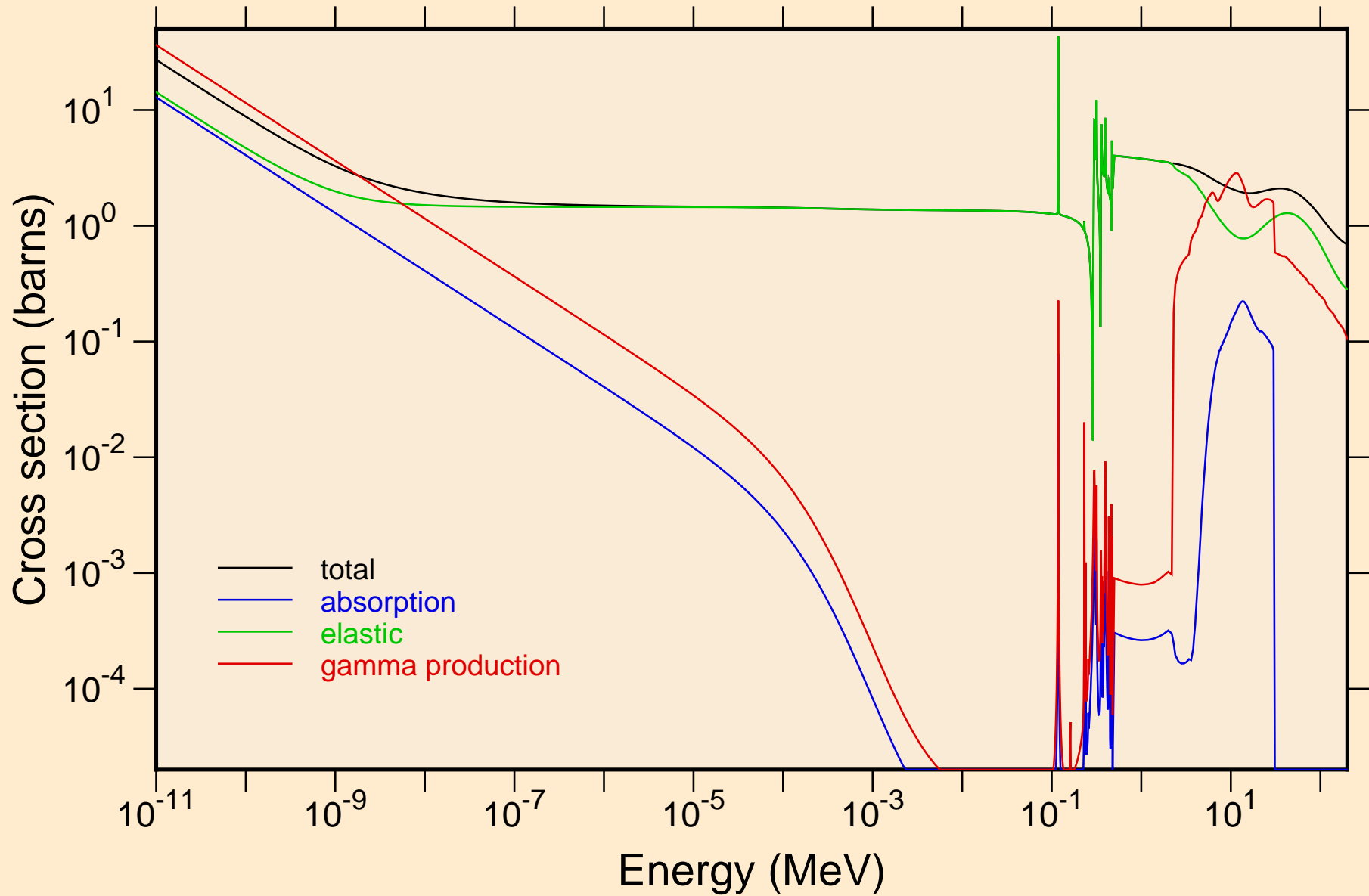
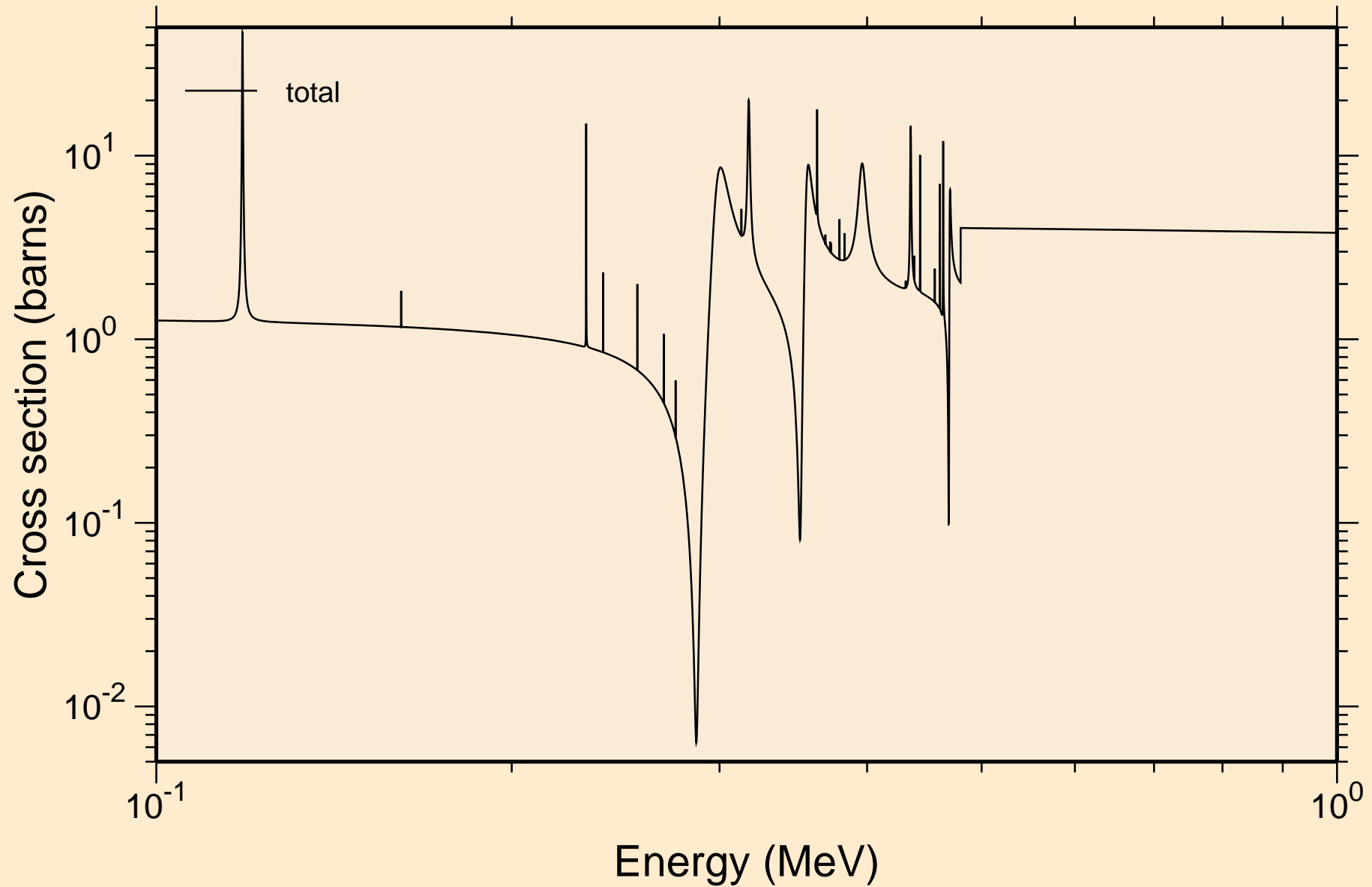


# S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

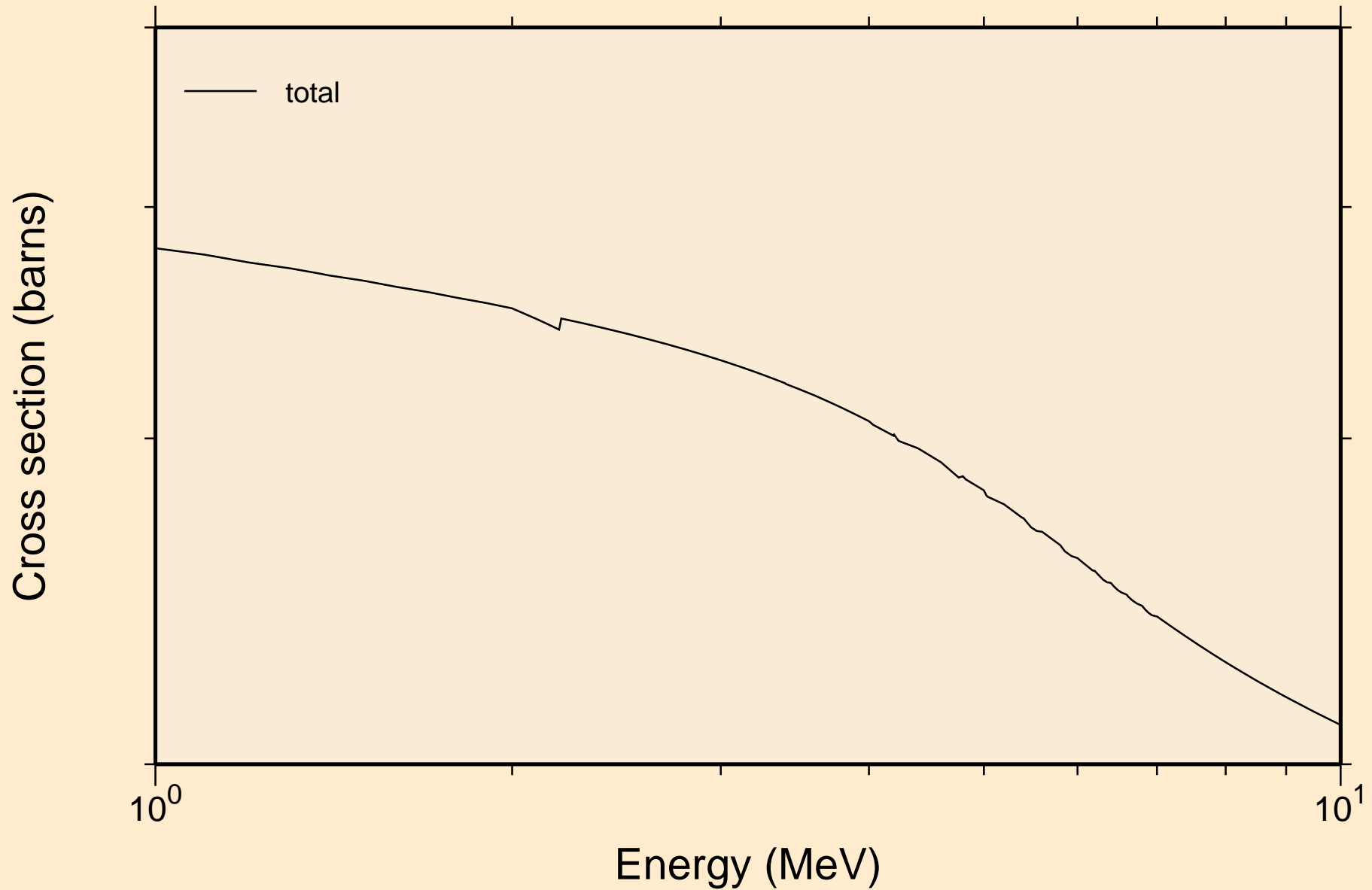
## Principal cross sections



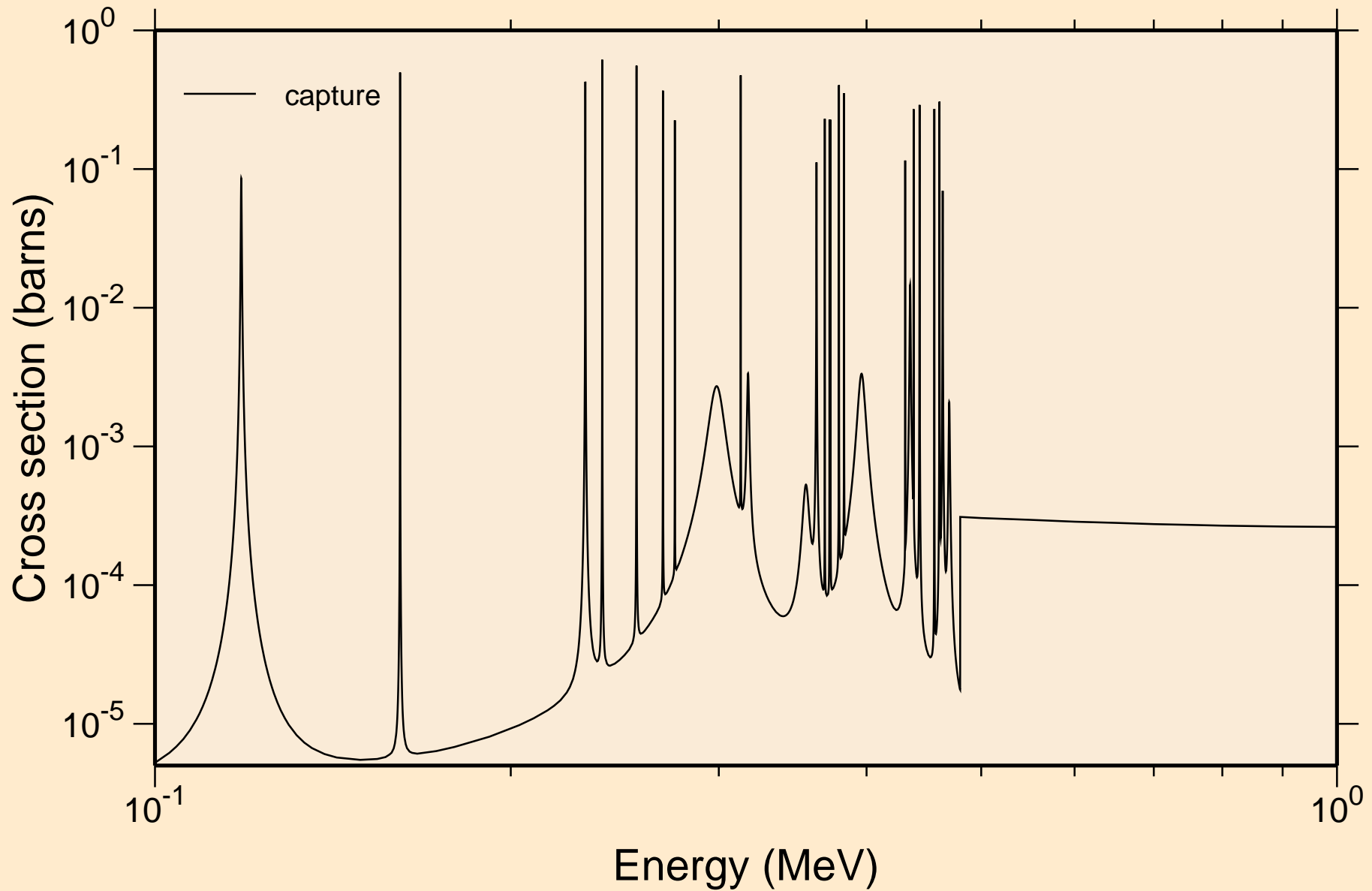
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



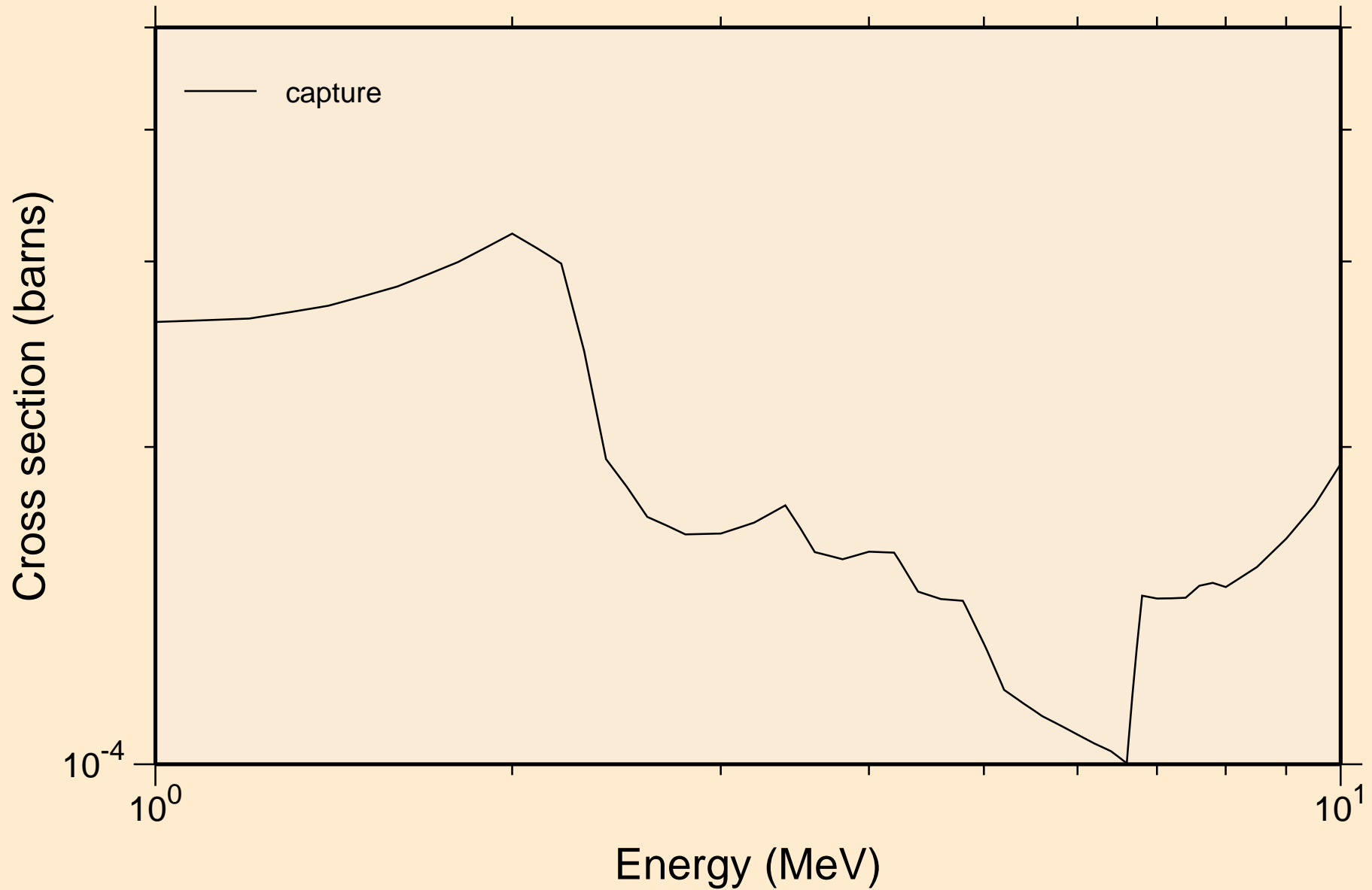
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

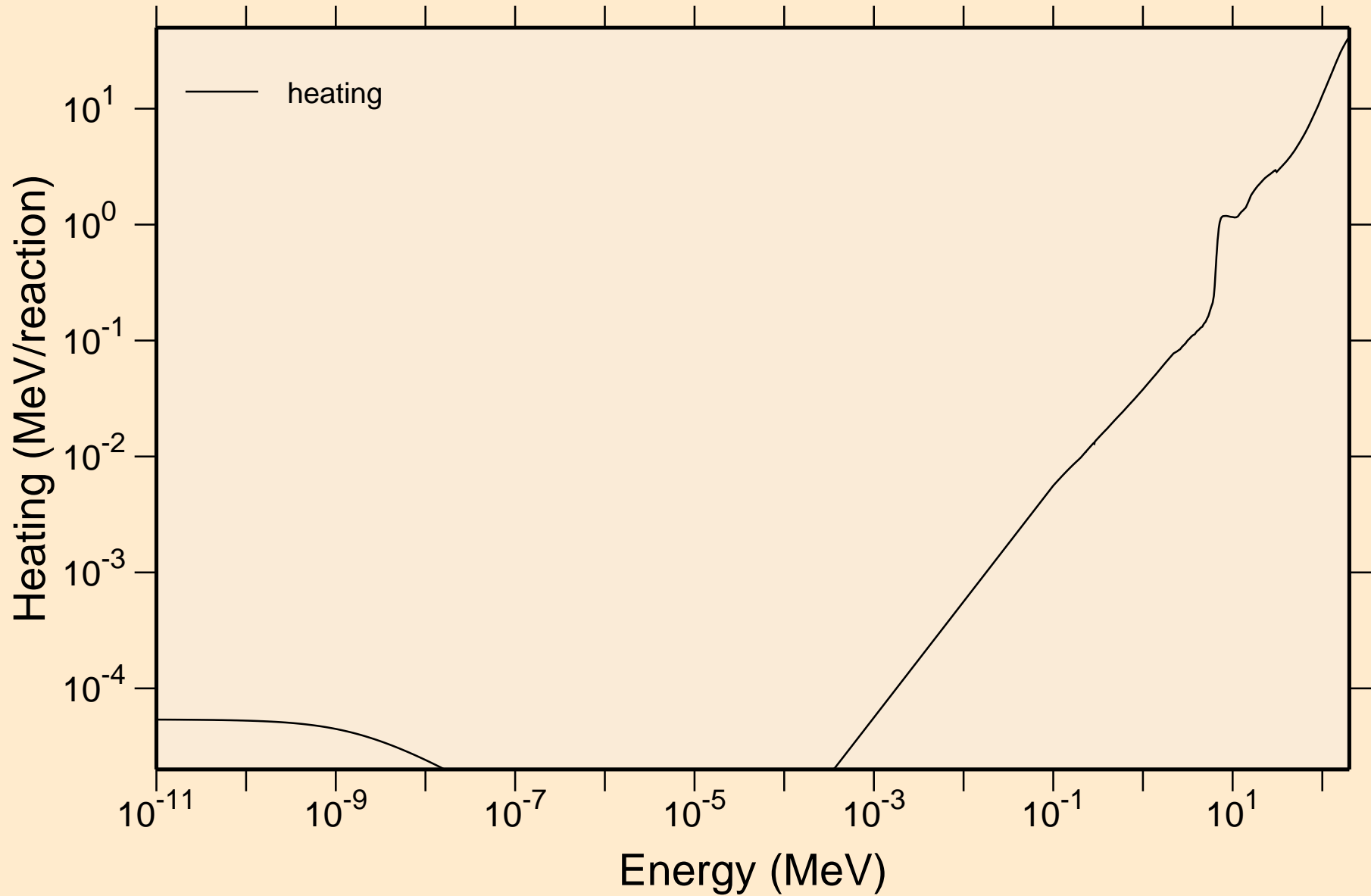


S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

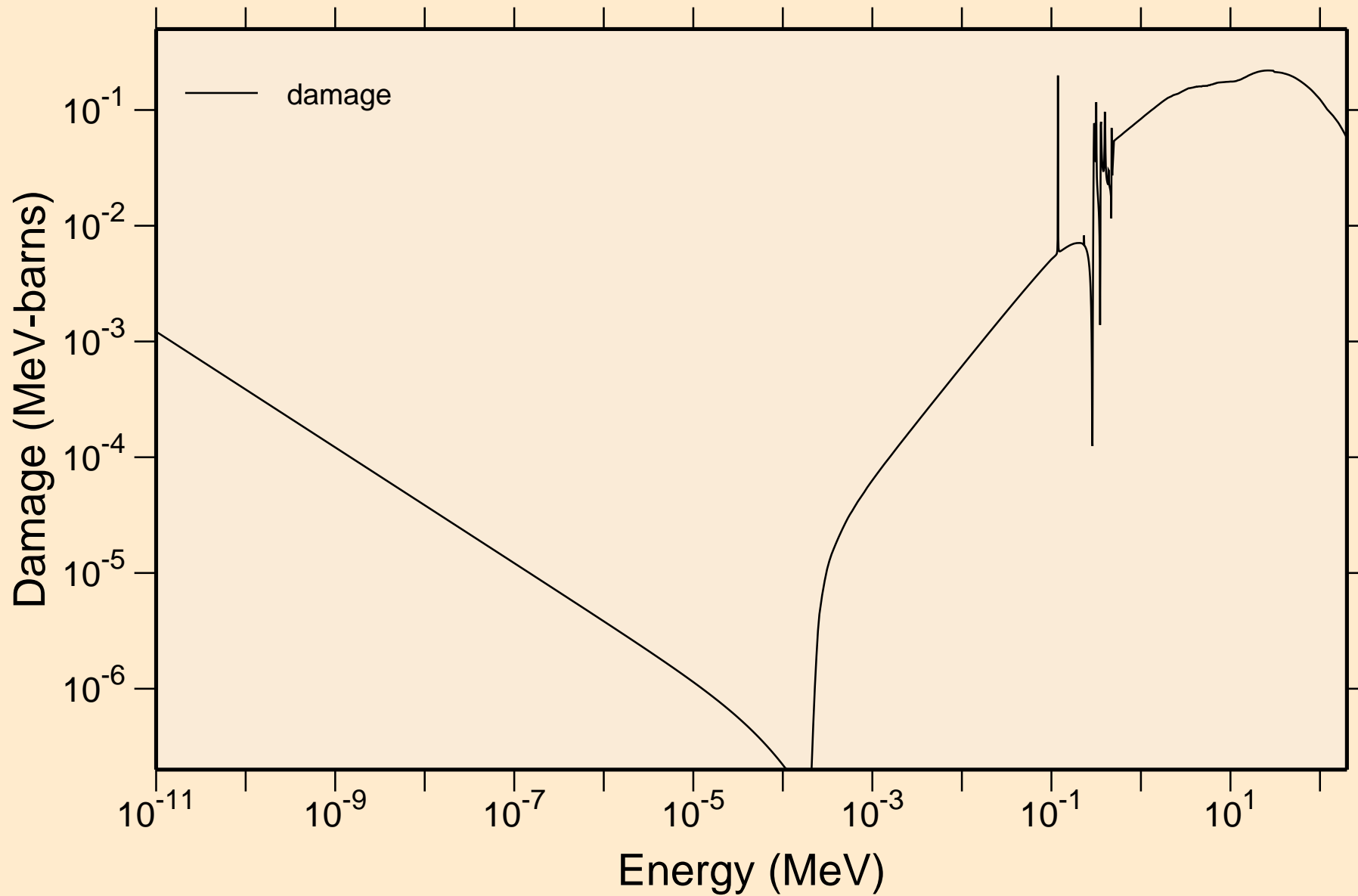


# S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

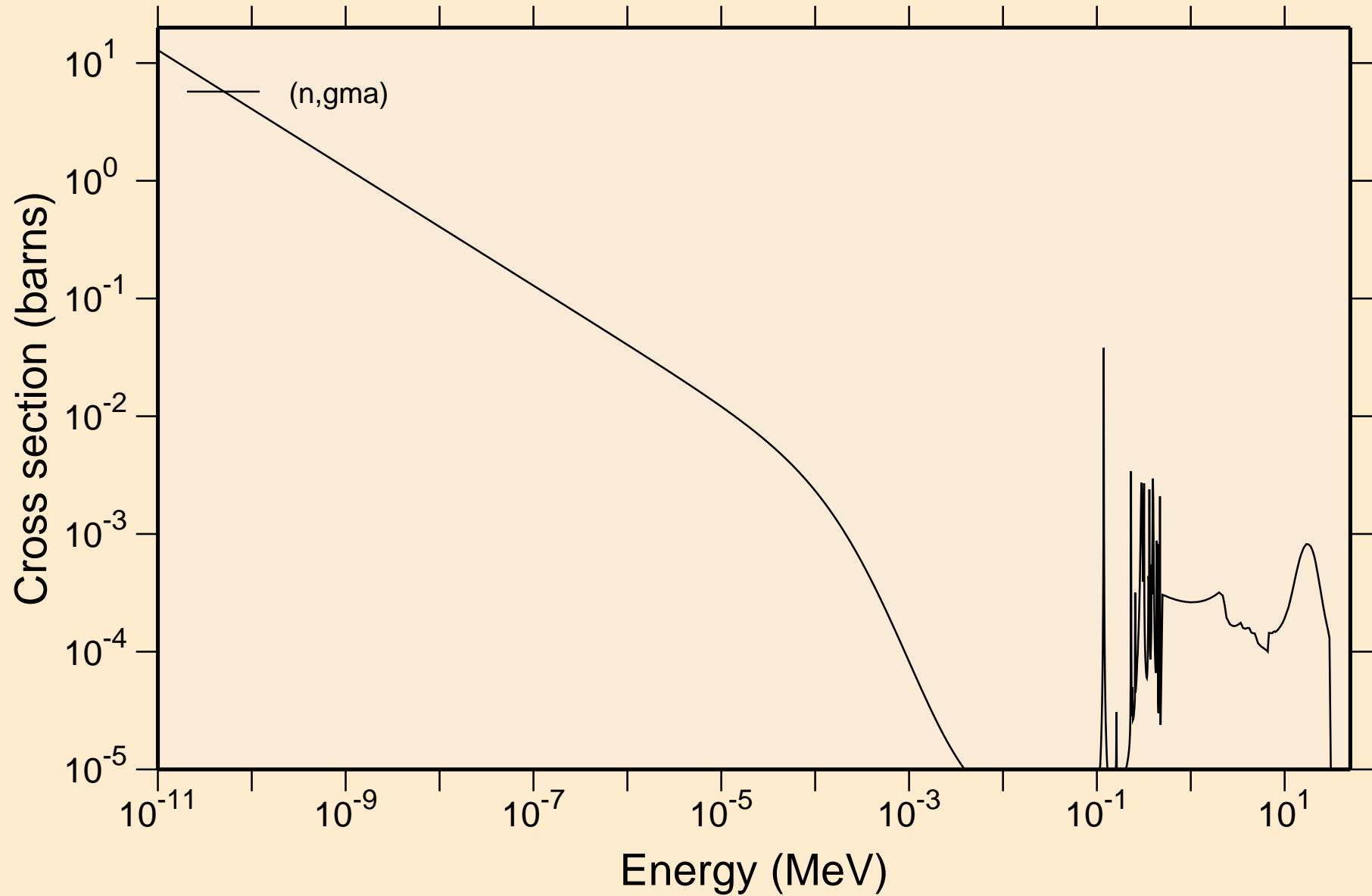
## Heating



S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

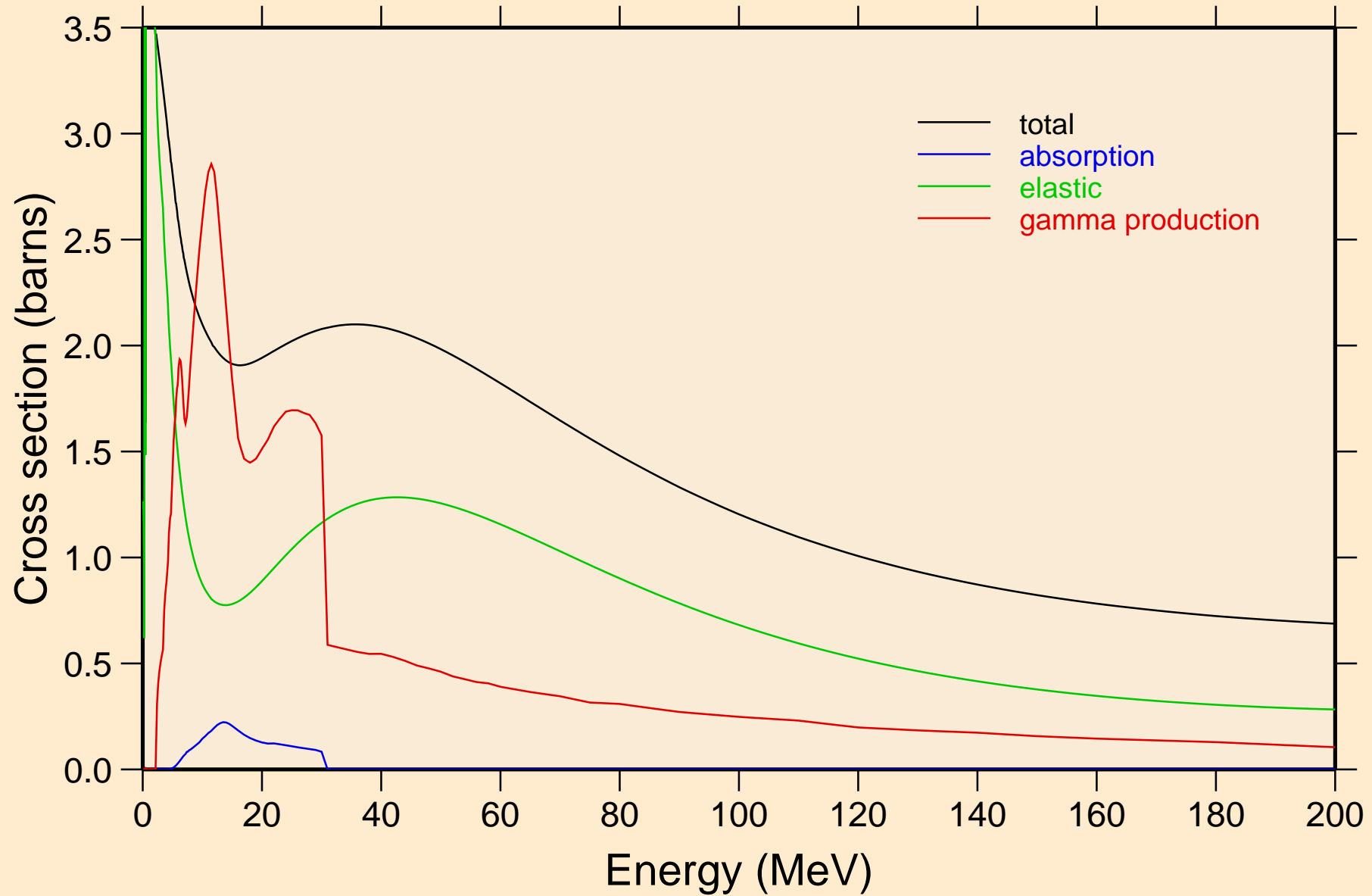


S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



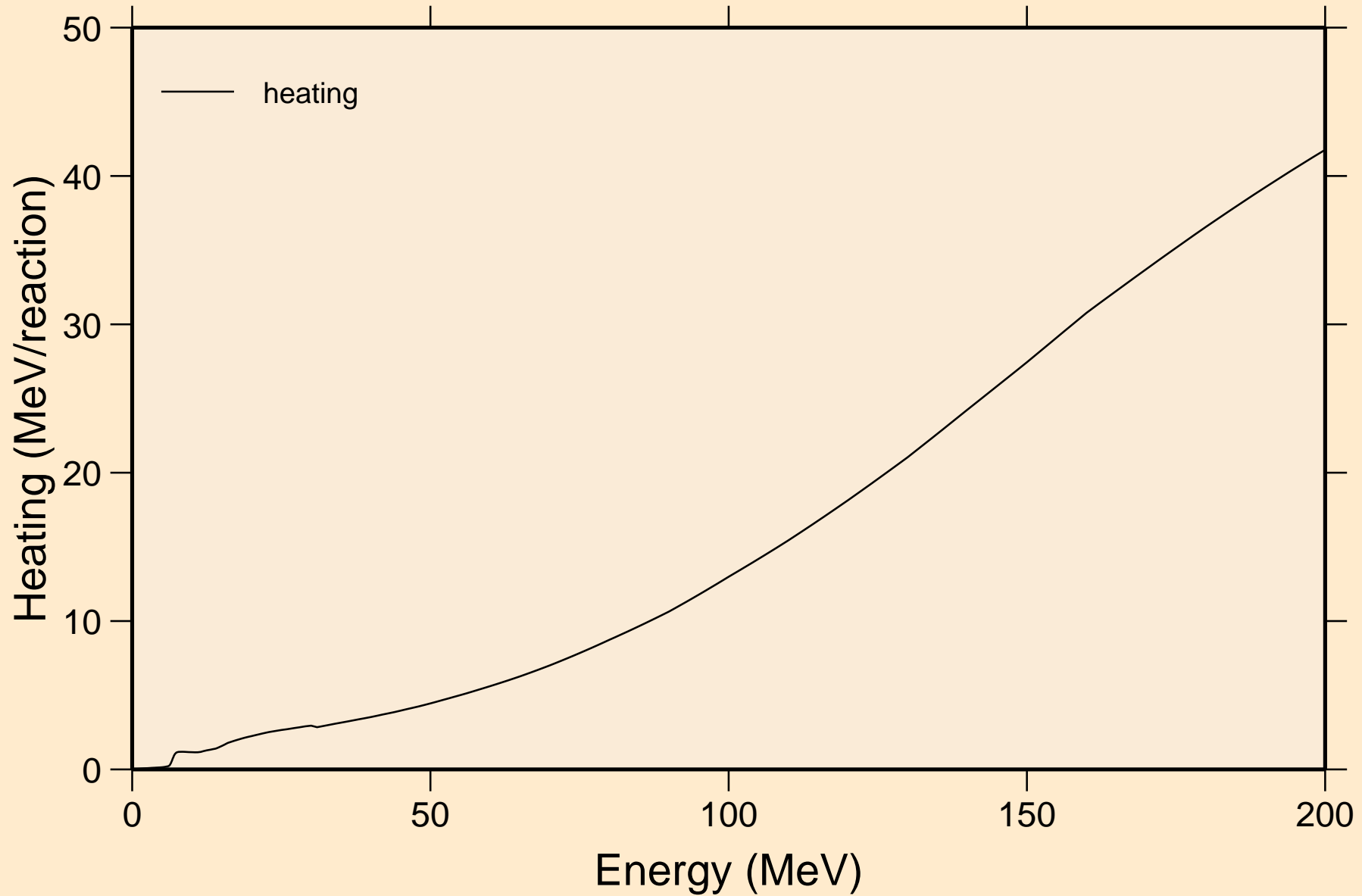


S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections



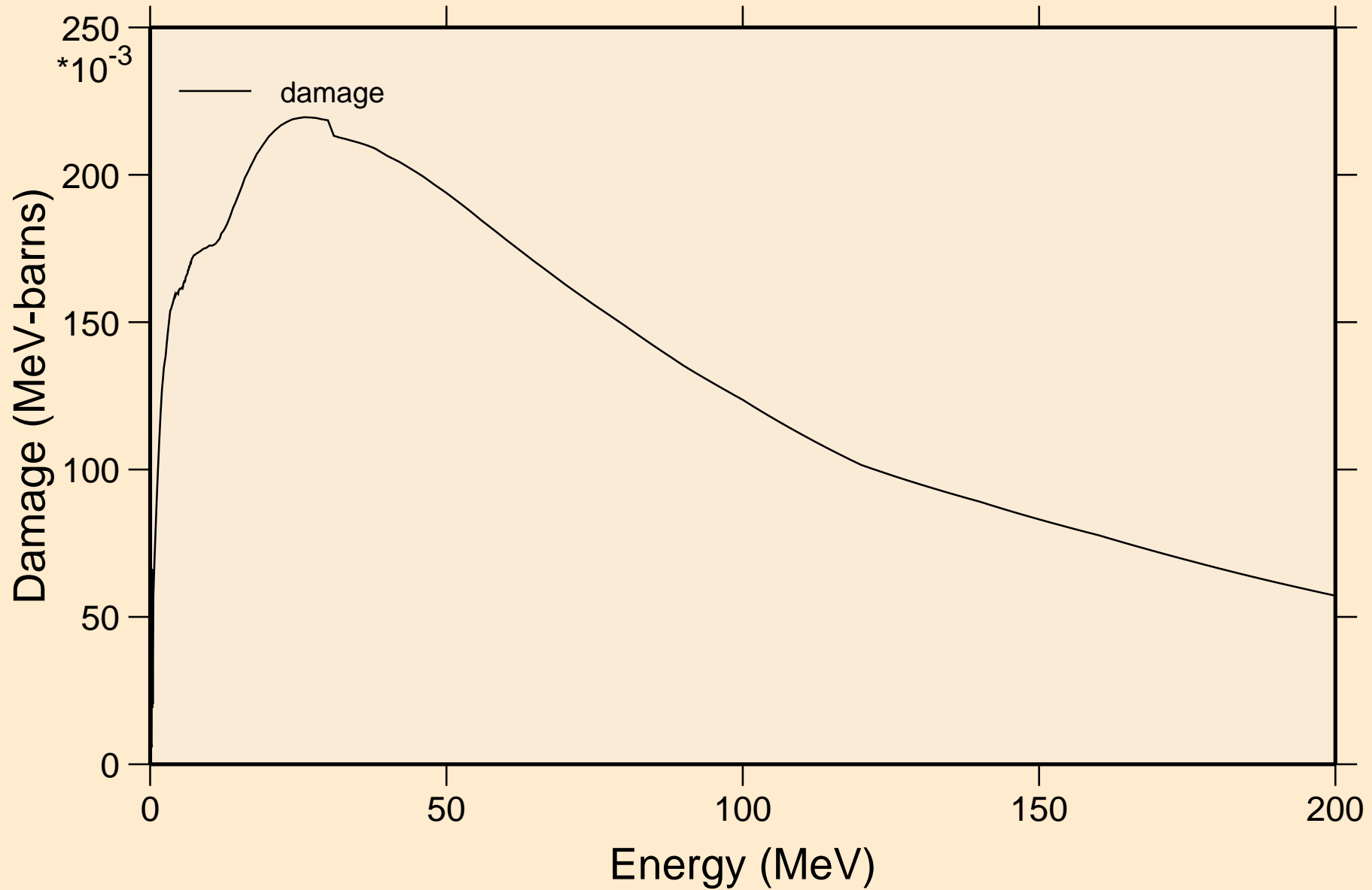
# S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Heating

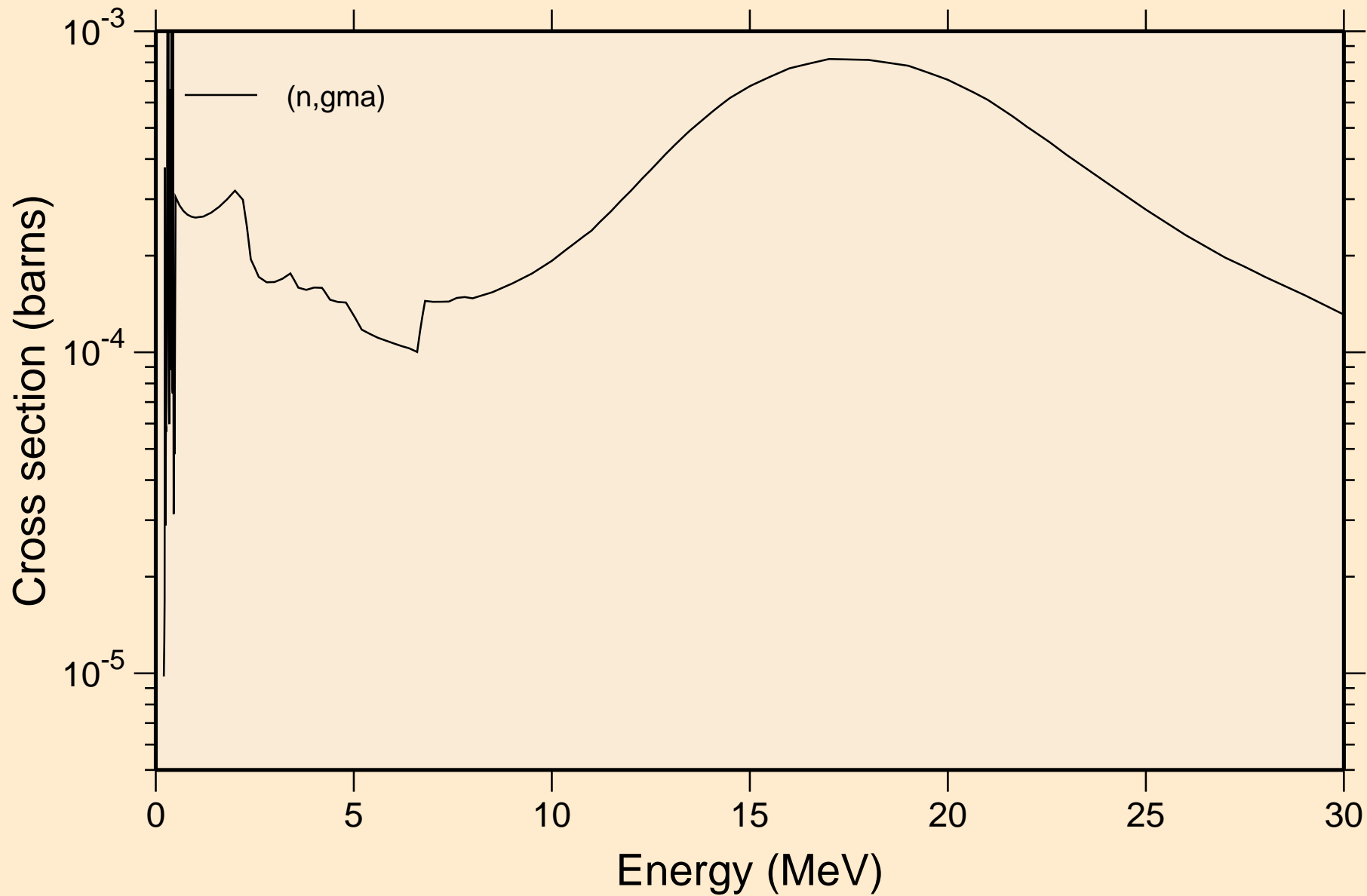


# S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

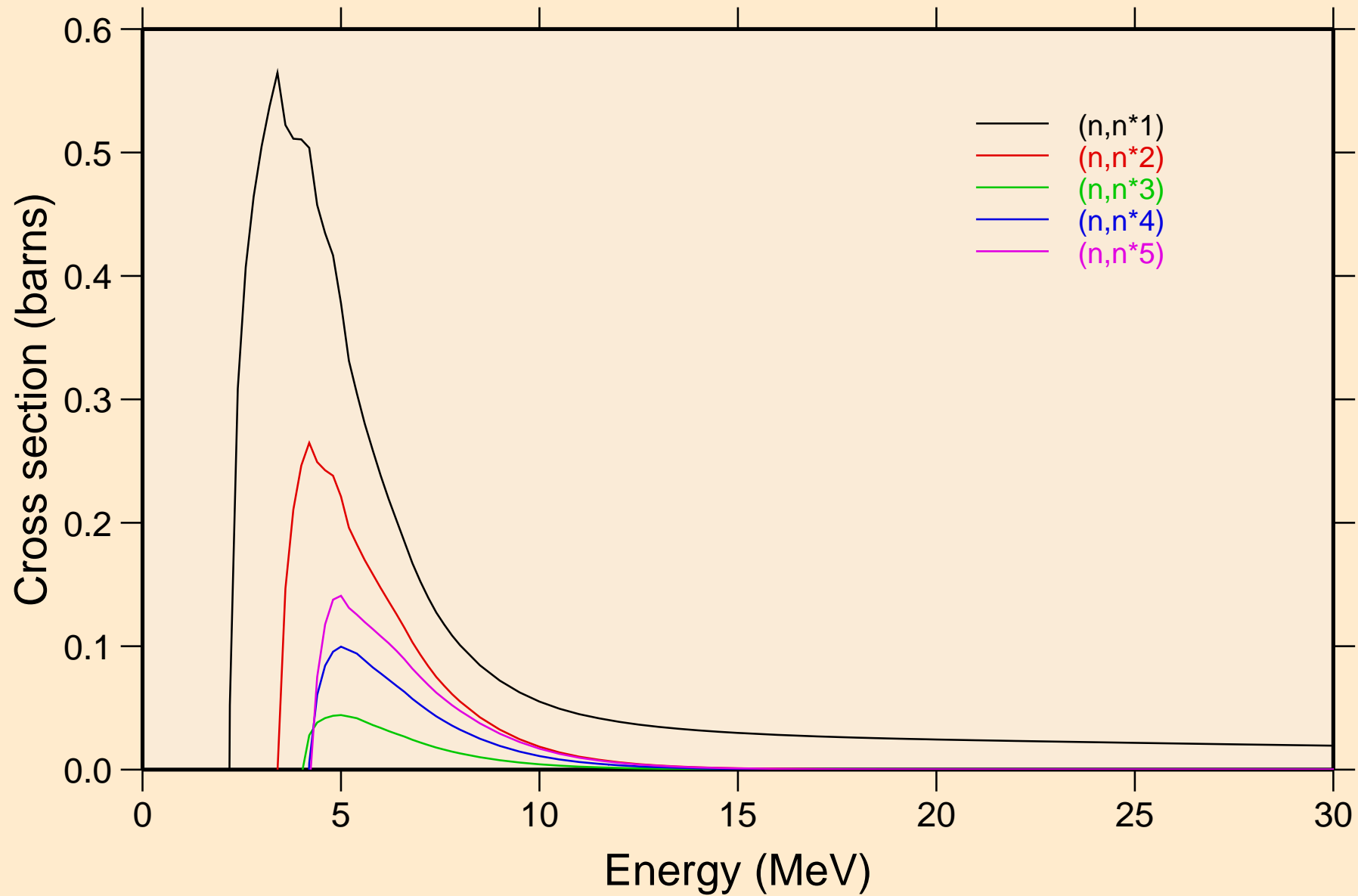
## Damage



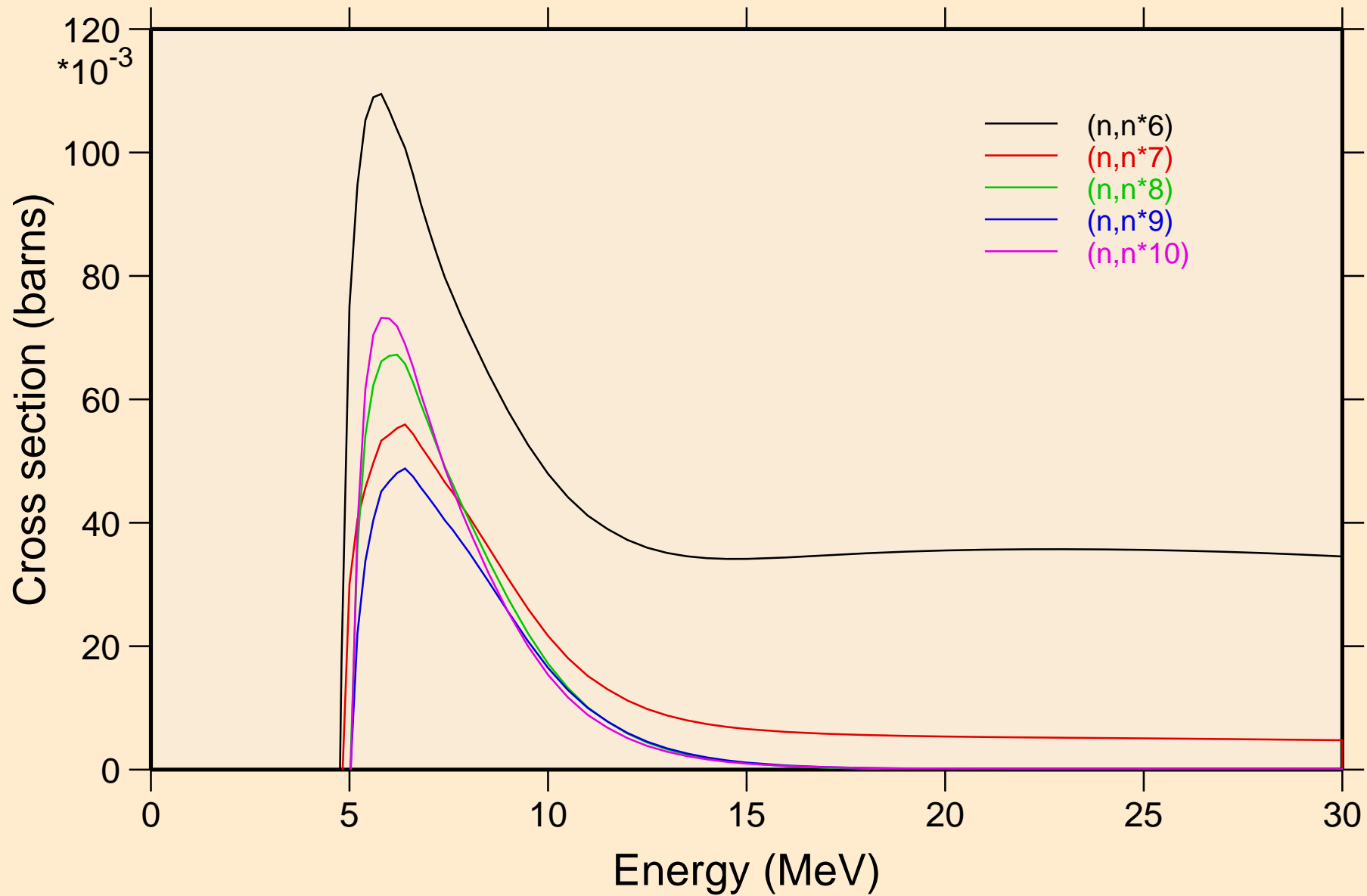
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



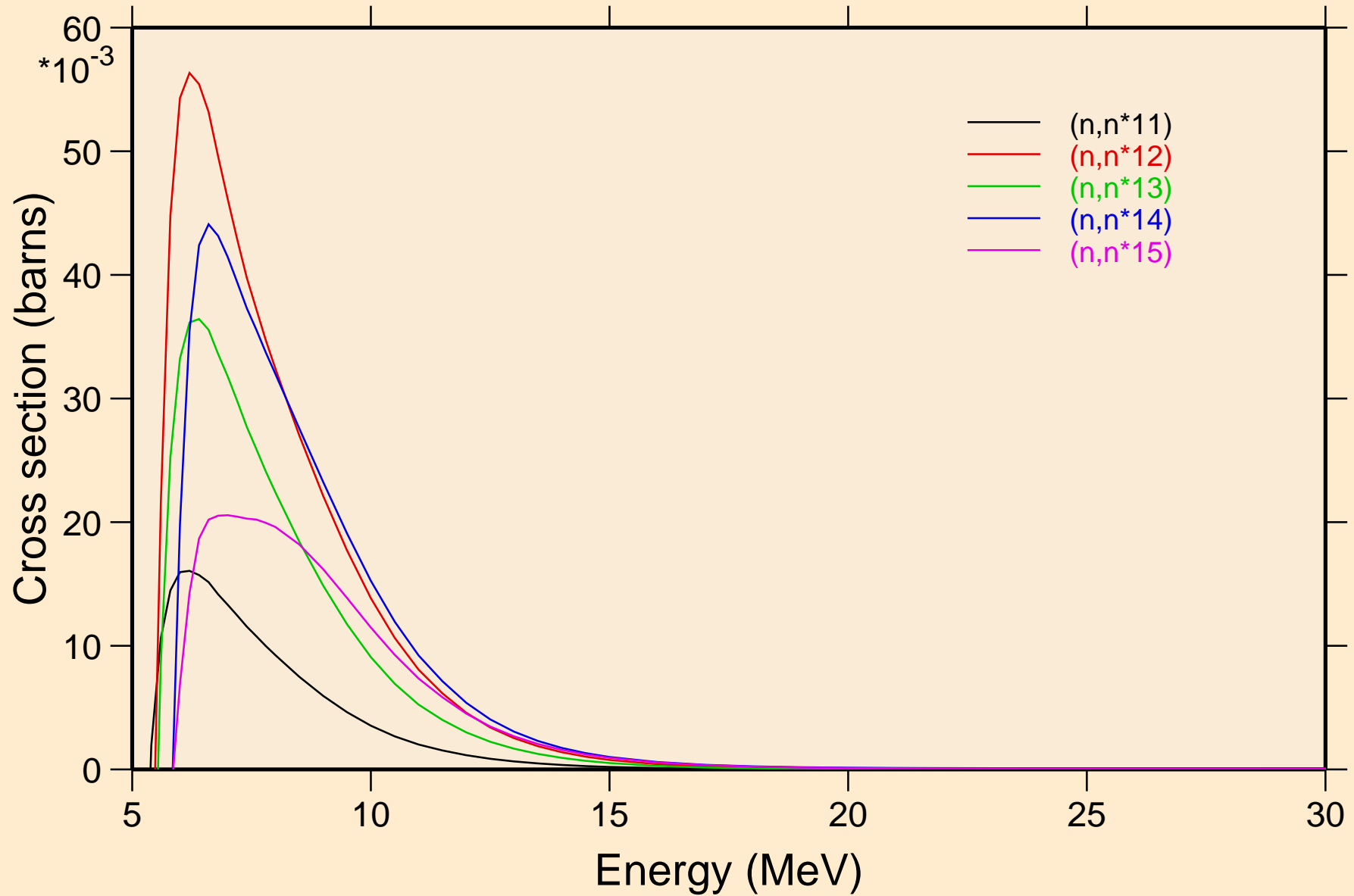
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



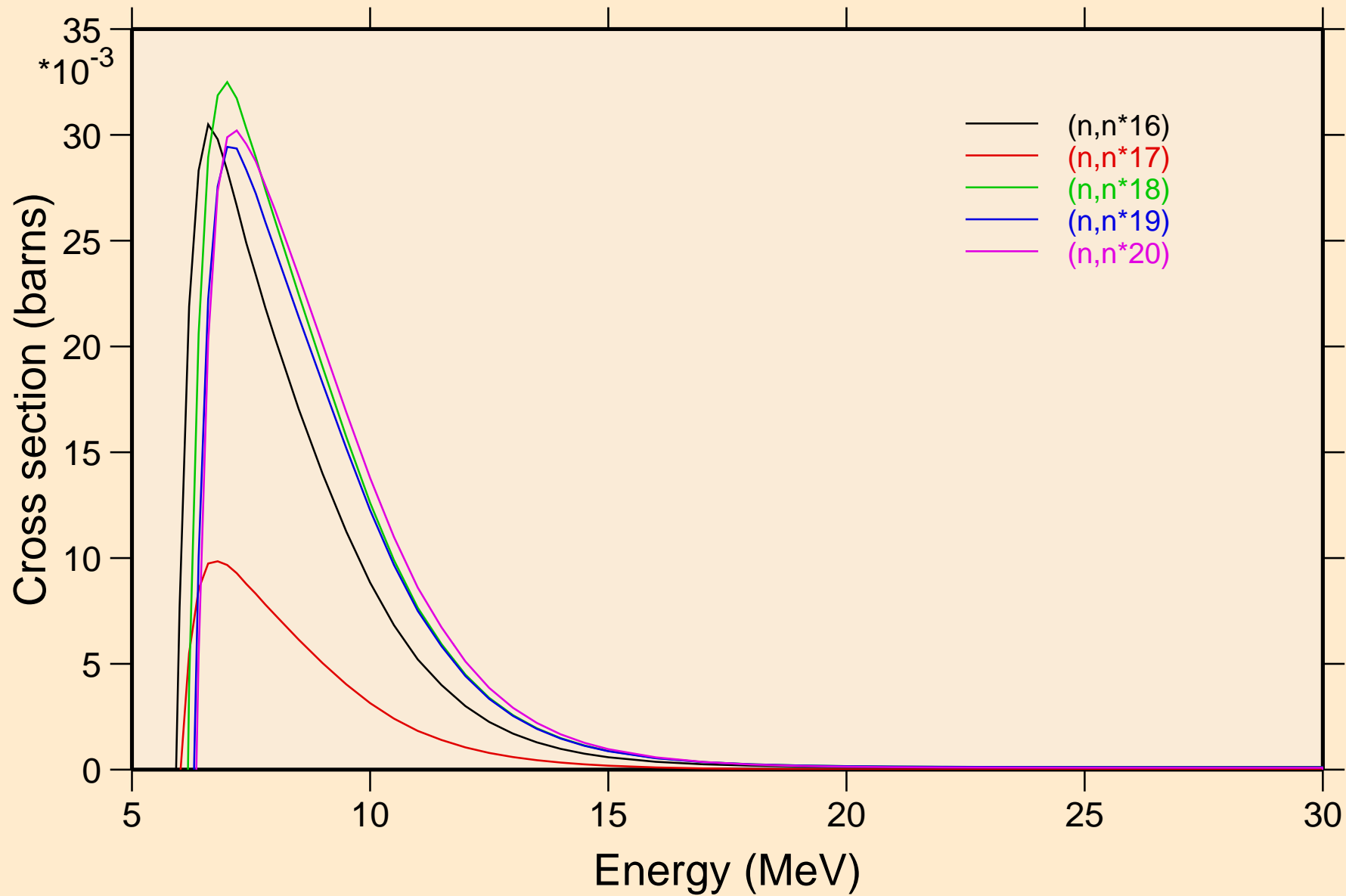
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

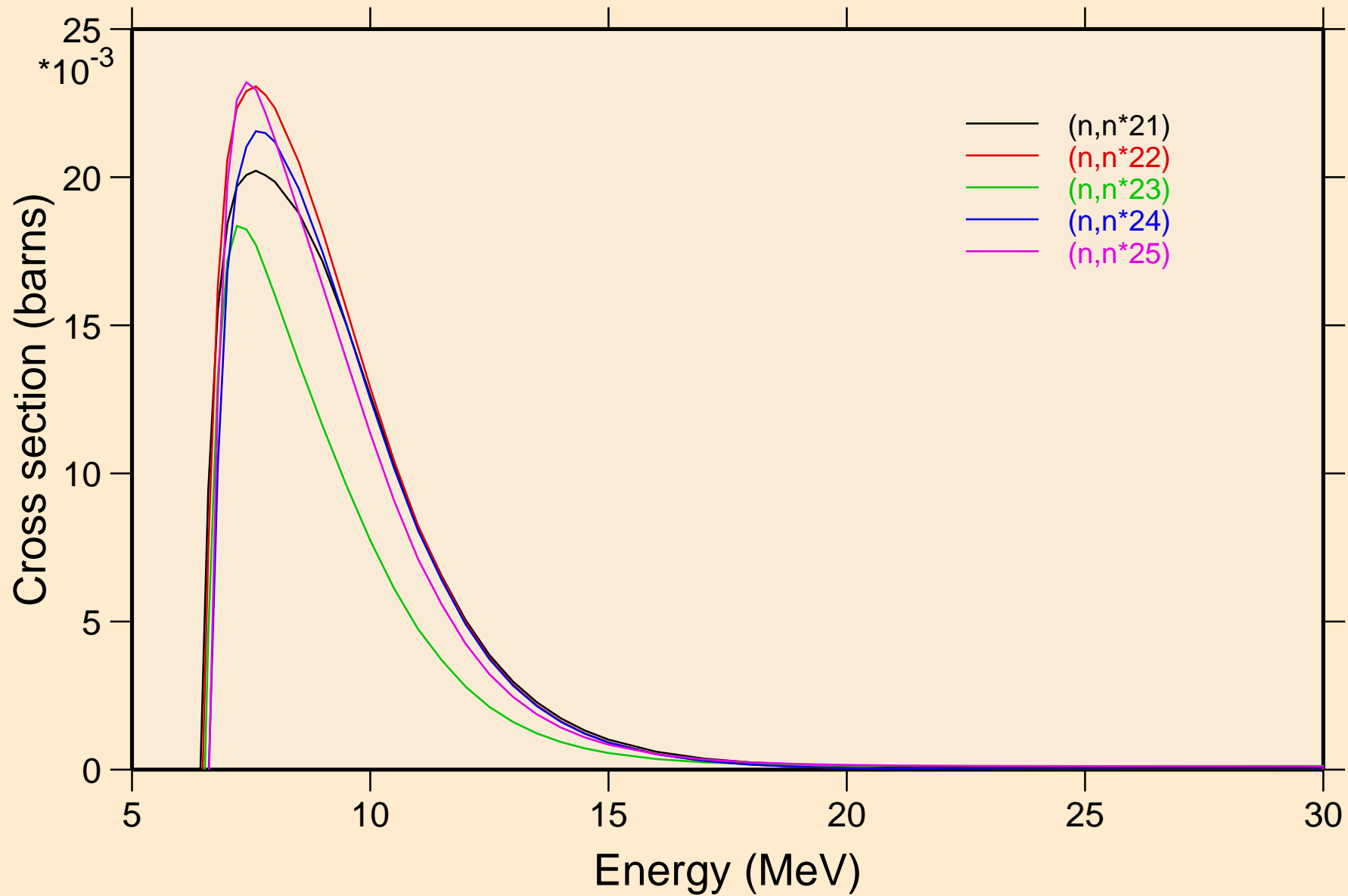


S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

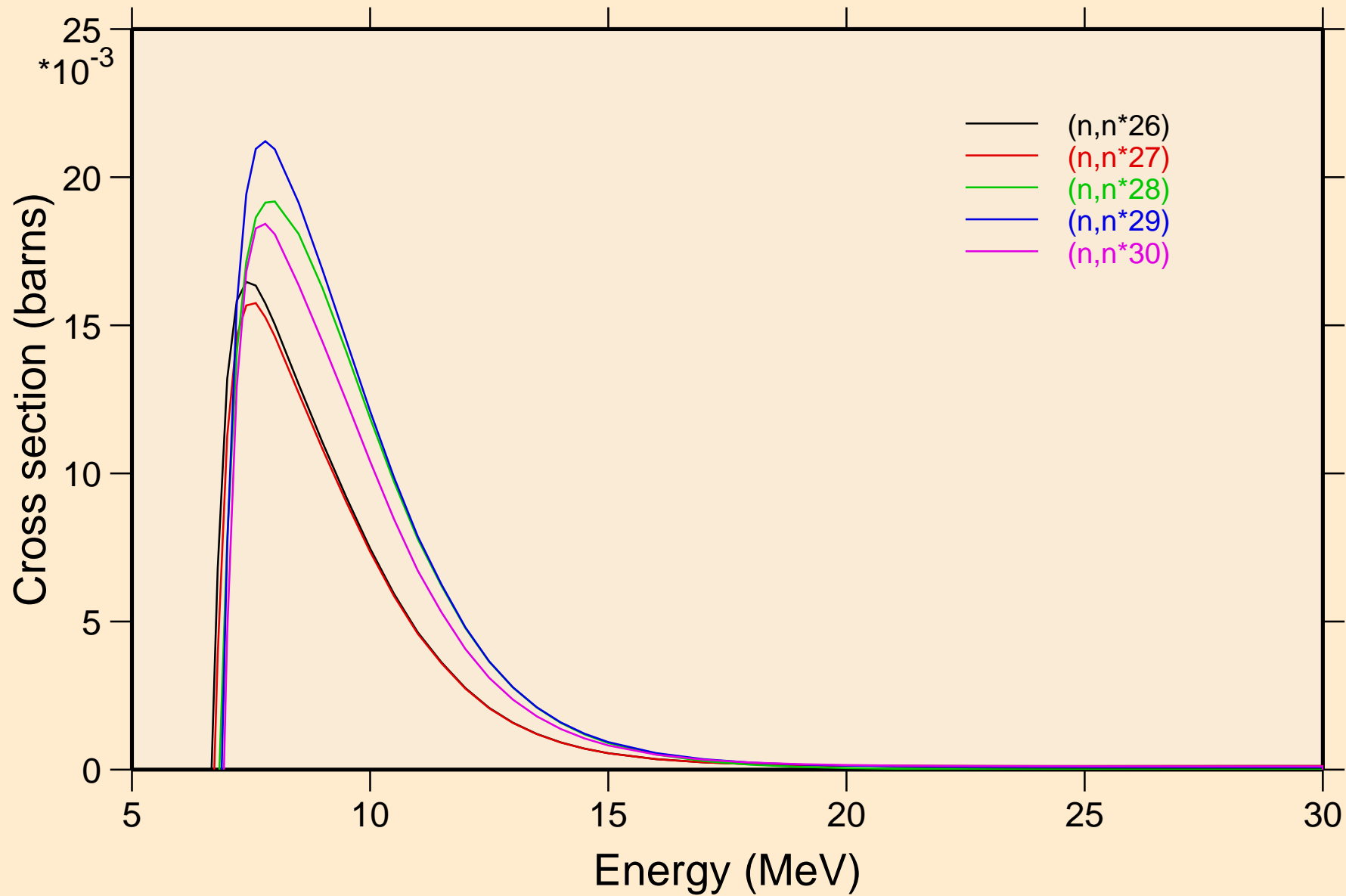




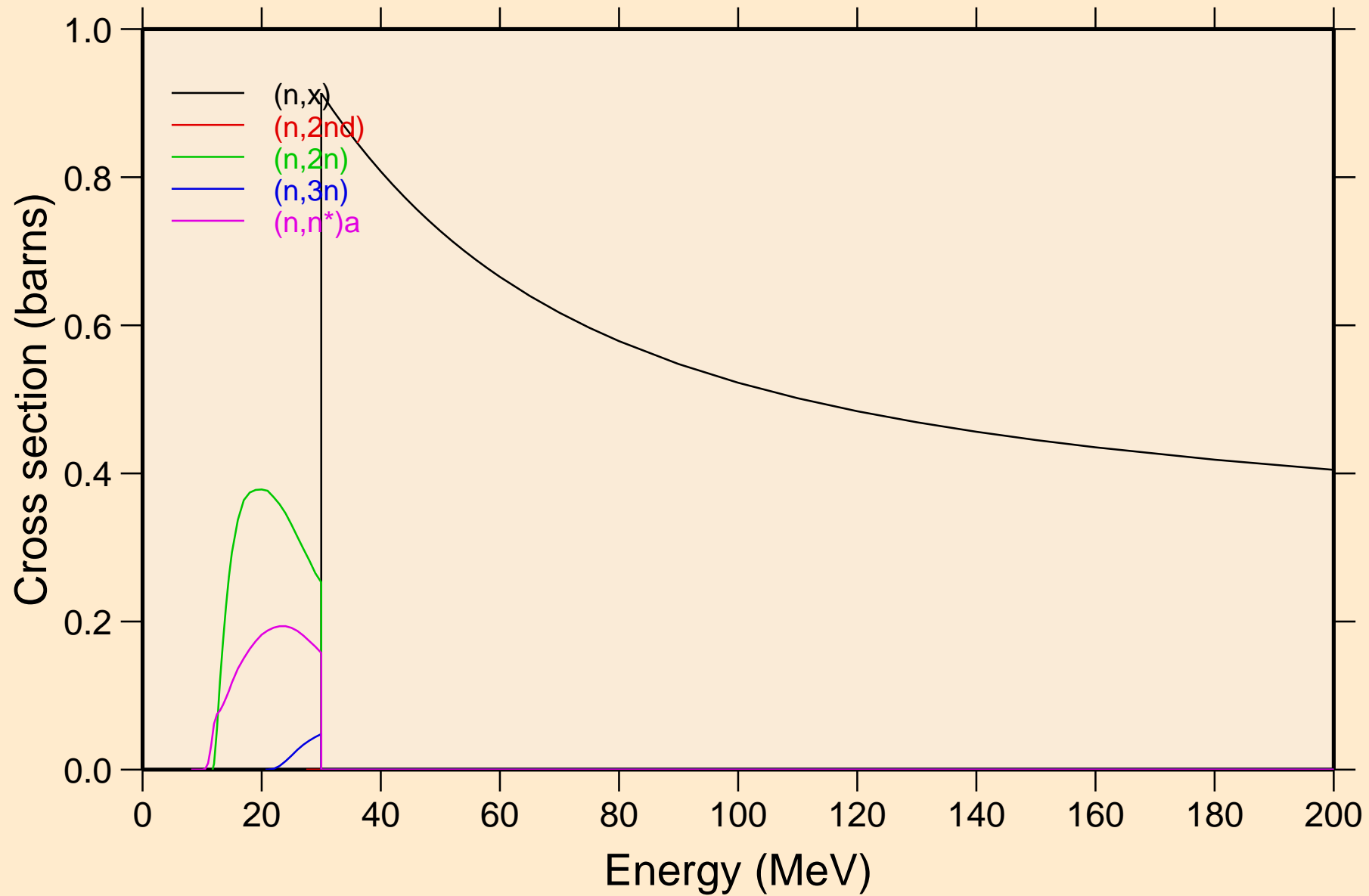
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

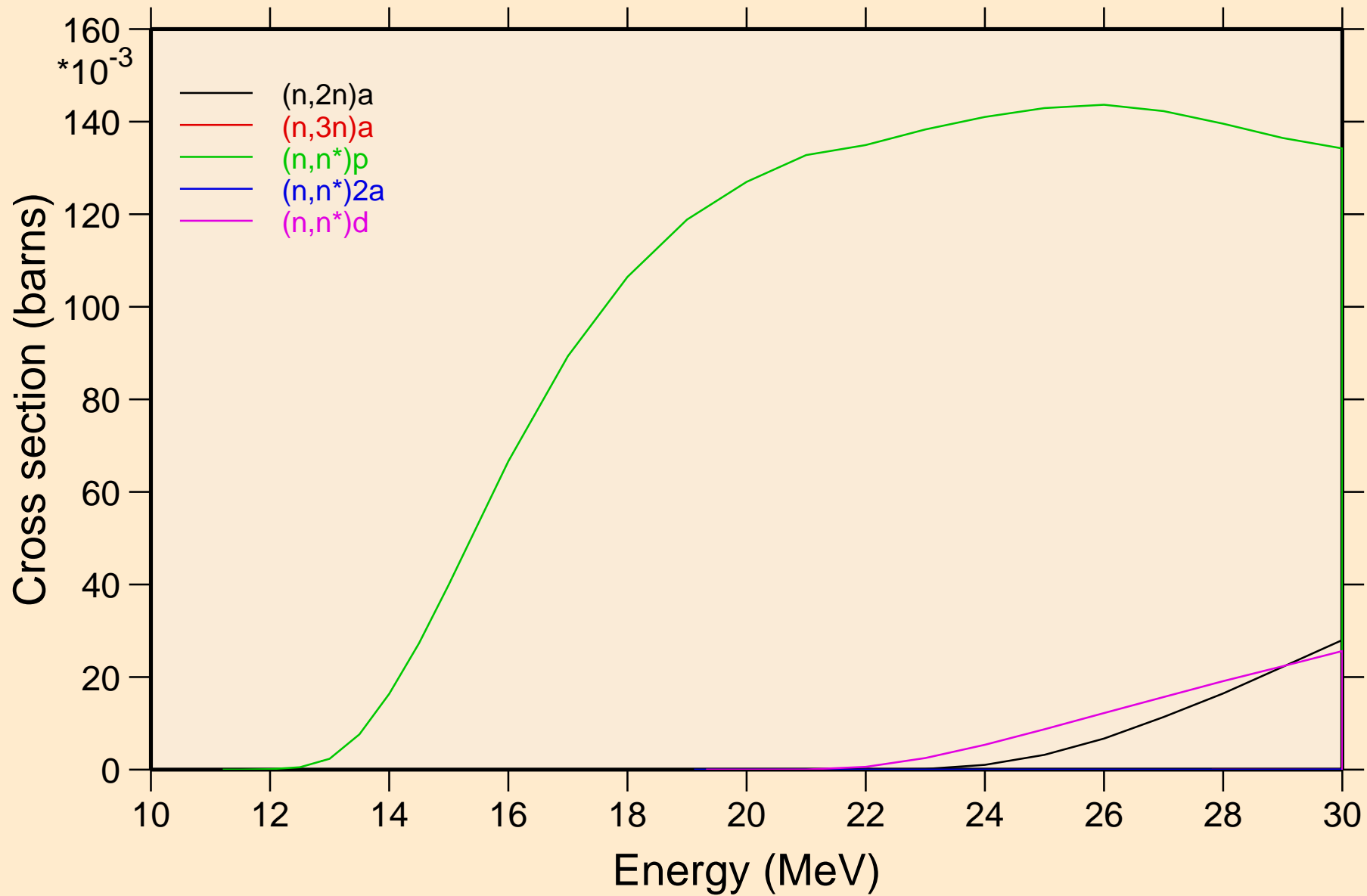


S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



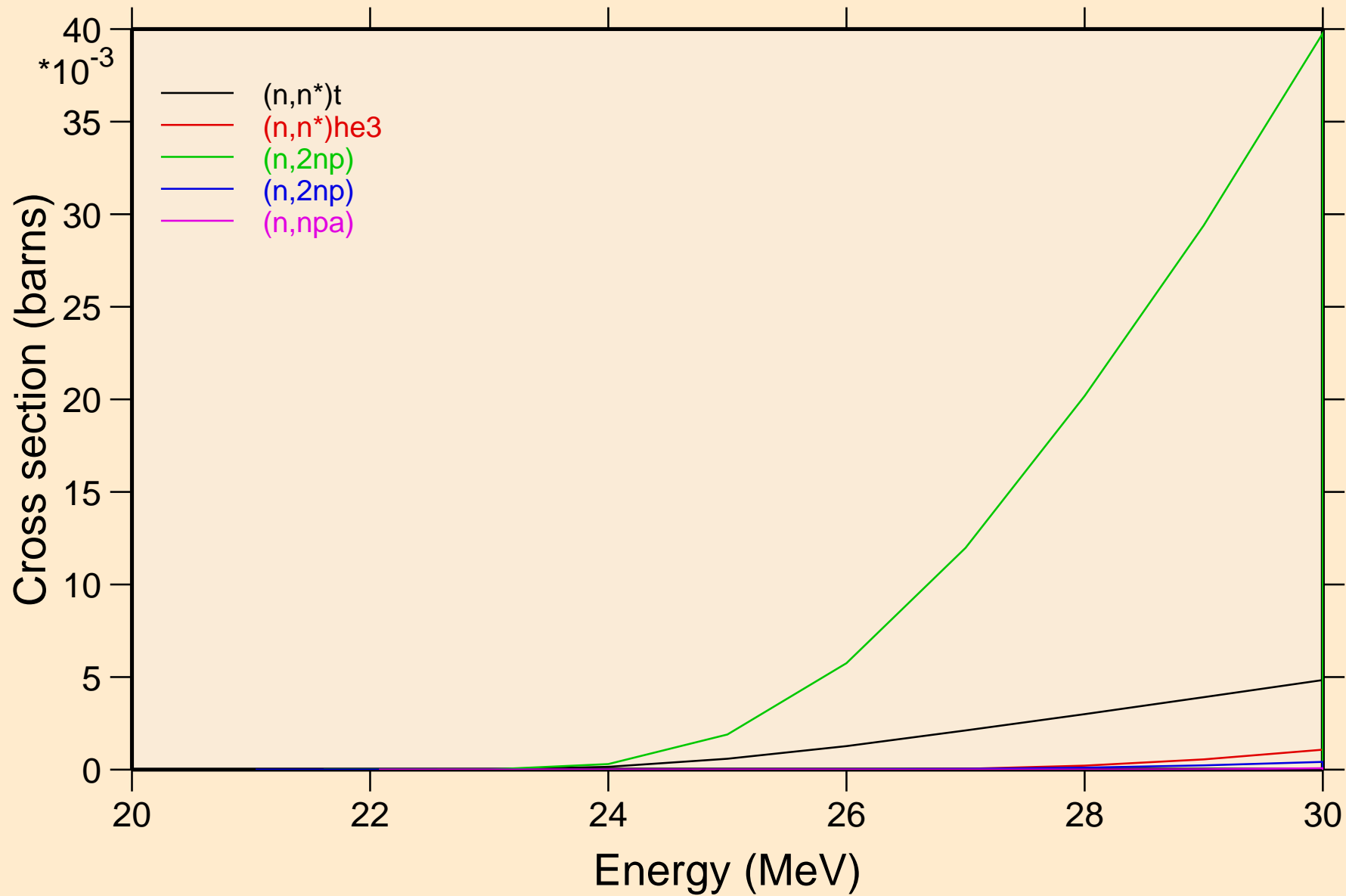
# S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Threshold reactions

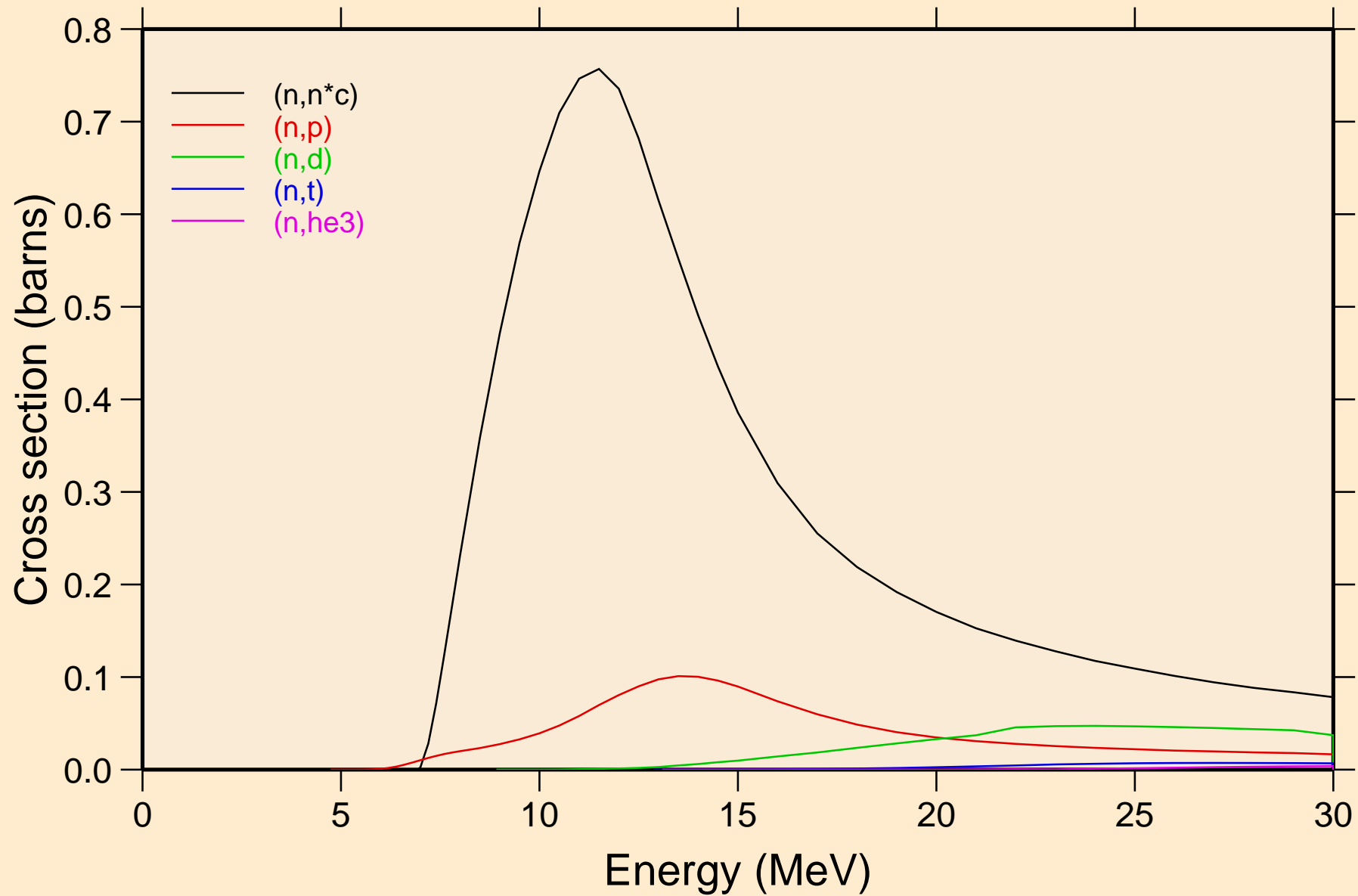


# S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

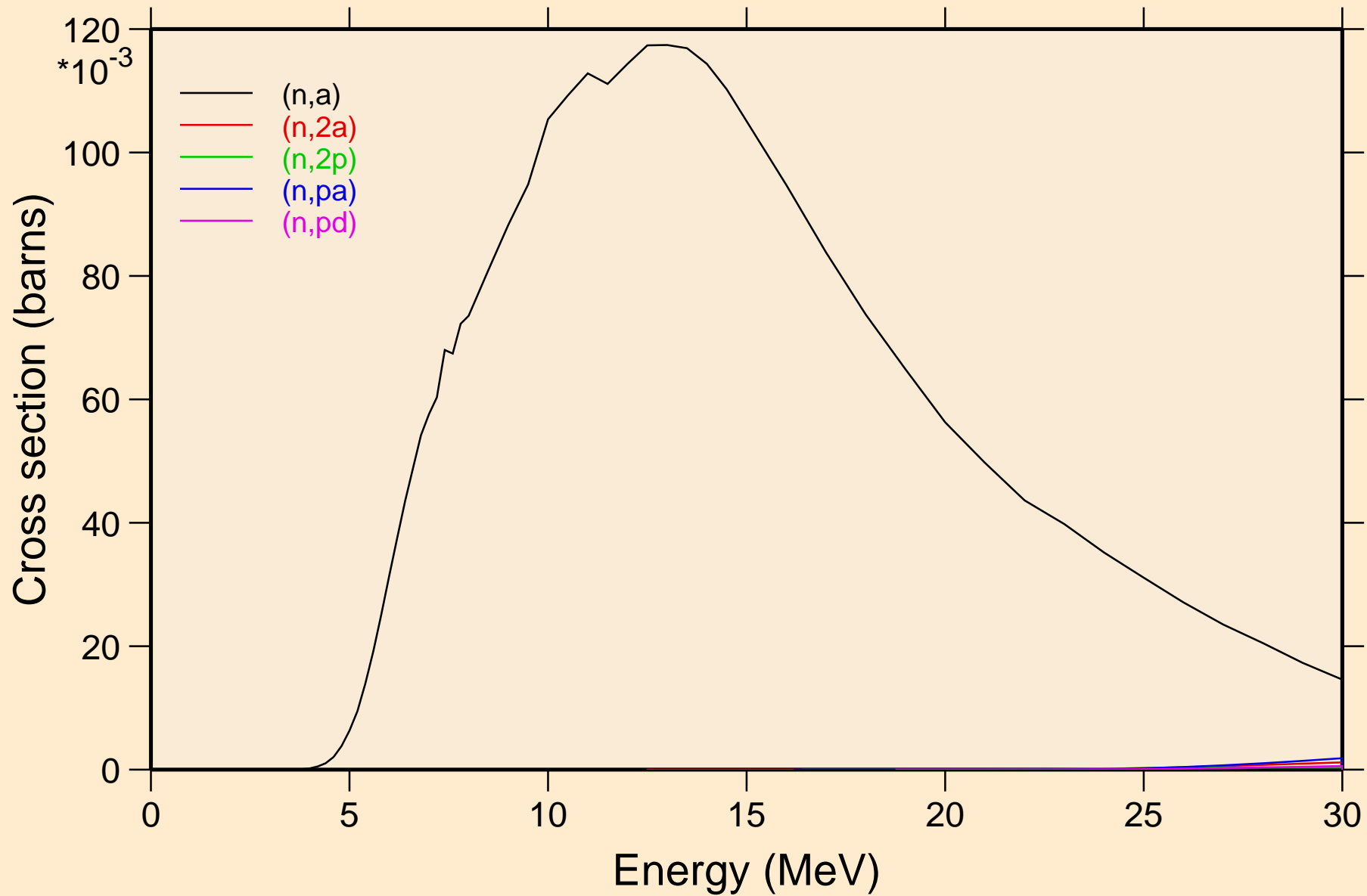
## Threshold reactions



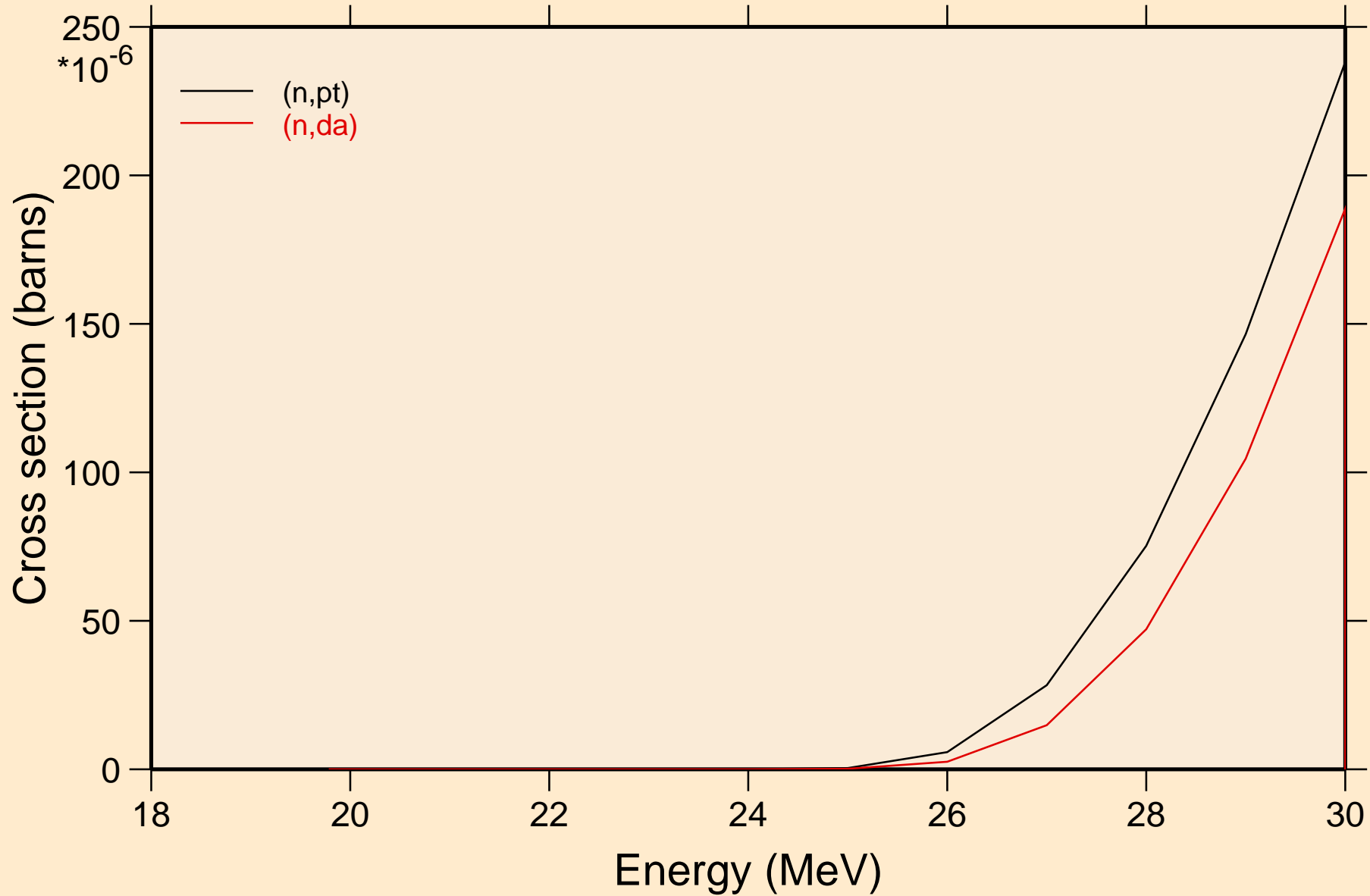
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

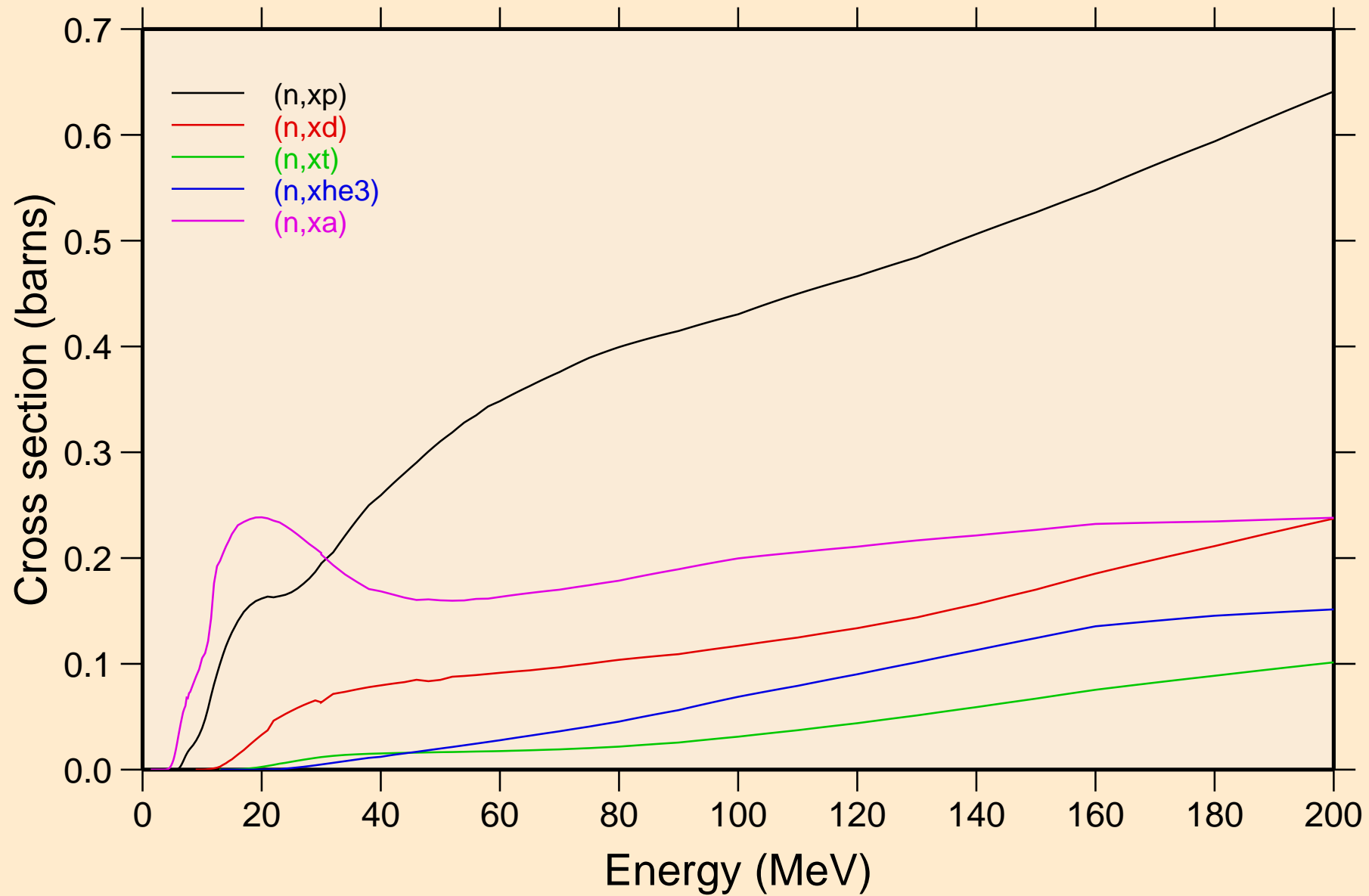


S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

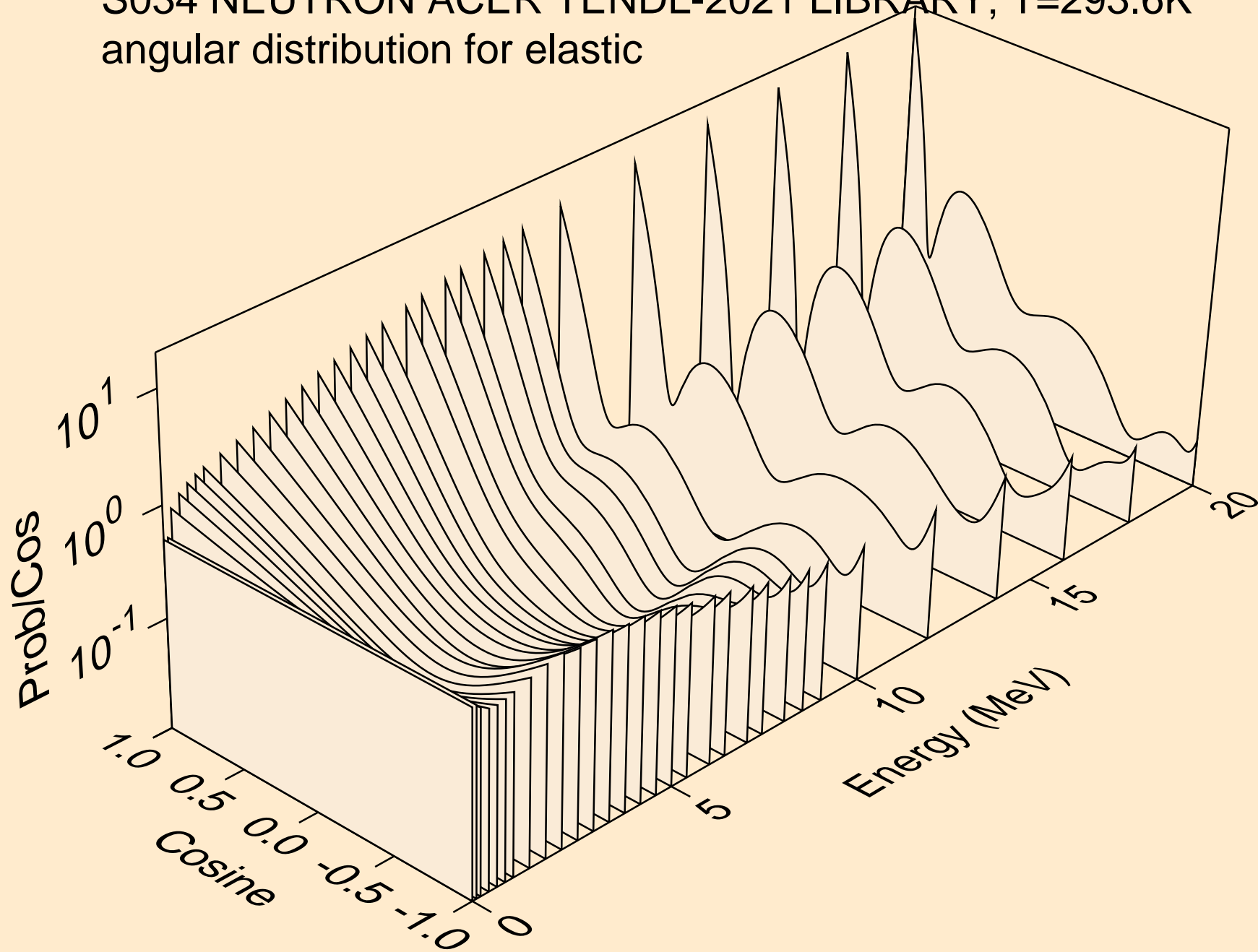




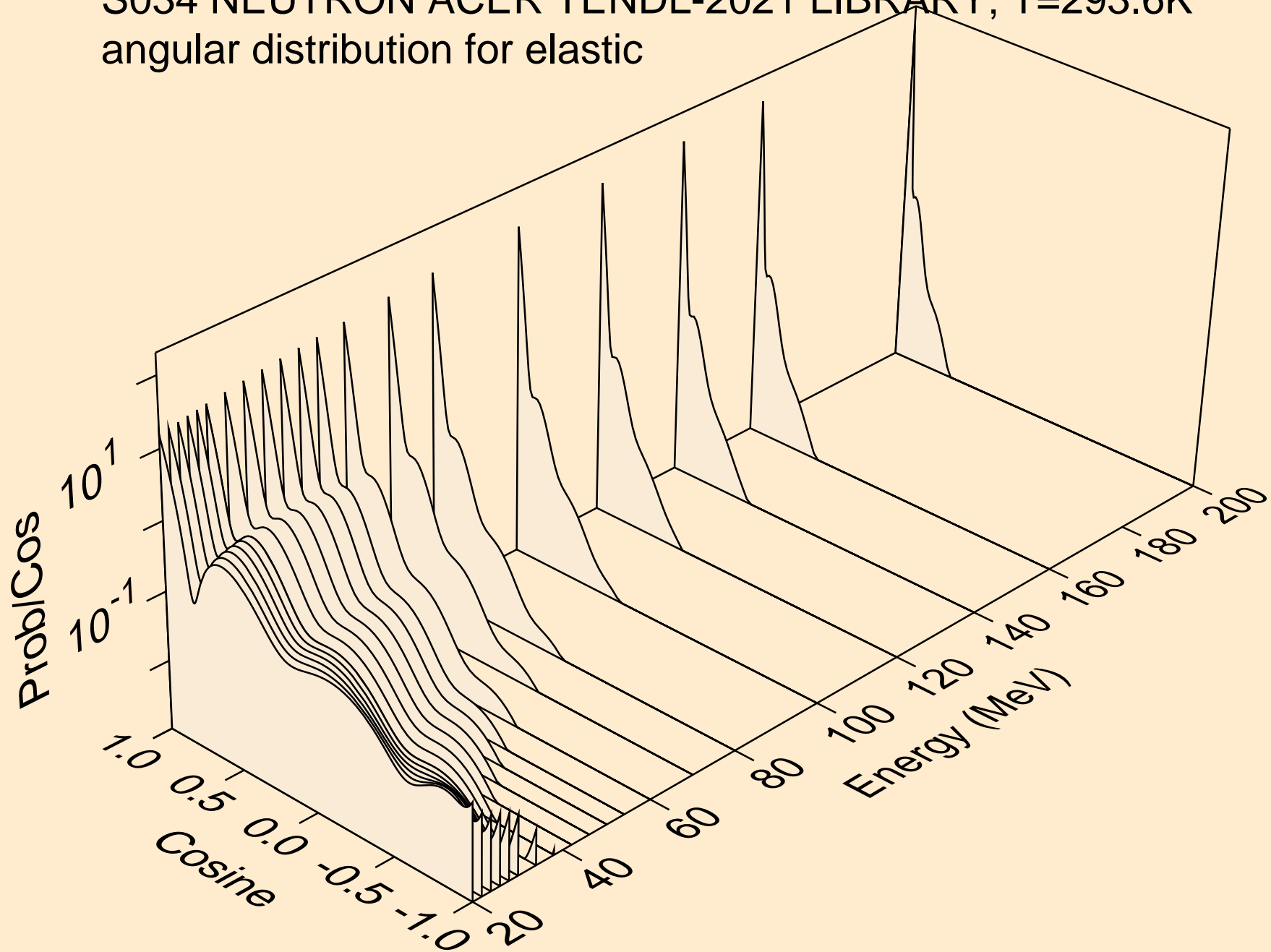
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



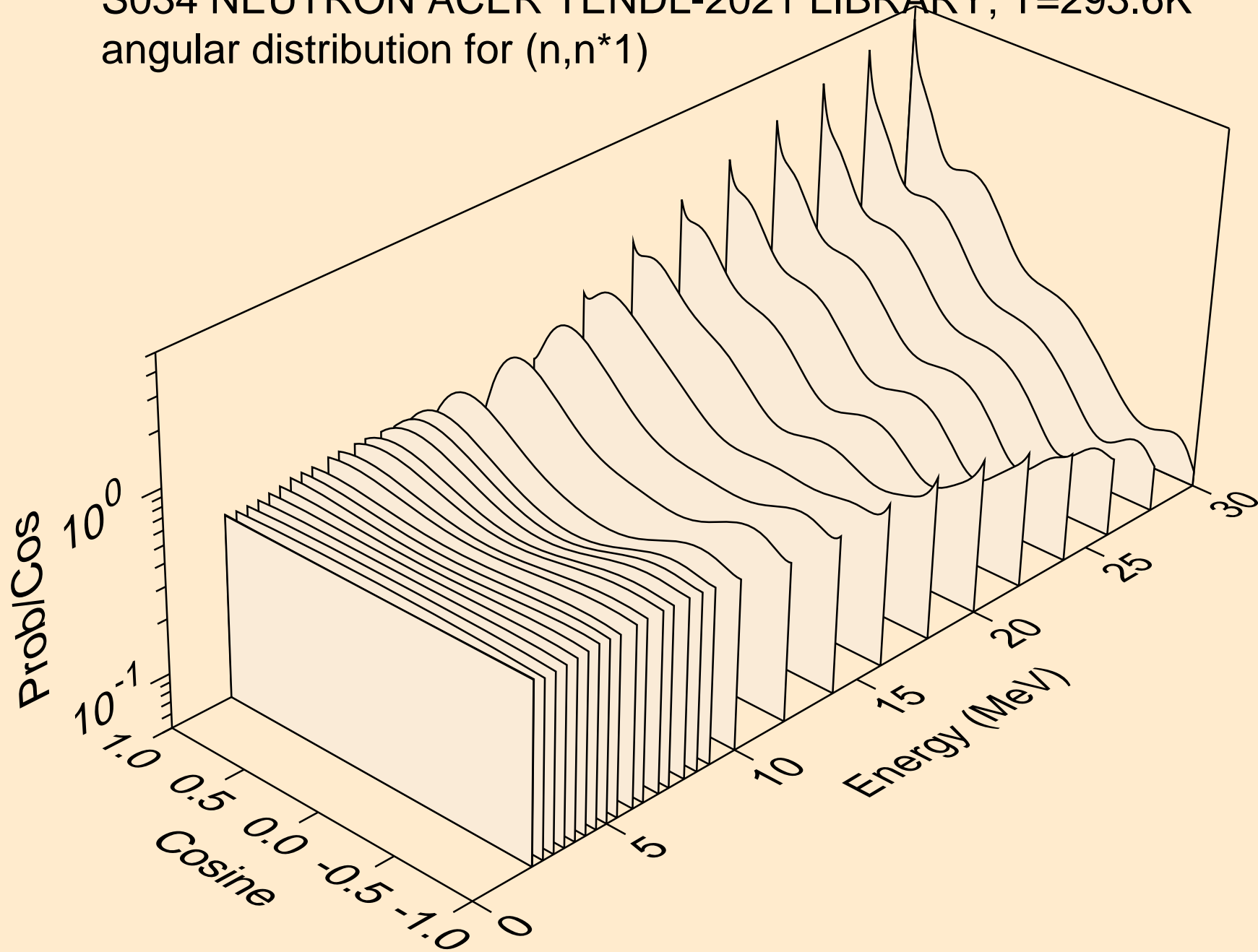
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



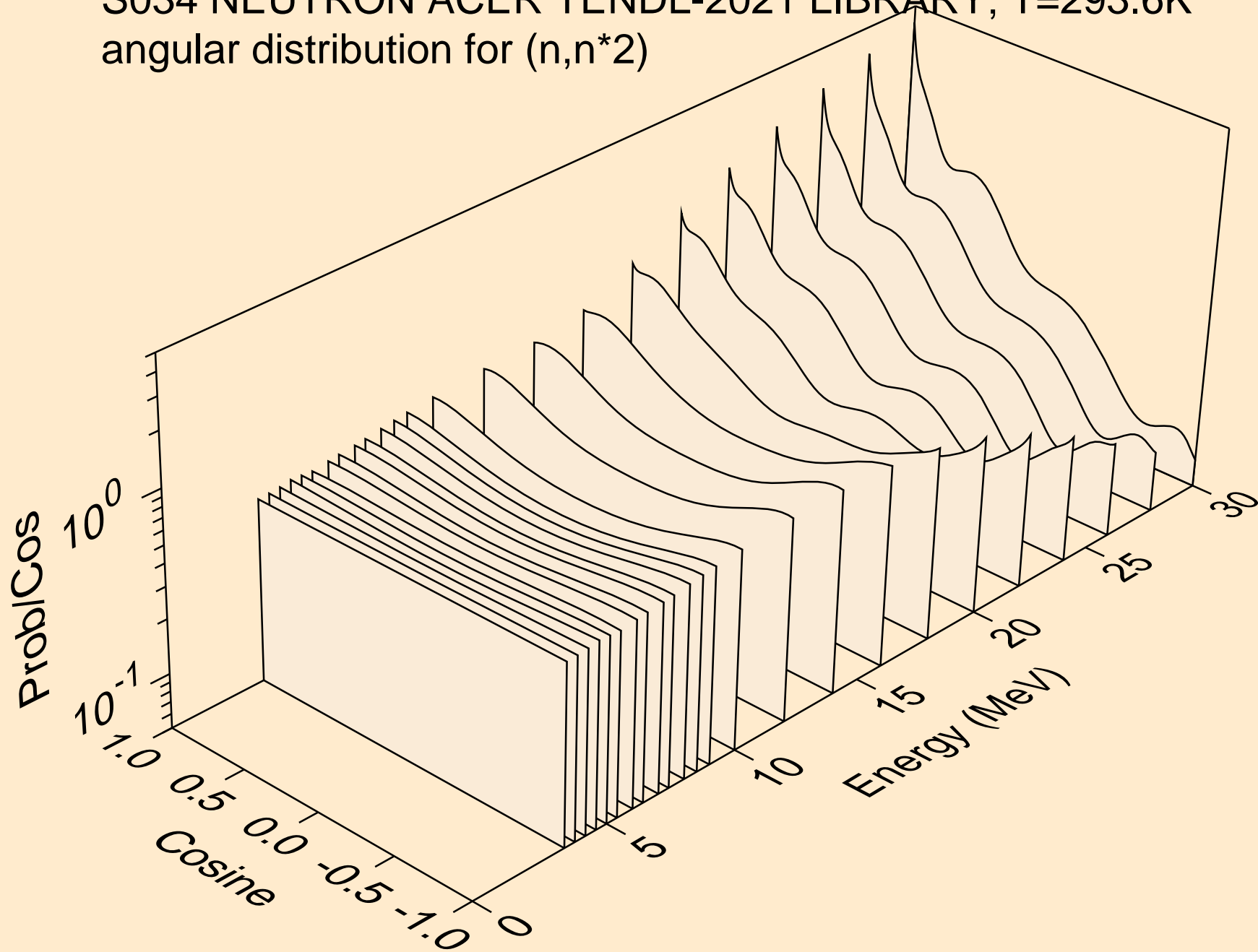
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



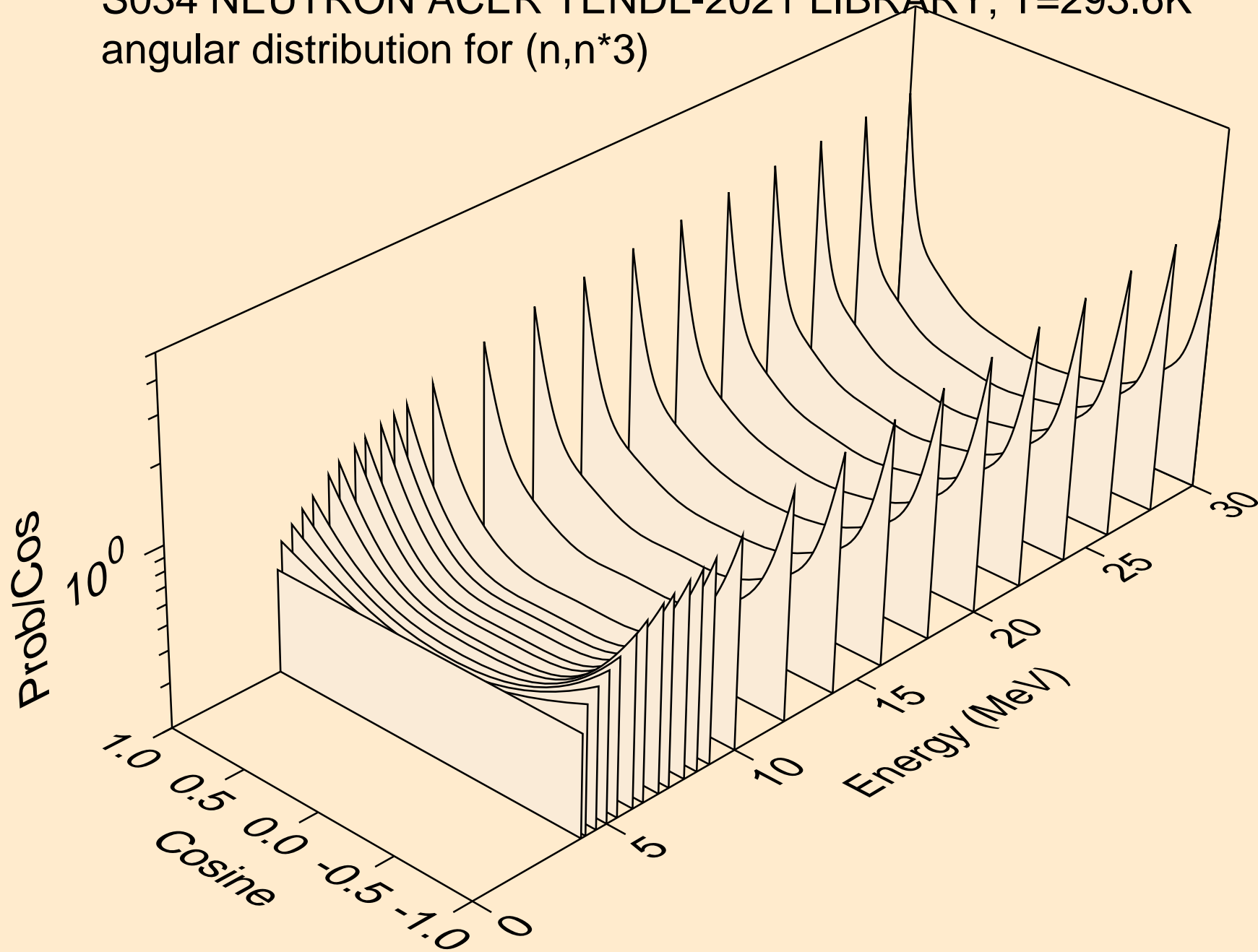
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



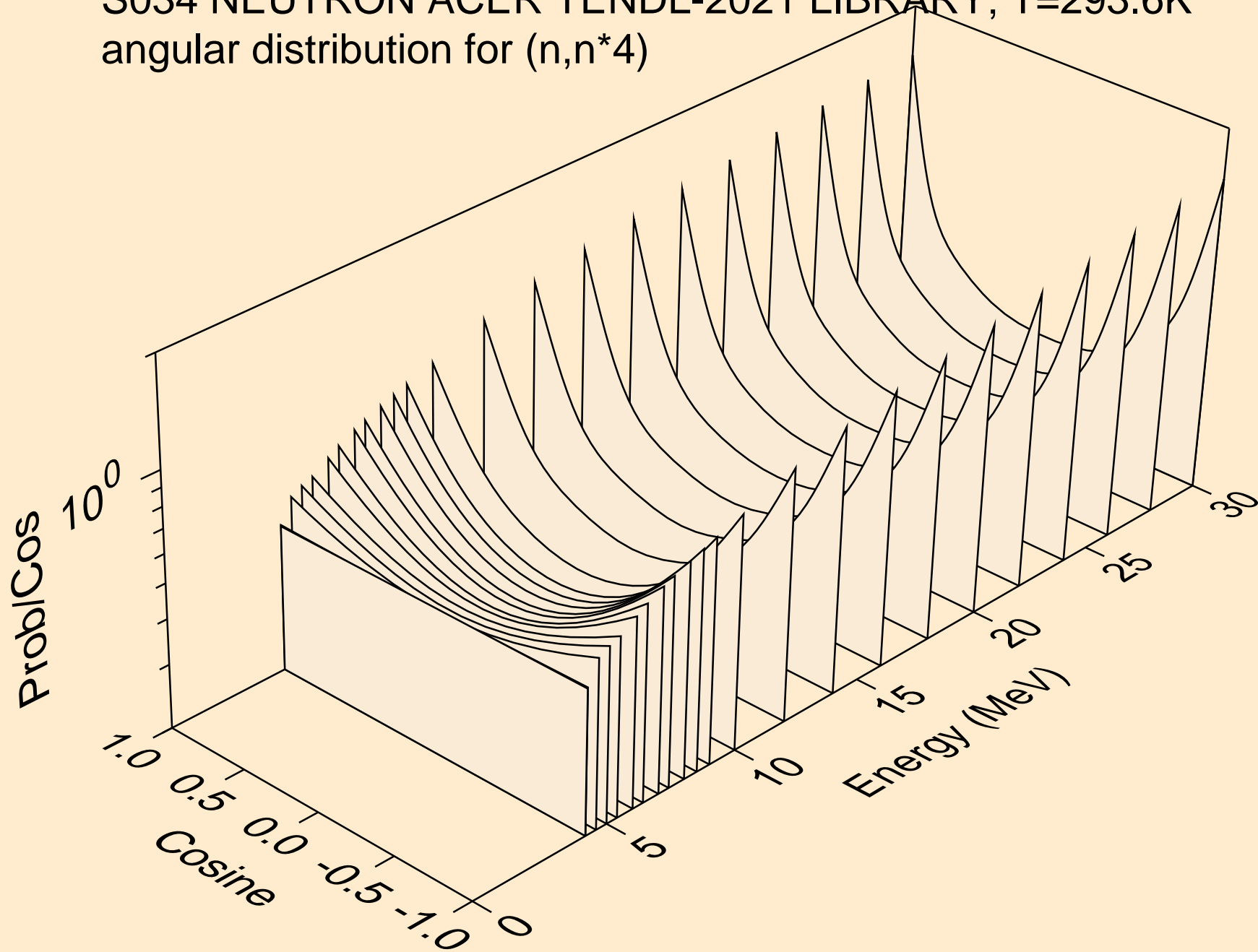
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angular distribution for (n,n\*2)



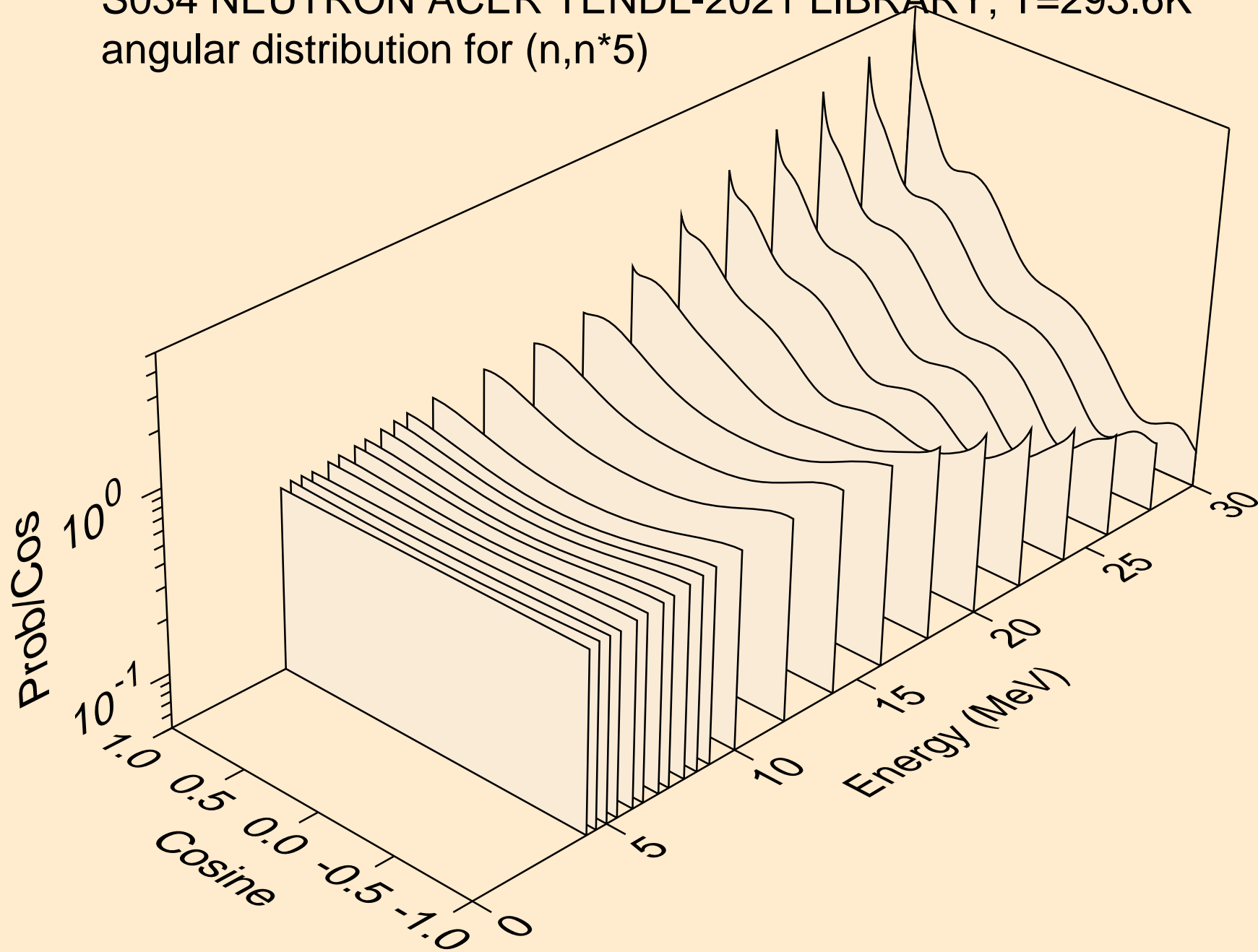
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)



S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*4)

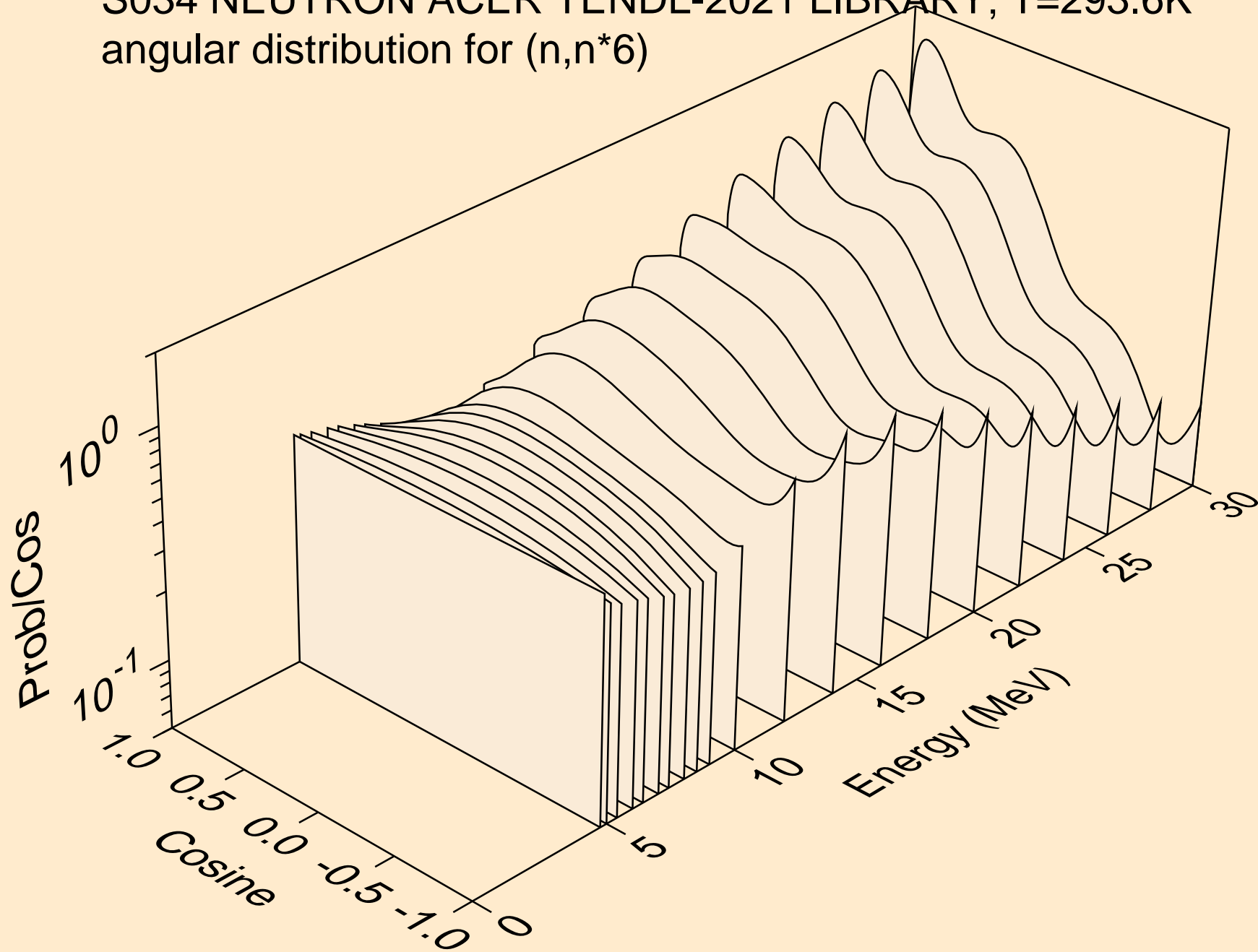


S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)

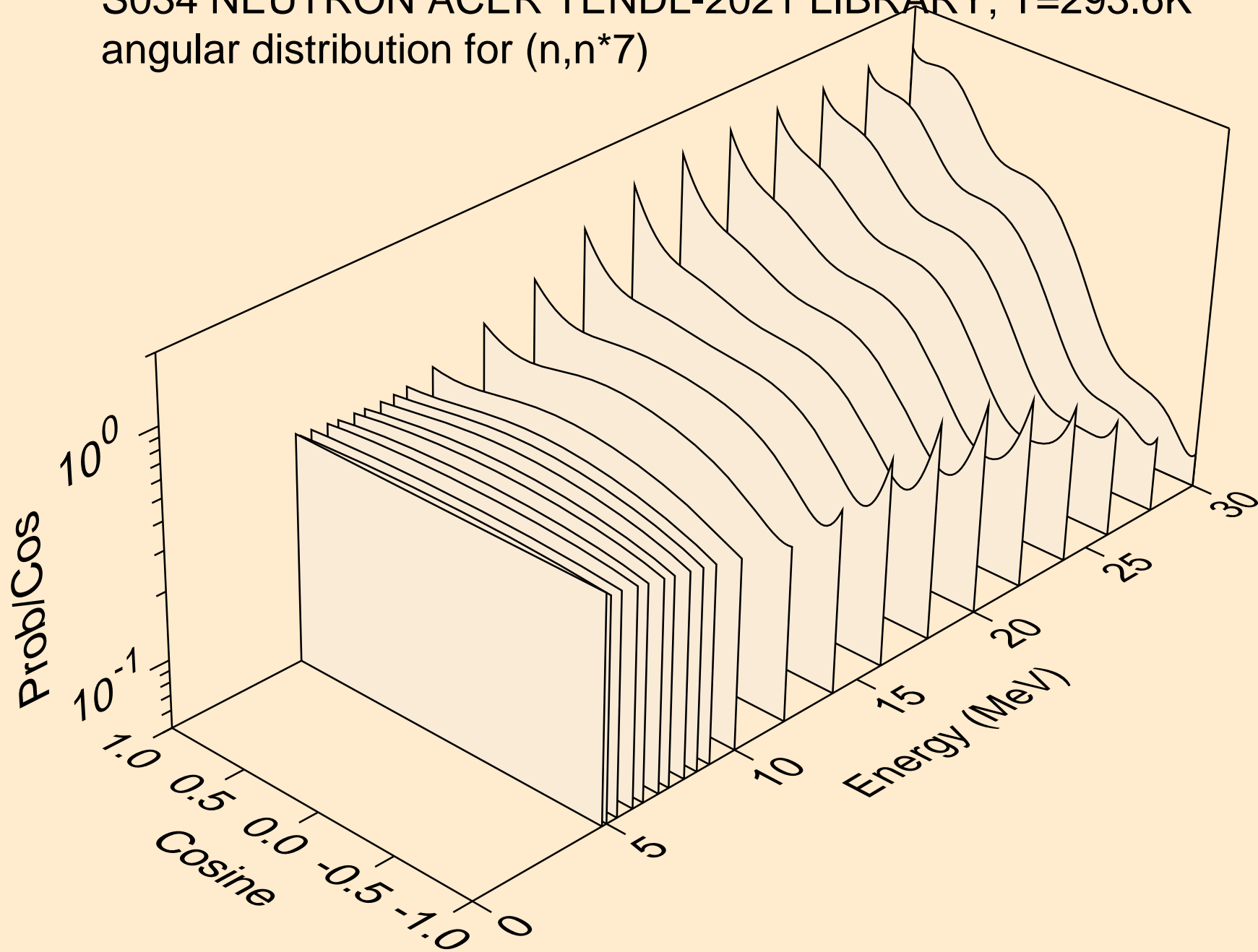




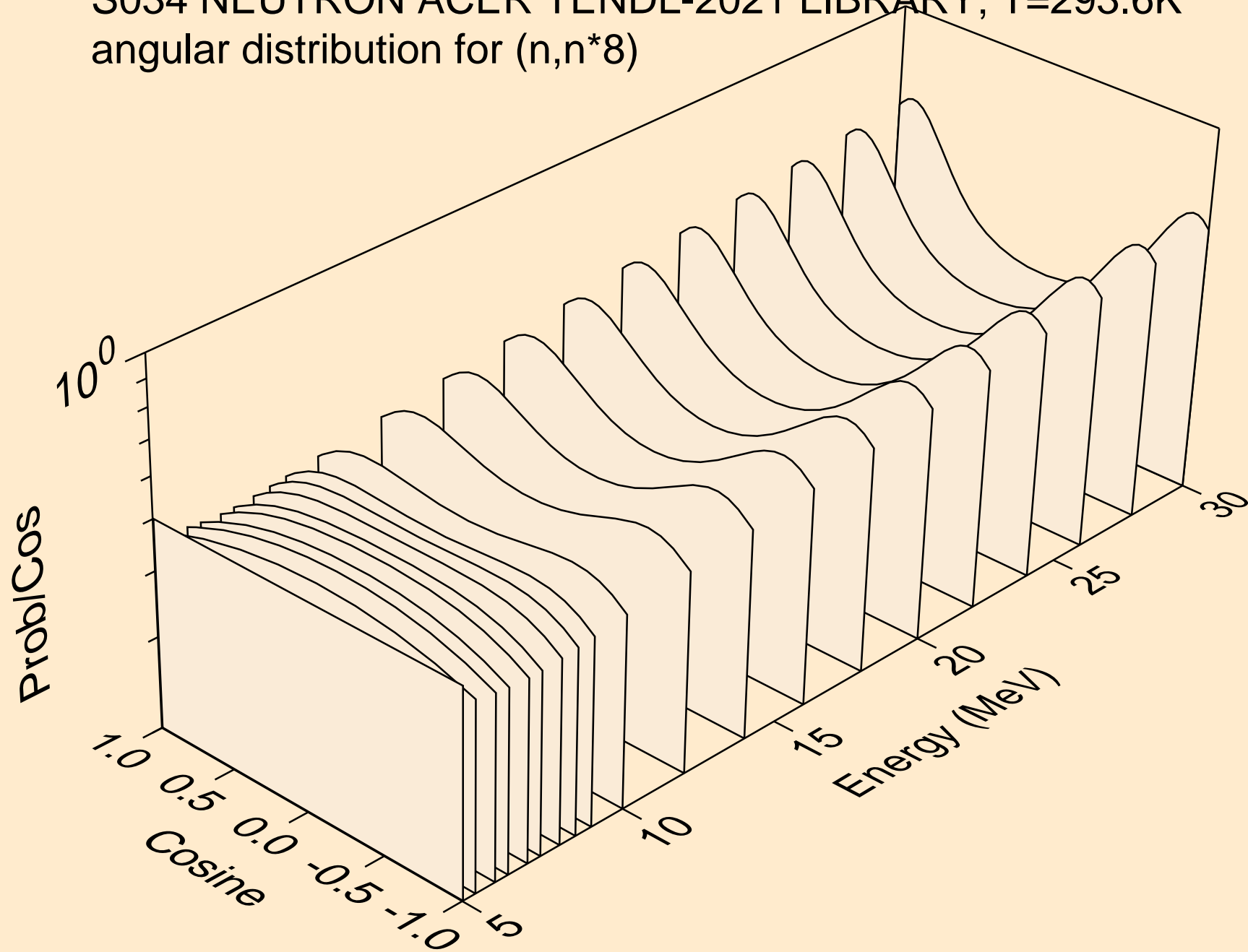
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)



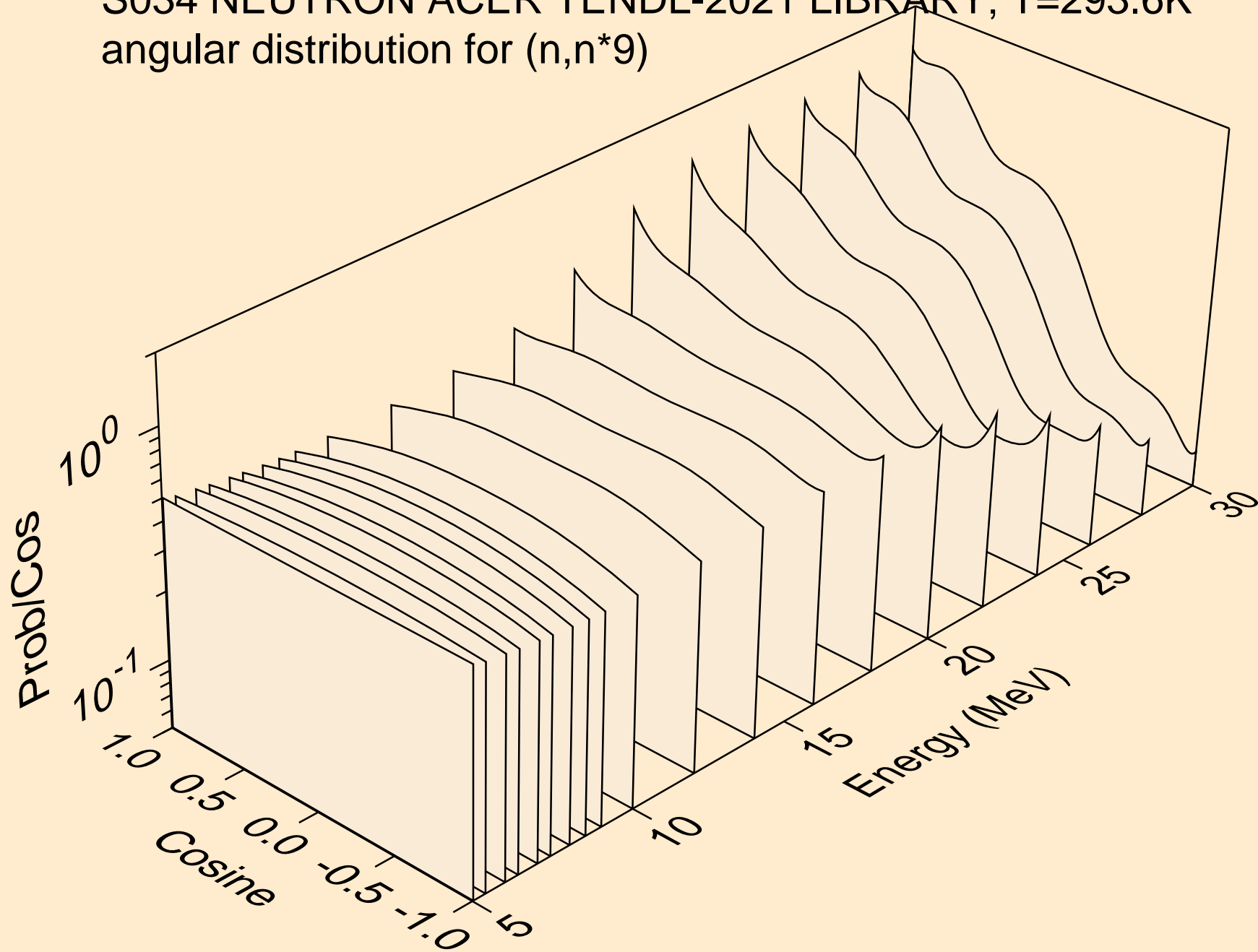
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angular distribution for (n,n\*7)



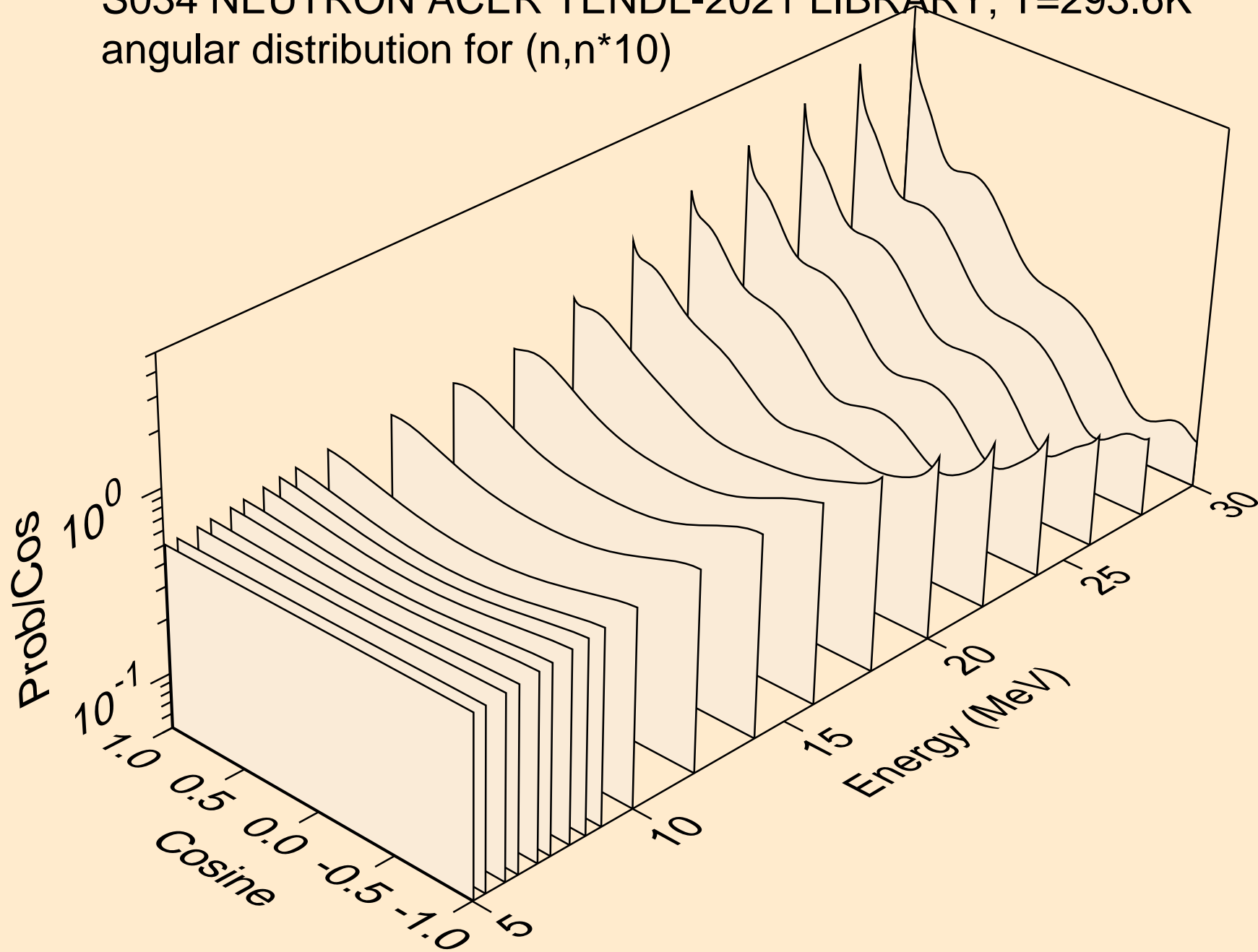
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)



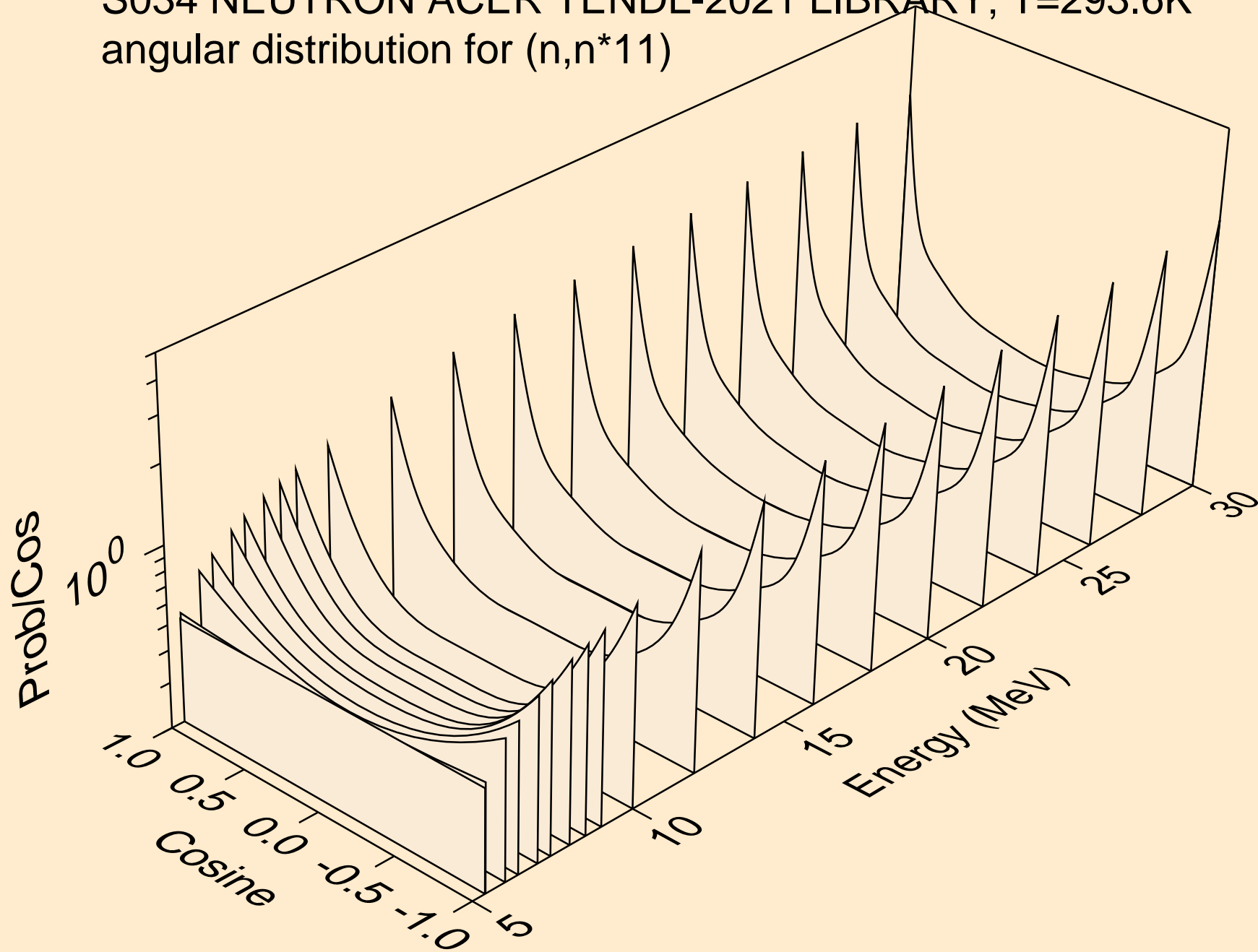
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angular distribution for (n,n\*9)



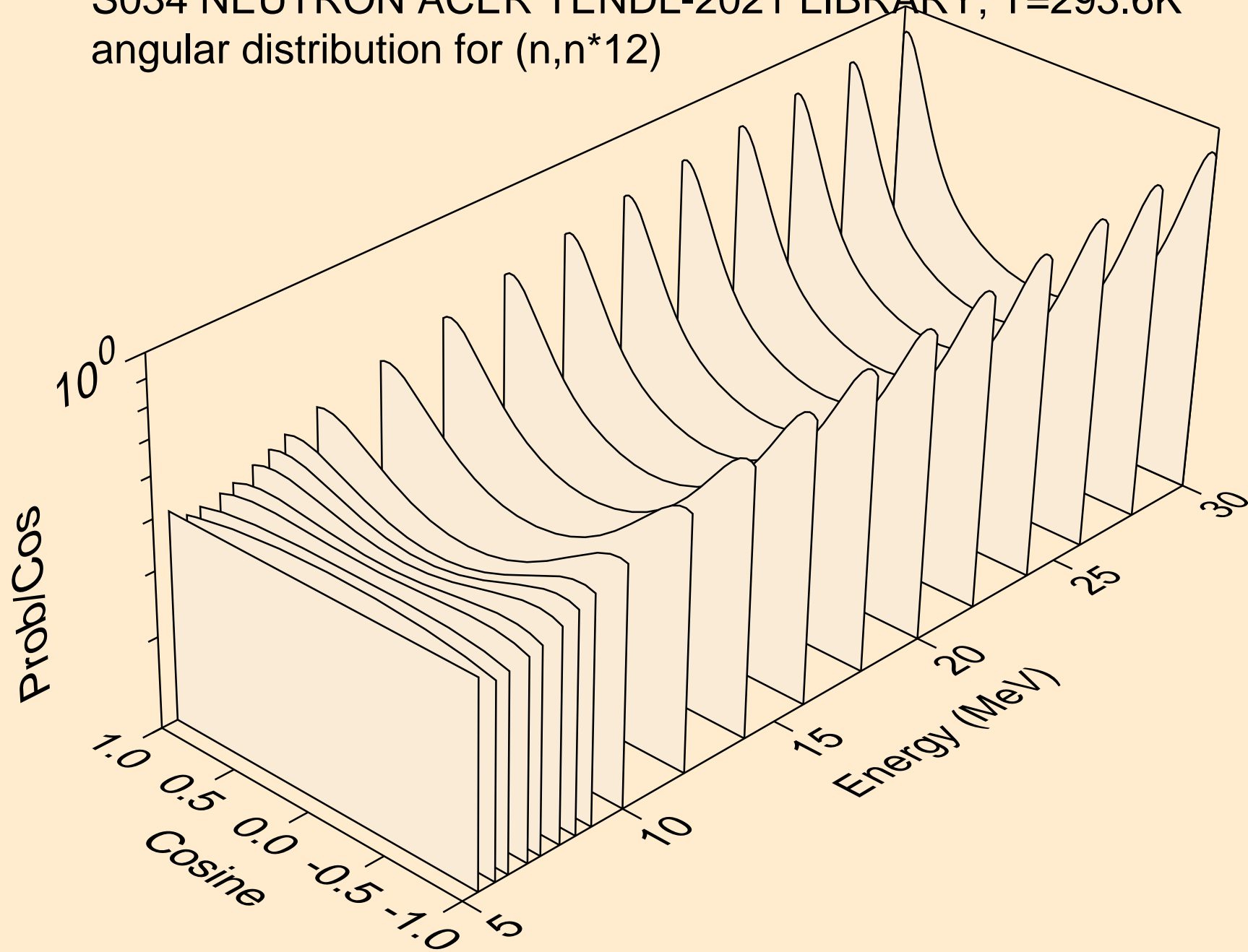
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angular distribution for (n,n\*10)



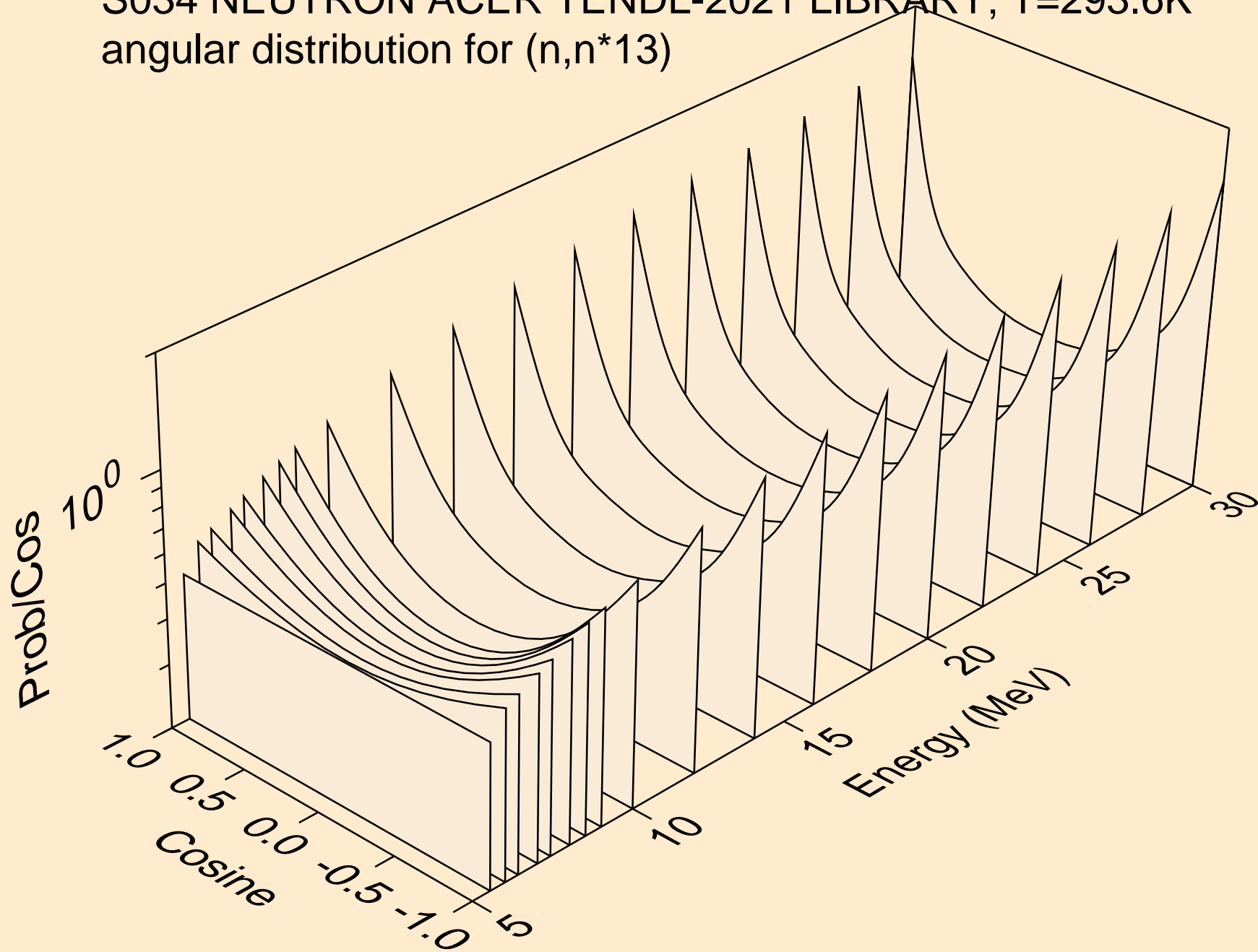
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*11)



S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*12)

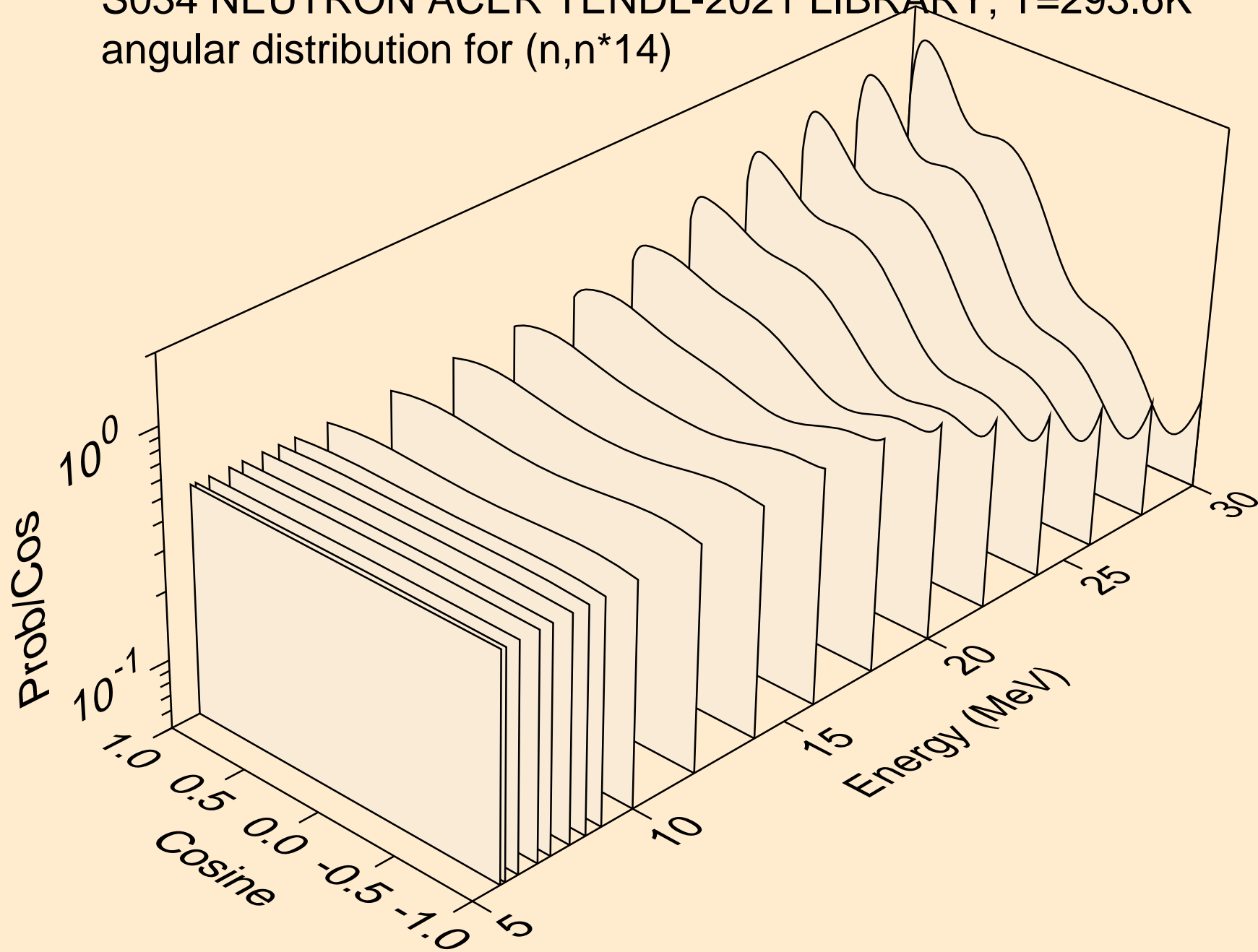


S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*13)

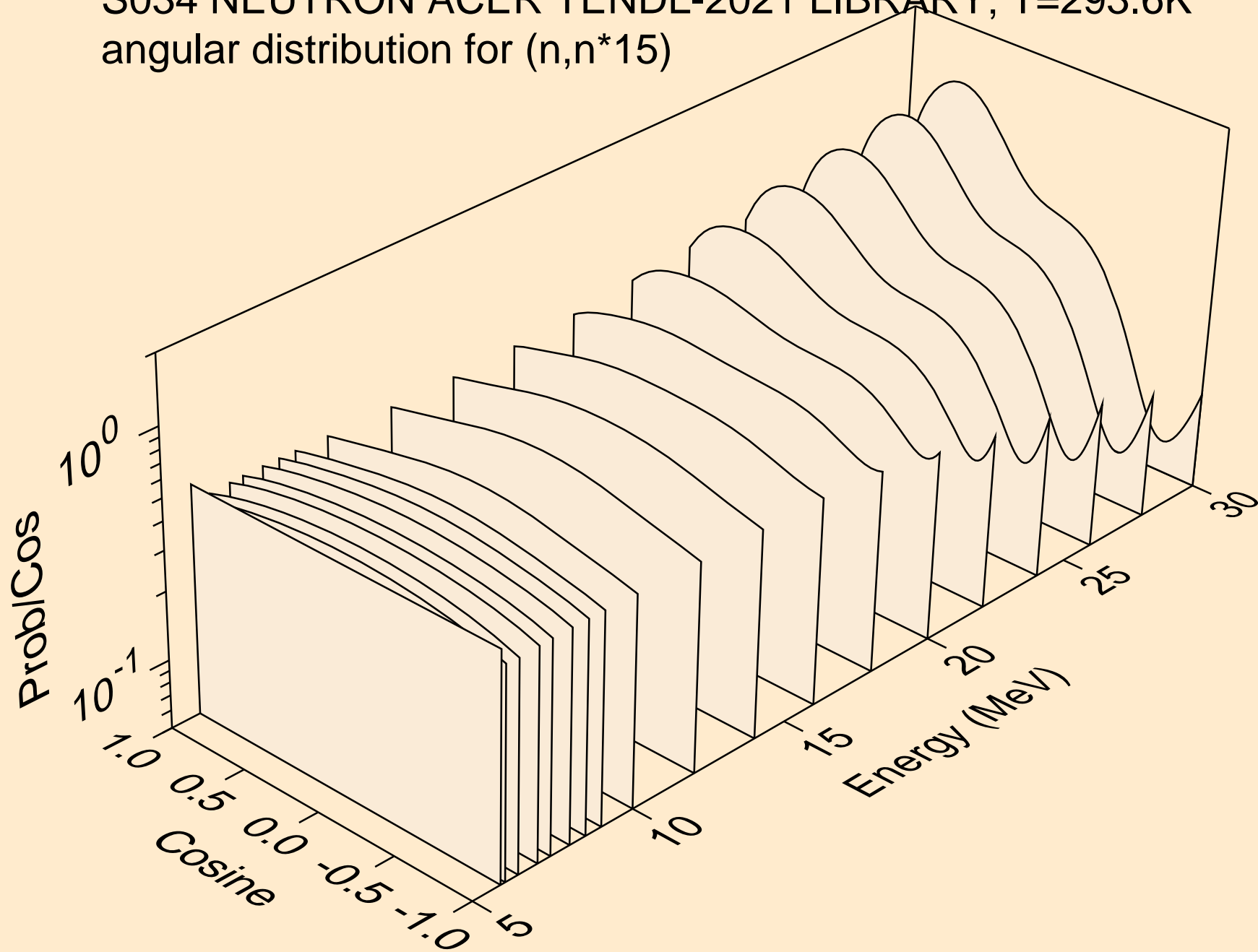




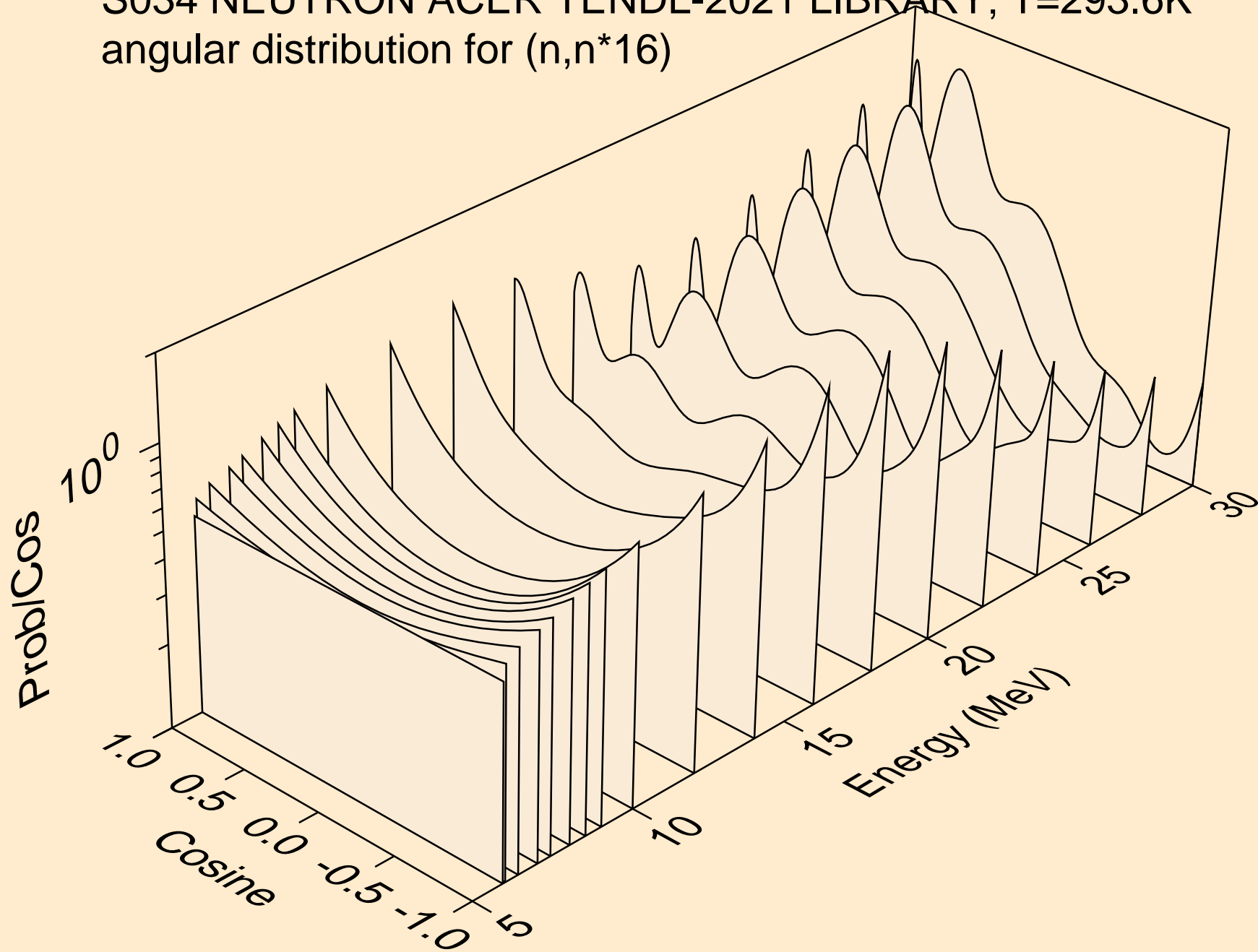
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angular distribution for (n,n\*14)



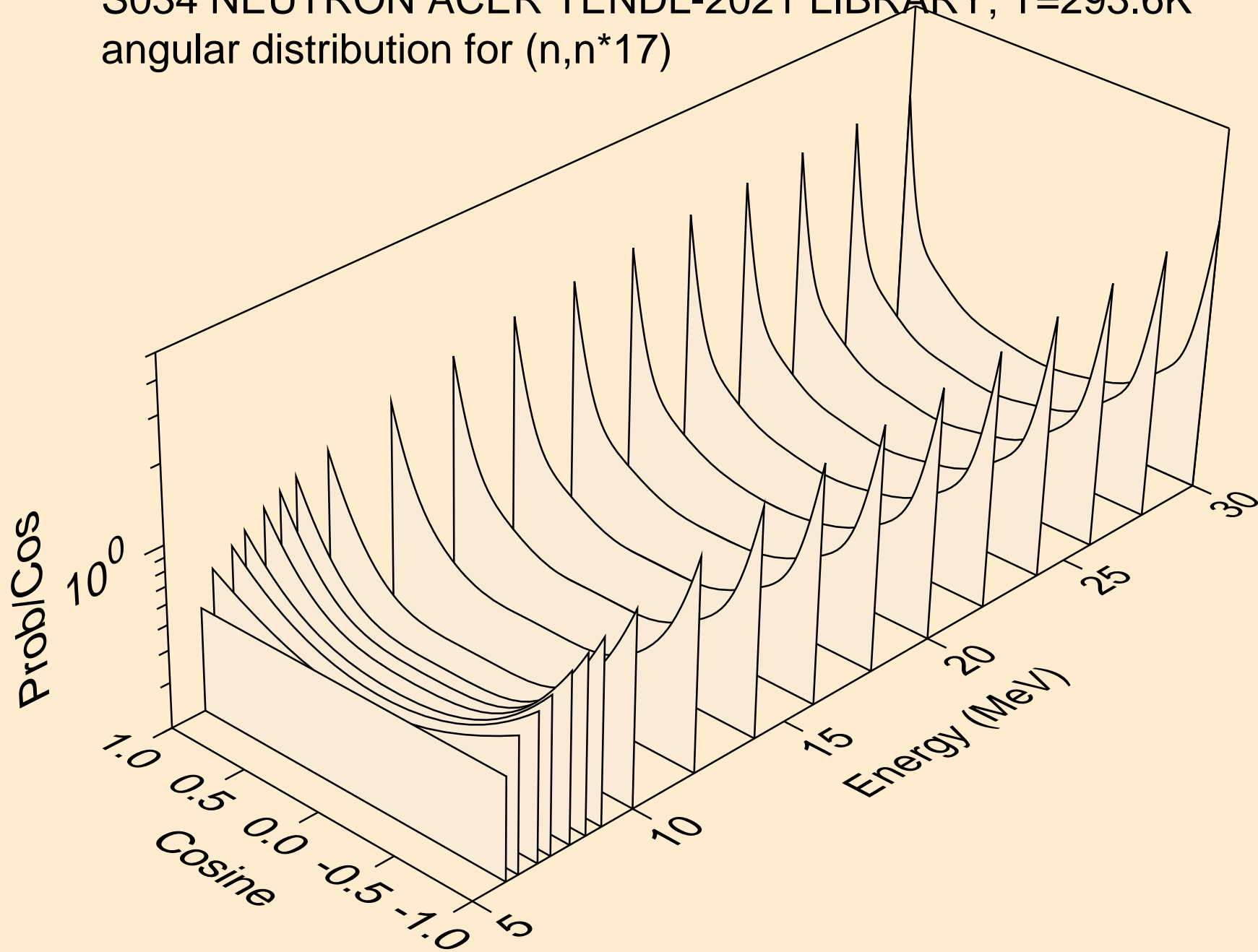
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angular distribution for (n,n\*15)



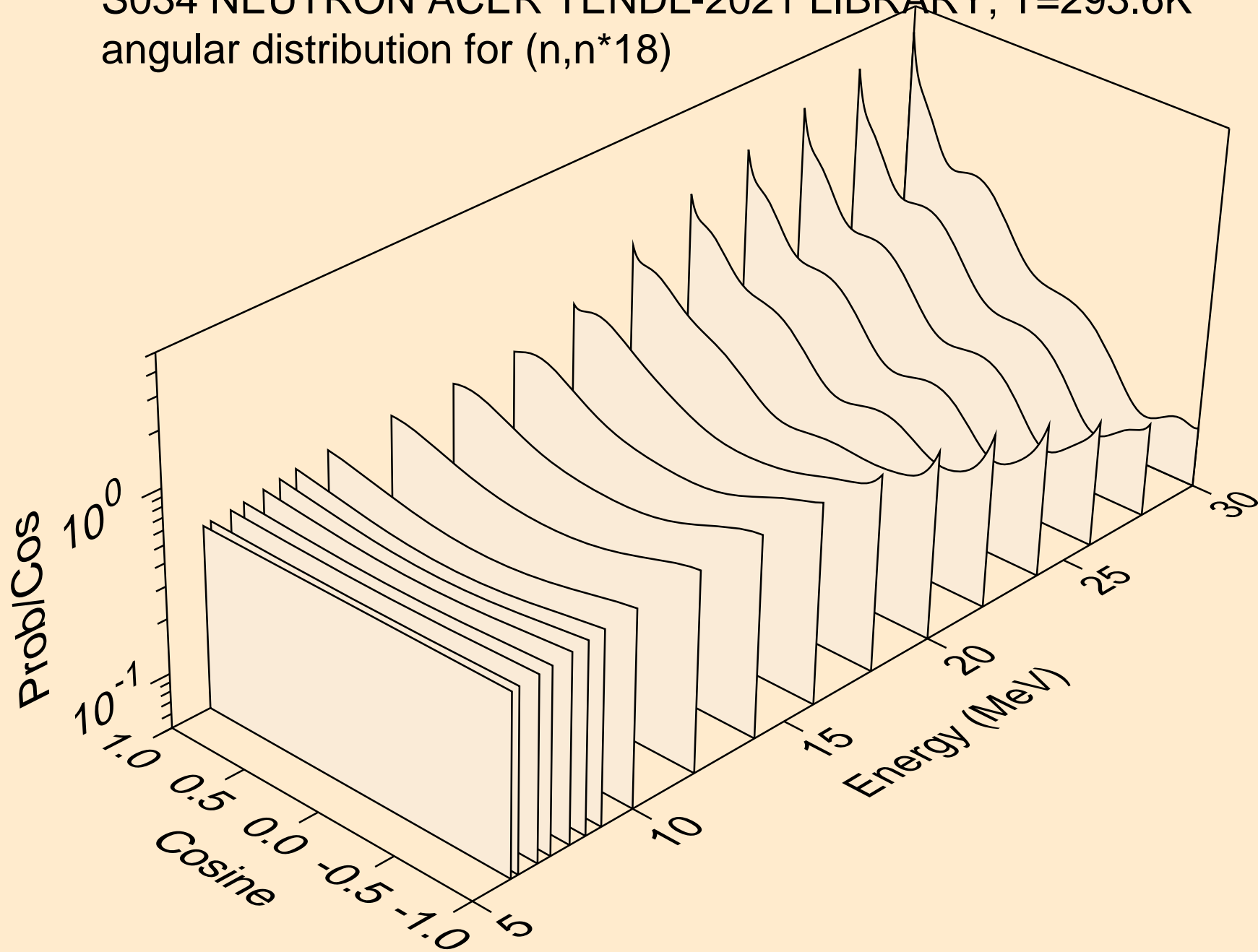
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angular distribution for (n,n\*16)



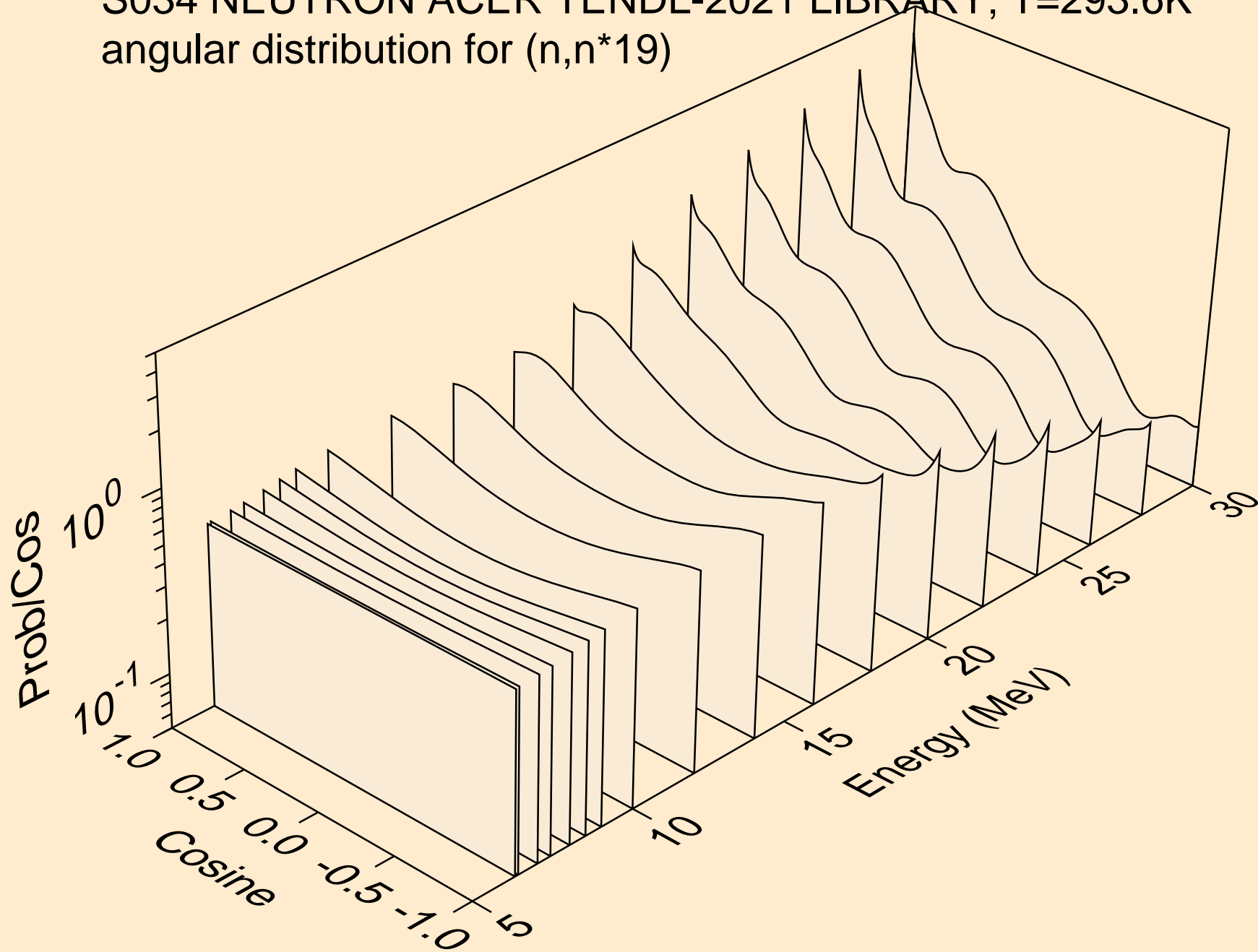
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angular distribution for (n,n\*17)



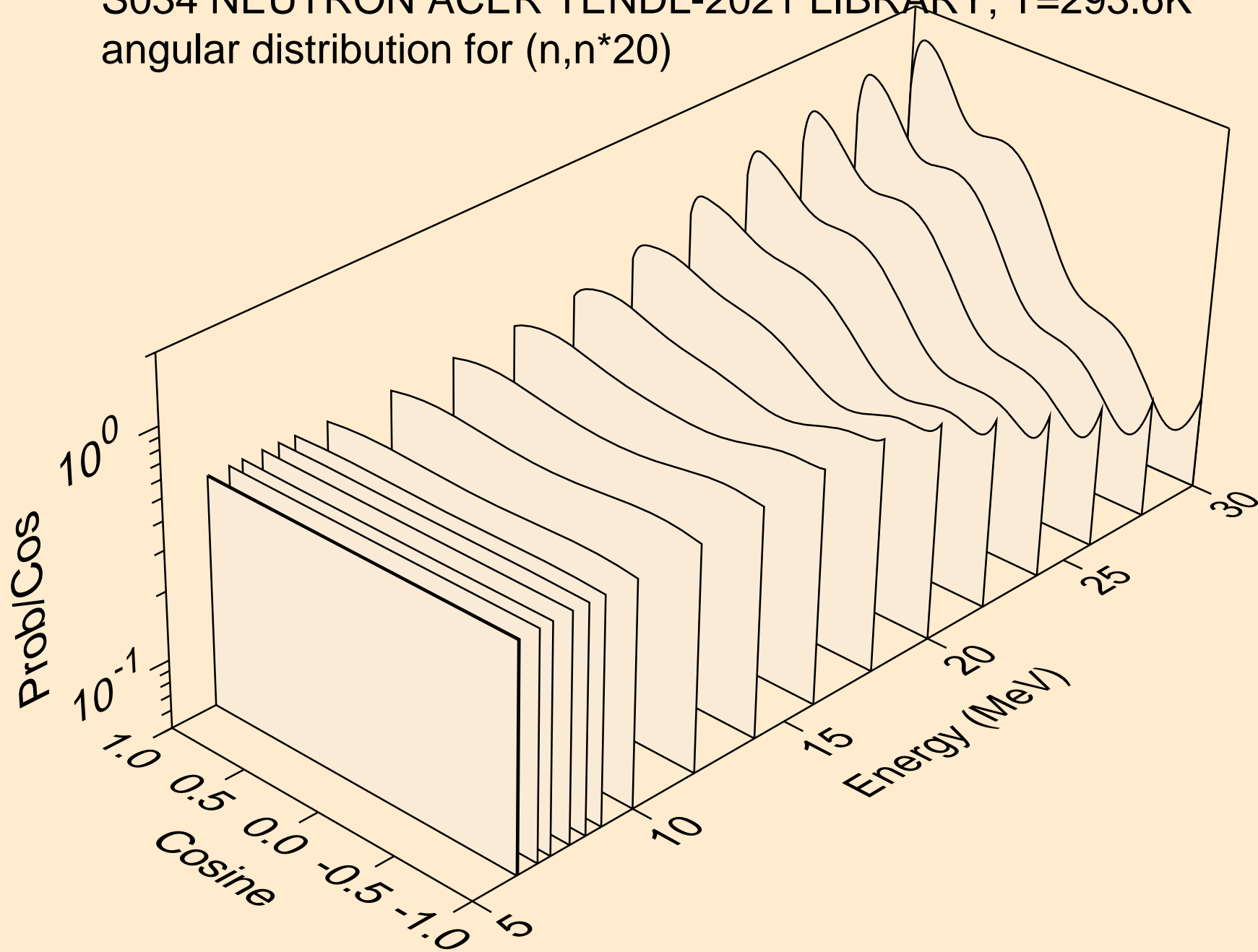
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angular distribution for (n,n\*18)



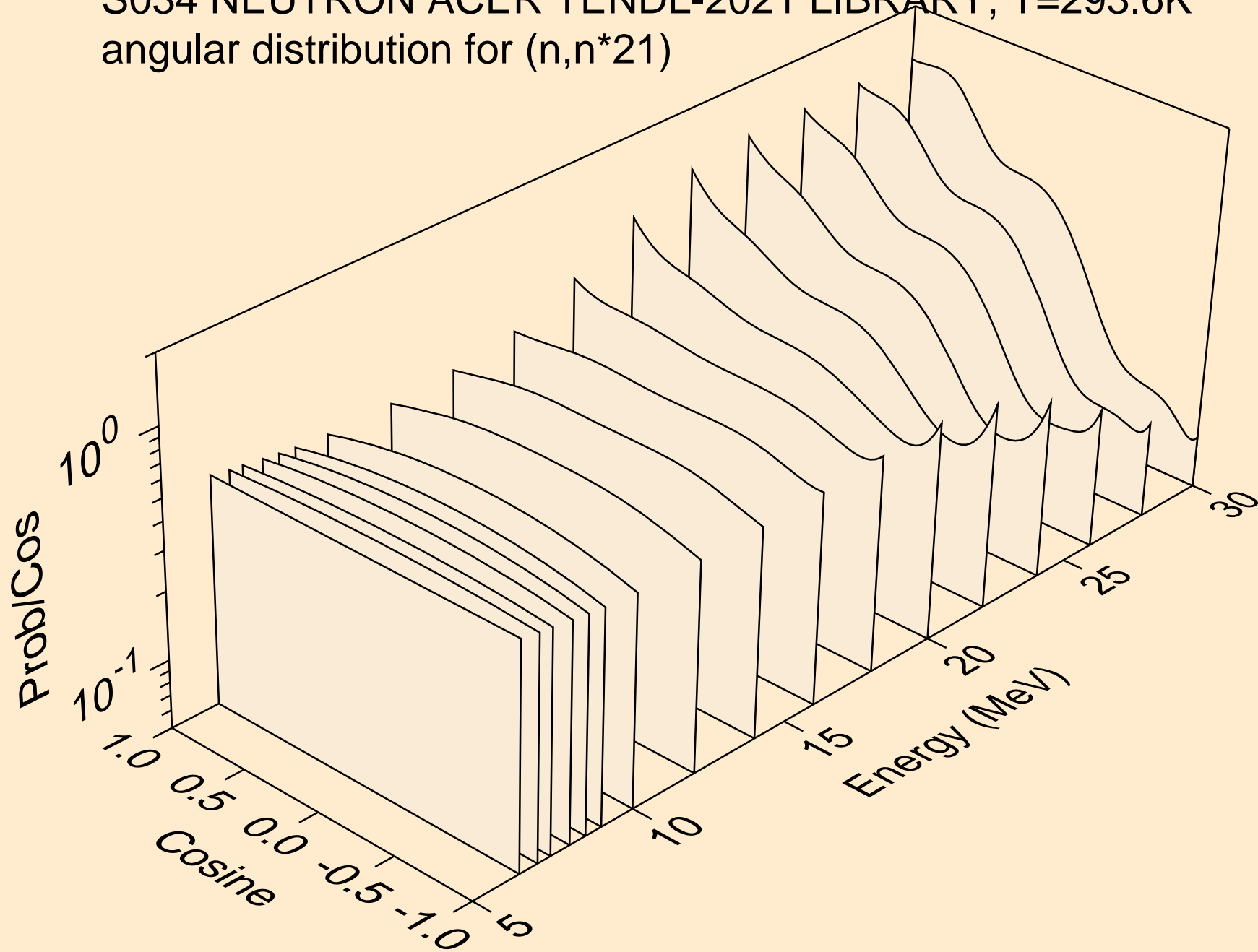
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*19)



S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*20)

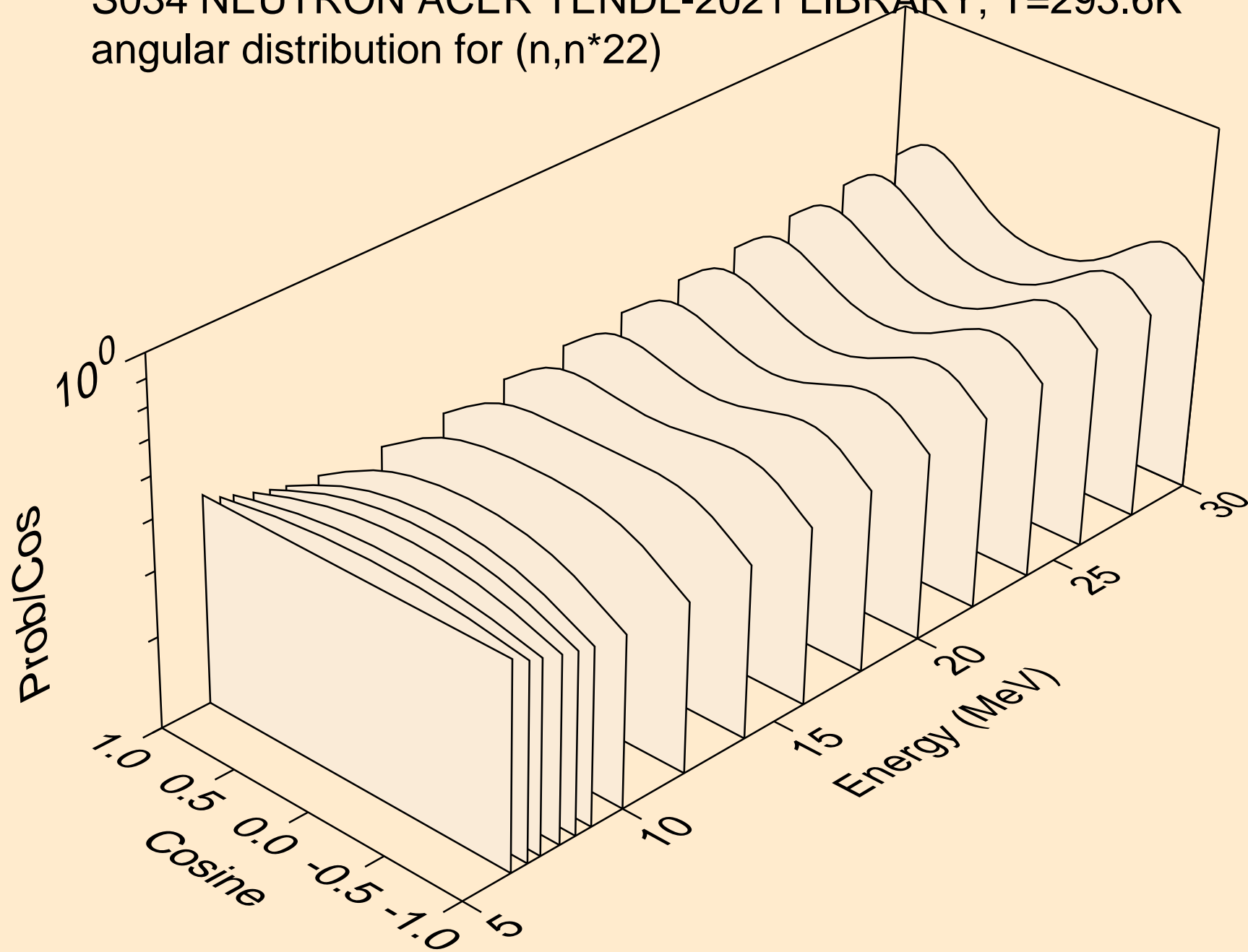


S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*21)

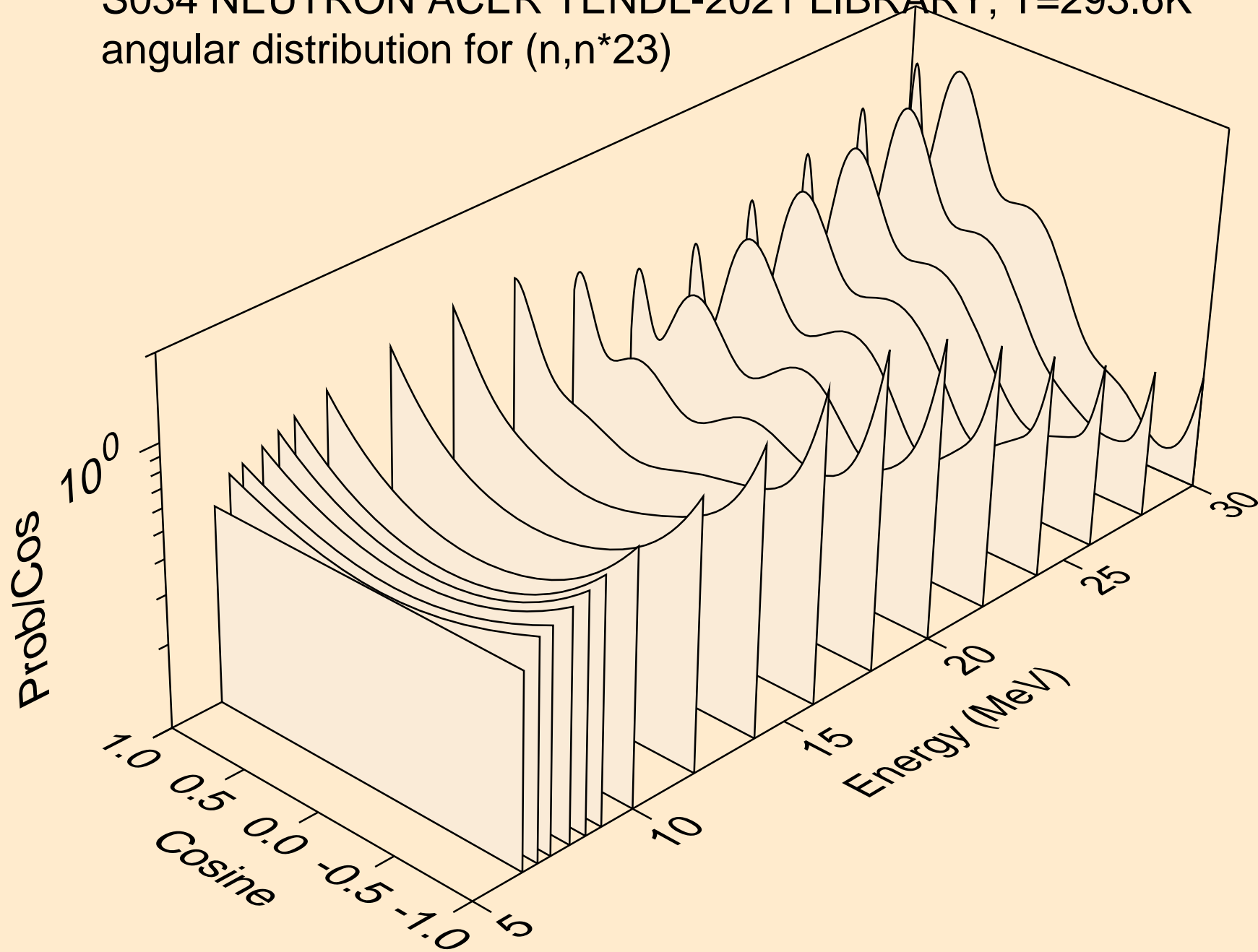




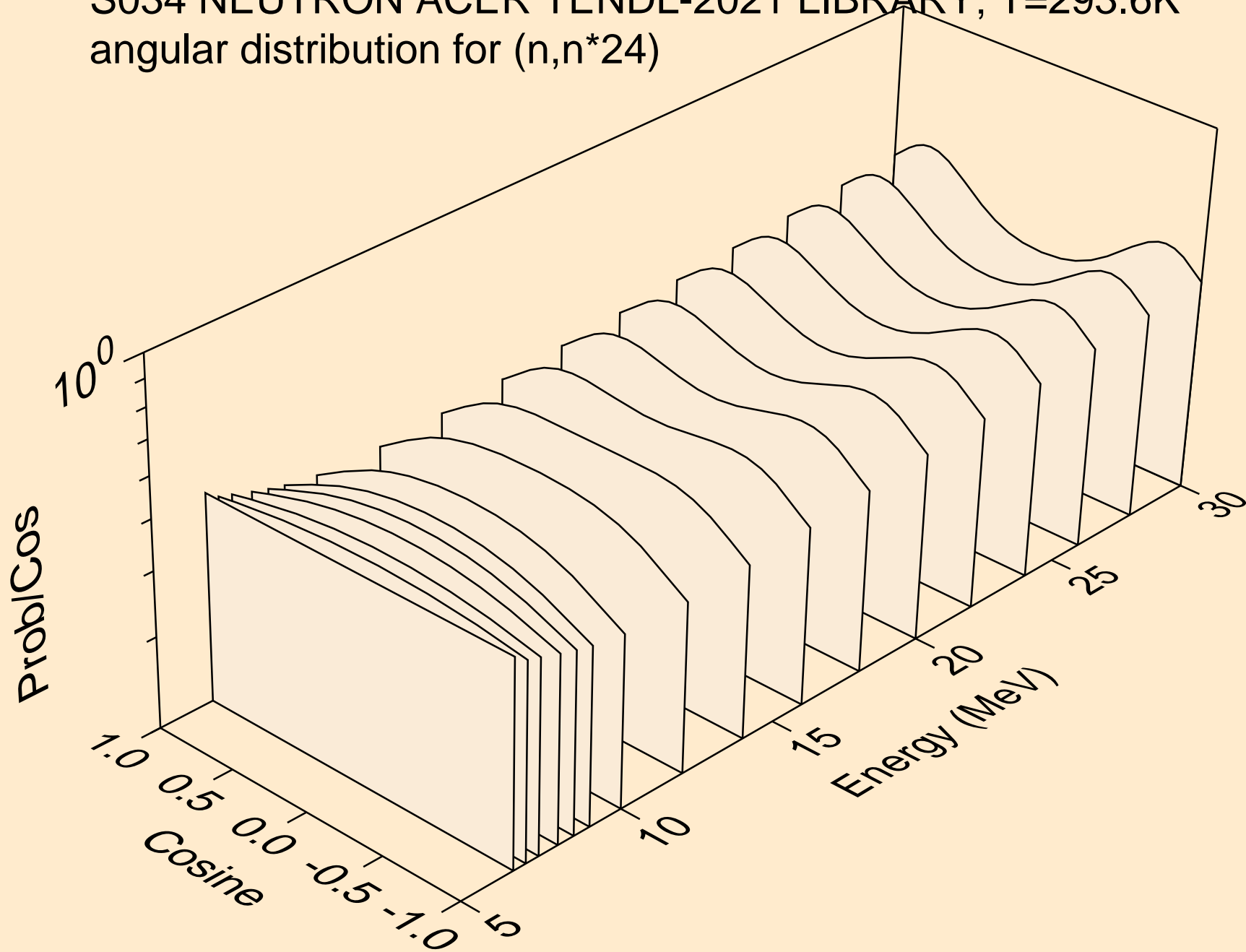
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angular distribution for (n,n\*22)



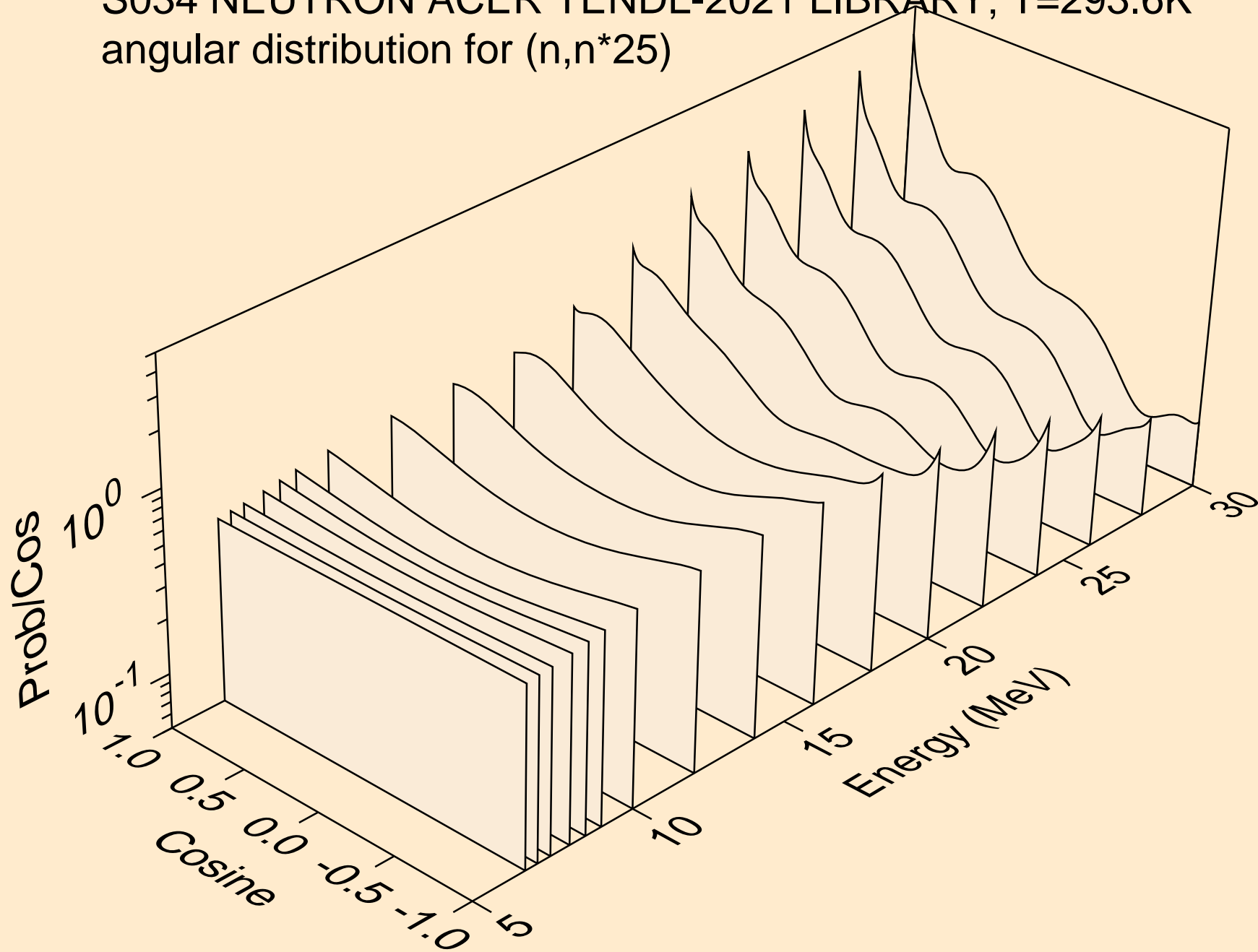
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angular distribution for (n,n\*23)



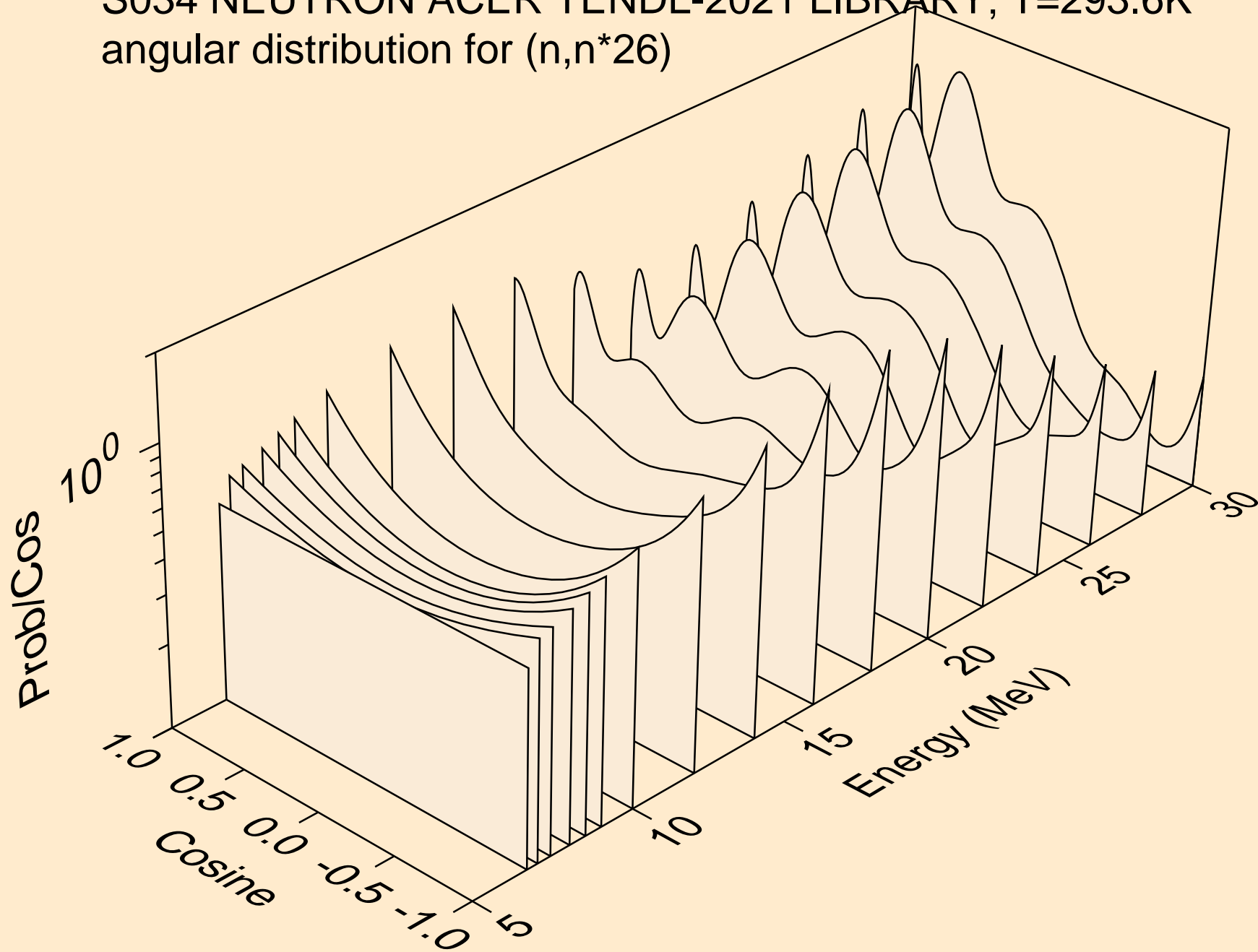
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angular distribution for (n,n\*24)



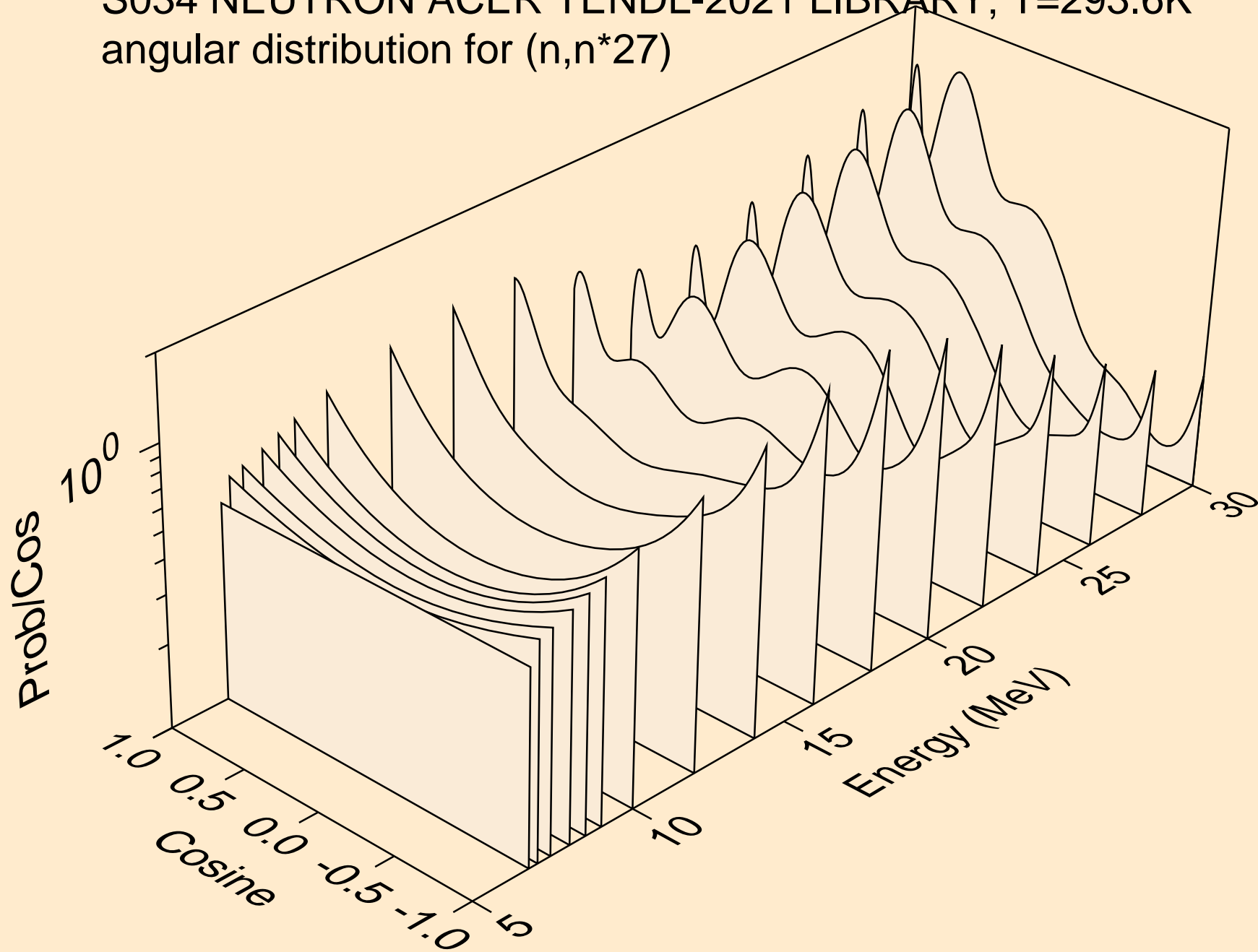
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*25)



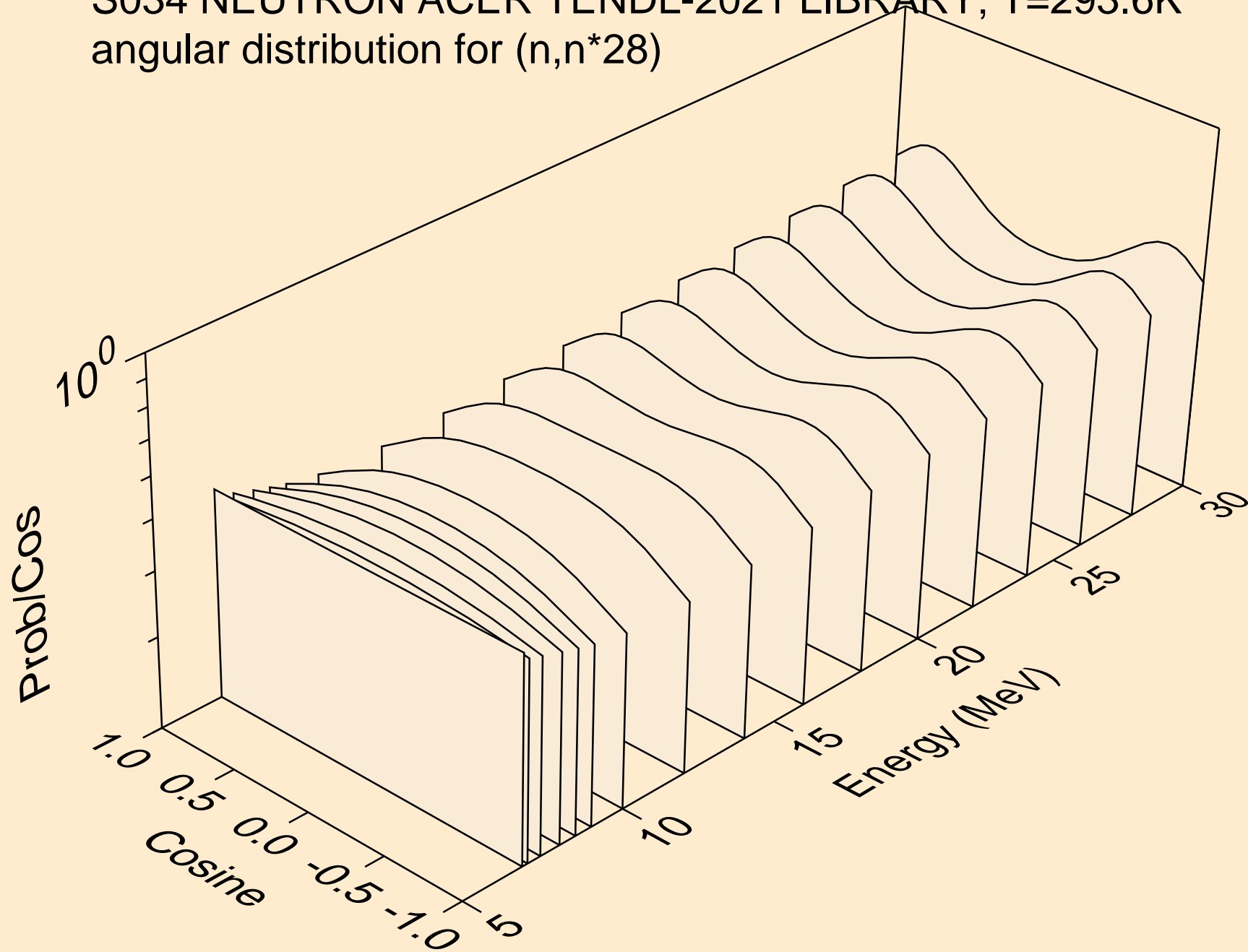
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angular distribution for (n,n\*26)



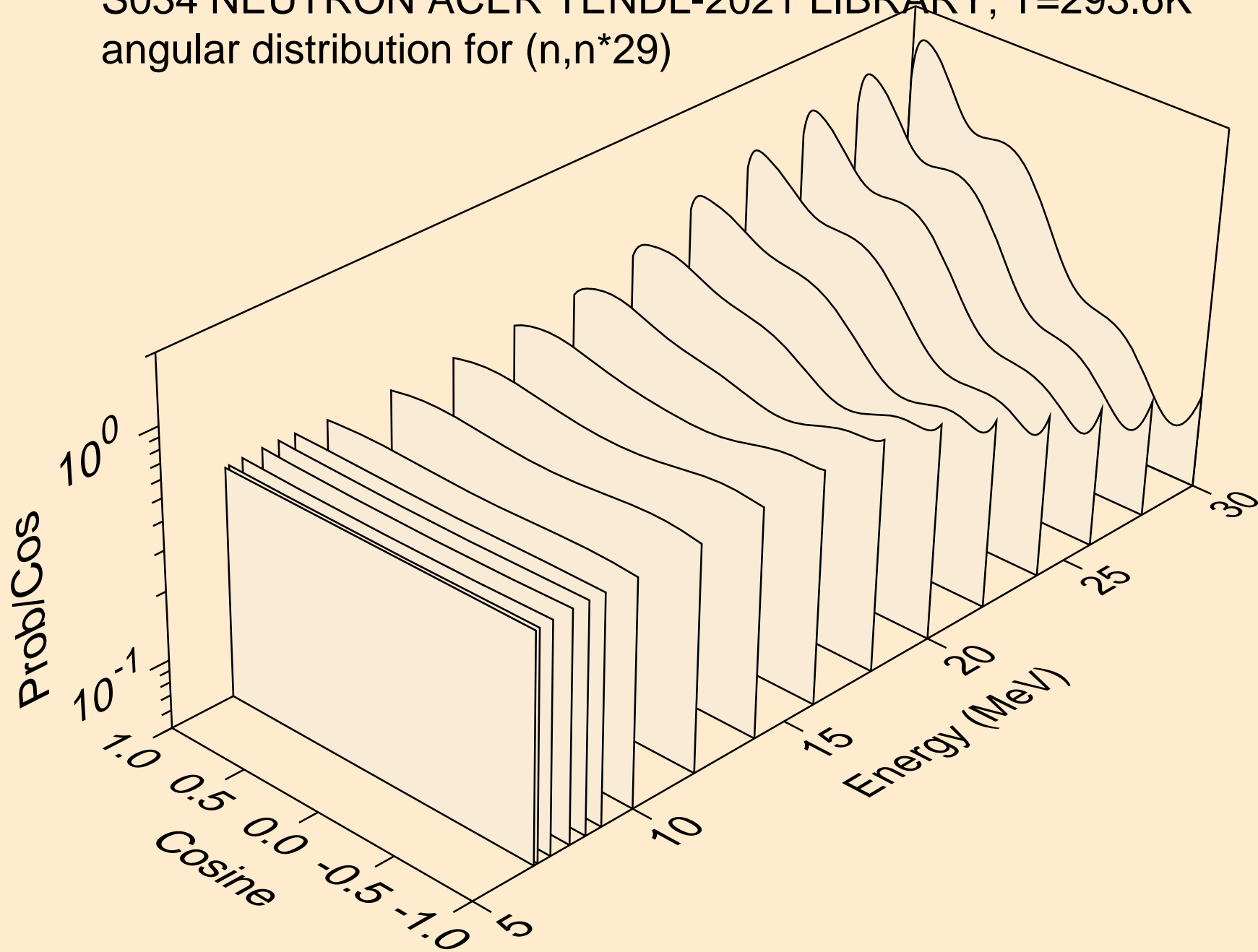
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*27)



S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*28)

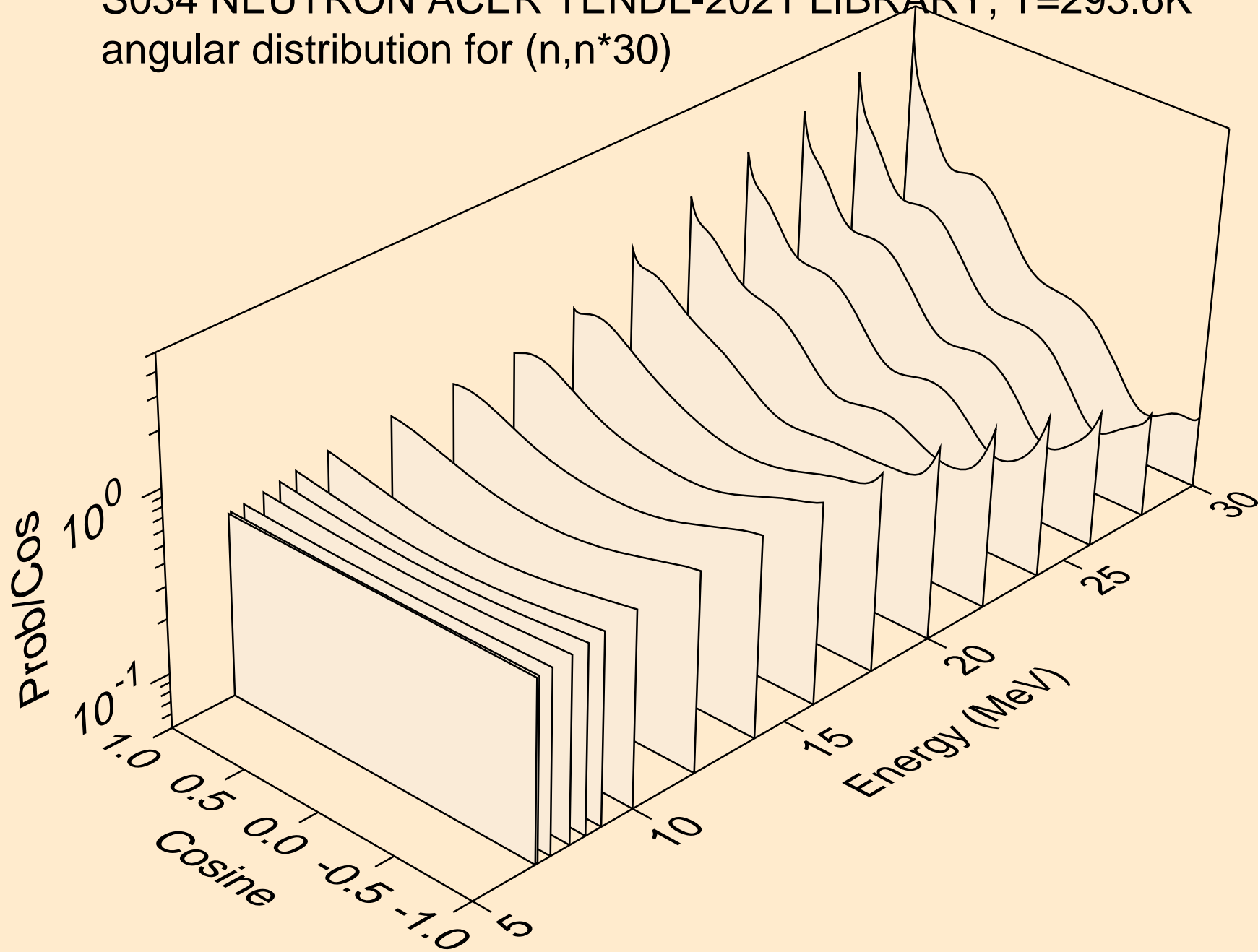


S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*29)

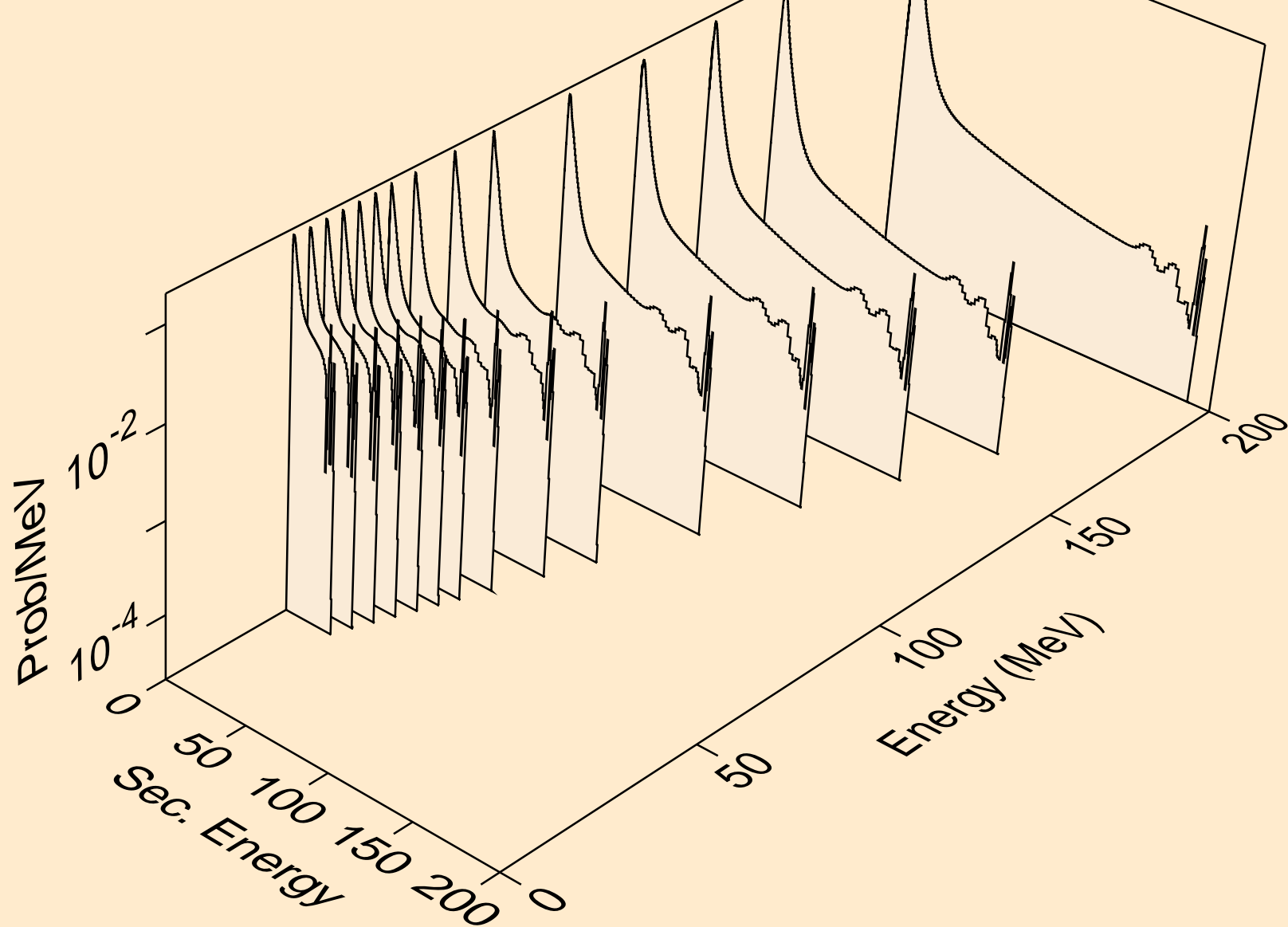




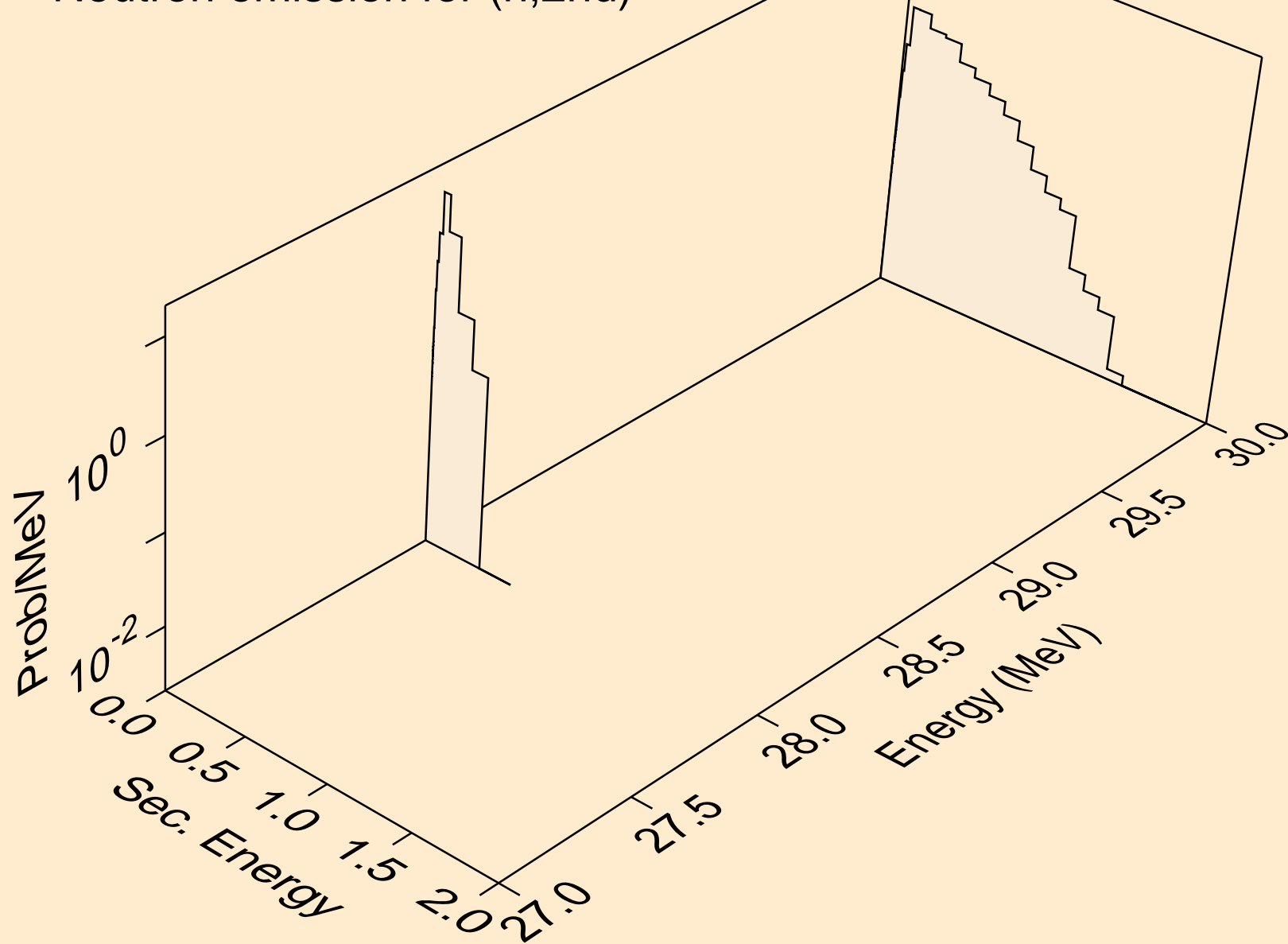
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angular distribution for (n,n\*30)



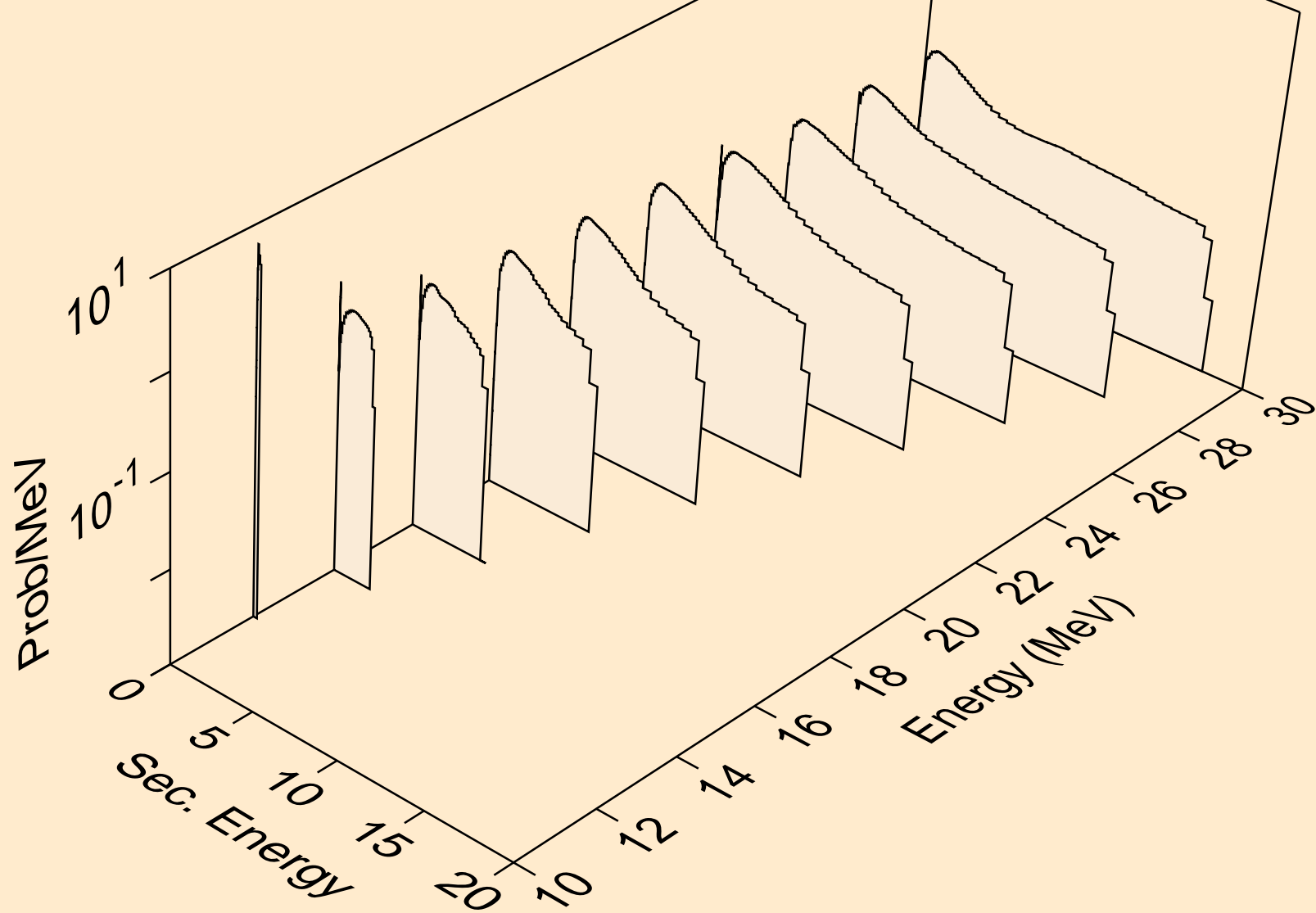
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



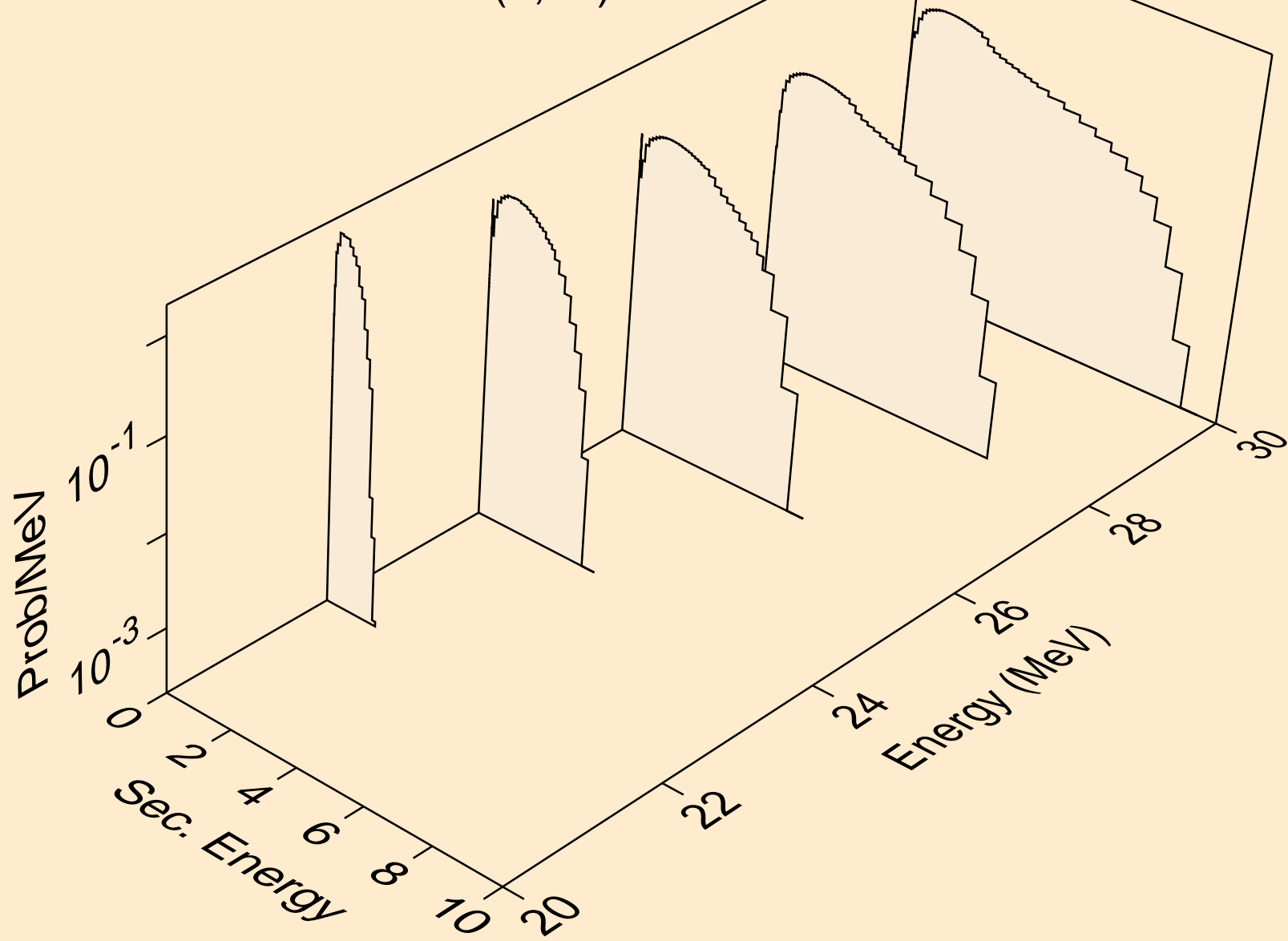
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



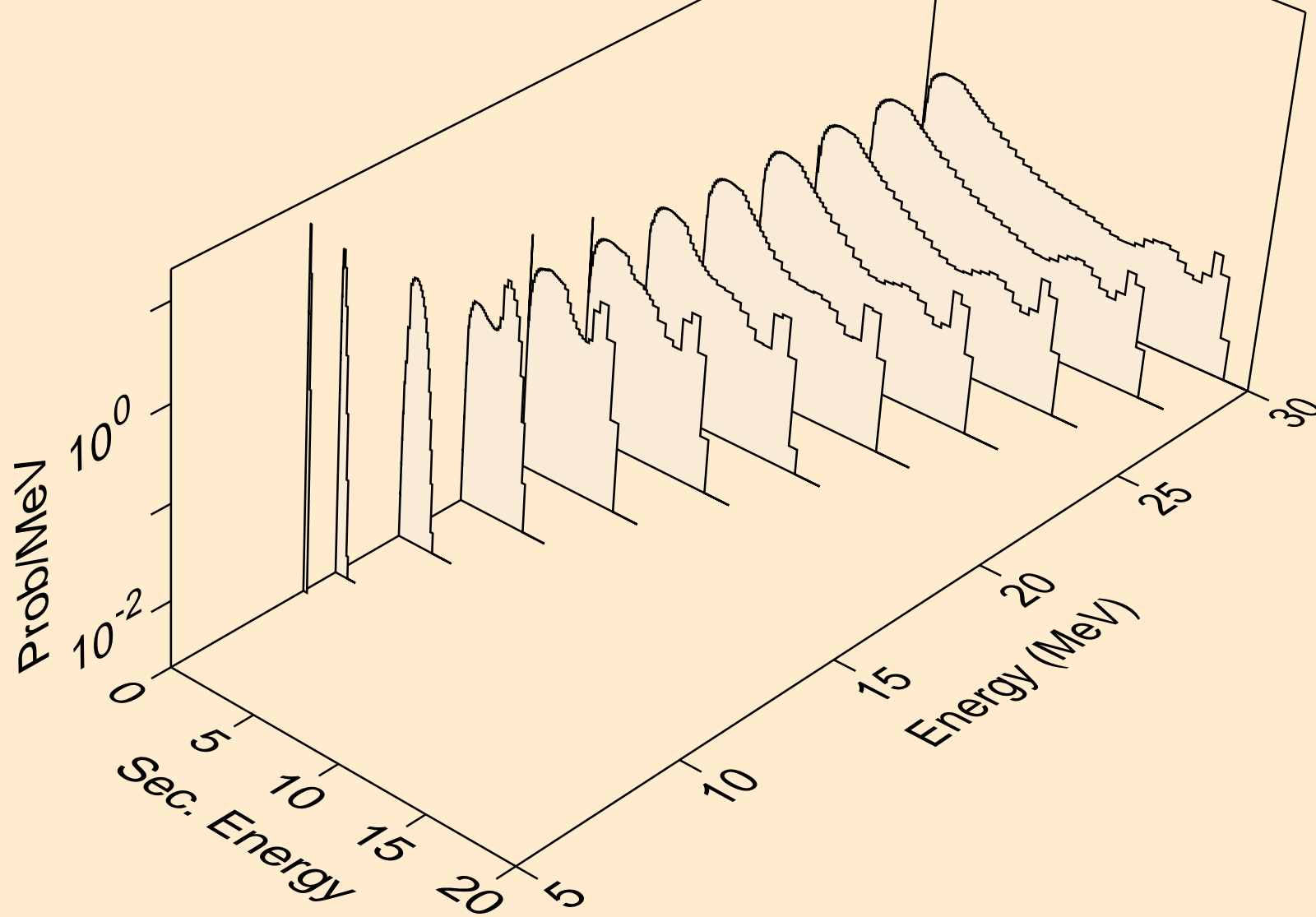
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



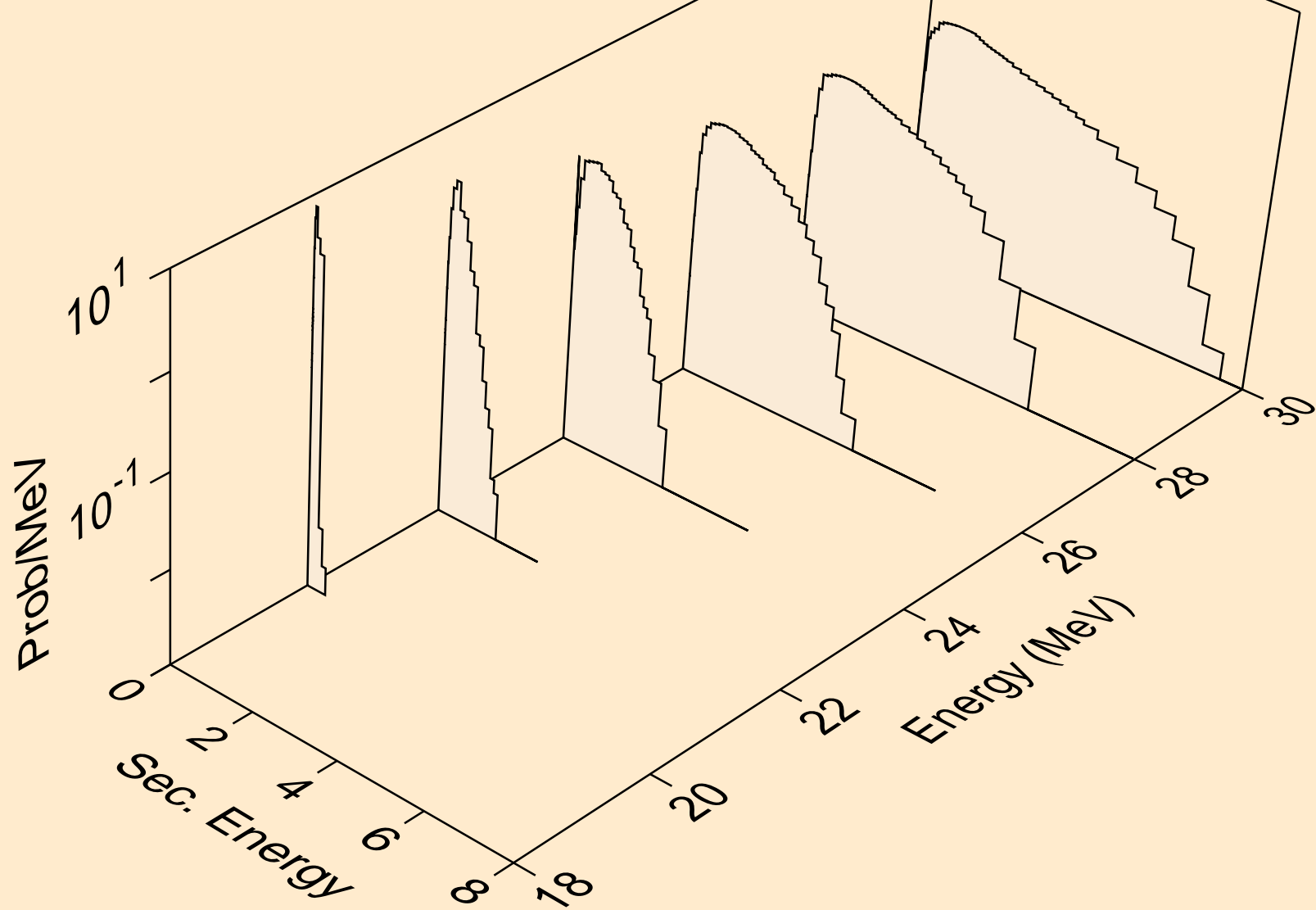
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



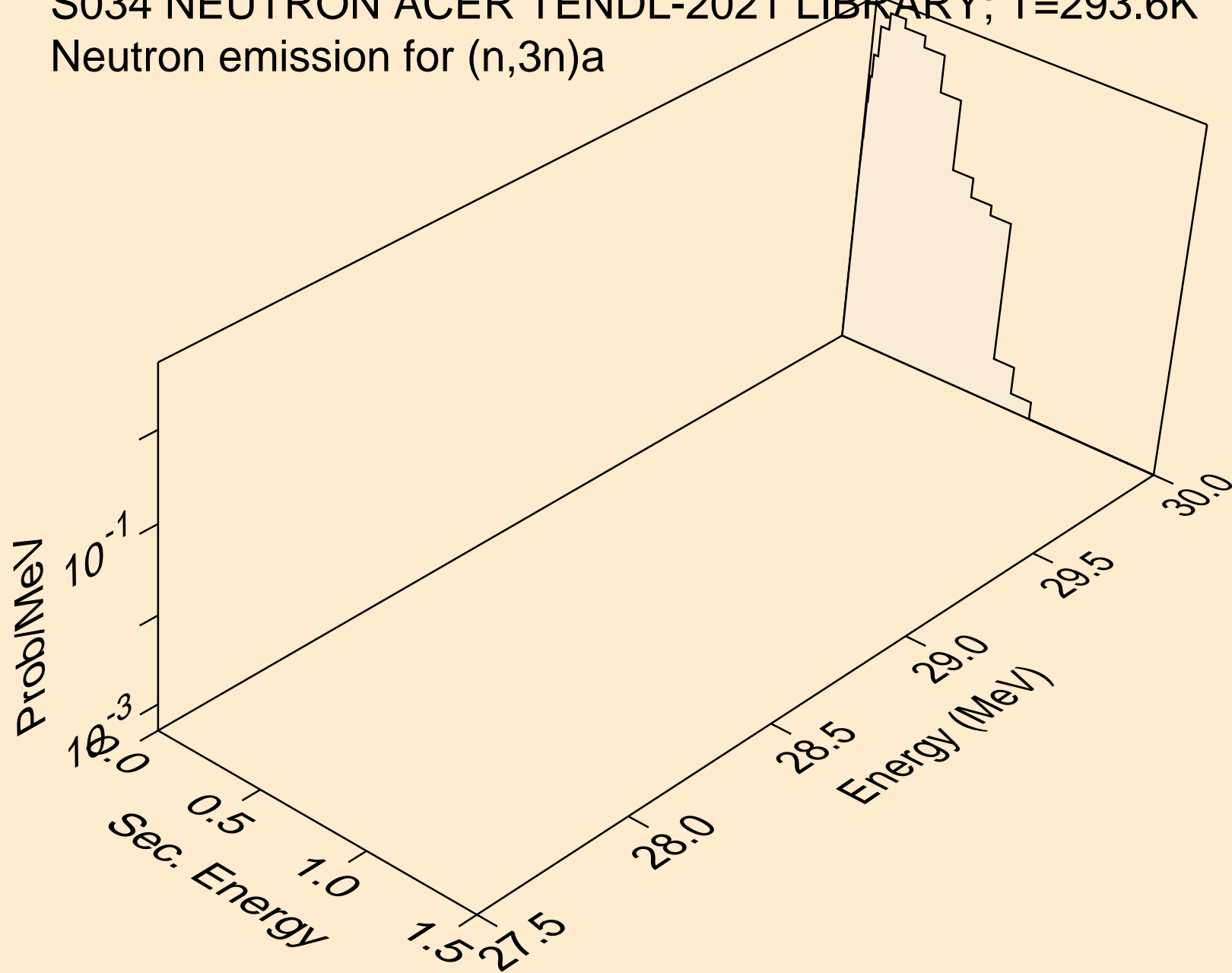
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)<sub>a</sub>

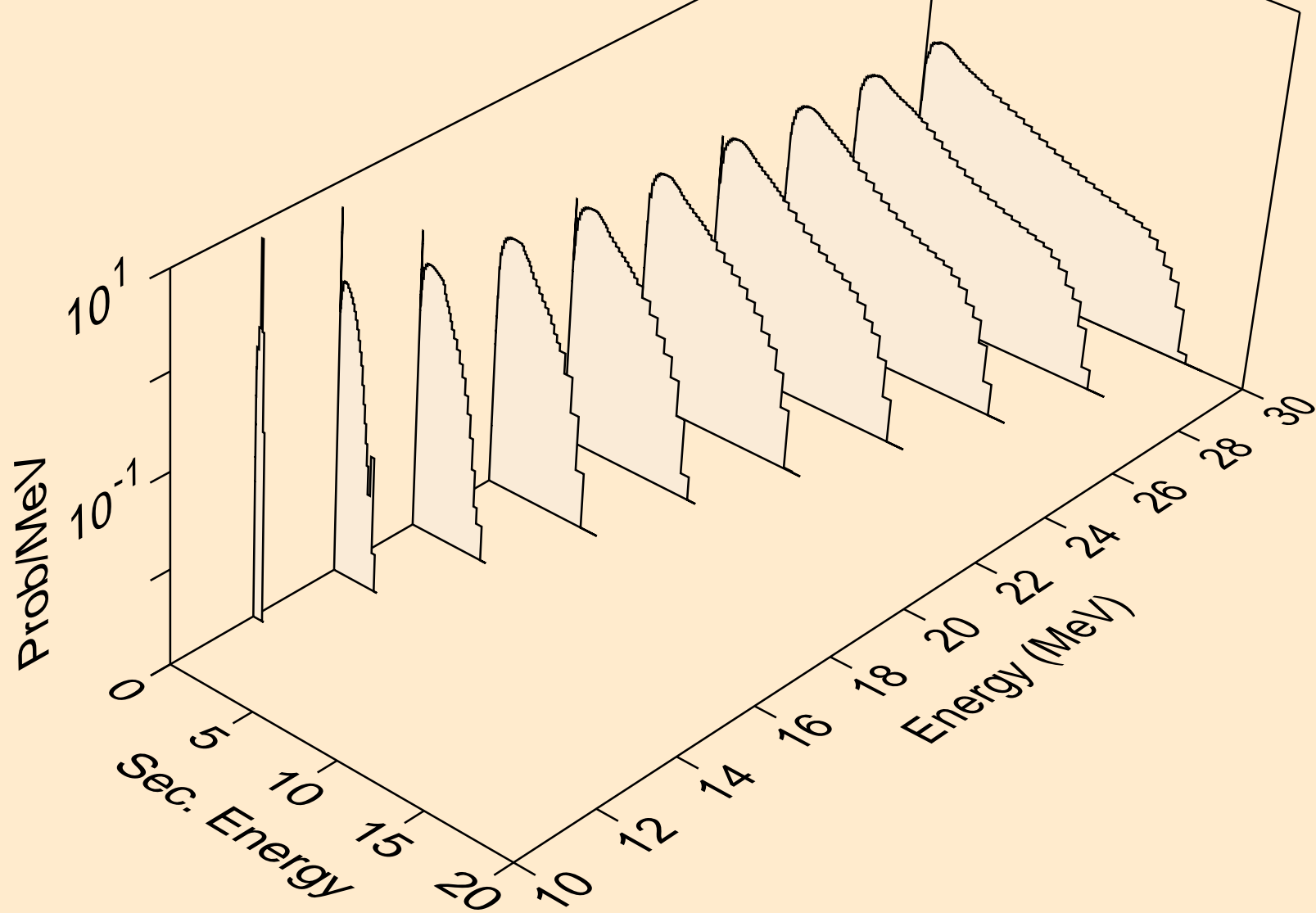


S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a

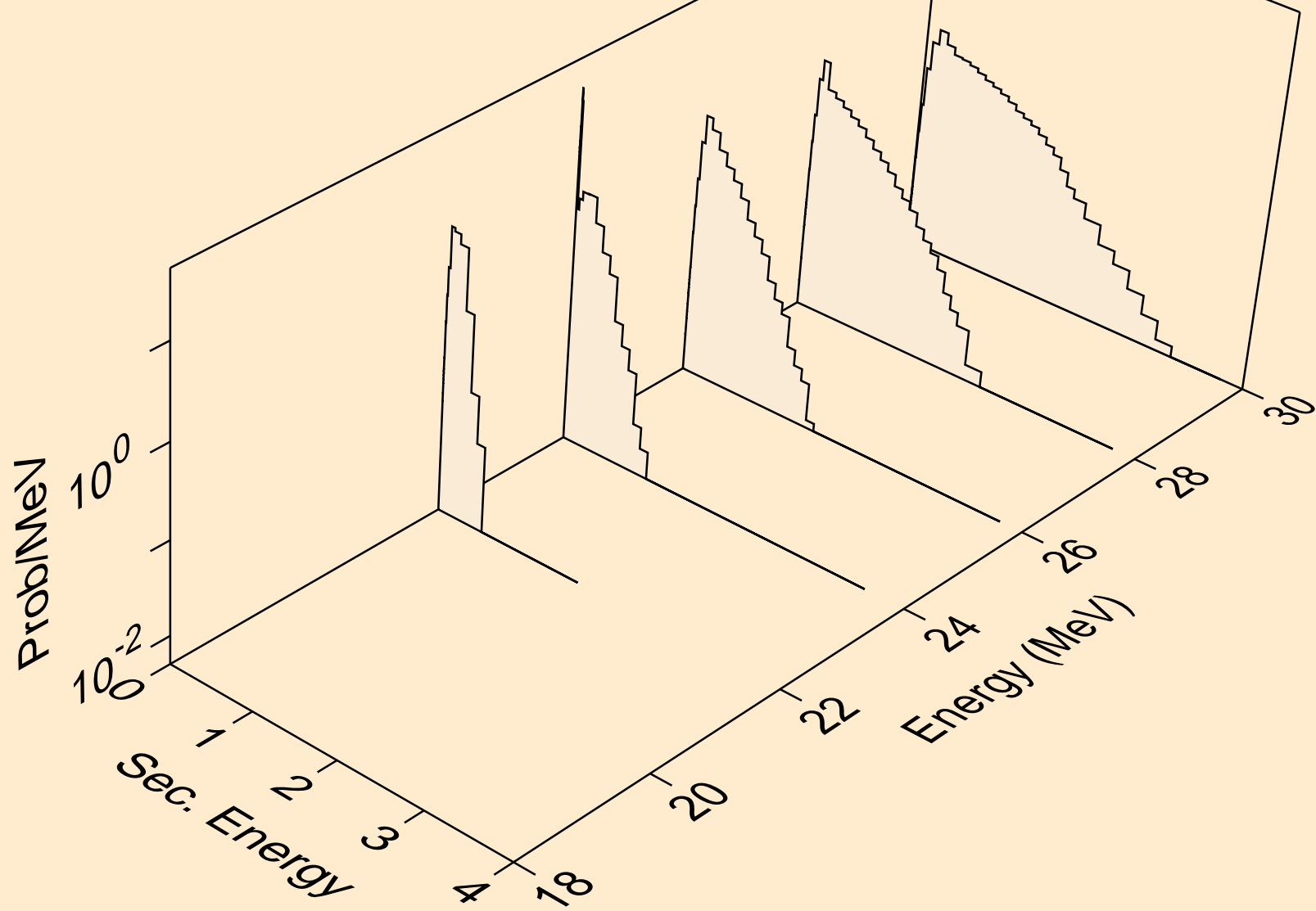




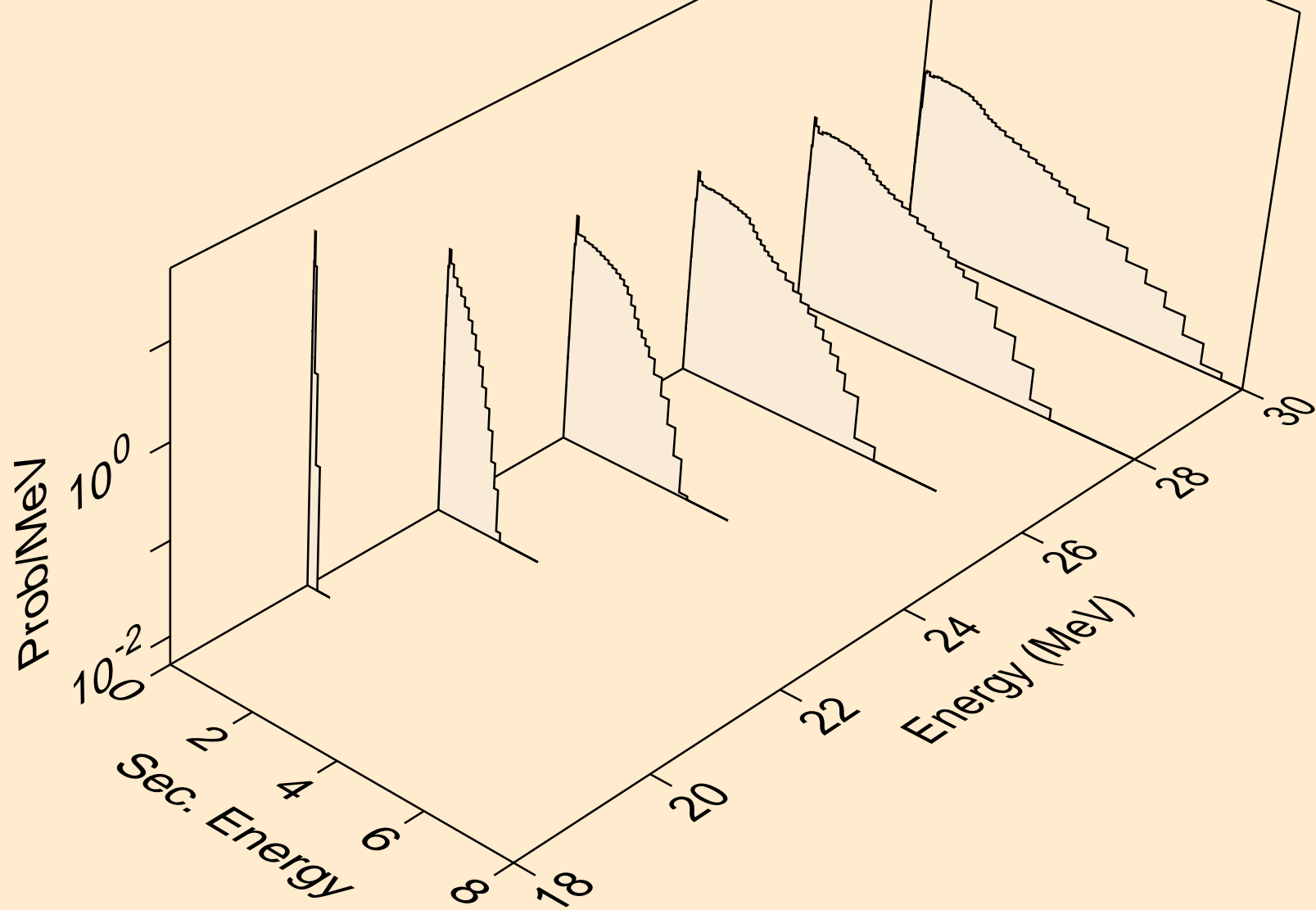
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



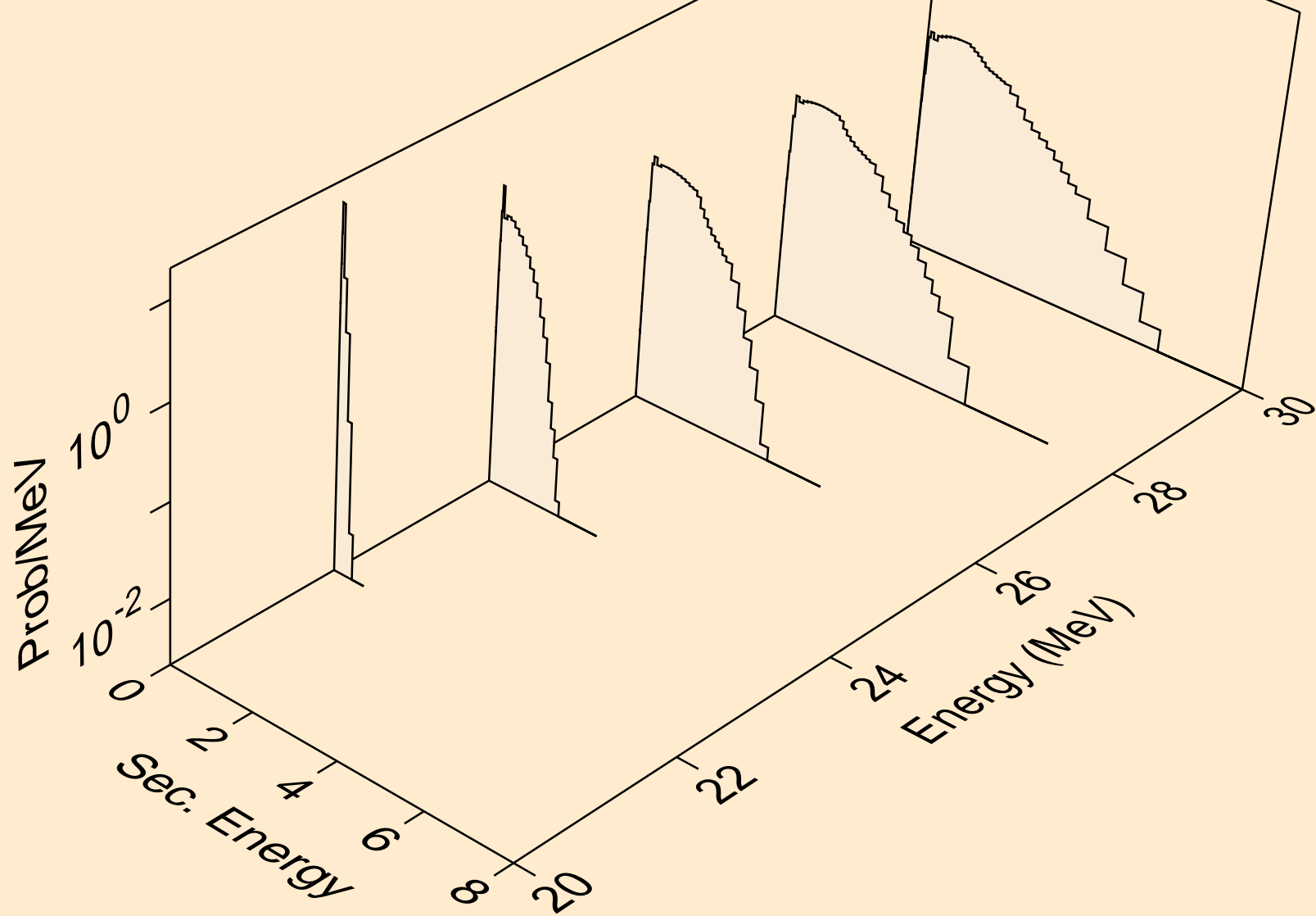
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a



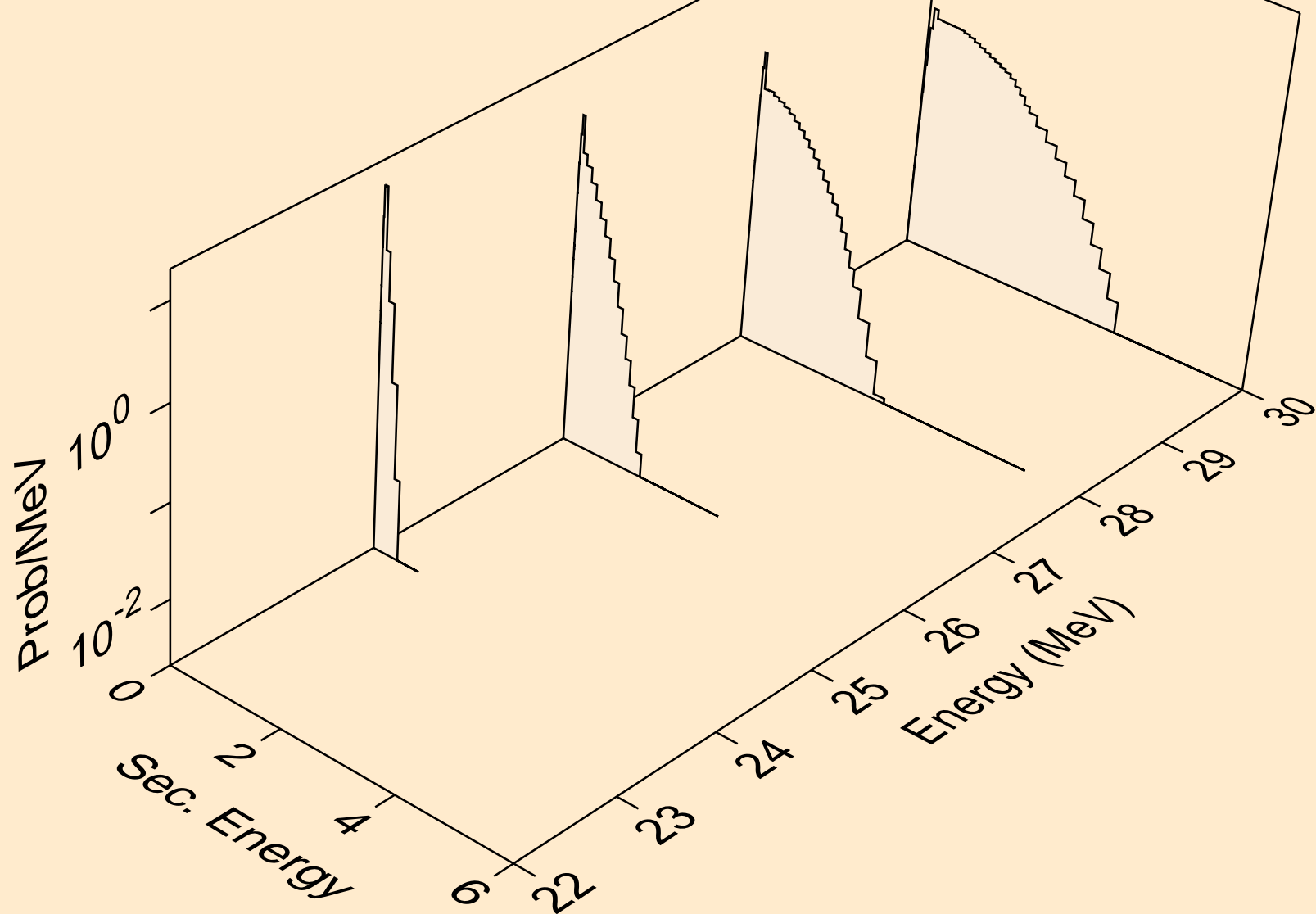
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



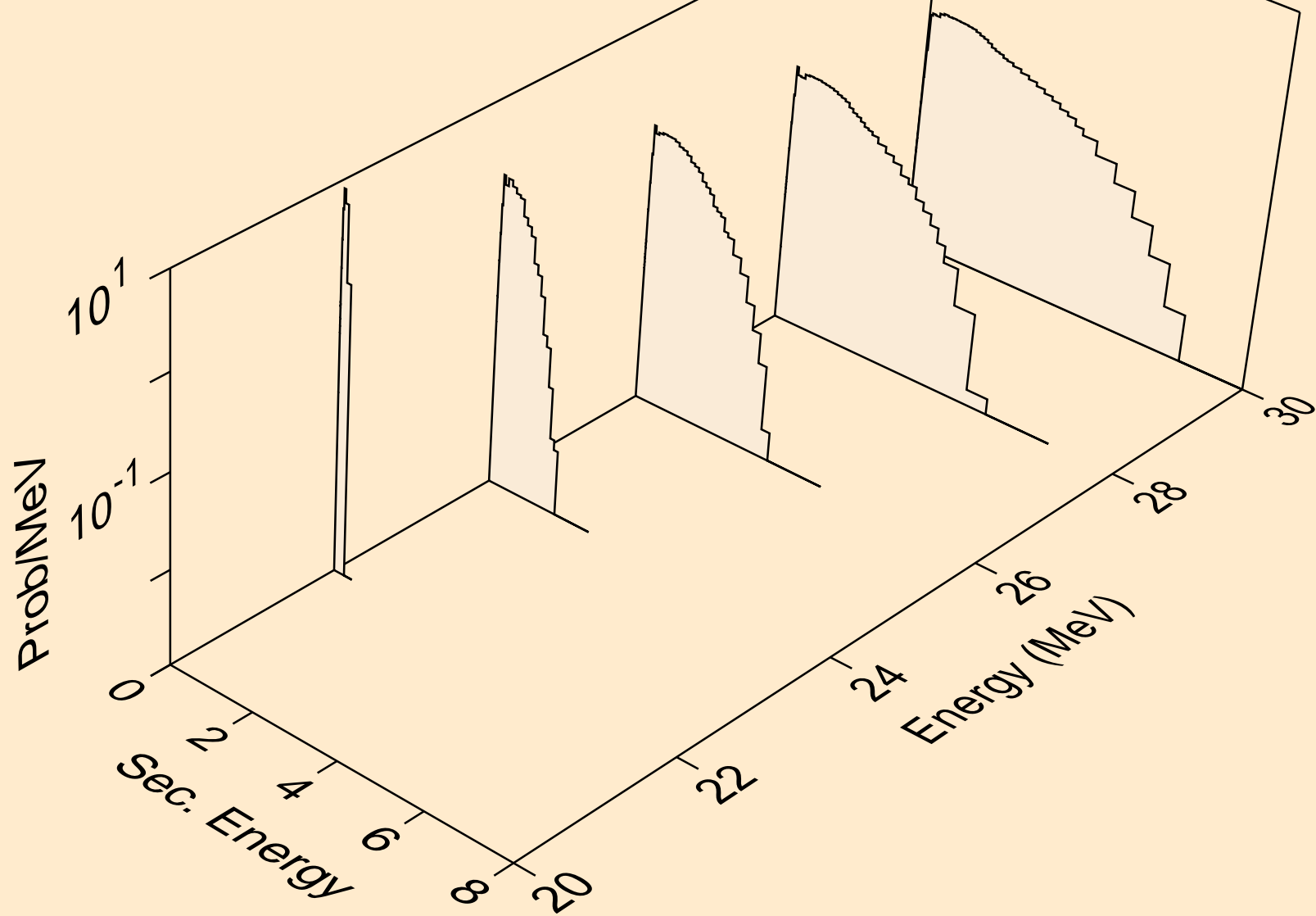
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



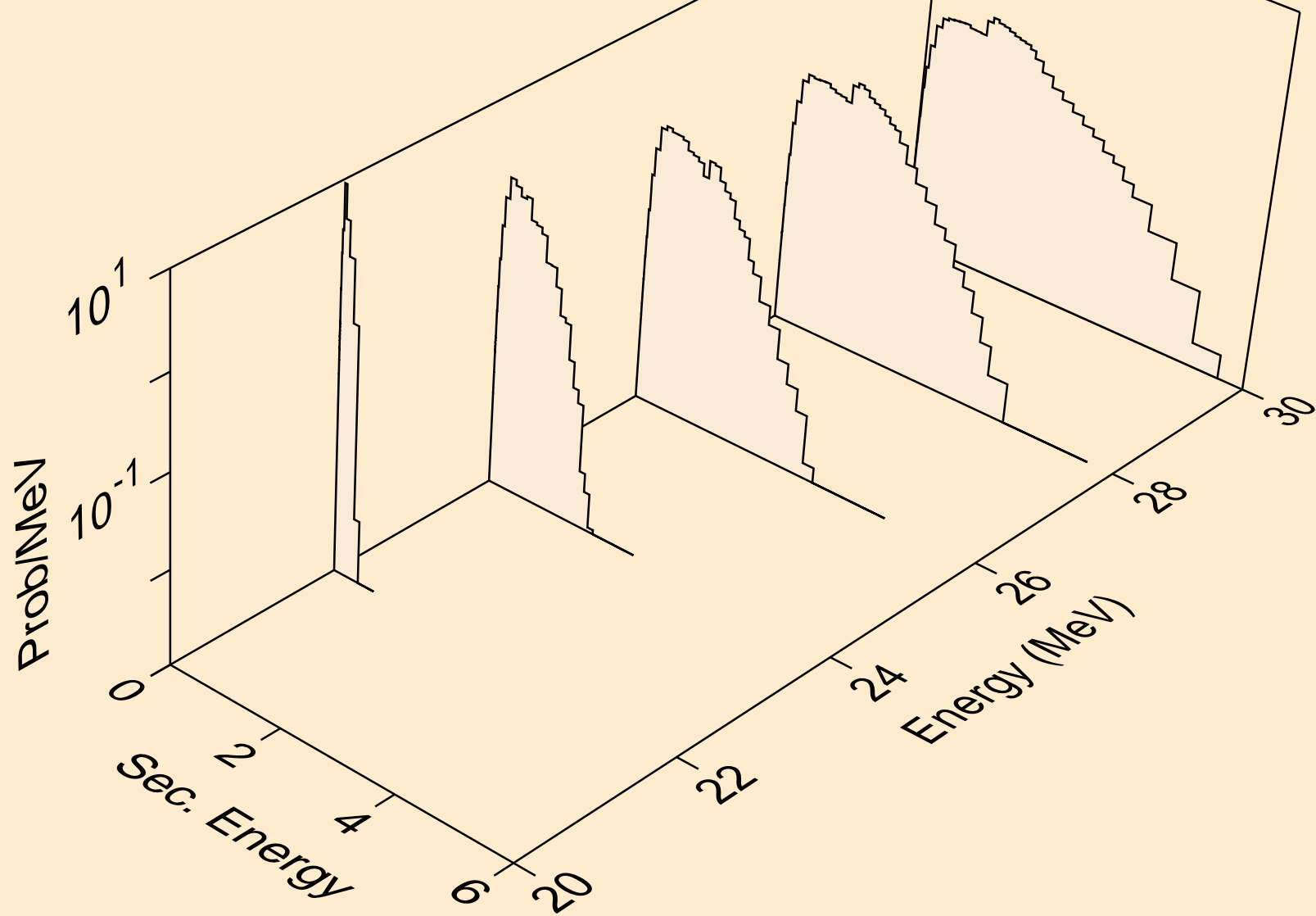
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



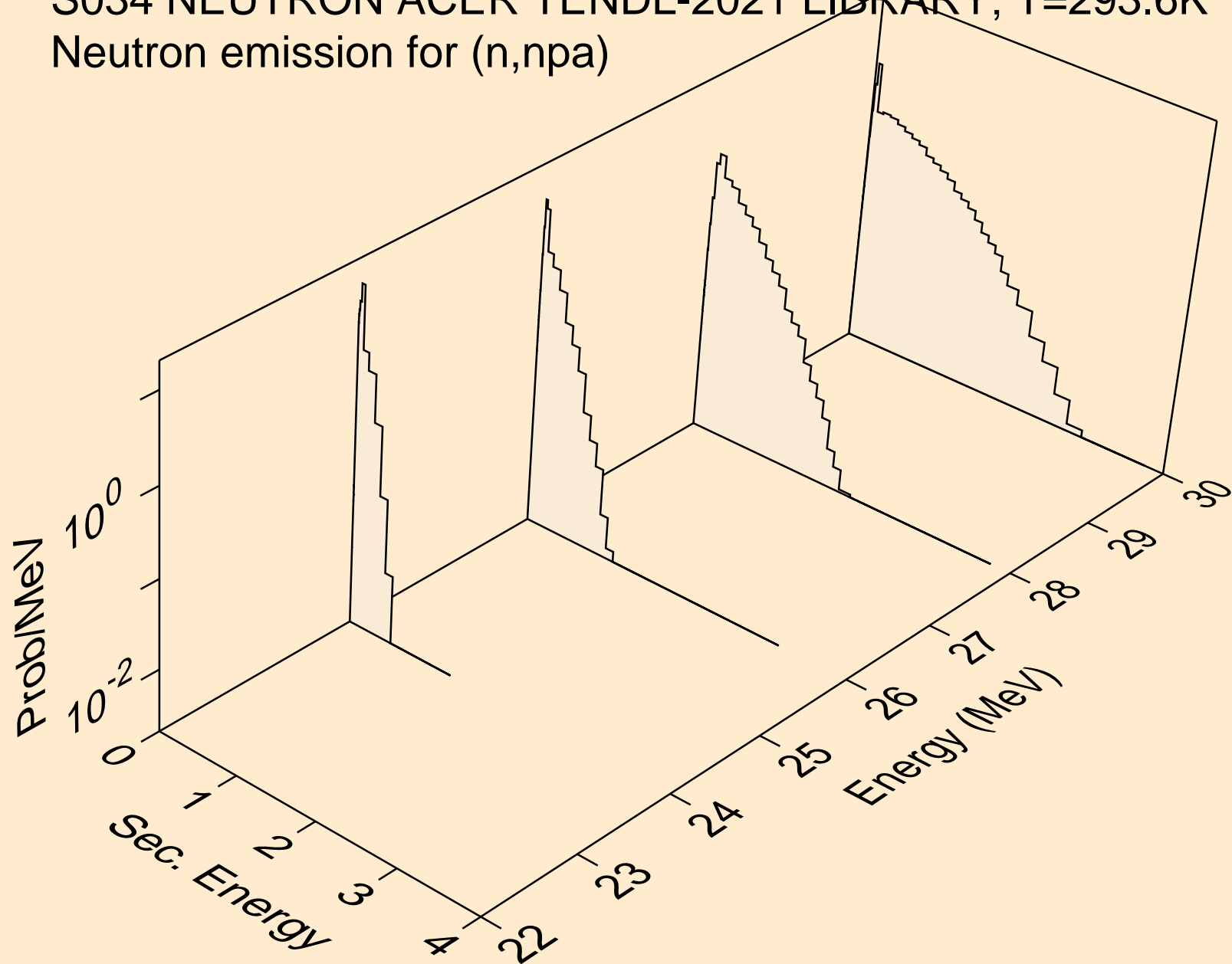
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)

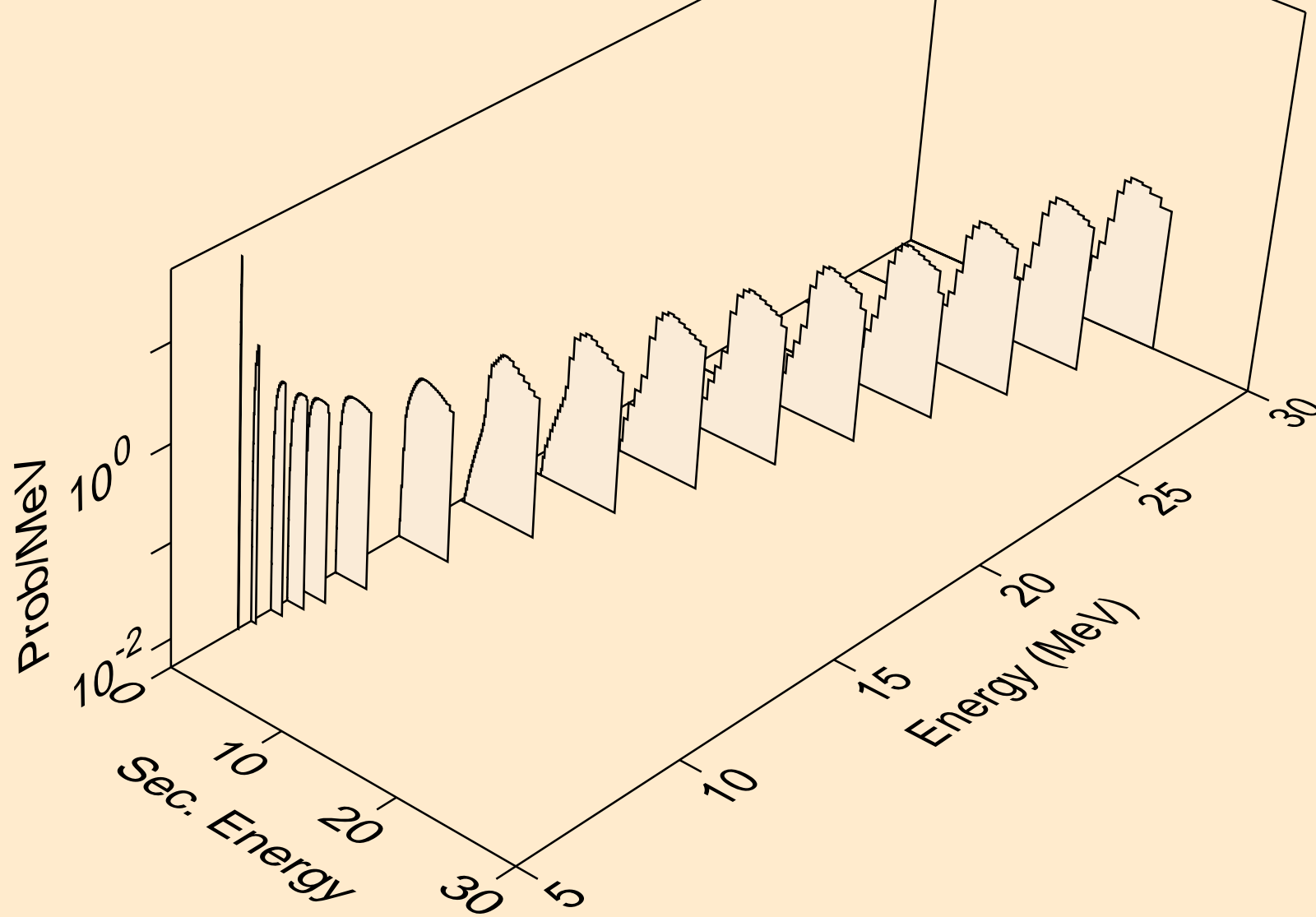


S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)

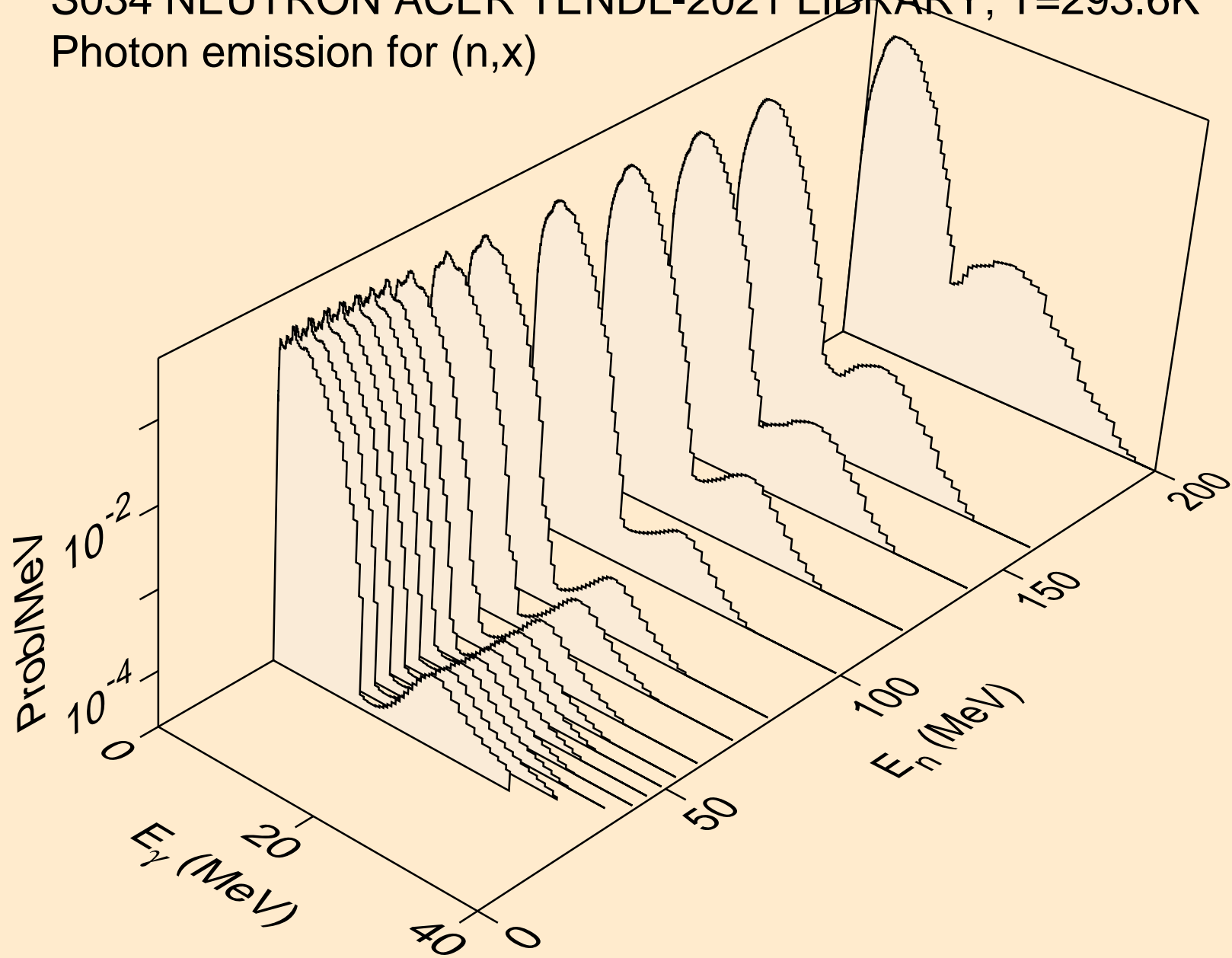




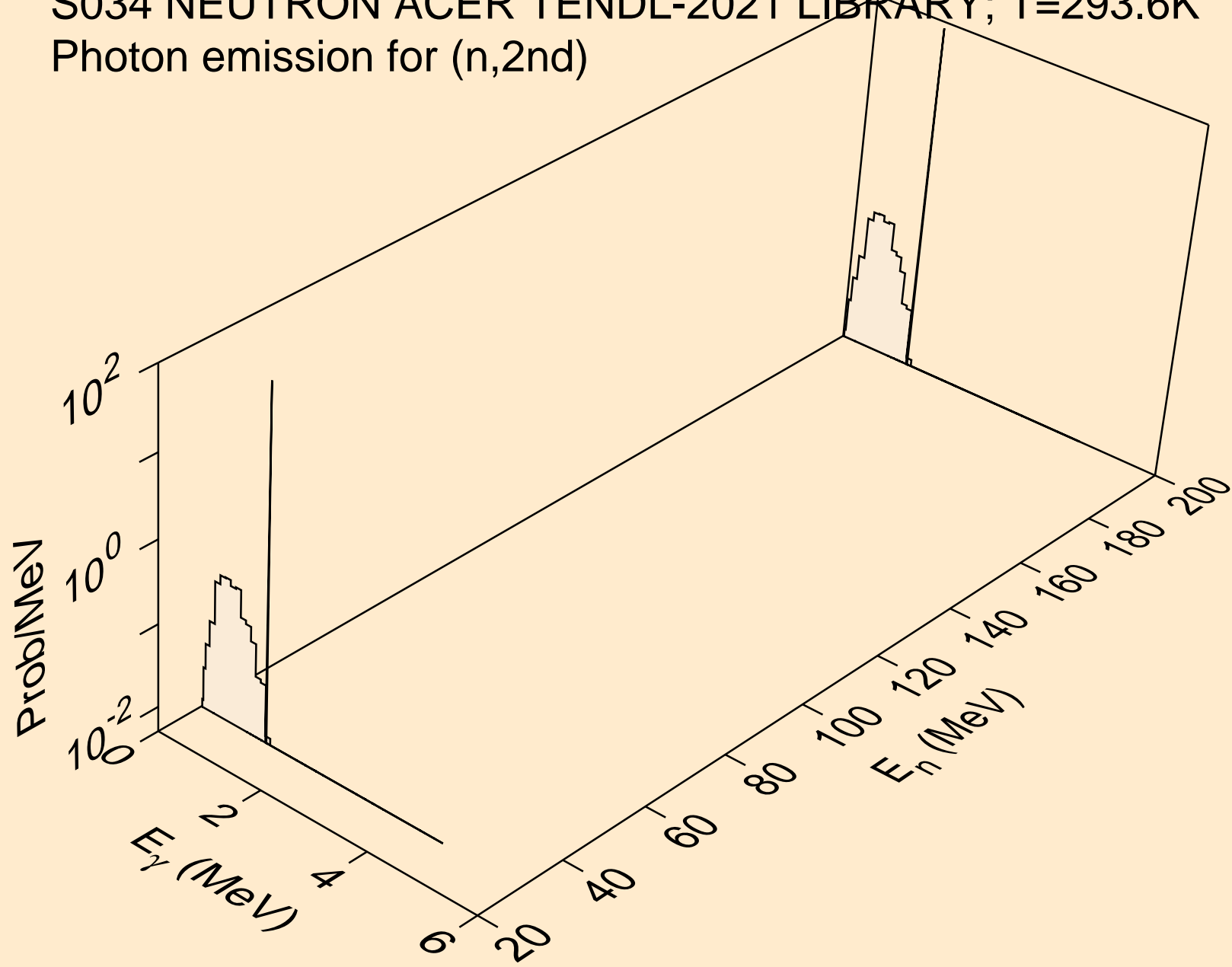
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Neutron emission for (n,n\*c)



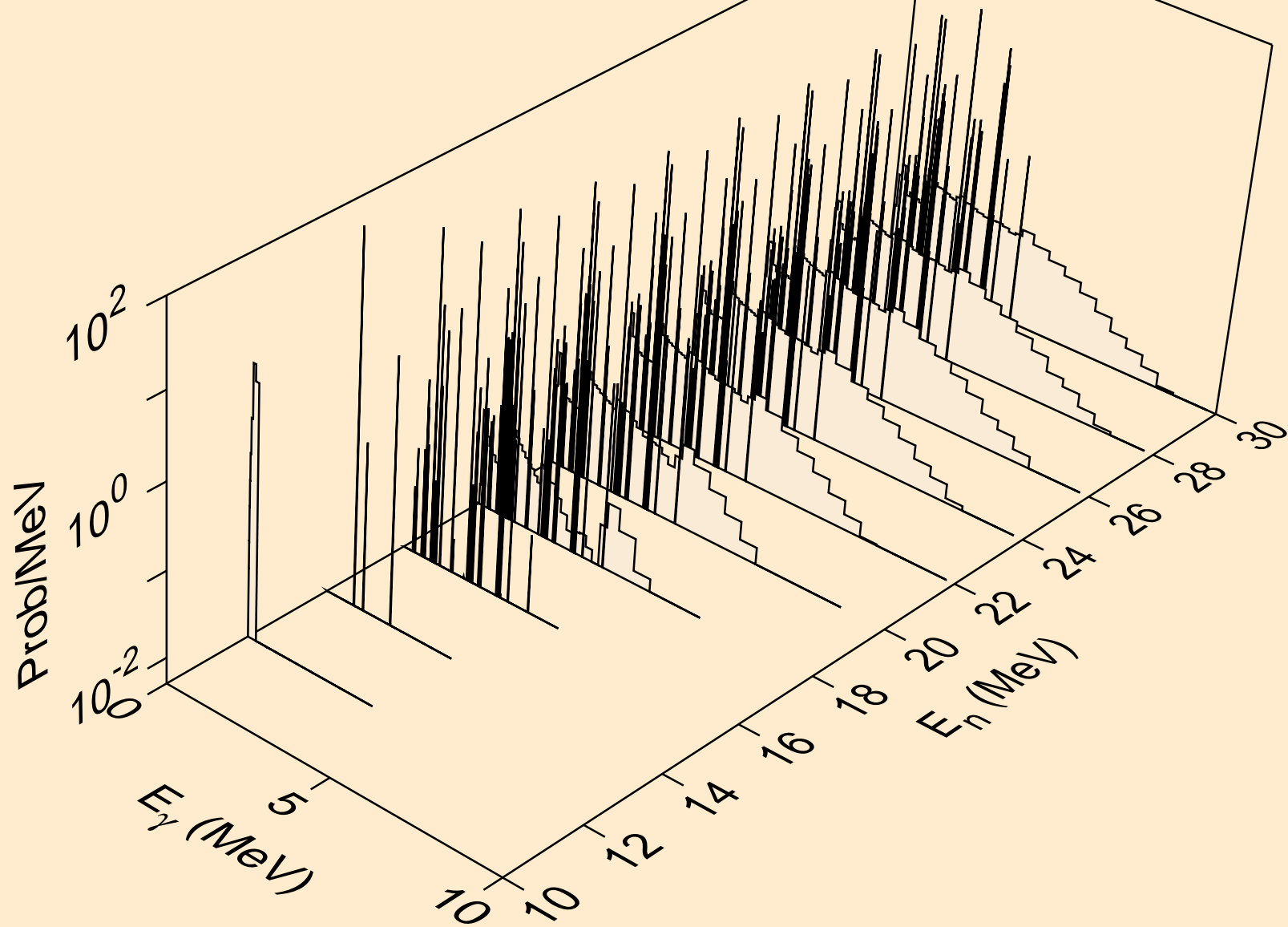
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Photon emission for (n,x)



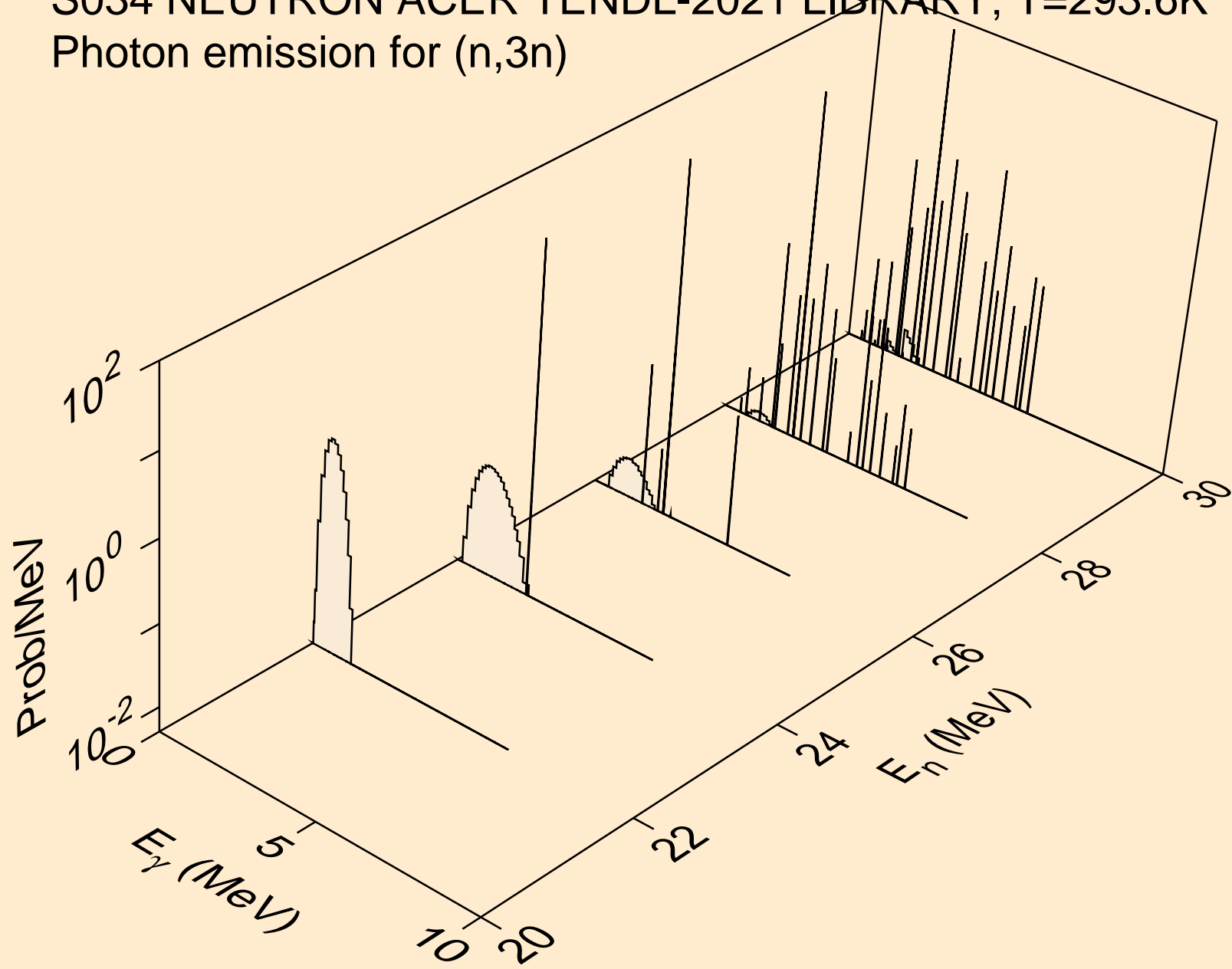
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Photon emission for (n,2nd)



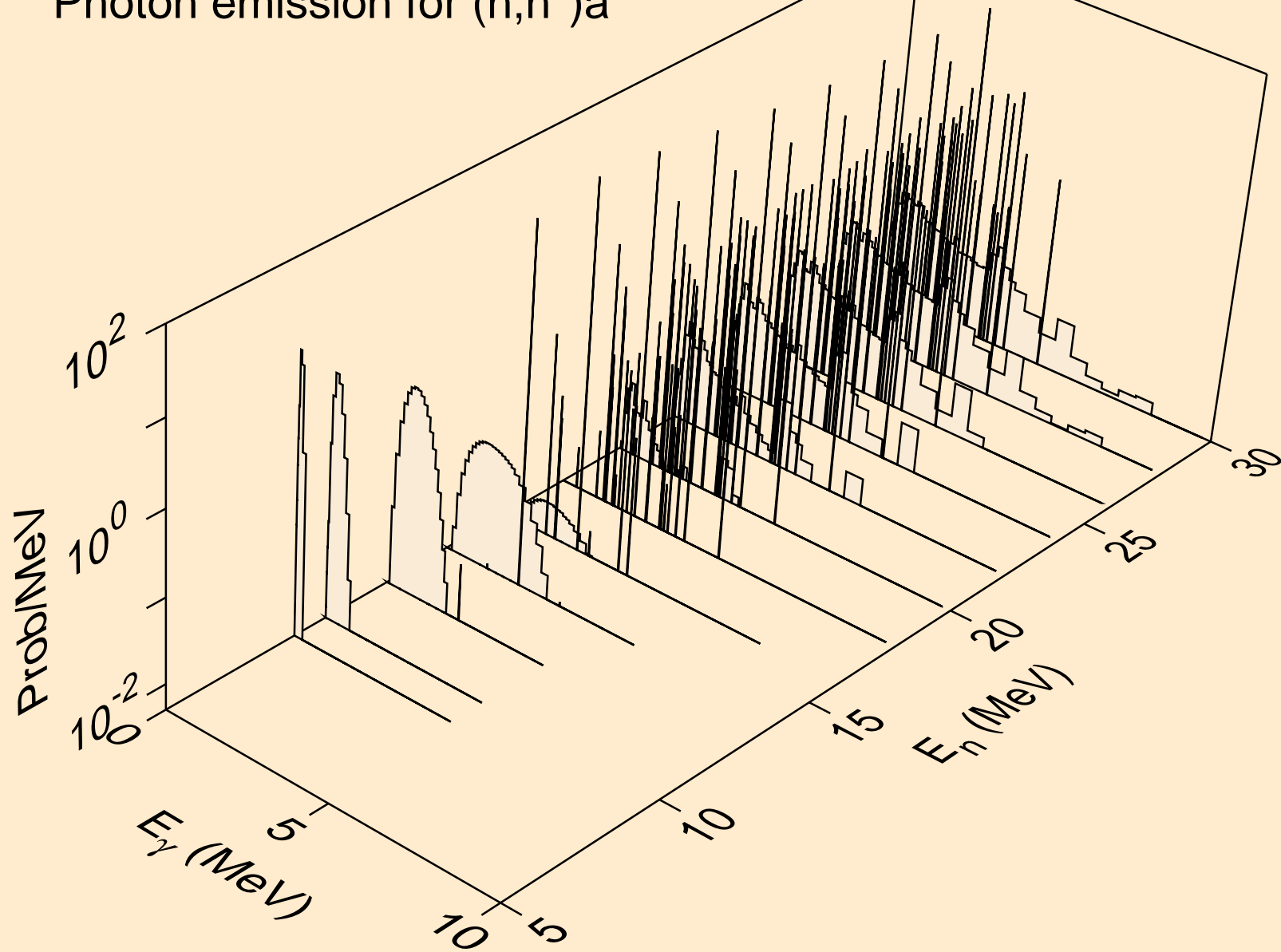
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Photon emission for (n,2n)



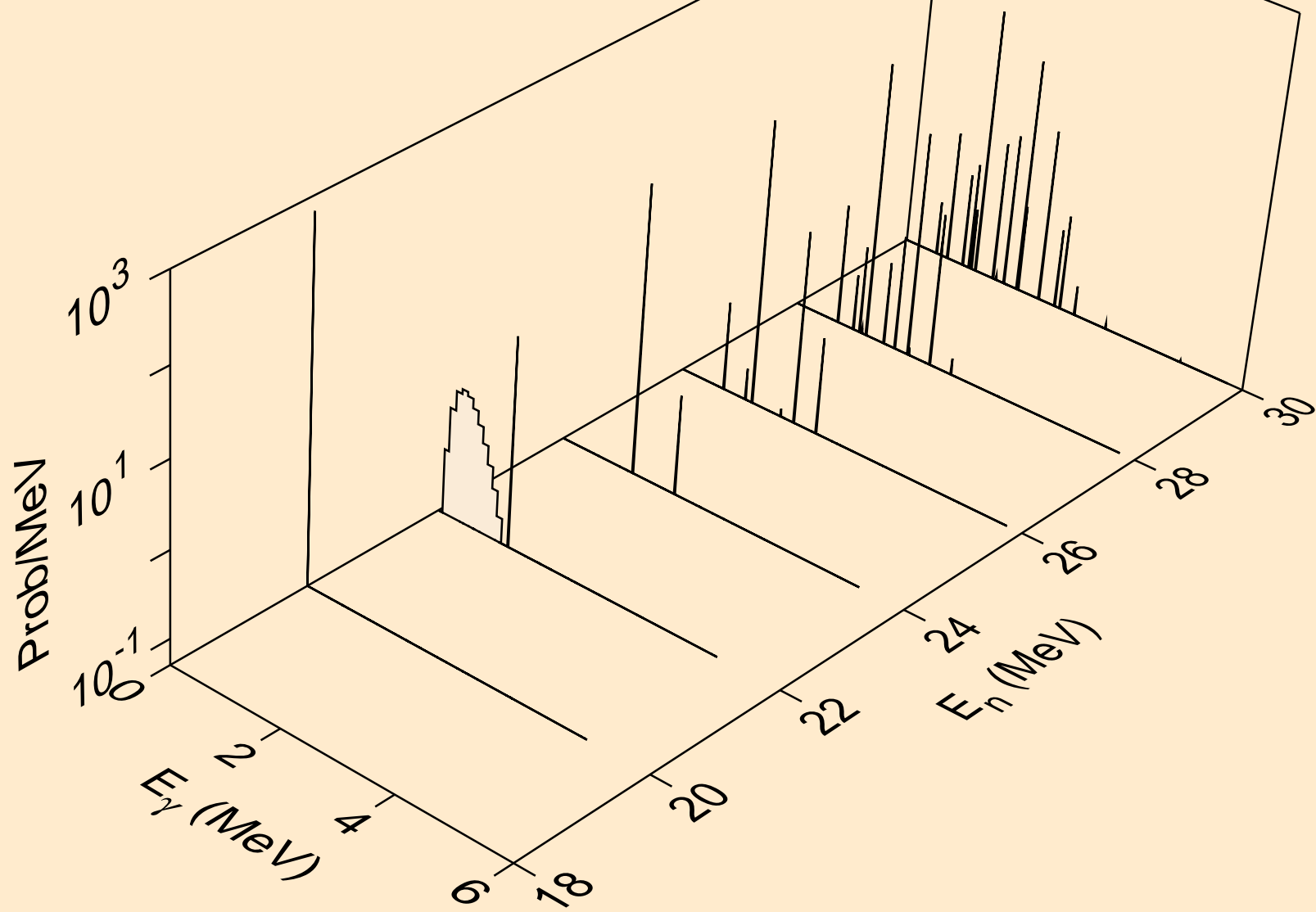
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Photon emission for (n,3n)



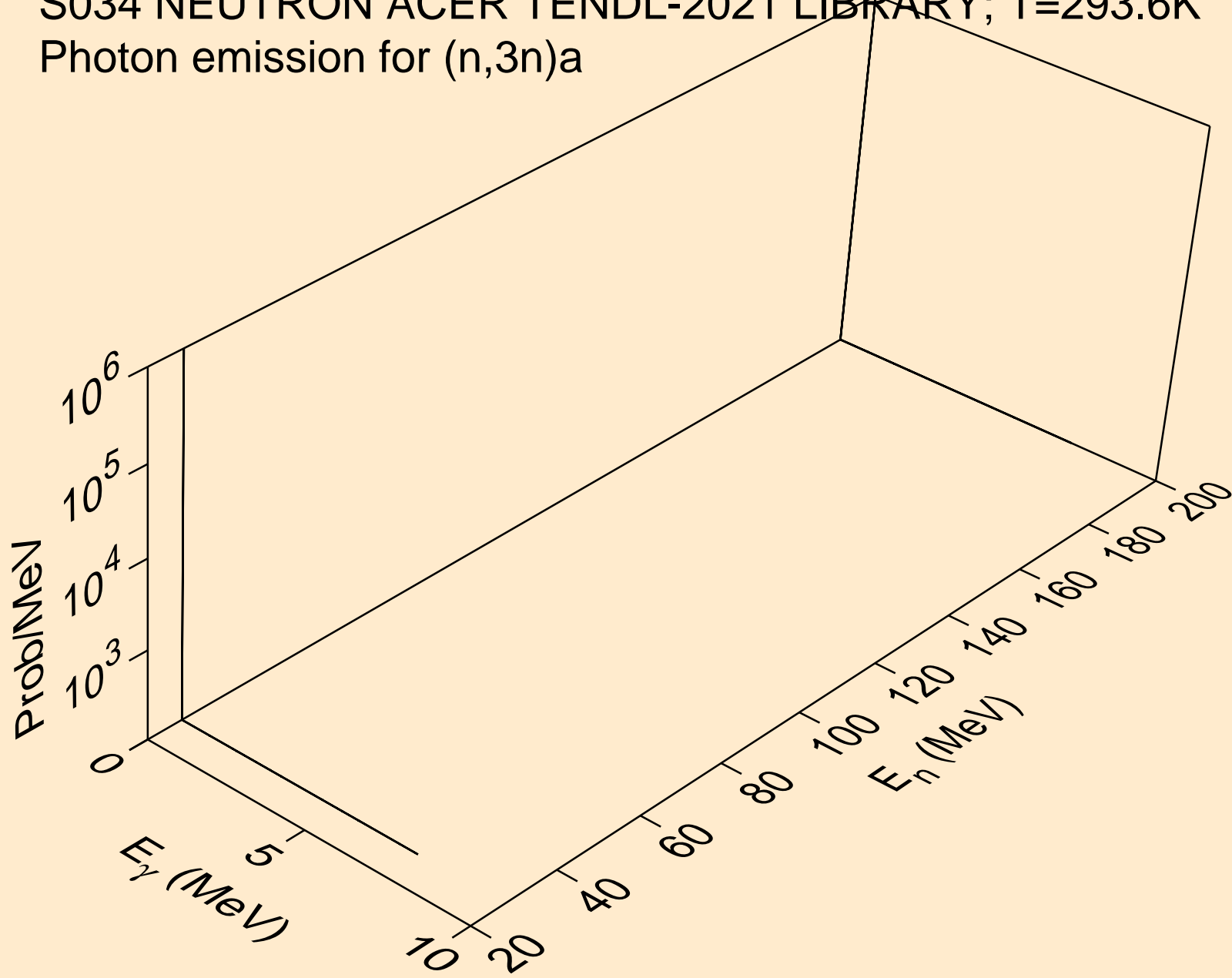
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)a

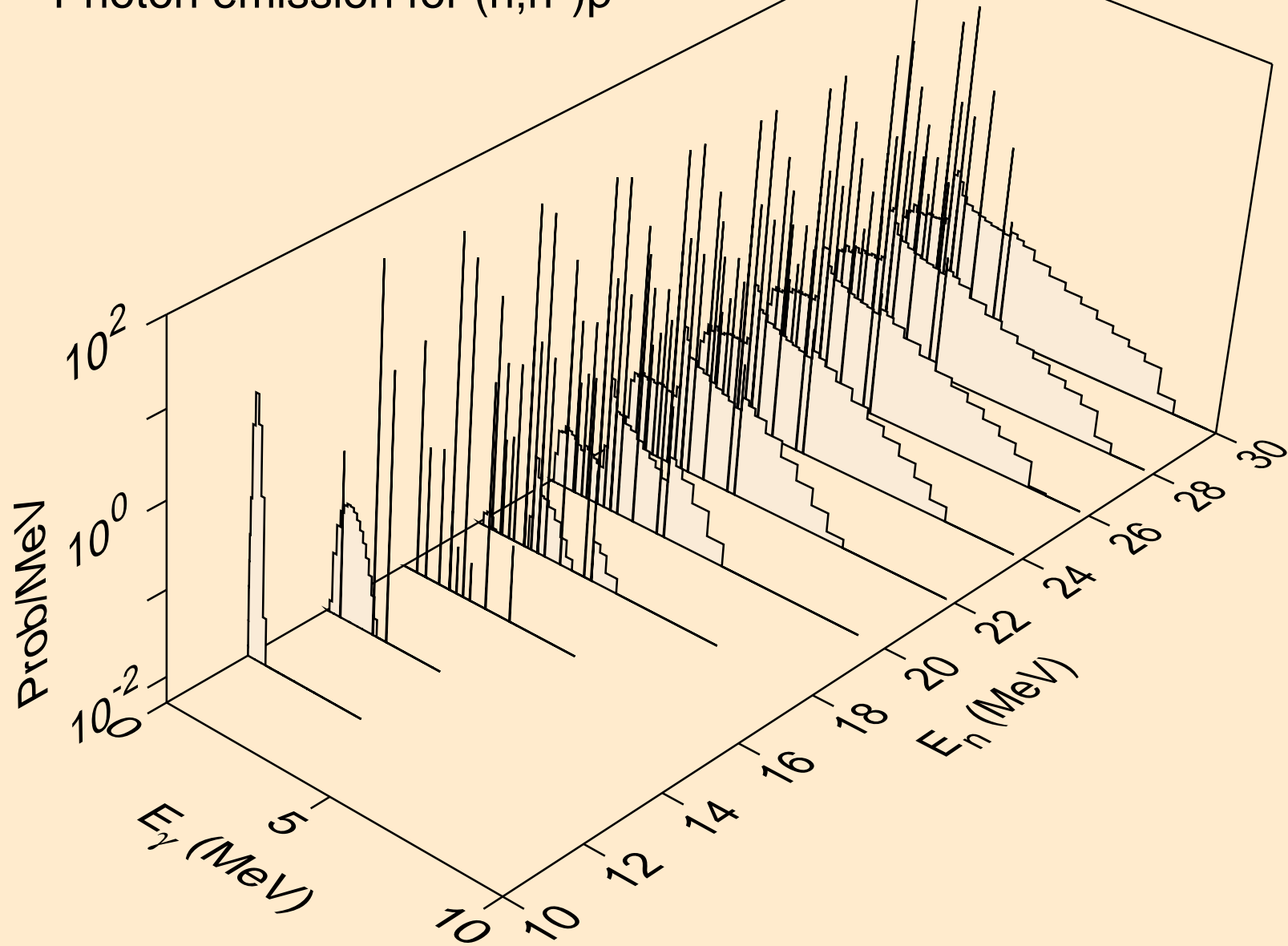


S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)a

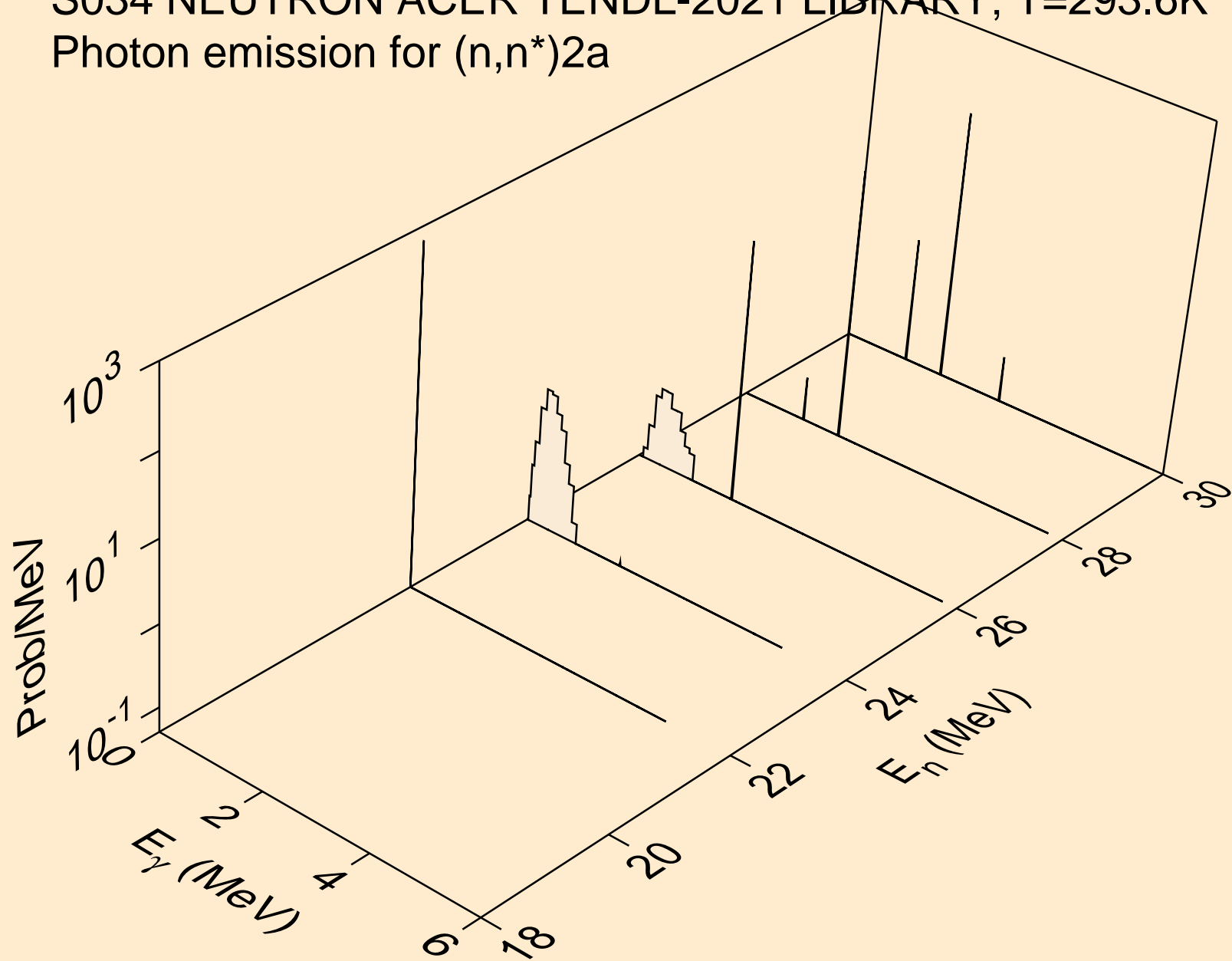




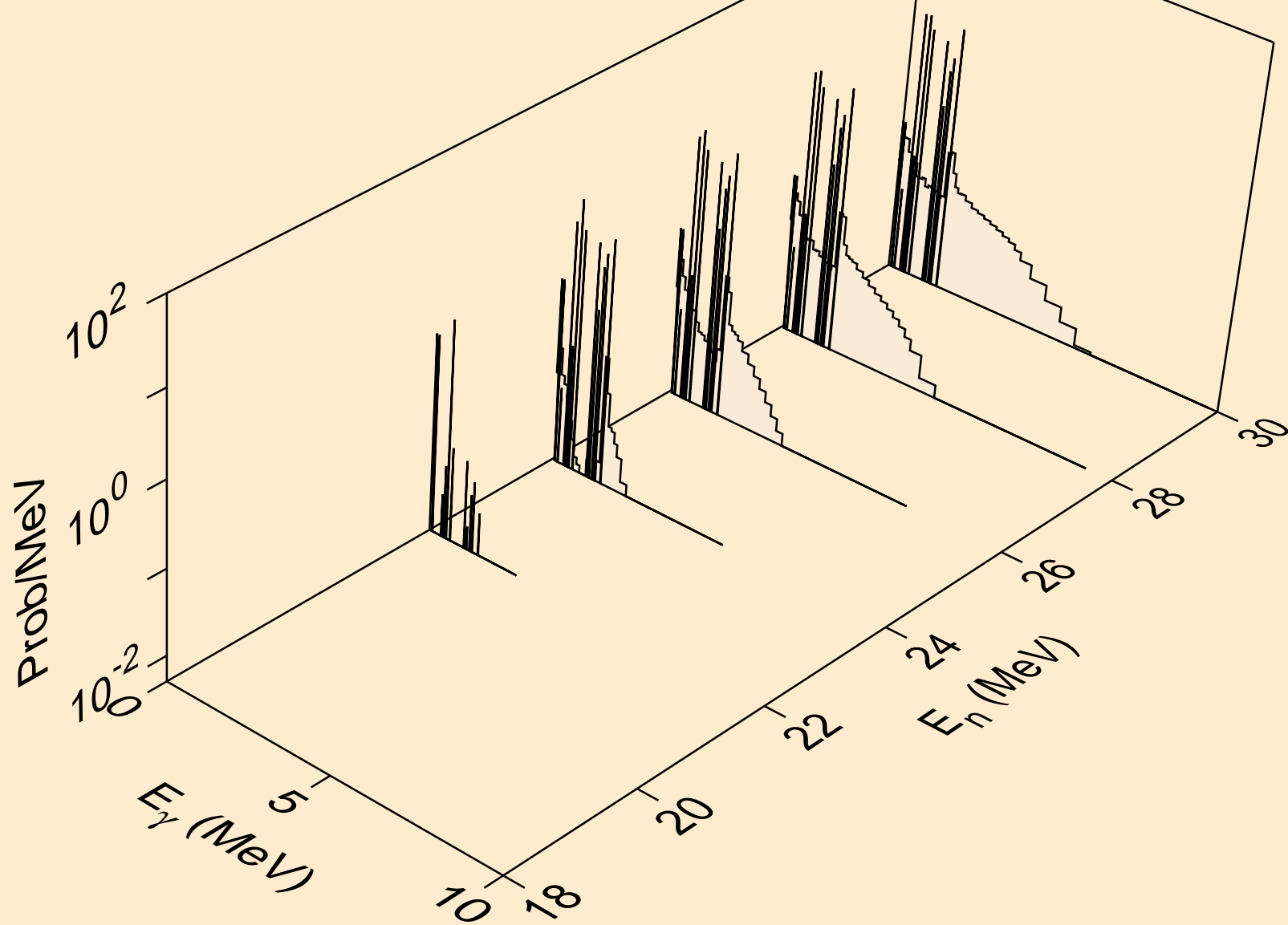
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Photon emission for (n,n\*)p



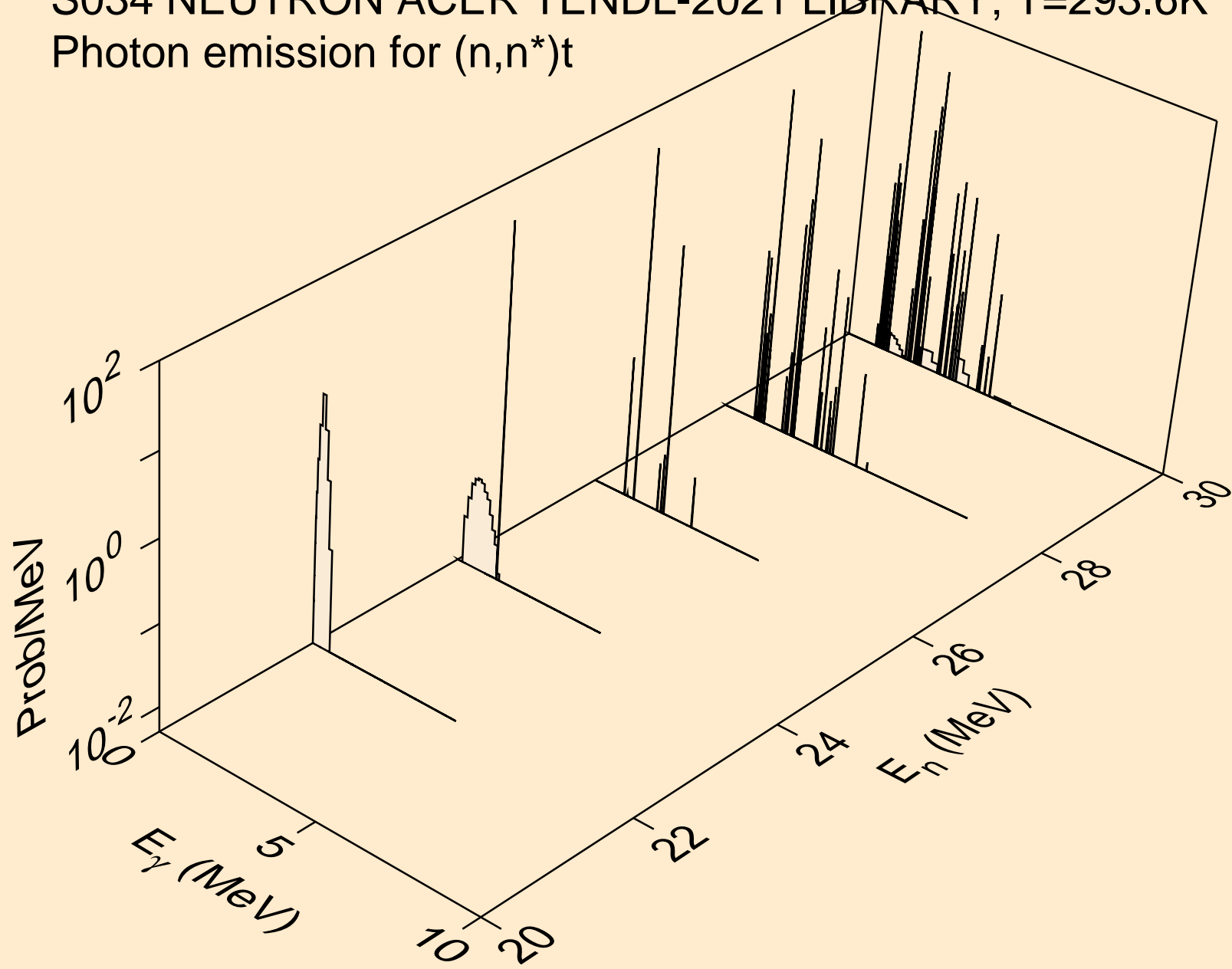
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Photon emission for (n,n\*)2a



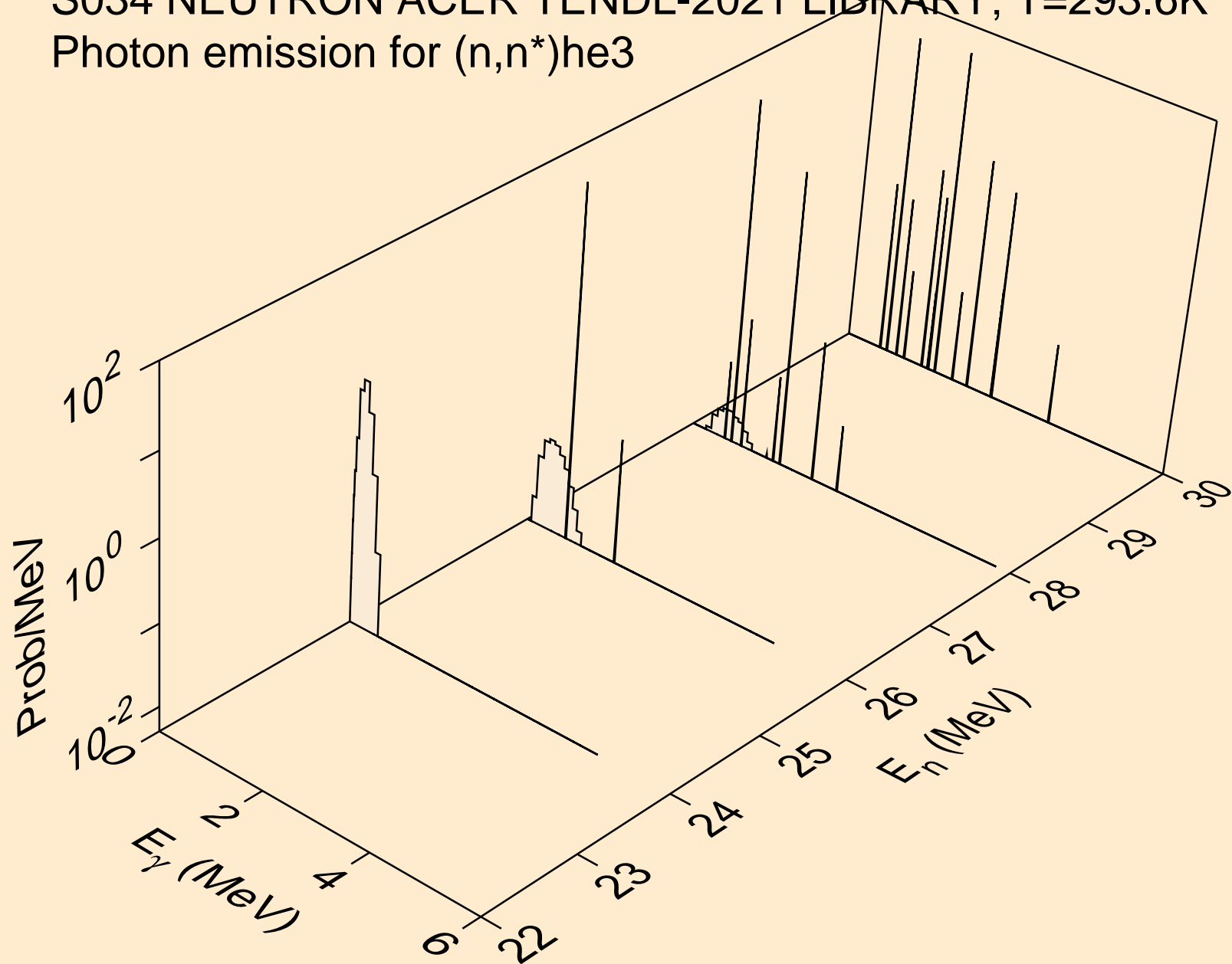
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Photon emission for (n,n\*)d



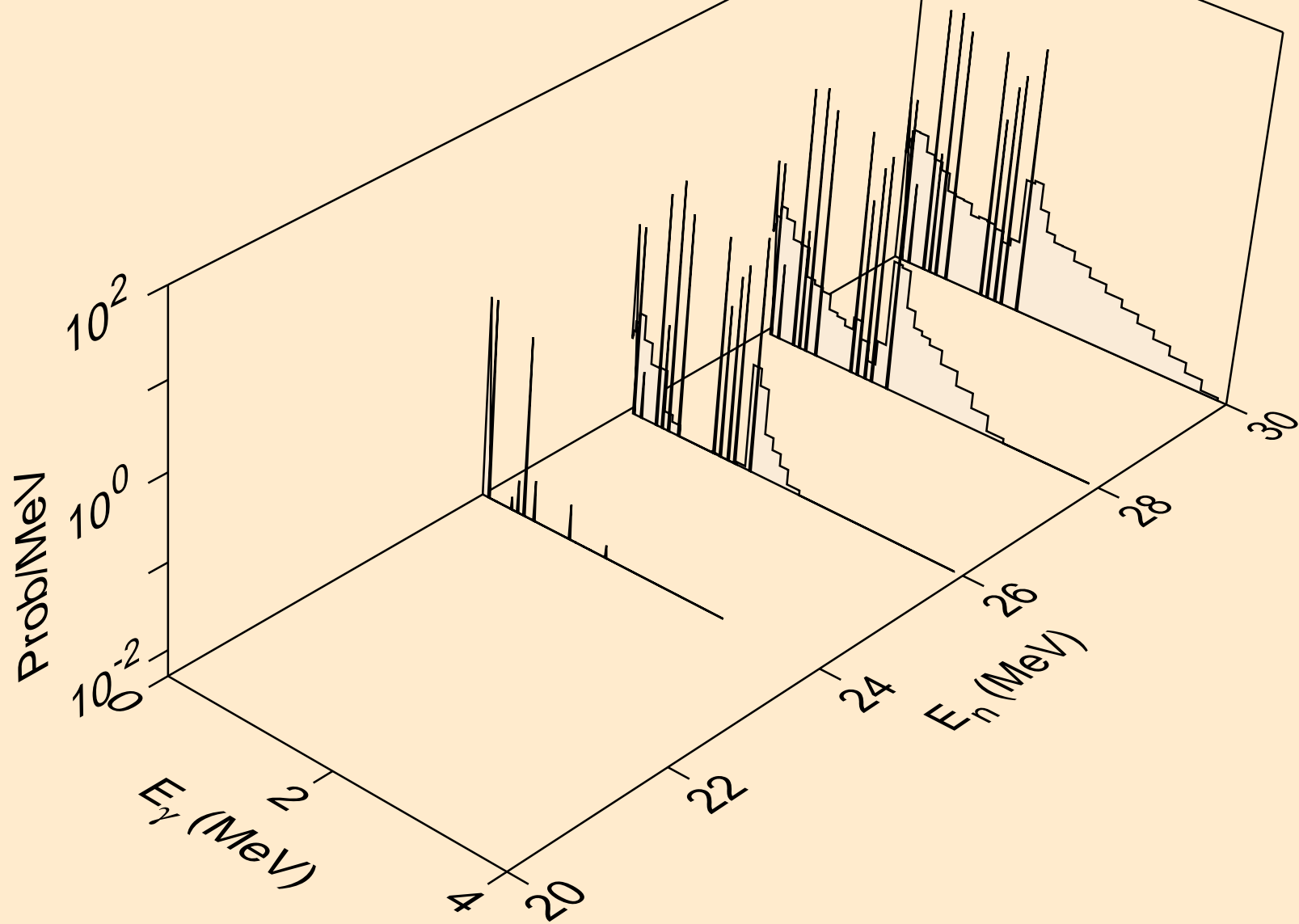
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Photon emission for (n,n\*)t



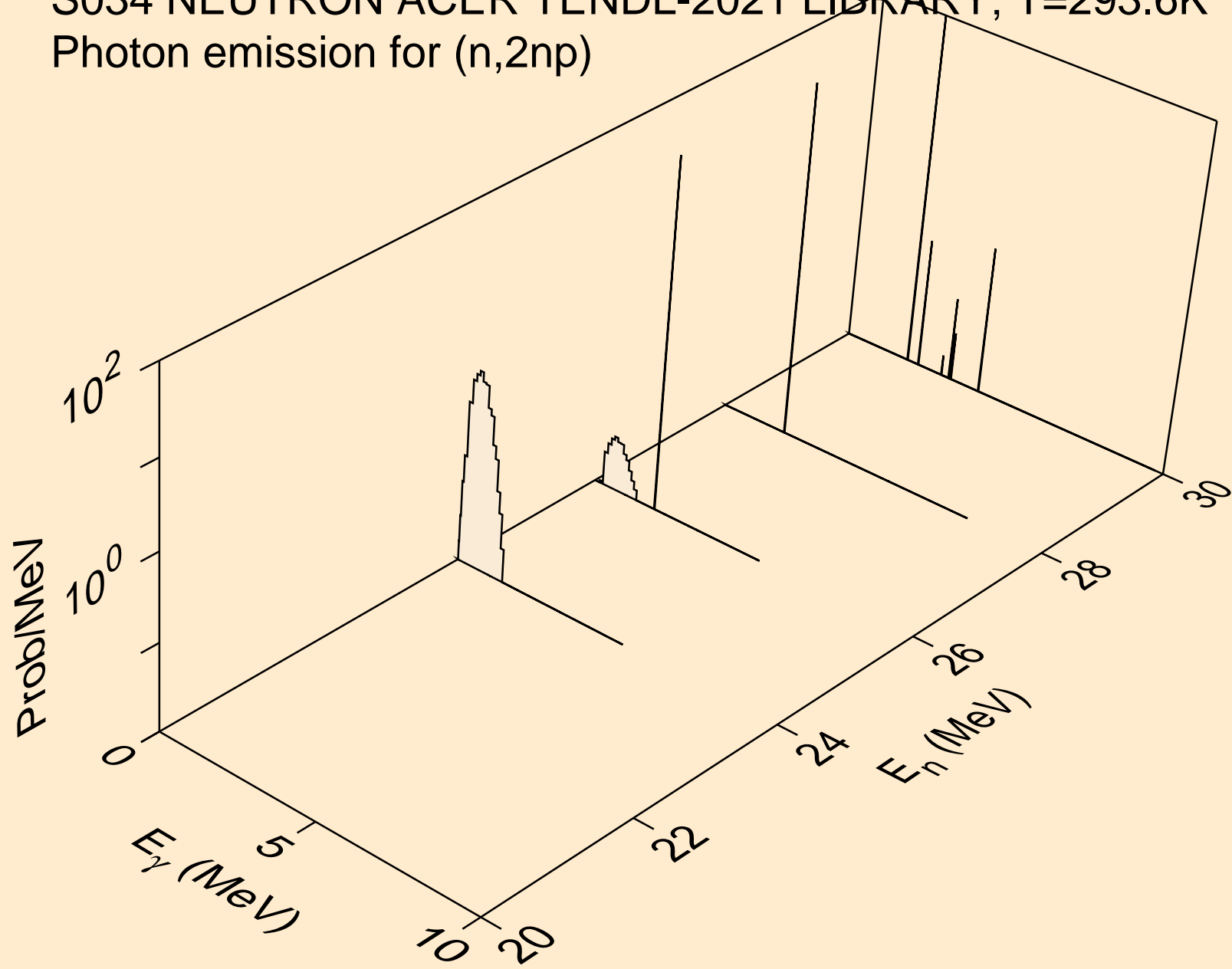
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Photon emission for (n,n\*)he3



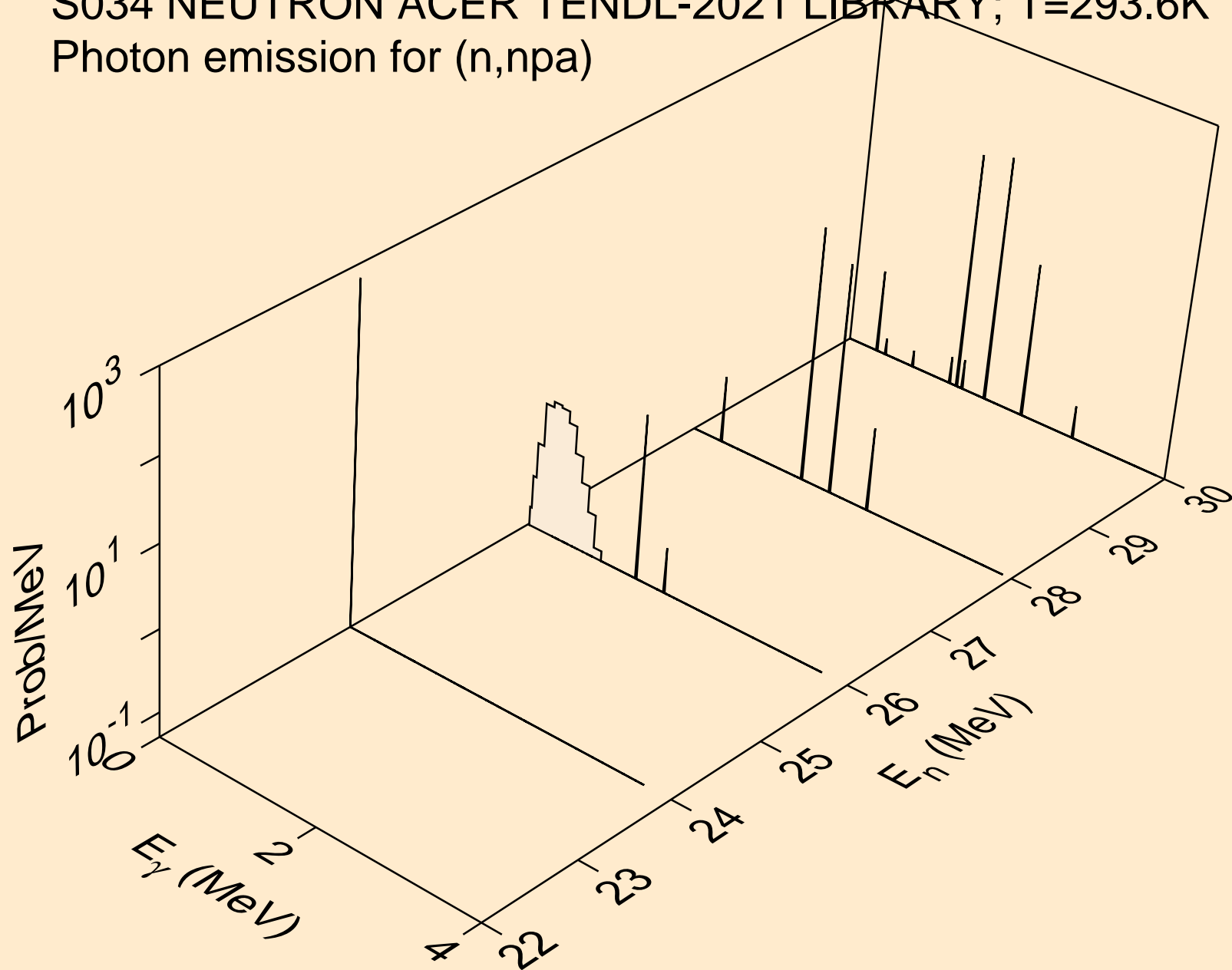
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)

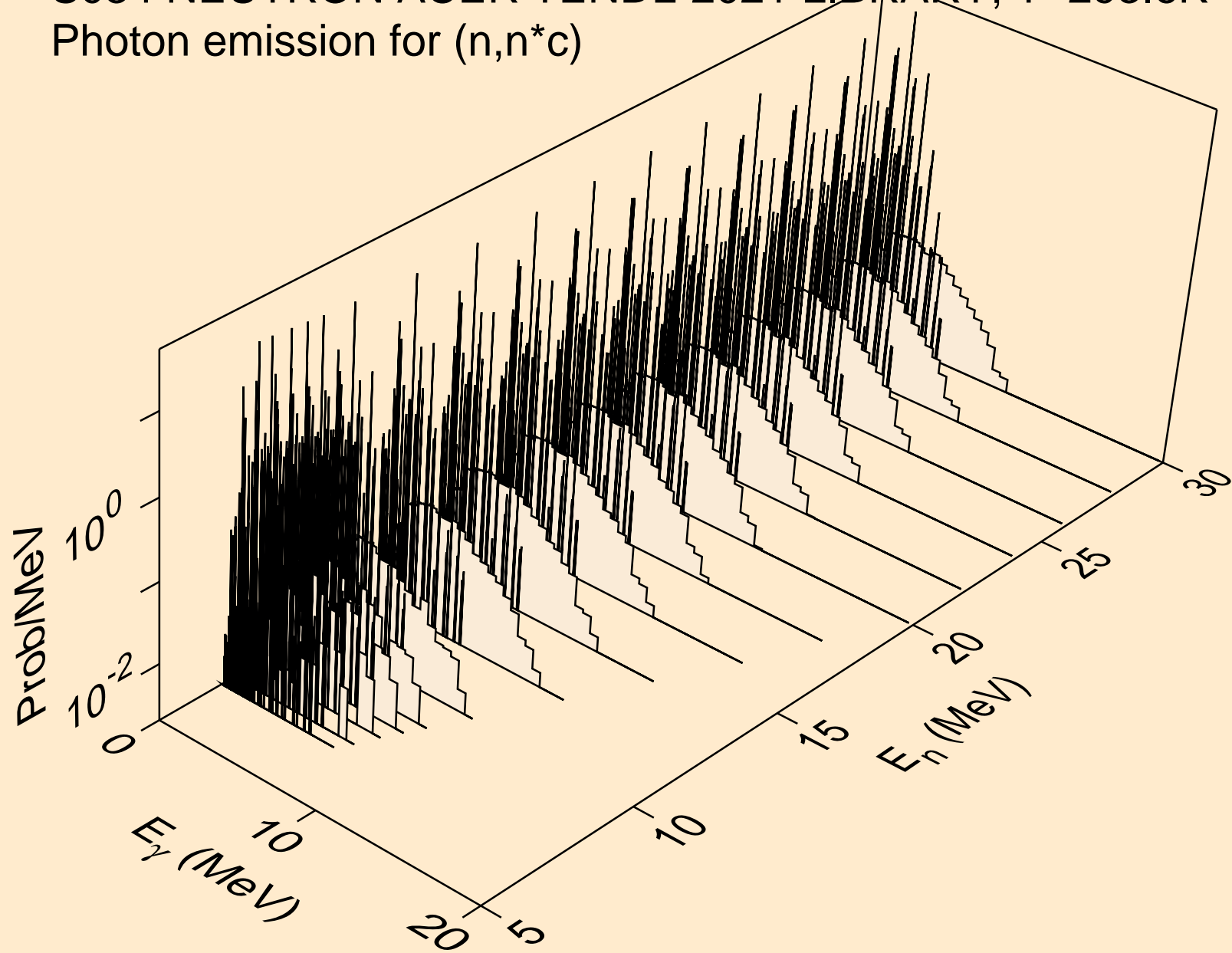


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Photon emission for (n,npa)

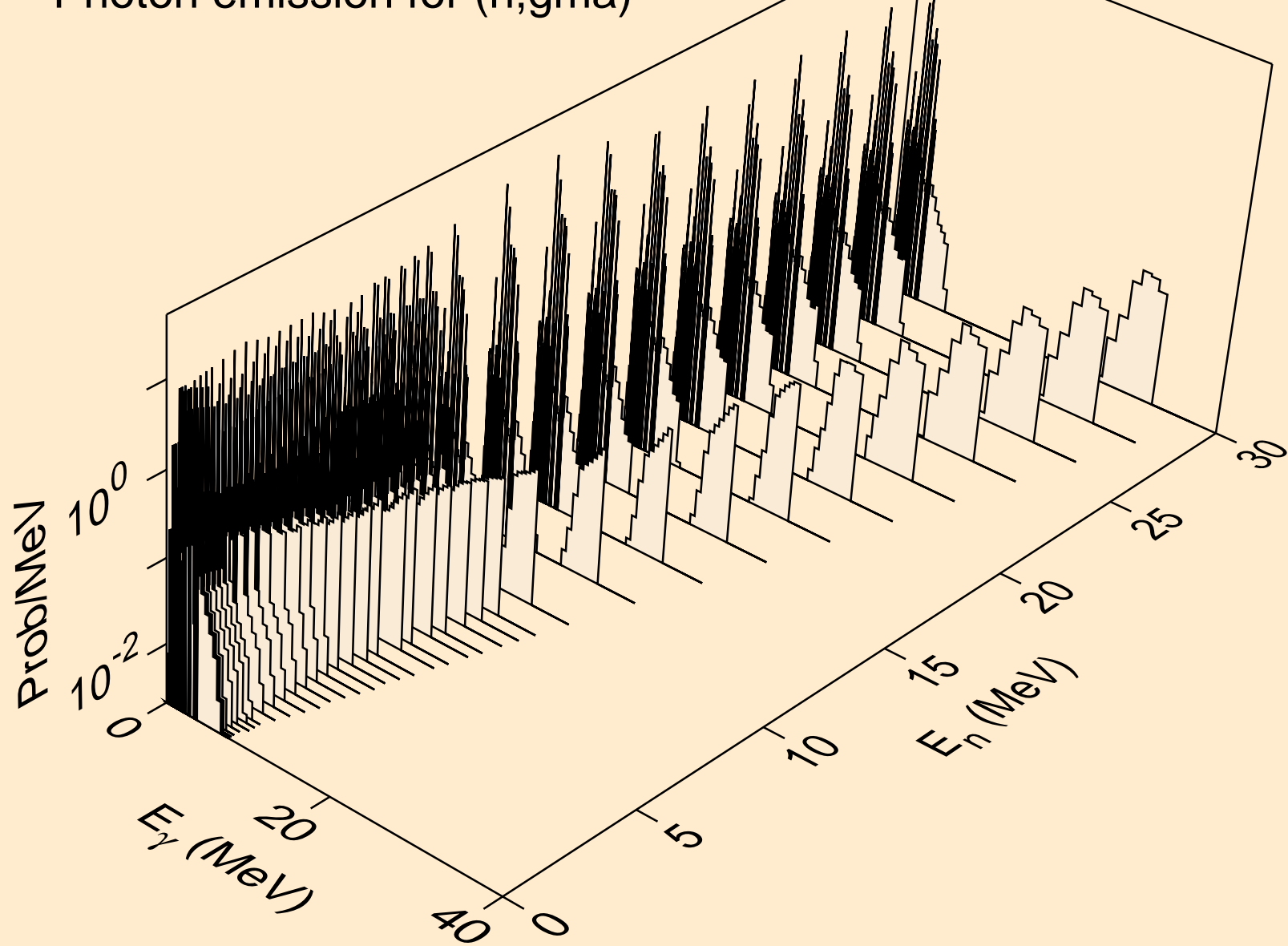




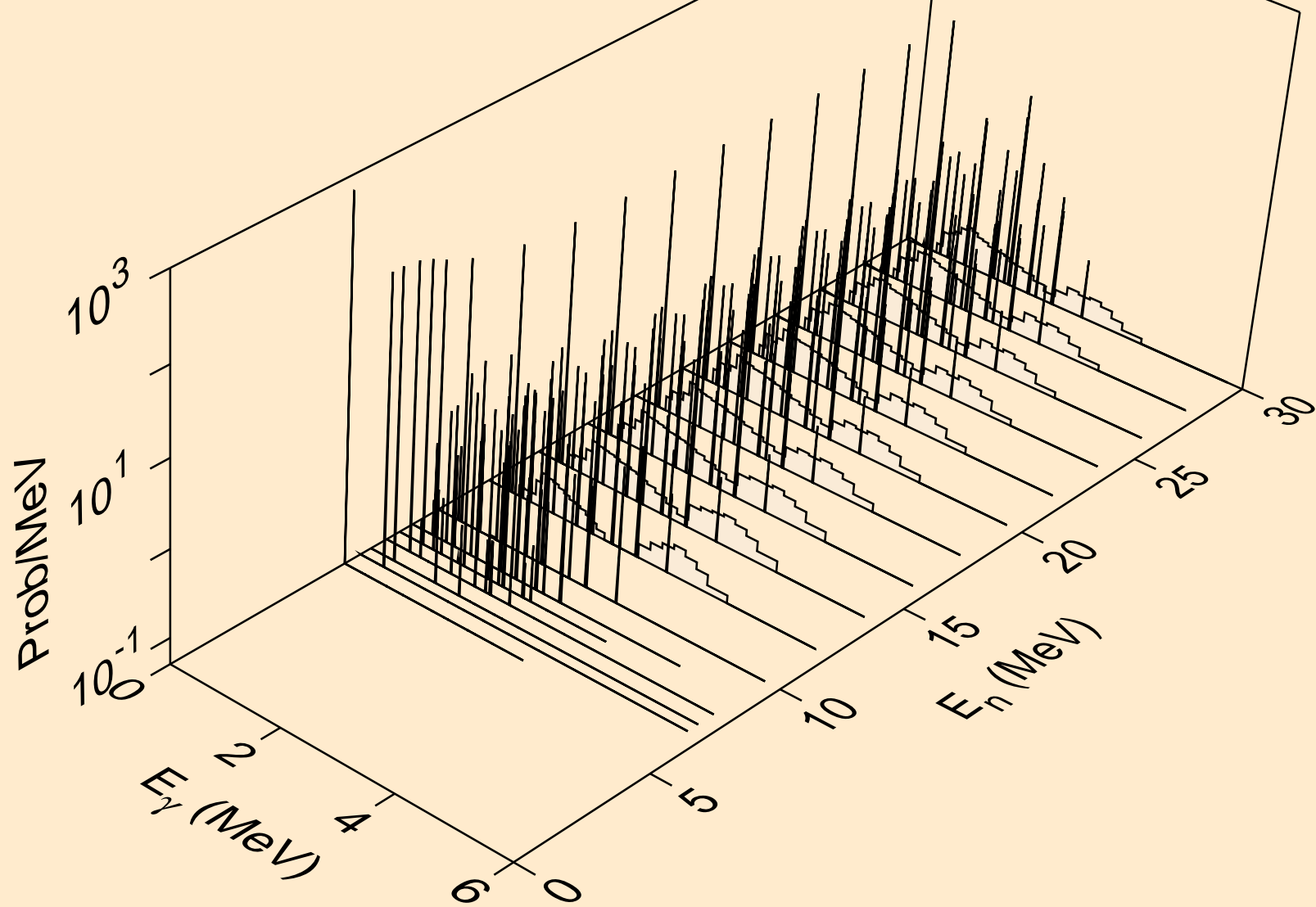
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Photon emission for (n,n\*c)



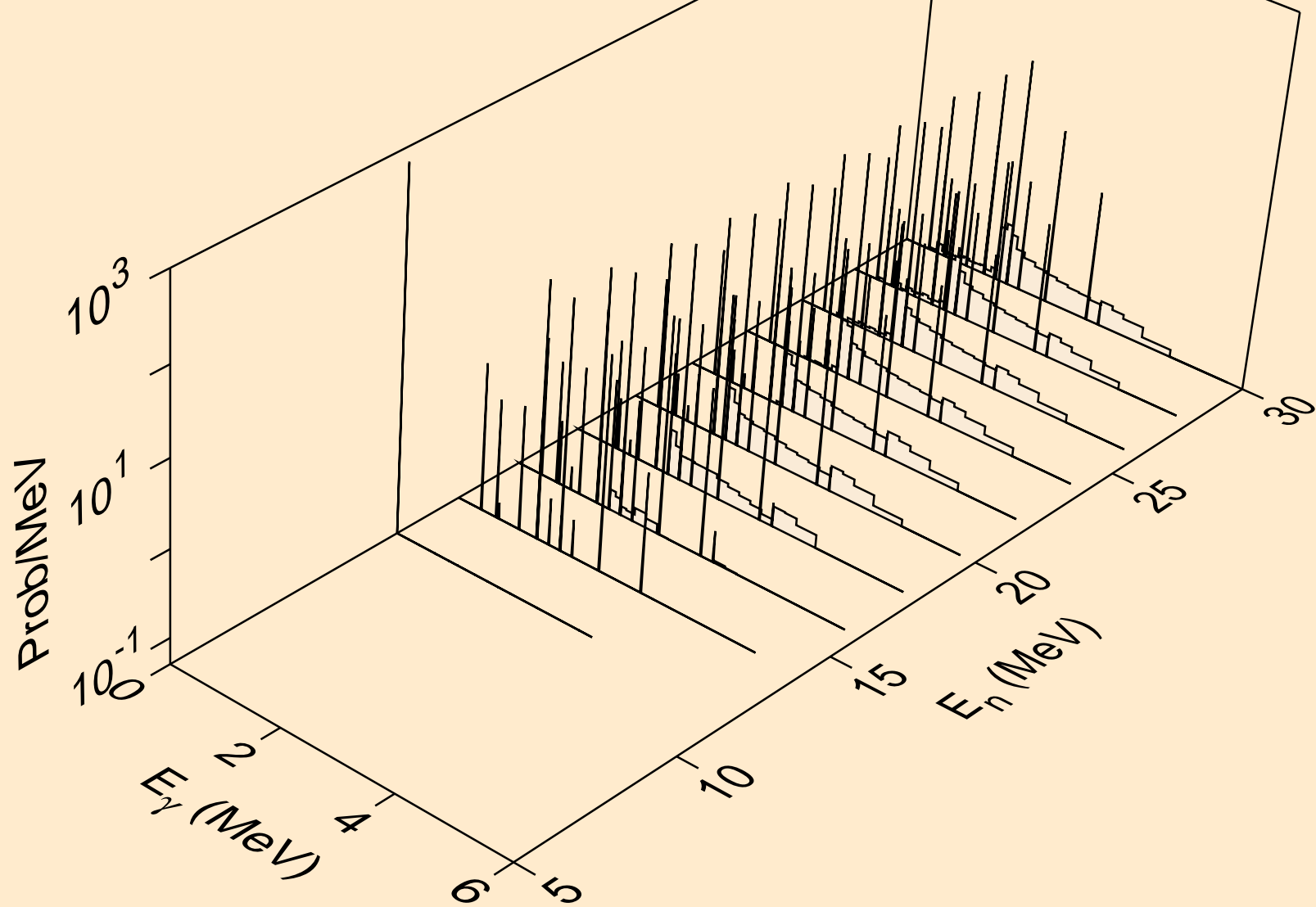
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Photon emission for (n,gma)



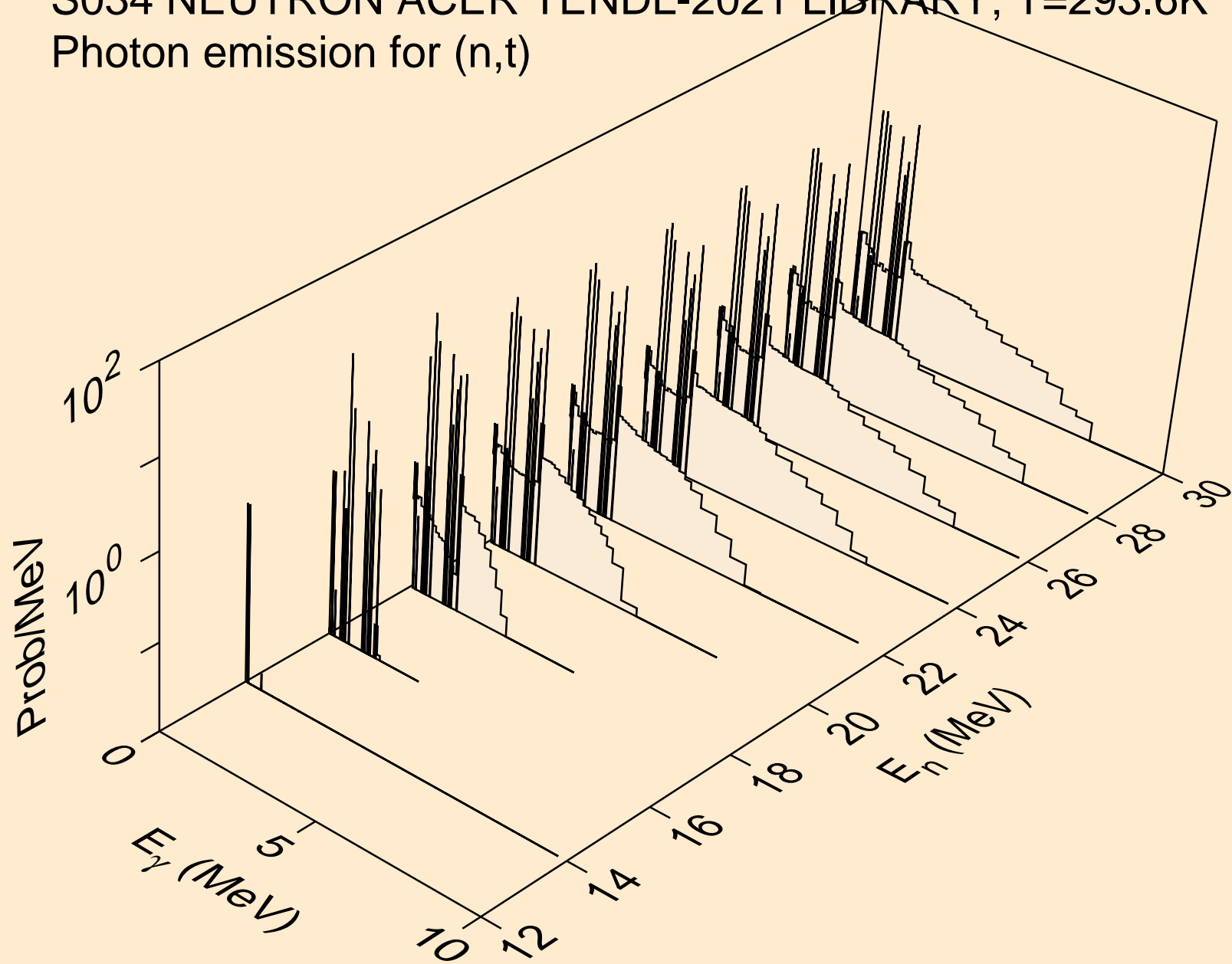
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Photon emission for (n,p)



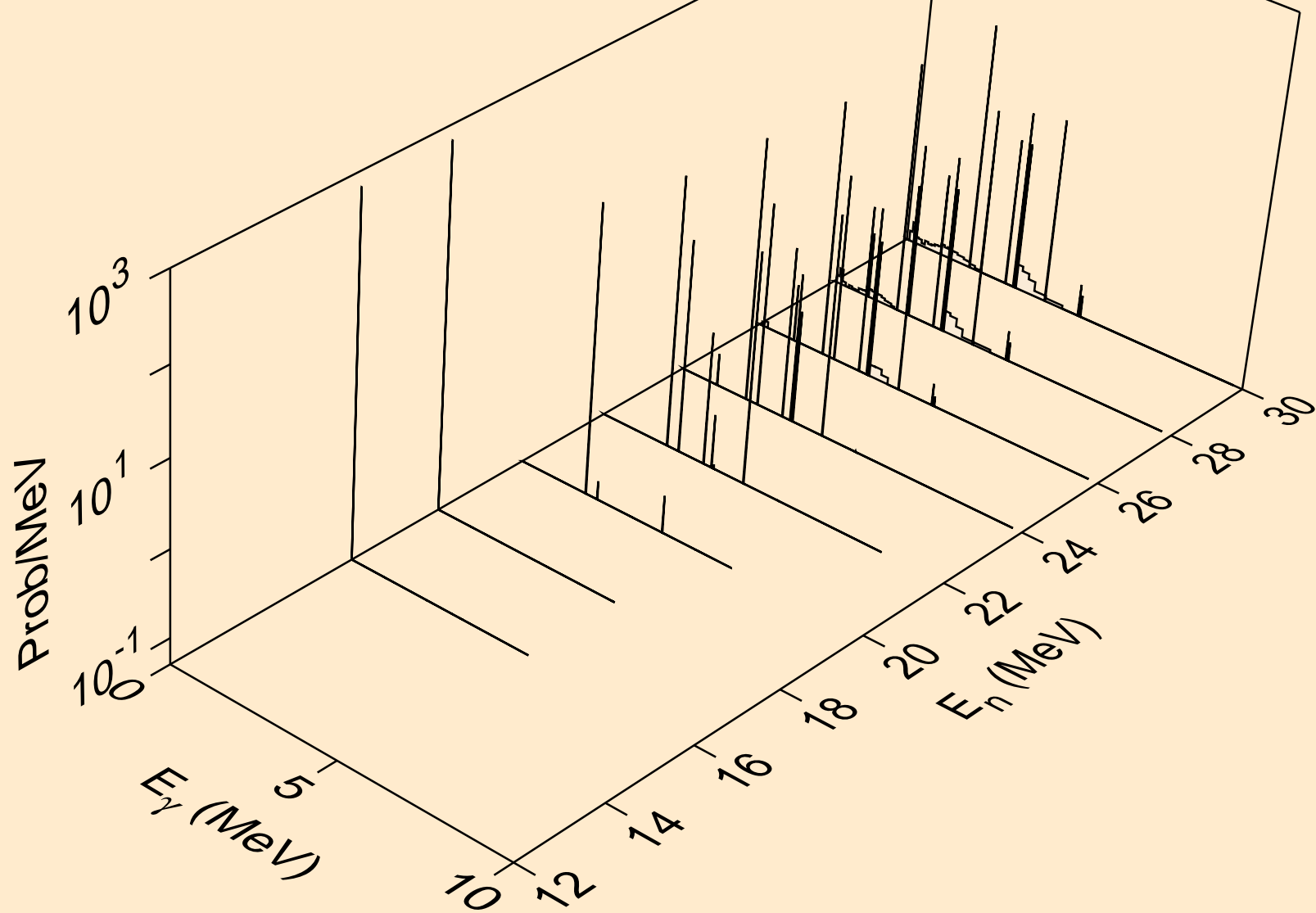
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Photon emission for (n,d)



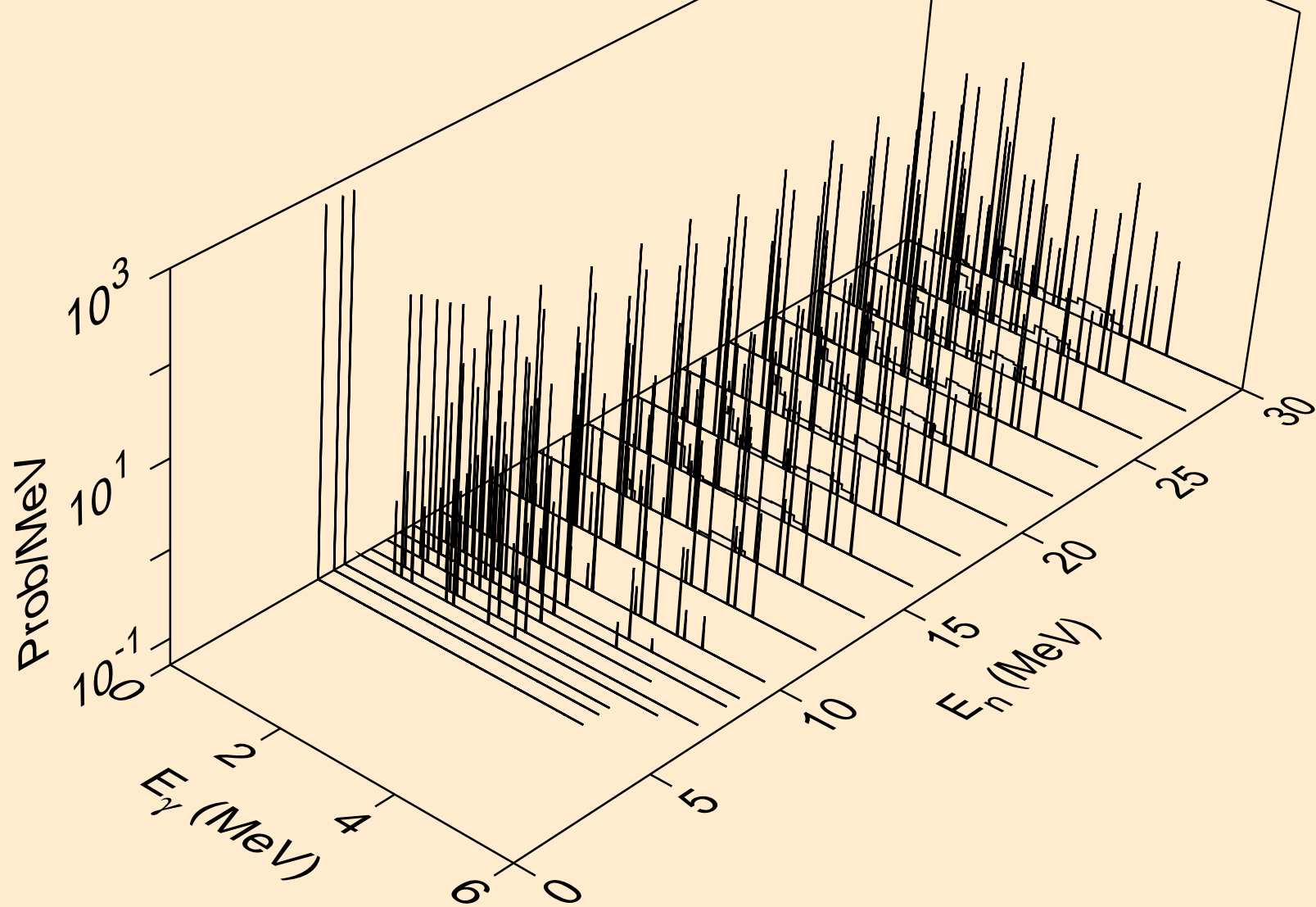
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Photon emission for (n,t)



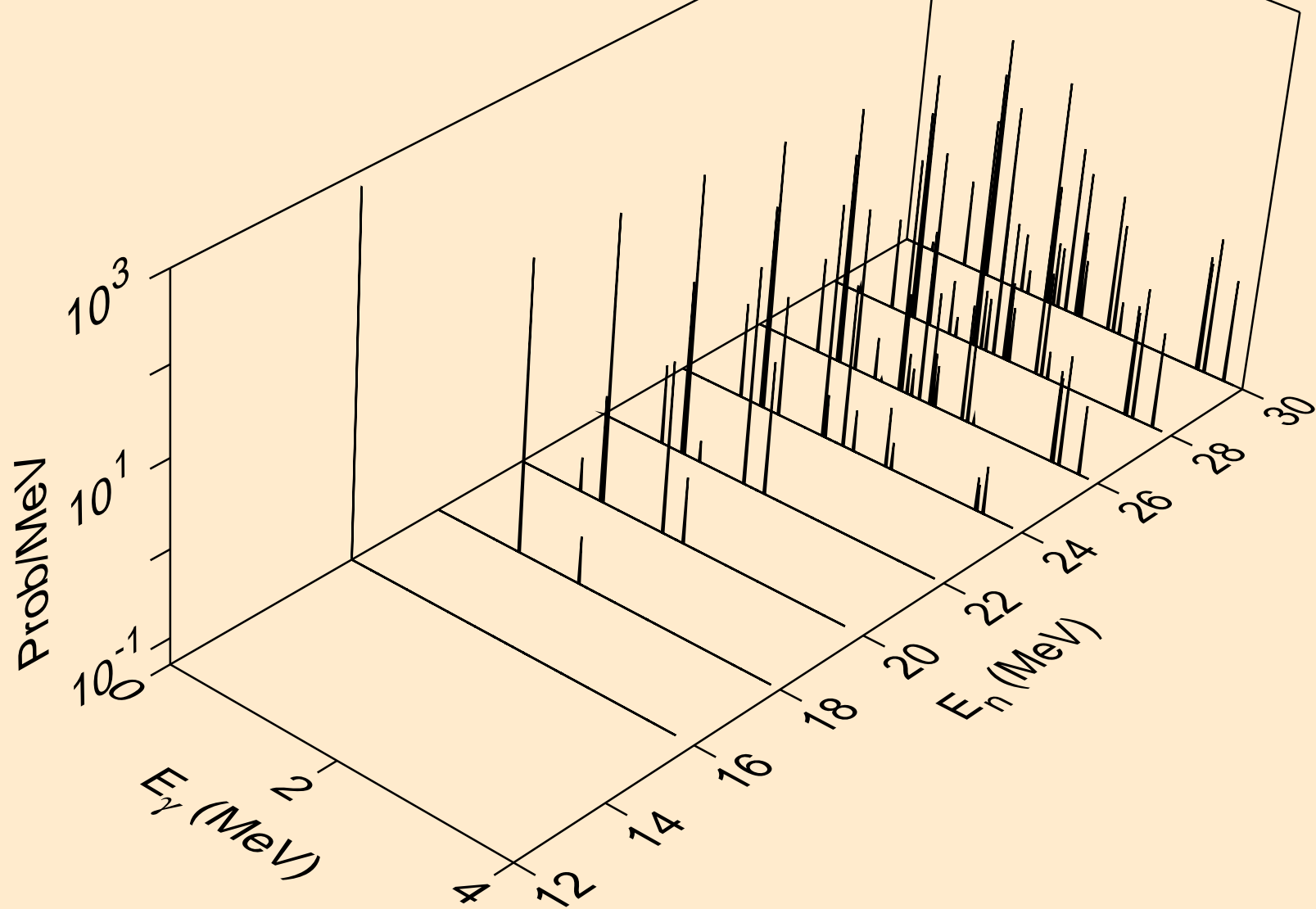
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,he3)



S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,a)

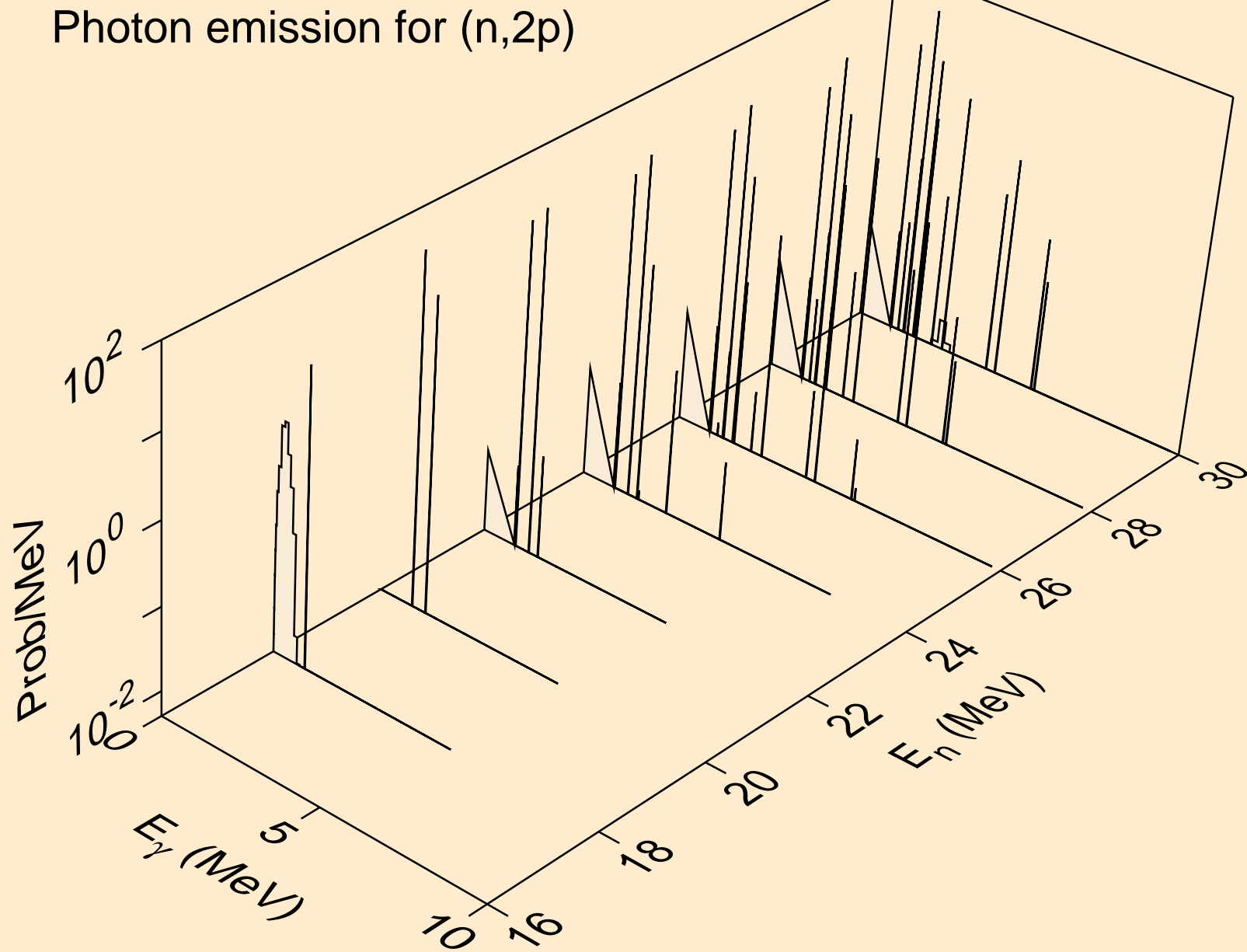


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Photon emission for (n,2a)

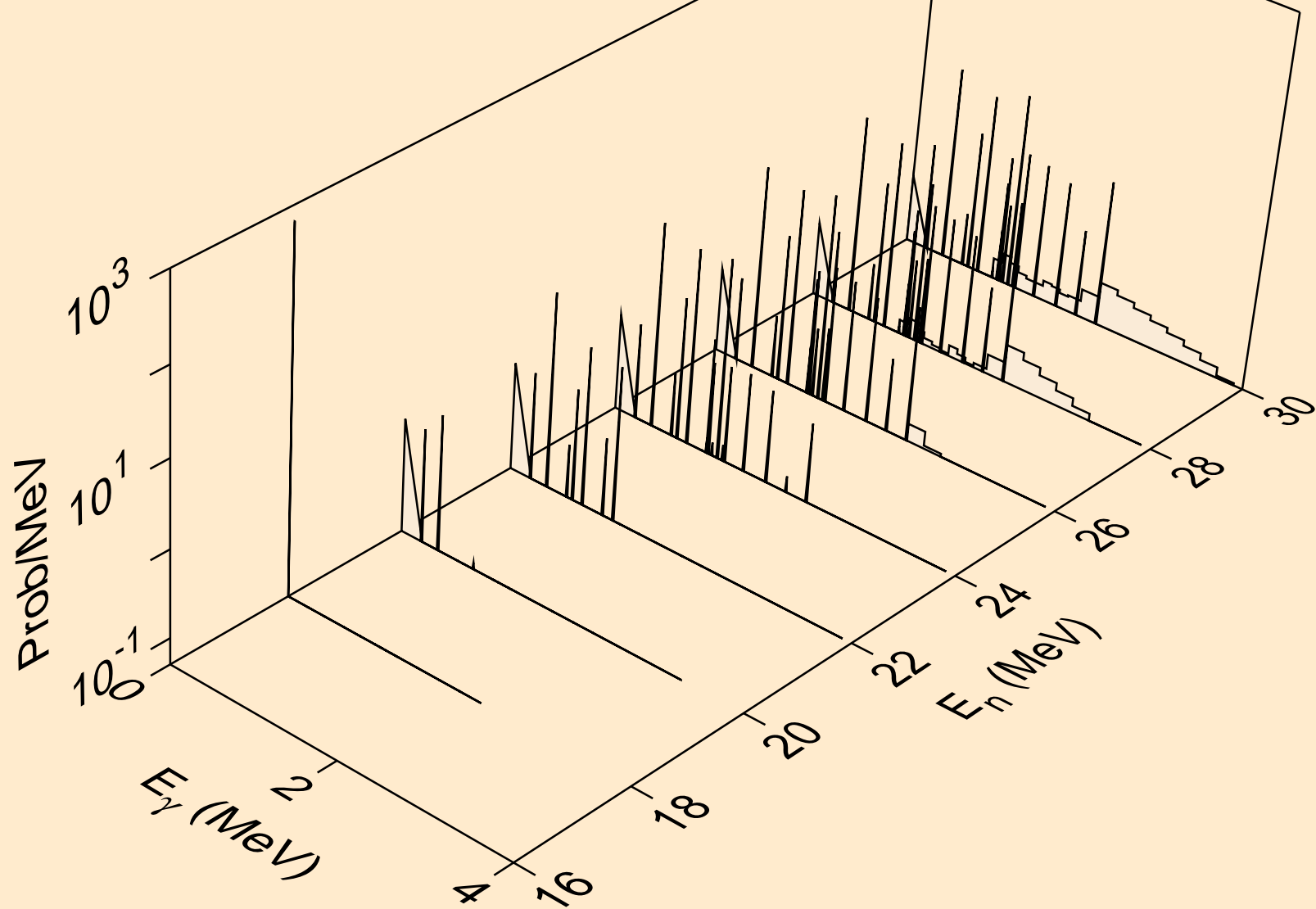




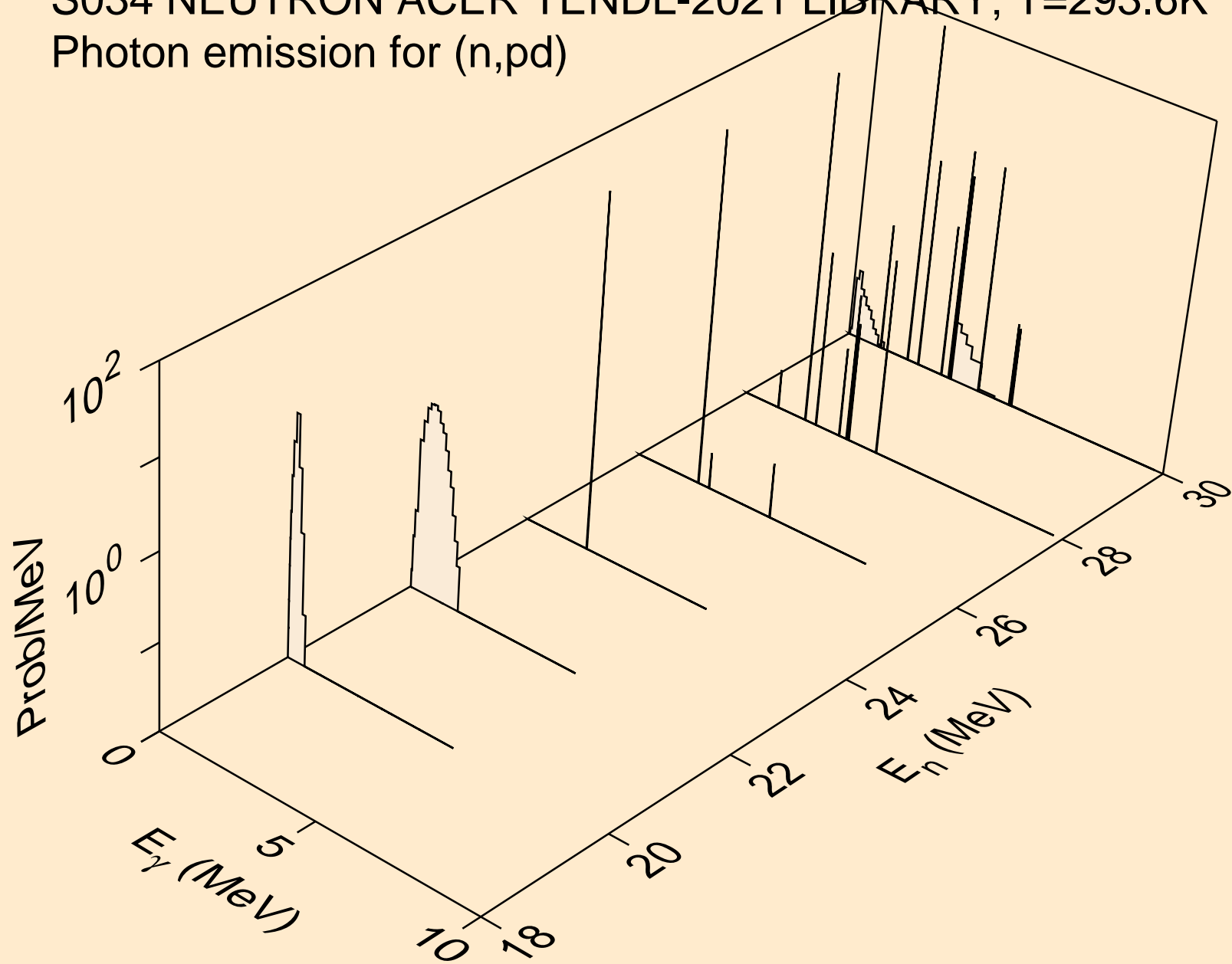
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Photon emission for (n,2p)



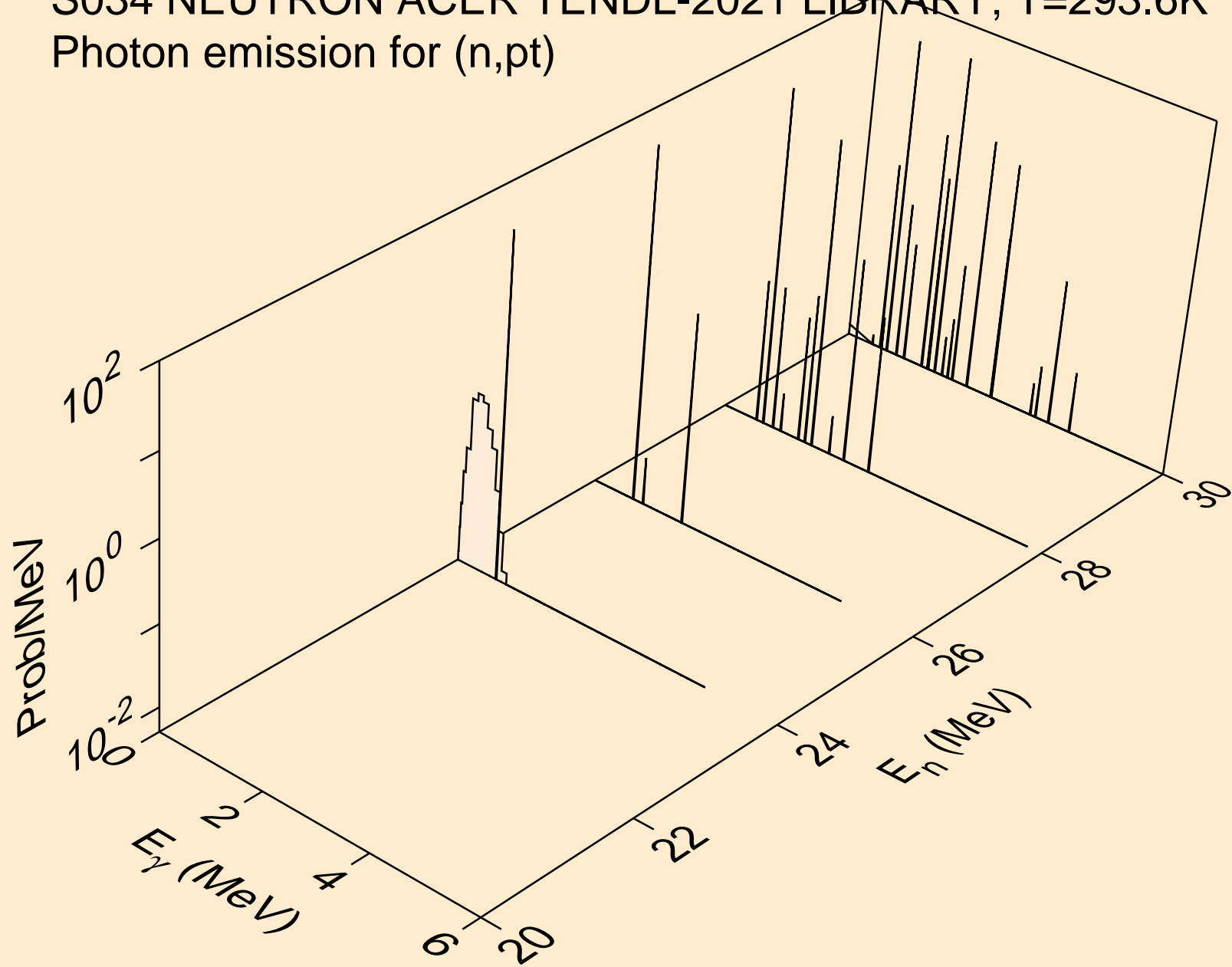
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Photon emission for (n,p $\alpha$ )



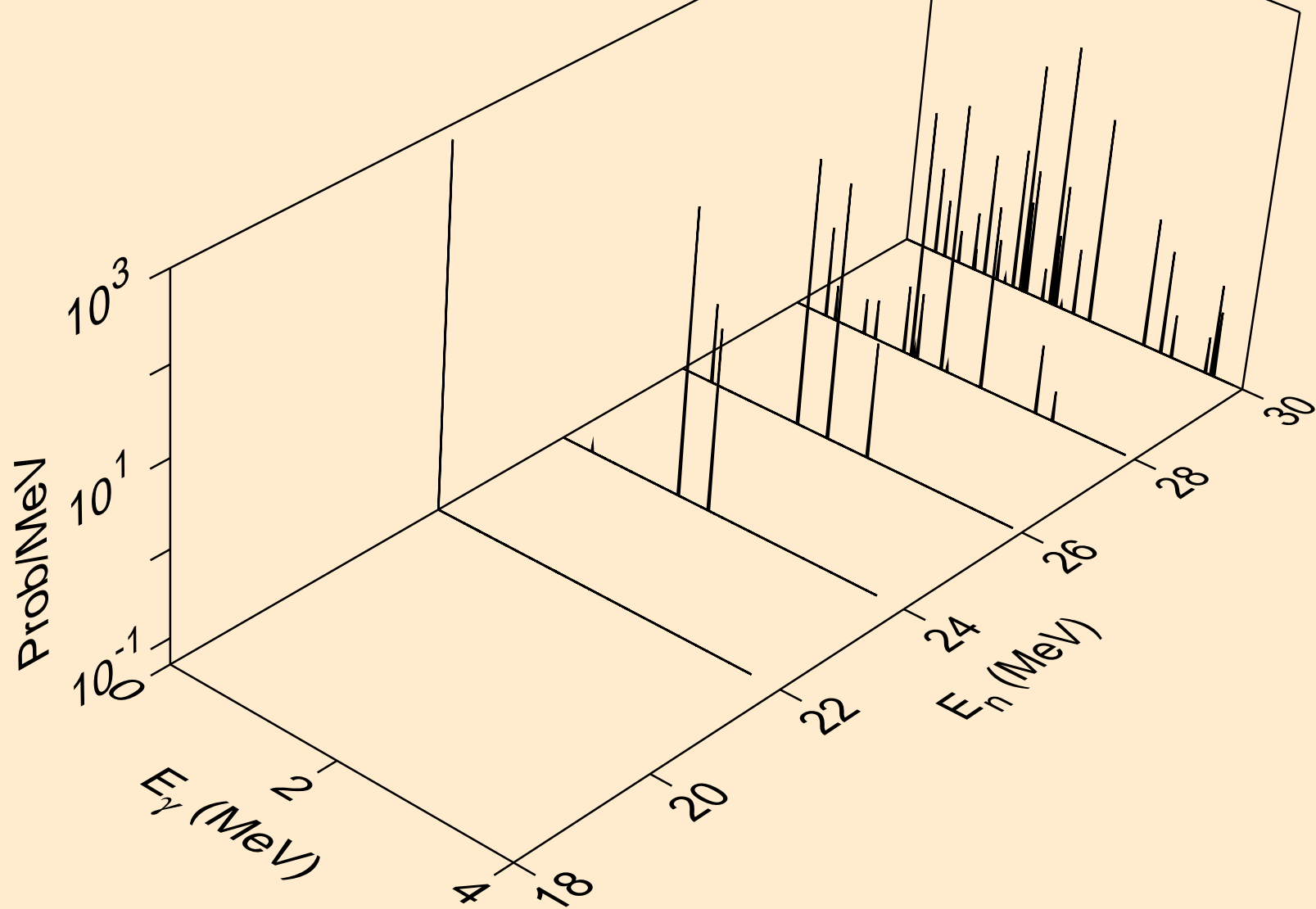
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Photon emission for (n,pd)



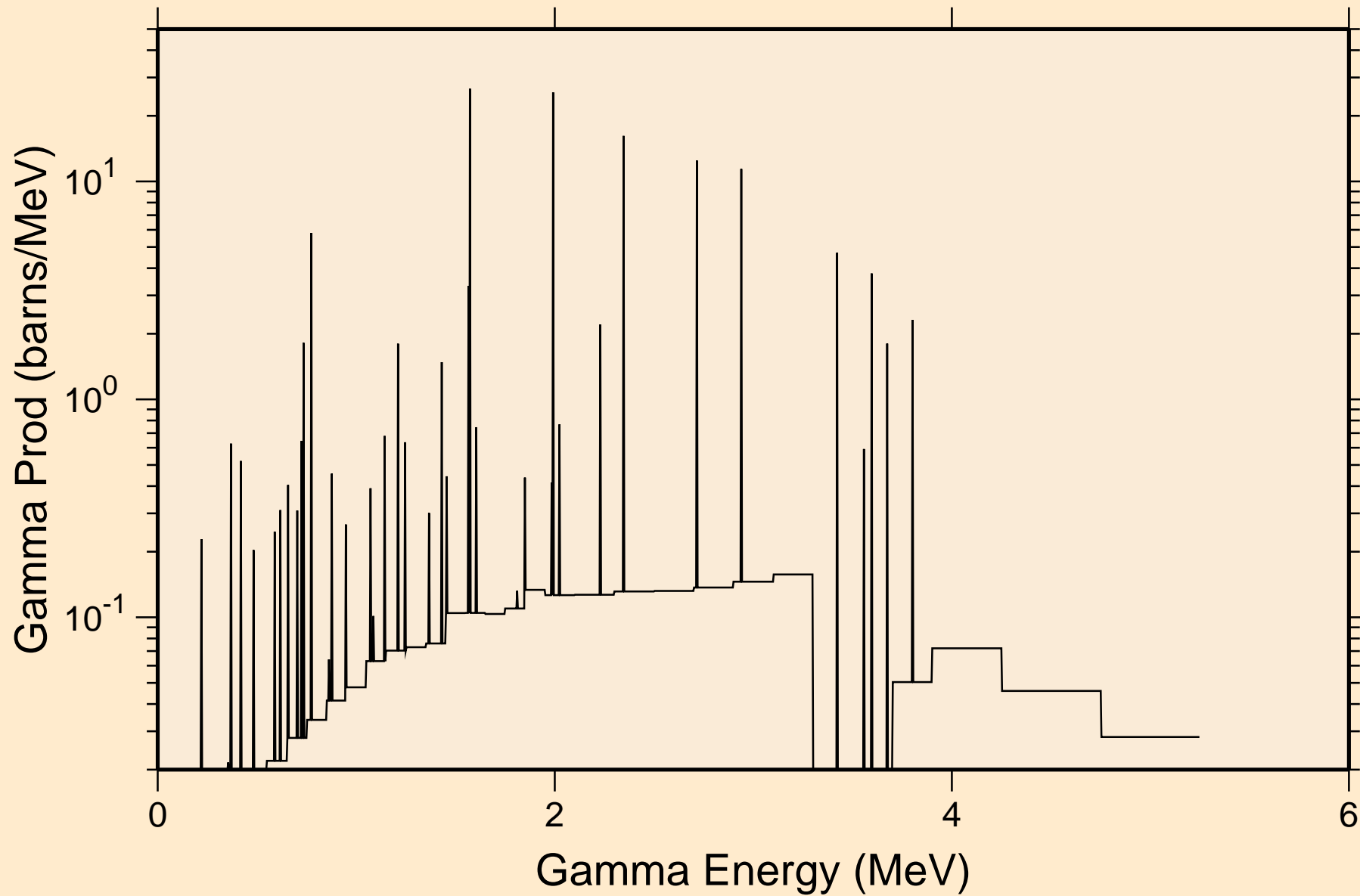
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Photon emission for (n,pt)



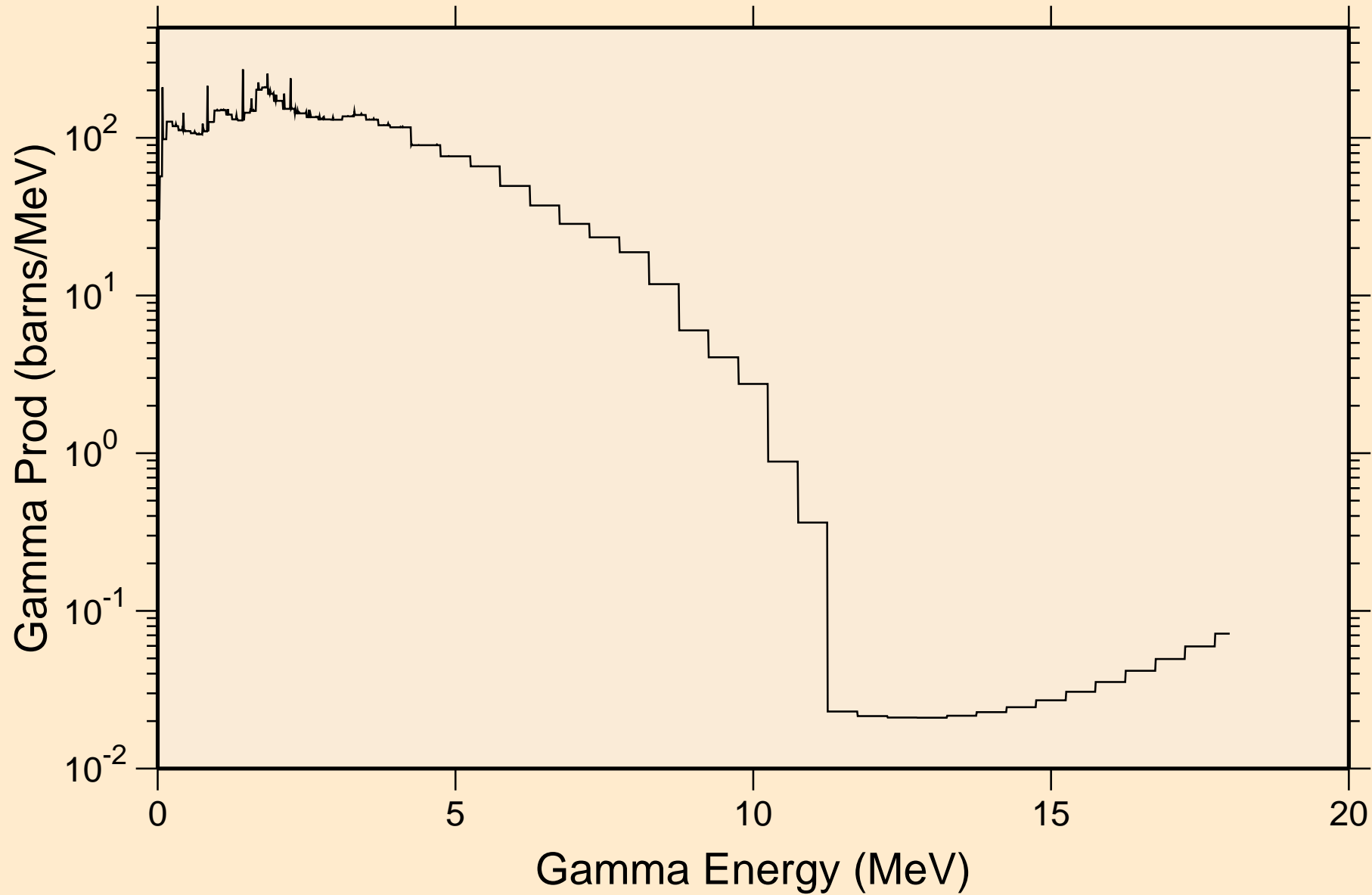
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Photon emission for (n,da)



S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum

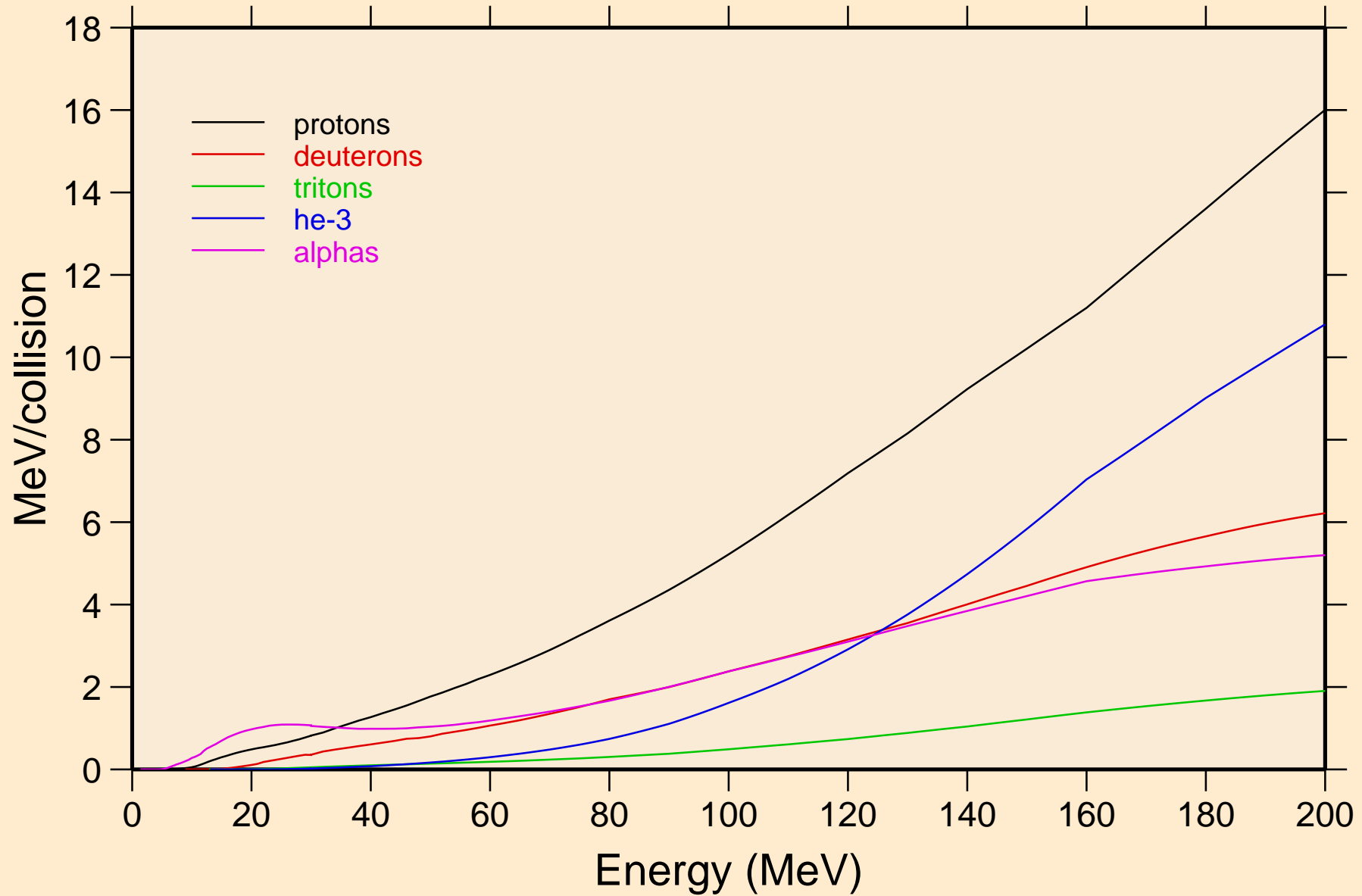


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14 MeV photon spectrum



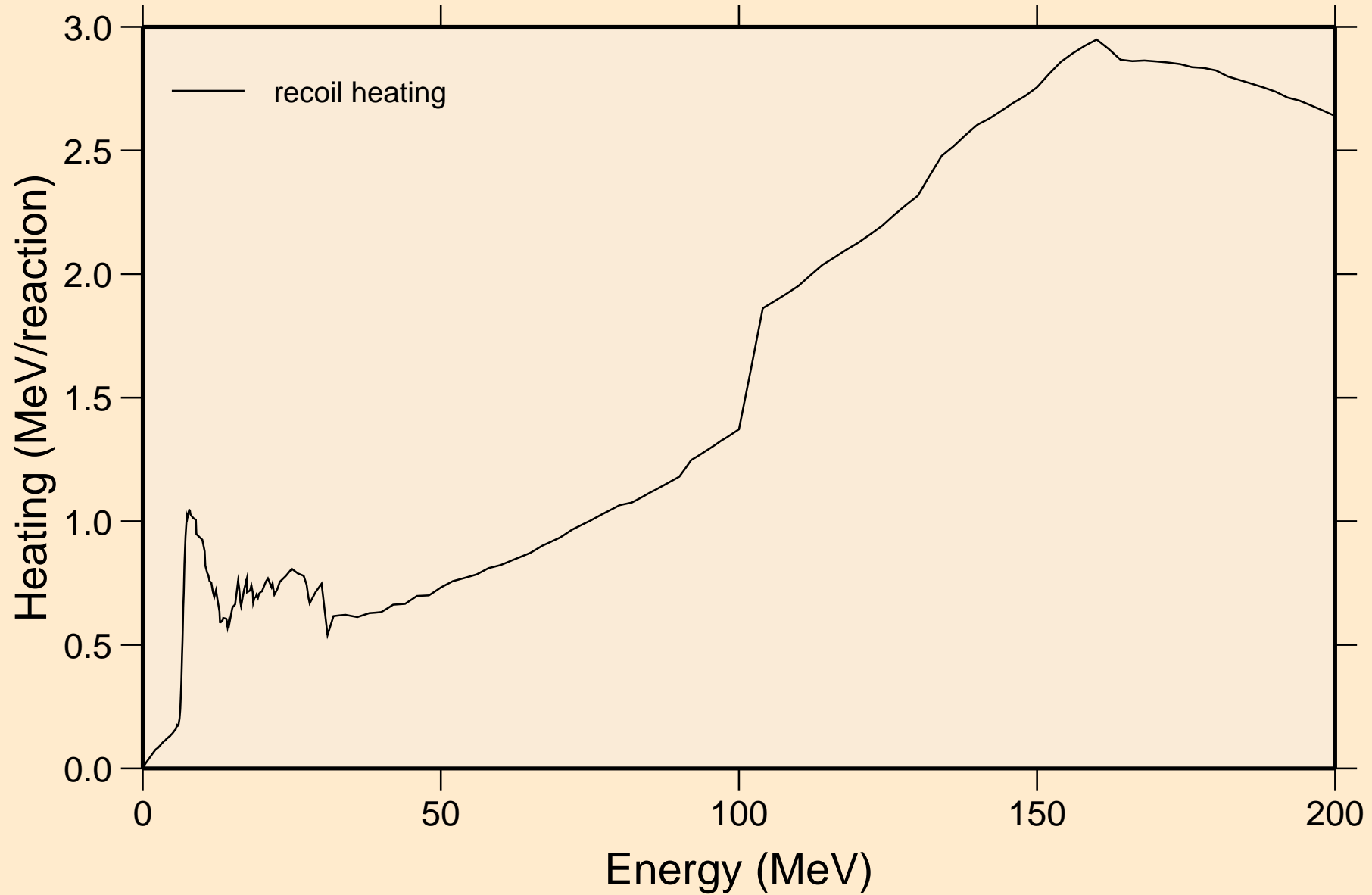
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## Particle heating contributions

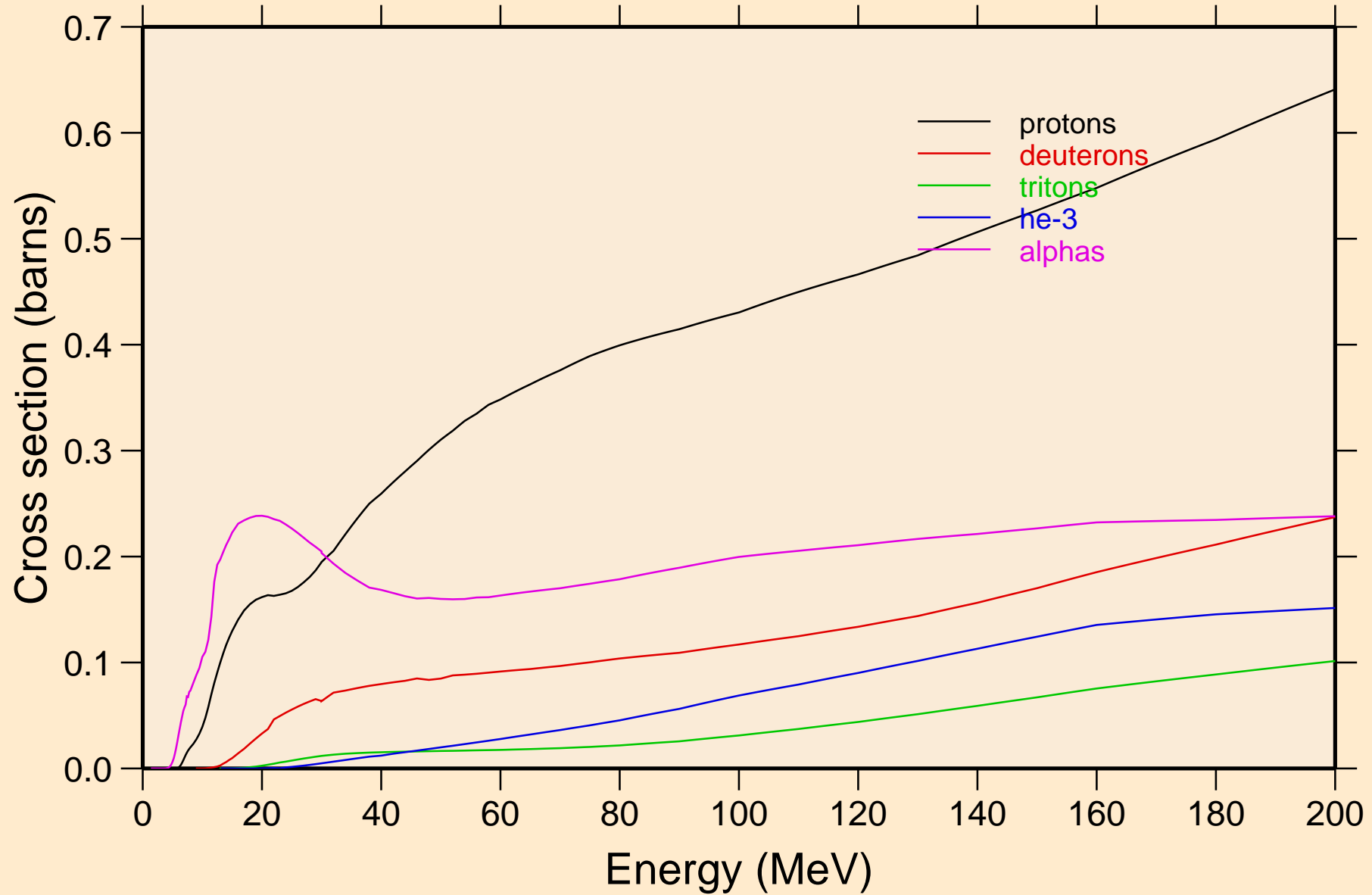




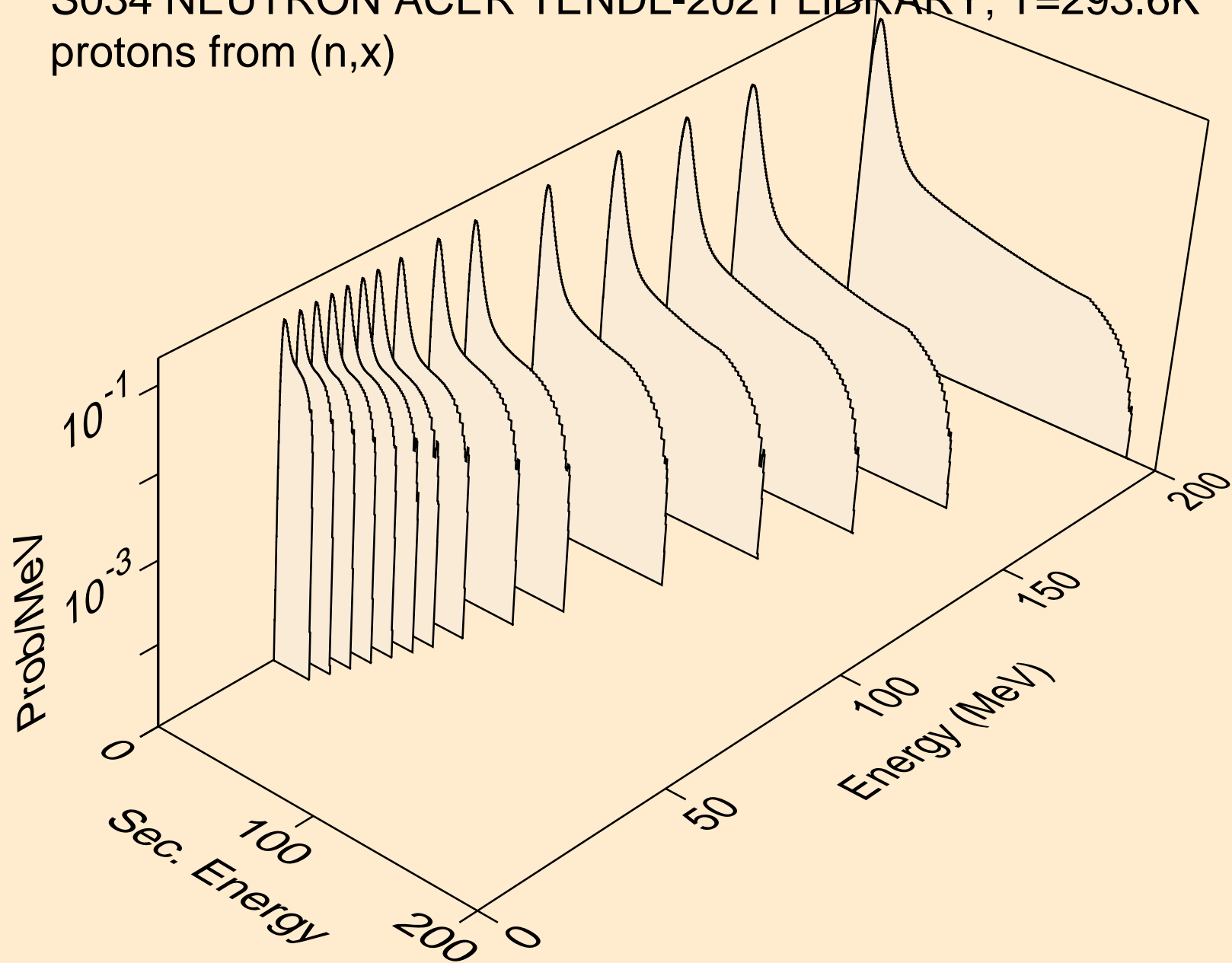
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Recoil Heating



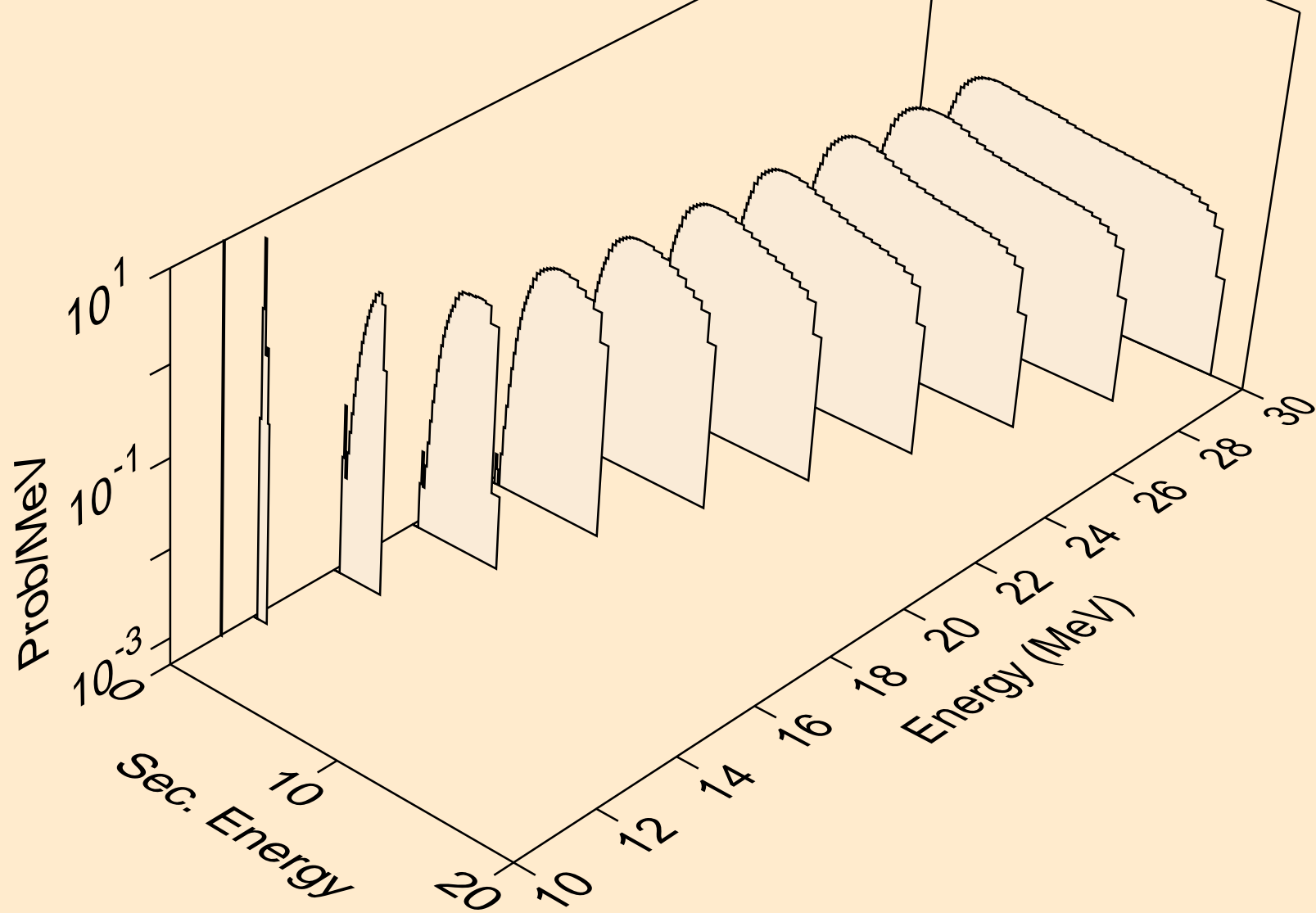
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Particle production cross sections



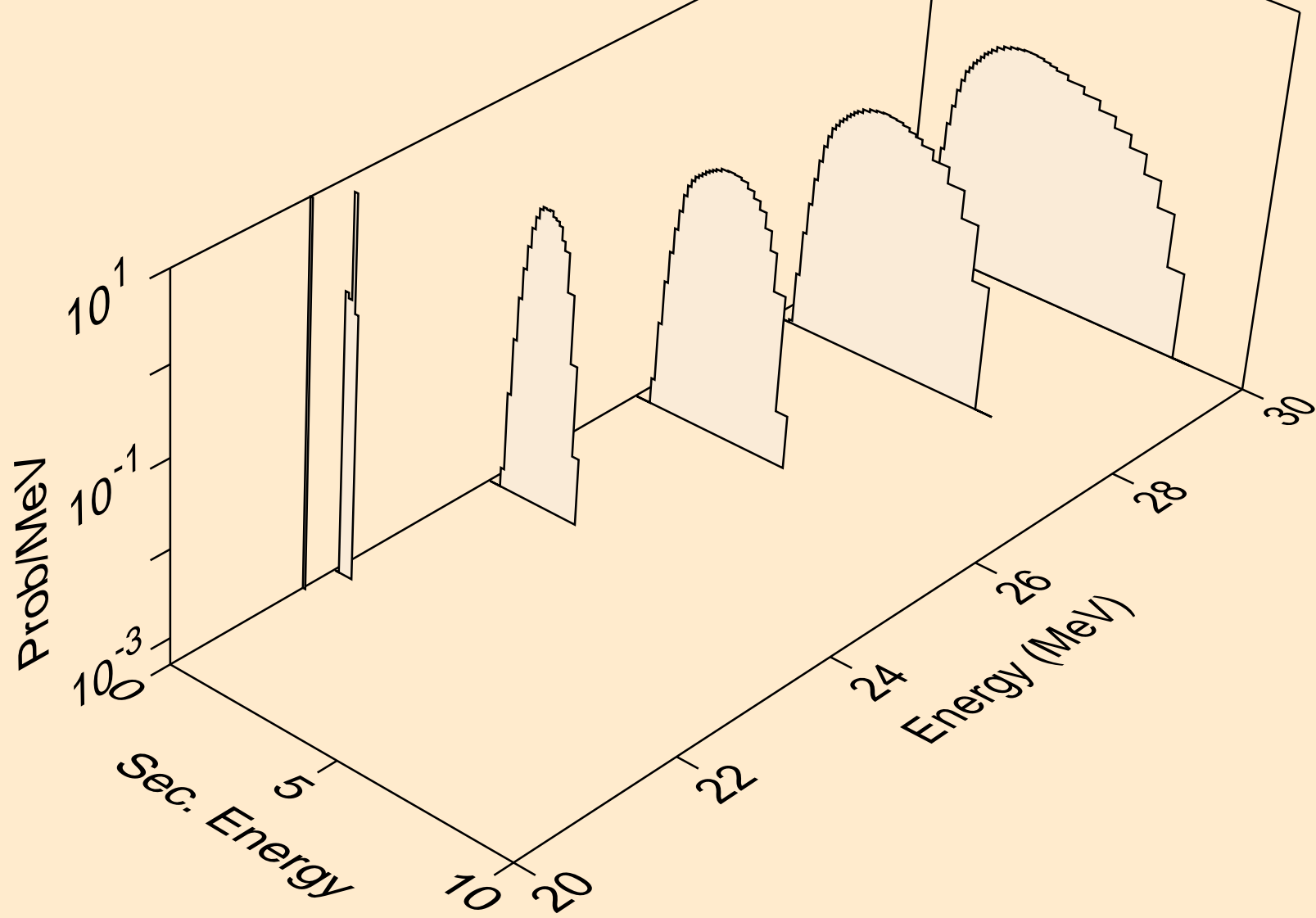
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protons from (n,x)



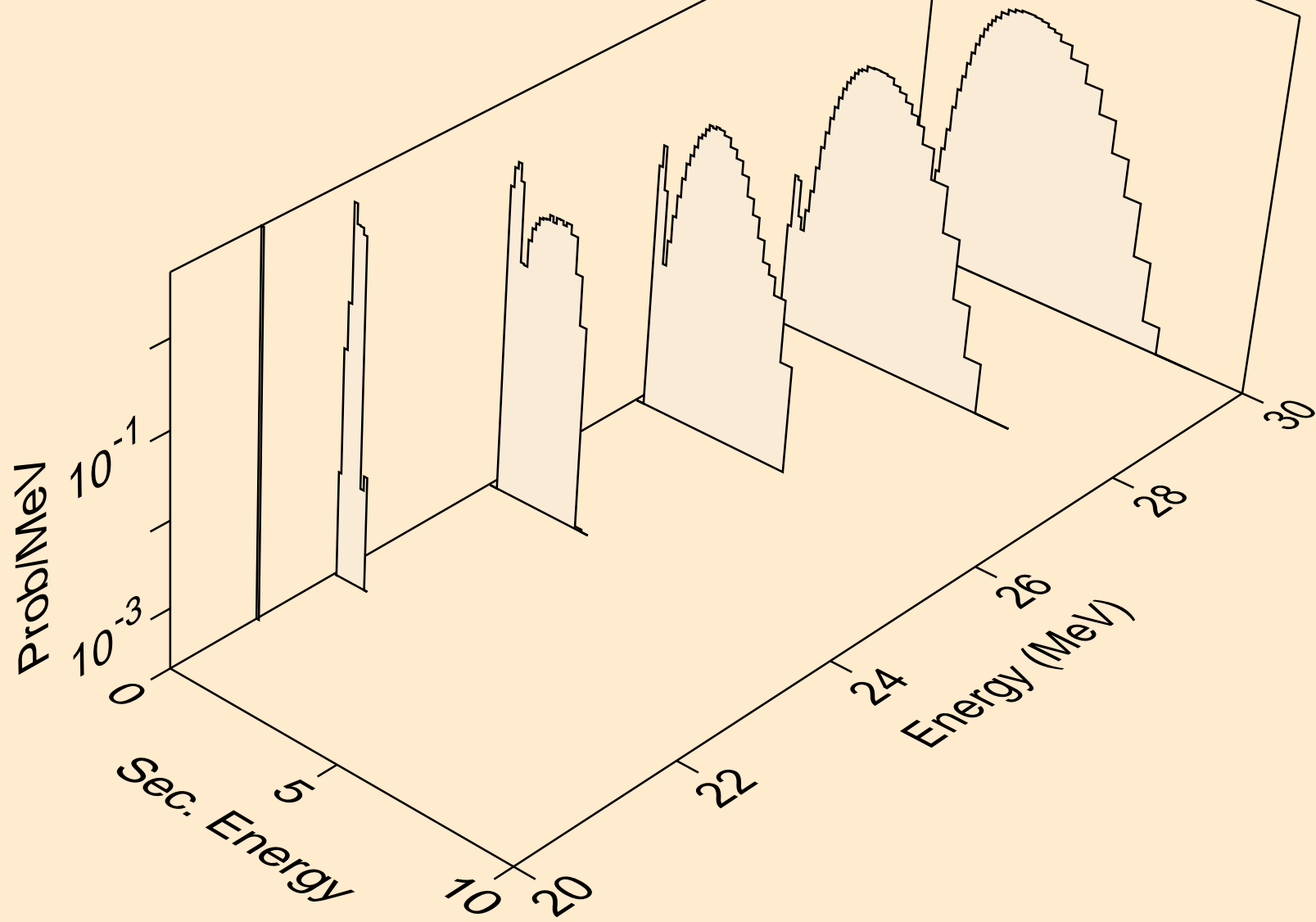
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protons from (n,n\*)p



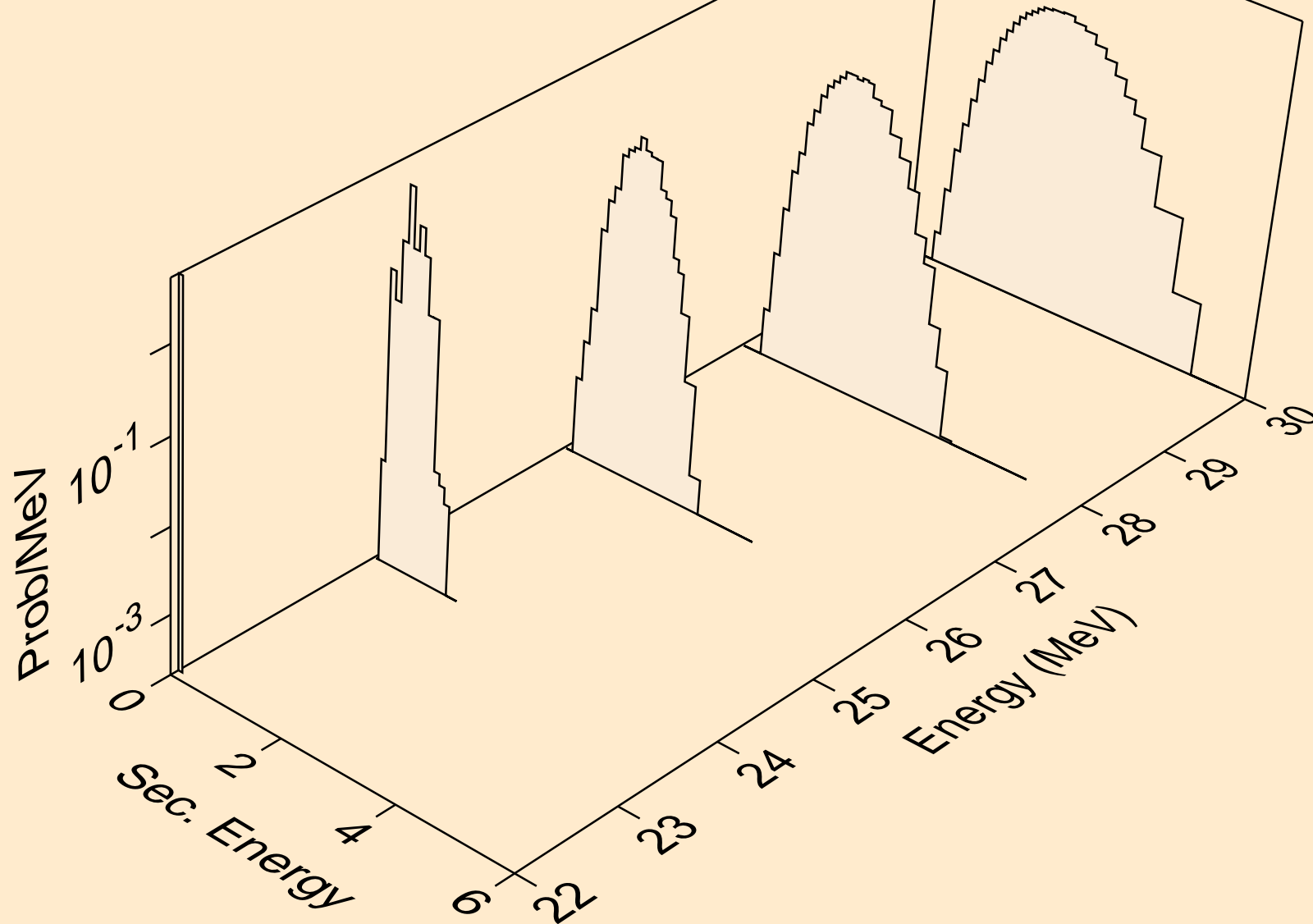
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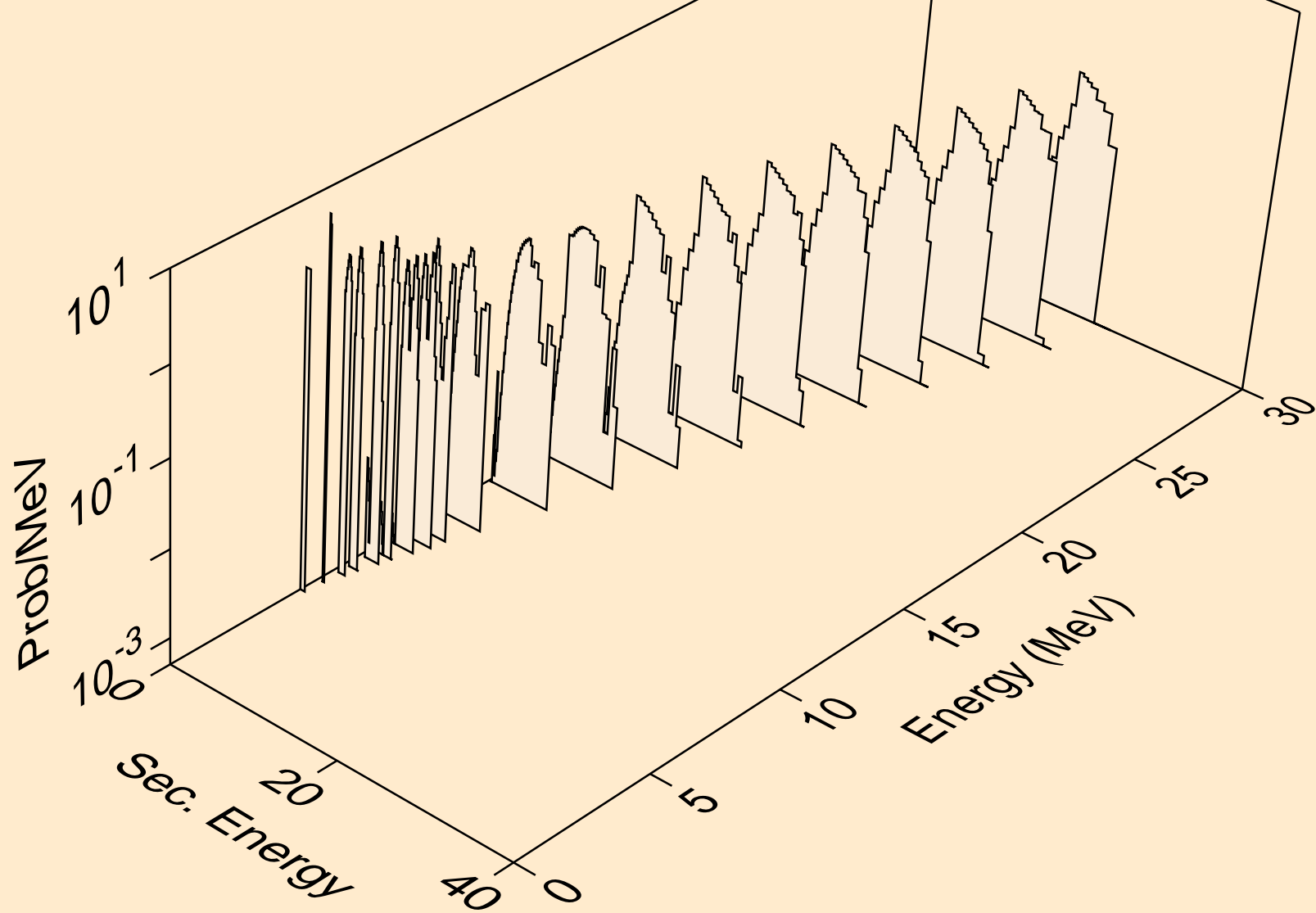
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protons from (n,2np)



S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,npa)

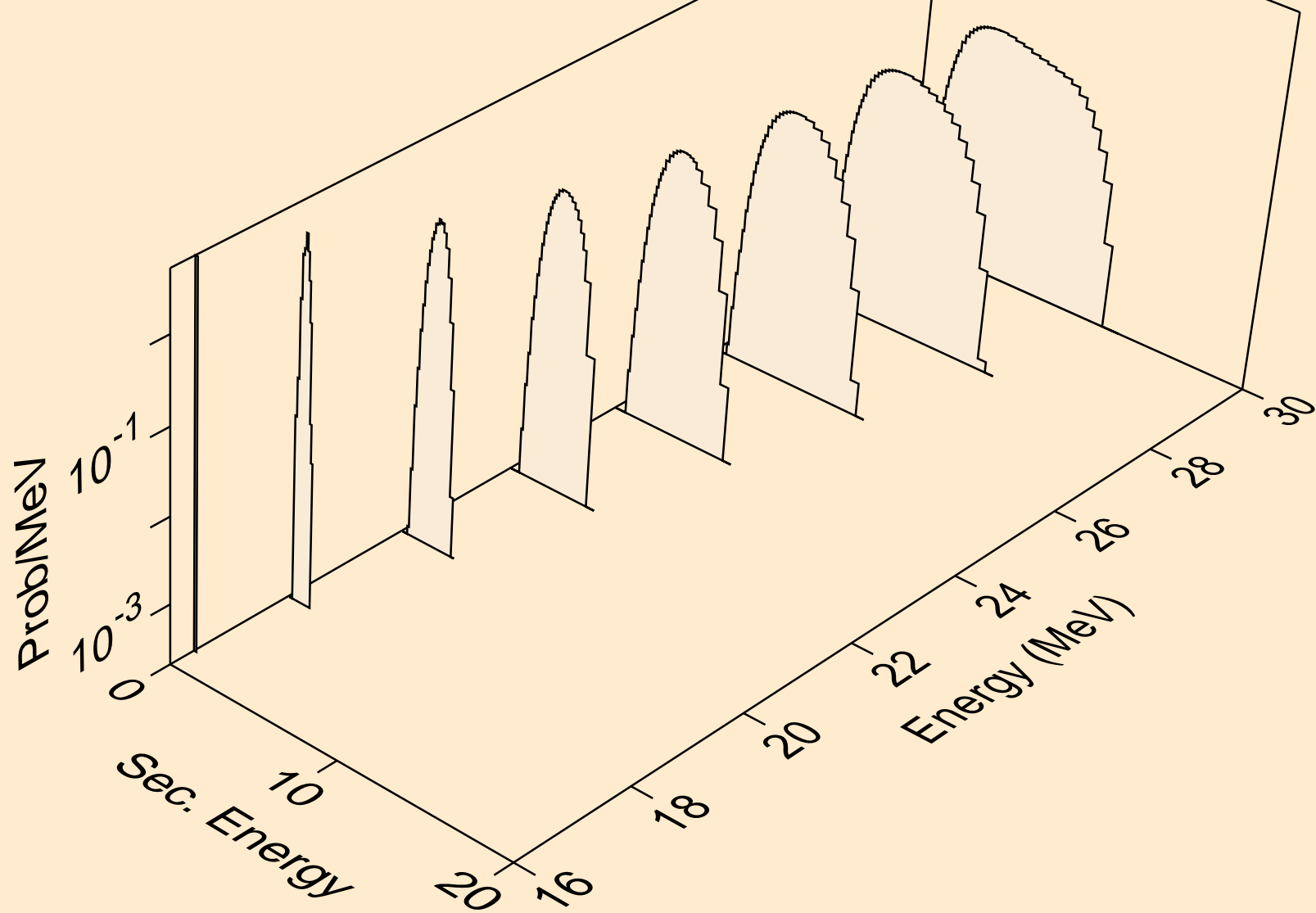


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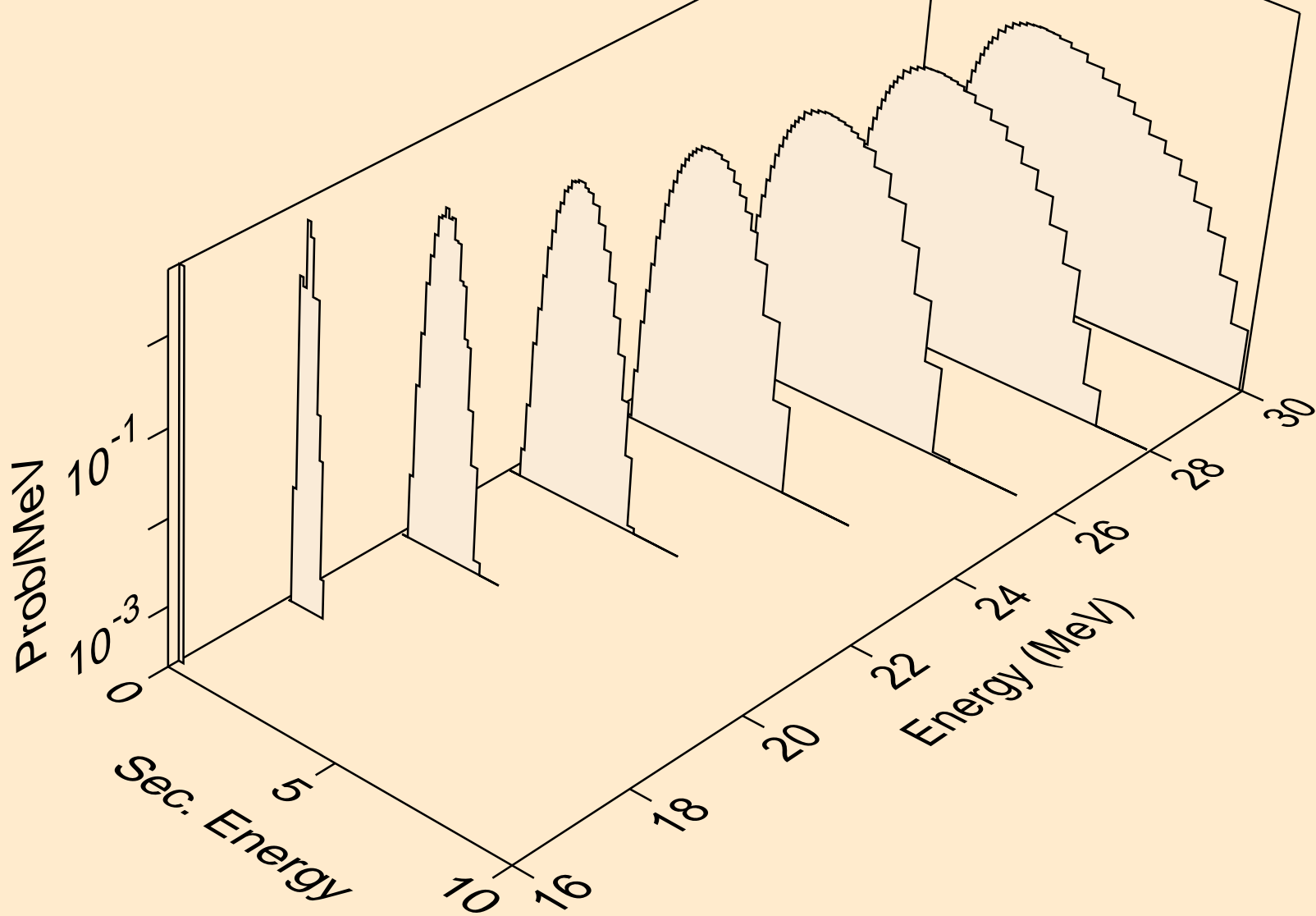




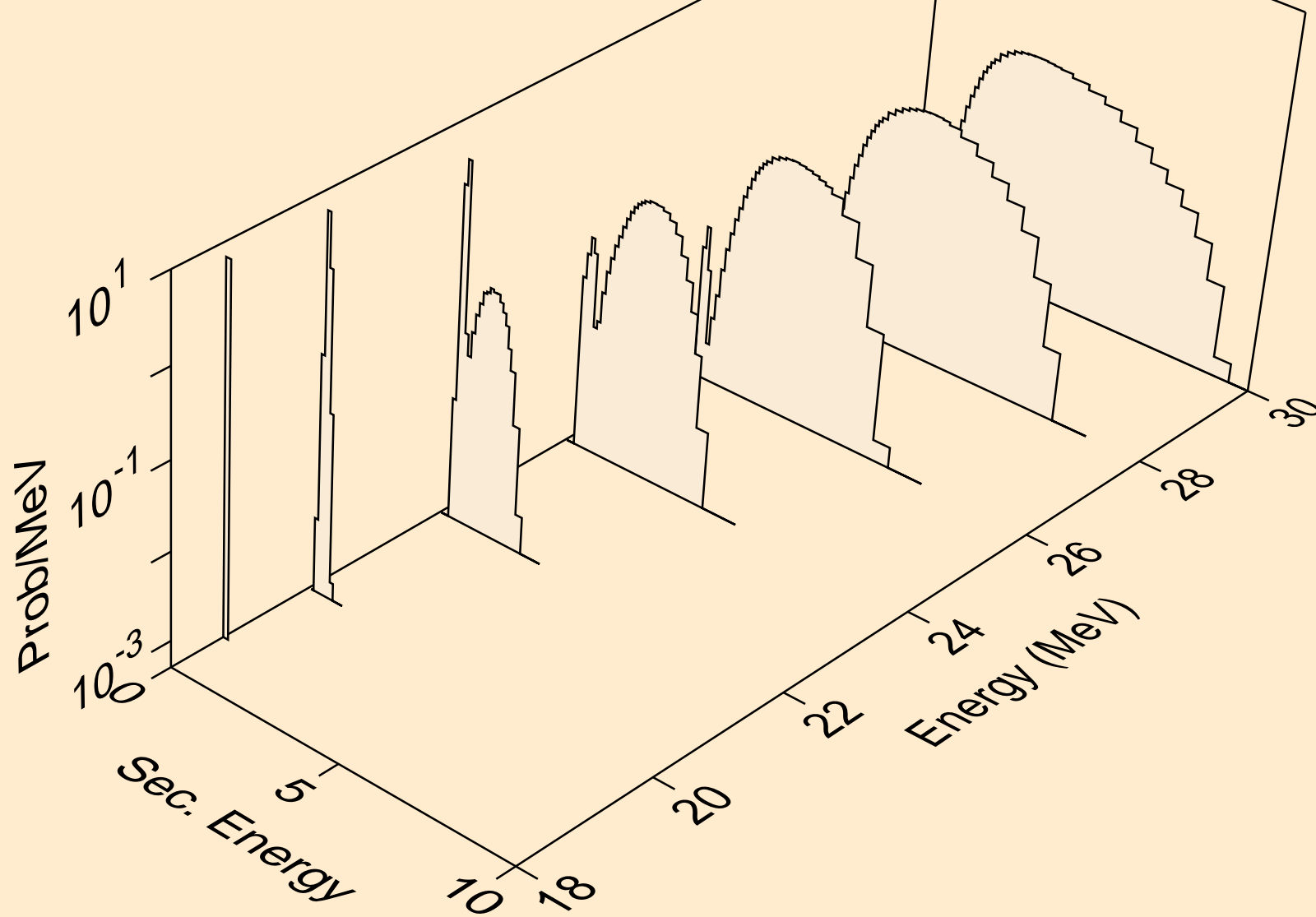
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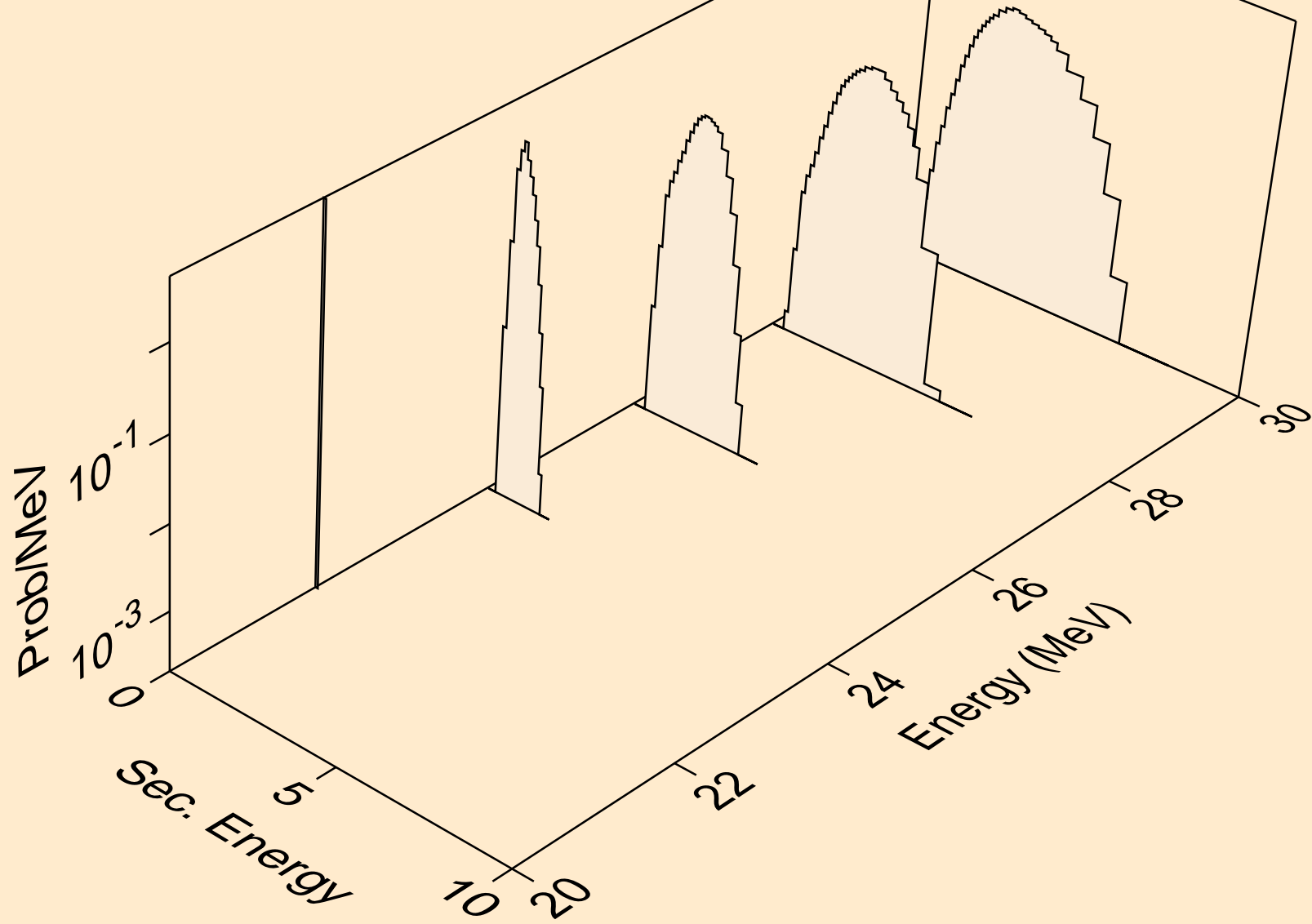
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protons from (n,p)



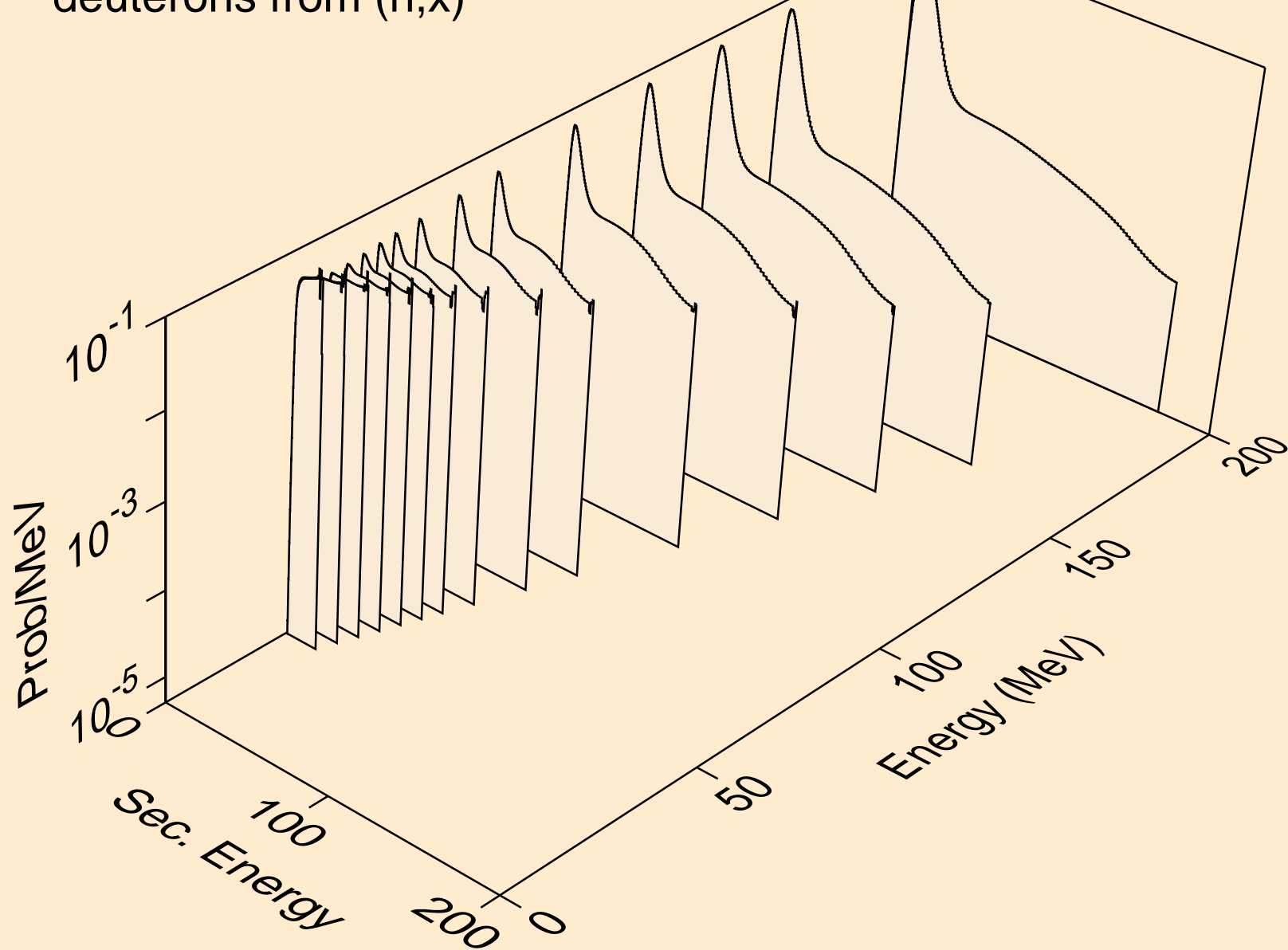
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protons from (n,pd)



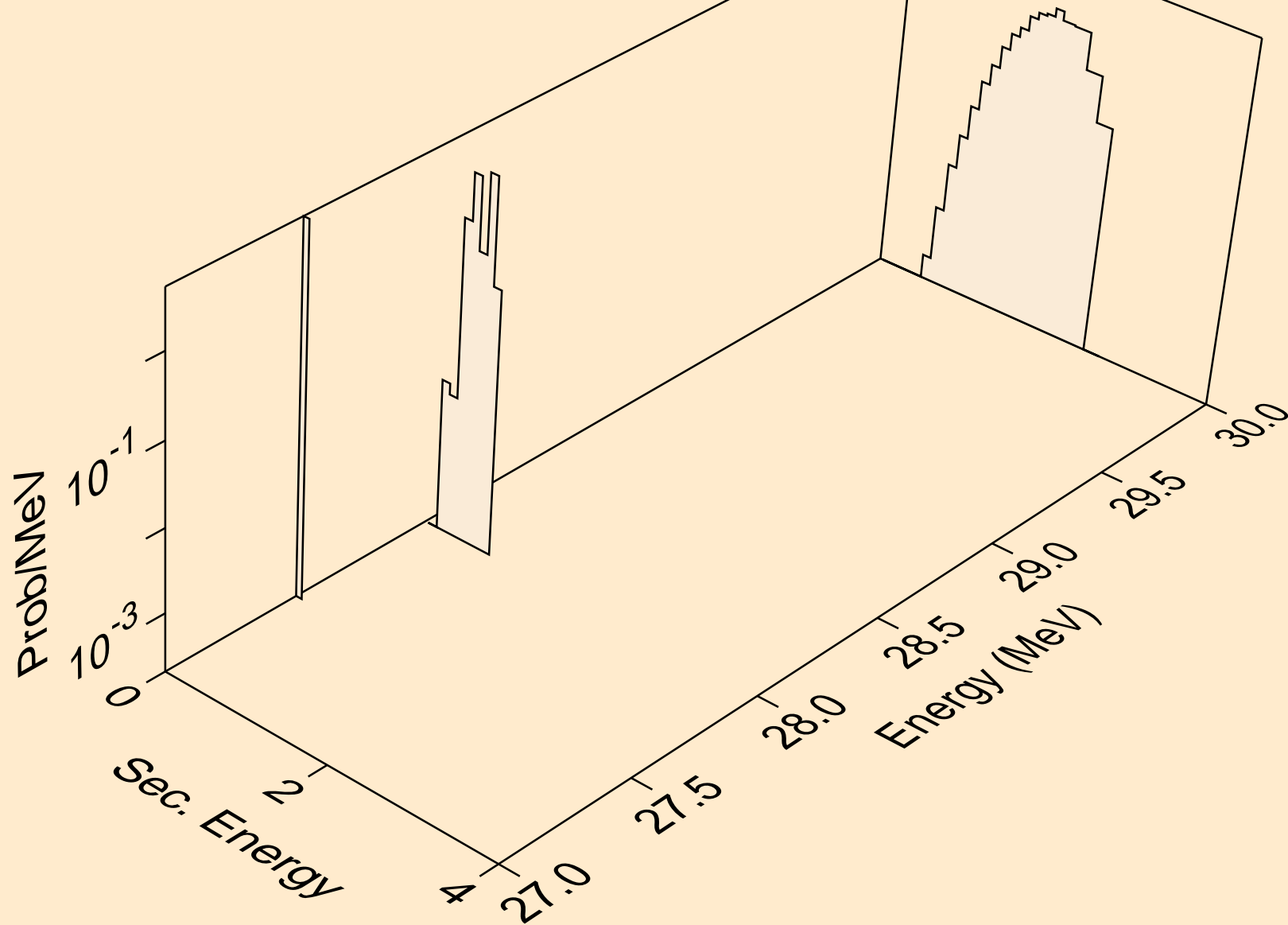
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protons from (n,pt)



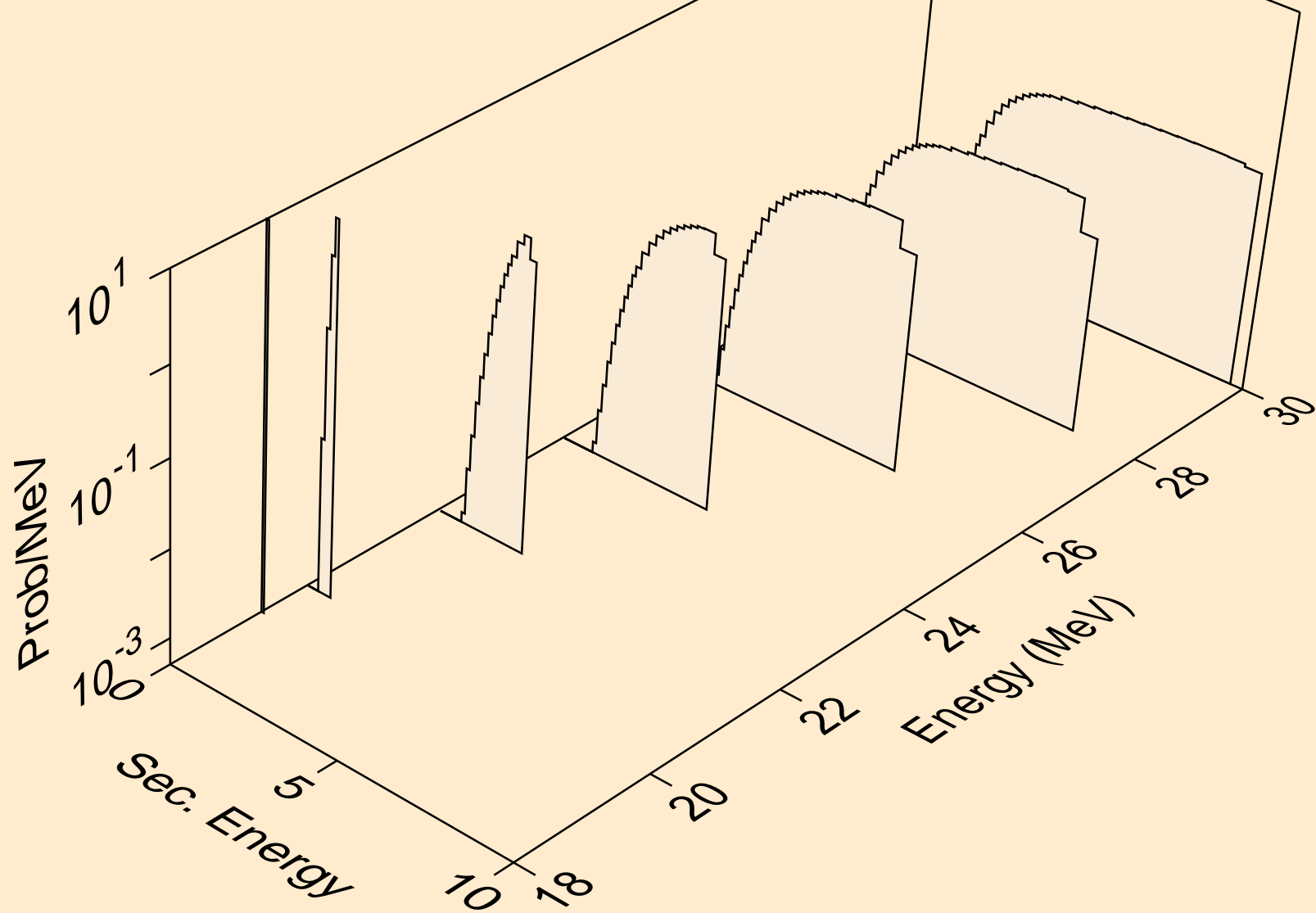
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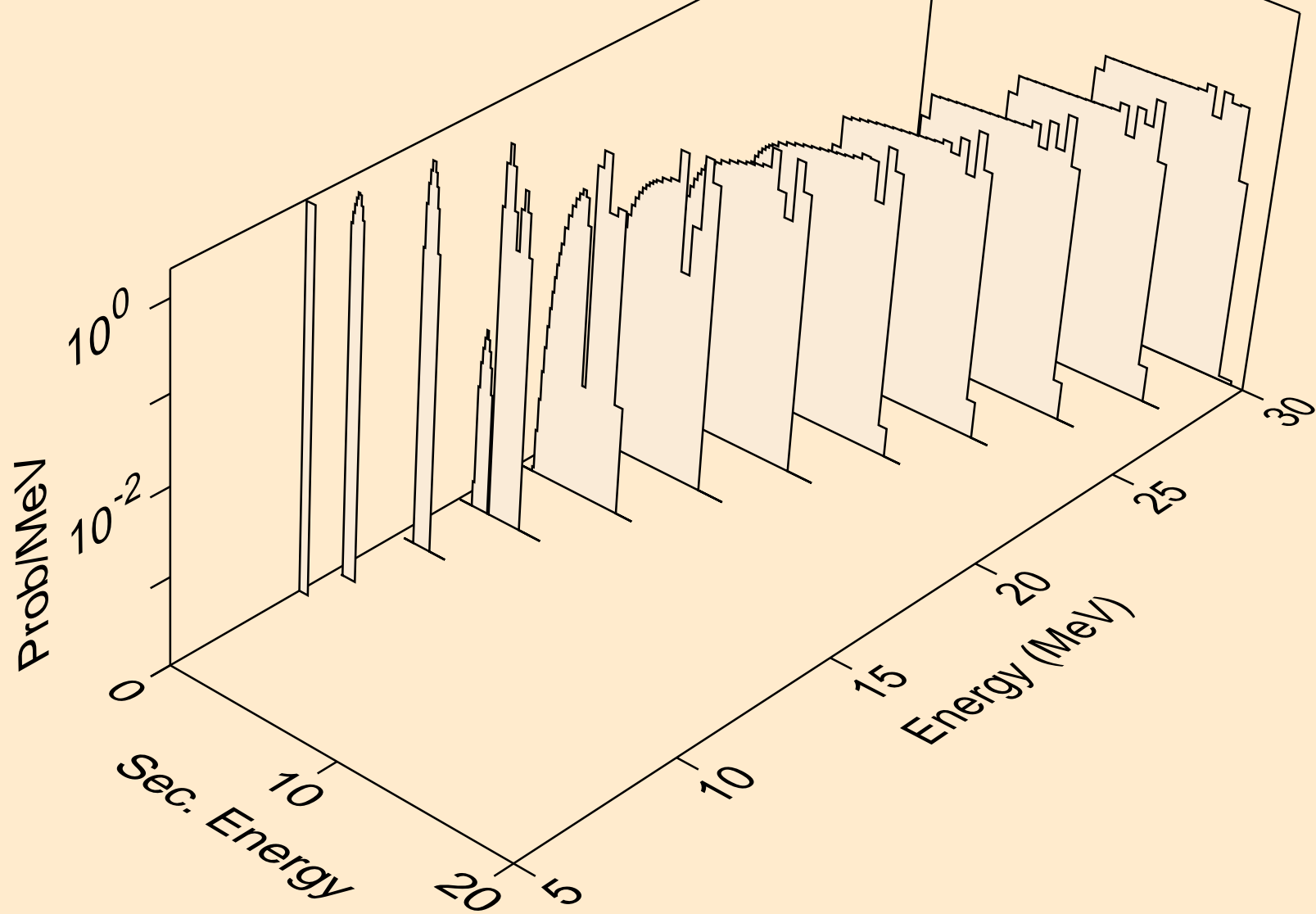
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deuterons from (n,n\*)d

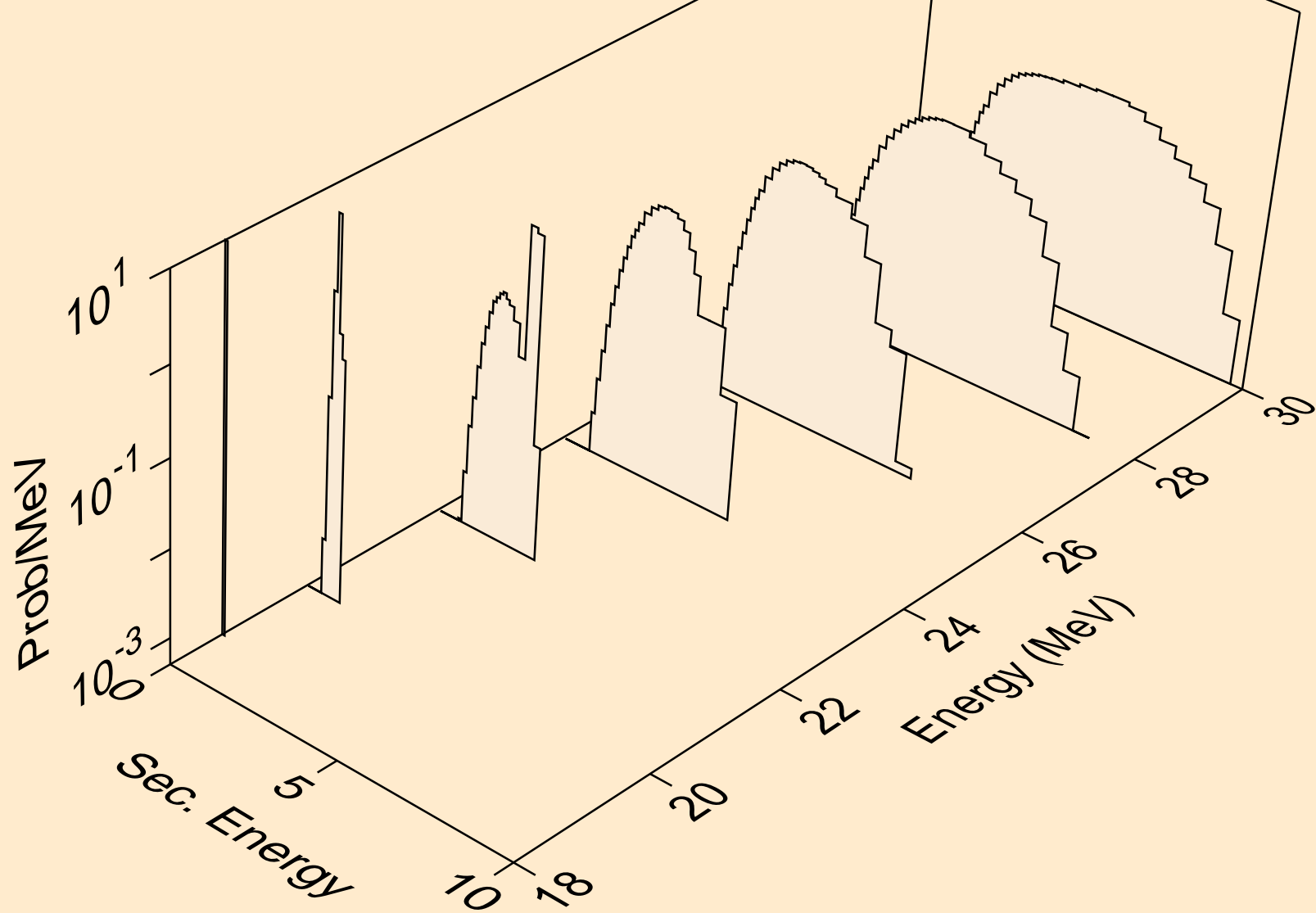


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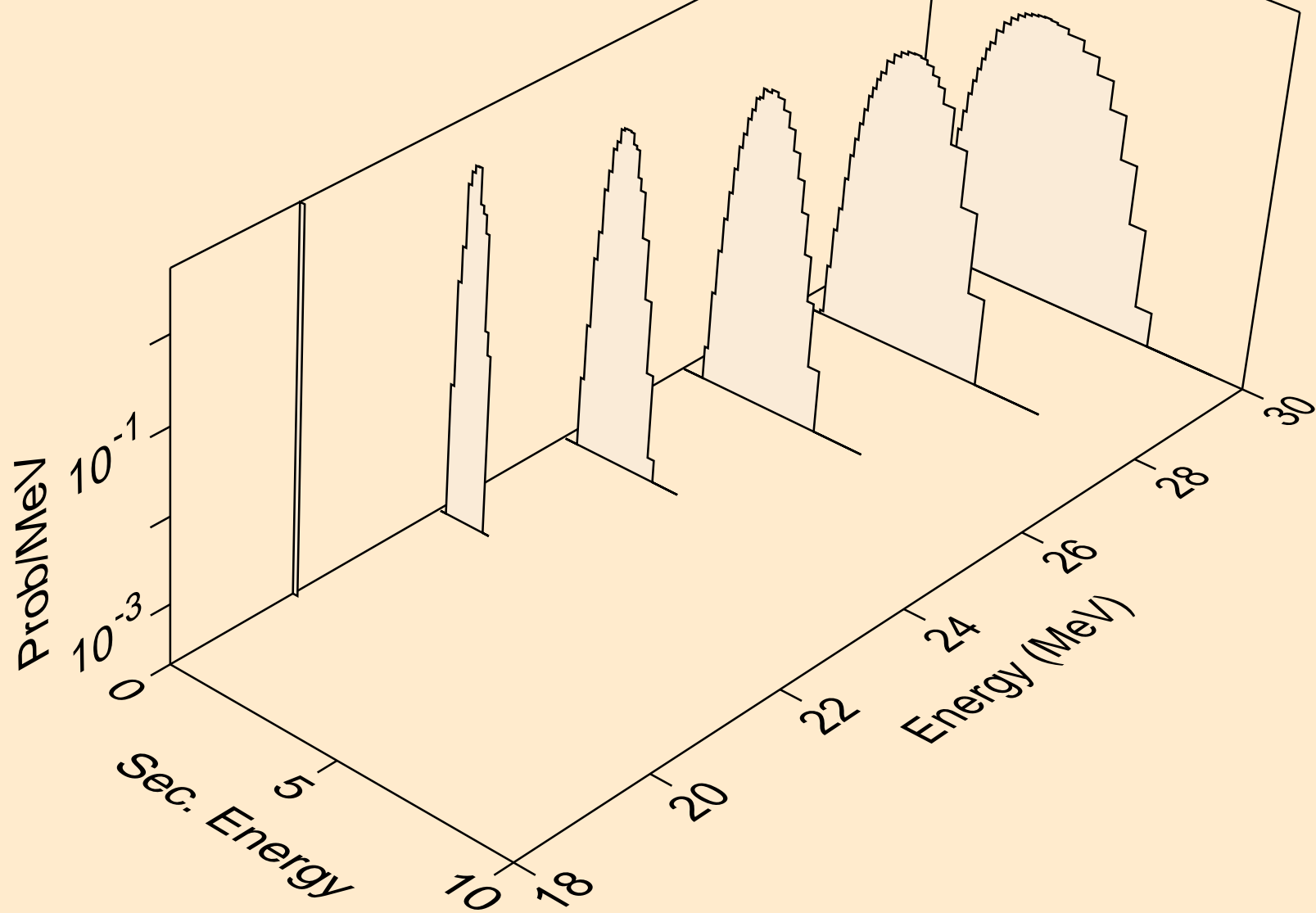




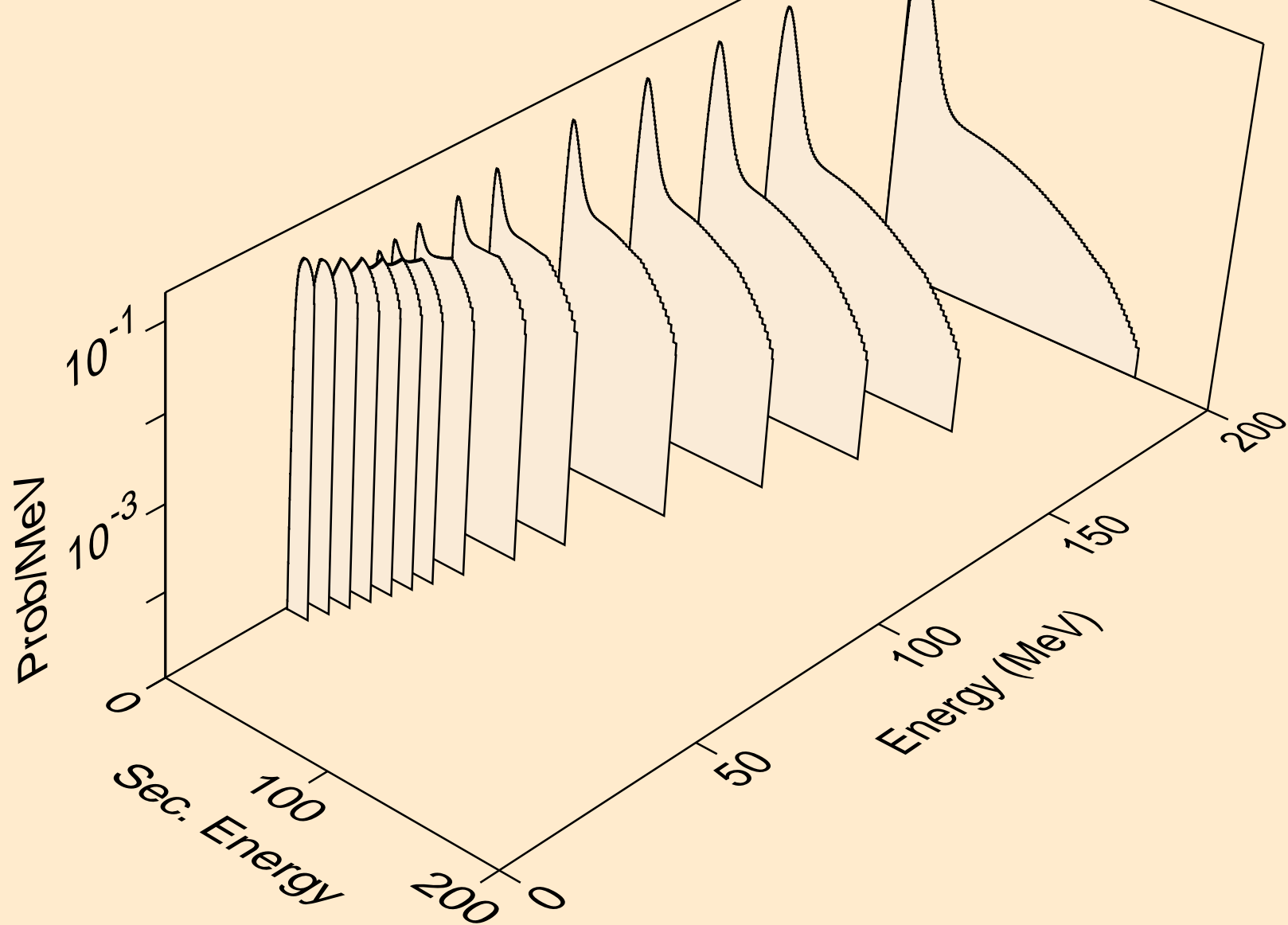
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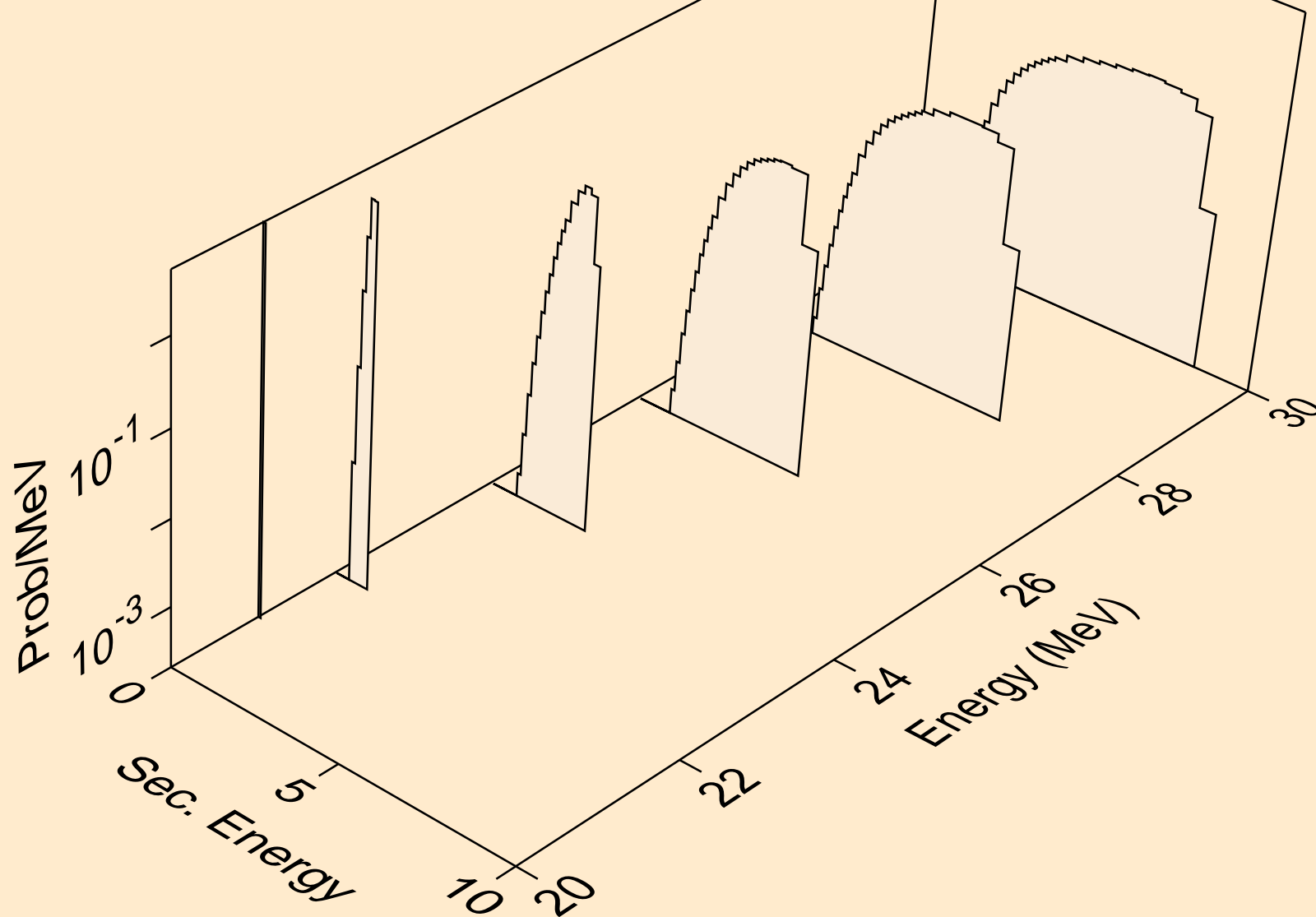
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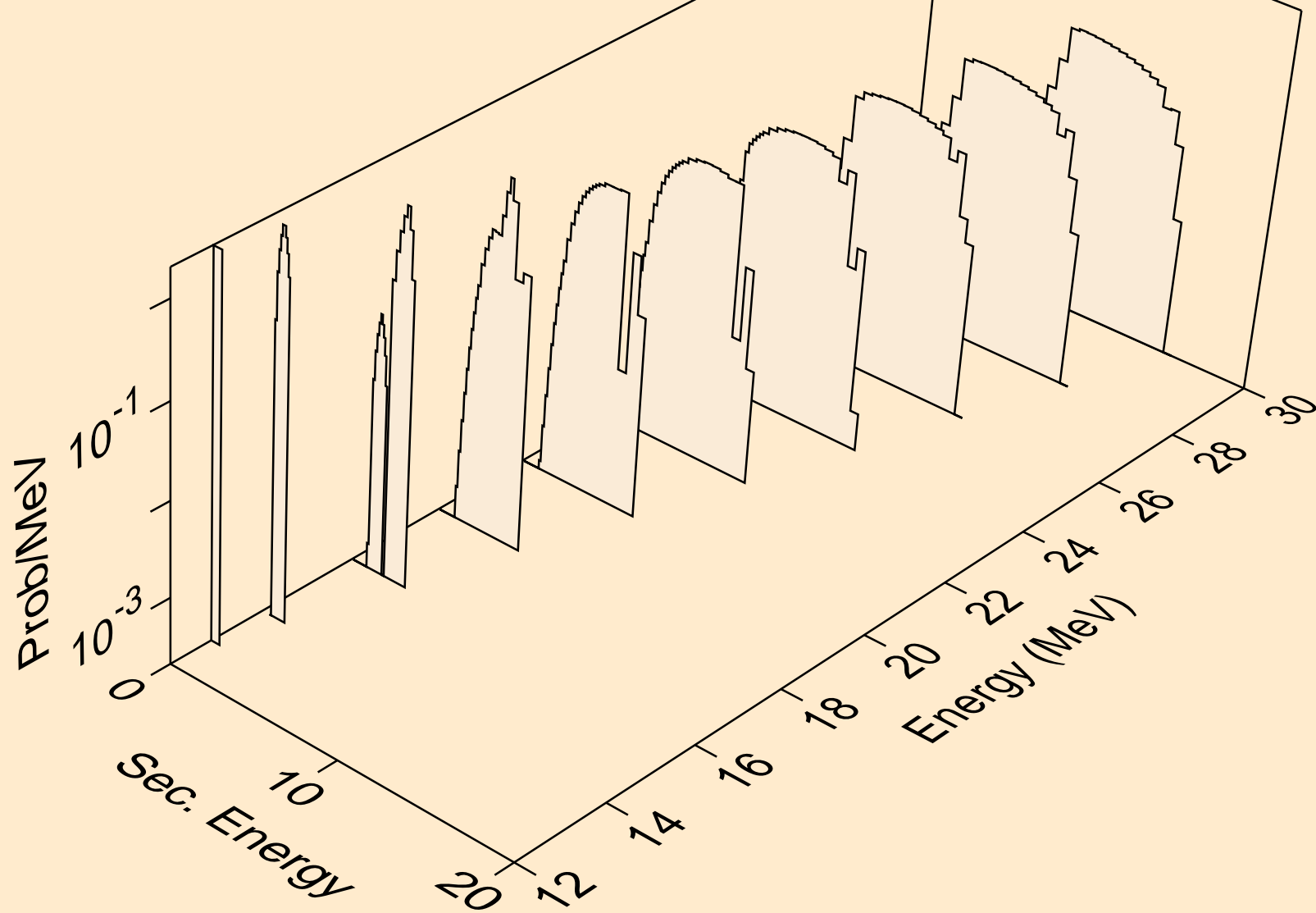
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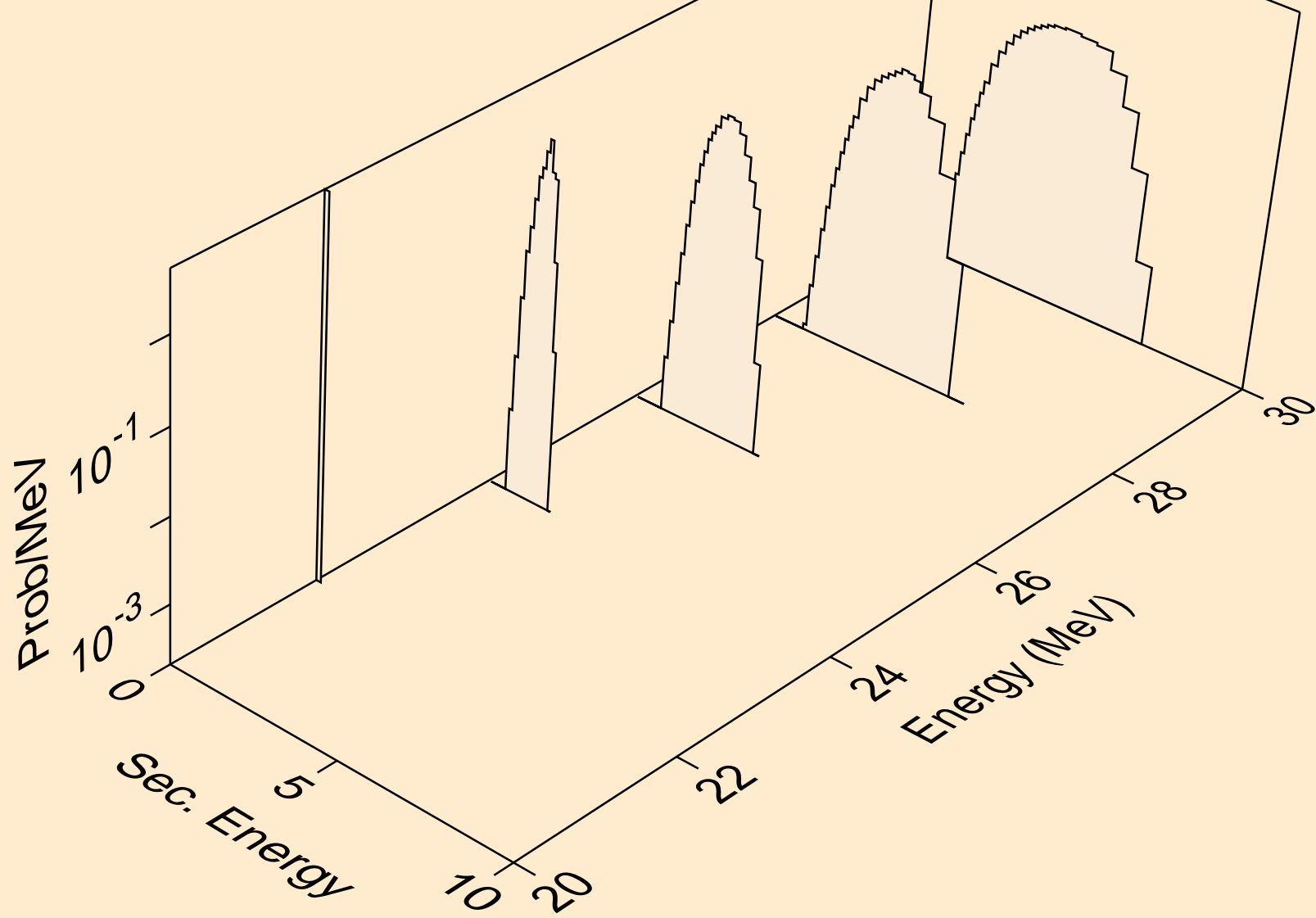
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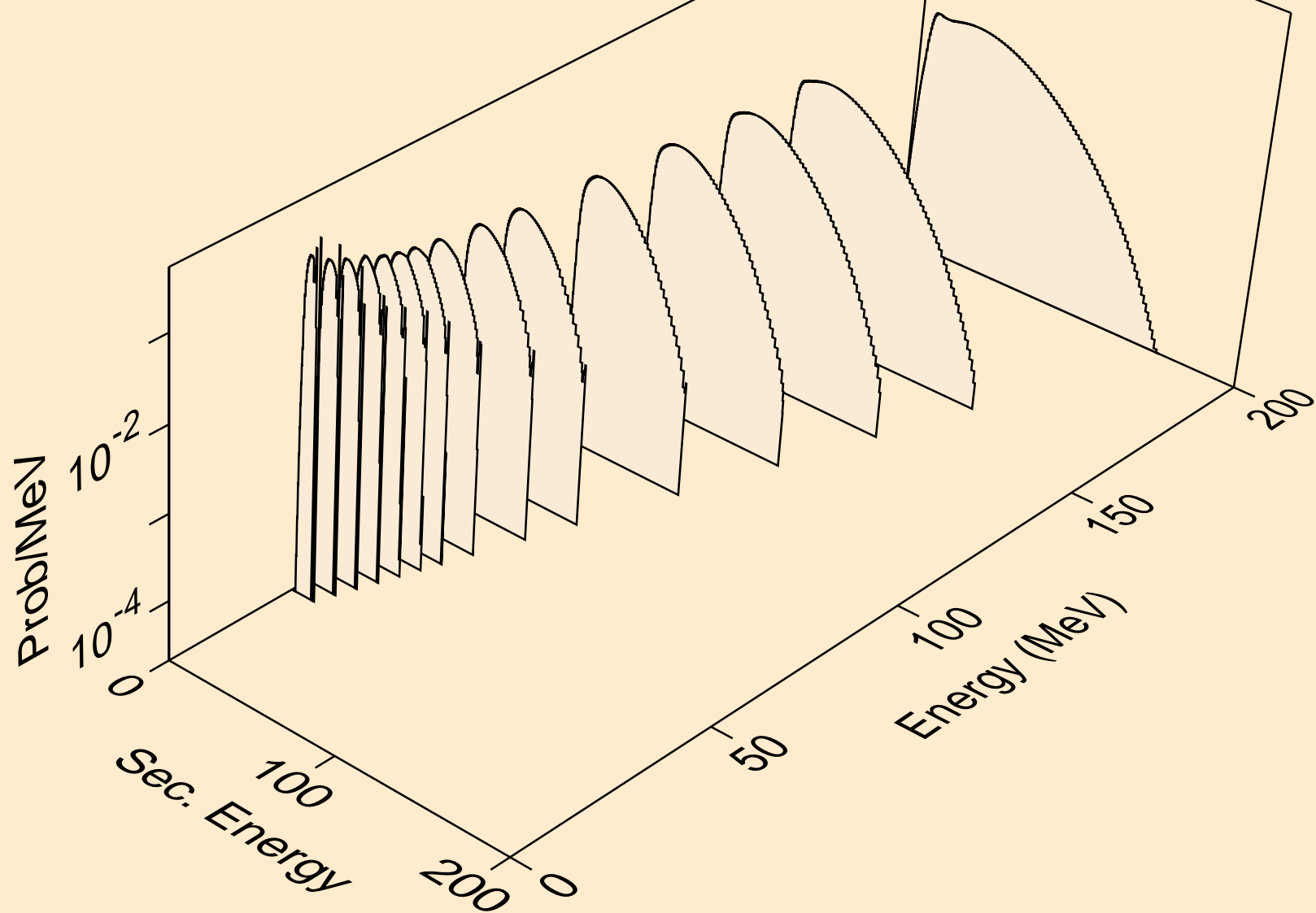
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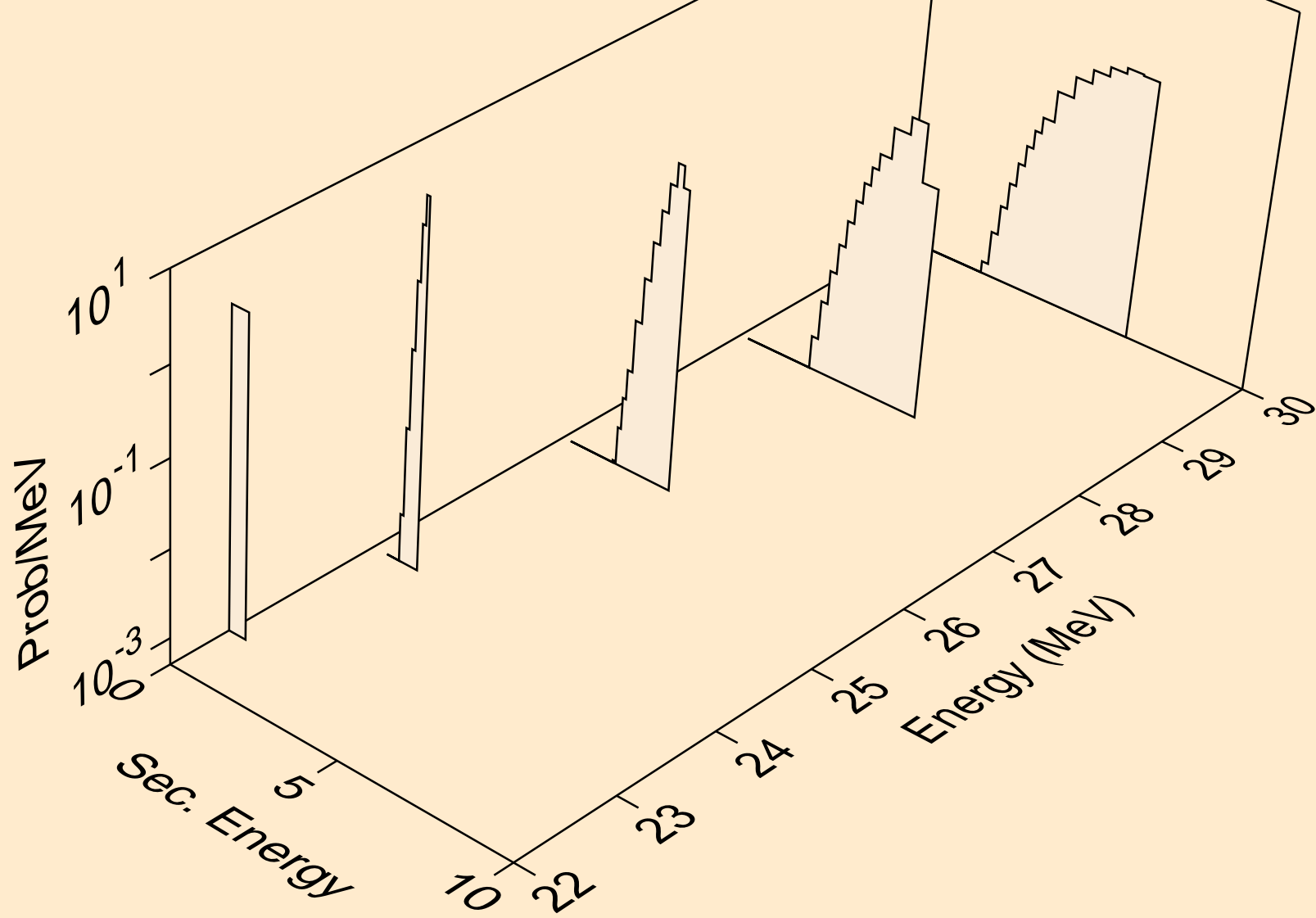
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tritons from (n,pt)



S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)

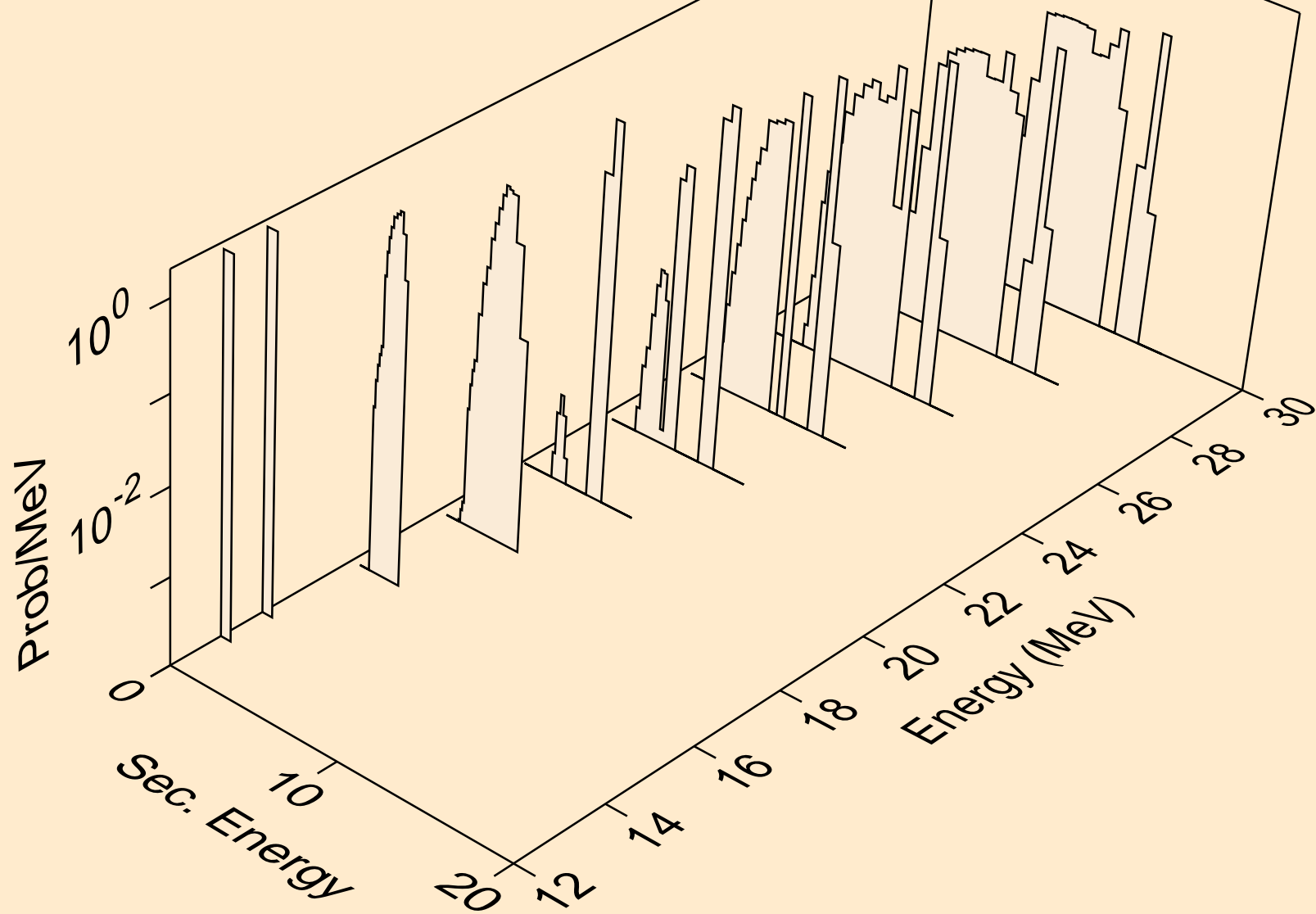


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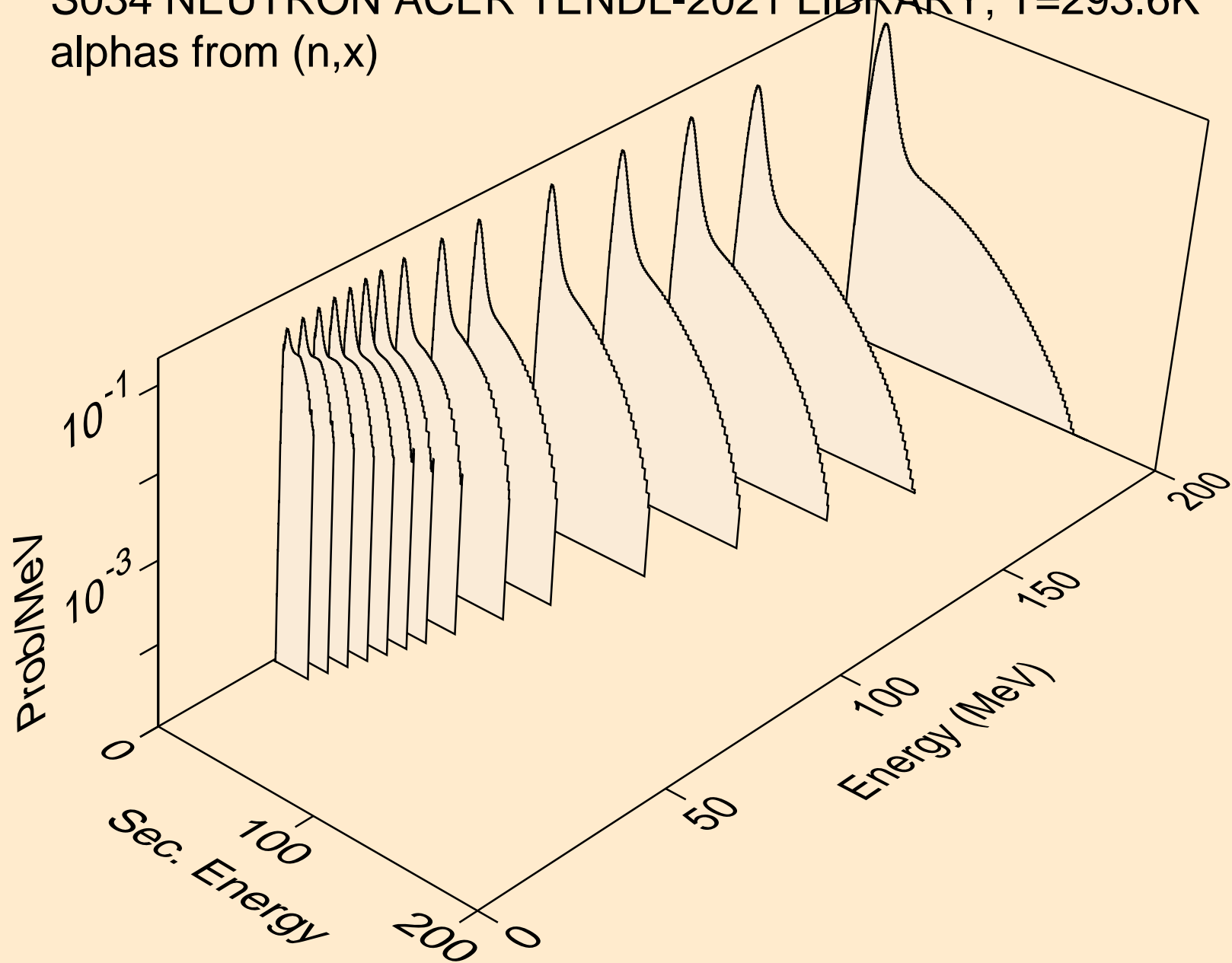




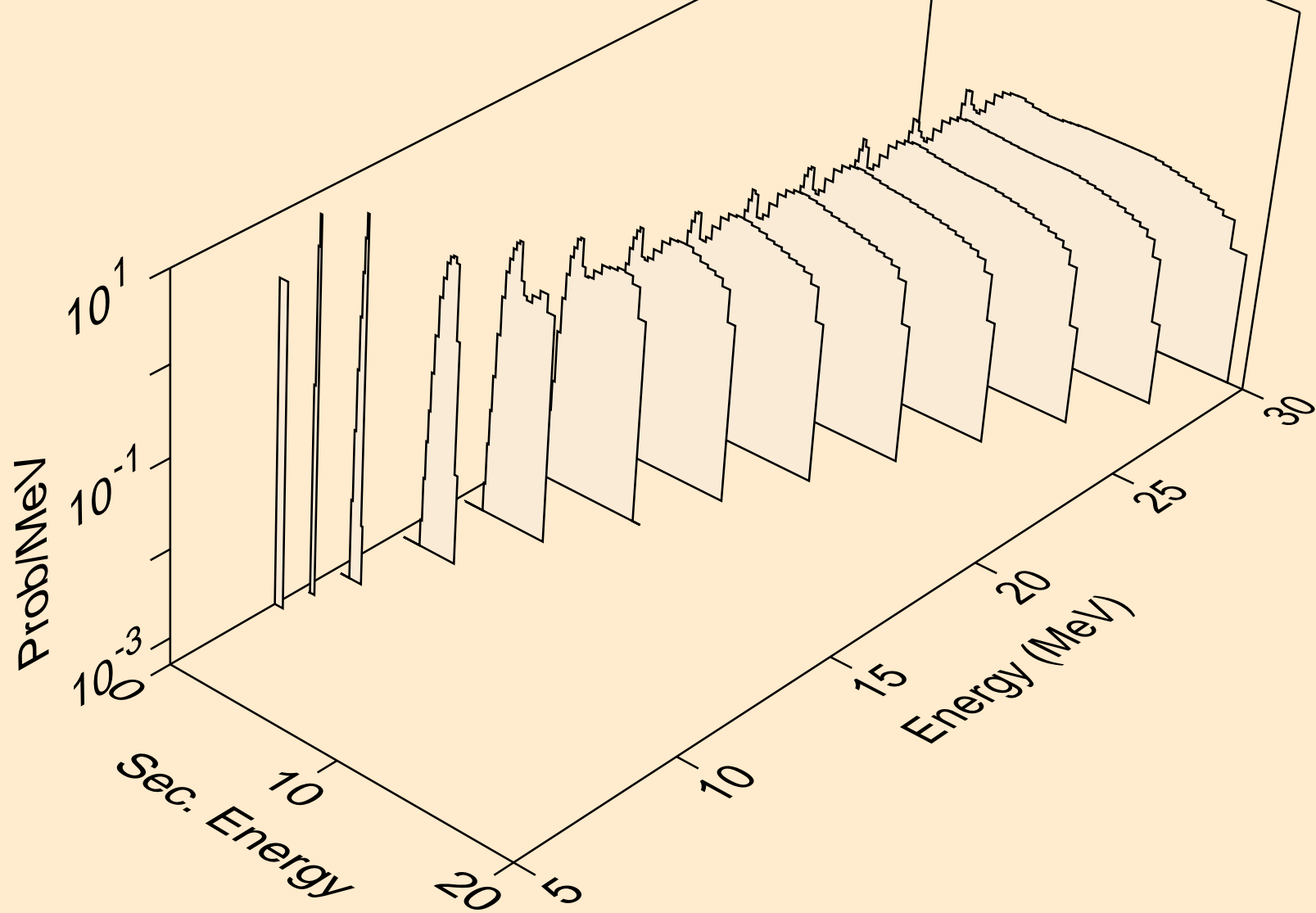
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he3s from (n,he3)



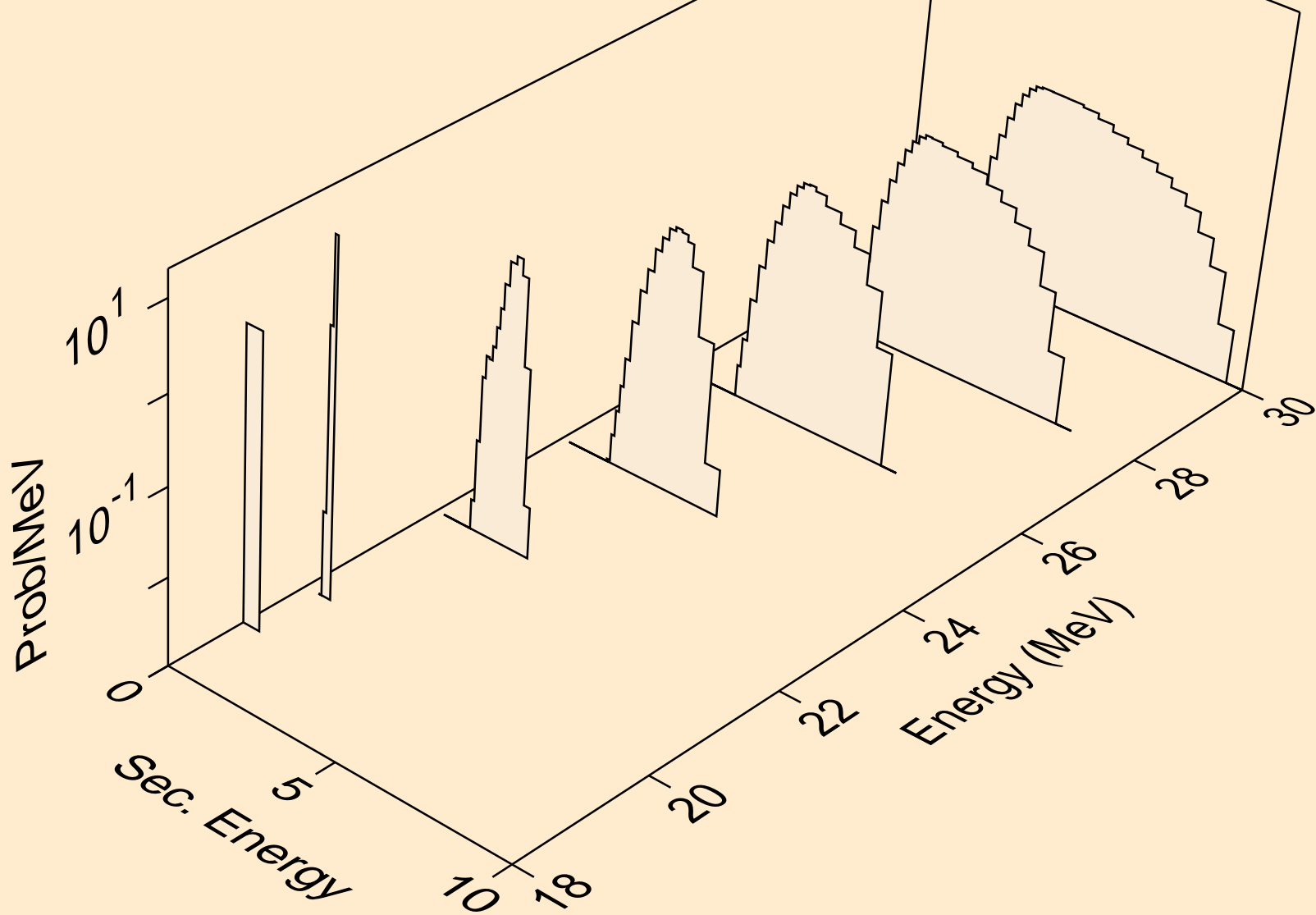
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alphas from (n,x)



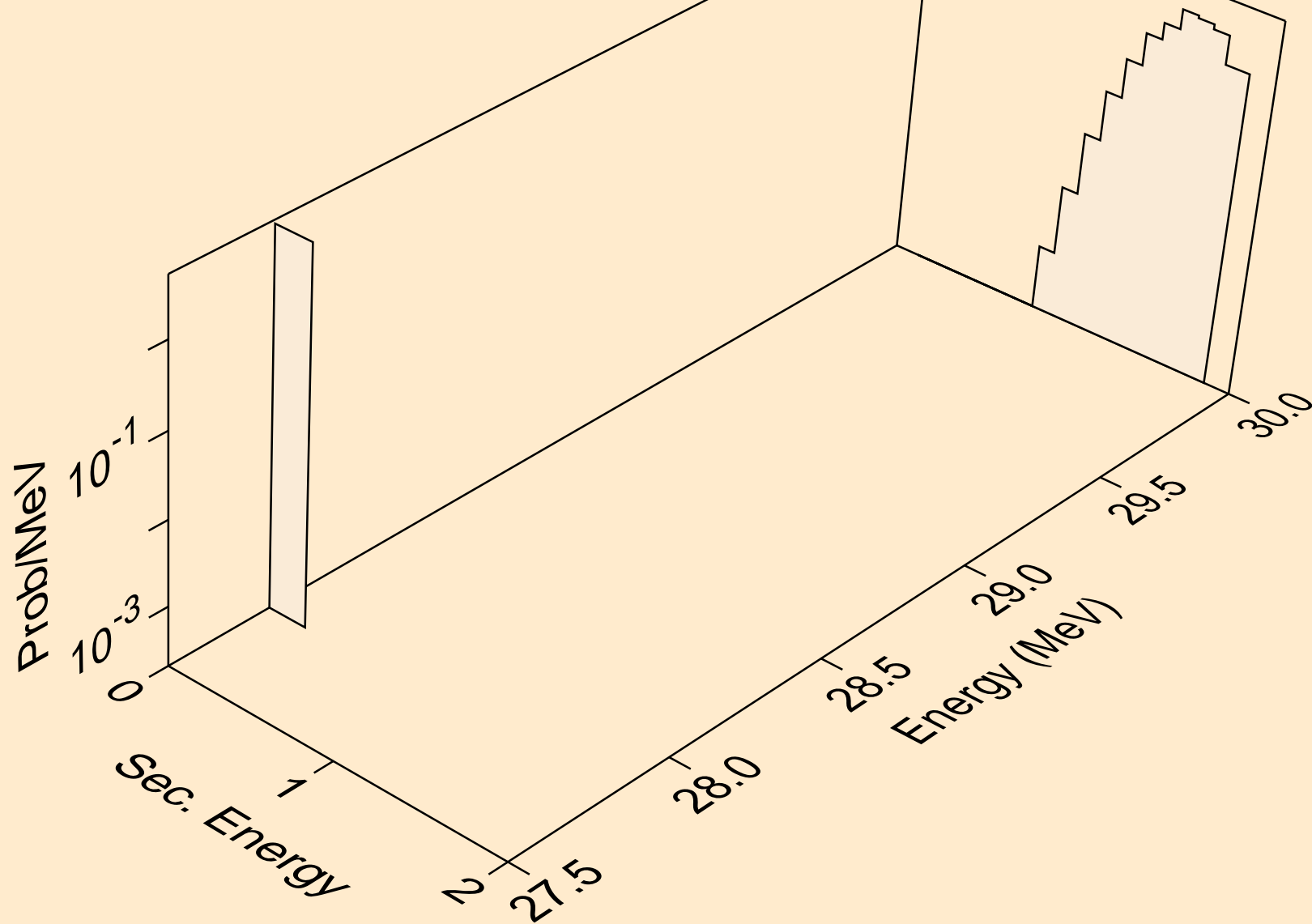
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alphas from (n,n\*)a



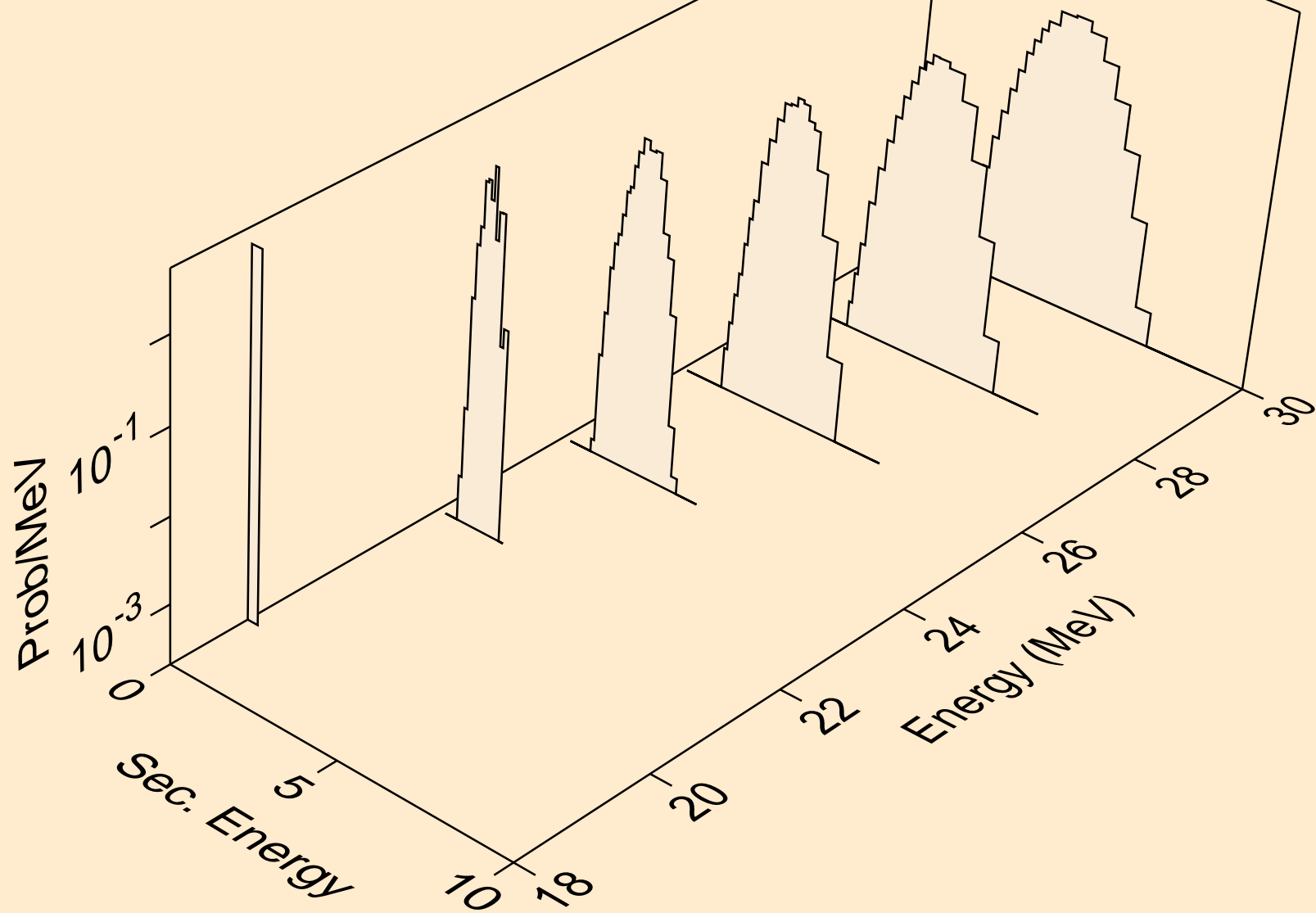
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alphas from (n,2n)a



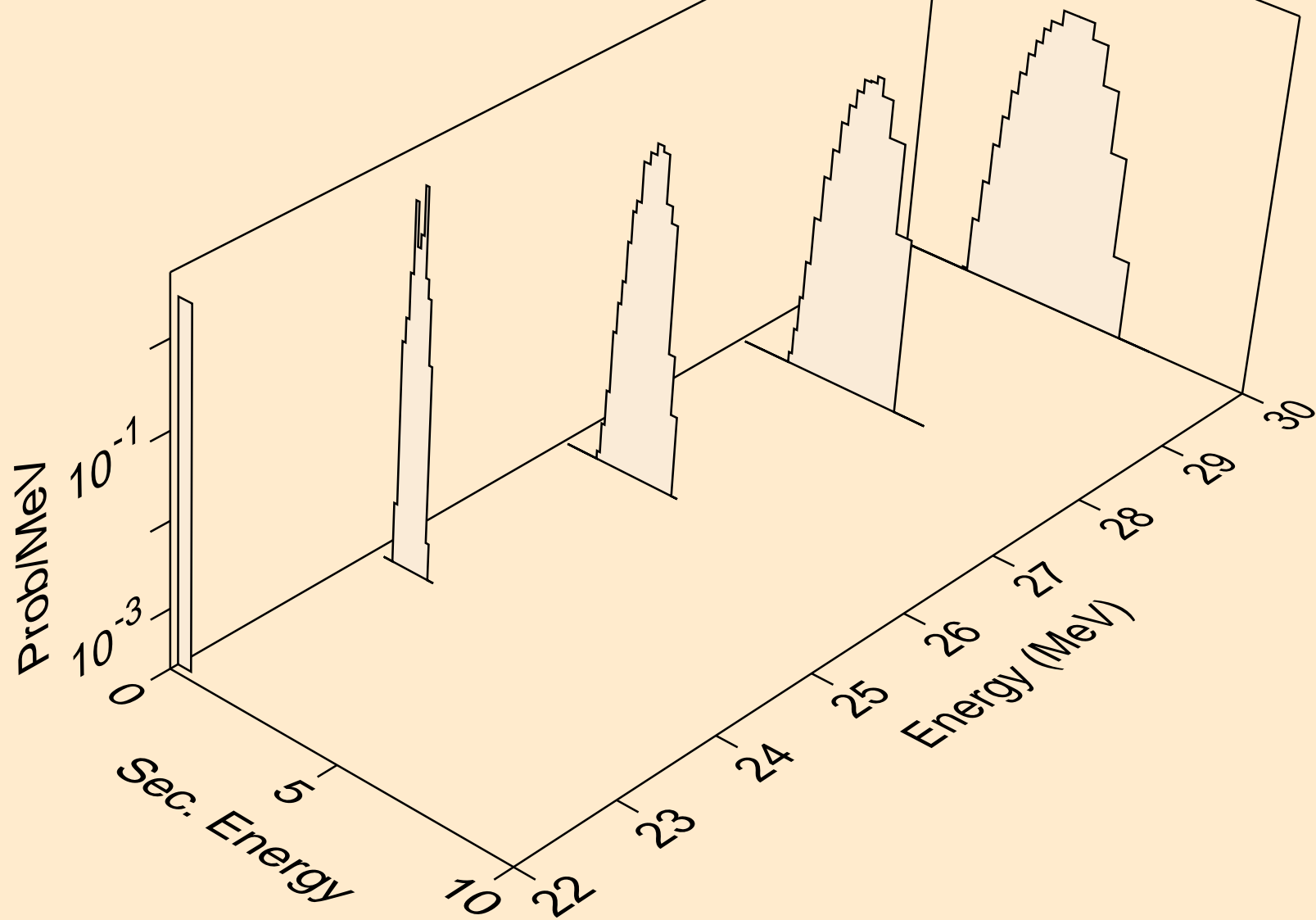
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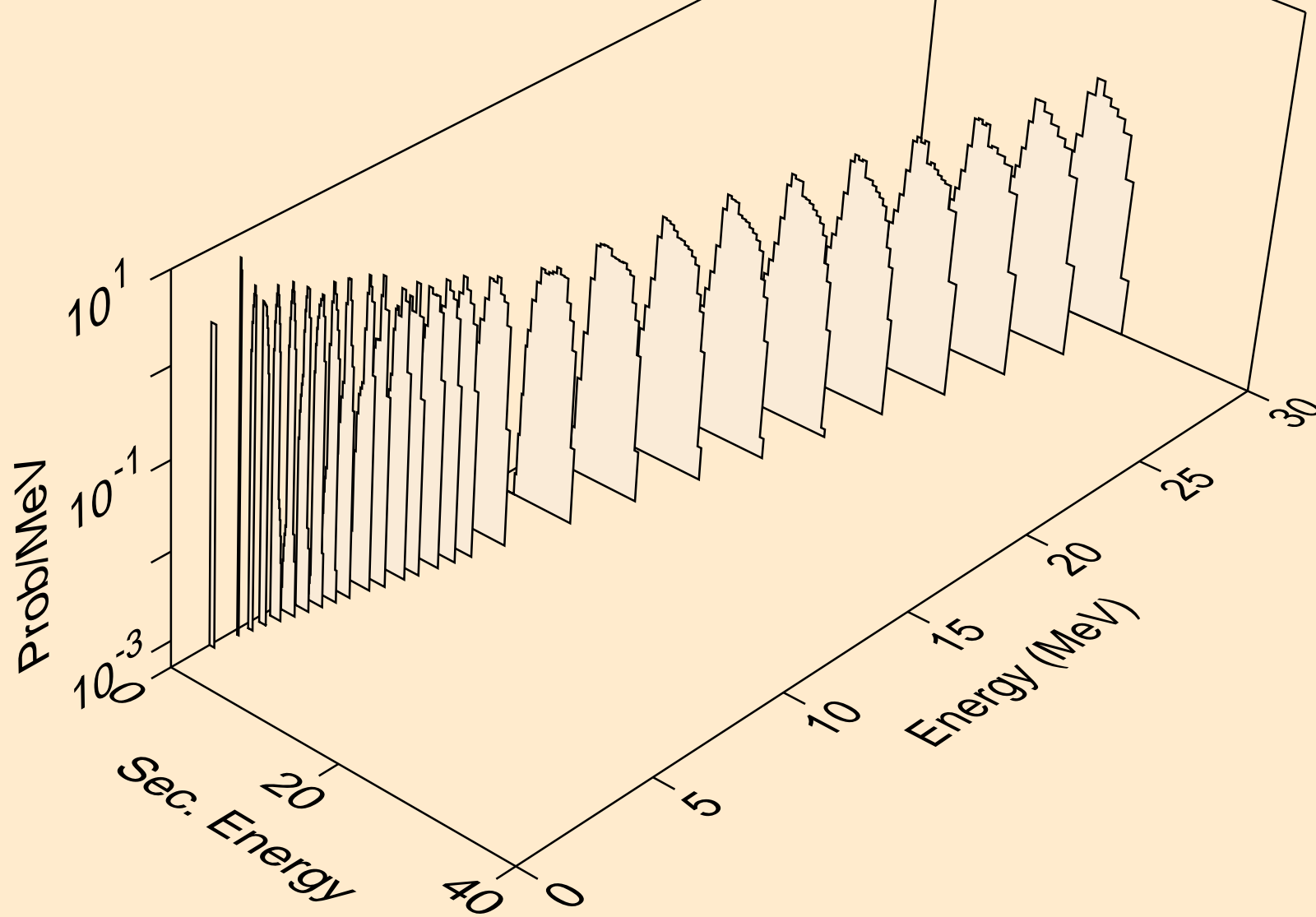
S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)

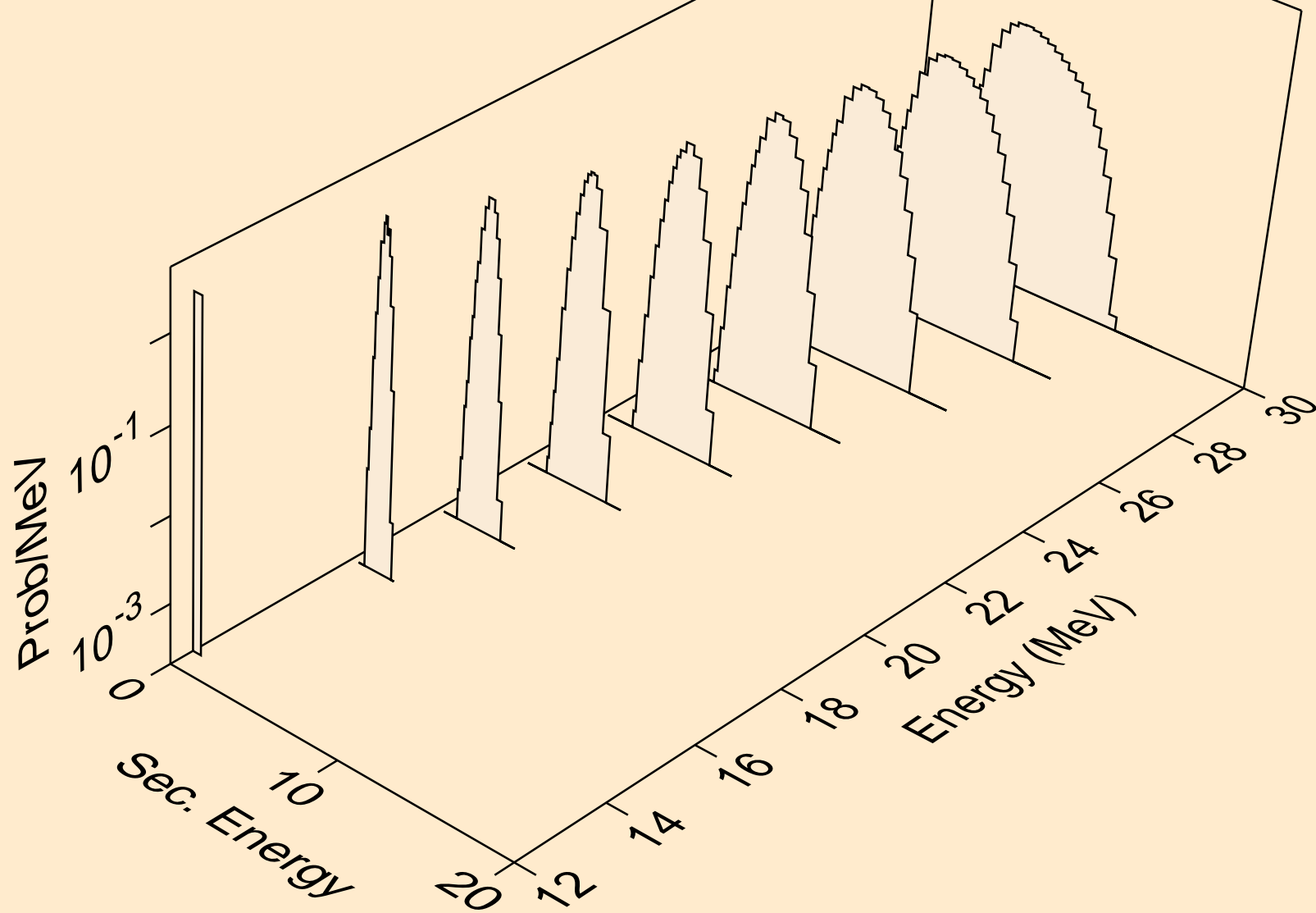


S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)

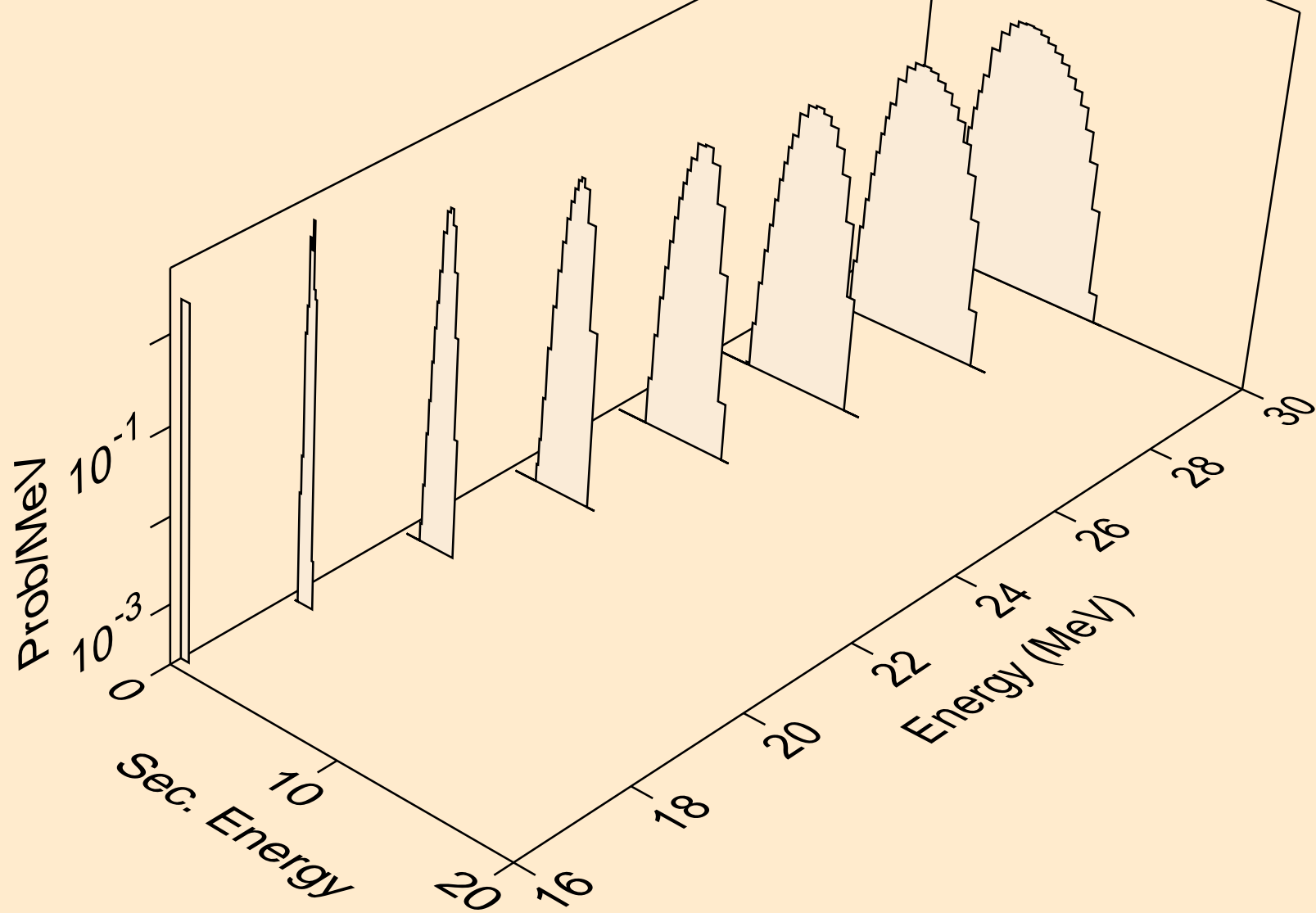




S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



S034 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

