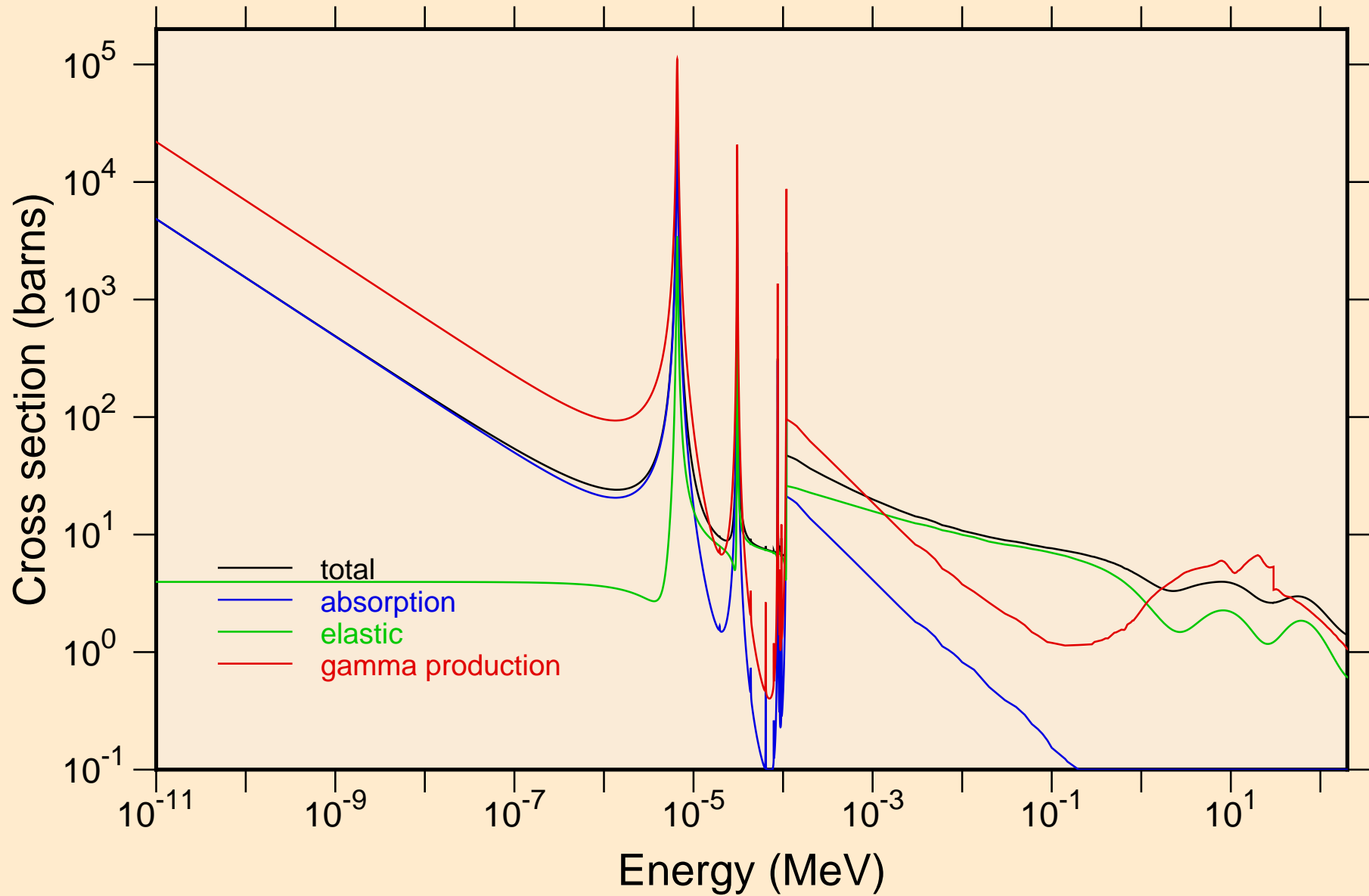
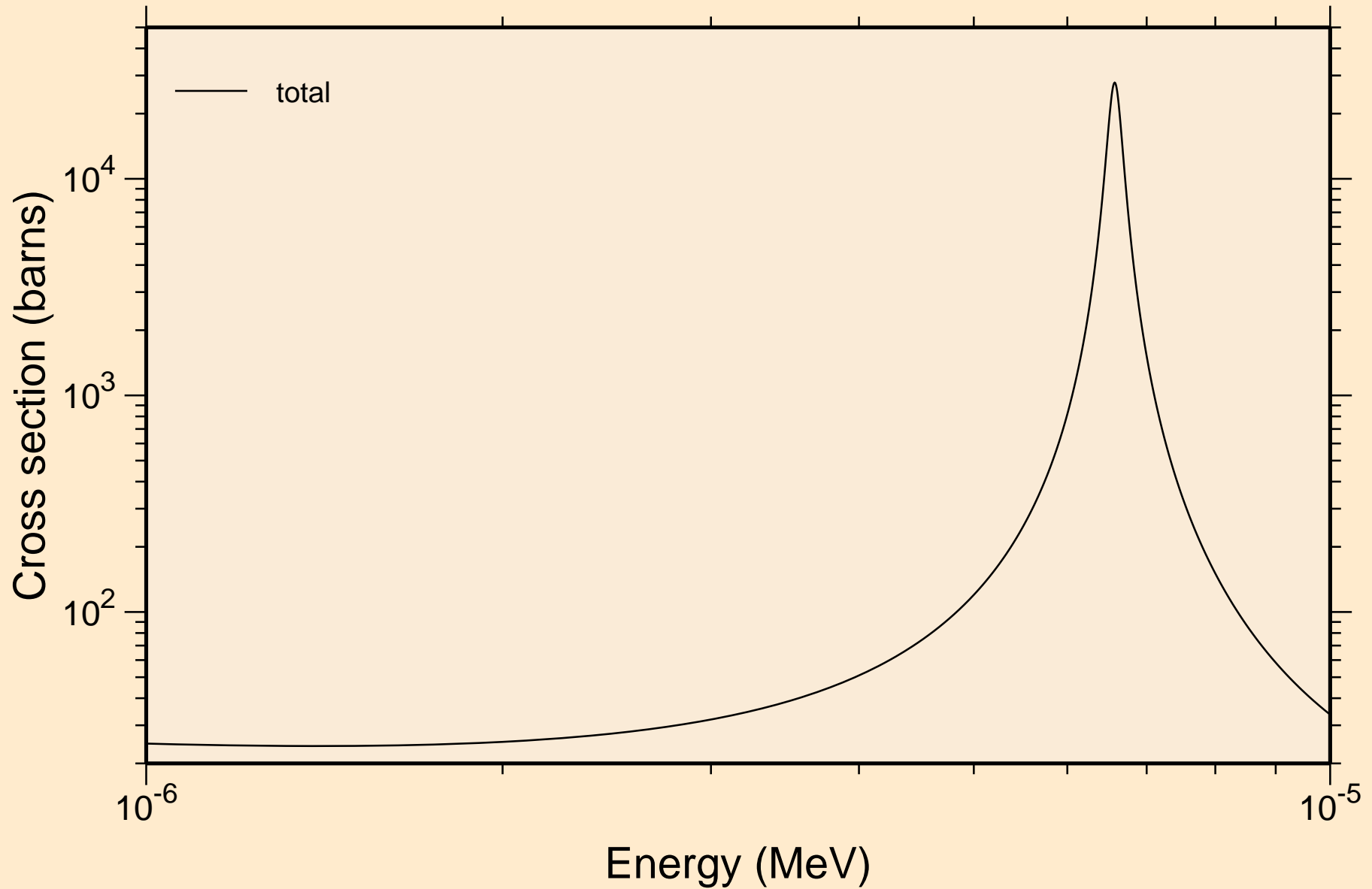


# SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

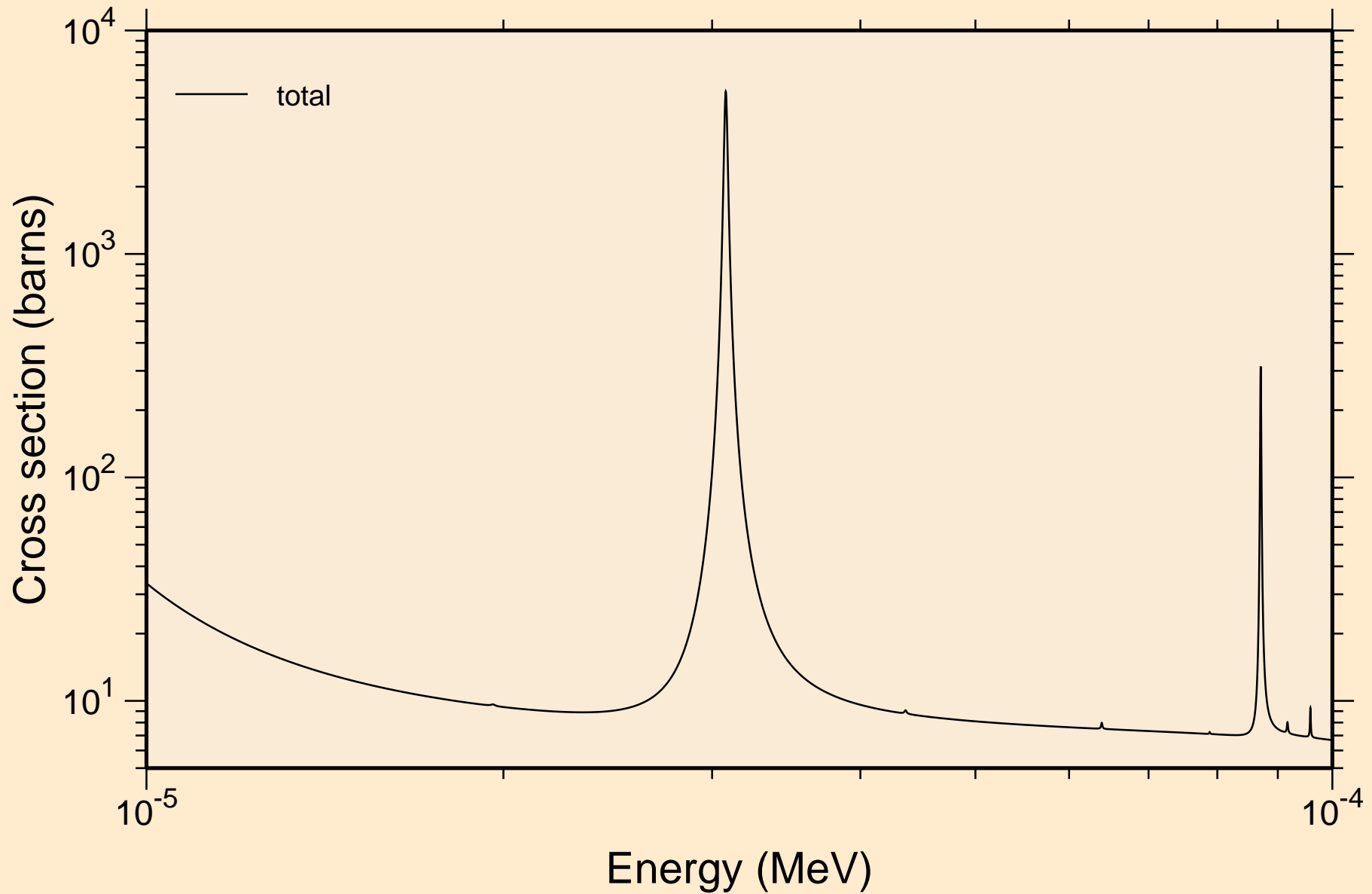
## Principal cross sections



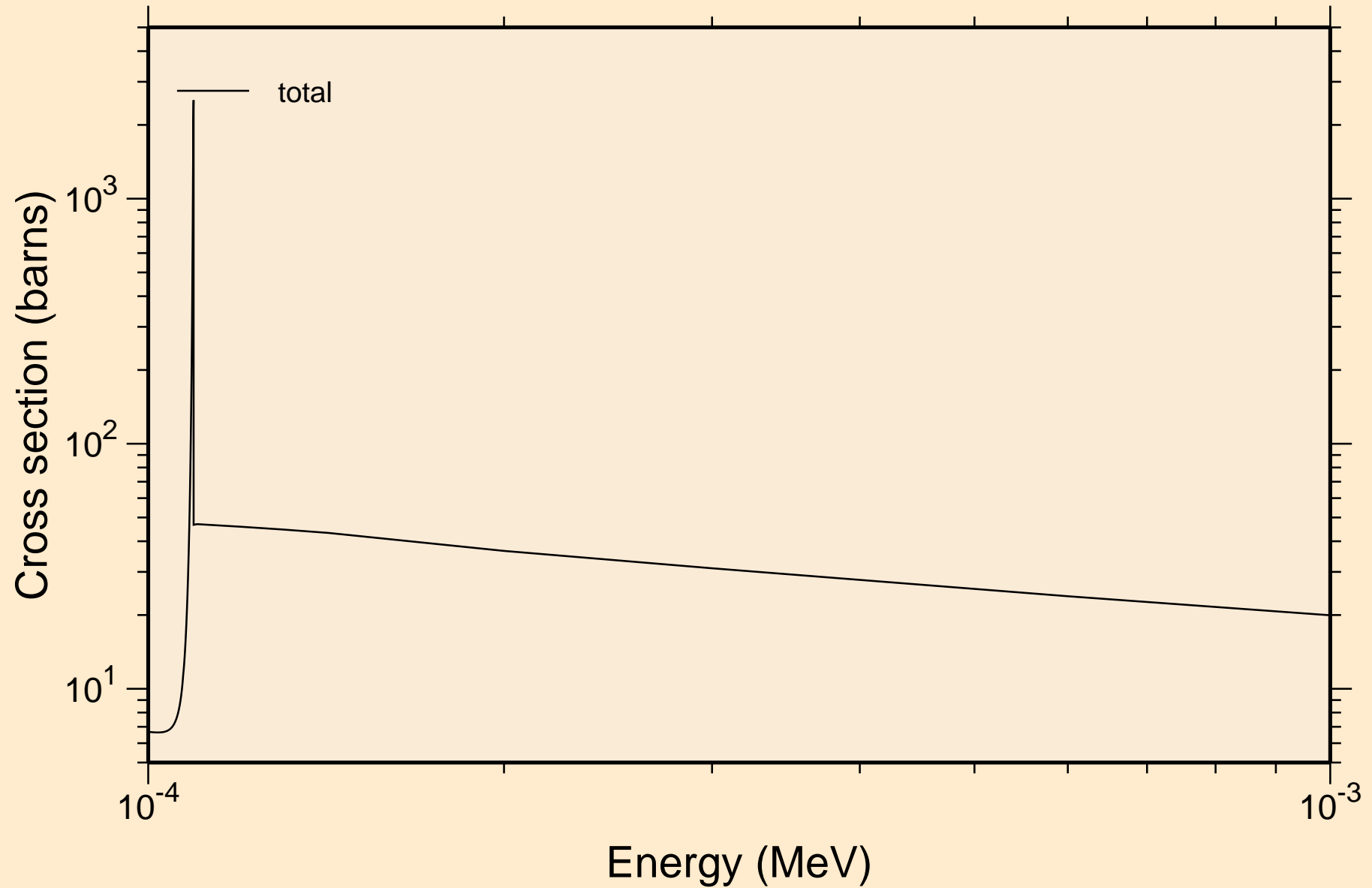
SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



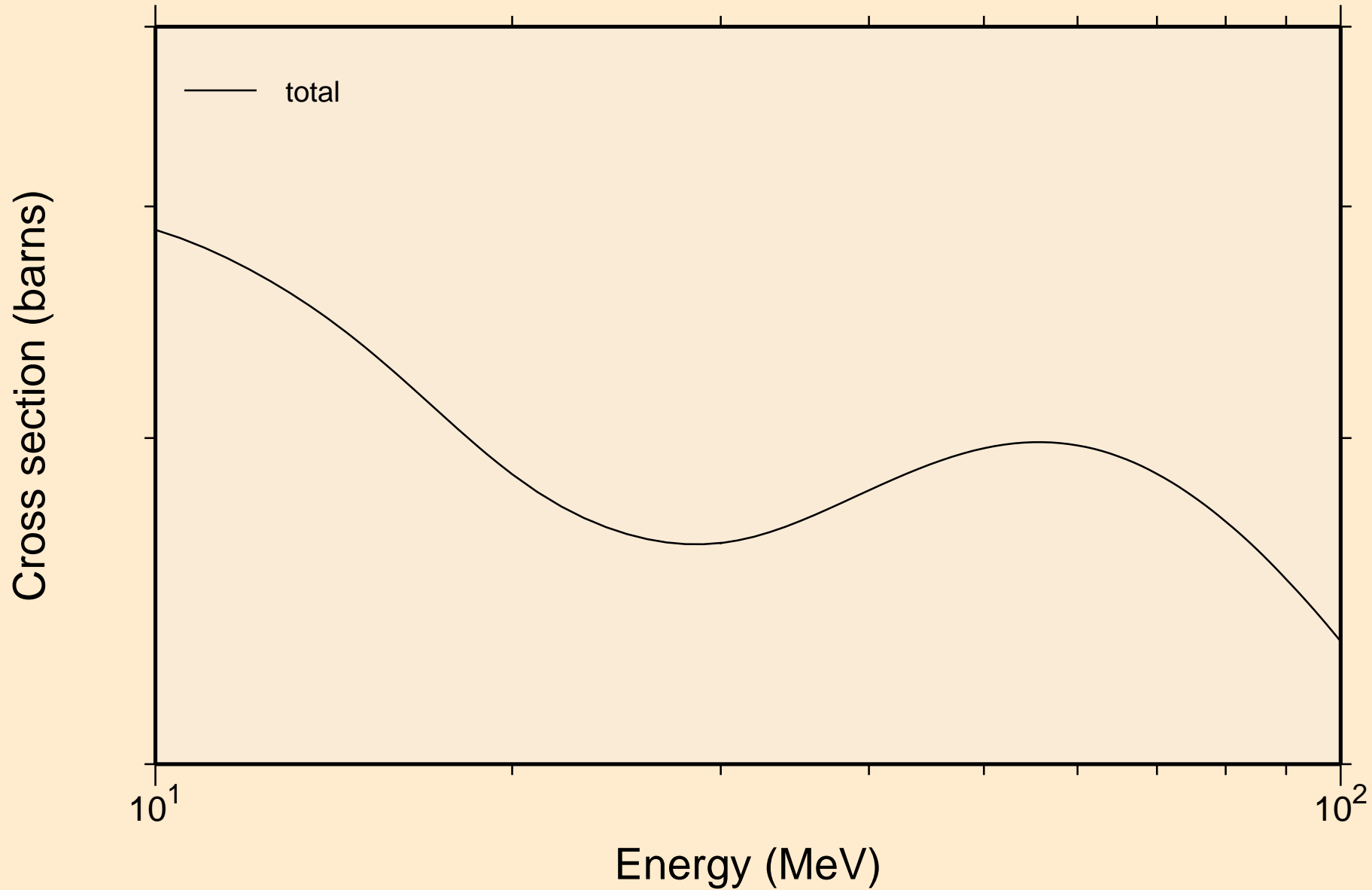
SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



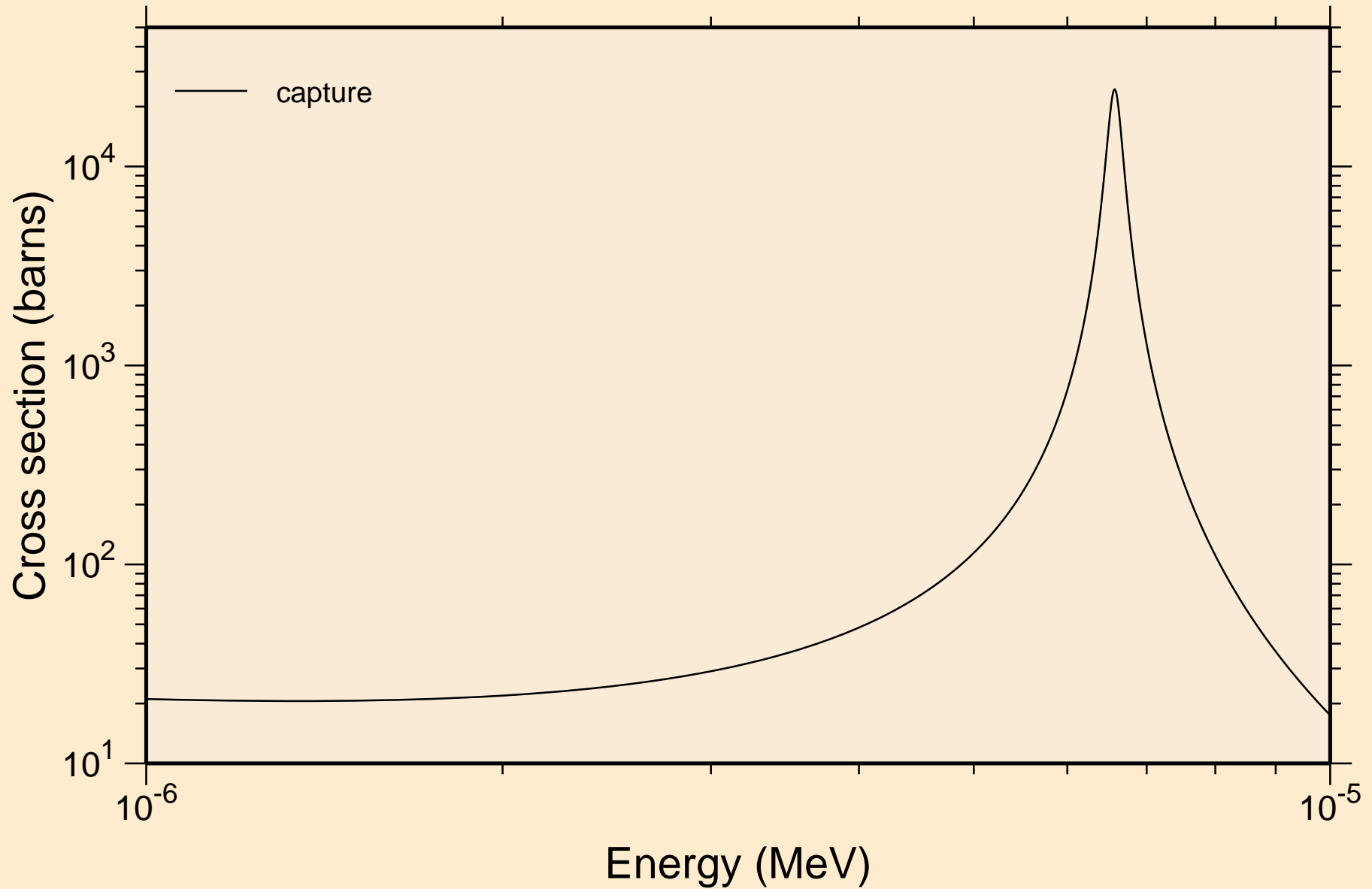
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resonance total cross section



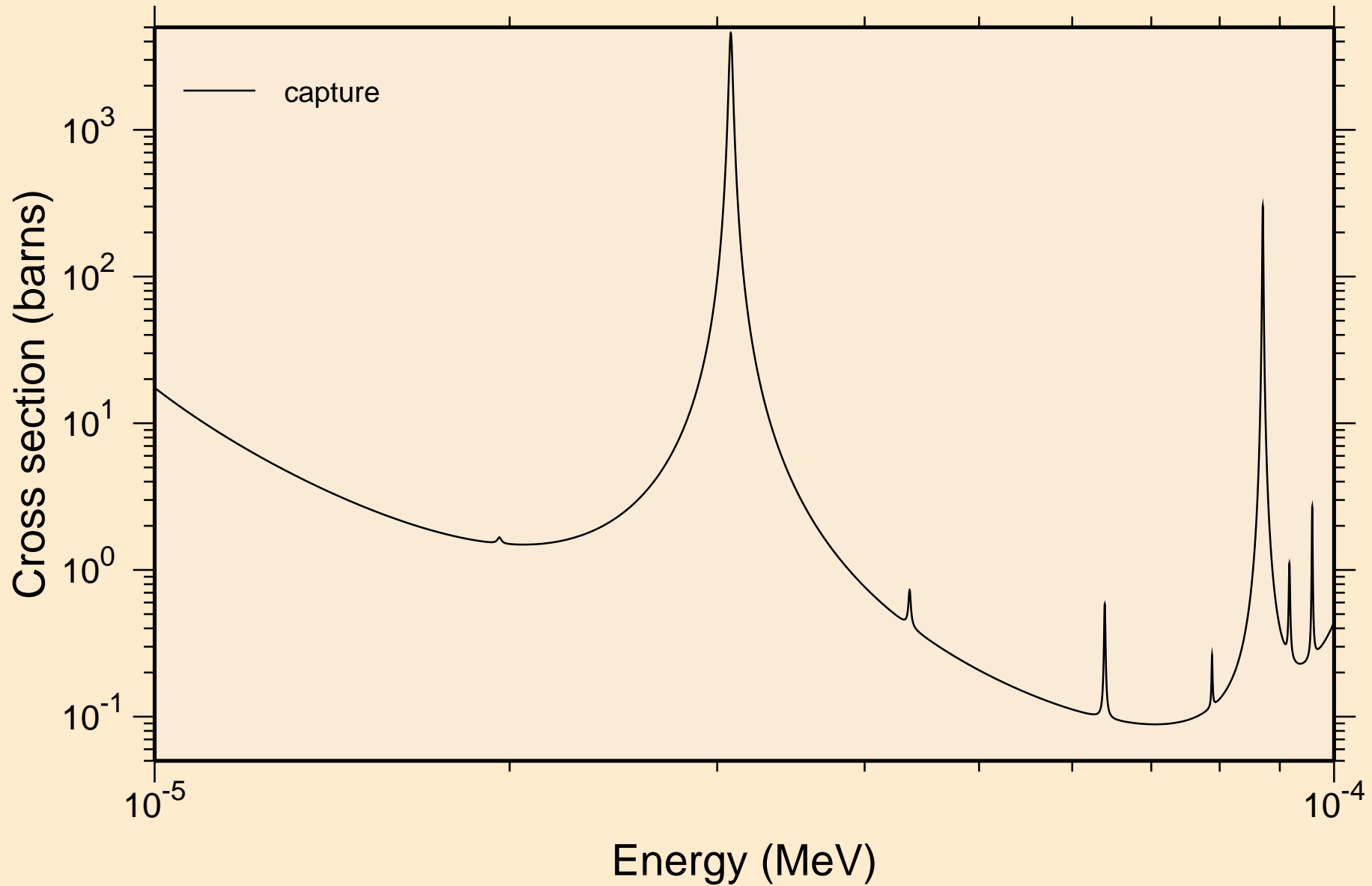
S $\bar{E}$ 077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



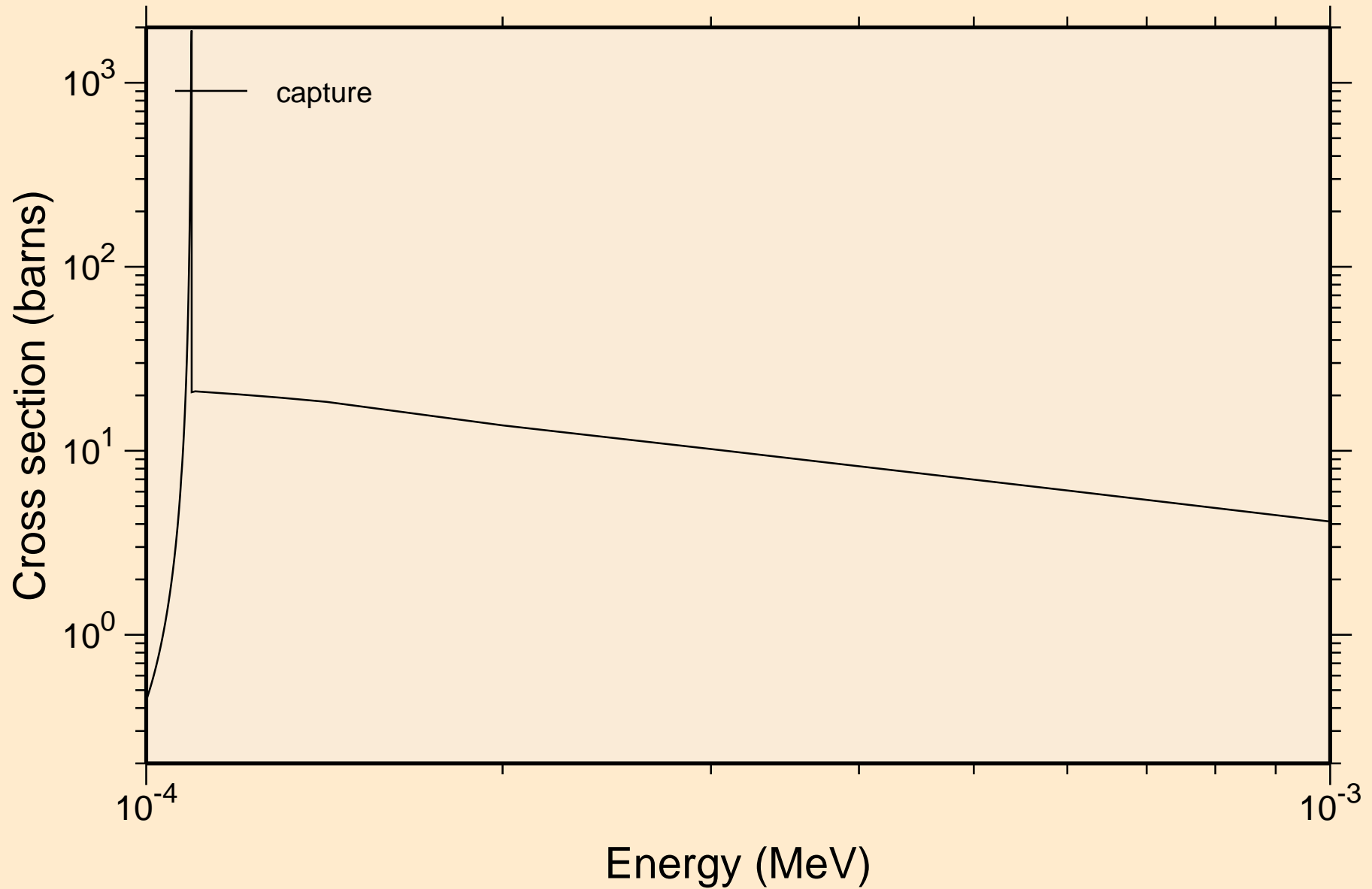
SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

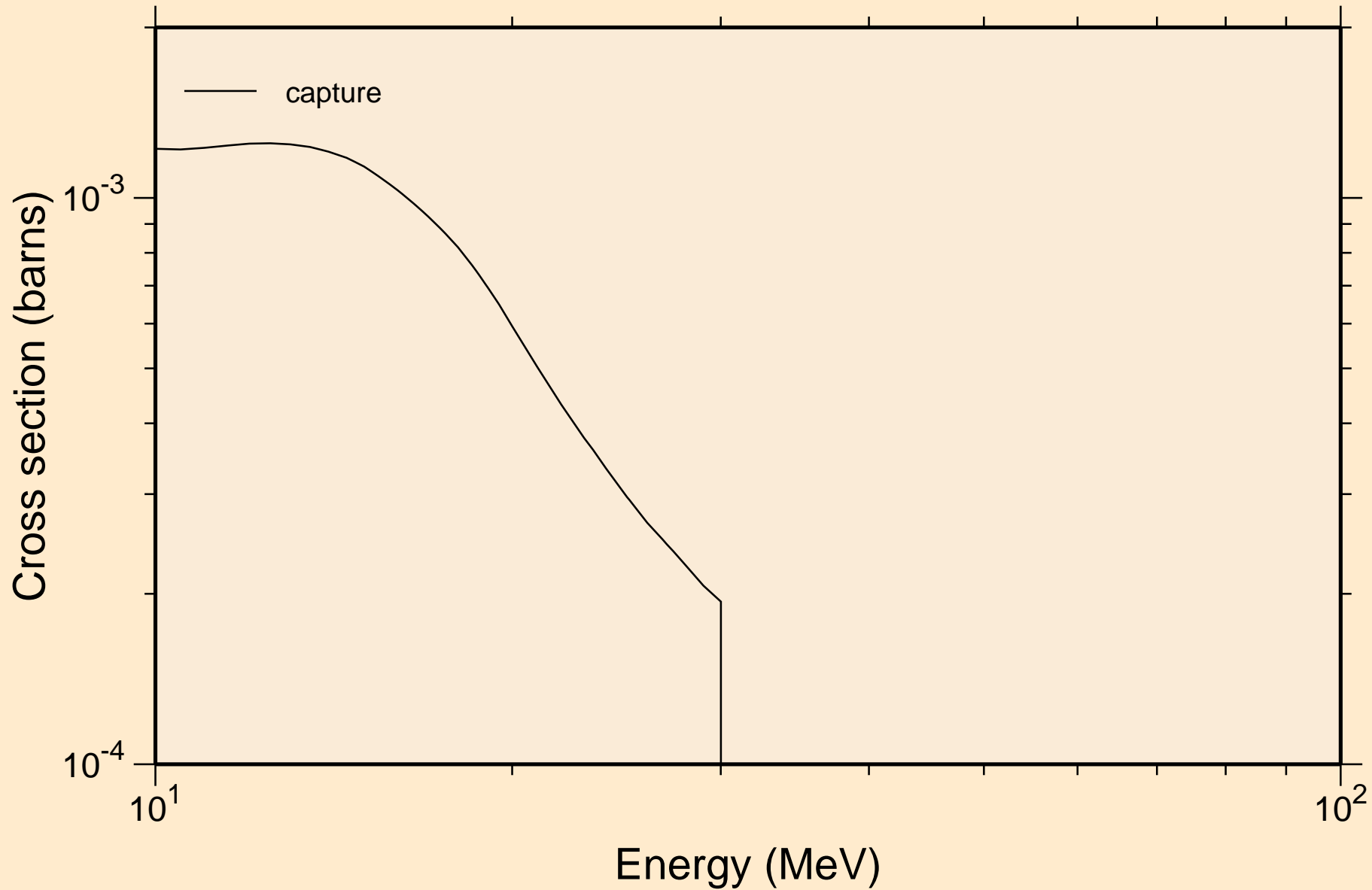


SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



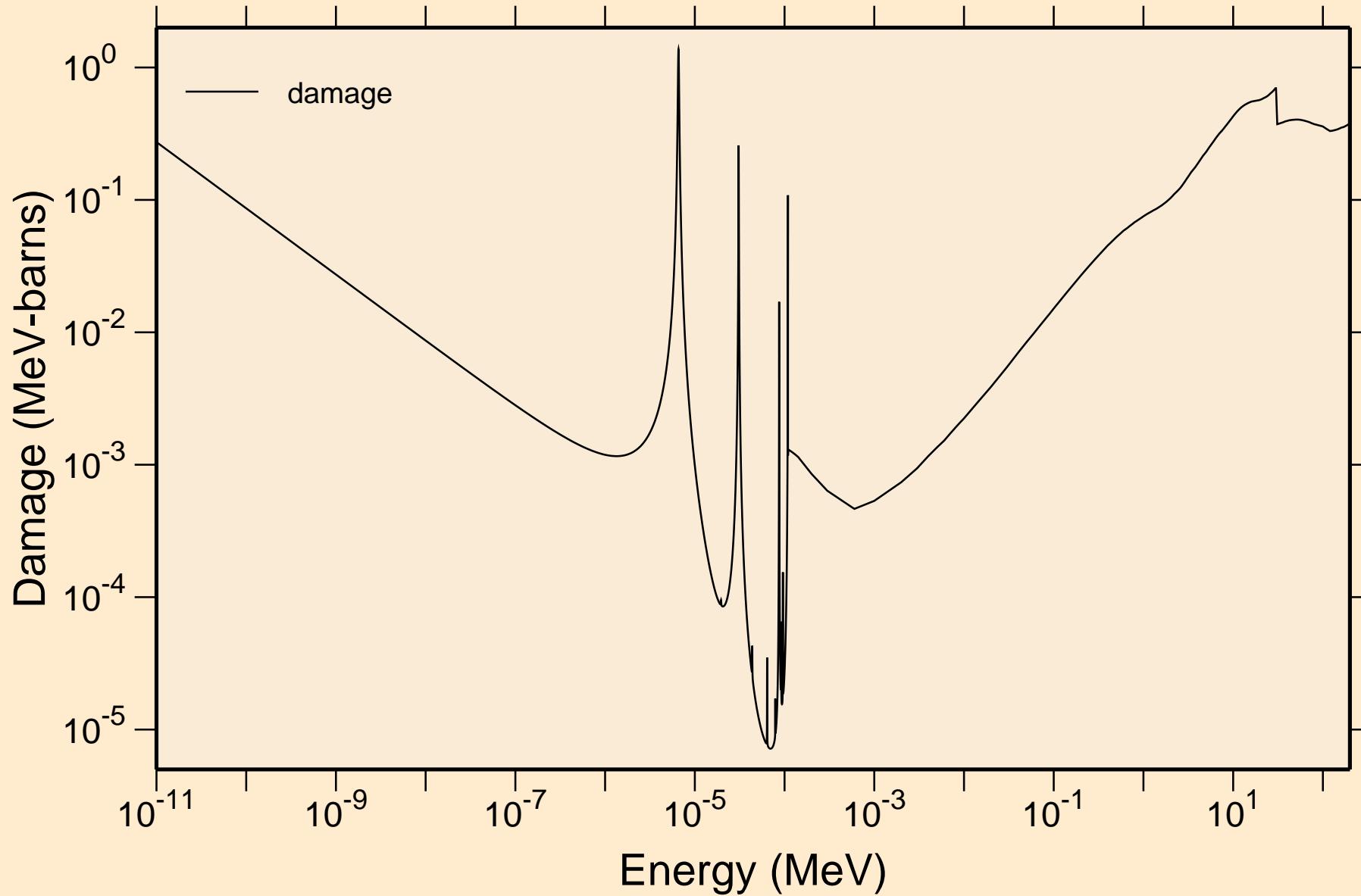


SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



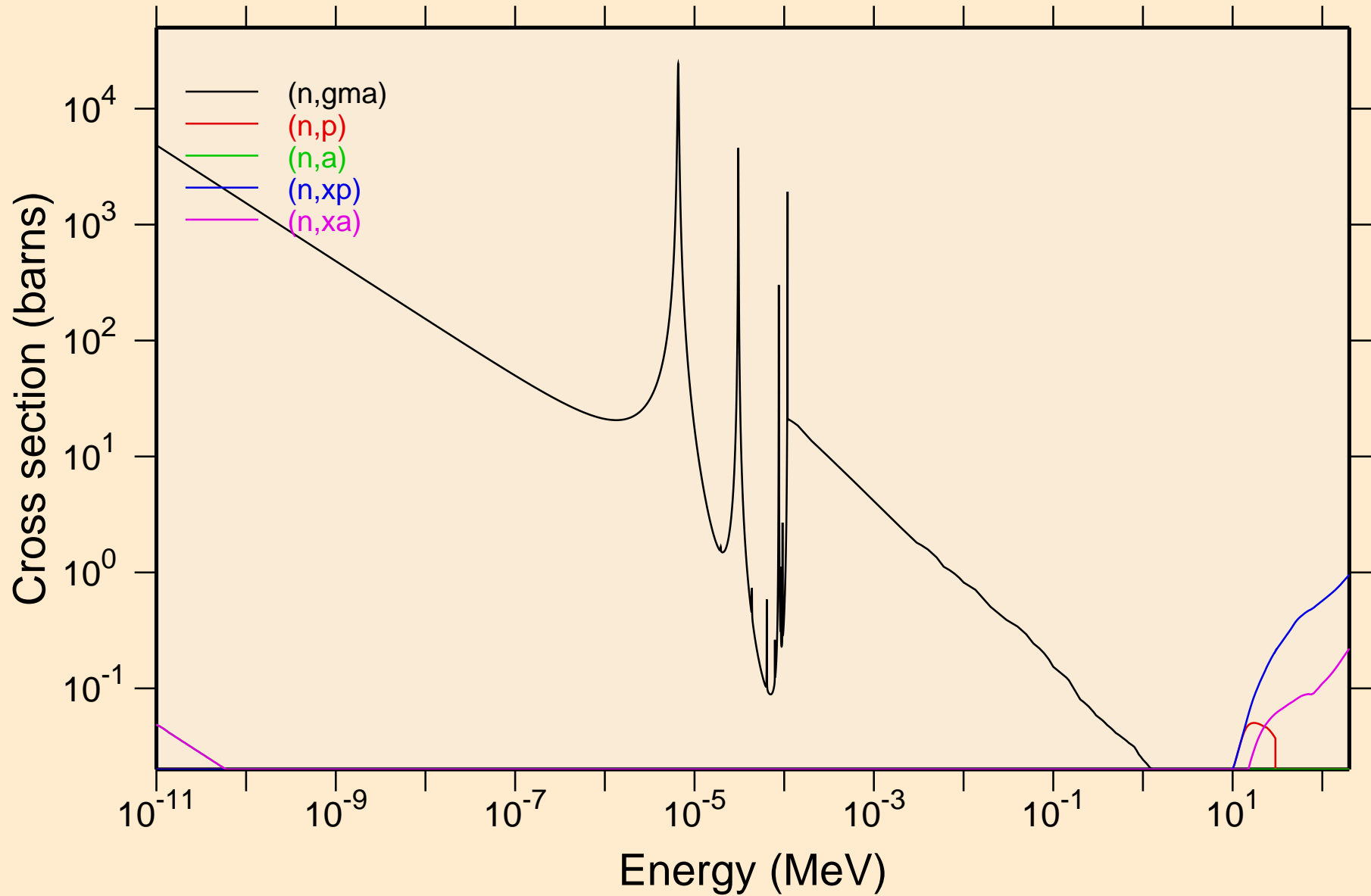


SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



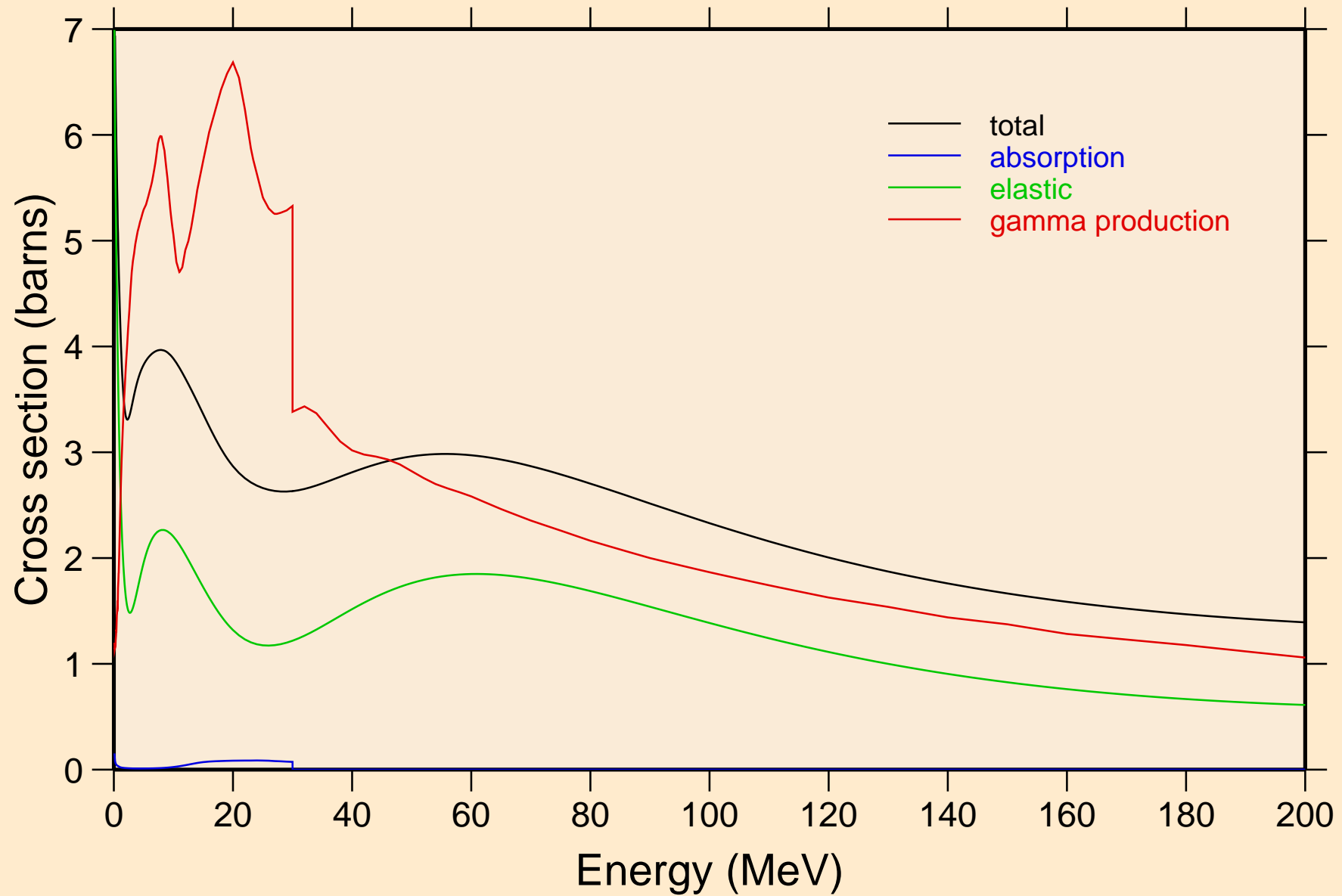
# SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions



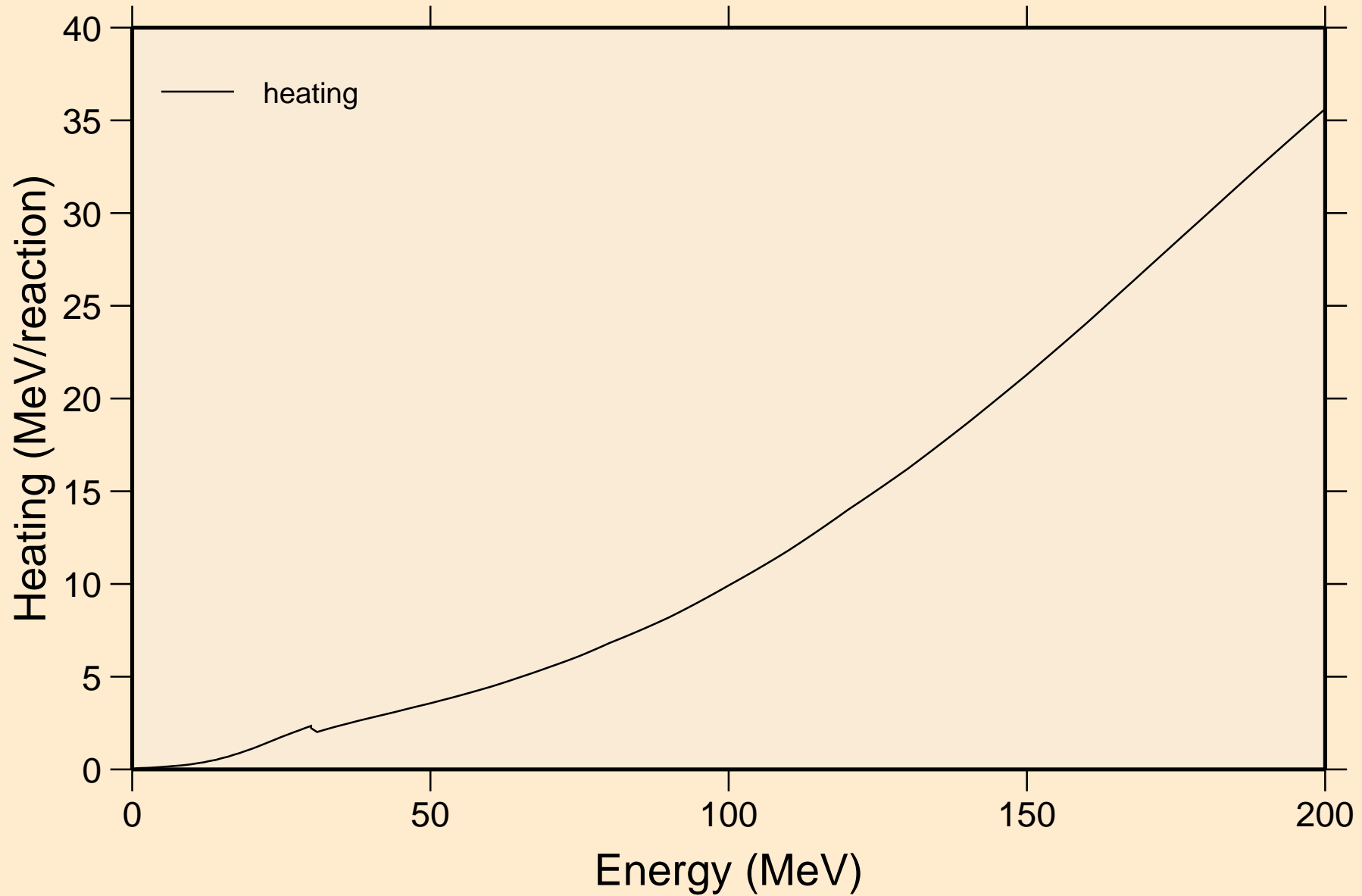
# SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



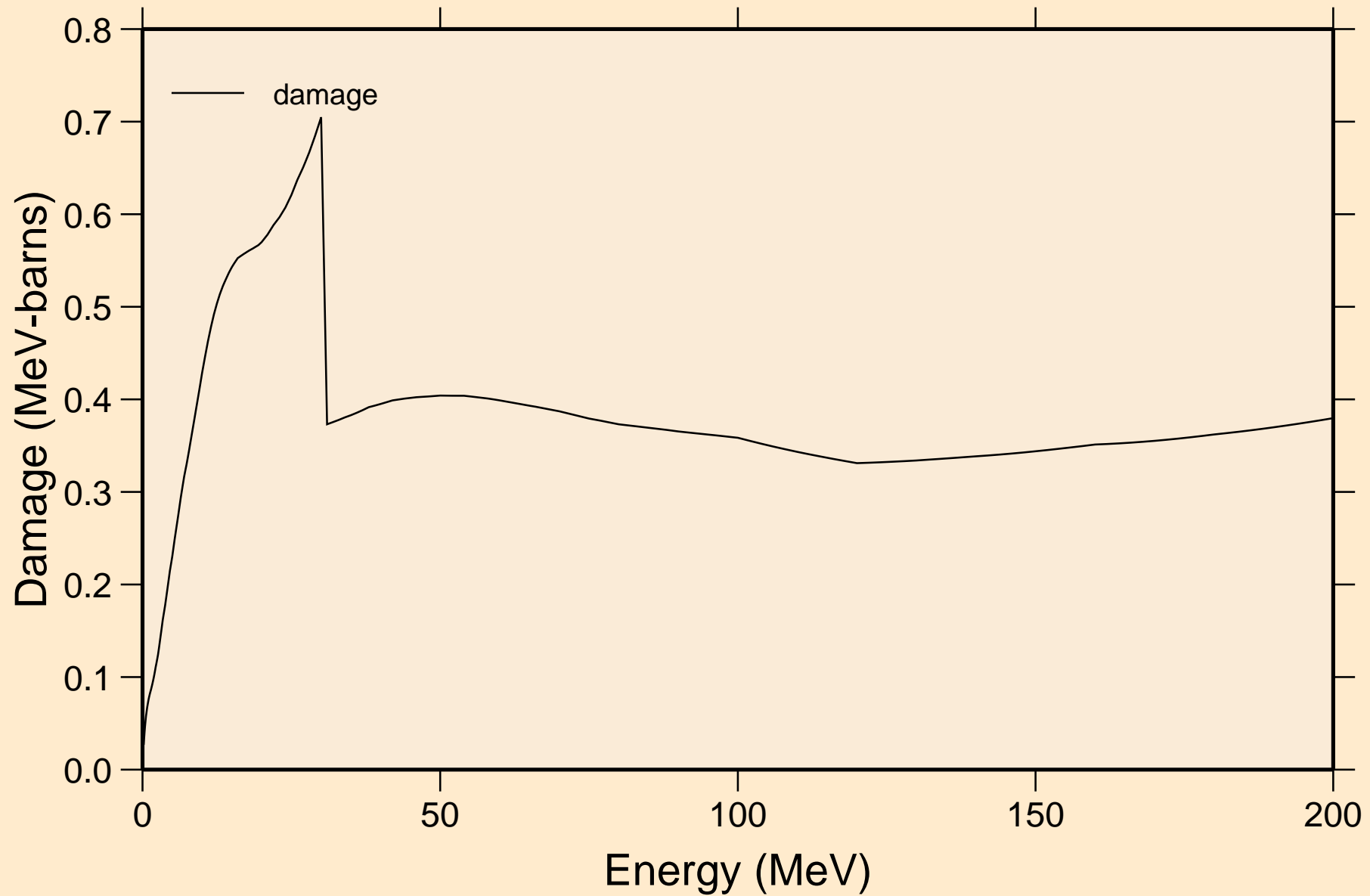
# SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

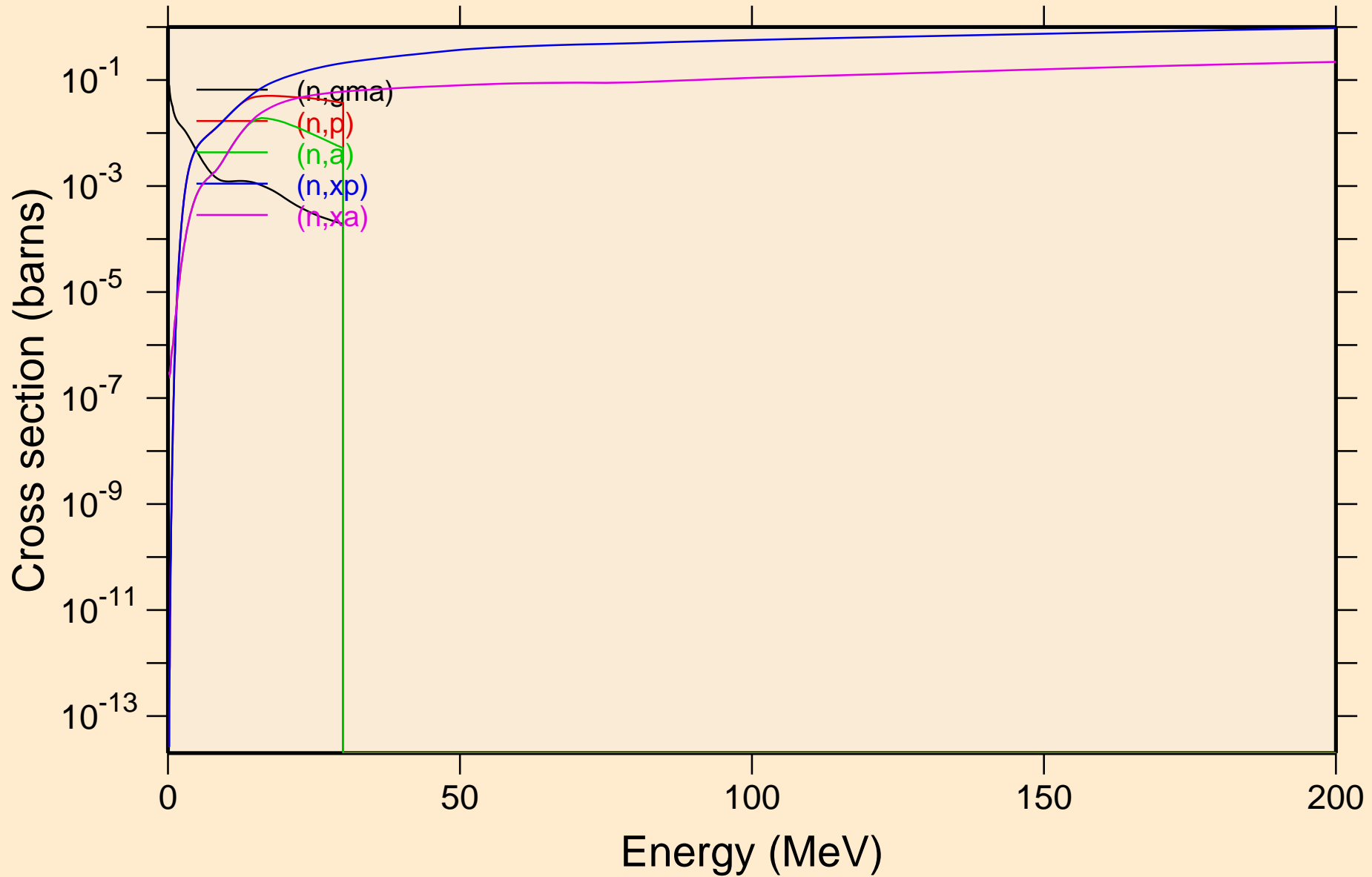


# SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

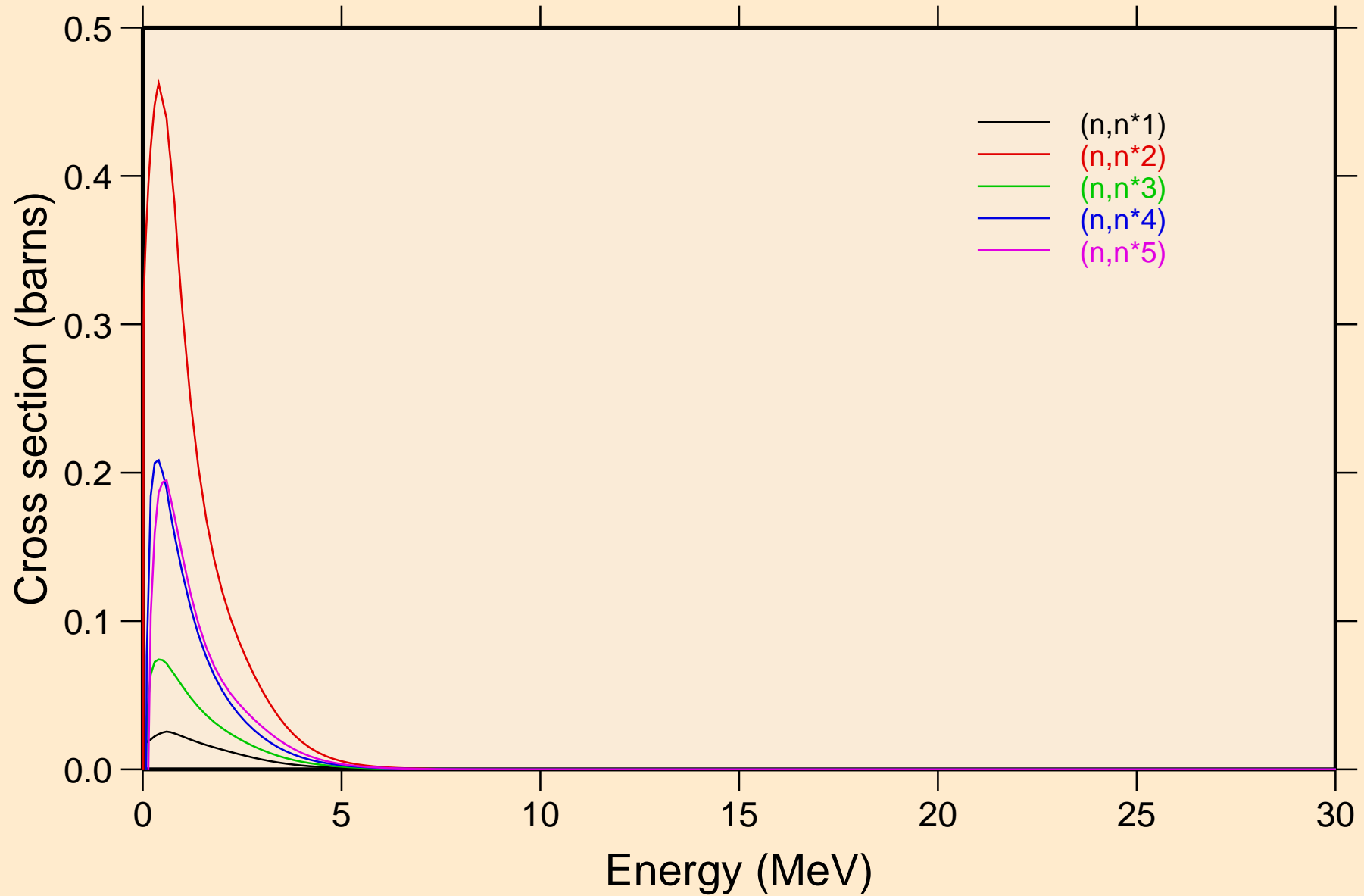


SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

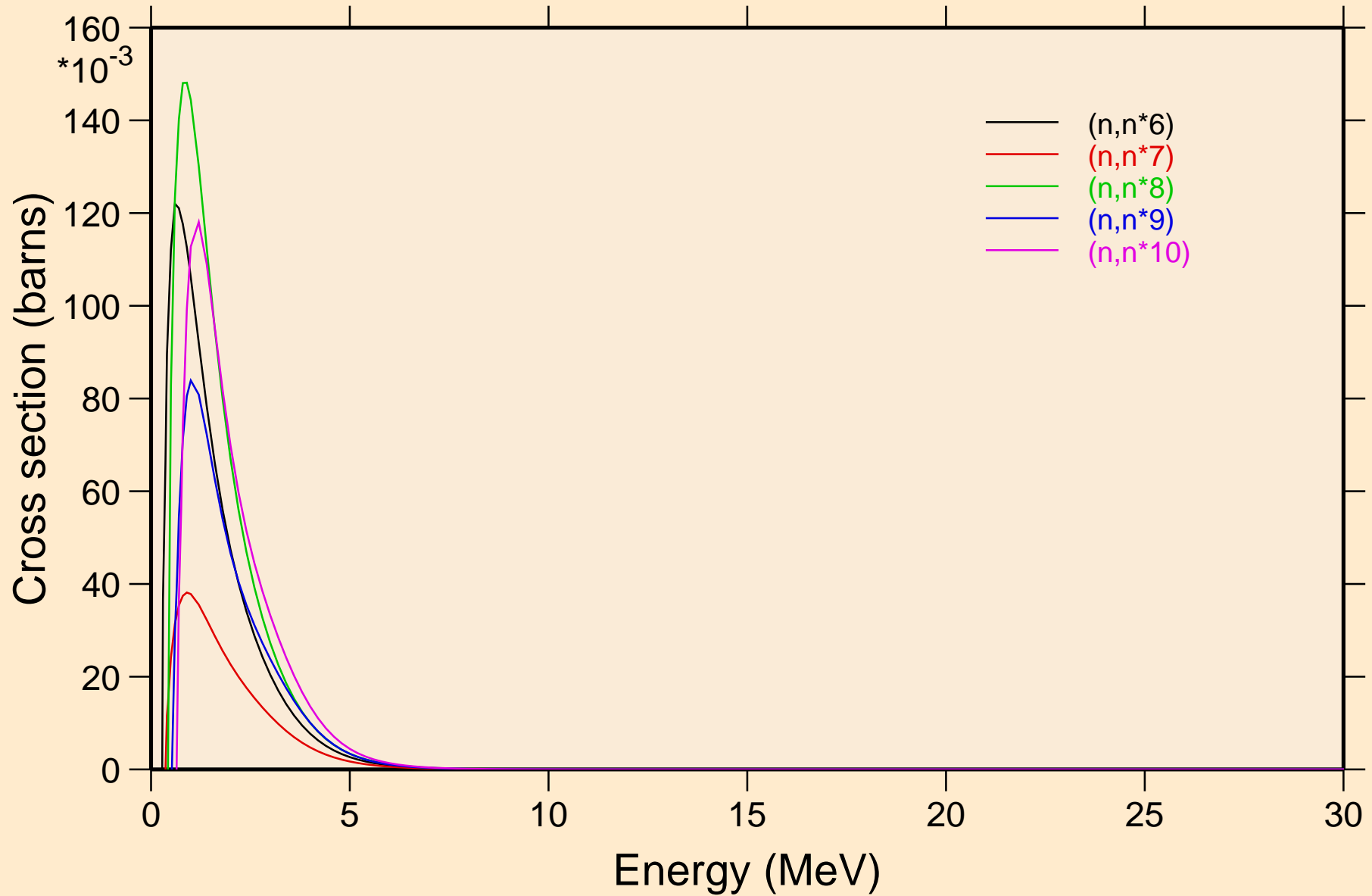




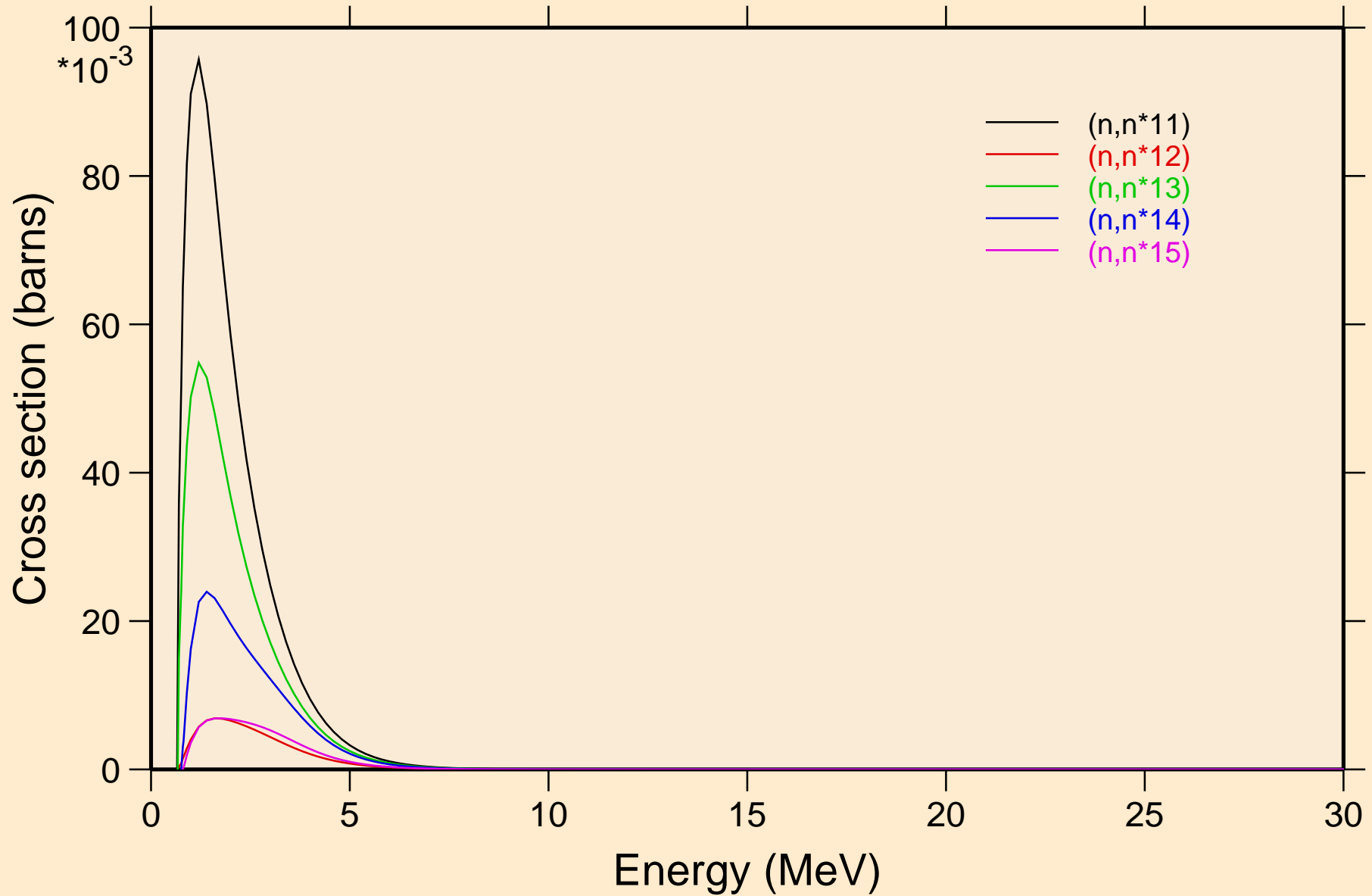
SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



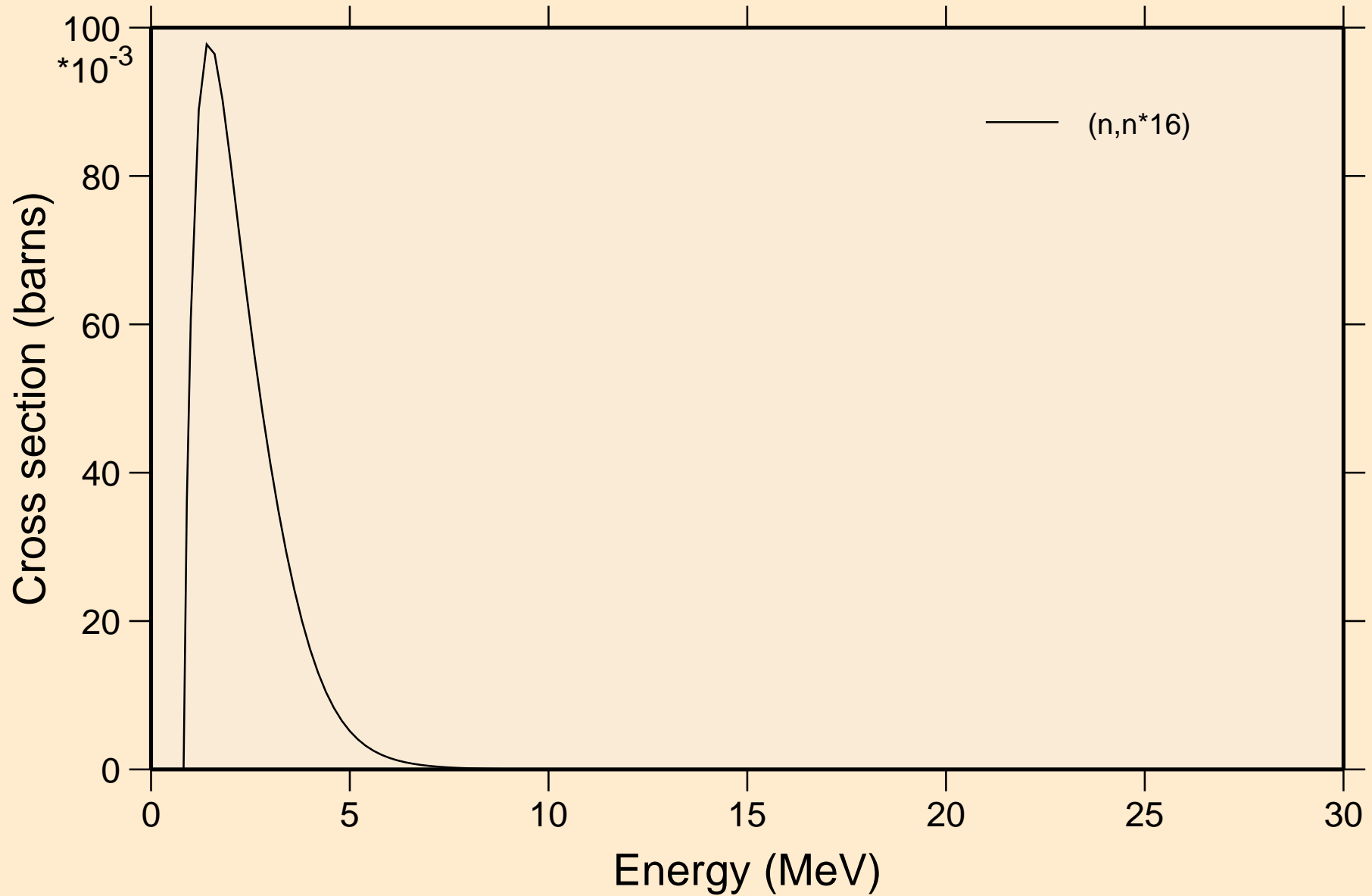
SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



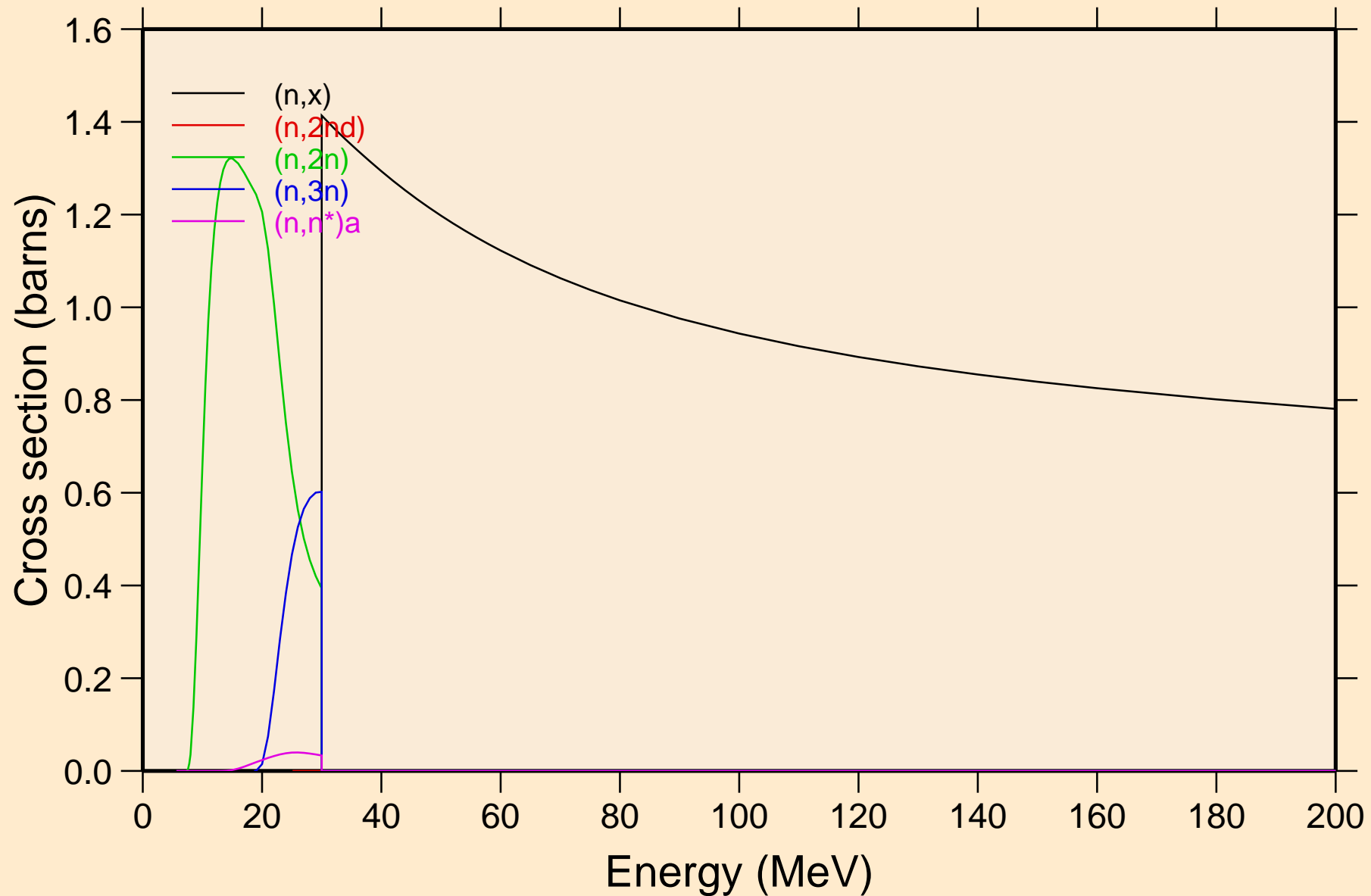
SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

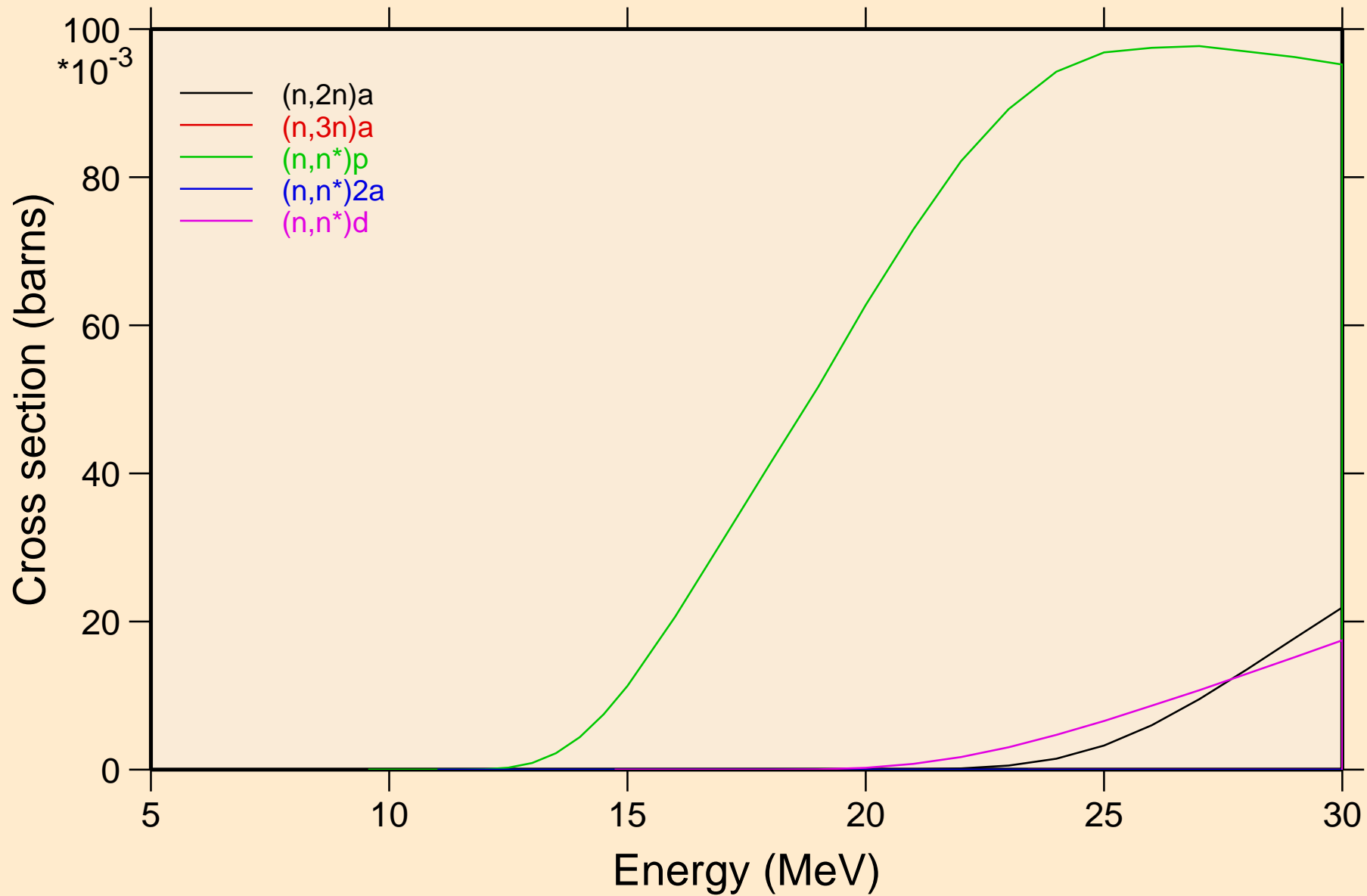


SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



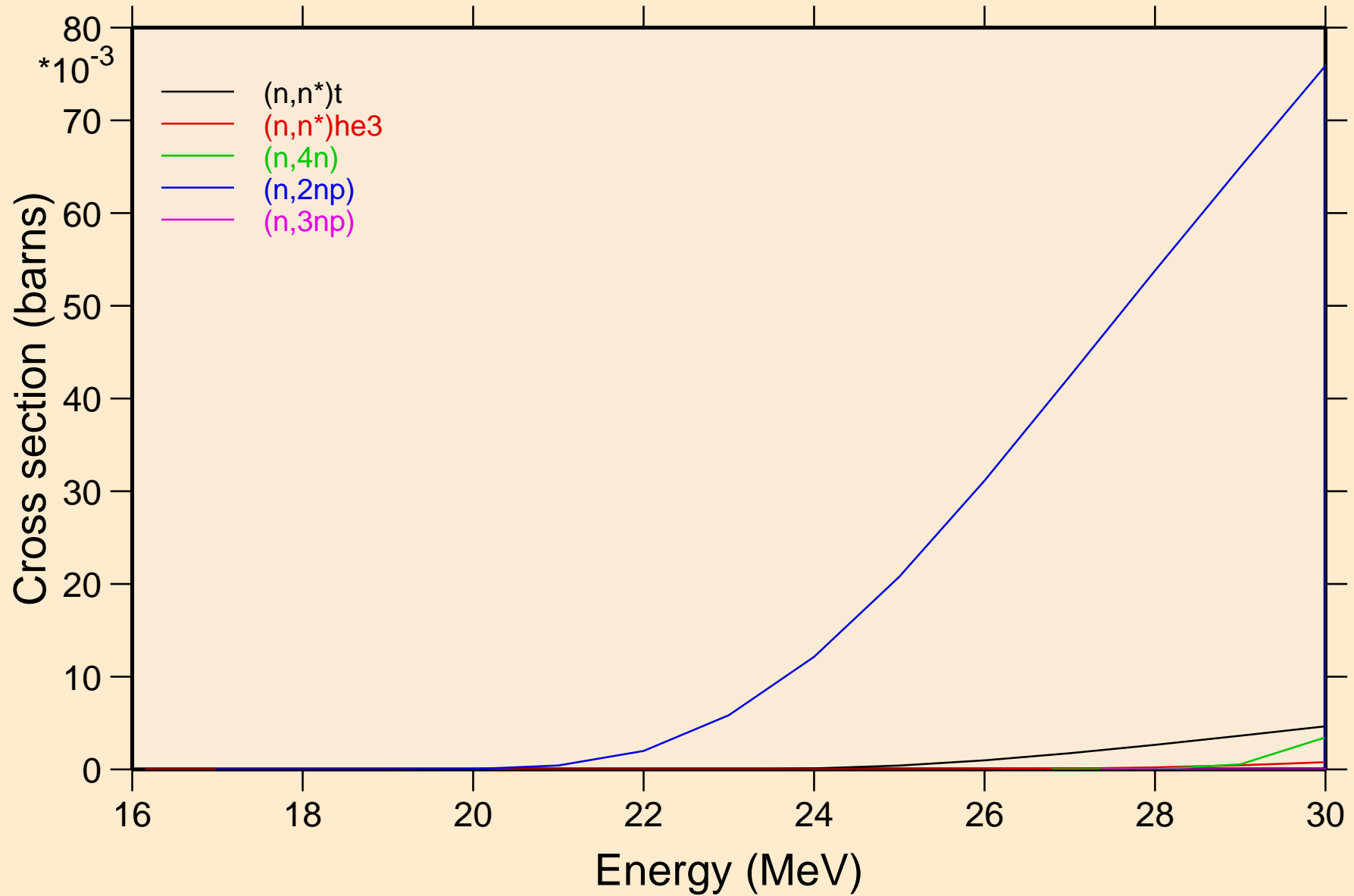
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## Threshold reactions



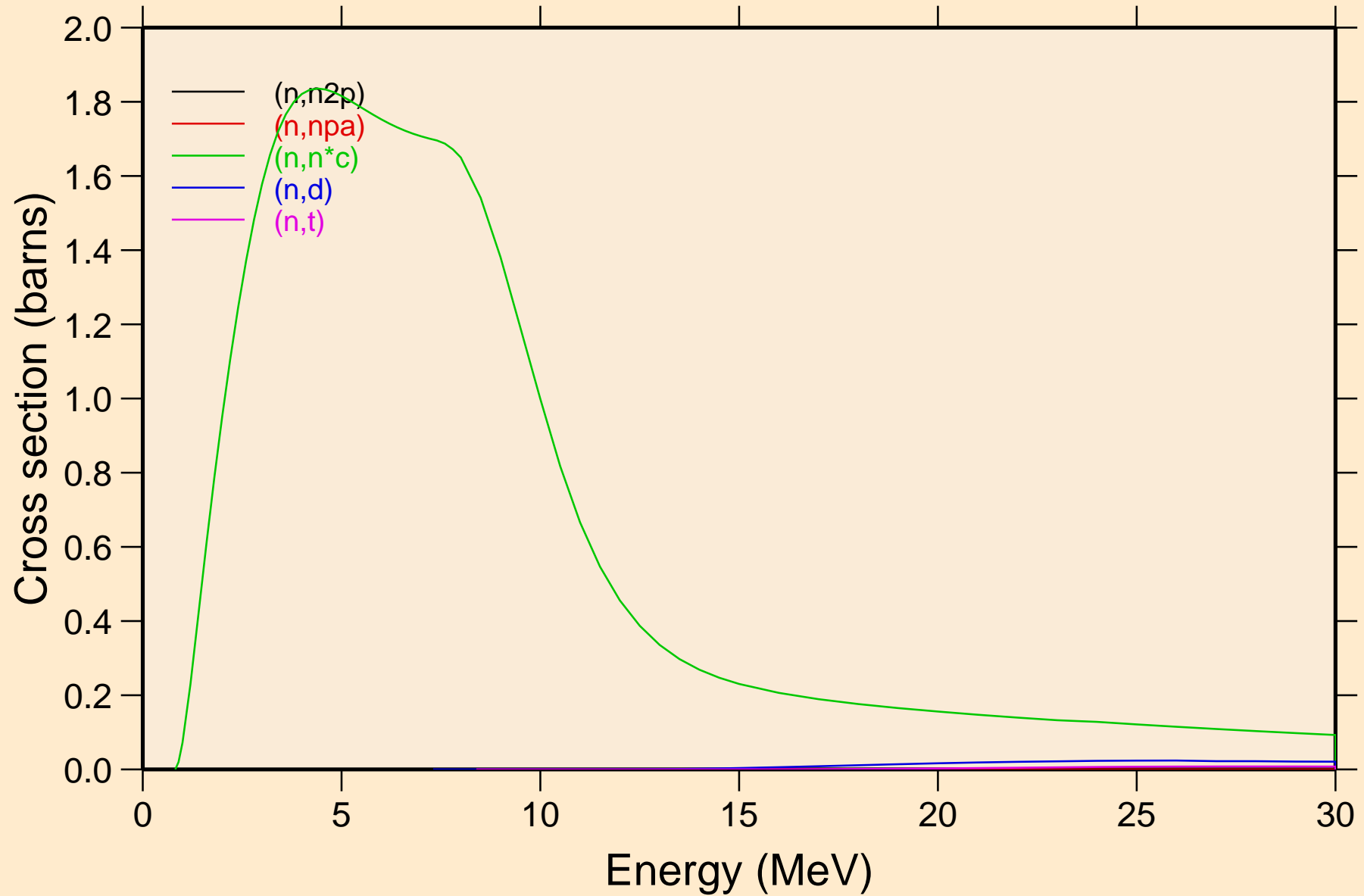
# SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



# SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

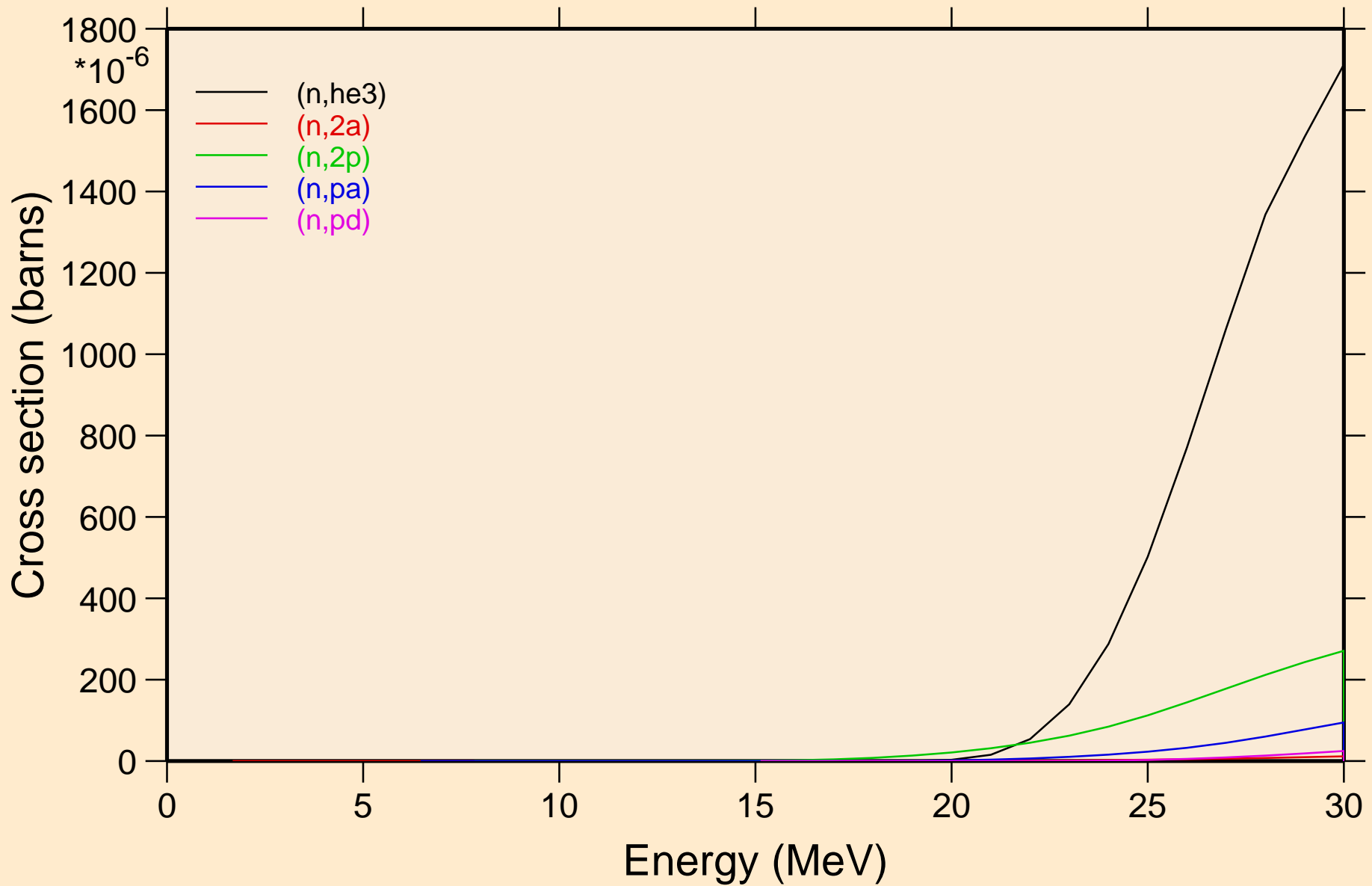
## Threshold reactions



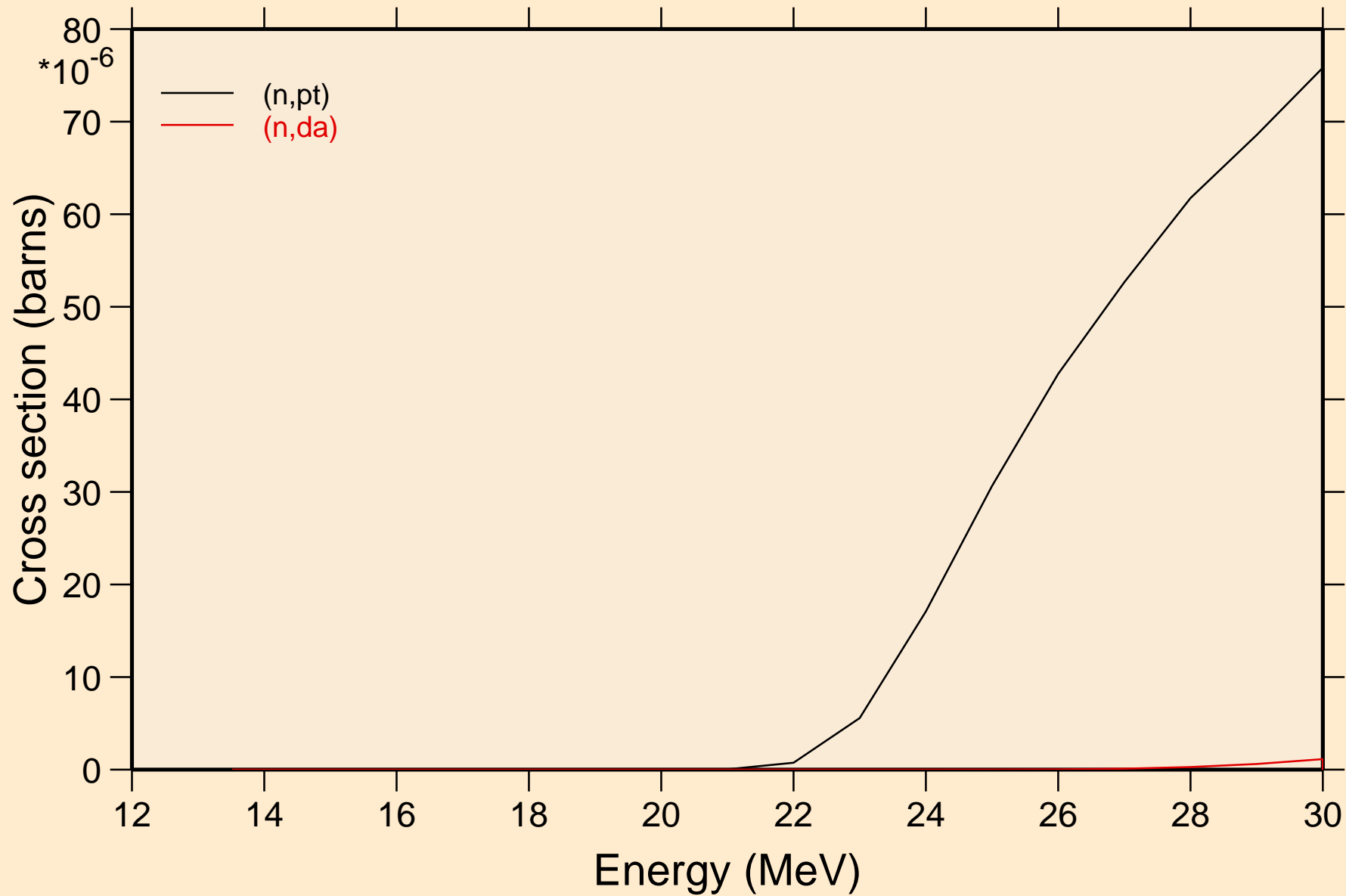


# SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

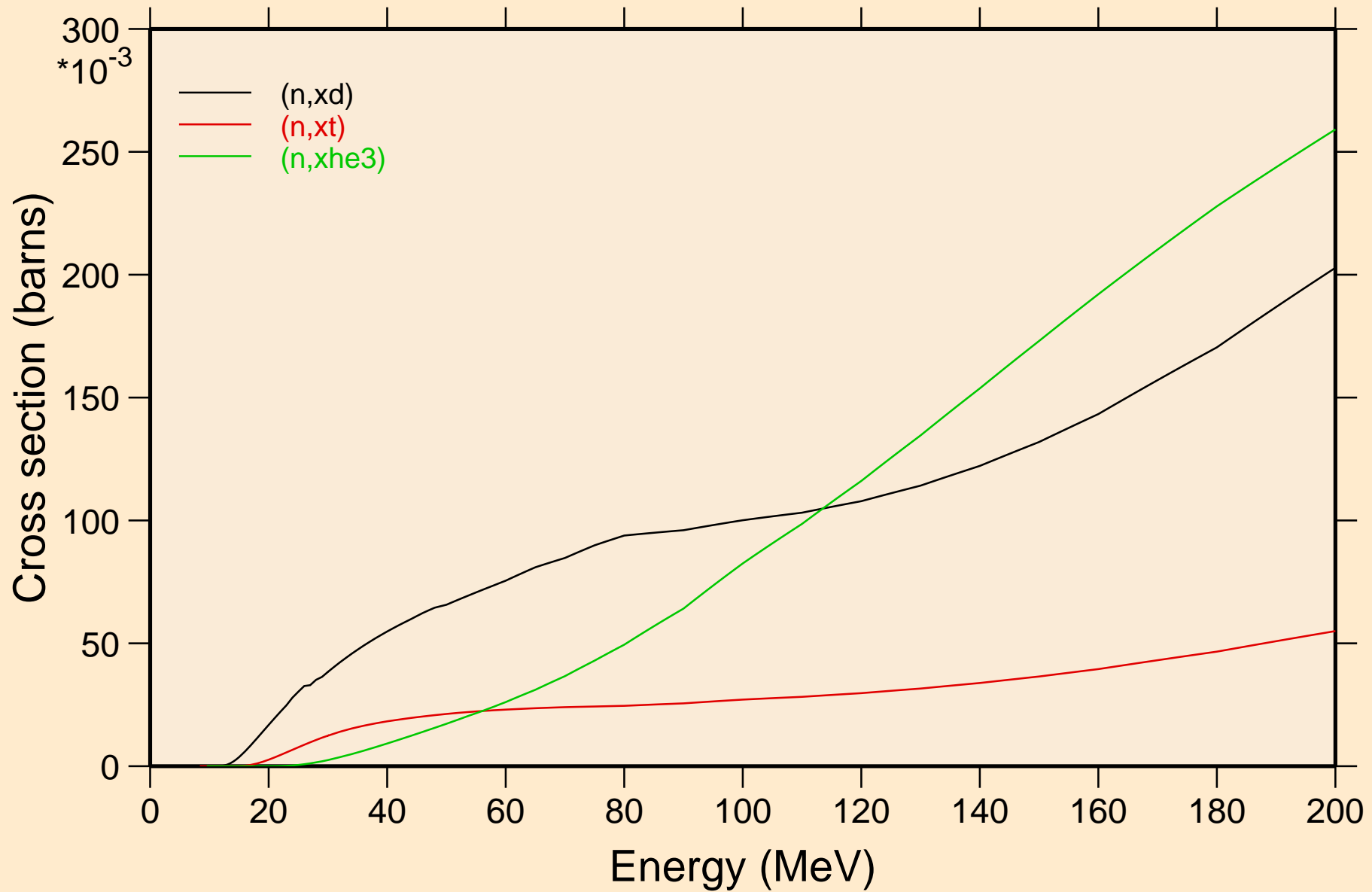


SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

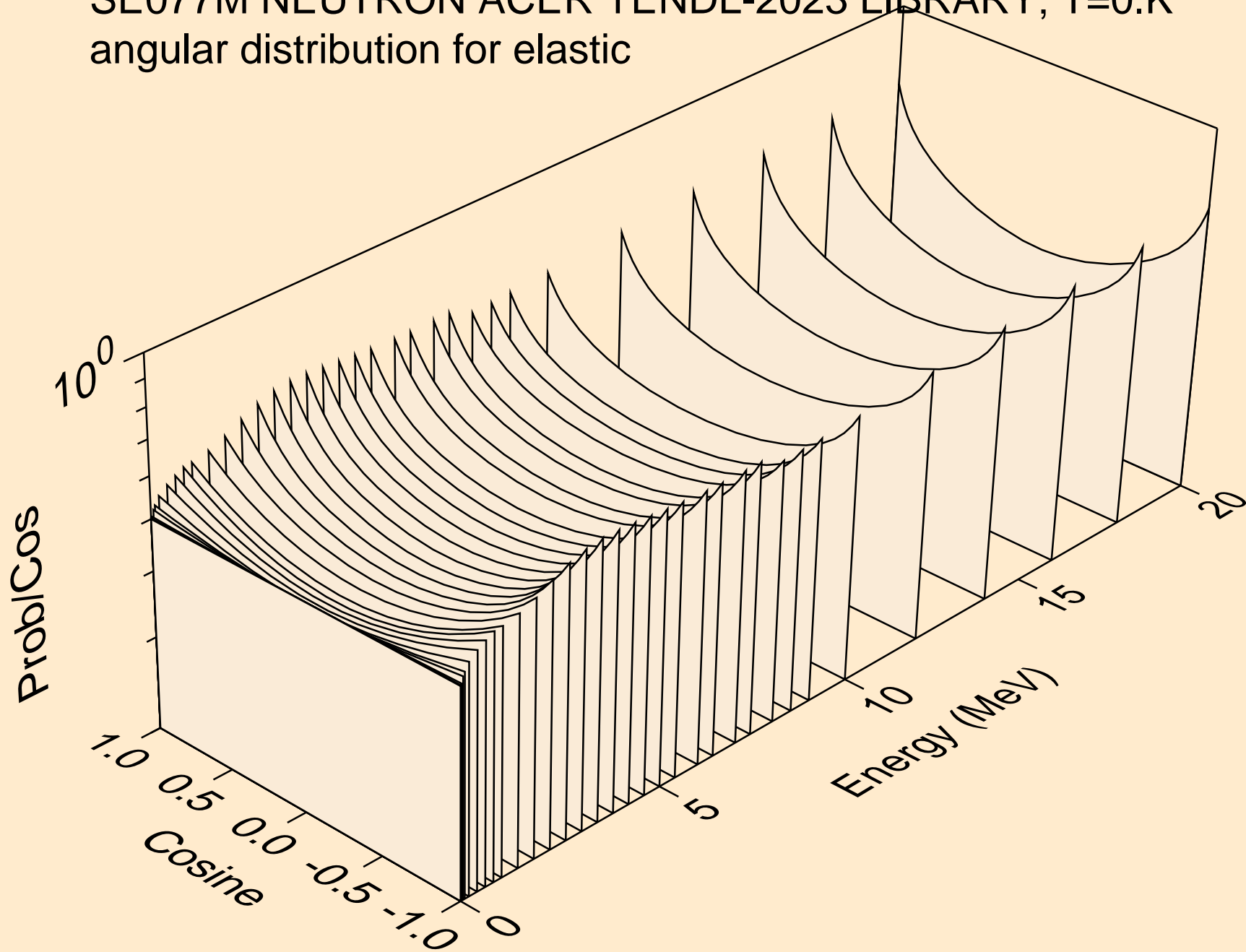


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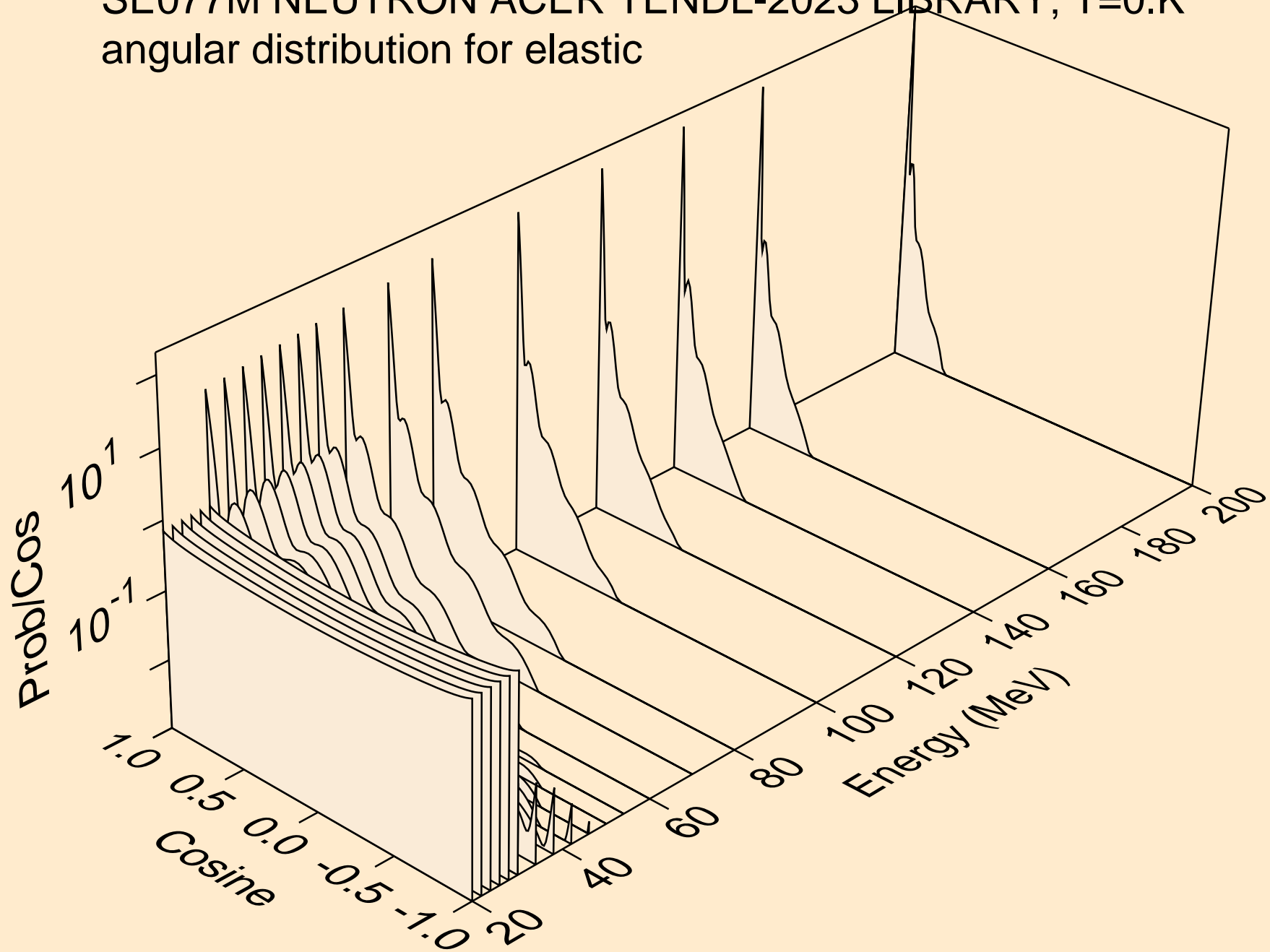
## Threshold reactions



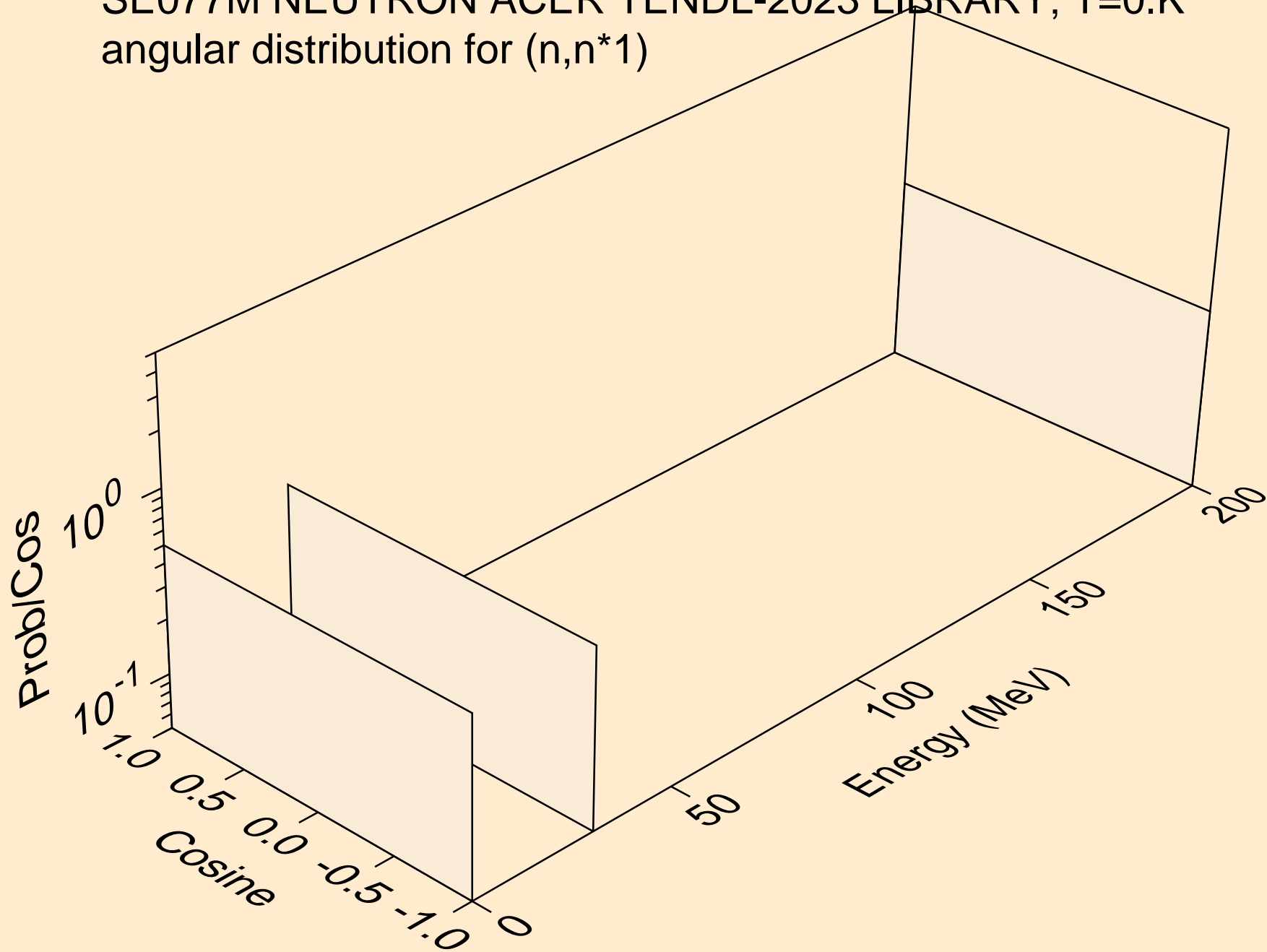
SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



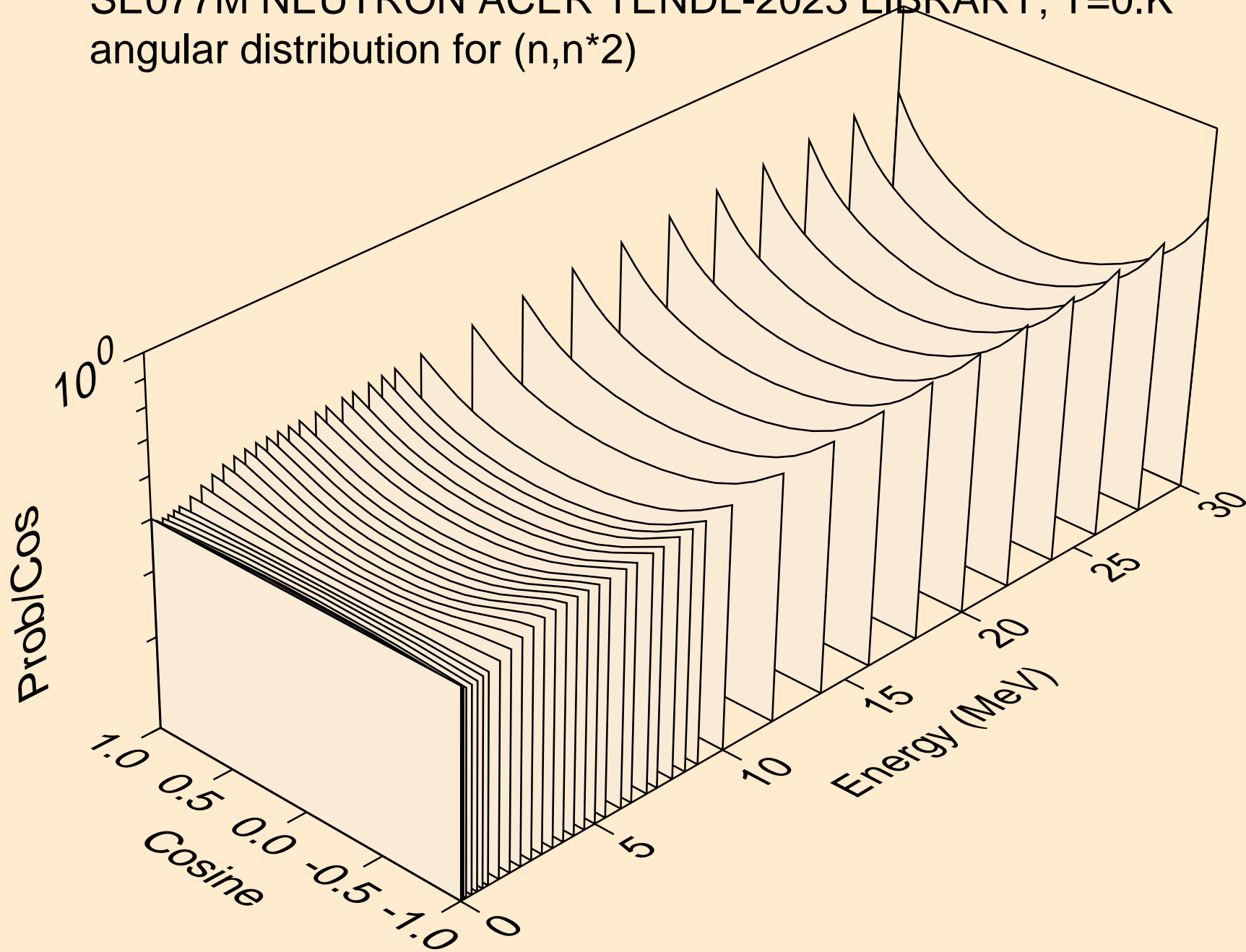
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angular distribution for elastic



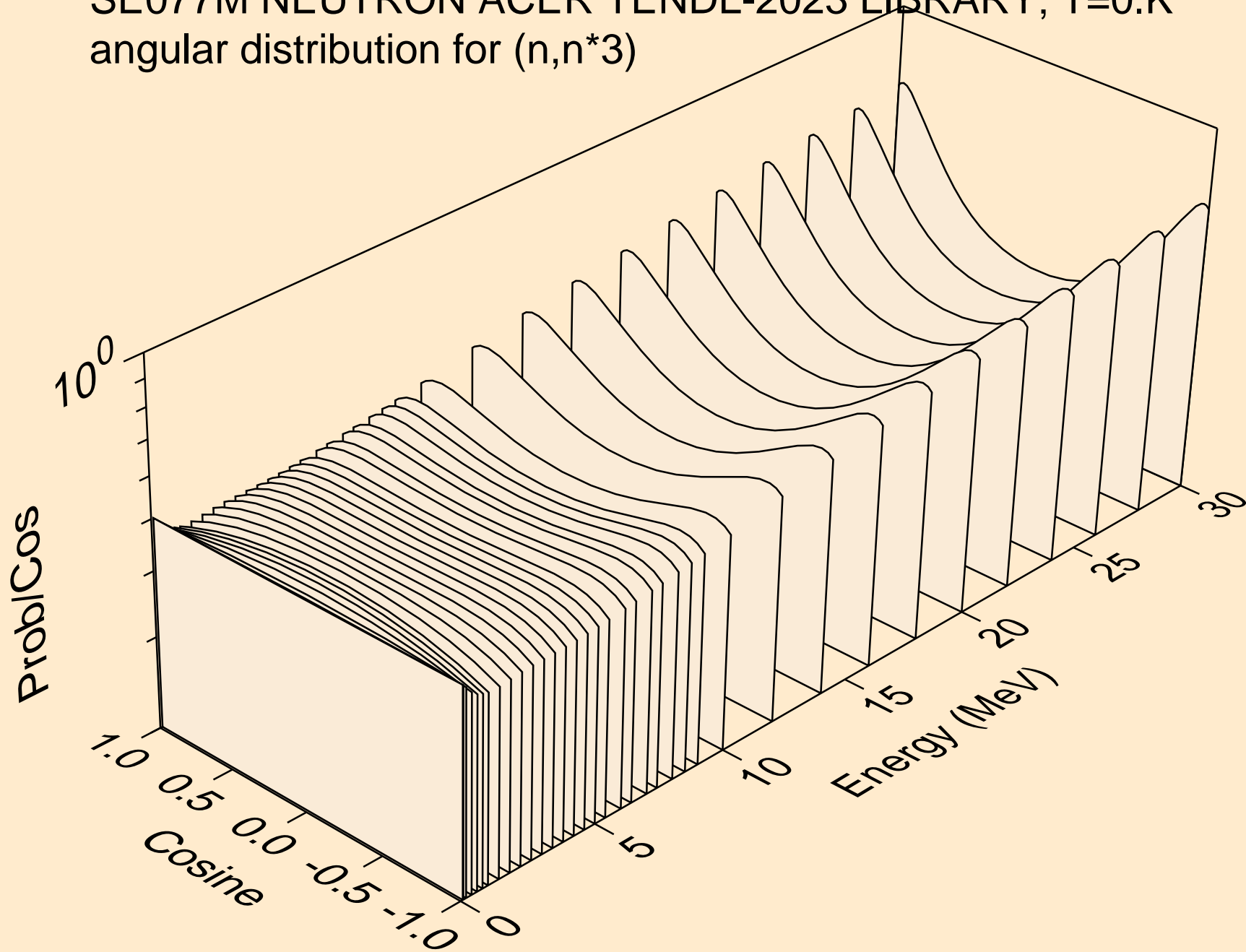
SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

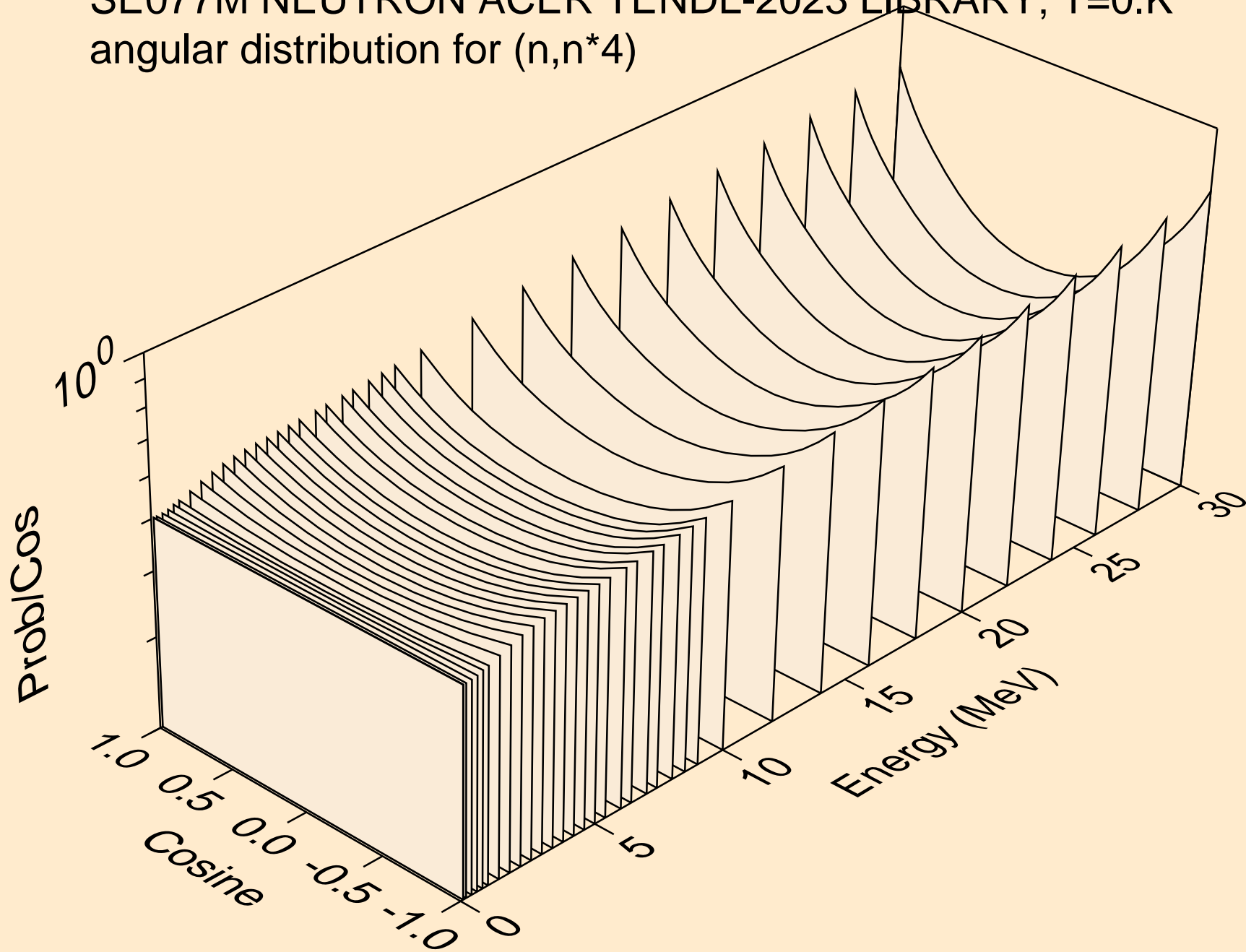


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angular distribution for (n,n\*3)

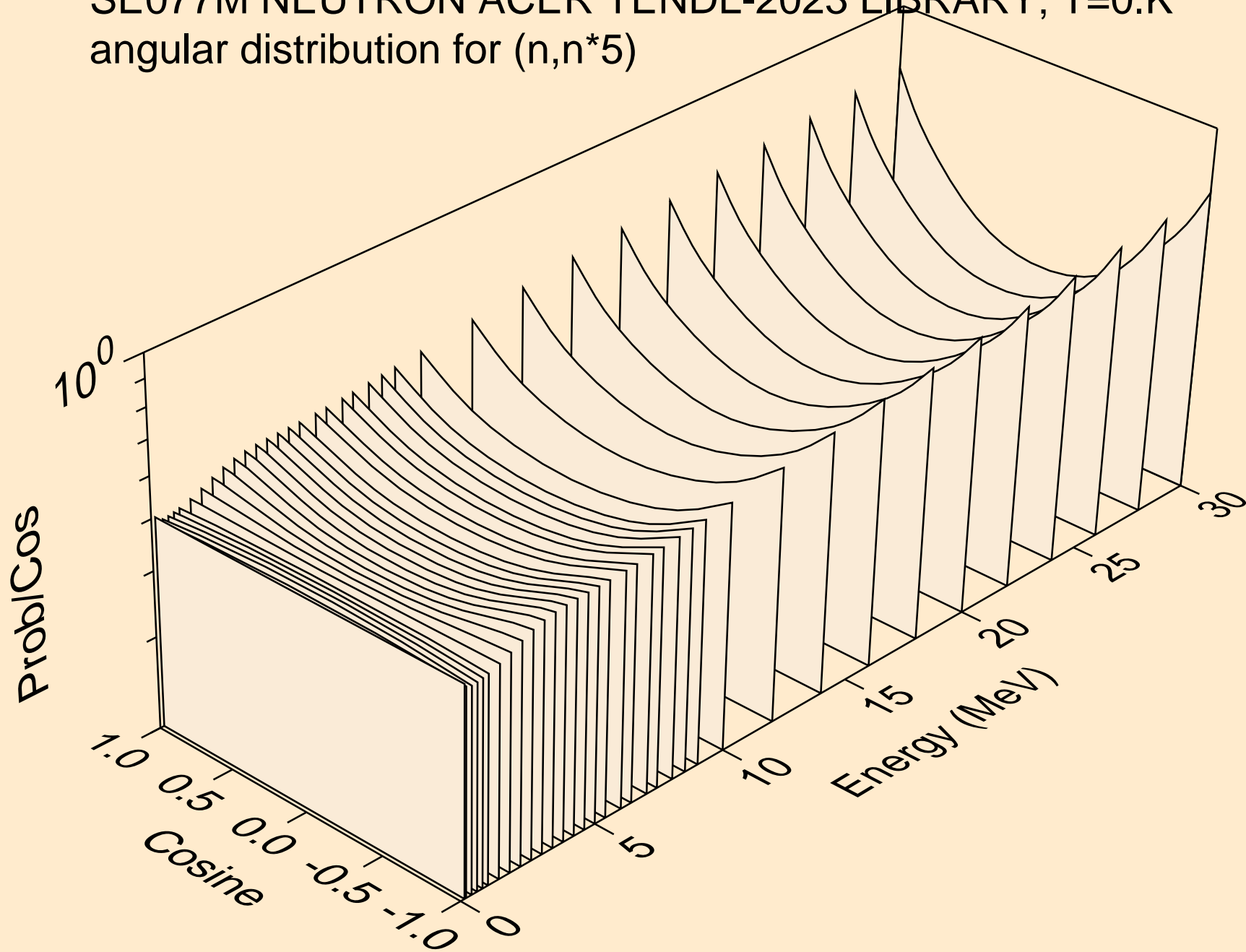




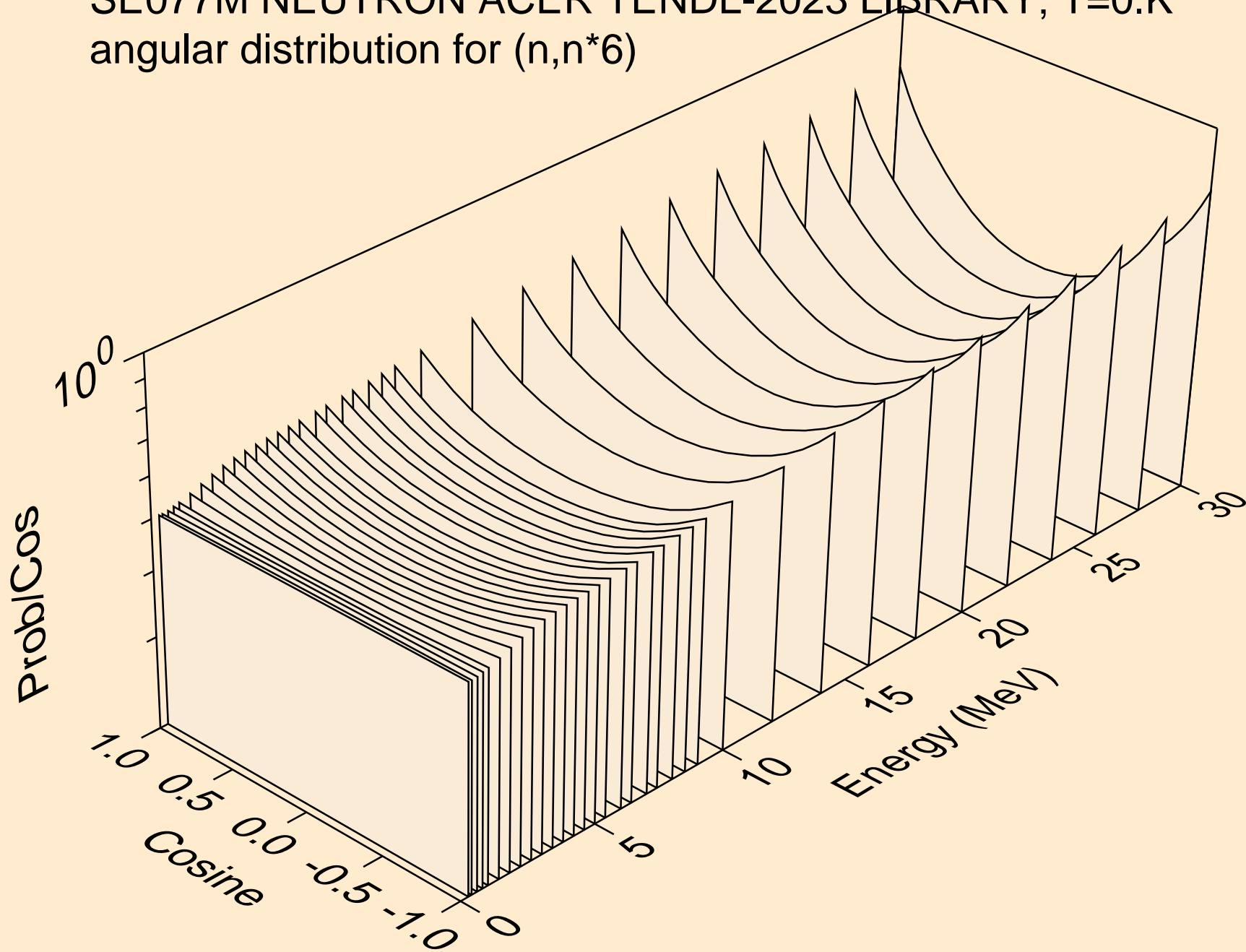
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angular distribution for (n,n\*4)



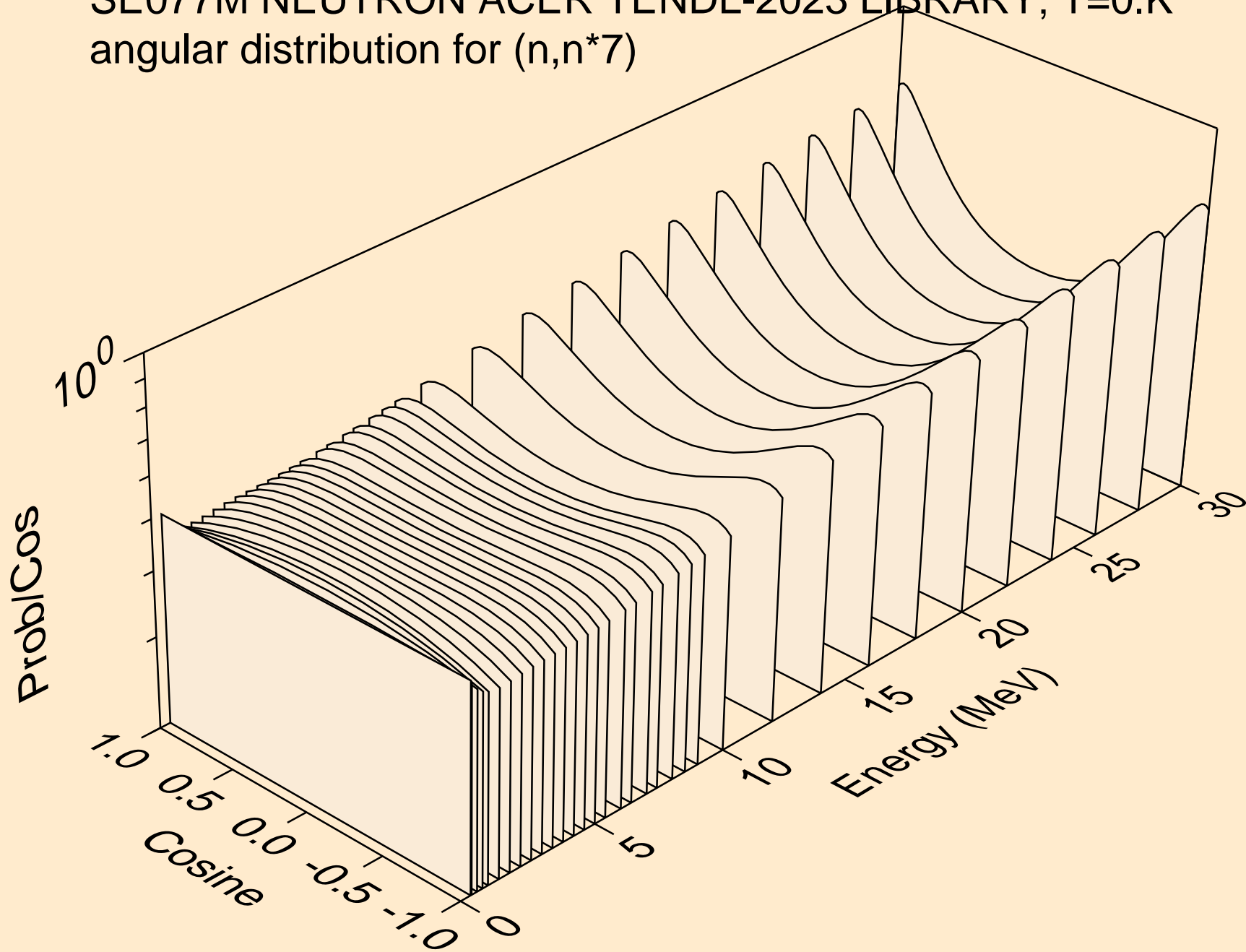
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angular distribution for (n,n\*5)



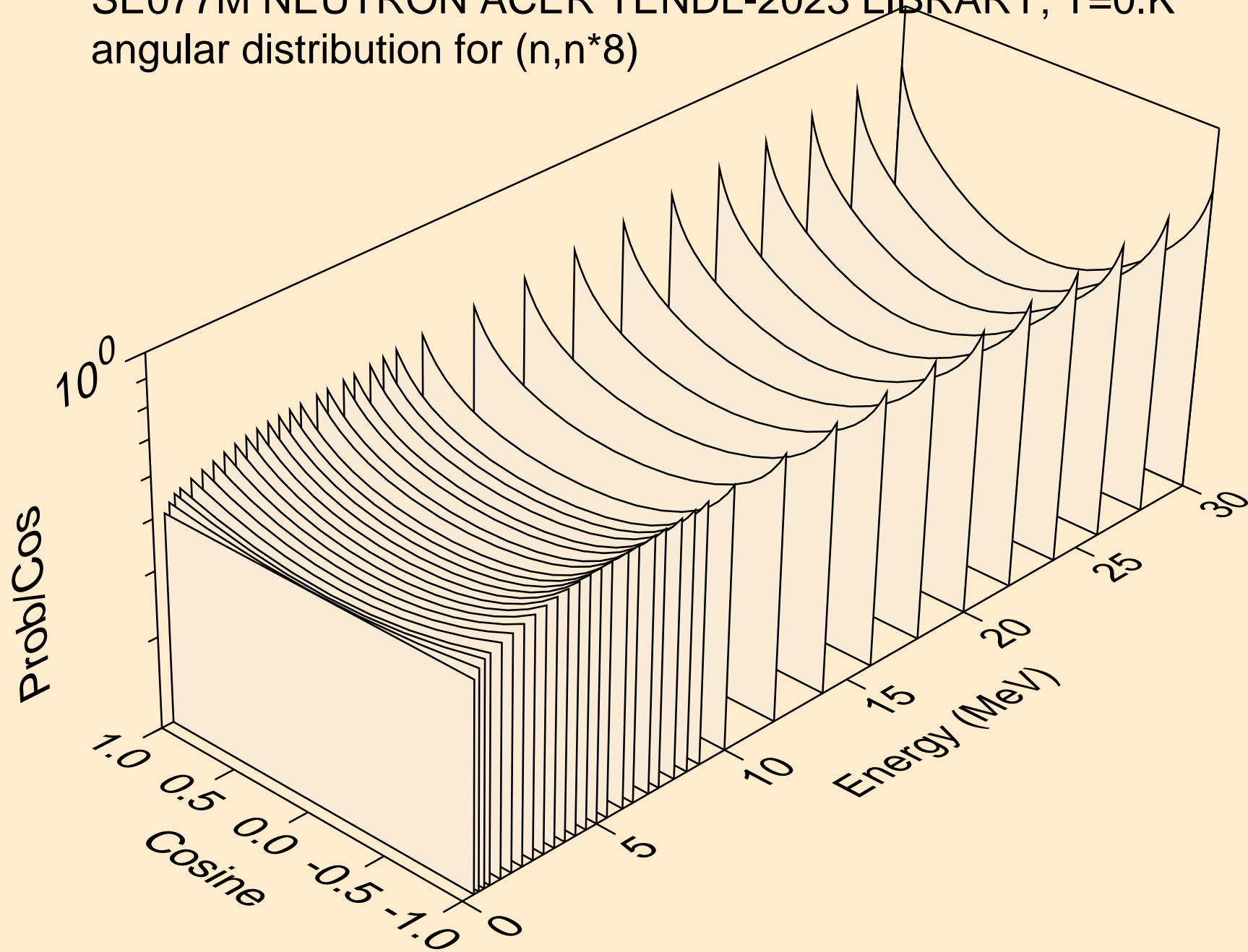
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angular distribution for (n,n\*6)



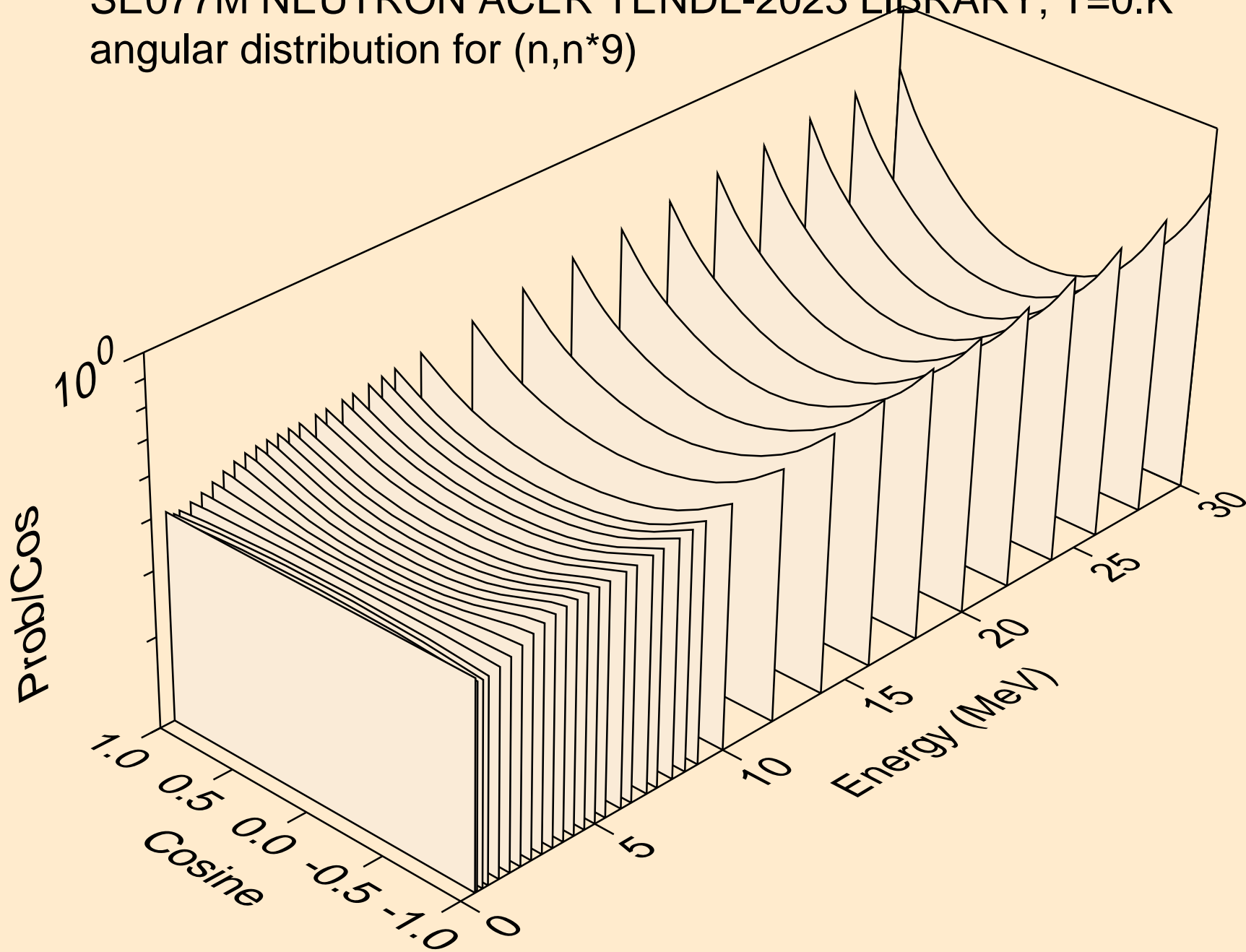
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angular distribution for (n,n\*7)



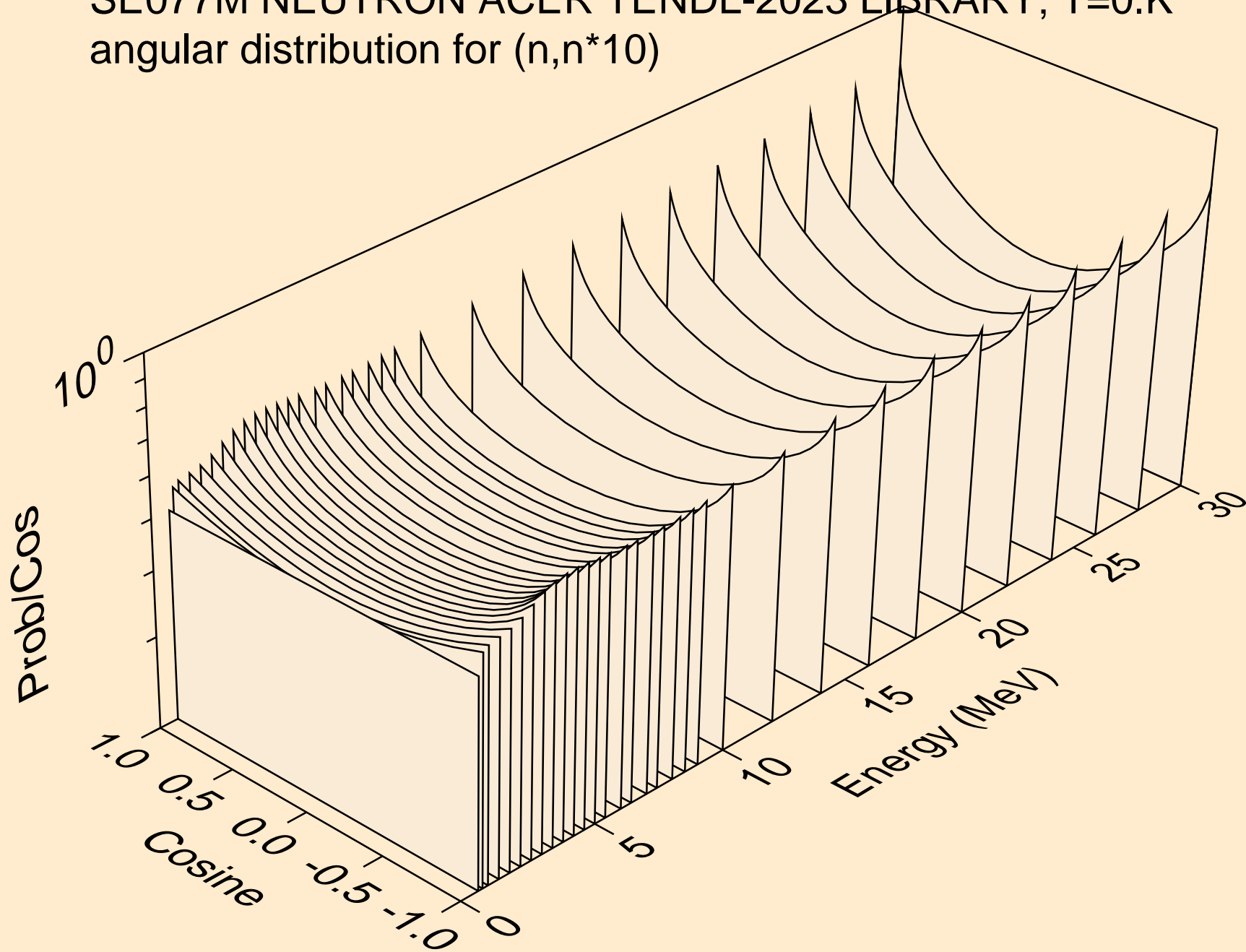
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angular distribution for (n,n\*8)



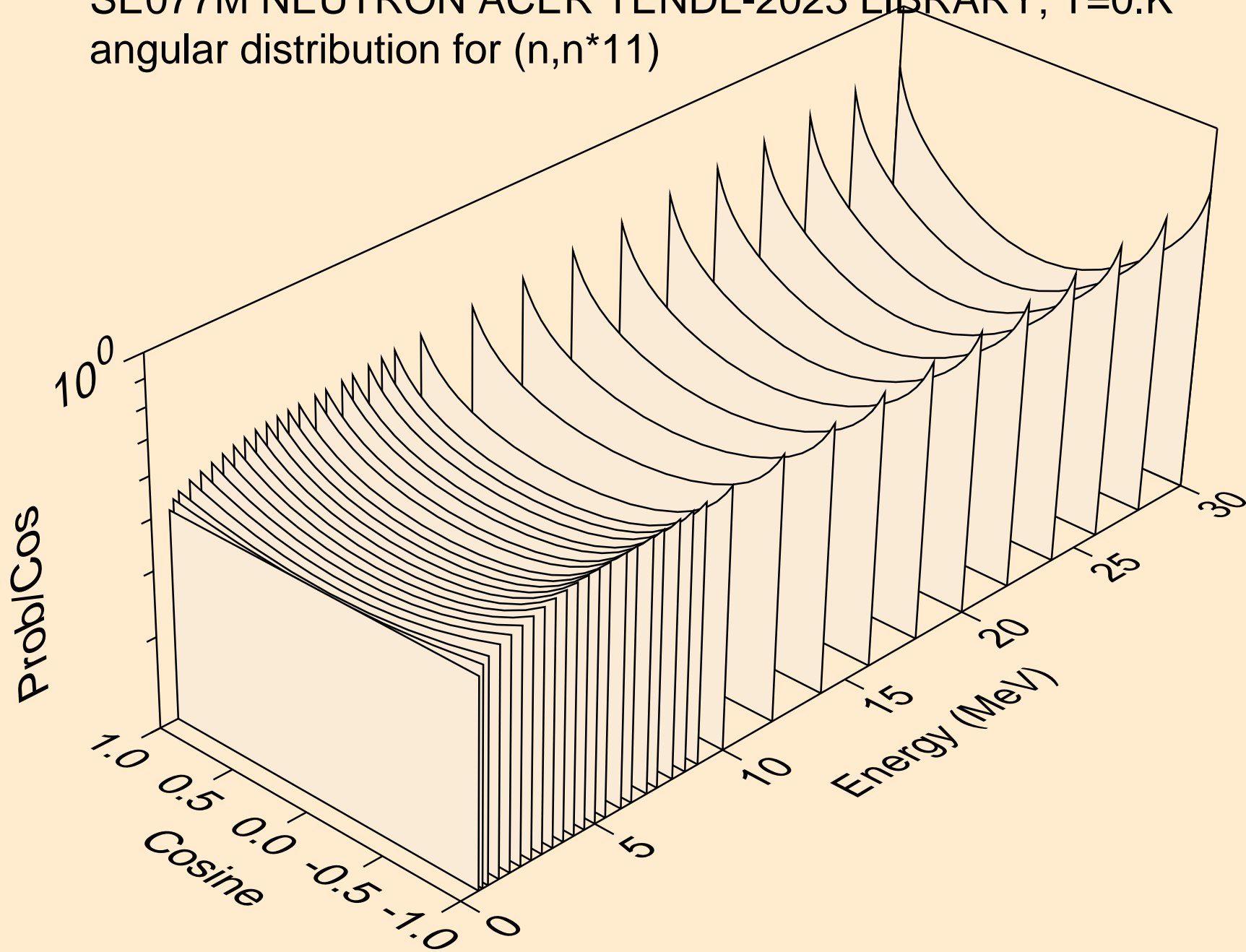
SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

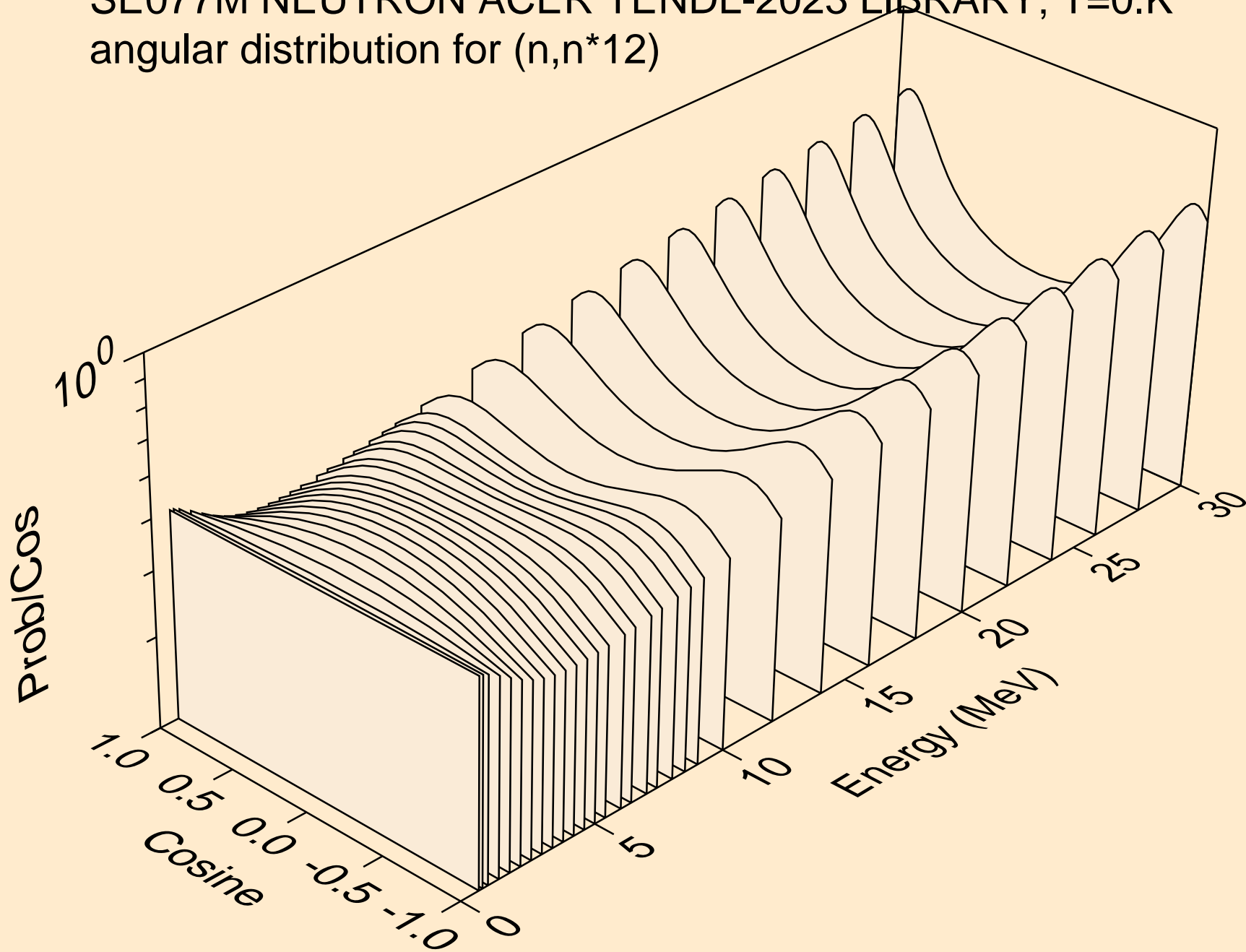


SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)

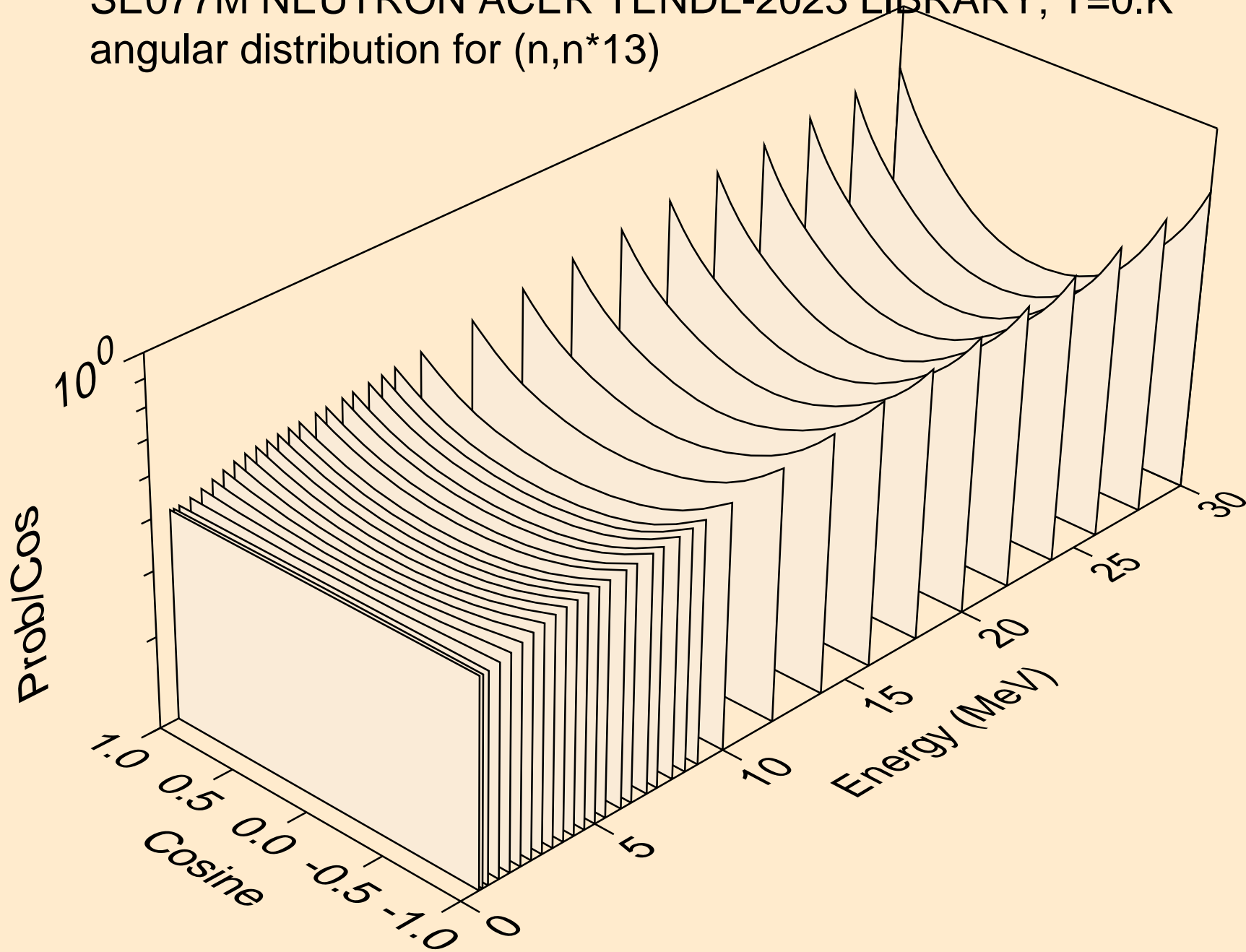




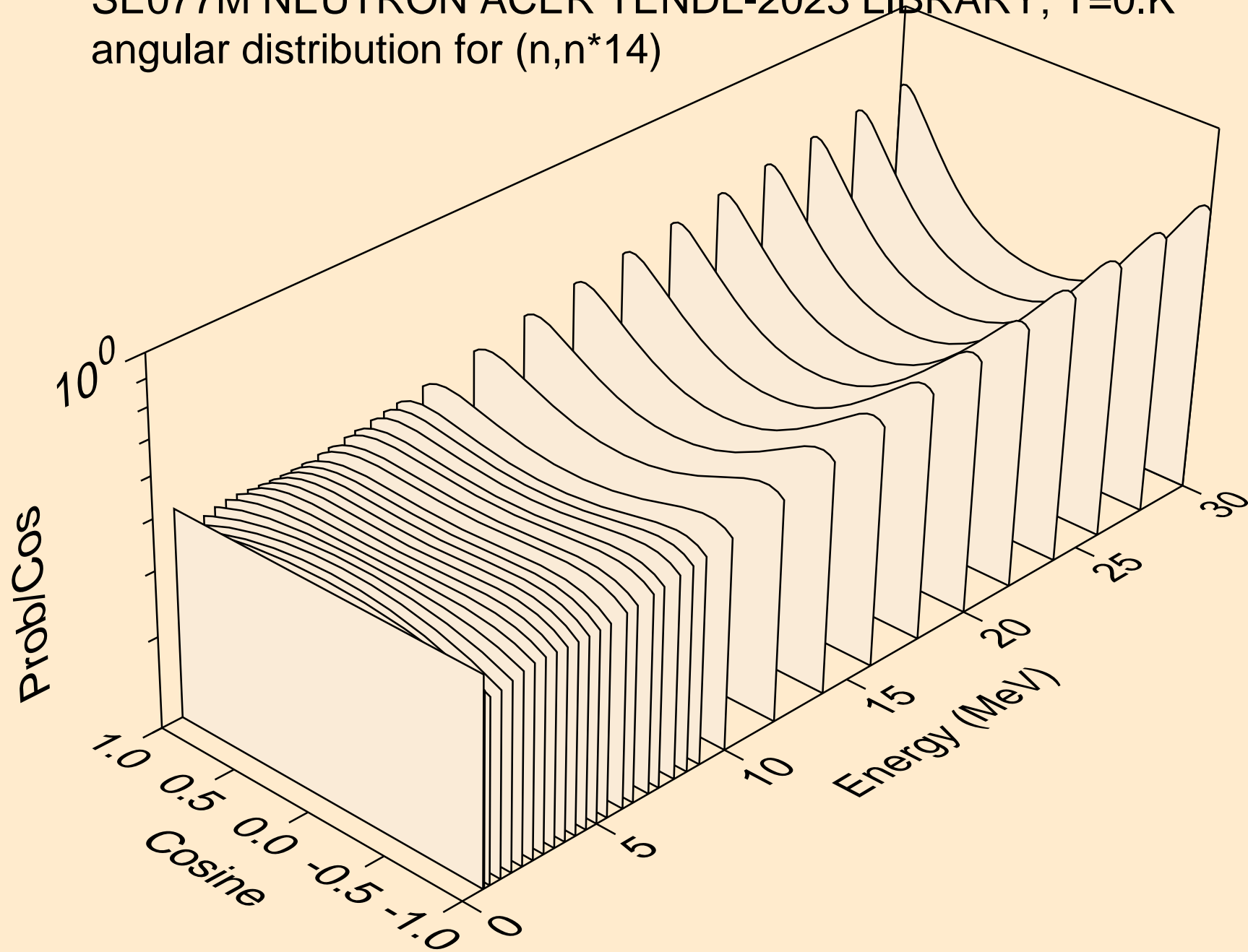
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angular distribution for (n,n\*12)



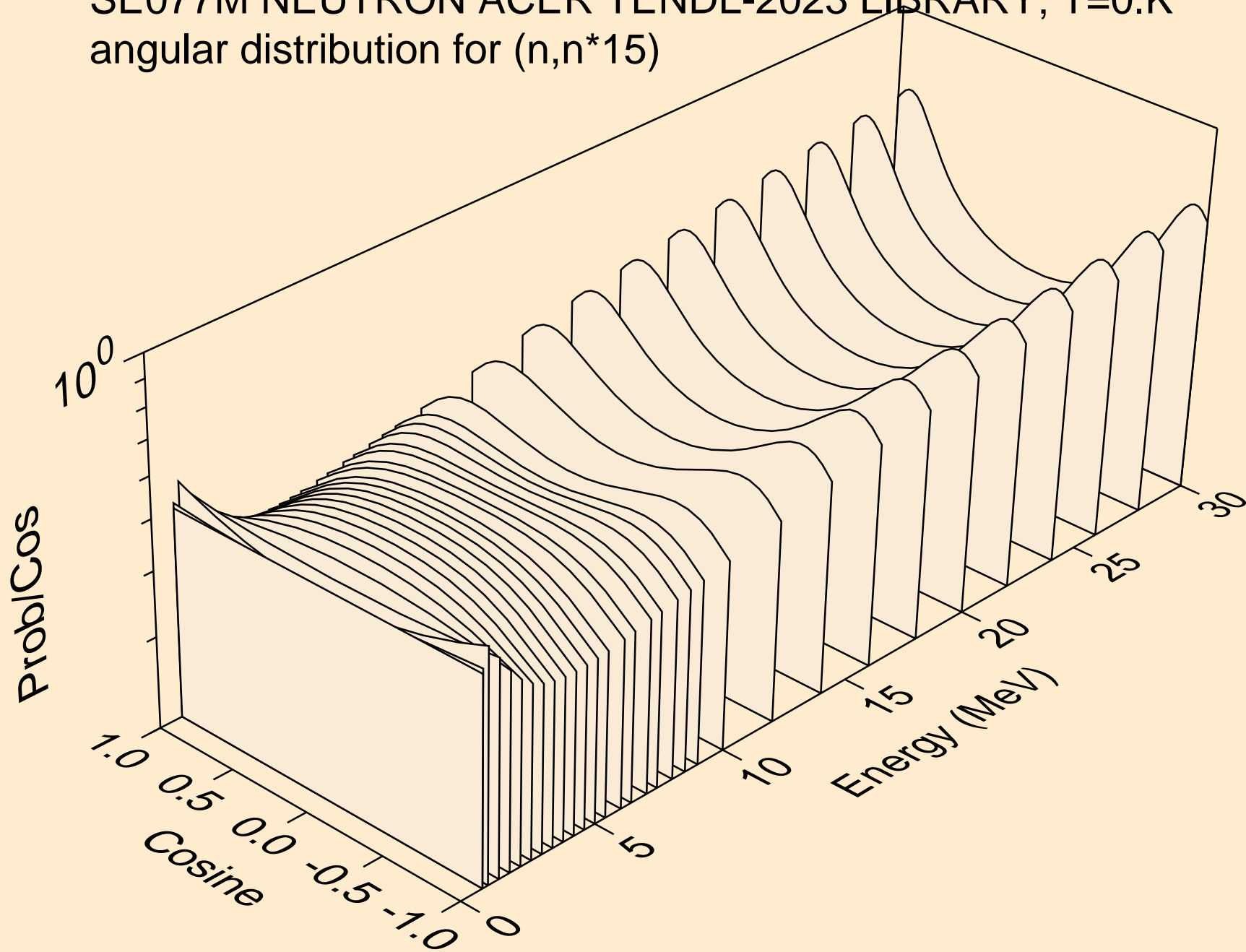
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angular distribution for (n,n\*13)



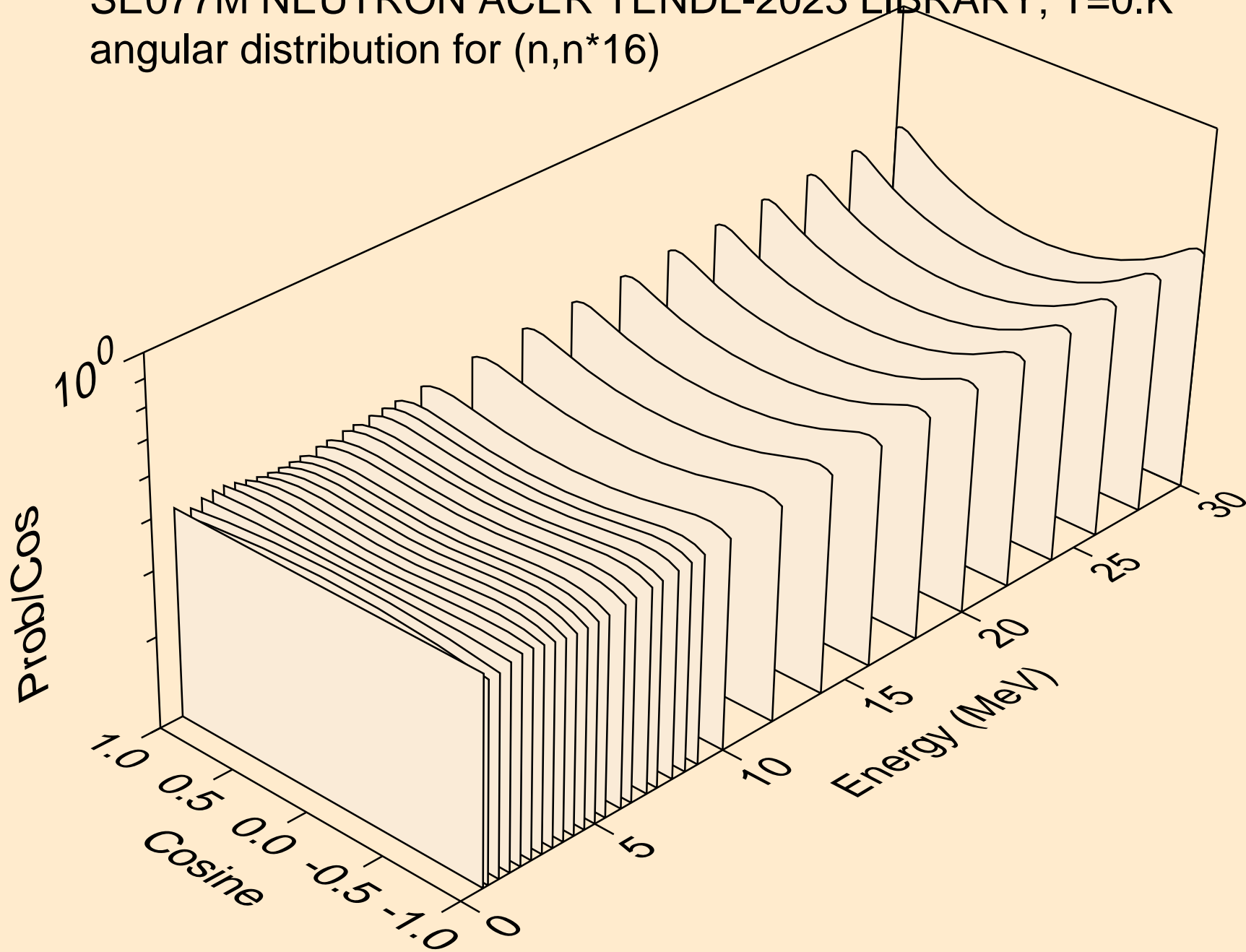
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angular distribution for (n,n\*14)



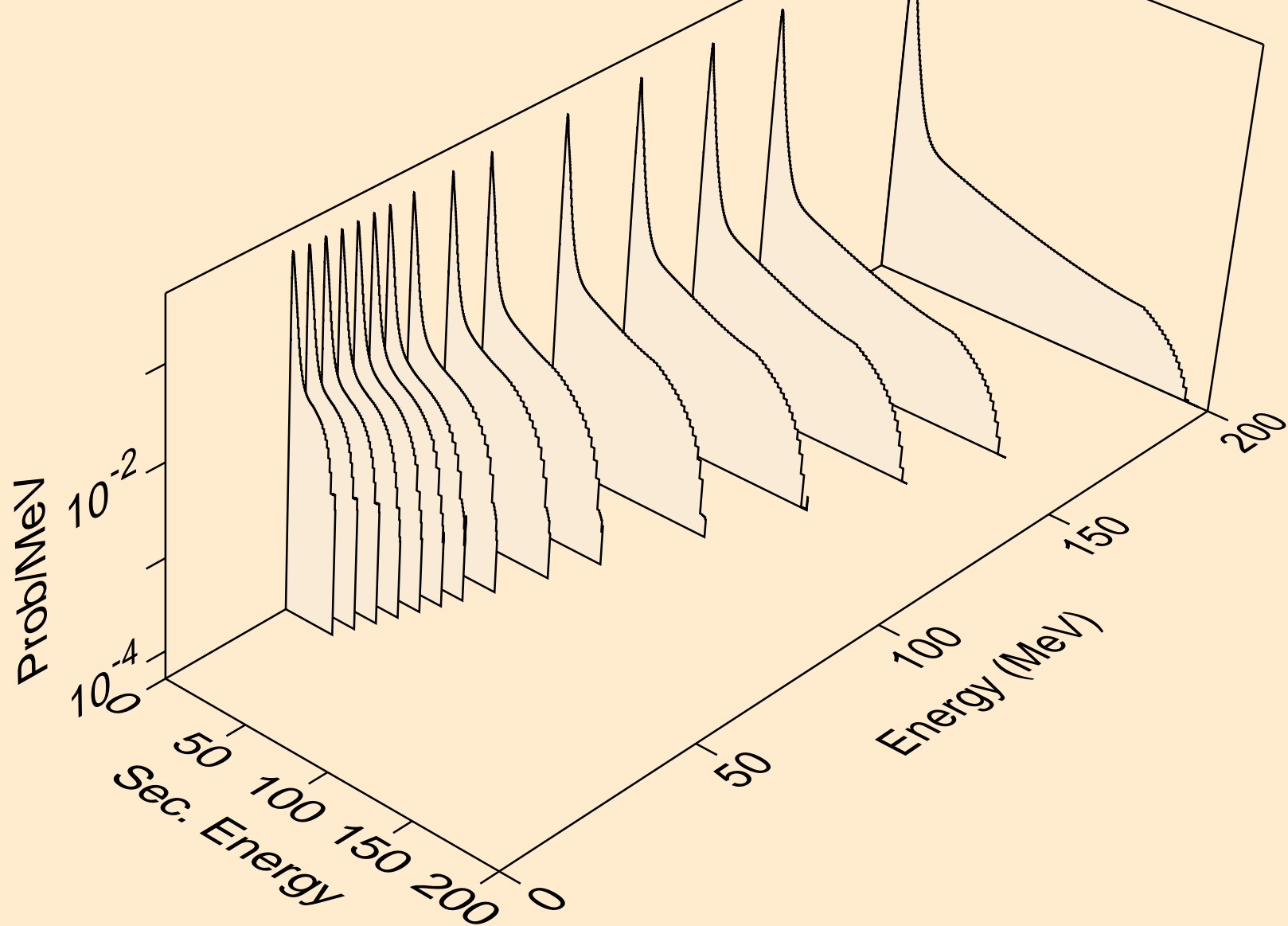
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angular distribution for (n,n\*15)



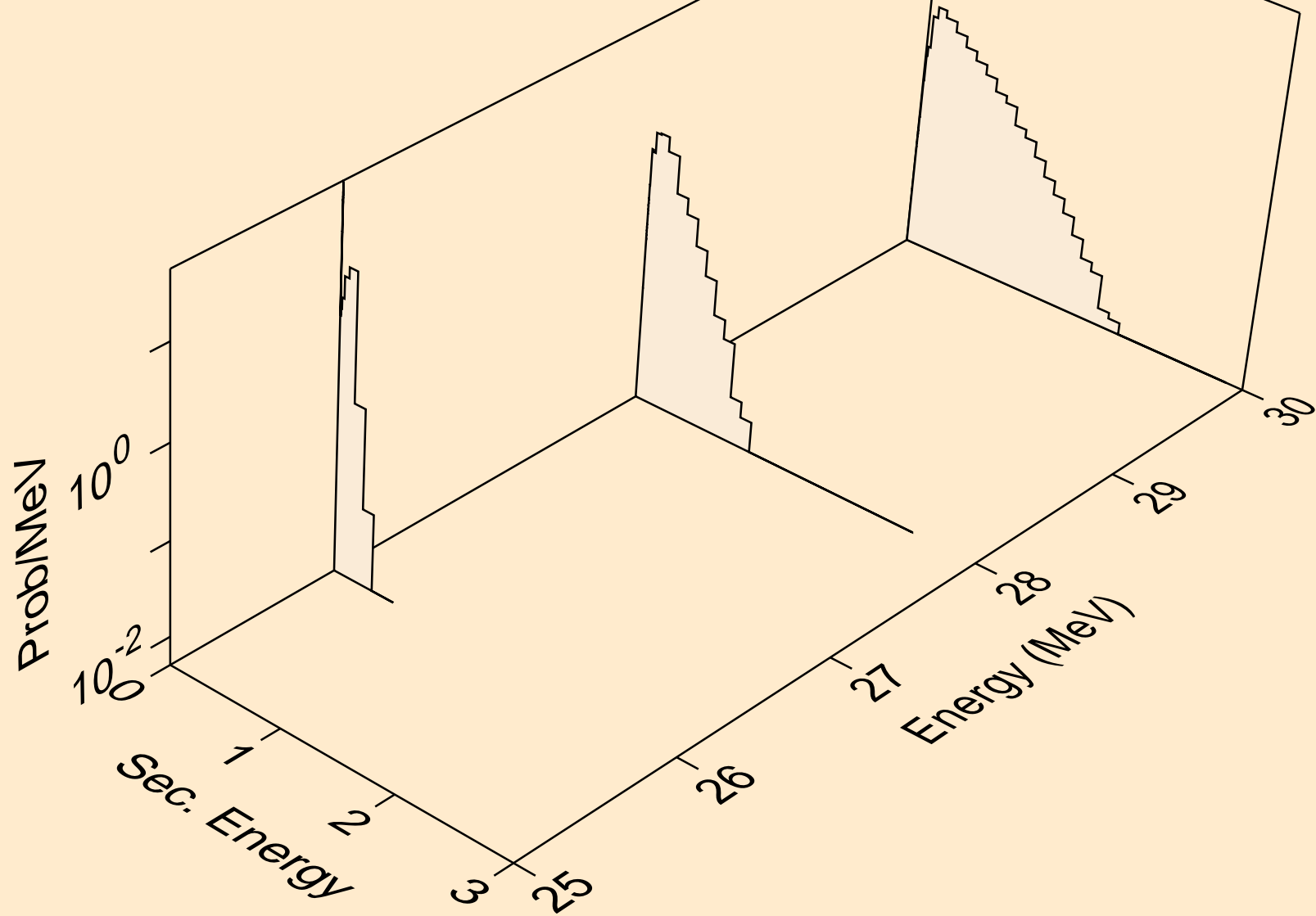
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angular distribution for (n,n\*16)



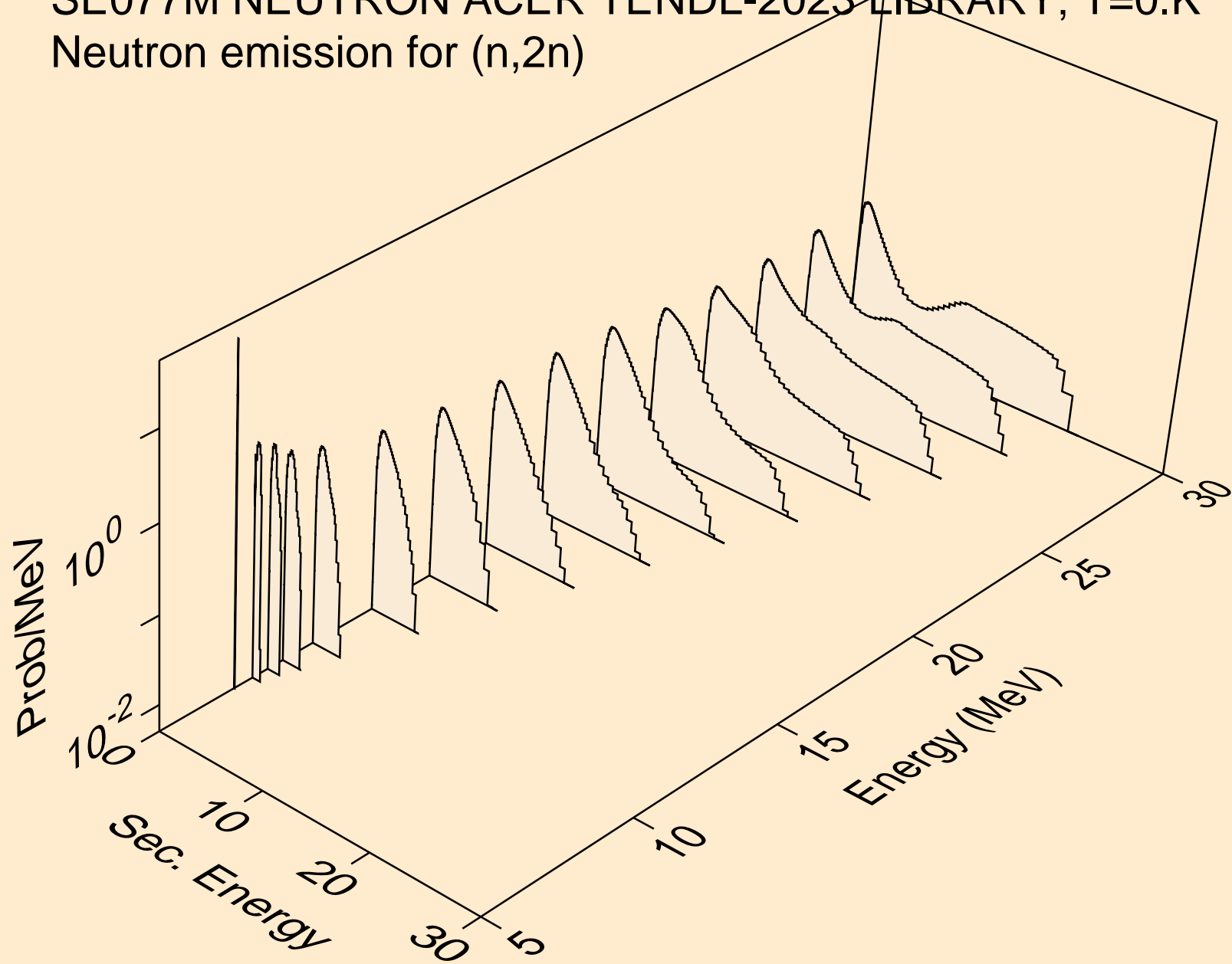
SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)

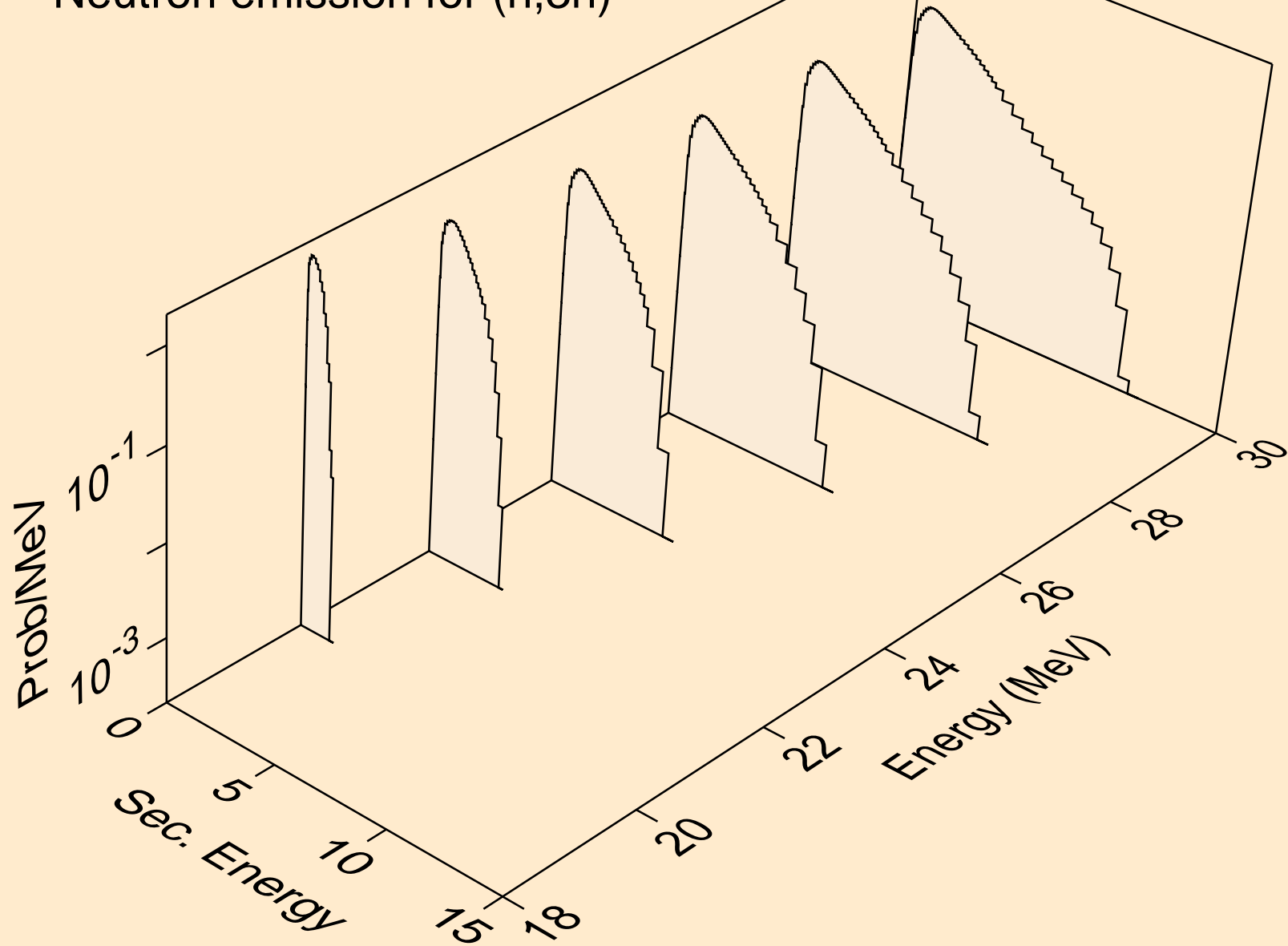


SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)

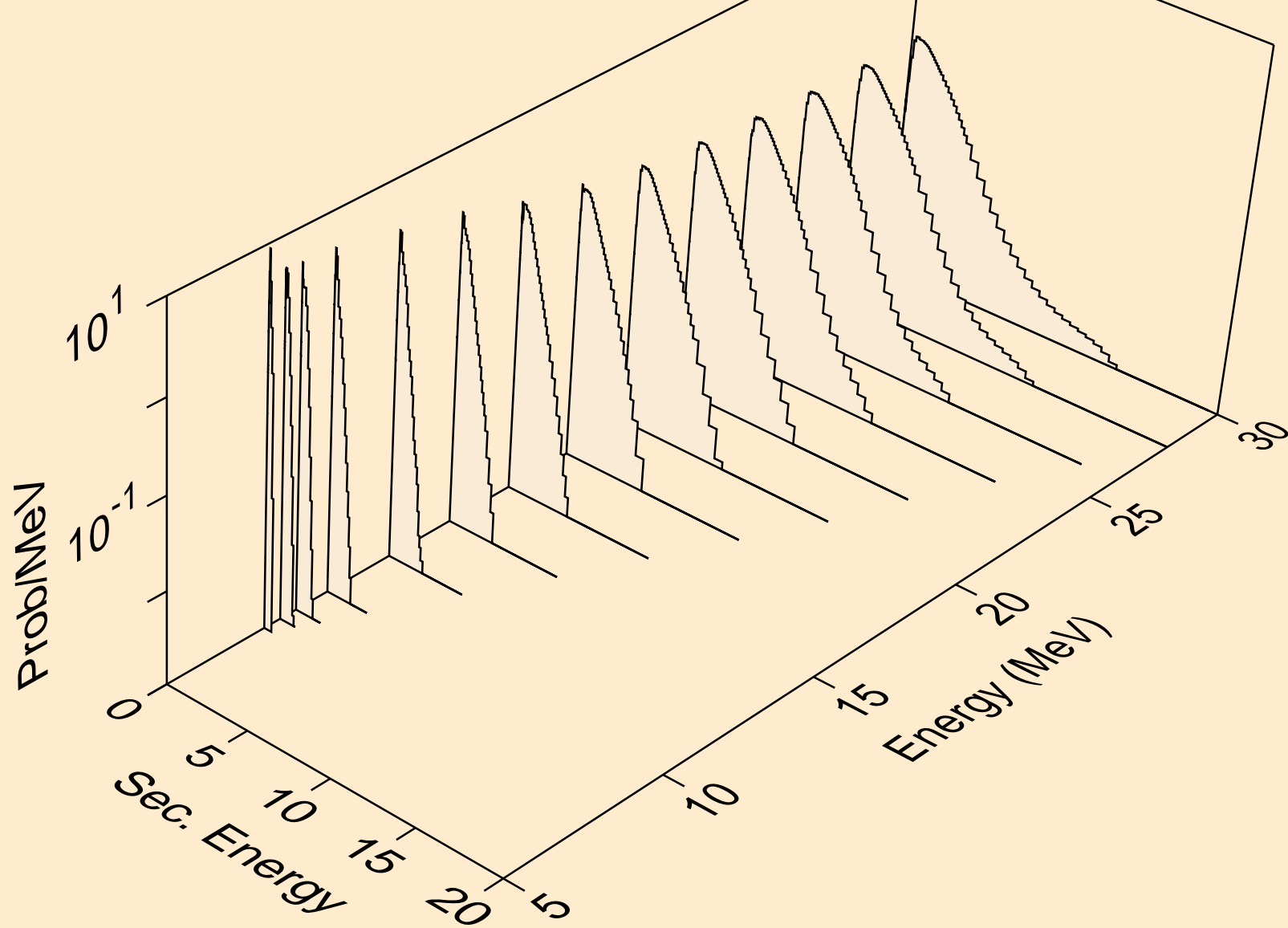




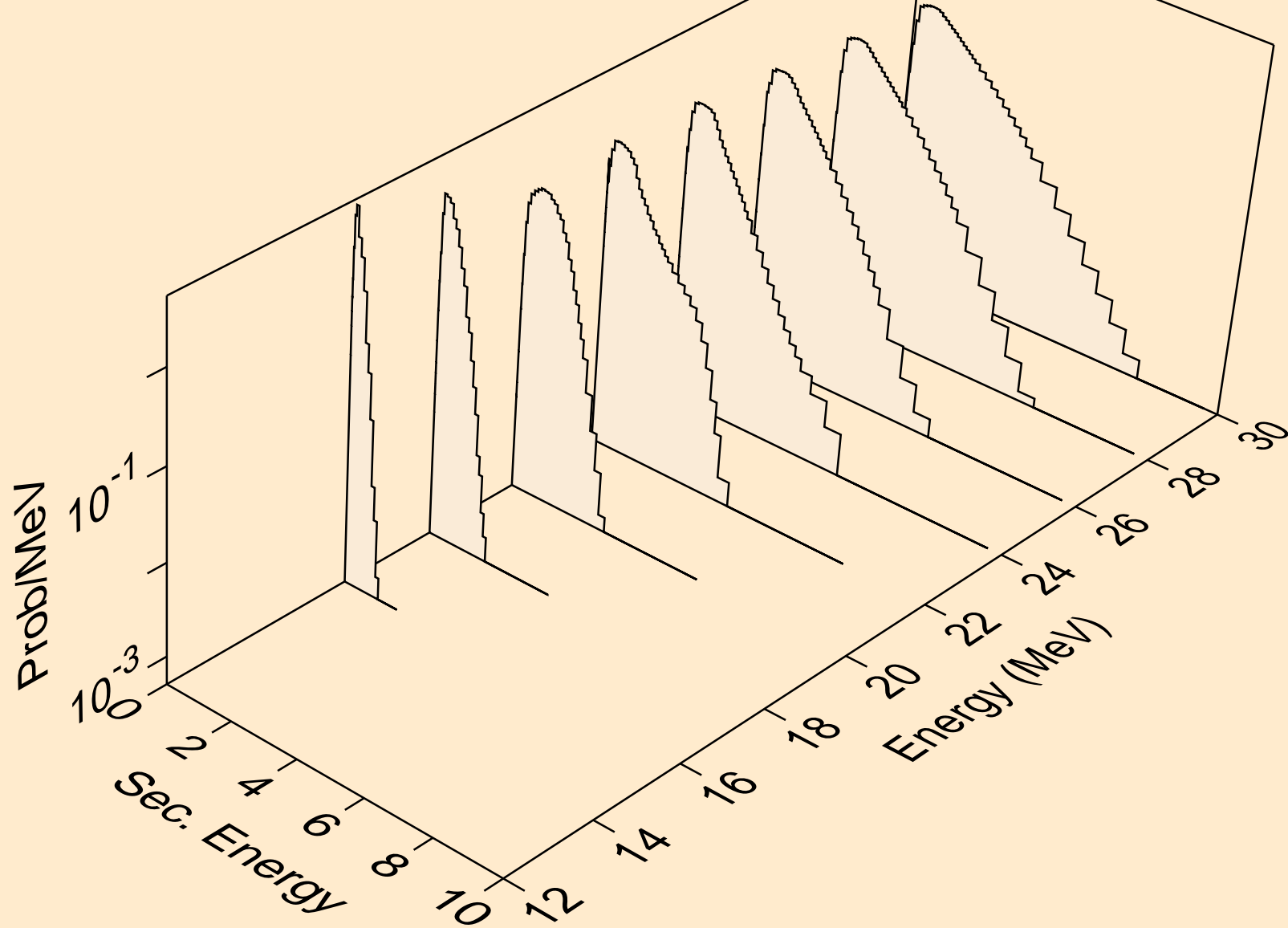
SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



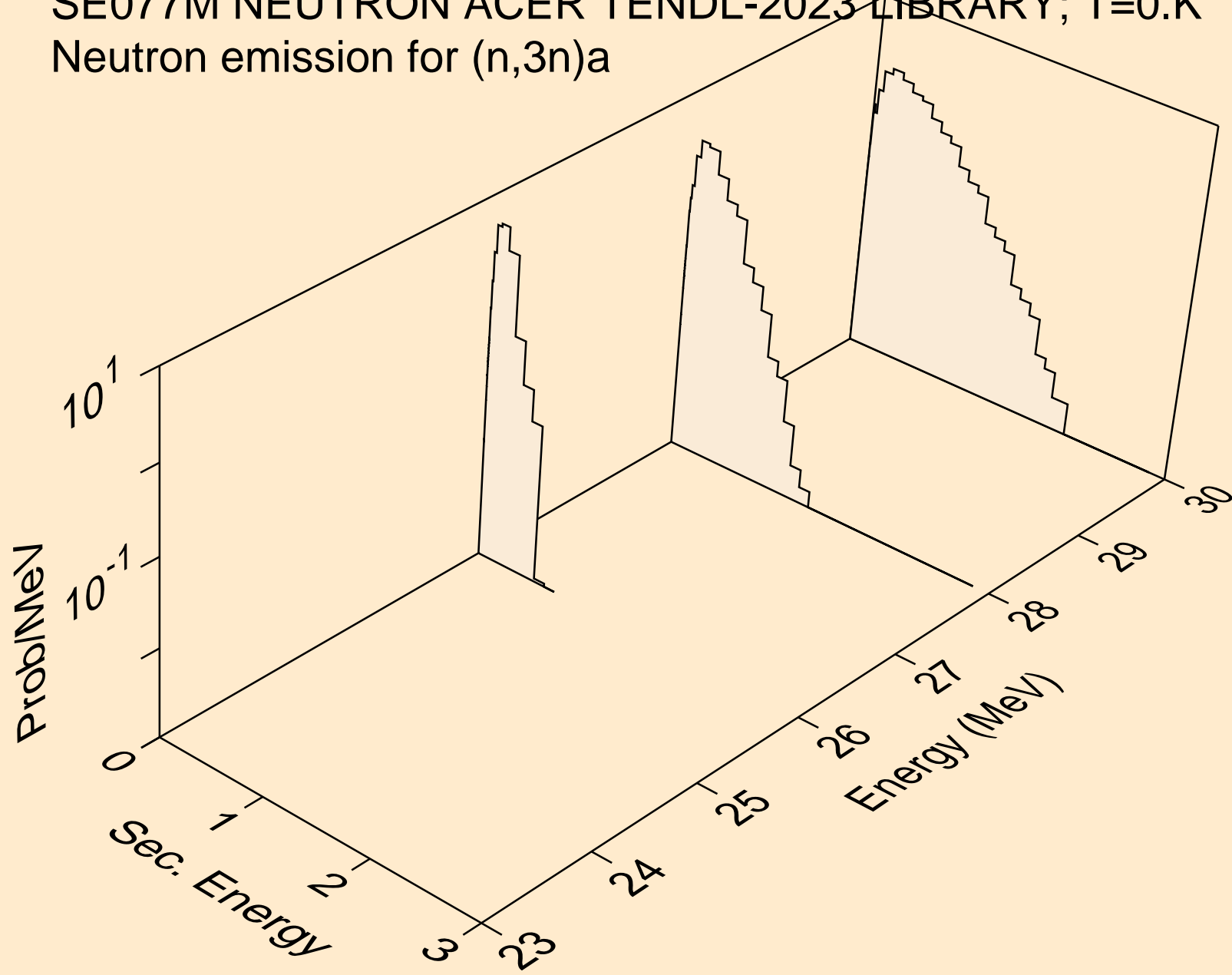
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Neutron emission for (n,n\*)a



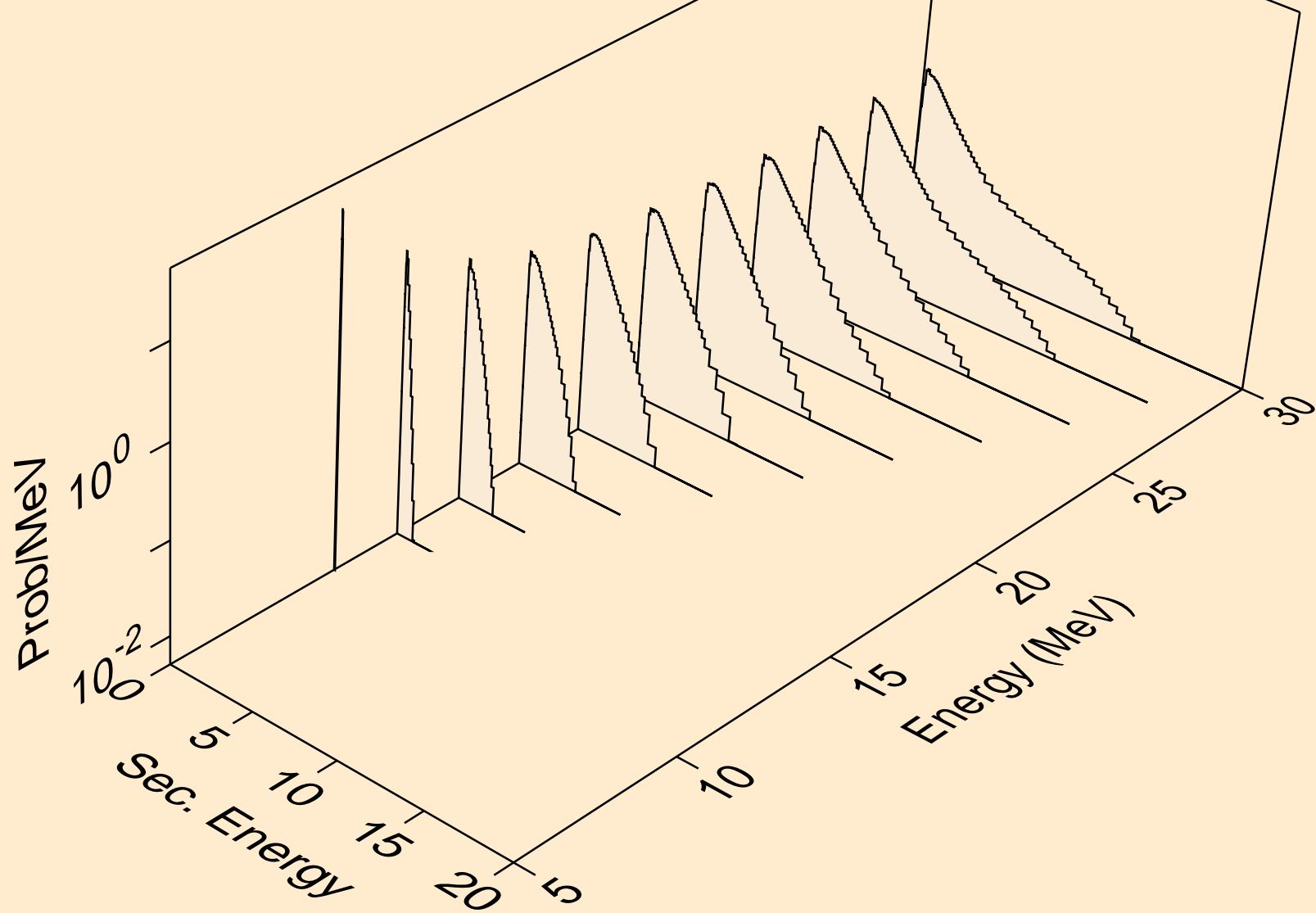
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Neutron emission for (n,2n)a



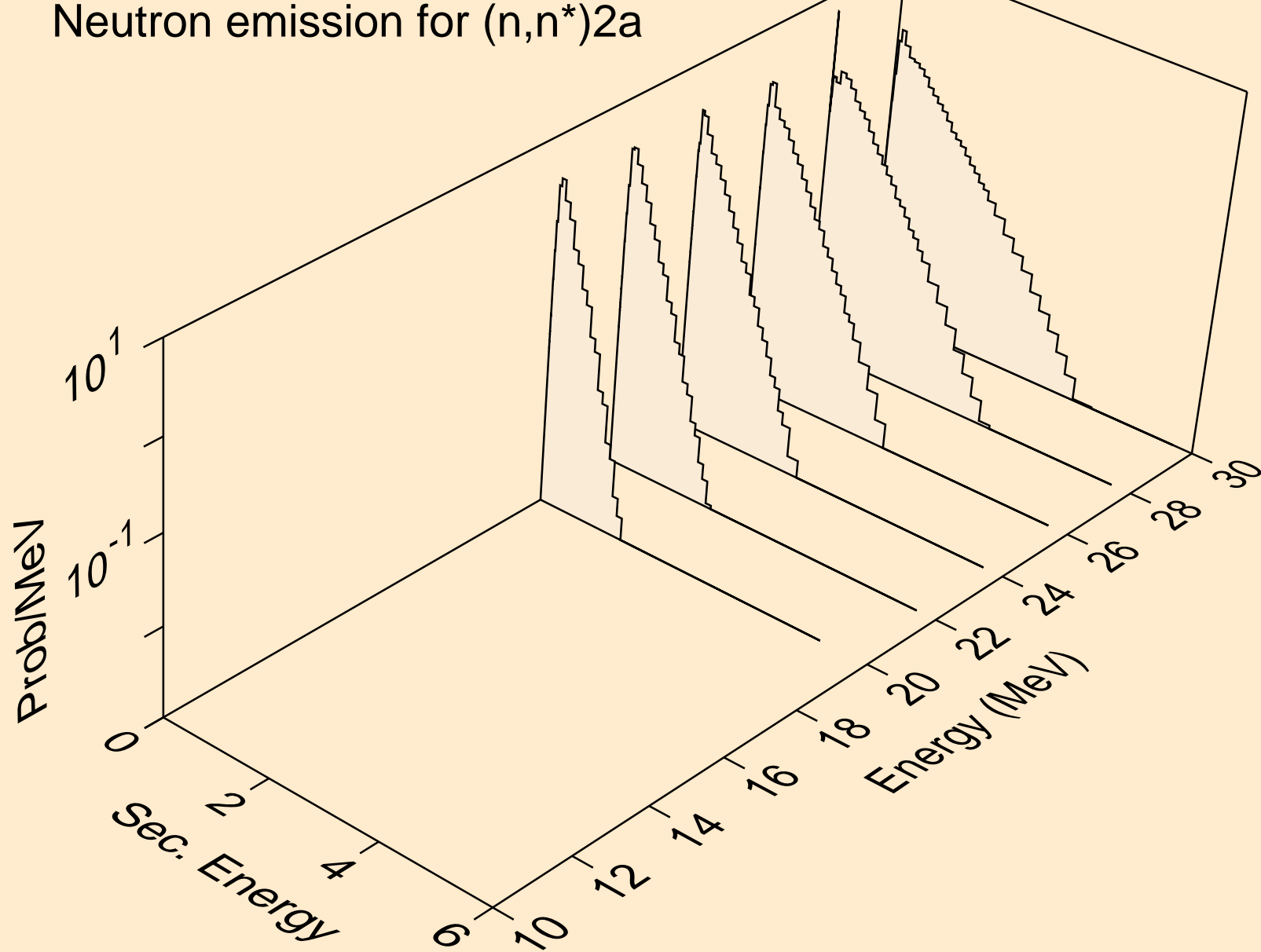
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Neutron emission for (n,3n)a



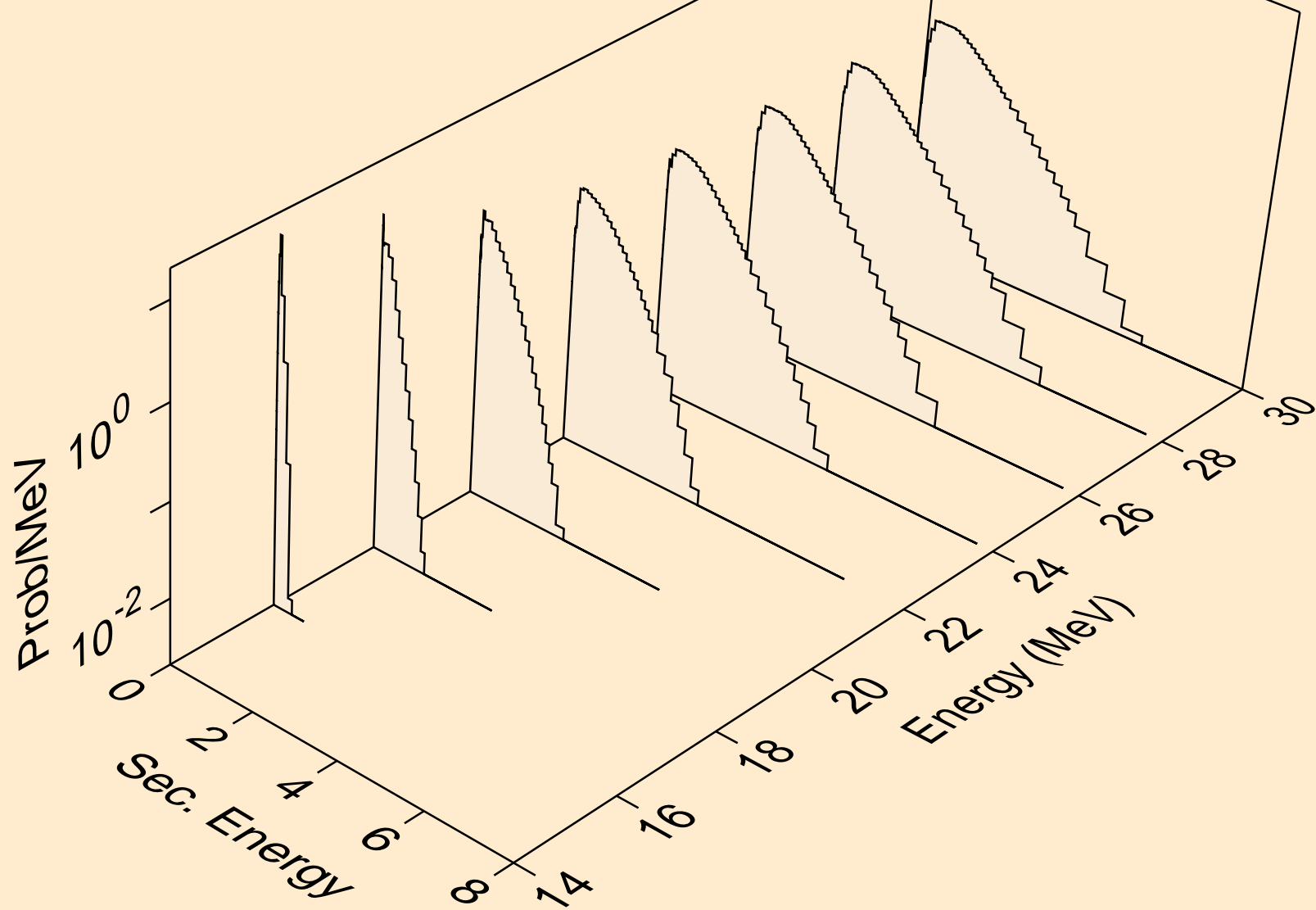
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Neutron emission for (n,n\*)p



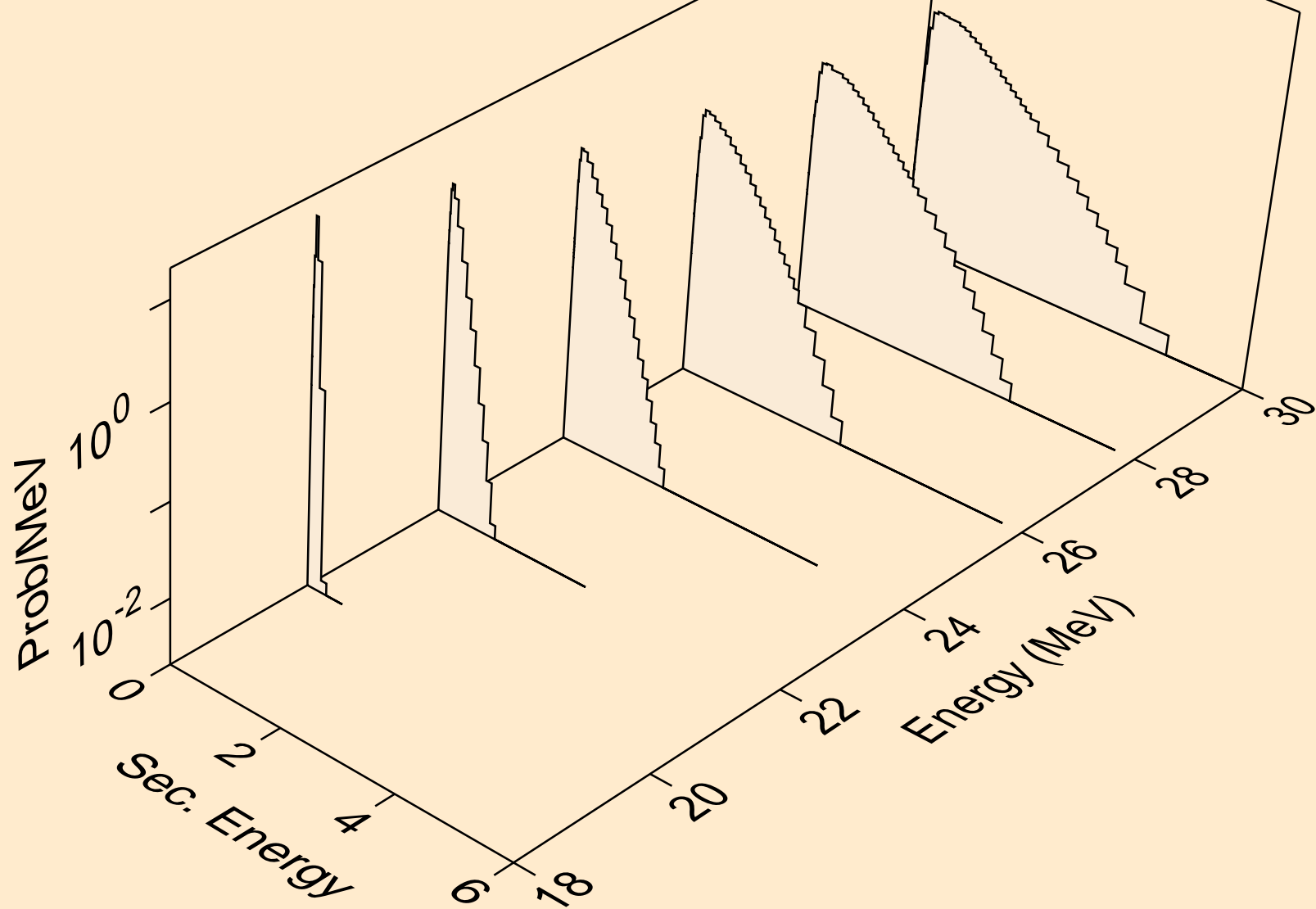
SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

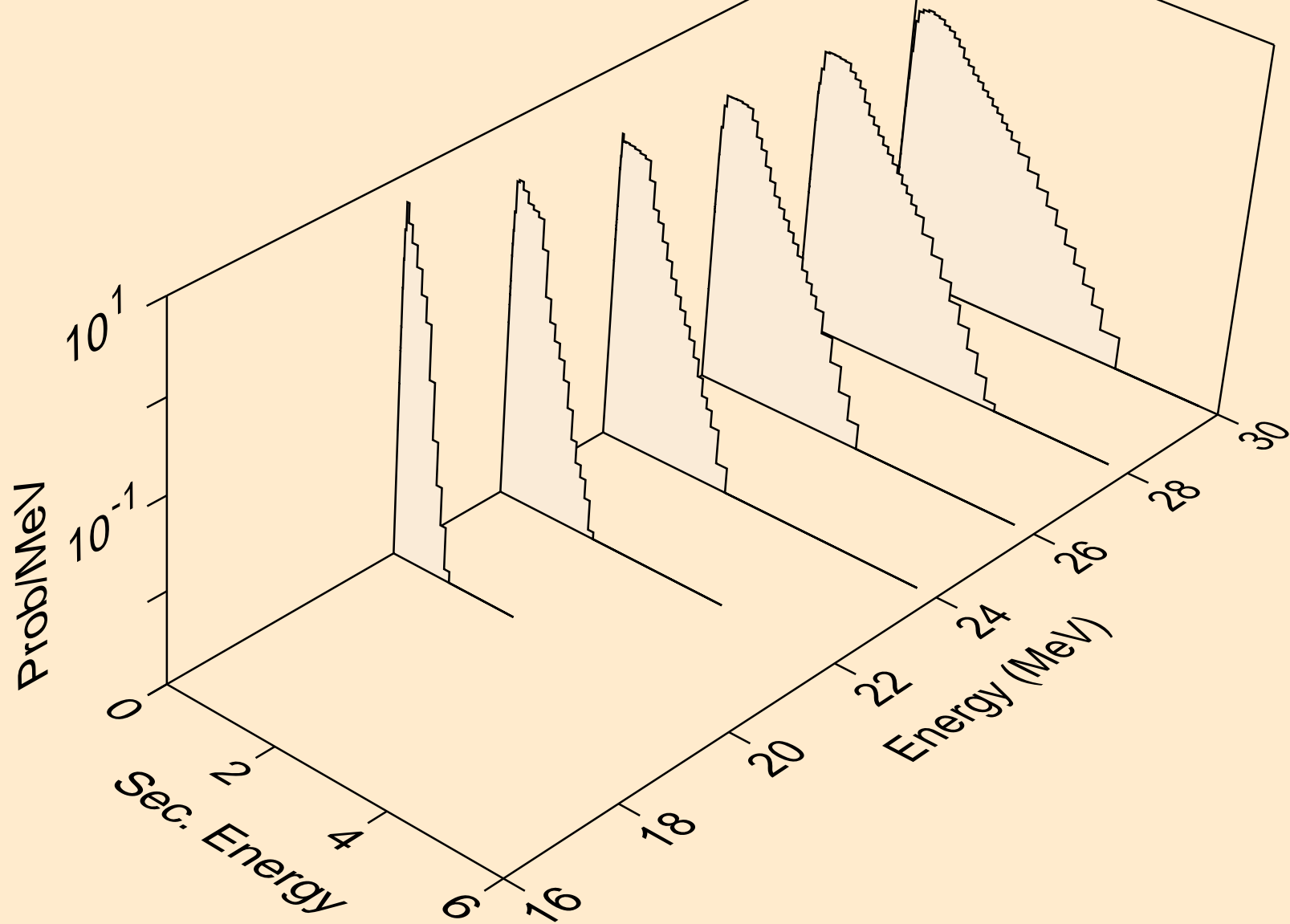


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Neutron emission for (n,n\*)t

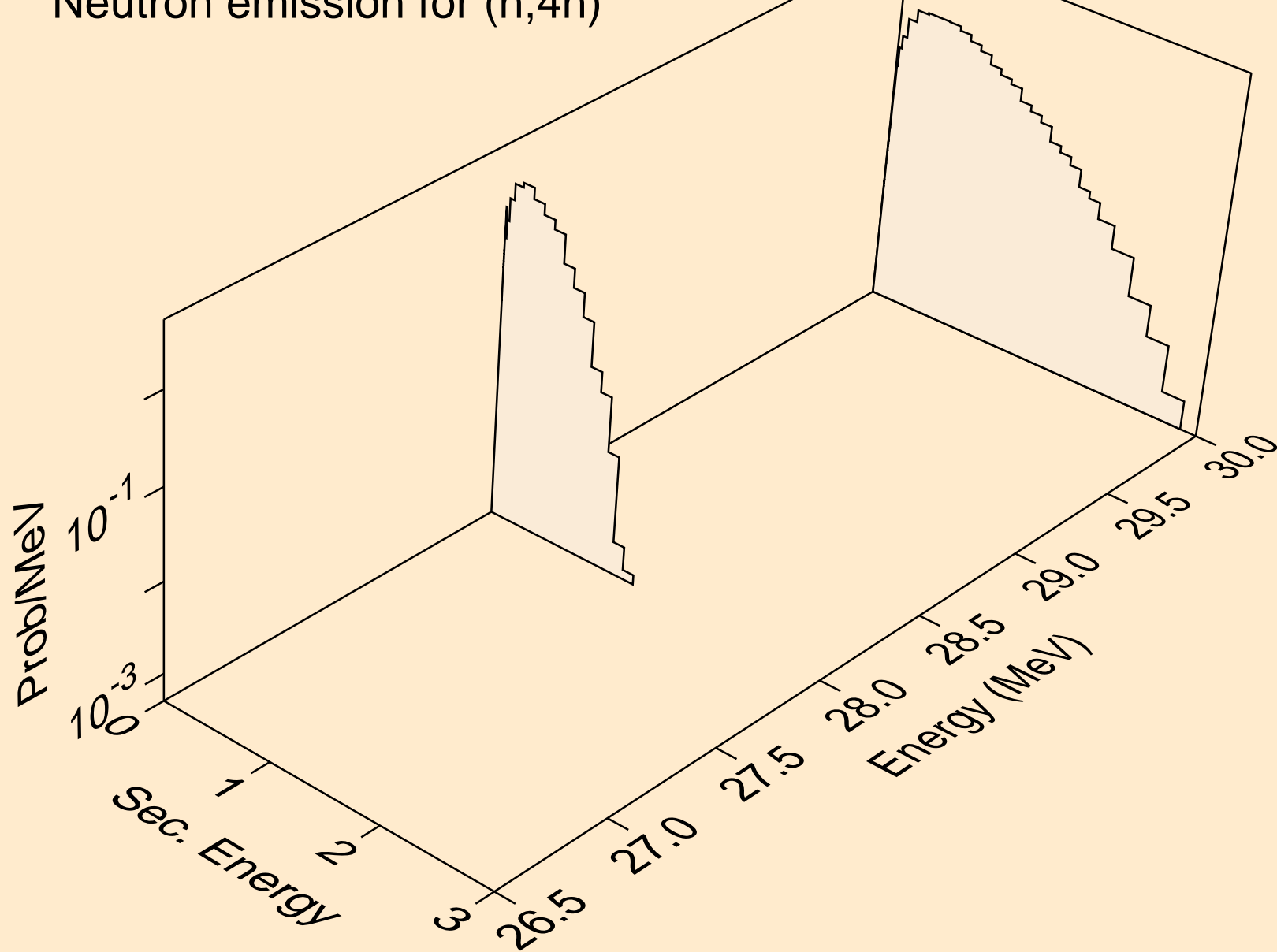




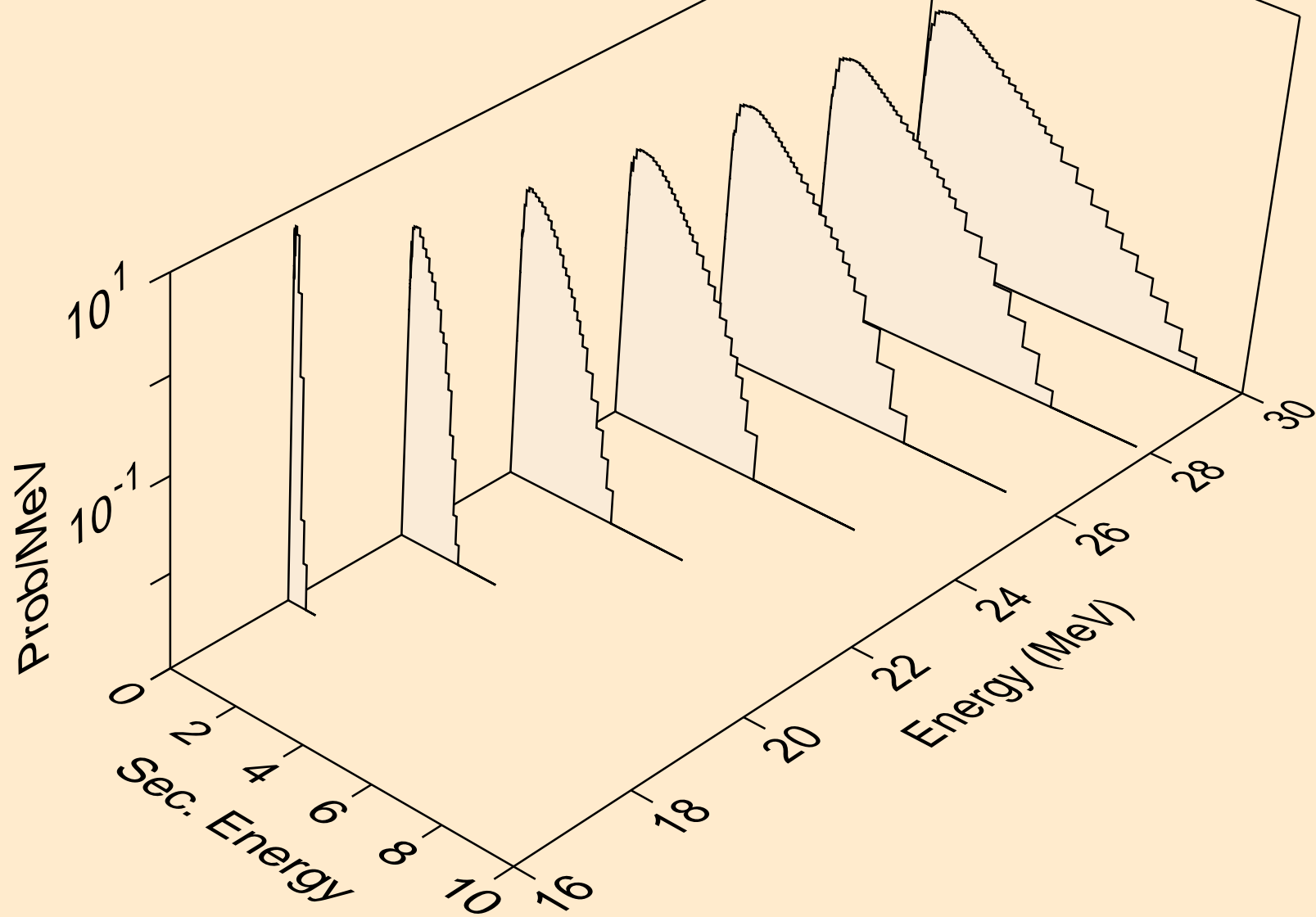
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Neutron emission for (n,n\*)he3



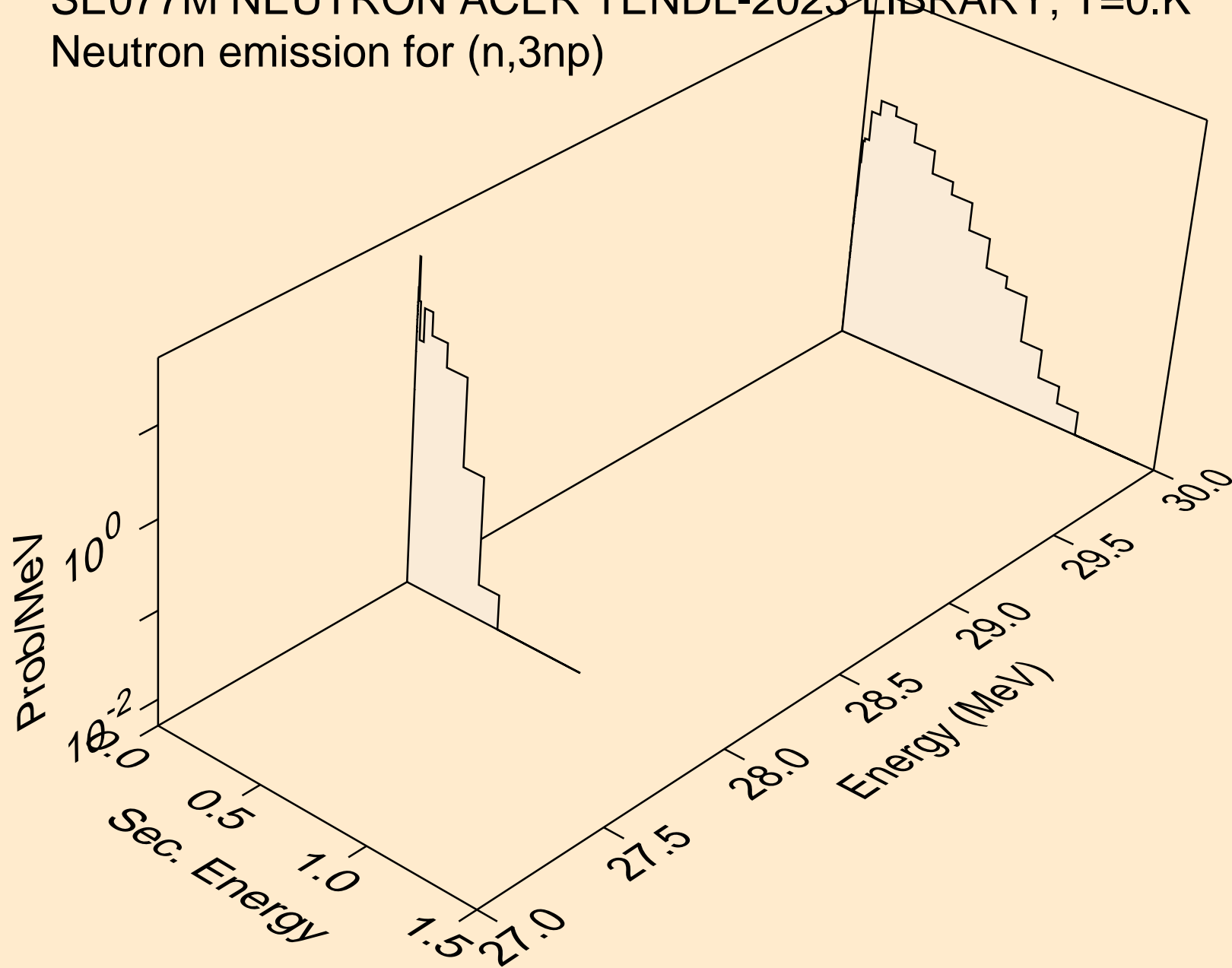
SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



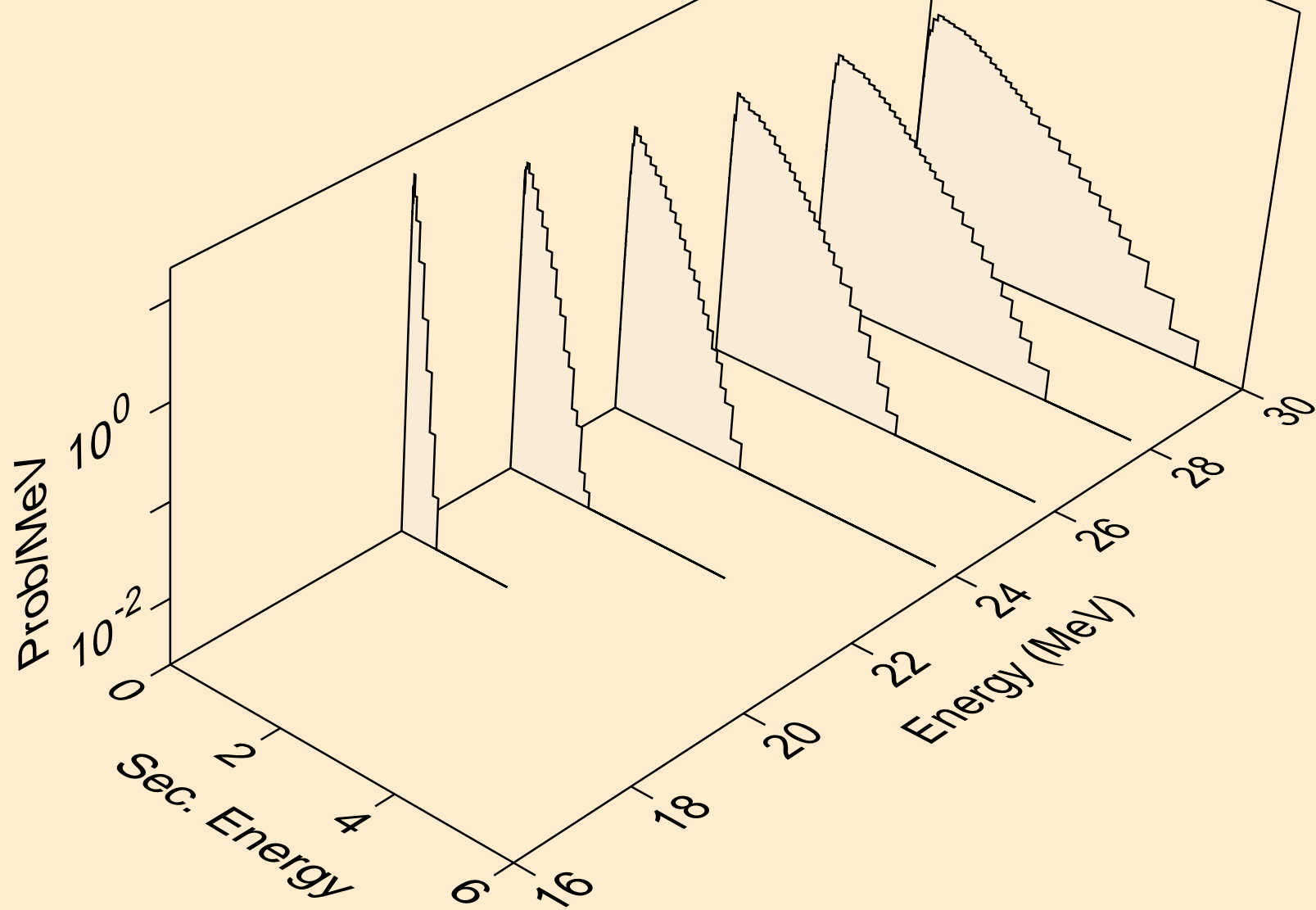
SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



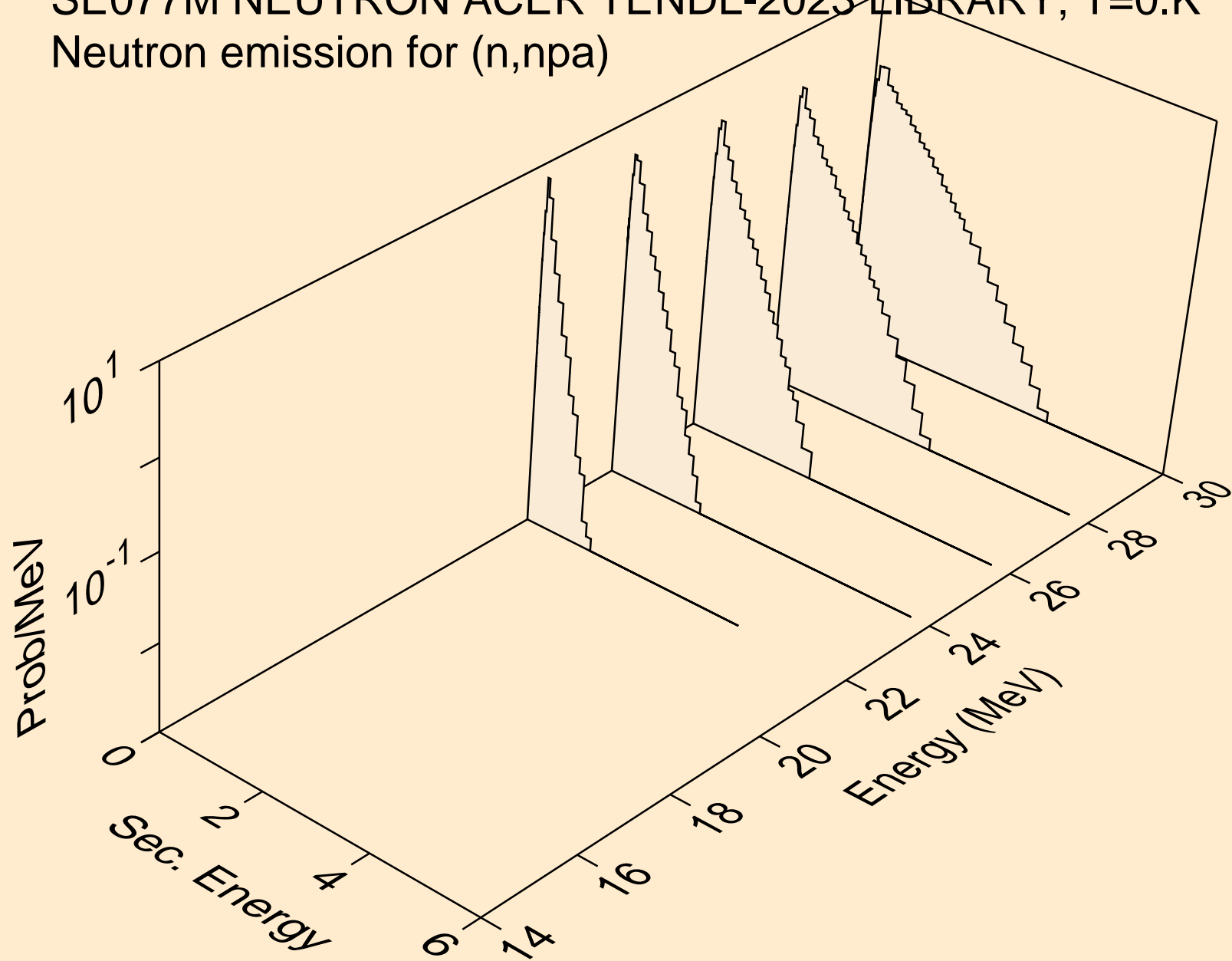
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Neutron emission for (n,3np)



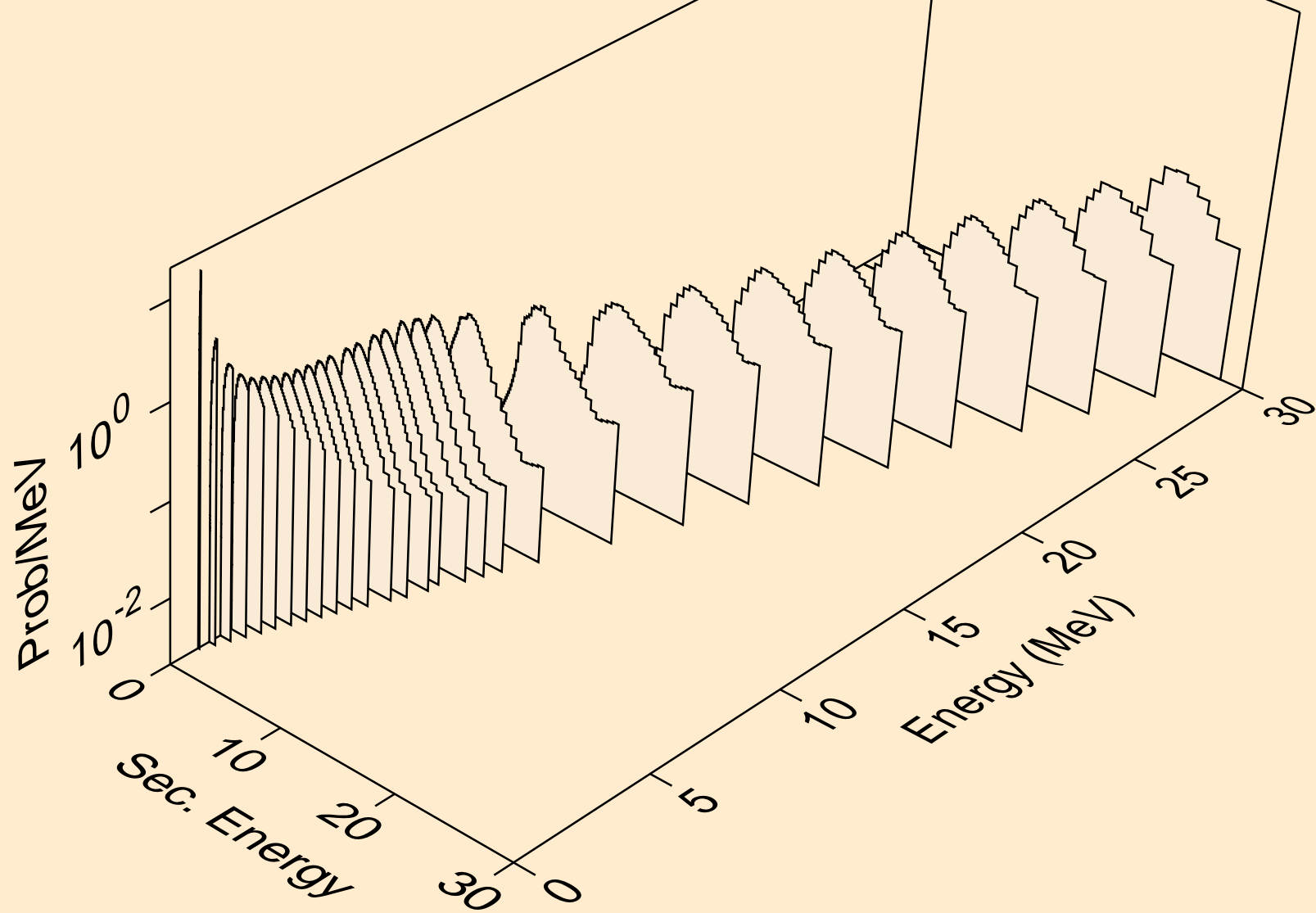
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Neutron emission for (n,n2p)



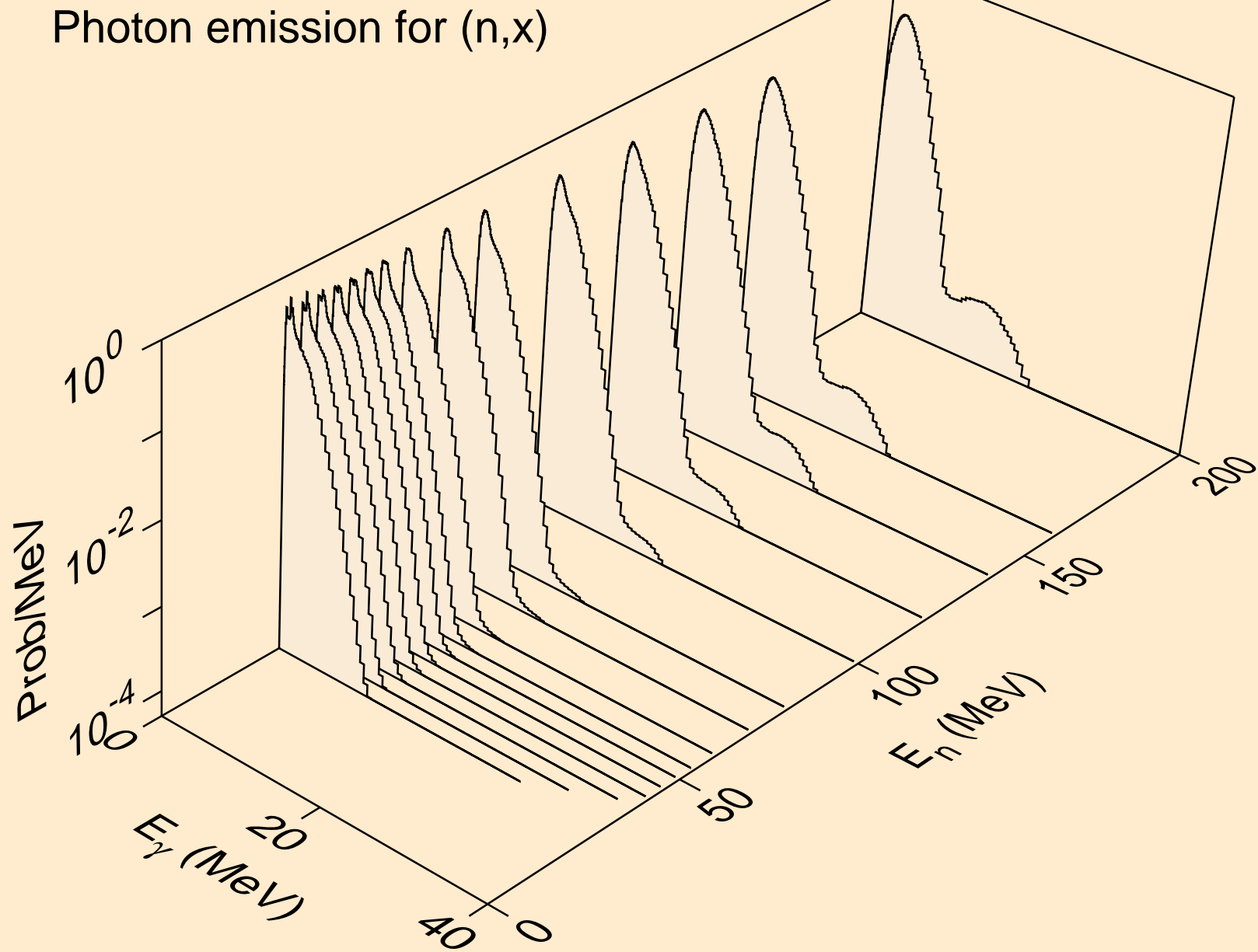
SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

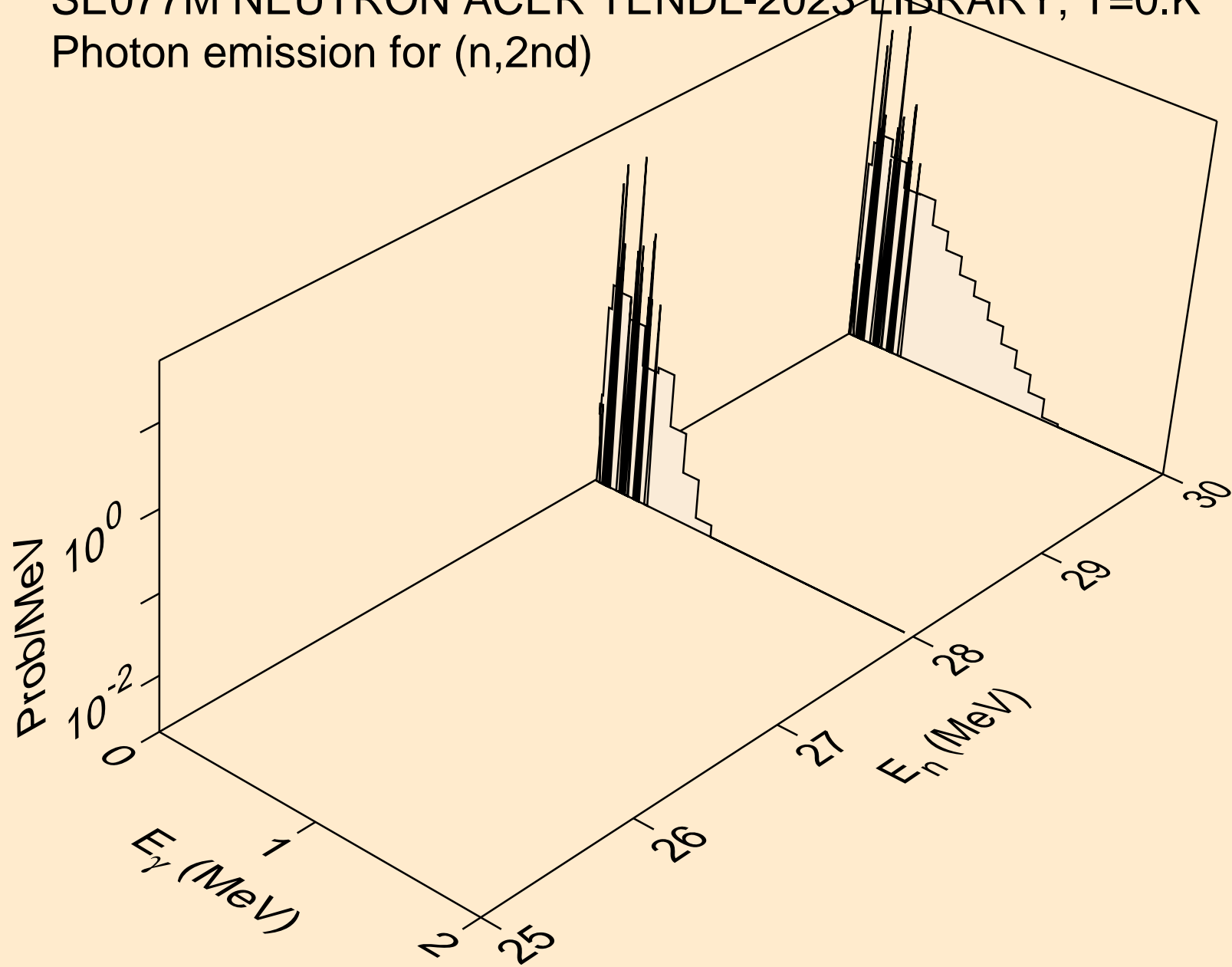


SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)

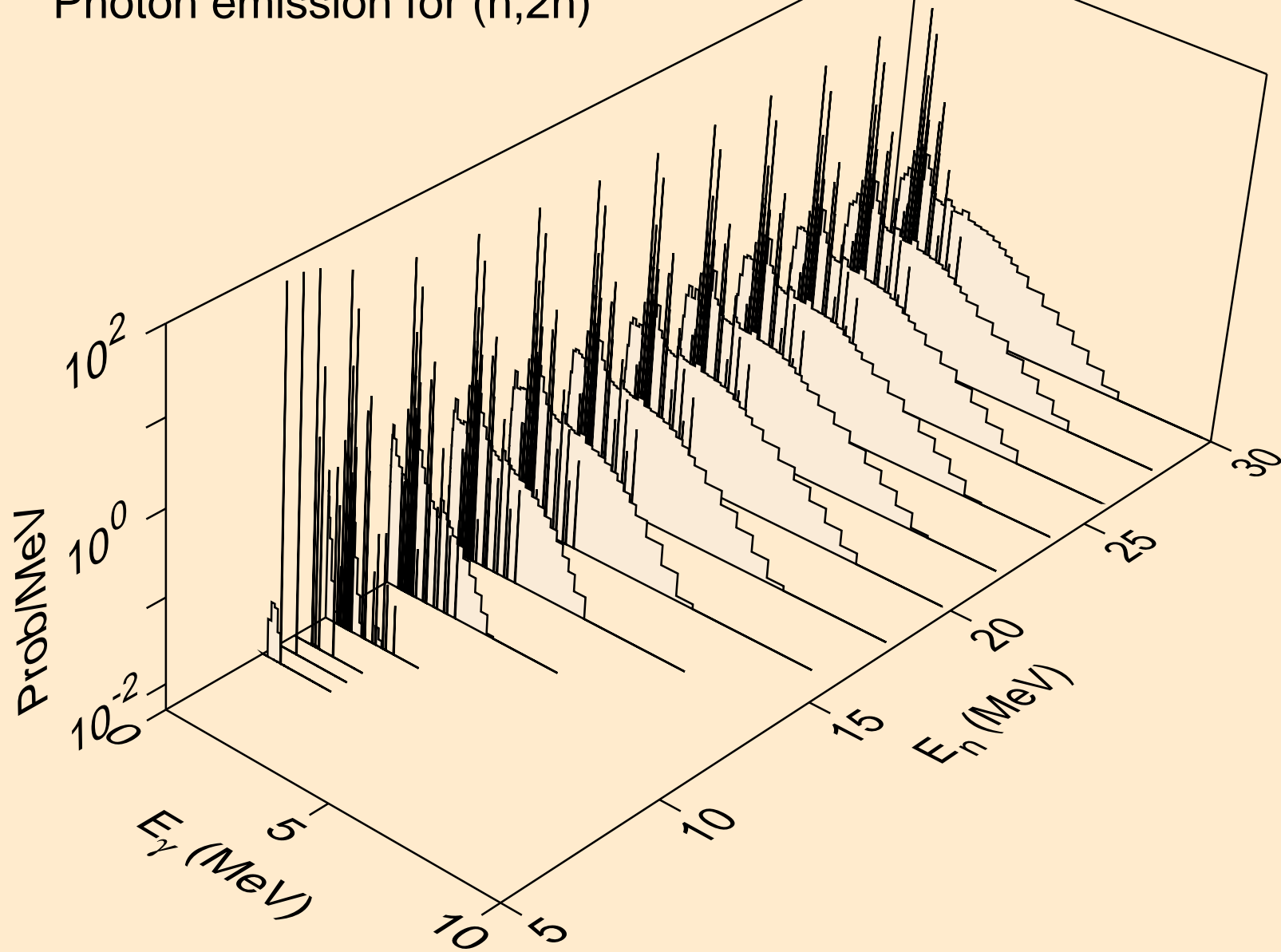




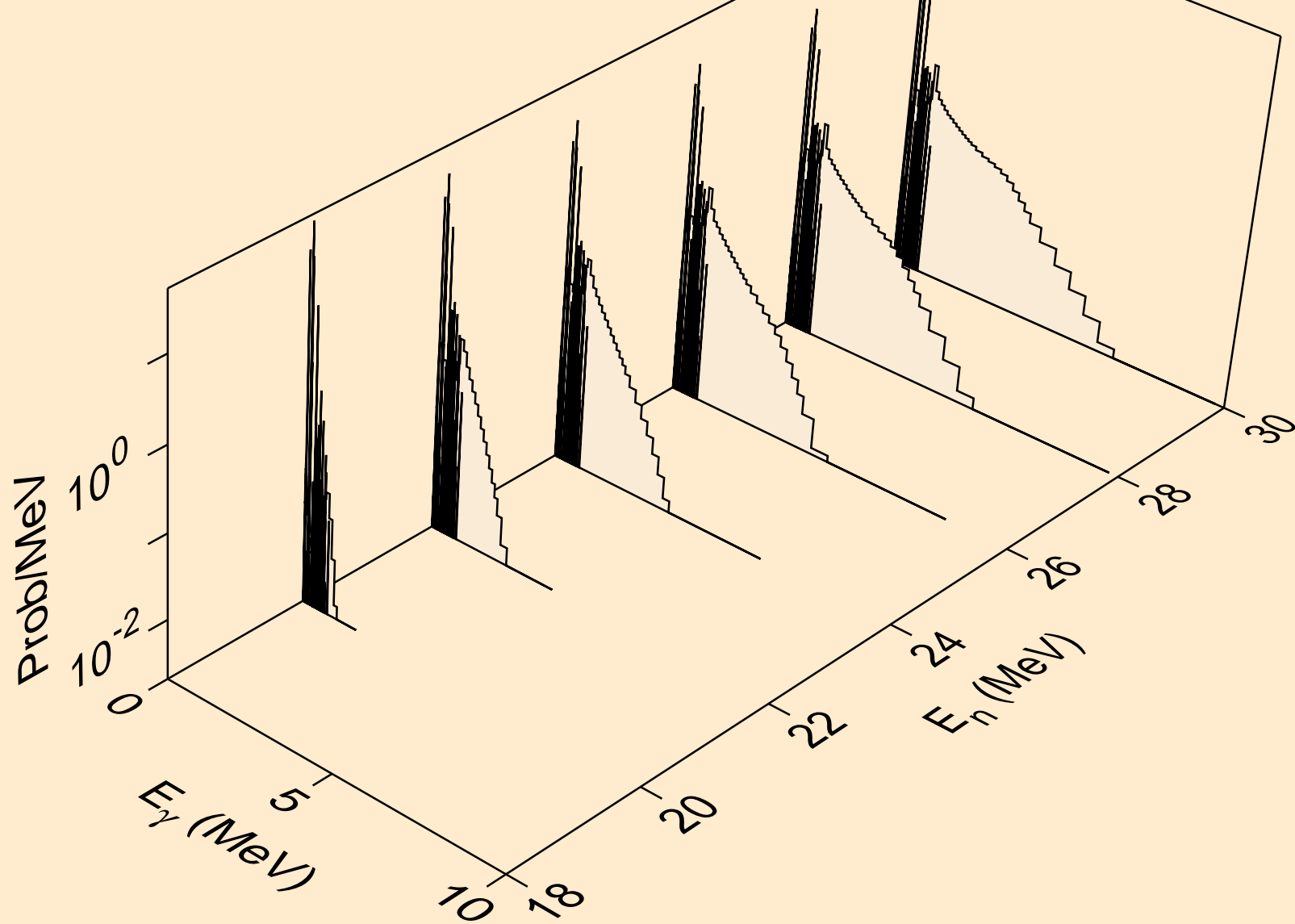
SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



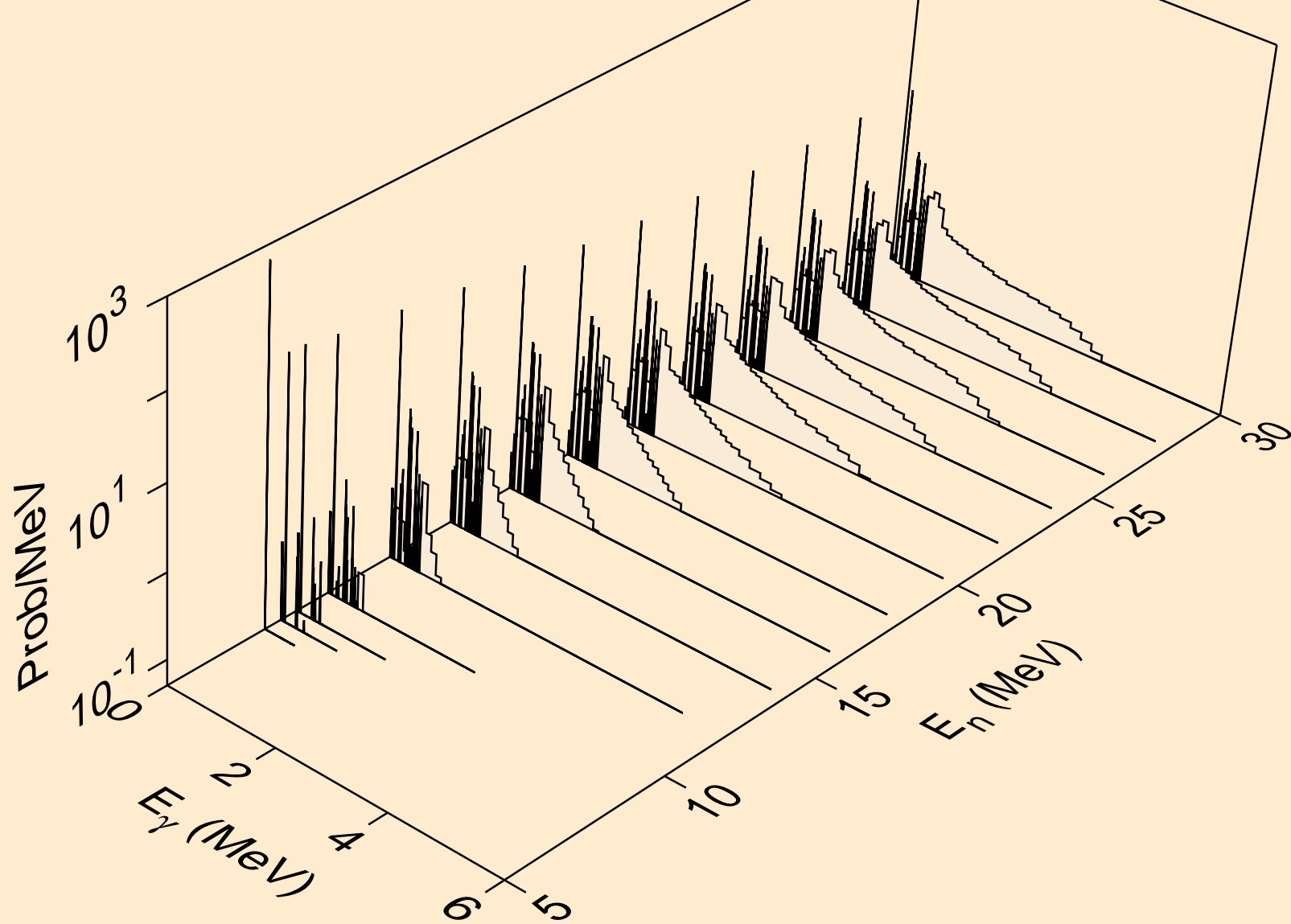
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Photon emission for (n,2n)



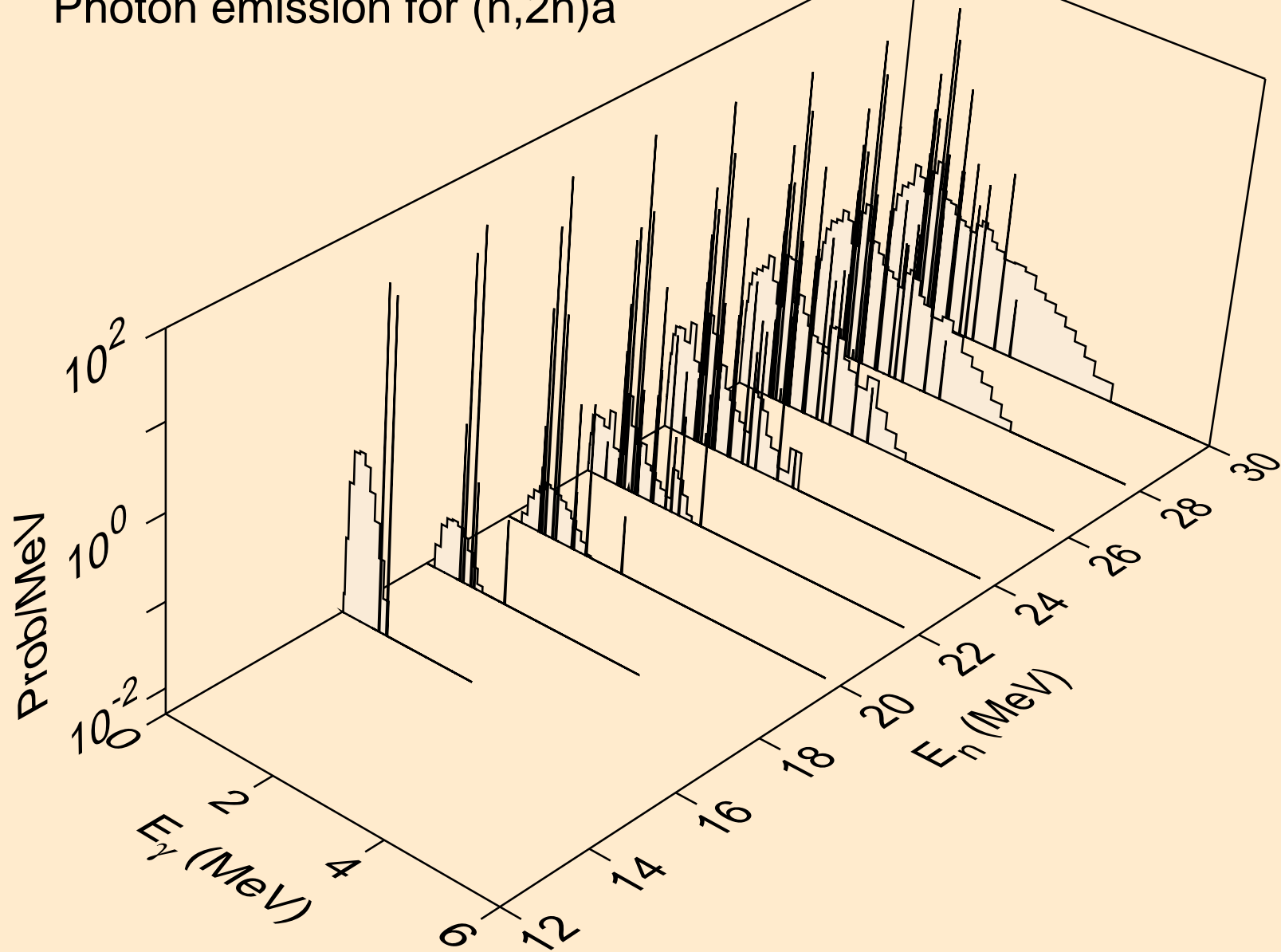
SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



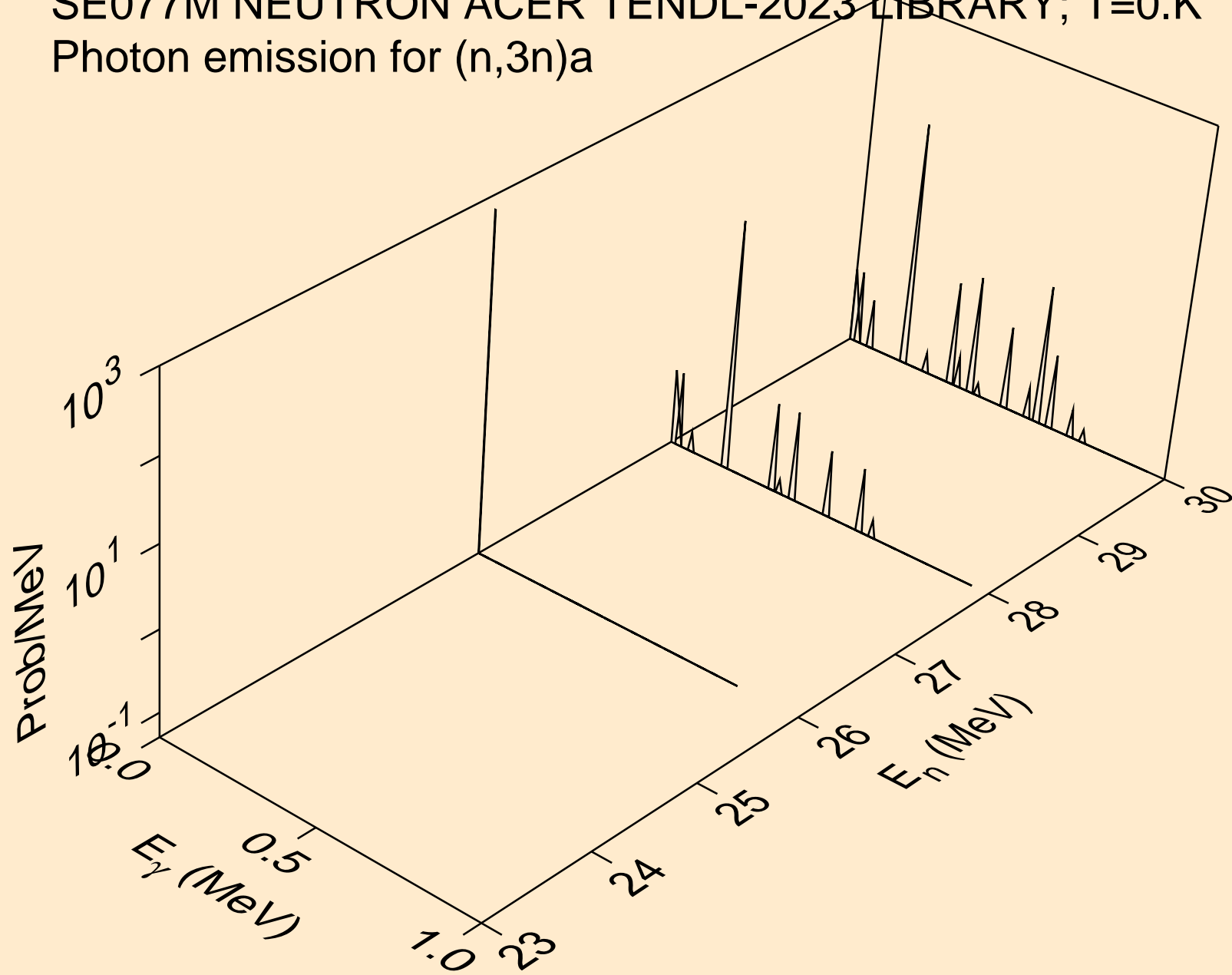
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Photon emission for (n,n\*)a



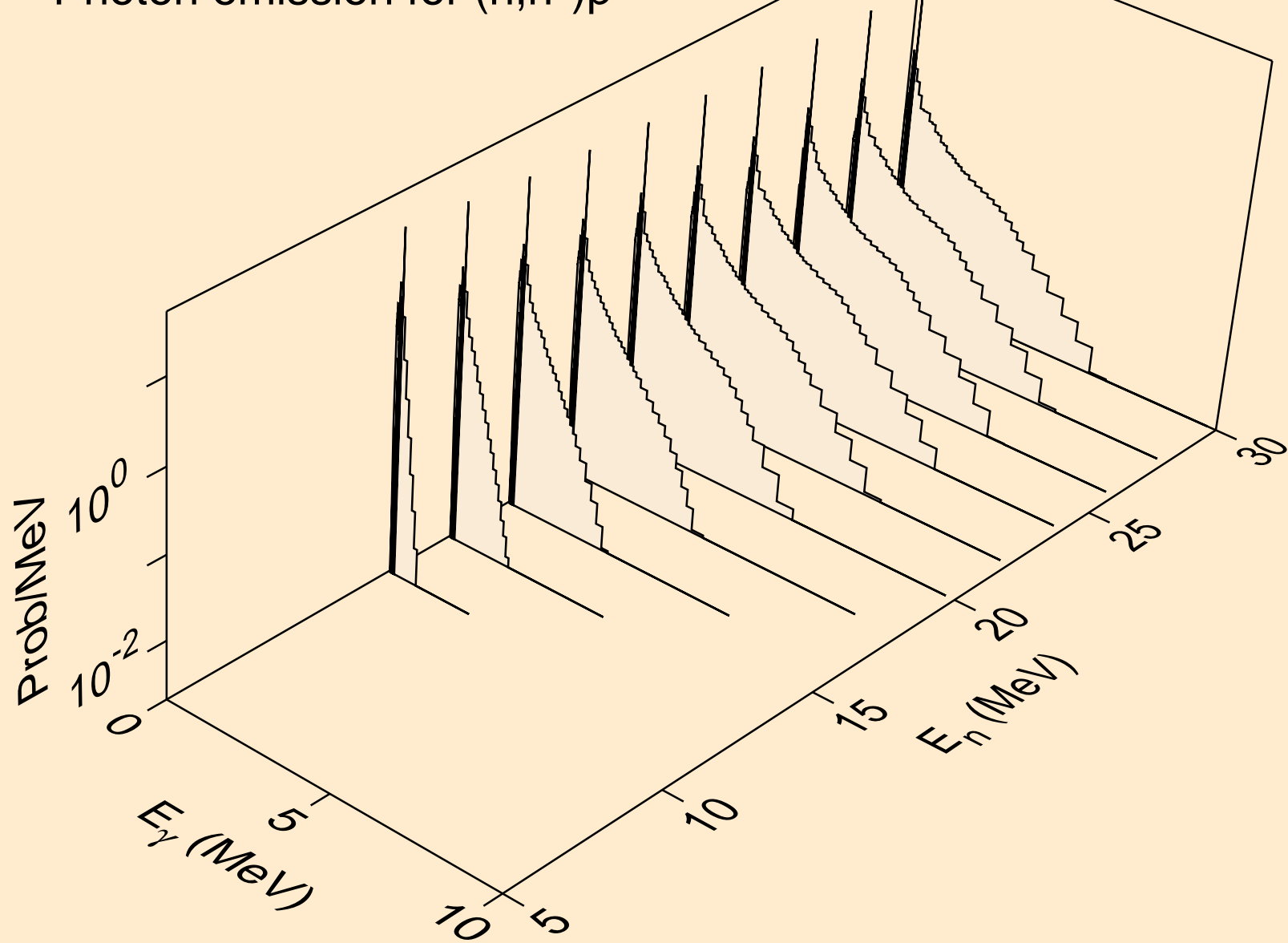
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Photon emission for (n,2n)a



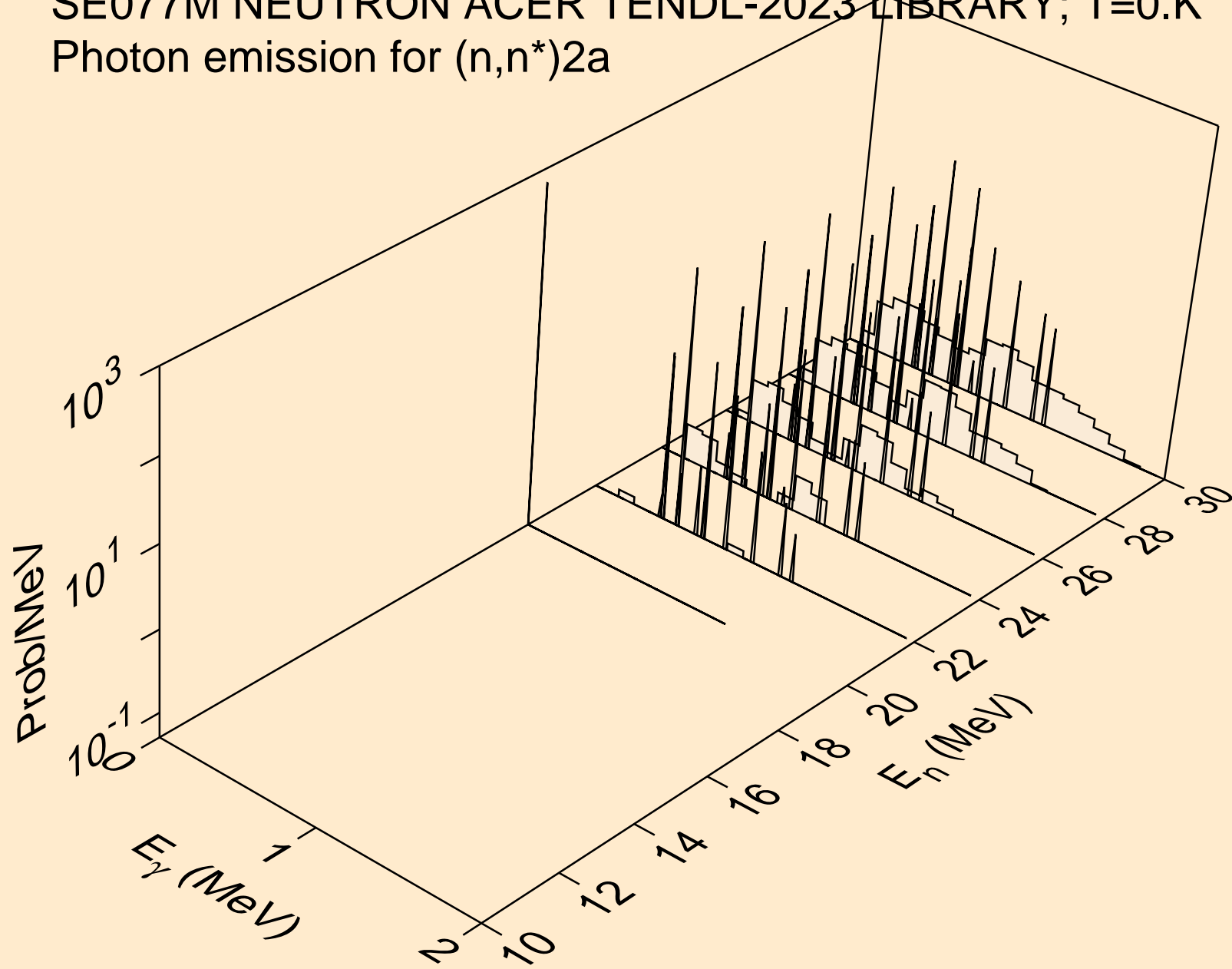
SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

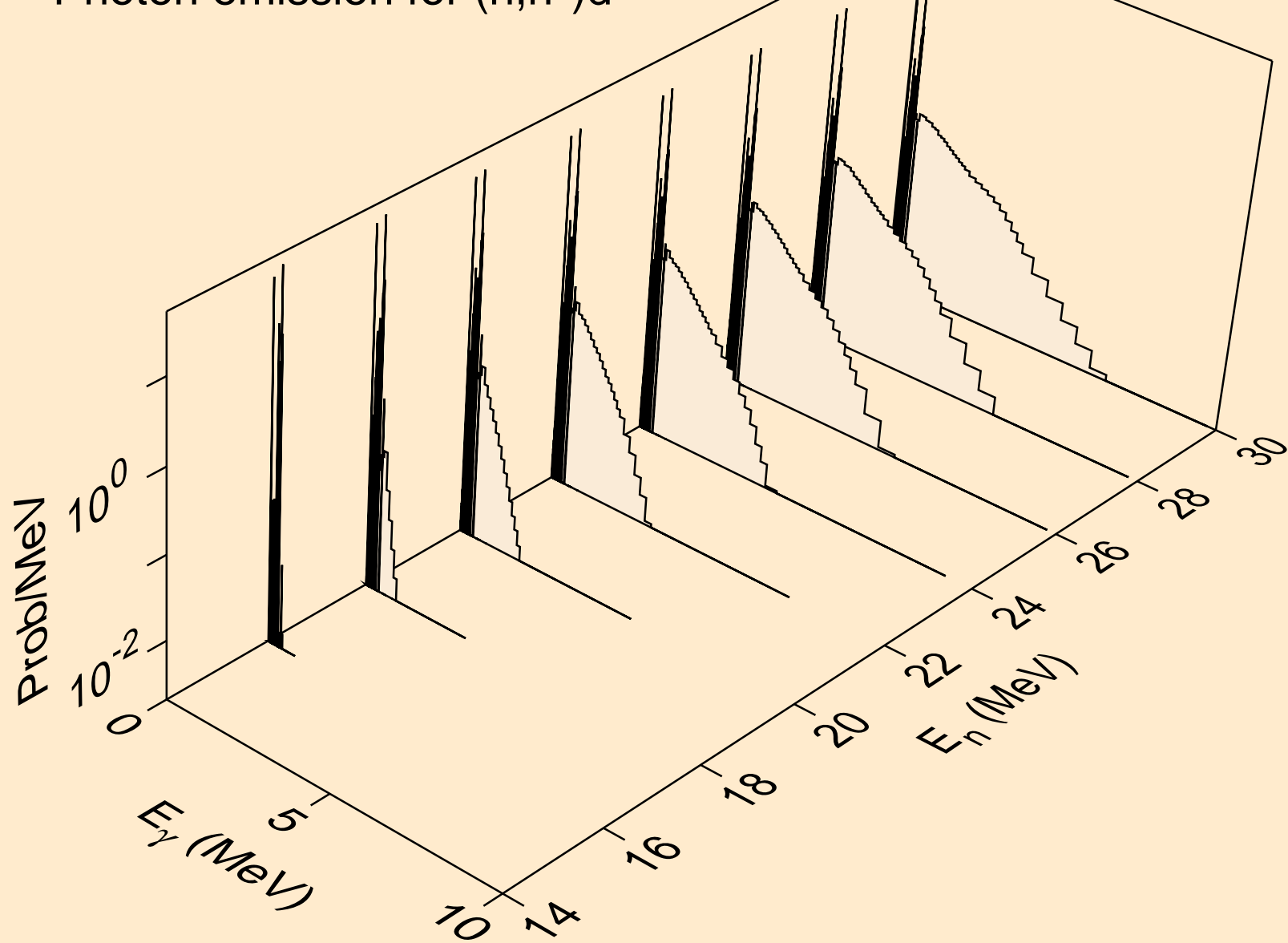


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Photon emission for (n,n\*)2a

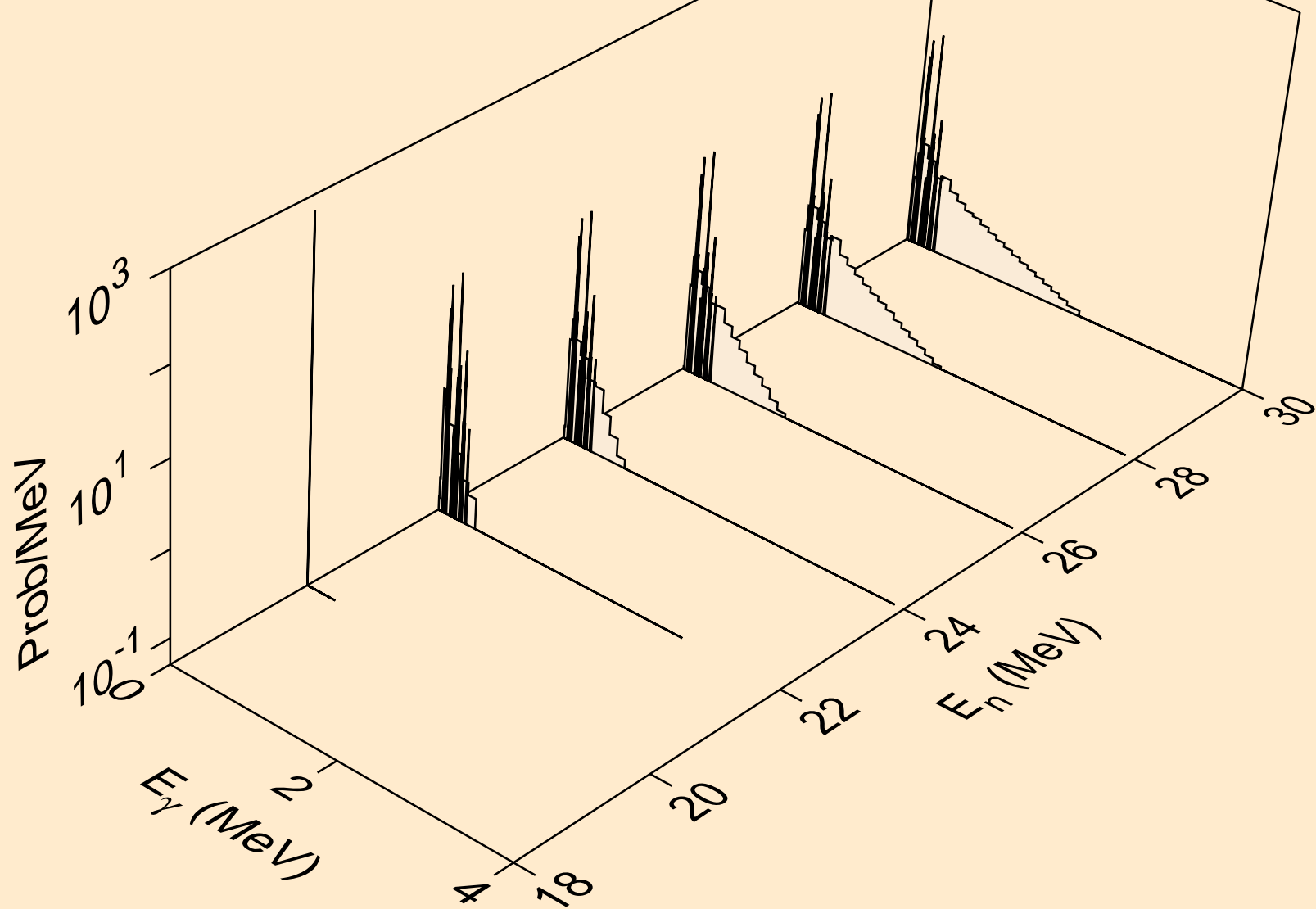




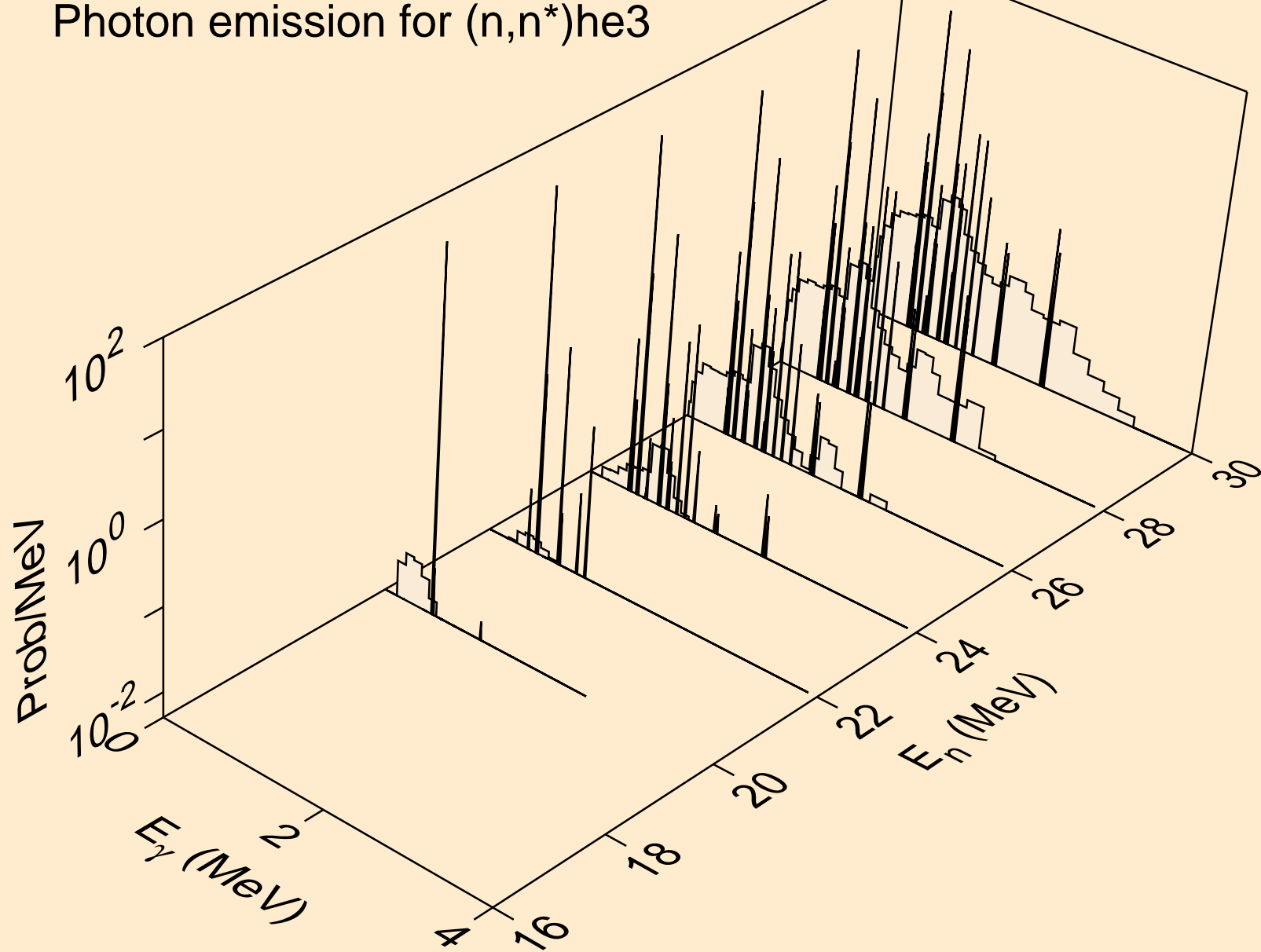
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Photon emission for (n,n\*)d



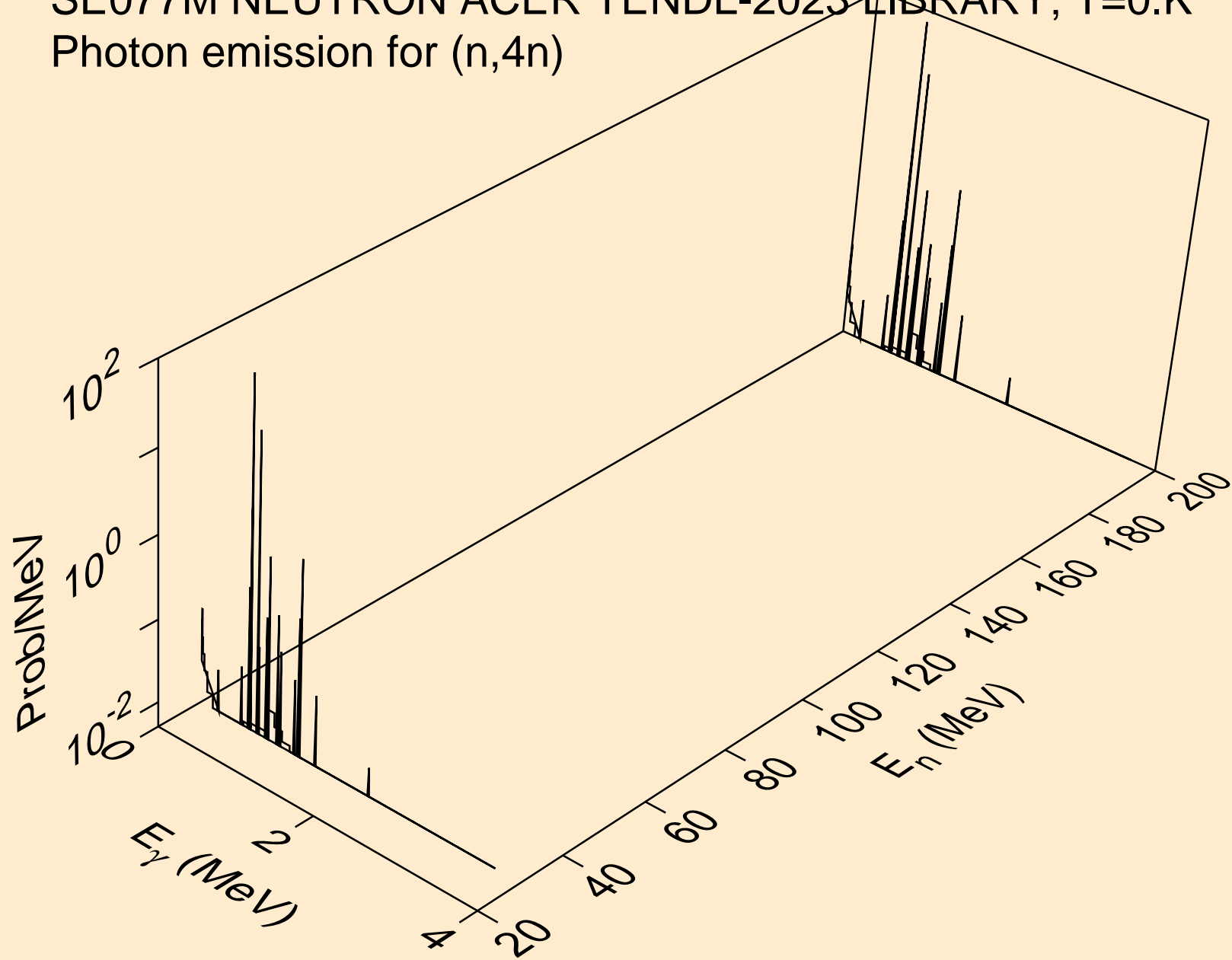
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Photon emission for (n,n\*)t



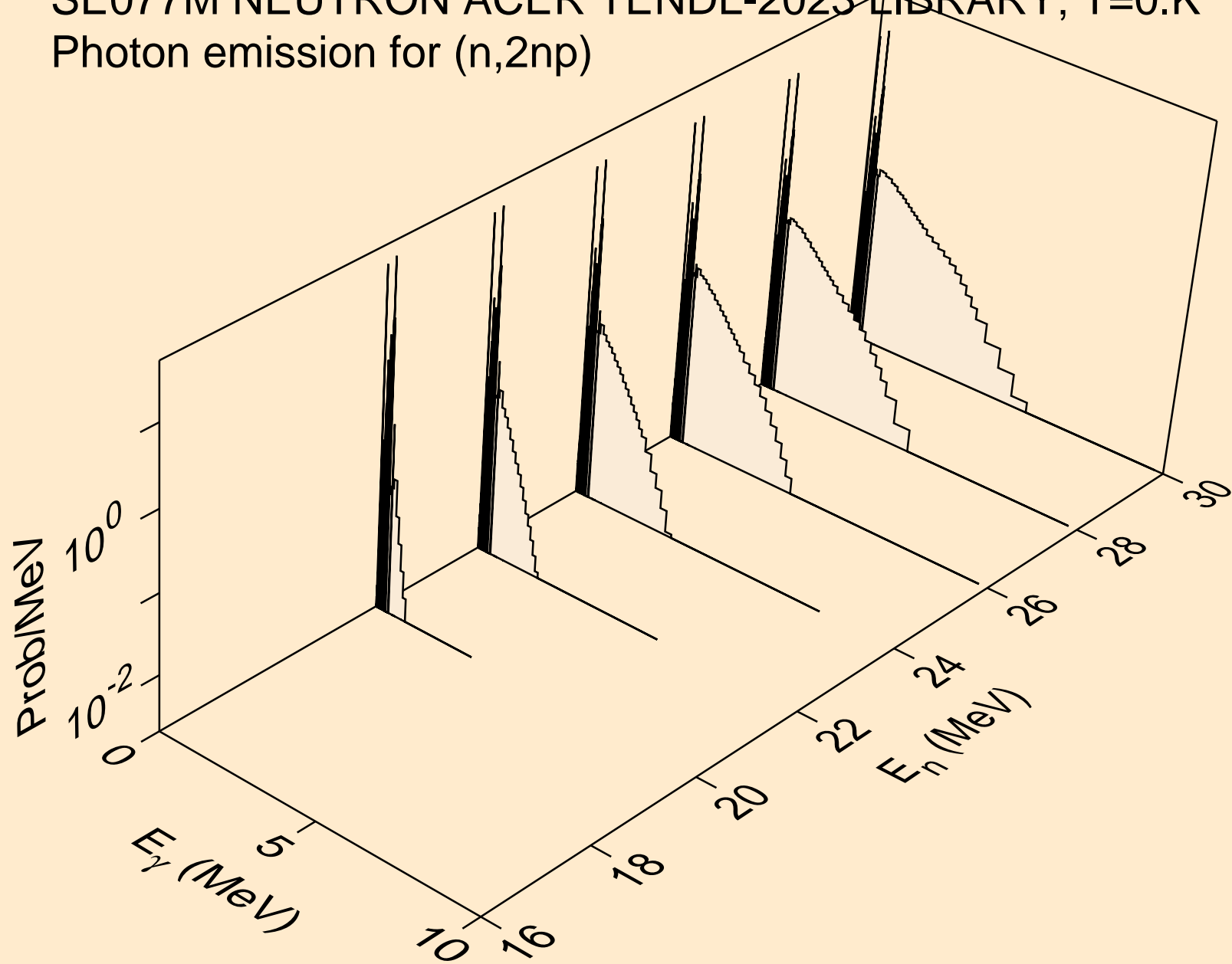
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Photon emission for (n,n\*)he3



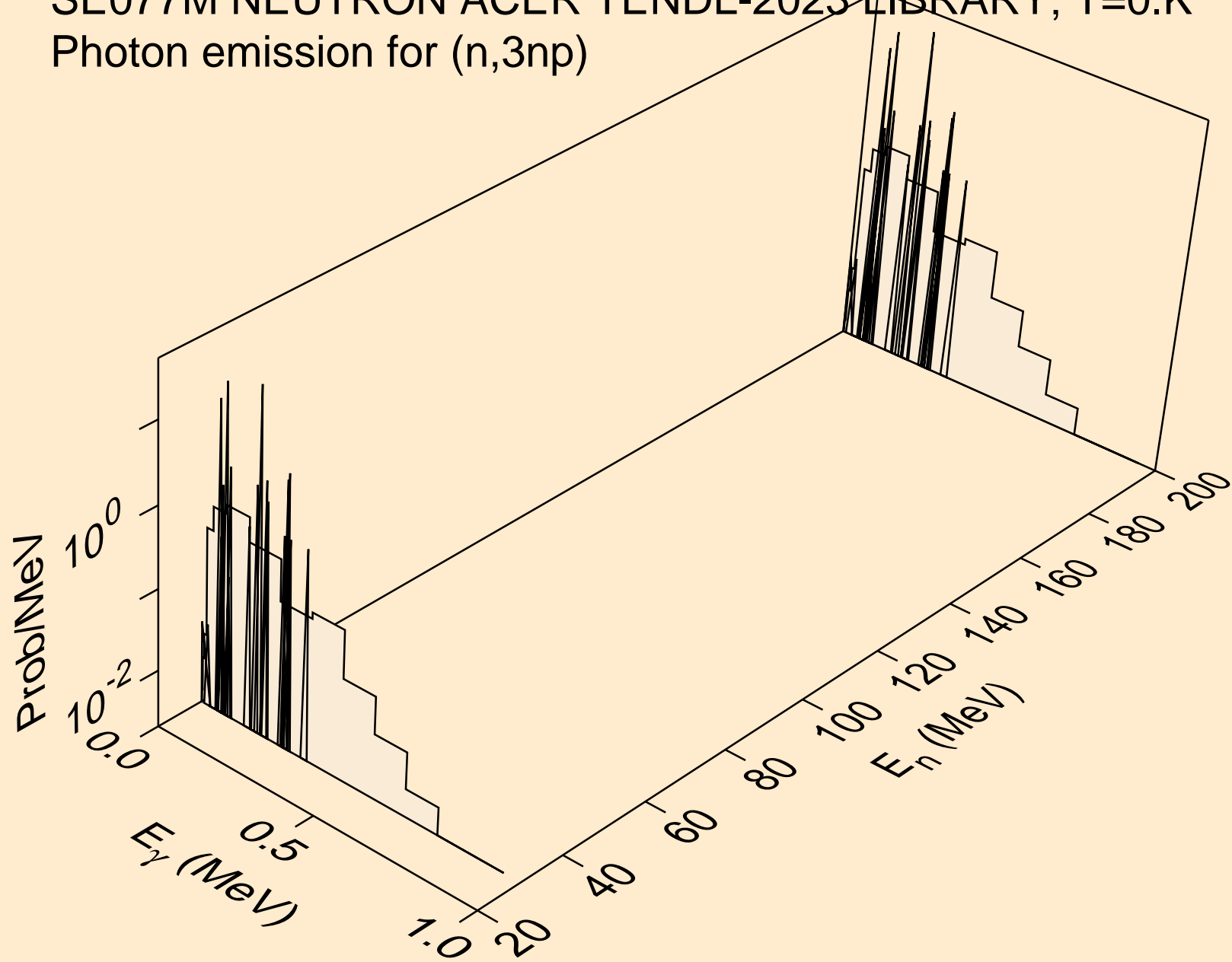
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Photon emission for (n,4n)



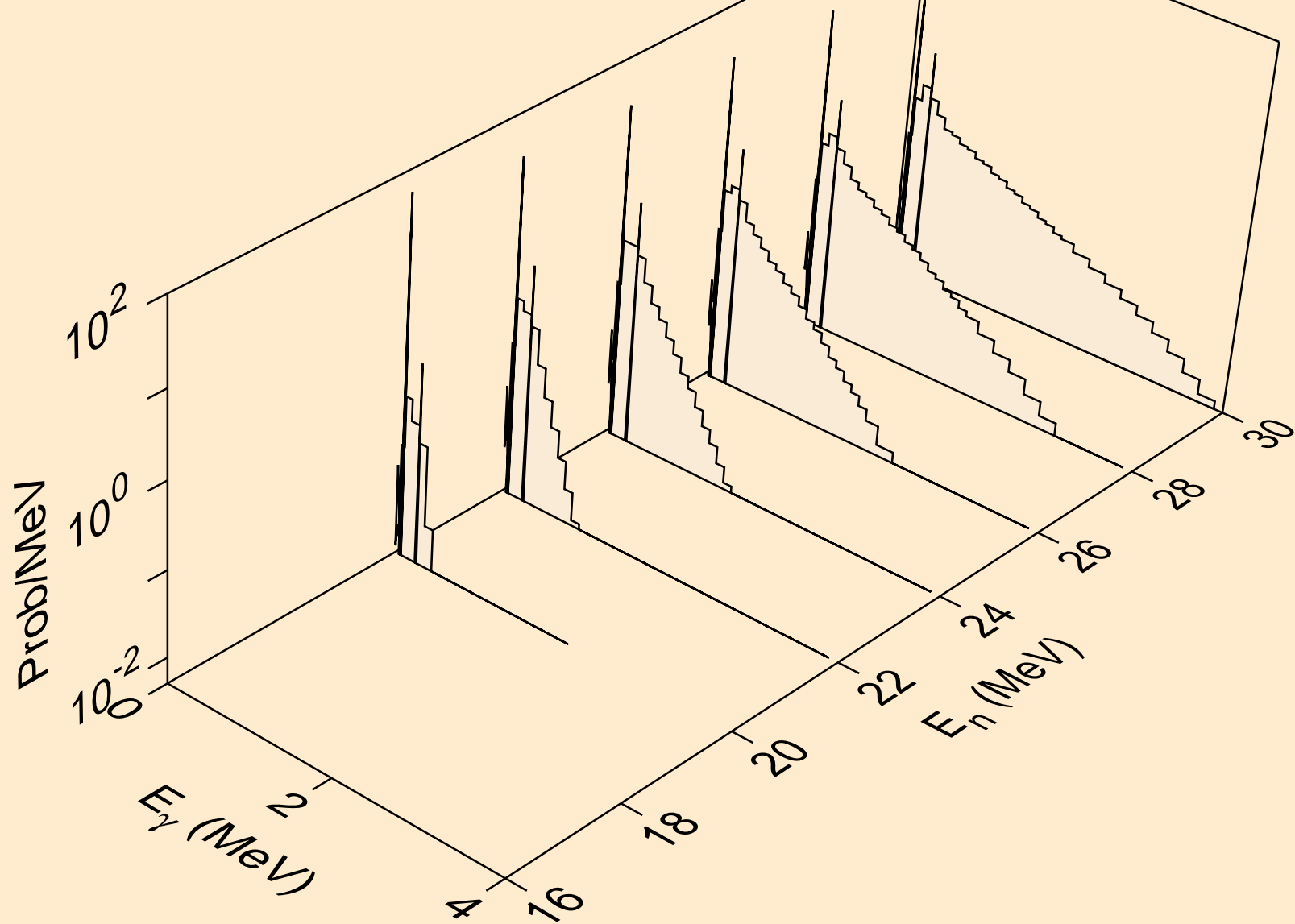
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Photon emission for (n,2np)



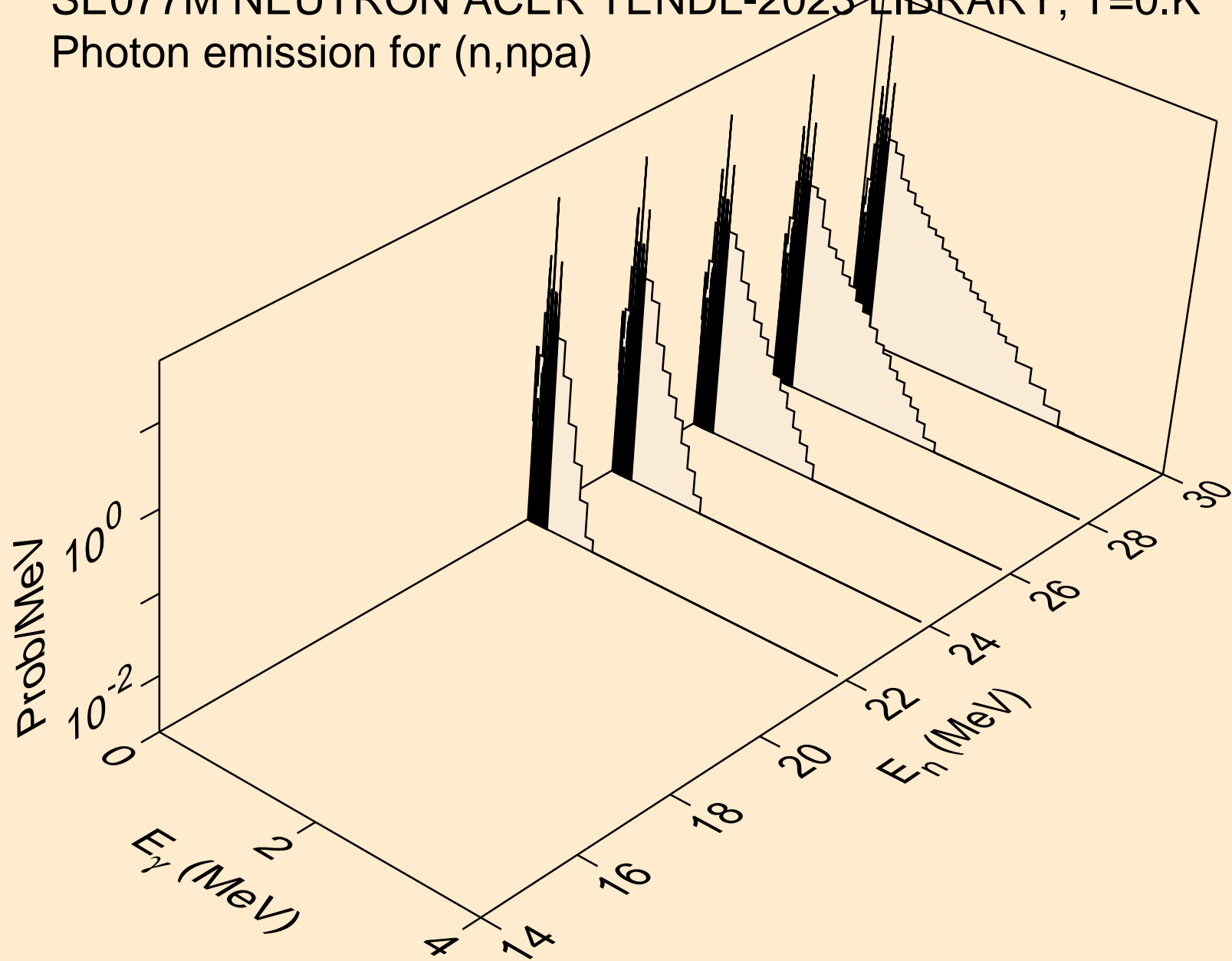
SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)

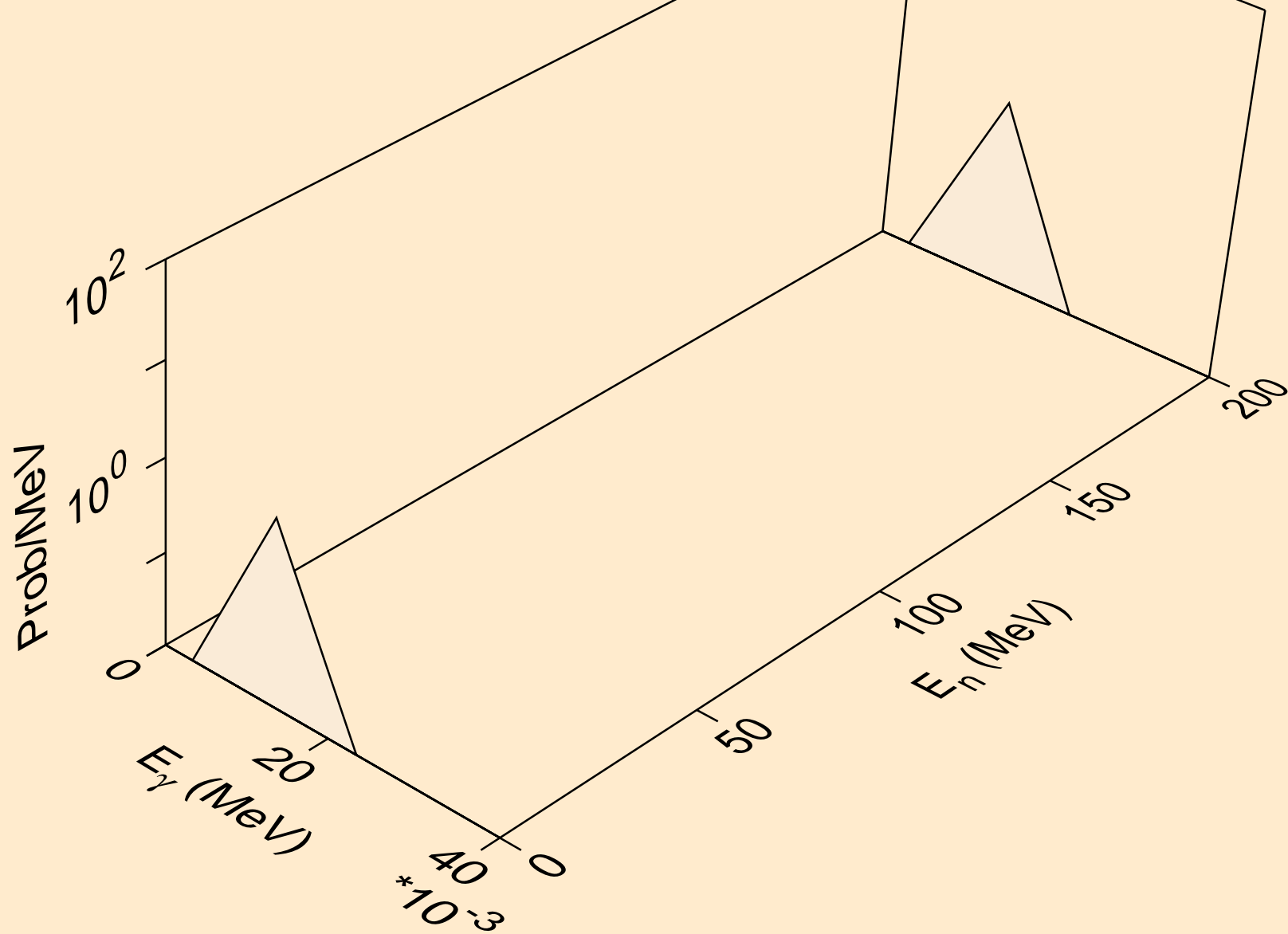


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Photon emission for (n,npa)

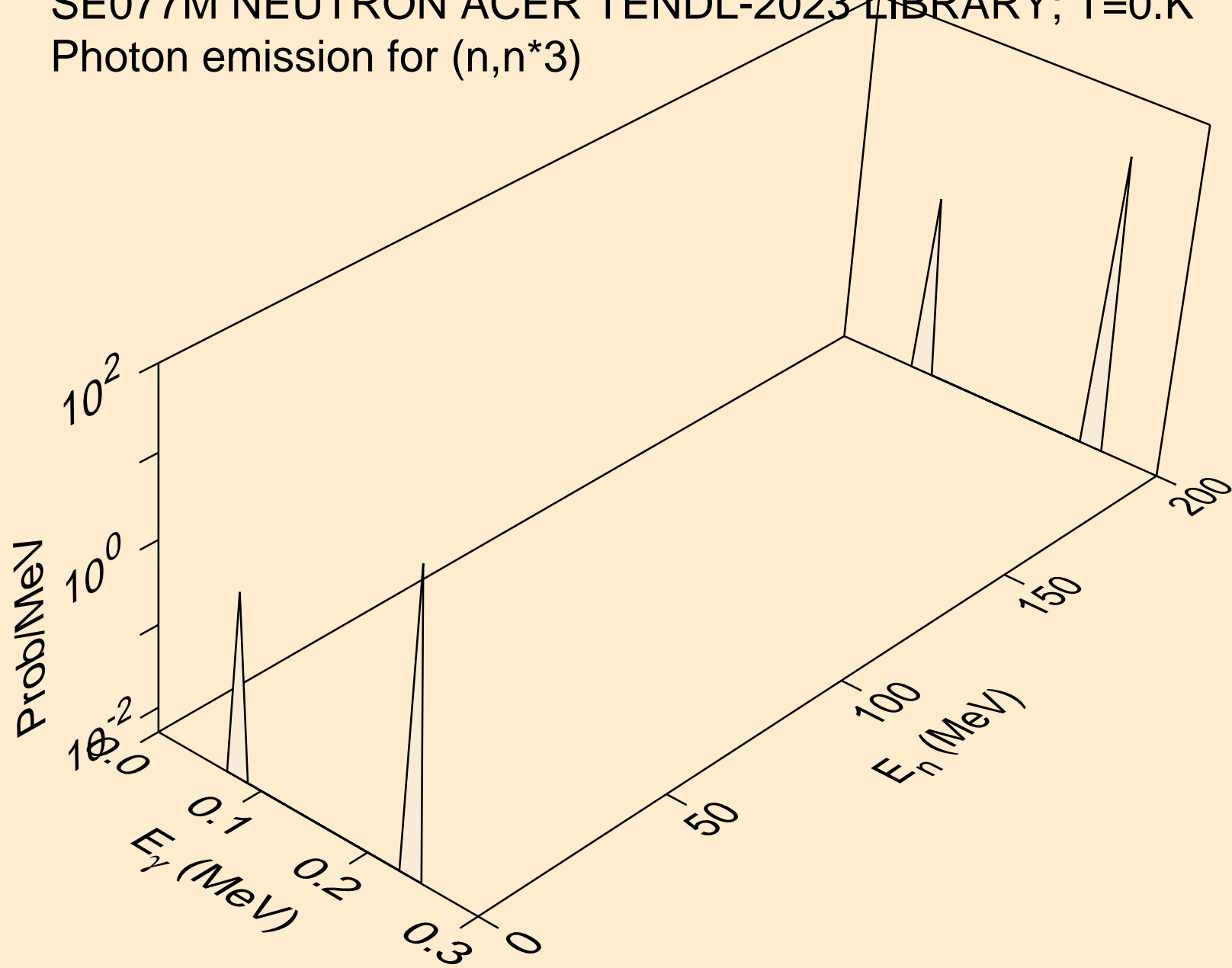




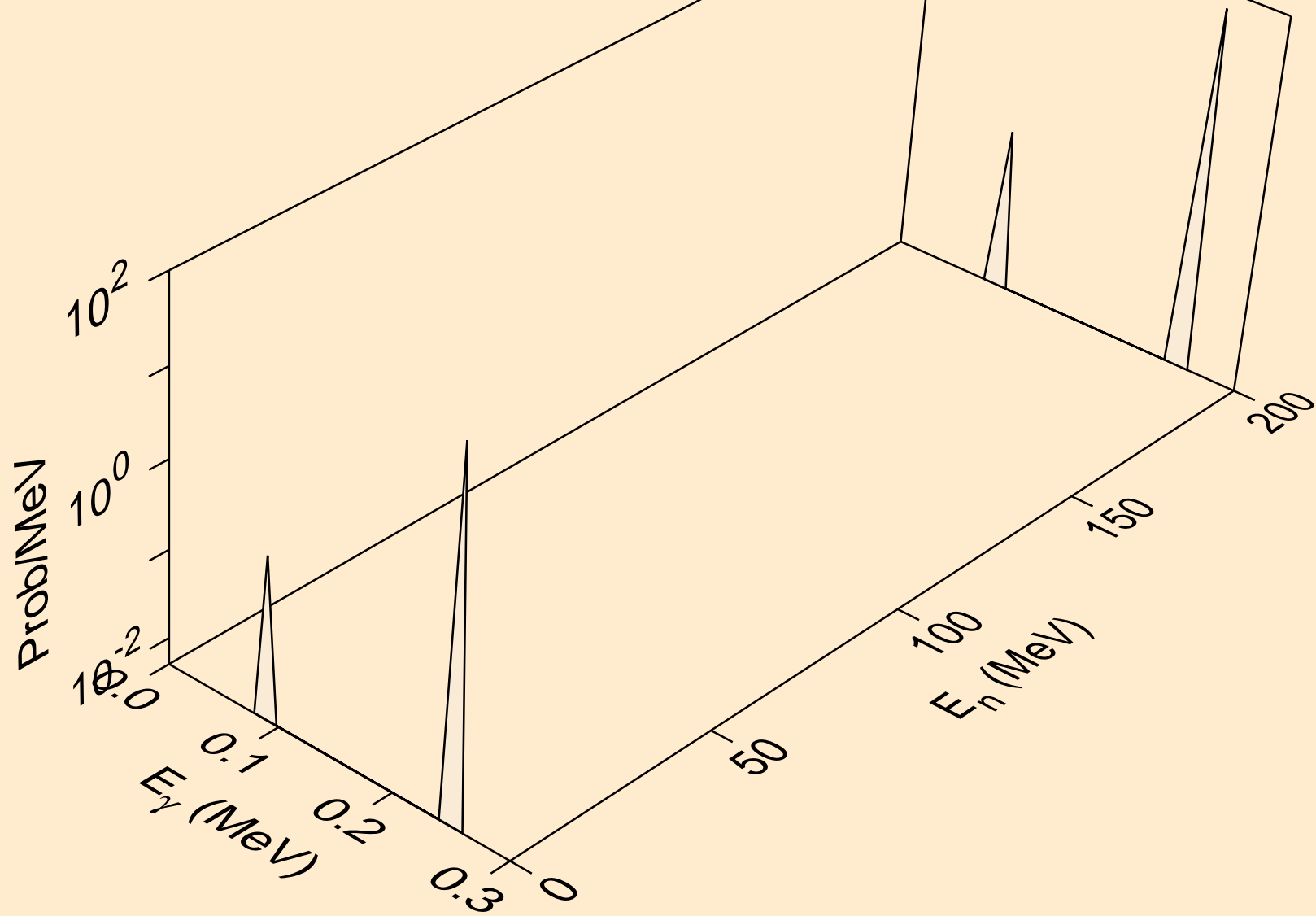
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Photon emission for (n,n\*2)



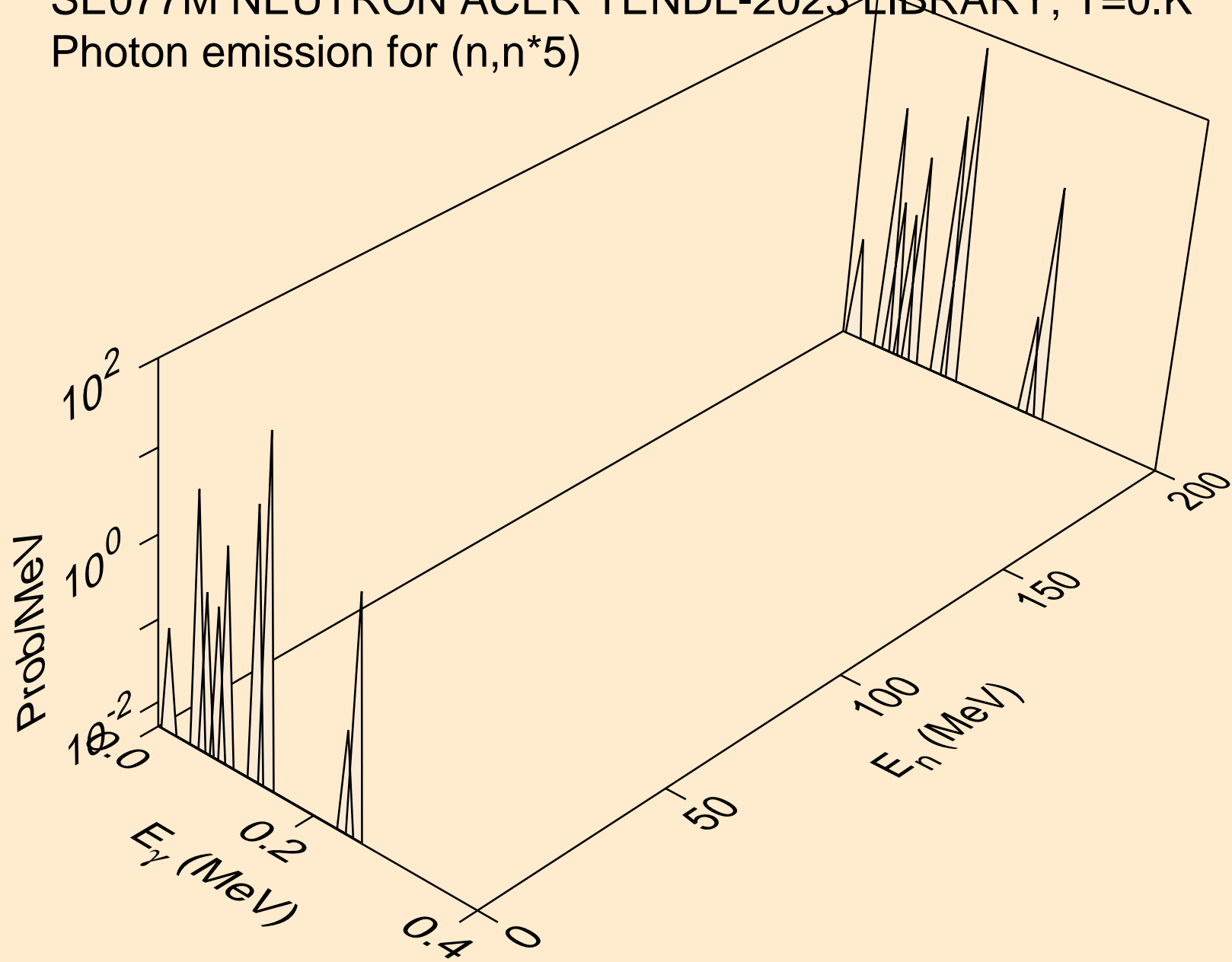
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Photon emission for (n,n\*3)



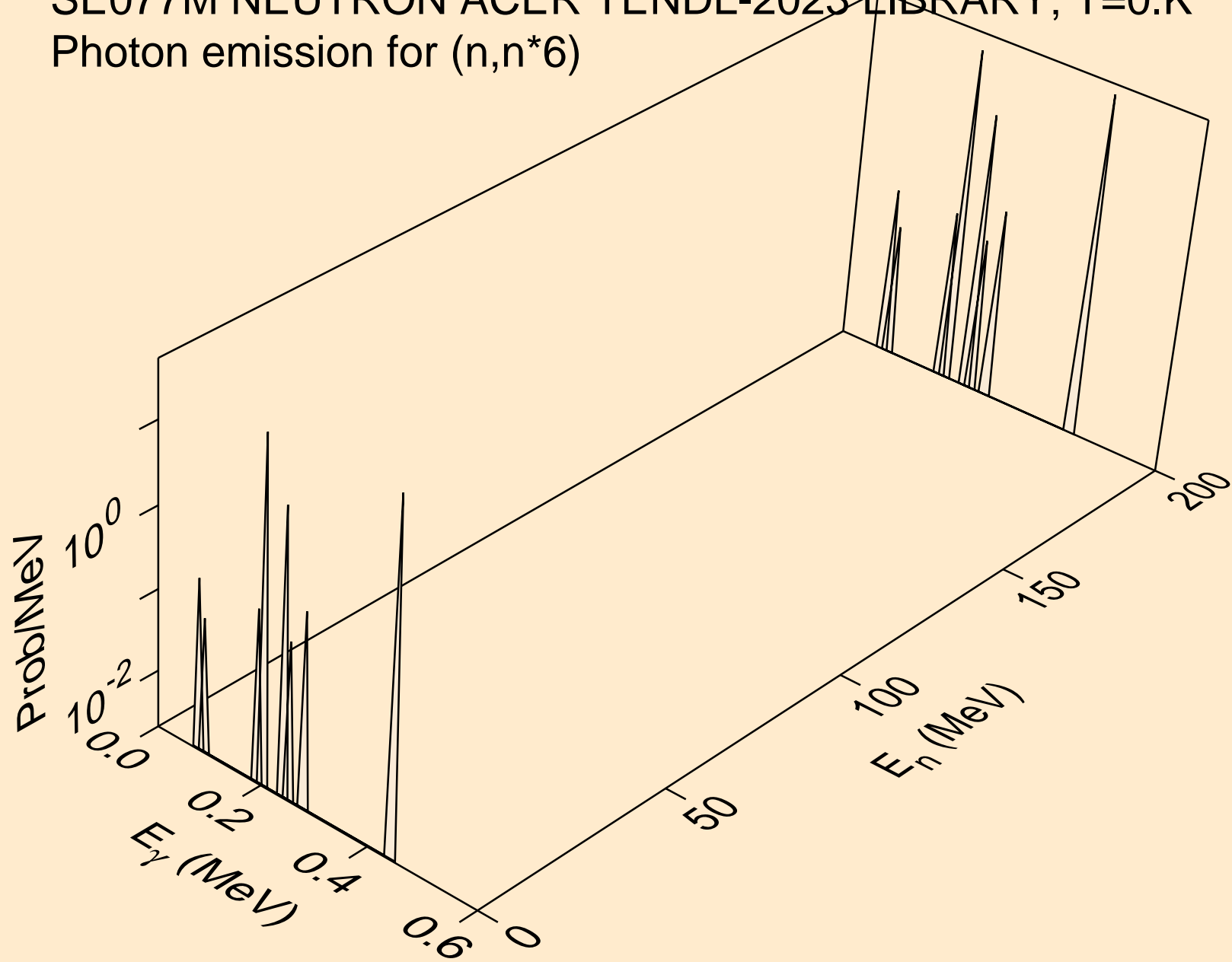
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Photon emission for (n,n\*4)



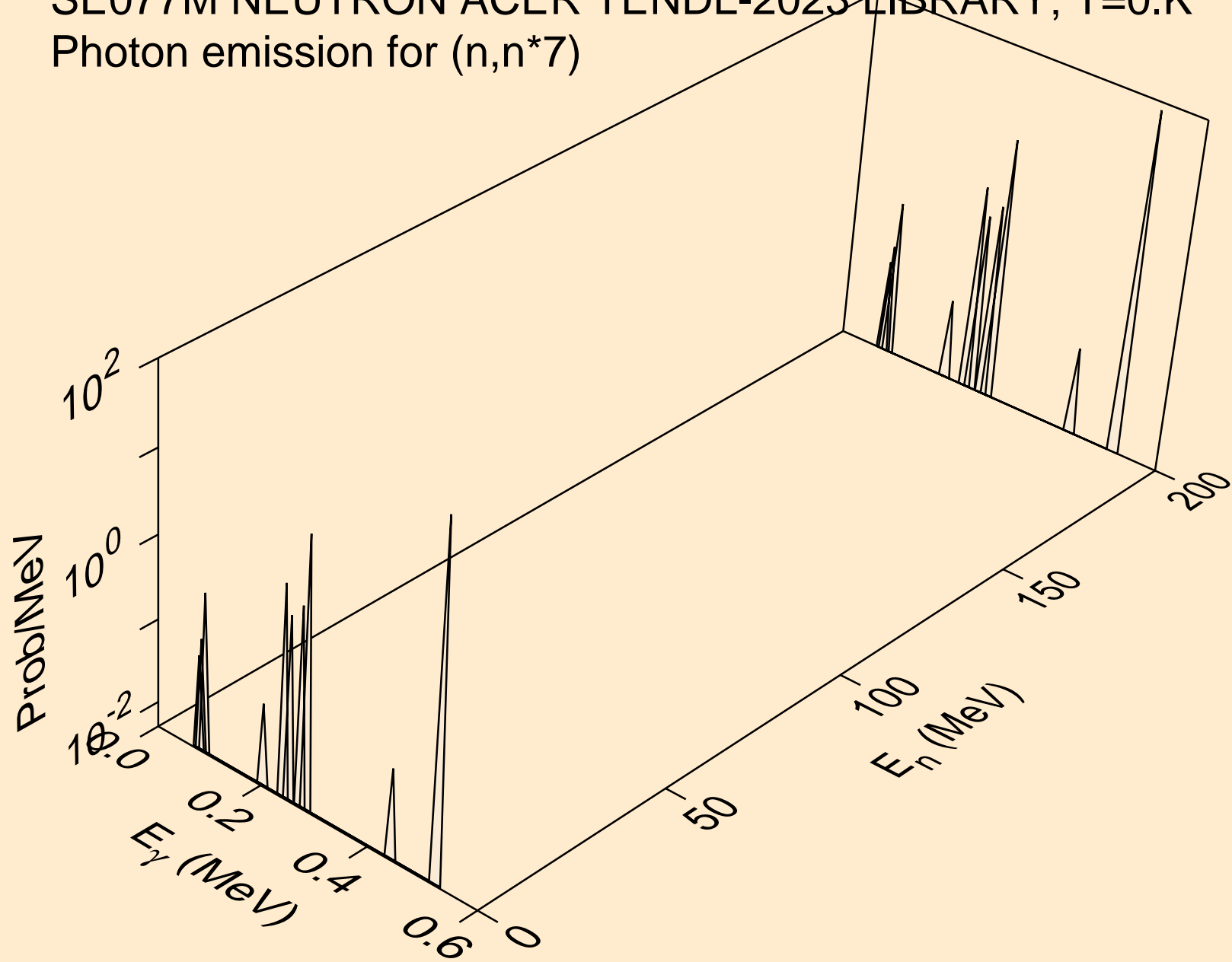
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Photon emission for (n,n\*5)



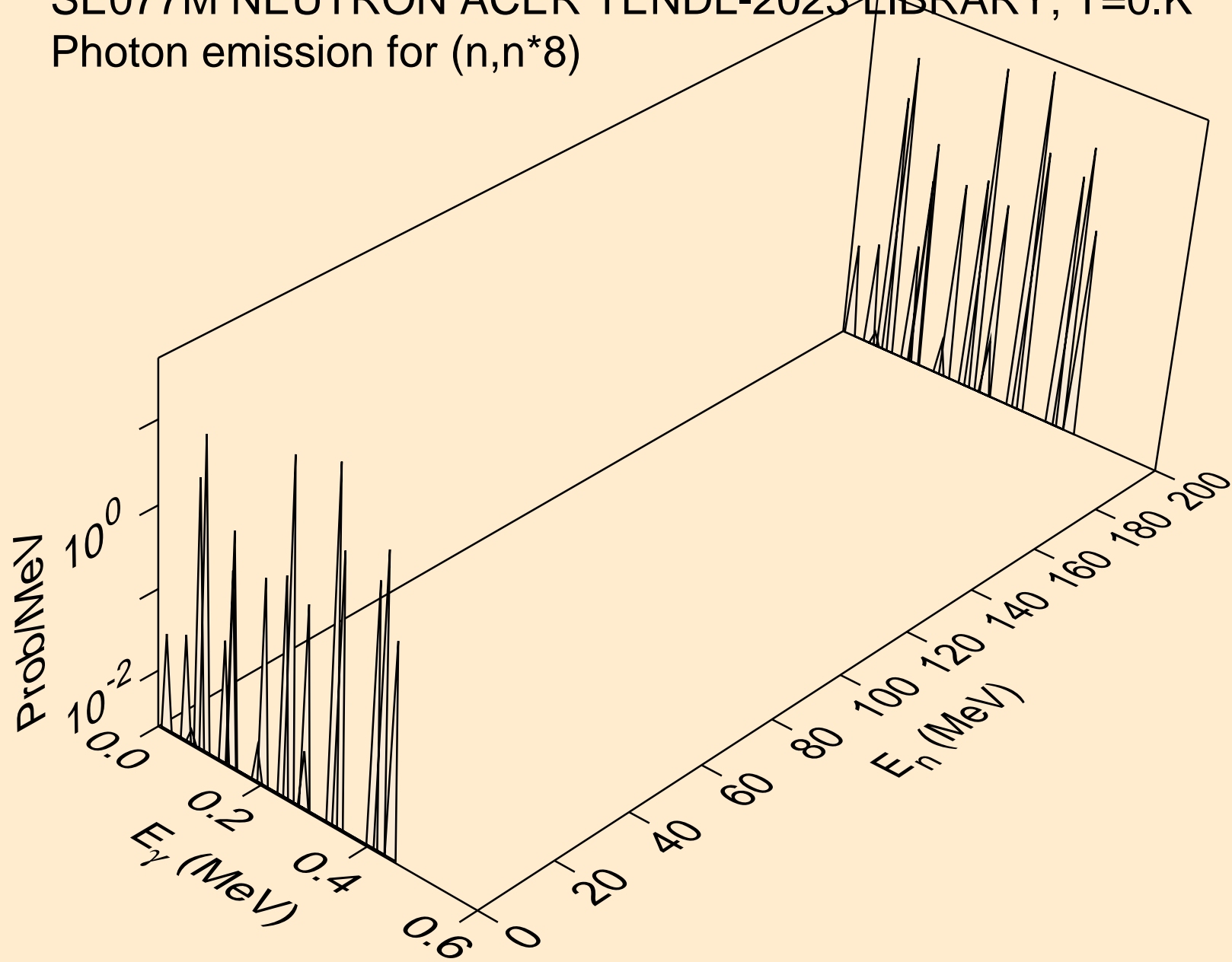
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Photon emission for (n,n\*6)



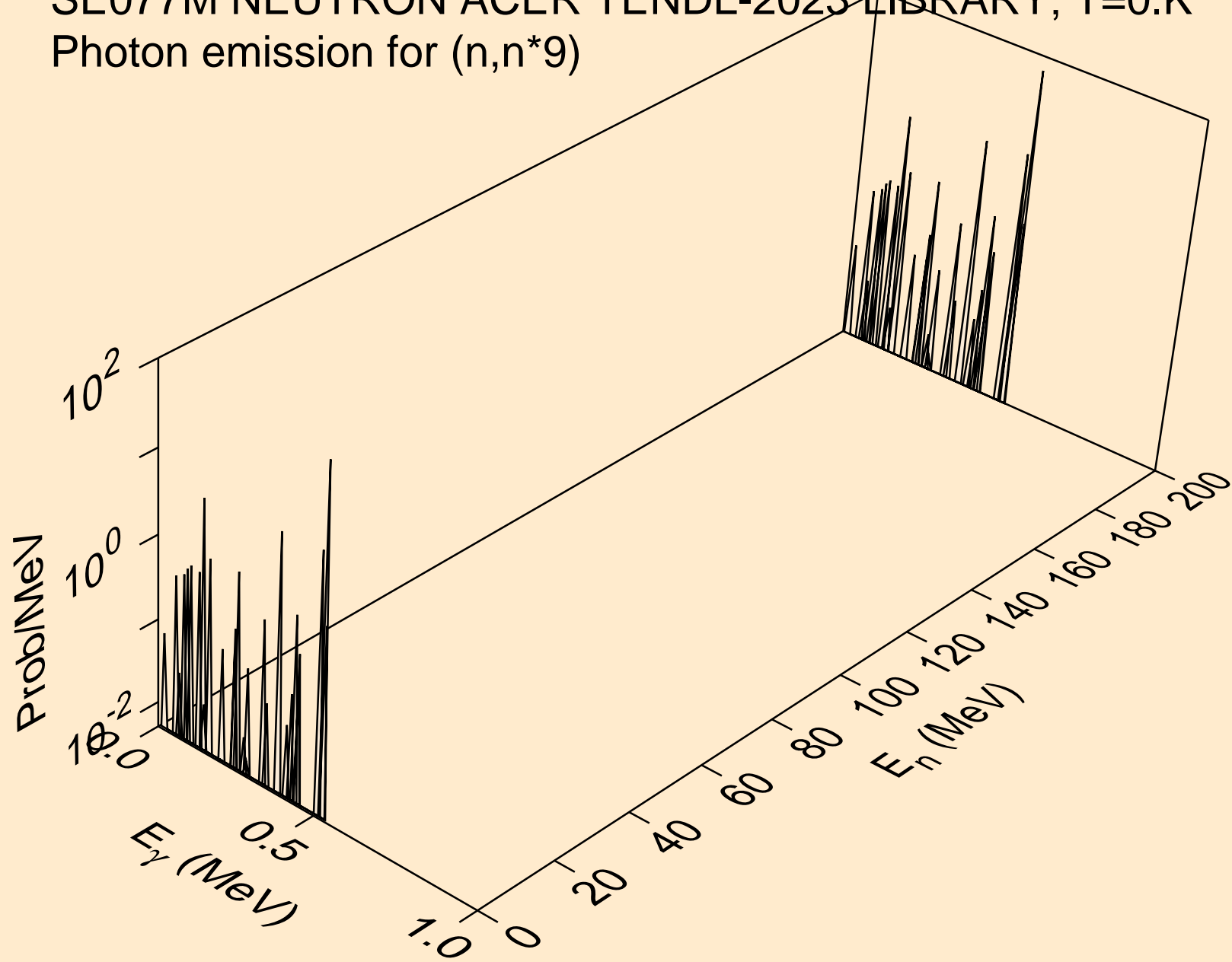
SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*7)



SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*8)

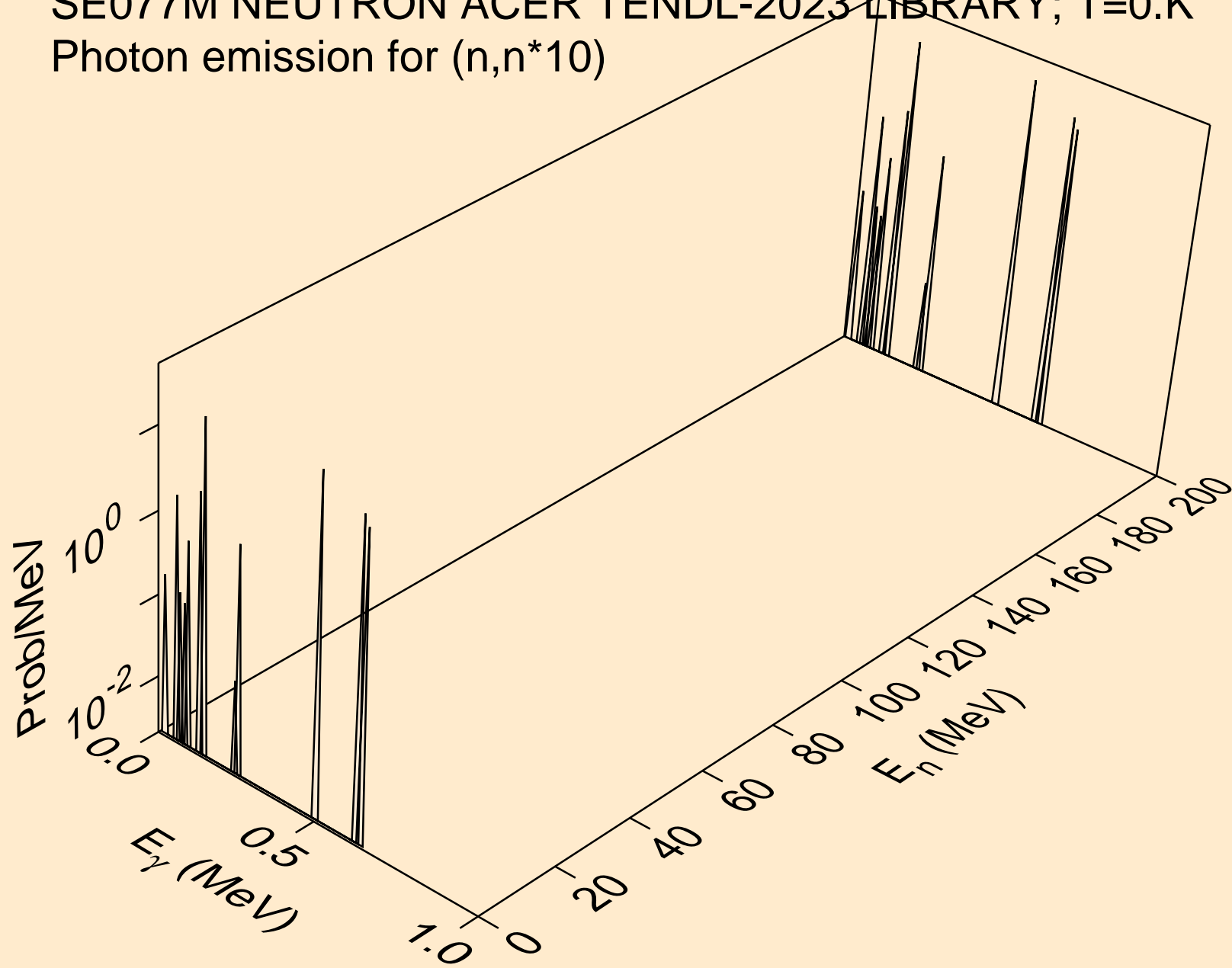


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Photon emission for (n,n\*9)

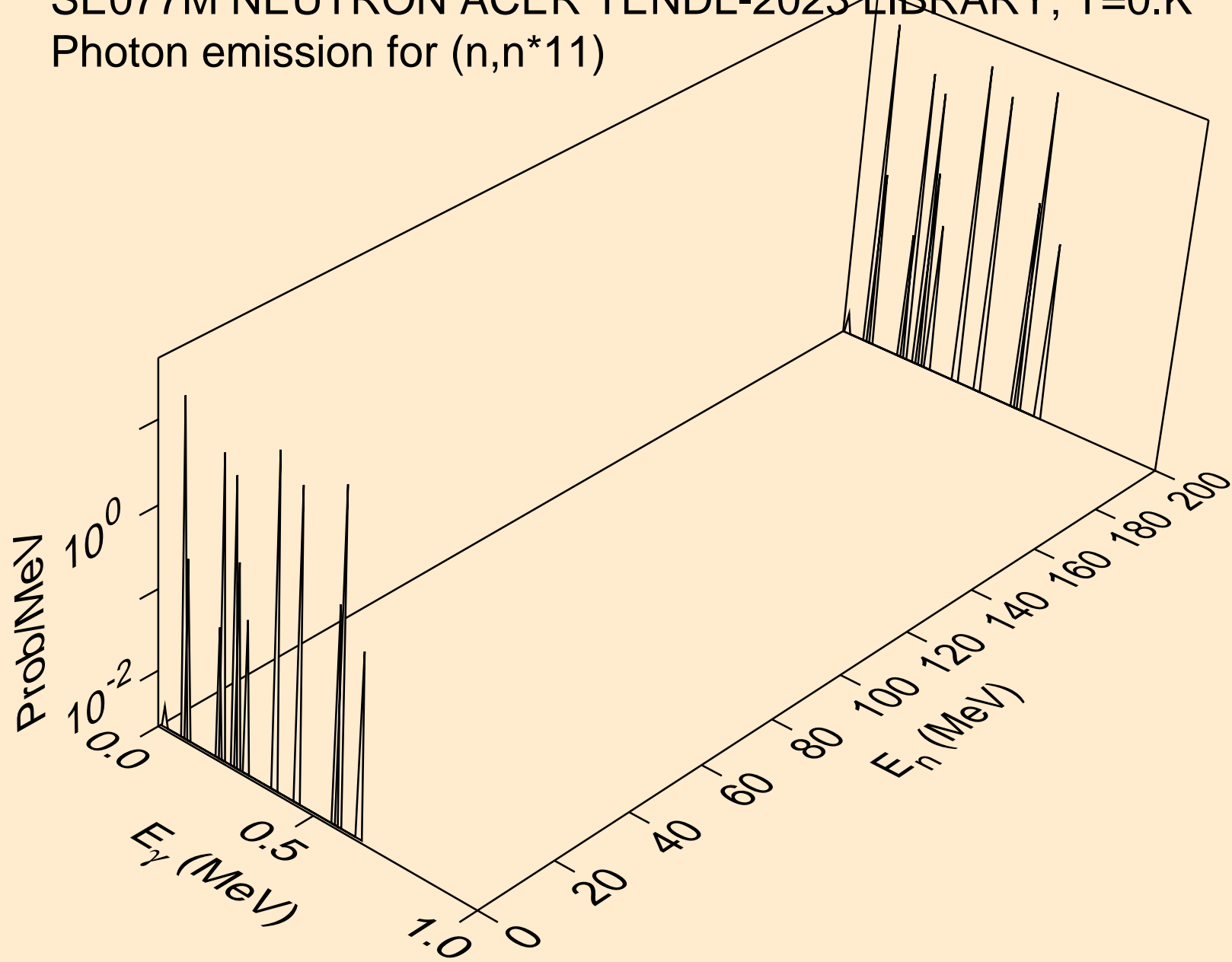




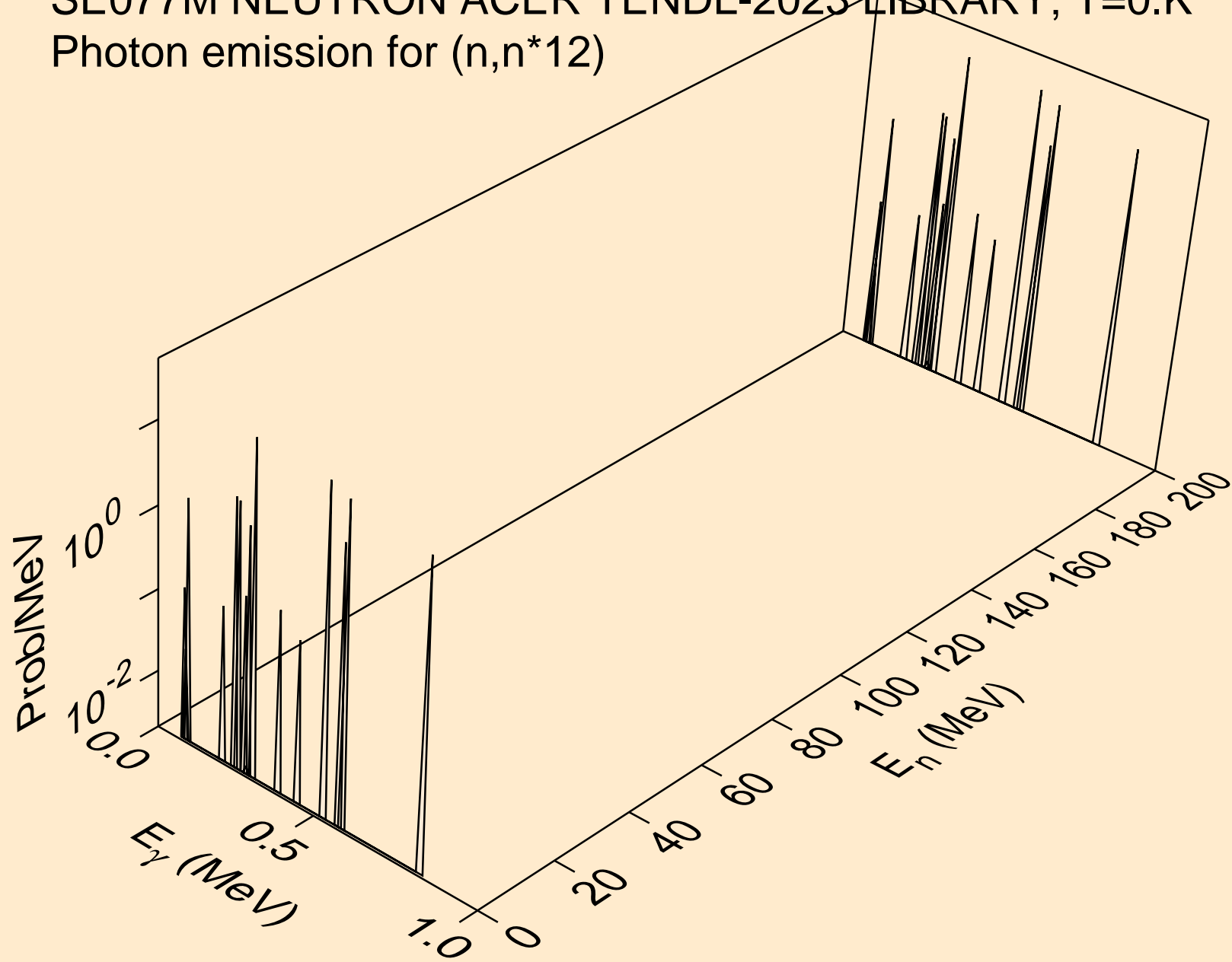
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Photon emission for (n,n\*10)



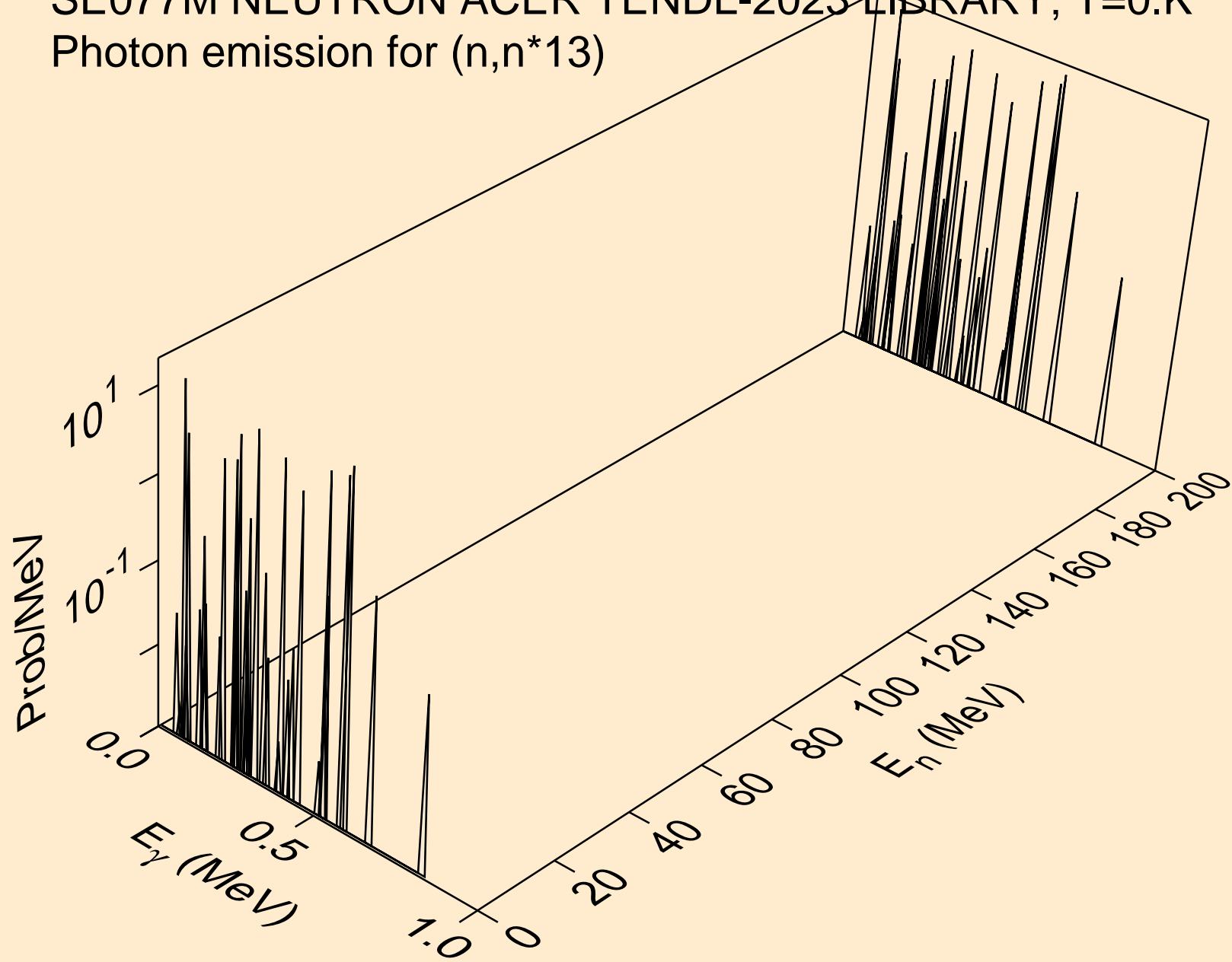
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Photon emission for (n,n\*11)



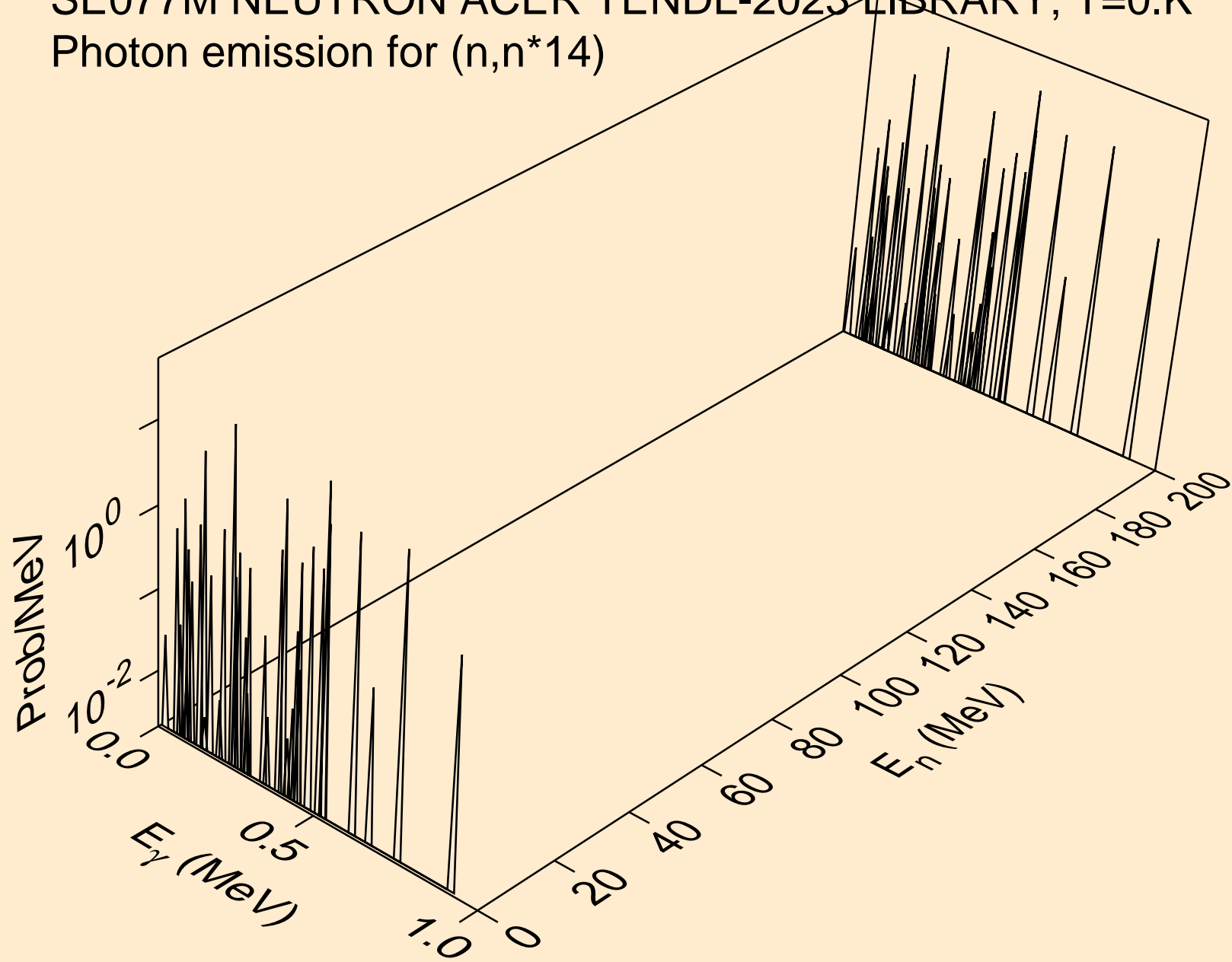
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Photon emission for (n,n\*12)



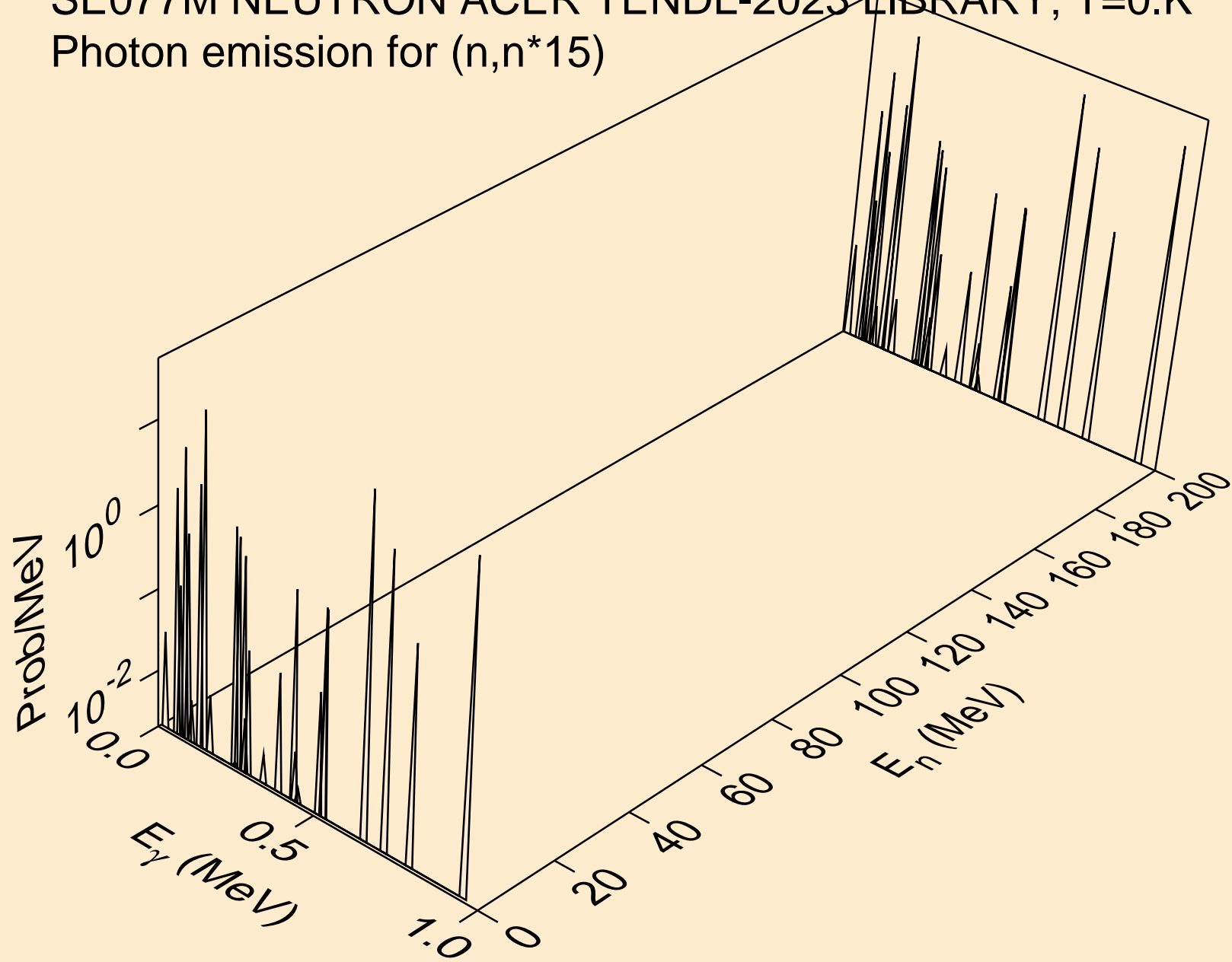
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Photon emission for (n,n\*13)



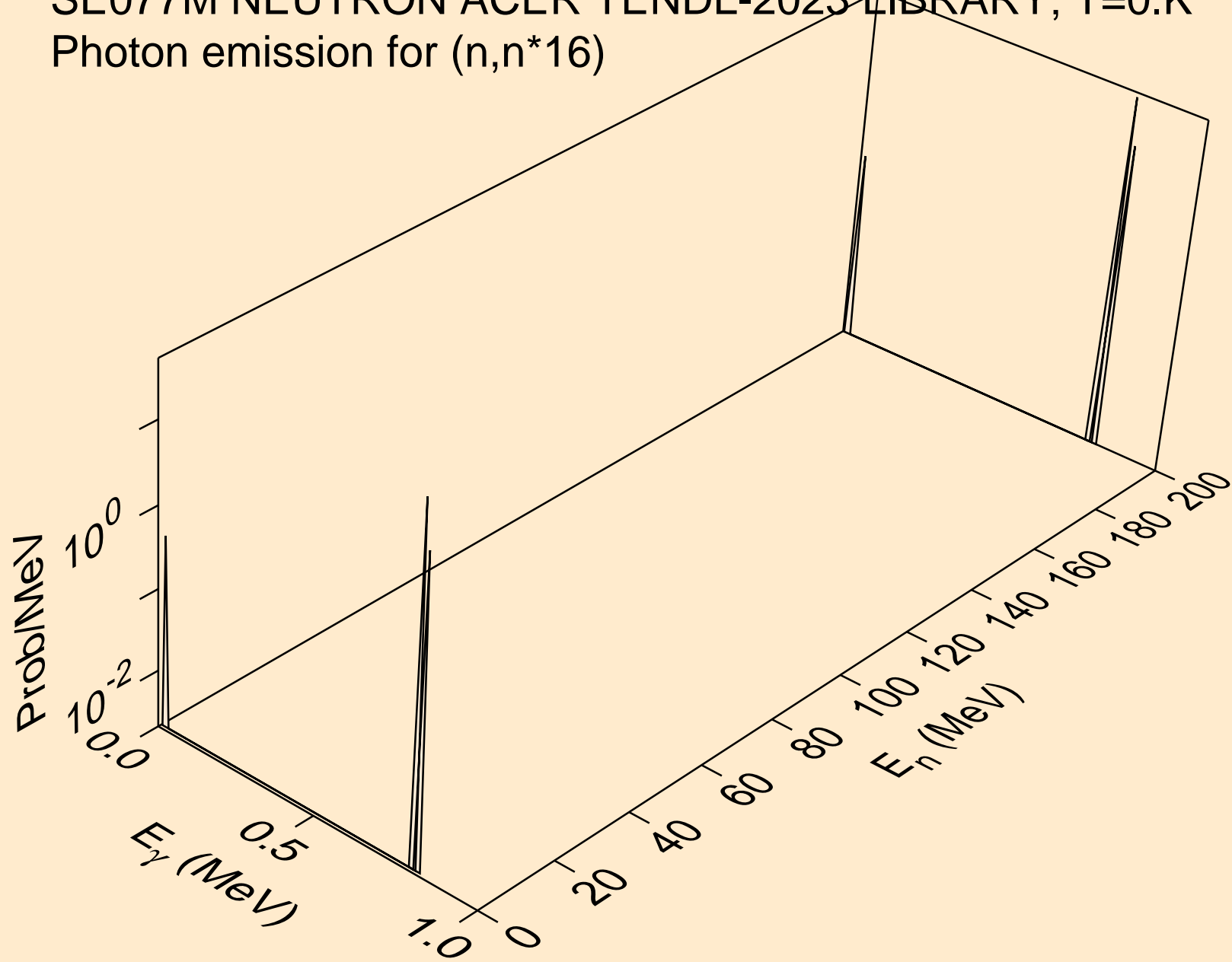
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Photon emission for (n,n\*14)



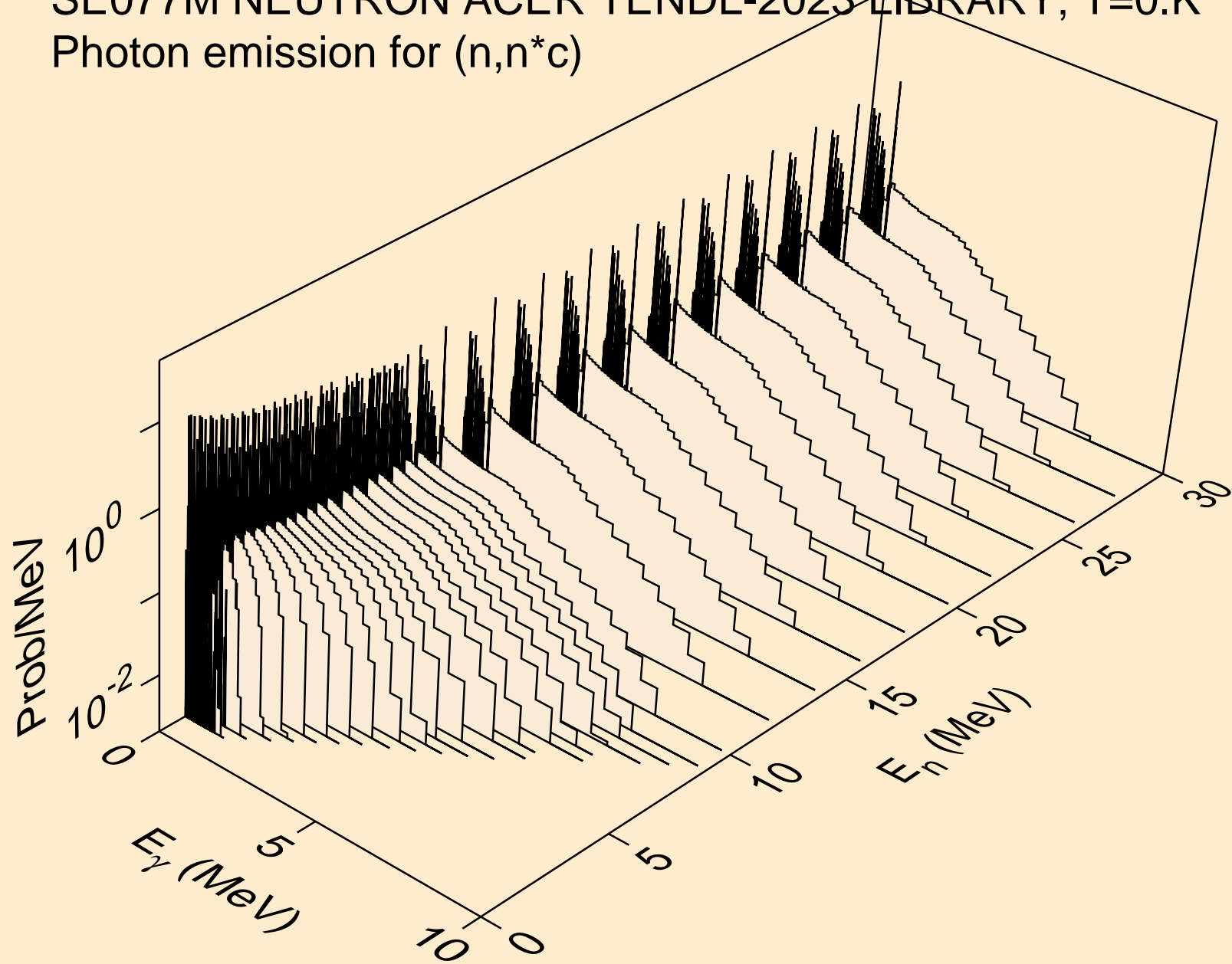
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Photon emission for (n,n\*15)



SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*16)

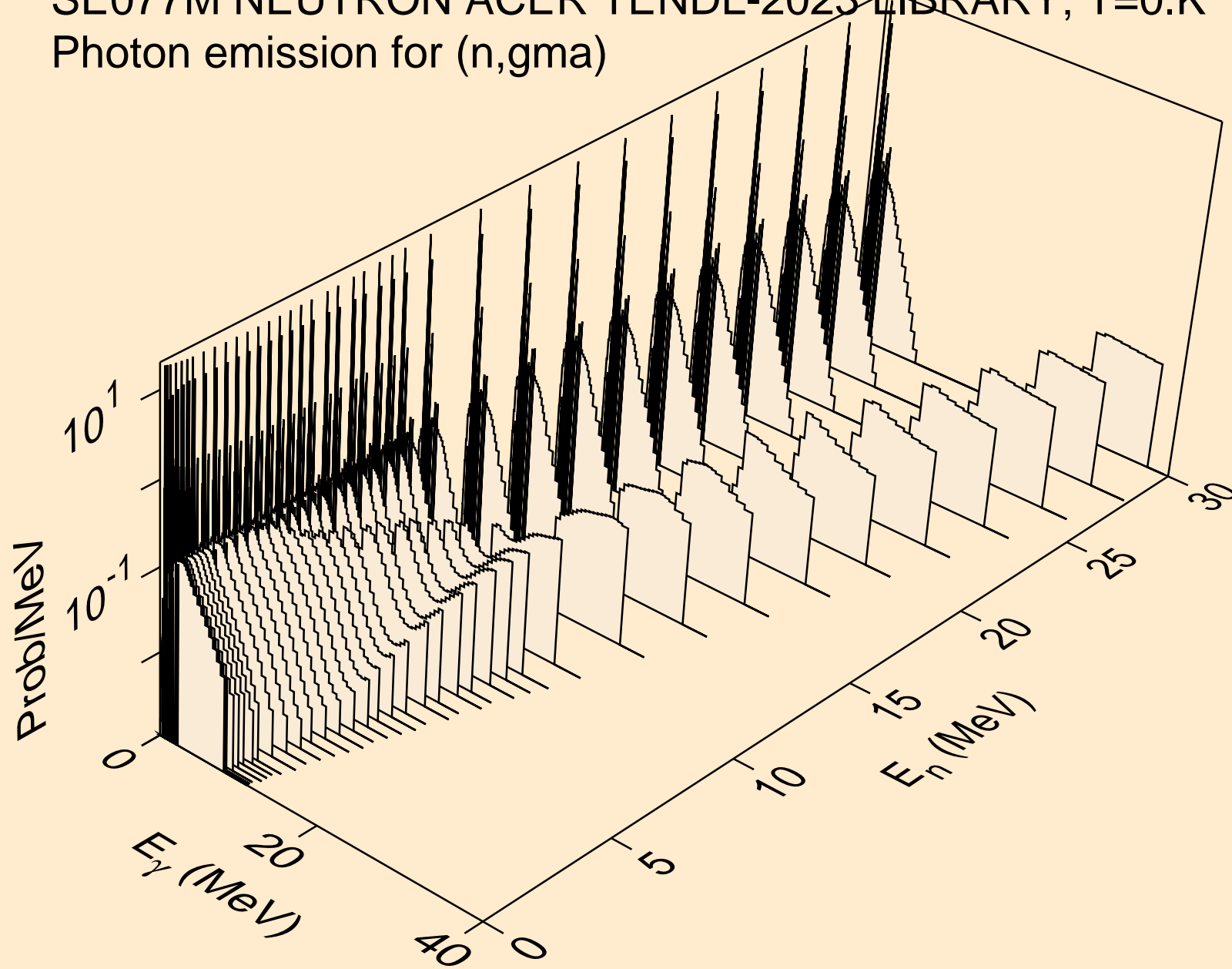


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Photon emission for (n,n\*c)

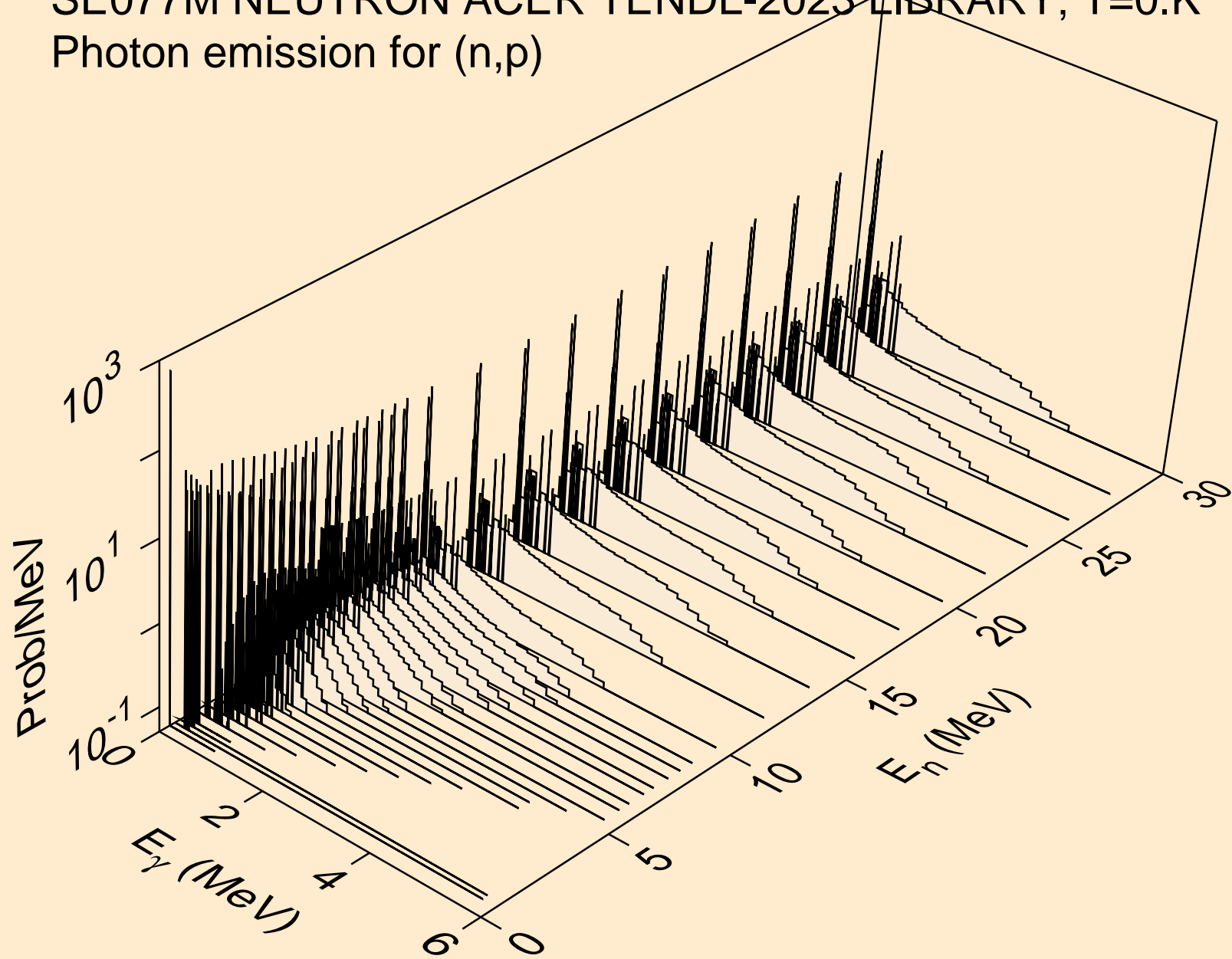




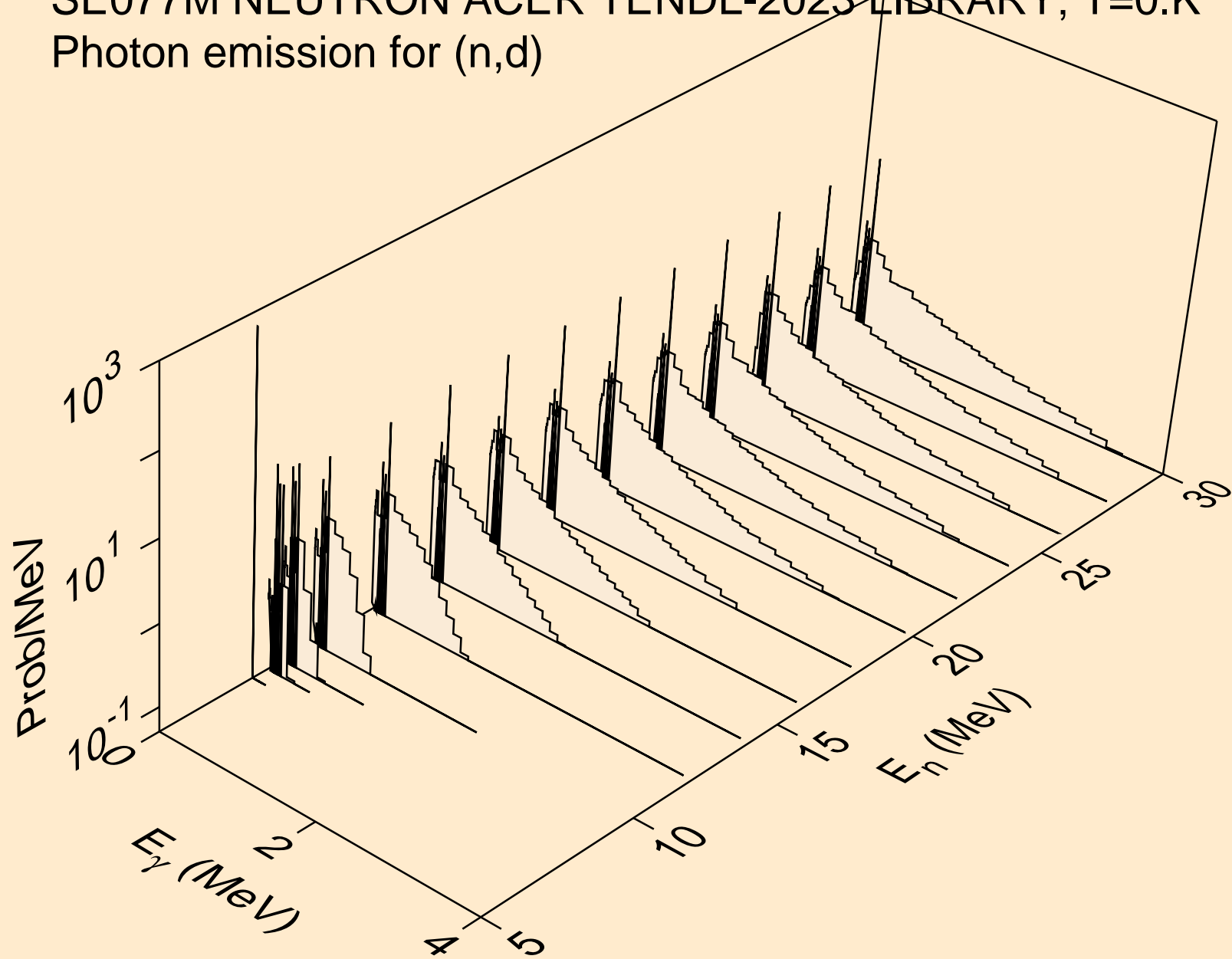
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Photon emission for (n,gma)



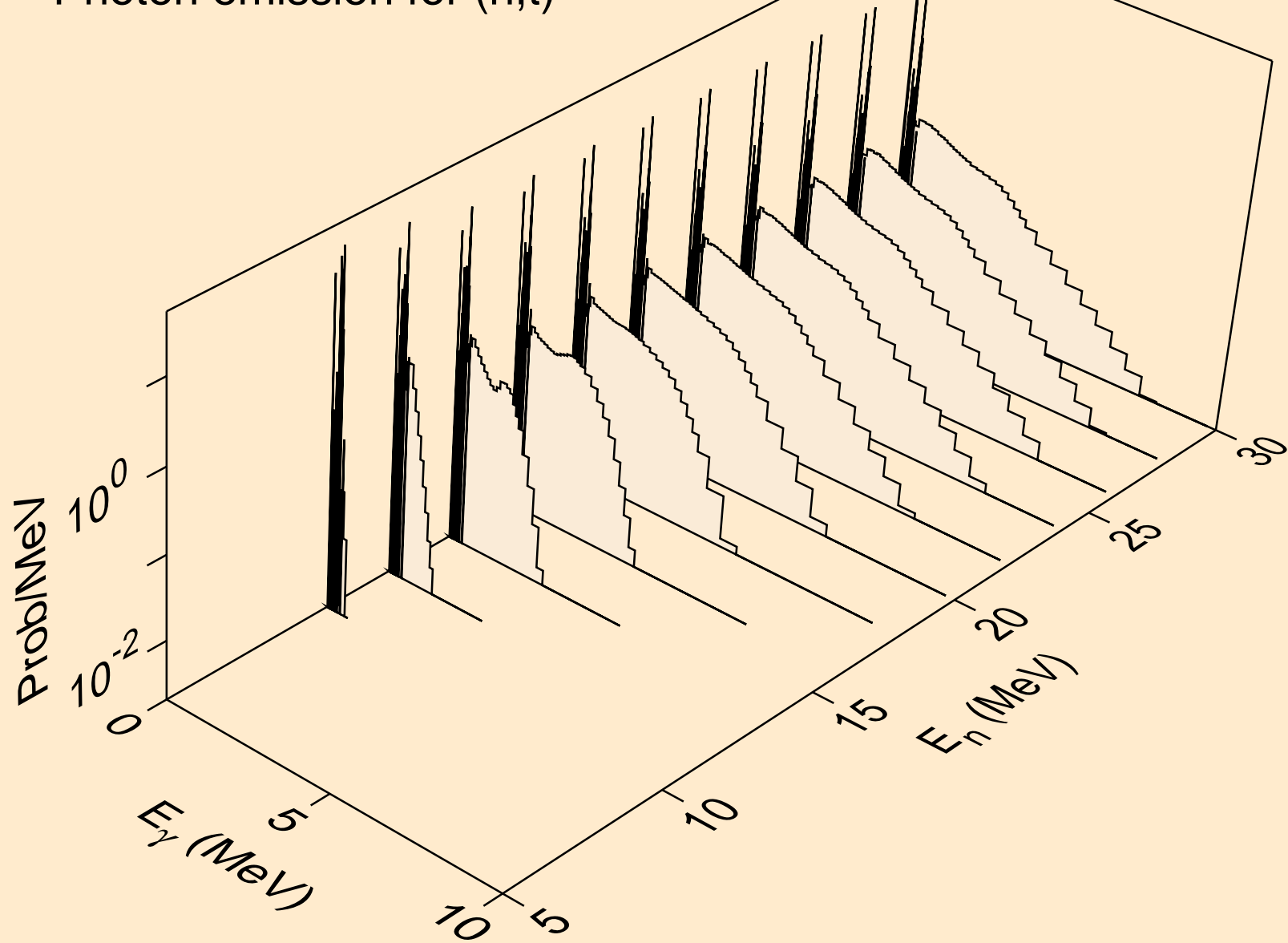
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Photon emission for (n,p)



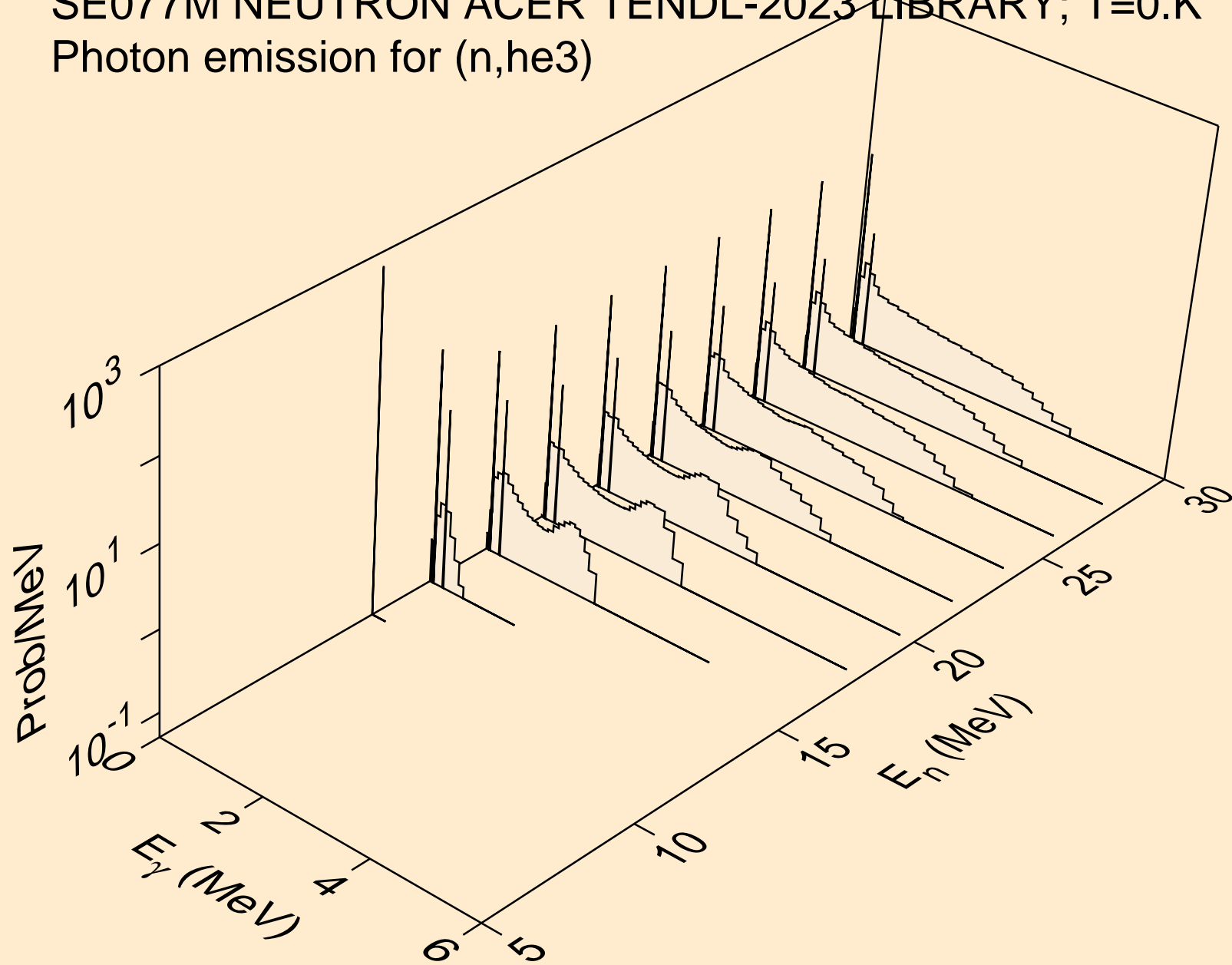
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Photon emission for (n,d)



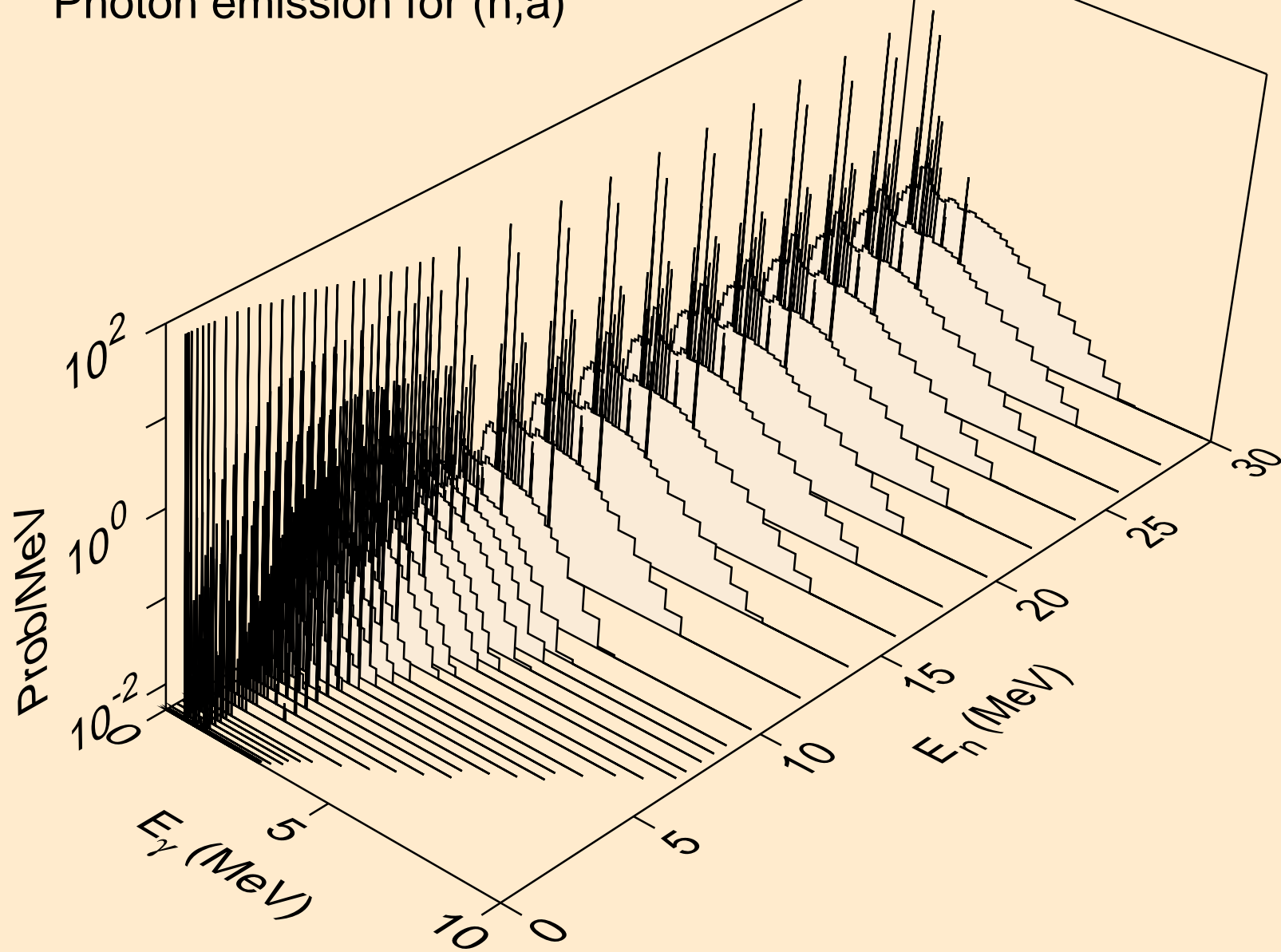
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Photon emission for (n,t)



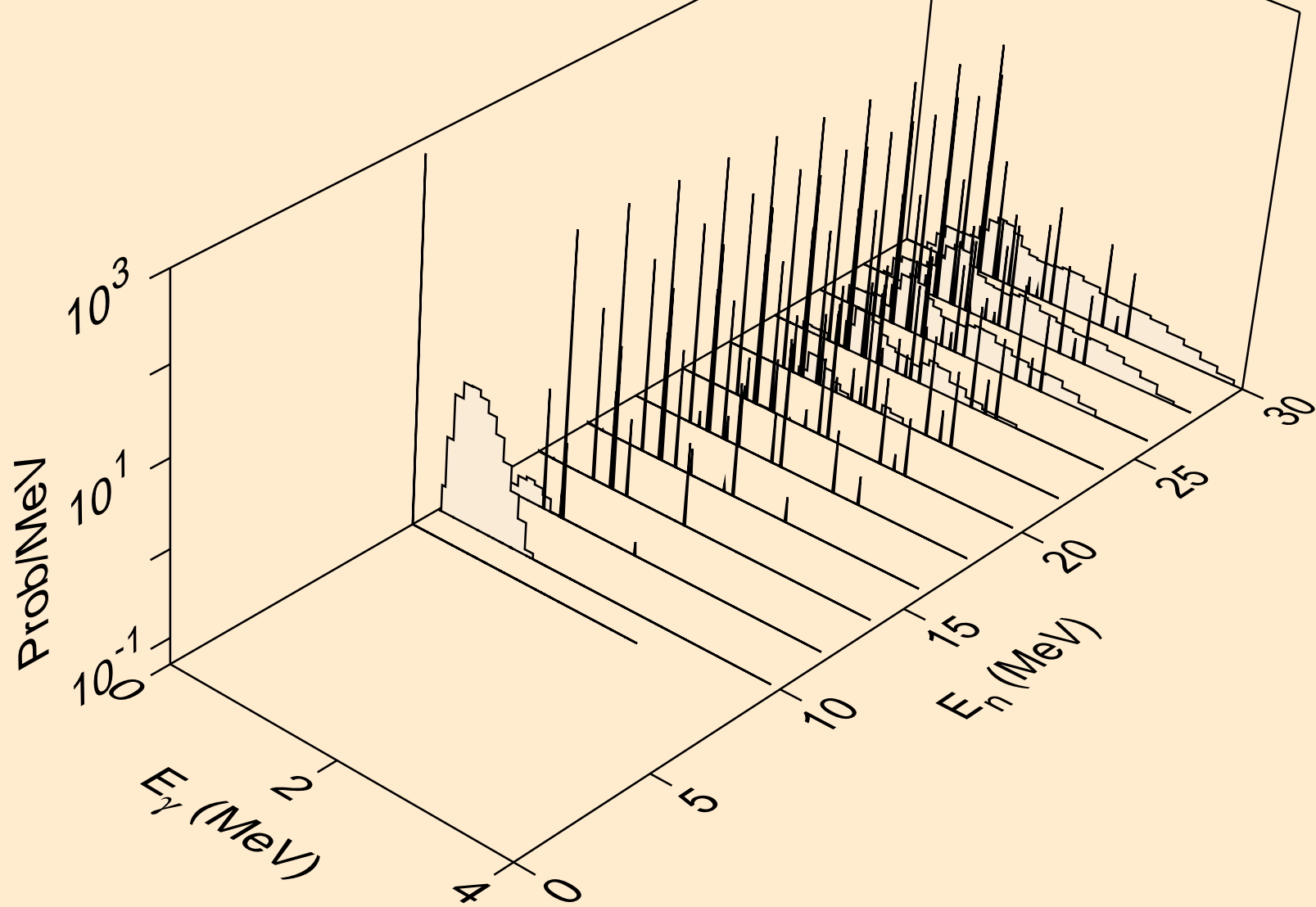
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Photon emission for (n,he3)



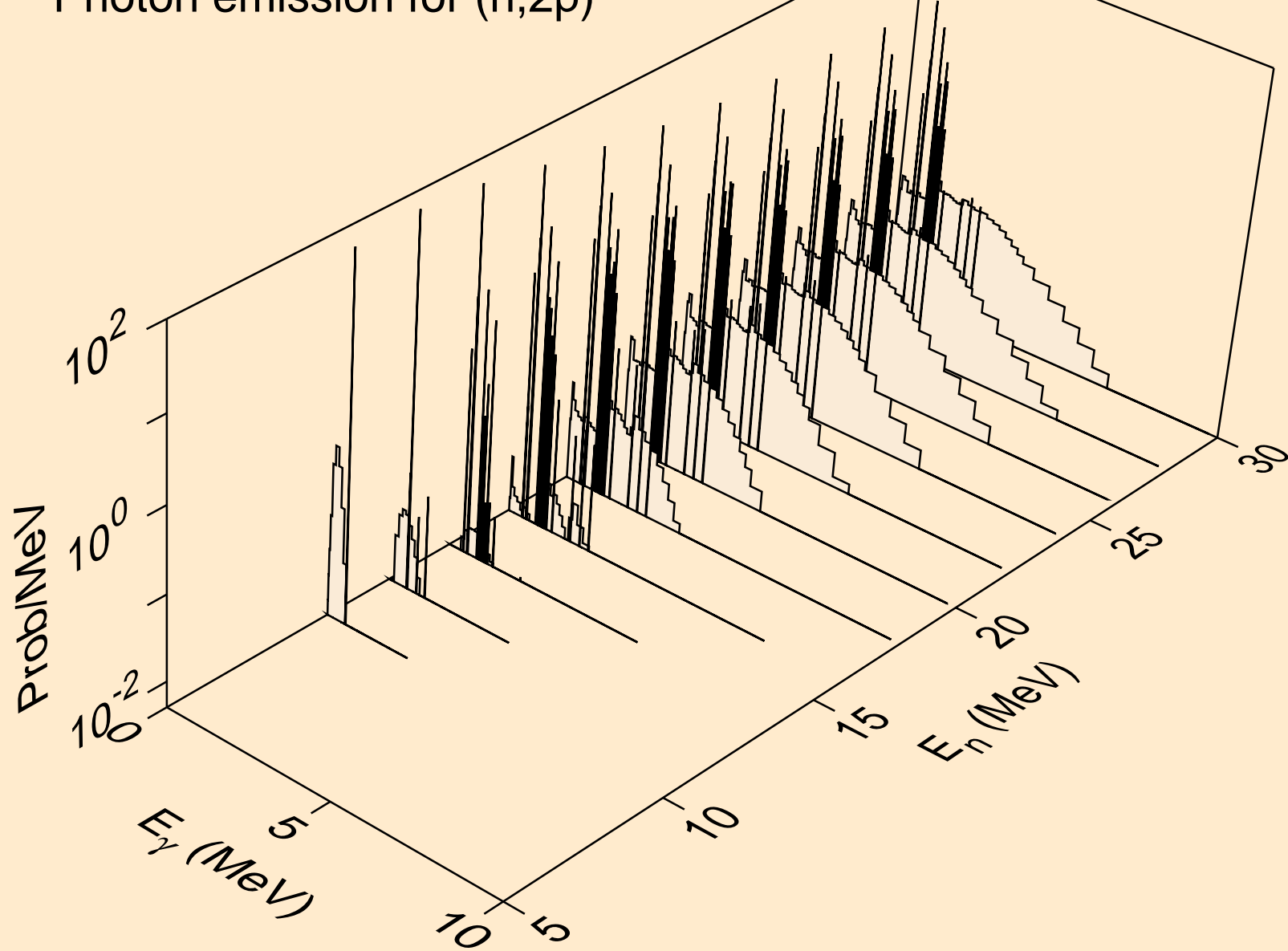
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Photon emission for (n,a)



SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)

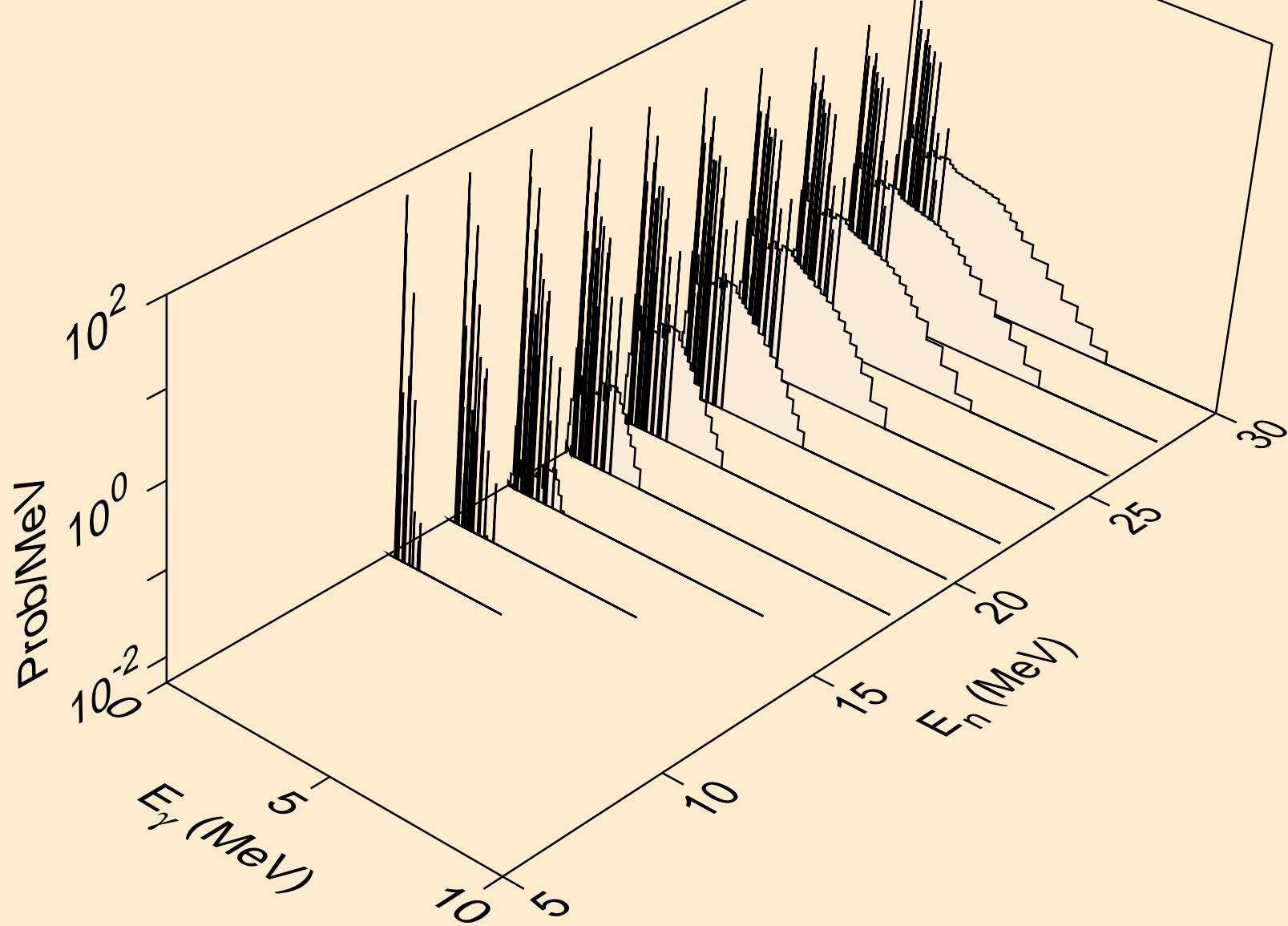


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Photon emission for (n,2p)

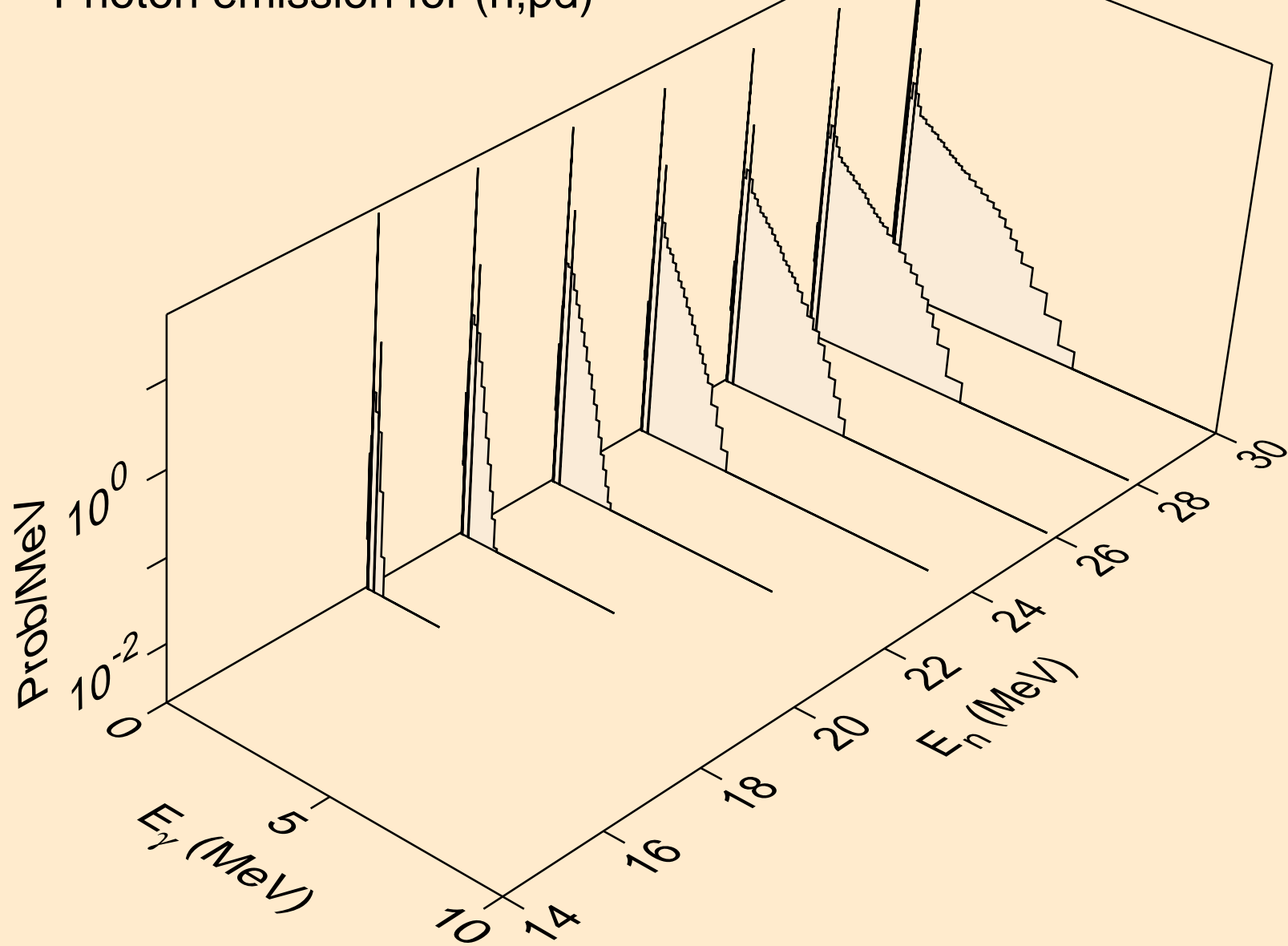




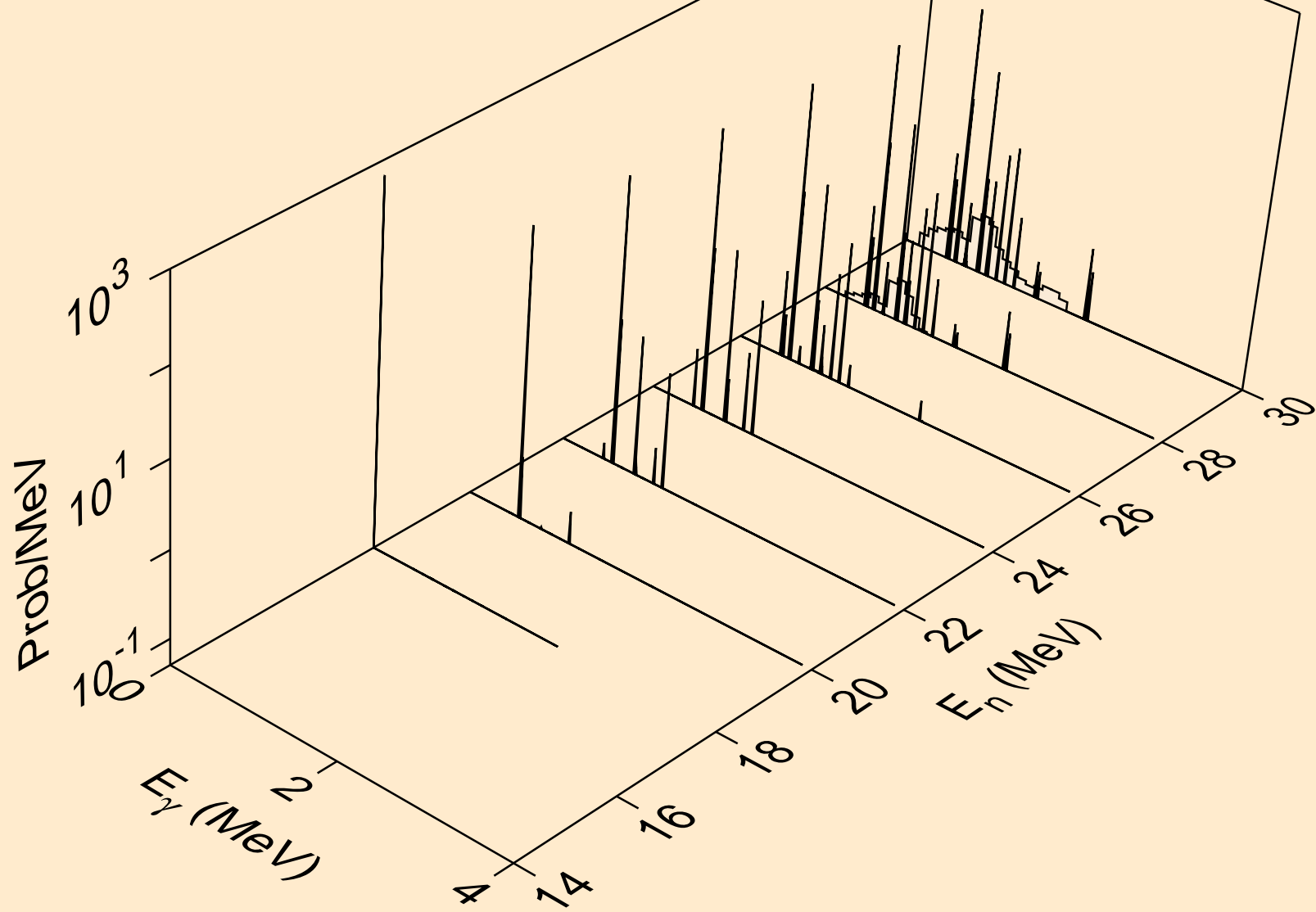
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Photon emission for (n,p $\alpha$ )



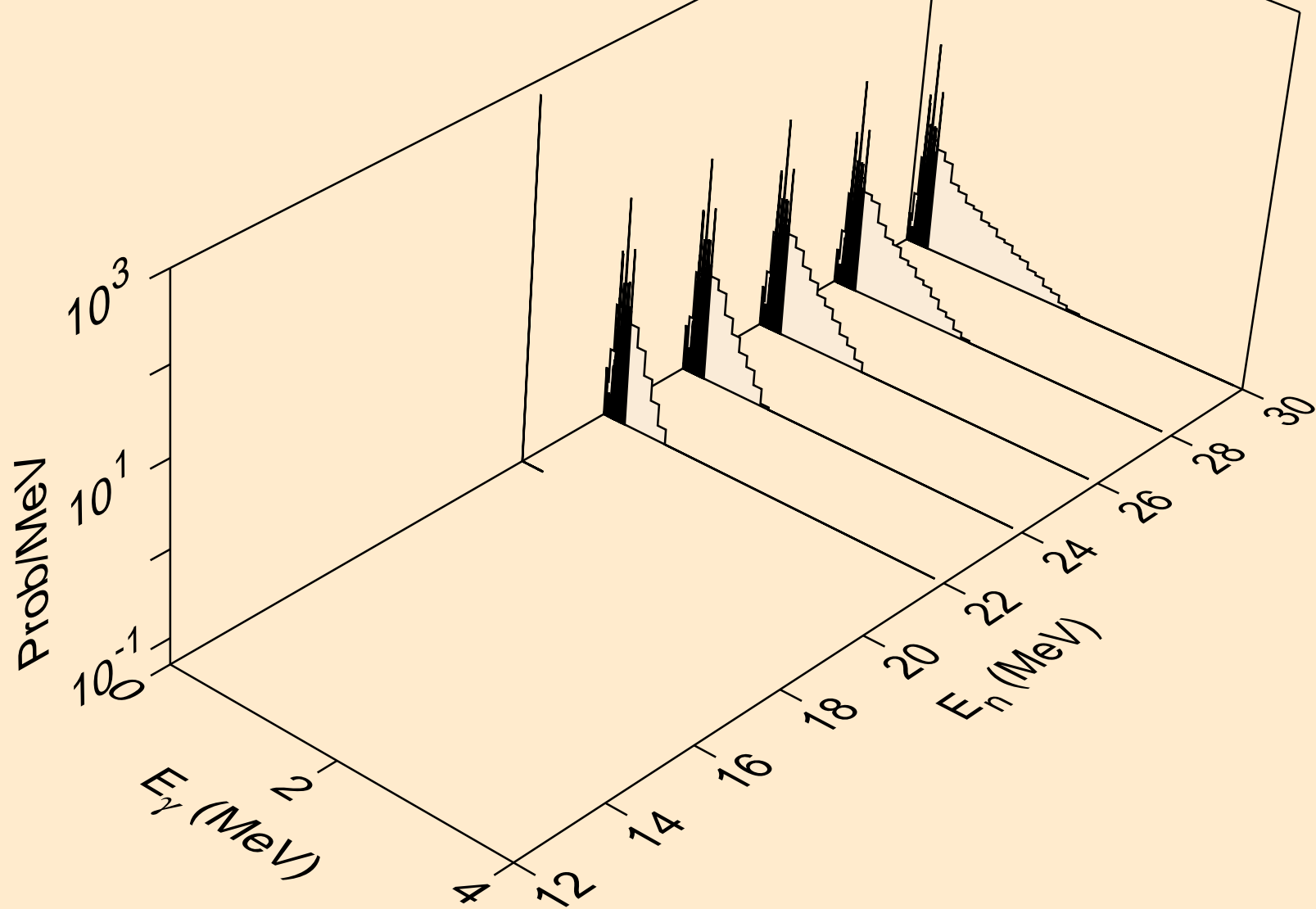
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Photon emission for (n,pd)



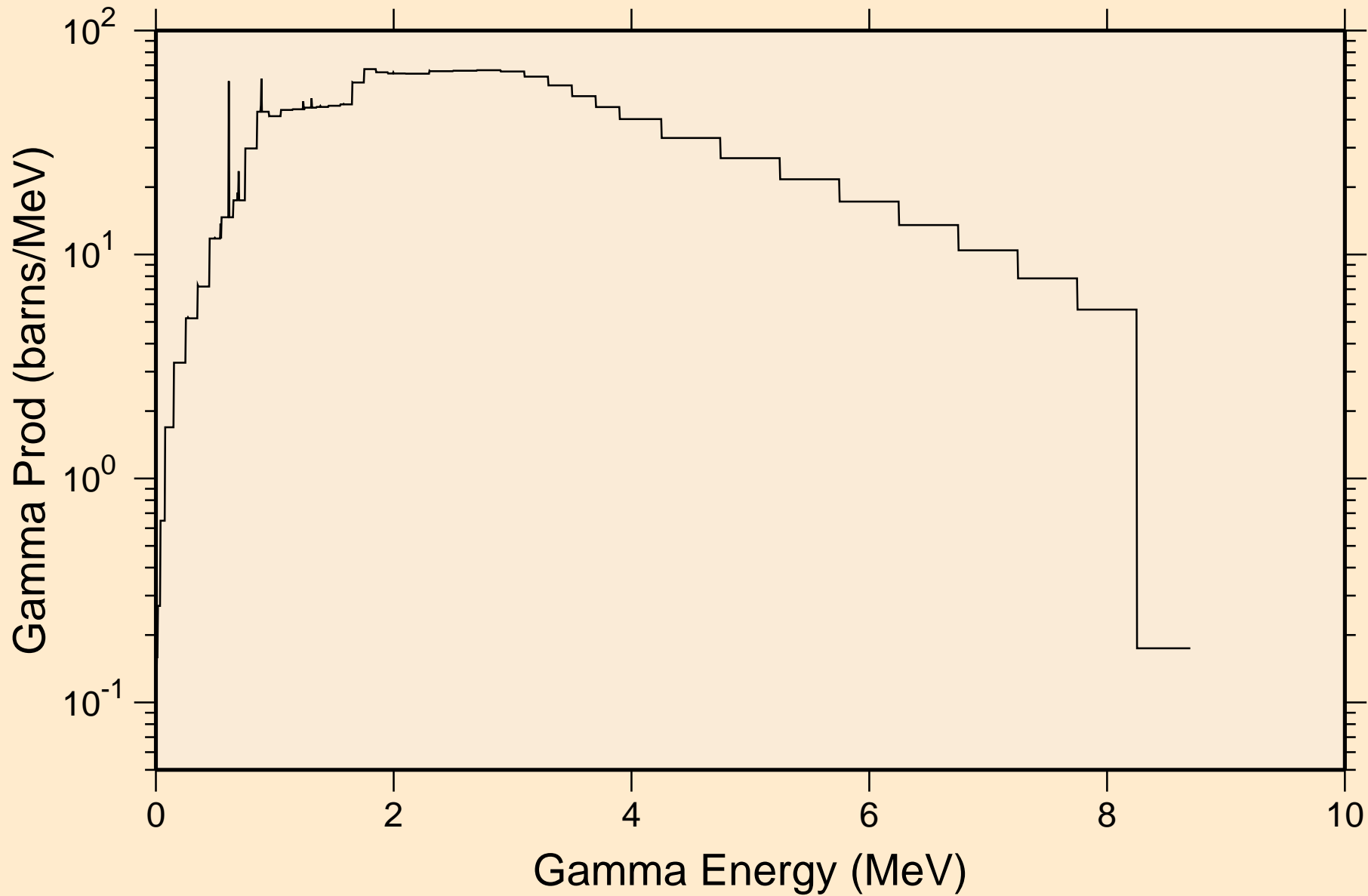
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Photon emission for (n,pt)



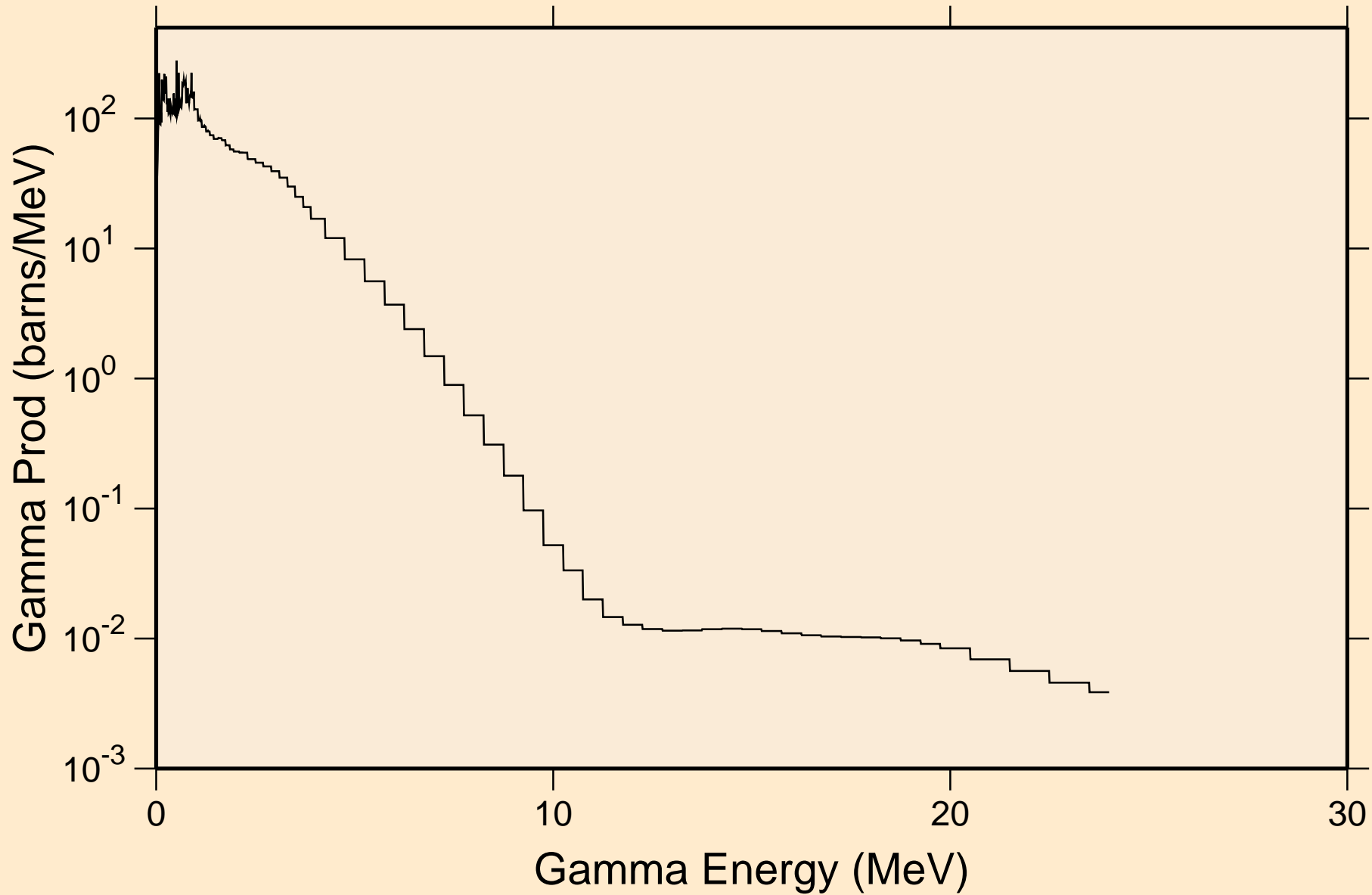
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Photon emission for (n,da)



SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

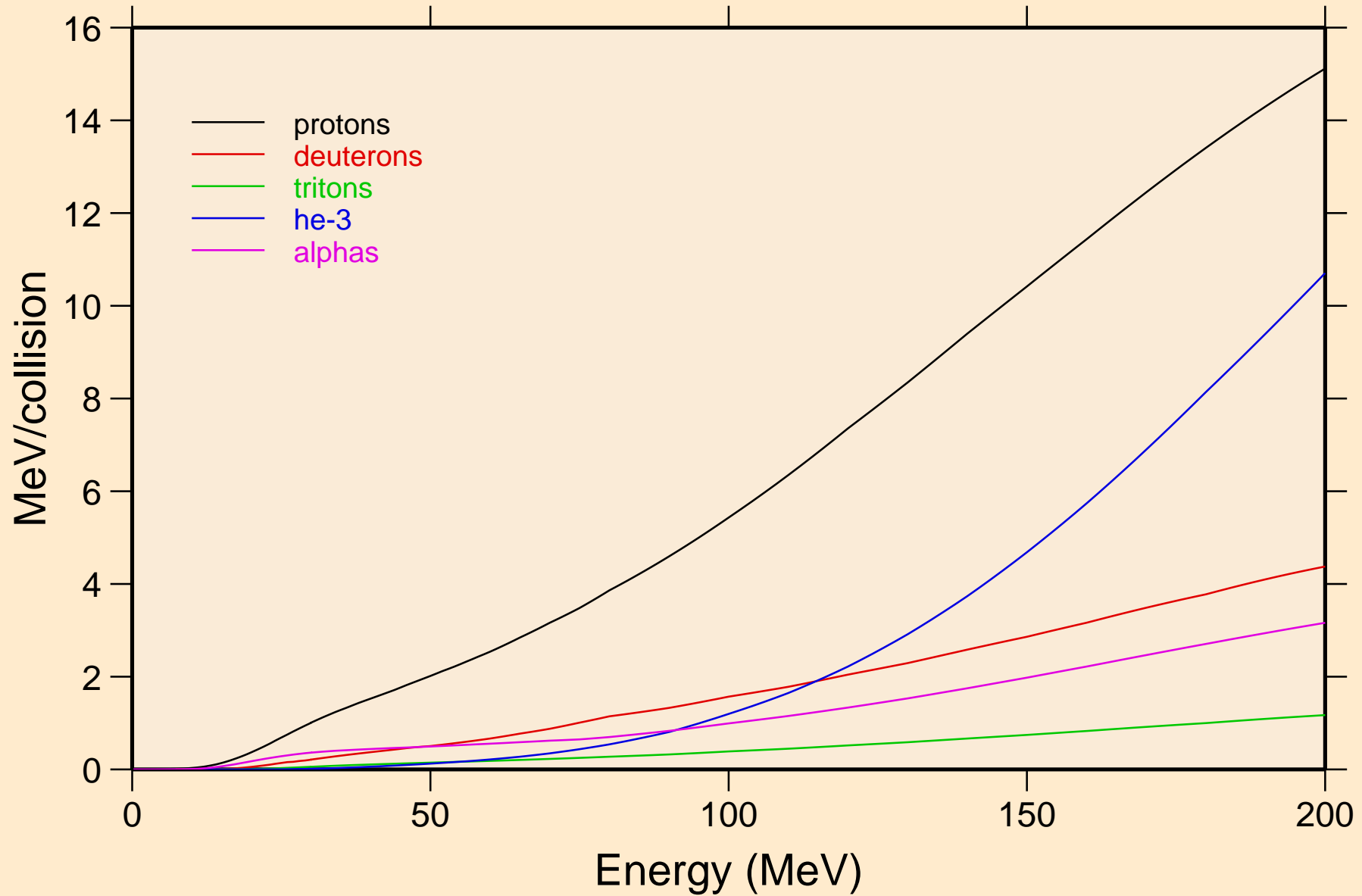


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14 MeV photon spectrum

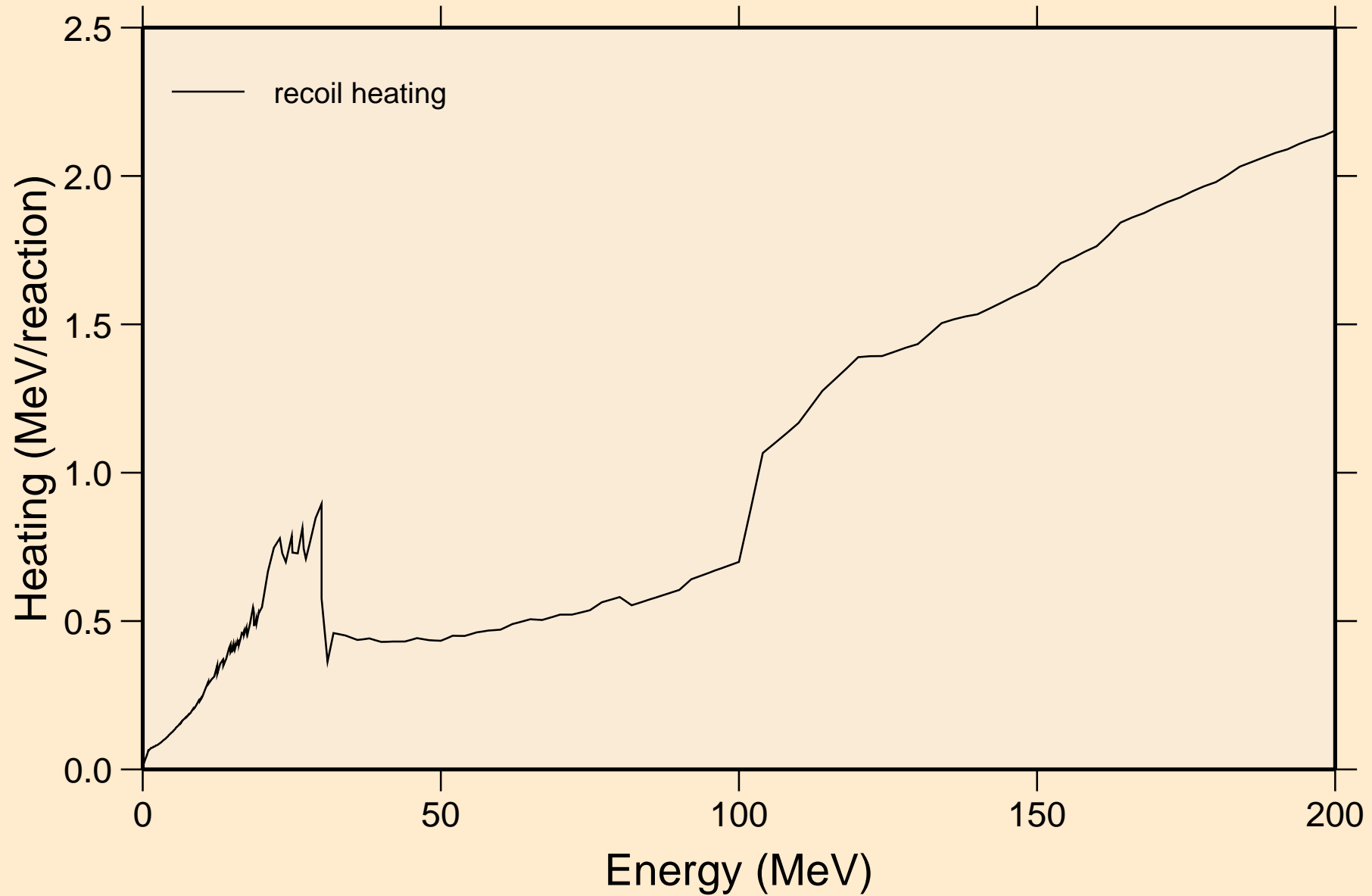


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## Particle heating contributions

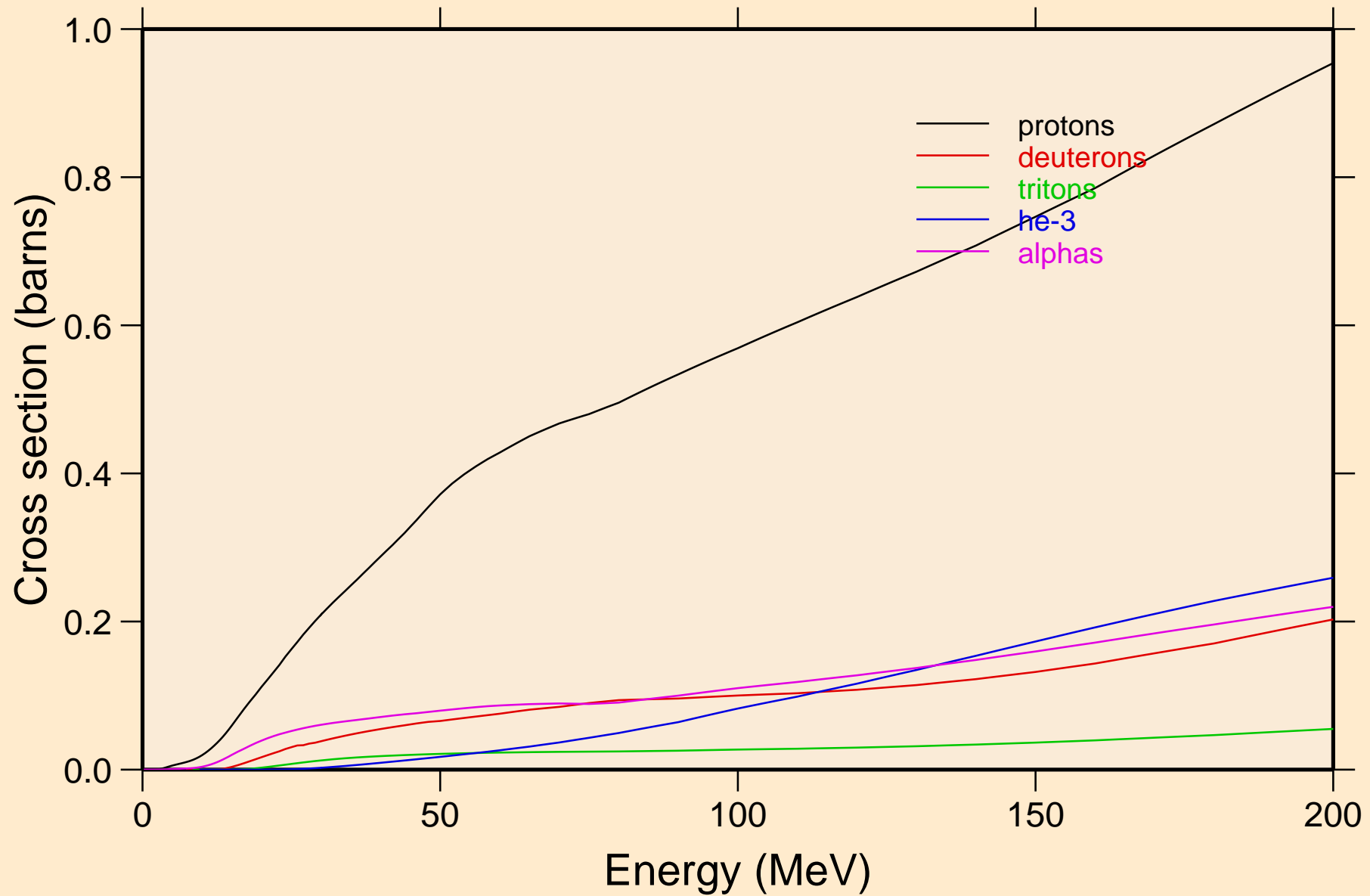


SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

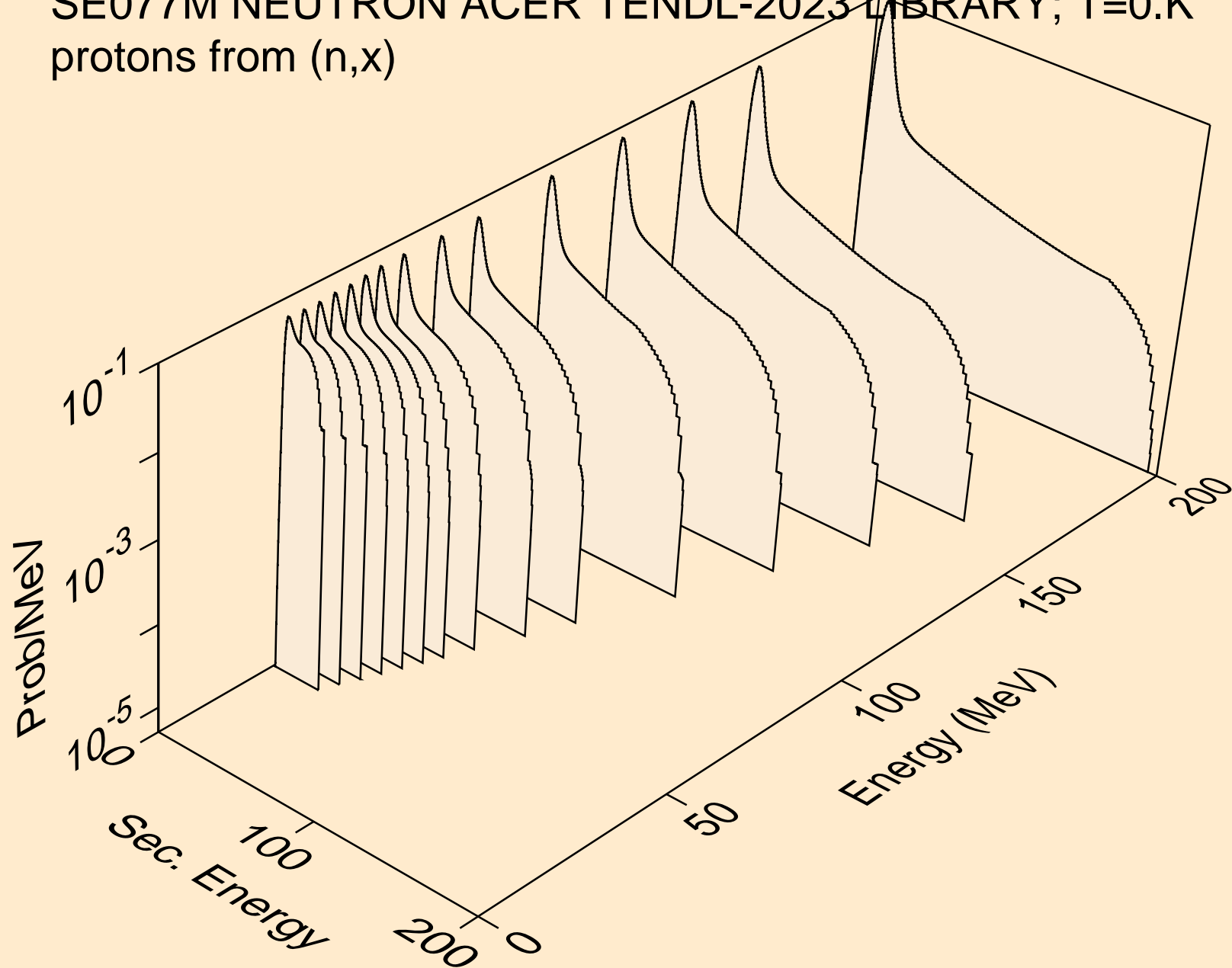




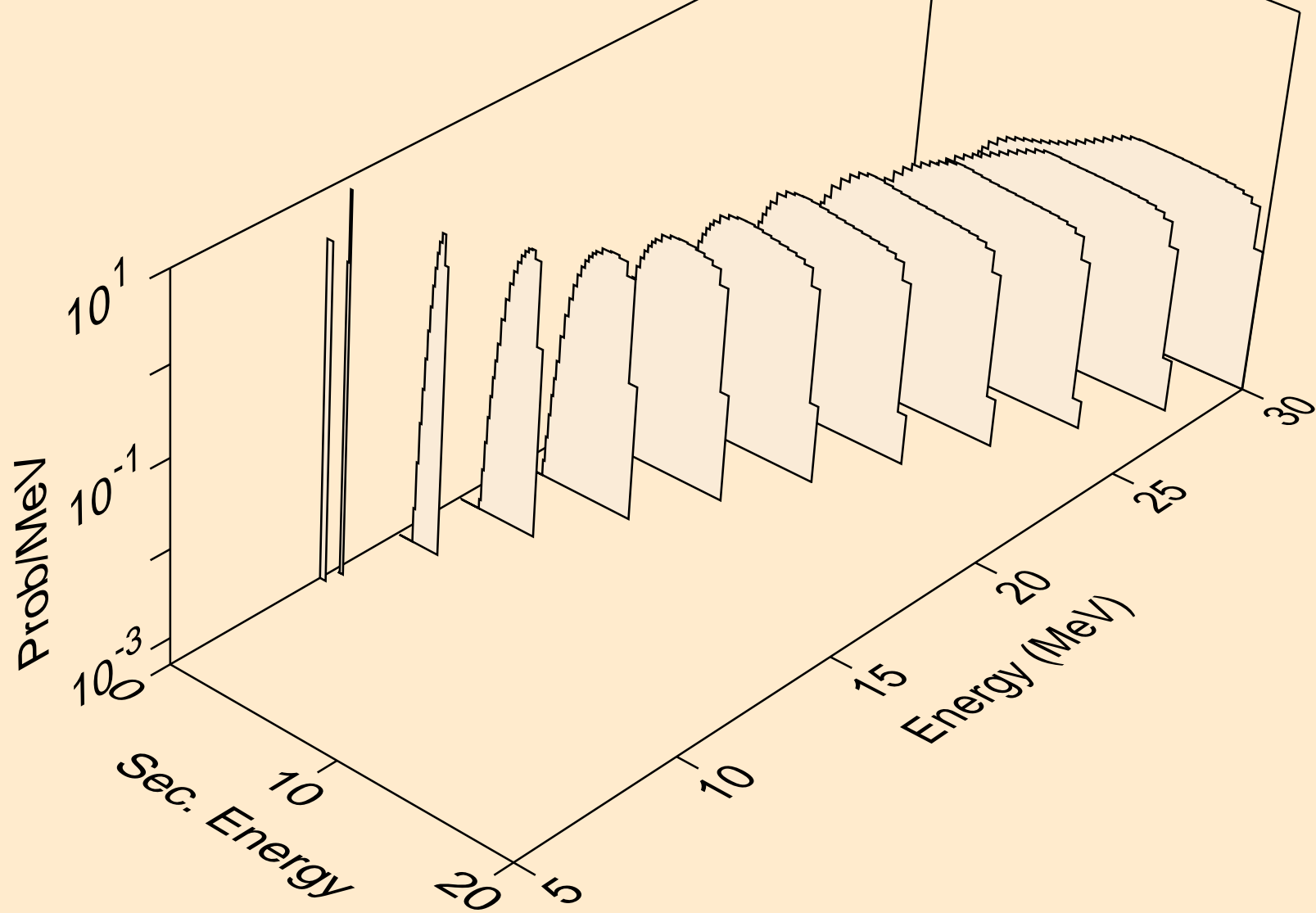
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Particle production cross sections



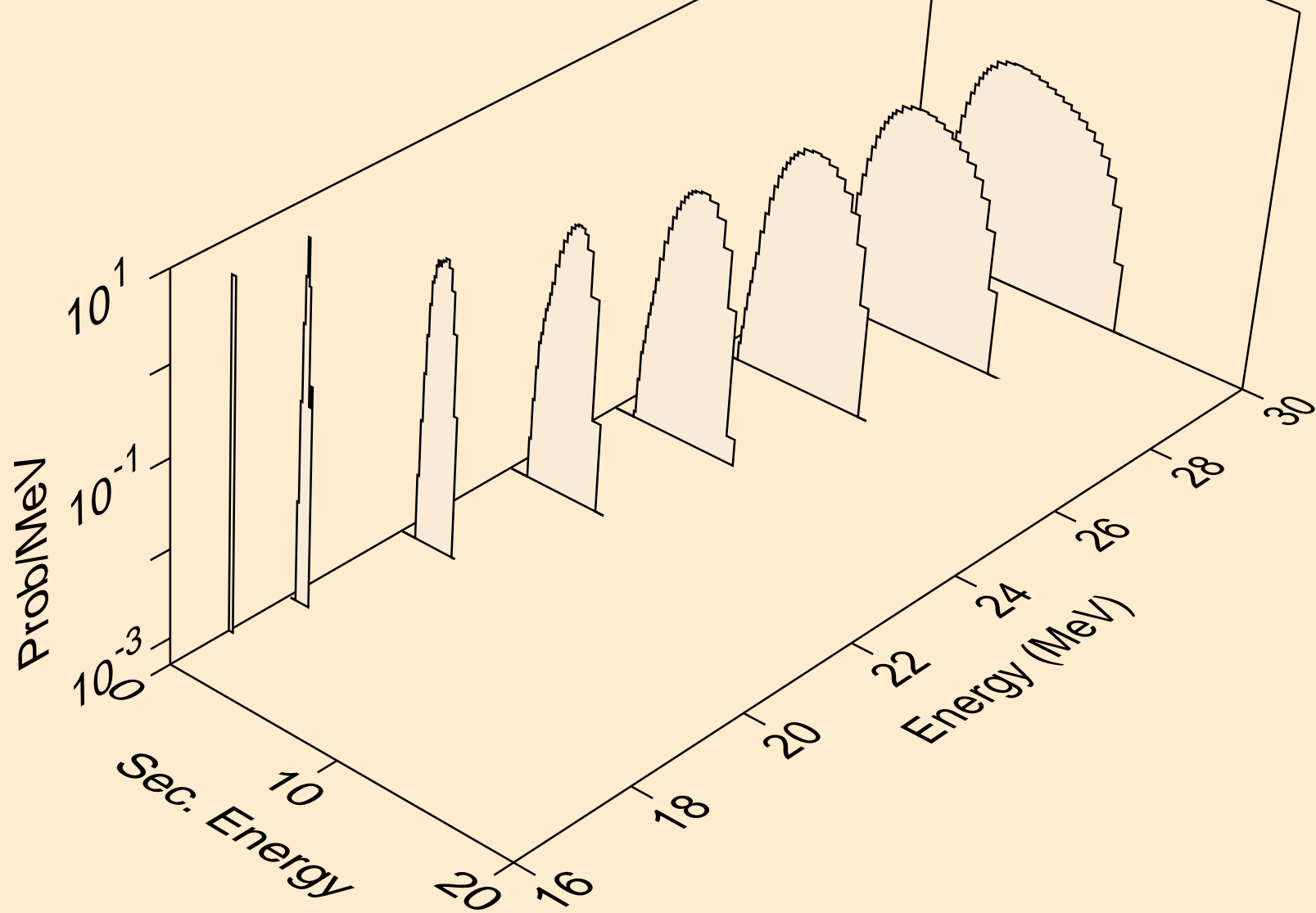
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protons from (n,x)



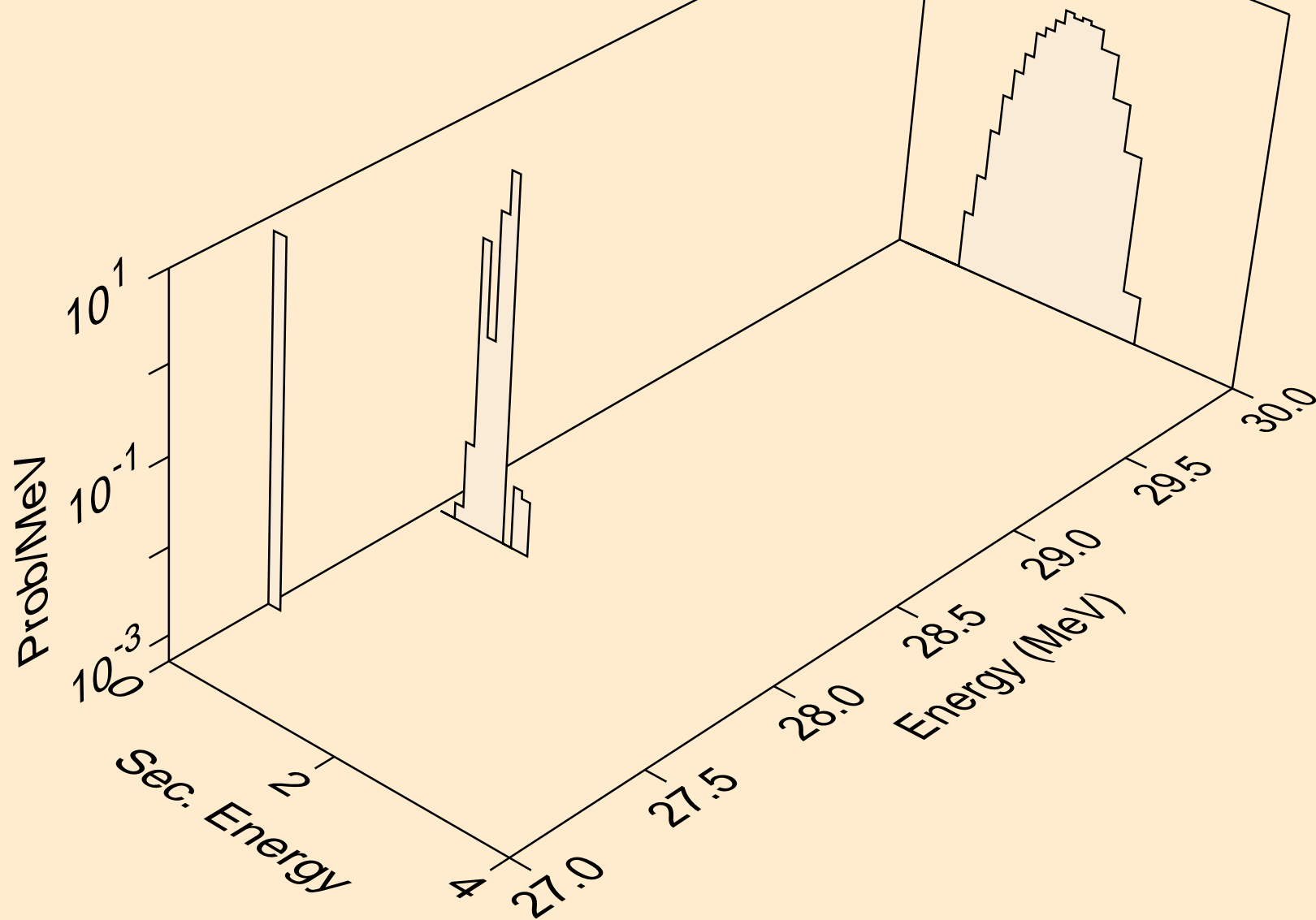
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protons from (n,n\*)p



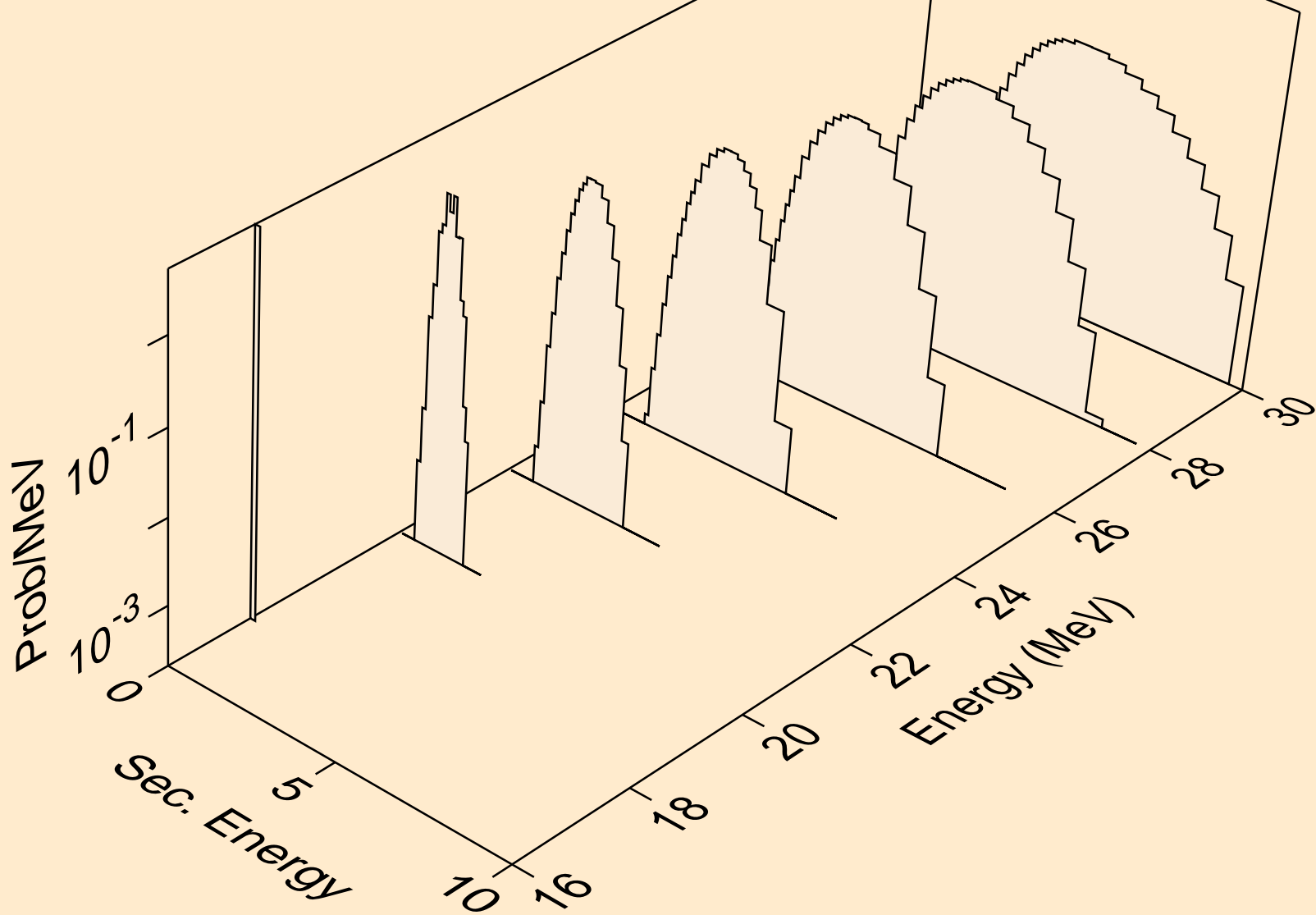
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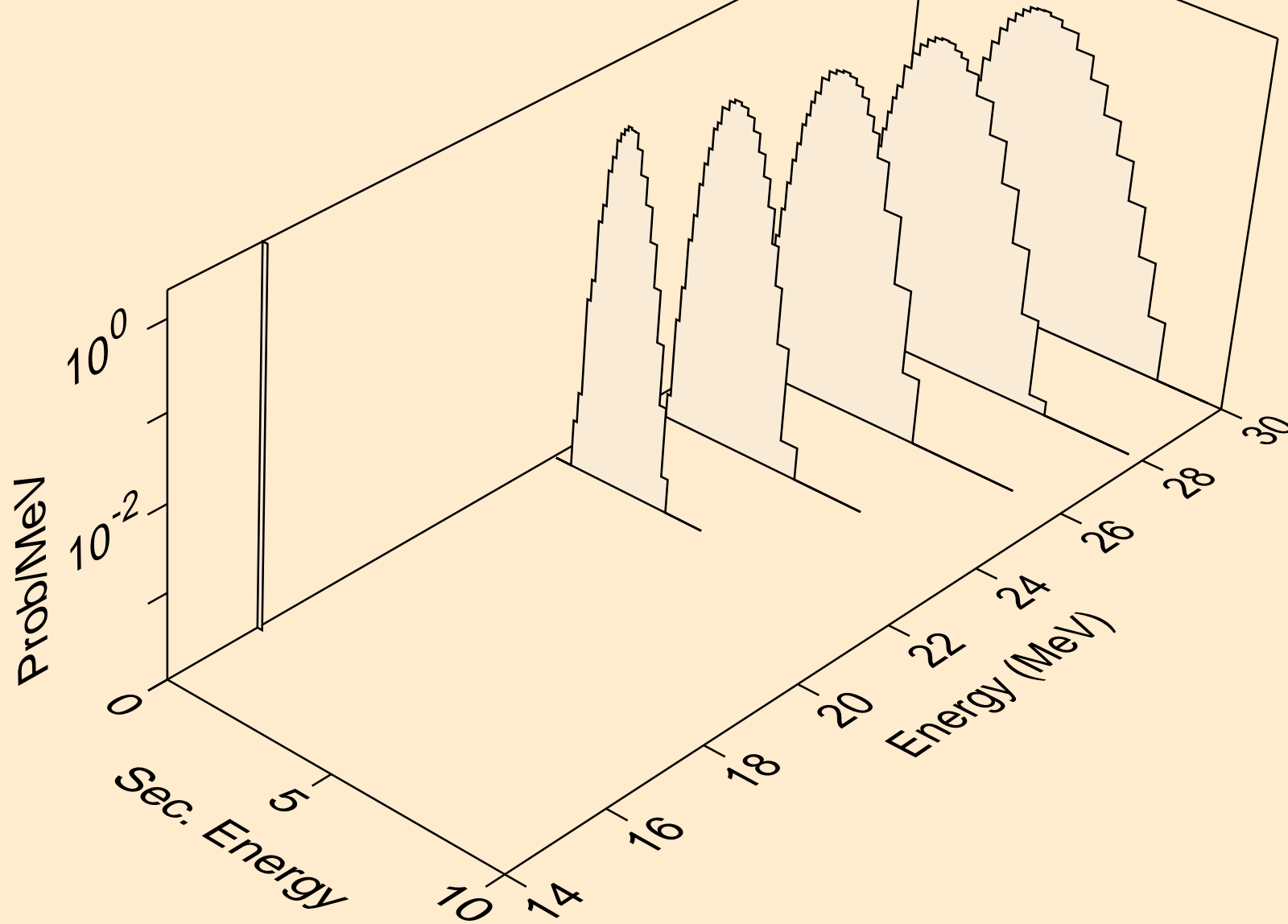
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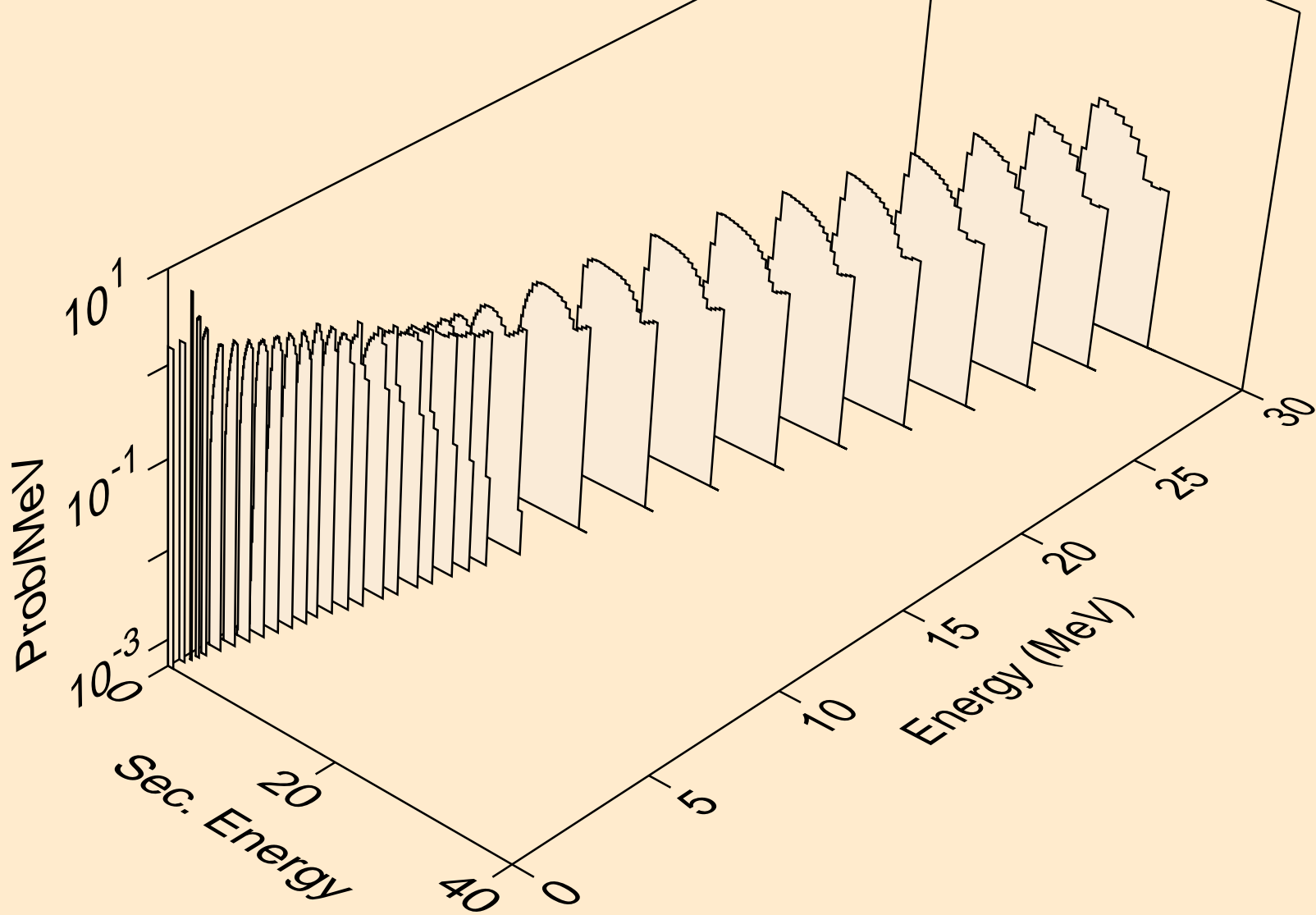
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protons from (n,npa)

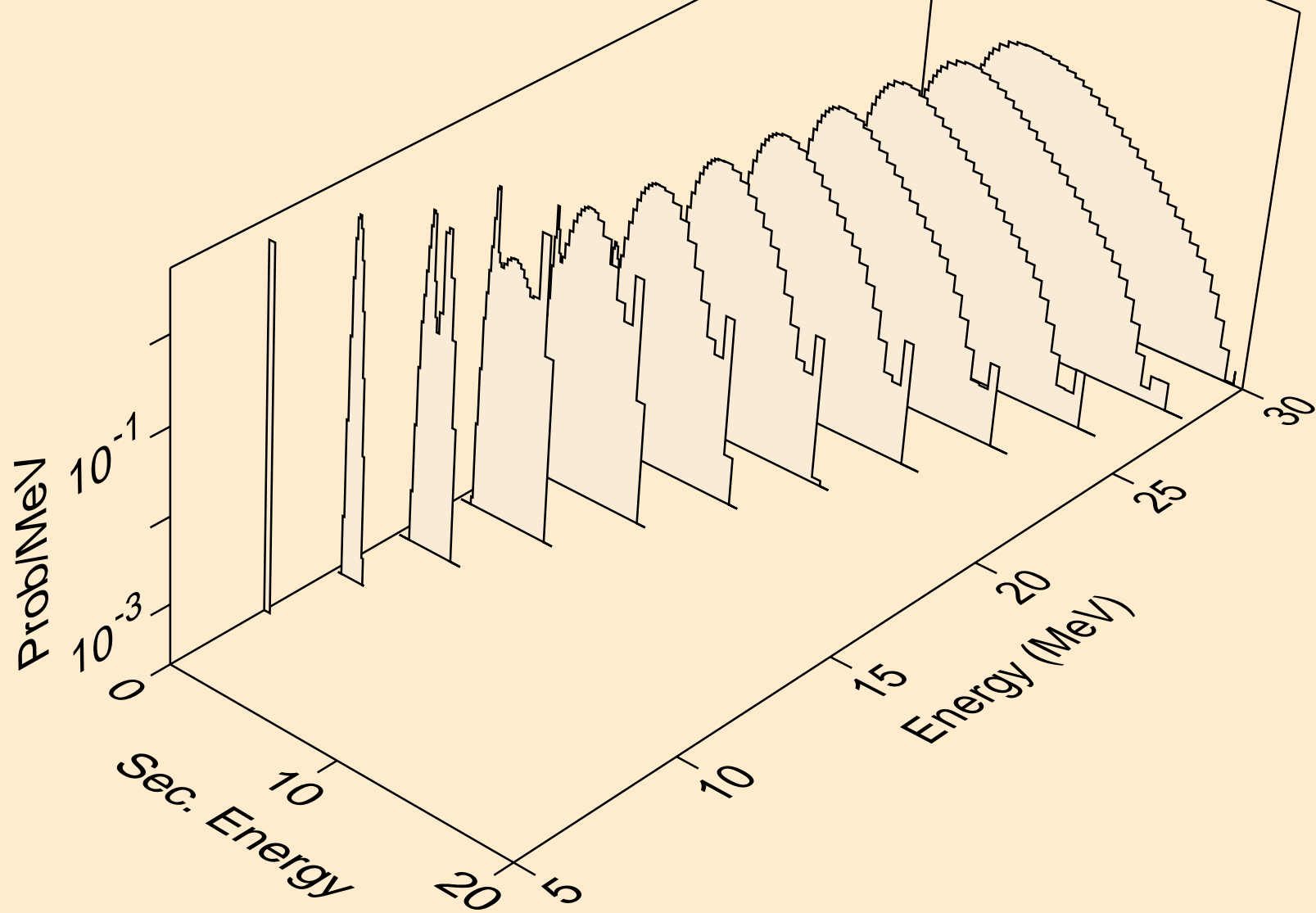


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protons from (n,p)

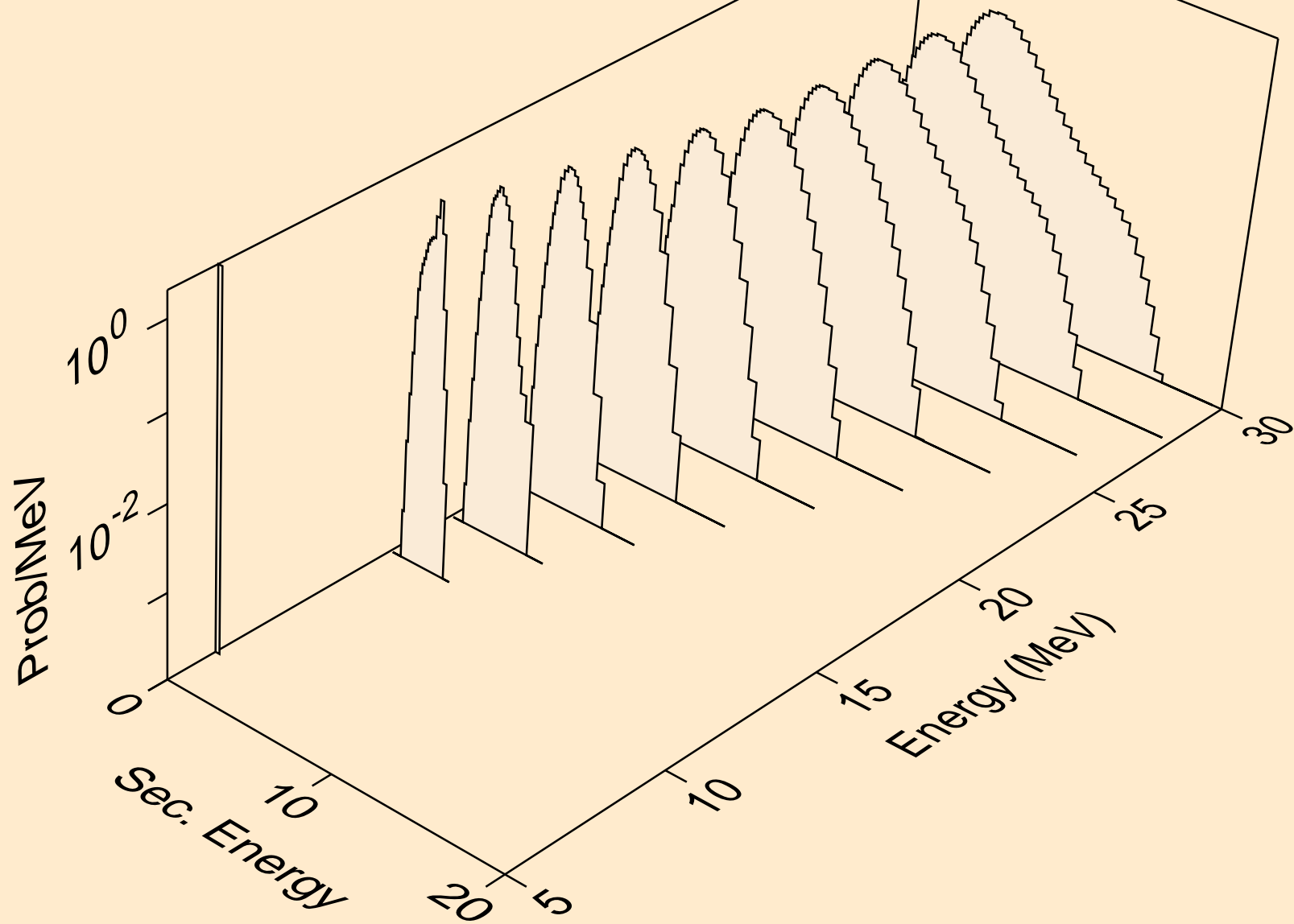




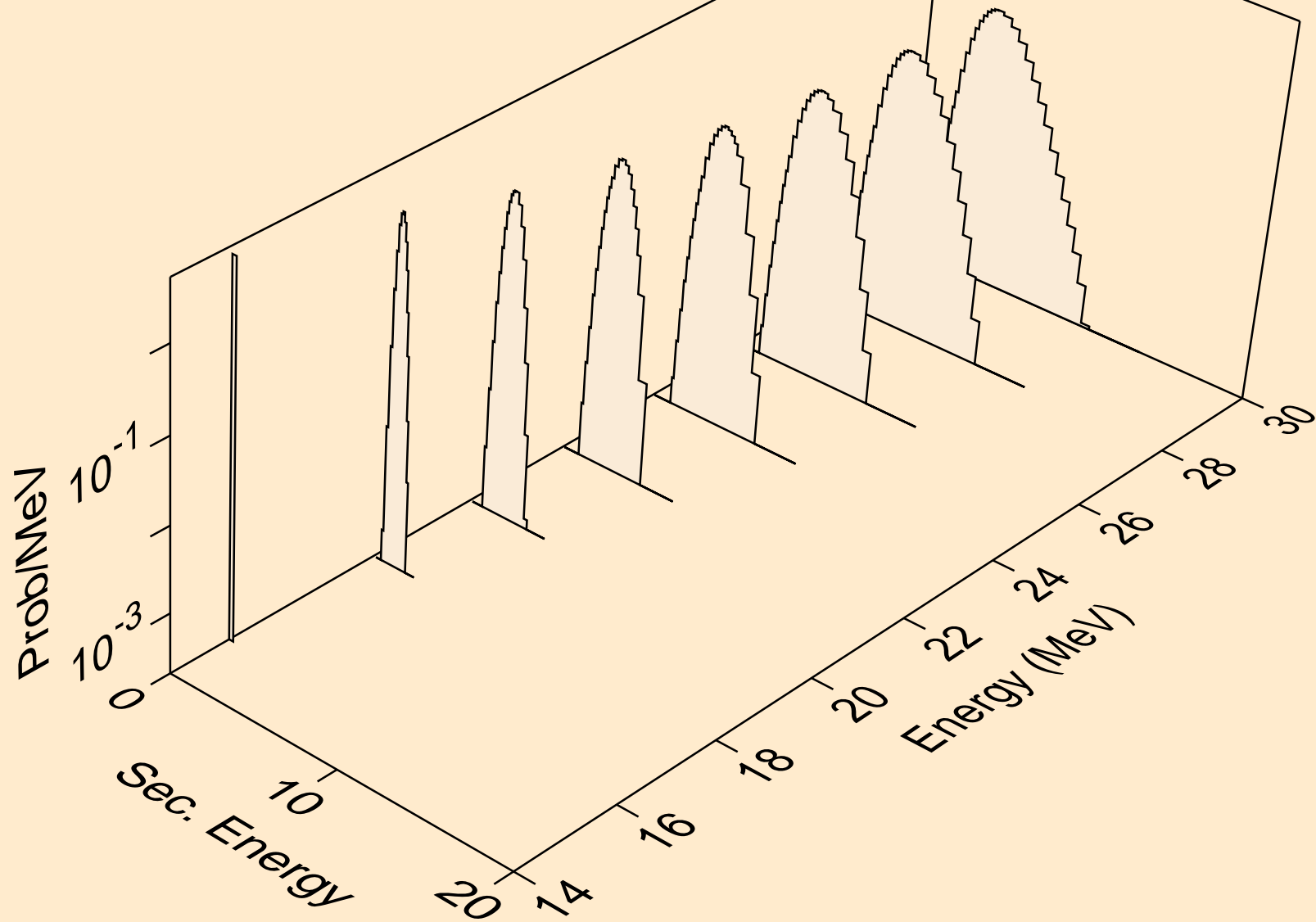
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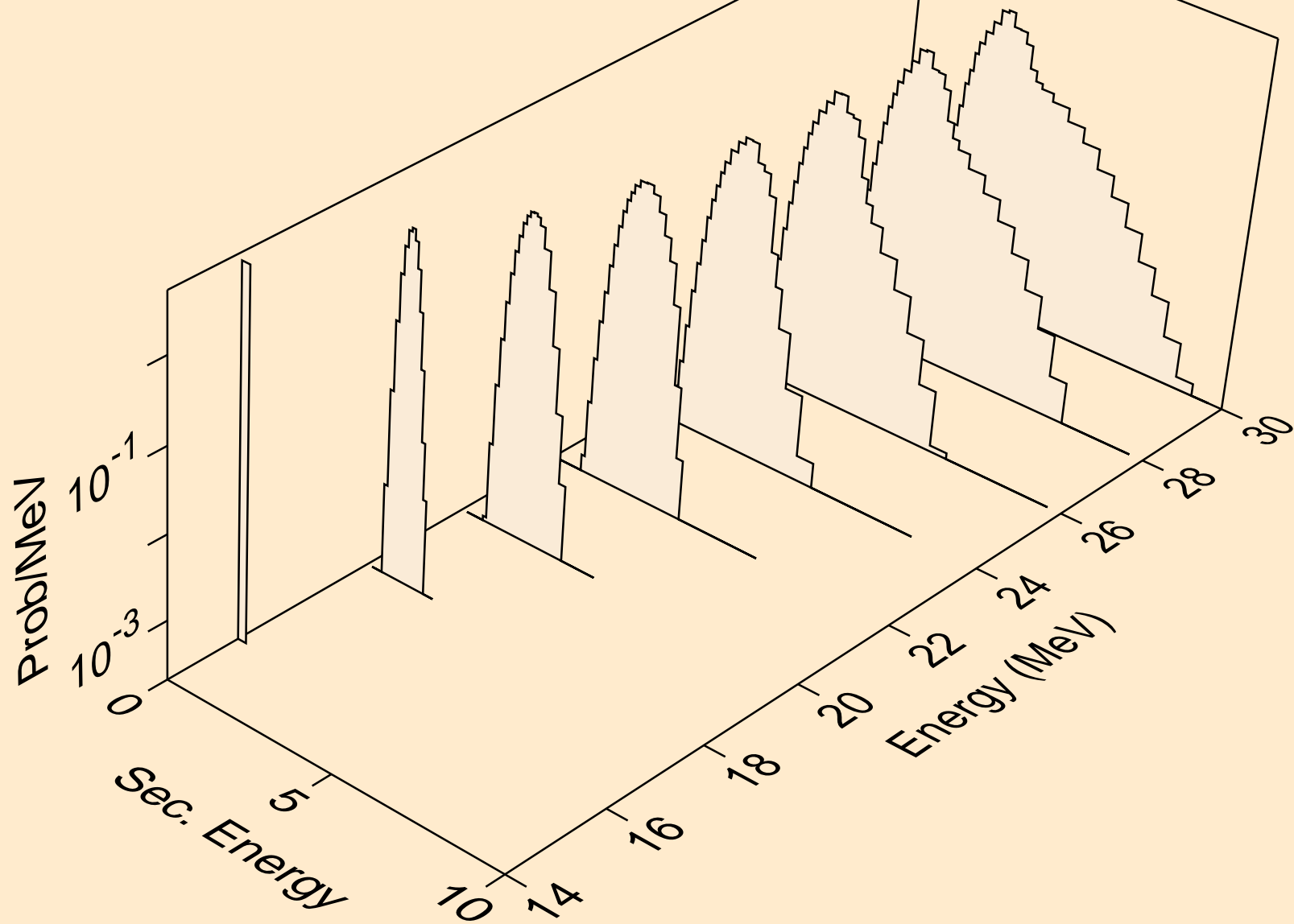
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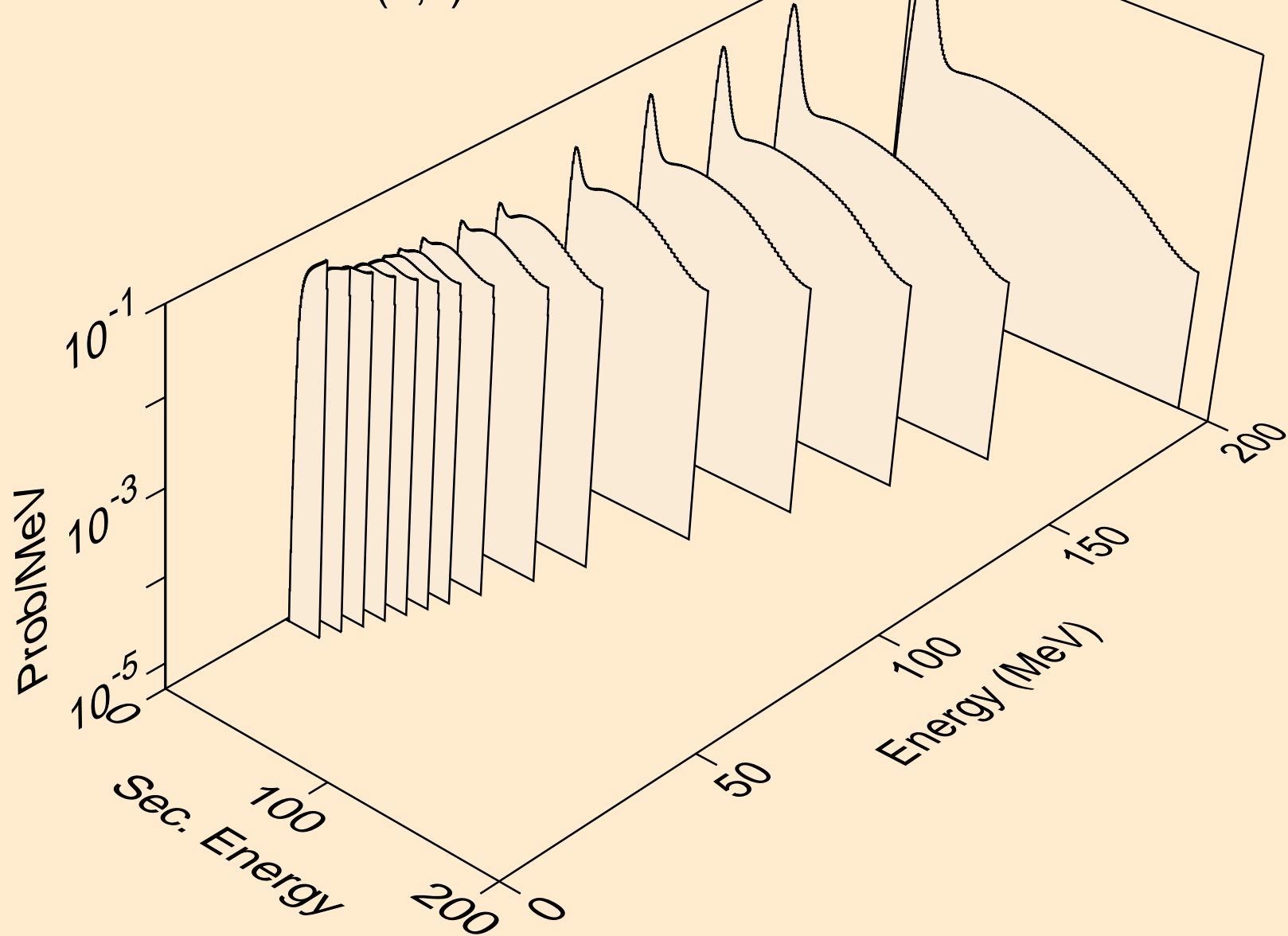
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protons from (n,pd)



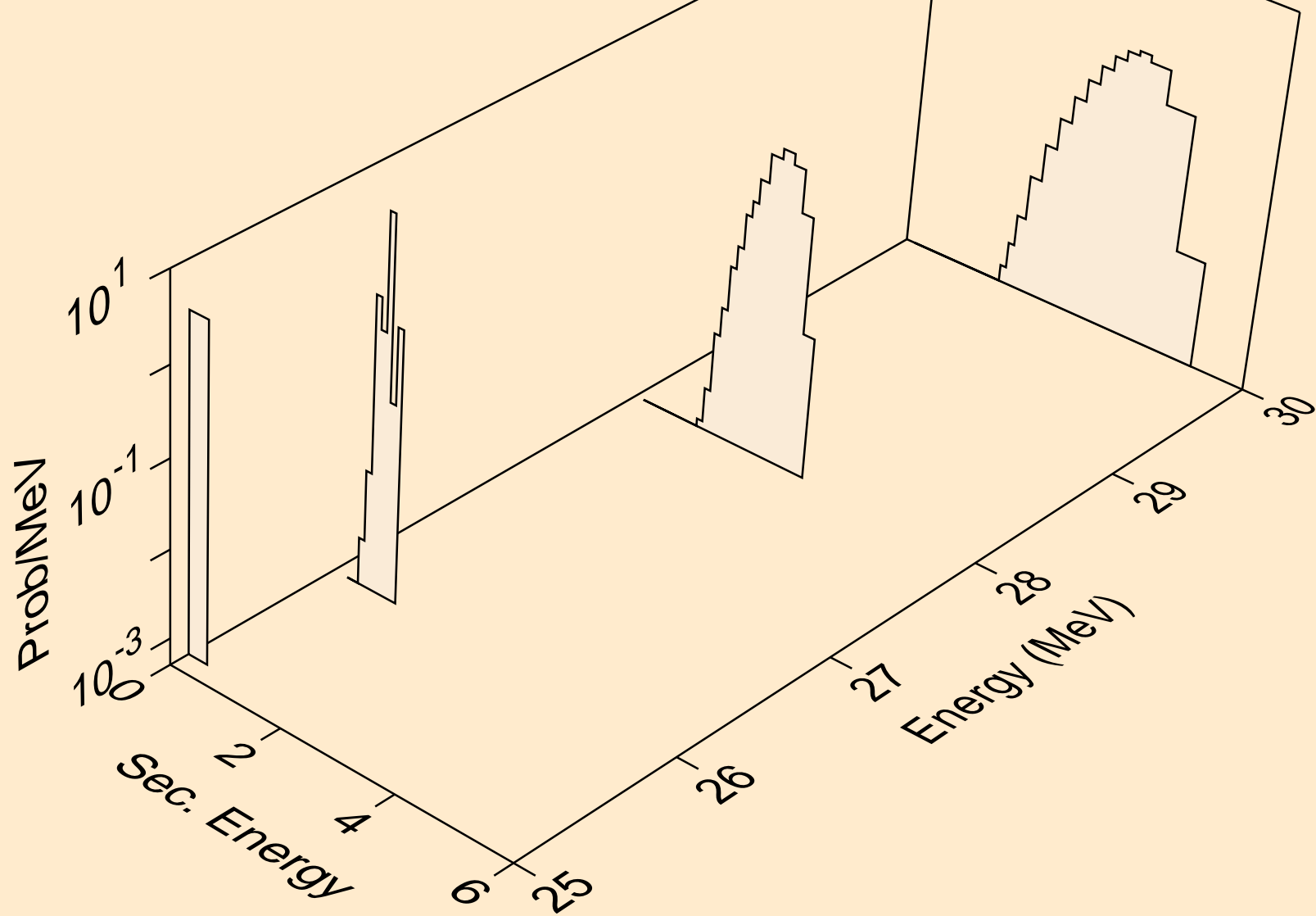
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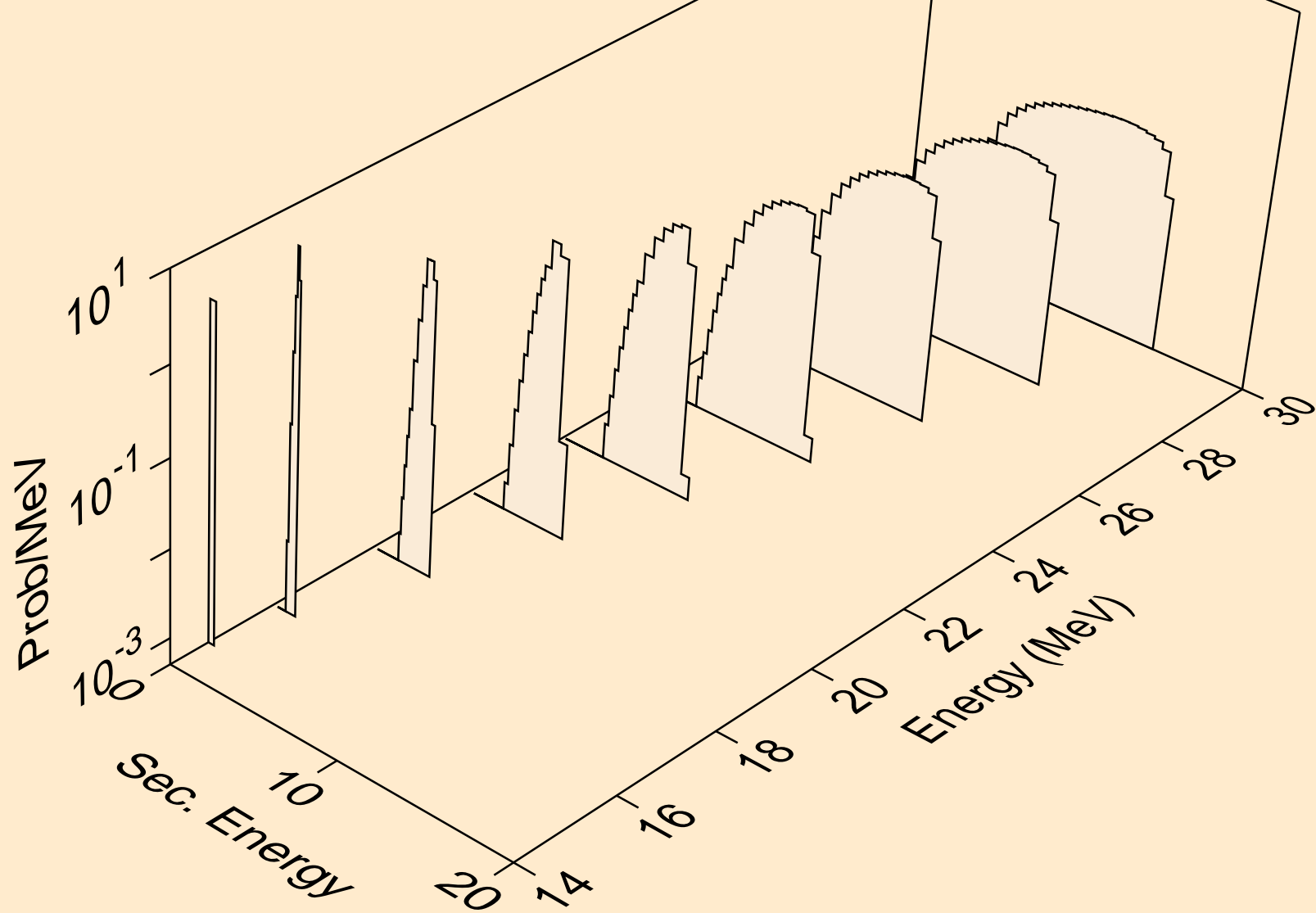
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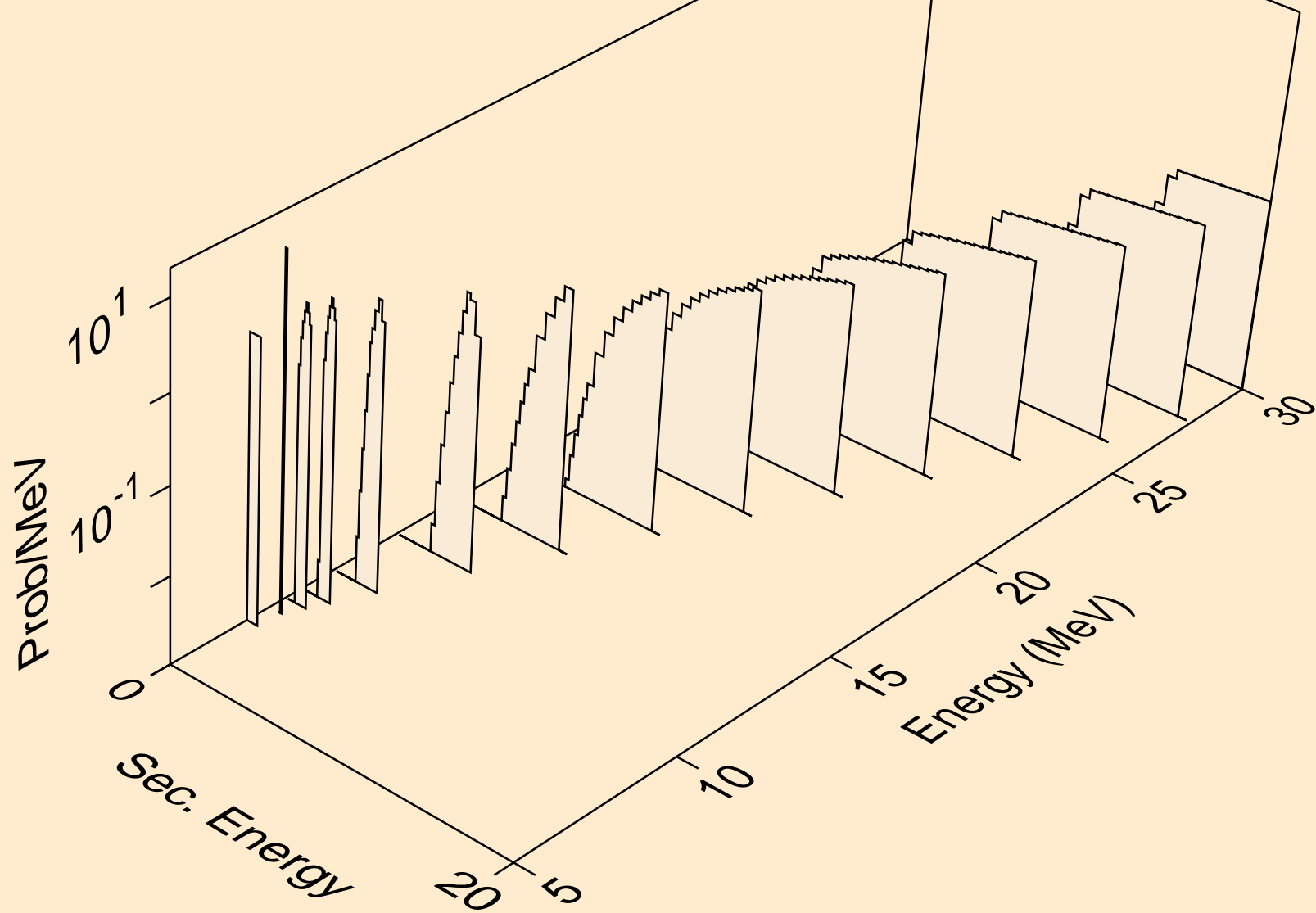
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SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d

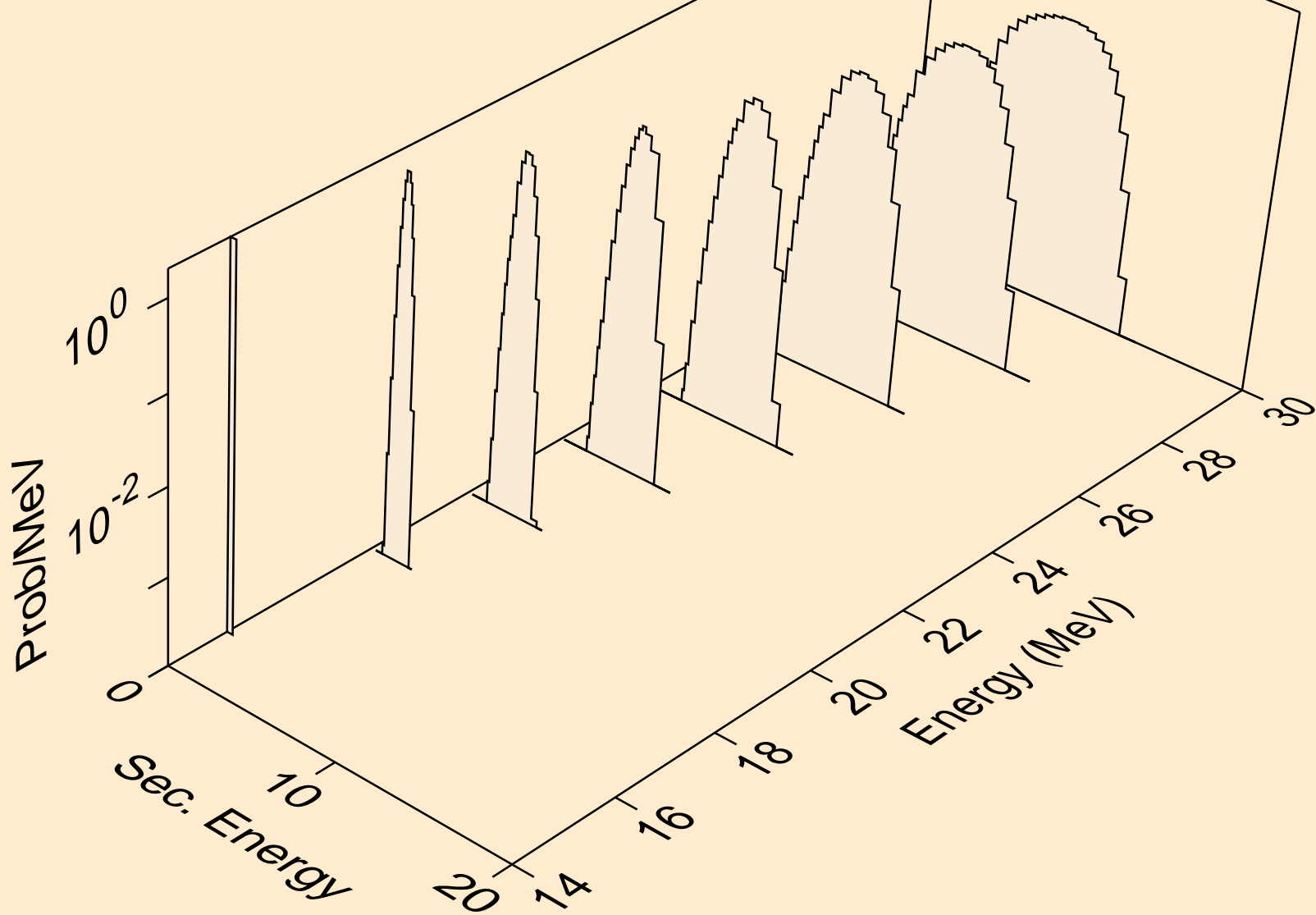


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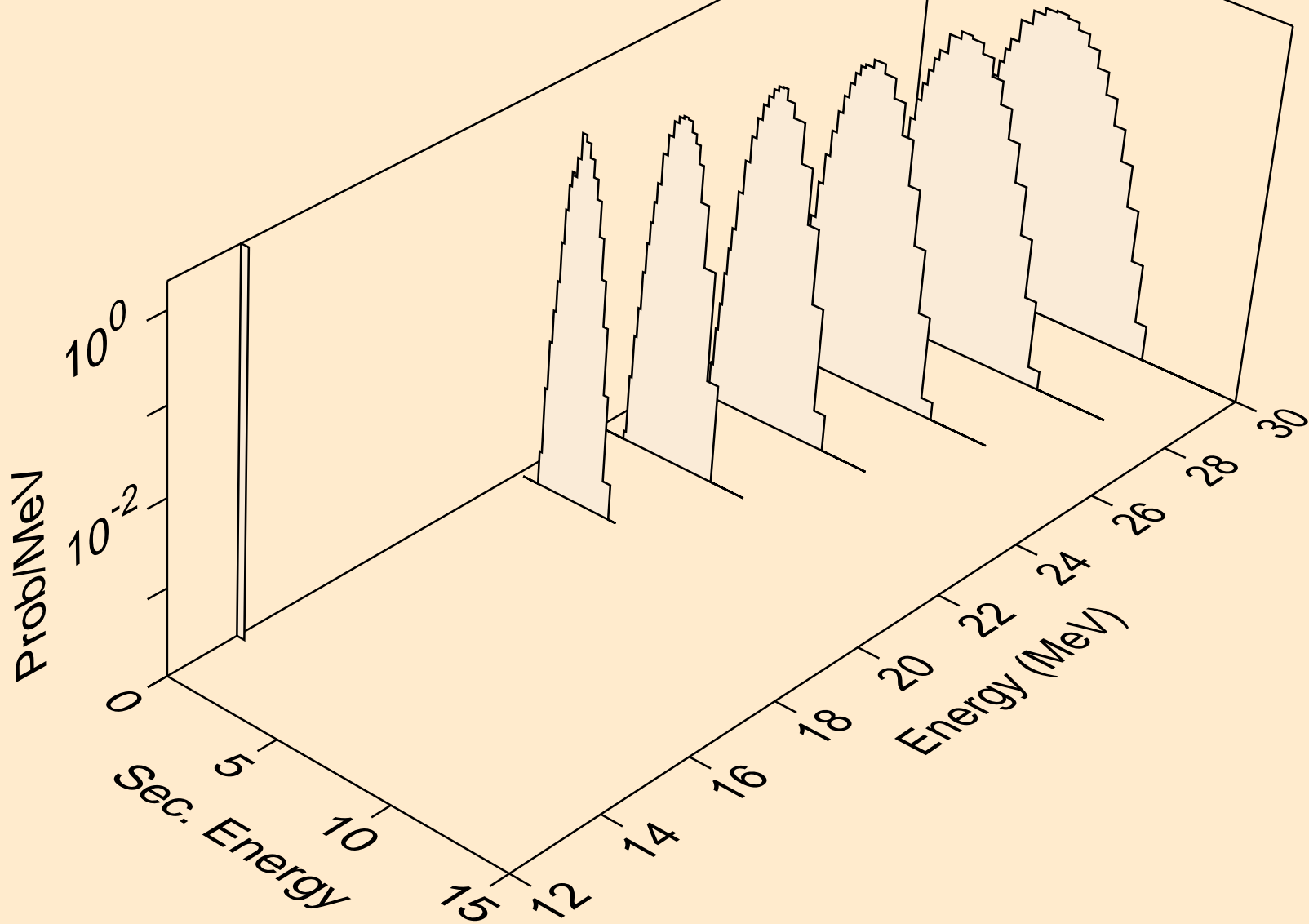




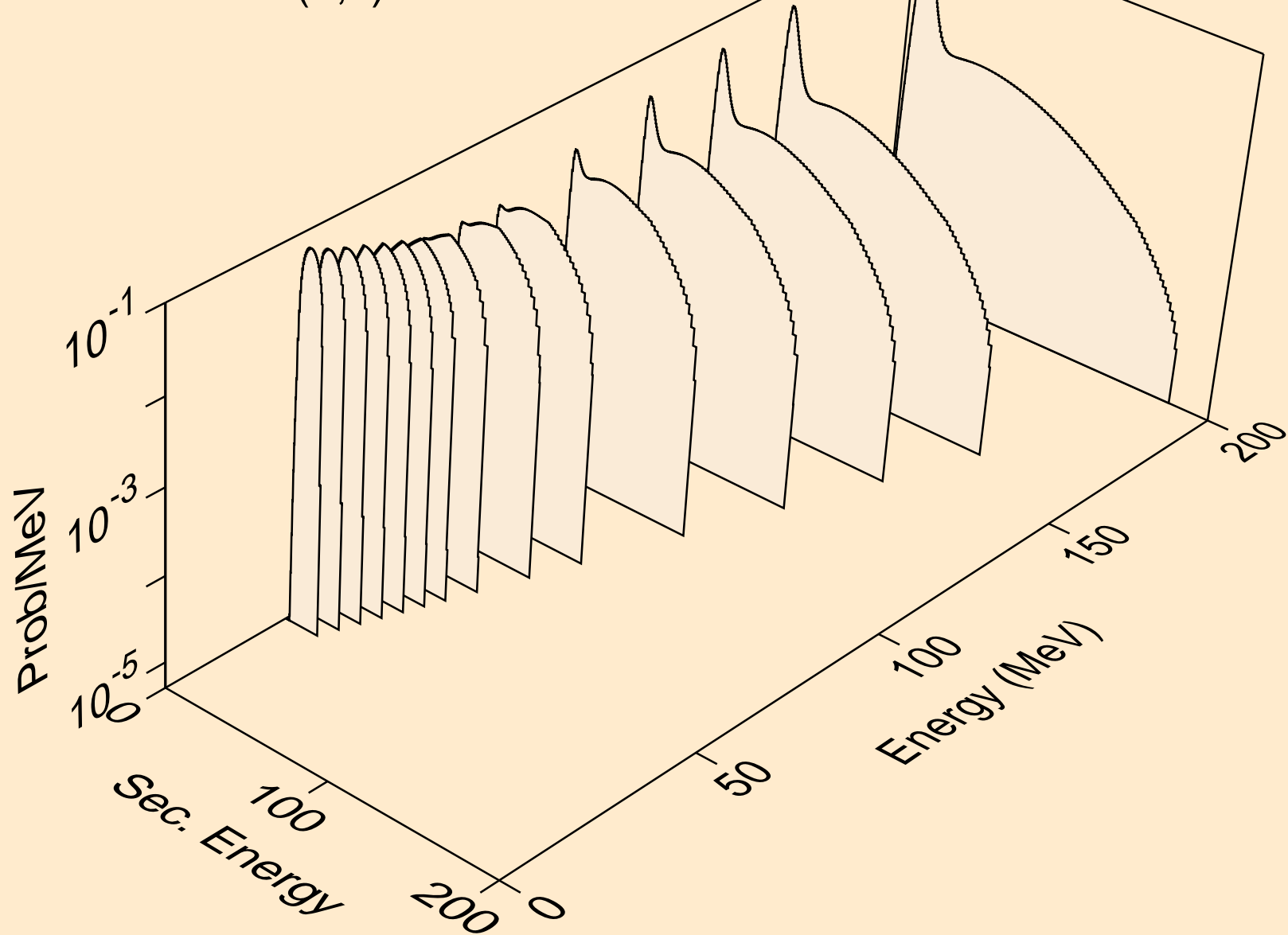
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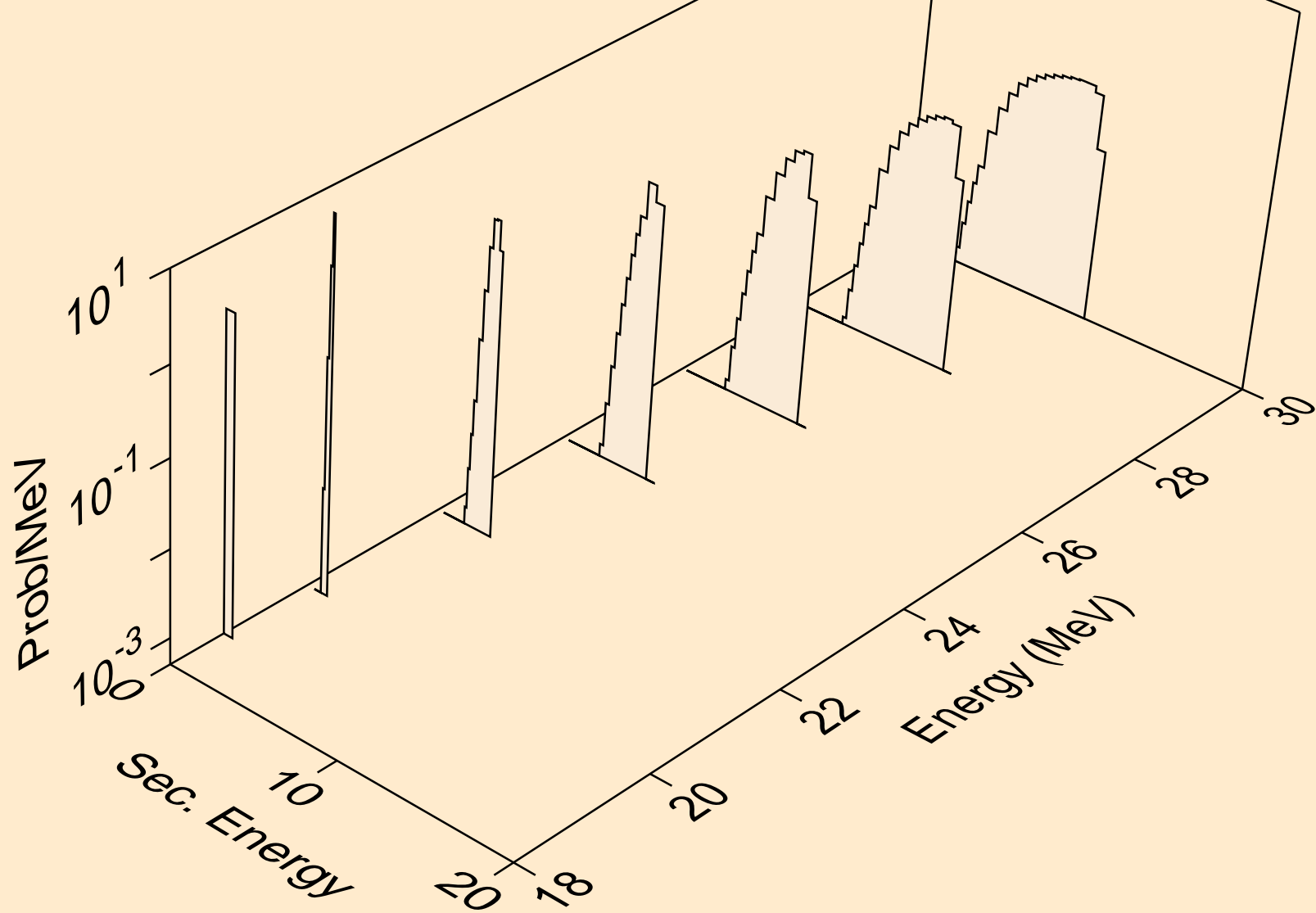
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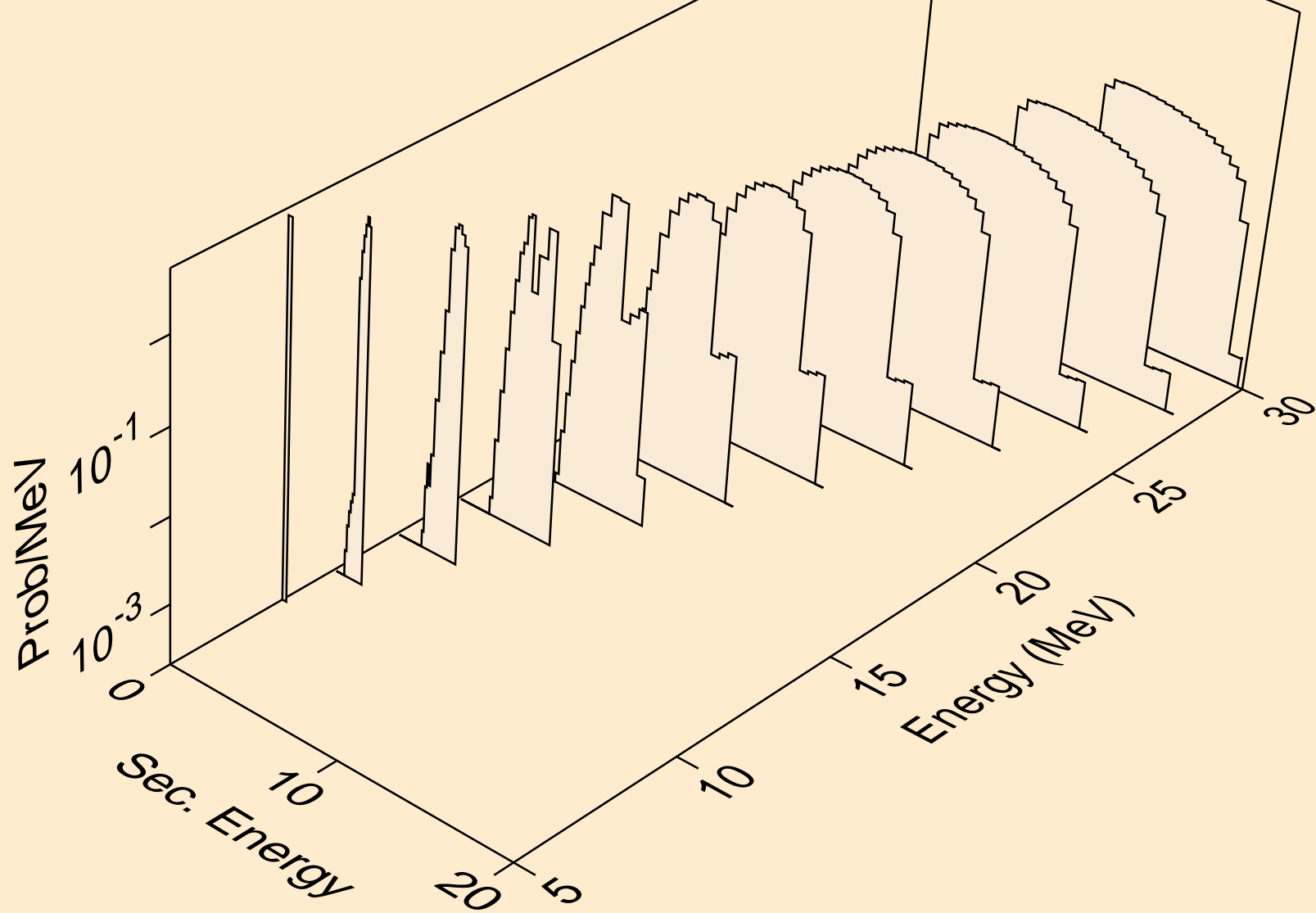
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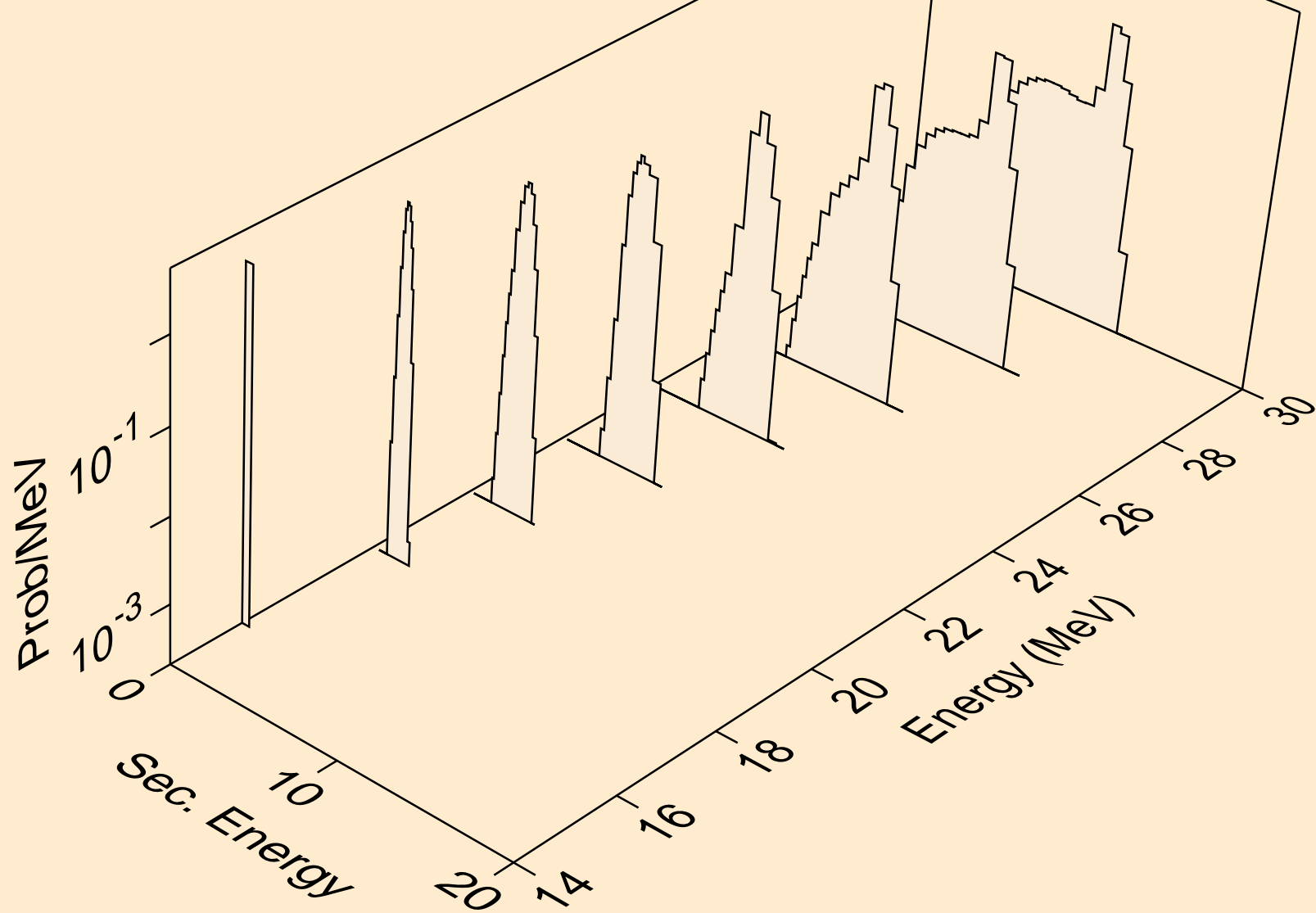
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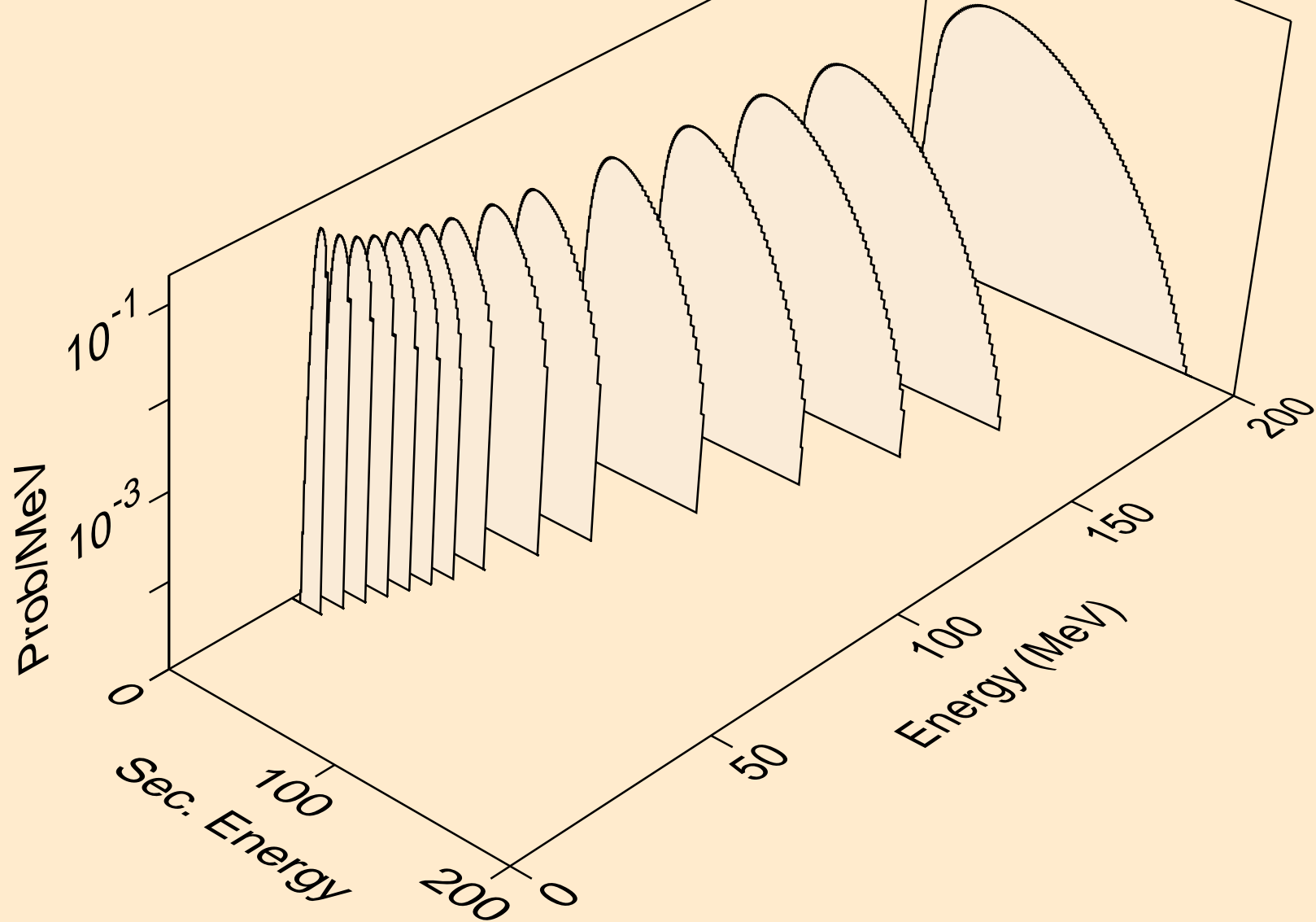
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tritons from (n,t)



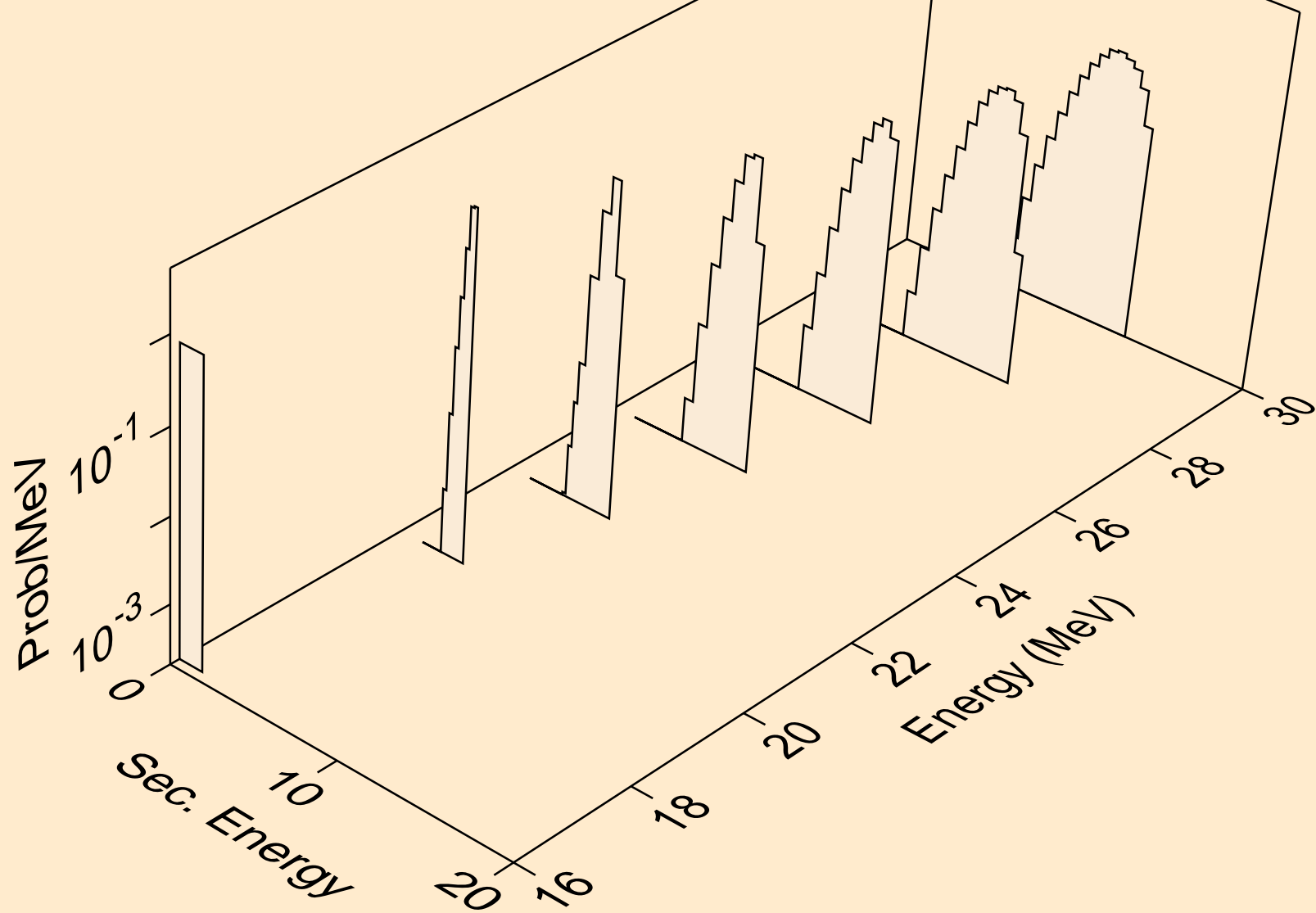
SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)



SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)

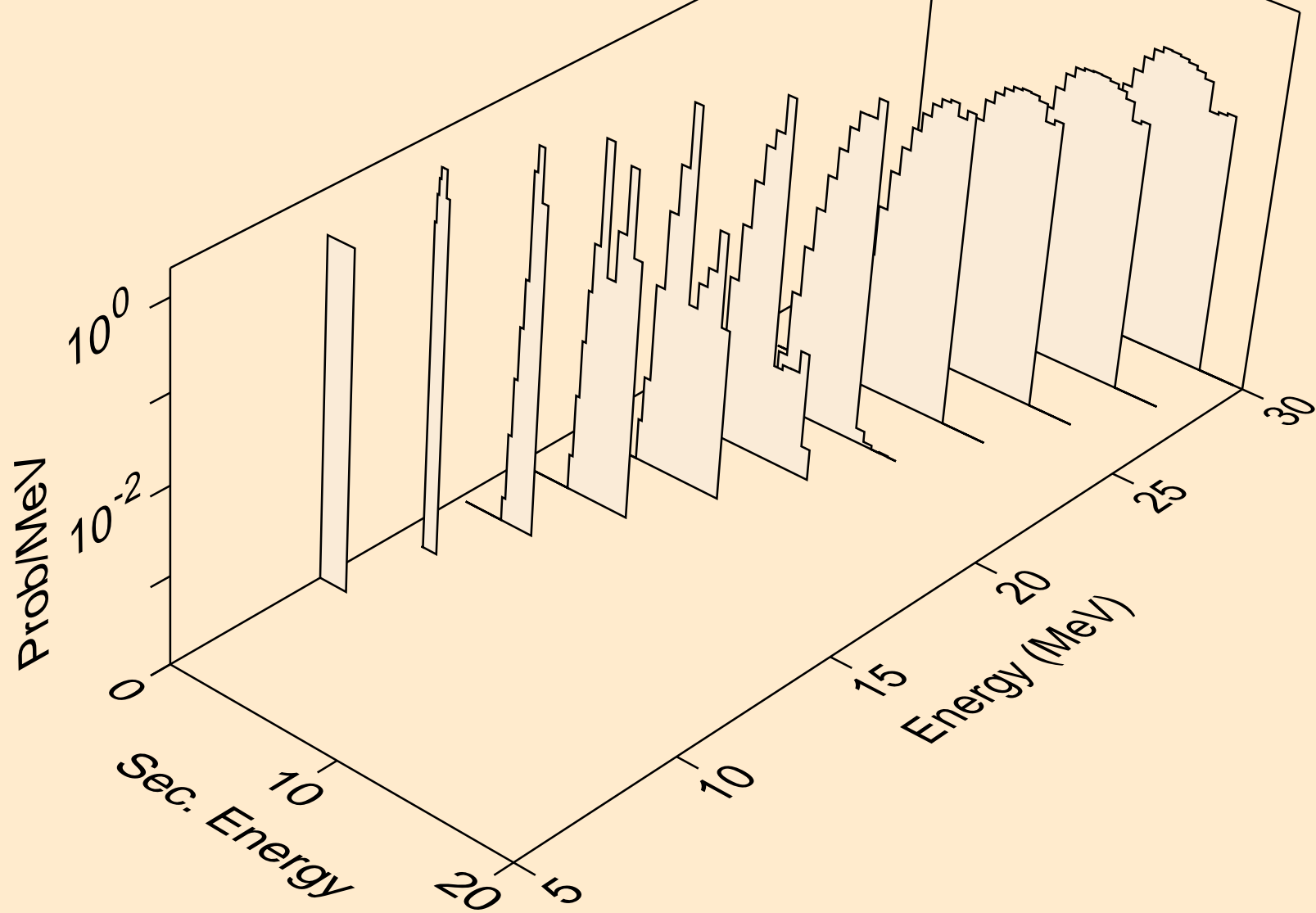


SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3

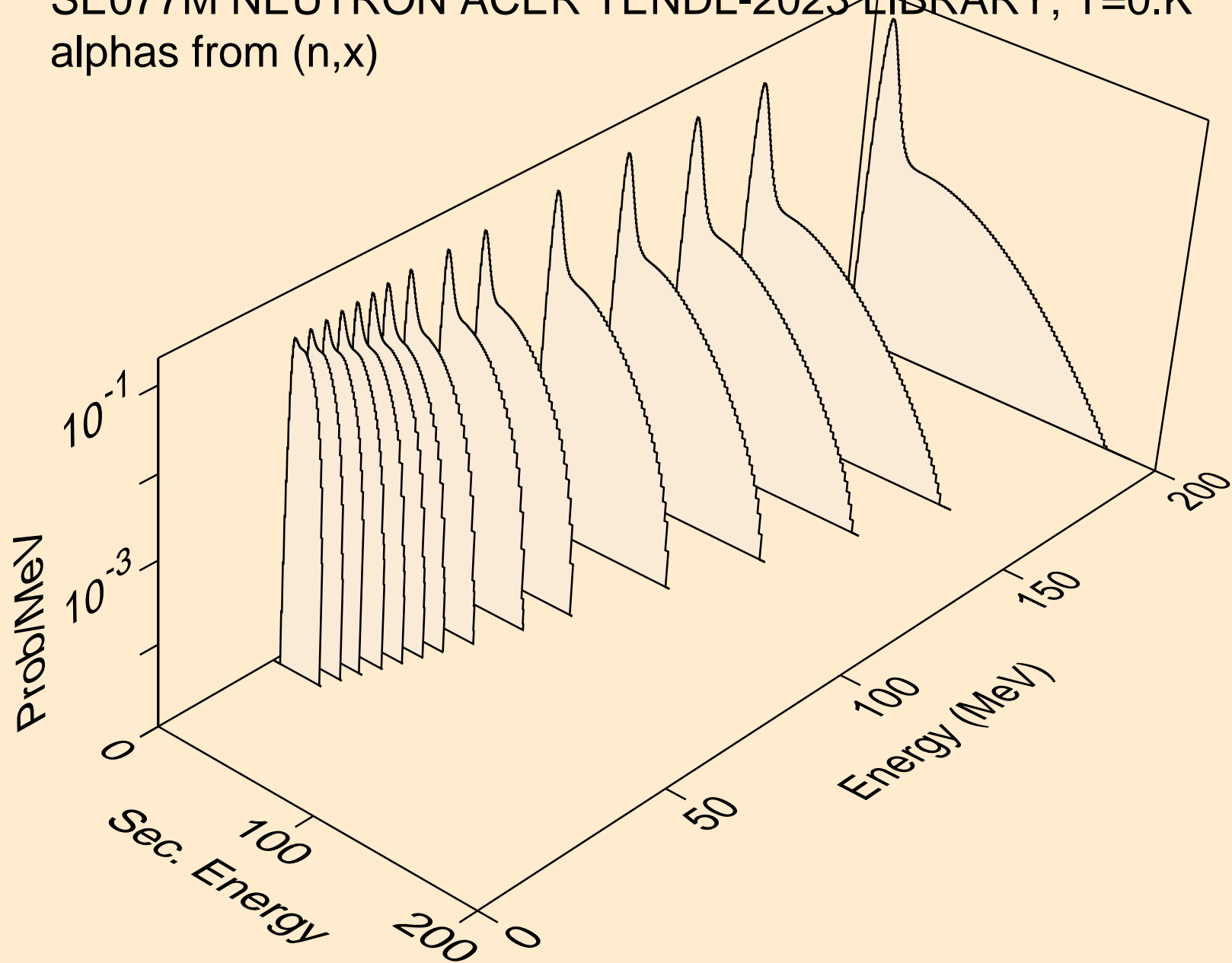




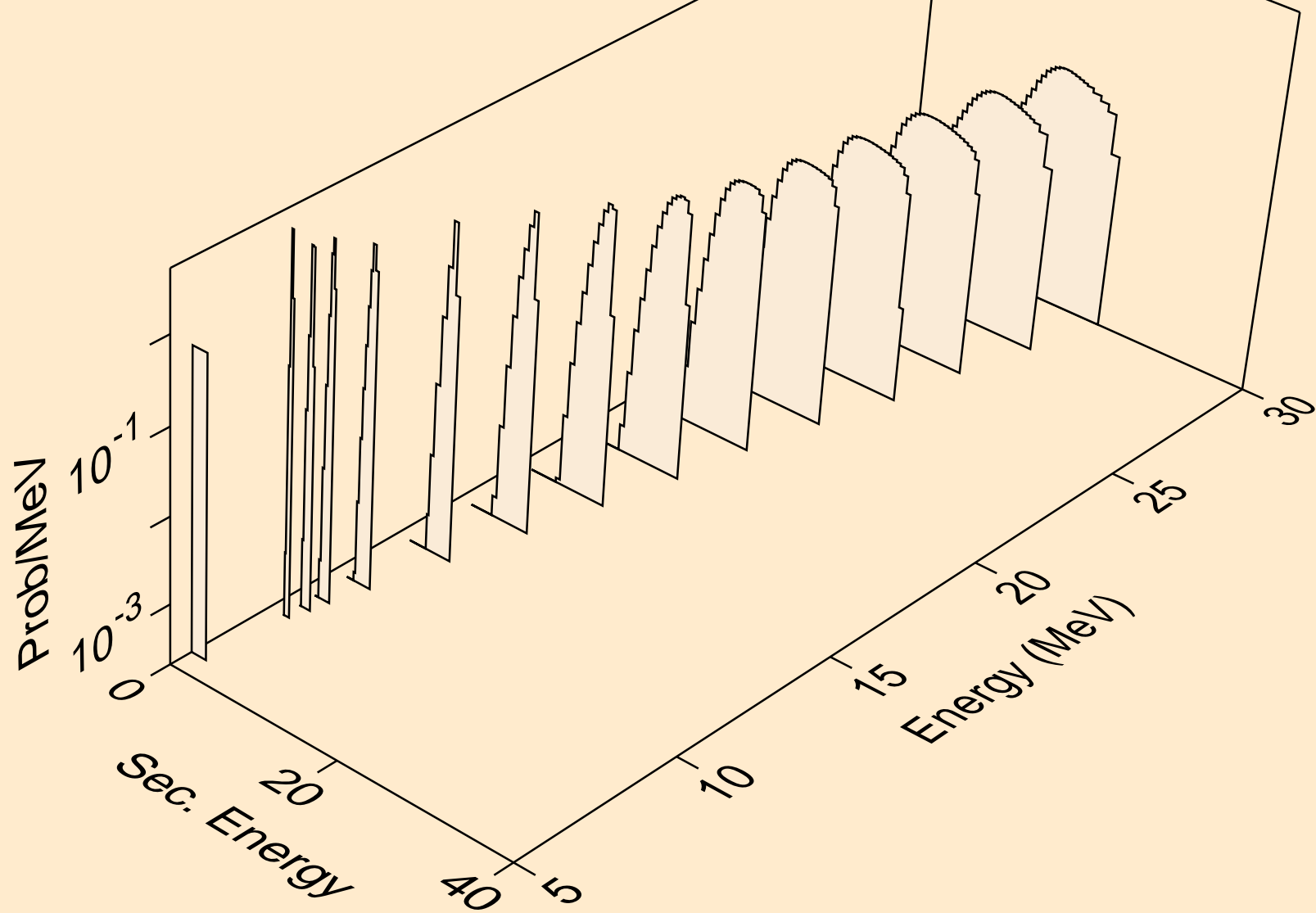
SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)



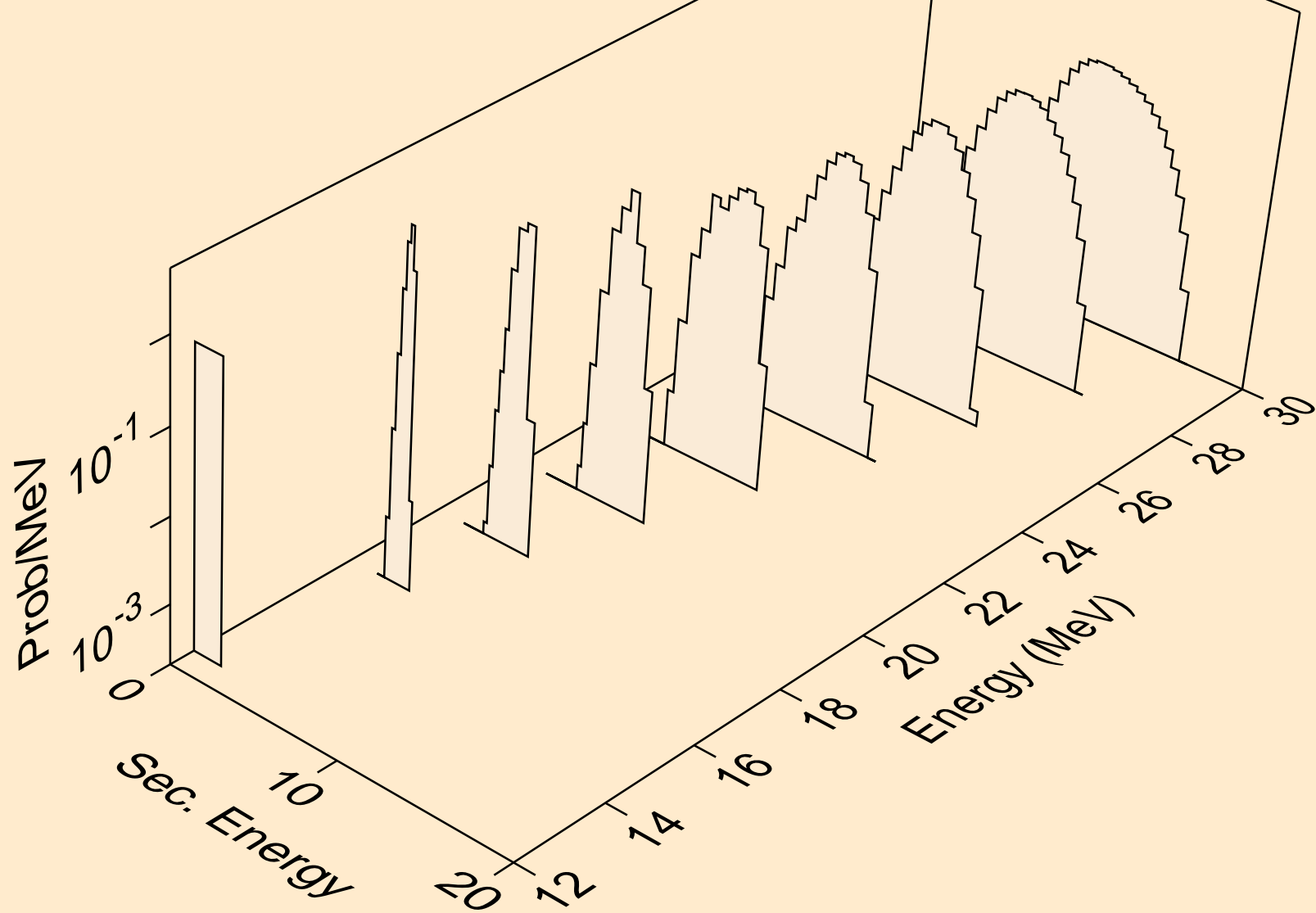
SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



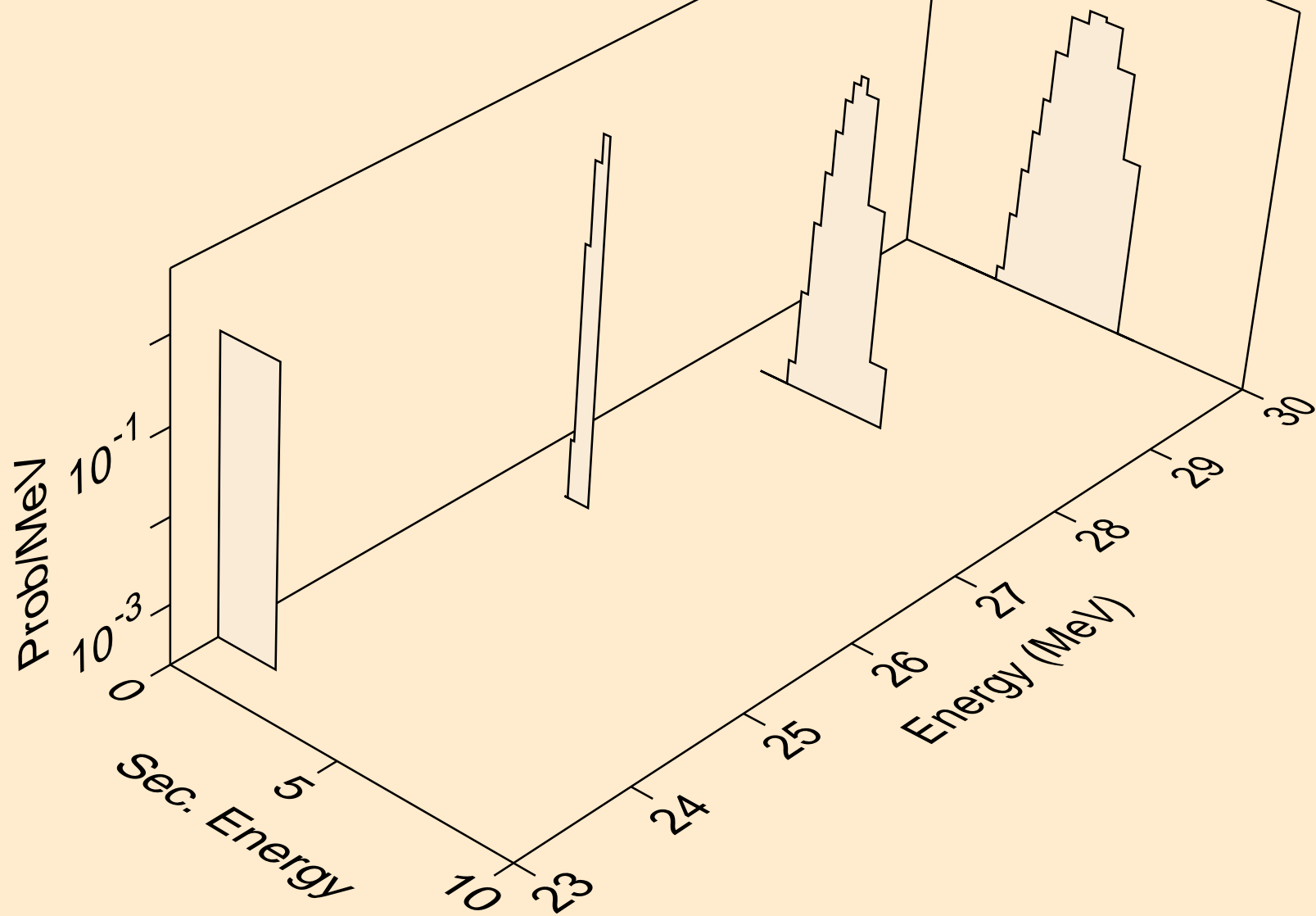
SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



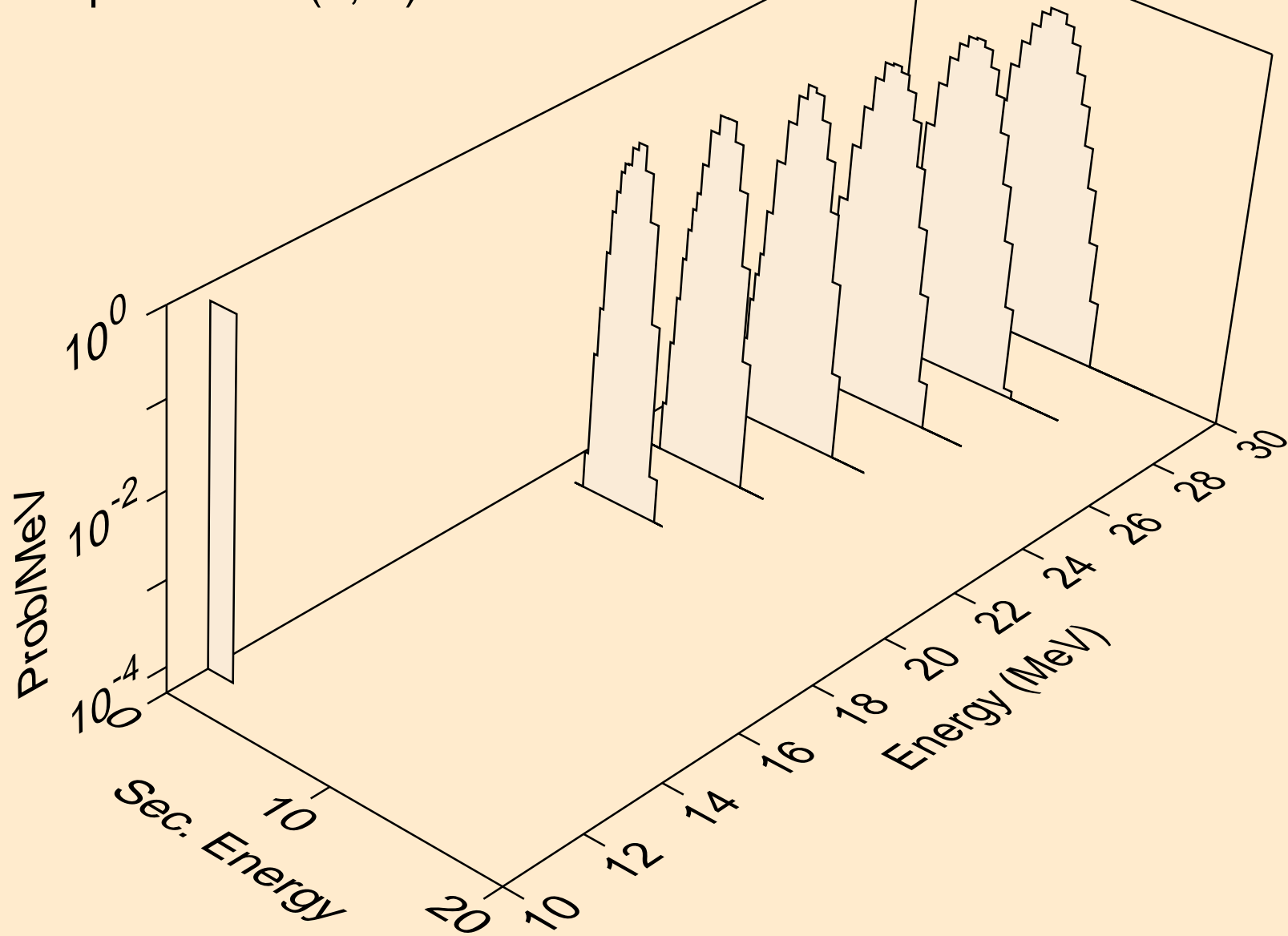
SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



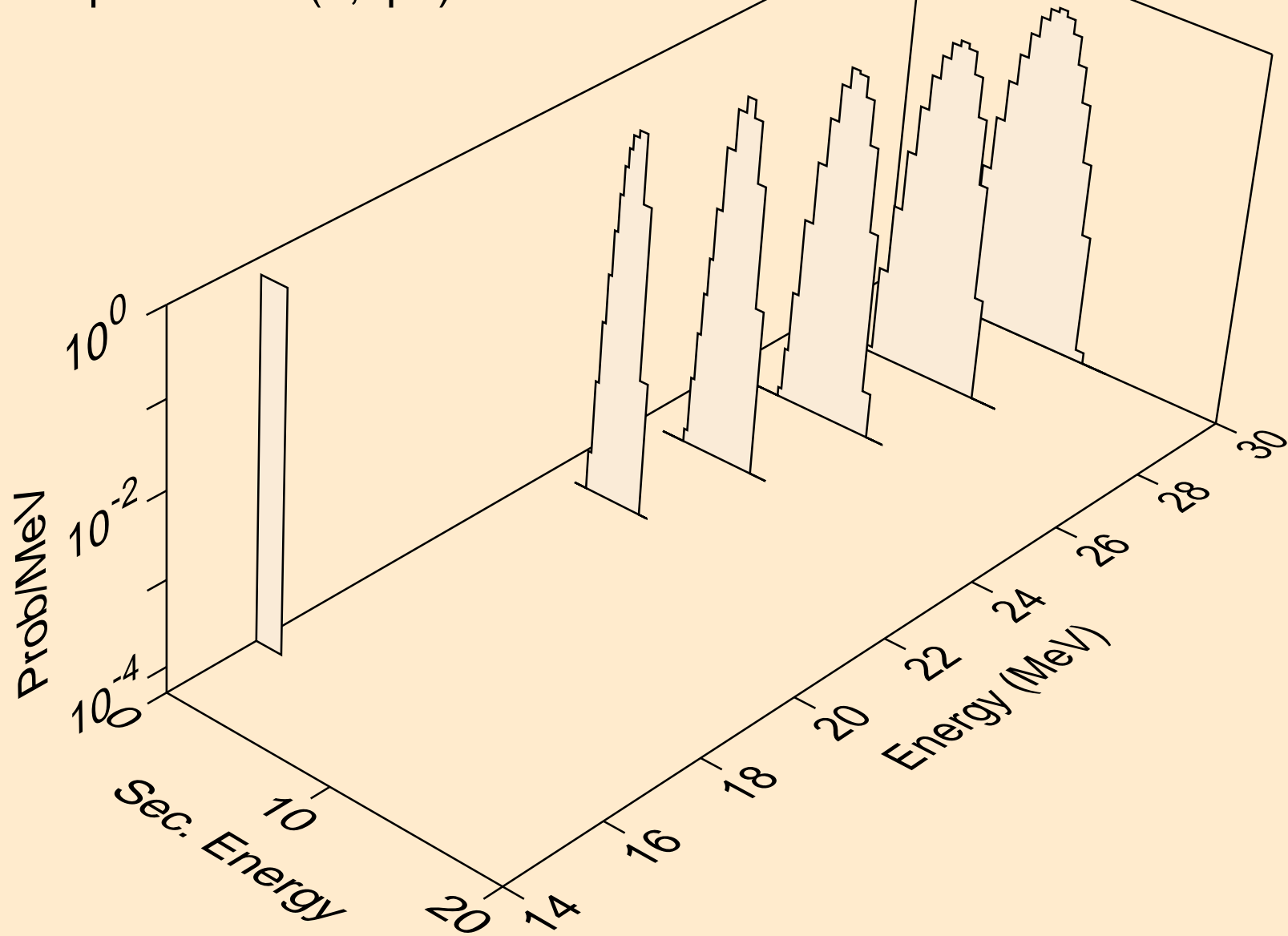
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alphas from (n,3n)a



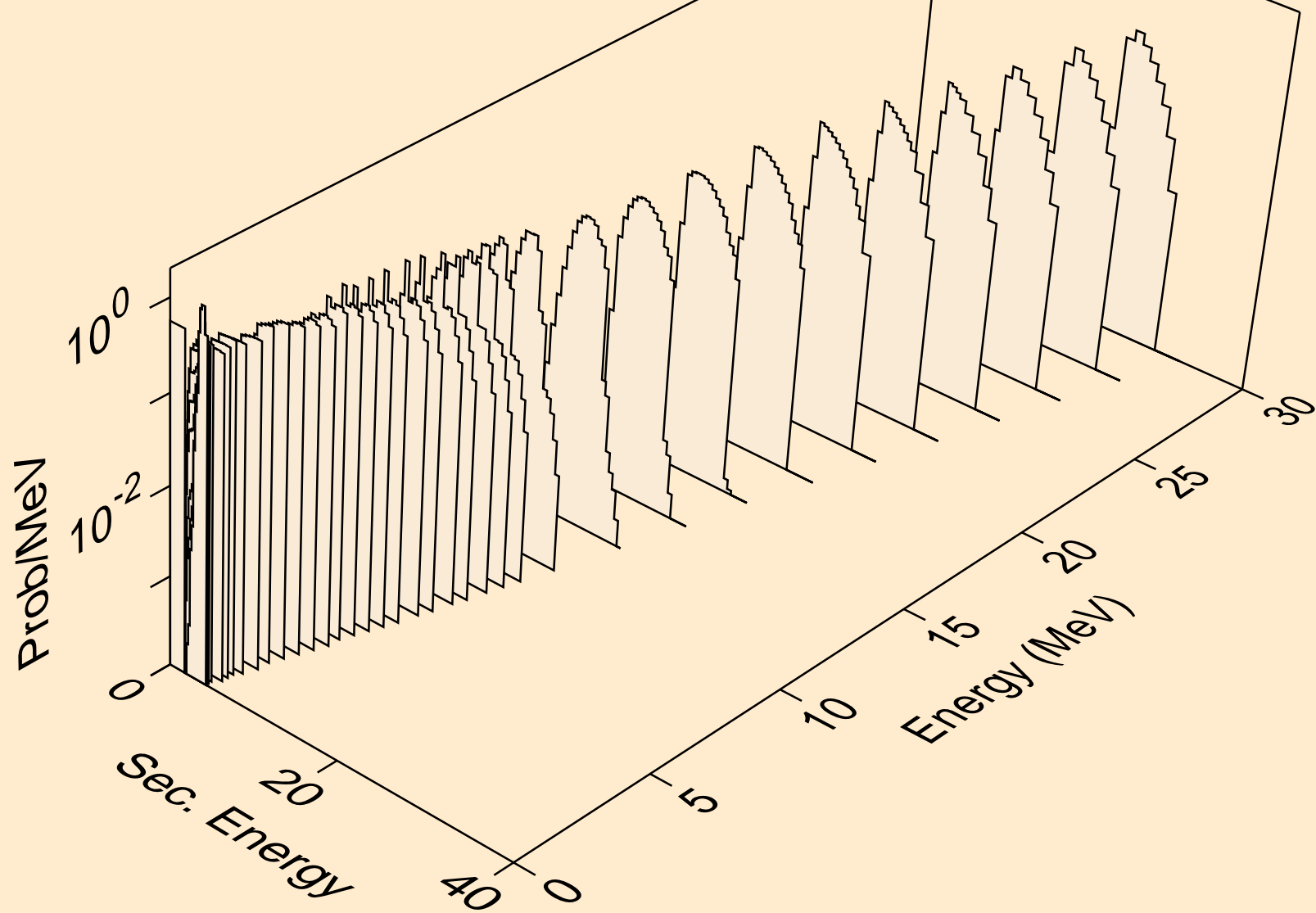
SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a



SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)

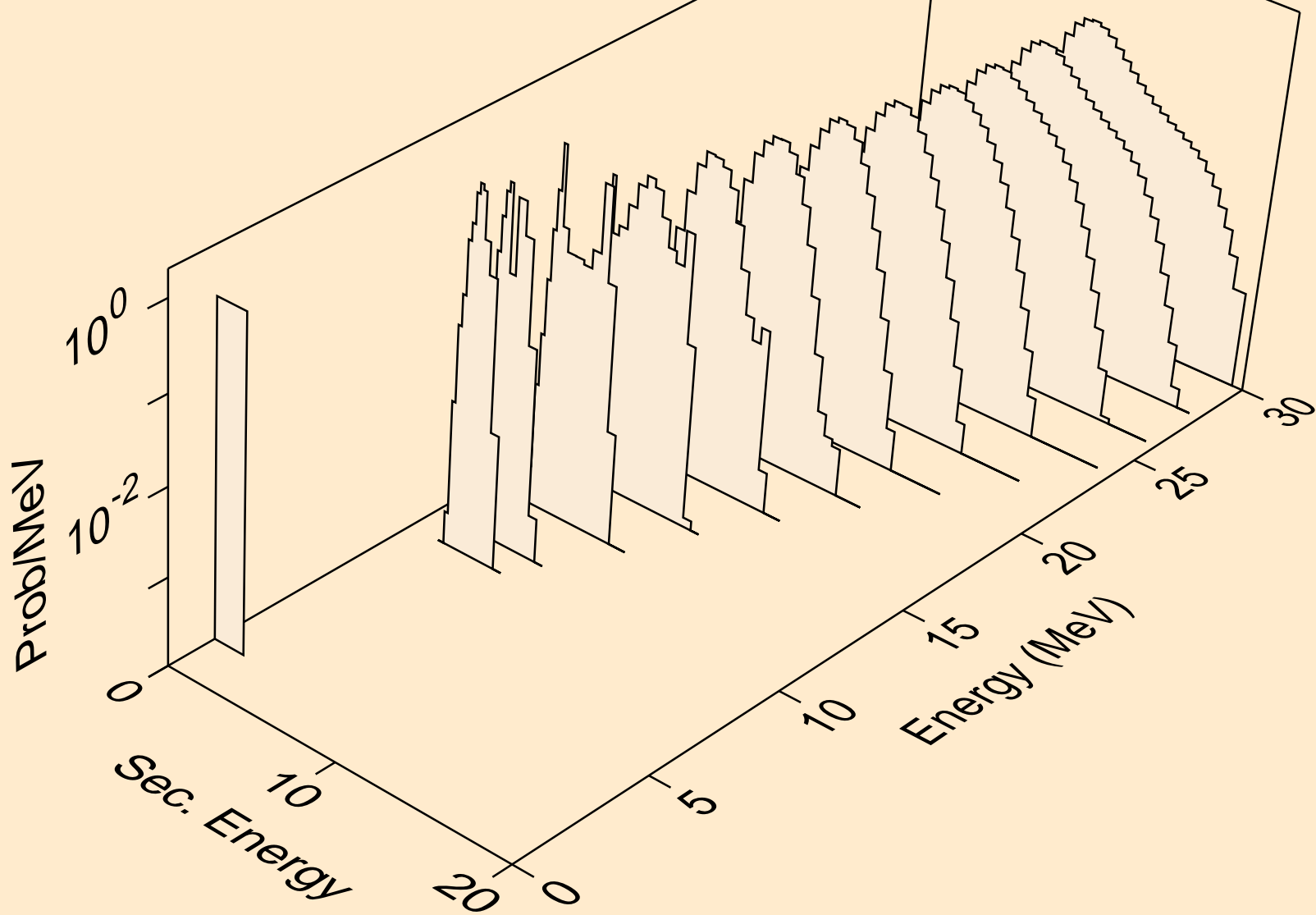


SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)

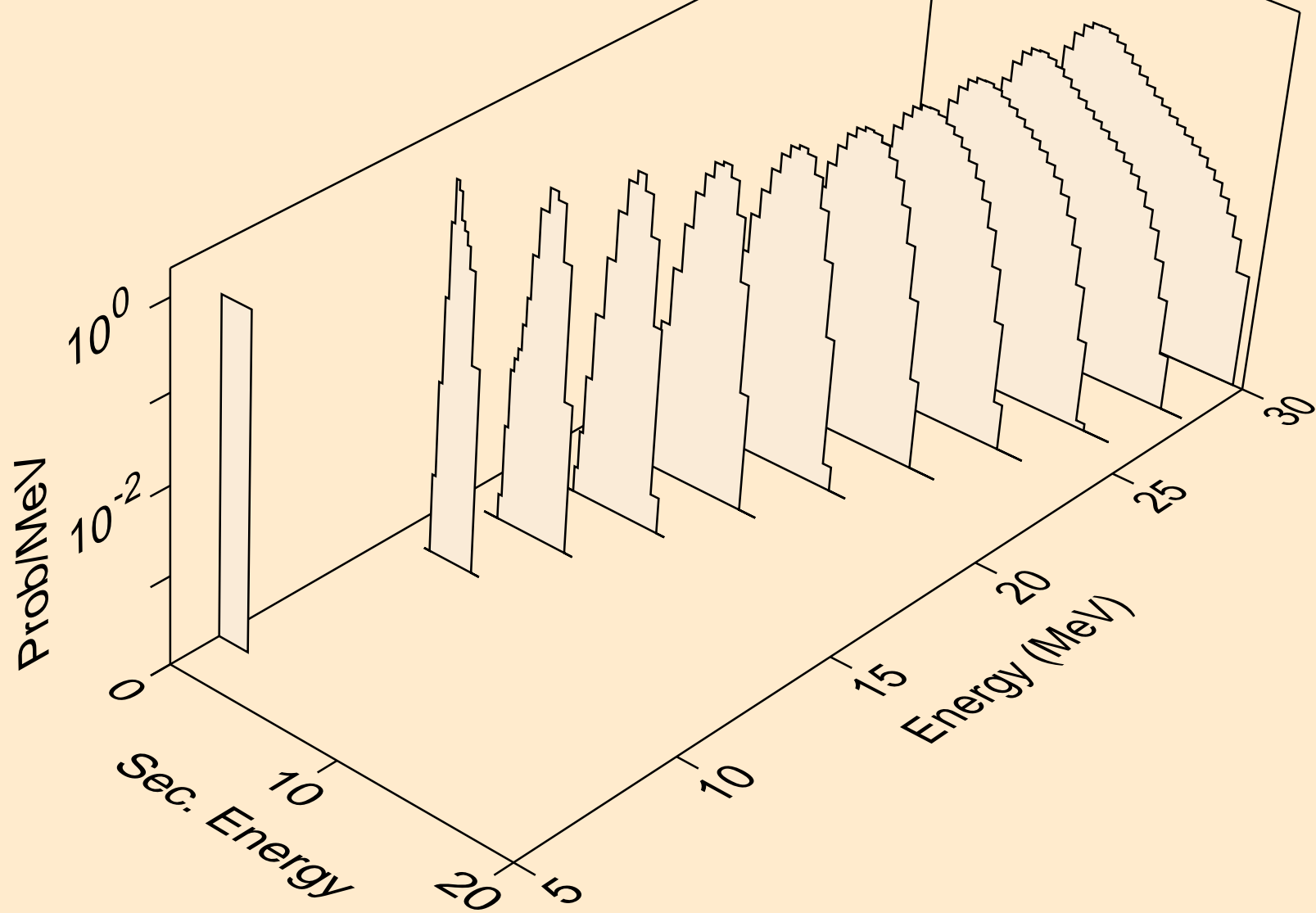




SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



SE077M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

