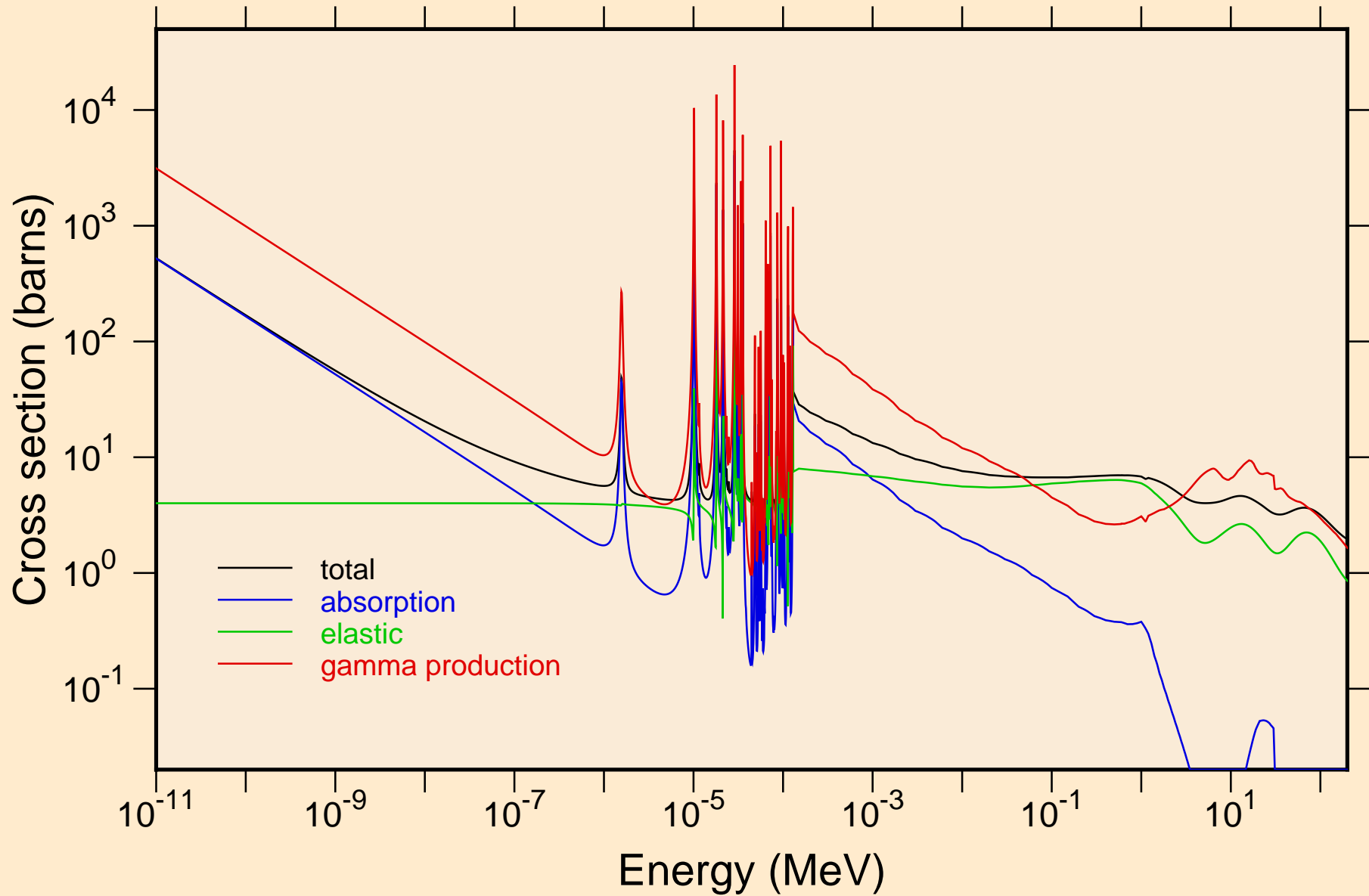
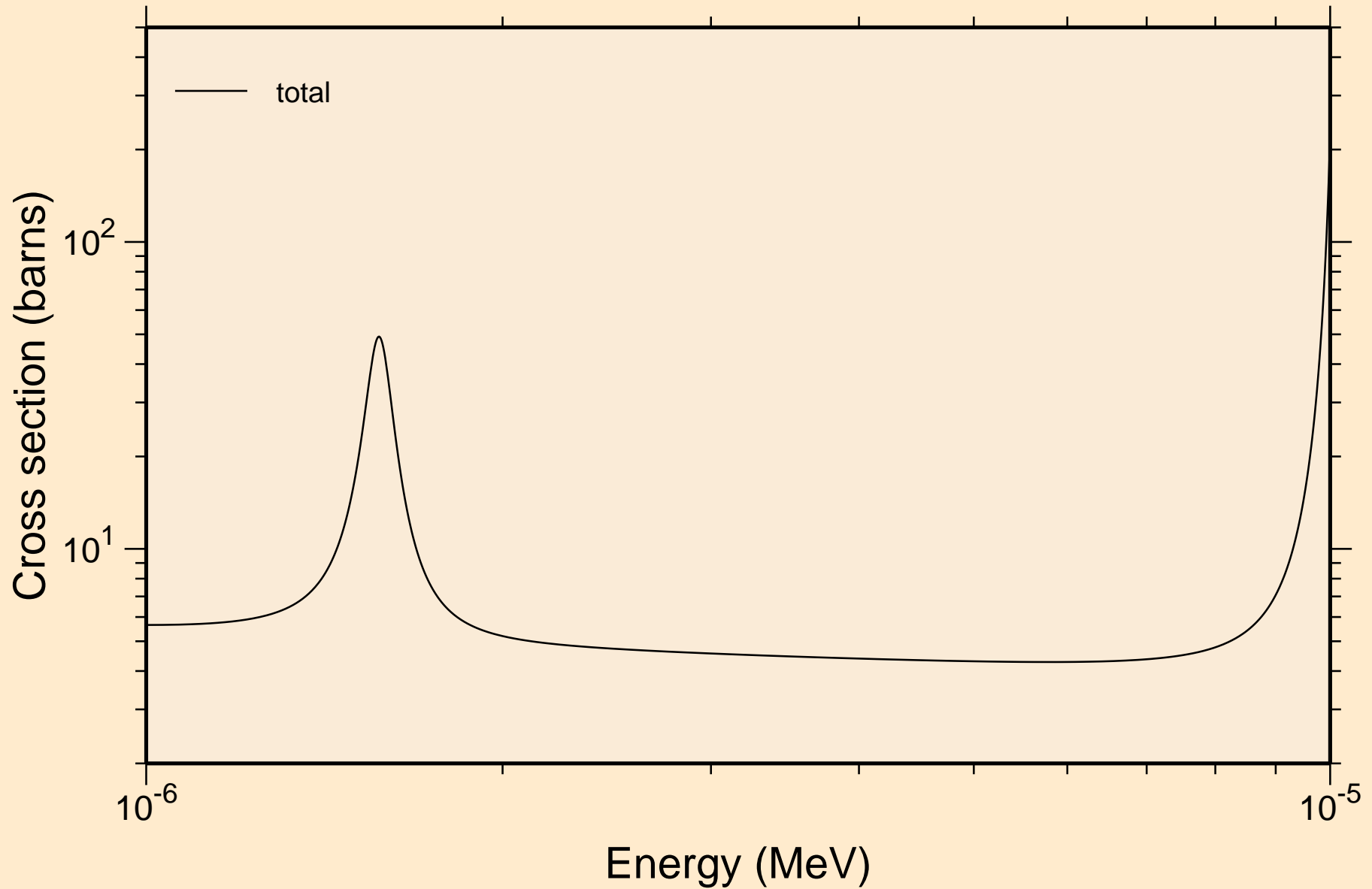


# IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

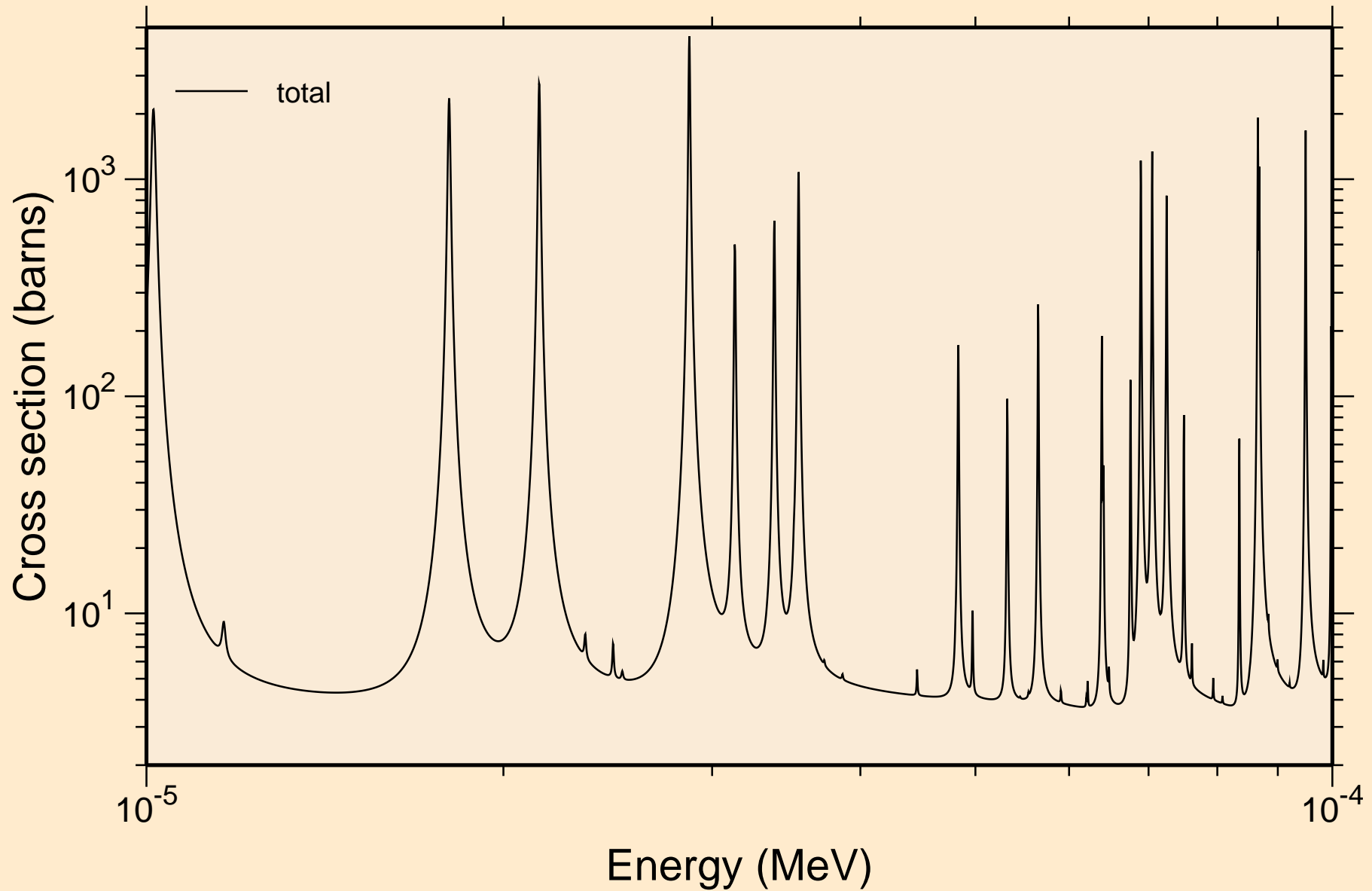
## Principal cross sections



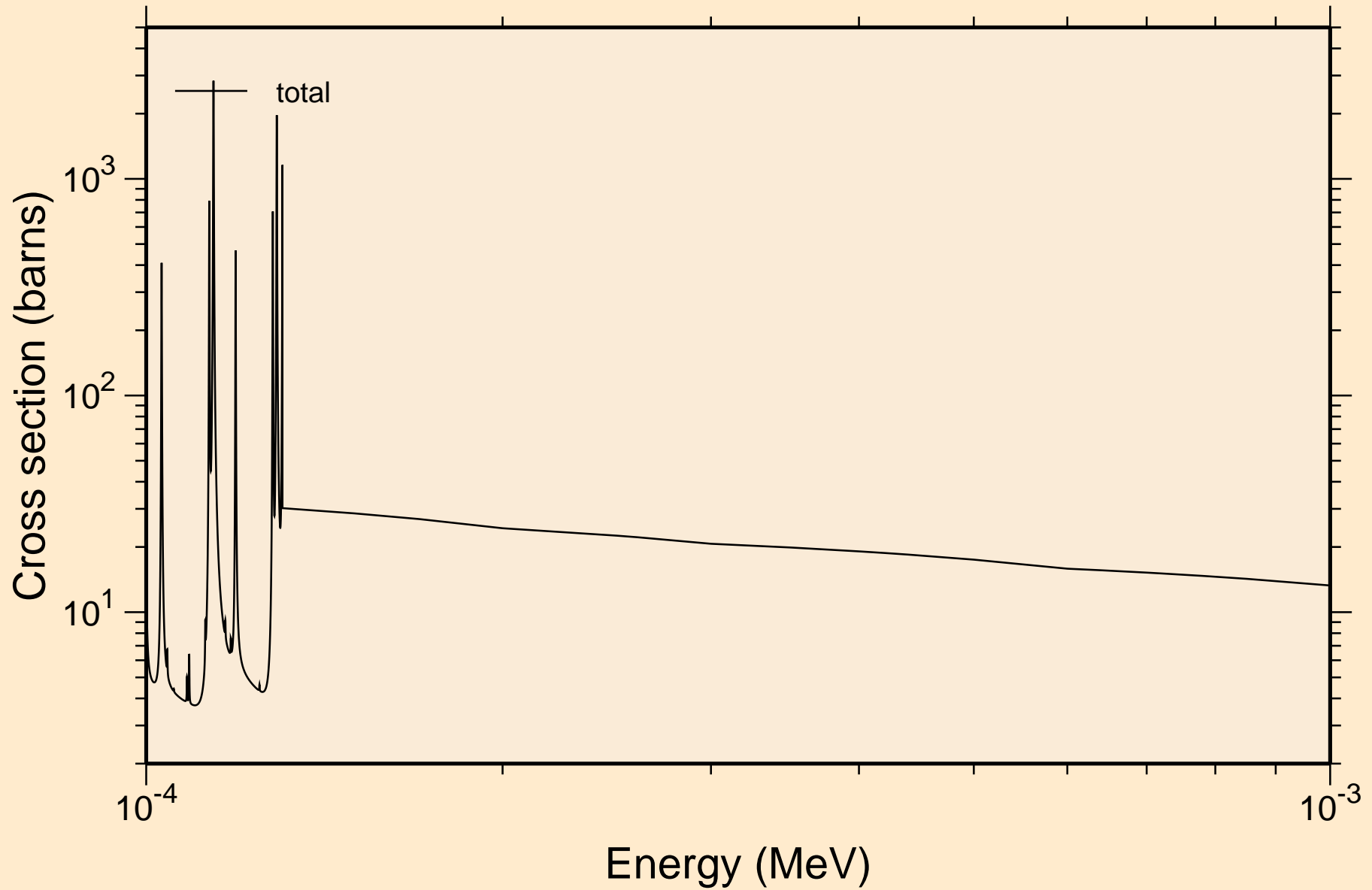
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resonance total cross section



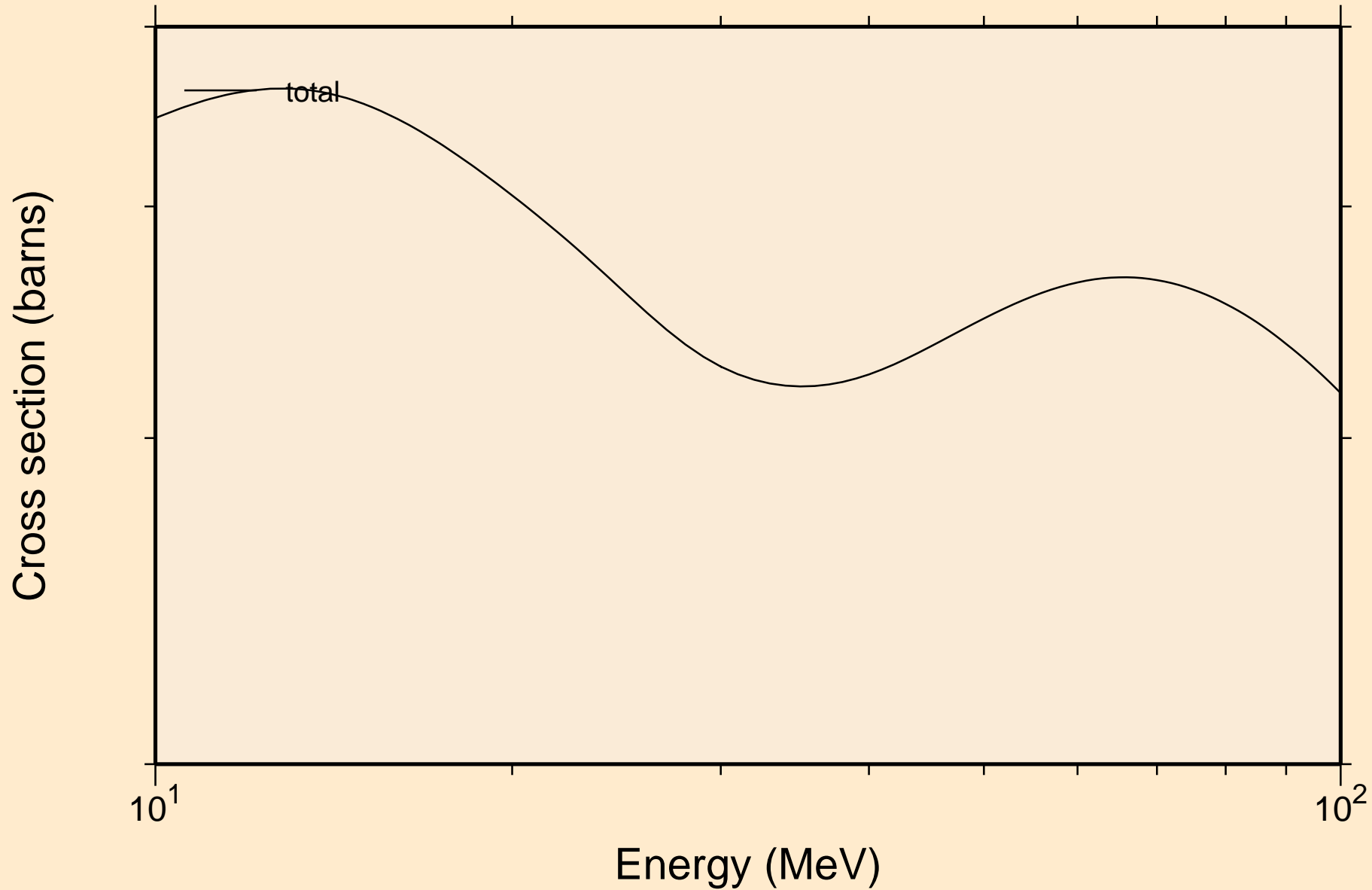
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resonance total cross section



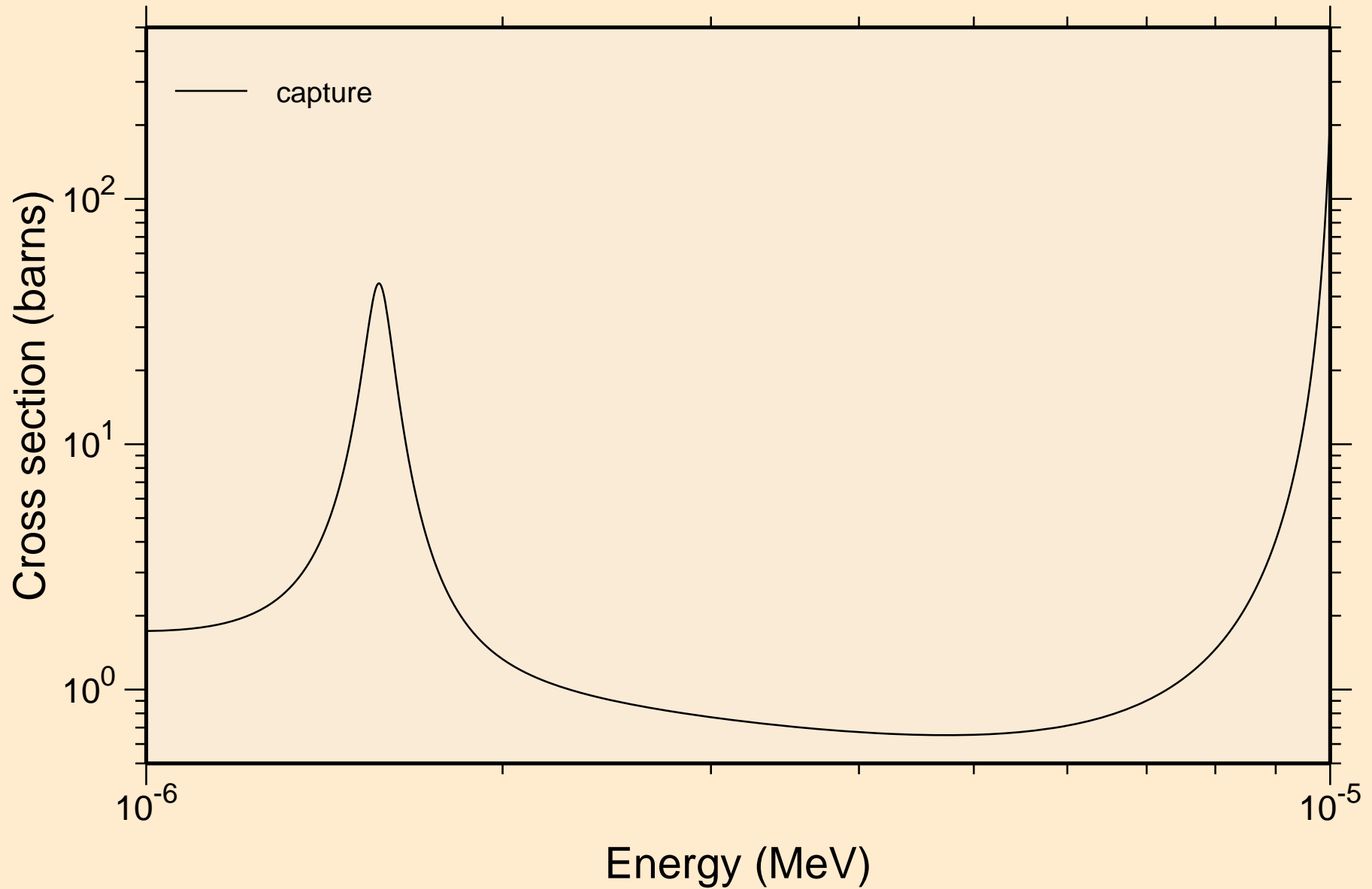
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resonance total cross section



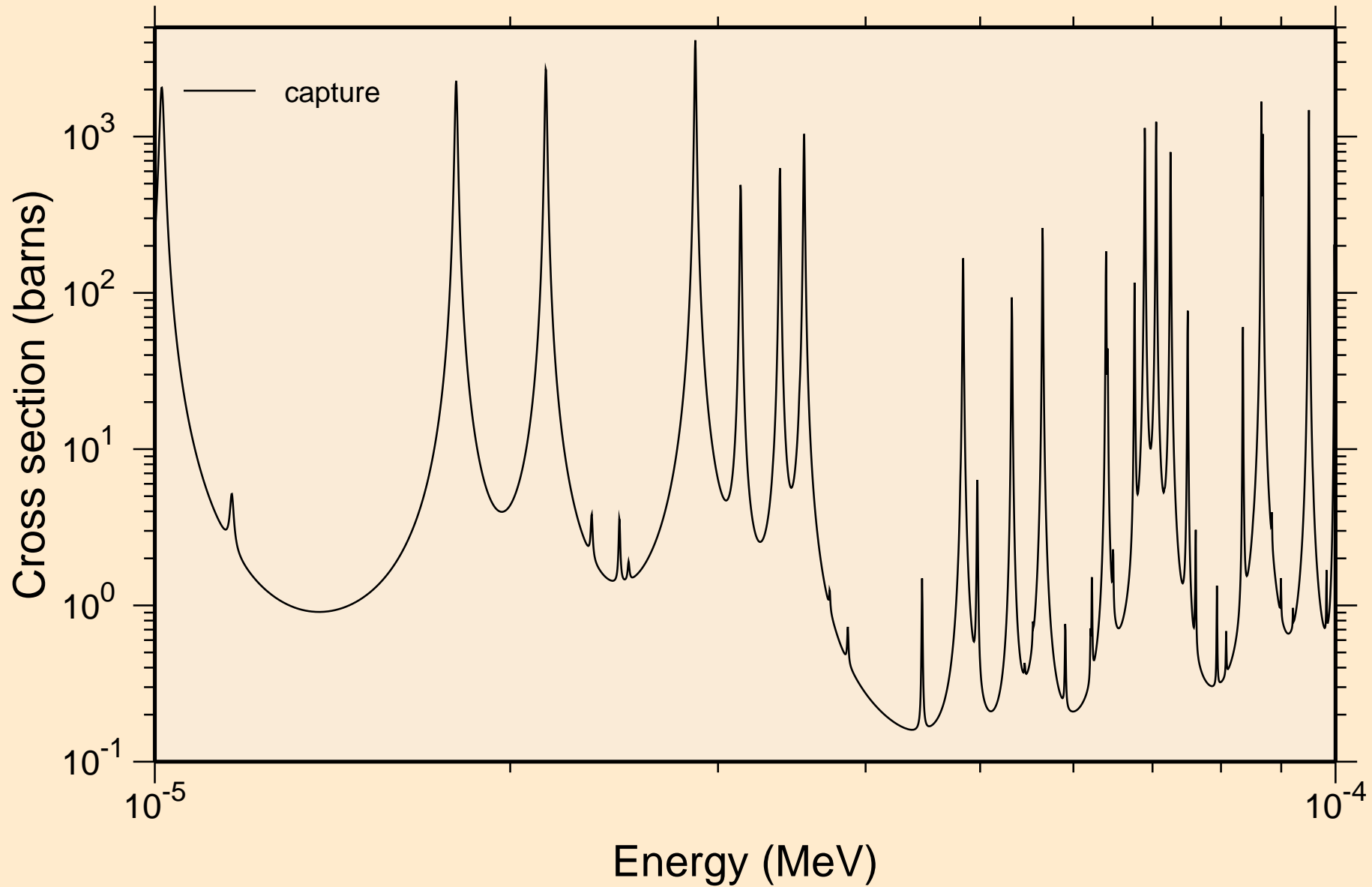
IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



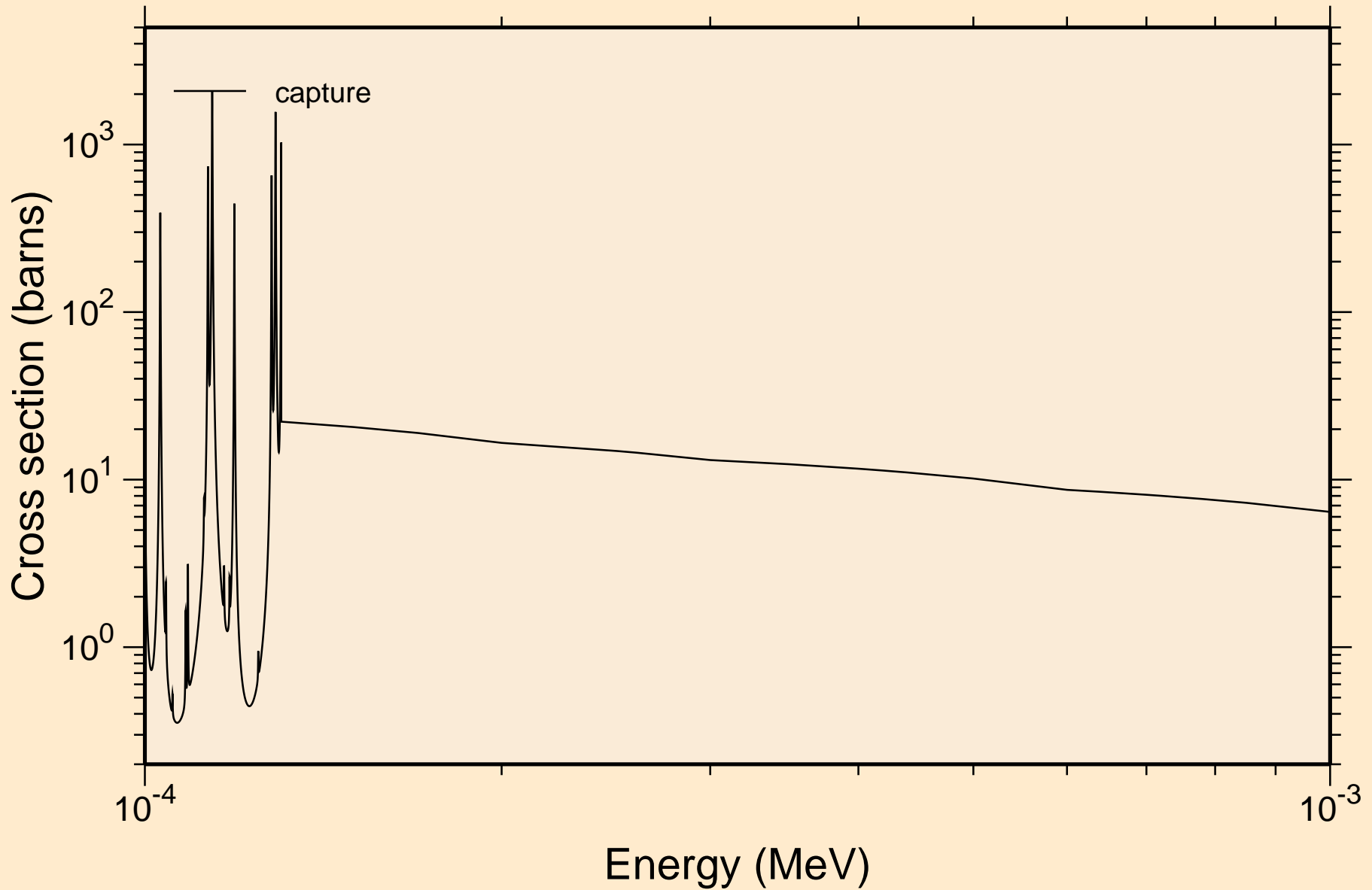
IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

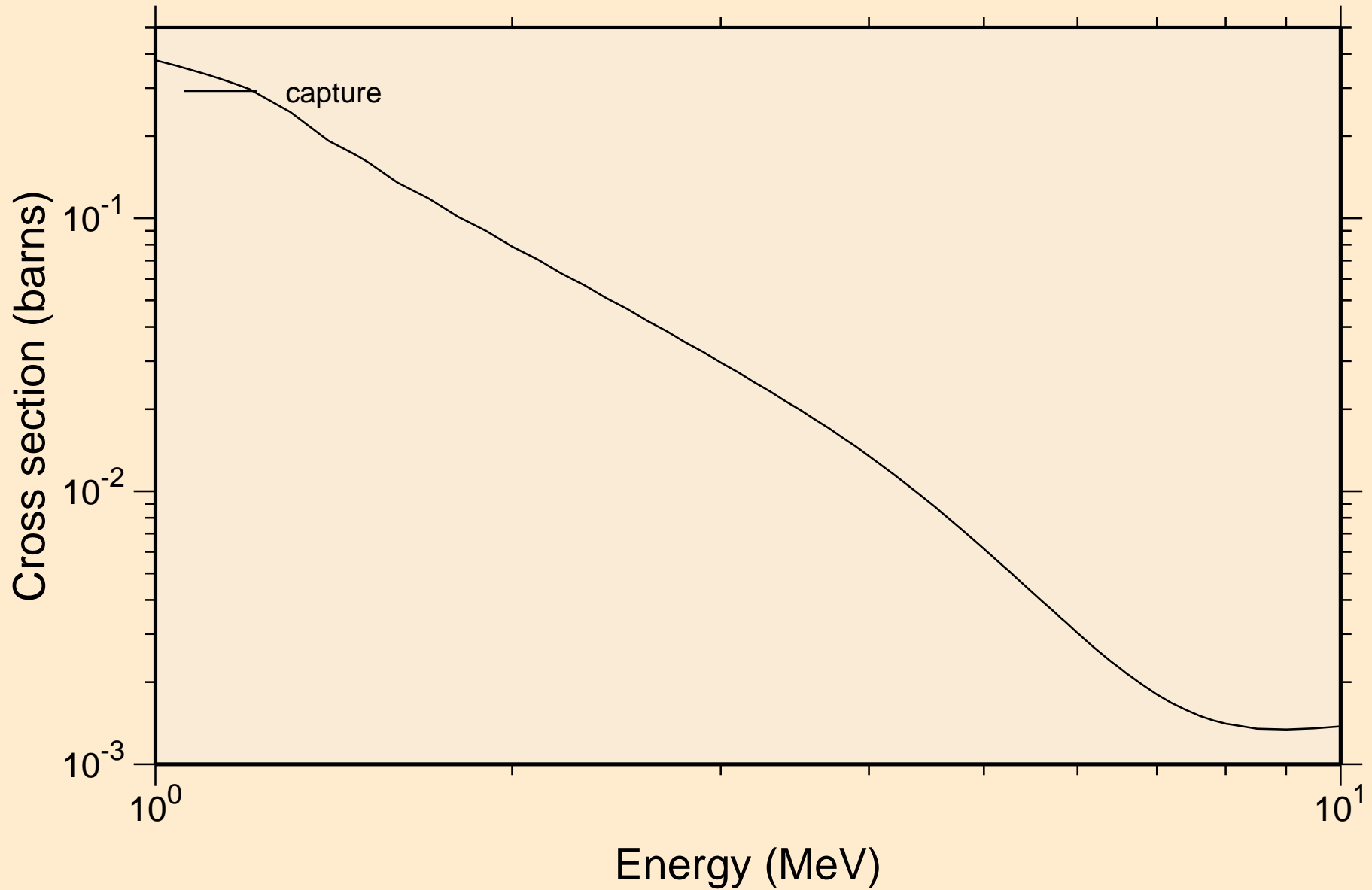


IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

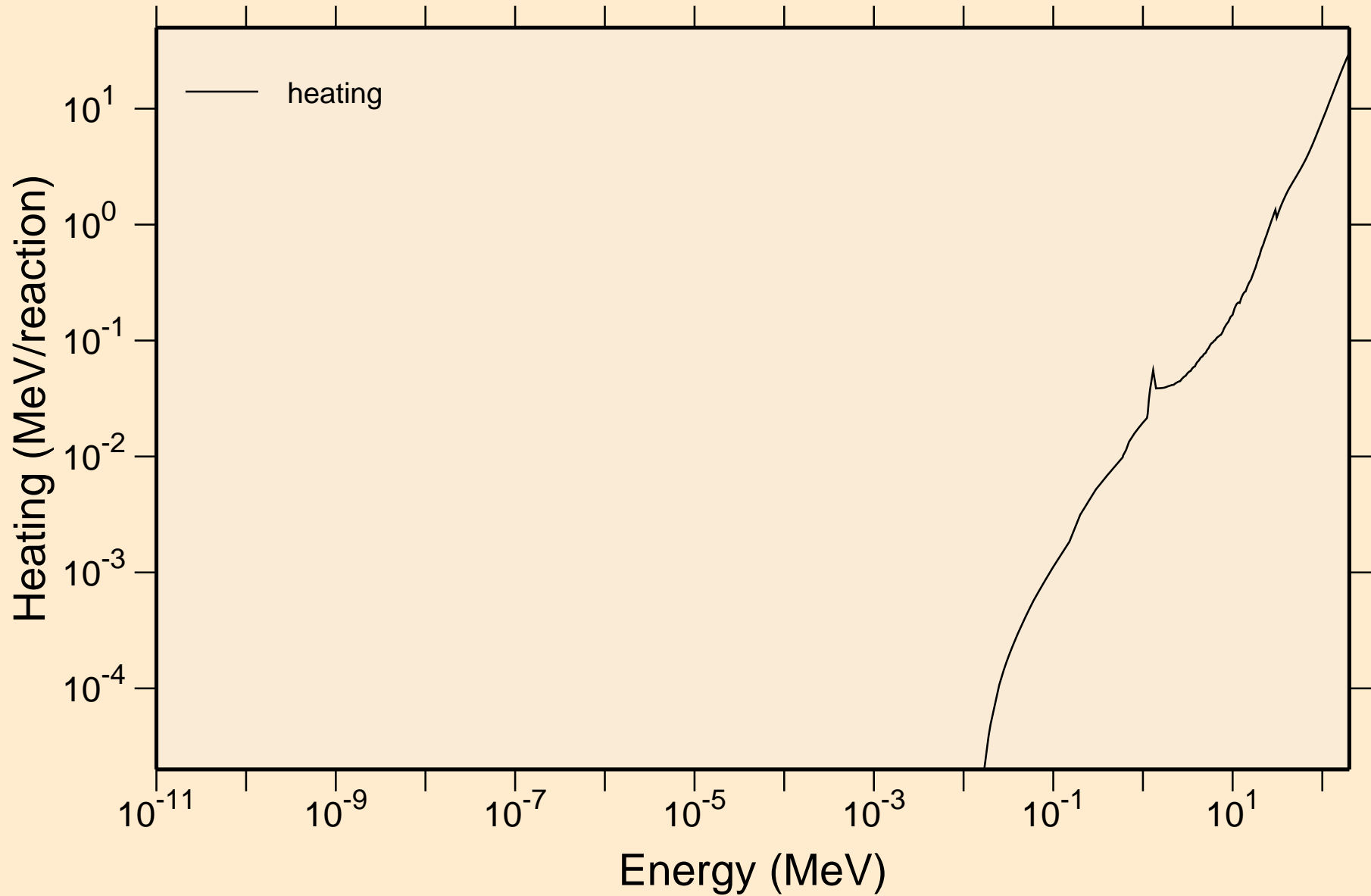




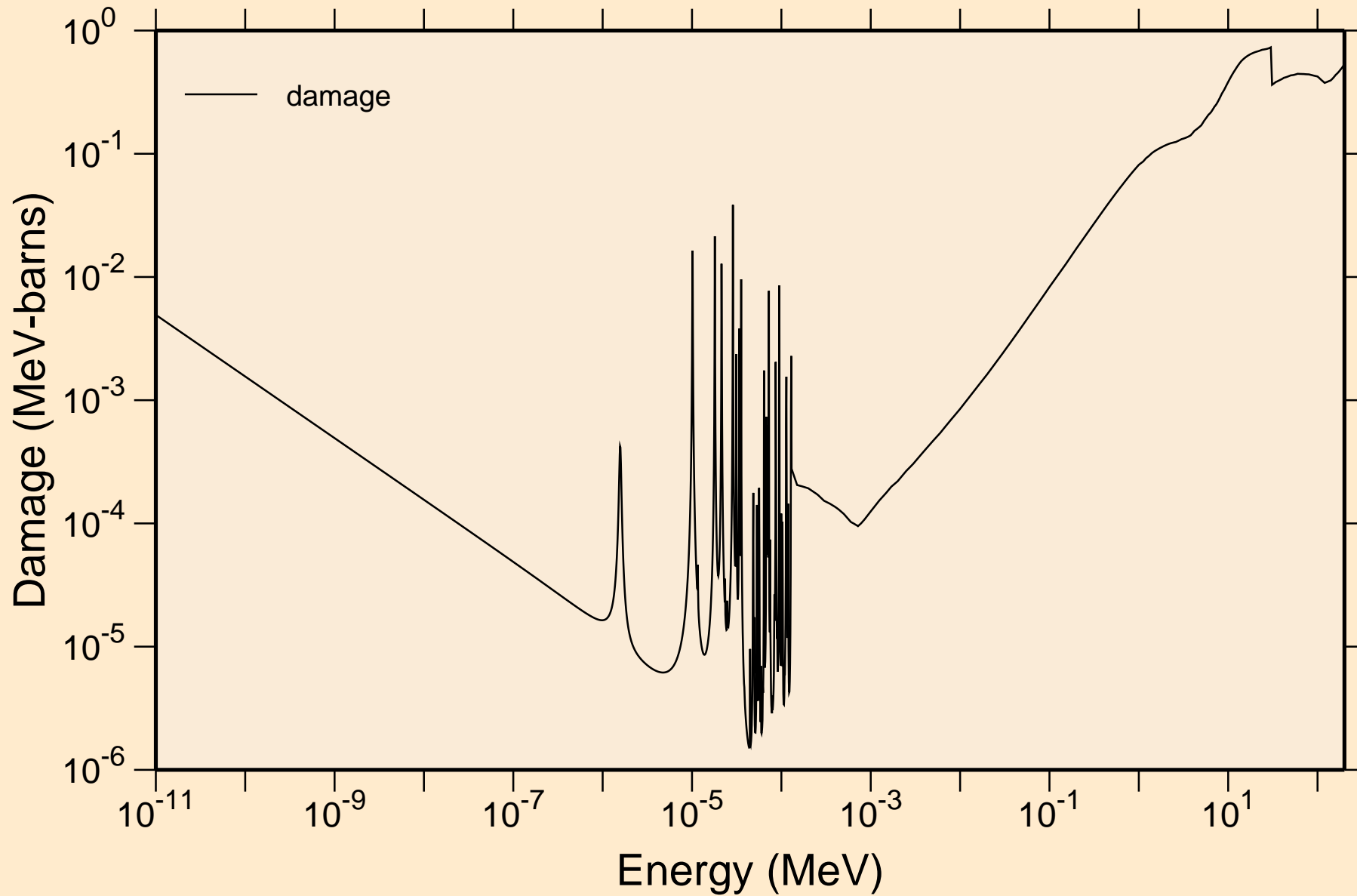
IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating

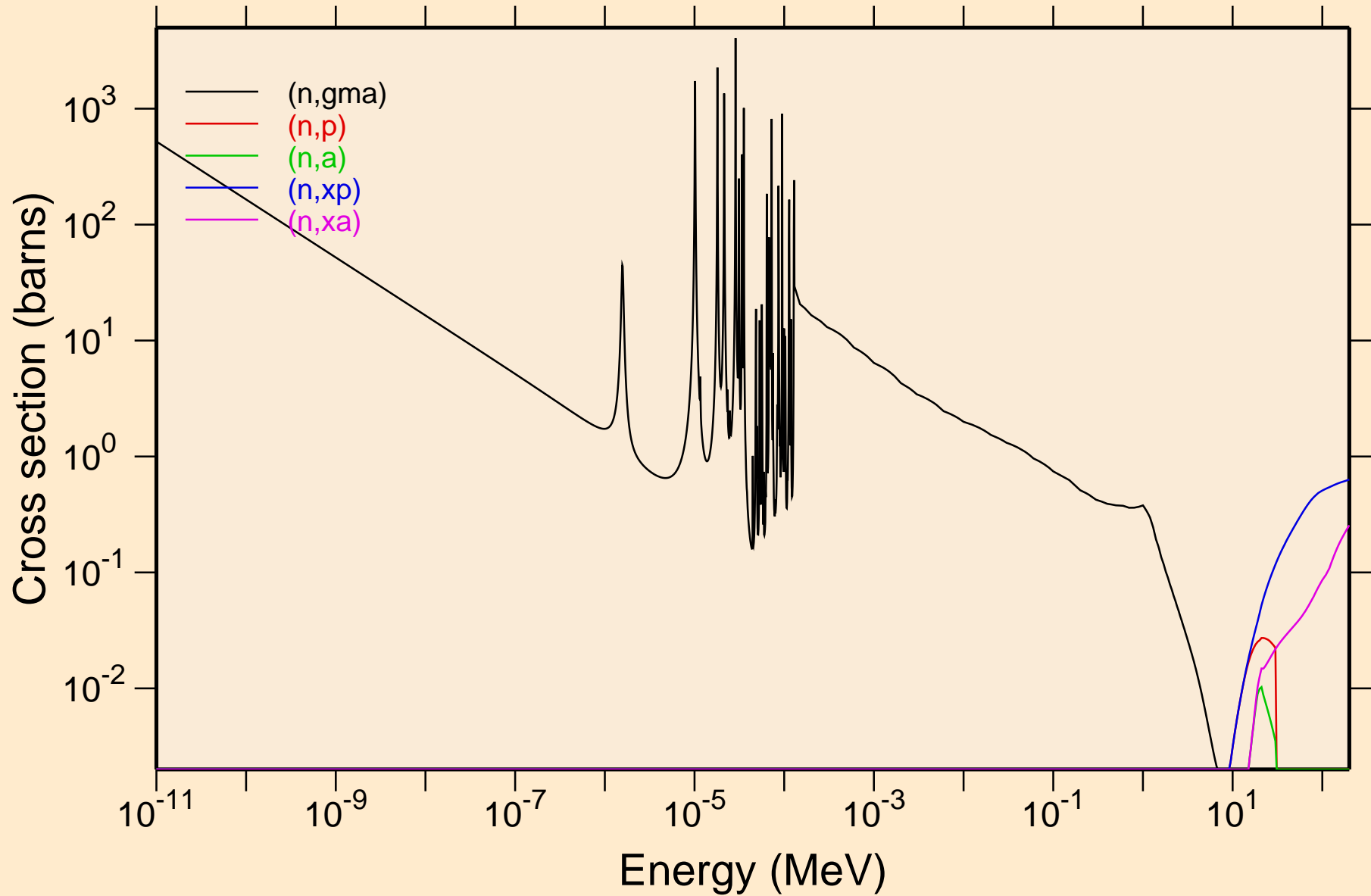


IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



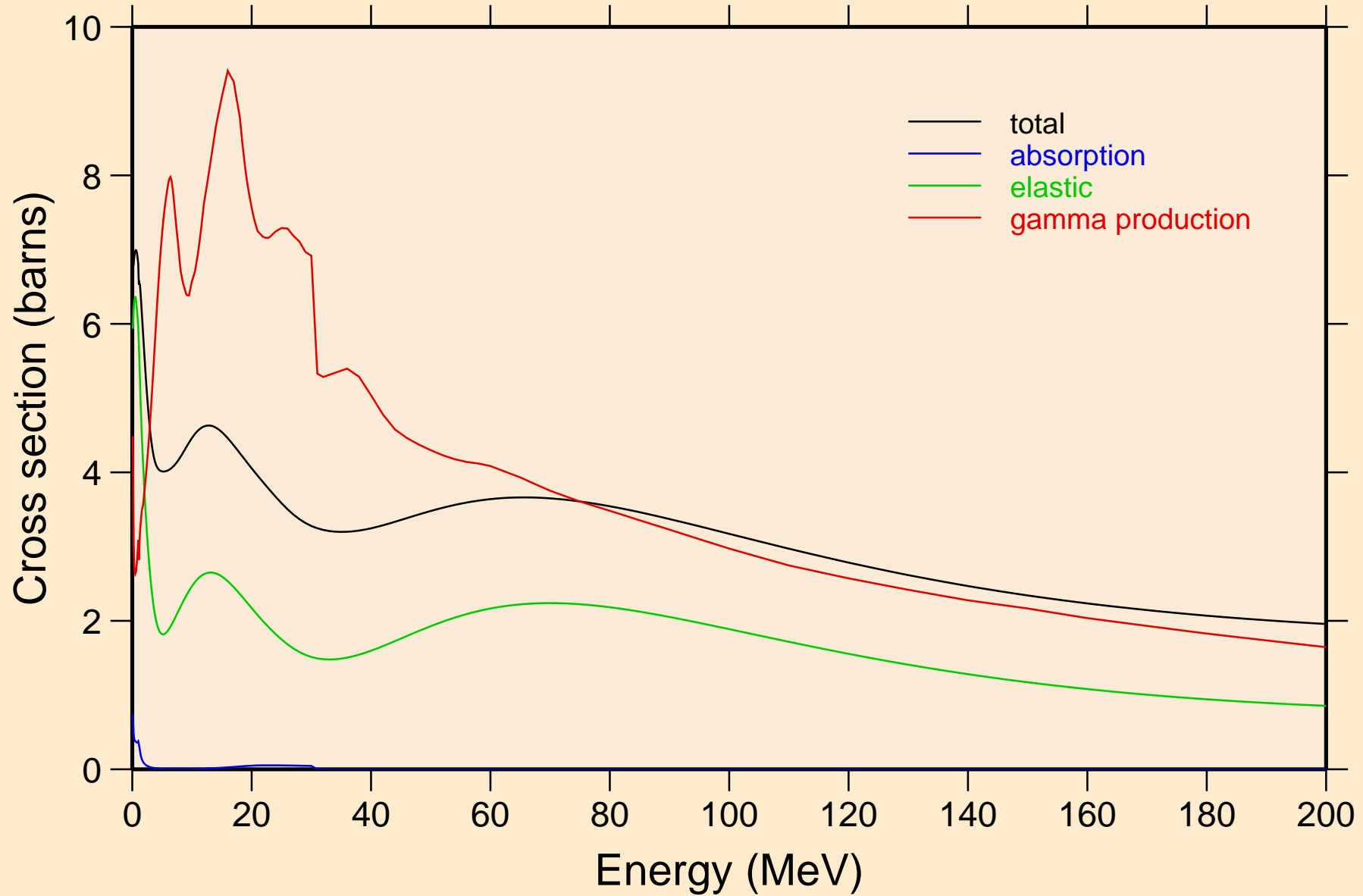
# IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions



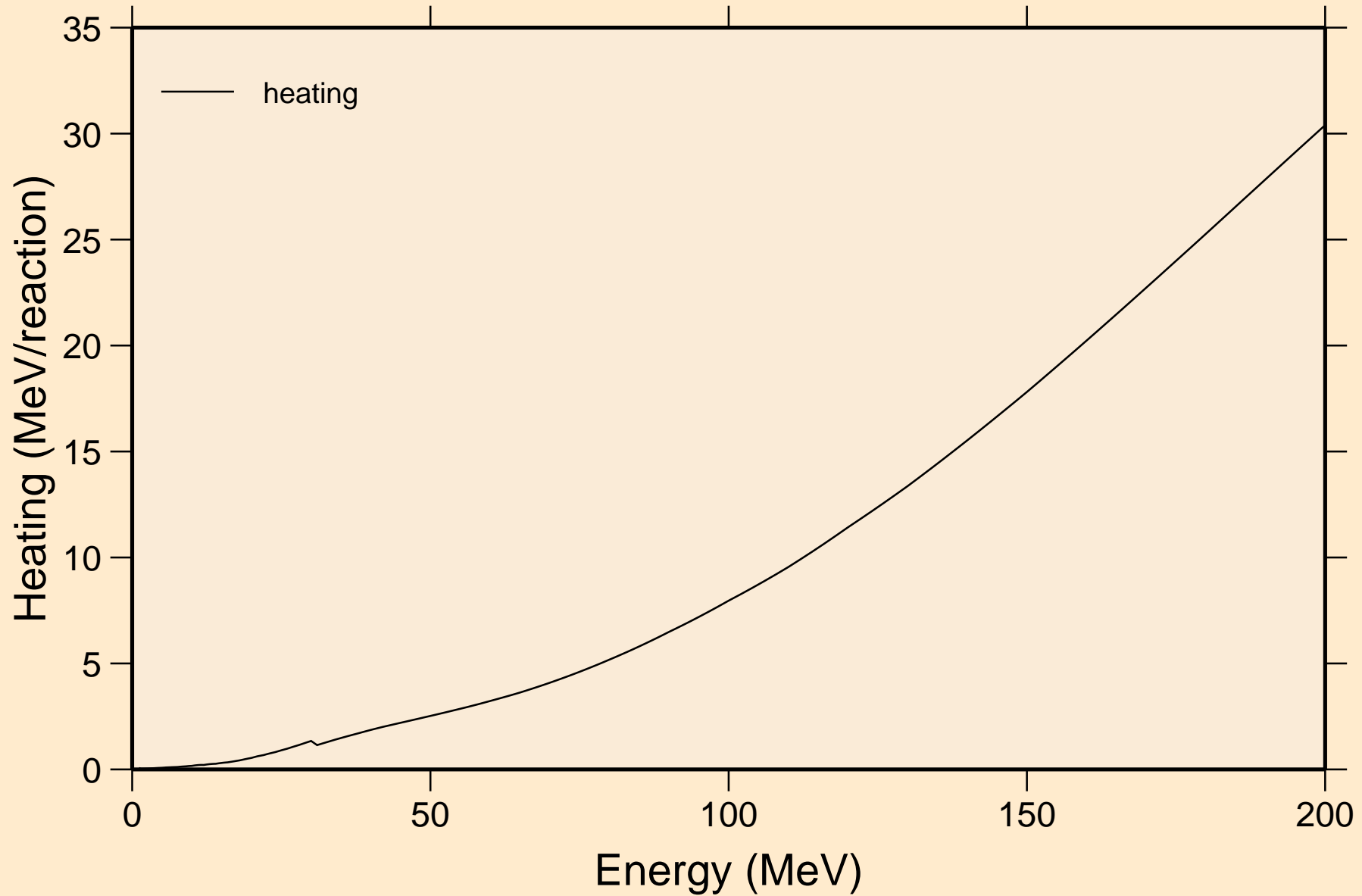
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## Principal cross sections



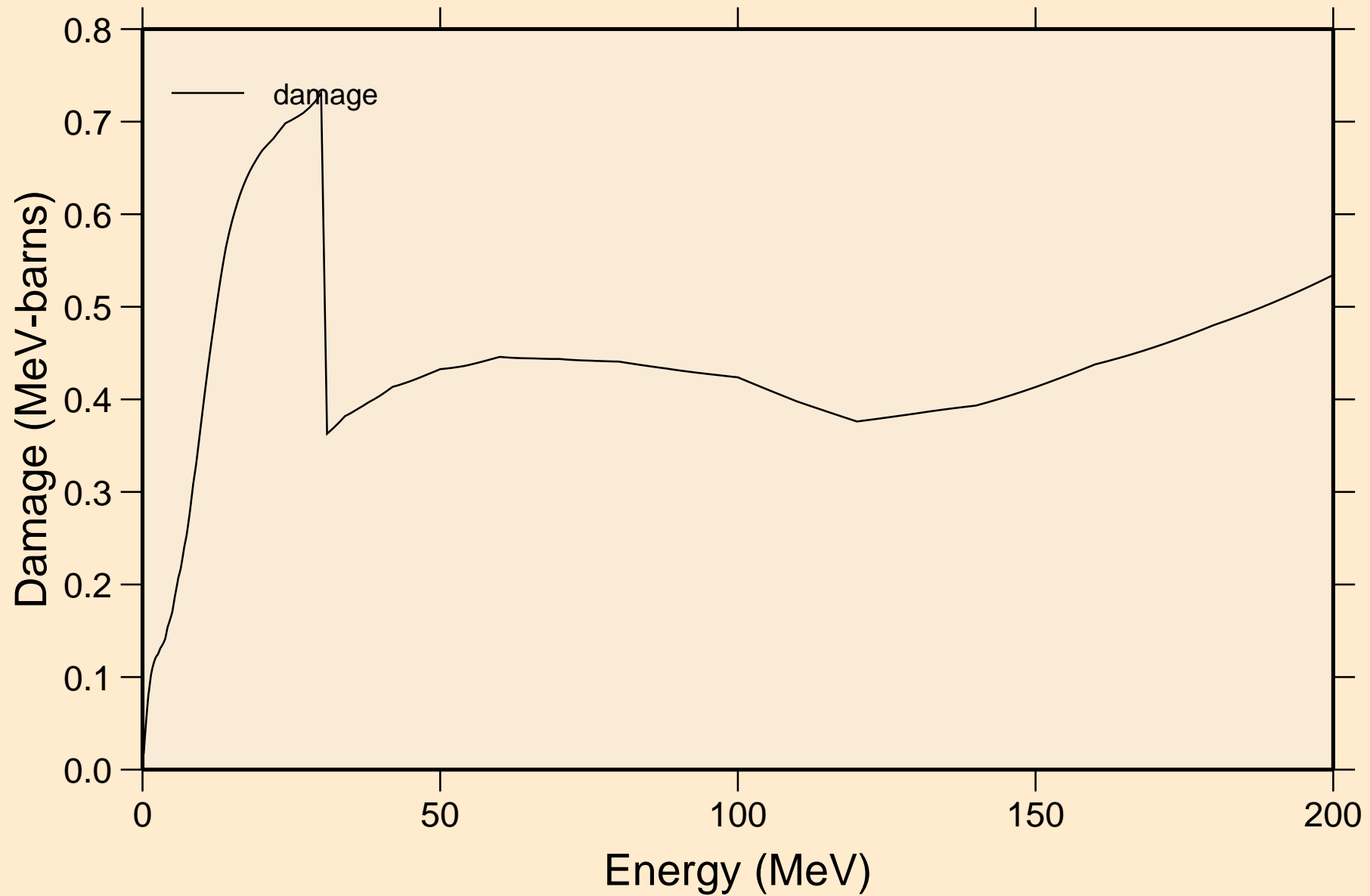
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## Heating

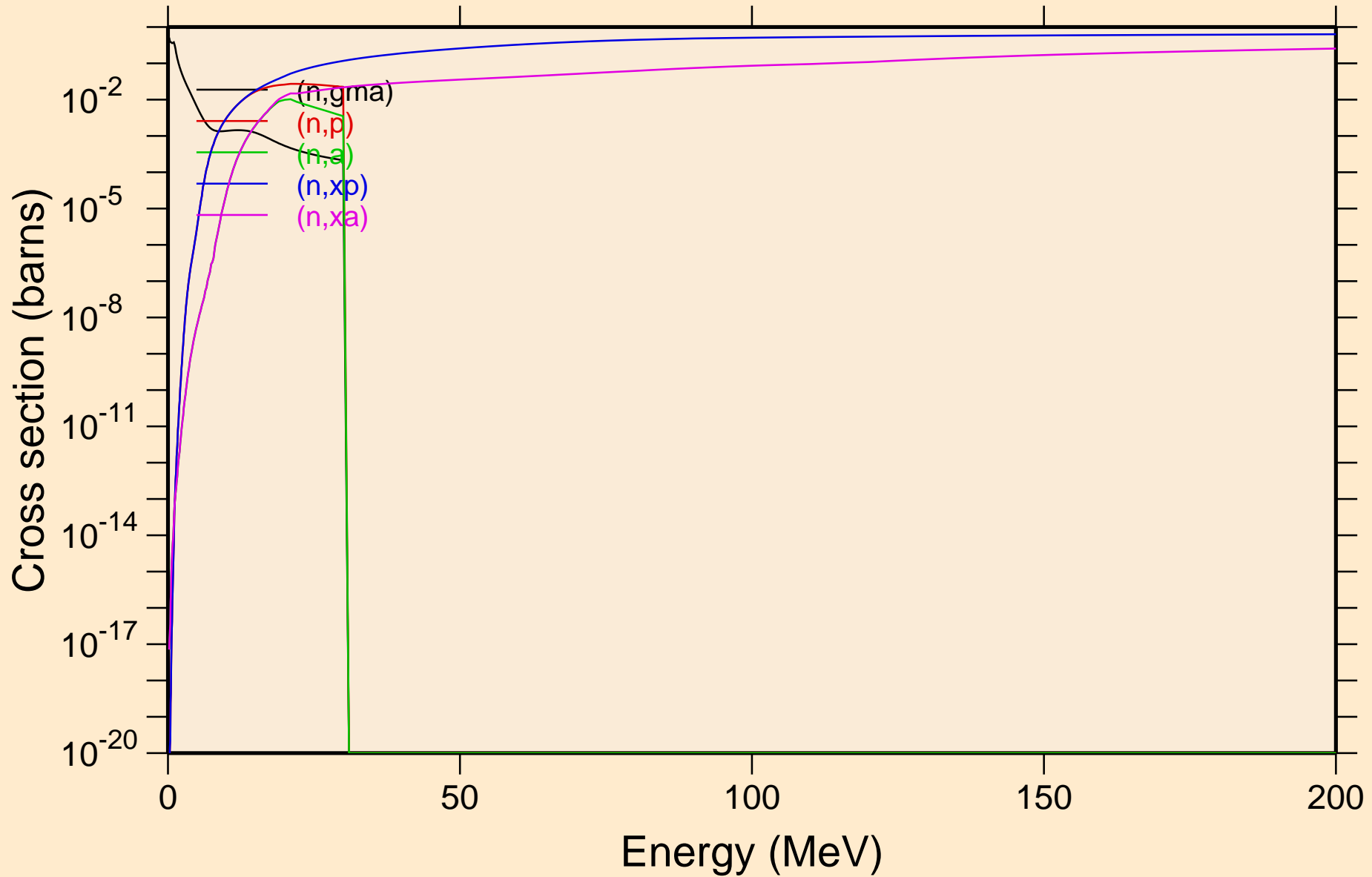


# IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage



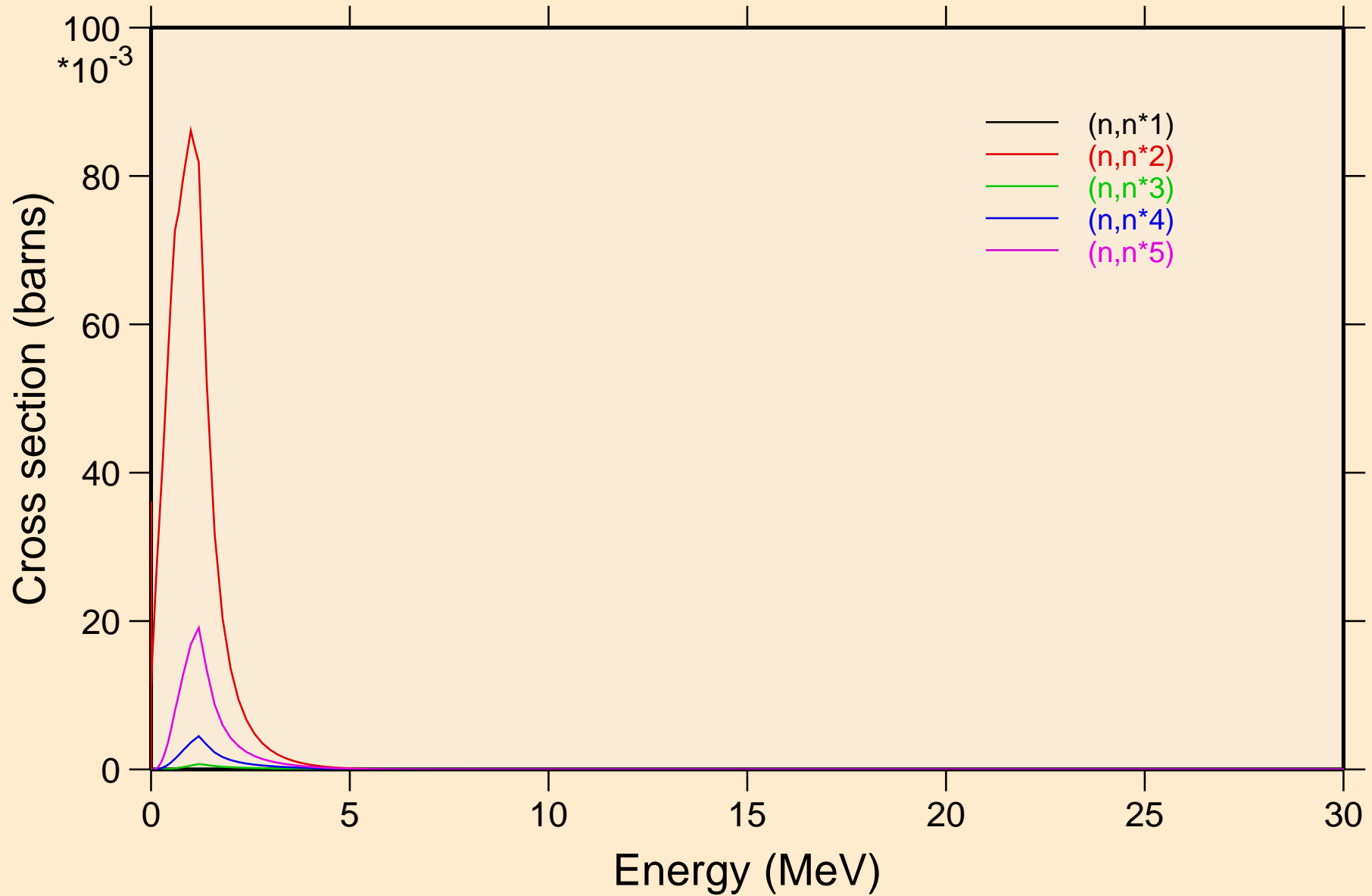
IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions





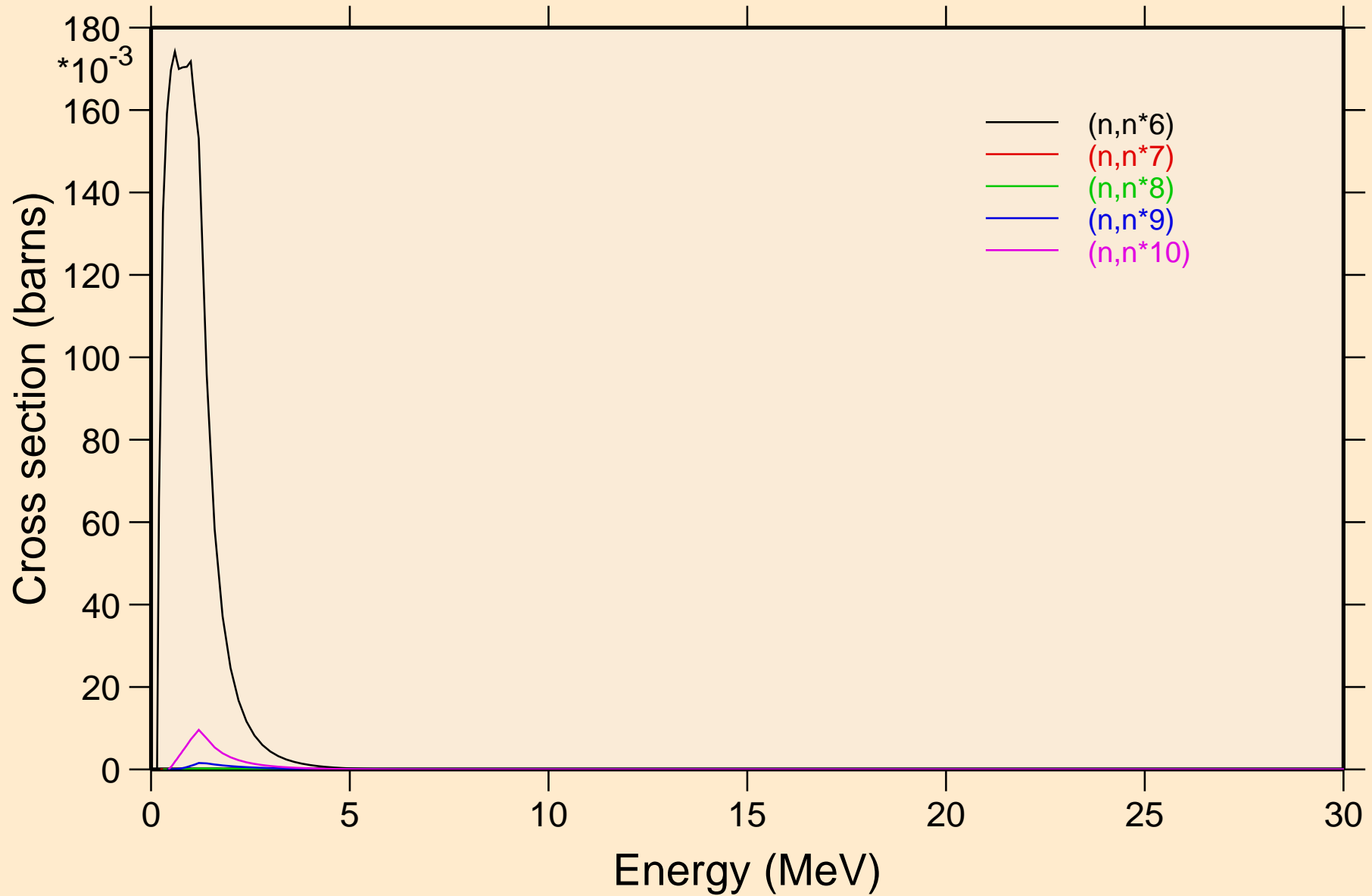
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## Inelastic levels



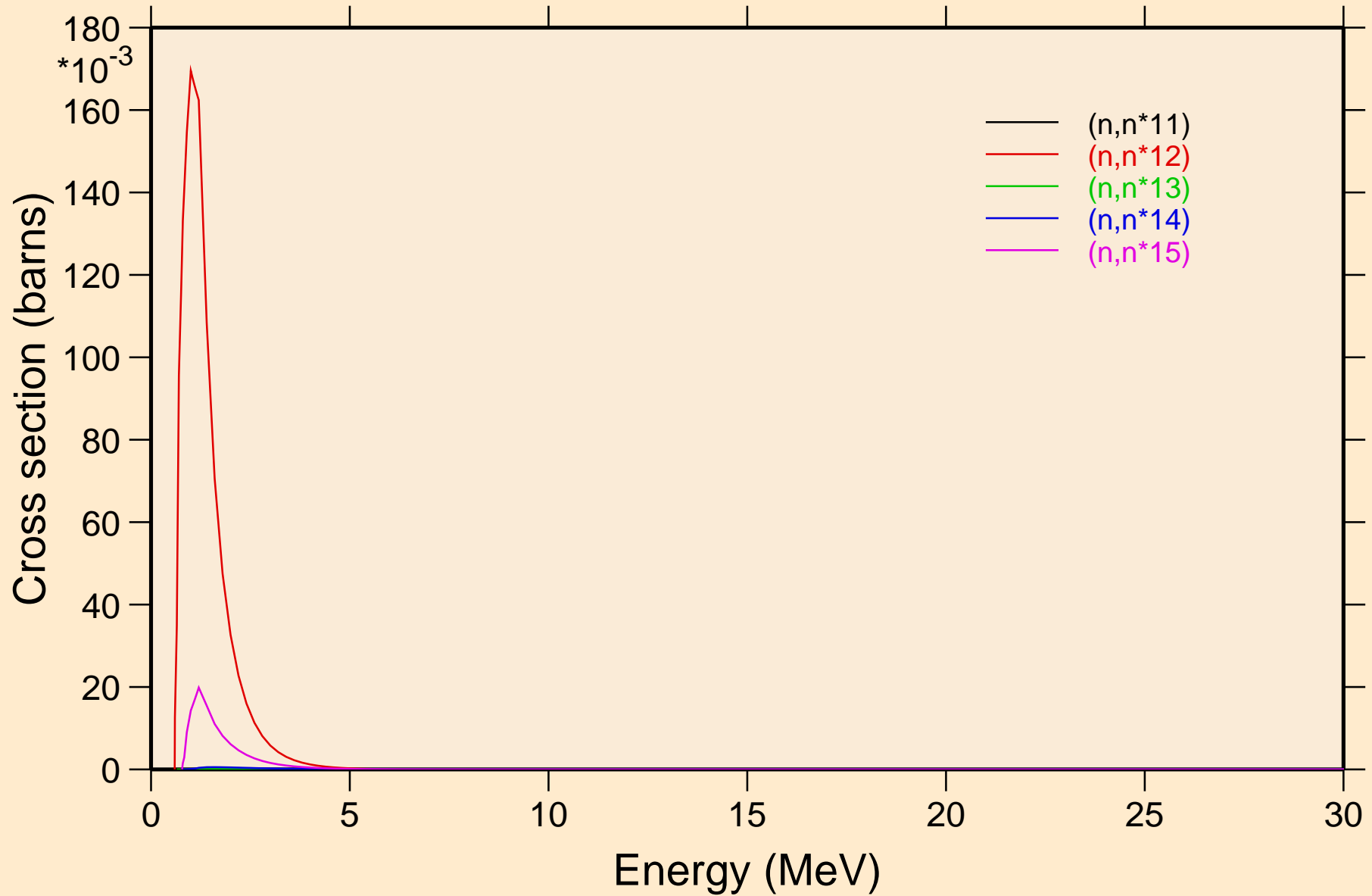
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## Inelastic levels



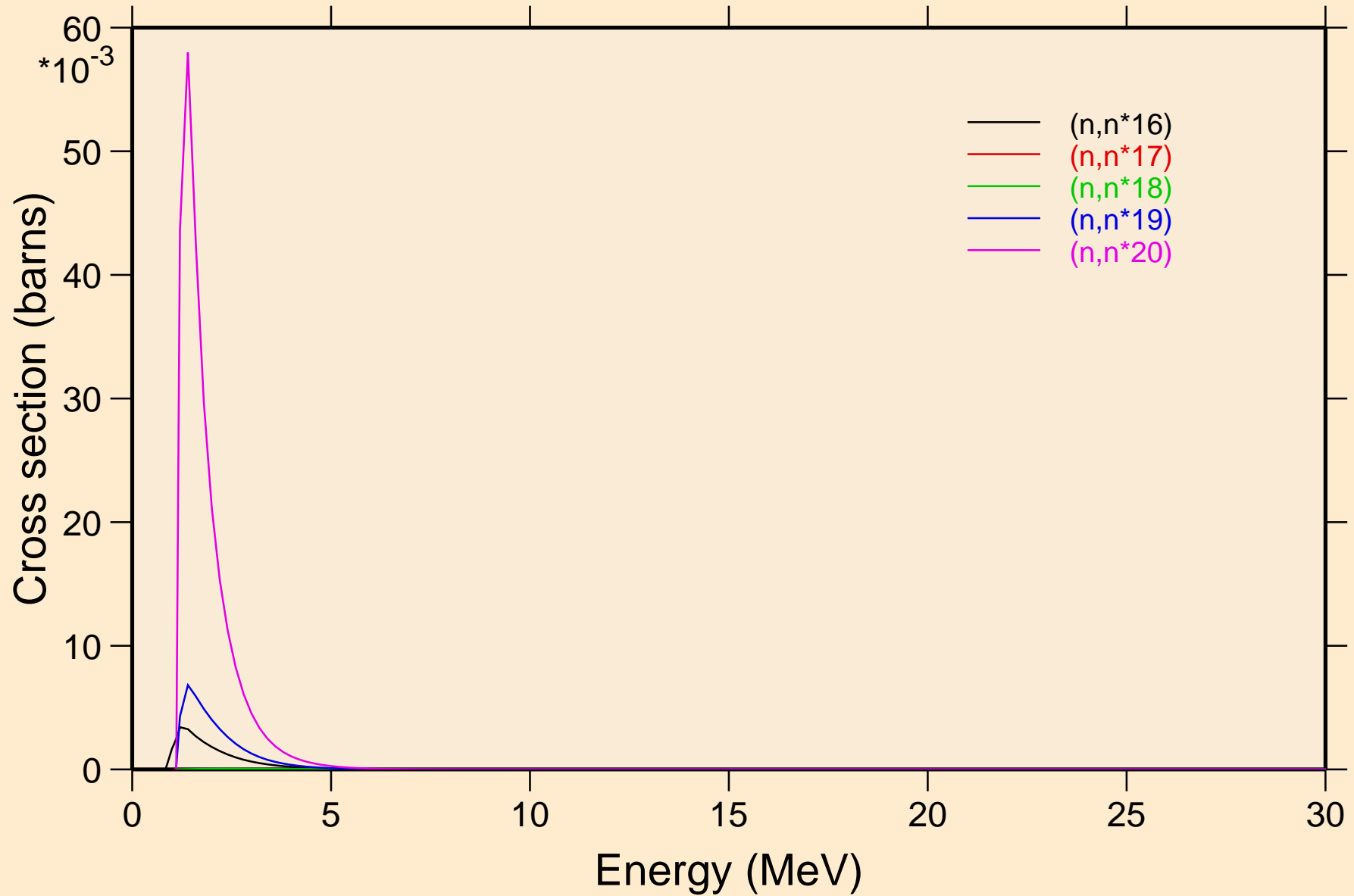
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## Inelastic levels

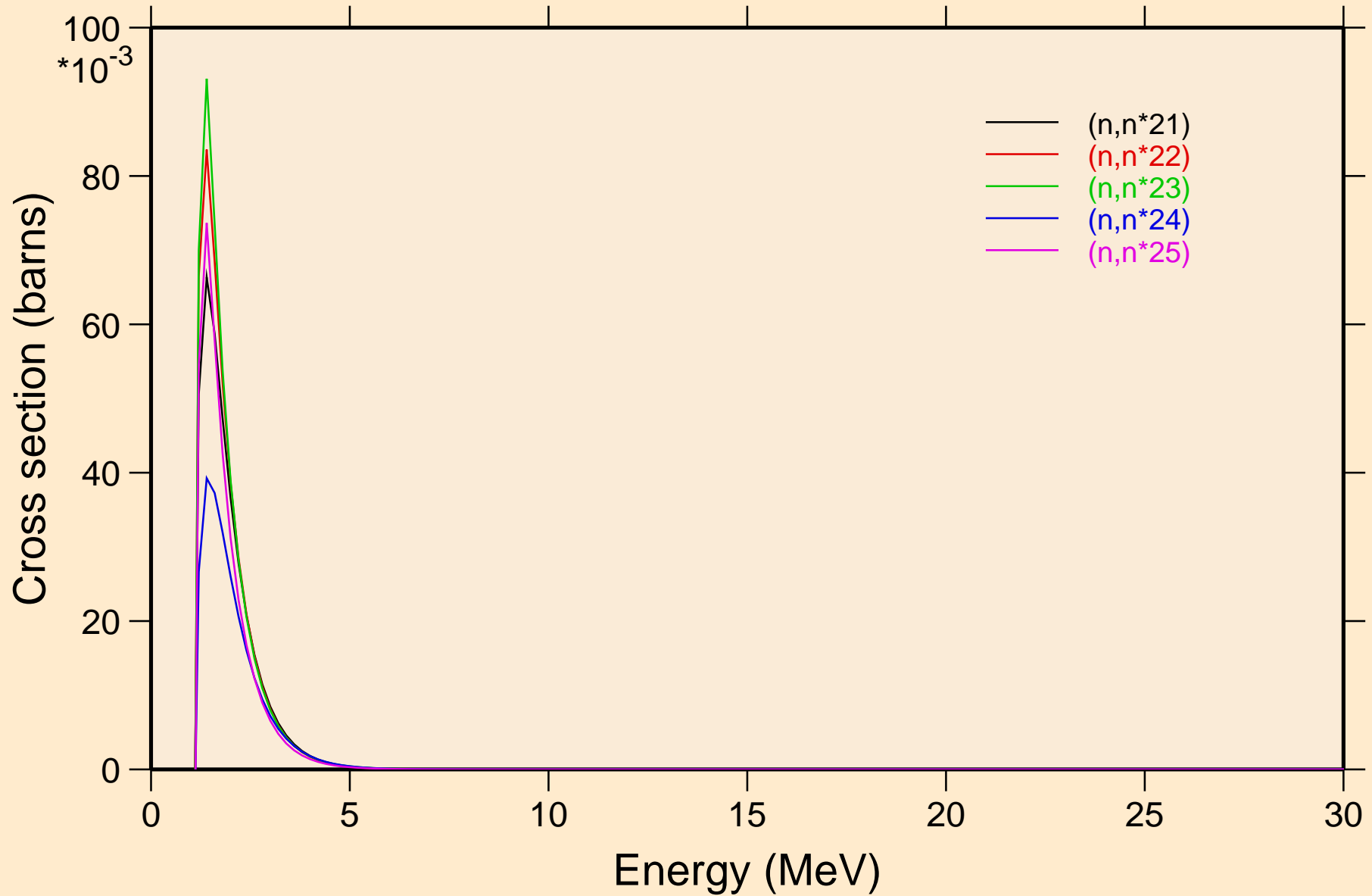


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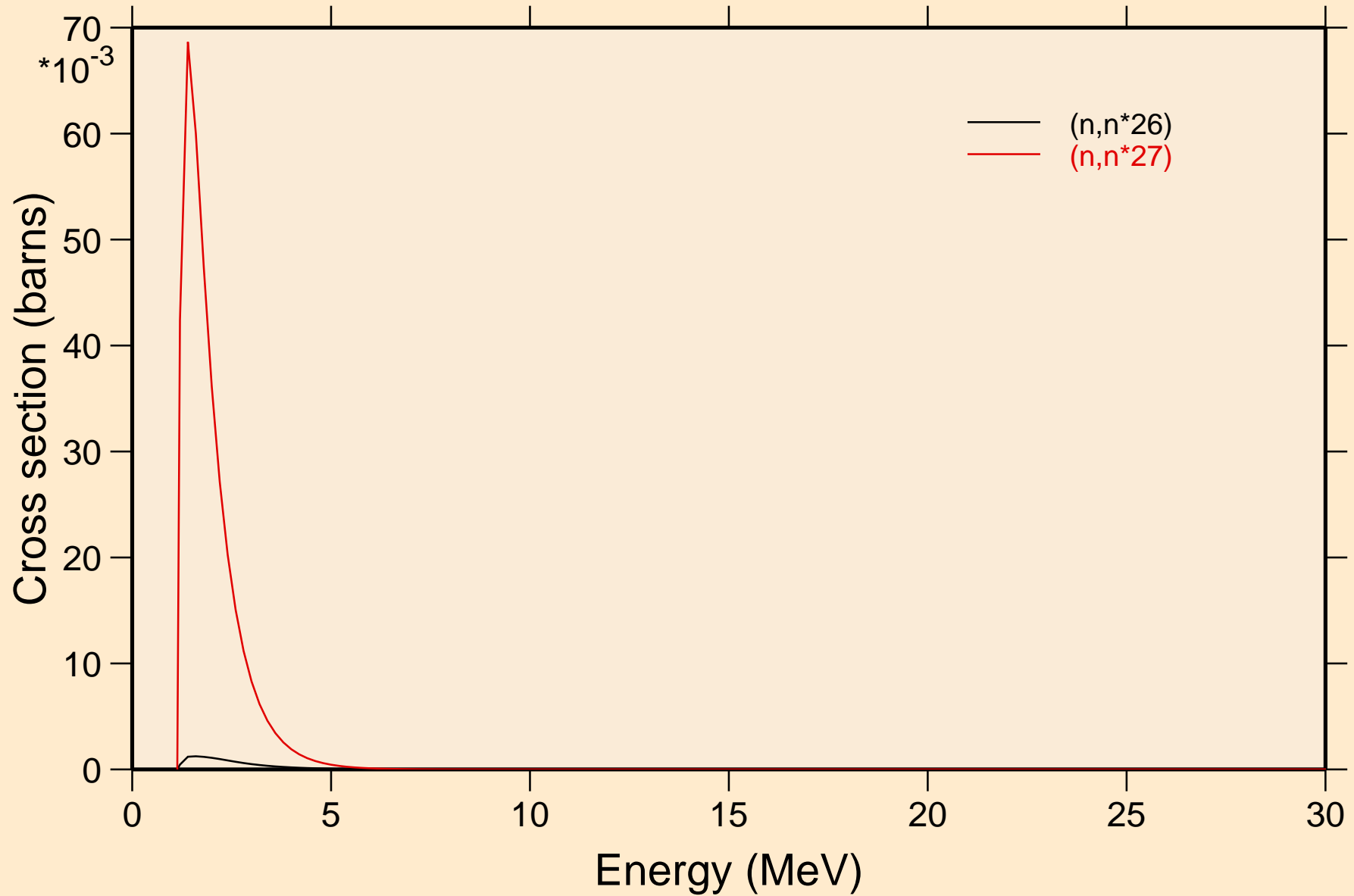
## Inelastic levels



IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

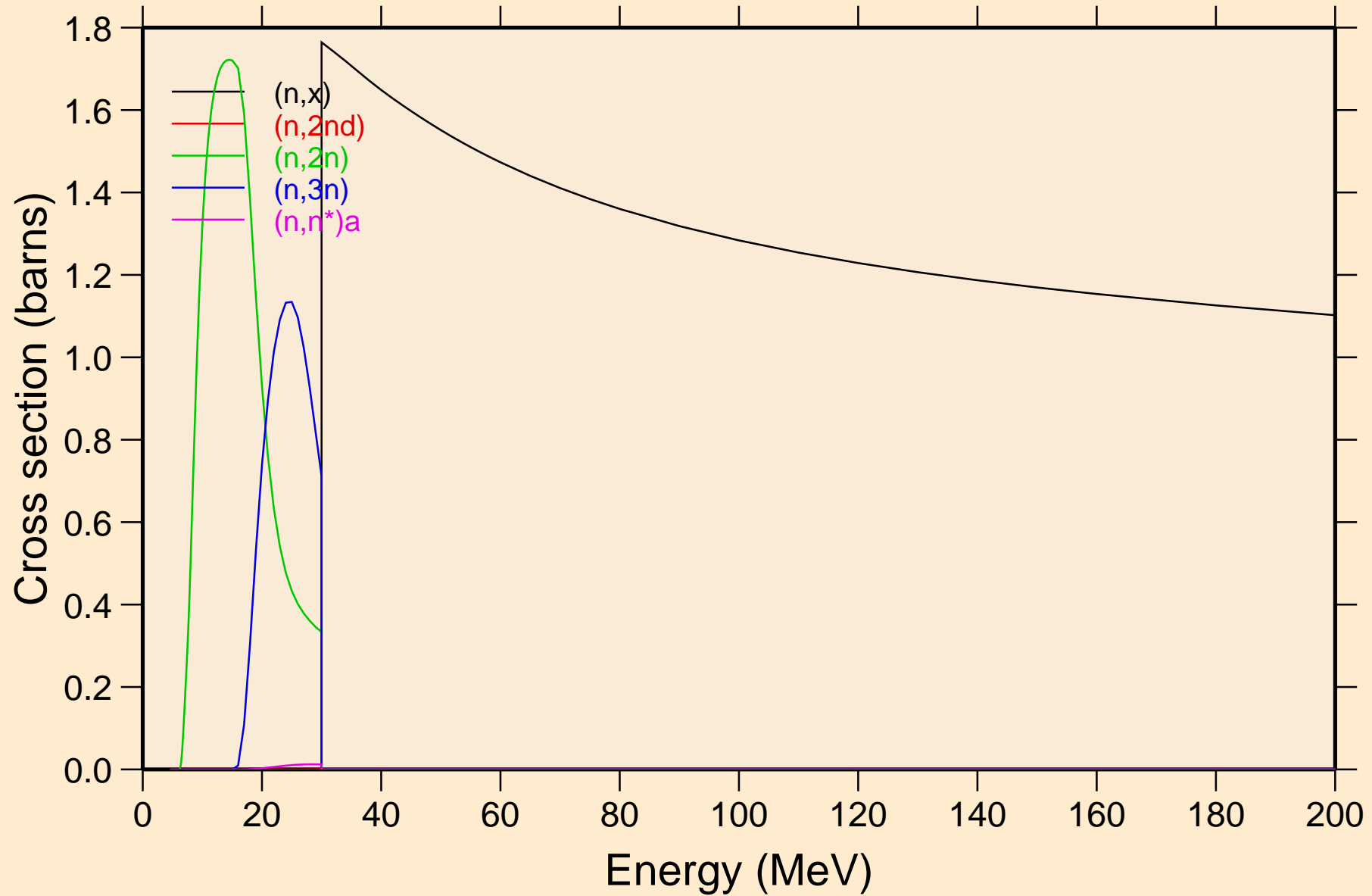


IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



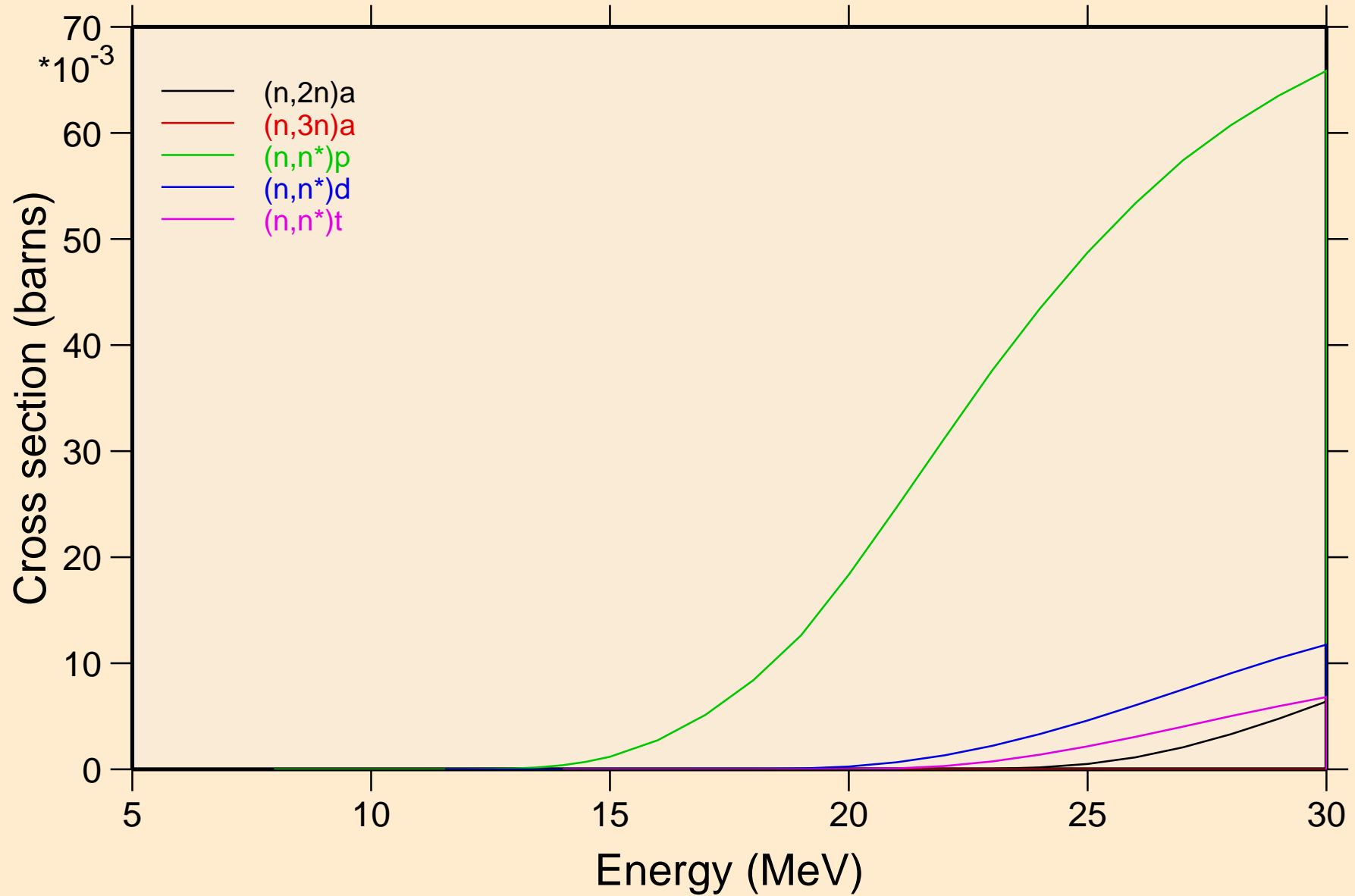
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## Threshold reactions



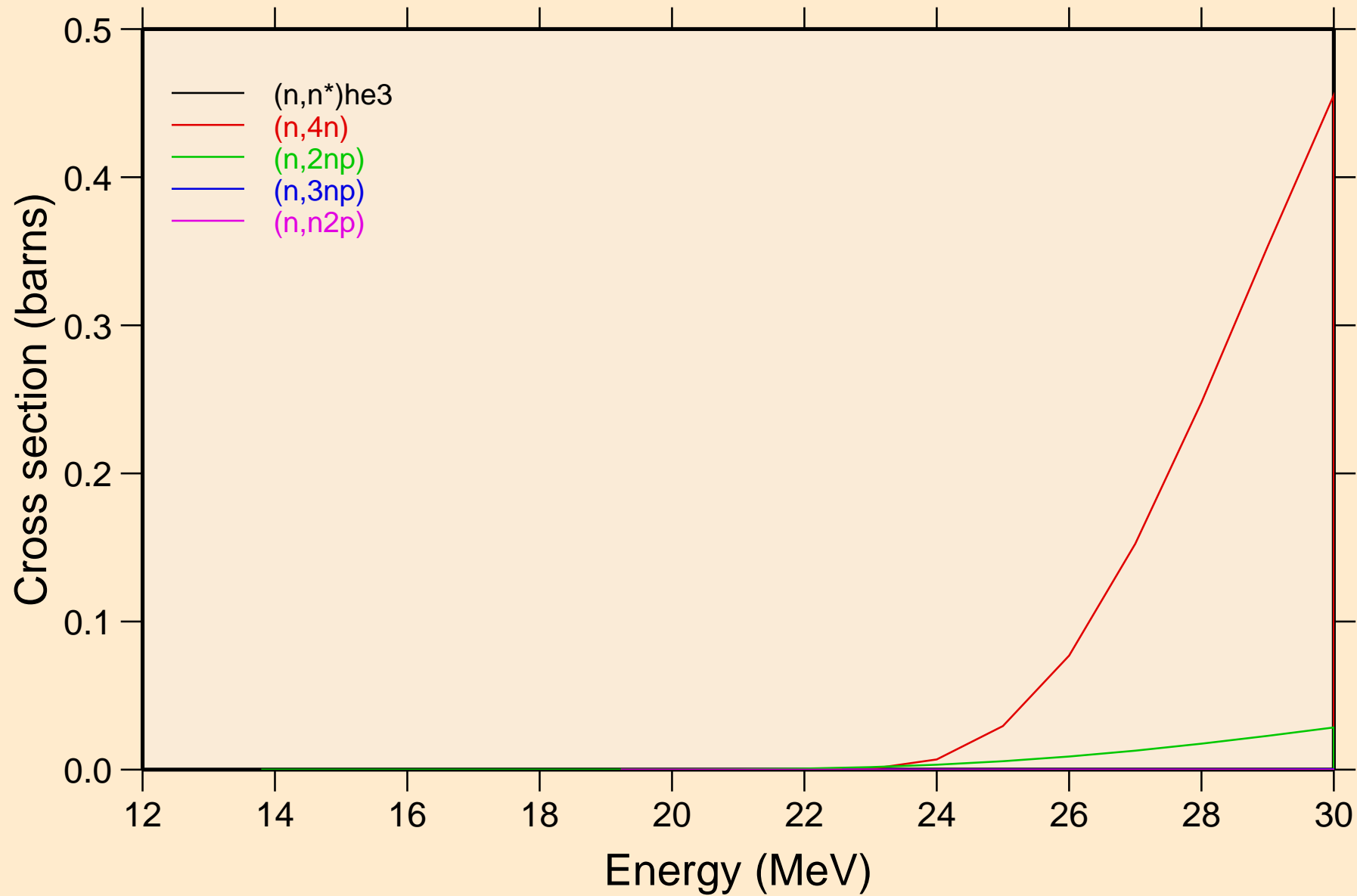
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## Threshold reactions



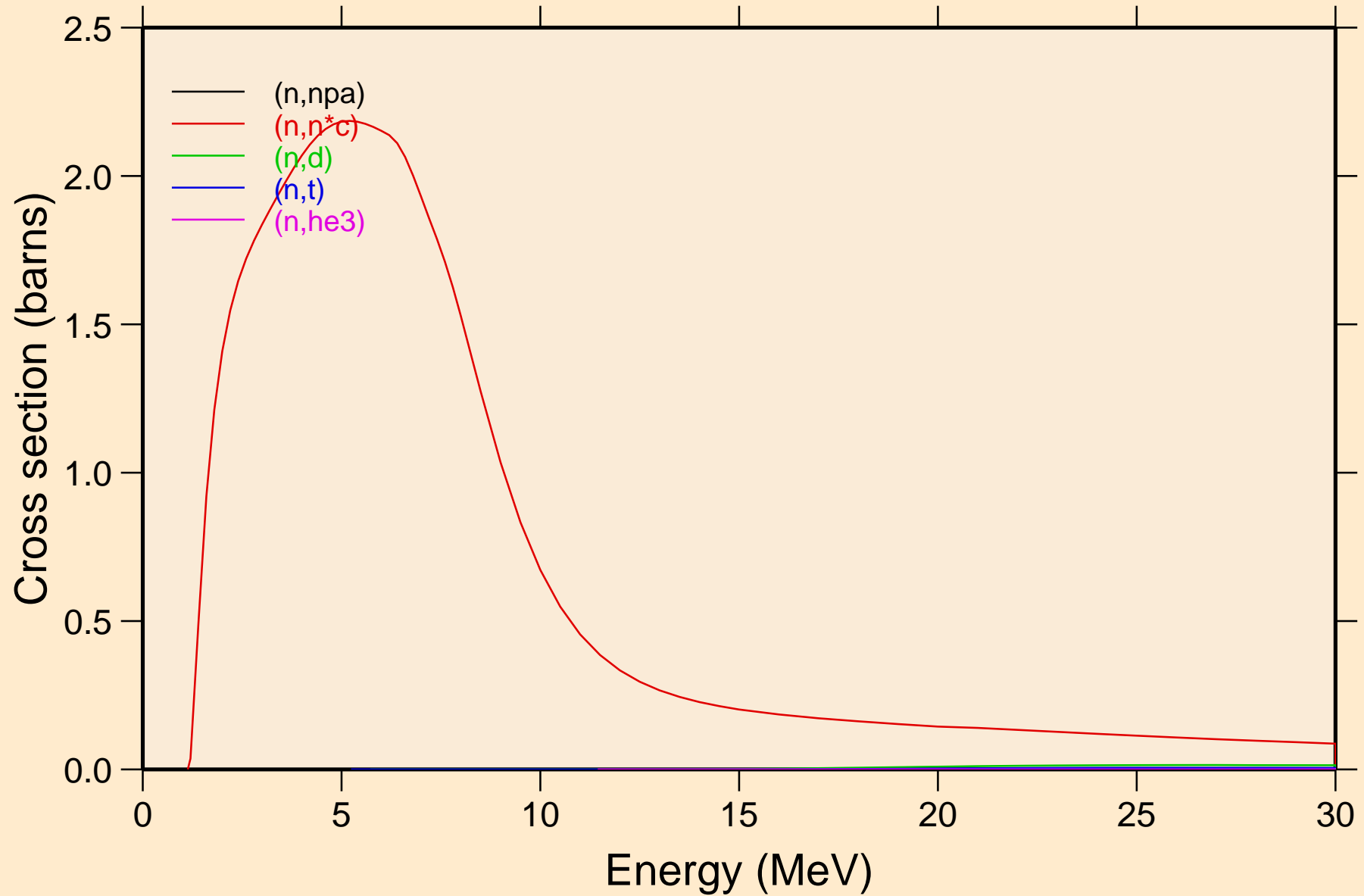


IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



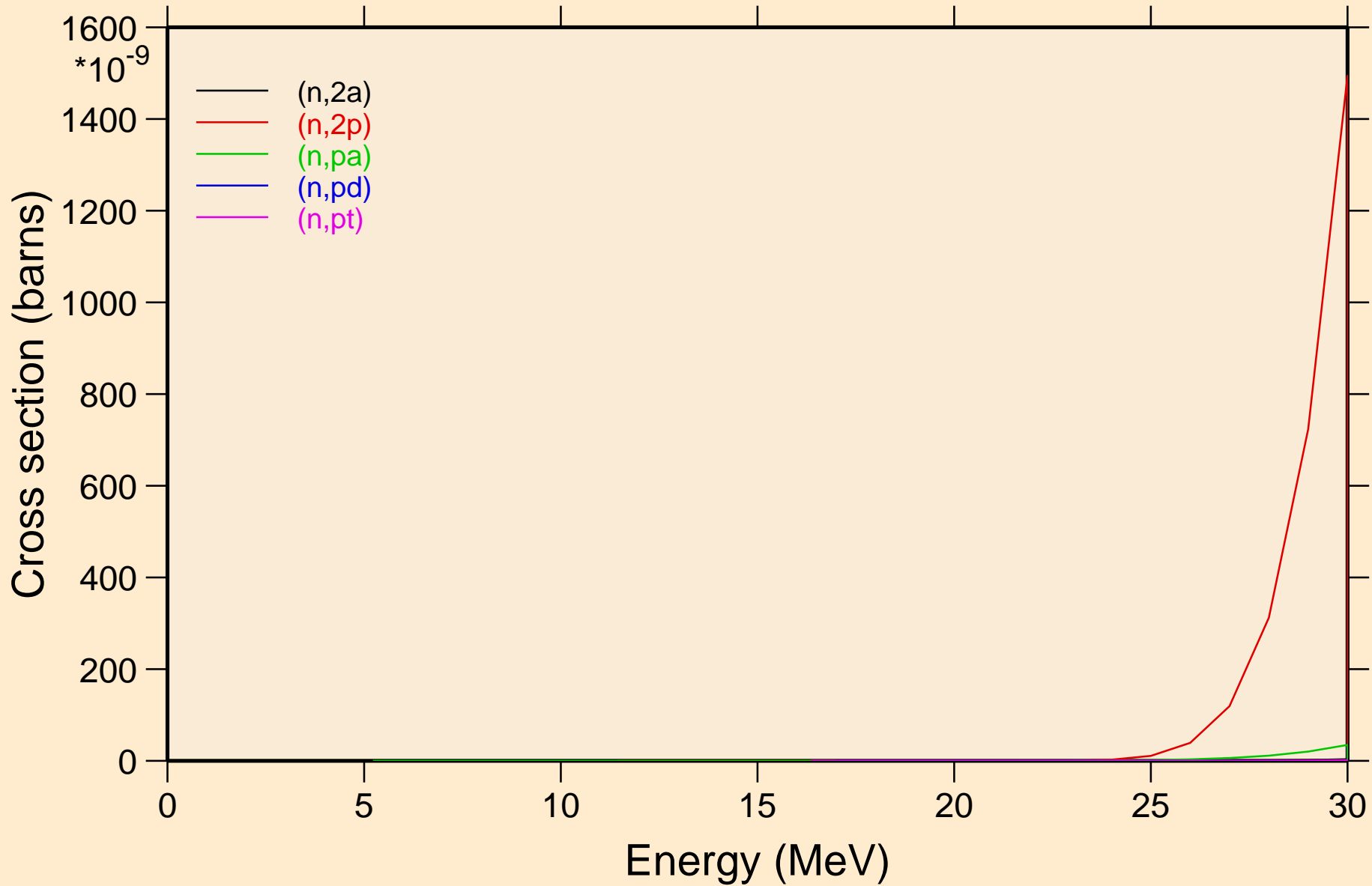
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## Threshold reactions



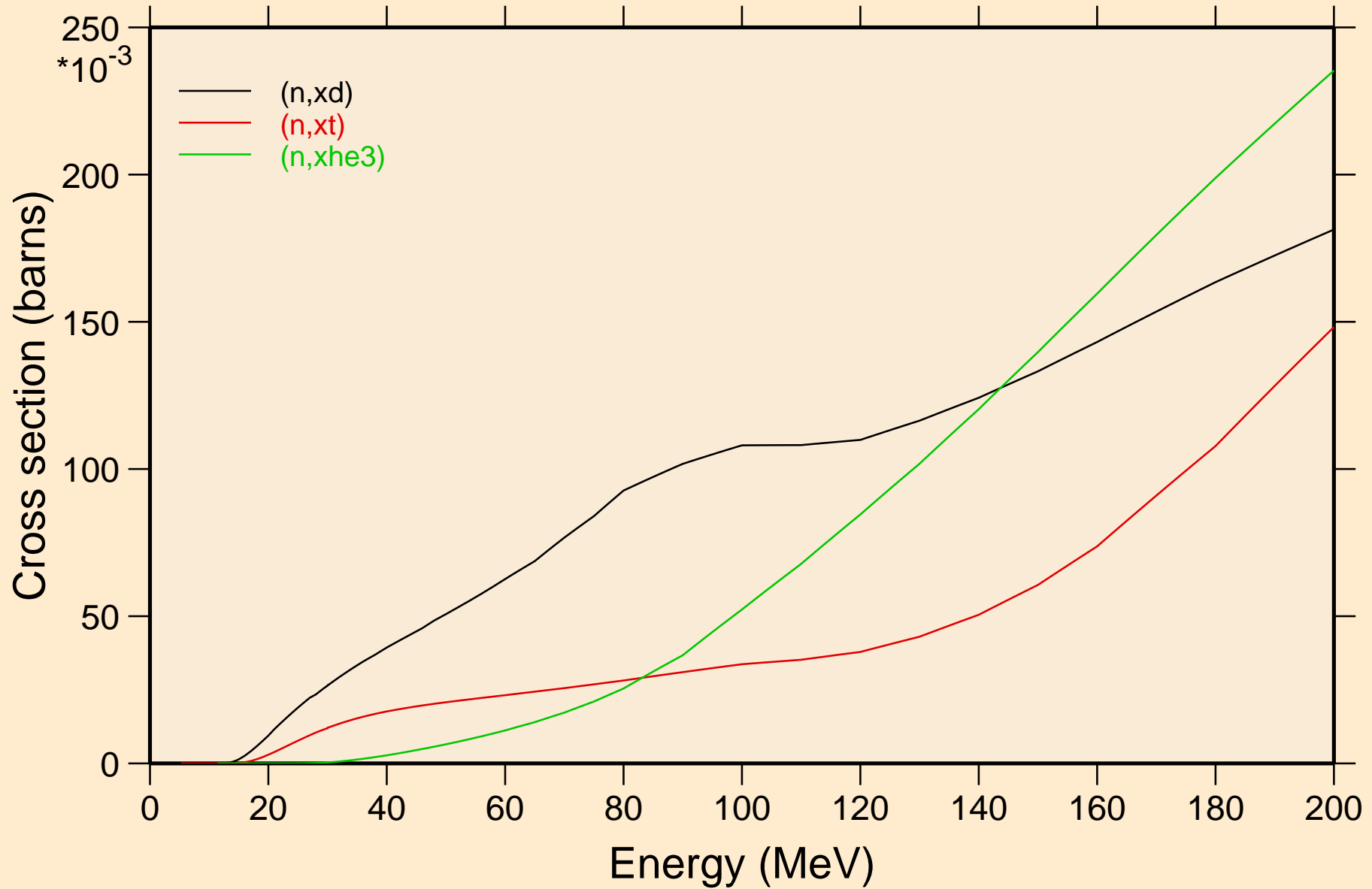
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## Threshold reactions

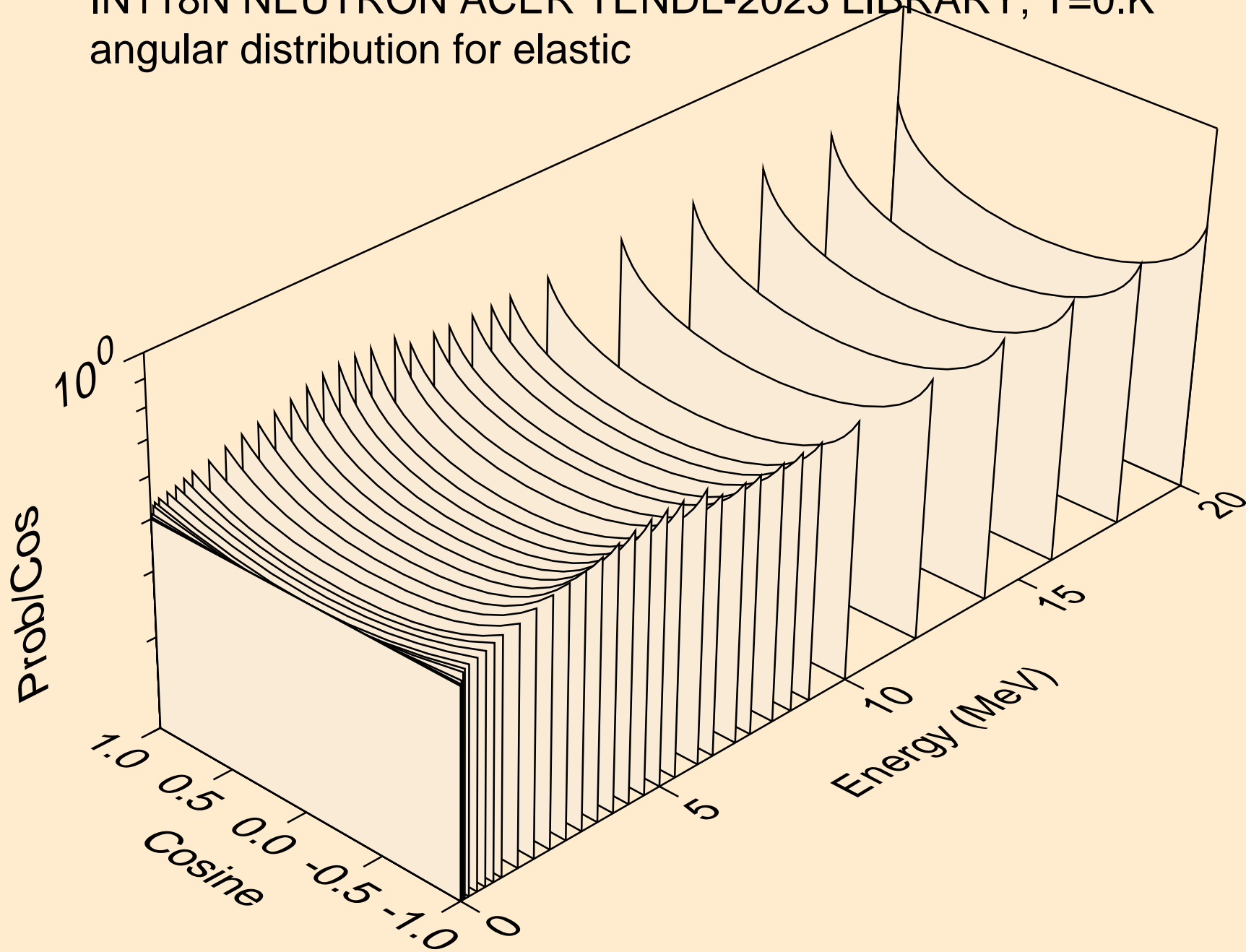


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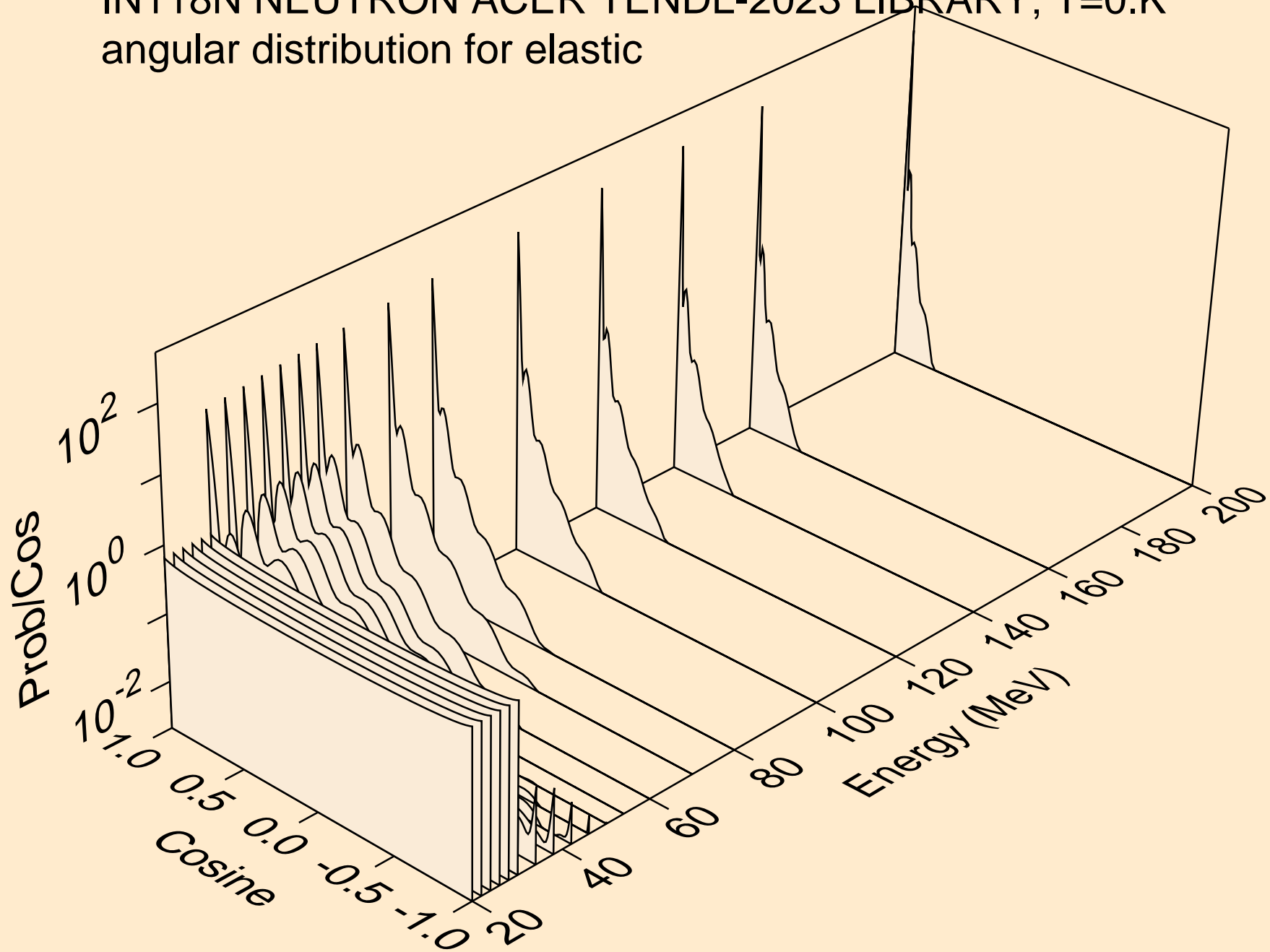
## Threshold reactions



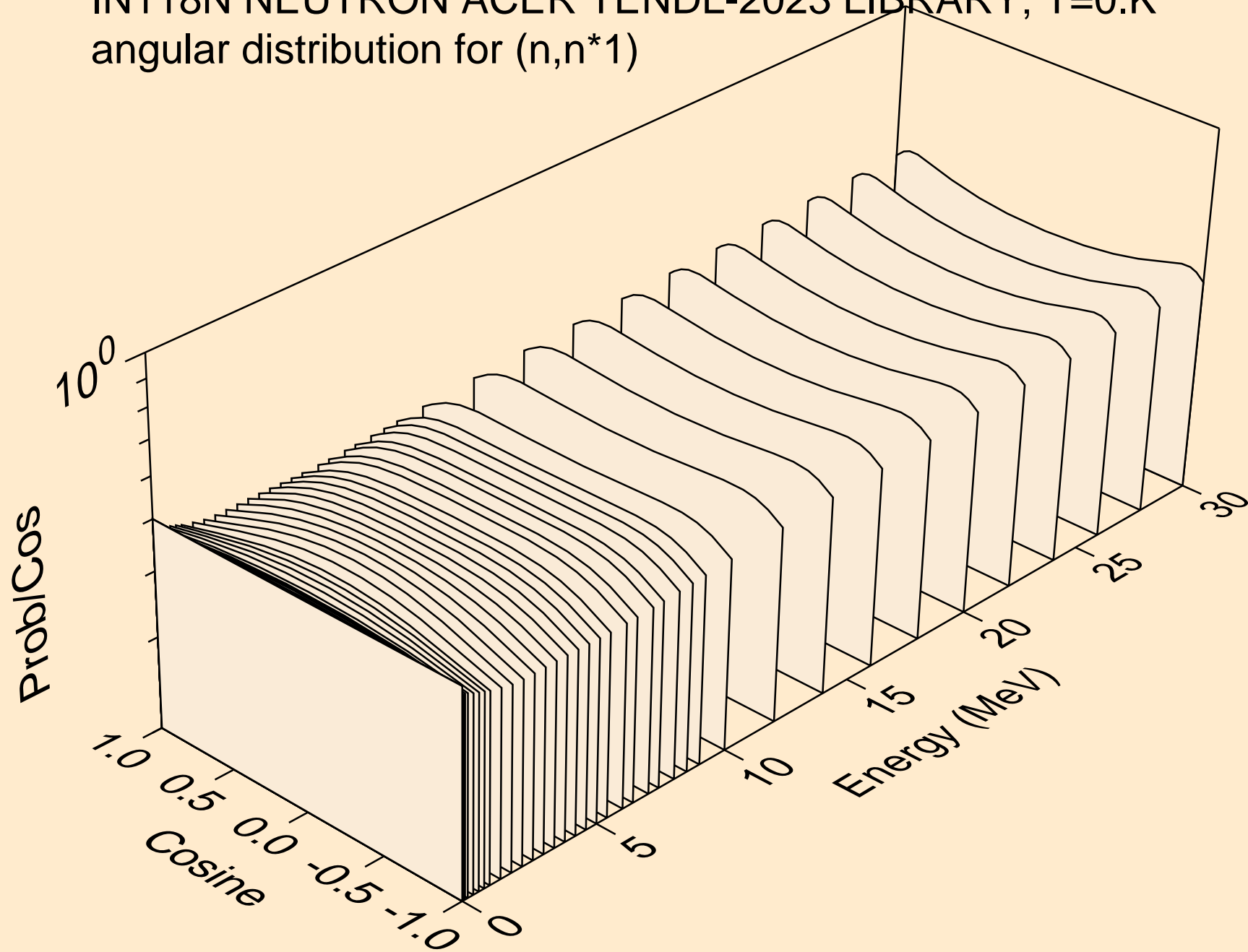
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angular distribution for elastic



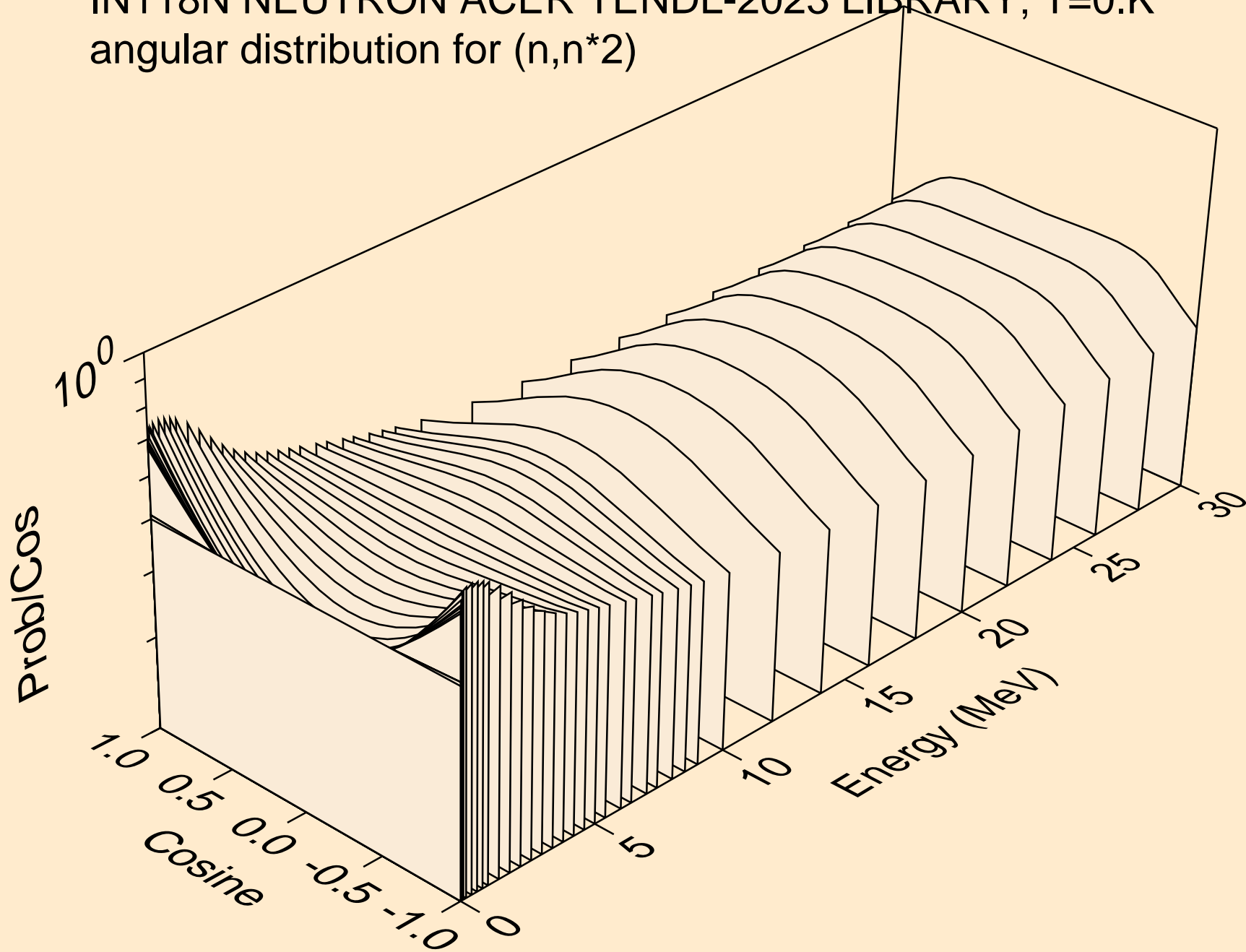
IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

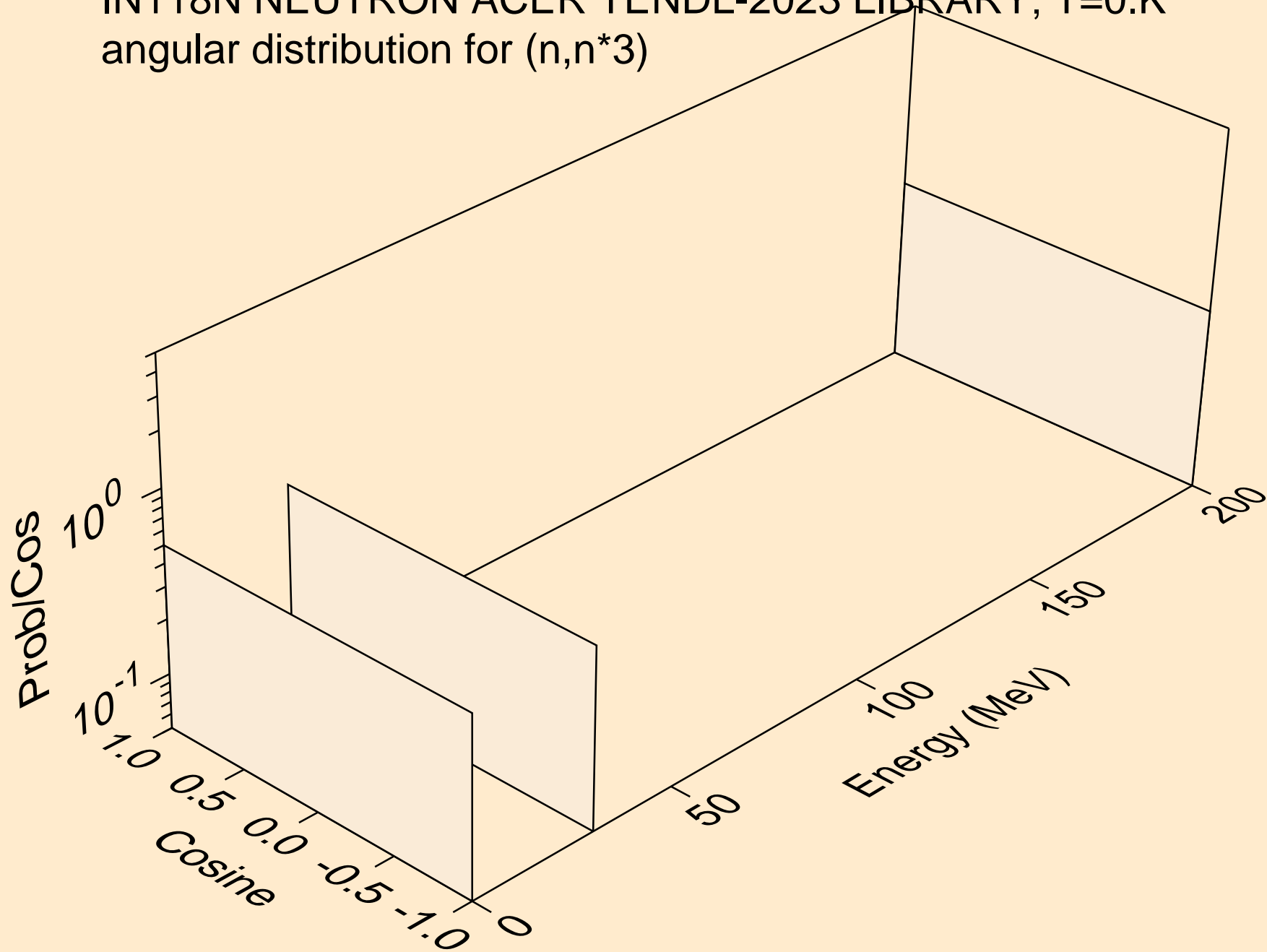


IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

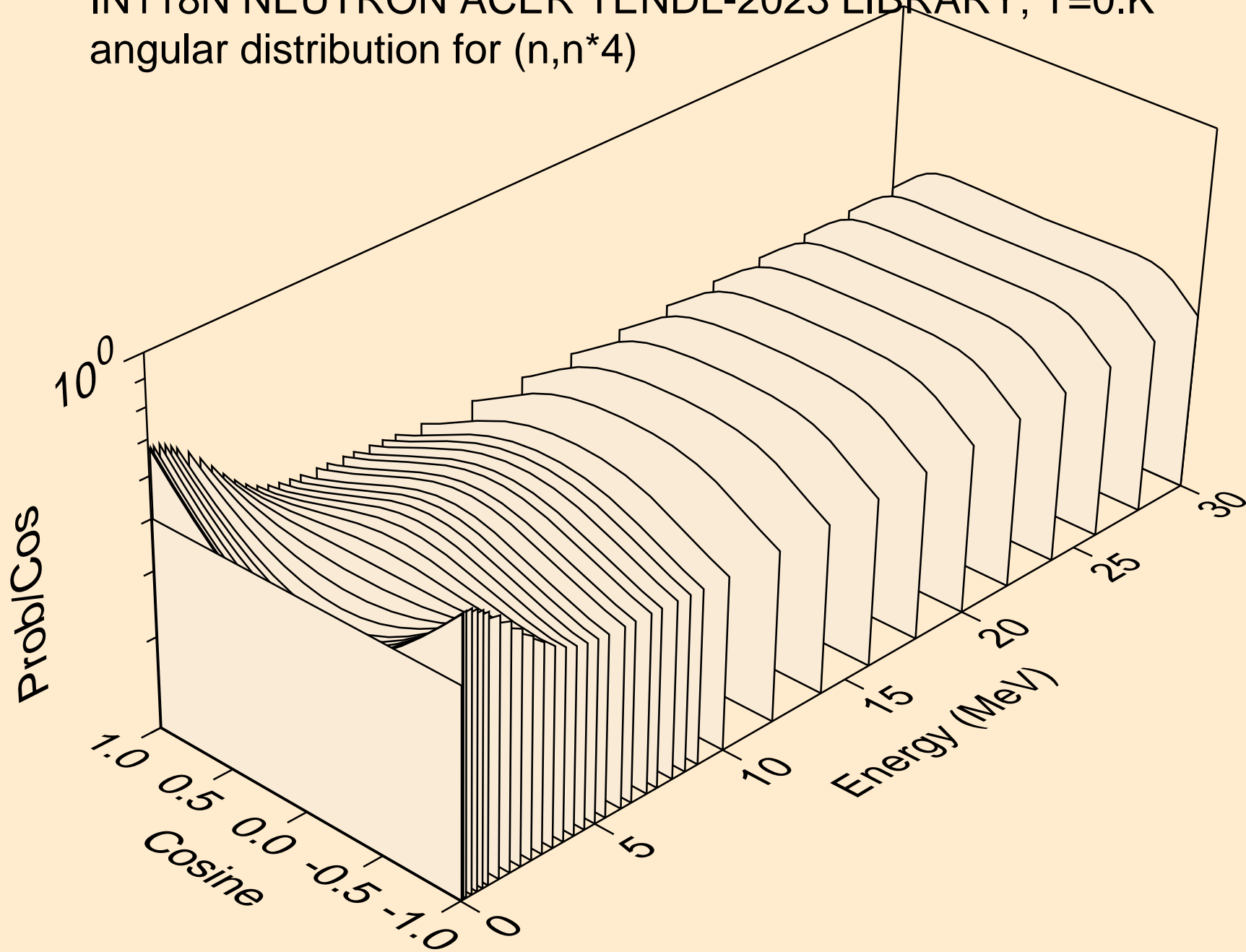




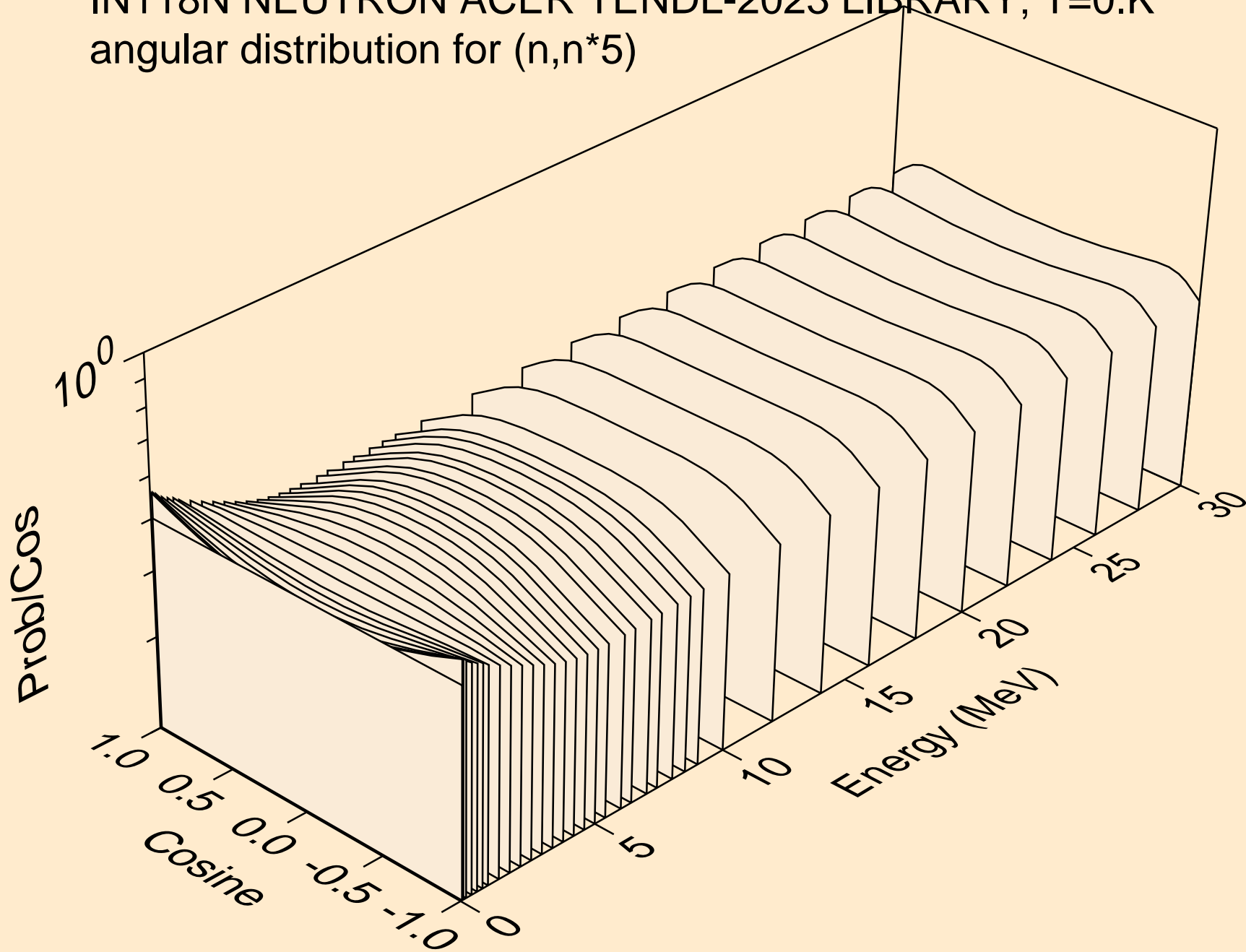
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angular distribution for (n,n\*3)



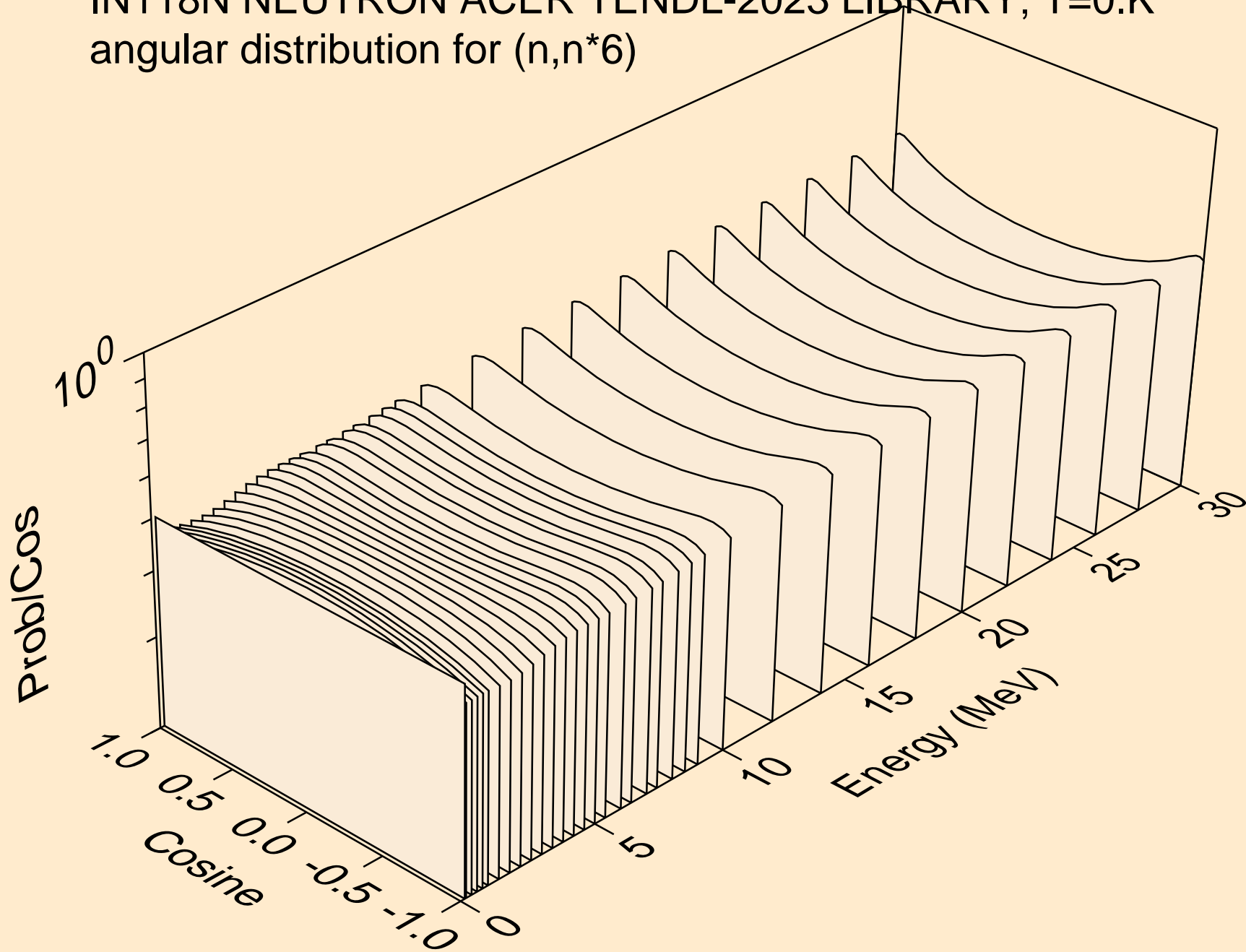
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angular distribution for (n,n\*4)



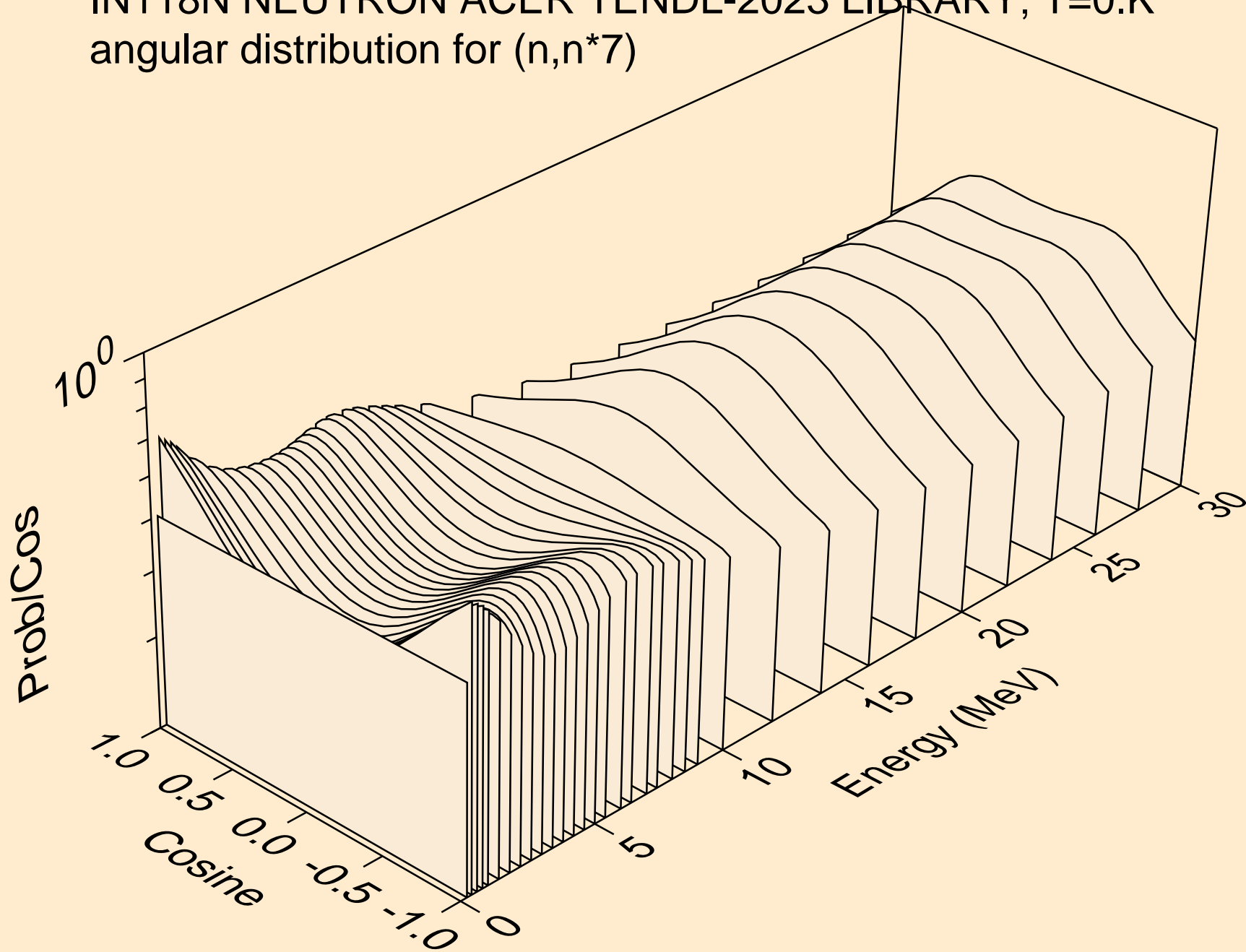
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angular distribution for (n,n\*5)



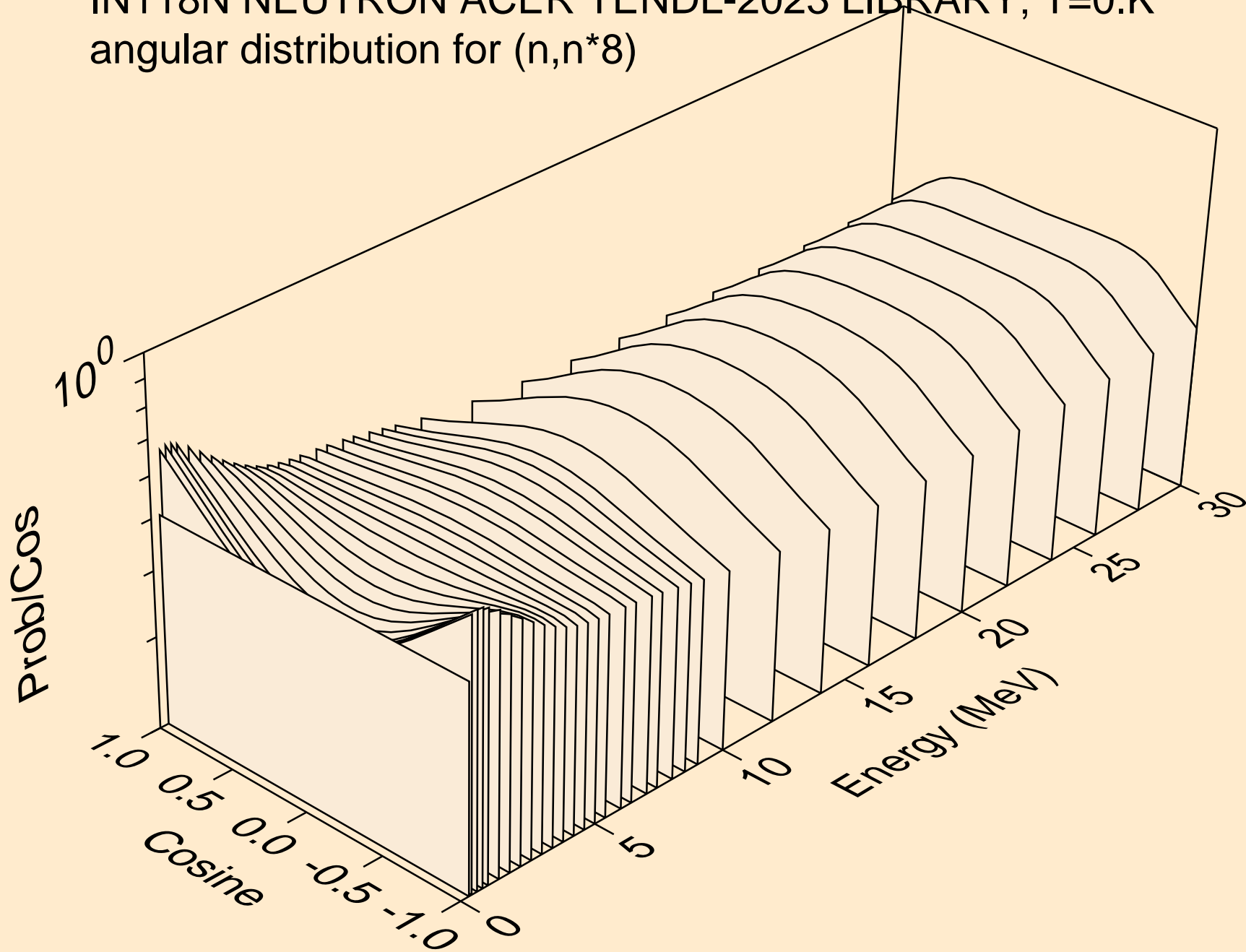
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angular distribution for (n,n\*6)



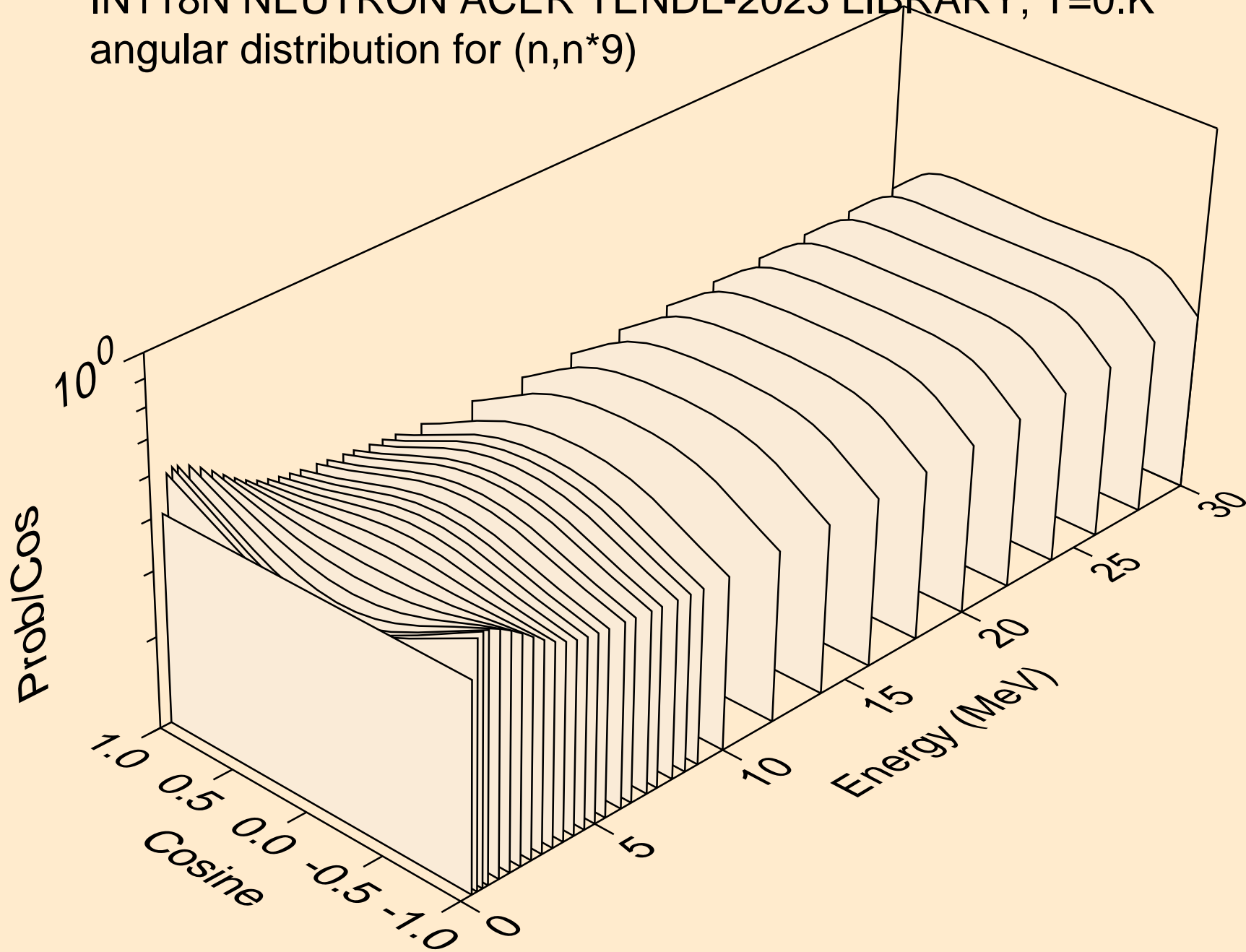
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angular distribution for (n,n\*7)



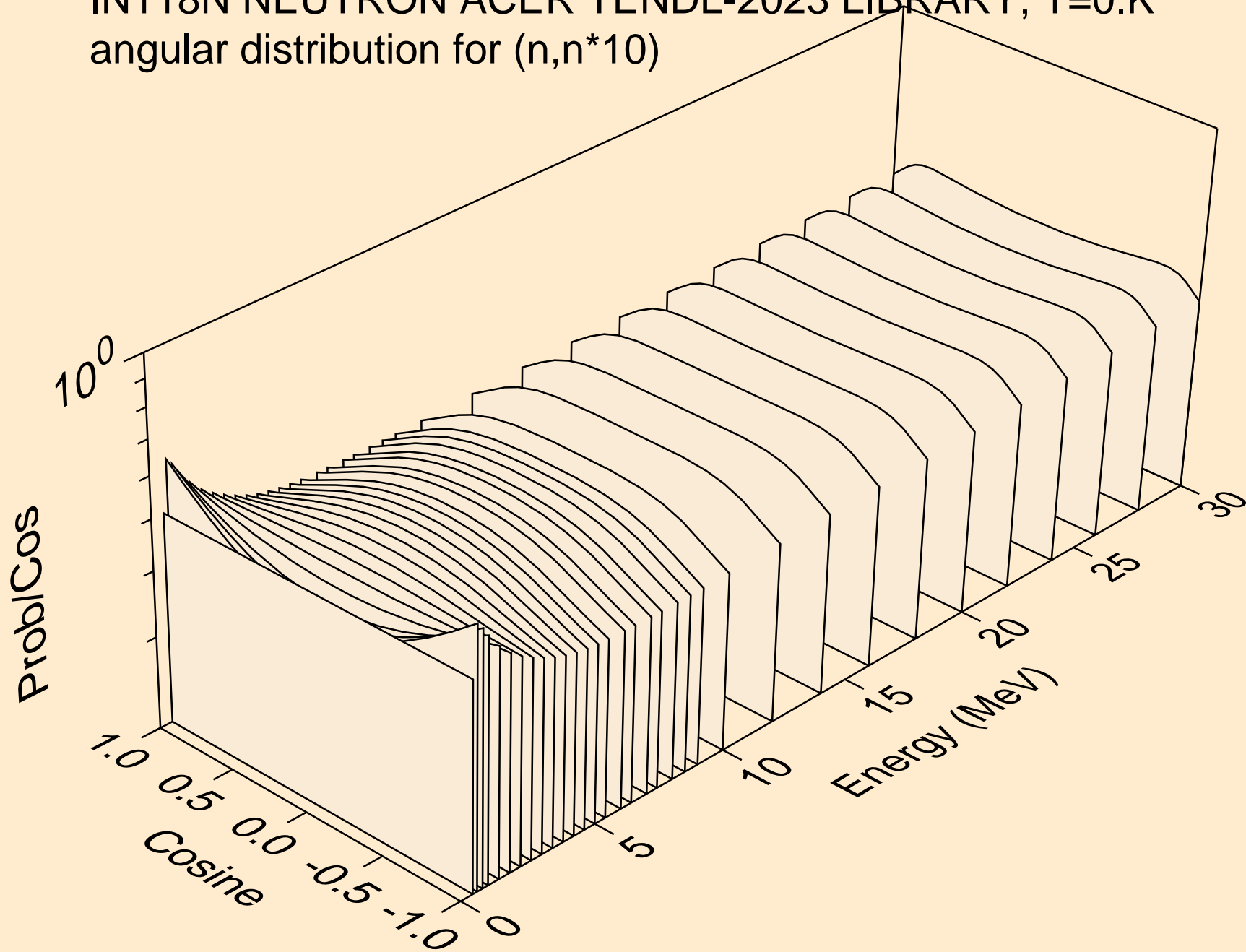
IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

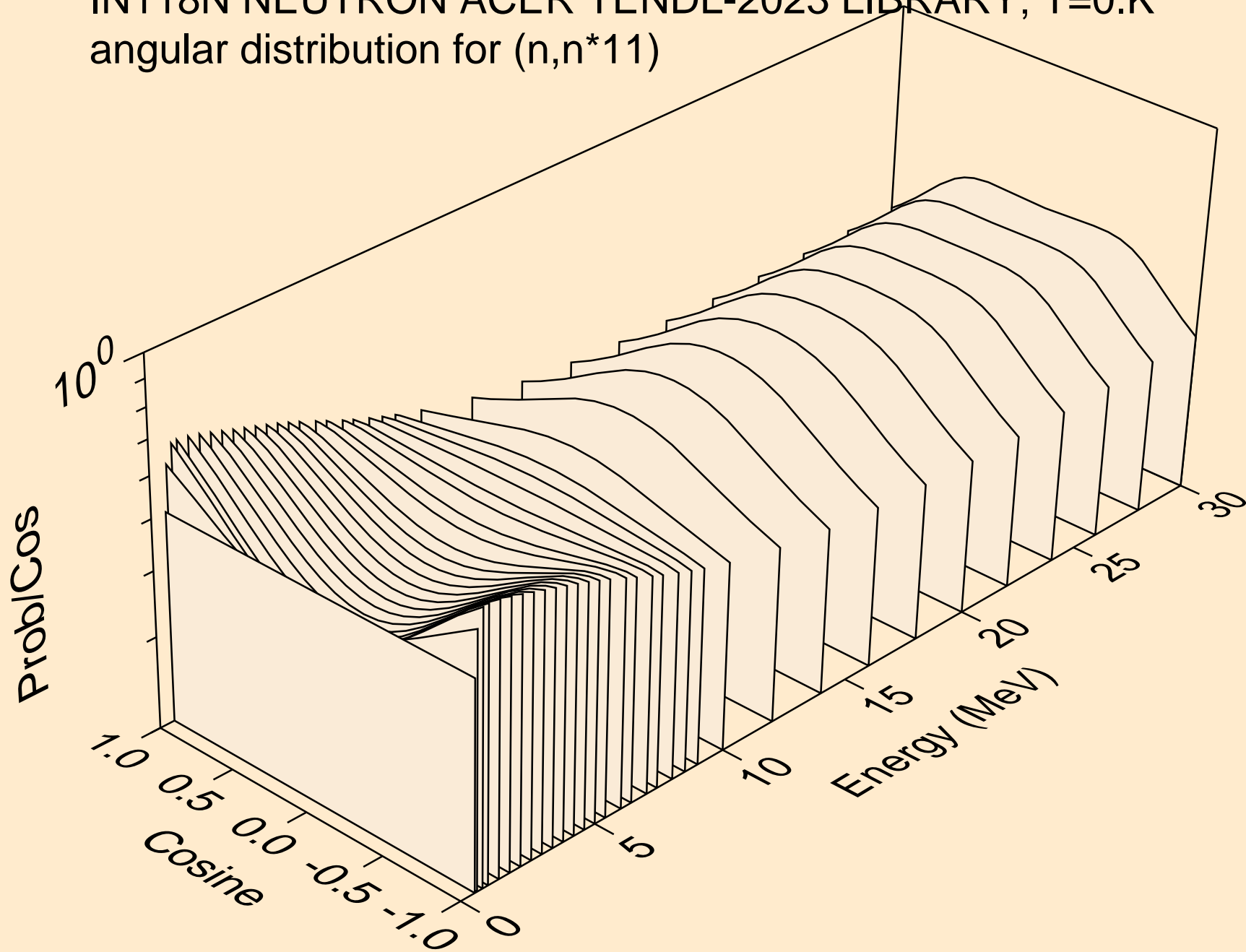


IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

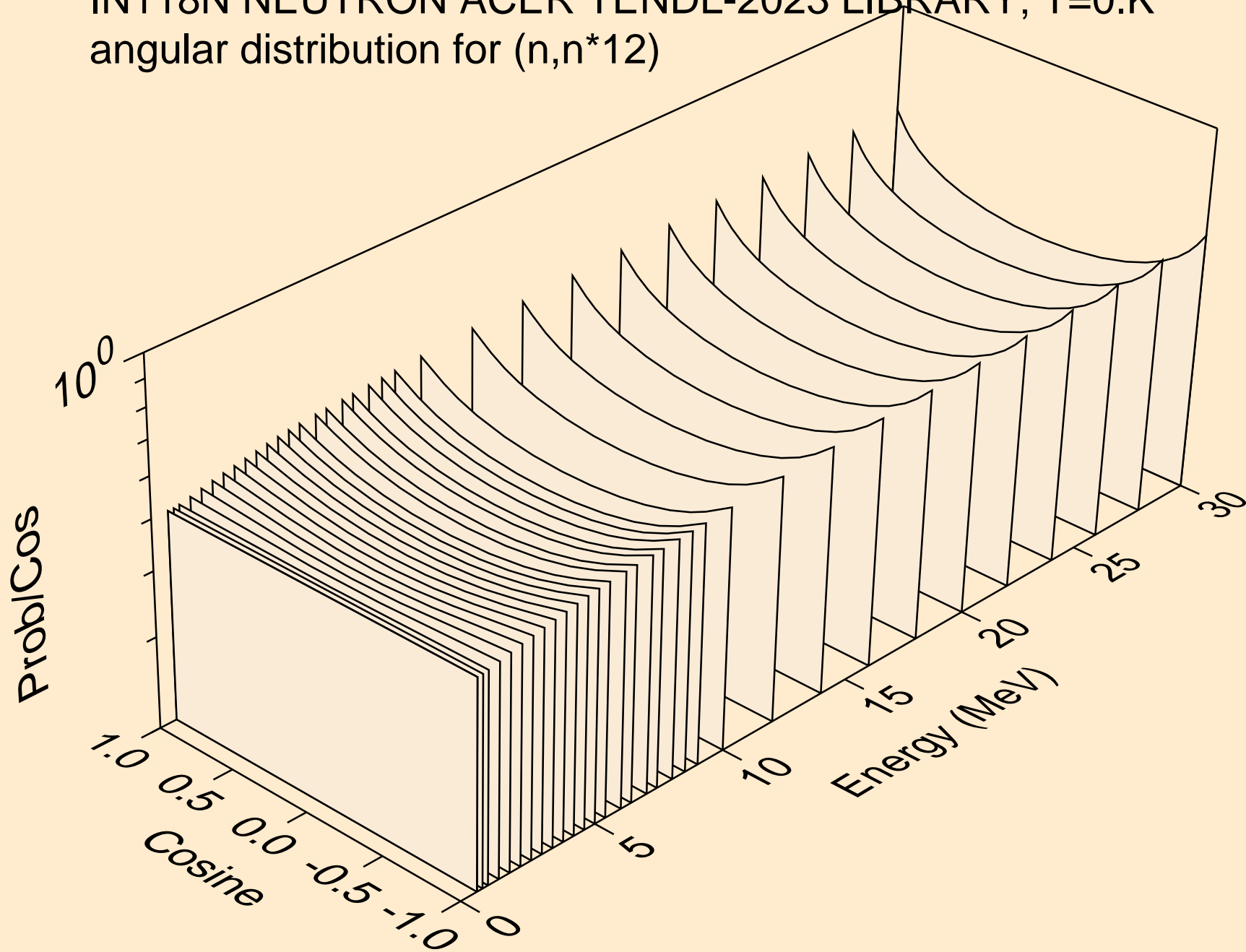




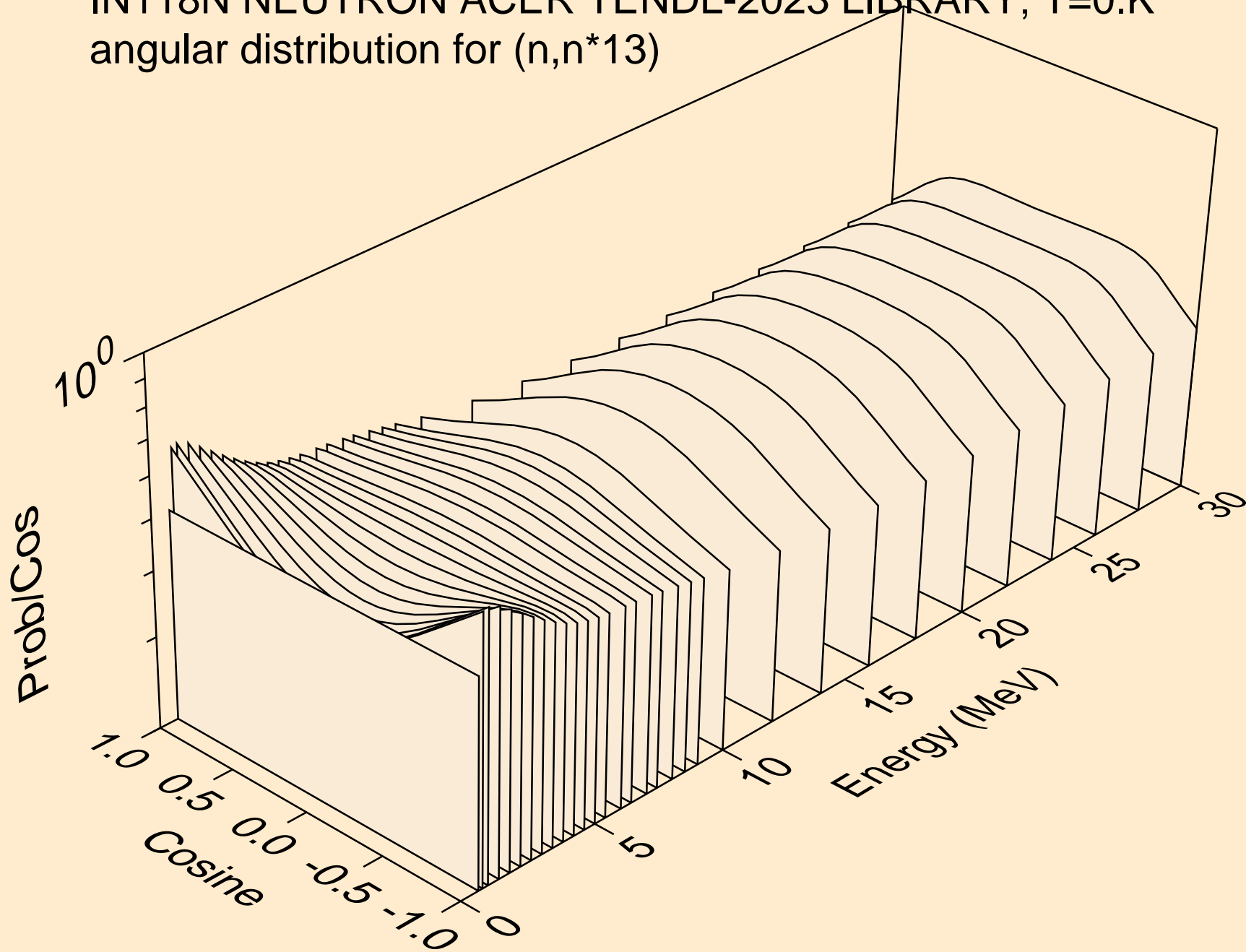
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angular distribution for (n,n\*11)



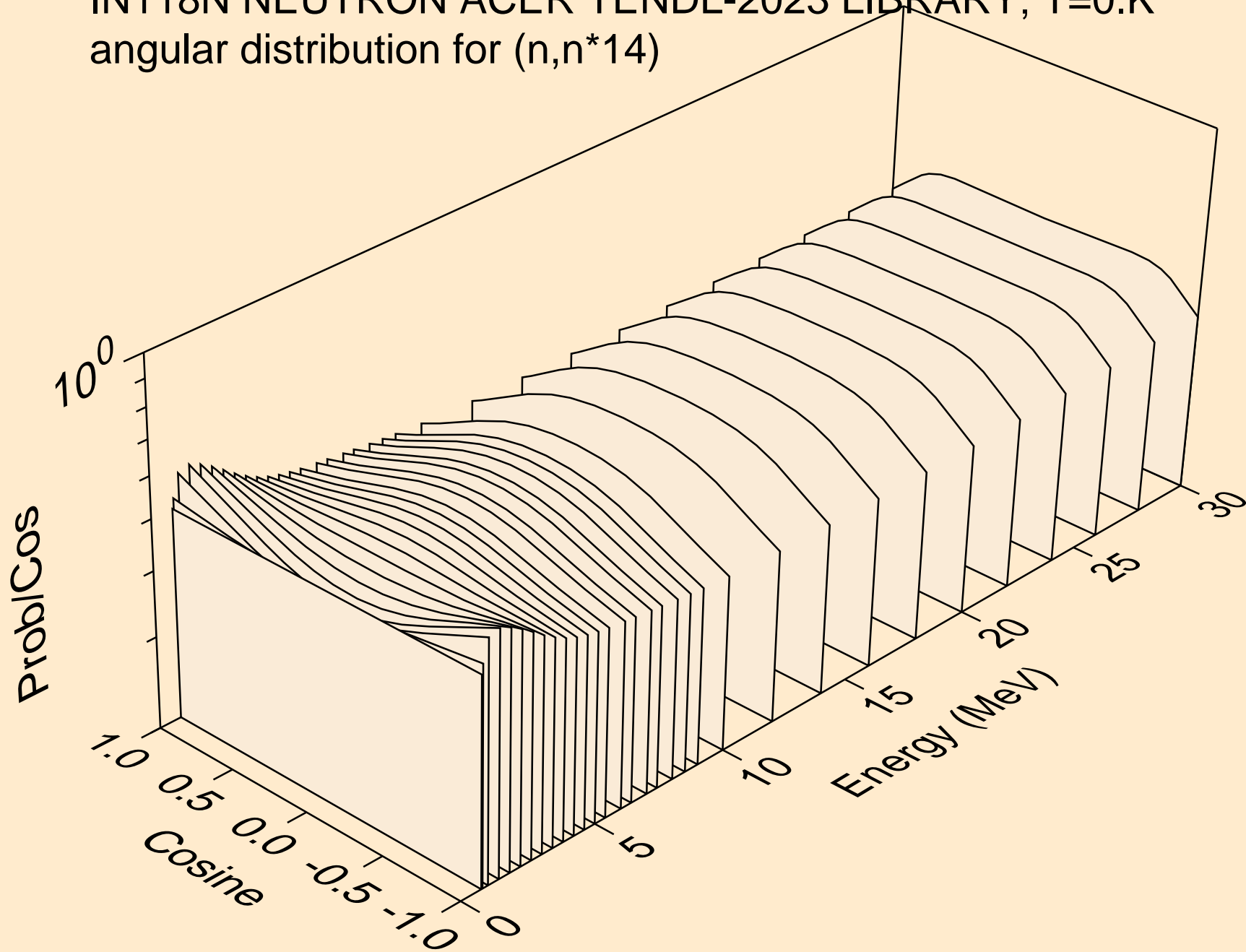
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angular distribution for (n,n\*12)



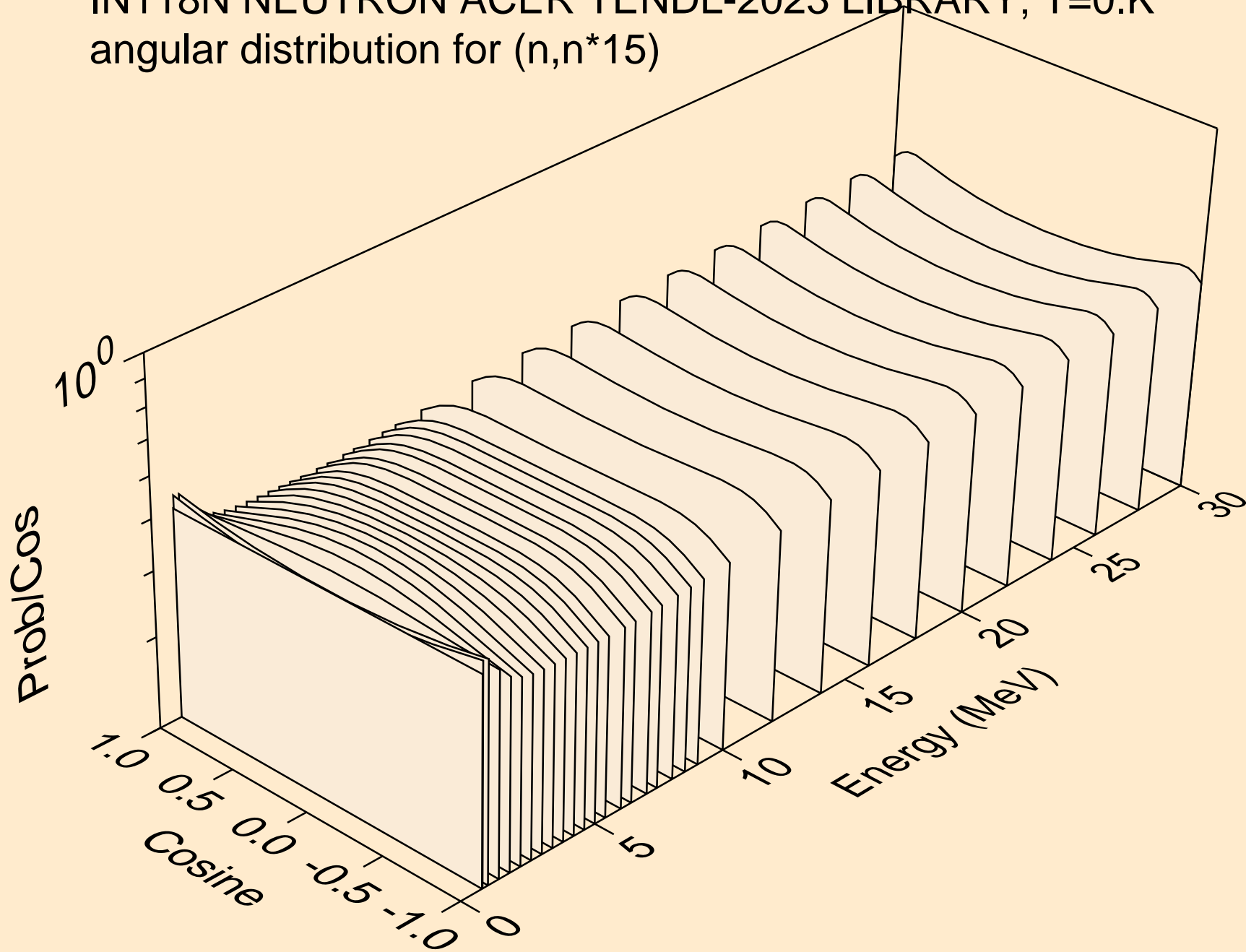
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angular distribution for (n,n\*13)



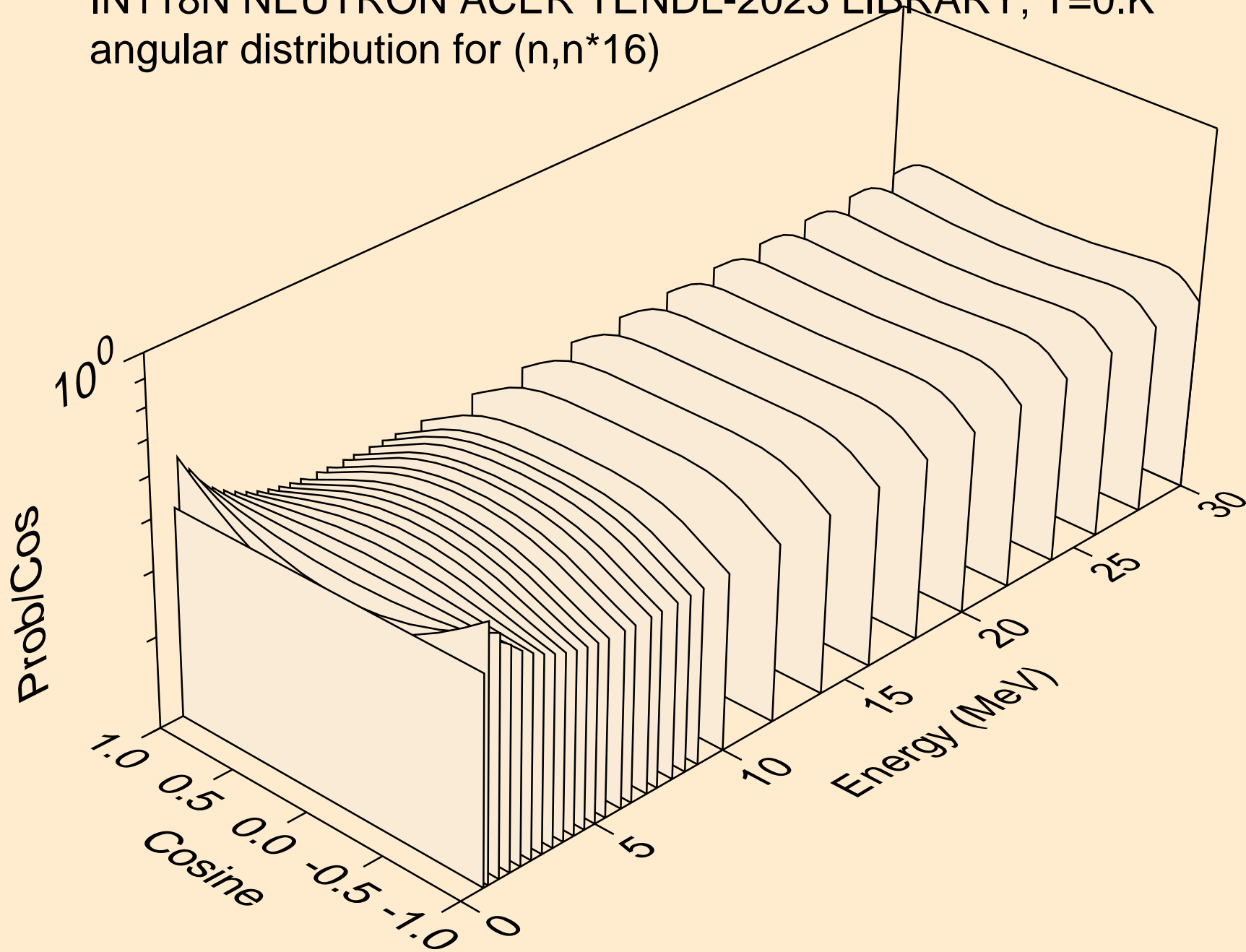
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angular distribution for (n,n\*14)



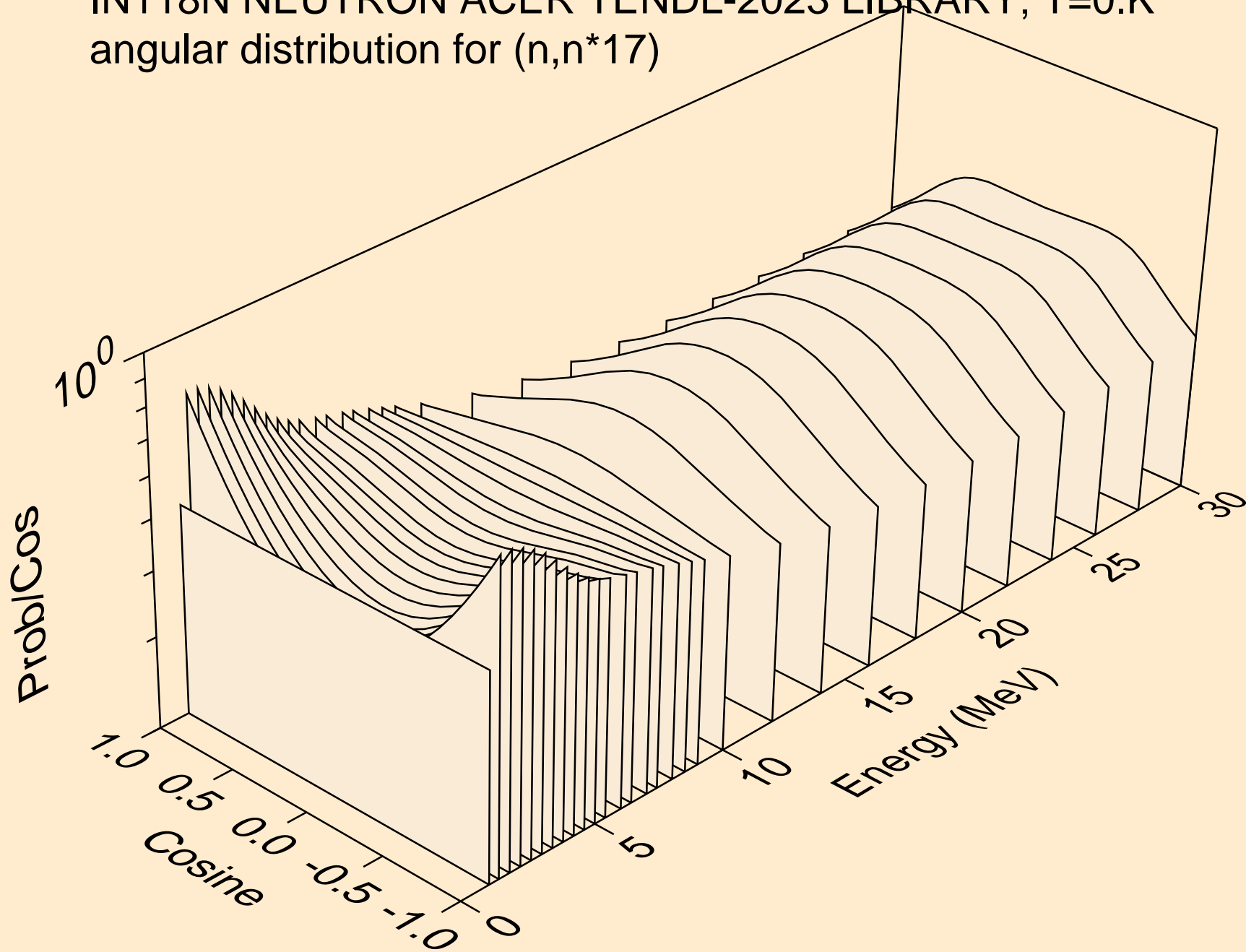
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angular distribution for (n,n\*15)



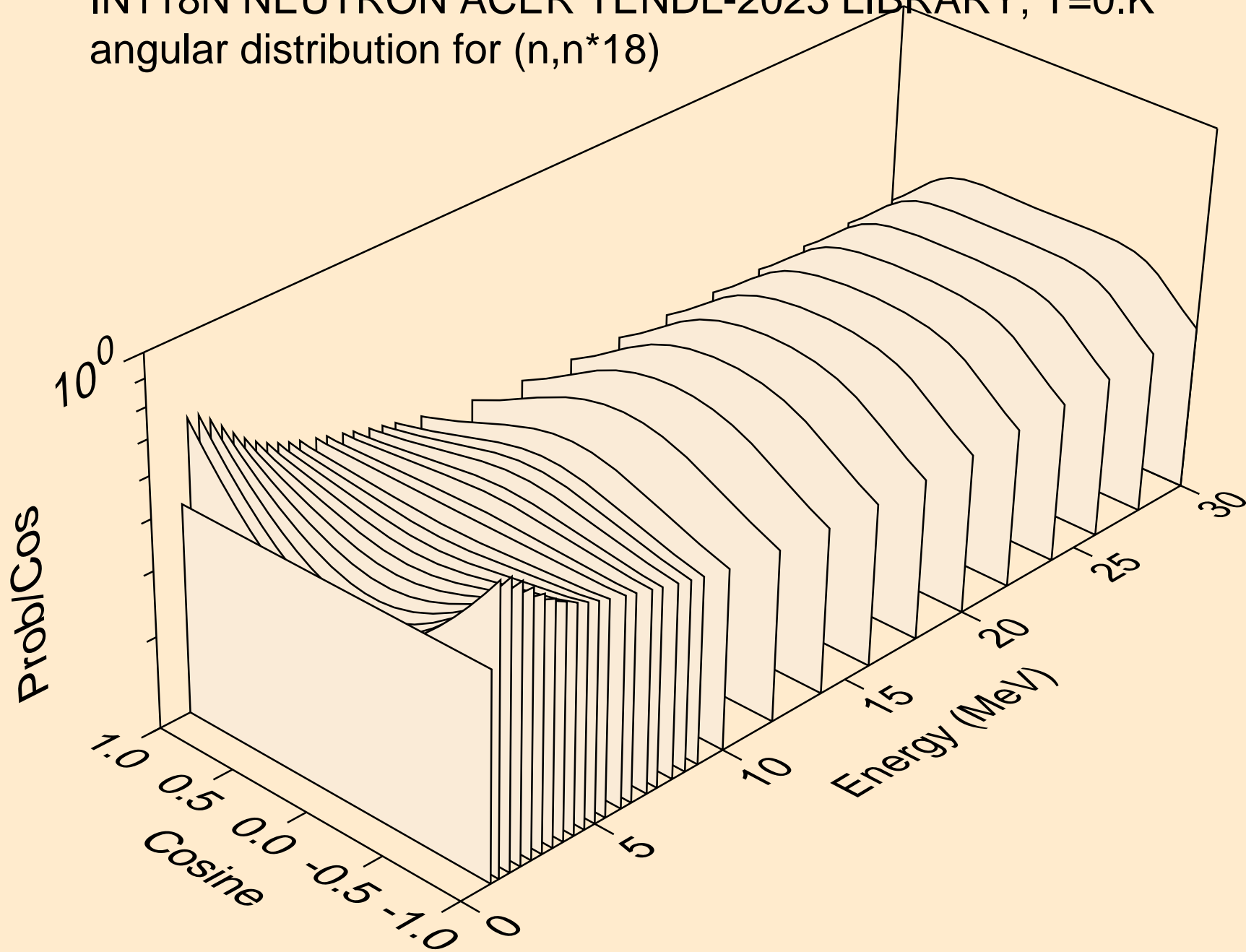
IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*17)

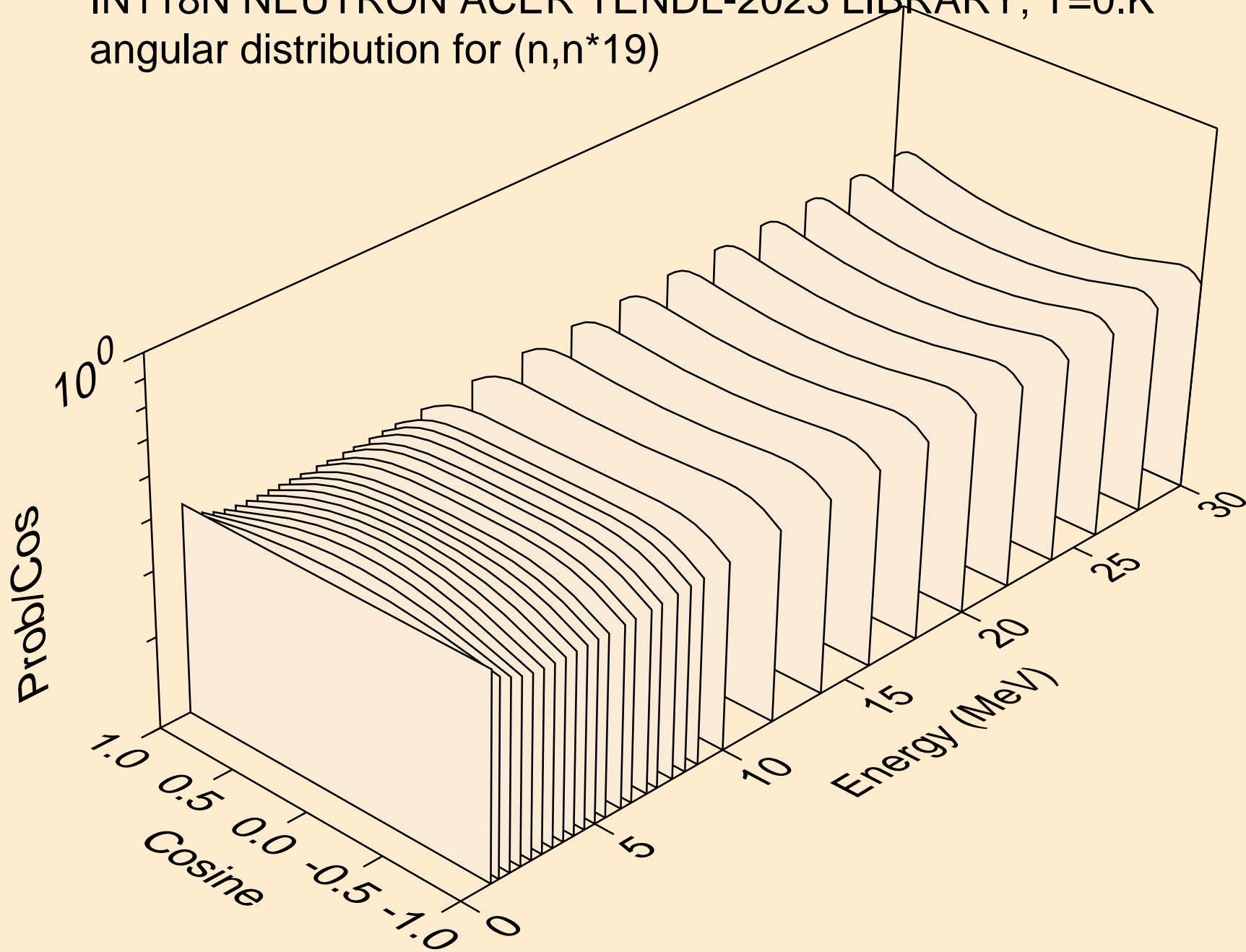


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angular distribution for (n,n\*18)

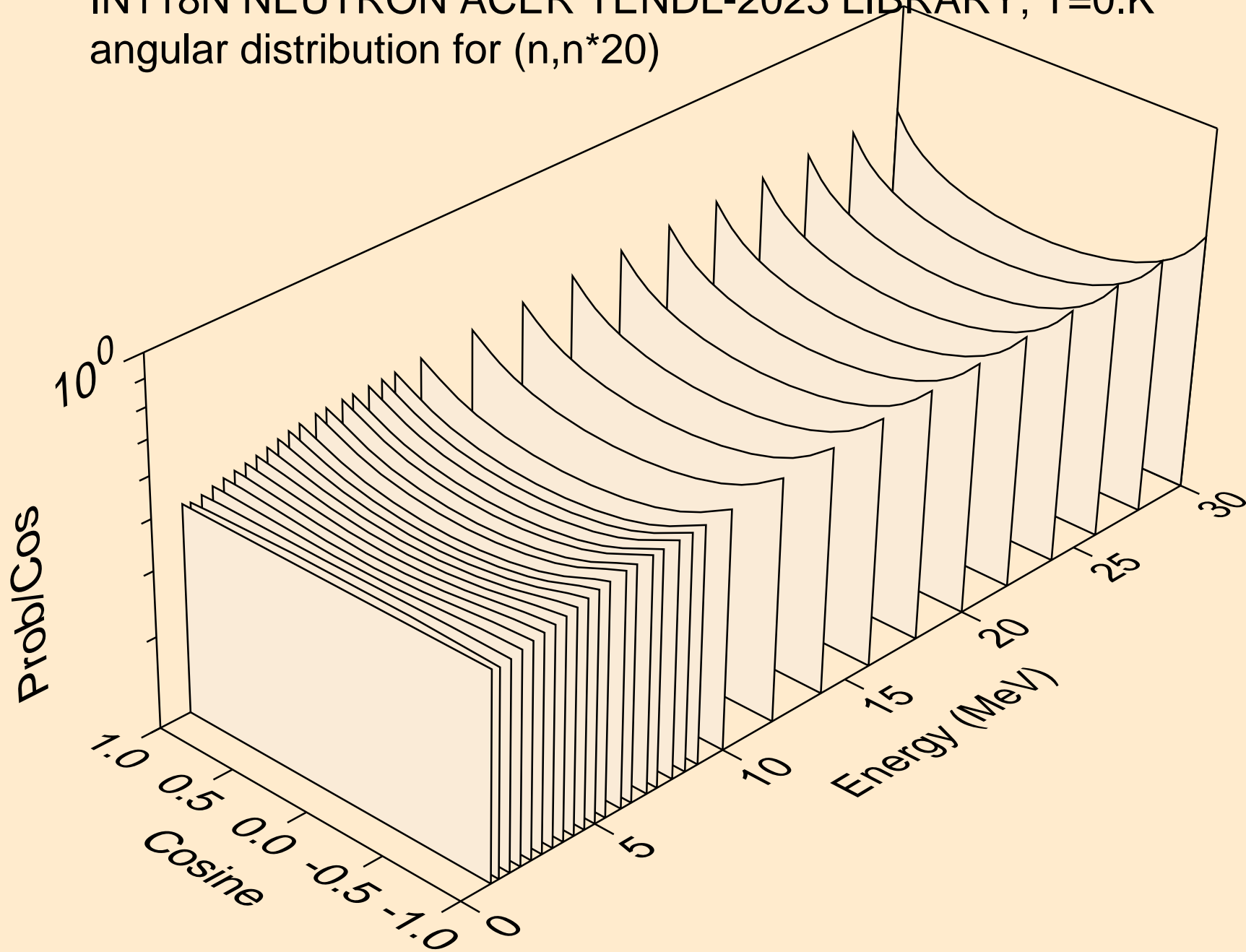




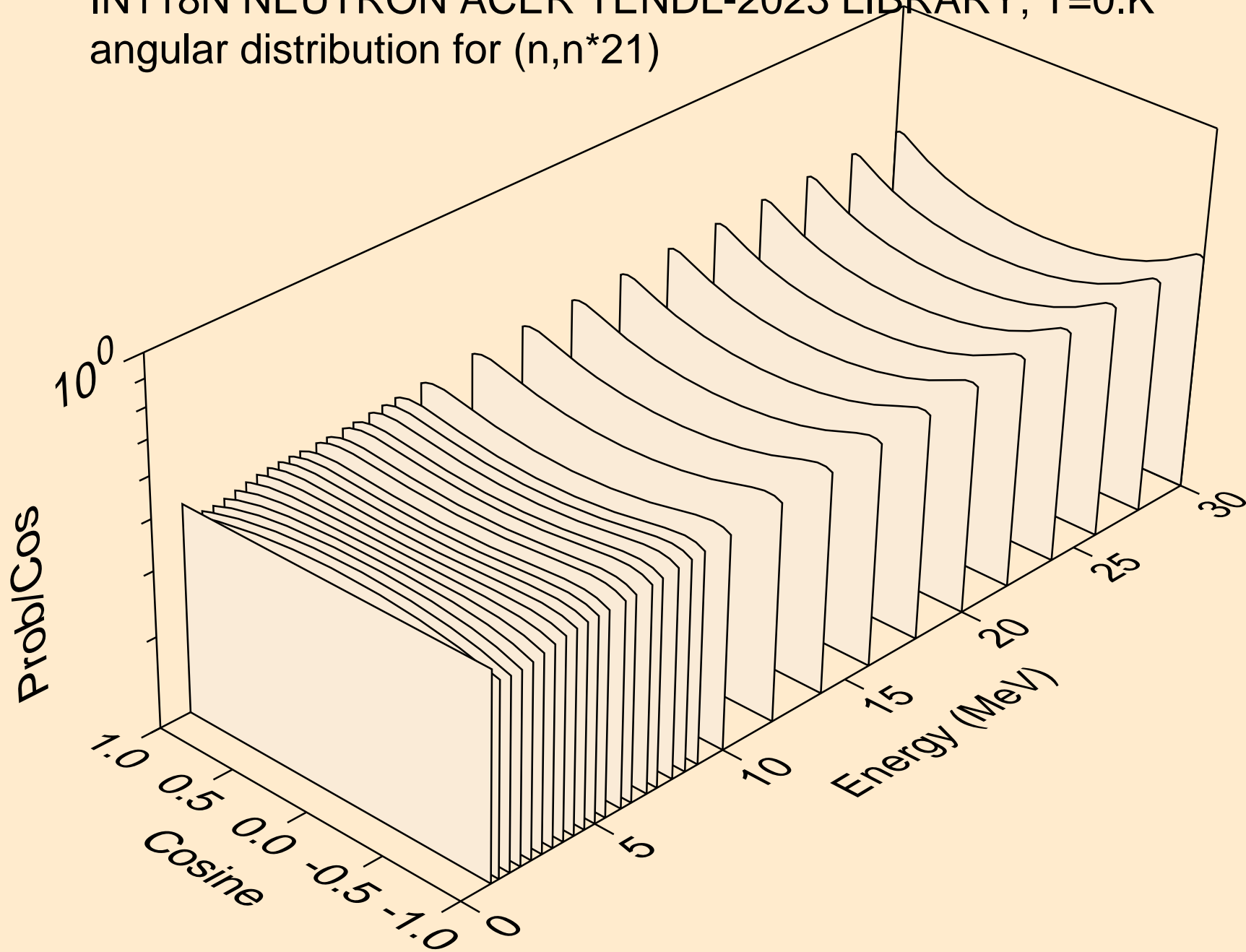
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angular distribution for (n,n\*19)



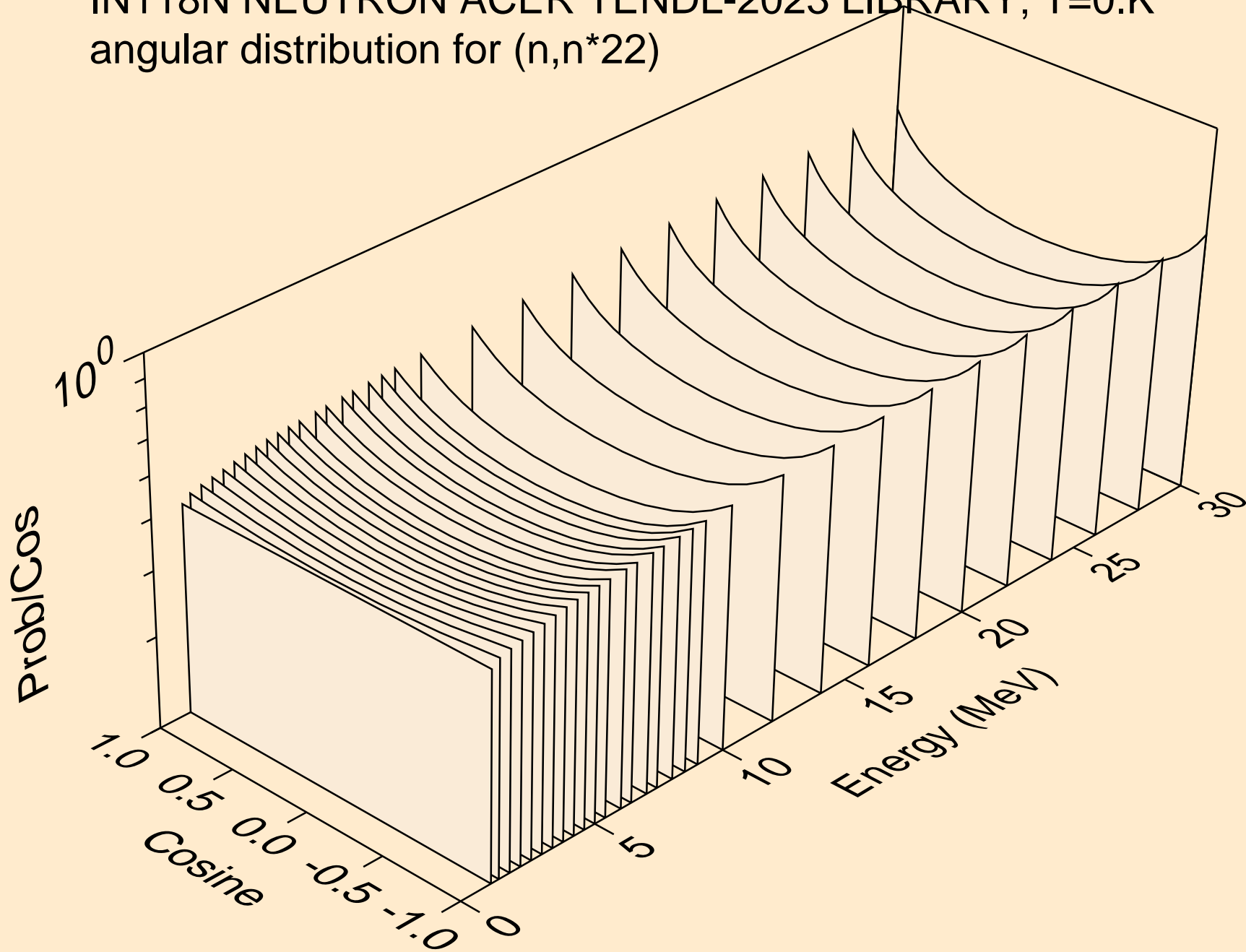
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angular distribution for (n,n\*20)



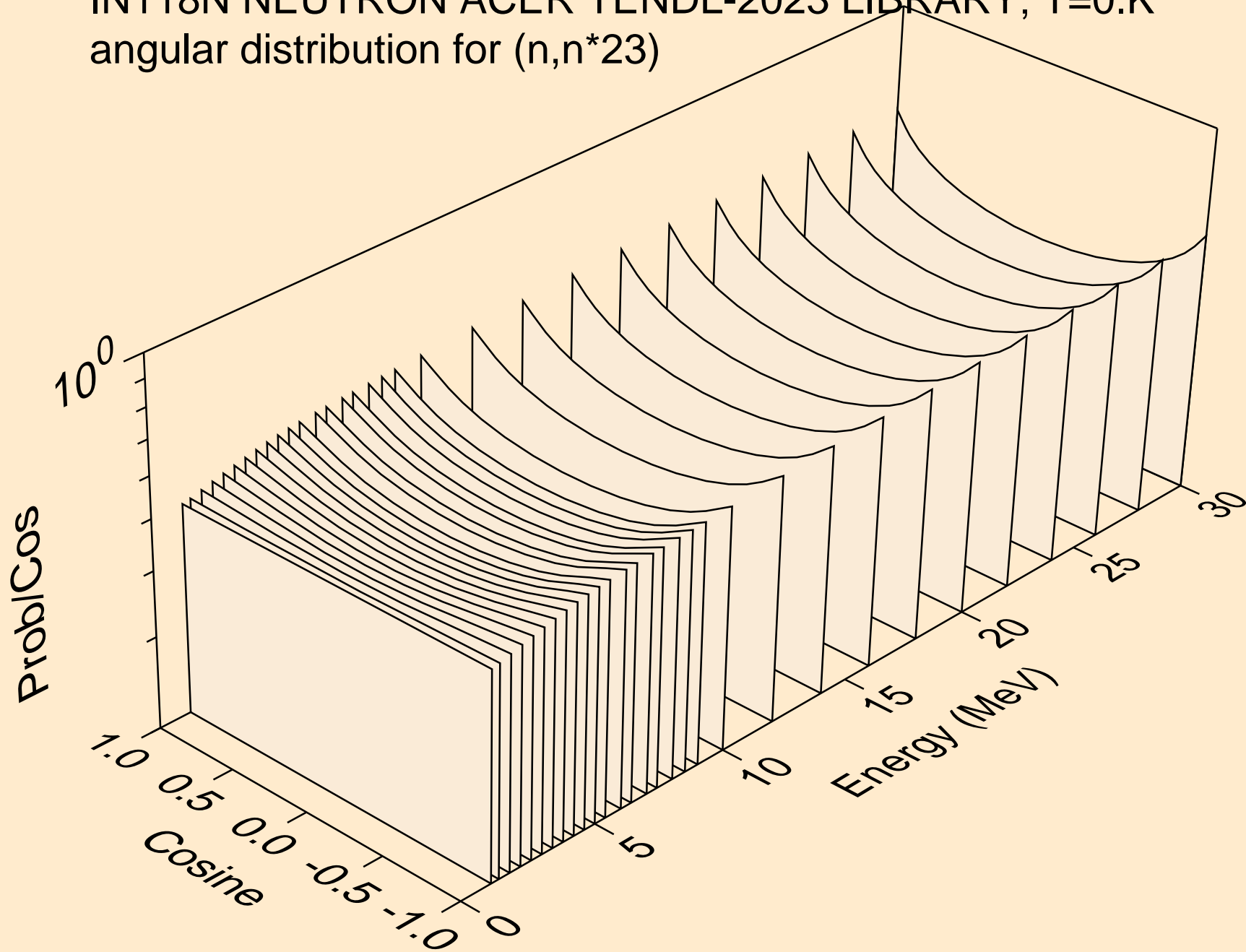
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angular distribution for (n,n\*21)



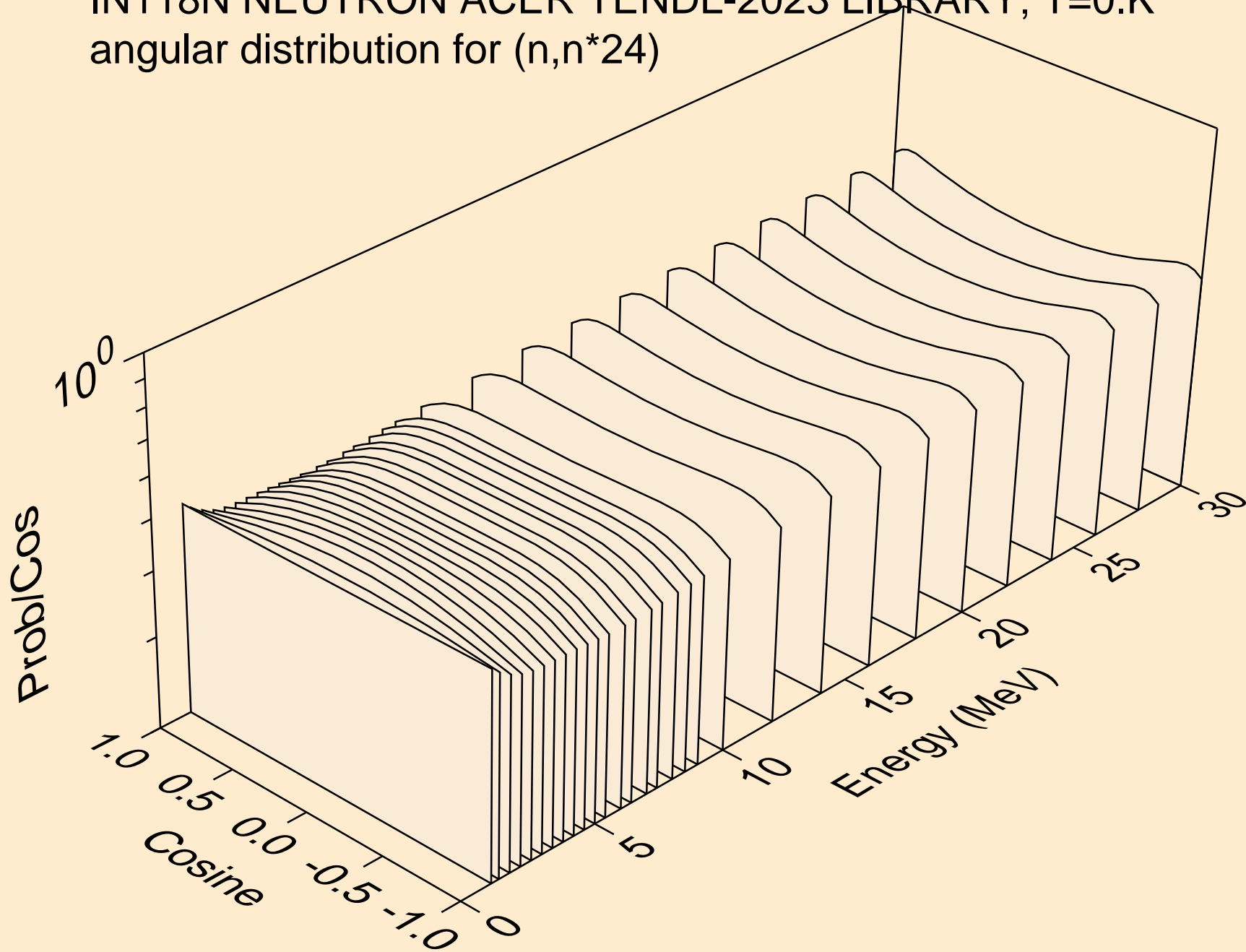
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angular distribution for (n,n\*22)



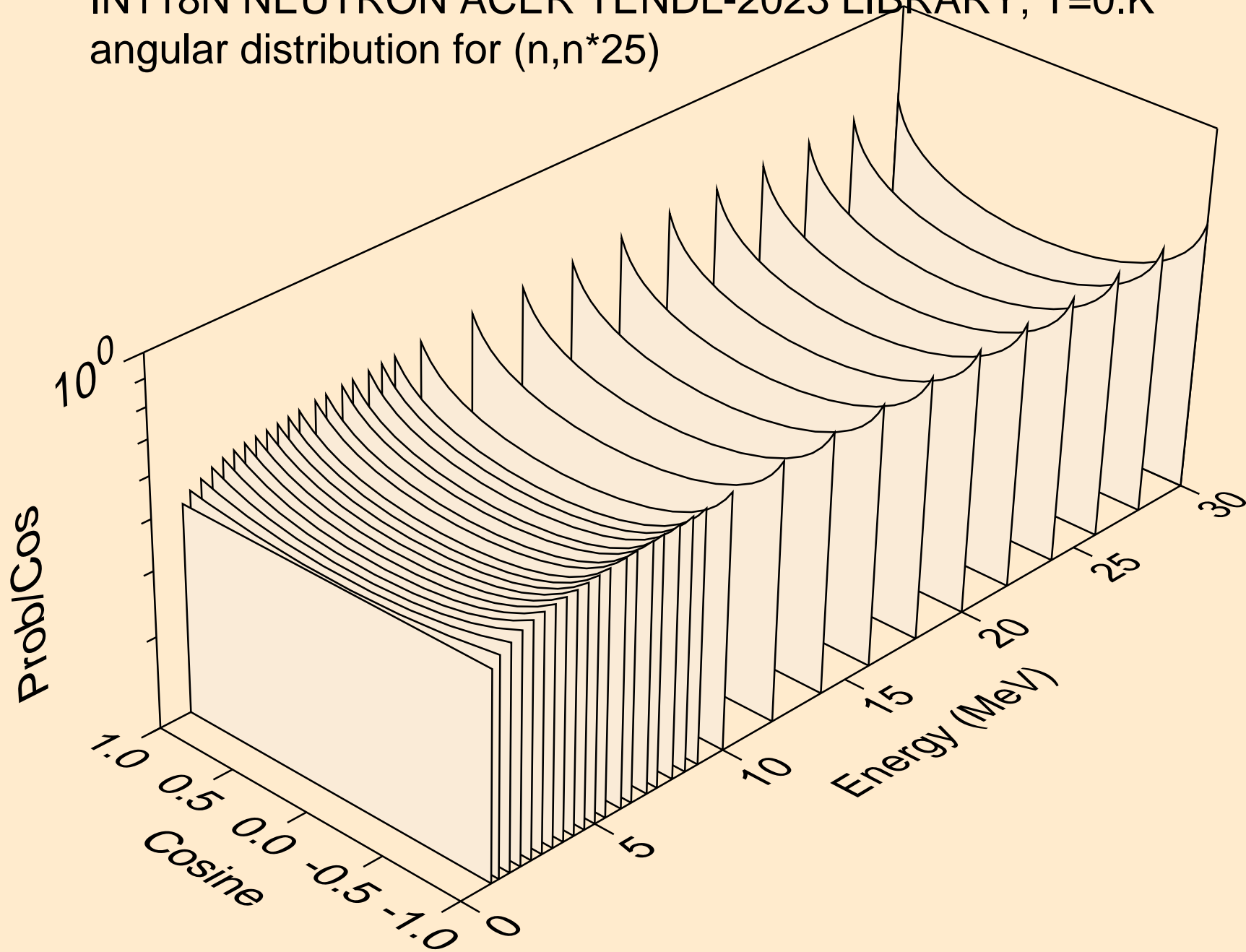
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angular distribution for (n,n\*23)



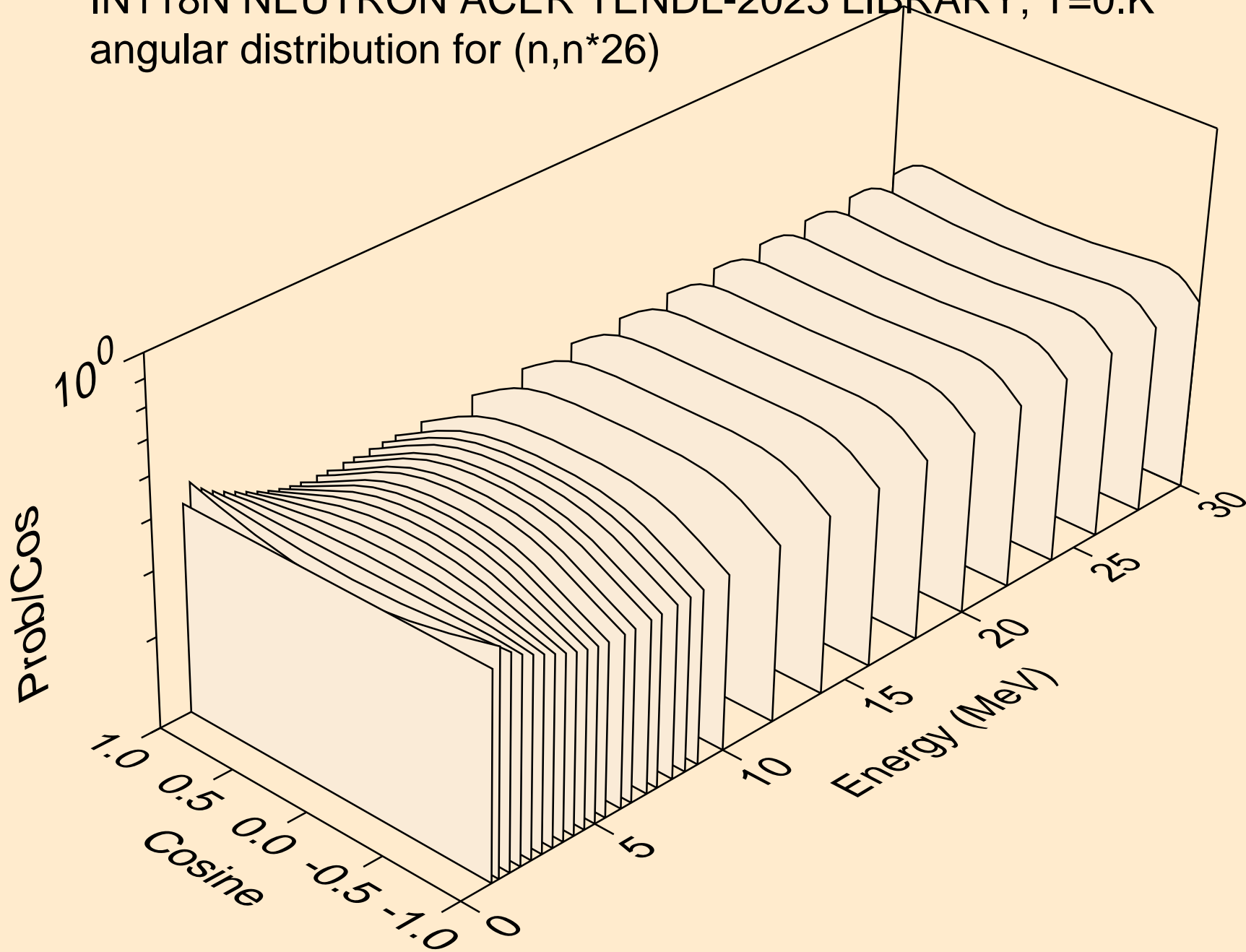
IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*24)



IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*25)

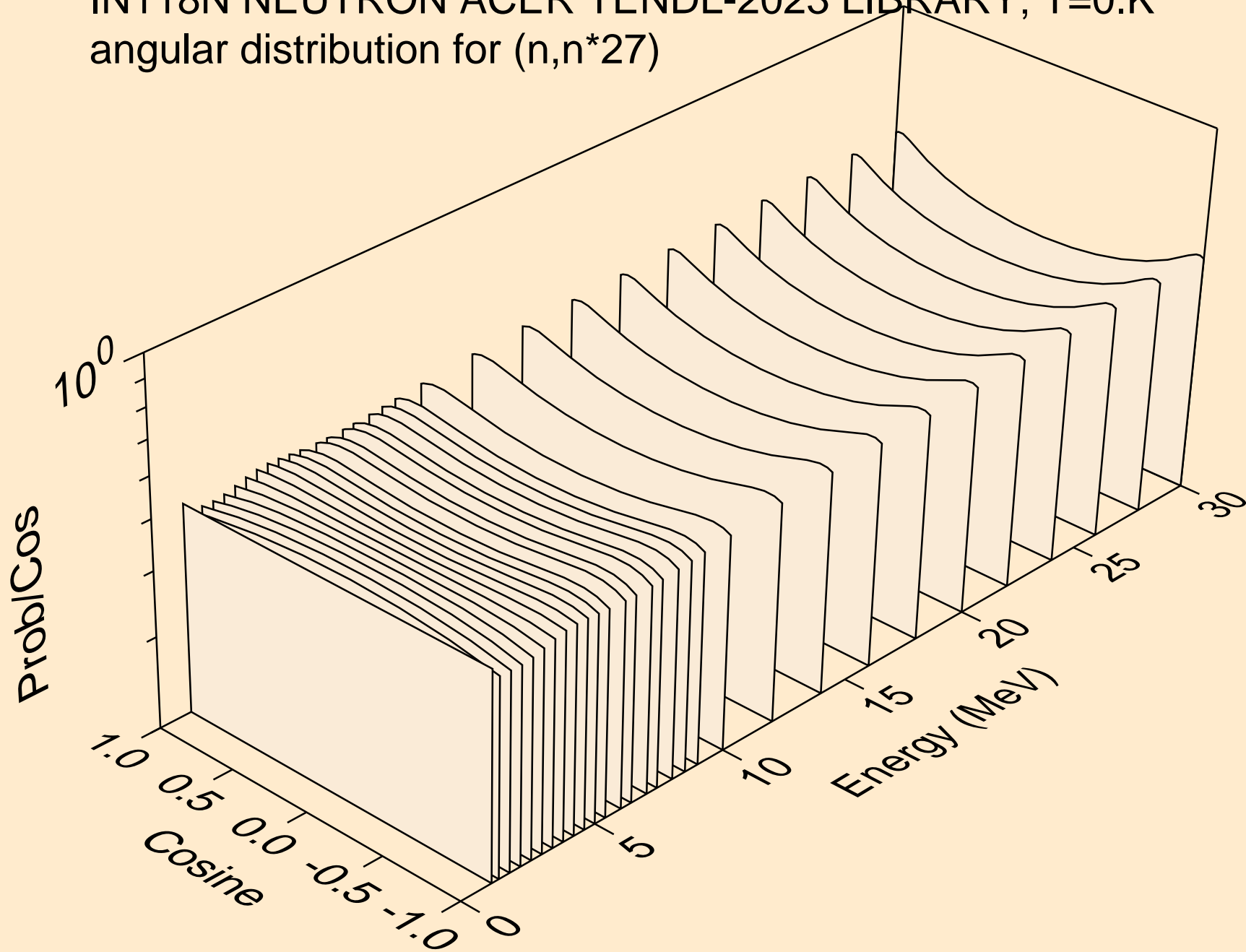


IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*26)

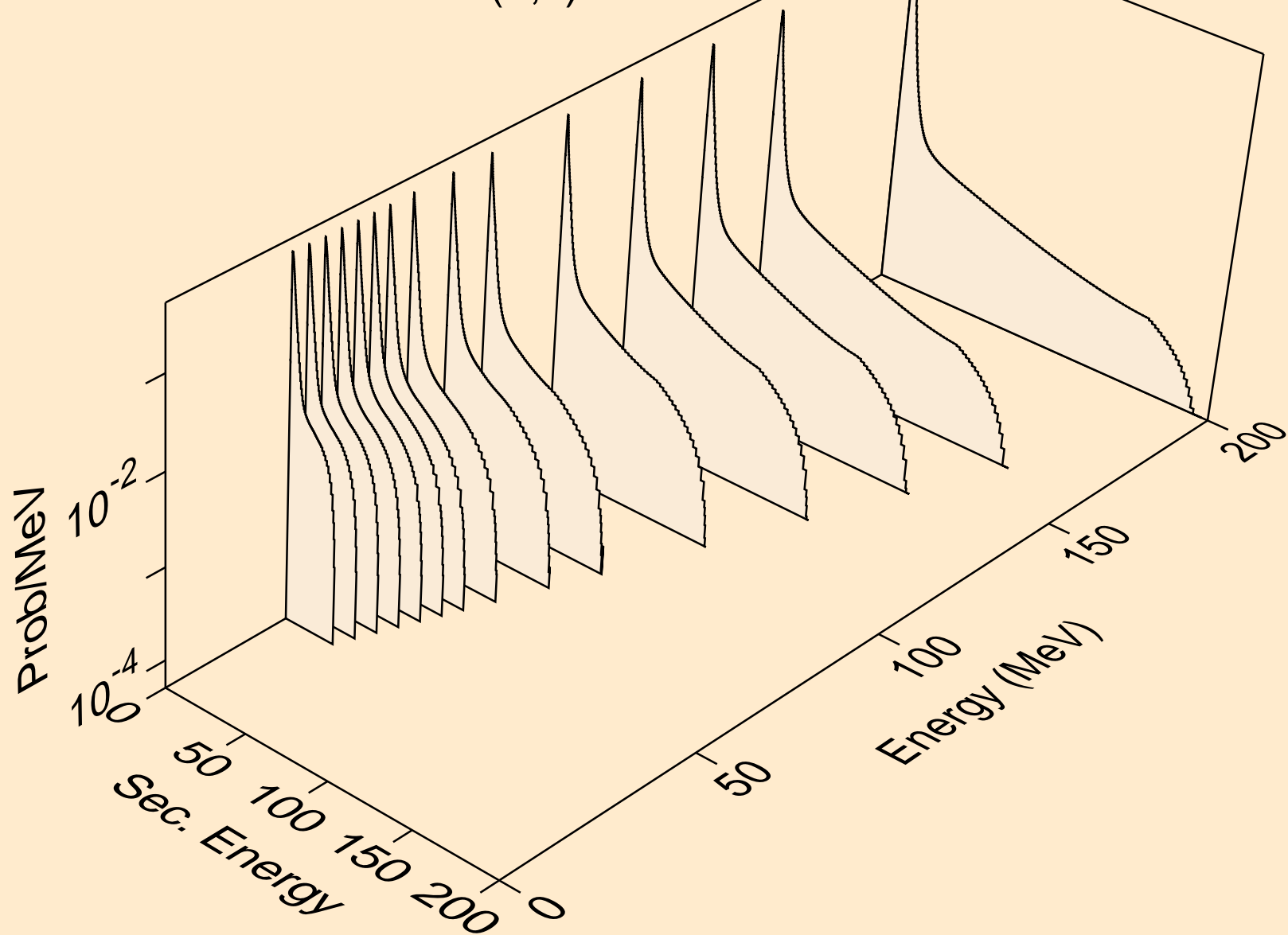




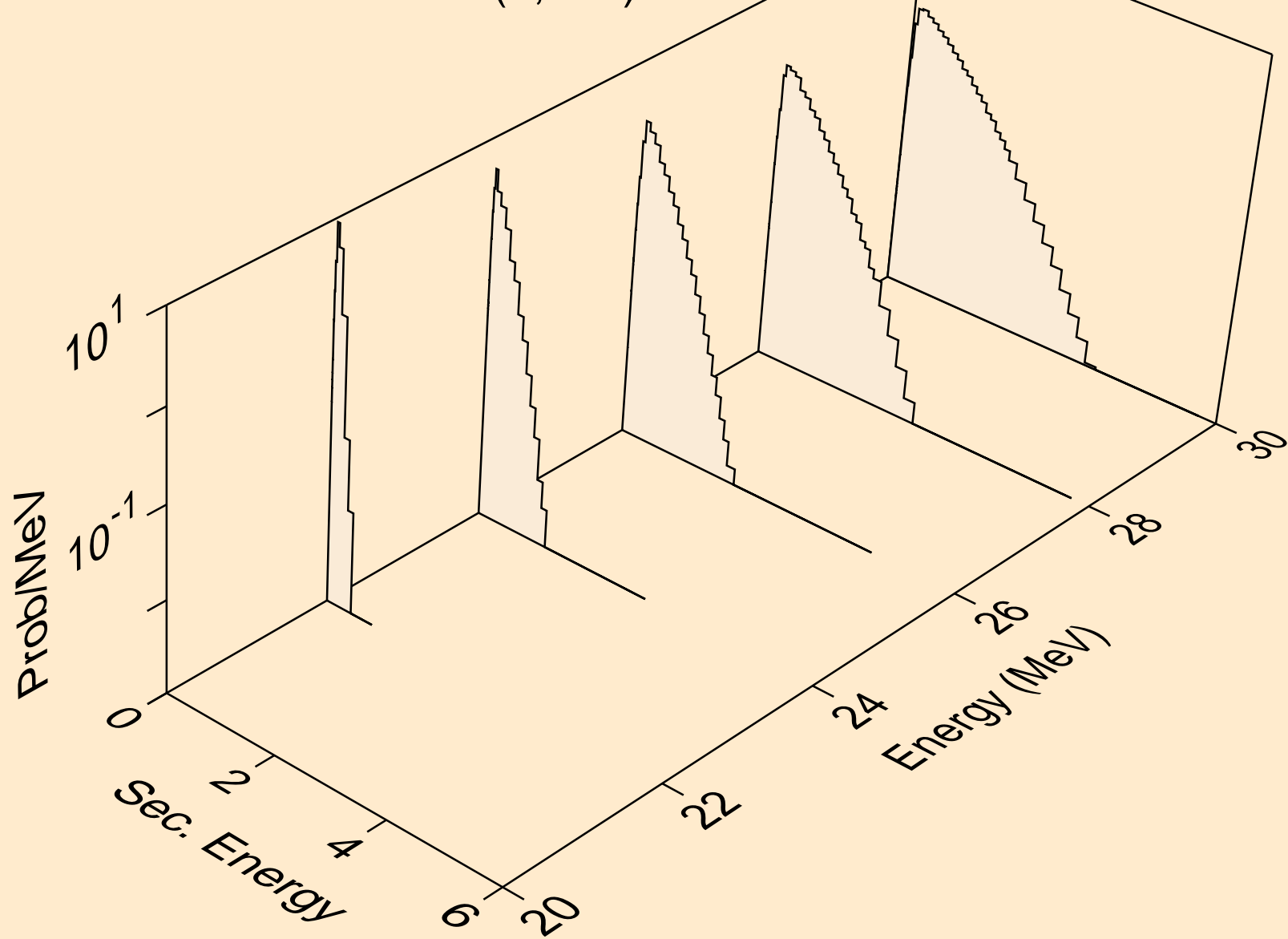
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angular distribution for (n,n\*27)



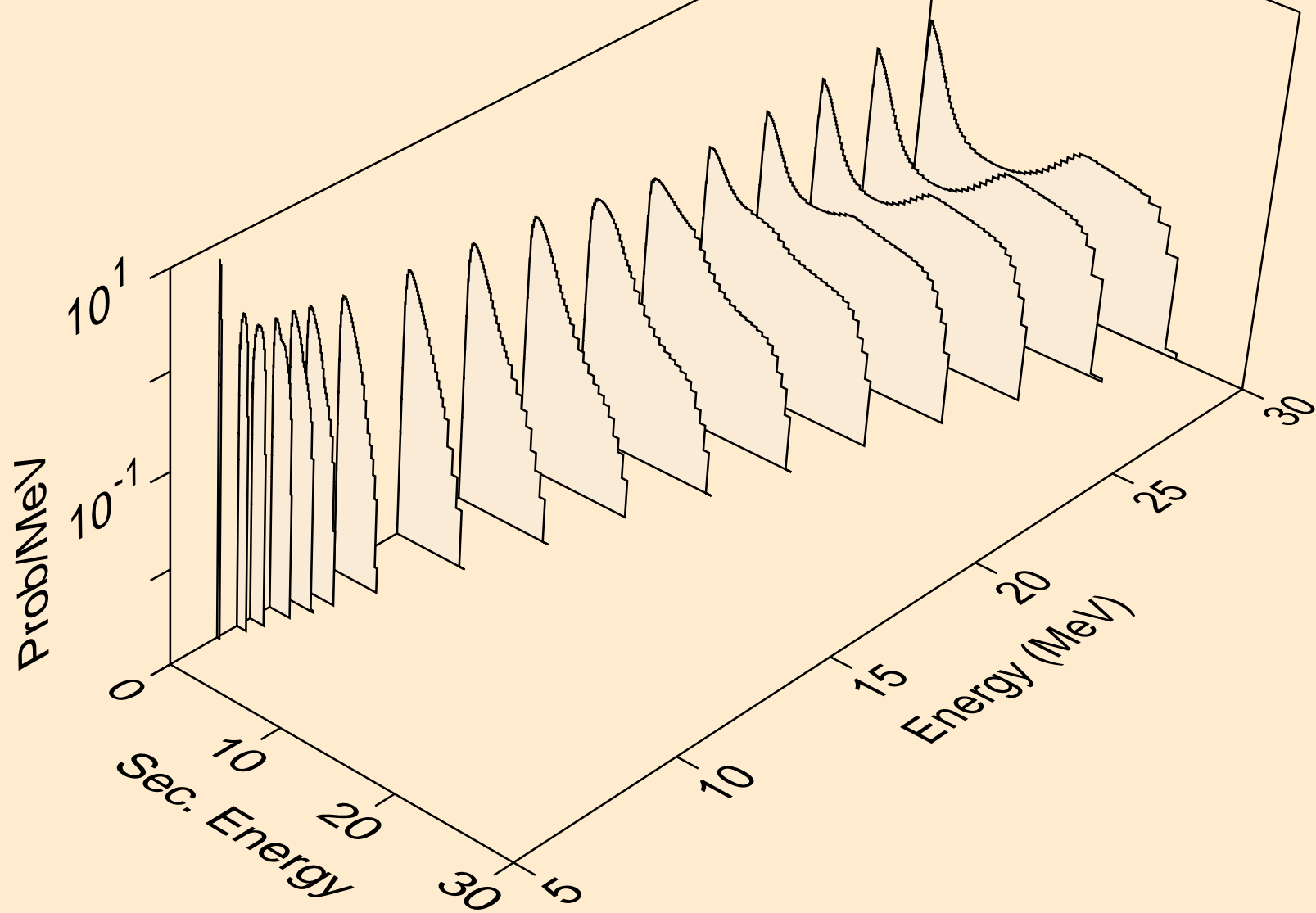
IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



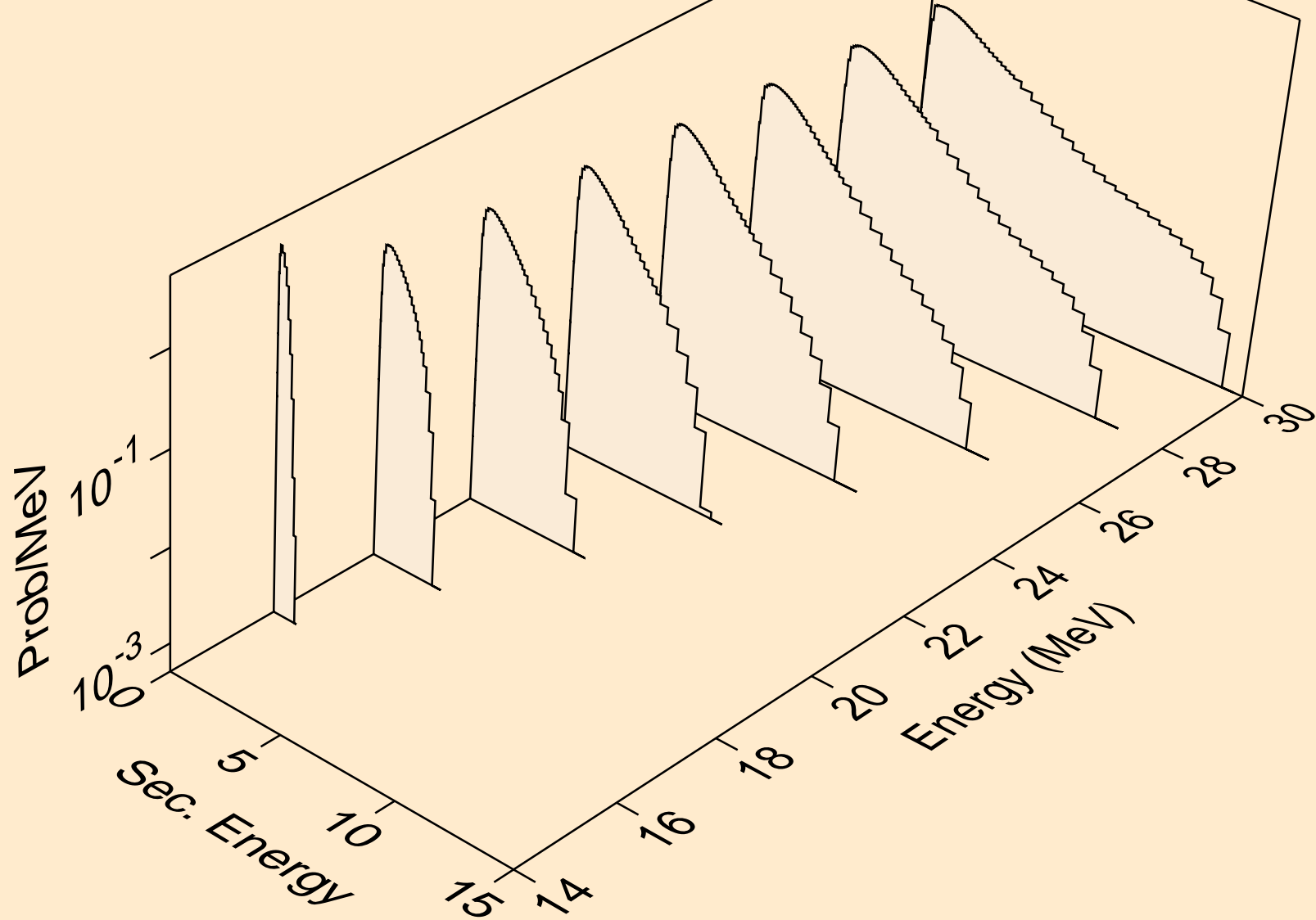
IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



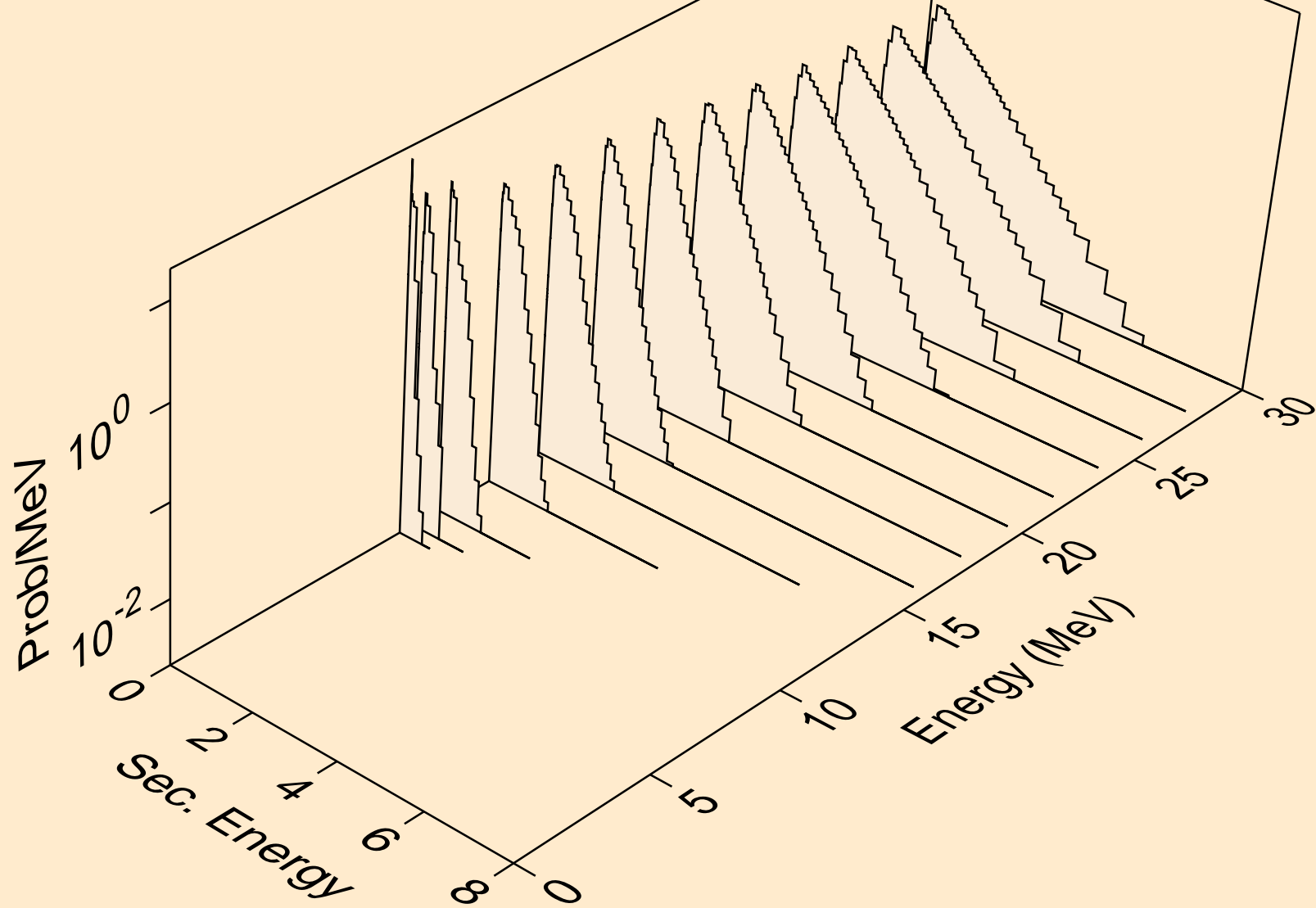
IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



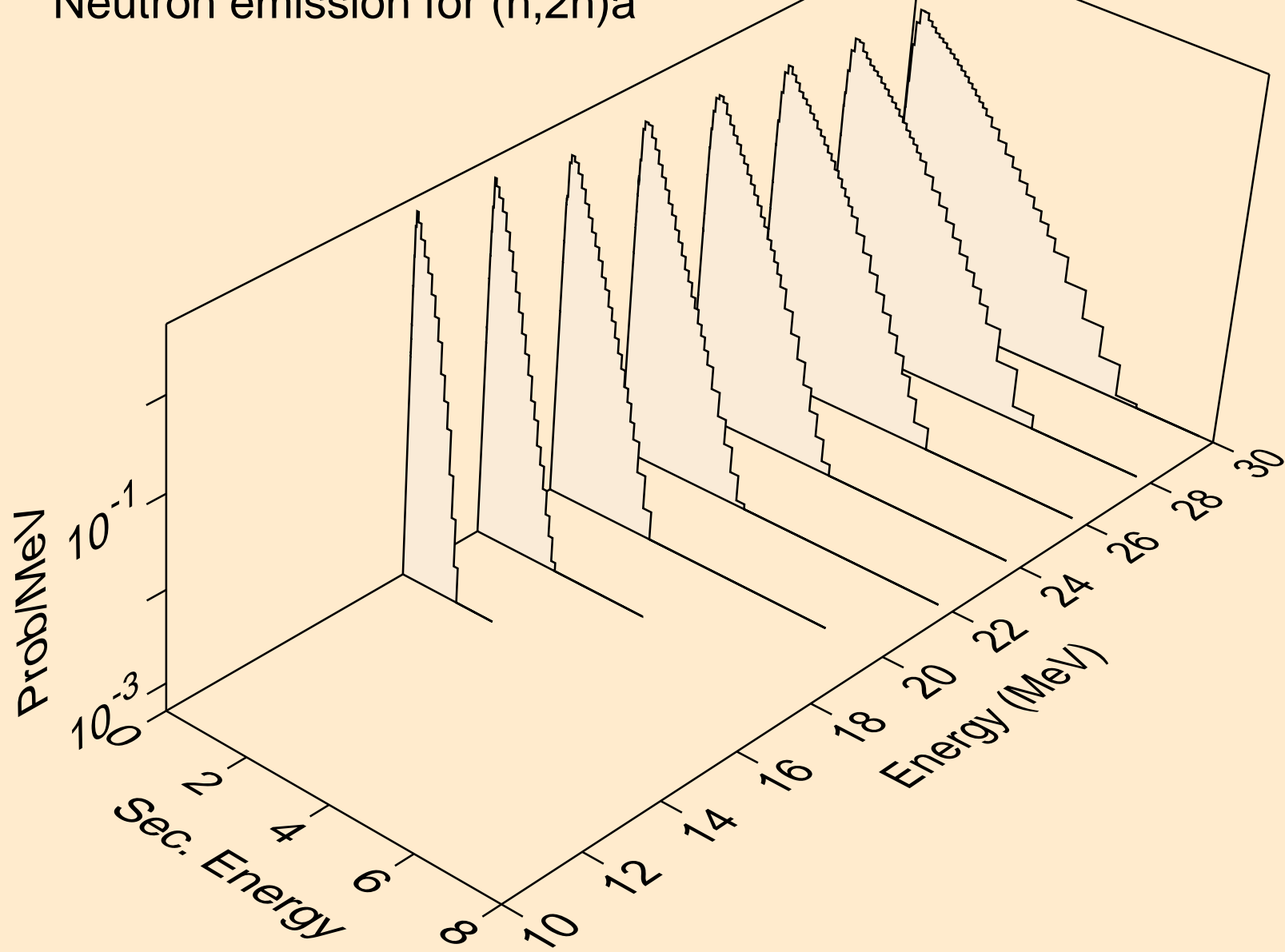
IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



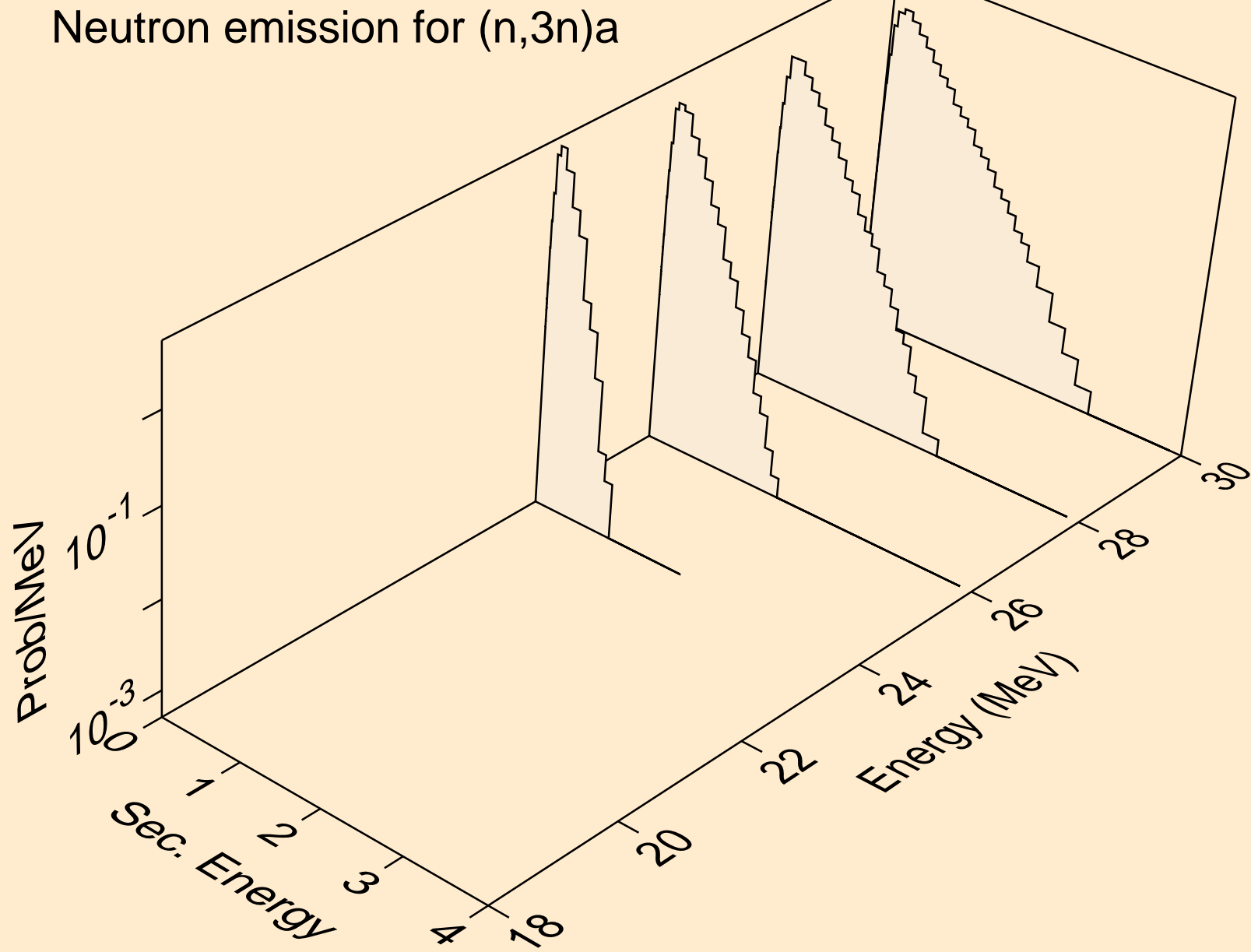
IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a

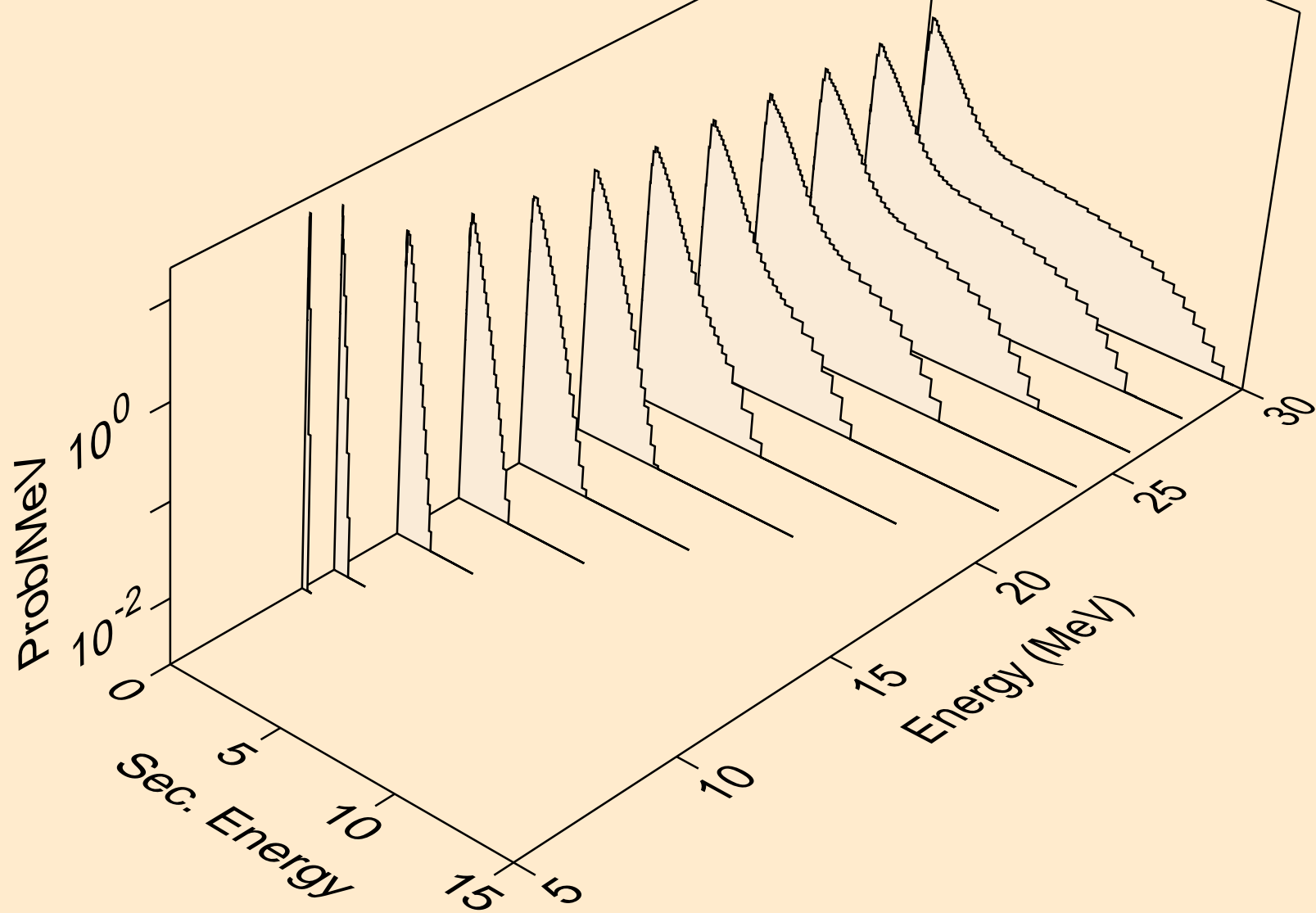


IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a

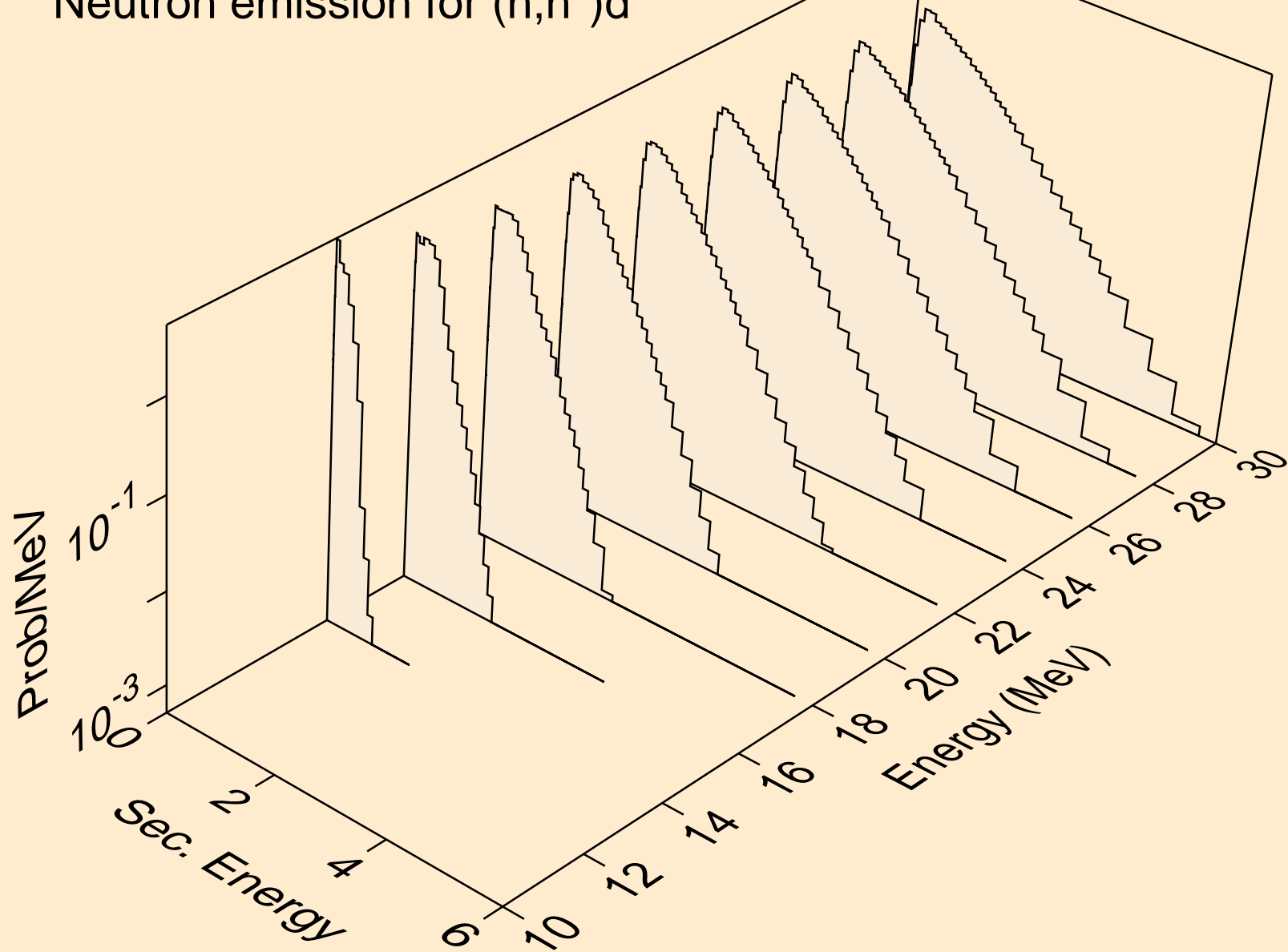




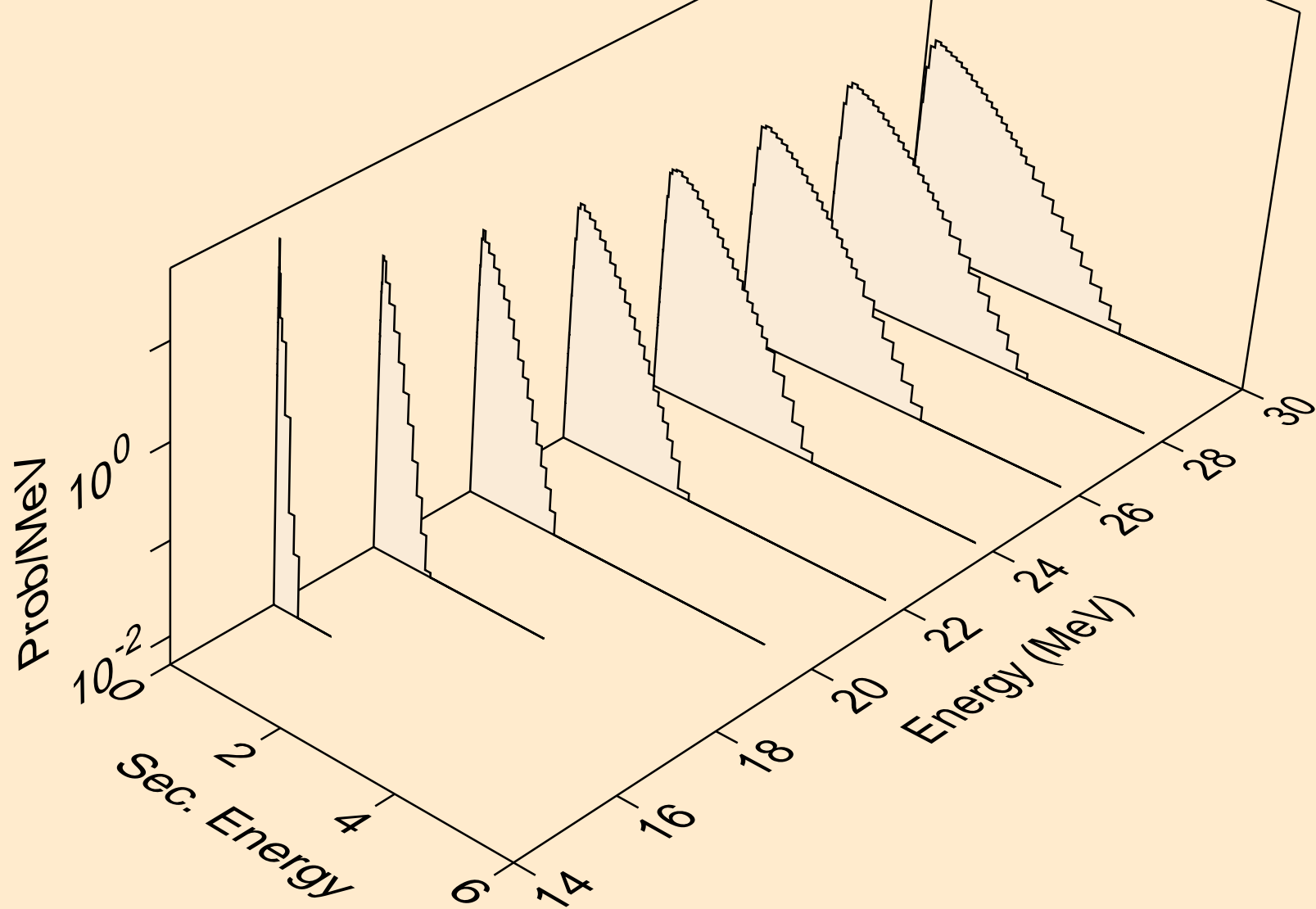
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Neutron emission for (n,n\*)p



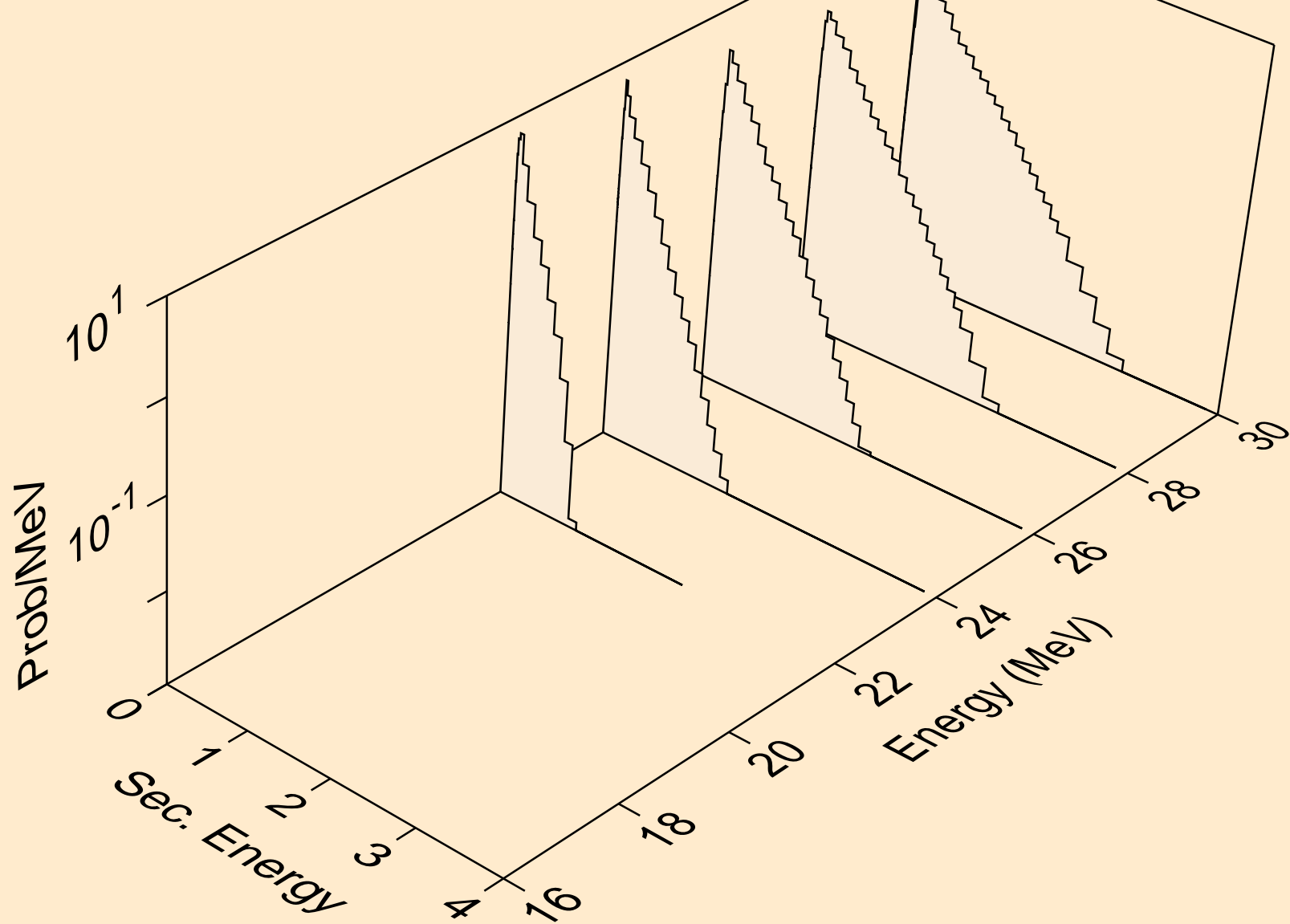
IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



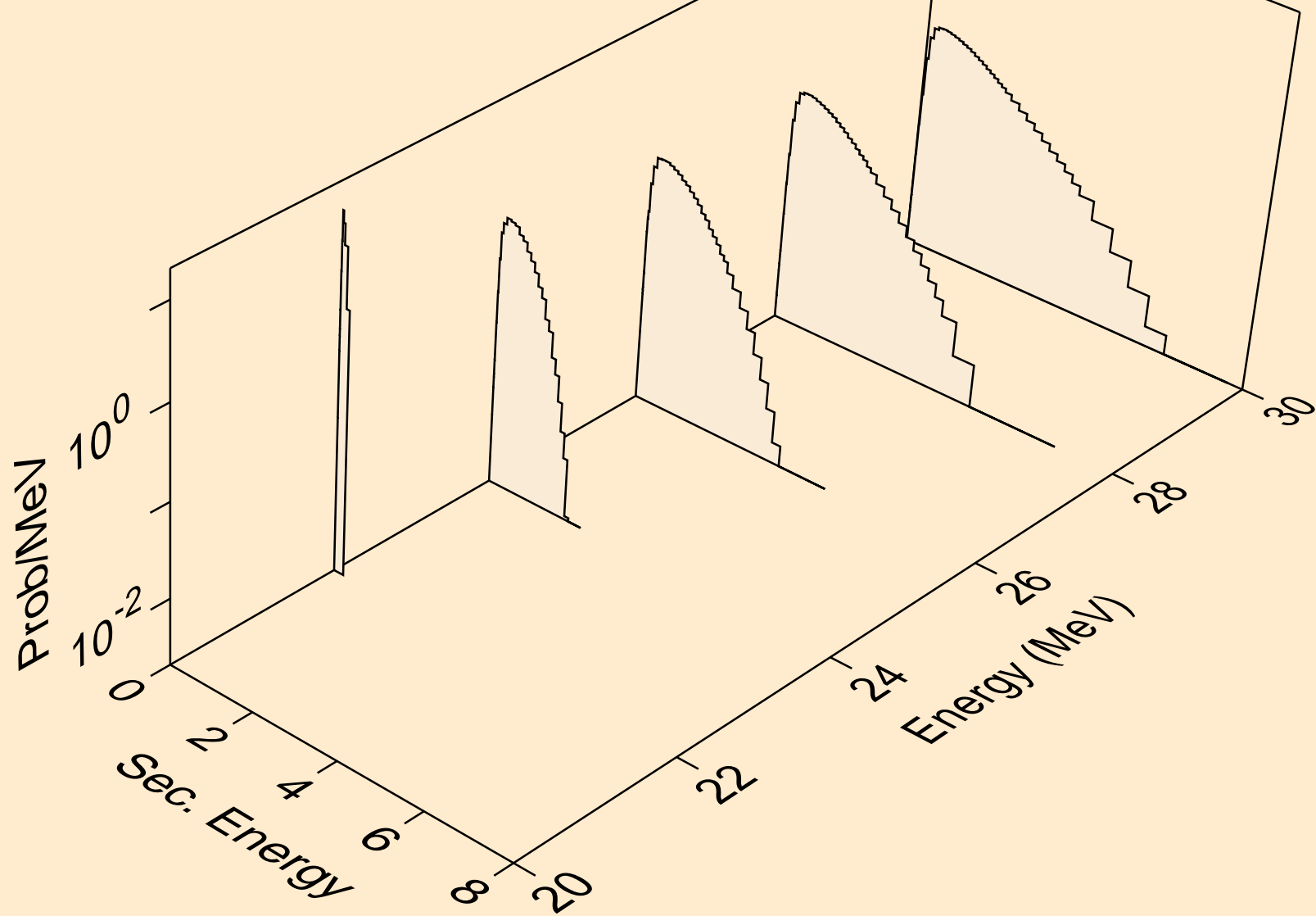
IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



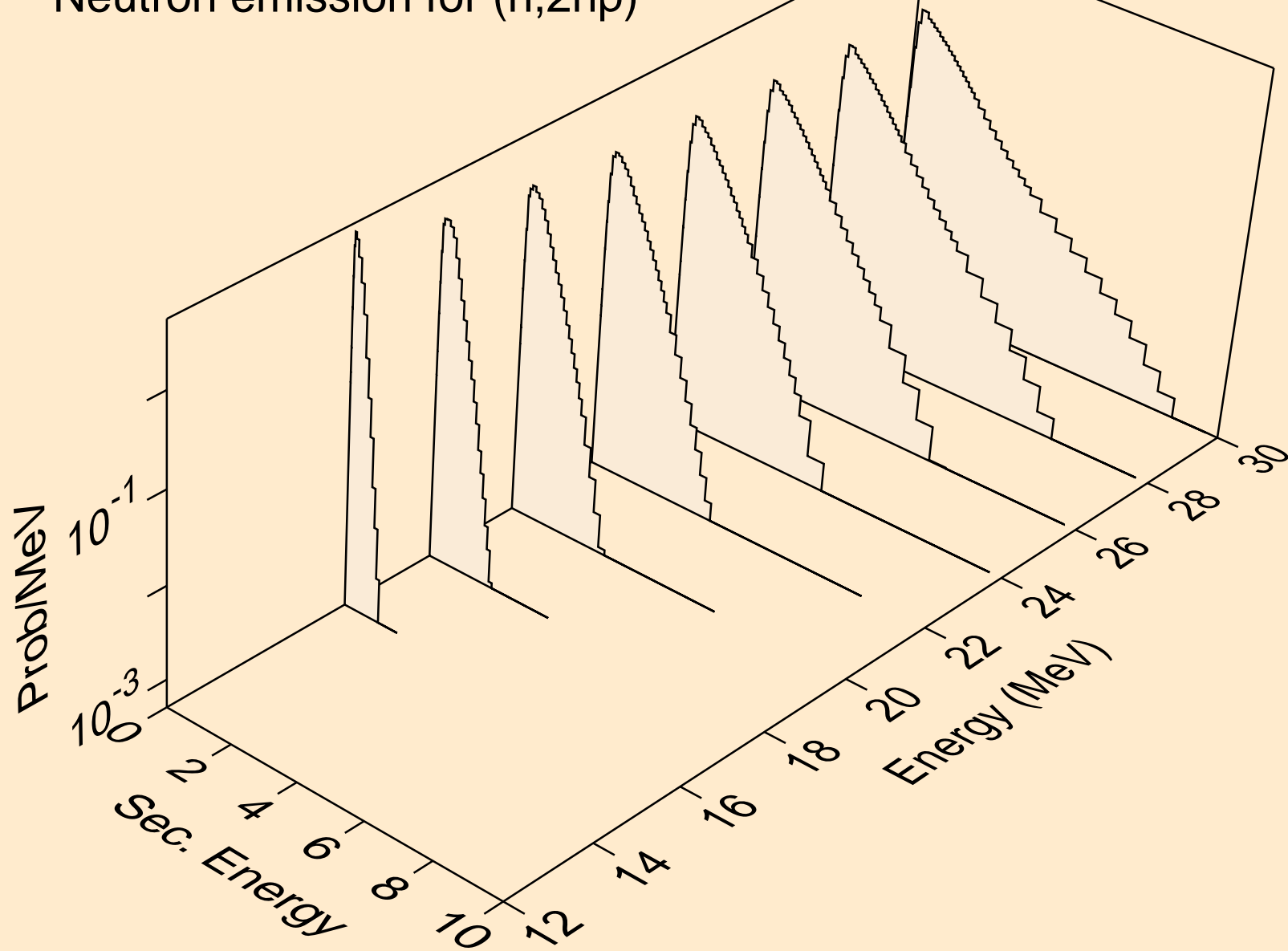
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Neutron emission for (n,n\*)he3



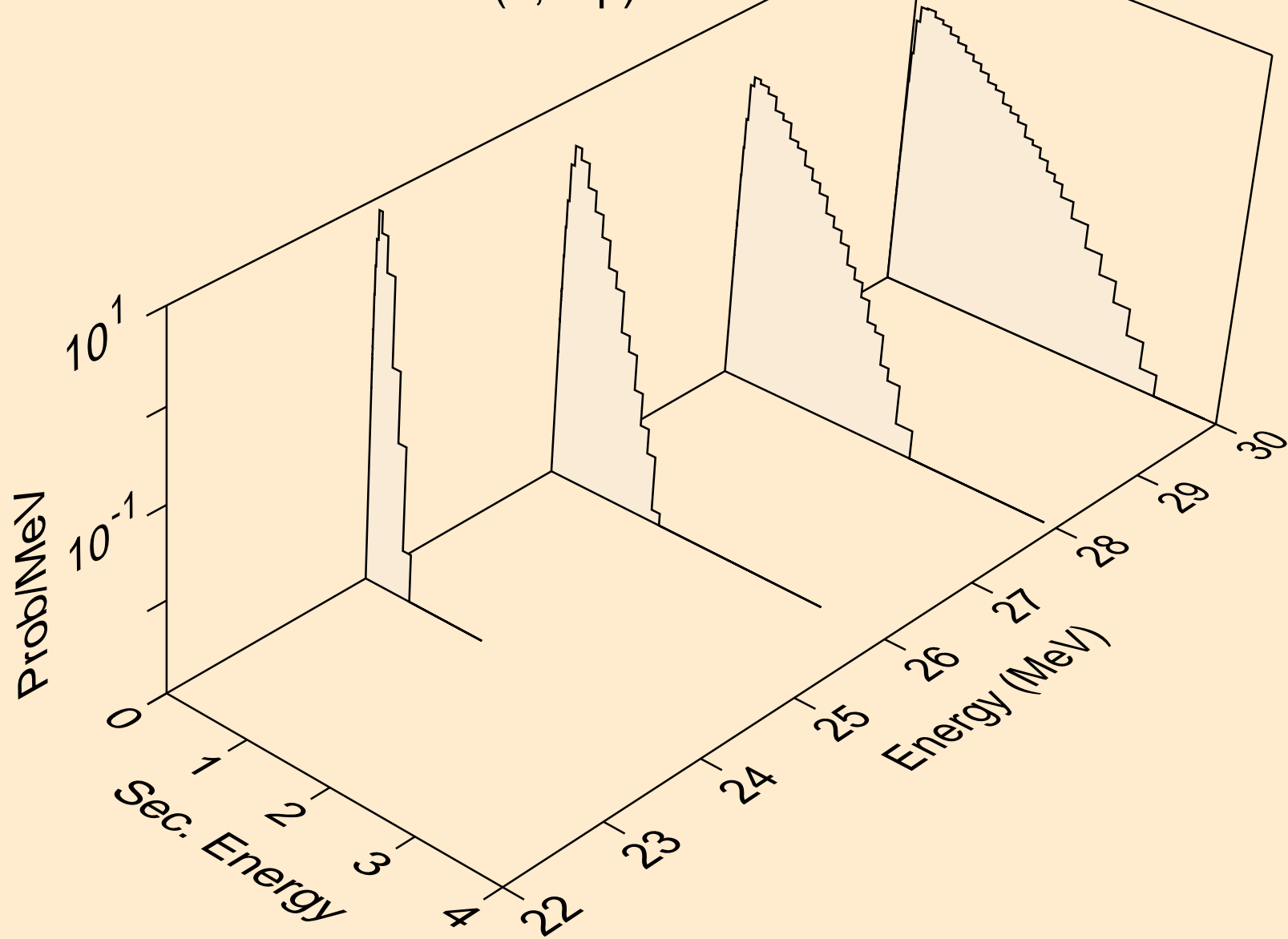
IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



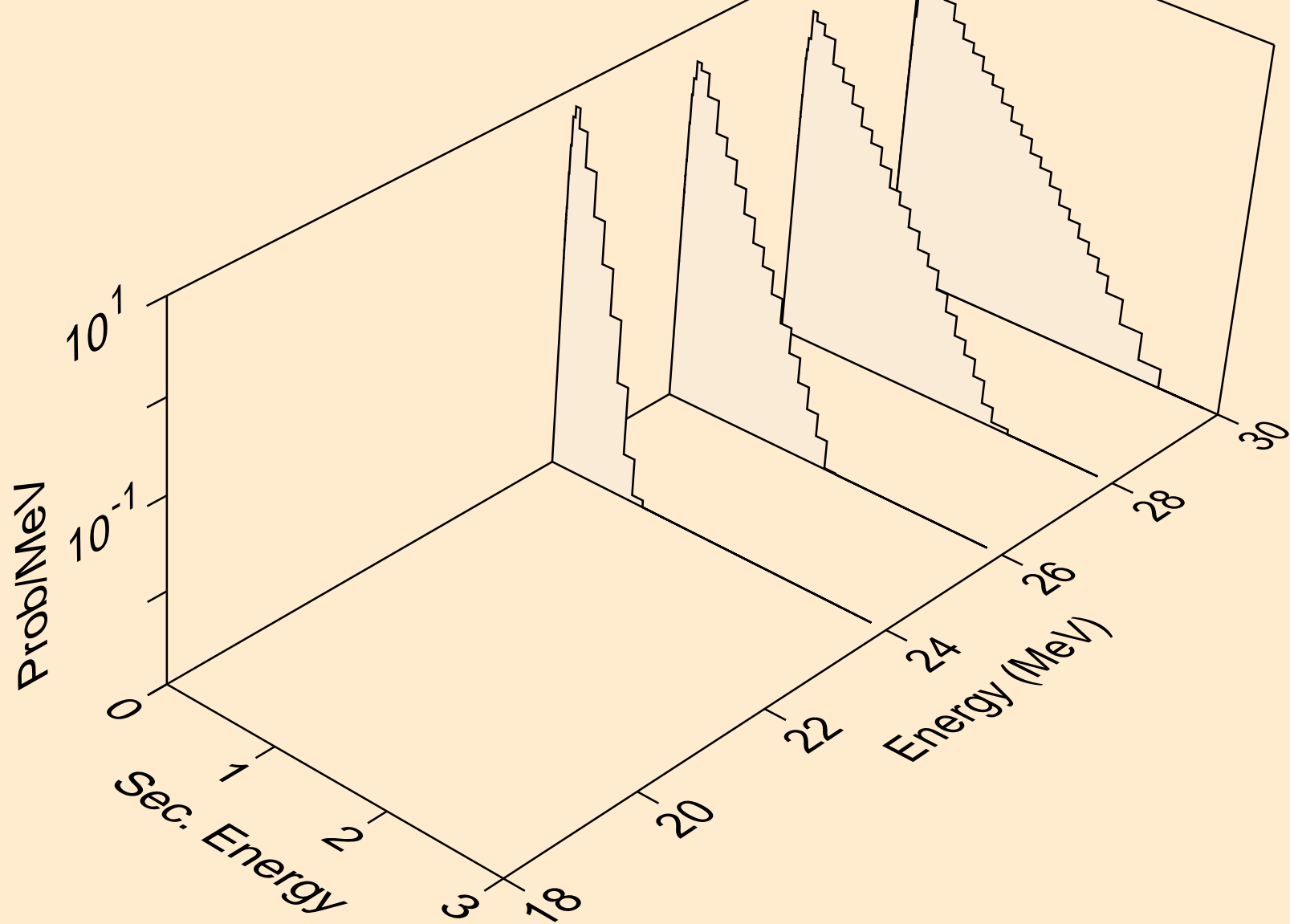
IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)

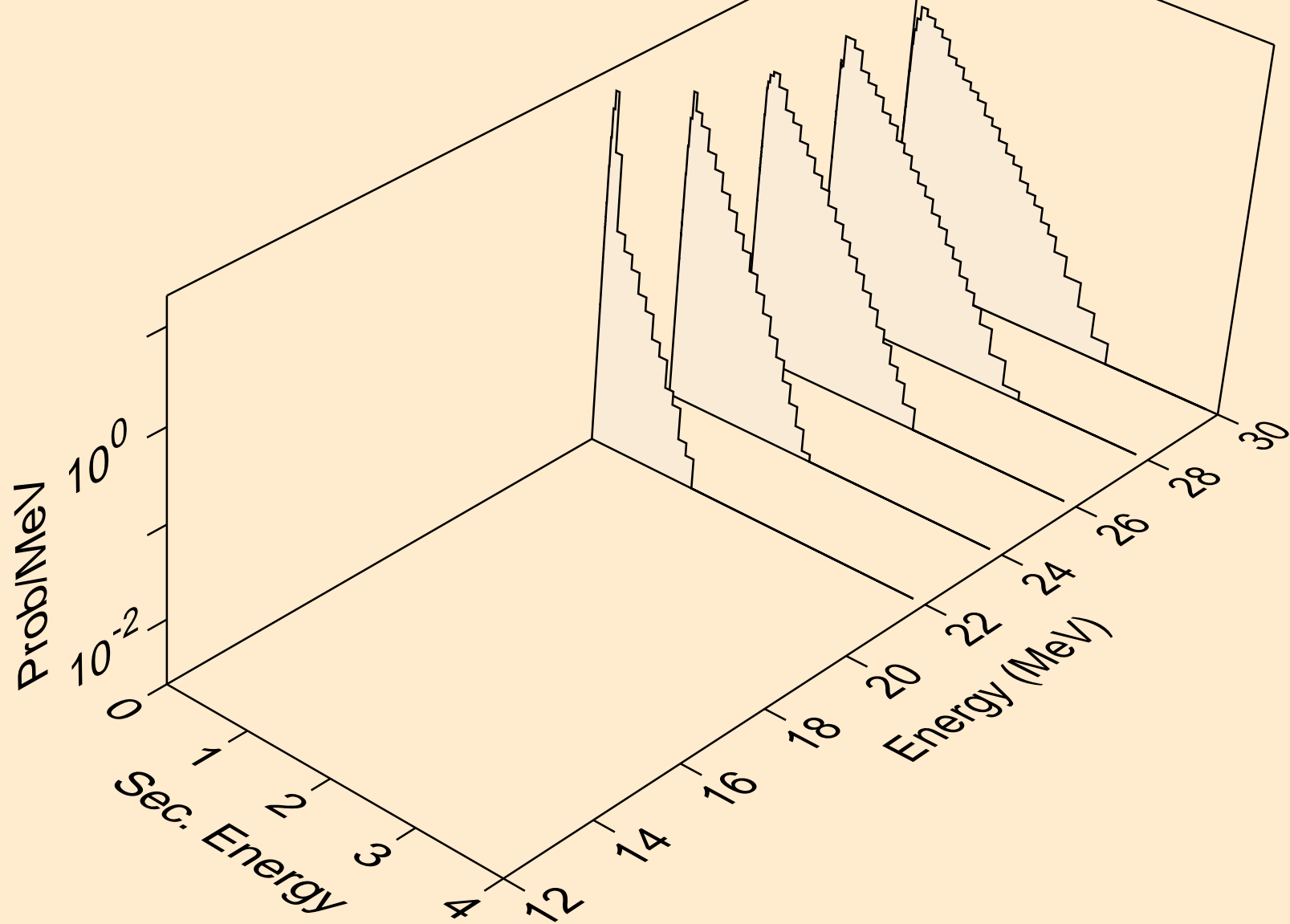


IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)

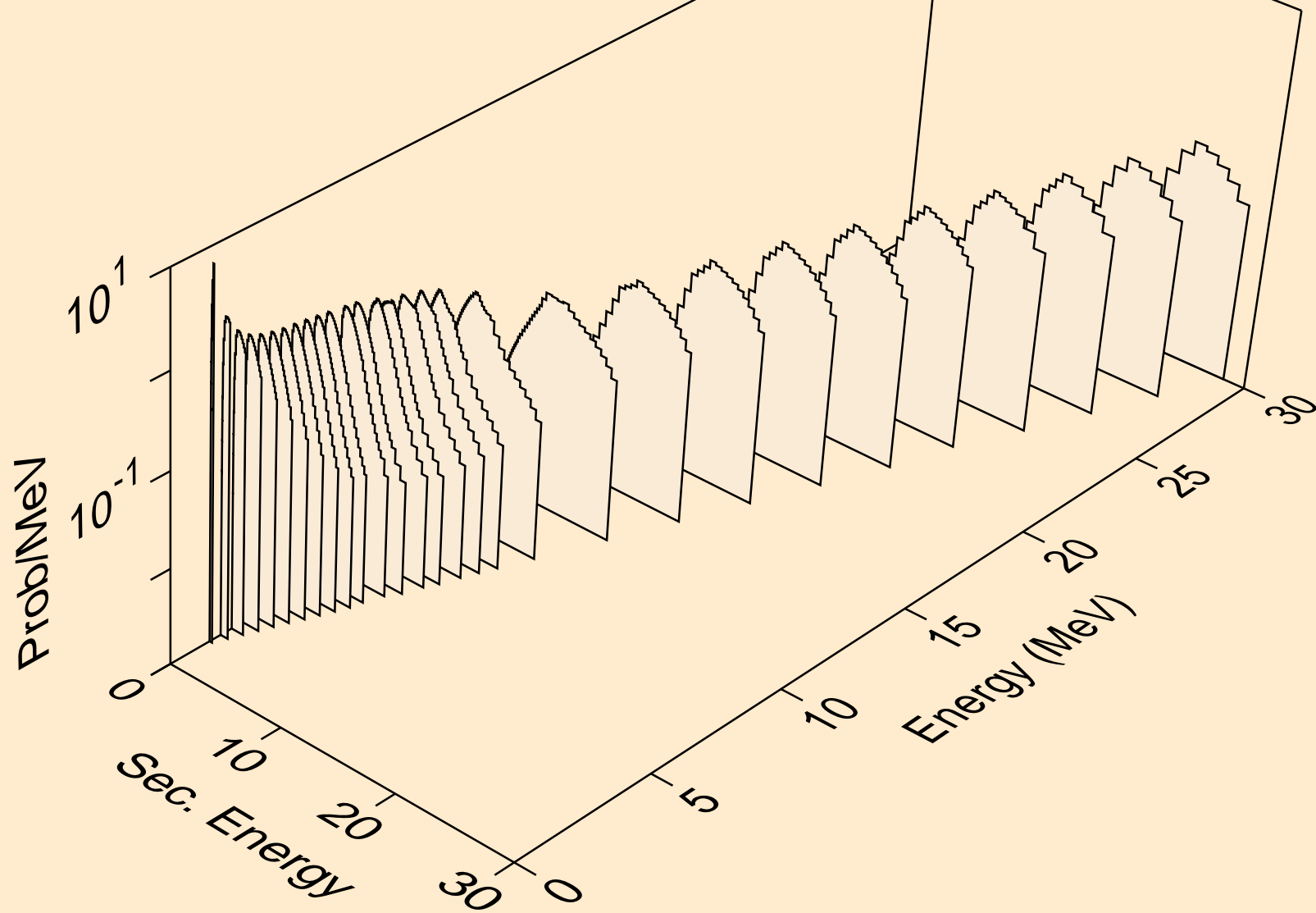




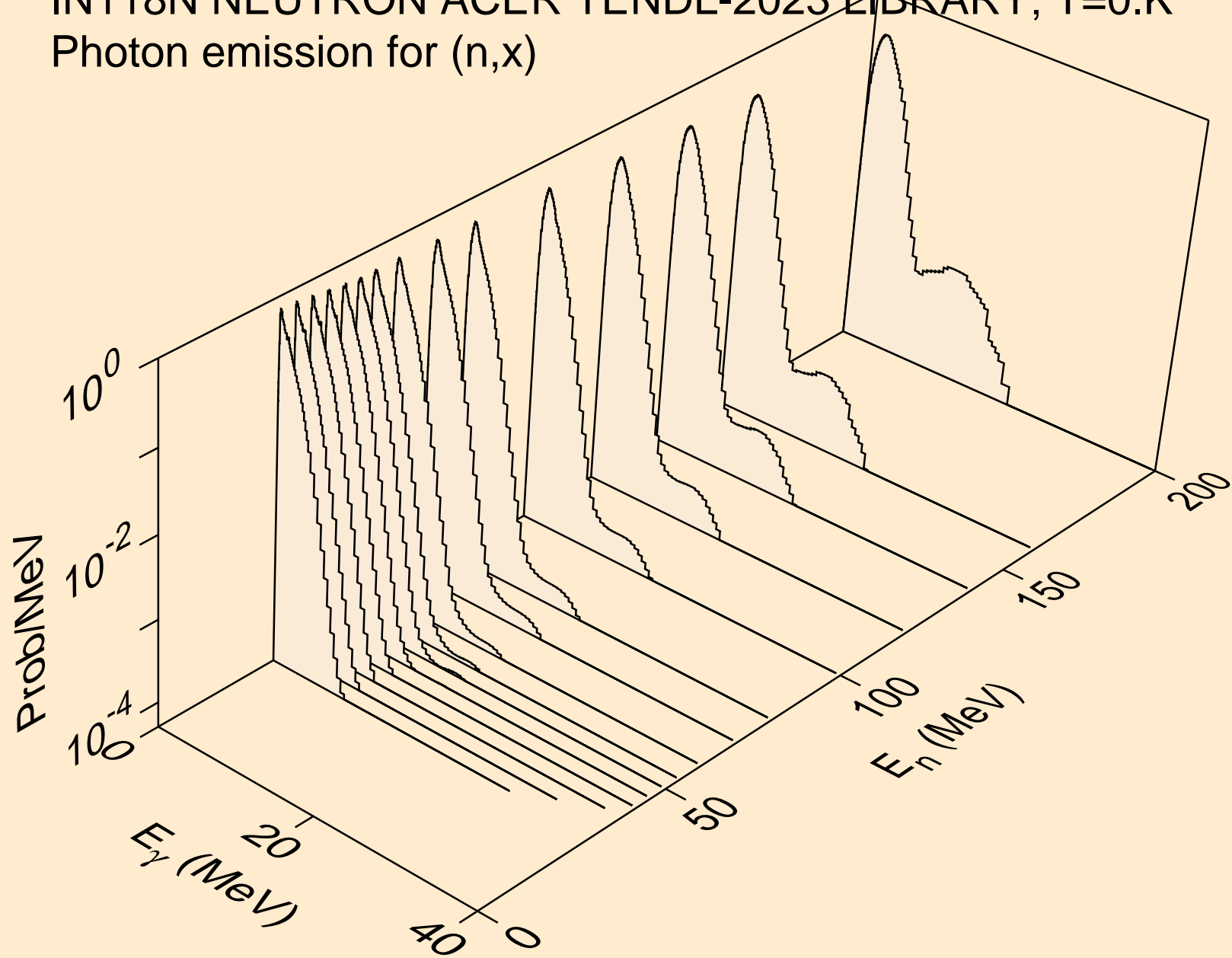
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Neutron emission for (n,npa)



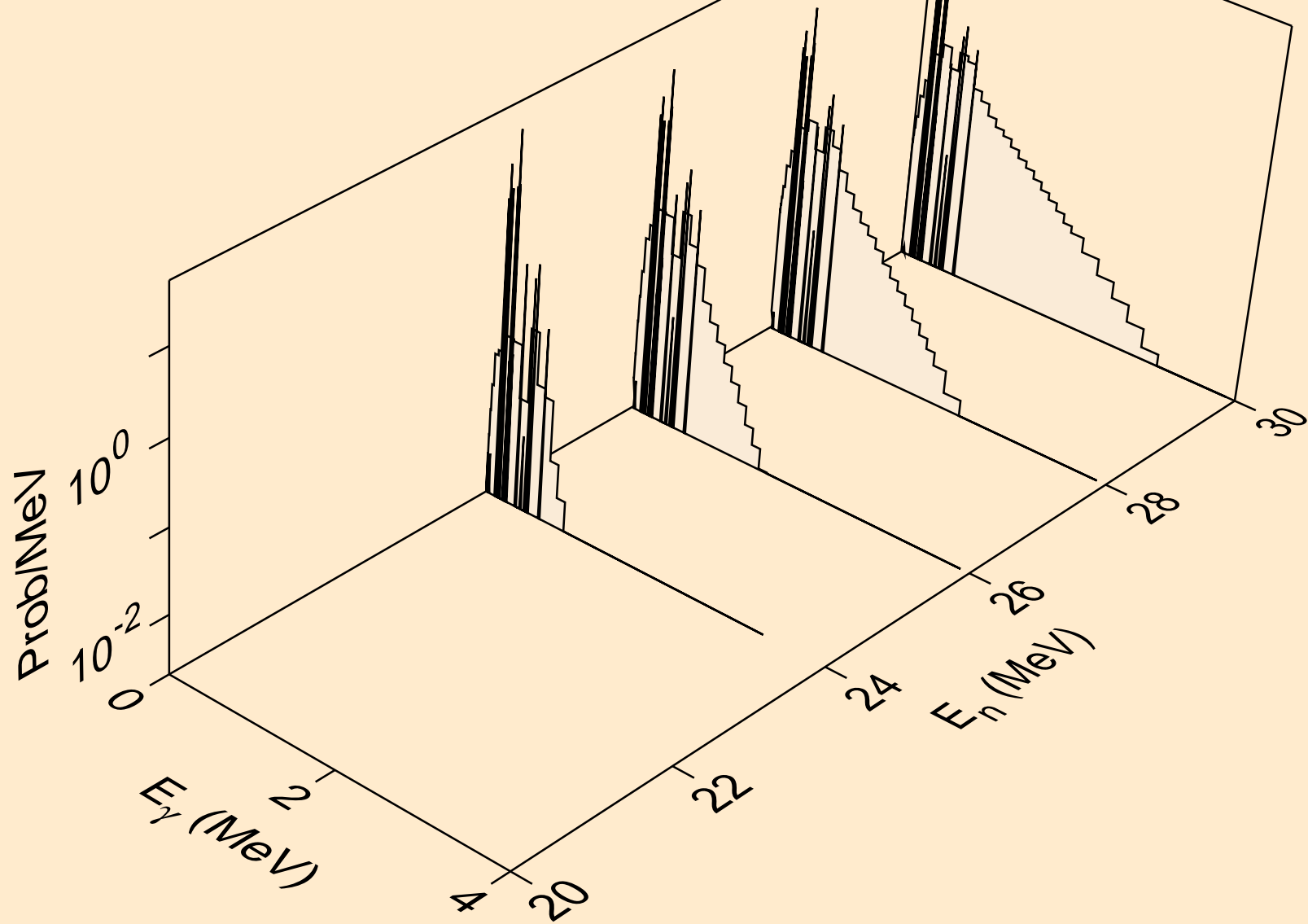
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Neutron emission for (n,n\*c)



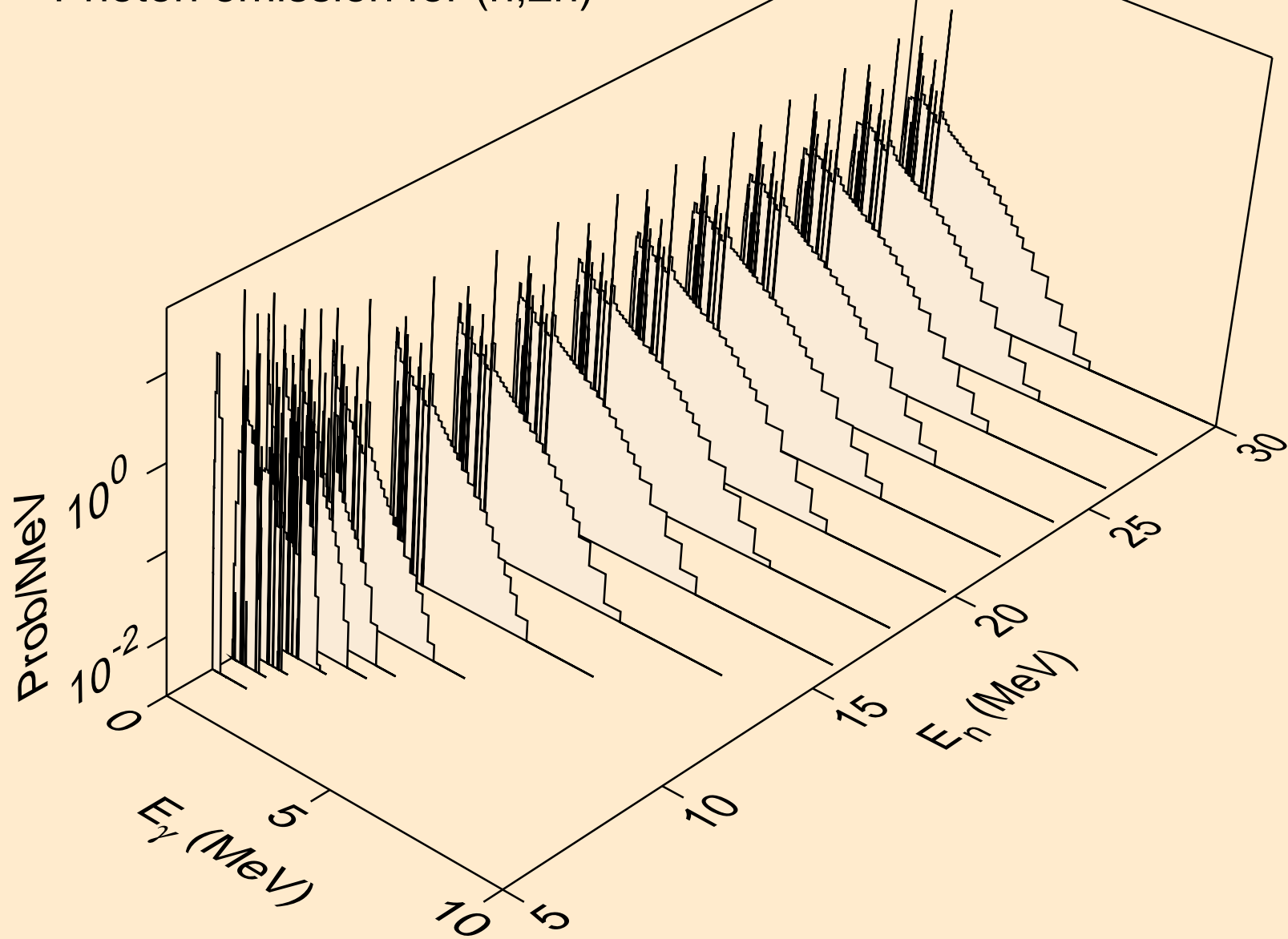
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Photon emission for (n,x)



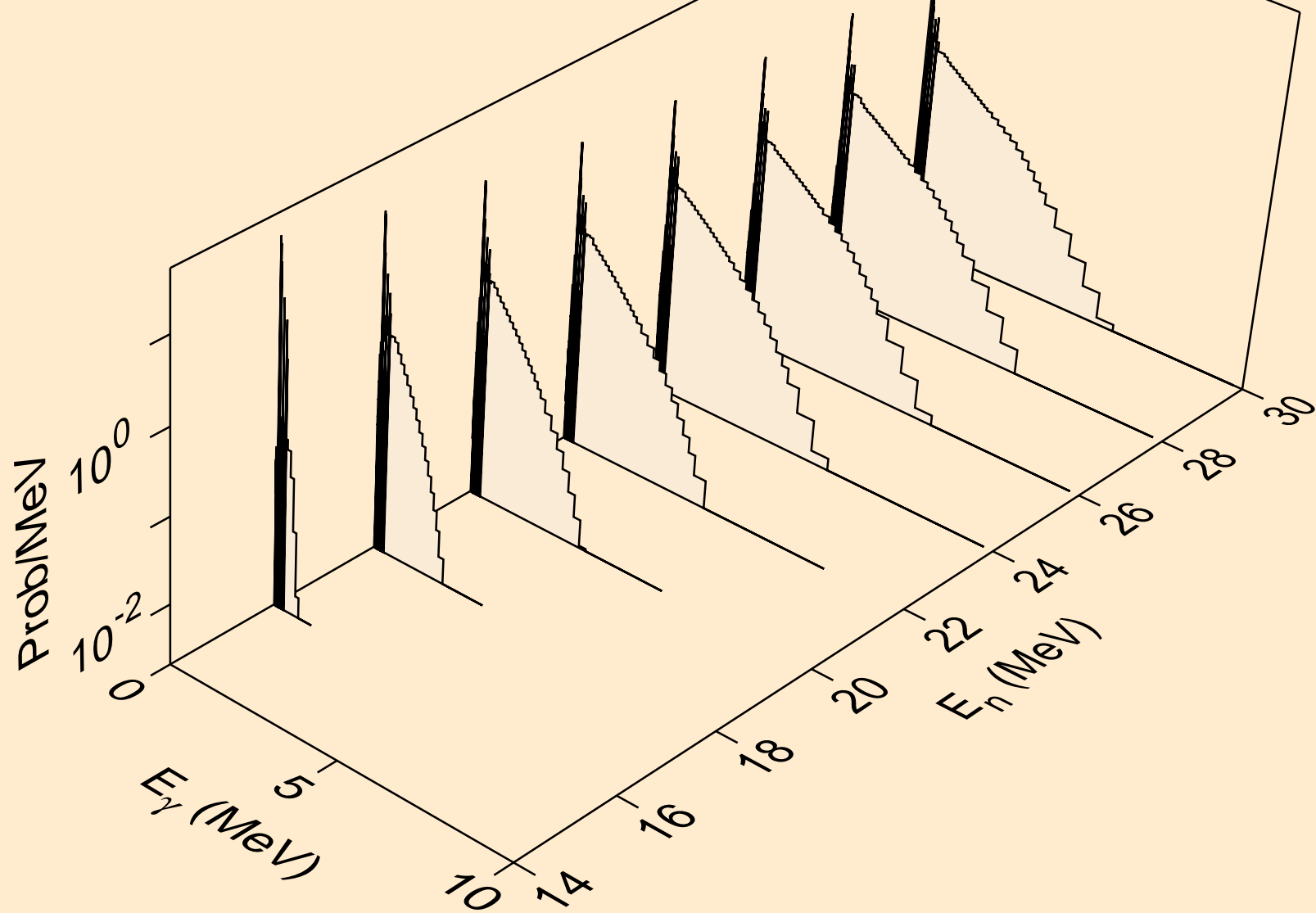
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Photon emission for (n,2nd)



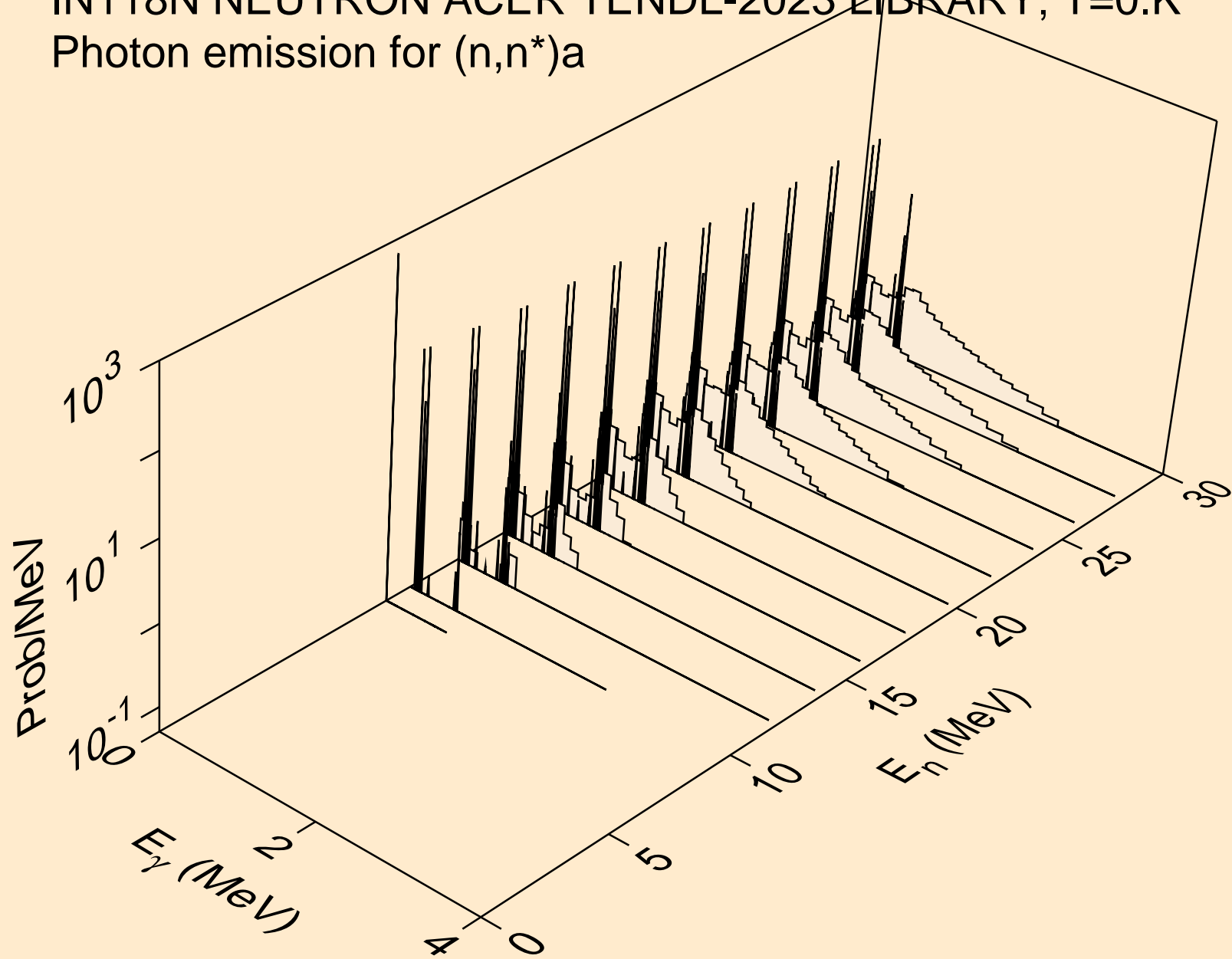
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Photon emission for (n,2n)



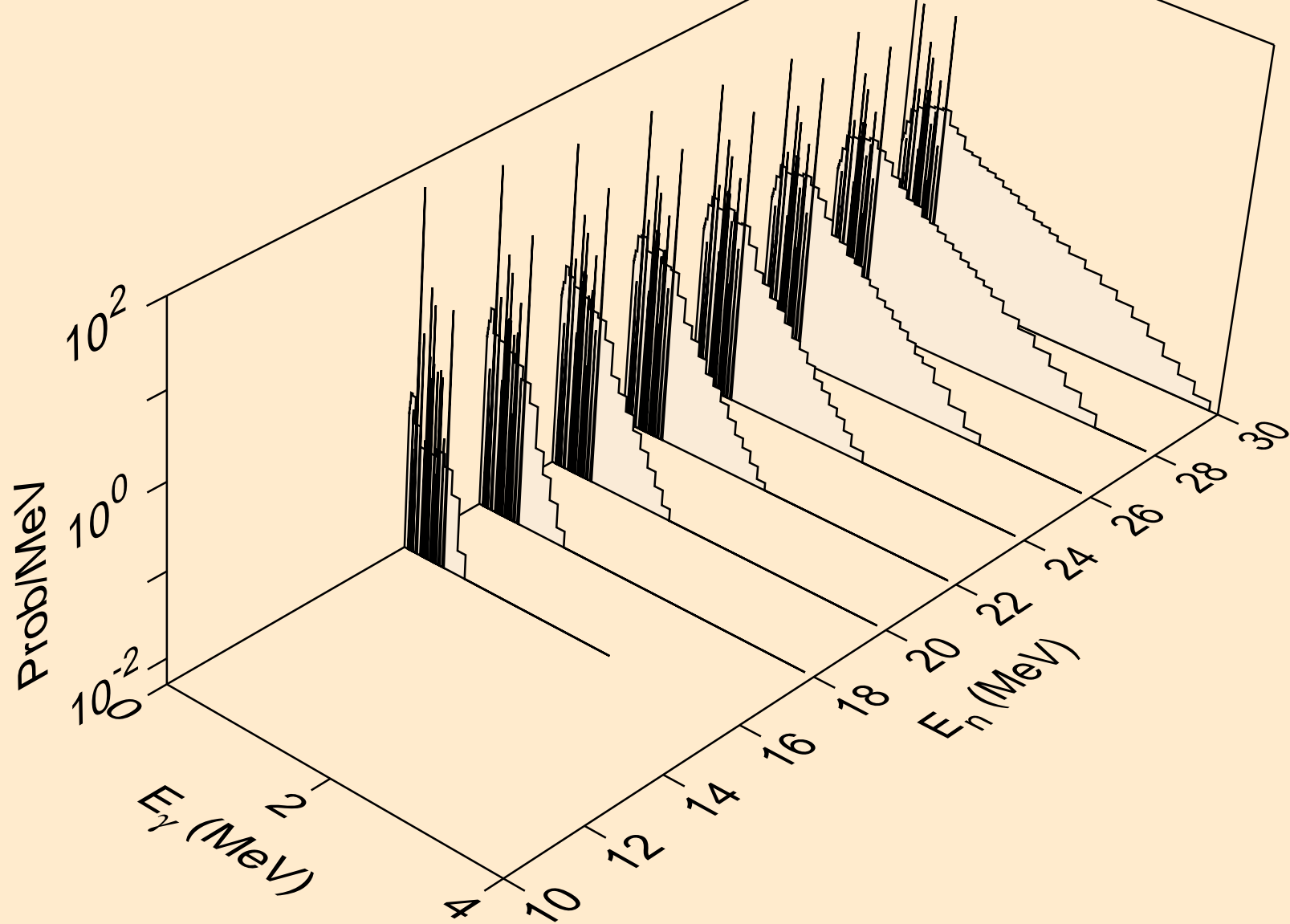
IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

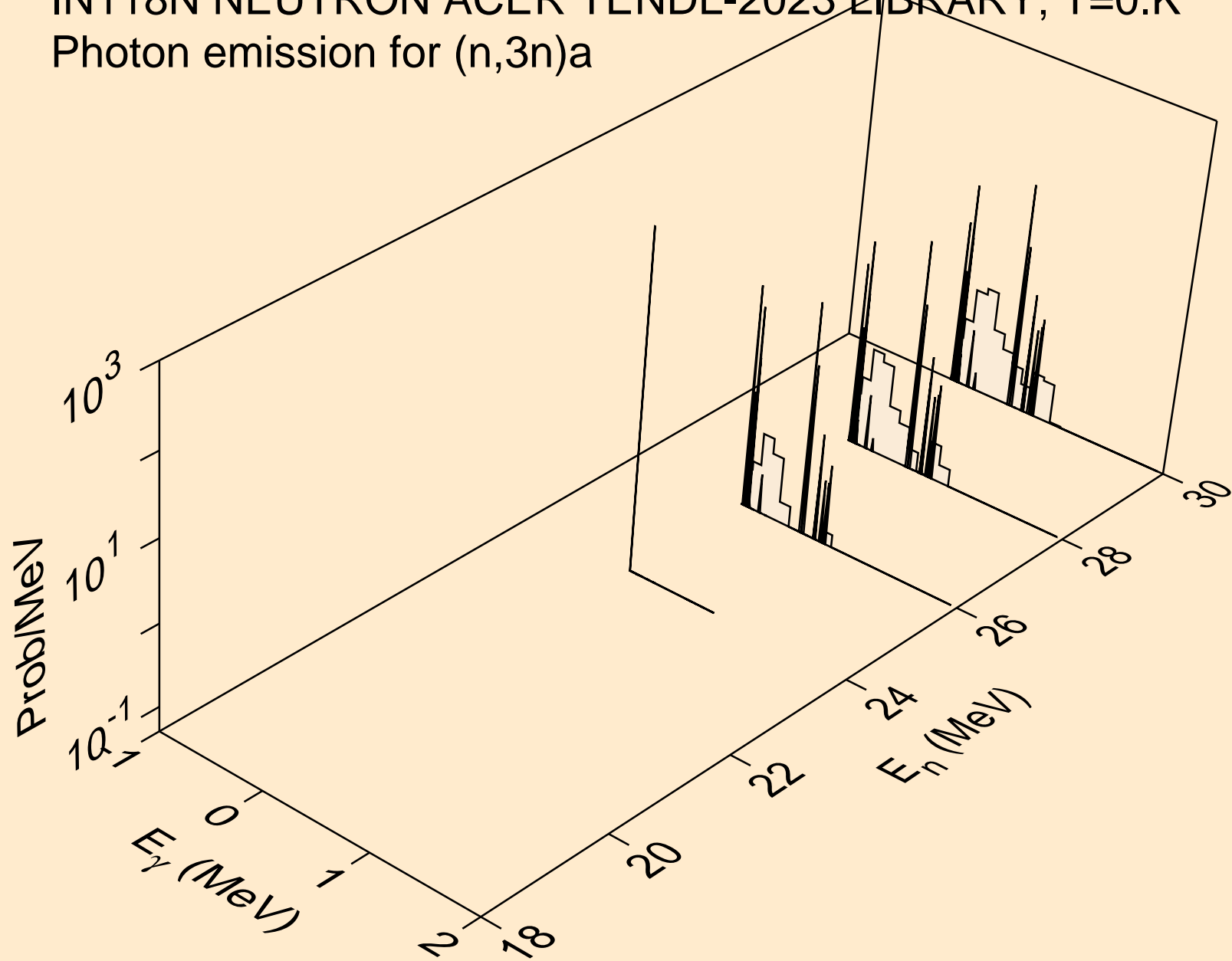


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Photon emission for (n,2n)a

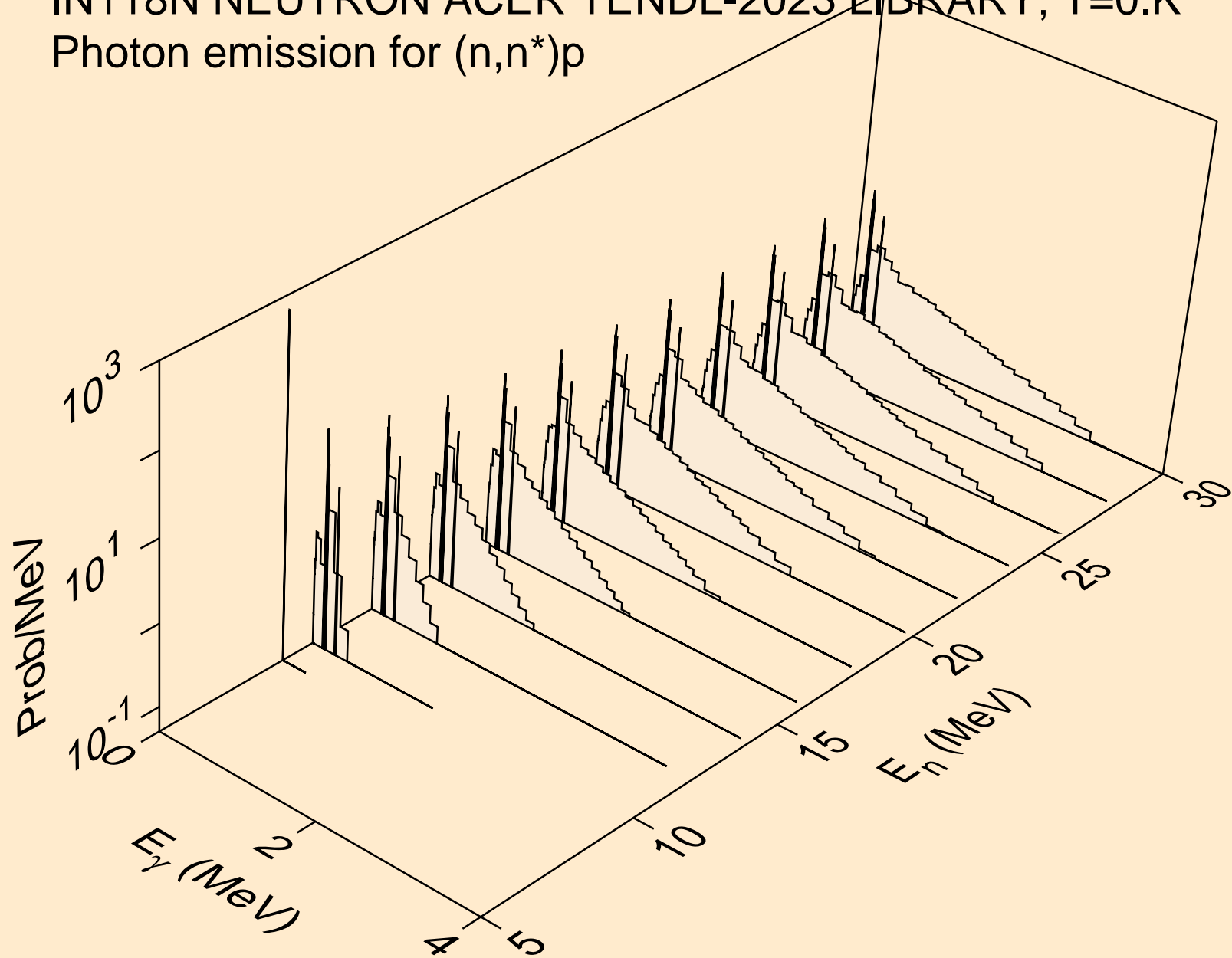




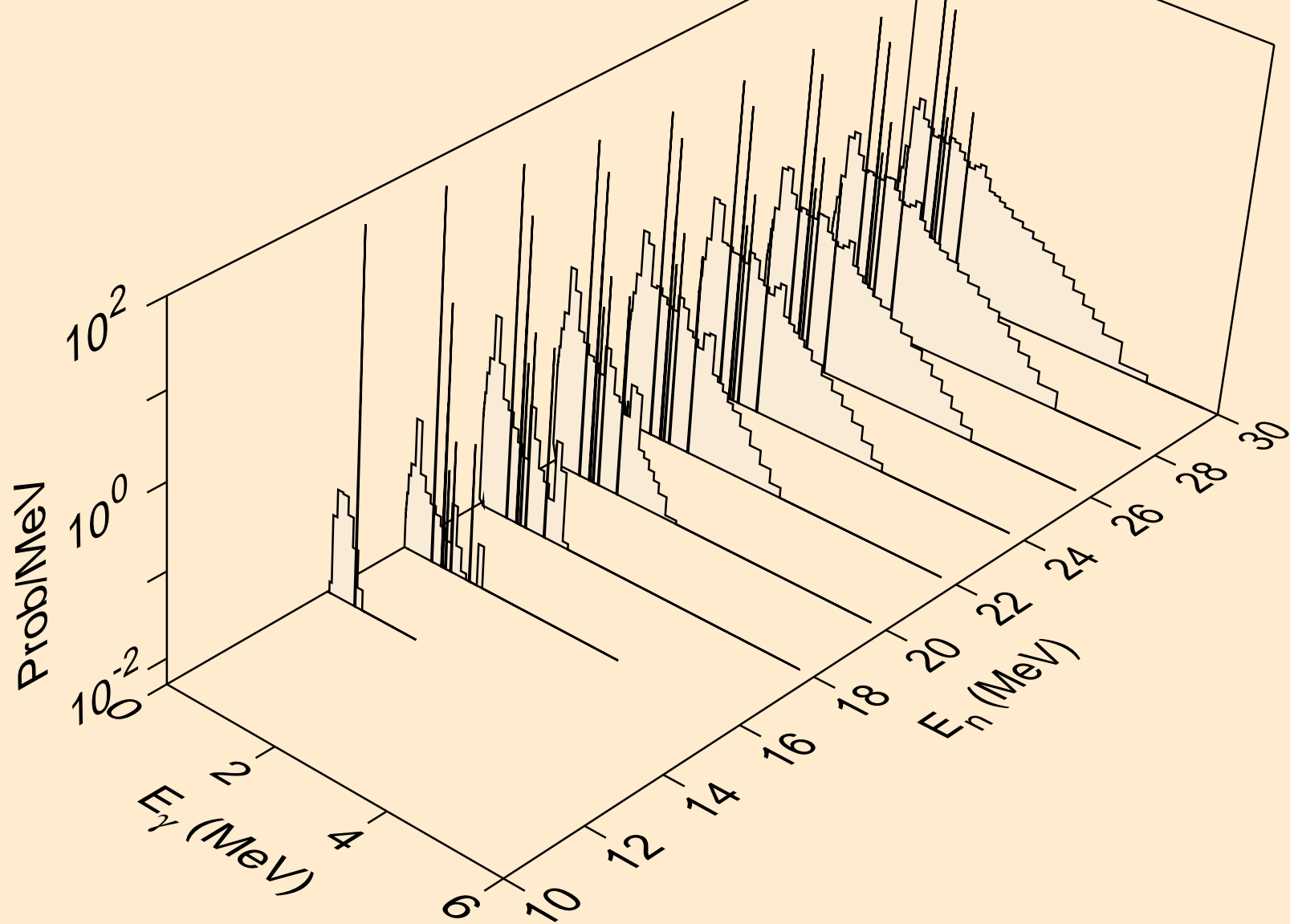
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Photon emission for (n,3n)a



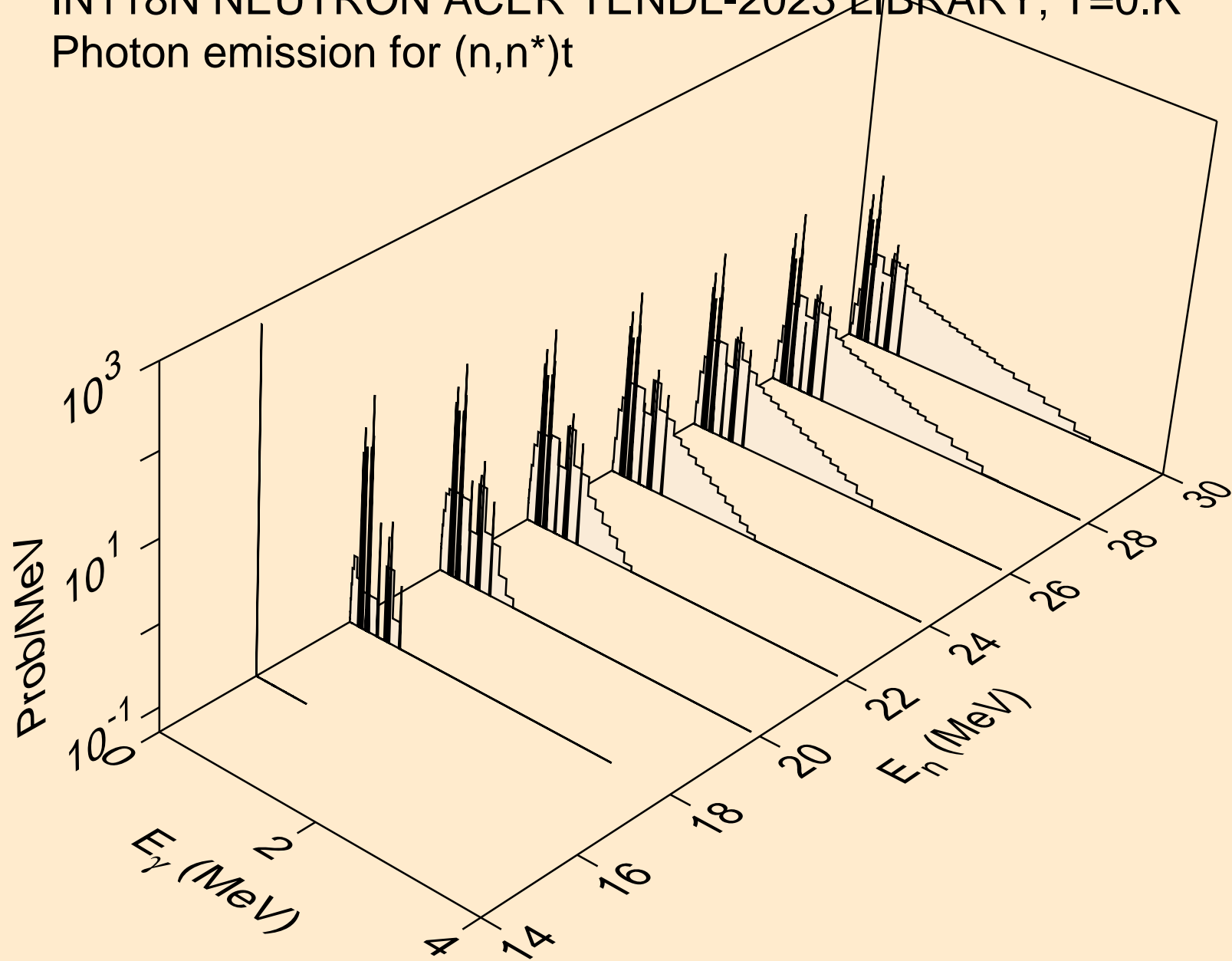
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Photon emission for (n,n\*)p



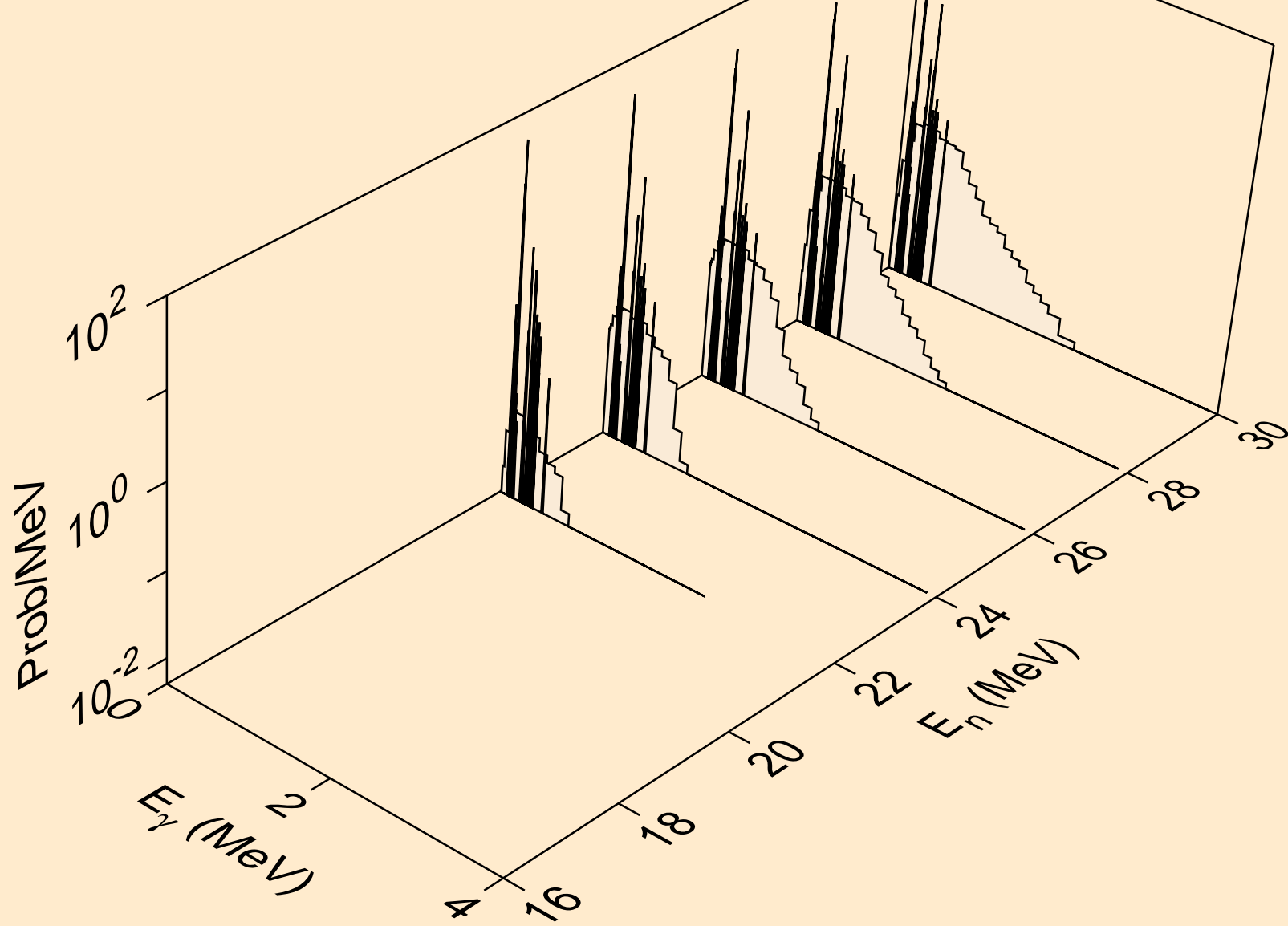
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Photon emission for (n,n\*)d



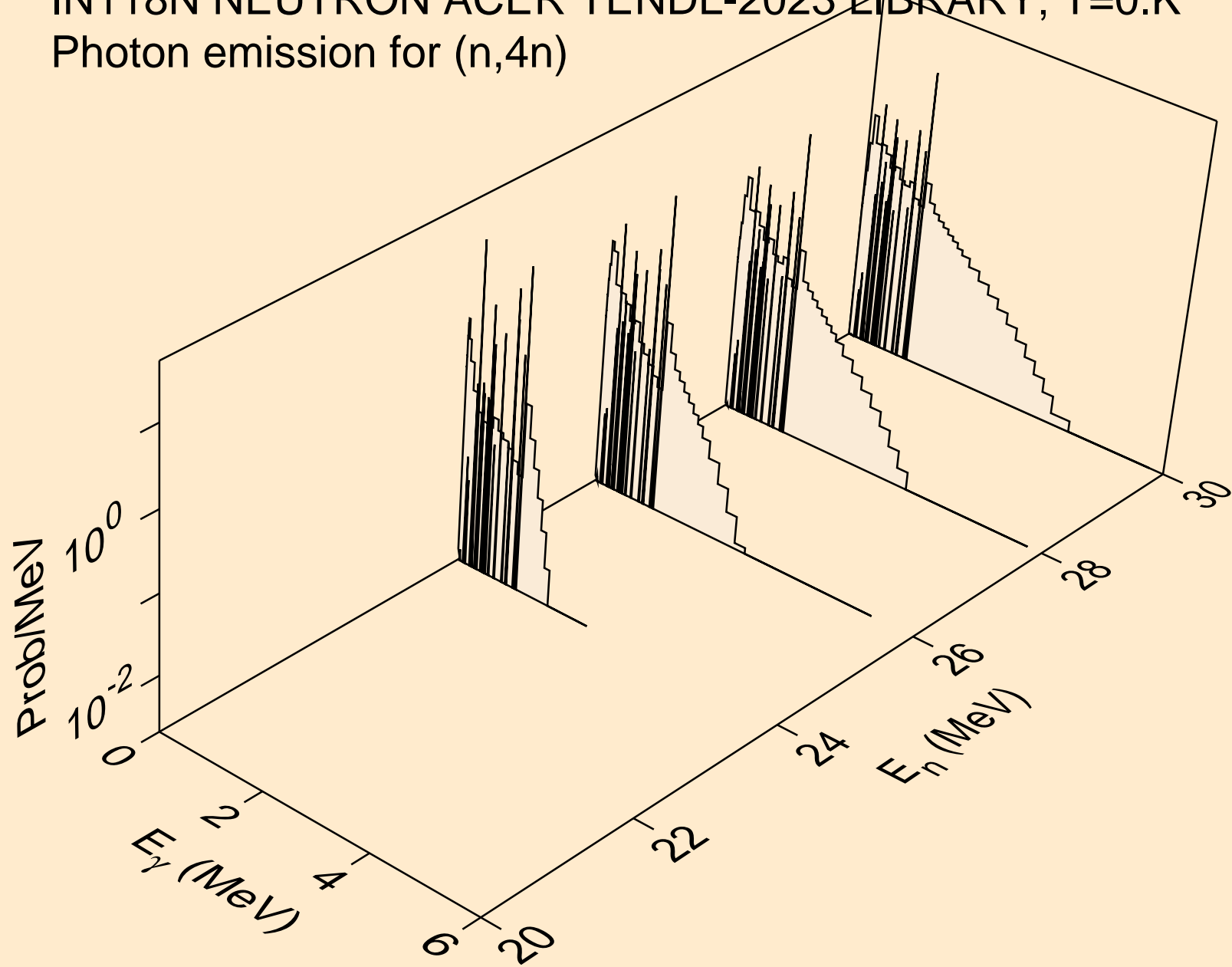
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Photon emission for (n,n\*)t



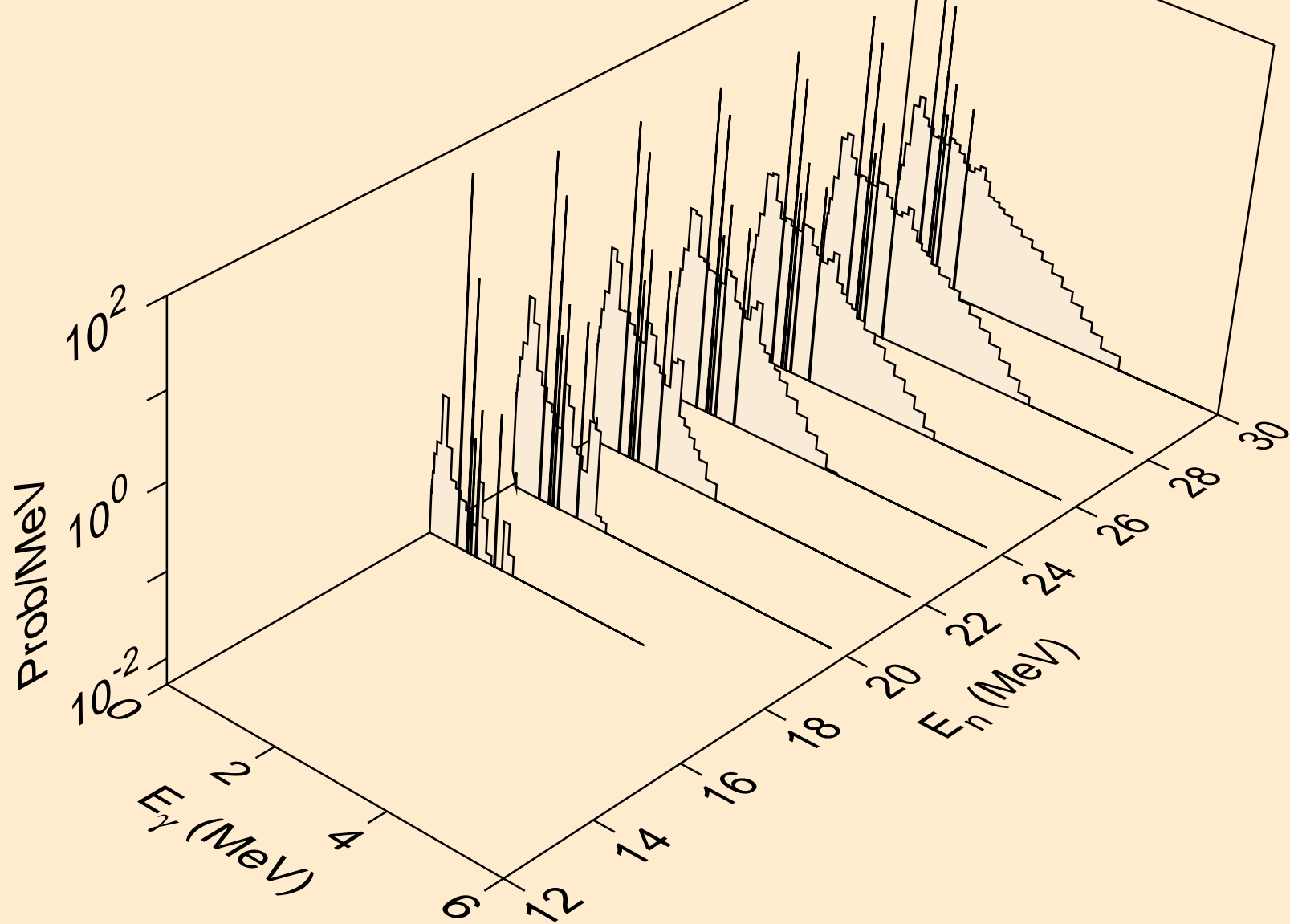
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Photon emission for (n,n\*)he3



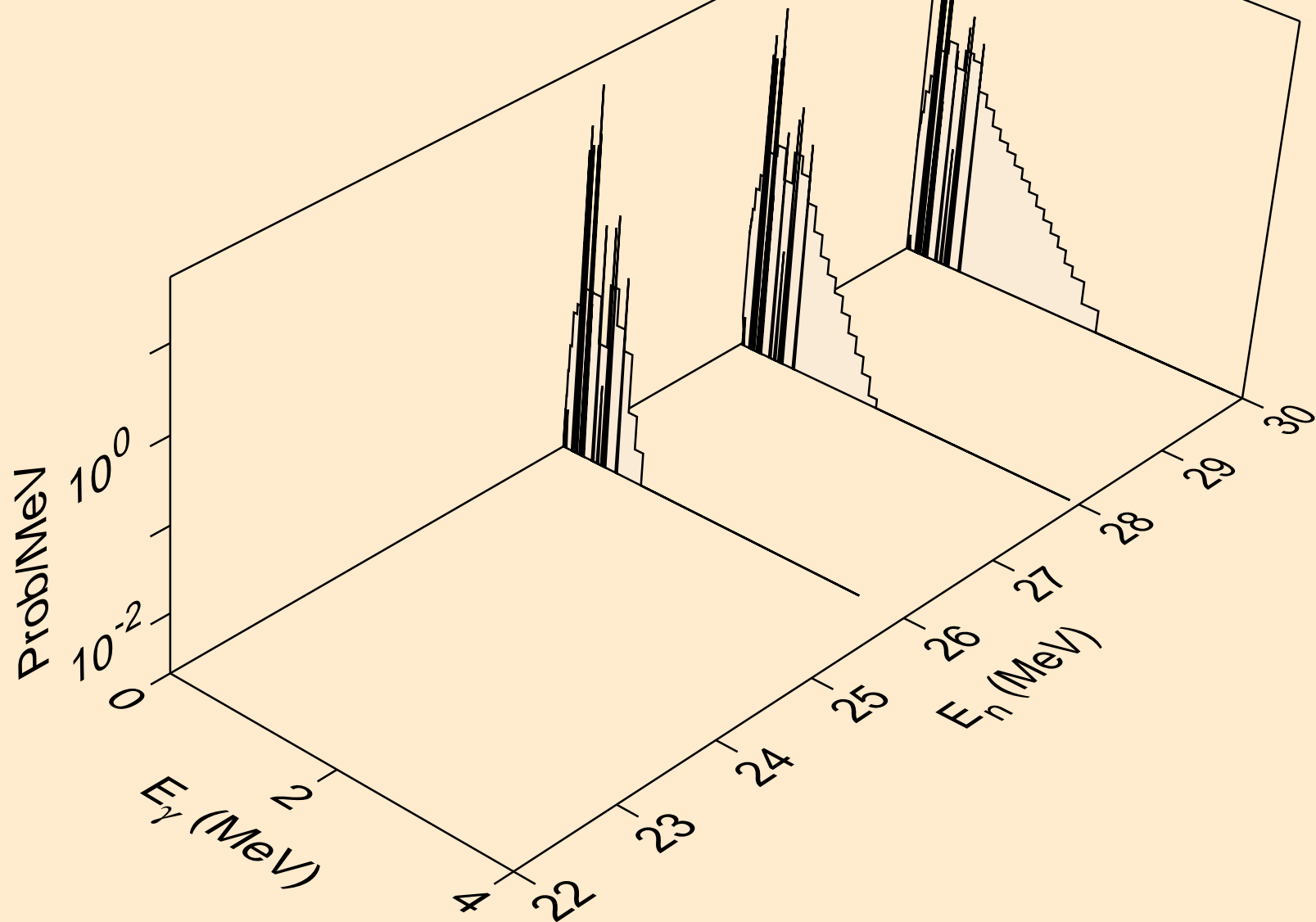
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Photon emission for (n,4n)



IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

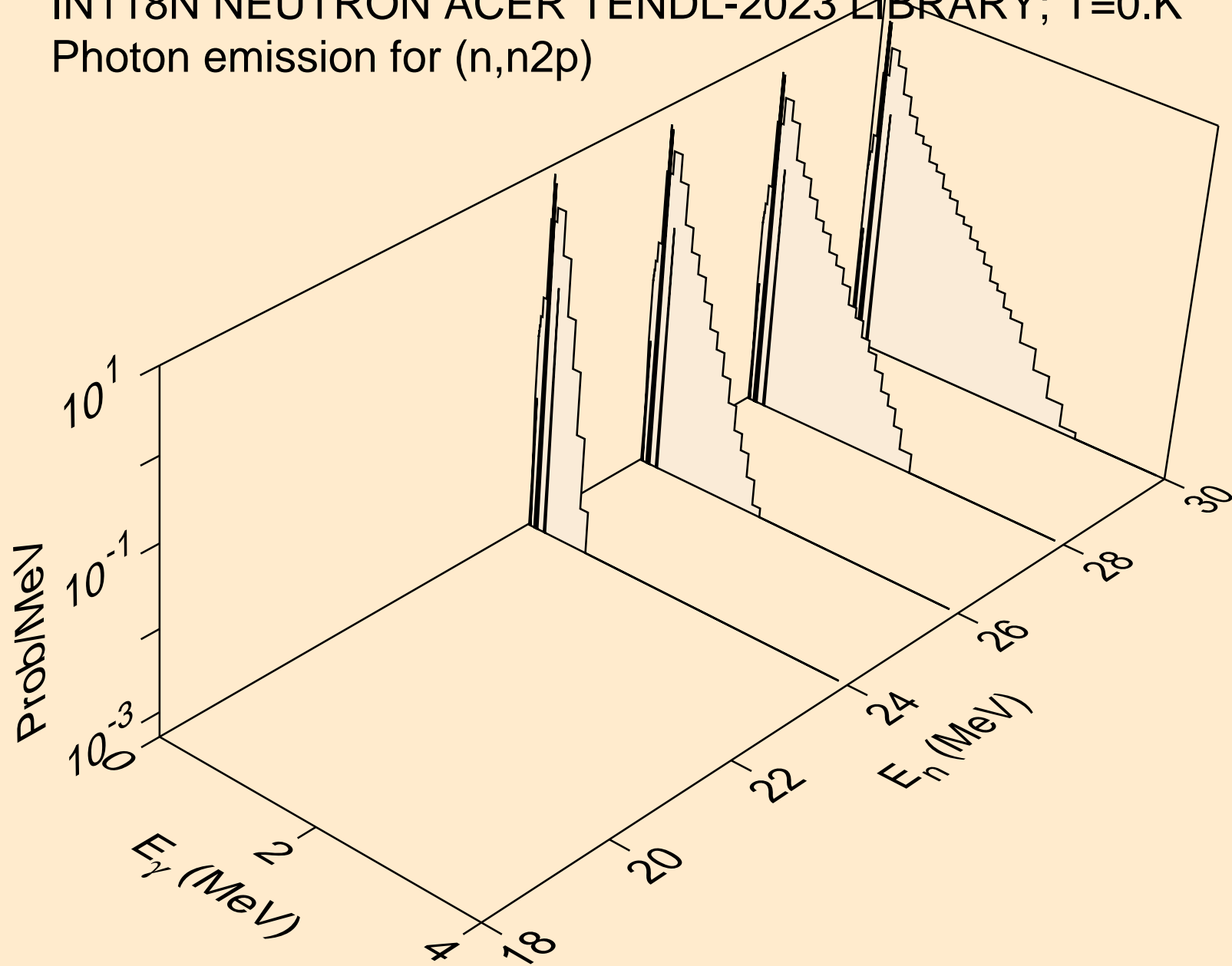


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Photon emission for (n,3np)

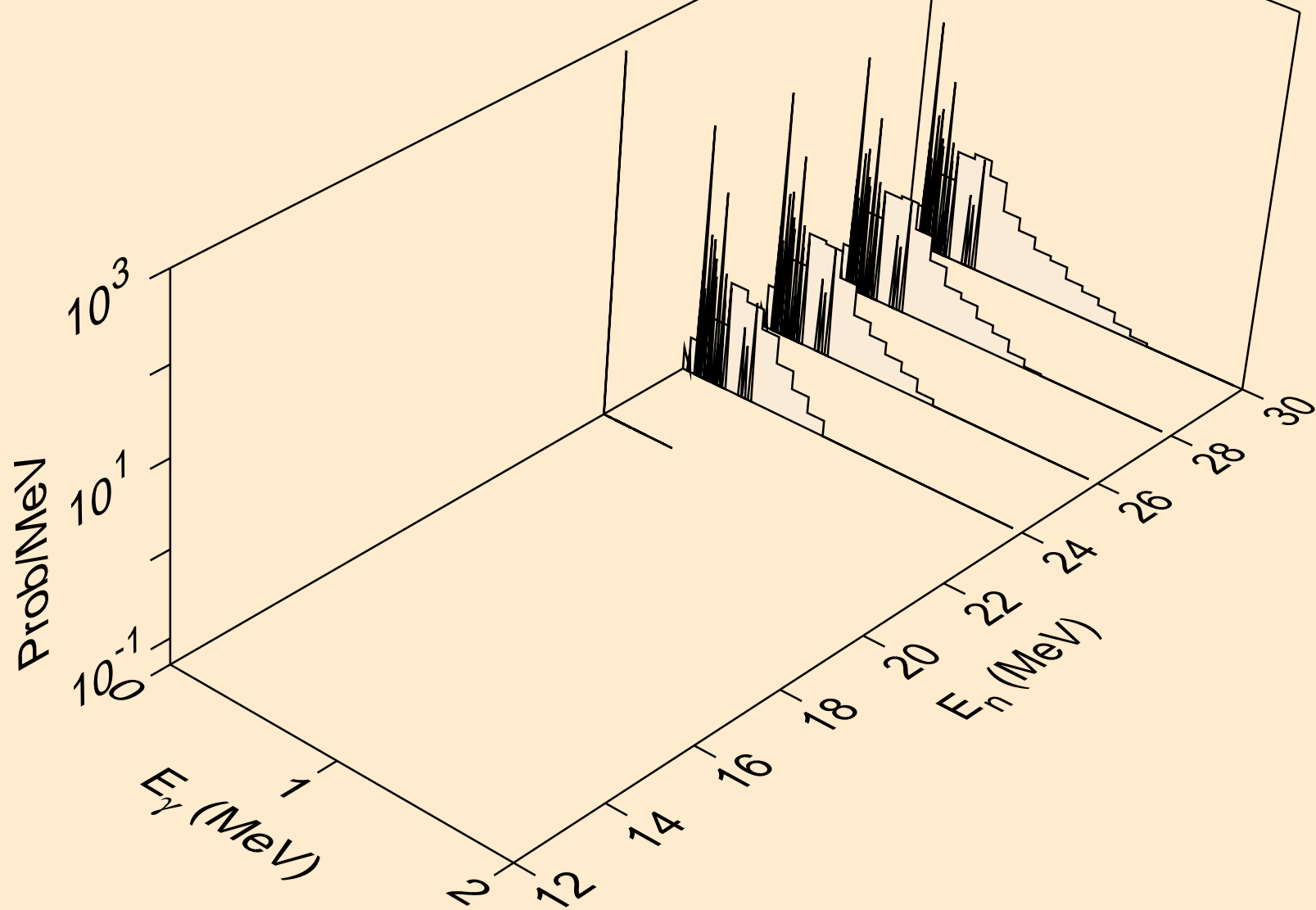




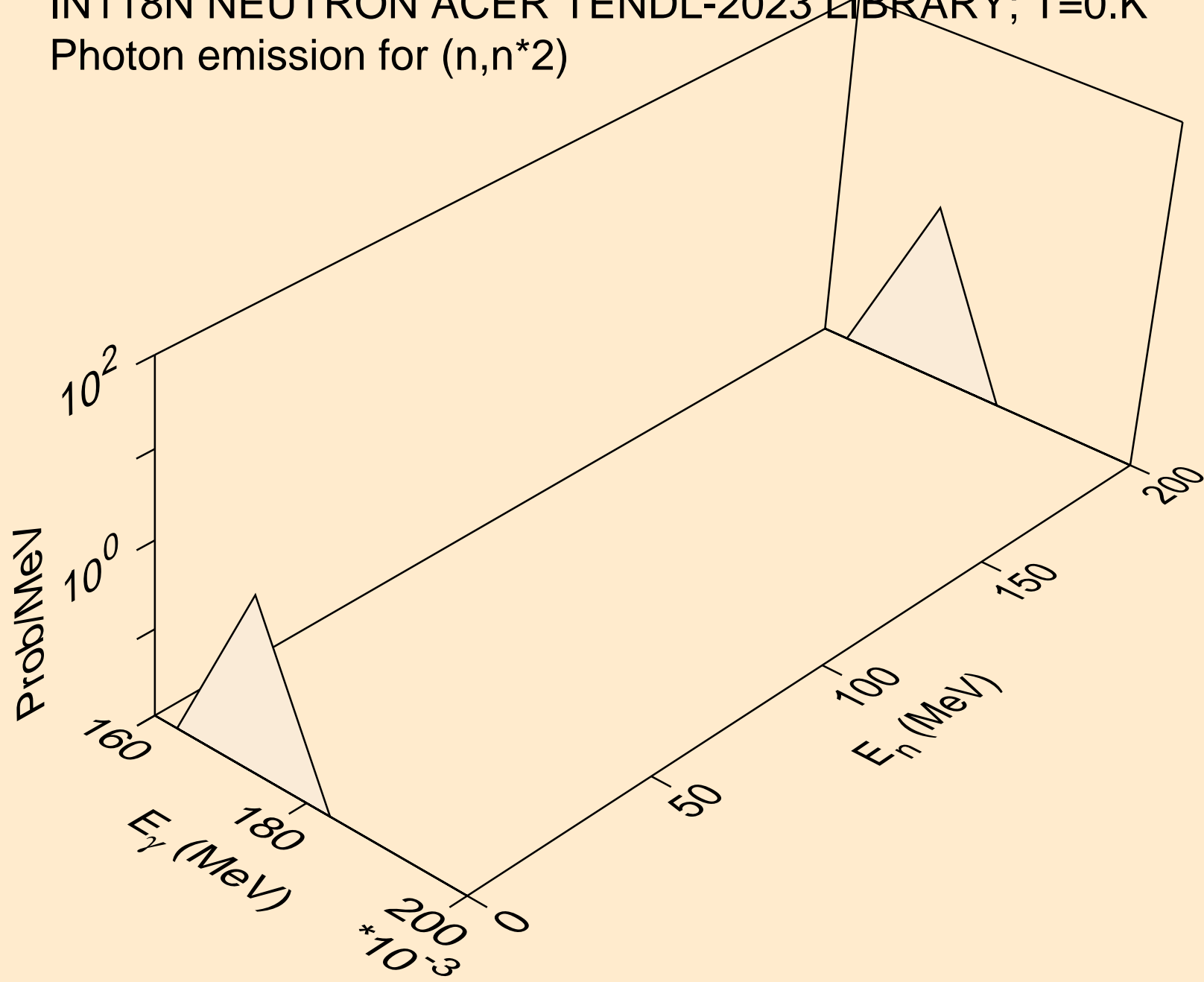
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Photon emission for (n,n2p)



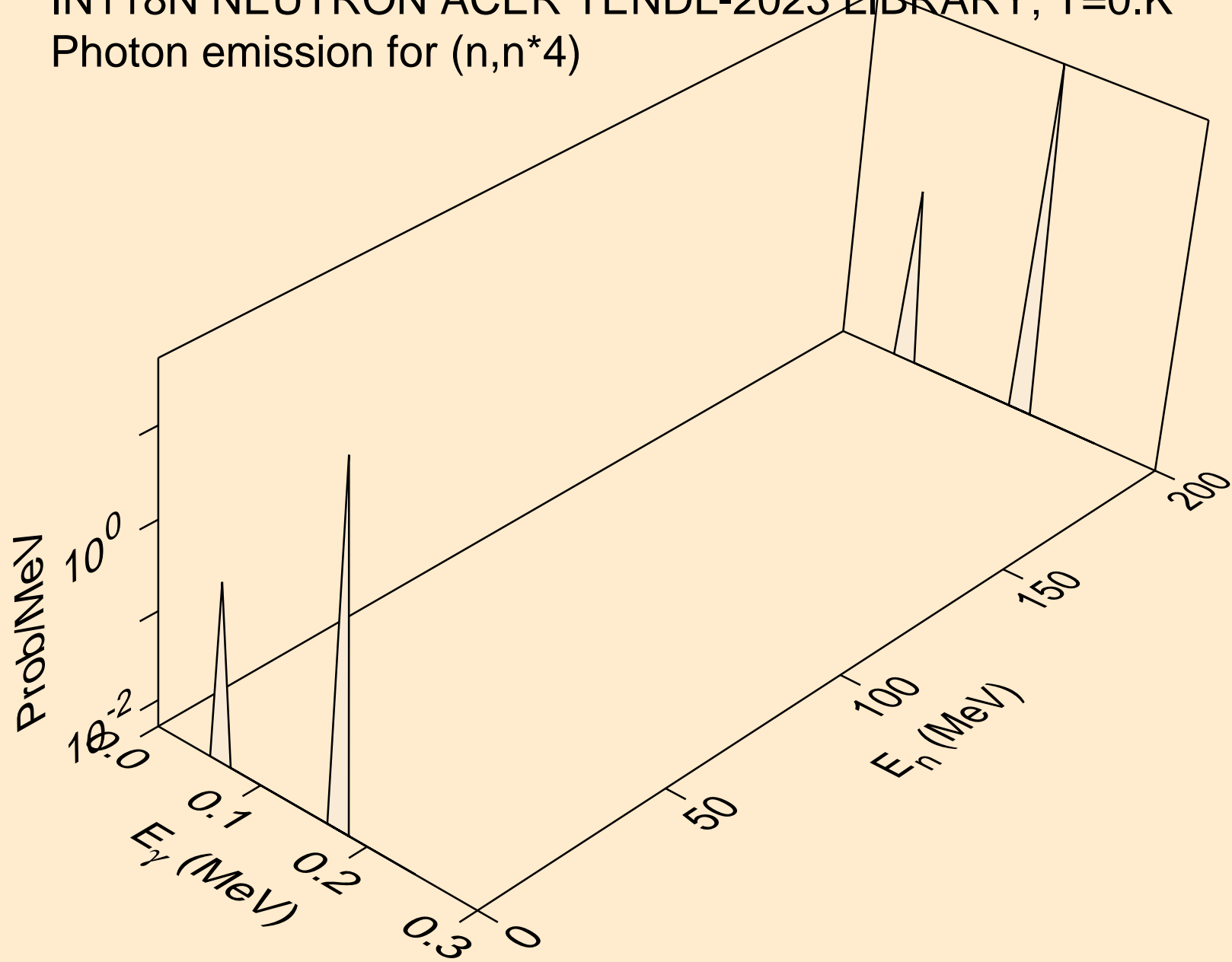
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Photon emission for (n,npa)



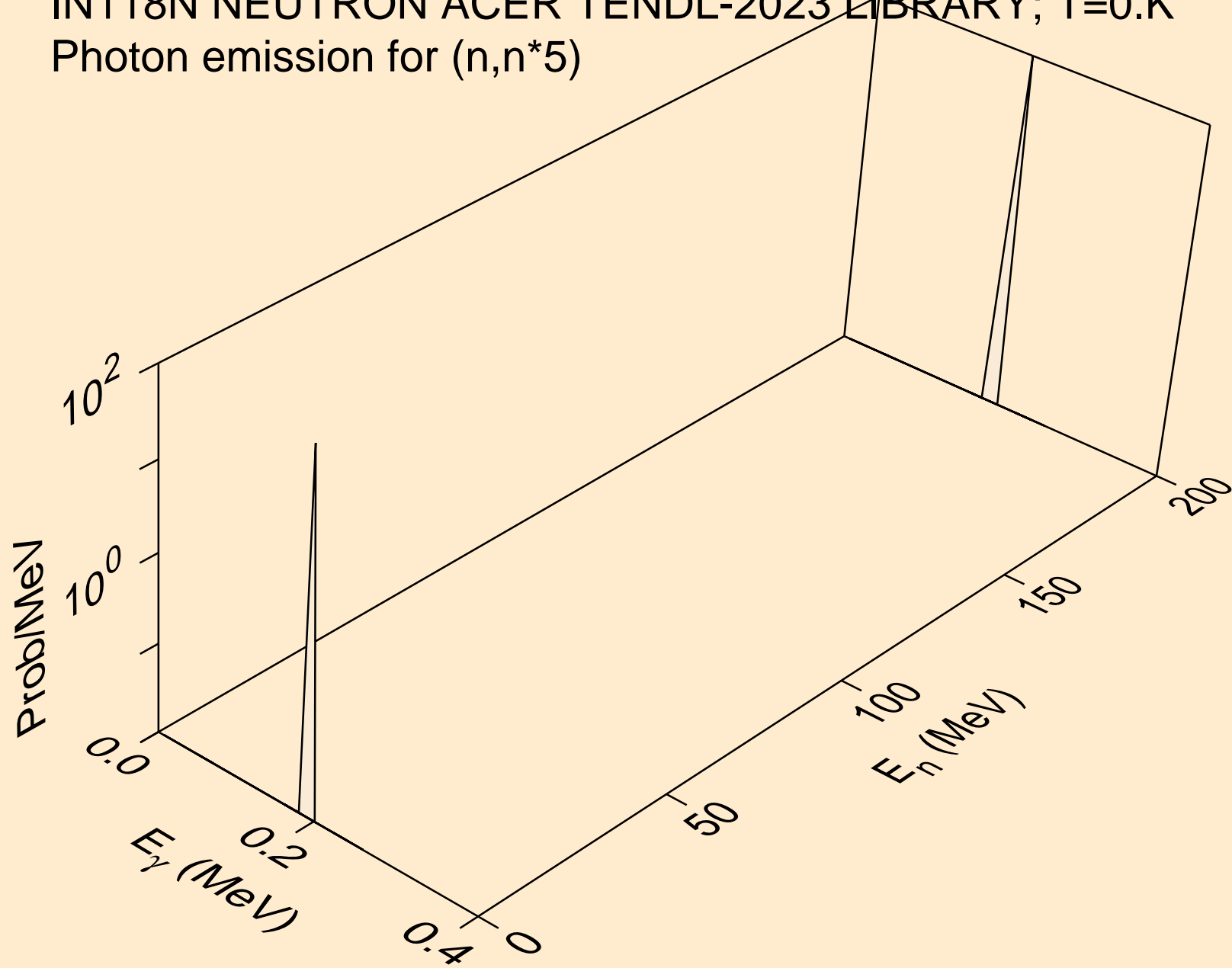
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Photon emission for (n,n\*2)



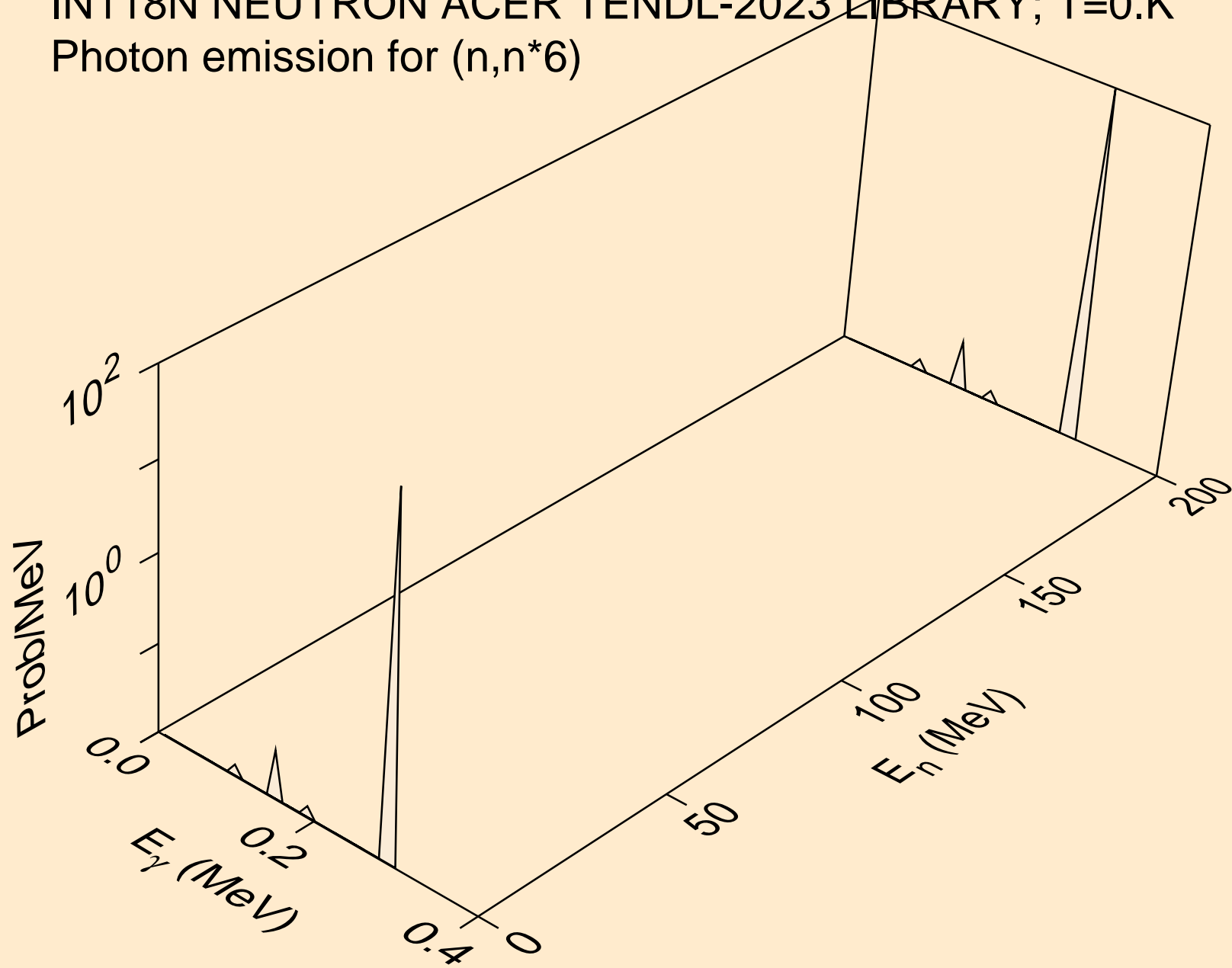
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Photon emission for (n,n\*4)



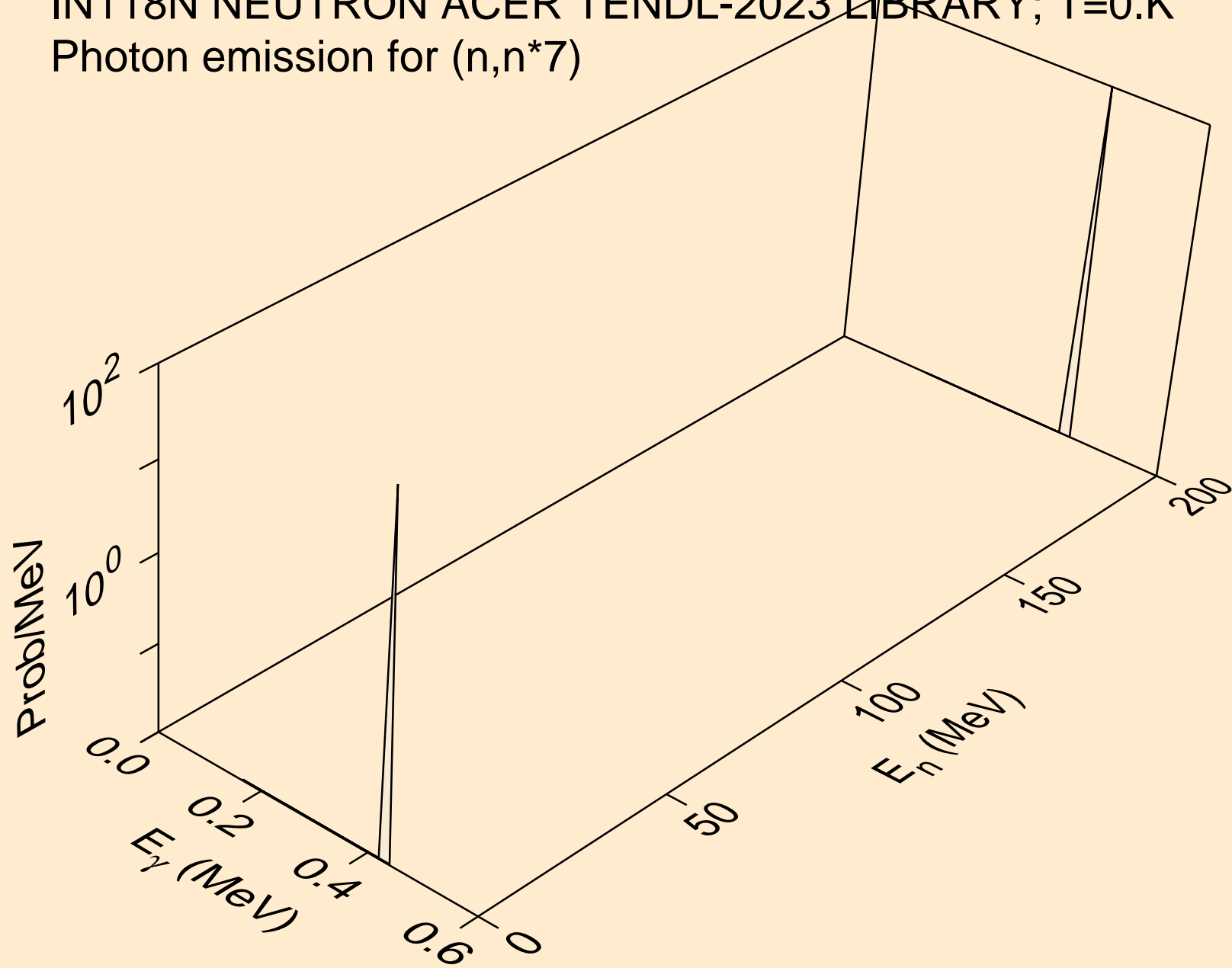
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Photon emission for (n,n\*5)



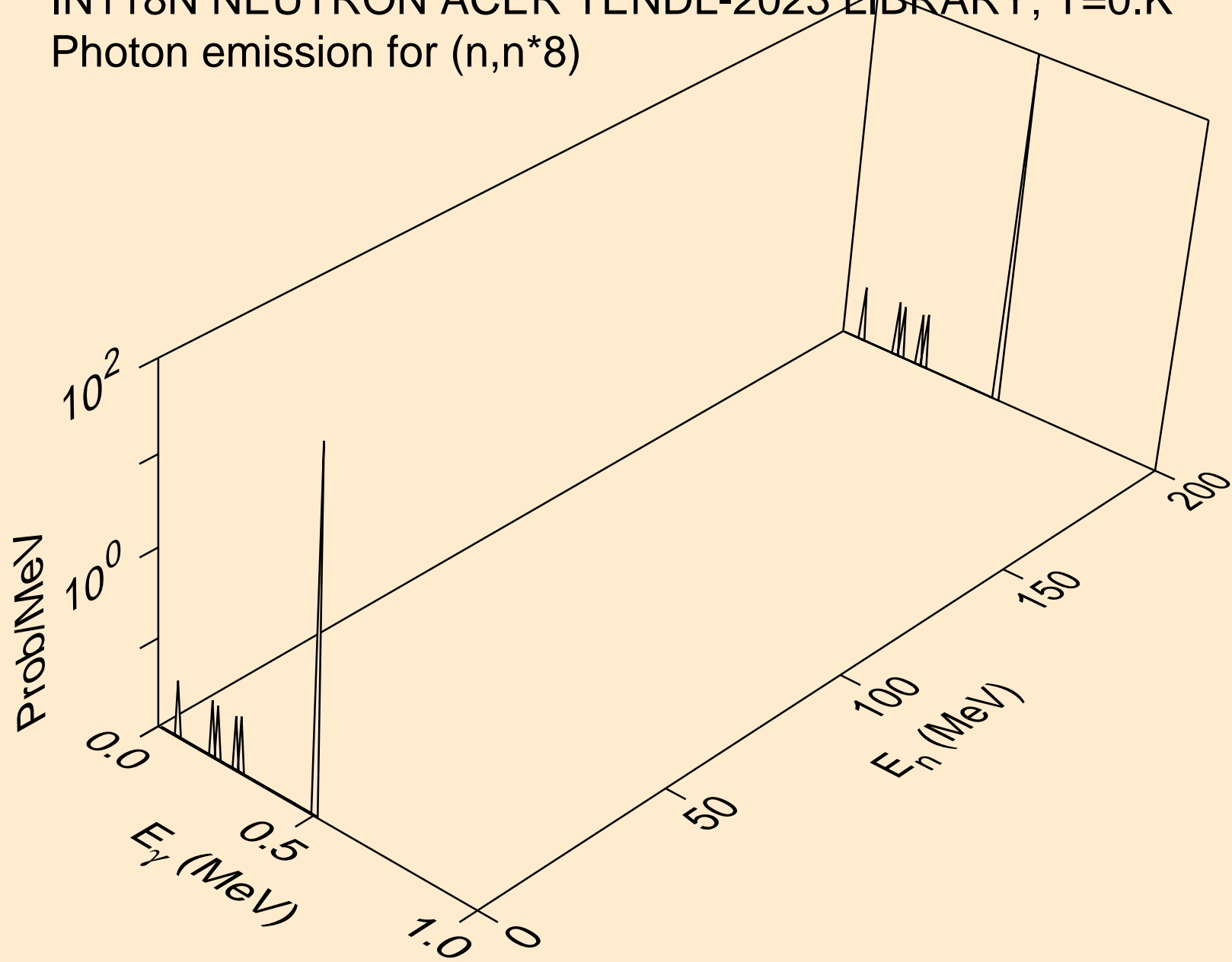
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Photon emission for (n,n\*6)



IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*7)

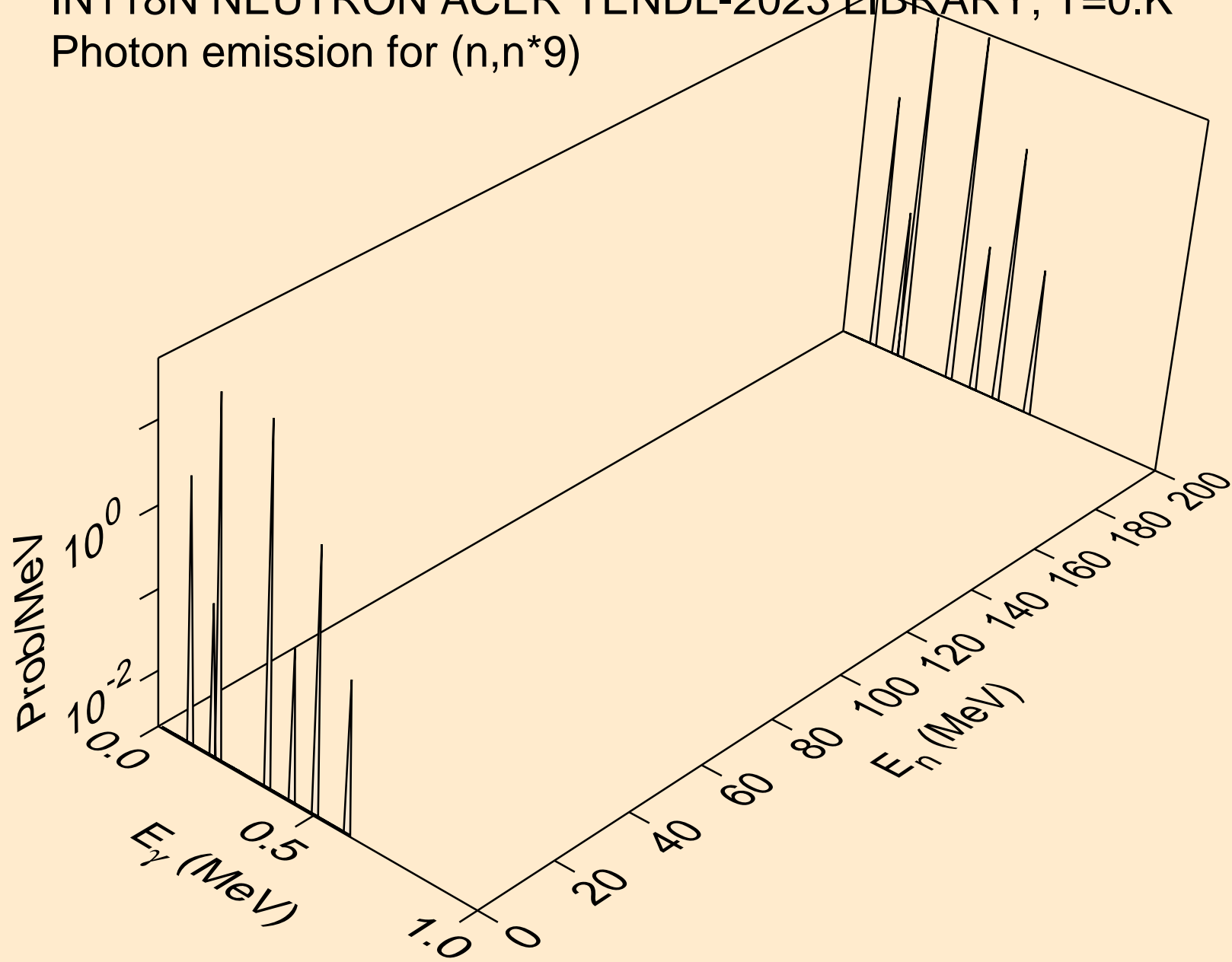


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Photon emission for (n,n\*8)

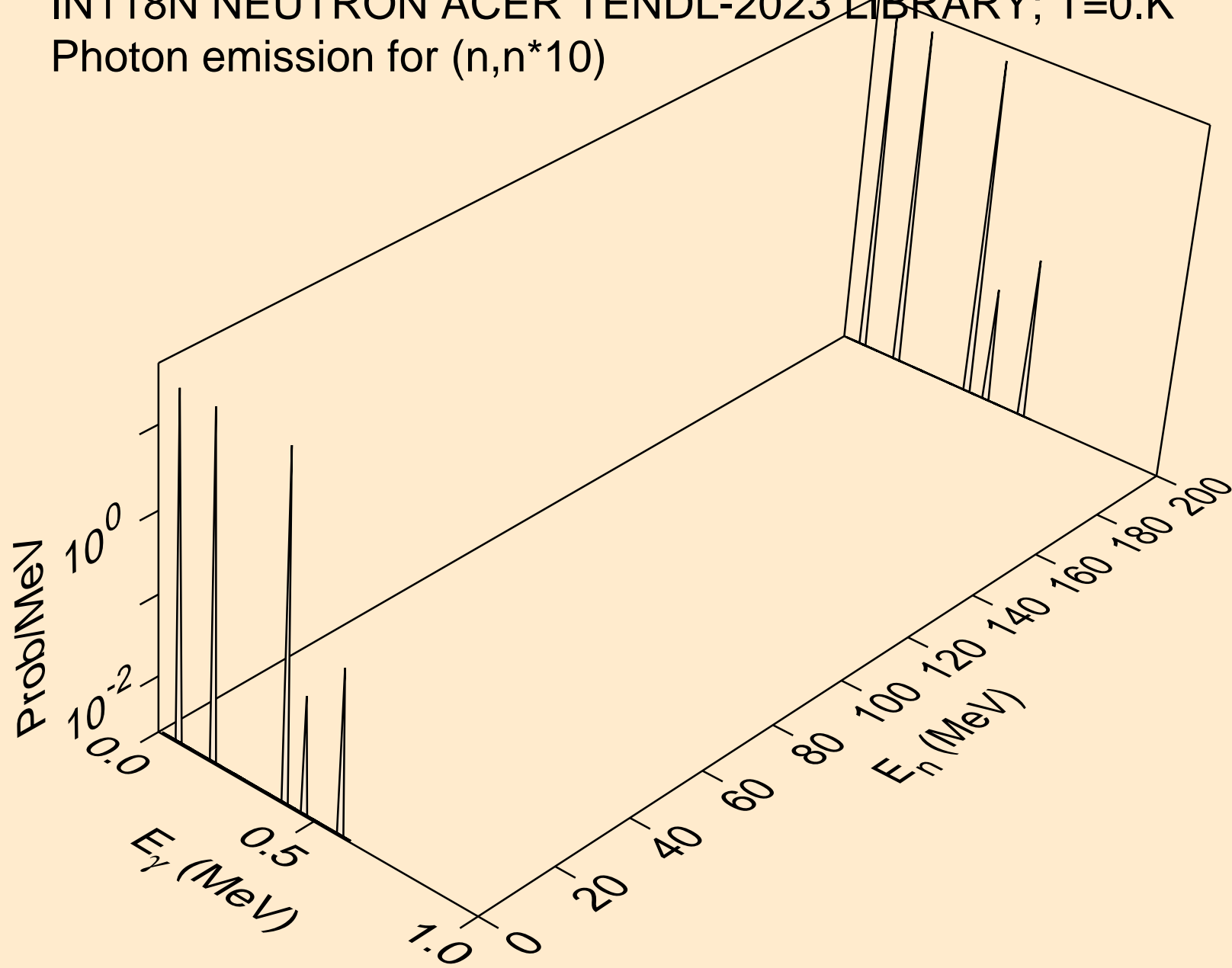




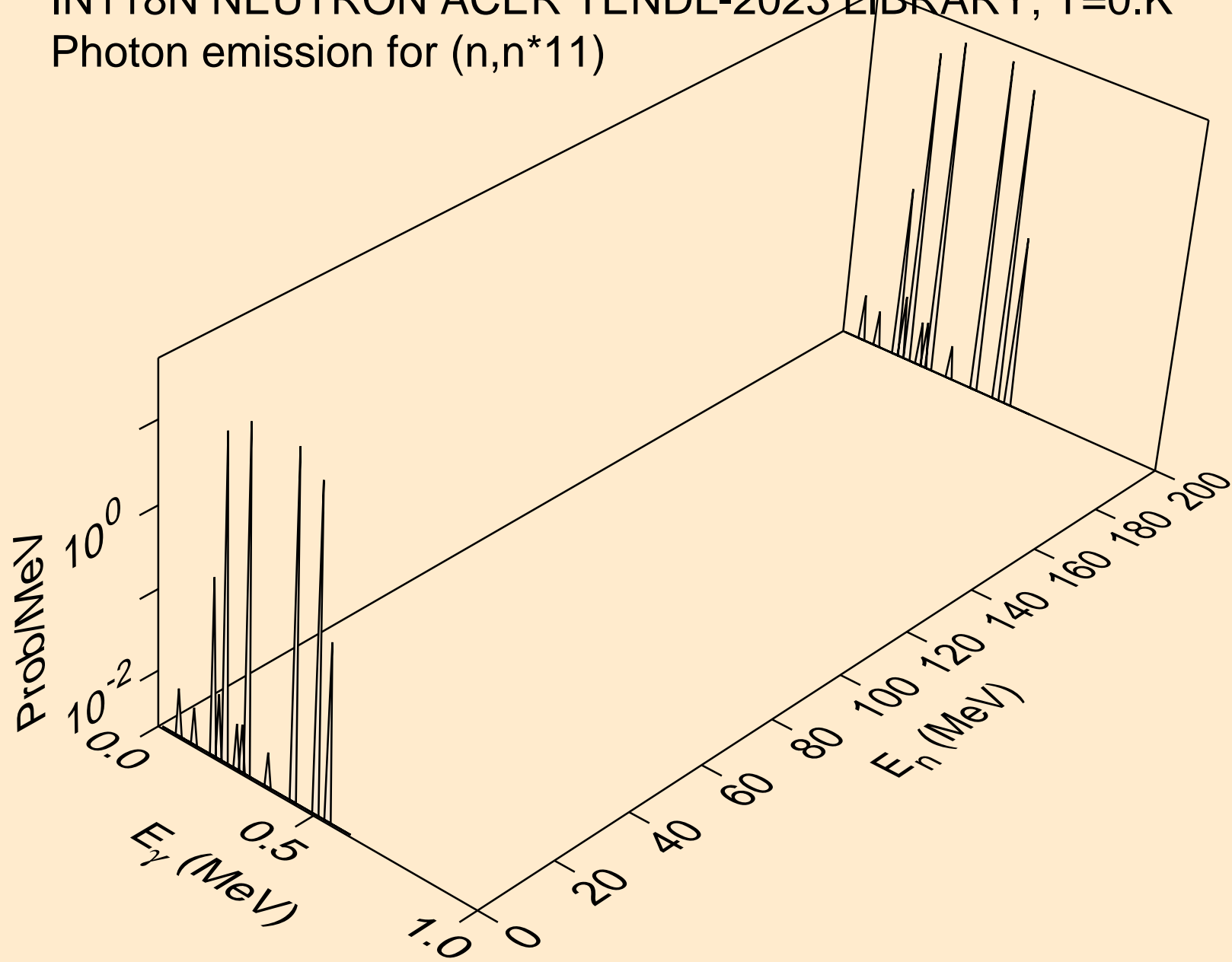
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Photon emission for (n,n\*9)



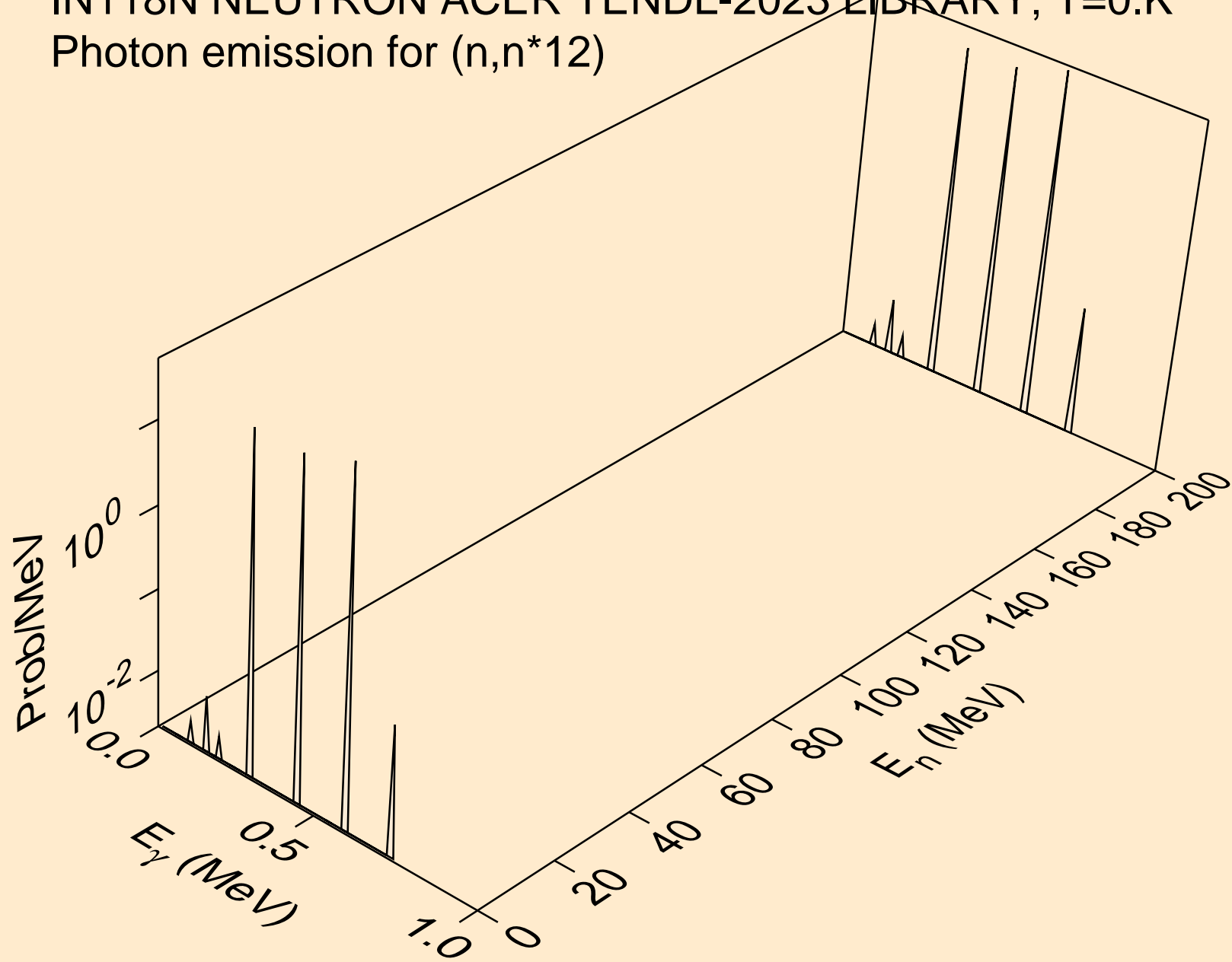
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Photon emission for (n,n\*10)



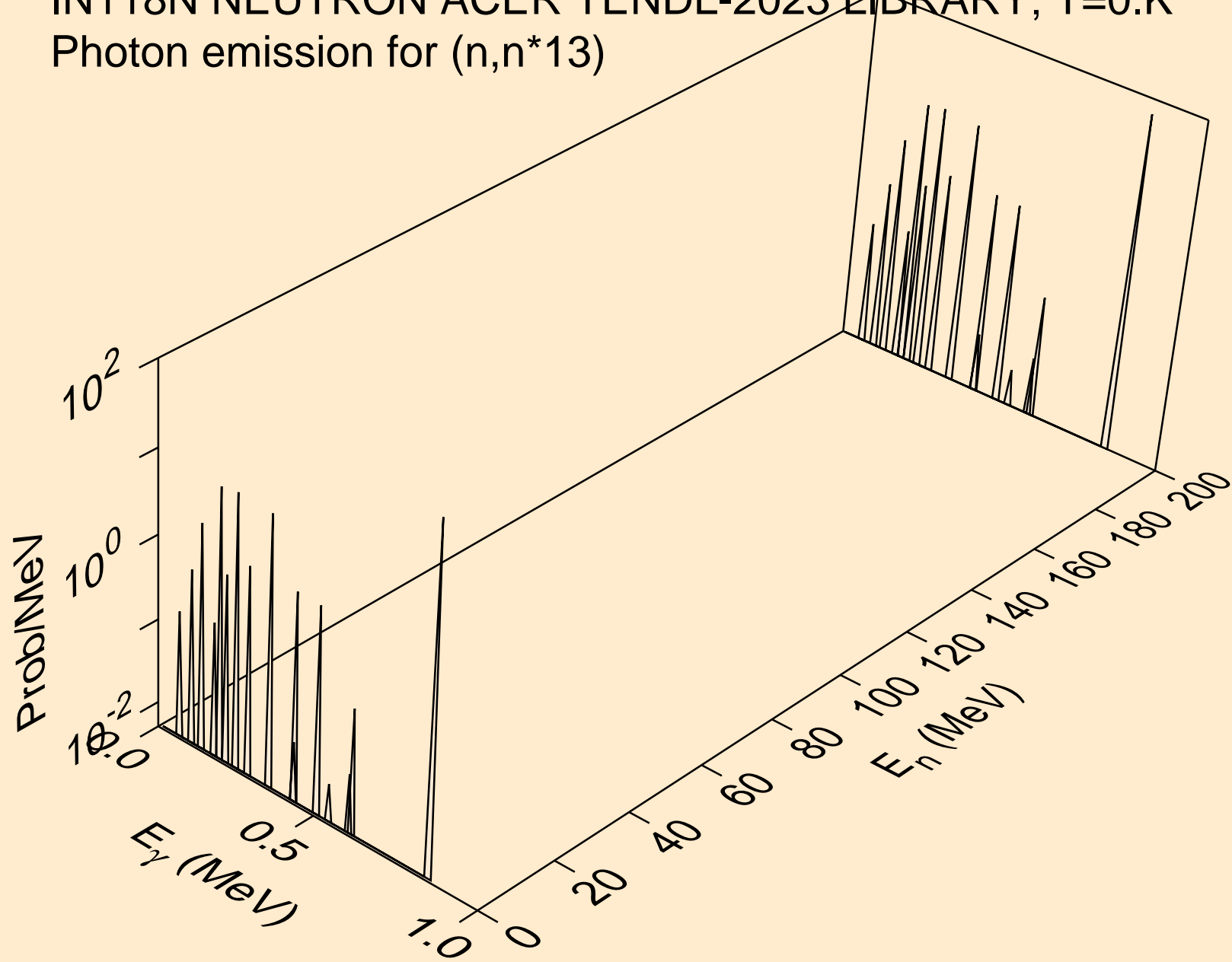
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Photon emission for (n,n\*11)



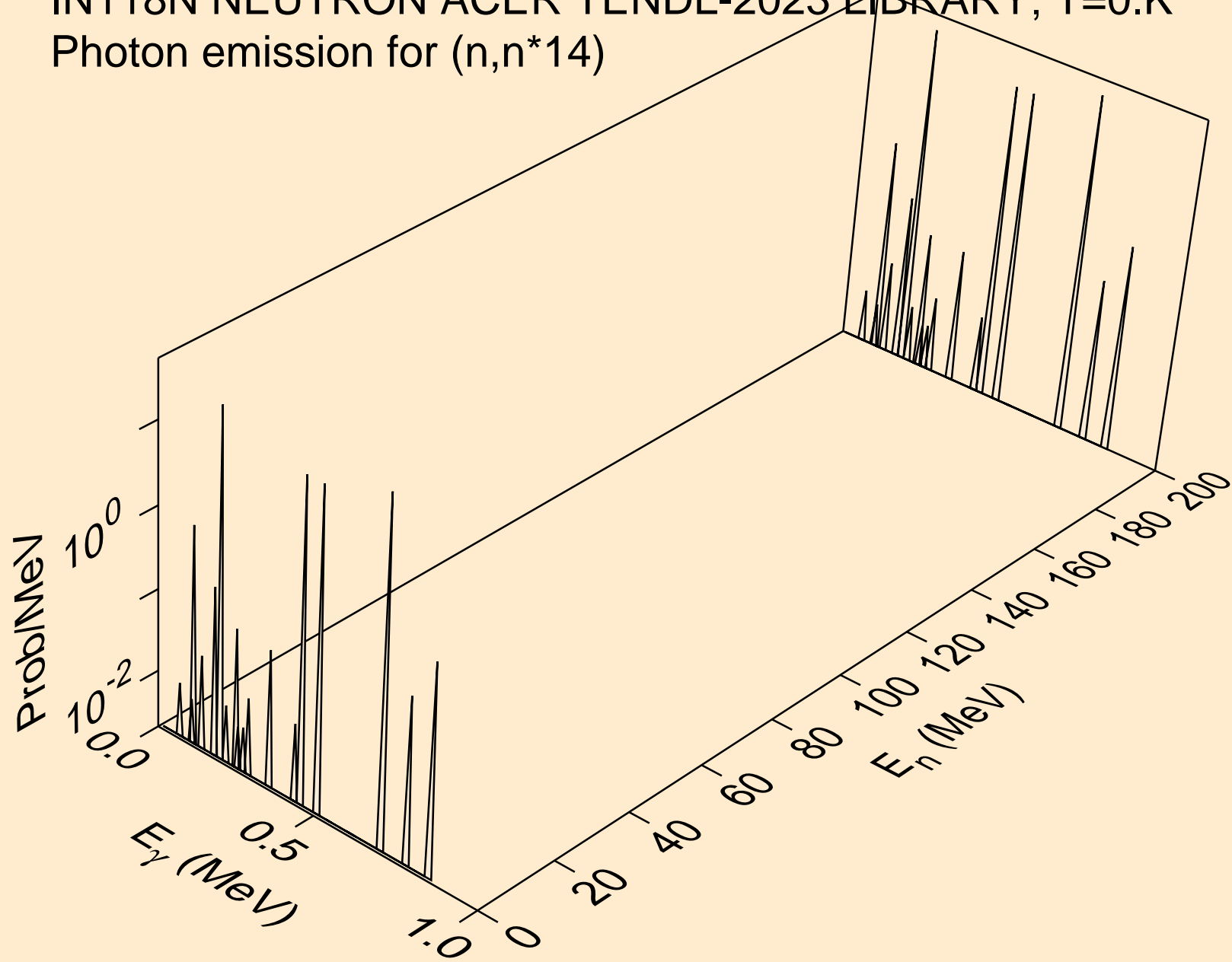
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Photon emission for (n,n\*12)



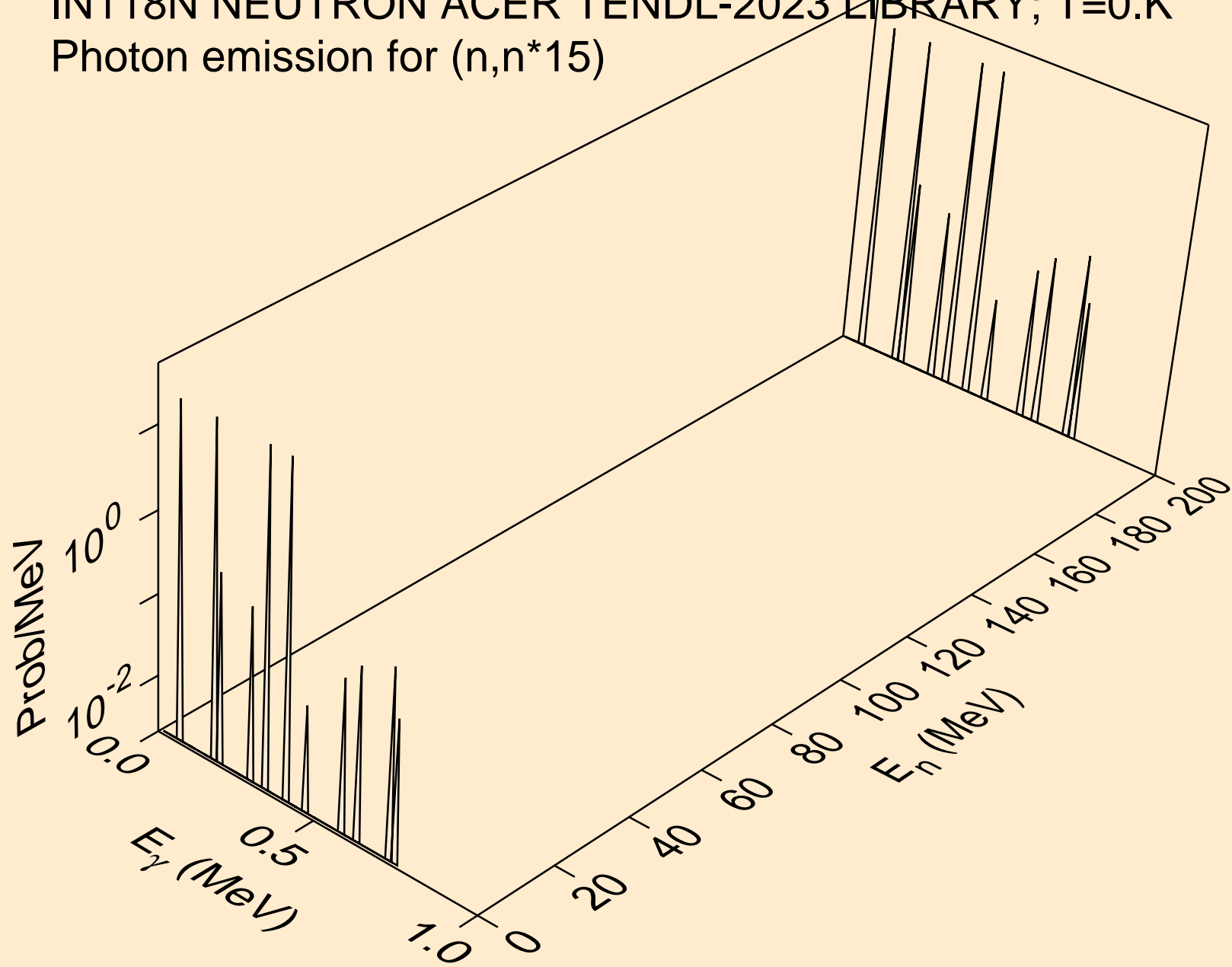
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Photon emission for (n,n\*13)



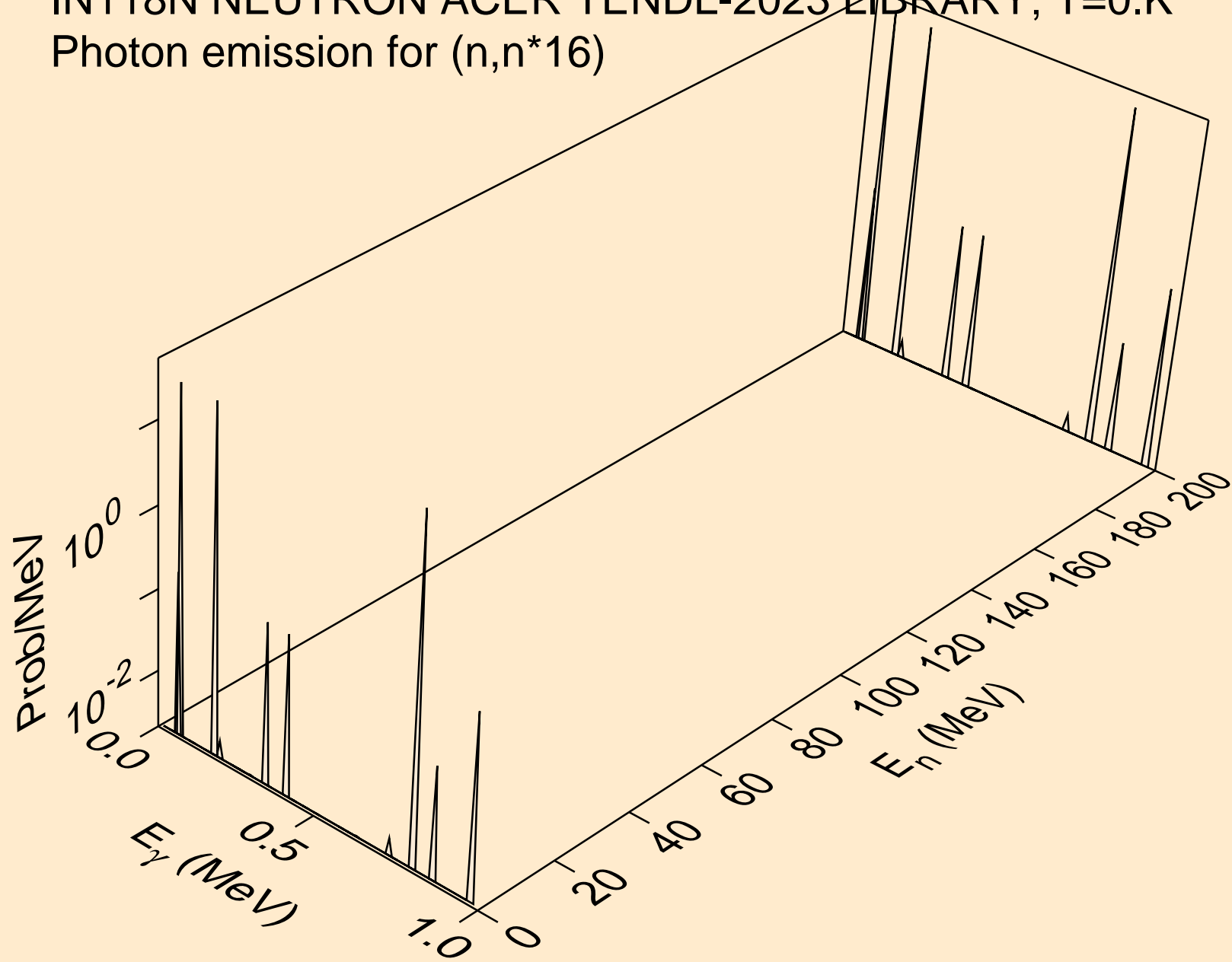
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Photon emission for (n,n\*14)



IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*15)

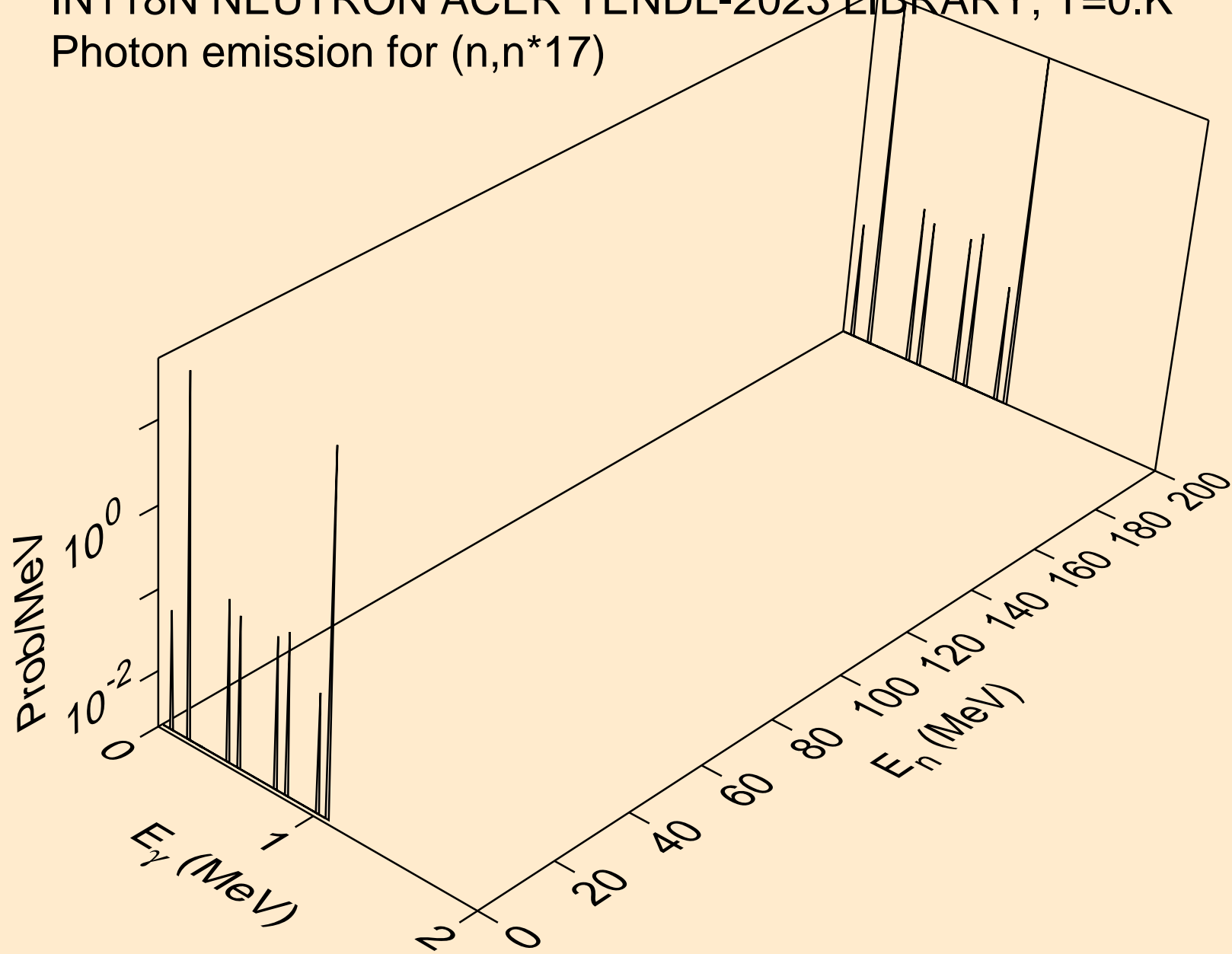


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Photon emission for (n,n\*16)

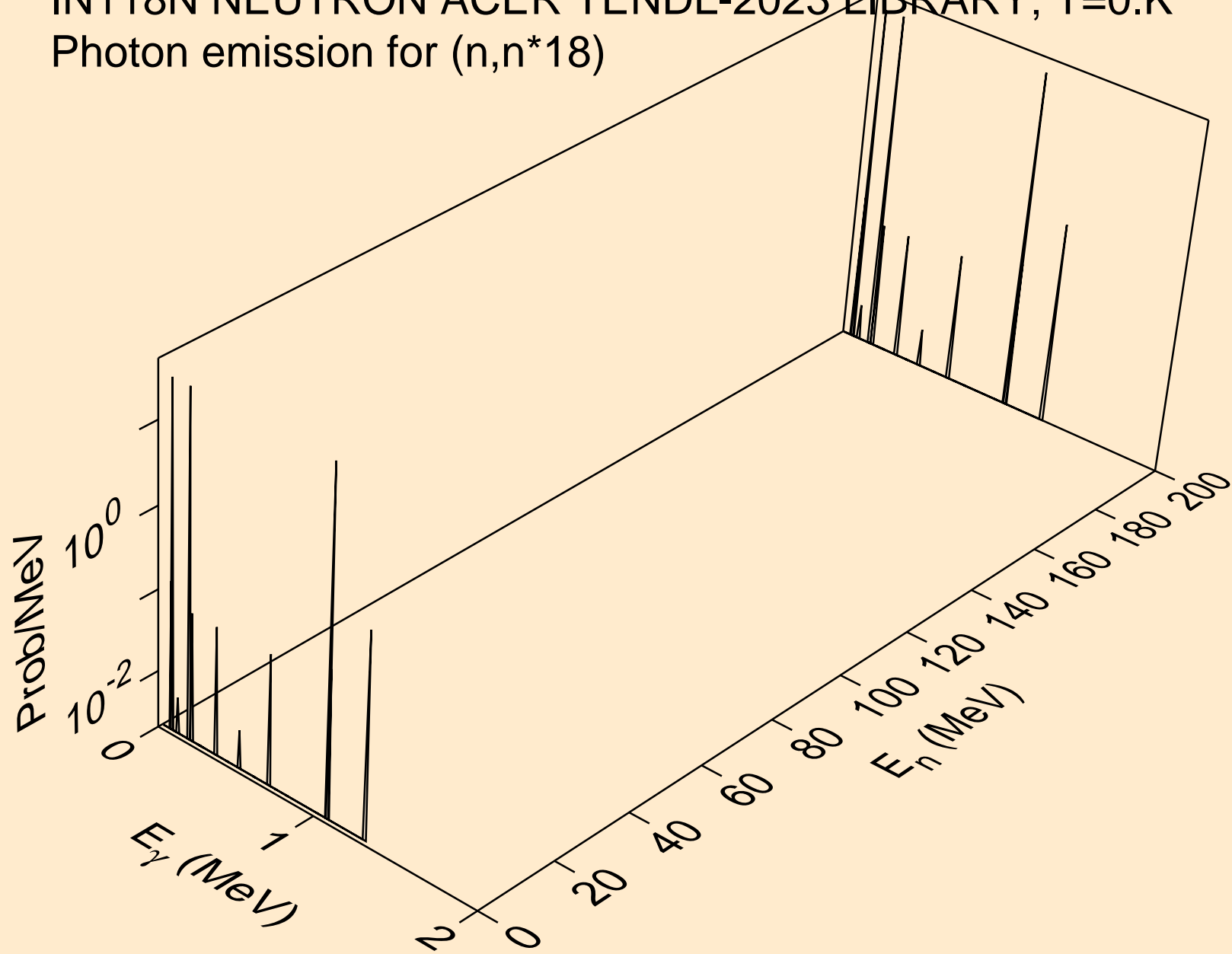




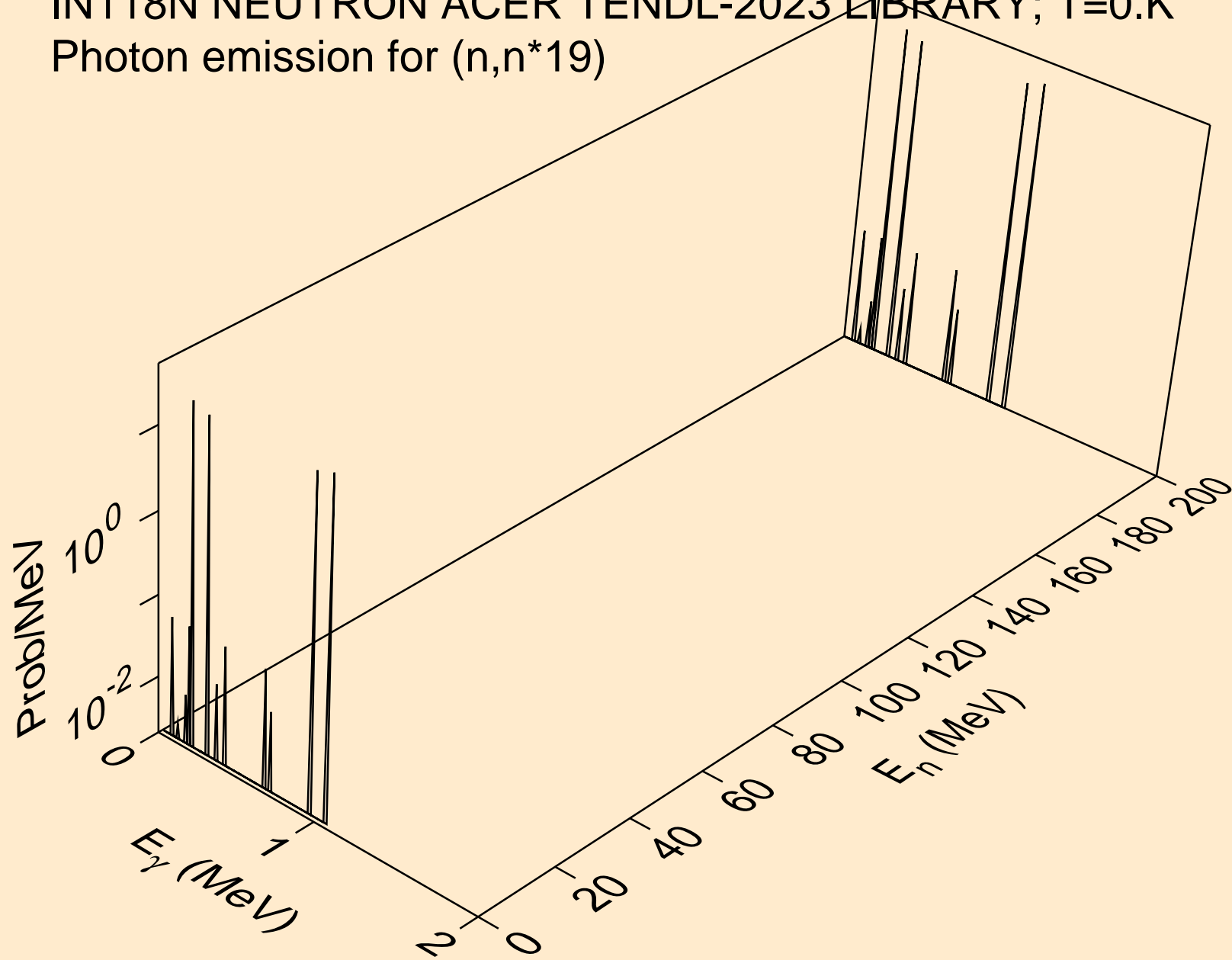
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Photon emission for (n,n\*17)



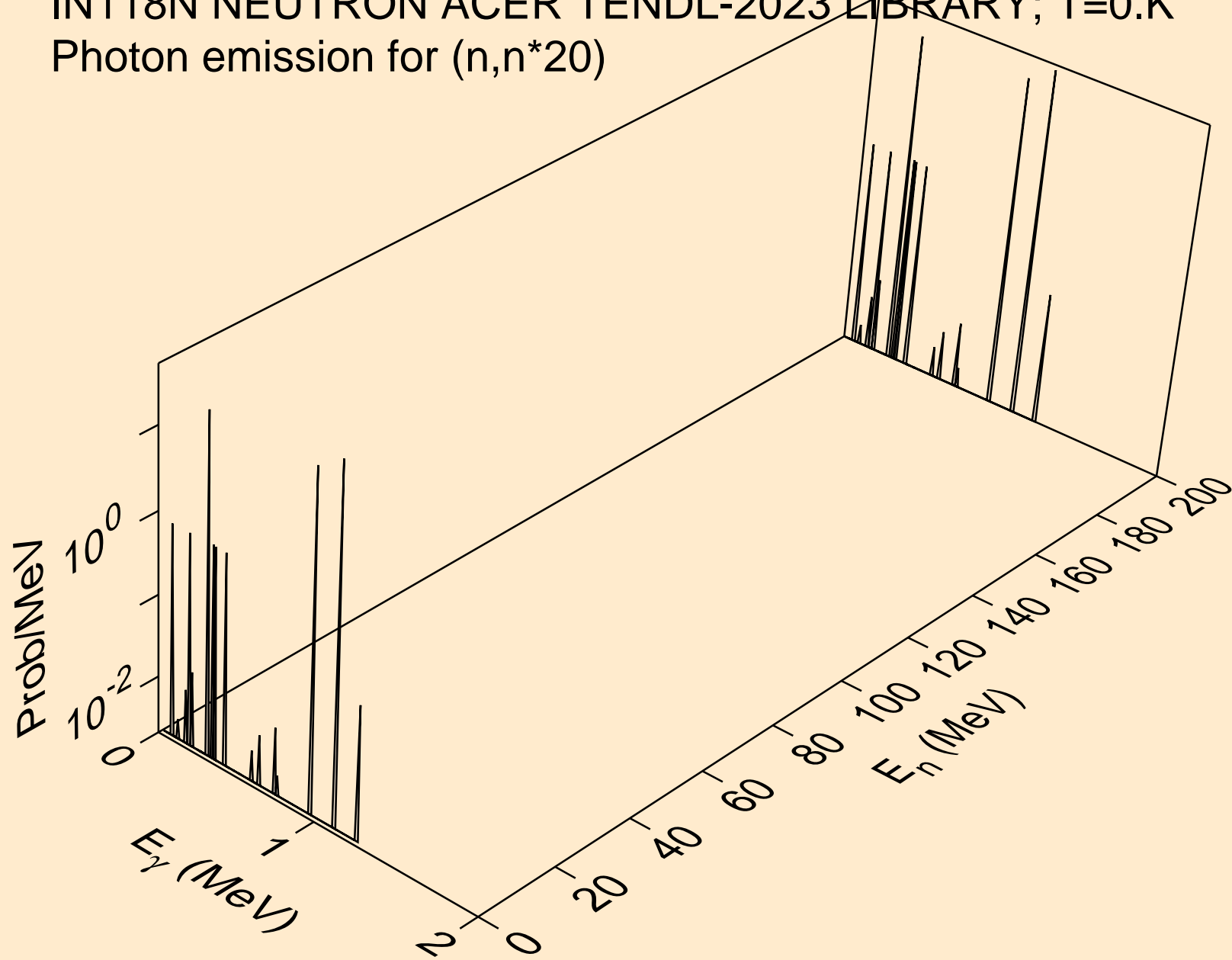
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Photon emission for (n,n\*18)



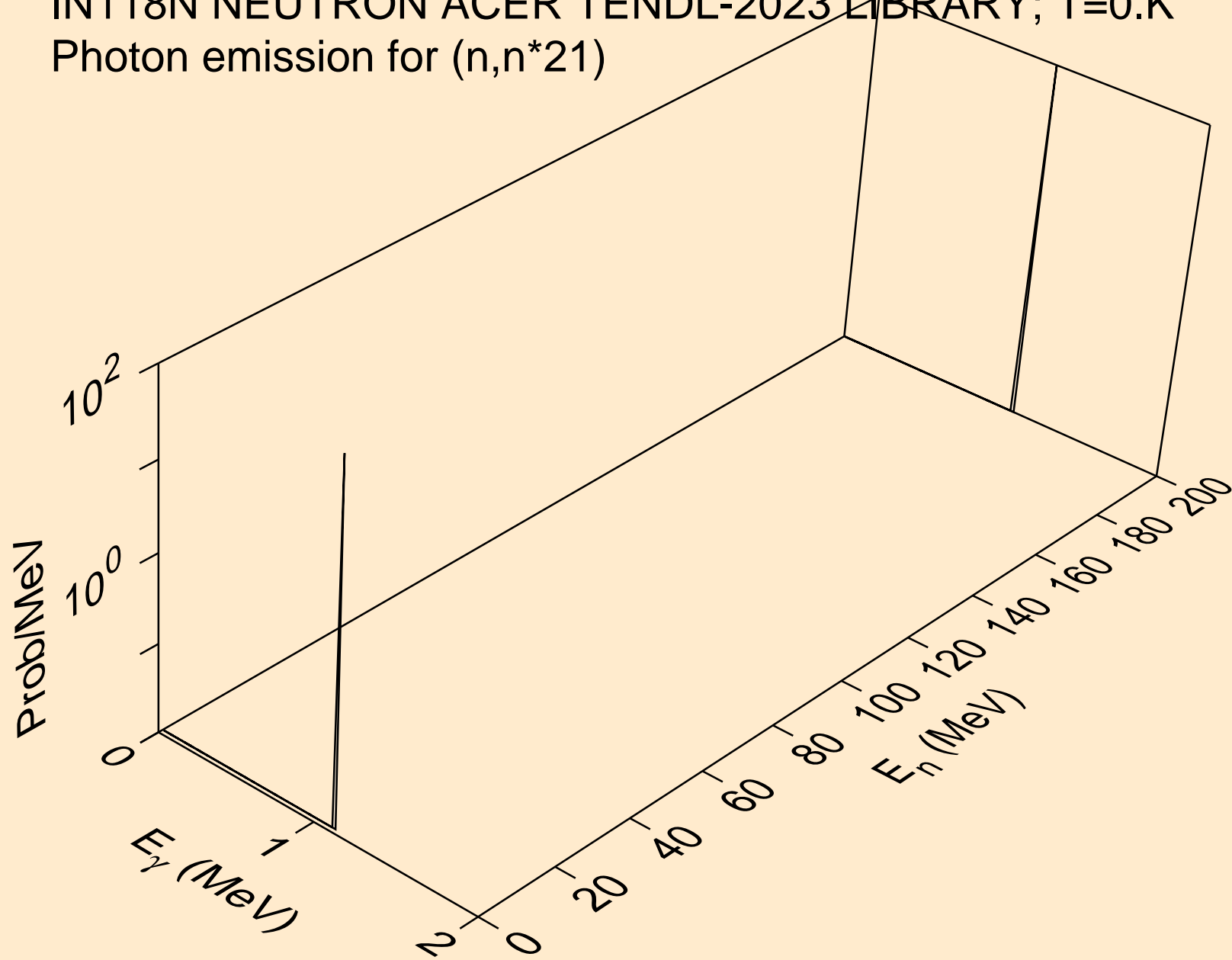
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Photon emission for (n,n\*19)



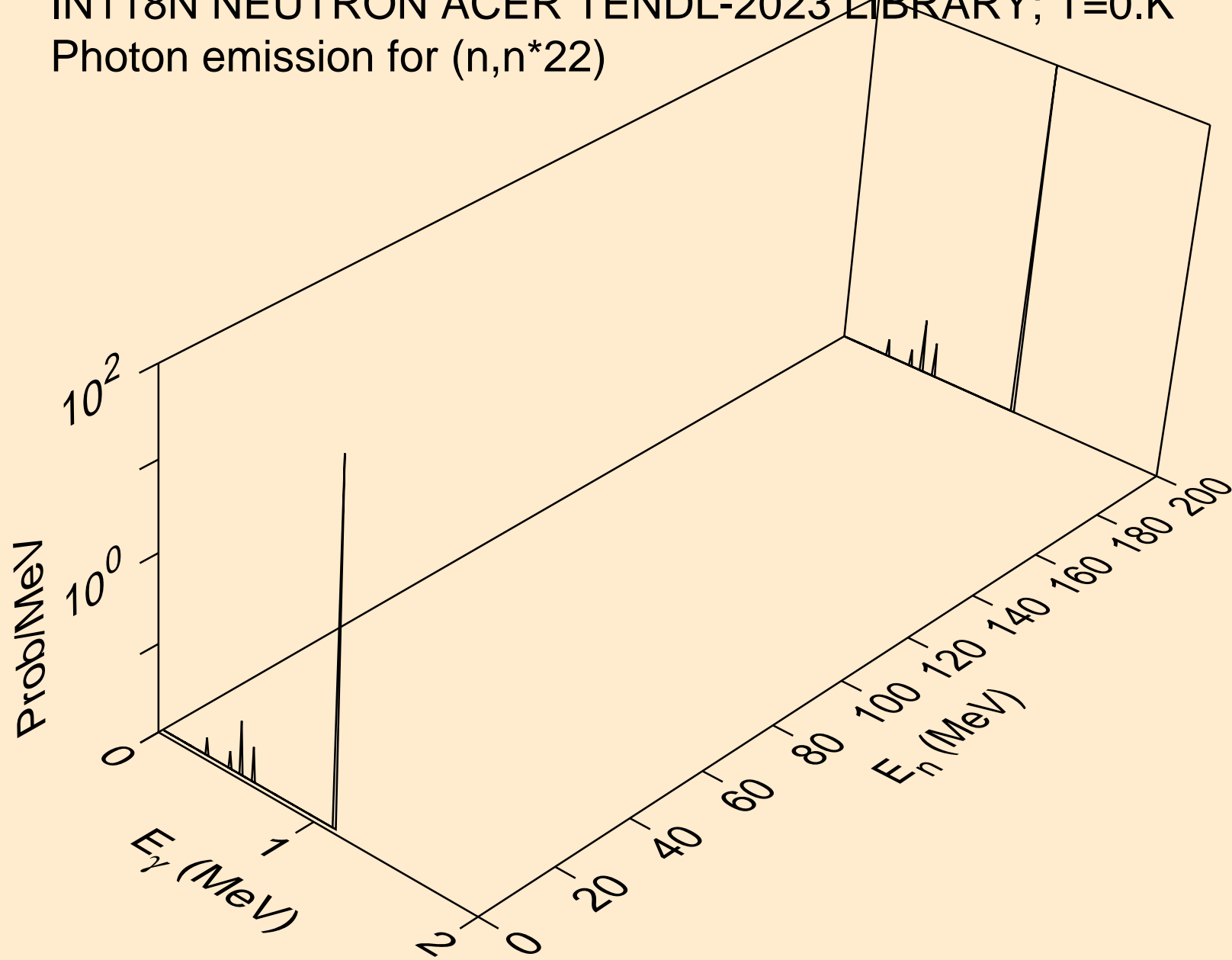
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Photon emission for (n,n\*20)



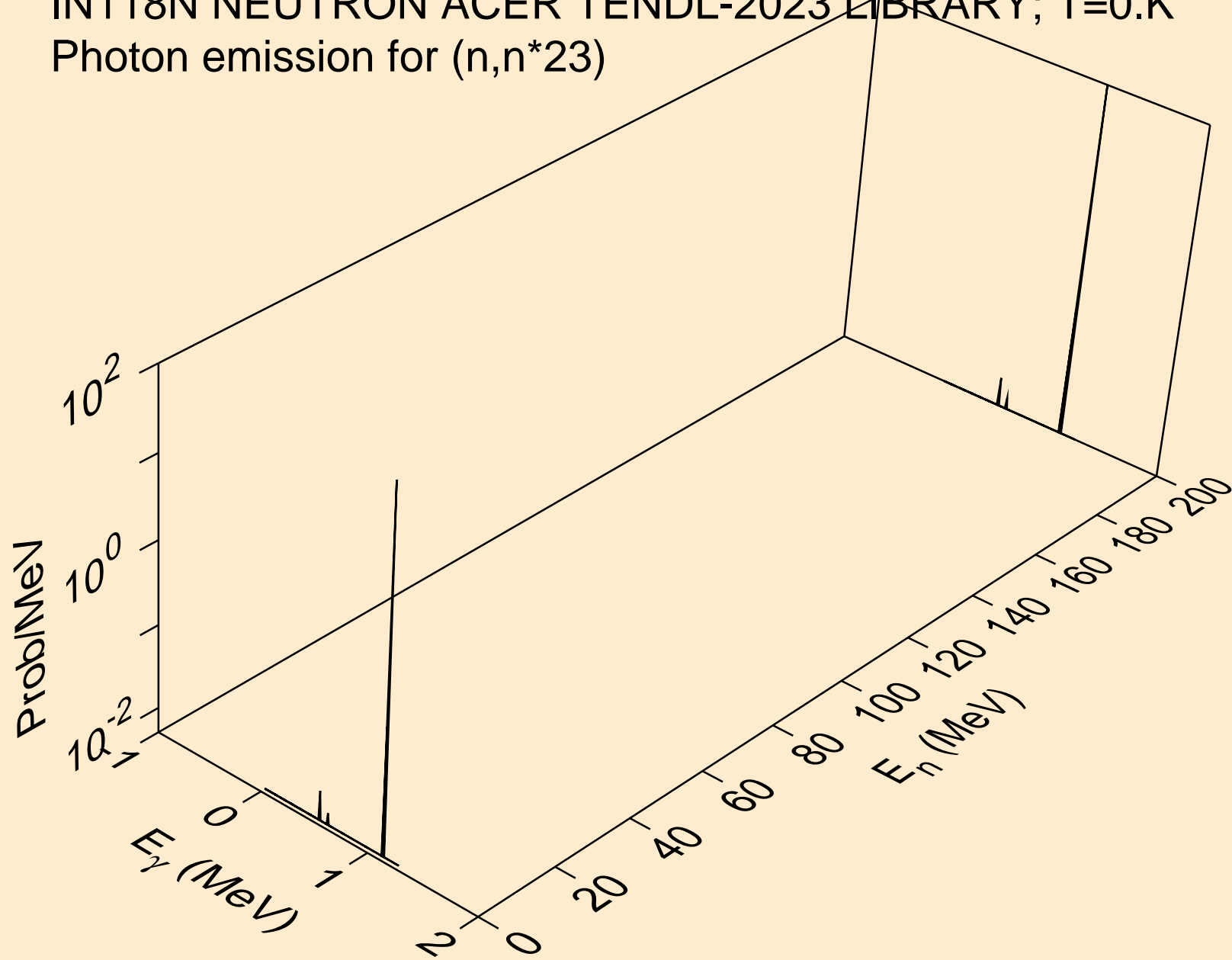
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Photon emission for (n,n\*21)



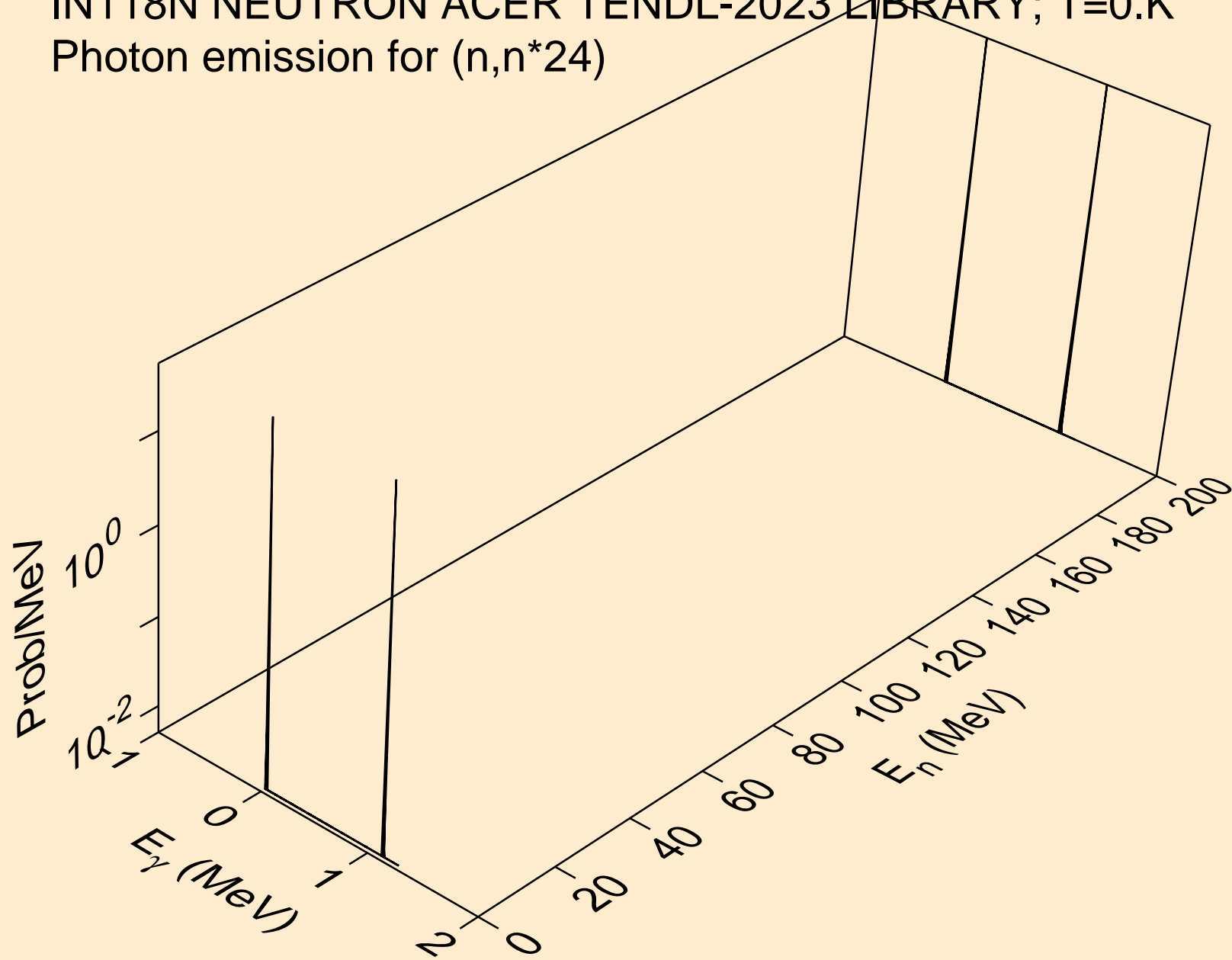
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Photon emission for (n,n\*22)



IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*23)

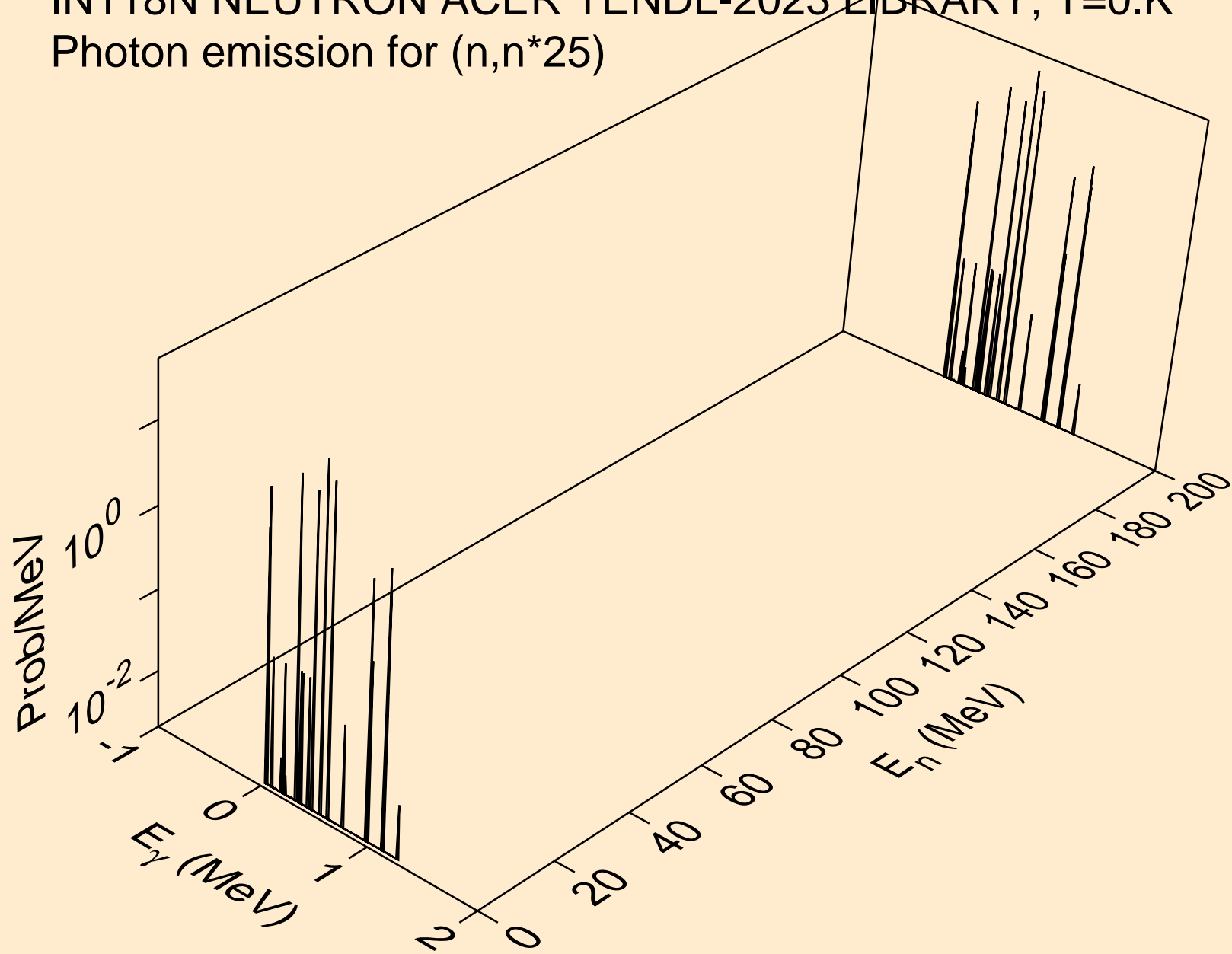


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Photon emission for (n,n\*24)

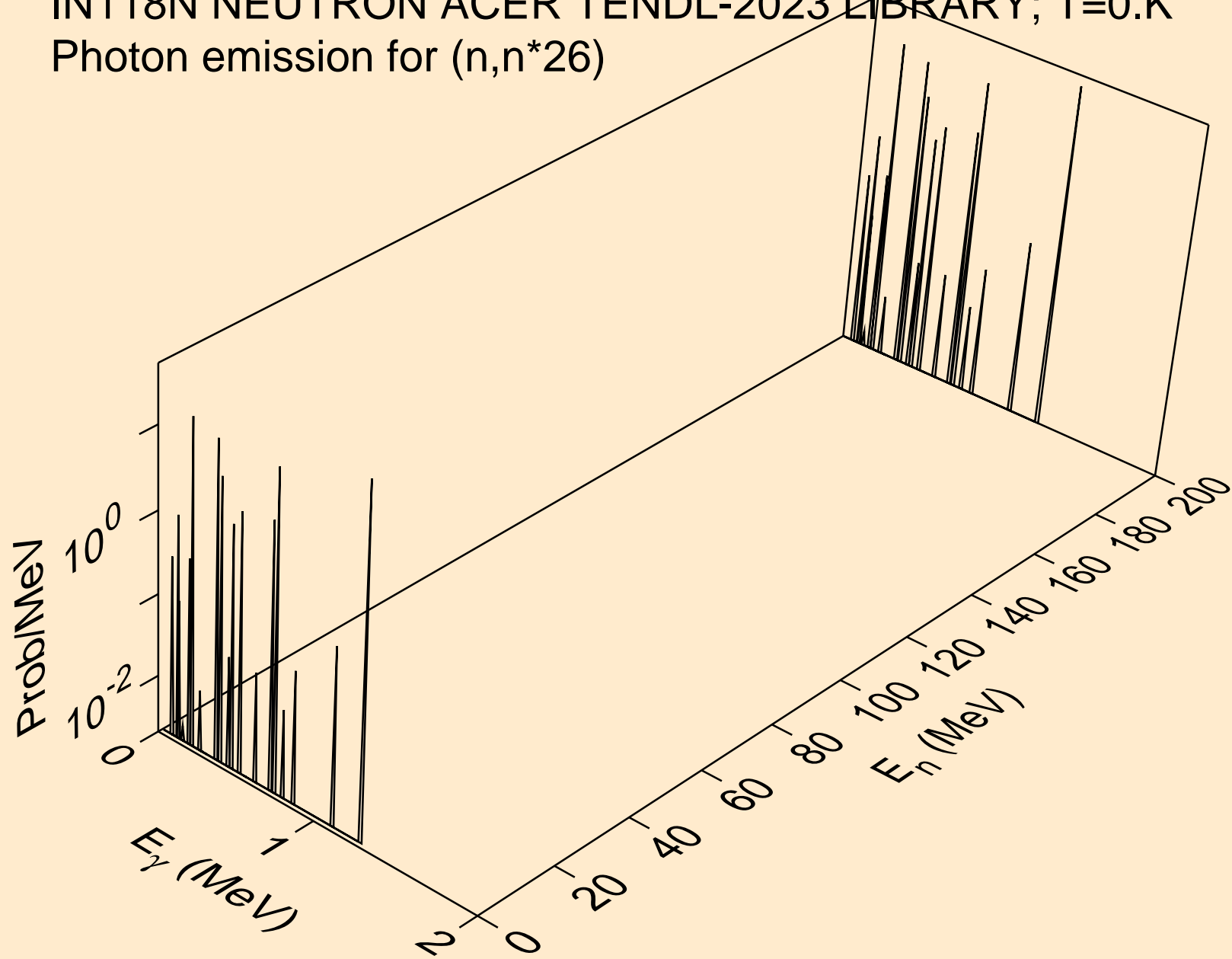




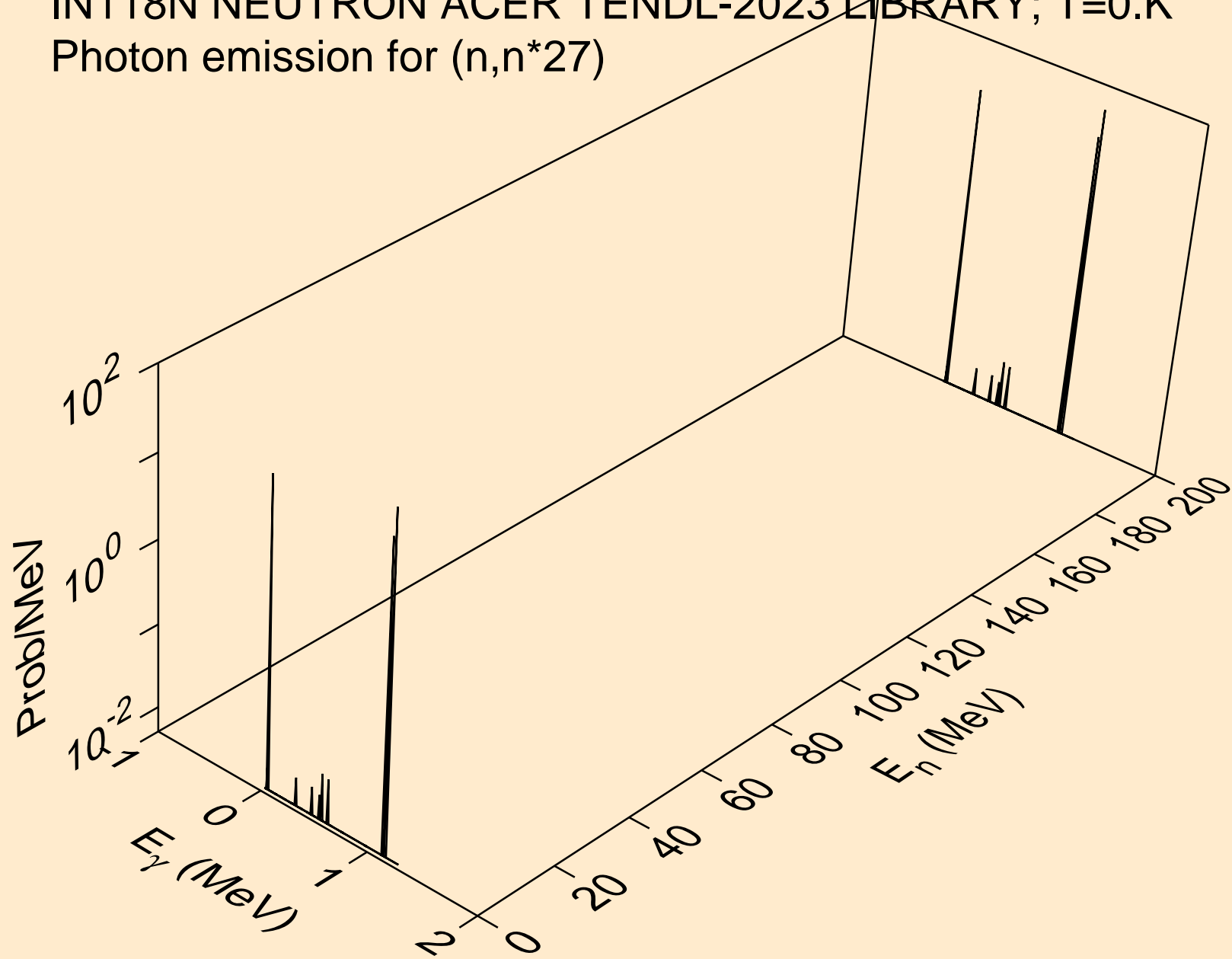
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Photon emission for (n,n\*25)



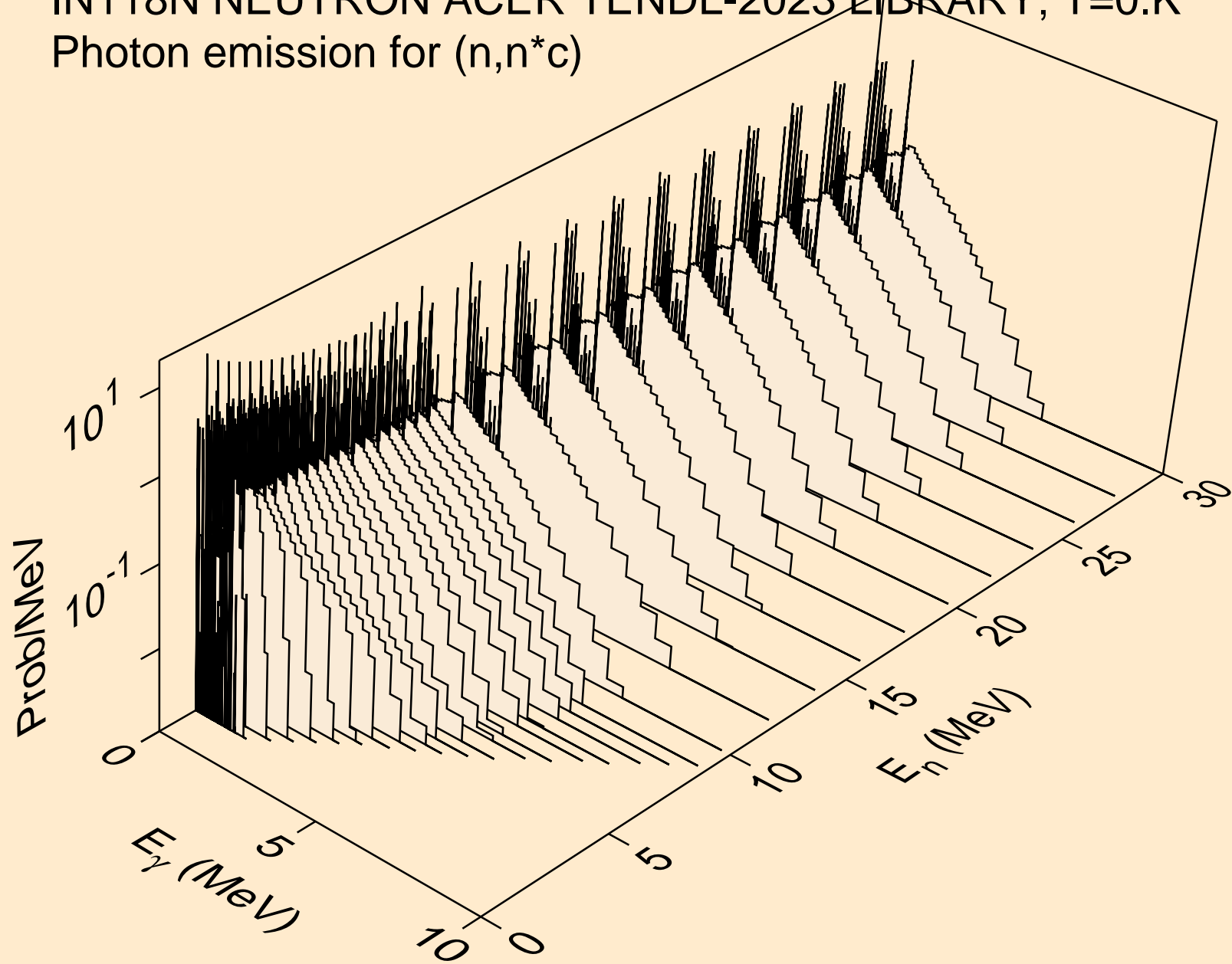
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Photon emission for (n,n\*26)



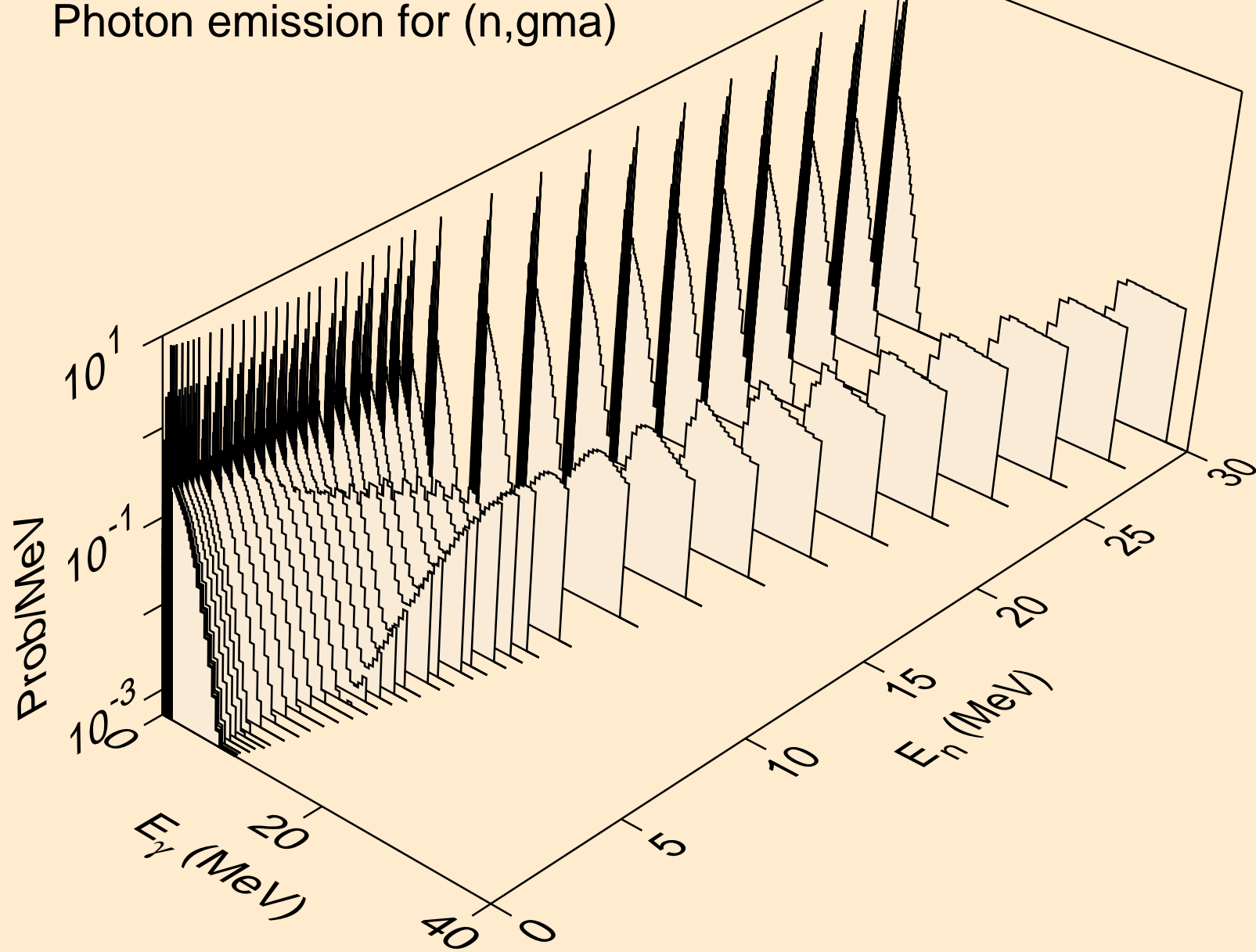
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Photon emission for (n,n\*27)



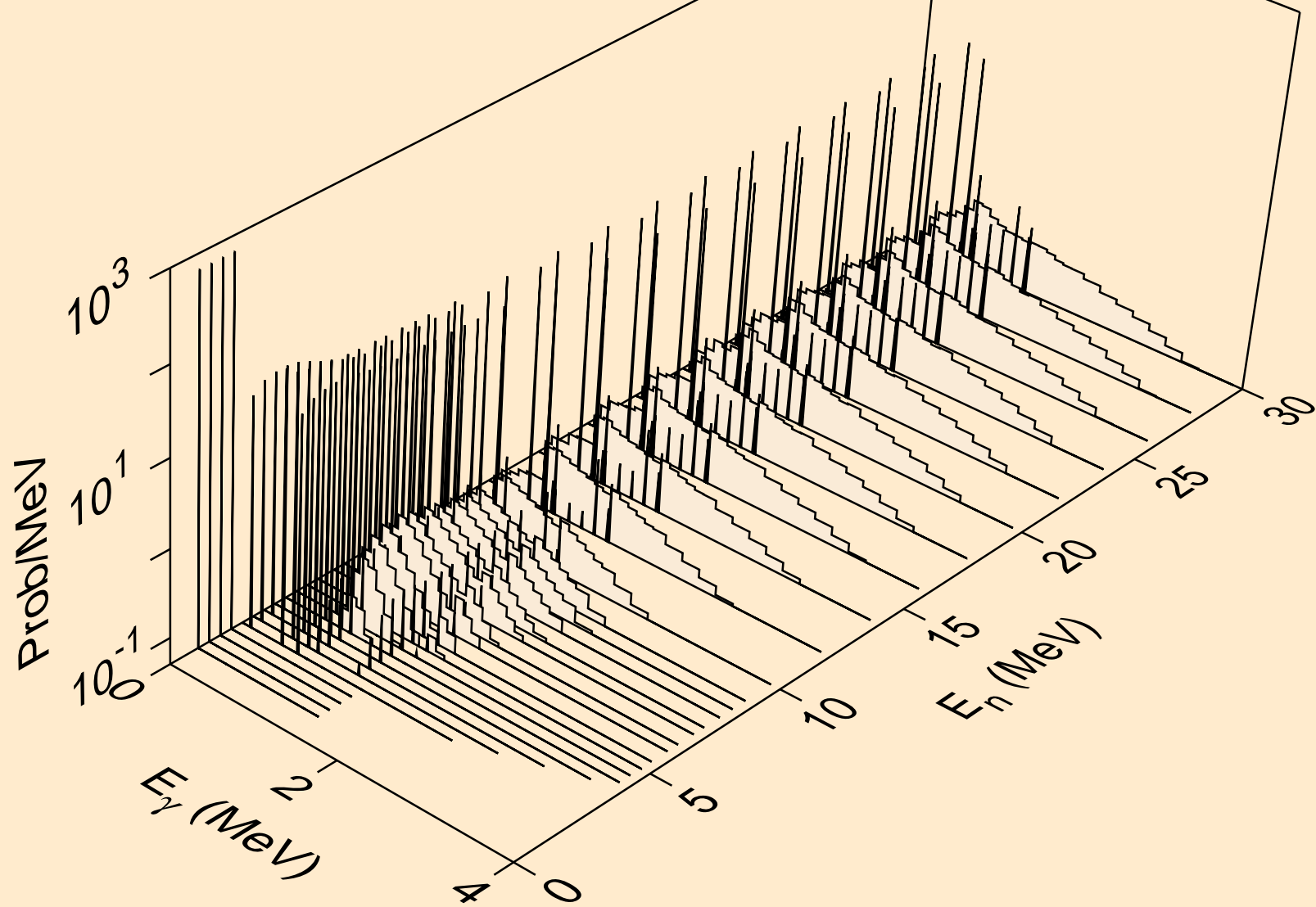
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Photon emission for (n,n\*c)



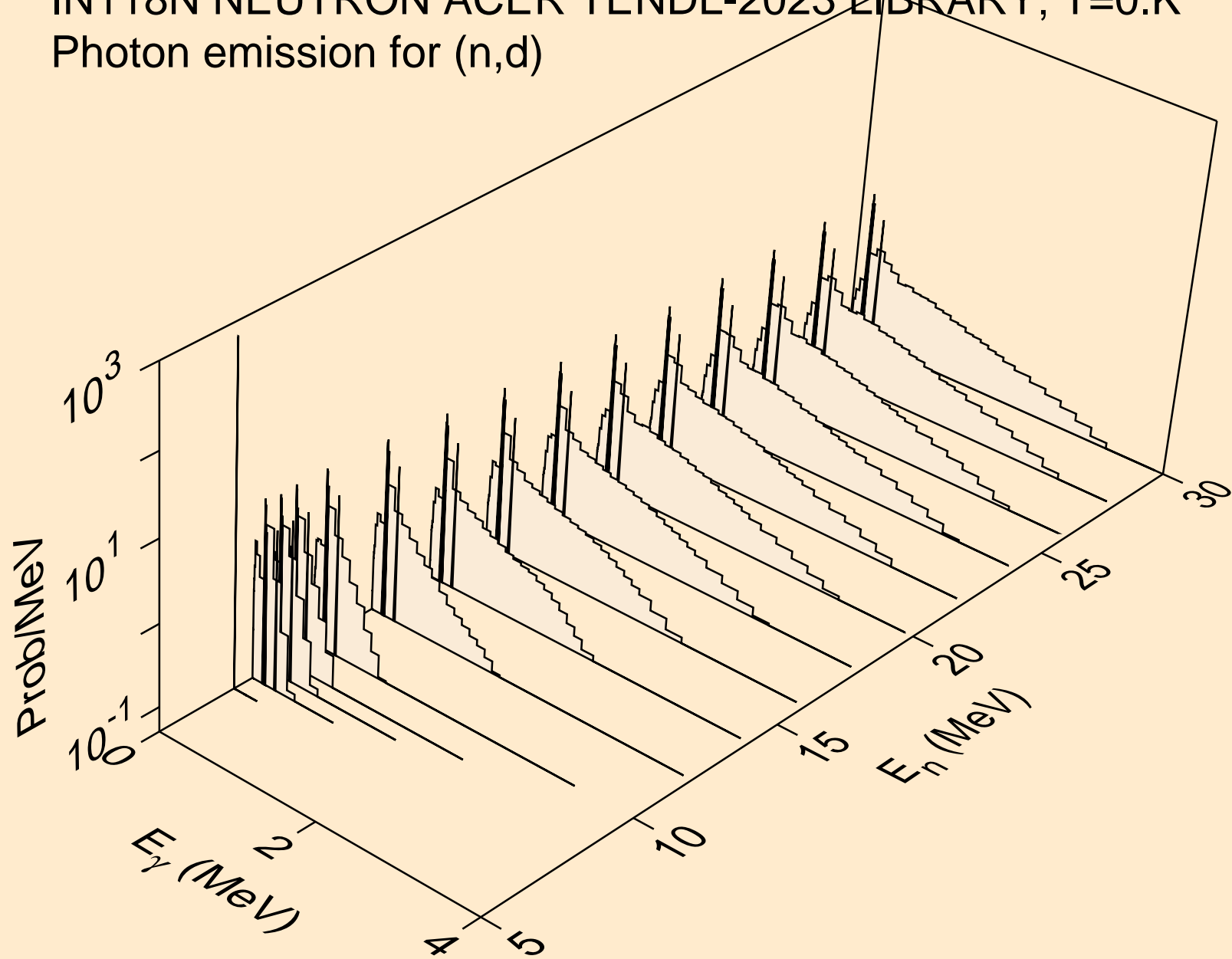
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Photon emission for (n,gma)



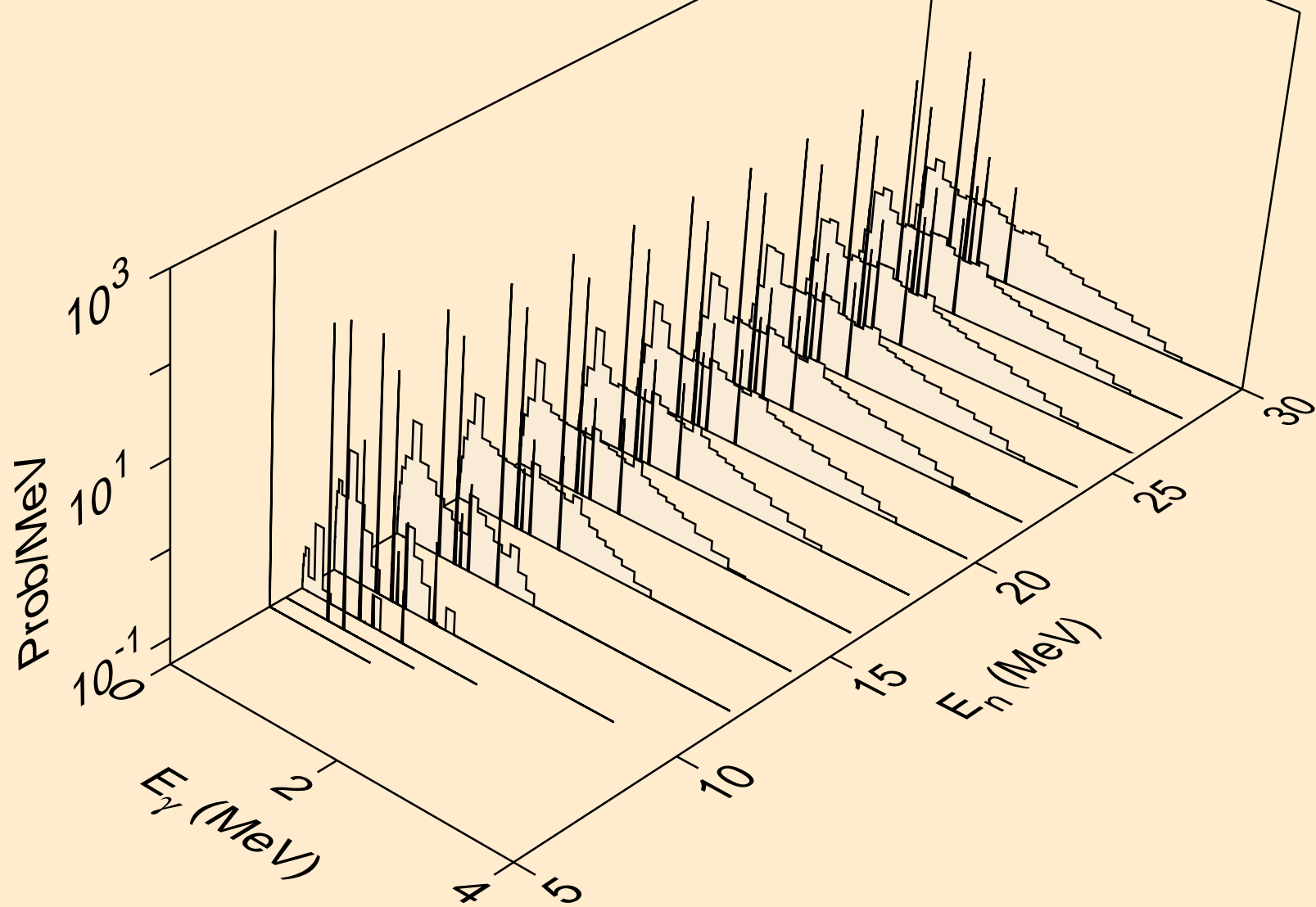
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Photon emission for (n,p)



IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)

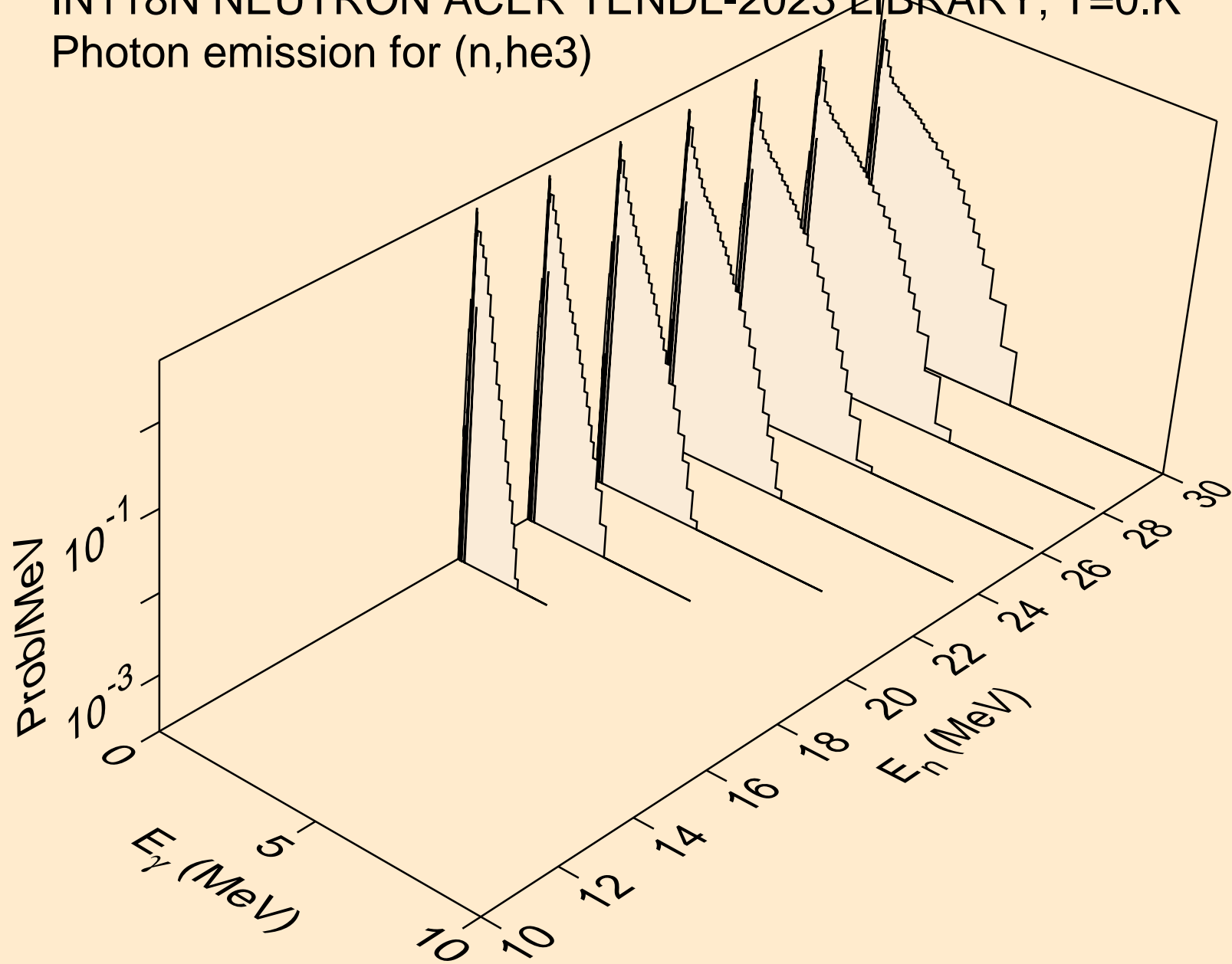


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Photon emission for (n,t)

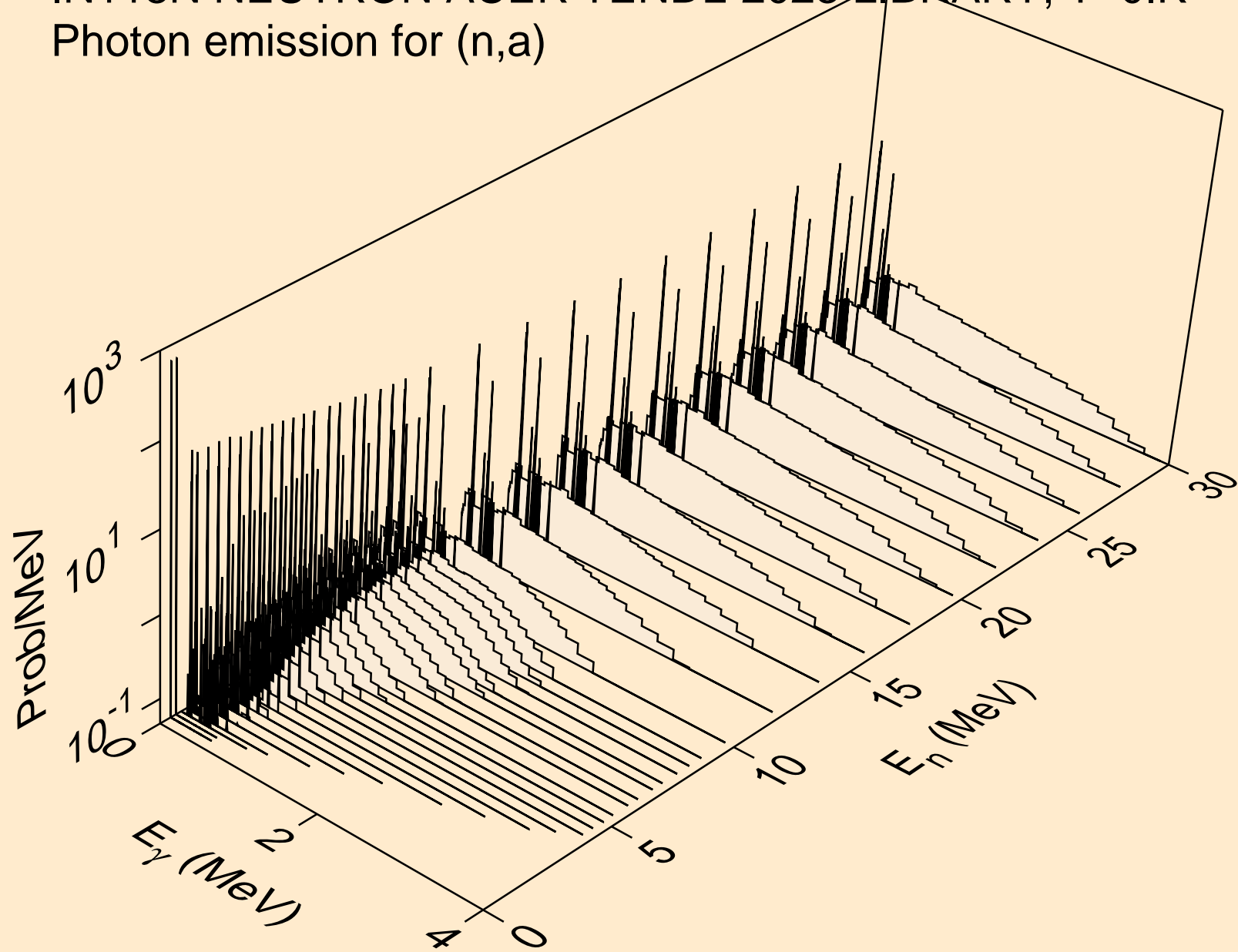




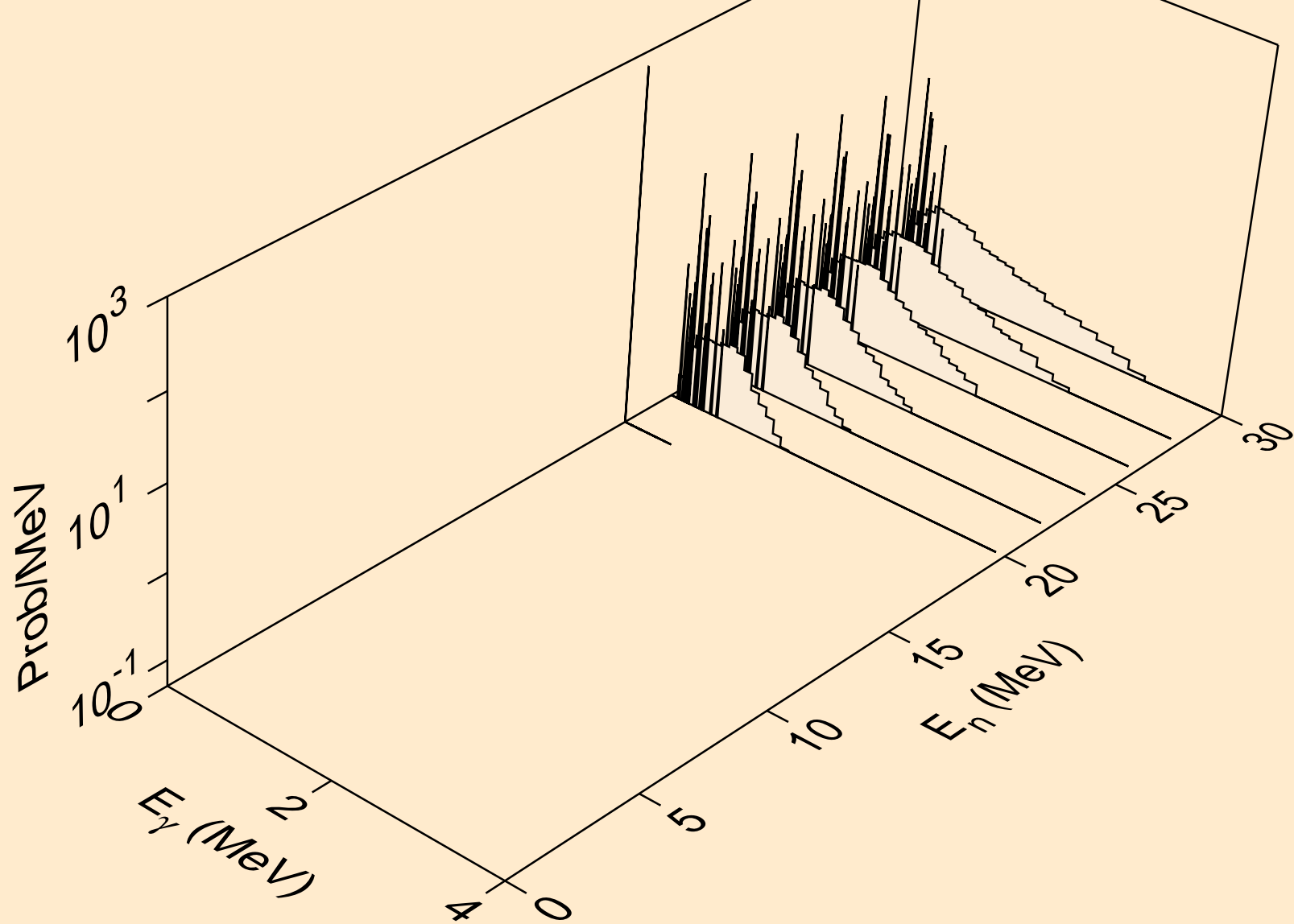
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Photon emission for (n,he3)



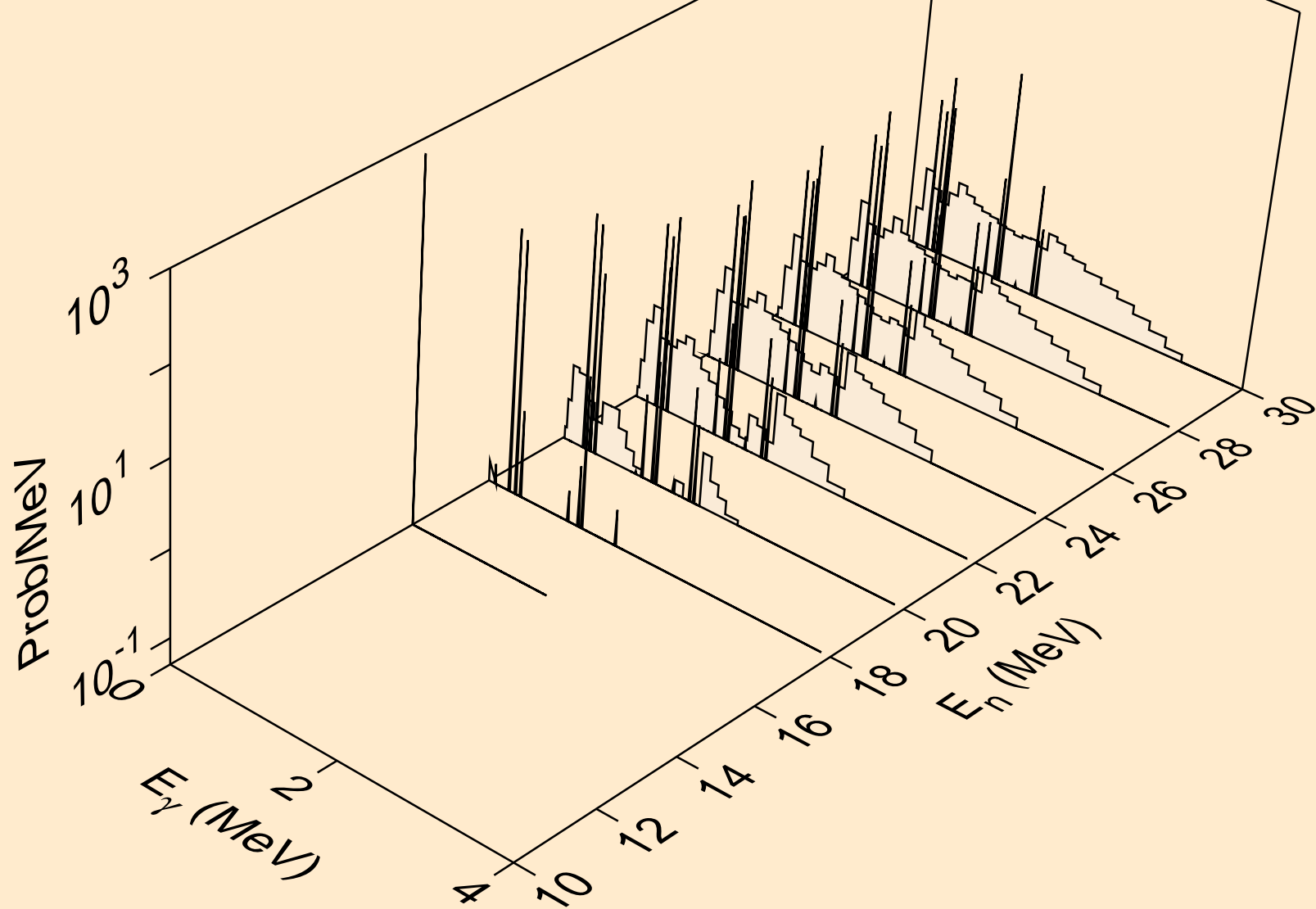
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Photon emission for (n,a)



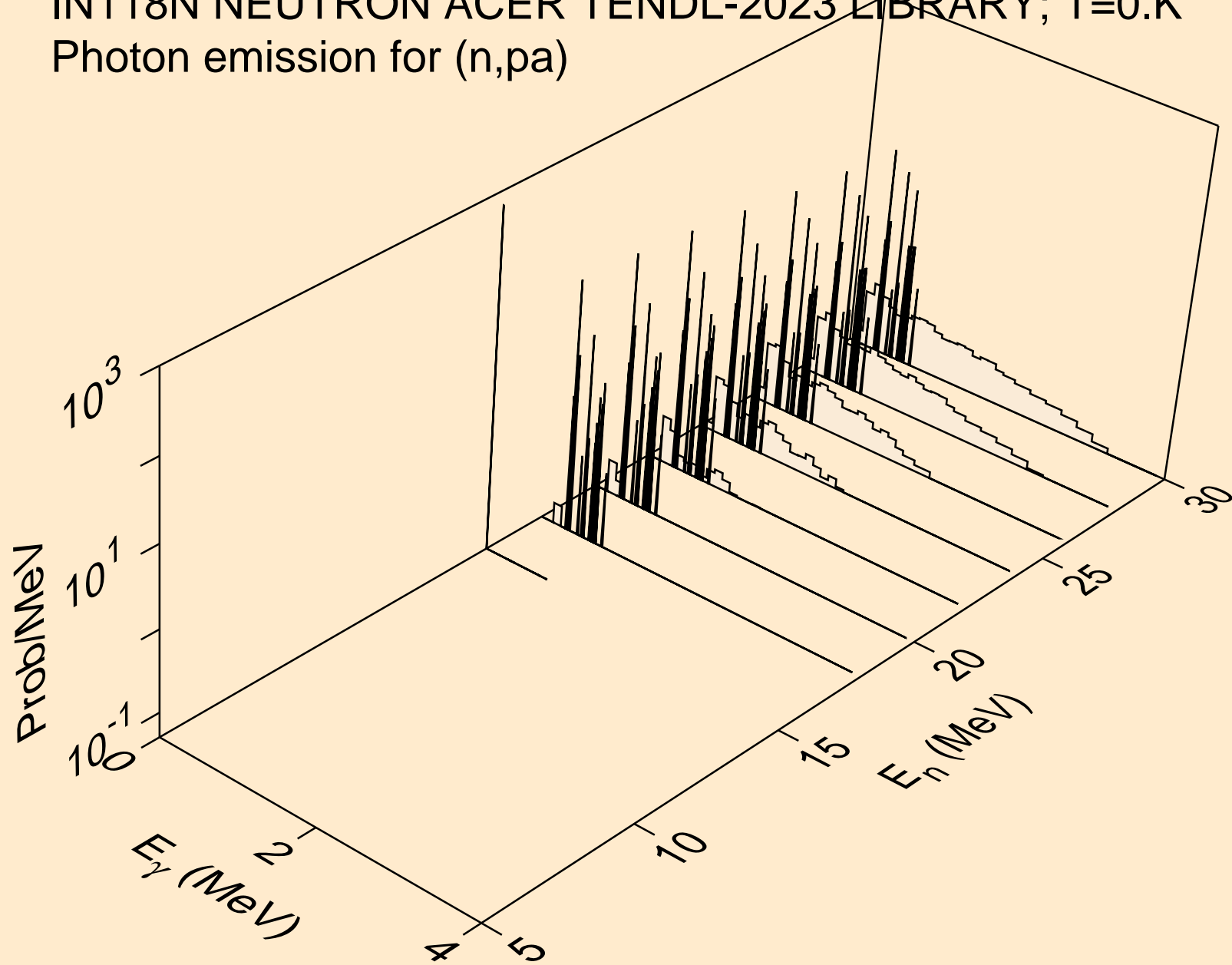
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Photon emission for (n,2a)



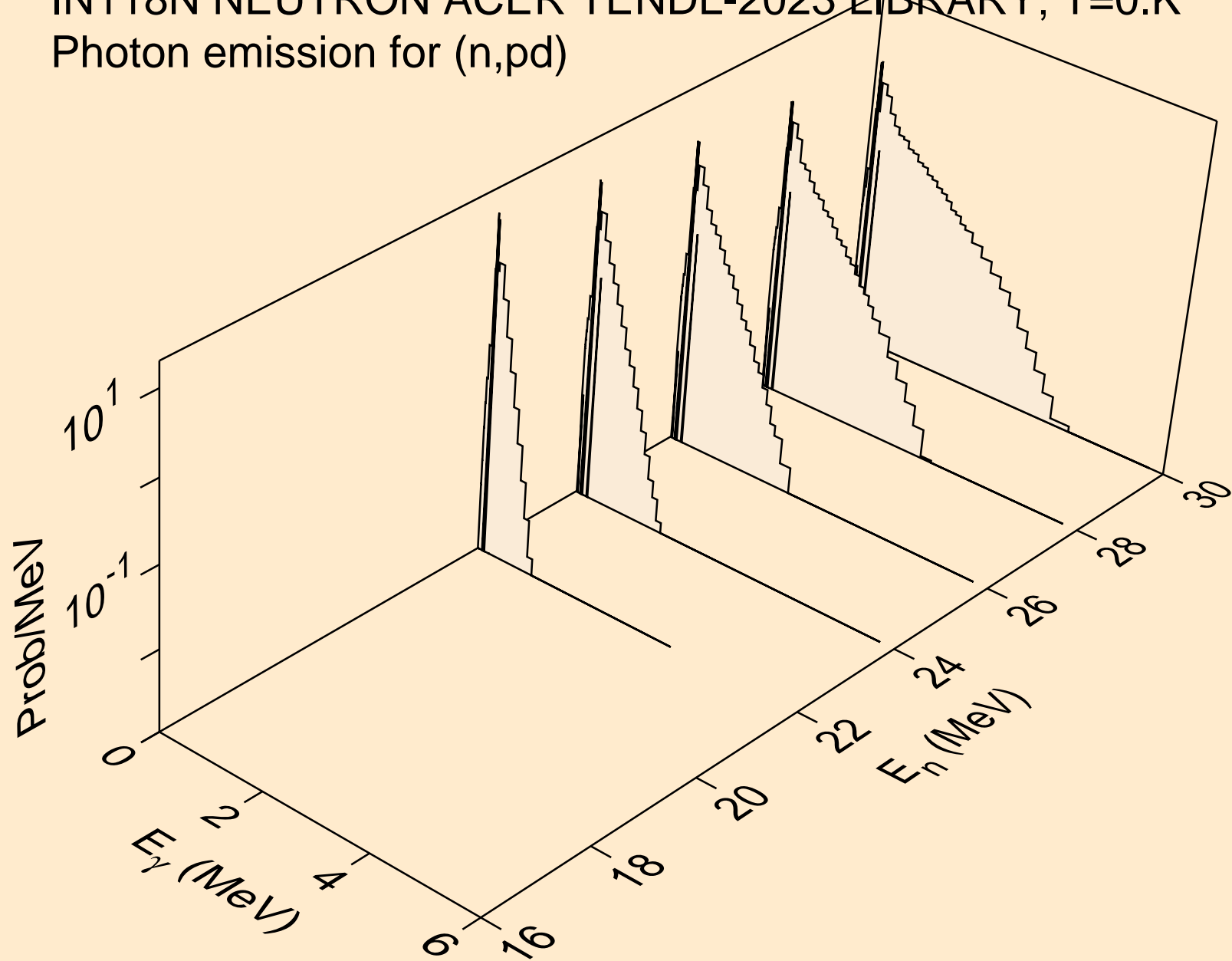
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Photon emission for (n,2p)



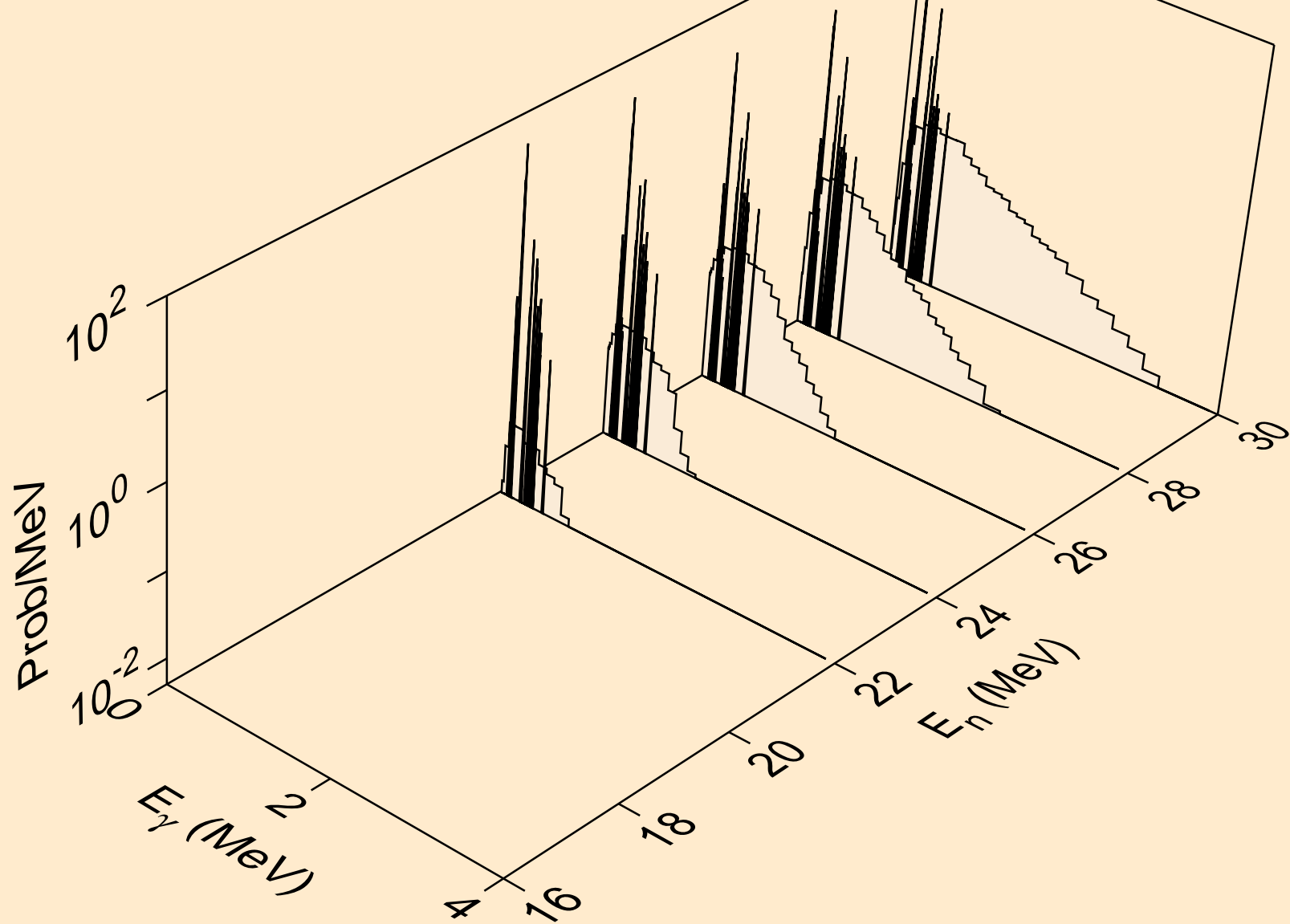
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Photon emission for (n,p $\alpha$ )



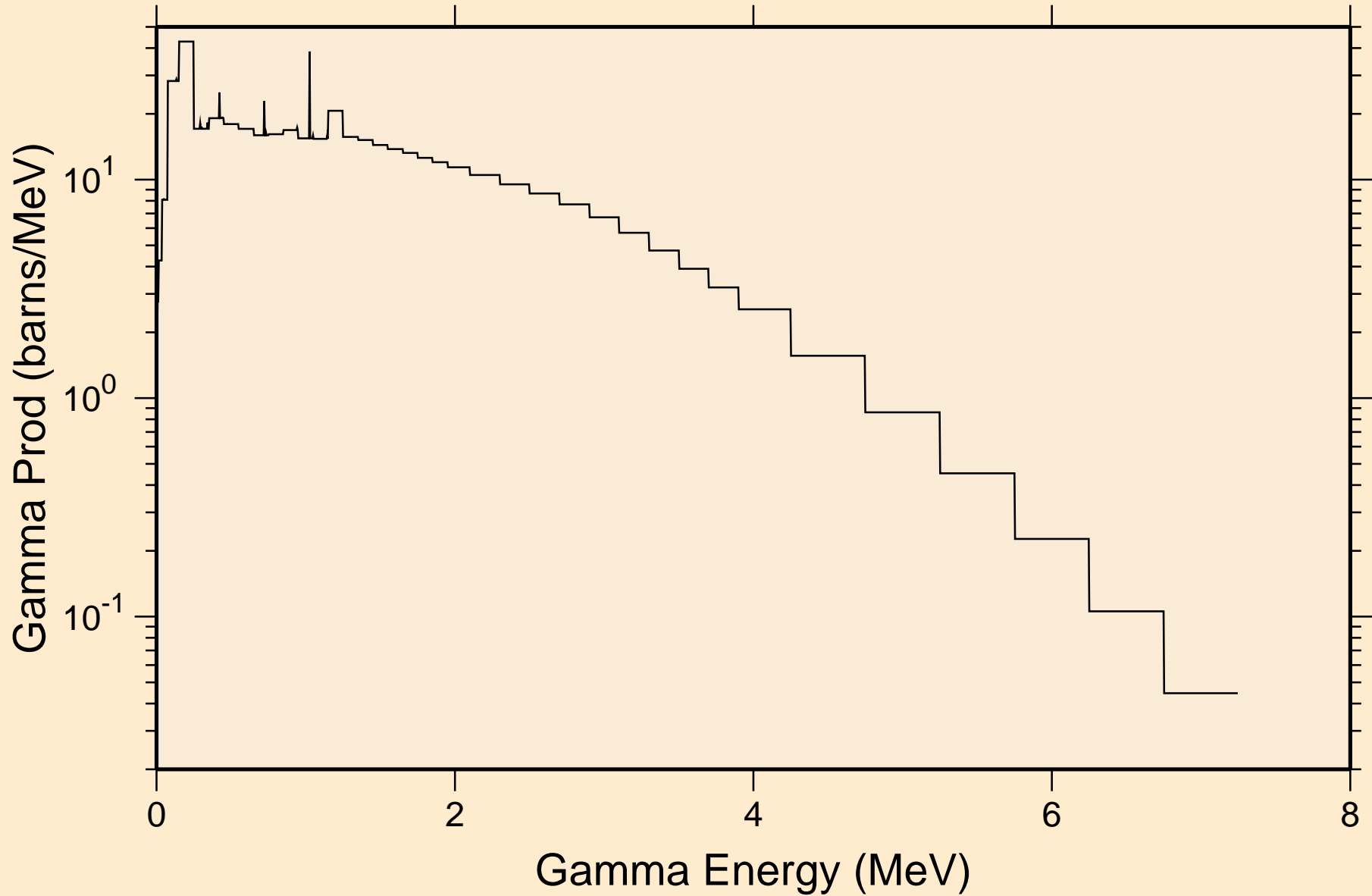
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Photon emission for (n,pd)



IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

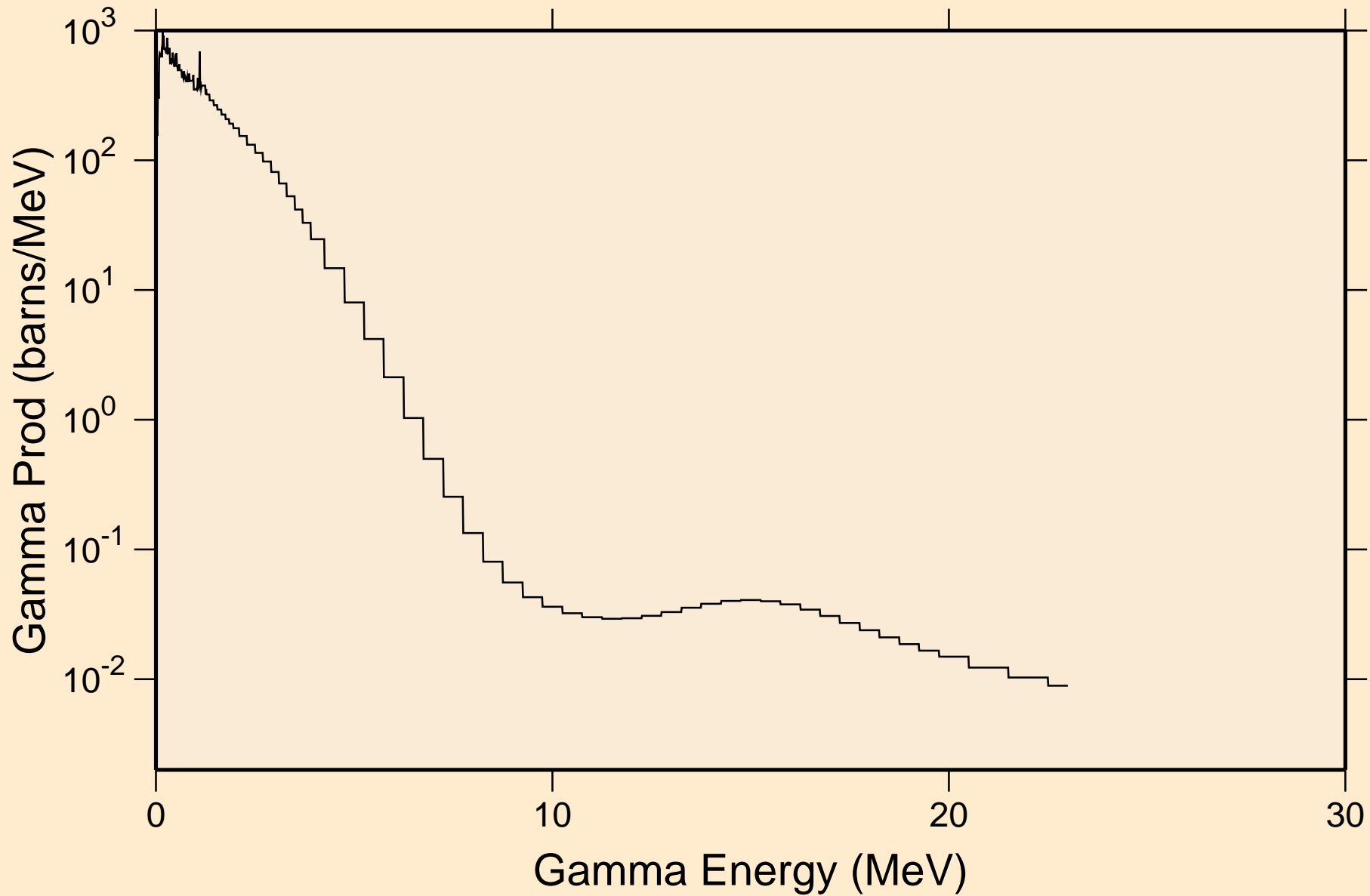


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thermal capture photon spectrum



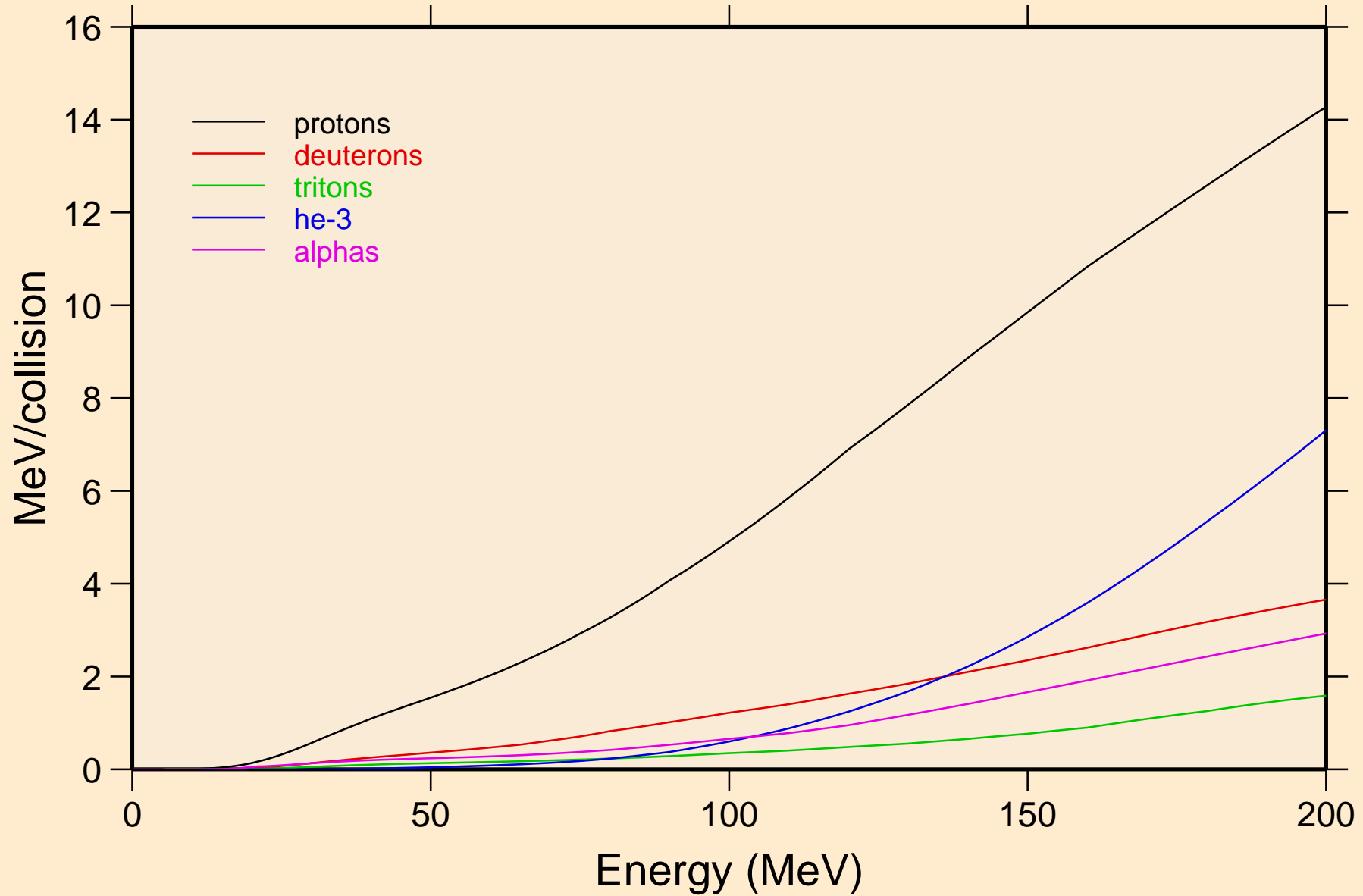


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14 MeV photon spectrum



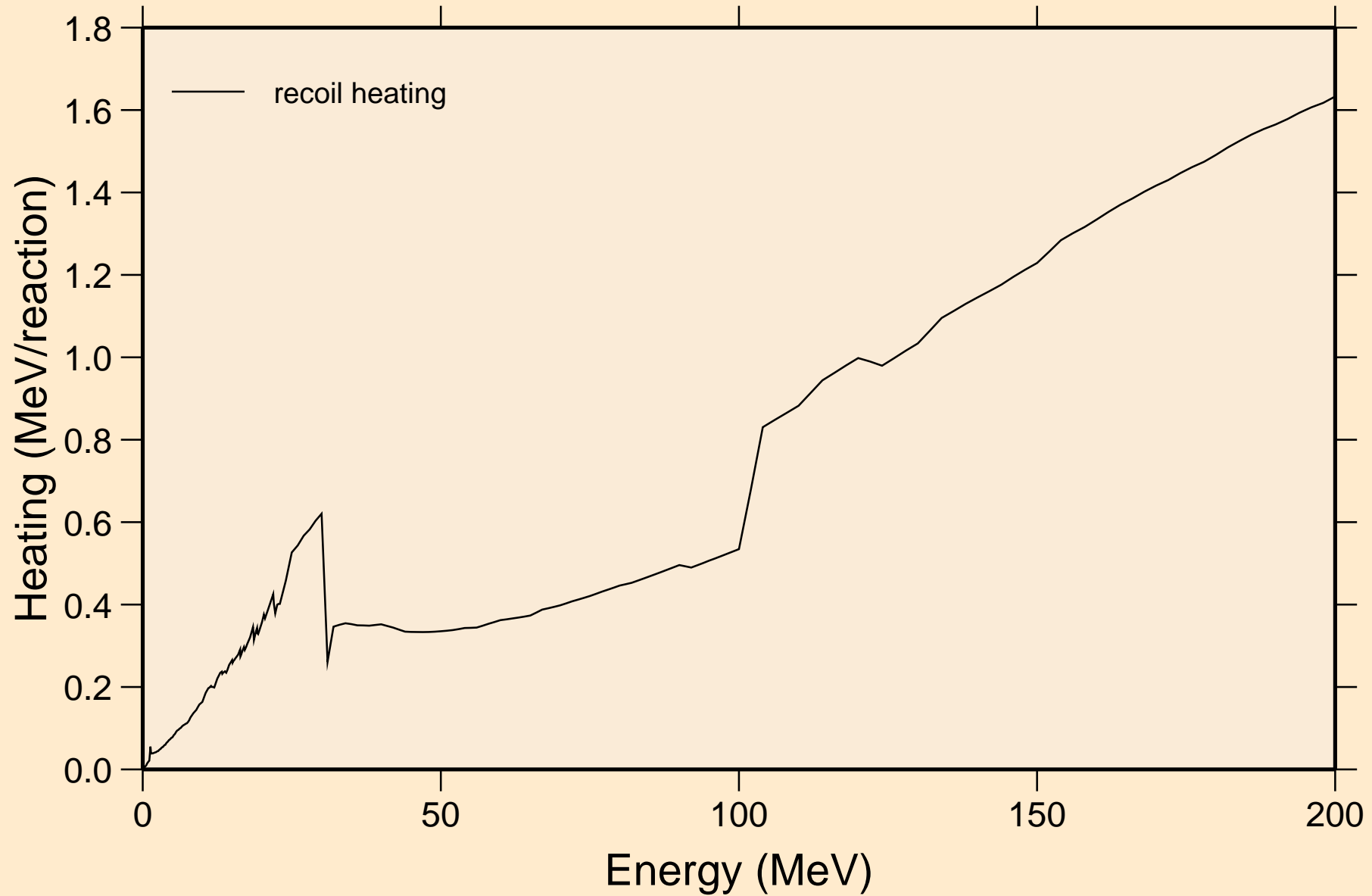
# IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



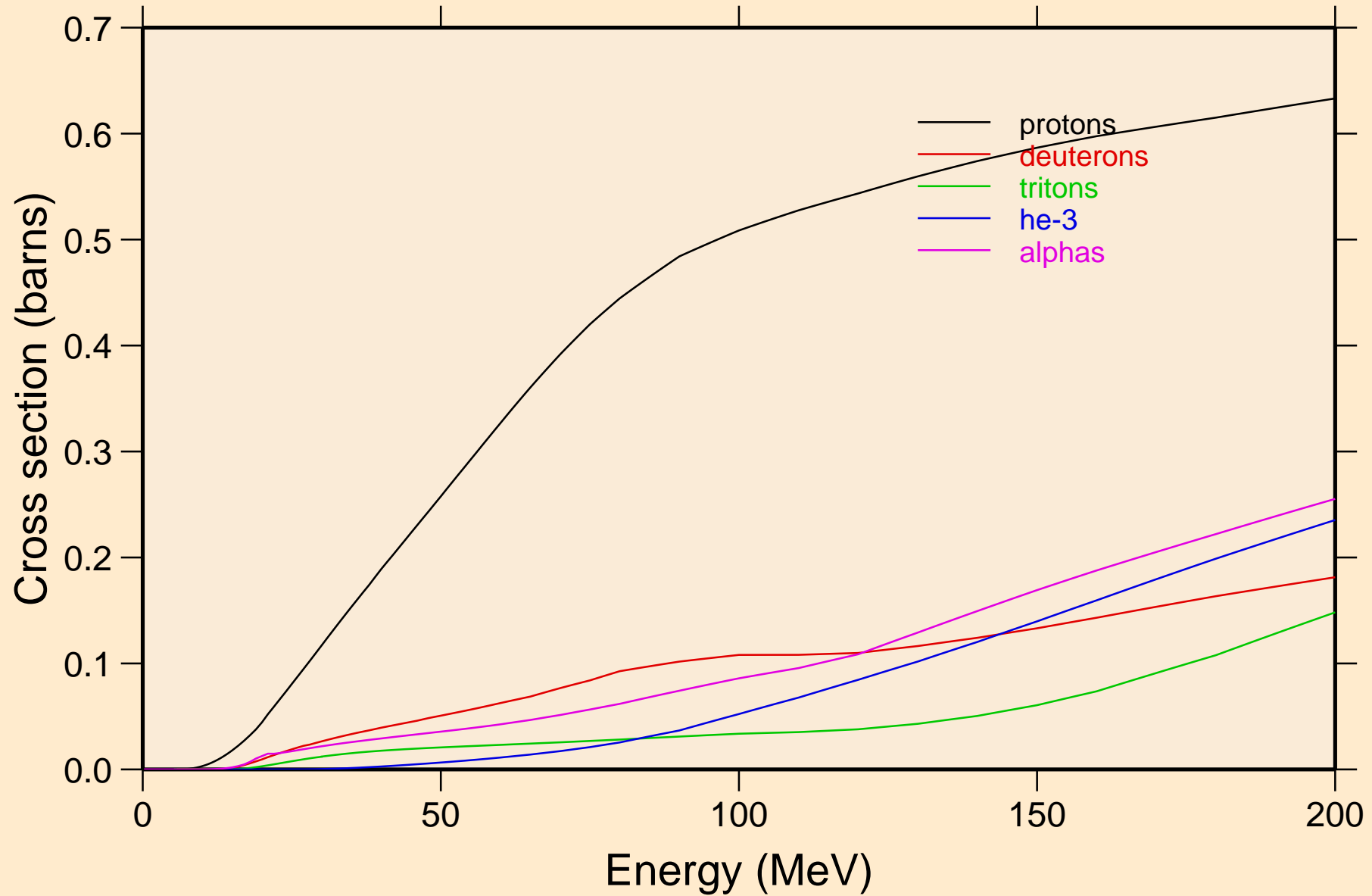
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## Recoil Heating

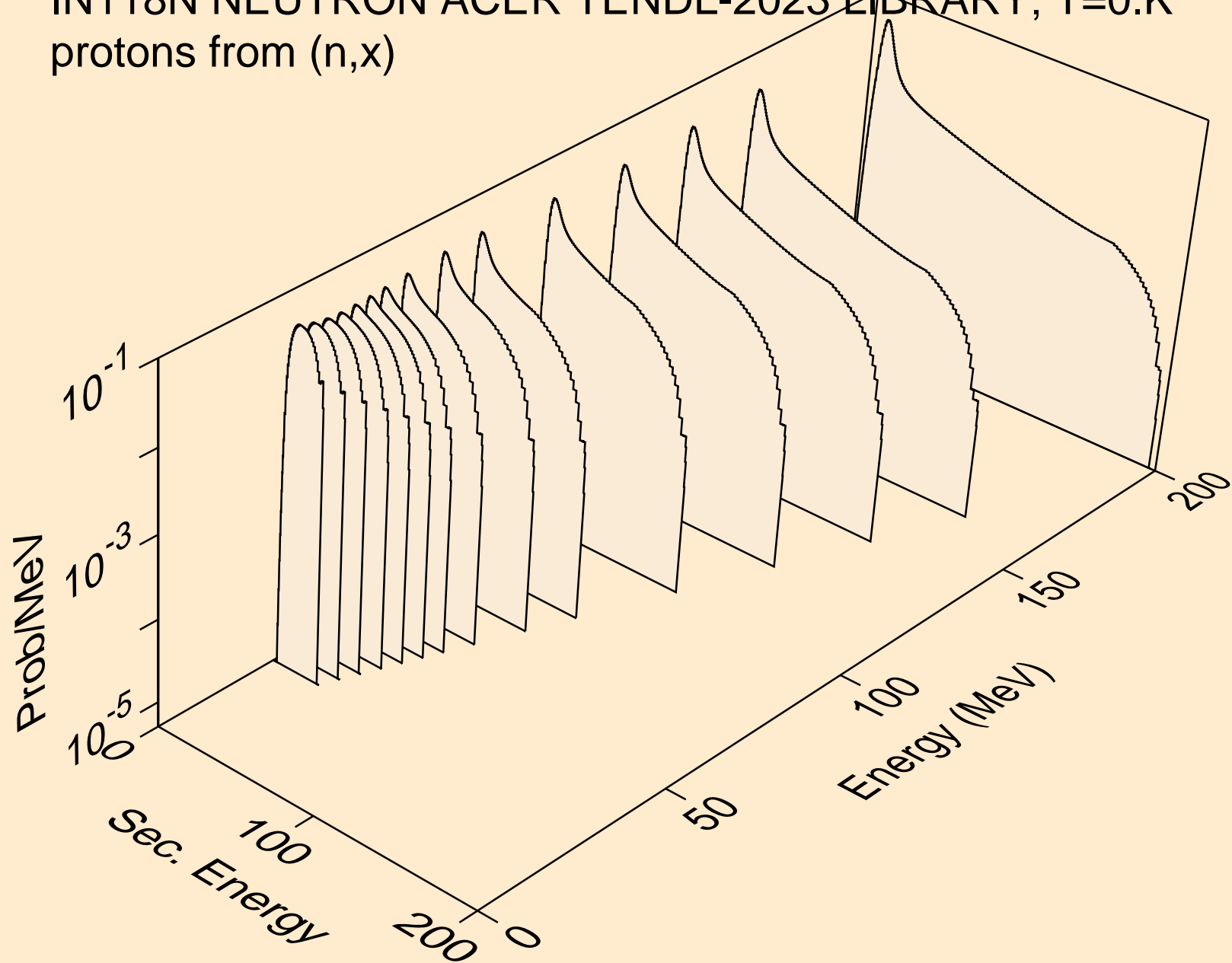


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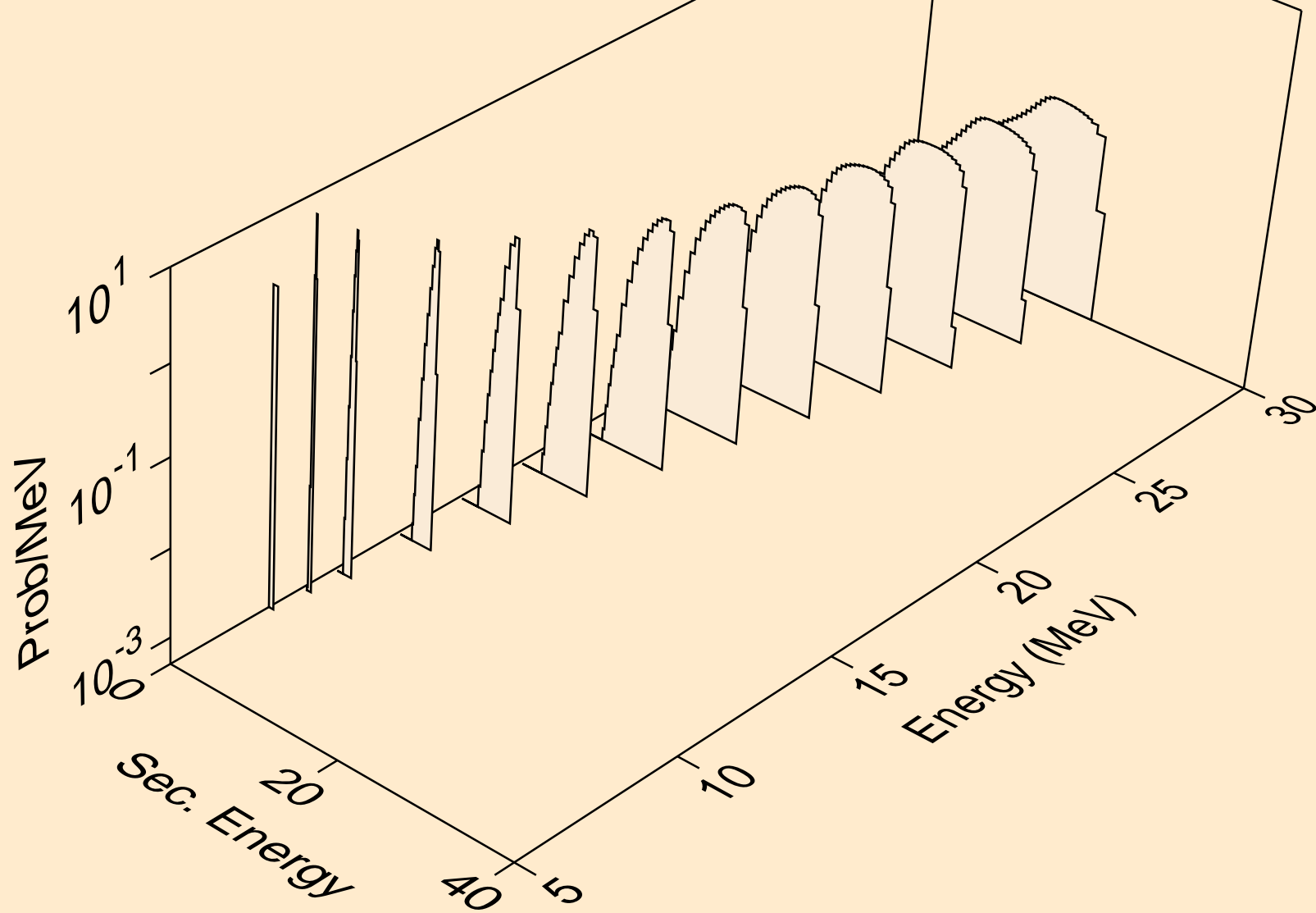
## Particle production cross sections



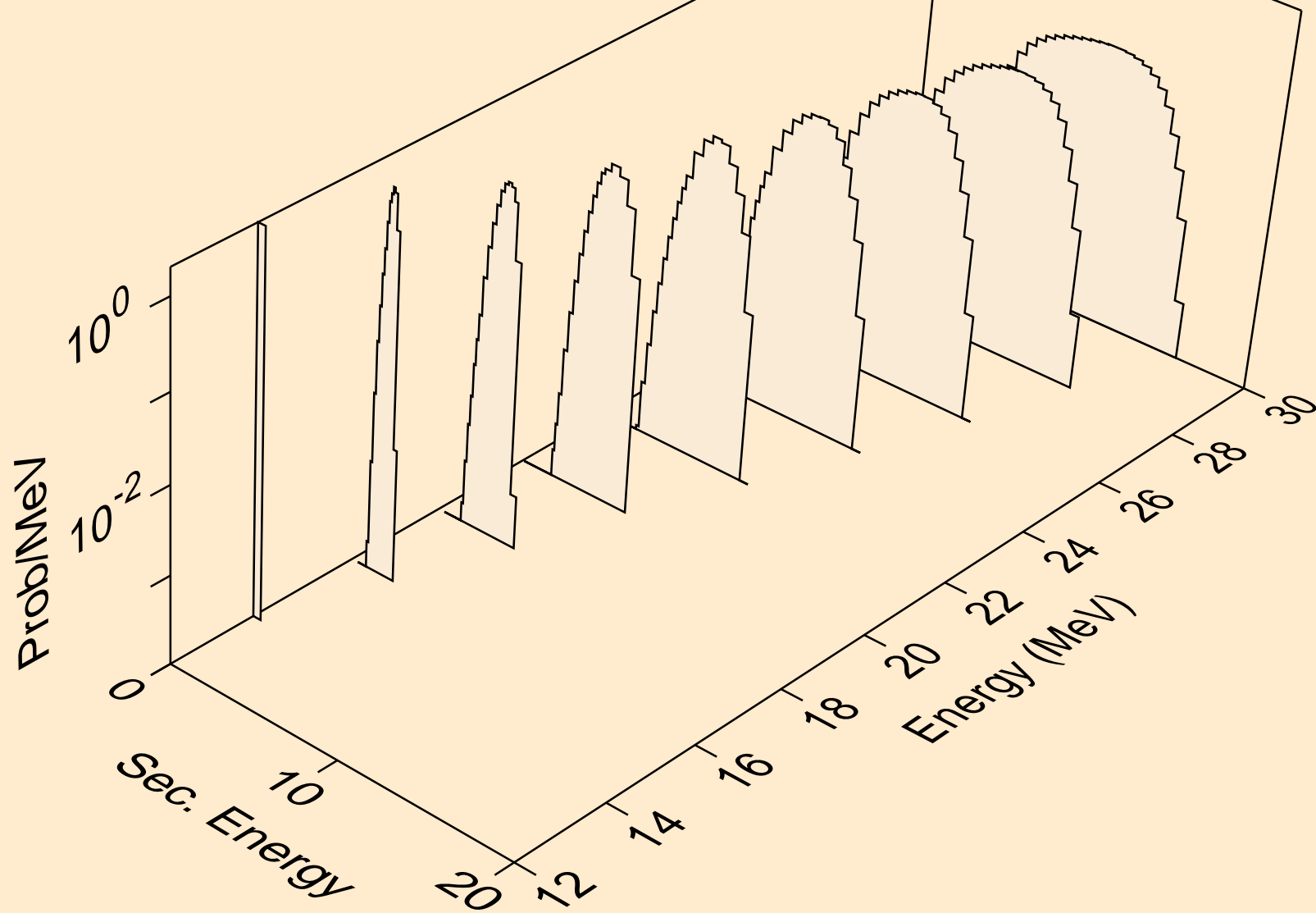
IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



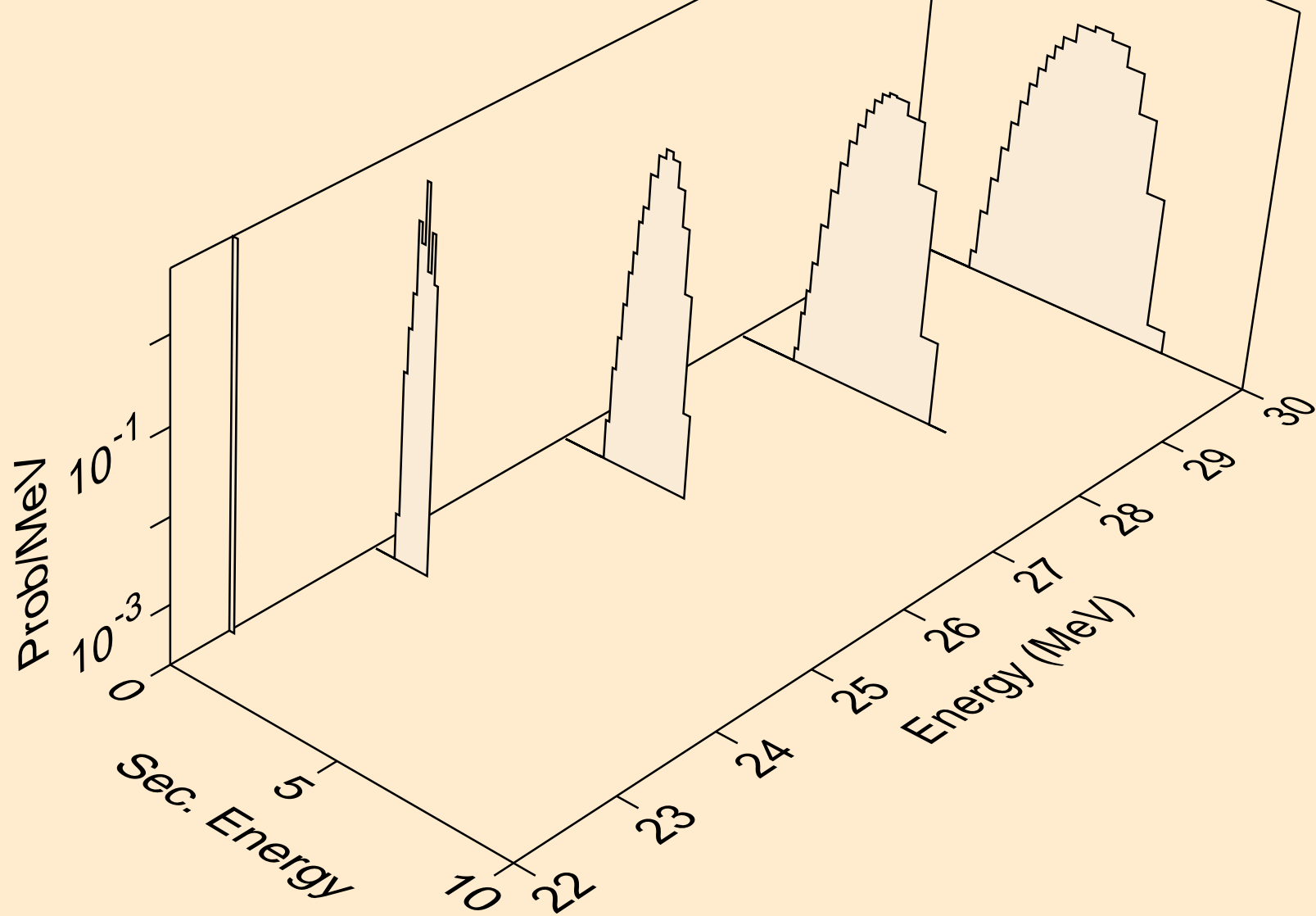
IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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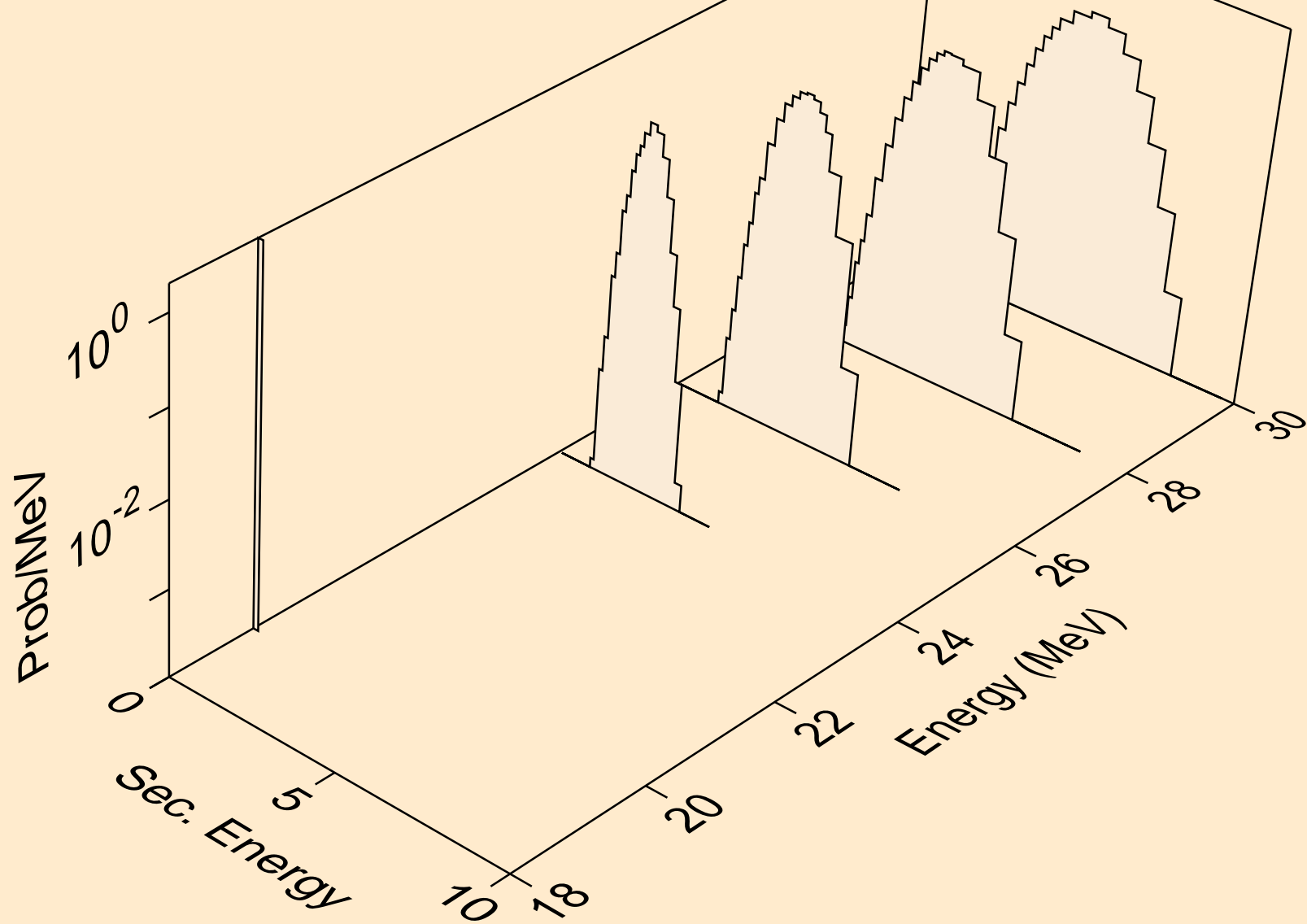


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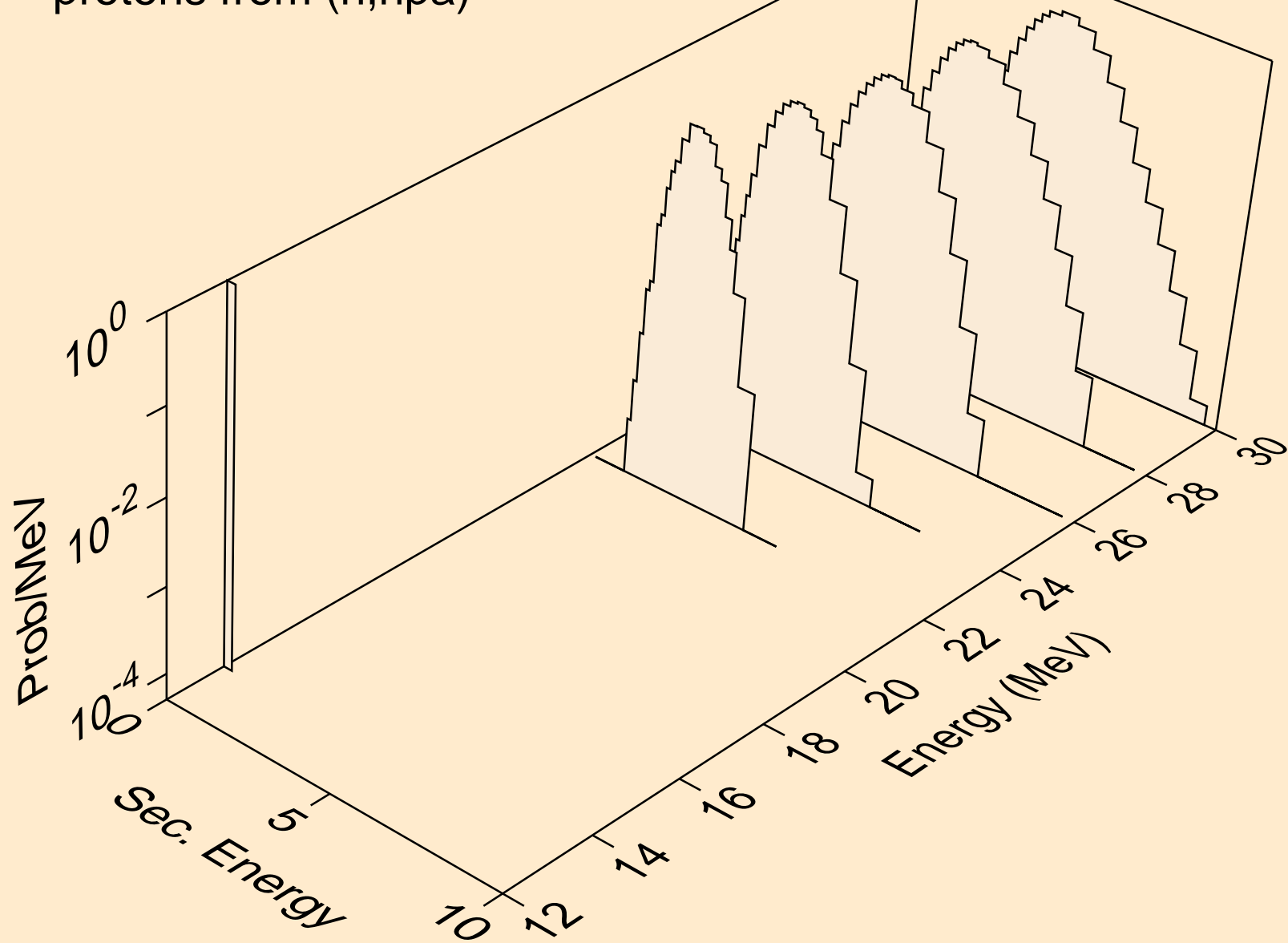




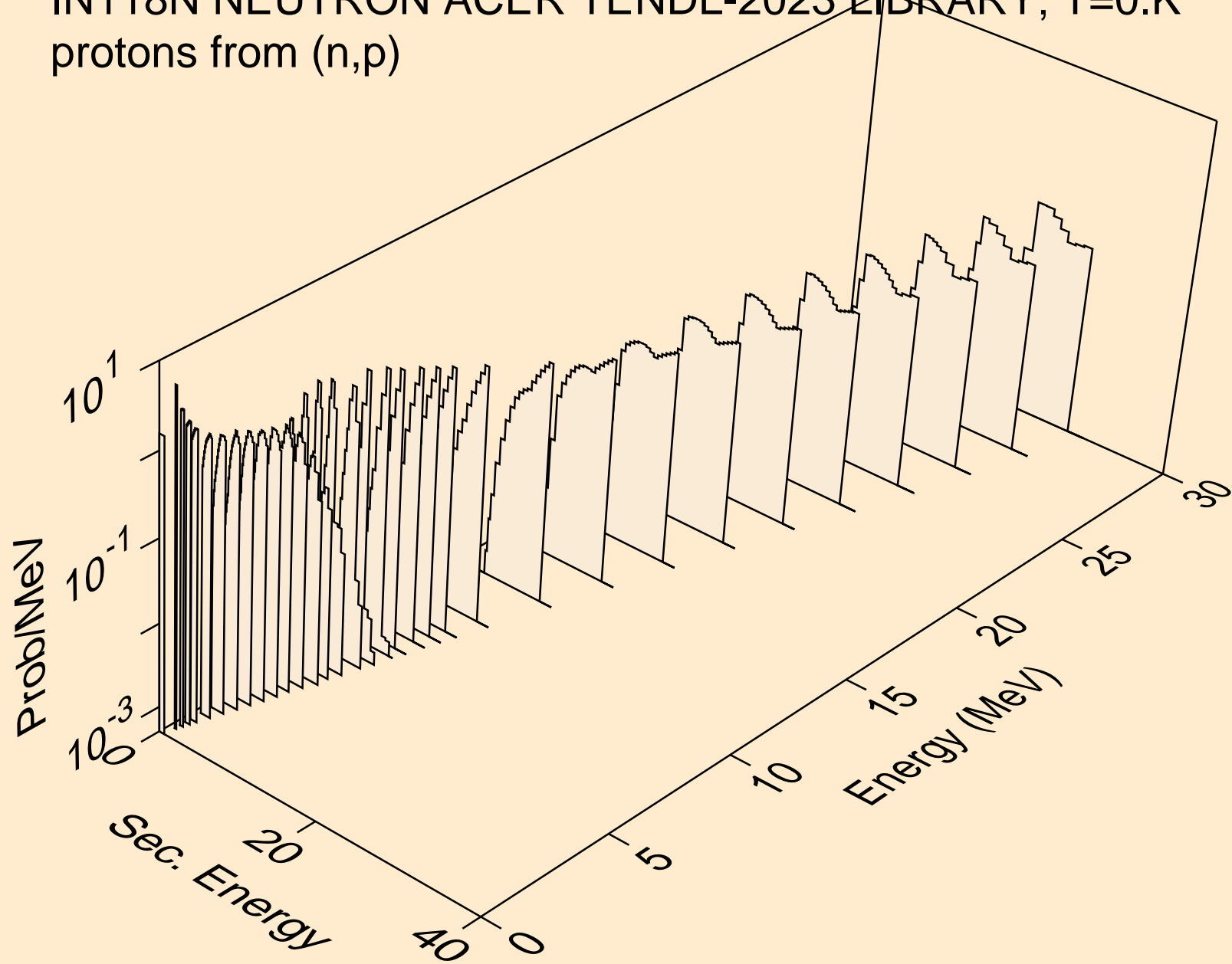
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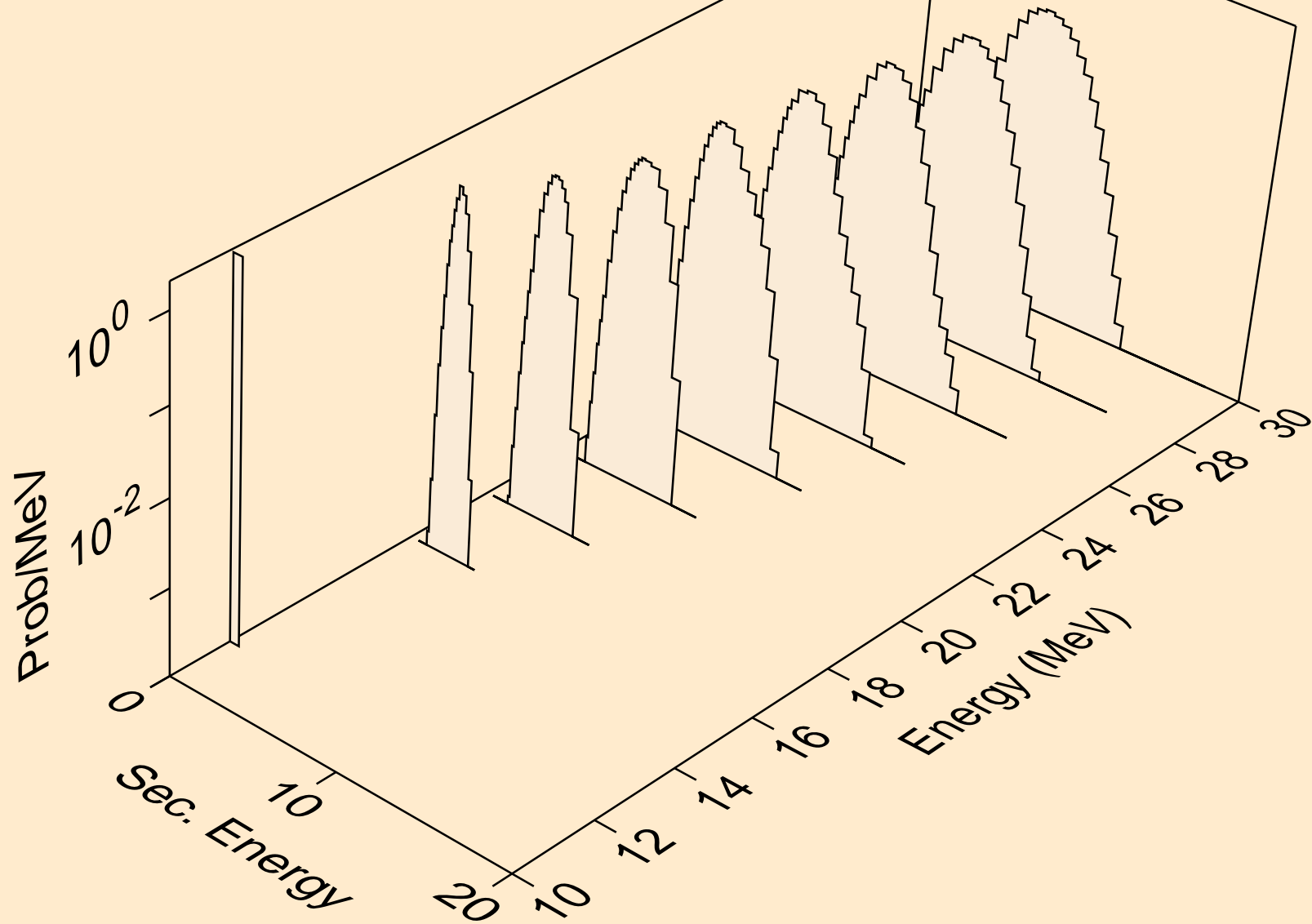
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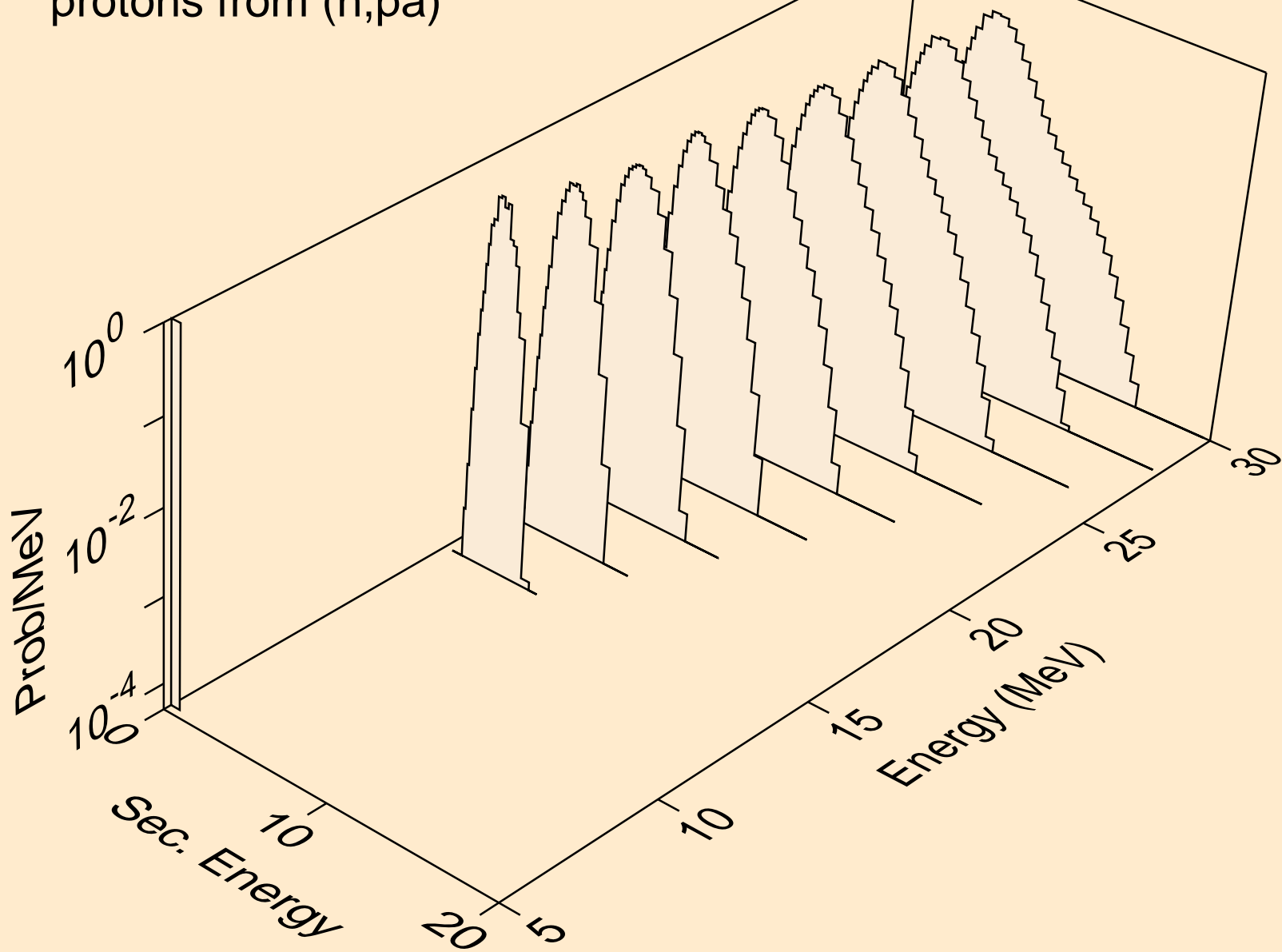
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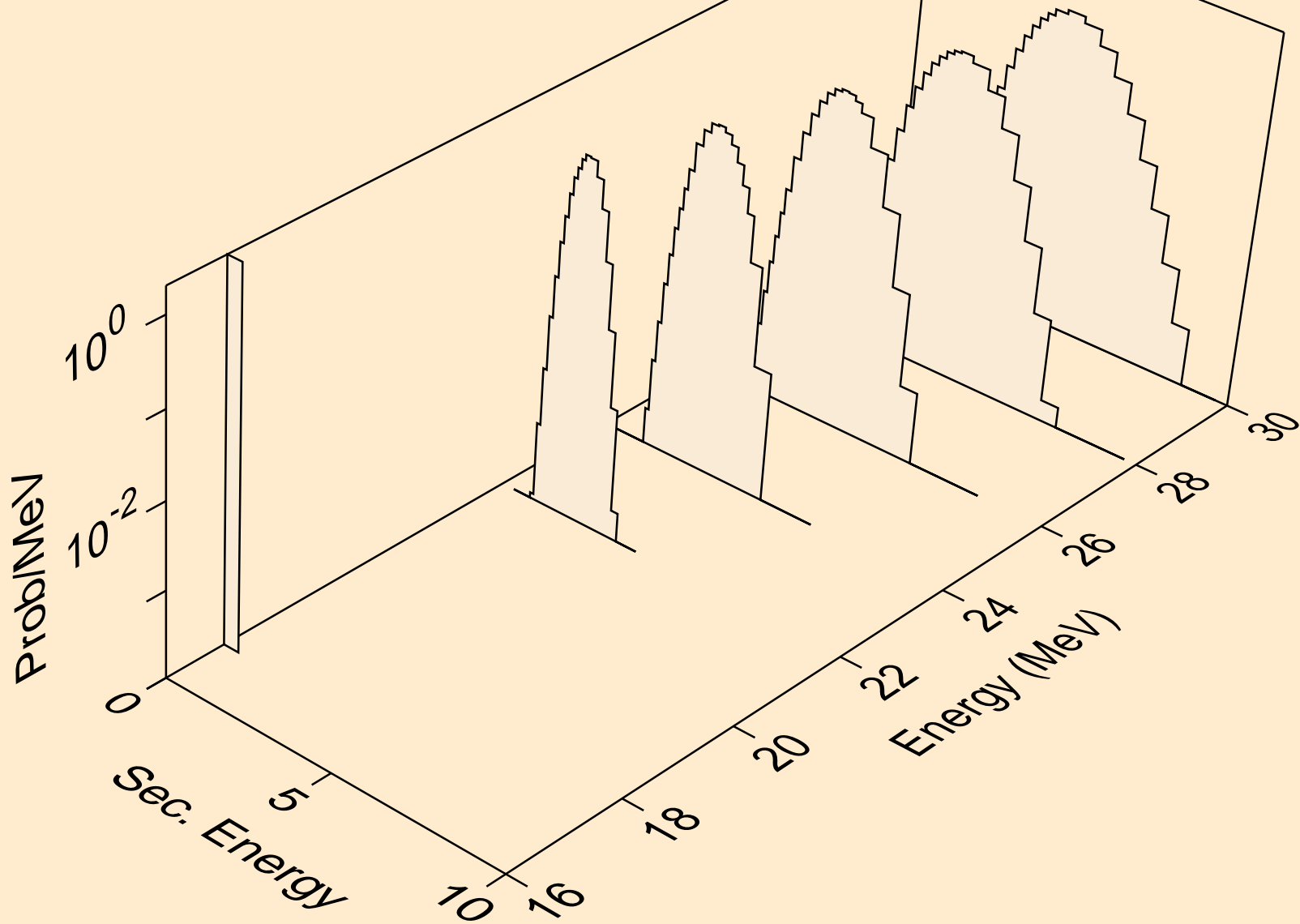
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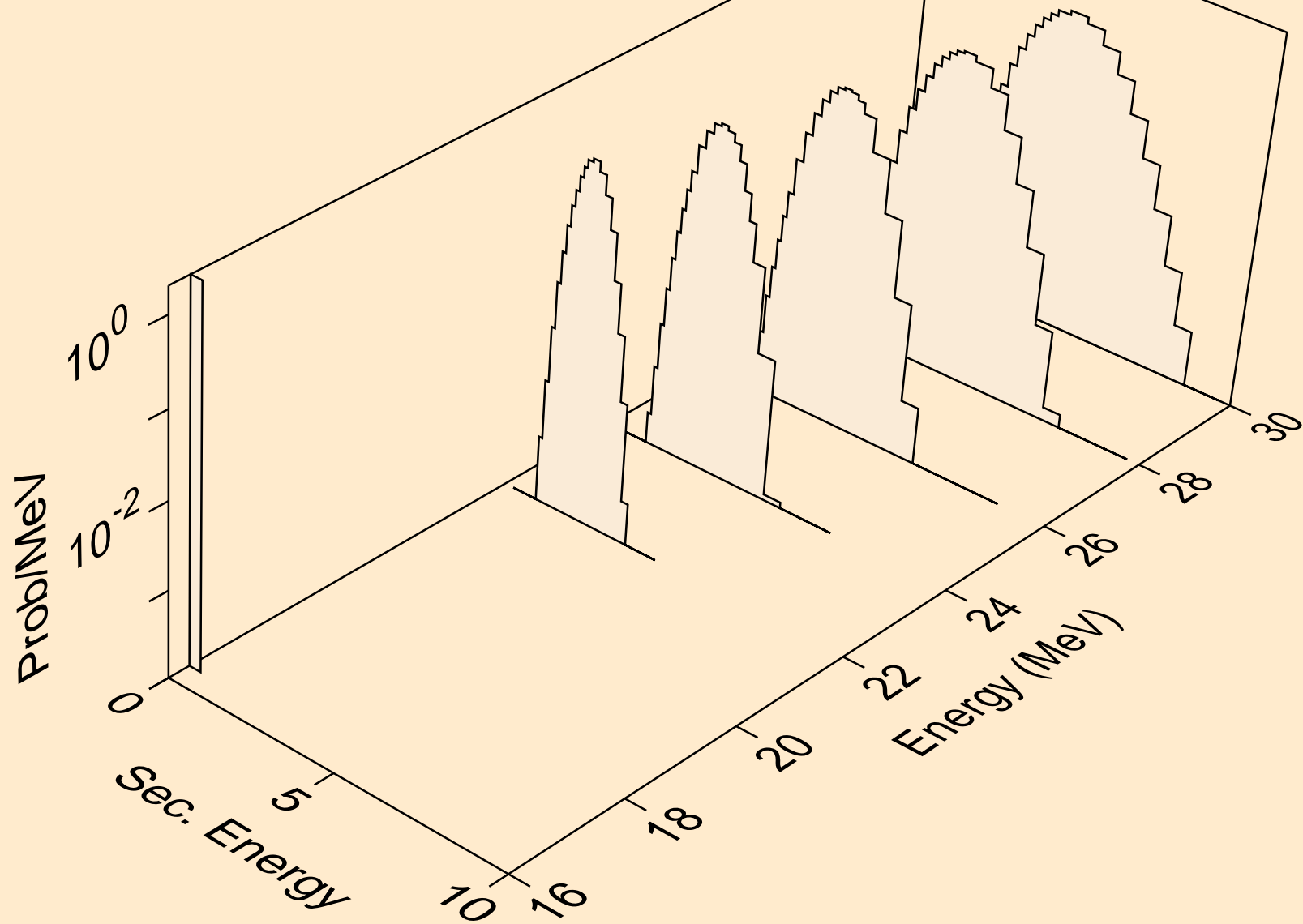
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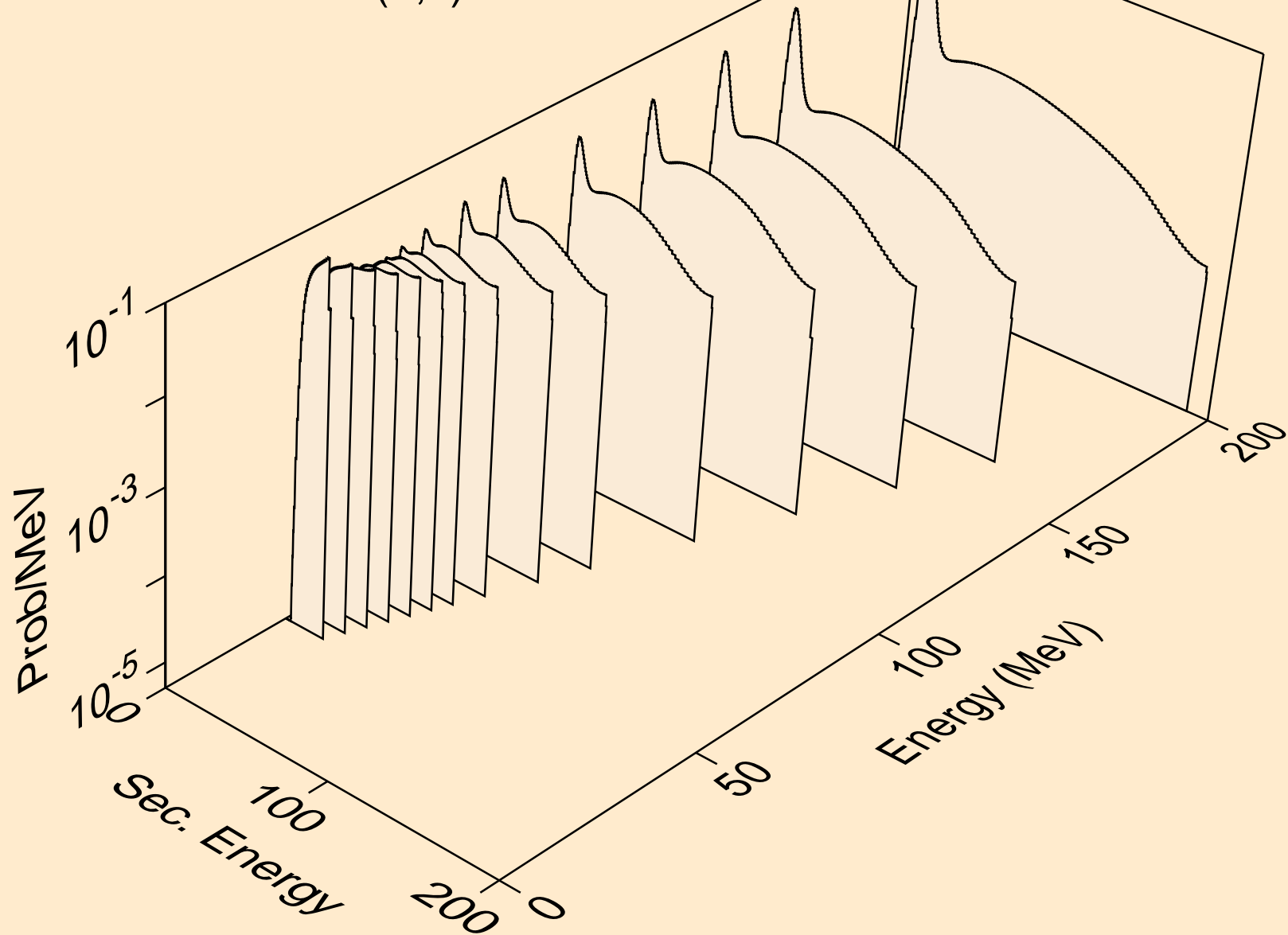
IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)



IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pt)

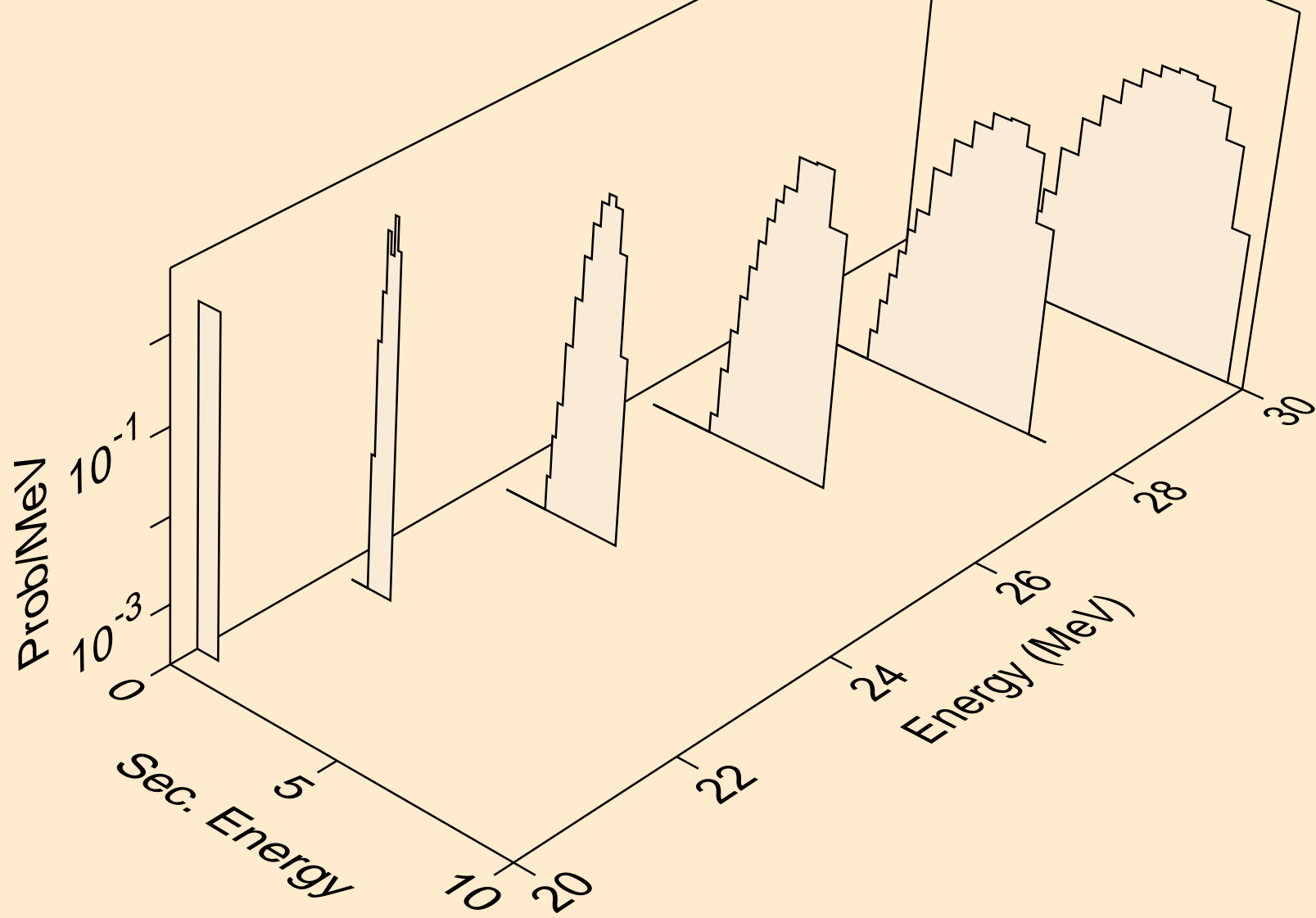


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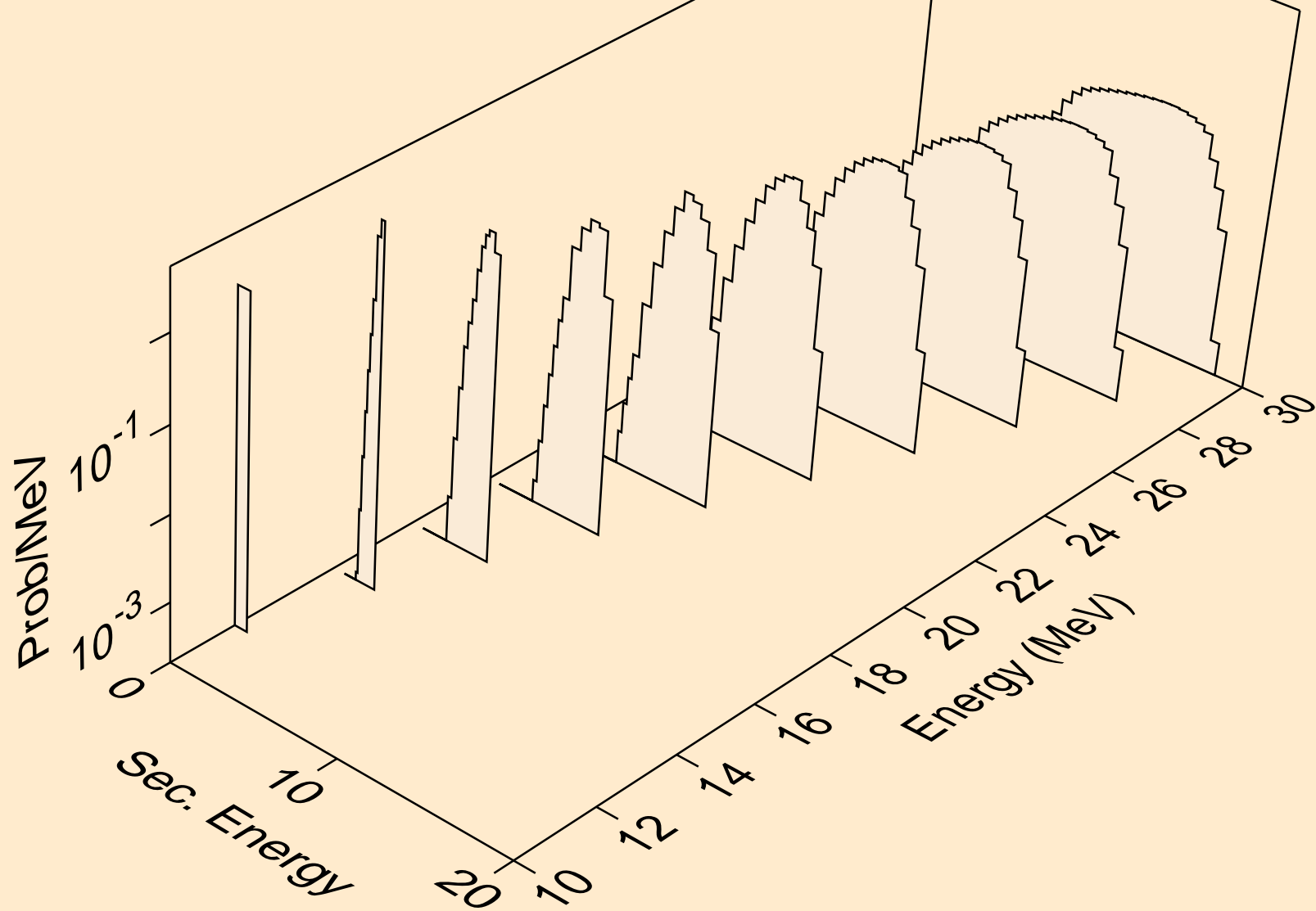




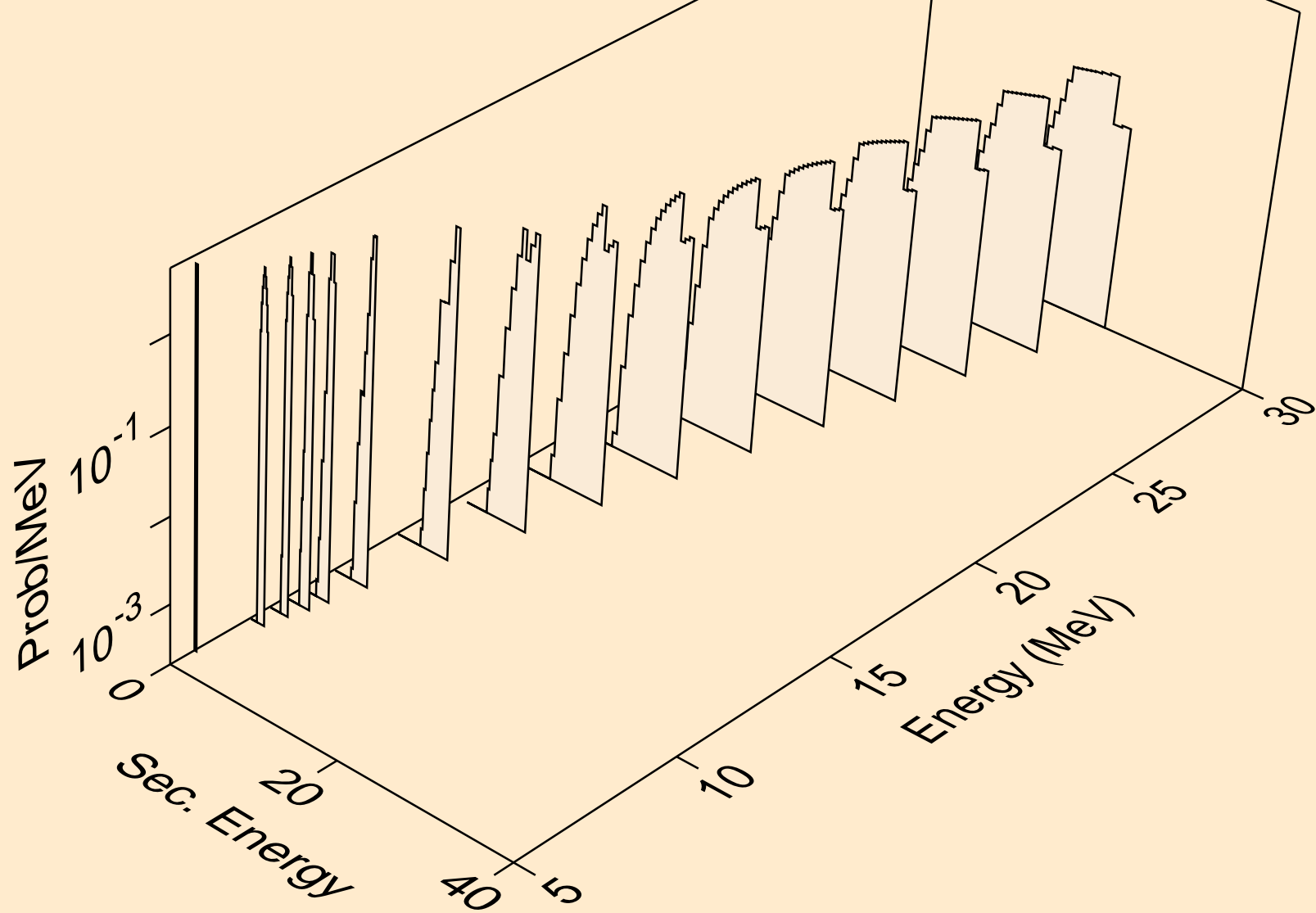
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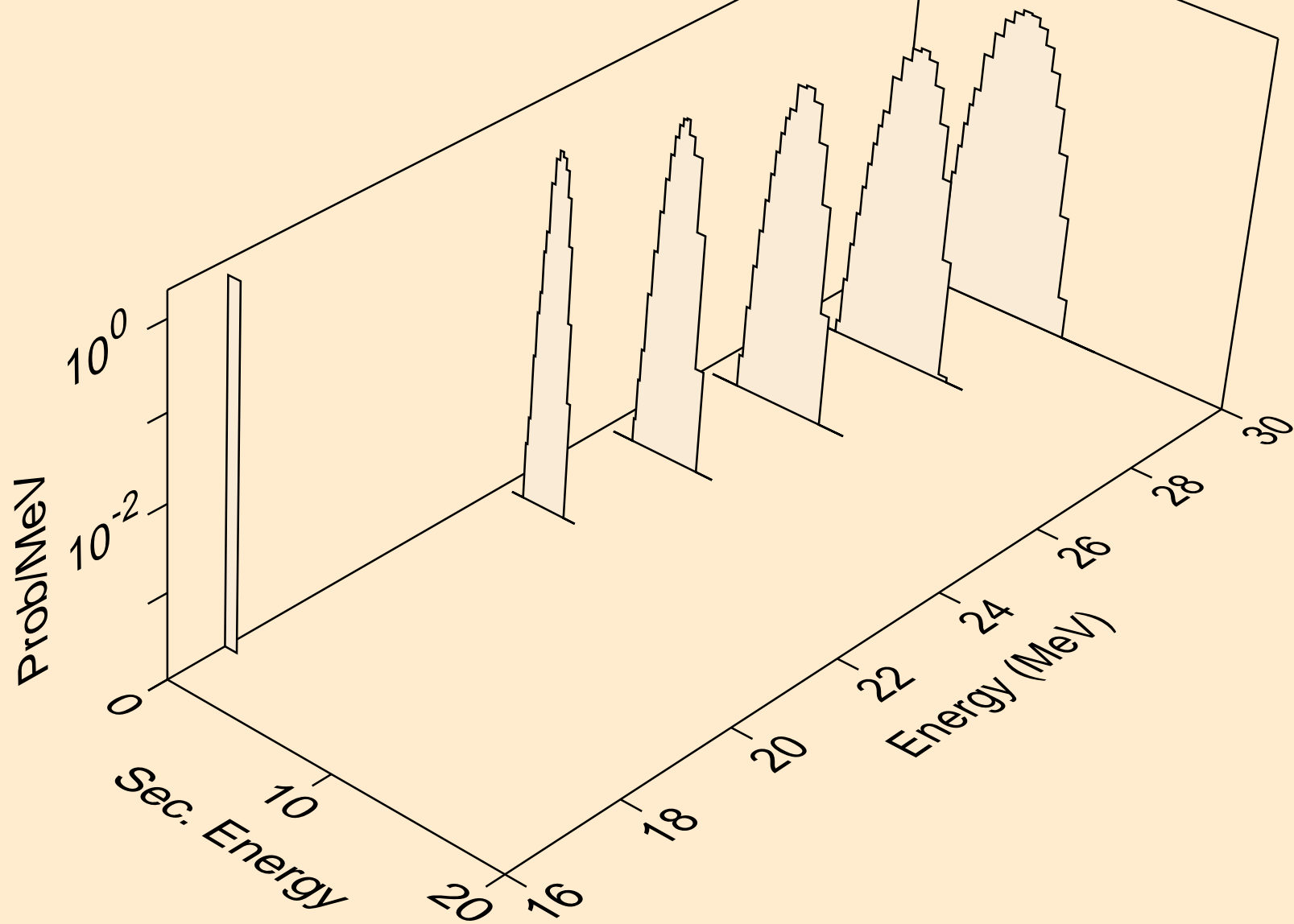
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deuterons from (n,n\*)d



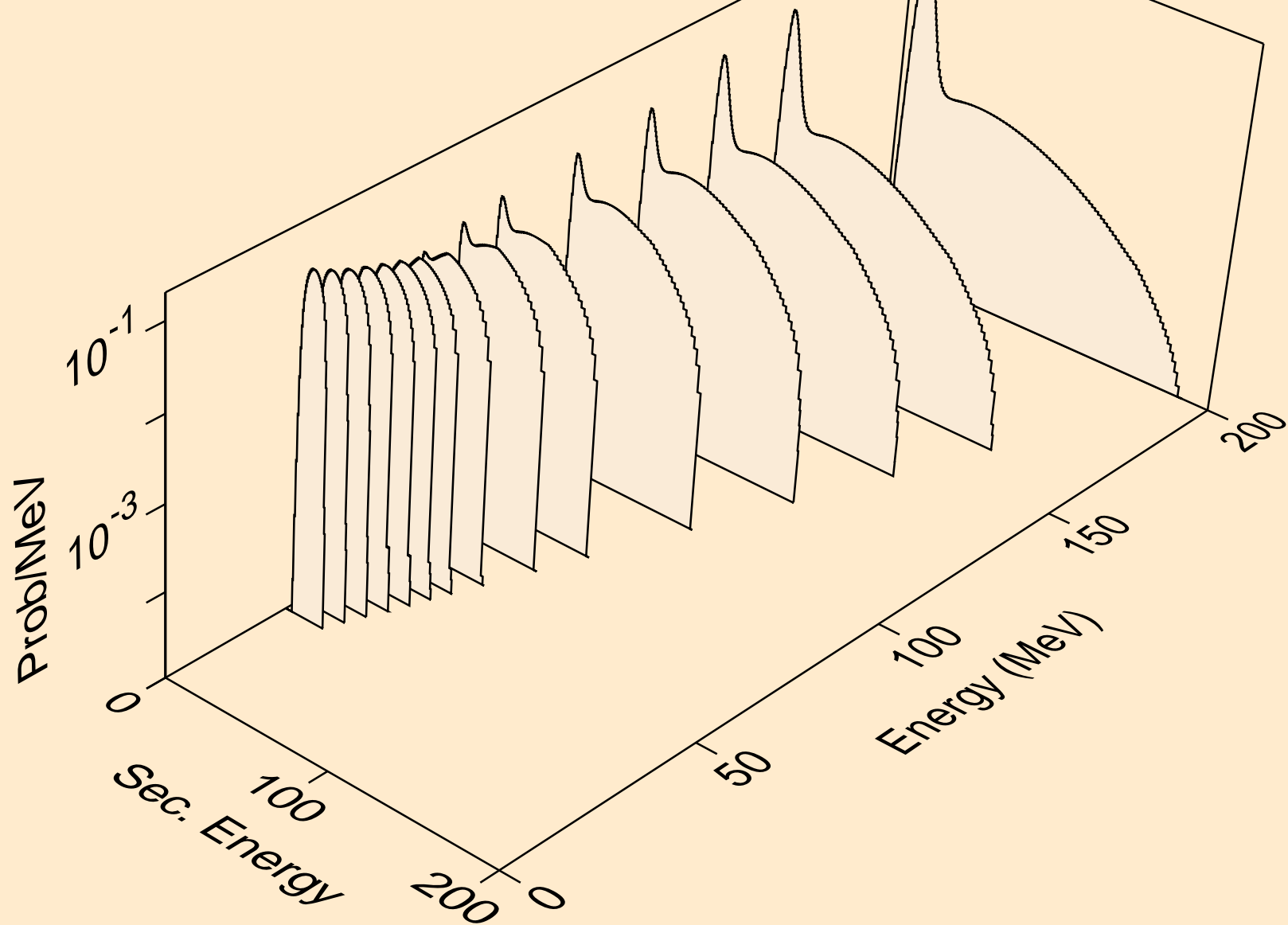
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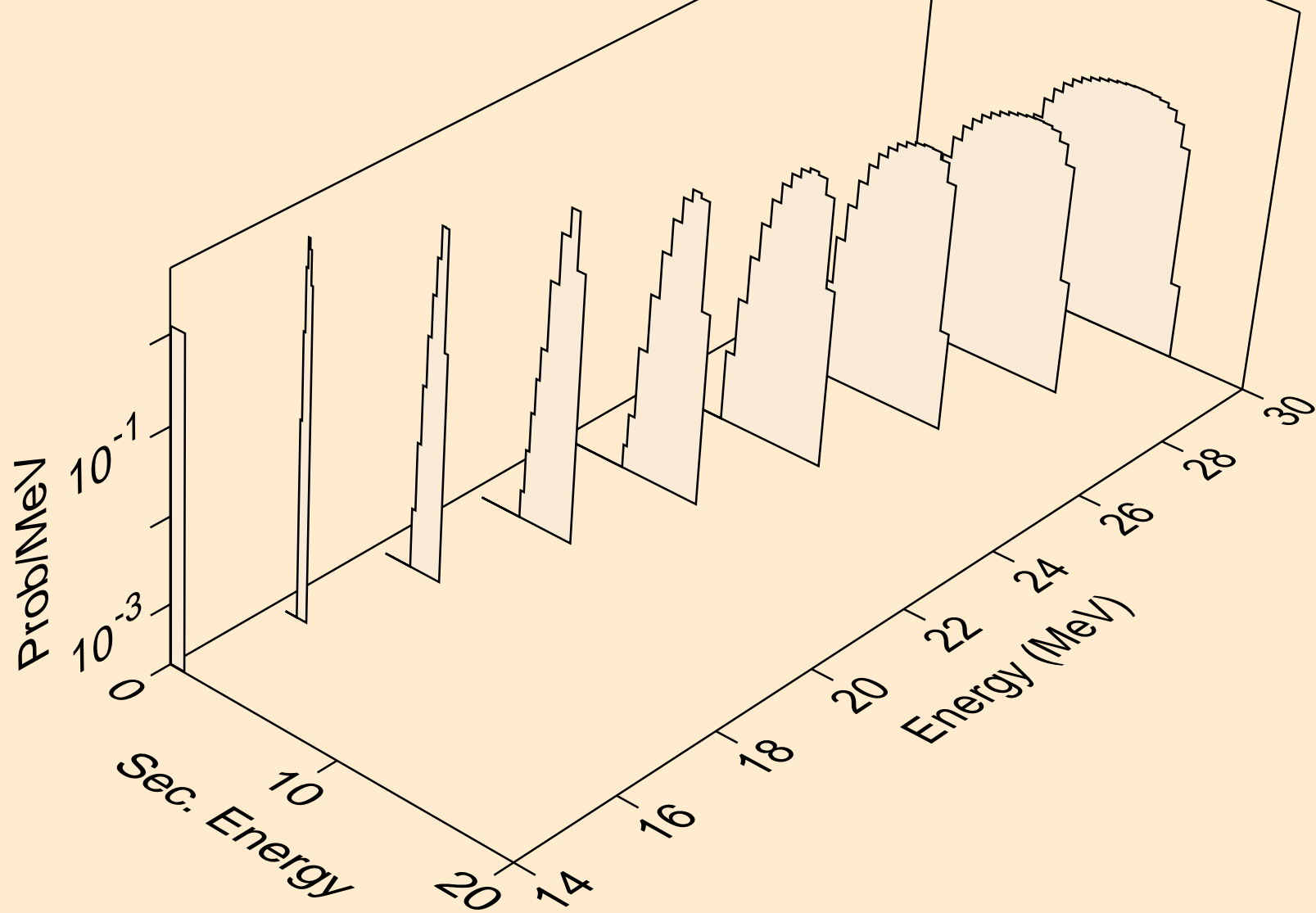
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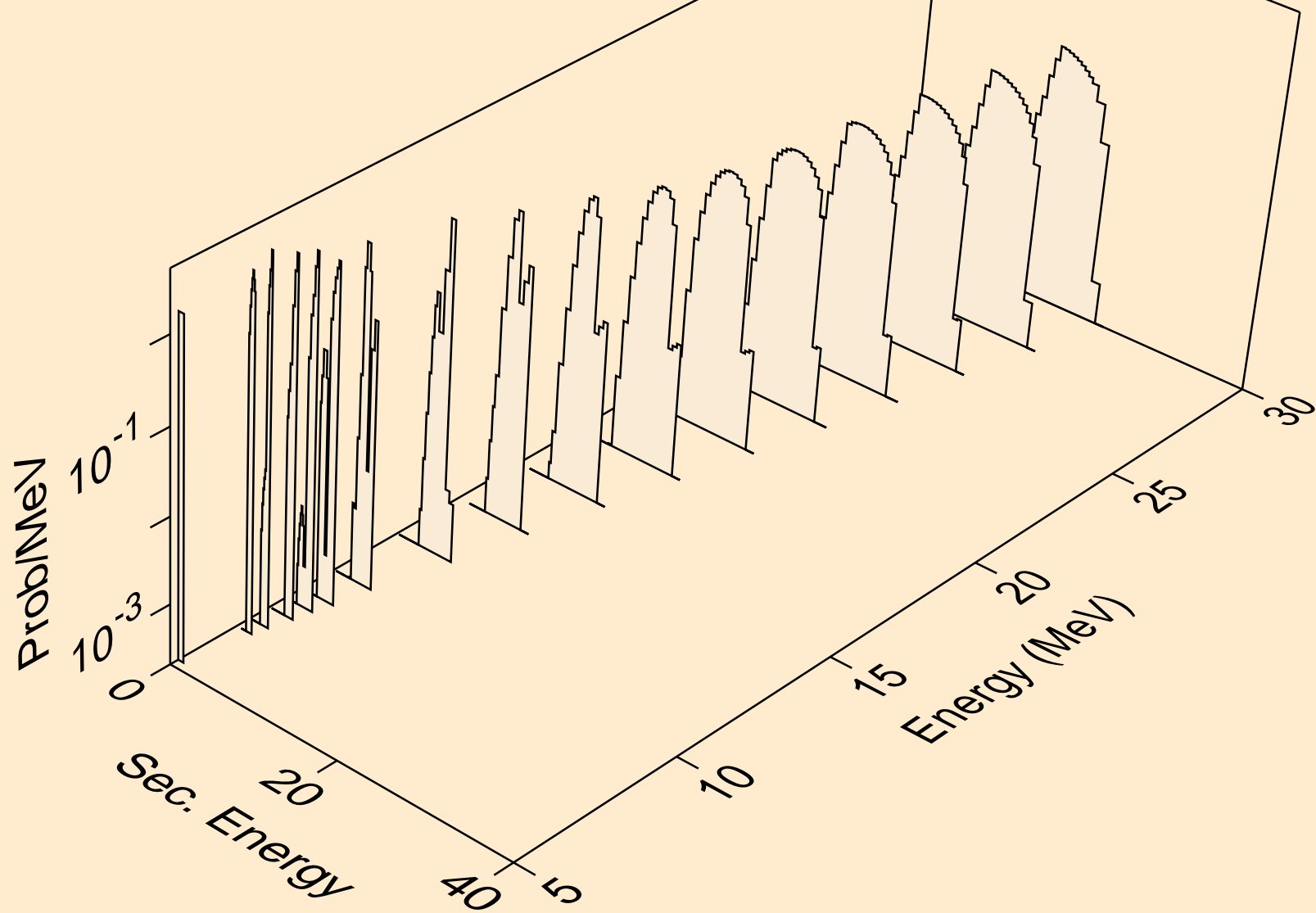
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tritons from (n,x)



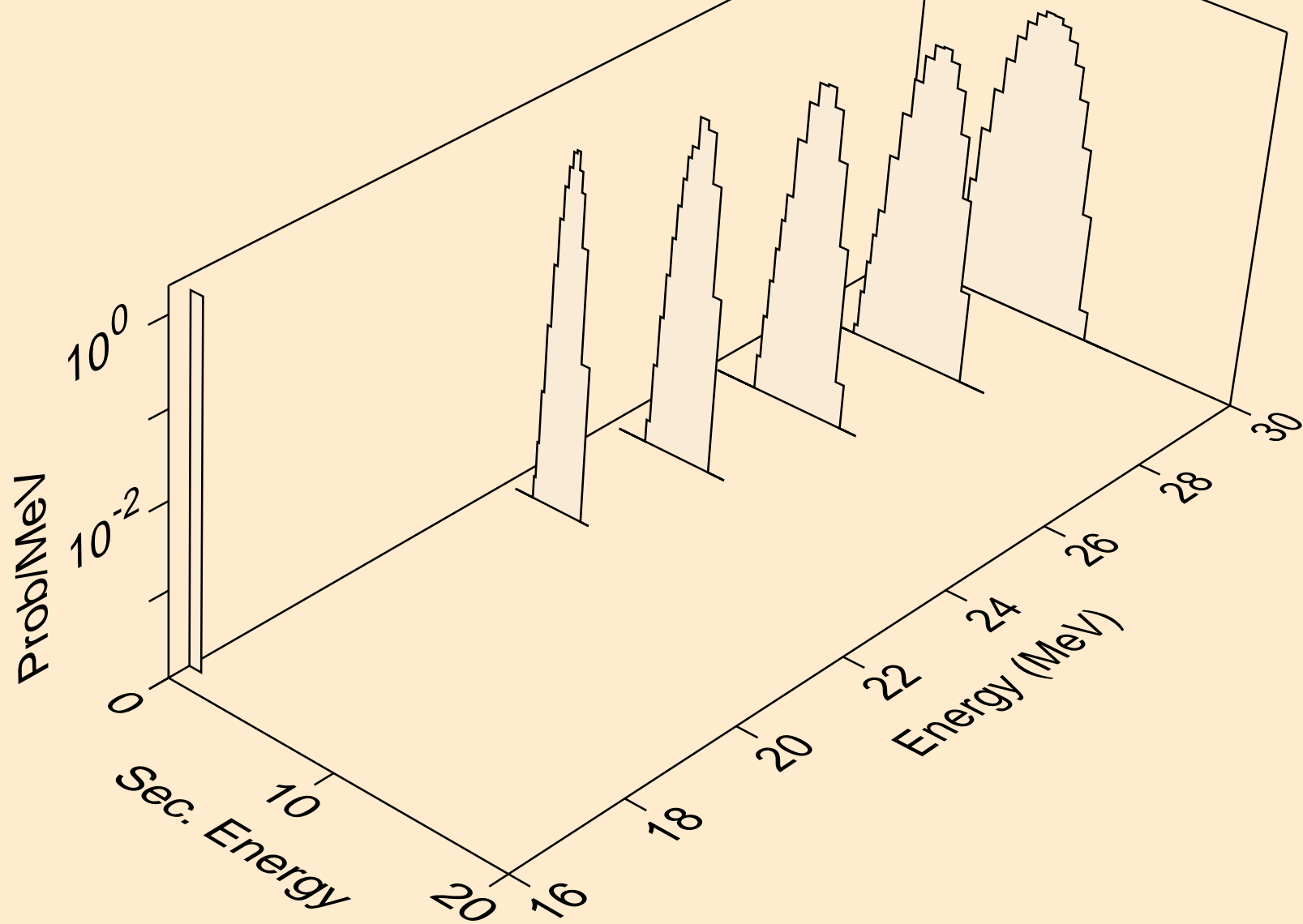
IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)

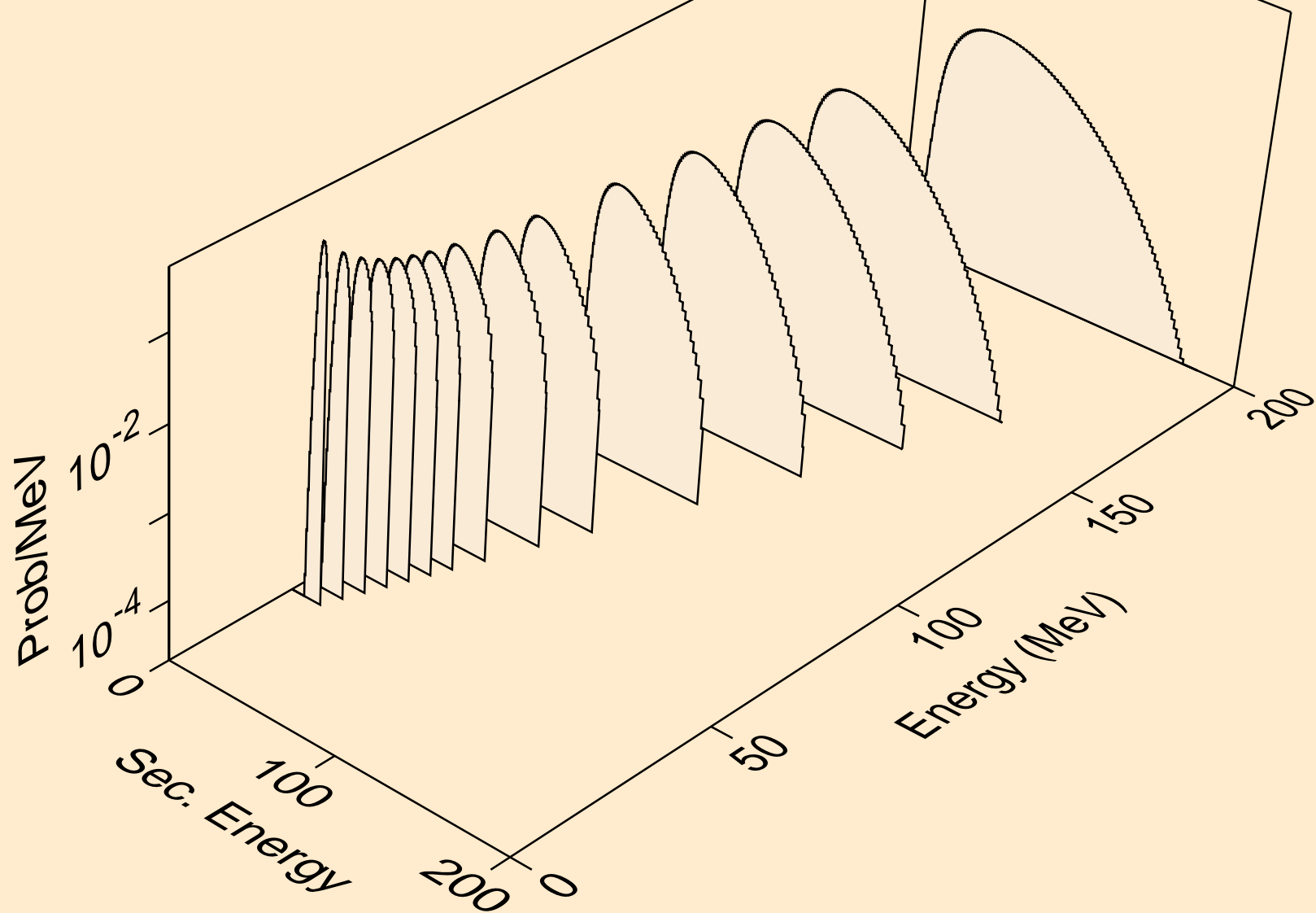


IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)

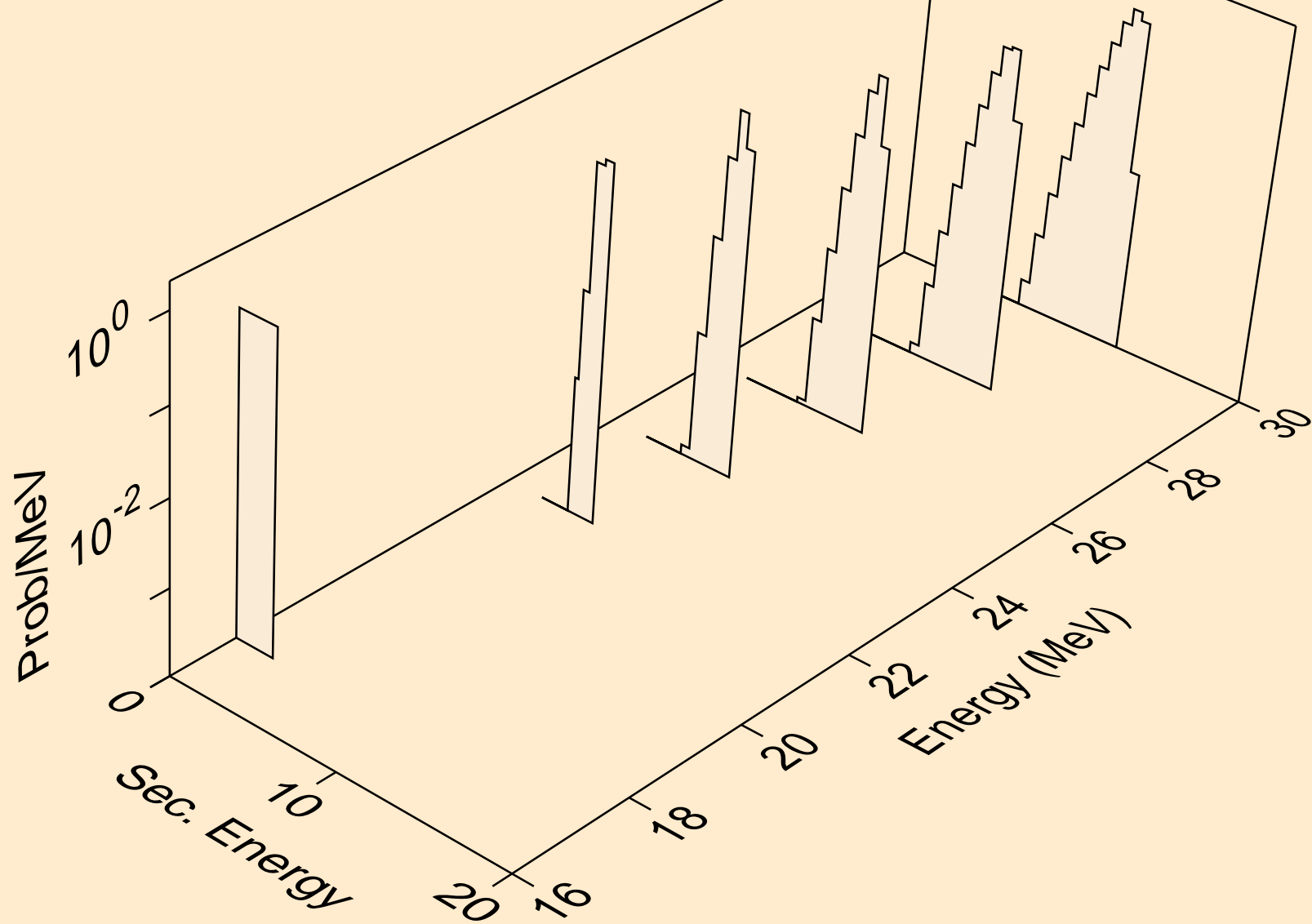




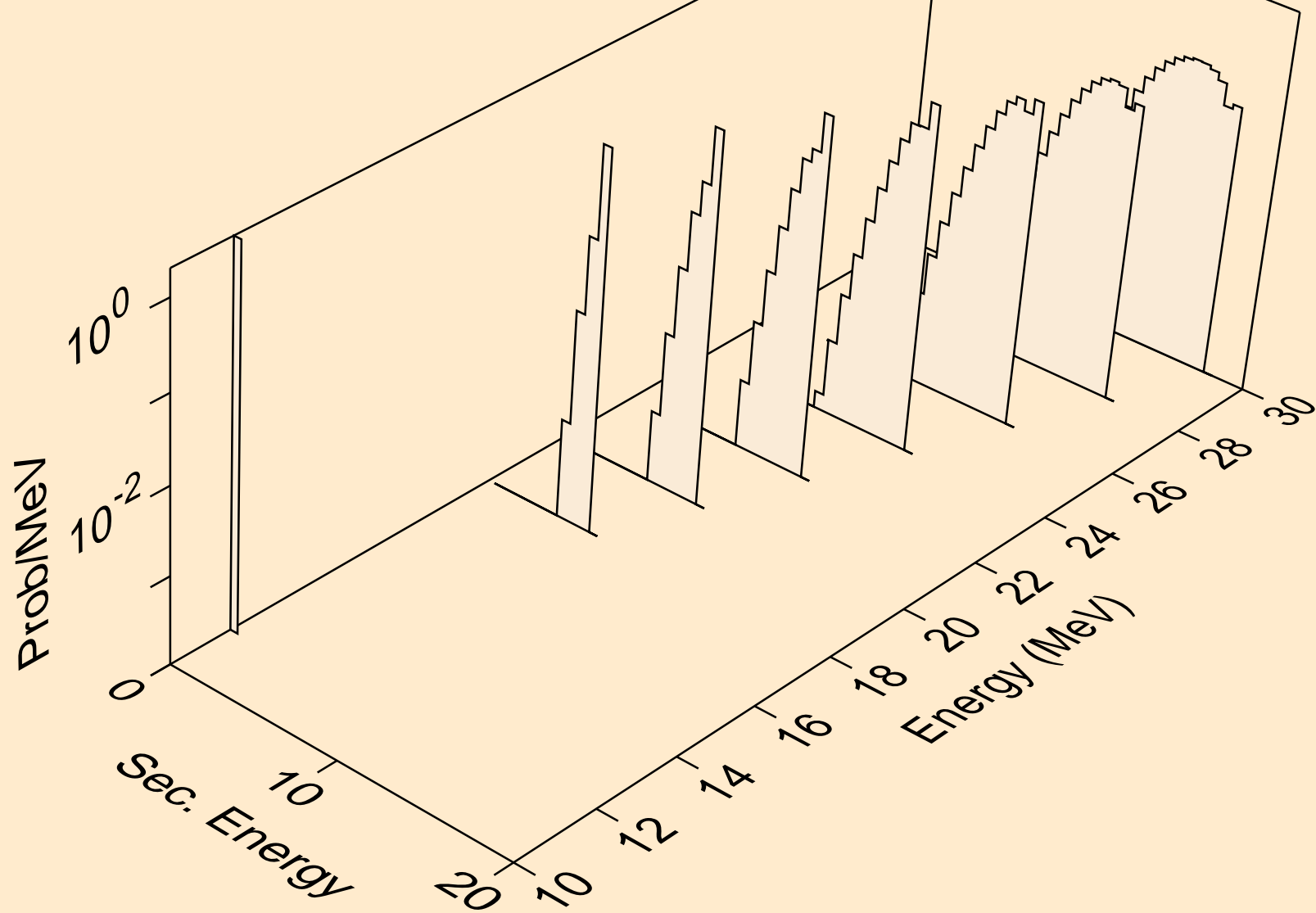
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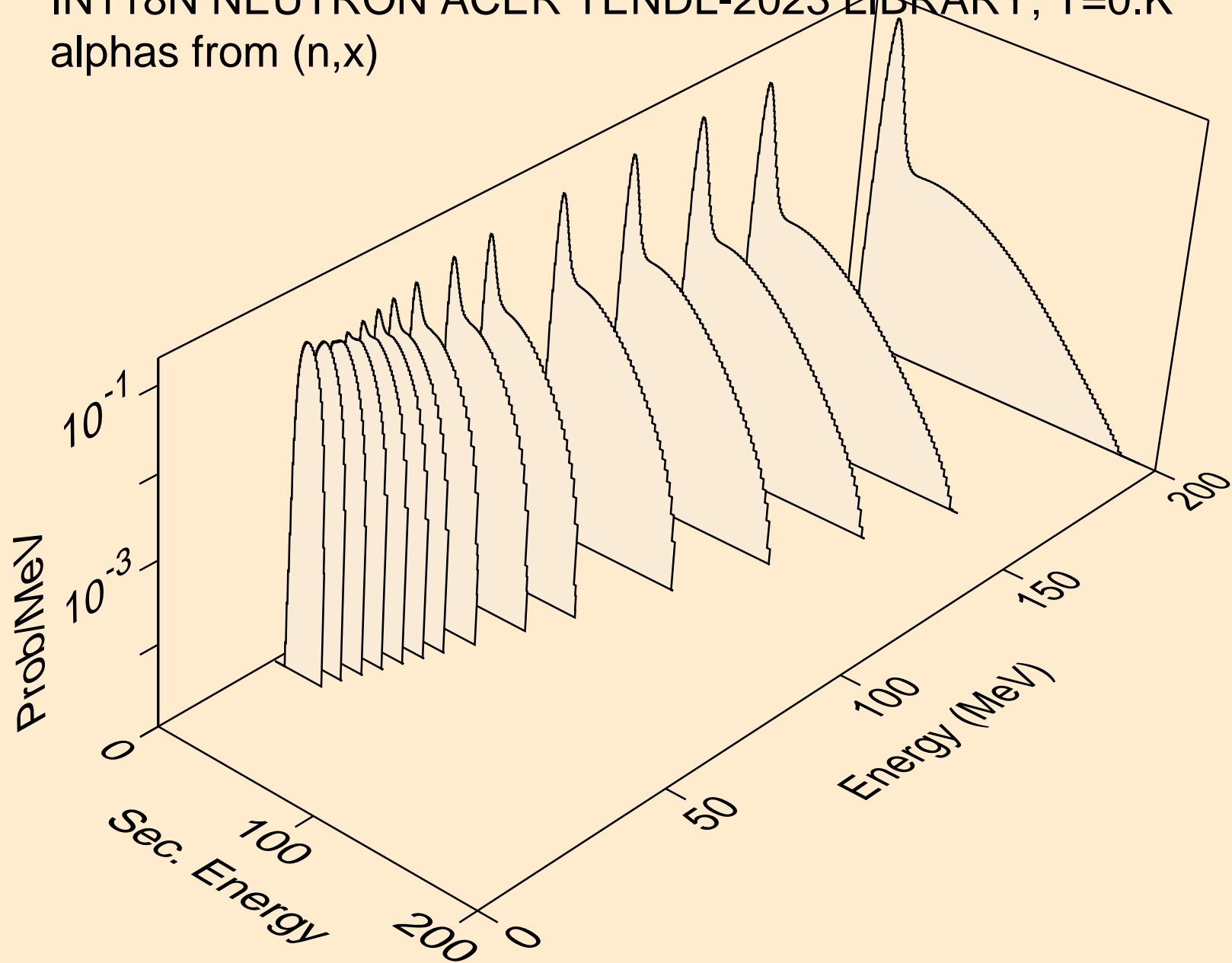
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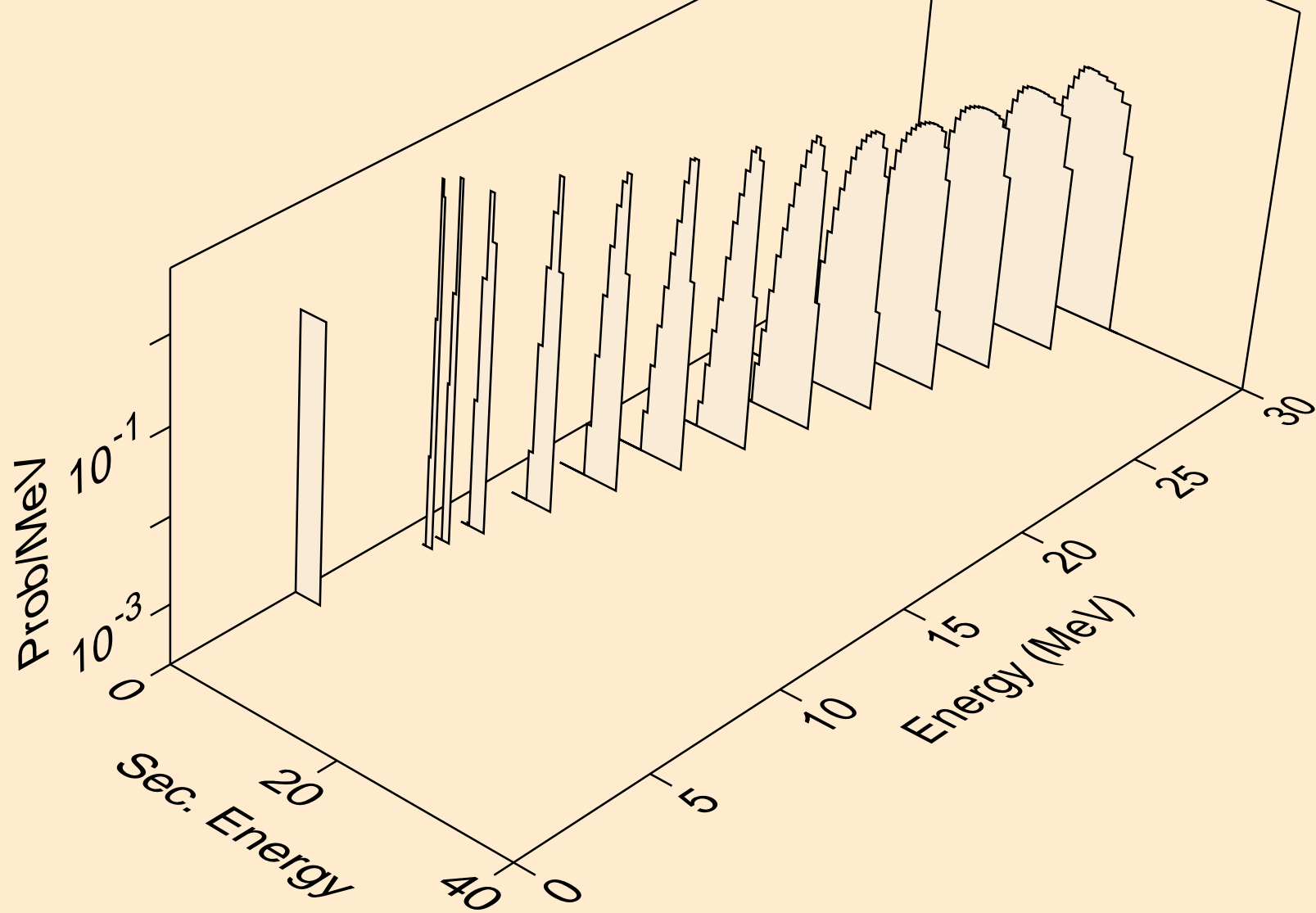
IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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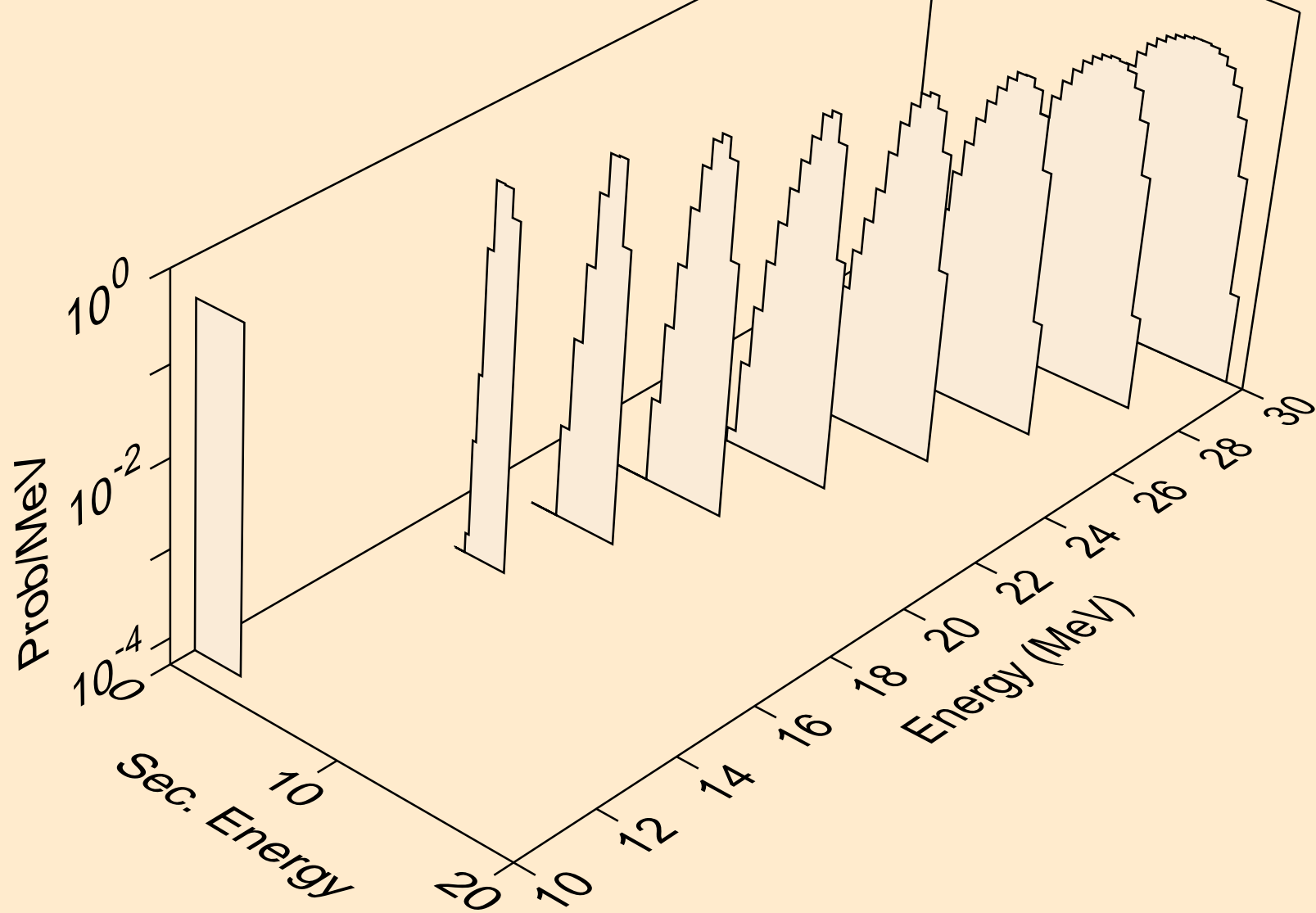
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alphas from (n,x)



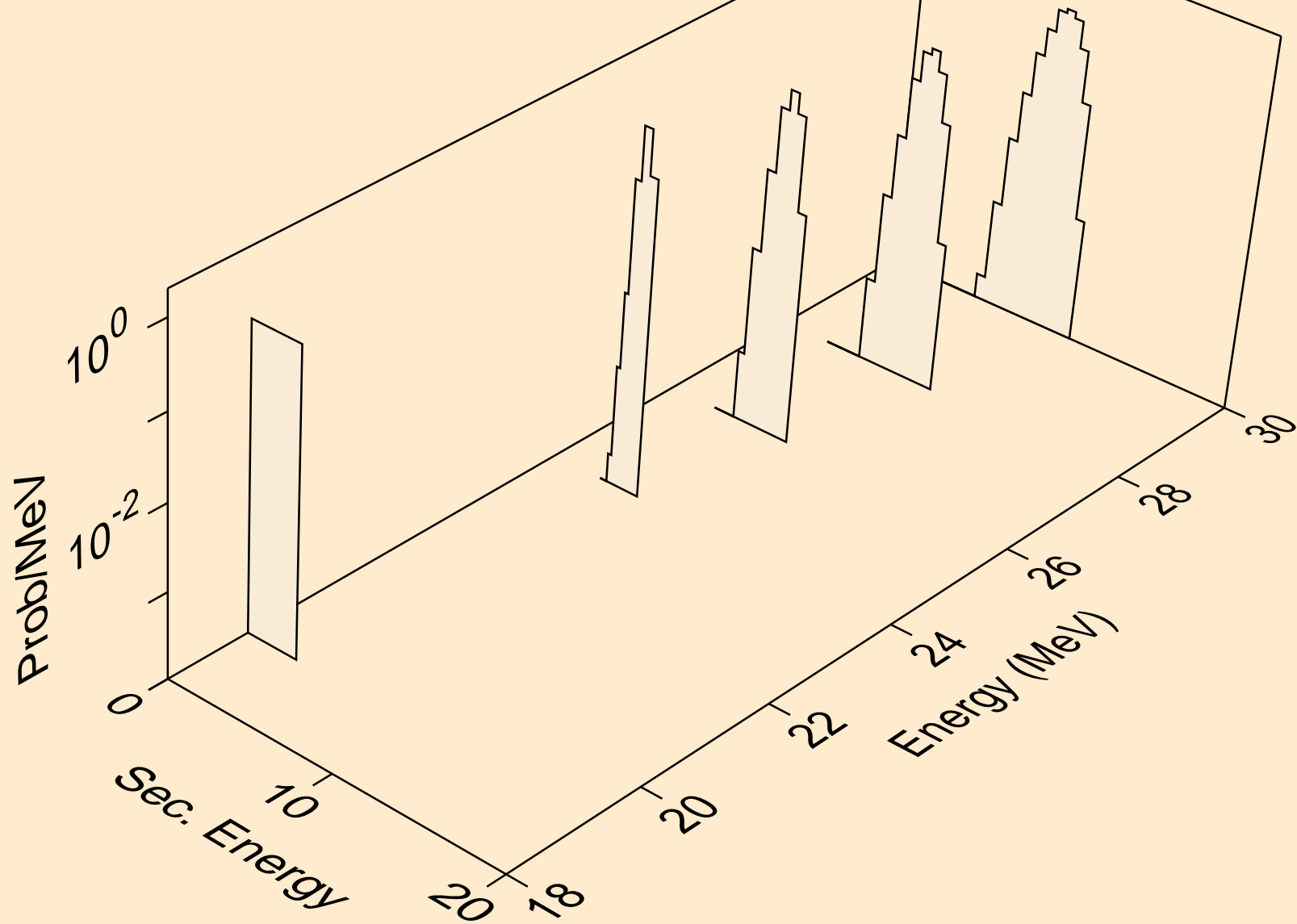
IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



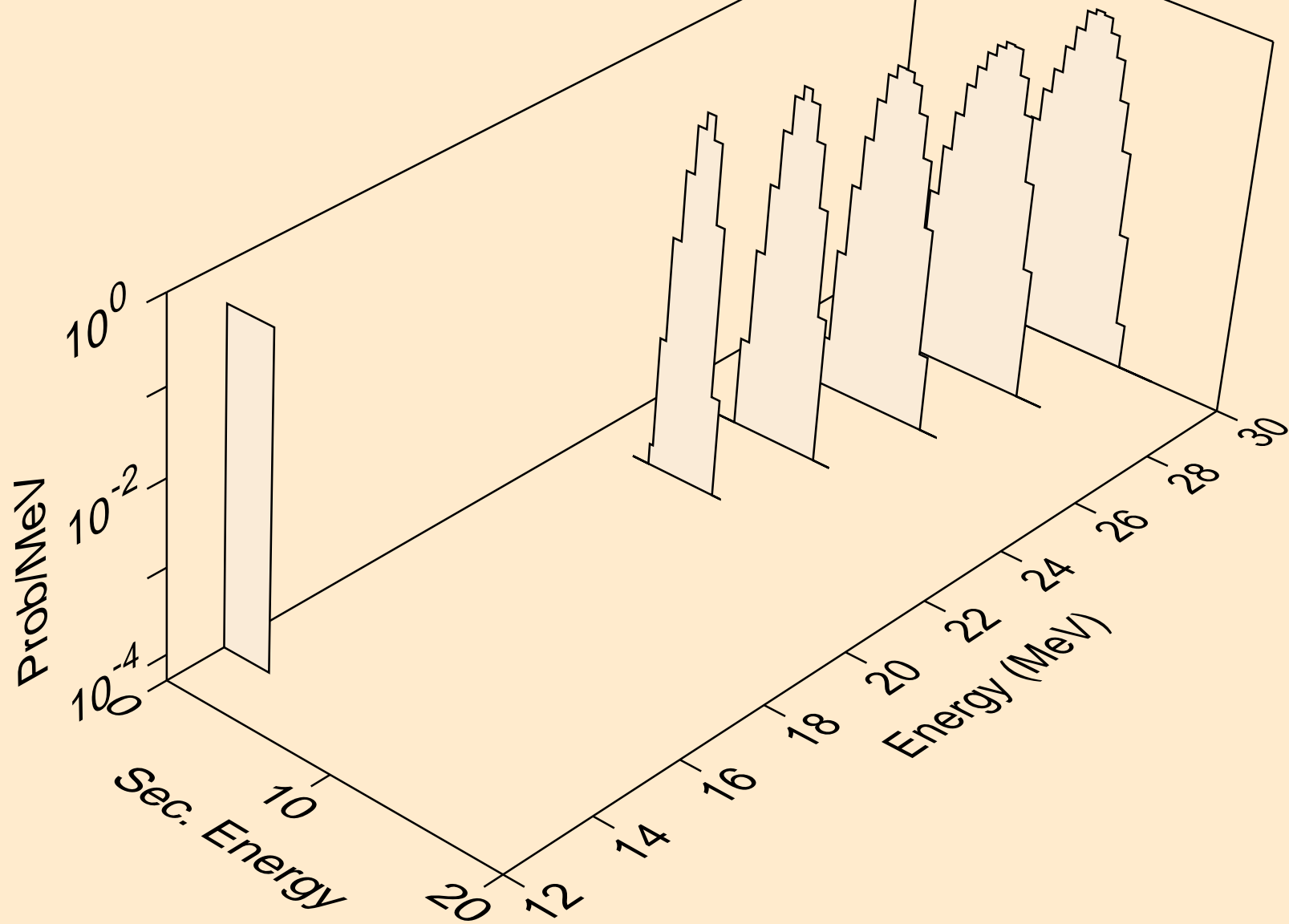
IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a

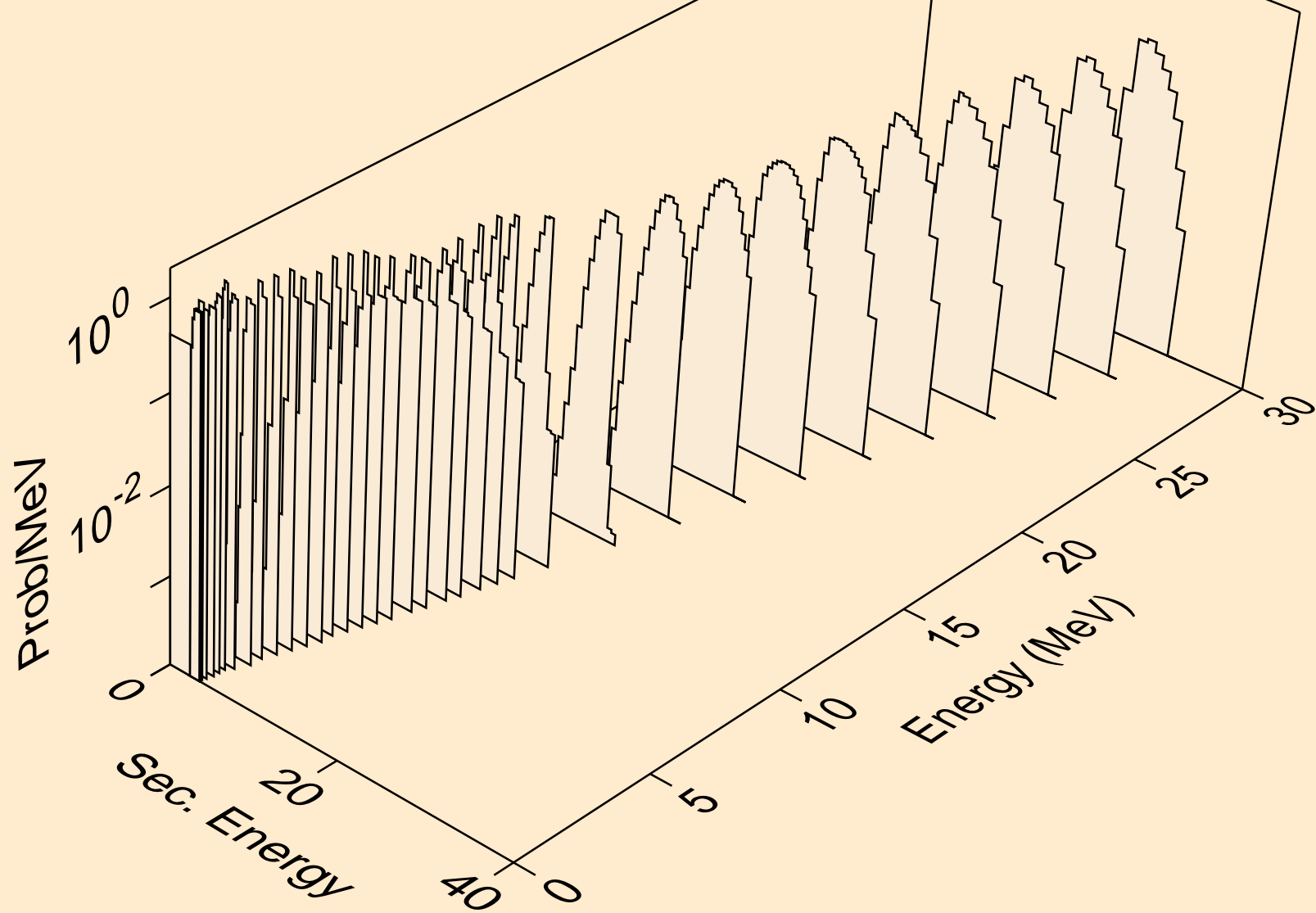


IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)

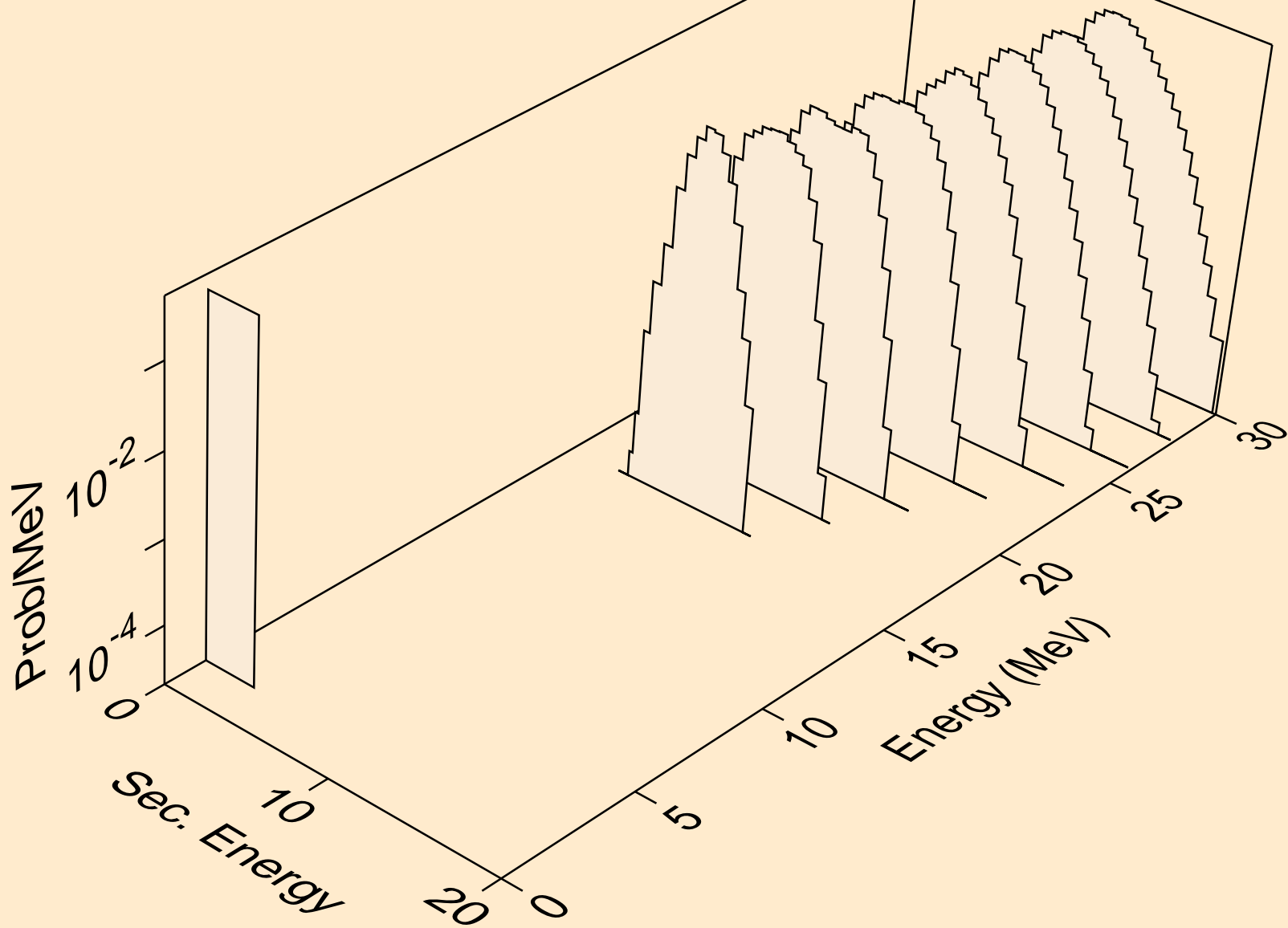




IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



IN118N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)

