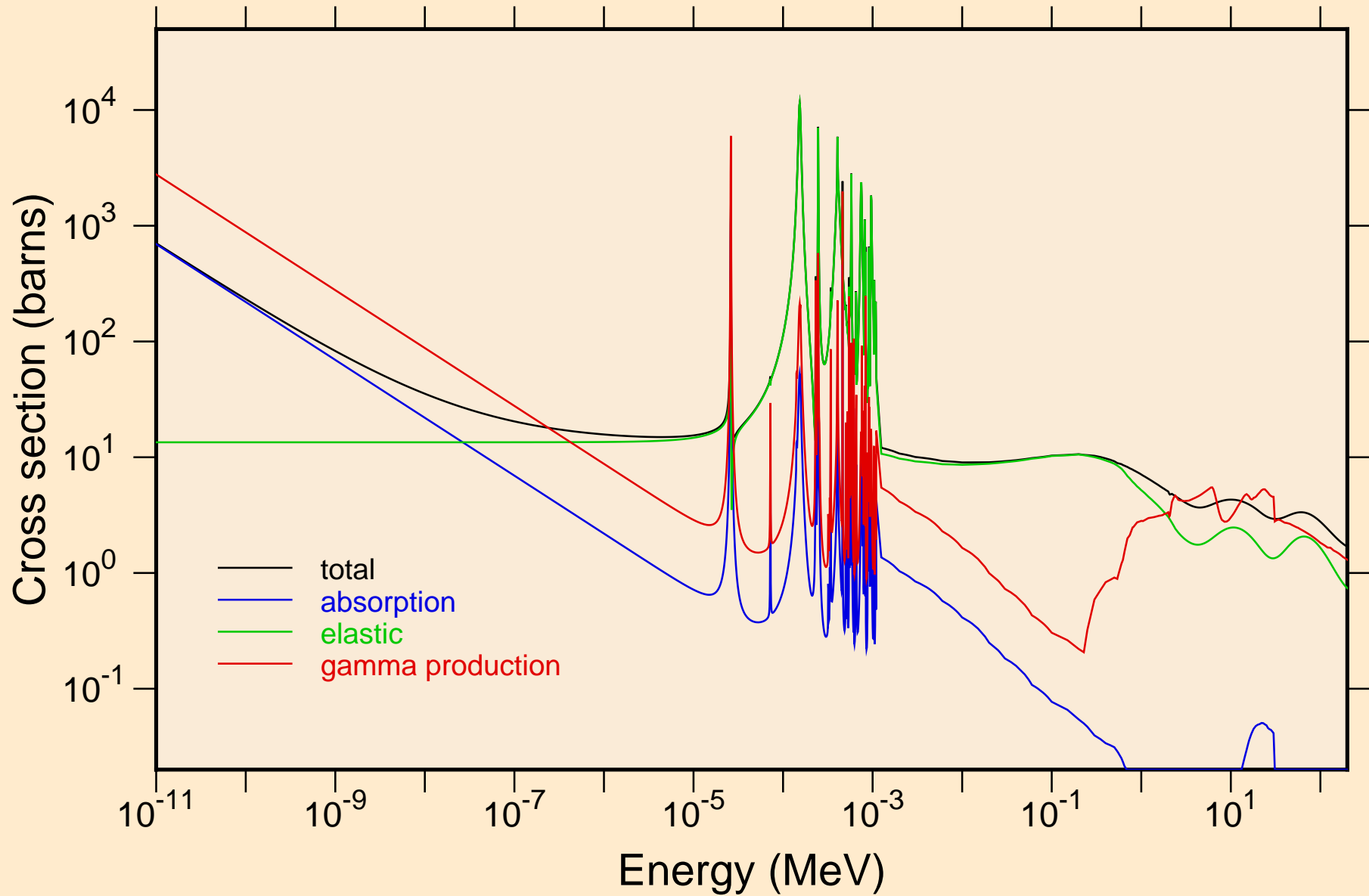
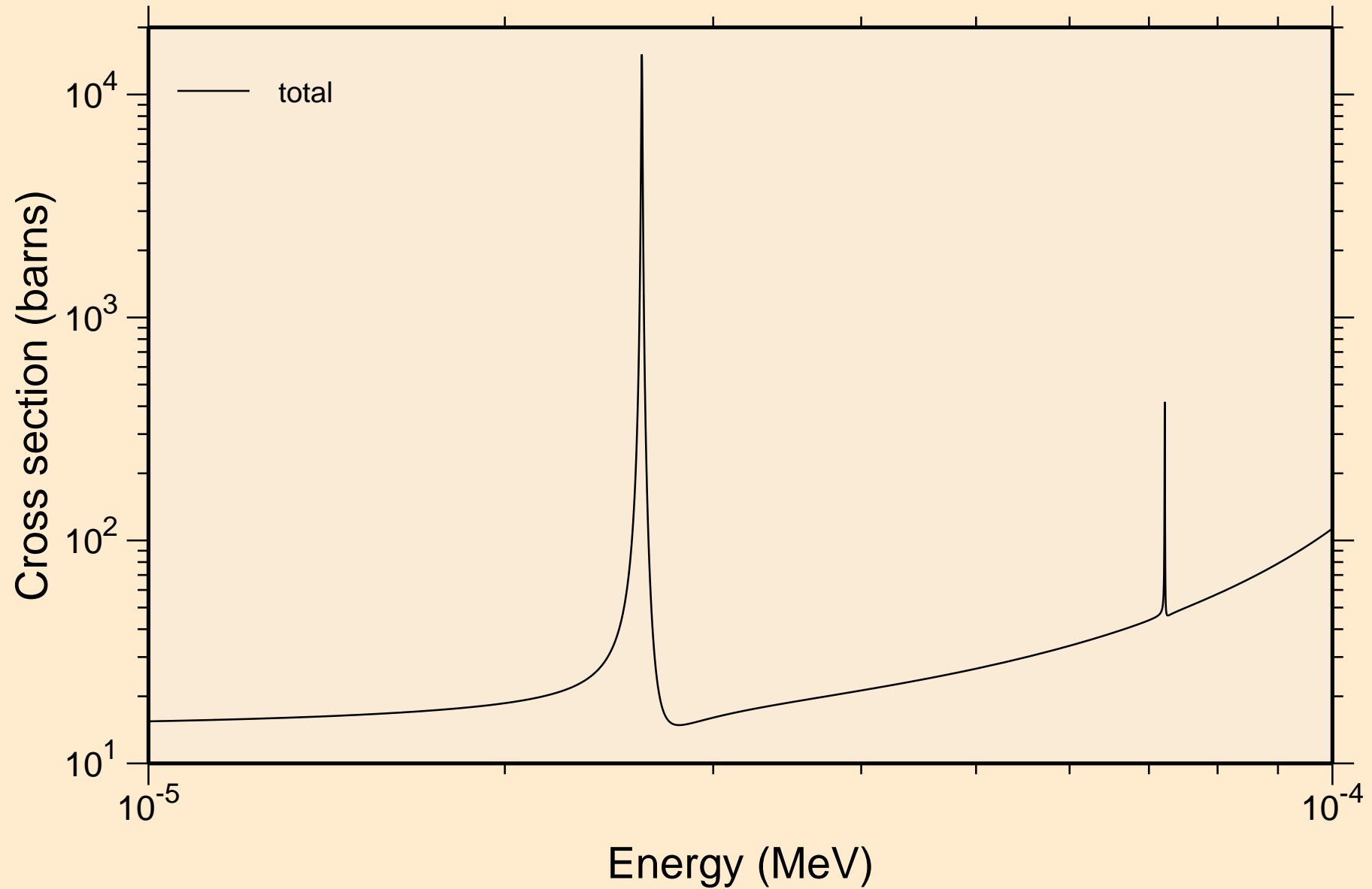


# NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

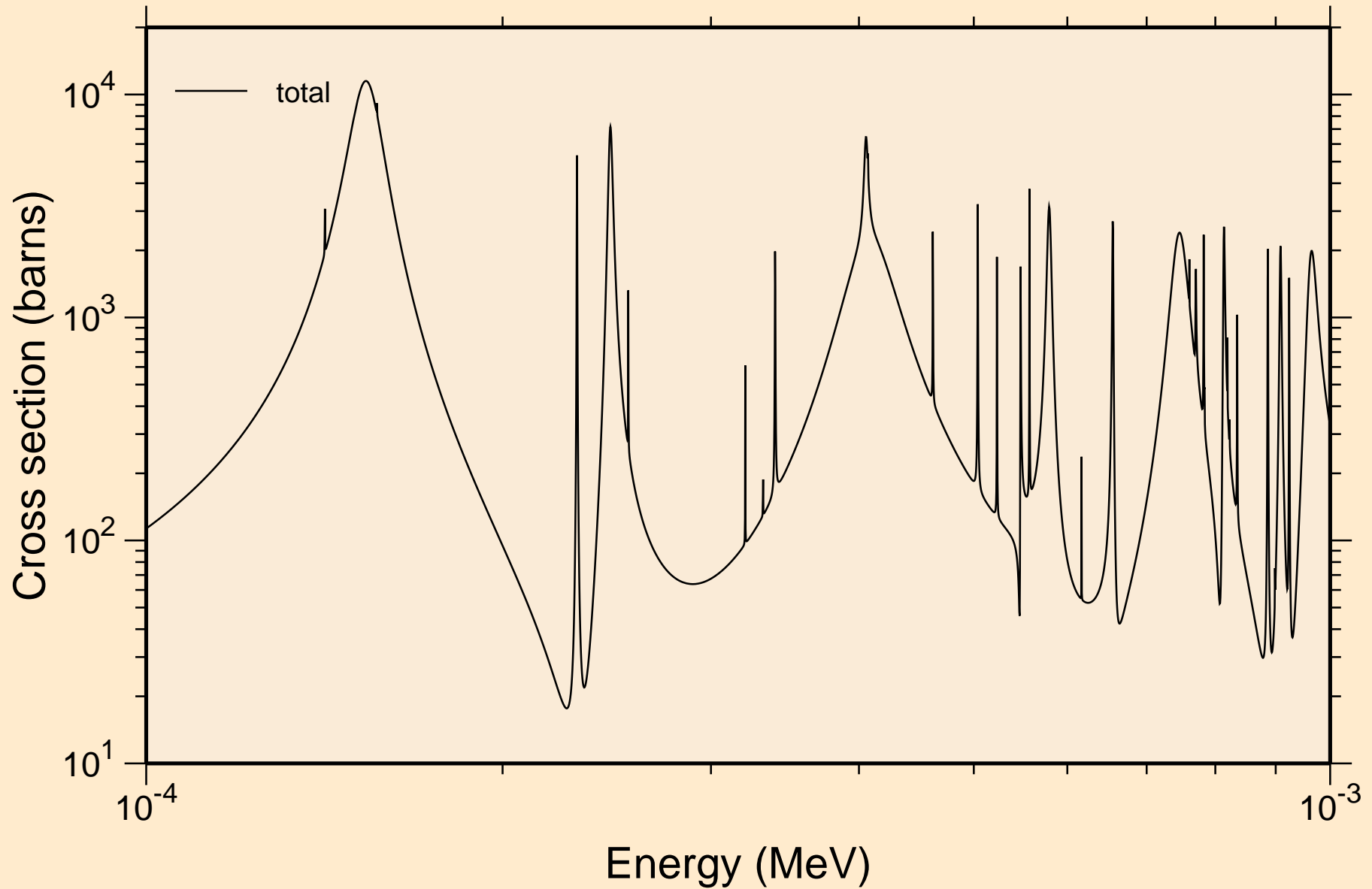
## Principal cross sections



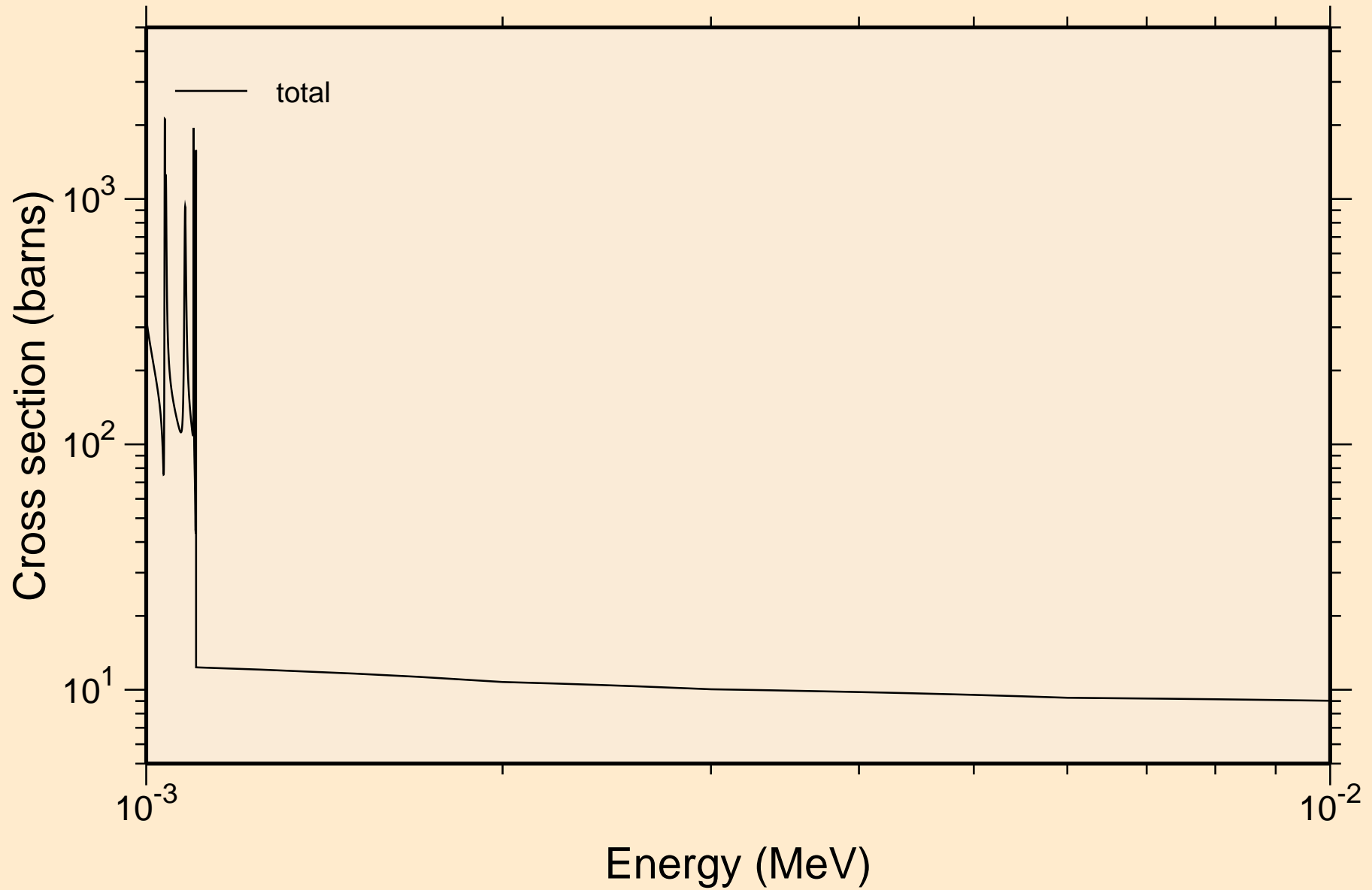
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



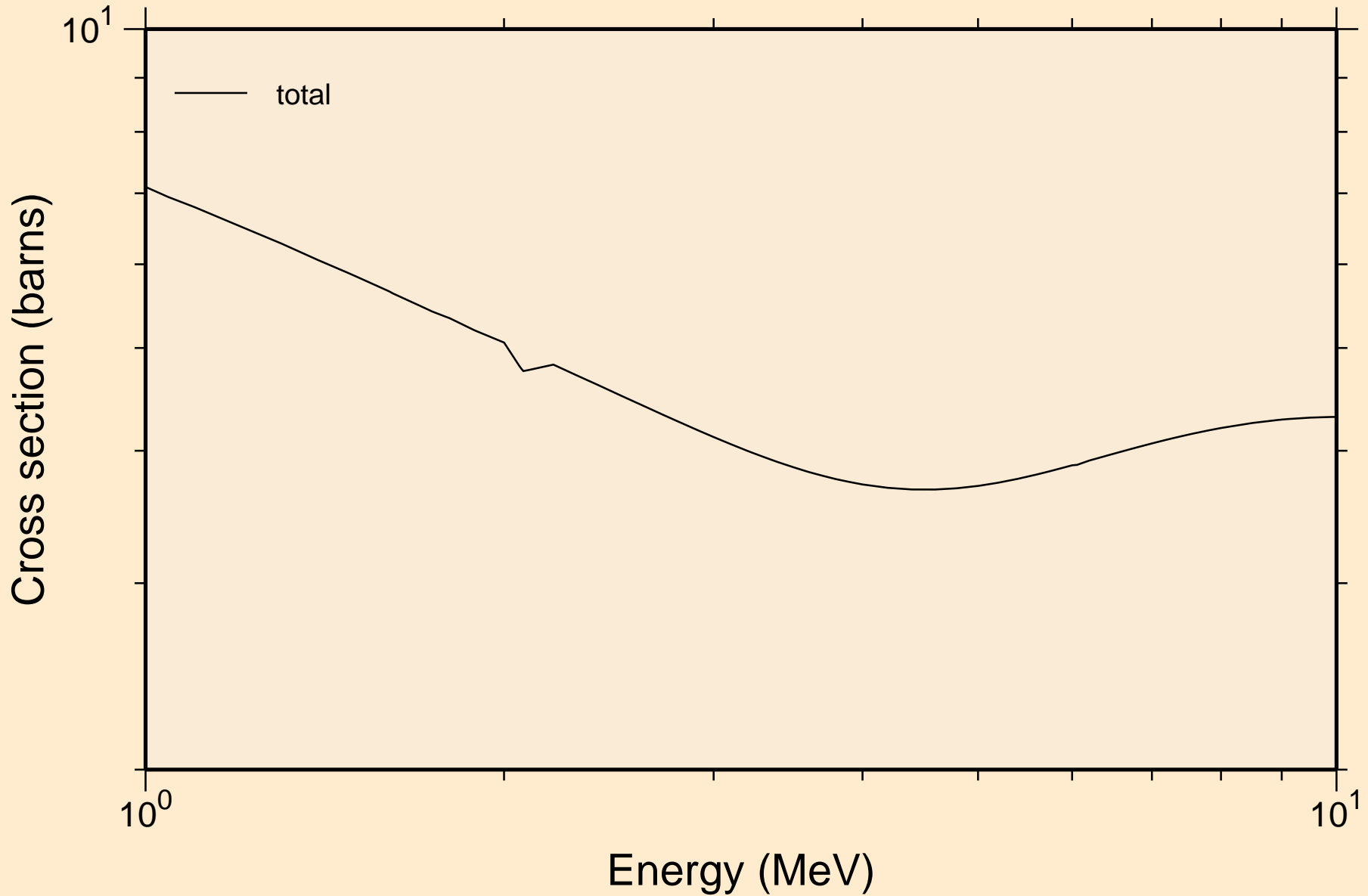
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



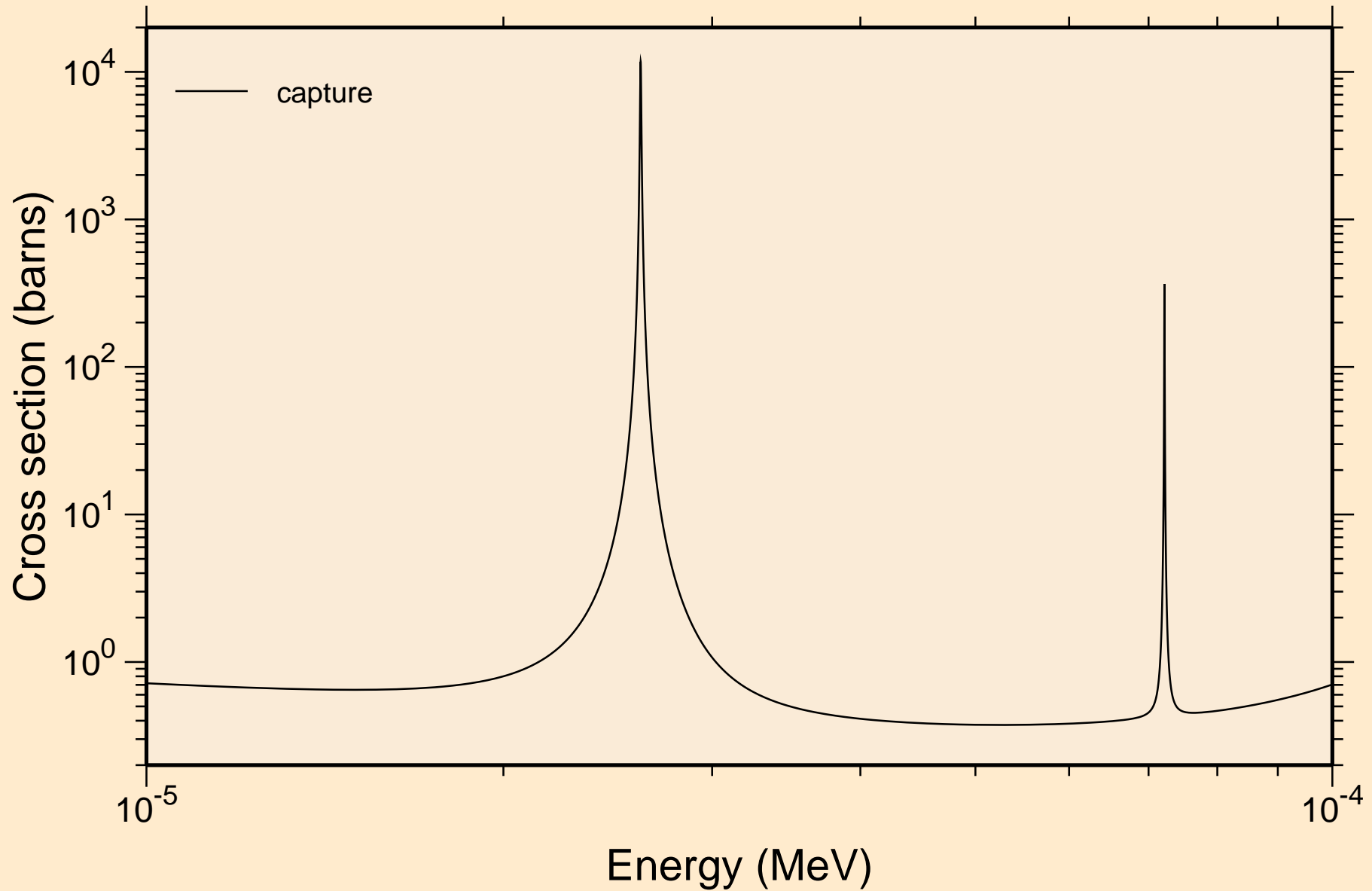
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



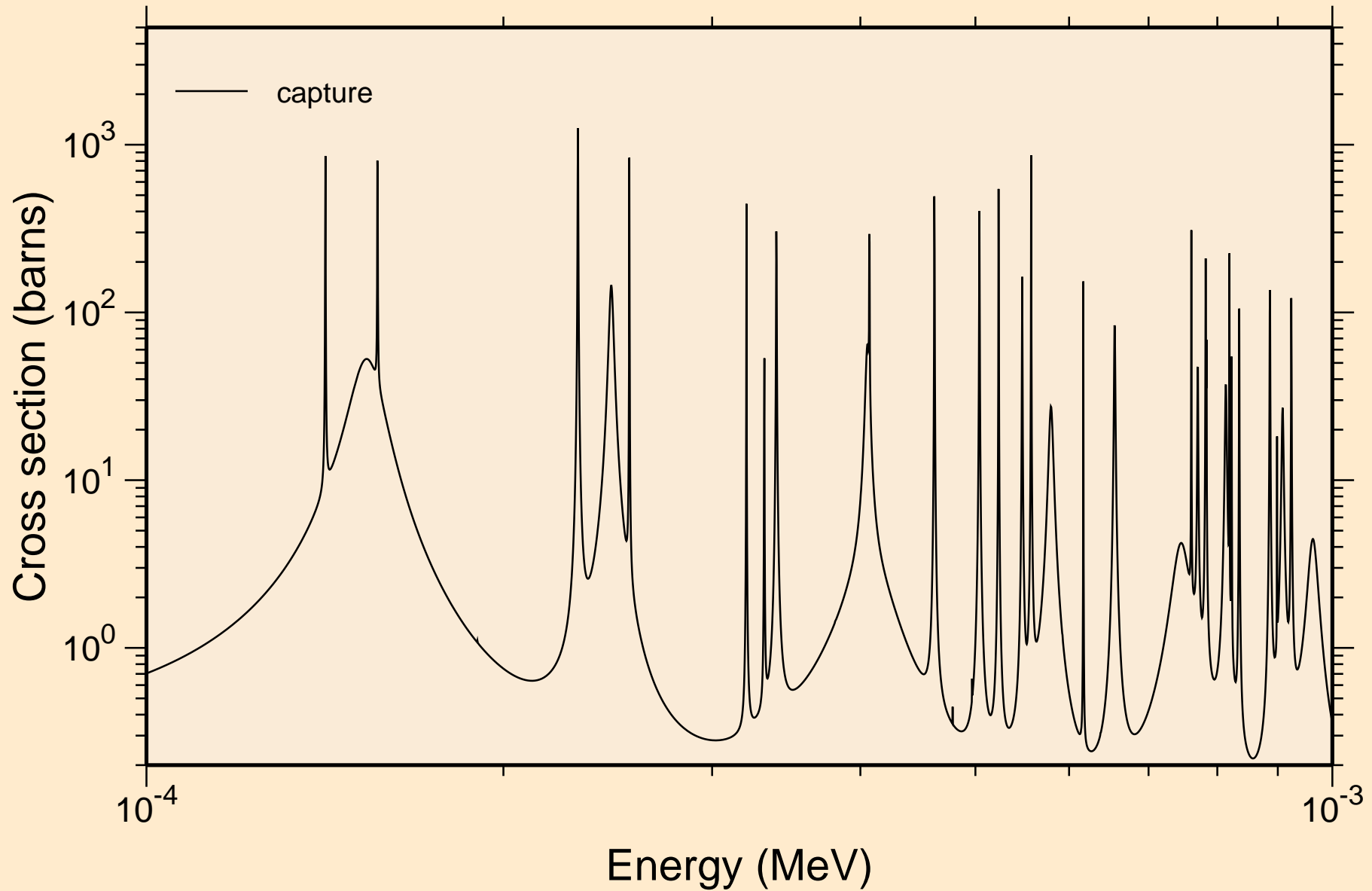
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



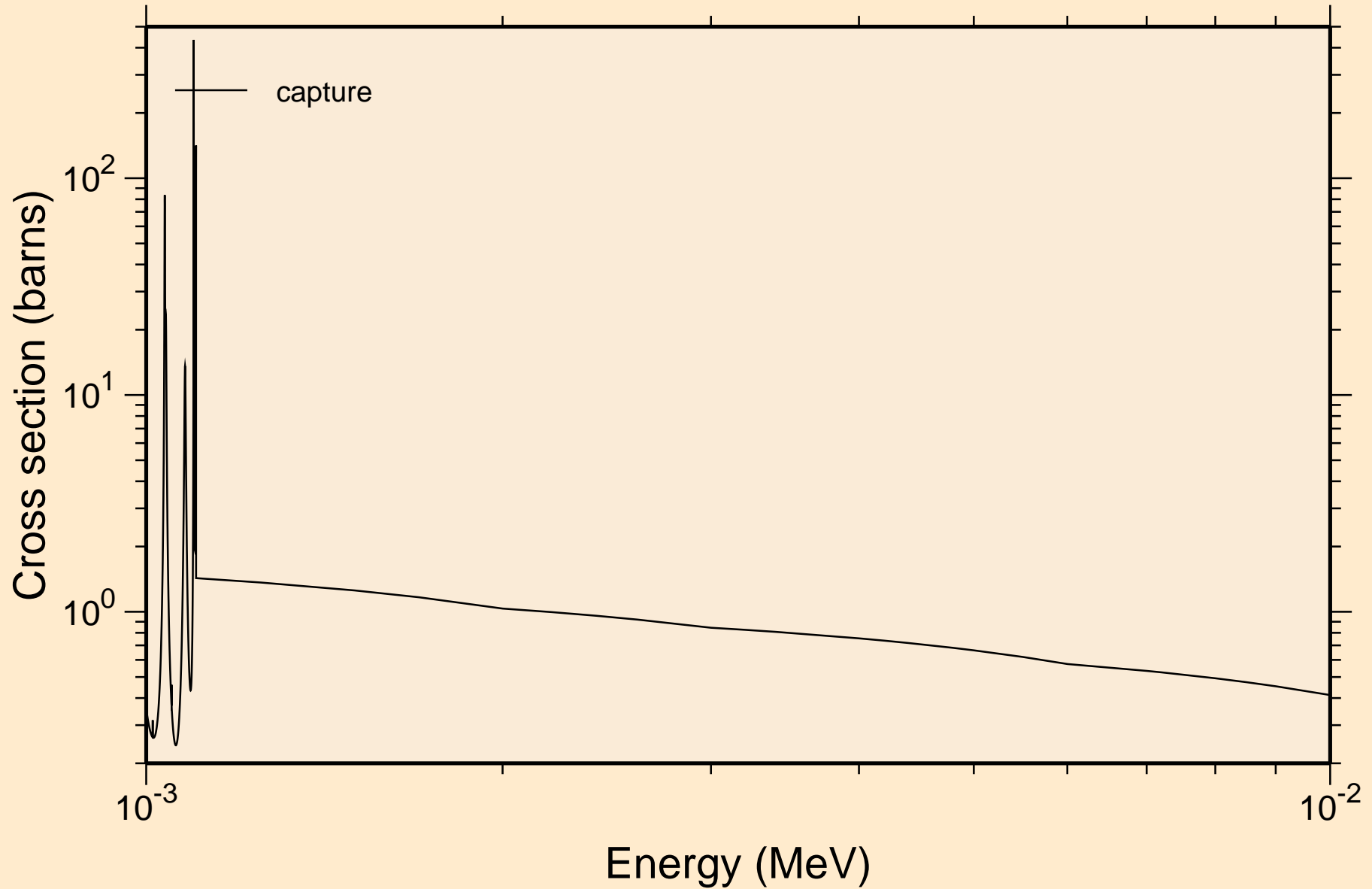
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

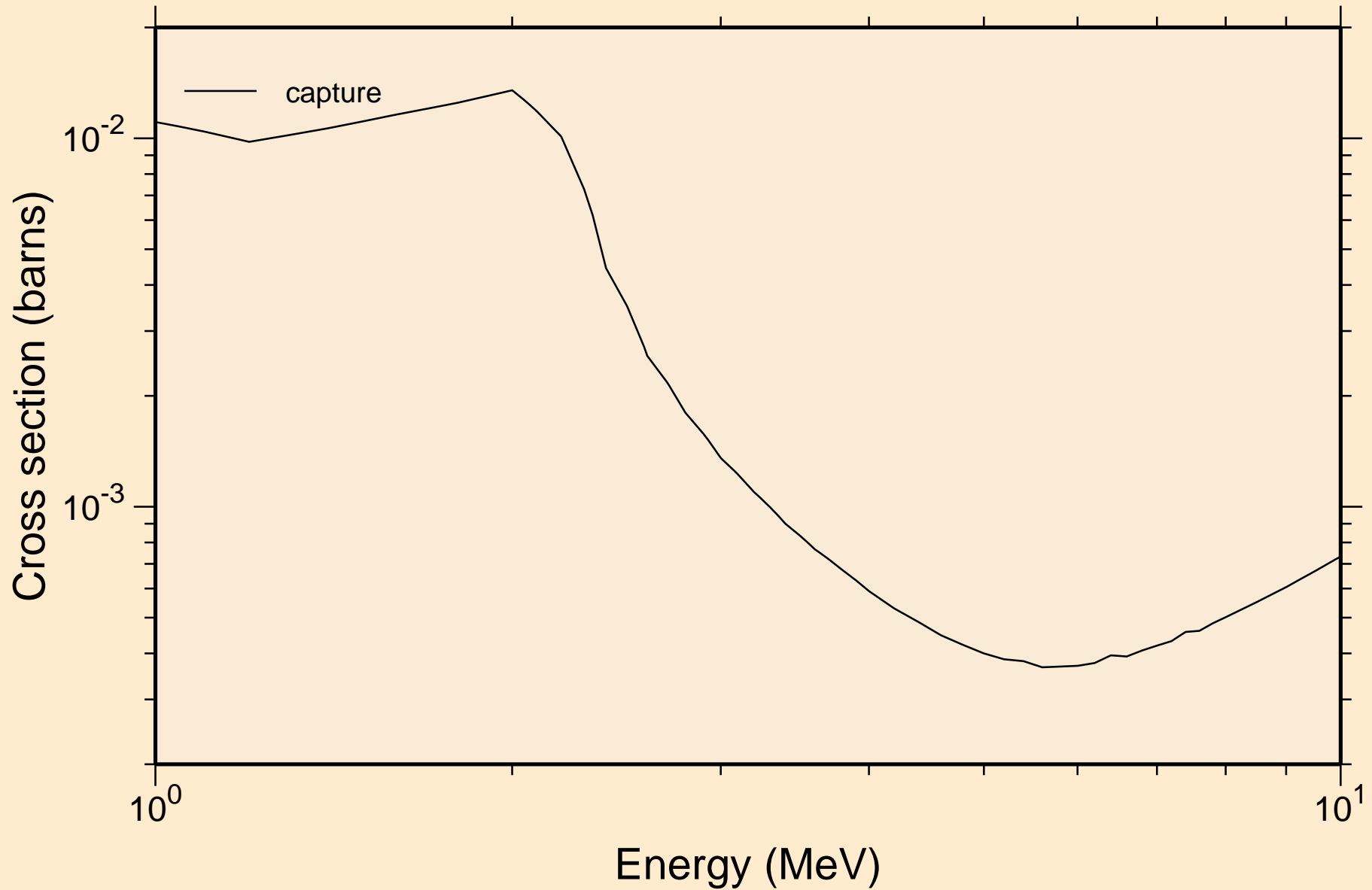


NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

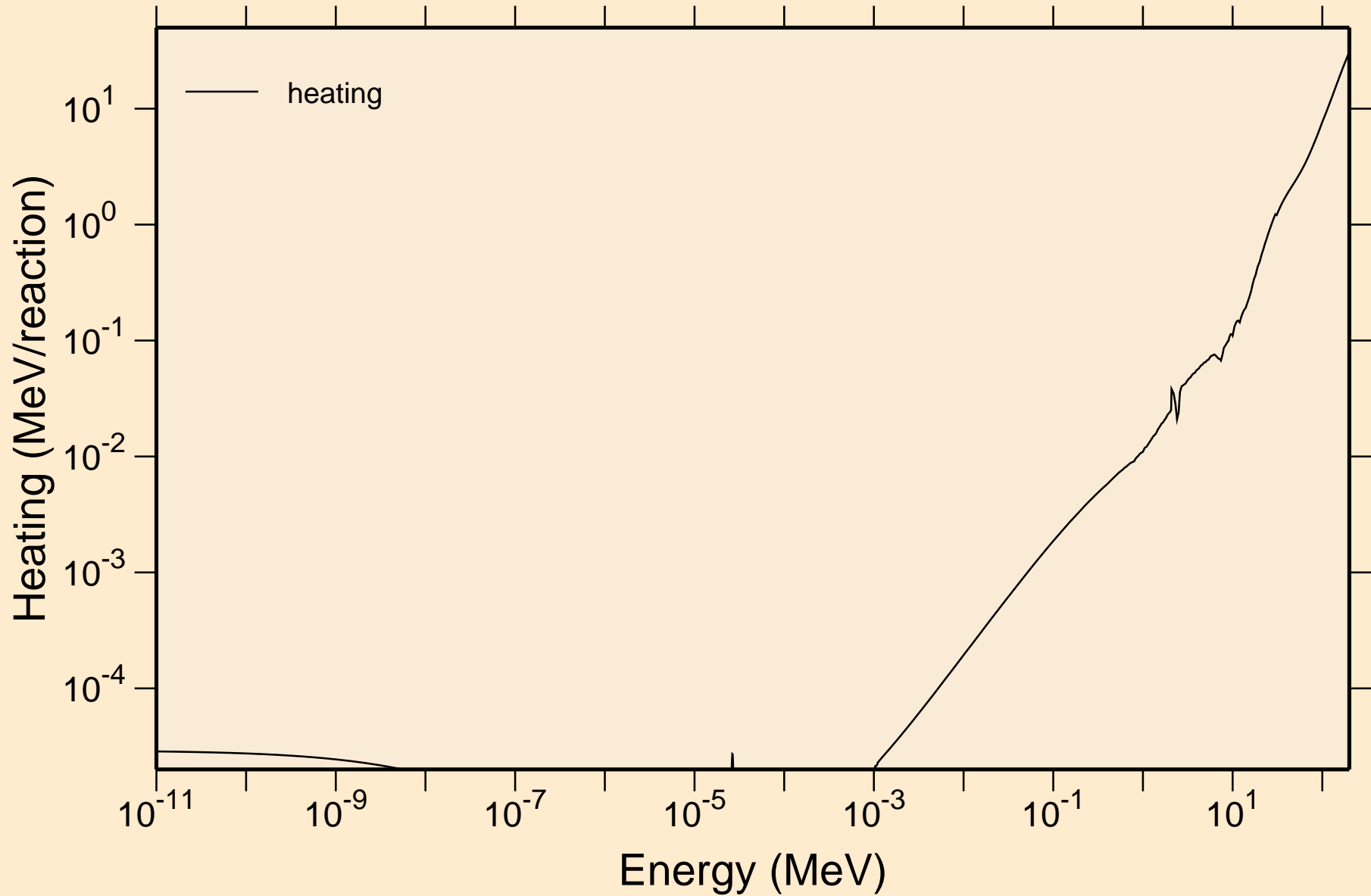




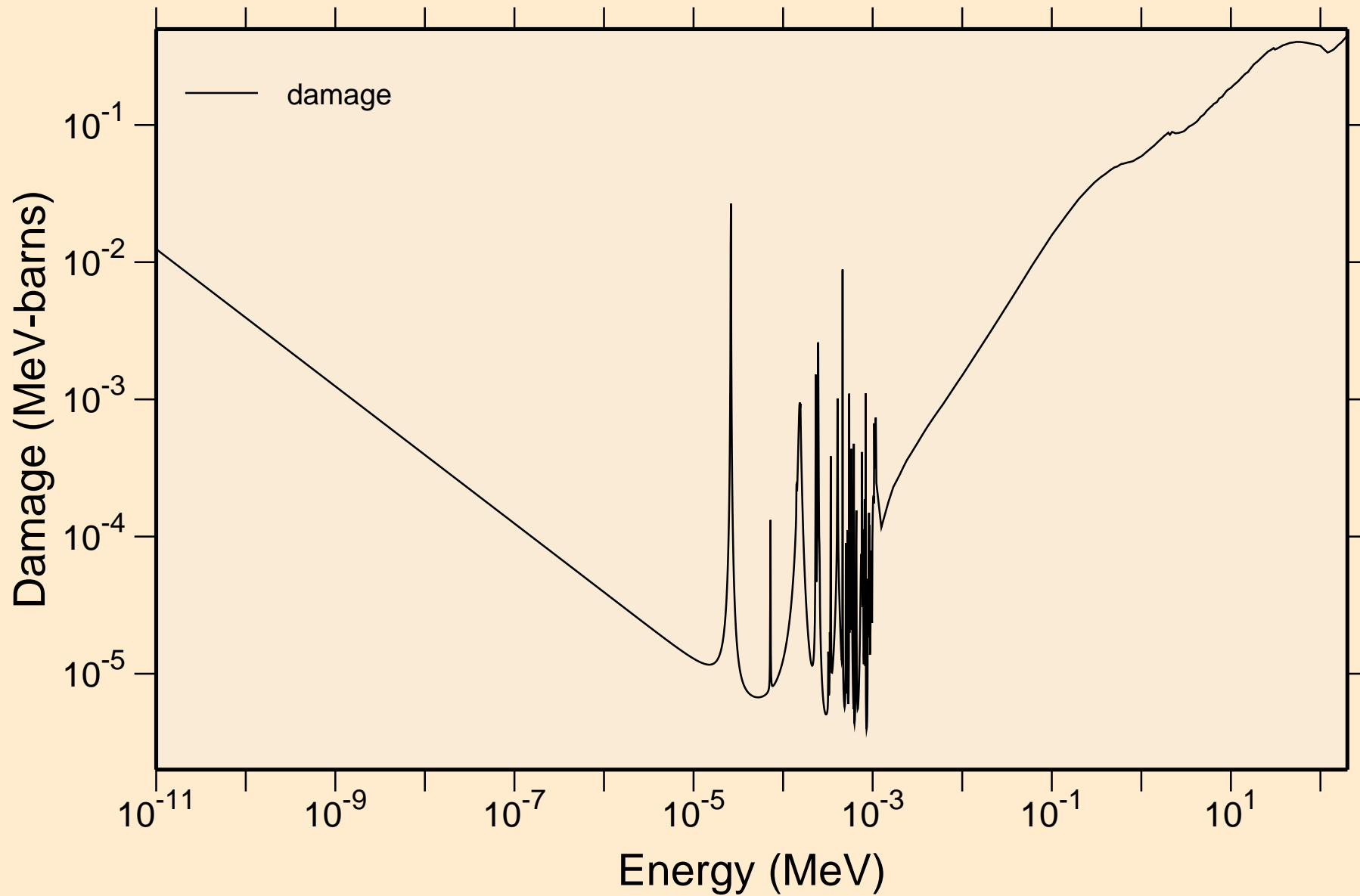
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



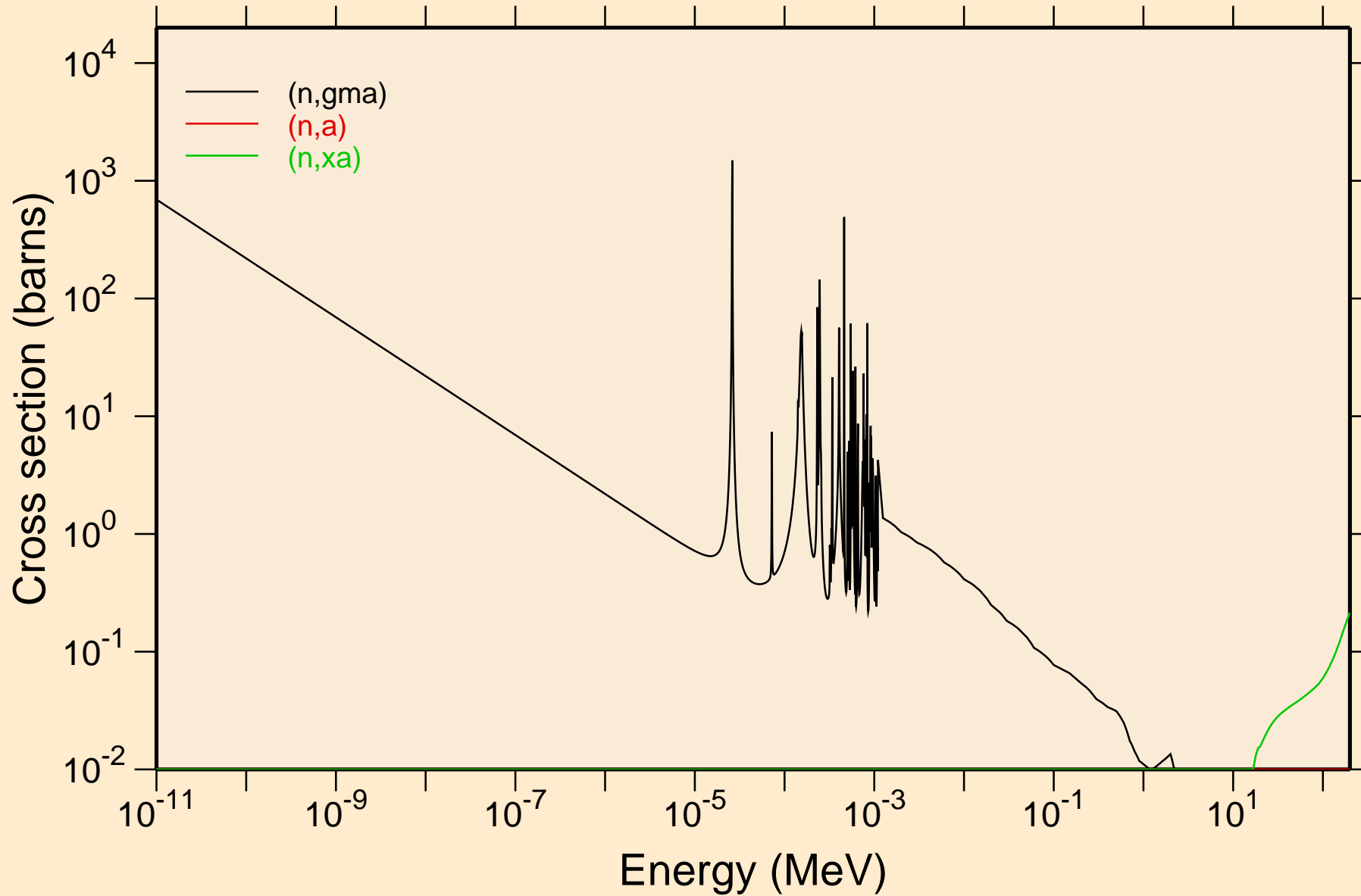
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage

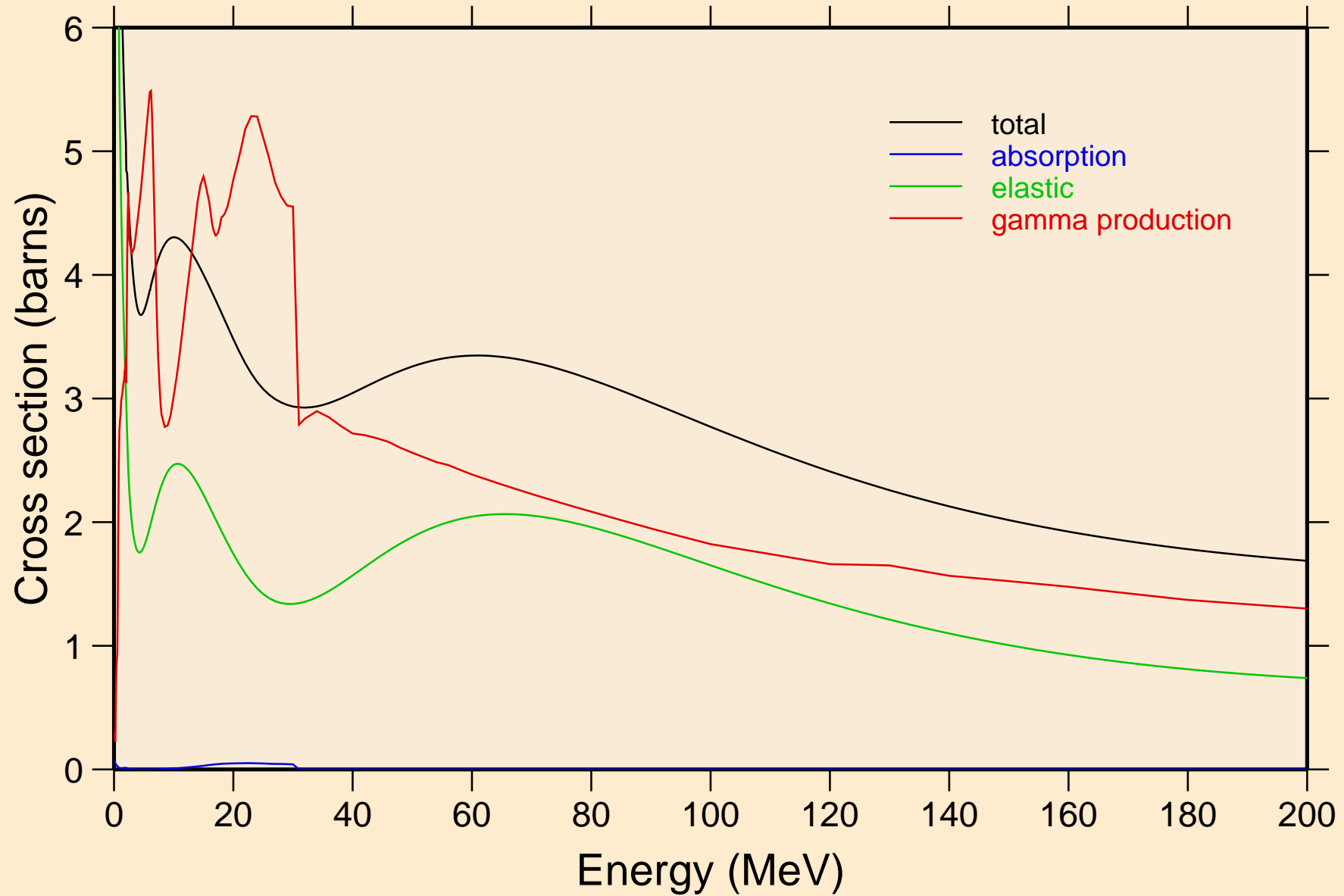


NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



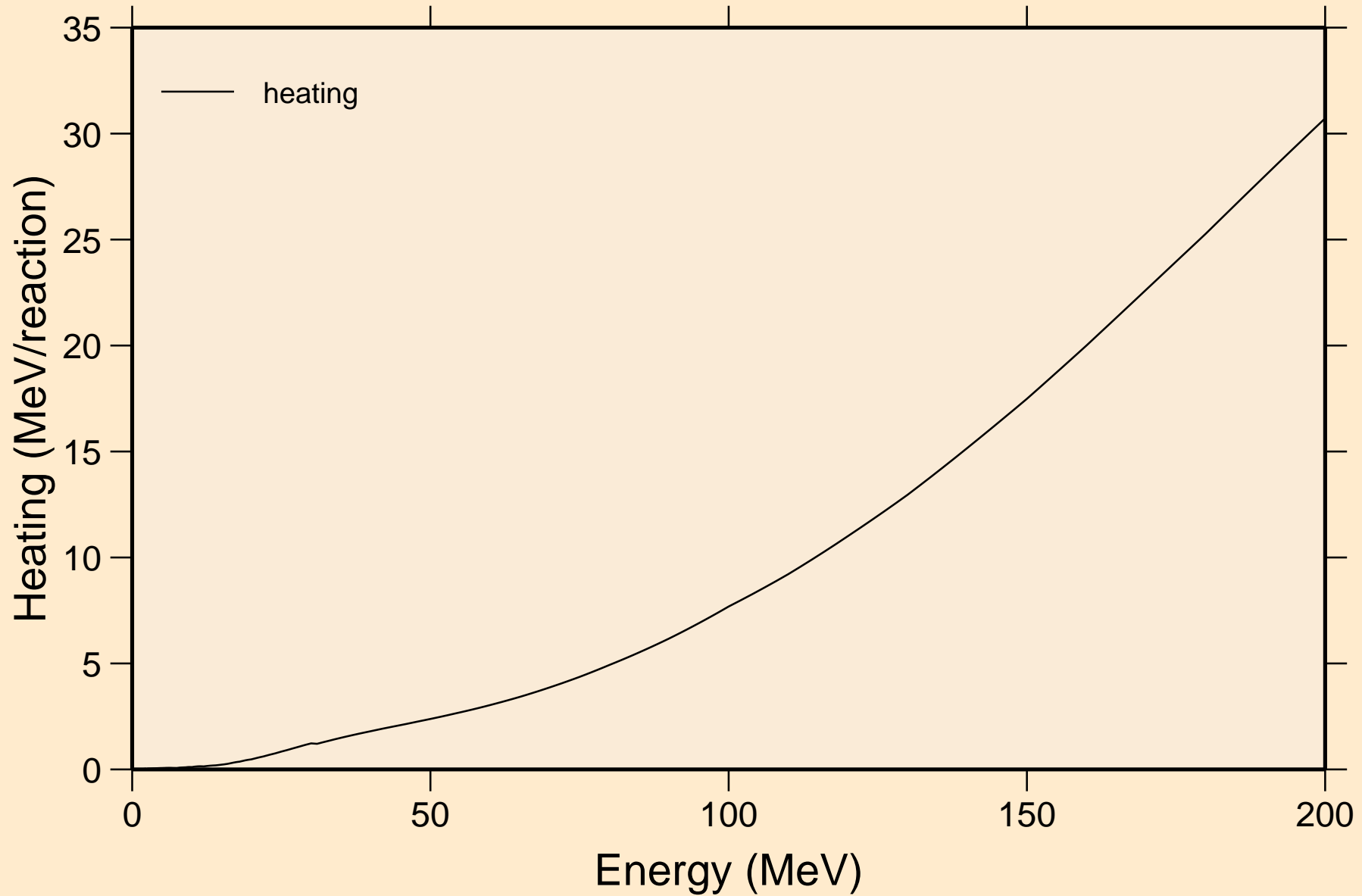
# NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



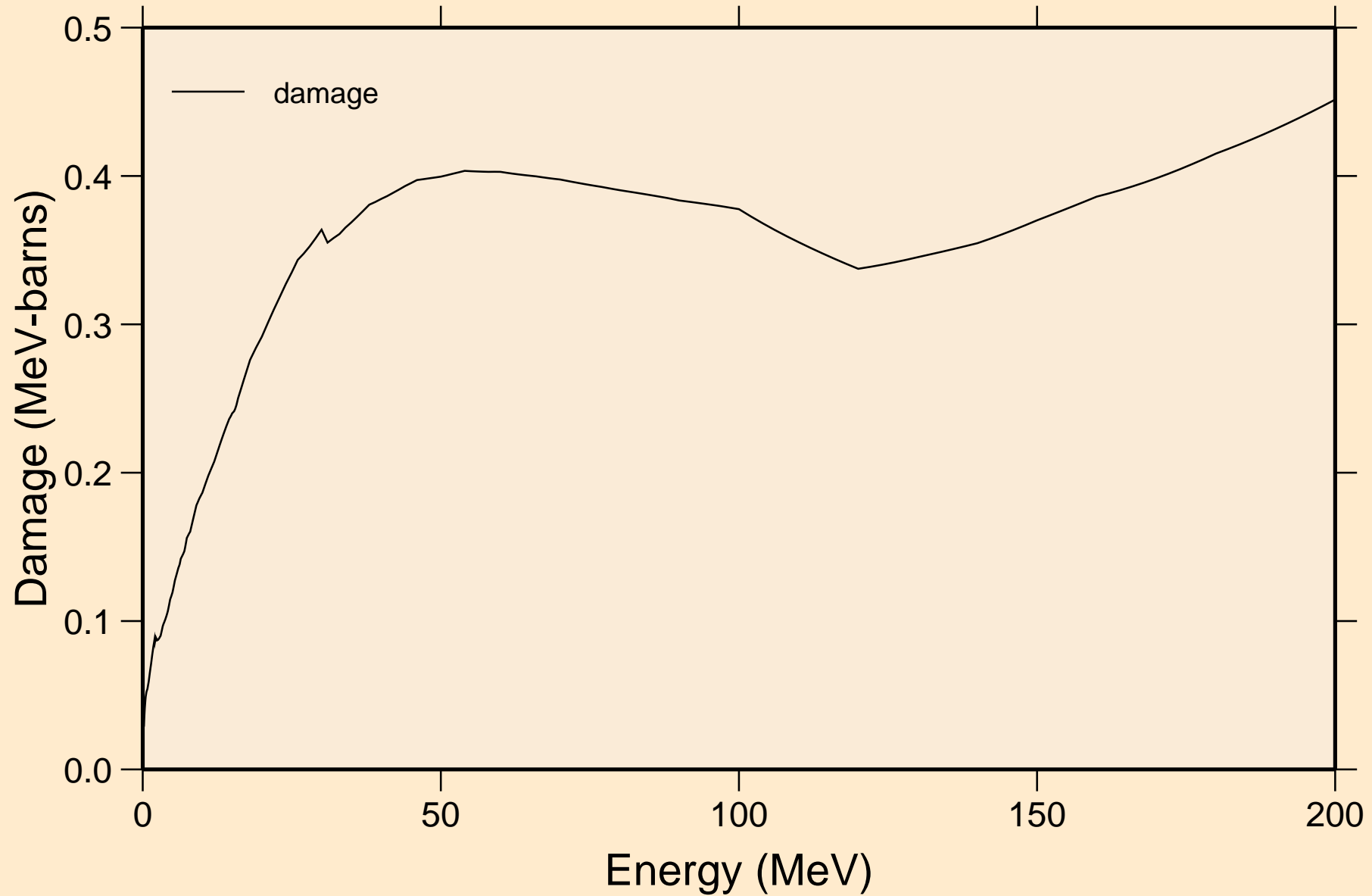
# NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

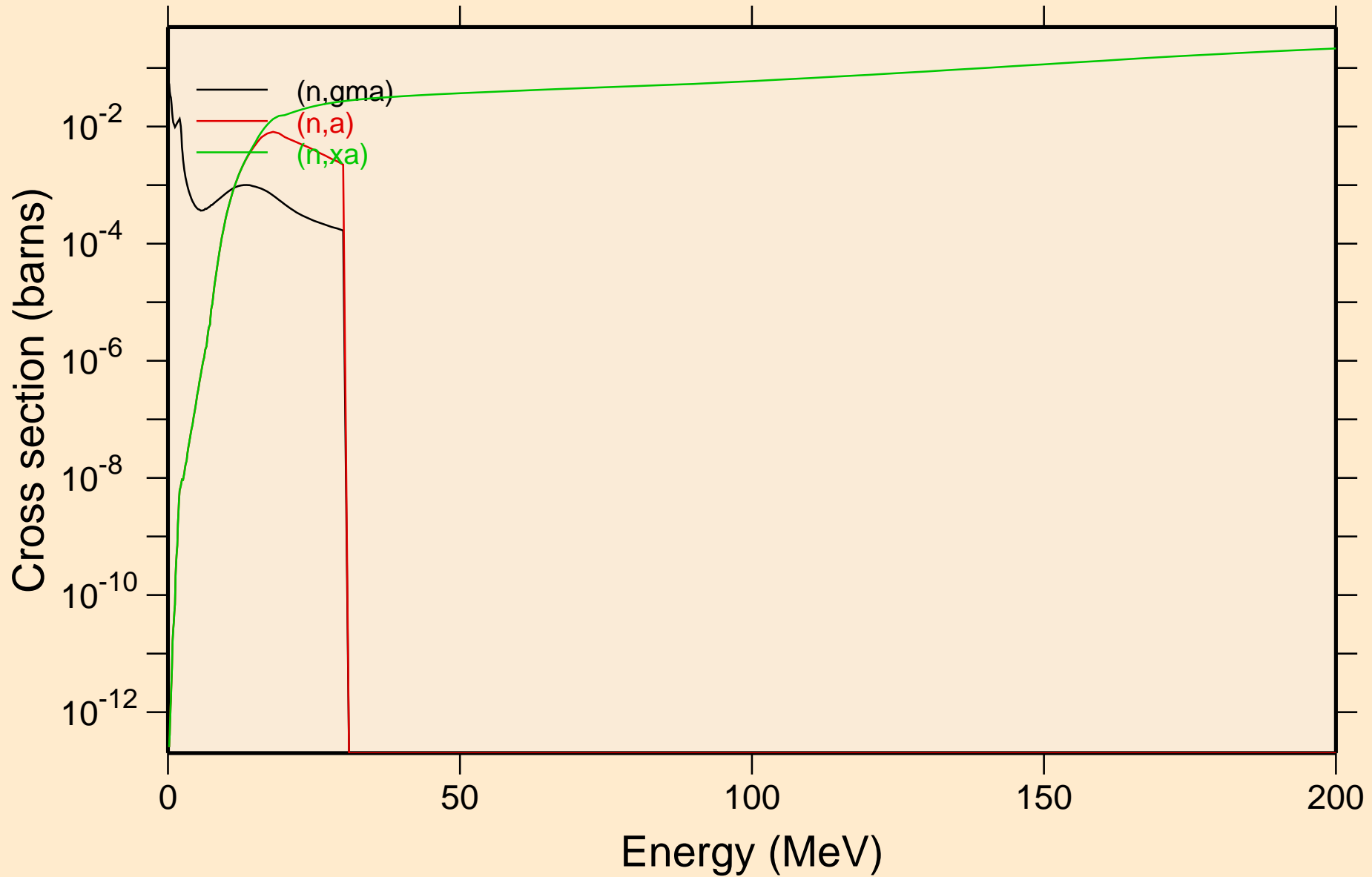


# NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

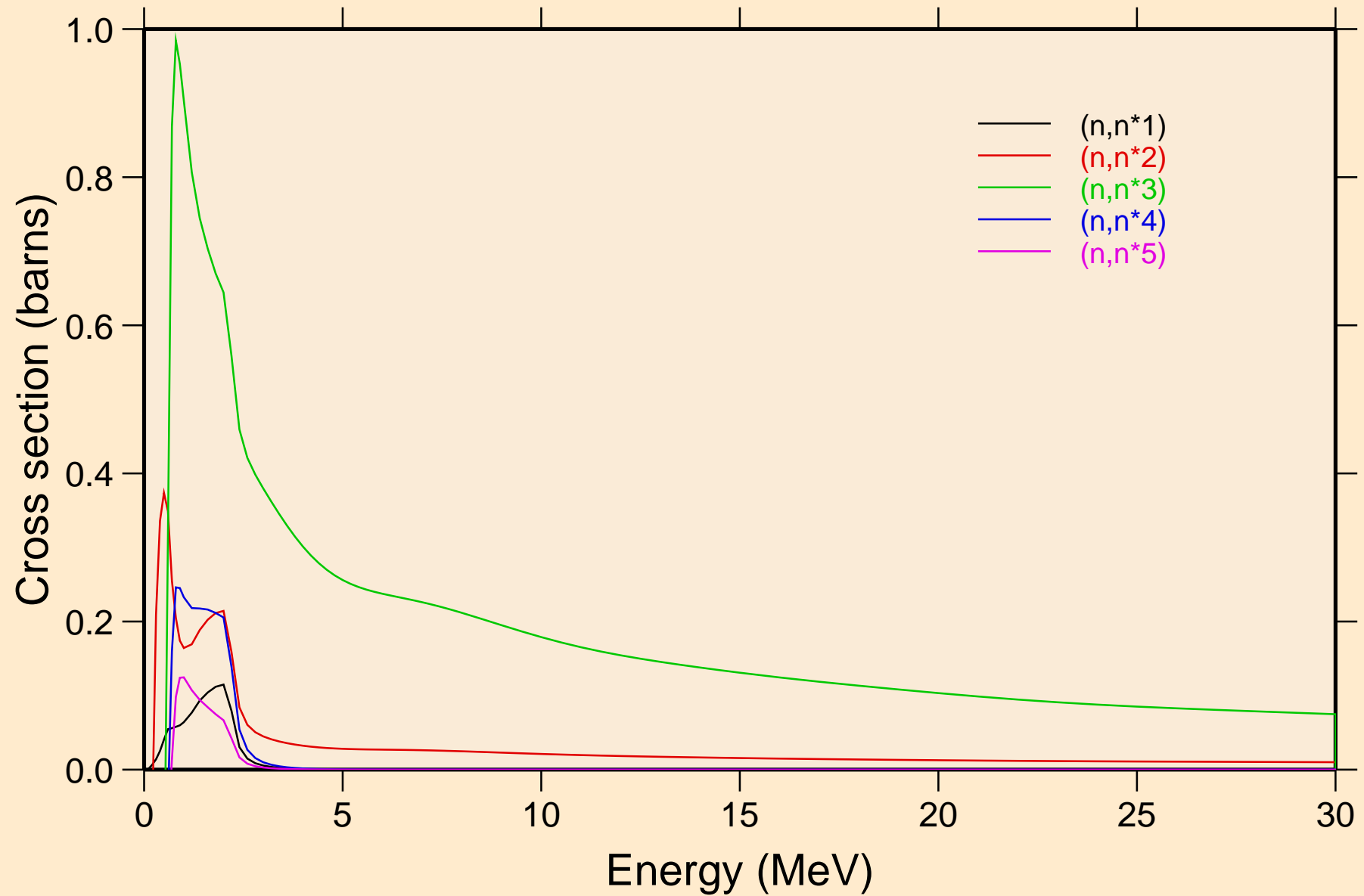


NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

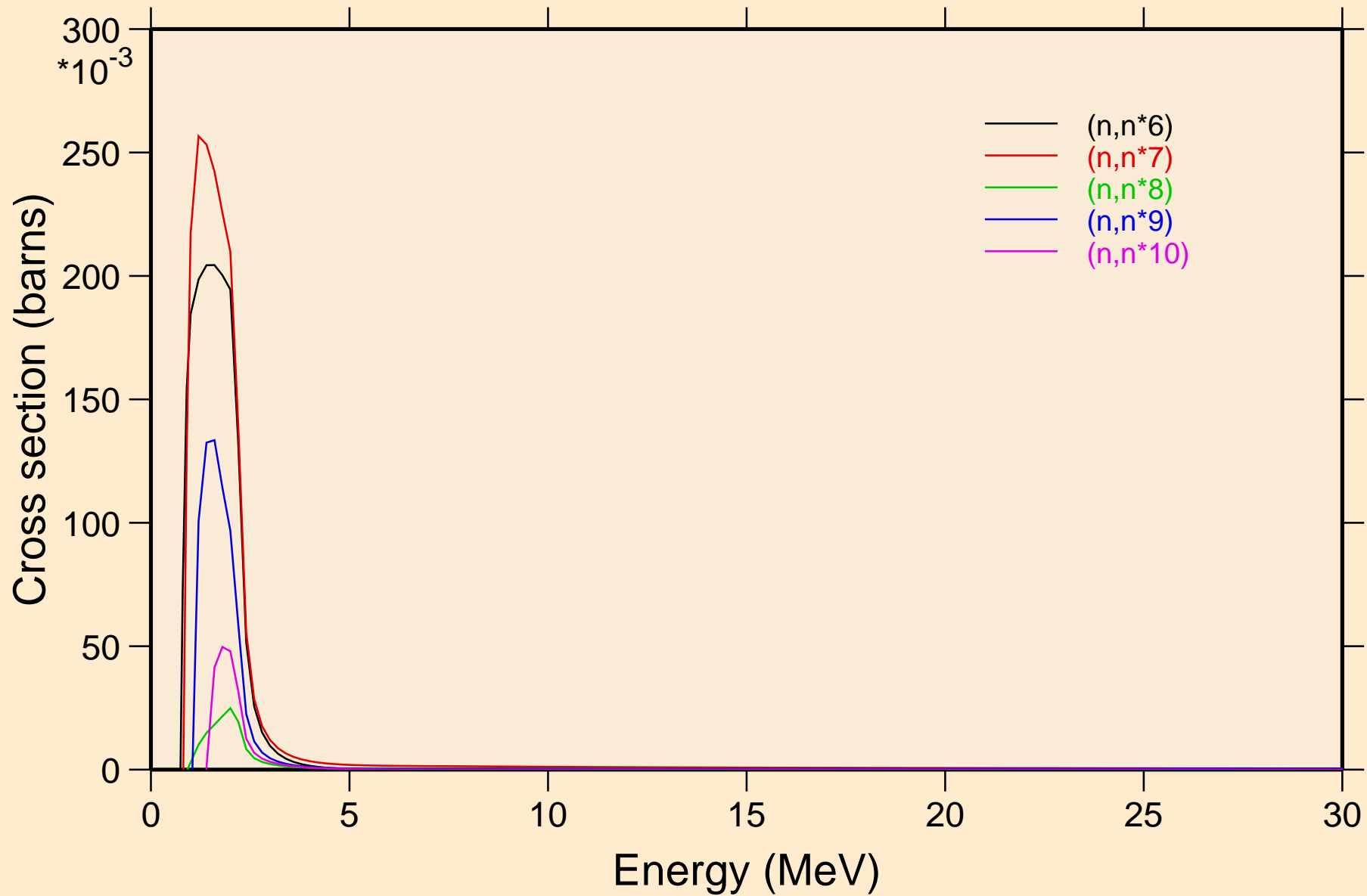




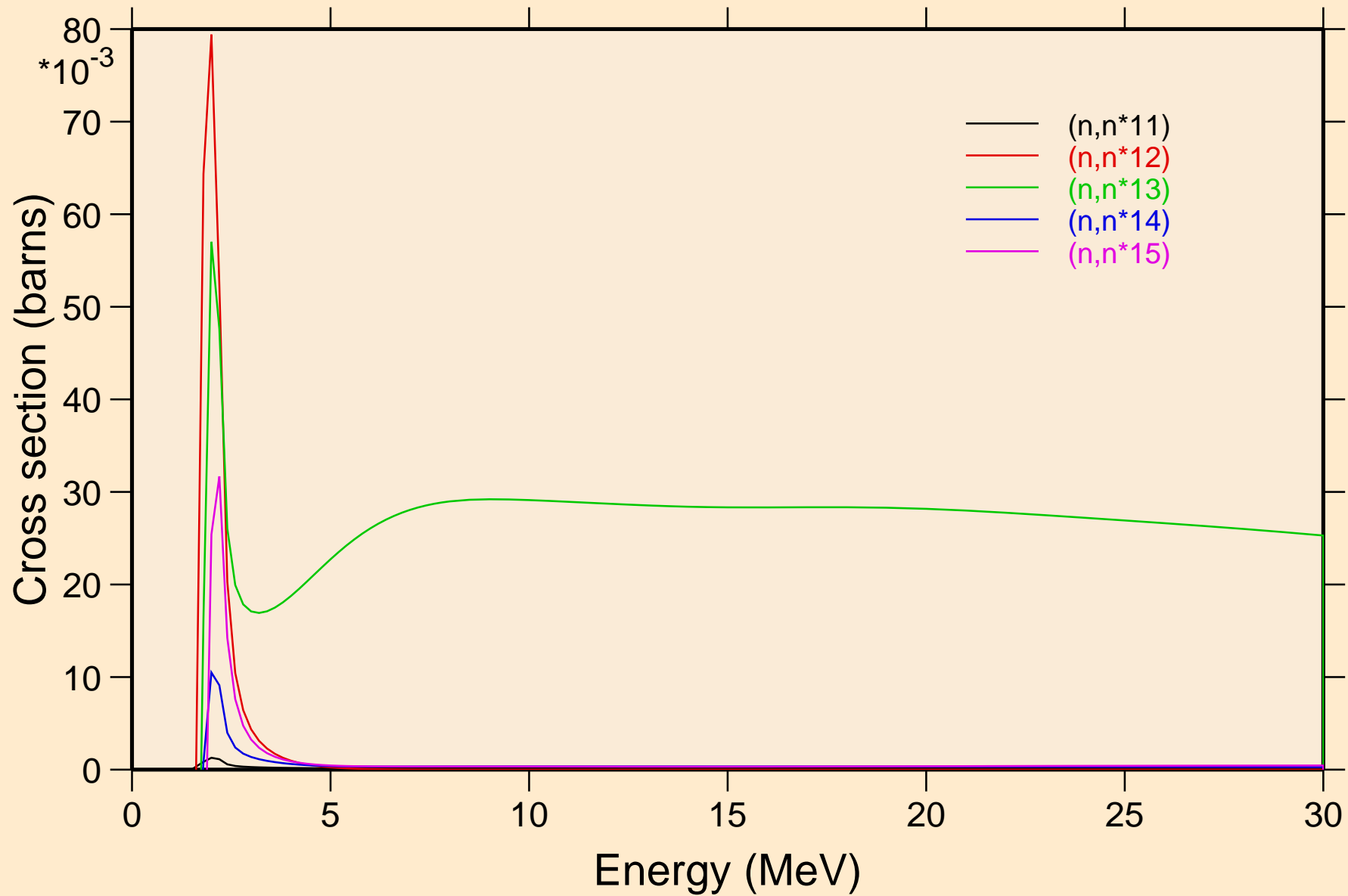
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



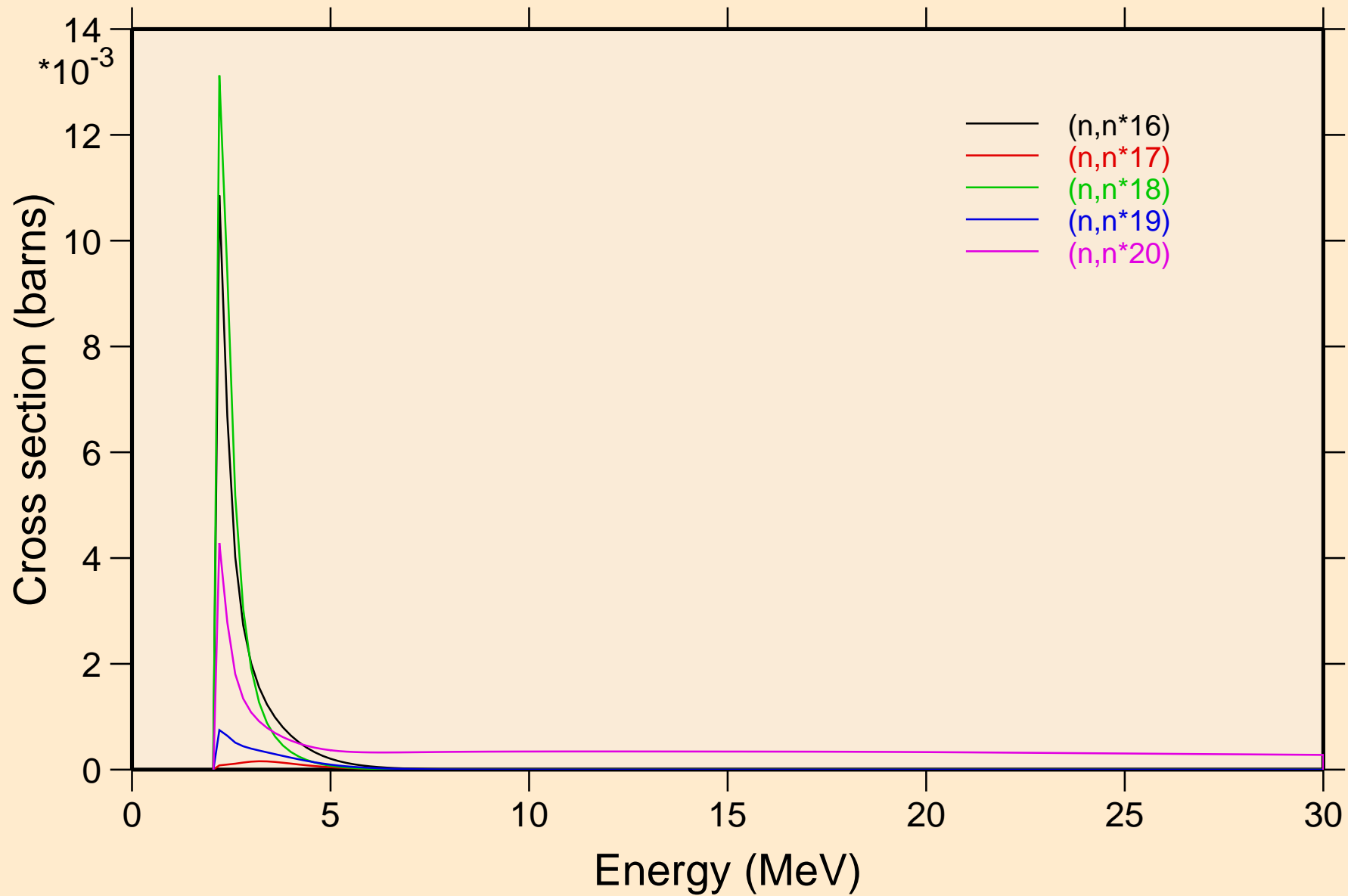
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



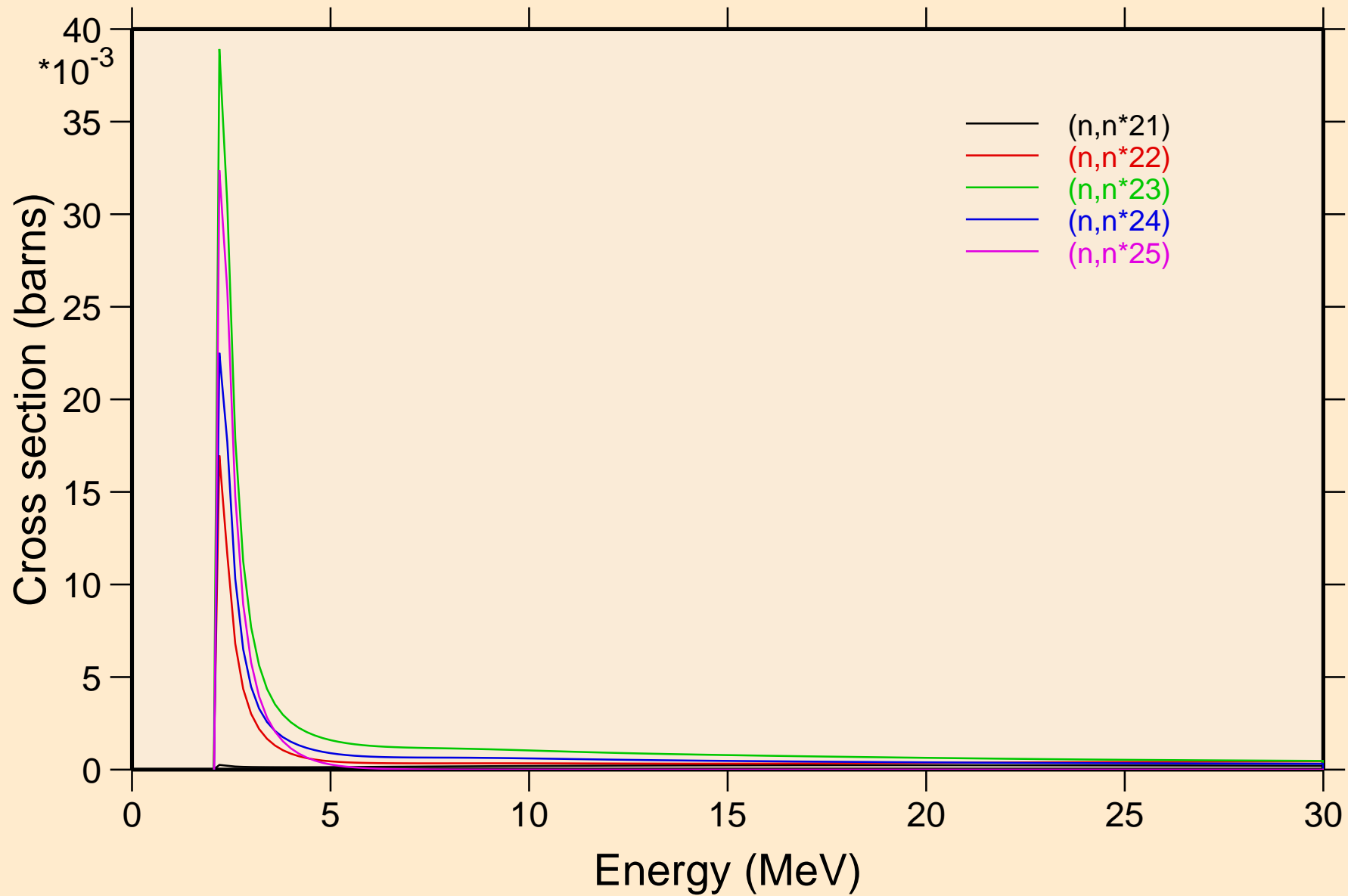
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



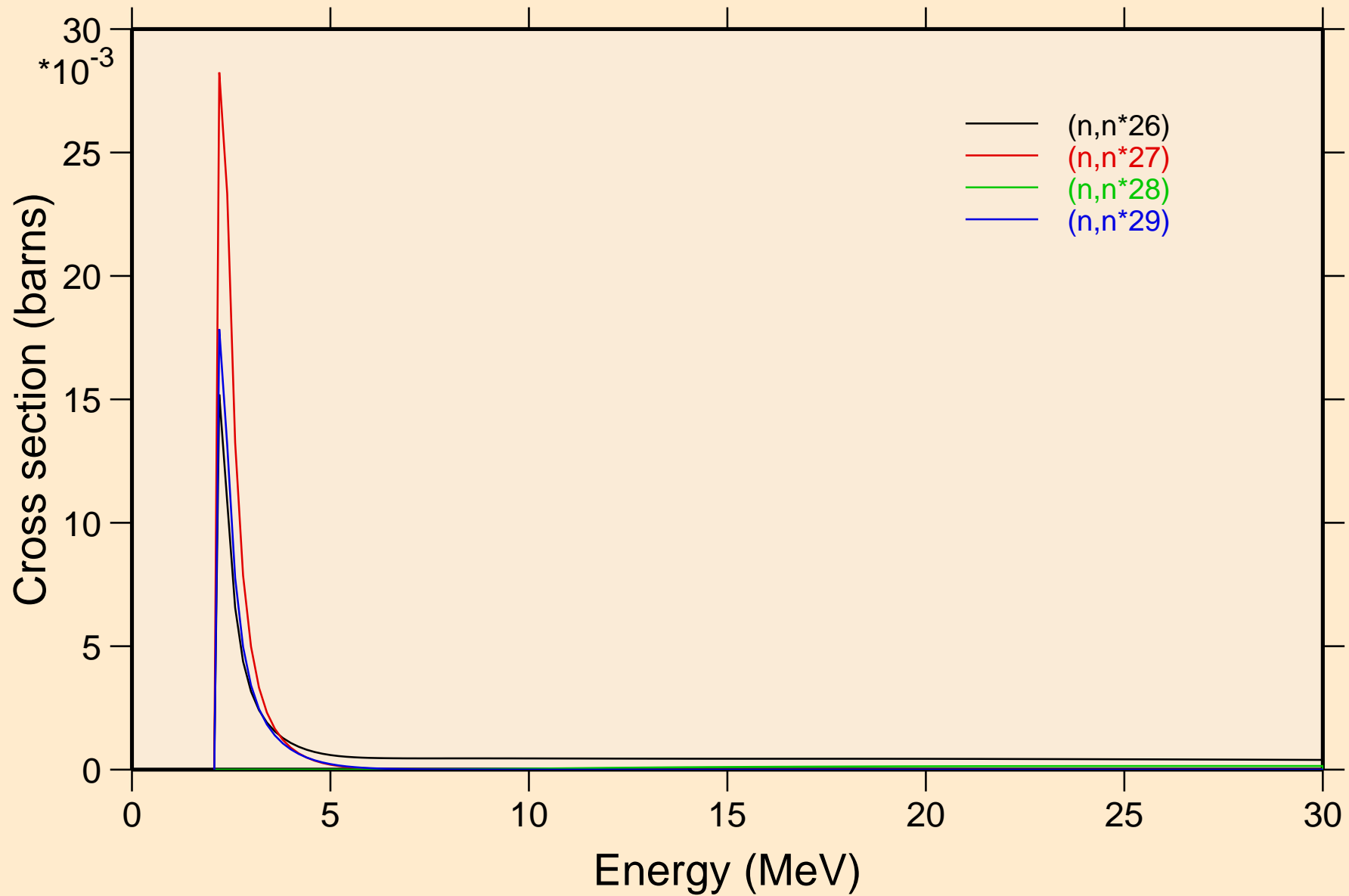
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



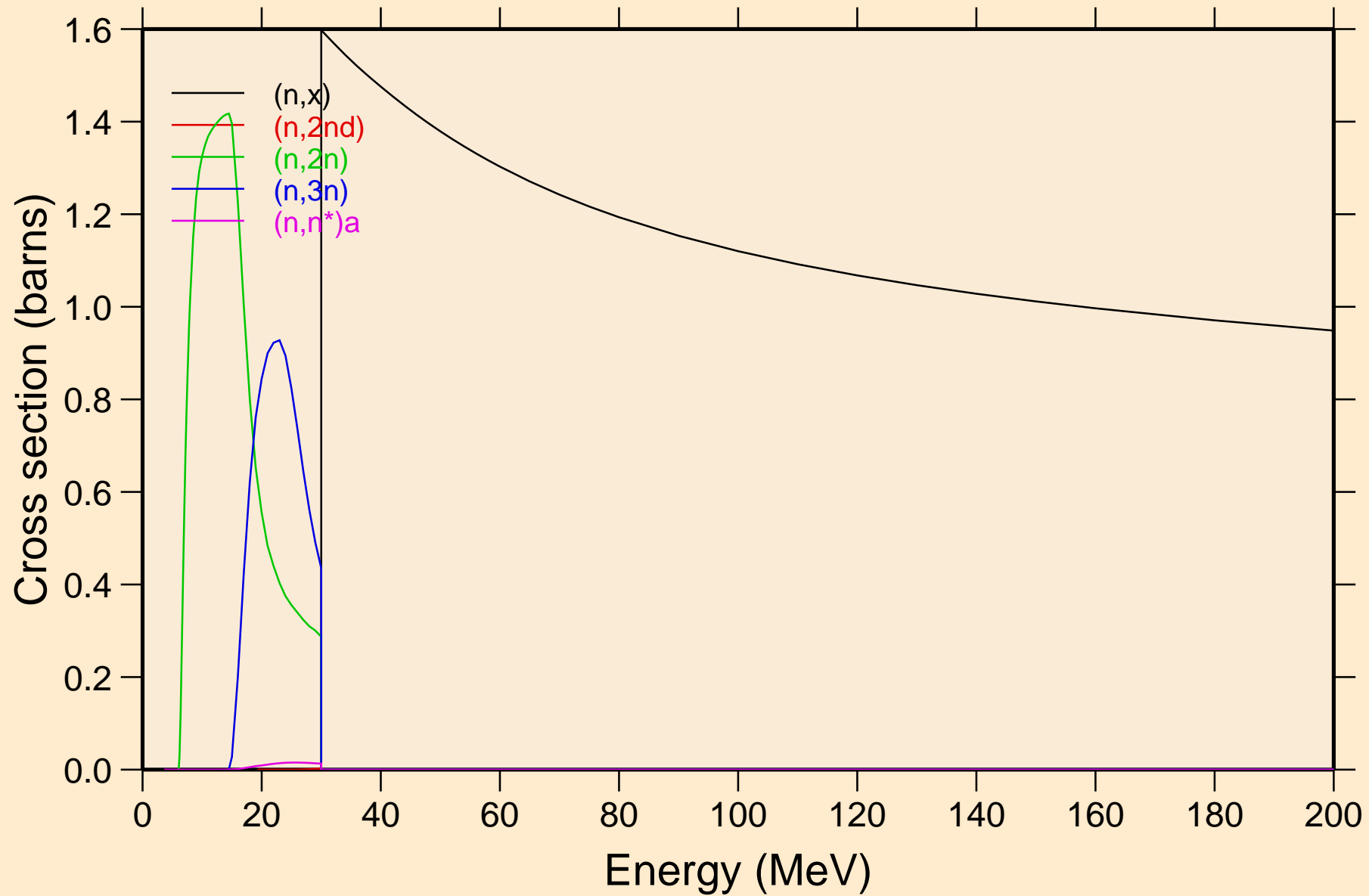
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



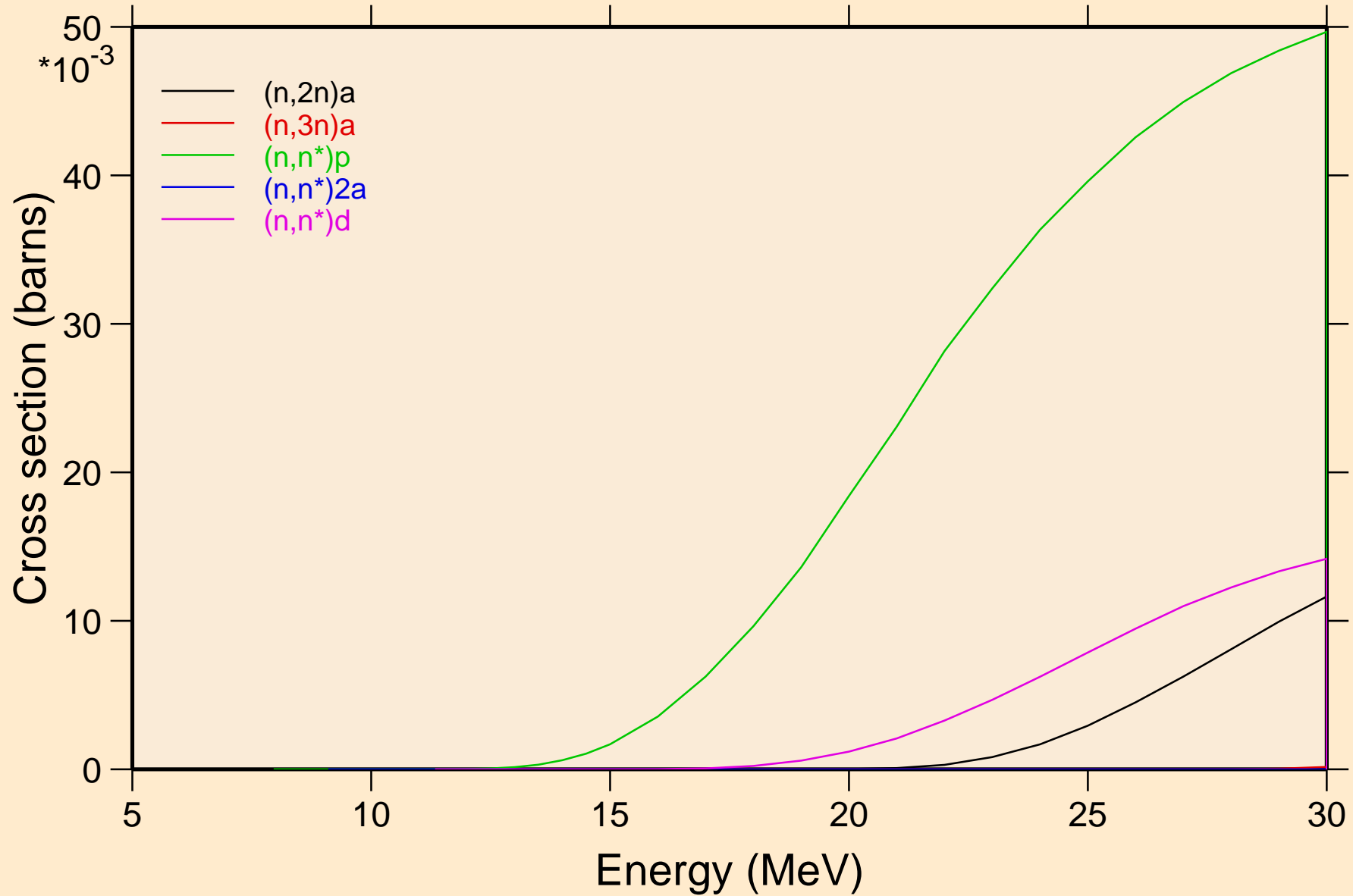
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

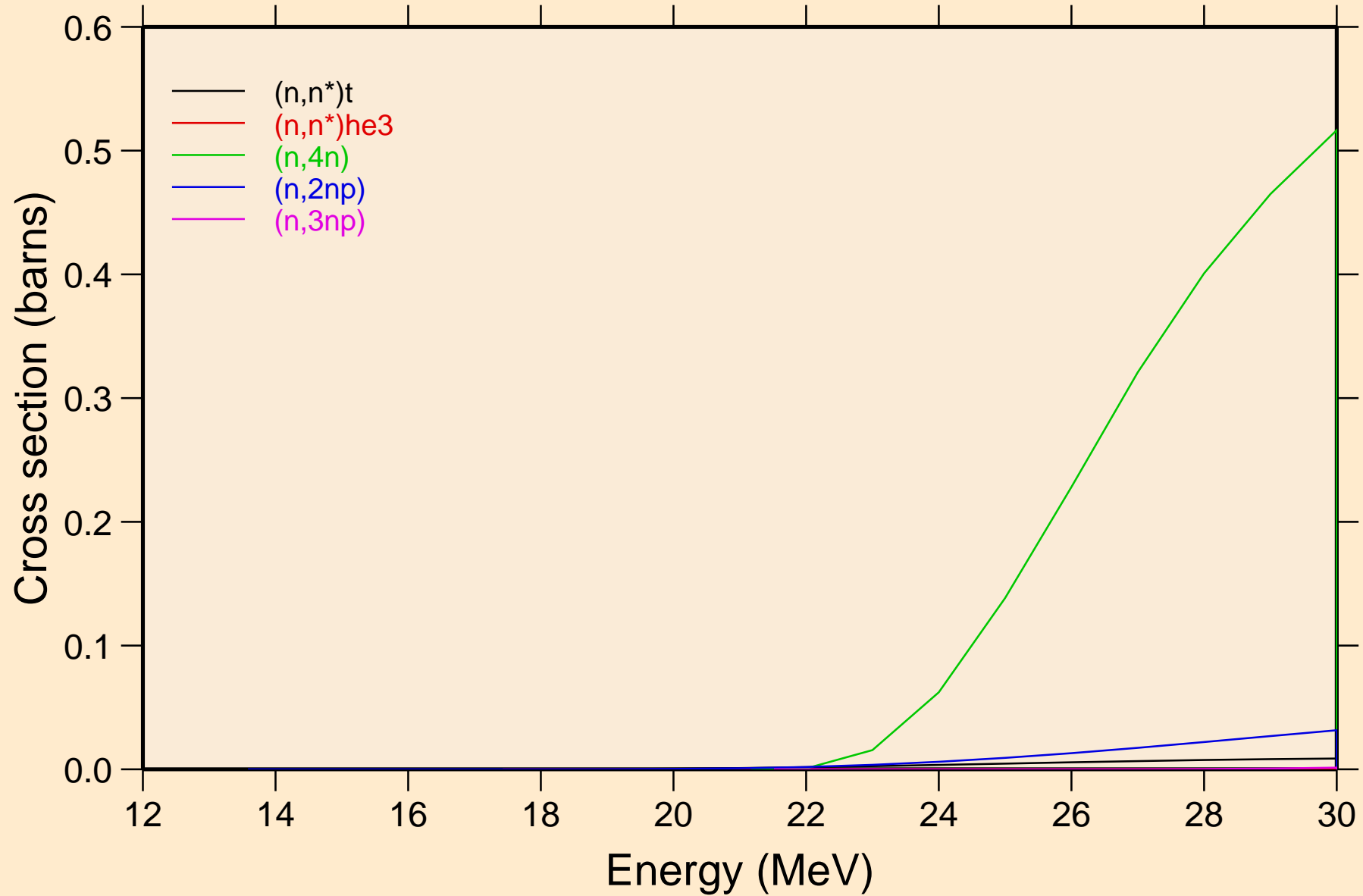


NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

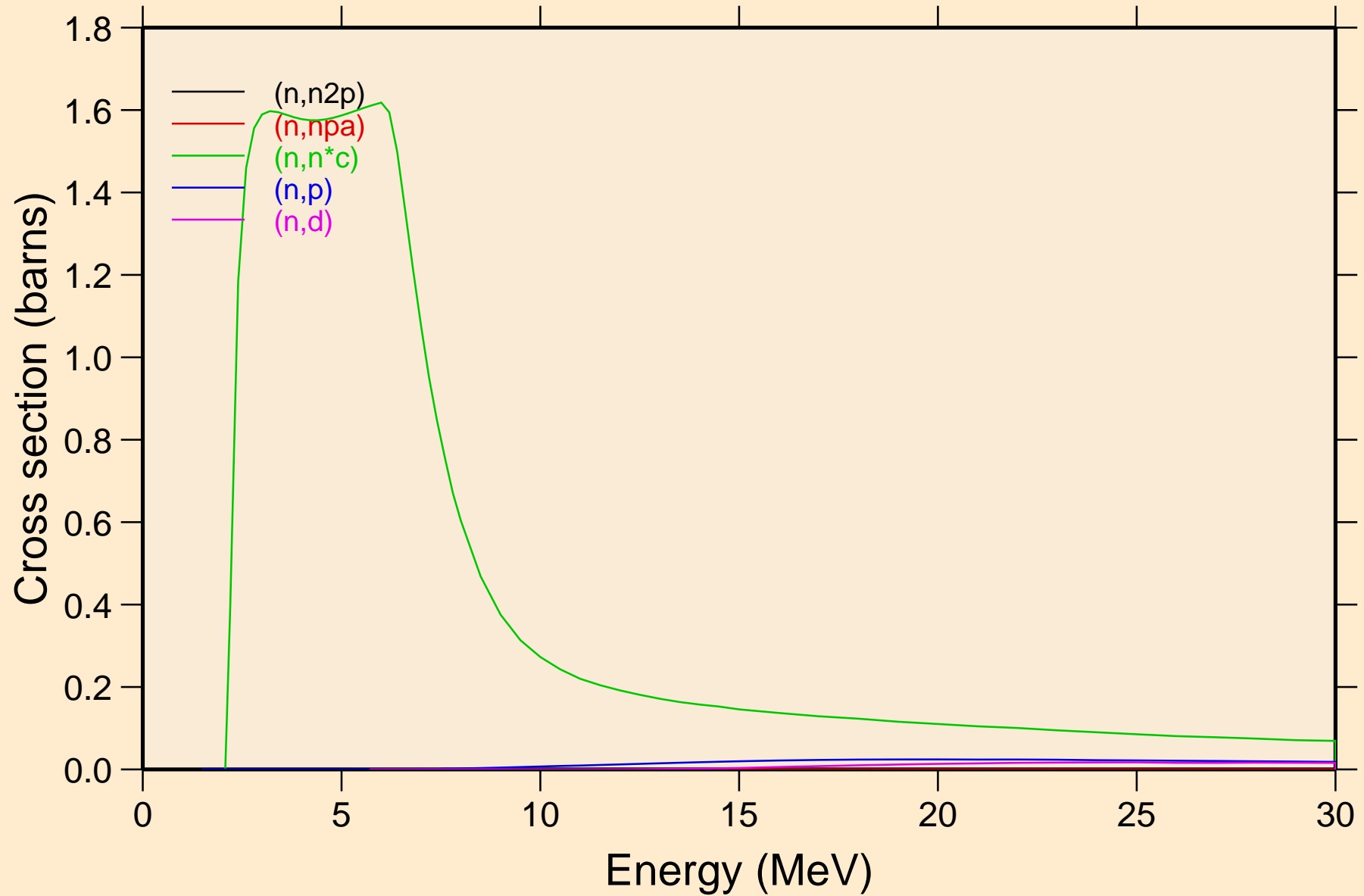




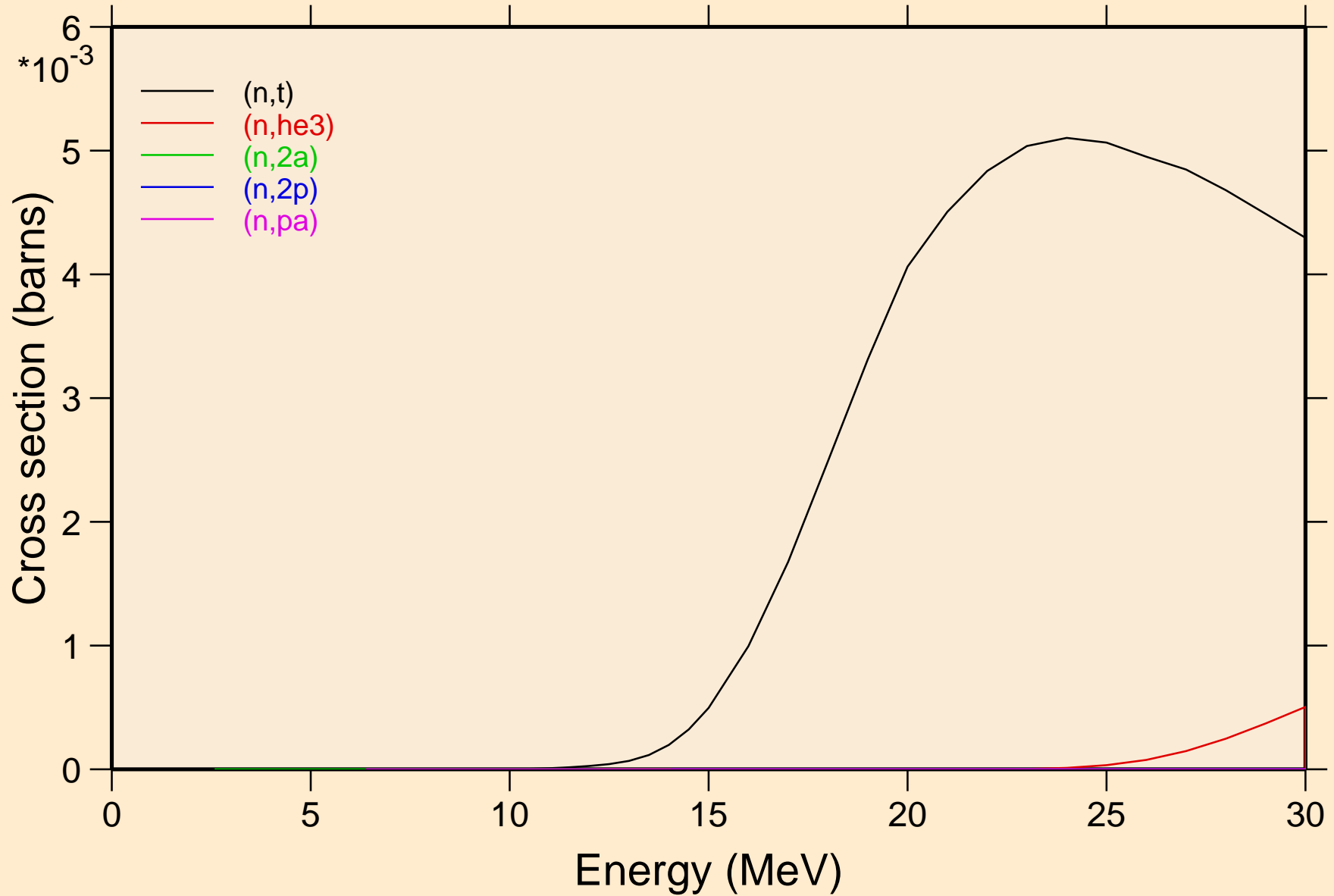
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



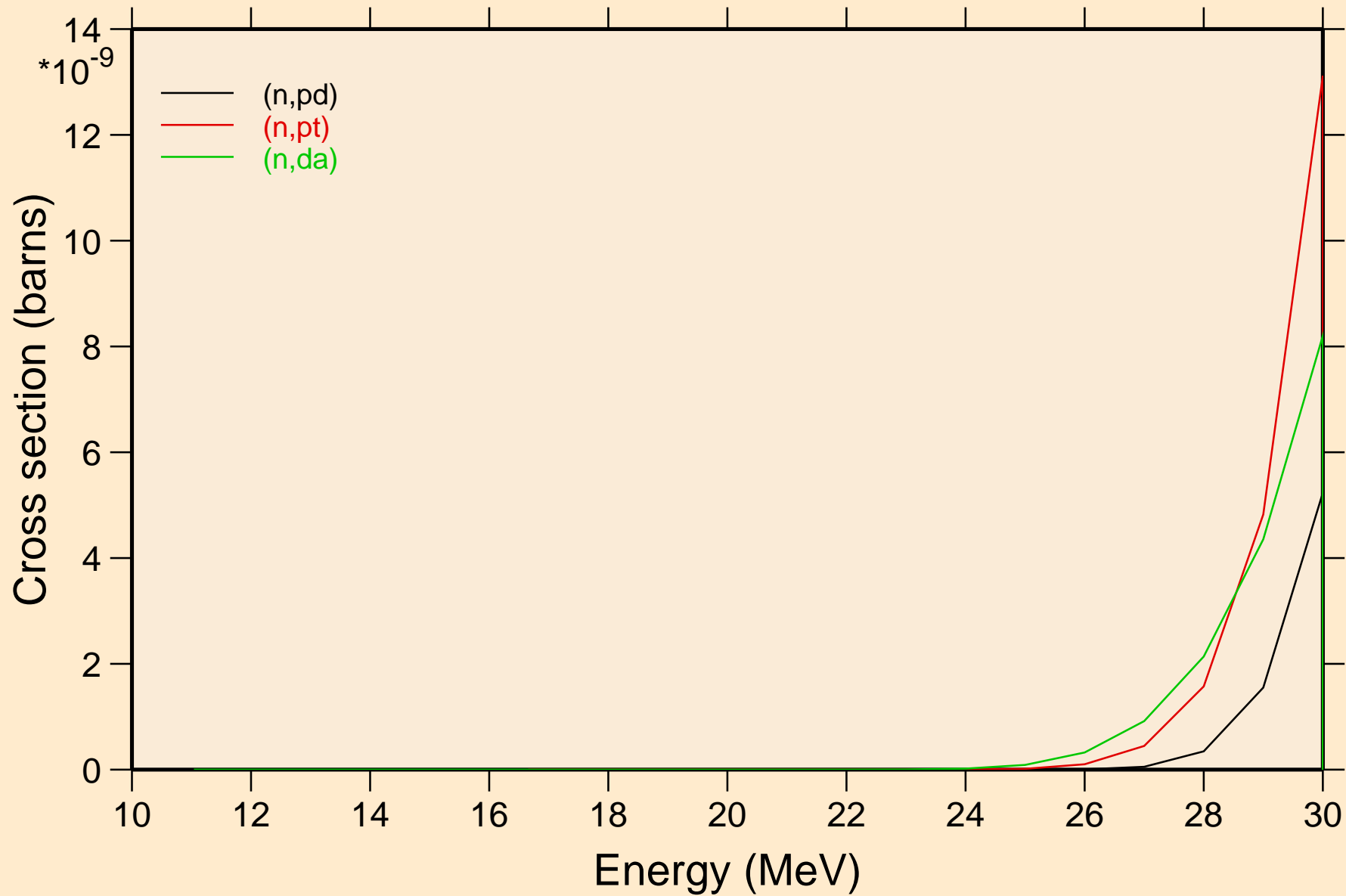
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



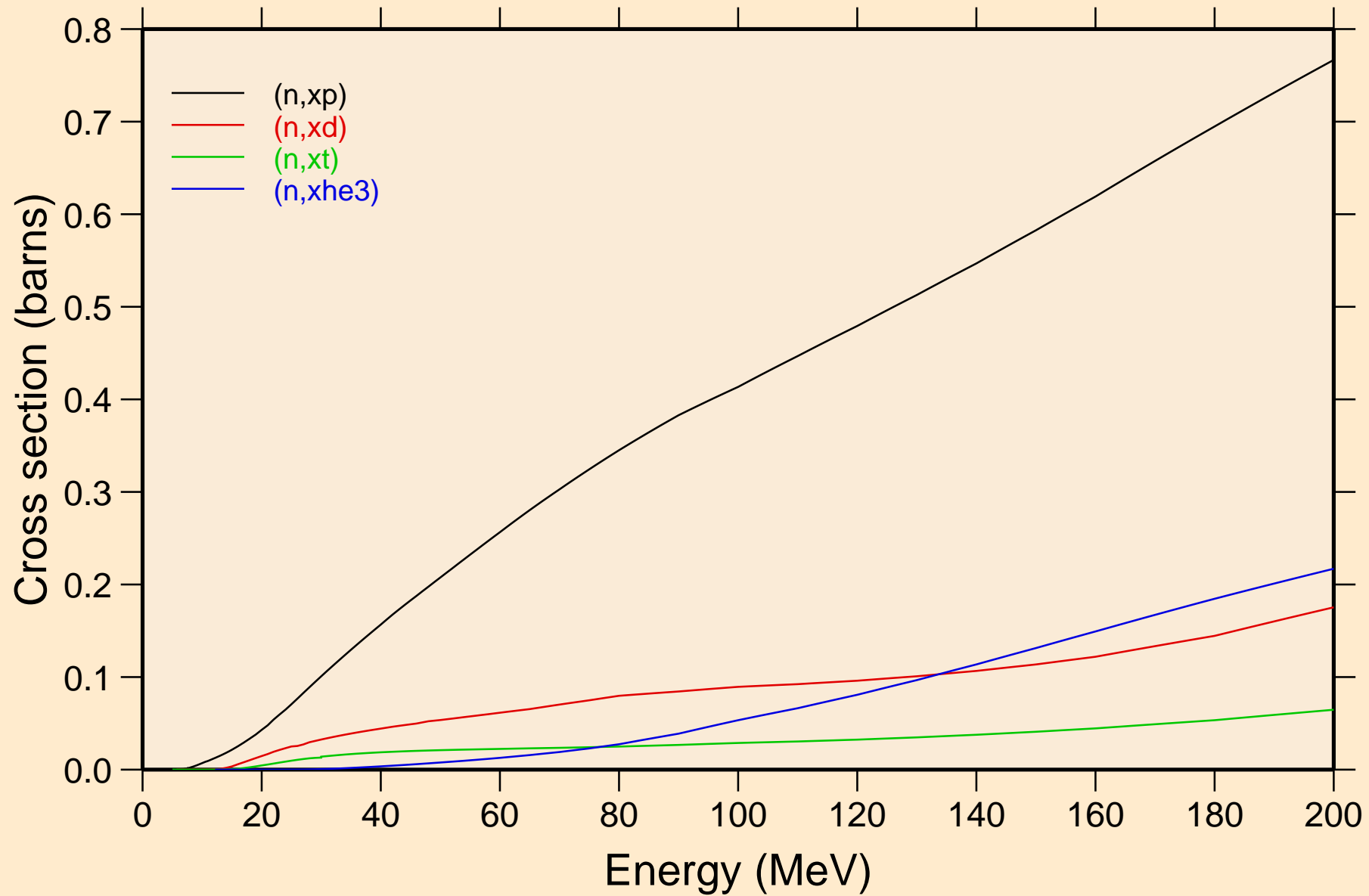
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Threshold reactions



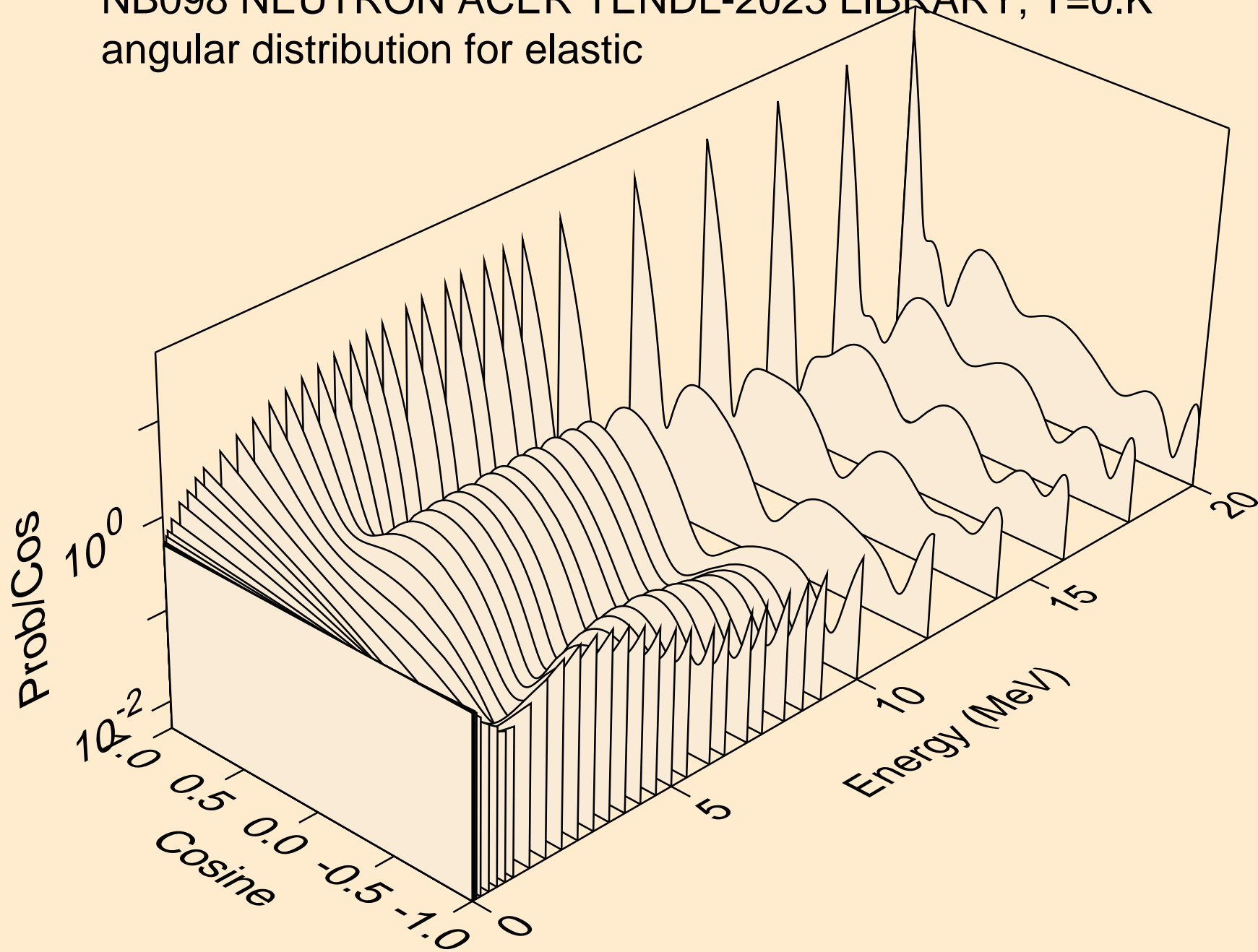
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



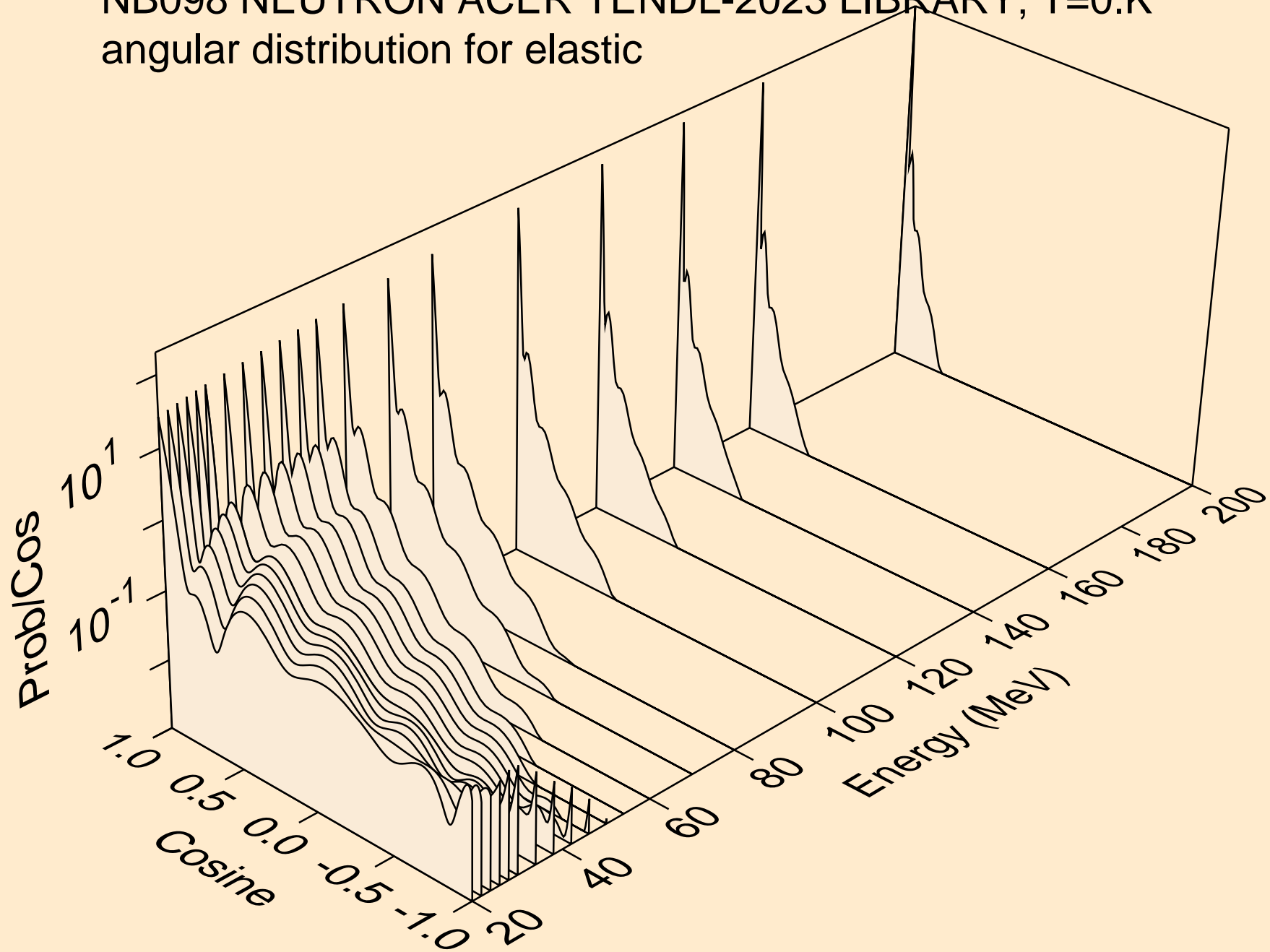
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



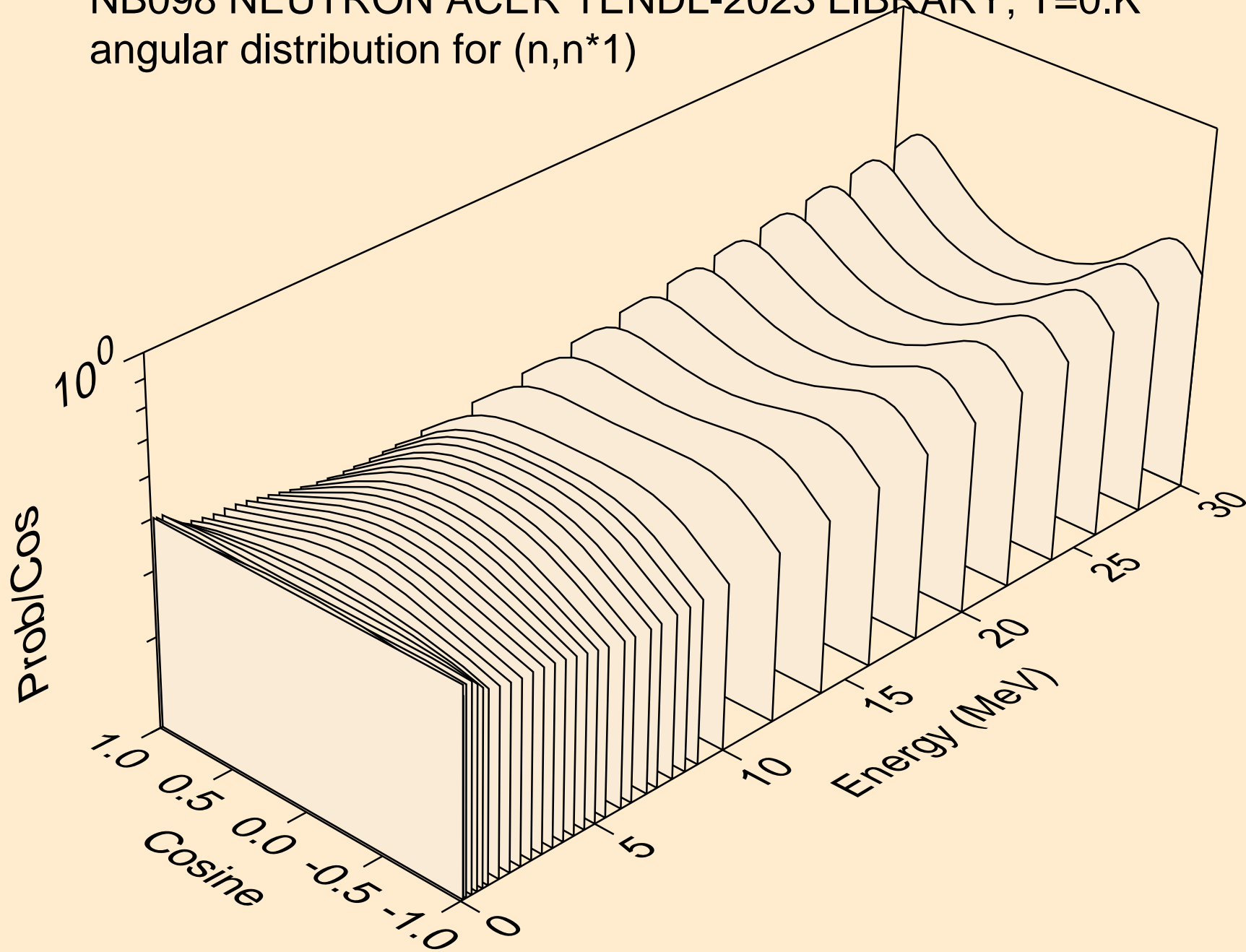
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

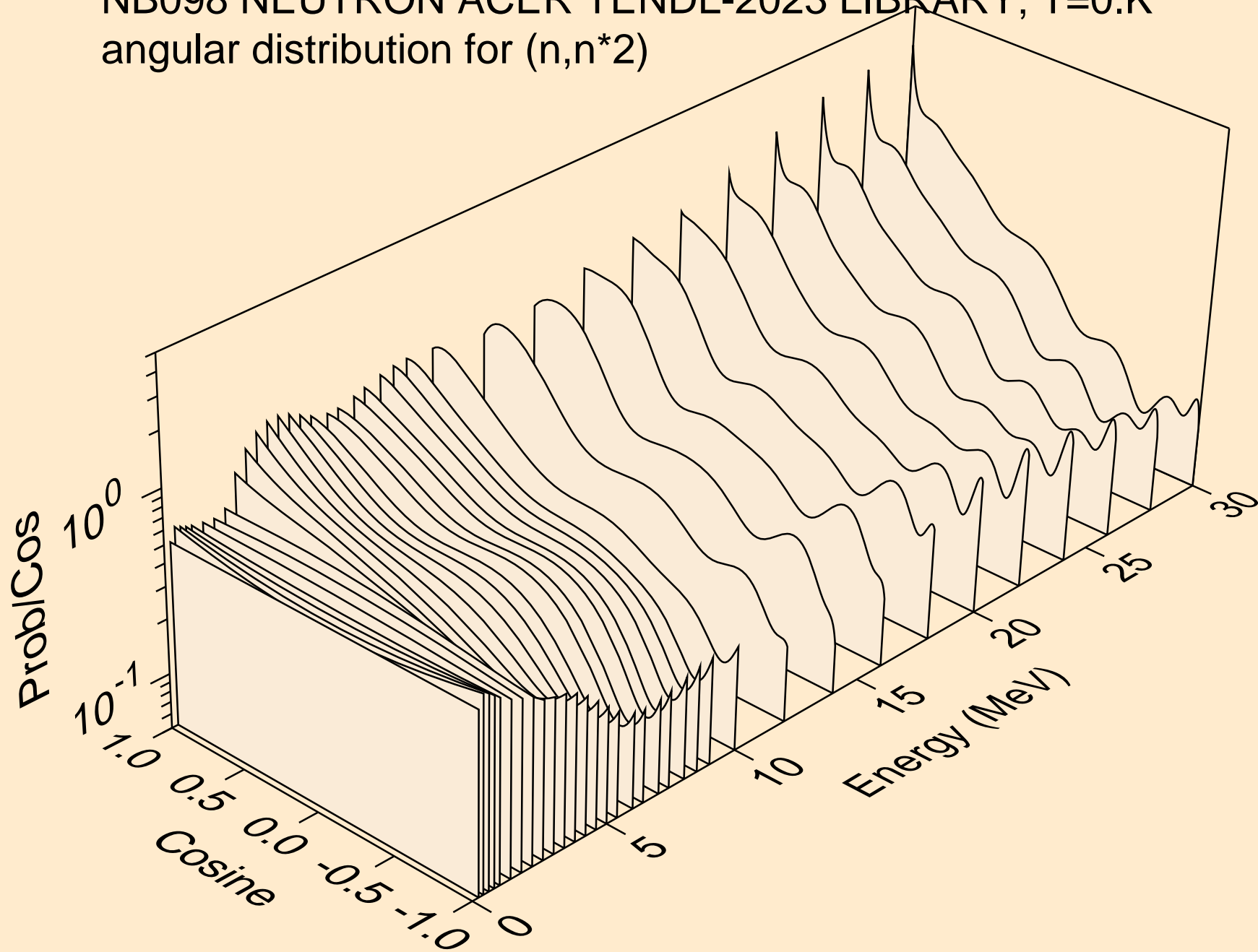


NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

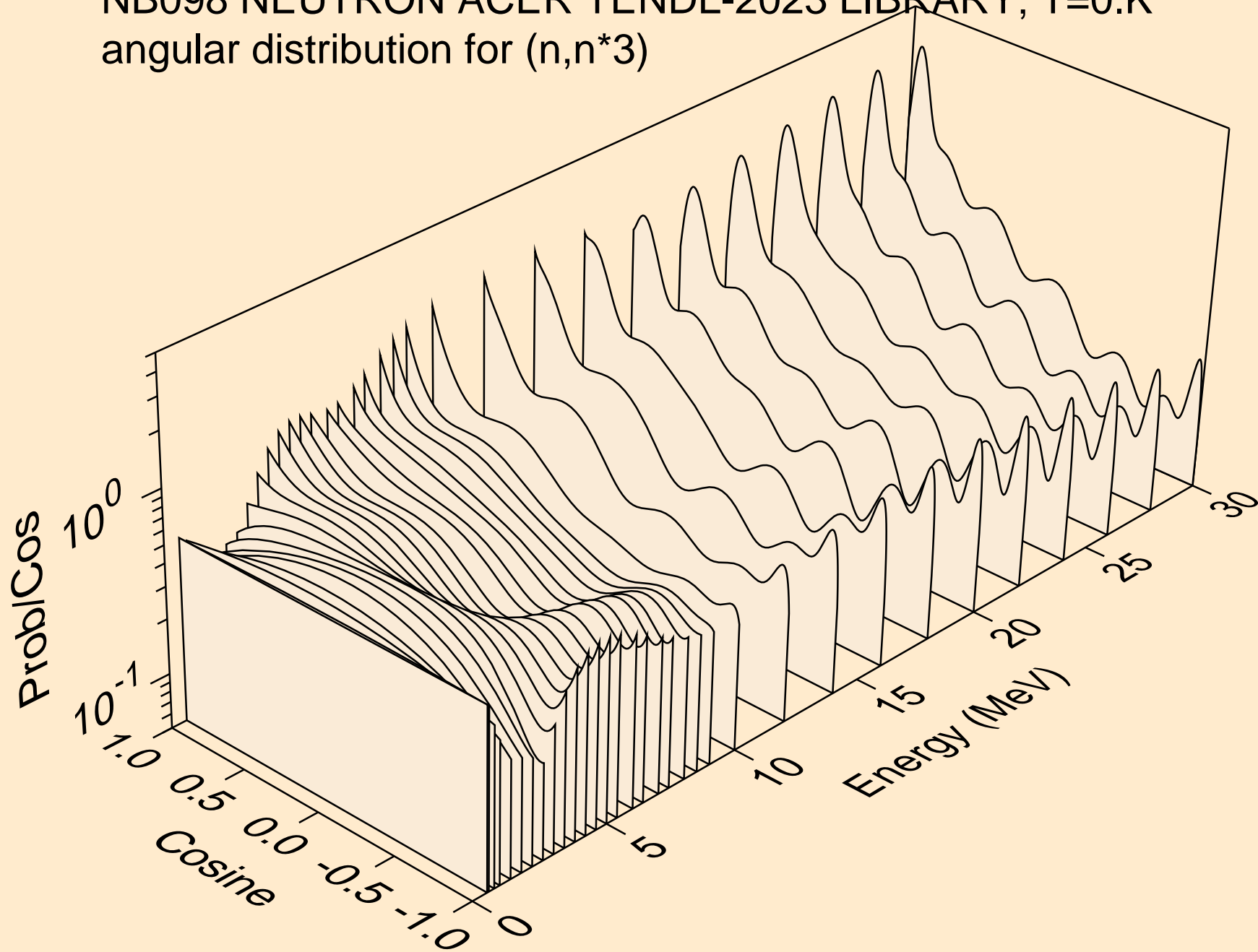




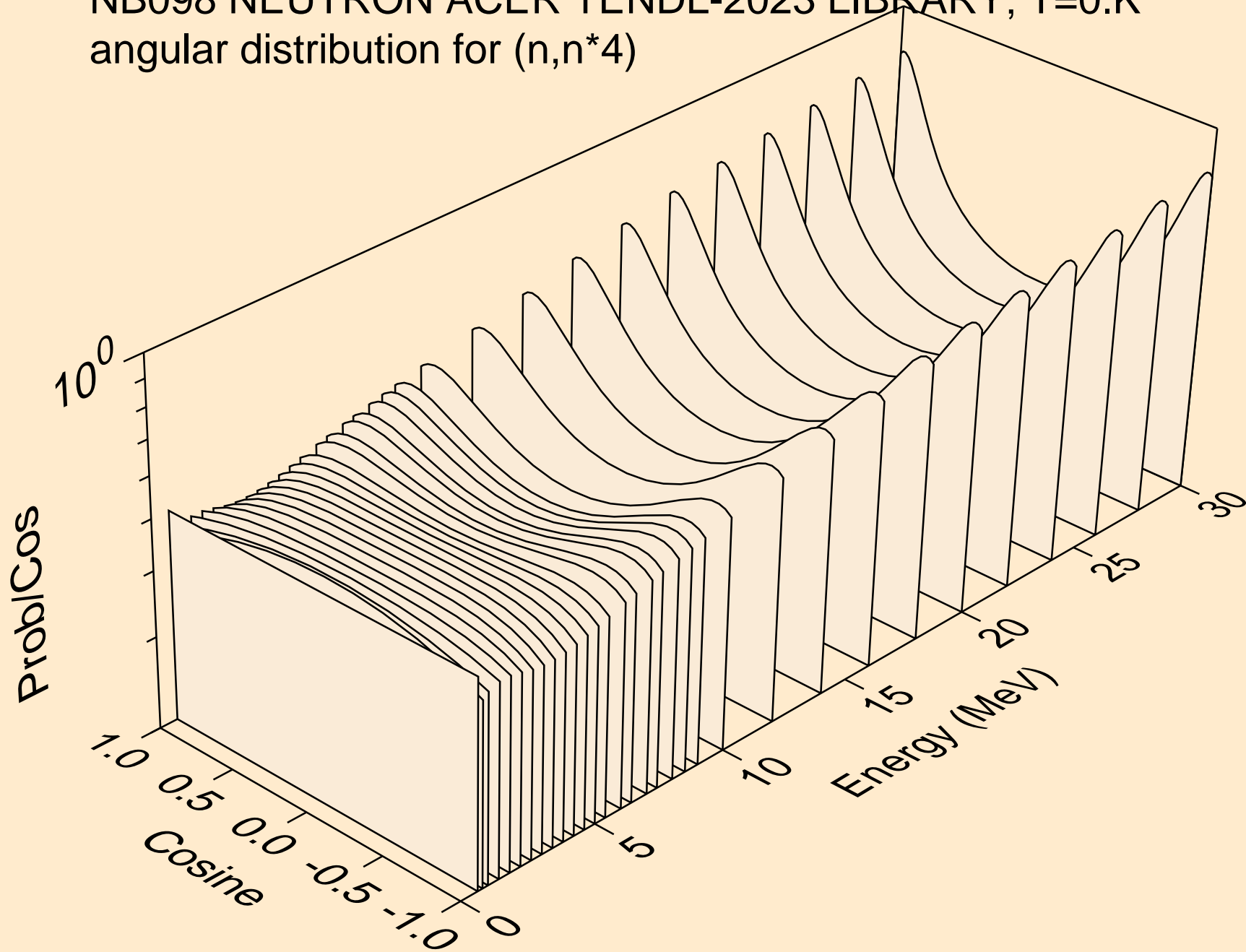
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angular distribution for (n,n\*2)



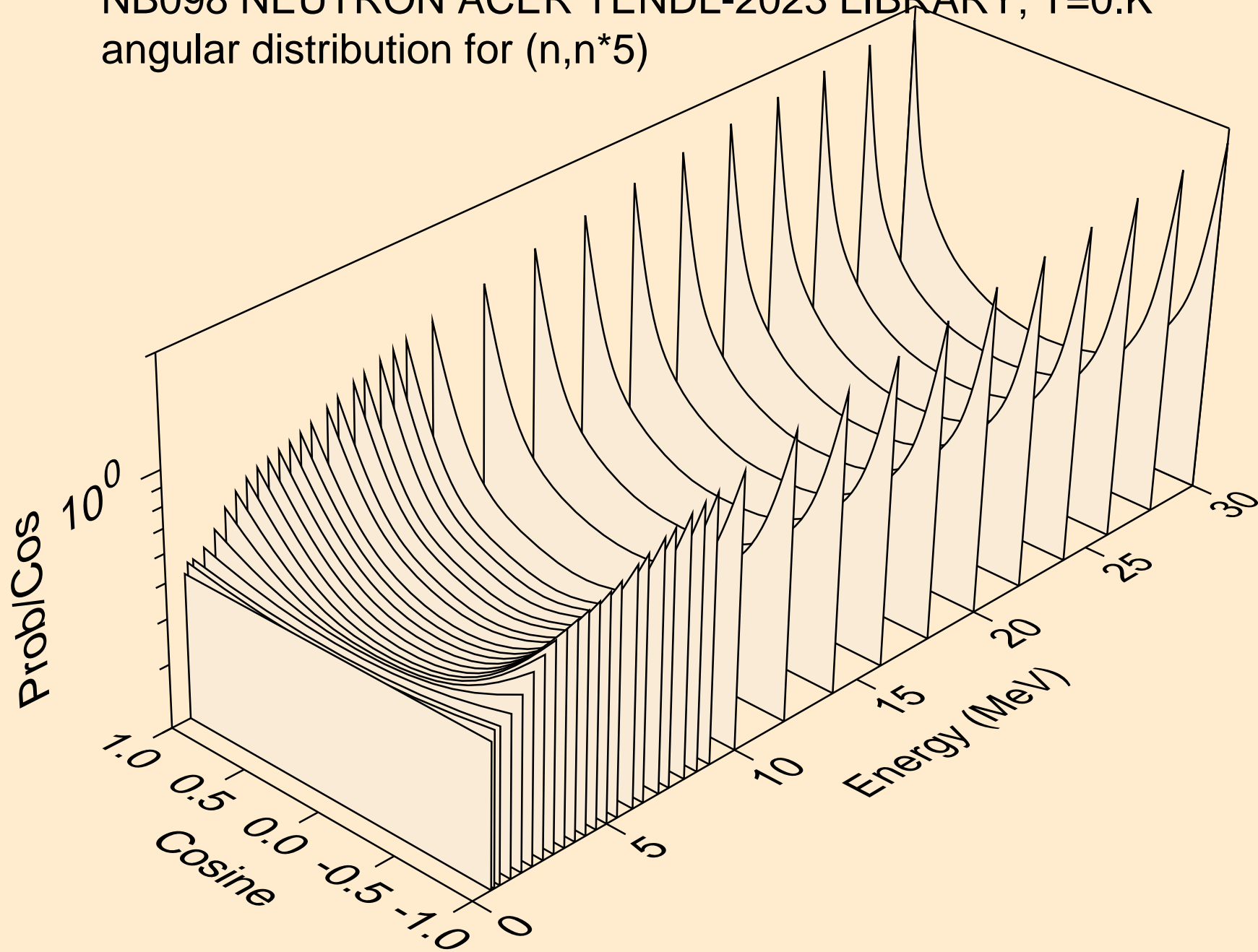
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



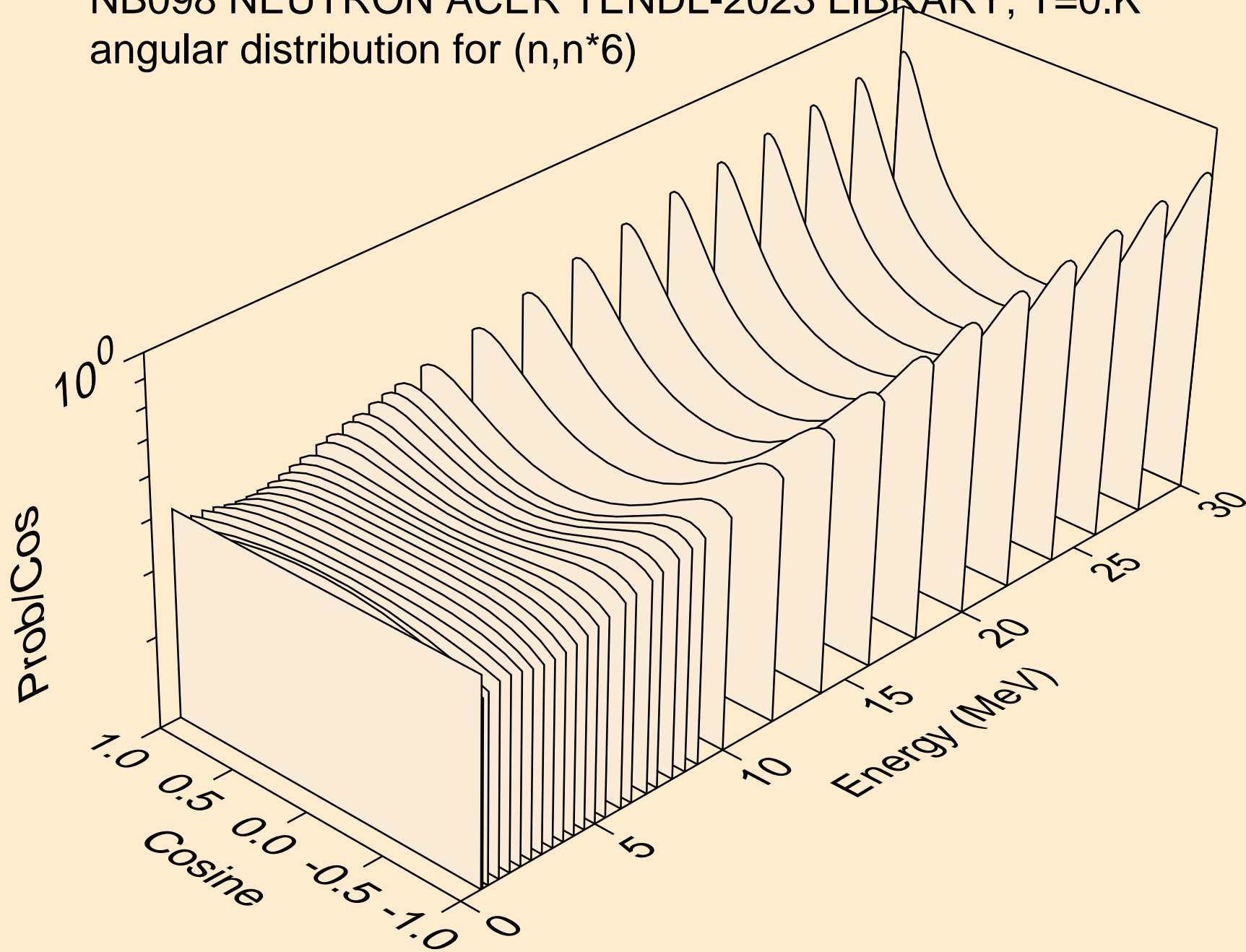
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



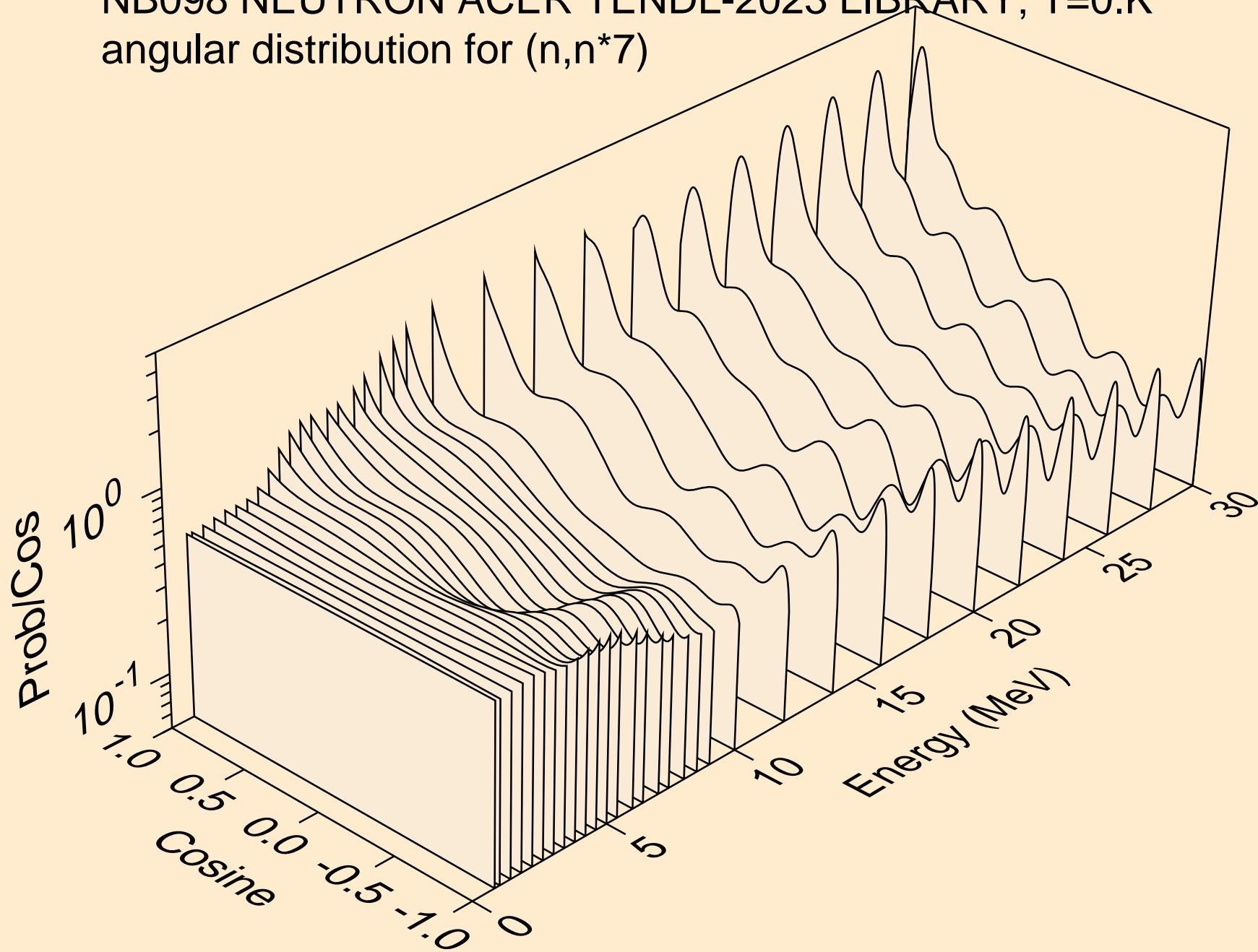
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



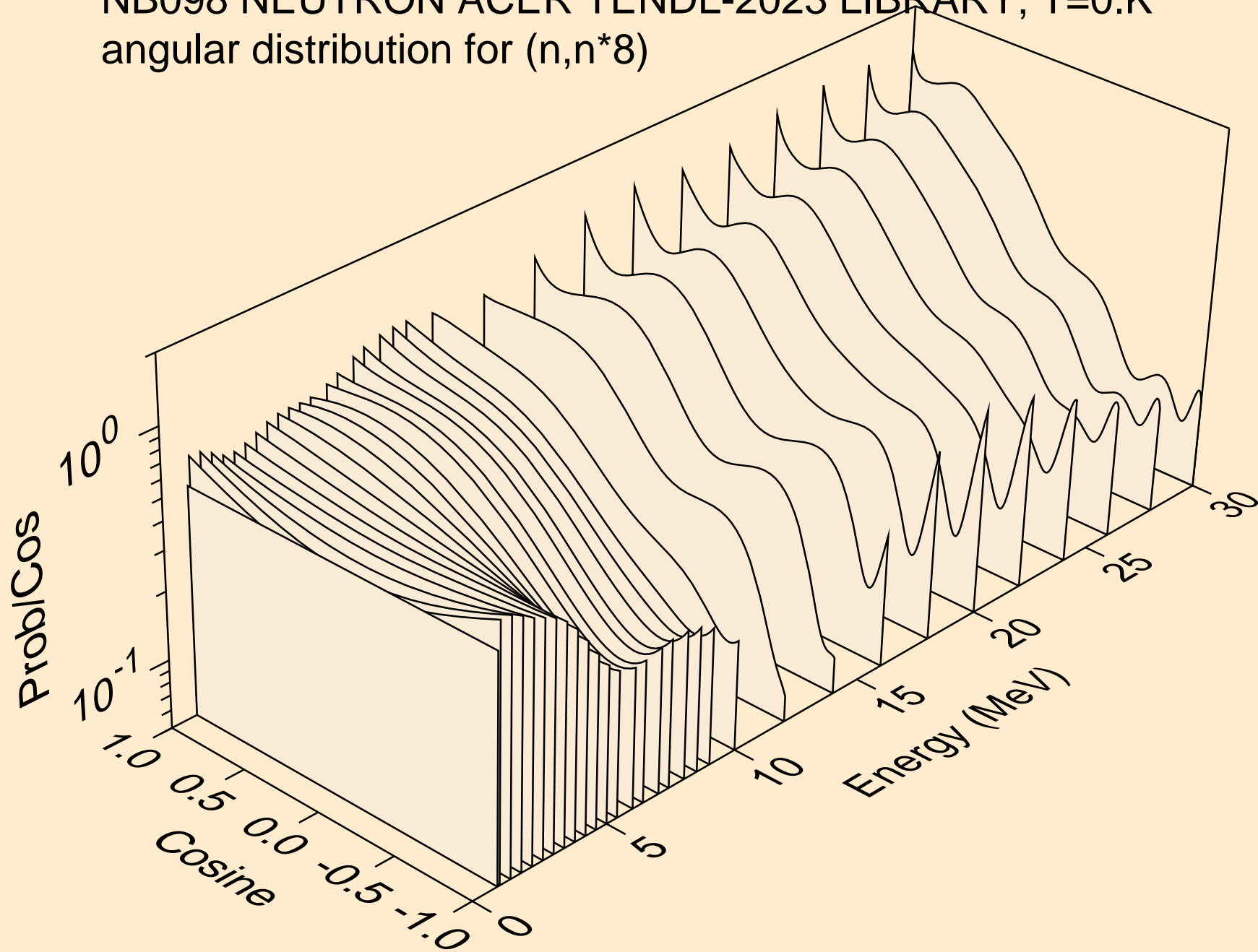
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angular distribution for (n,n\*6)



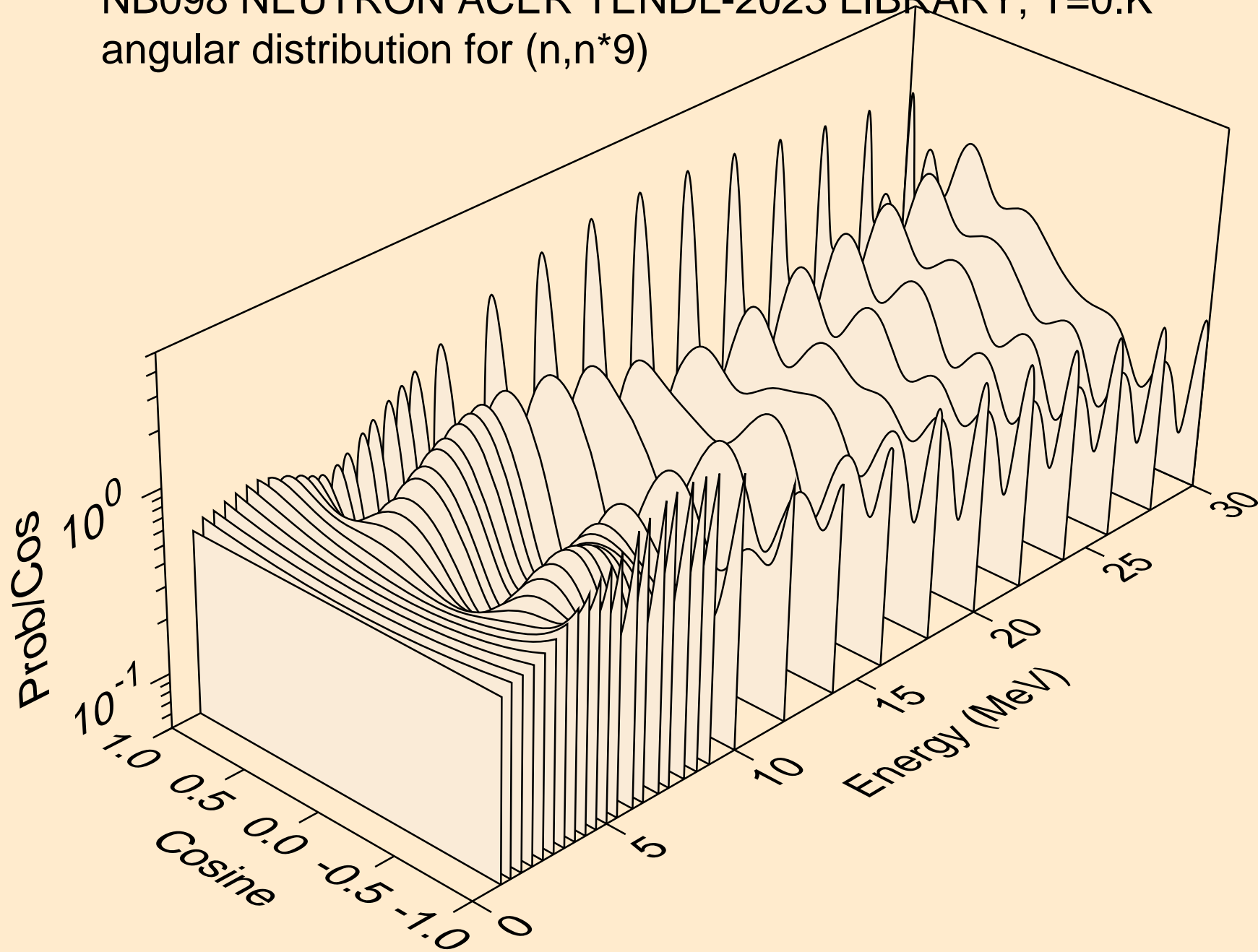
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)

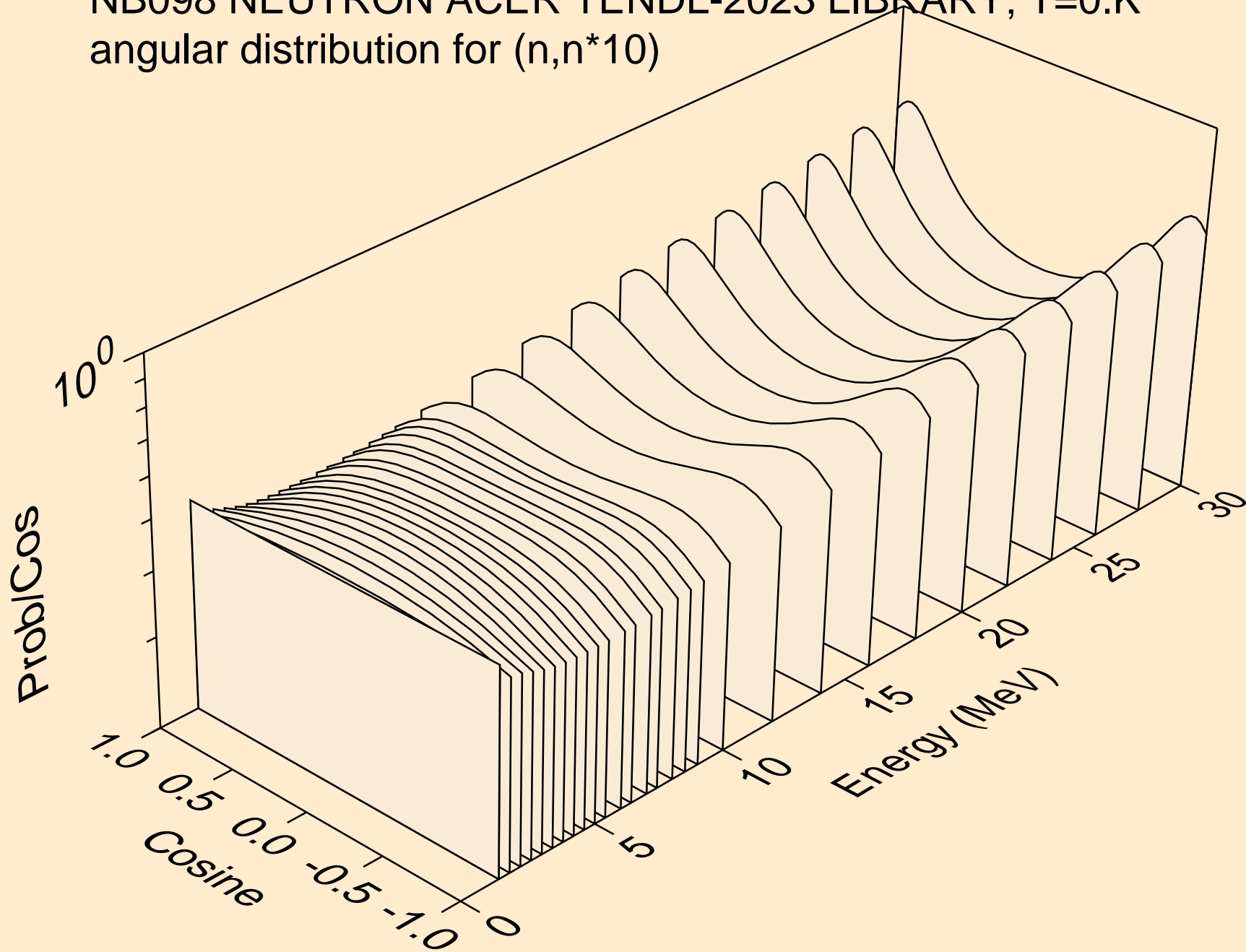


NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

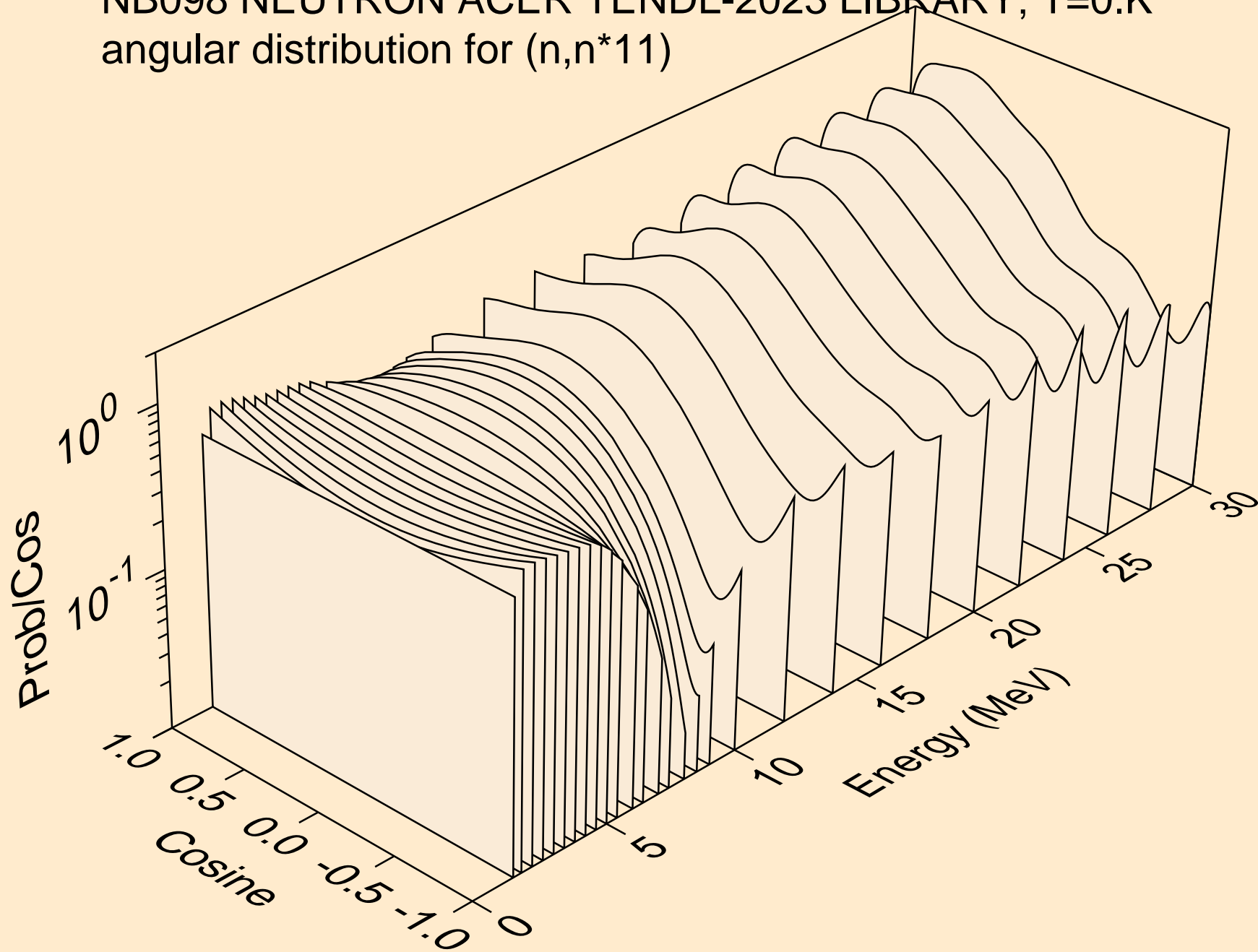




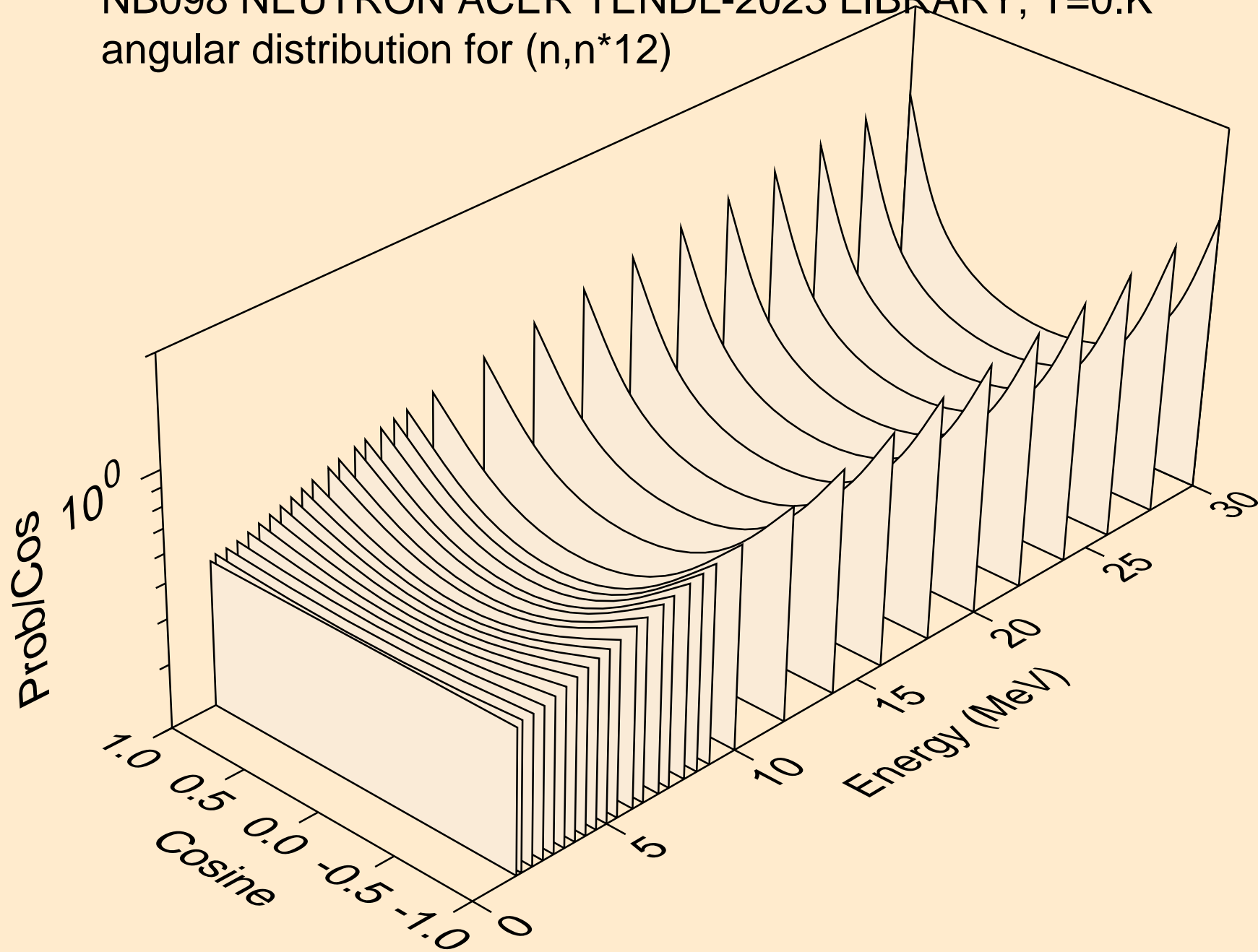
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angular distribution for (n,n\*10)



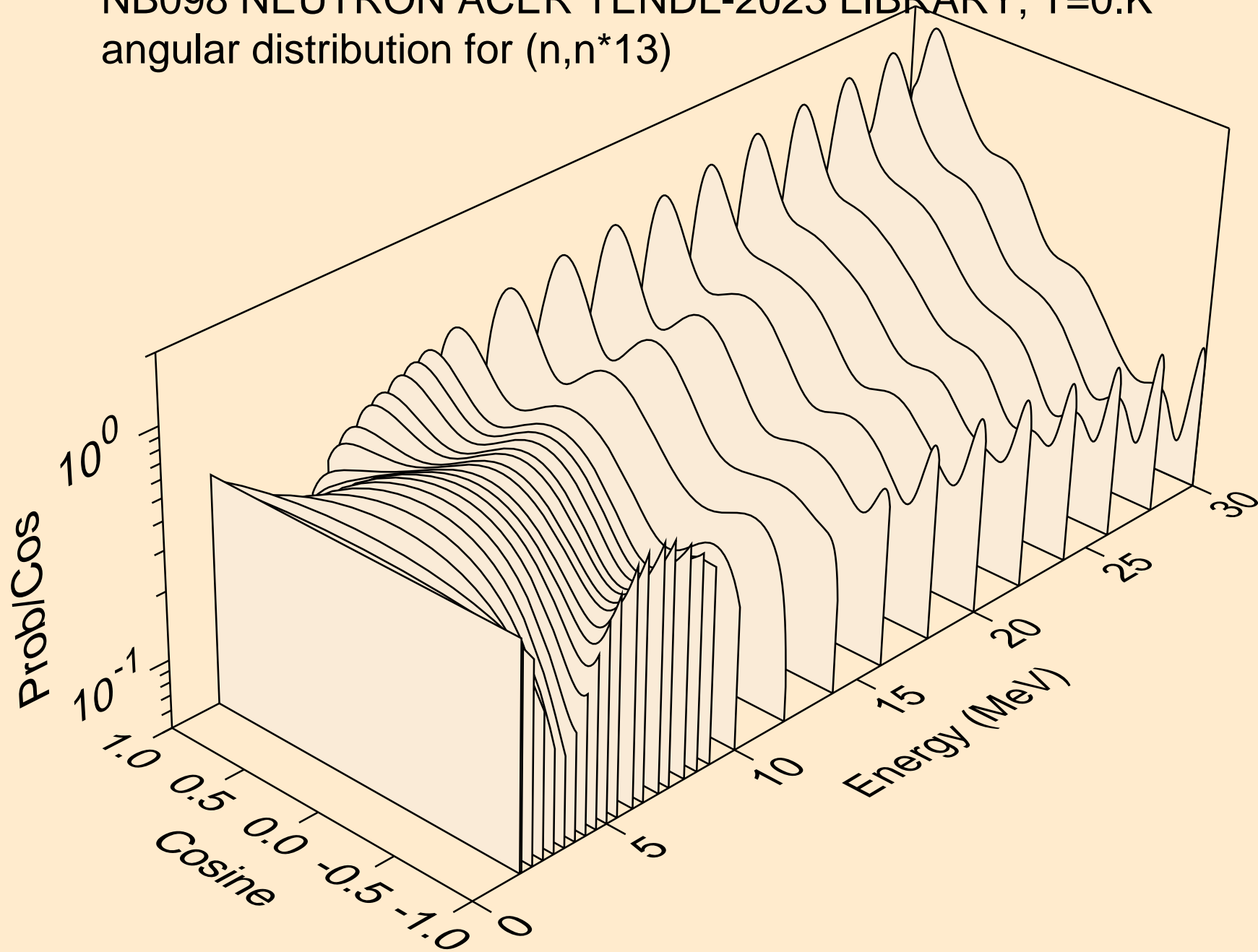
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angular distribution for (n,n\*11)



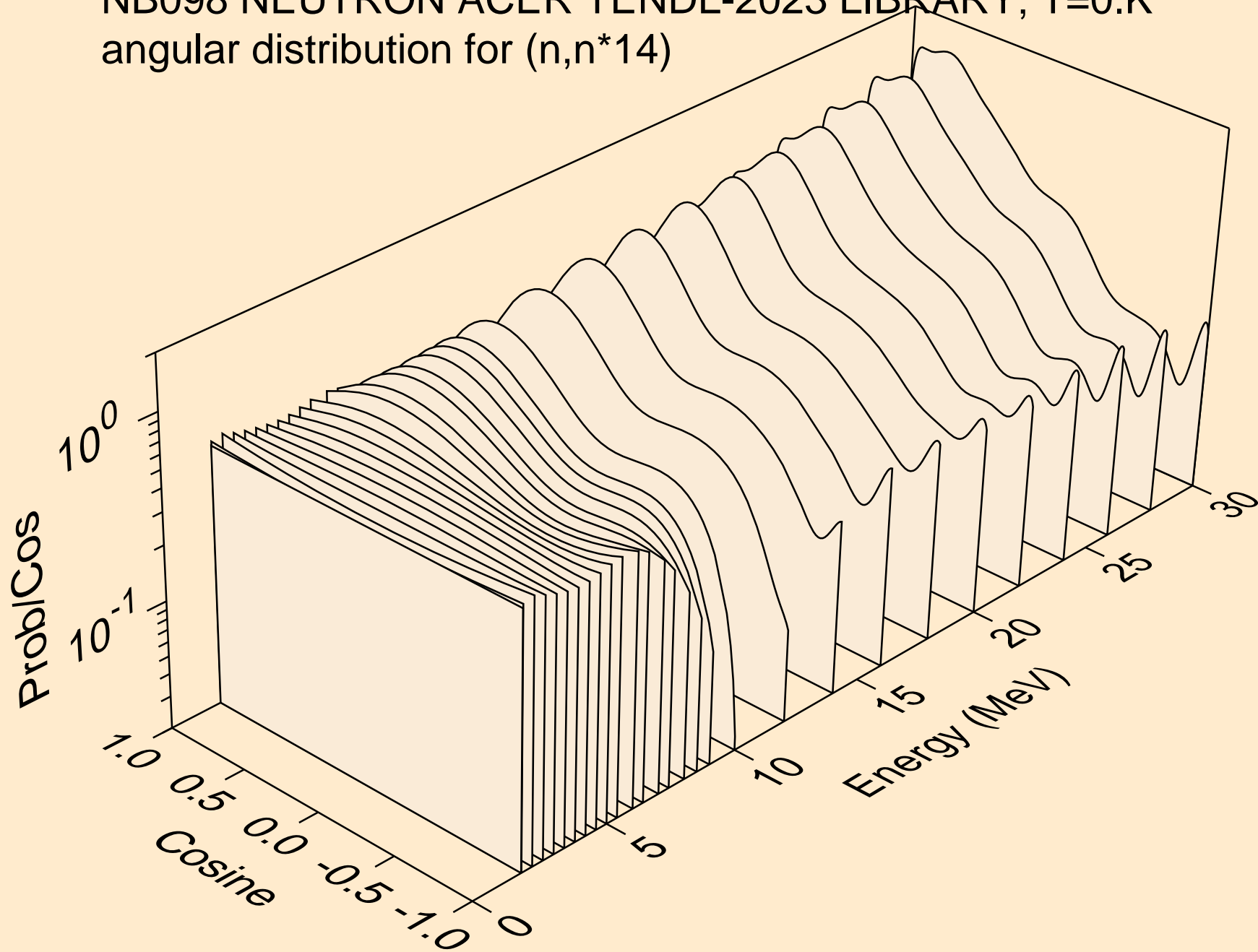
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angular distribution for (n,n\*12)



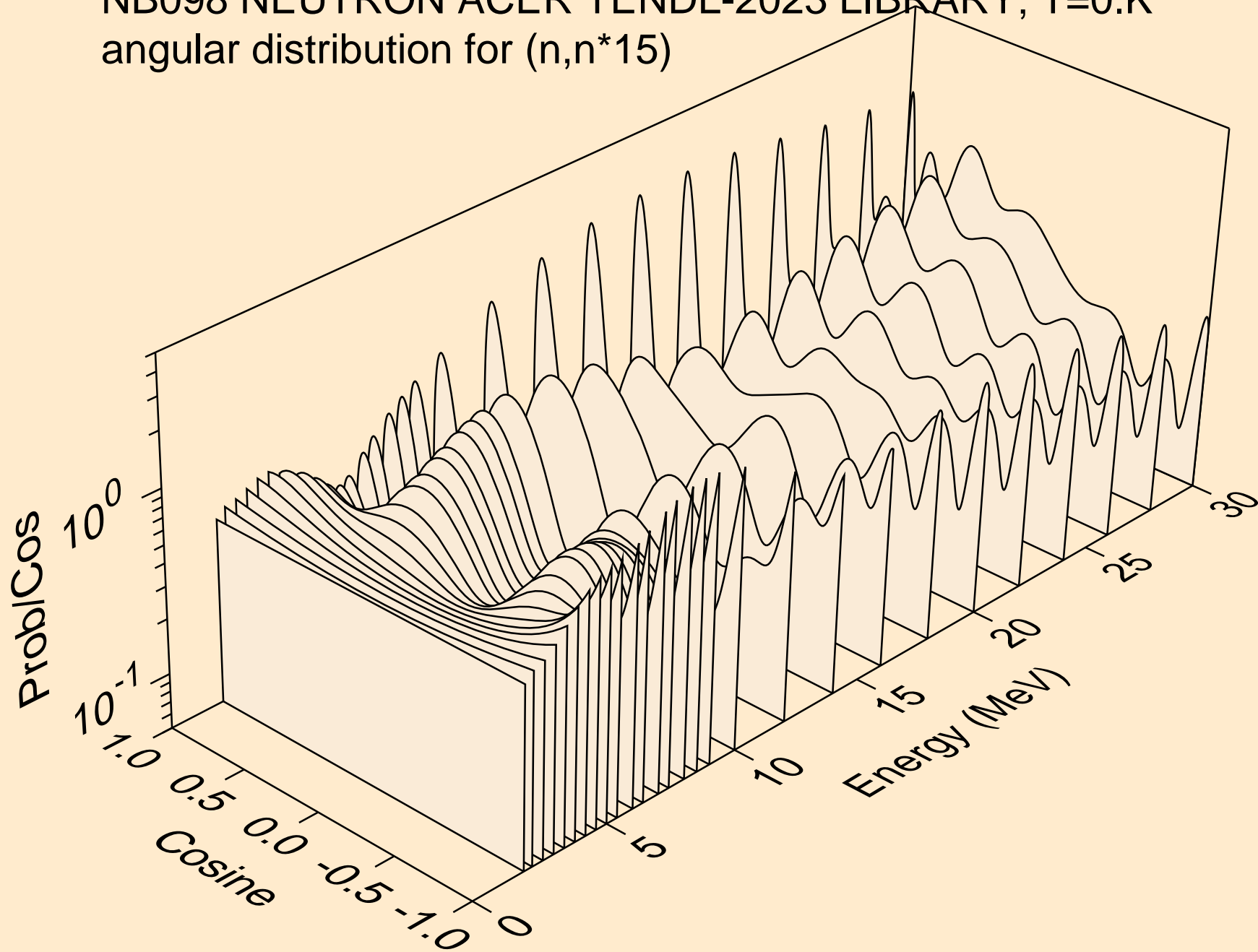
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angular distribution for (n,n\*13)



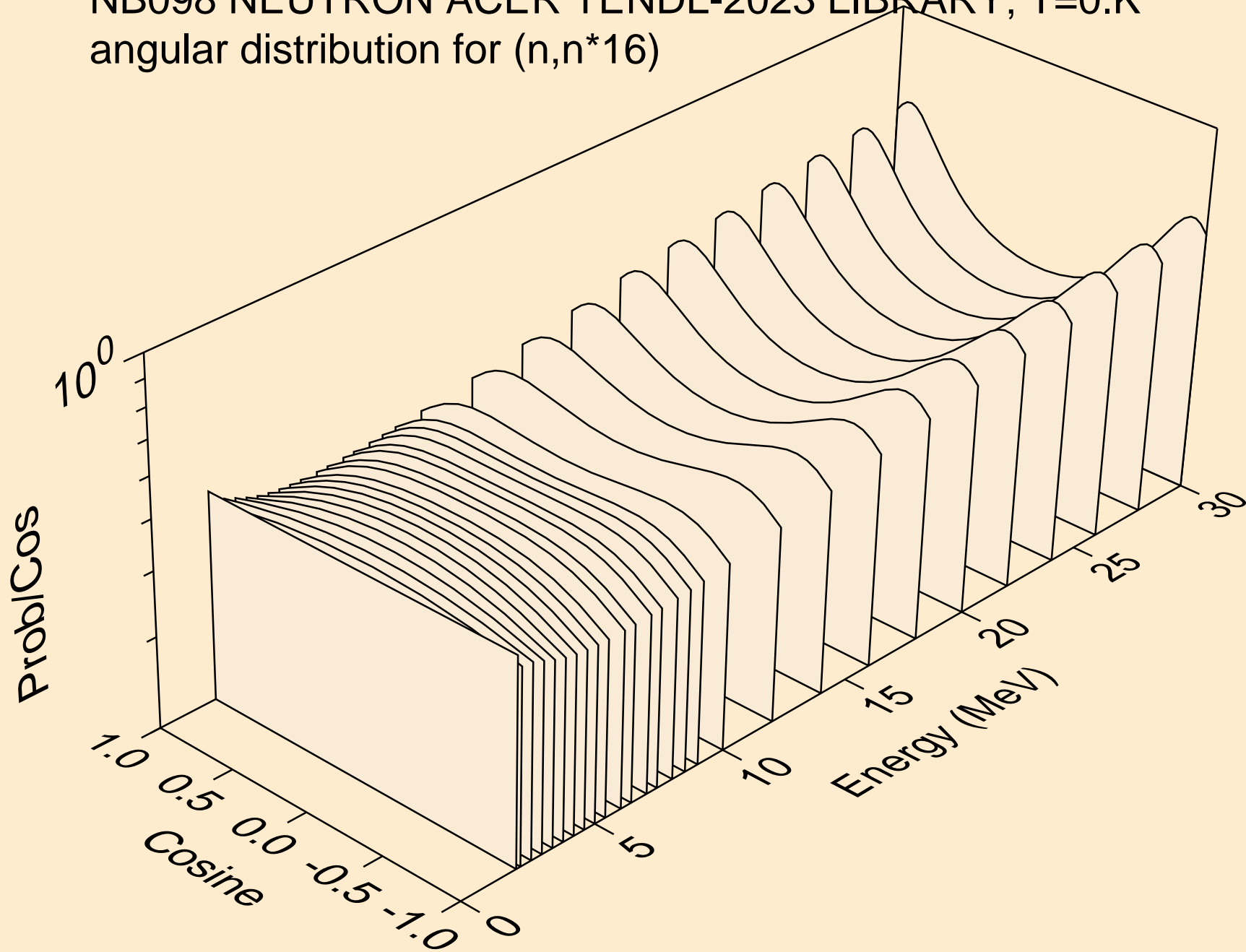
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angular distribution for (n,n\*14)



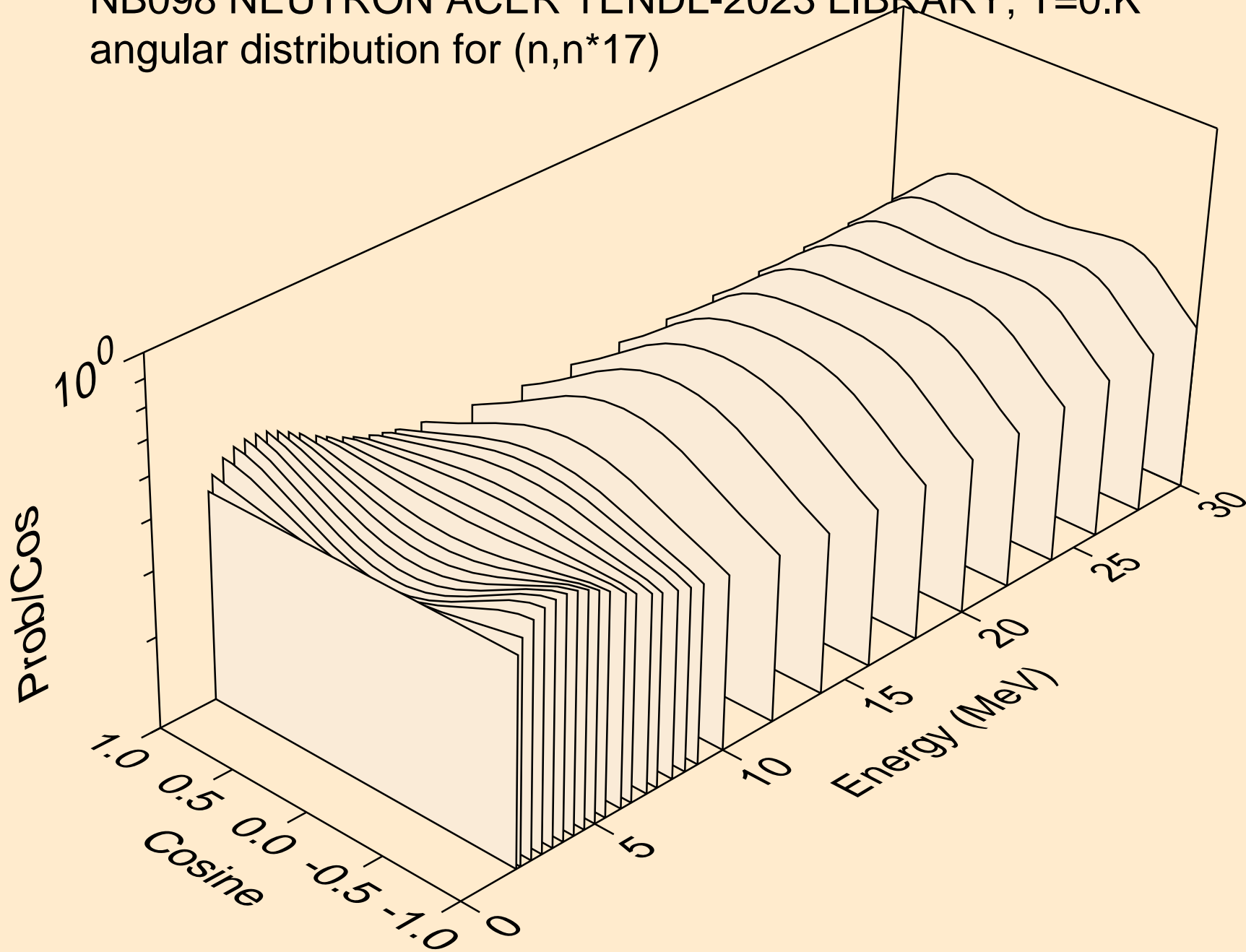
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)

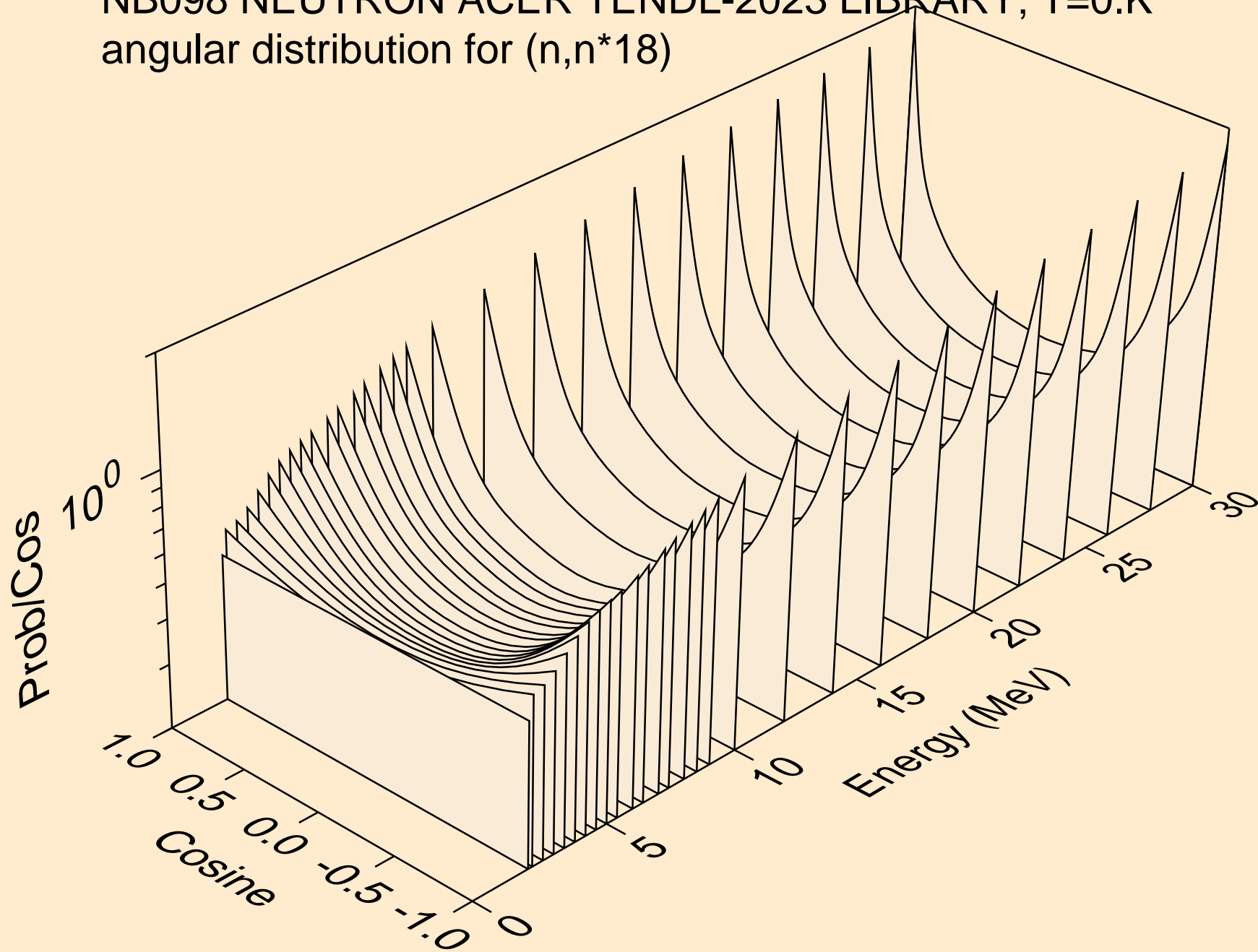


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angular distribution for (n,n\*17)

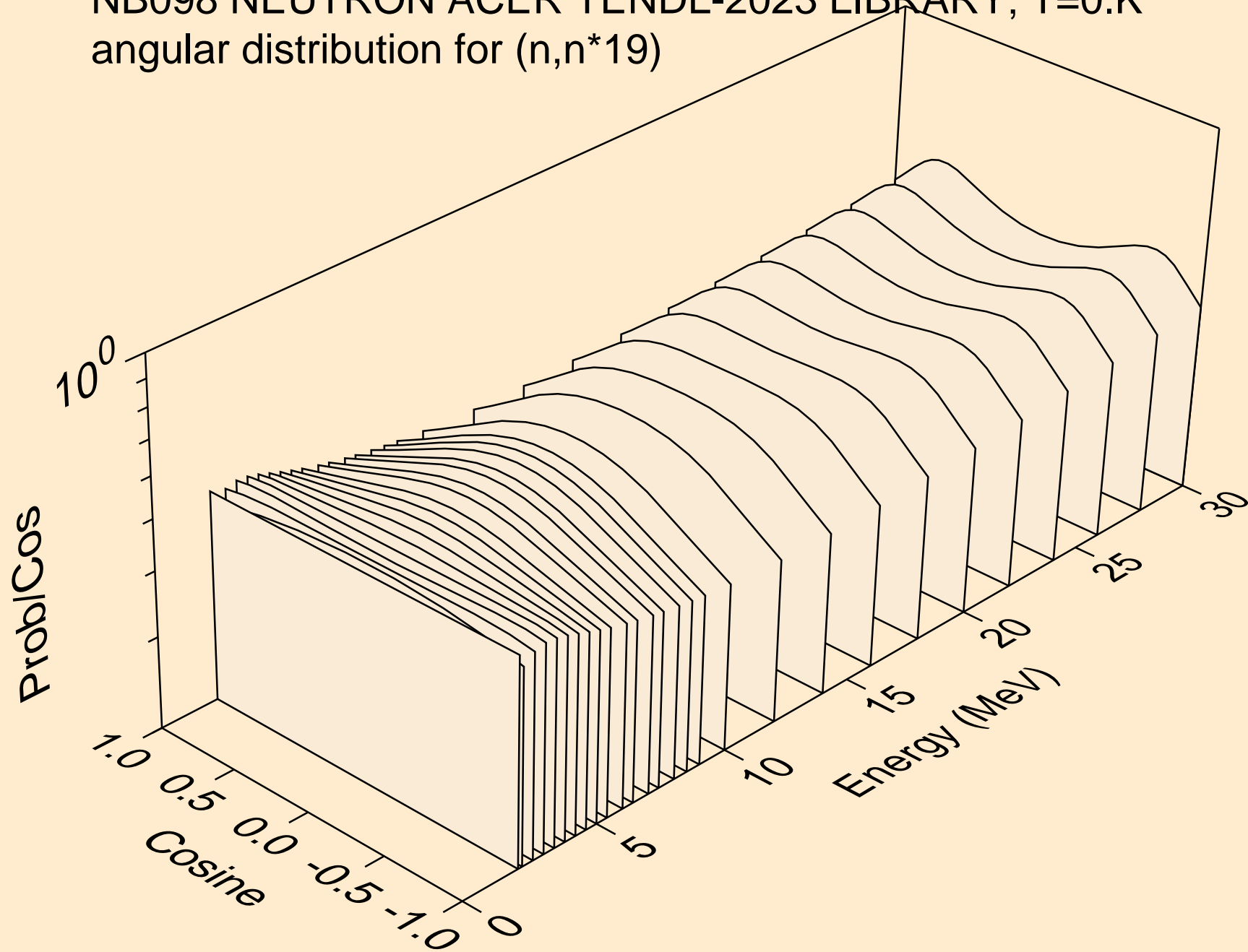




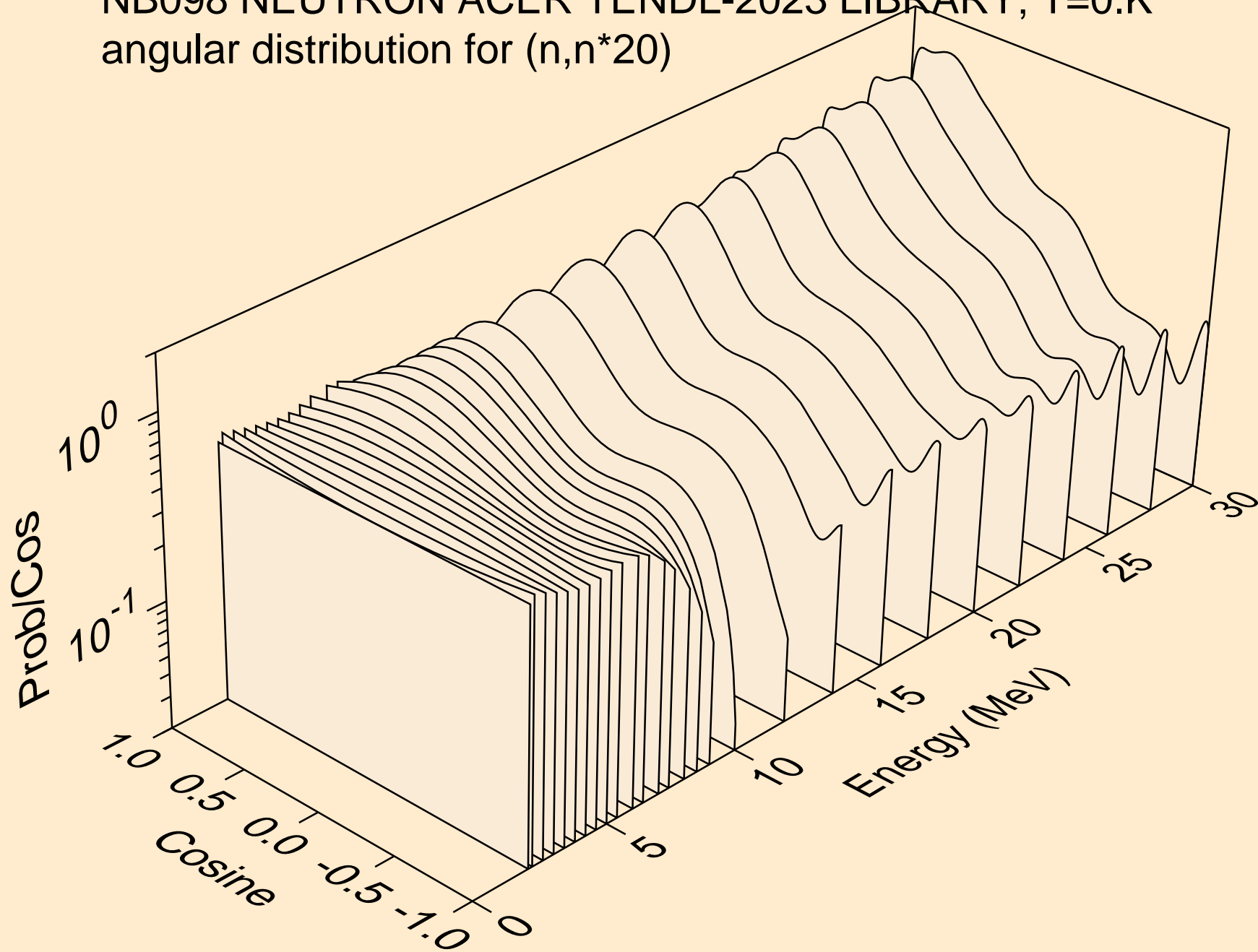
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angular distribution for (n,n\*18)



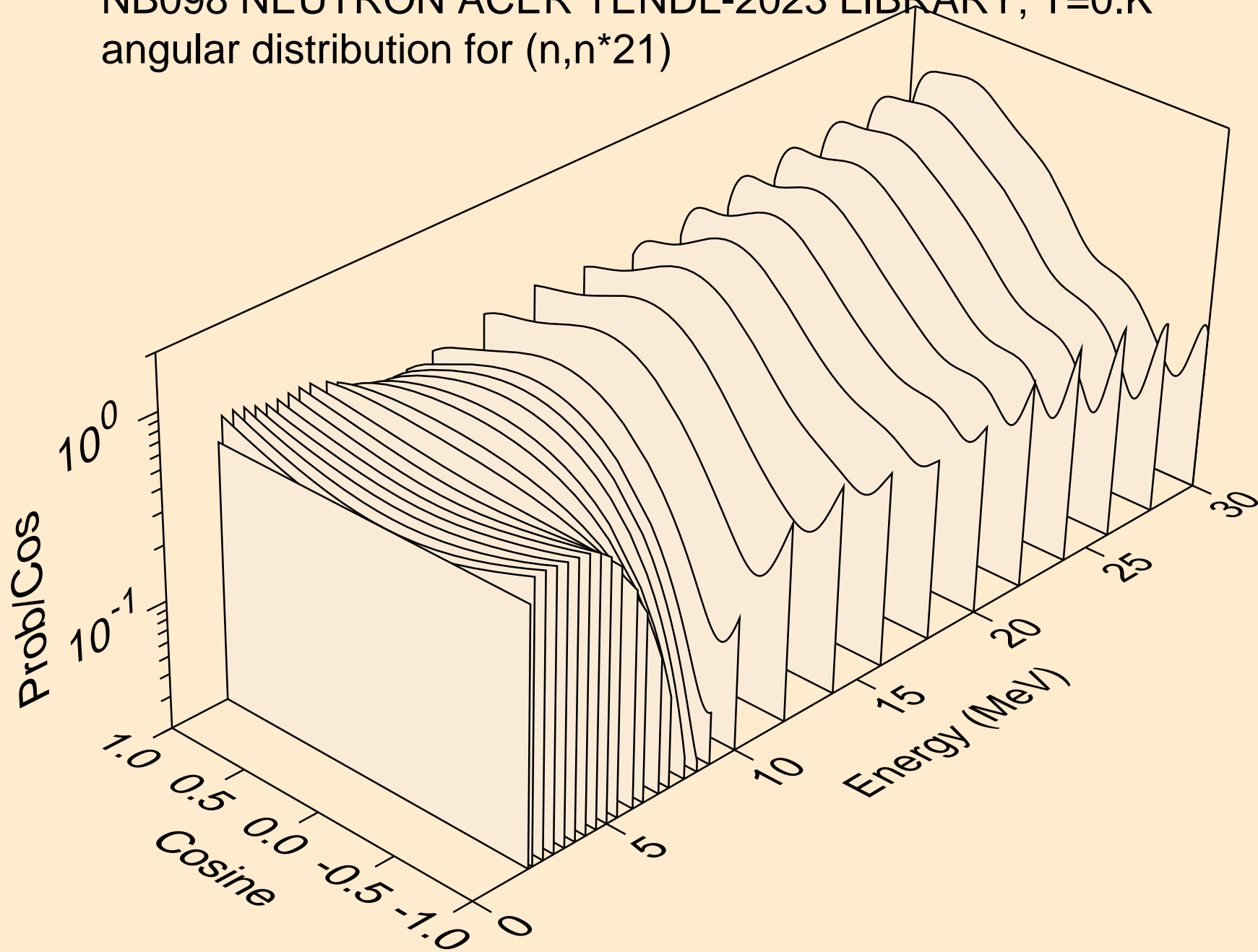
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angular distribution for (n,n\*19)



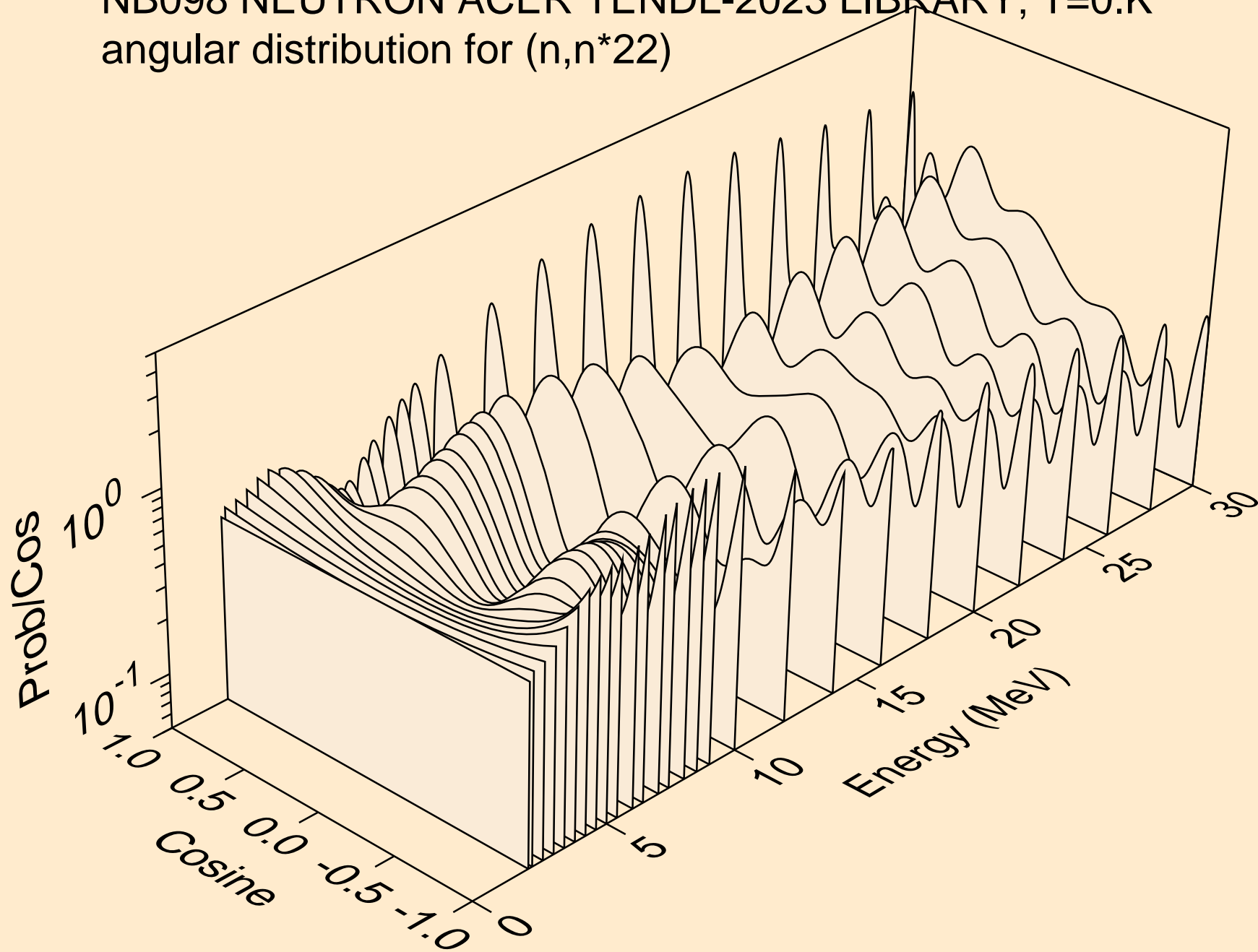
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angular distribution for (n,n\*20)



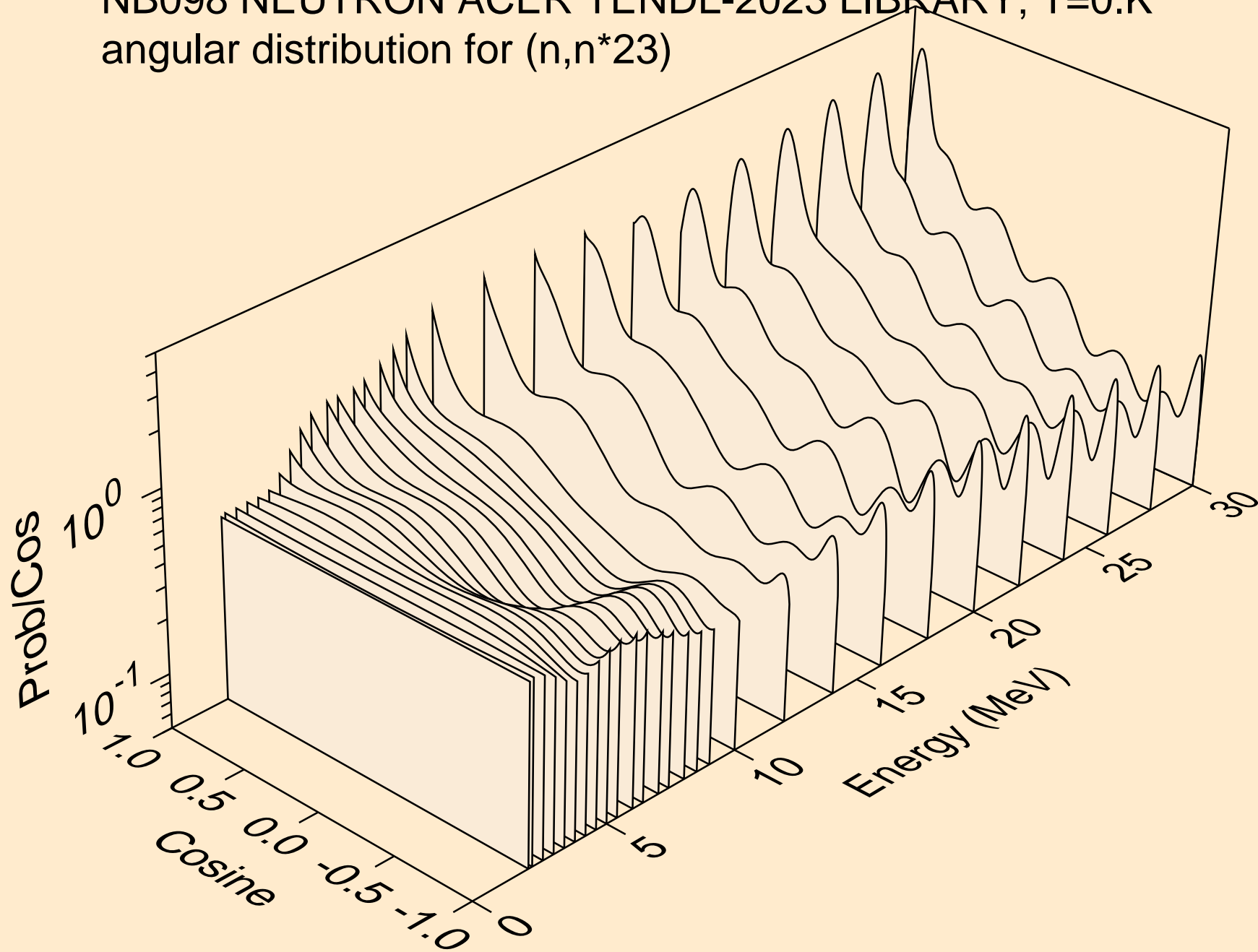
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angular distribution for (n,n\*21)



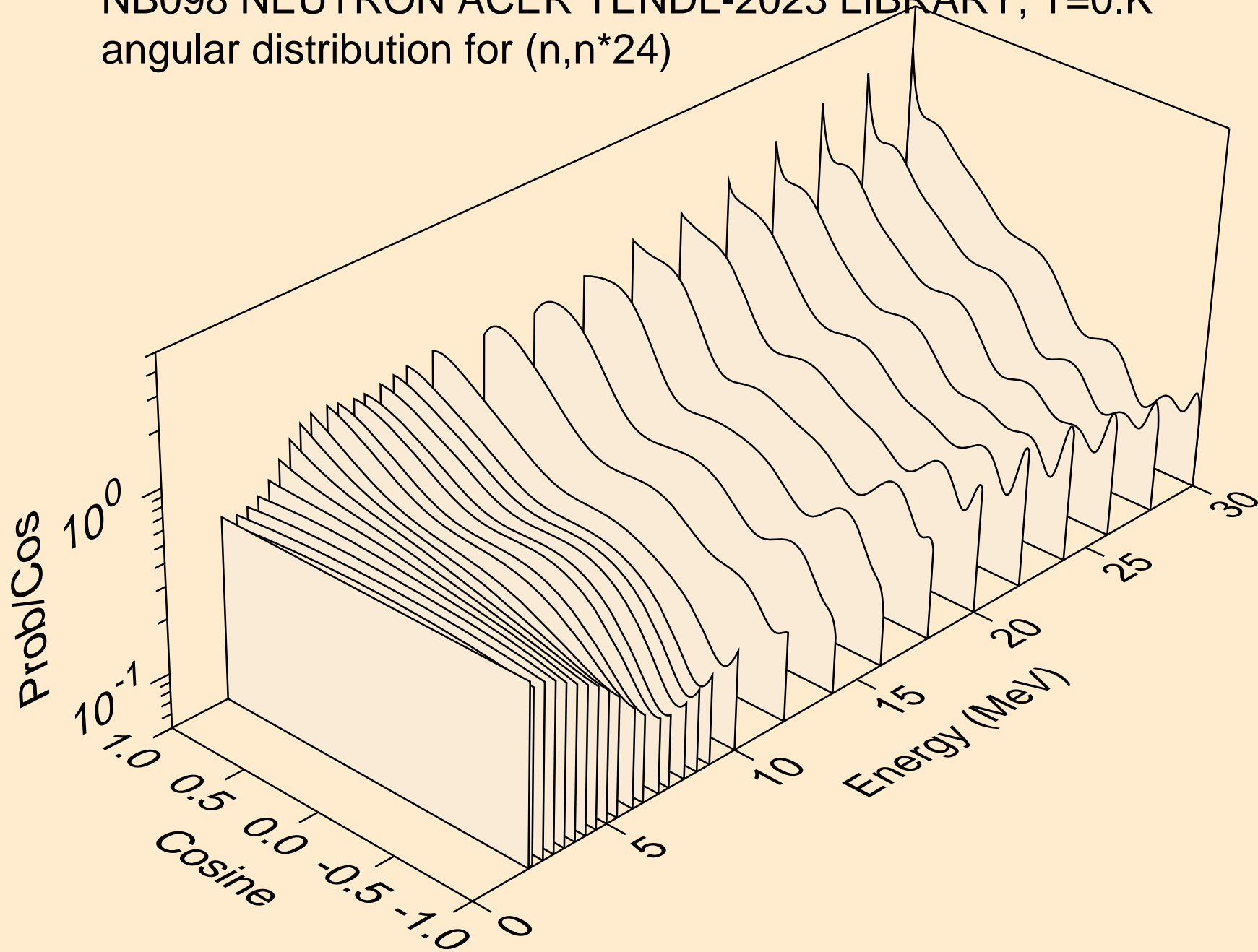
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angular distribution for (n,n\*22)



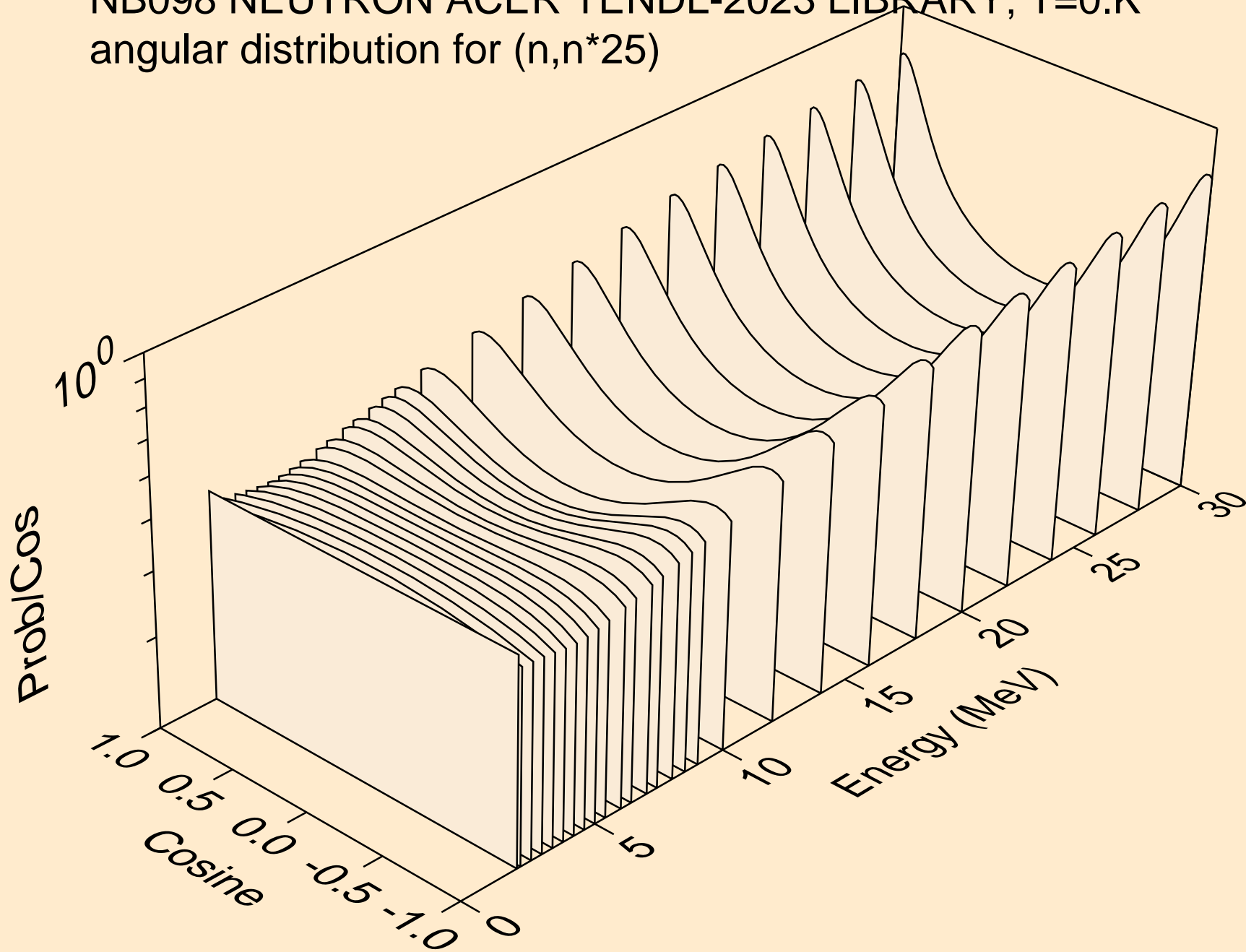
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*23)



NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*24)

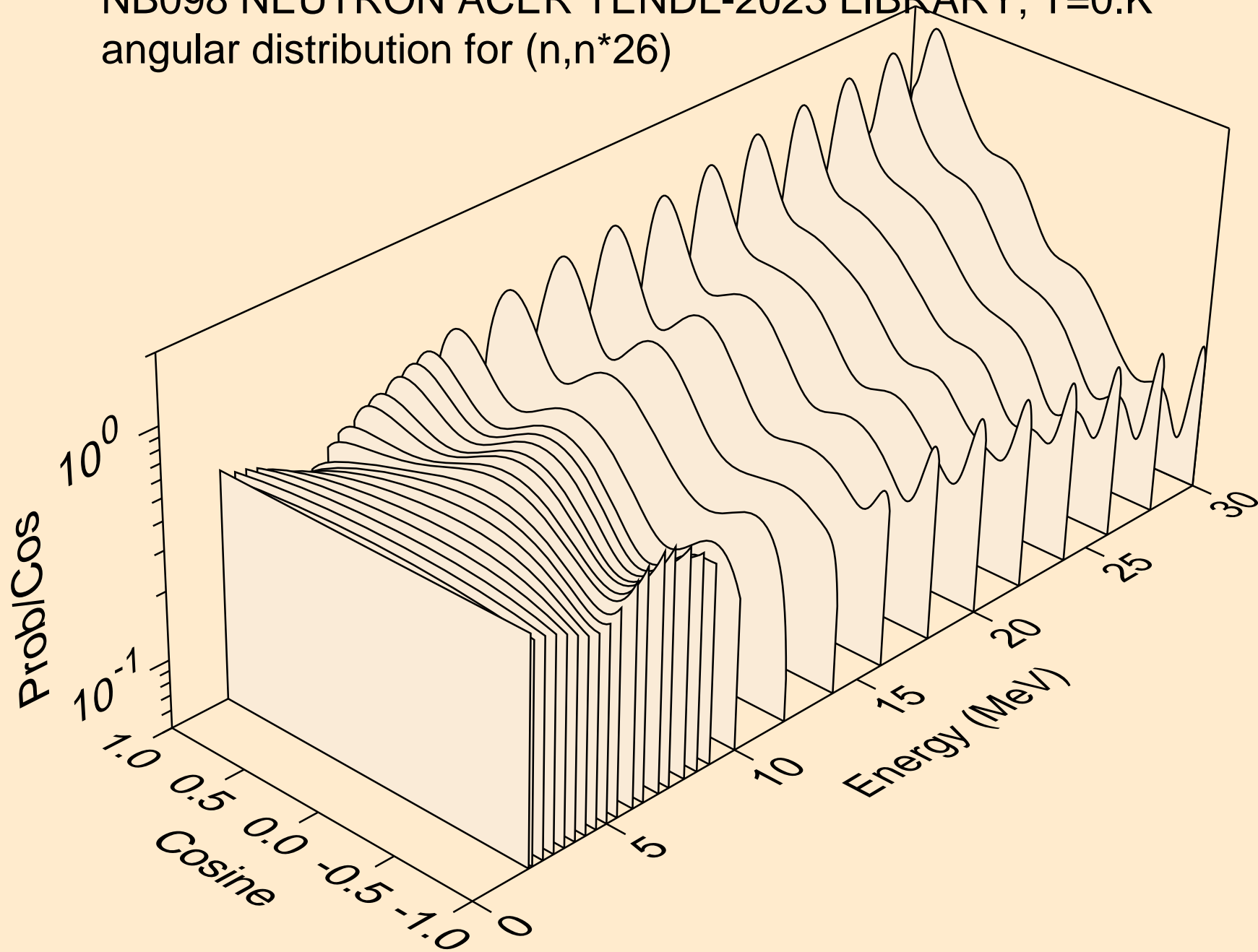


NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*25)

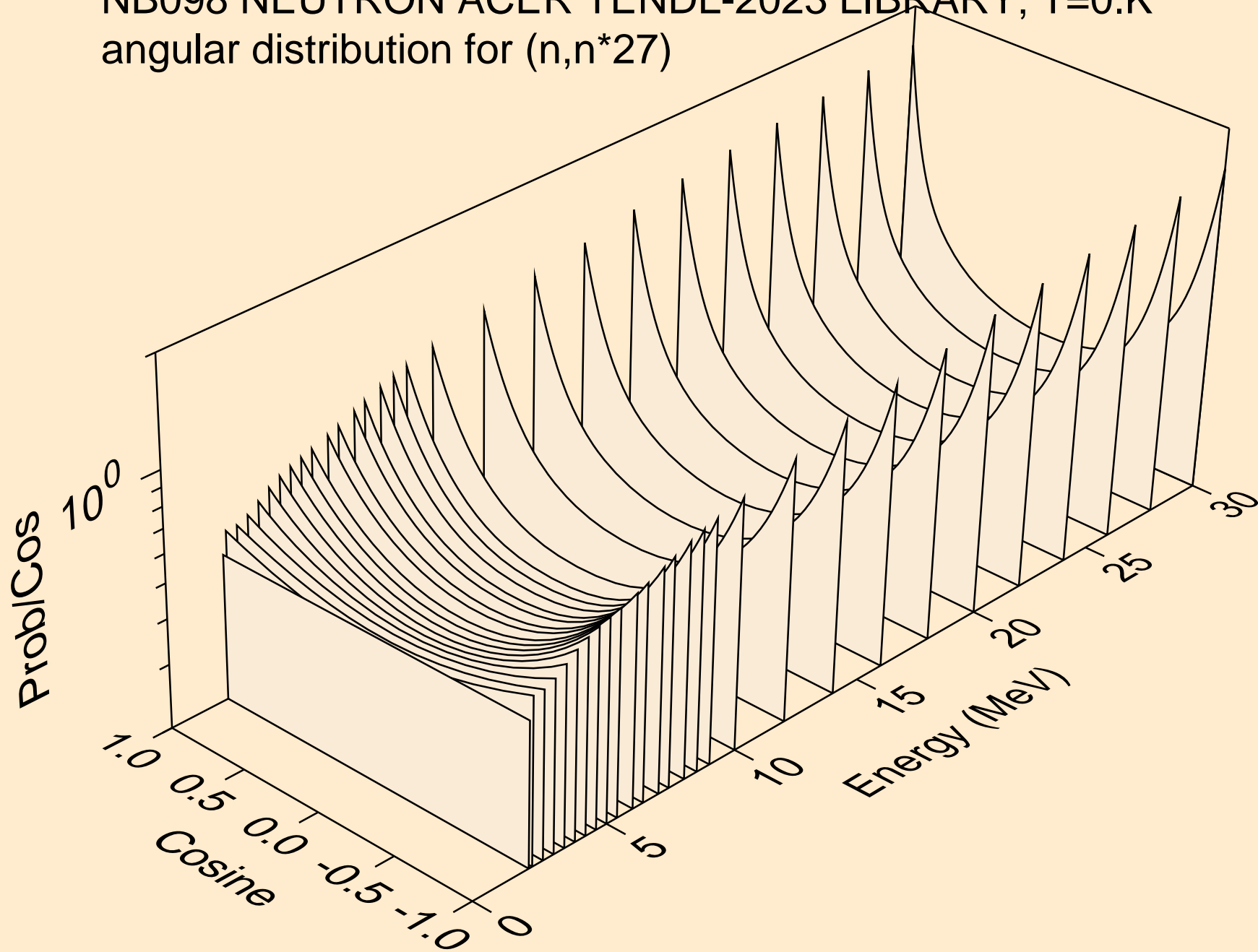




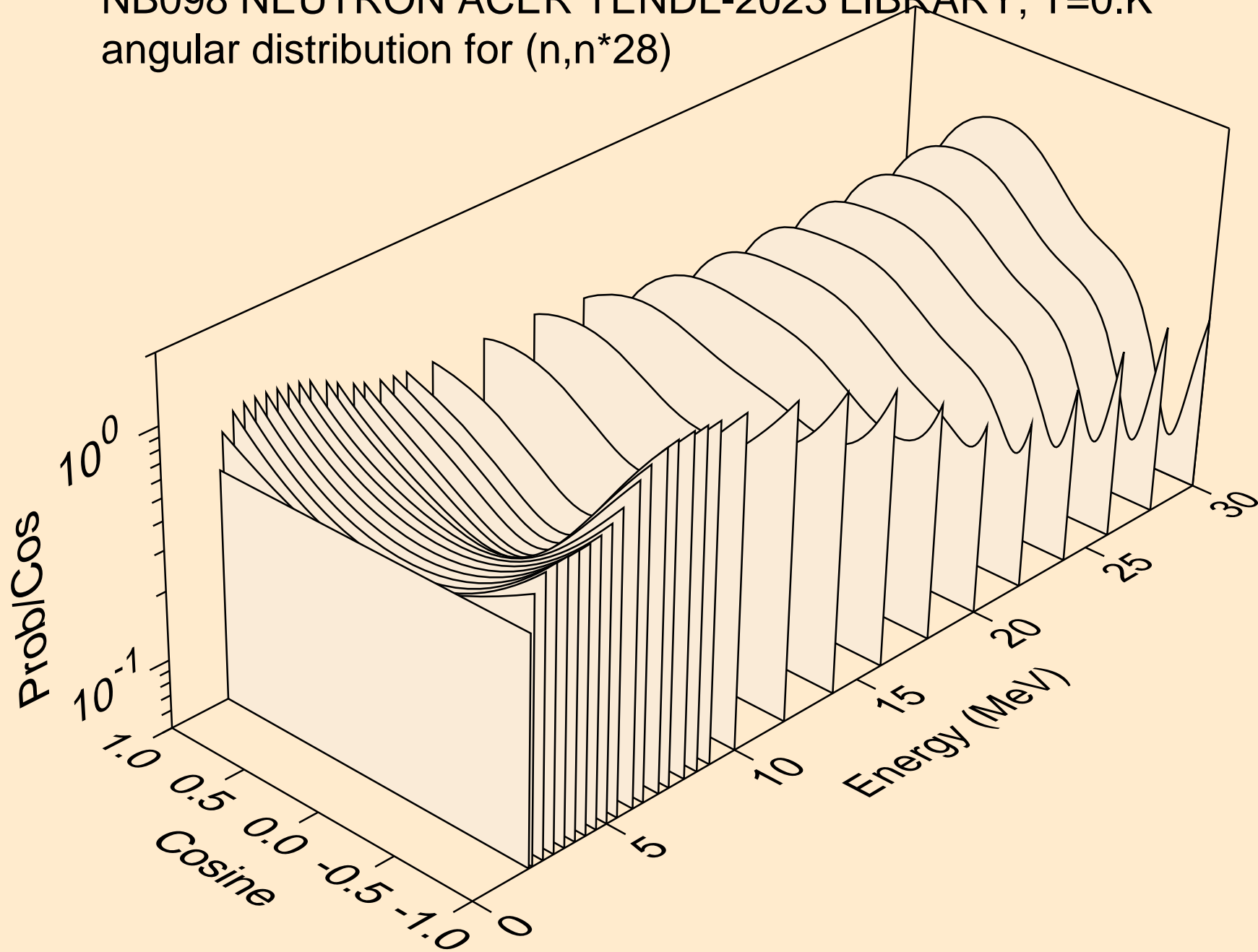
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



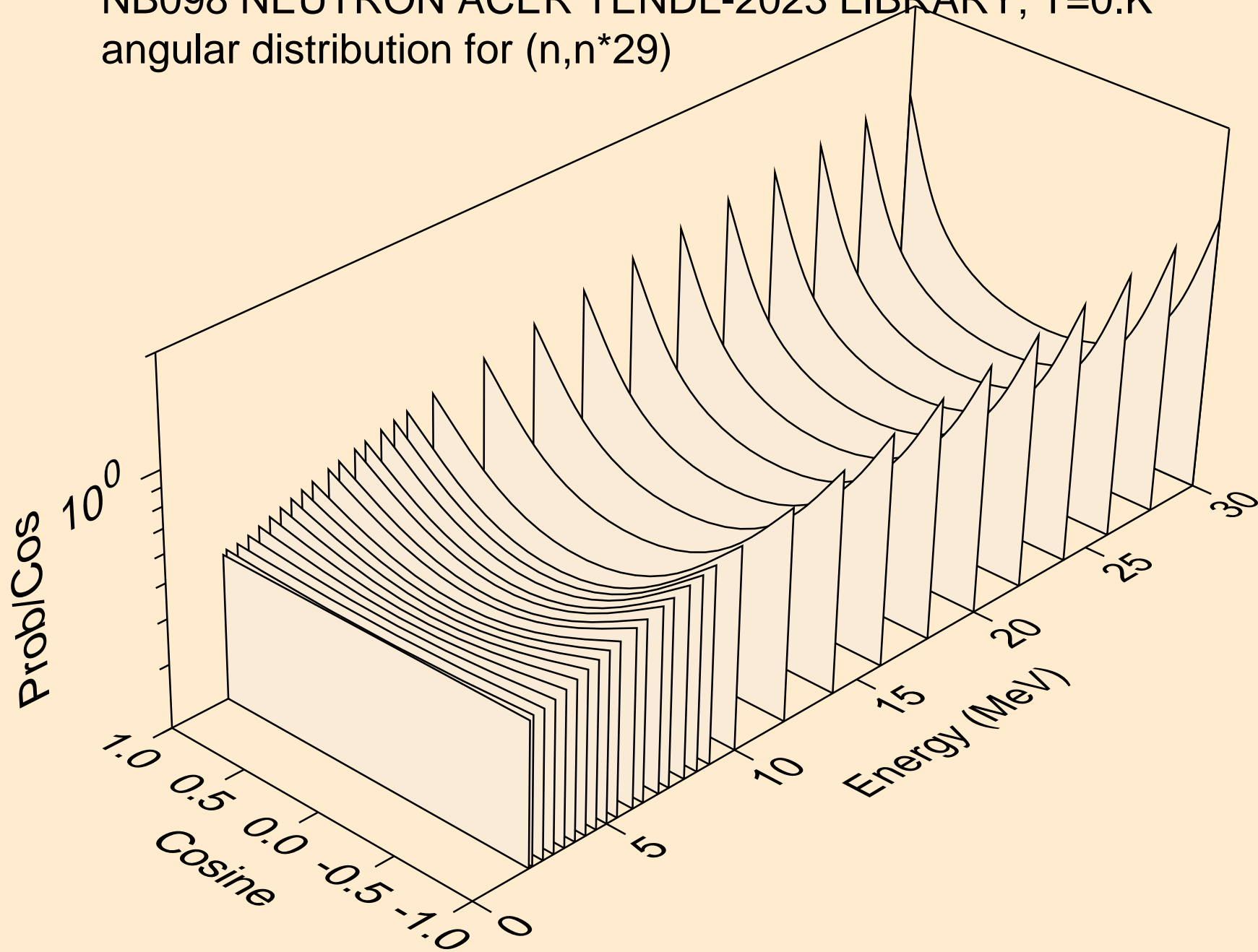
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angular distribution for (n,n\*27)



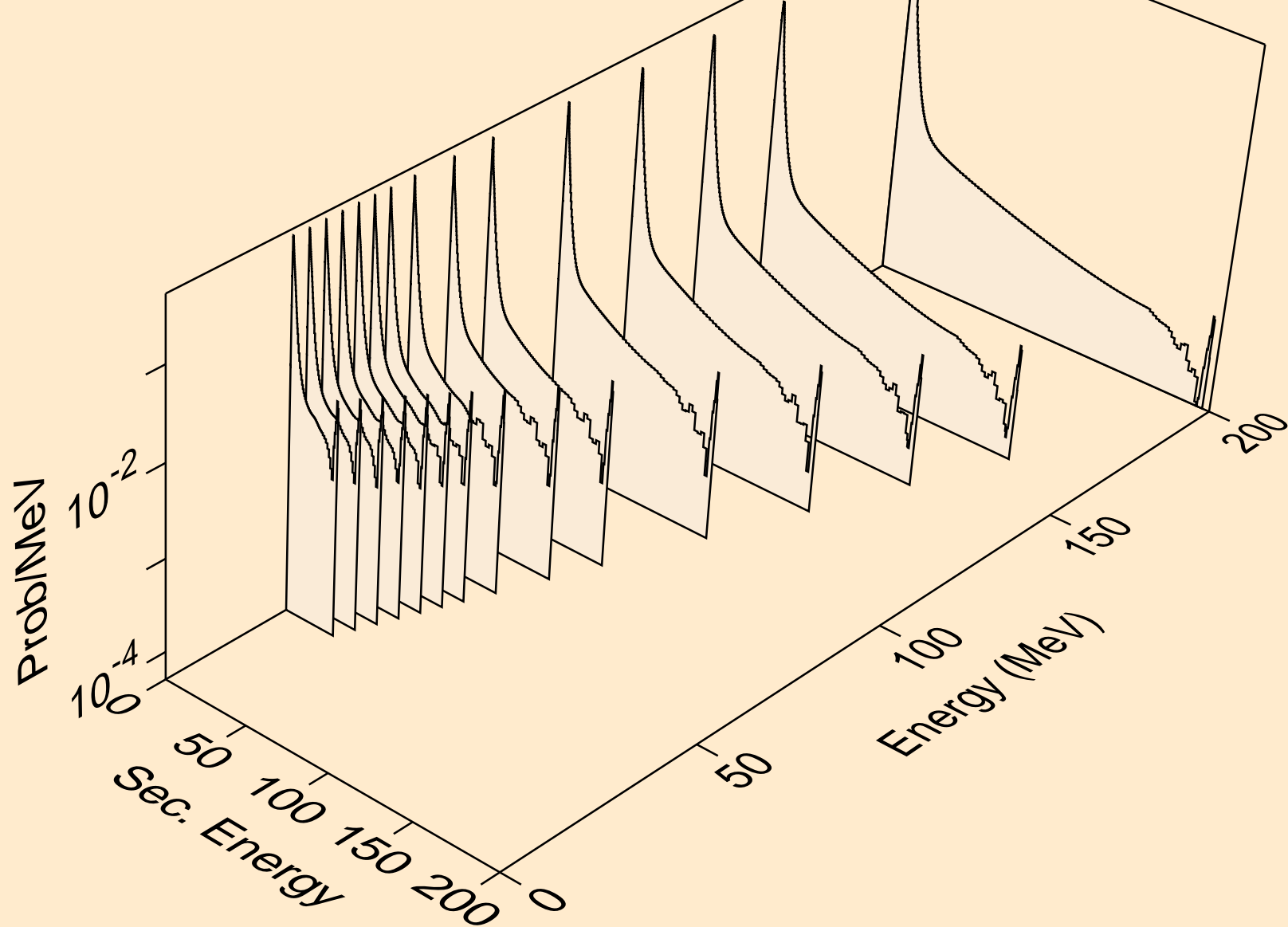
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*28)



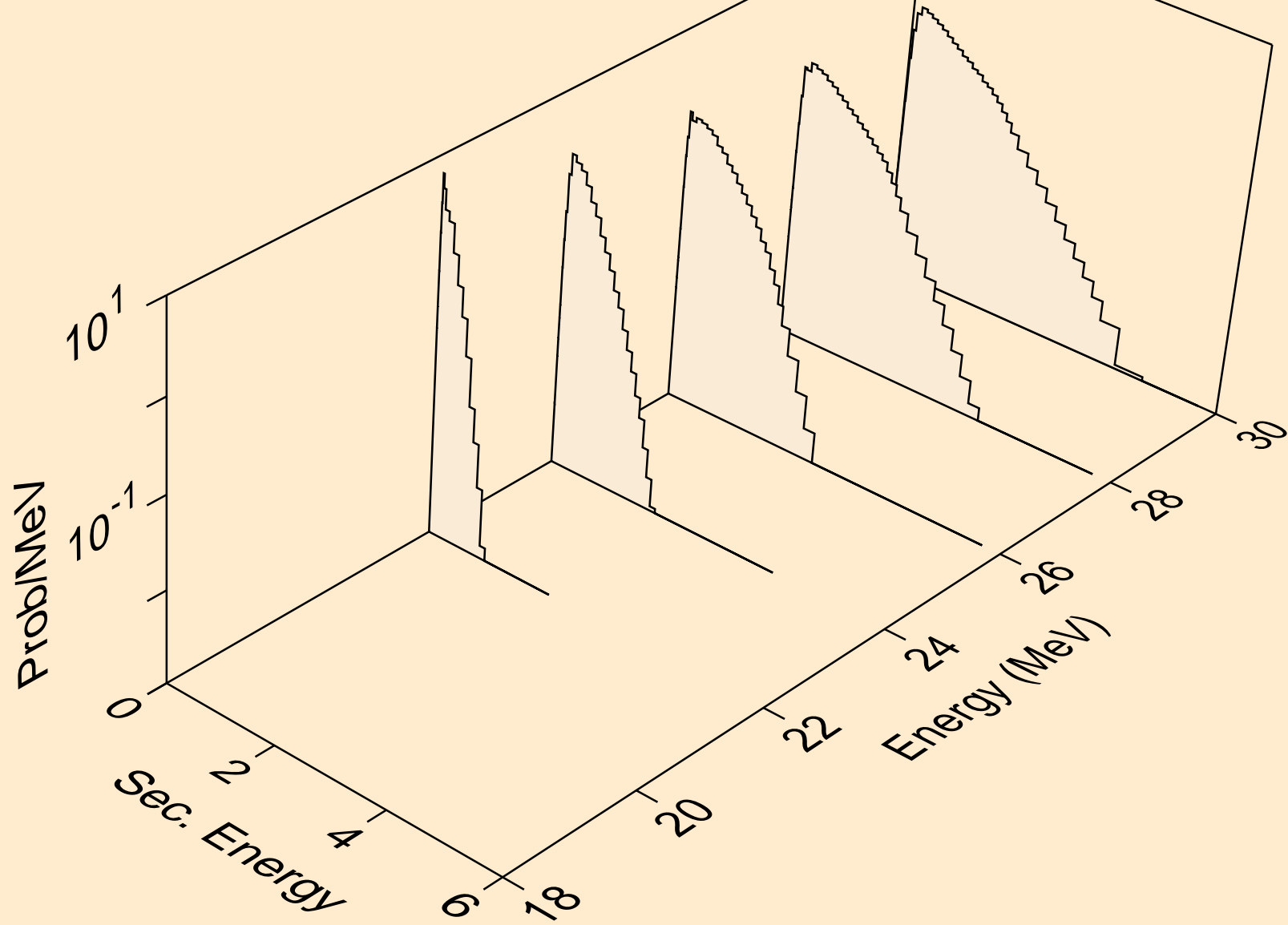
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angular distribution for (n,n\*29)



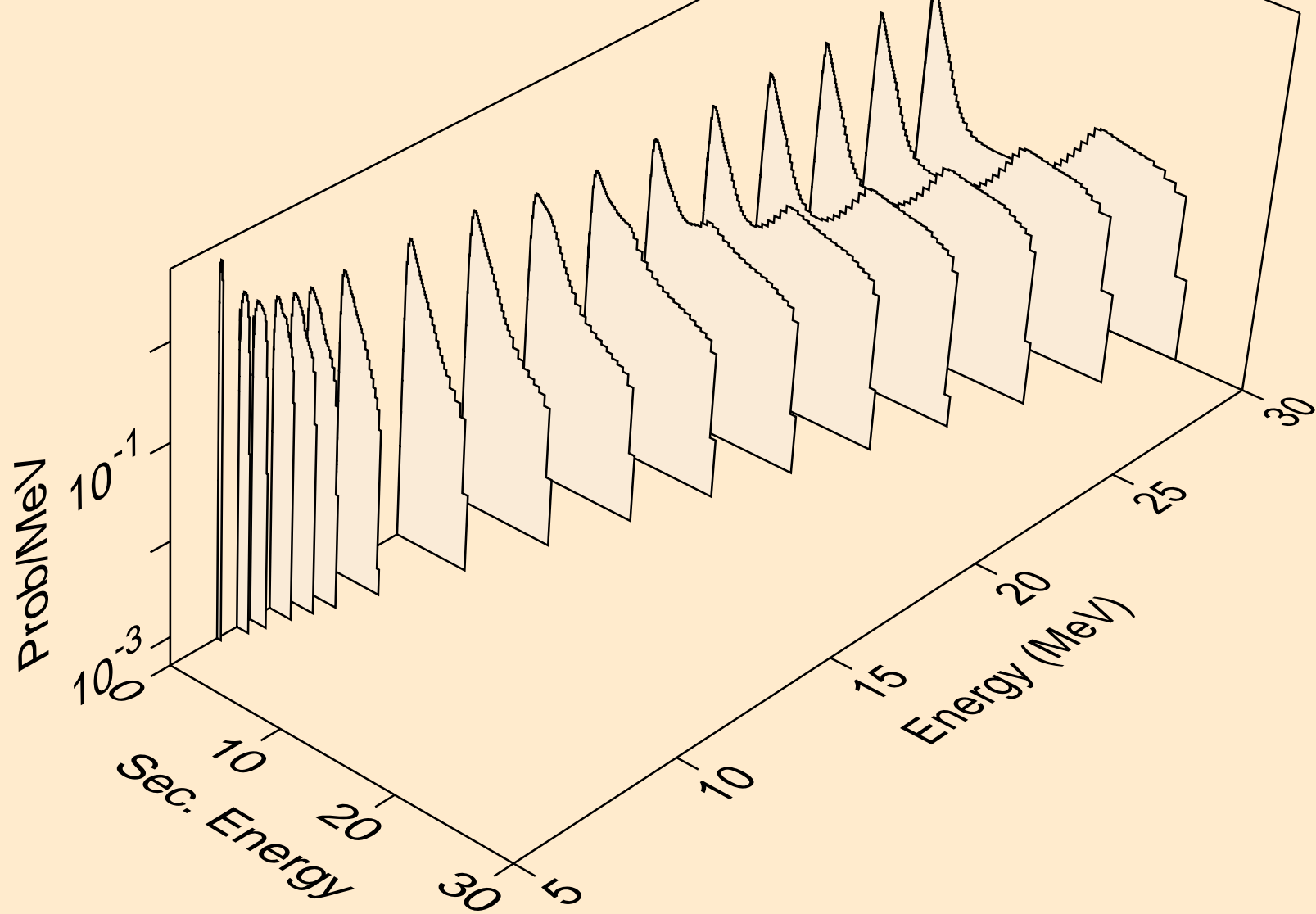
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



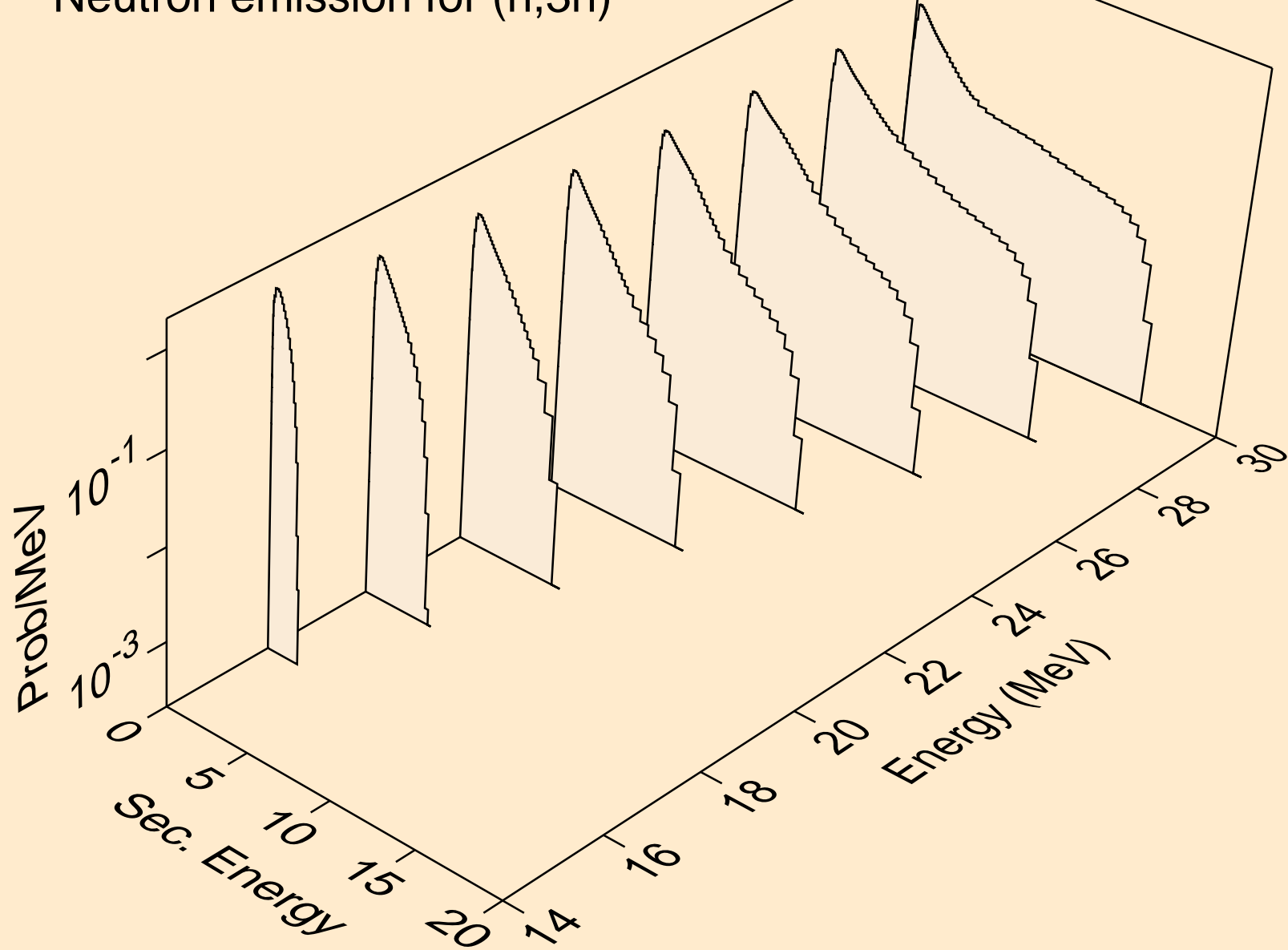
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)

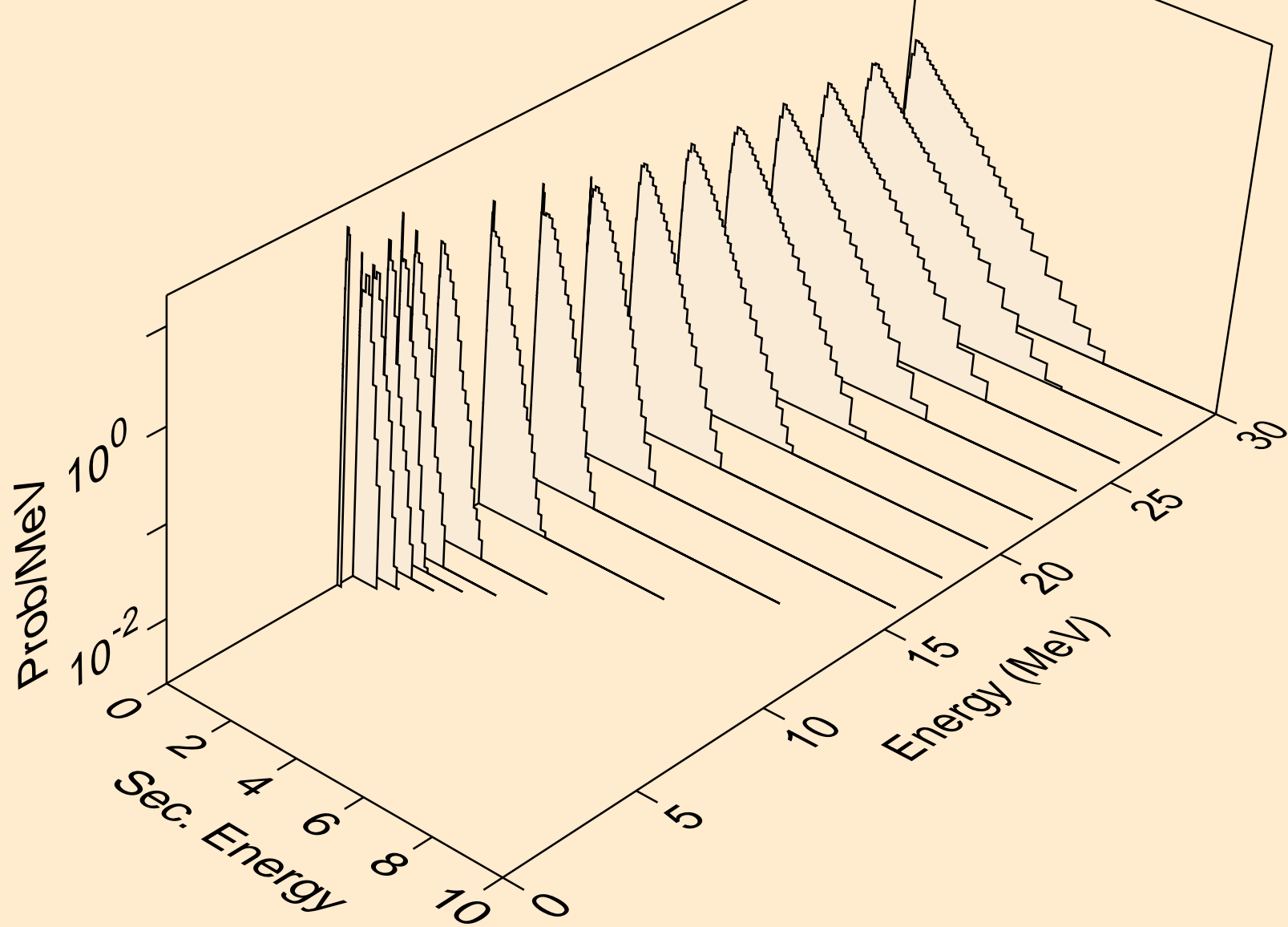


NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)

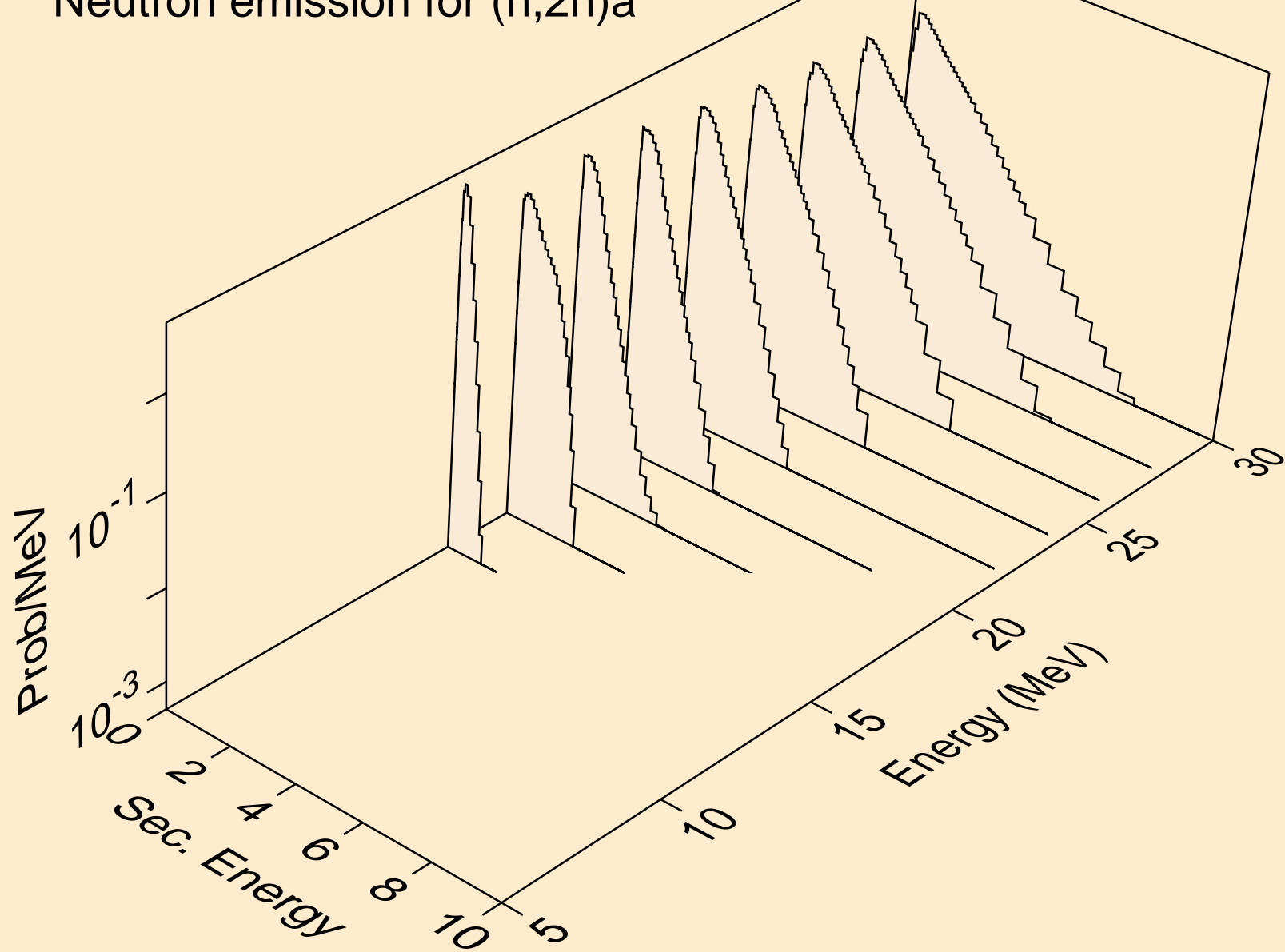




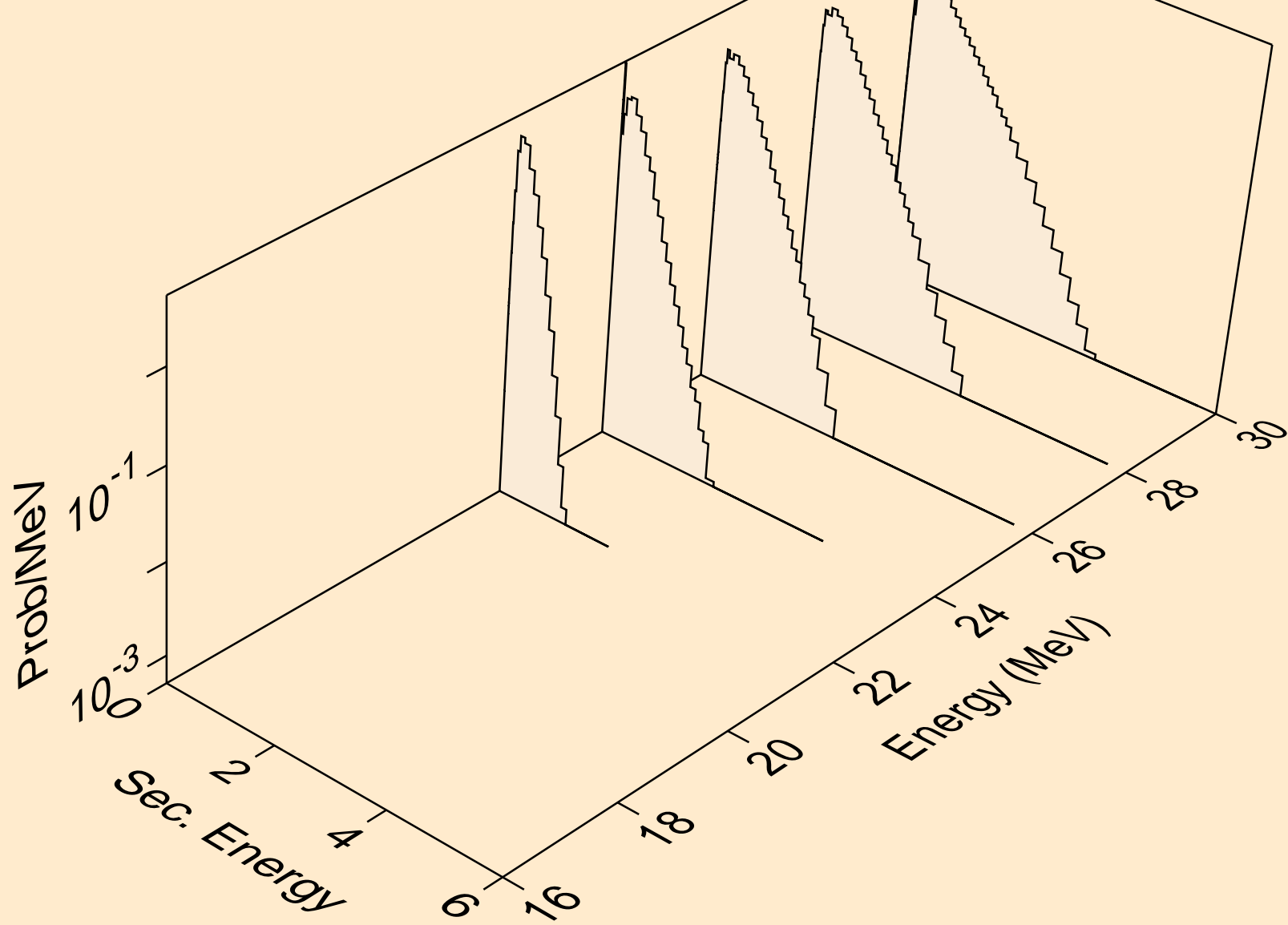
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



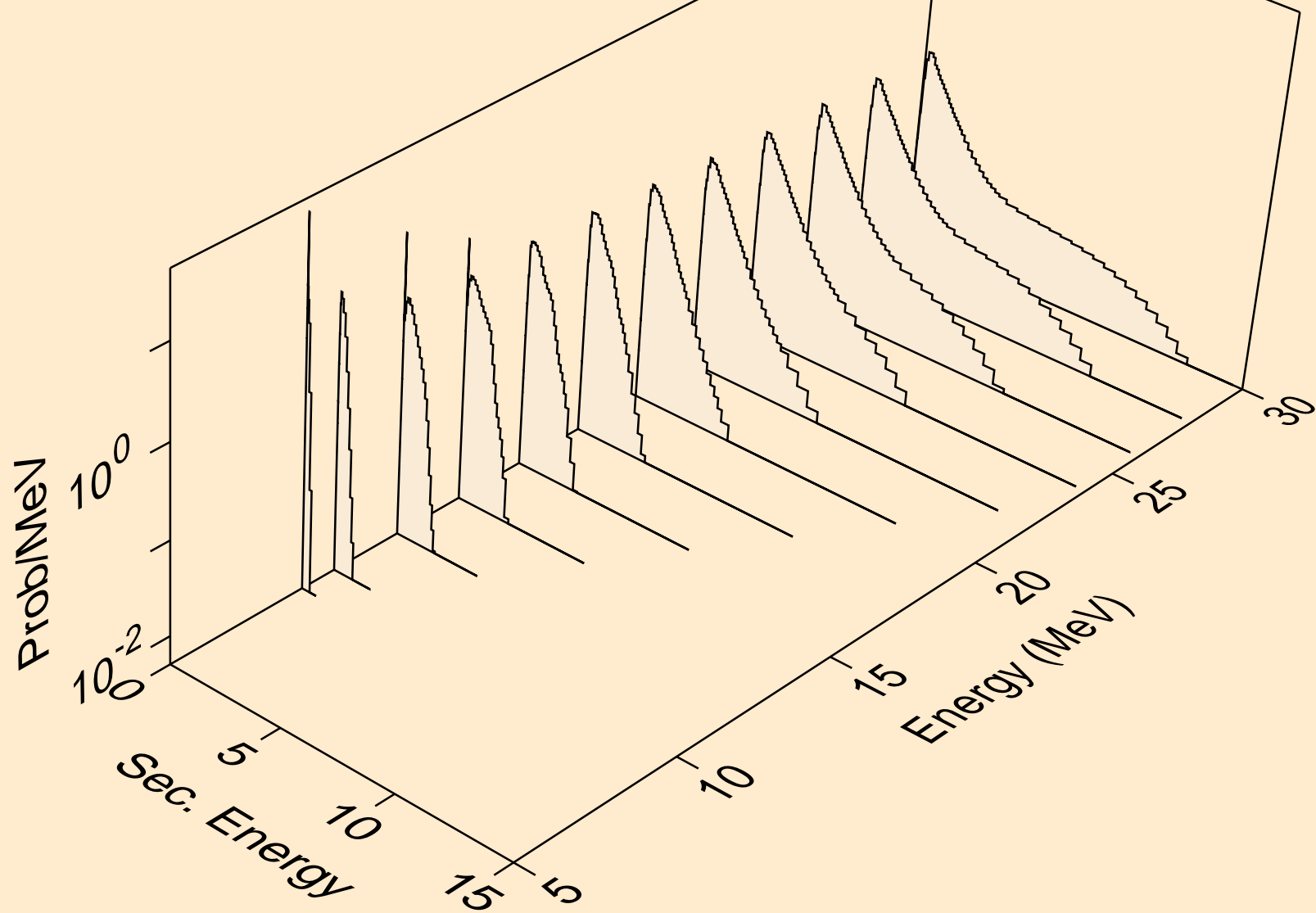
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



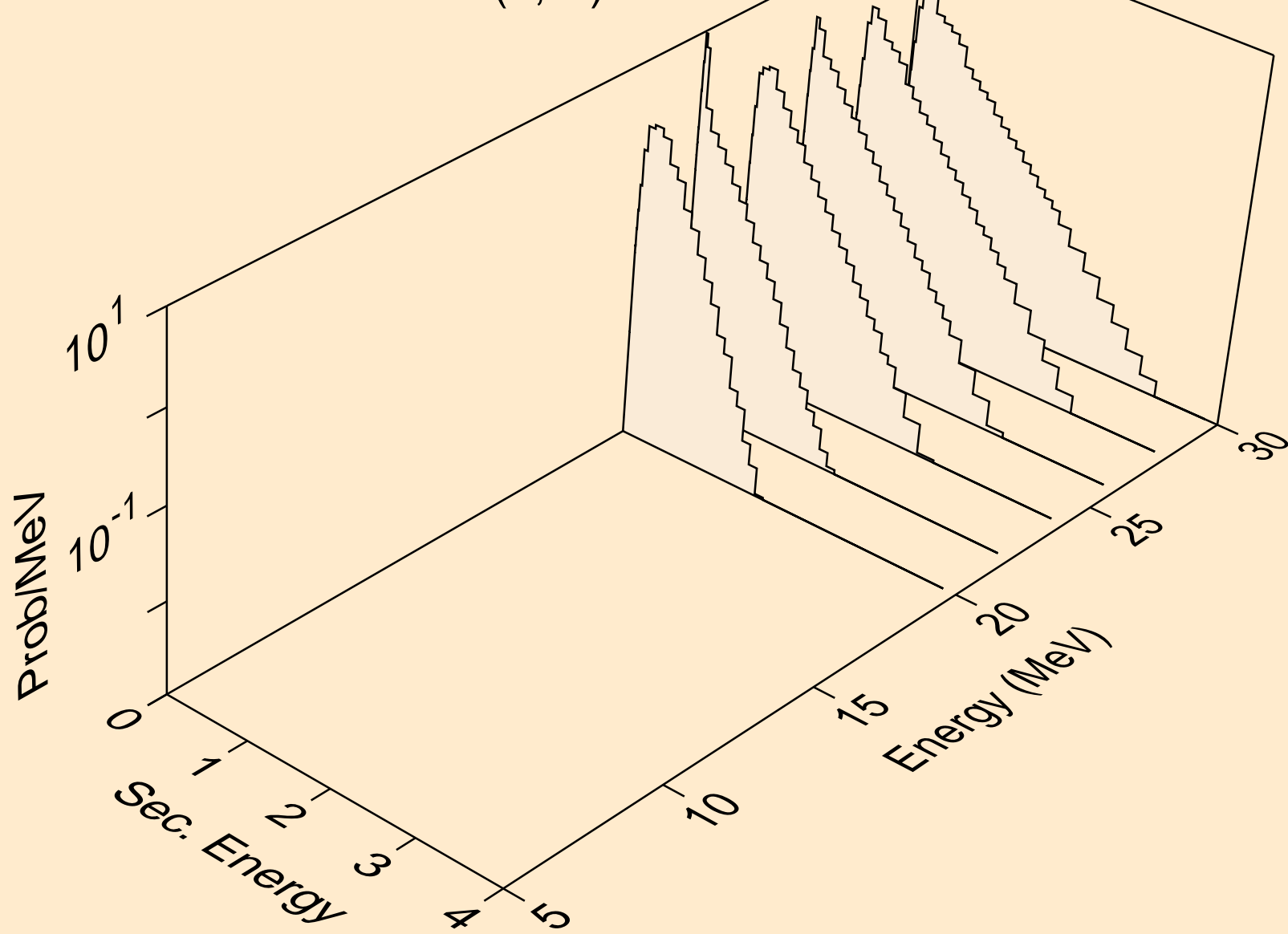
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



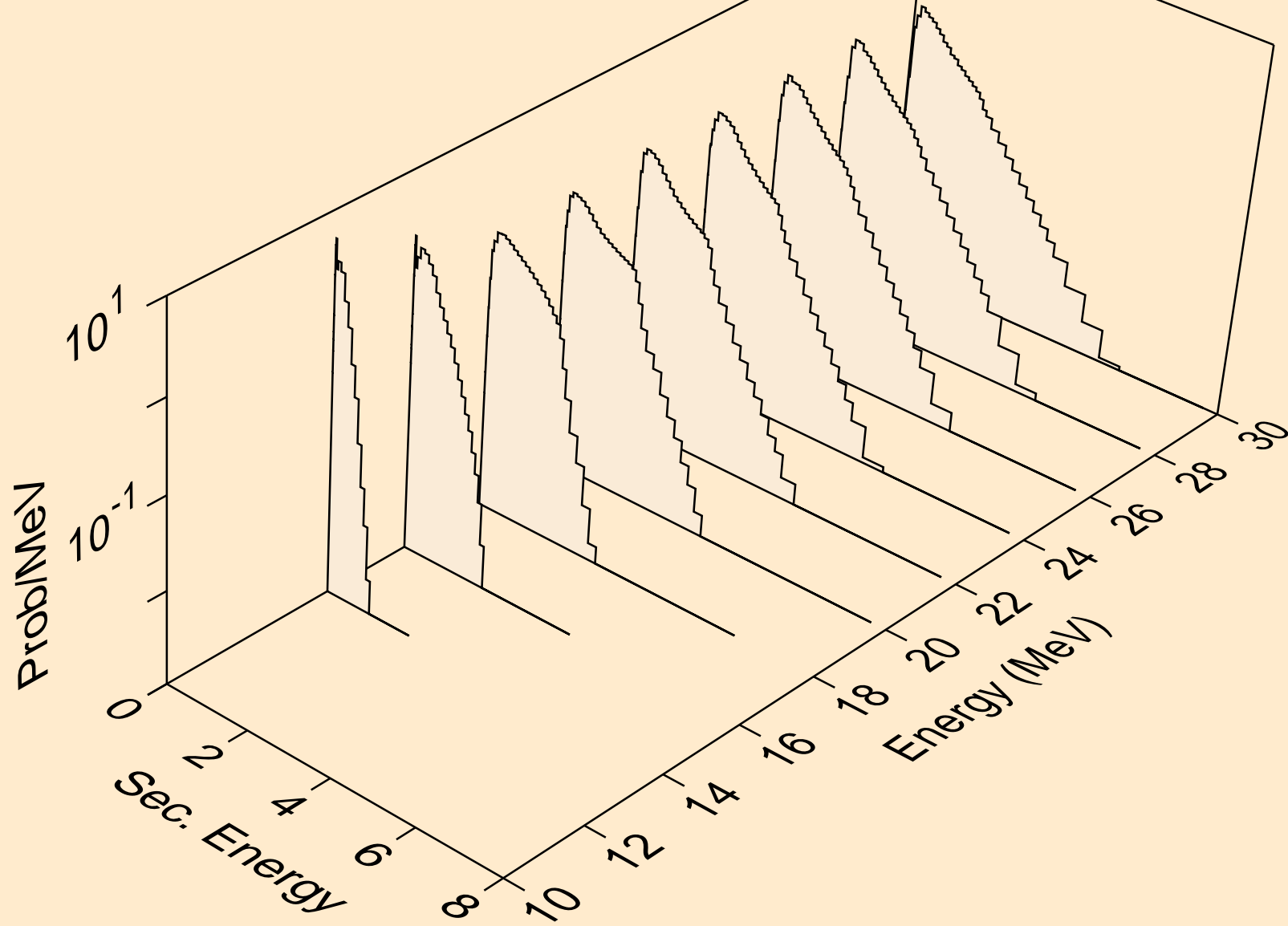
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Neutron emission for (n,n\*)p



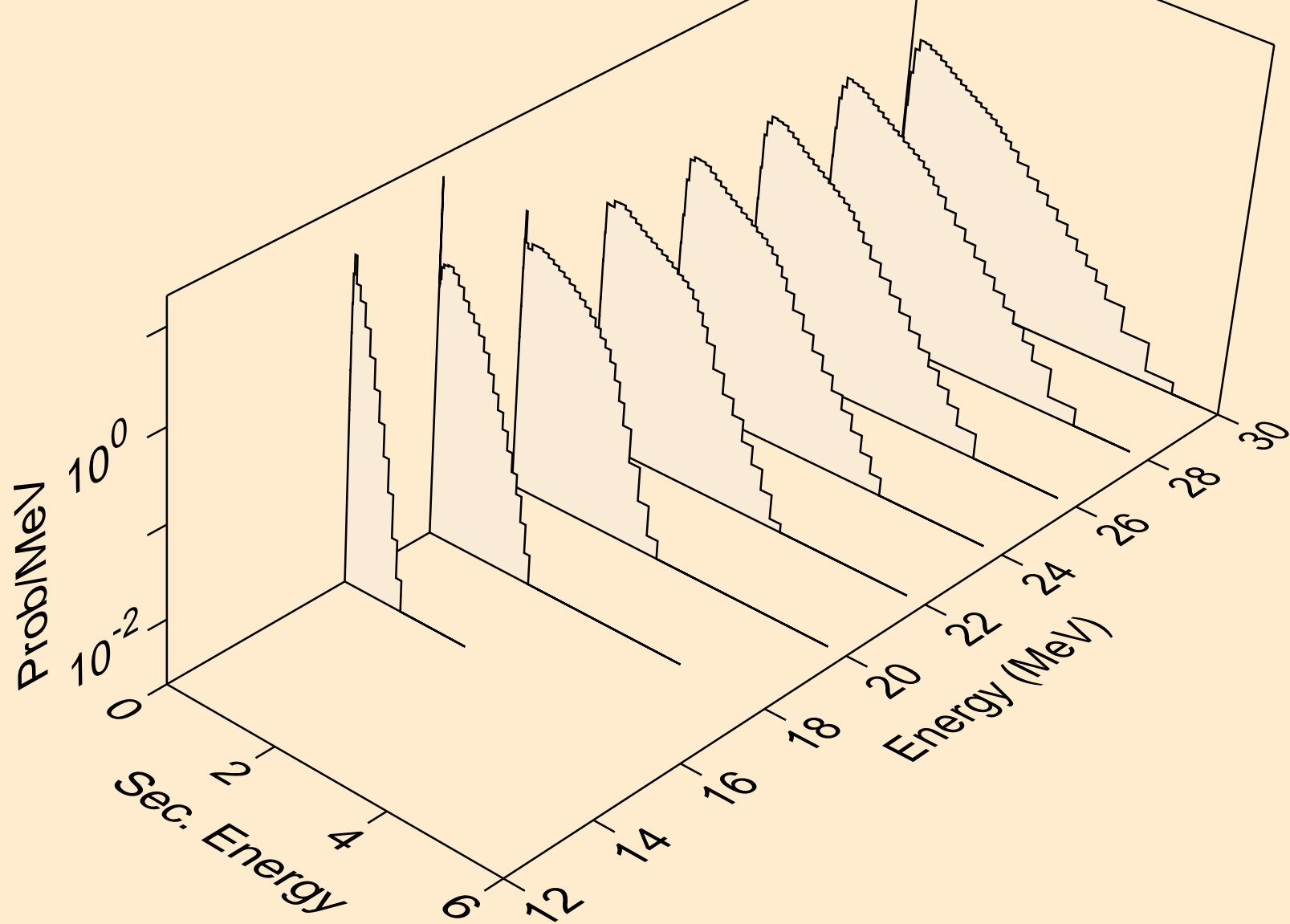
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



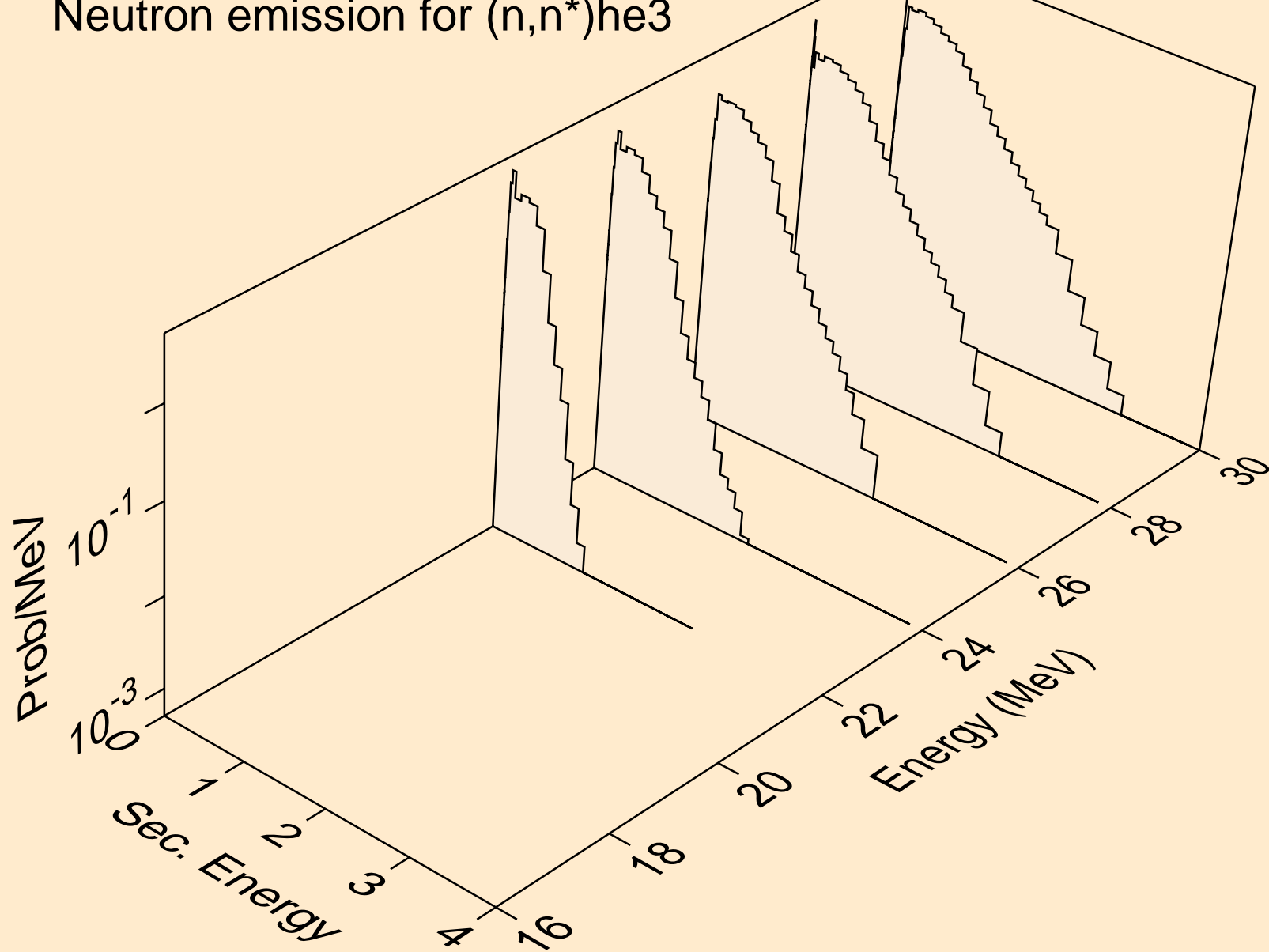
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t

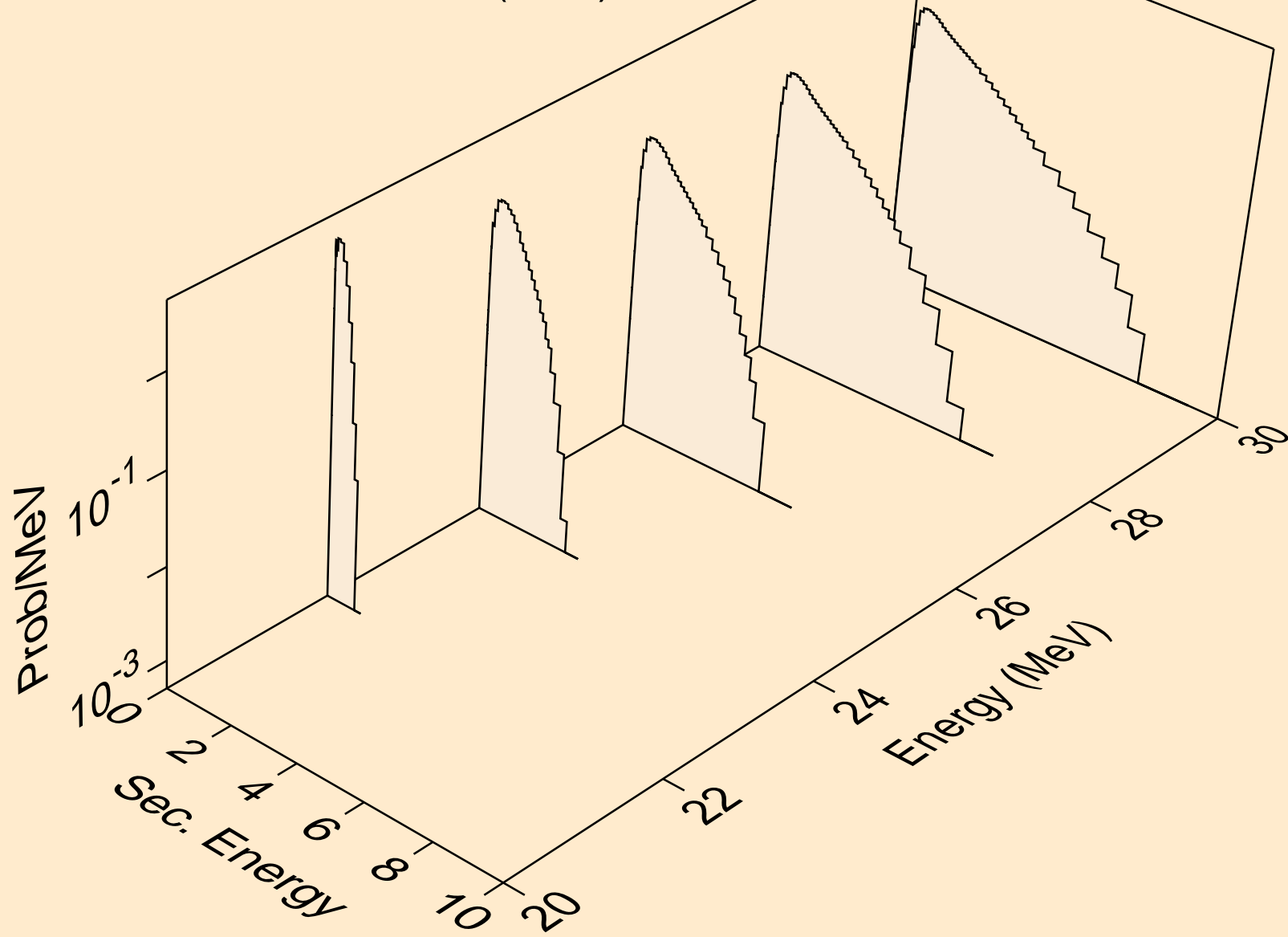


NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

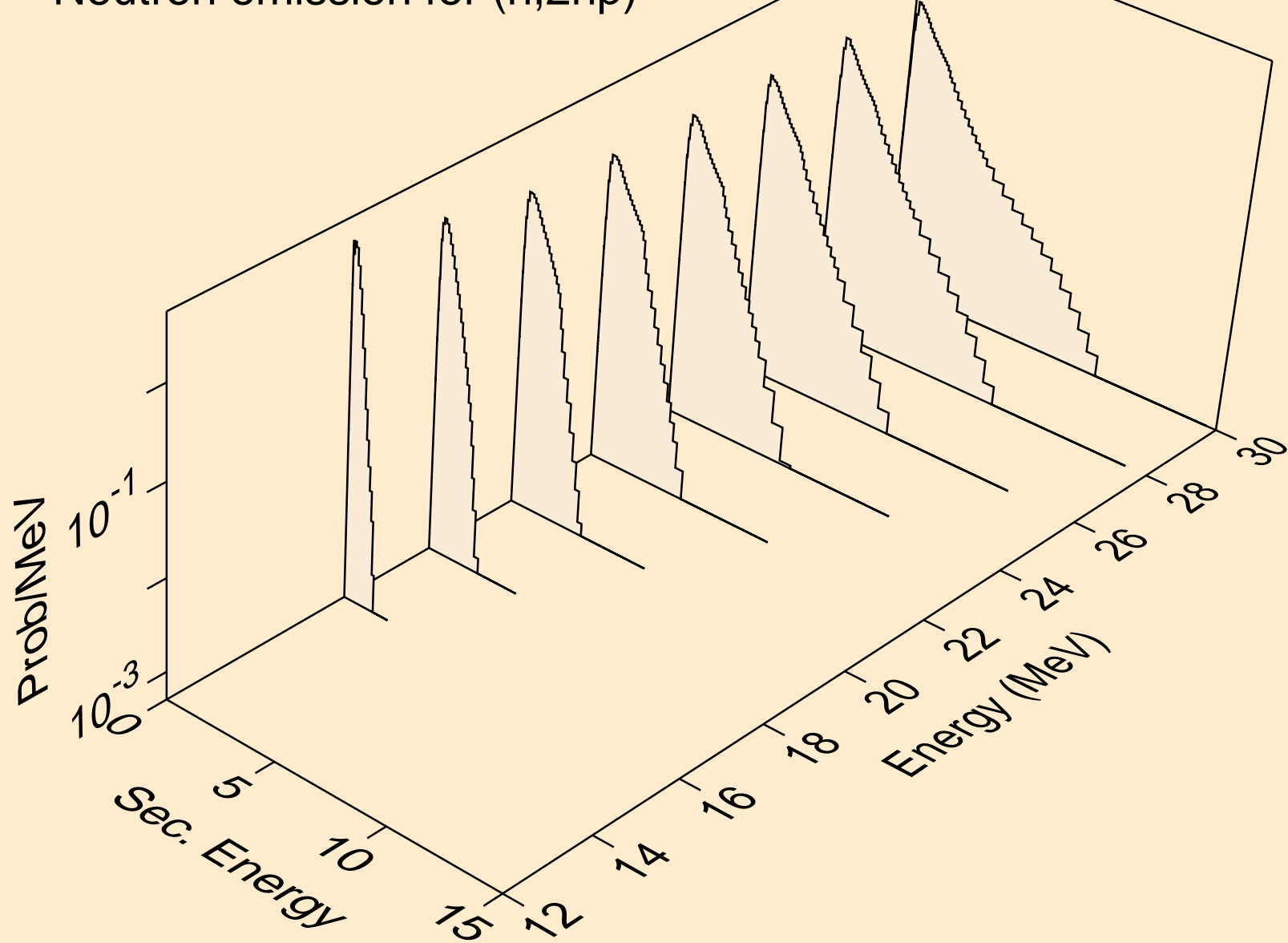




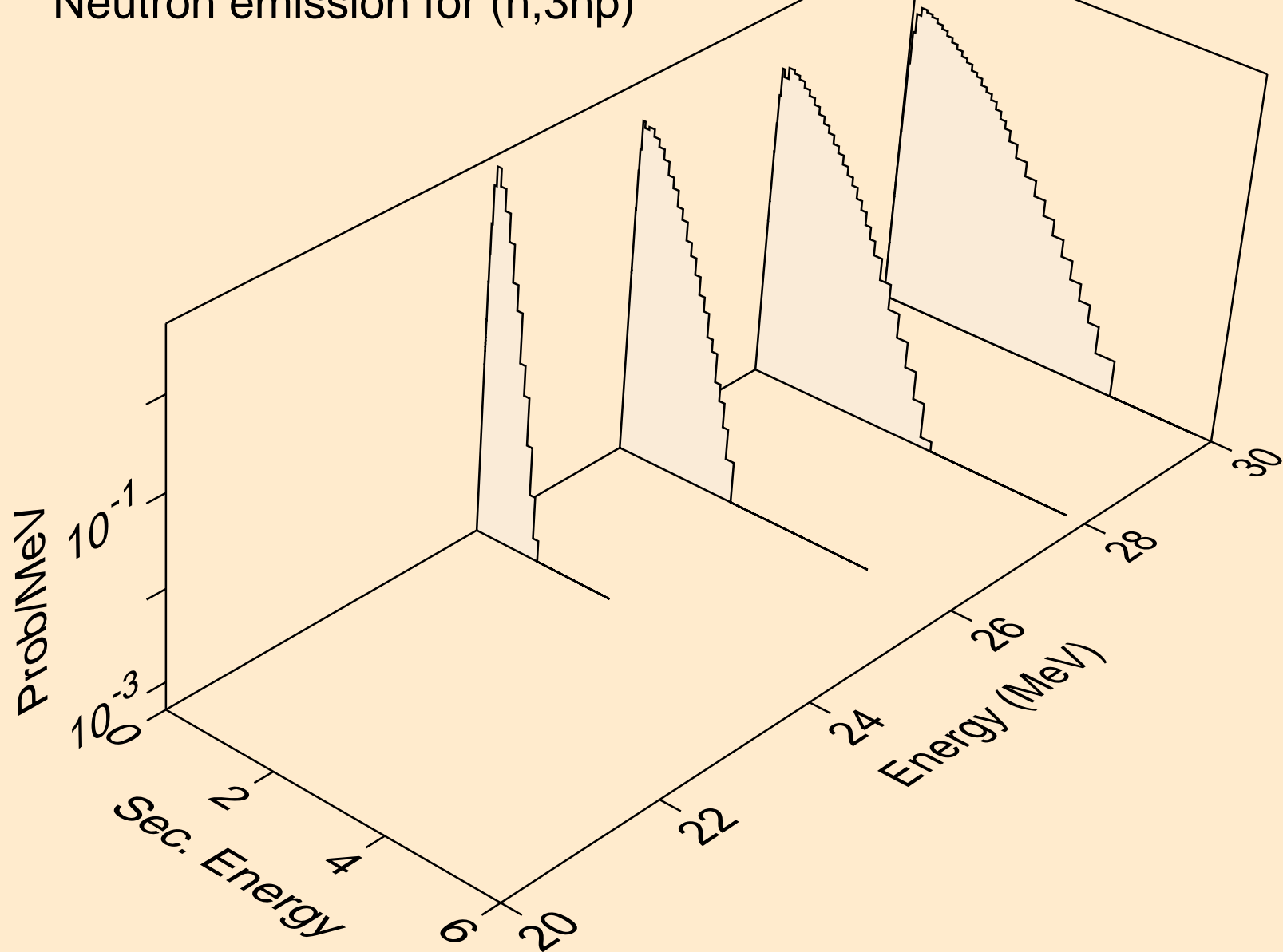
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Neutron emission for (n,4n)



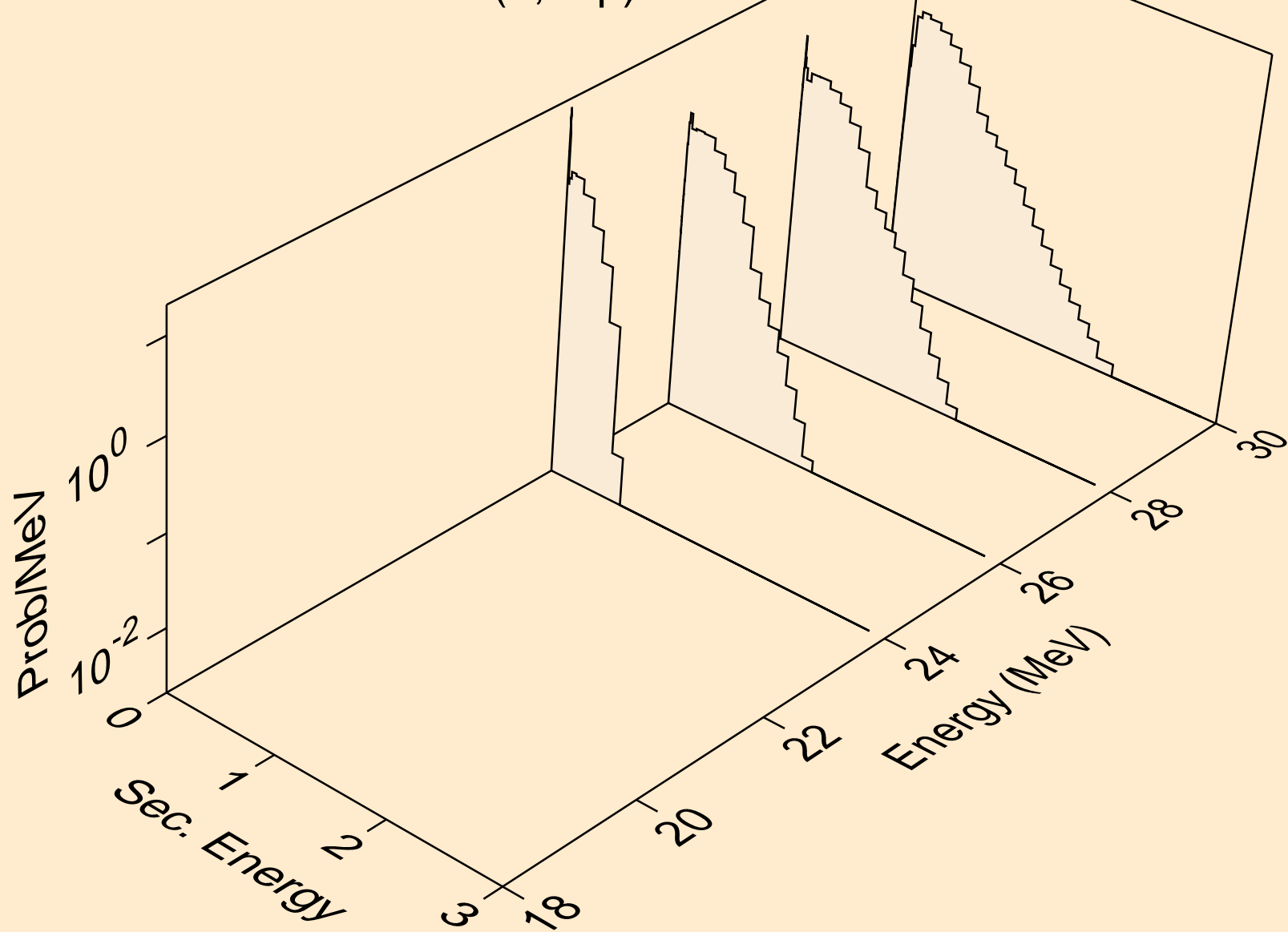
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Neutron emission for (n,2np)



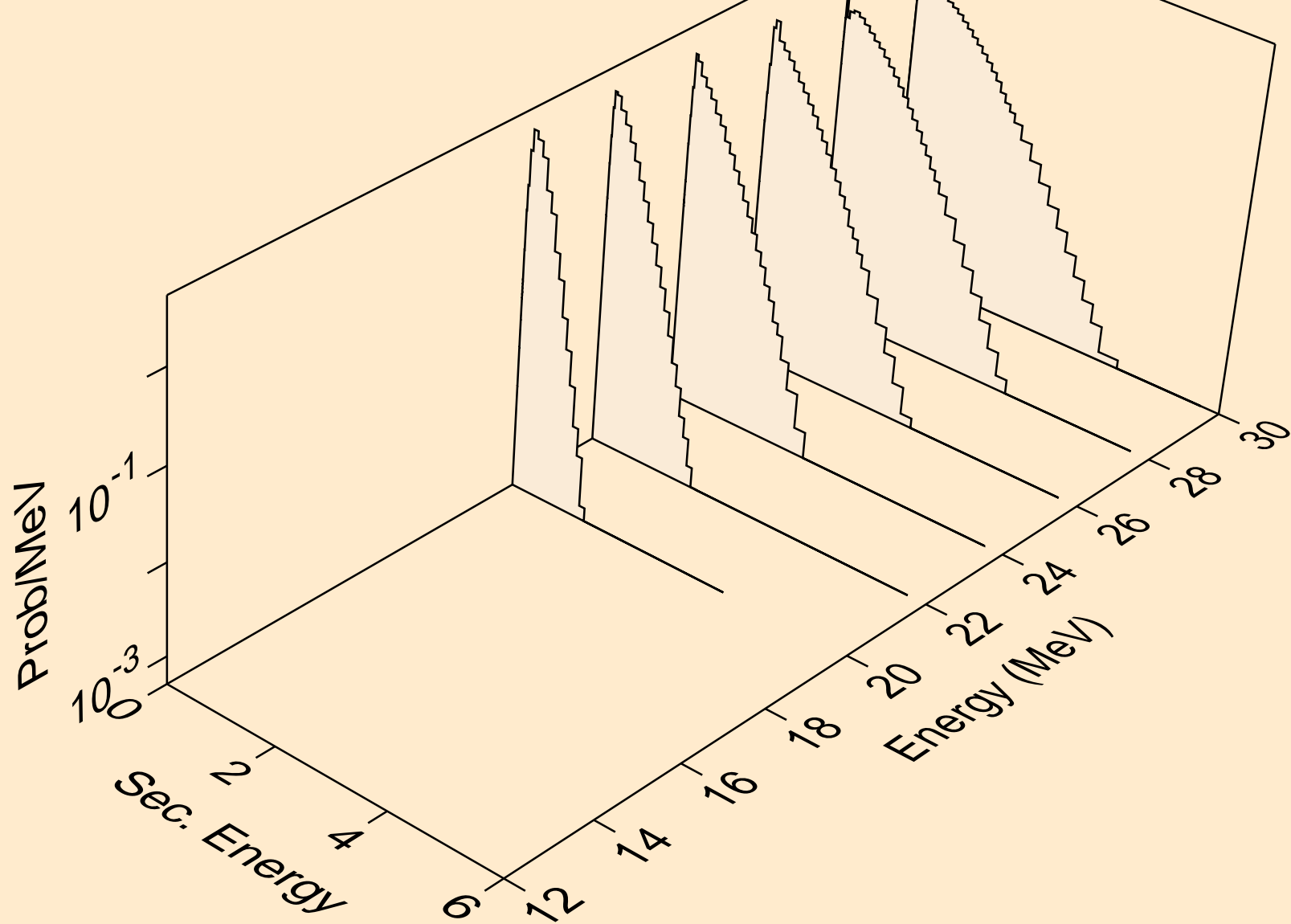
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Neutron emission for (n,3np)



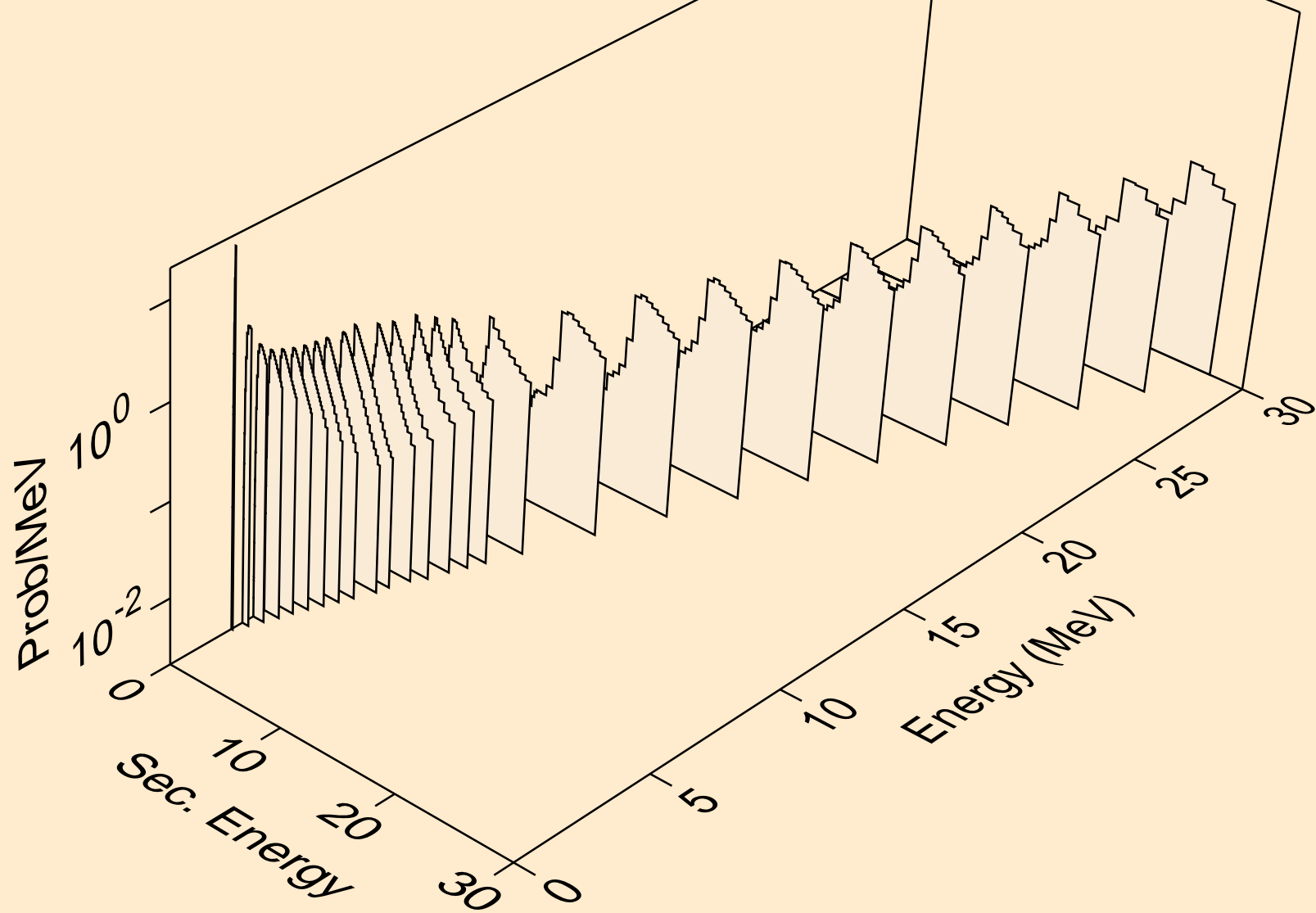
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Neutron emission for (n,n2p)



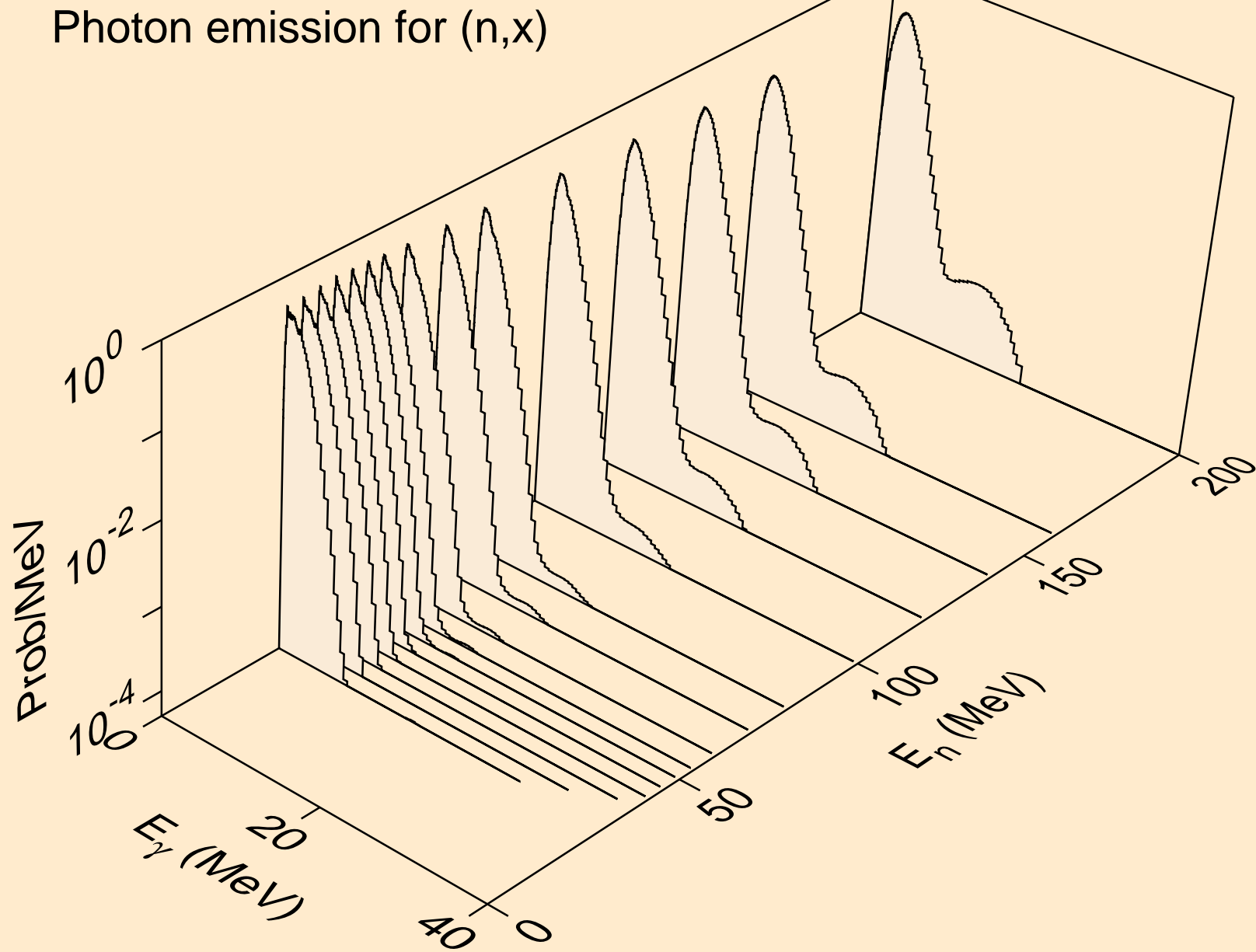
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Neutron emission for (n,npa)



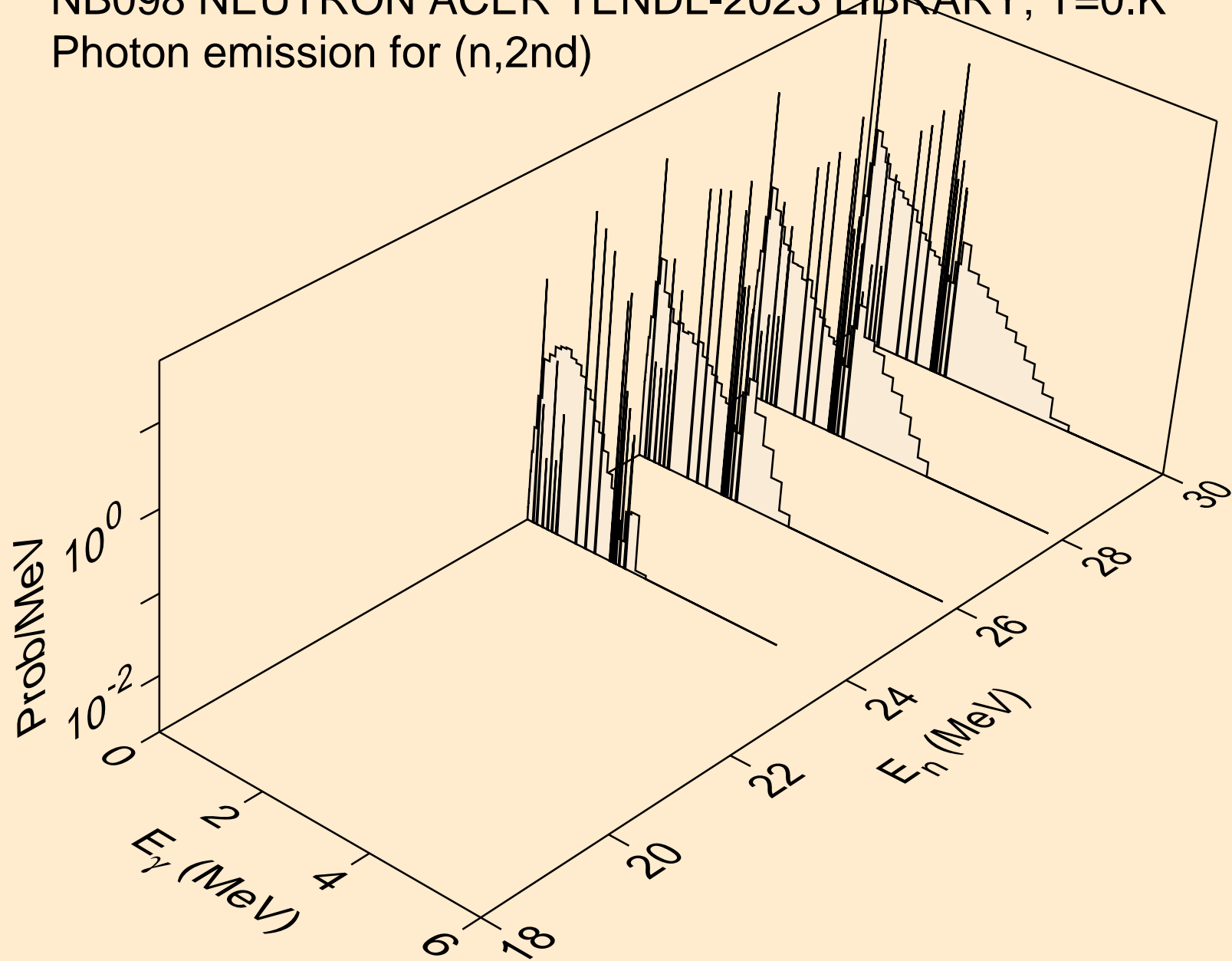
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)

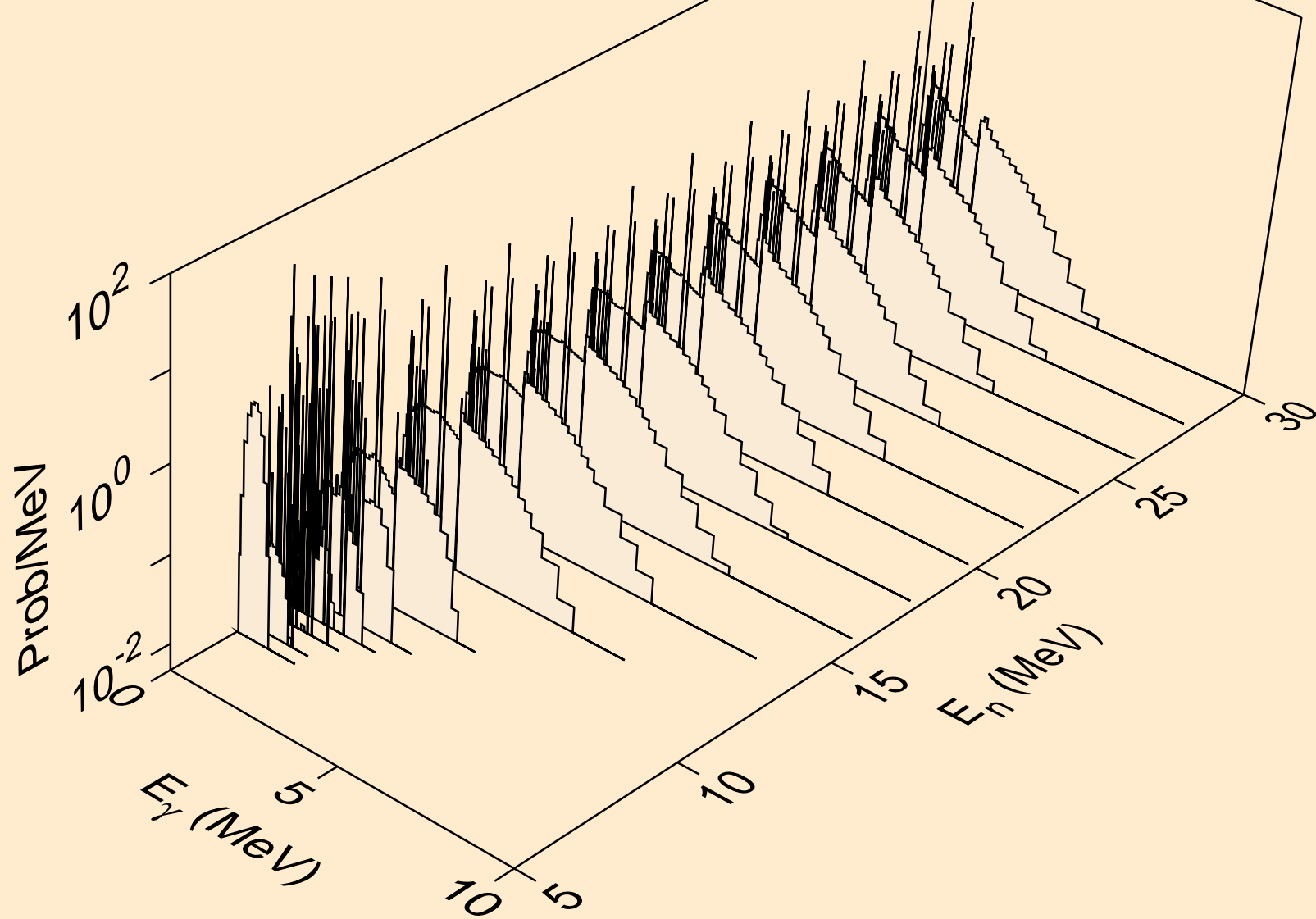


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Photon emission for (n,2nd)

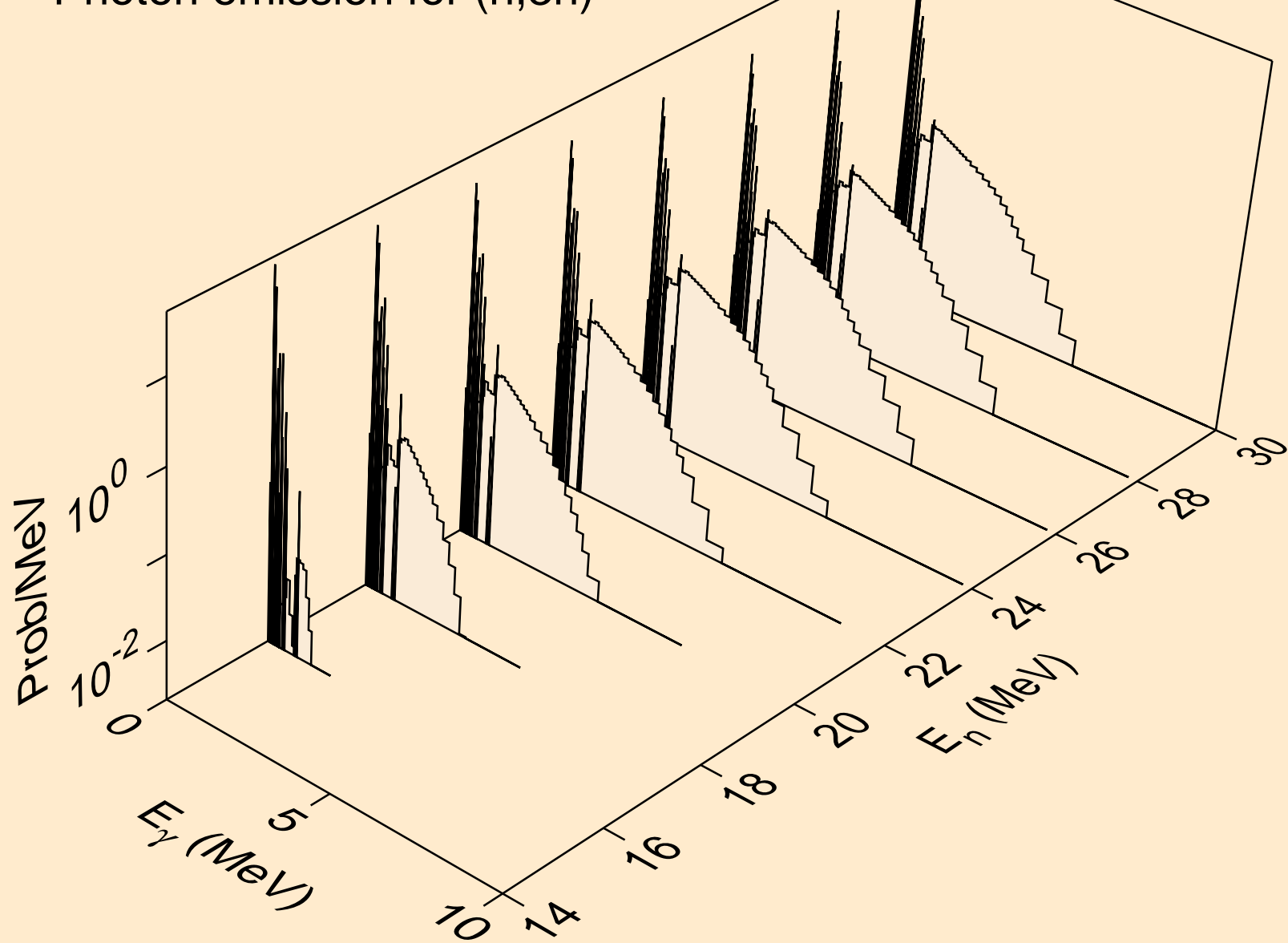




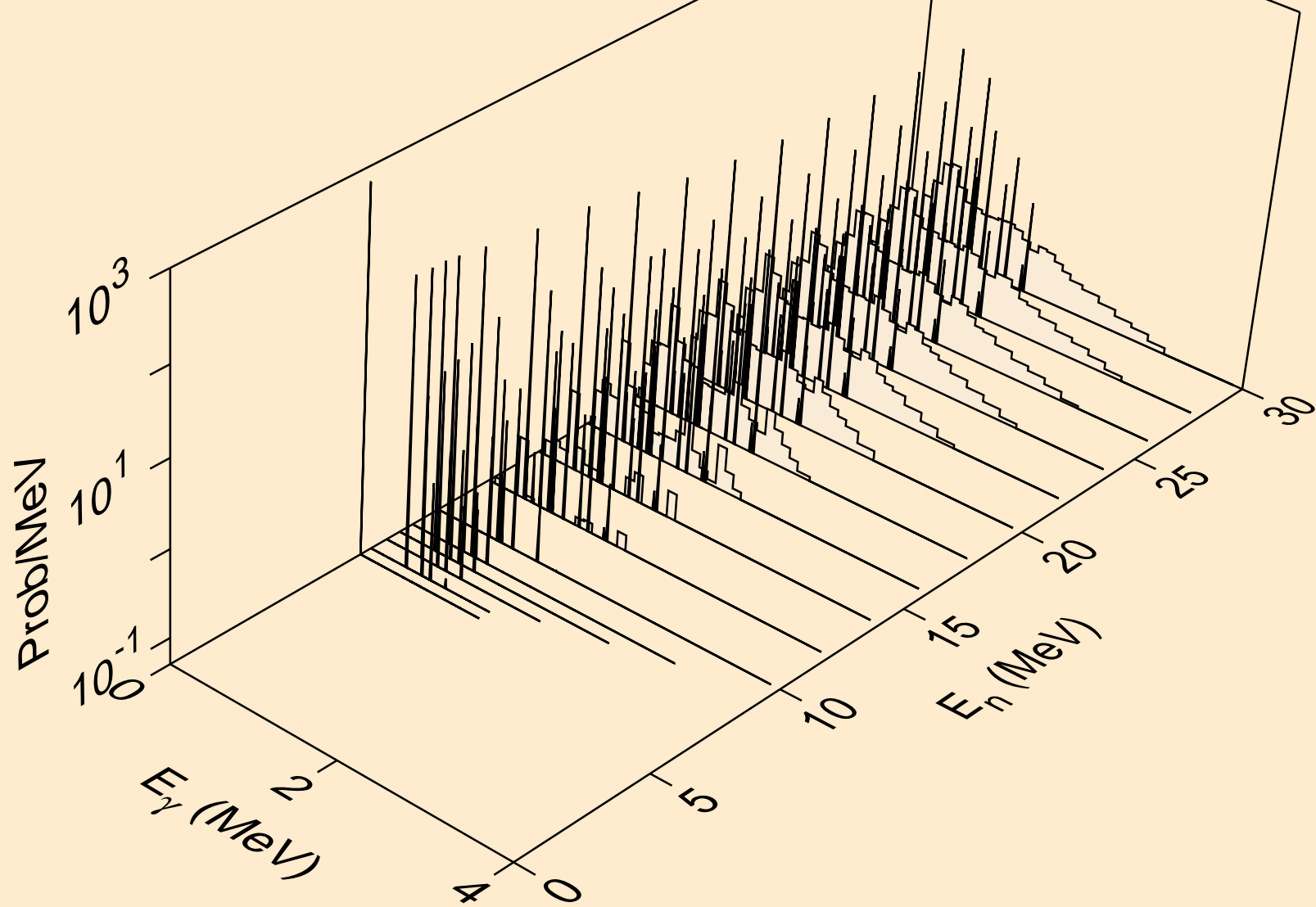
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Photon emission for (n,2n)



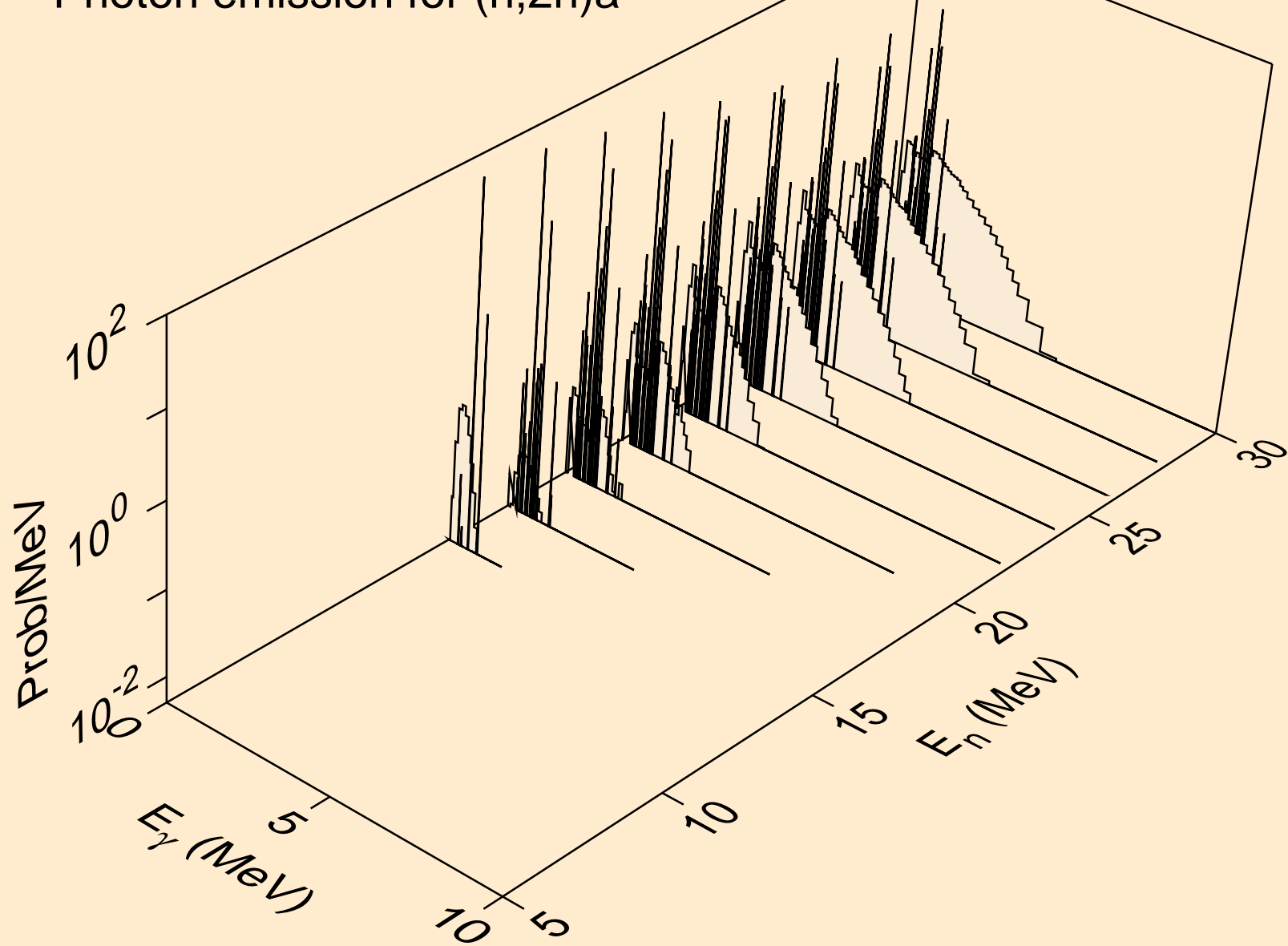
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Photon emission for (n,3n)



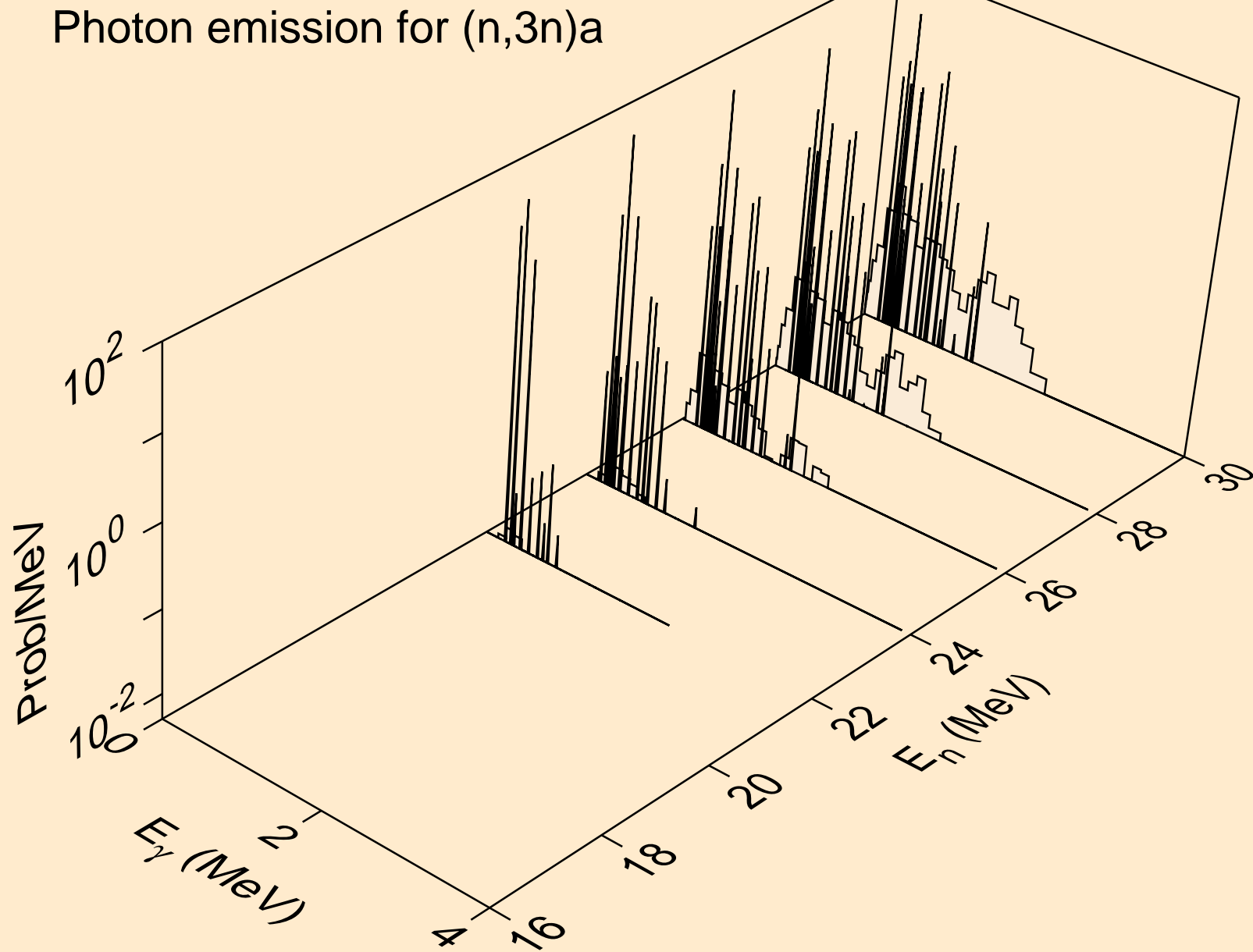
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Photon emission for (n,n\*)a



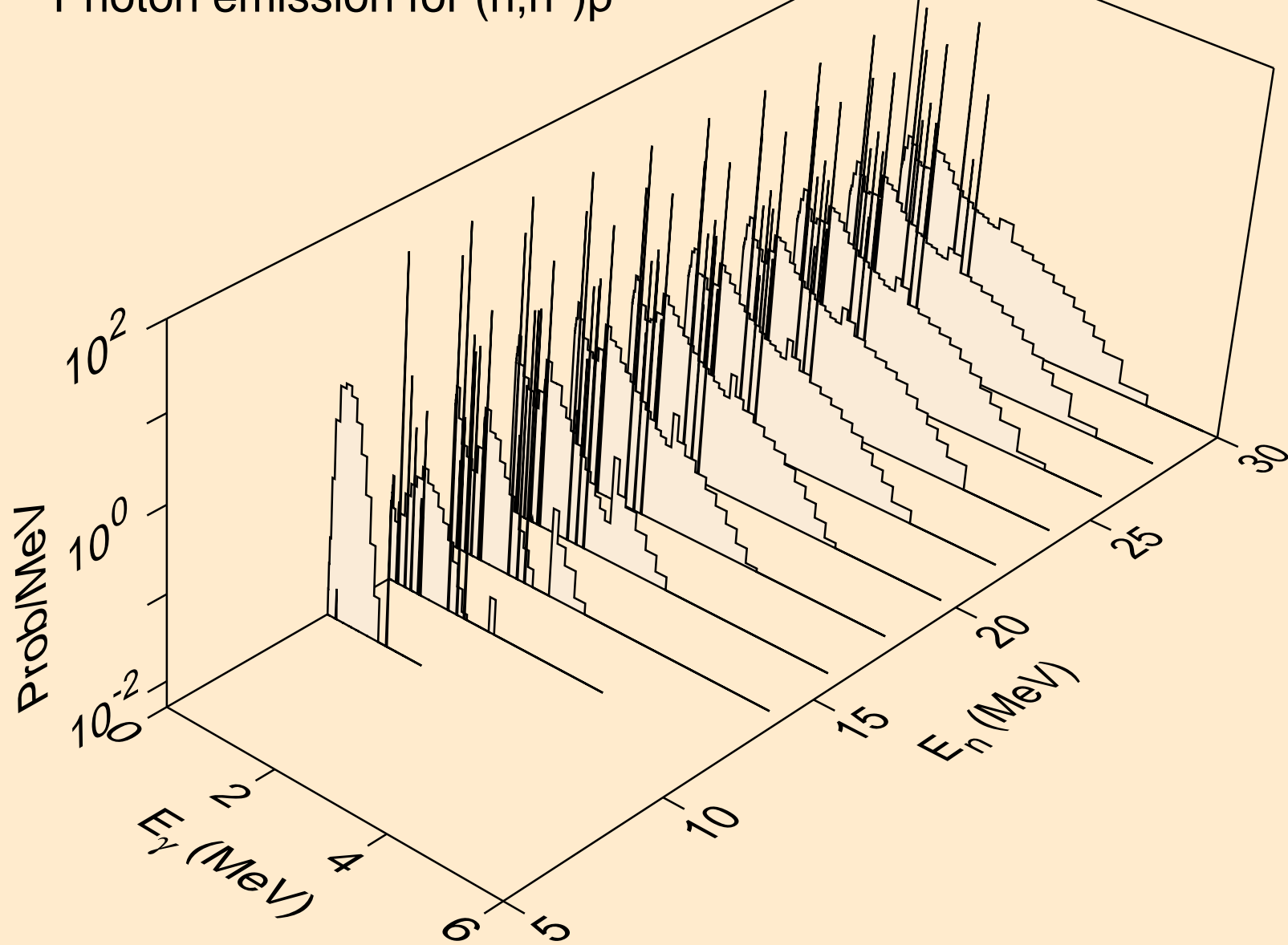
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Photon emission for (n,2n)a



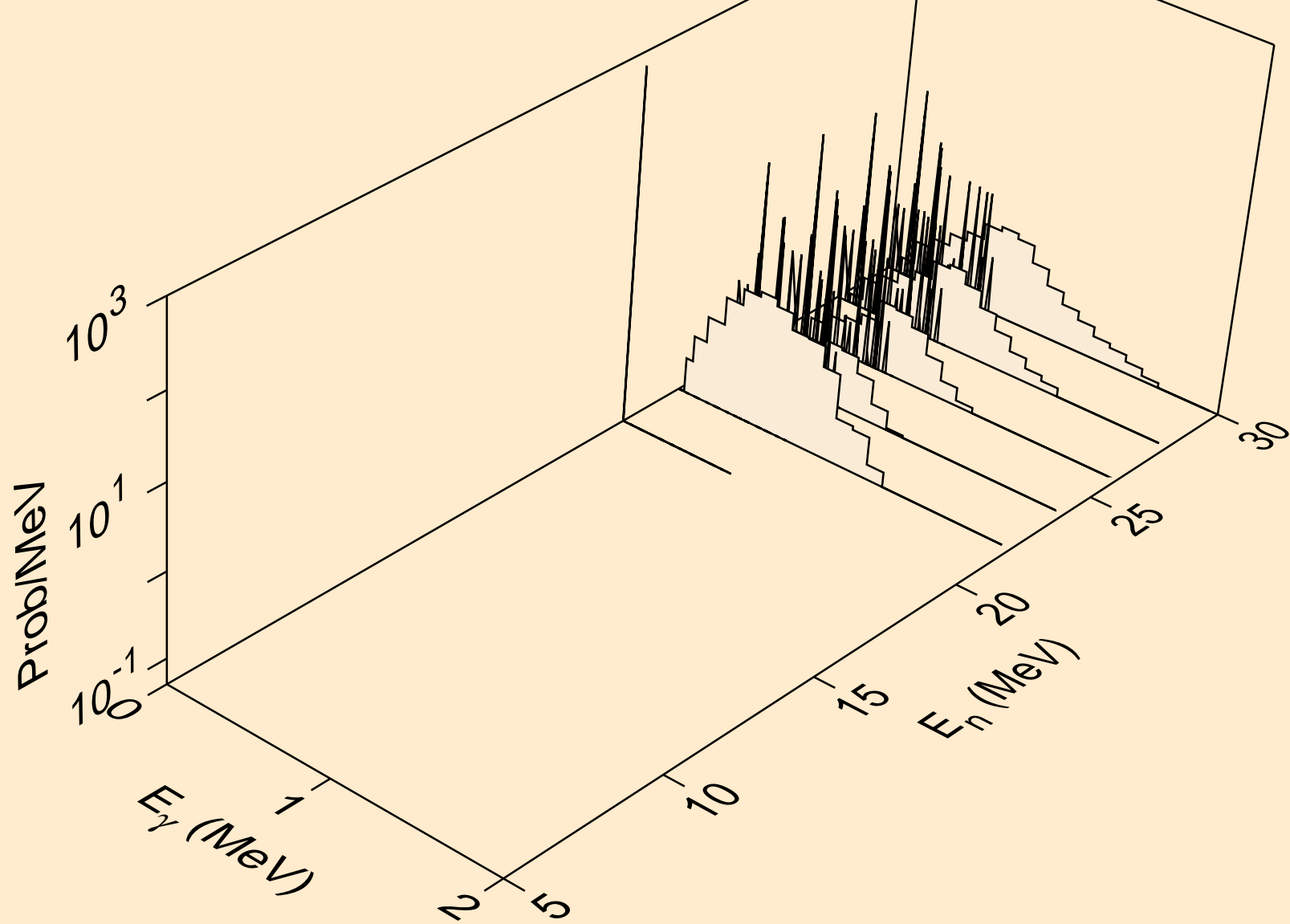
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Photon emission for (n,3n)a



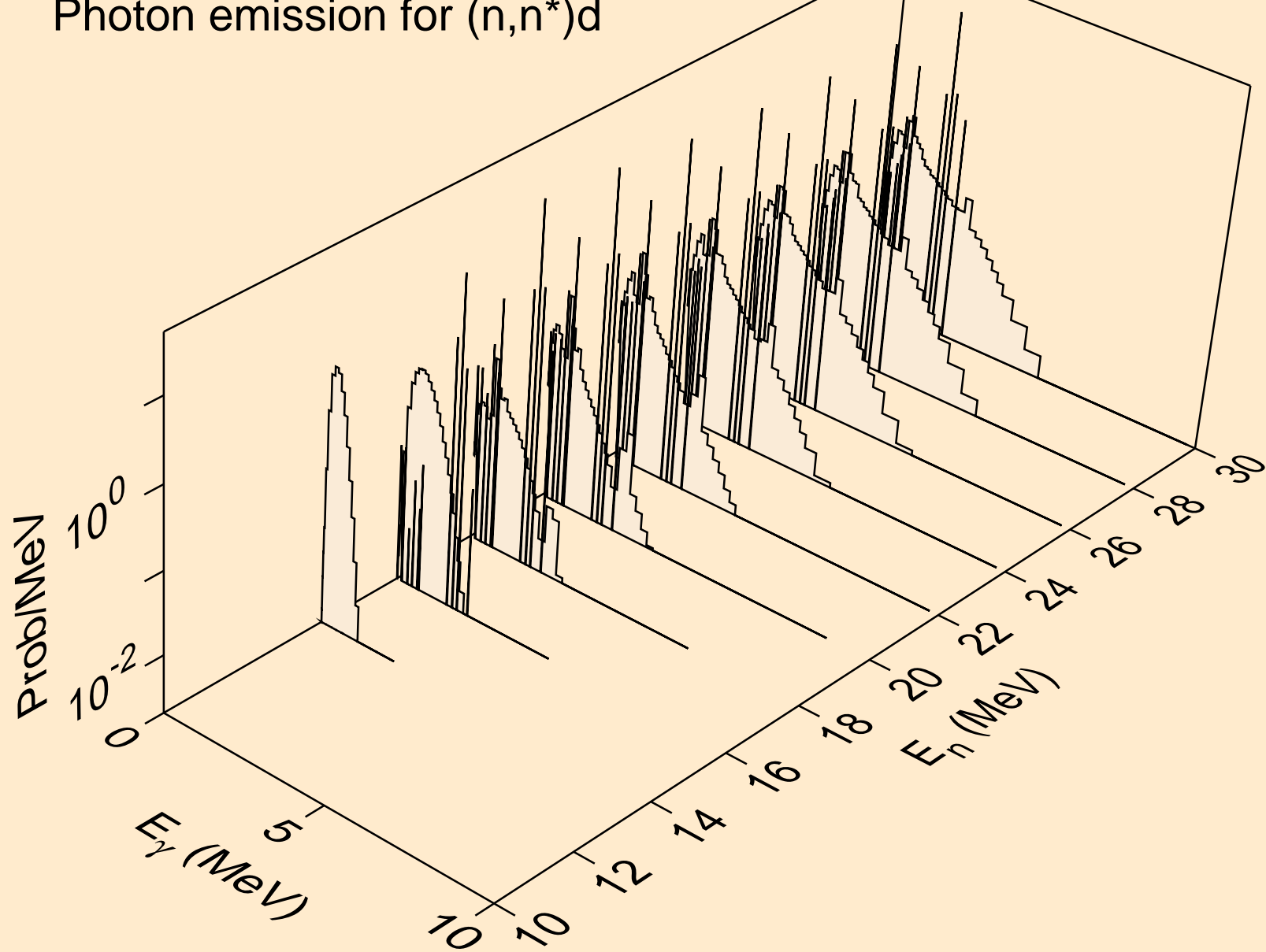
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

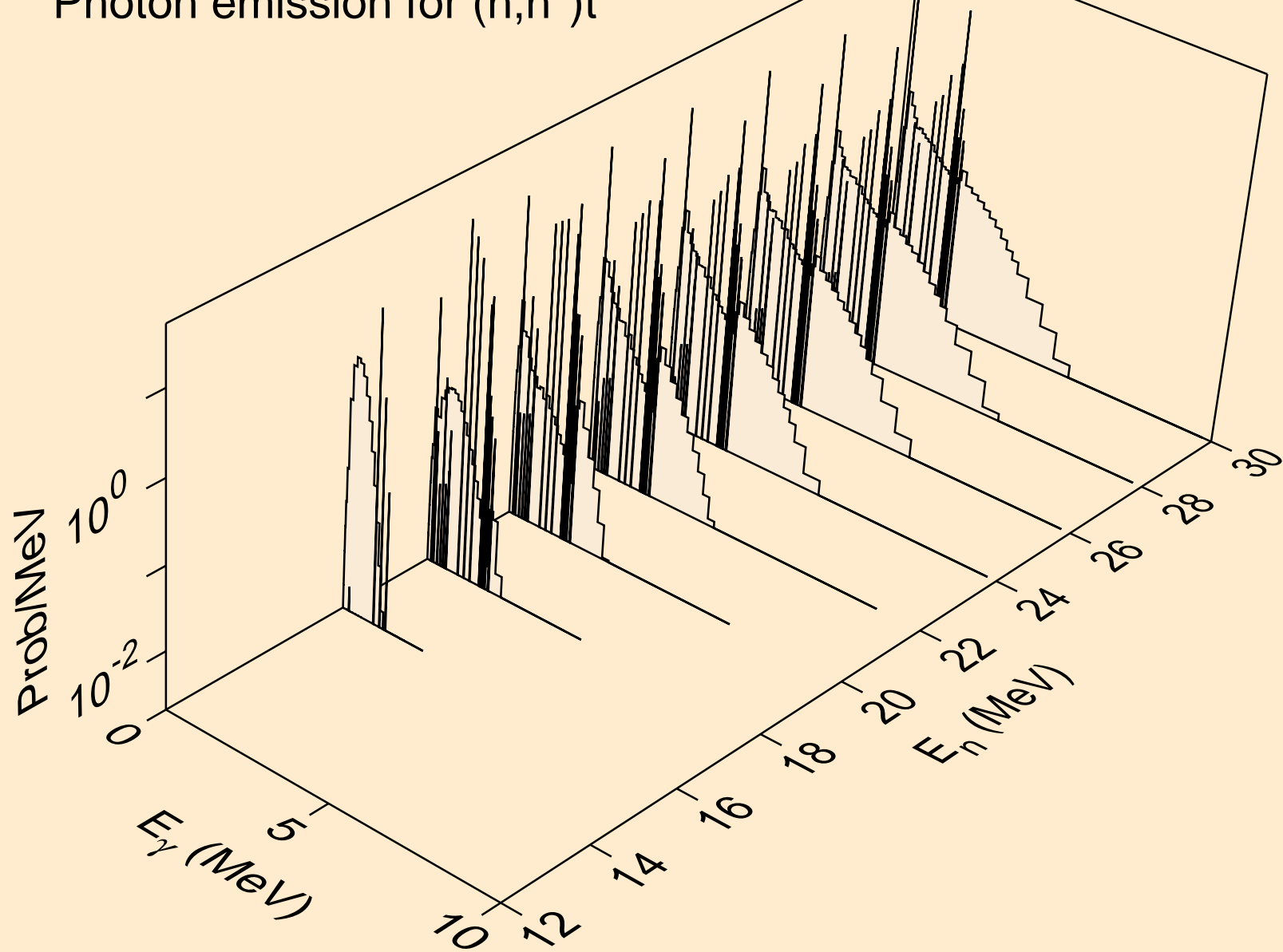


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Photon emission for (n,n\*)d

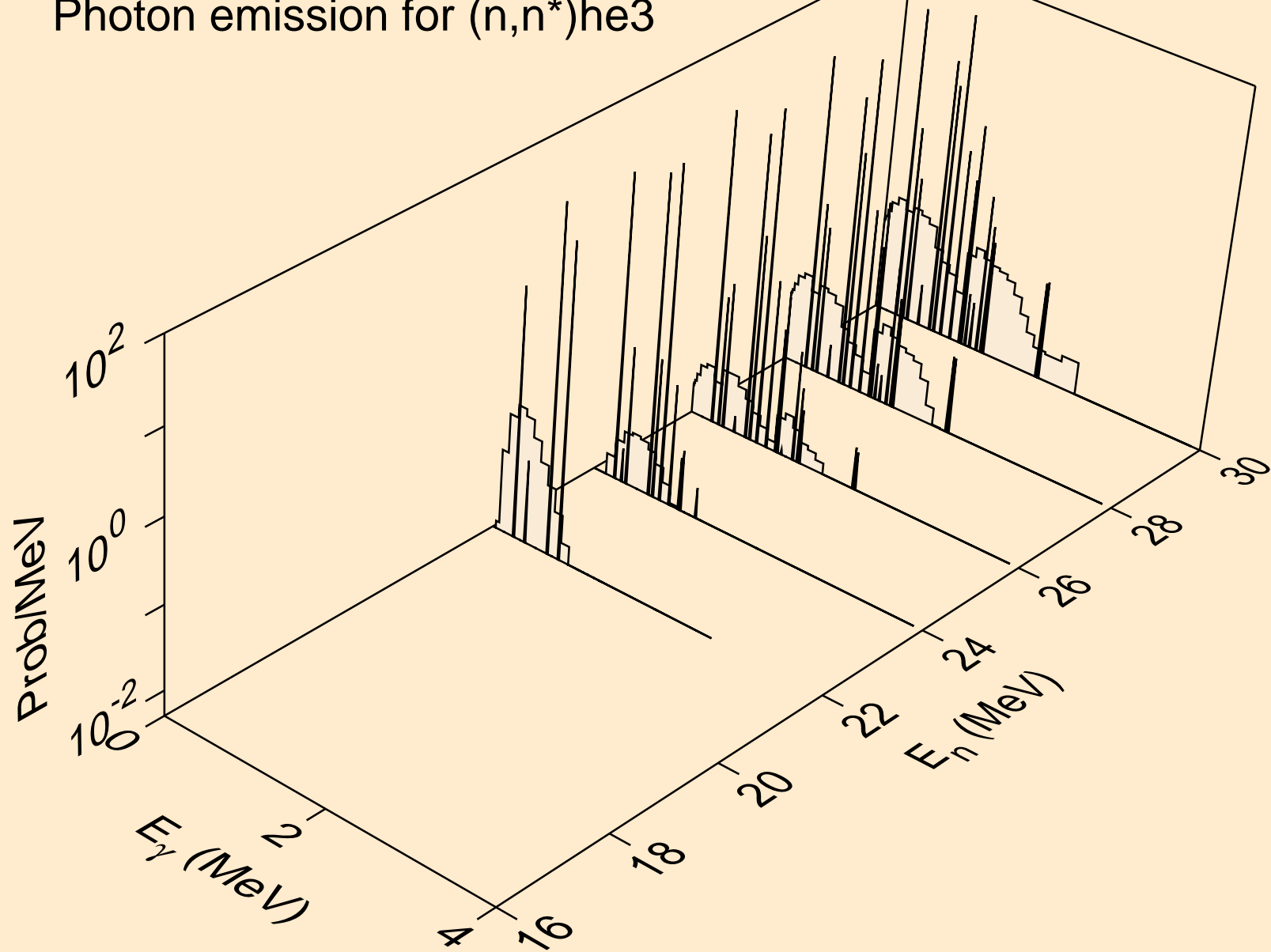




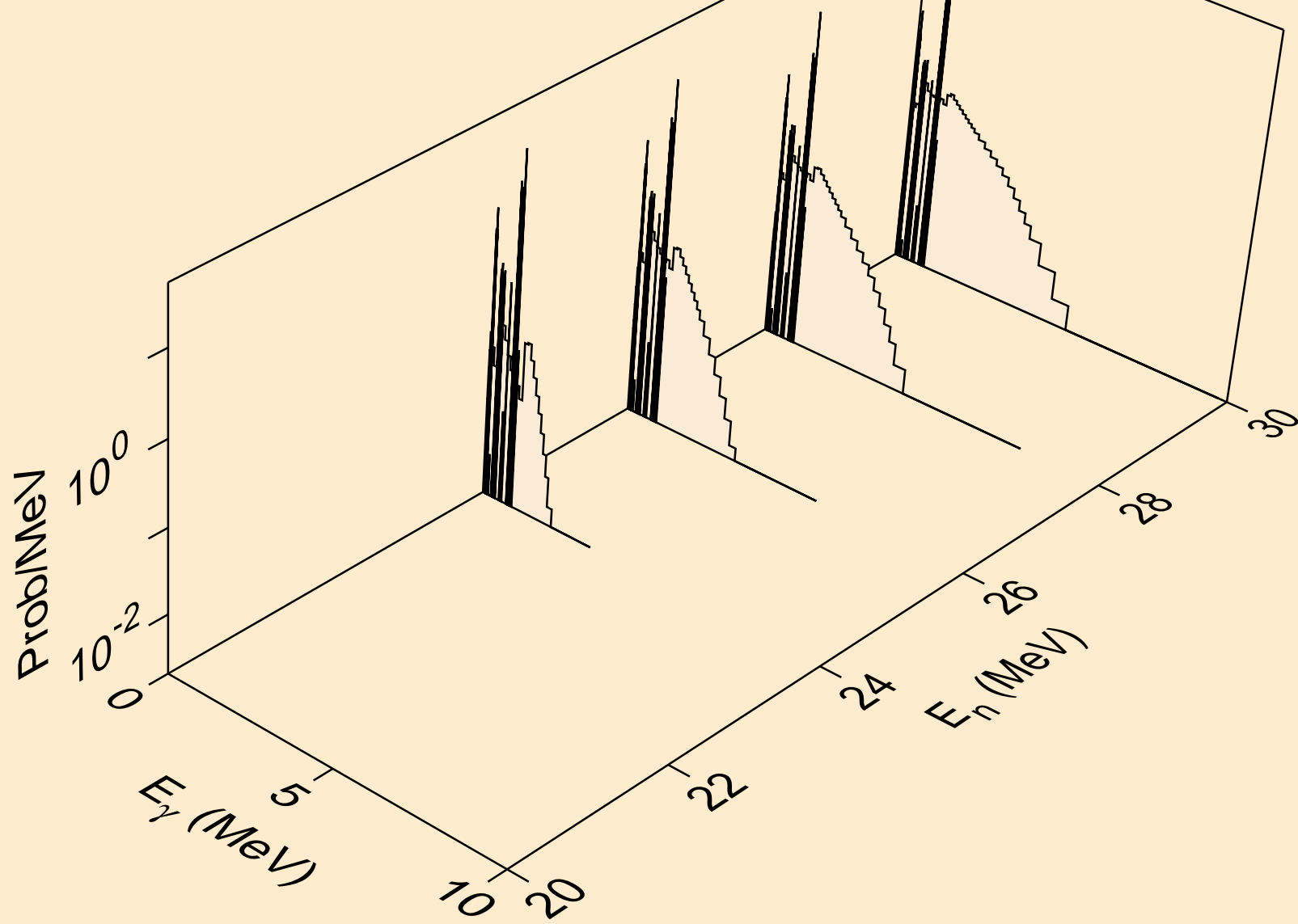
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Photon emission for (n,n\*)t



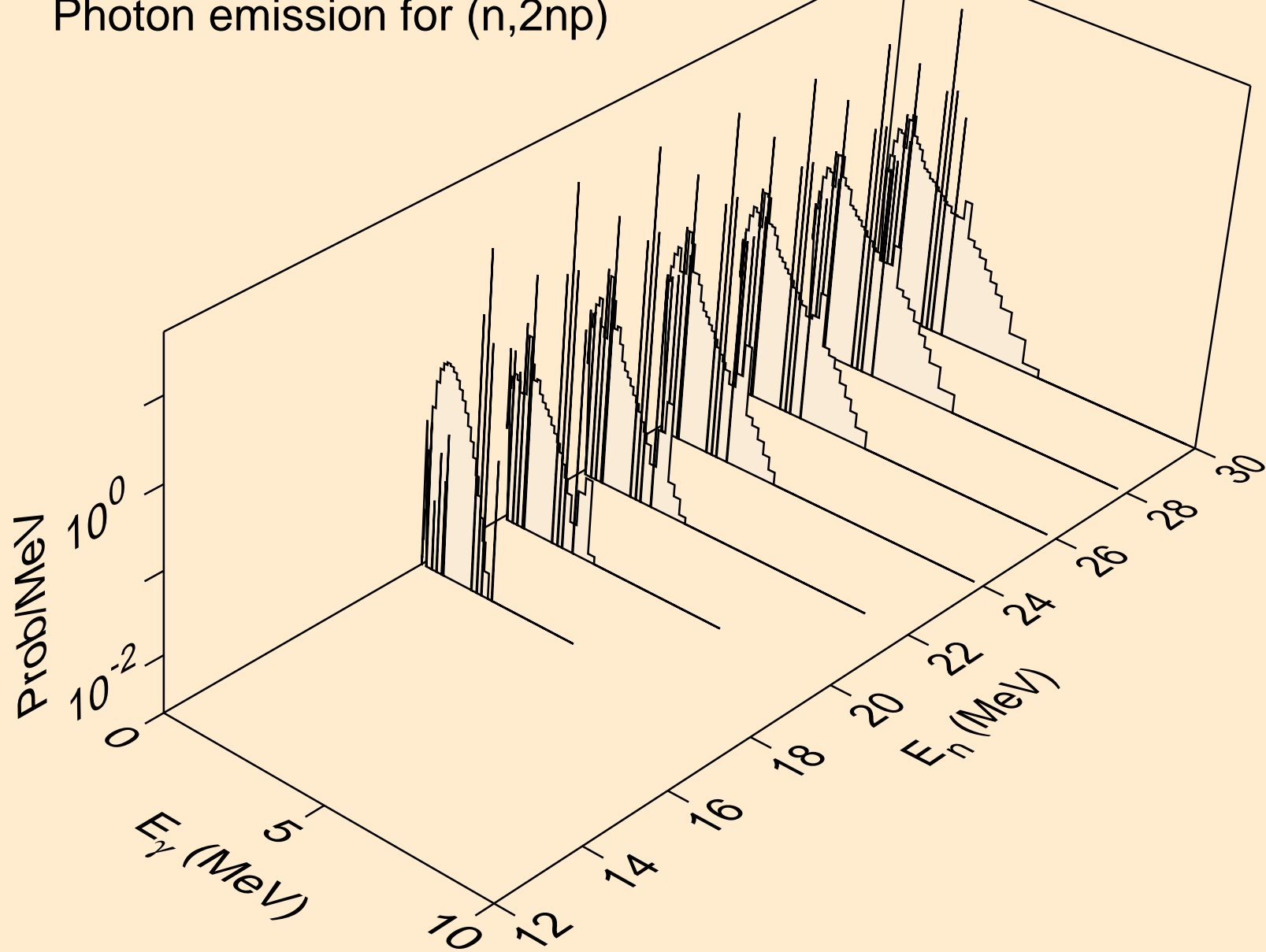
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Photon emission for (n,n\*)he3



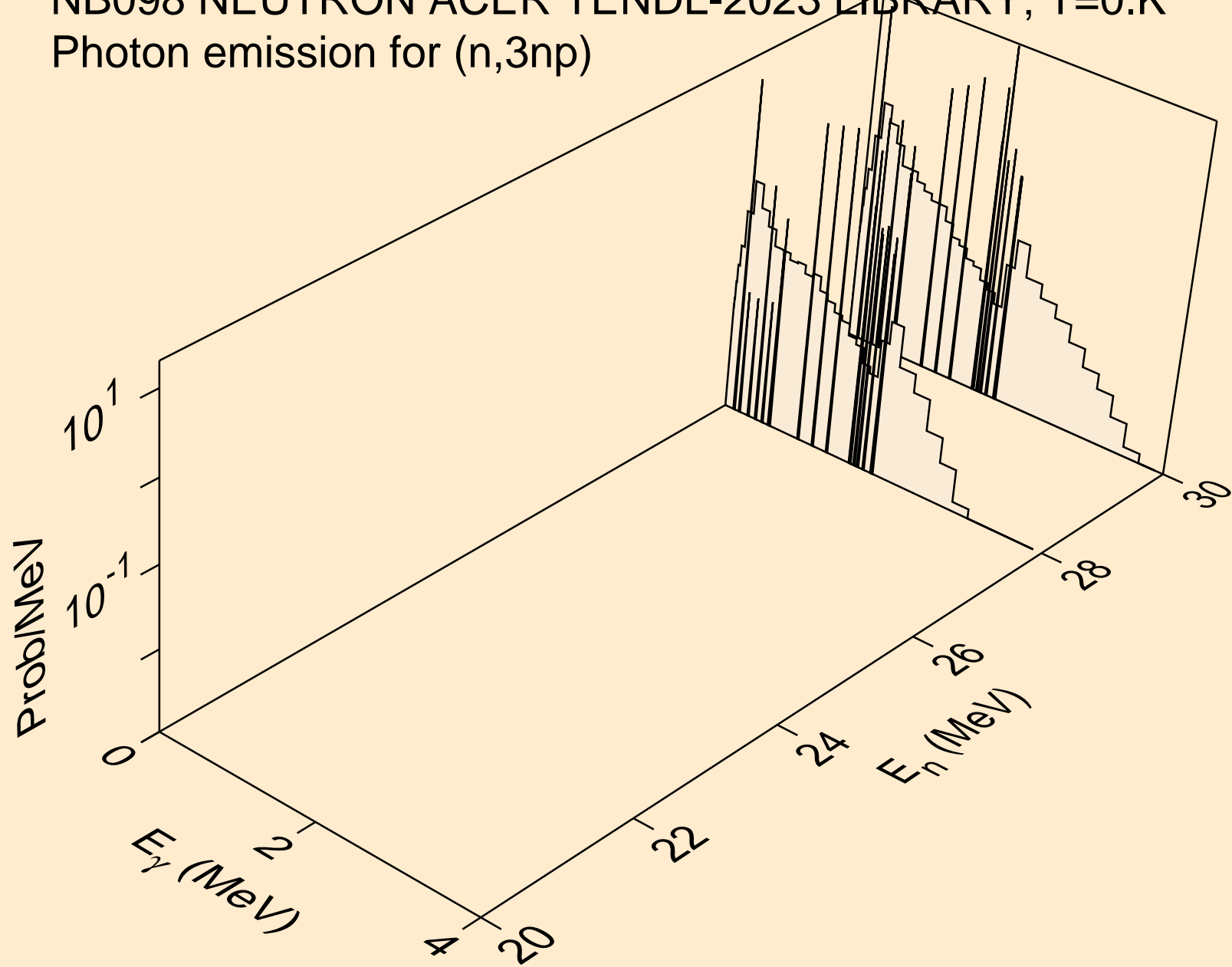
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Photon emission for (n,4n)



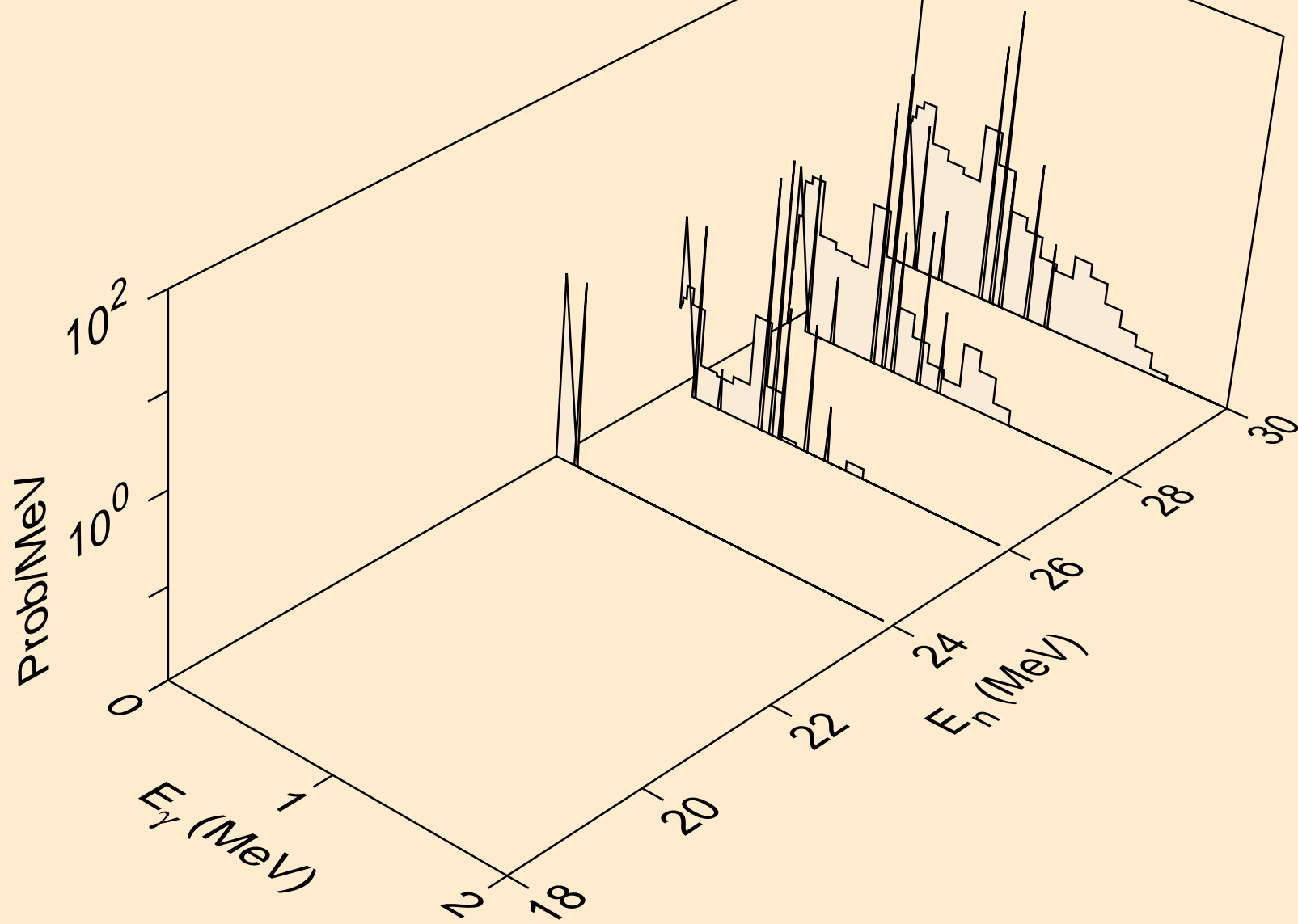
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Photon emission for (n,2np)



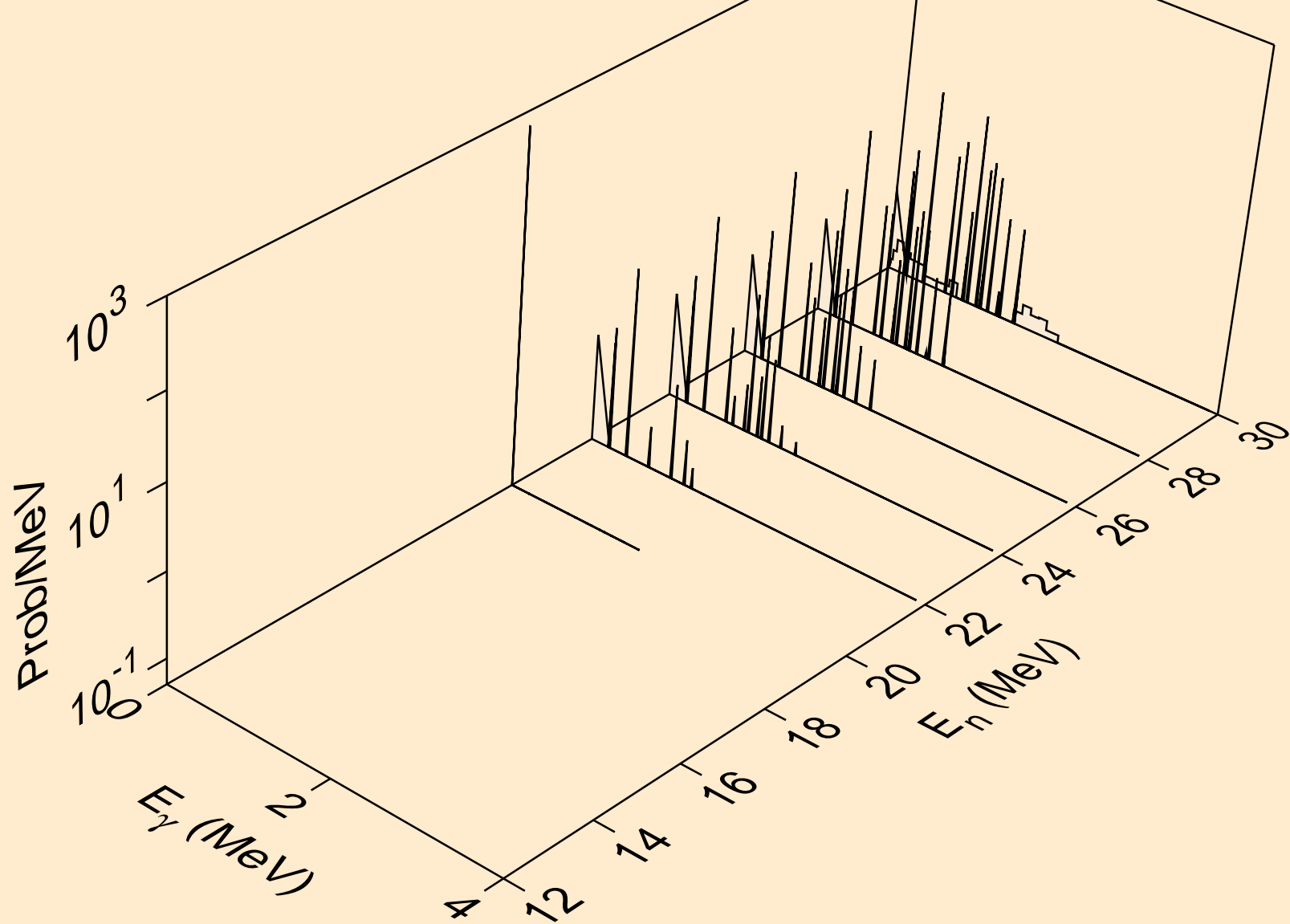
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Photon emission for (n,3np)



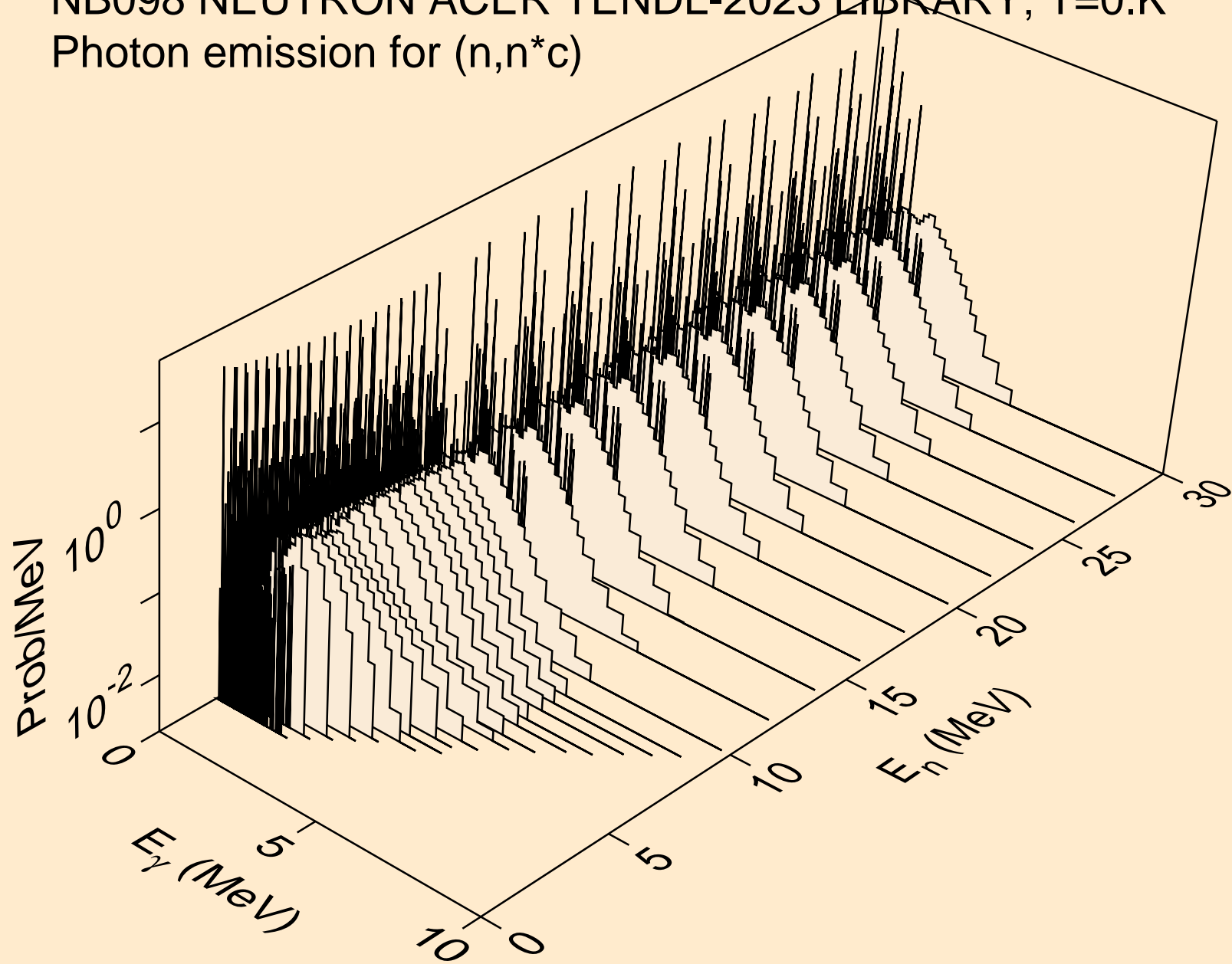
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Photon emission for (n,n2p)



NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)

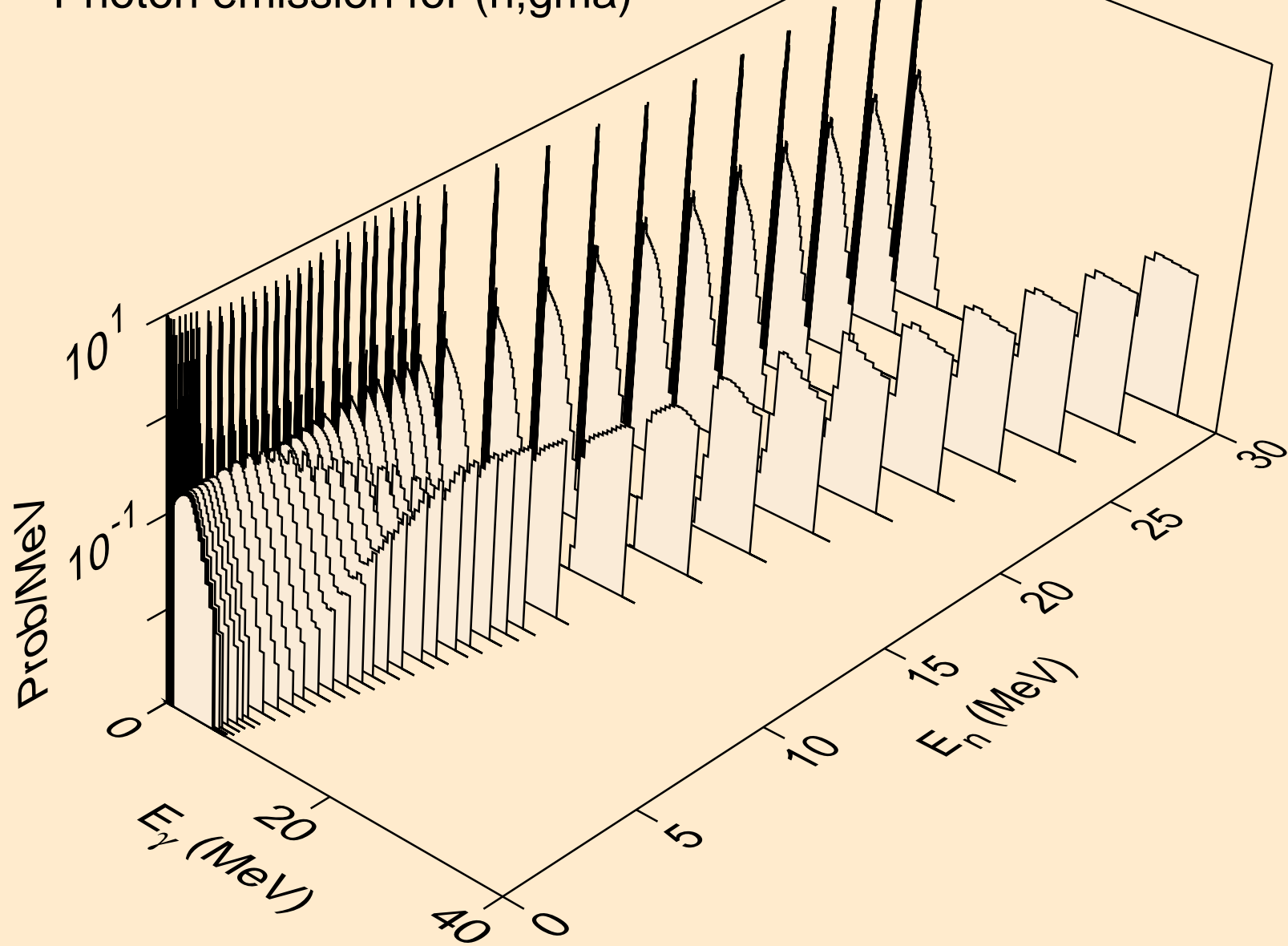


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Photon emission for (n,n\*c)

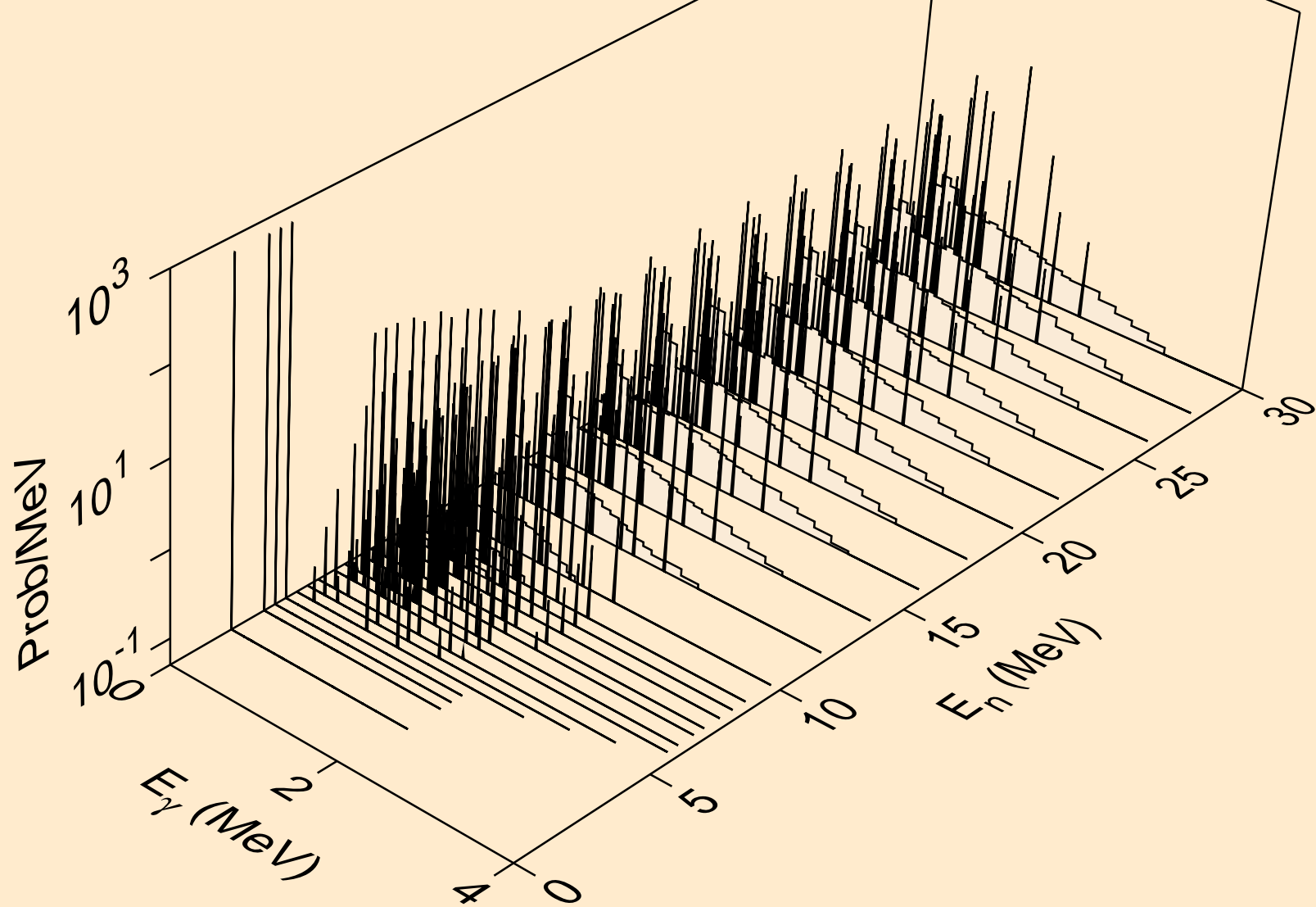




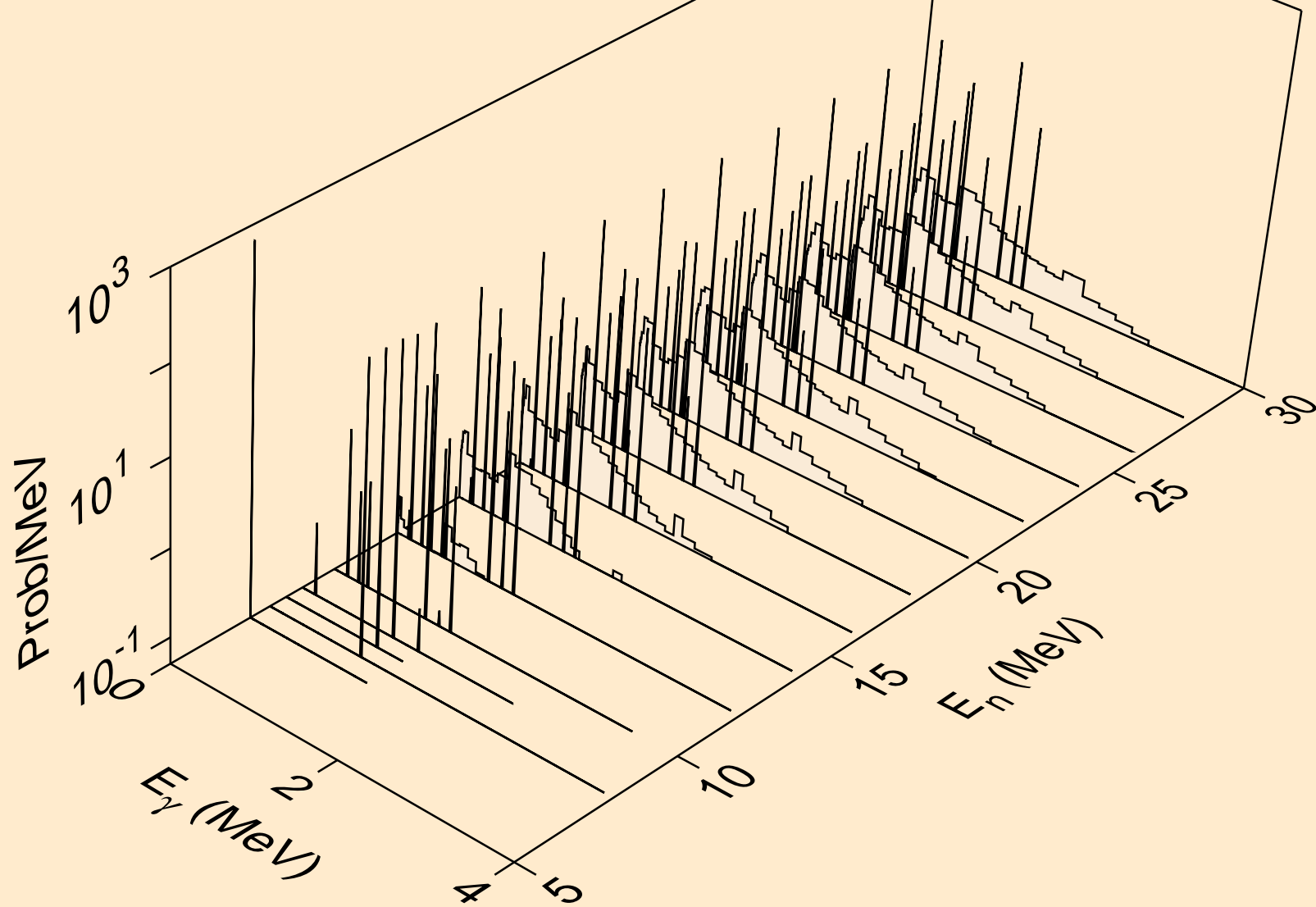
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Photon emission for (n,gma)



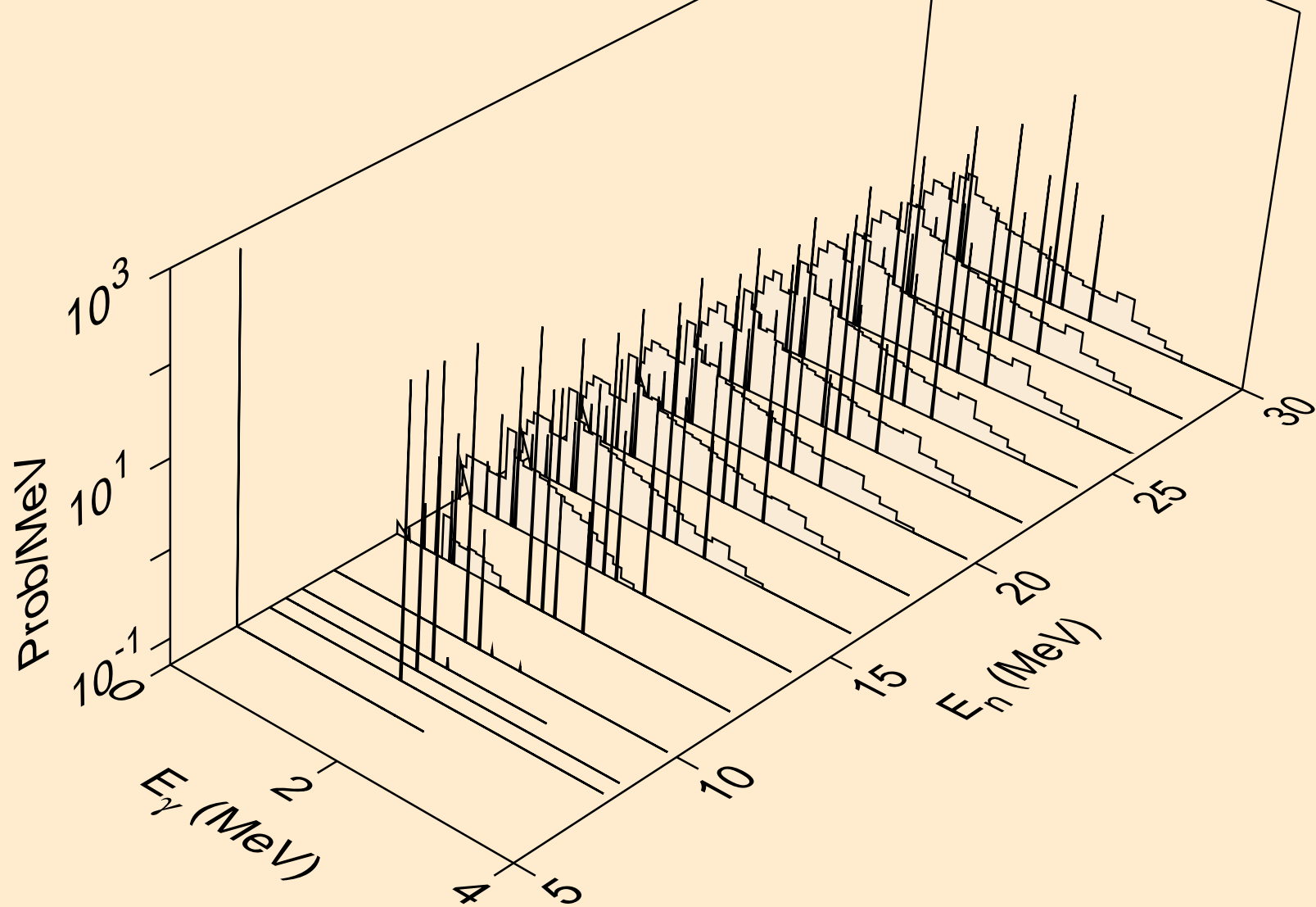
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Photon emission for (n,p)



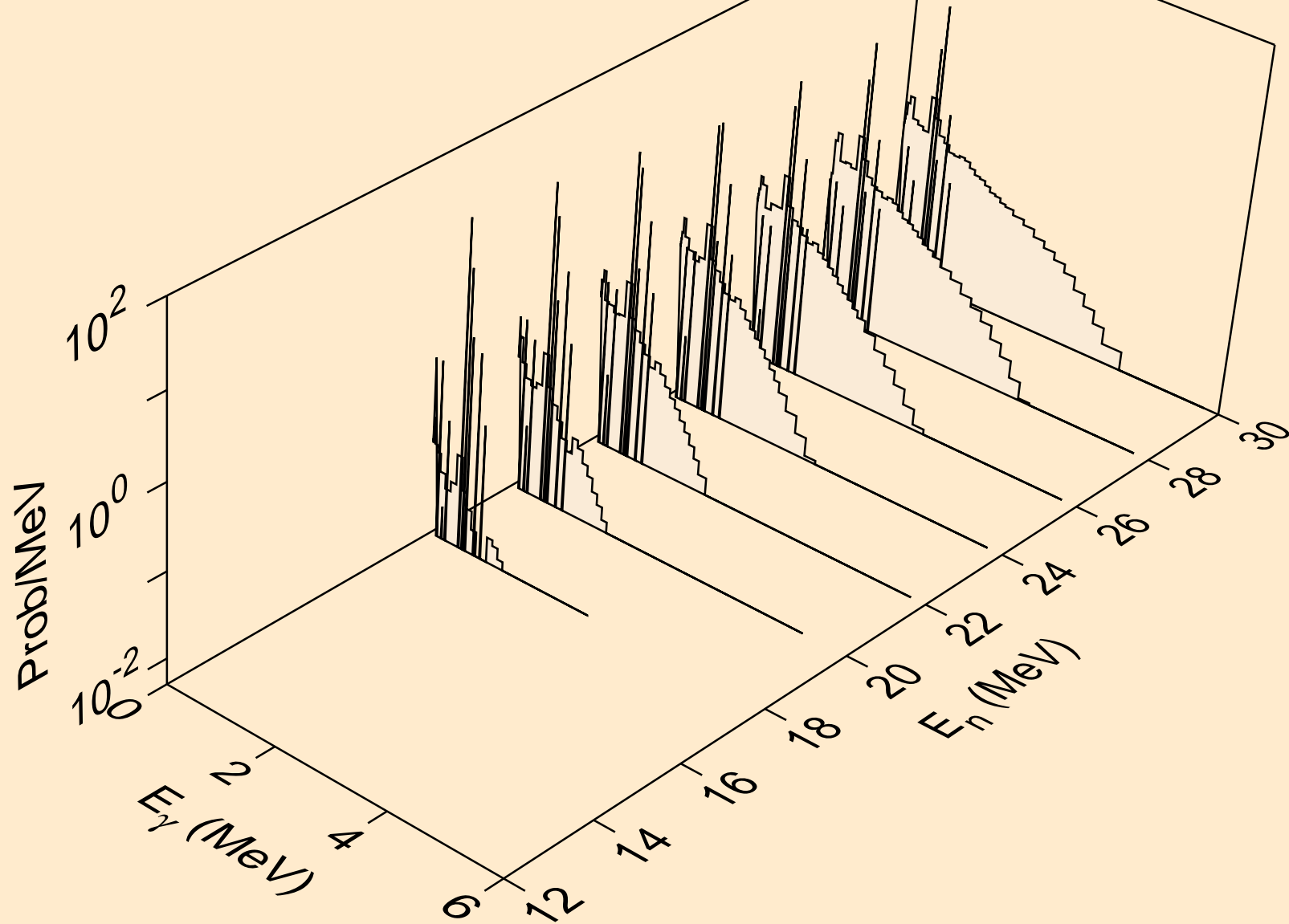
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Photon emission for (n,d)



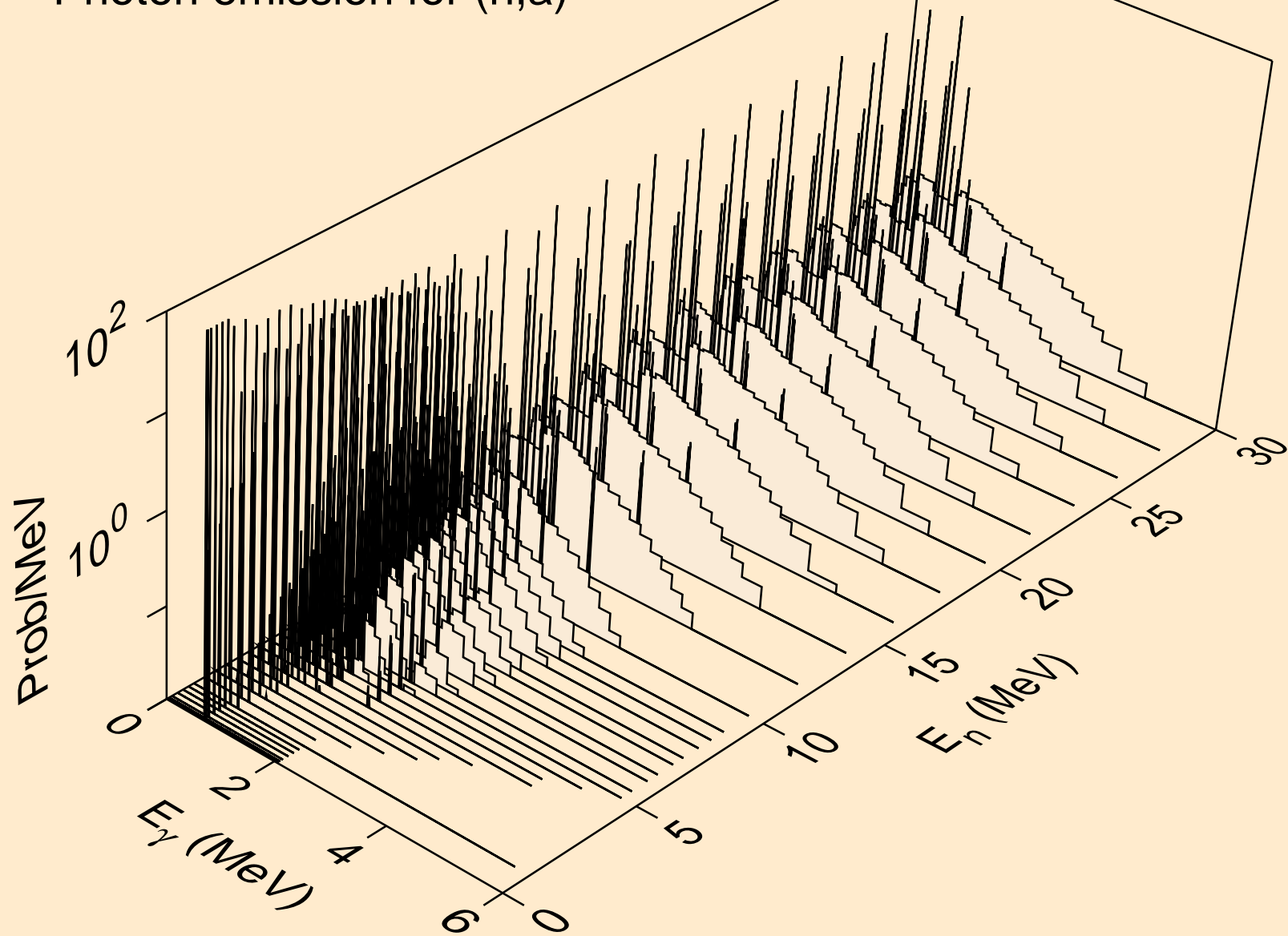
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Photon emission for (n,t)



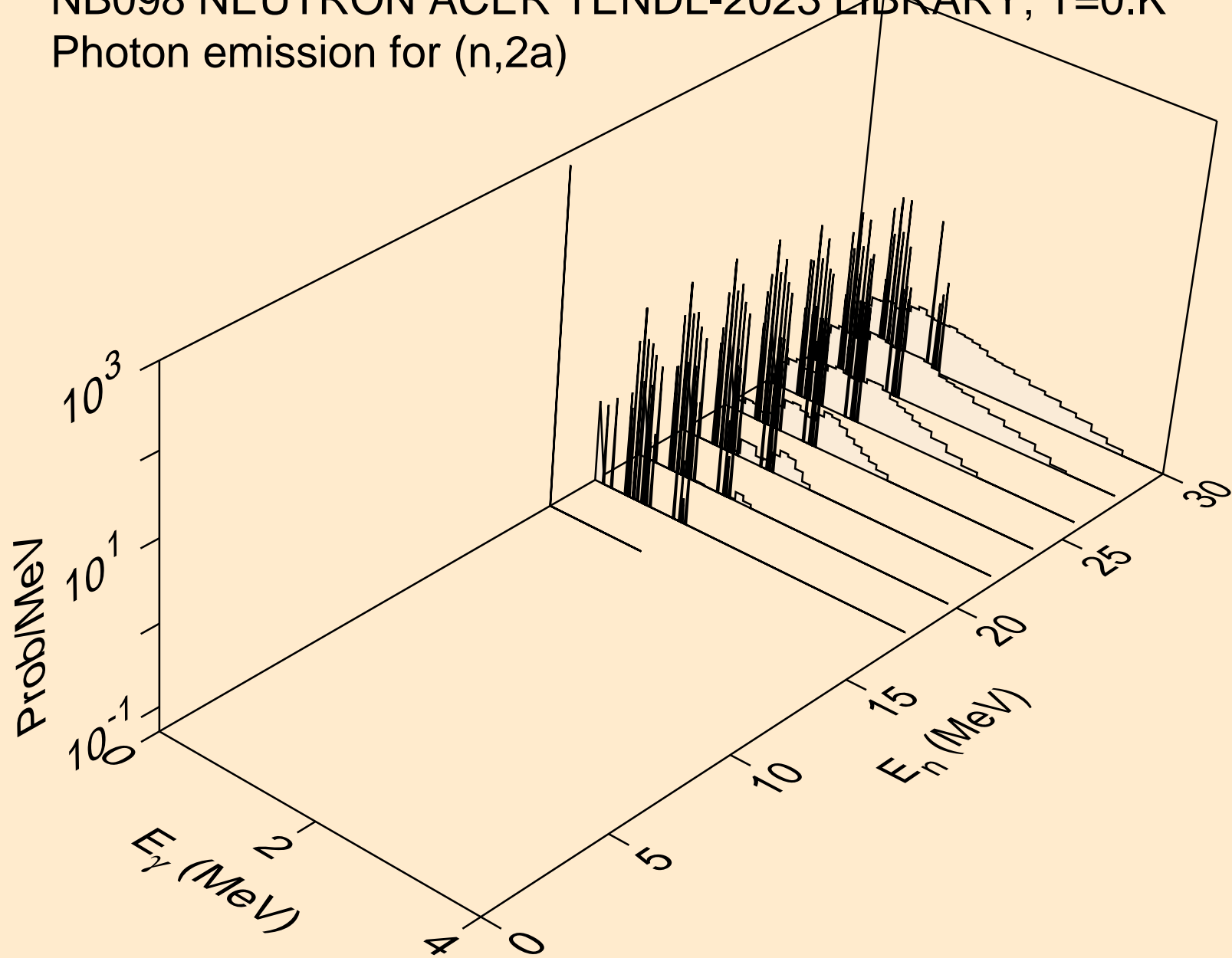
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Photon emission for (n,he3)



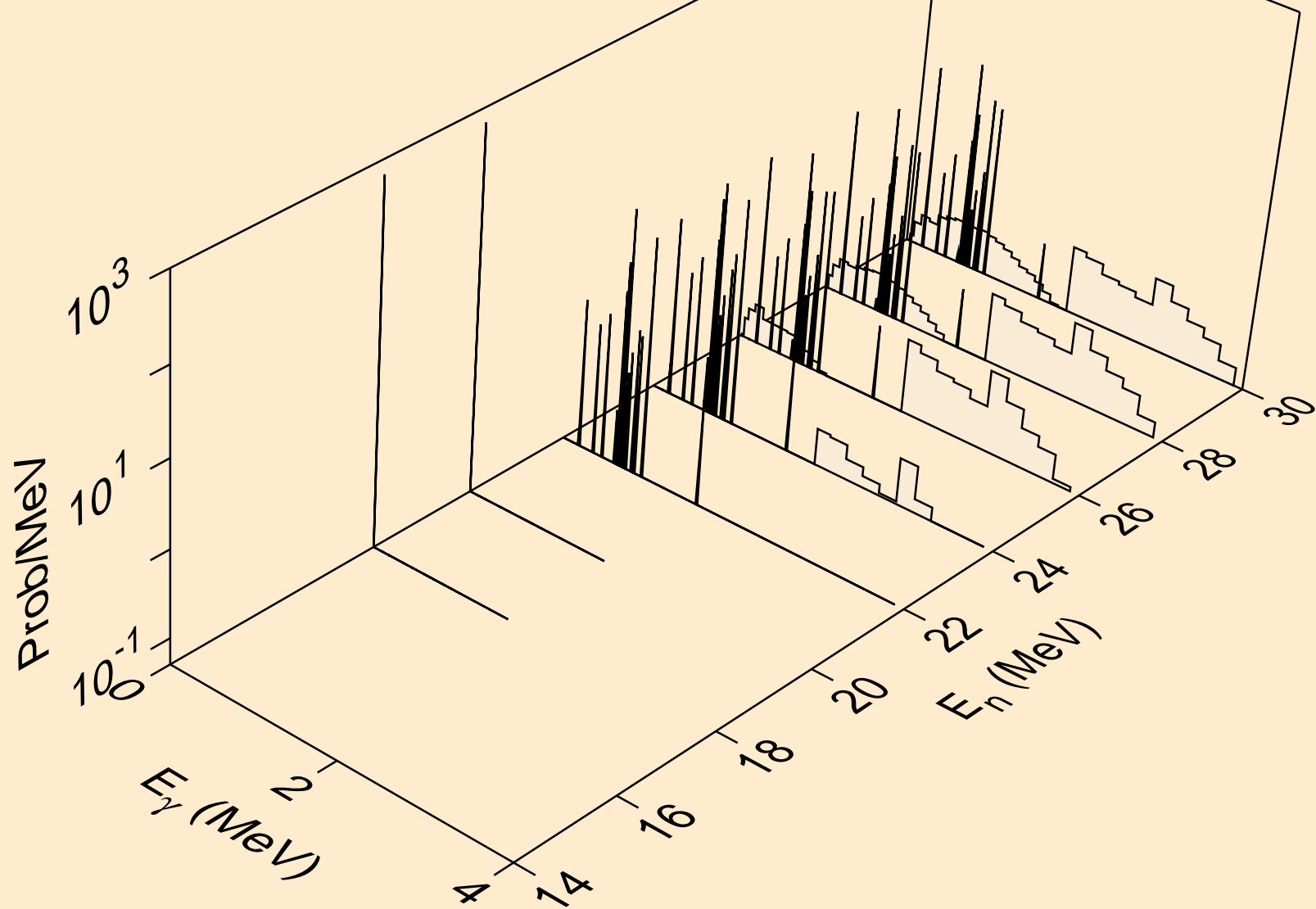
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Photon emission for (n,a)



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Photon emission for (n,2a)

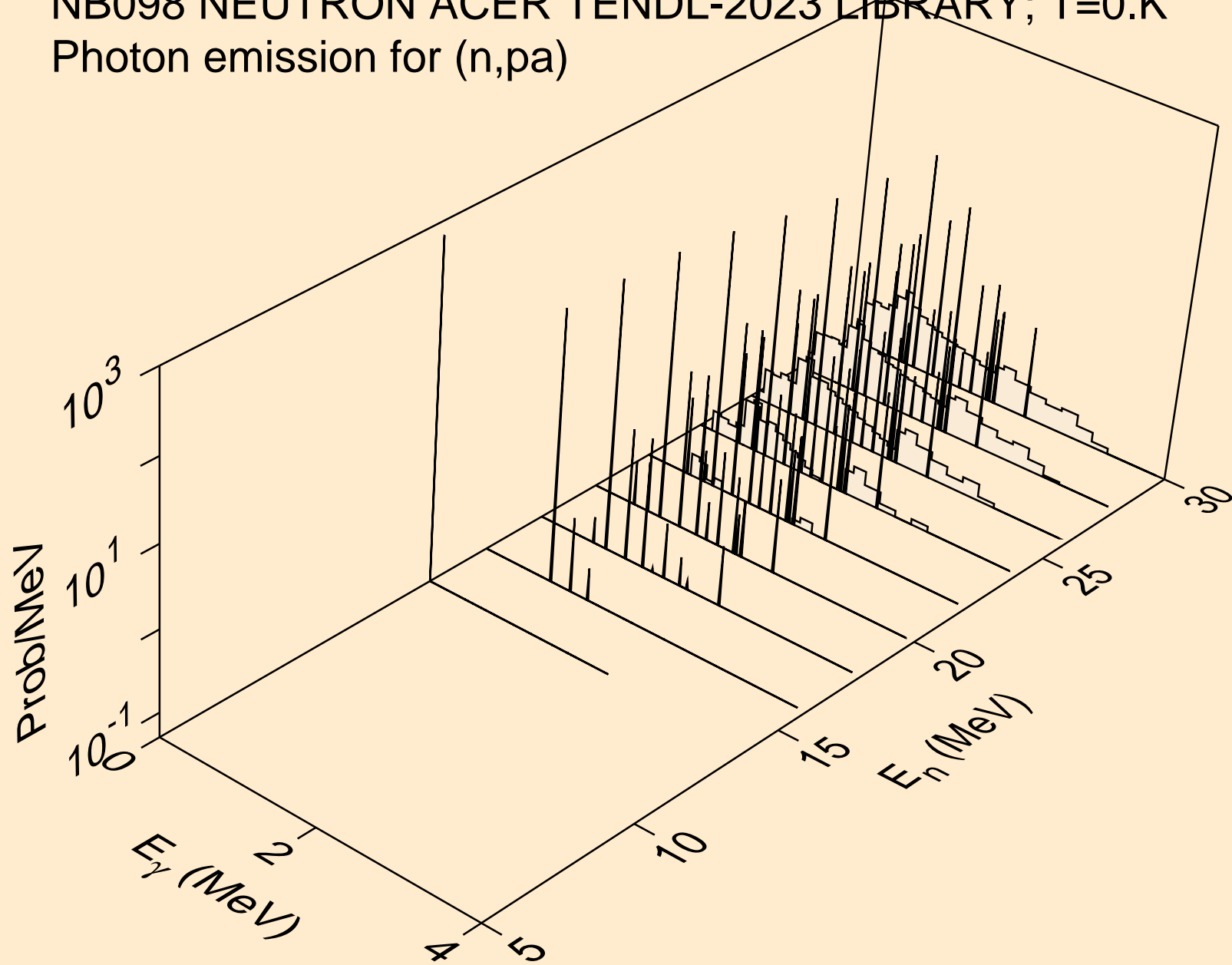


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Photon emission for (n,2p)

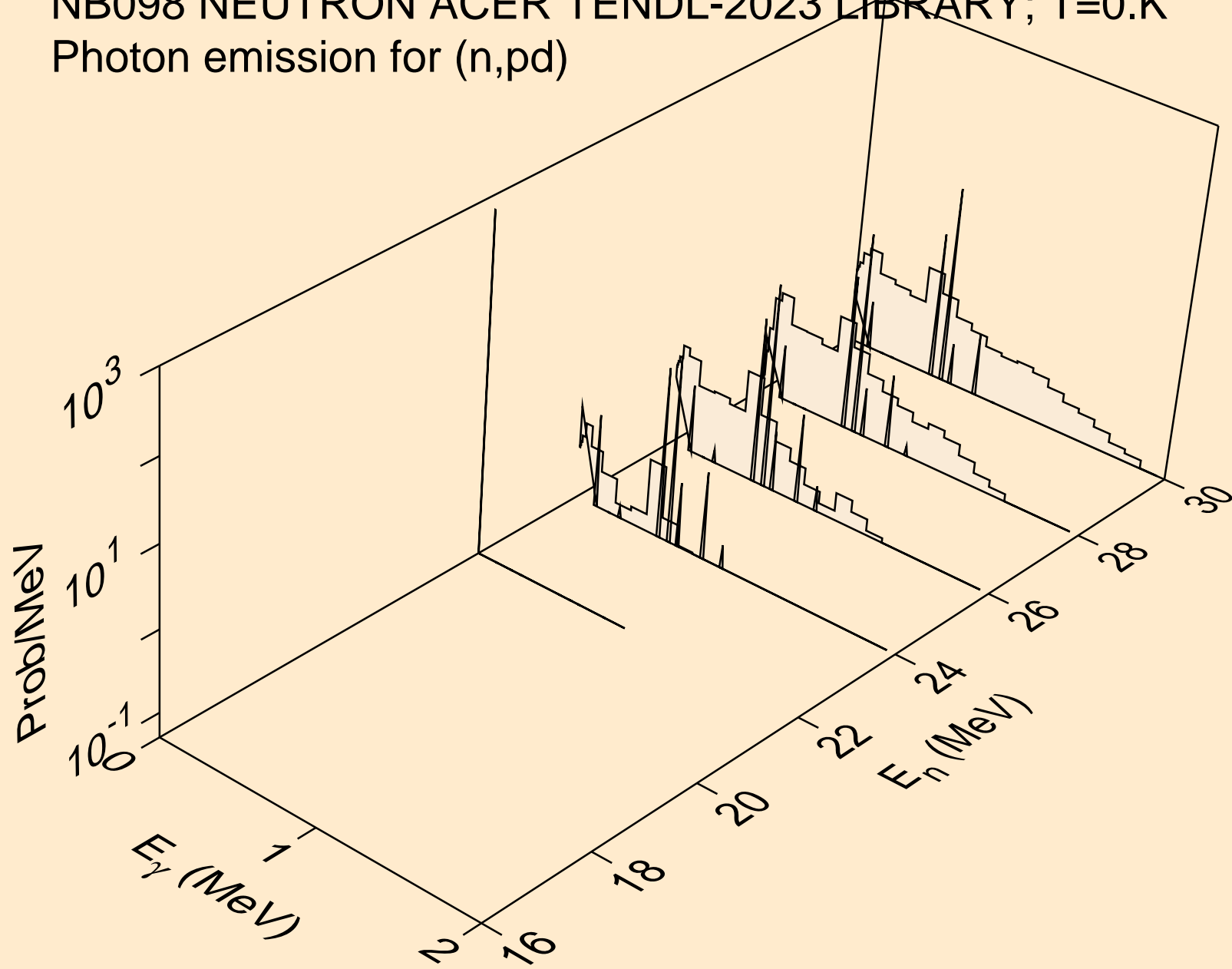




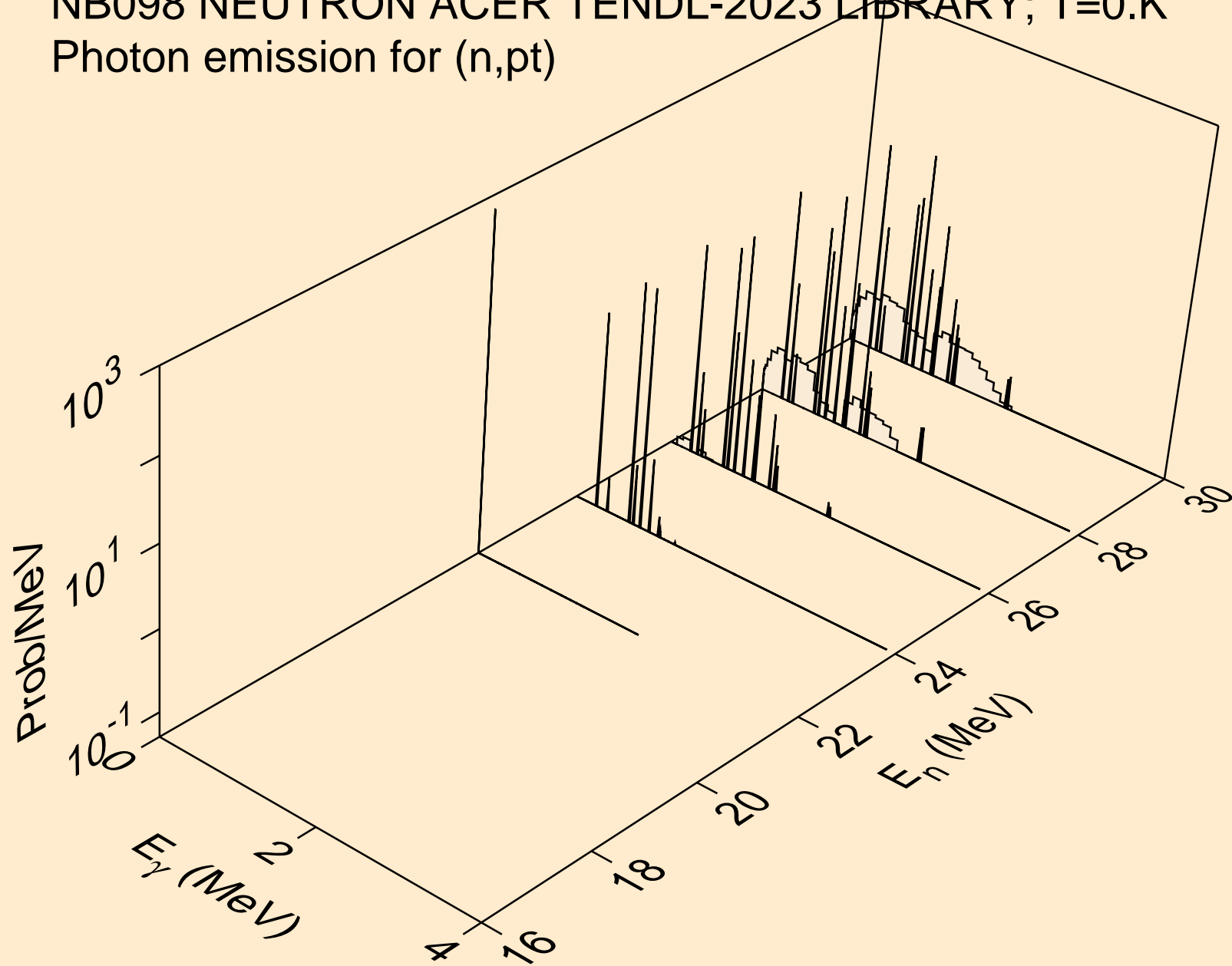
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Photon emission for (n,p)



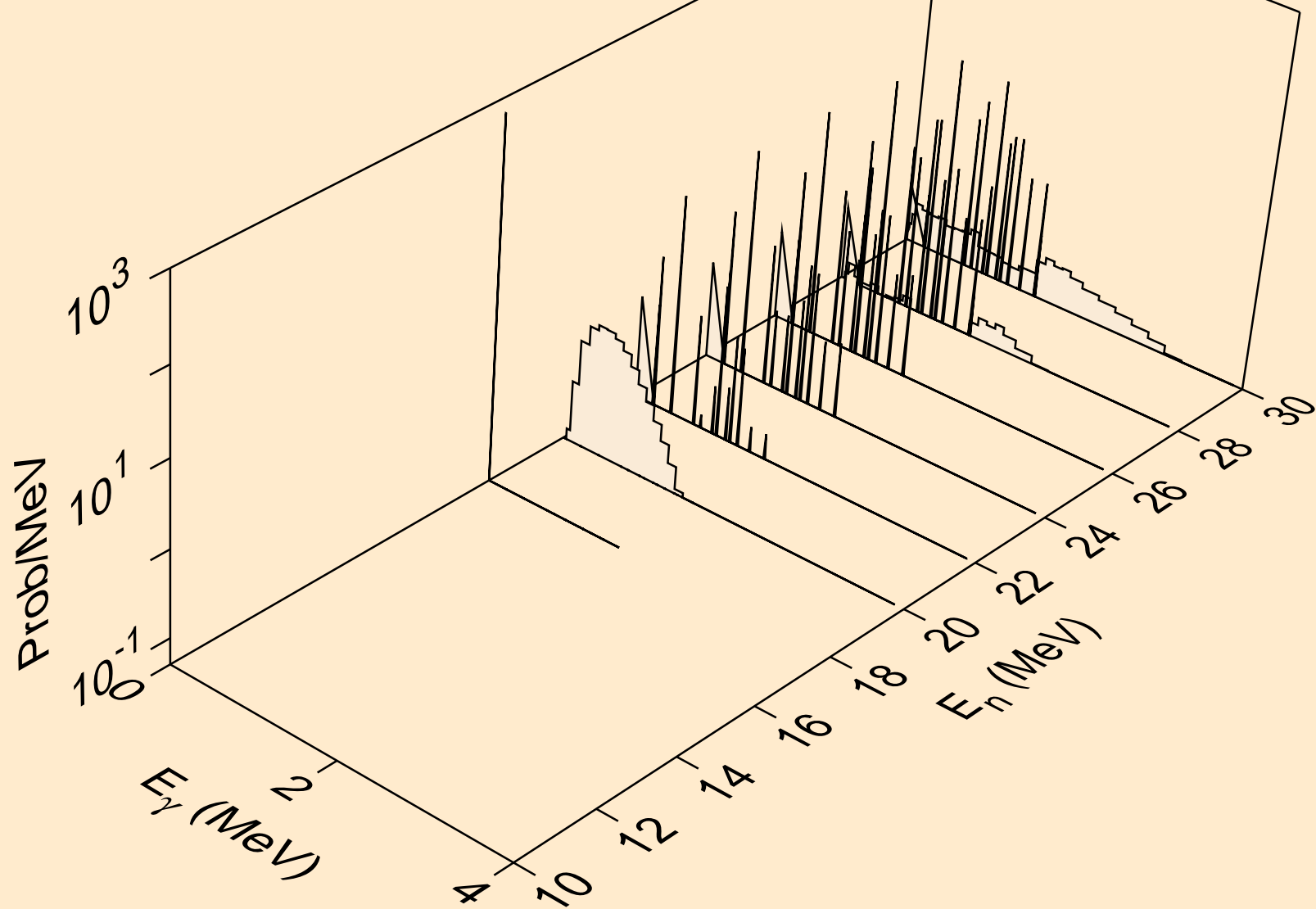
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Photon emission for (n,pd)



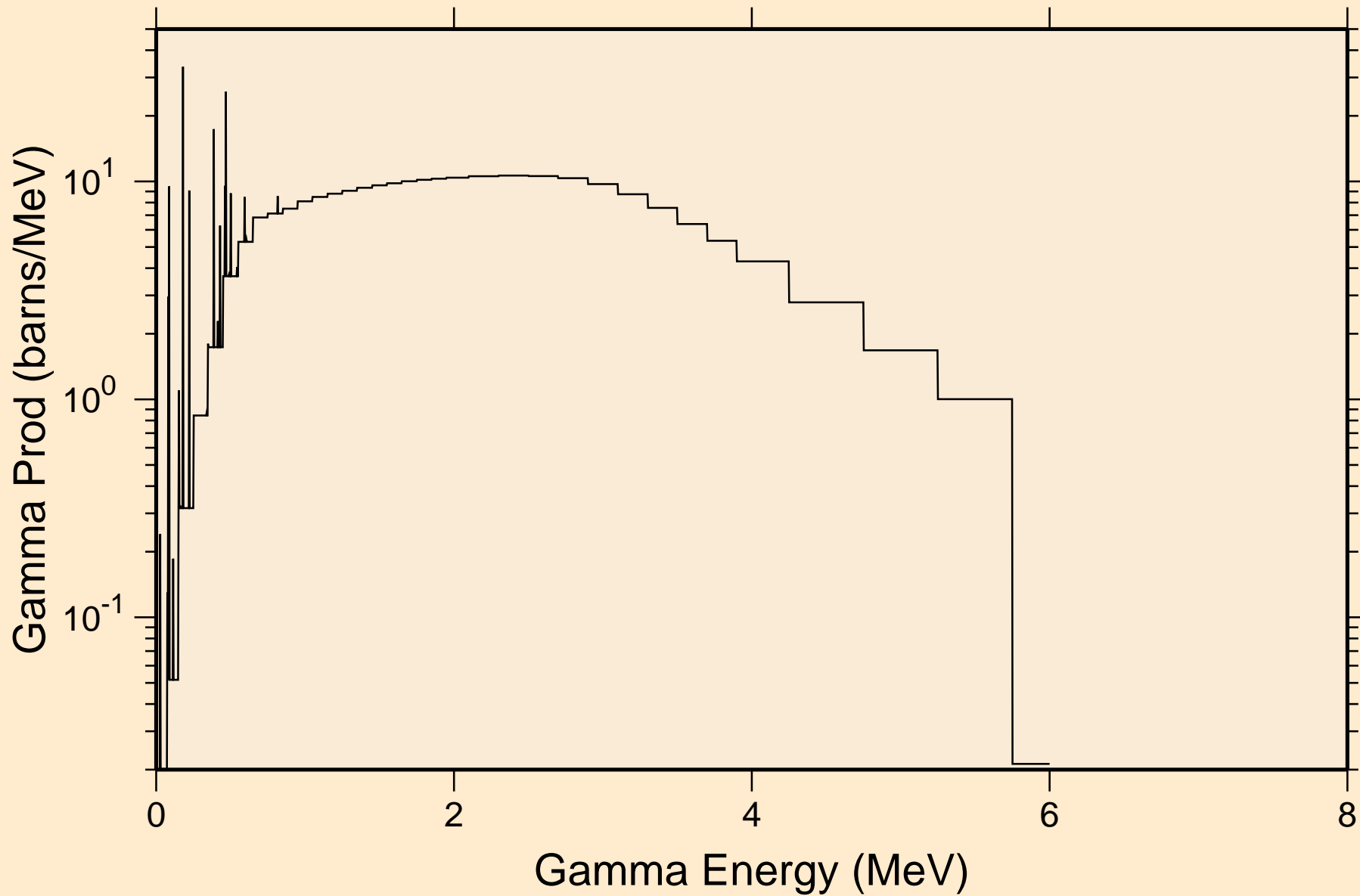
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Photon emission for (n,pt)



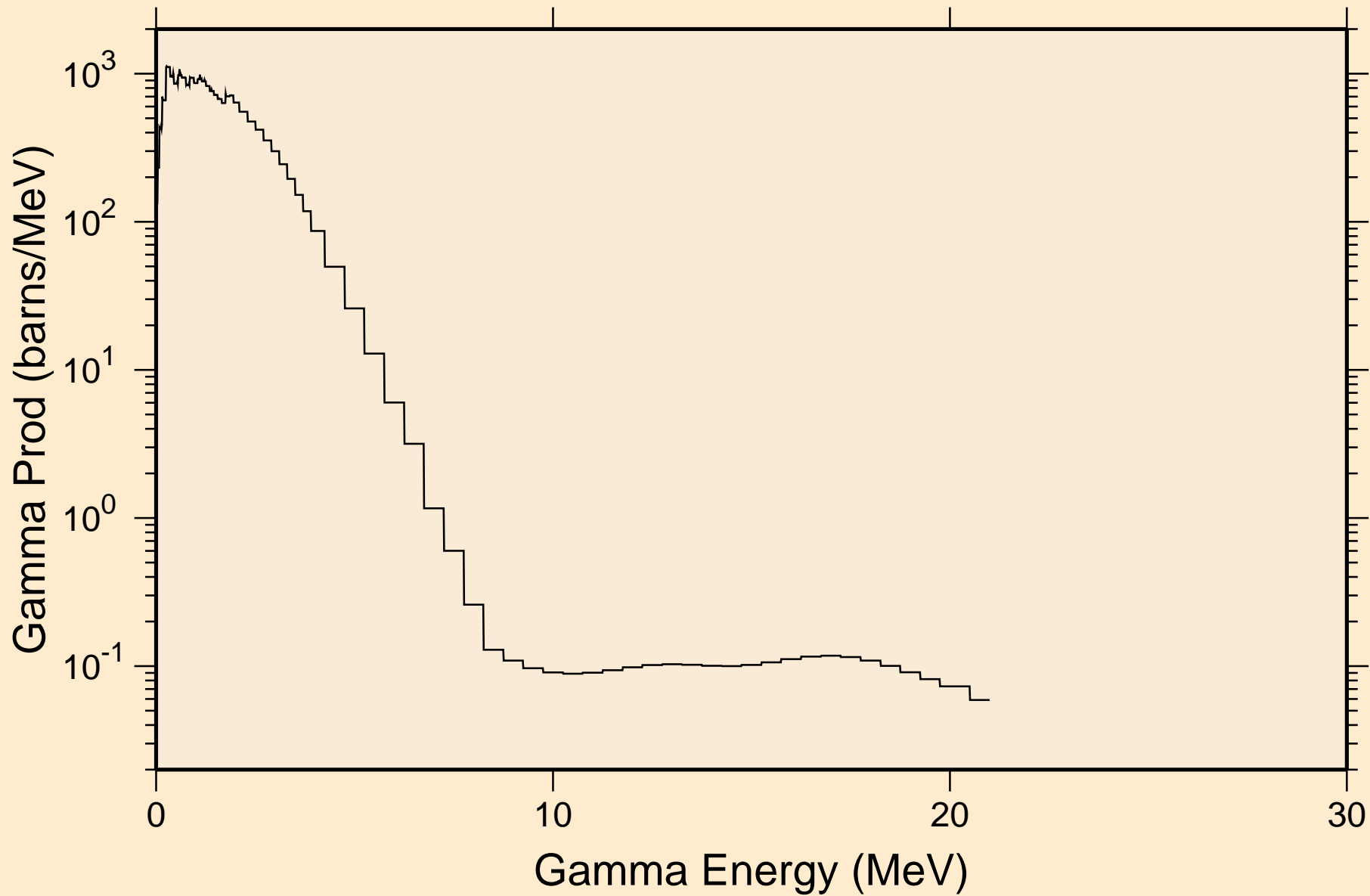
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Photon emission for (n,da)



NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

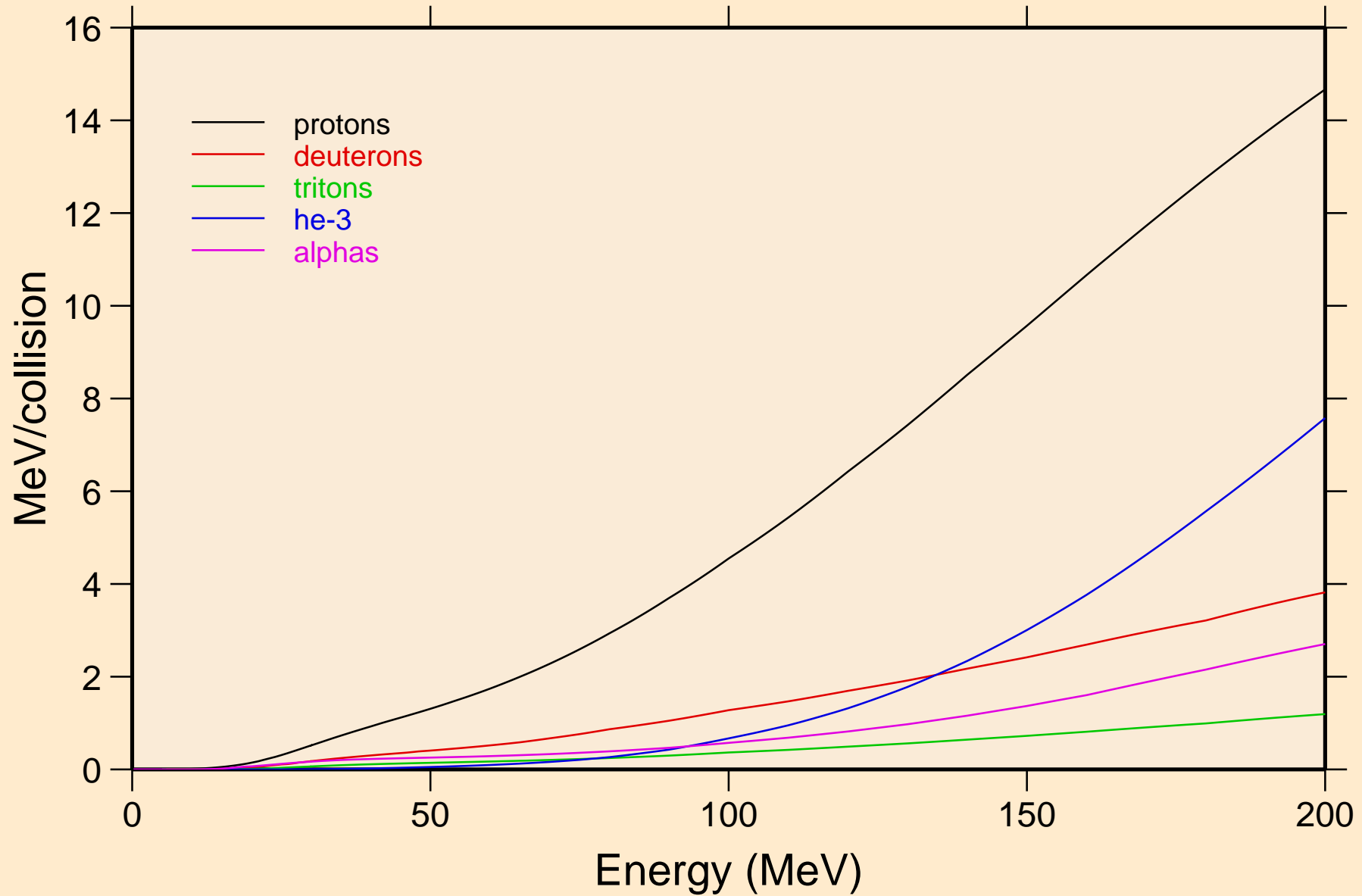


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14 MeV photon spectrum

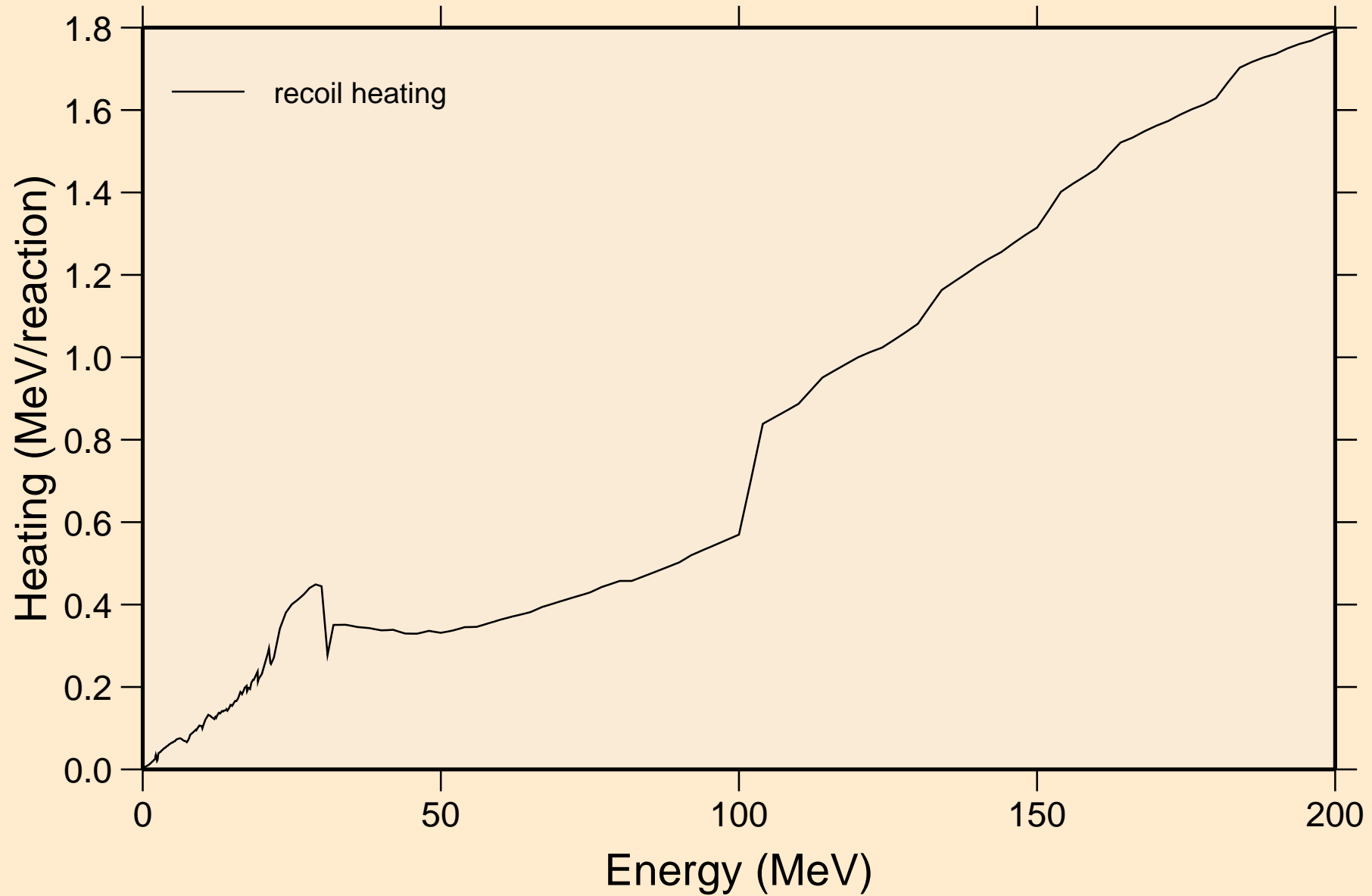


# NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

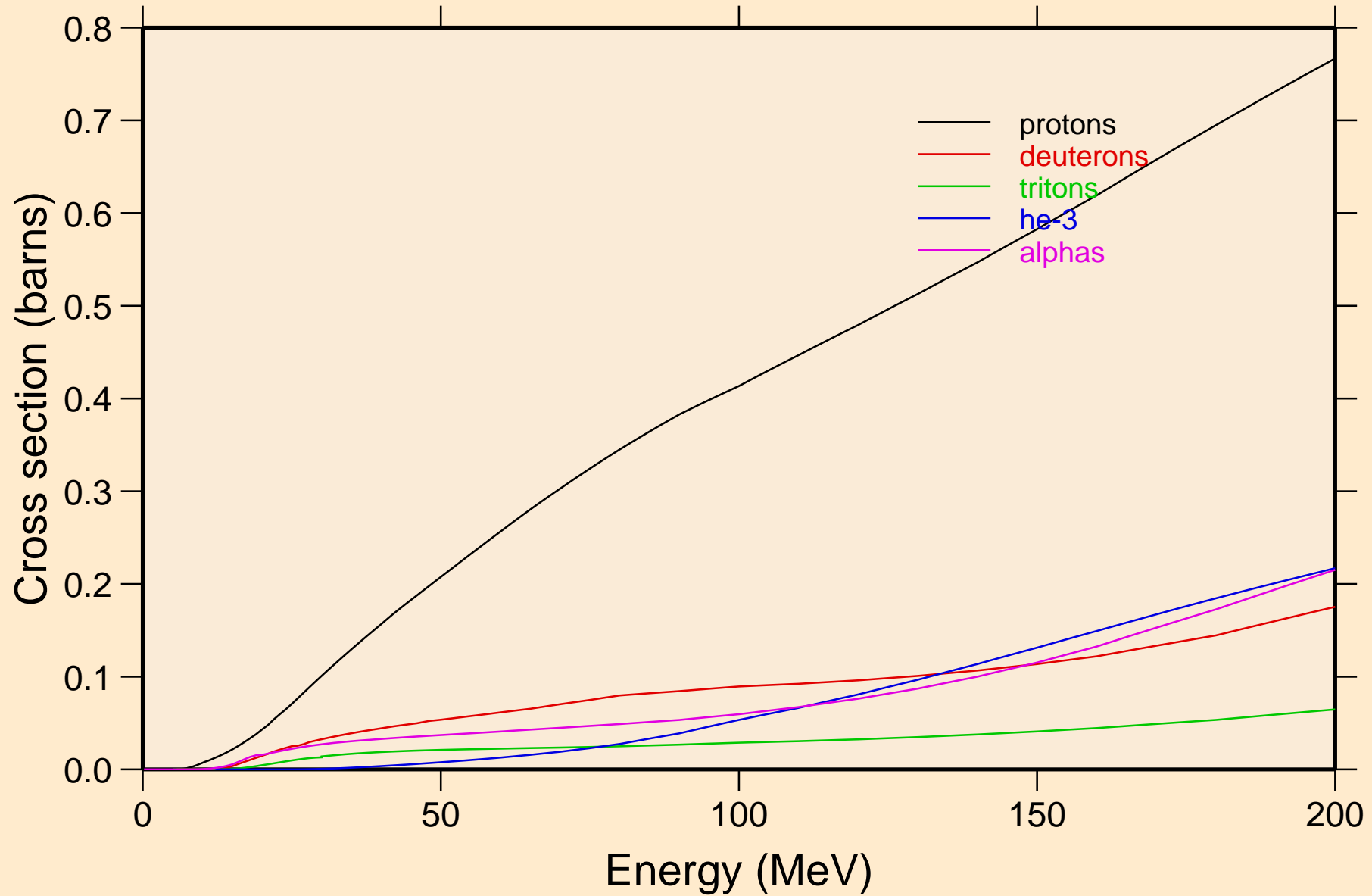


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Recoil Heating

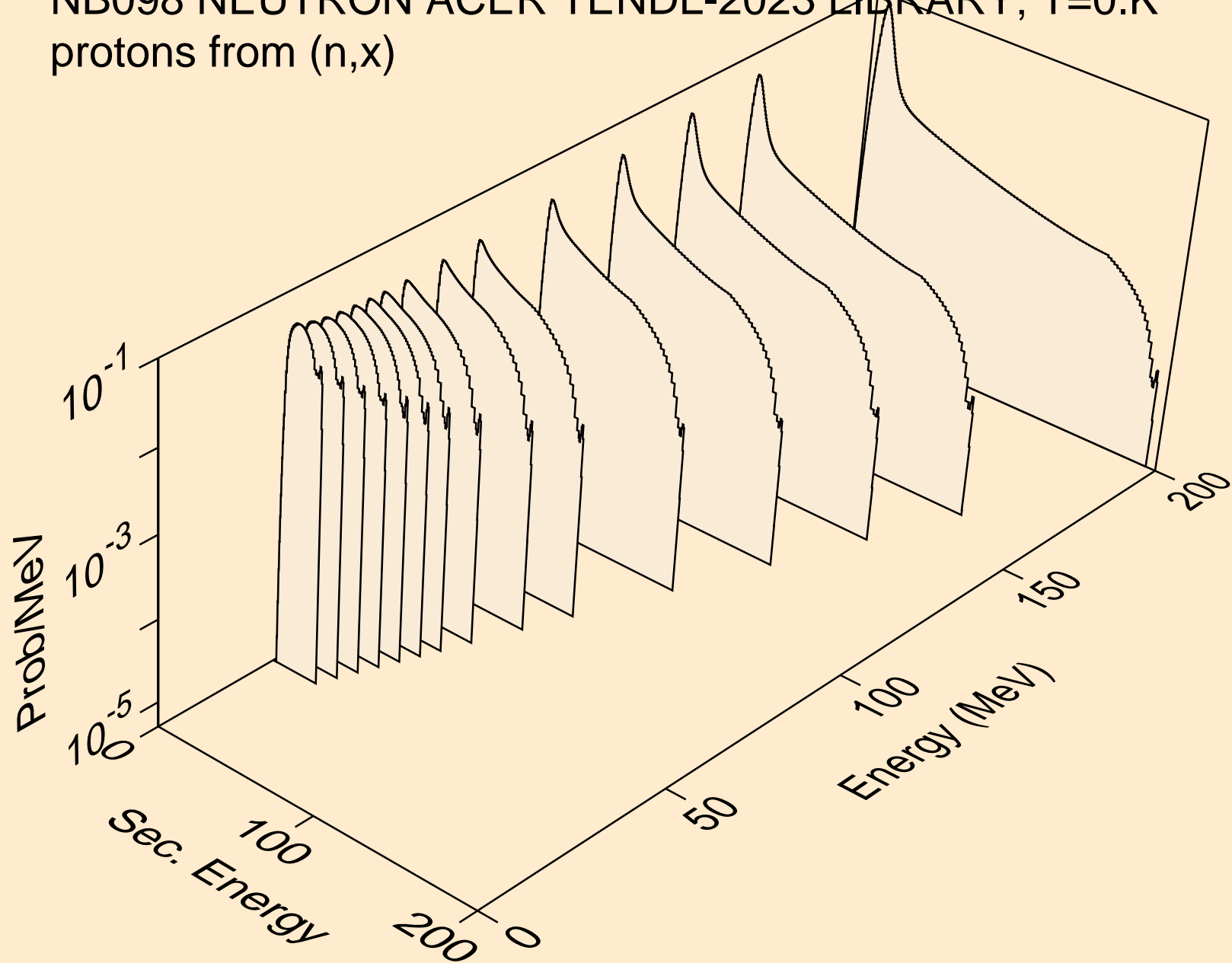




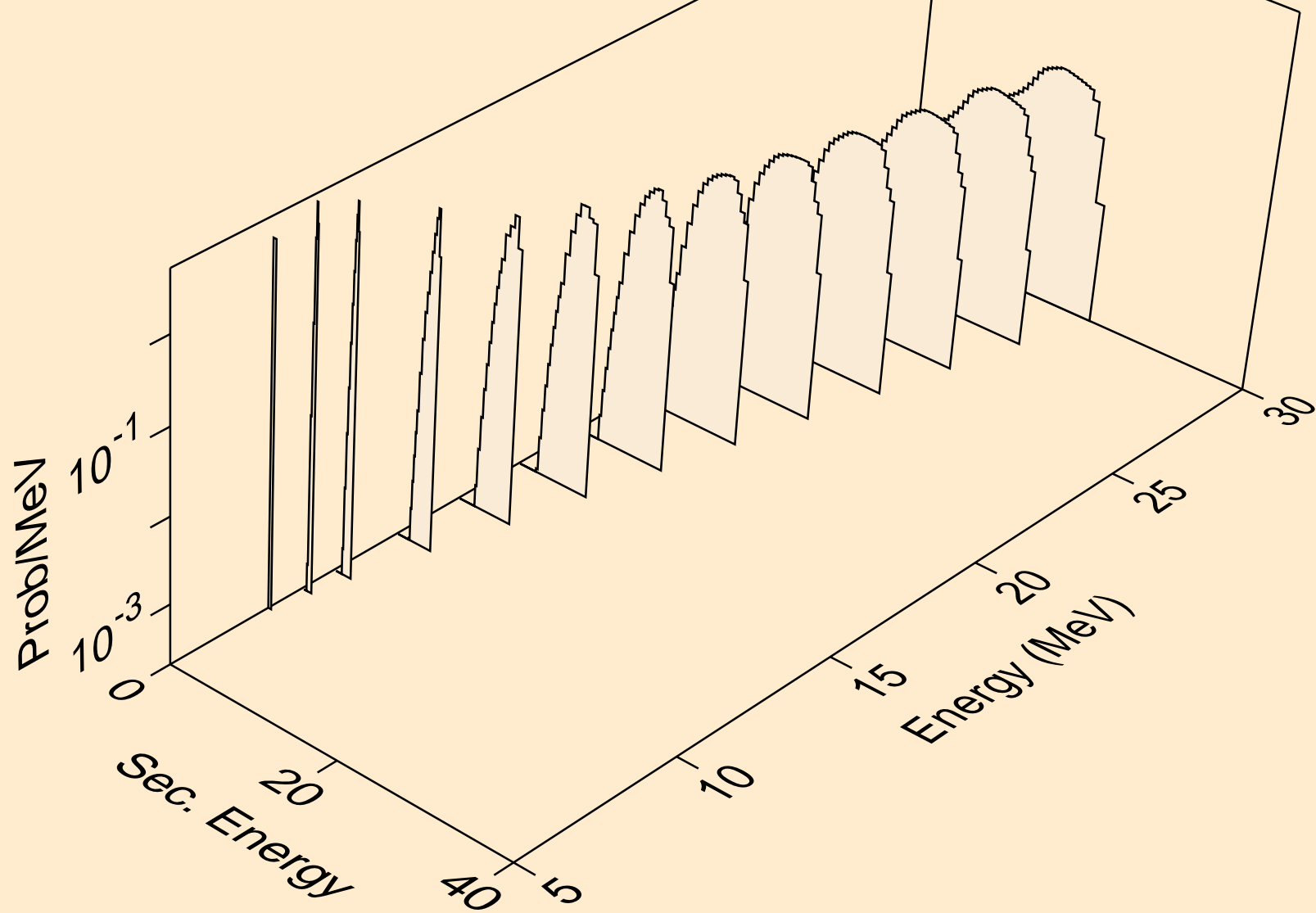
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Particle production cross sections



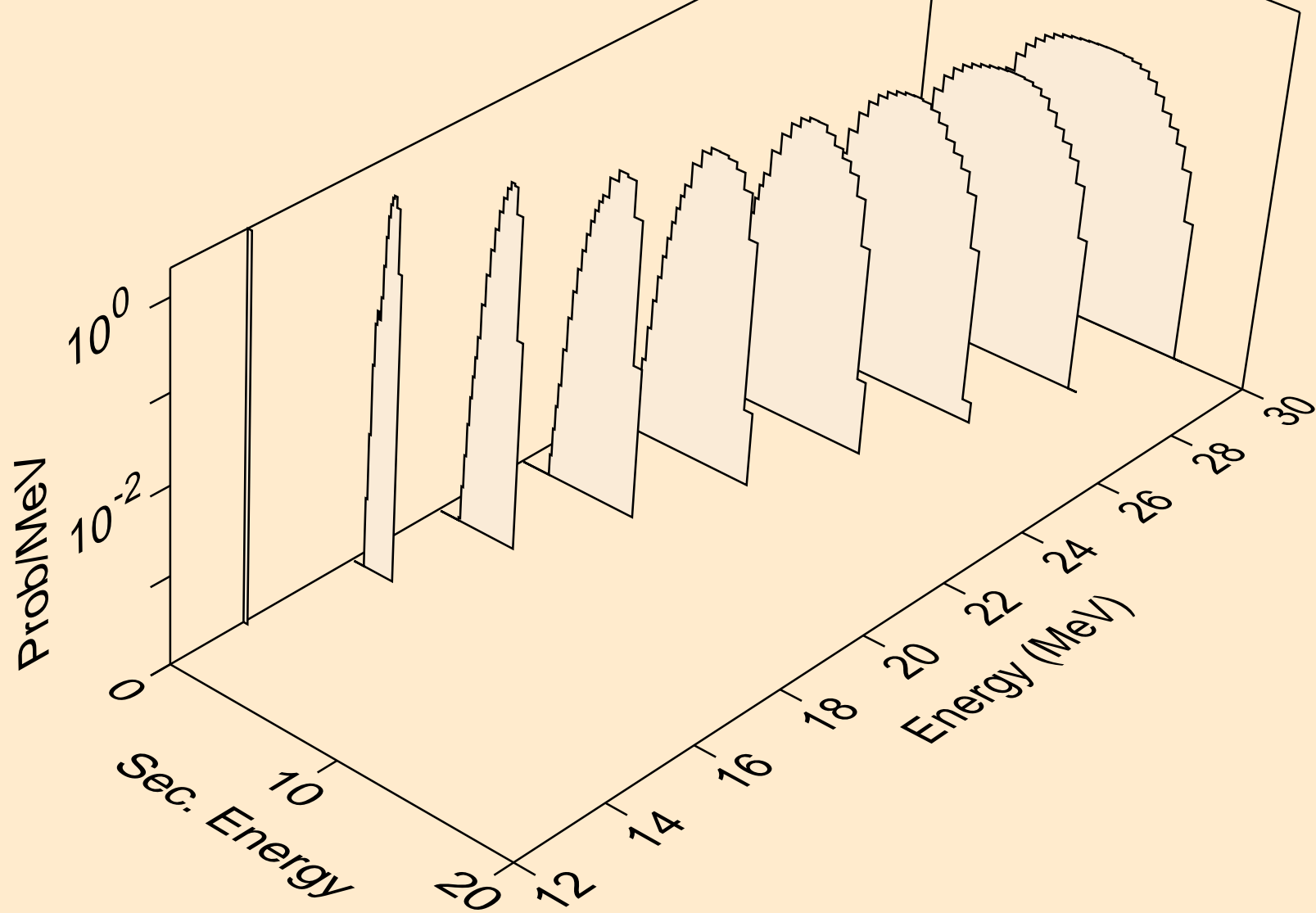
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protons from (n,x)



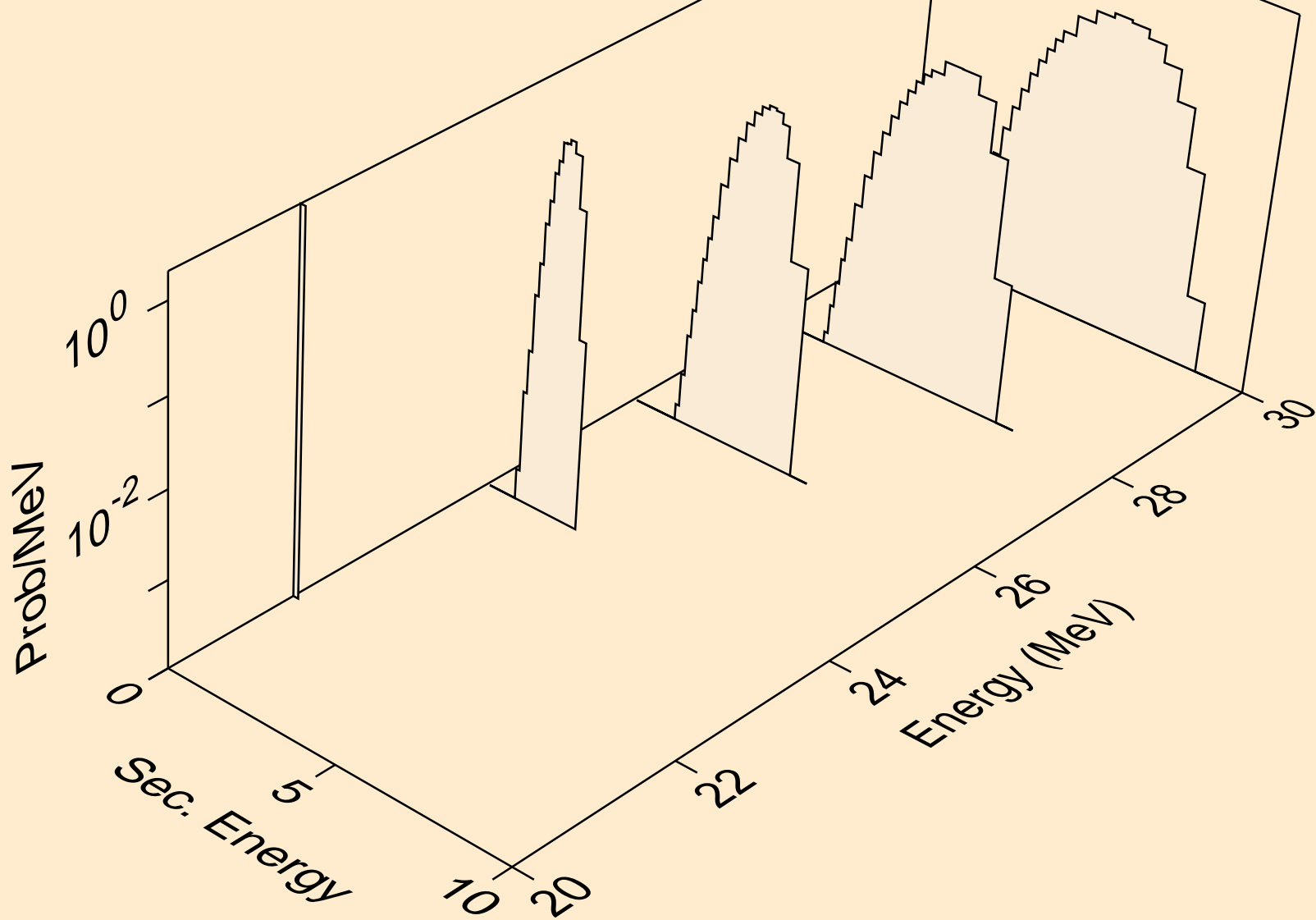
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protons from (n,n\*)p



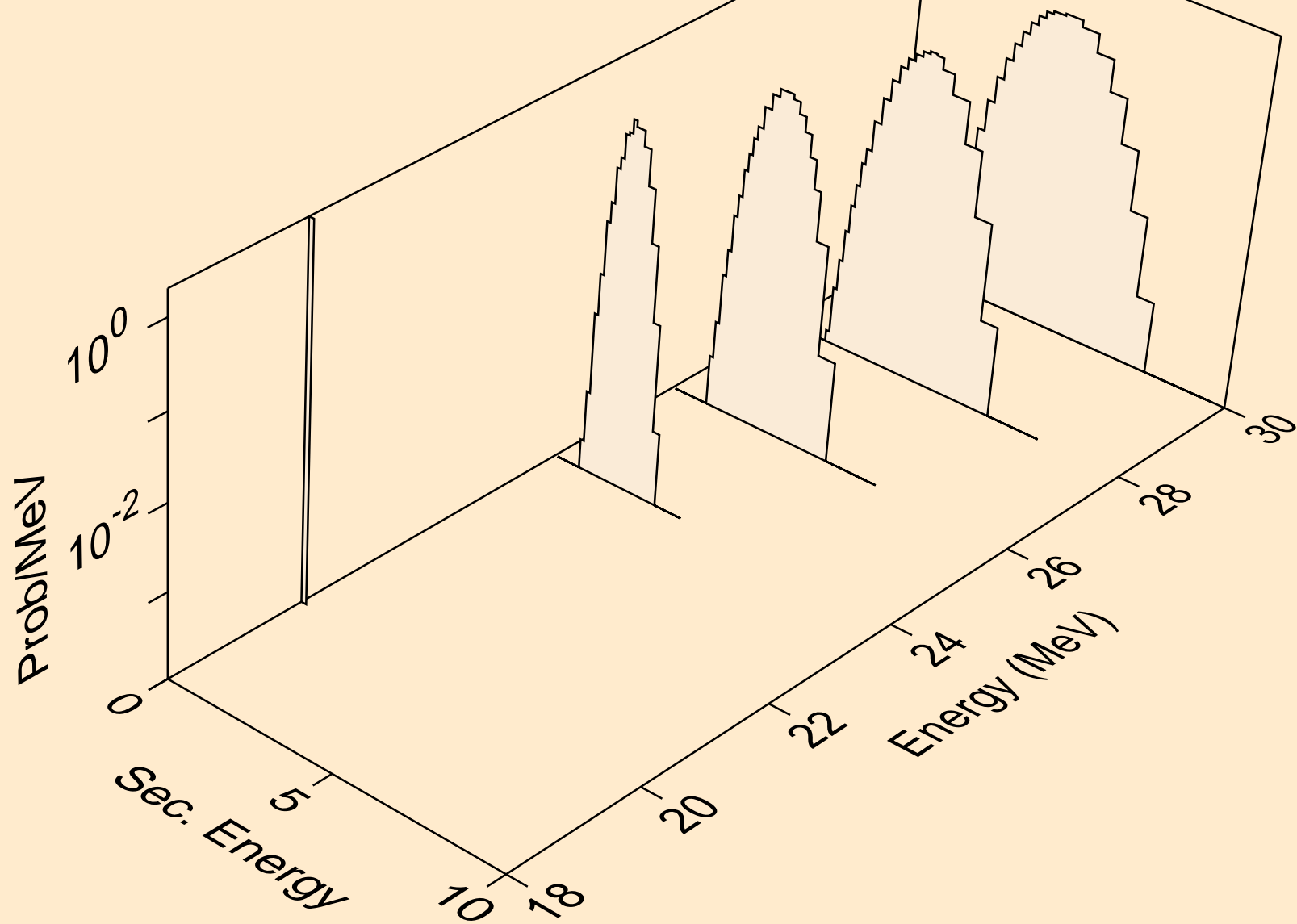
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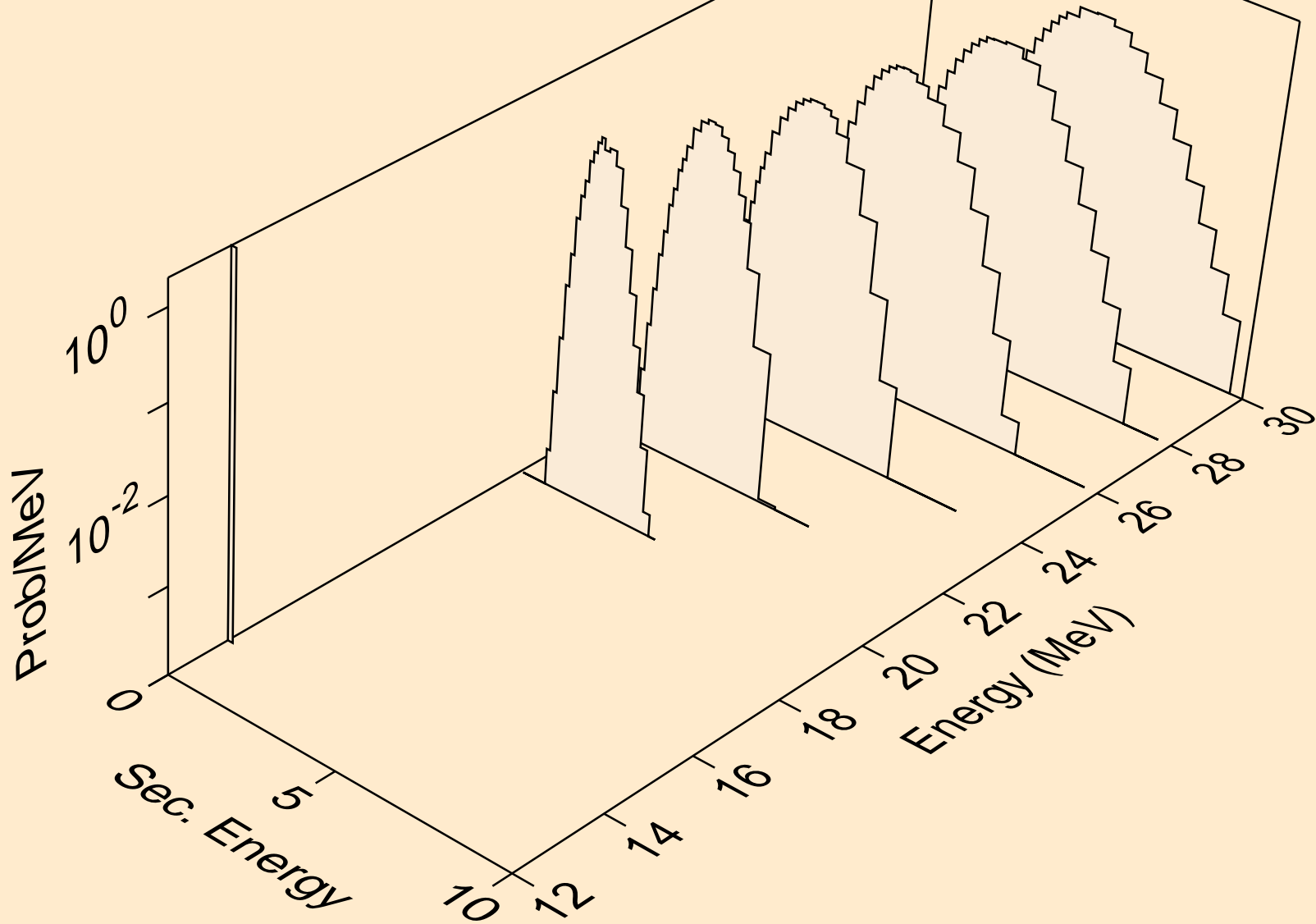
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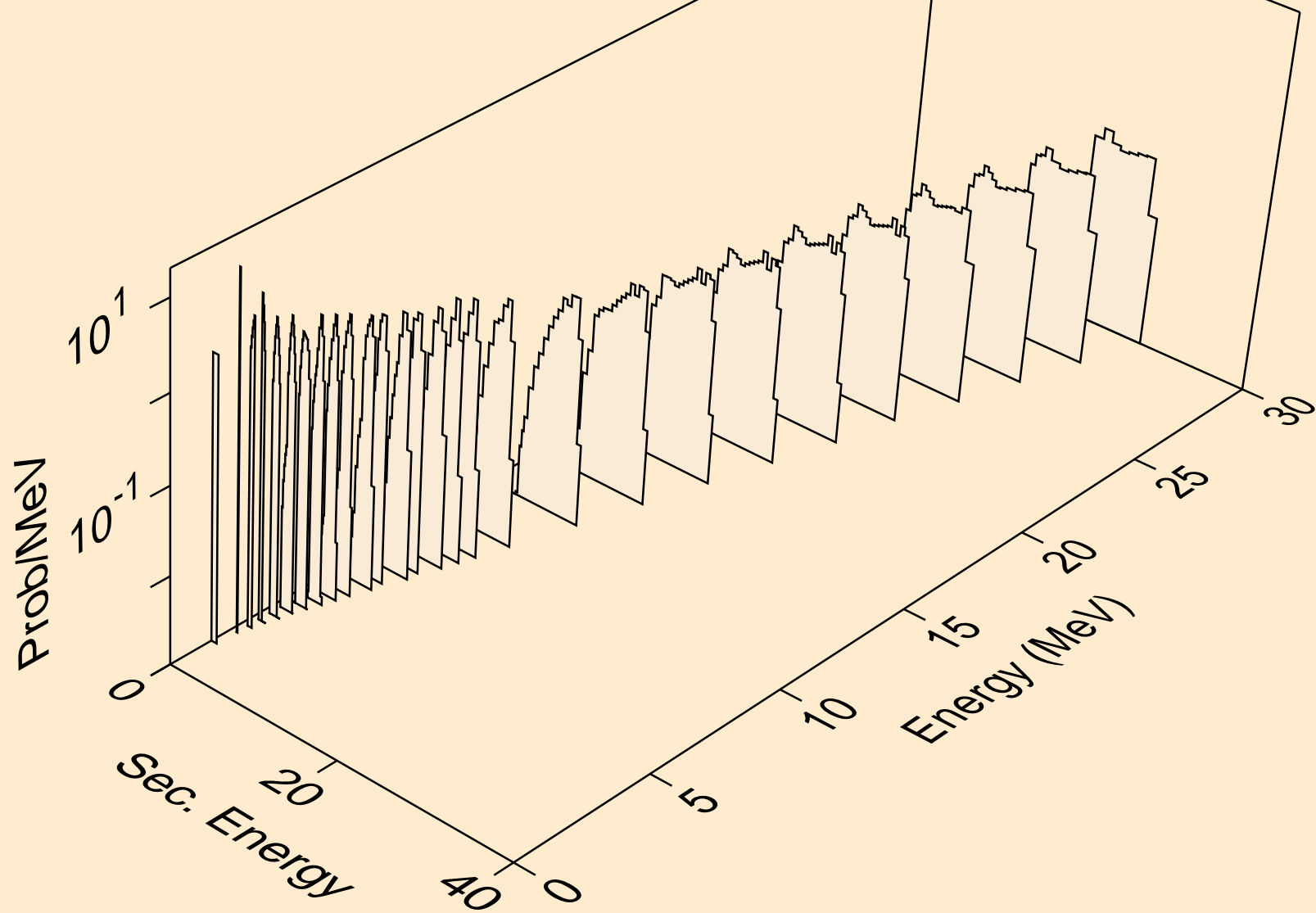
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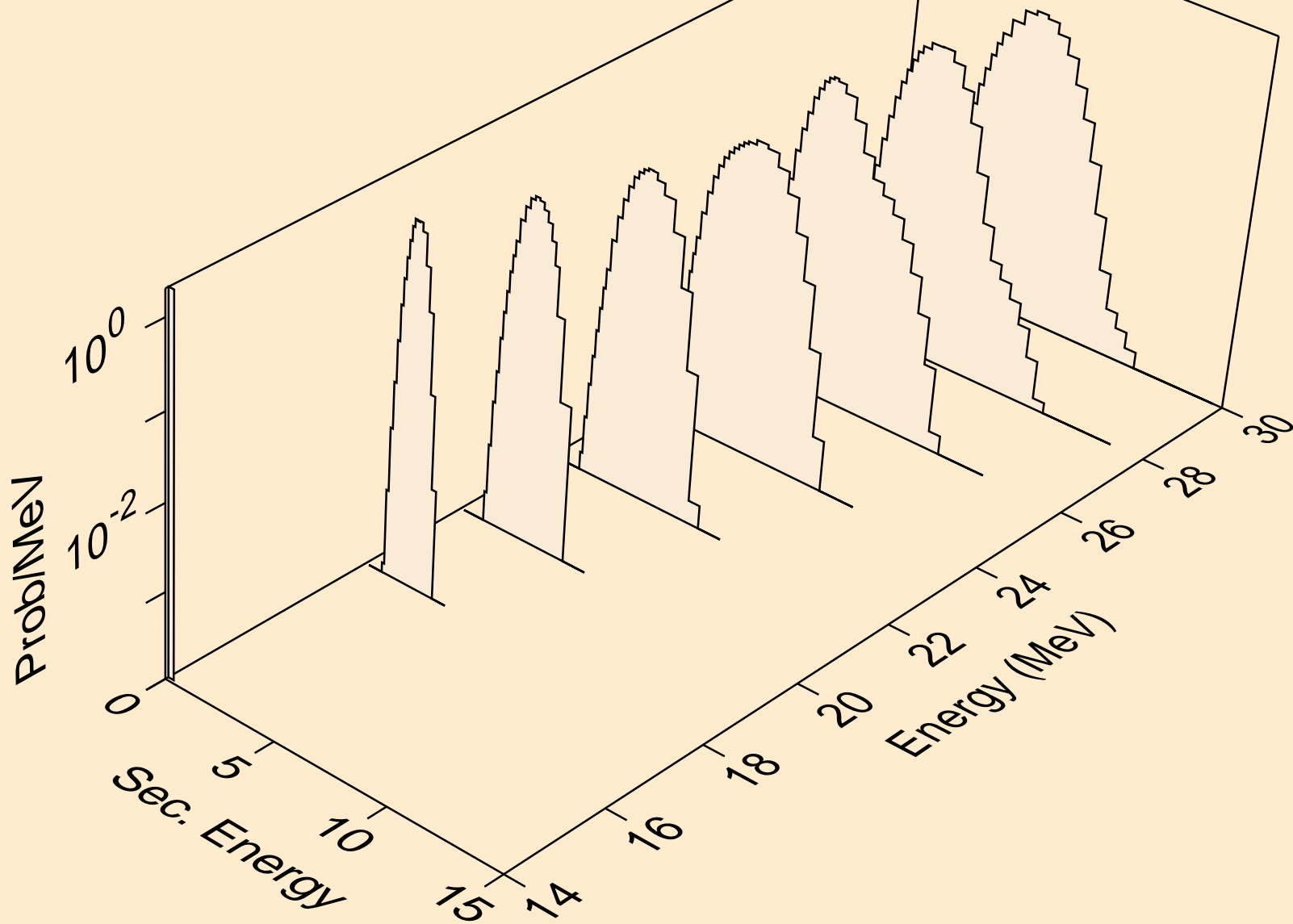


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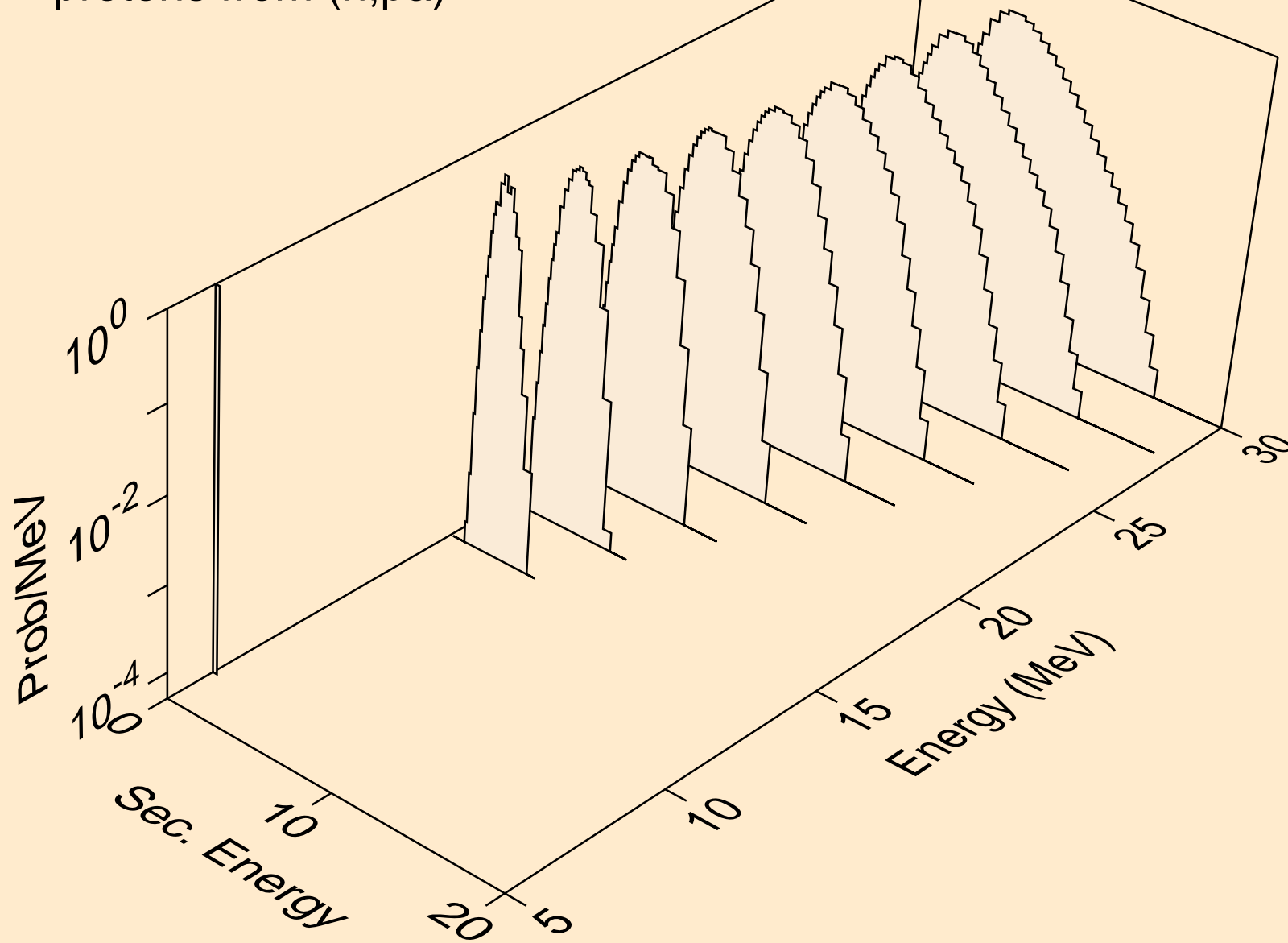




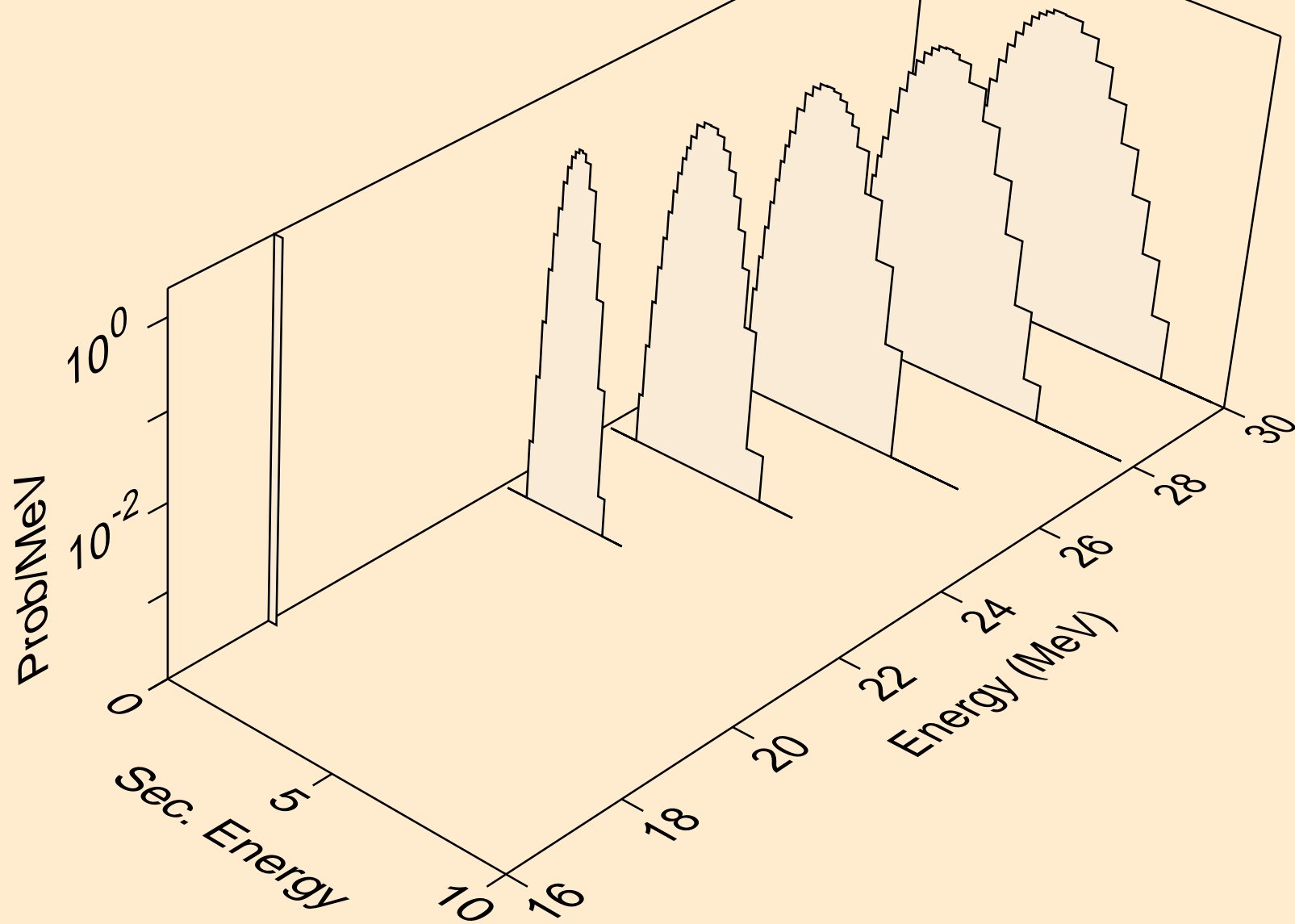
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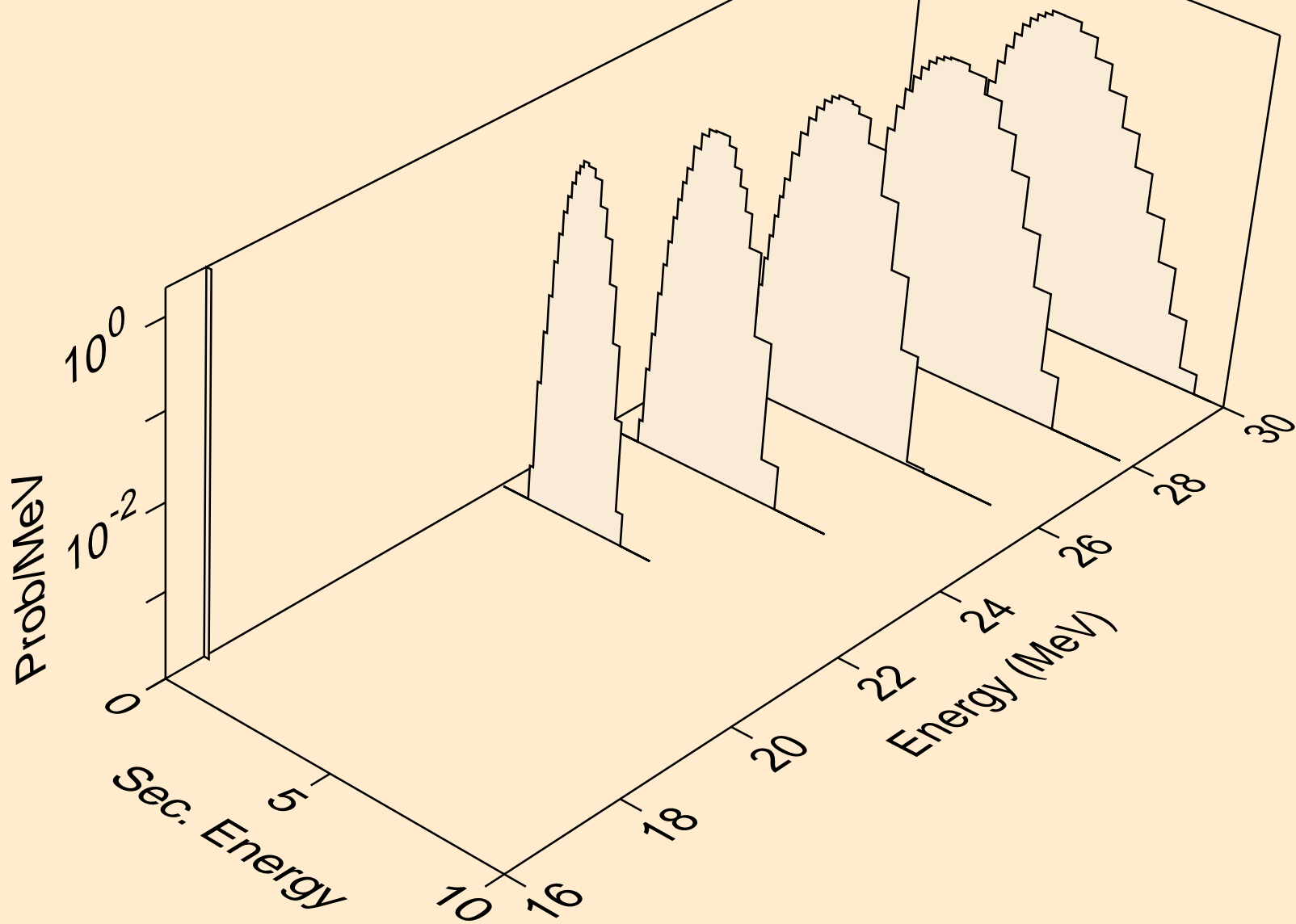
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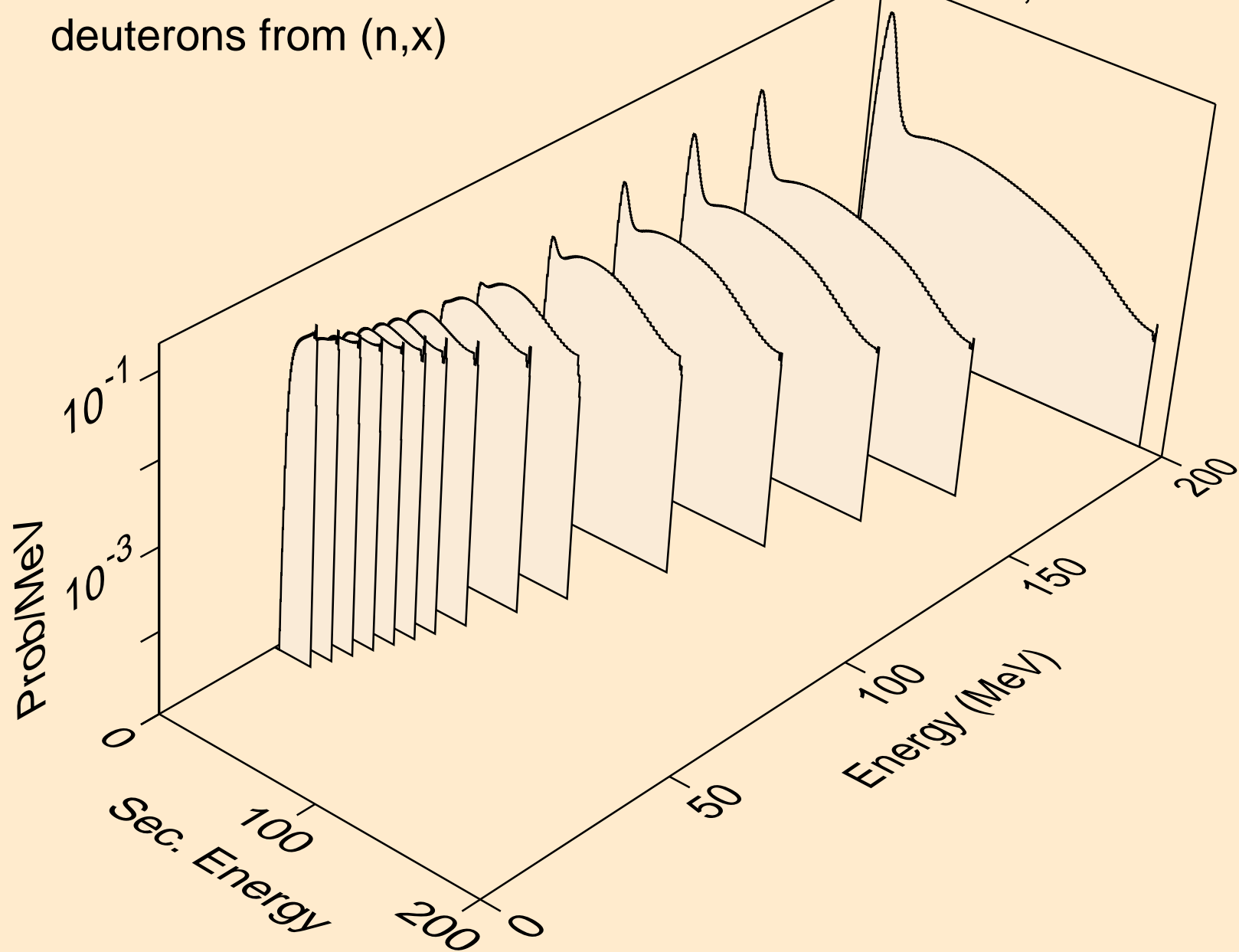
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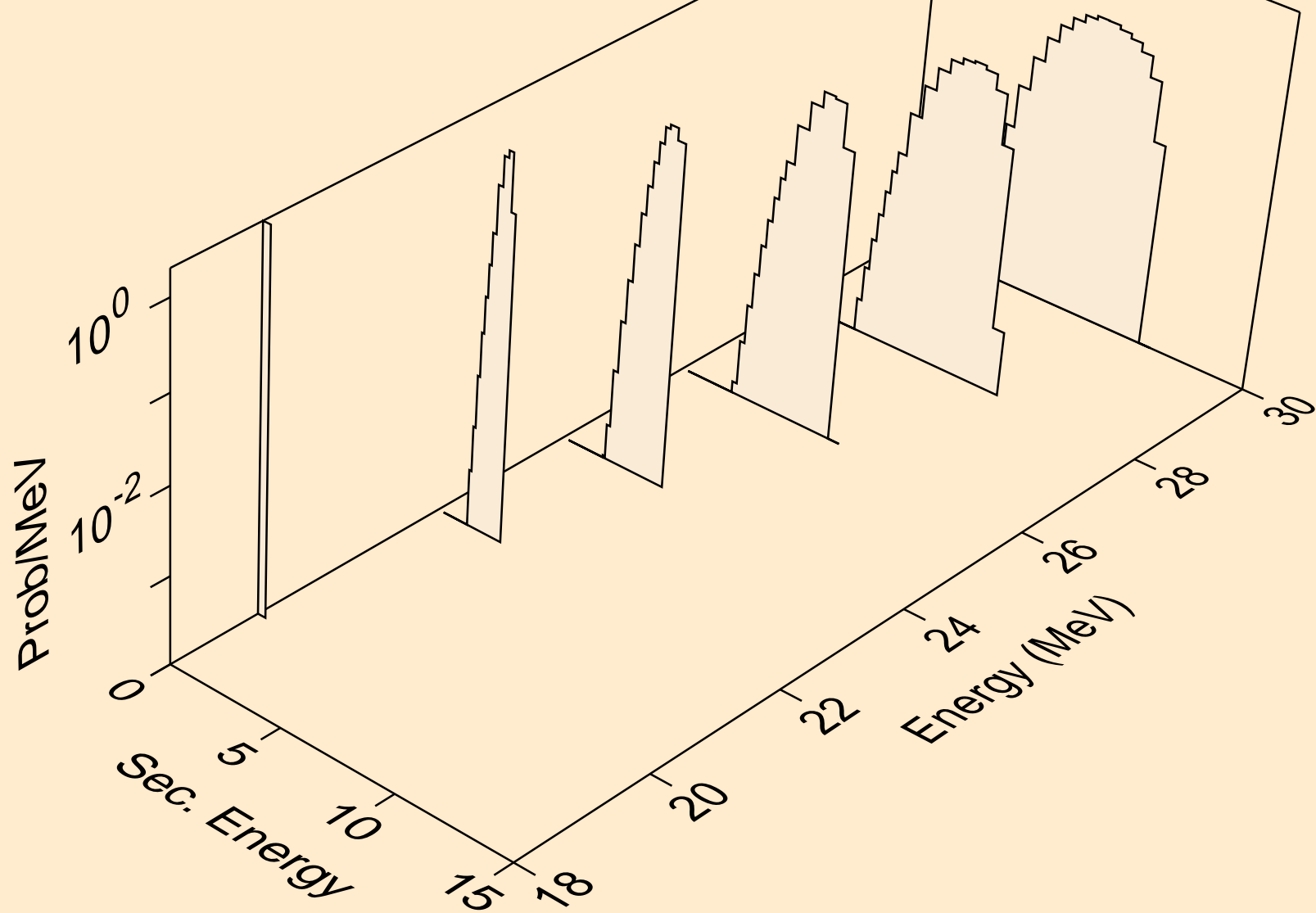
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protons from (n,pt)



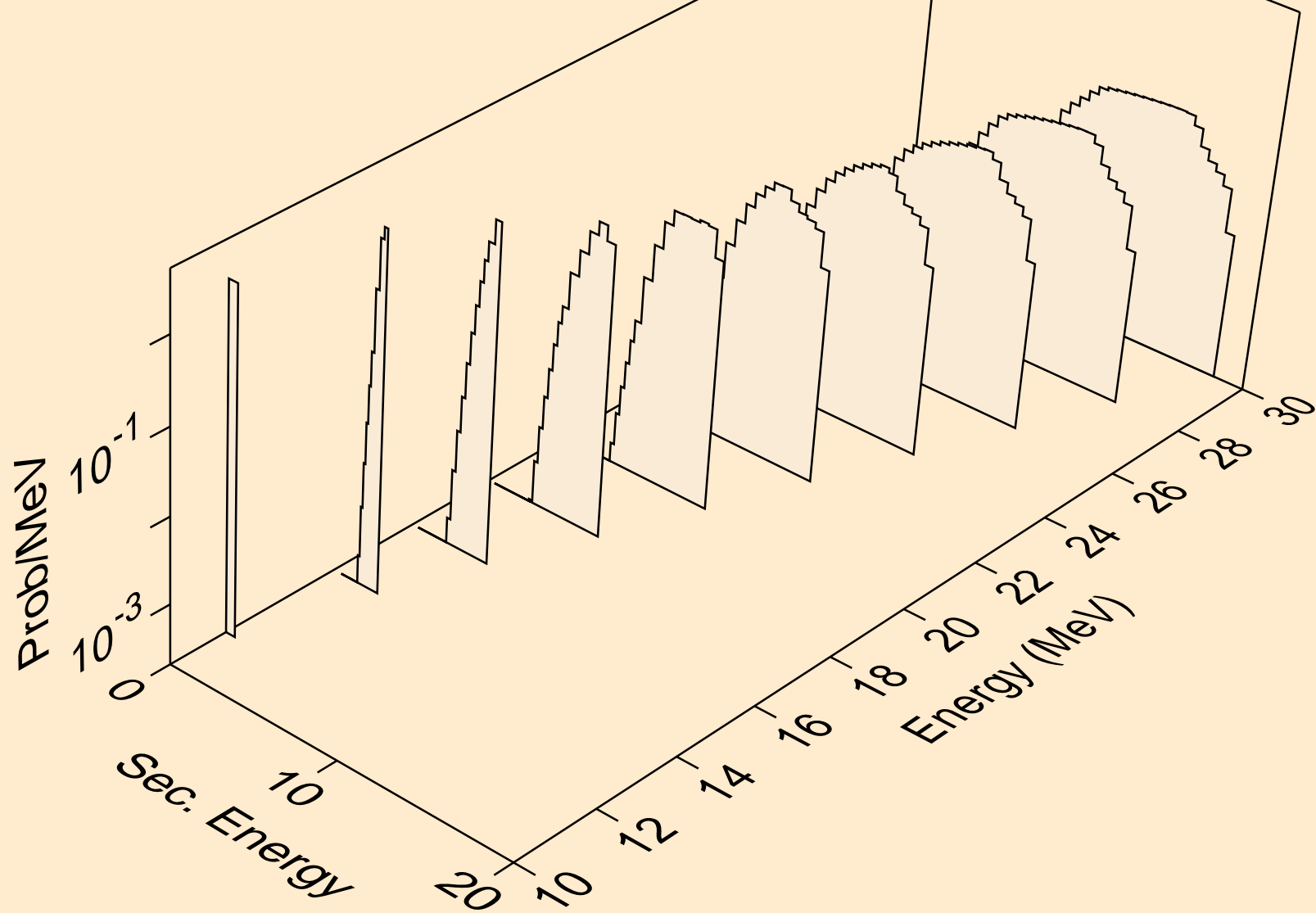
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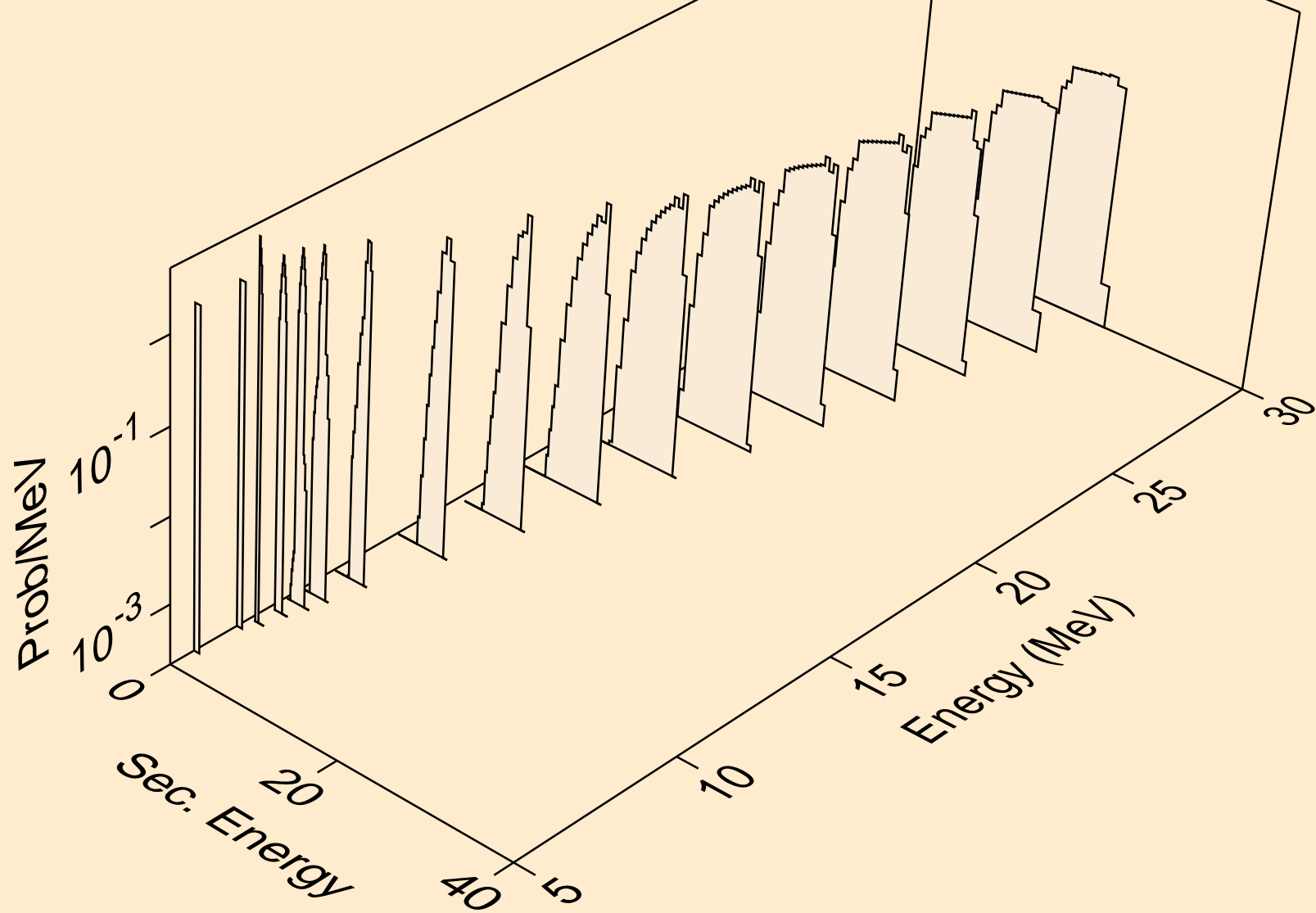
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deuterons from (n,2nd)



NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d

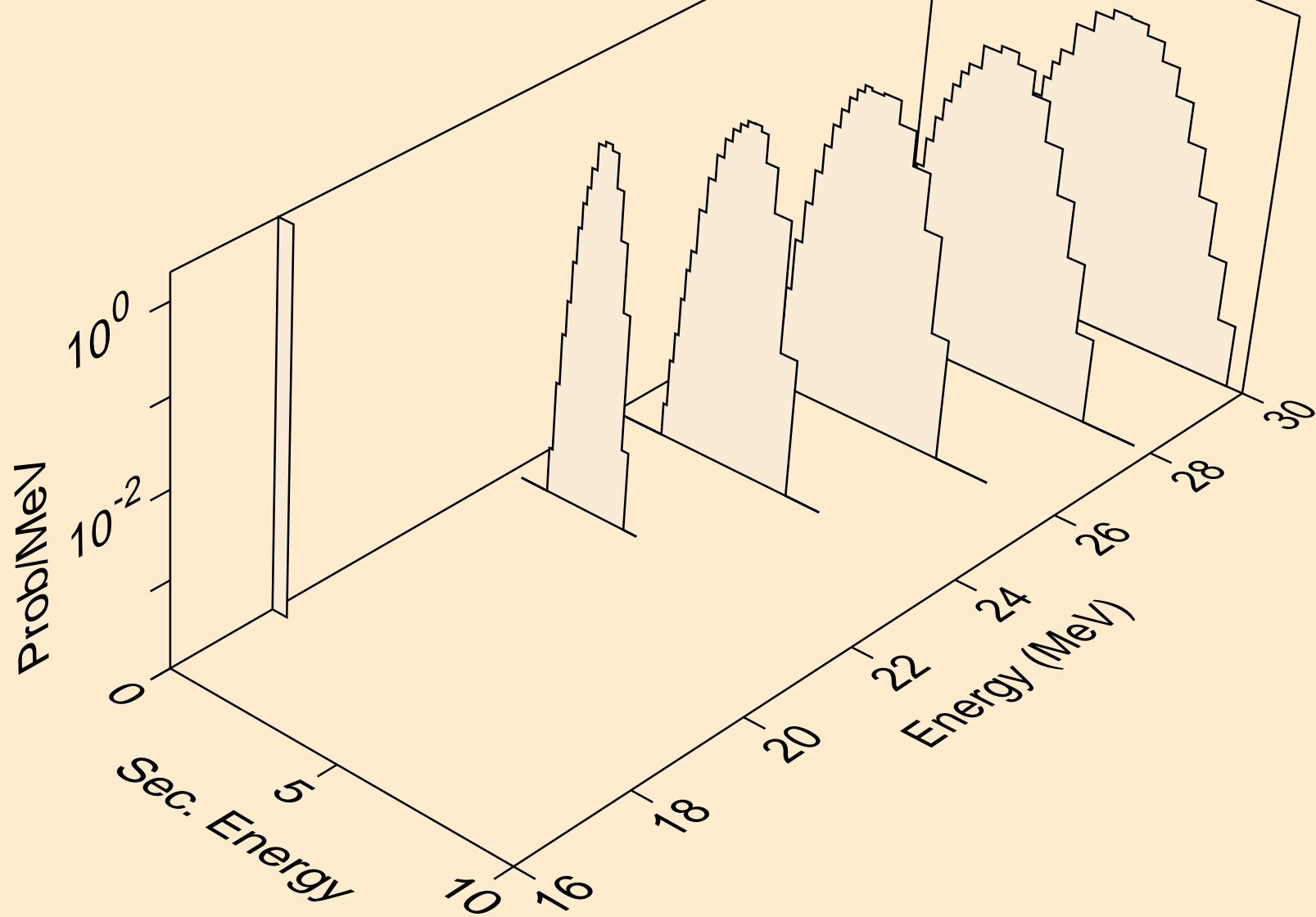


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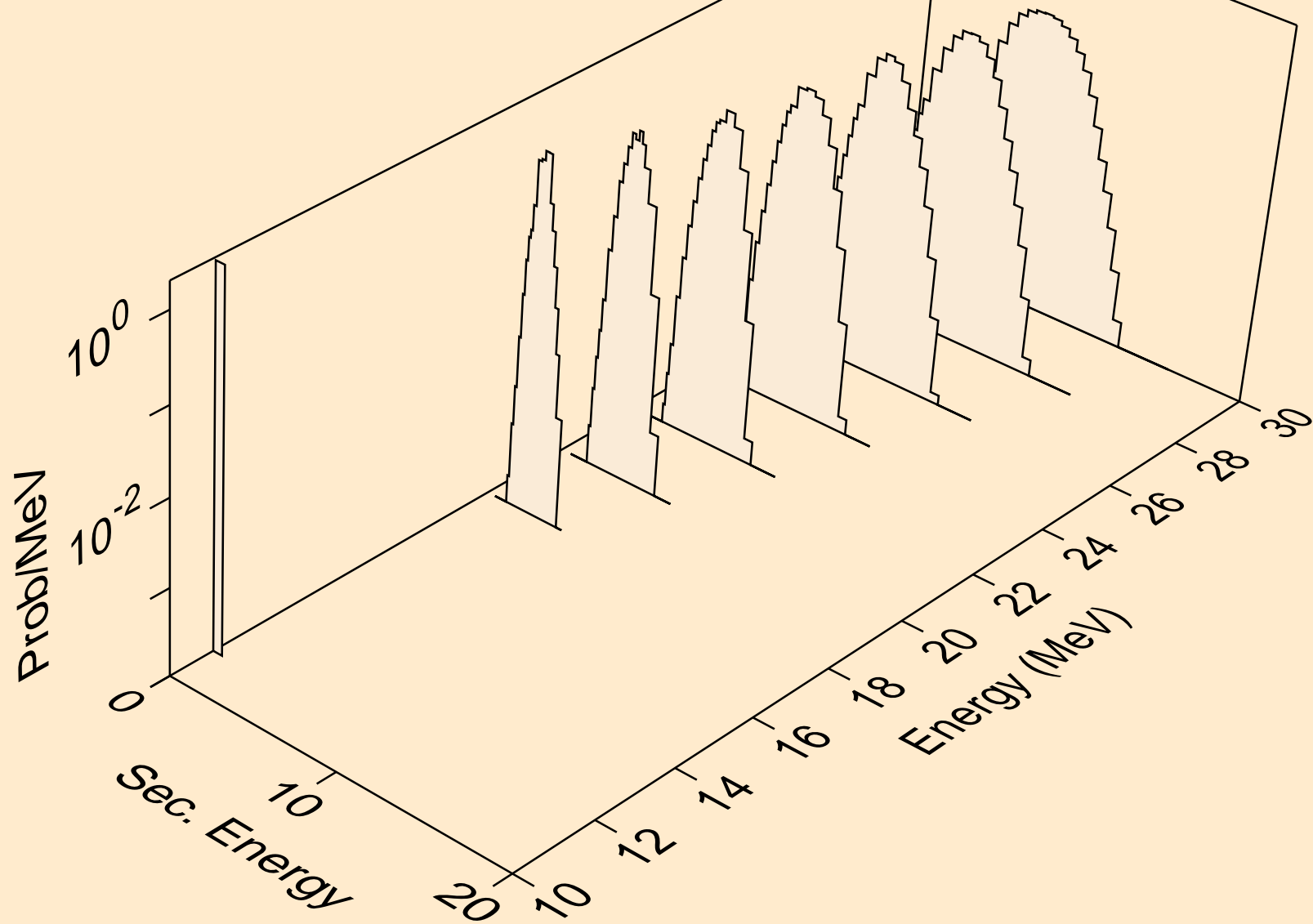




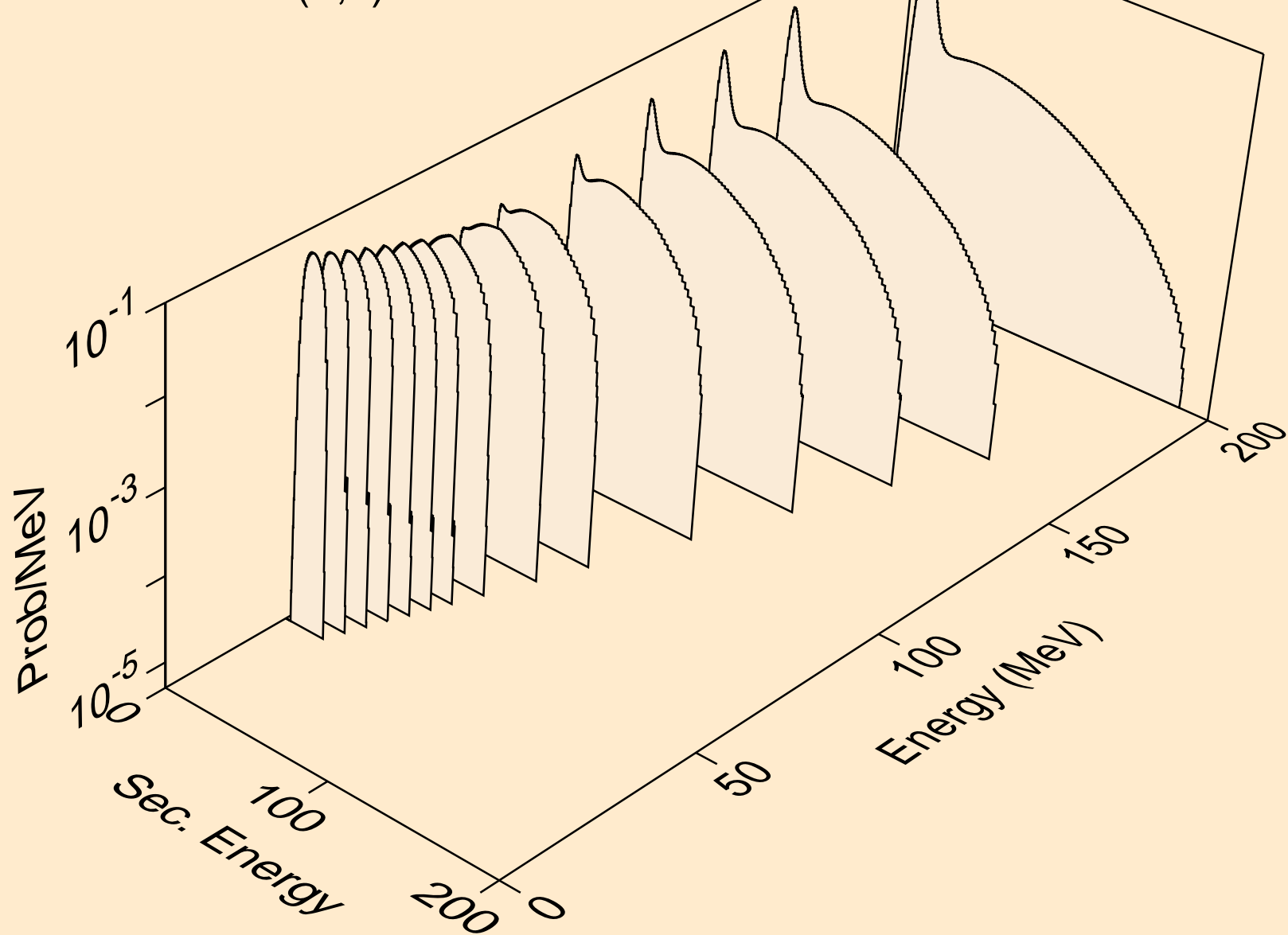
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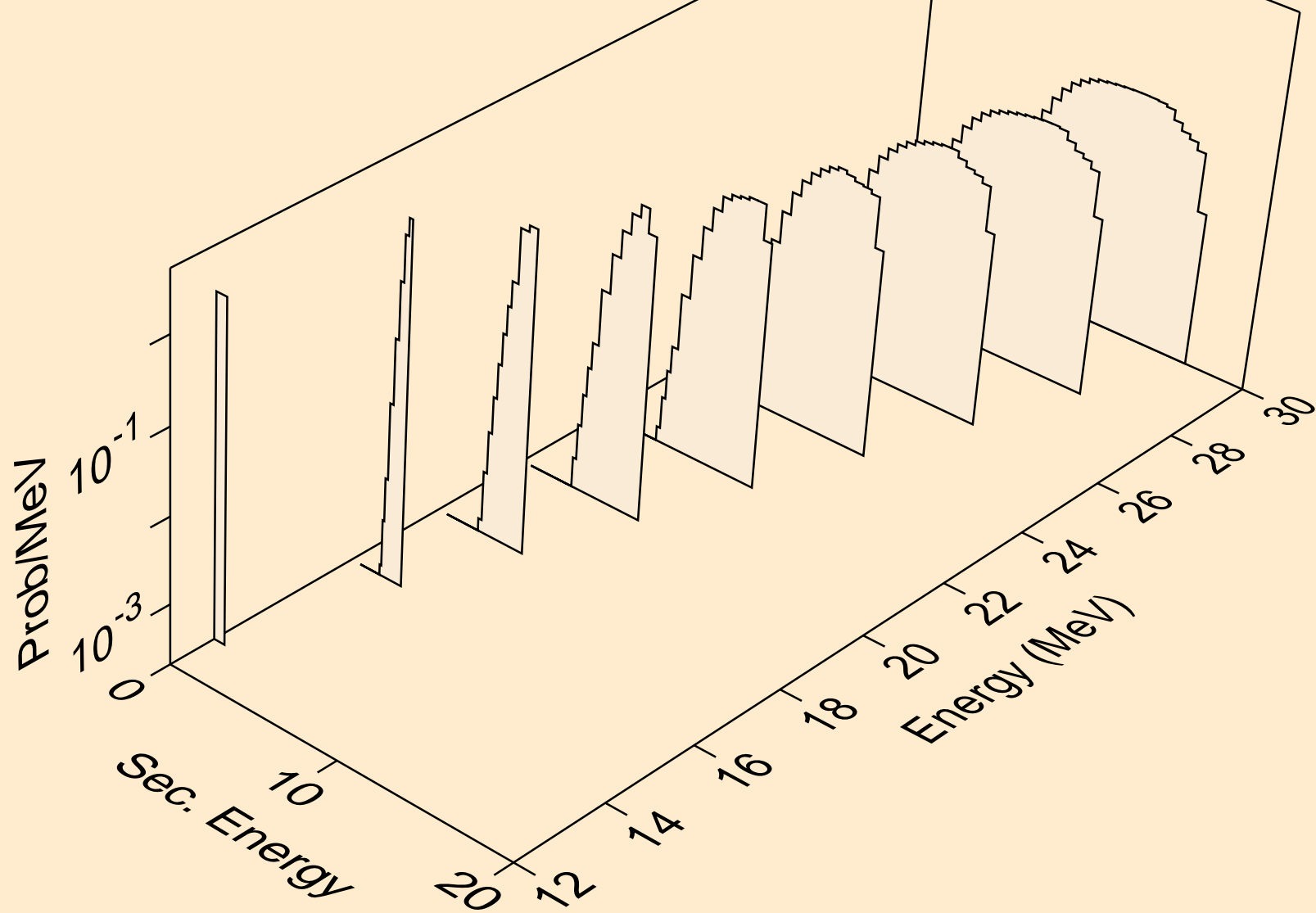
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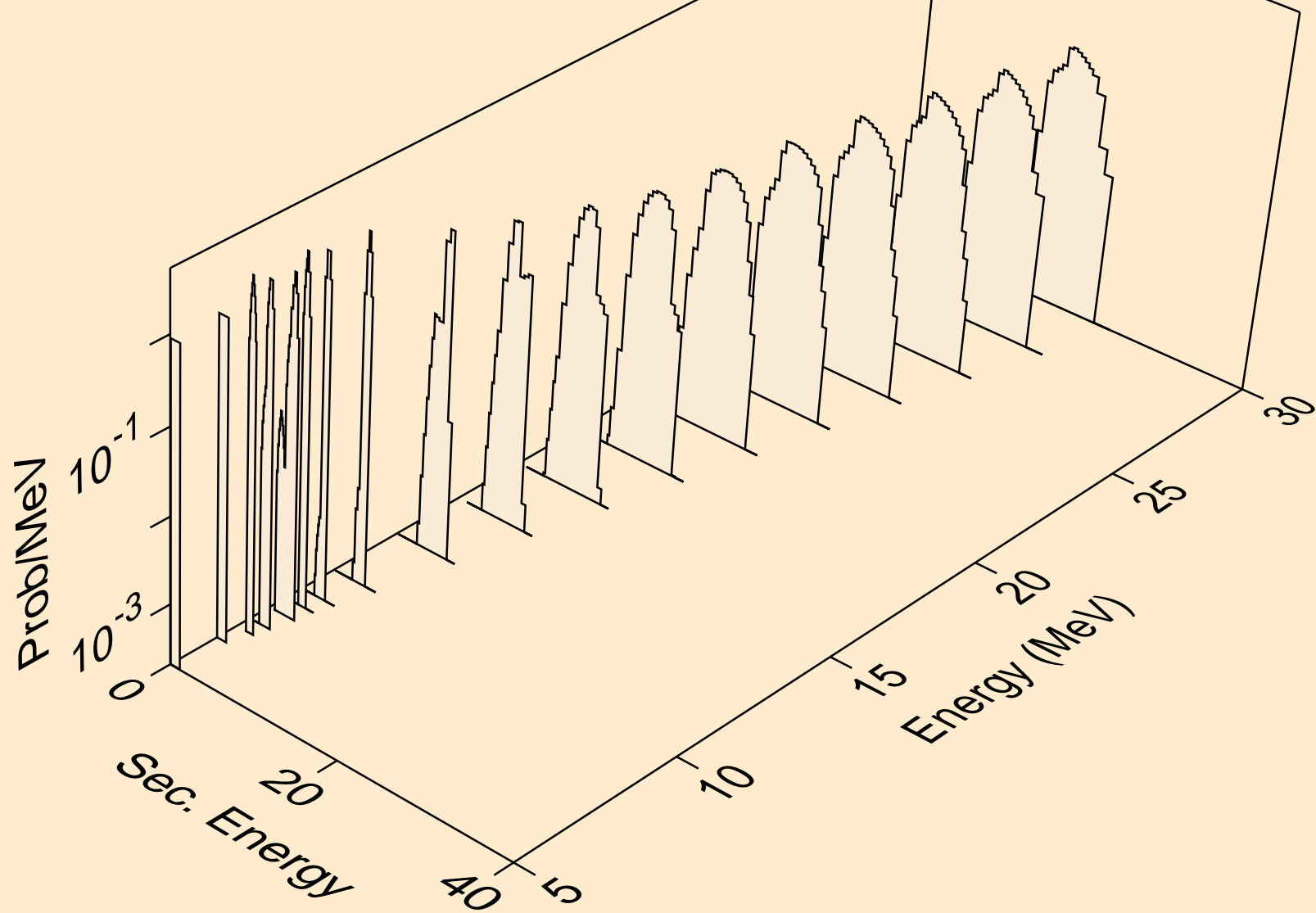
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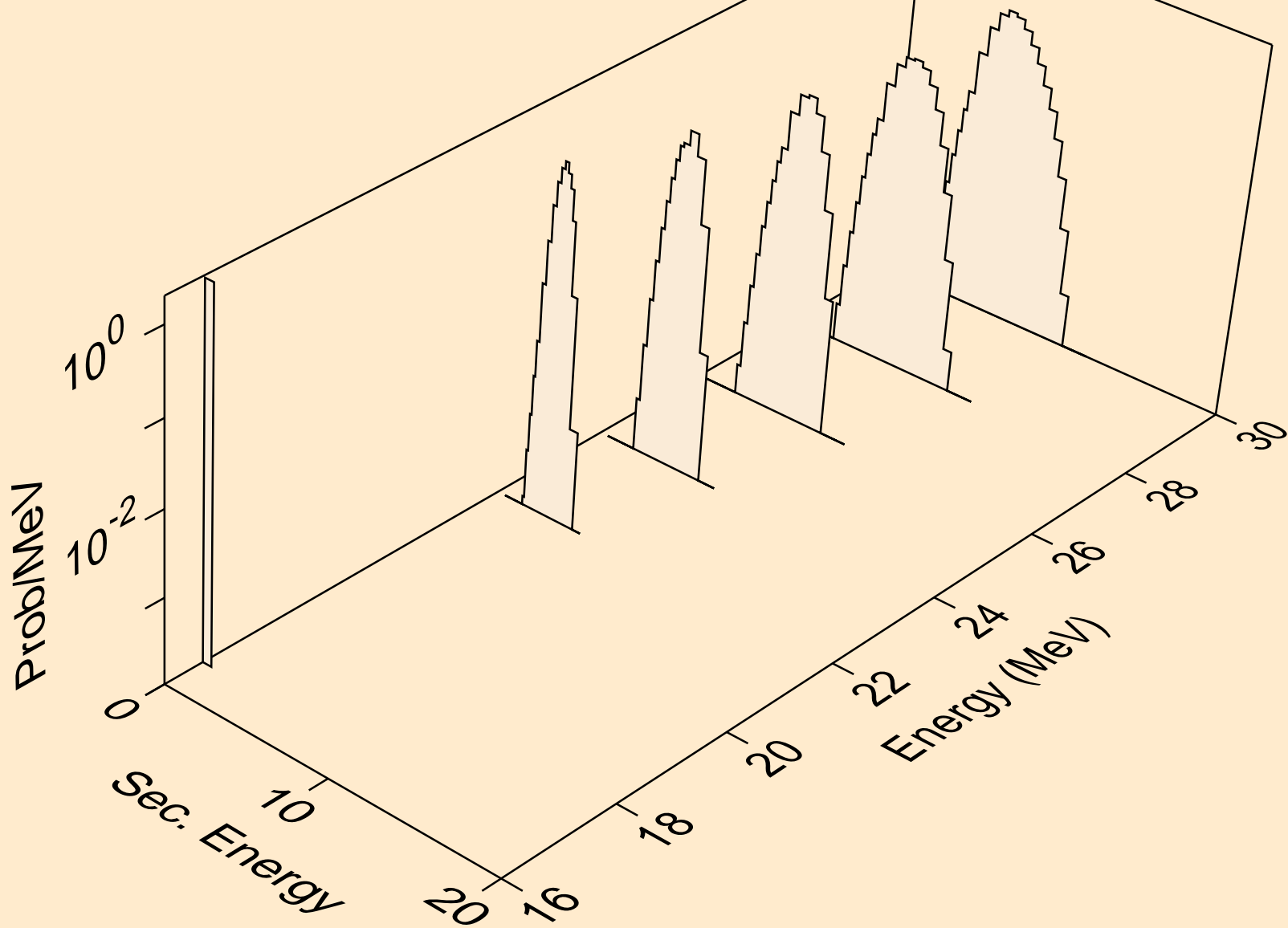
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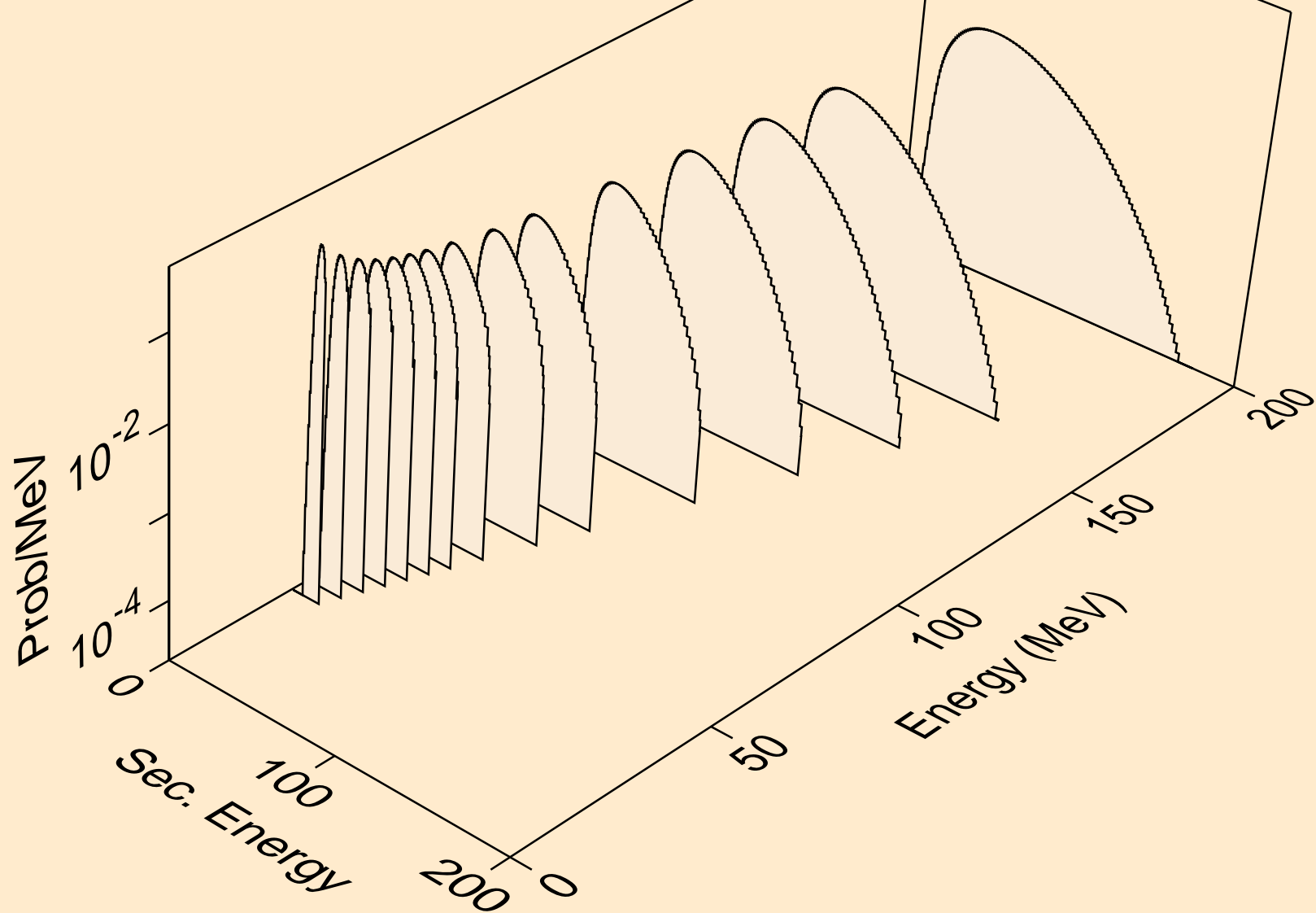
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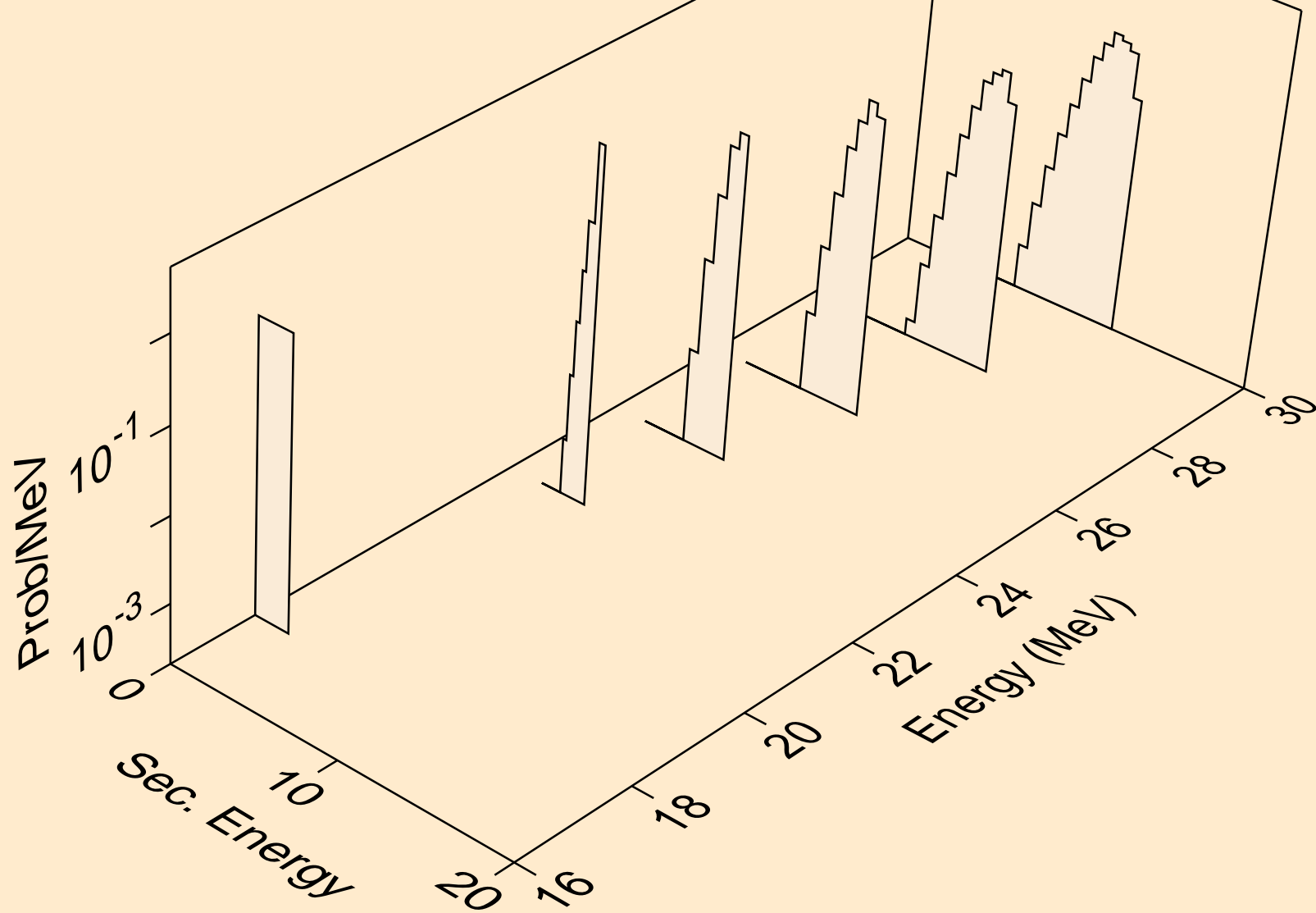
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)



NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)

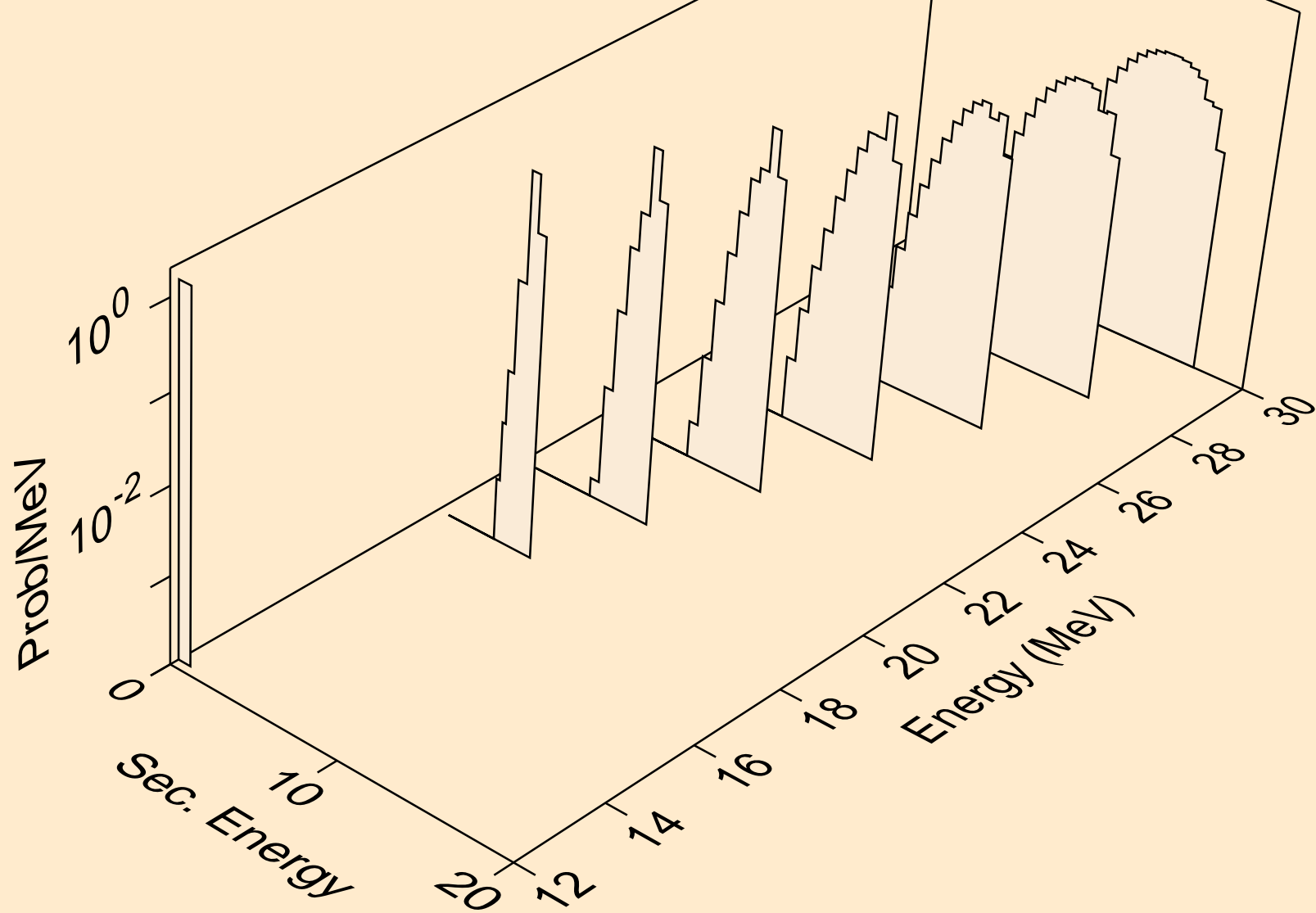


NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3

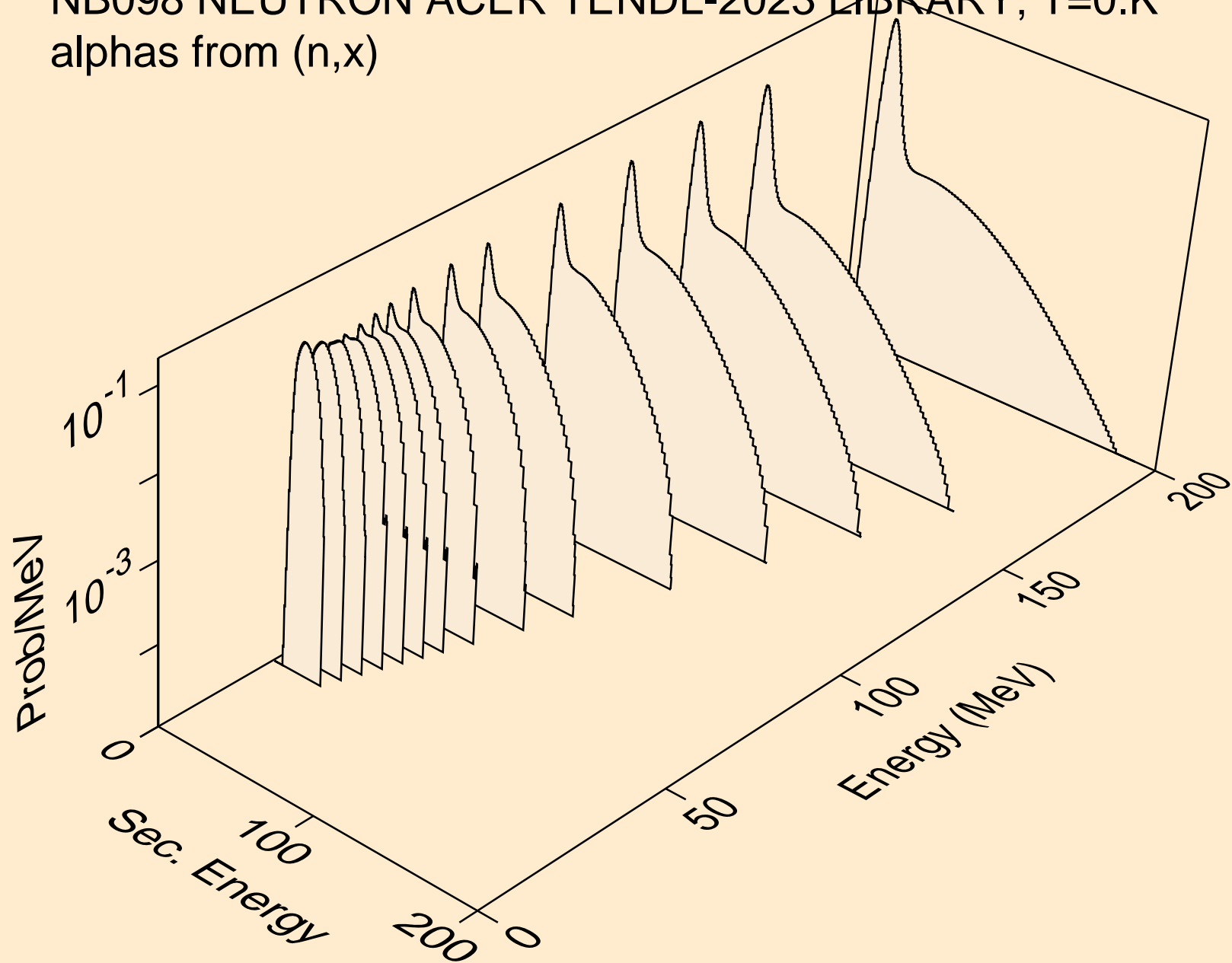




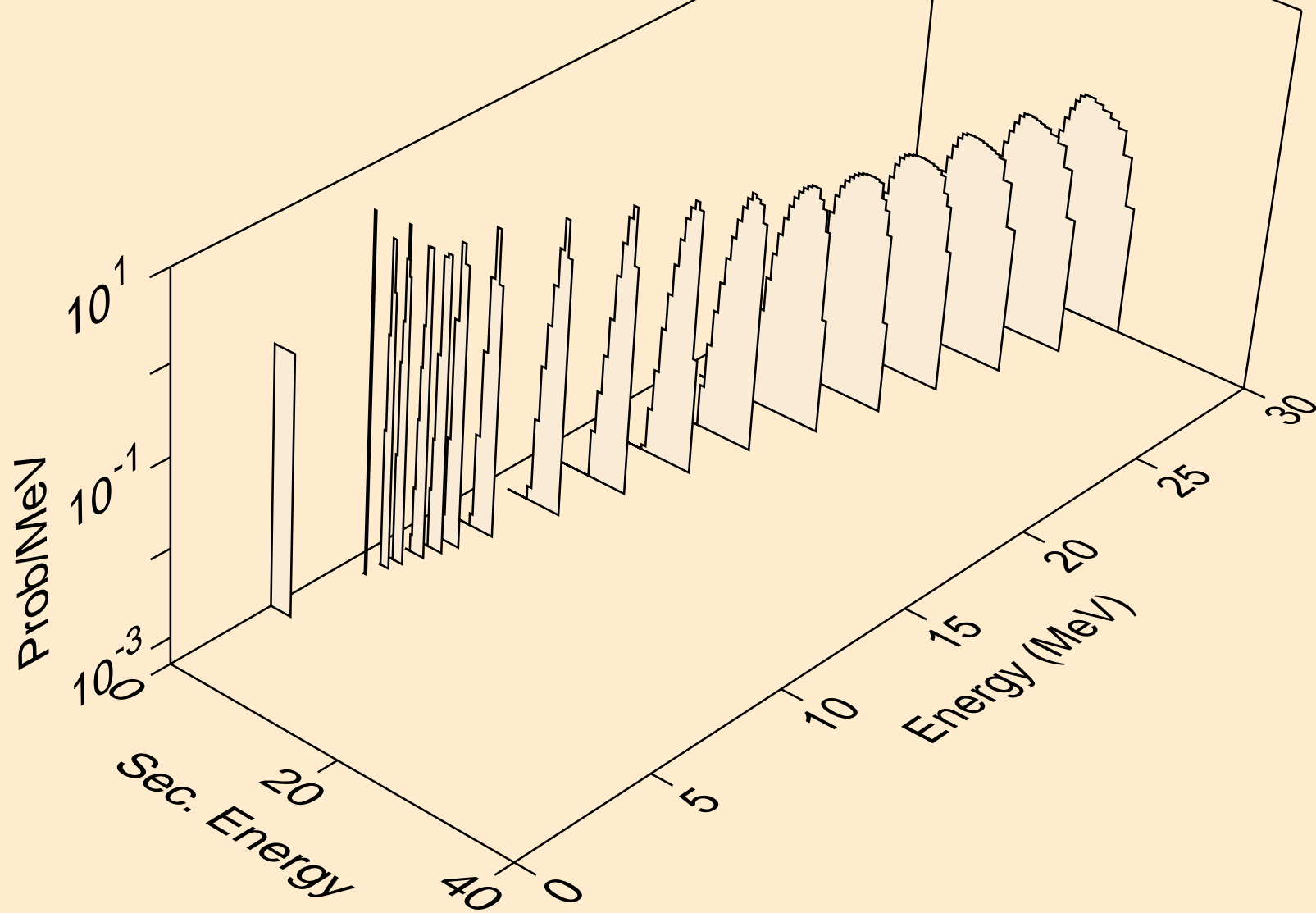
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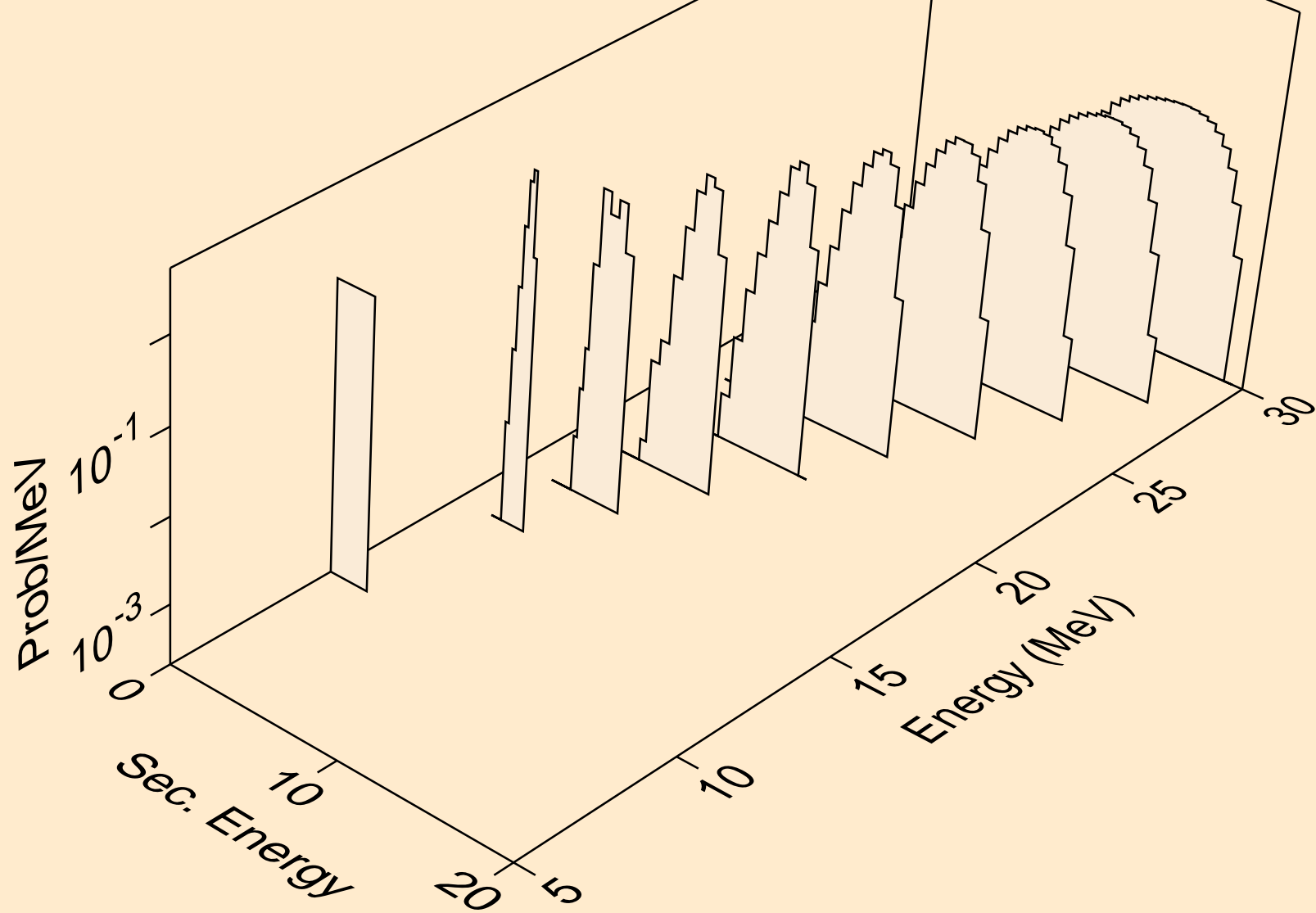
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



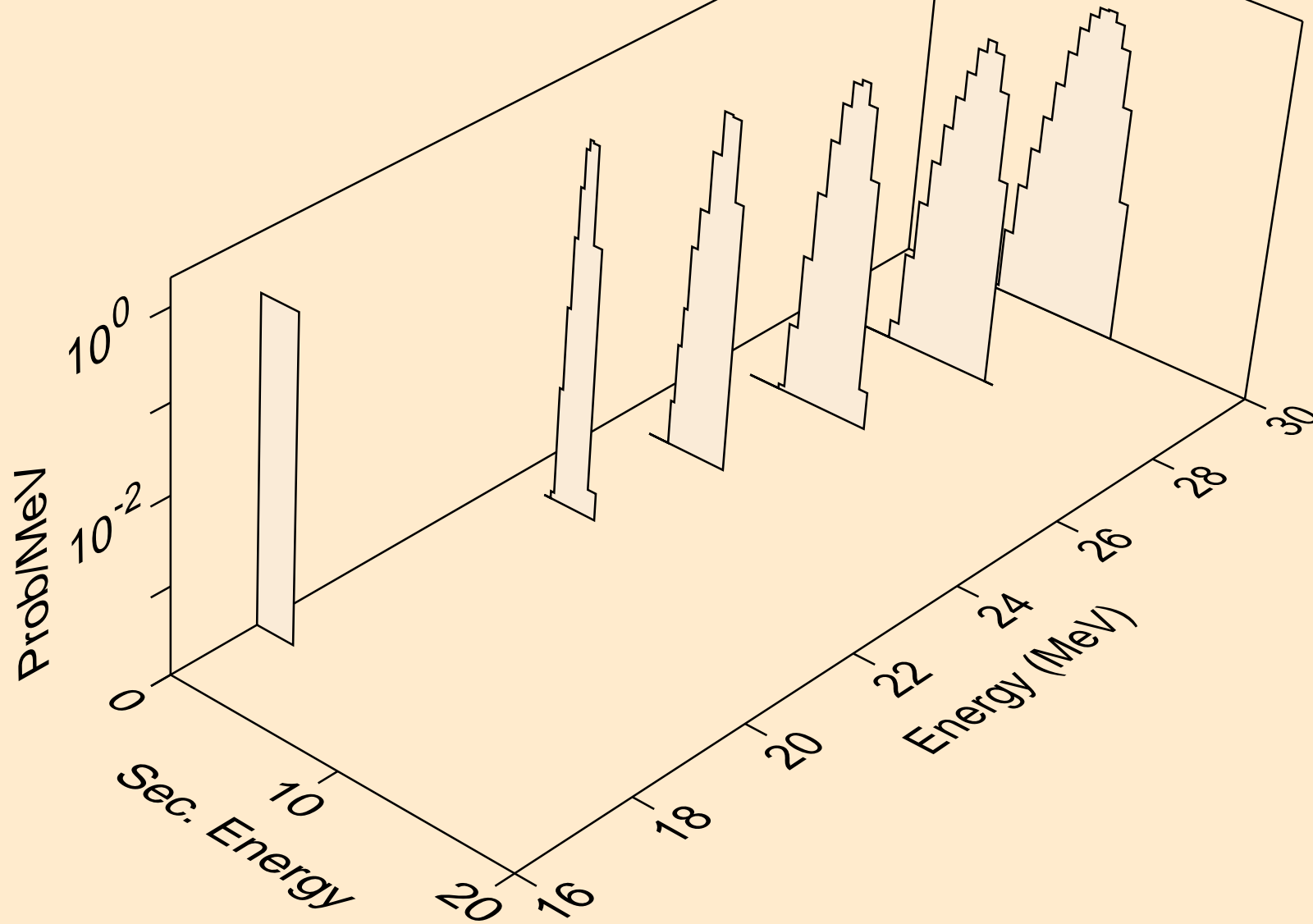
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



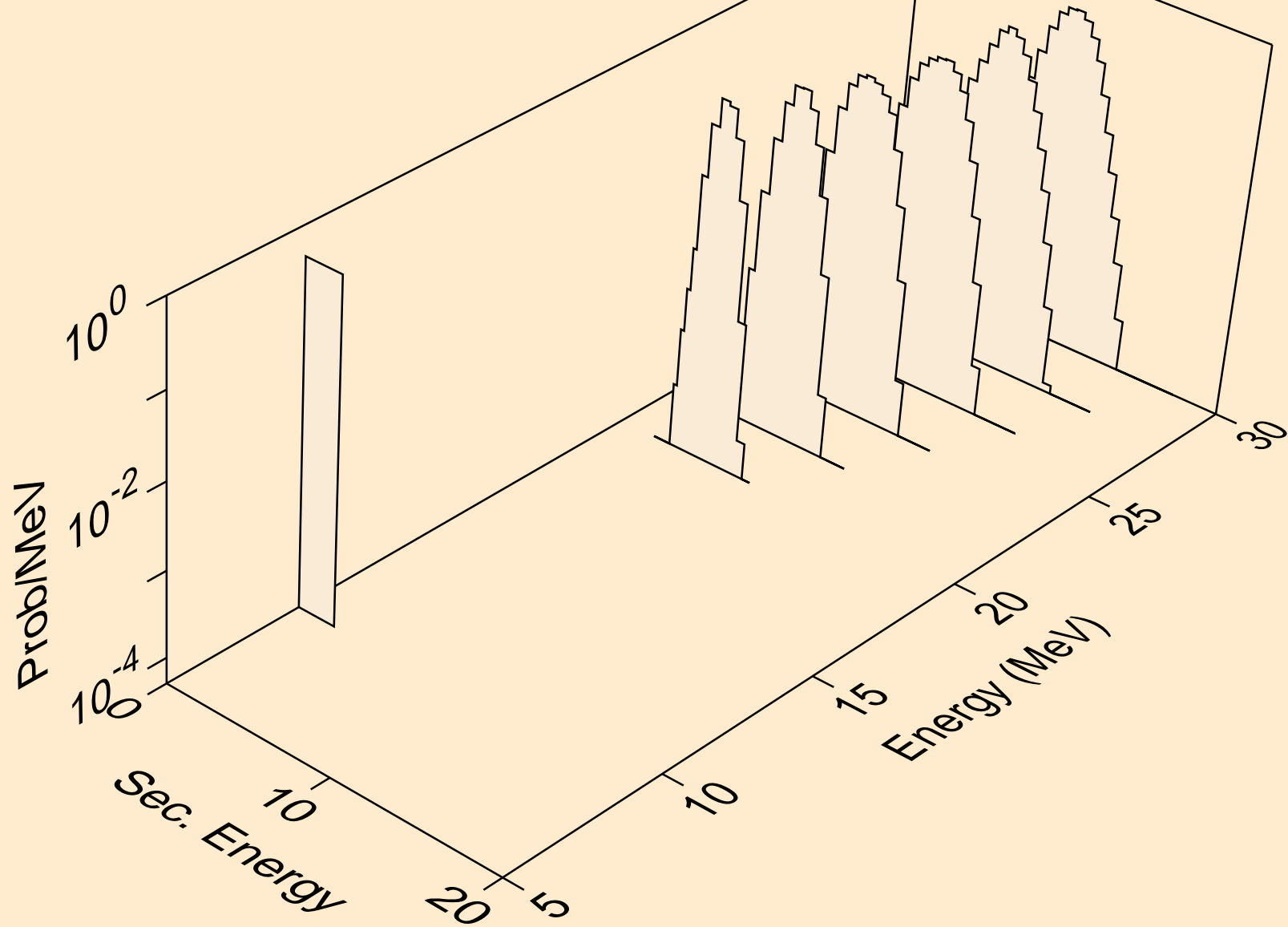
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



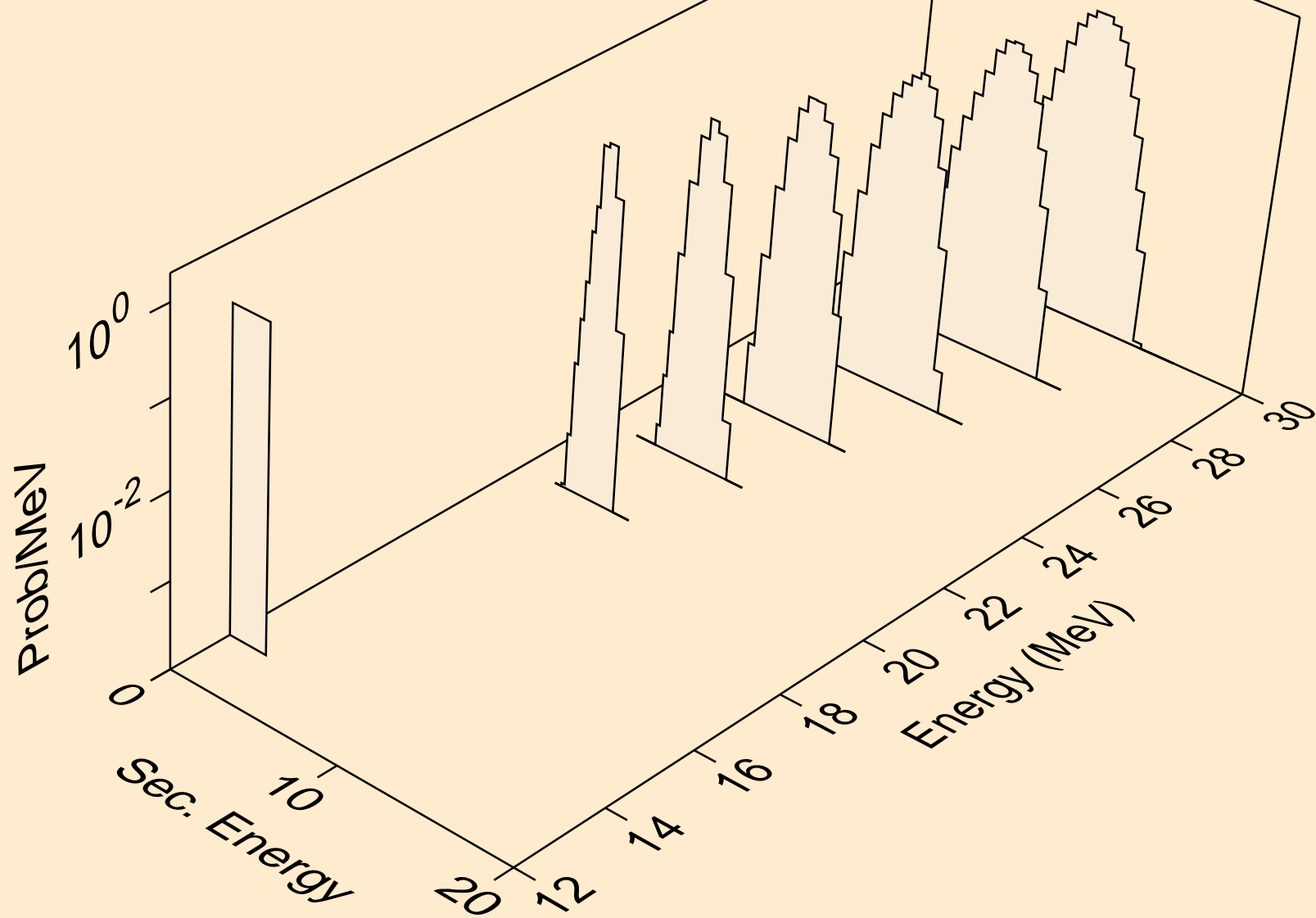
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



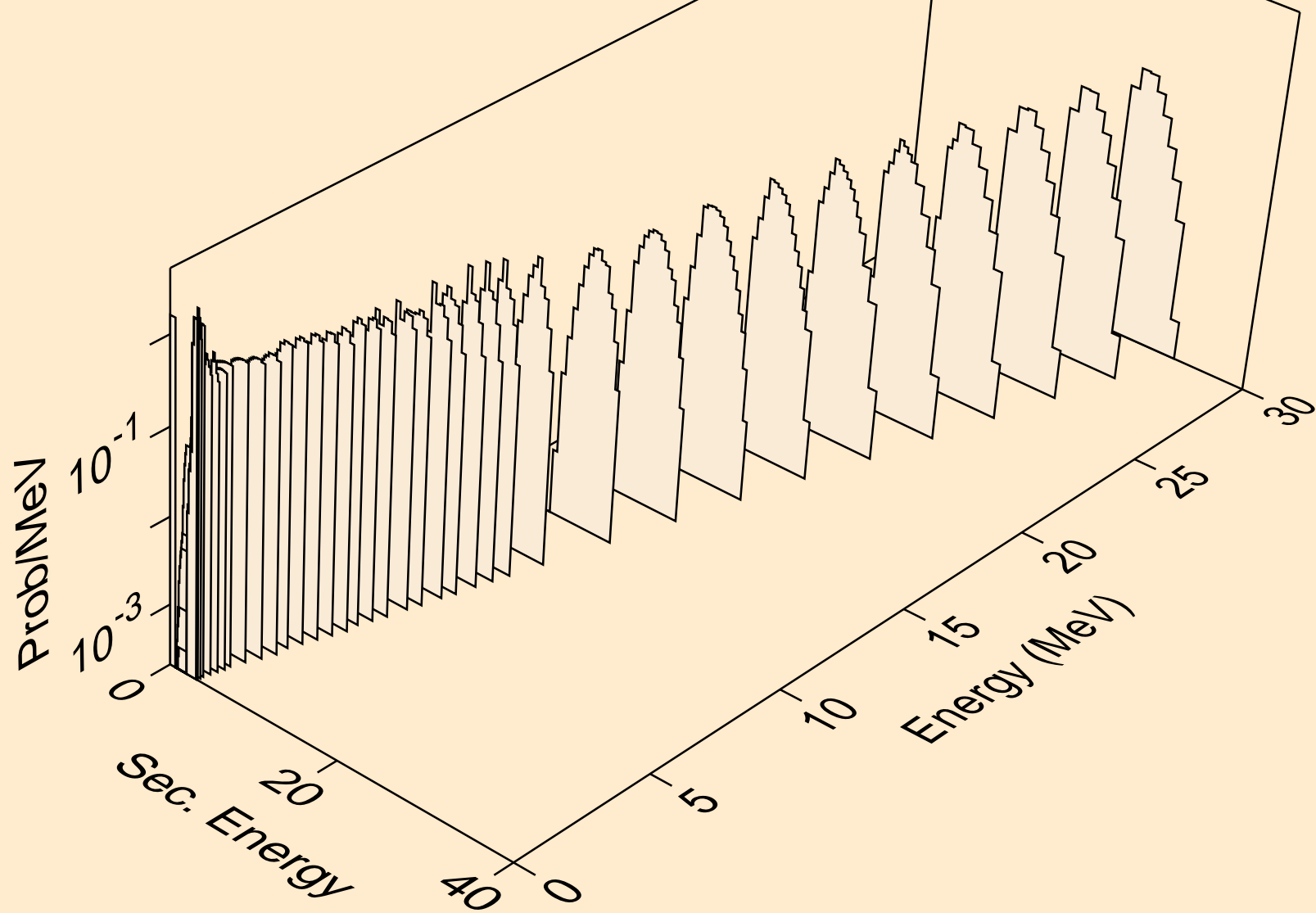
NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a



NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)

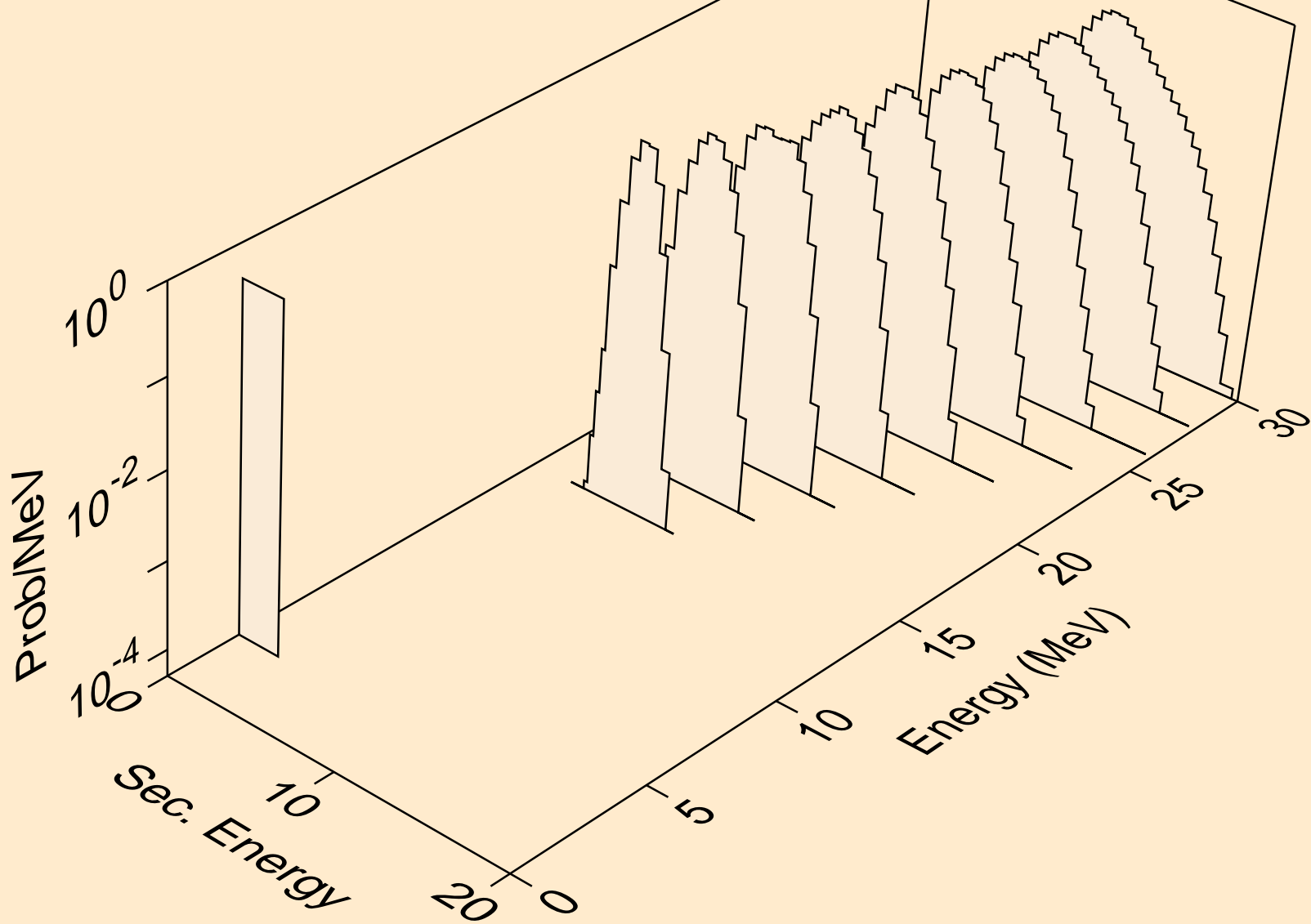


NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)

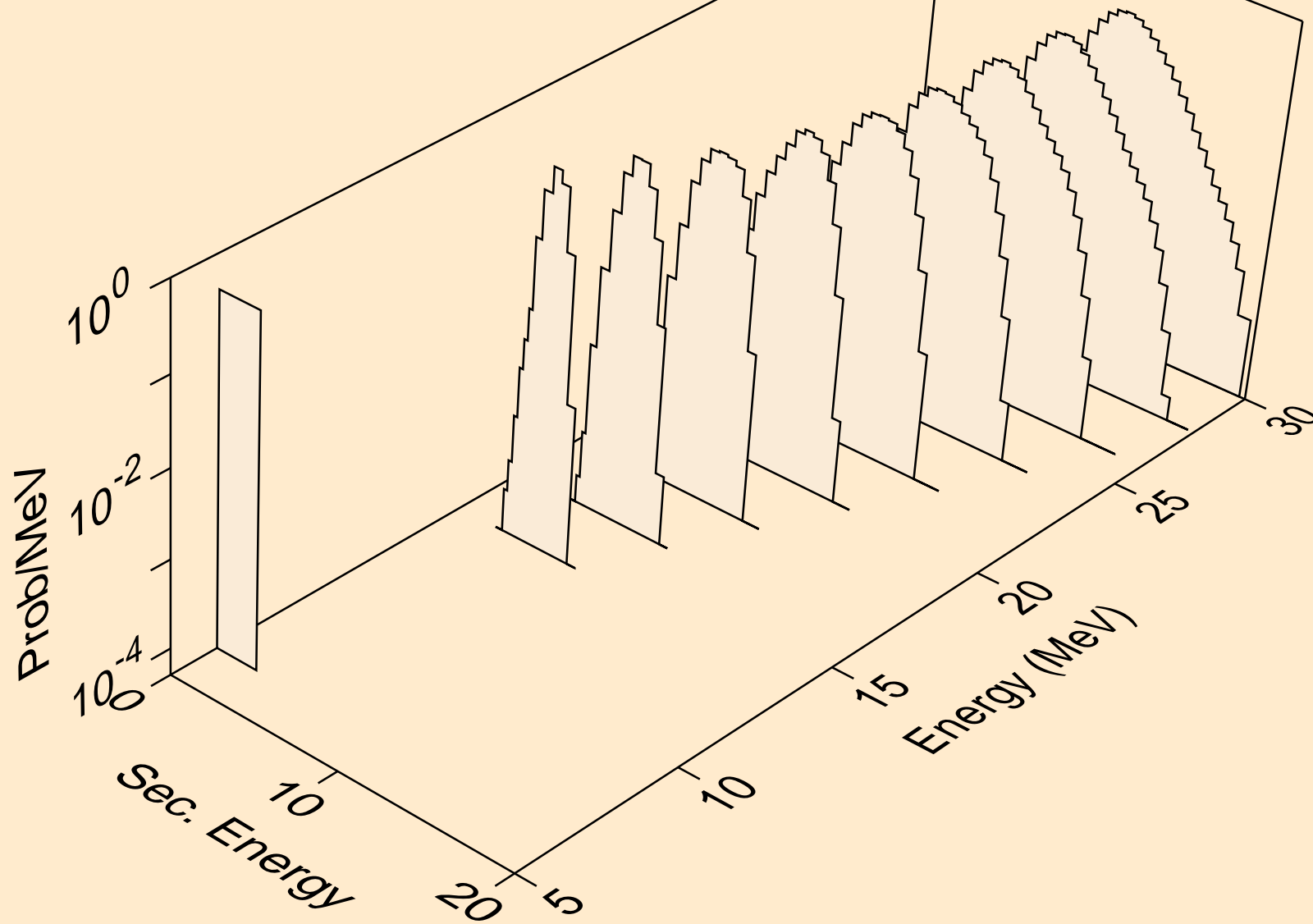




NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



NB098 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

