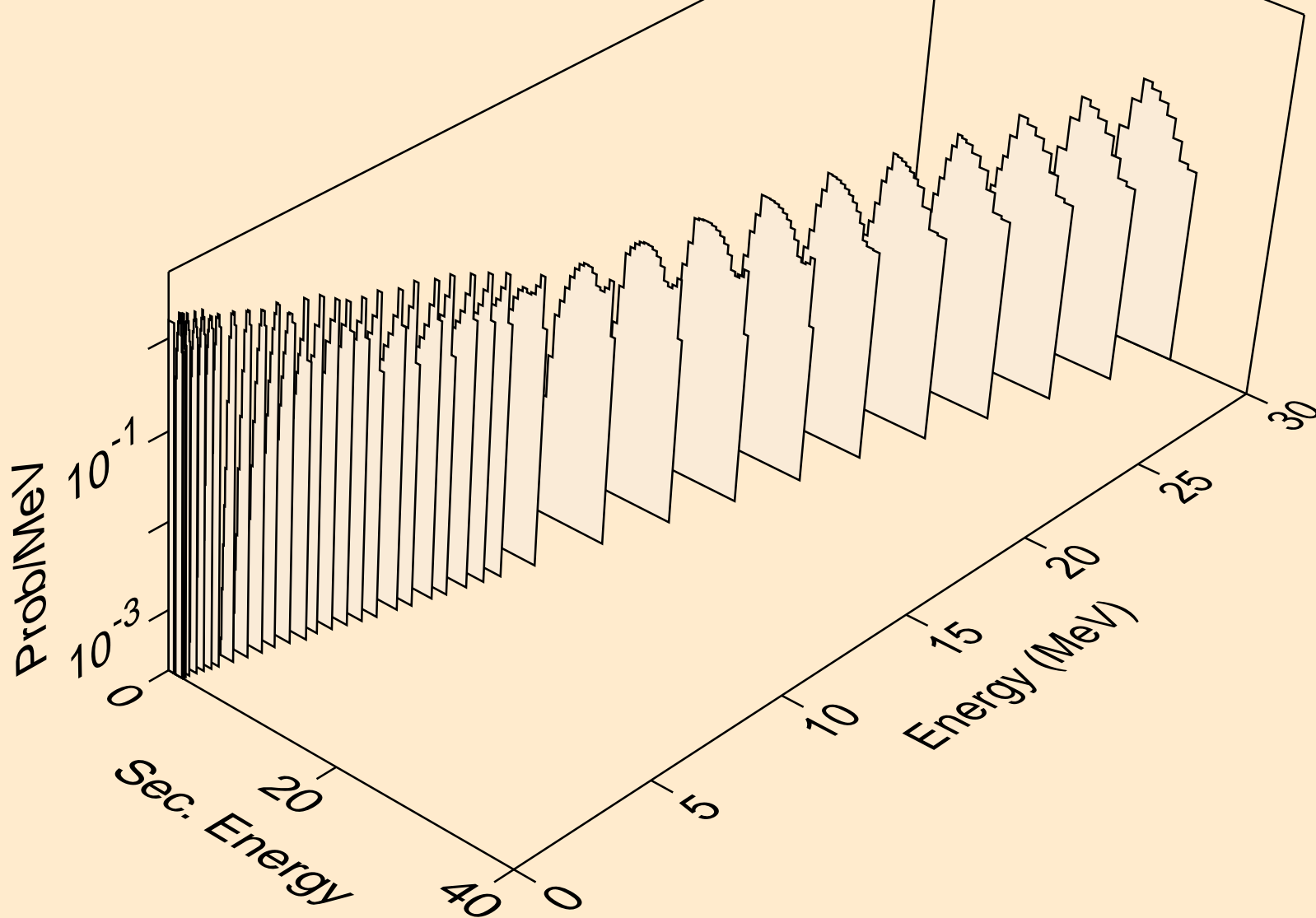
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protons from (n,2np)



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protons from (n,npa)

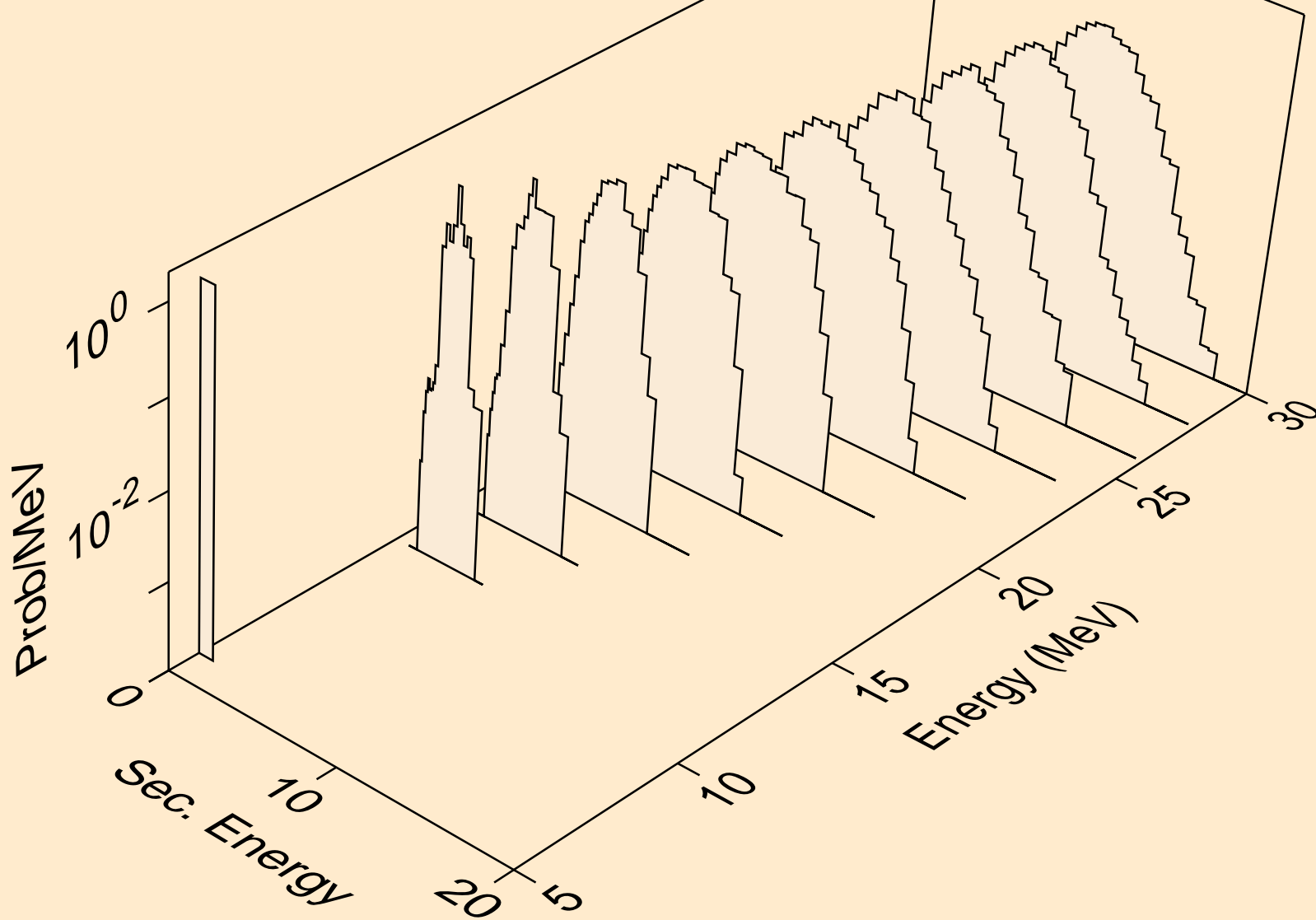


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protons from (n,p)

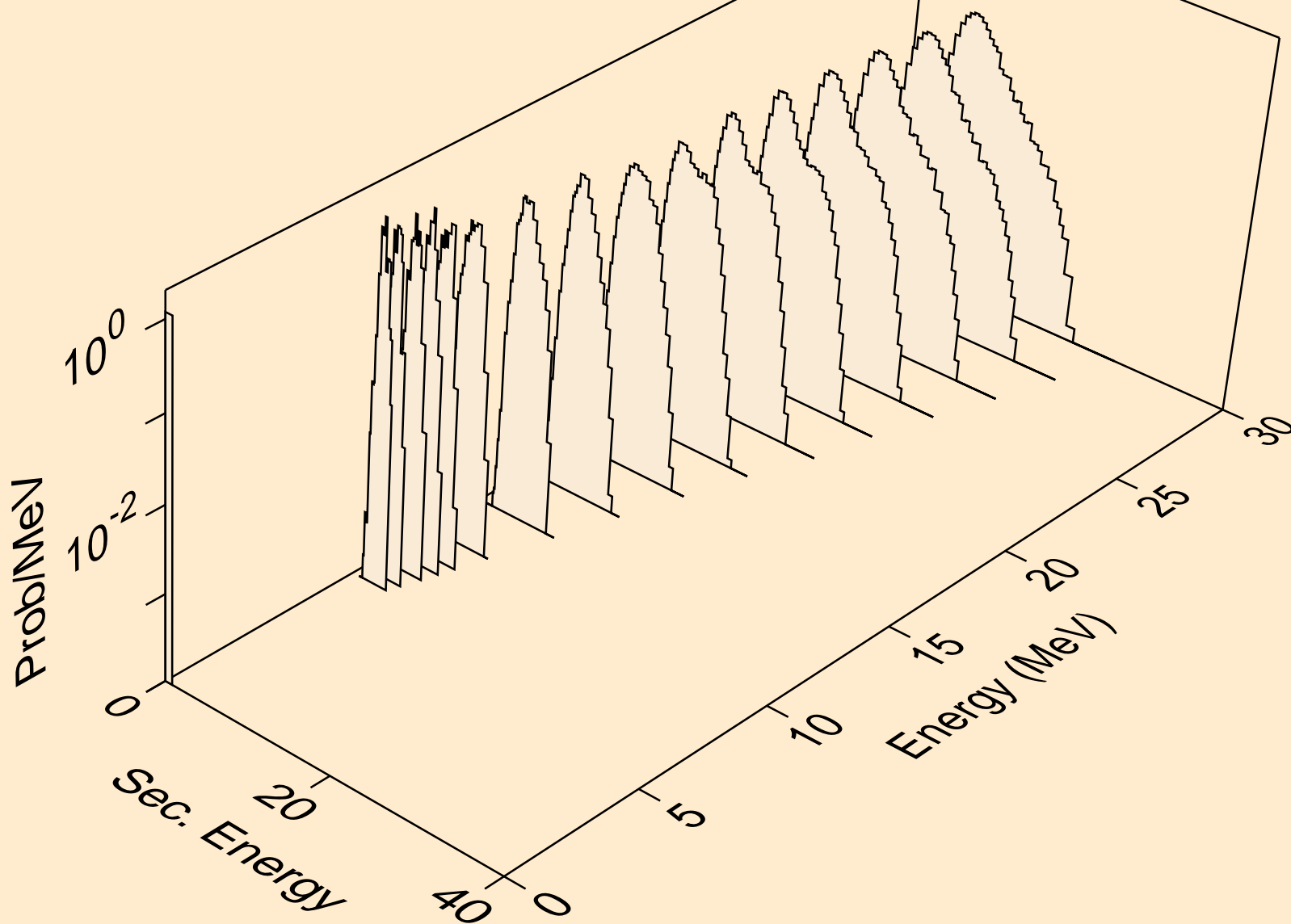




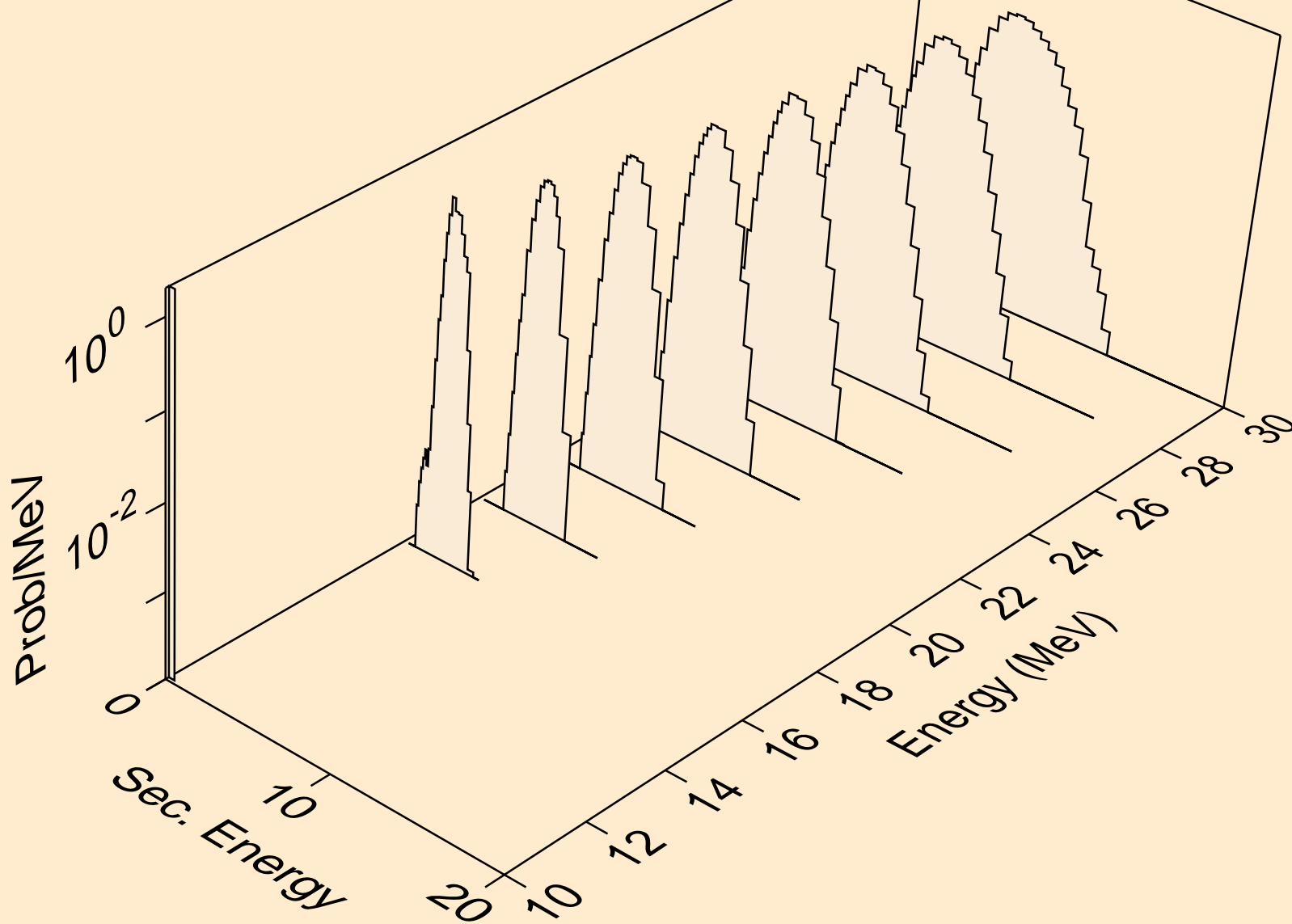
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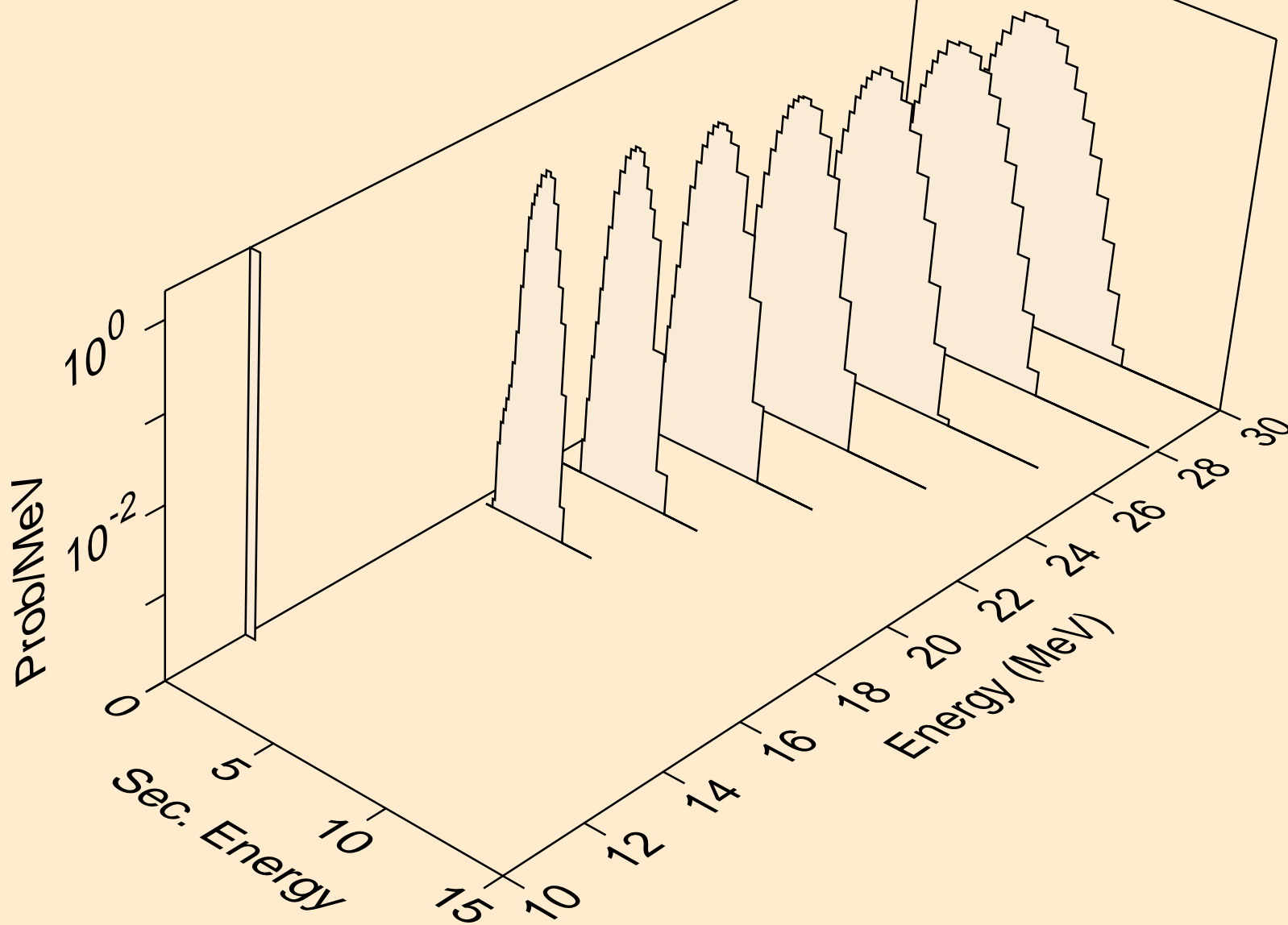
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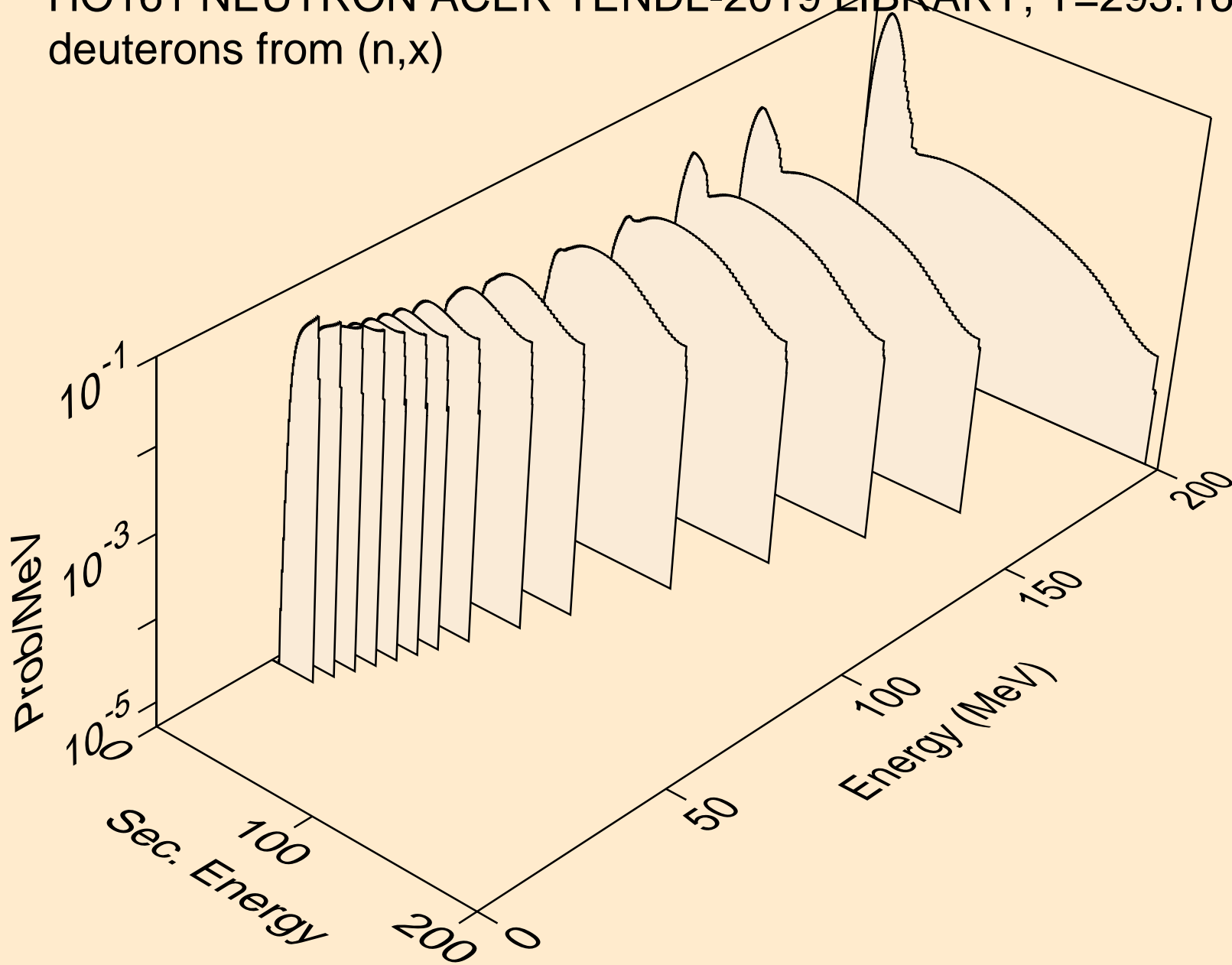
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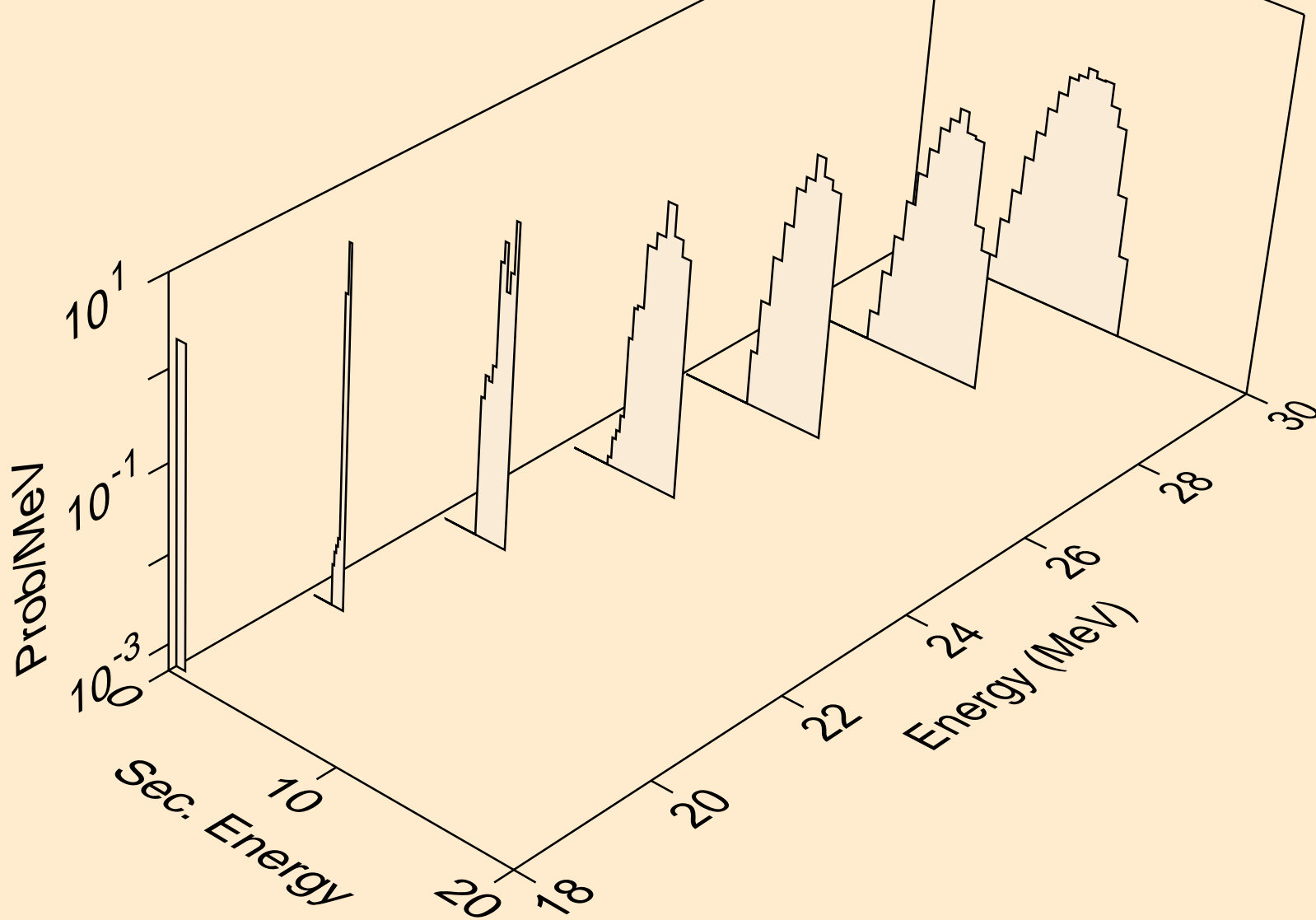
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protons from (n,pt)



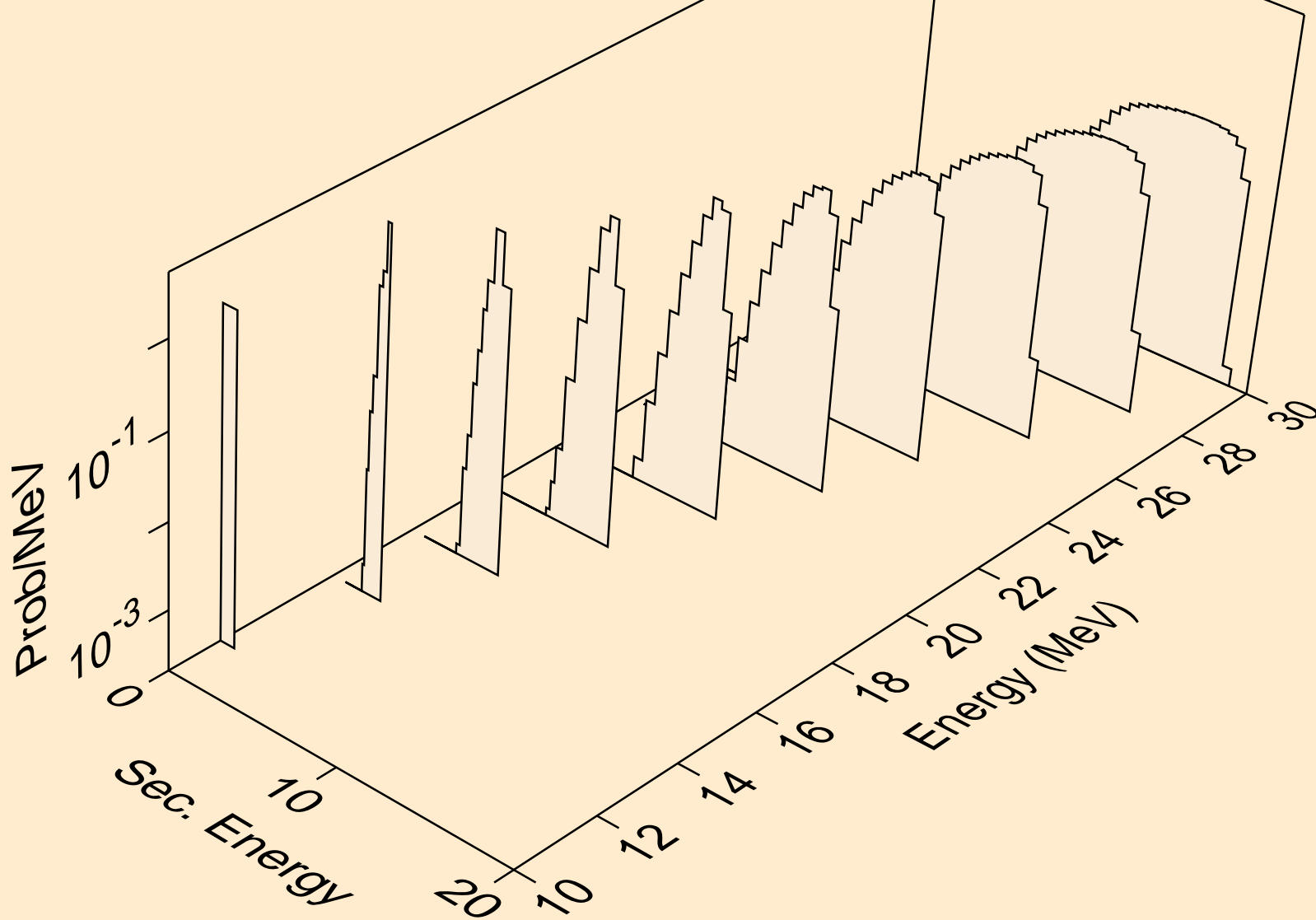
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deuterons from (n,x)



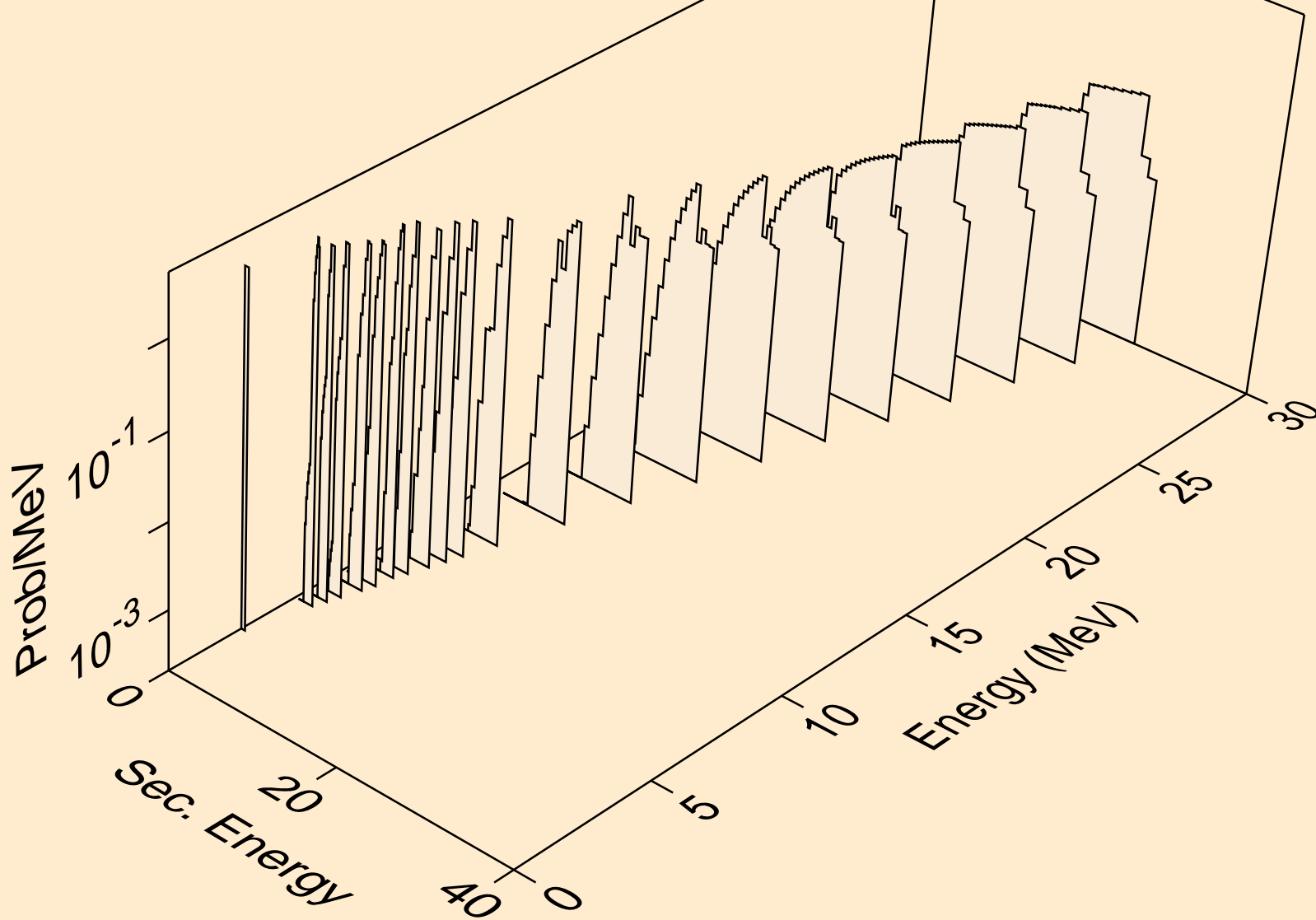
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HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
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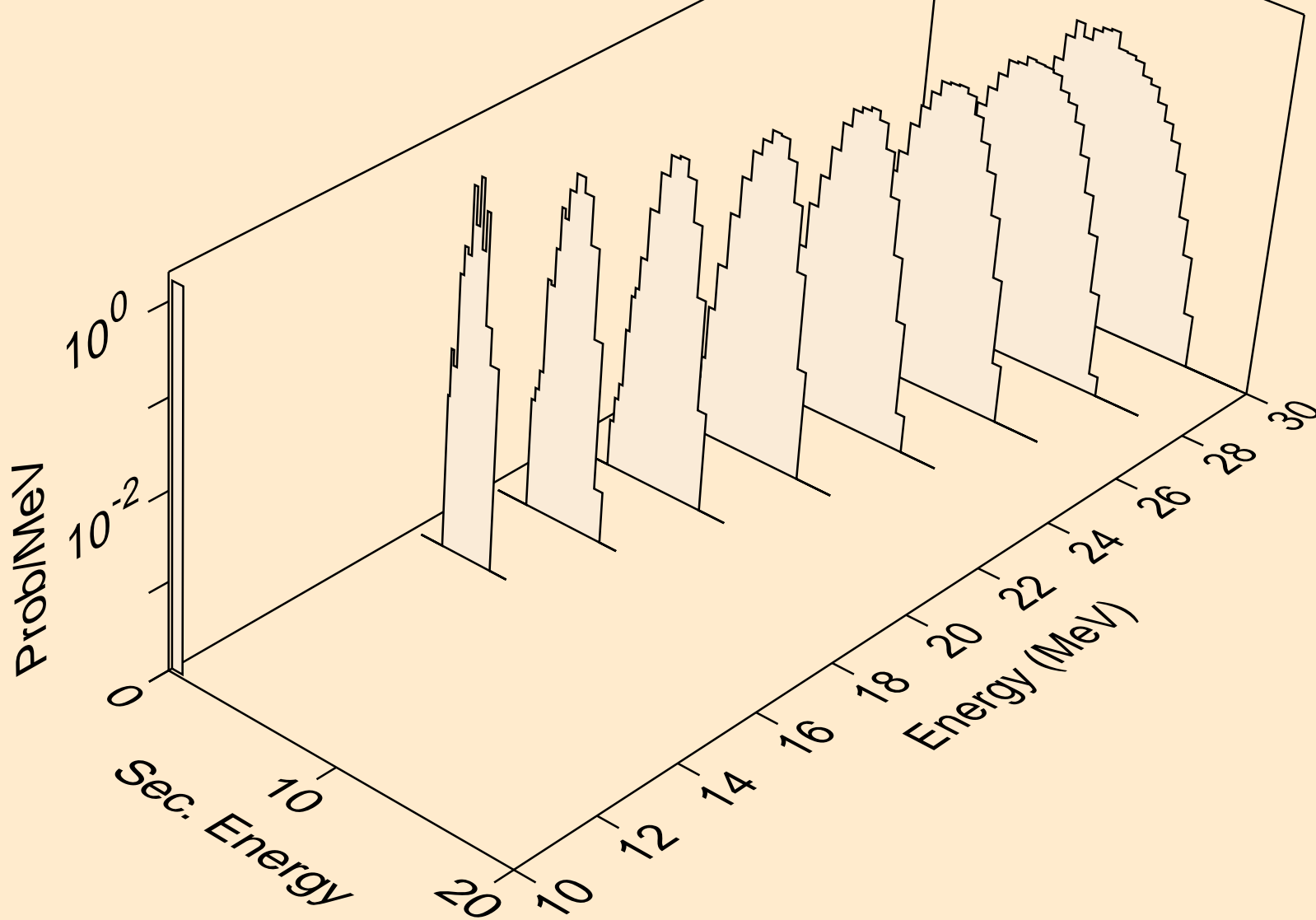


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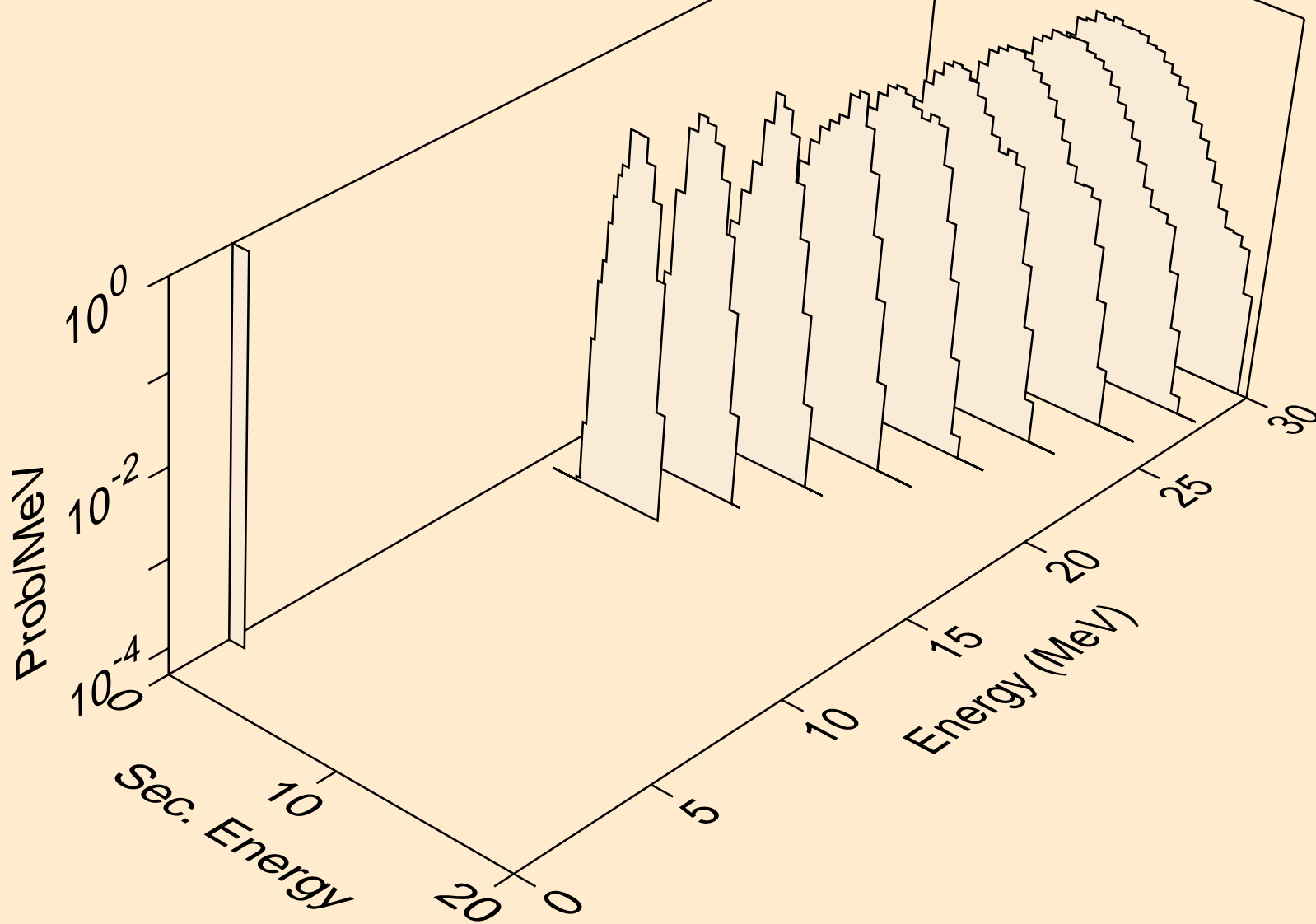




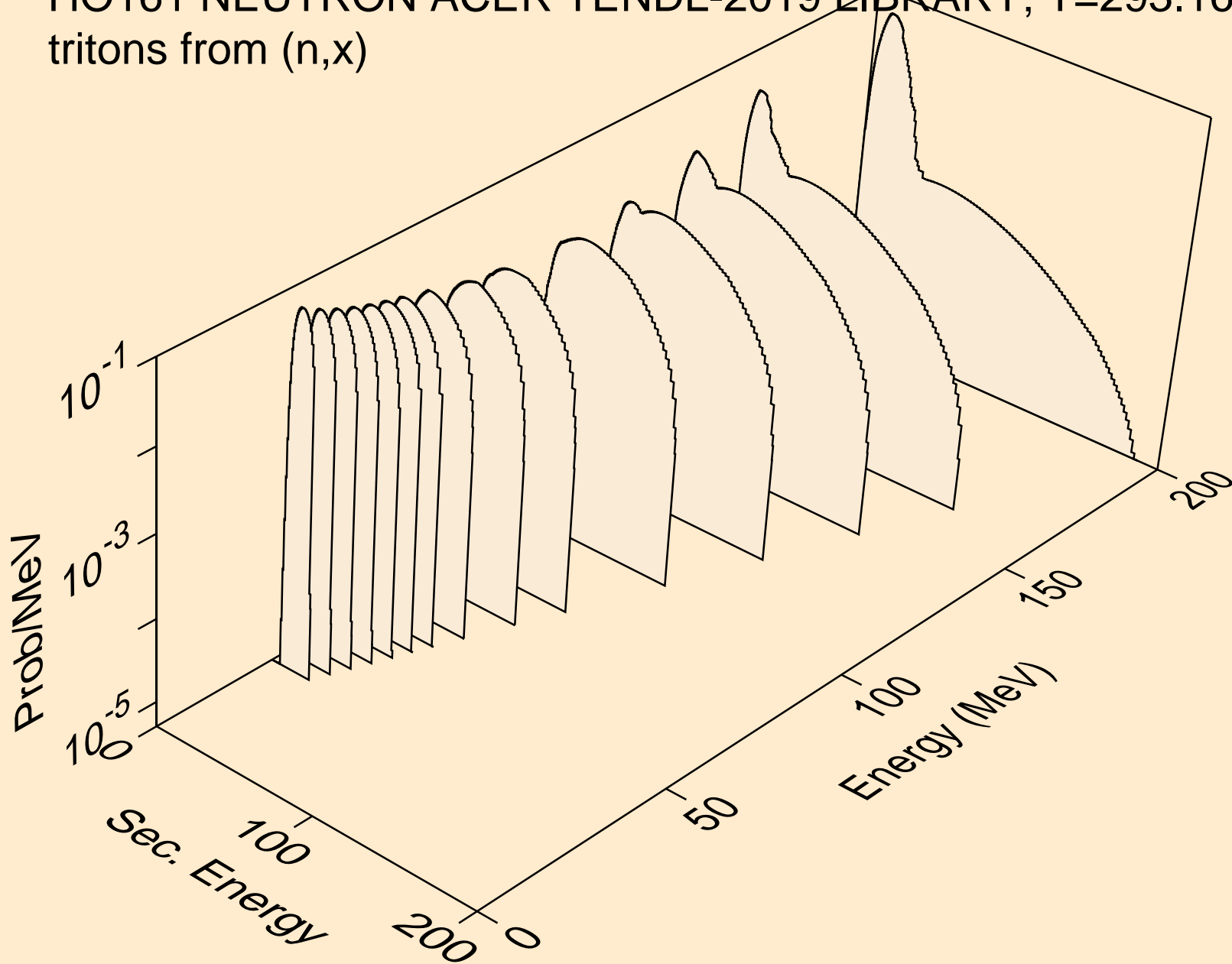
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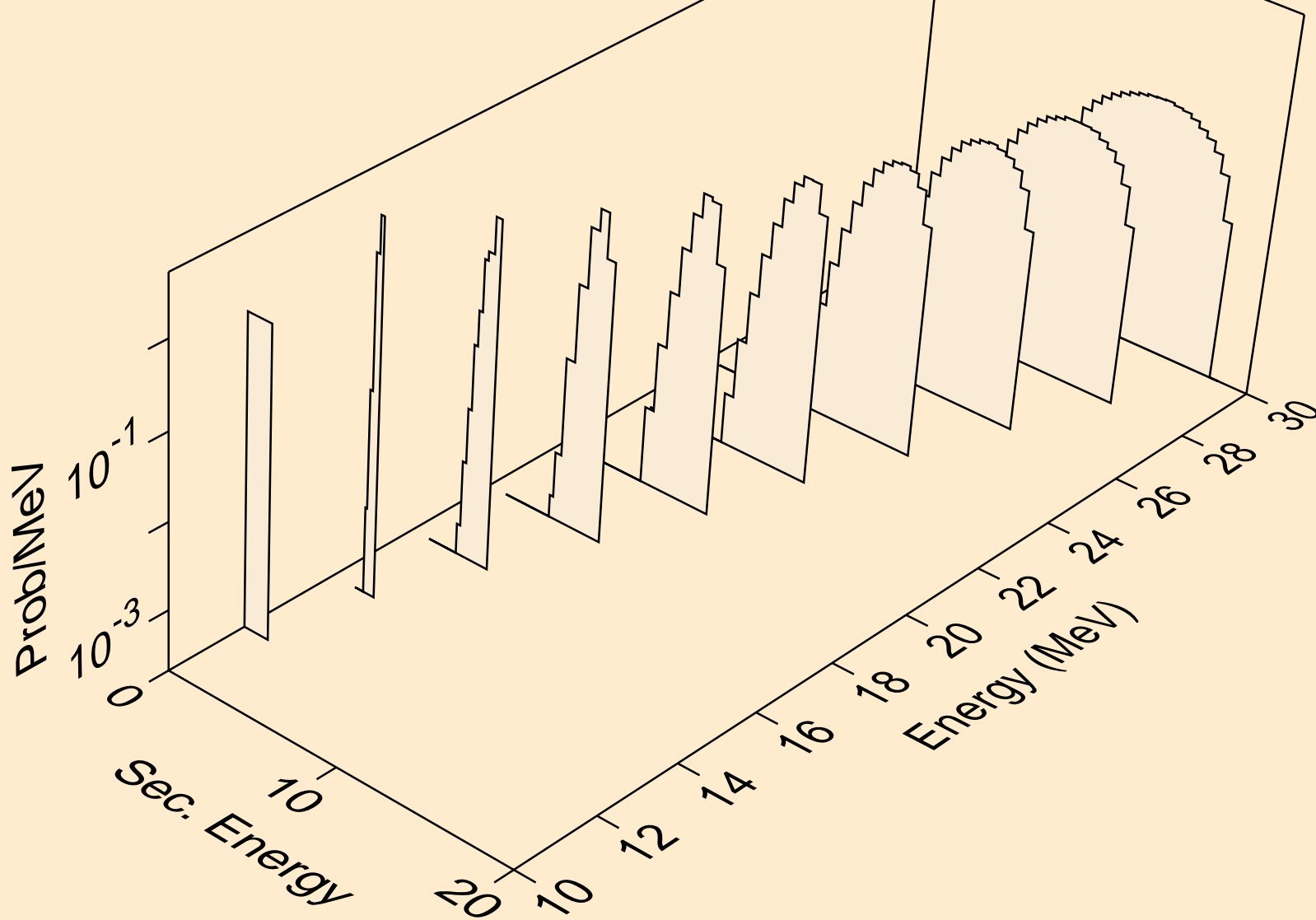
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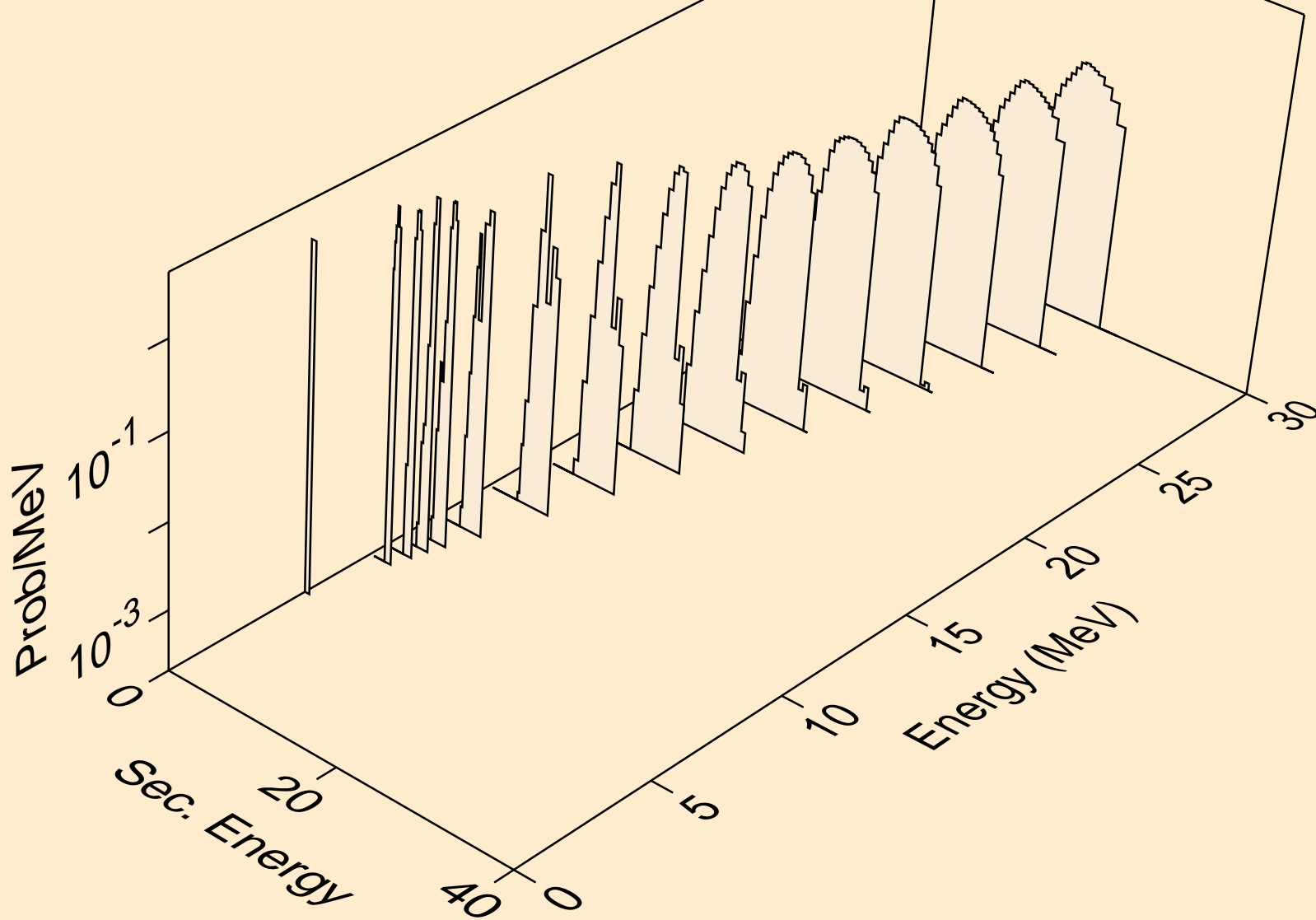
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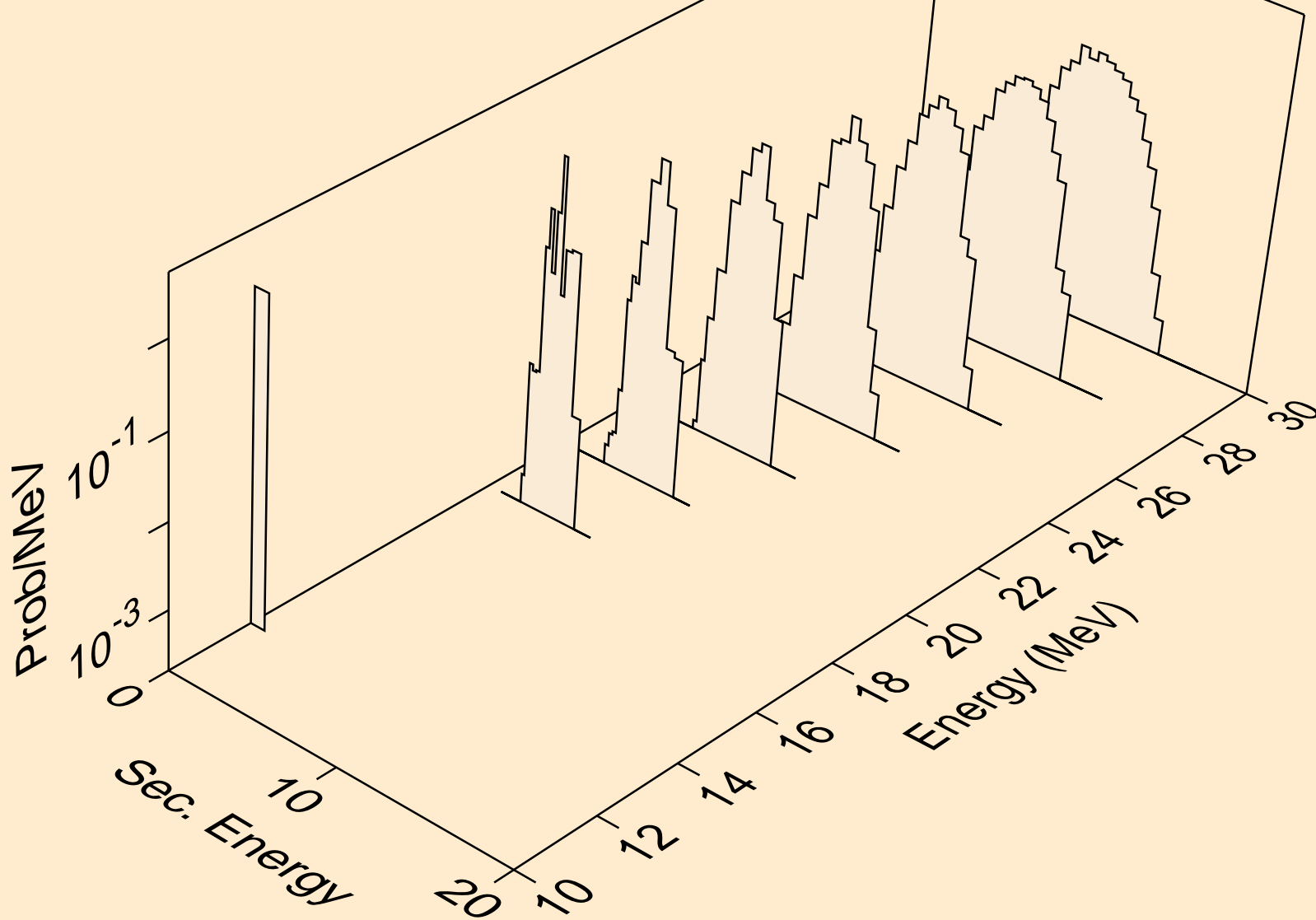
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tritons from (n,n\*)t



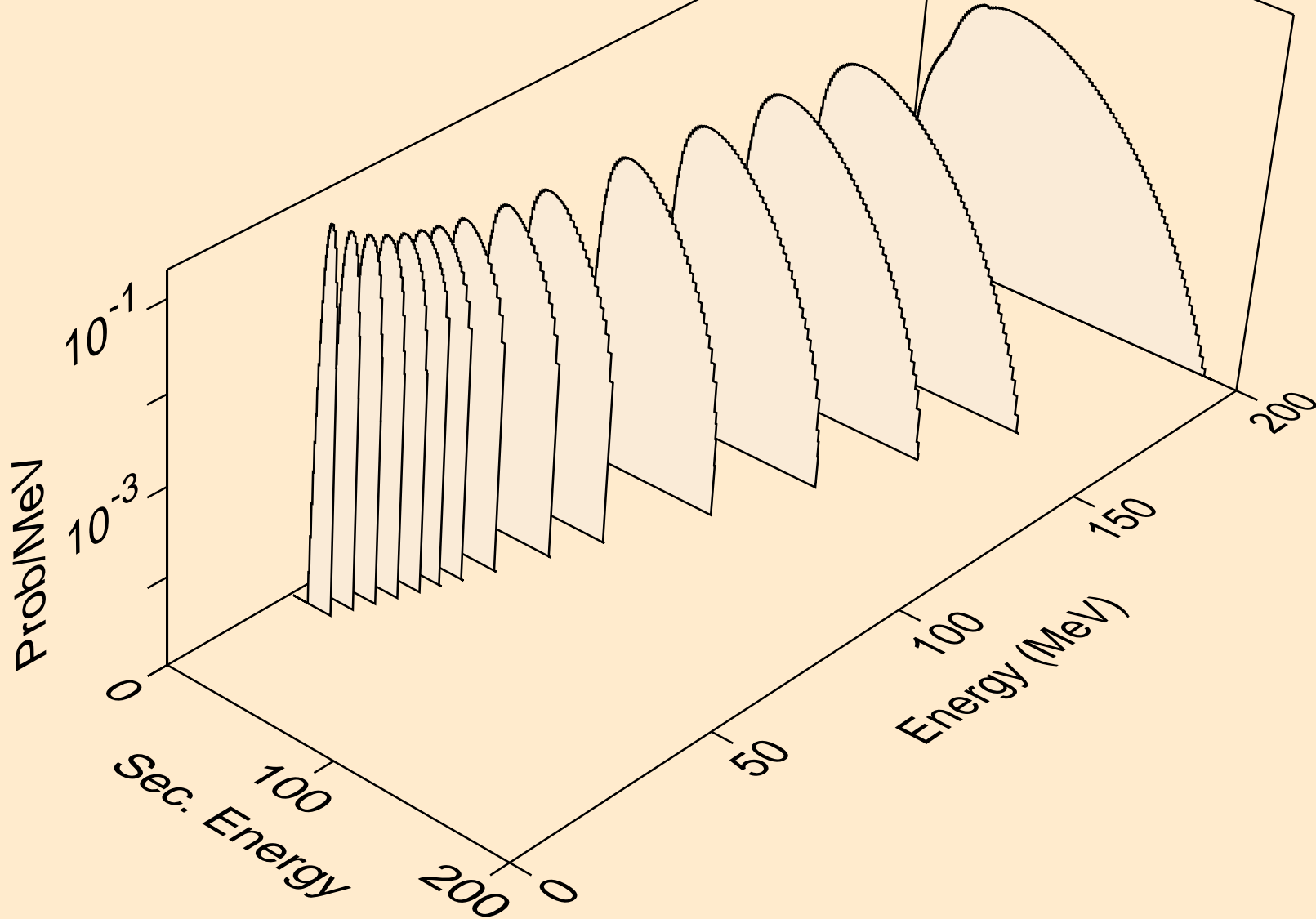
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tritons from (n,t)



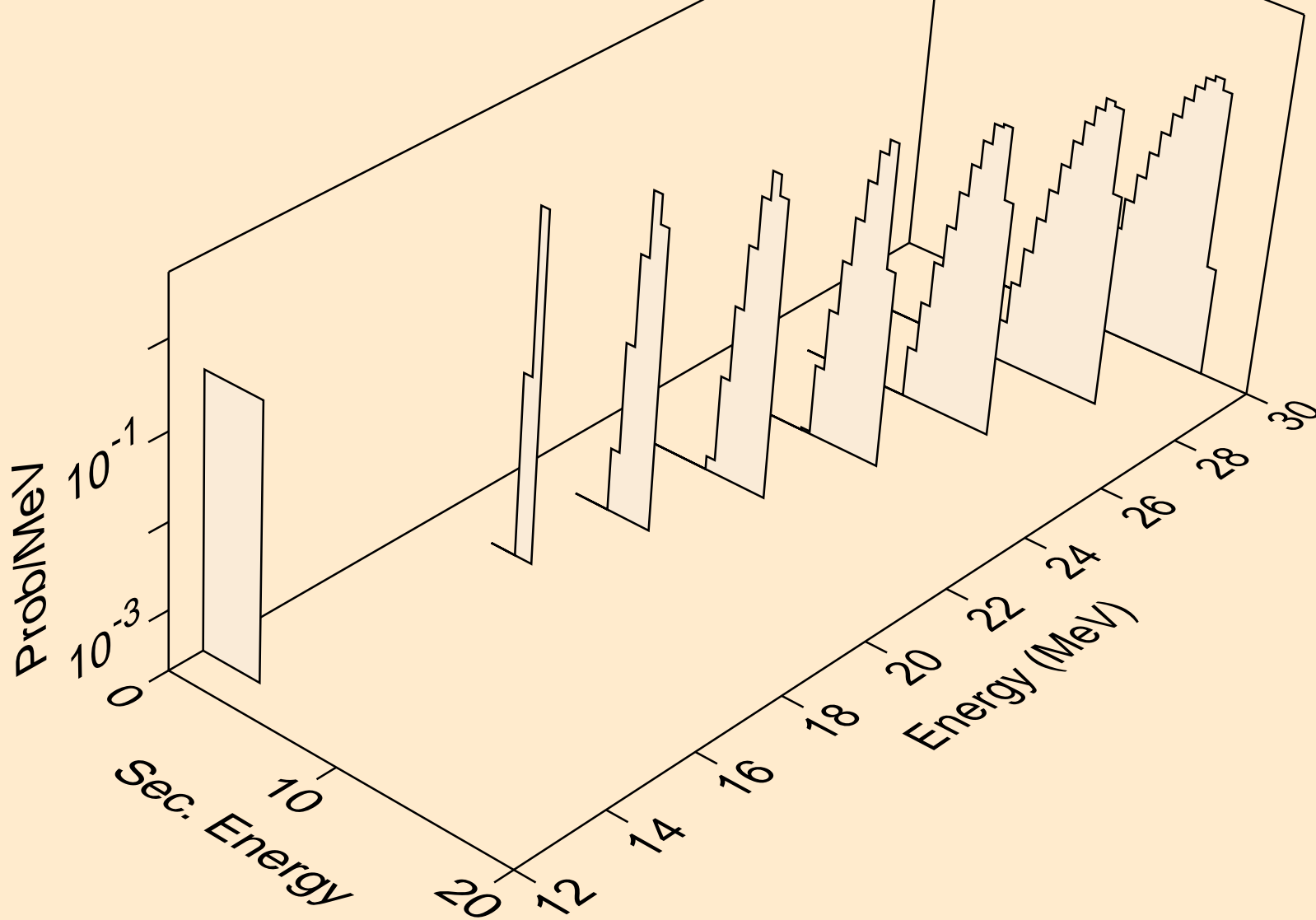
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tritons from (n,pt)



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he3s from (n,x)

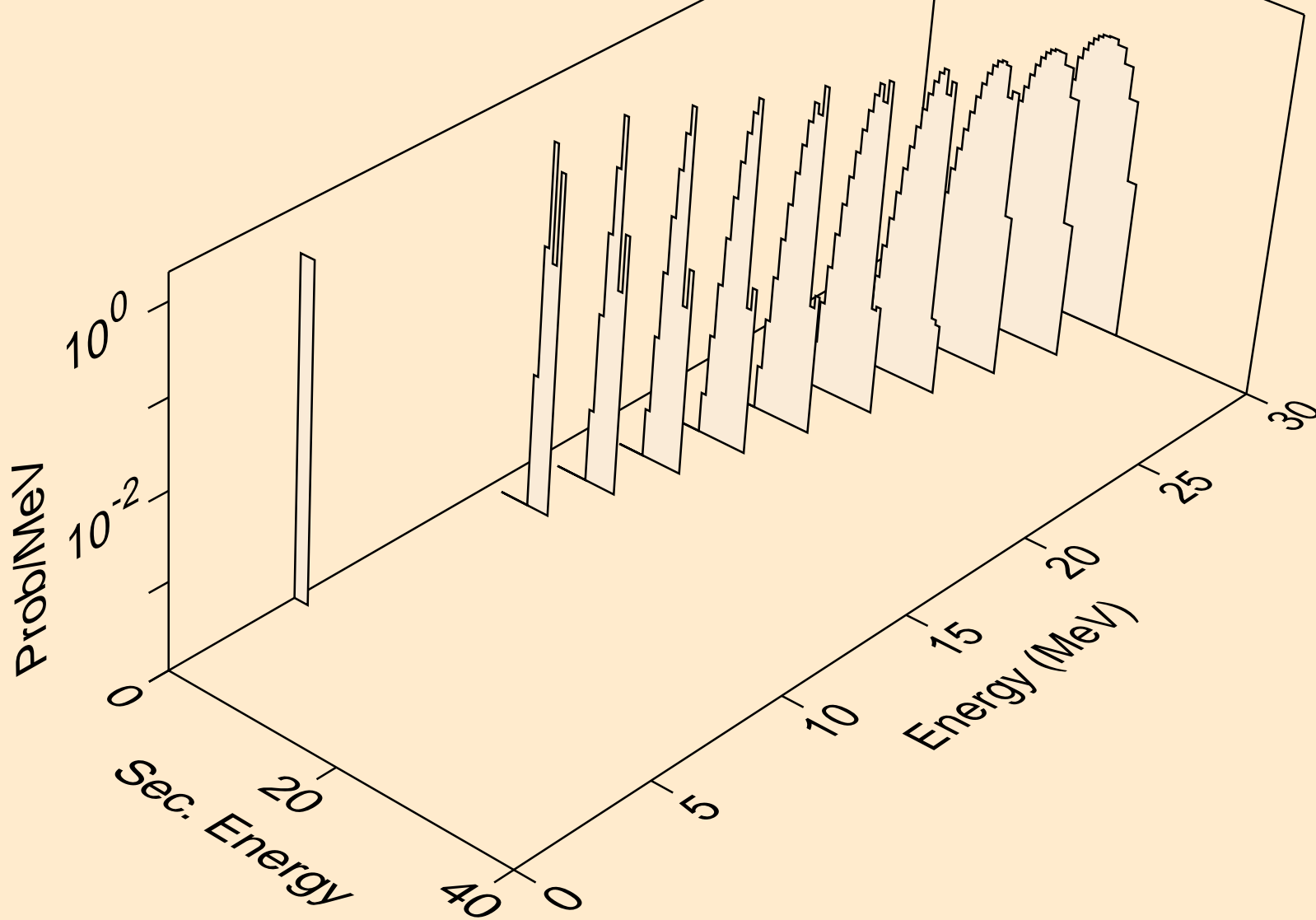


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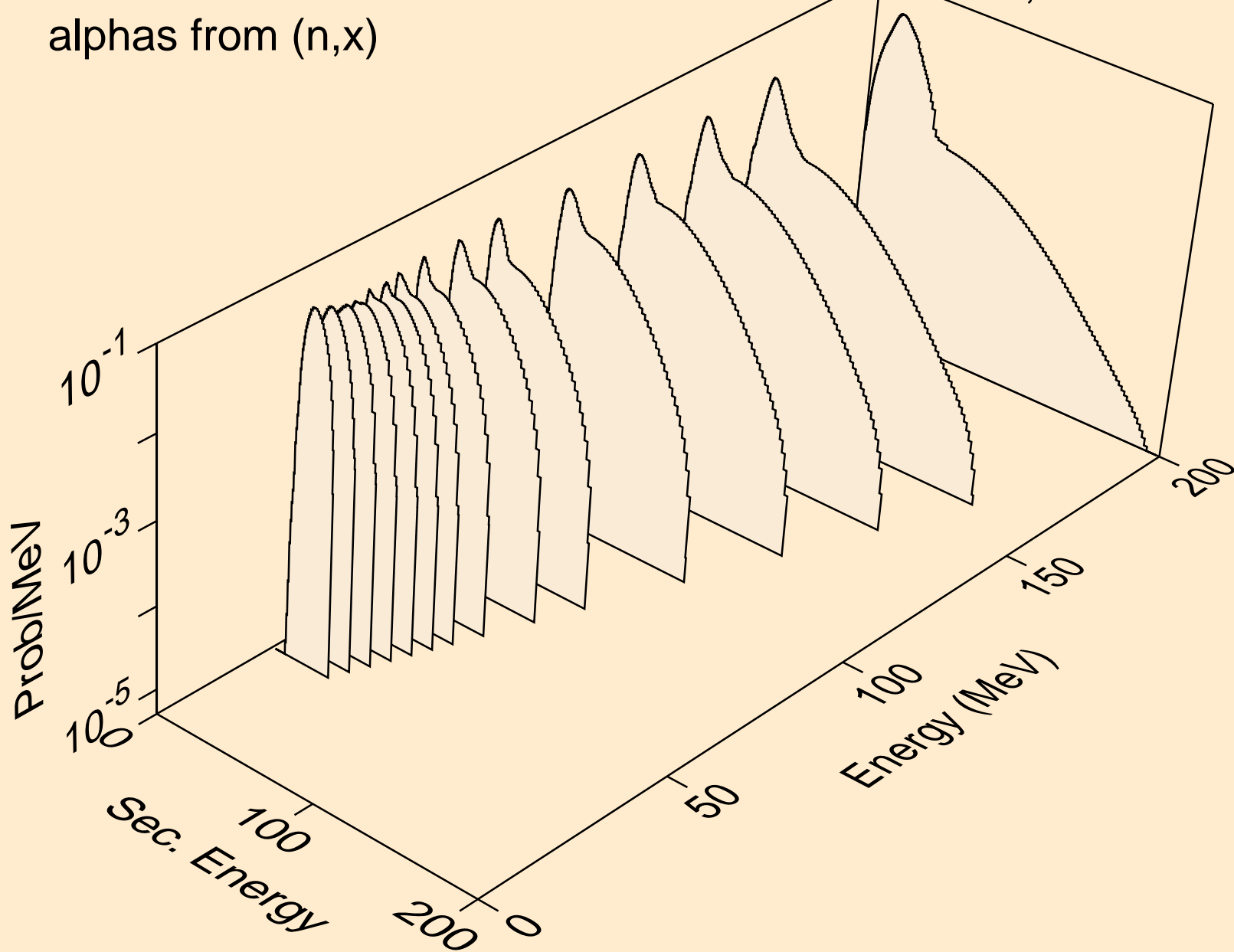




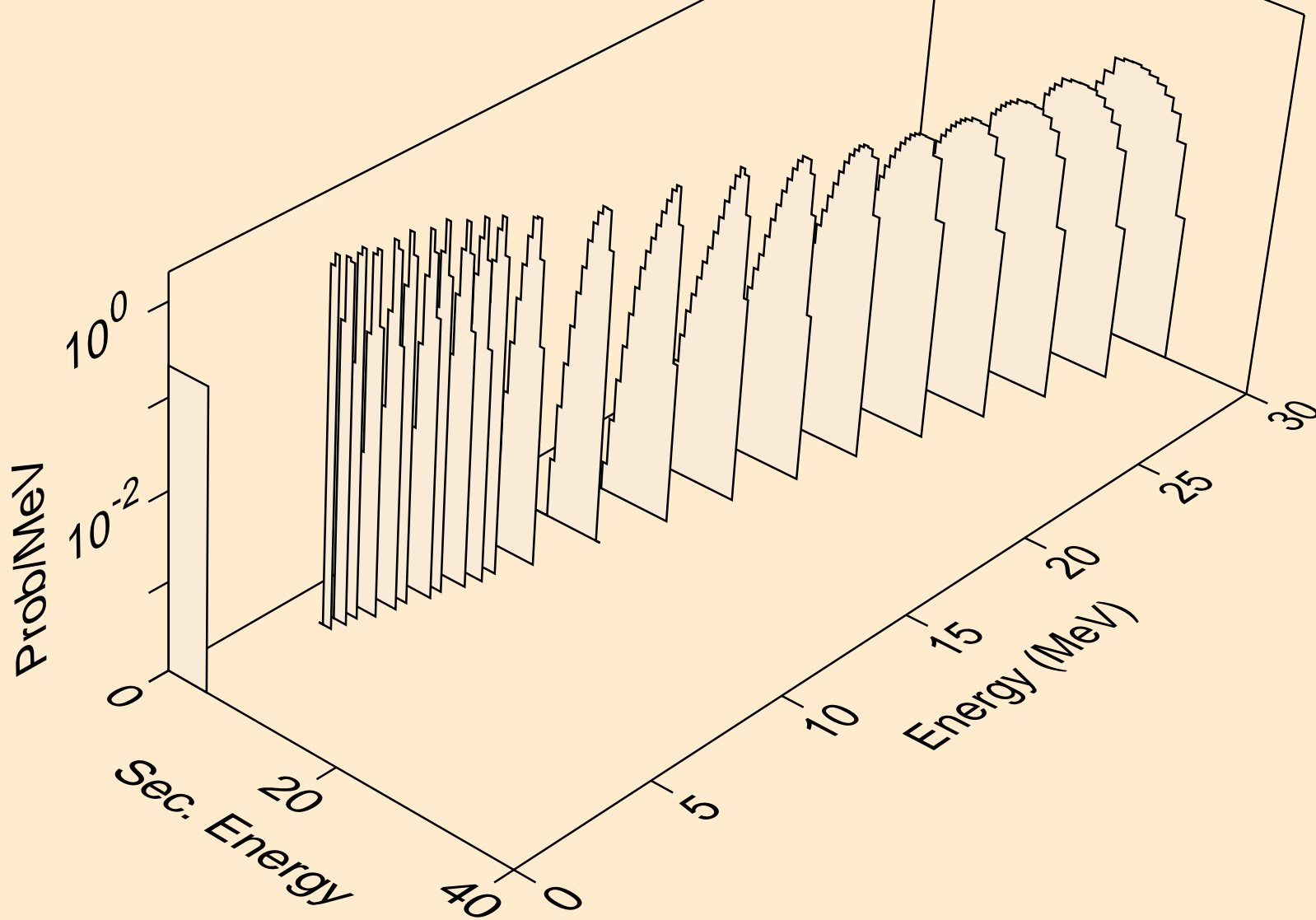
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he3s from (n,he3)



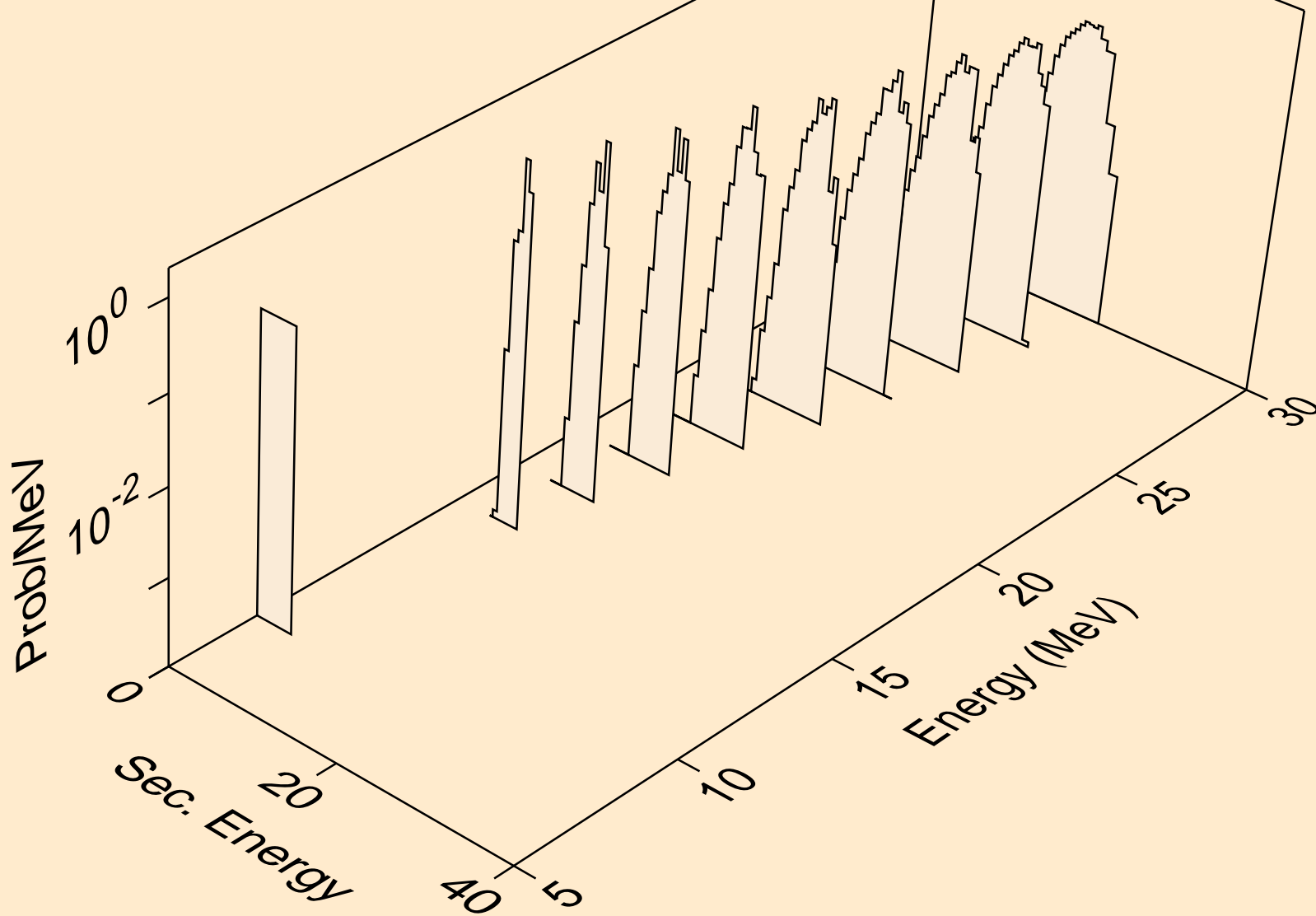
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)



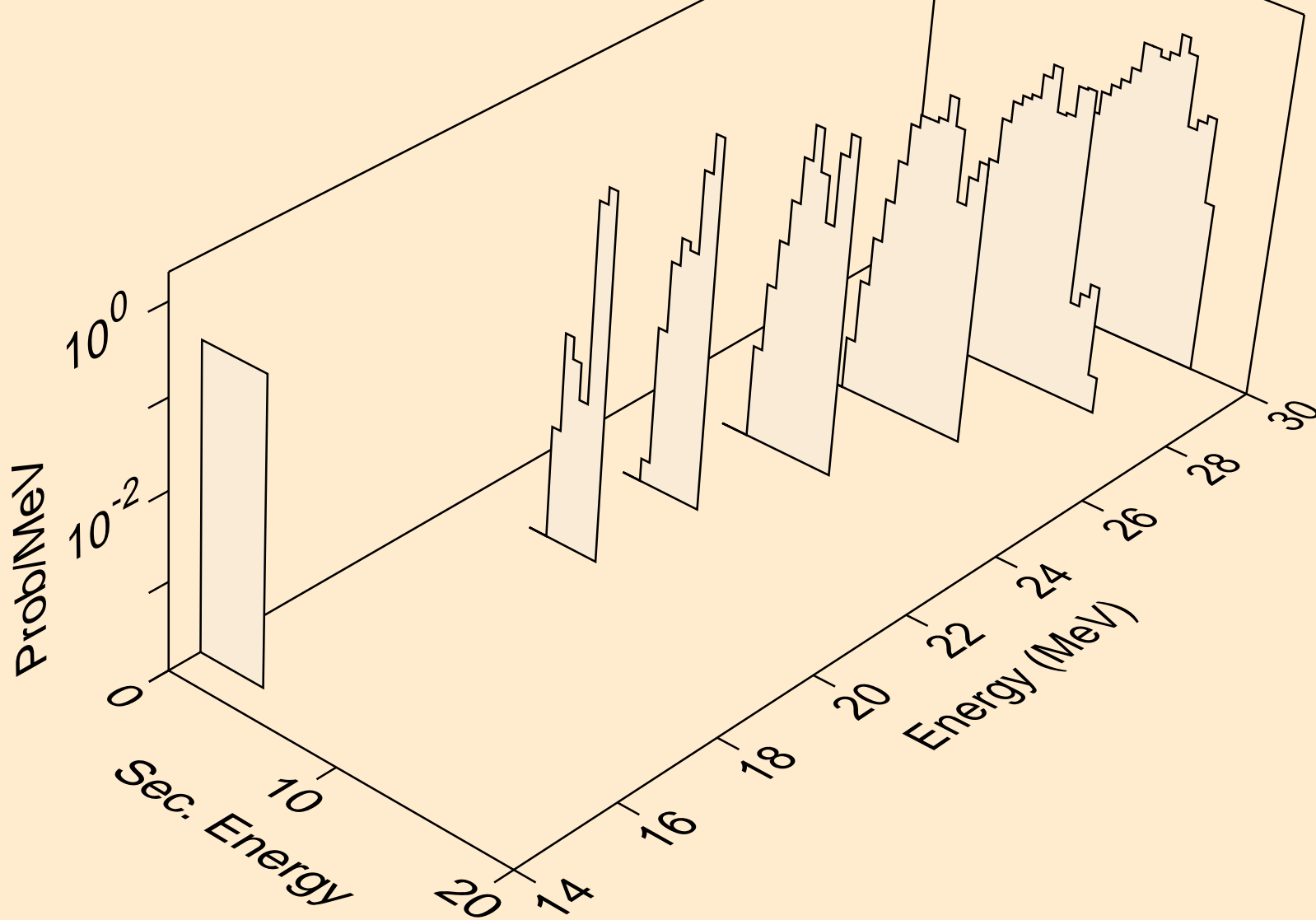
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



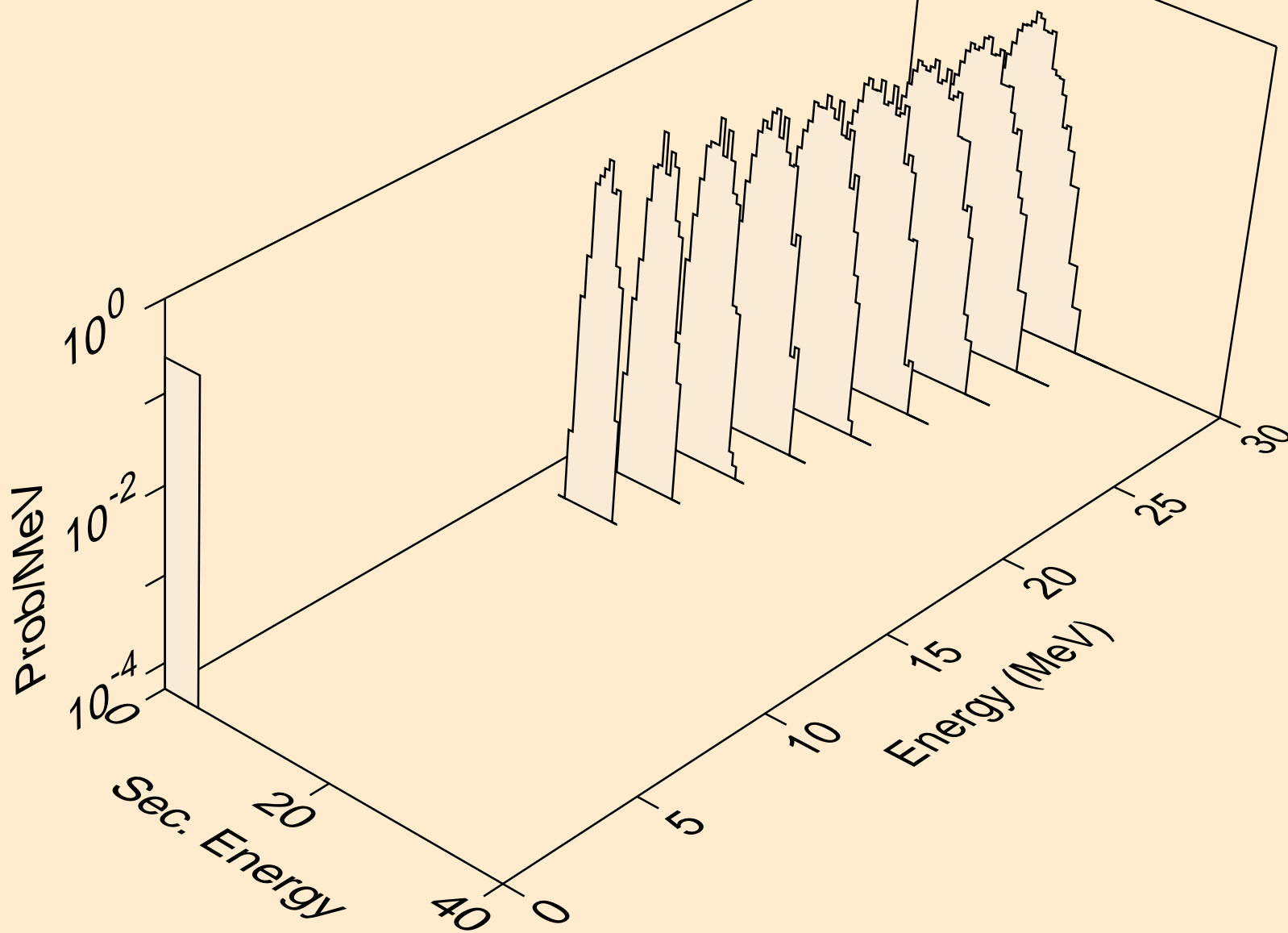
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



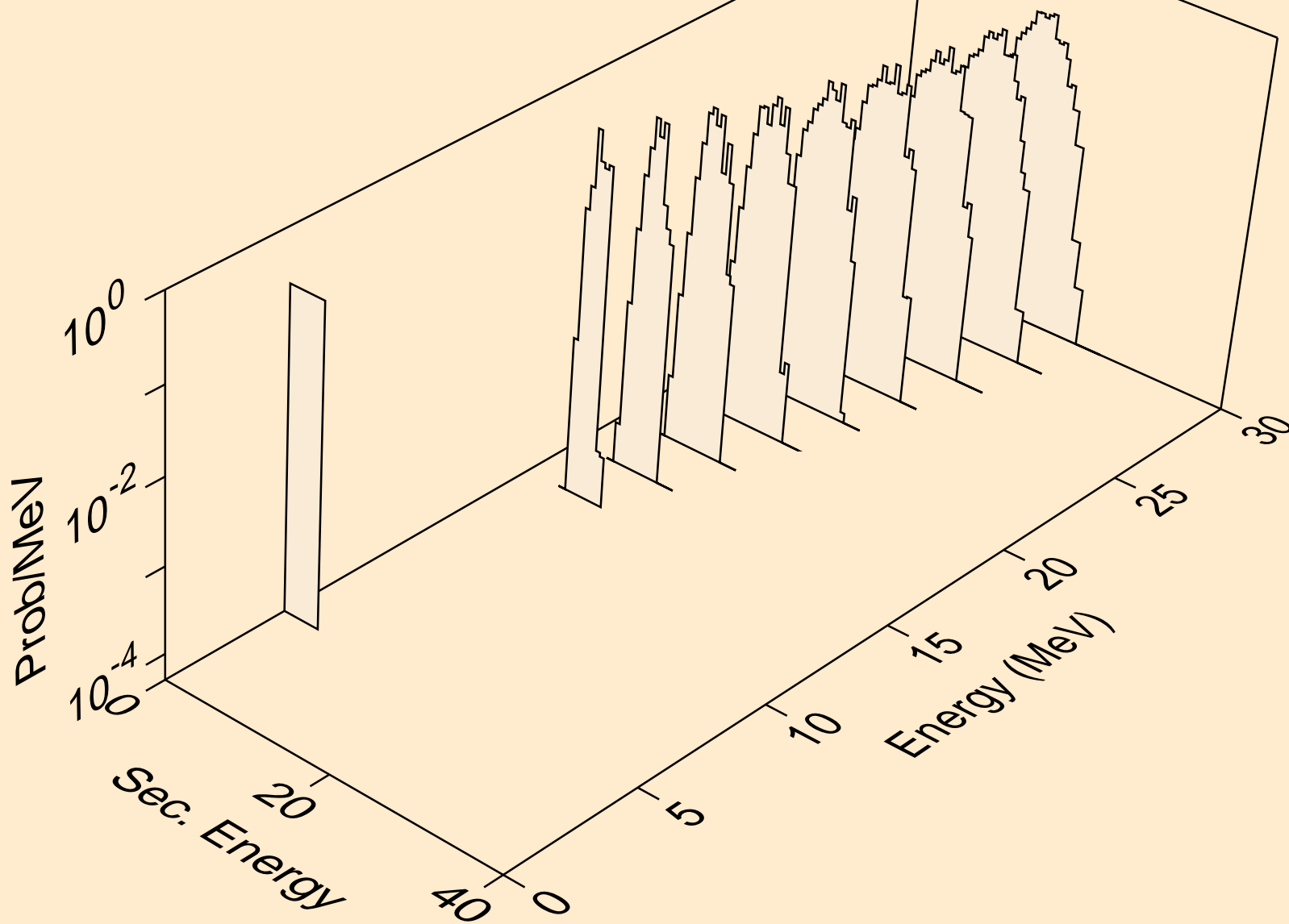
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alphas from (n,3n)a



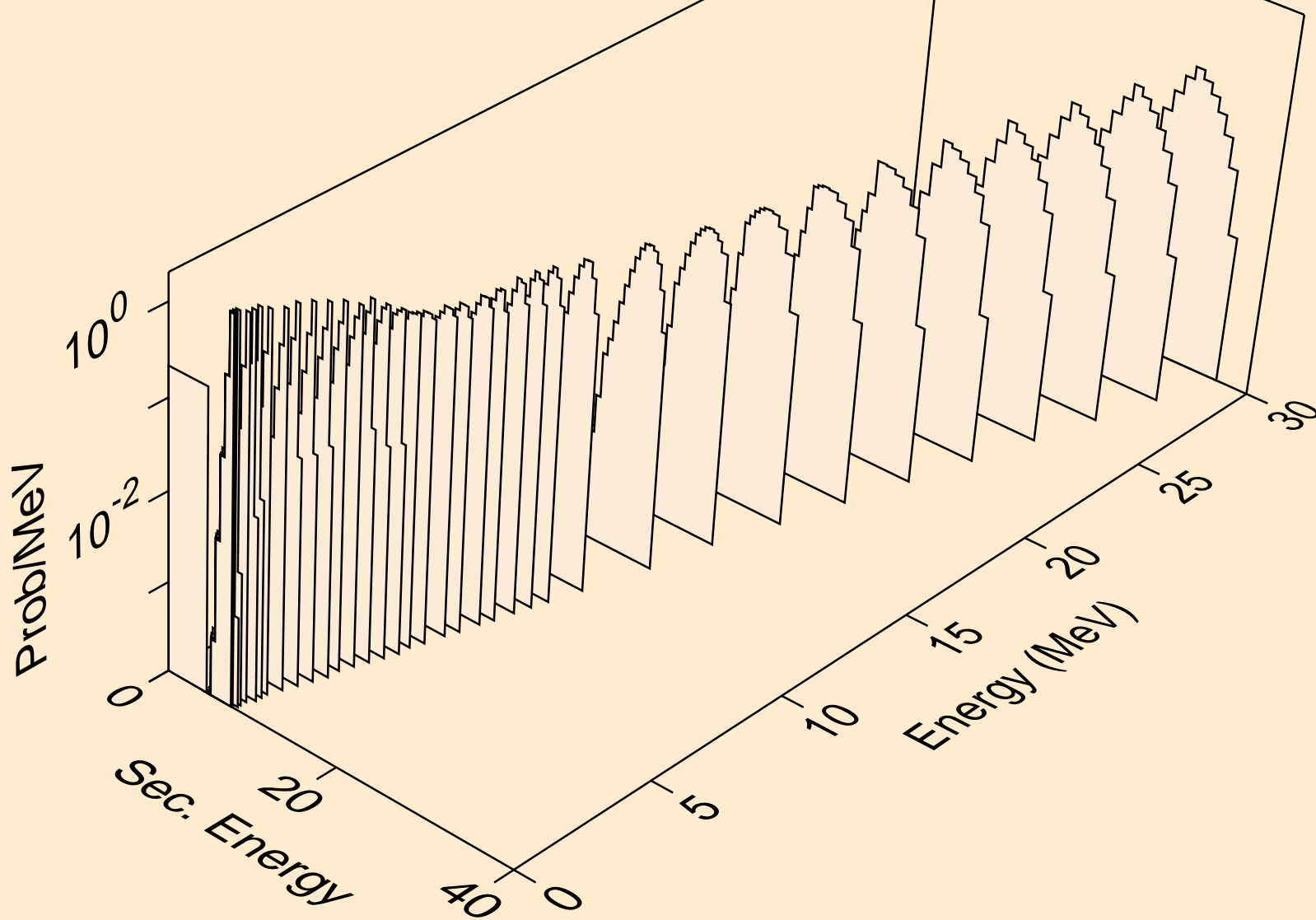
HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a



HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)

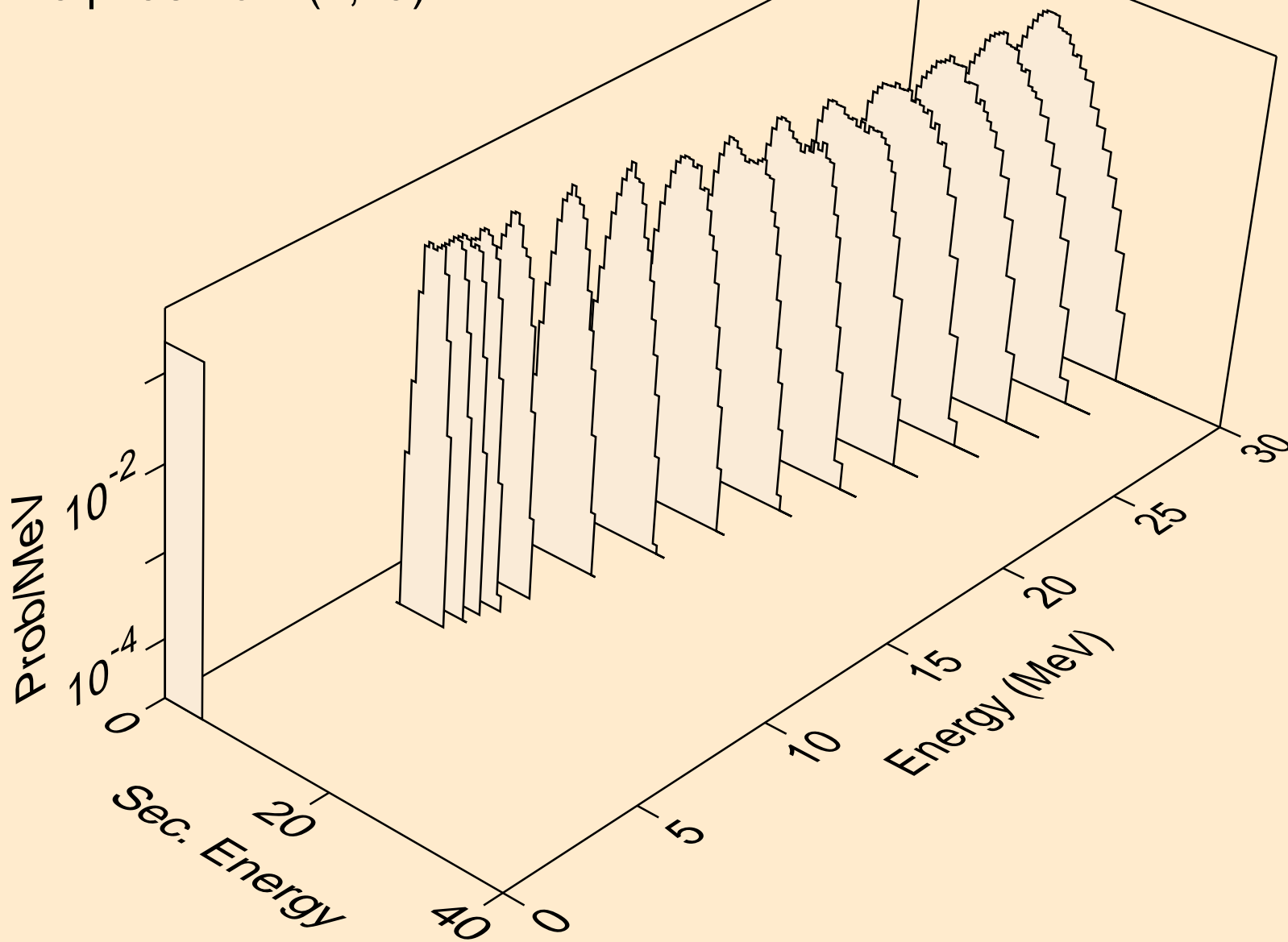


HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)

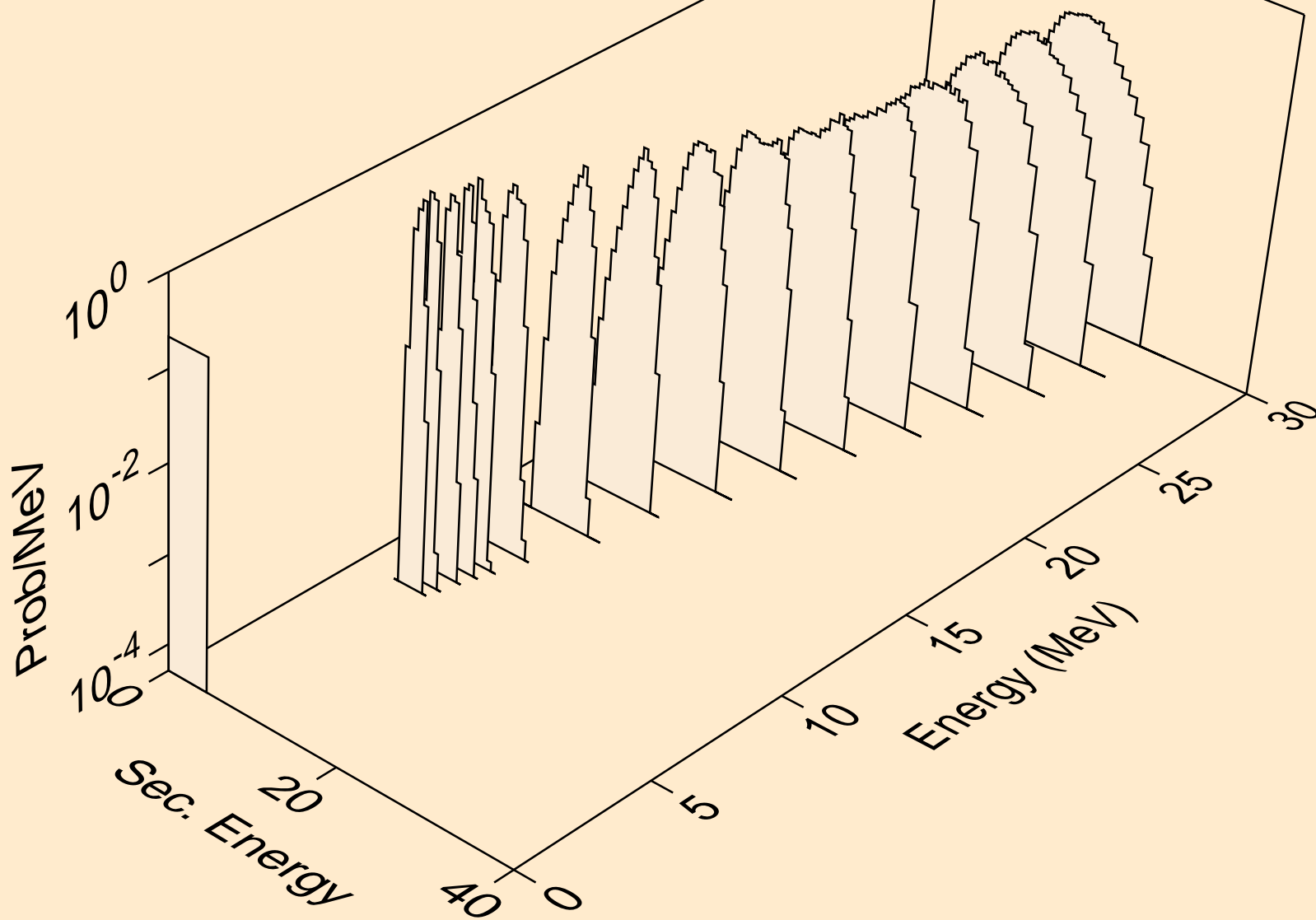




HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



HO161 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

