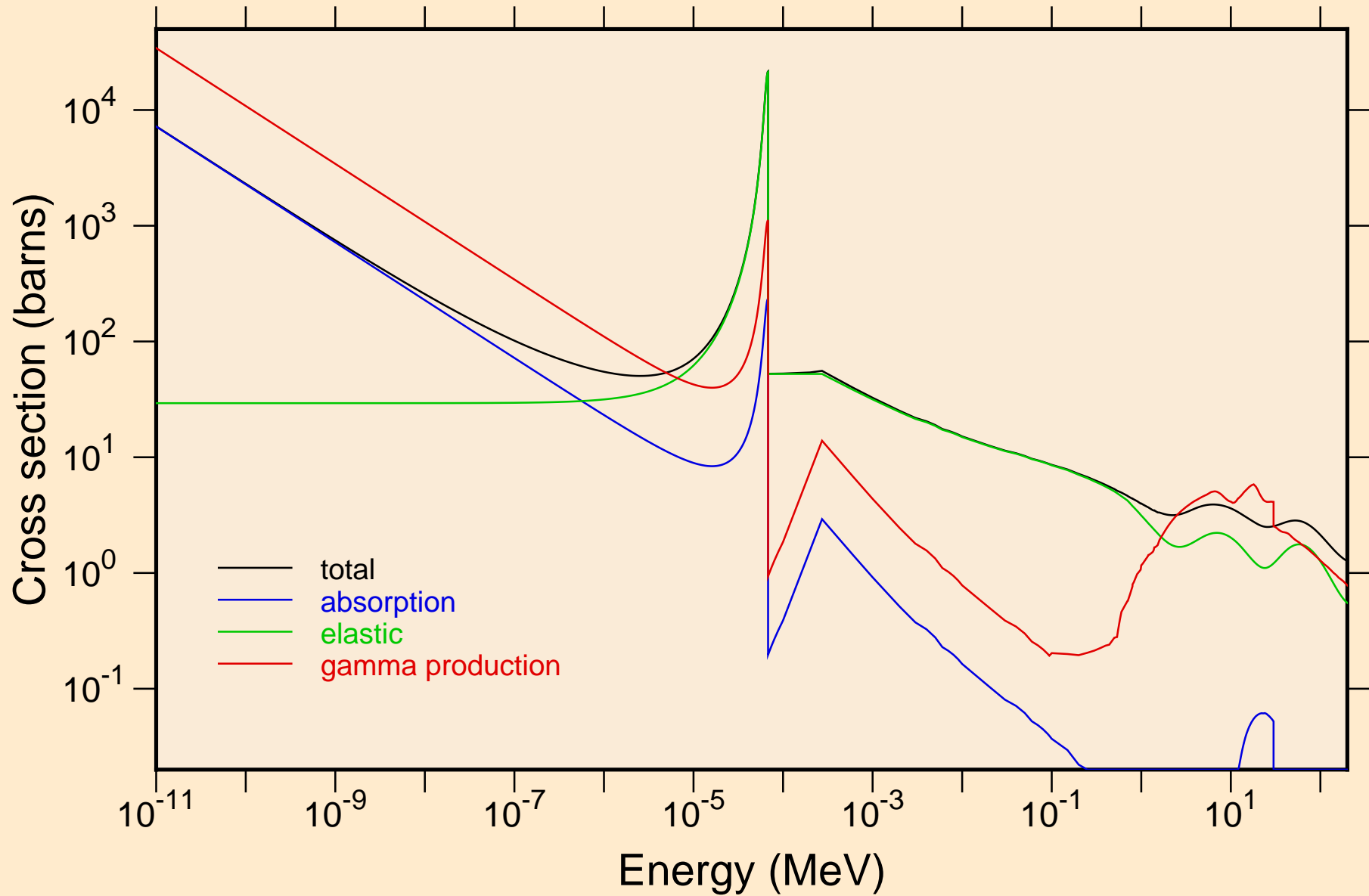


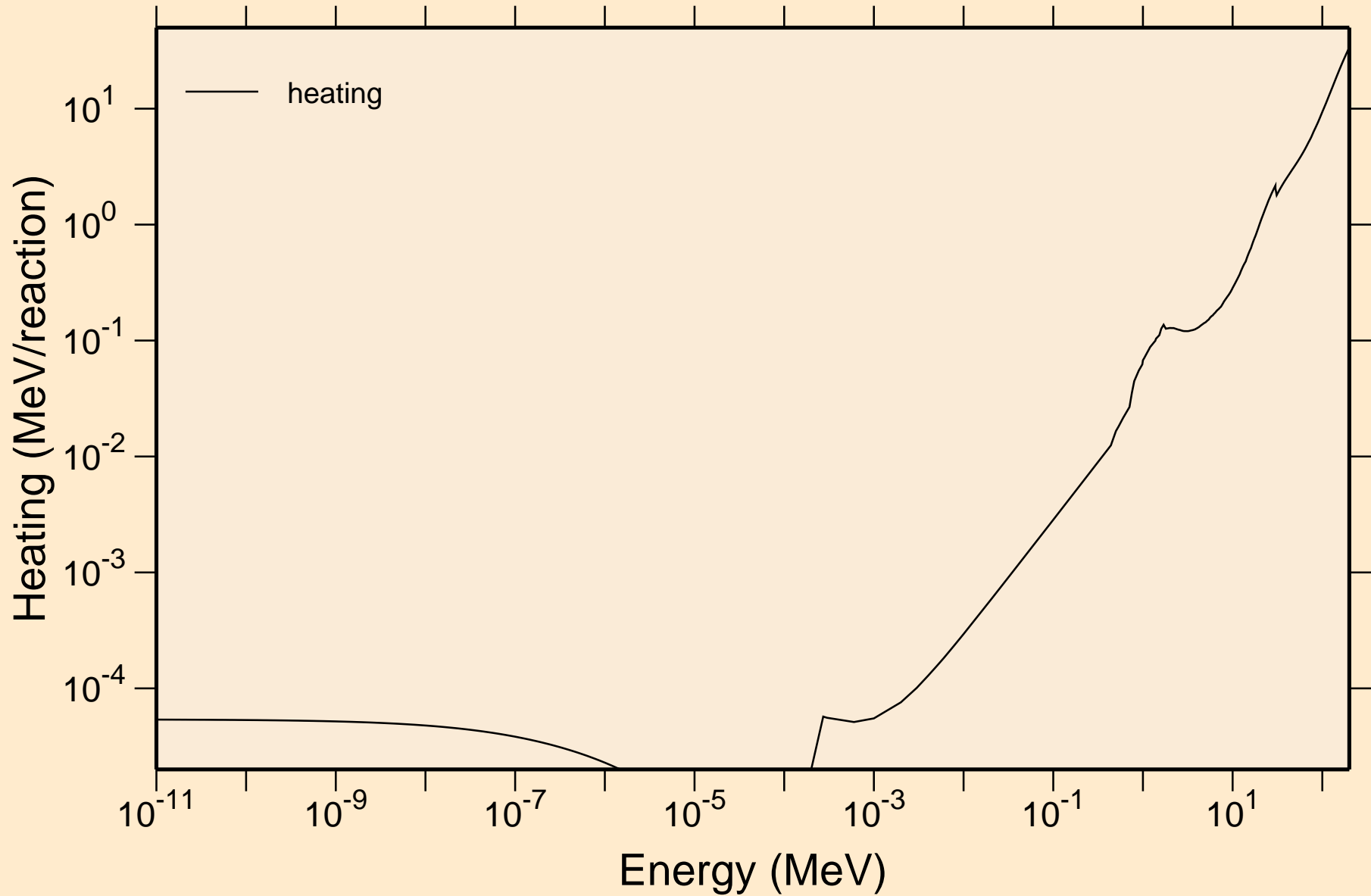
# ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



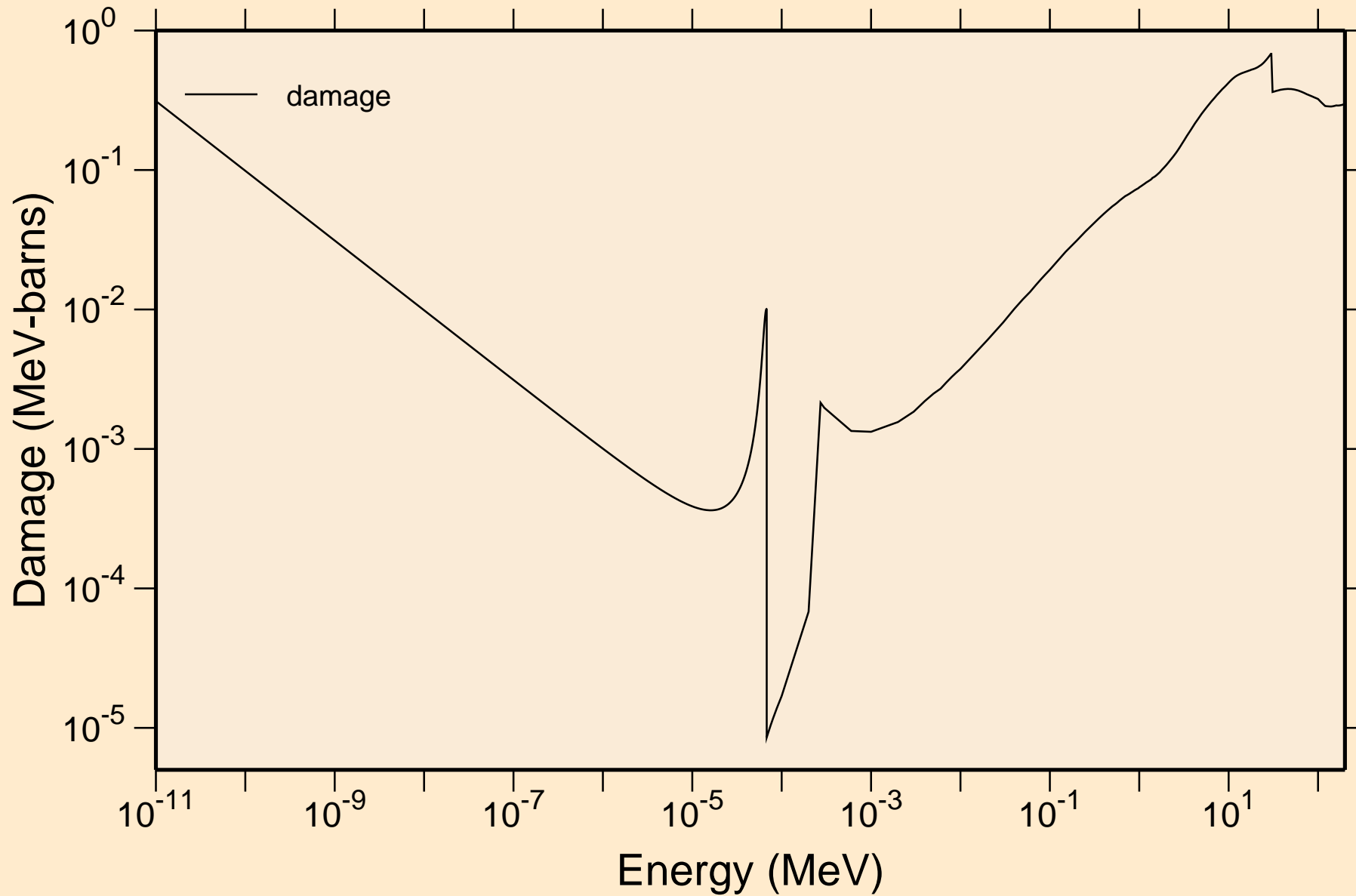
# ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

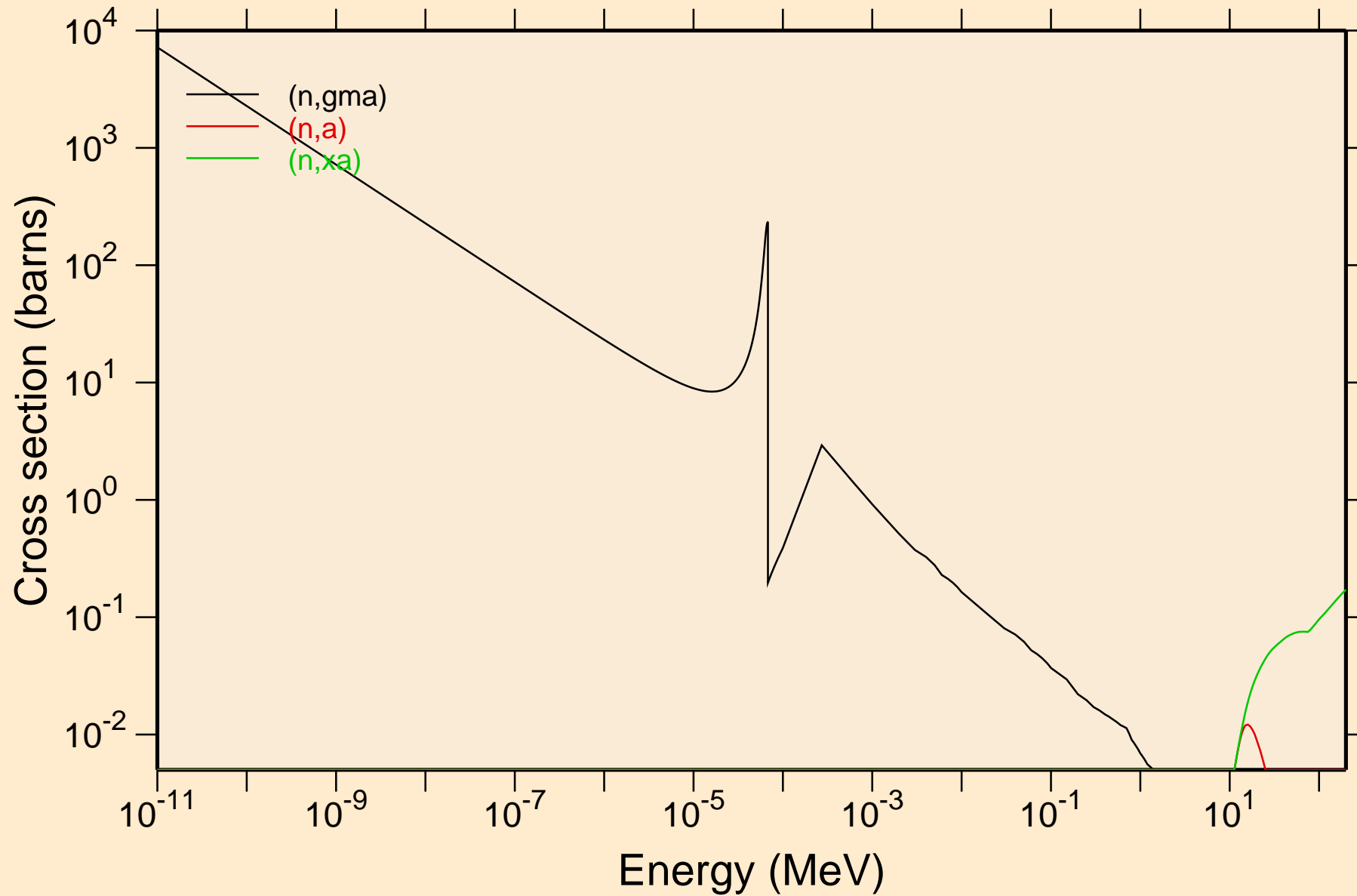


# ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

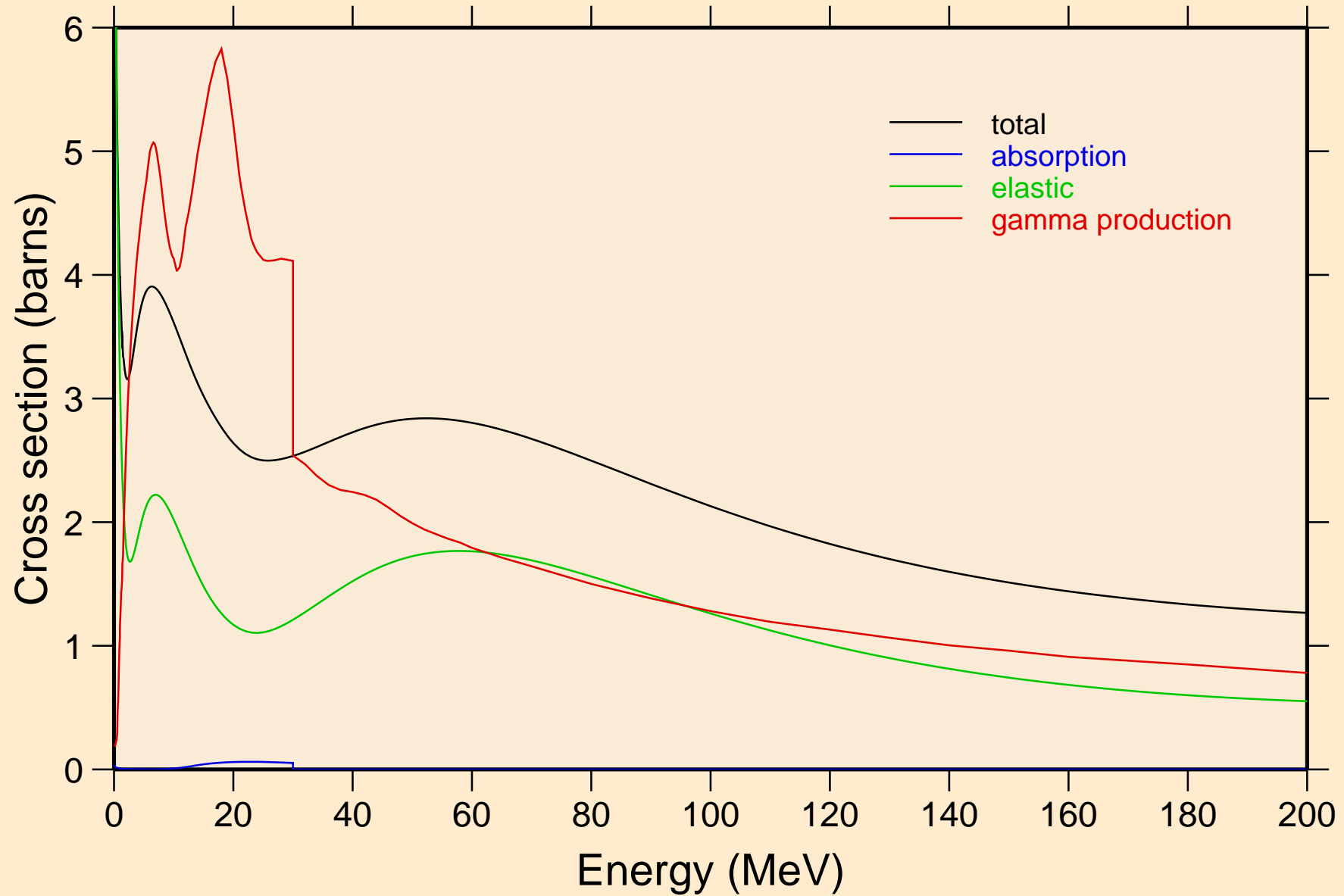


ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



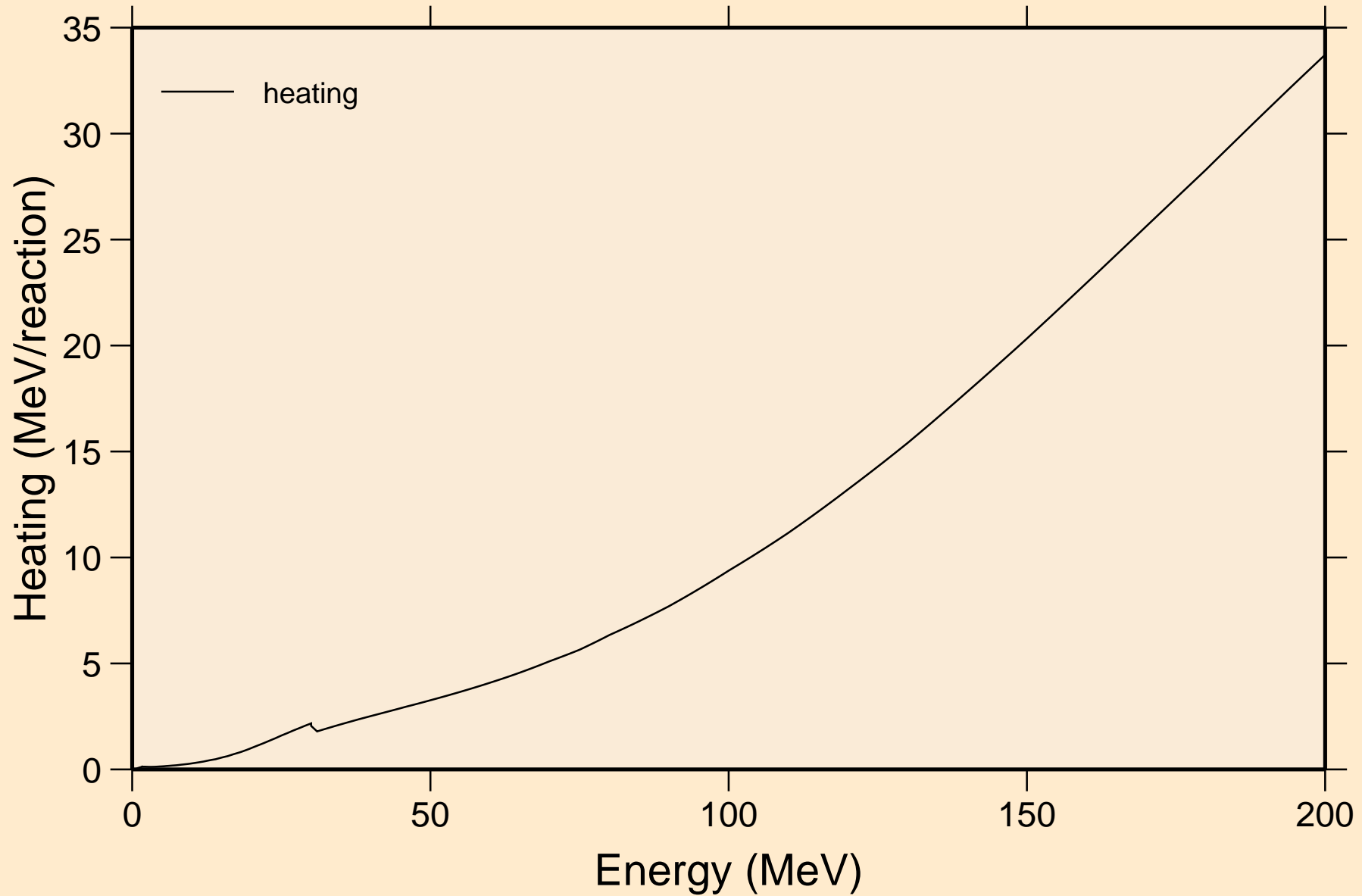
# ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



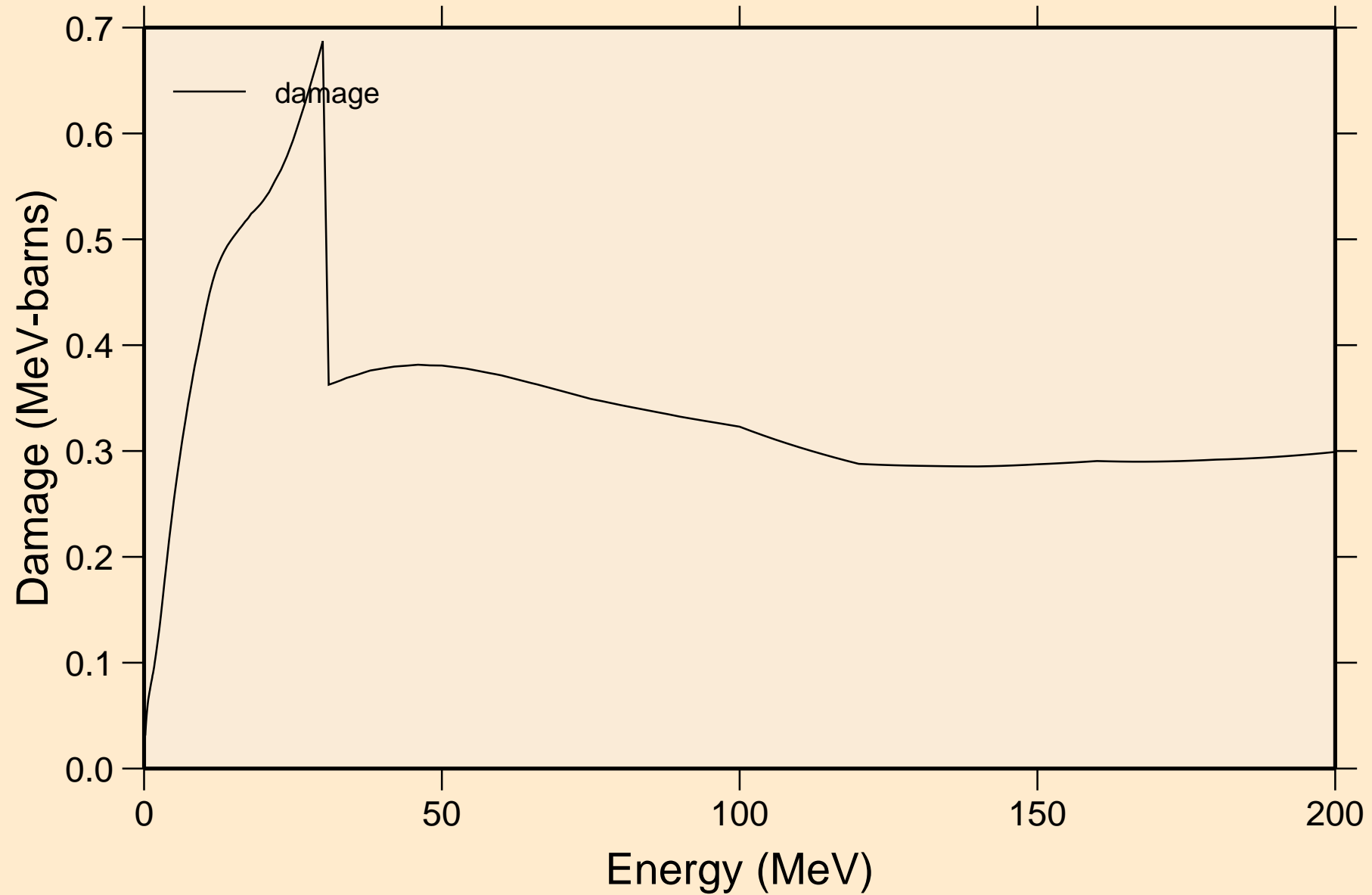
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## Heating

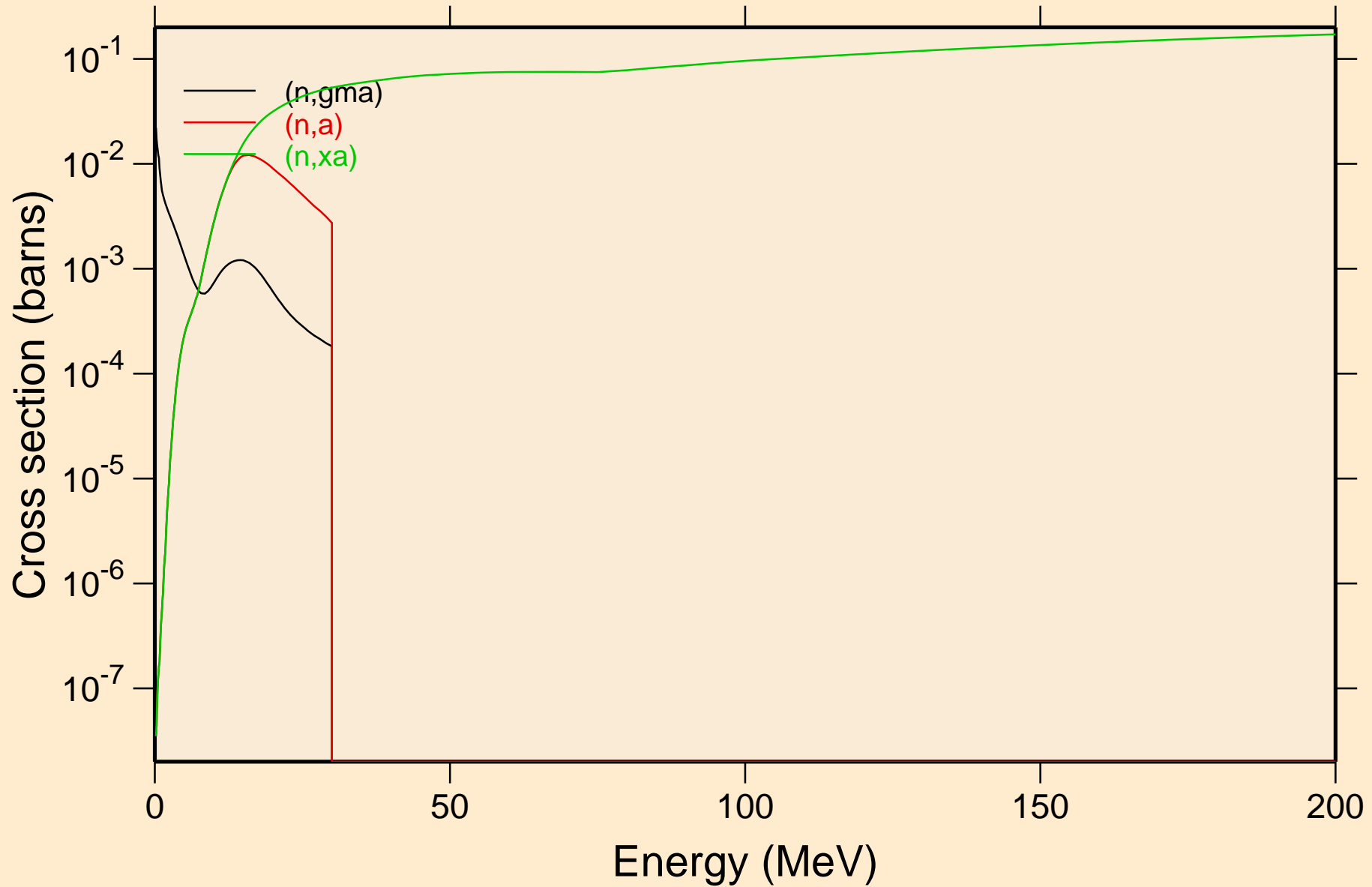


# ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

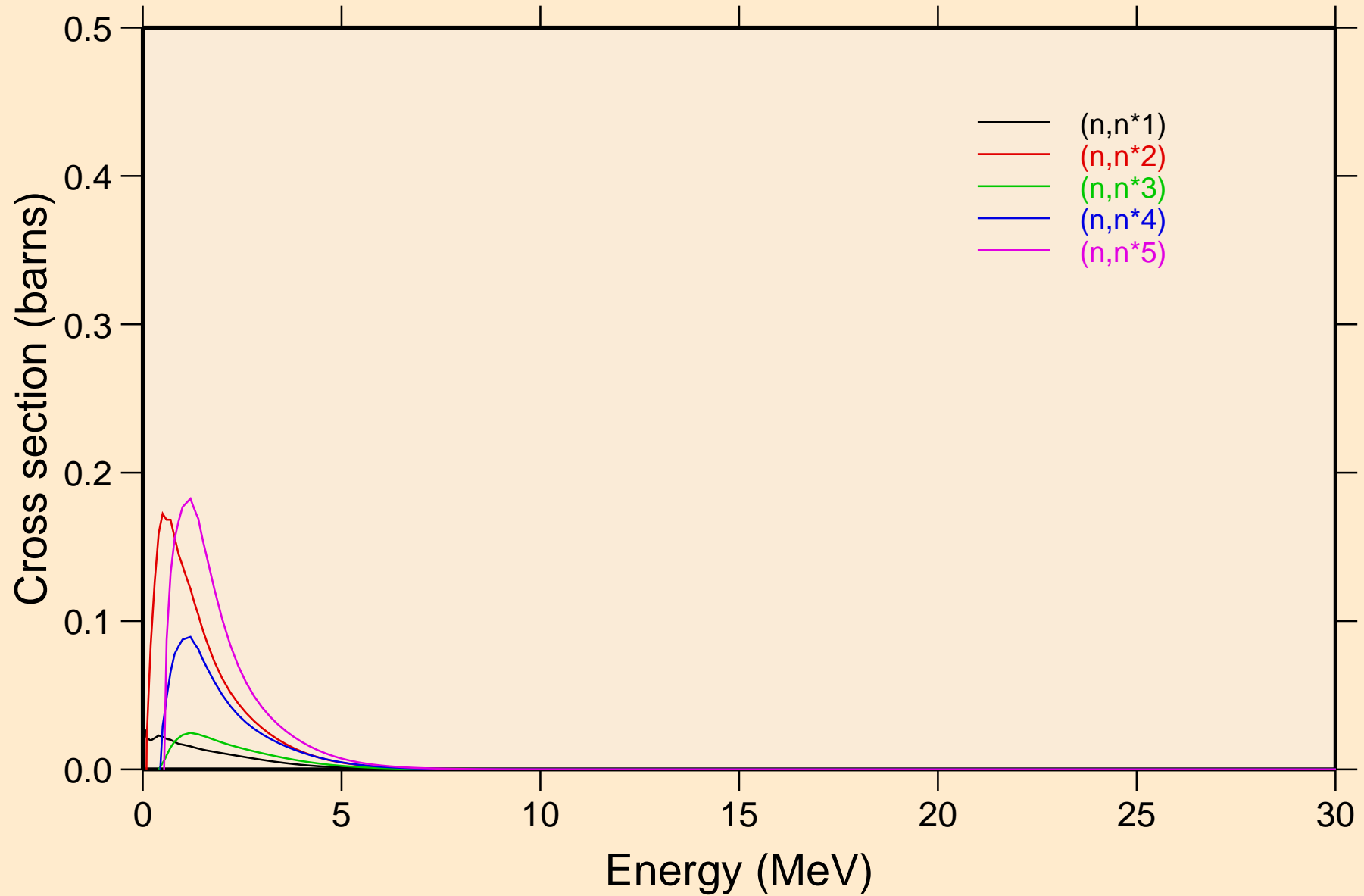


ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

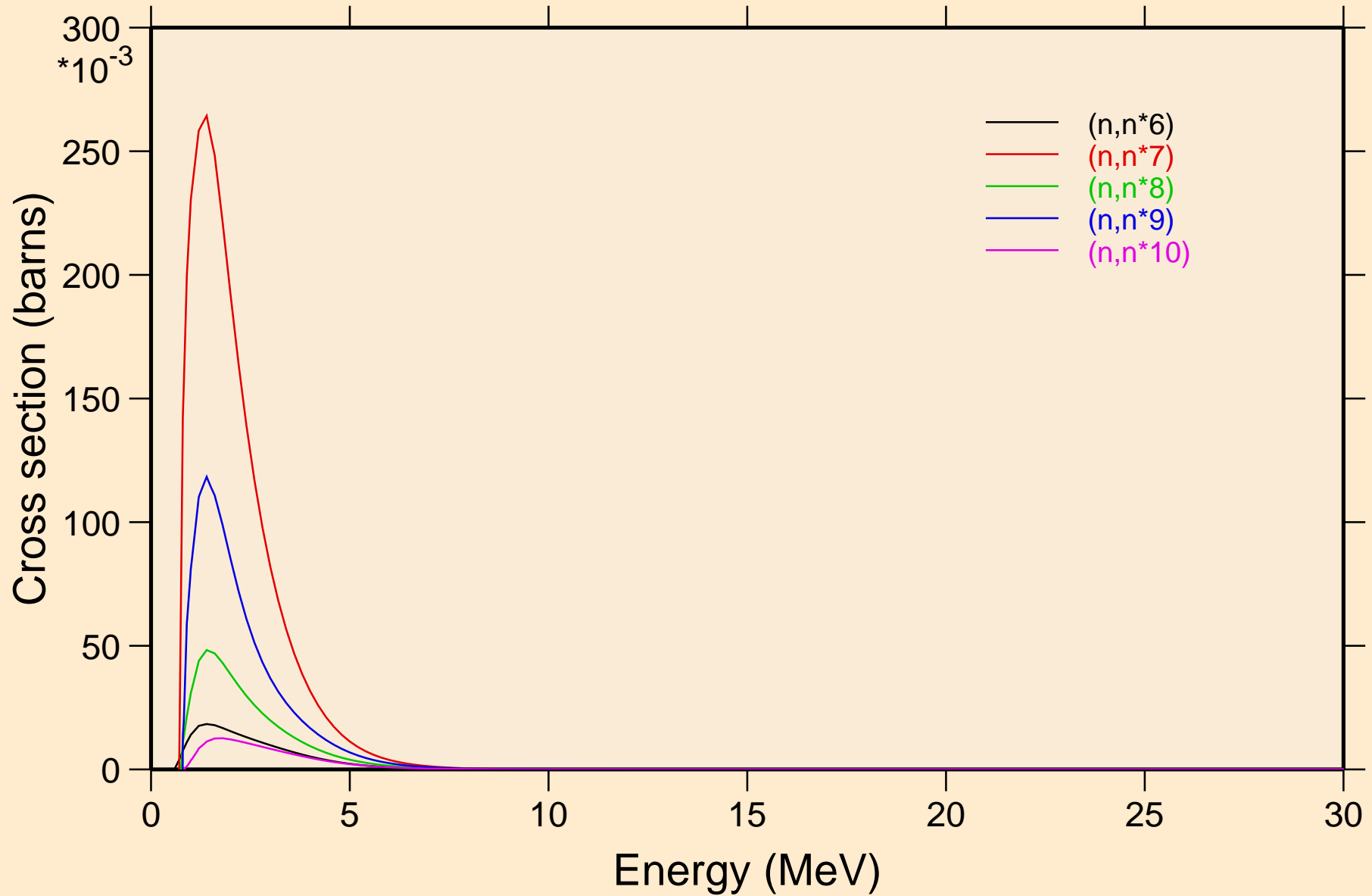




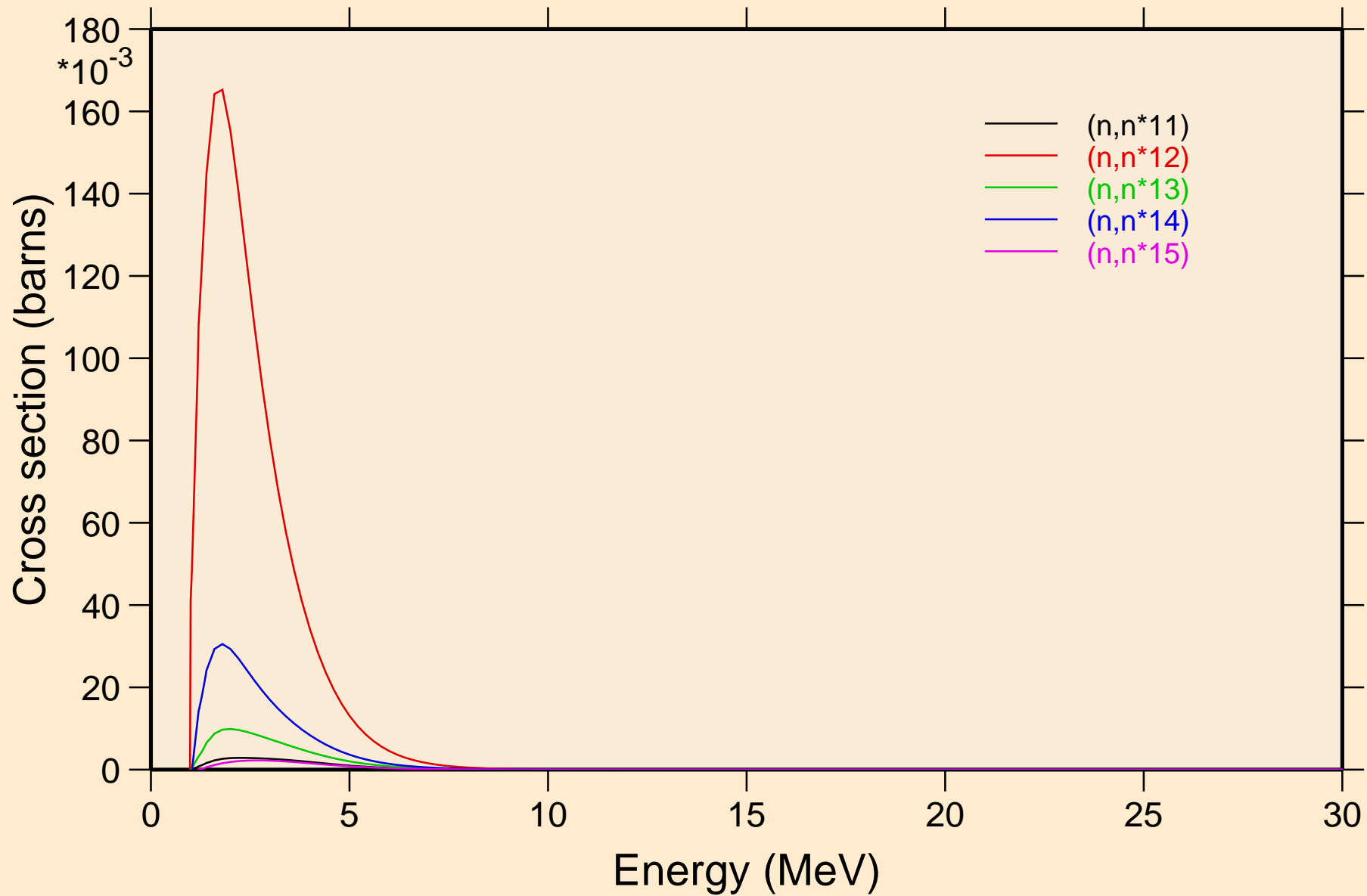
ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



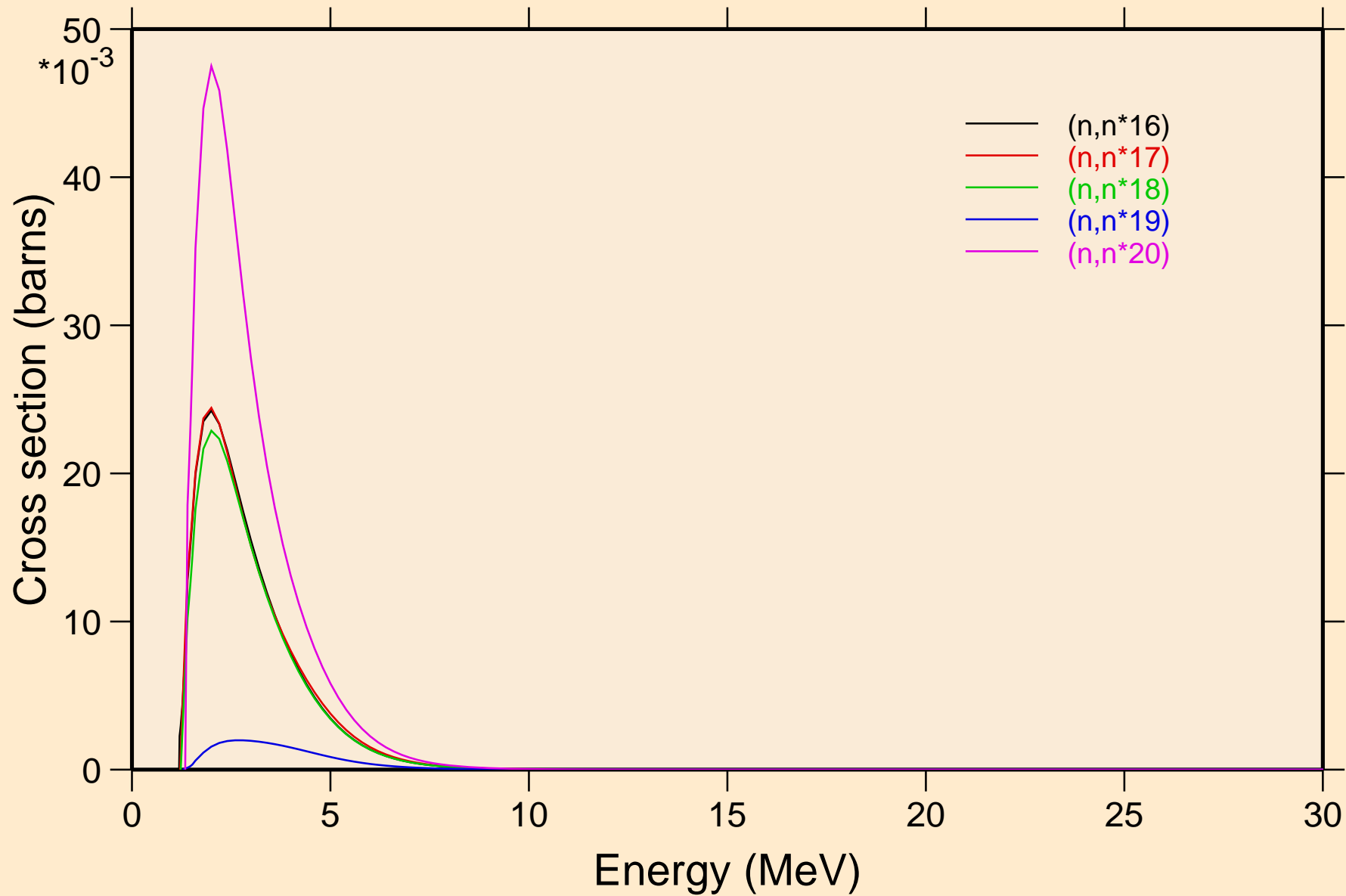
ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

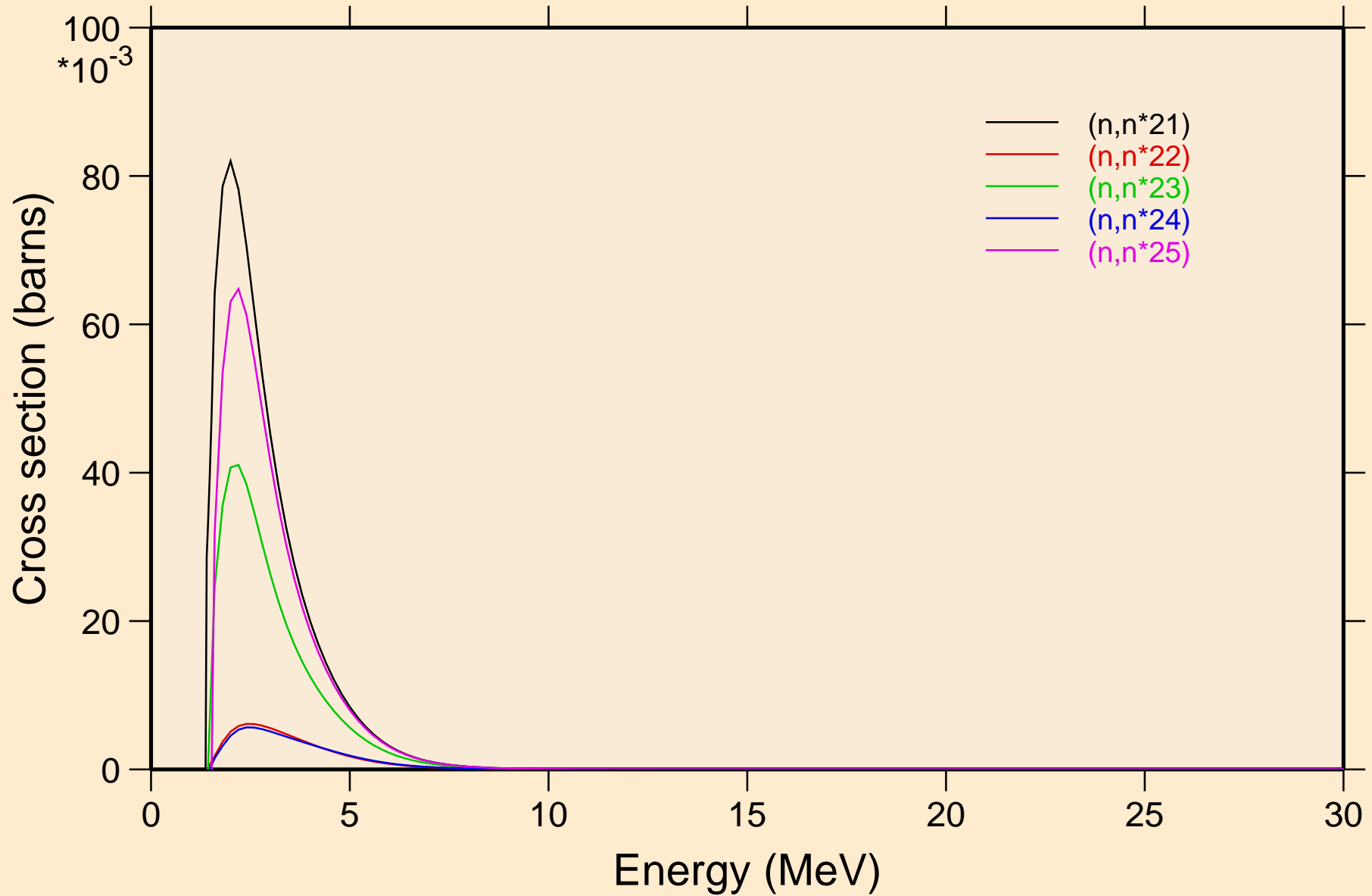


ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

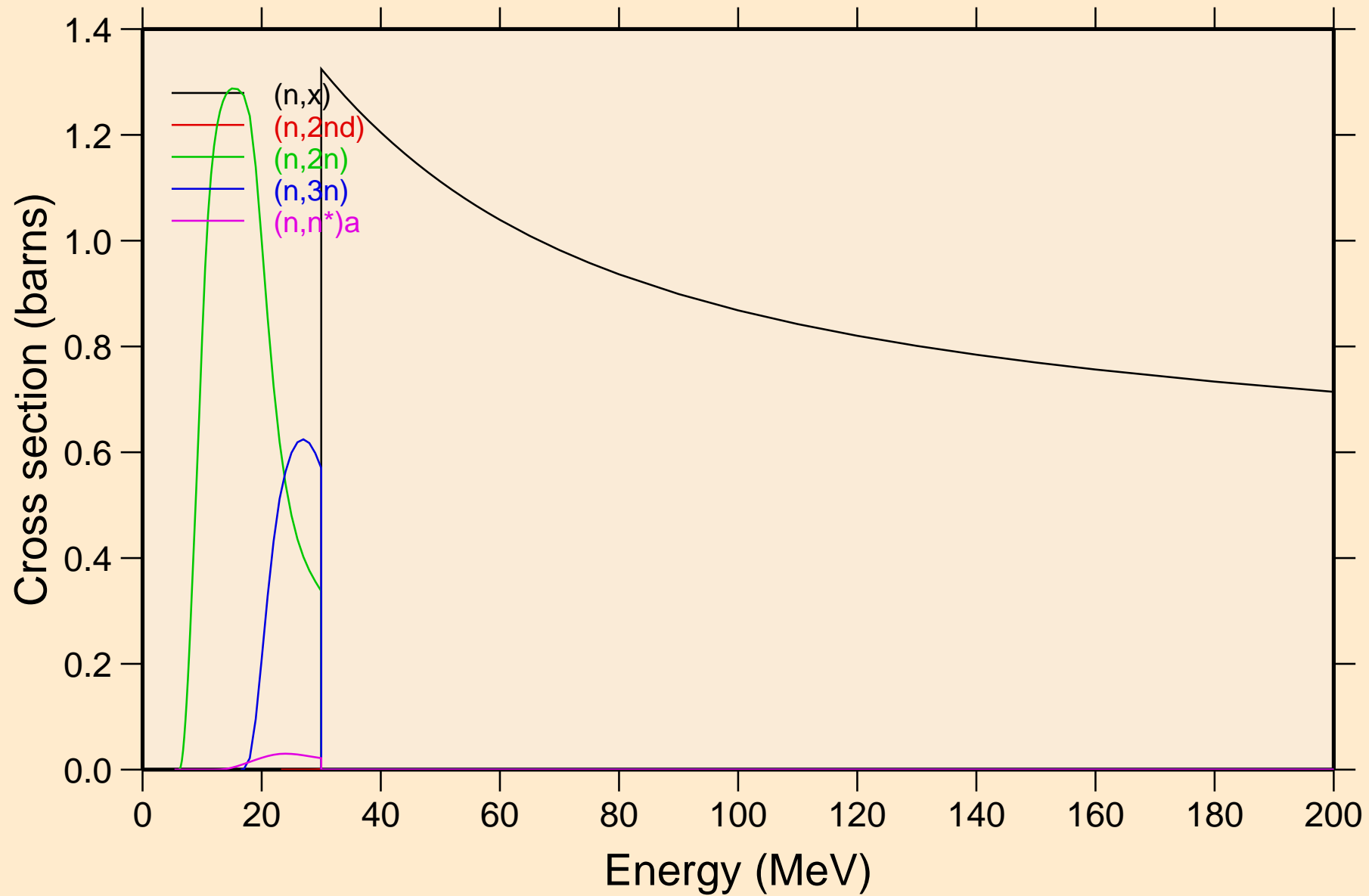


# ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels

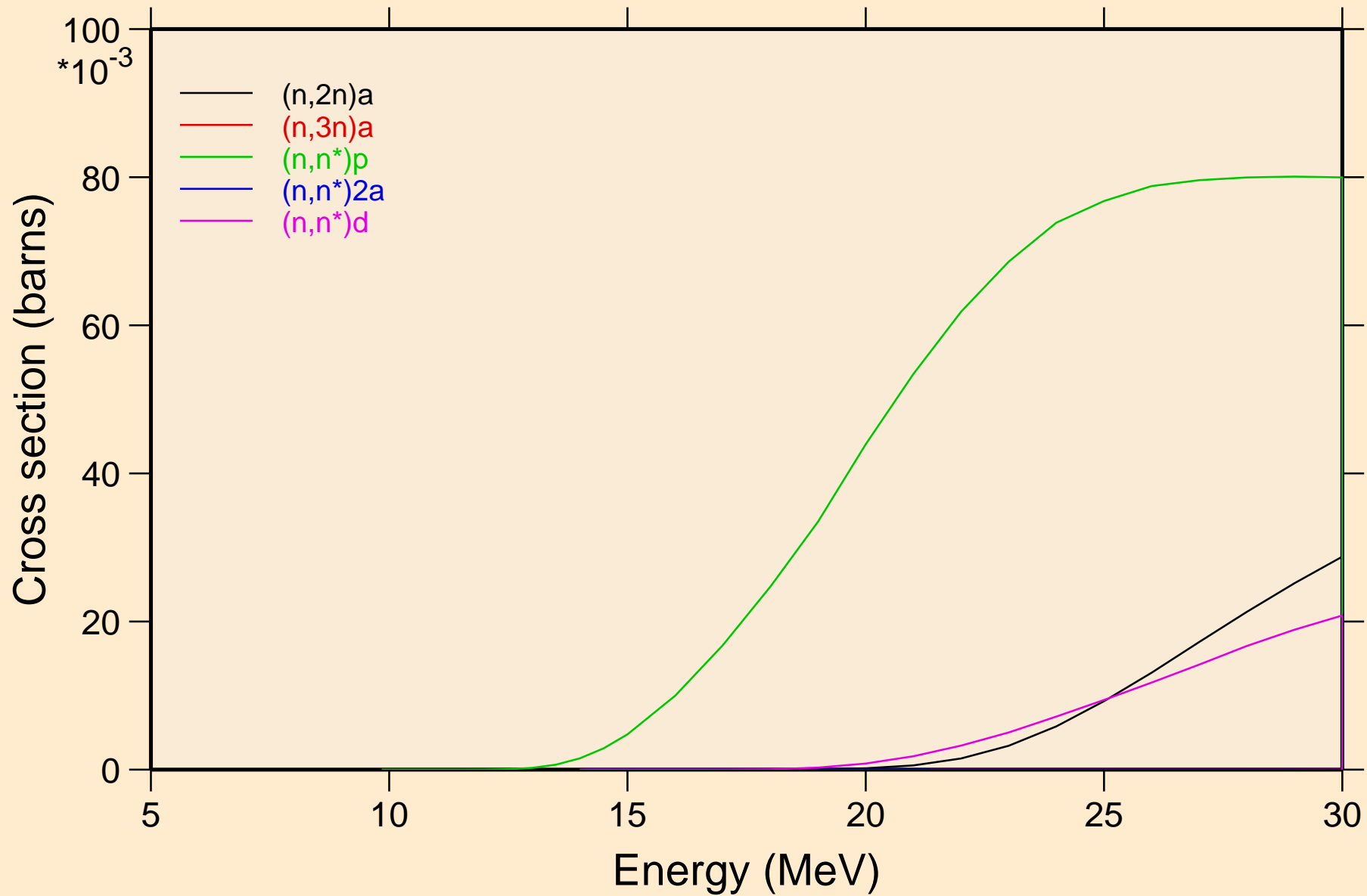


ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



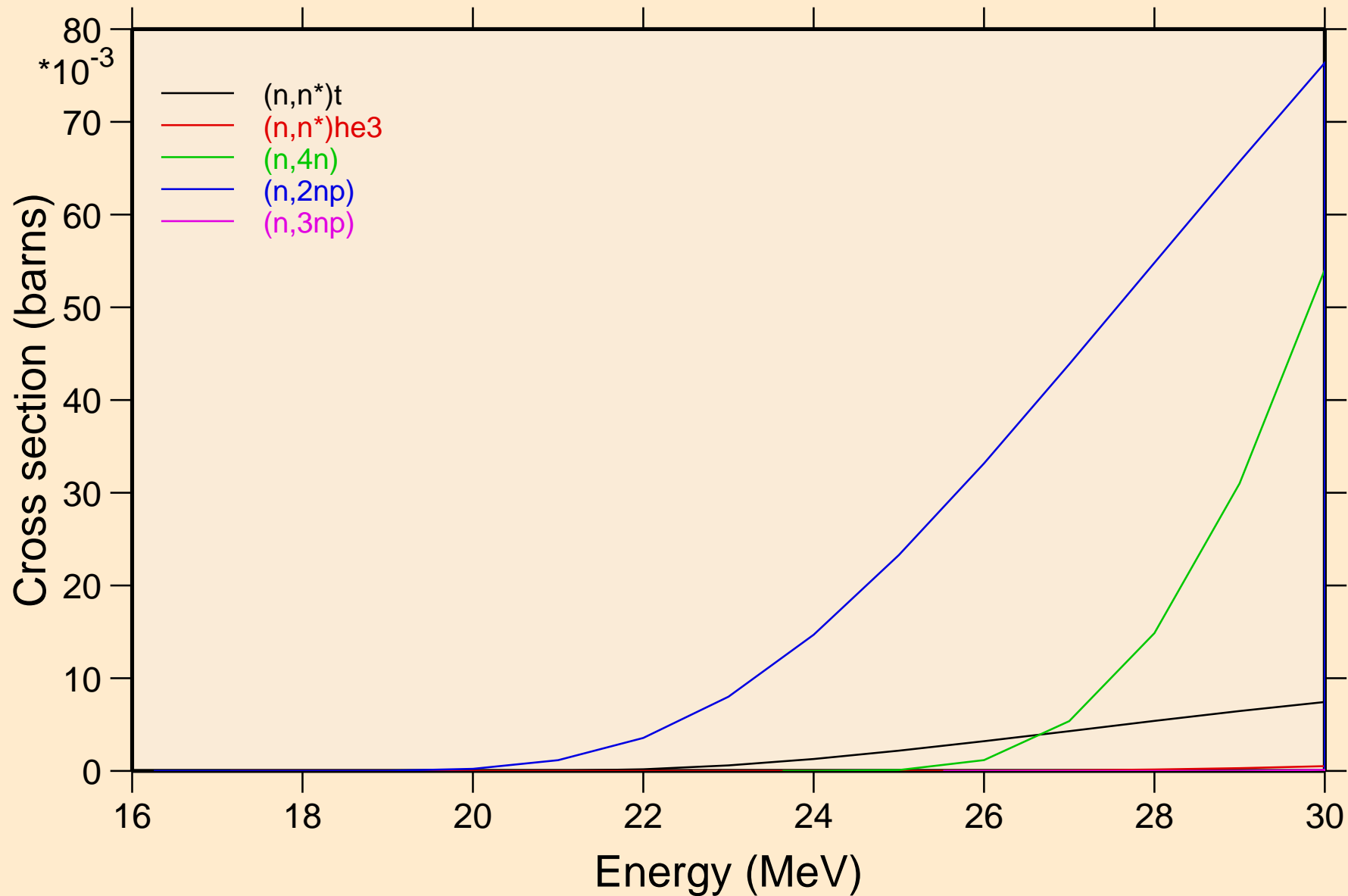
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## Threshold reactions



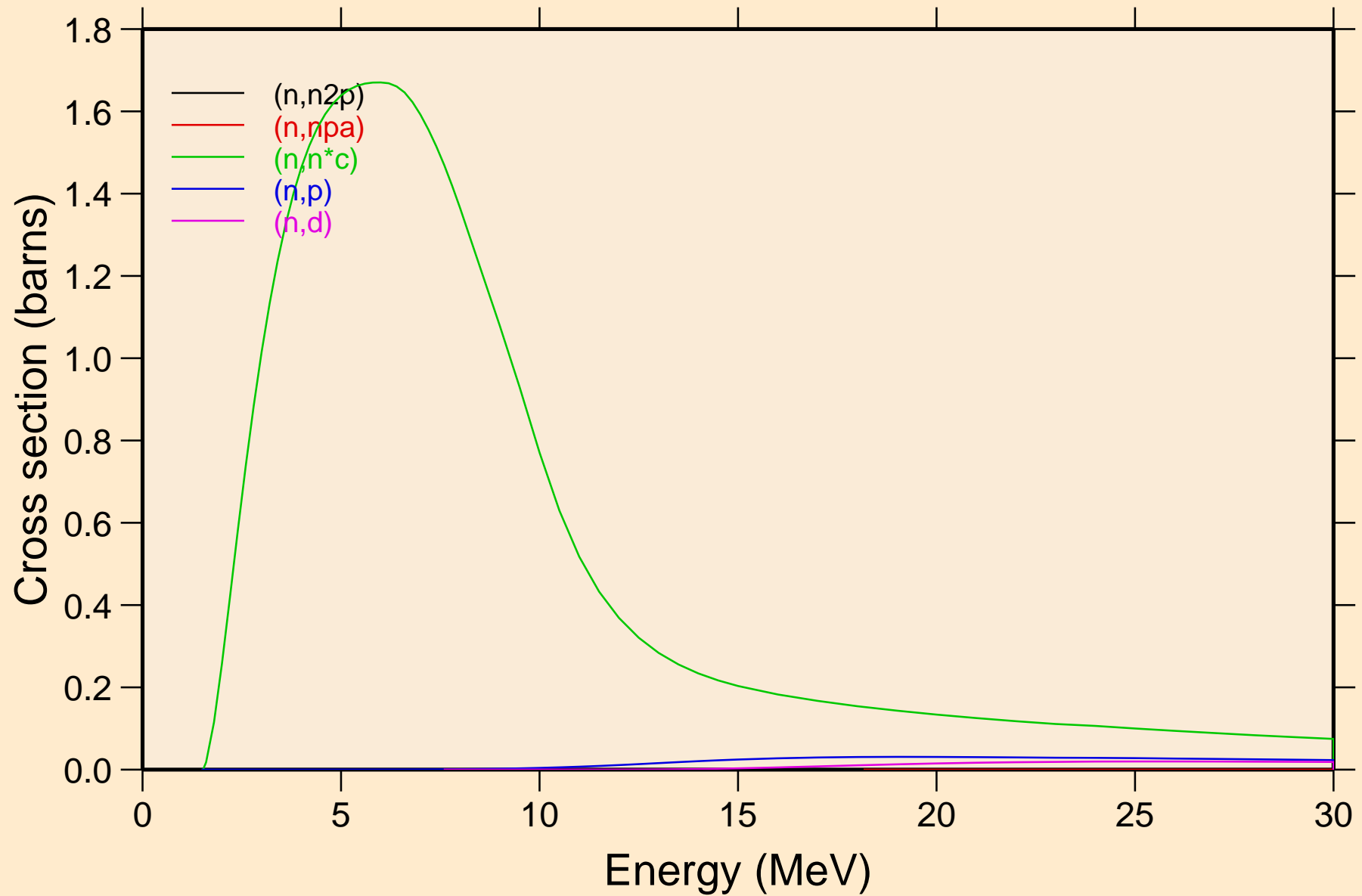
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## Threshold reactions

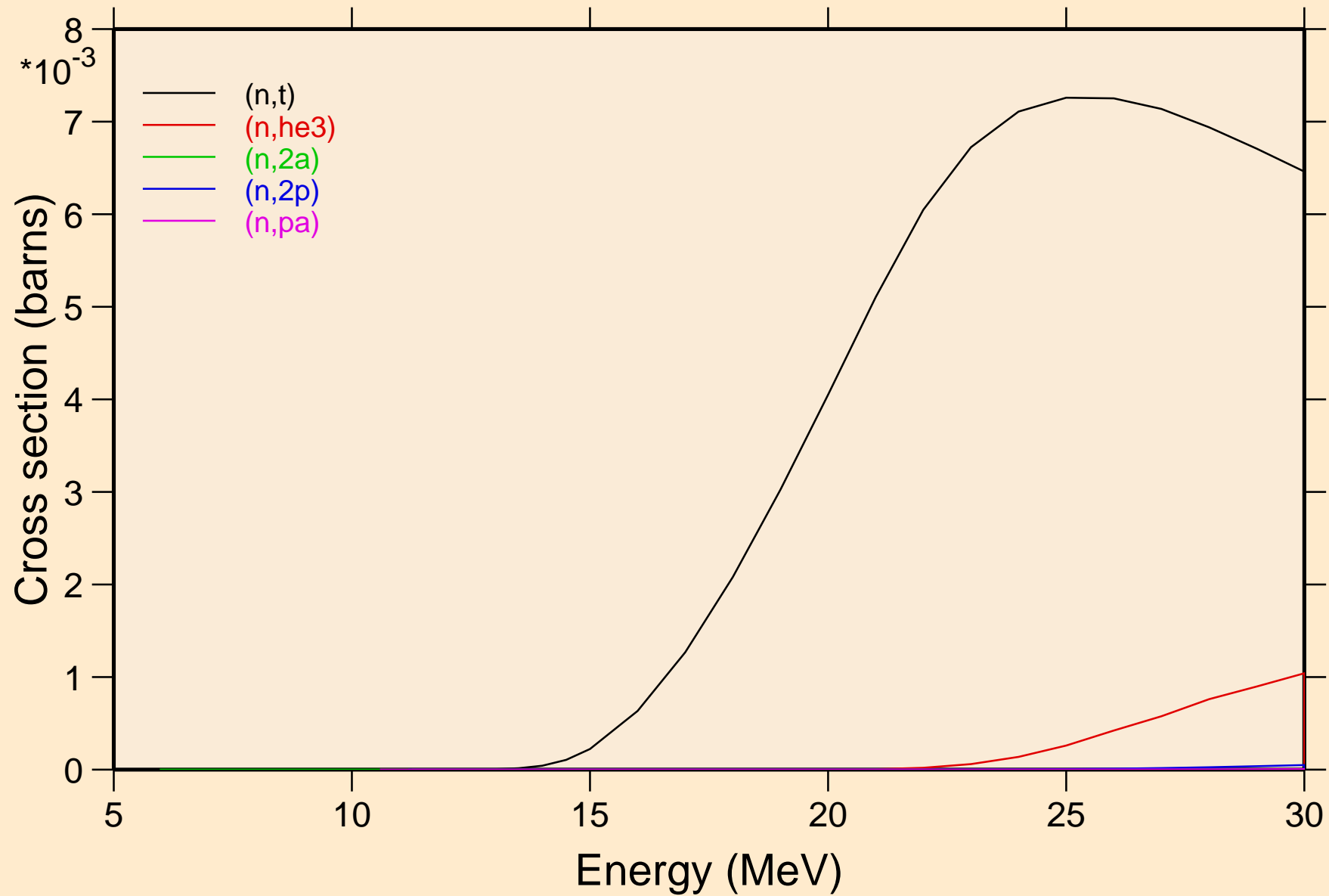




ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

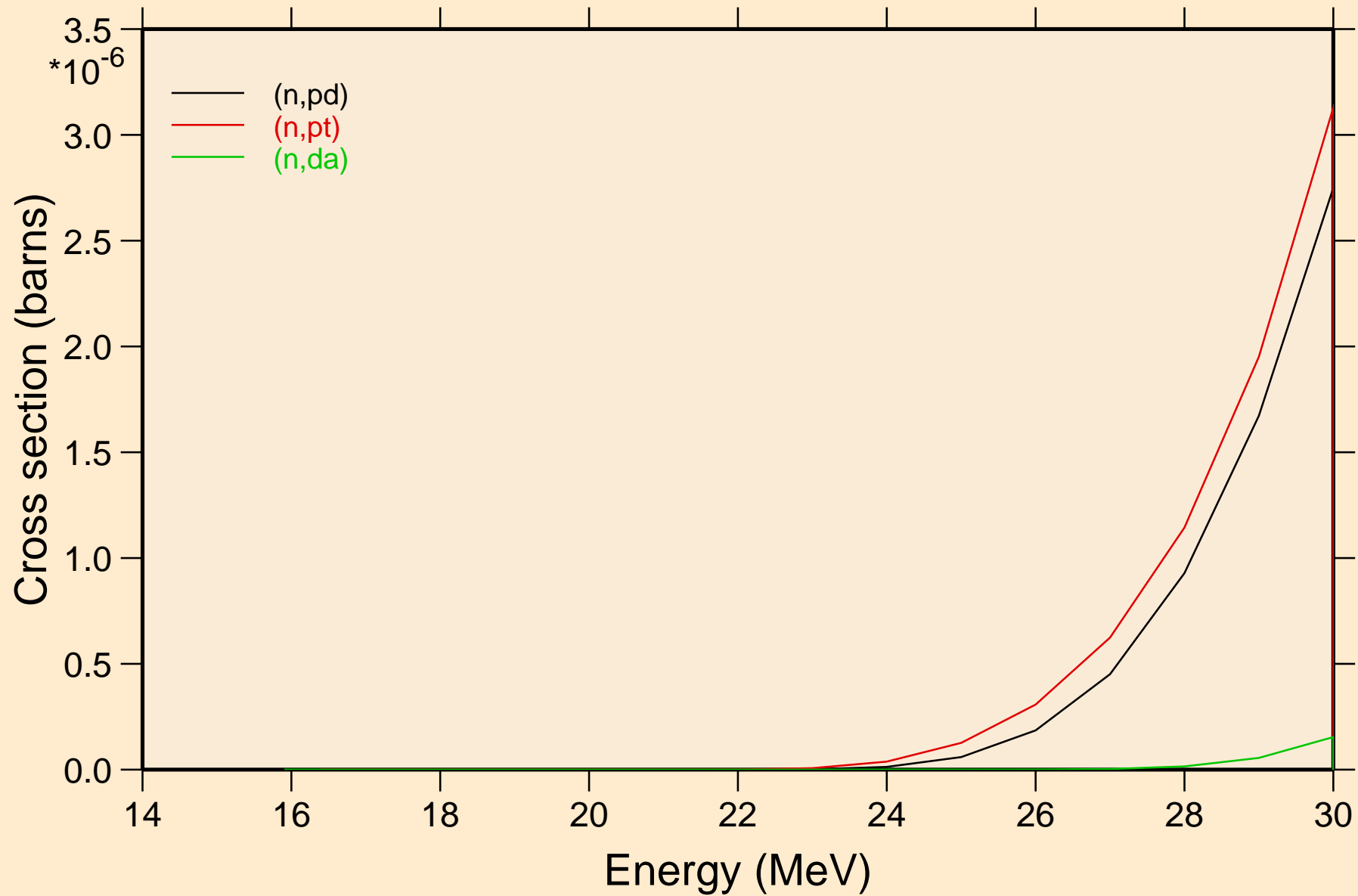


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Threshold reactions



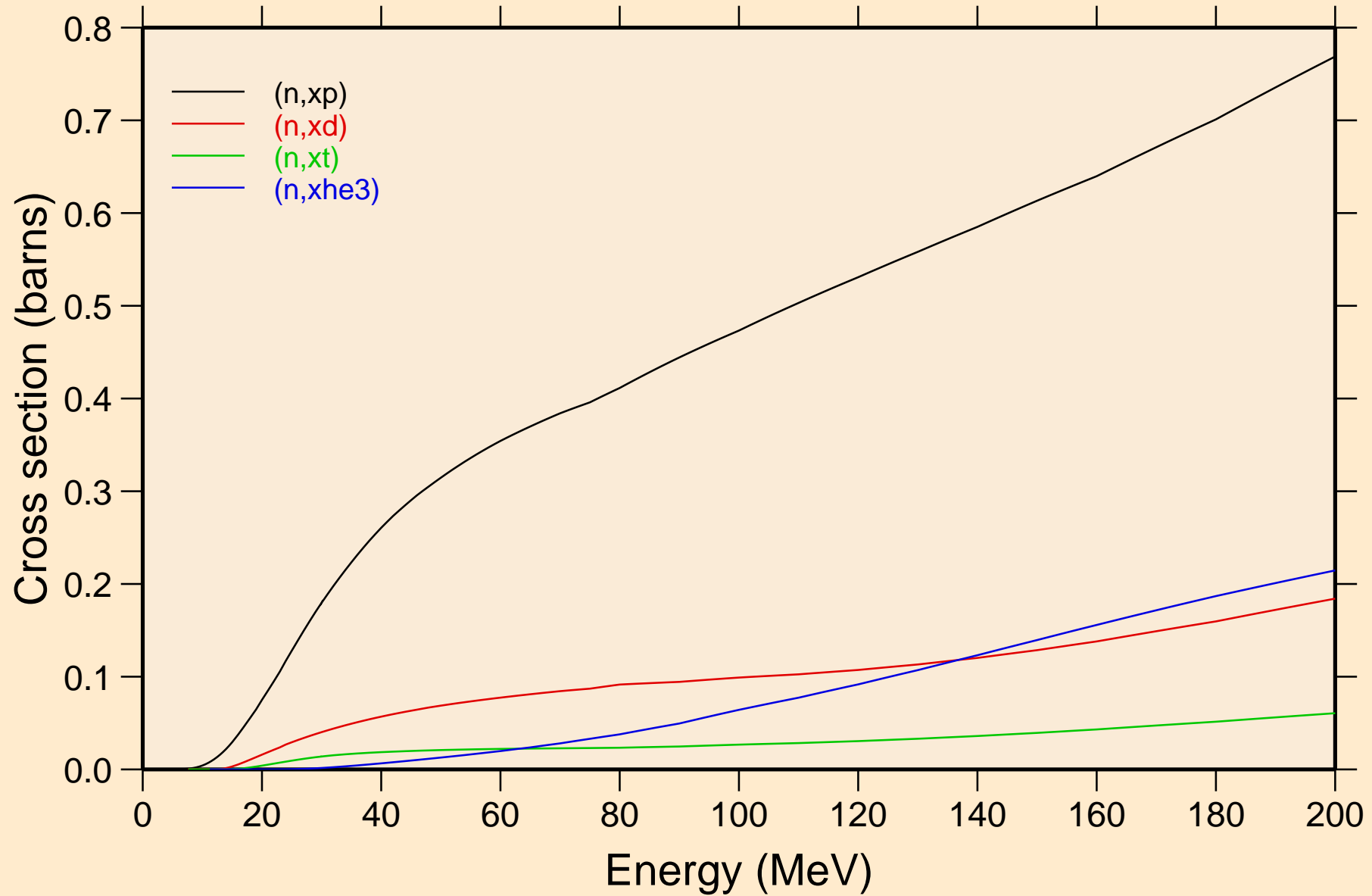
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## Threshold reactions

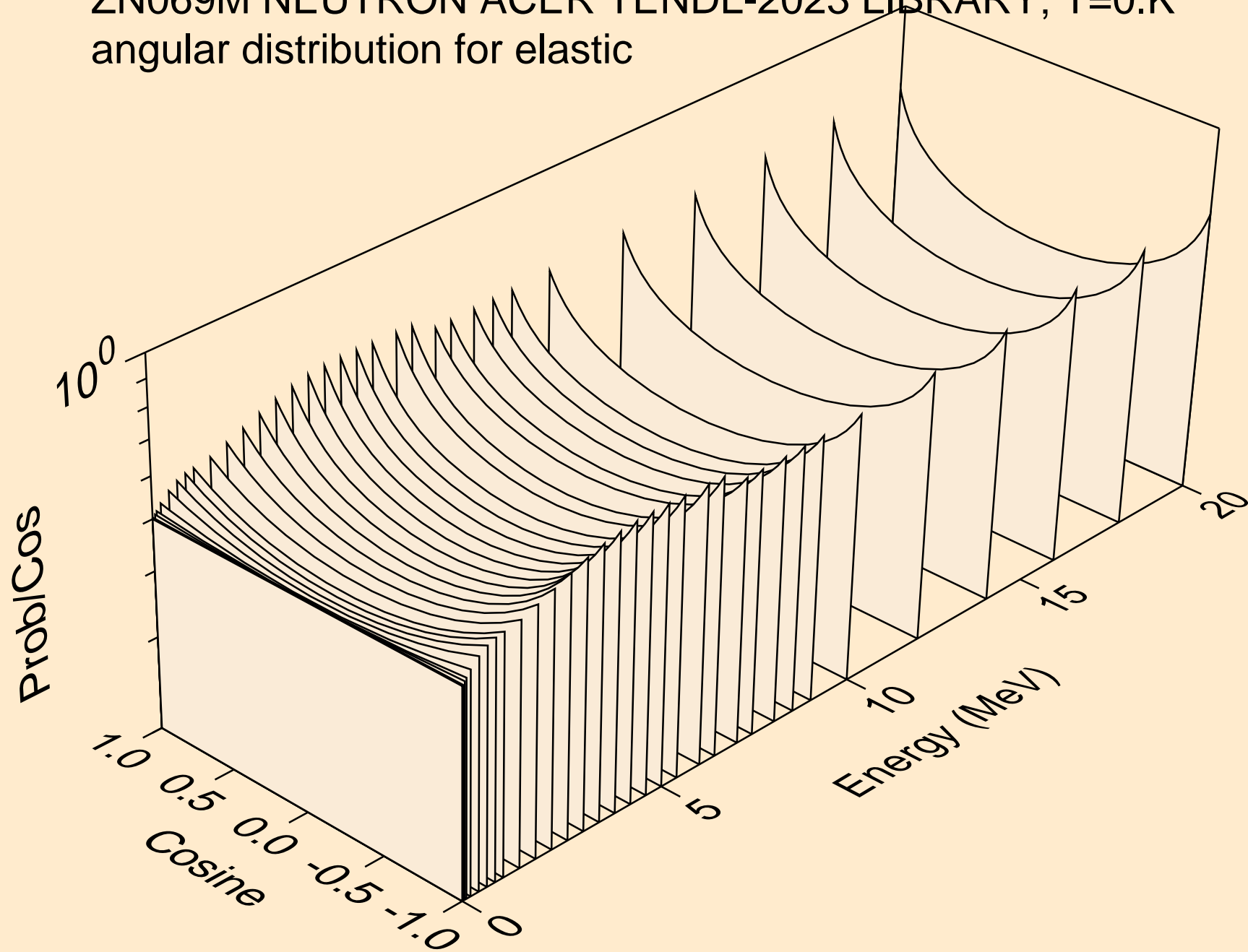


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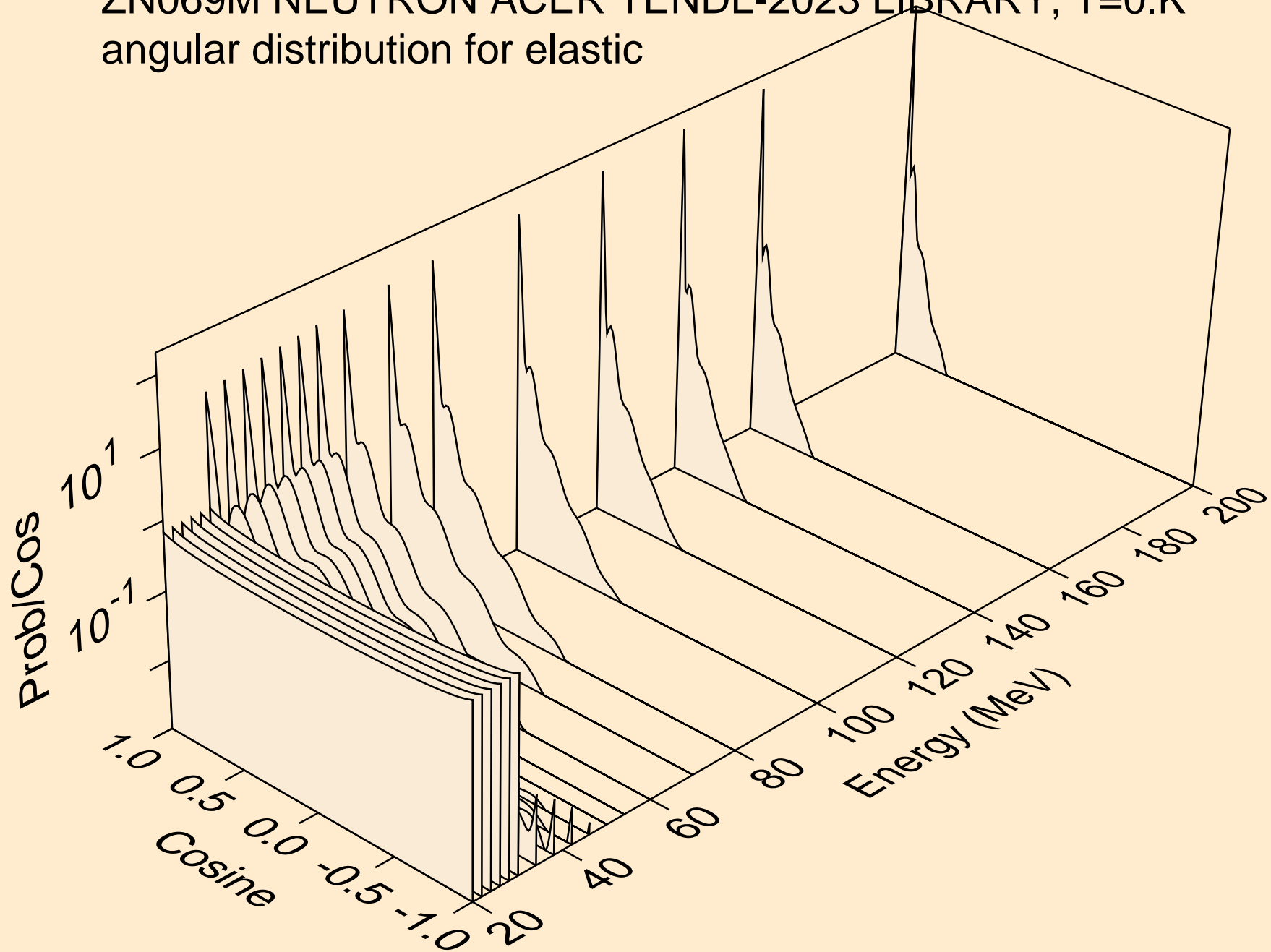
## Threshold reactions



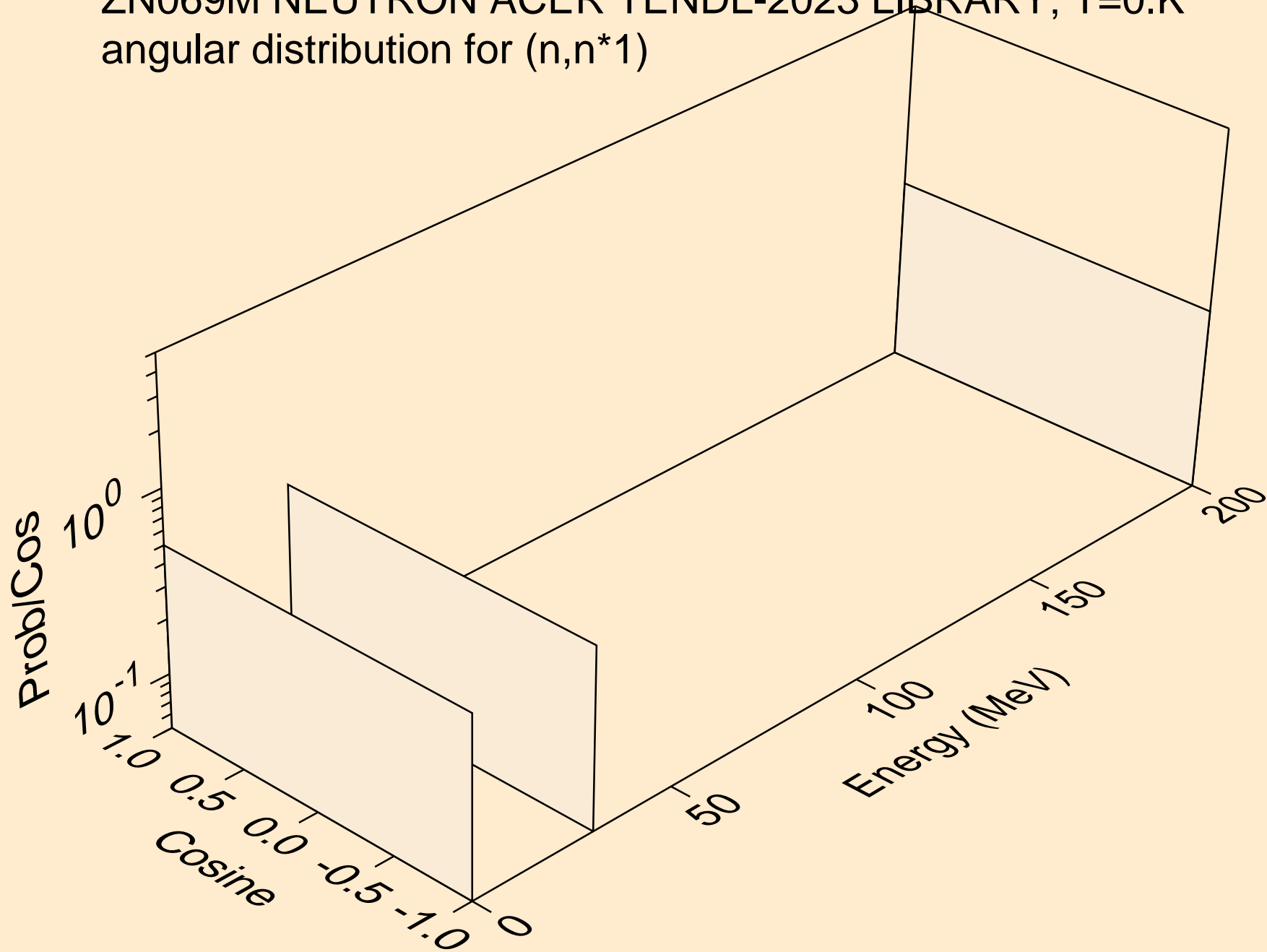
ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



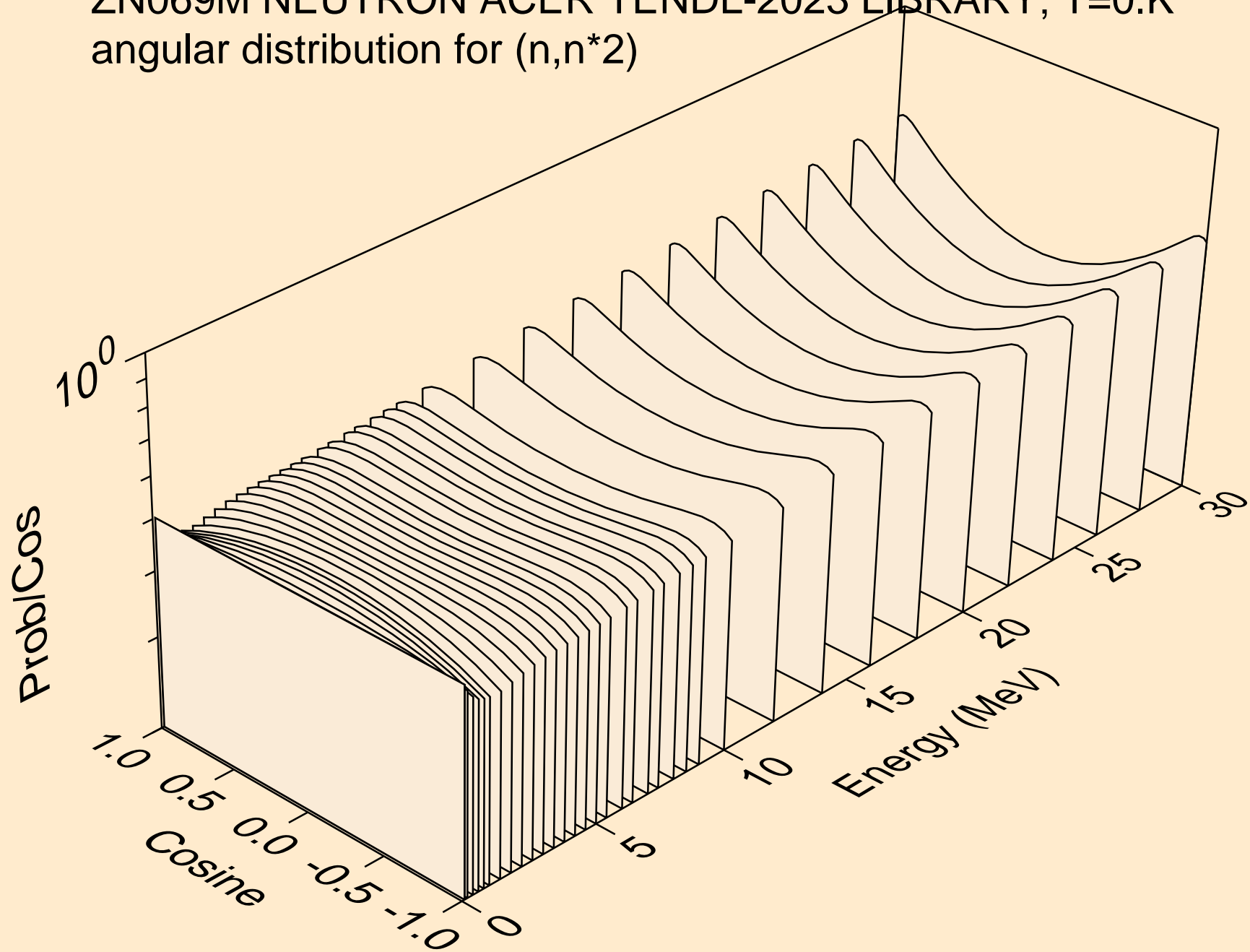
ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

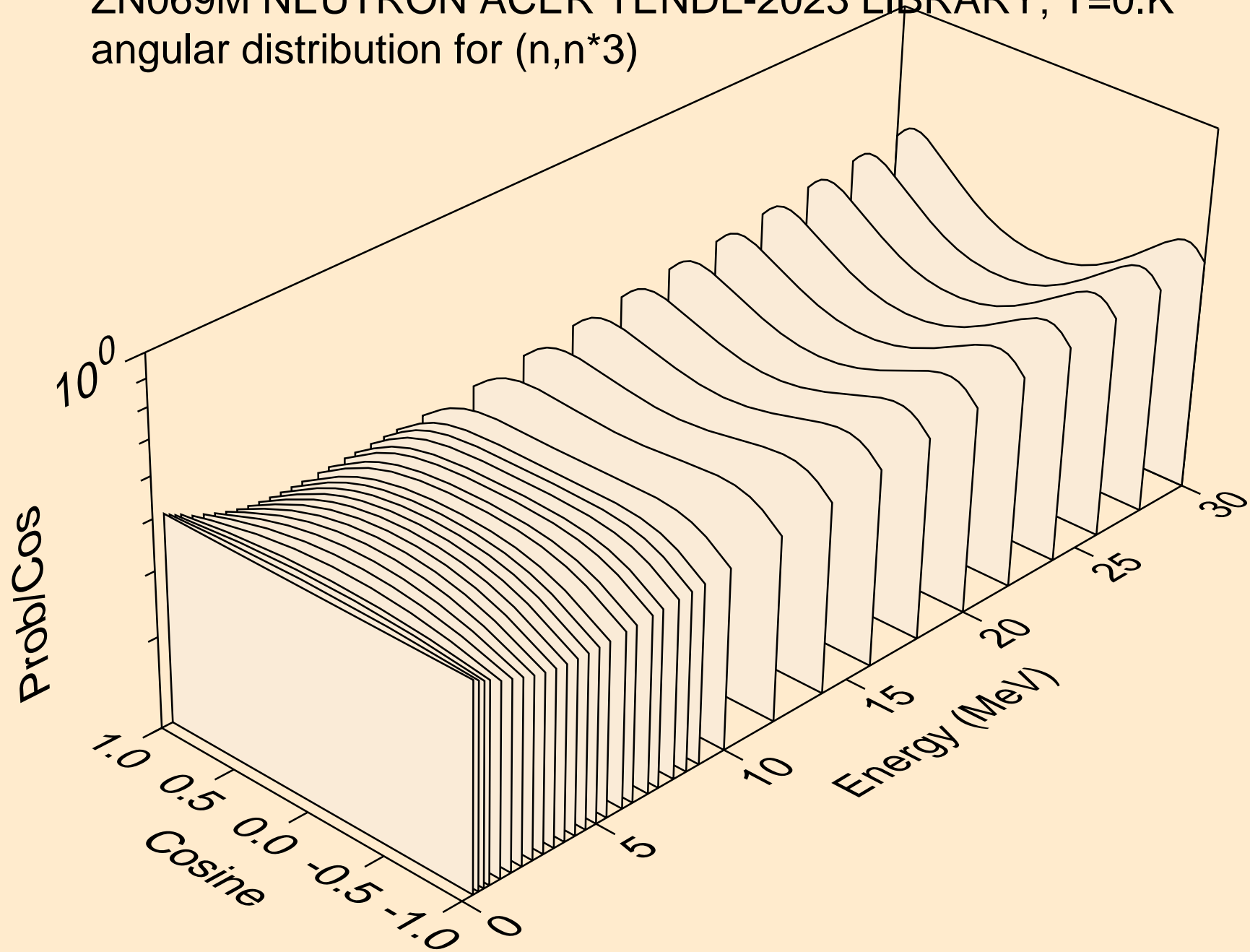


ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

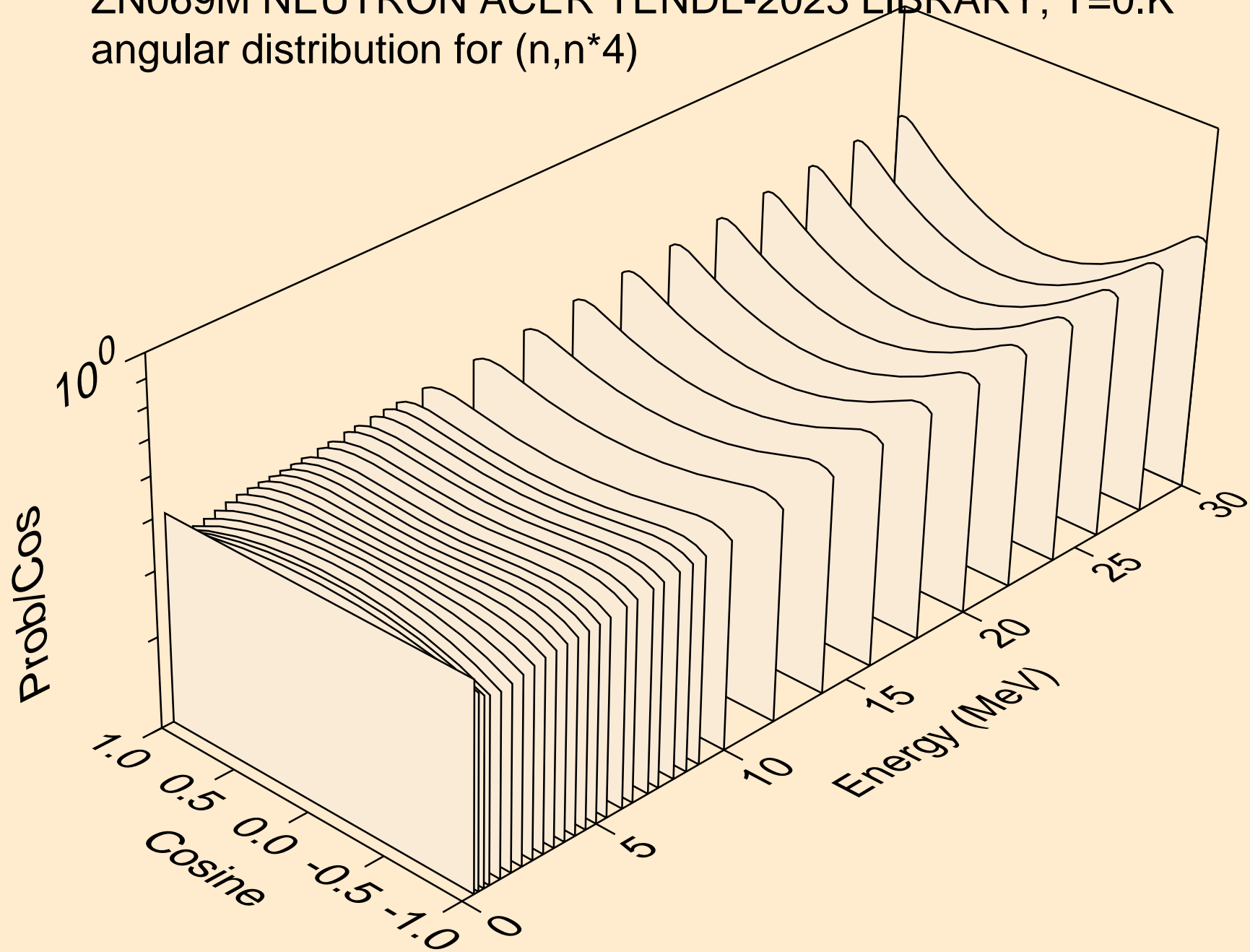




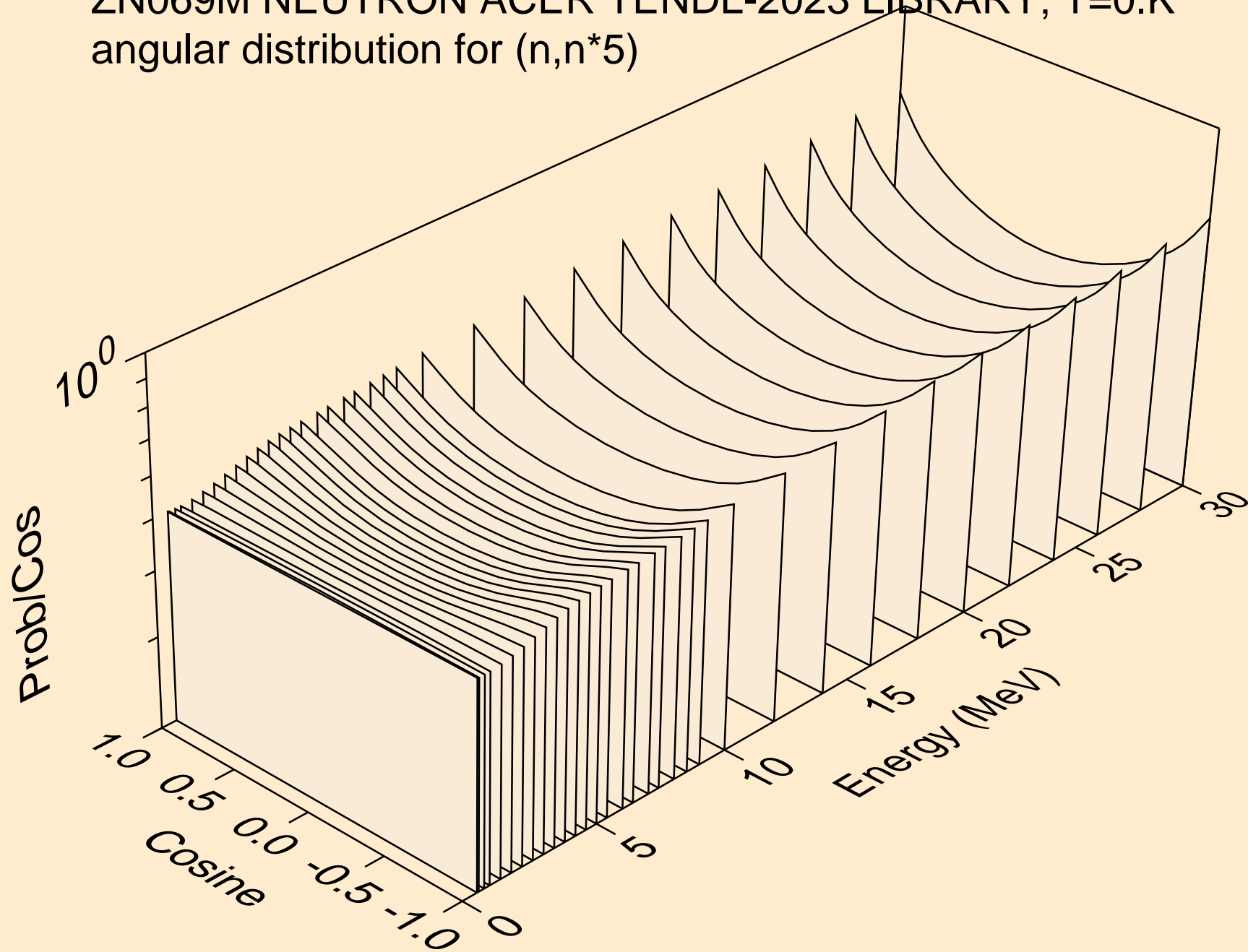
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angular distribution for (n,n\*3)



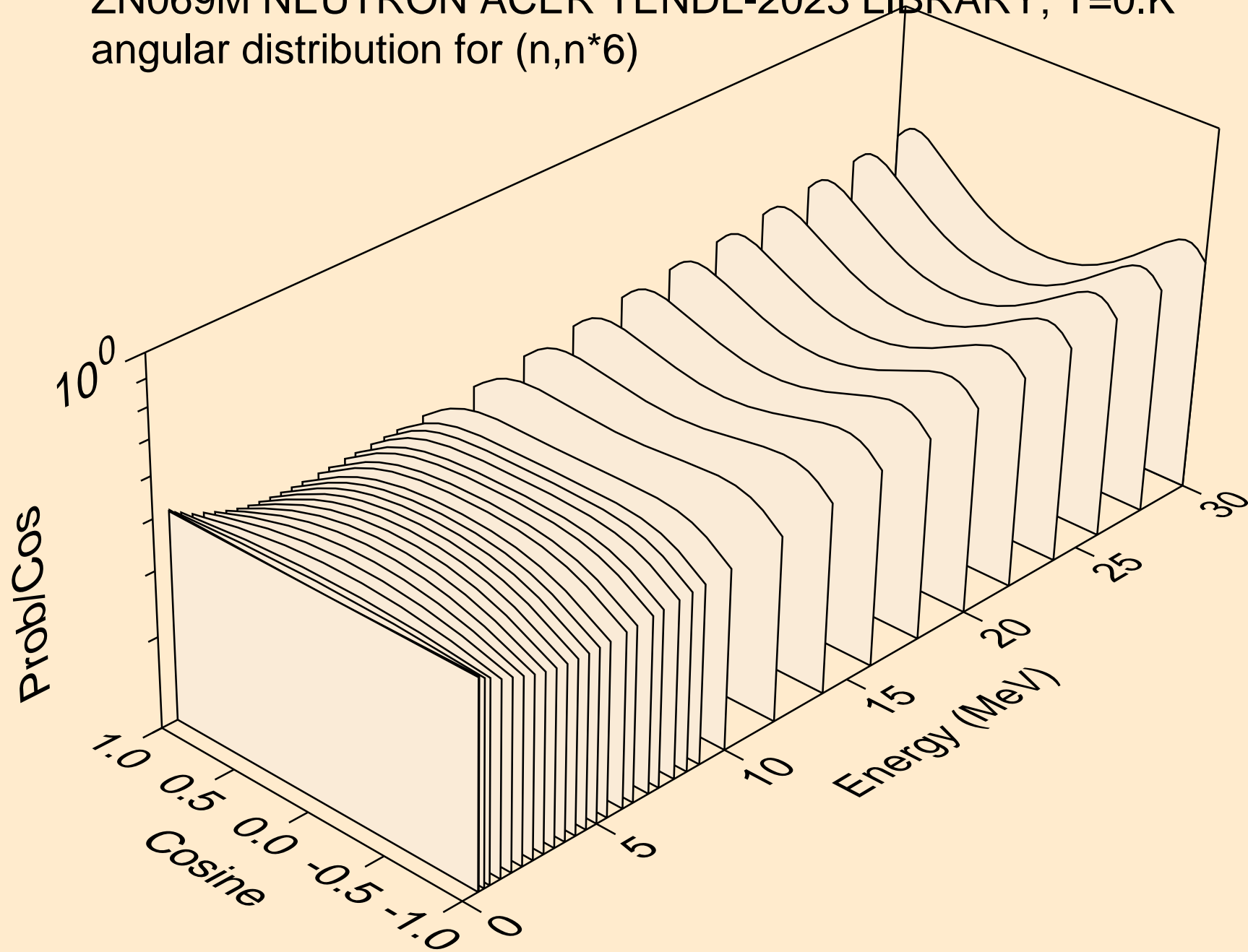
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angular distribution for (n,n\*4)



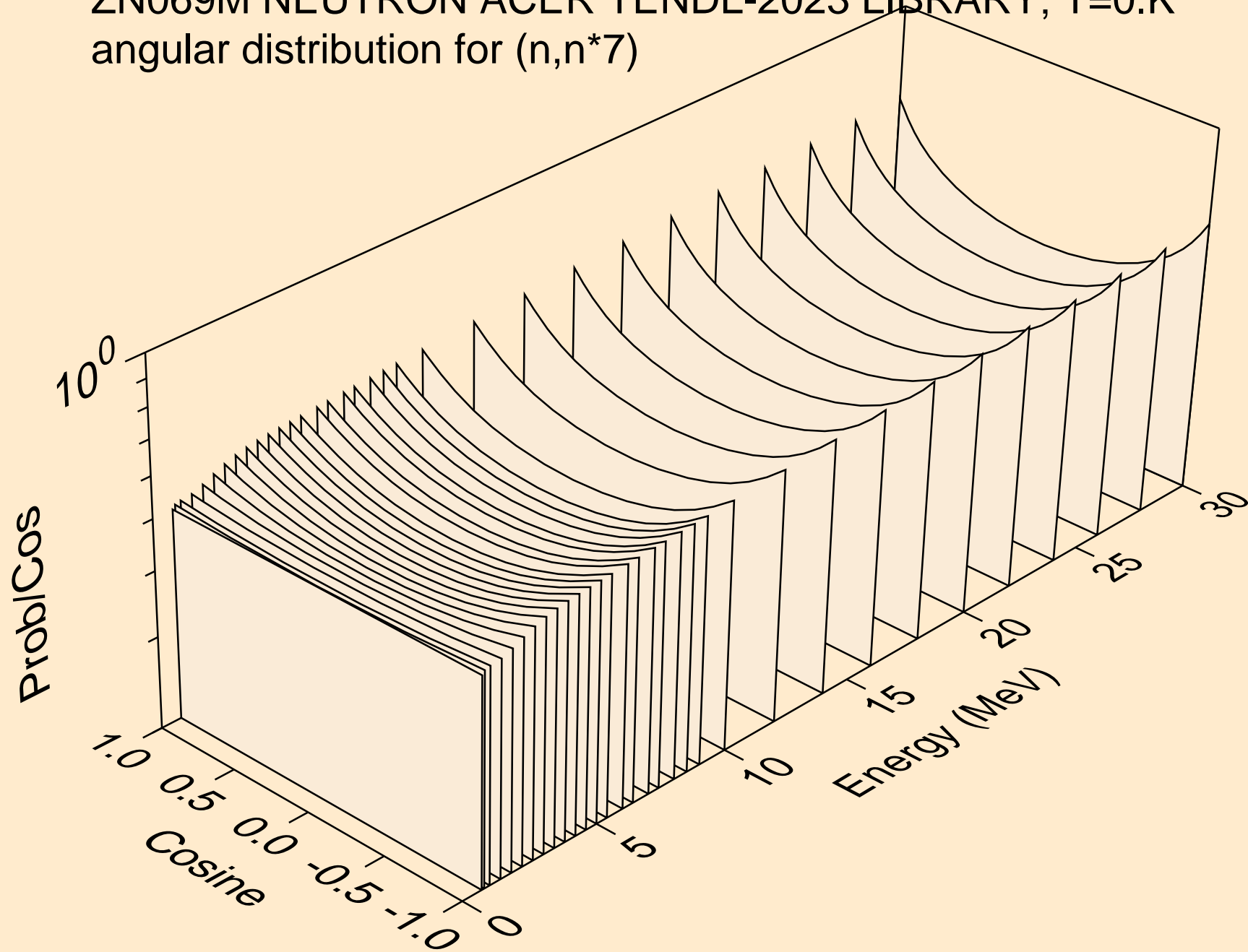
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angular distribution for (n,n\*5)



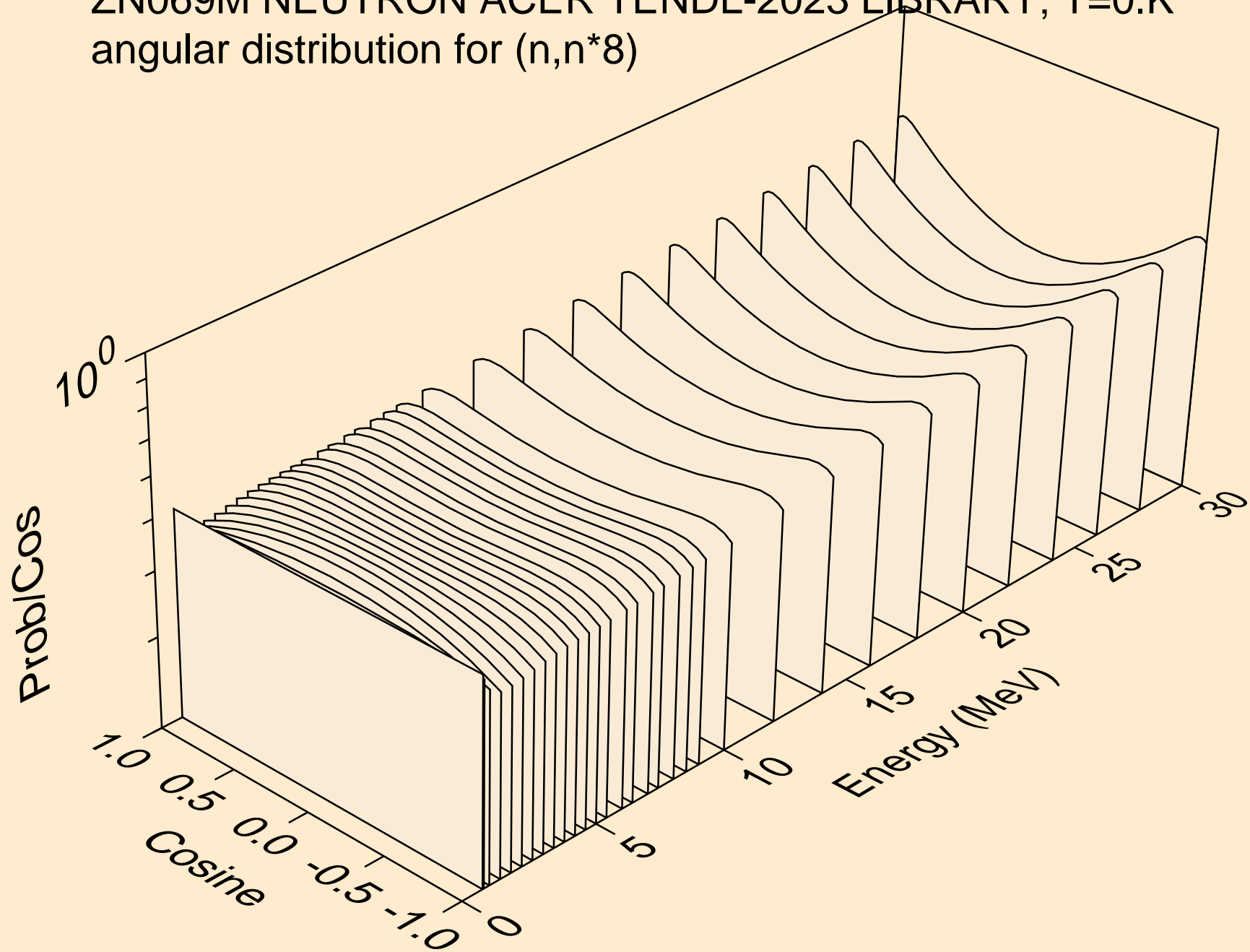
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angular distribution for (n,n\*6)



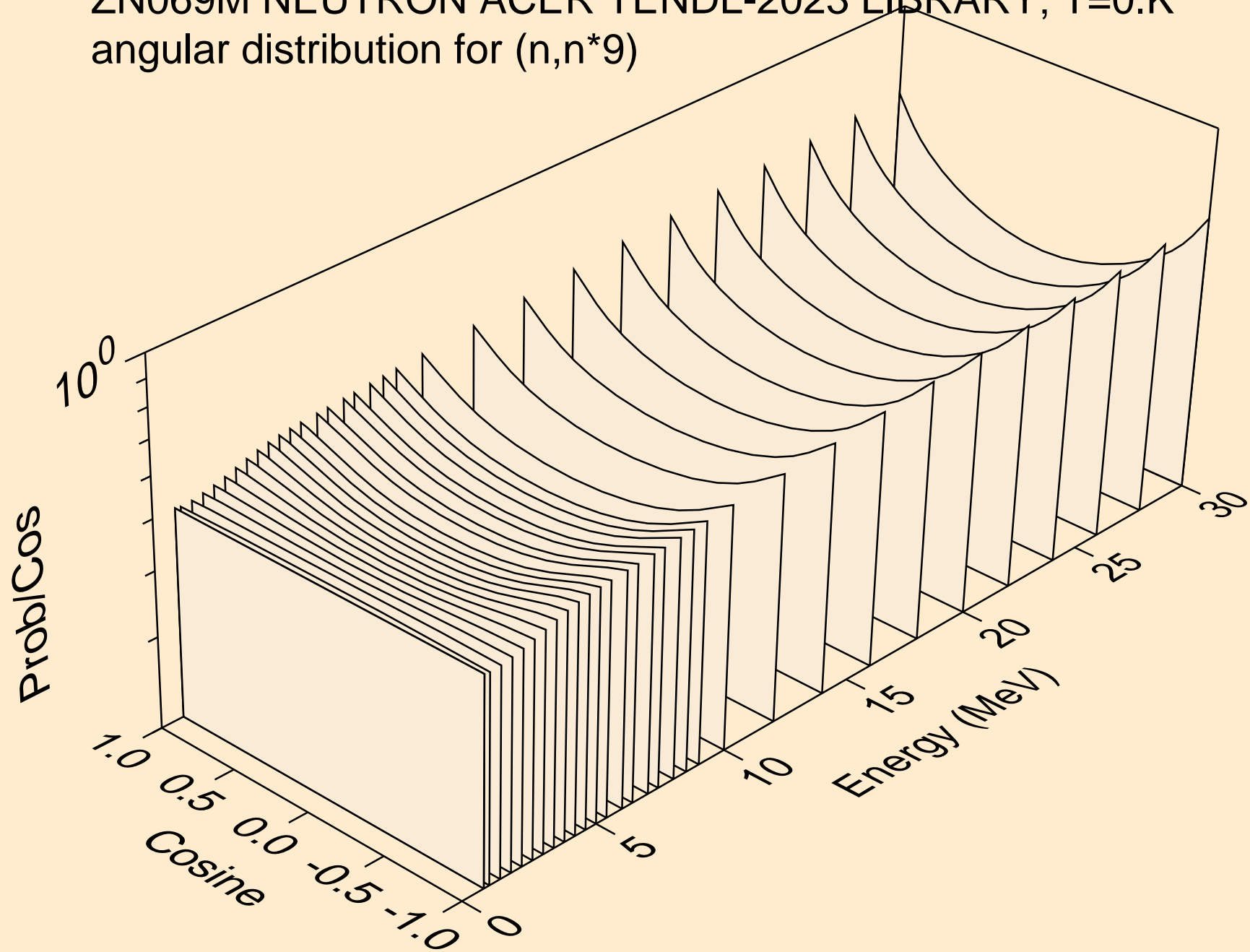
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angular distribution for (n,n\*7)



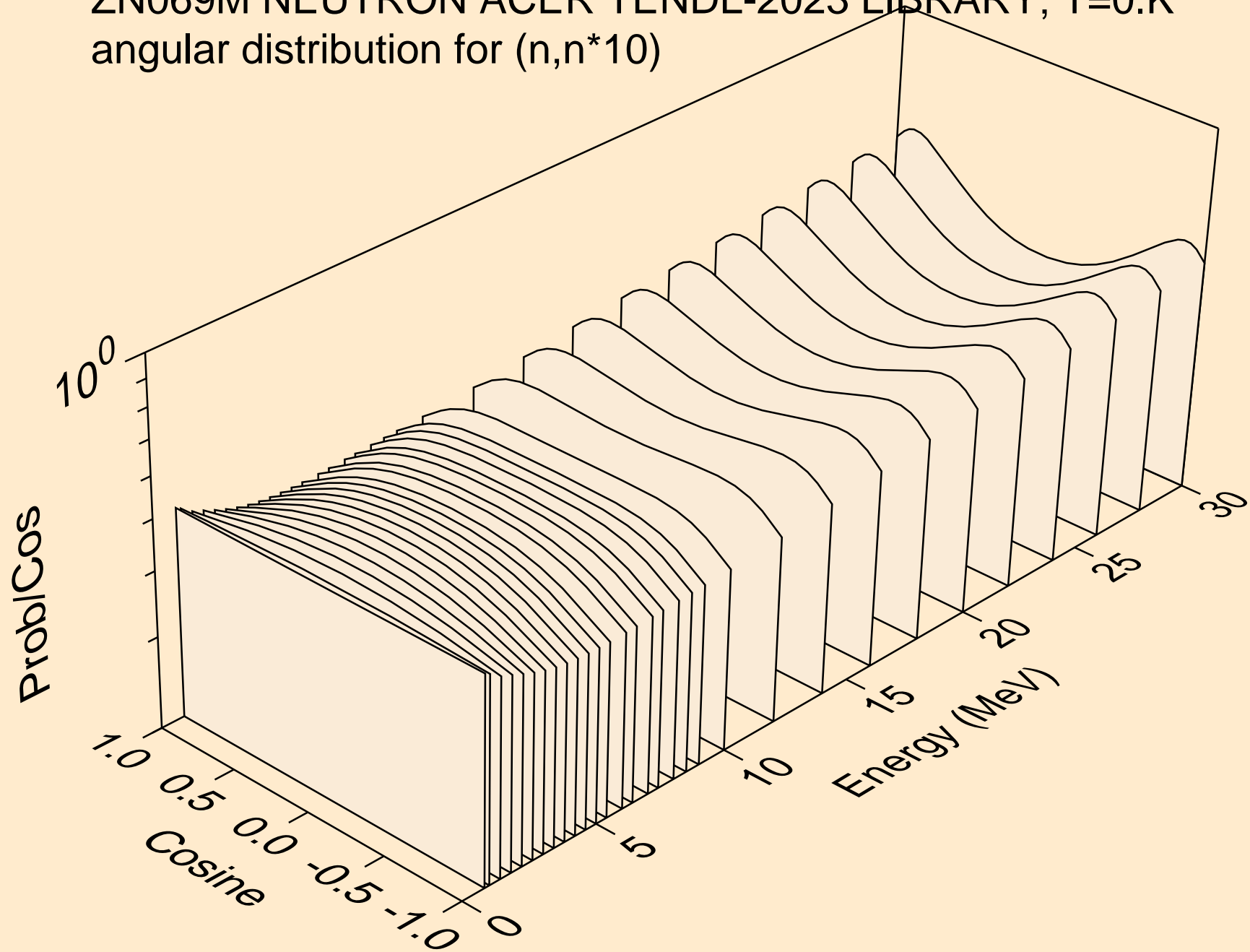
ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

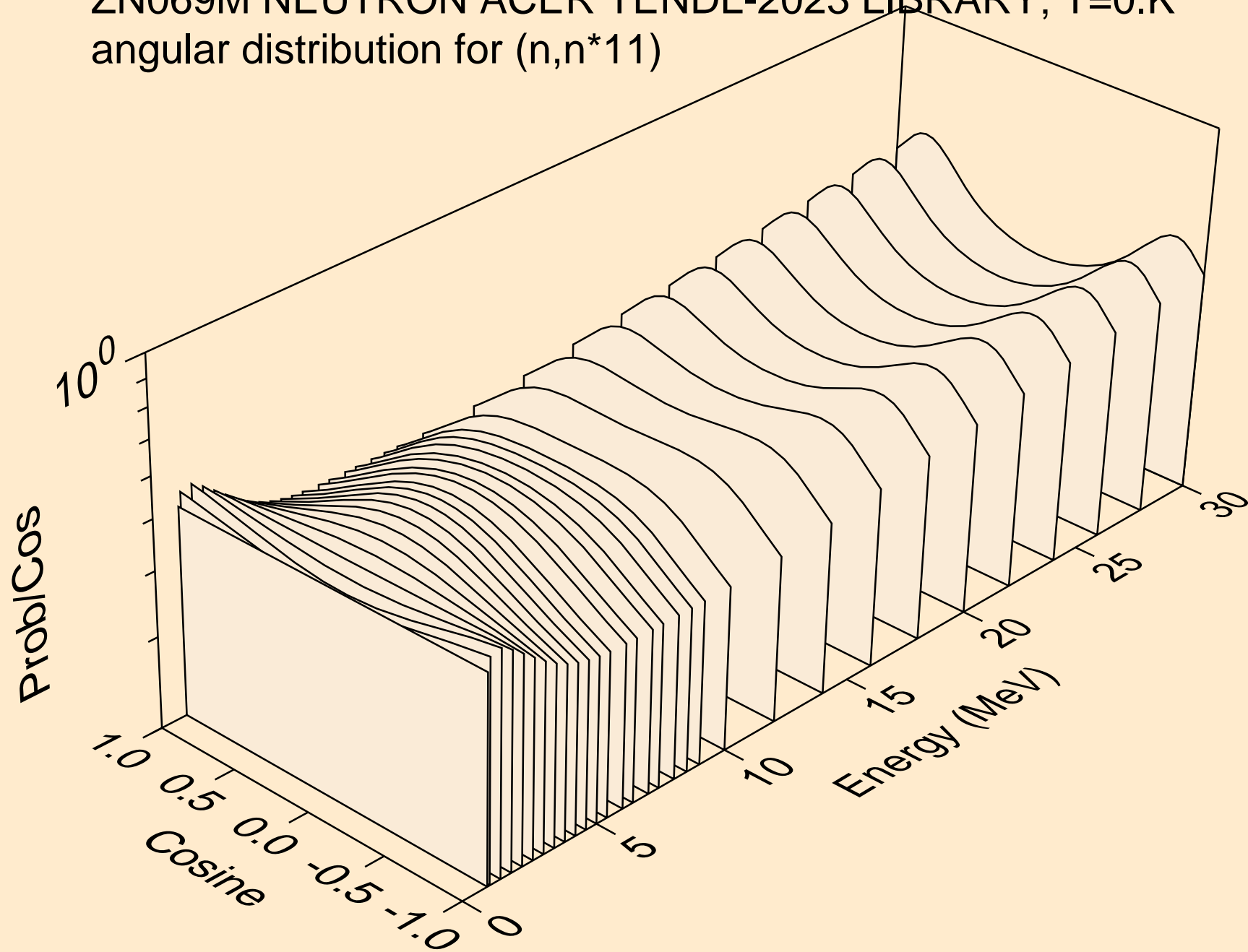


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angular distribution for (n,n\*10)

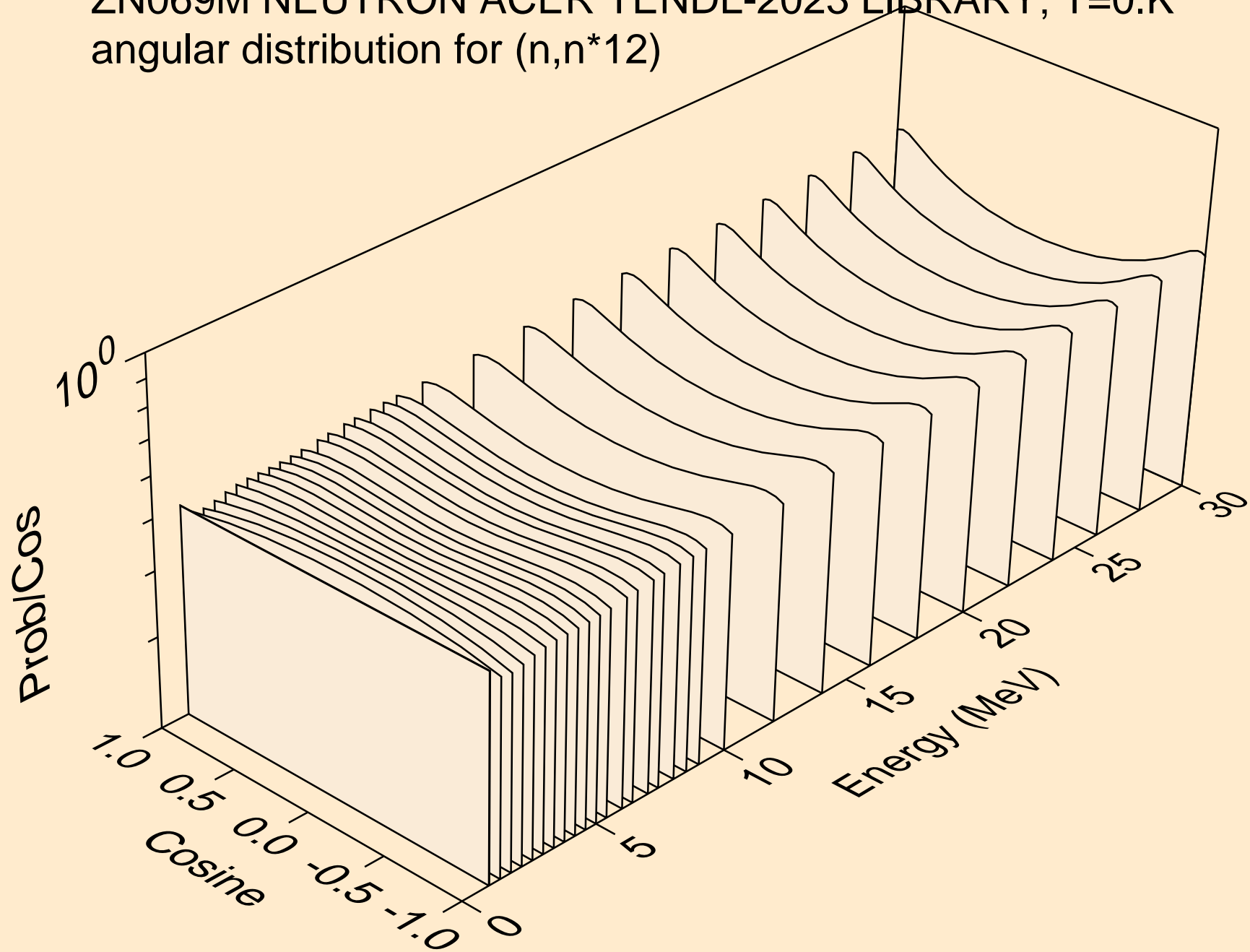




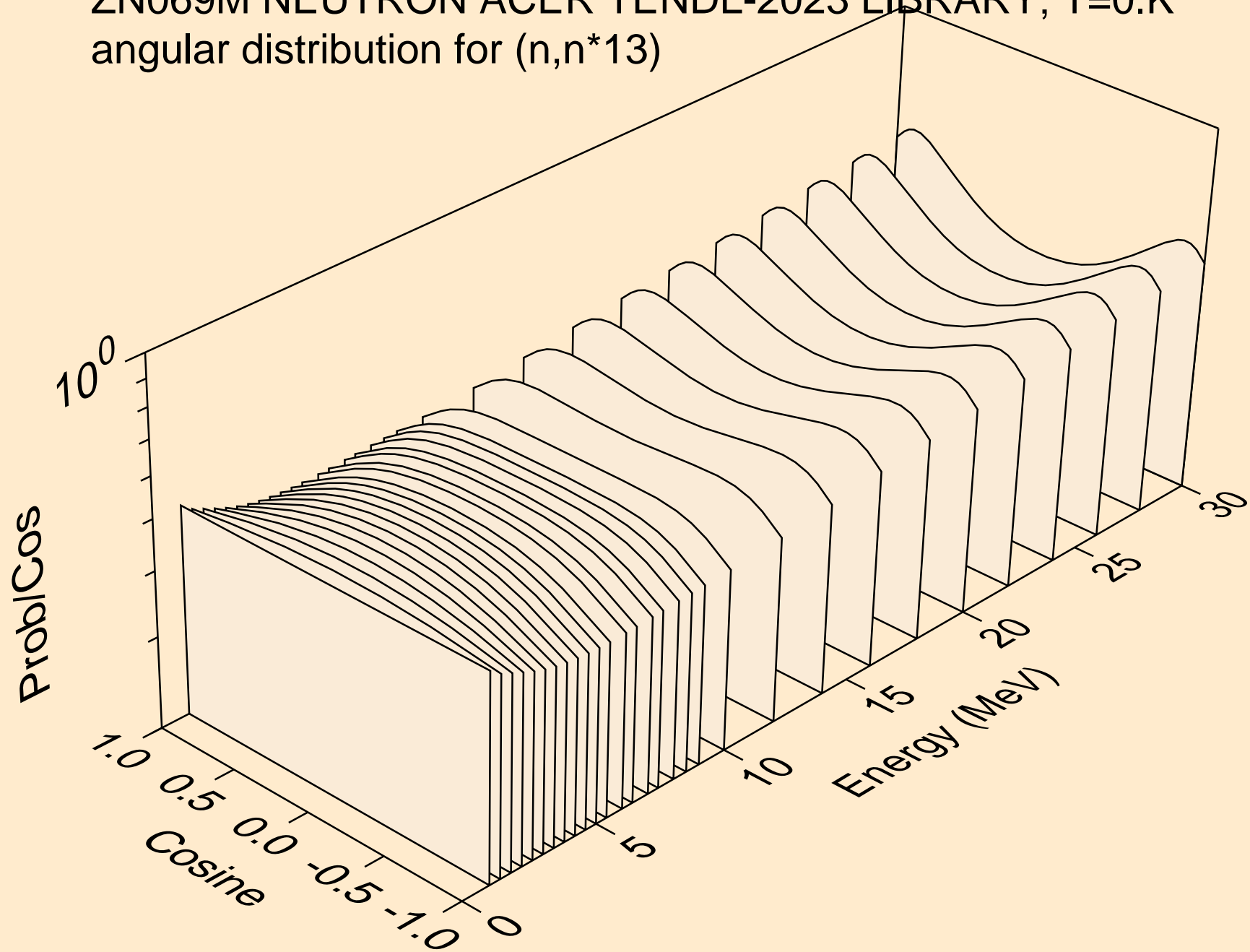
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angular distribution for (n,n\*11)



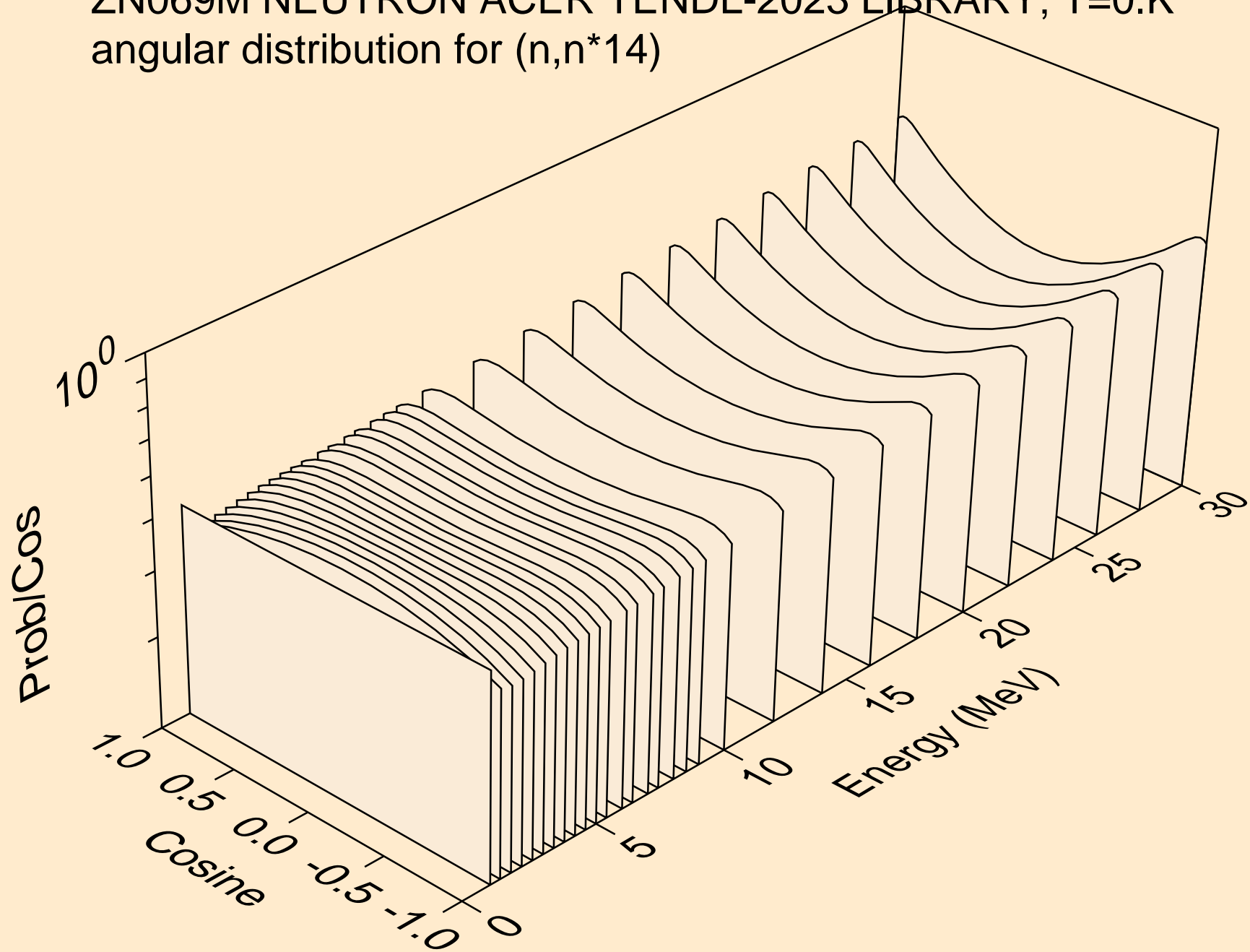
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angular distribution for (n,n\*12)



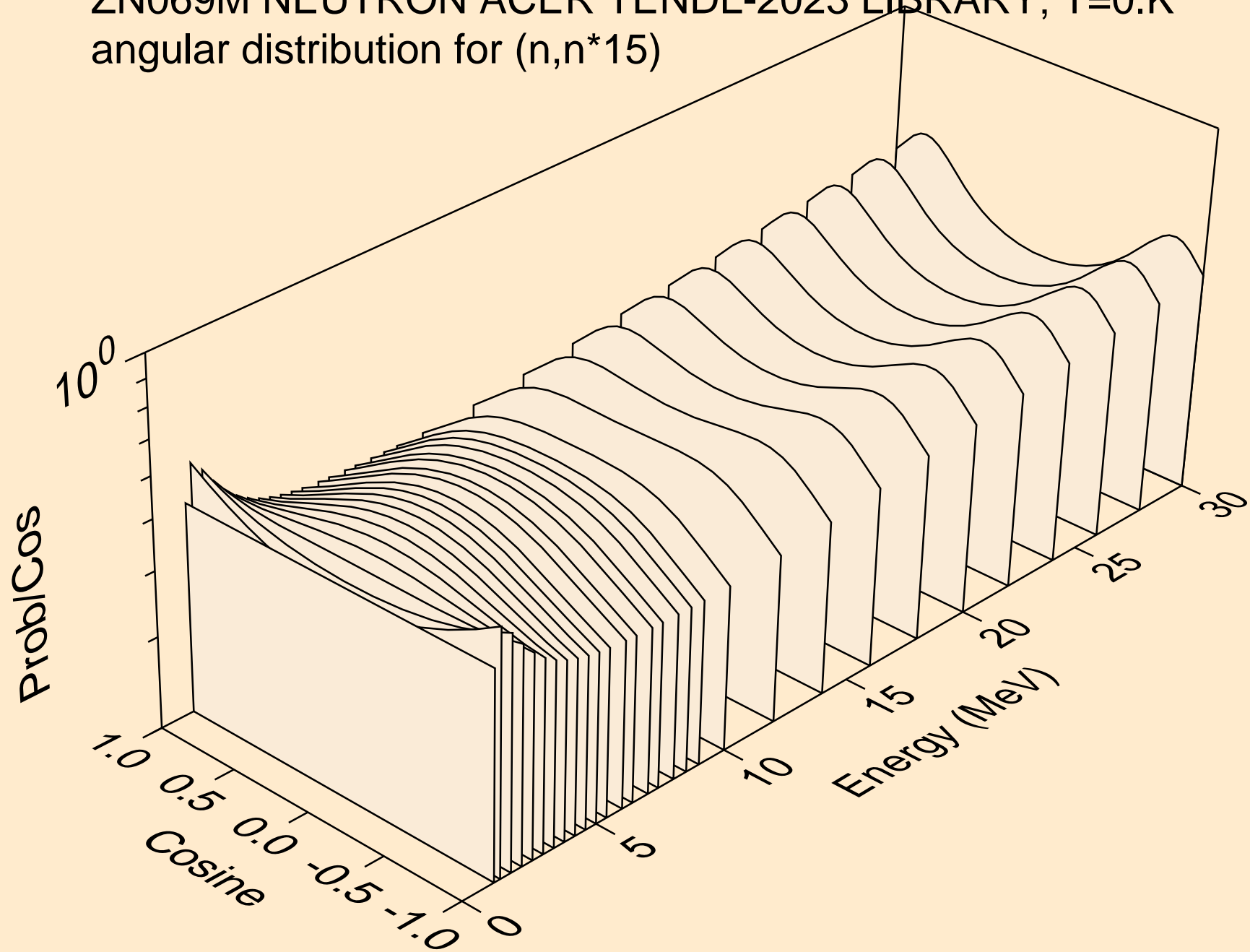
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angular distribution for (n,n\*13)



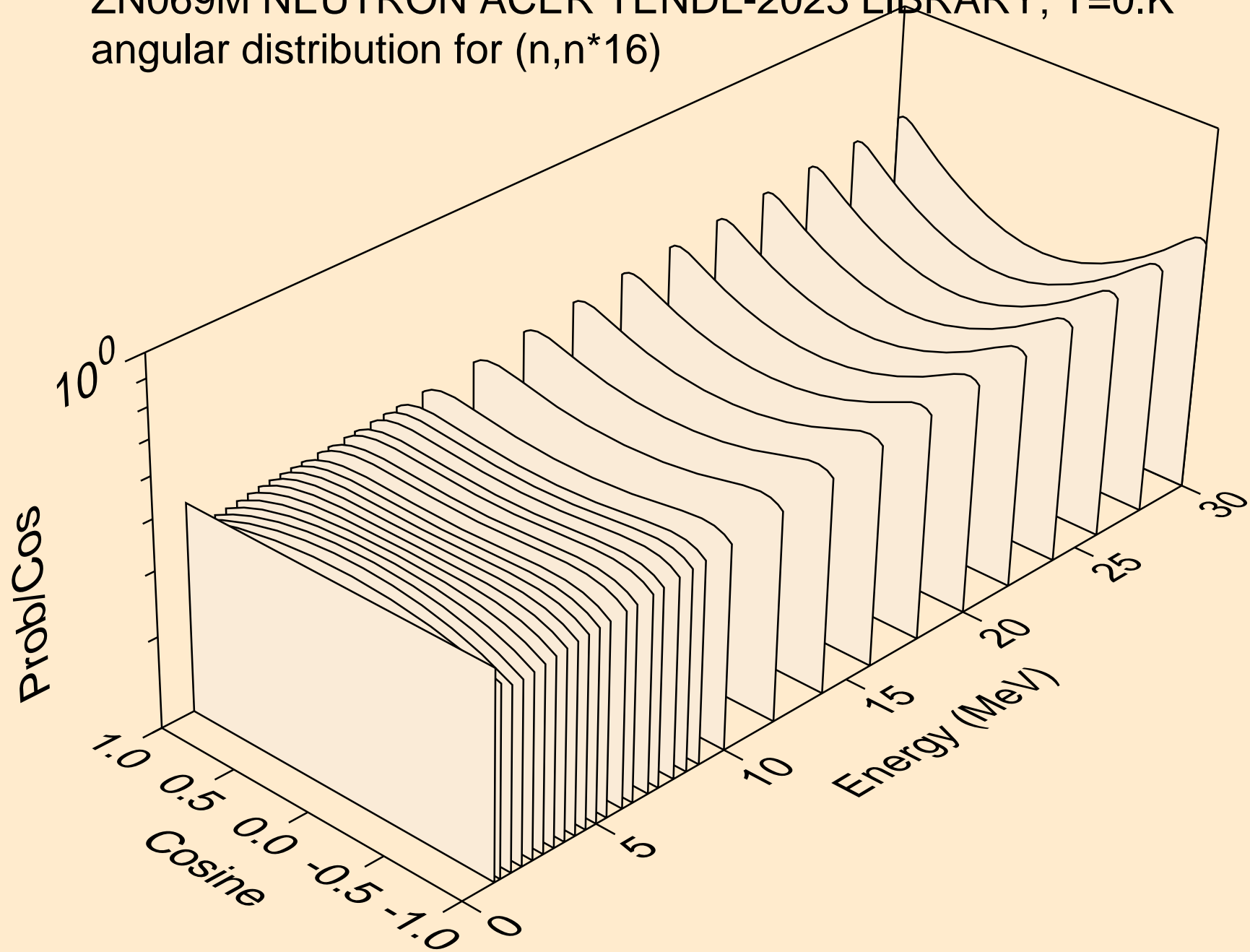
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angular distribution for (n,n\*14)



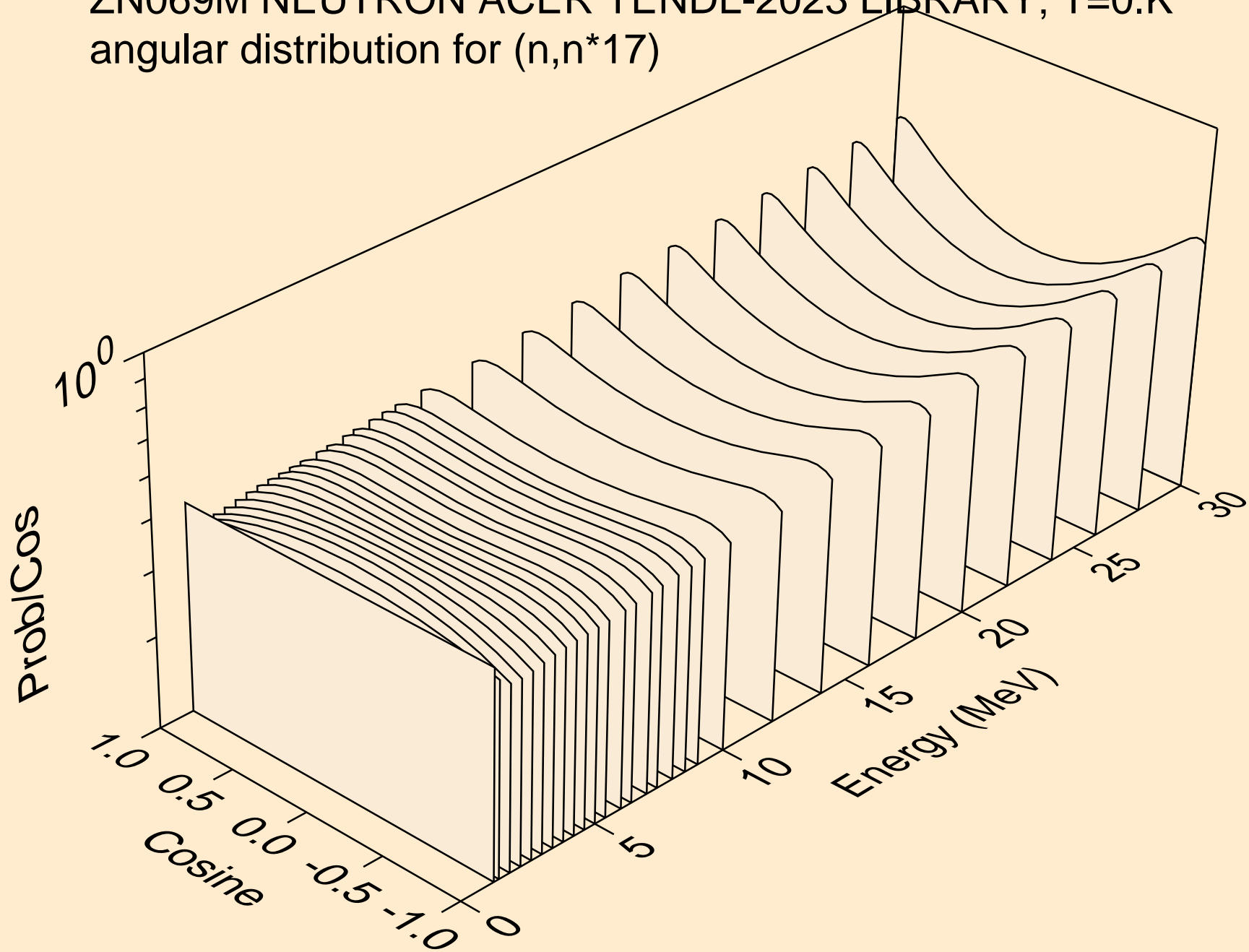
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angular distribution for (n,n\*15)



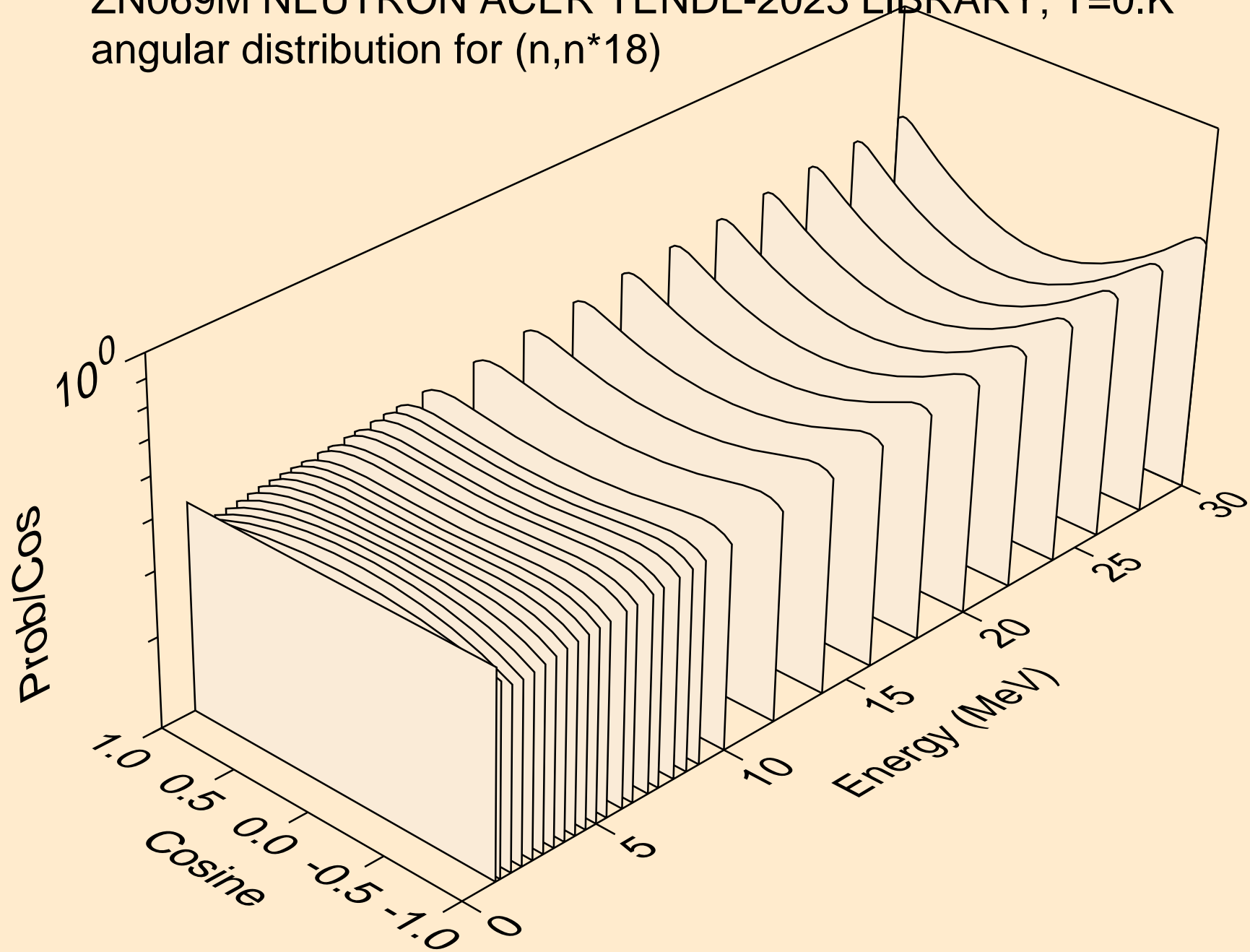
ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*17)

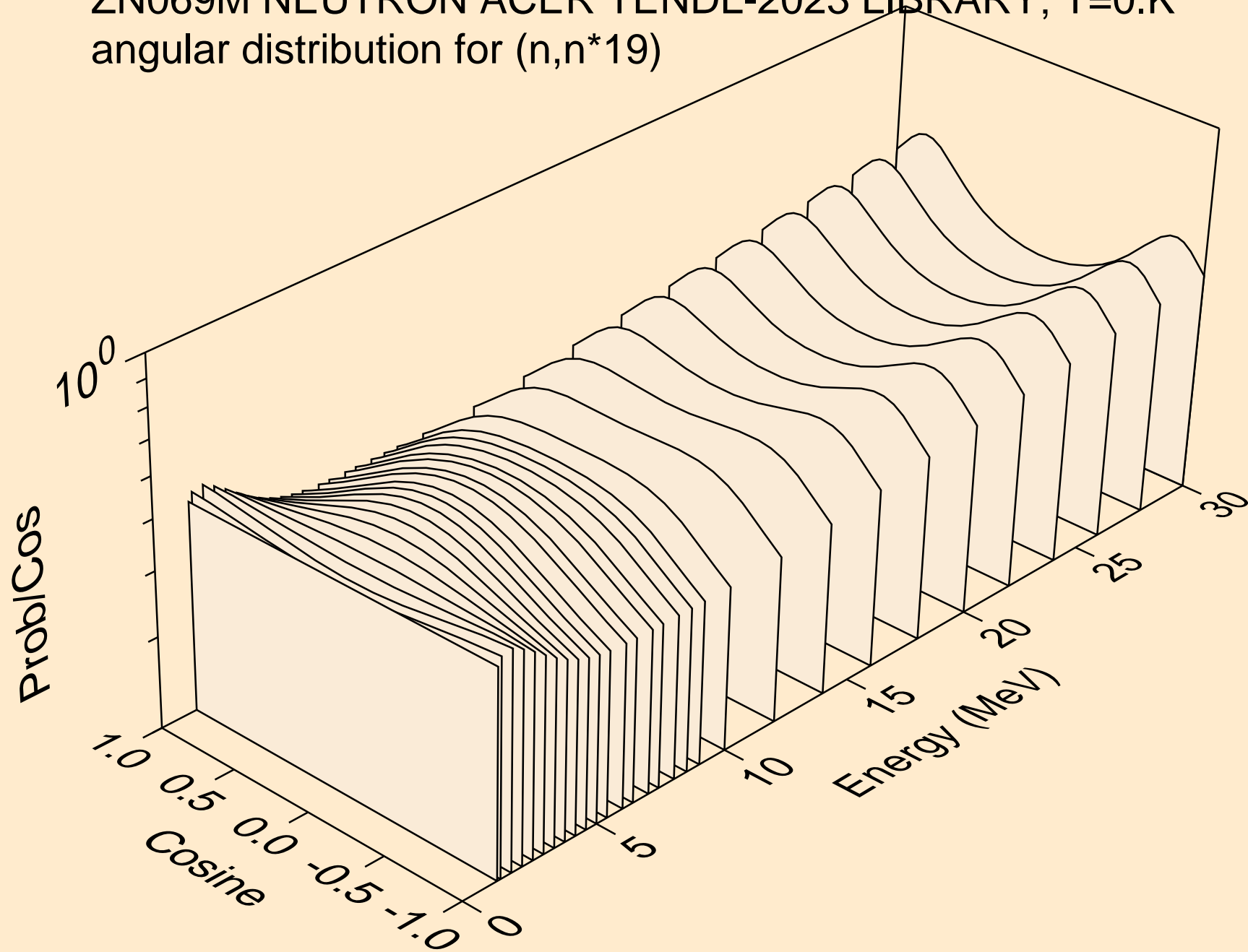


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angular distribution for (n,n\*18)

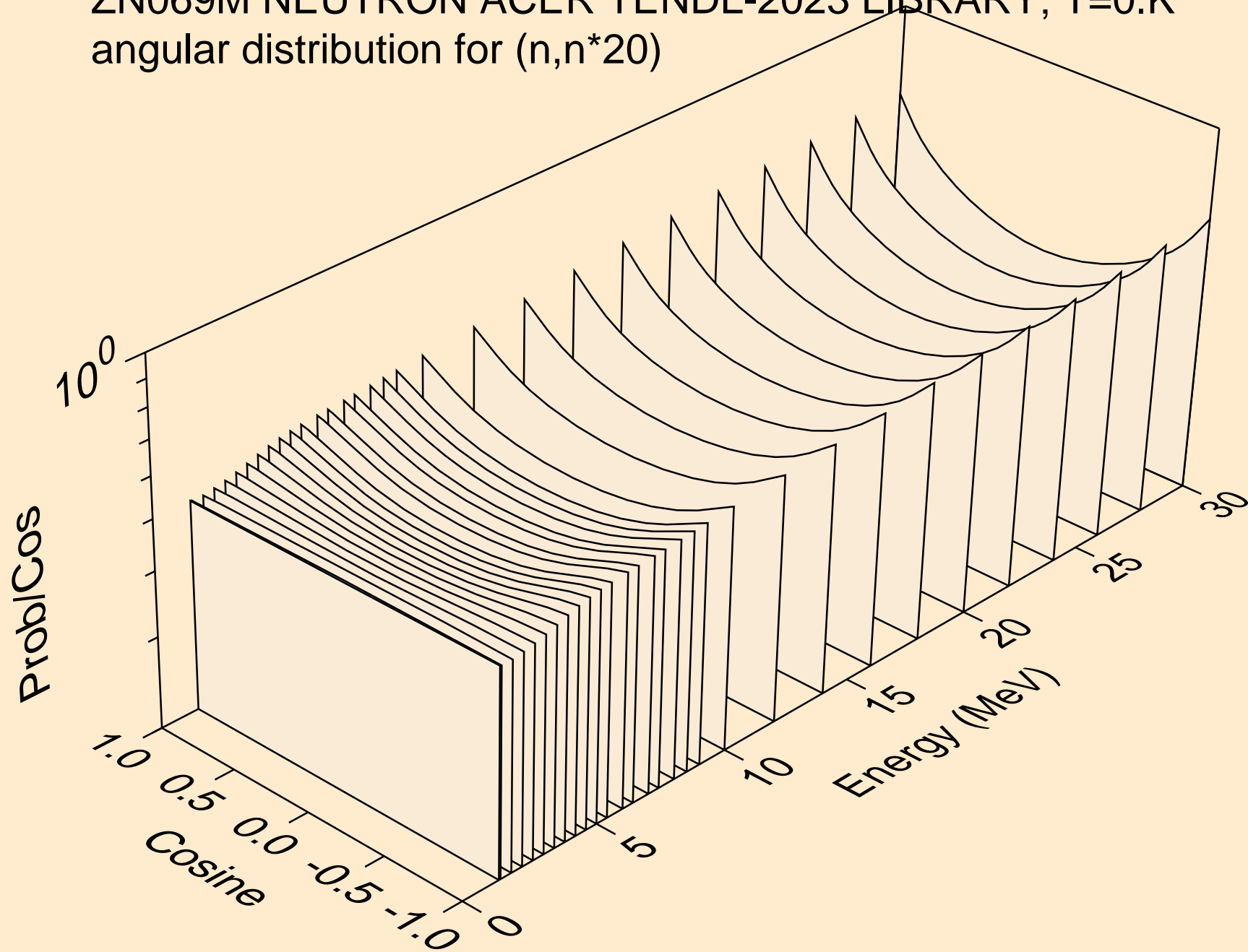




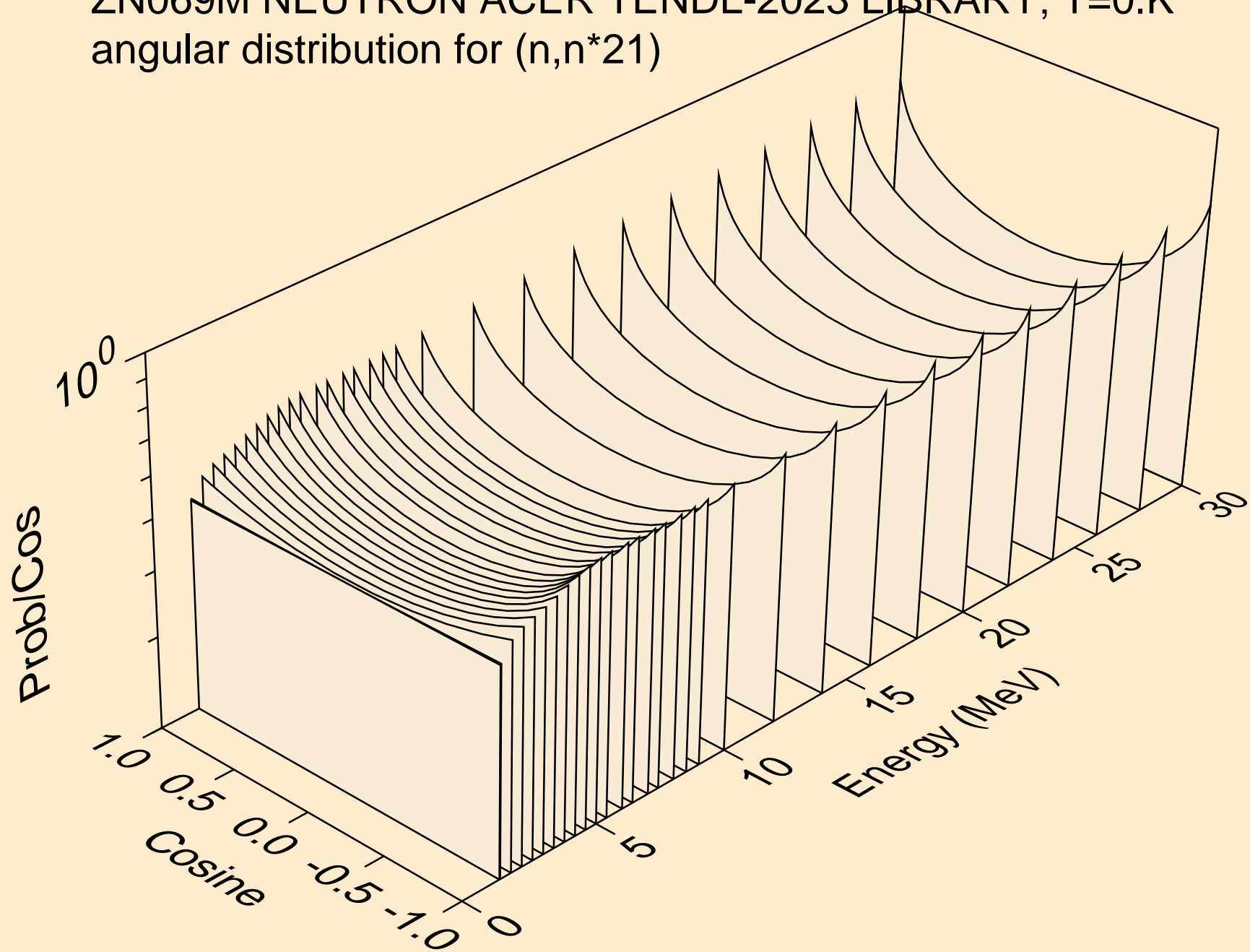
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angular distribution for (n,n\*19)



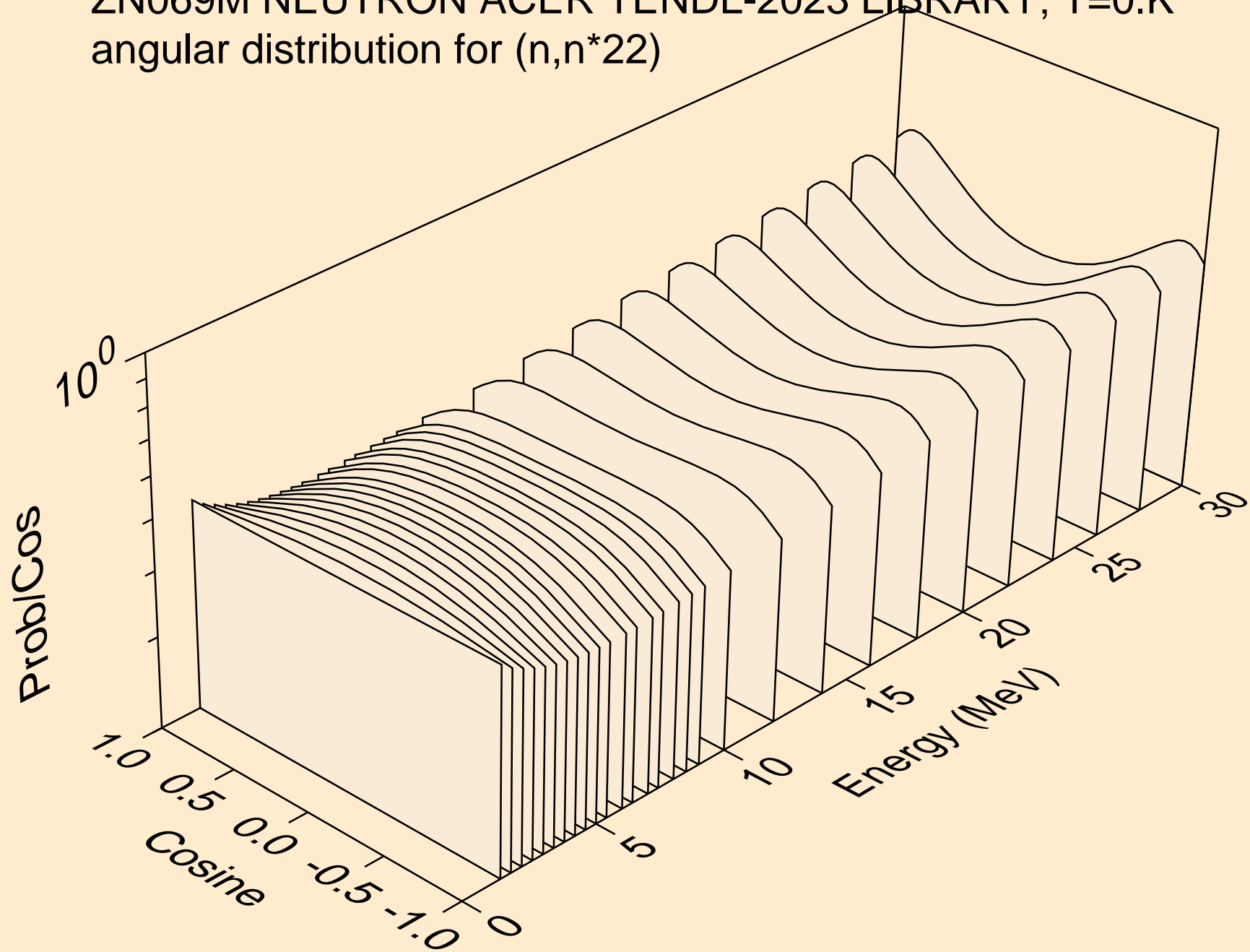
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angular distribution for (n,n\*20)



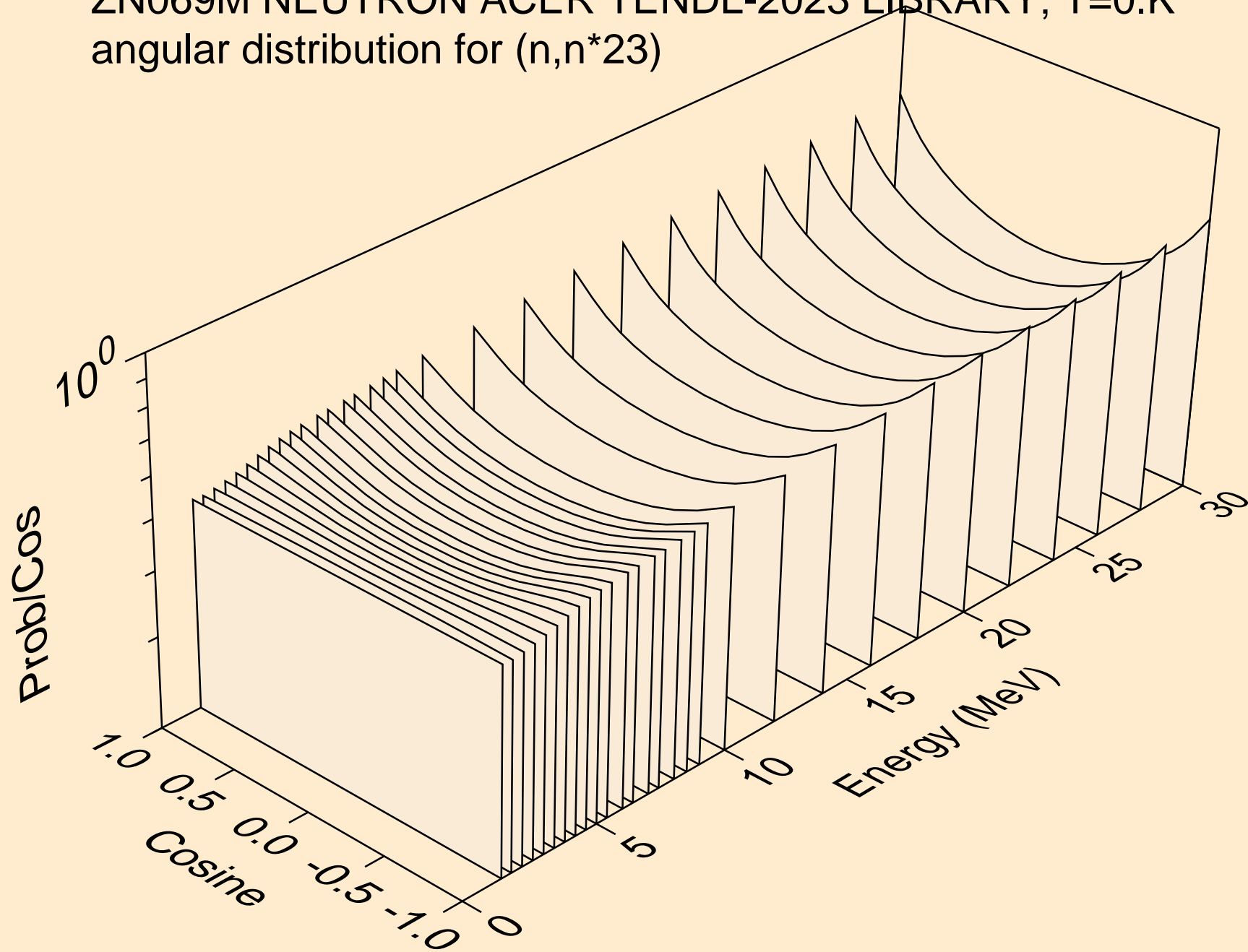
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angular distribution for (n,n\*21)



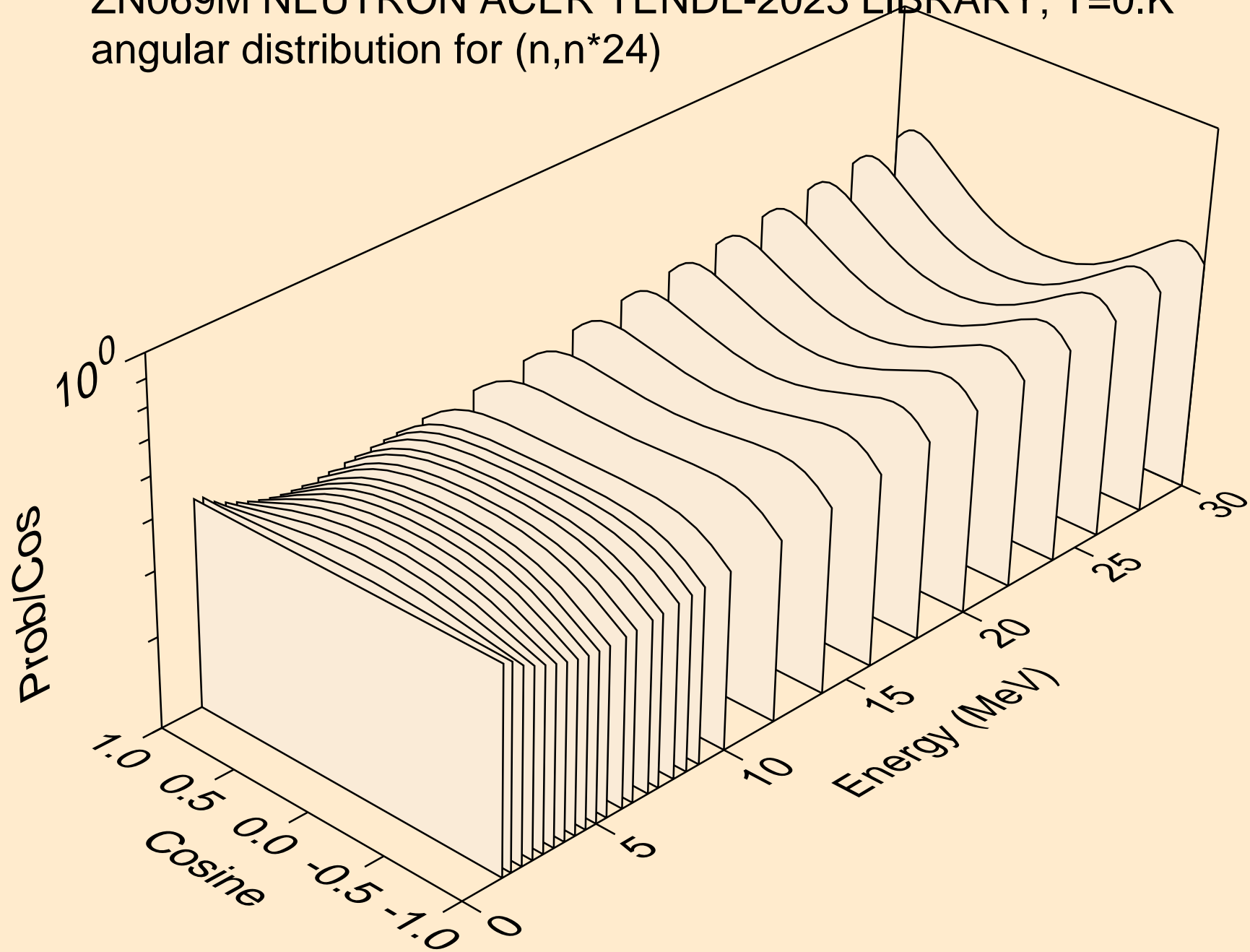
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angular distribution for (n,n\*22)



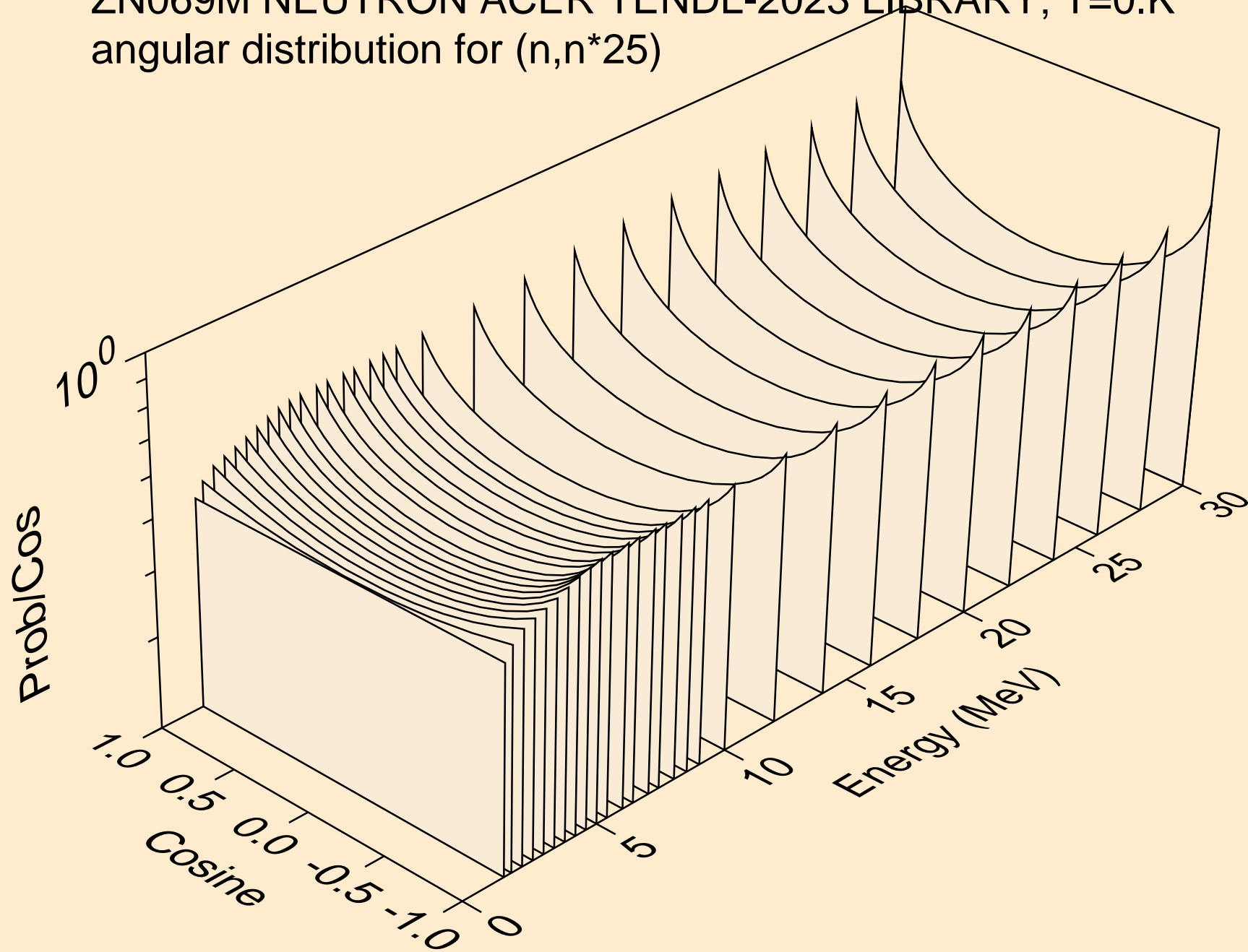
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angular distribution for (n,n\*23)



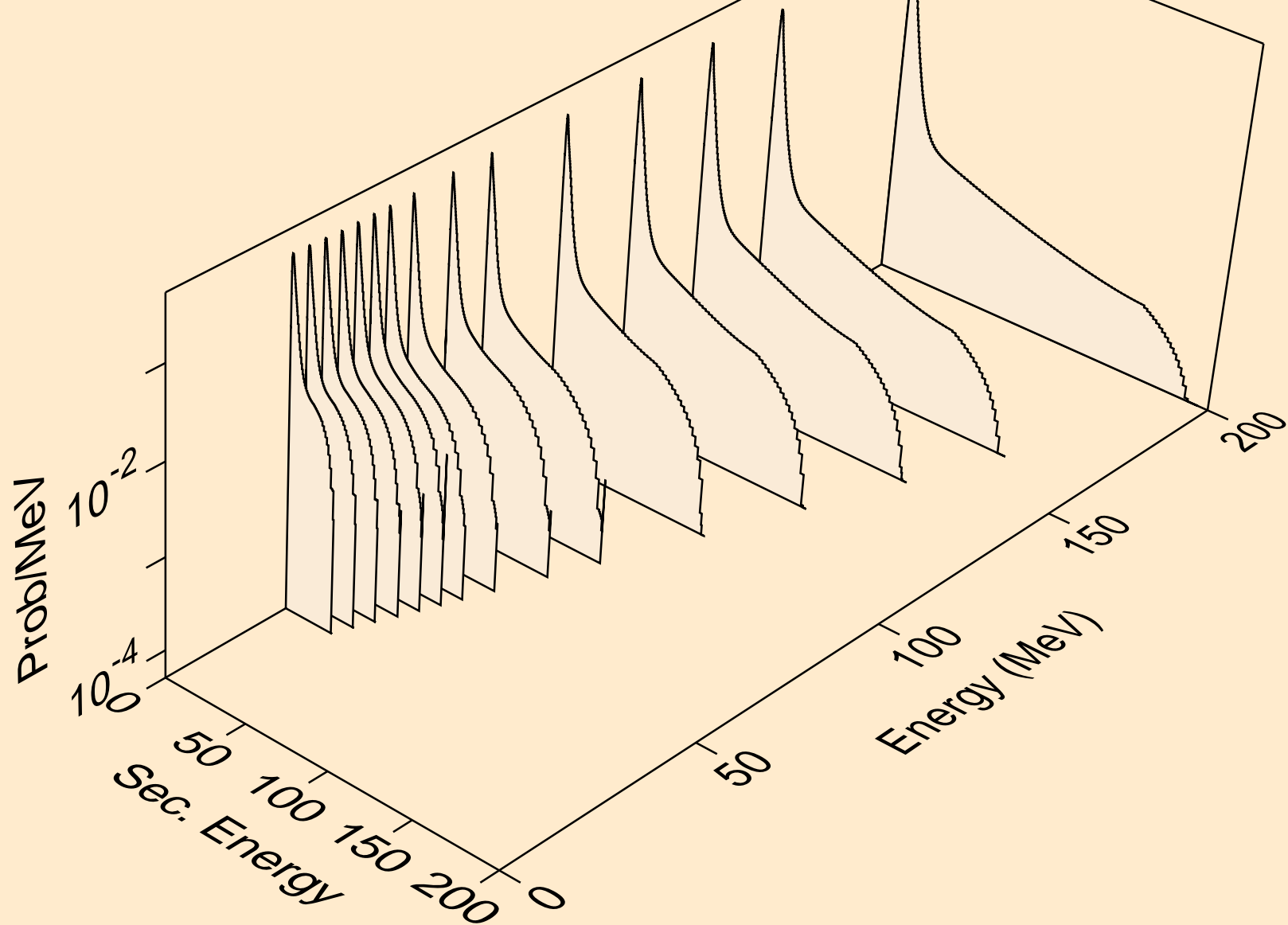
ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*24)



ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*25)

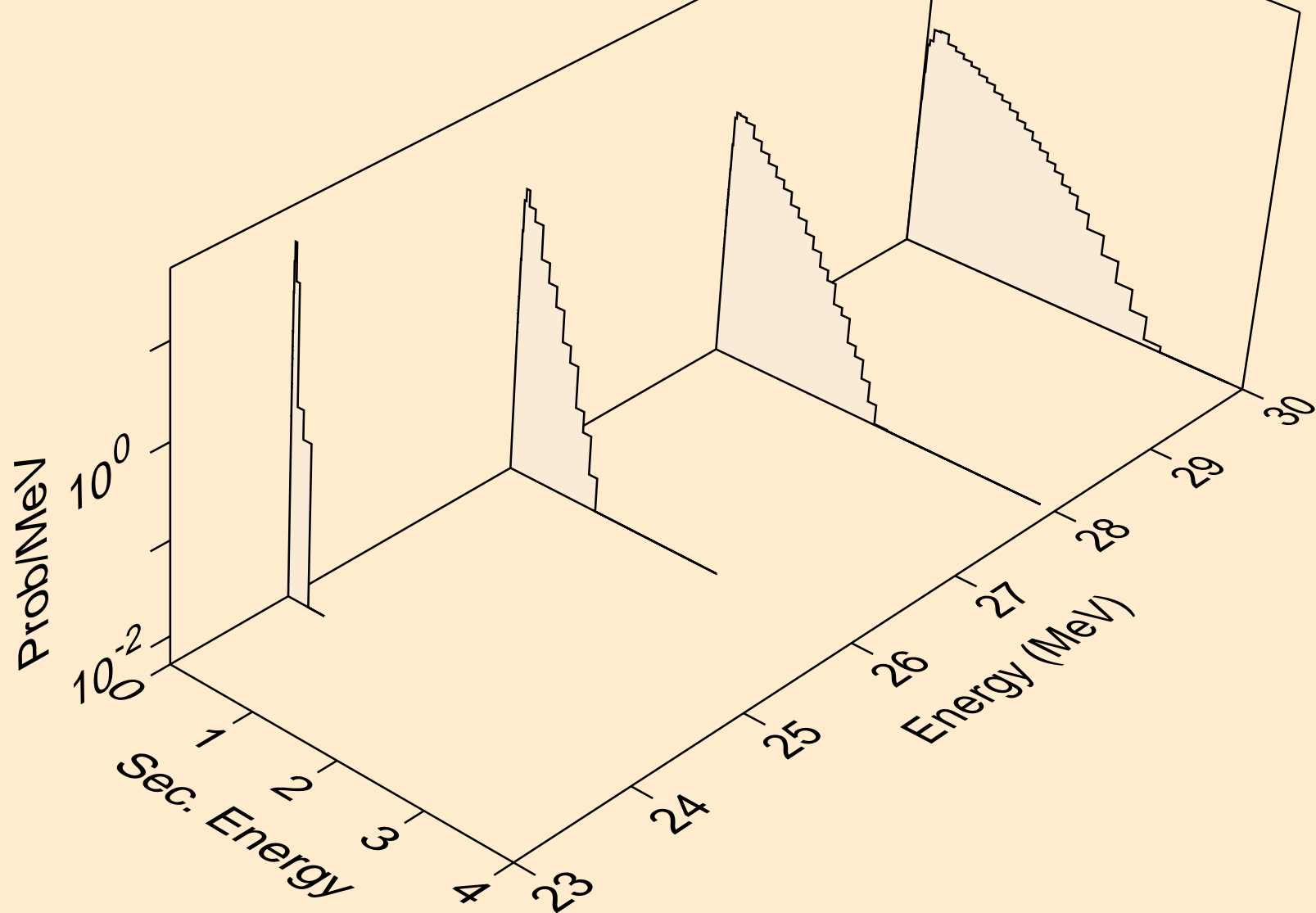


ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)

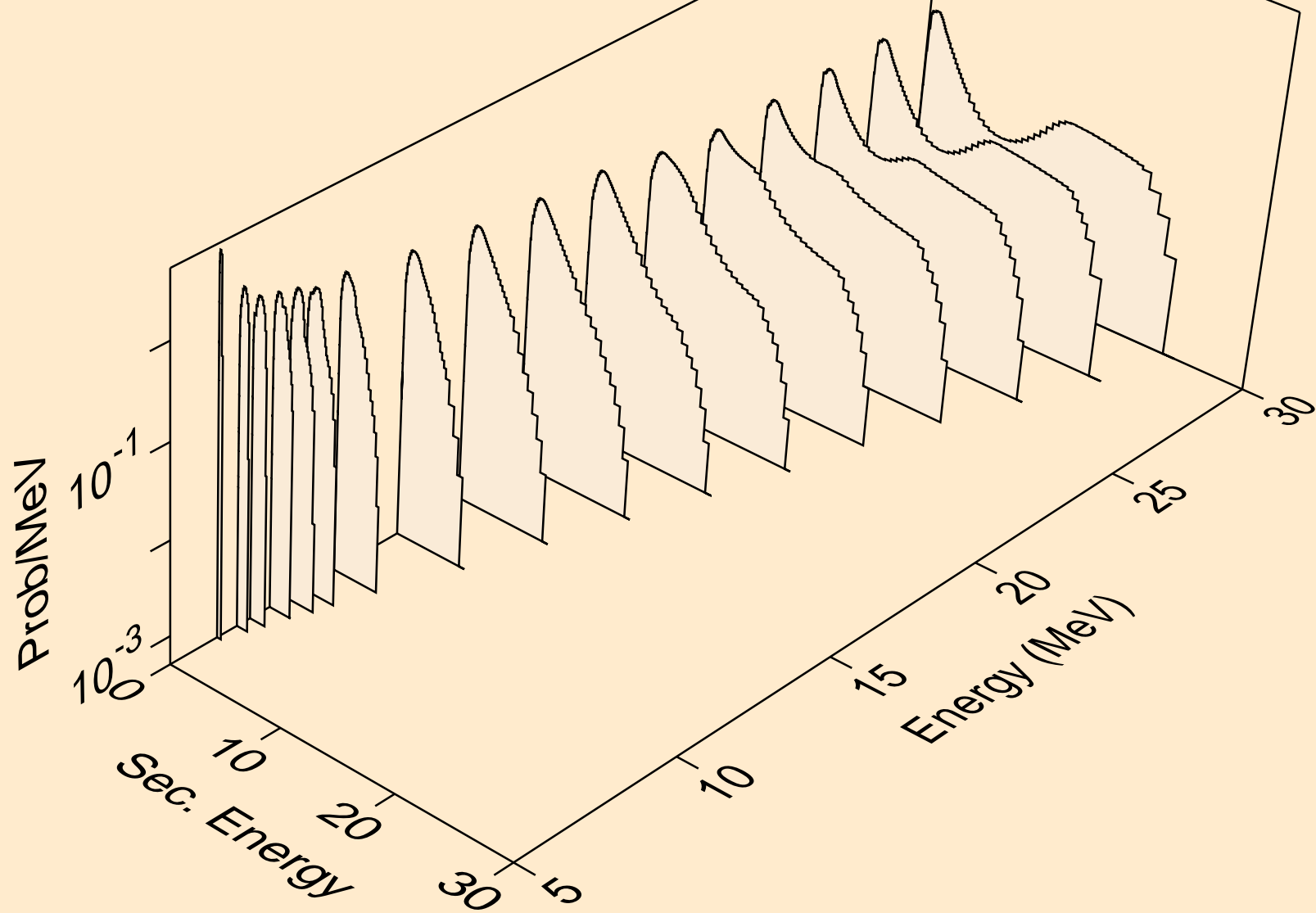




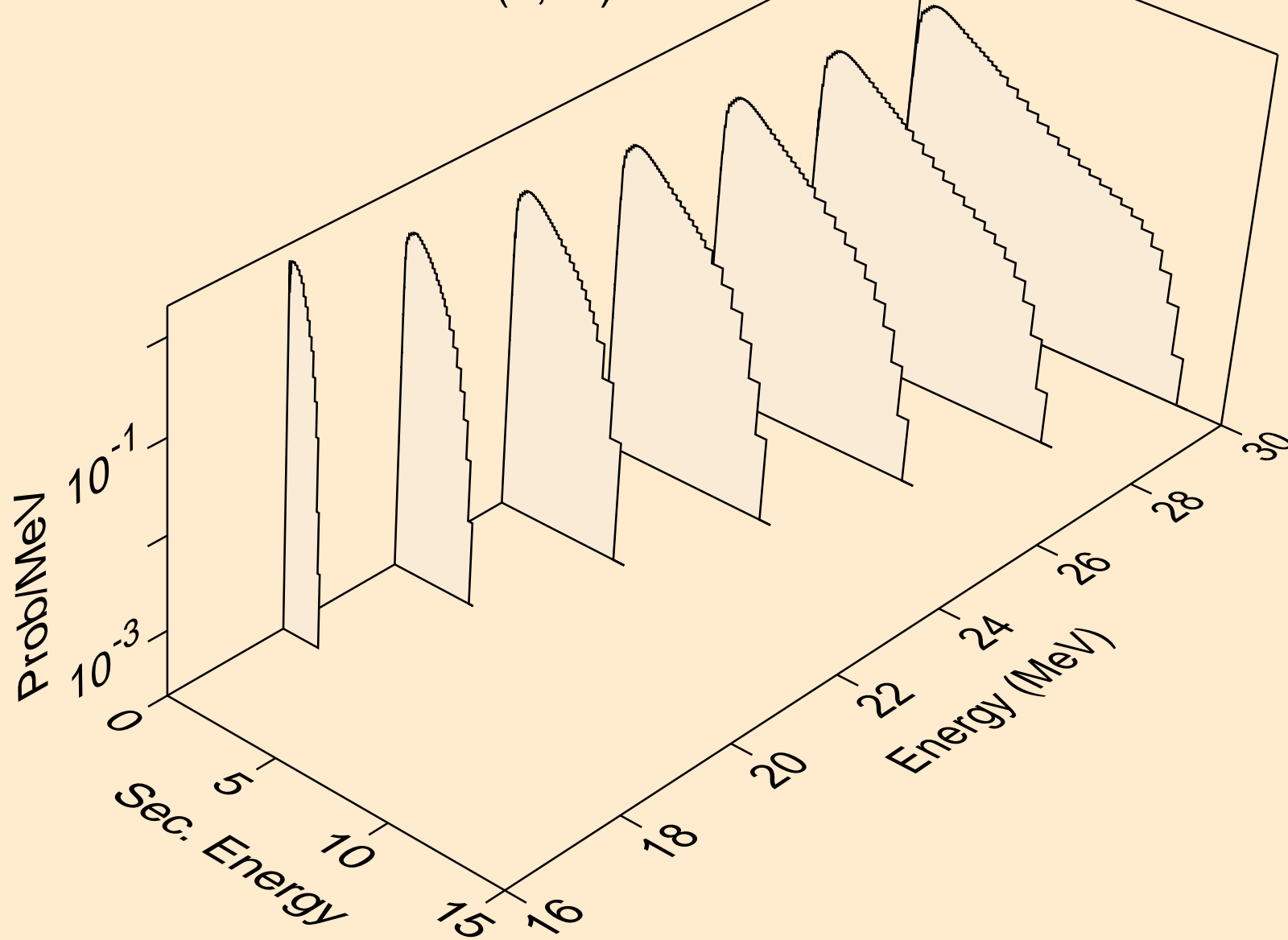
ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



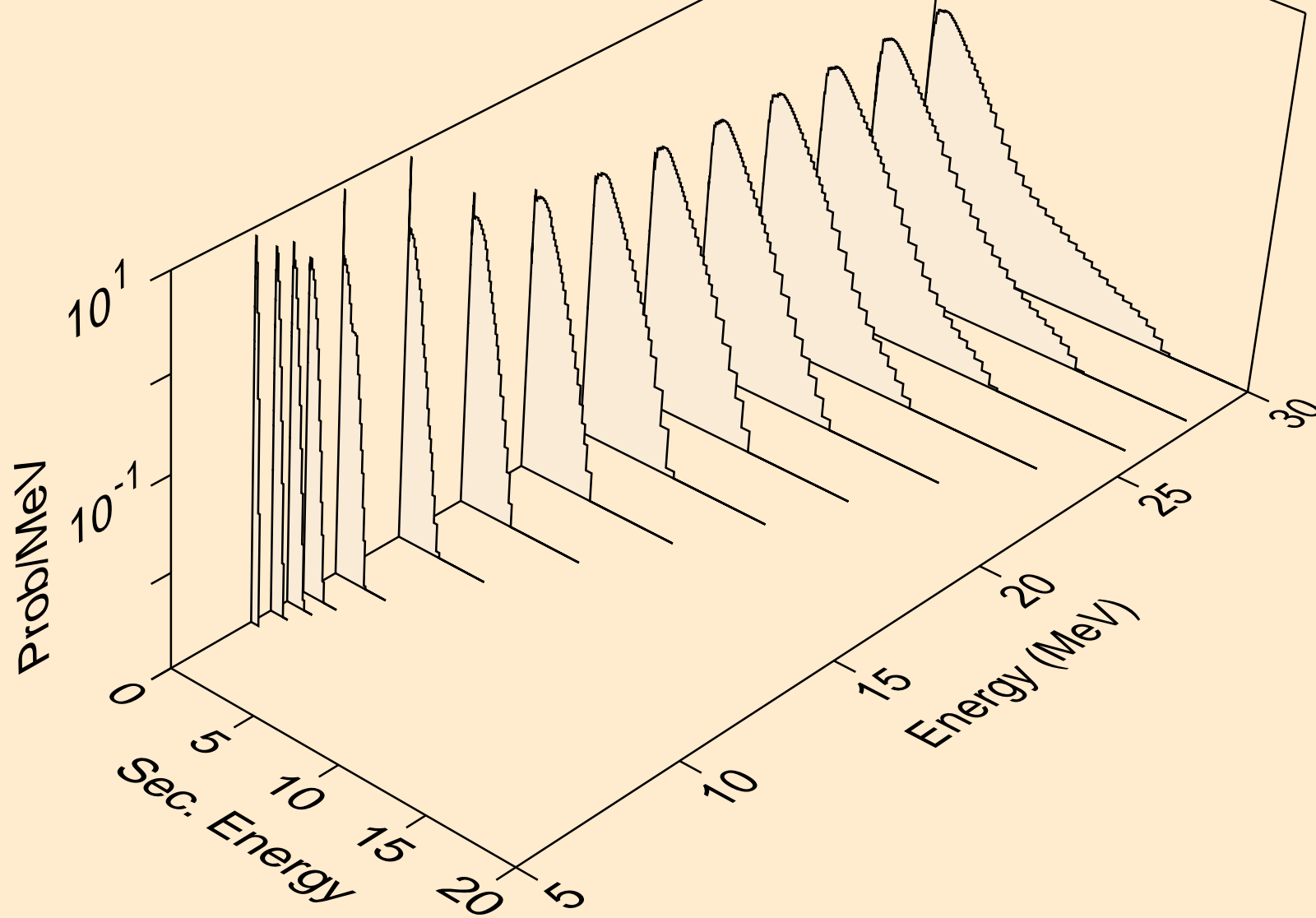
ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



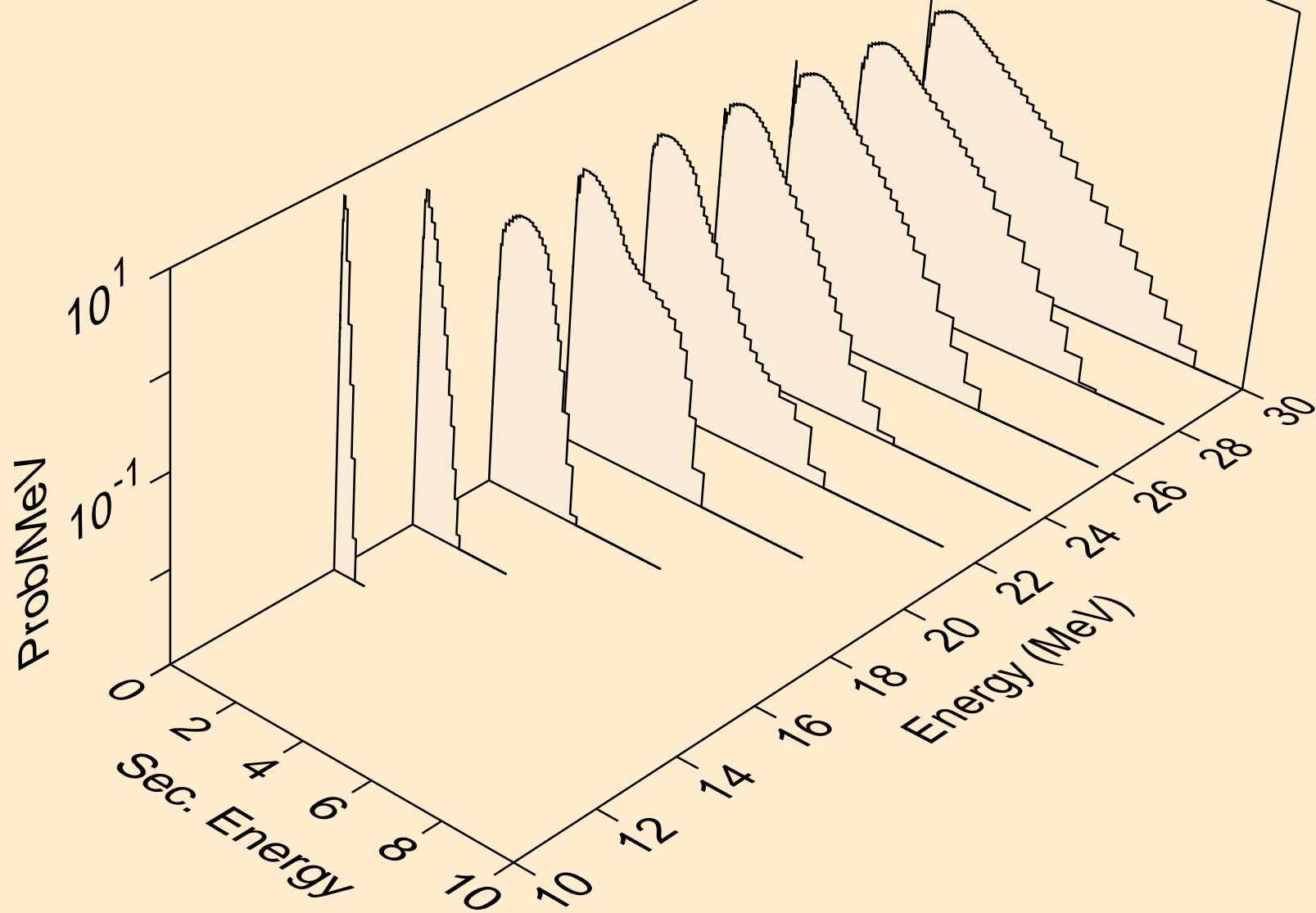
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Neutron emission for (n,3n)



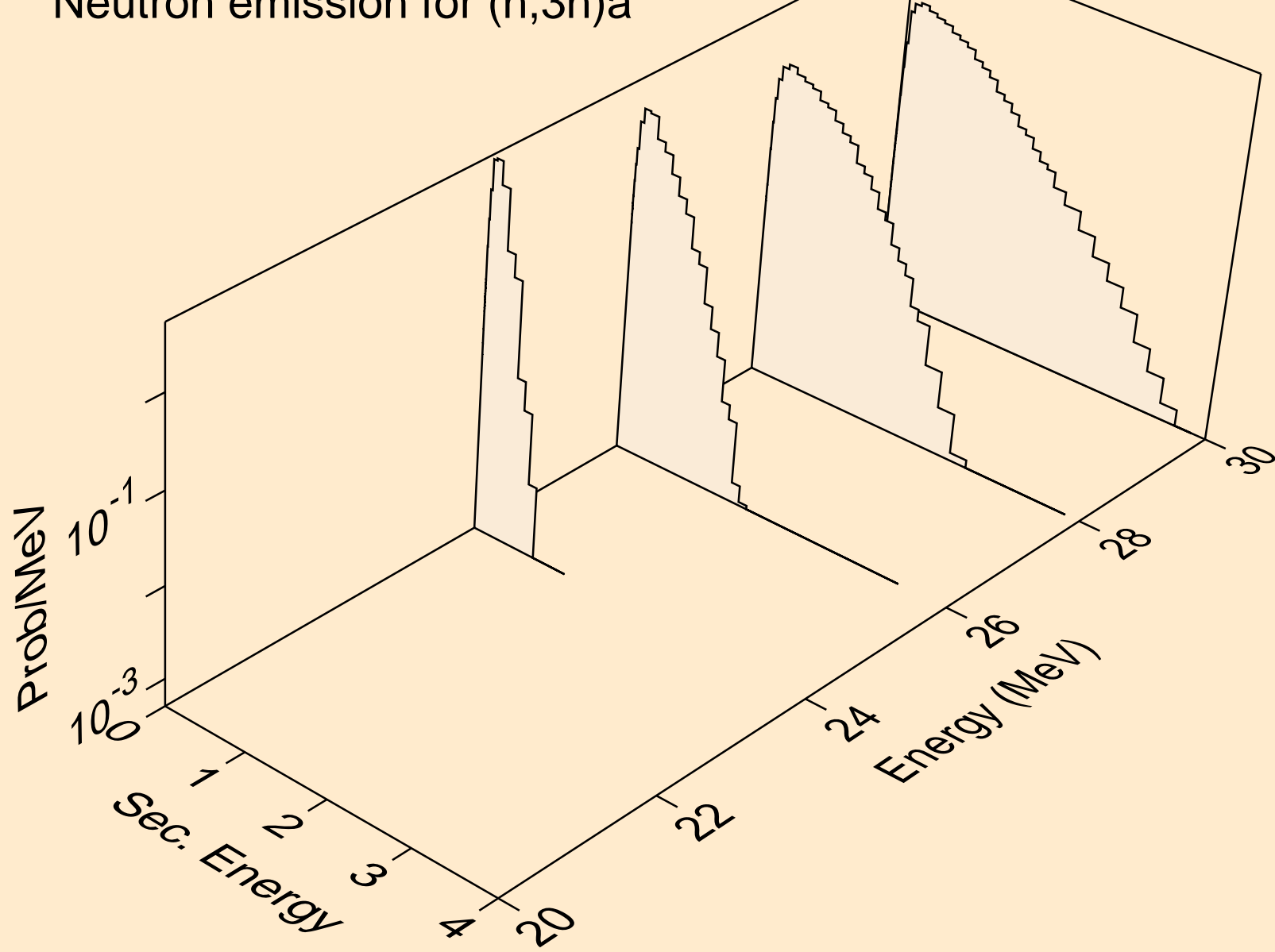
ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



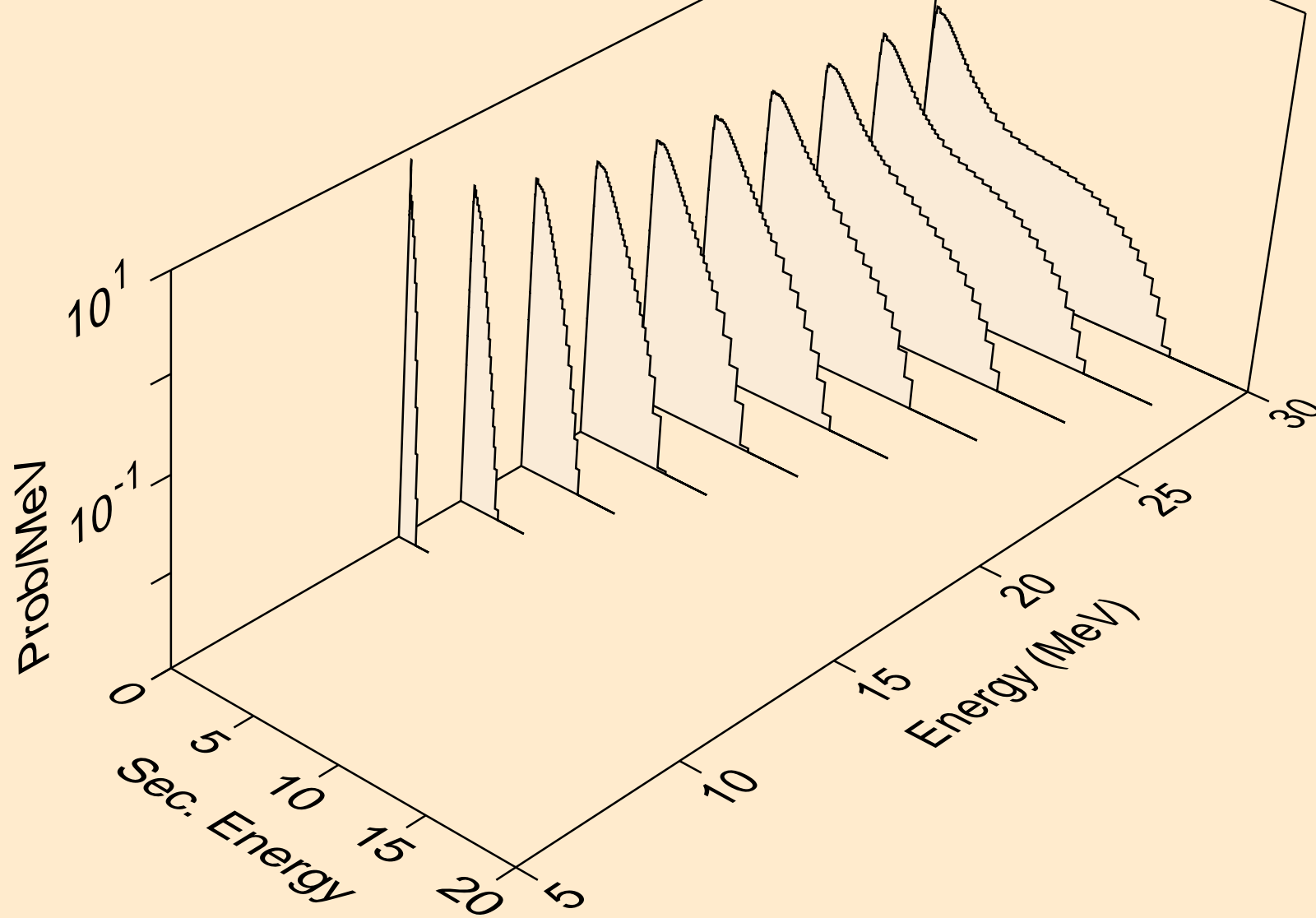
ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



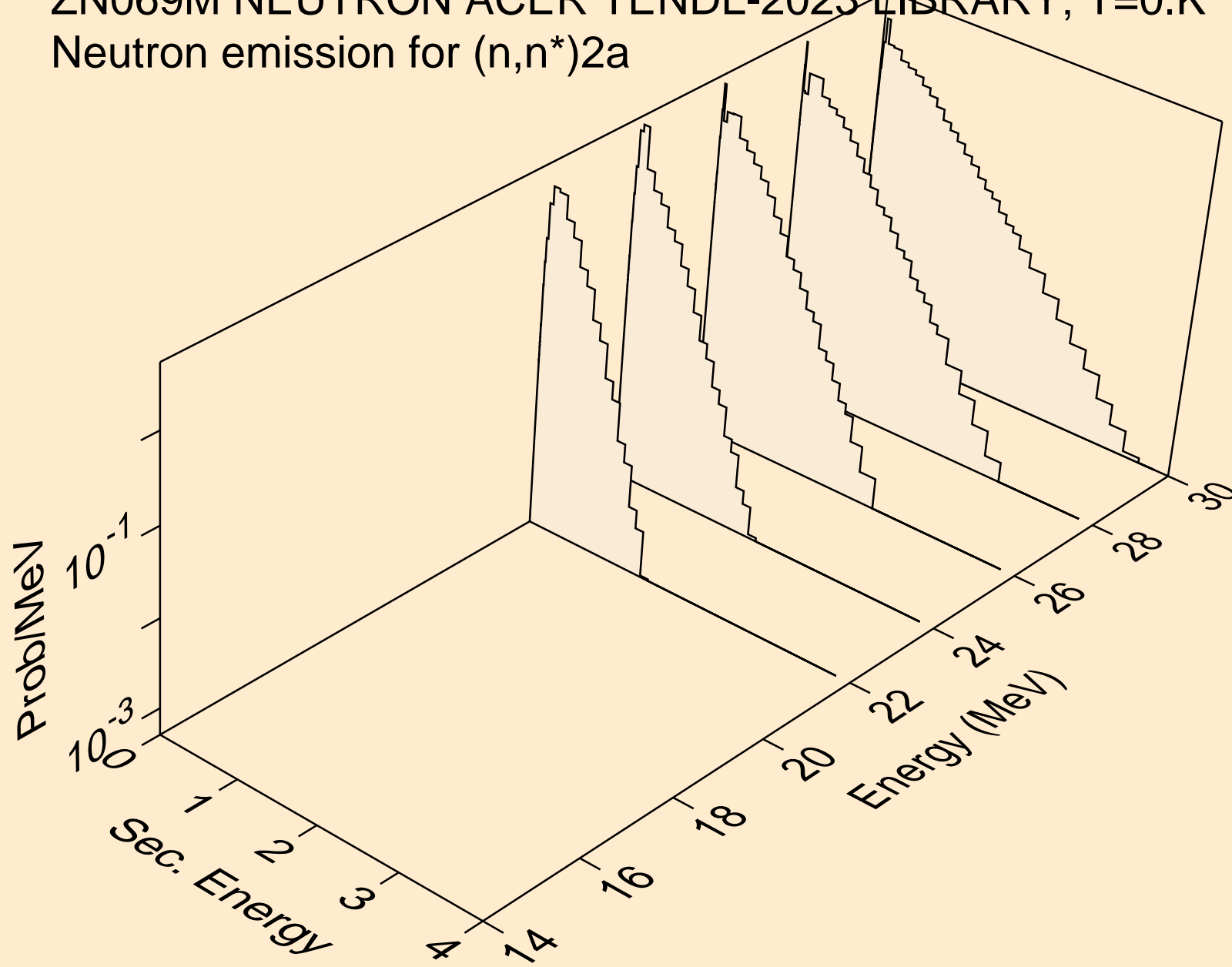
ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

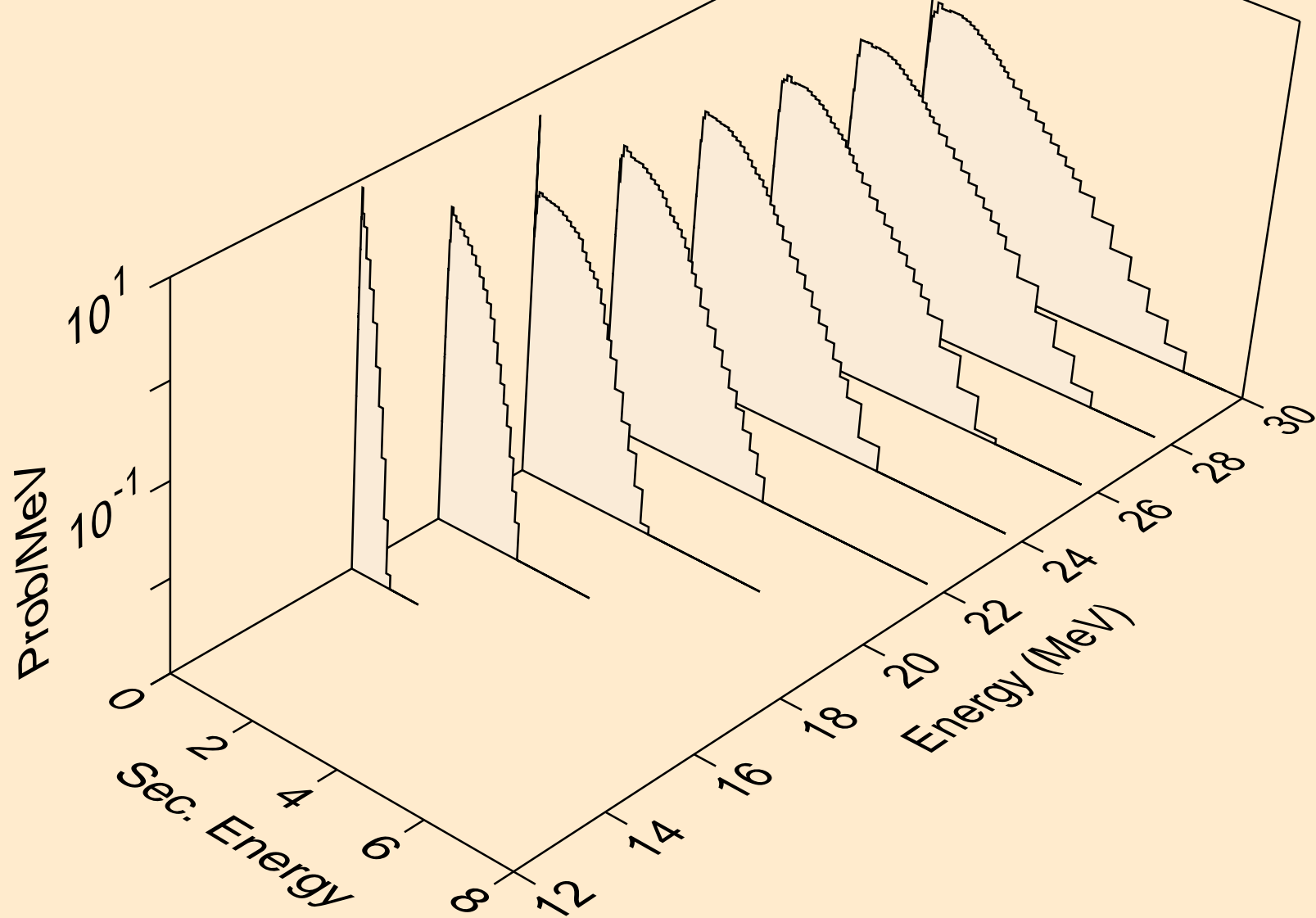


ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a

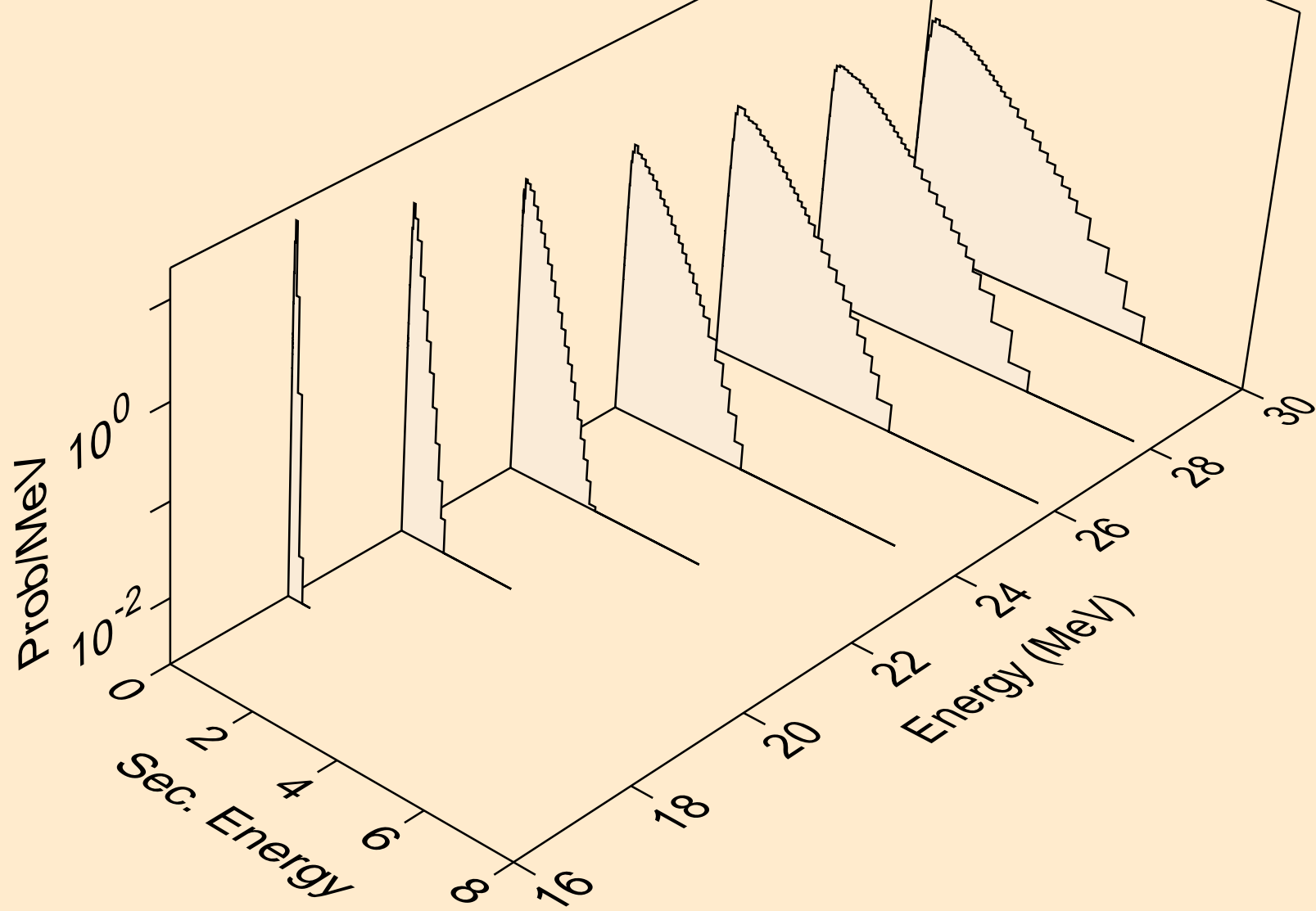




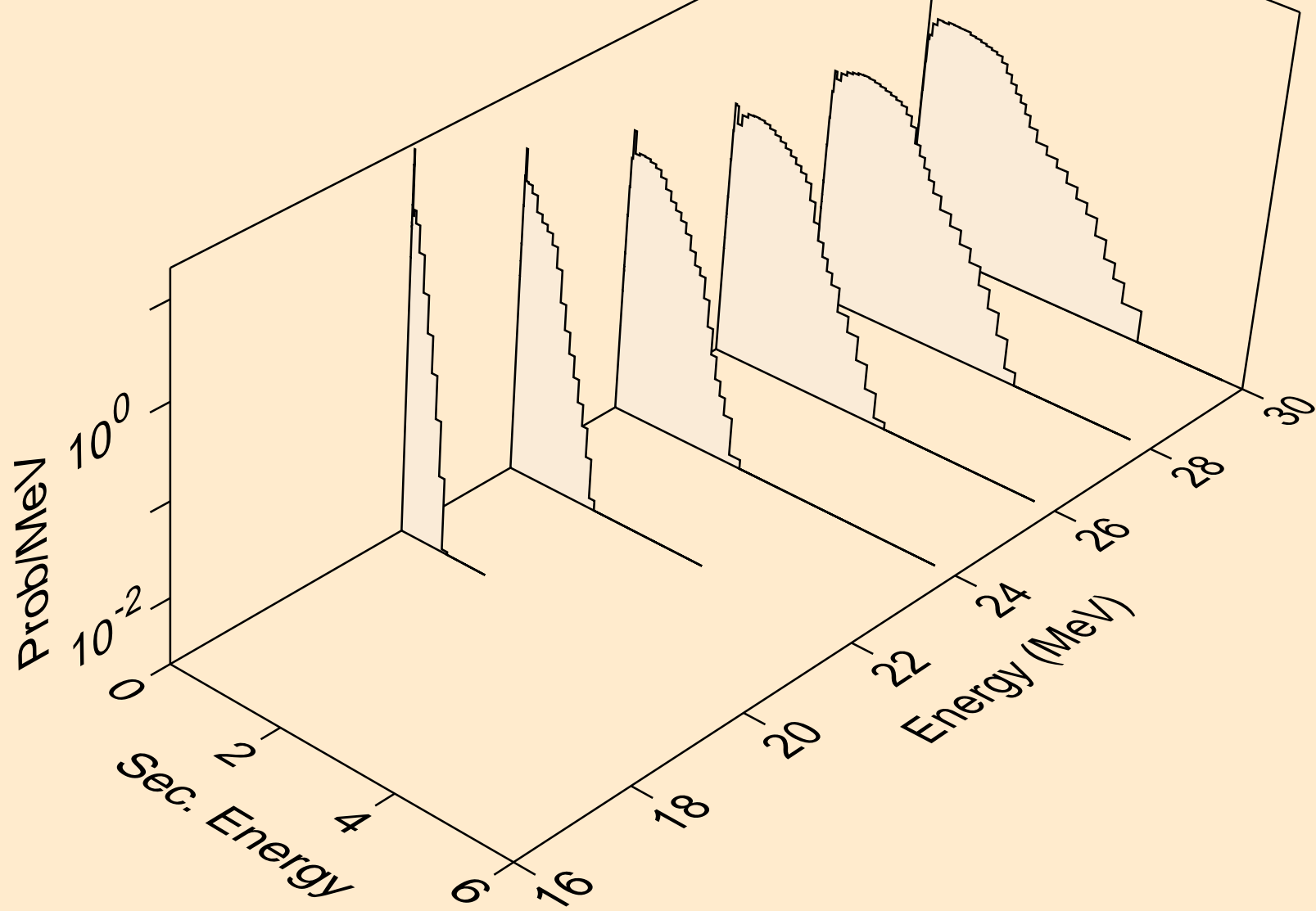
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Neutron emission for (n,n\*)d



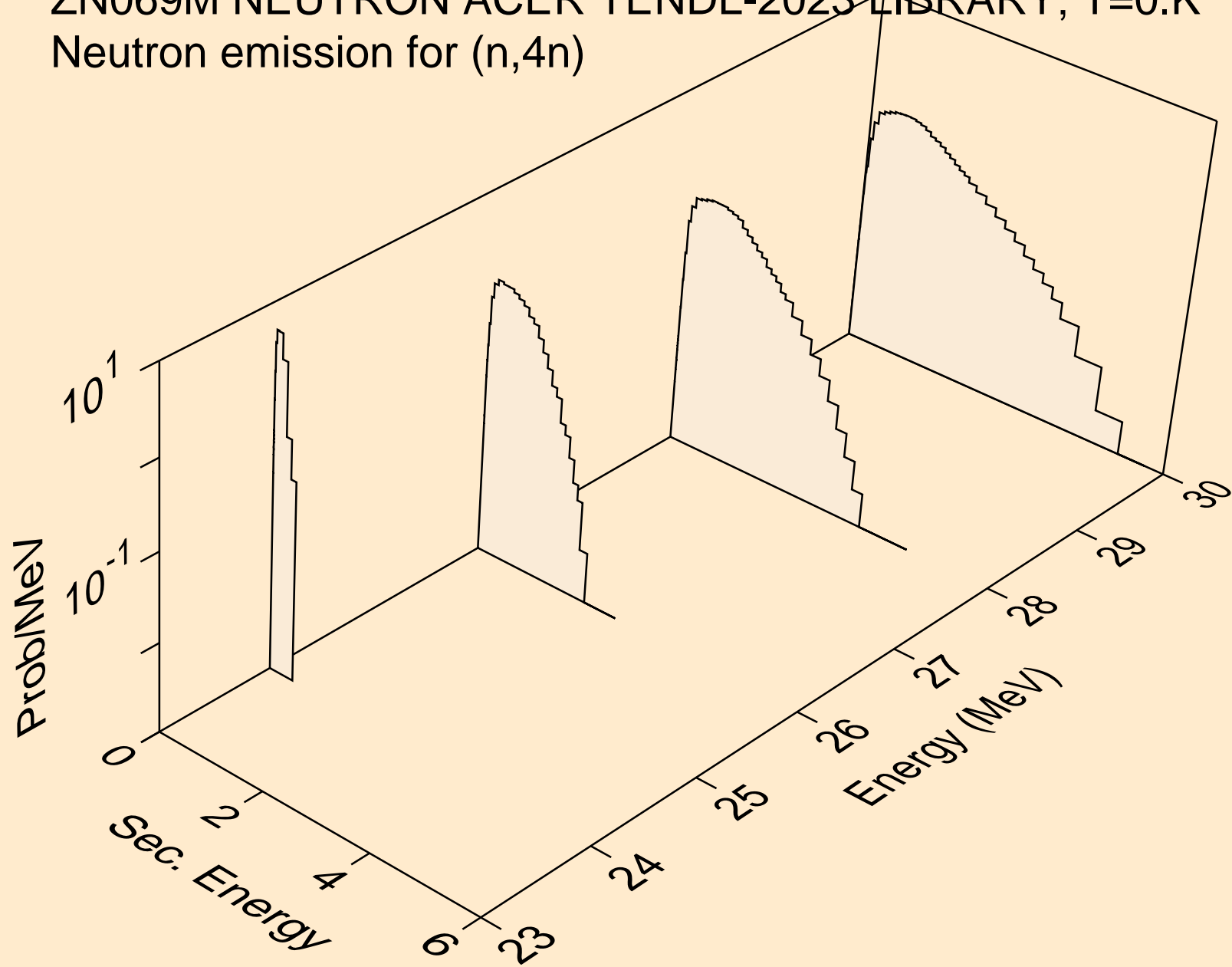
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Neutron emission for (n,n\*)t



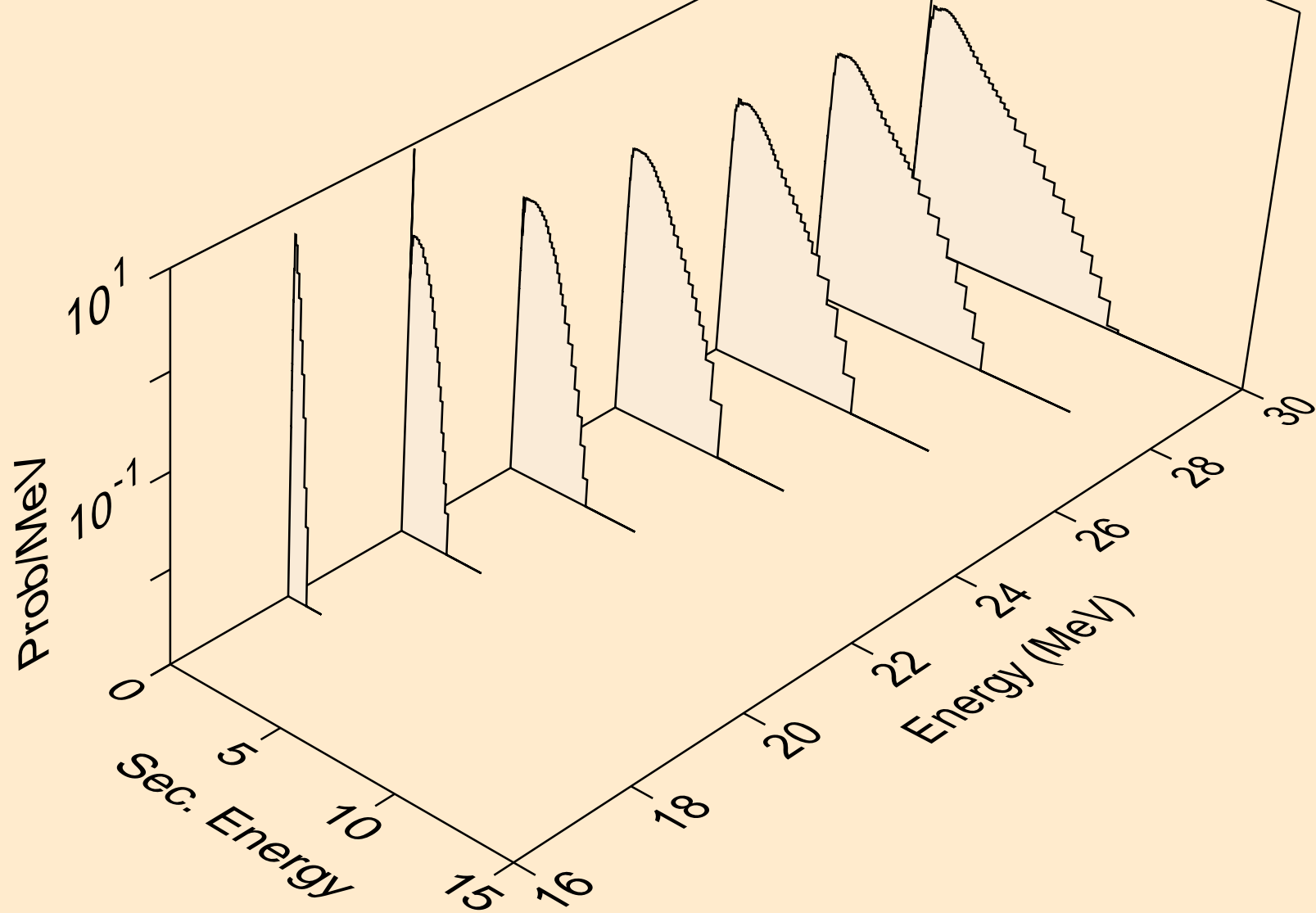
ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



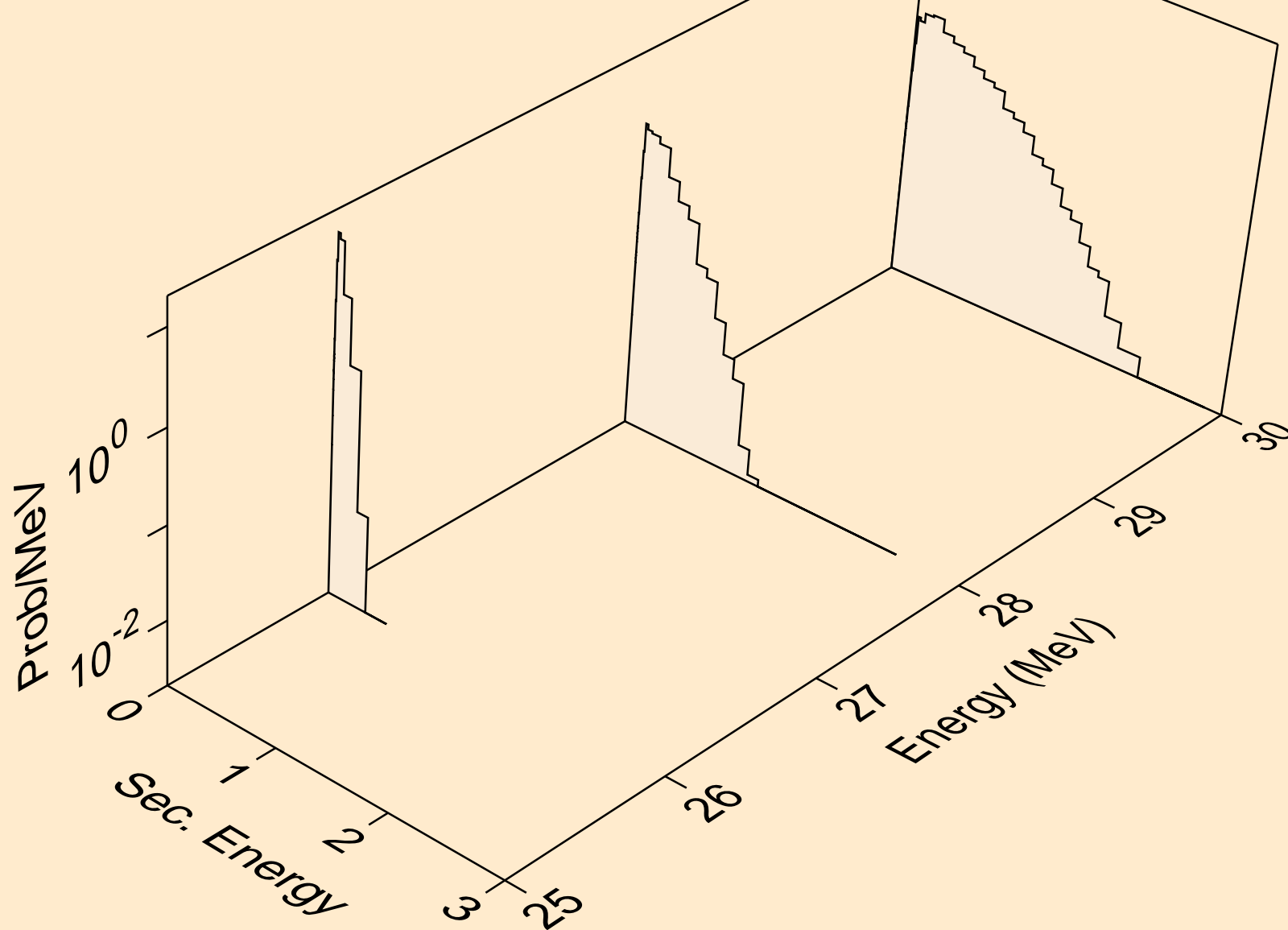
ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



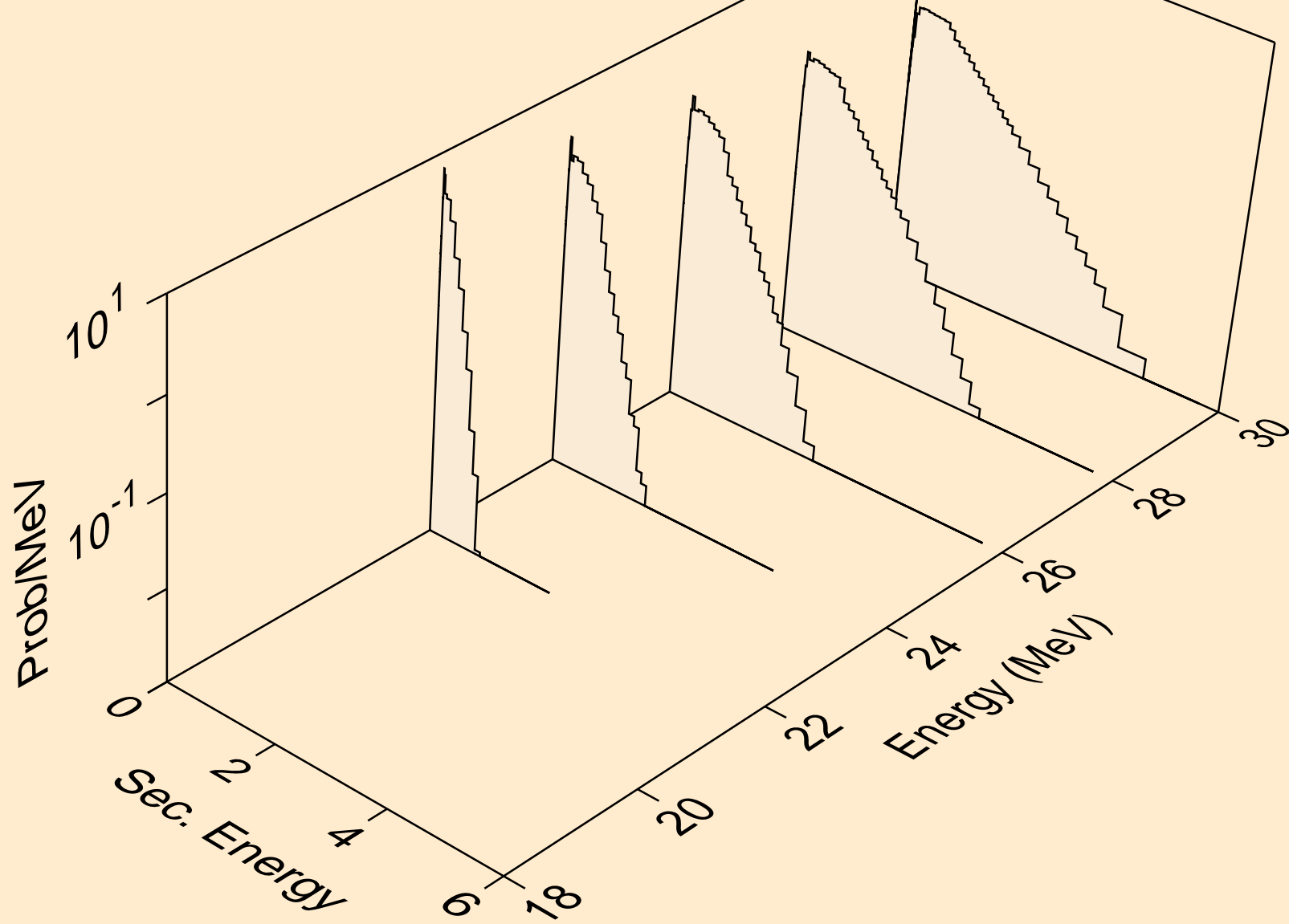
ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



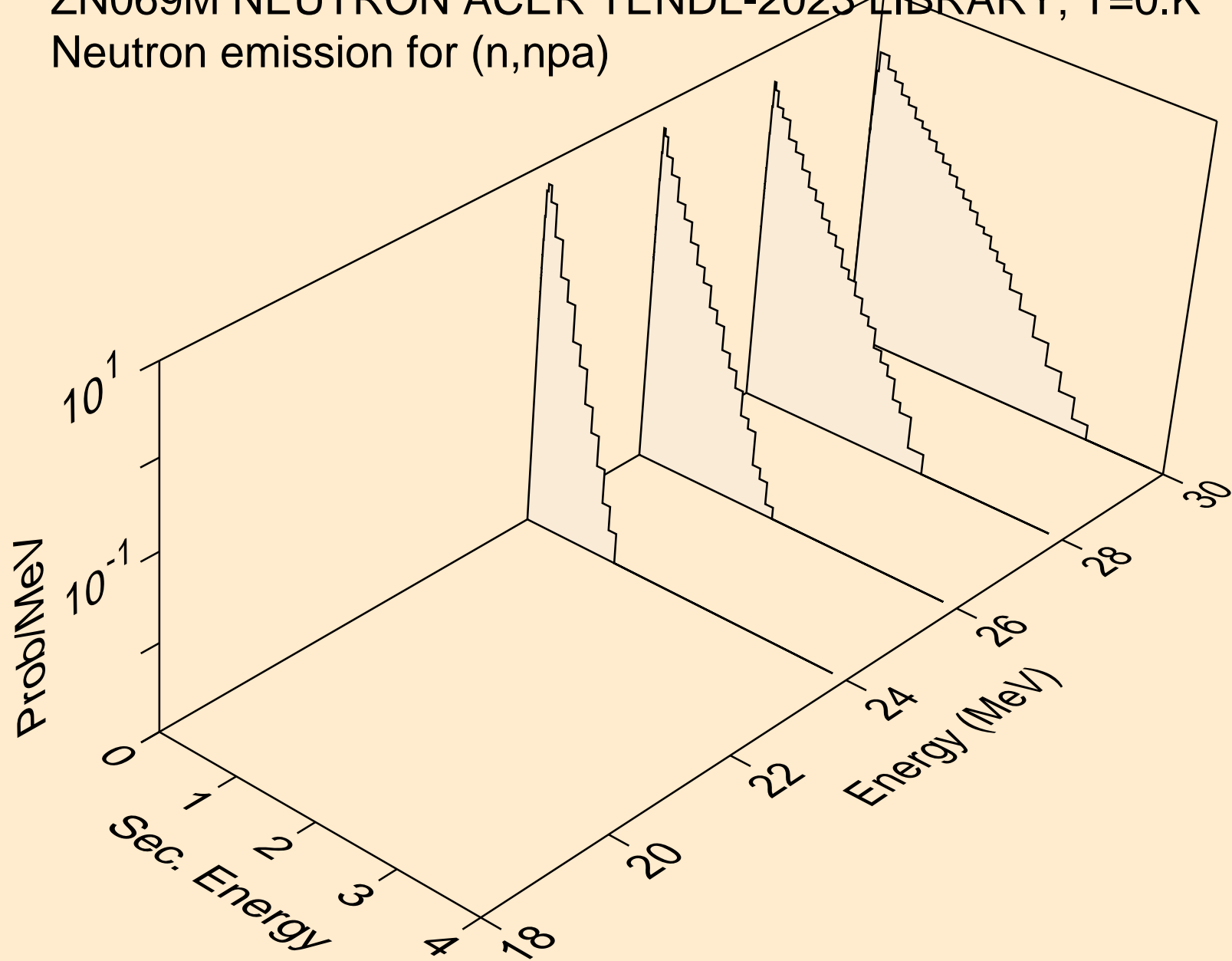
ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)

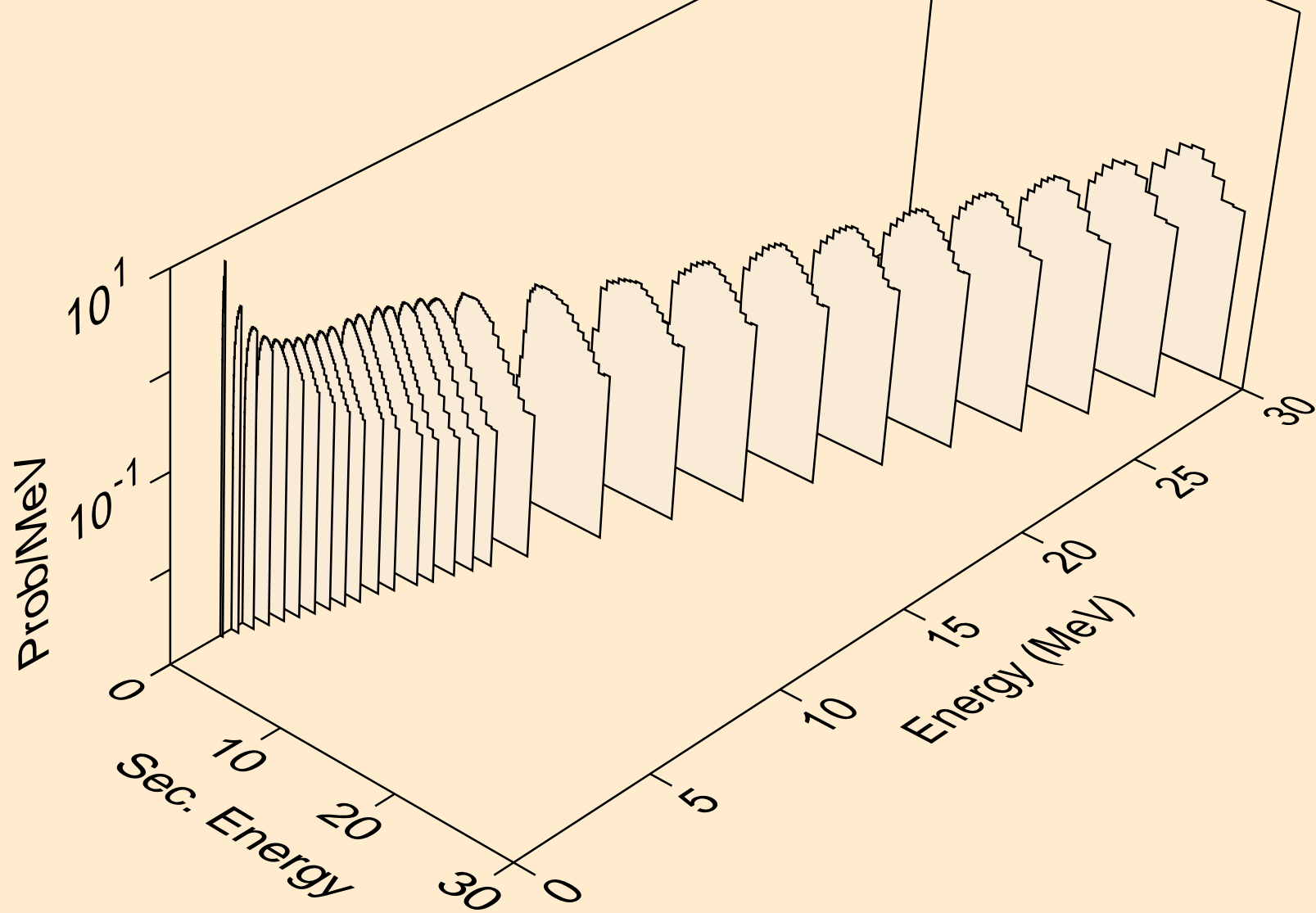


ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)

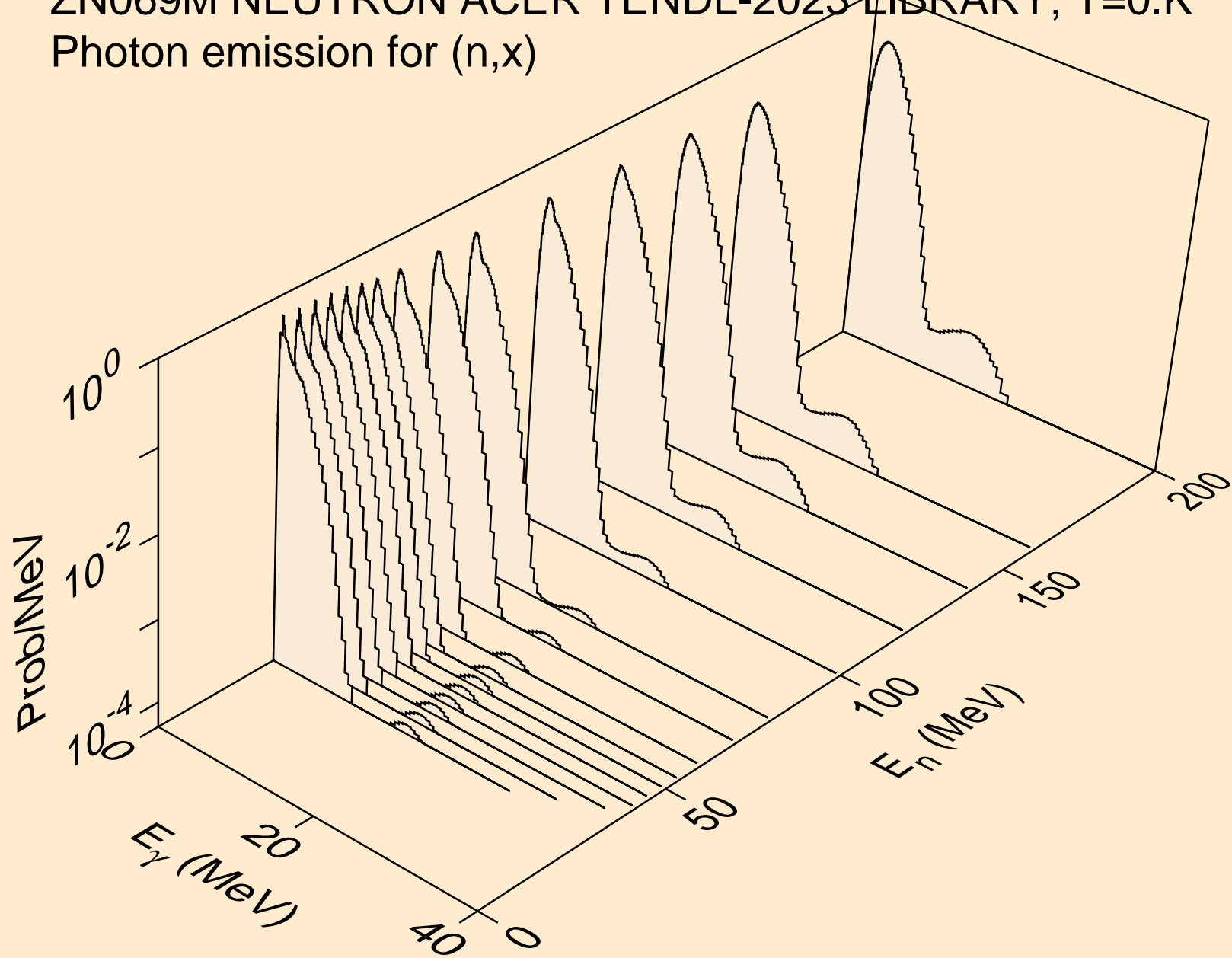




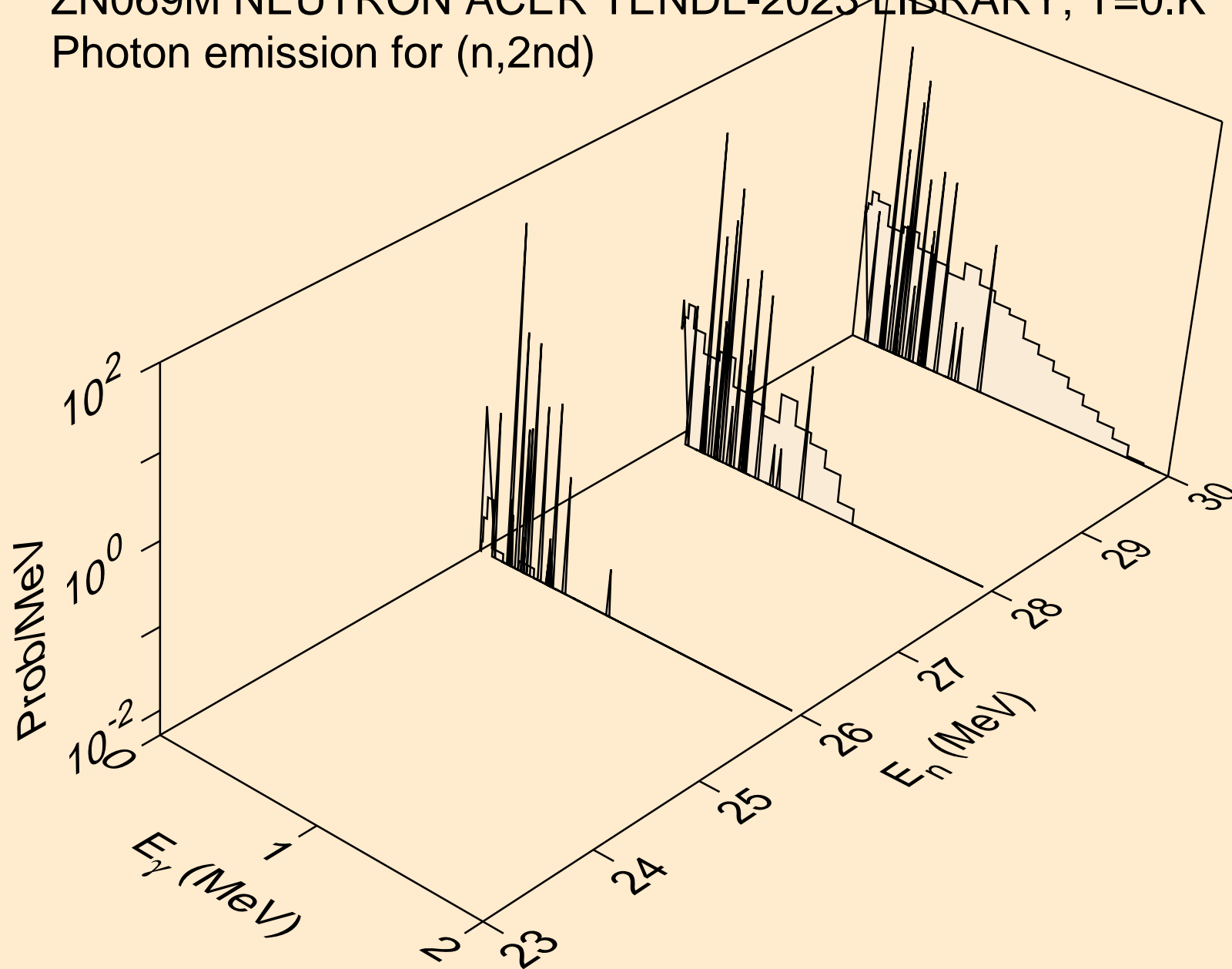
ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



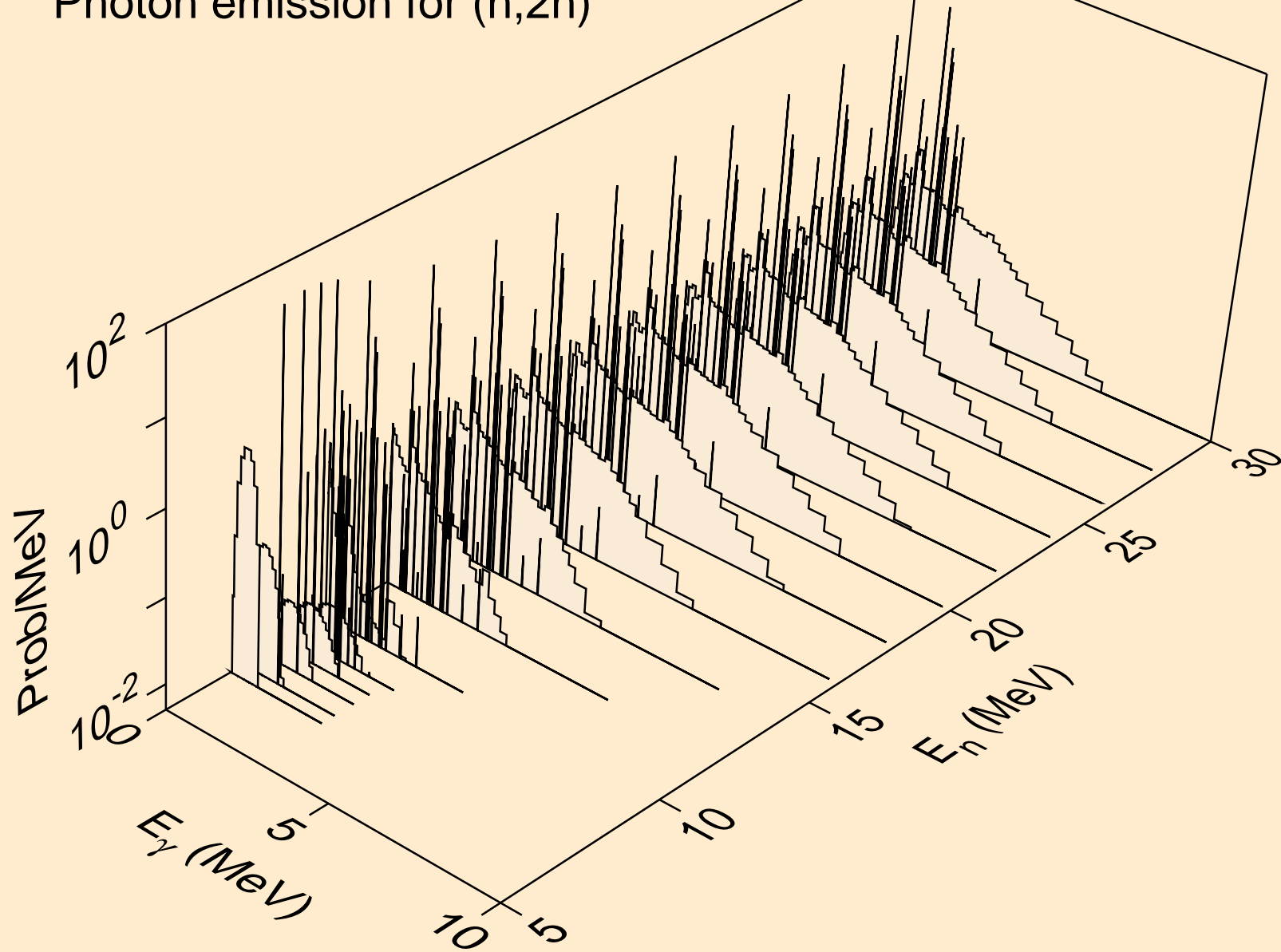
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Photon emission for (n,x)



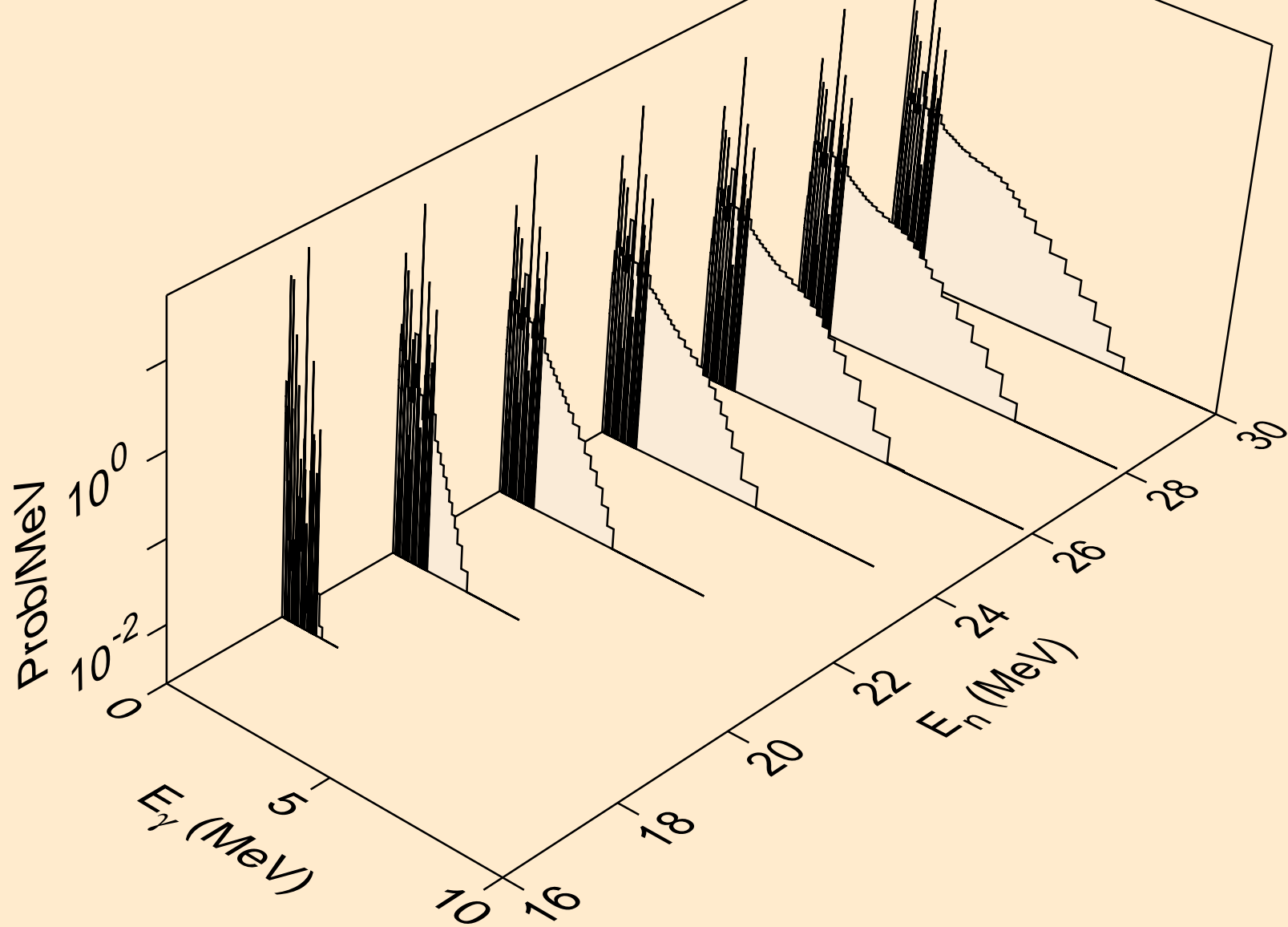
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Photon emission for (n,2nd)



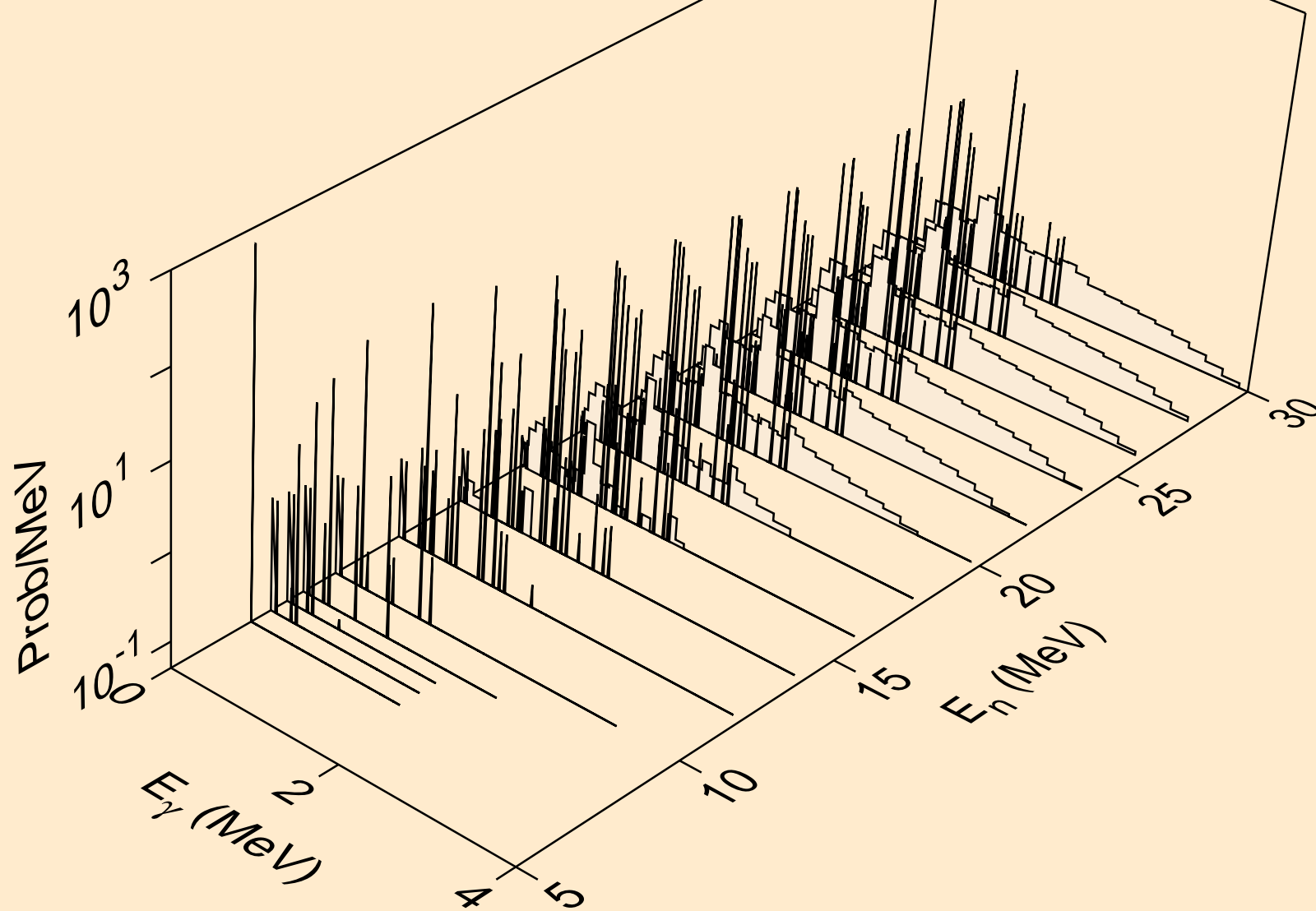
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Photon emission for (n,2n)



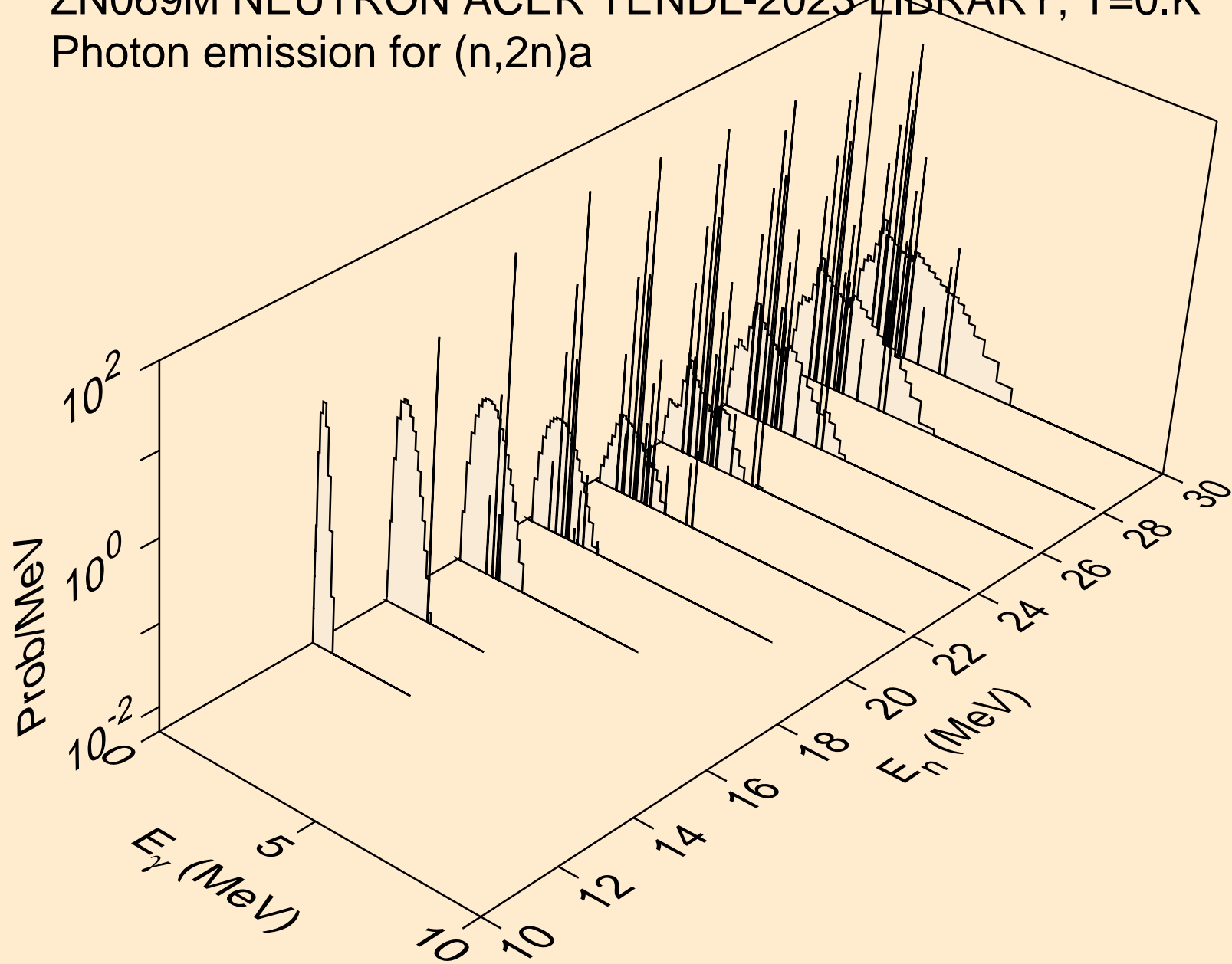
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Photon emission for (n,3n)



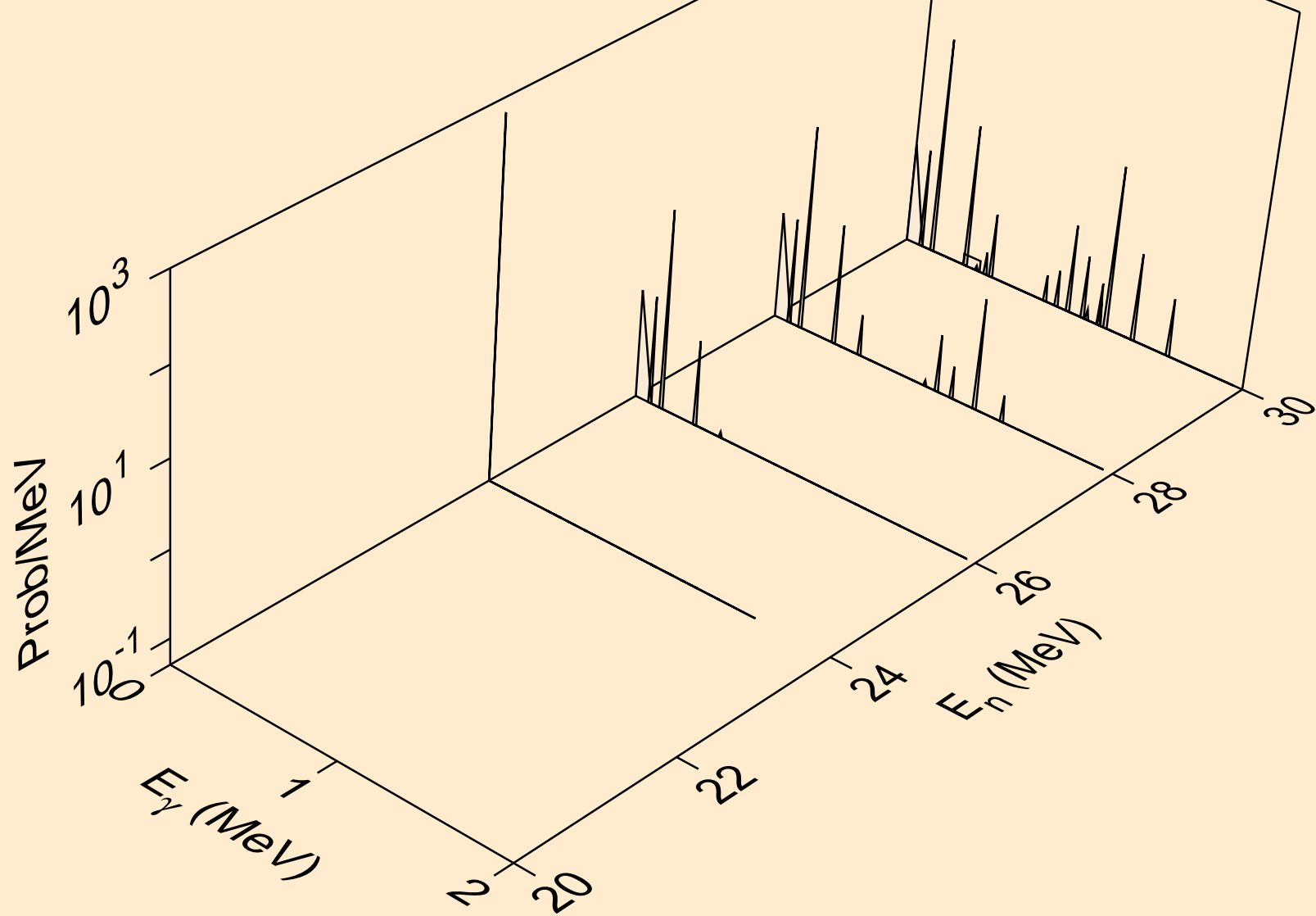
ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

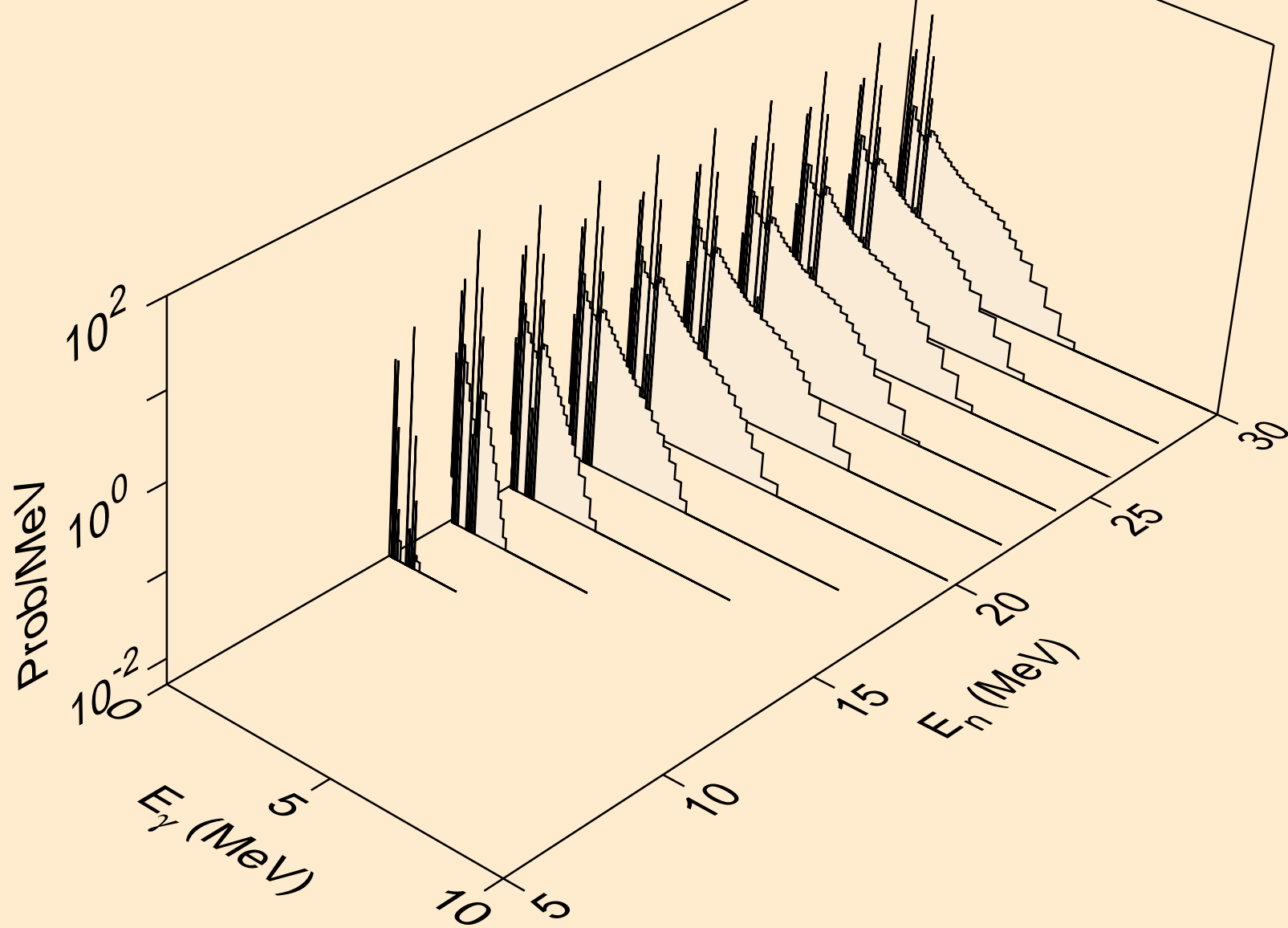


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Photon emission for (n,3n)a

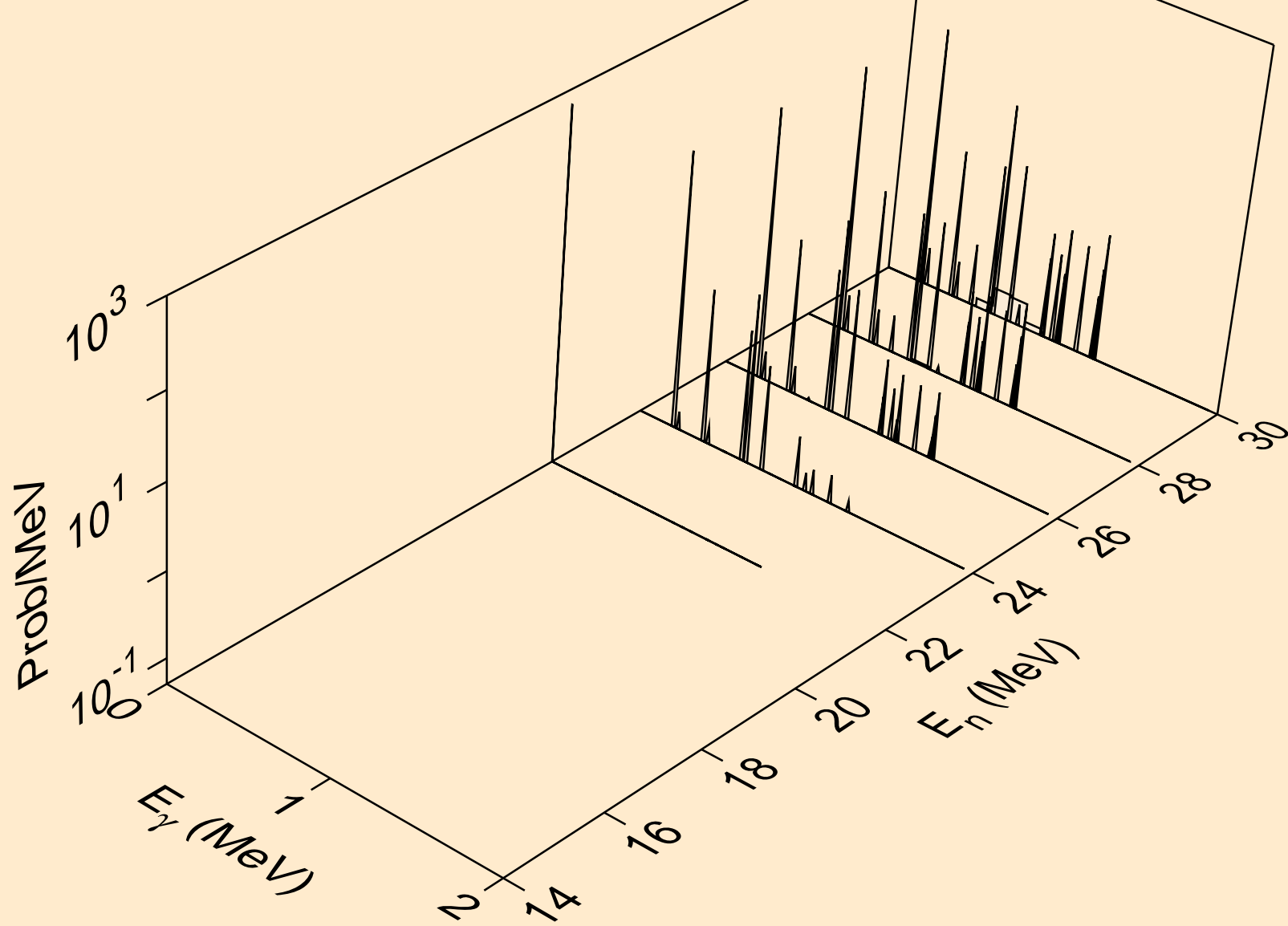




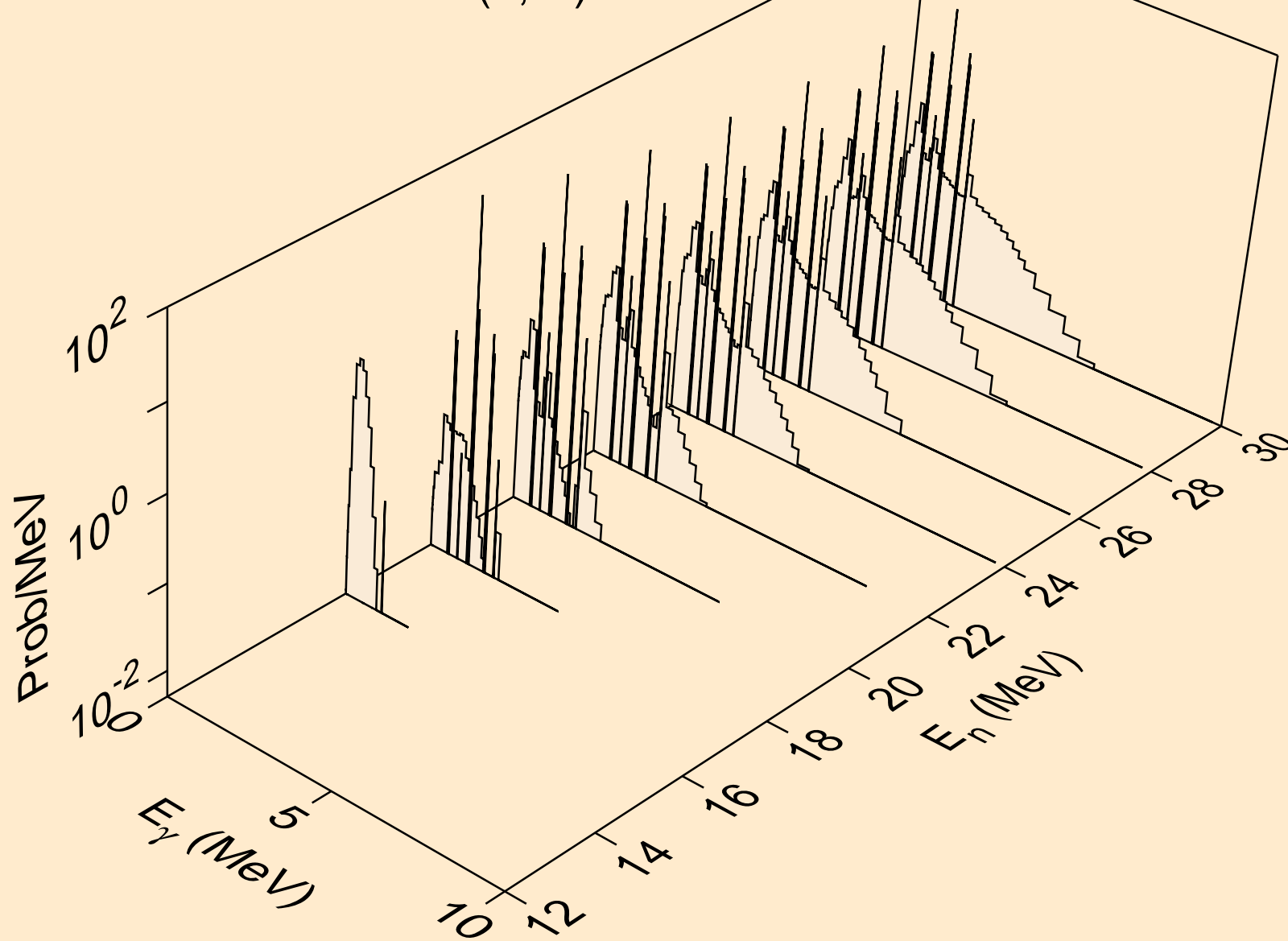
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Photon emission for (n,n\*)p



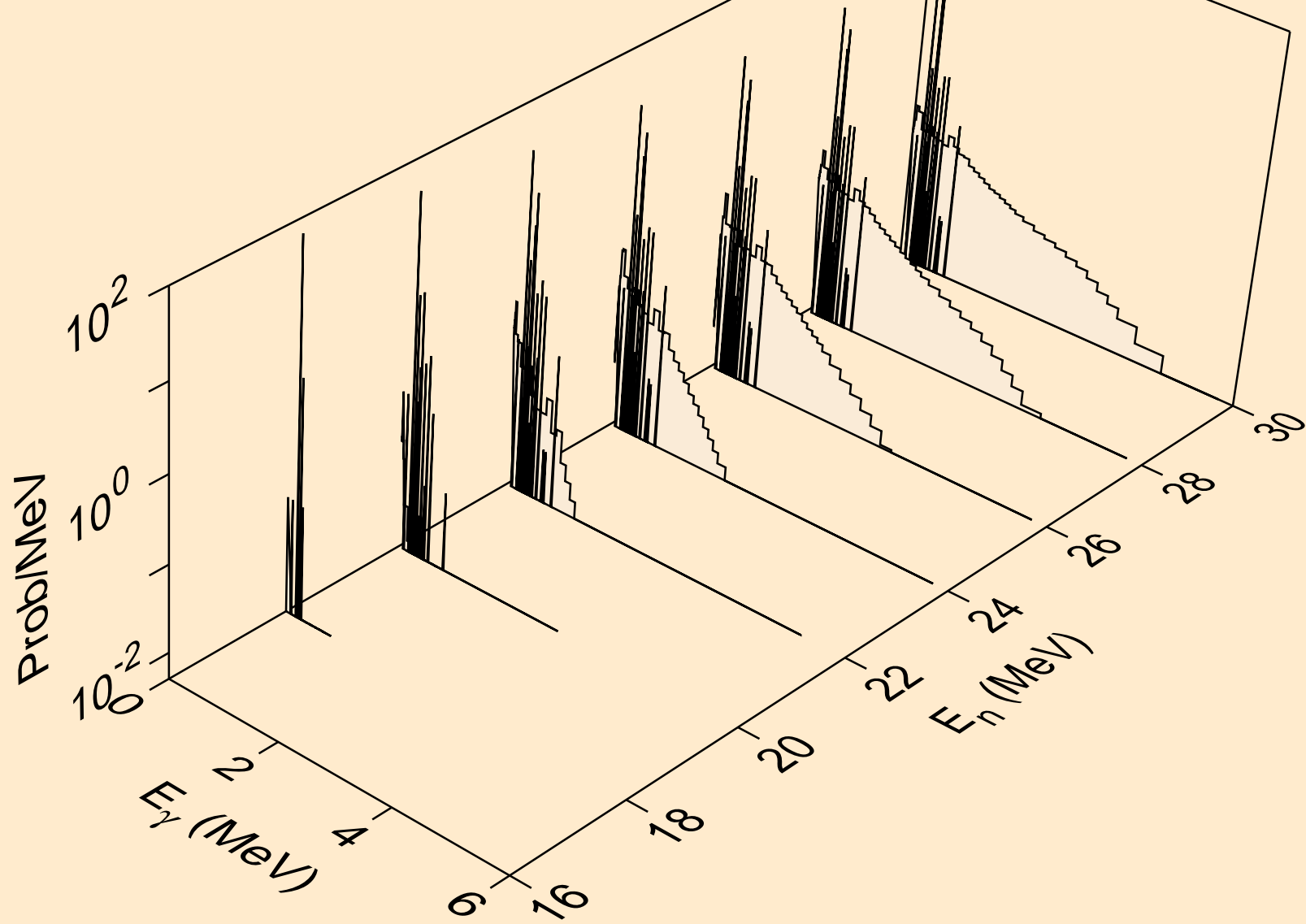
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Photon emission for (n,n\*)2a



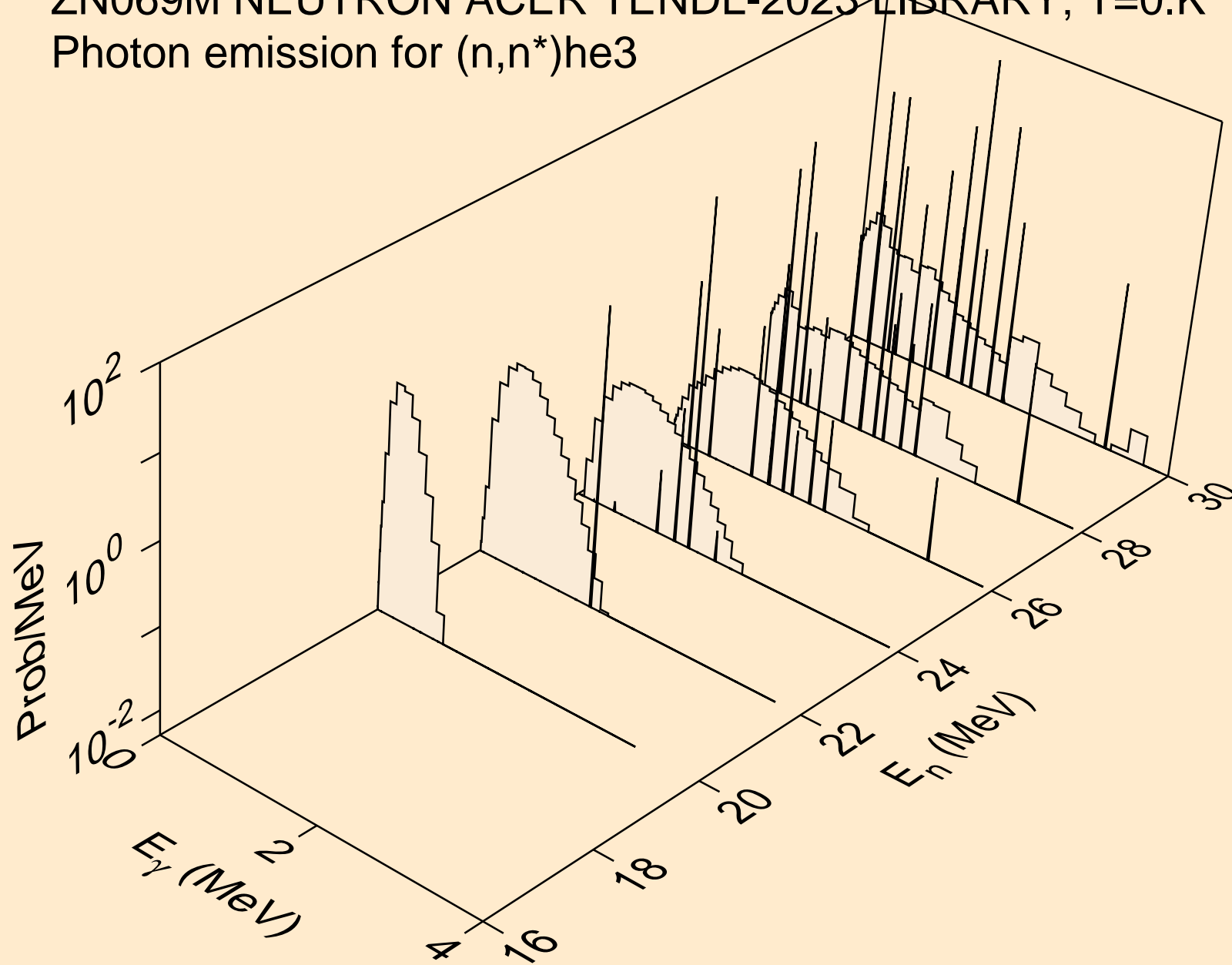
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Photon emission for (n,n\*)d



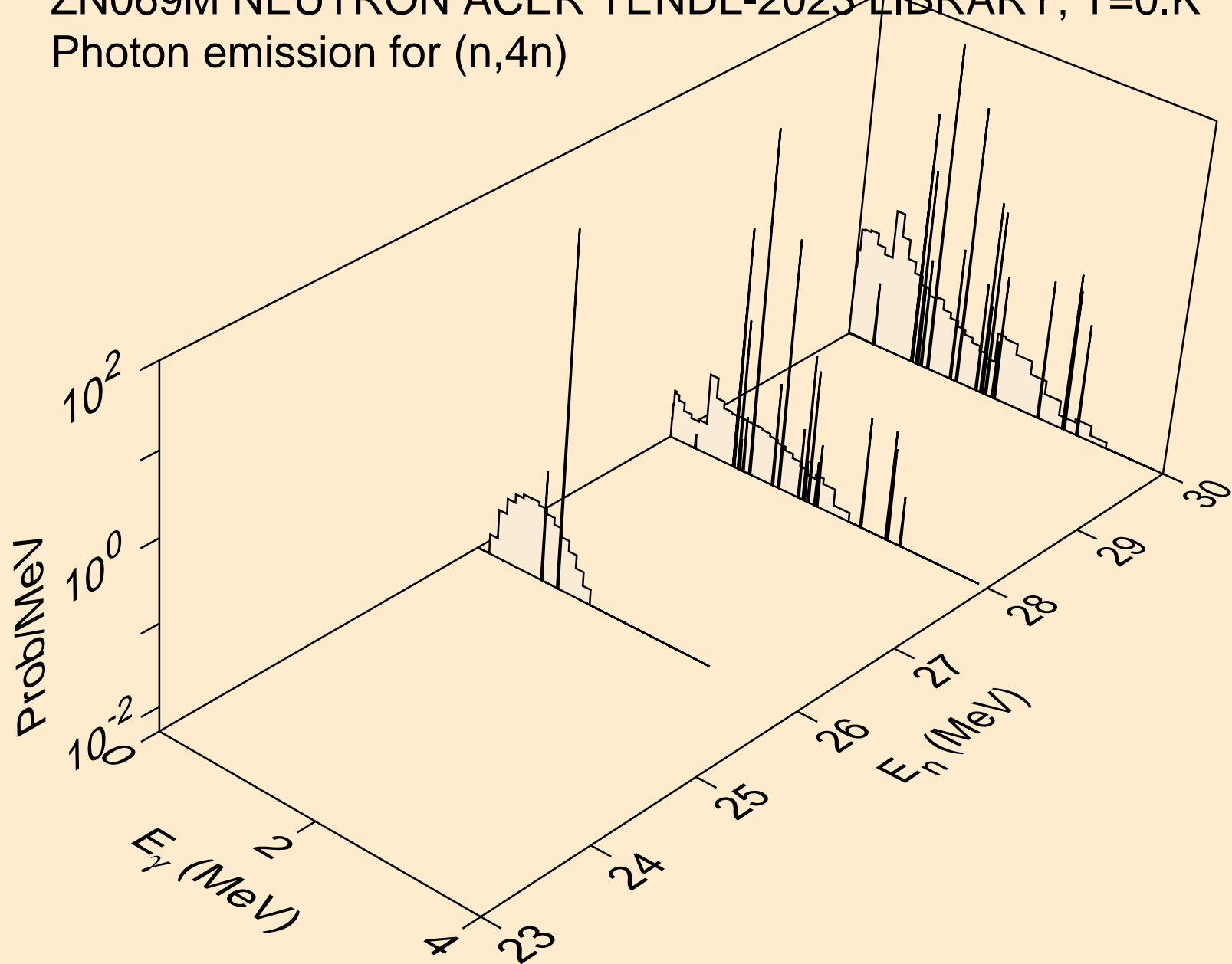
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Photon emission for (n,n\*)t



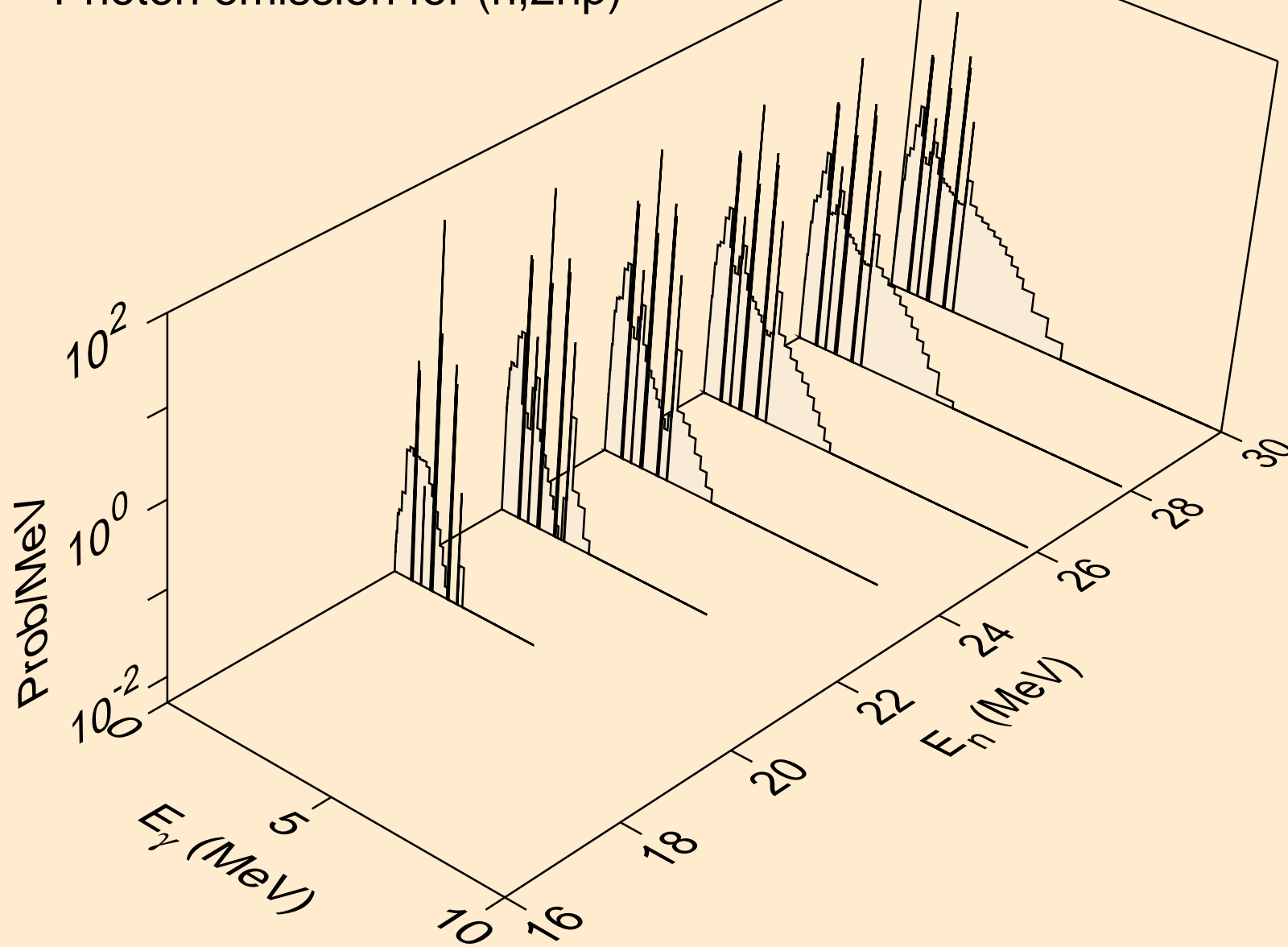
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Photon emission for (n,n\*)he3



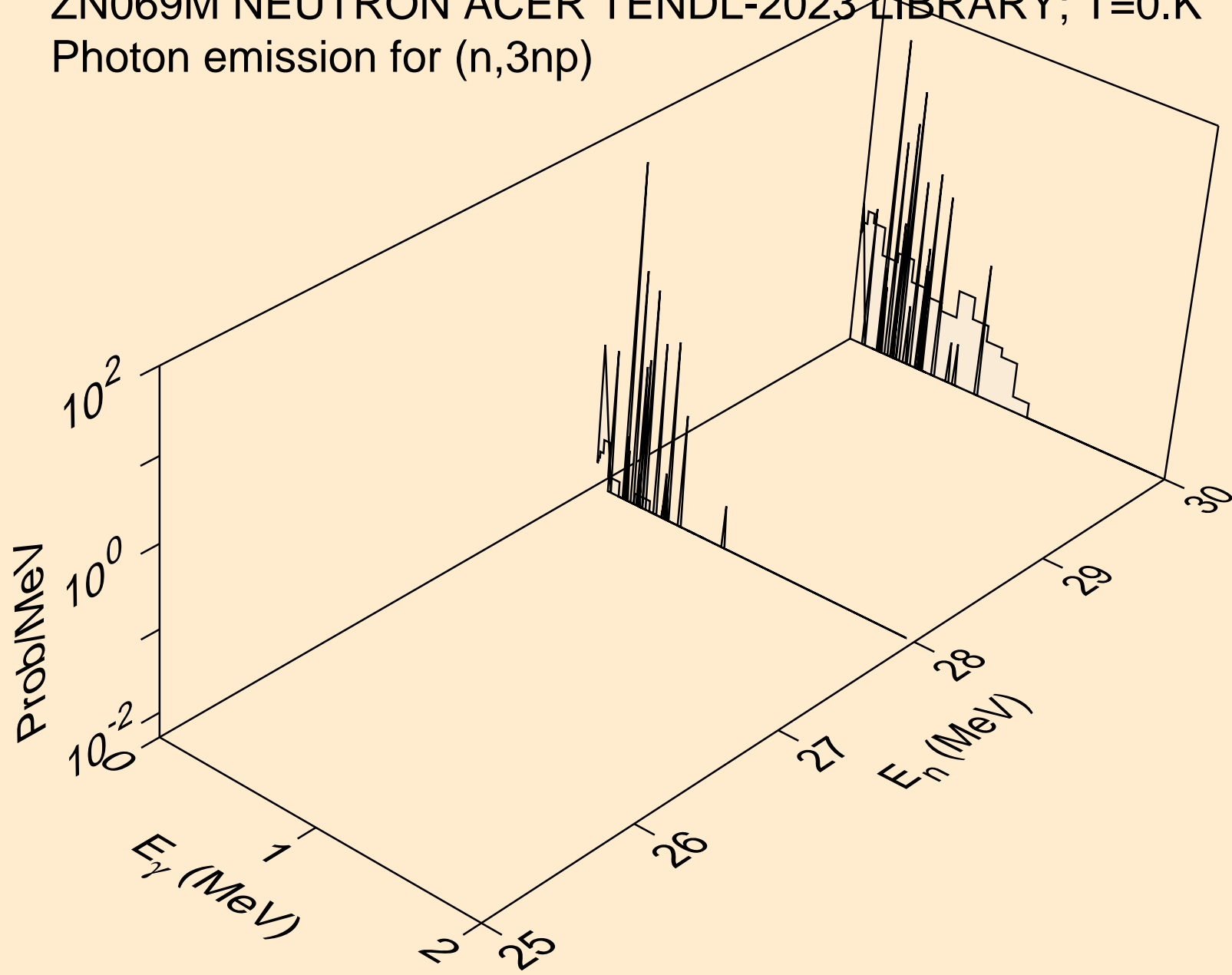
ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

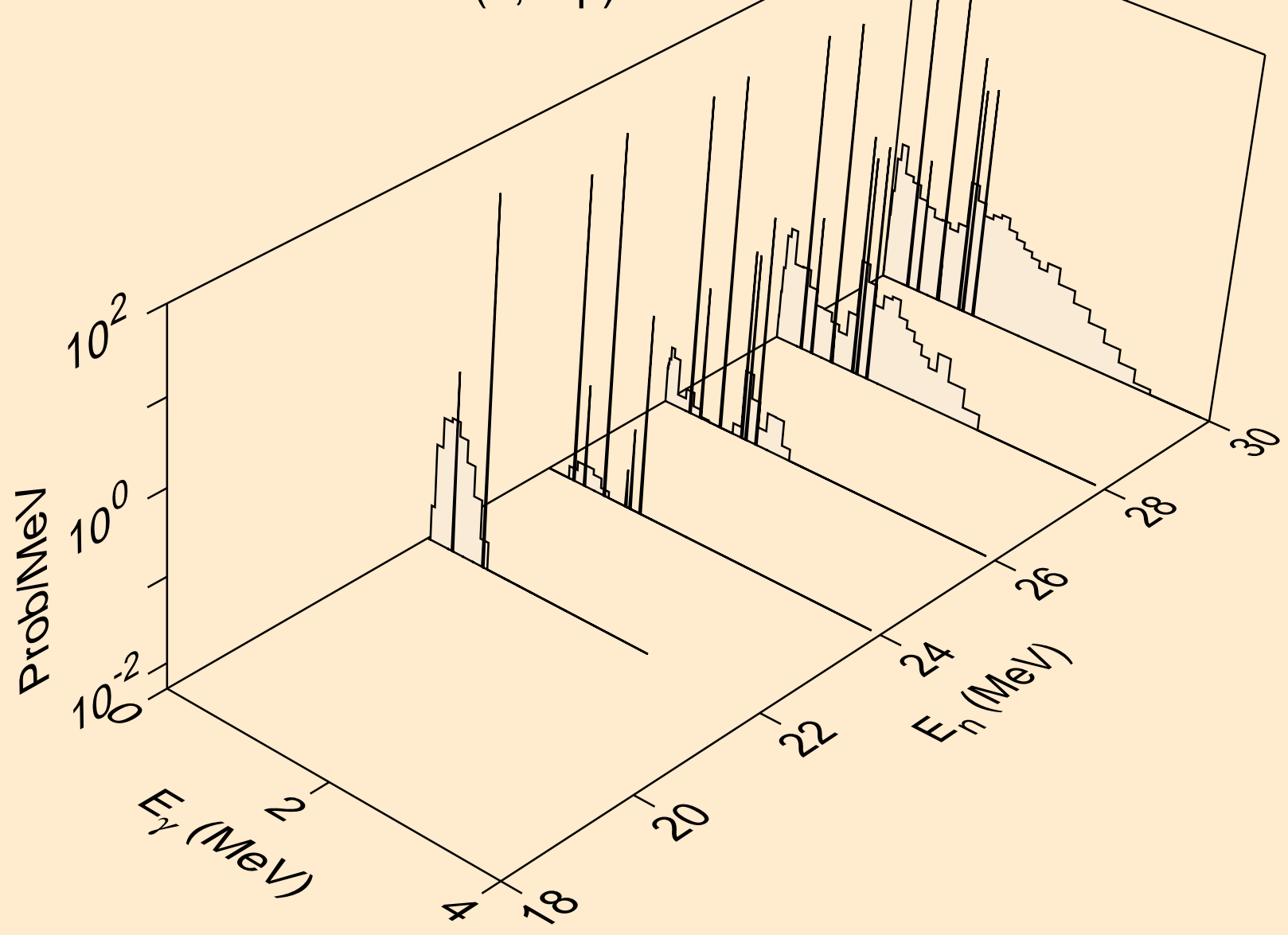


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Photon emission for (n,3np)

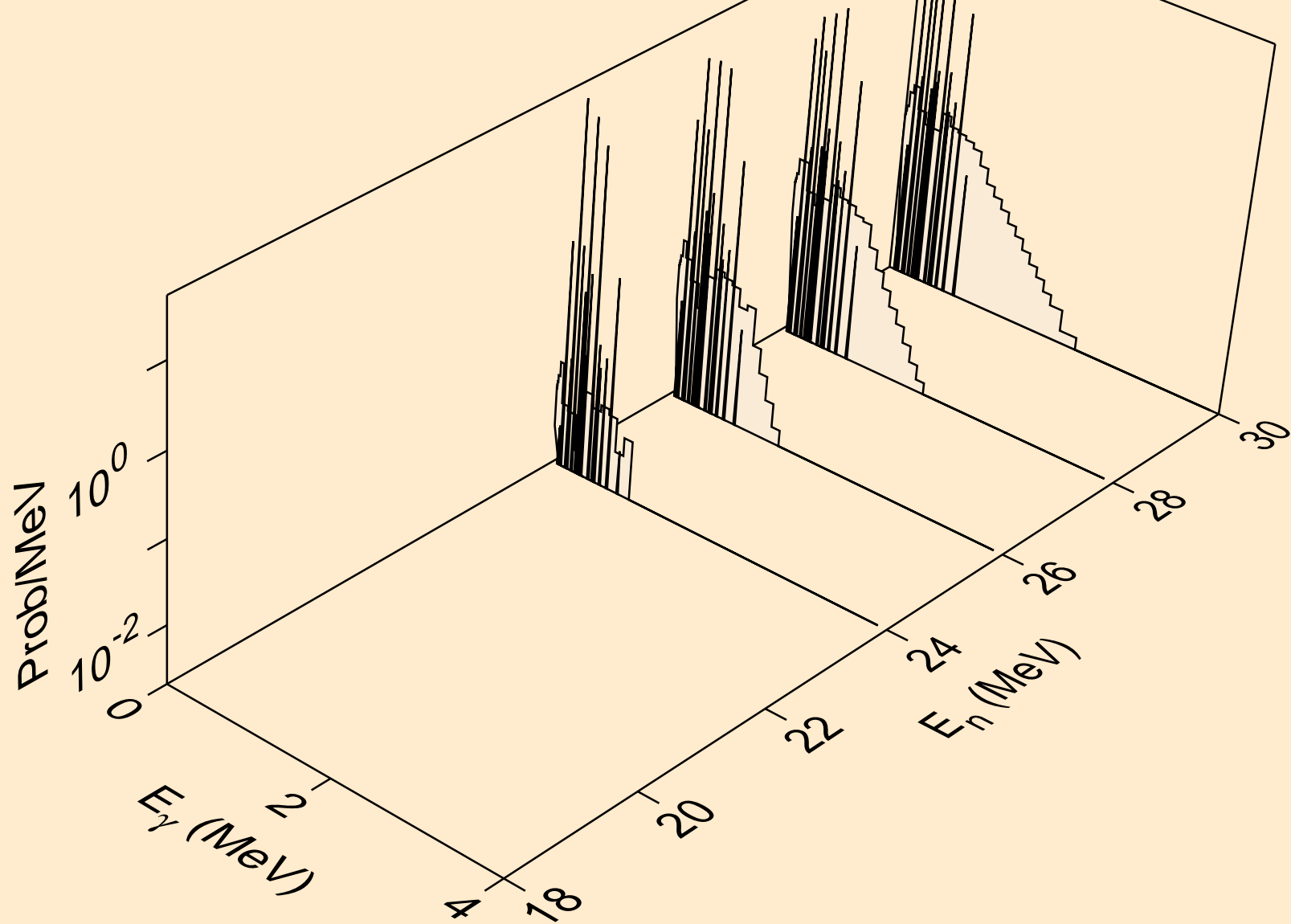




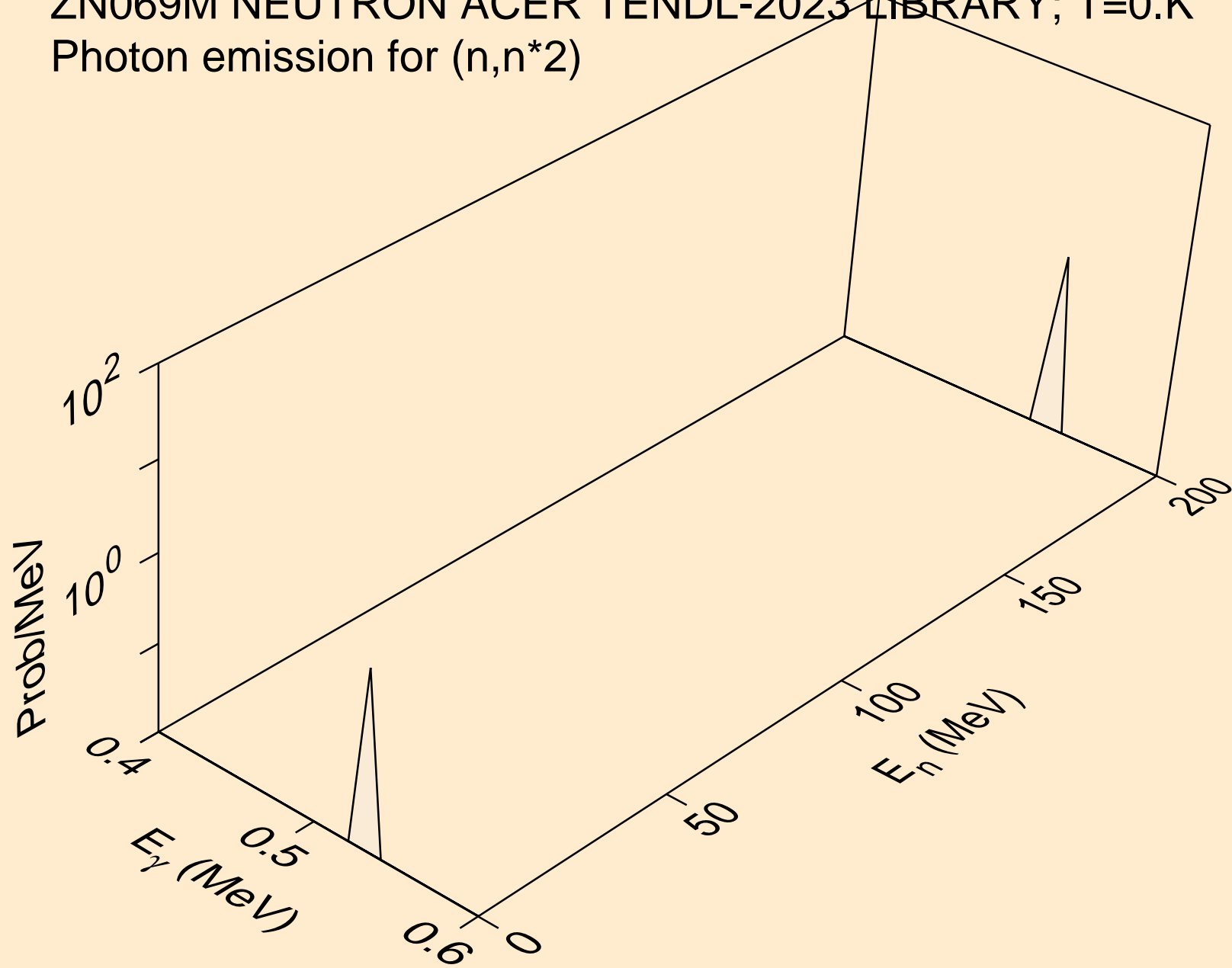
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Photon emission for (n,n2p)



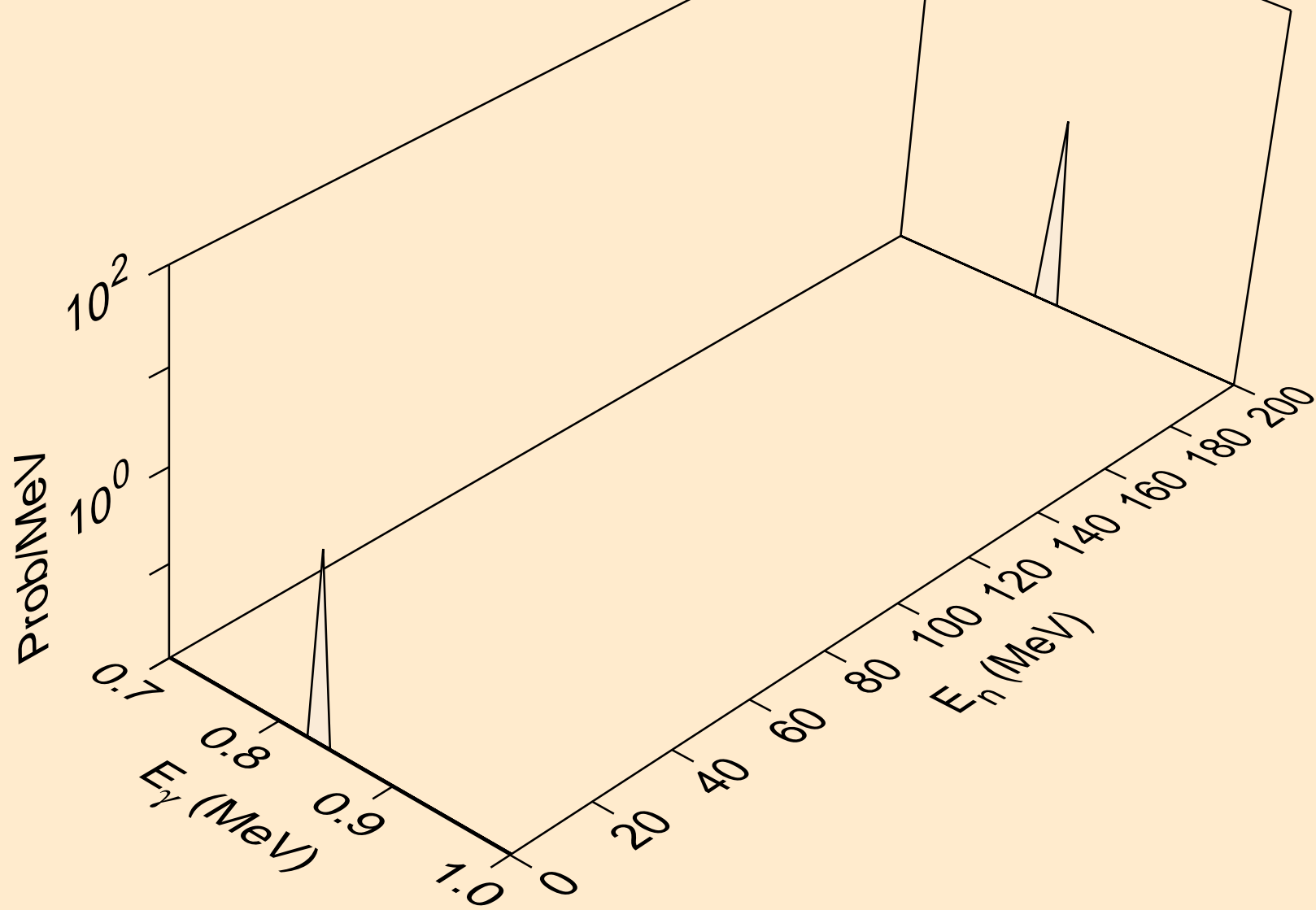
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Photon emission for (n,npa)



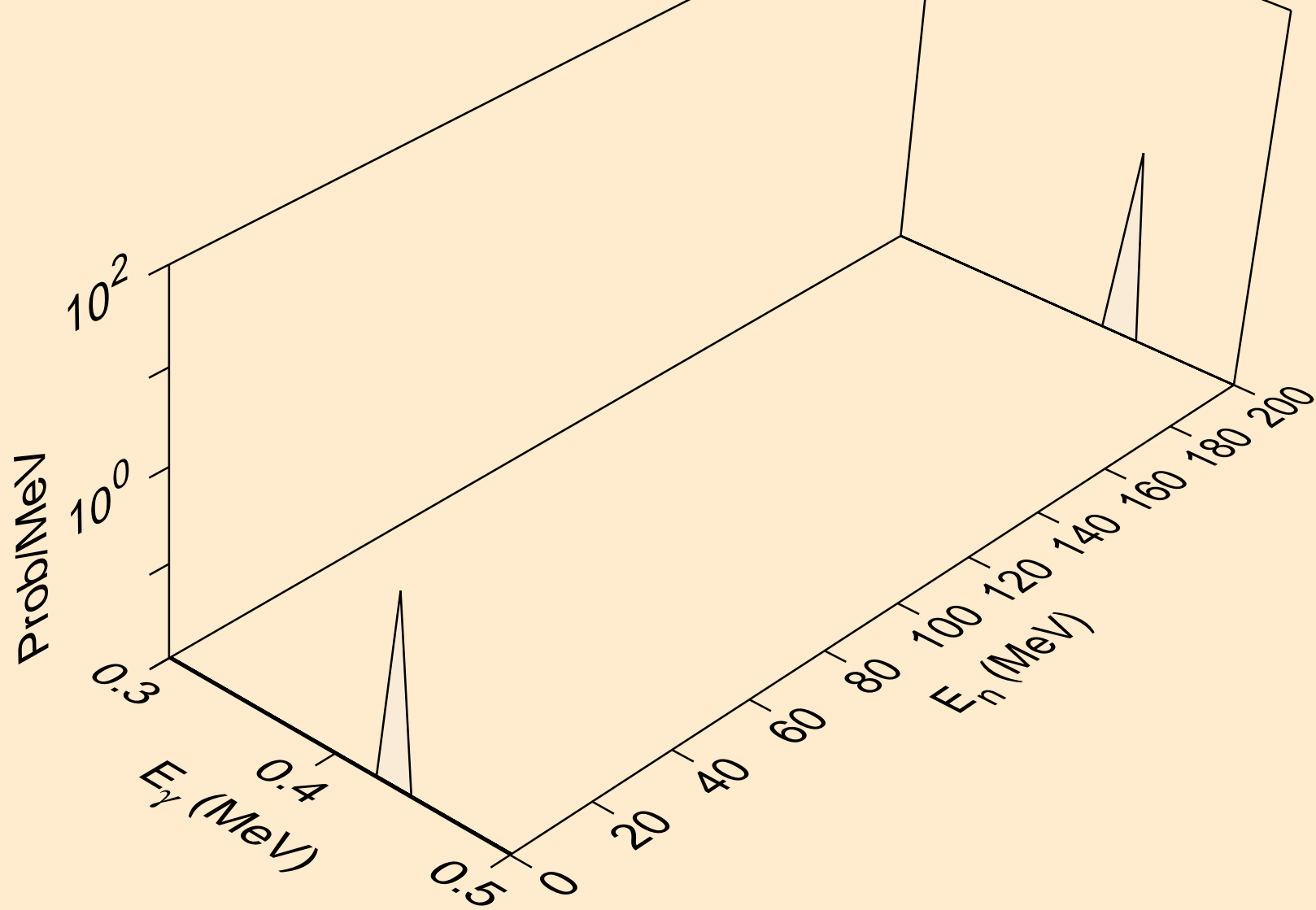
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Photon emission for (n,n\*2)



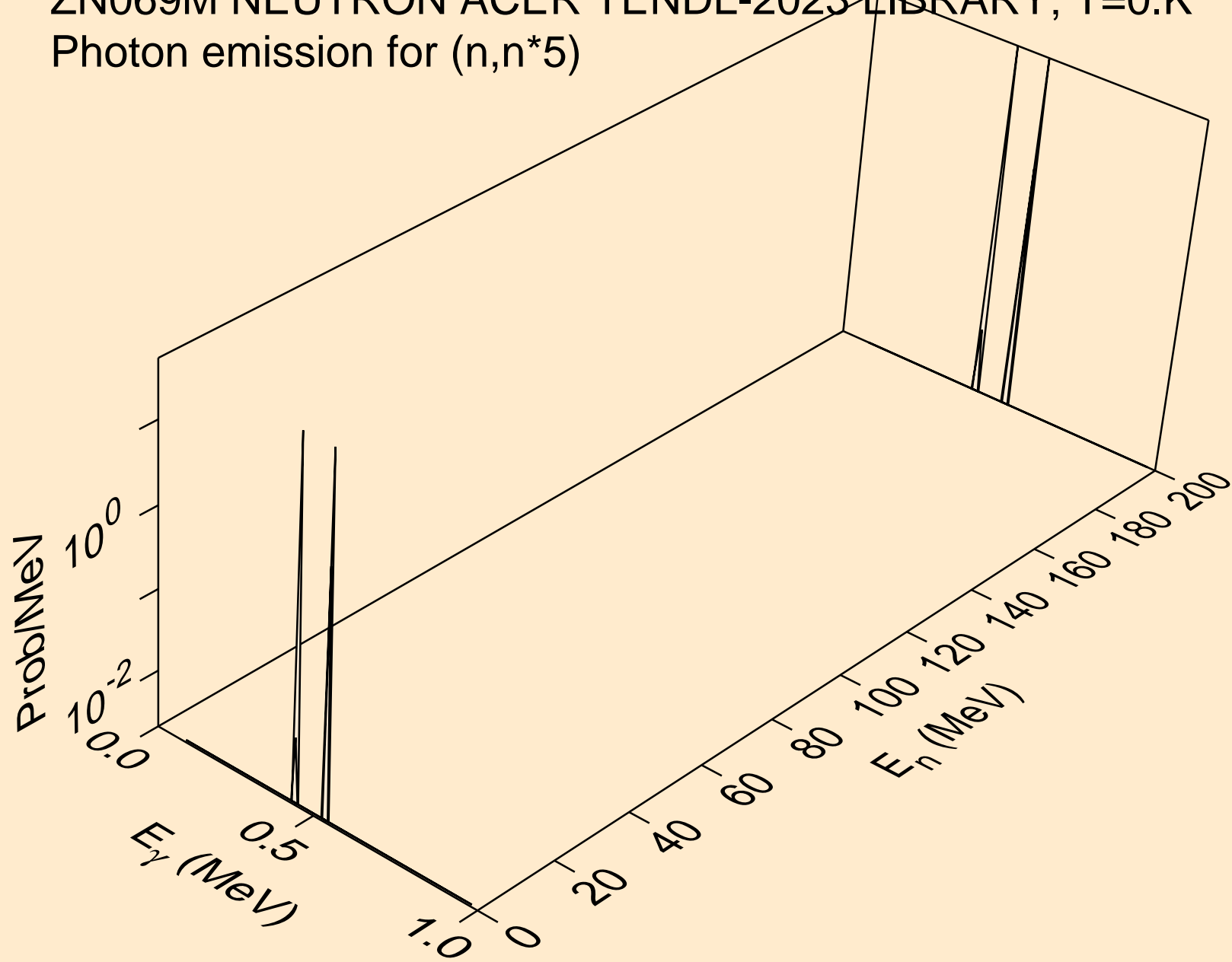
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Photon emission for (n,n\*3)



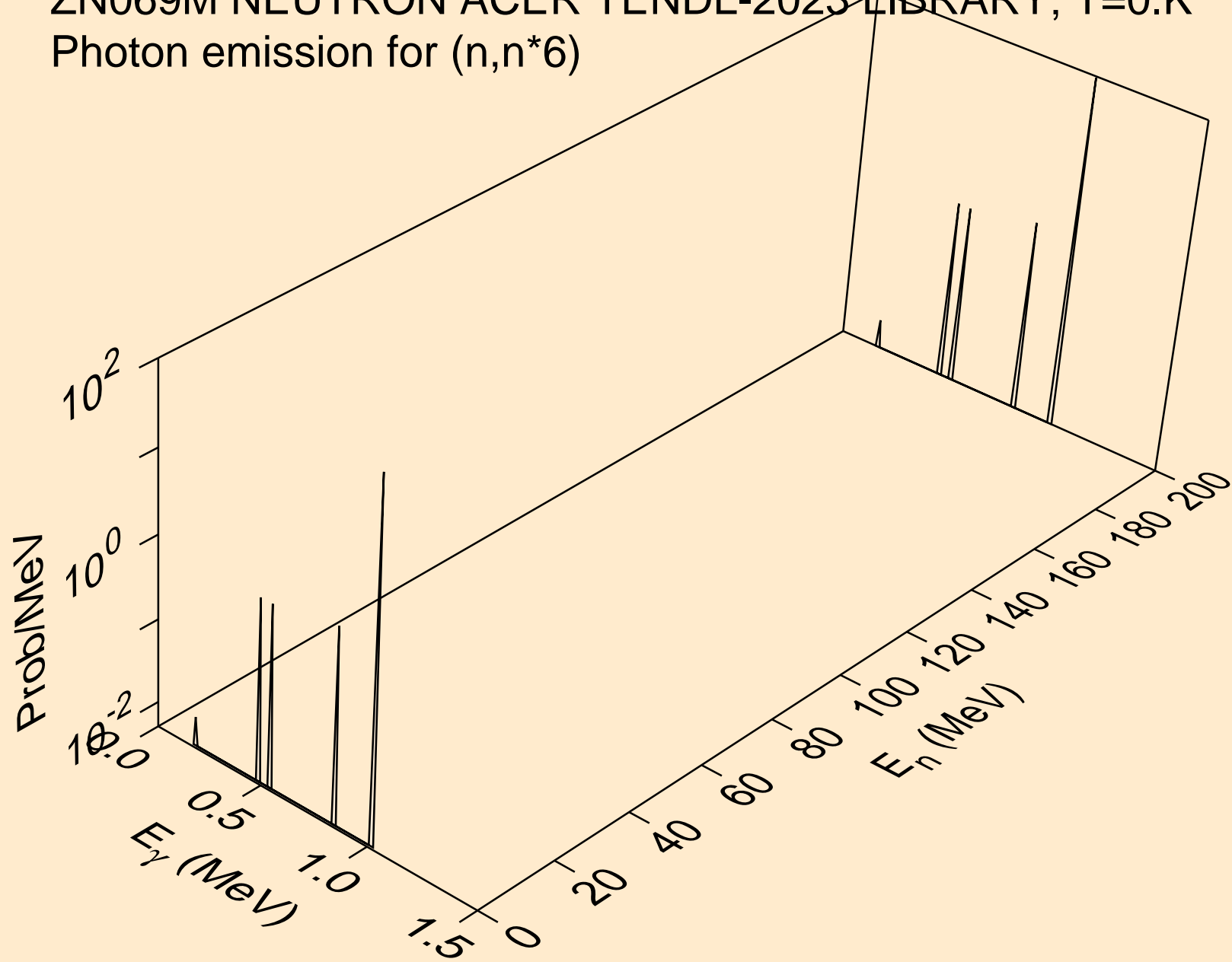
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Photon emission for (n,n\*4)



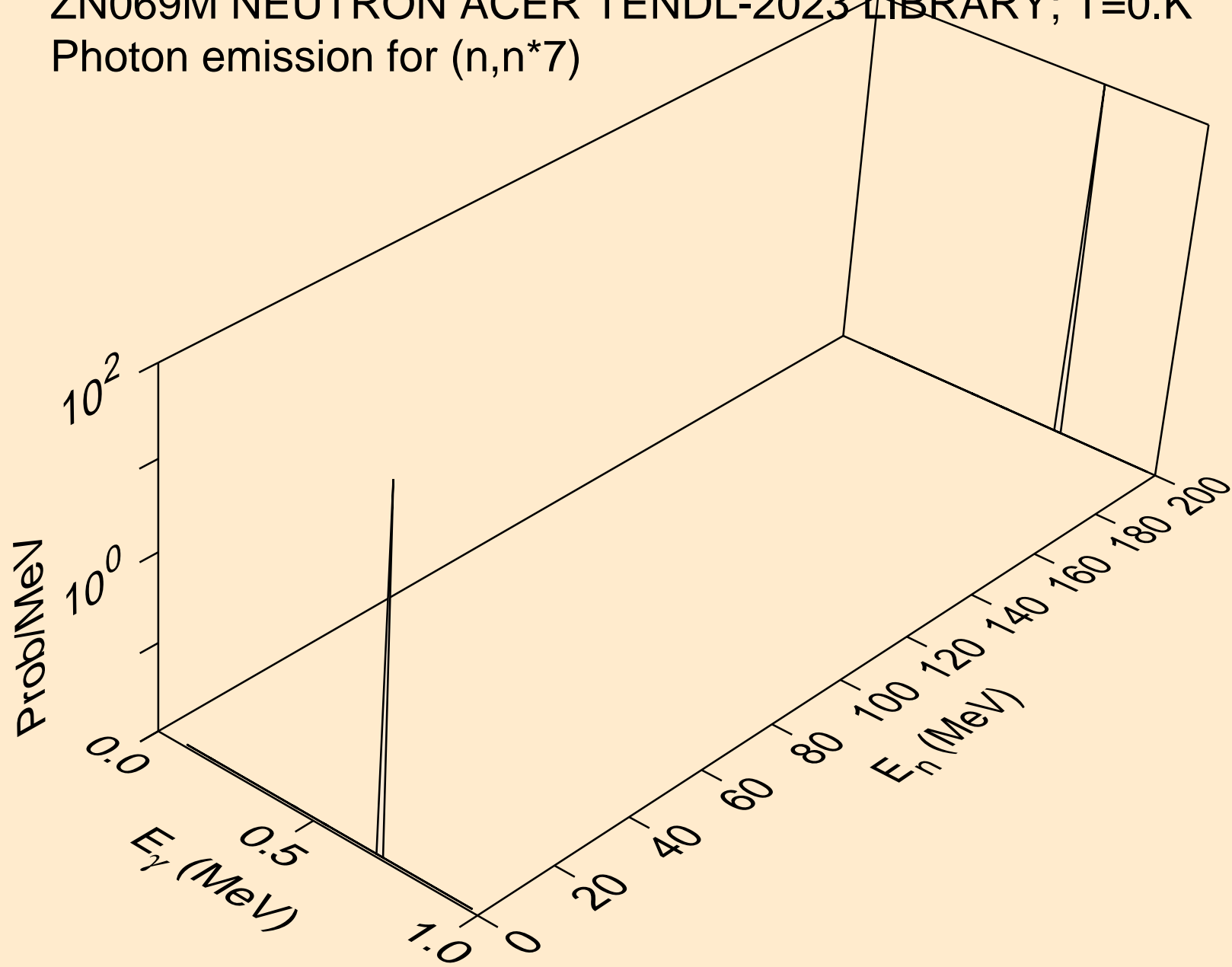
ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*5)



ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*6)

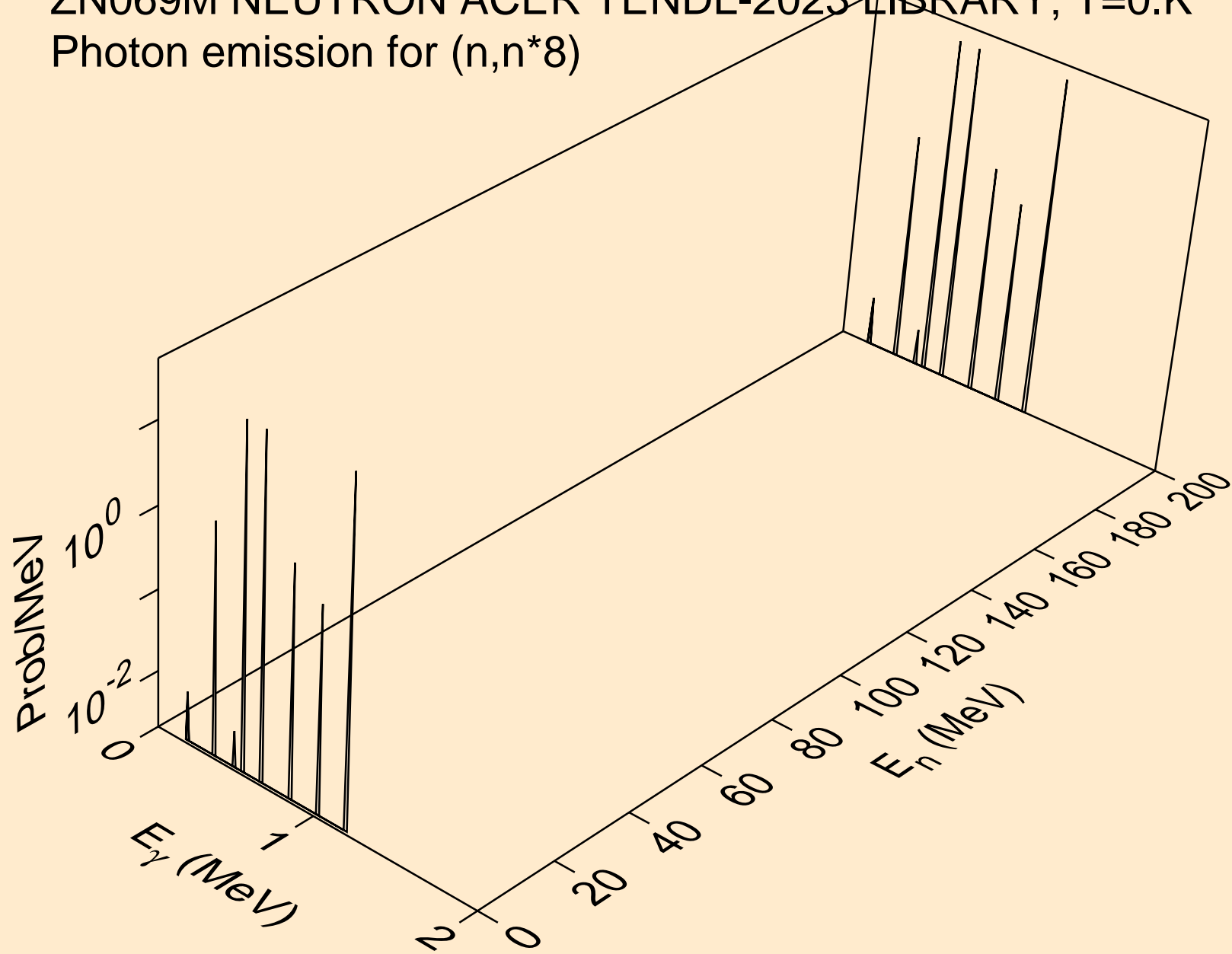


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Photon emission for (n,n\*7)

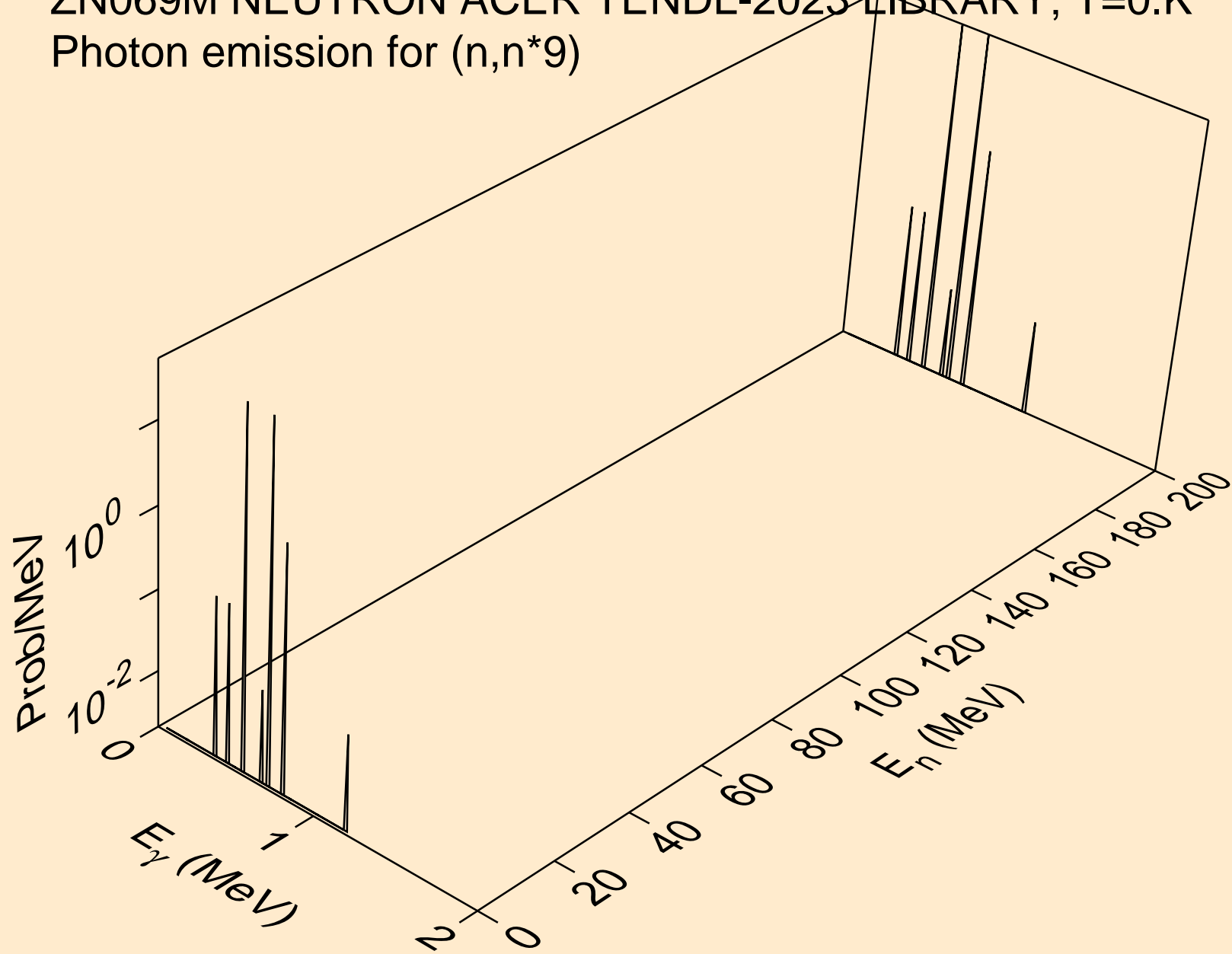




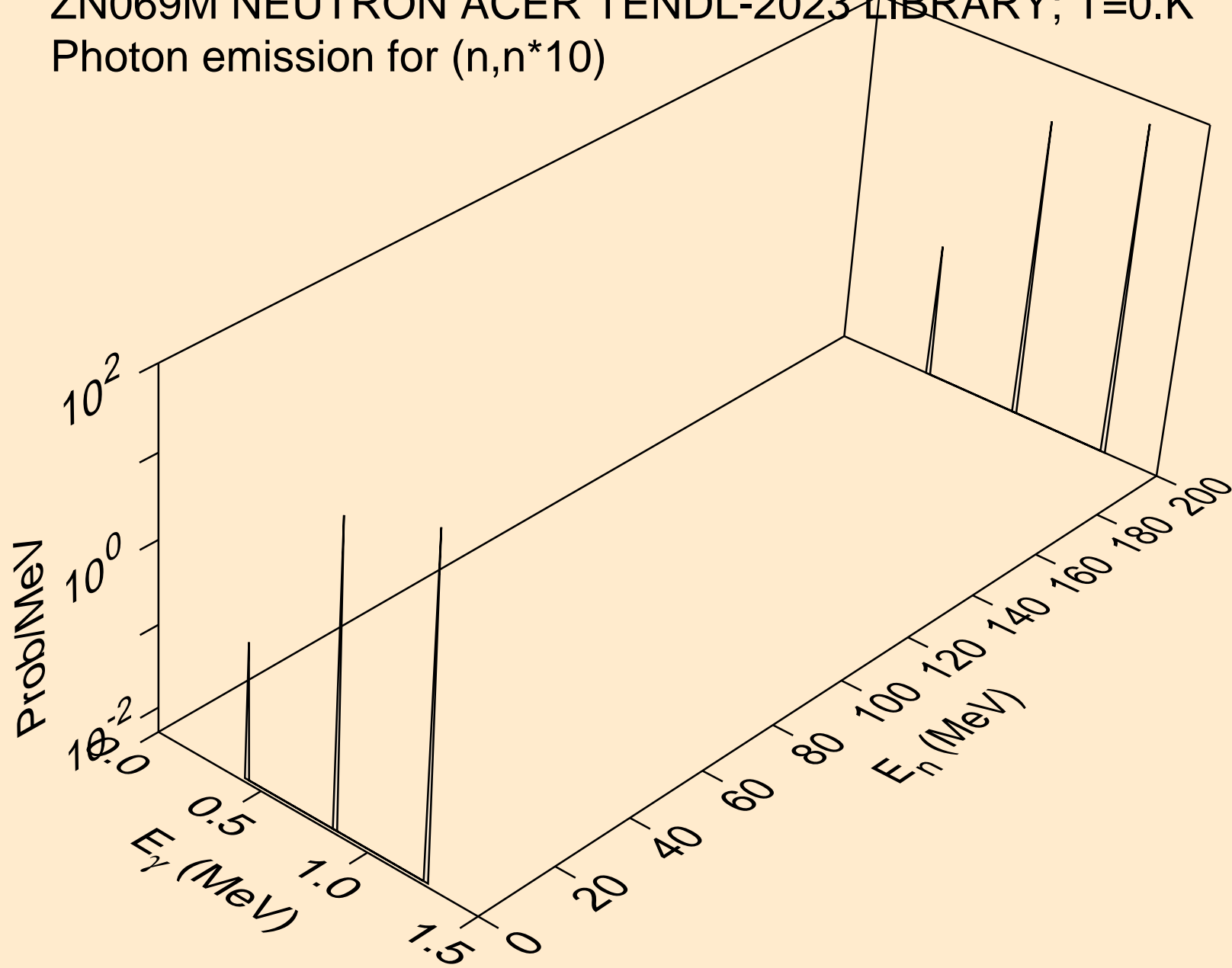
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Photon emission for (n,n\*8)



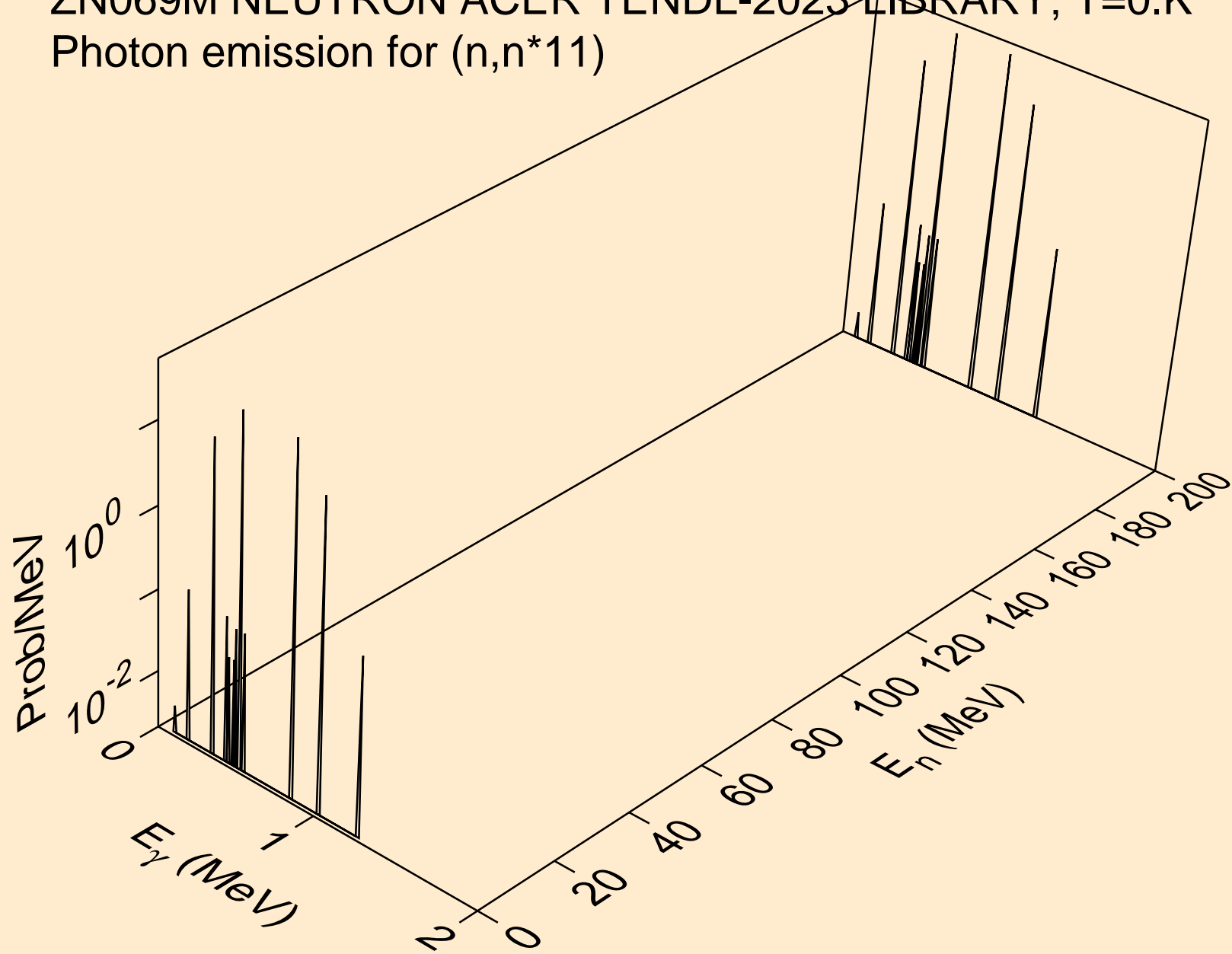
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Photon emission for (n,n\*9)



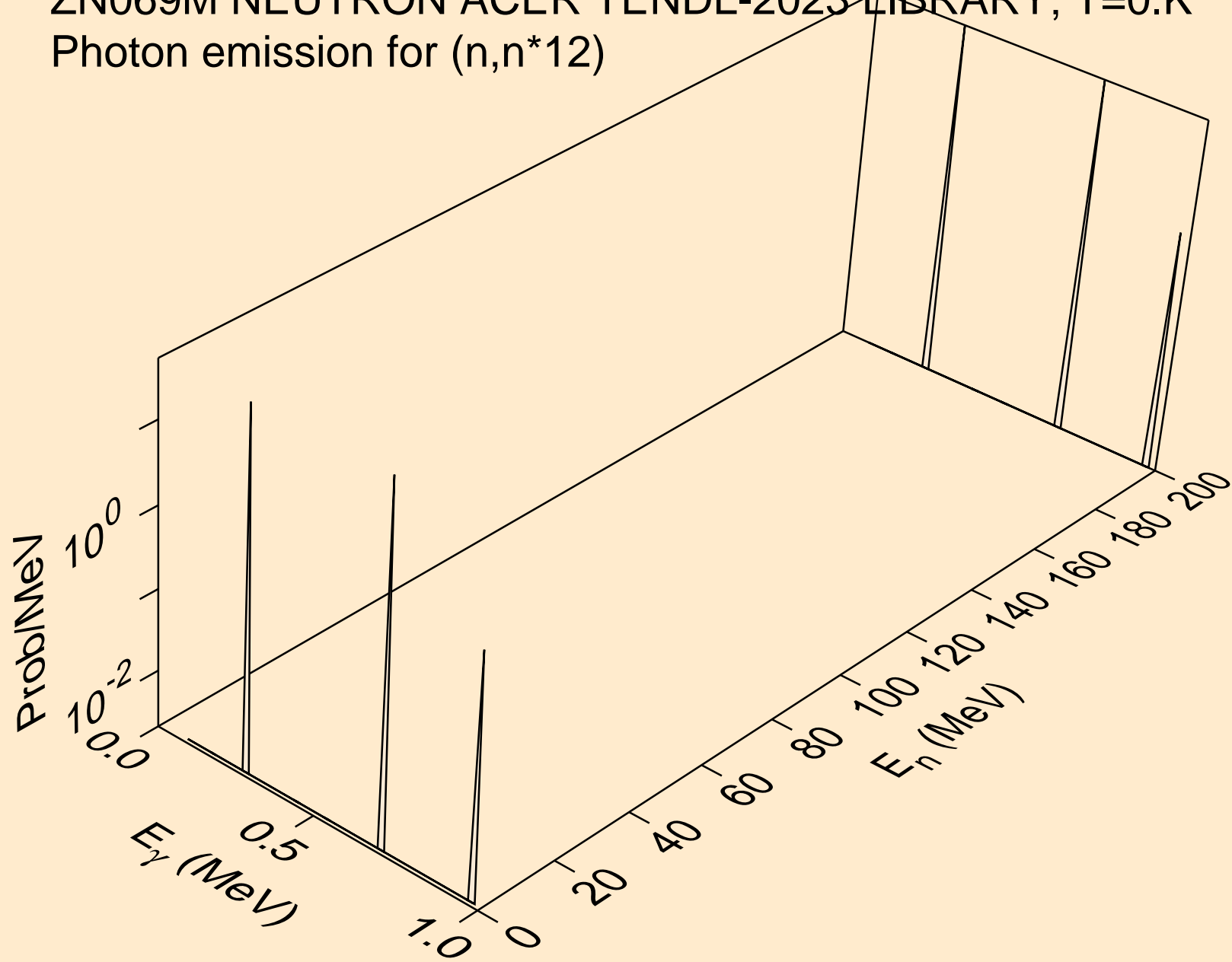
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Photon emission for (n,n\*10)



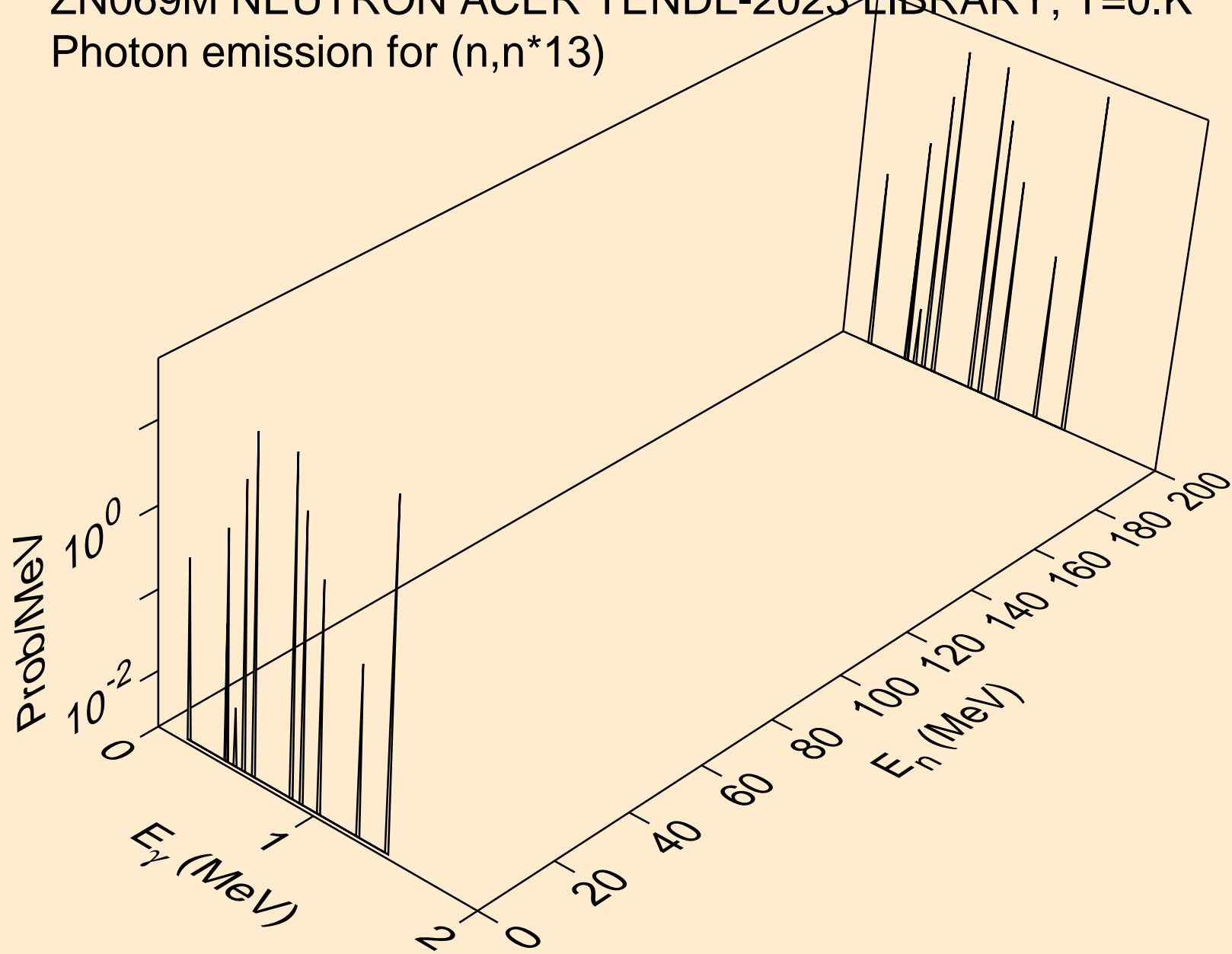
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Photon emission for (n,n\*11)



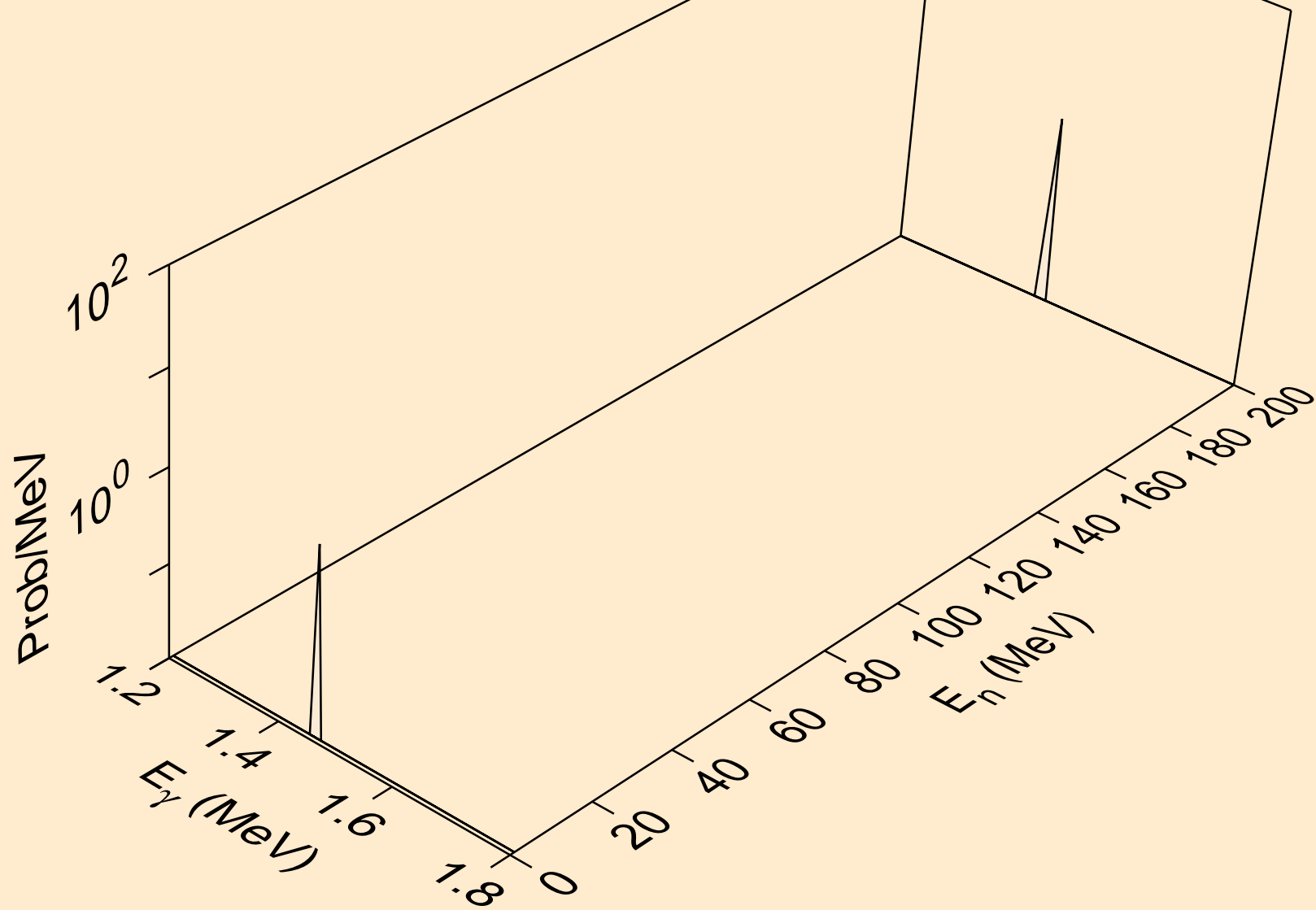
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Photon emission for (n,n\*12)



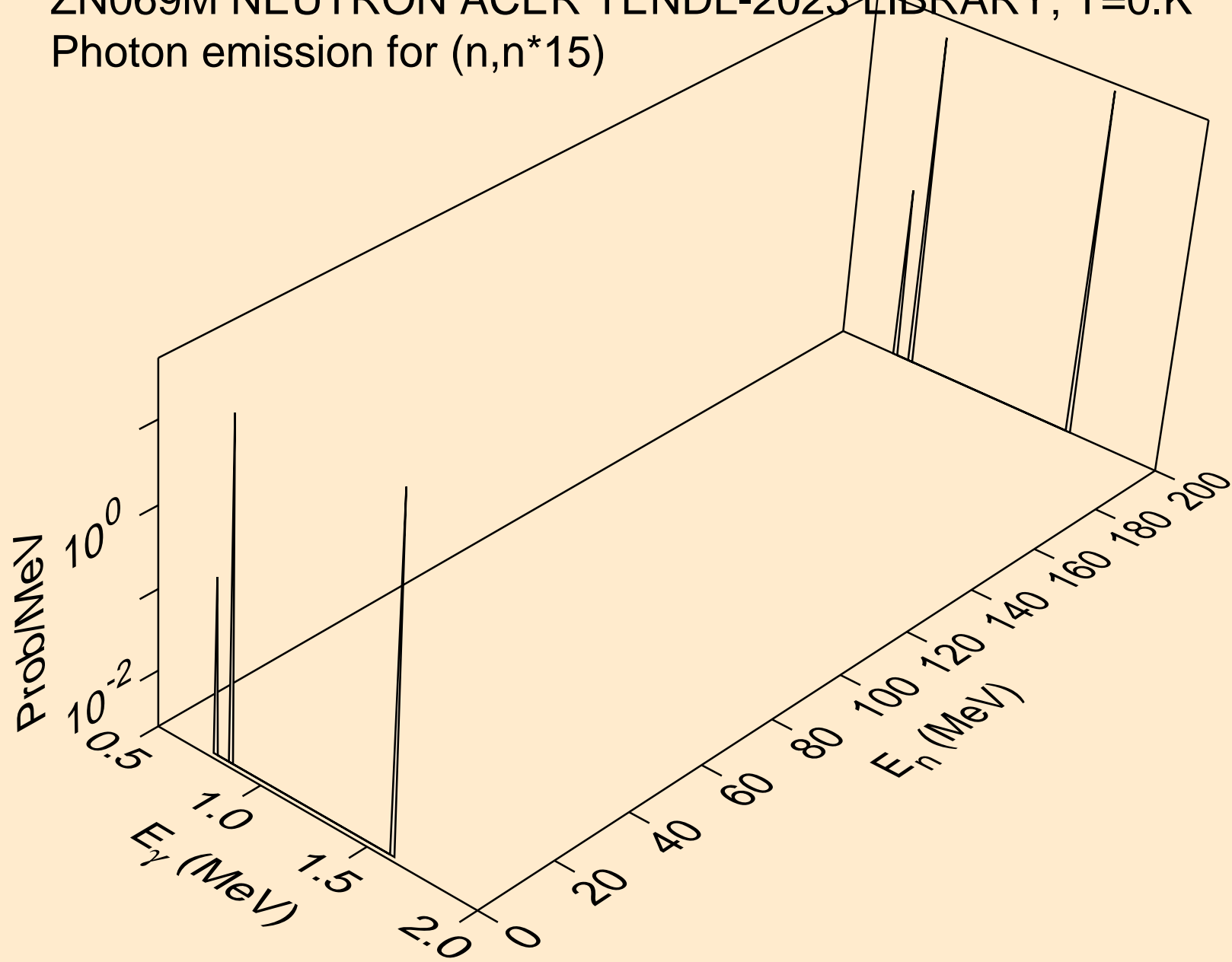
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Photon emission for (n,n\*13)



ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*14)

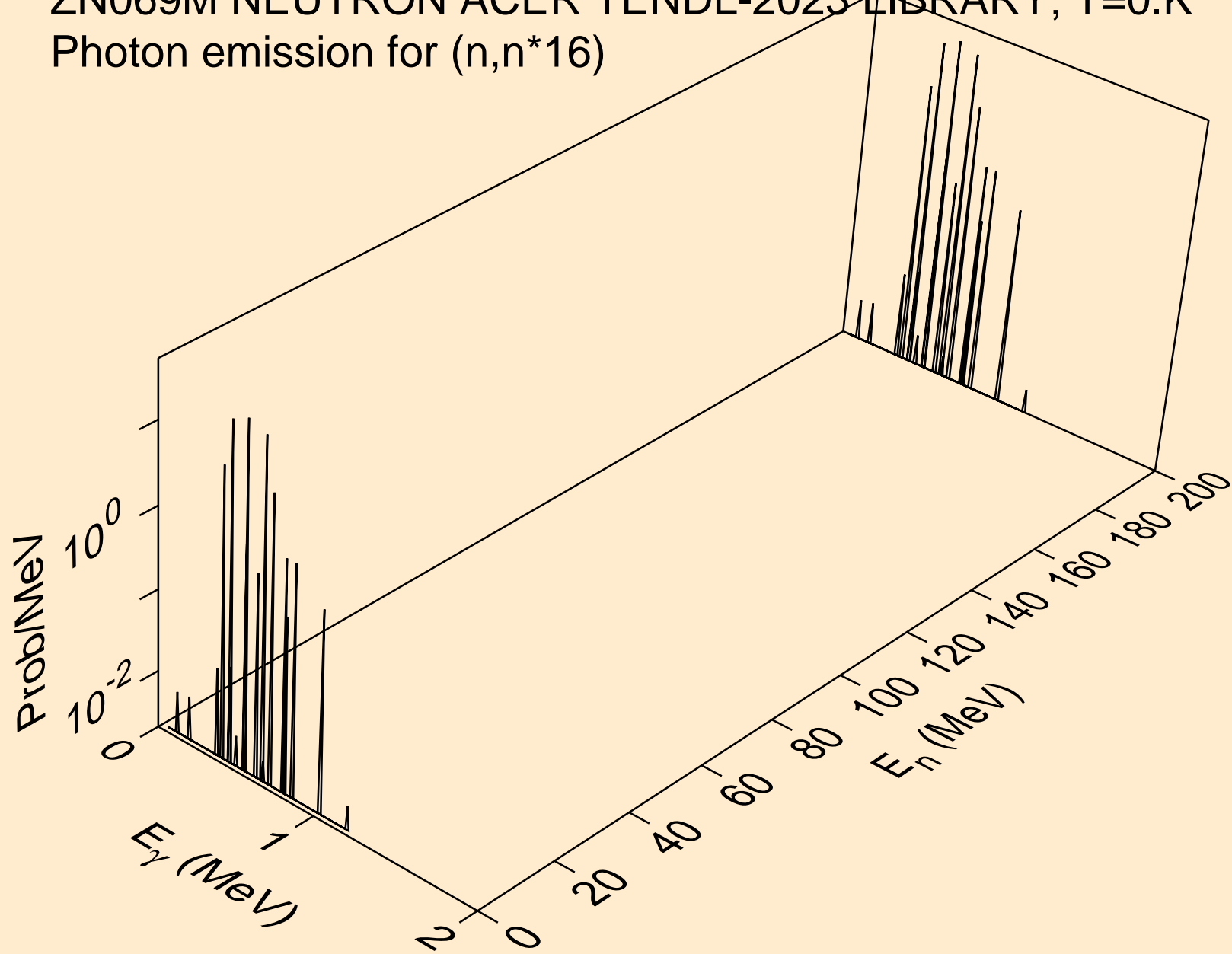


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Photon emission for (n,n\*15)

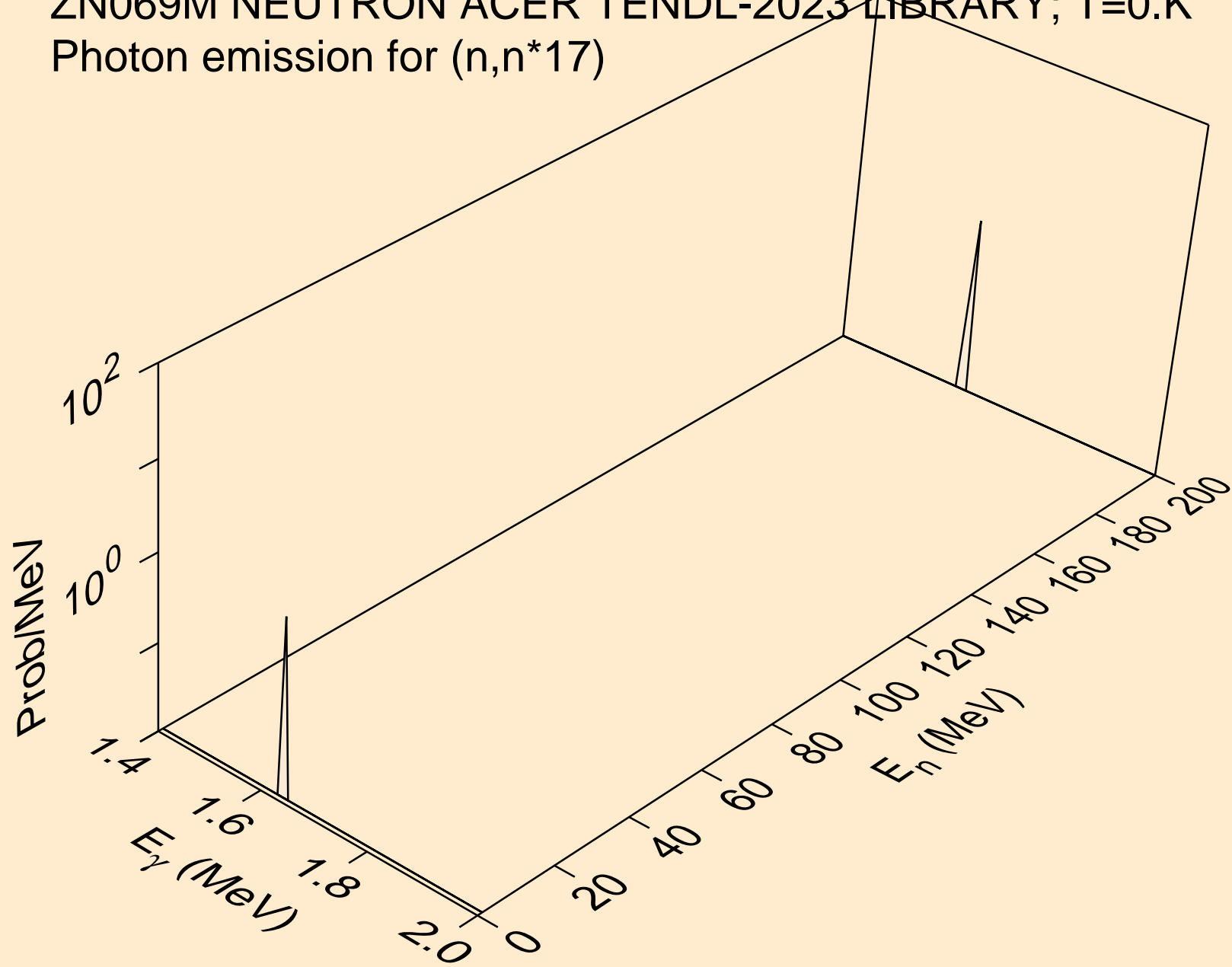




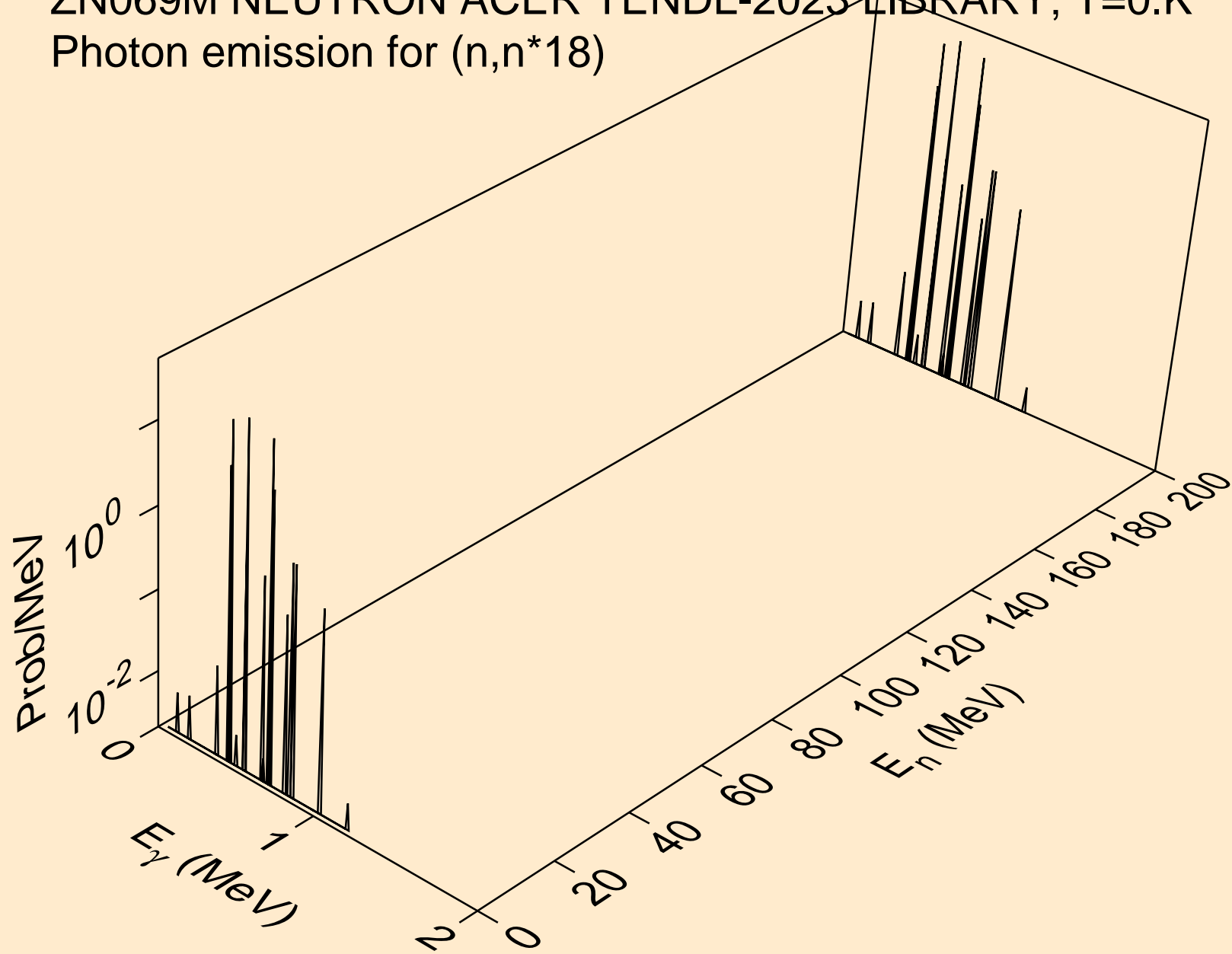
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Photon emission for (n,n\*16)



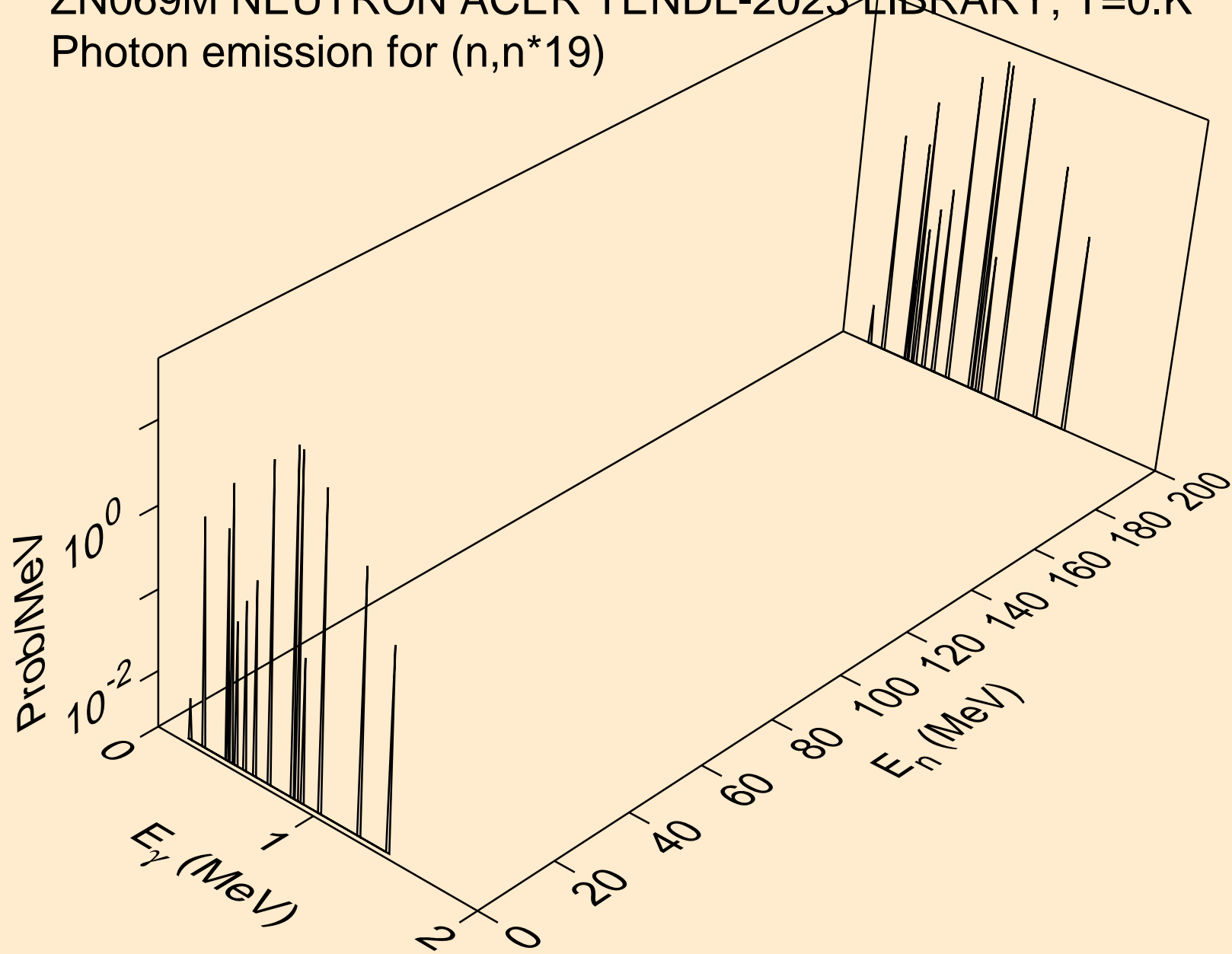
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Photon emission for (n,n\*17)



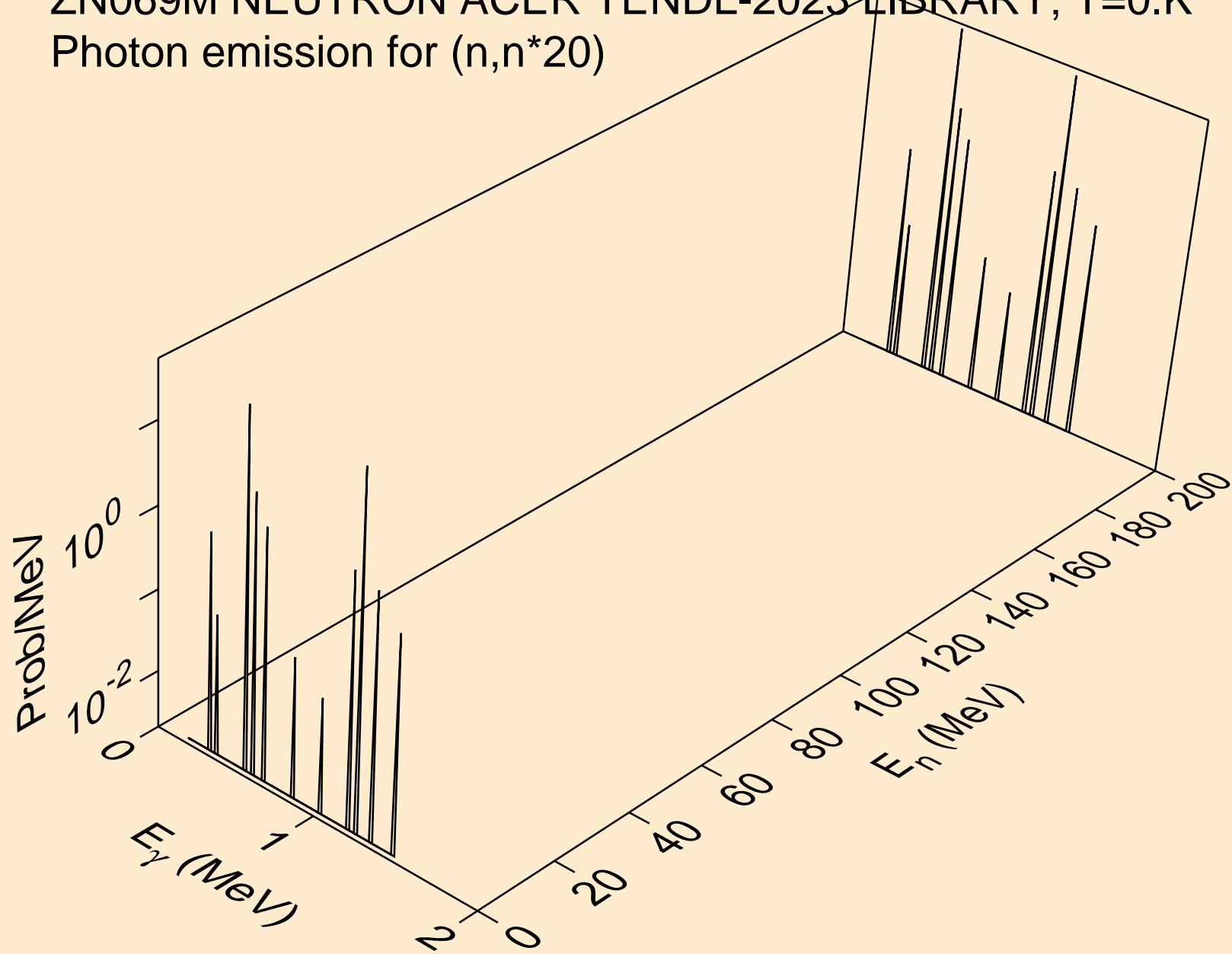
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Photon emission for (n,n\*18)



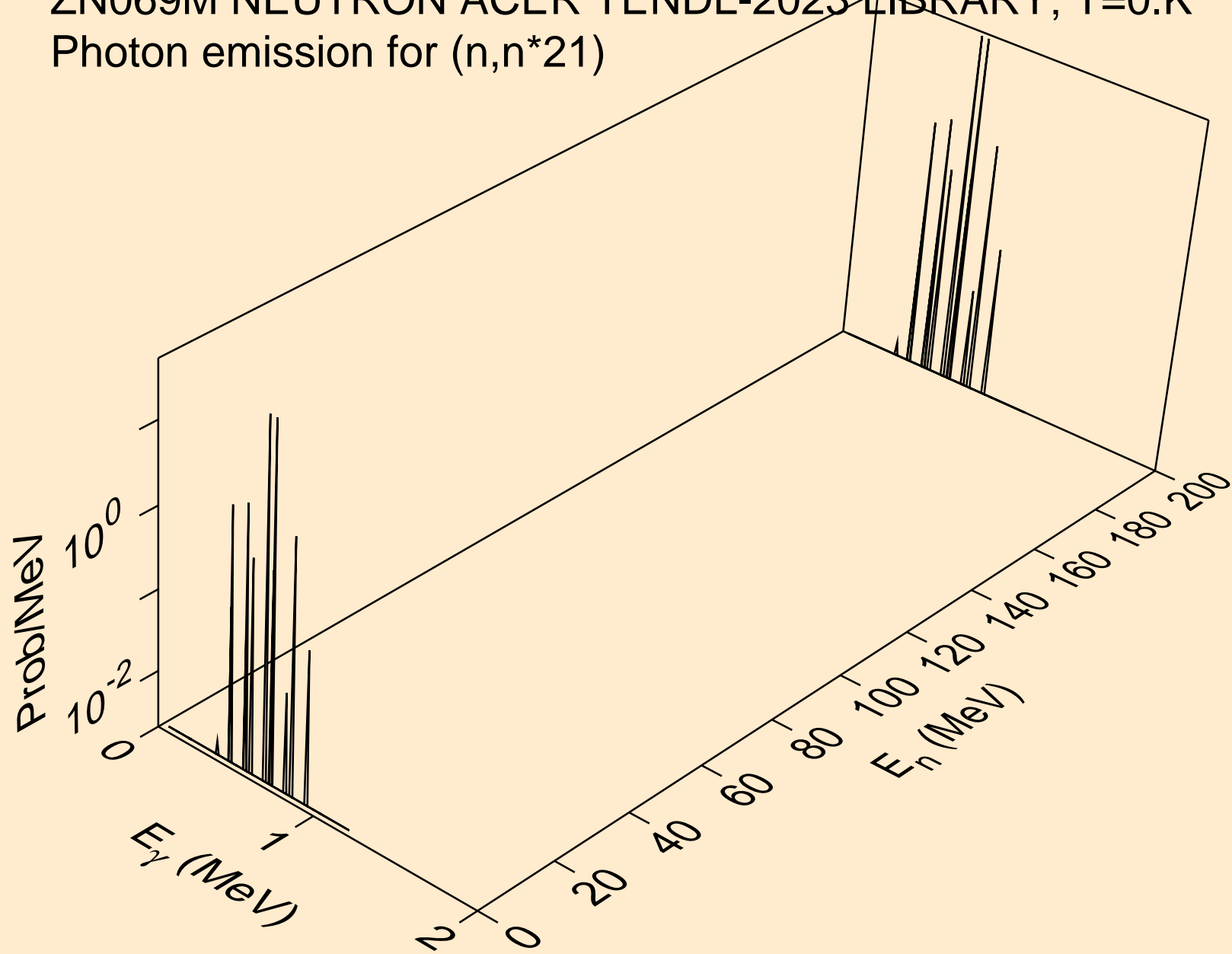
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Photon emission for (n,n\*19)



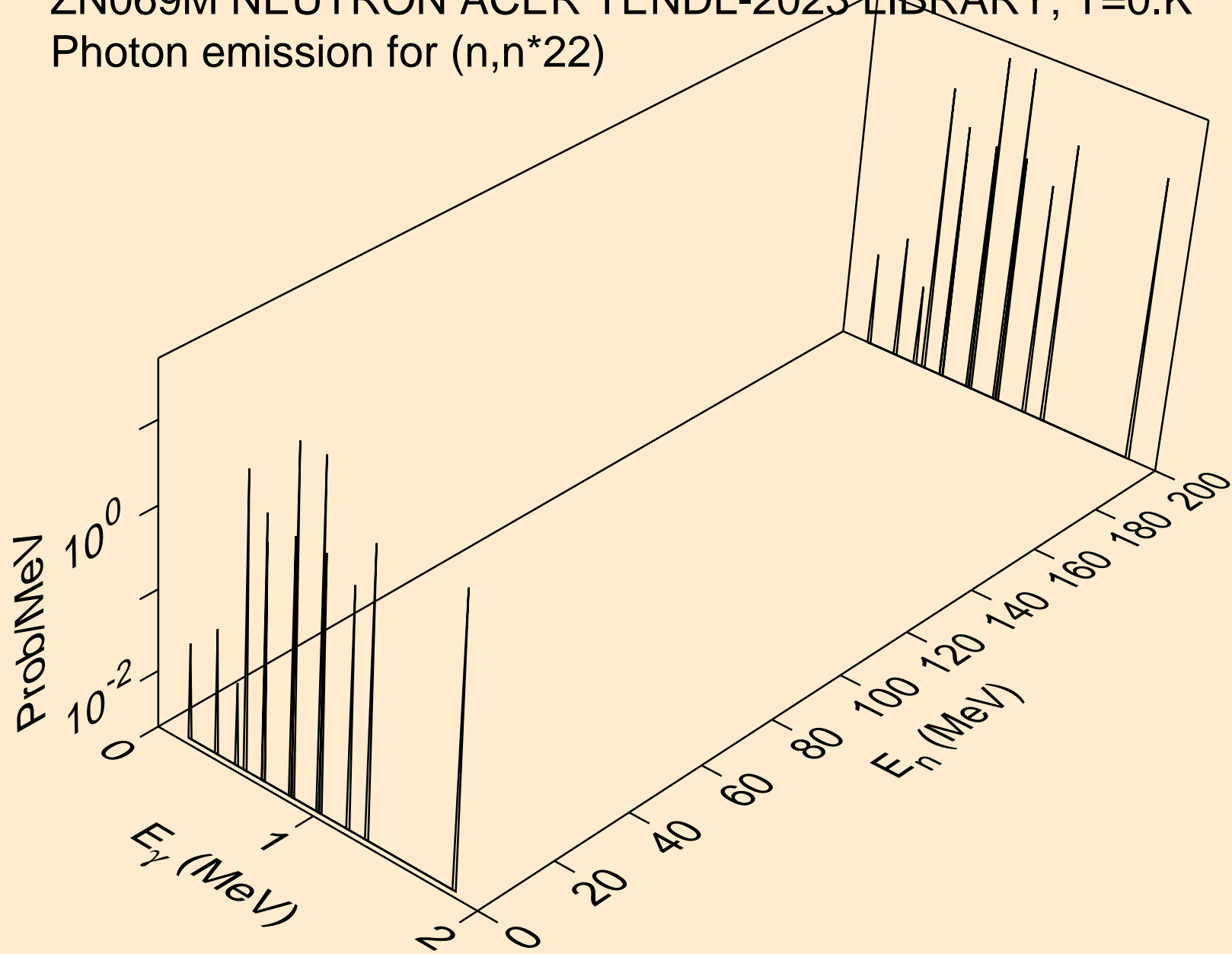
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Photon emission for (n,n\*20)



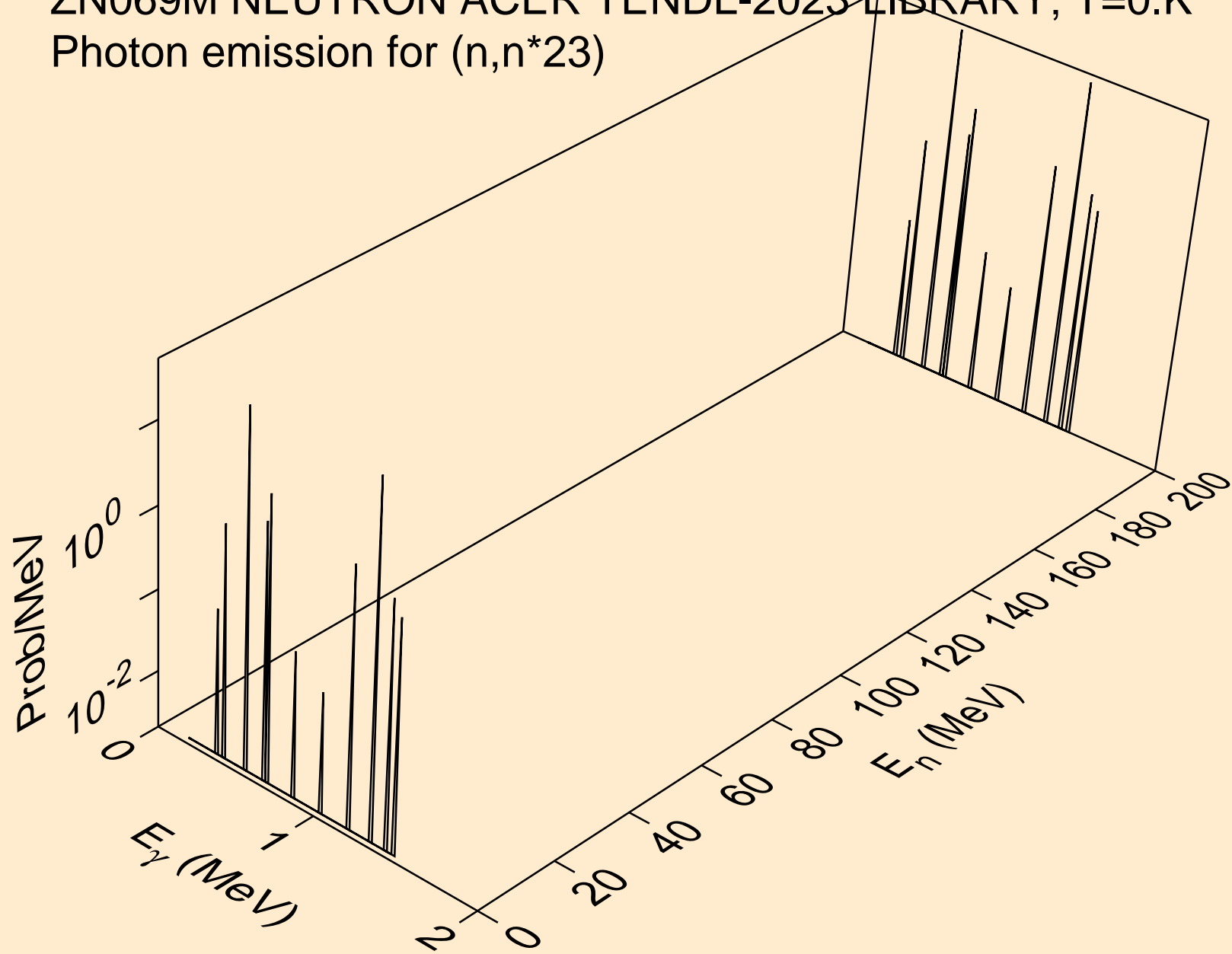
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Photon emission for (n,n\*21)



ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*22)

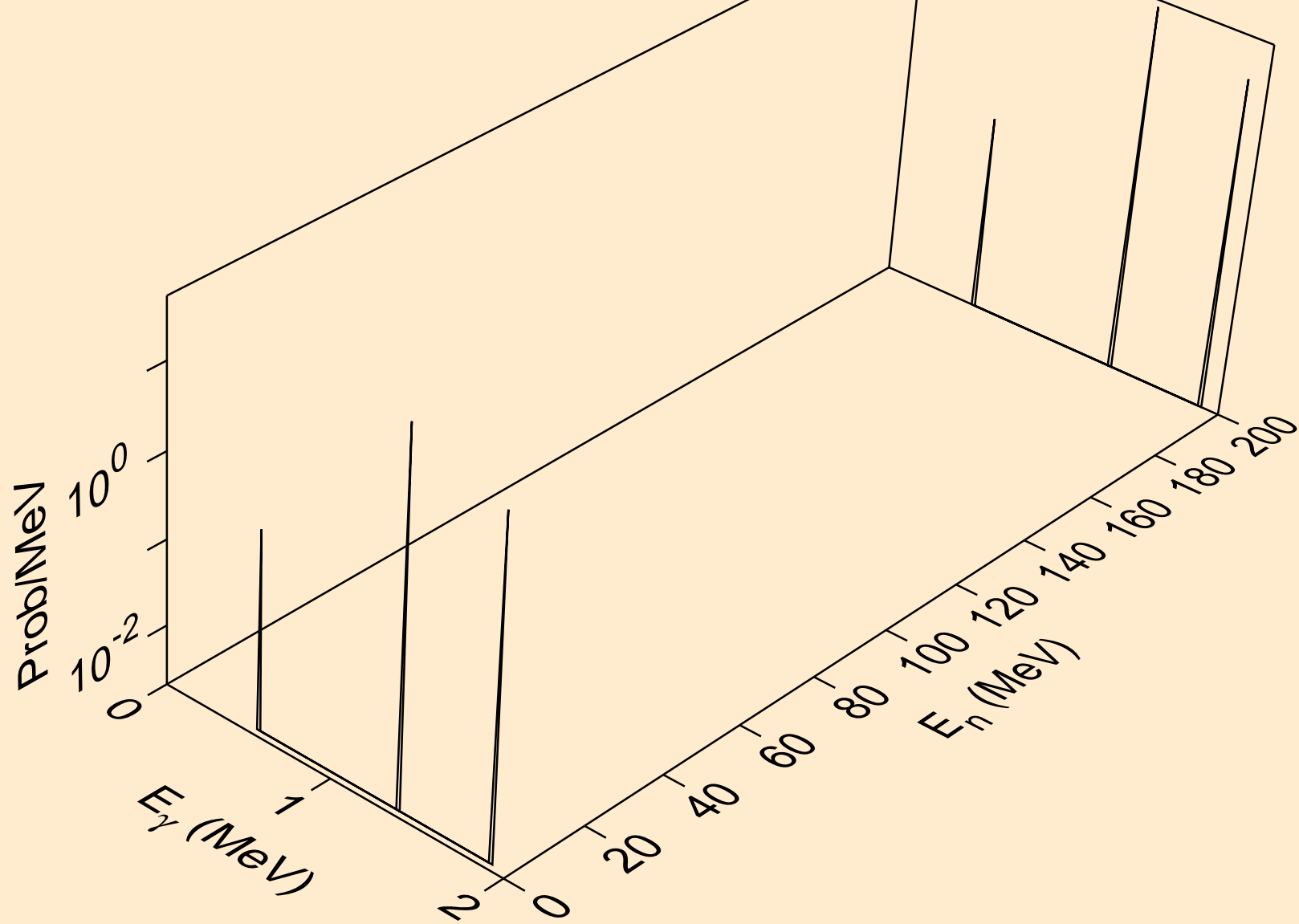


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Photon emission for (n,n\*23)

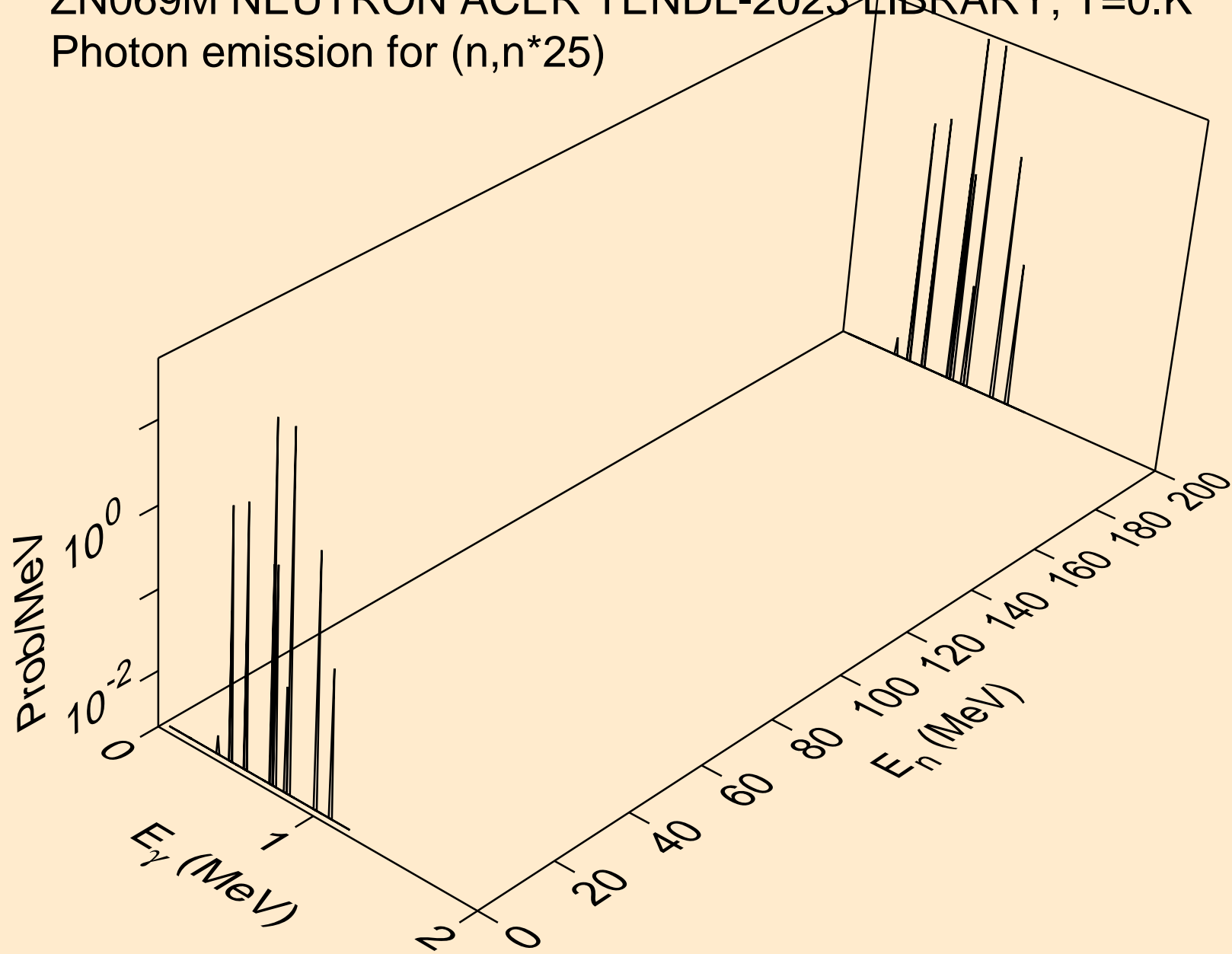




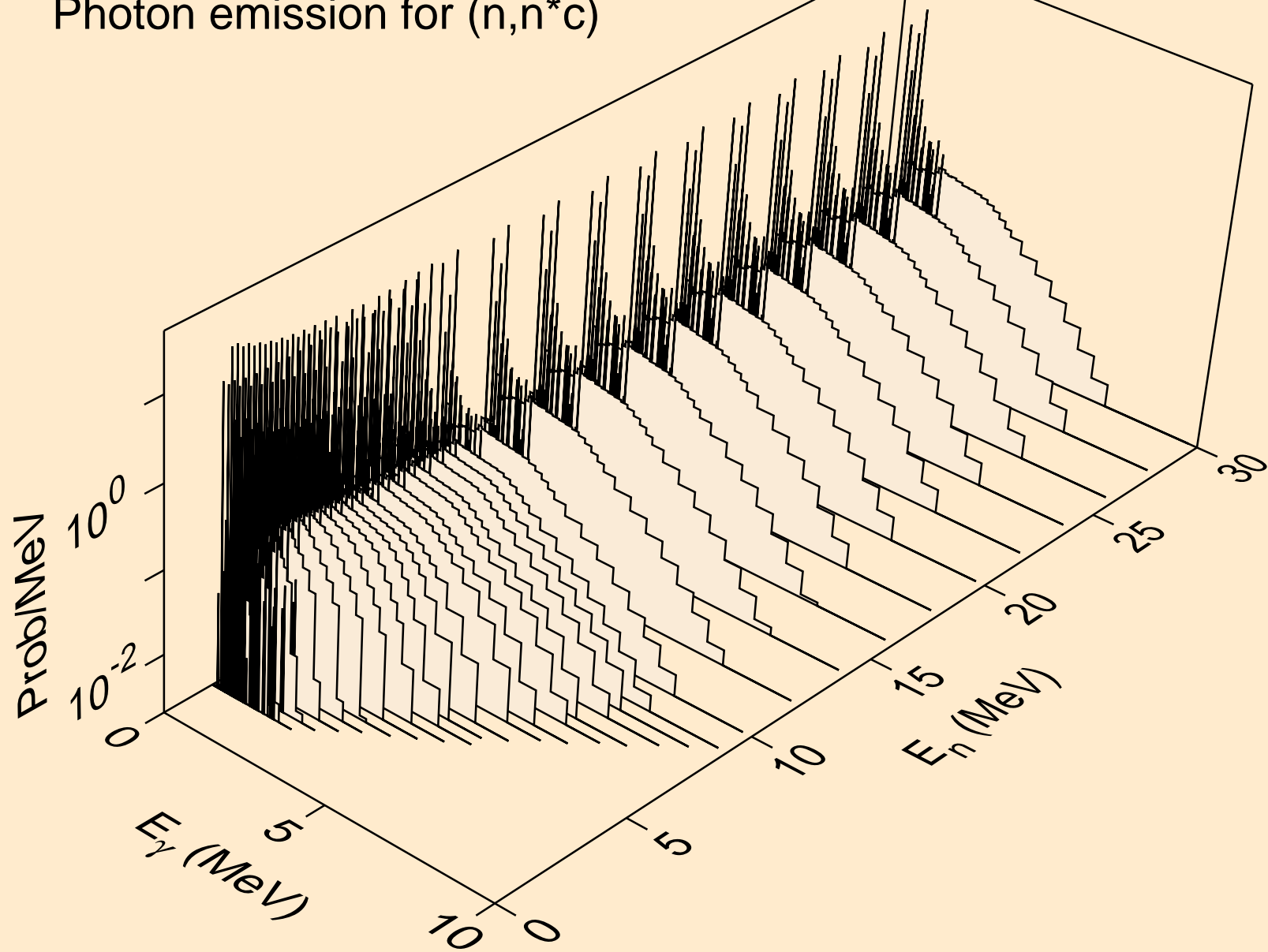
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Photon emission for (n,n\*24)



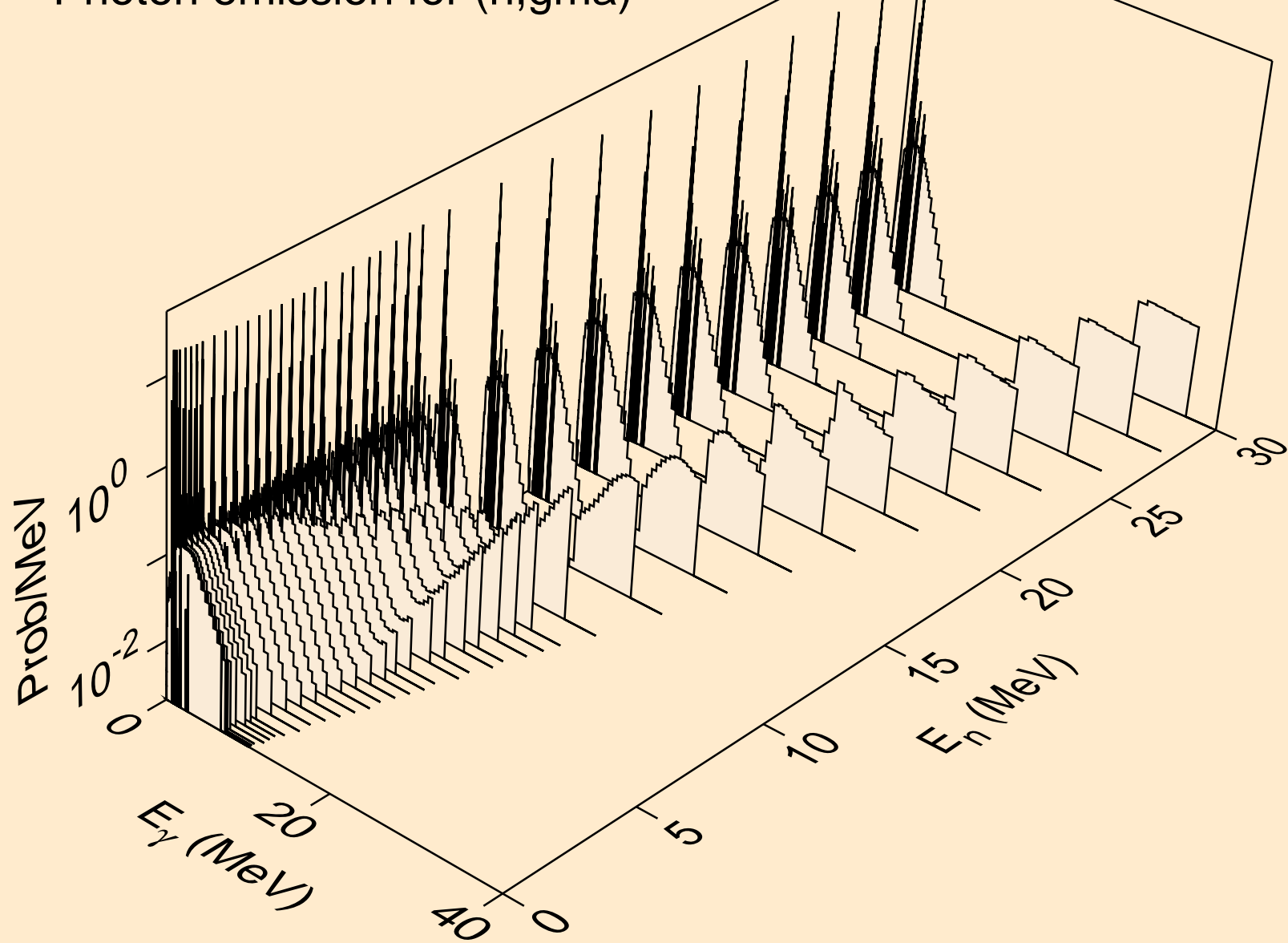
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Photon emission for (n,n\*25)



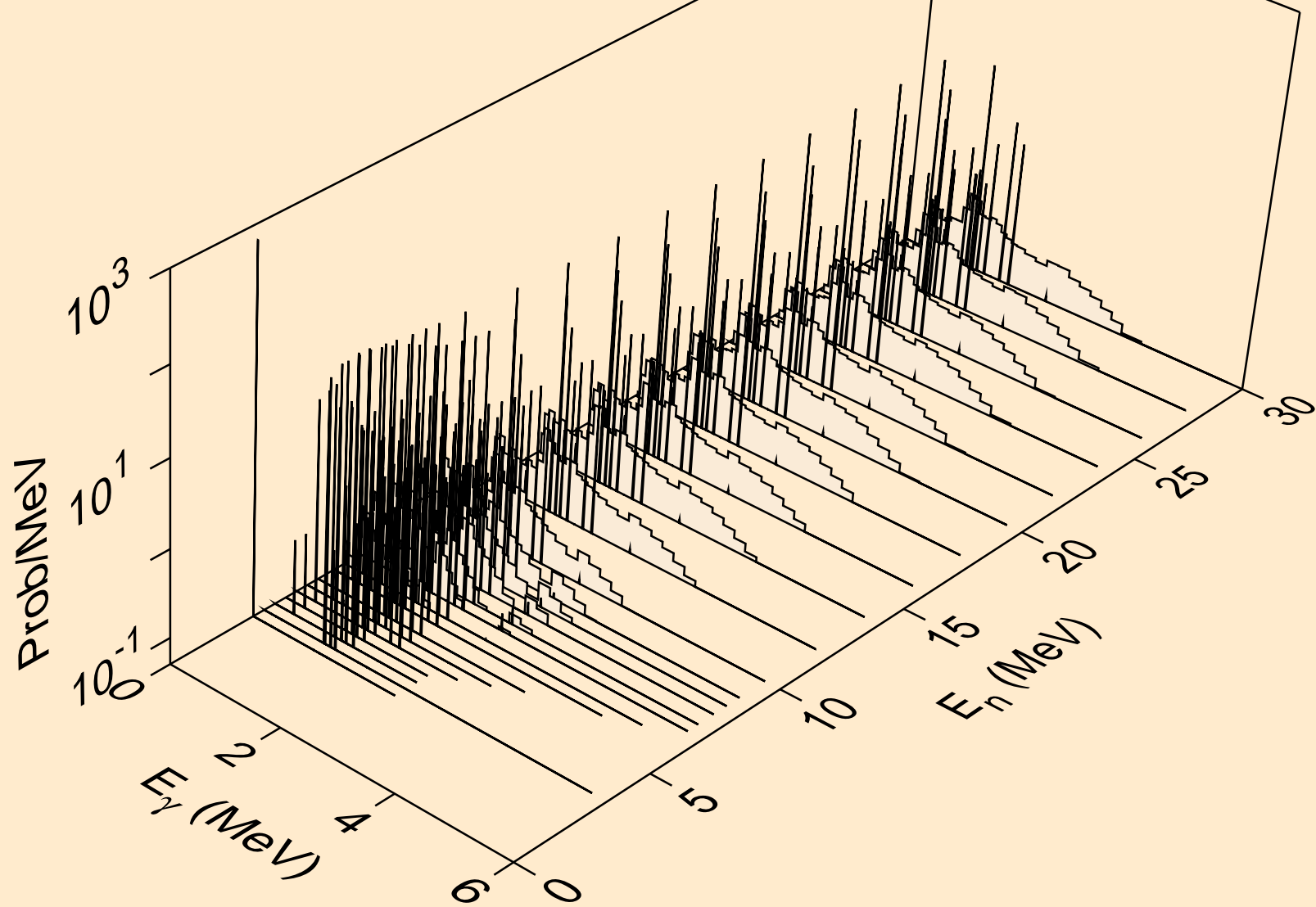
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Photon emission for (n,n\*c)



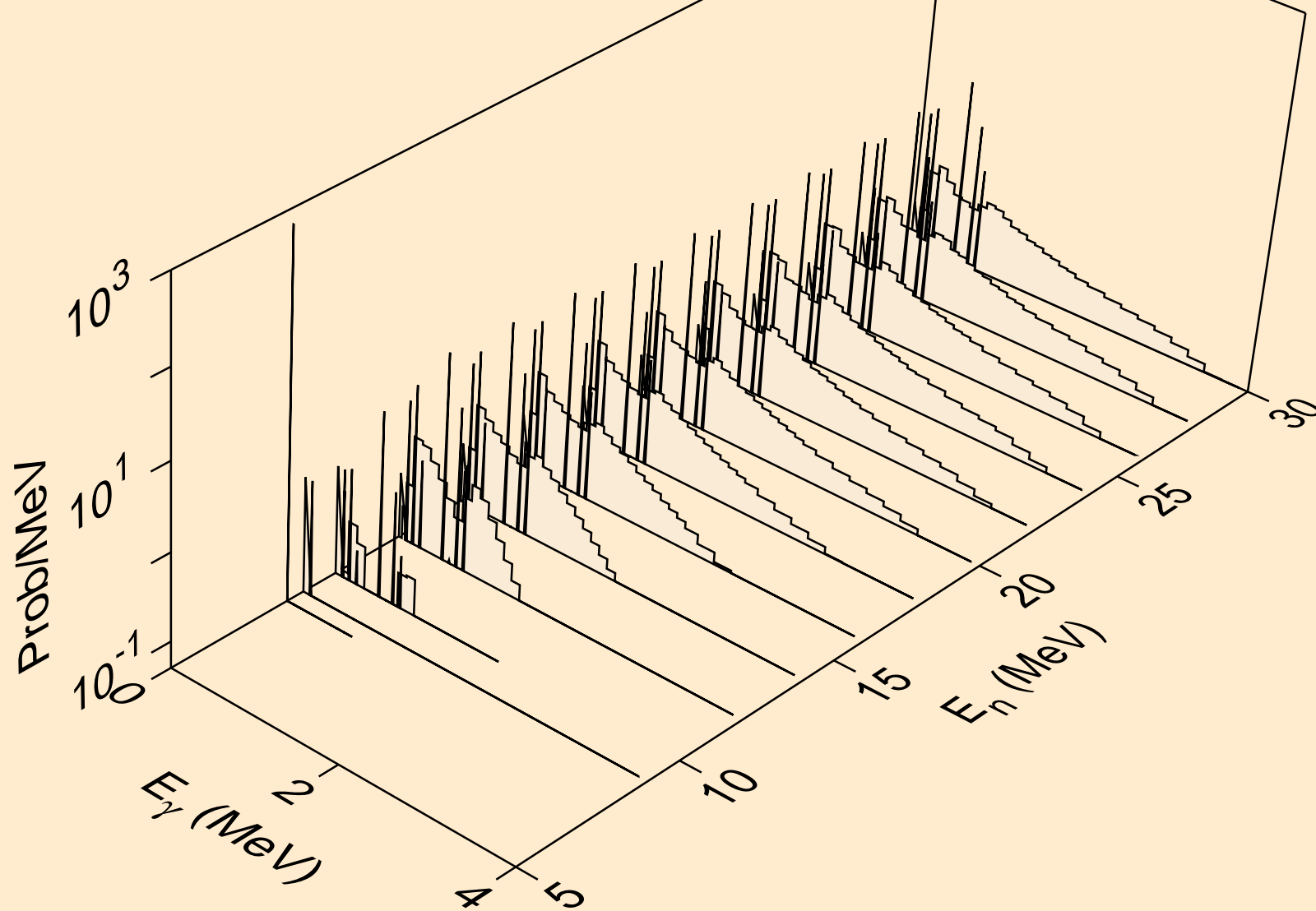
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Photon emission for (n,gma)



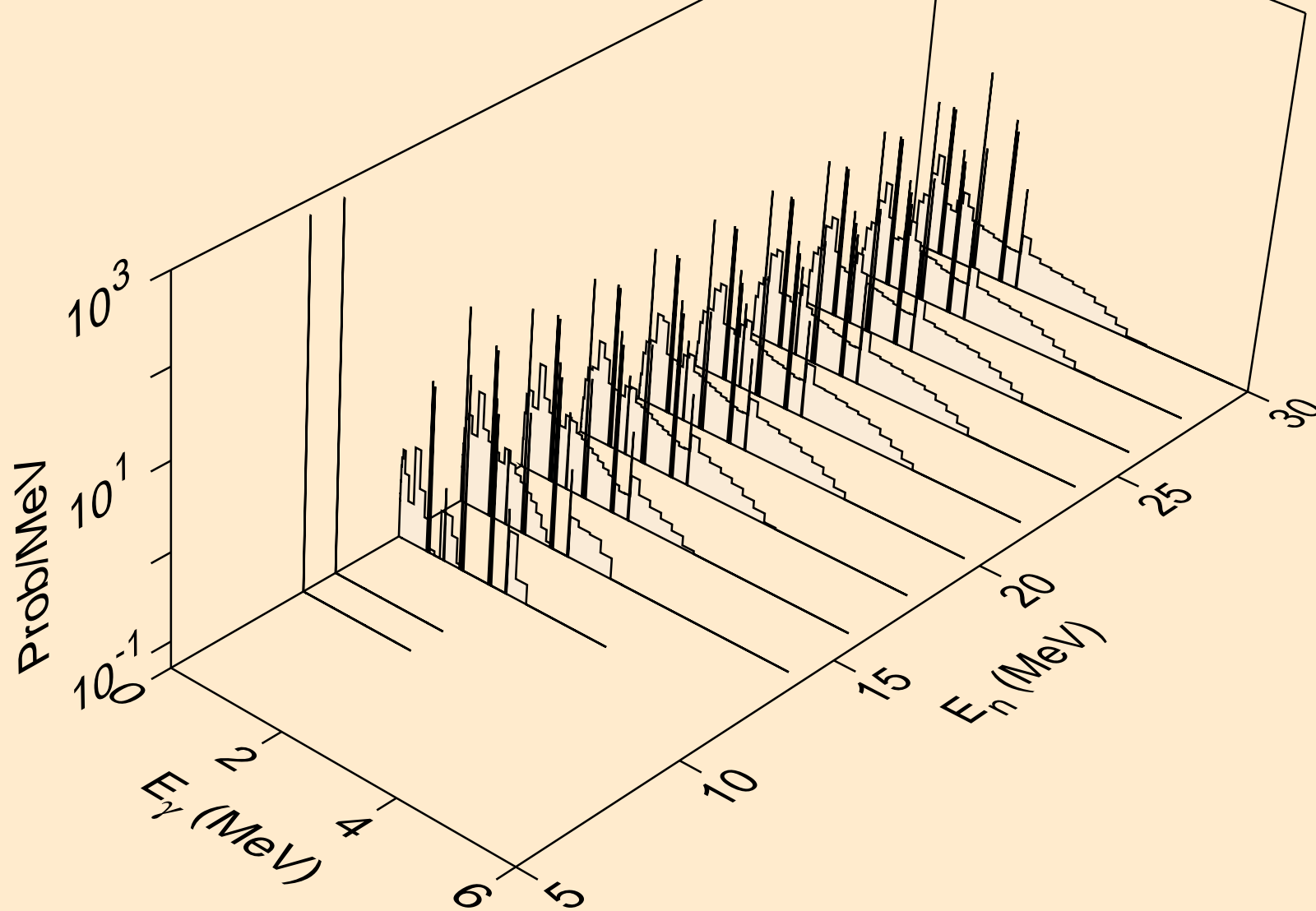
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Photon emission for (n,p)



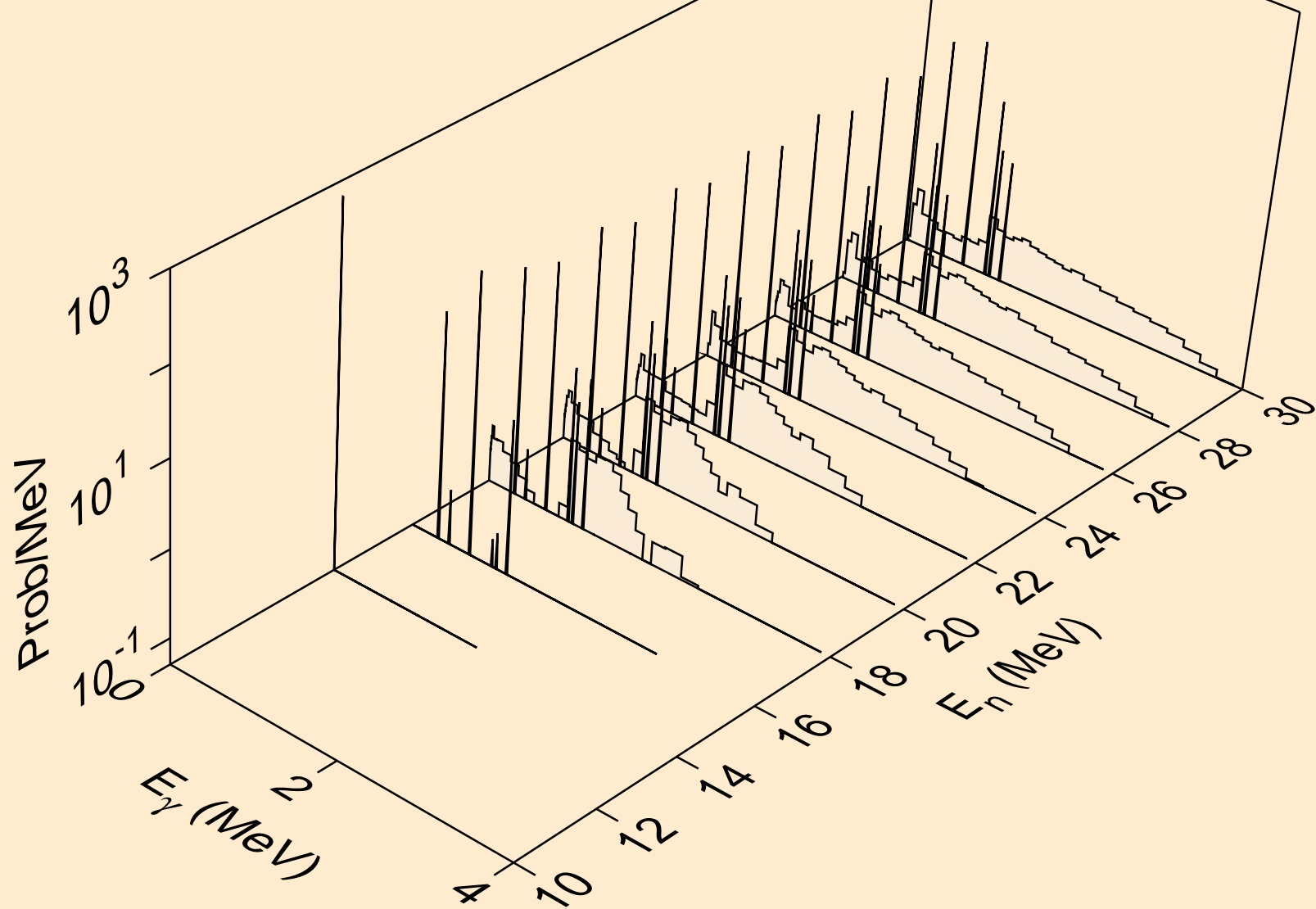
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Photon emission for (n,d)



ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

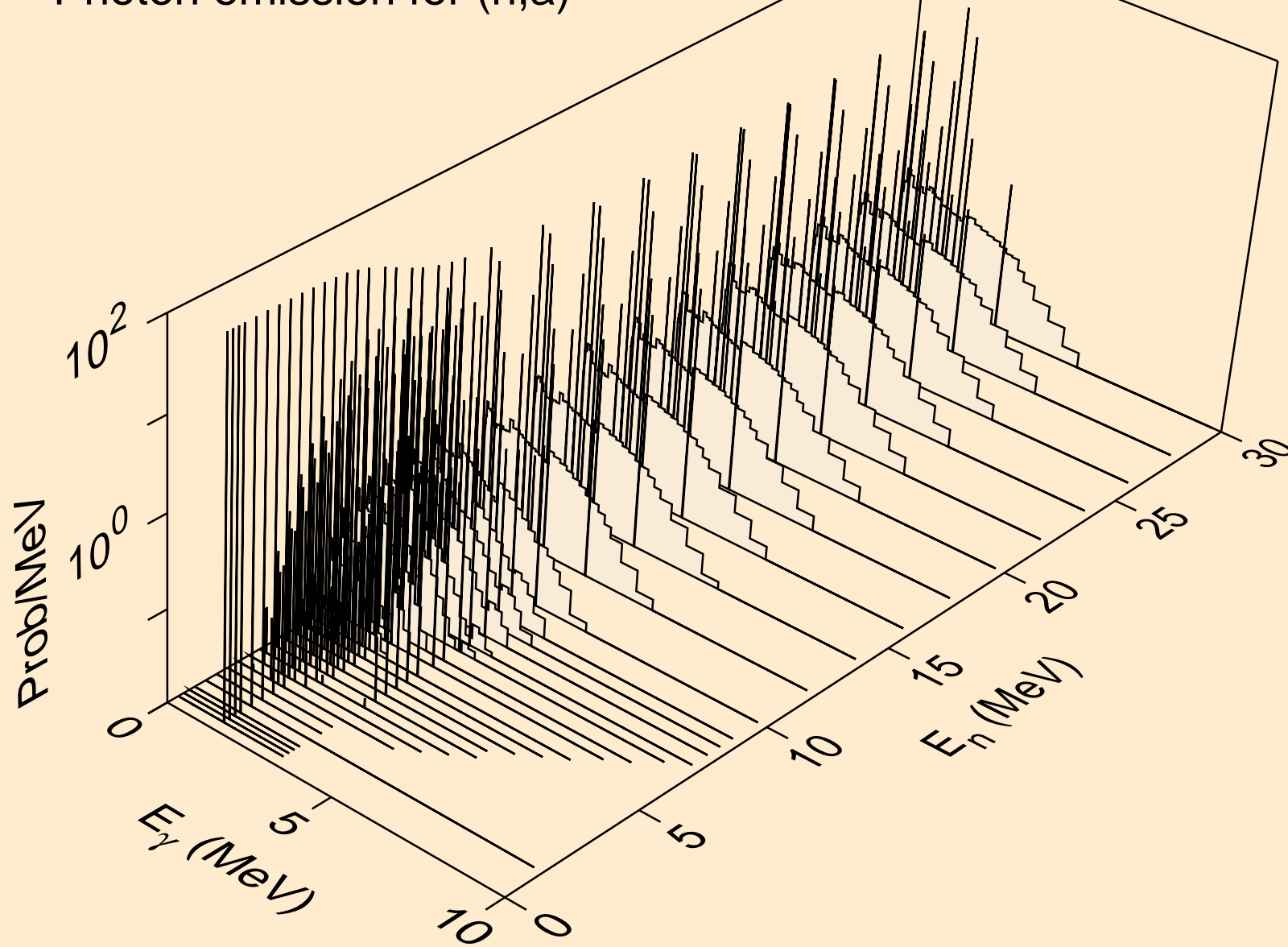


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Photon emission for (n,he3)

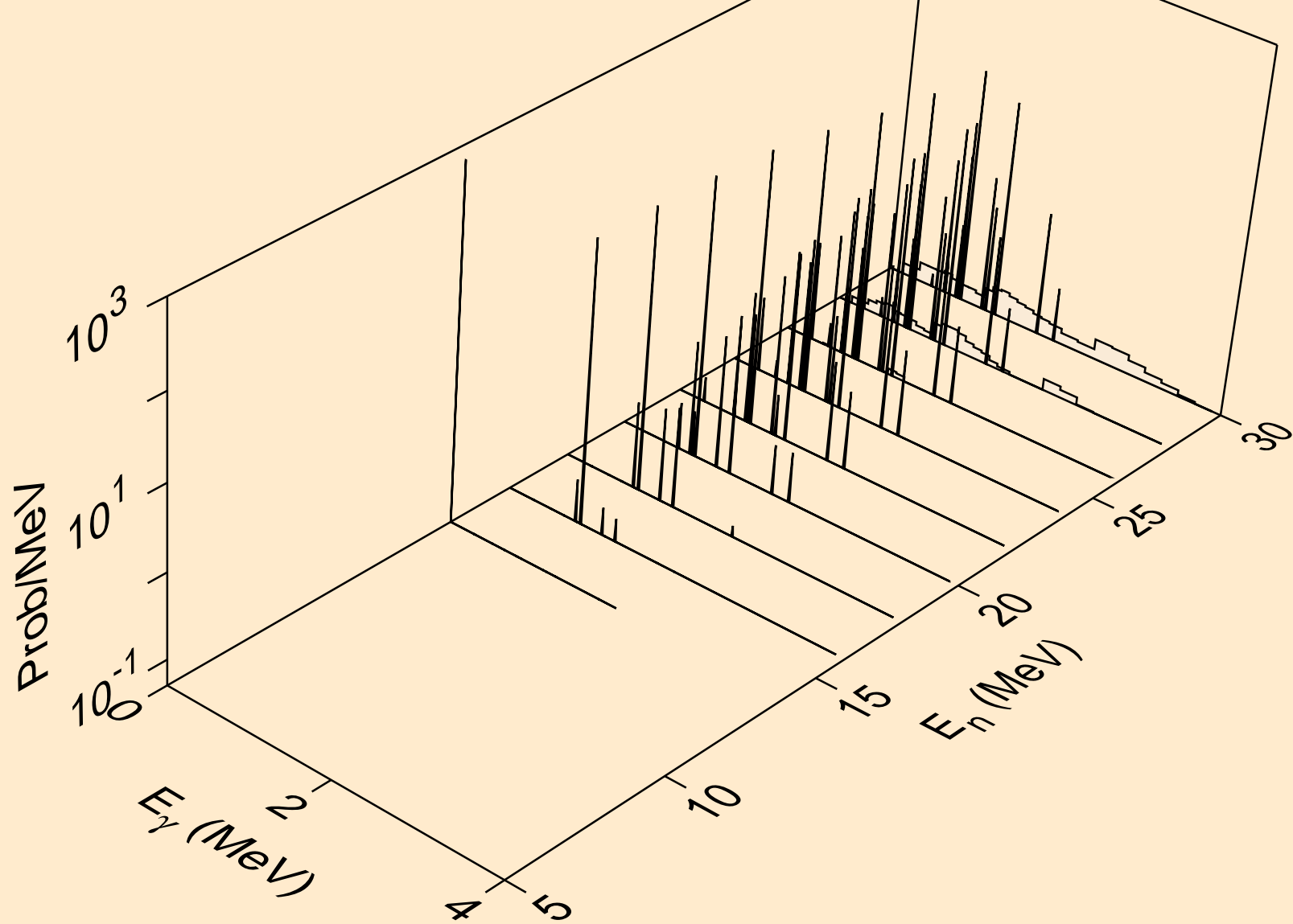




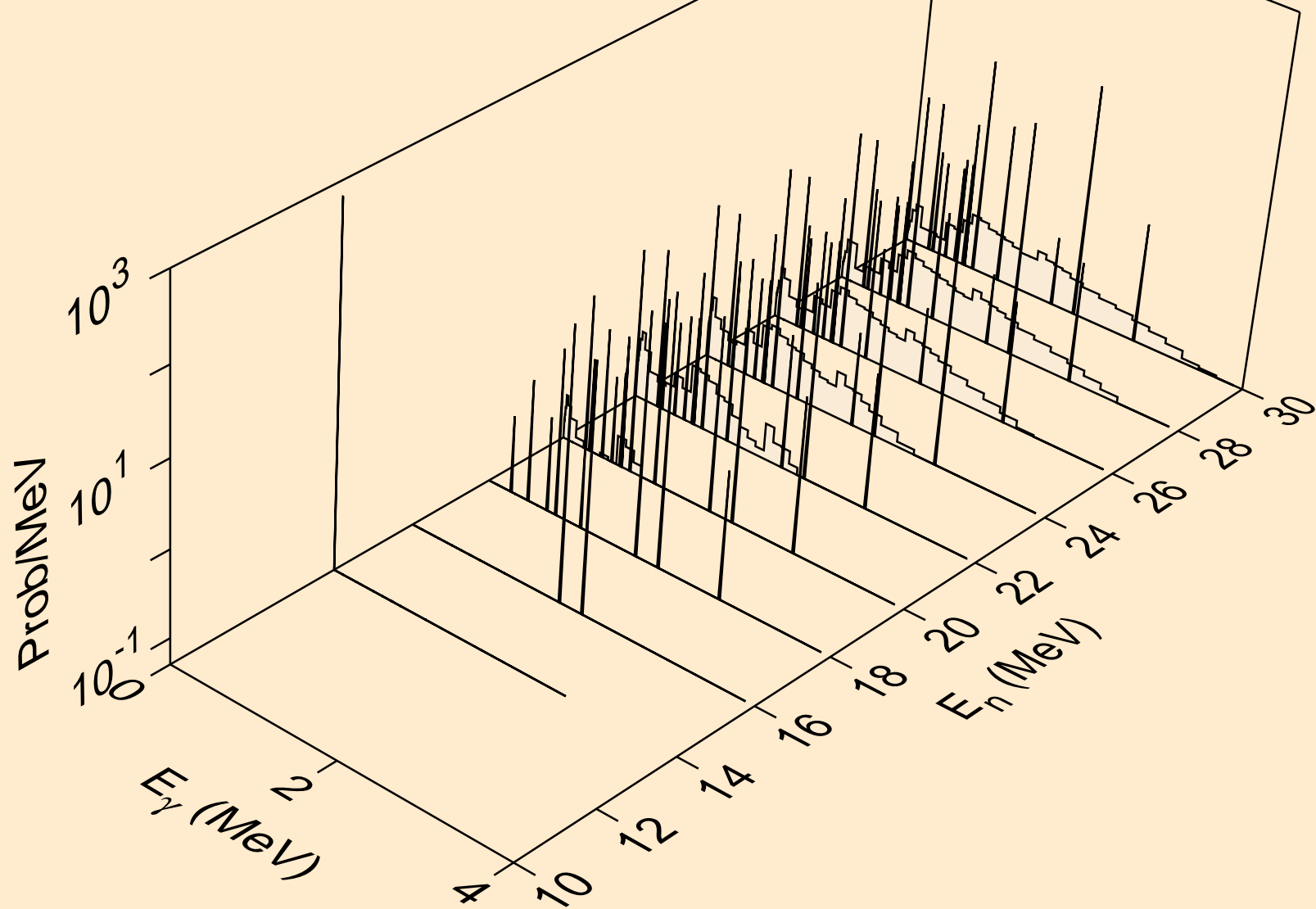
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Photon emission for (n,a)



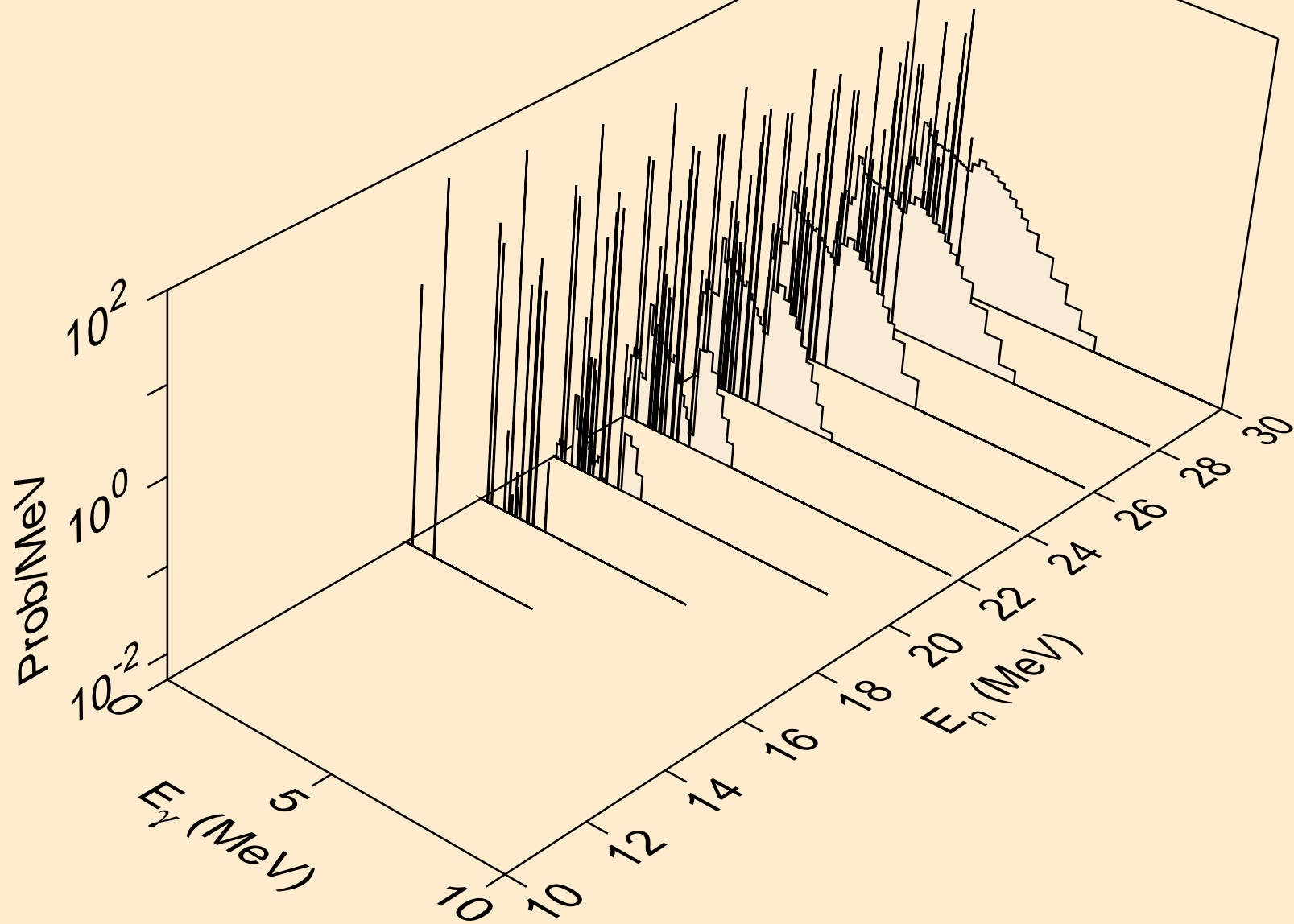
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Photon emission for (n,2a)



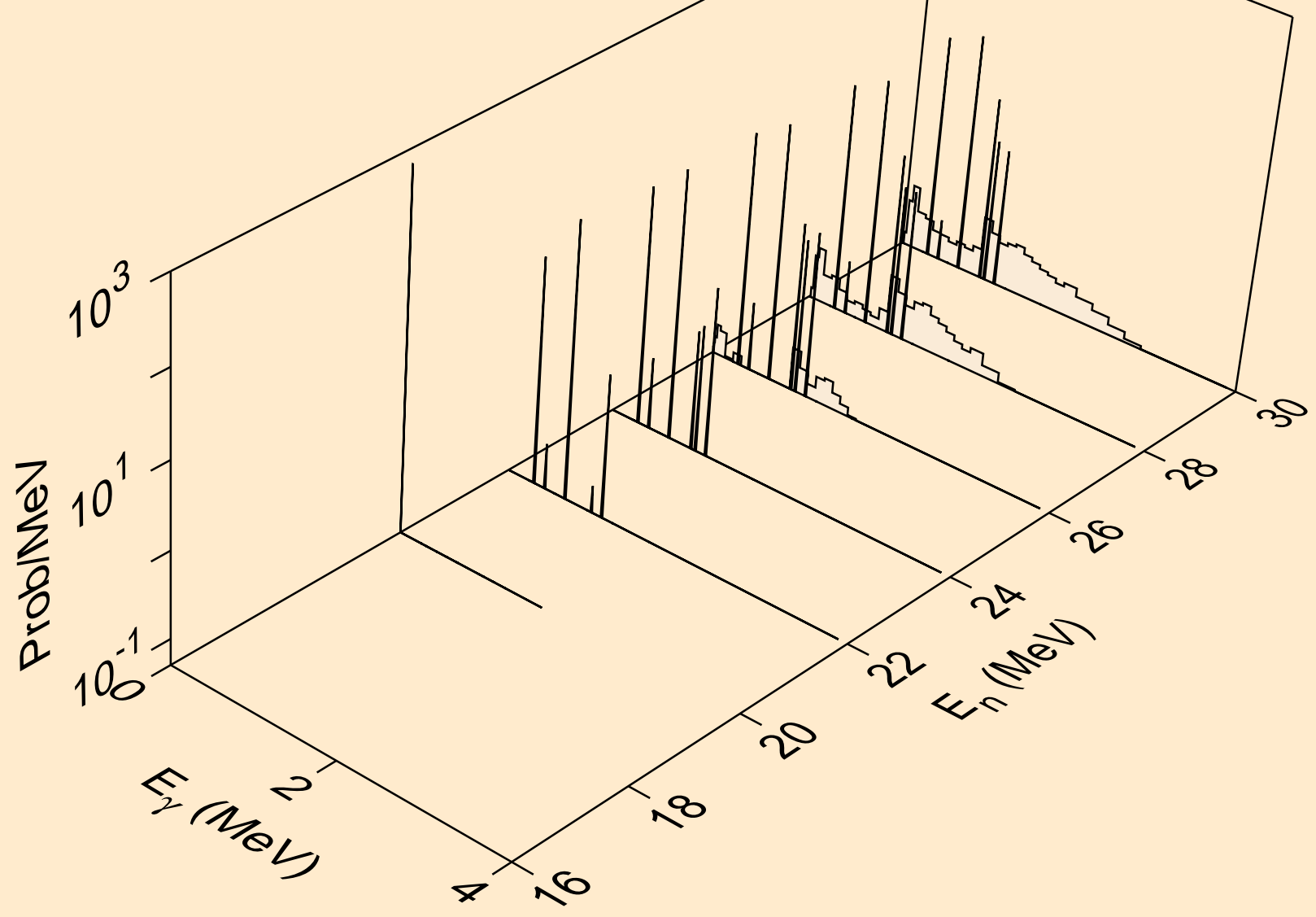
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Photon emission for (n,2p)



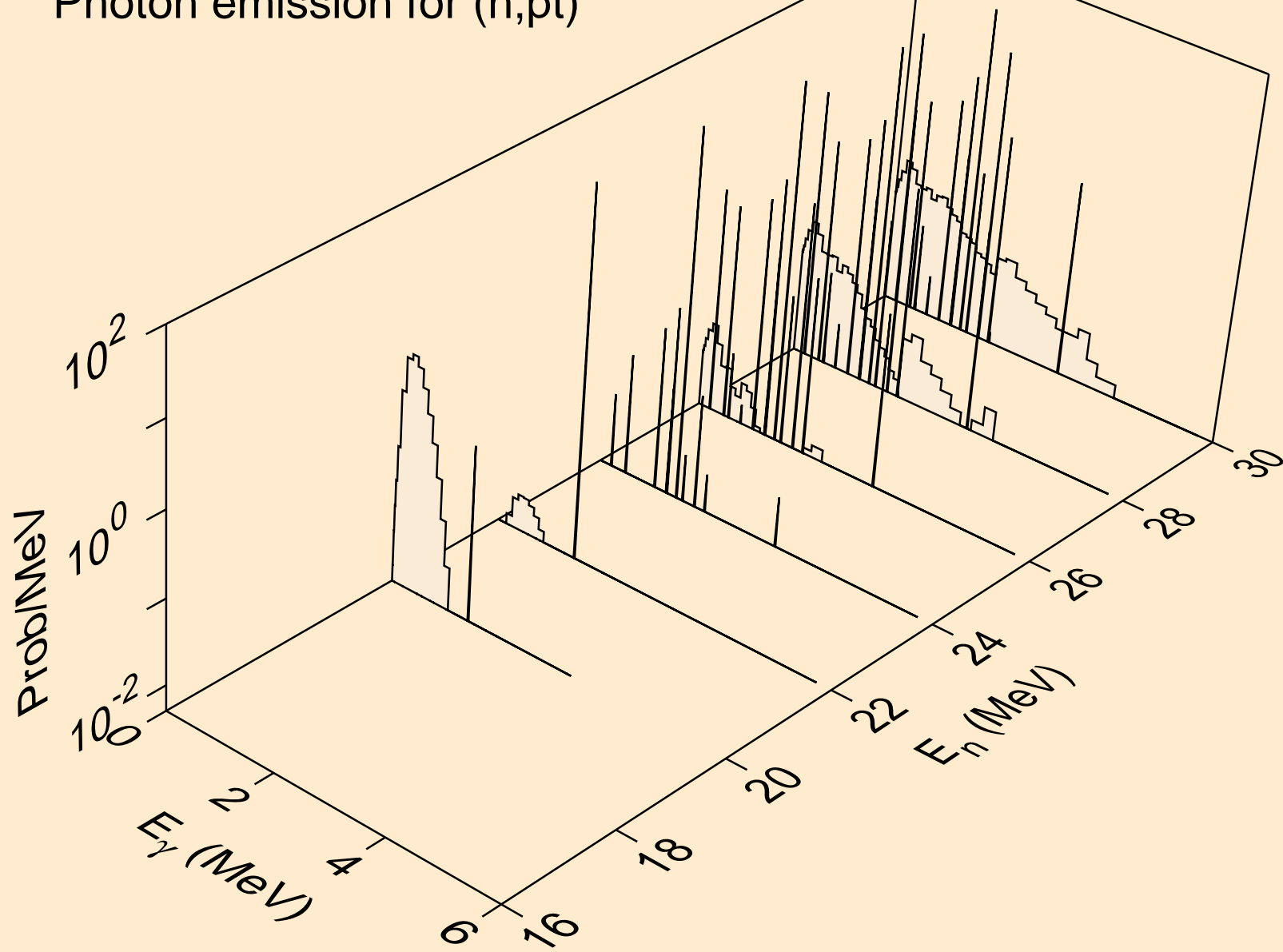
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Photon emission for (n,p $\alpha$ )



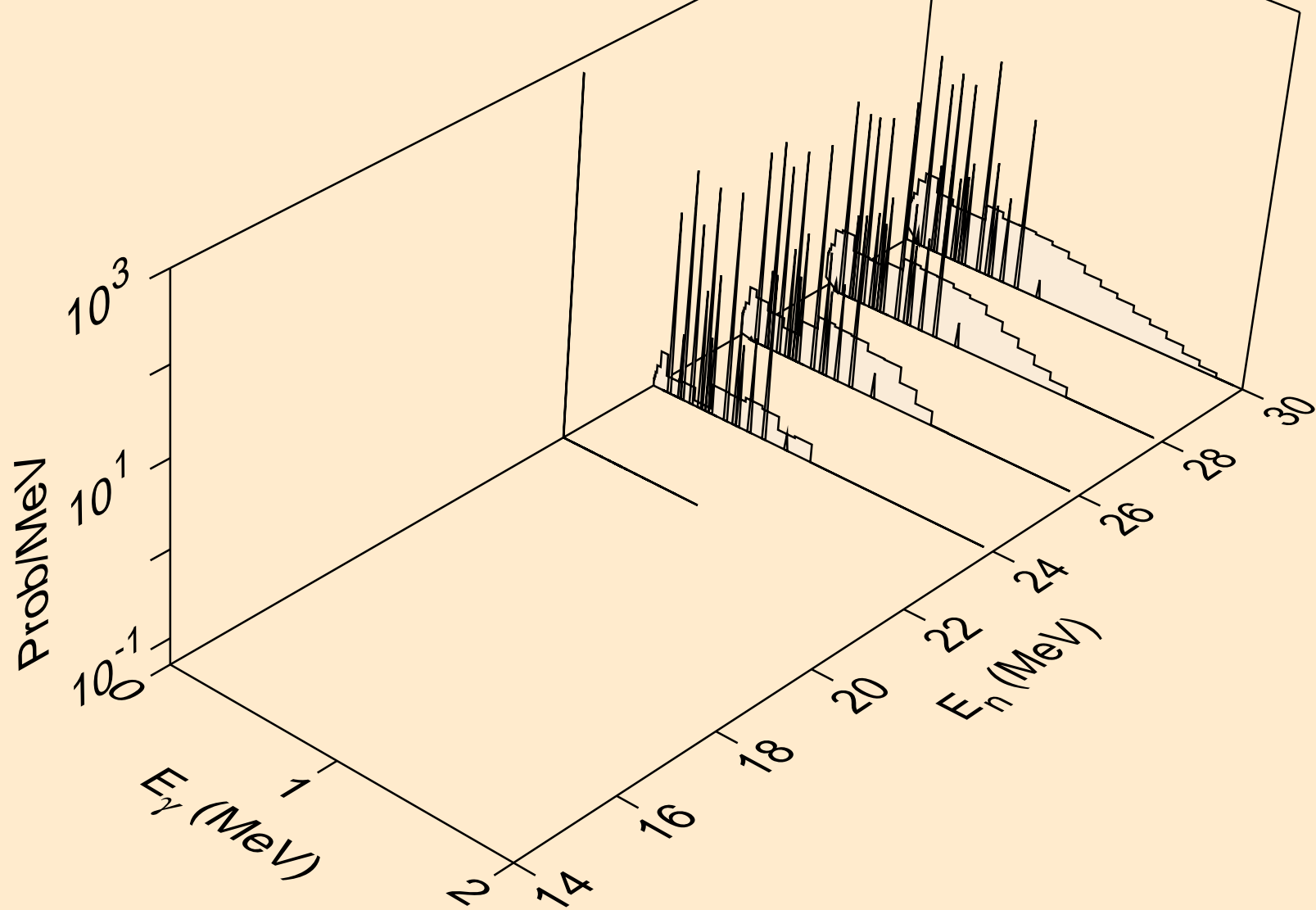
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Photon emission for (n,pd)



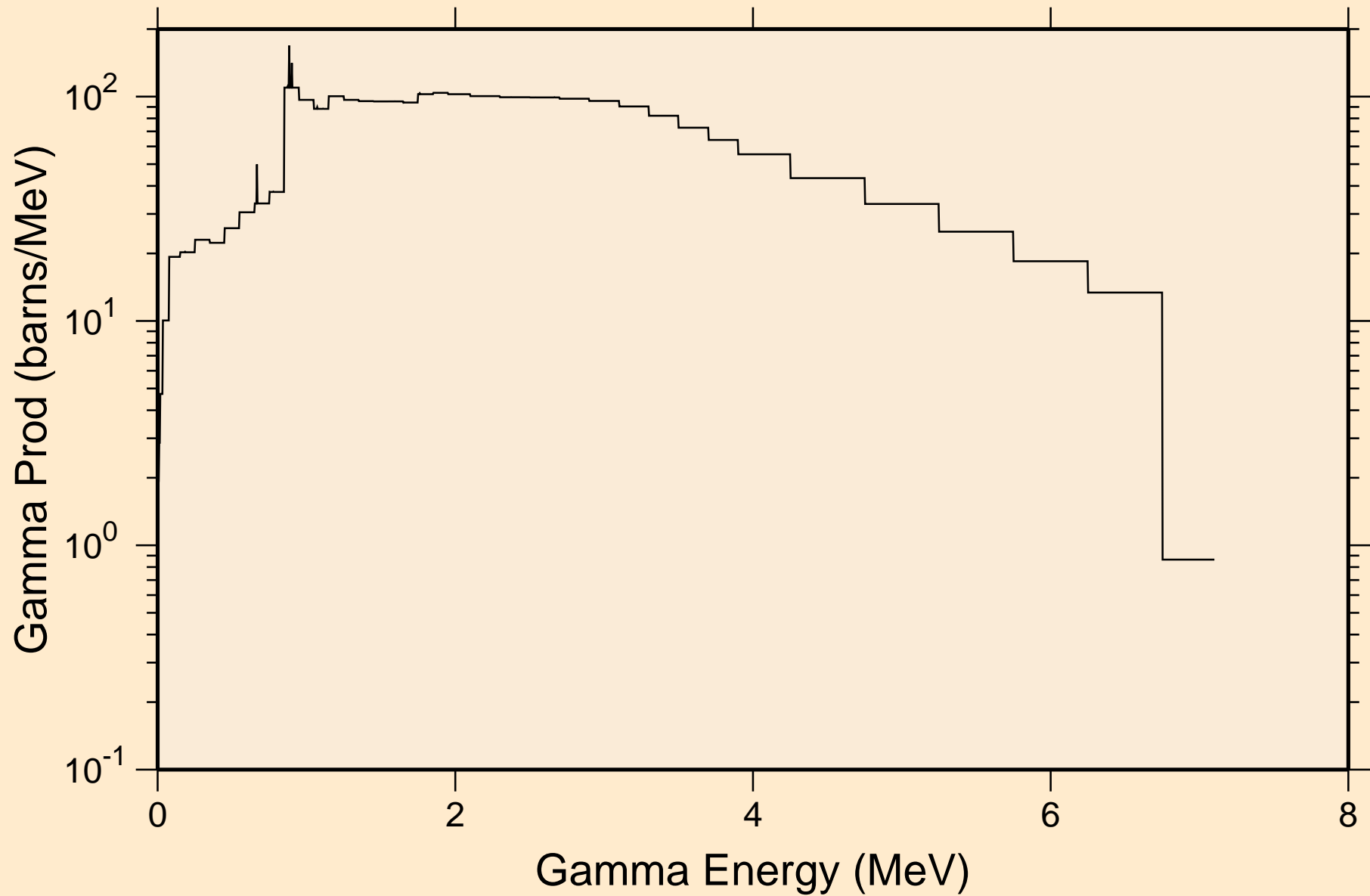
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Photon emission for (n,pt)



ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

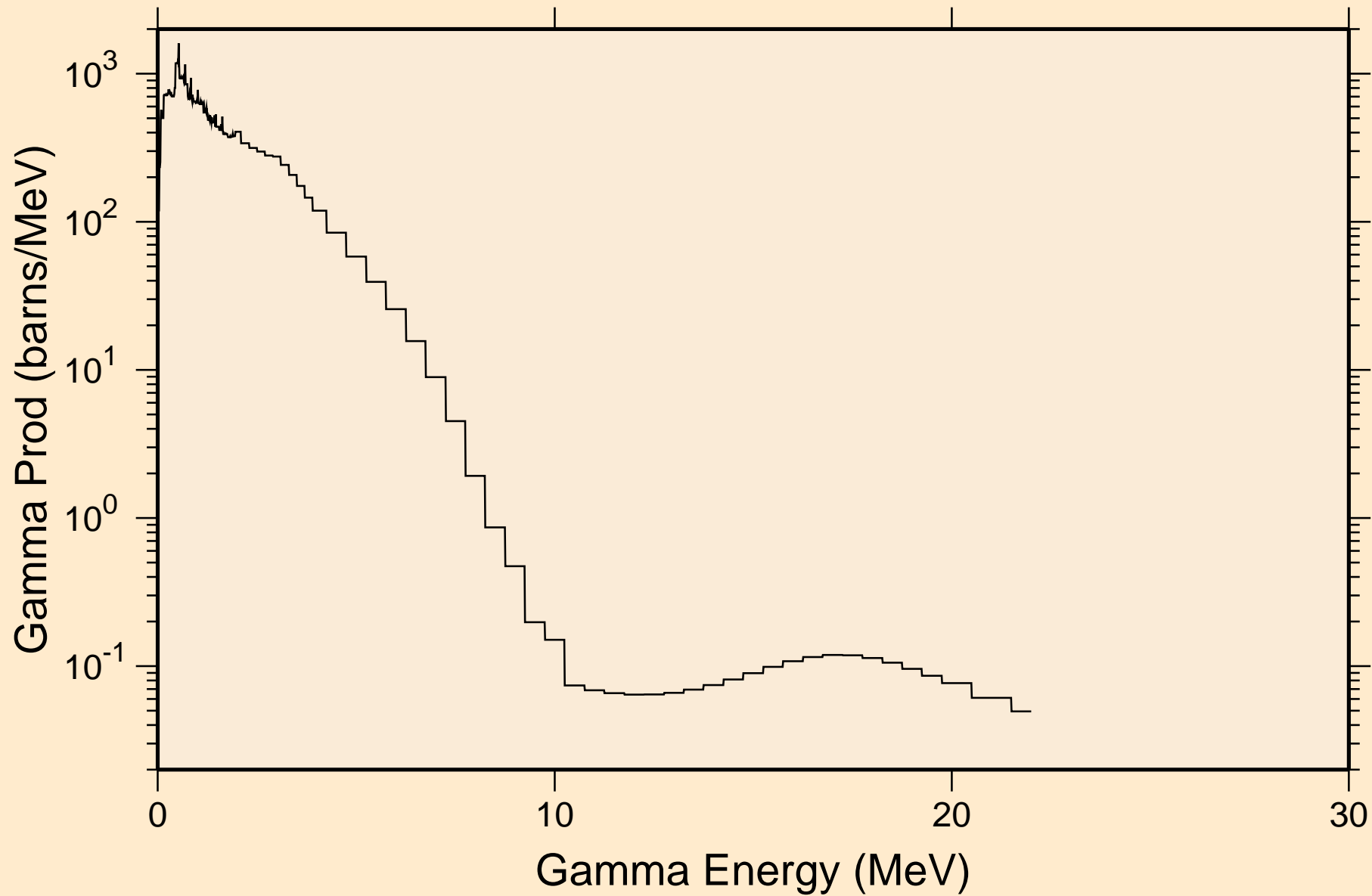


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thermal capture photon spectrum



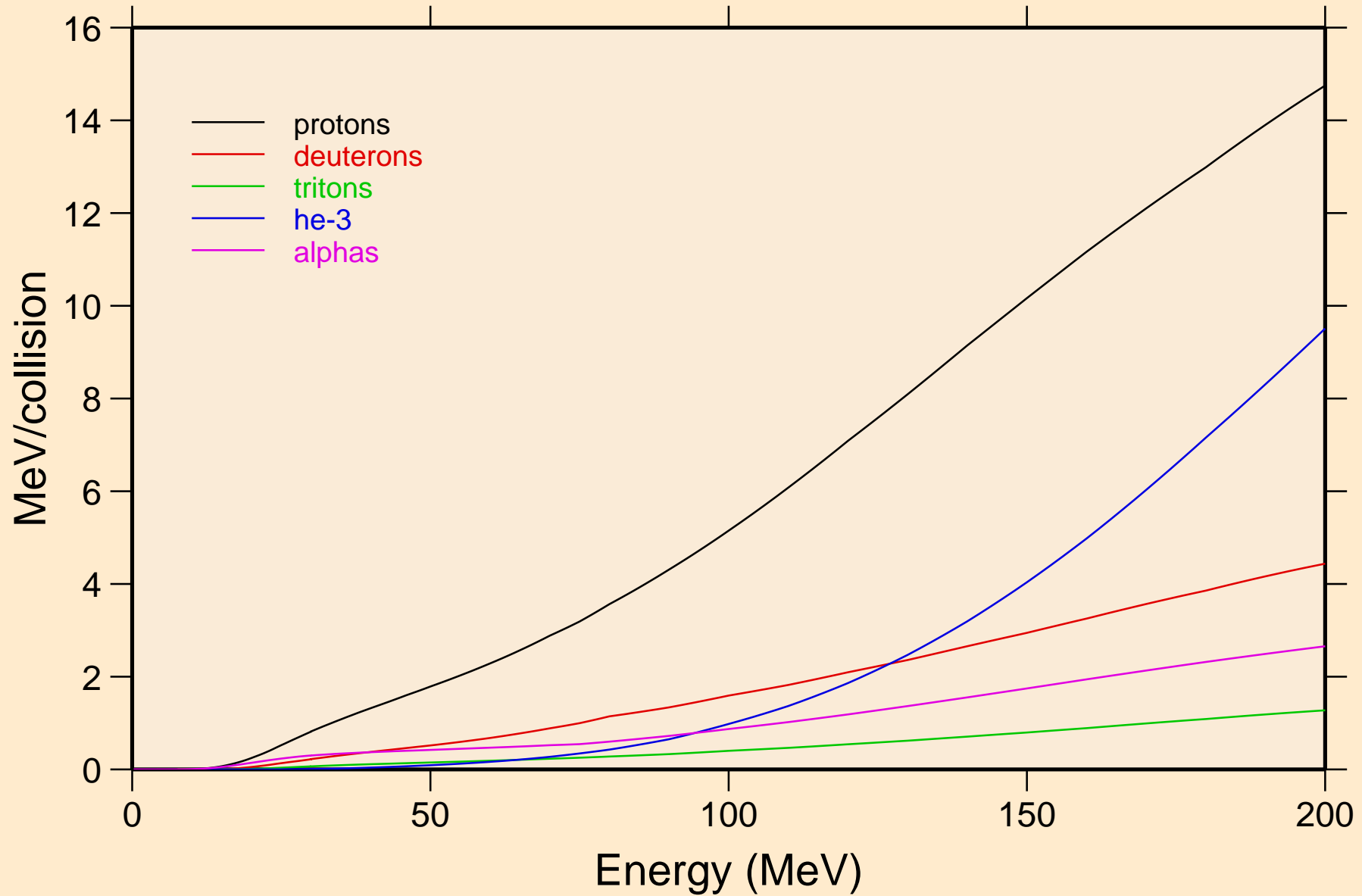


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14 MeV photon spectrum

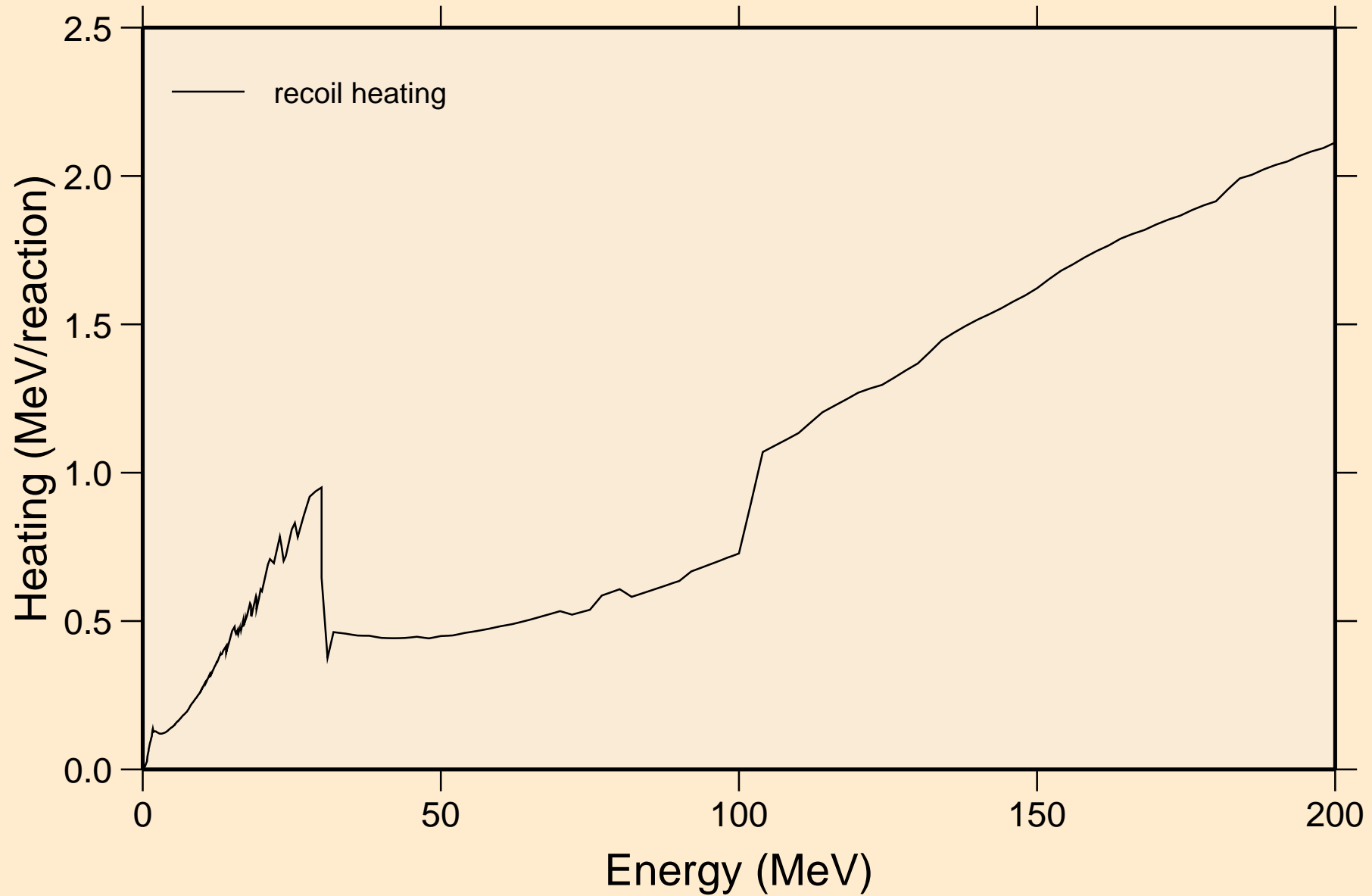


# ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

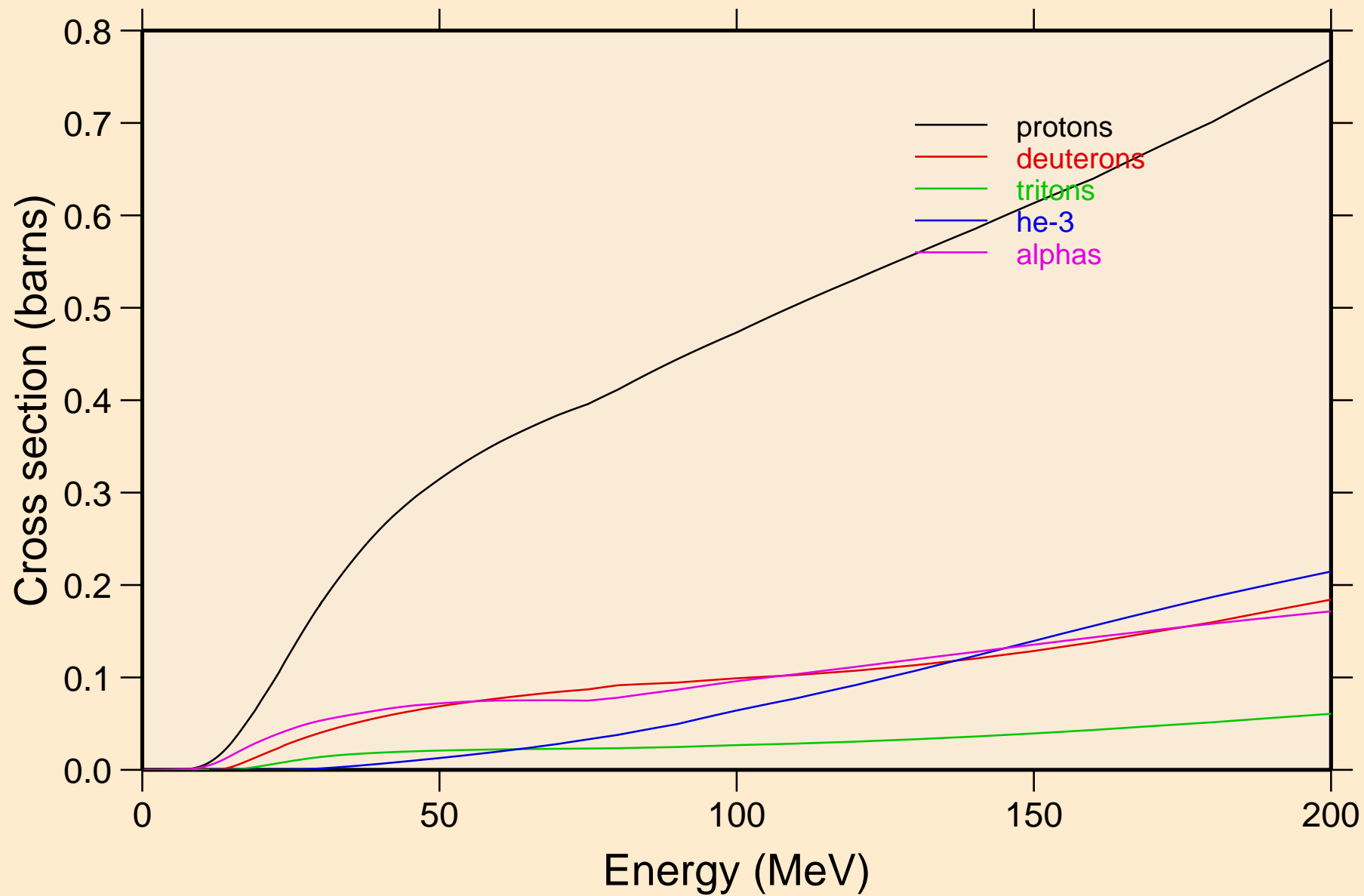


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Recoil Heating

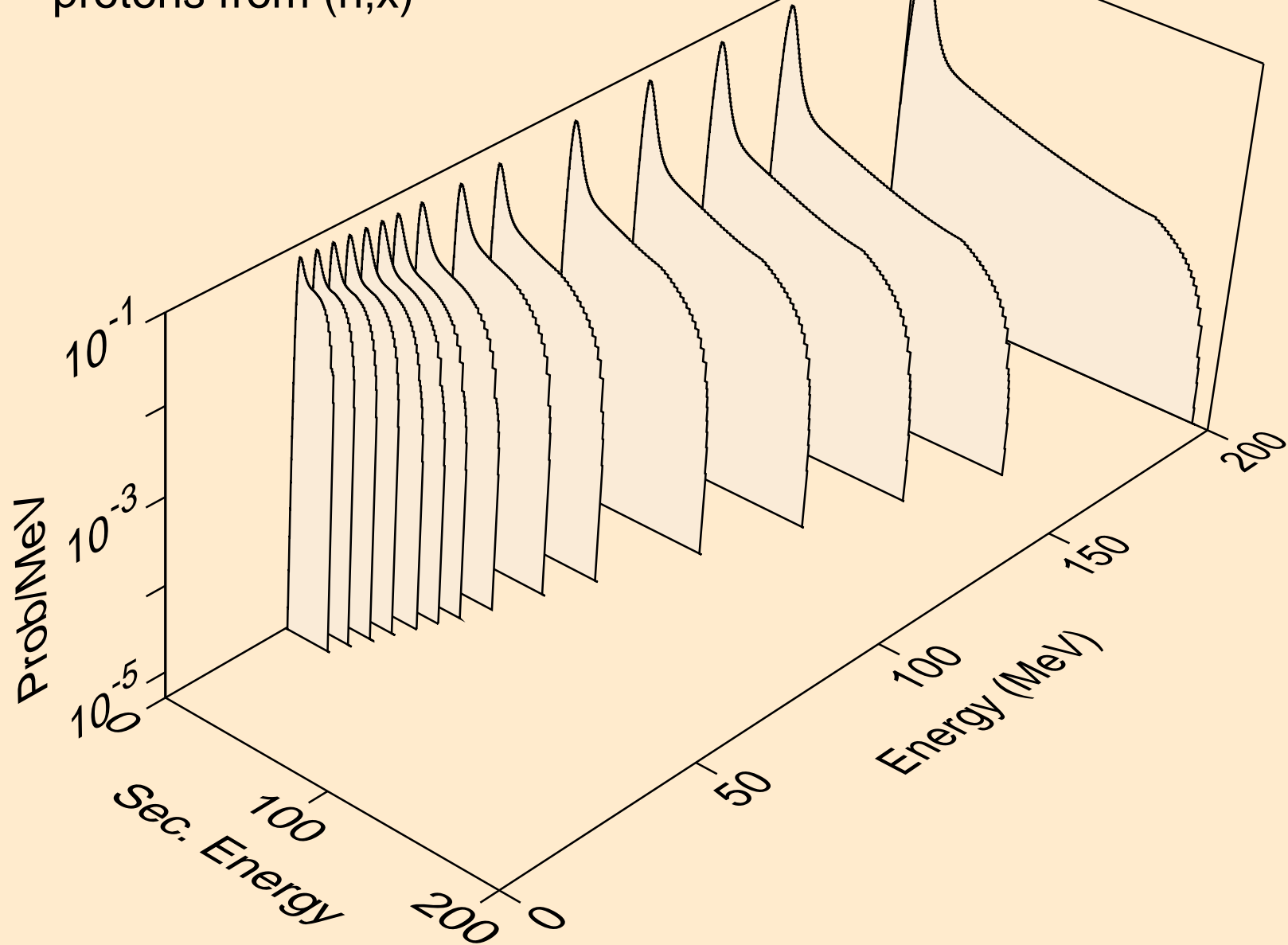


# ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

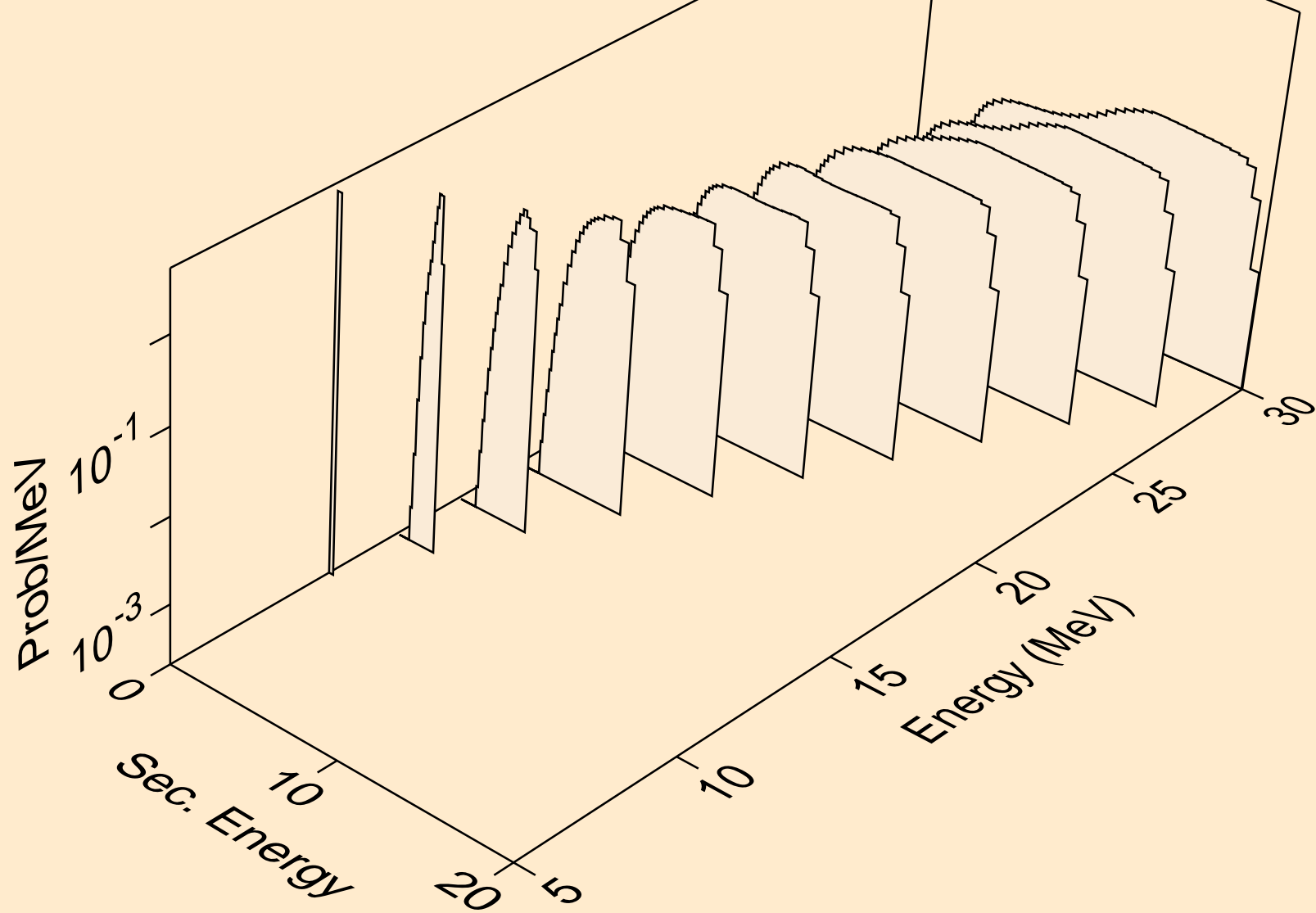
## Particle production cross sections



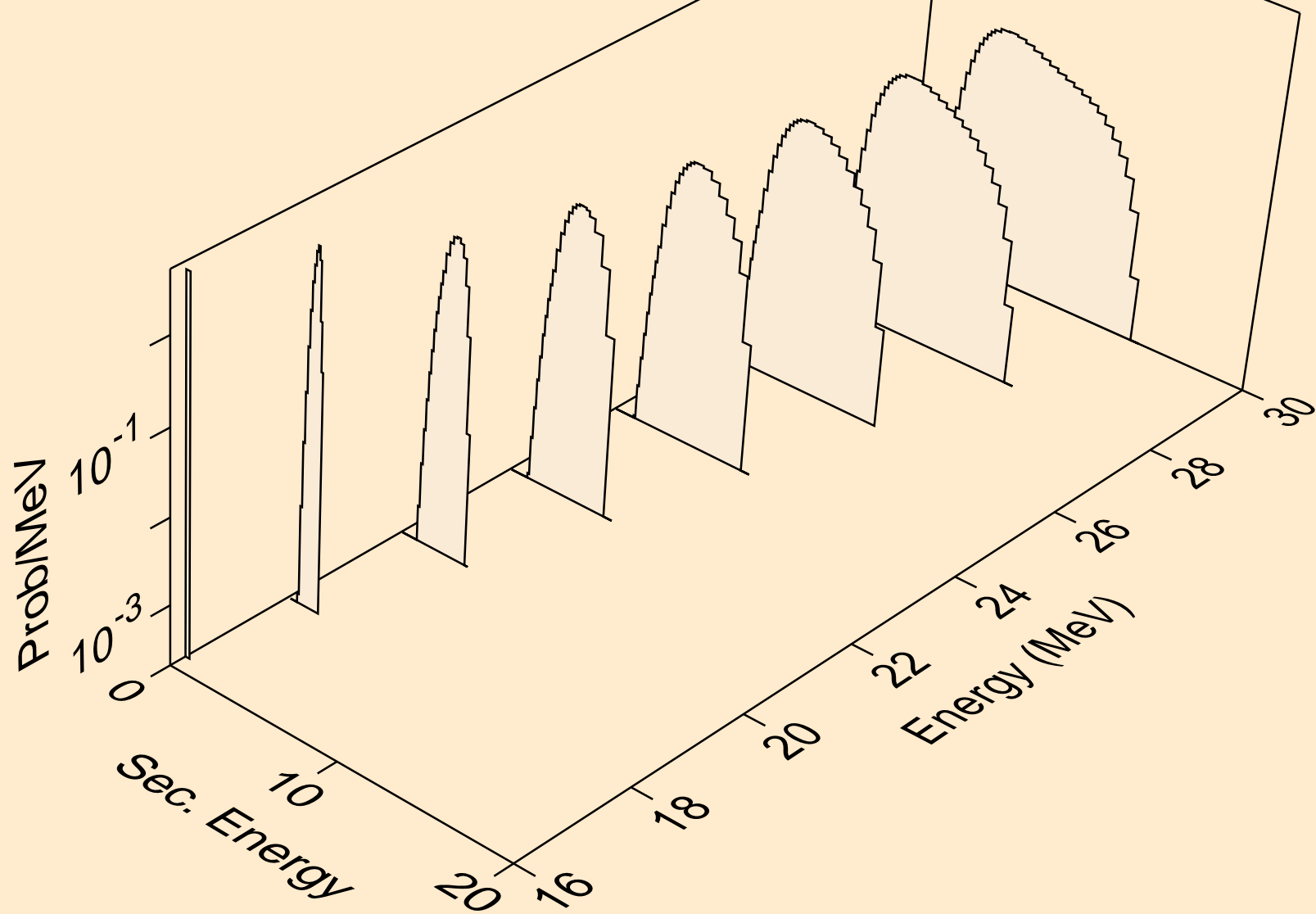
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protons from (n,x)



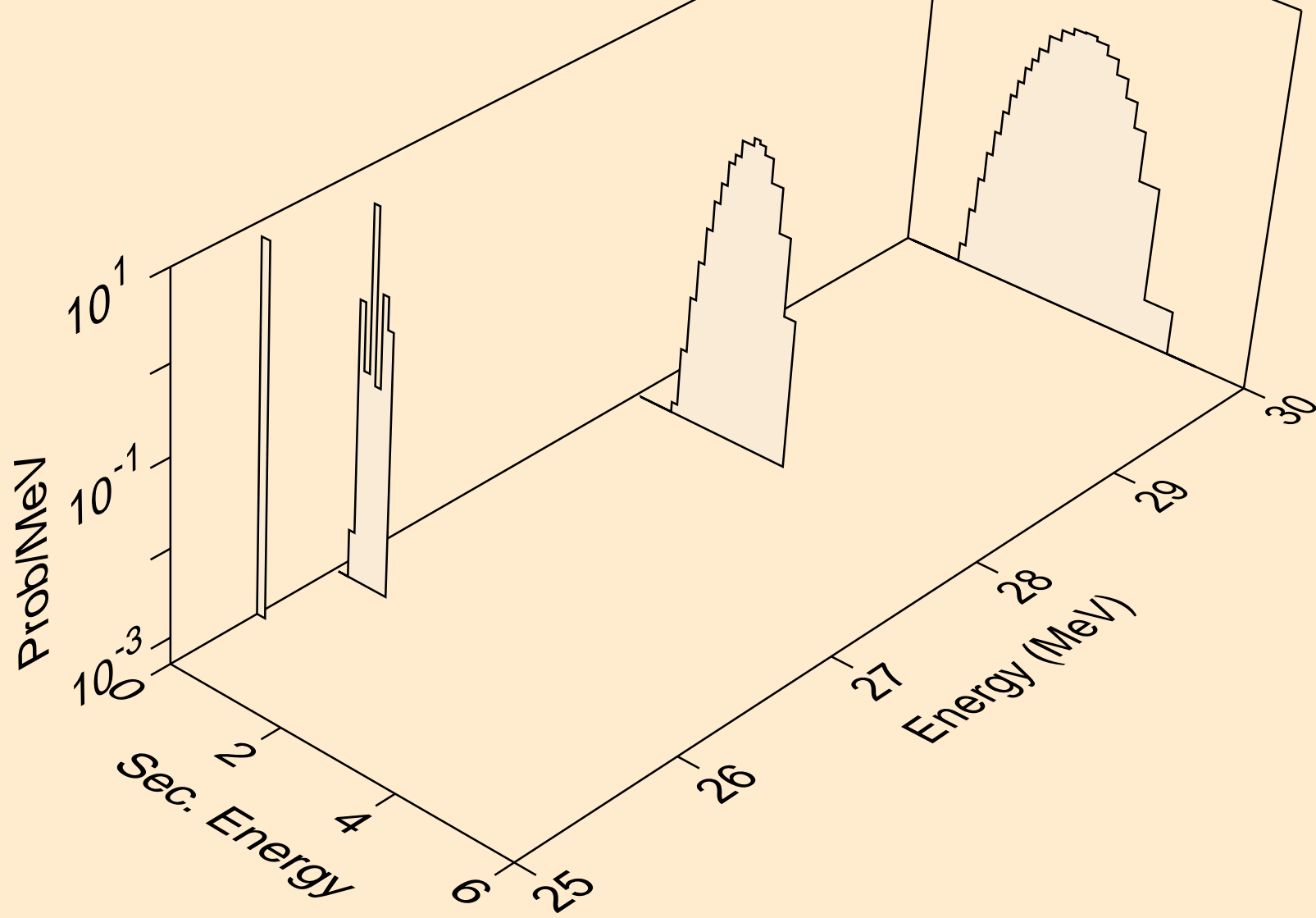
ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)

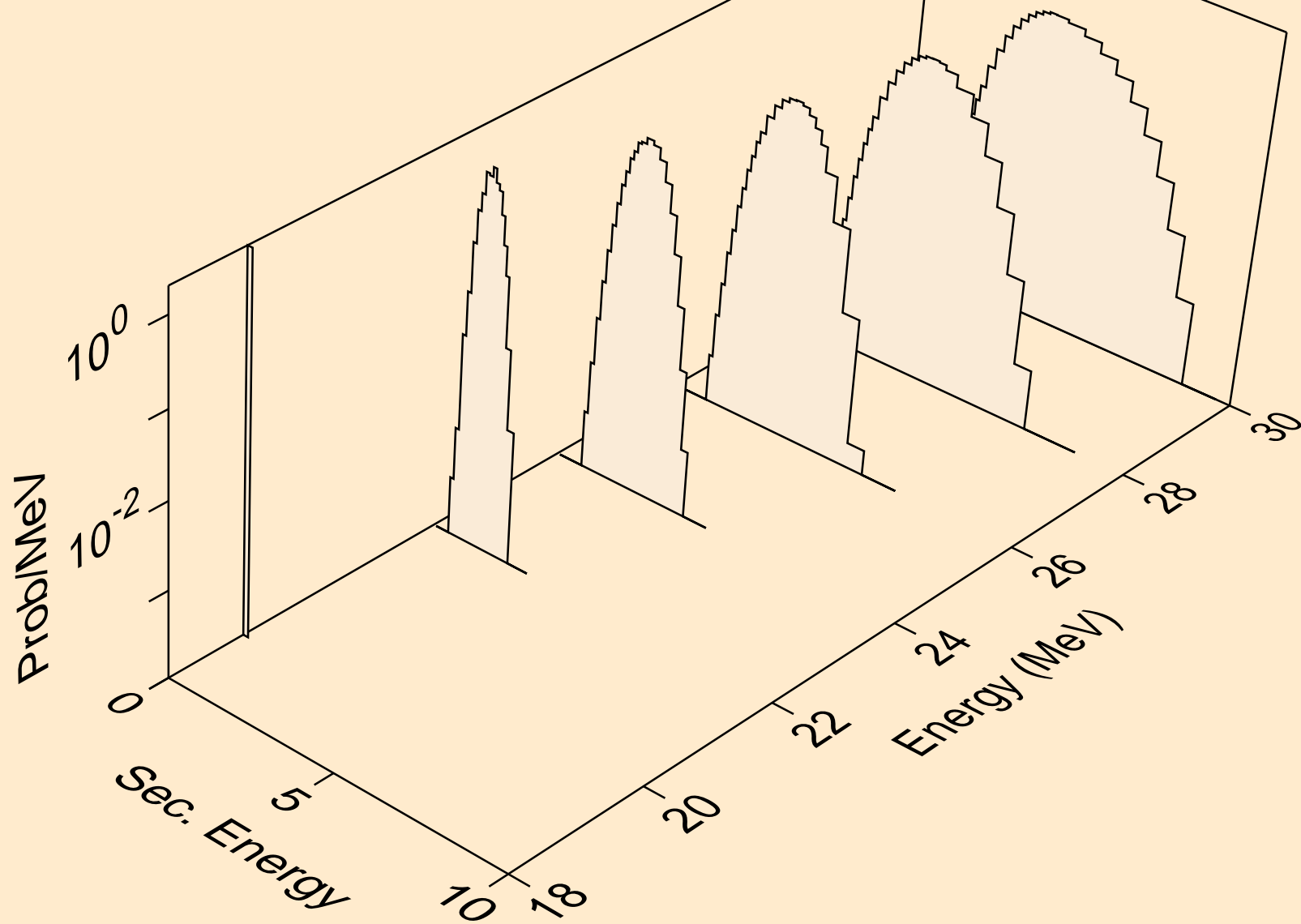


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protons from (n,3np)

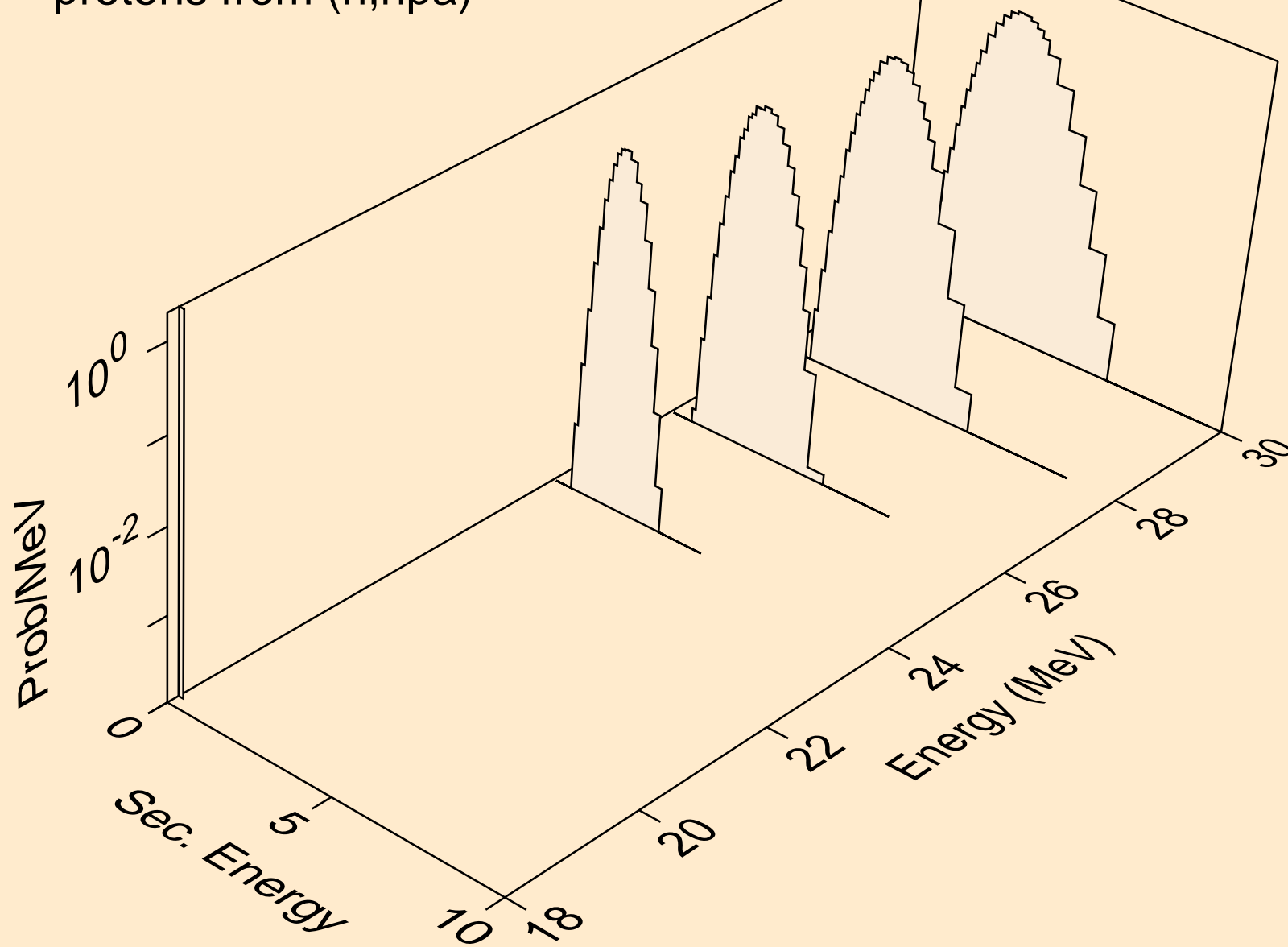




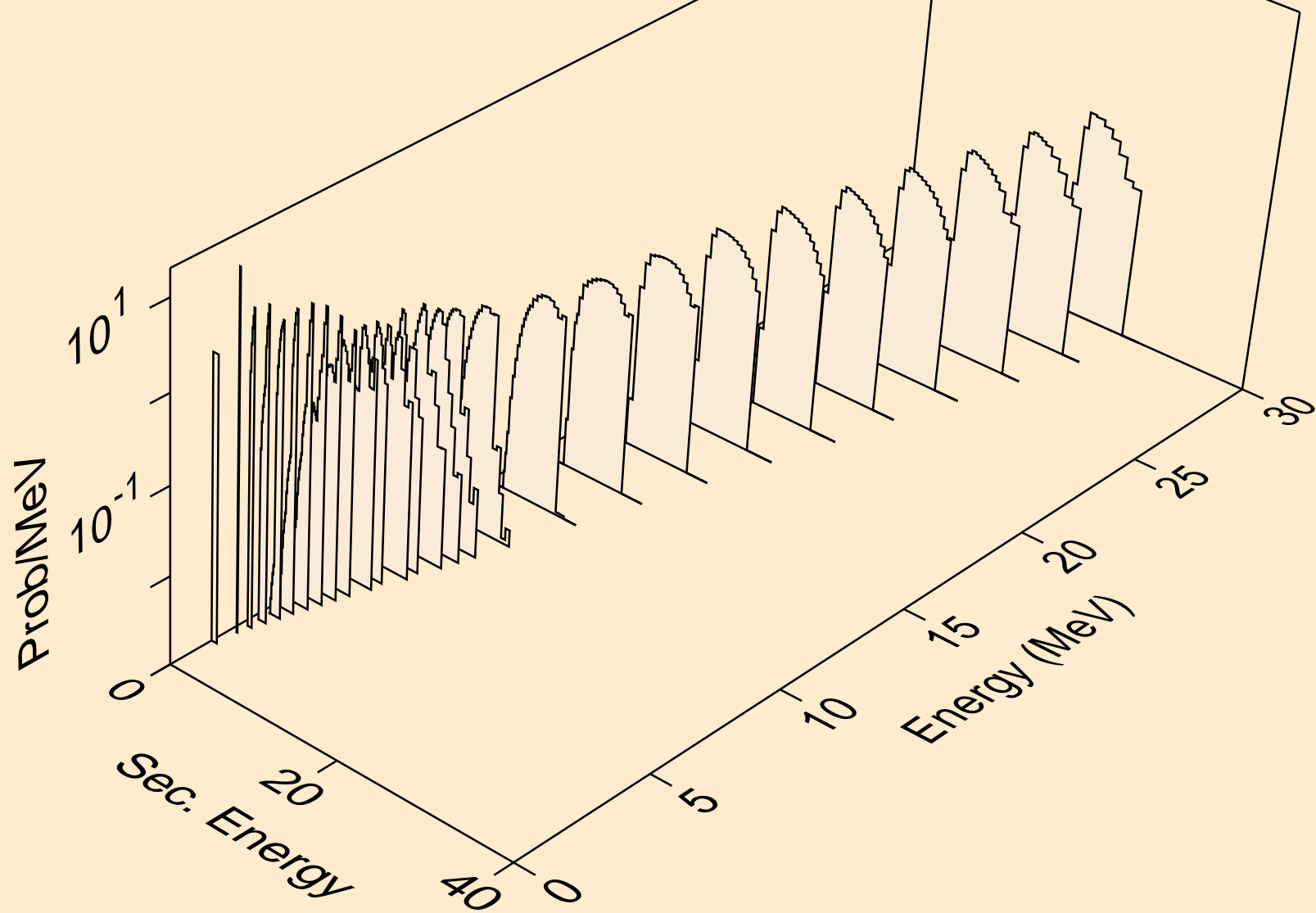
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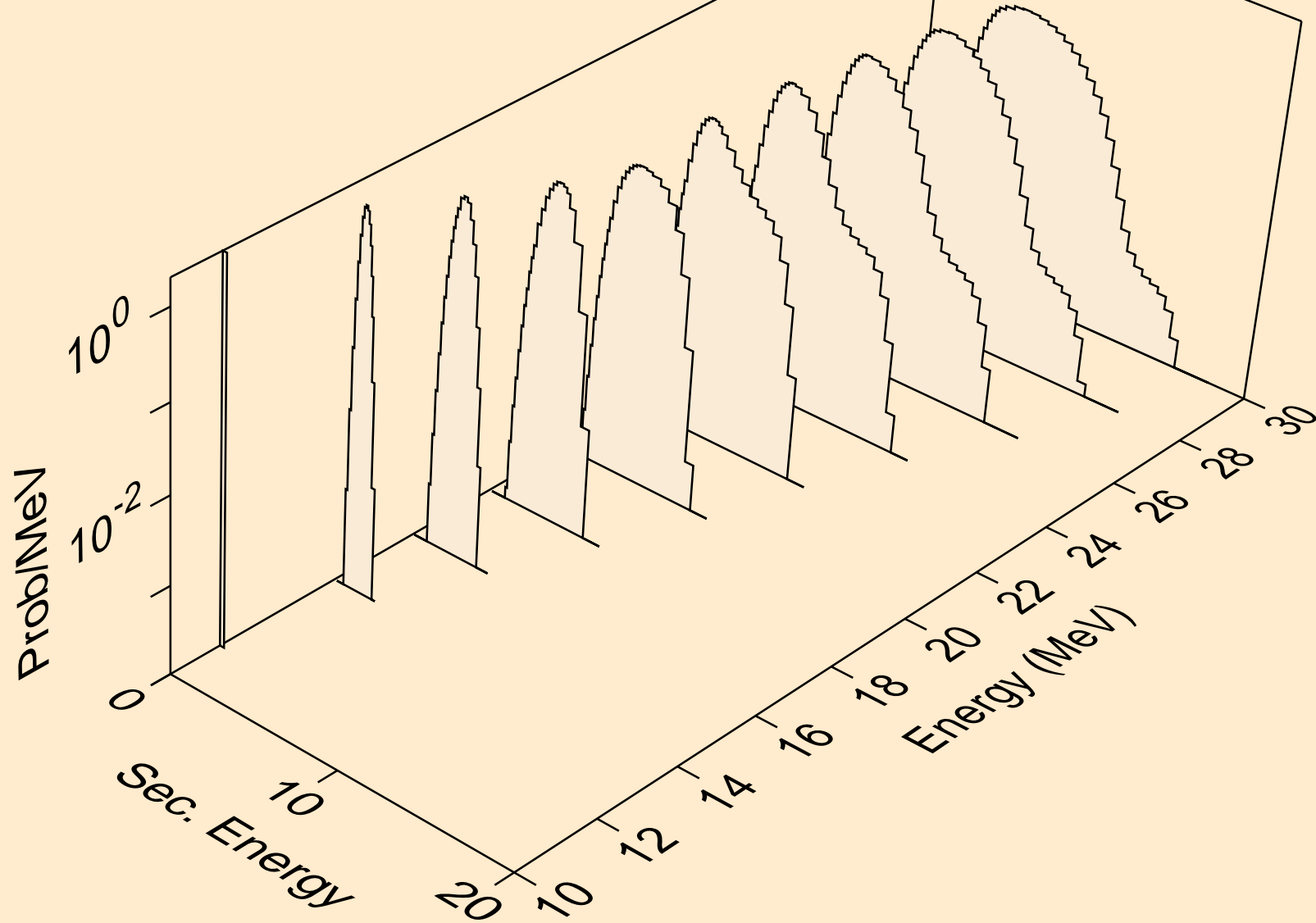
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protons from (n,npa)



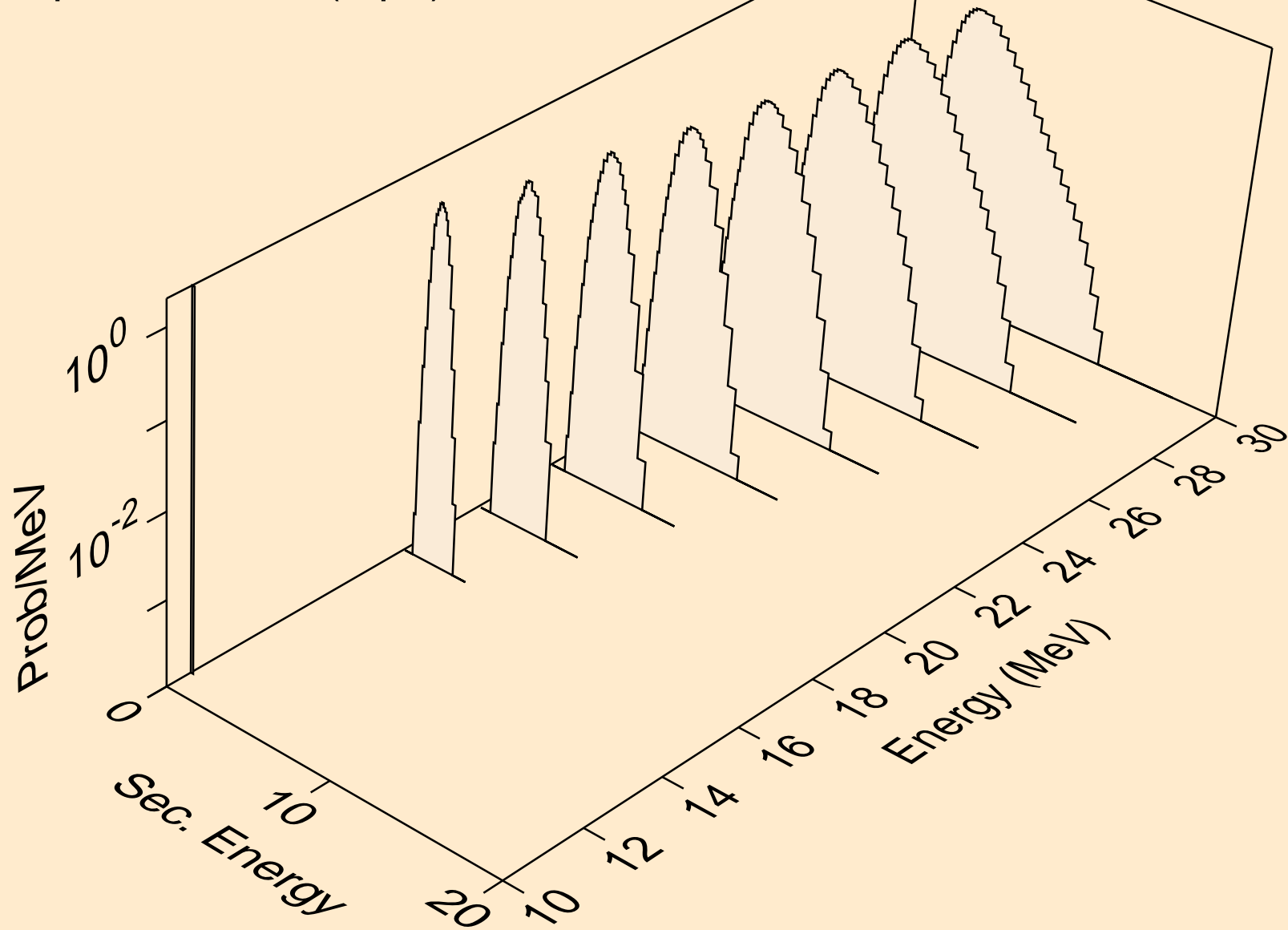
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protons from (n,p)



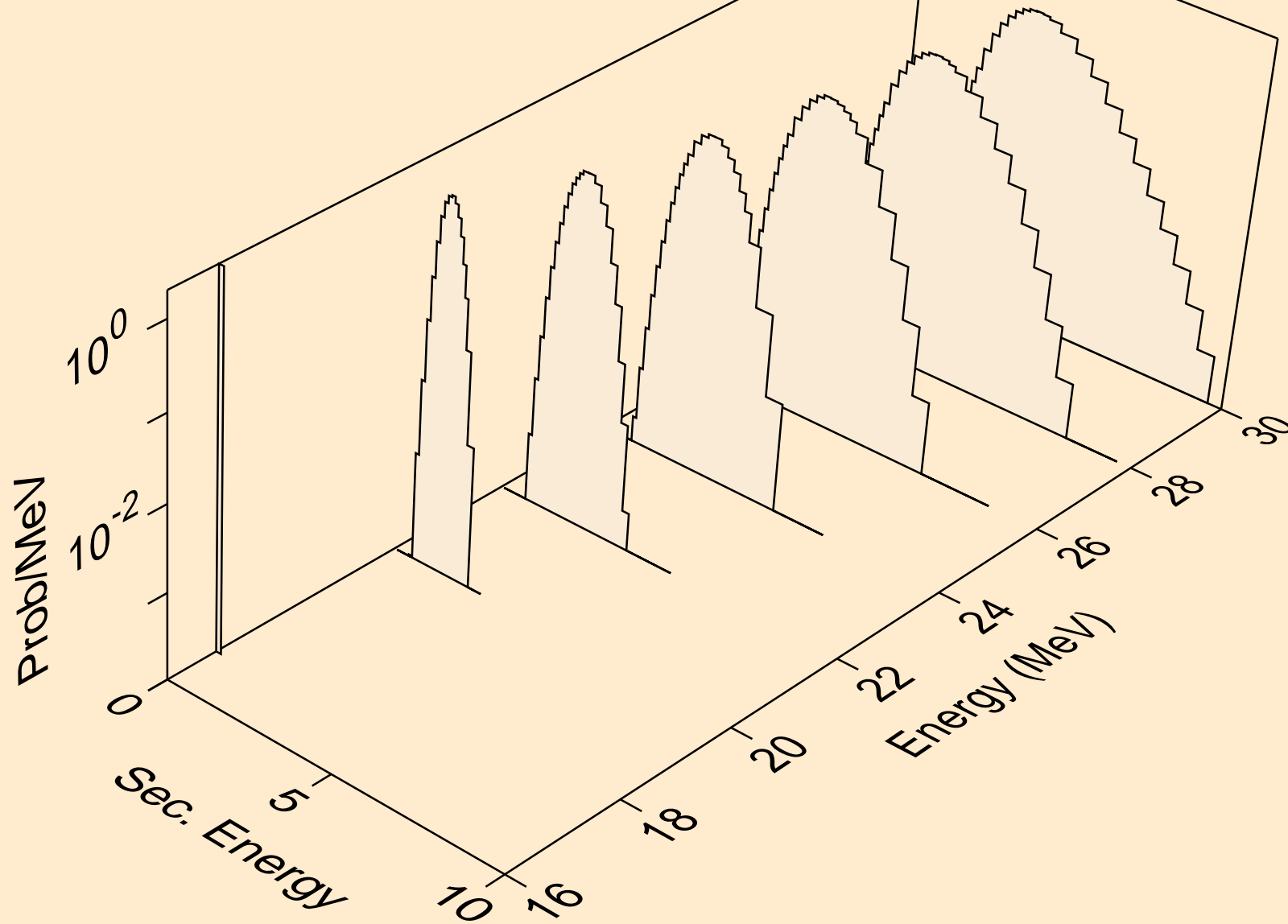
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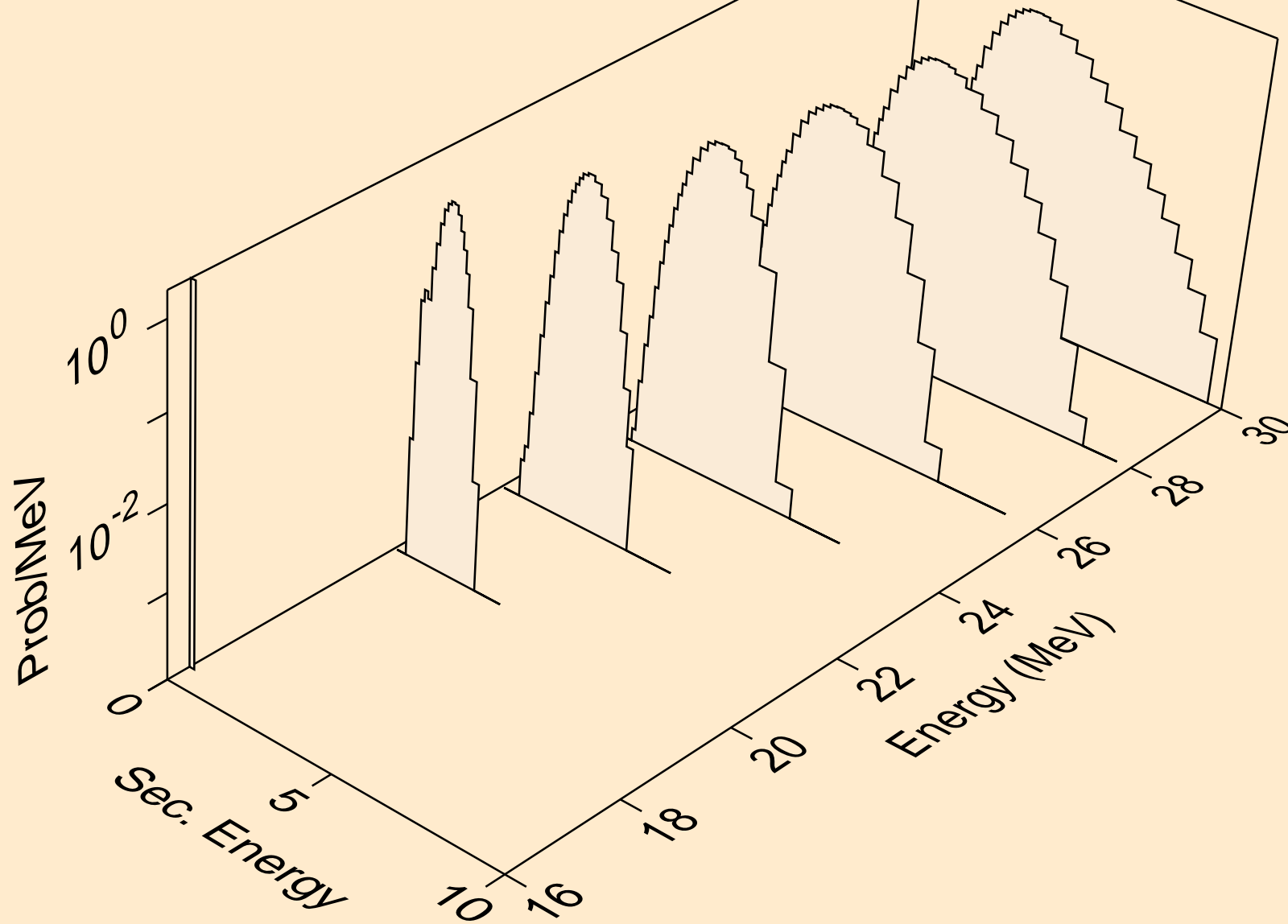
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protons from (n,p)



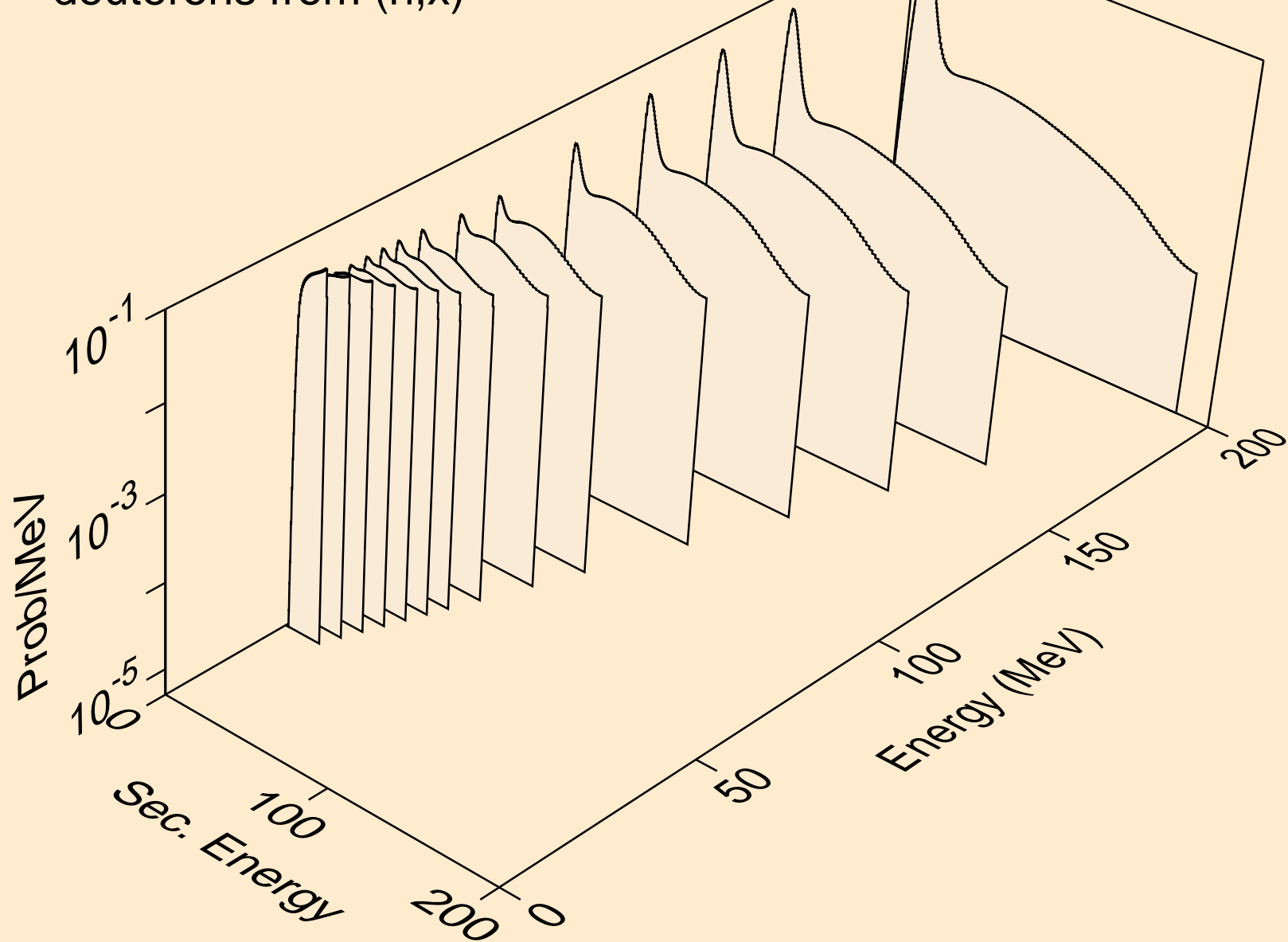
ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)



ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pt)

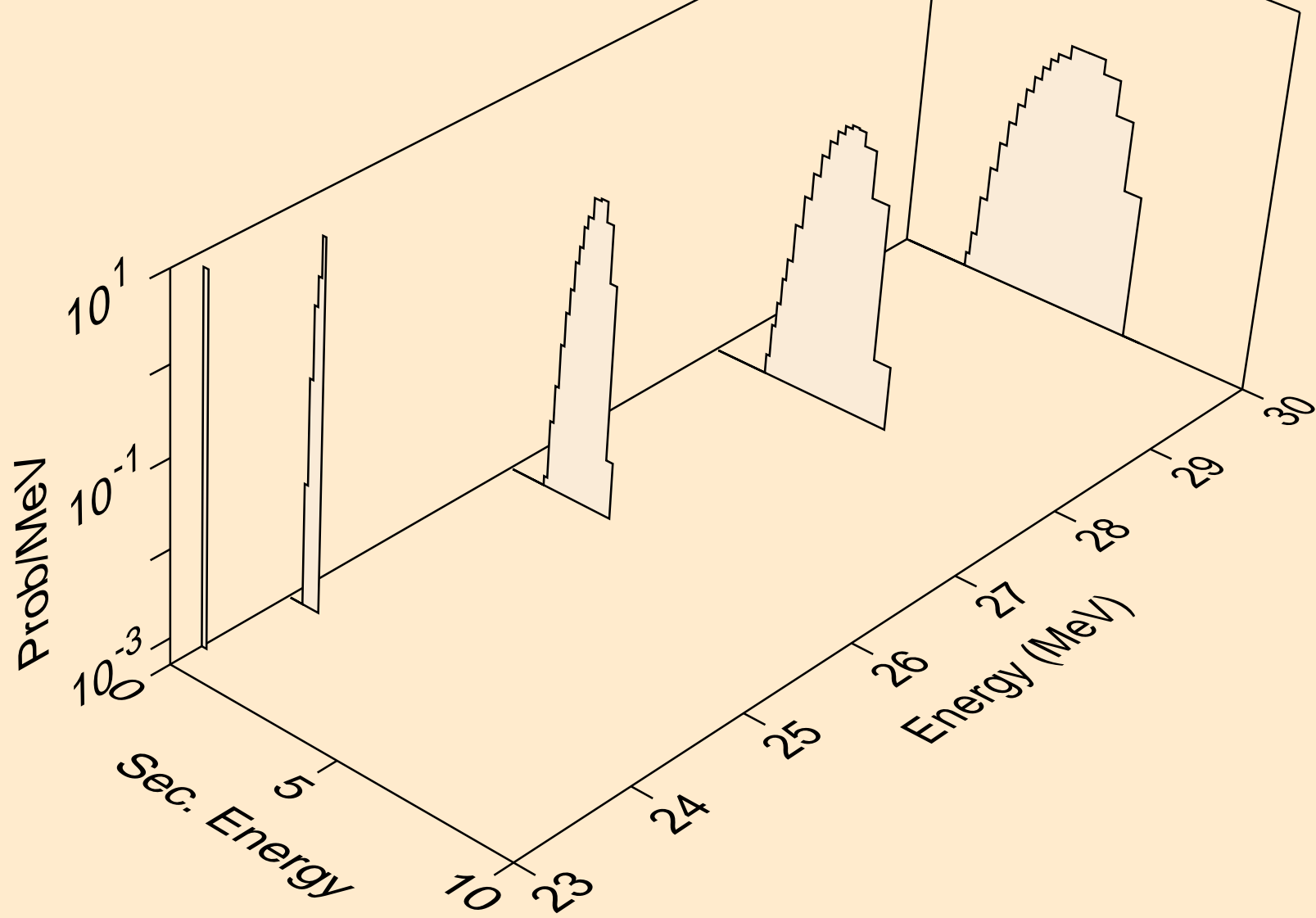


ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)

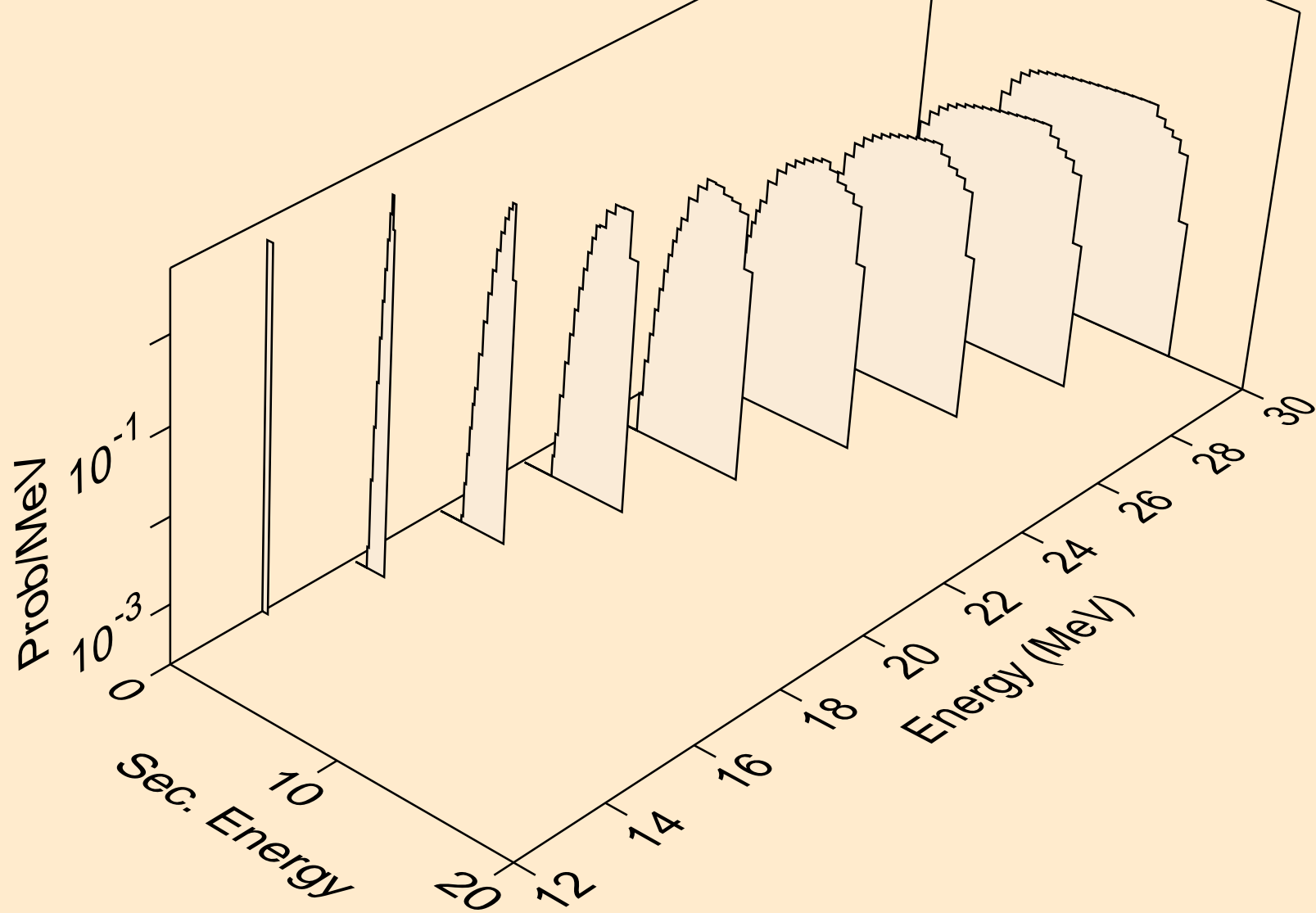




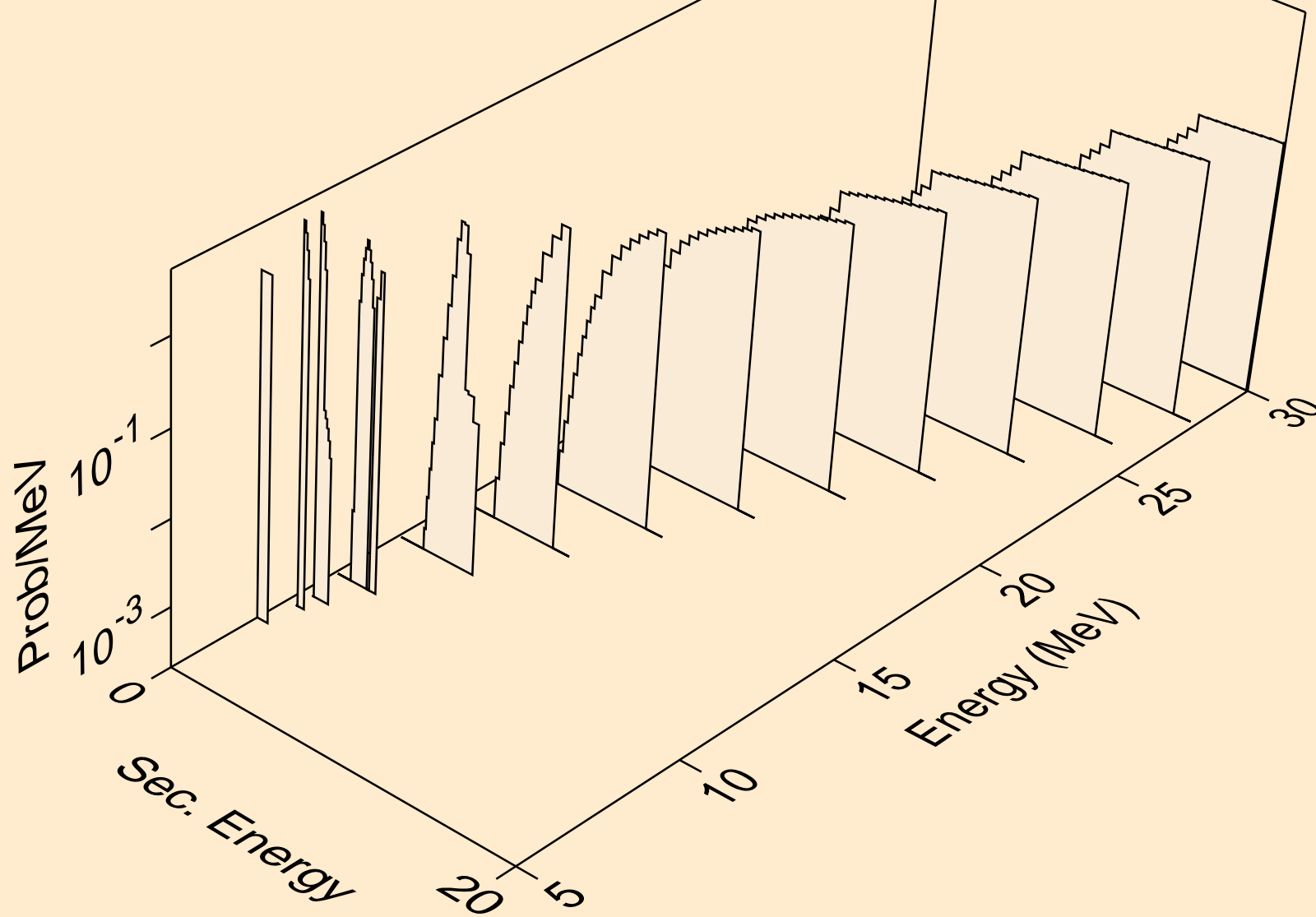
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deuterons from (n,2nd)



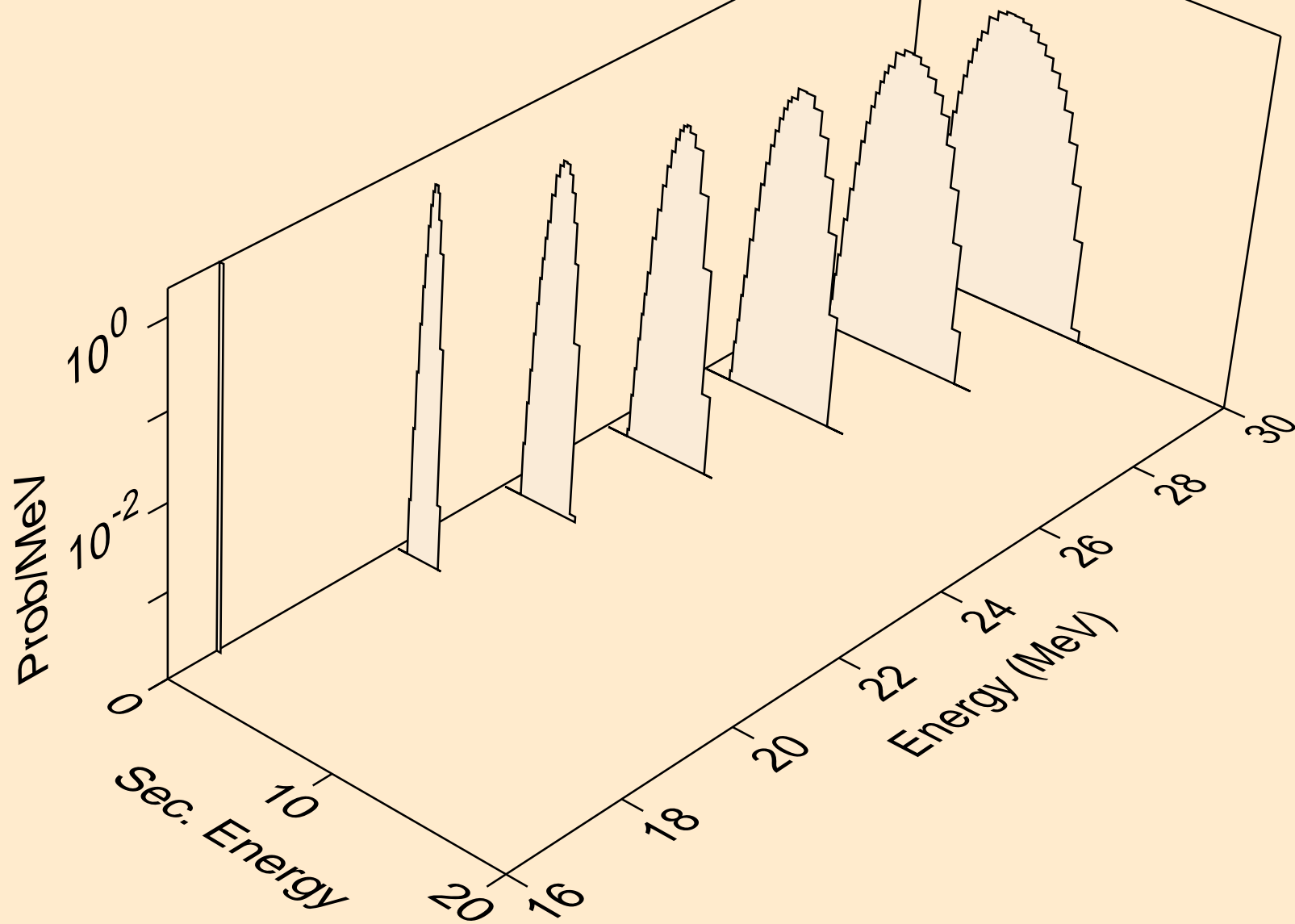
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deuterons from (n,n\*)d



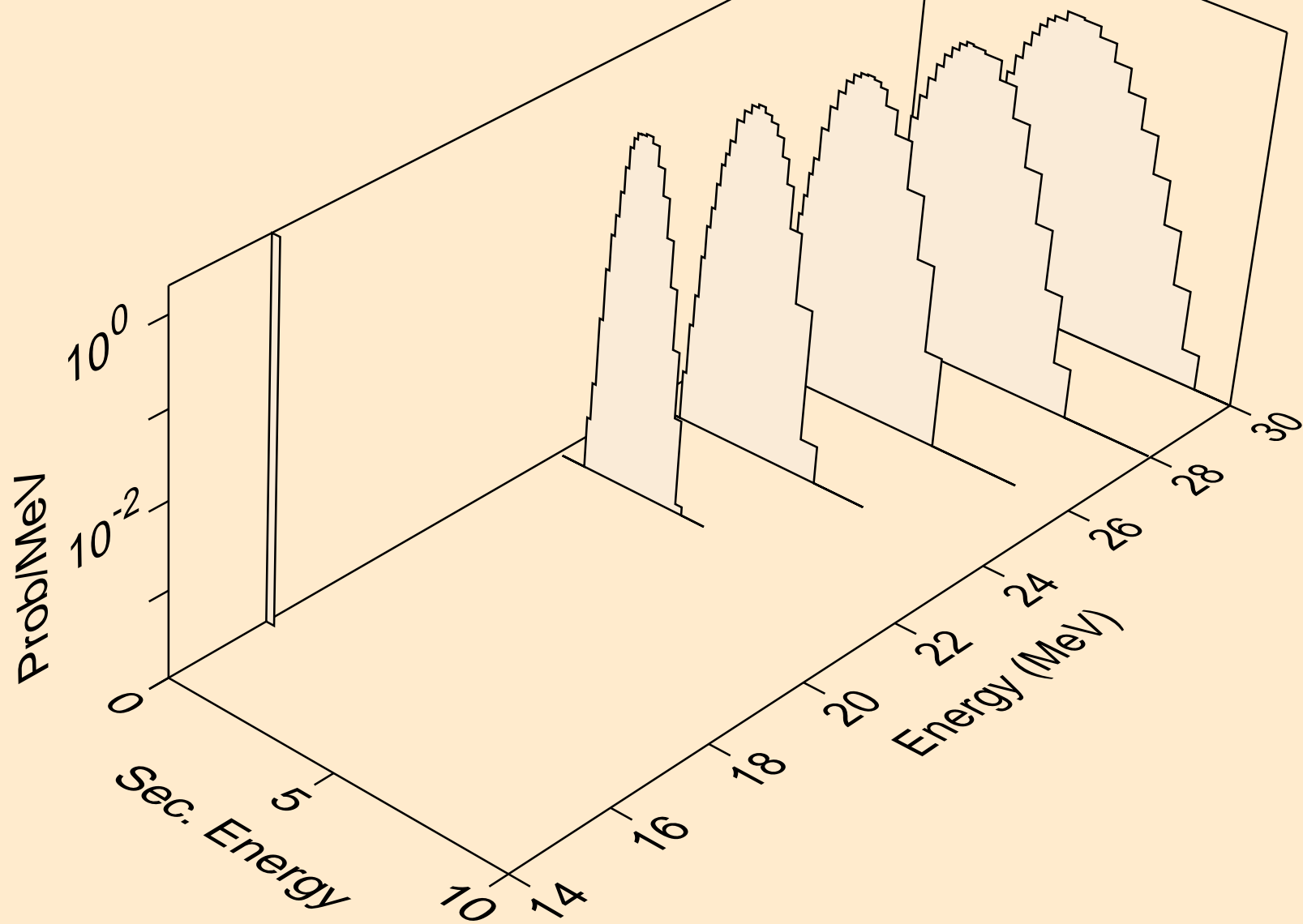
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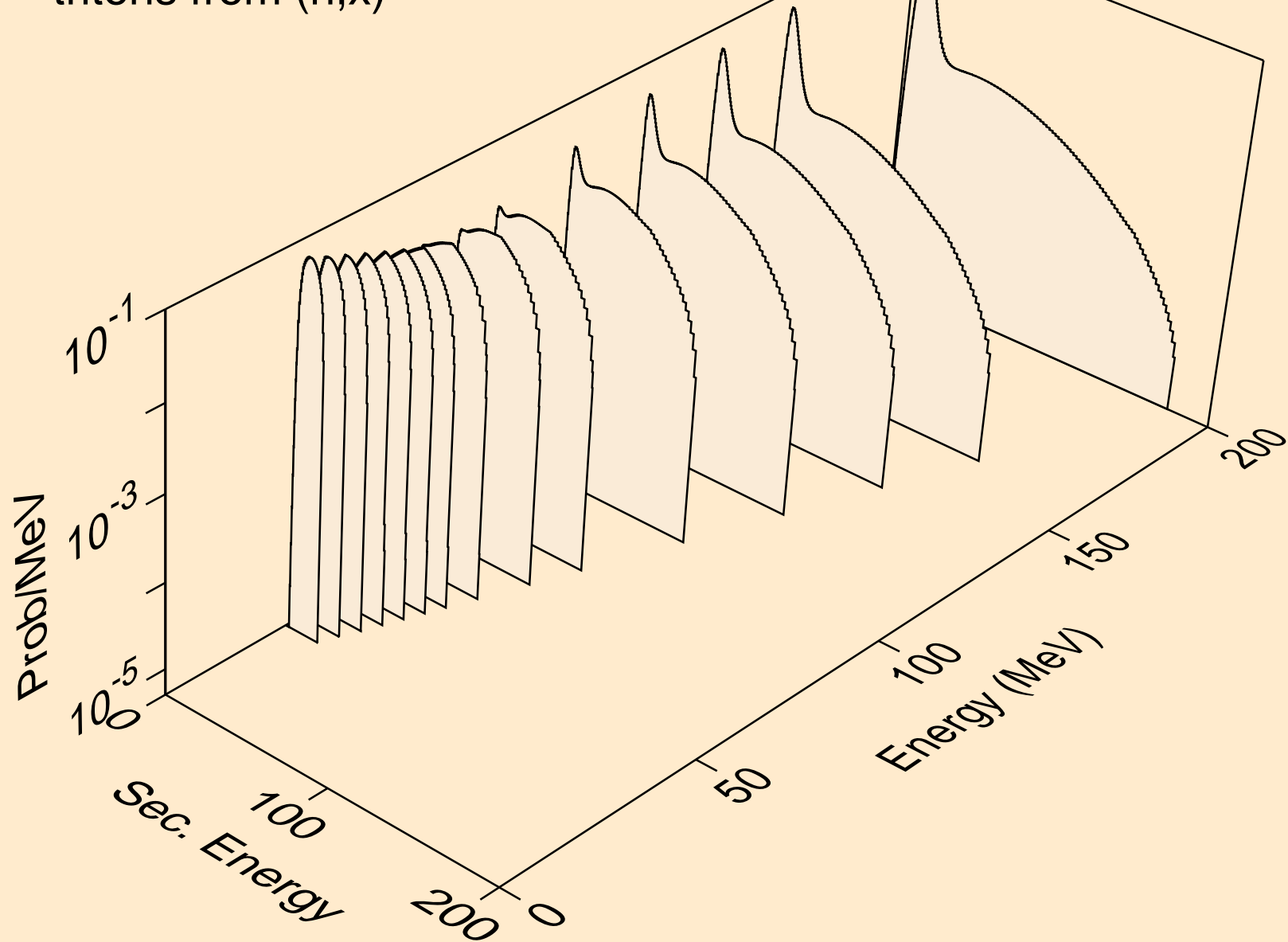
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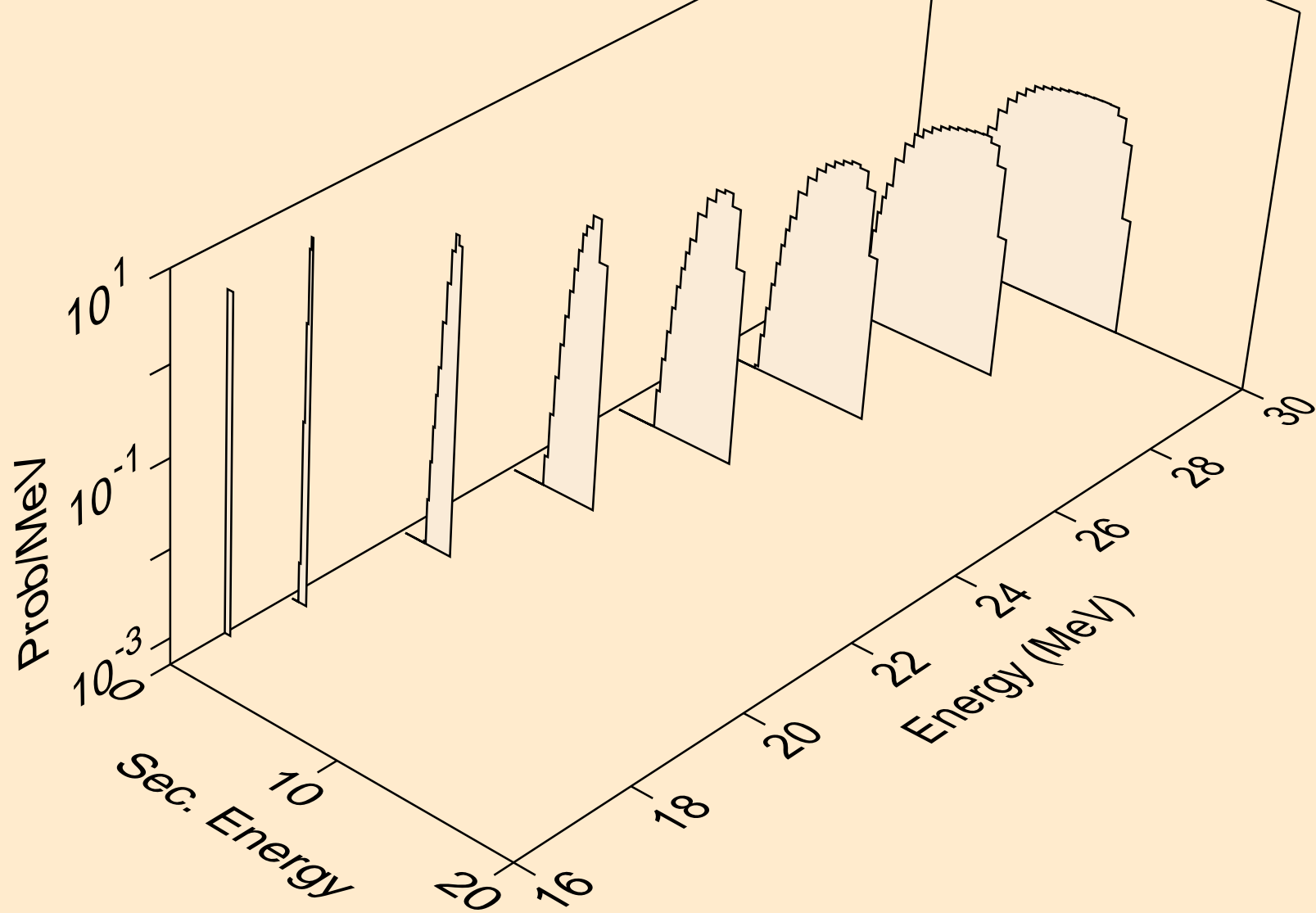
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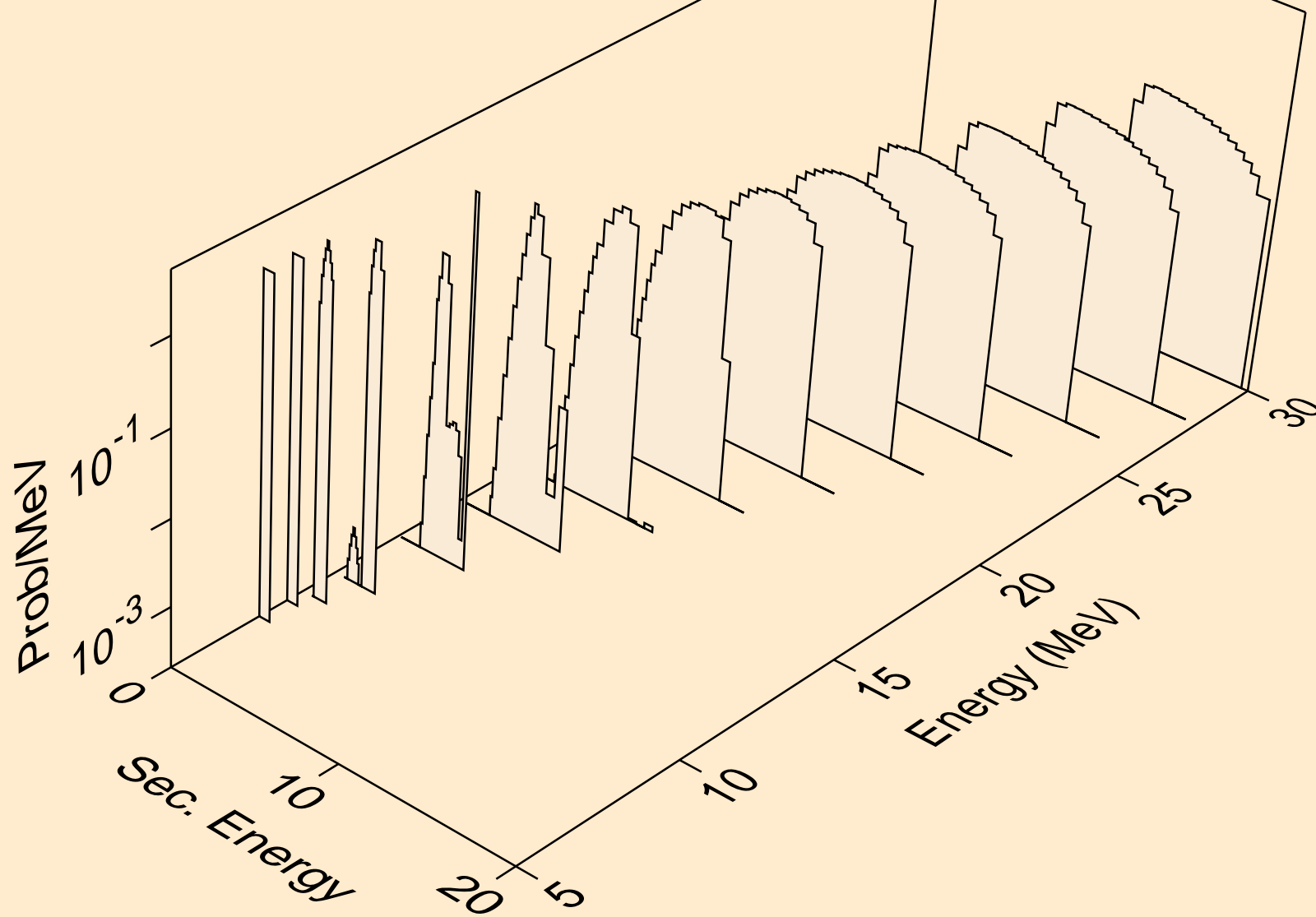
ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t

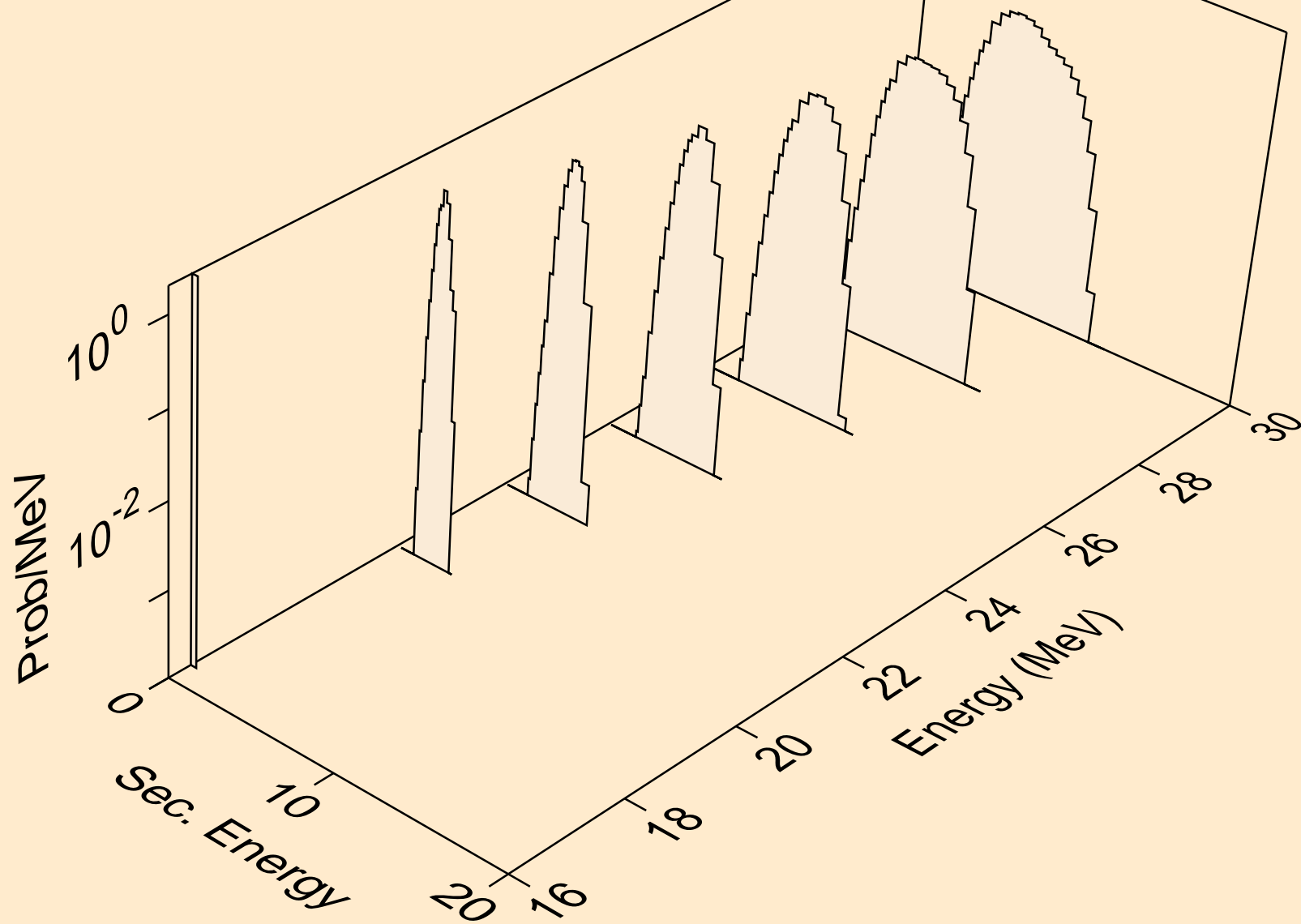


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tritons from (n,t)

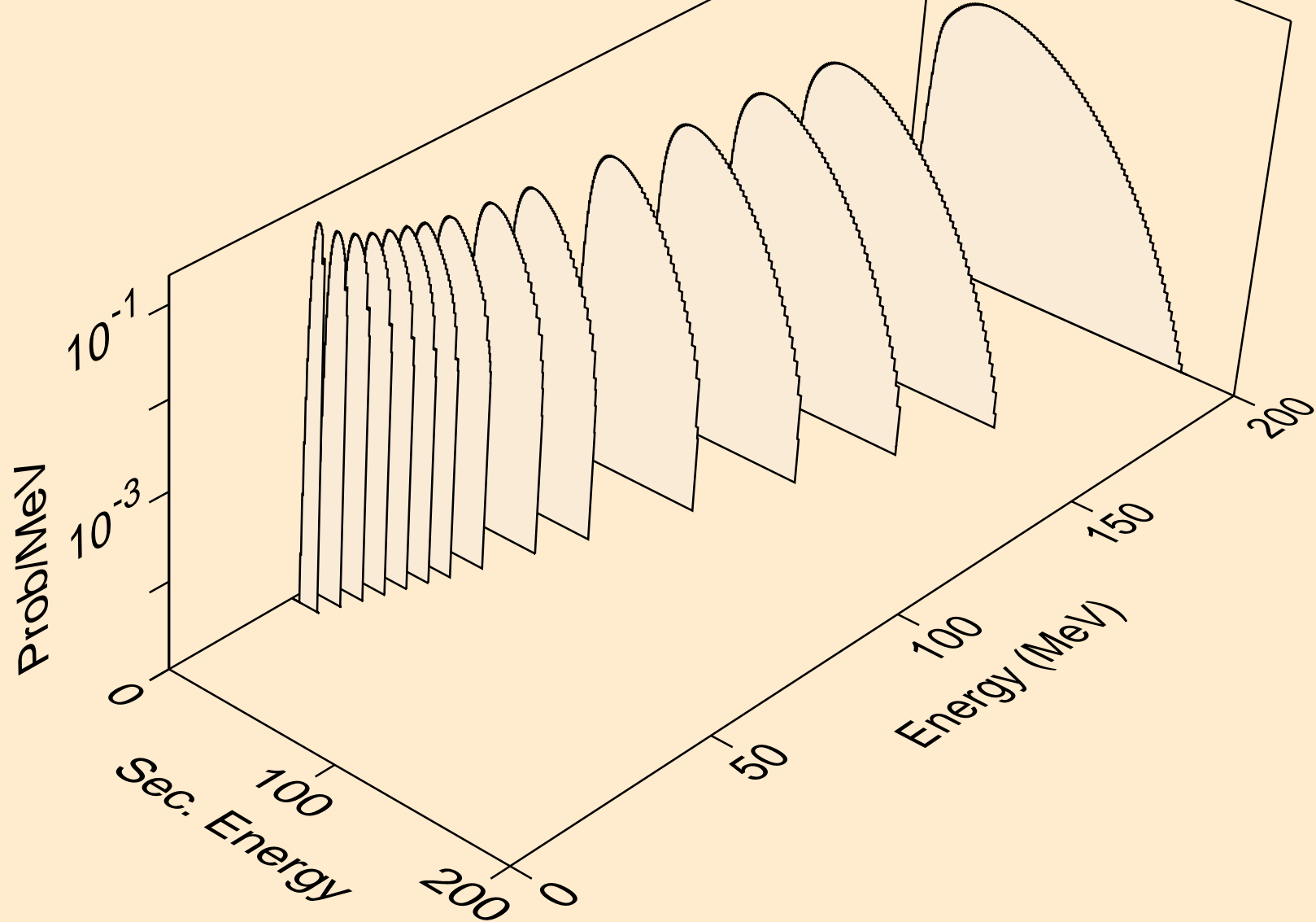




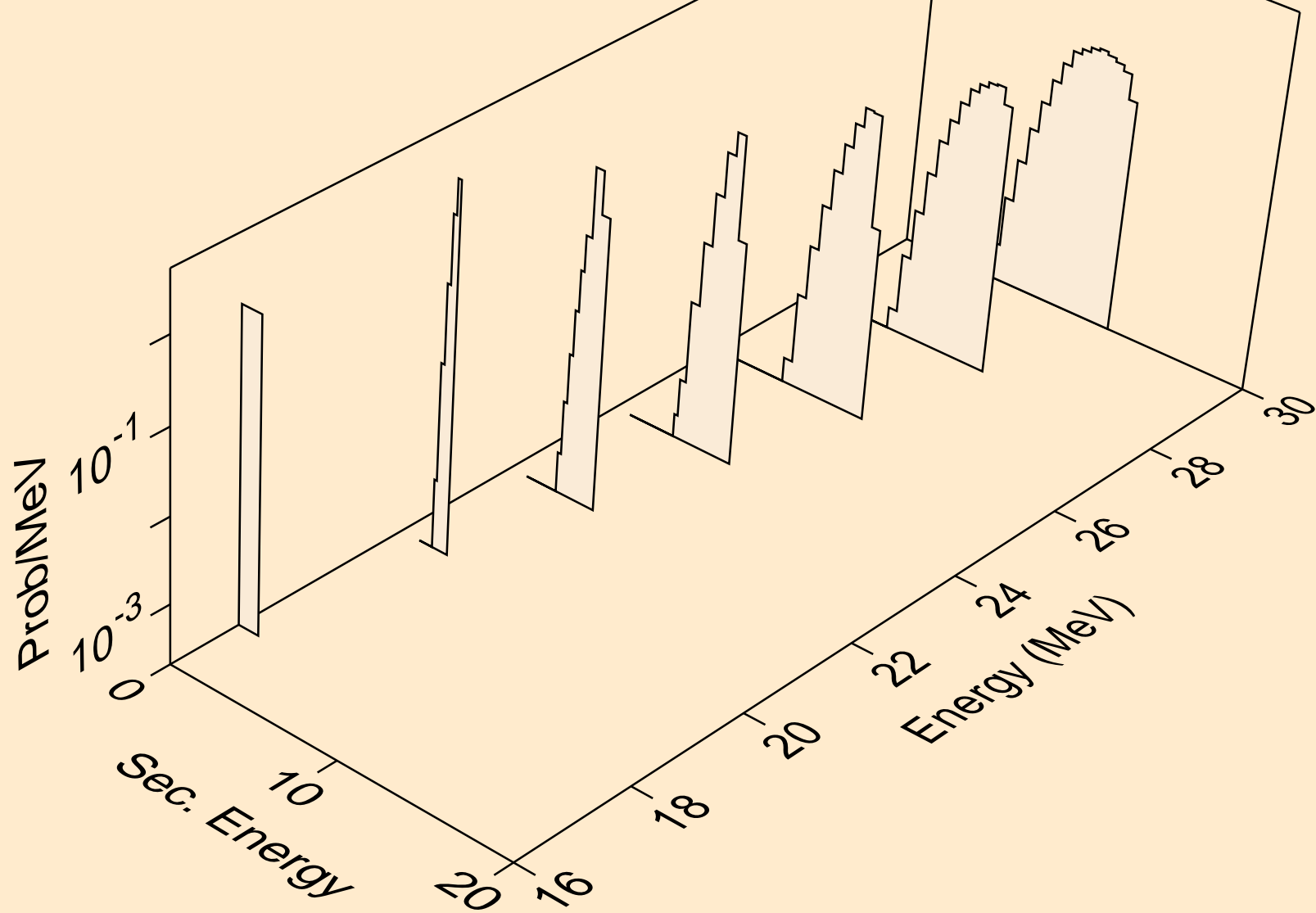
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tritons from (n,pt)



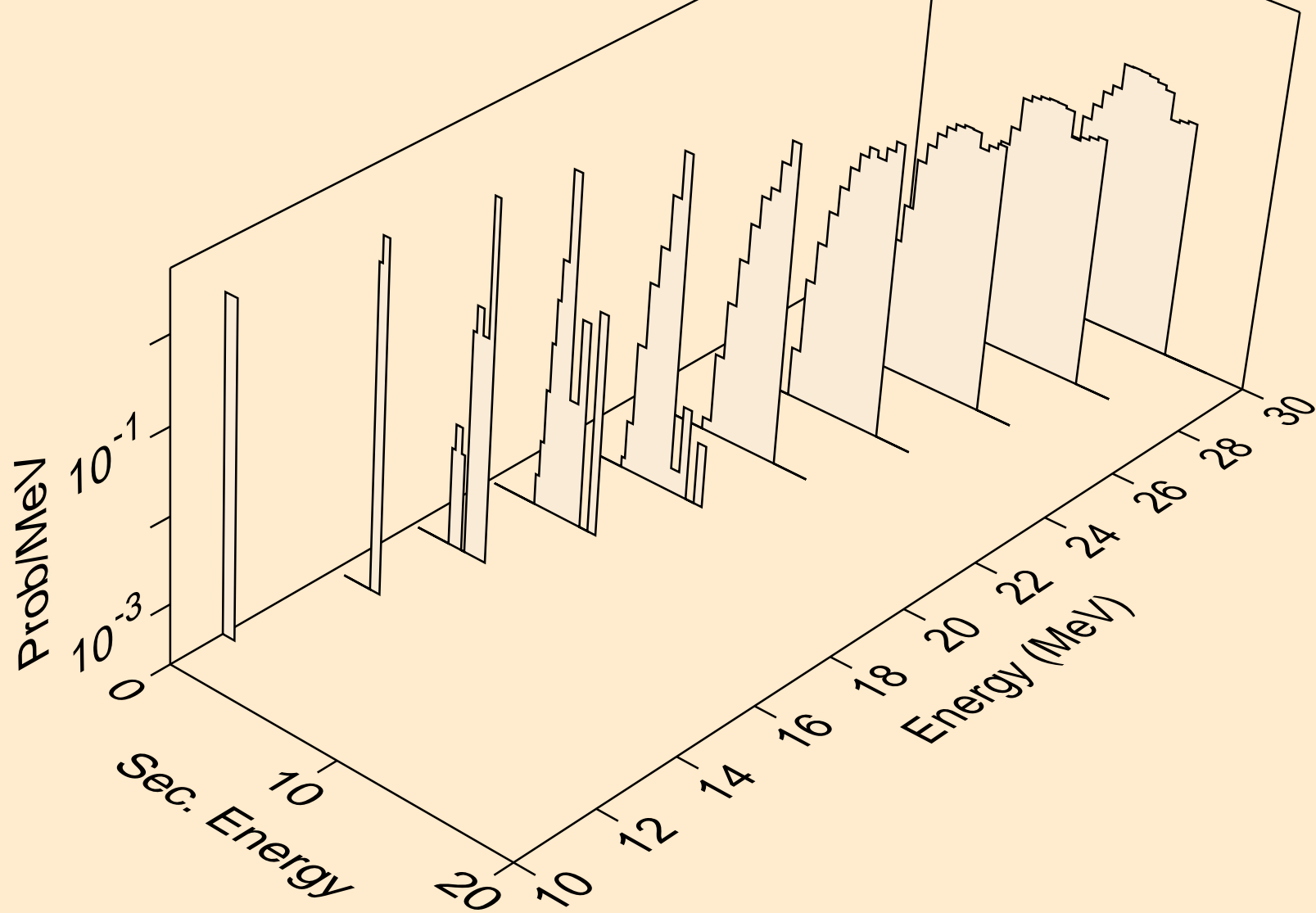
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he3s from (n,x)



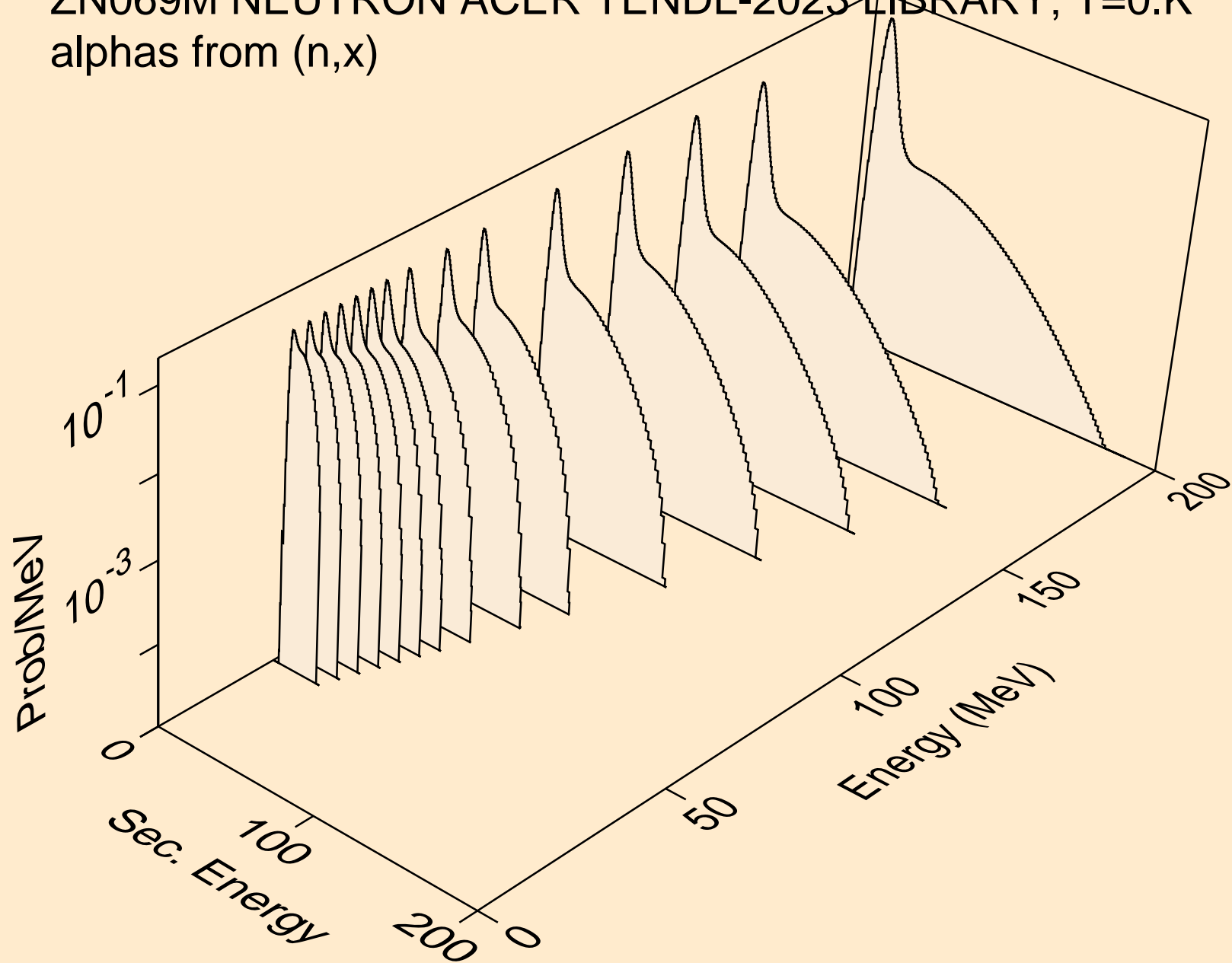
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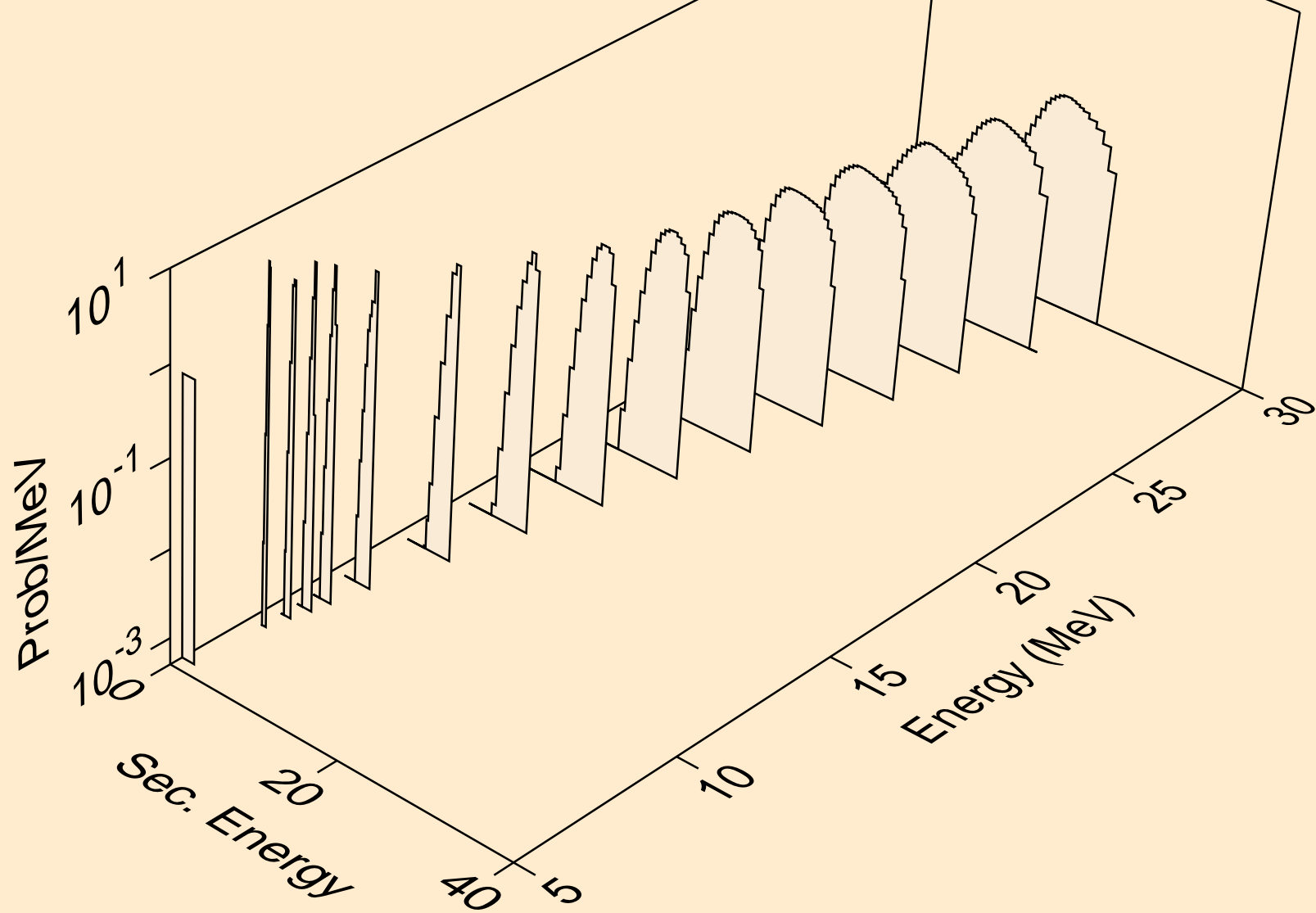
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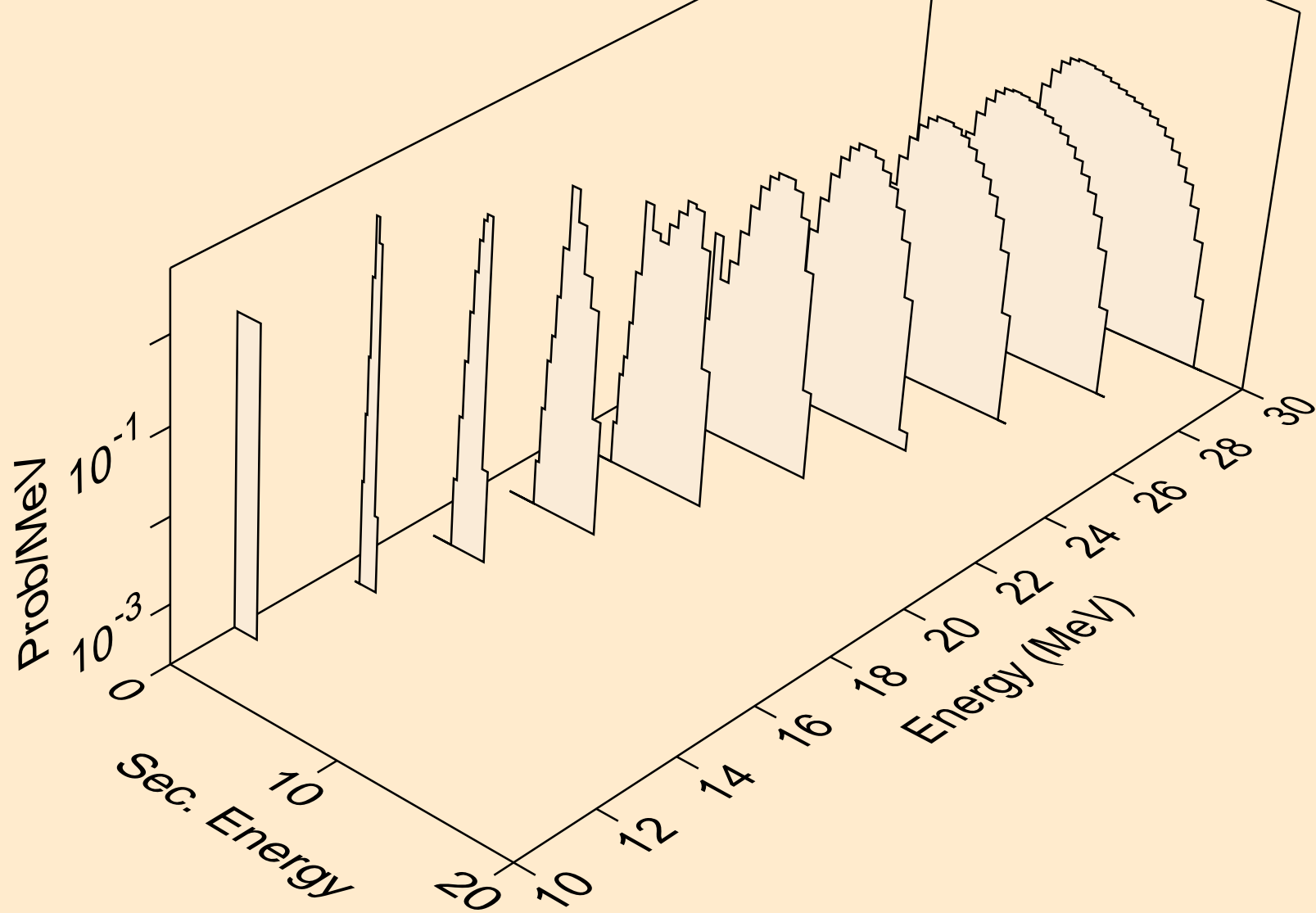
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alphas from (n,x)



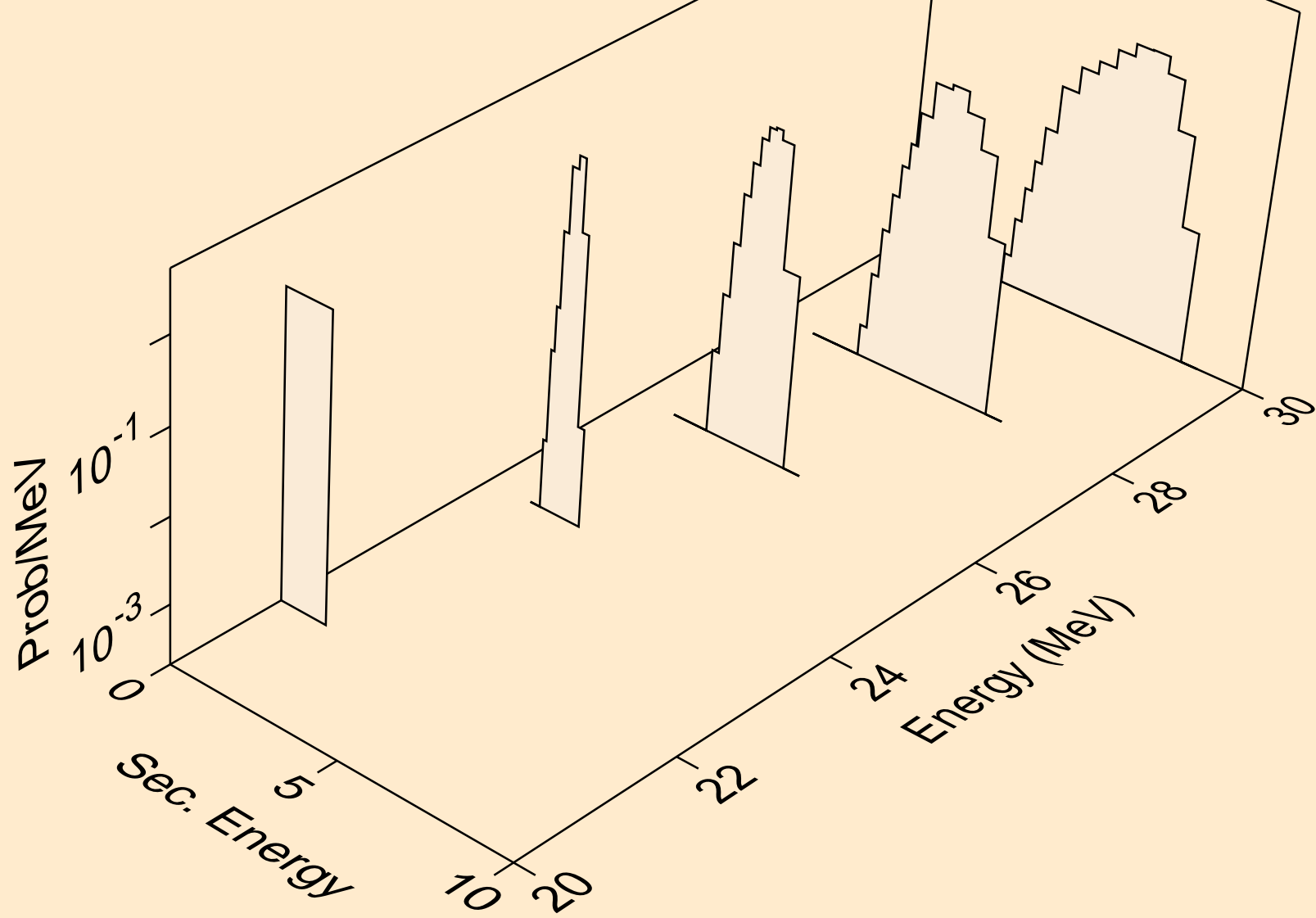
ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a

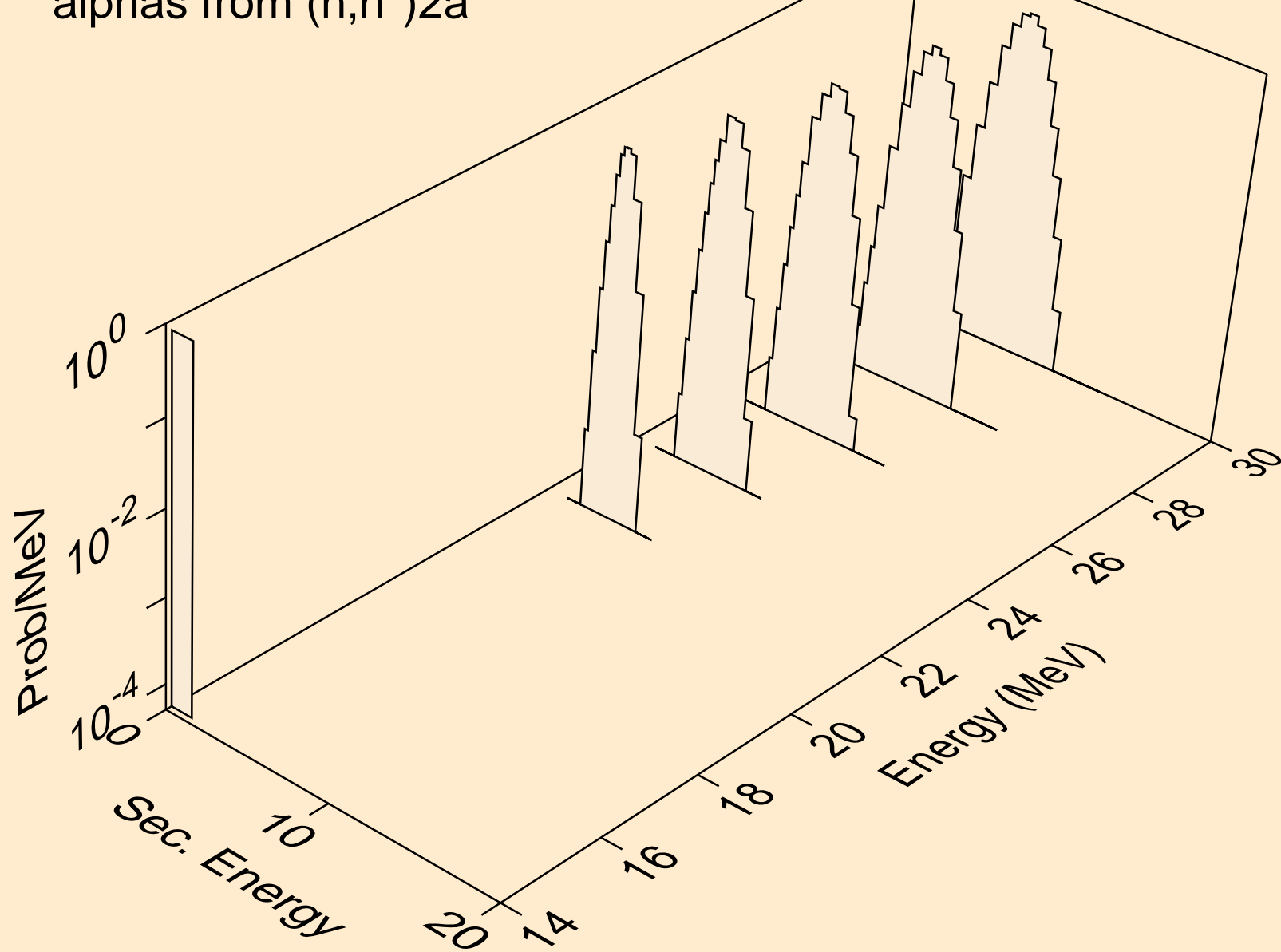


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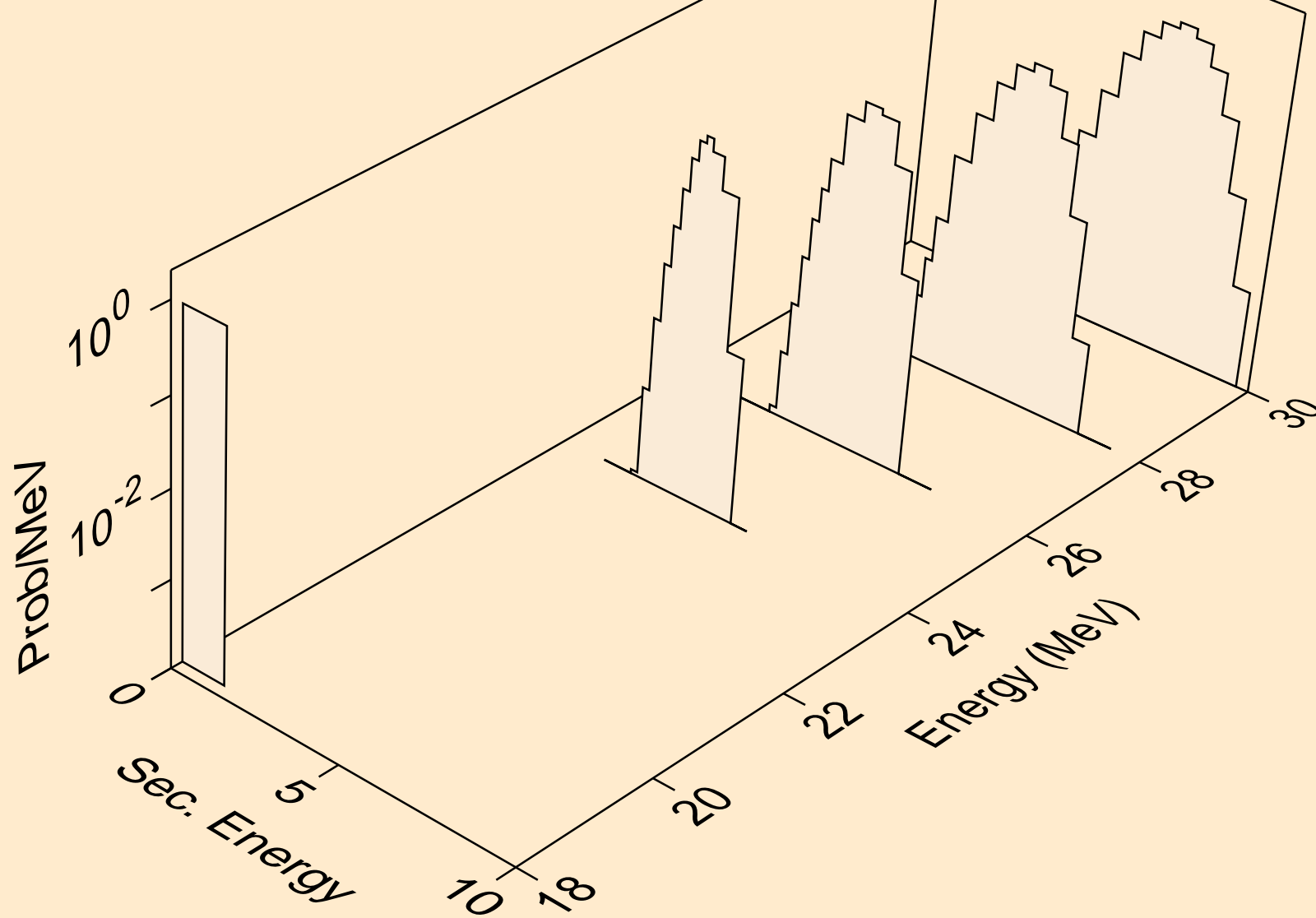




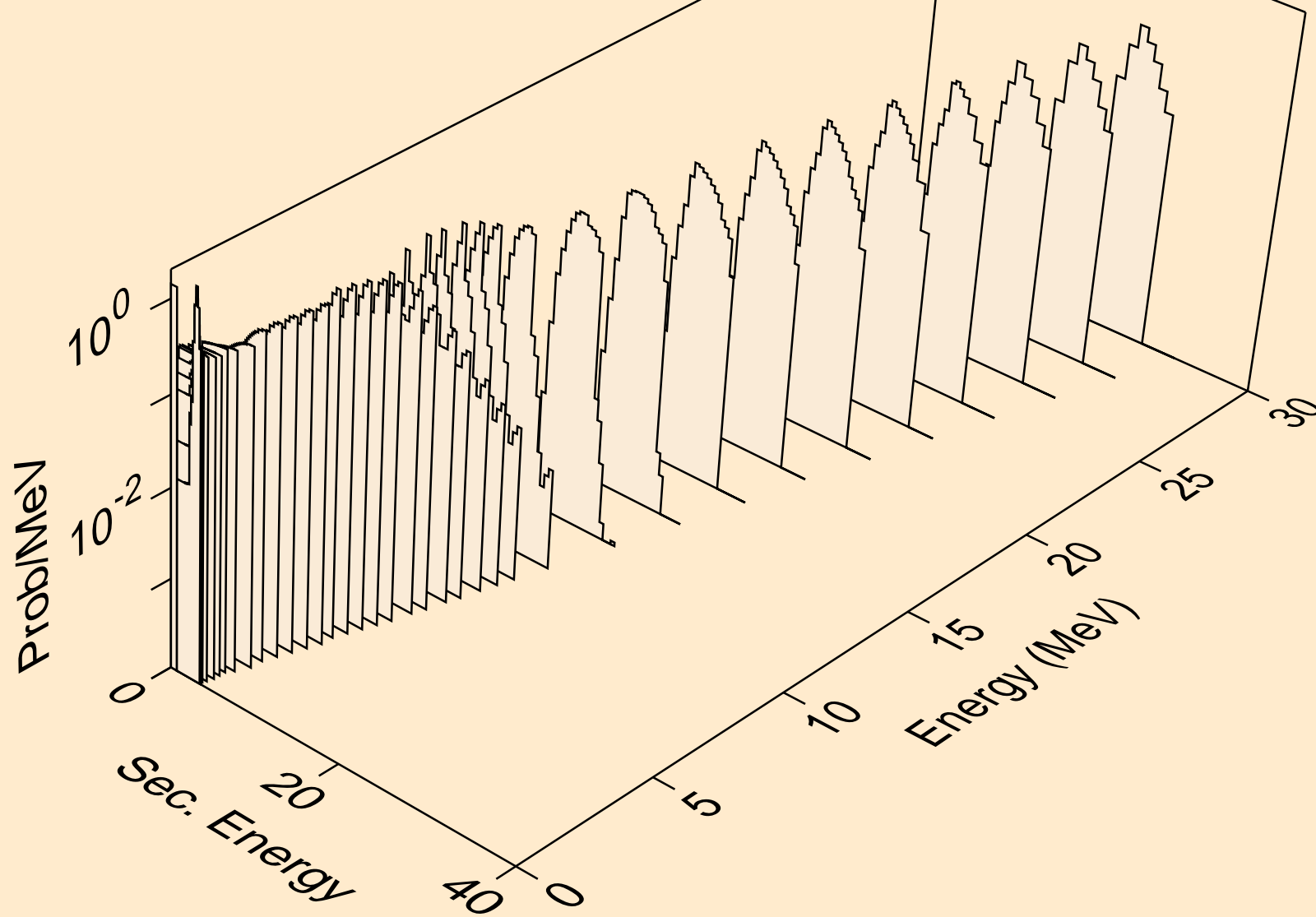
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alphas from (n,n\*)2a



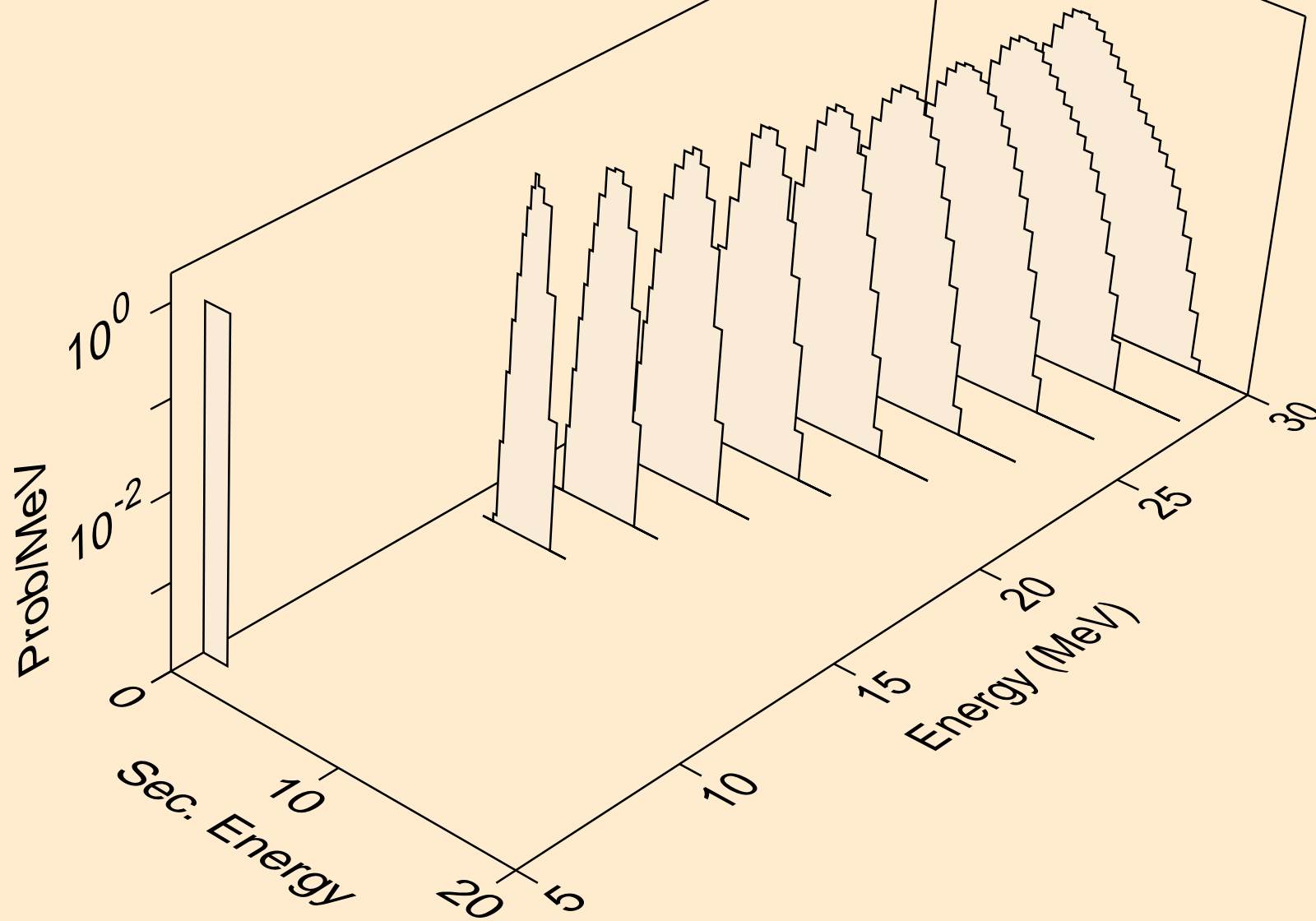
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alphas from (n,npa)



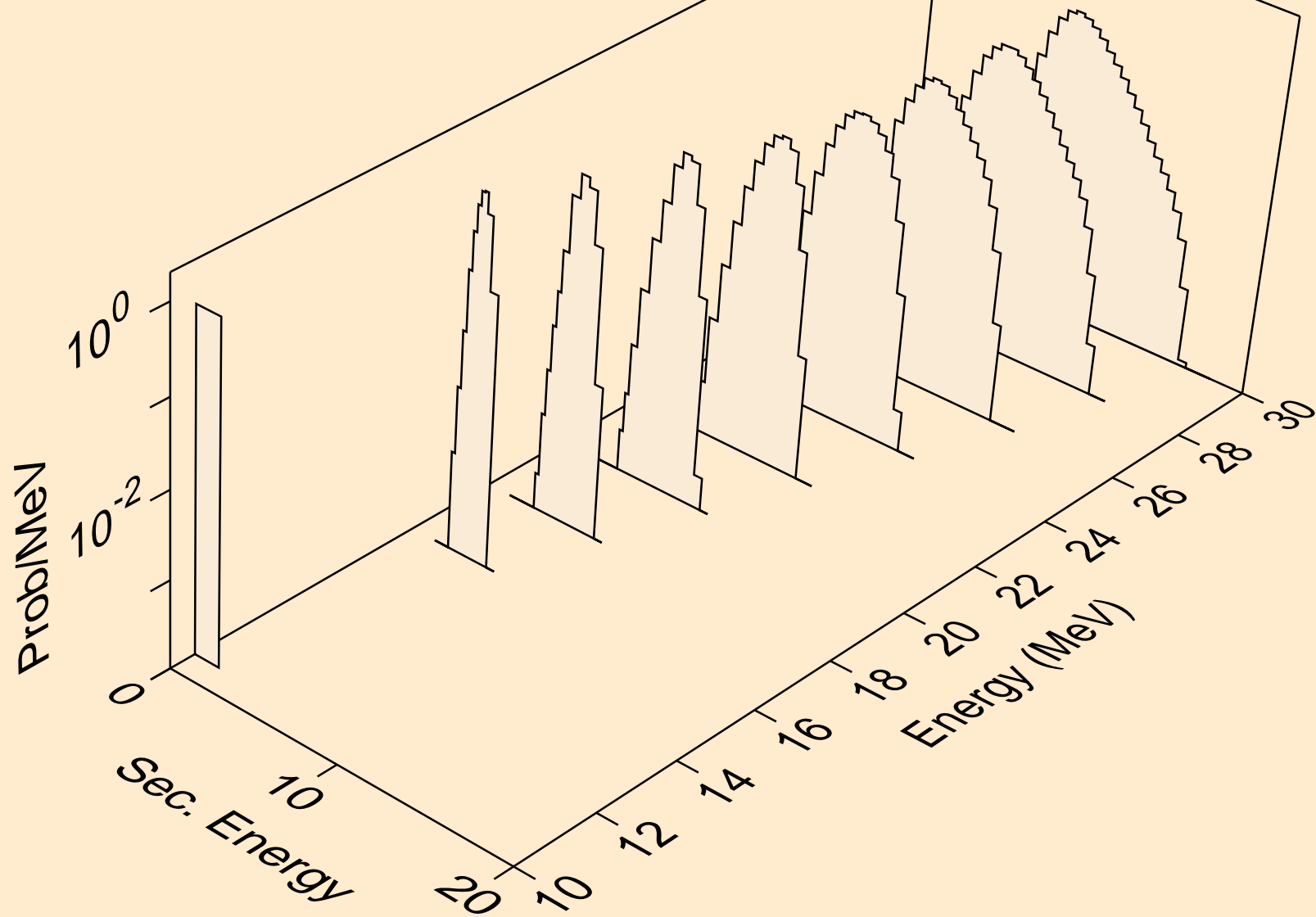
ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



ZN069M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

