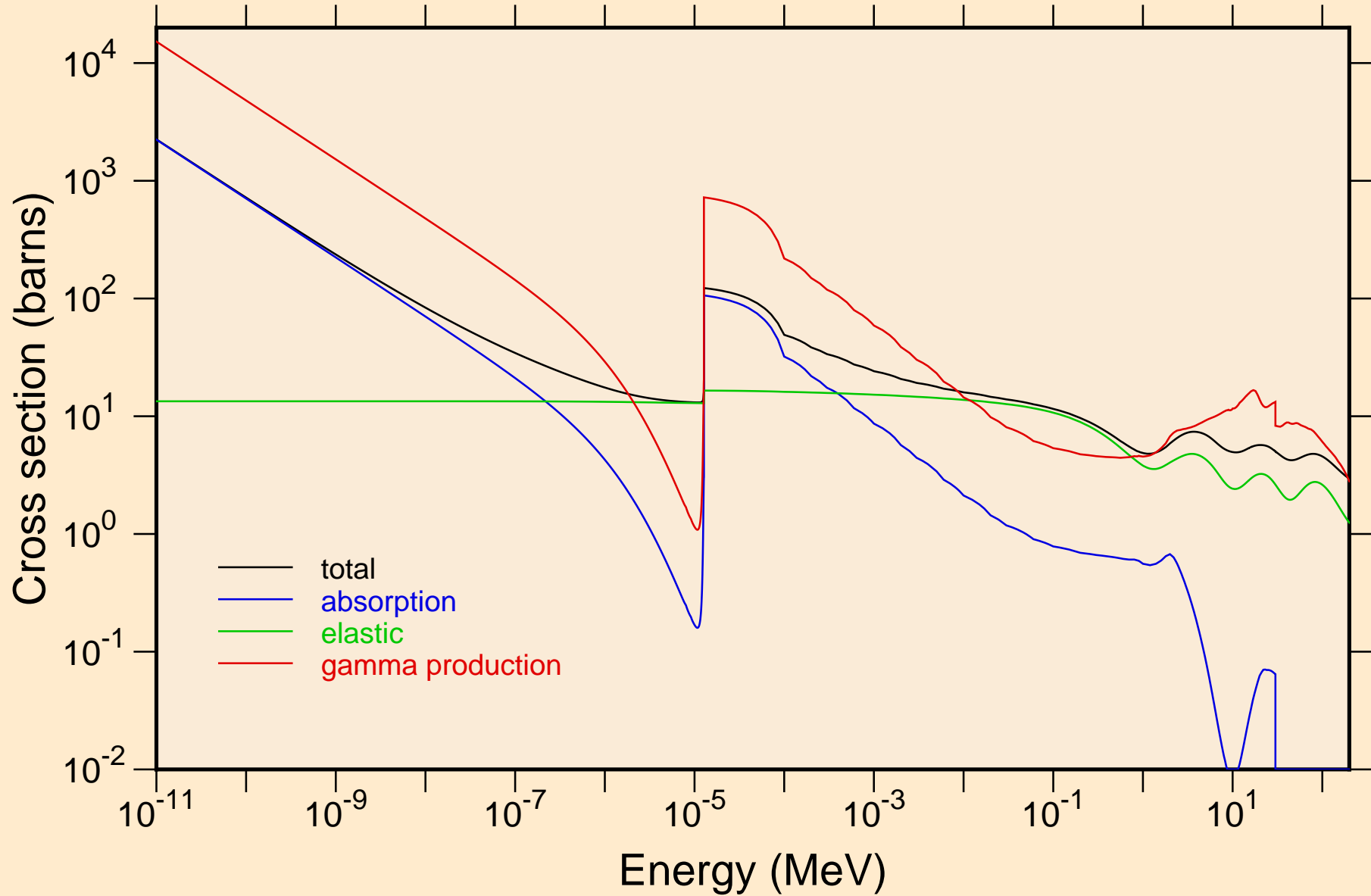
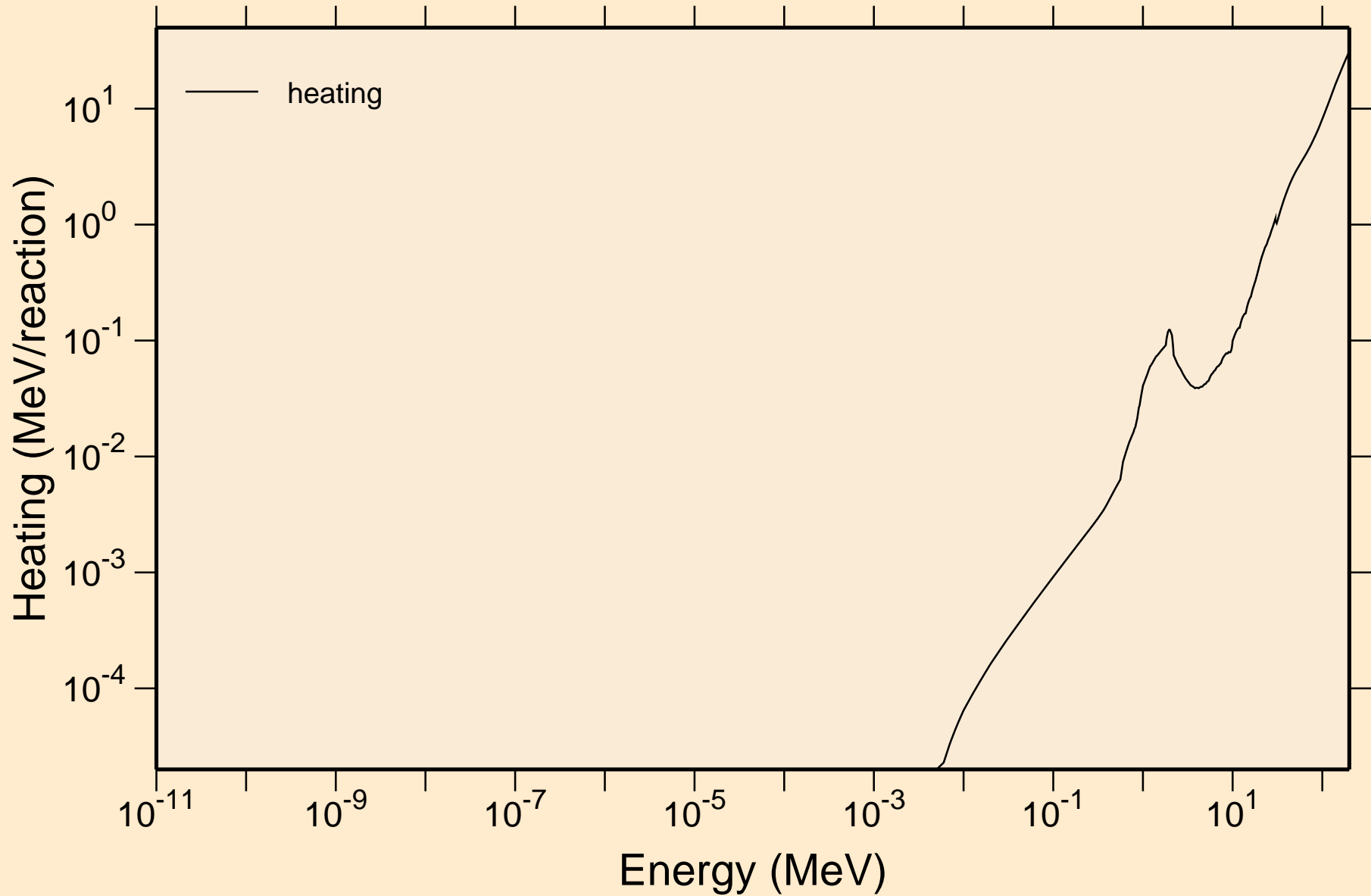


# PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

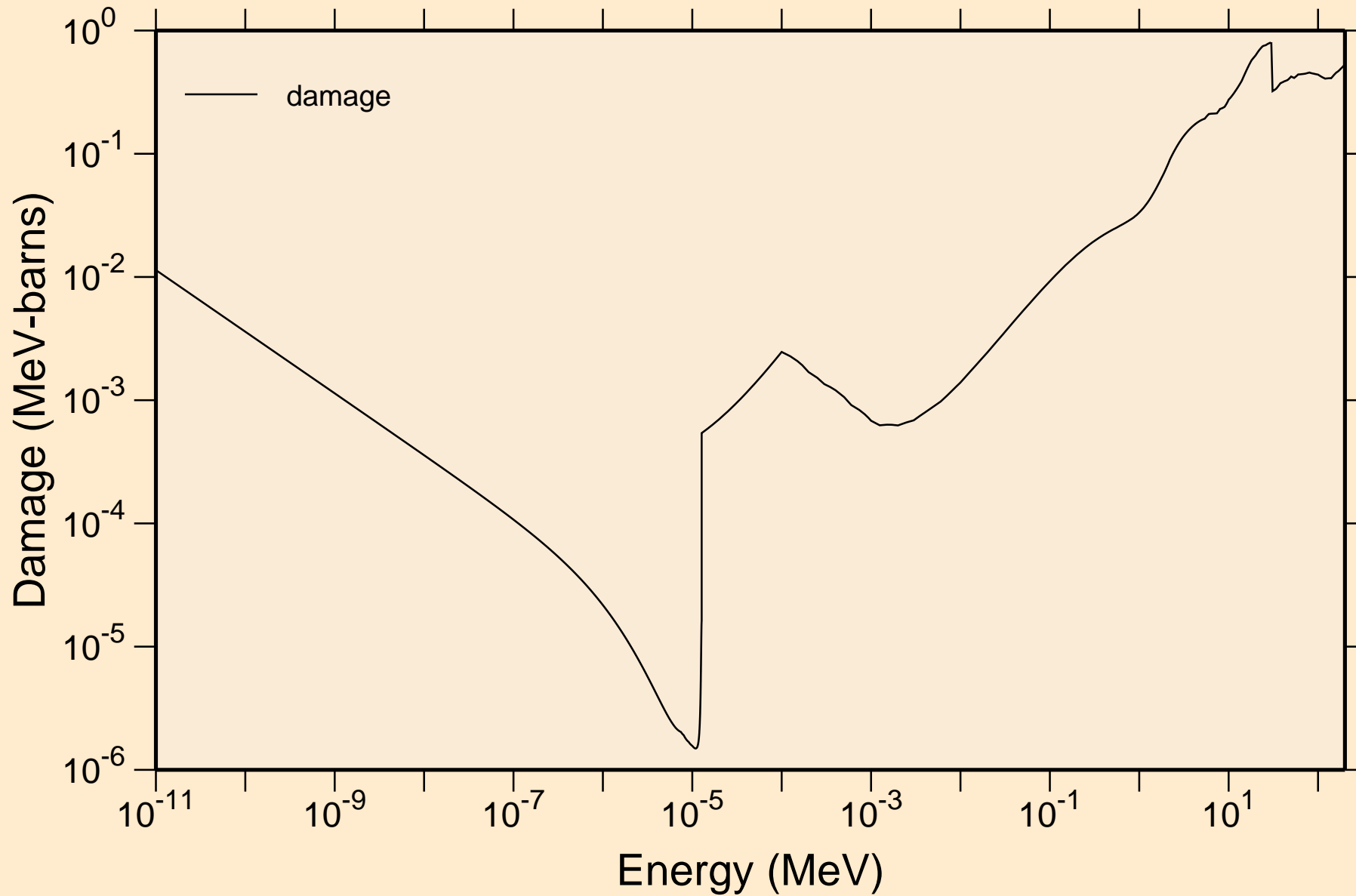
## Principal cross sections



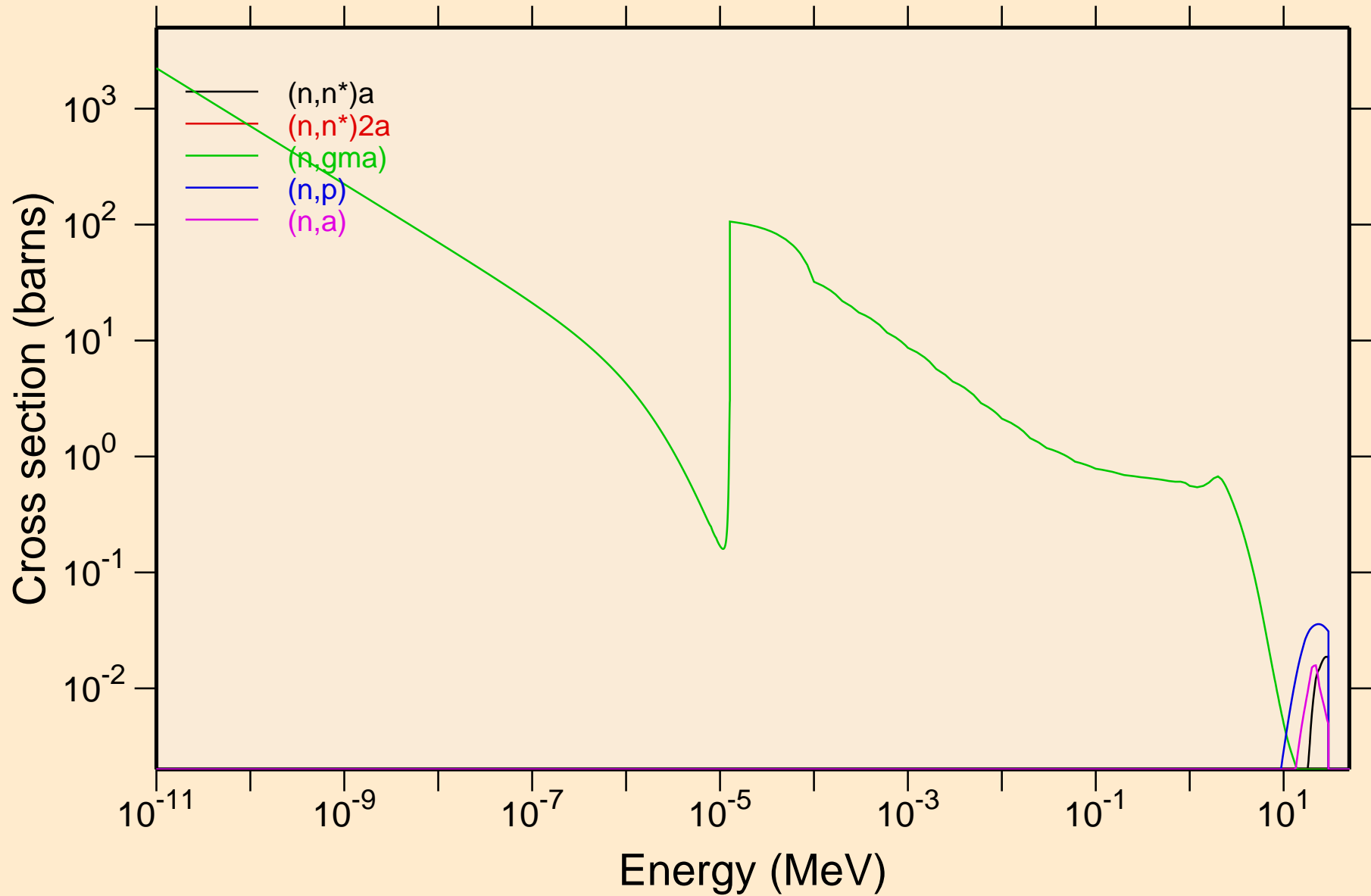
PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Heating



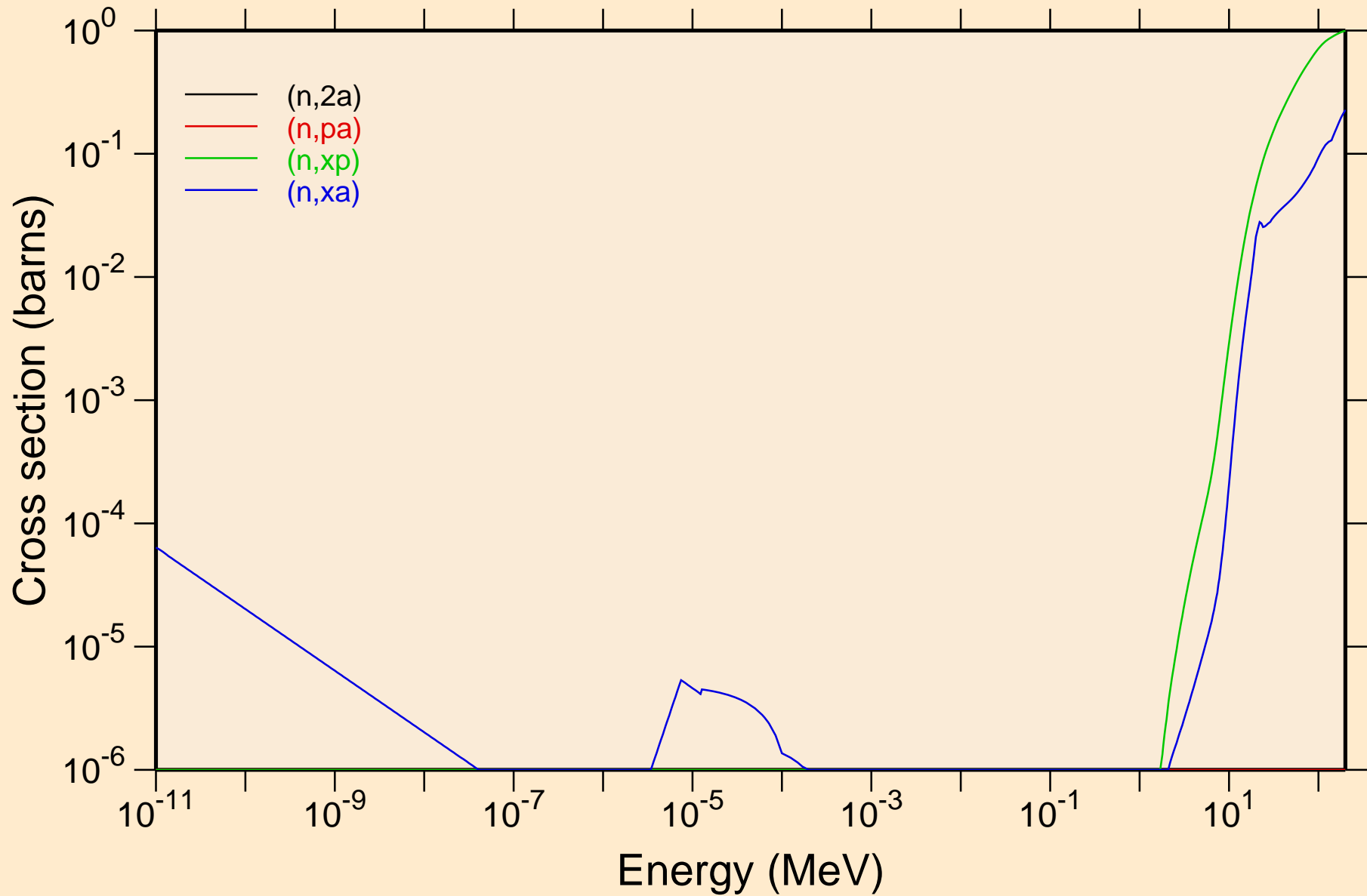
PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage



PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

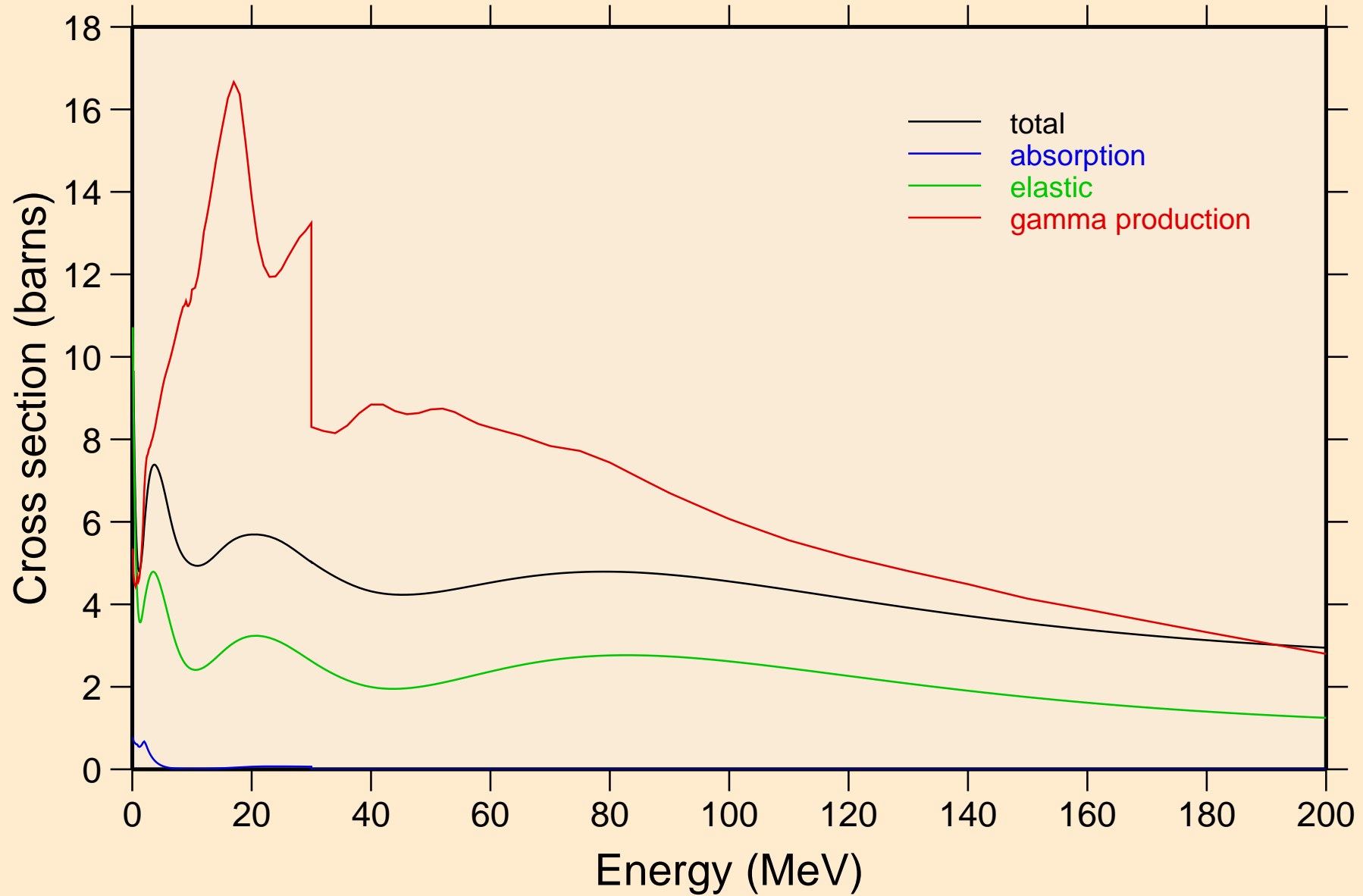


PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



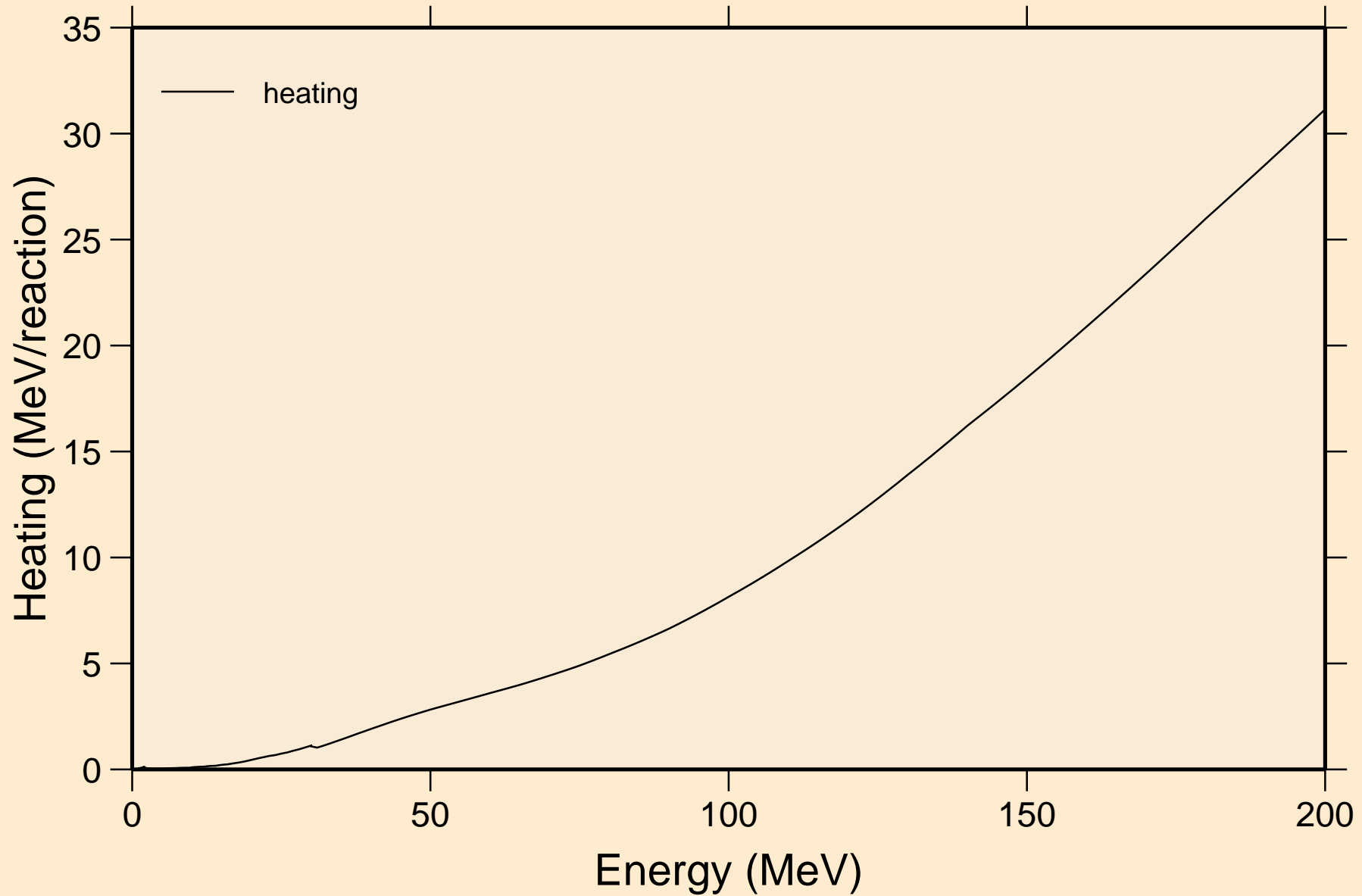
# PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

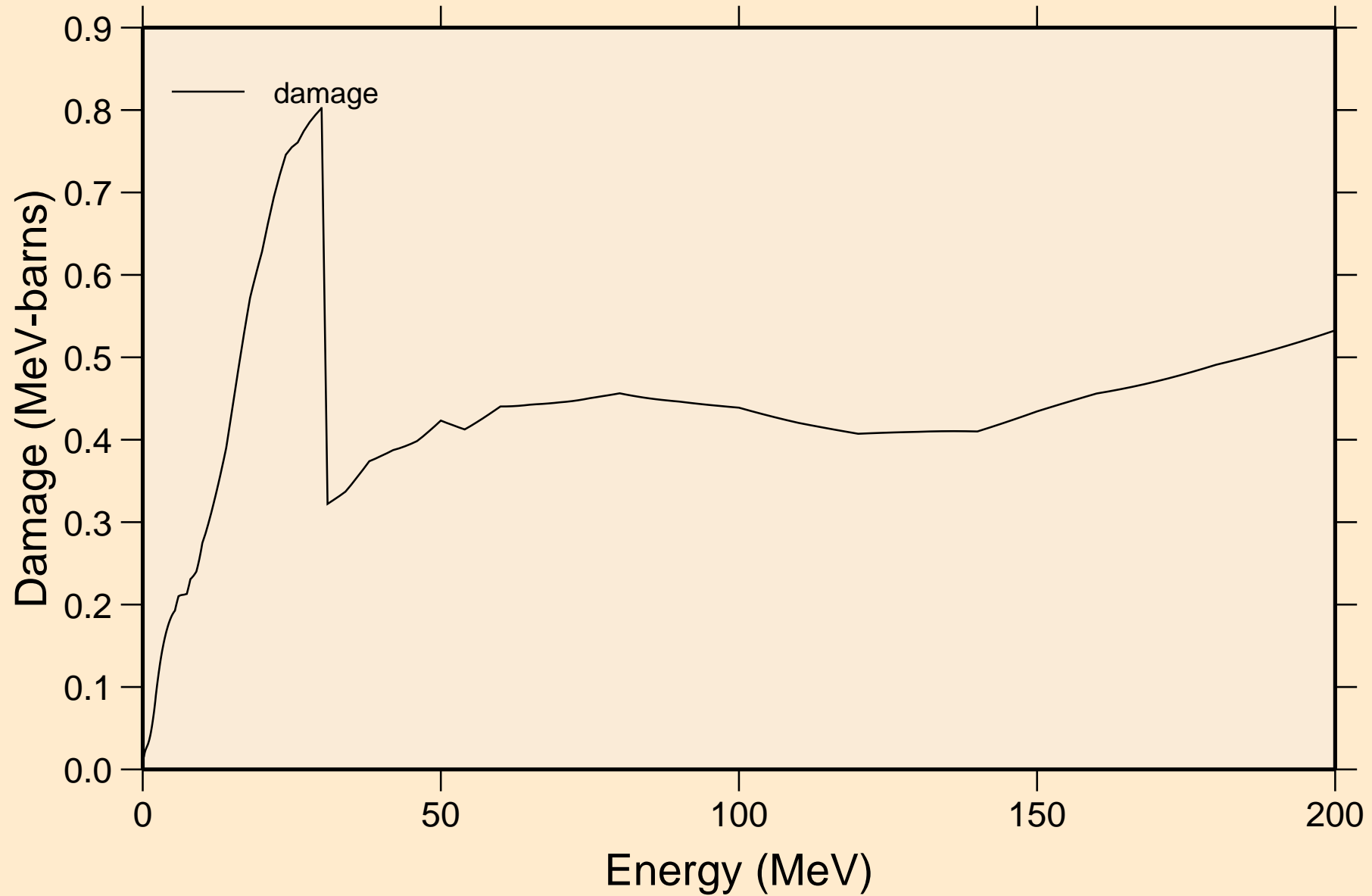


# PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



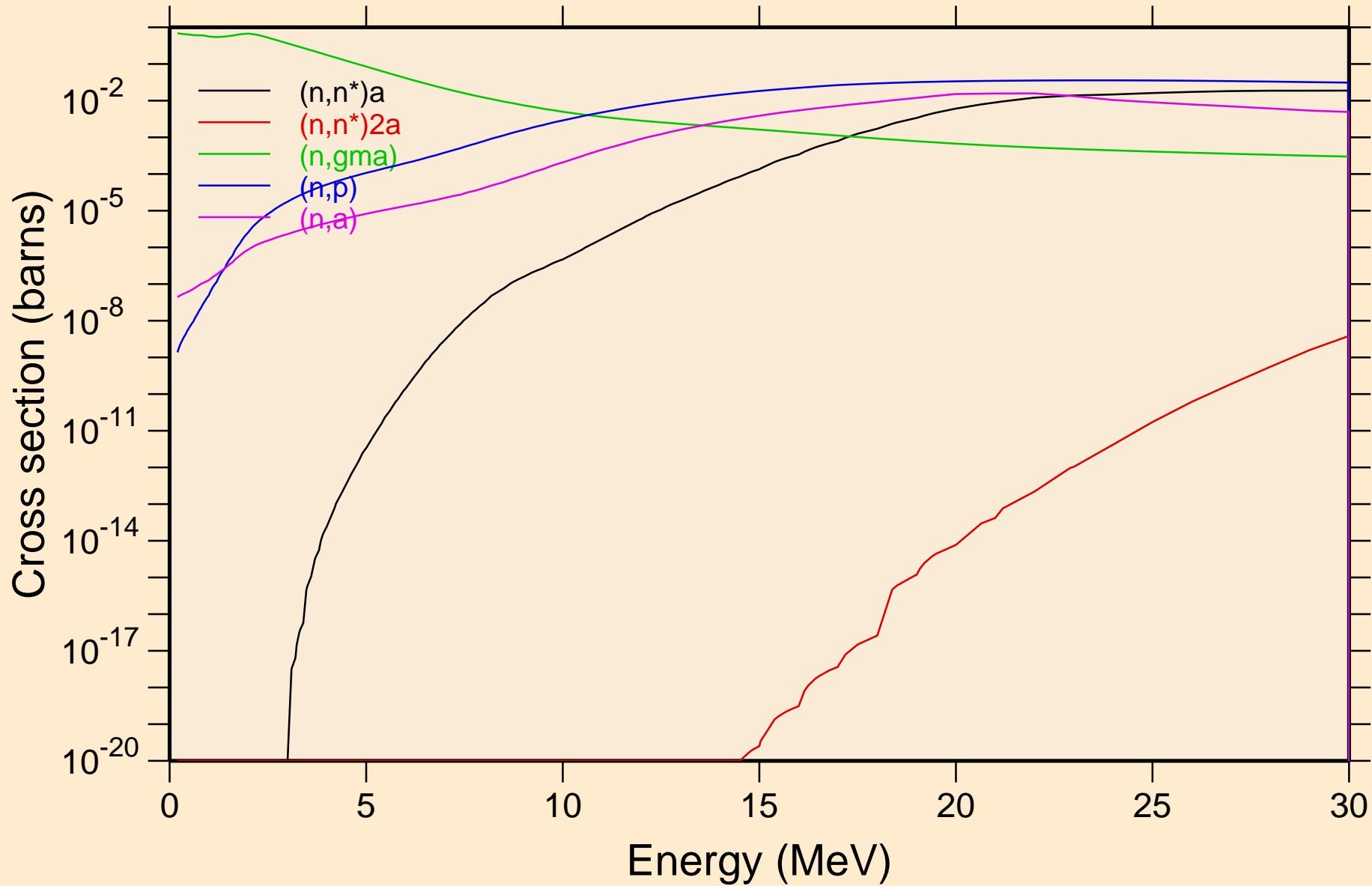
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Damage



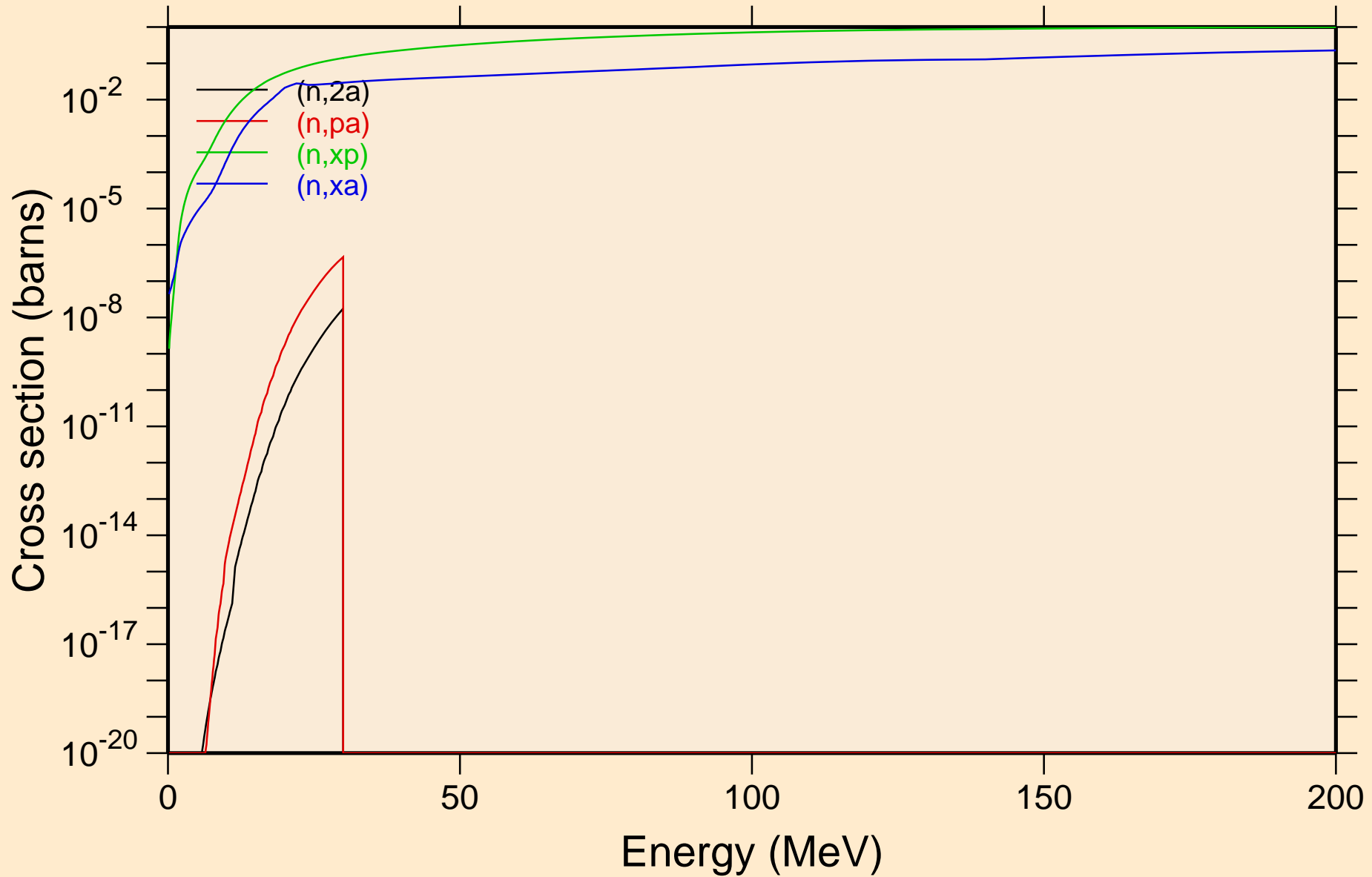


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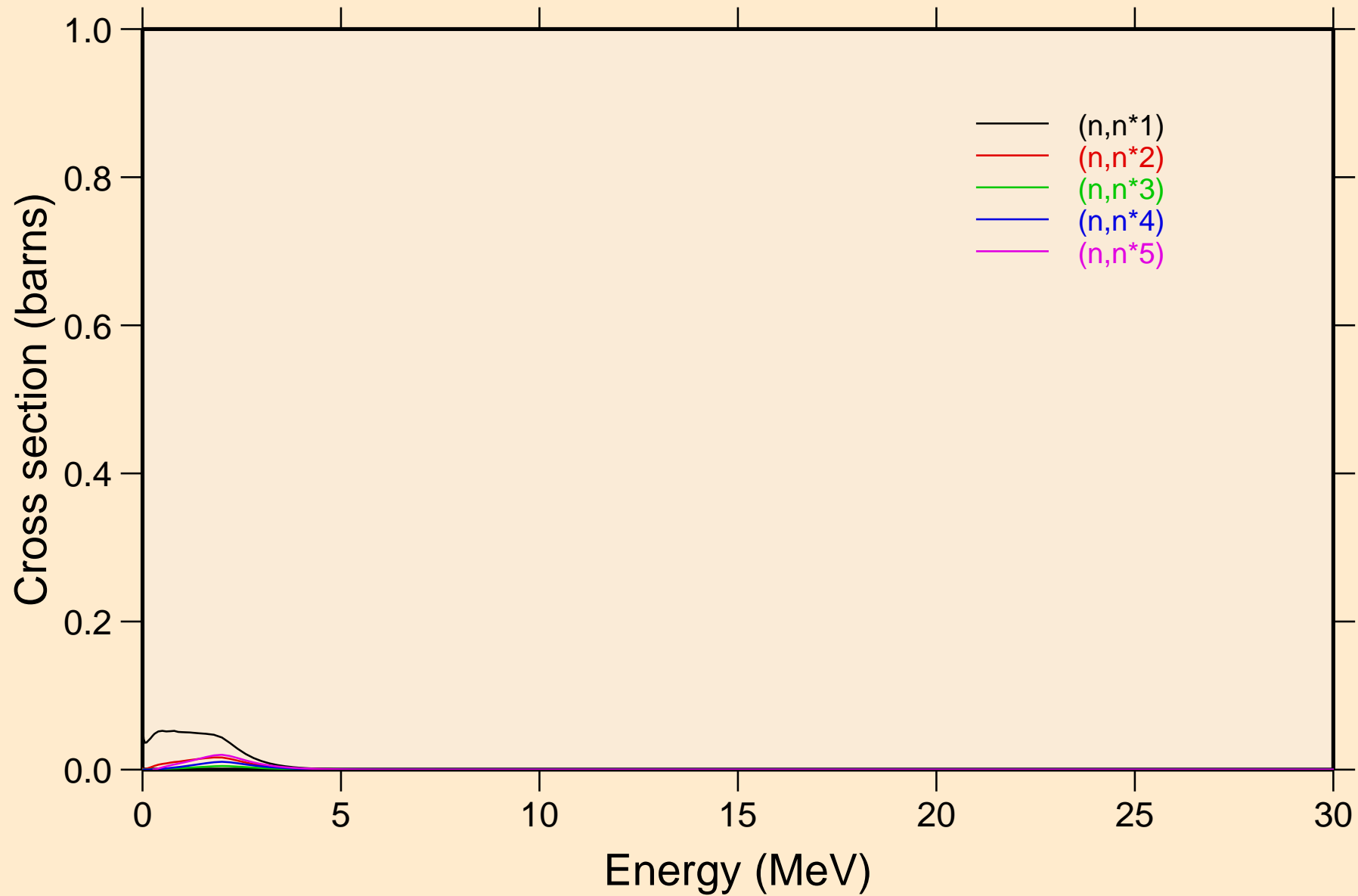
## Non-threshold reactions



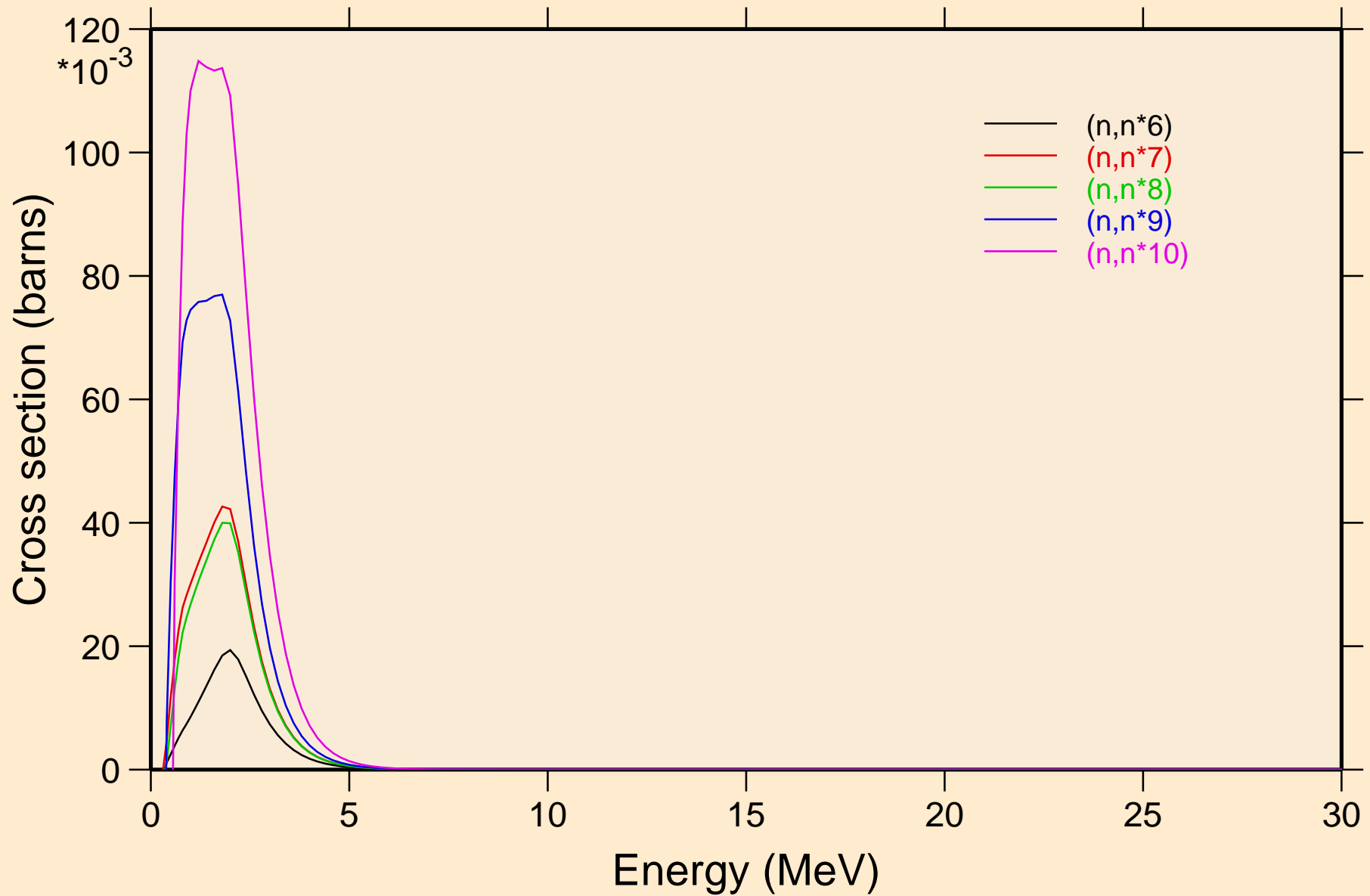
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Non-threshold reactions



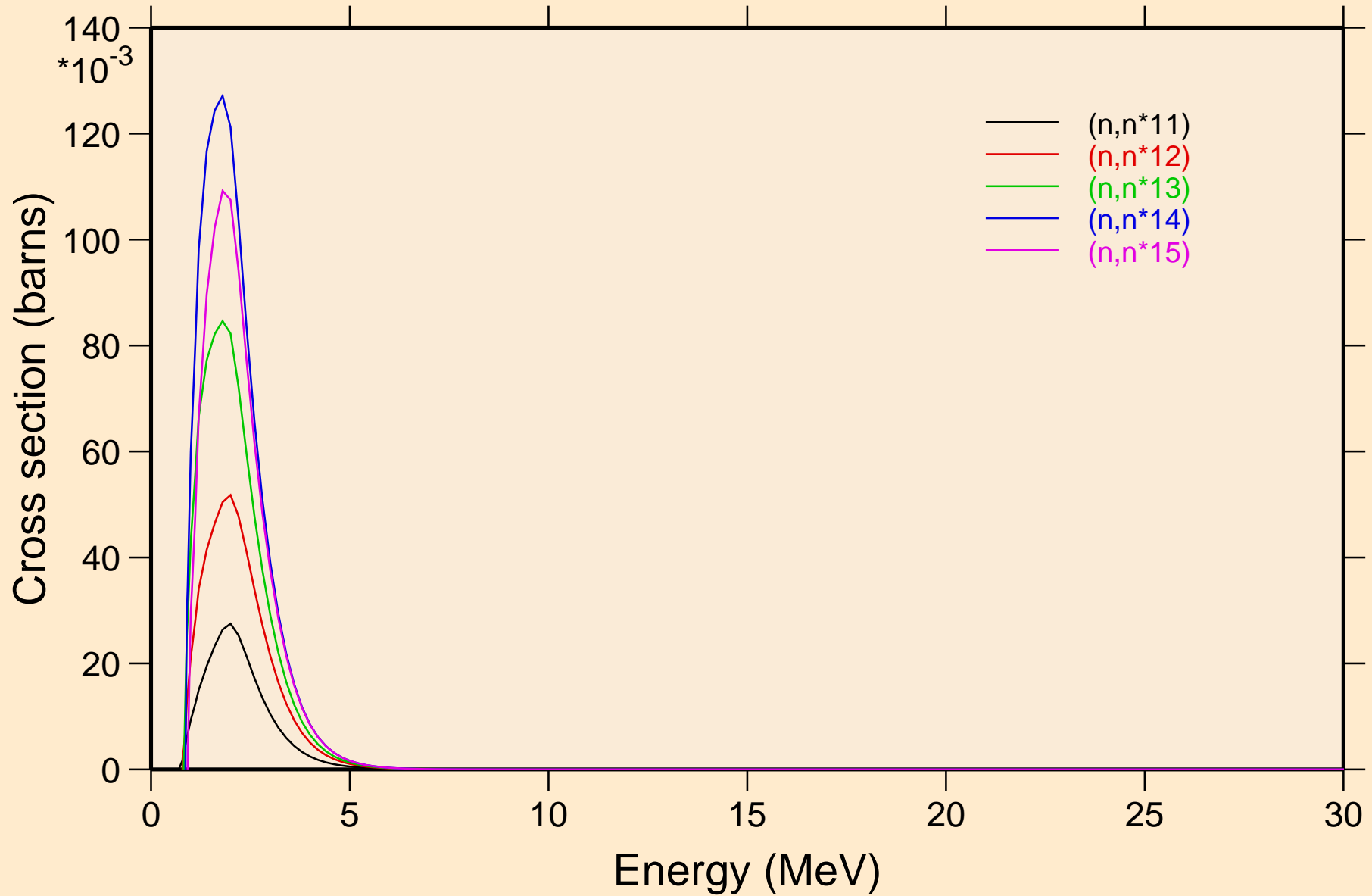
PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



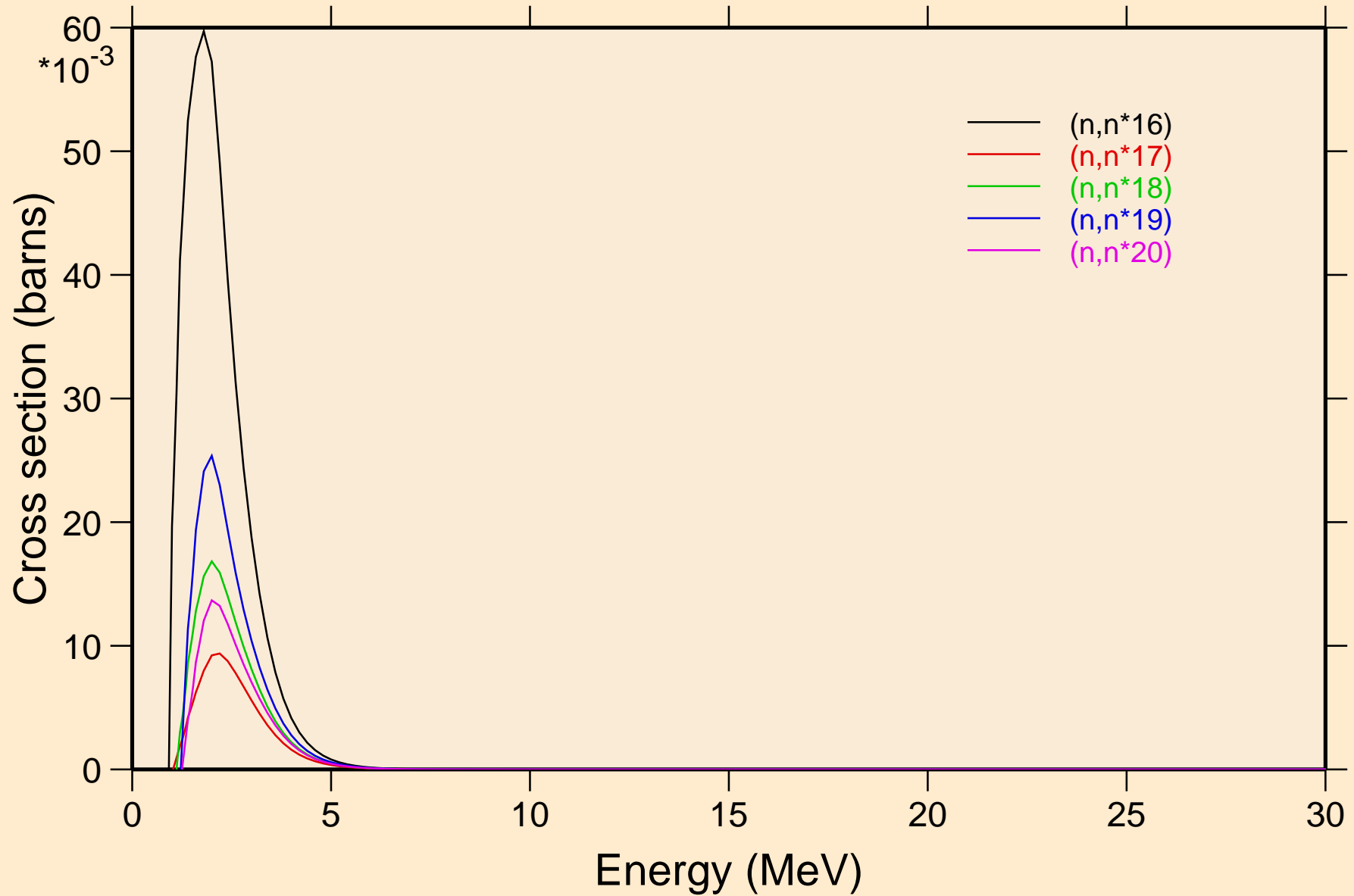
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Inelastic levels



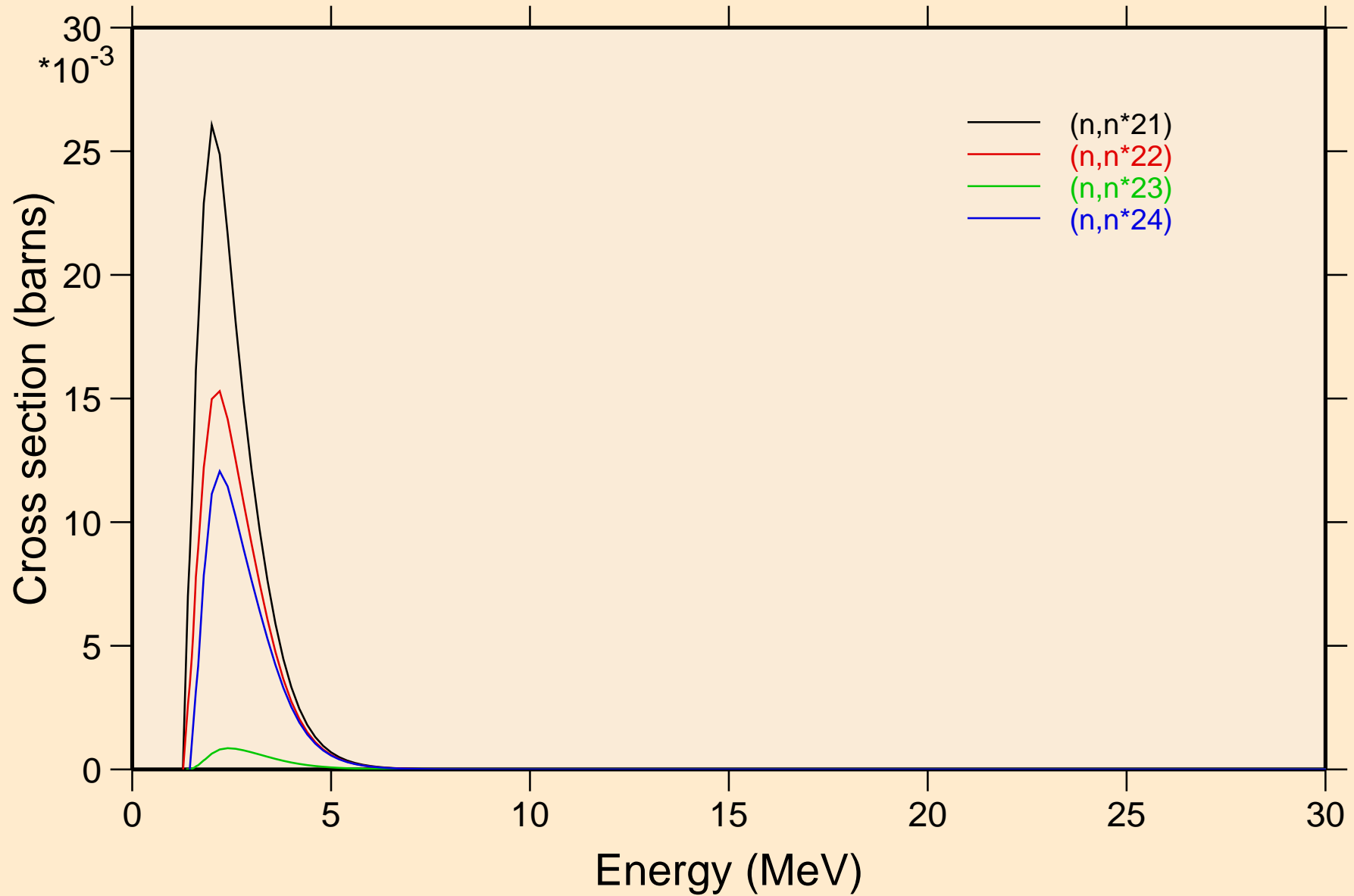
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Inelastic levels



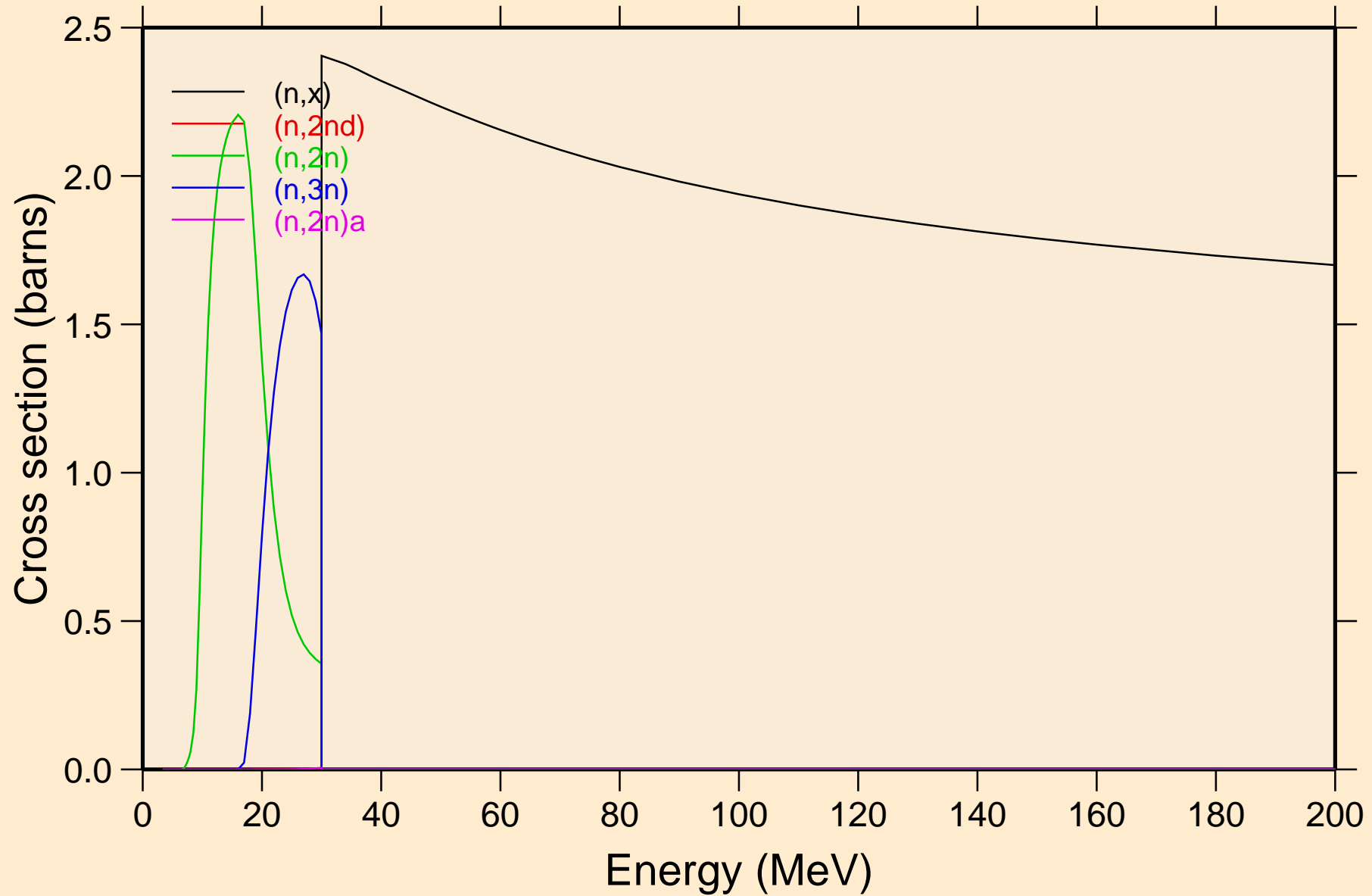
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Inelastic levels



PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

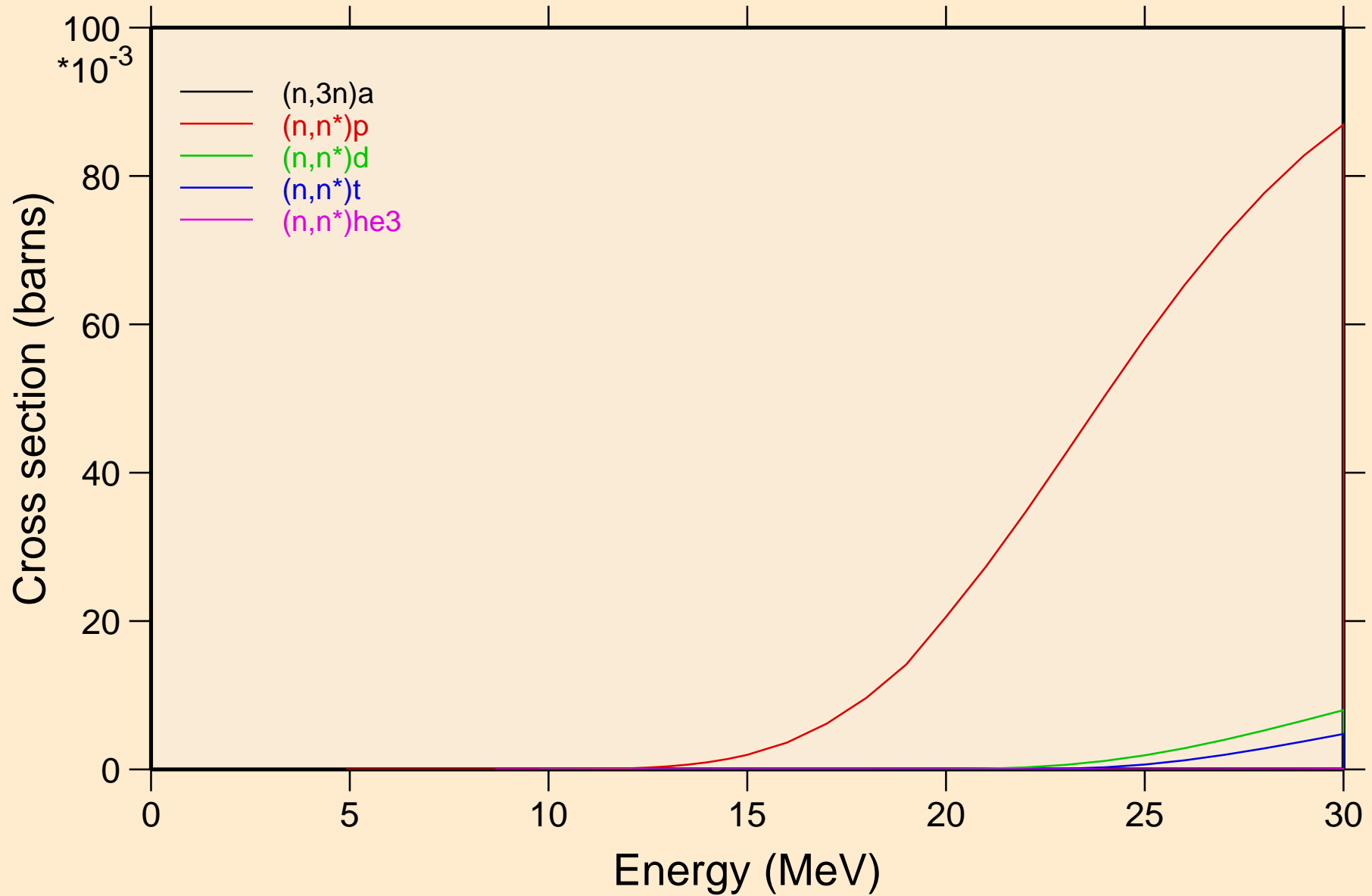


PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

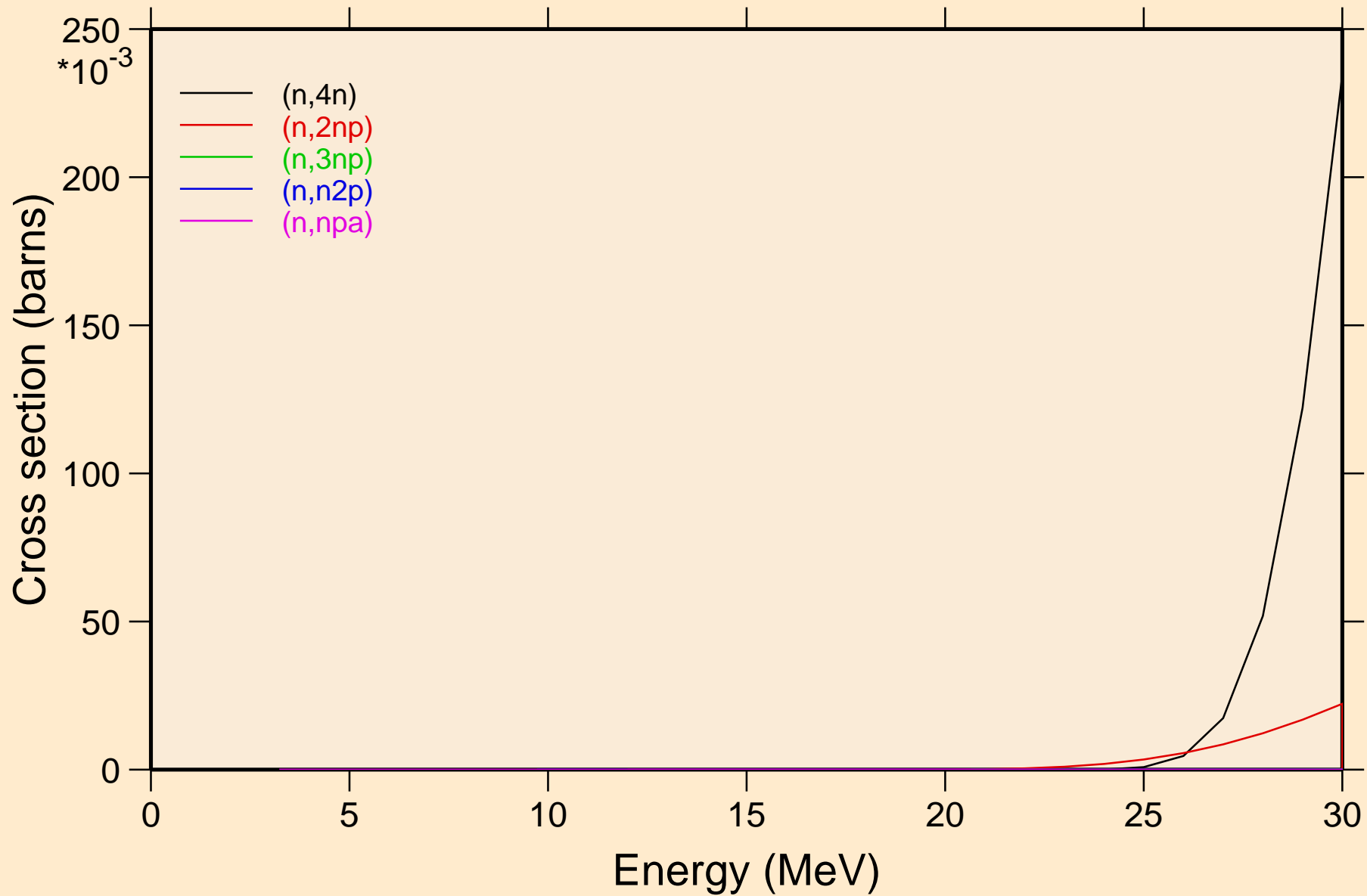




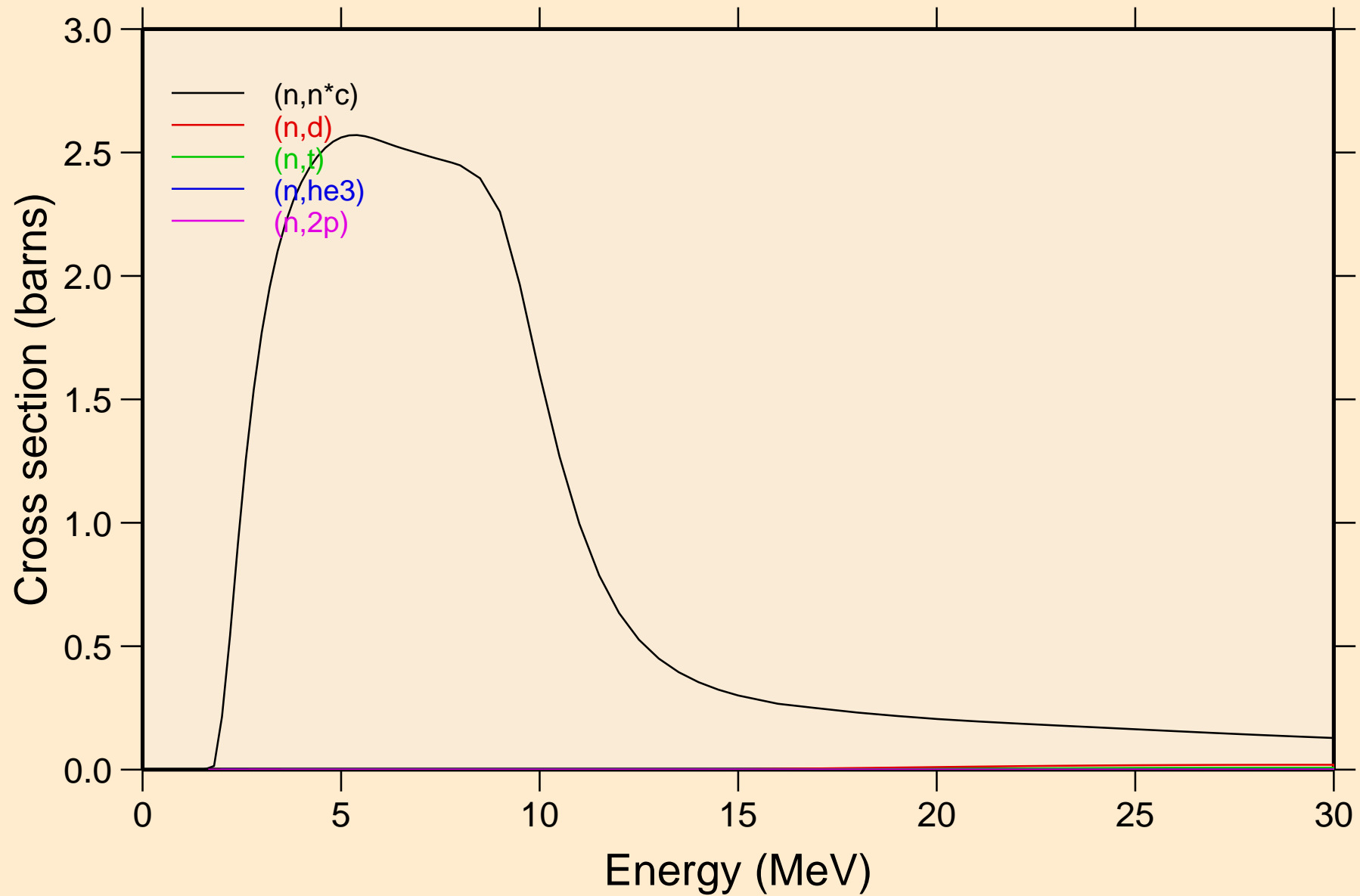
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Threshold reactions



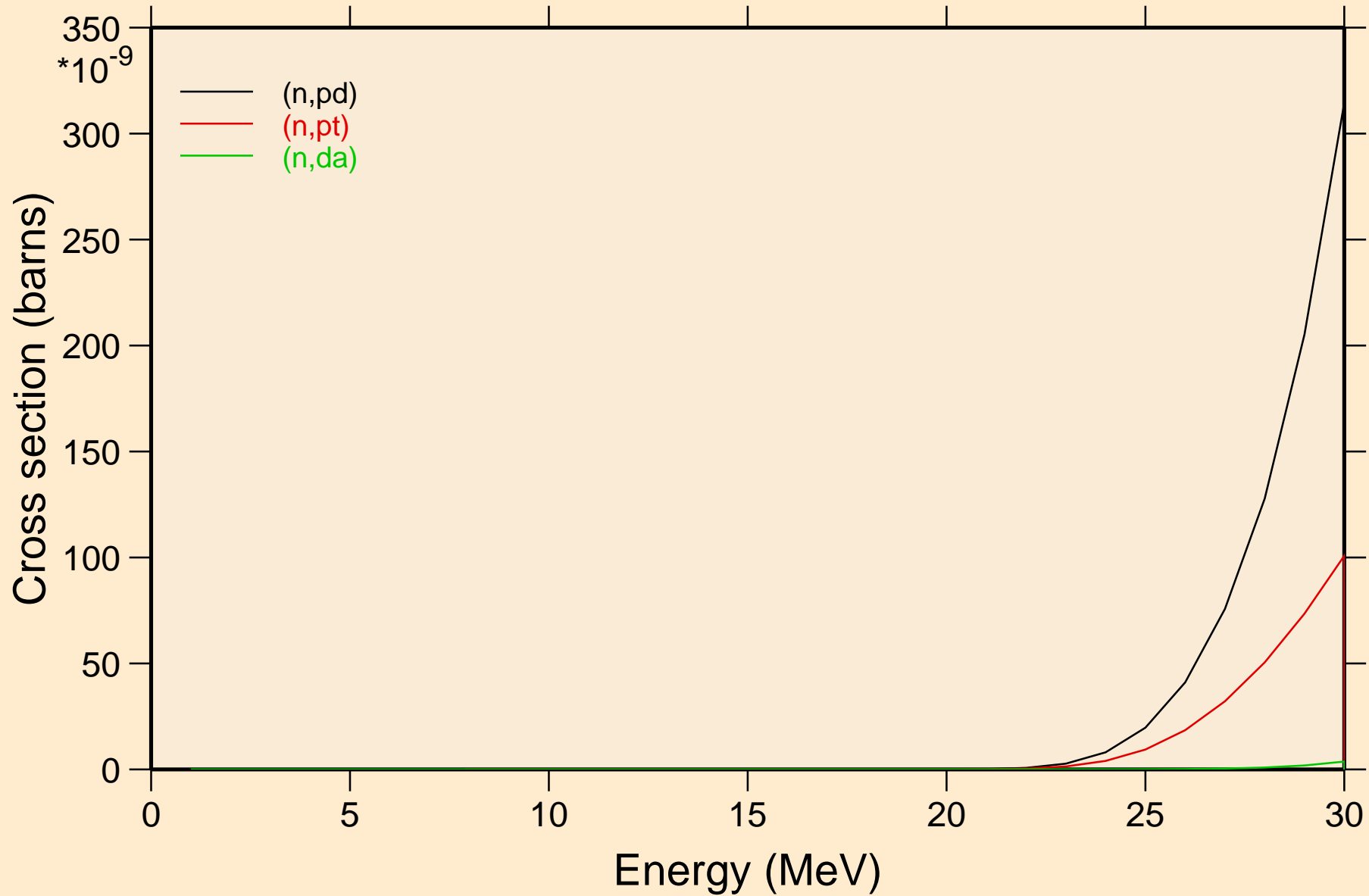
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Threshold reactions



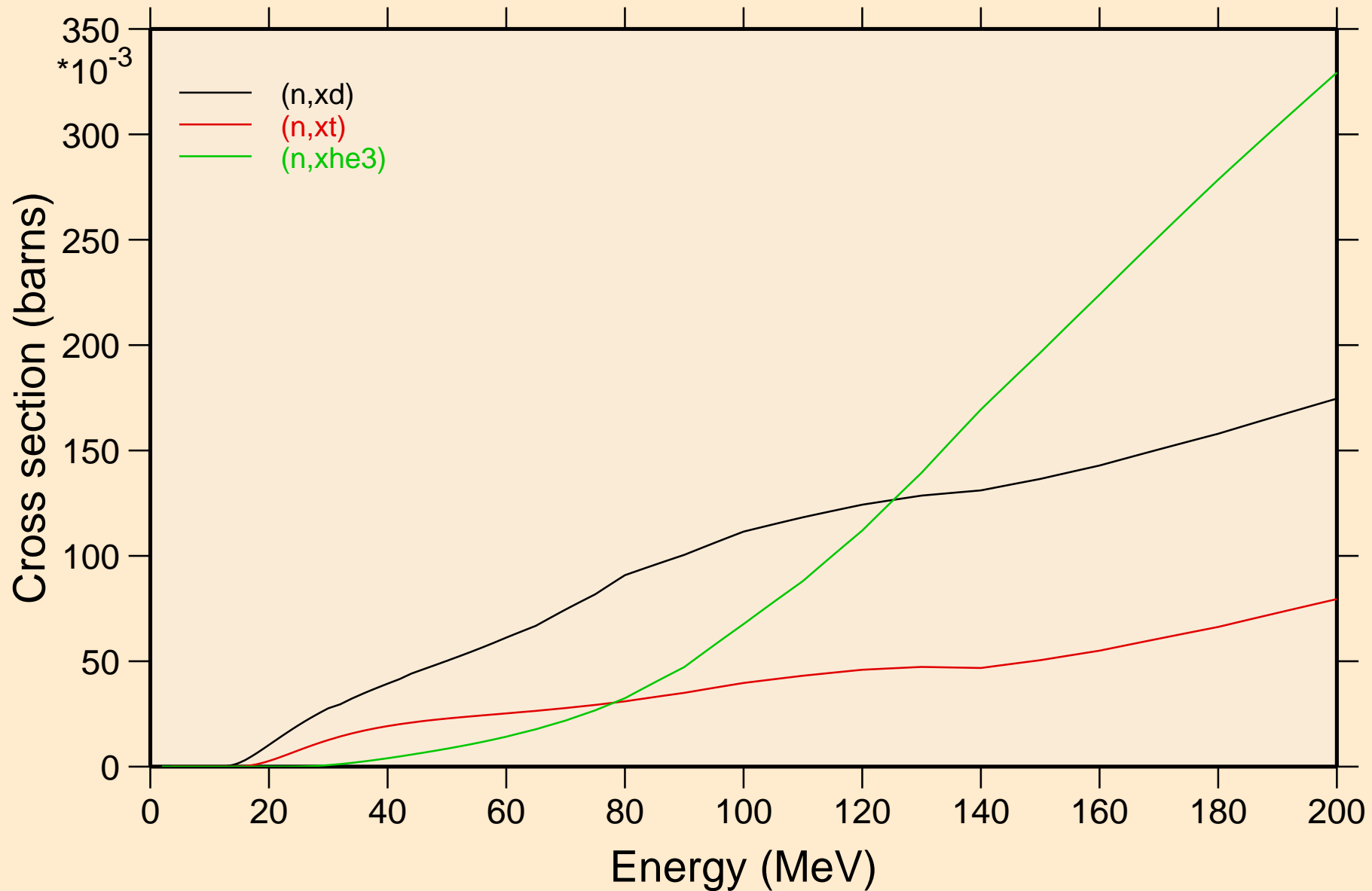
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Threshold reactions



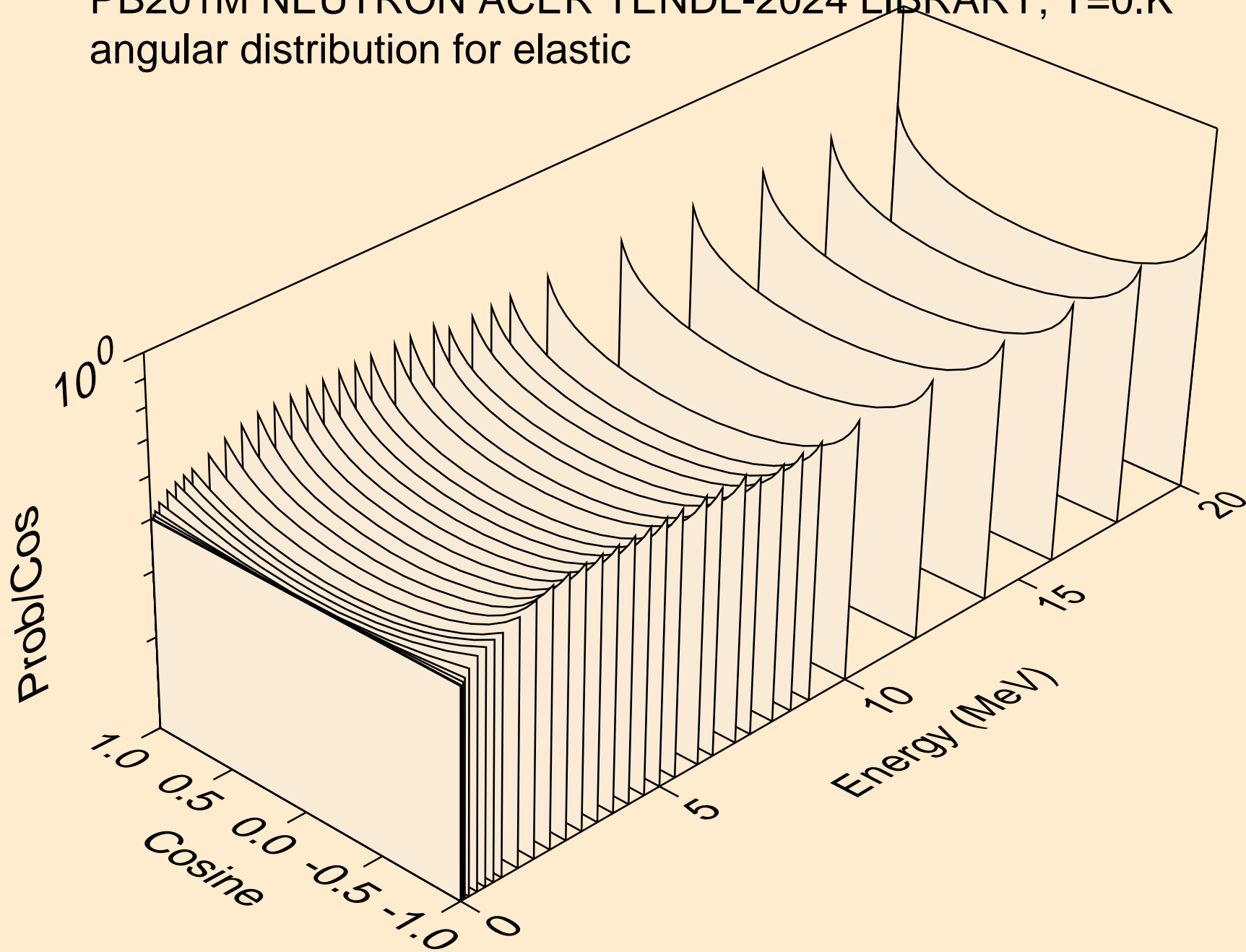
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Threshold reactions



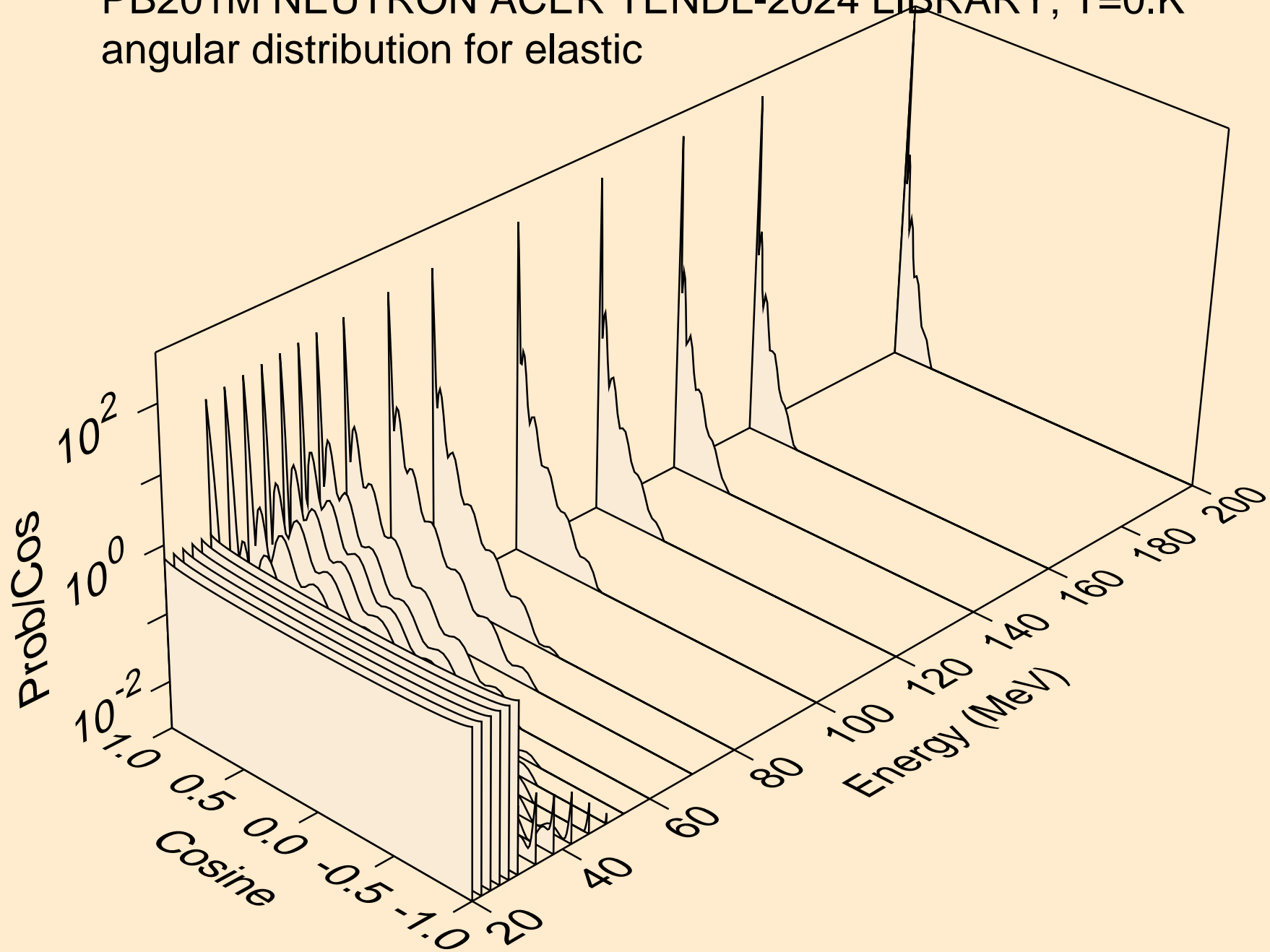
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Threshold reactions



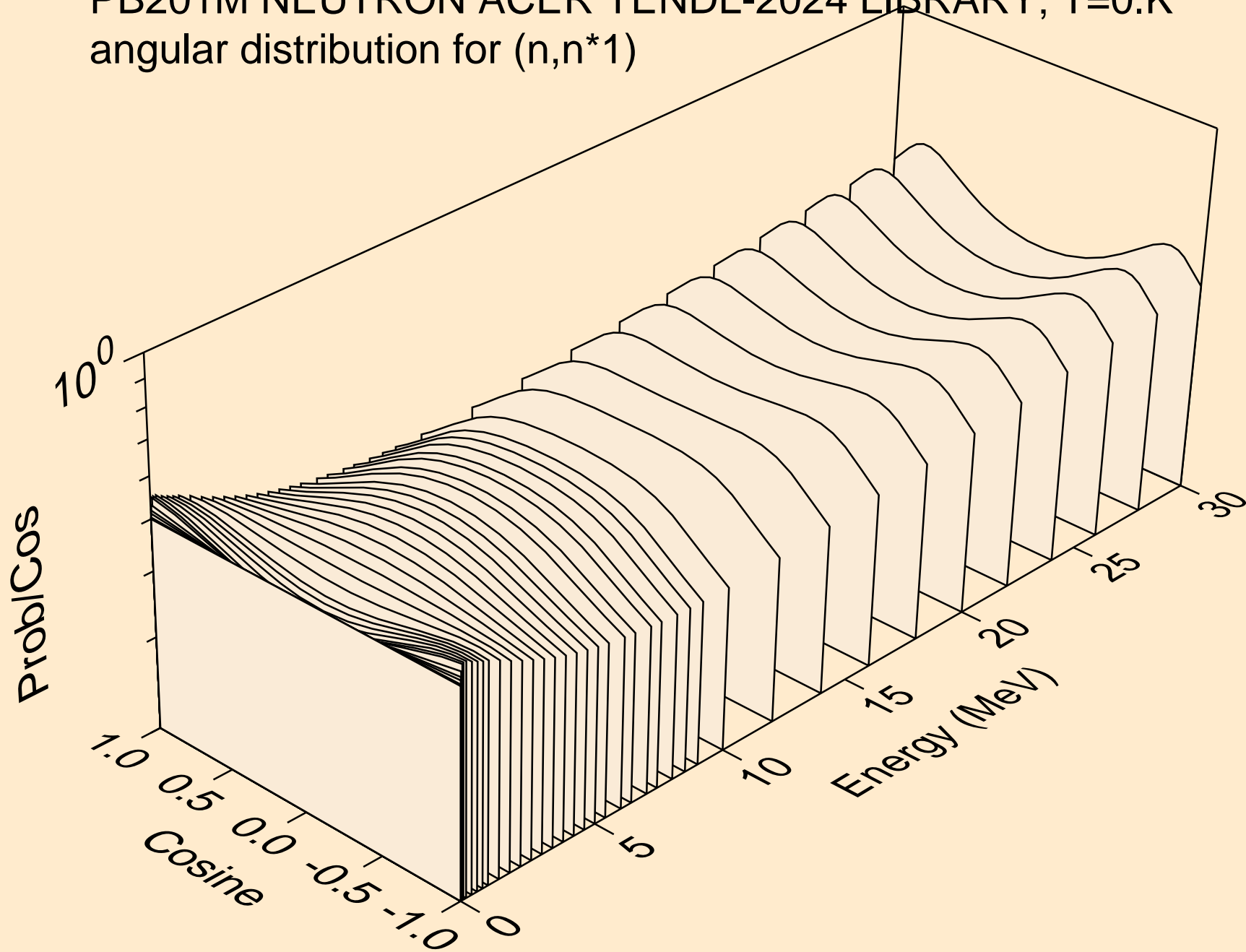
PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

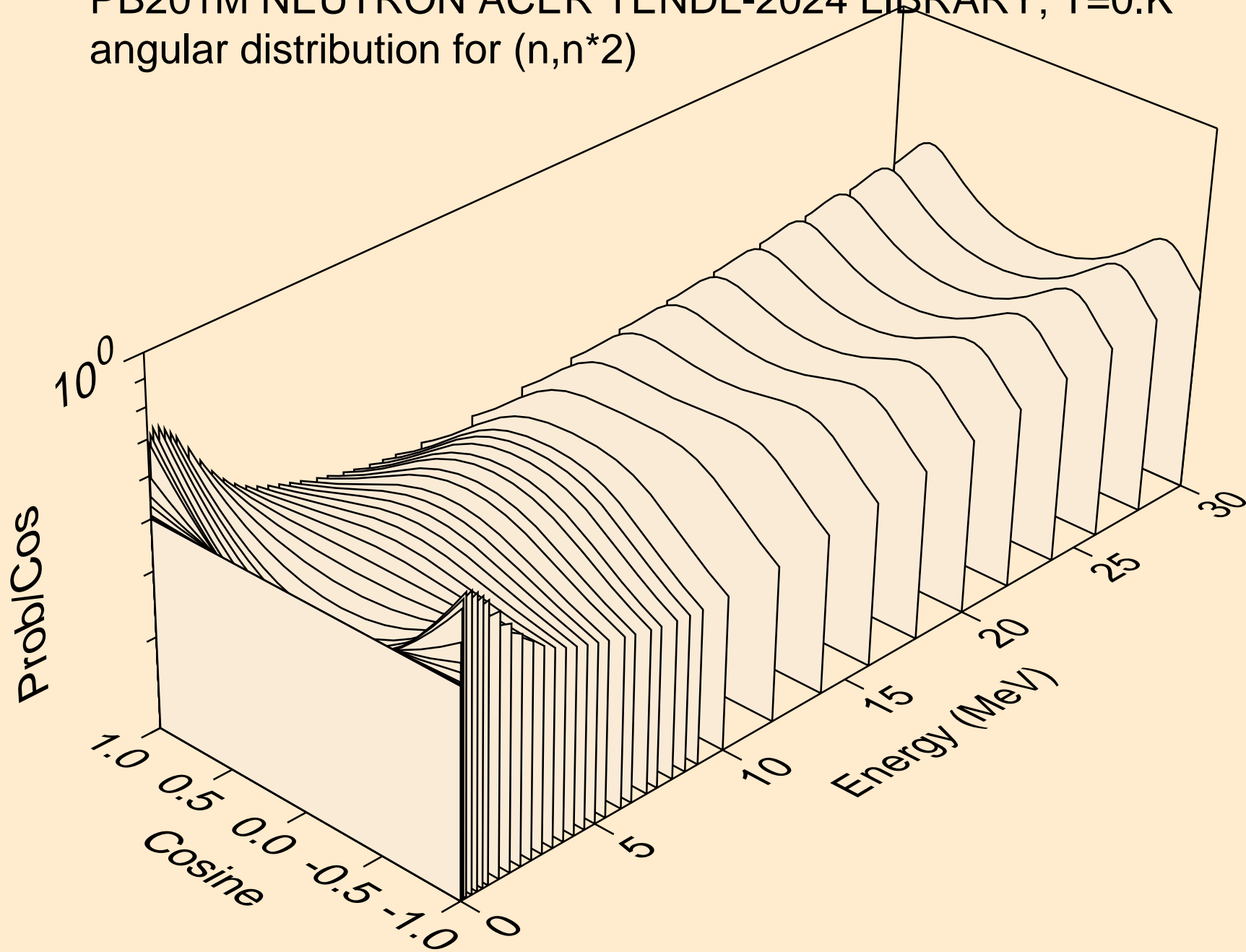


PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

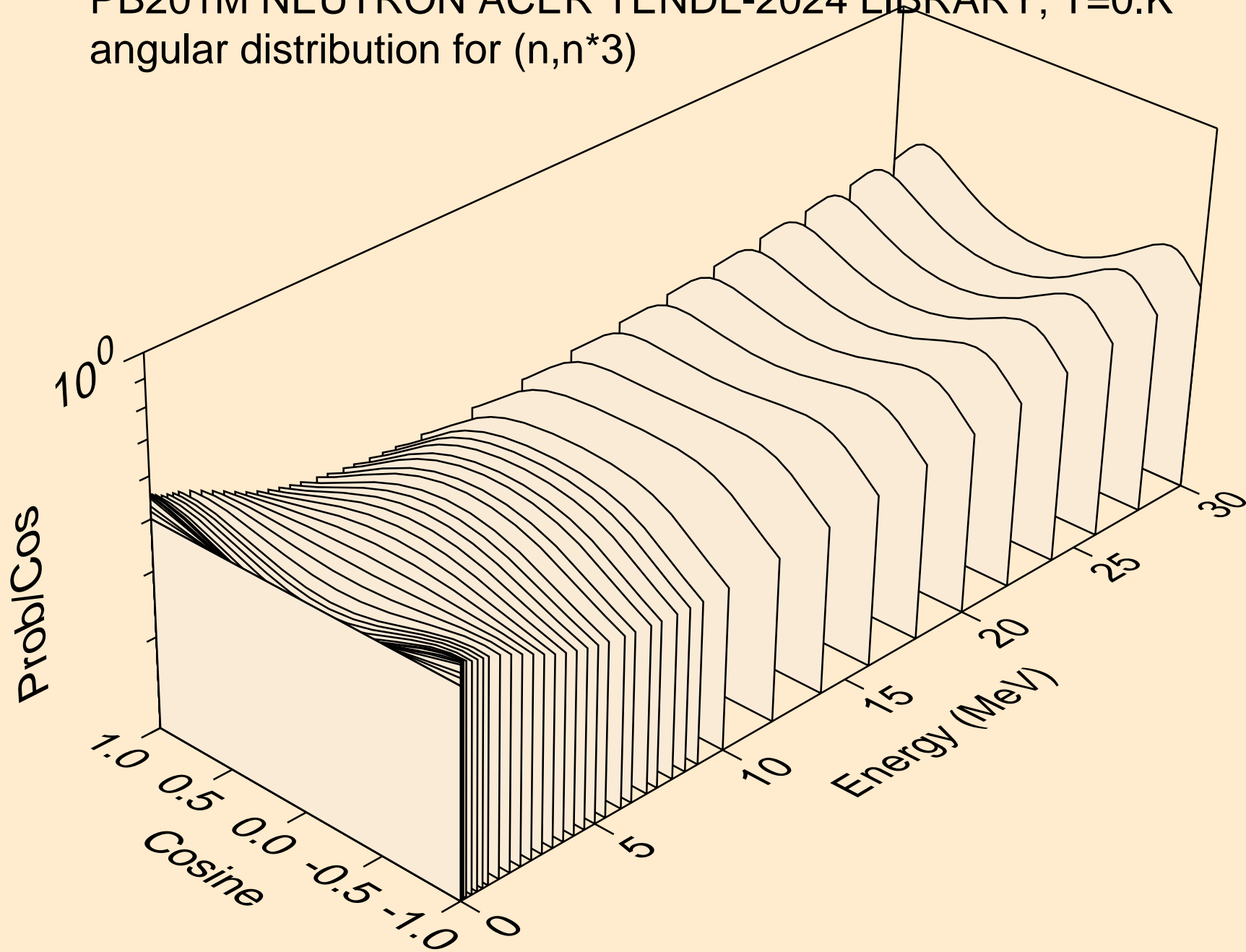




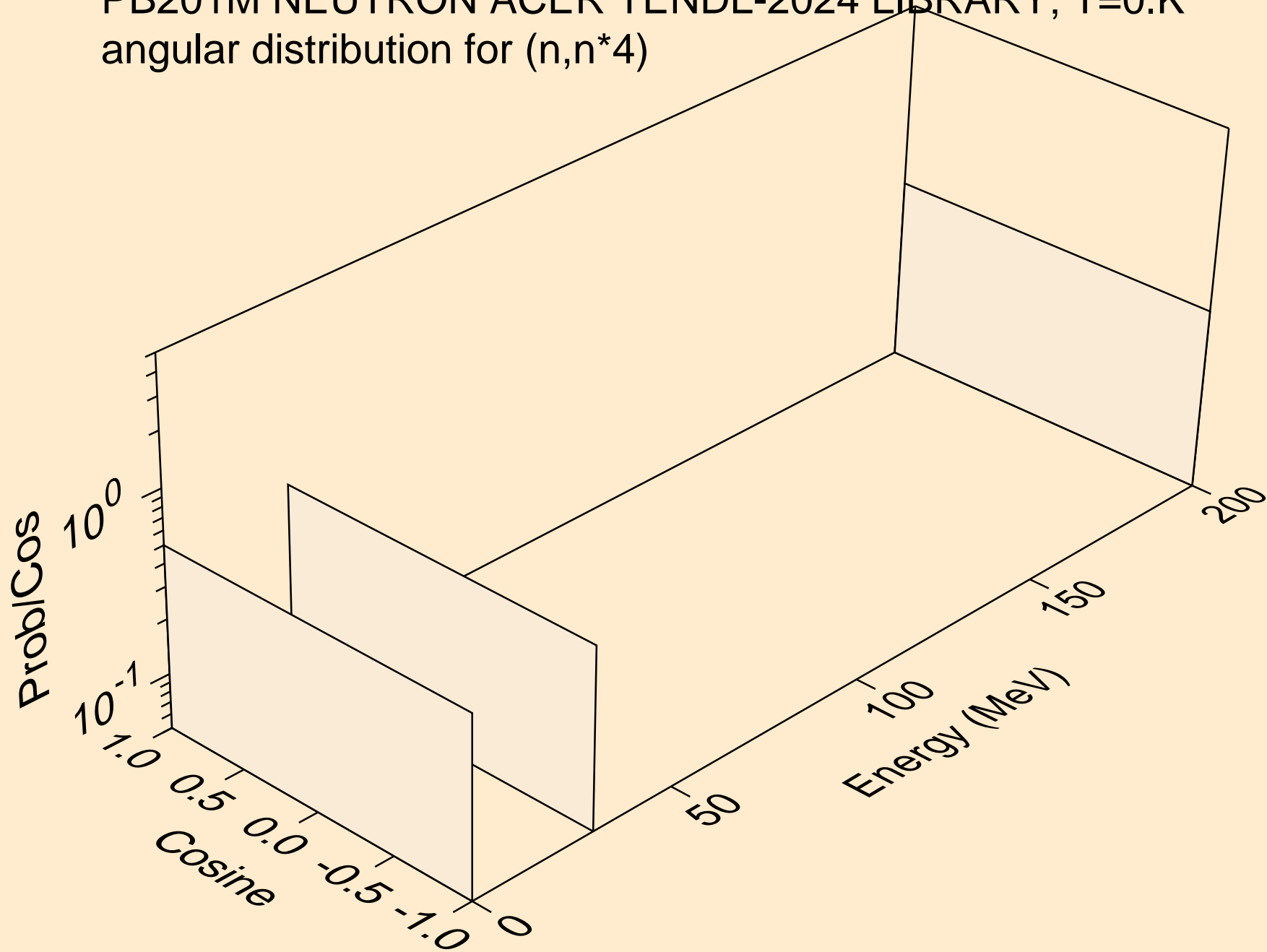
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angular distribution for (n,n\*2)



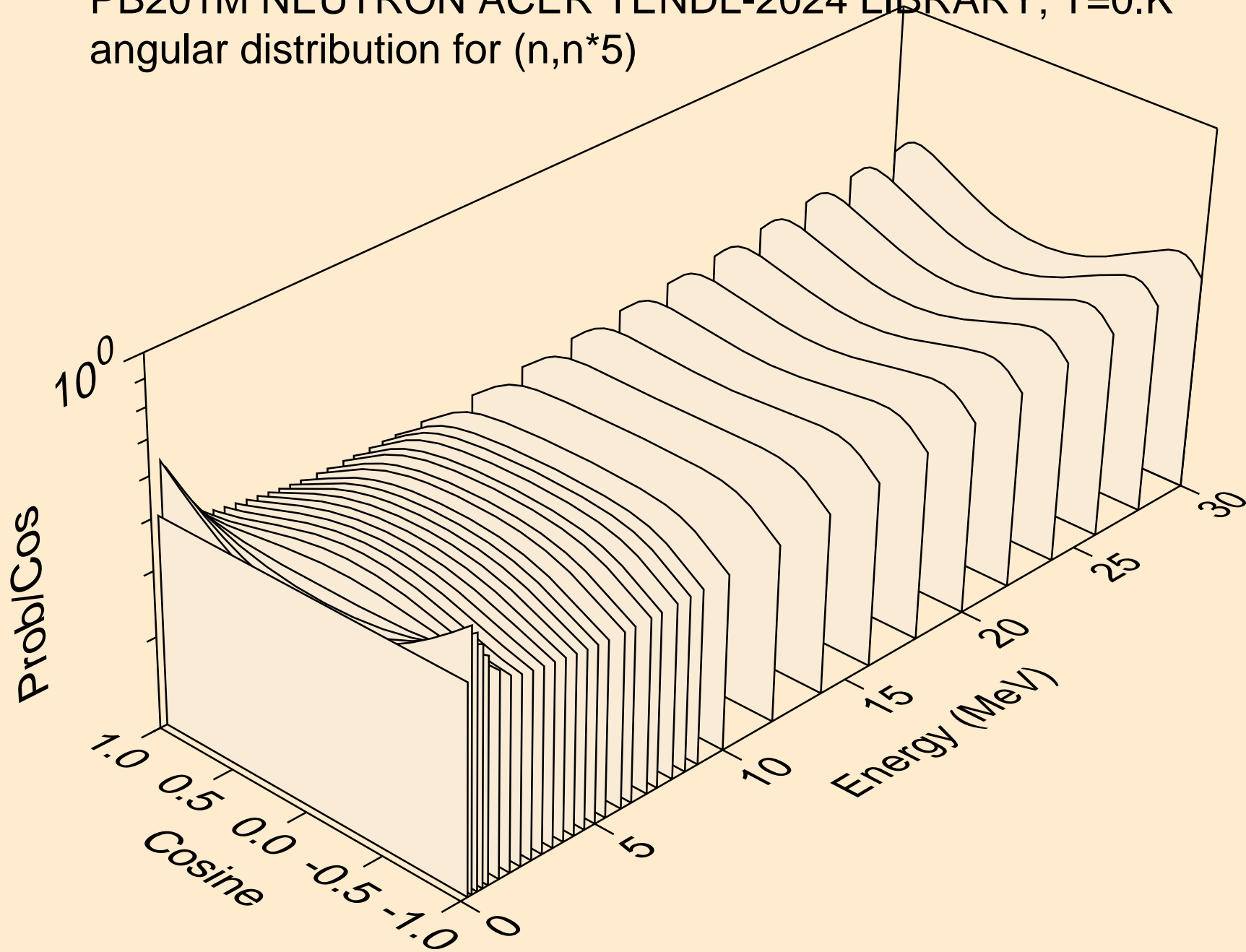
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angular distribution for (n,n\*3)



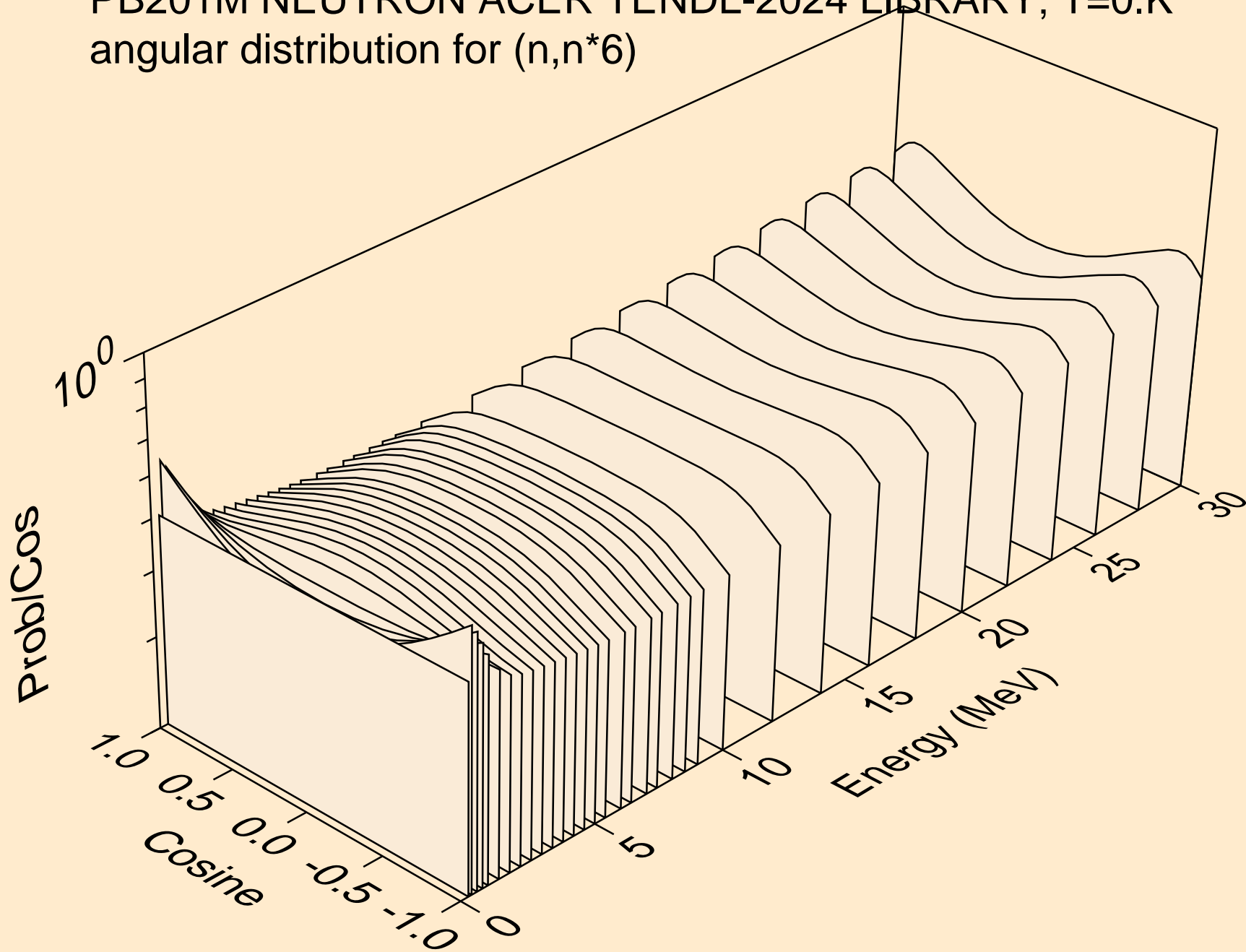
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angular distribution for (n,n\*4)



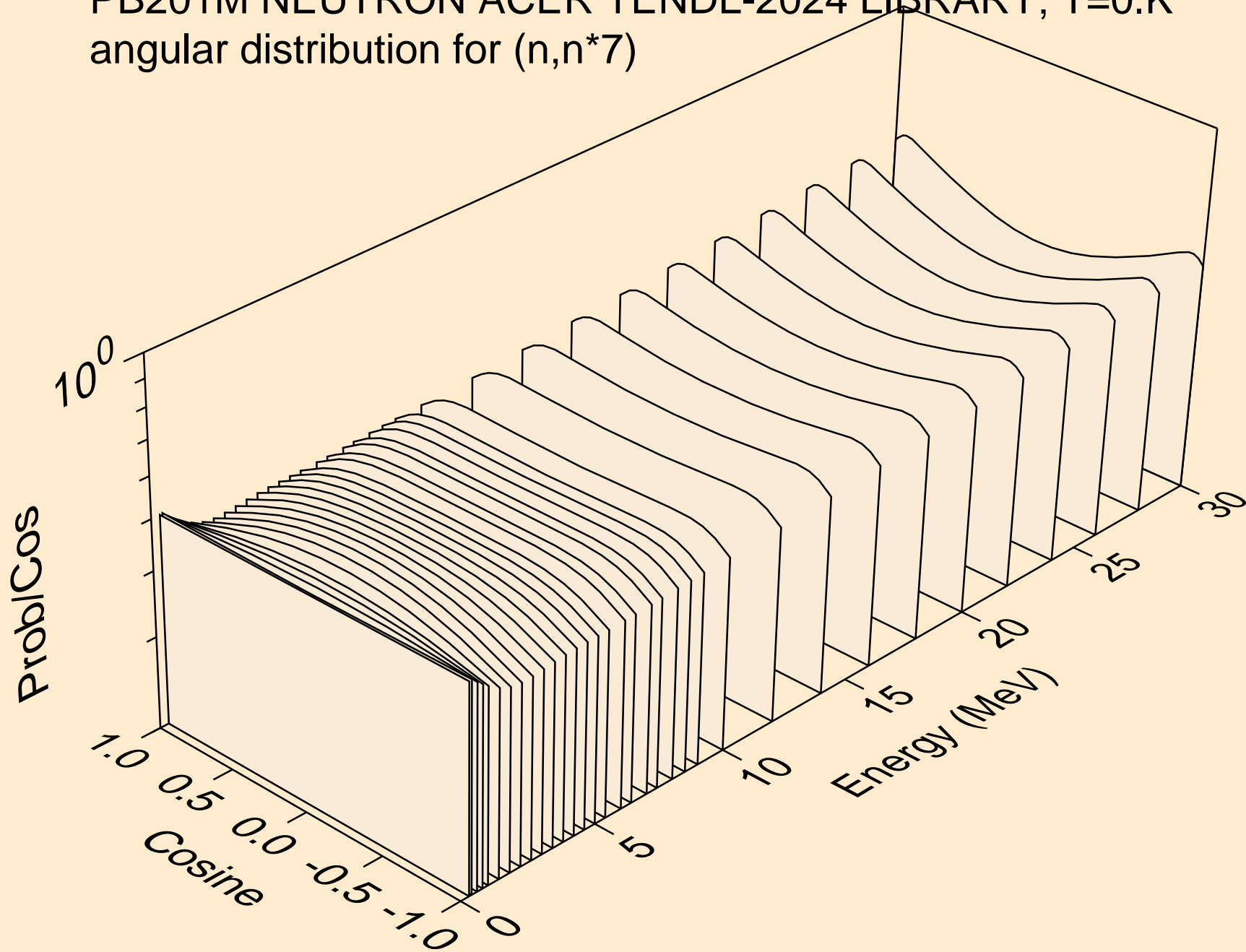
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angular distribution for (n,n\*5)



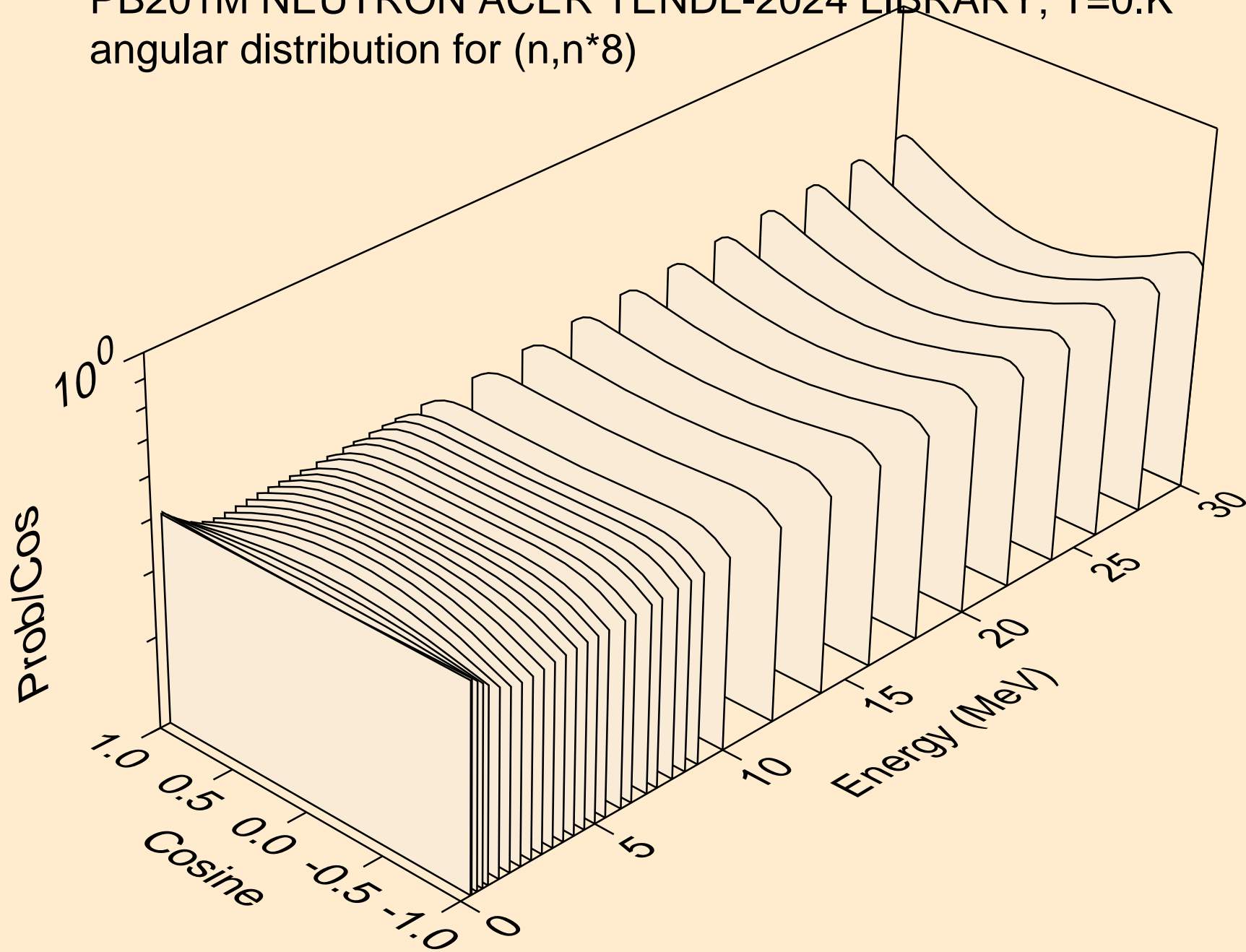
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angular distribution for (n,n\*6)



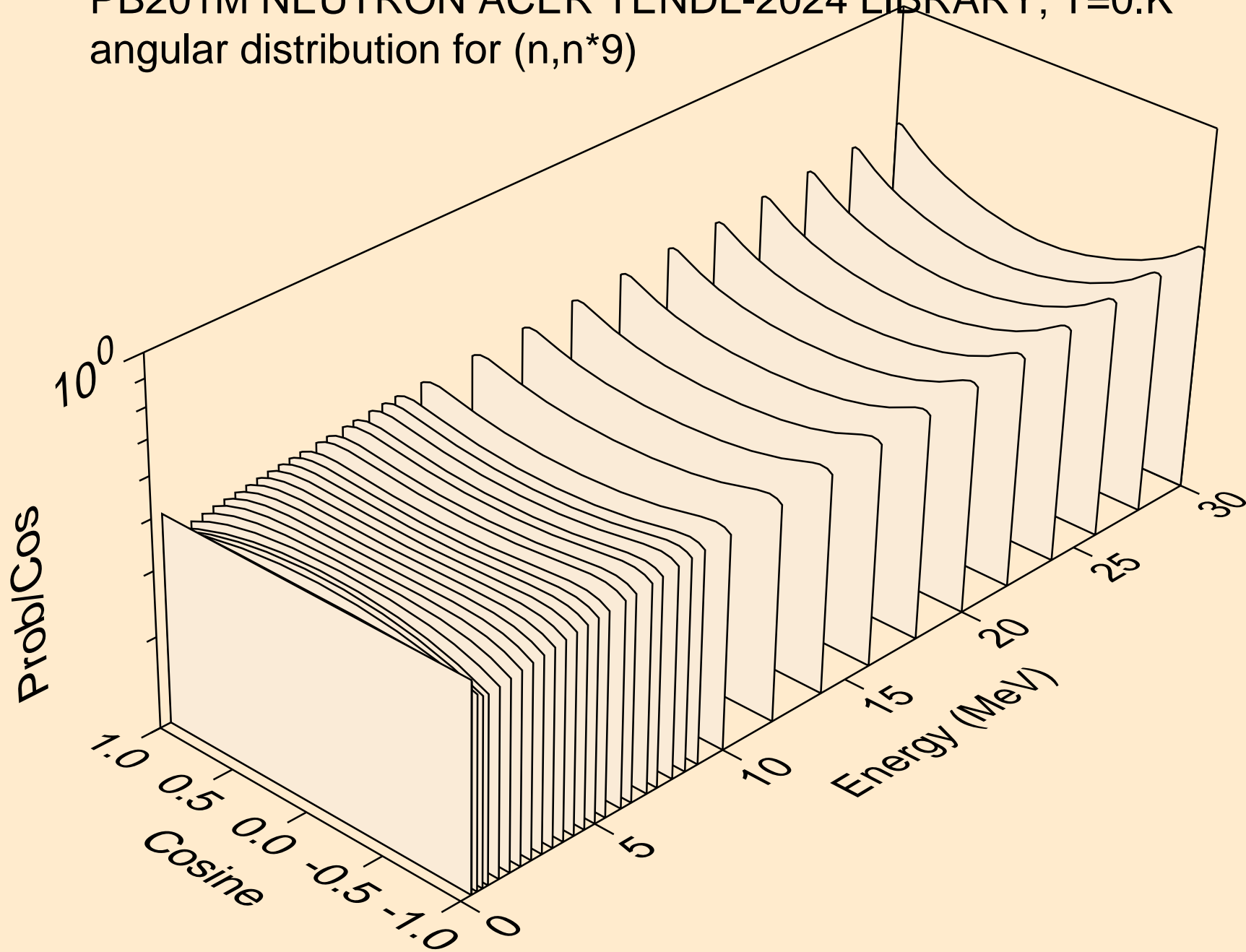
PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)

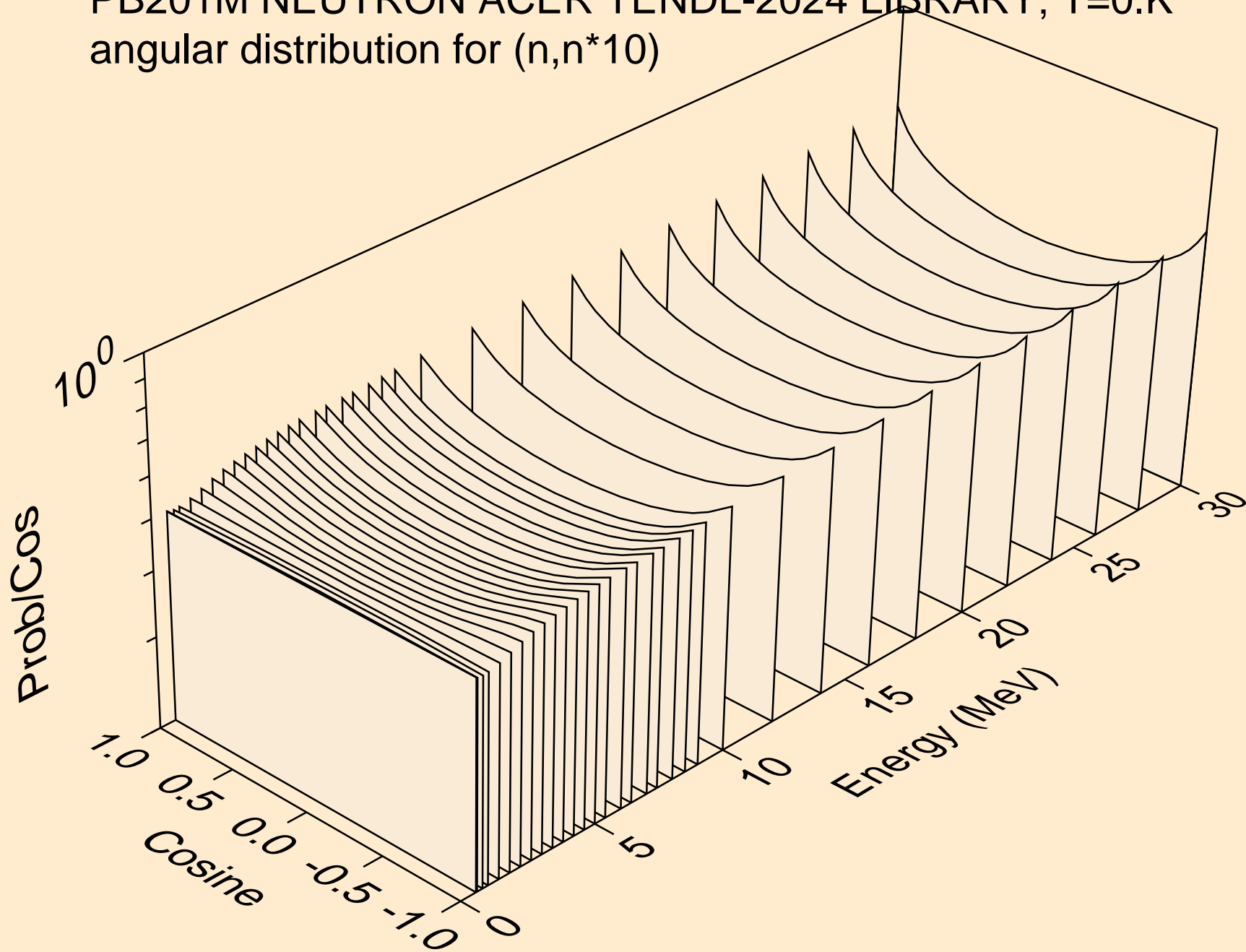


PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

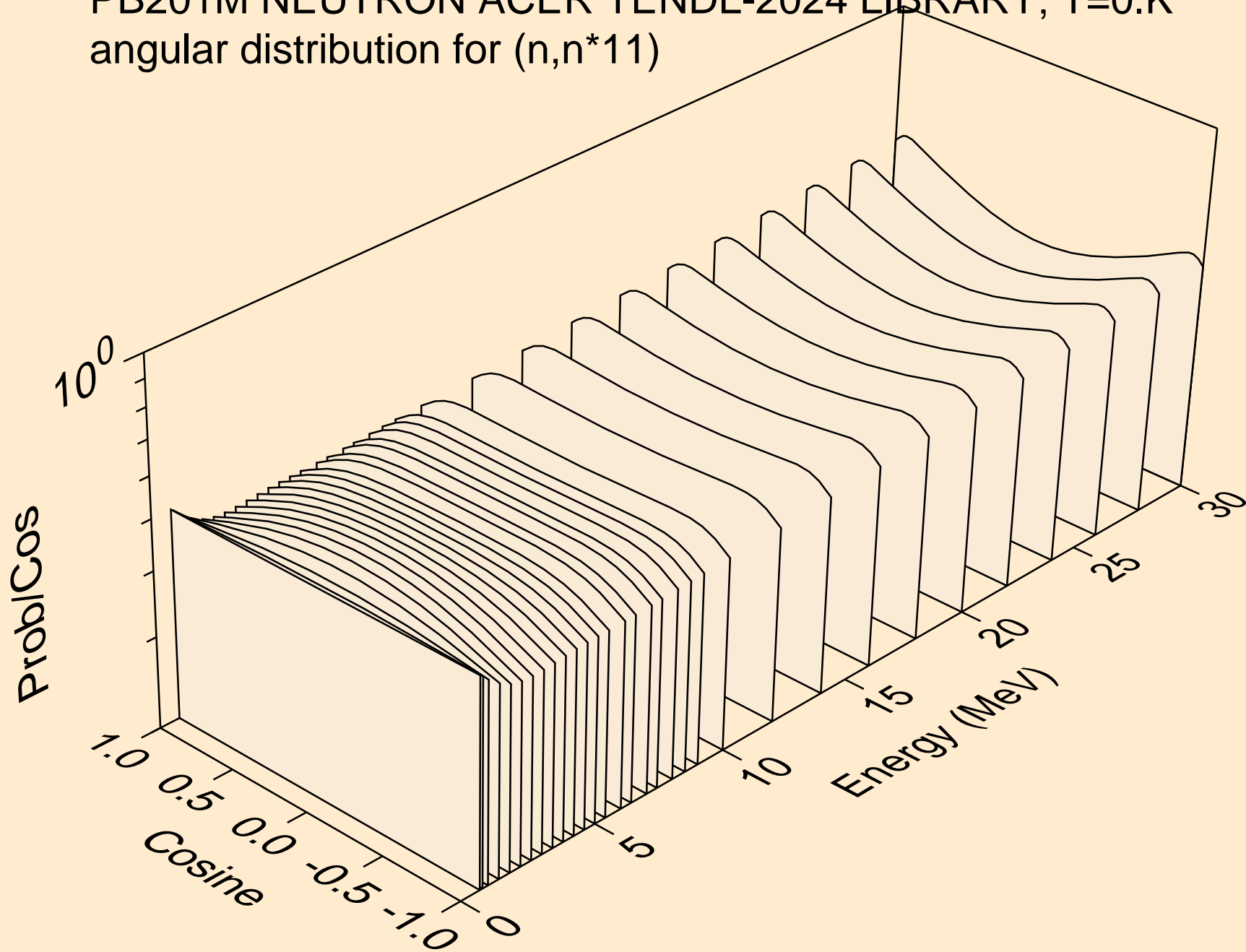




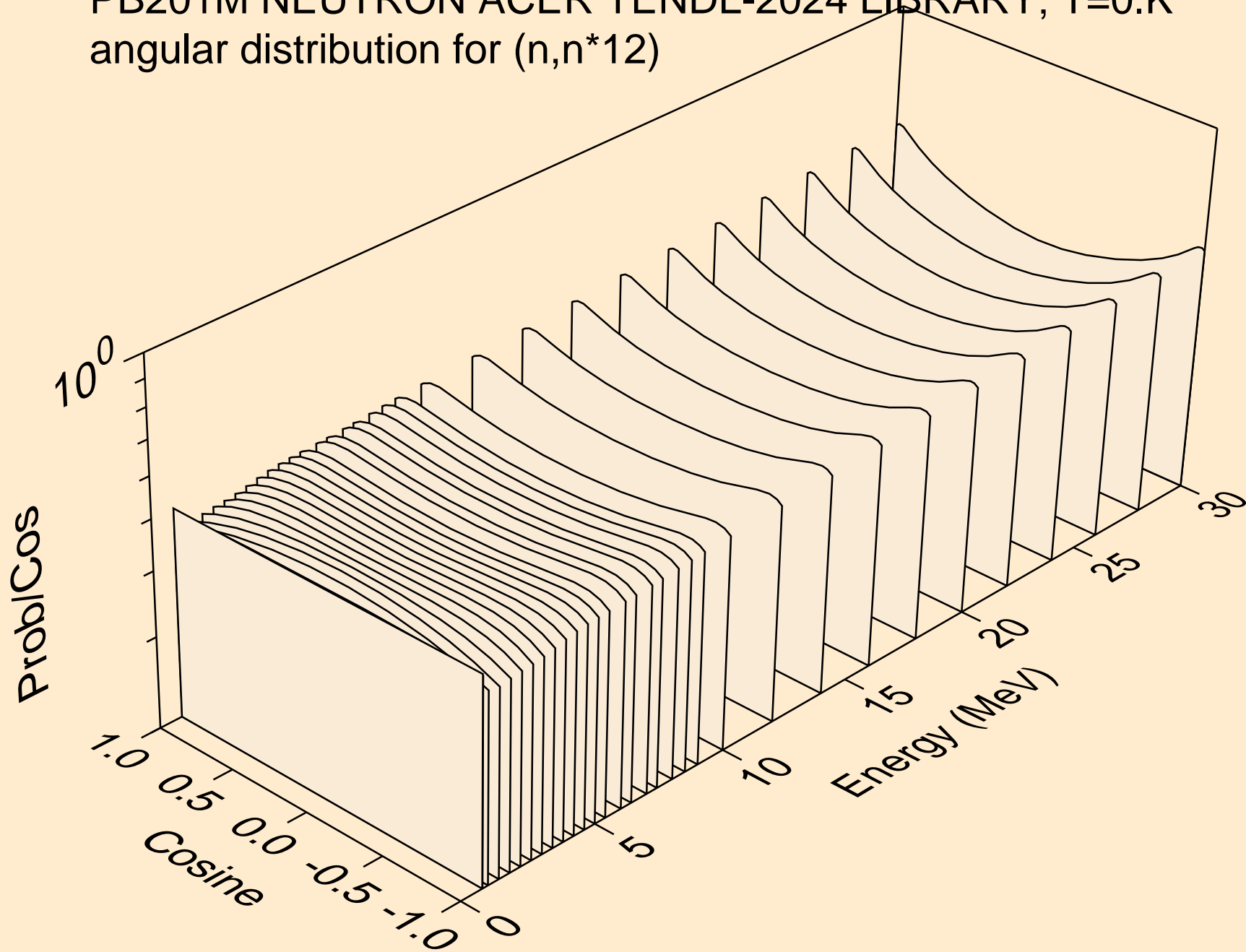
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angular distribution for (n,n\*10)



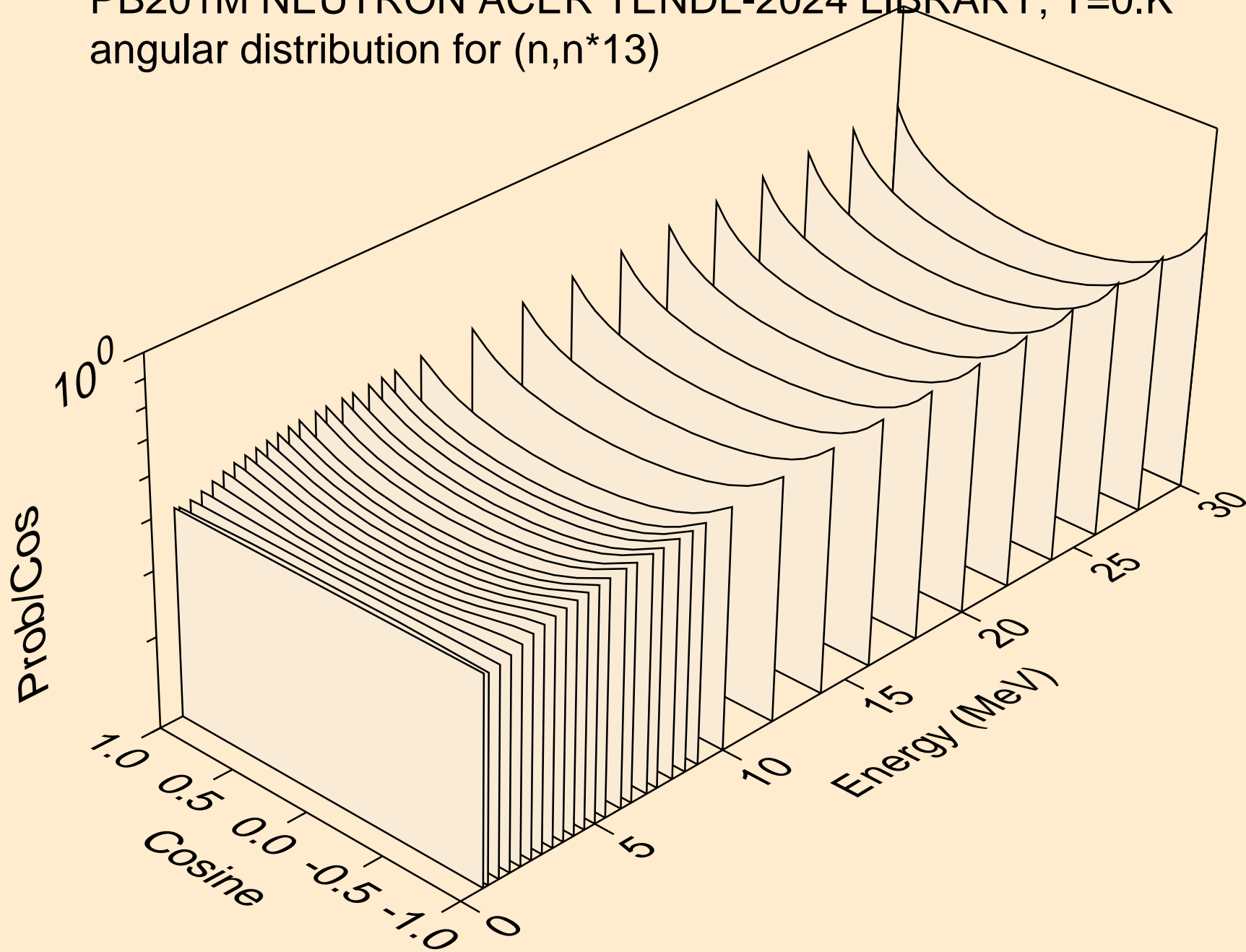
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angular distribution for (n,n\*11)



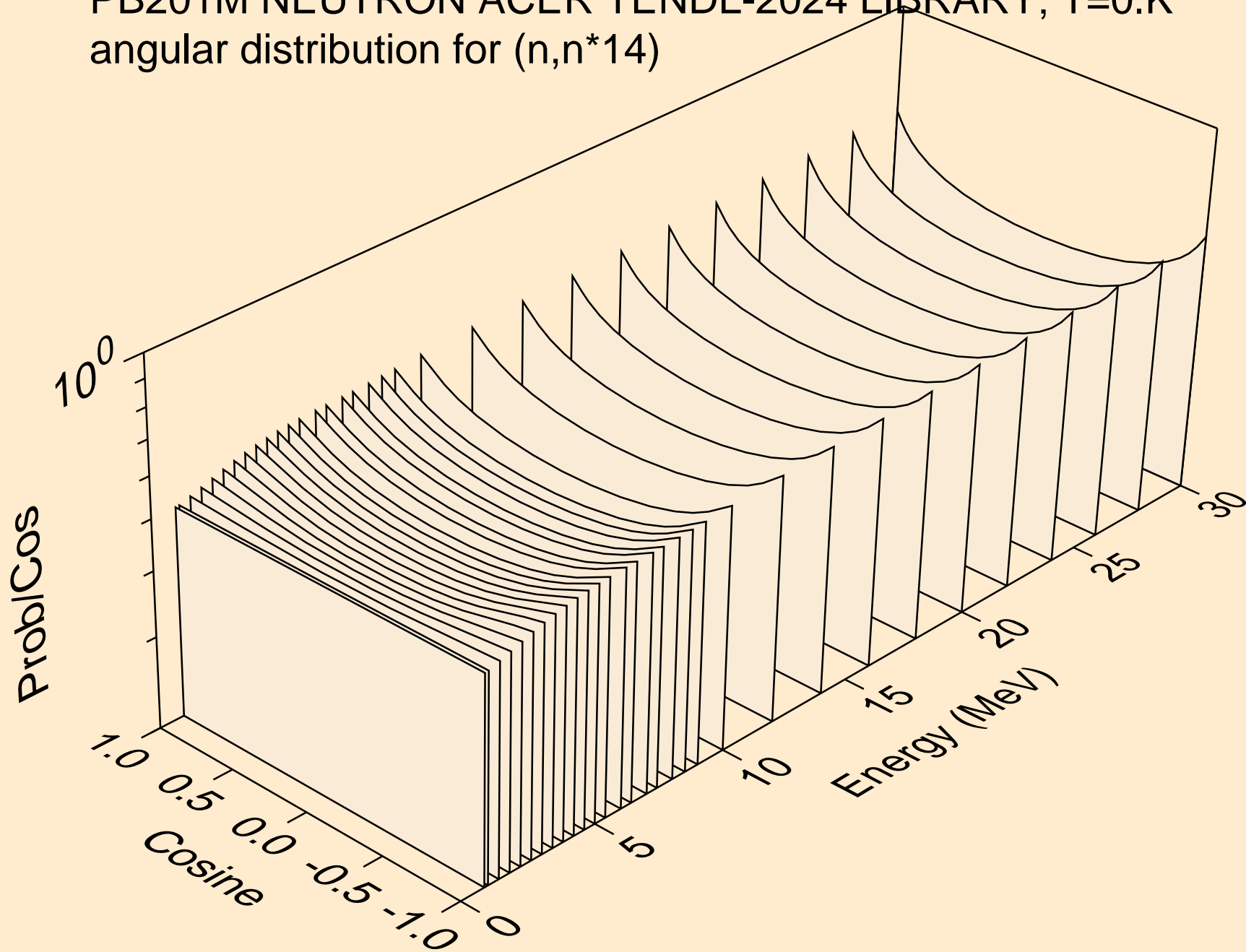
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angular distribution for (n,n\*12)



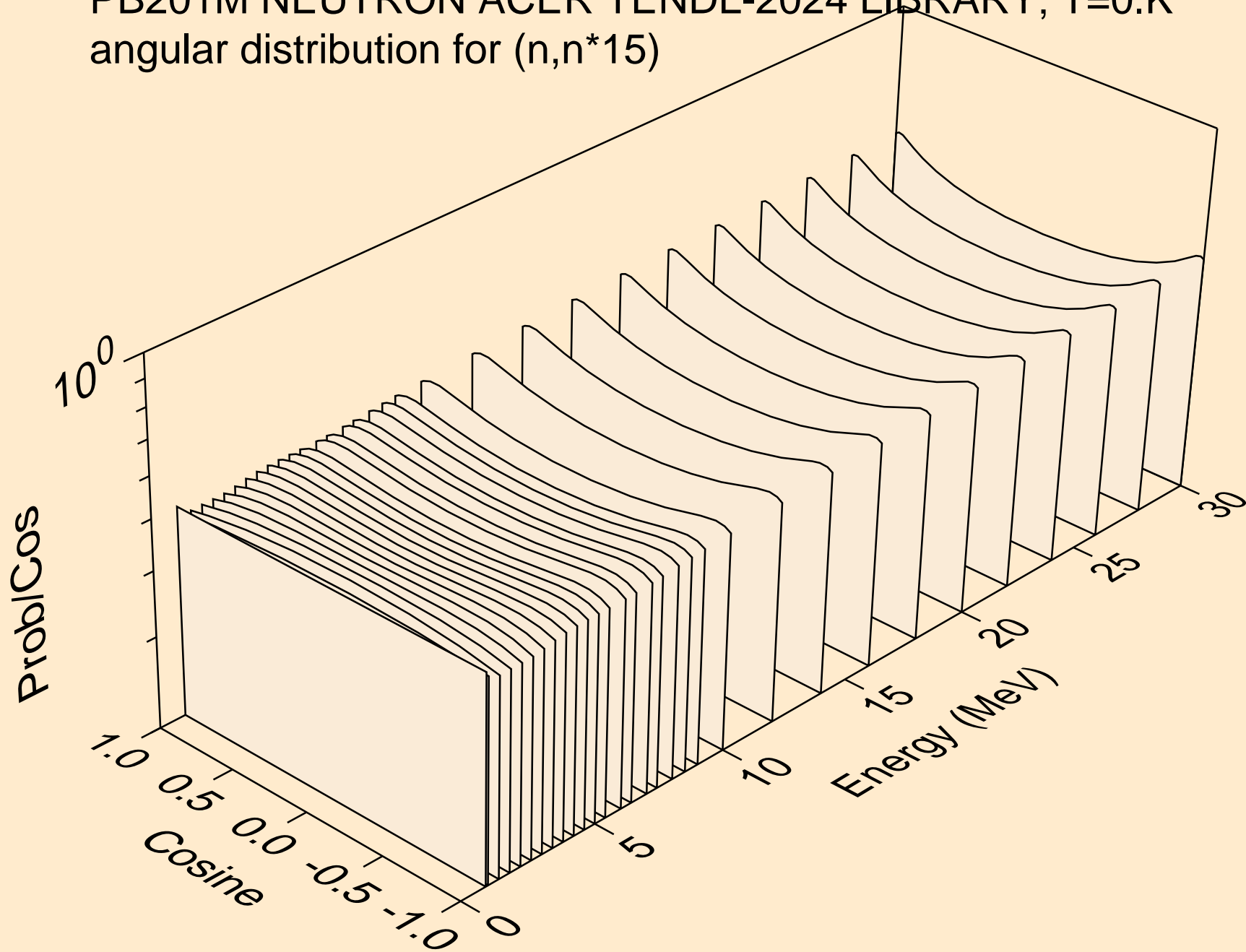
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angular distribution for (n,n\*13)



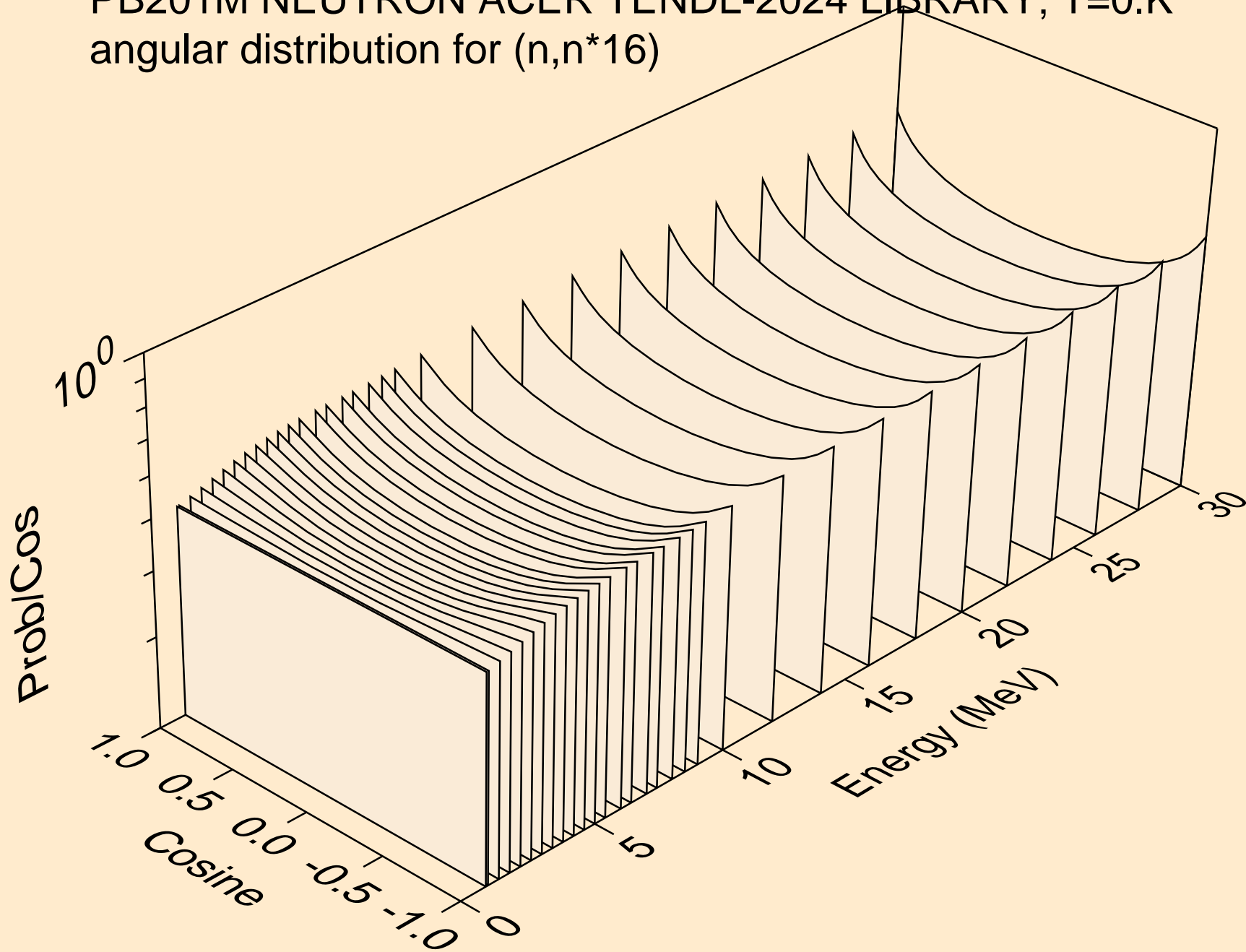
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angular distribution for (n,n\*14)



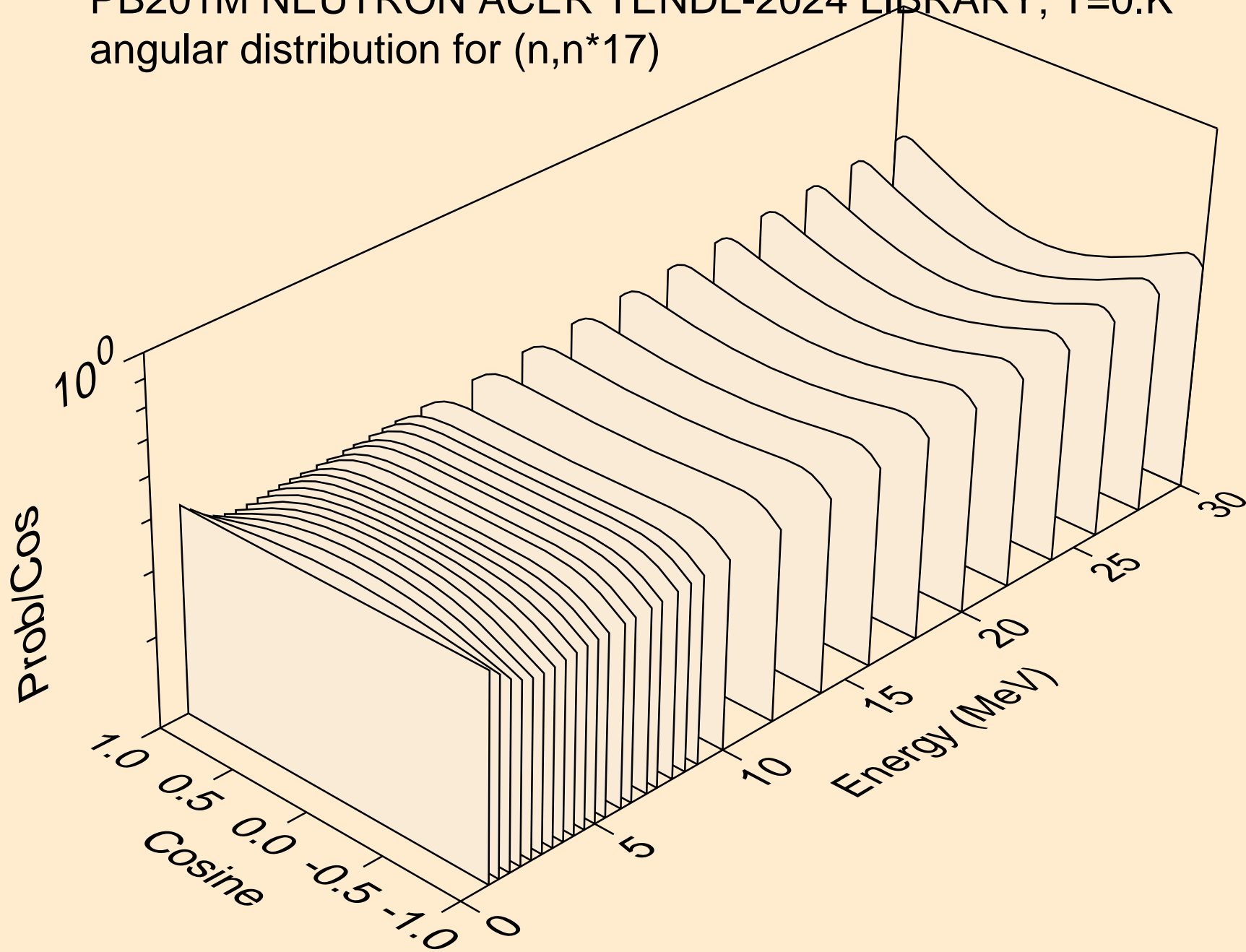
PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)

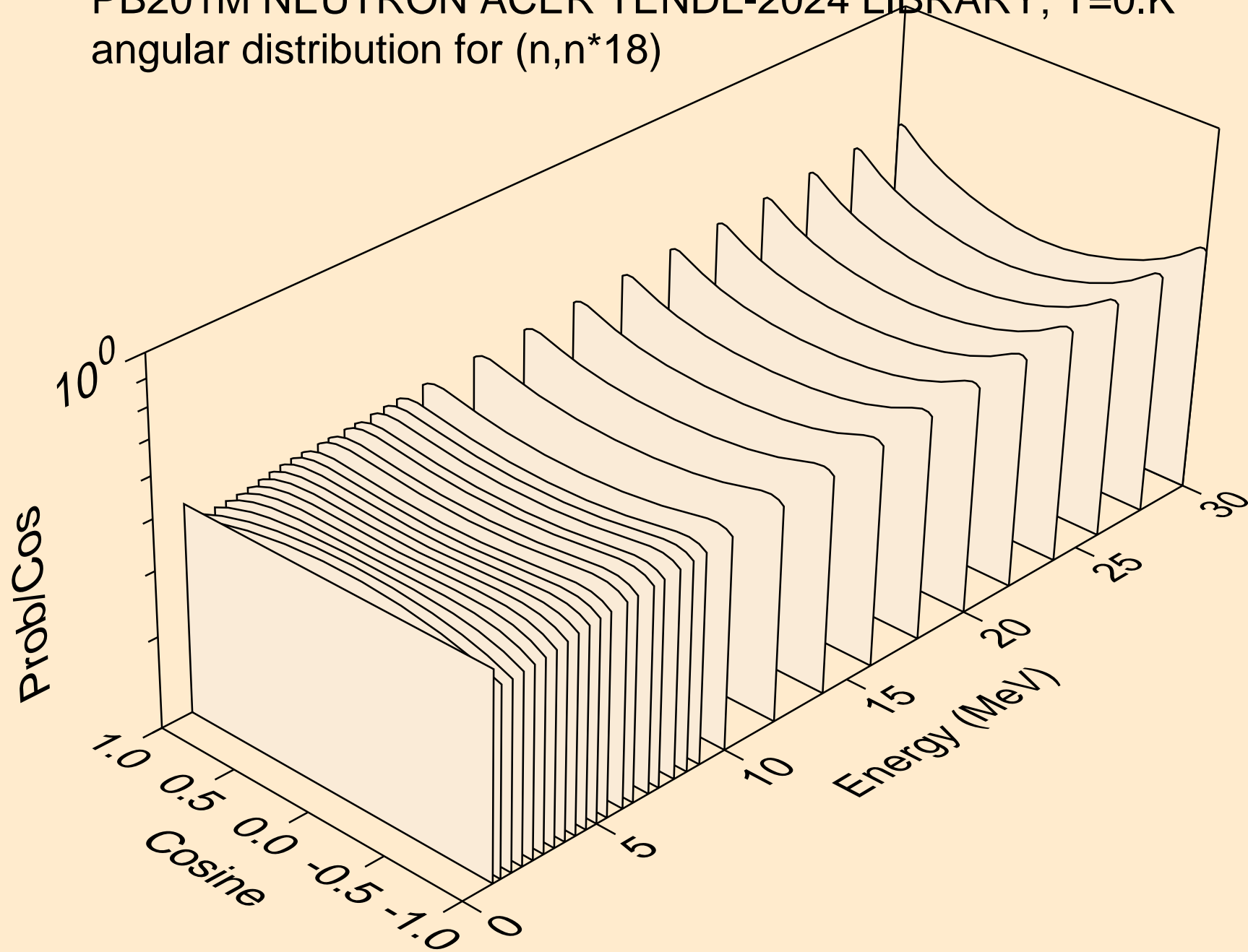


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angular distribution for (n,n\*17)

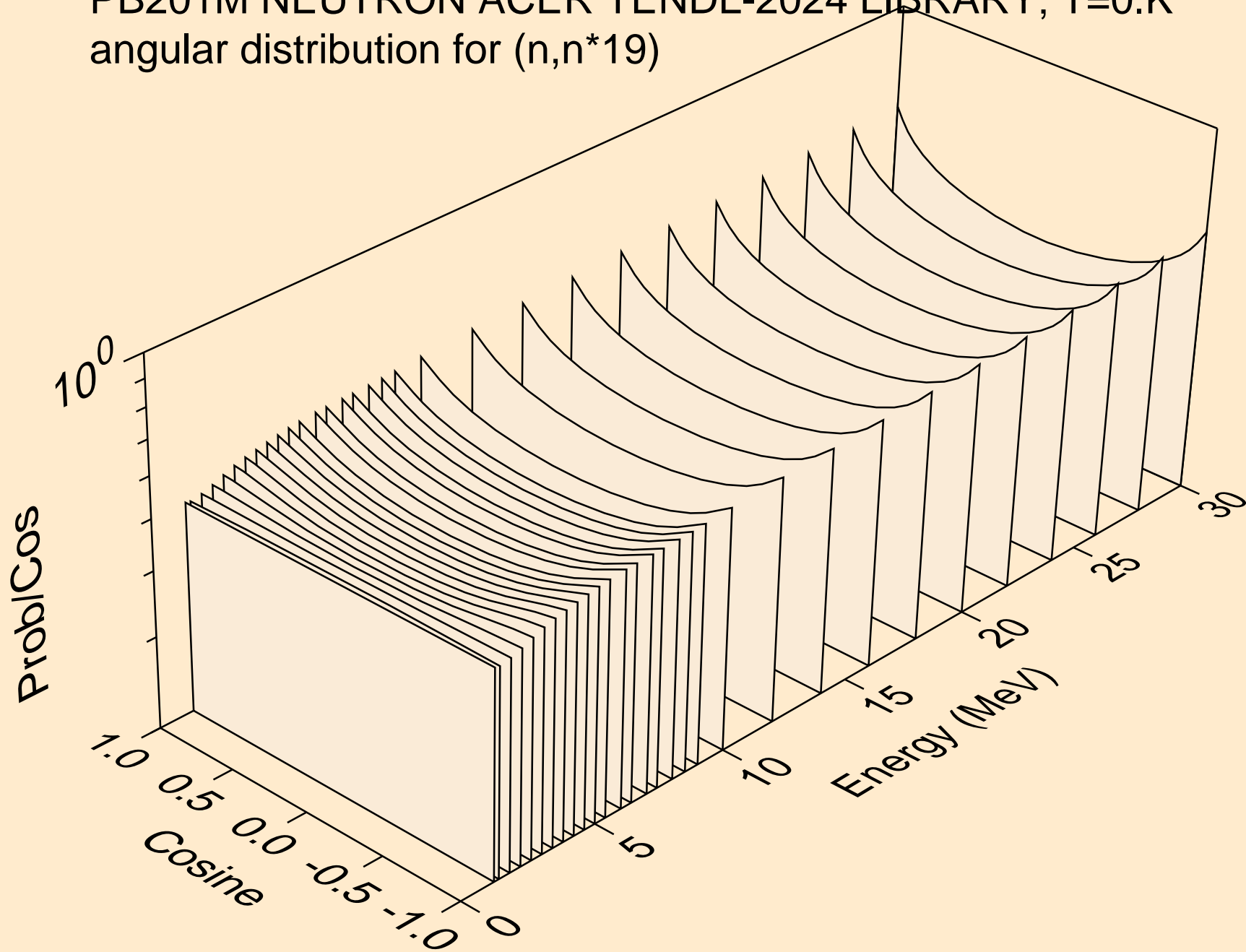




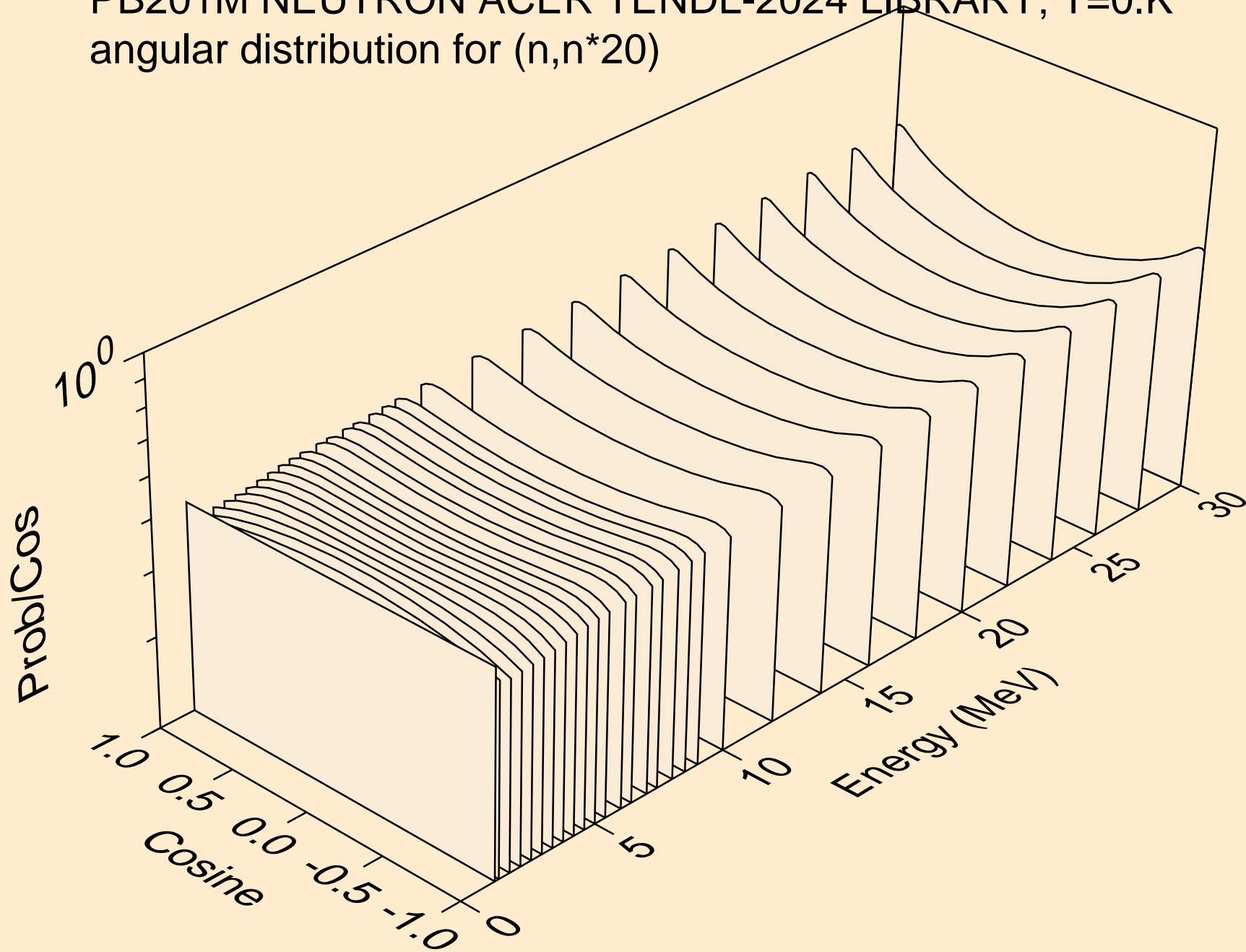
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angular distribution for (n,n\*18)



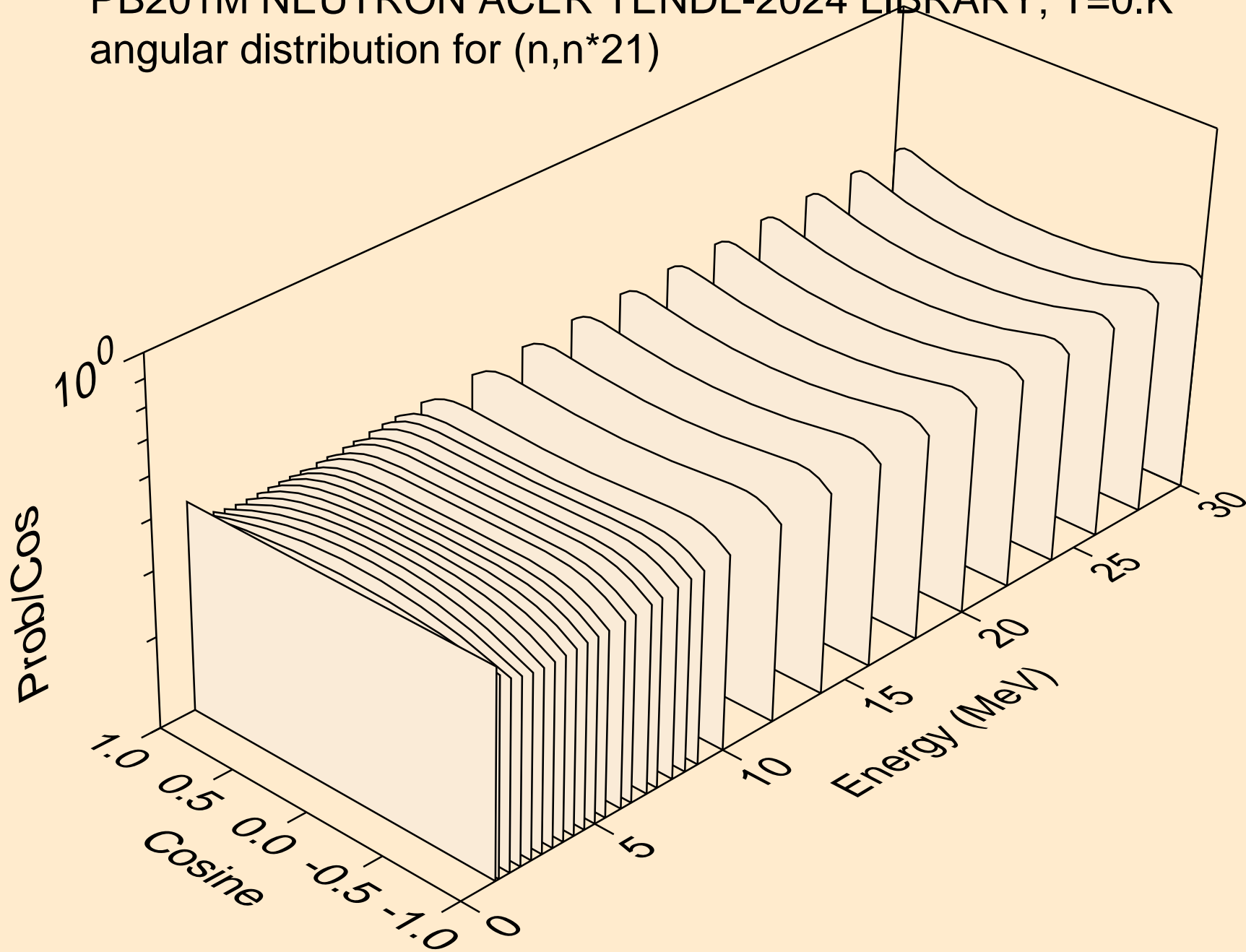
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angular distribution for (n,n\*19)



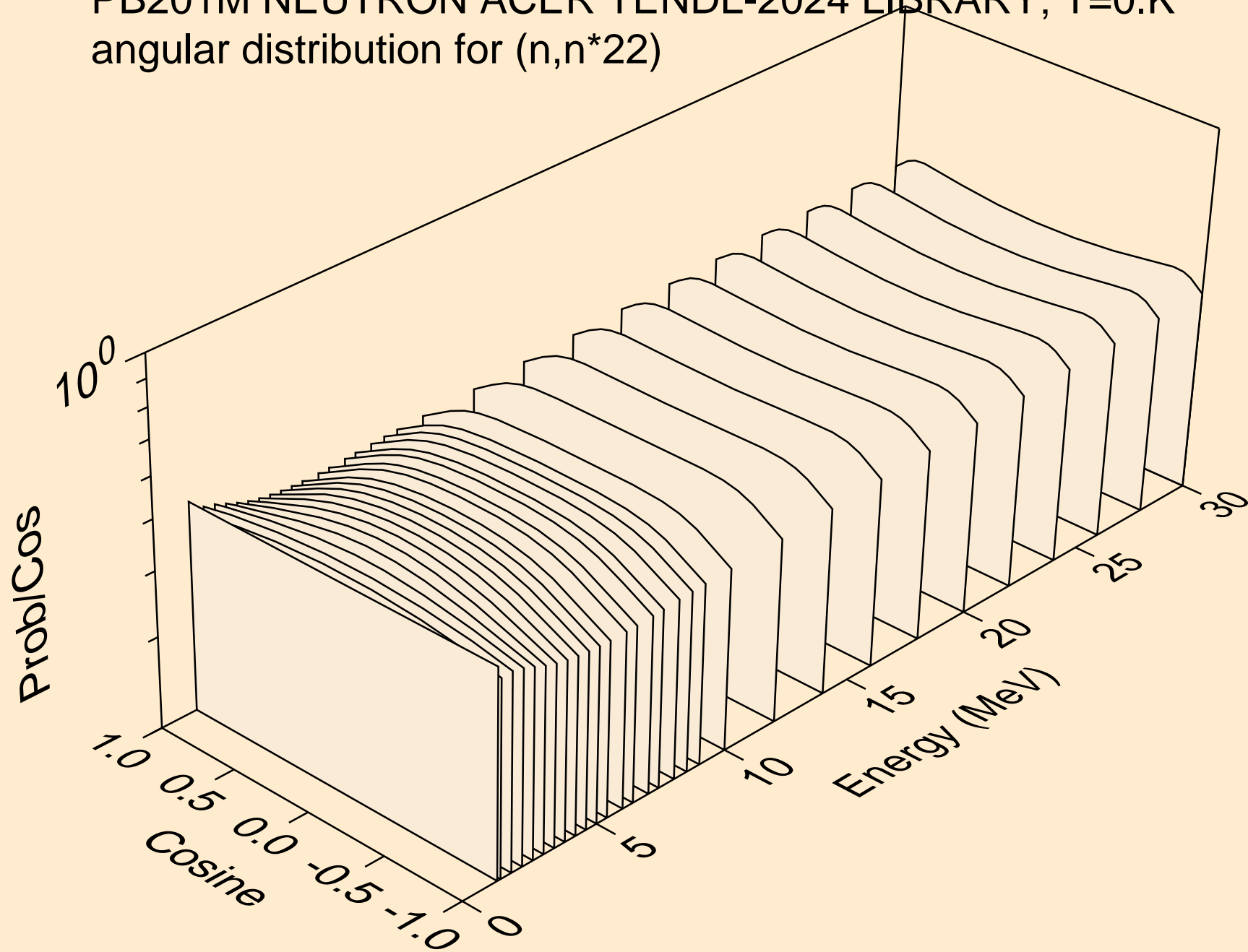
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angular distribution for (n,n\*20)



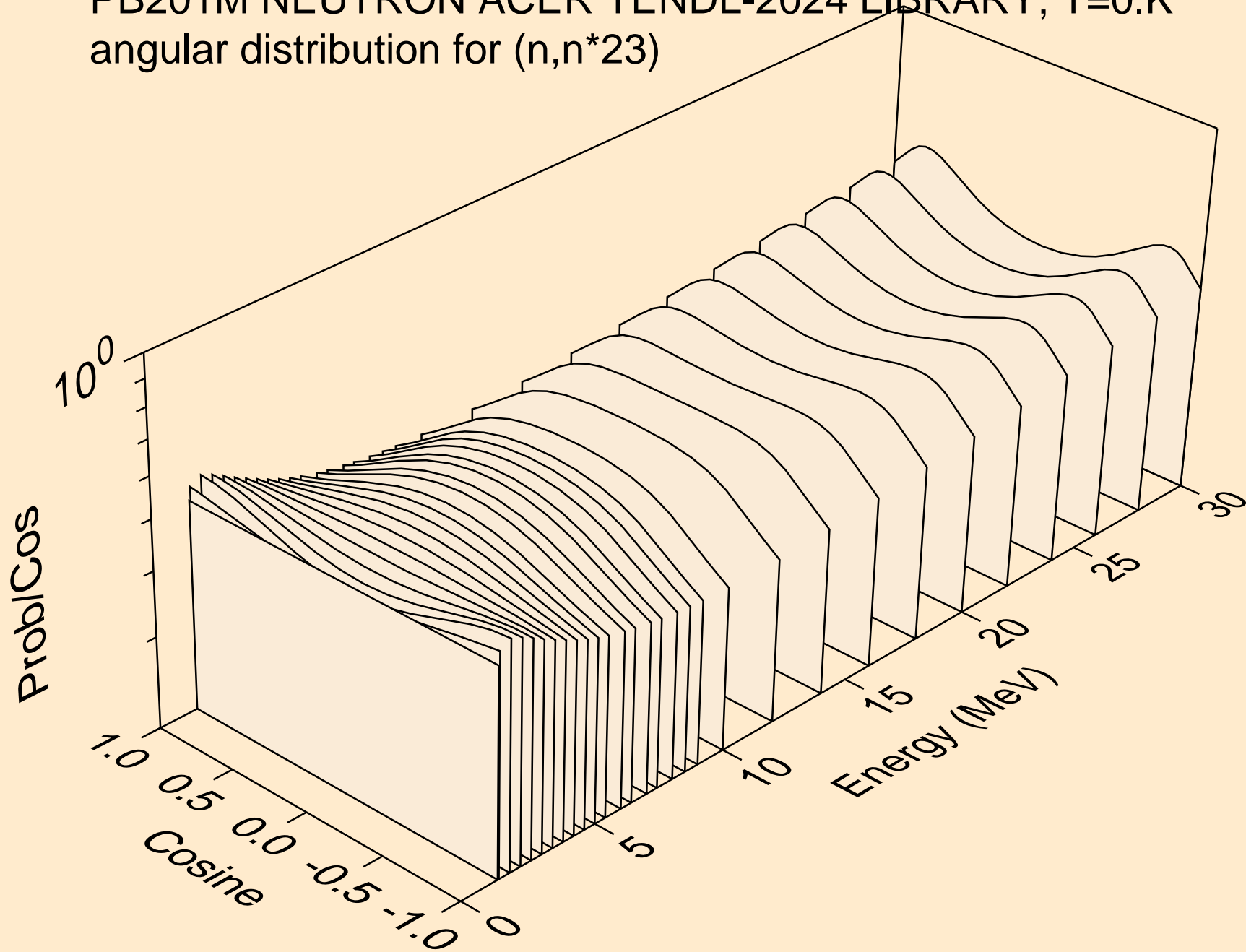
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angular distribution for (n,n\*21)



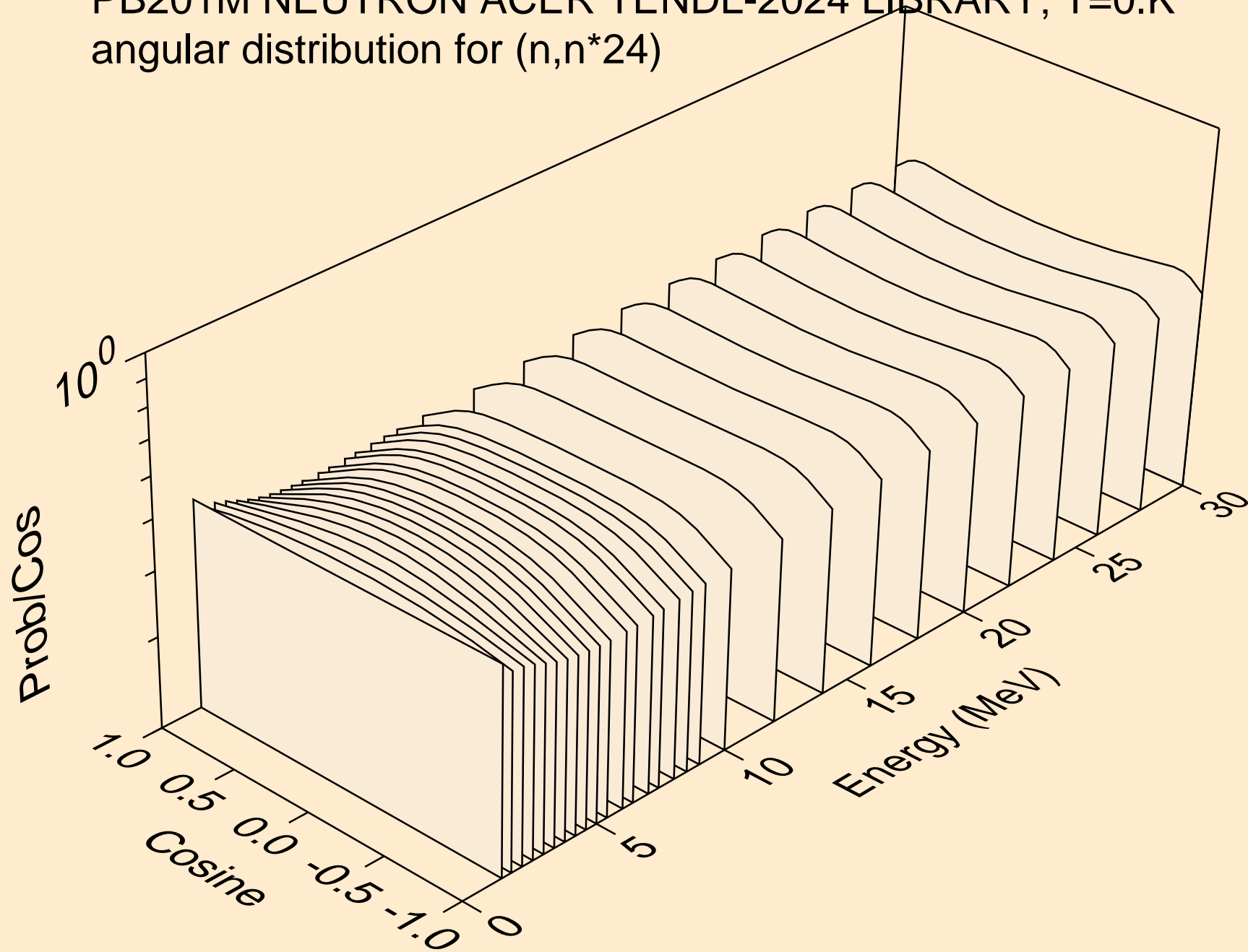
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angular distribution for (n,n\*22)



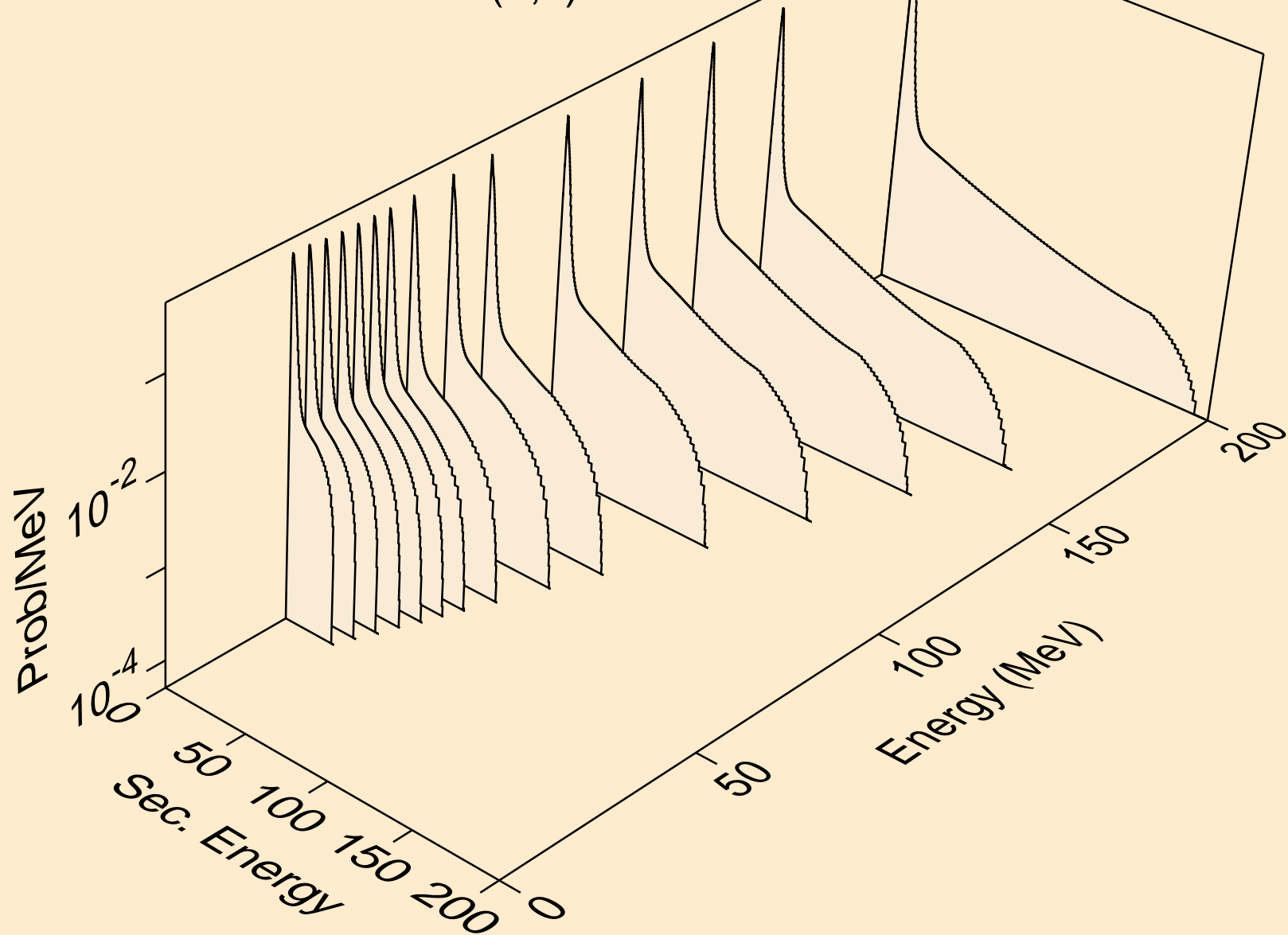
PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*23)



PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)

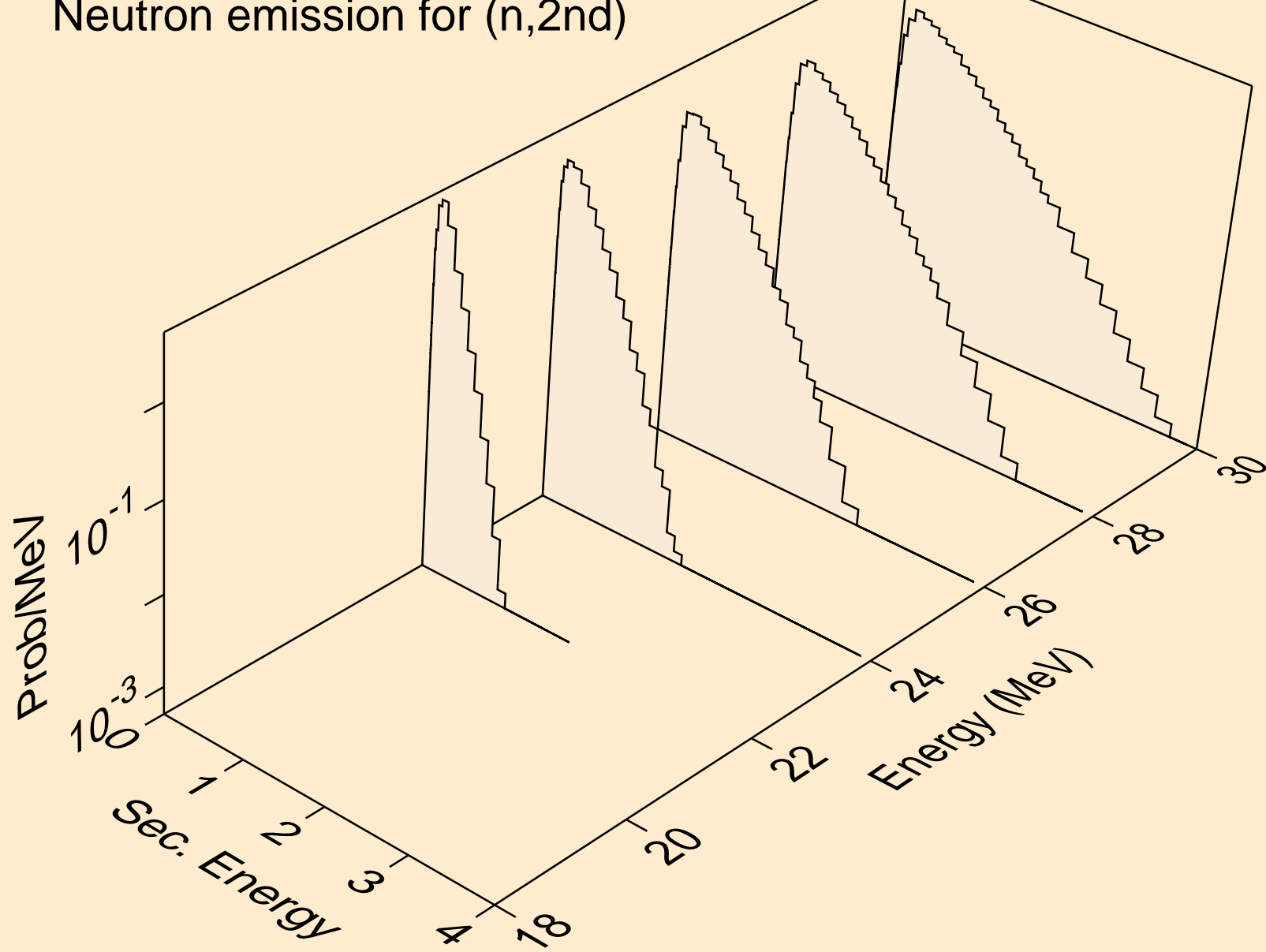


PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)

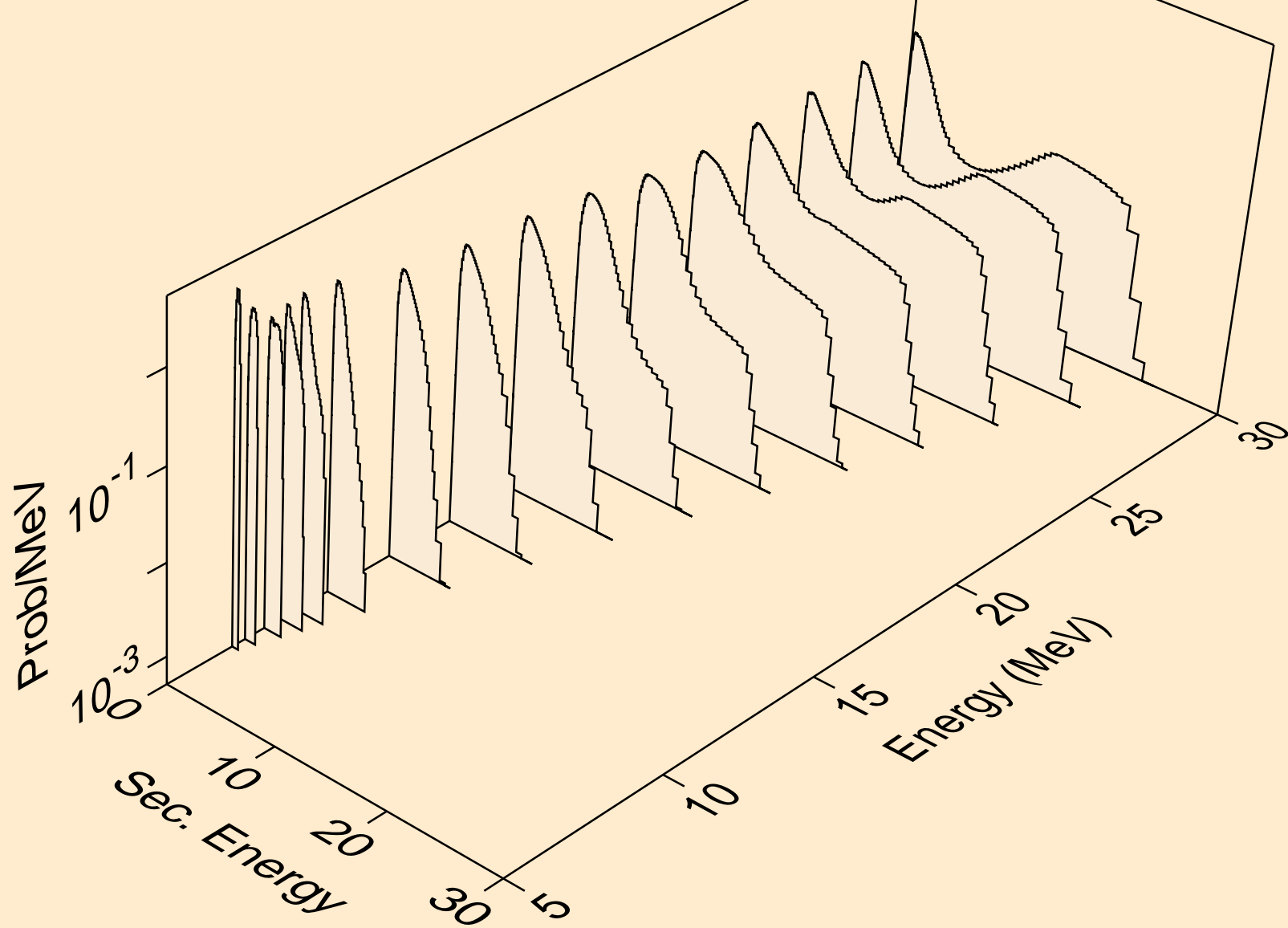




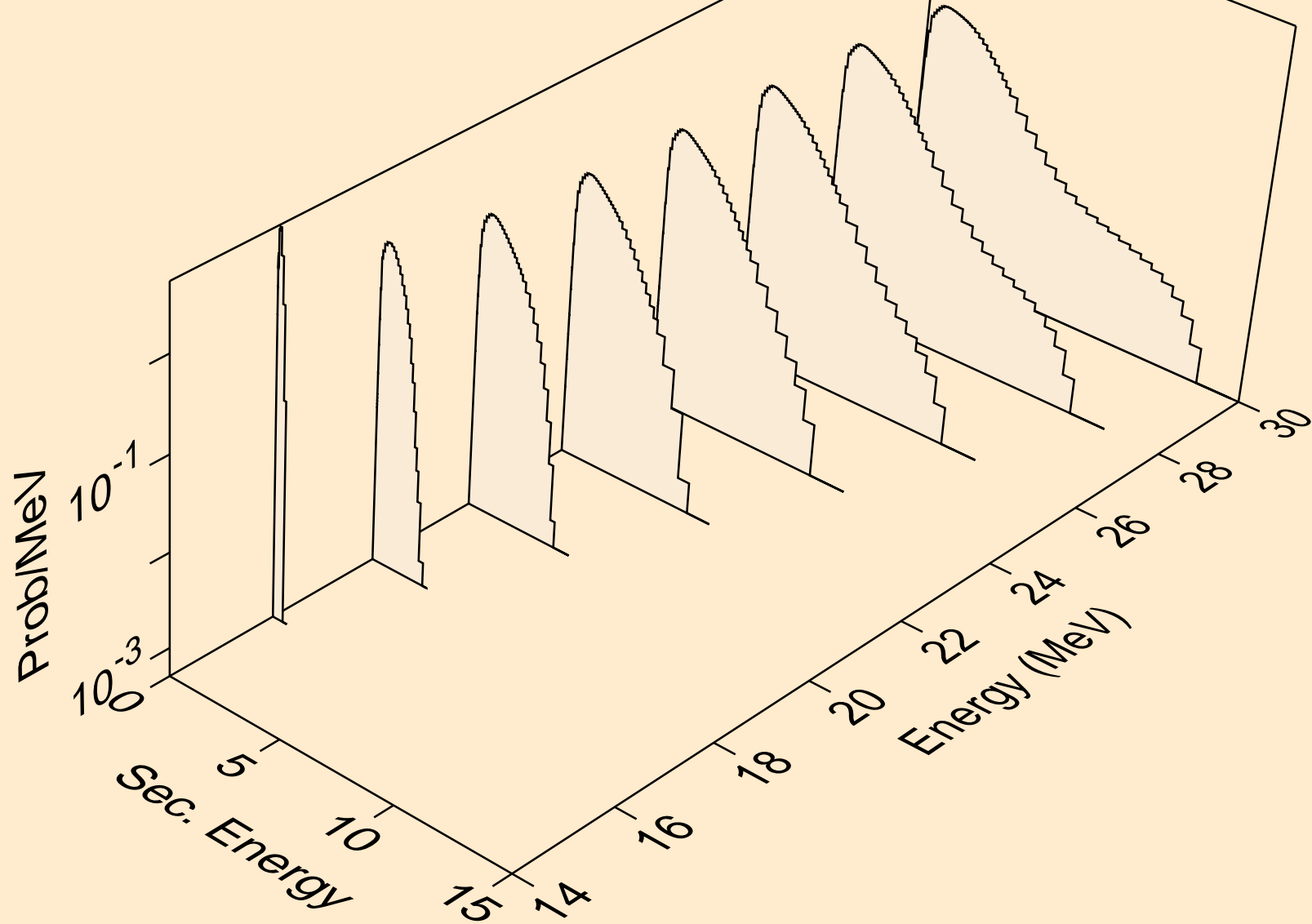
PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



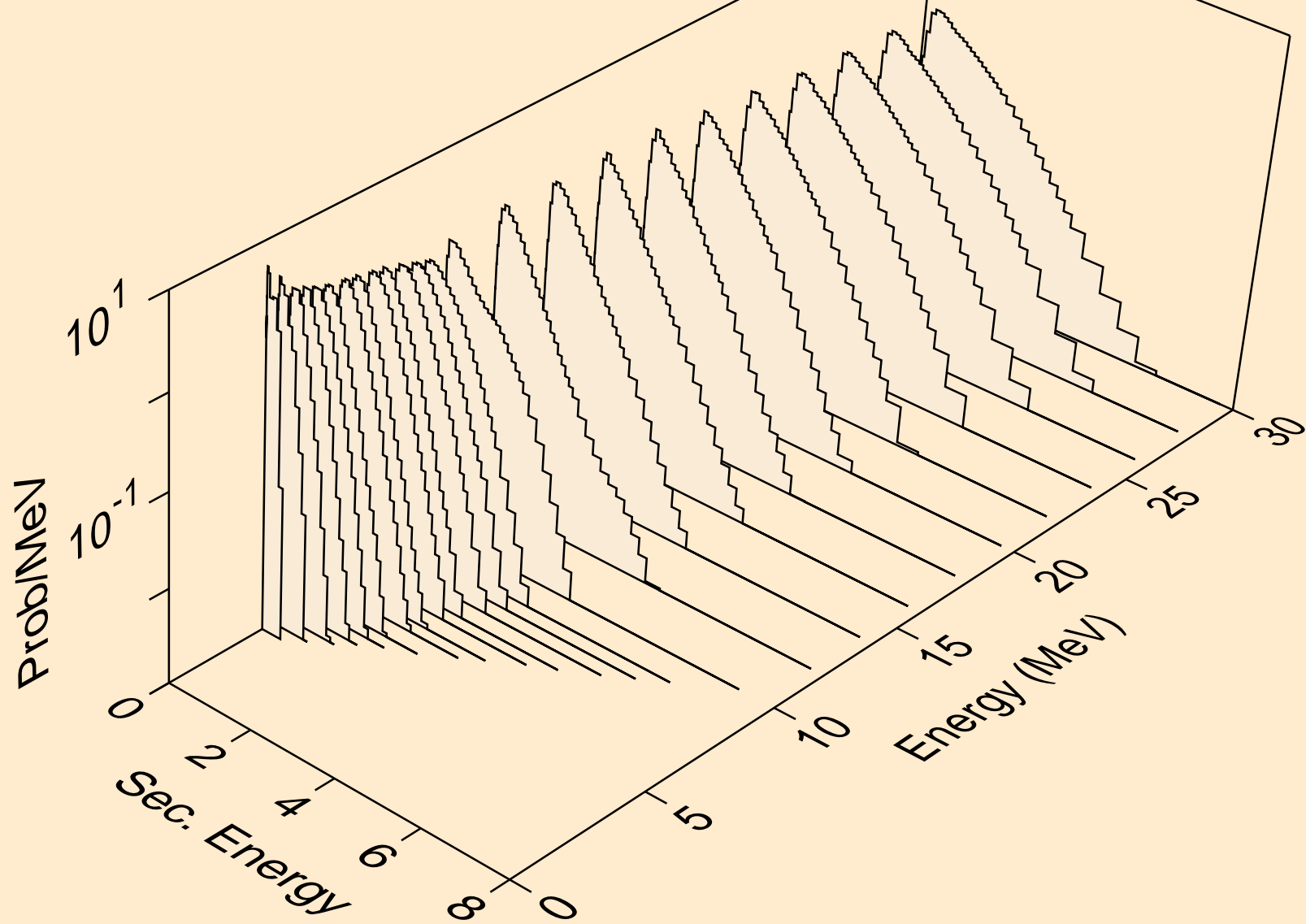
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Neutron emission for (n,2n)



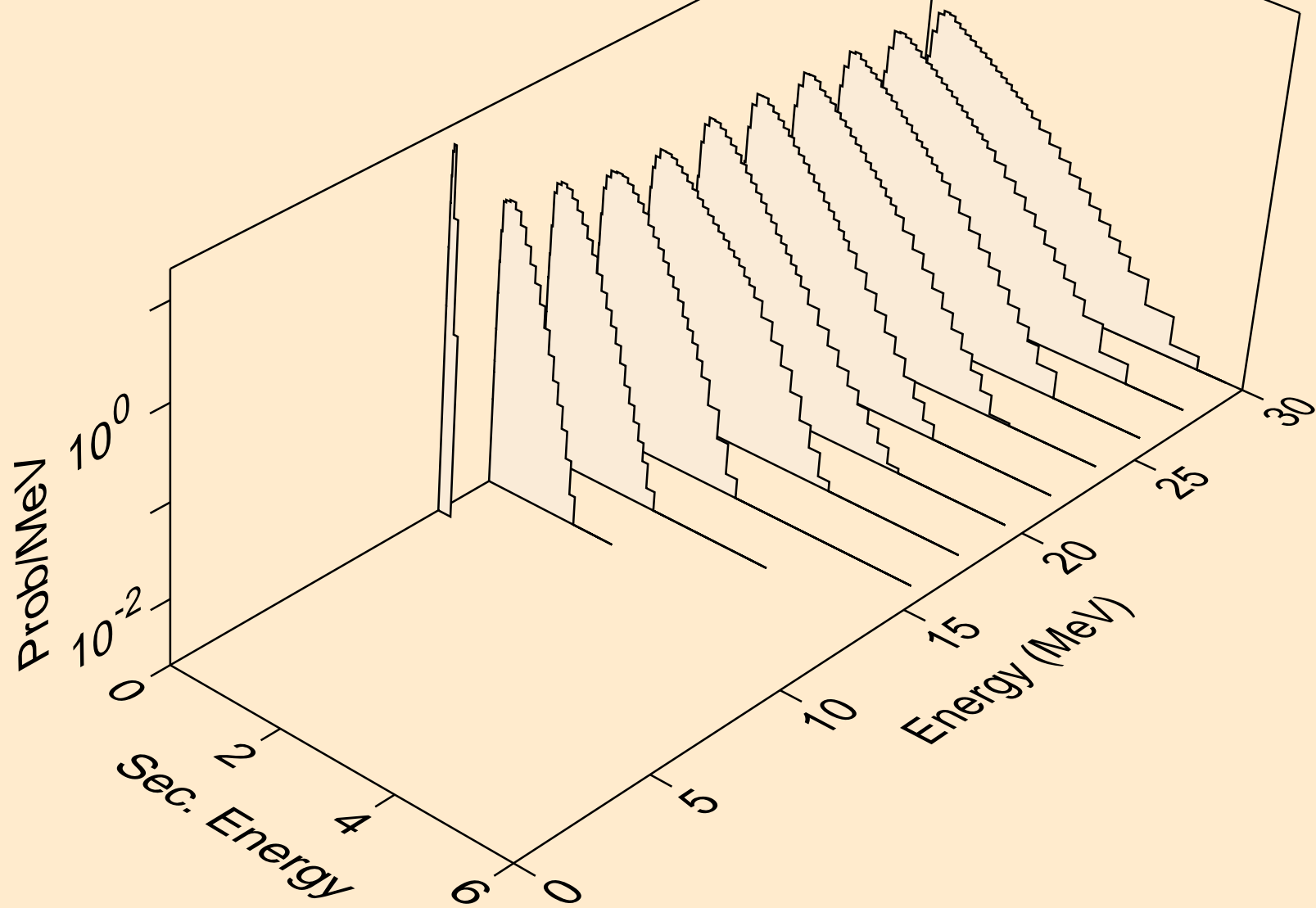
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Neutron emission for (n,3n)



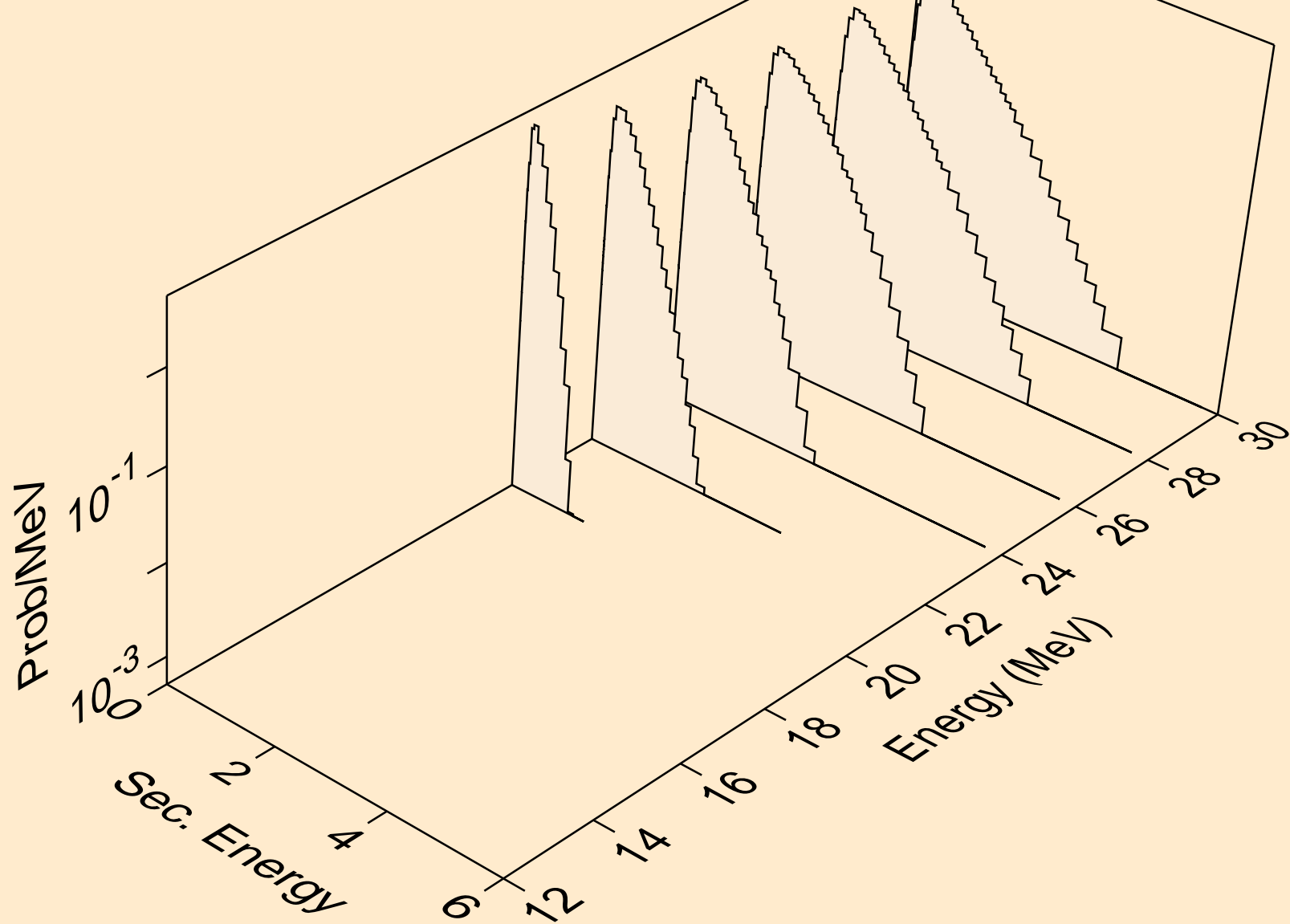
PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



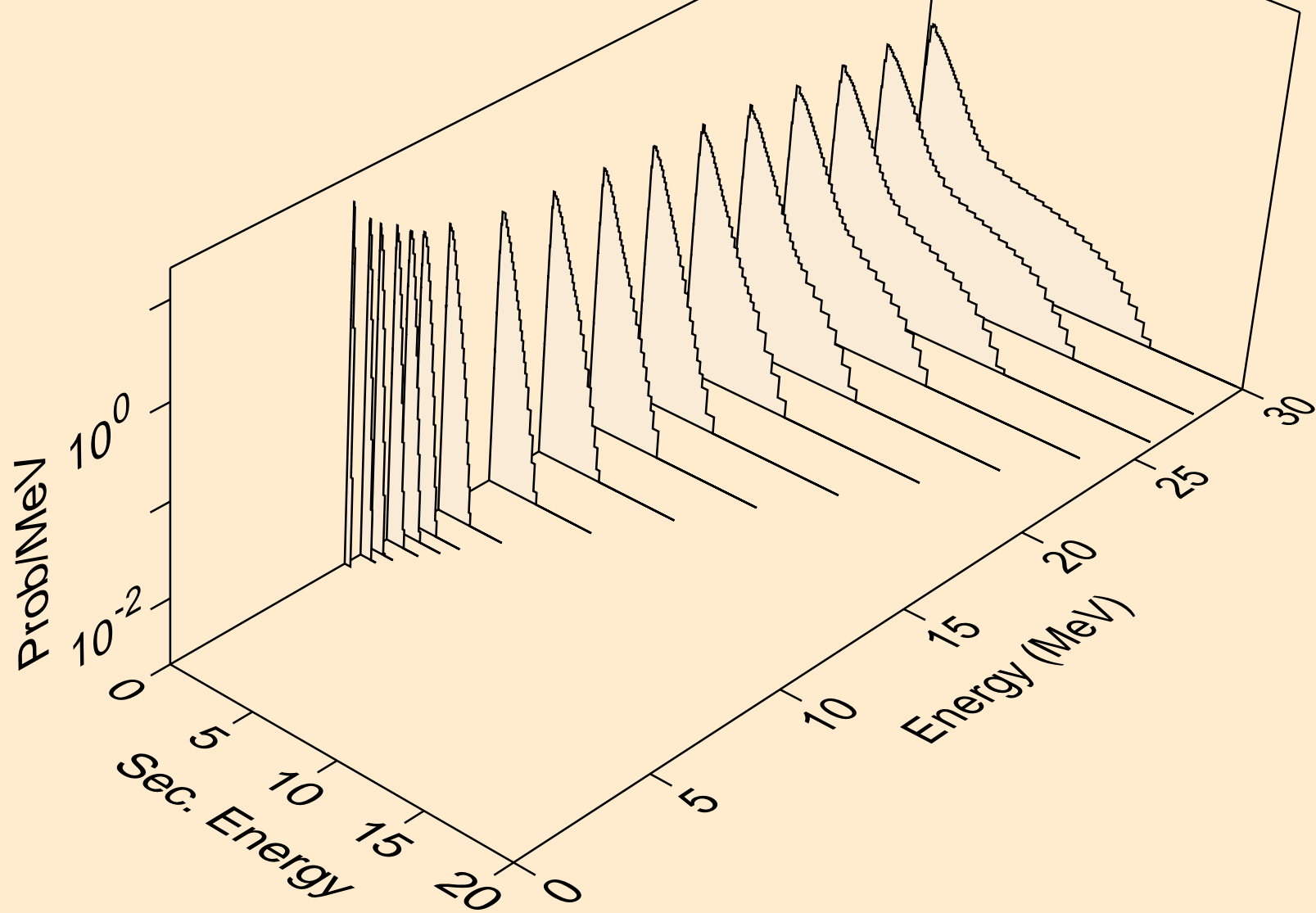
PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



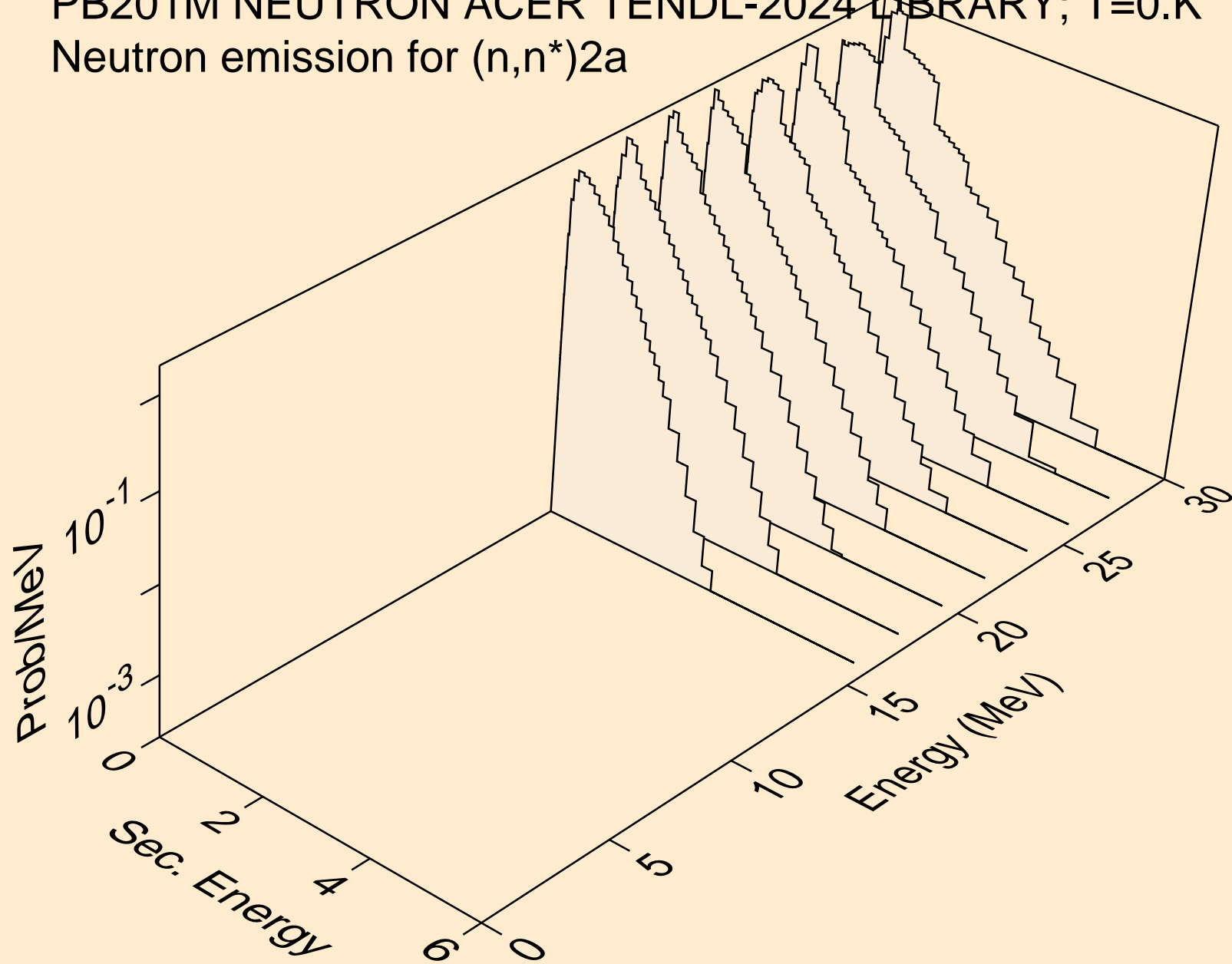
PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

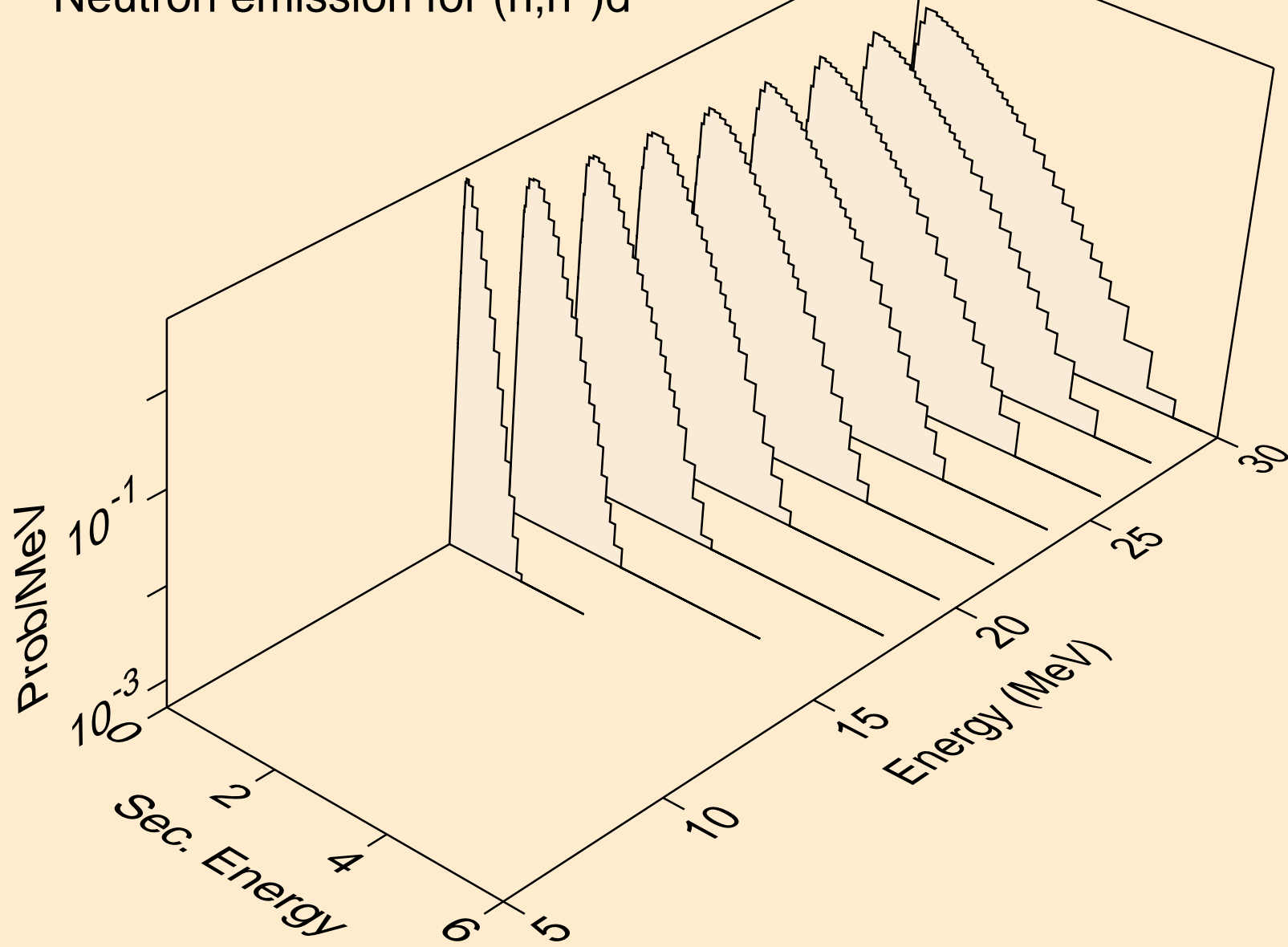


PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a

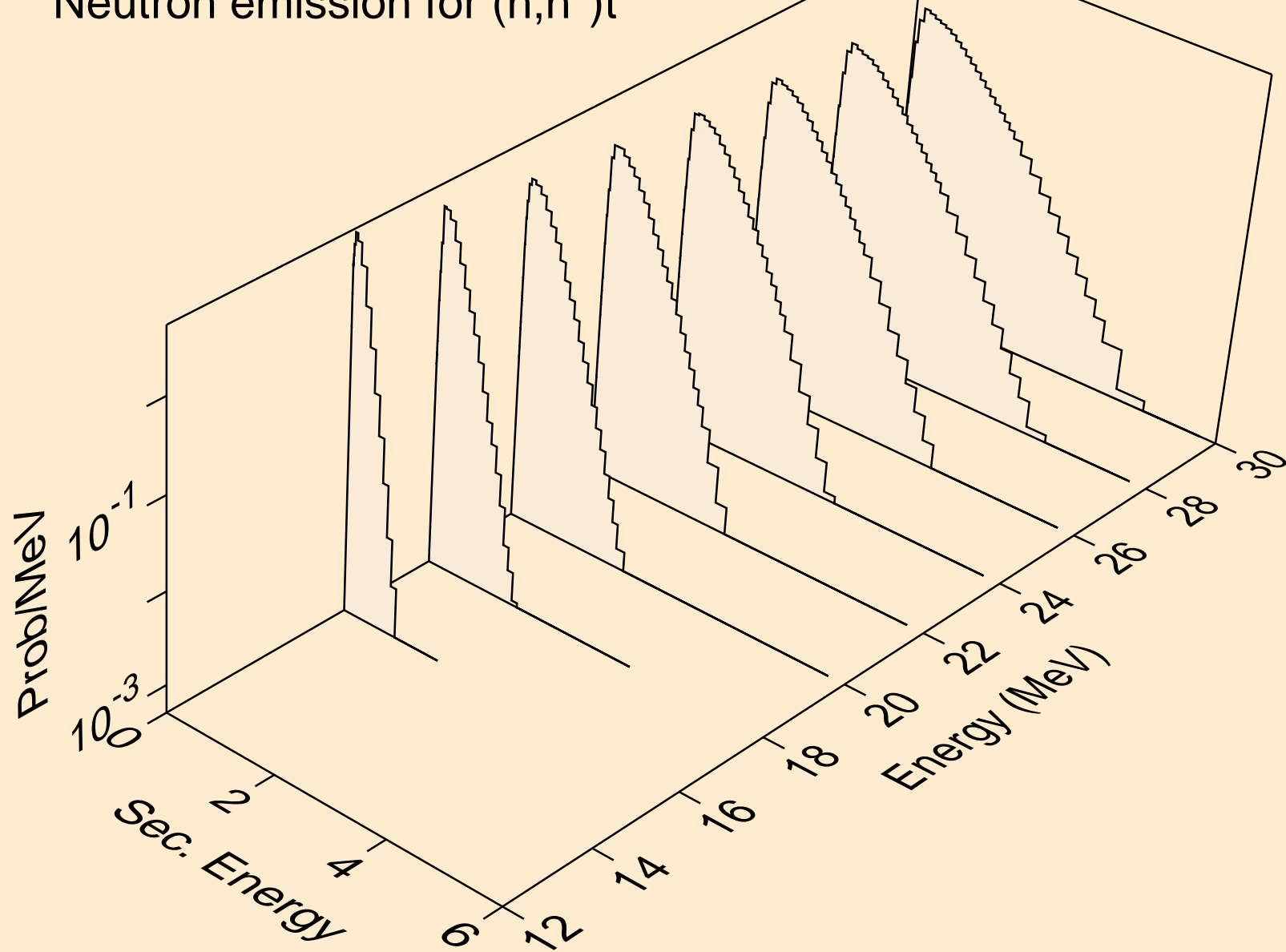




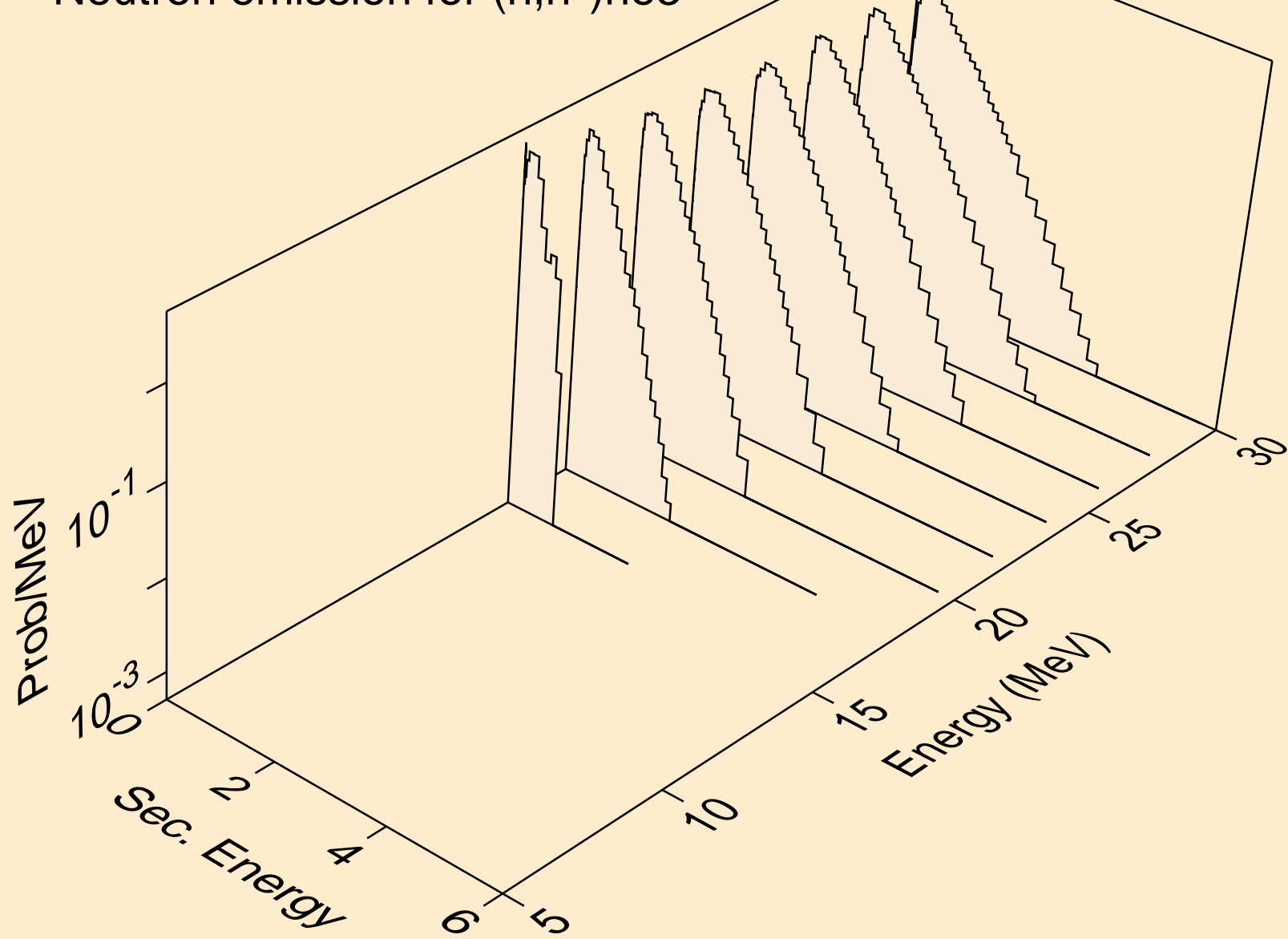
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Neutron emission for (n,n\*)d



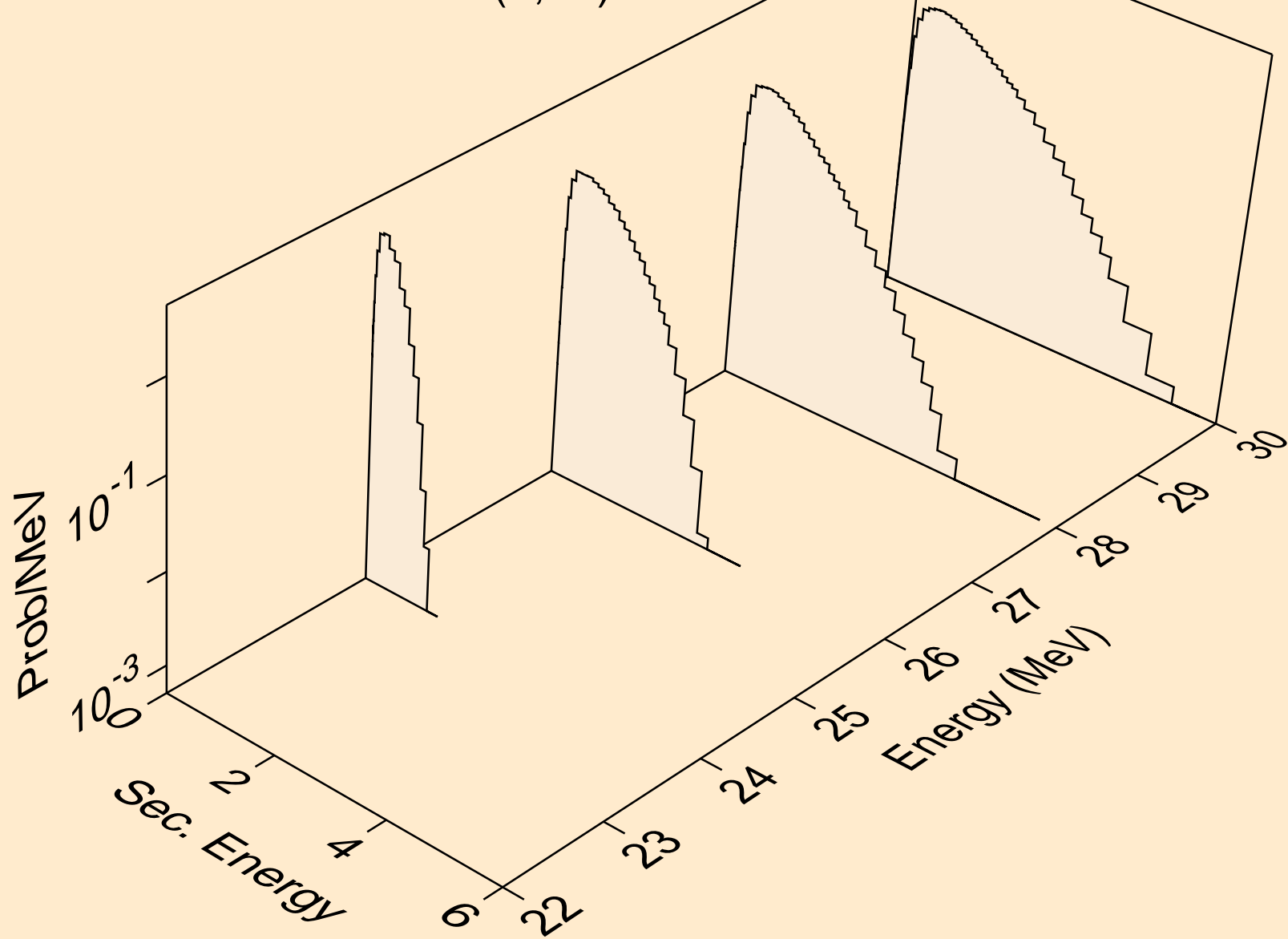
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Neutron emission for (n,n\*)t



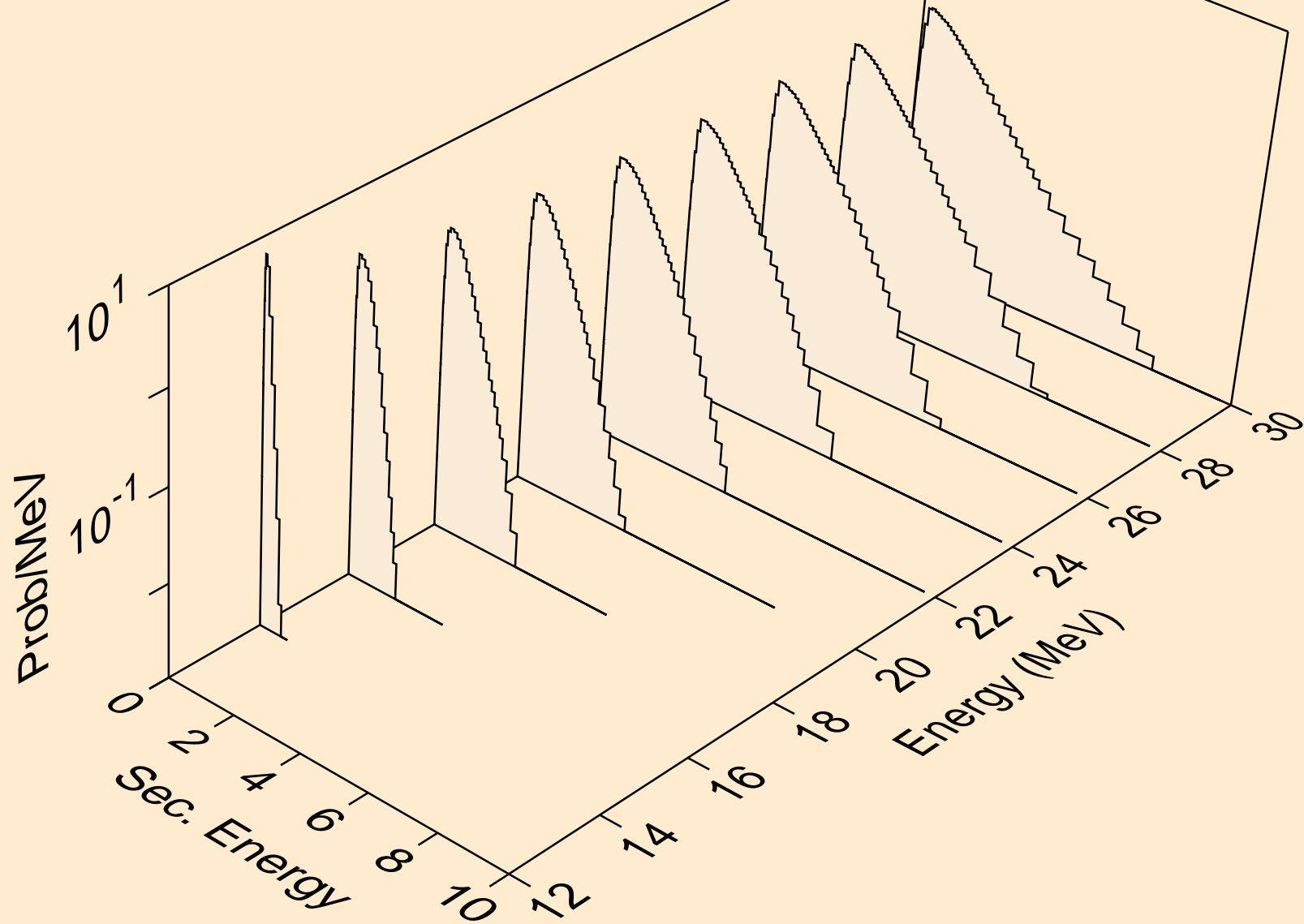
PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



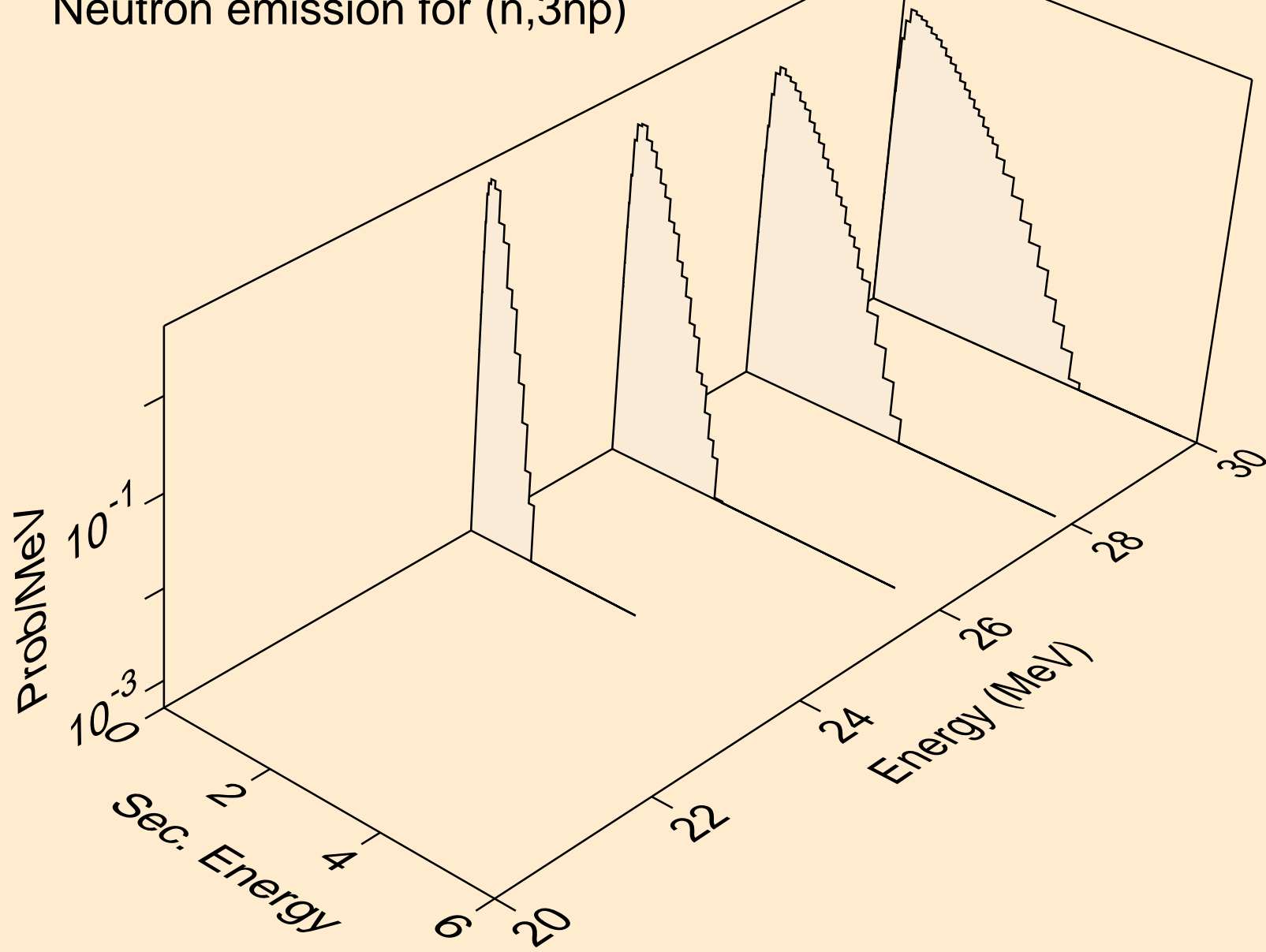
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Neutron emission for (n,4n)



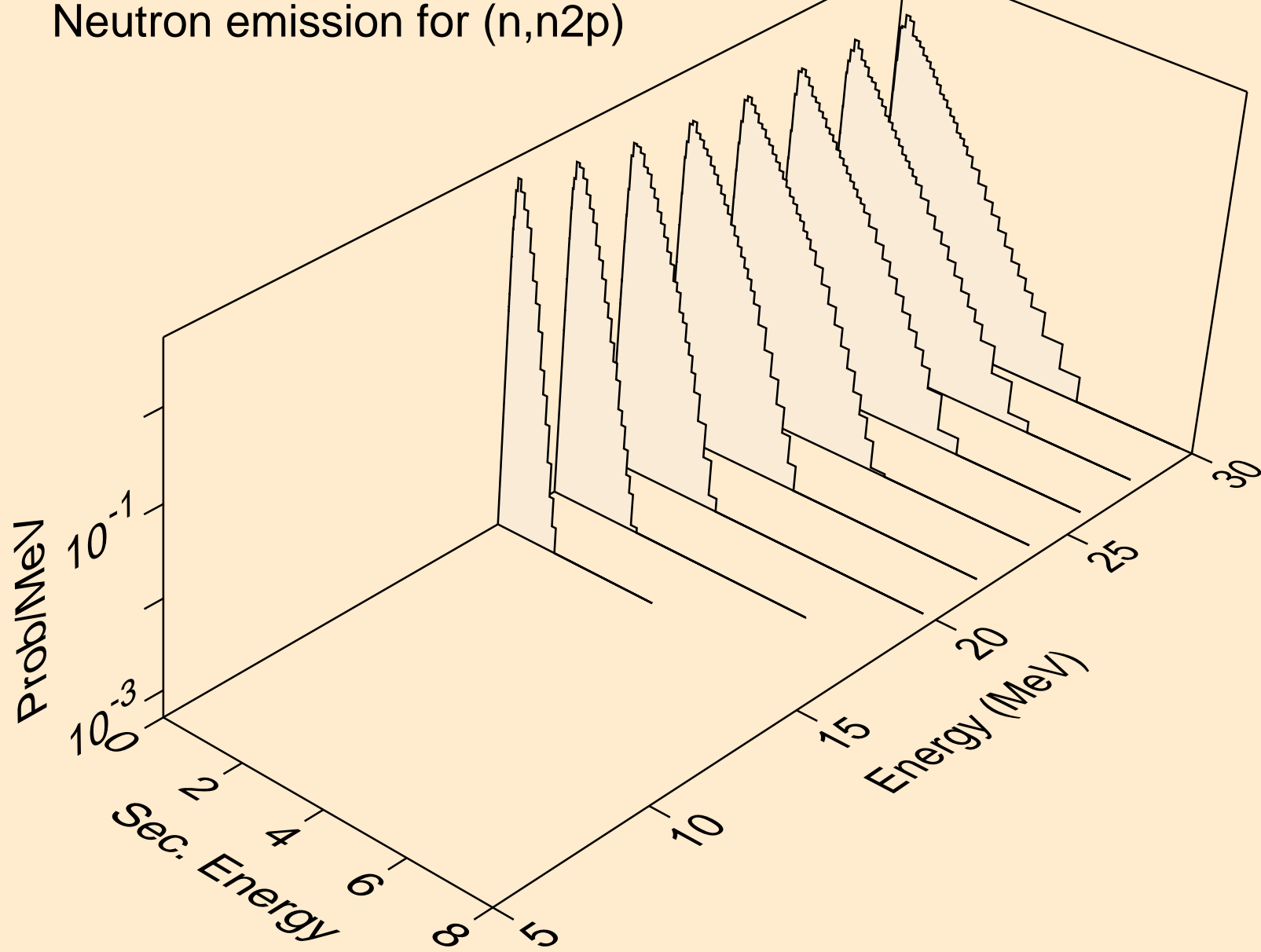
PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



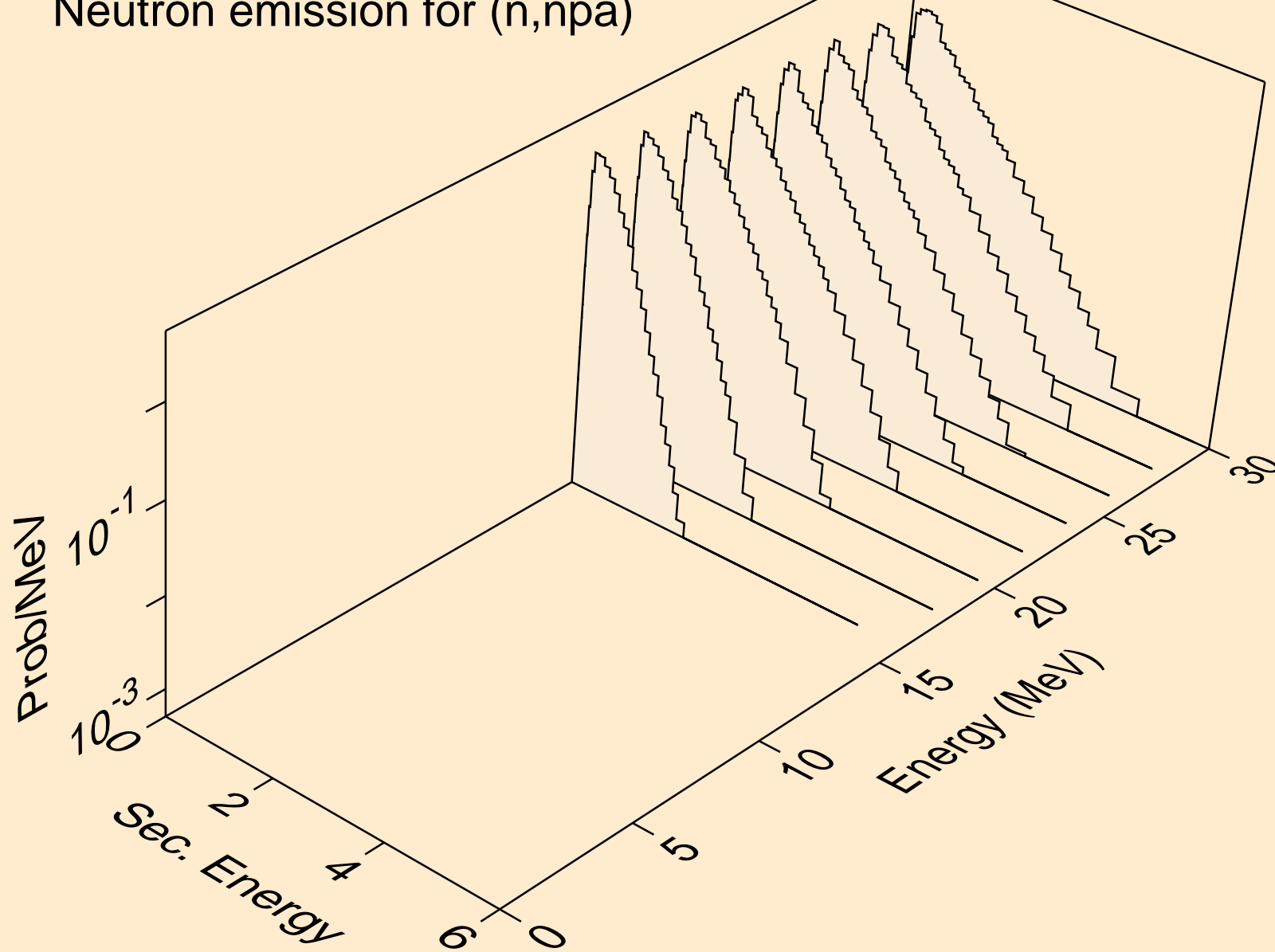
PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)



PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)

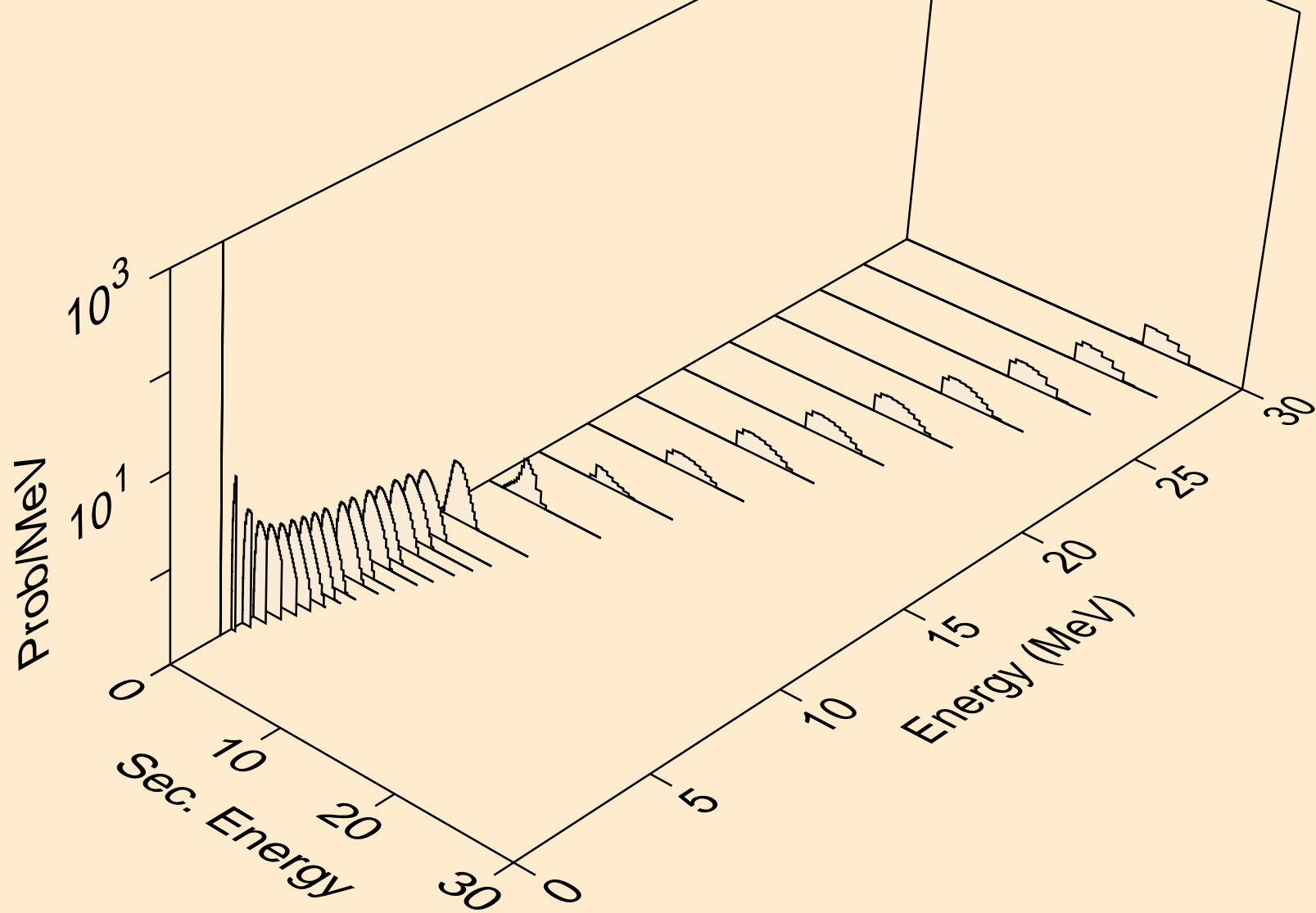


PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)

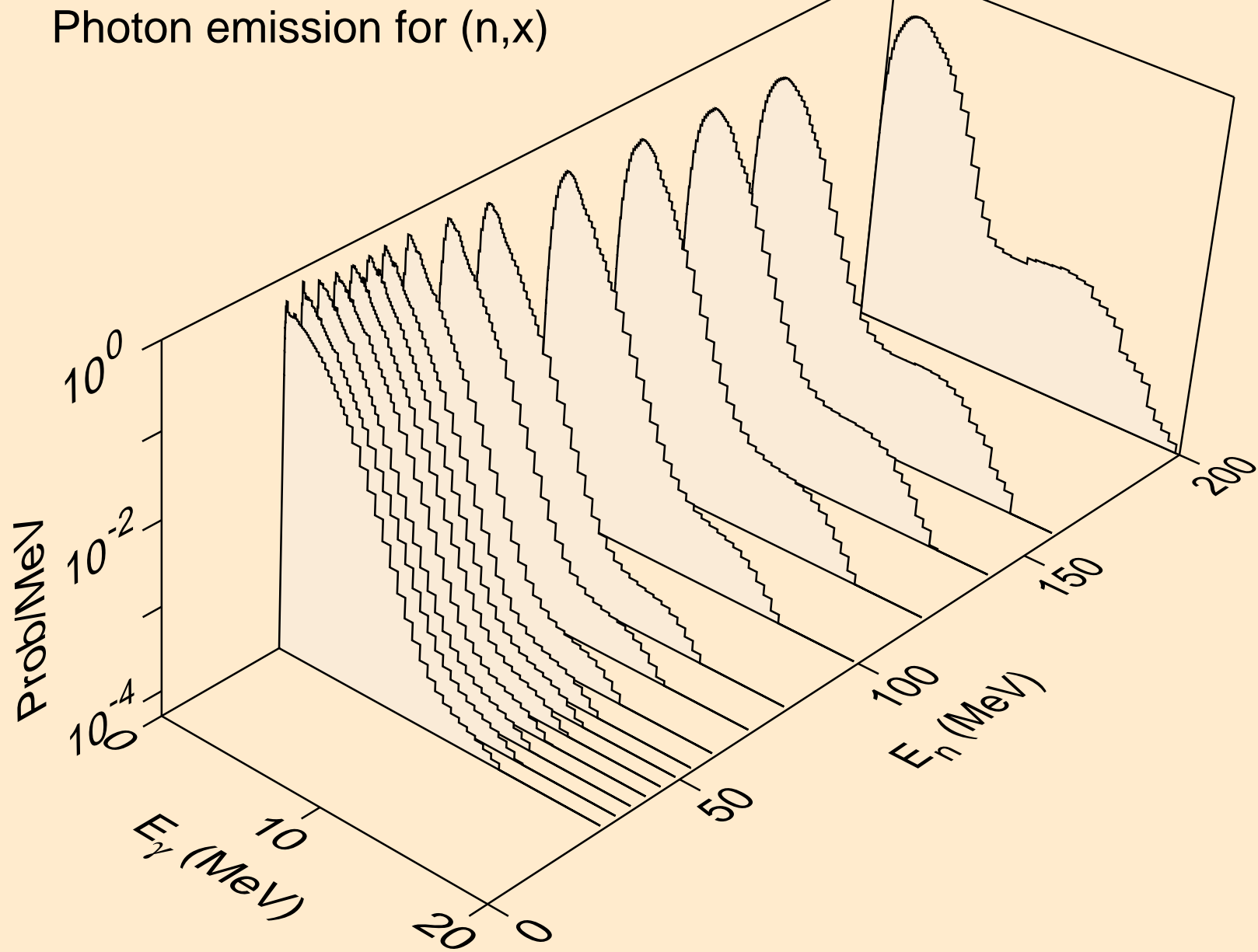




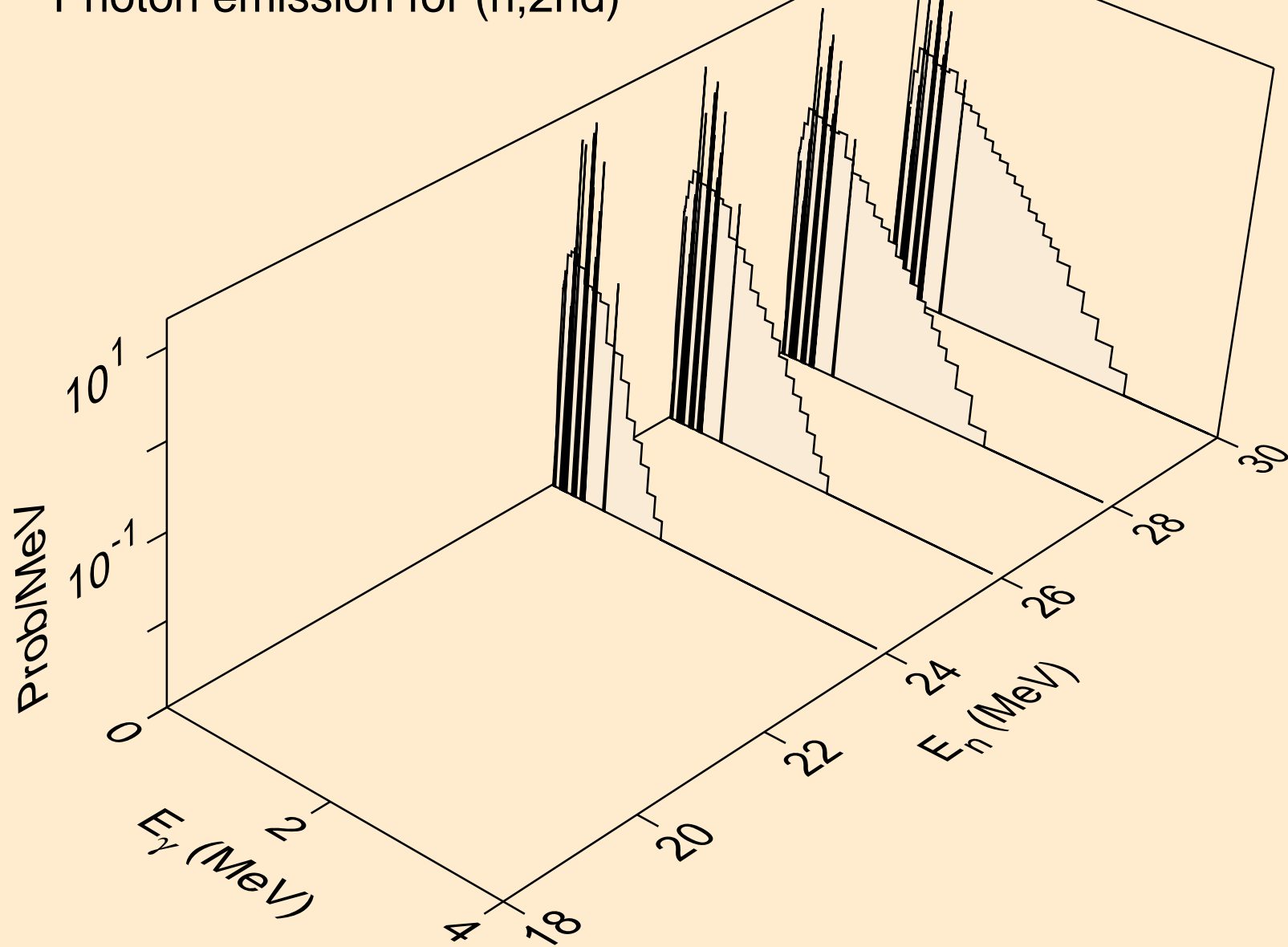
PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



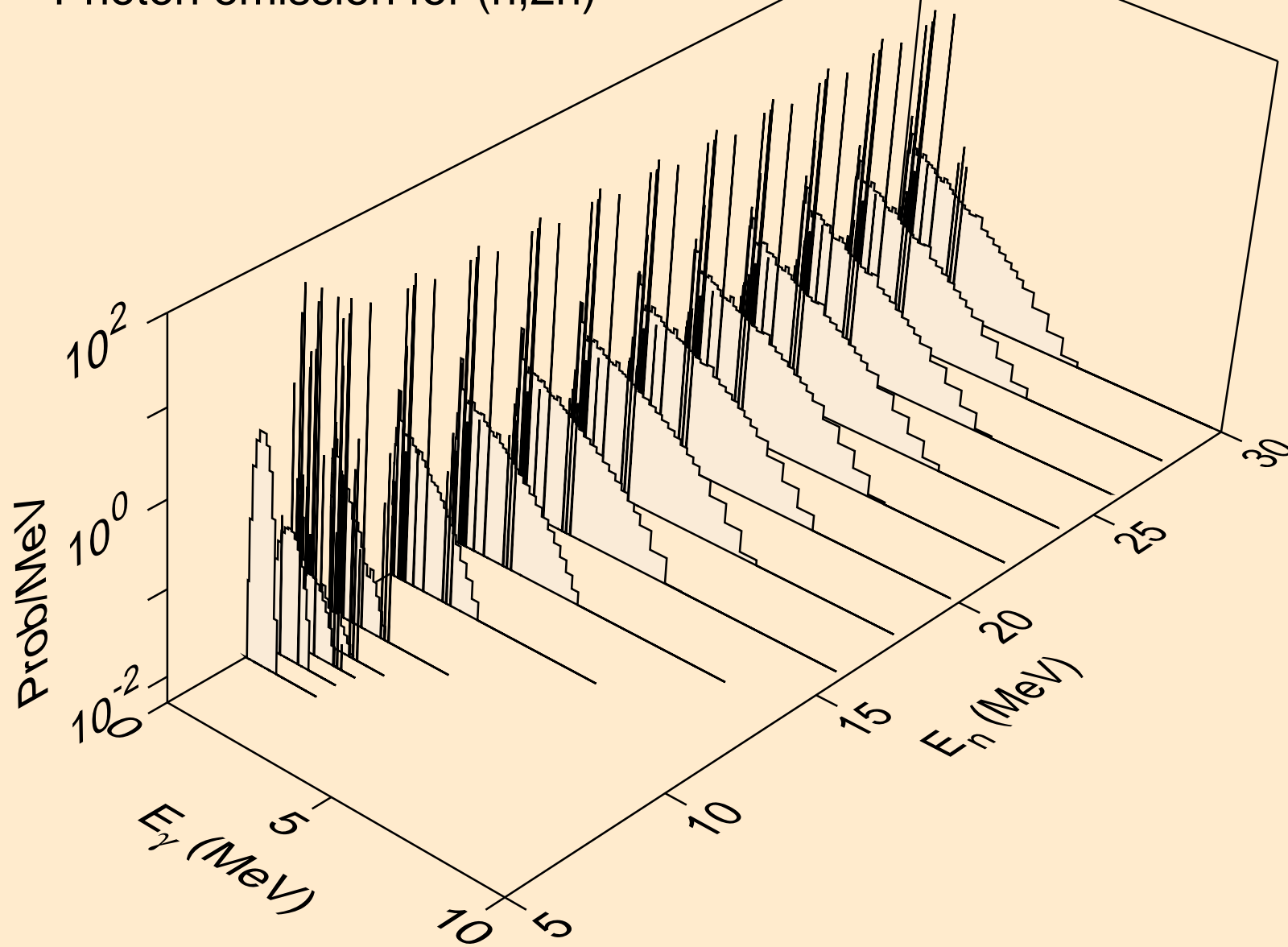
PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



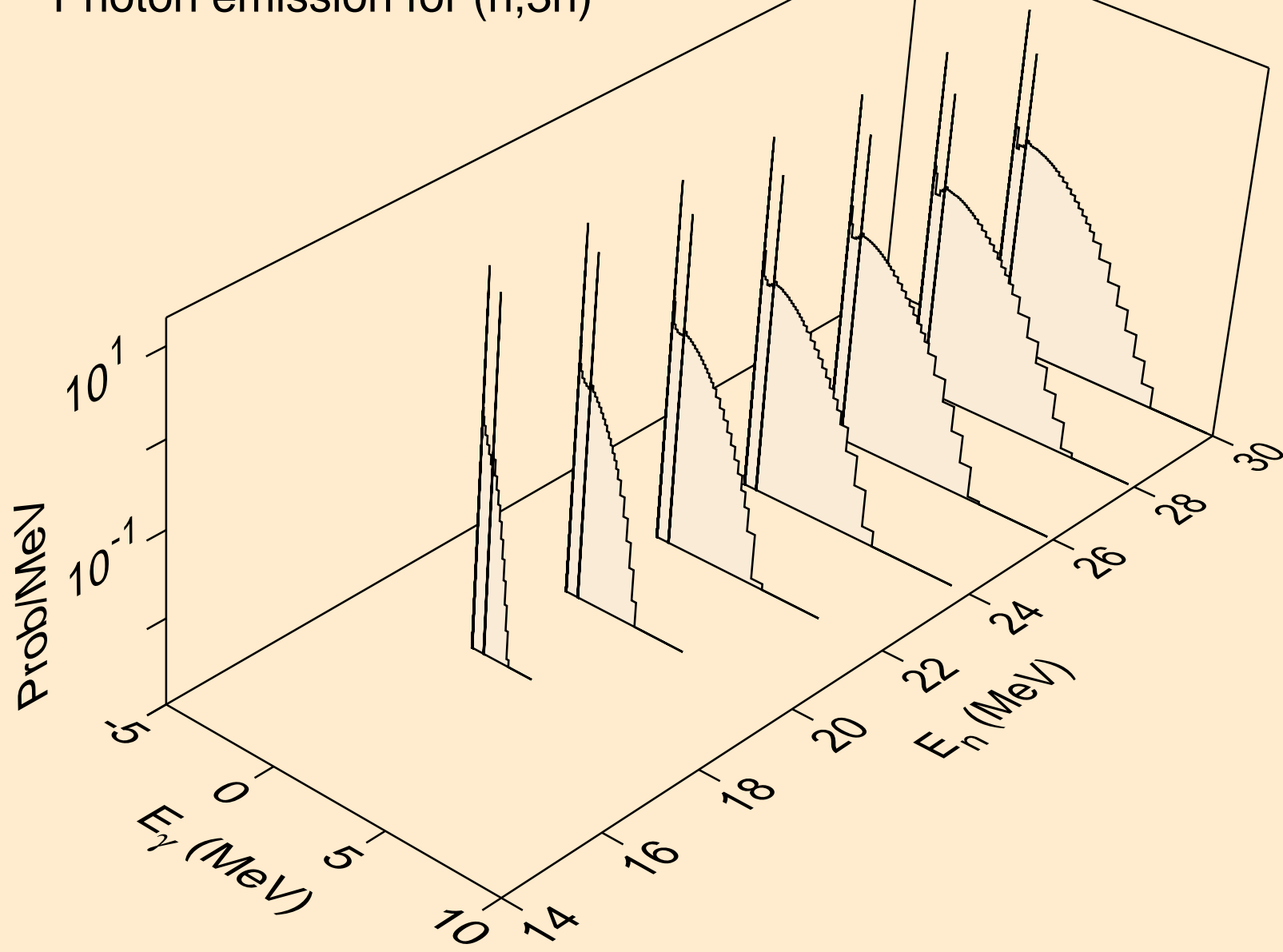
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Photon emission for (n,2nd)



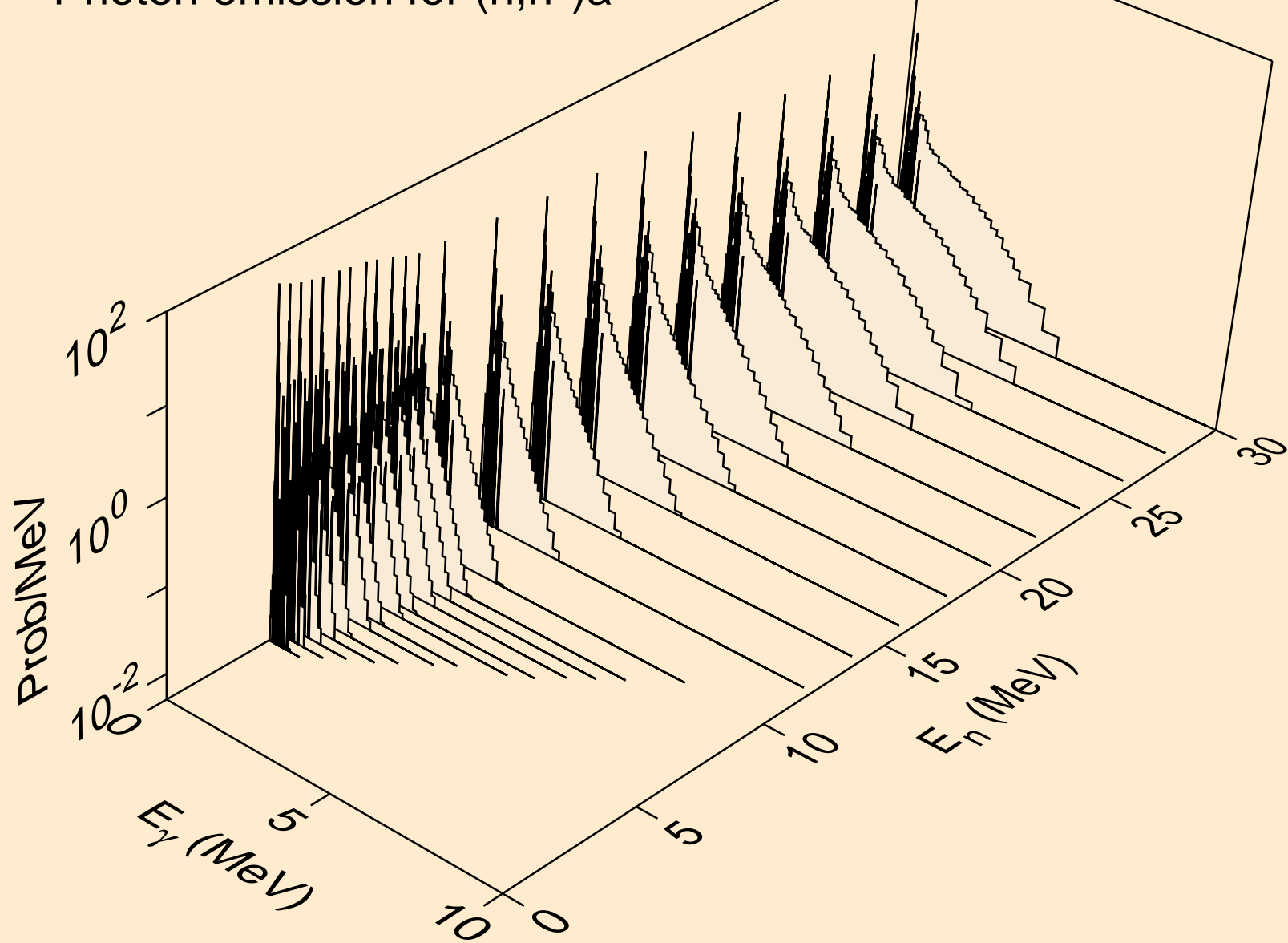
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Photon emission for (n,2n)



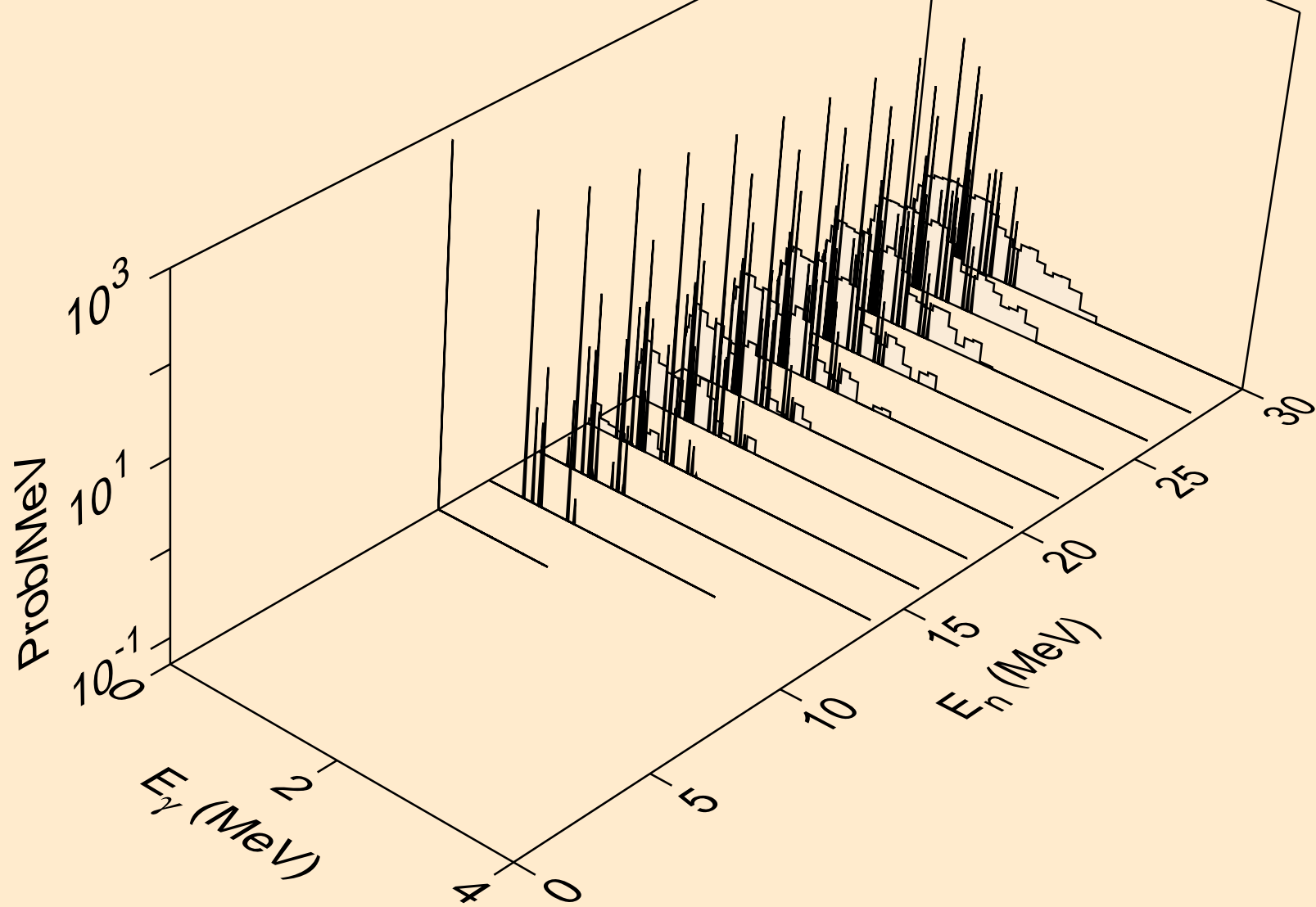
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Photon emission for (n,3n)



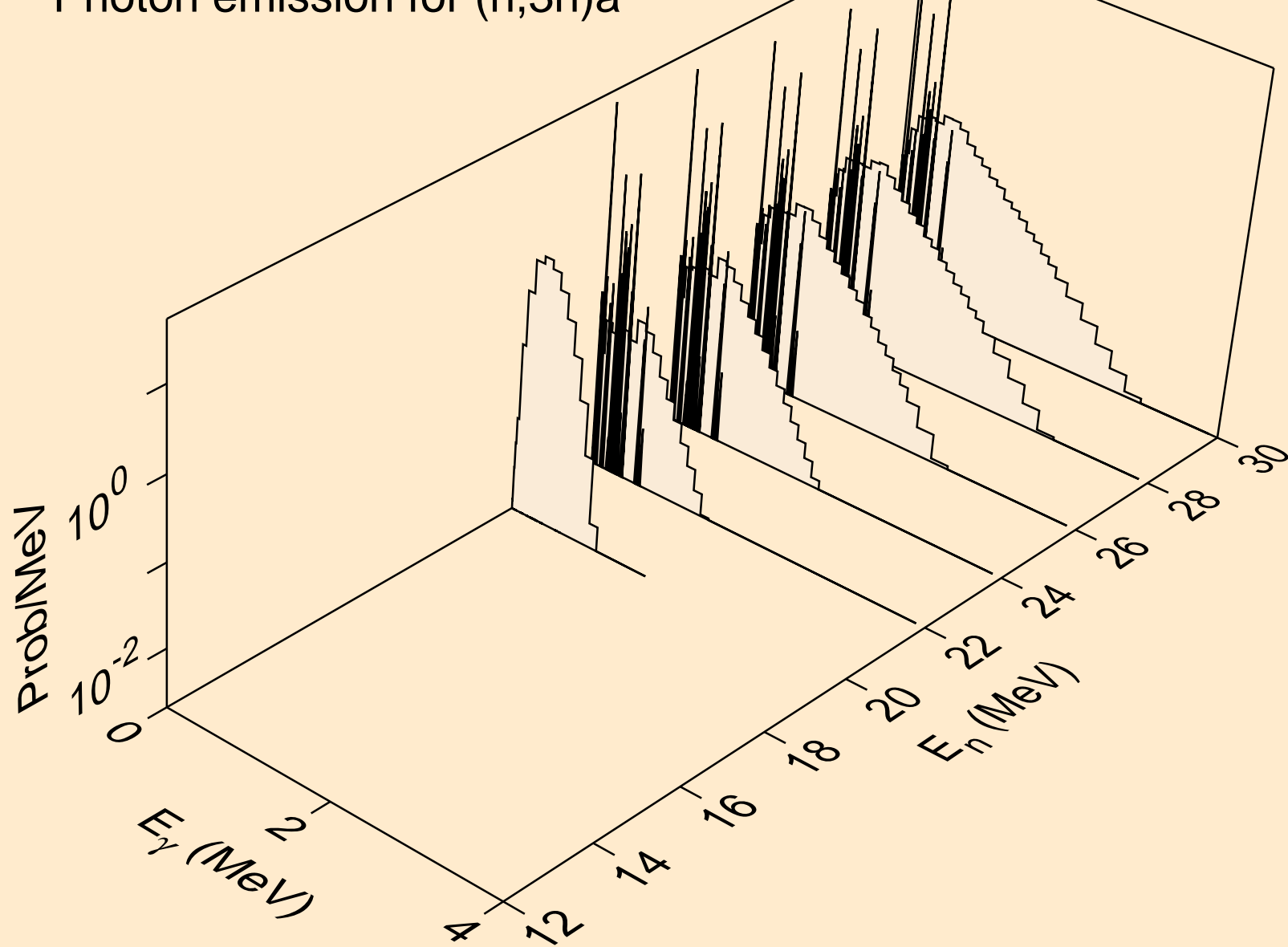
PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a

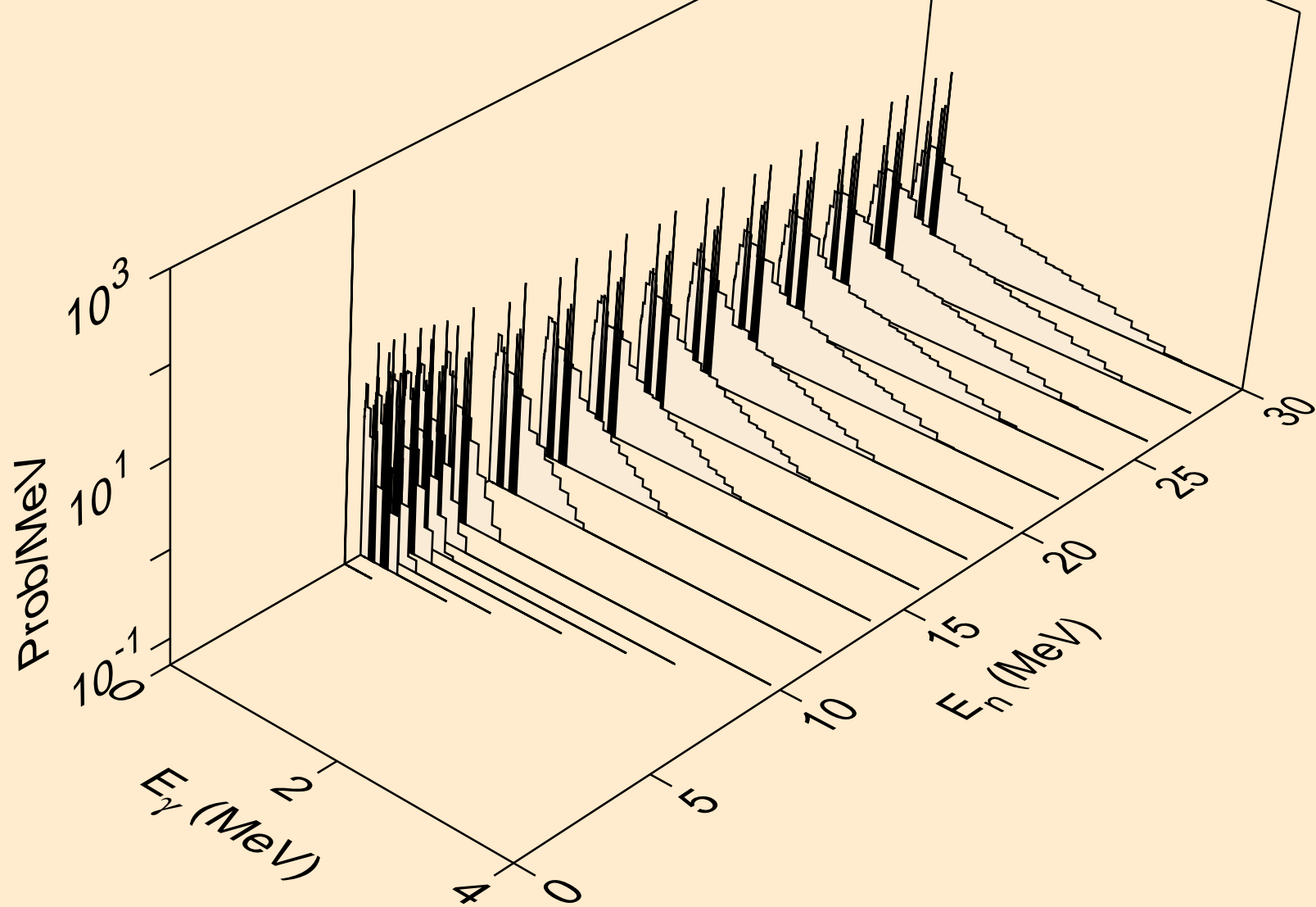


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Photon emission for (n,3n)a

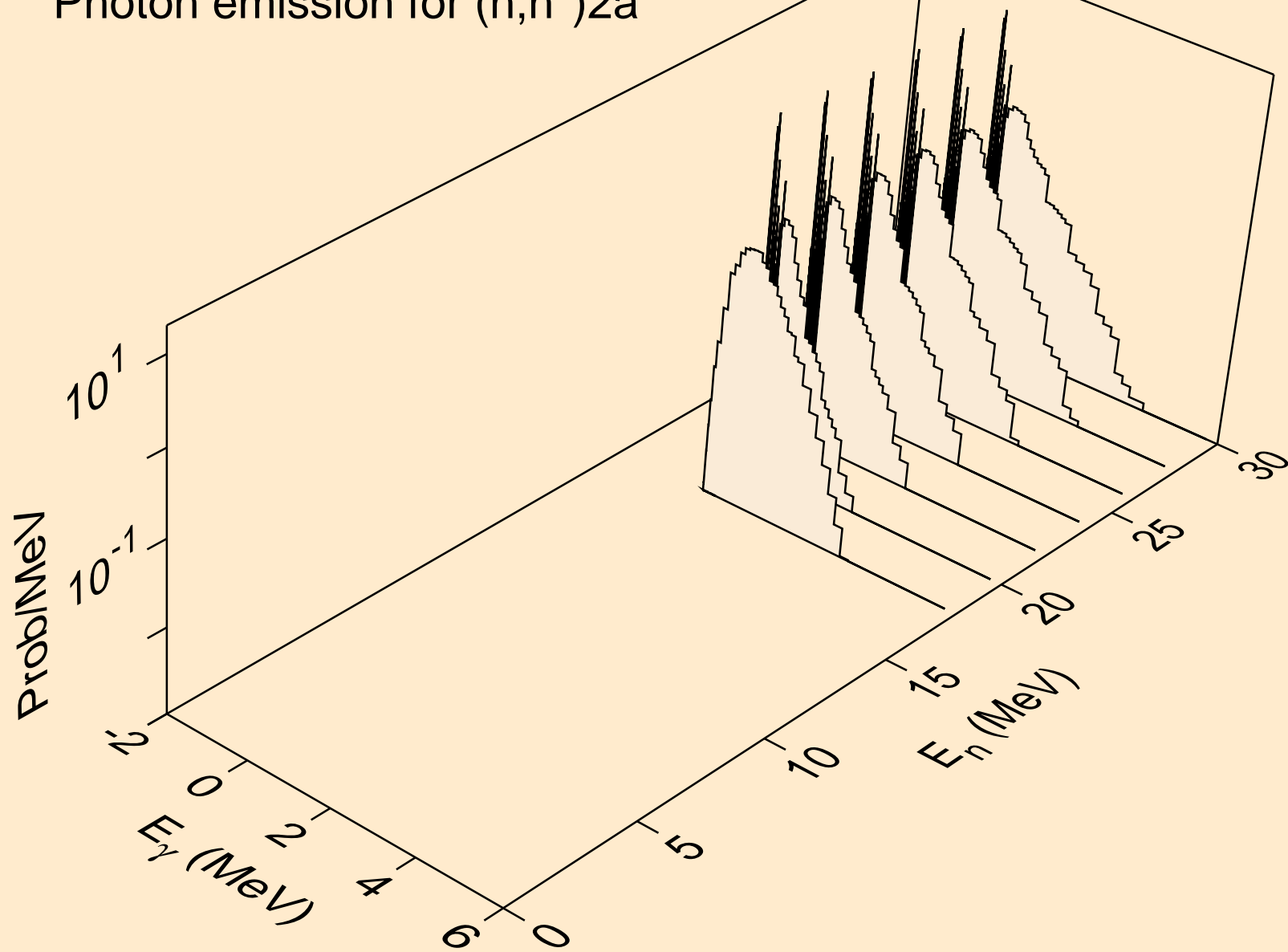




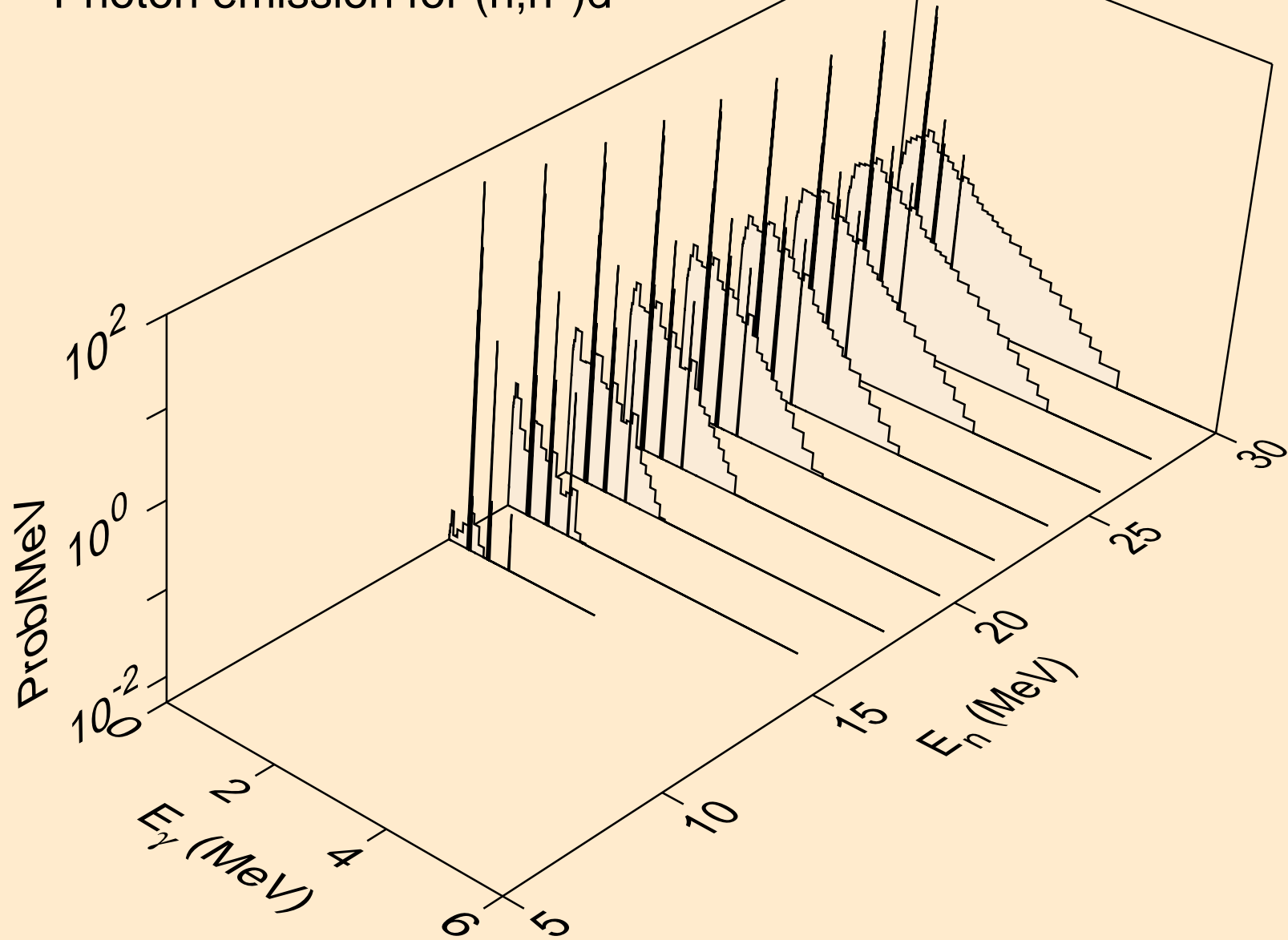
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Photon emission for (n,n\*)p



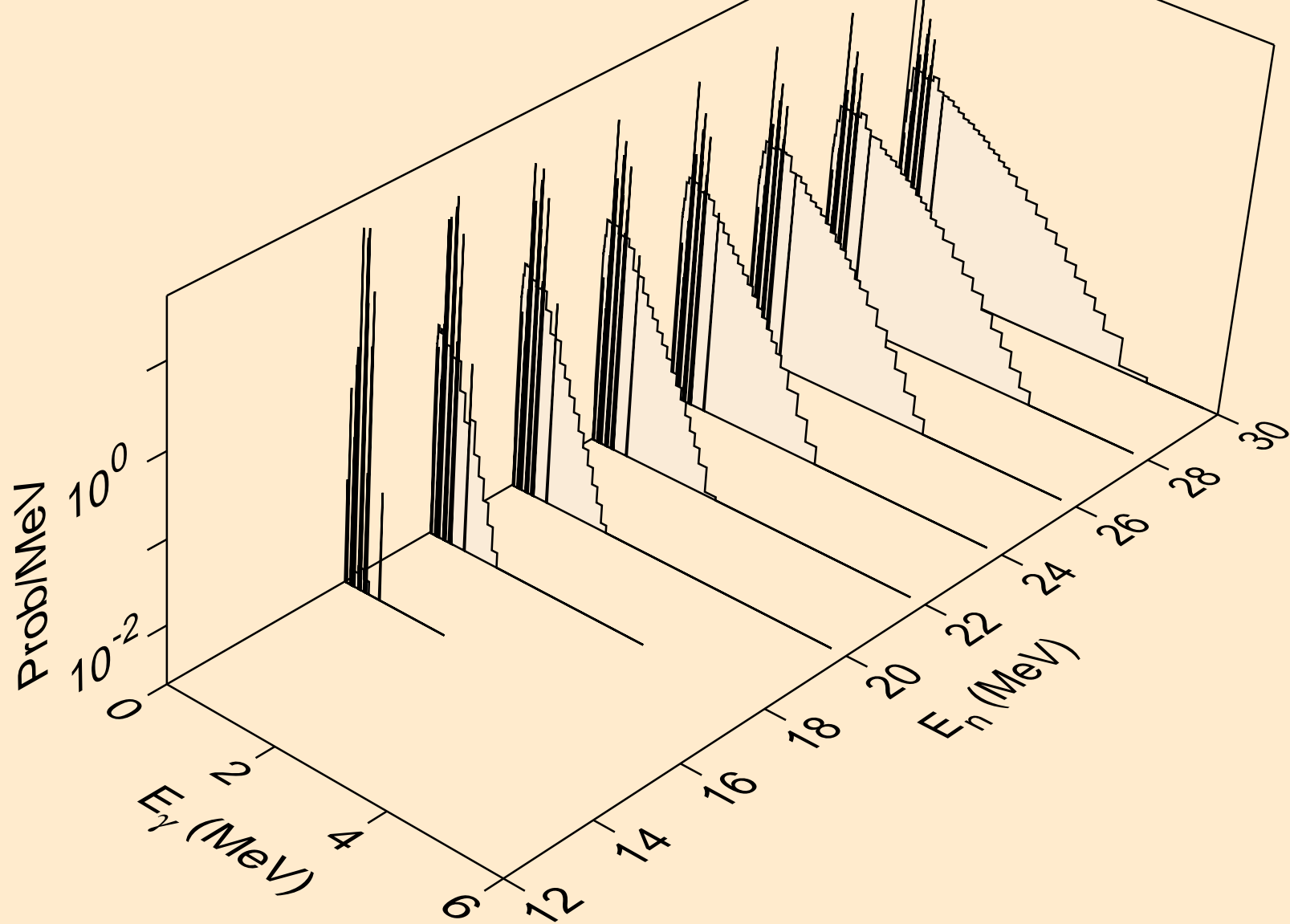
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Photon emission for (n,n\*)2a



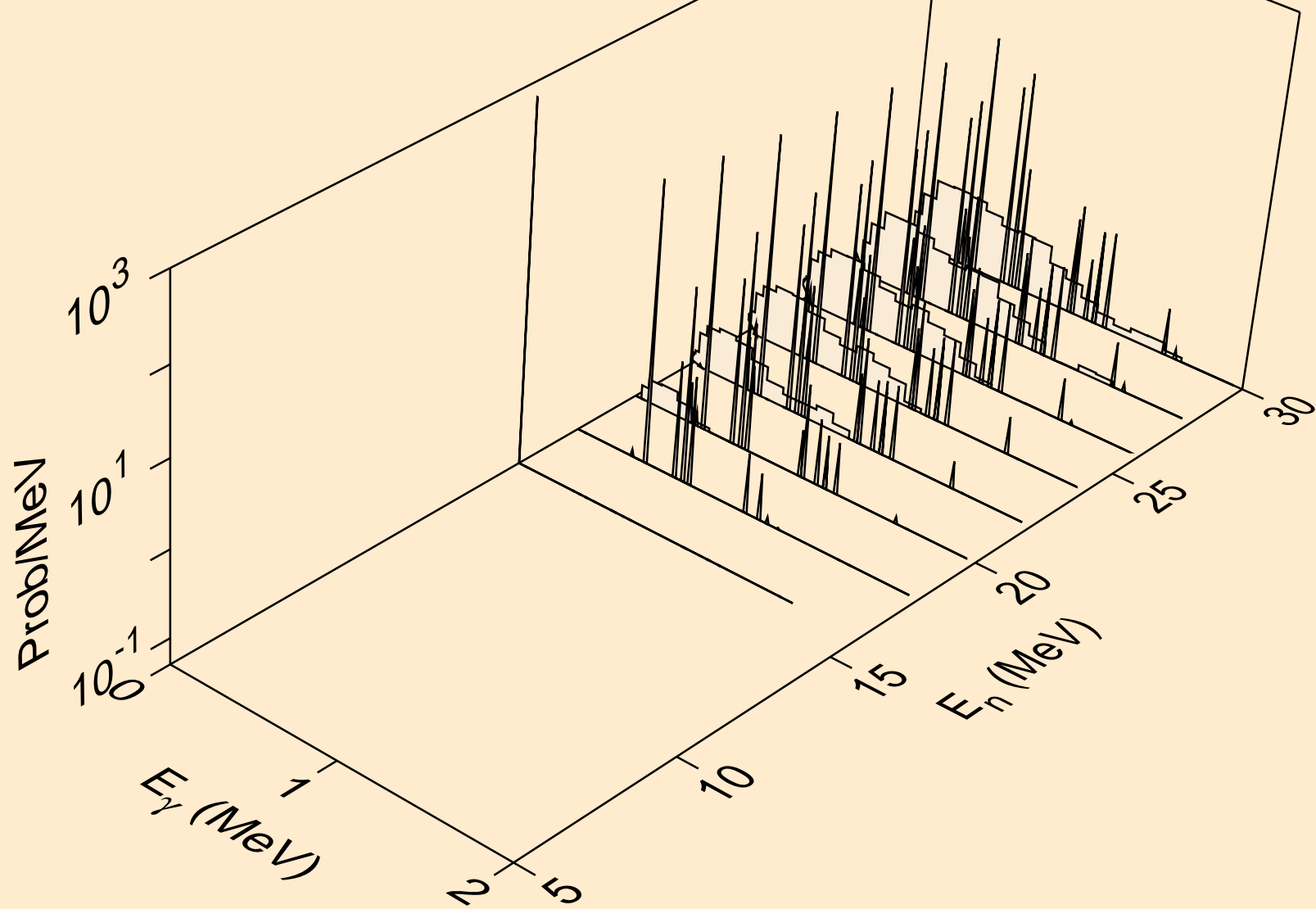
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Photon emission for (n,n\*)d



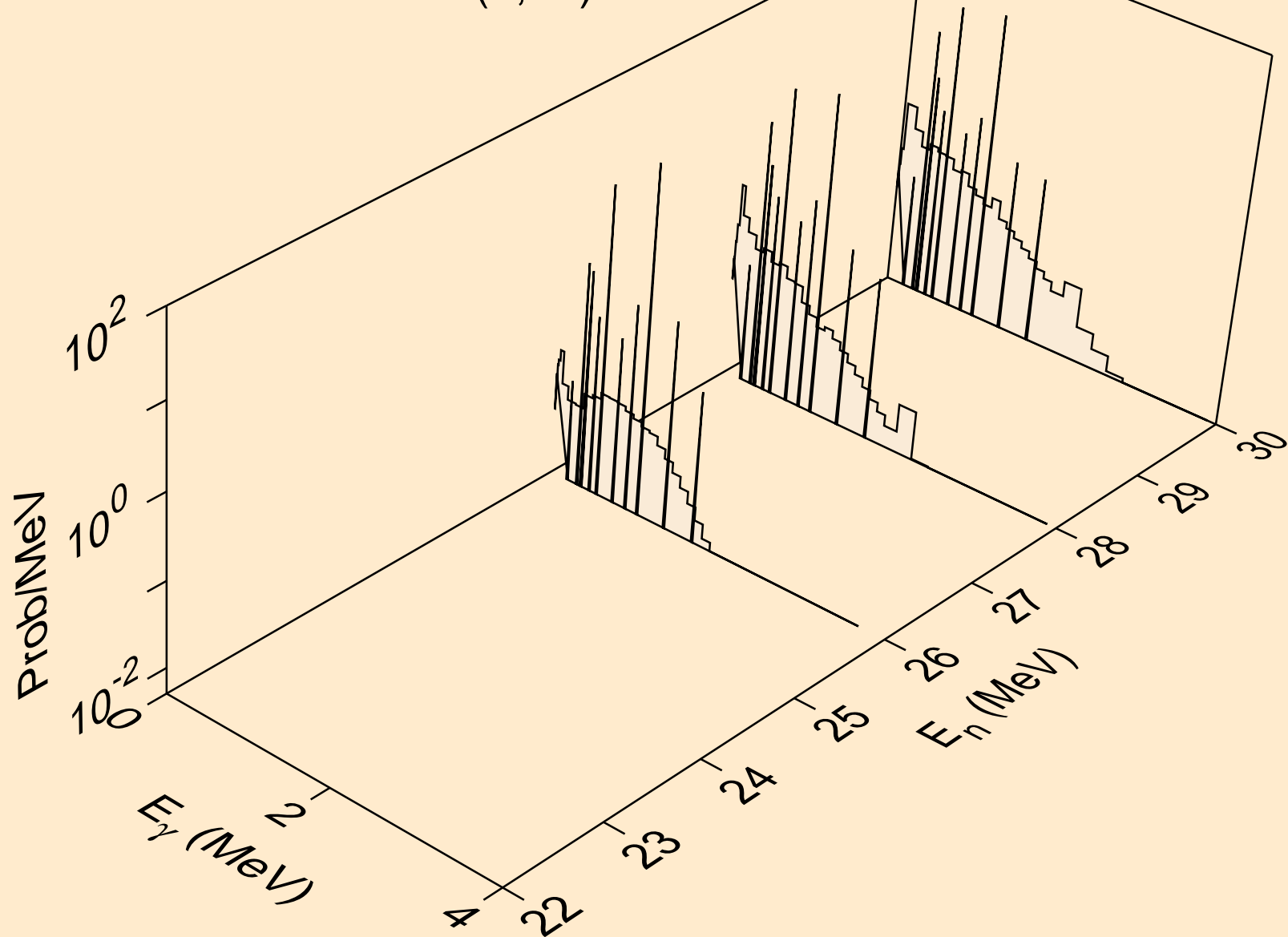
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Photon emission for (n,n\*)t



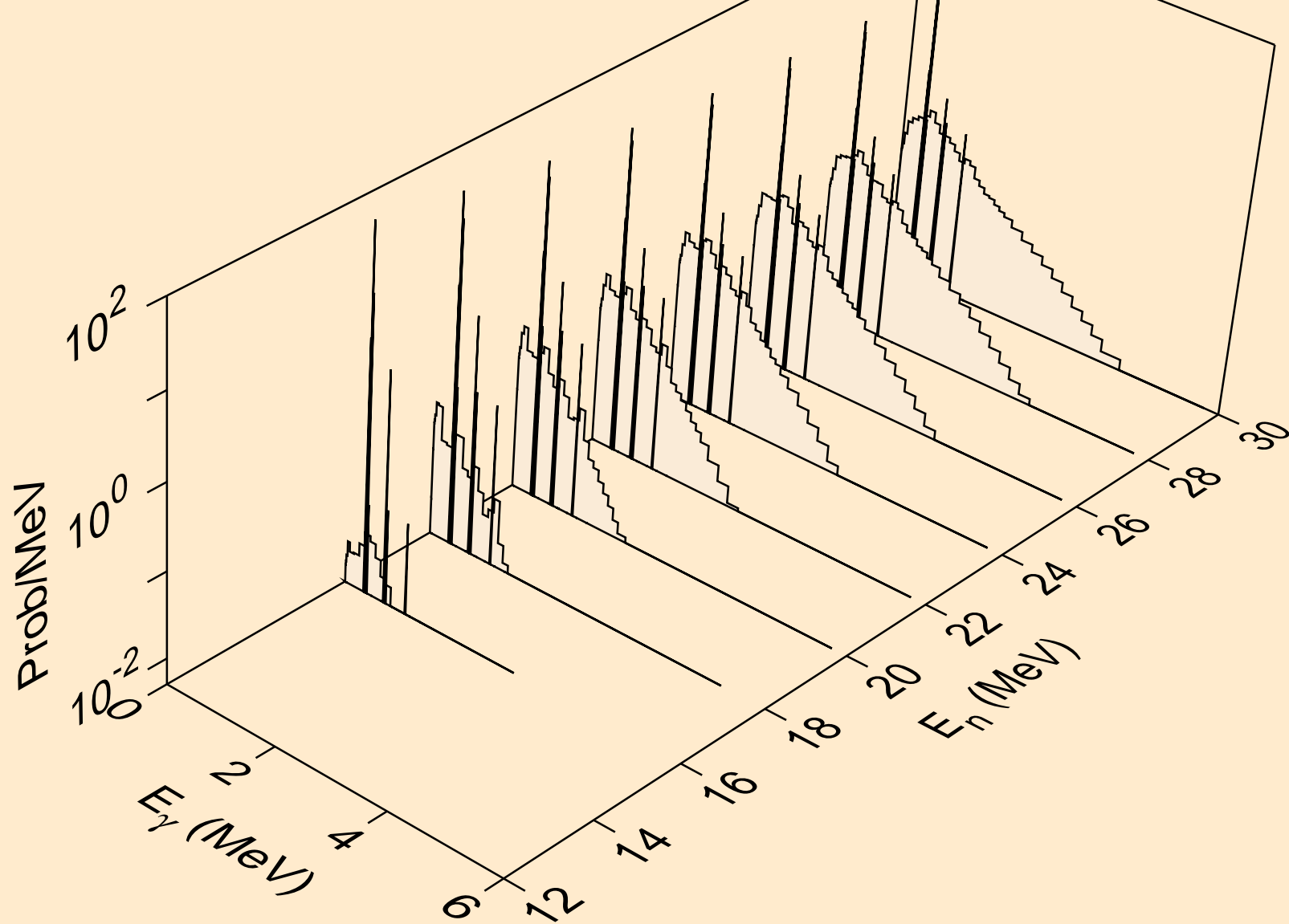
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Photon emission for (n,n\*)he3



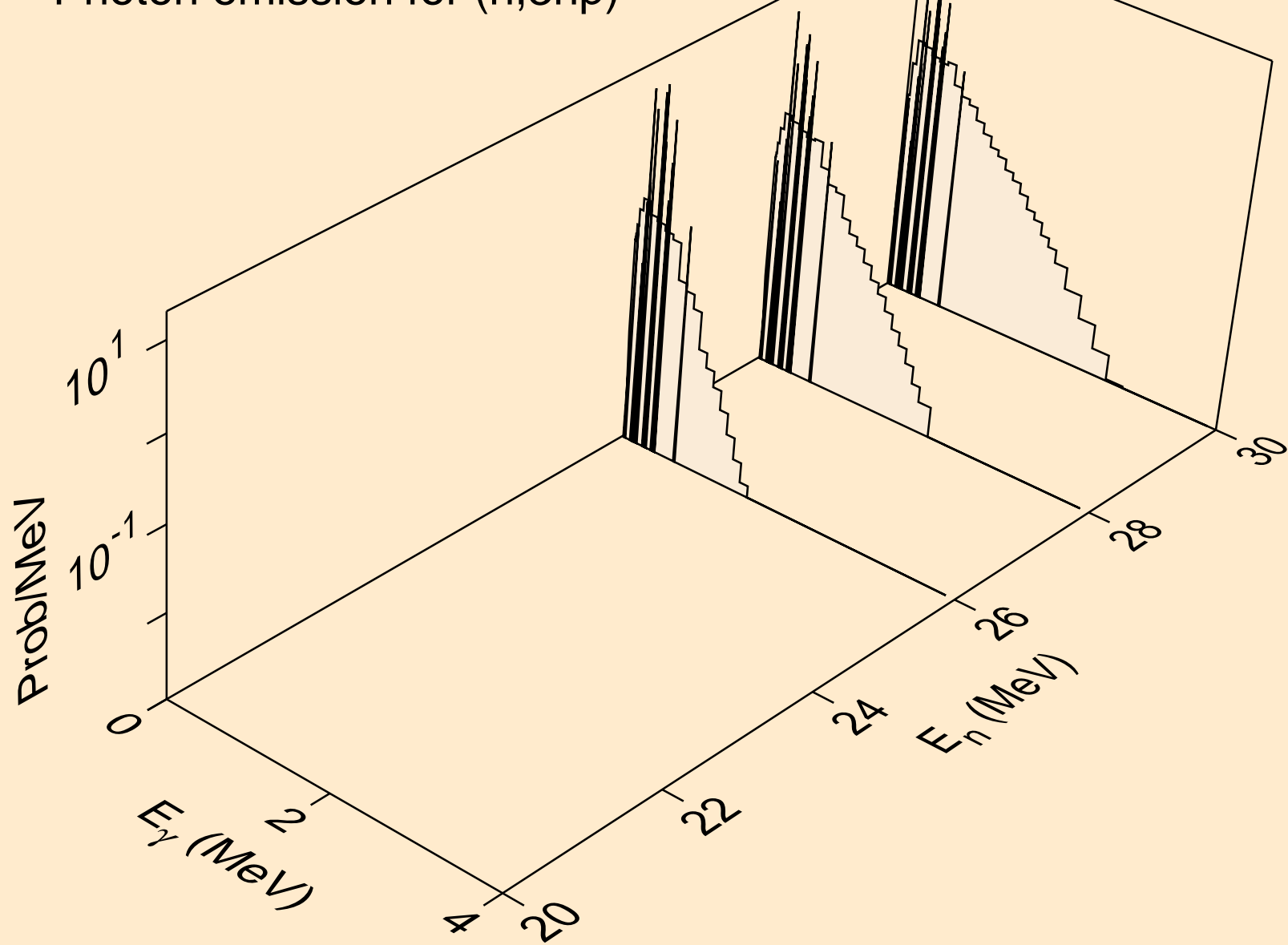
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Photon emission for (n,4n)



PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)

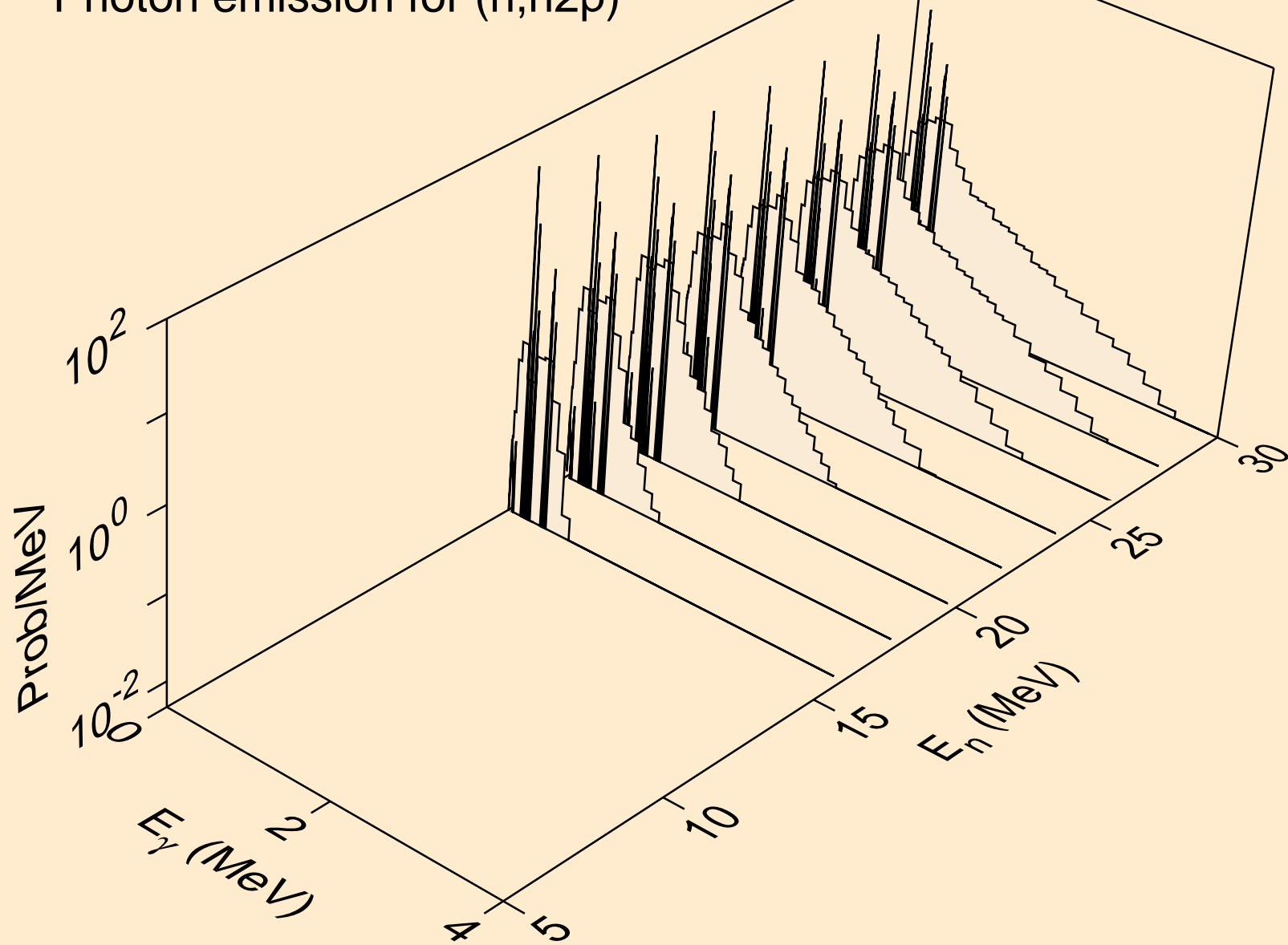


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Photon emission for (n,3np)

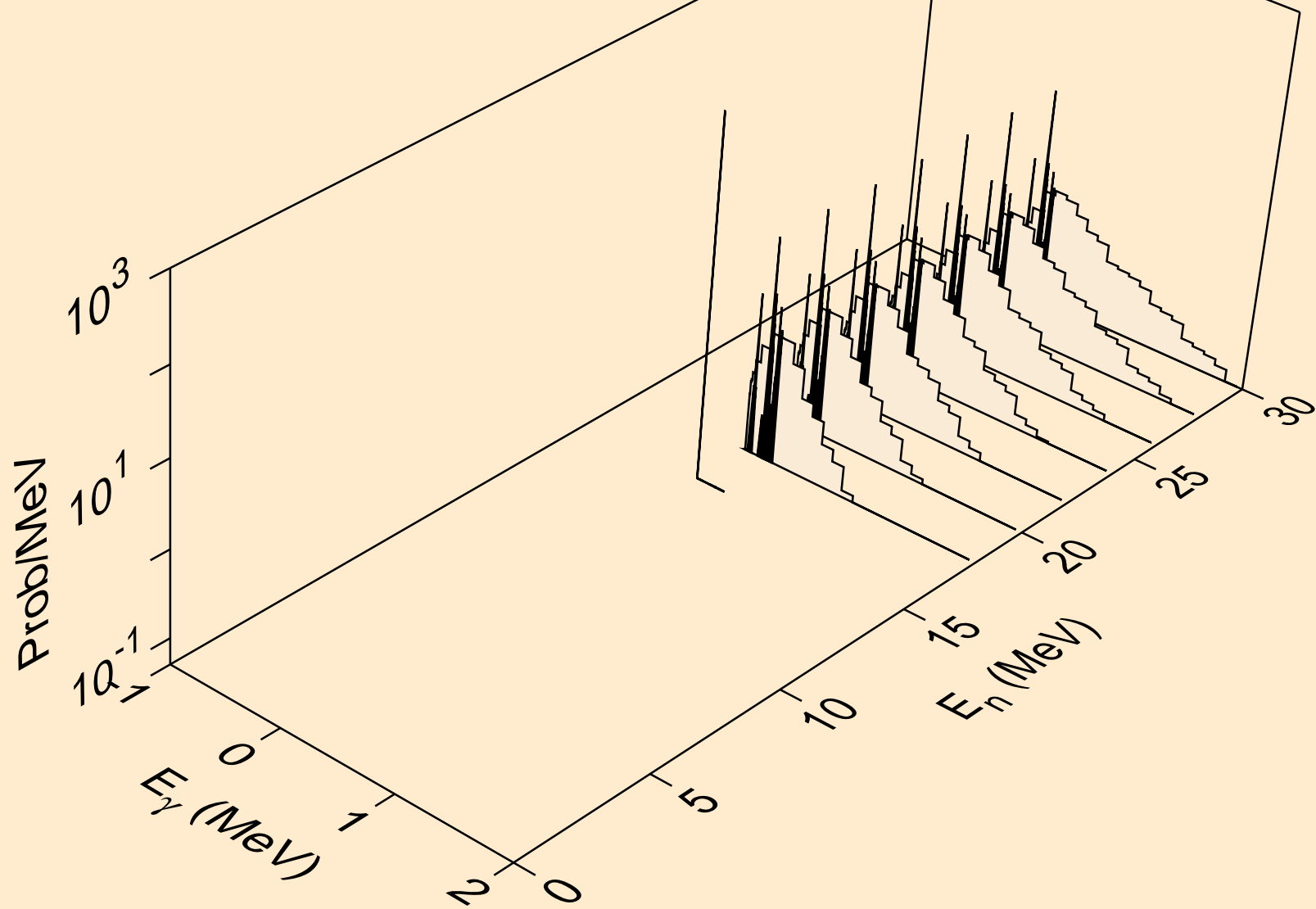




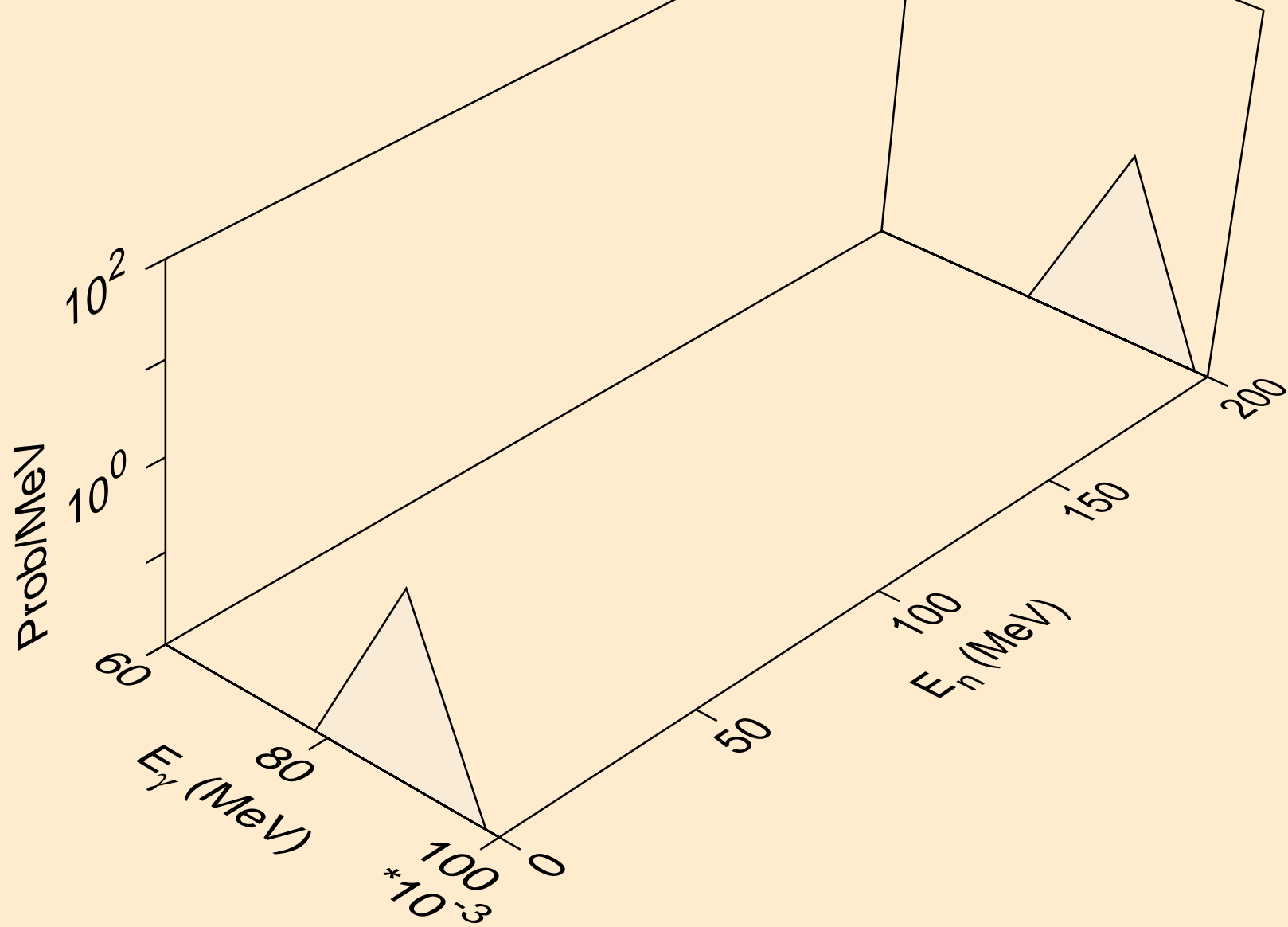
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Photon emission for (n,n2p)



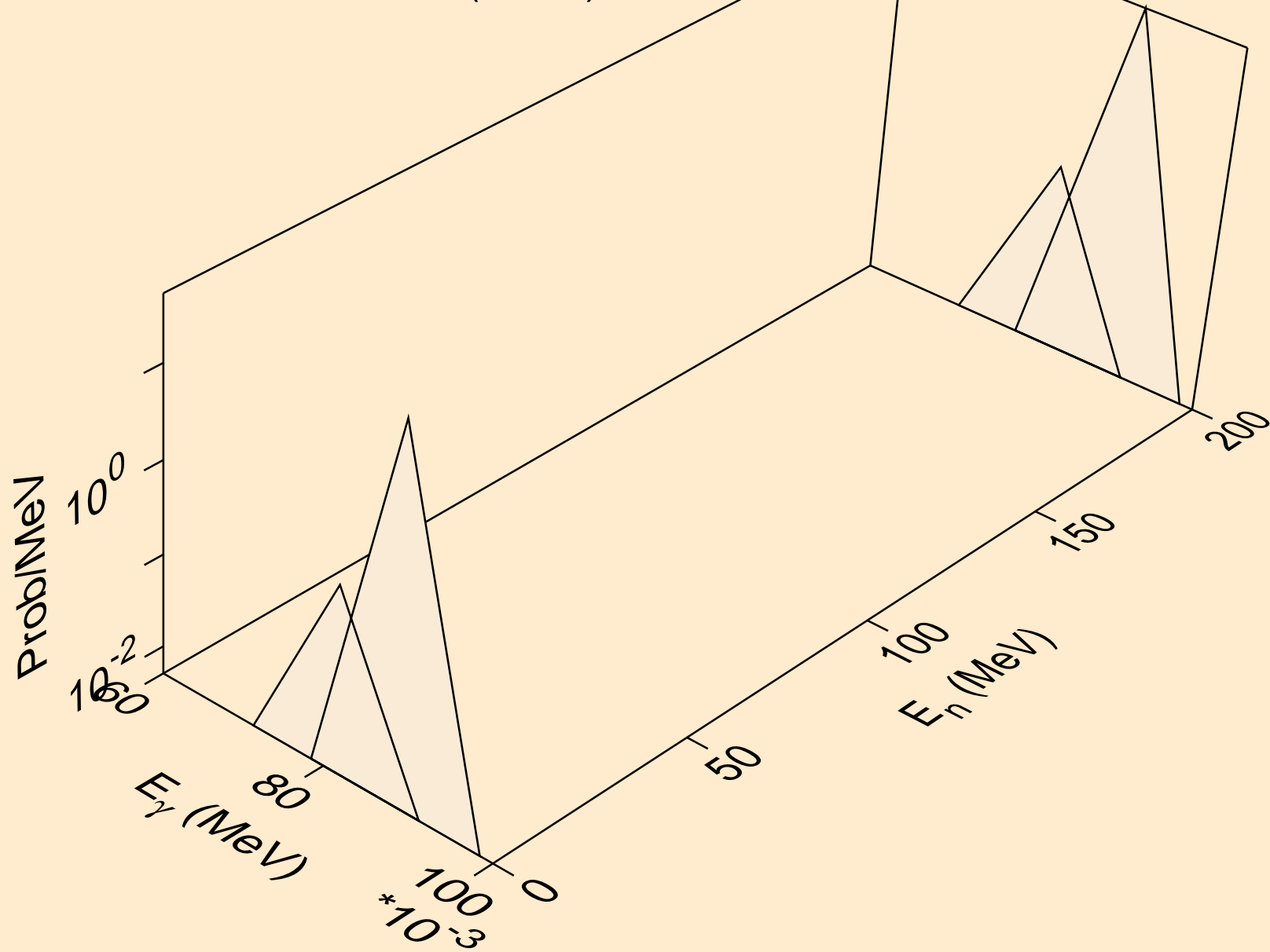
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Photon emission for (n,npa)



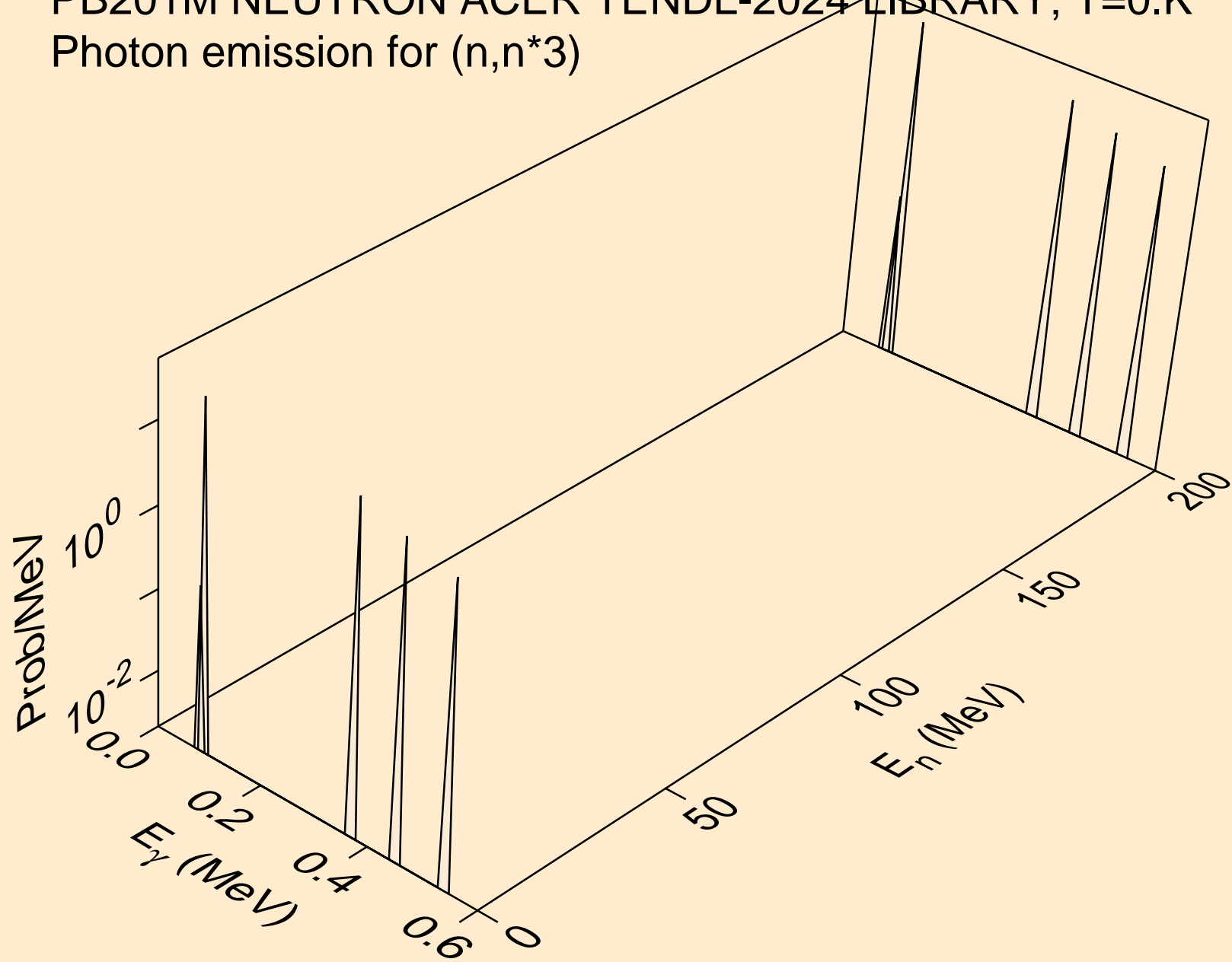
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Photon emission for (n,n\*1)



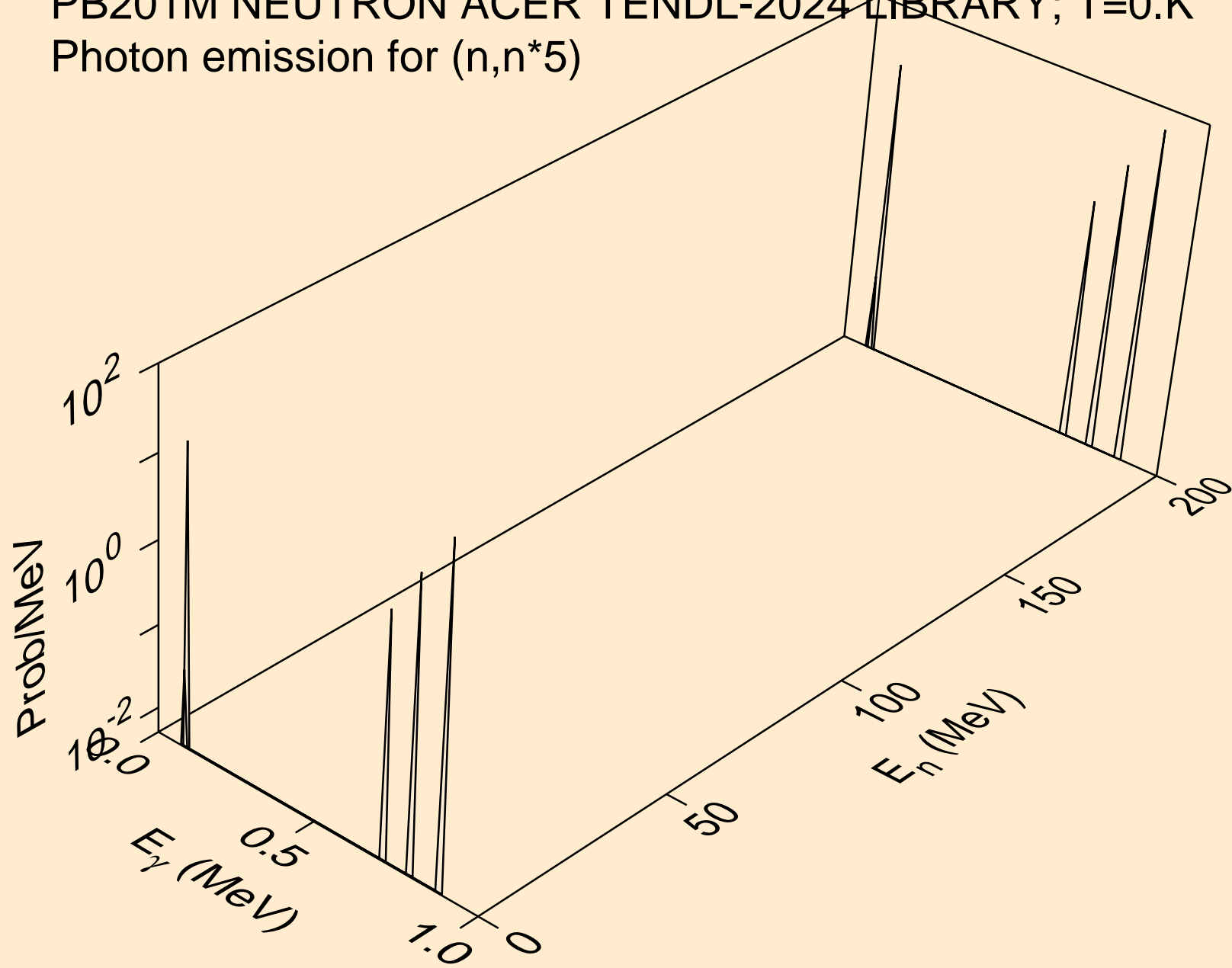
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Photon emission for (n,n\*2)



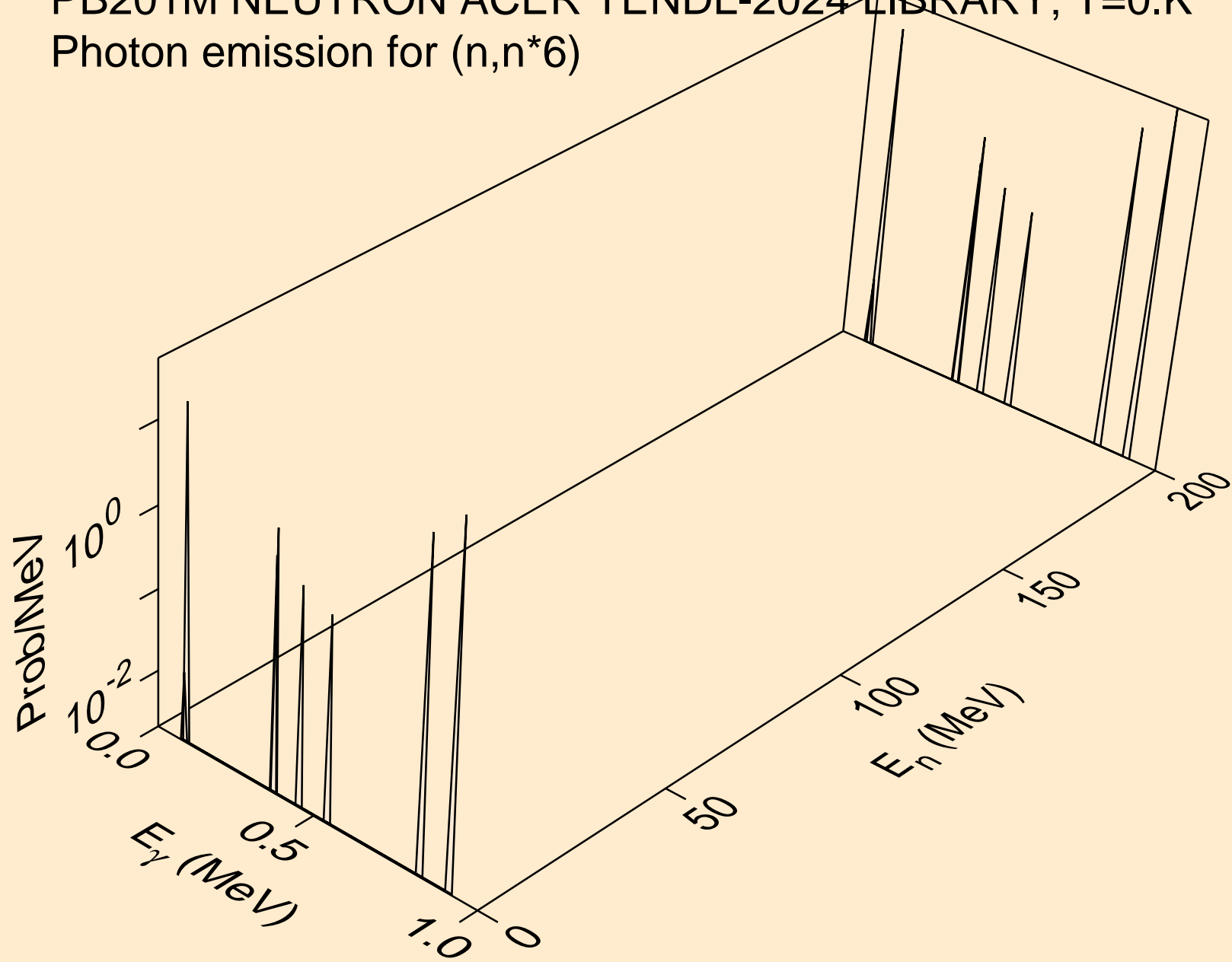
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Photon emission for (n,n\*3)



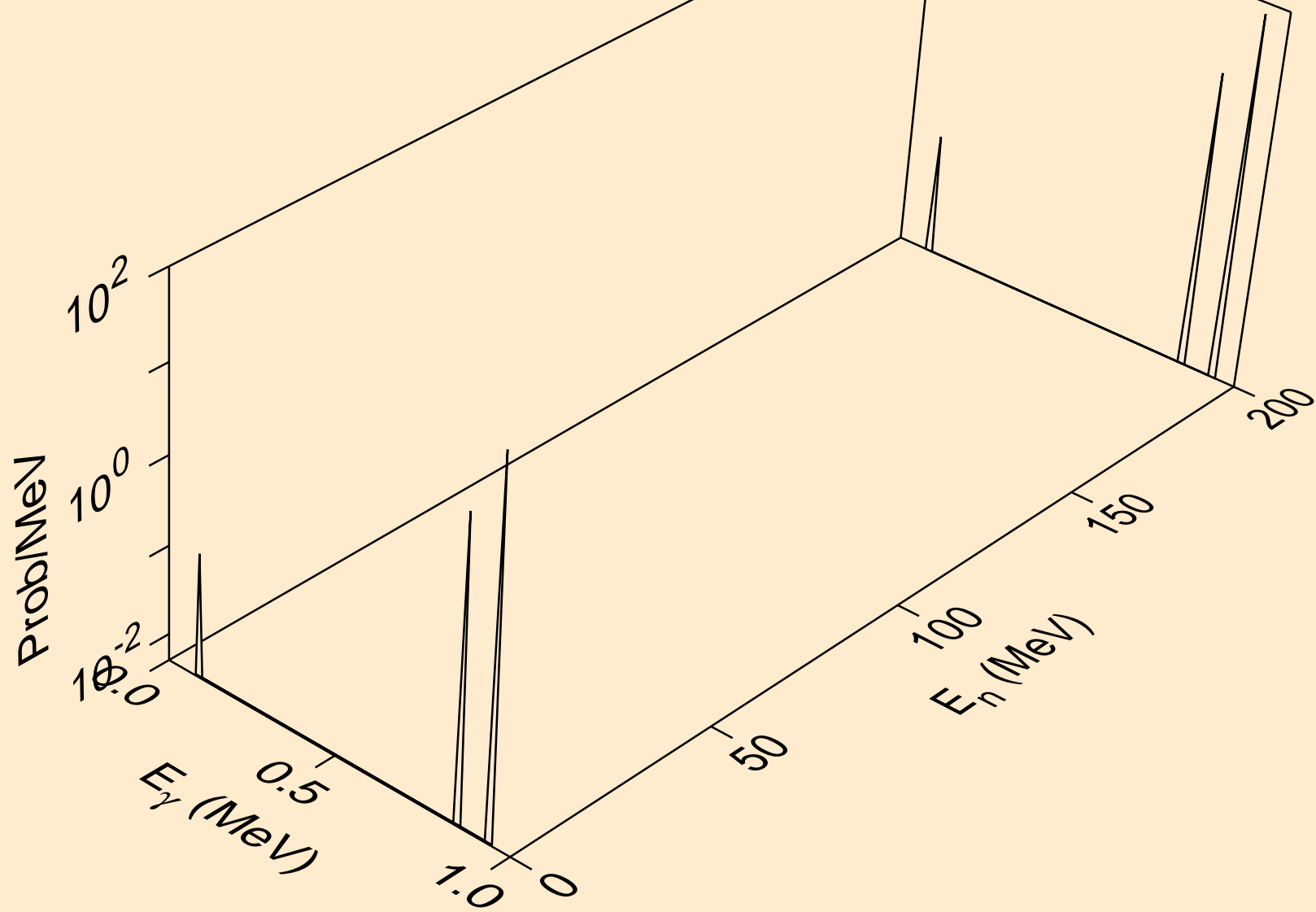
PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*5)



PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*6)

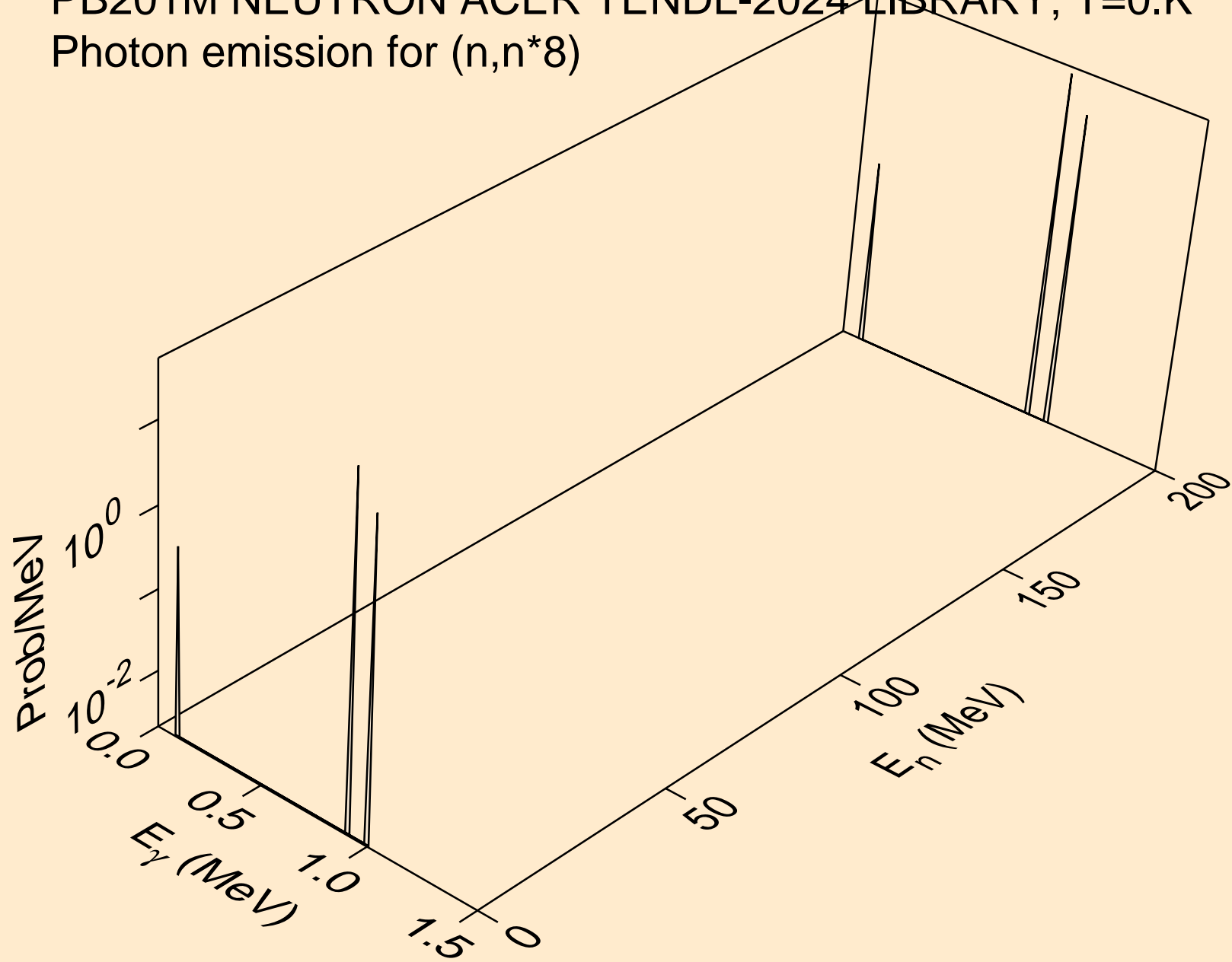


PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*7)

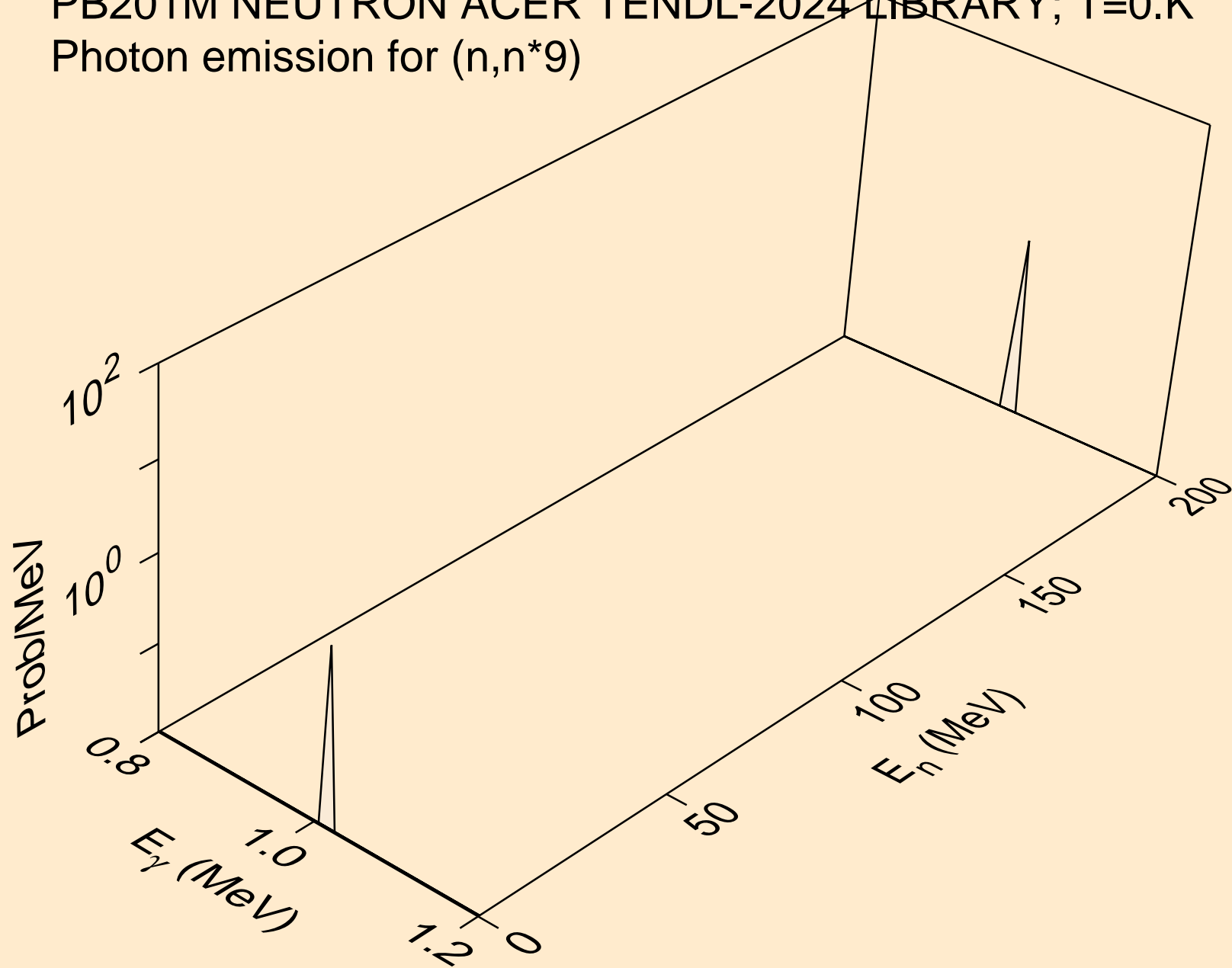




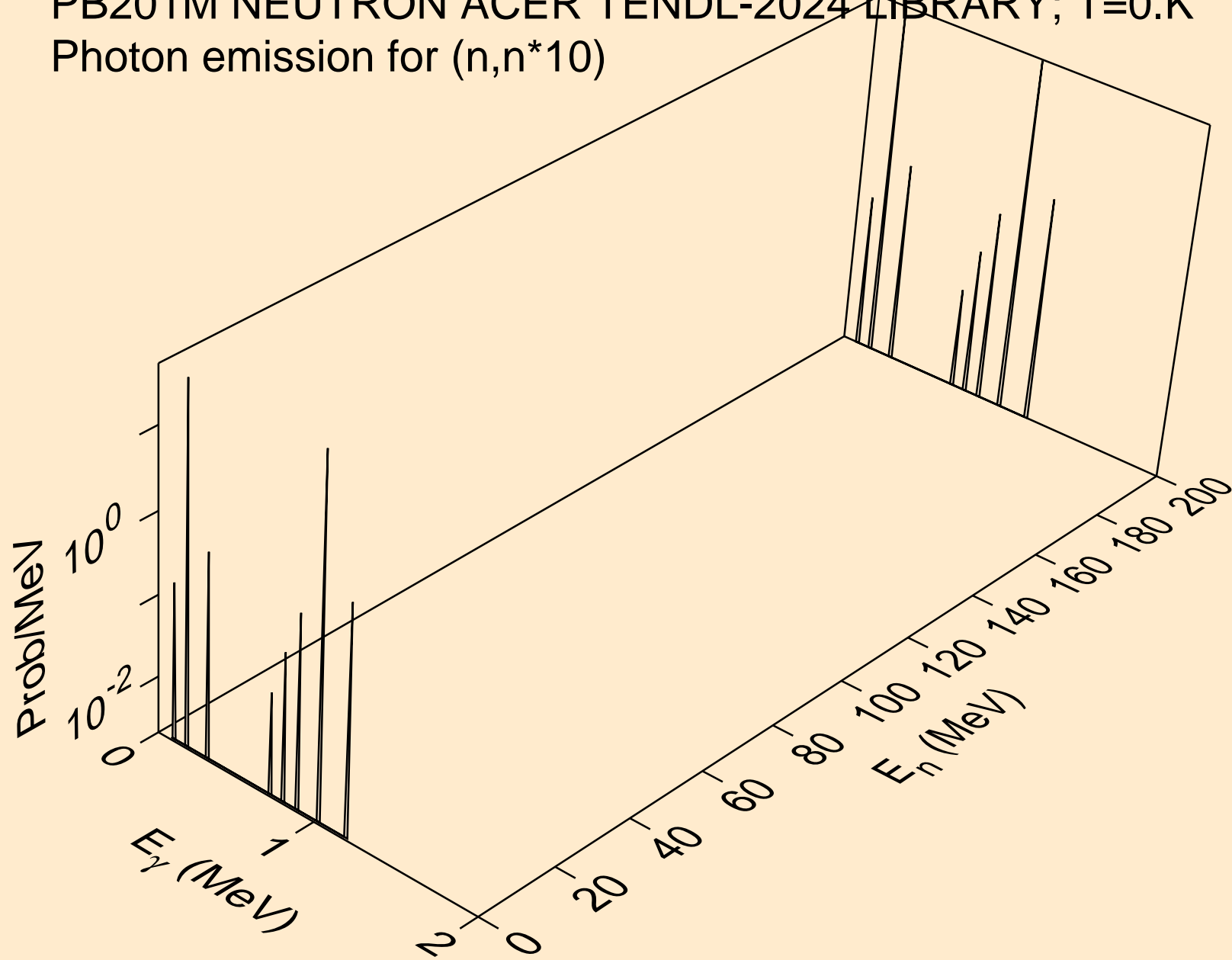
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Photon emission for (n,n\*8)



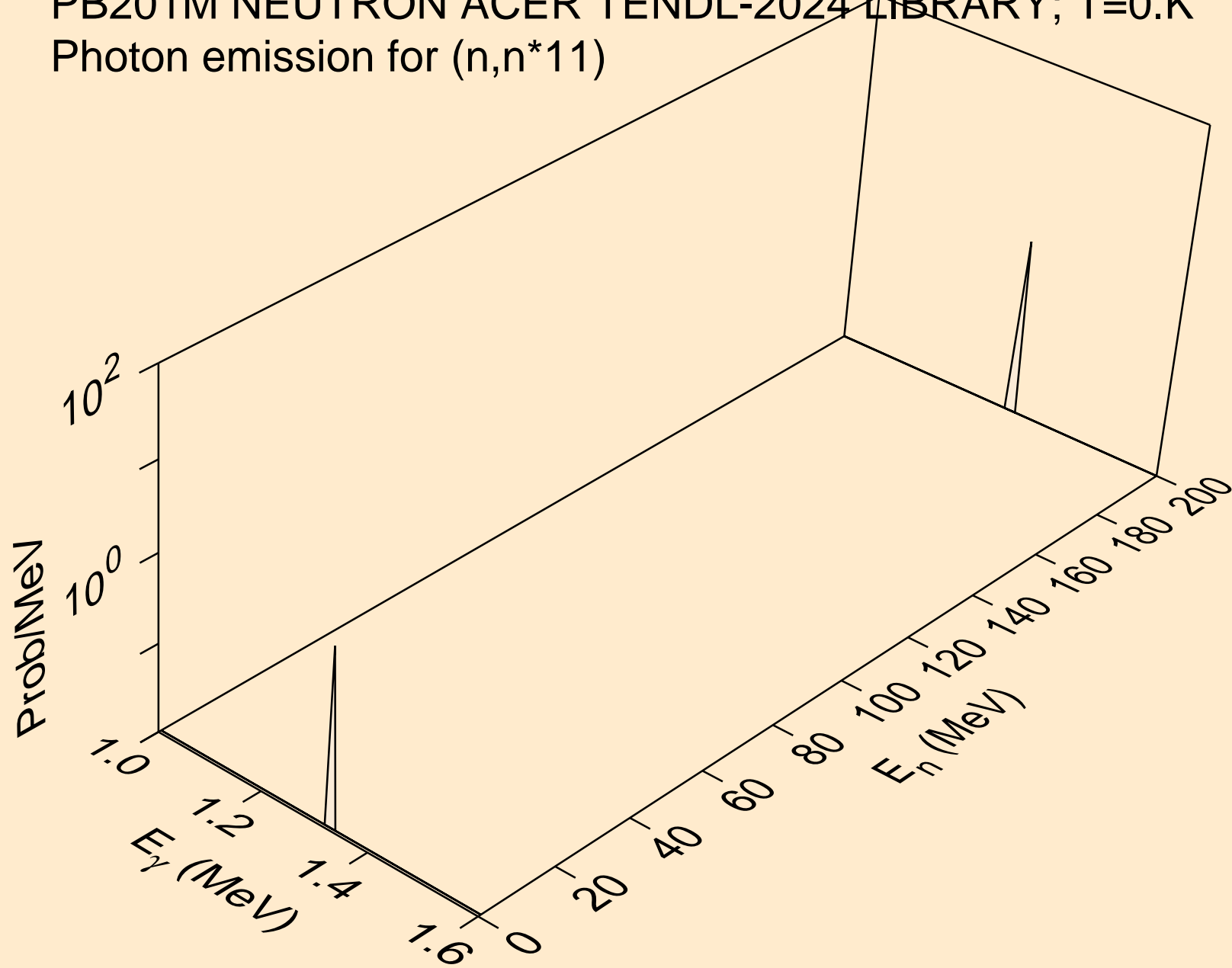
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Photon emission for (n,n\*9)



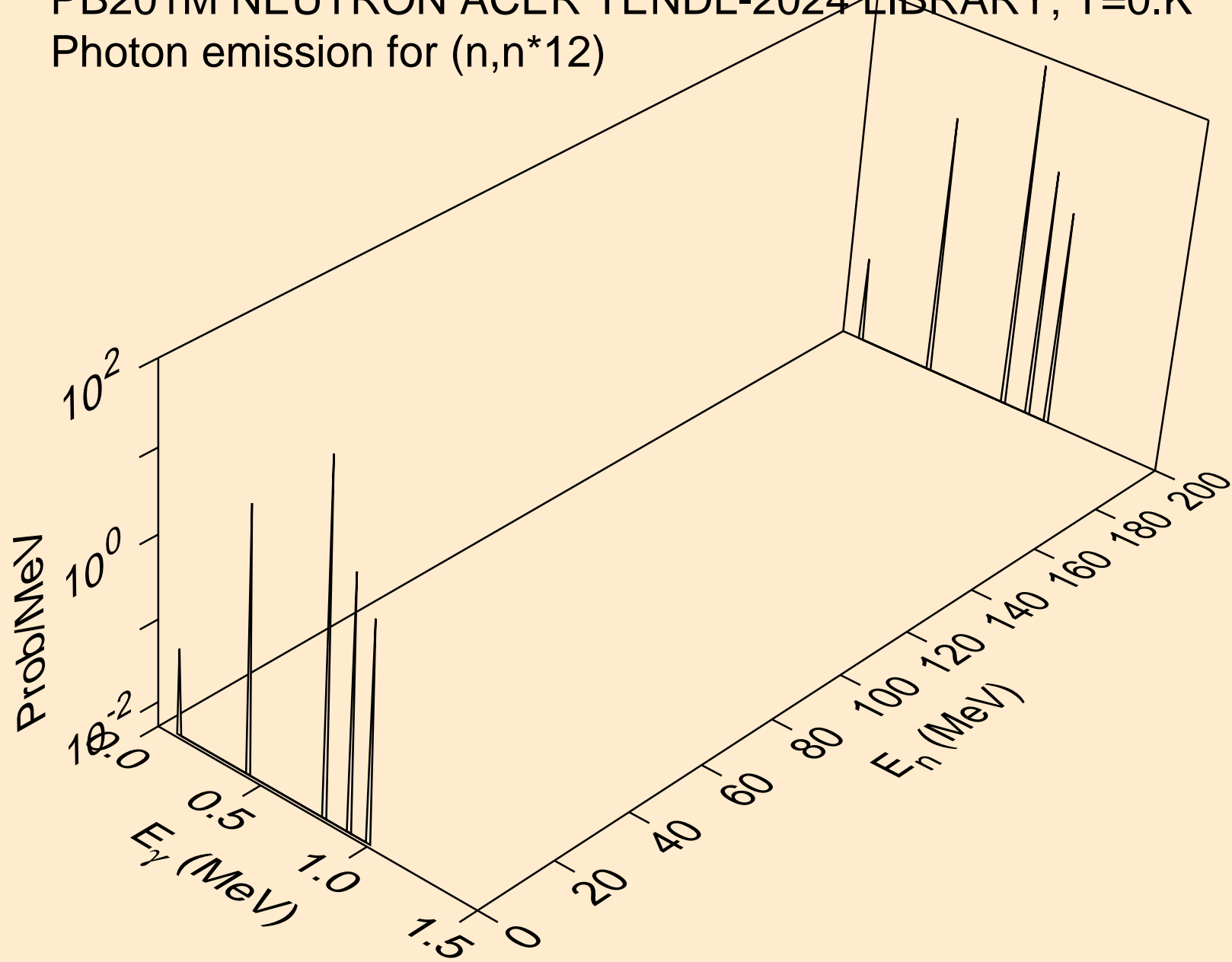
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Photon emission for (n,n\*10)



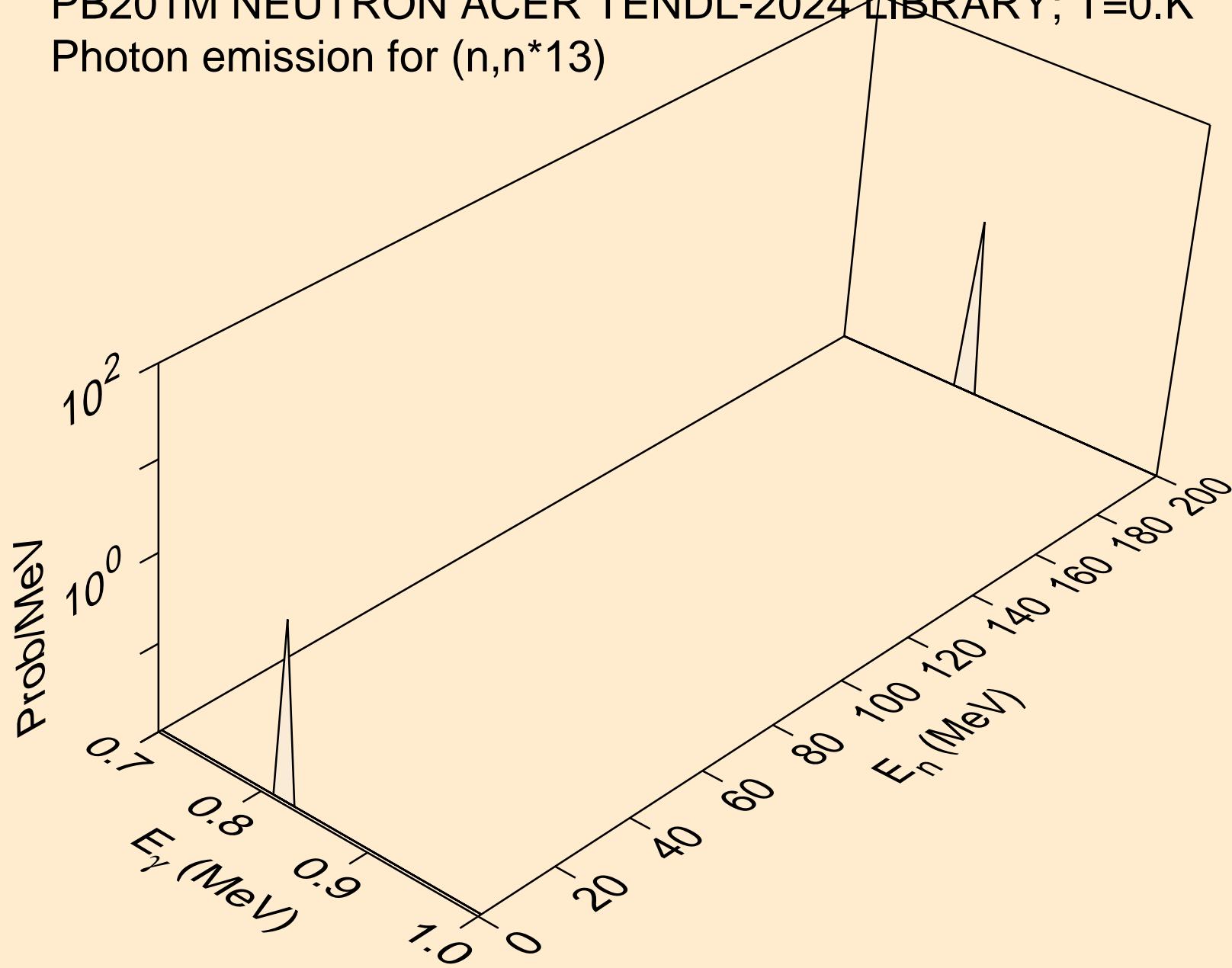
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Photon emission for (n,n\*11)



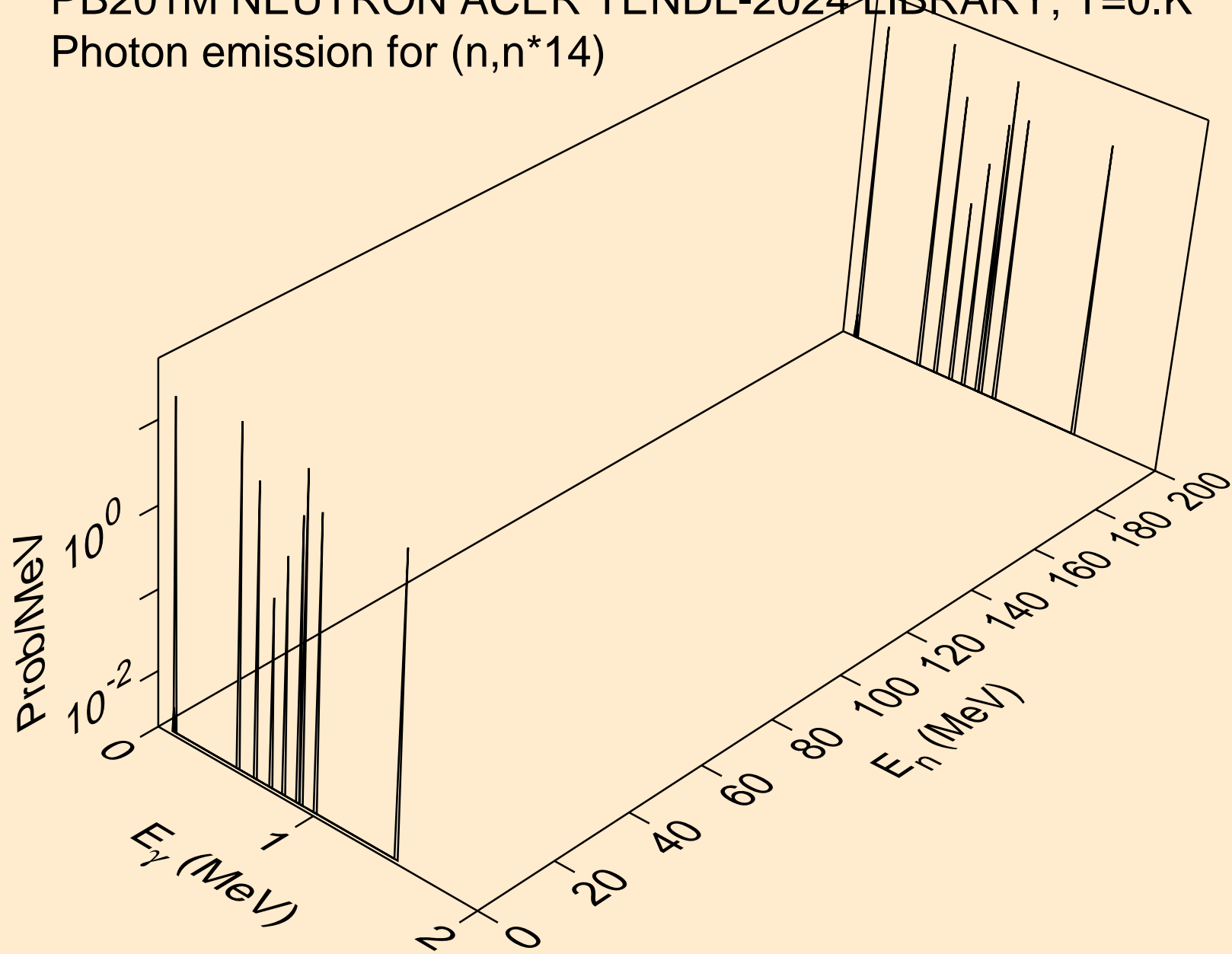
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Photon emission for (n,n\*12)



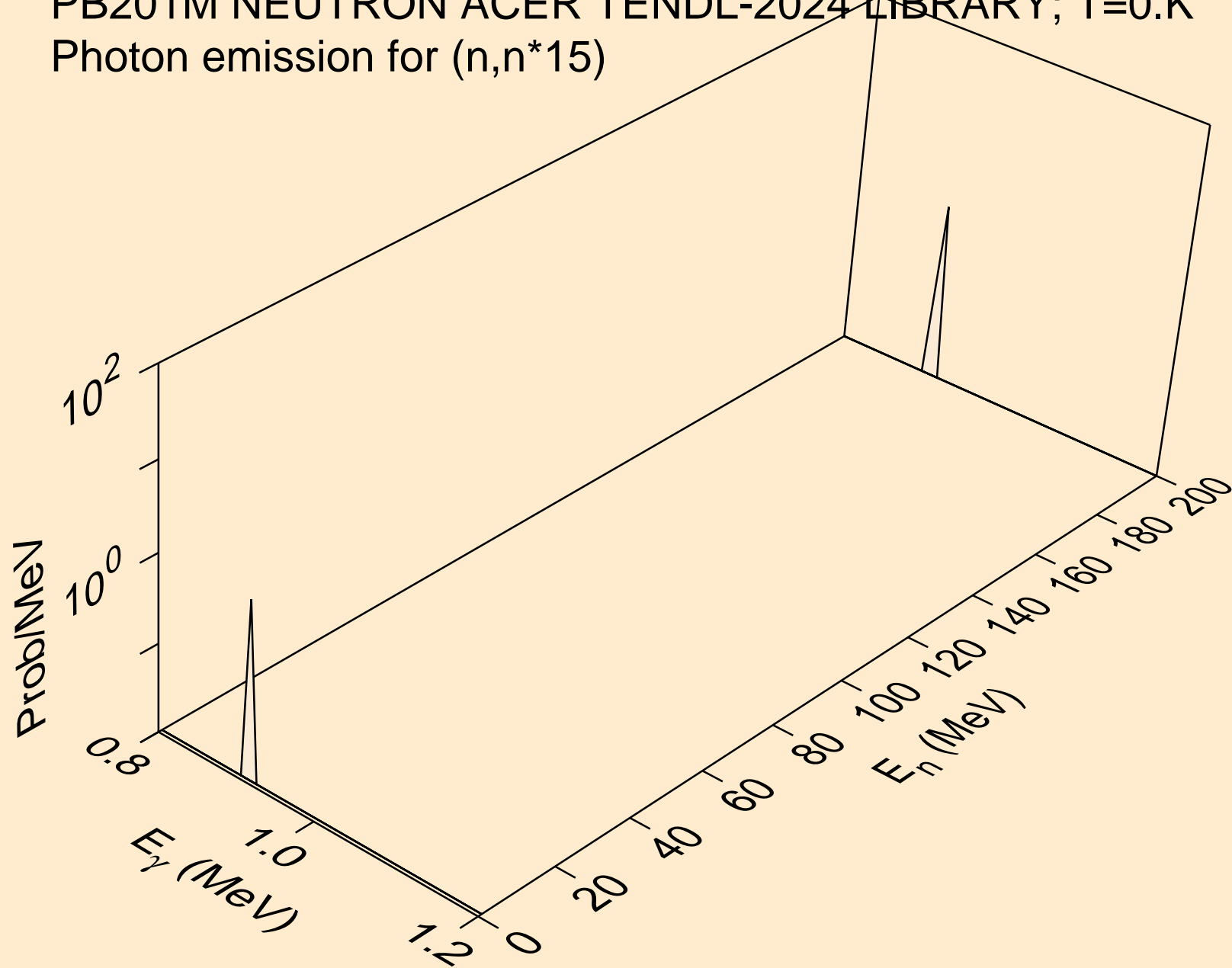
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Photon emission for (n,n\*13)



PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*14)

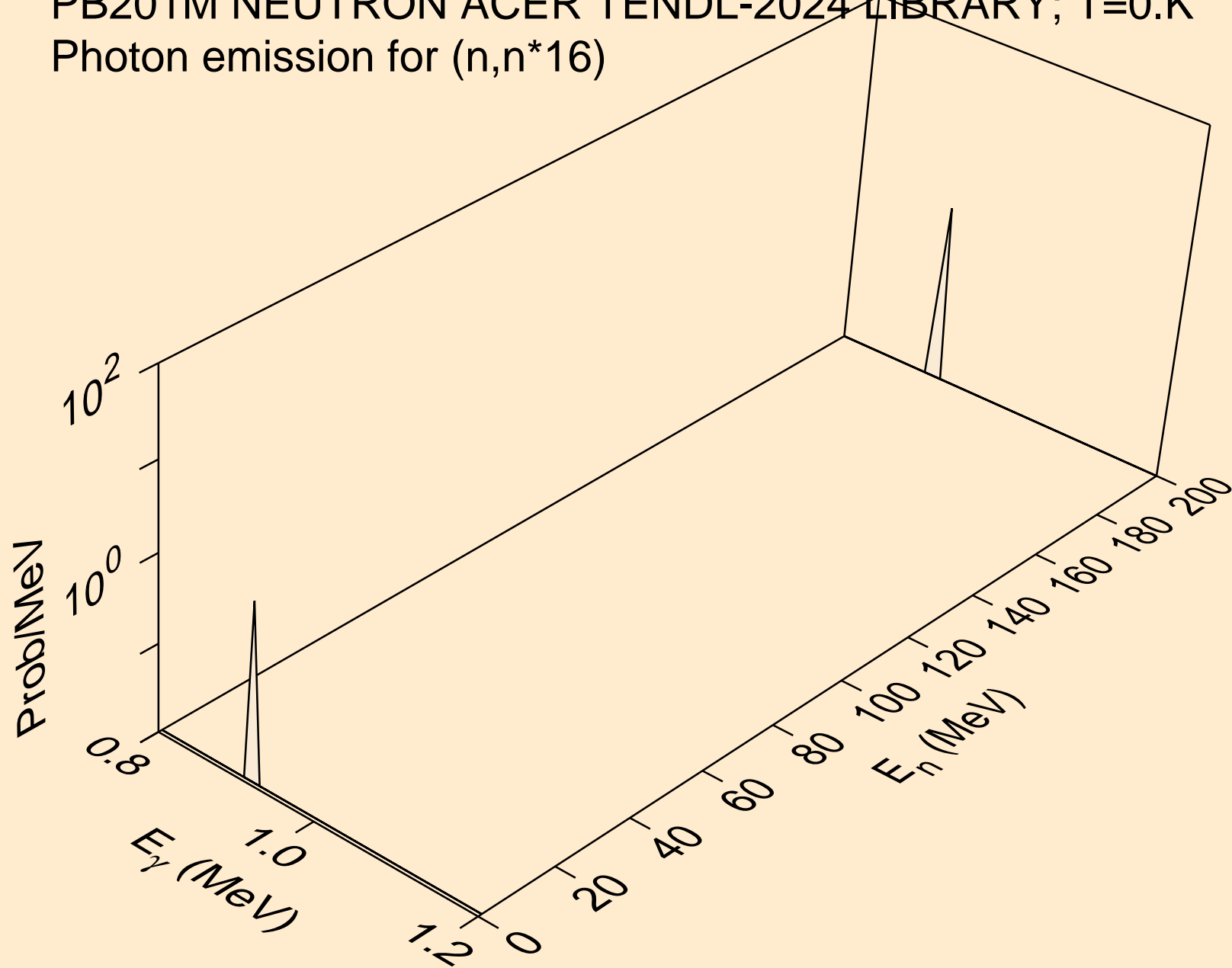


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Photon emission for (n,n\*15)

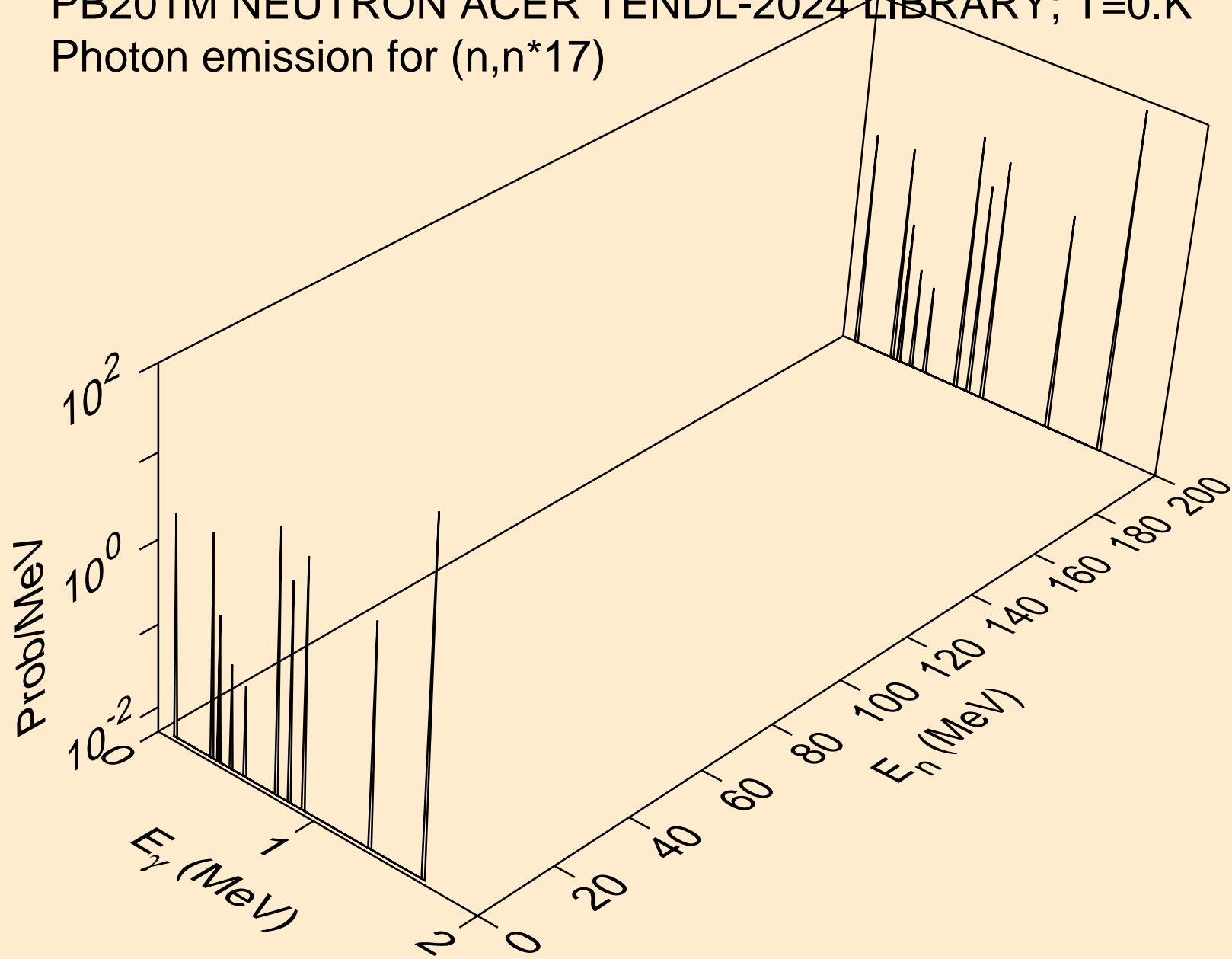




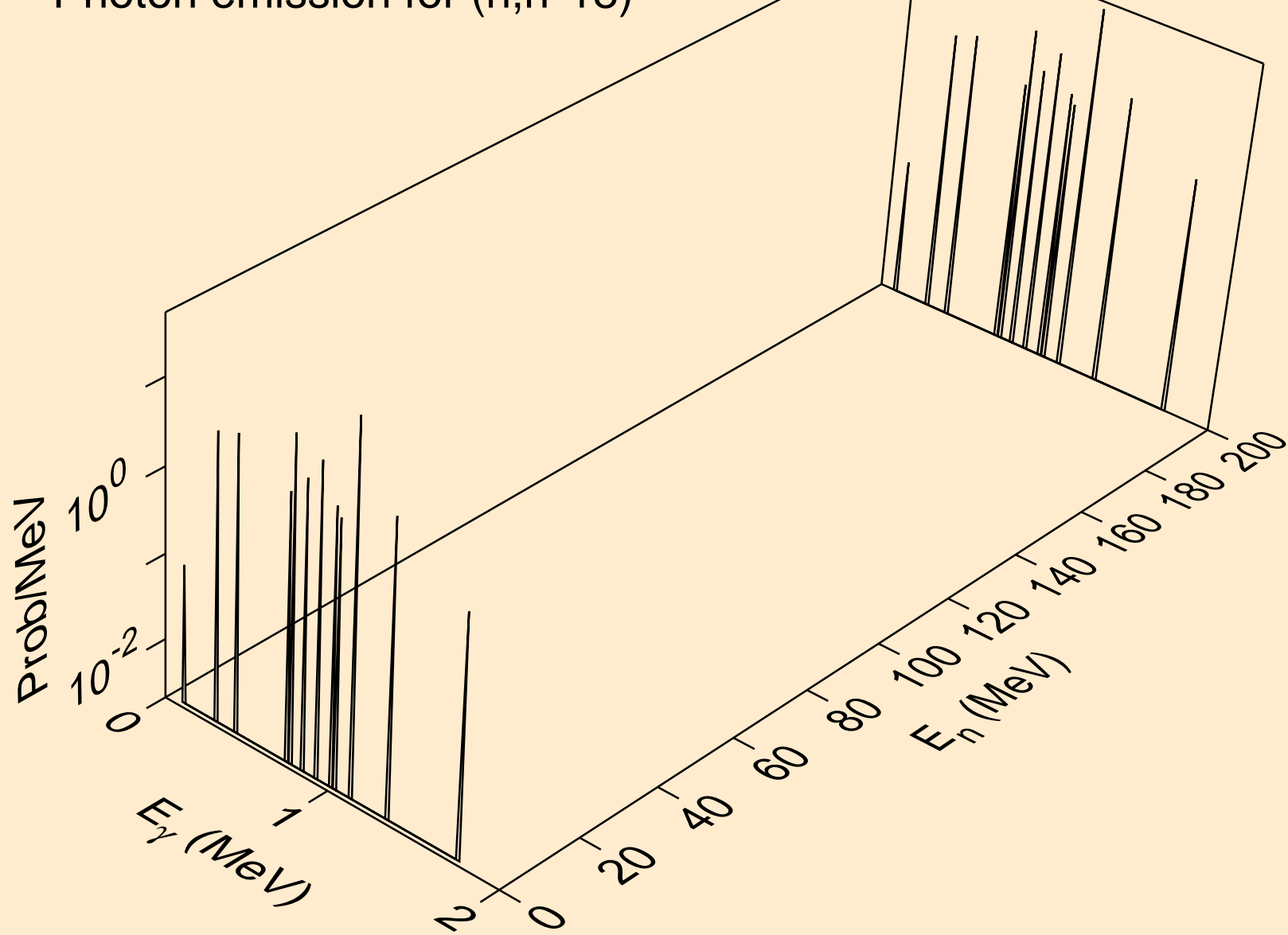
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Photon emission for (n,n\*16)



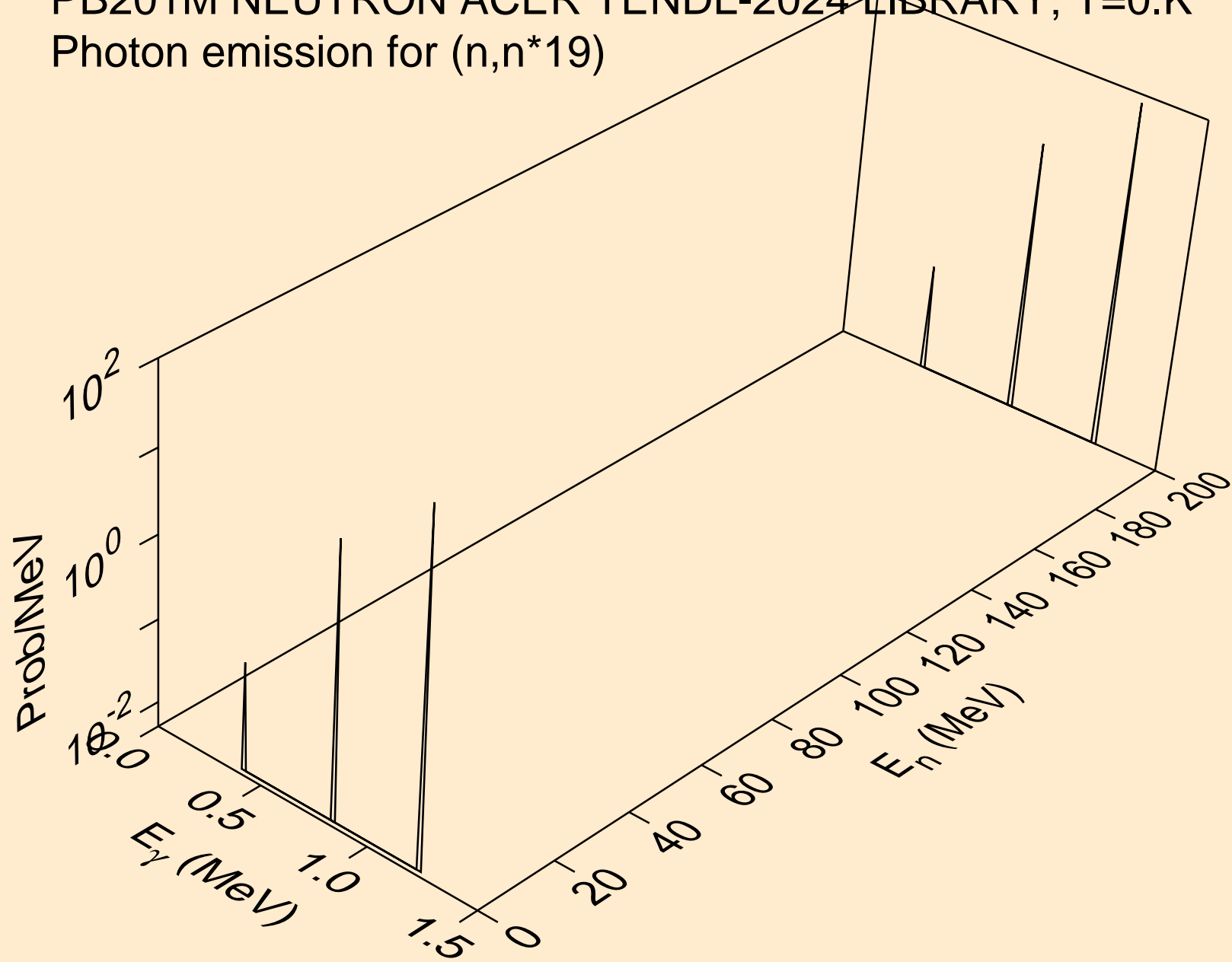
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Photon emission for (n,n\*17)



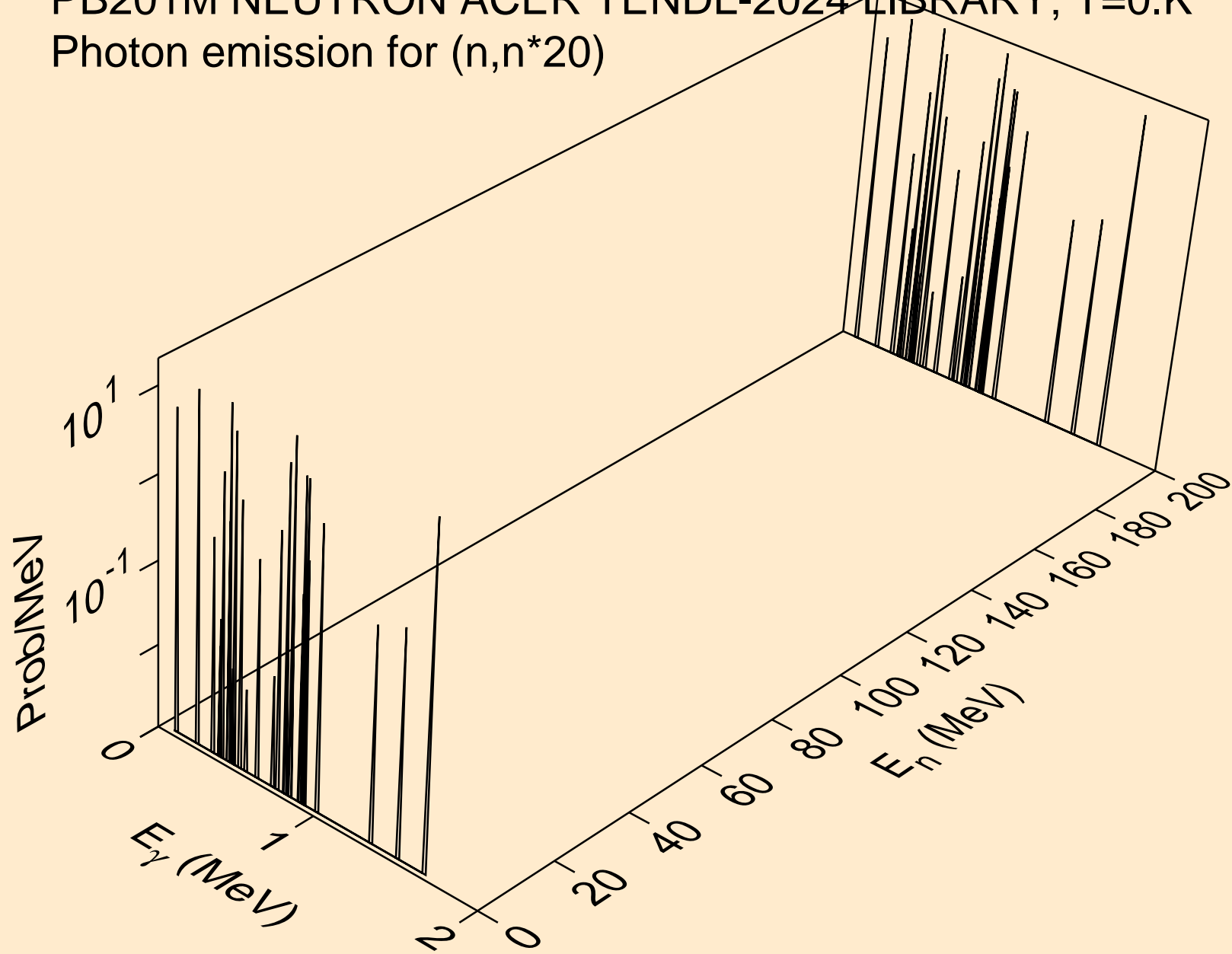
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Photon emission for (n,n\*18)



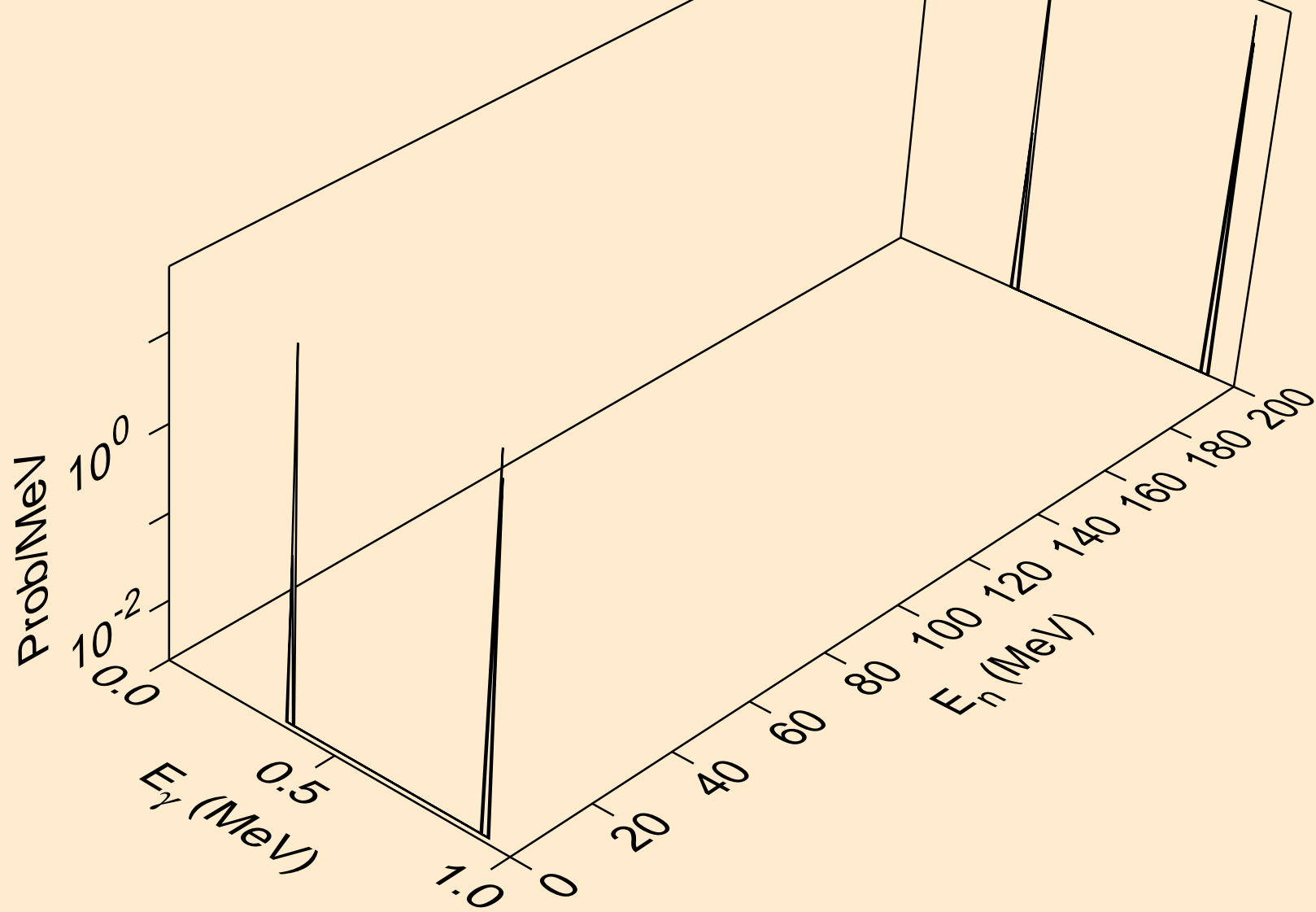
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Photon emission for (n,n\*19)



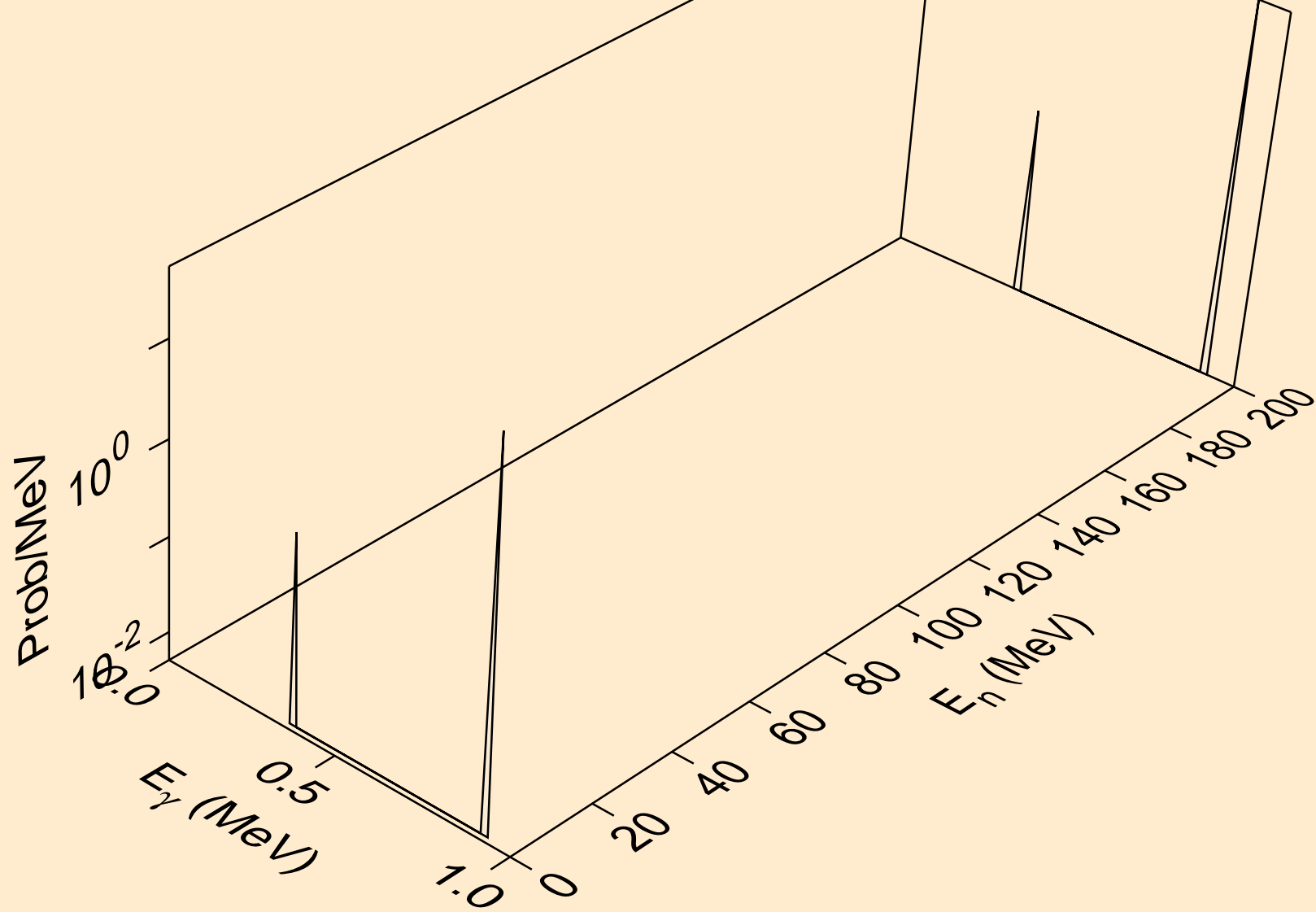
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Photon emission for (n,n\*20)



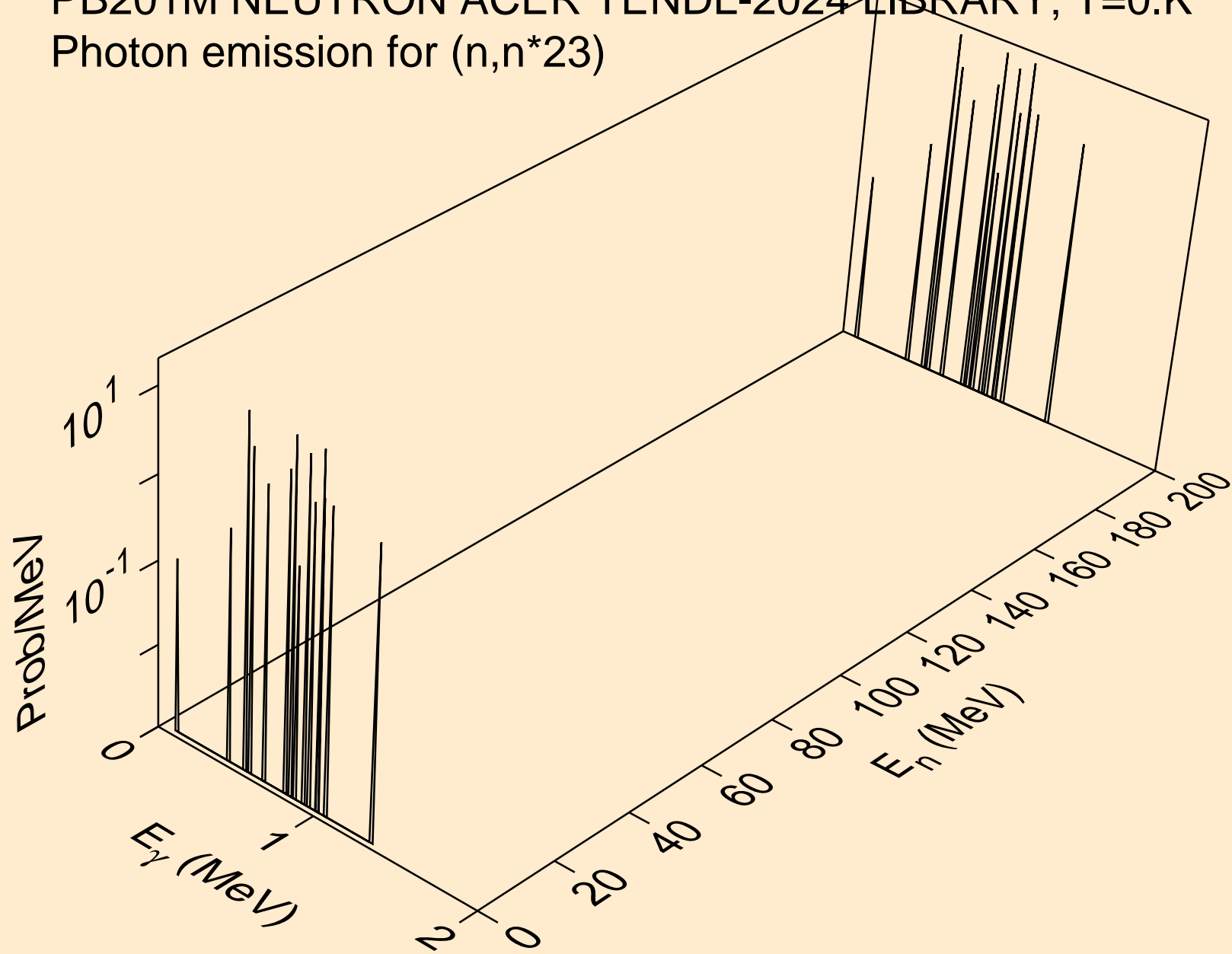
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Photon emission for (n,n\*21)



PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*22)

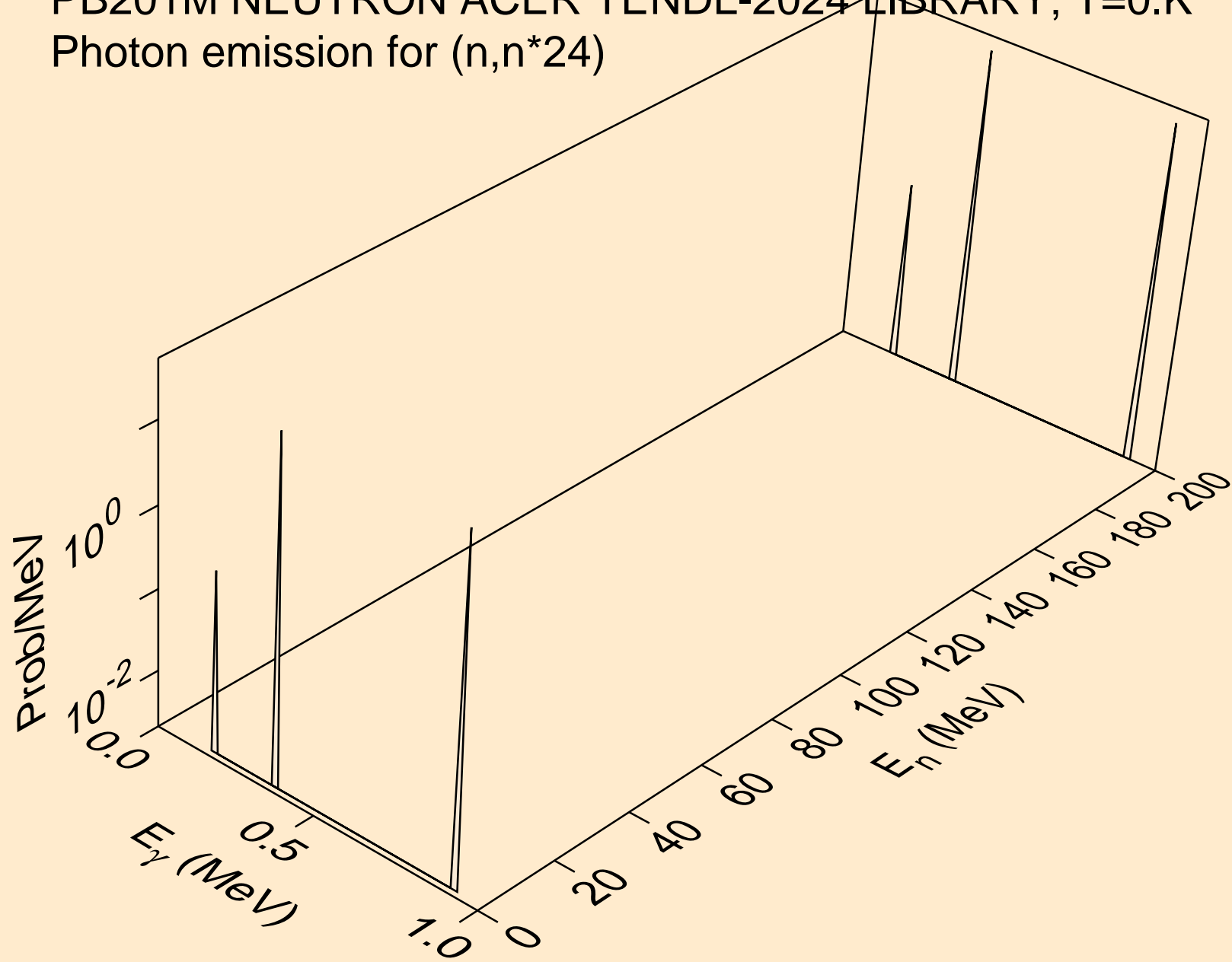


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Photon emission for (n,n\*23)

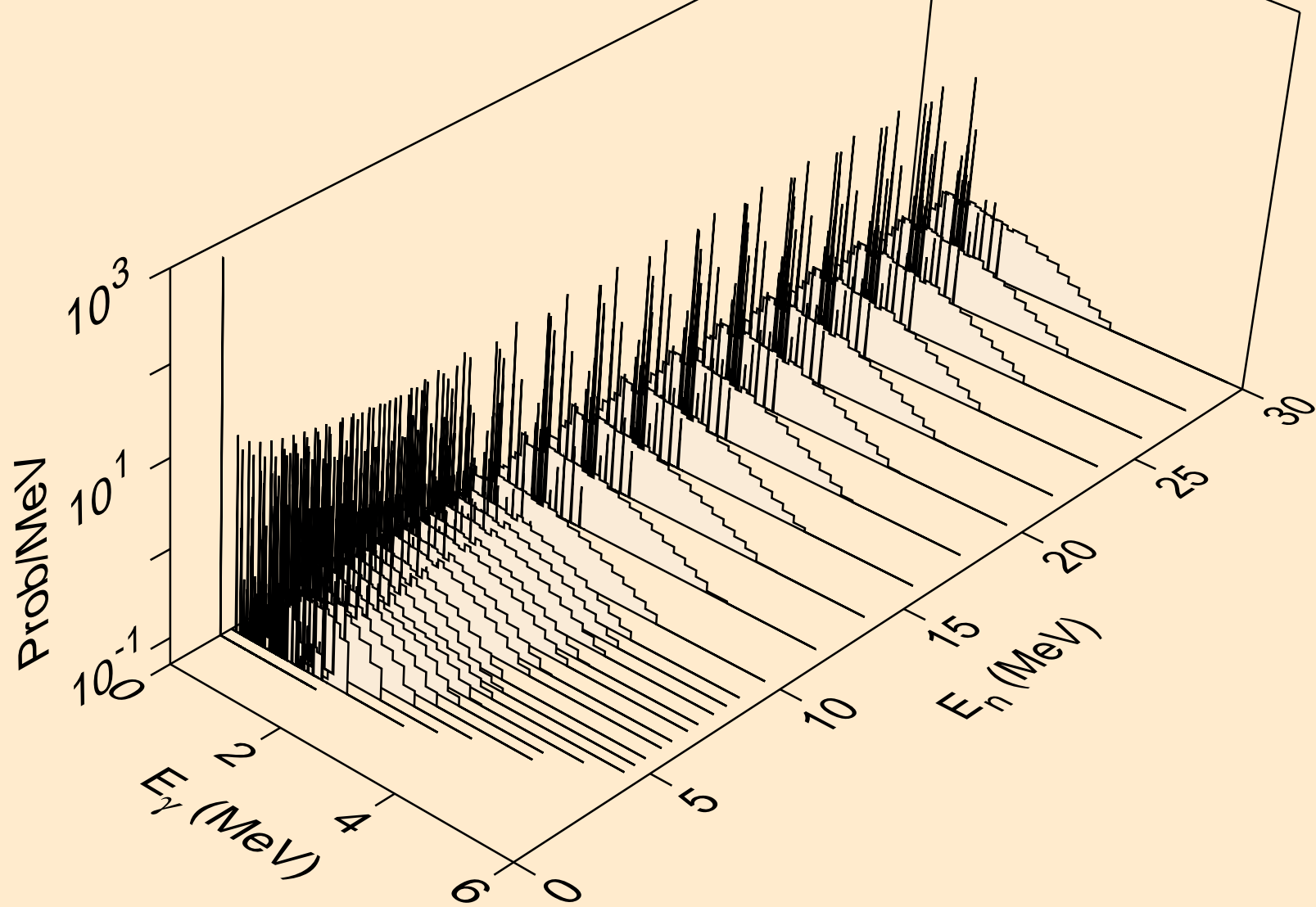




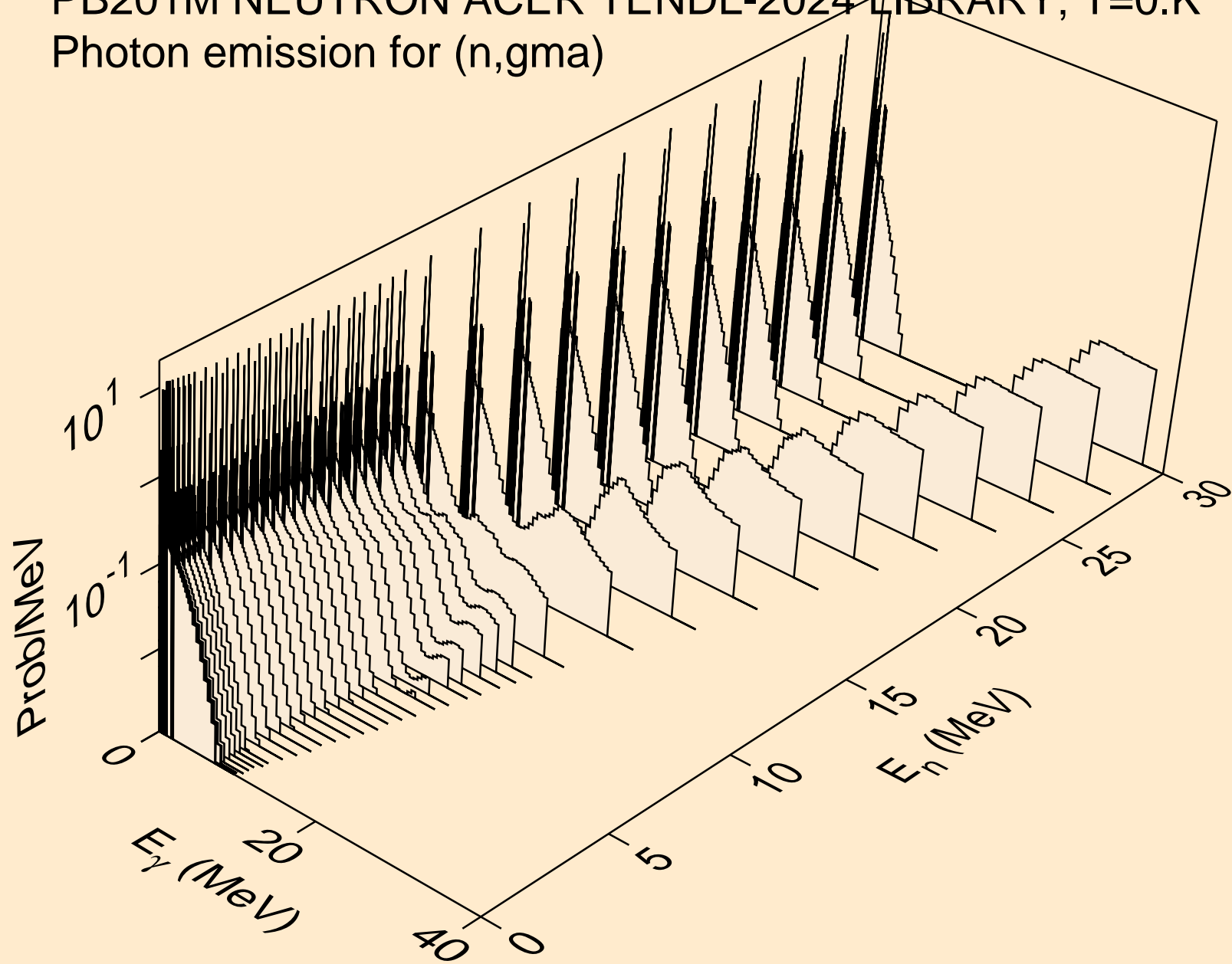
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Photon emission for (n,n\*24)



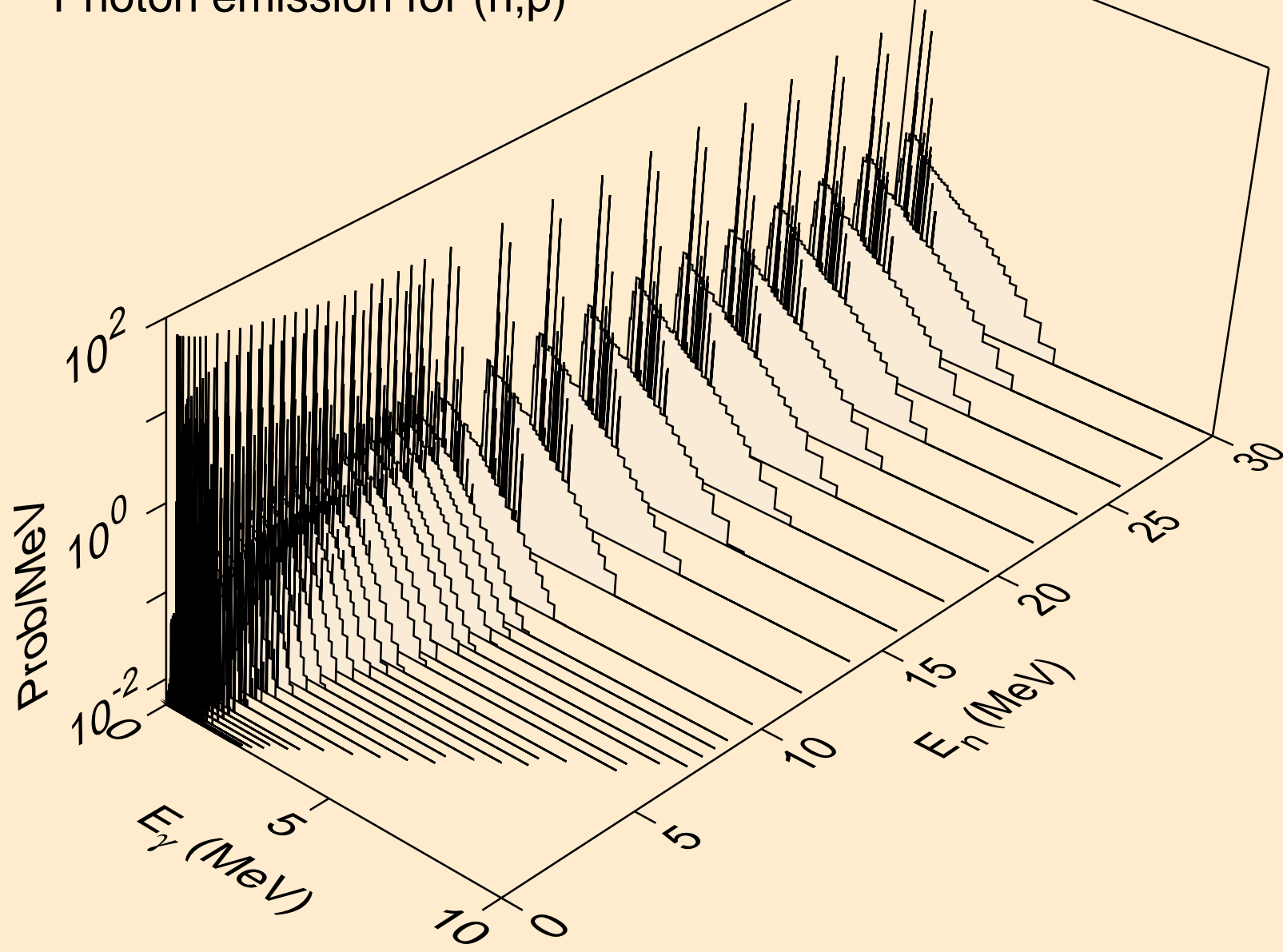
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Photon emission for (n,n\*c)



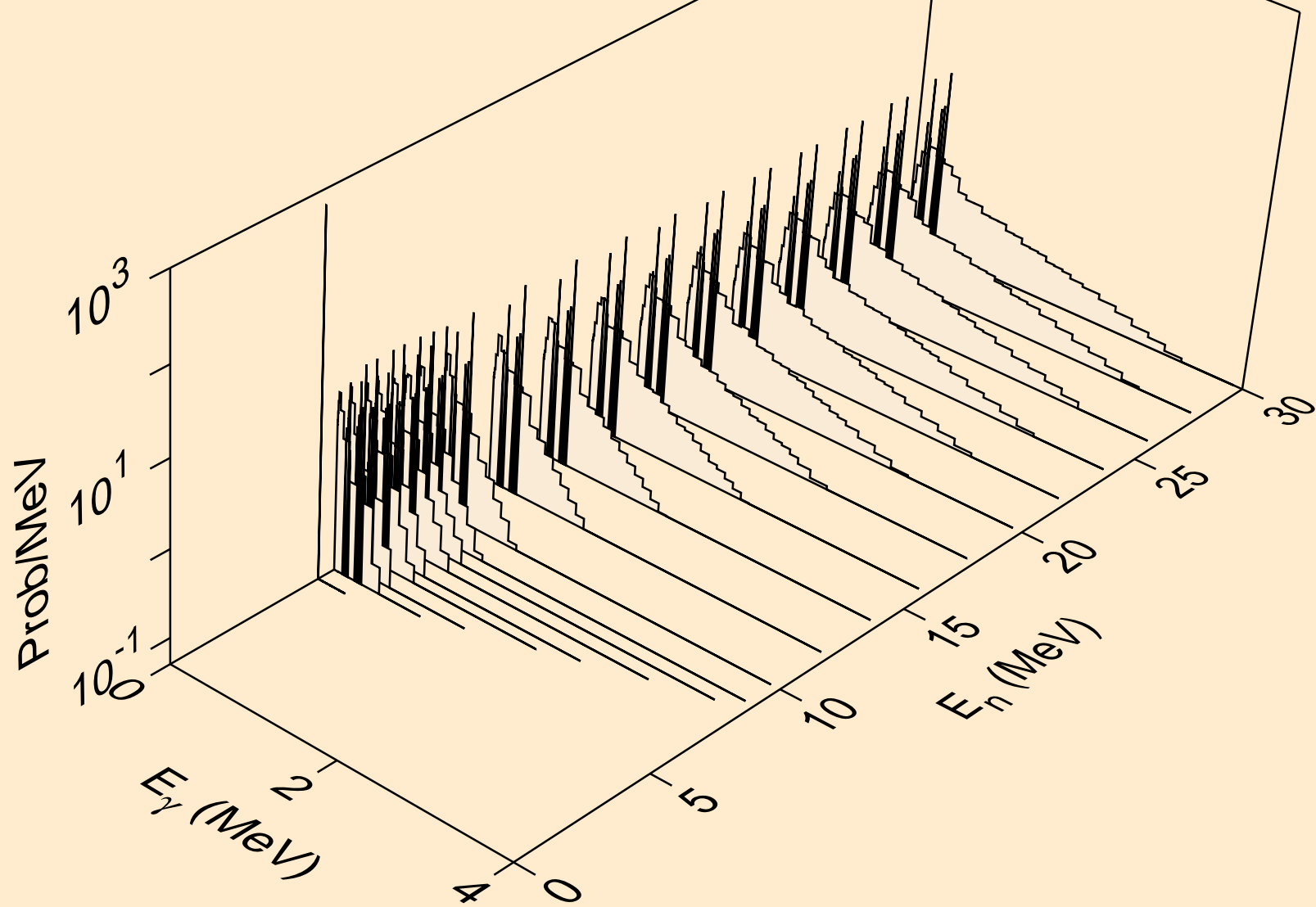
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Photon emission for (n,gma)



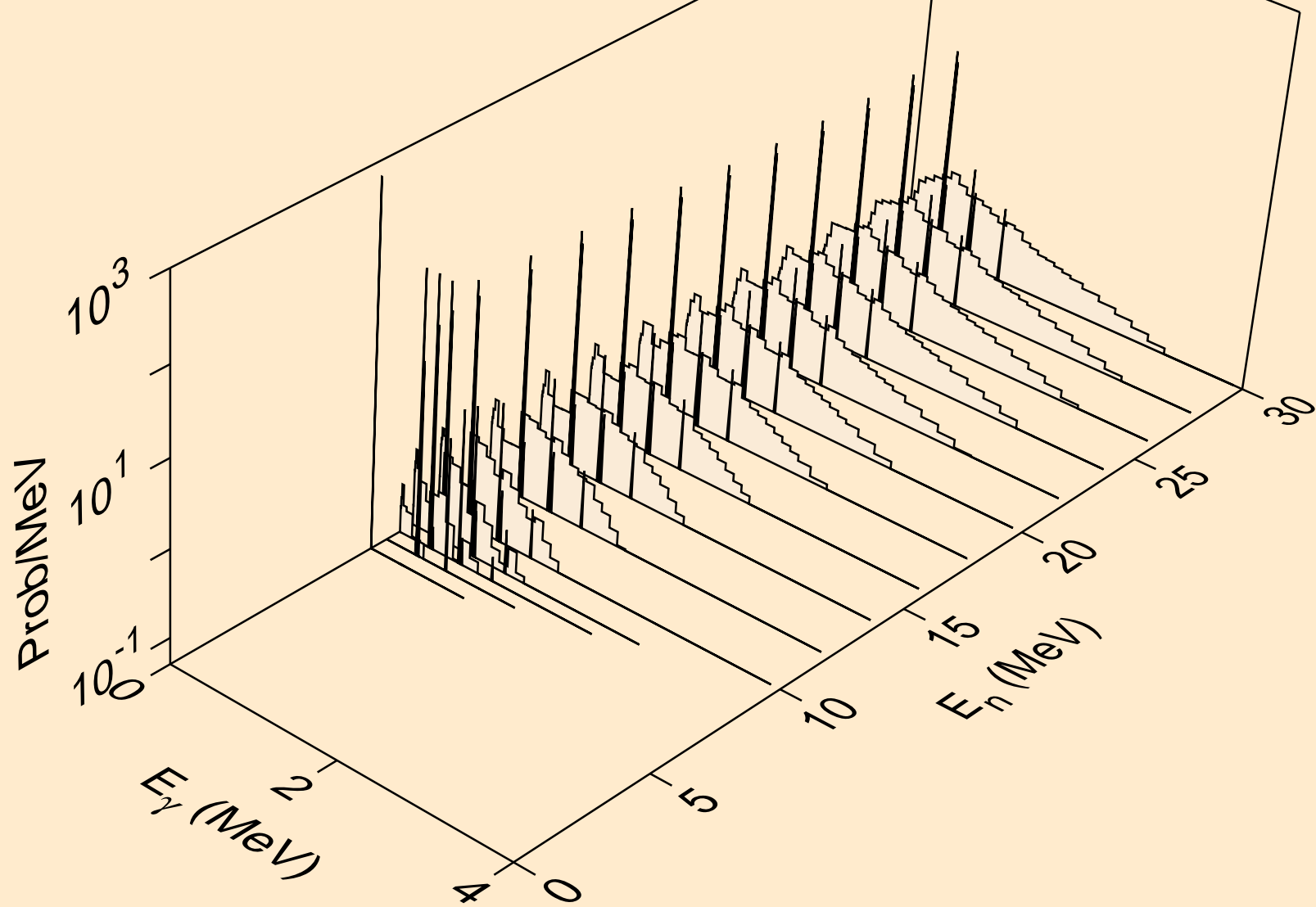
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Photon emission for (n,p)



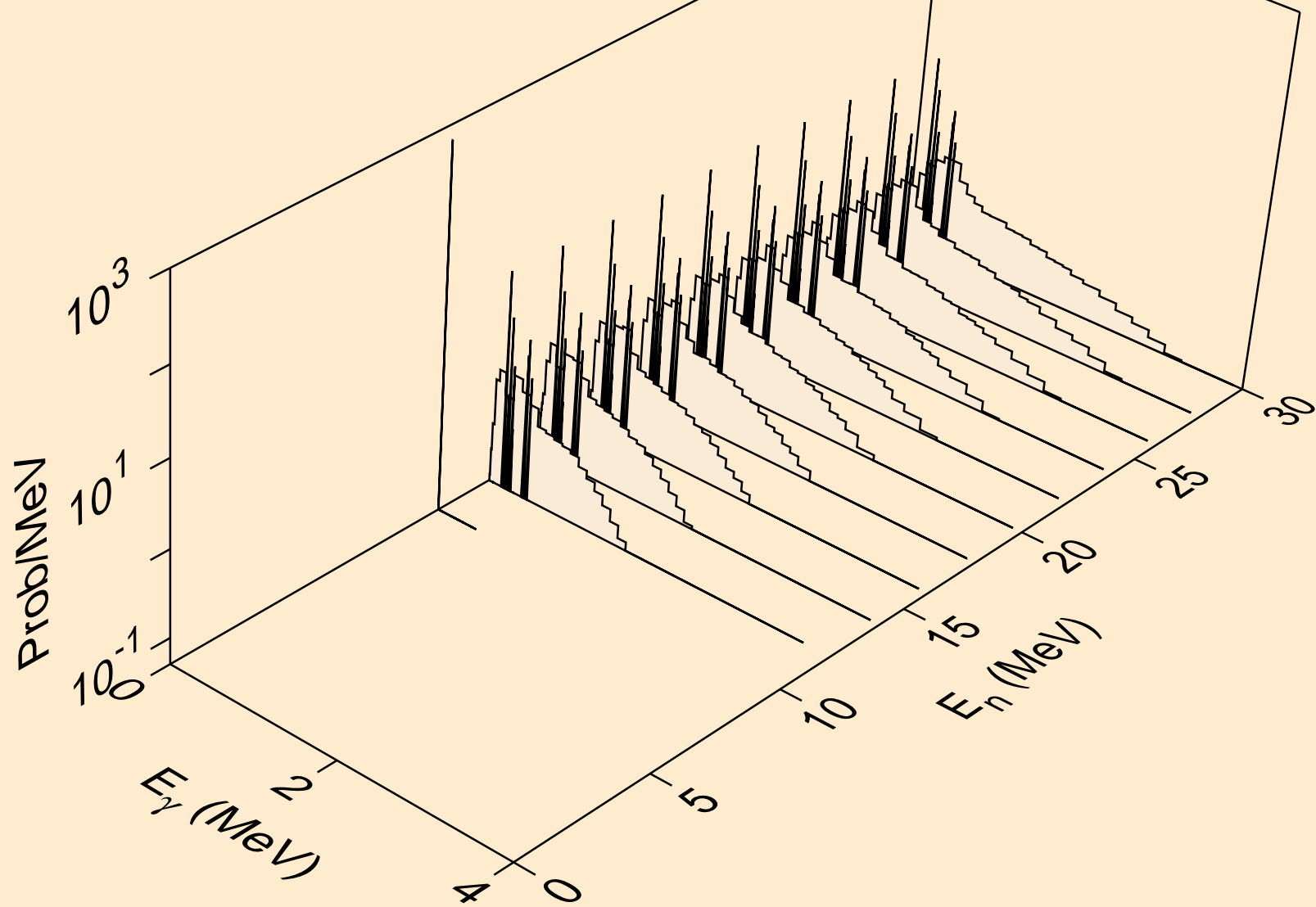
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Photon emission for (n,d)



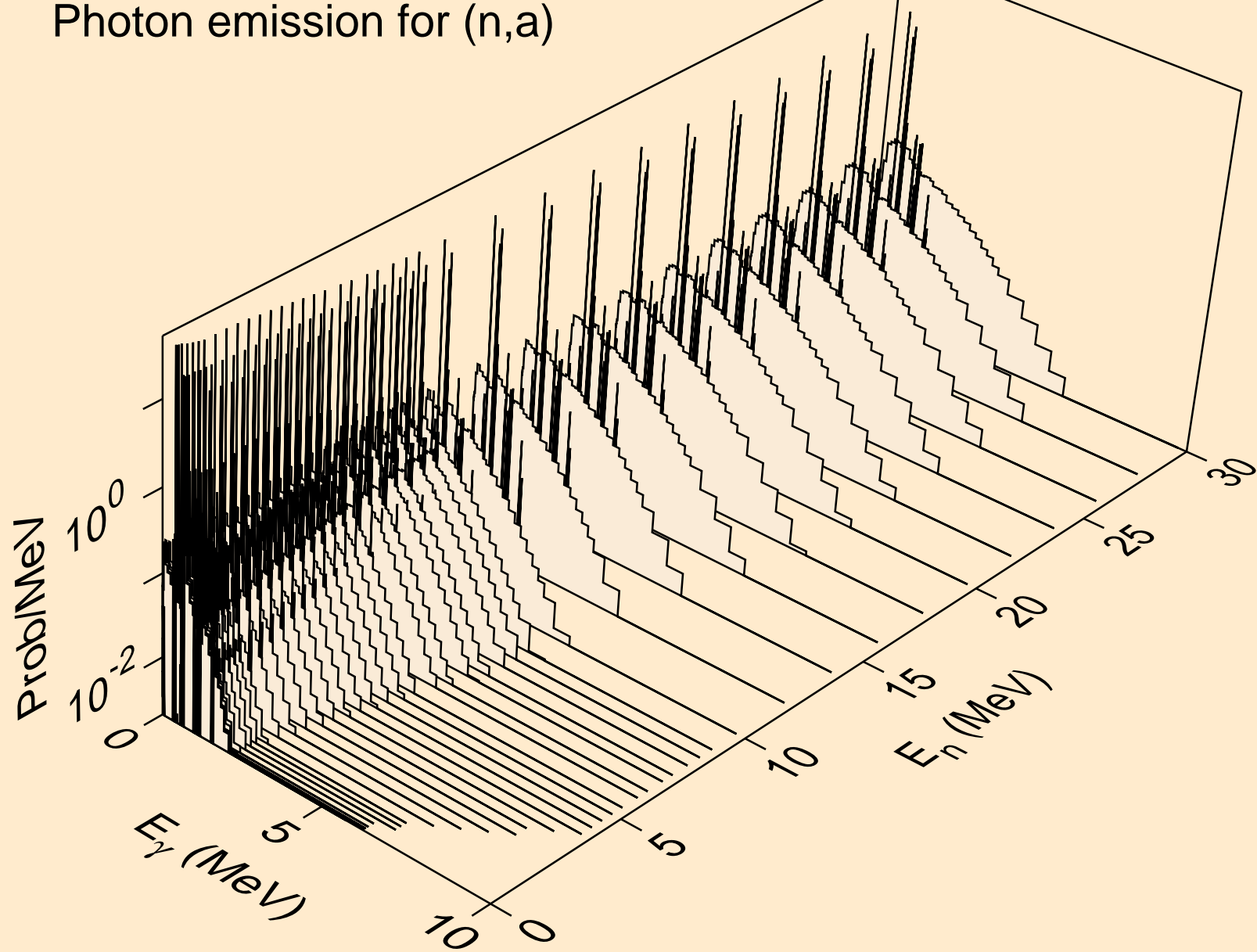
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Photon emission for (n,t)



PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)

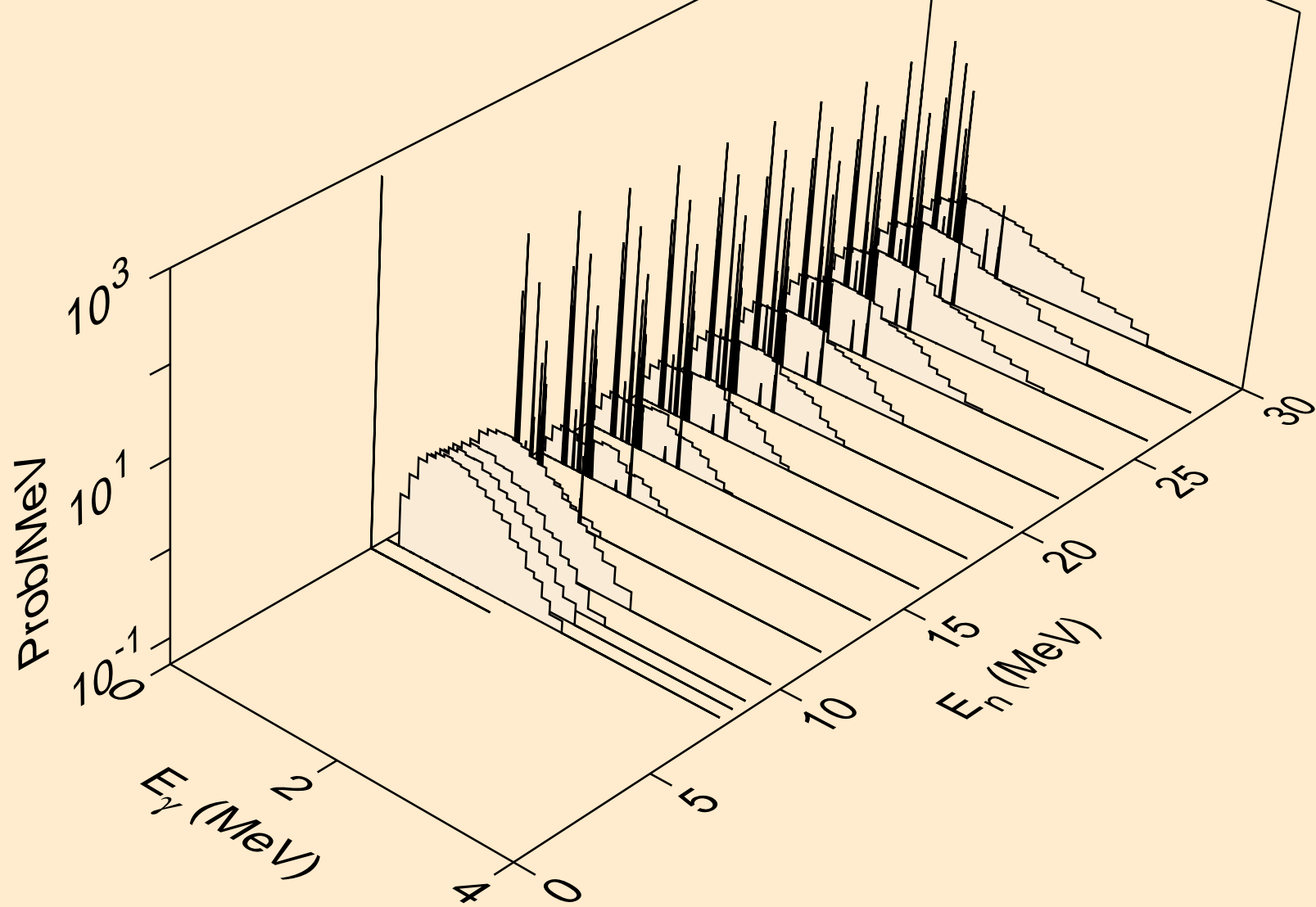


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Photon emission for (n,a)

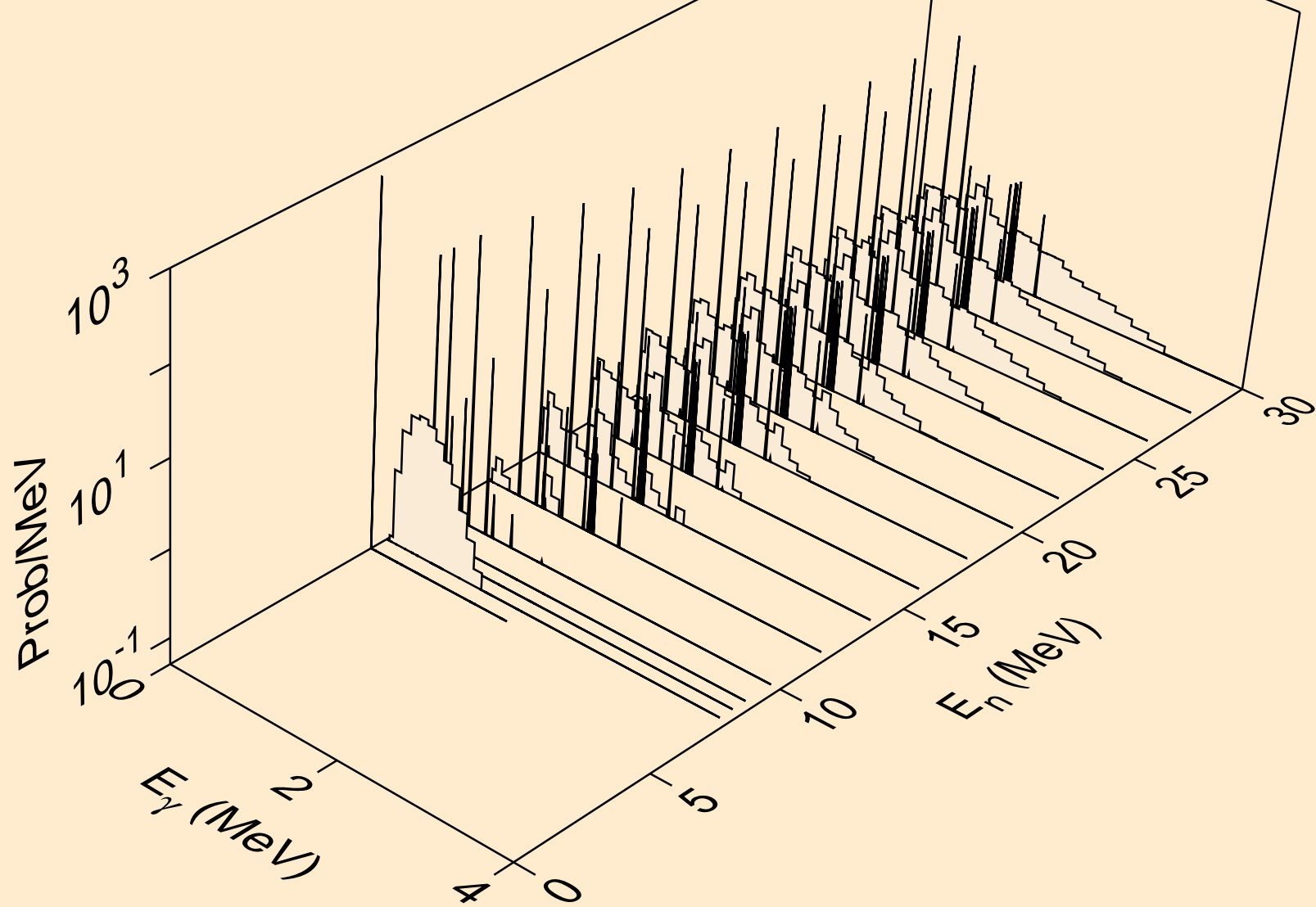




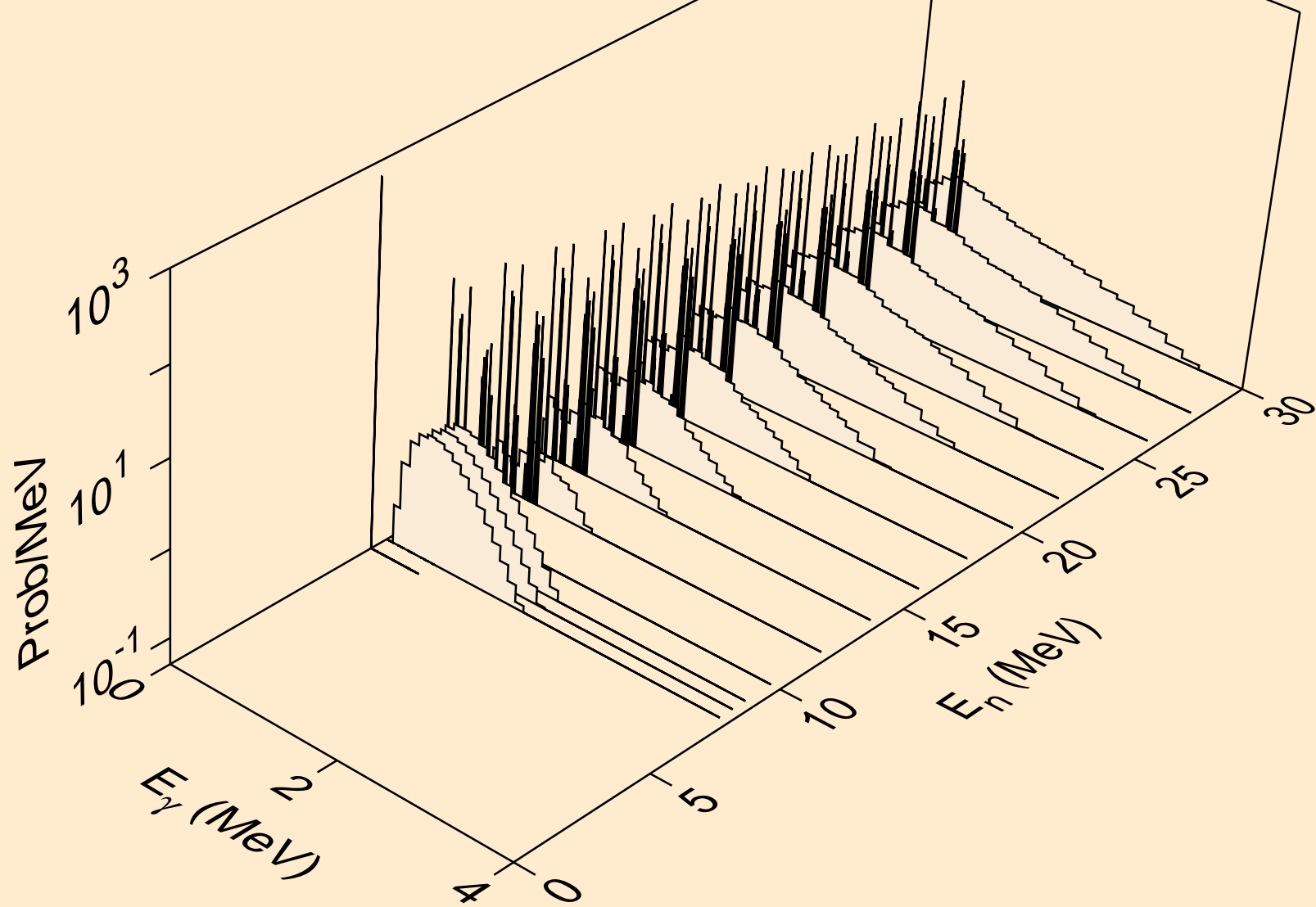
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Photon emission for (n,2a)



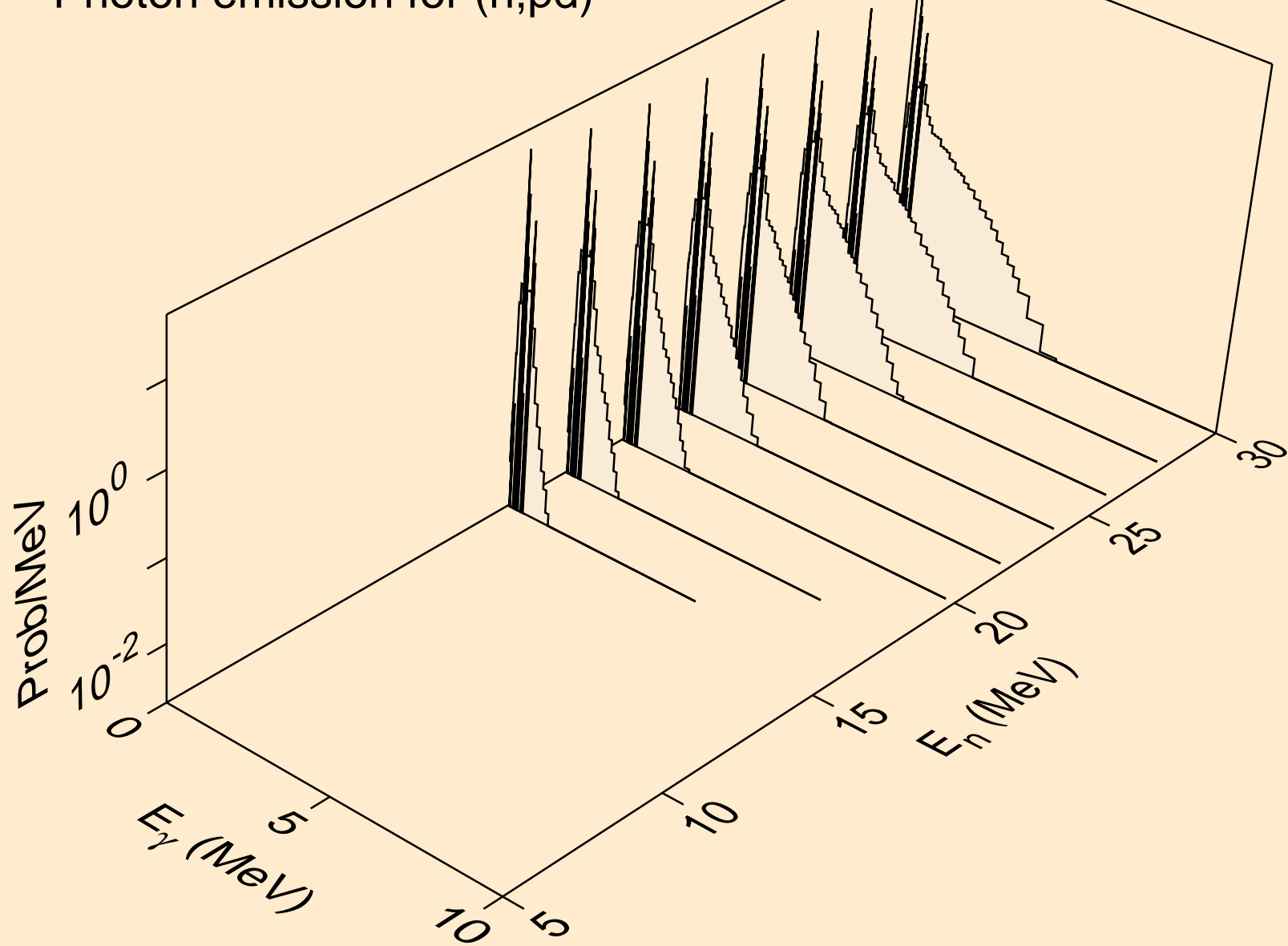
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Photon emission for (n,2p)



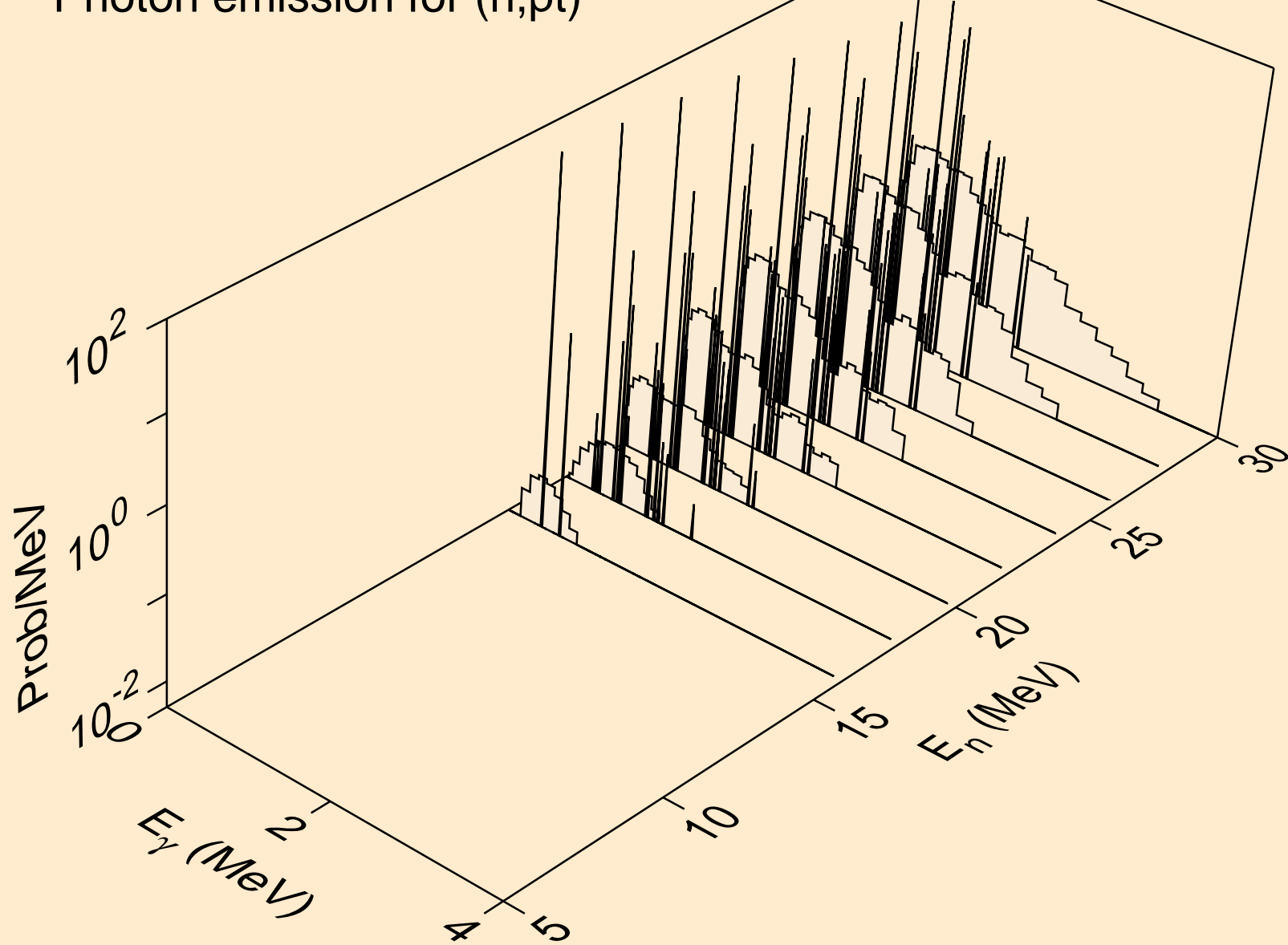
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Photon emission for (n,p $\alpha$ )



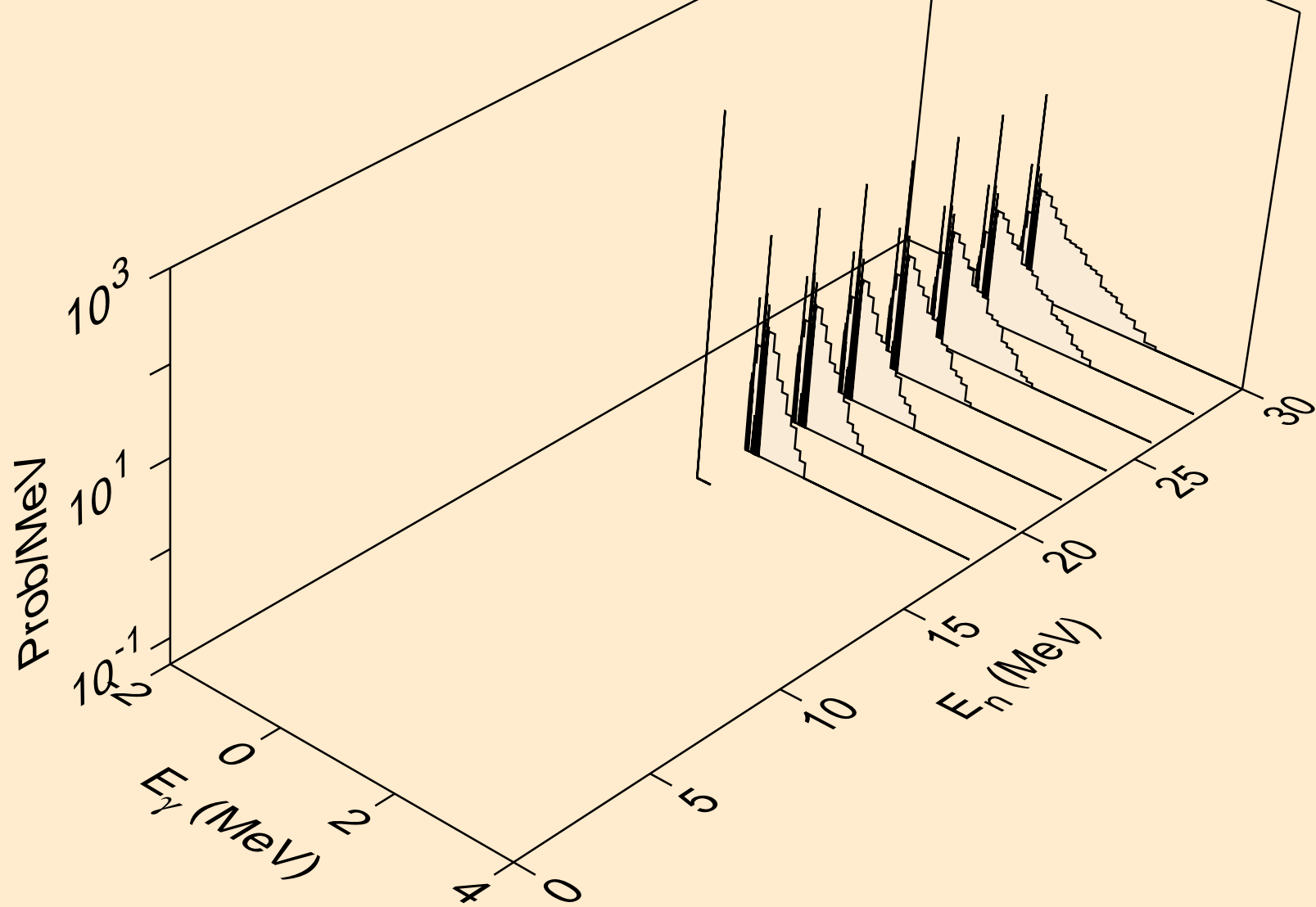
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Photon emission for (n,pd)



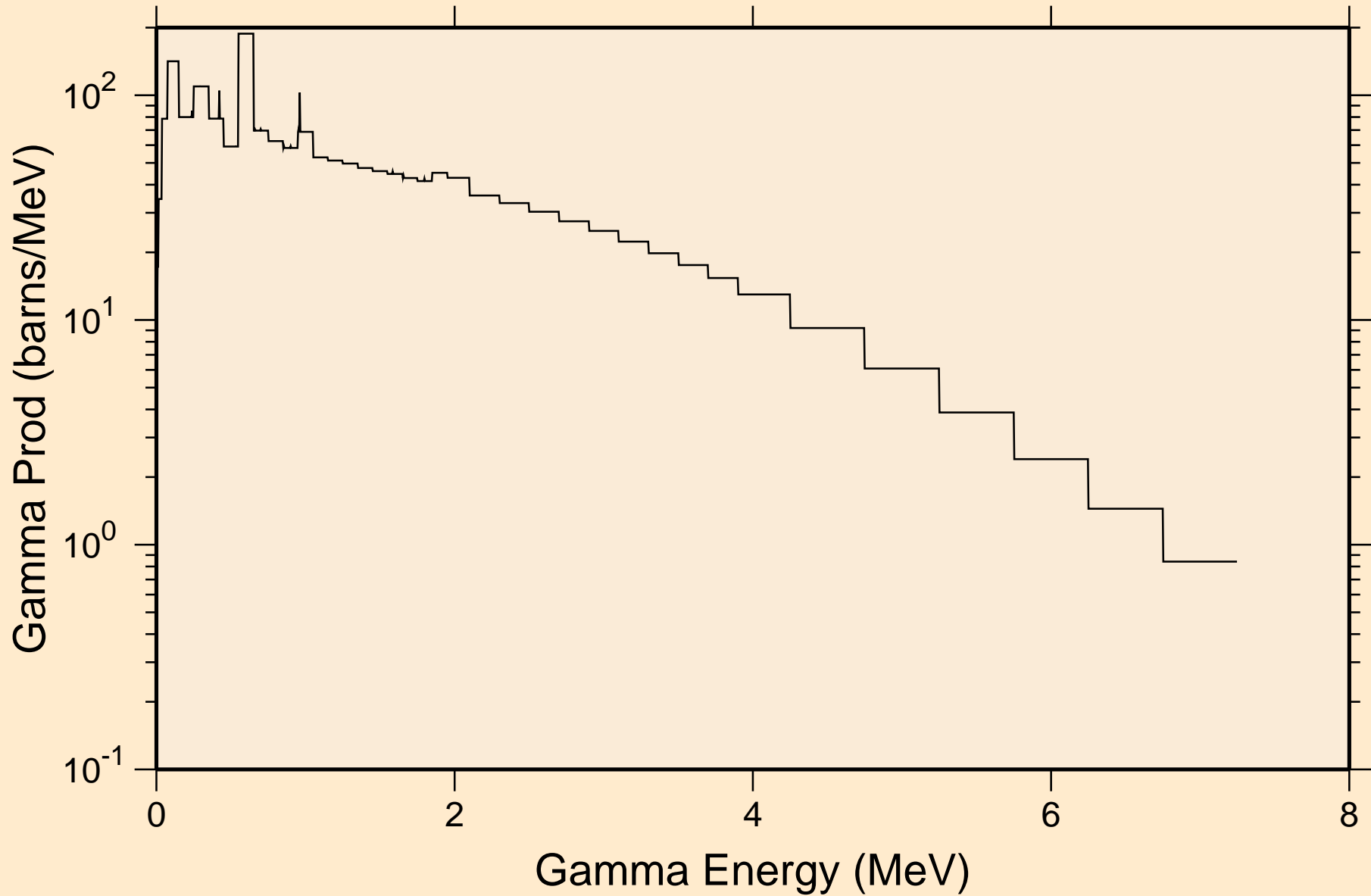
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Photon emission for (n,pt)



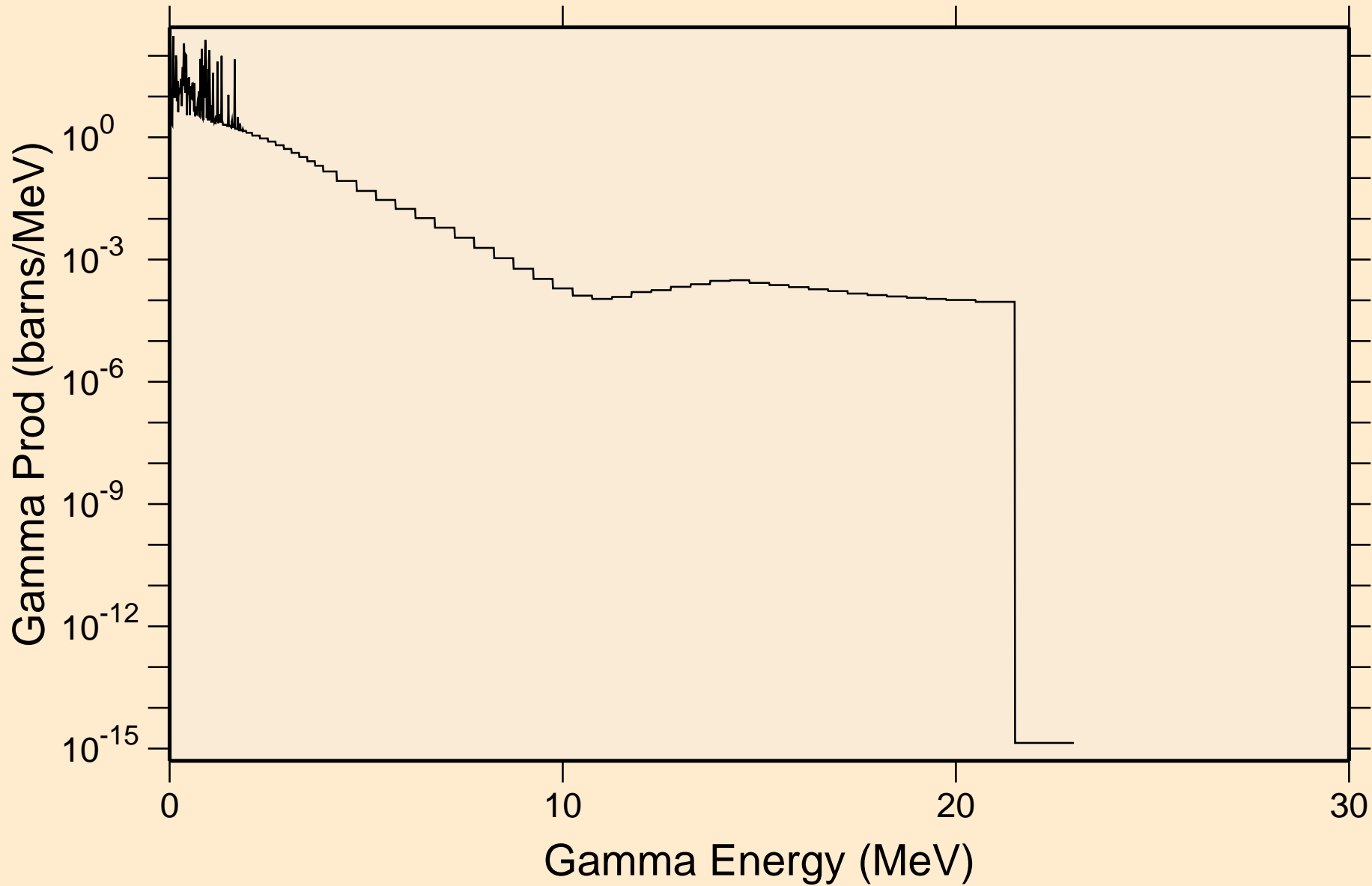
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Photon emission for (n,da)



PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum



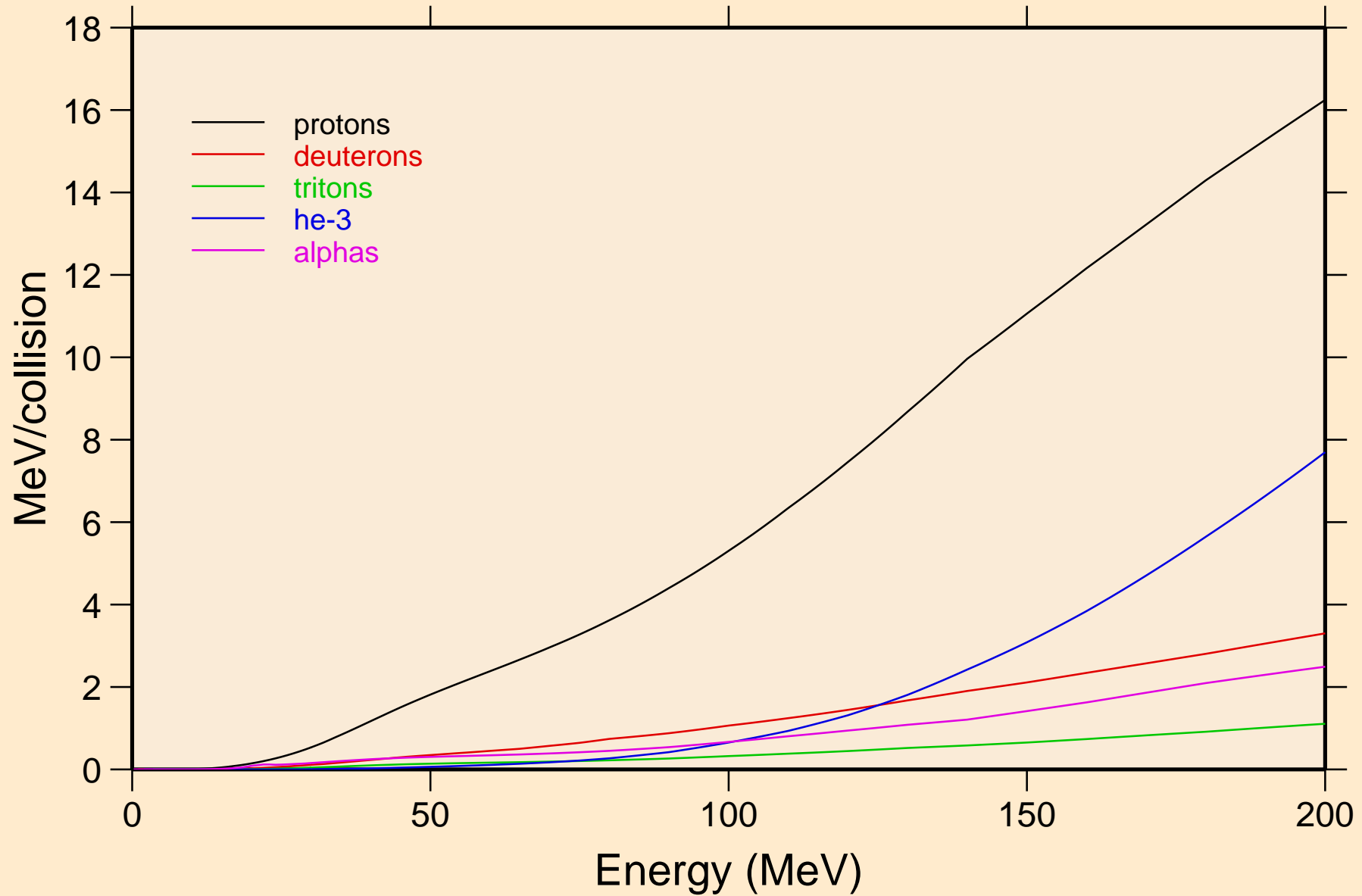
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14 MeV photon spectrum



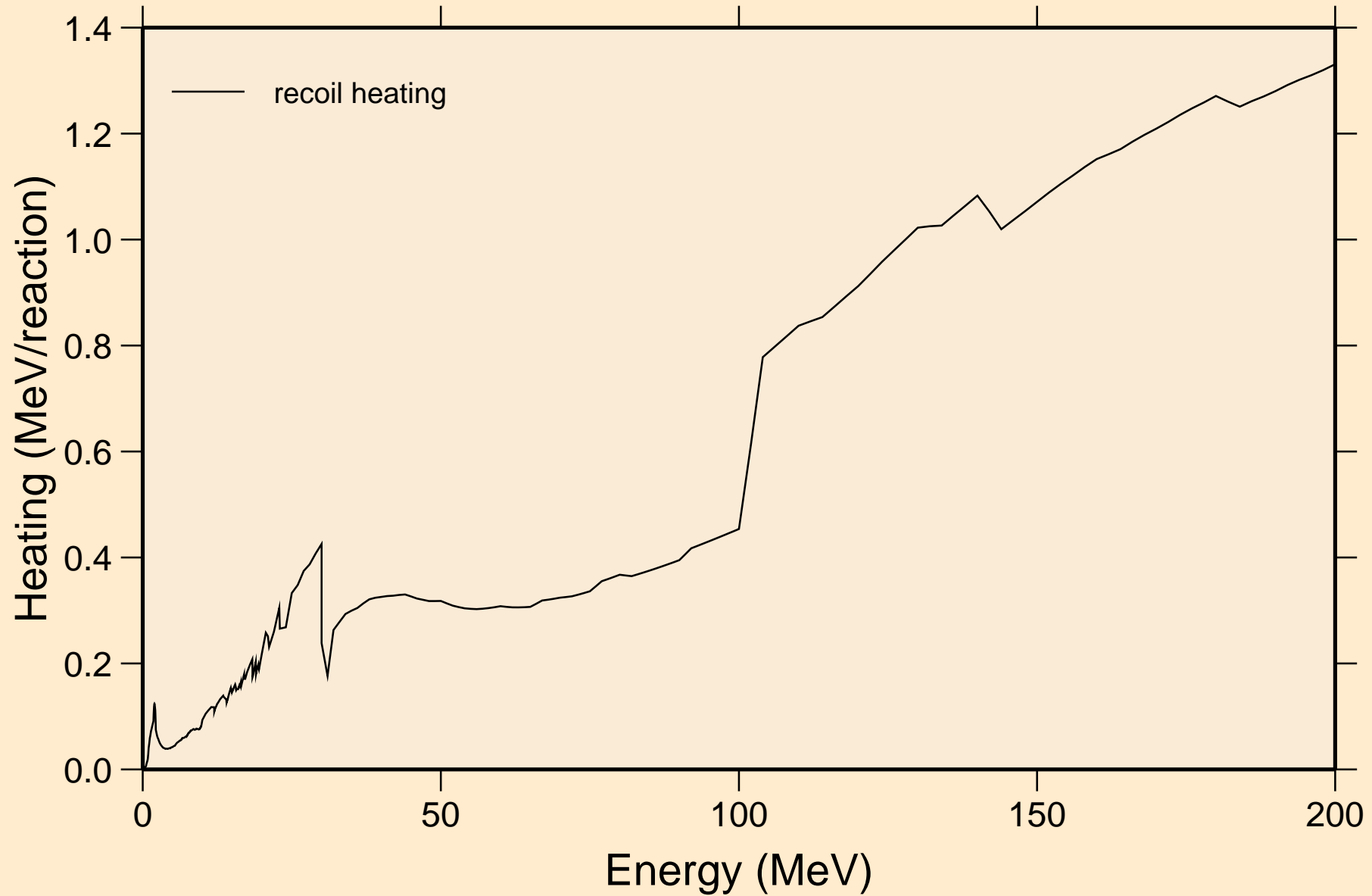


# PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

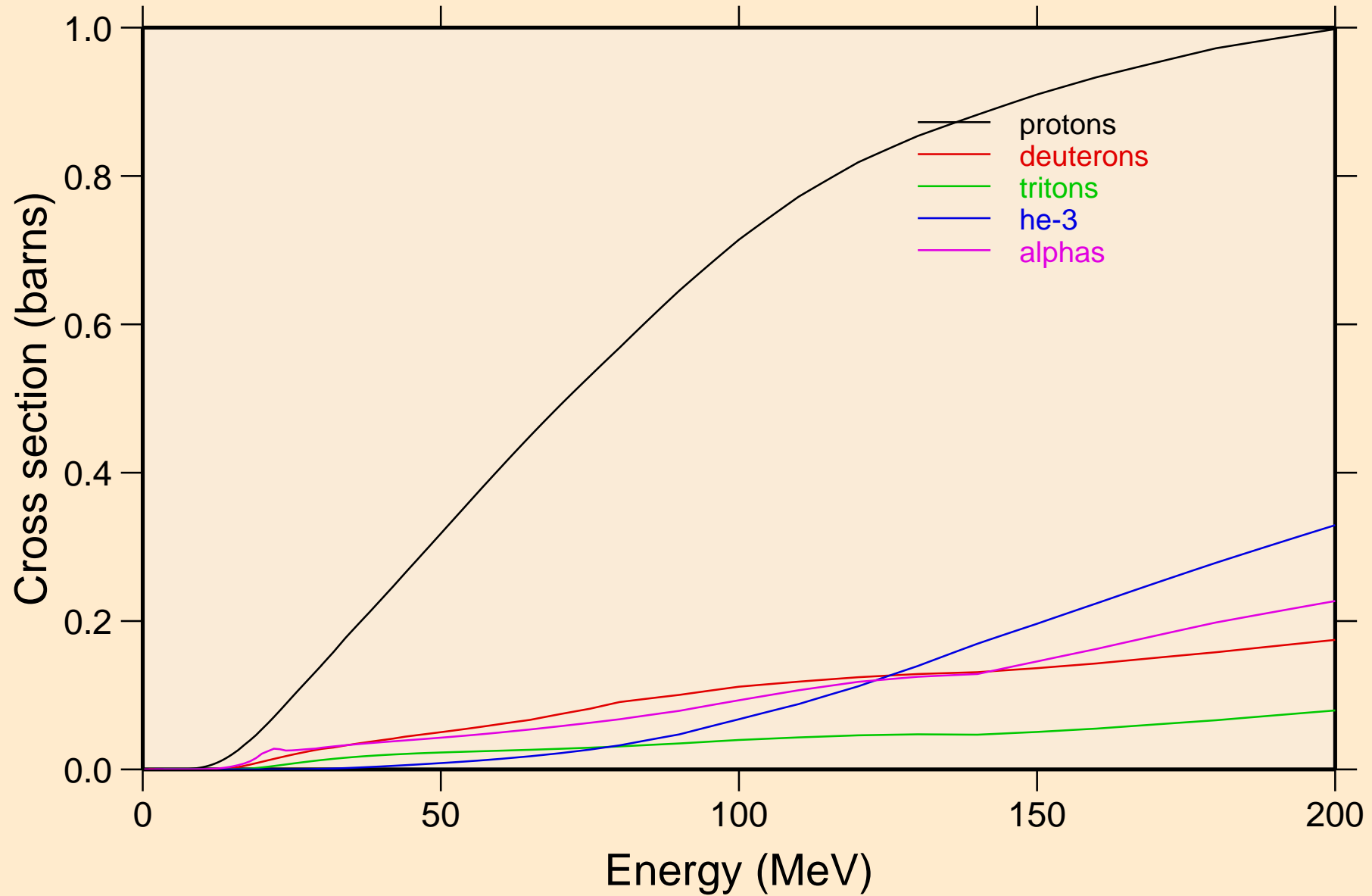
## Particle heating contributions



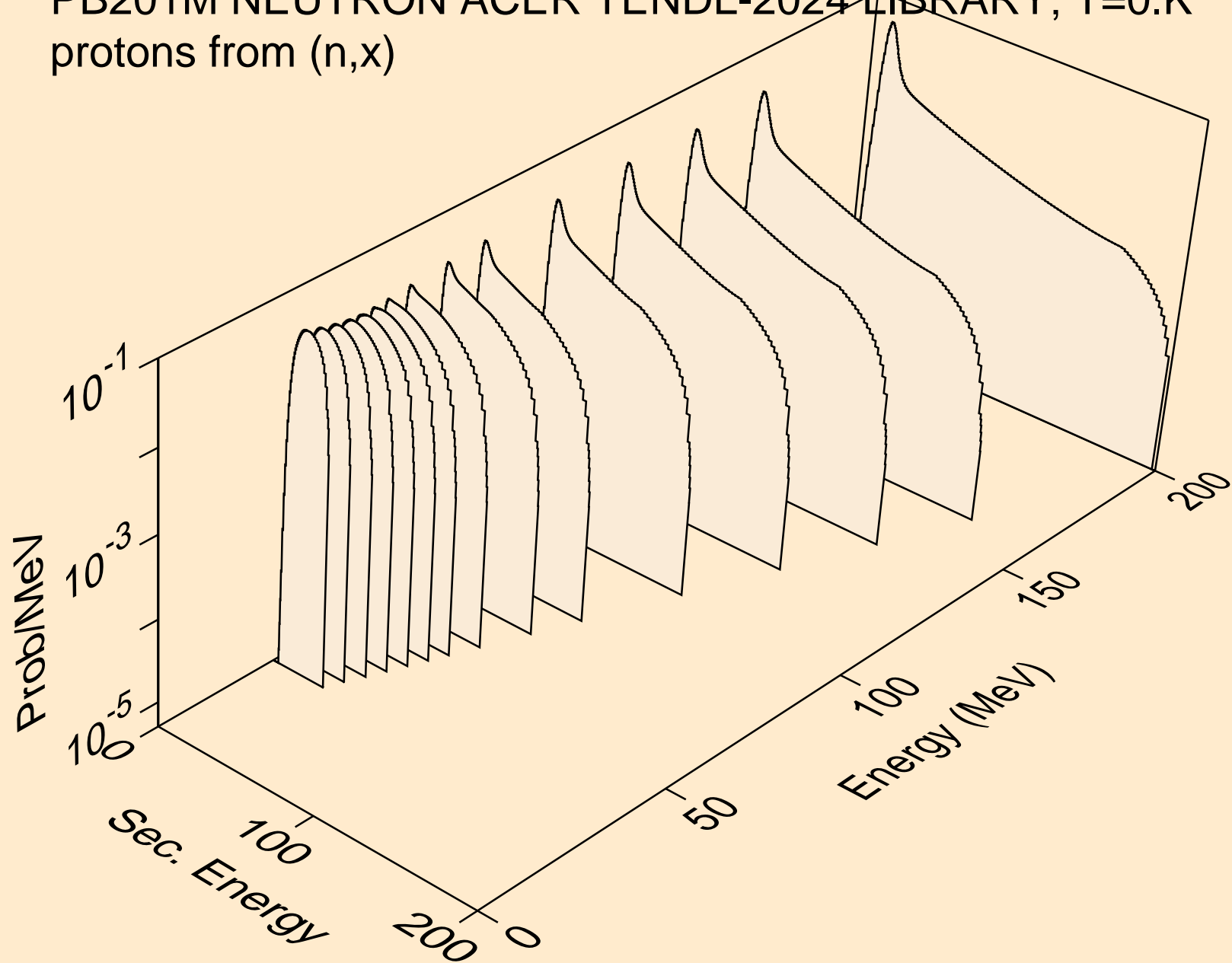
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Recoil Heating



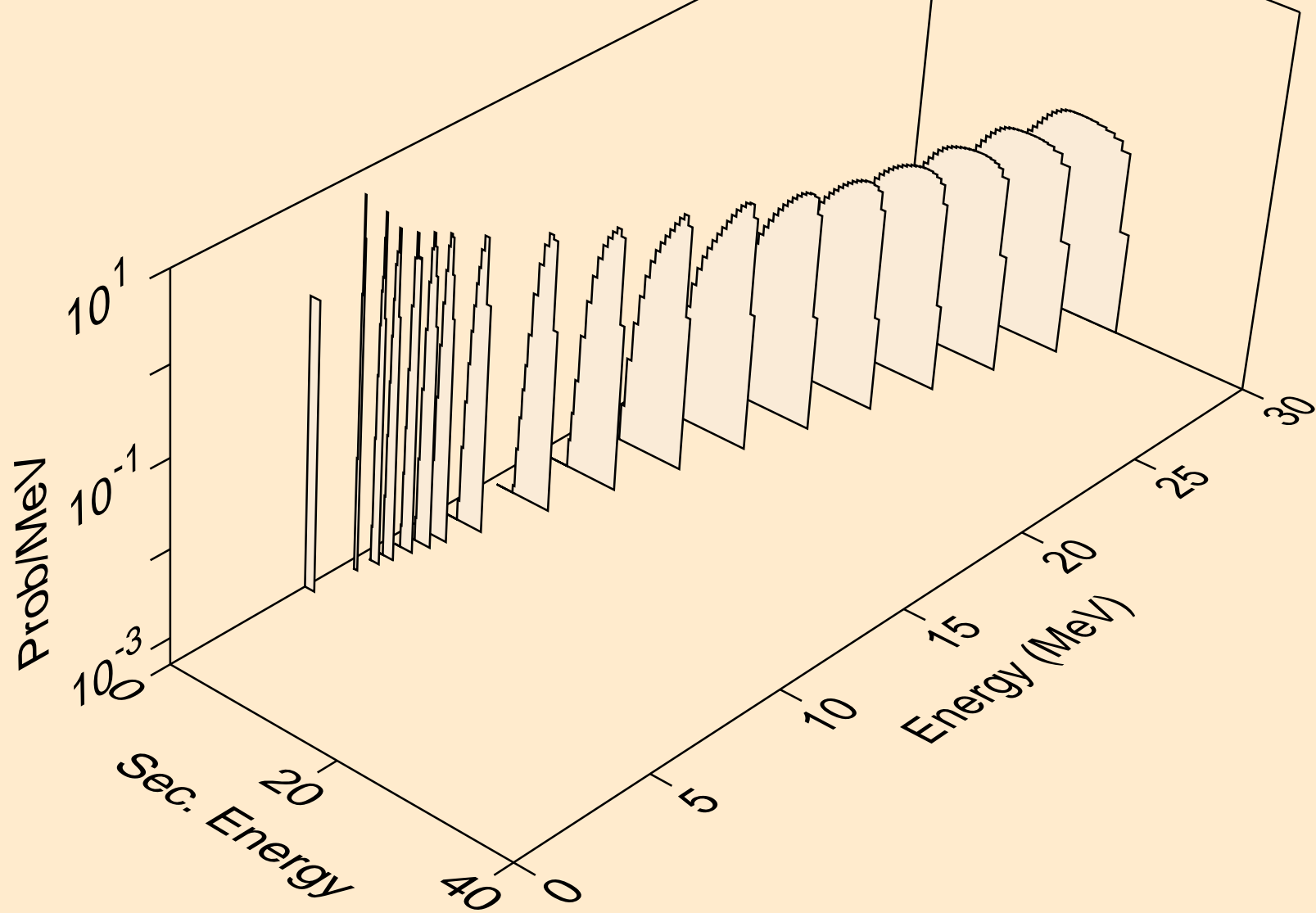
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Particle production cross sections



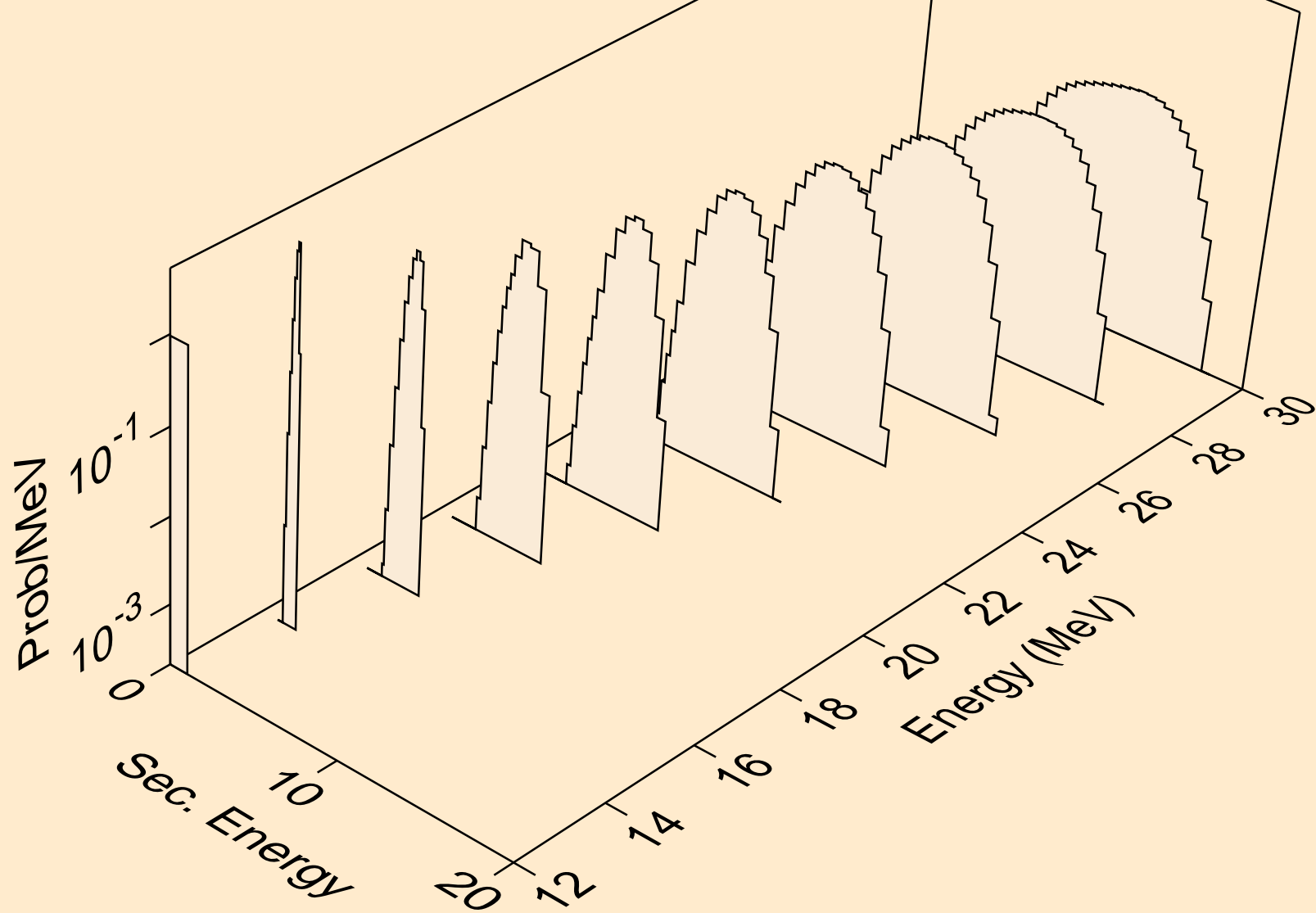
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protons from (n,x)



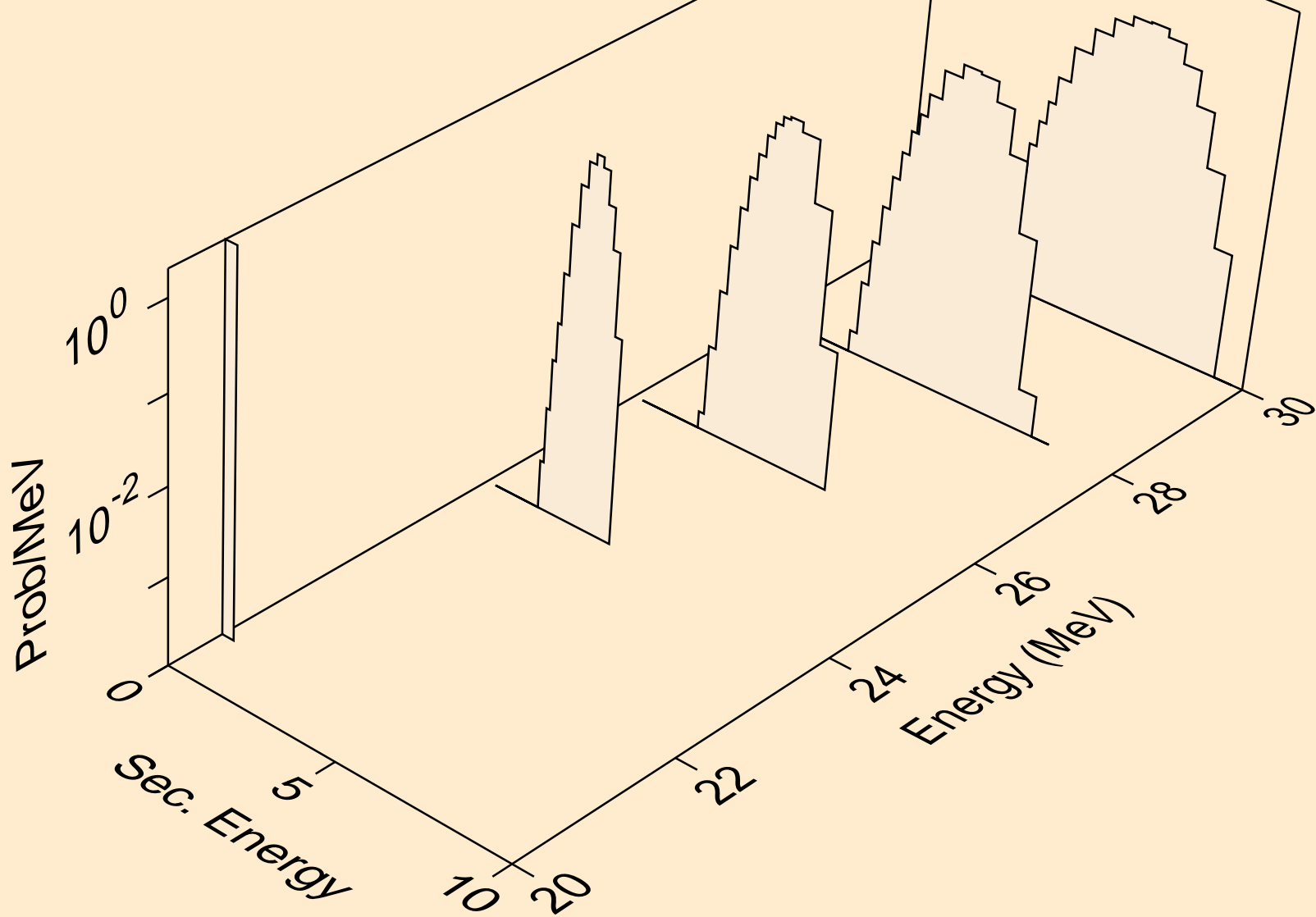
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protons from (n,n\*)p



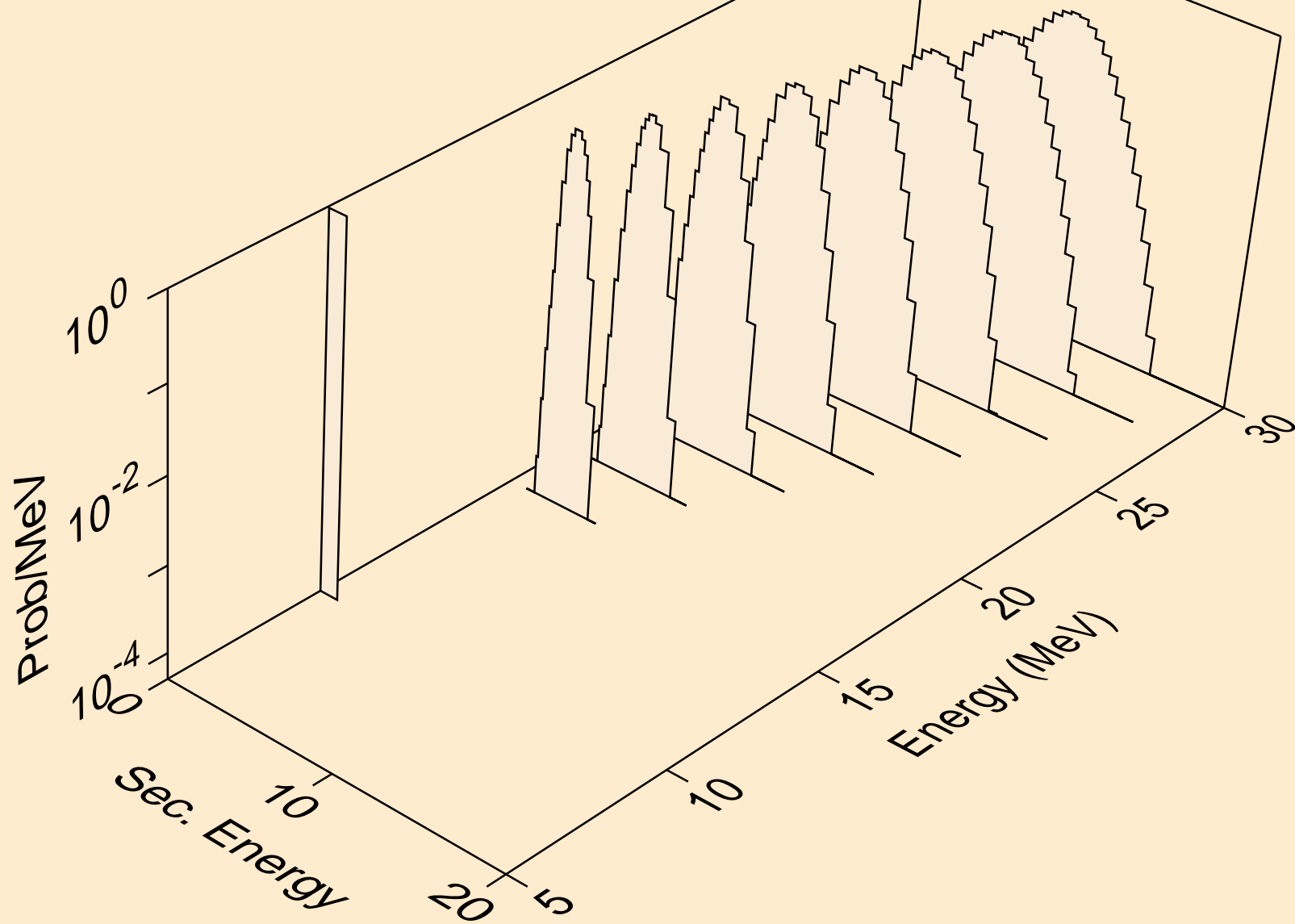
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protons from (n,2np)



PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)

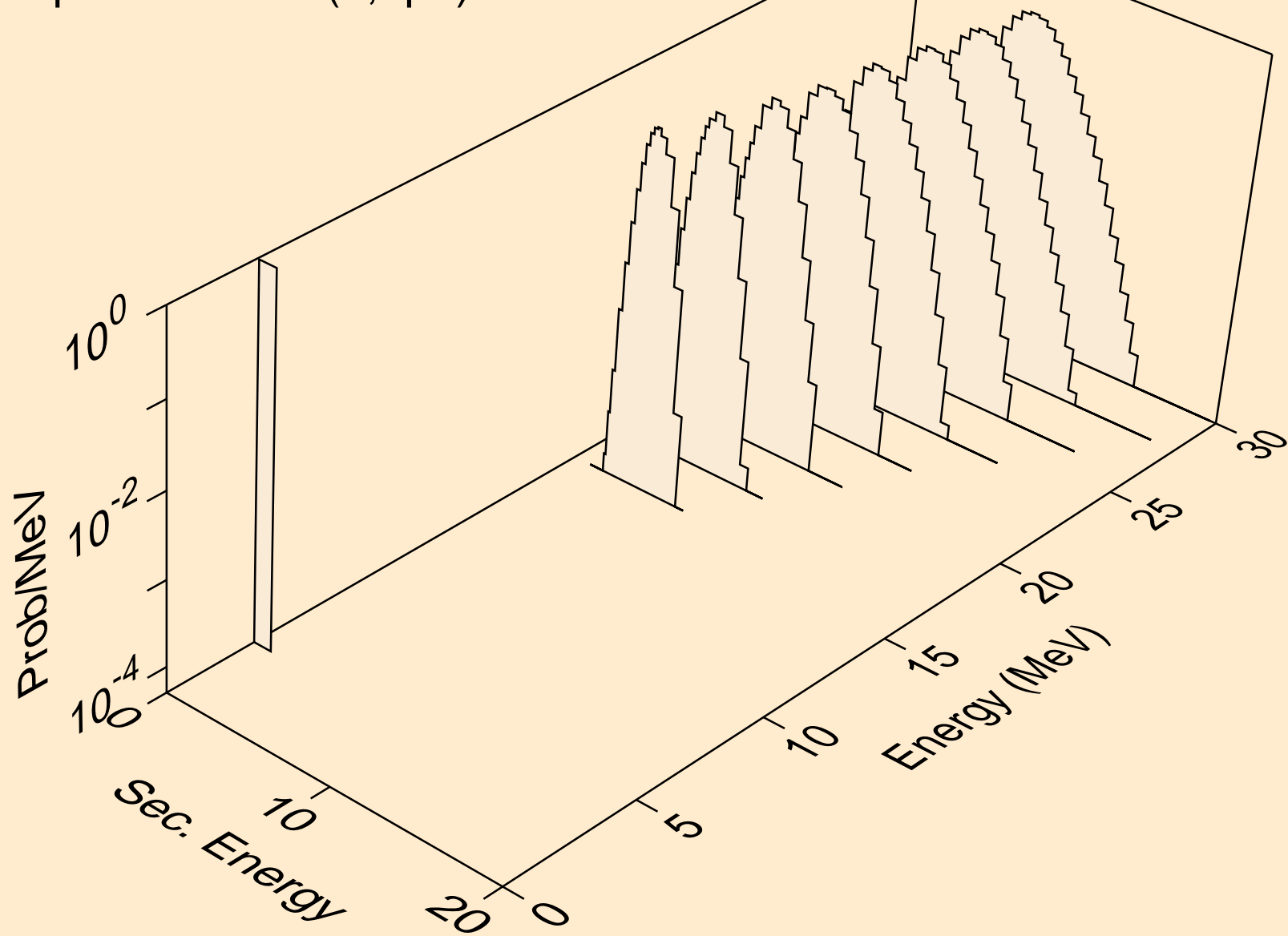


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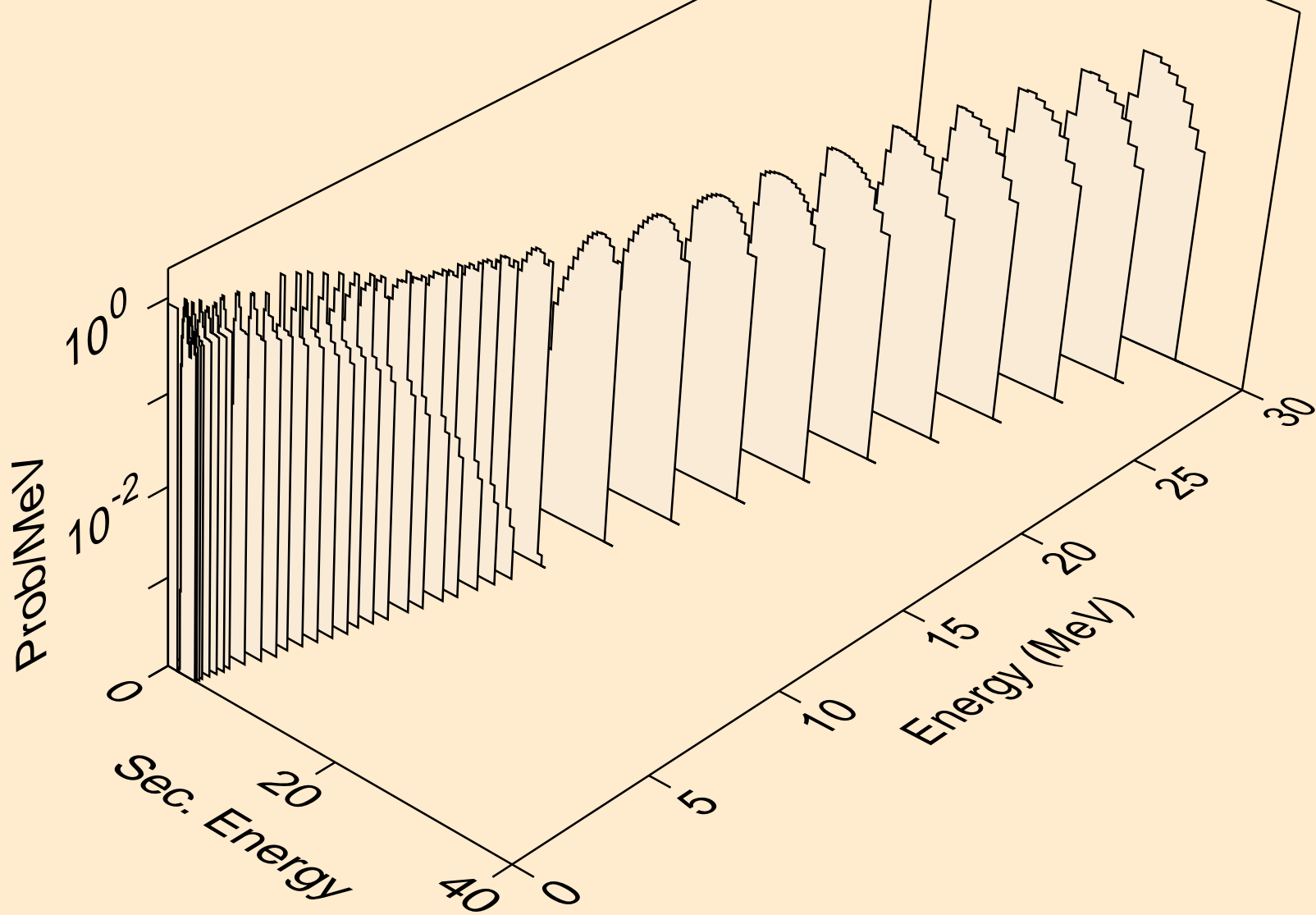




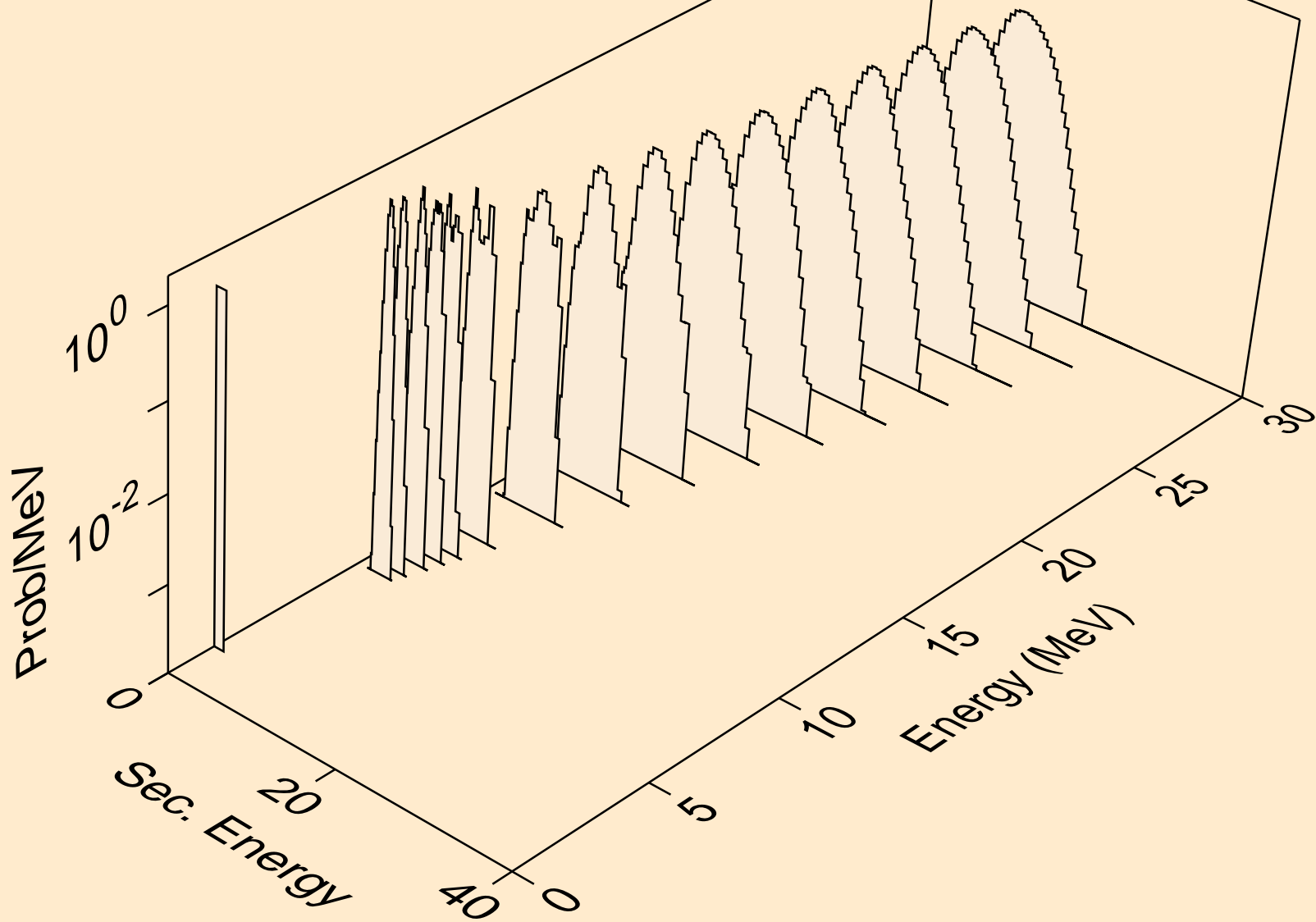
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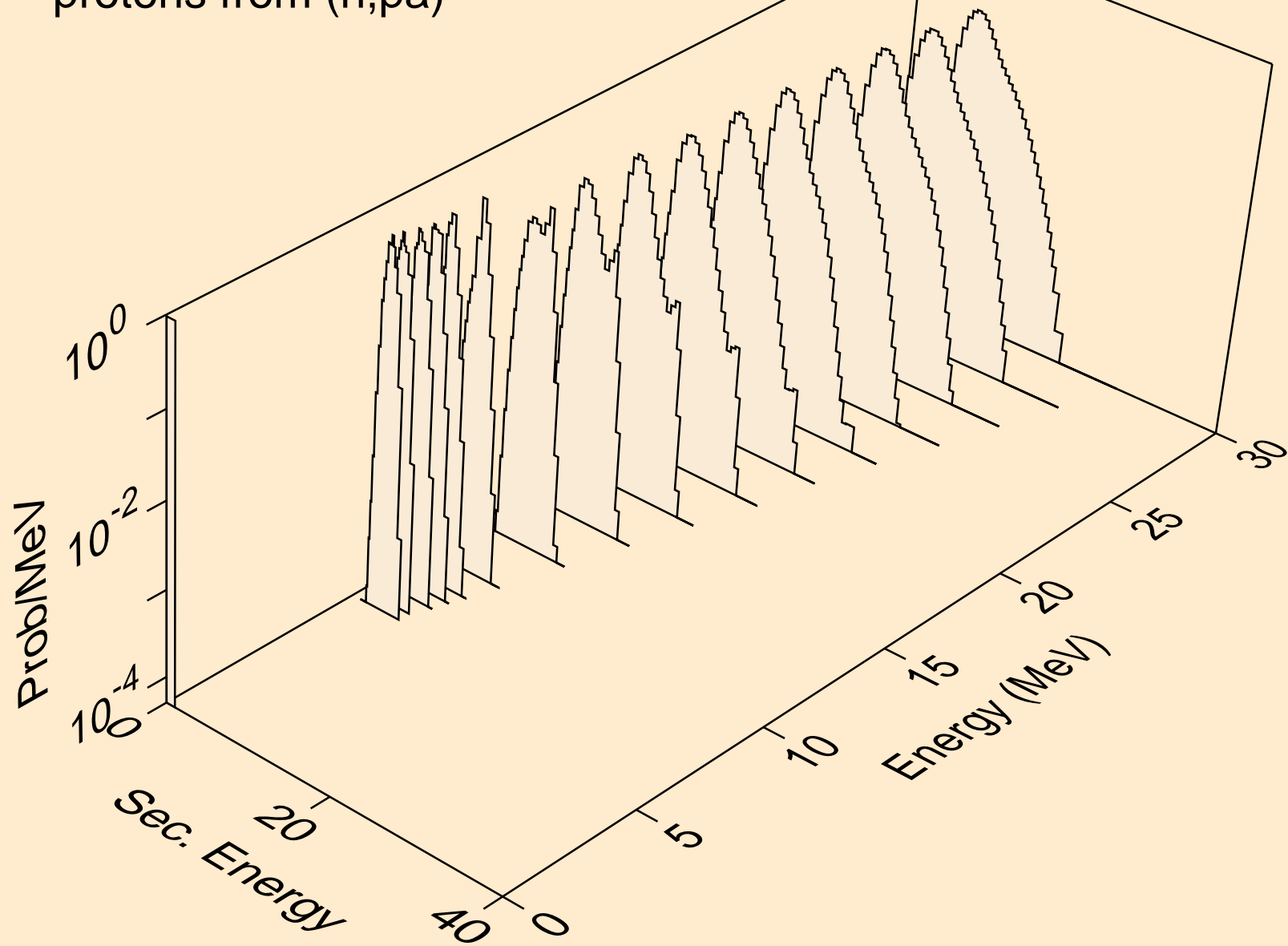
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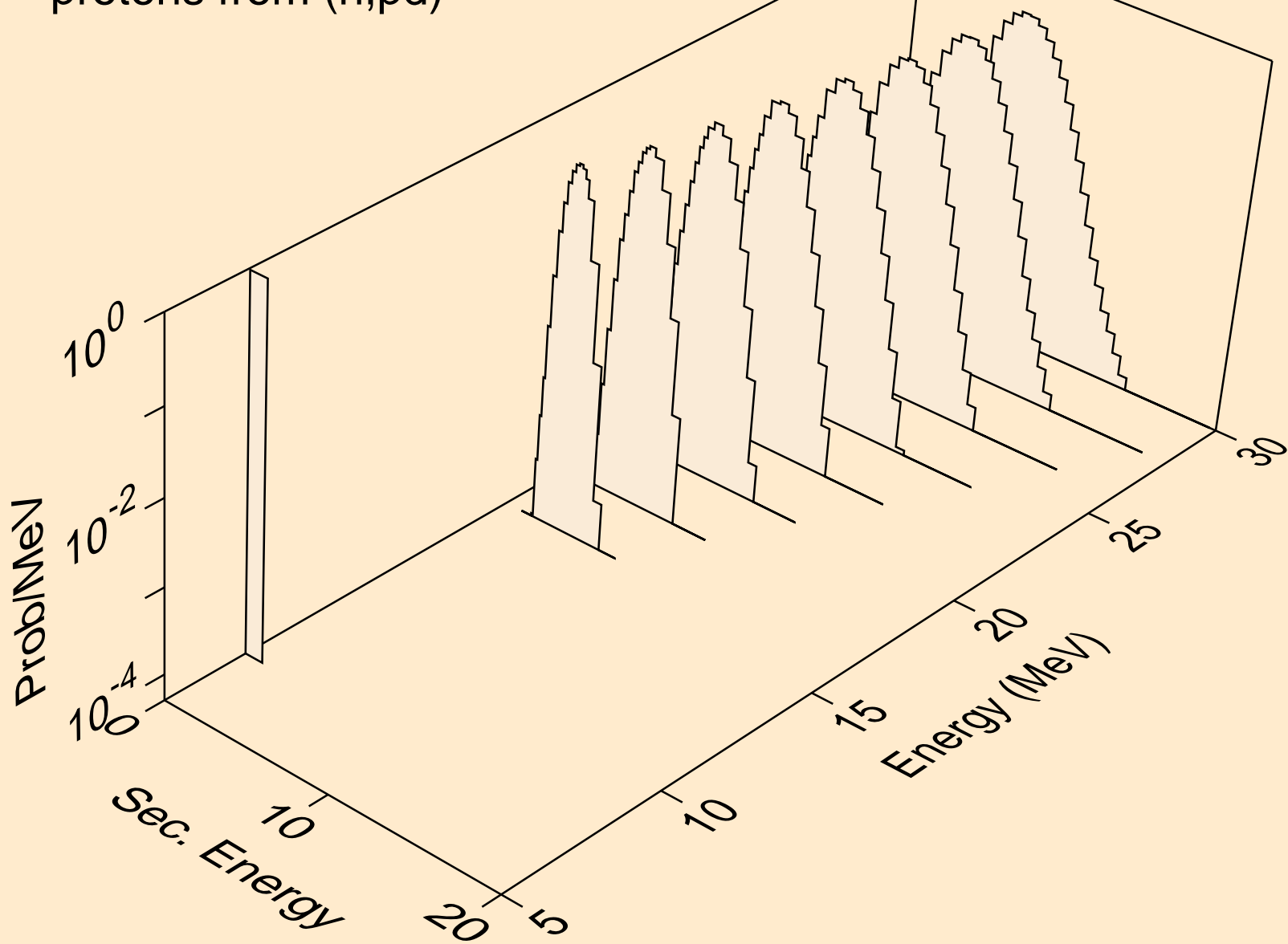
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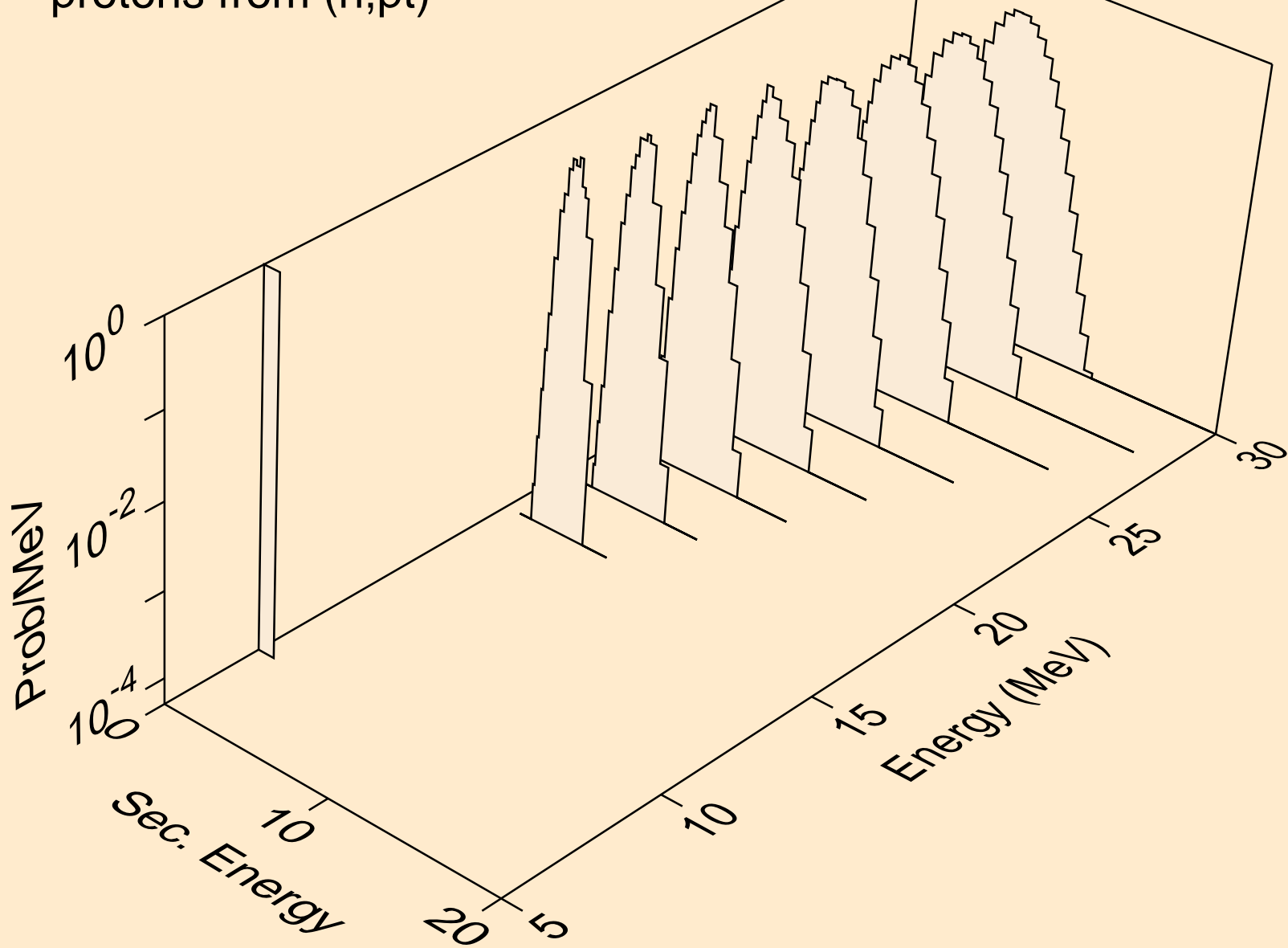
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protons from (n,p)



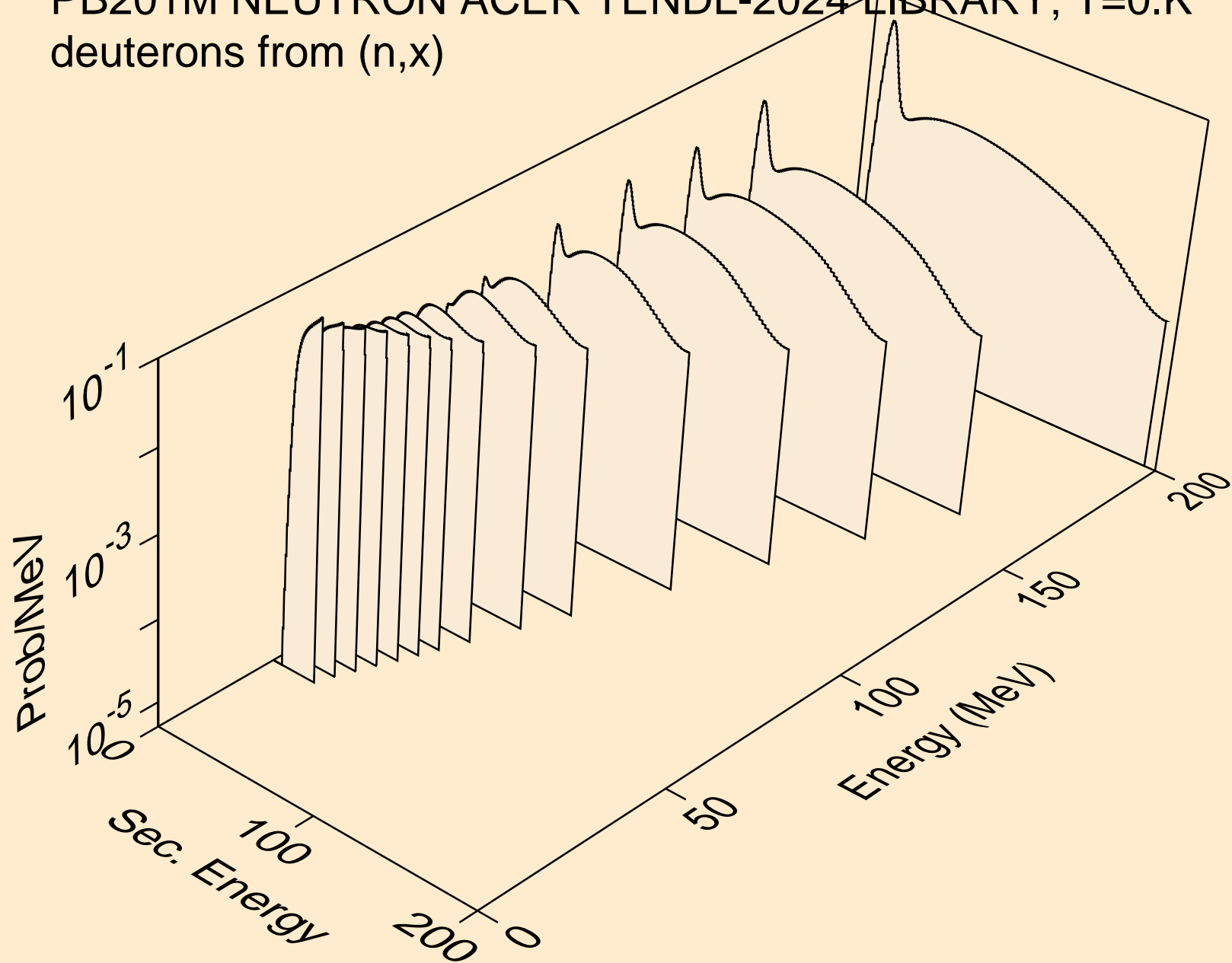
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protons from (n,pd)



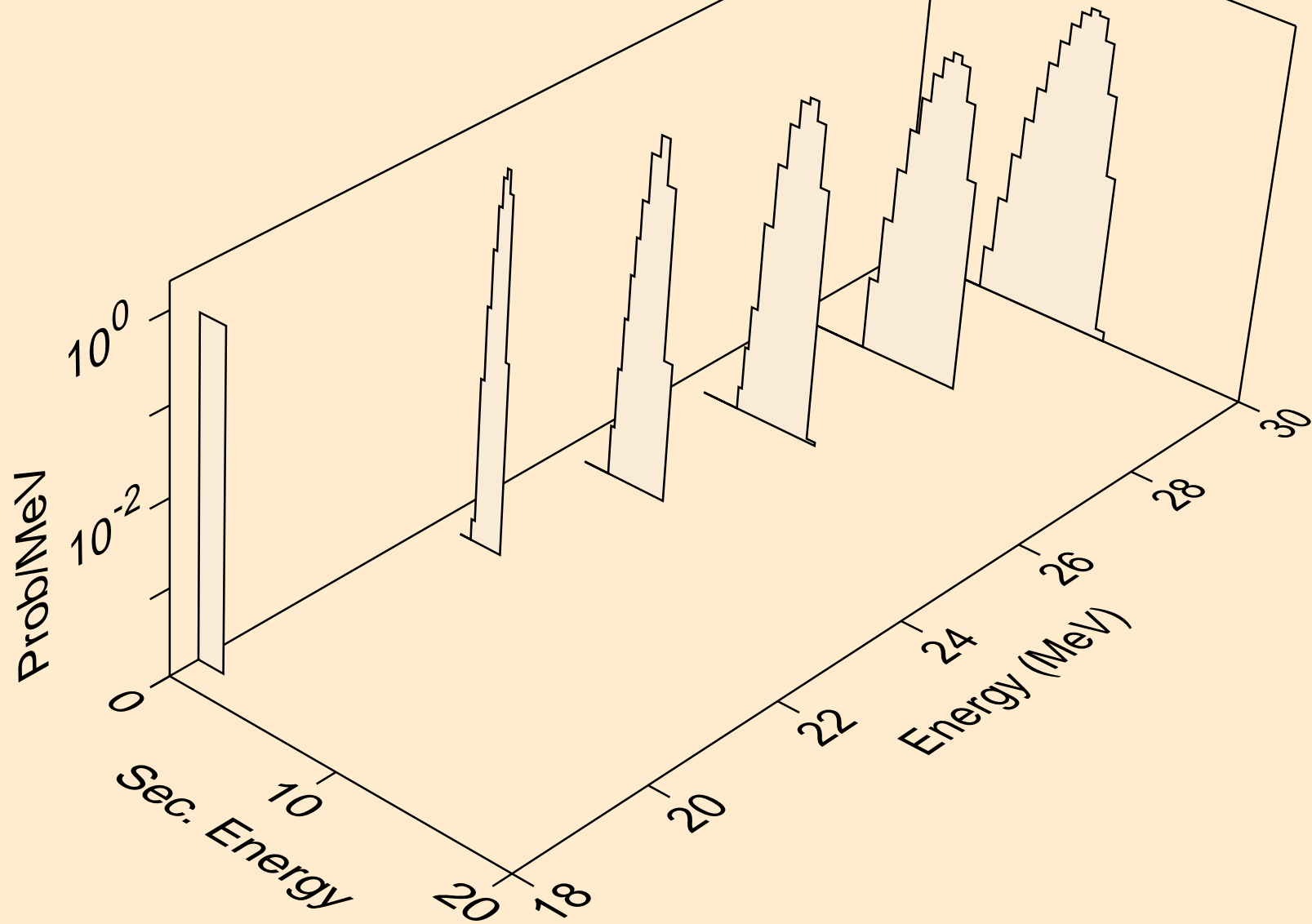
PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pt)



PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)

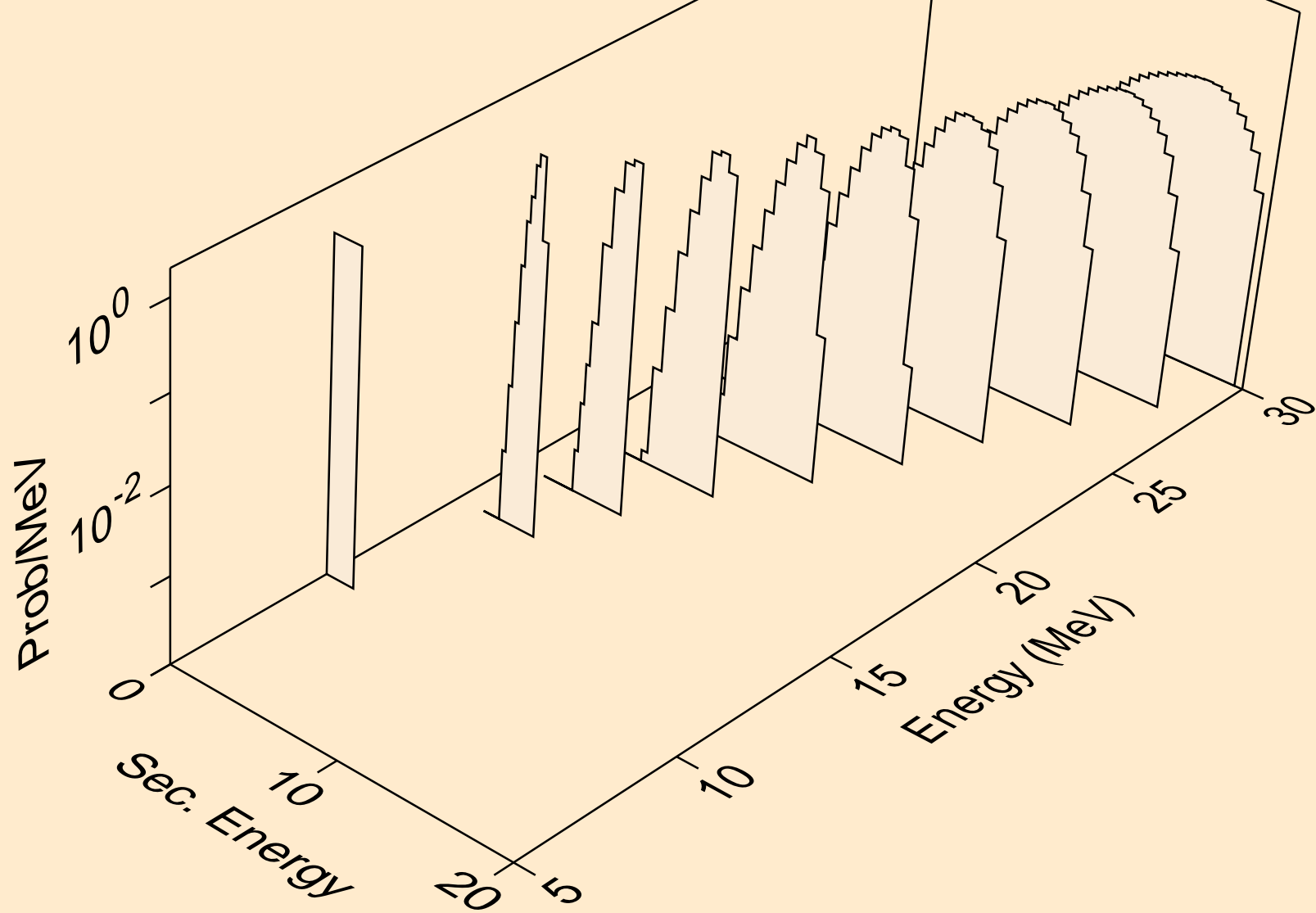


PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,2nd)

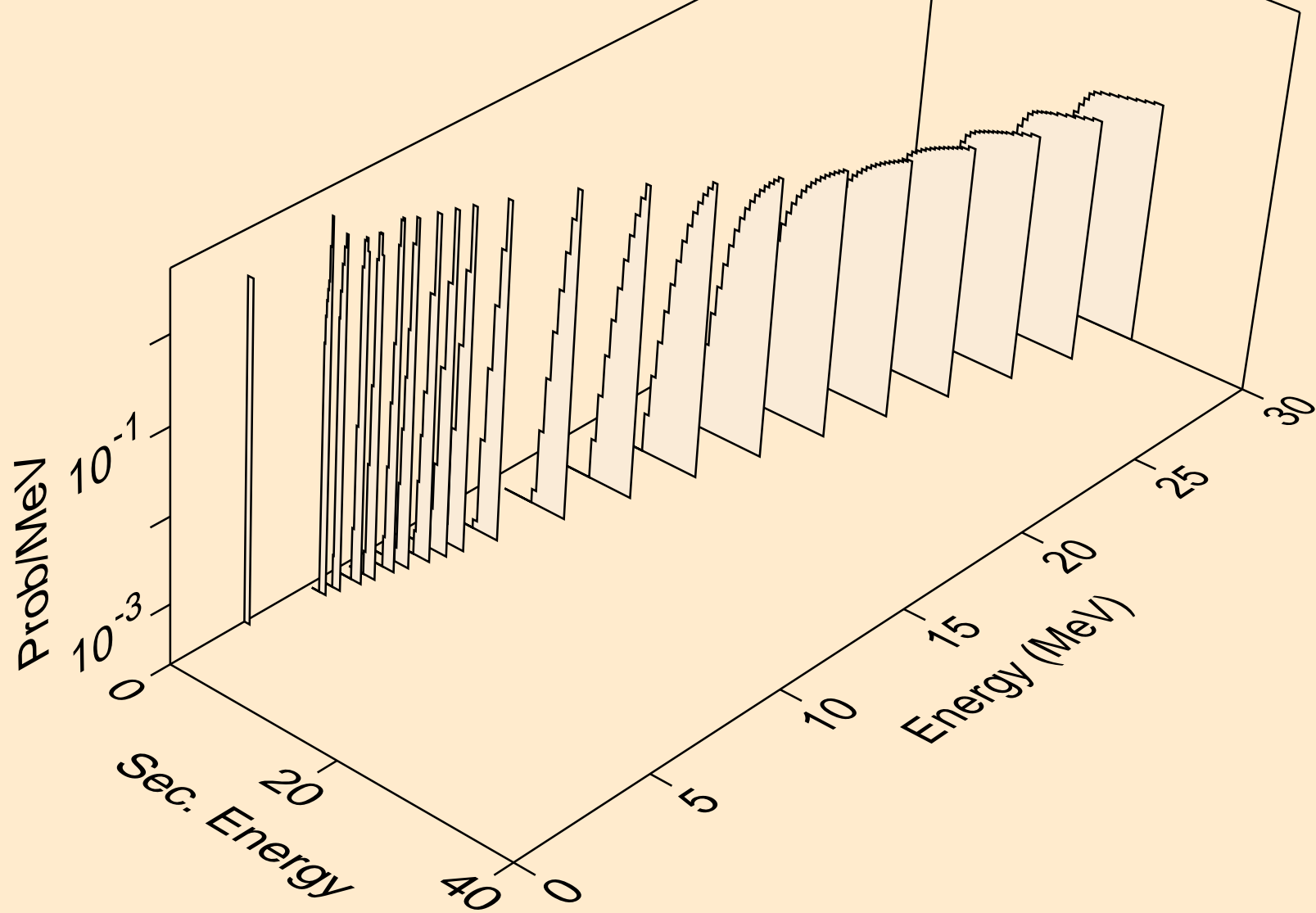




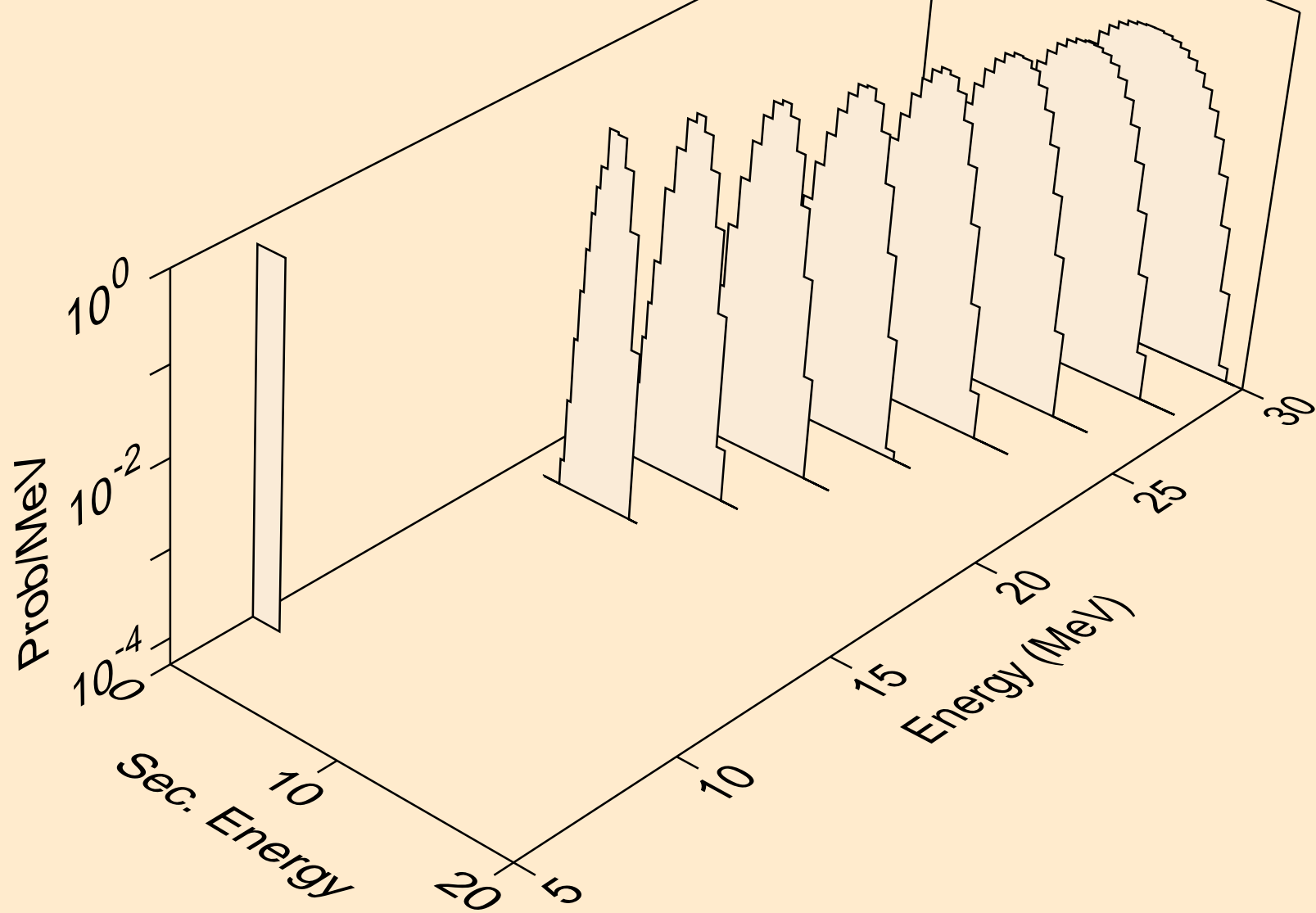
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deuterons from (n,n\*)d



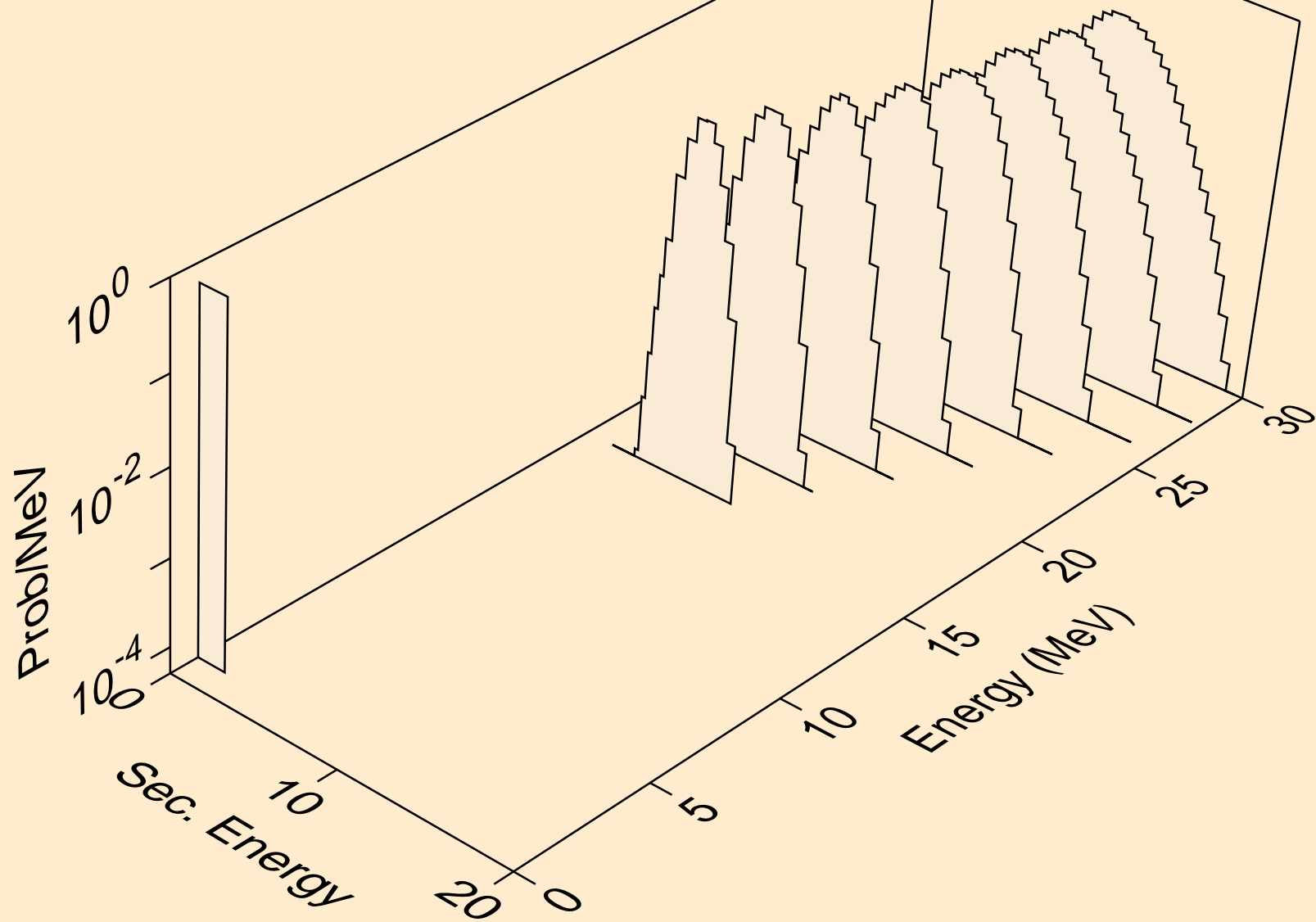
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deuterons from (n,d)



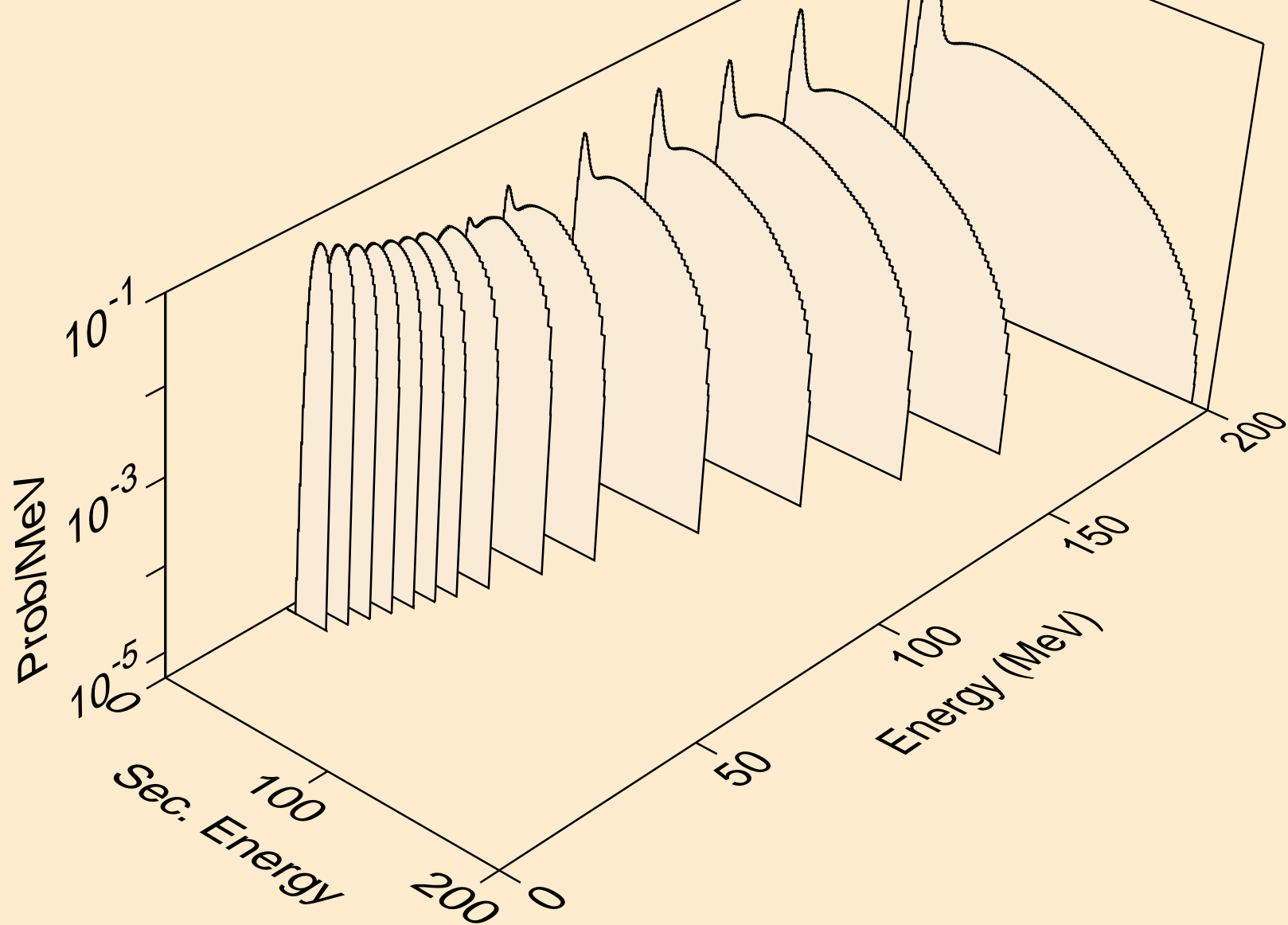
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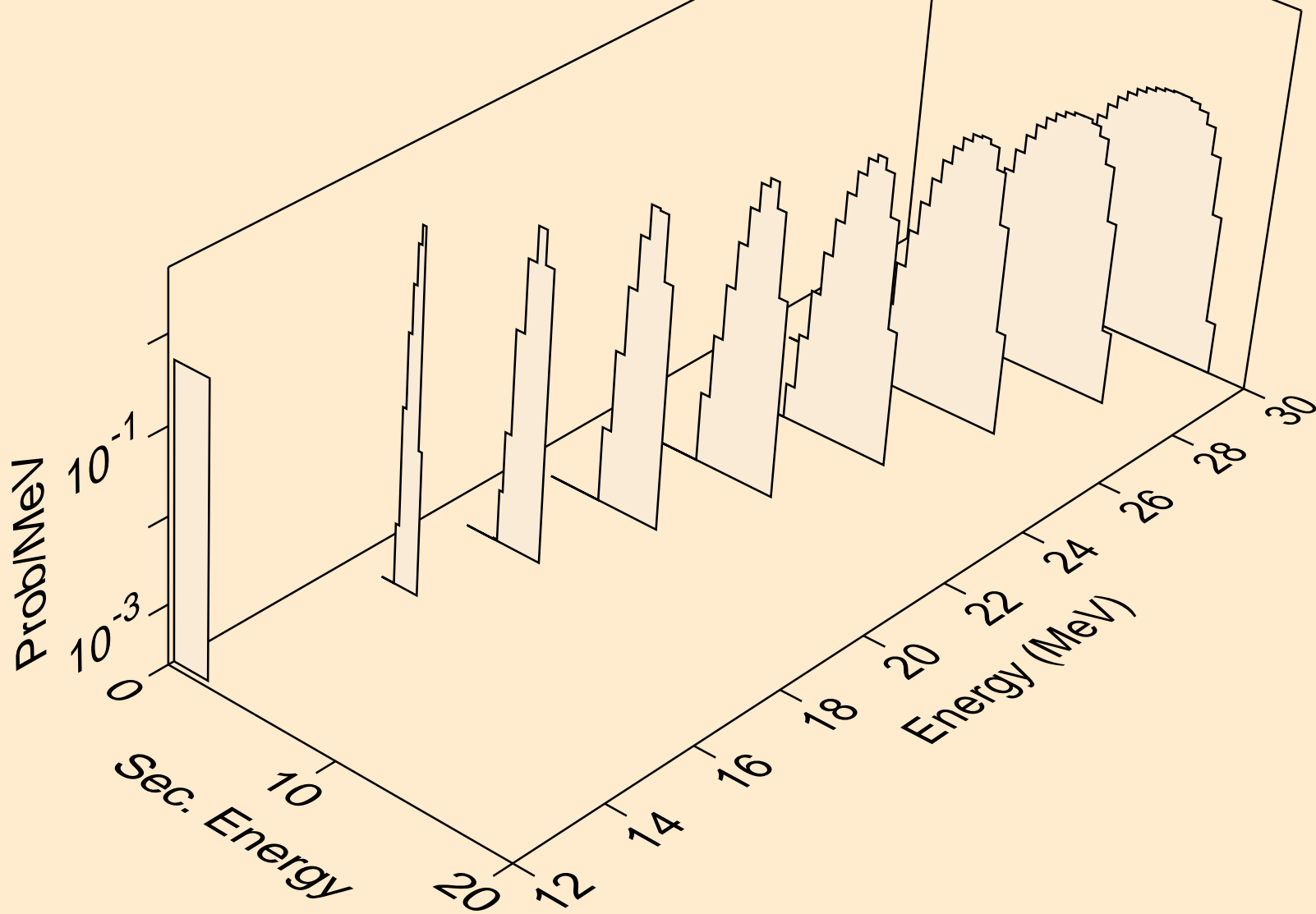
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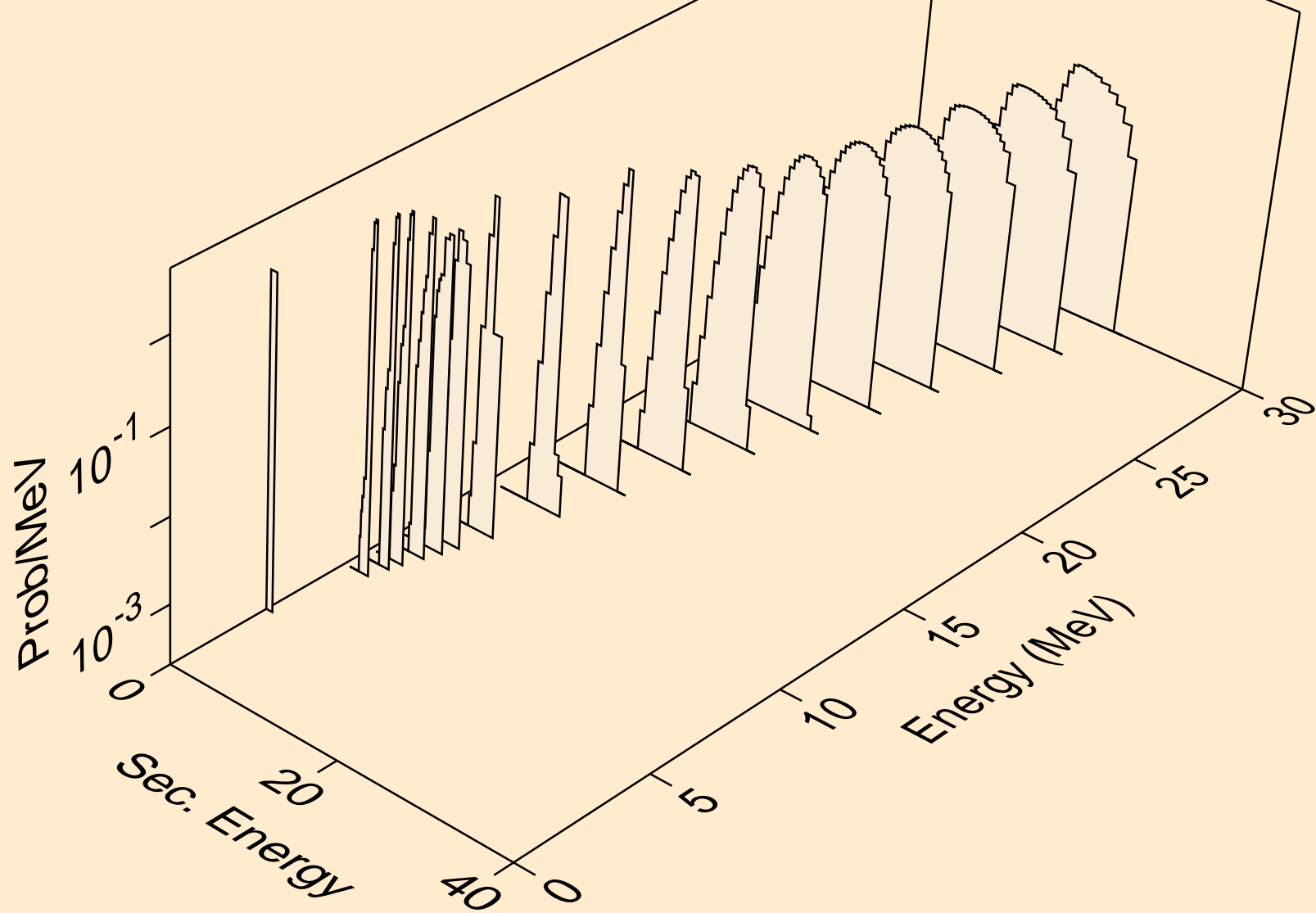
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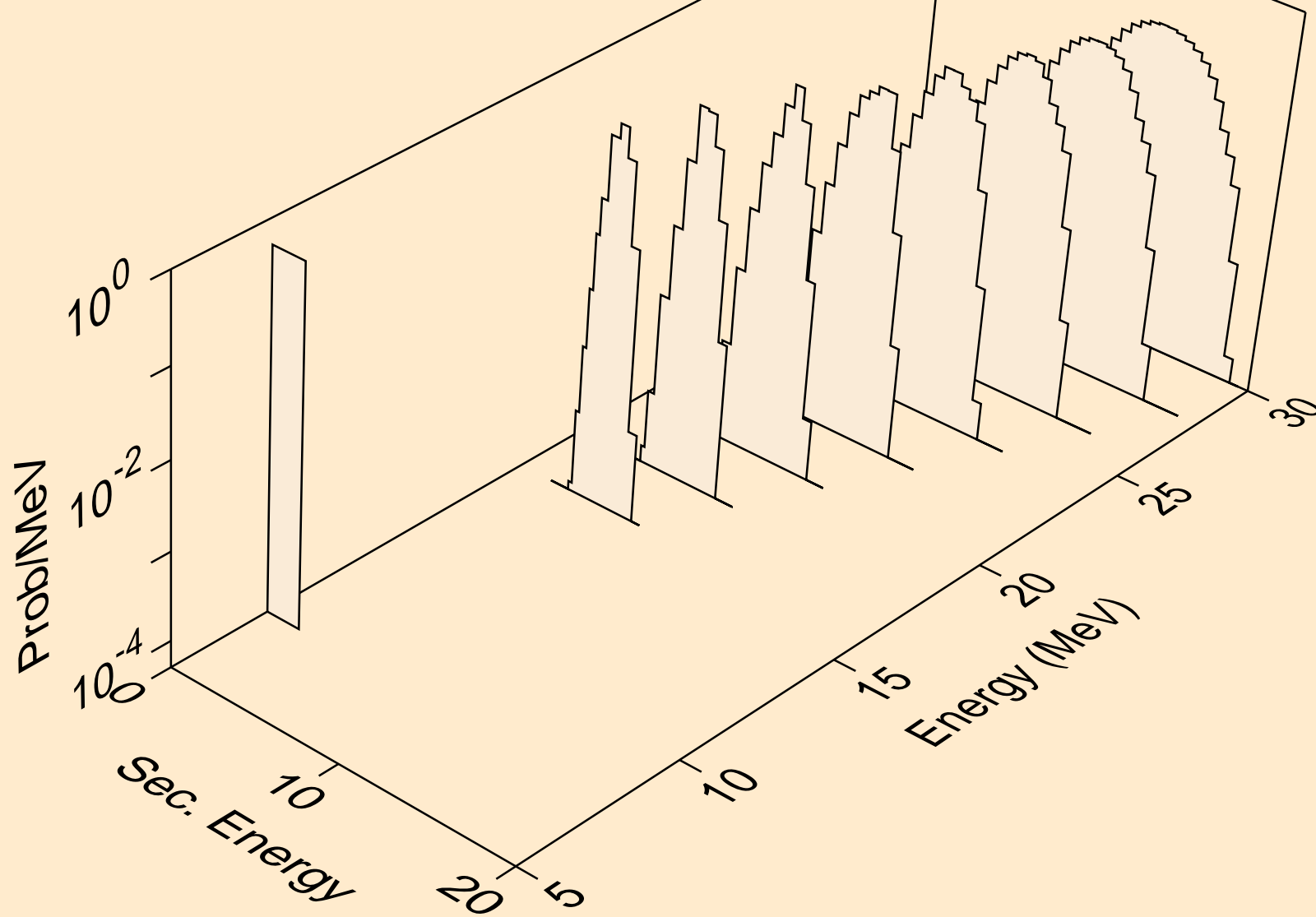
PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,t)

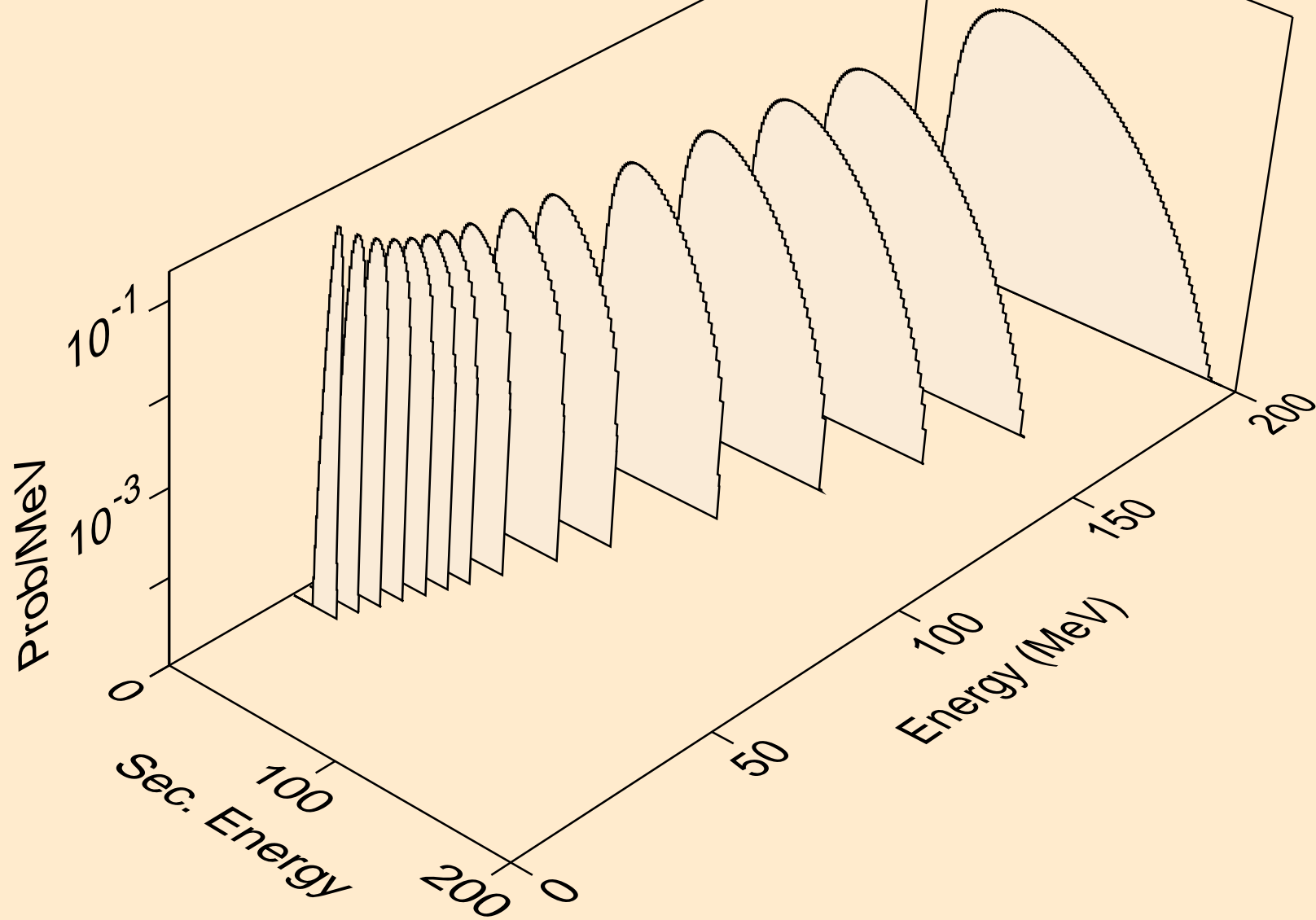


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tritons from (n,pt)

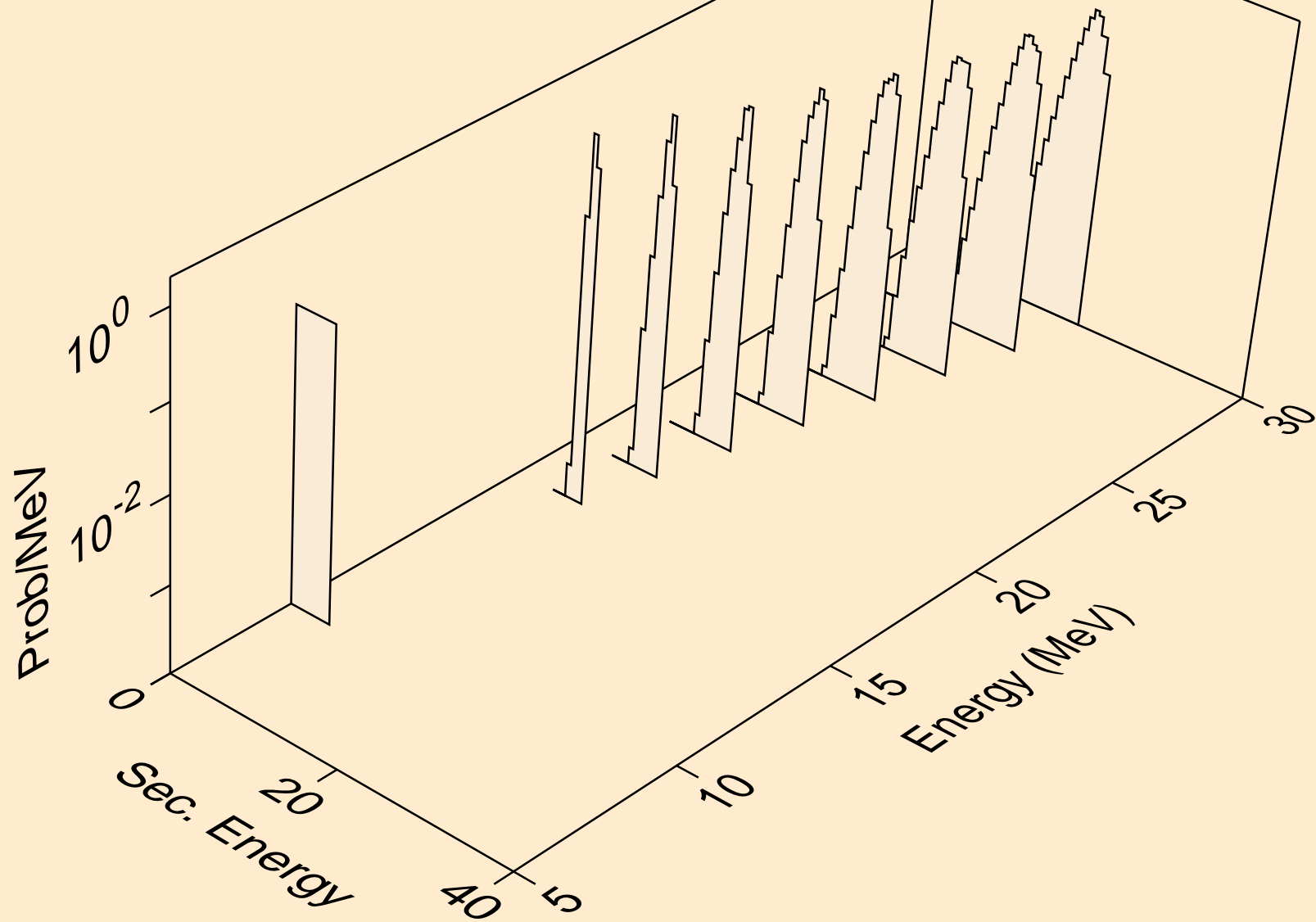




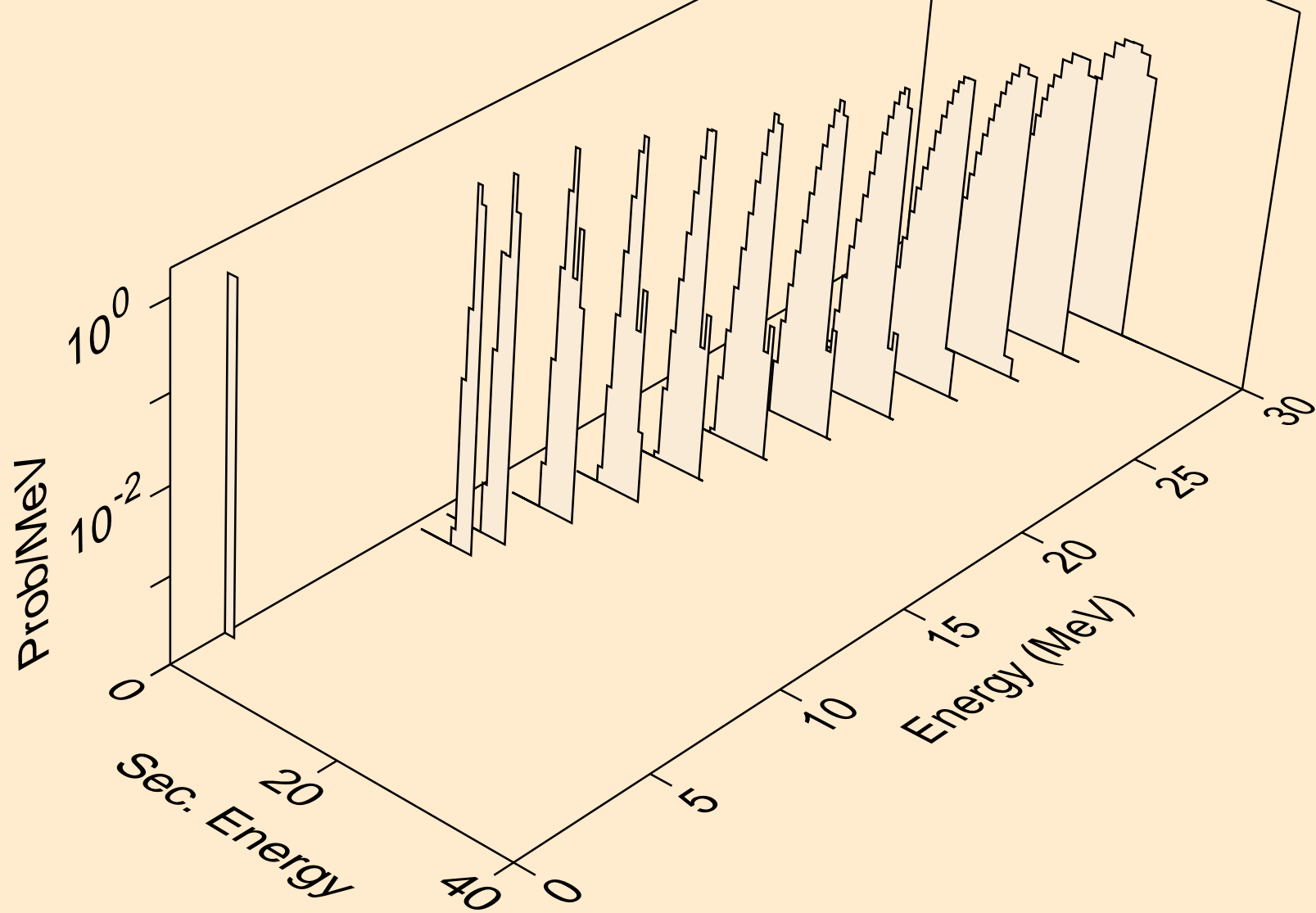
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he3s from (n,x)



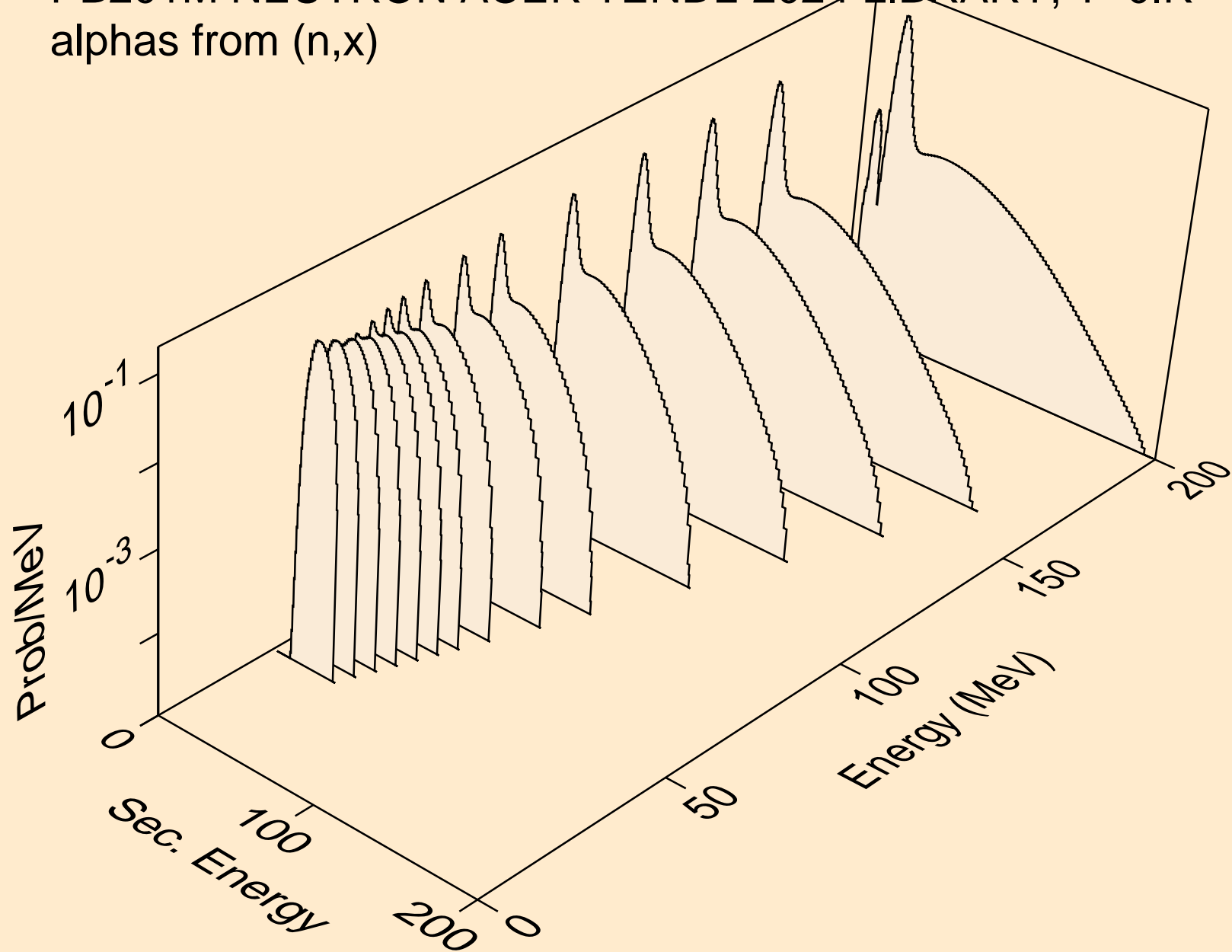
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he3s from (n,n\*)he3



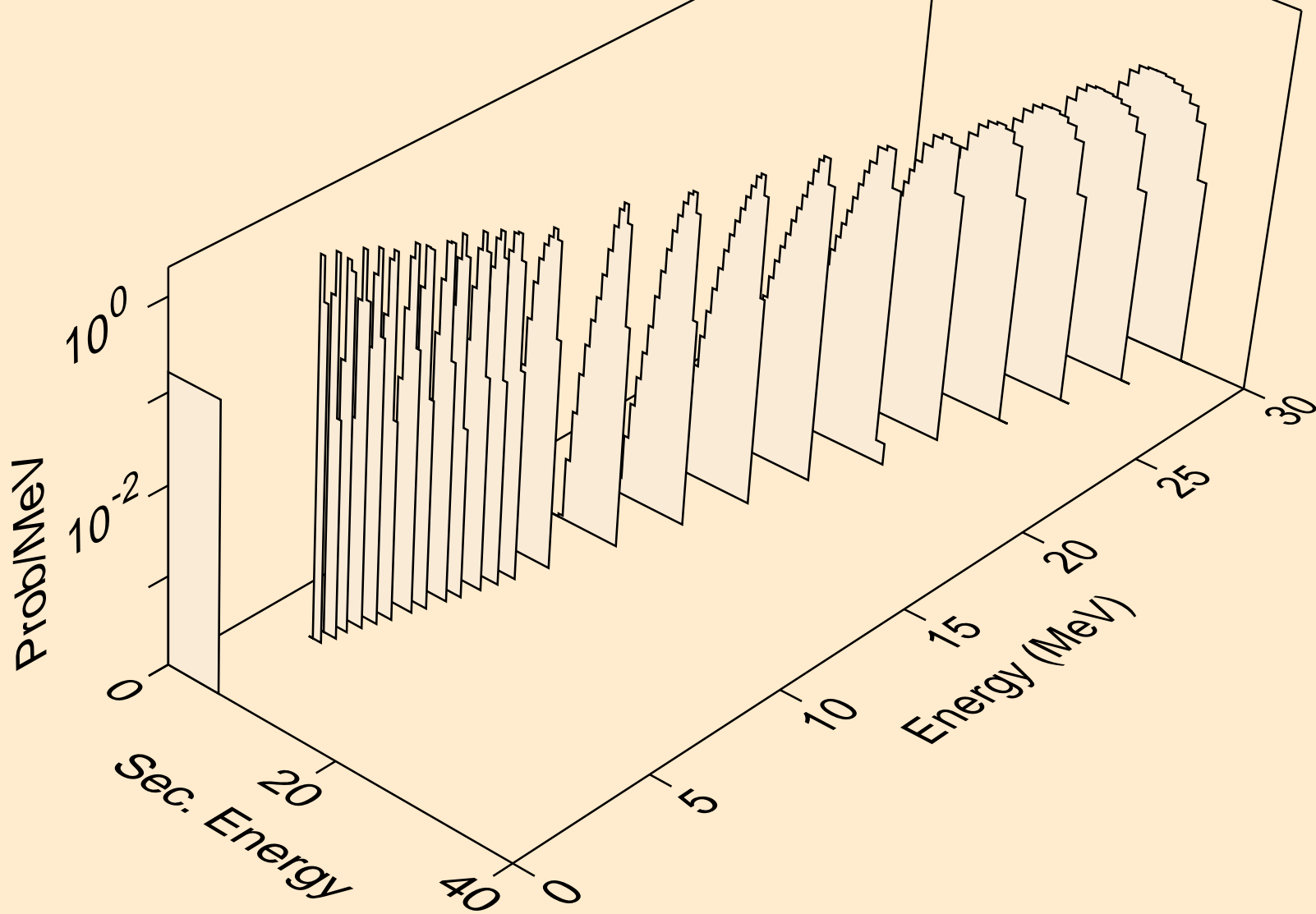
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he3s from (n,he3)



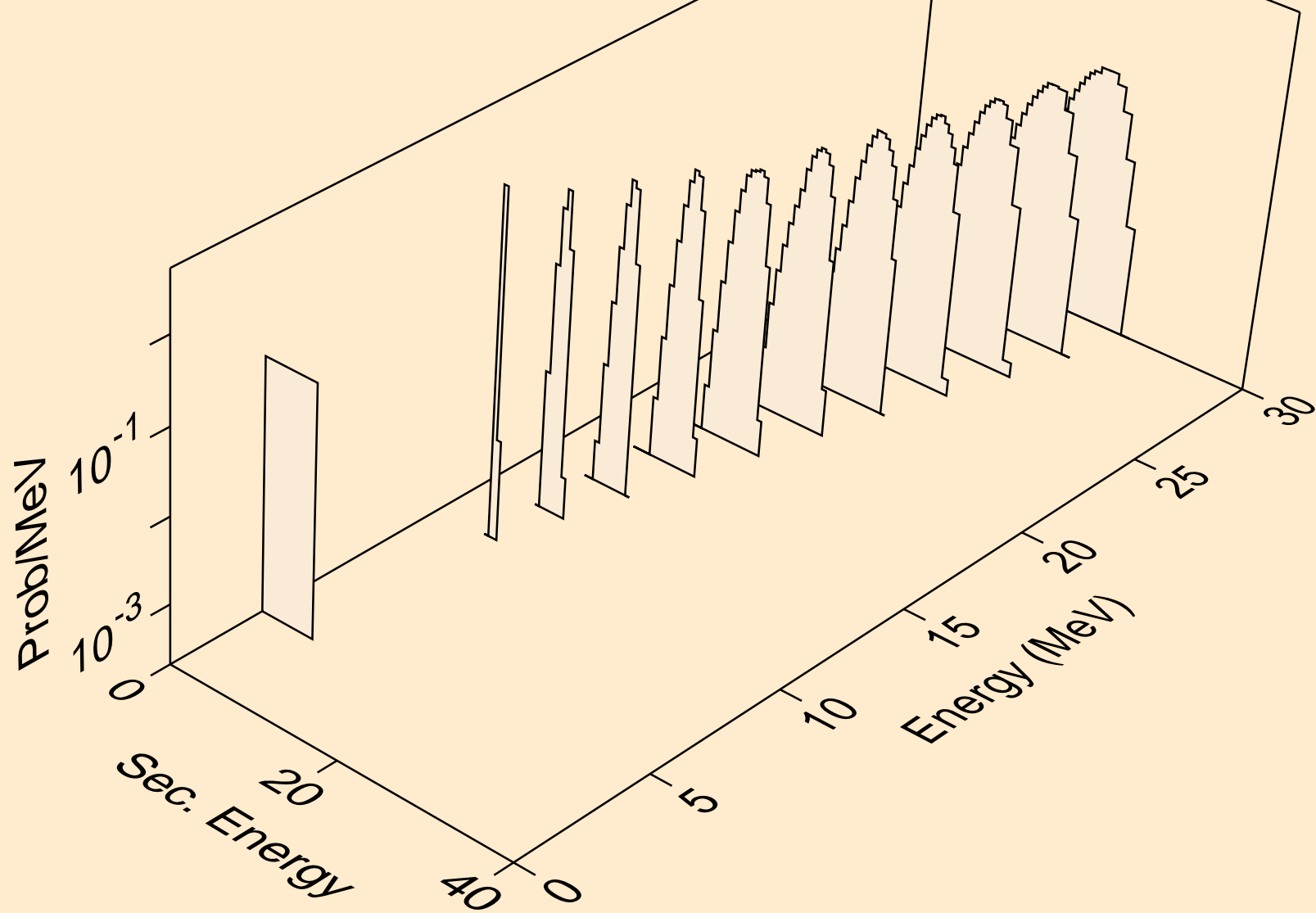
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alphas from (n,x)



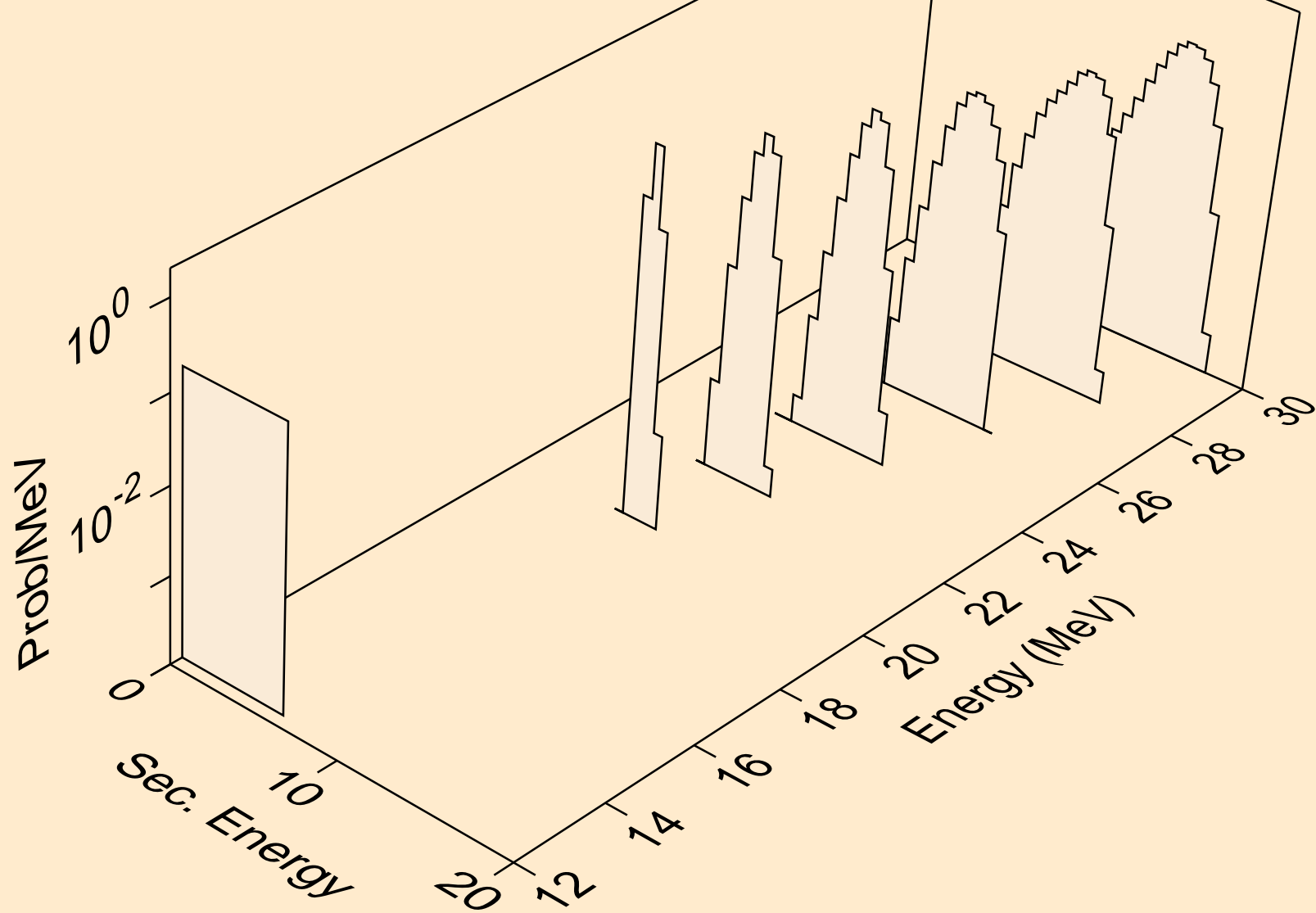
PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



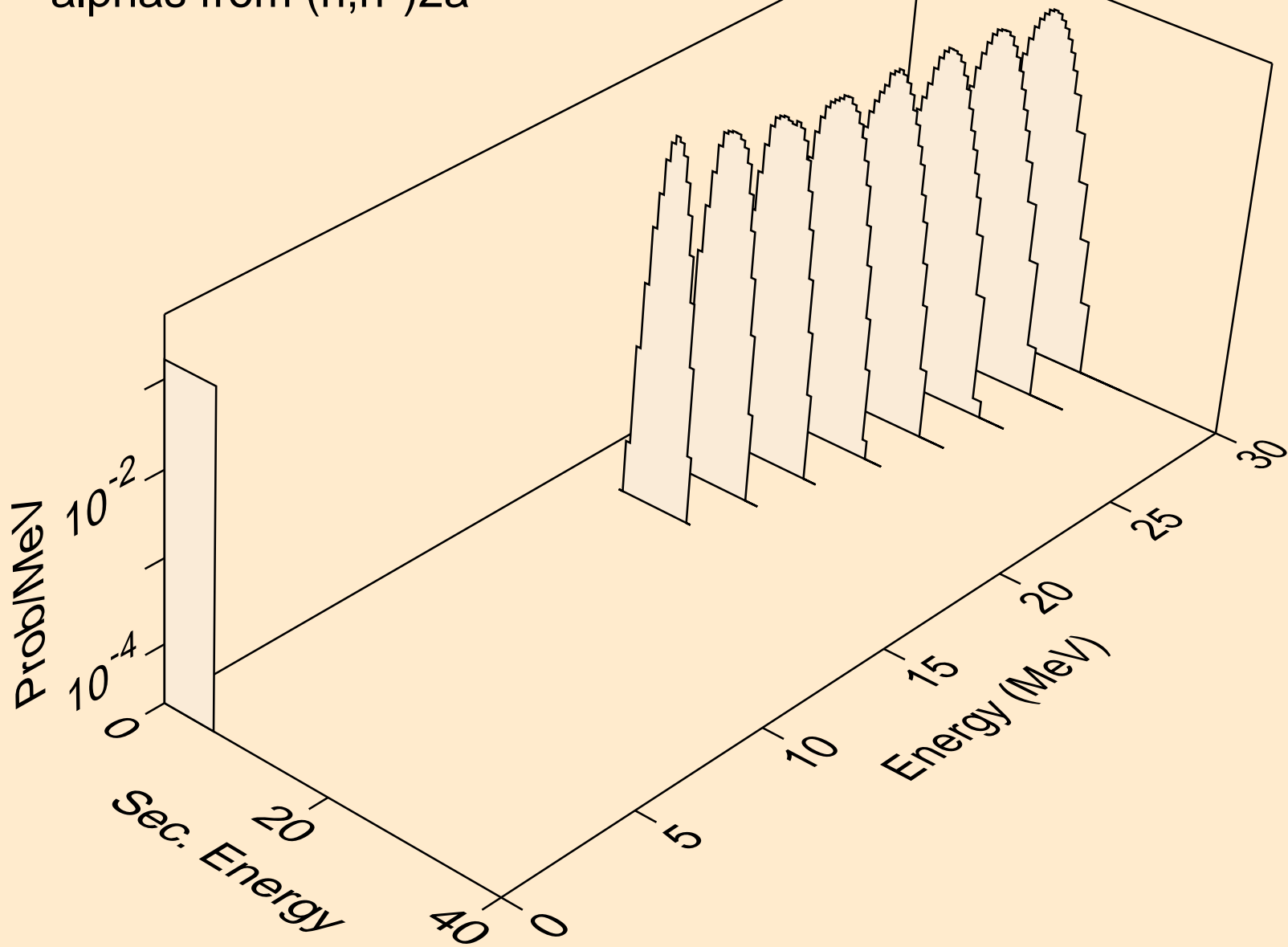
PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a

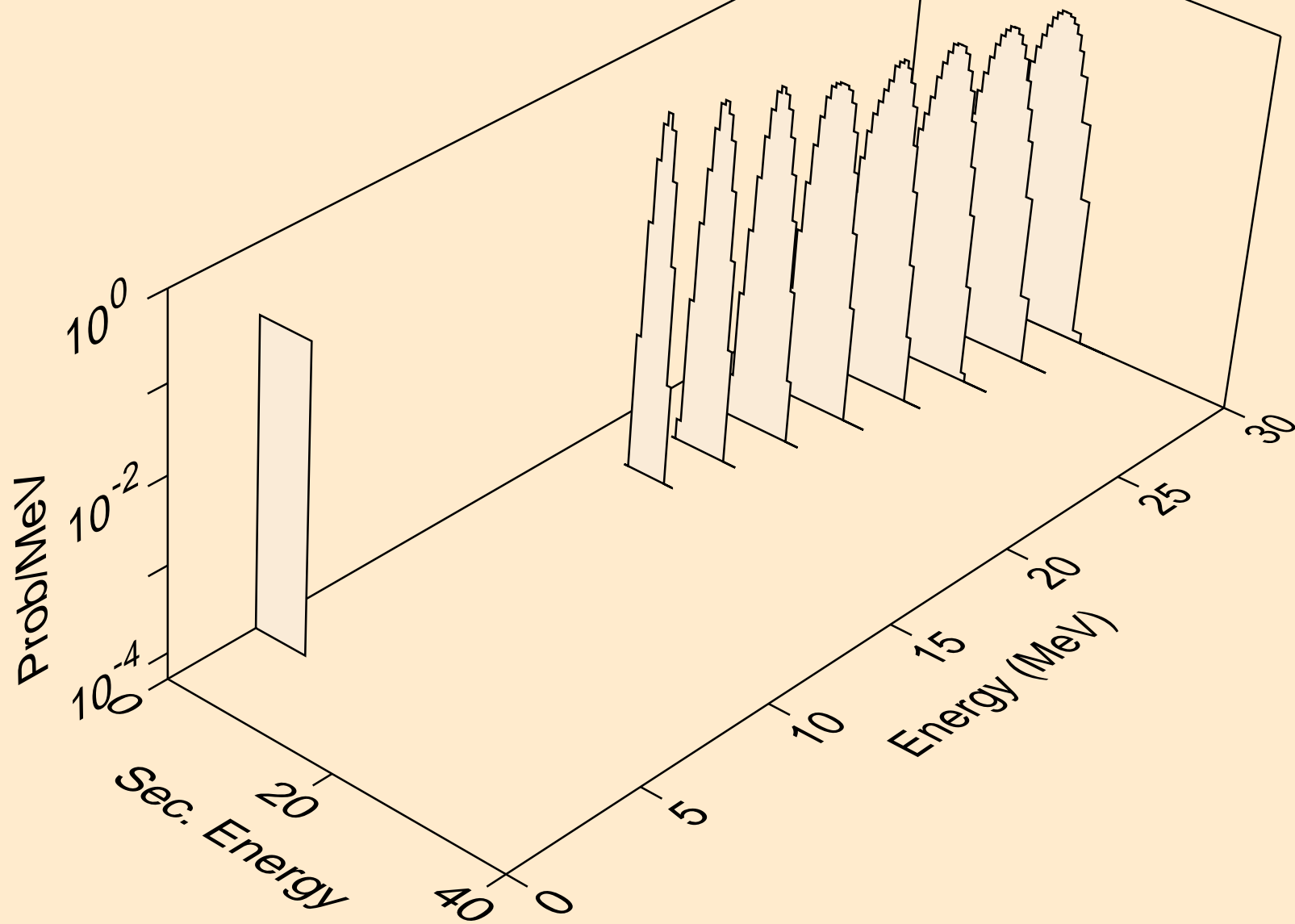


PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a

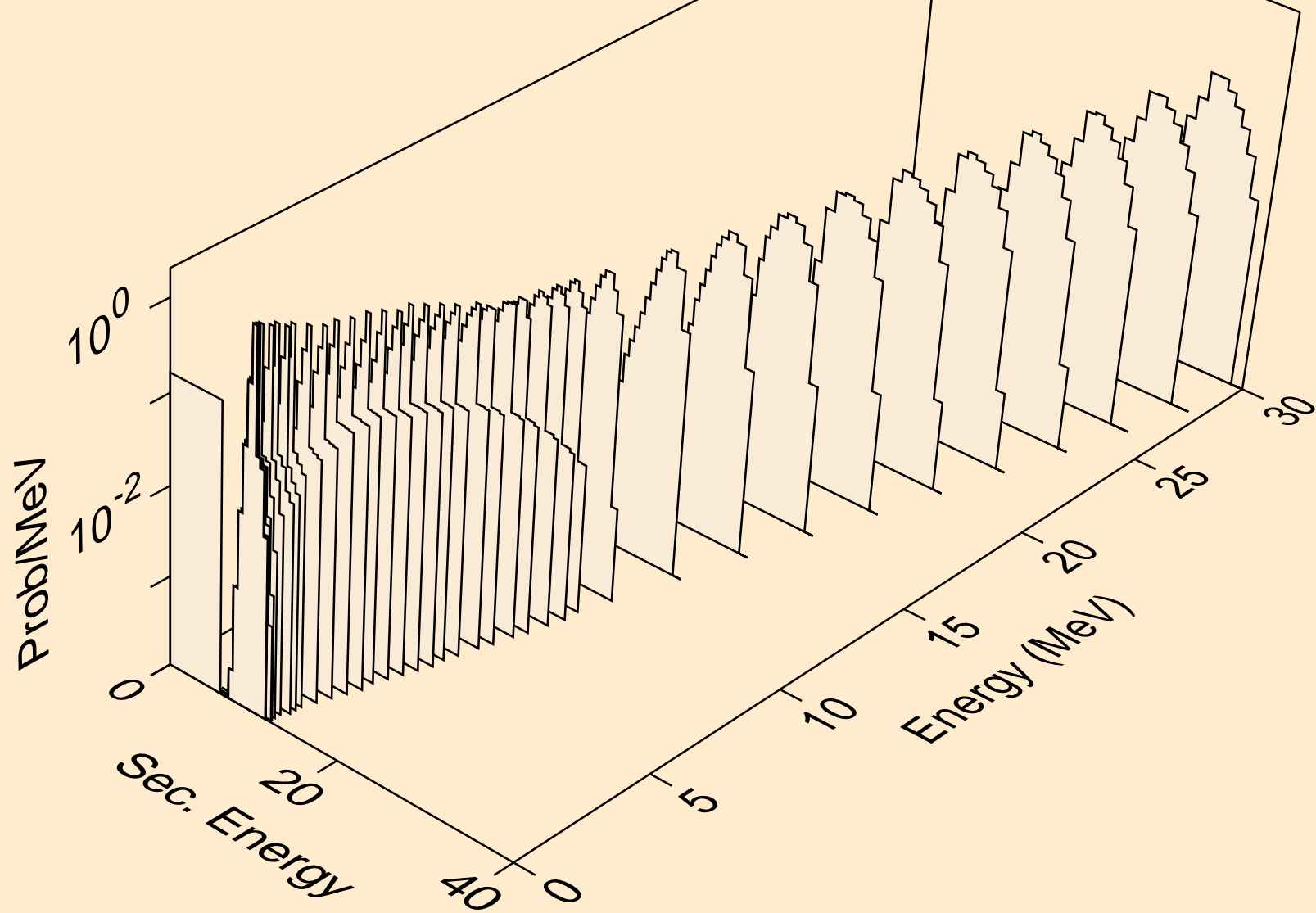




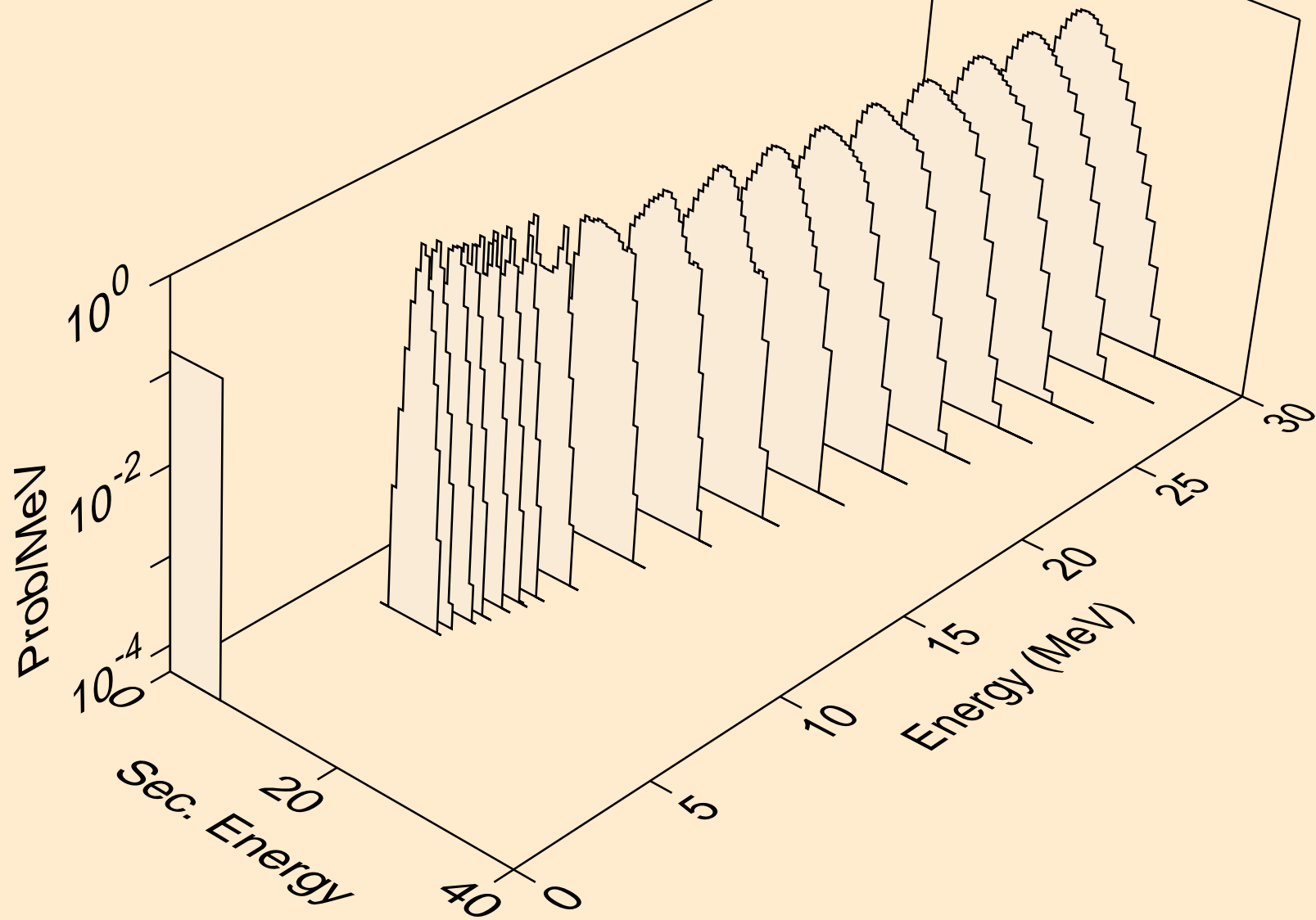
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alphas from (n,npa)



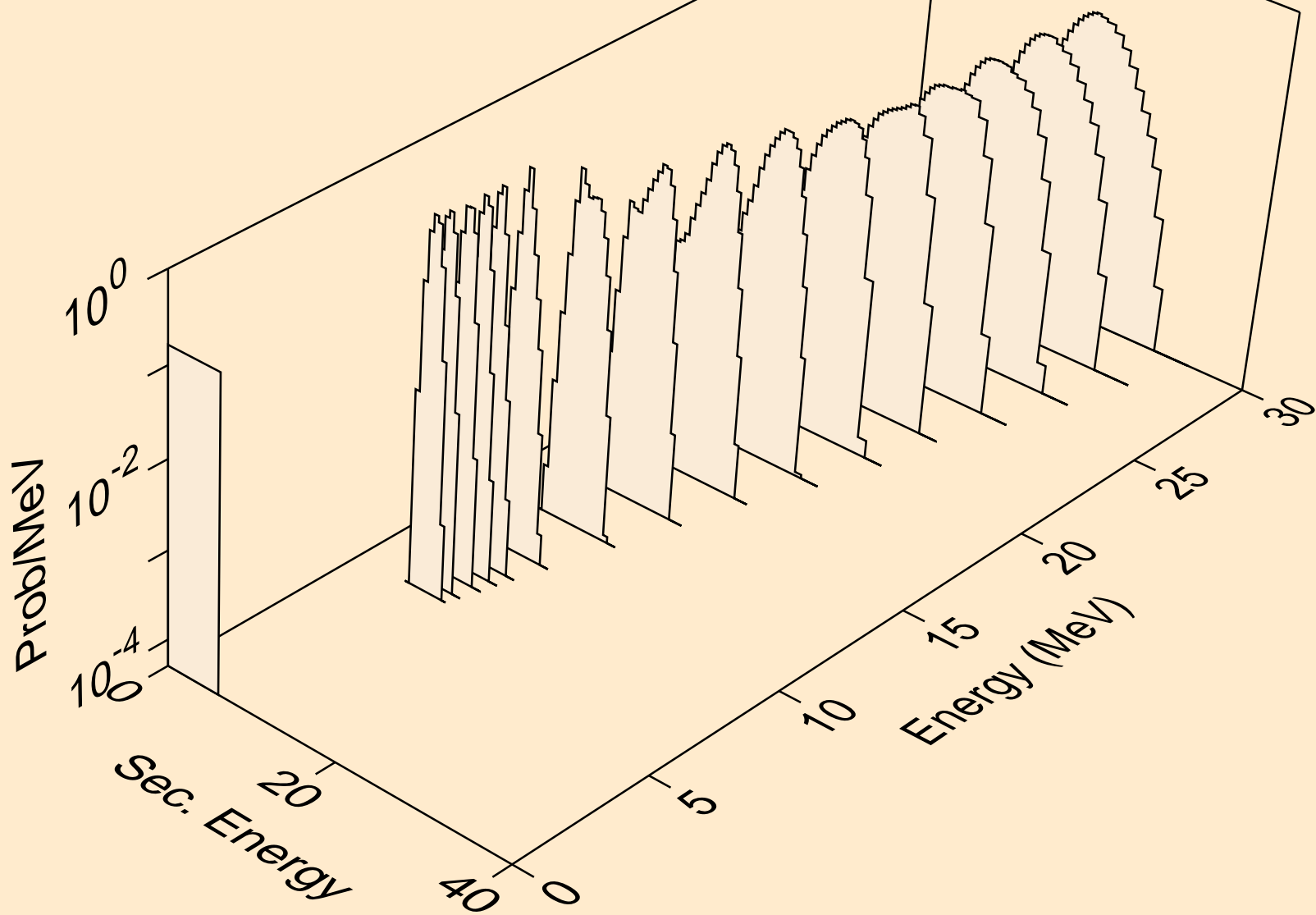
PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



PB201M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

