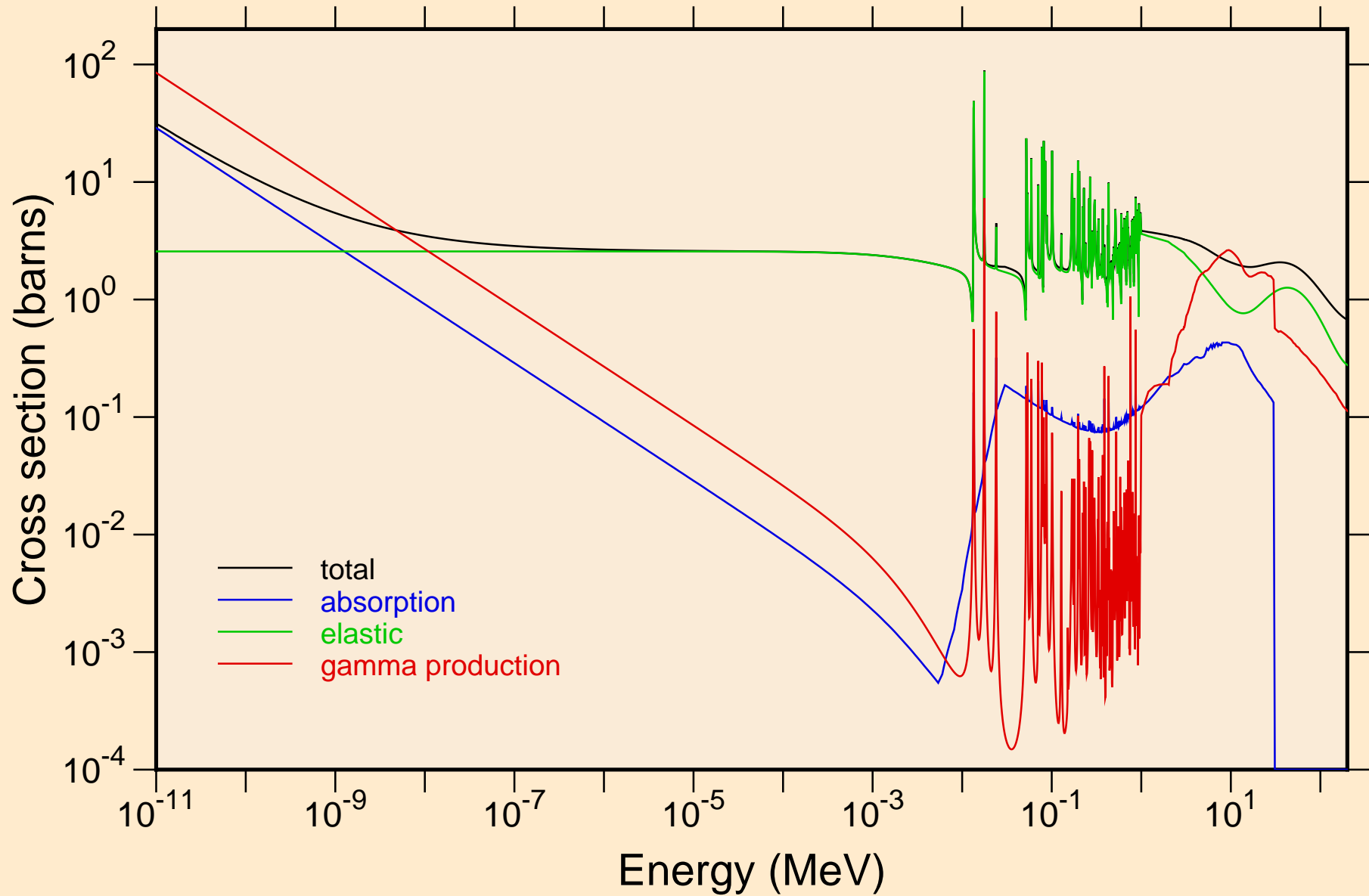
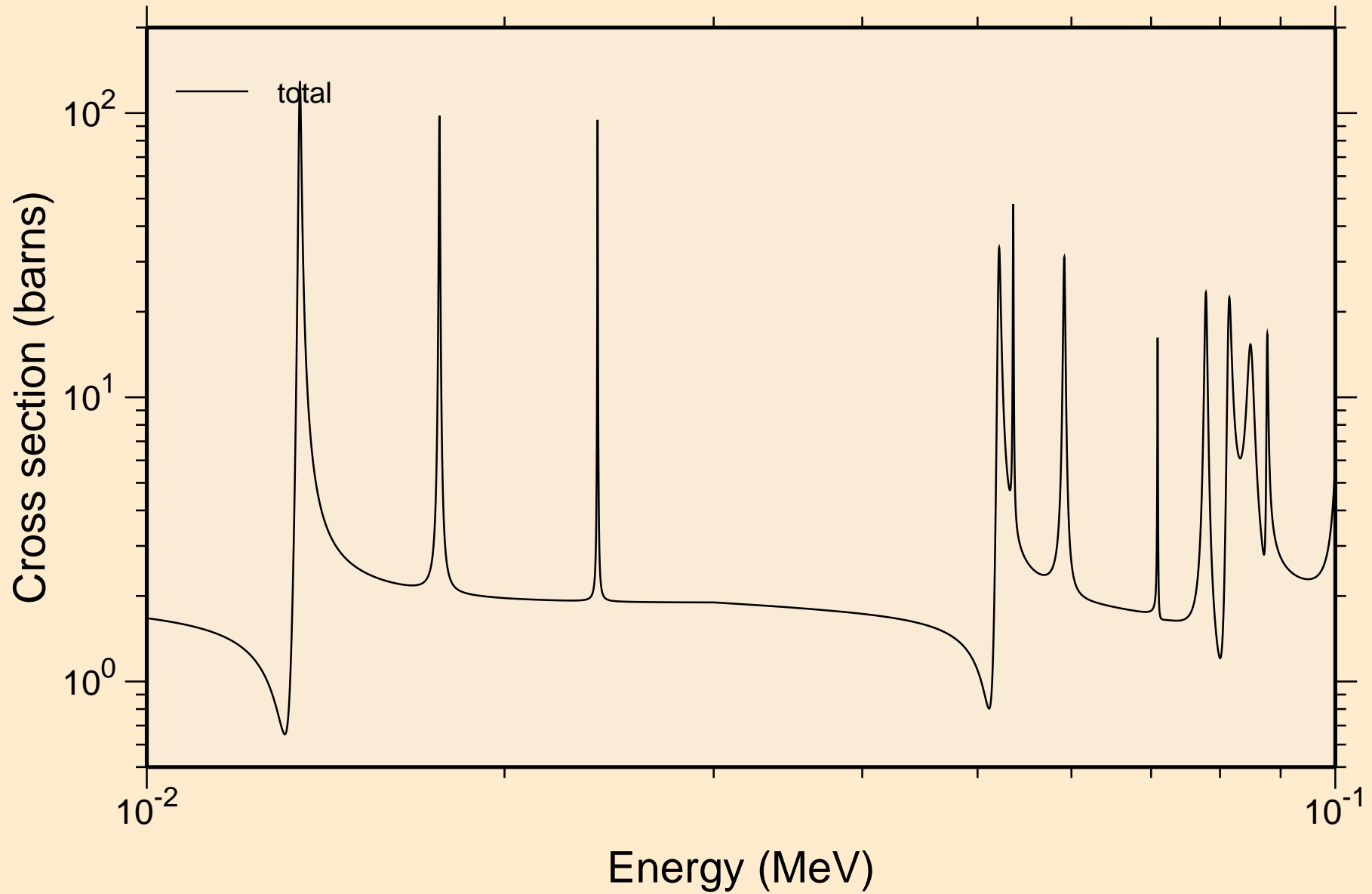


# S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

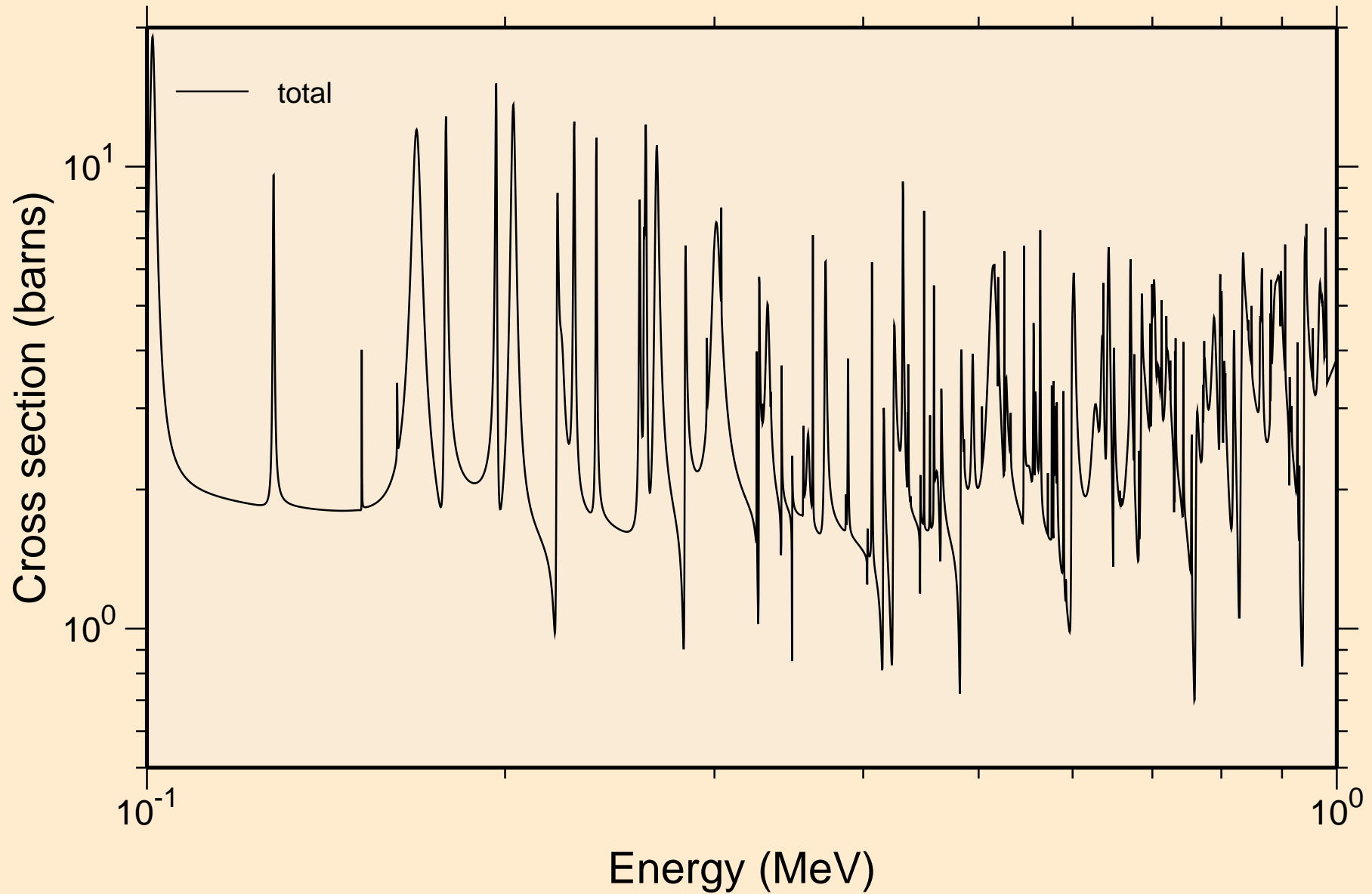
## Principal cross sections



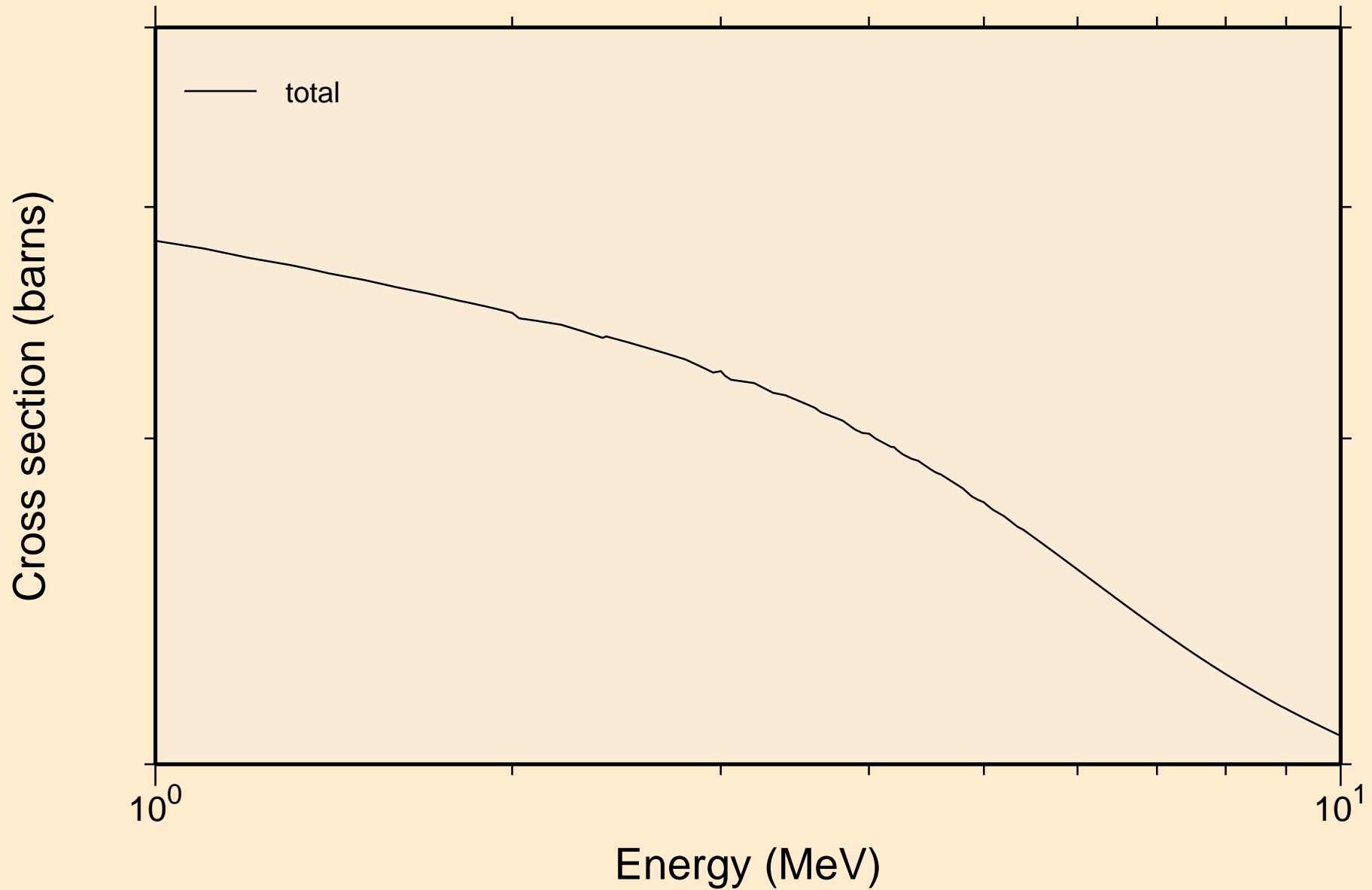
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



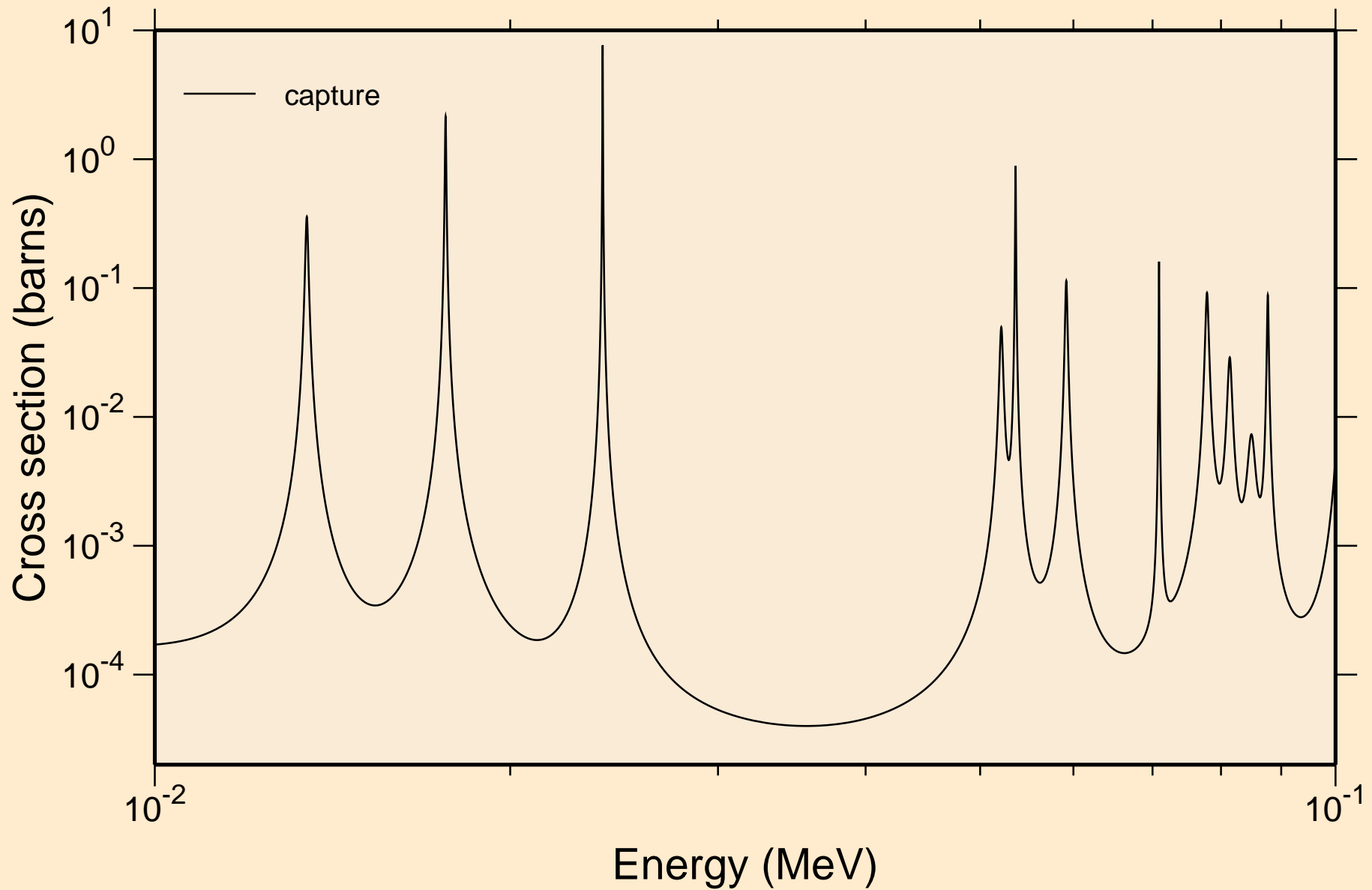
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



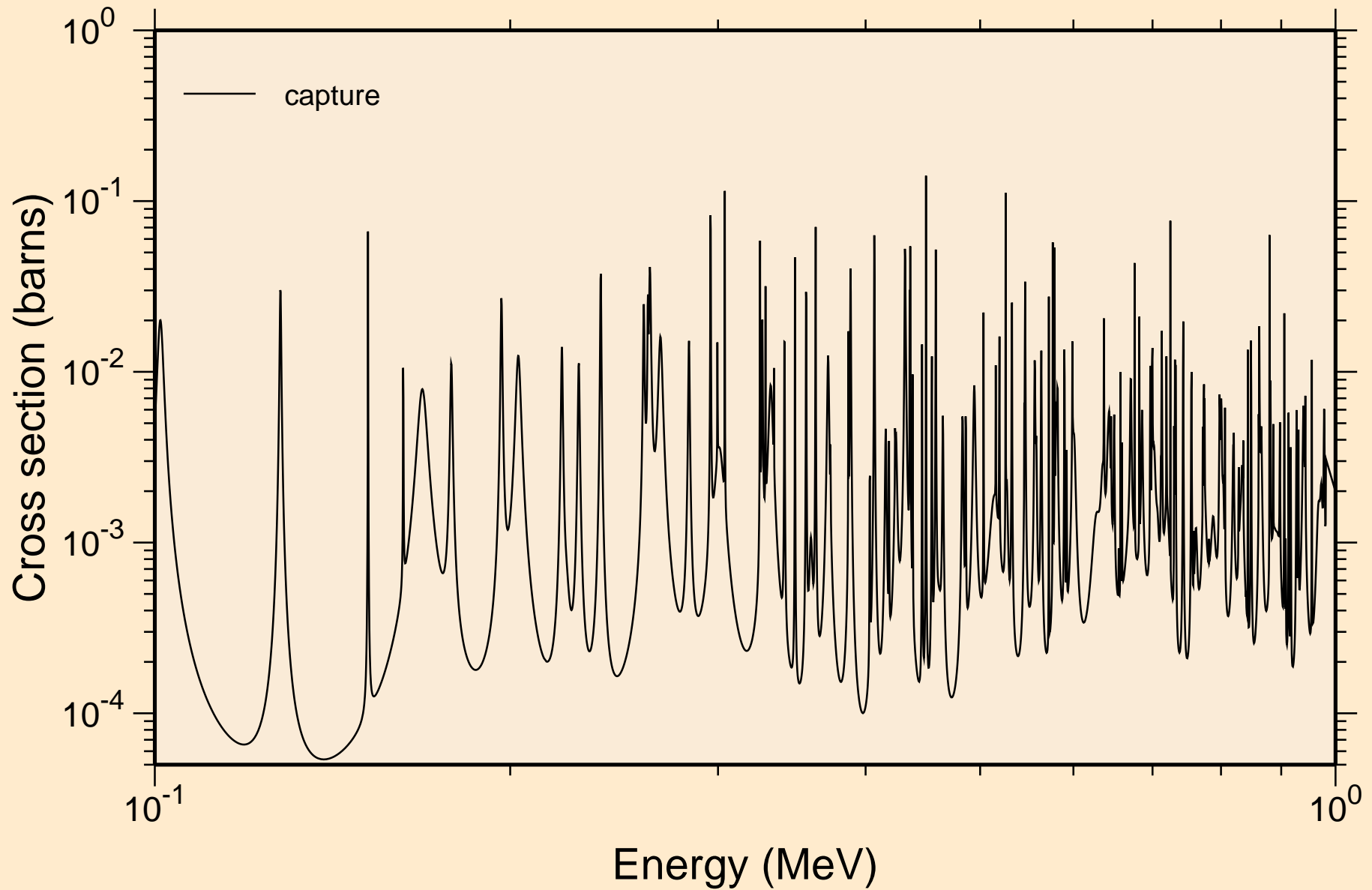
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



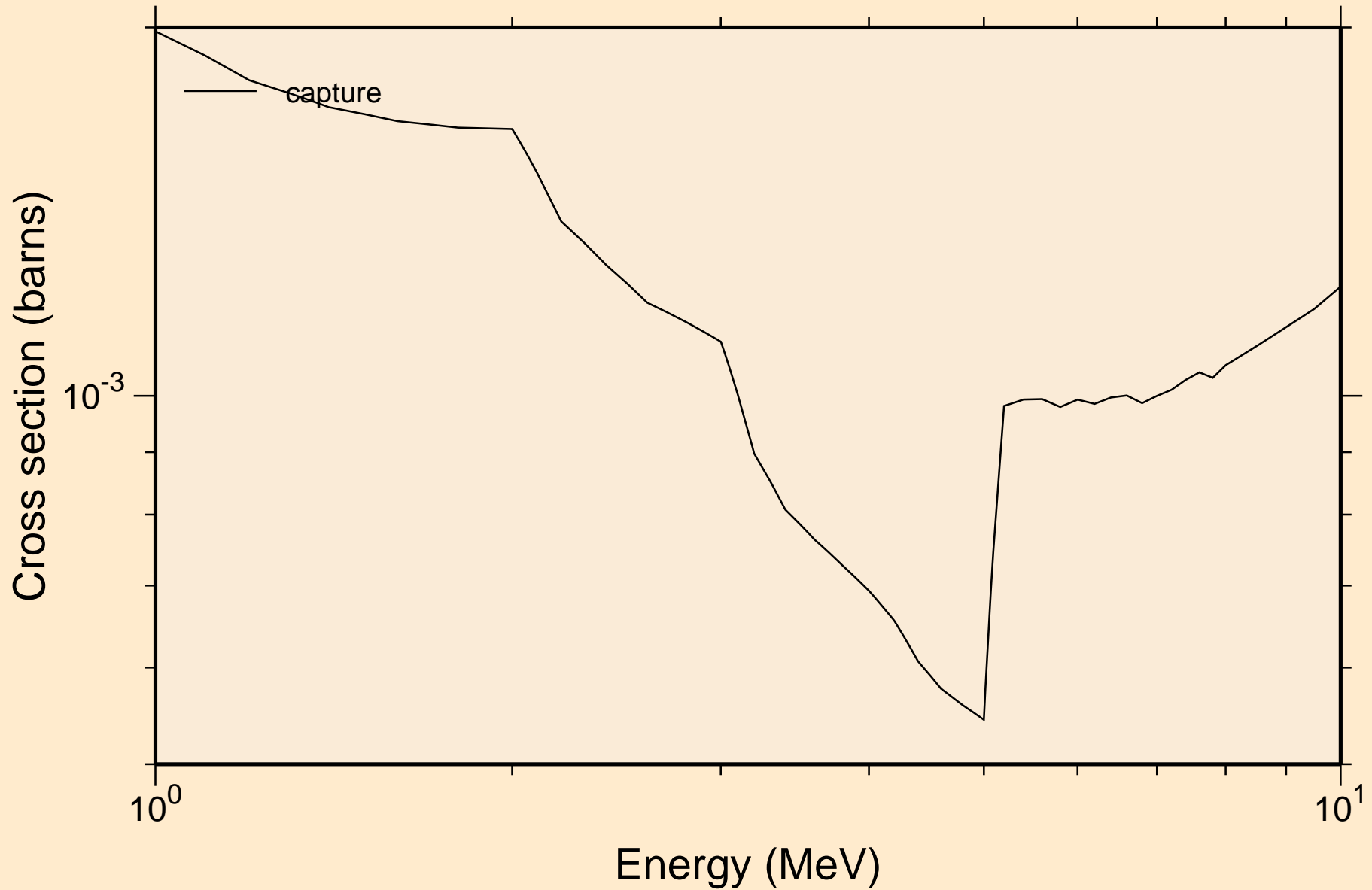
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

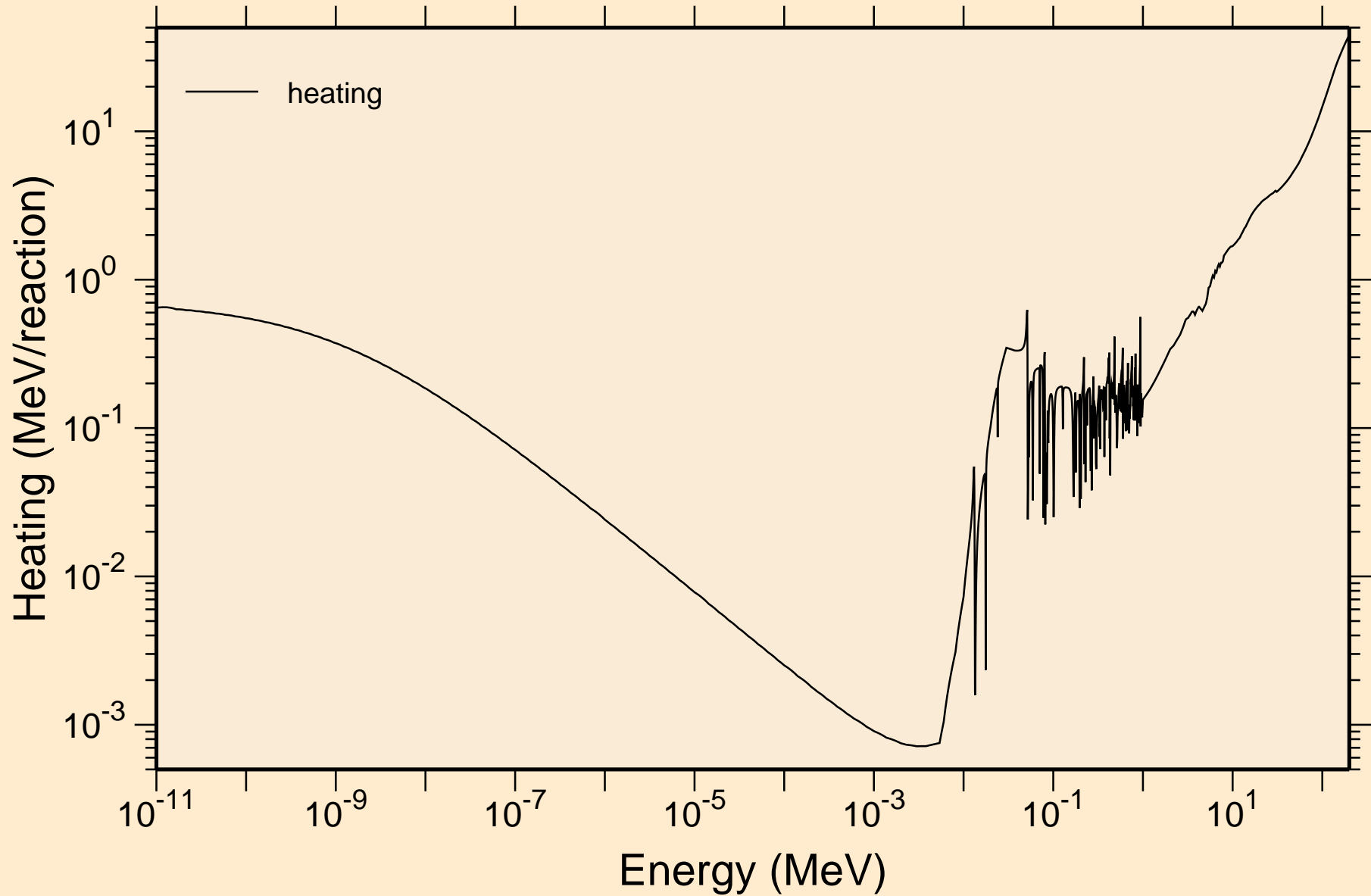


S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



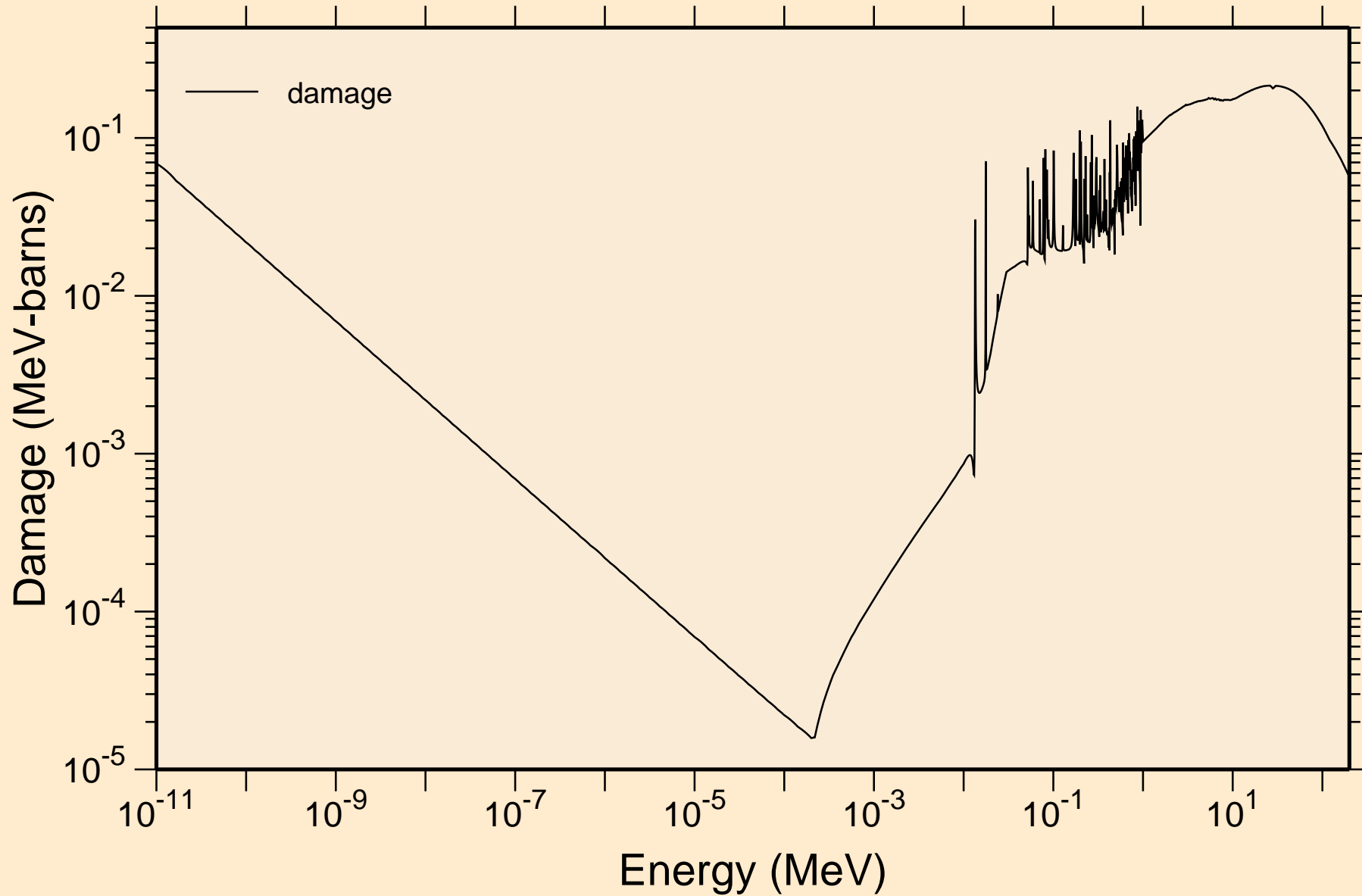
# S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



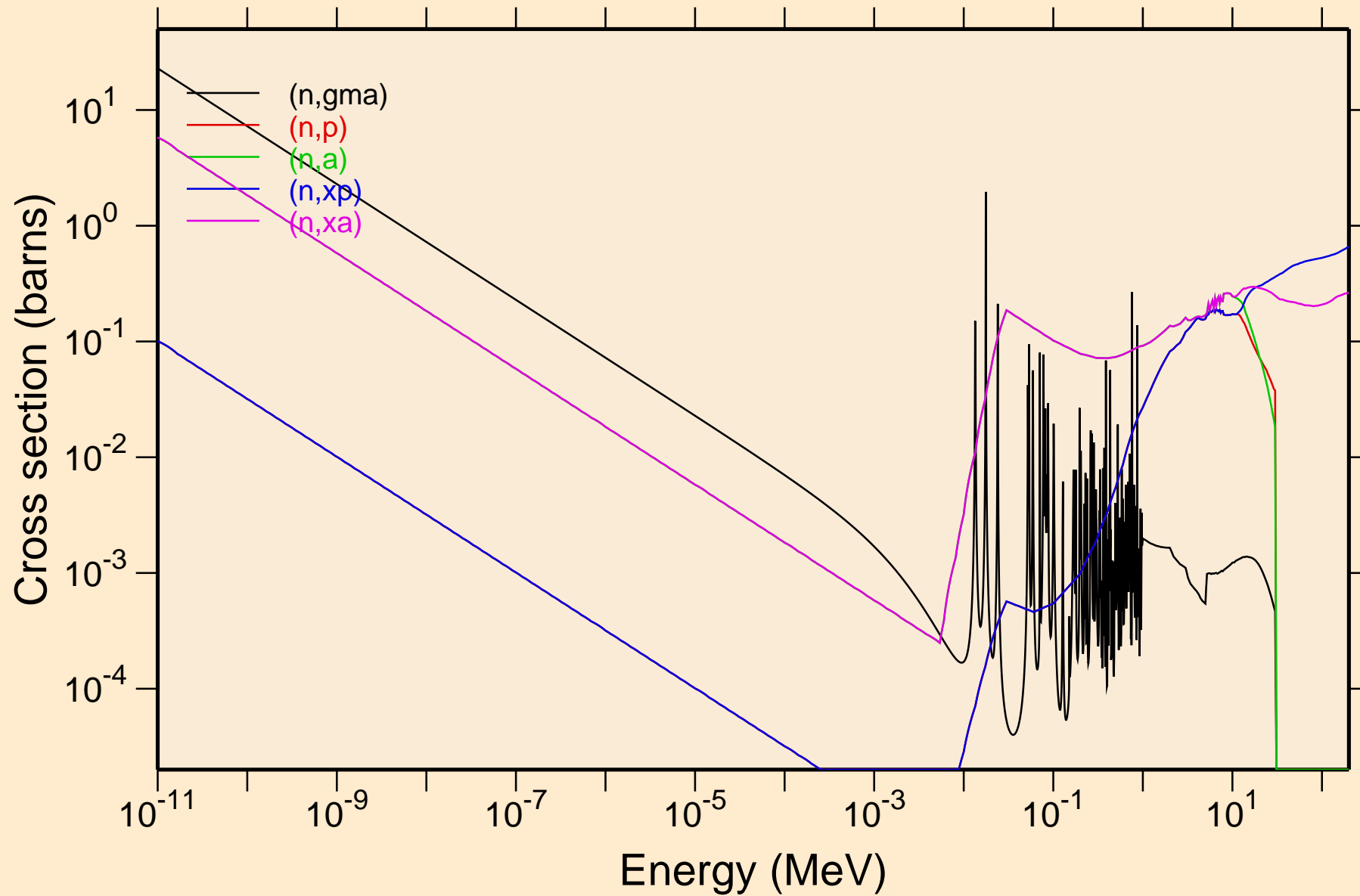


S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



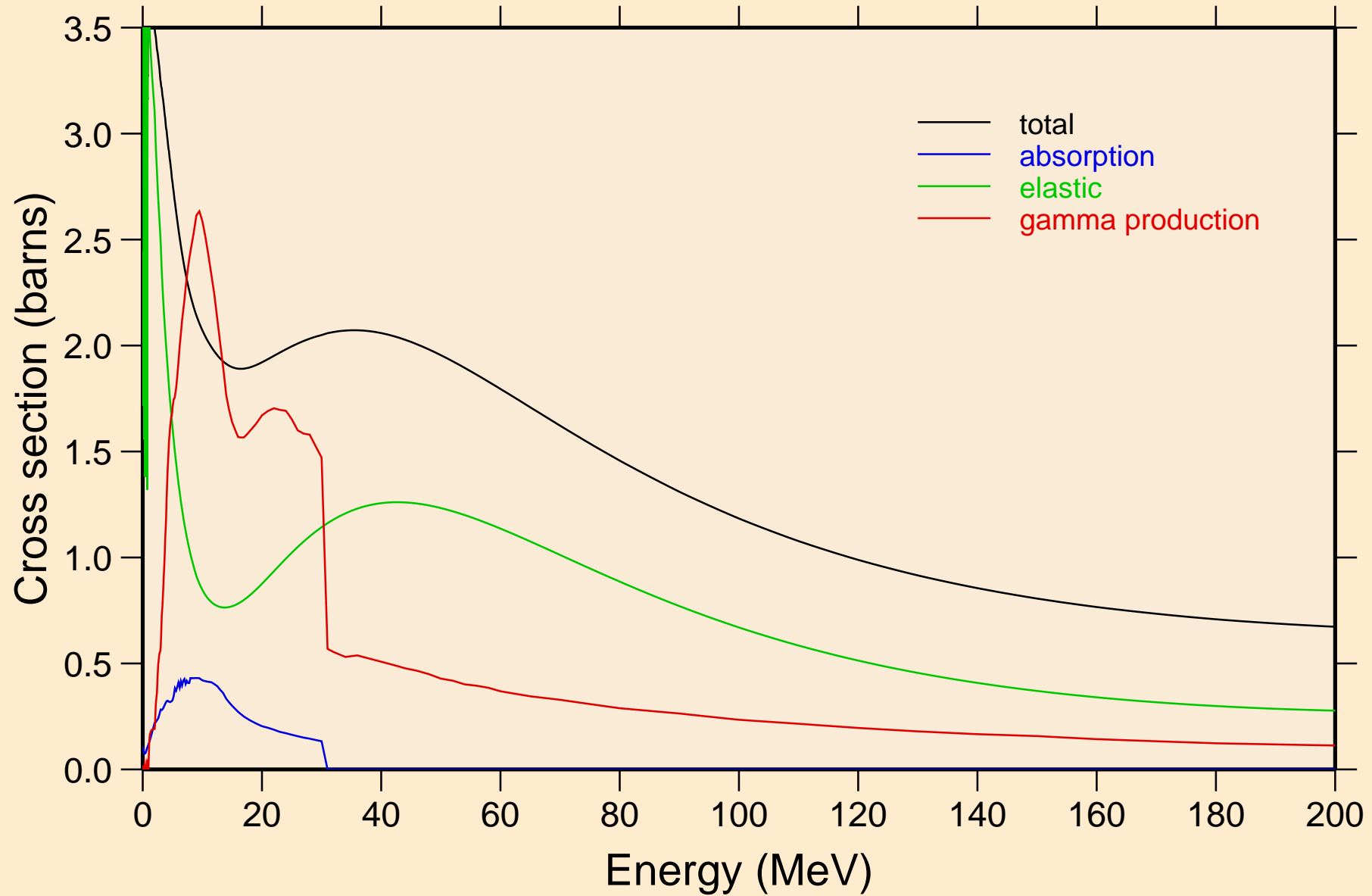
# S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions



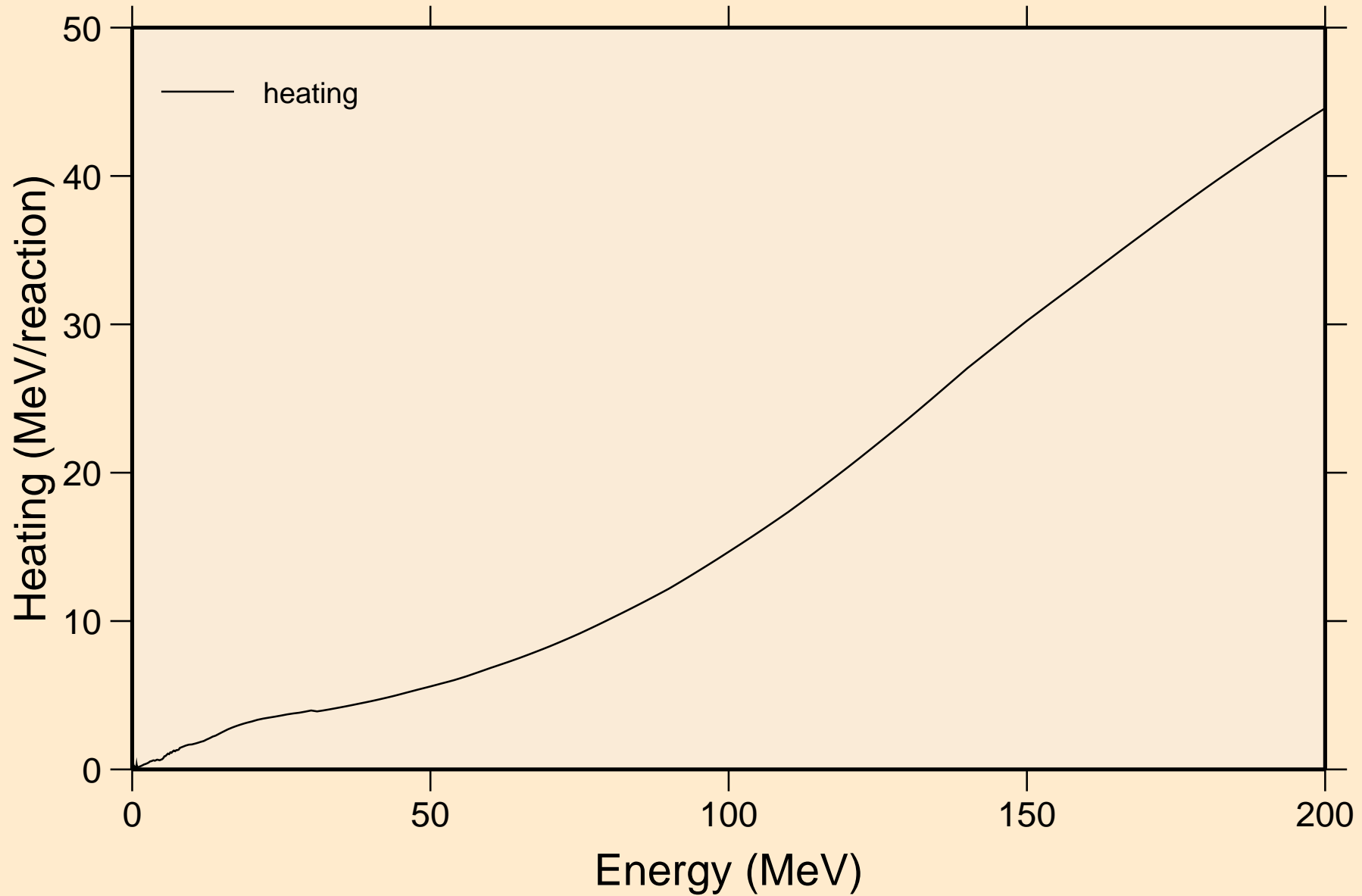
# S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



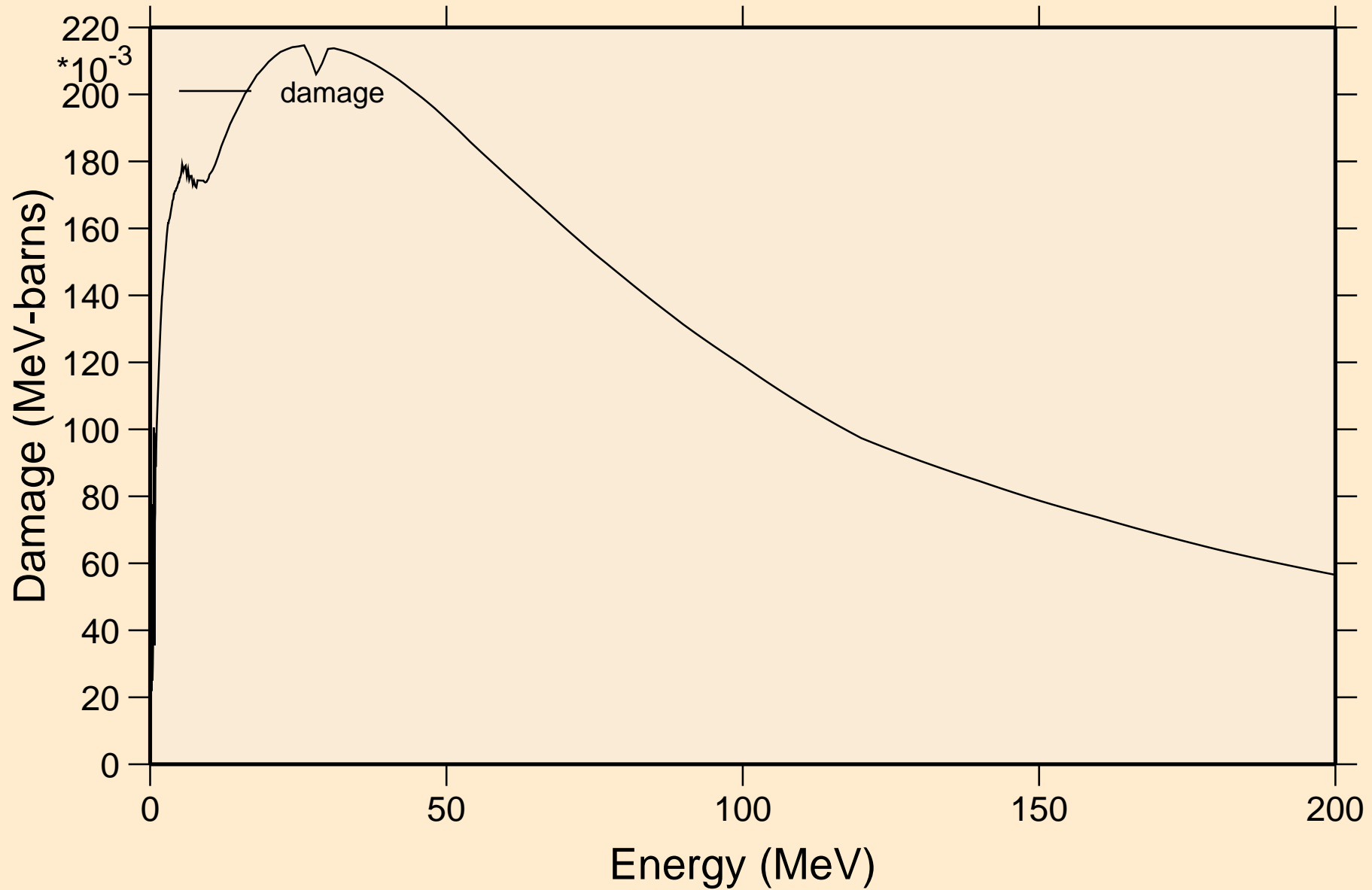
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## Heating



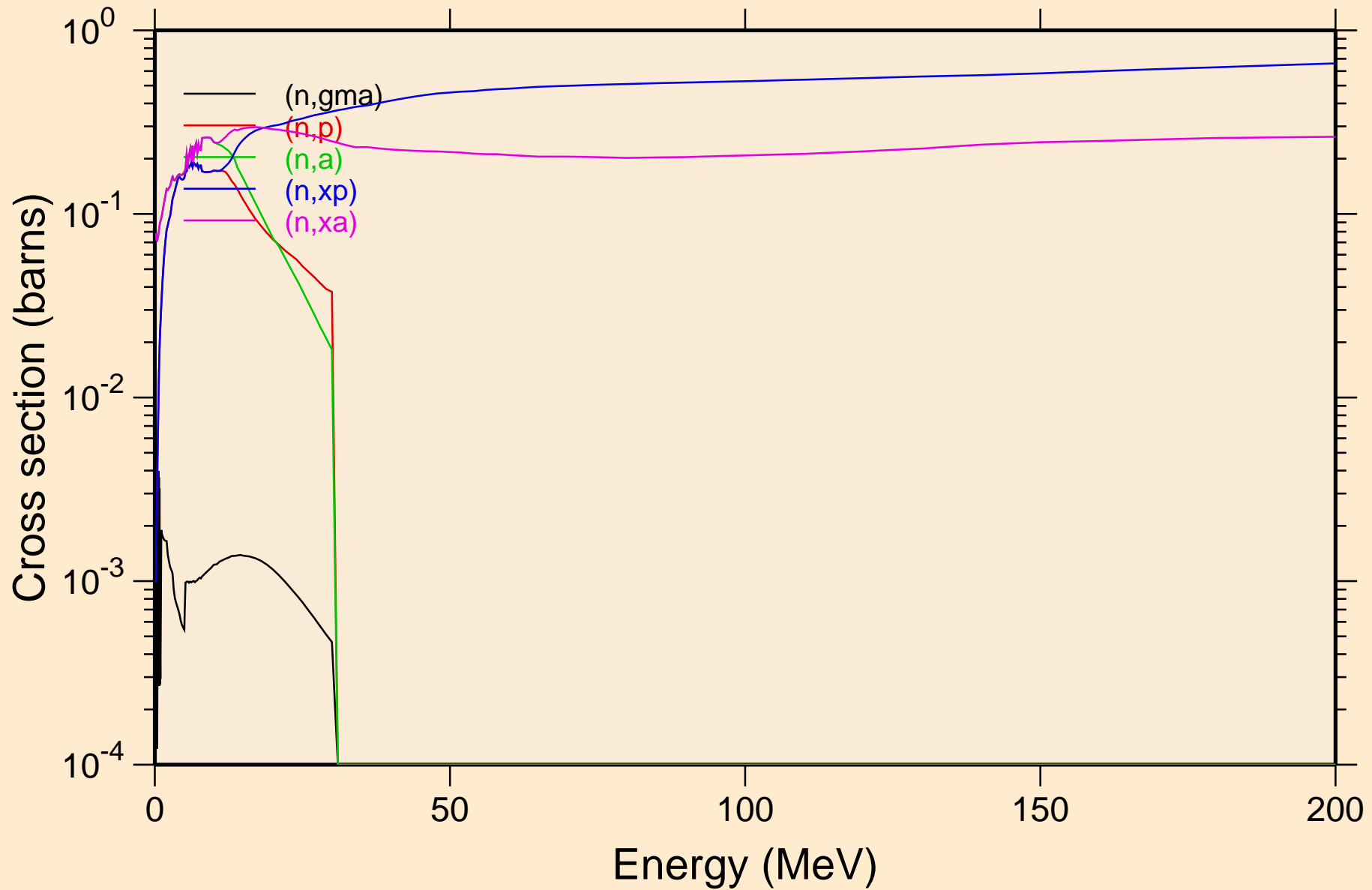
# S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

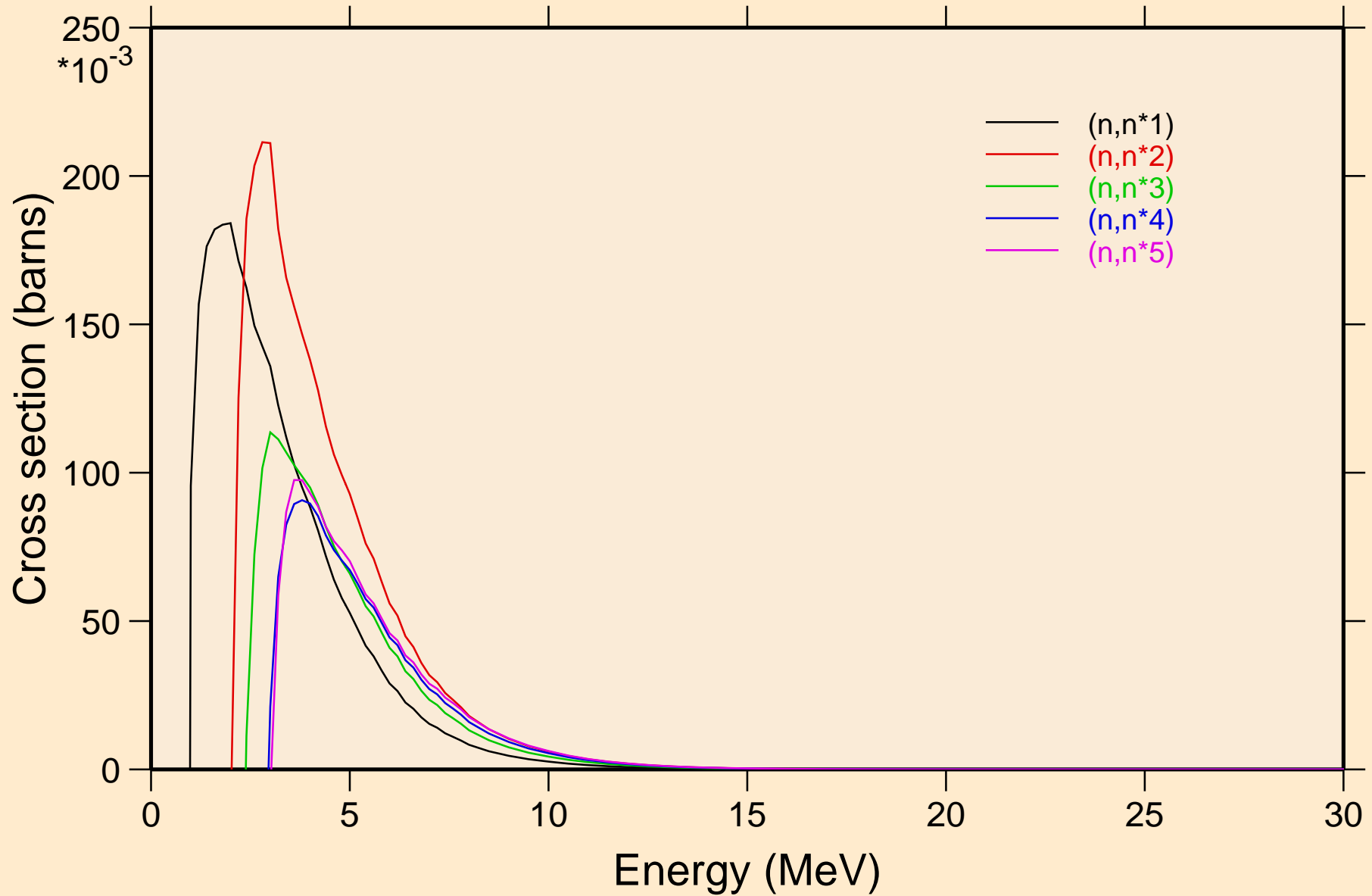


# S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

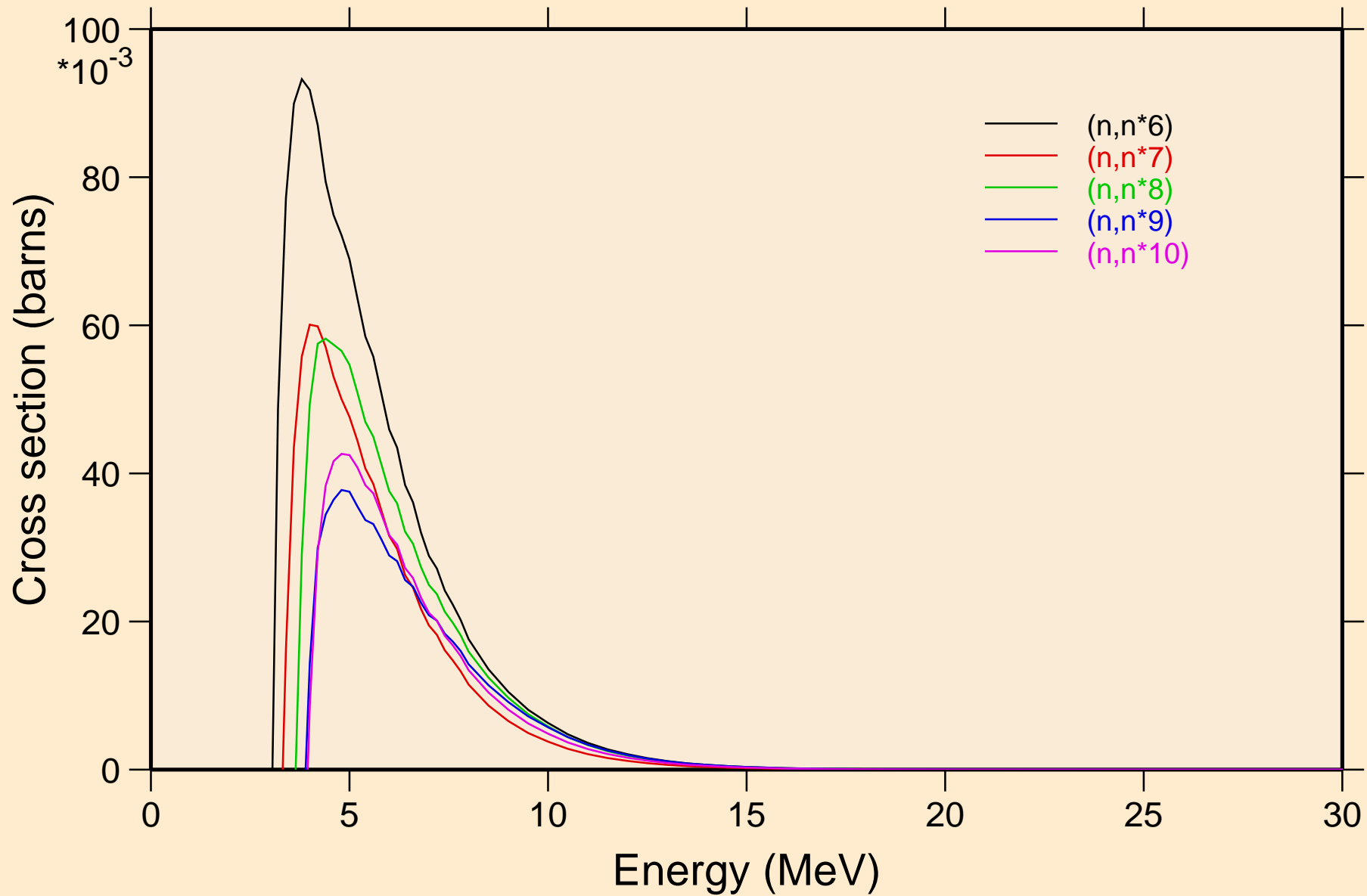
## Non-threshold reactions



S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

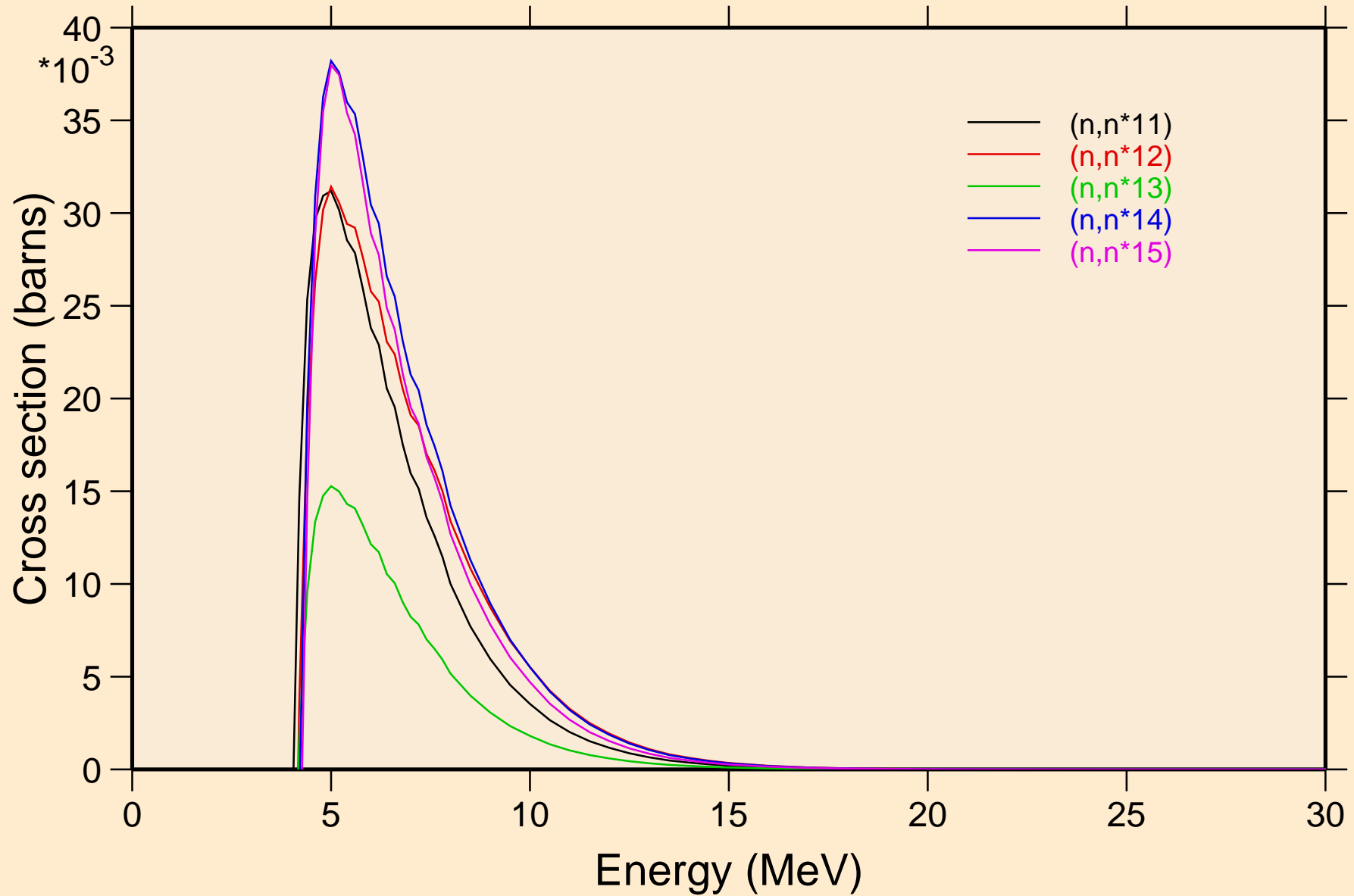


S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

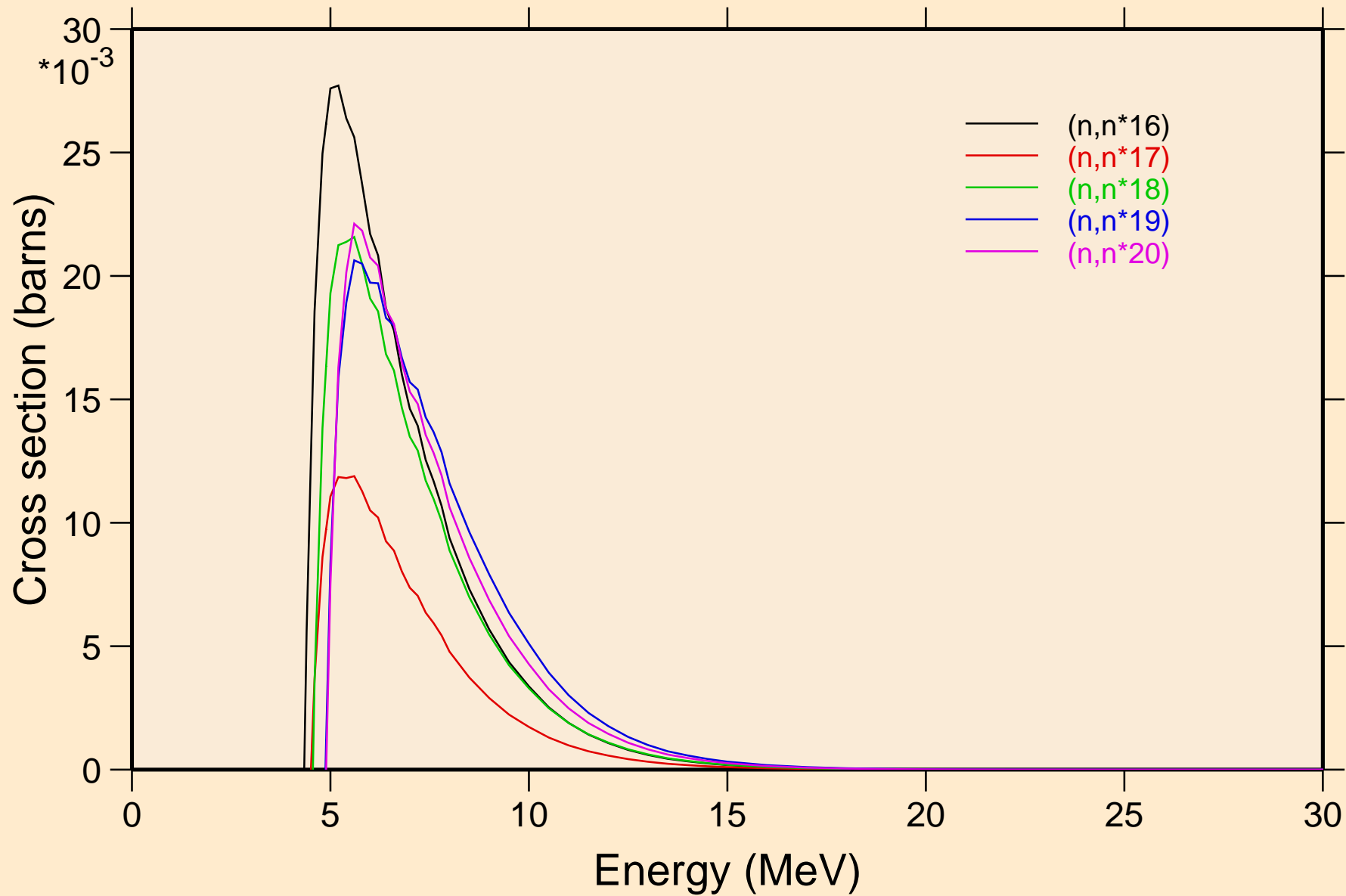




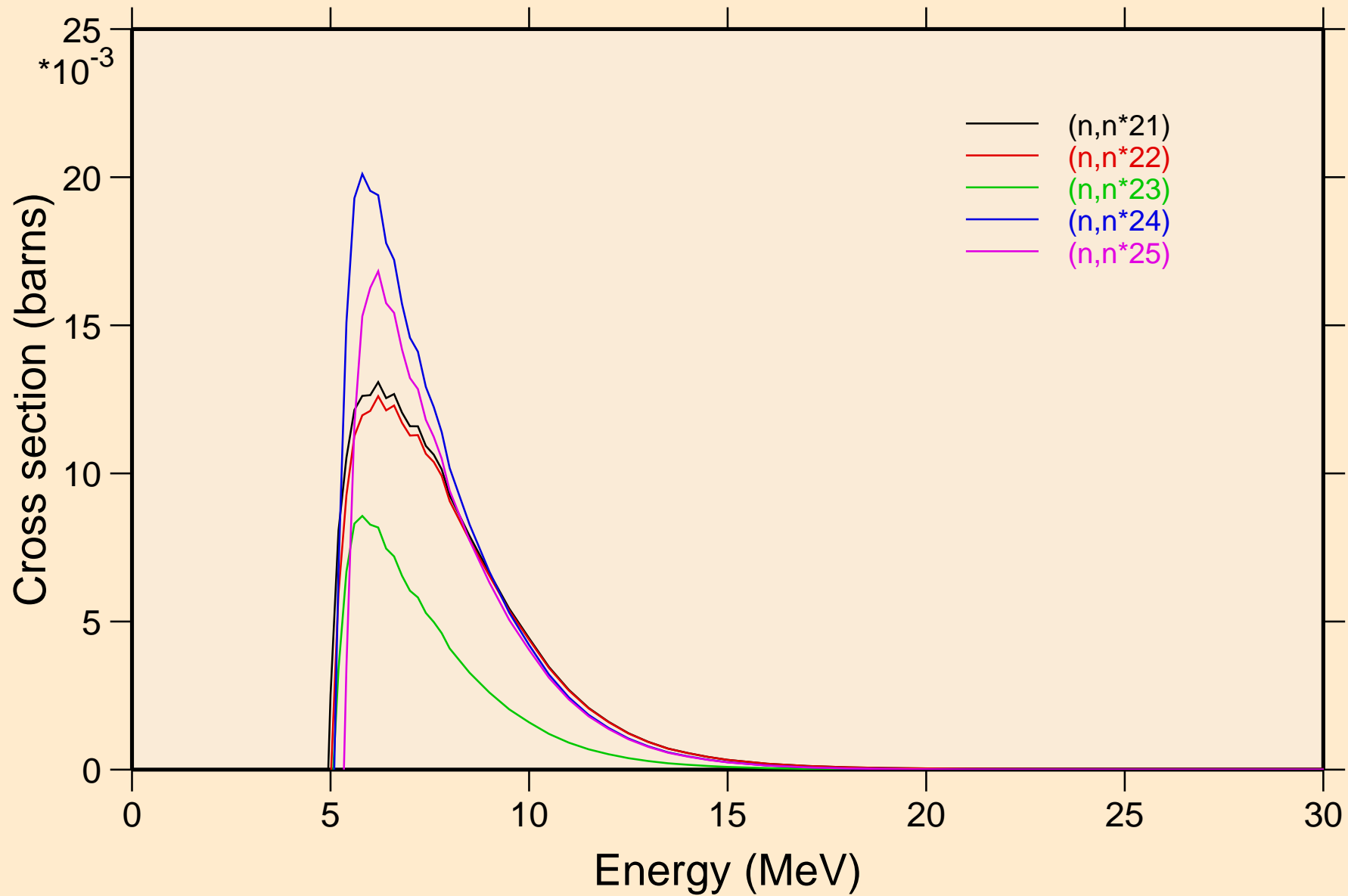
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



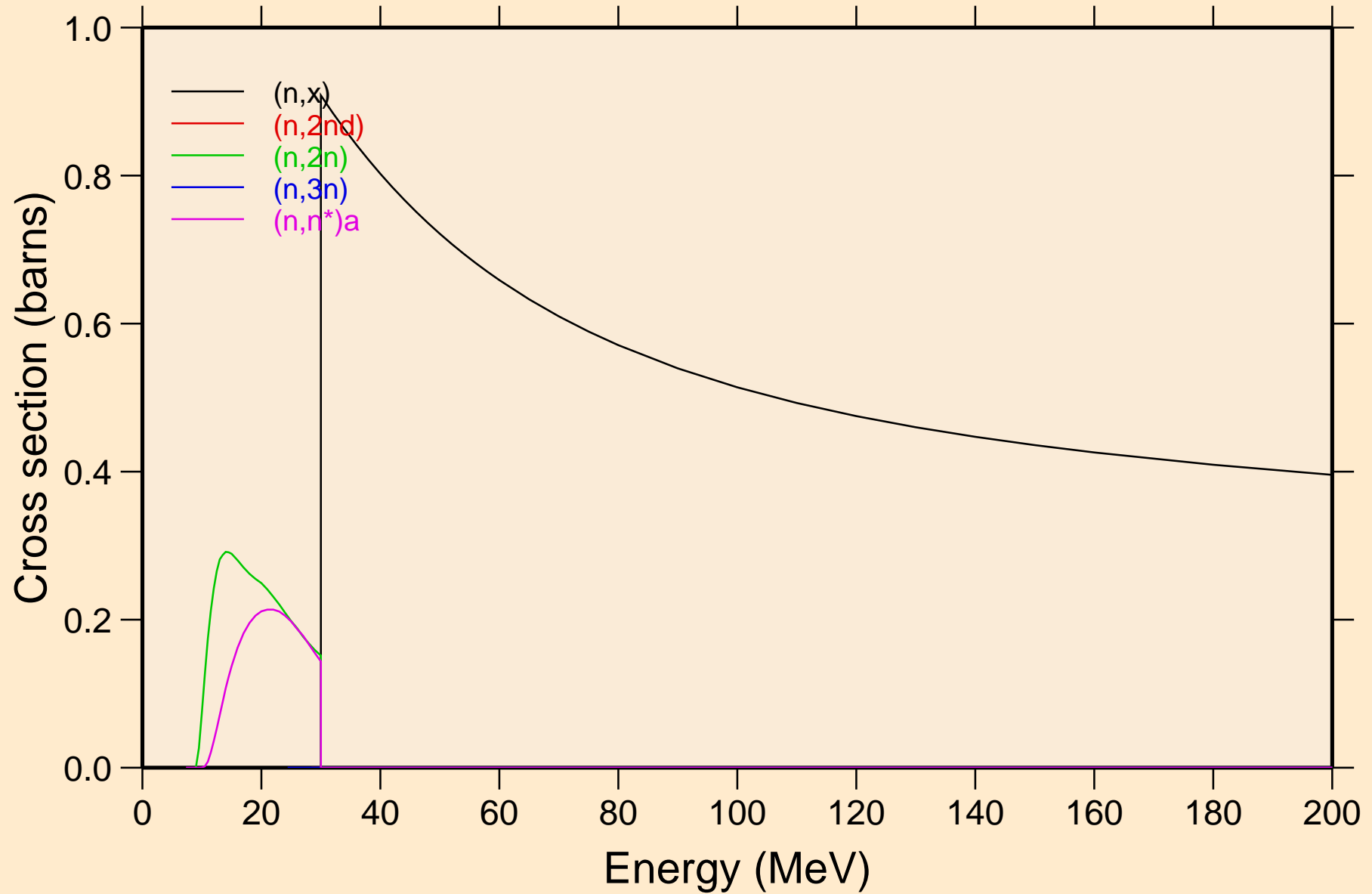
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

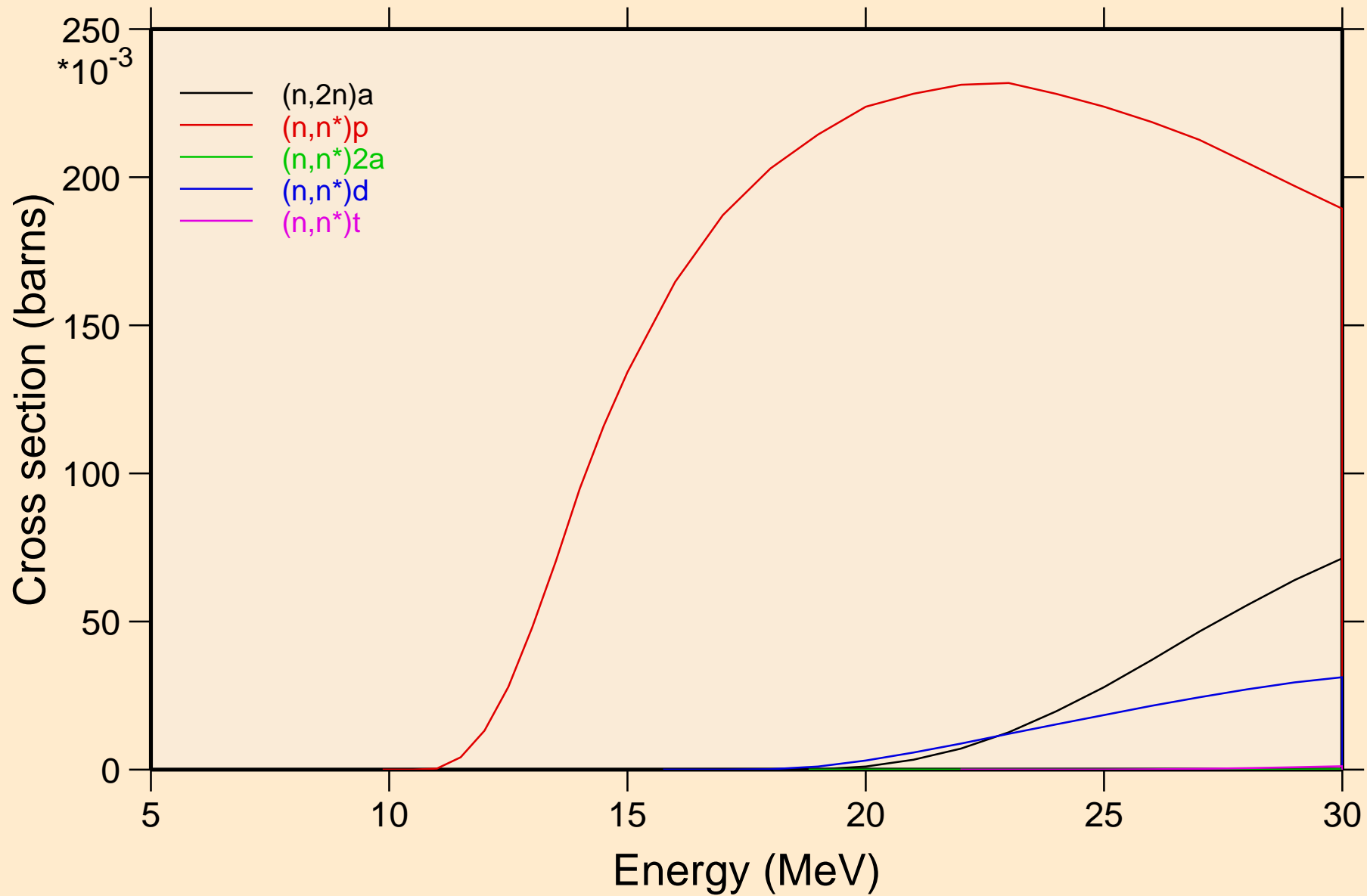


S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

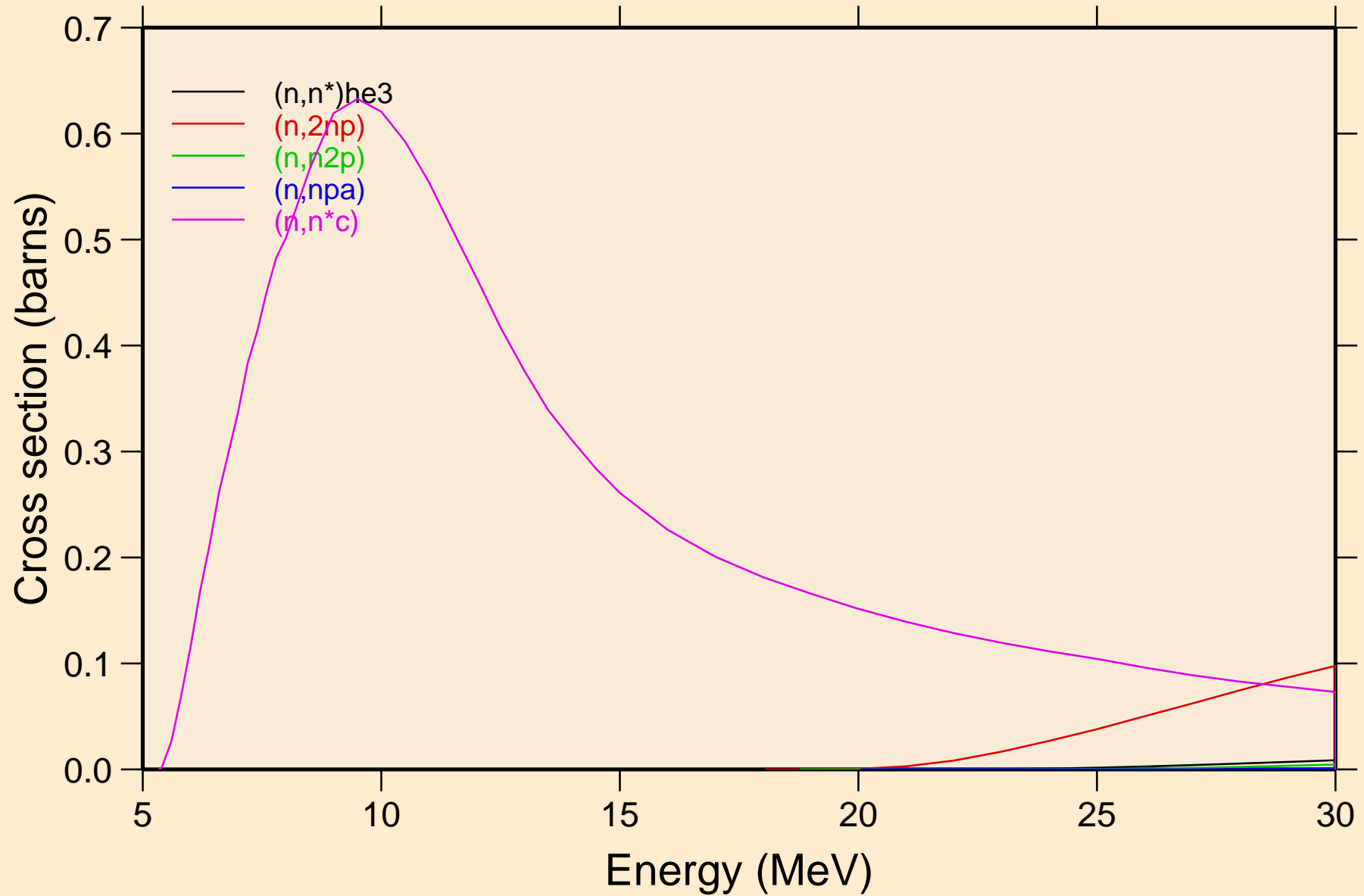


# S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

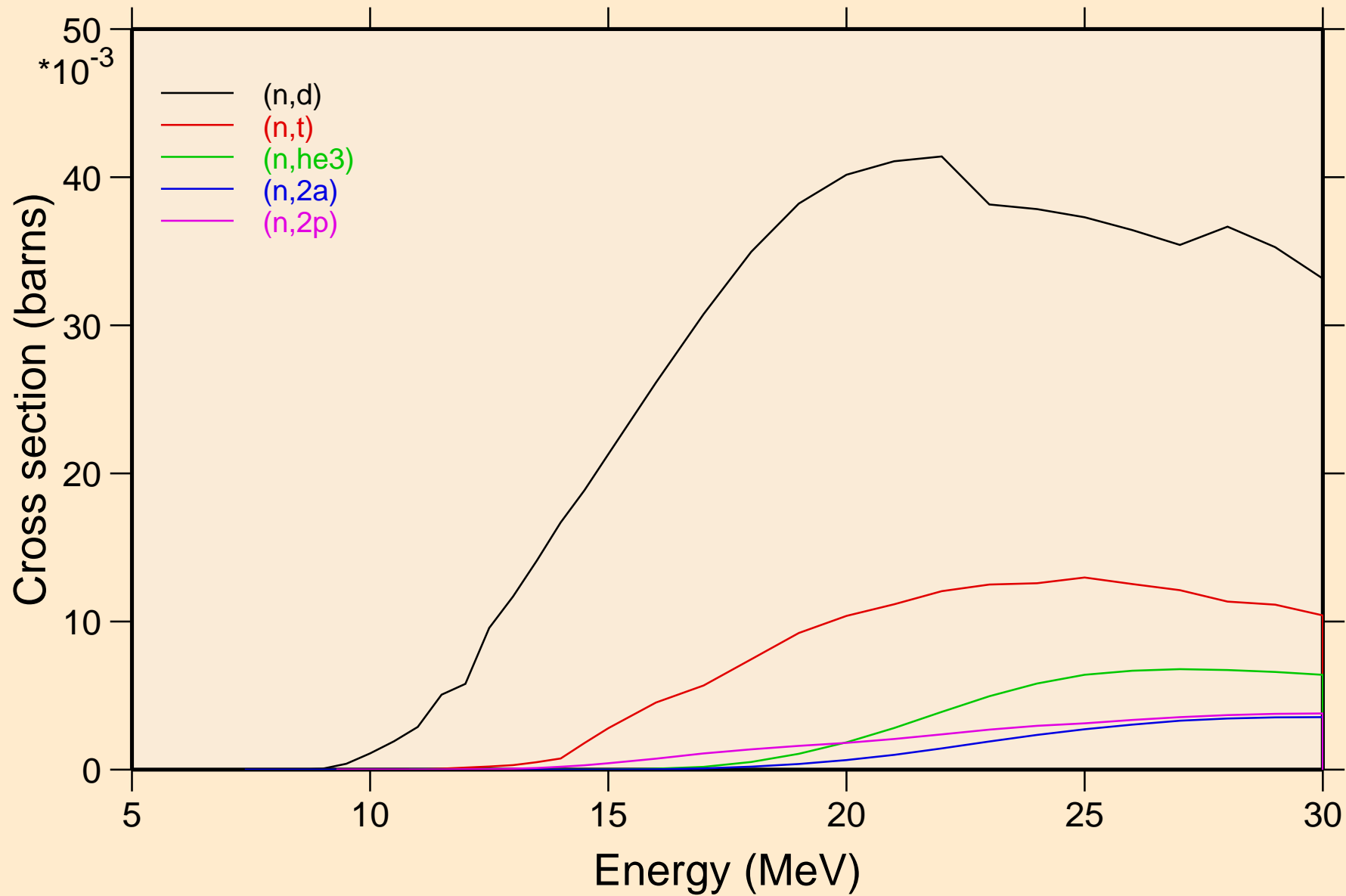


S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

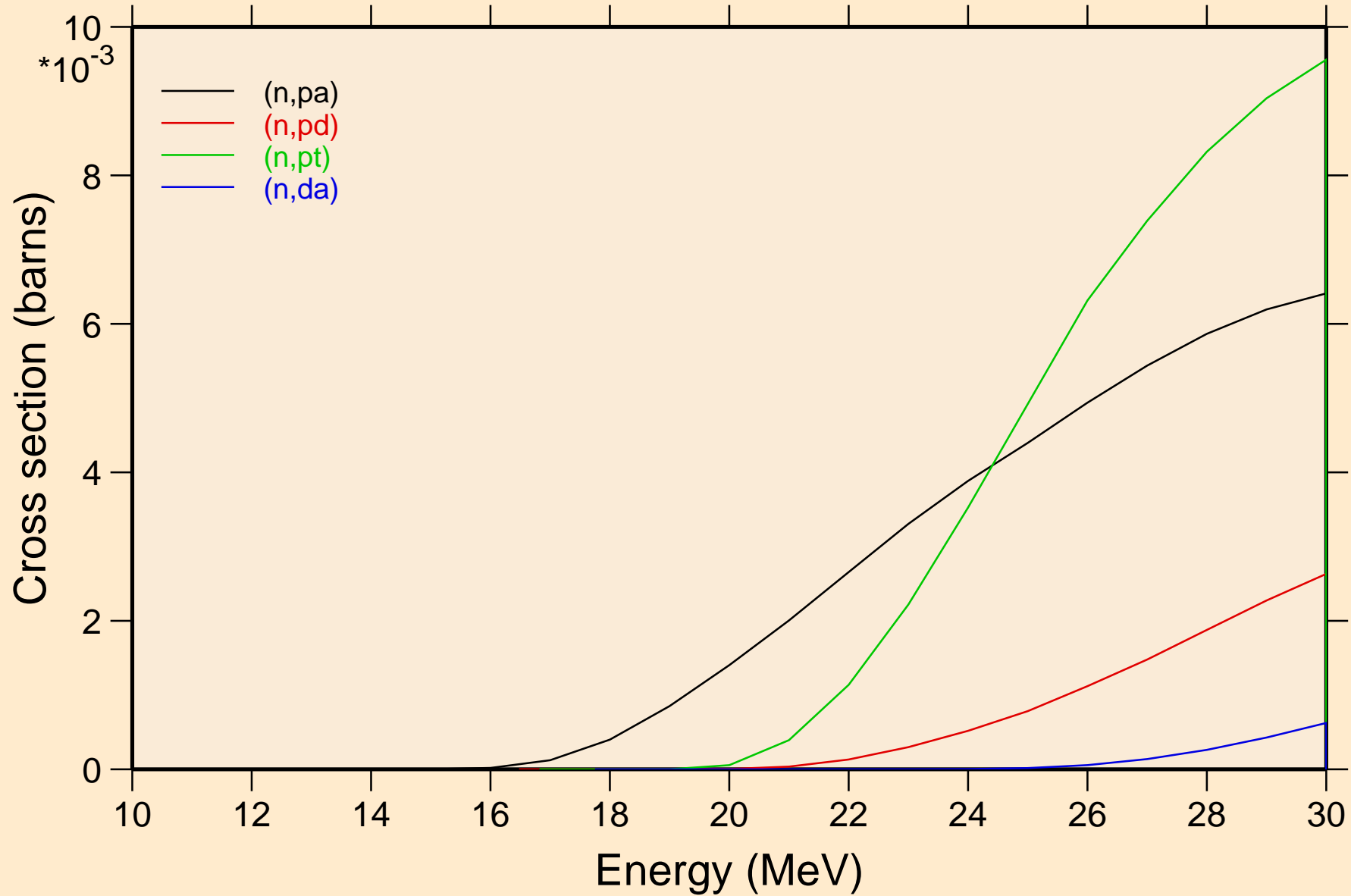


# S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



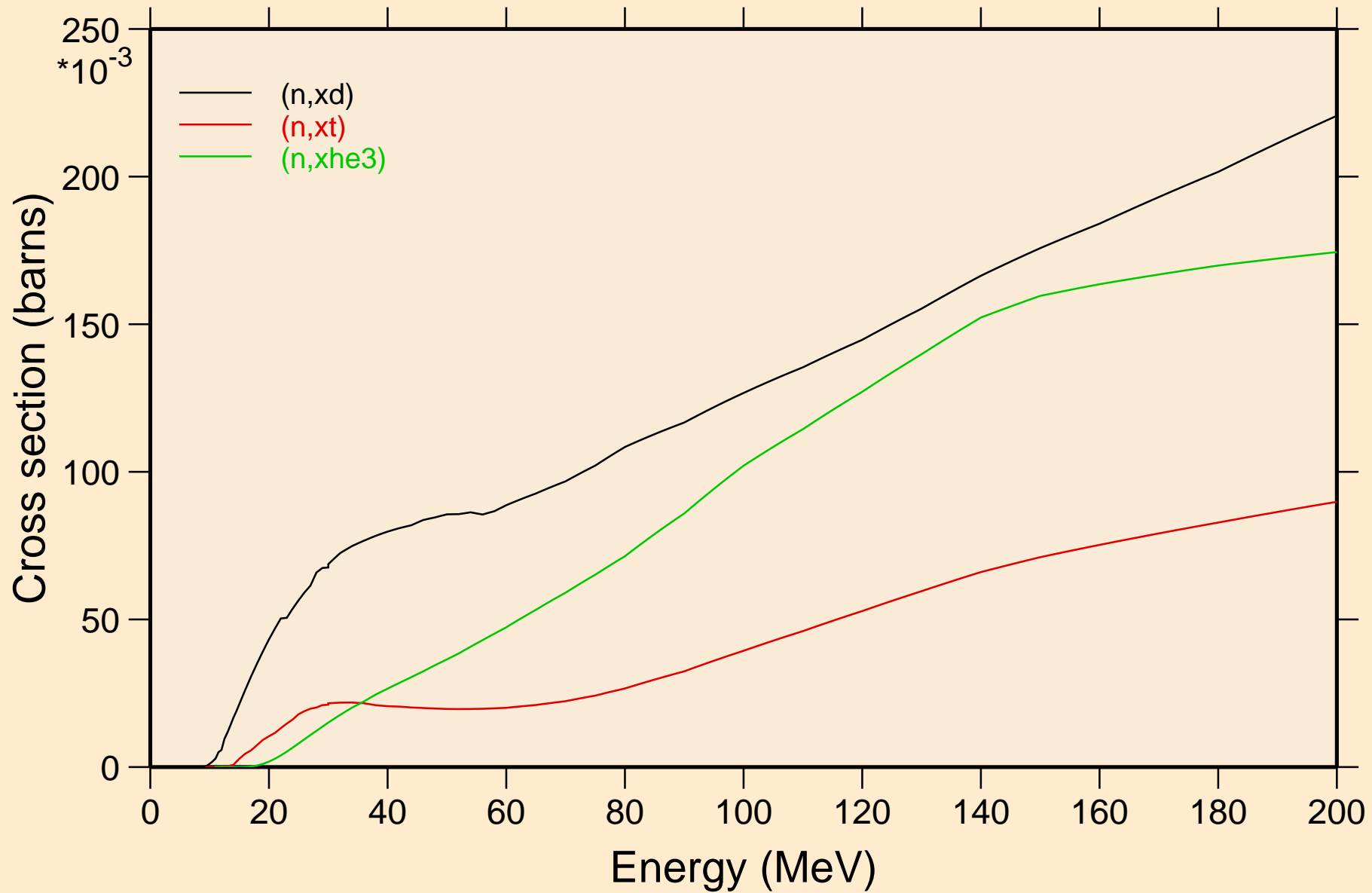
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Threshold reactions



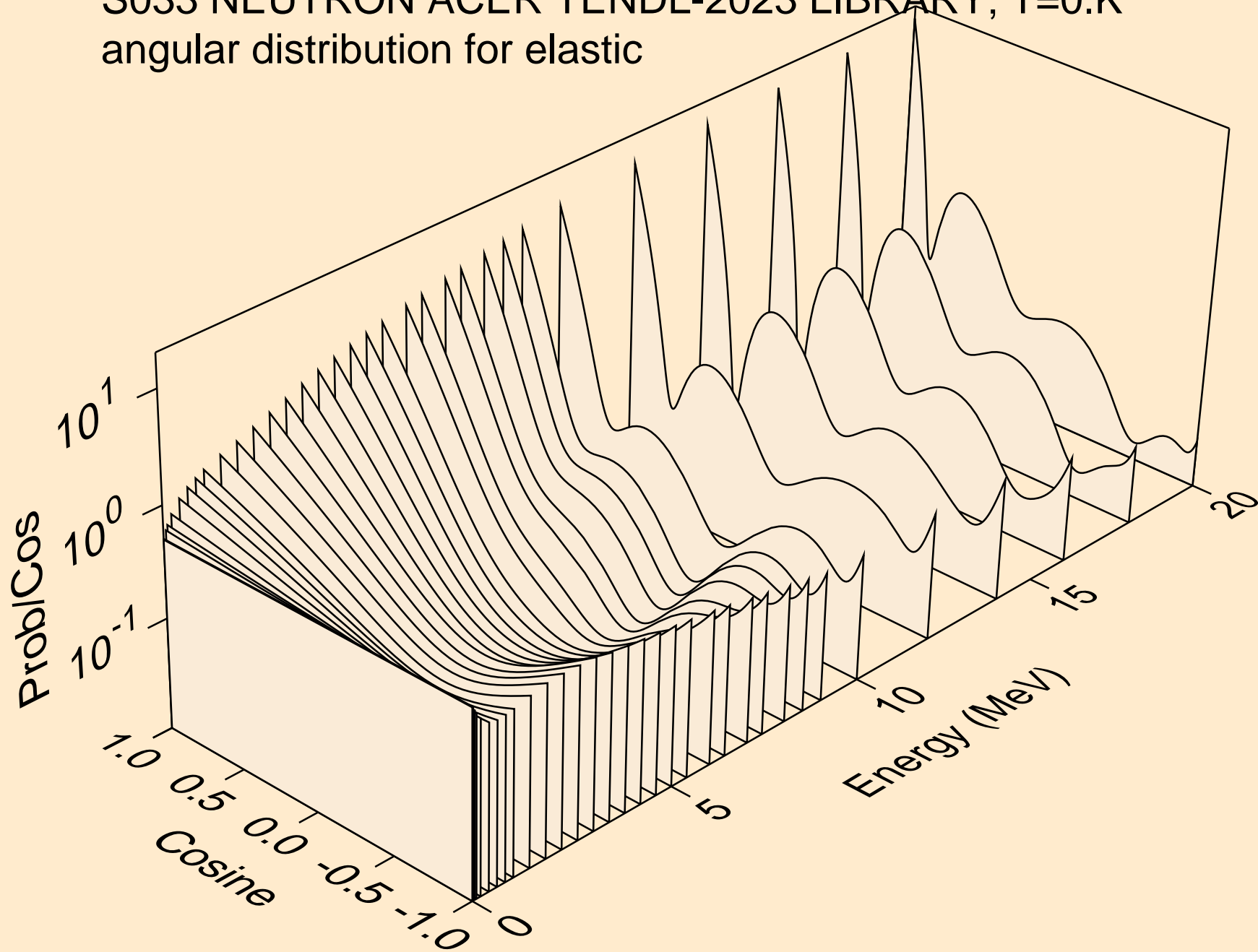


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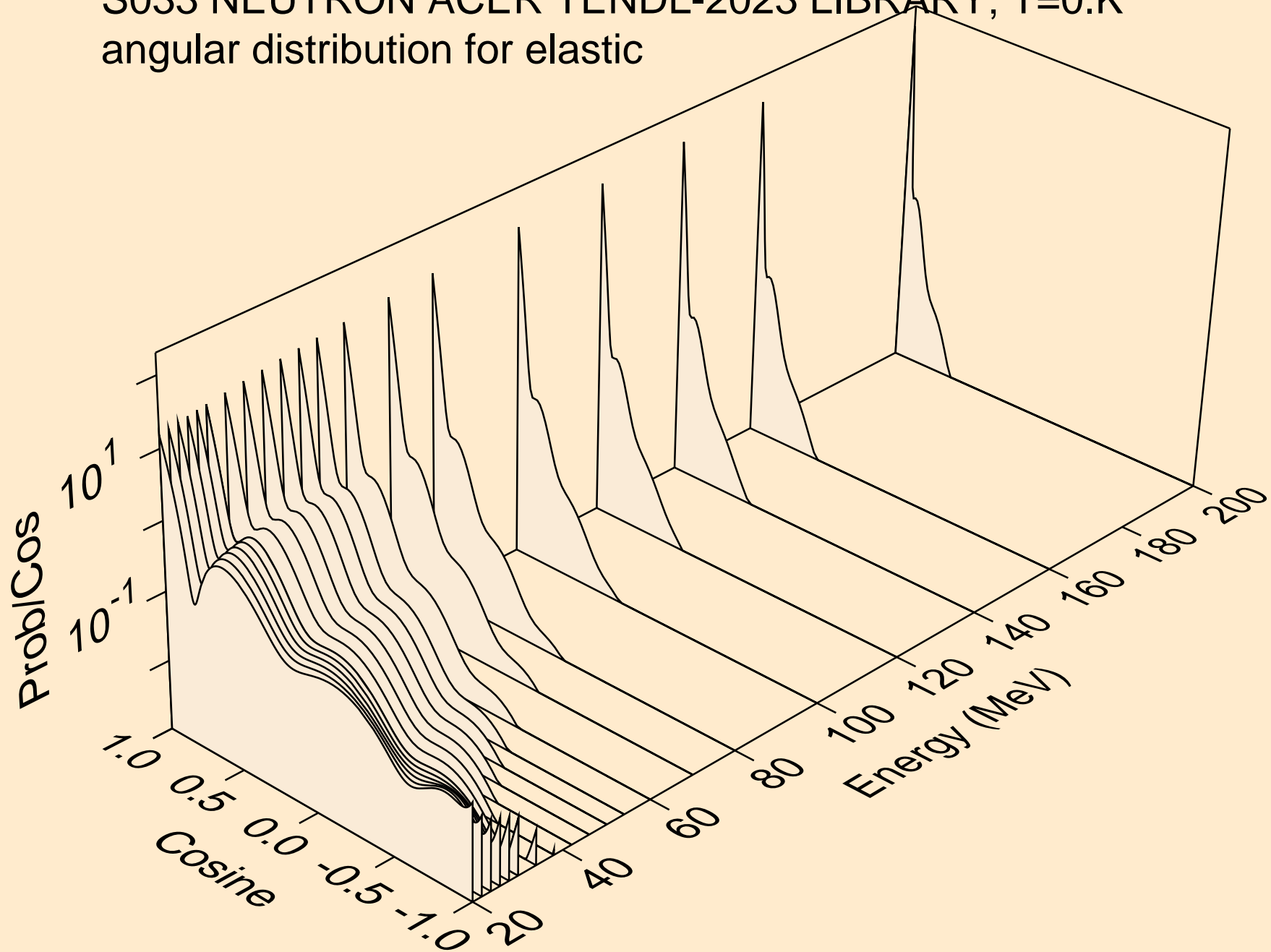
## Threshold reactions



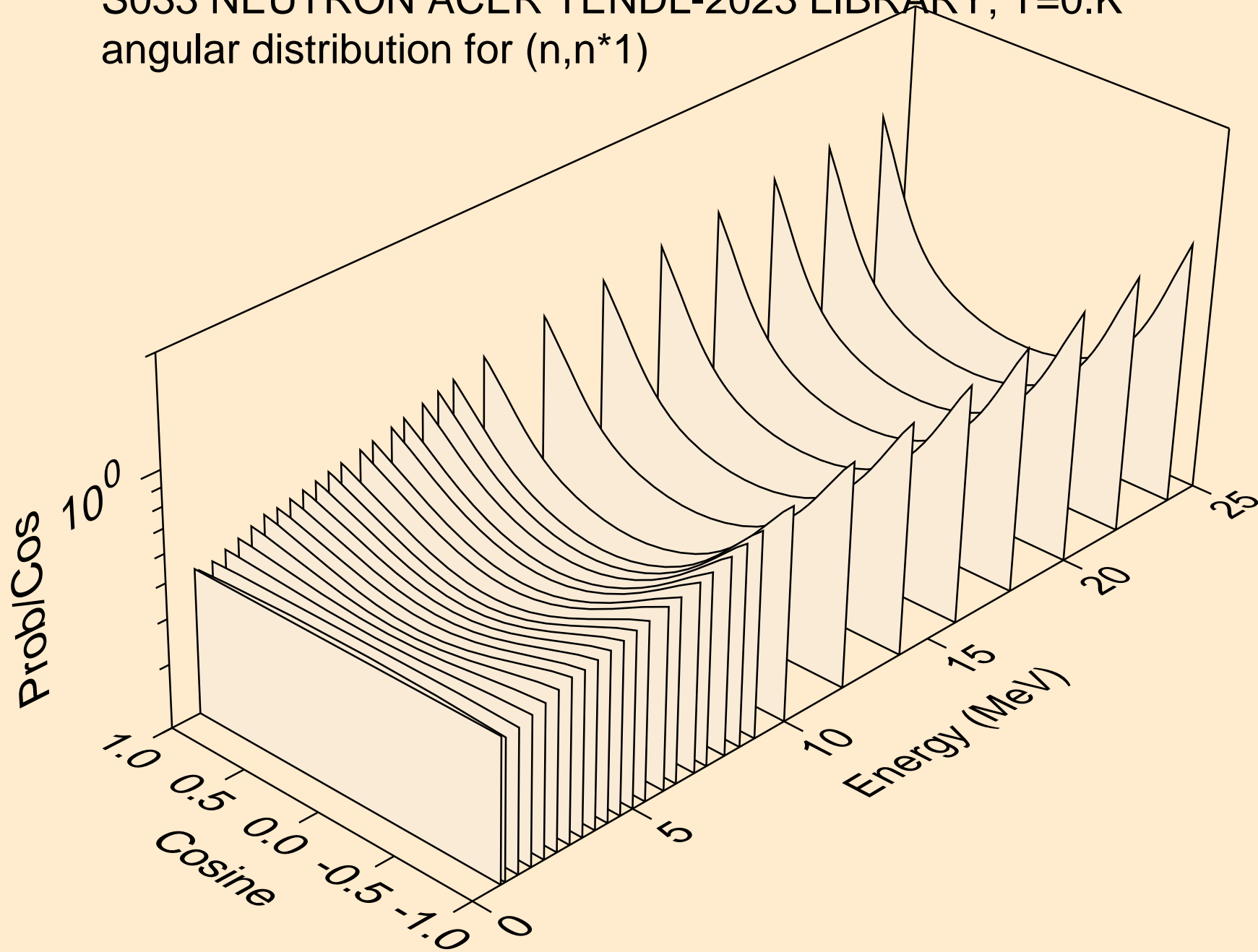
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



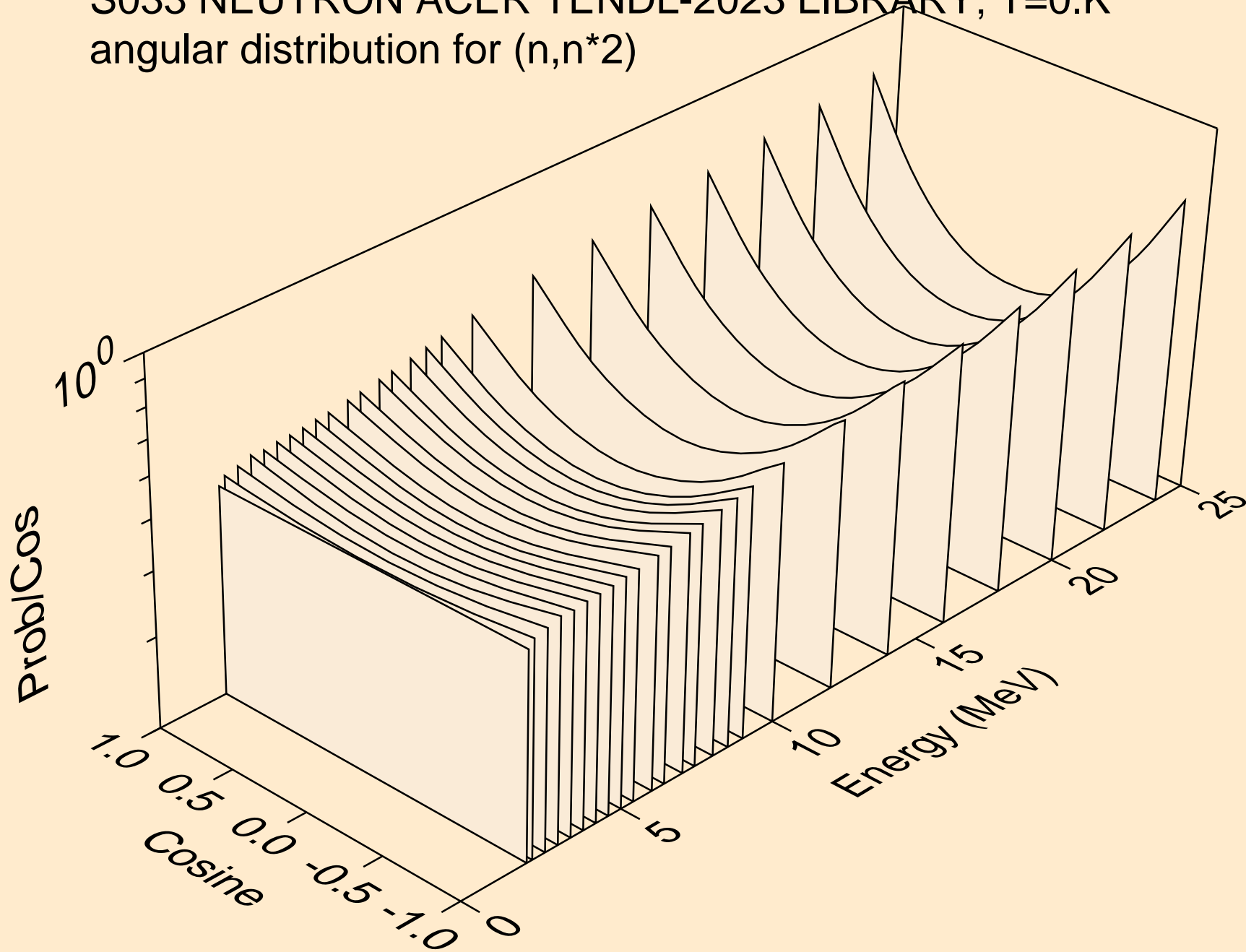
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angular distribution for elastic



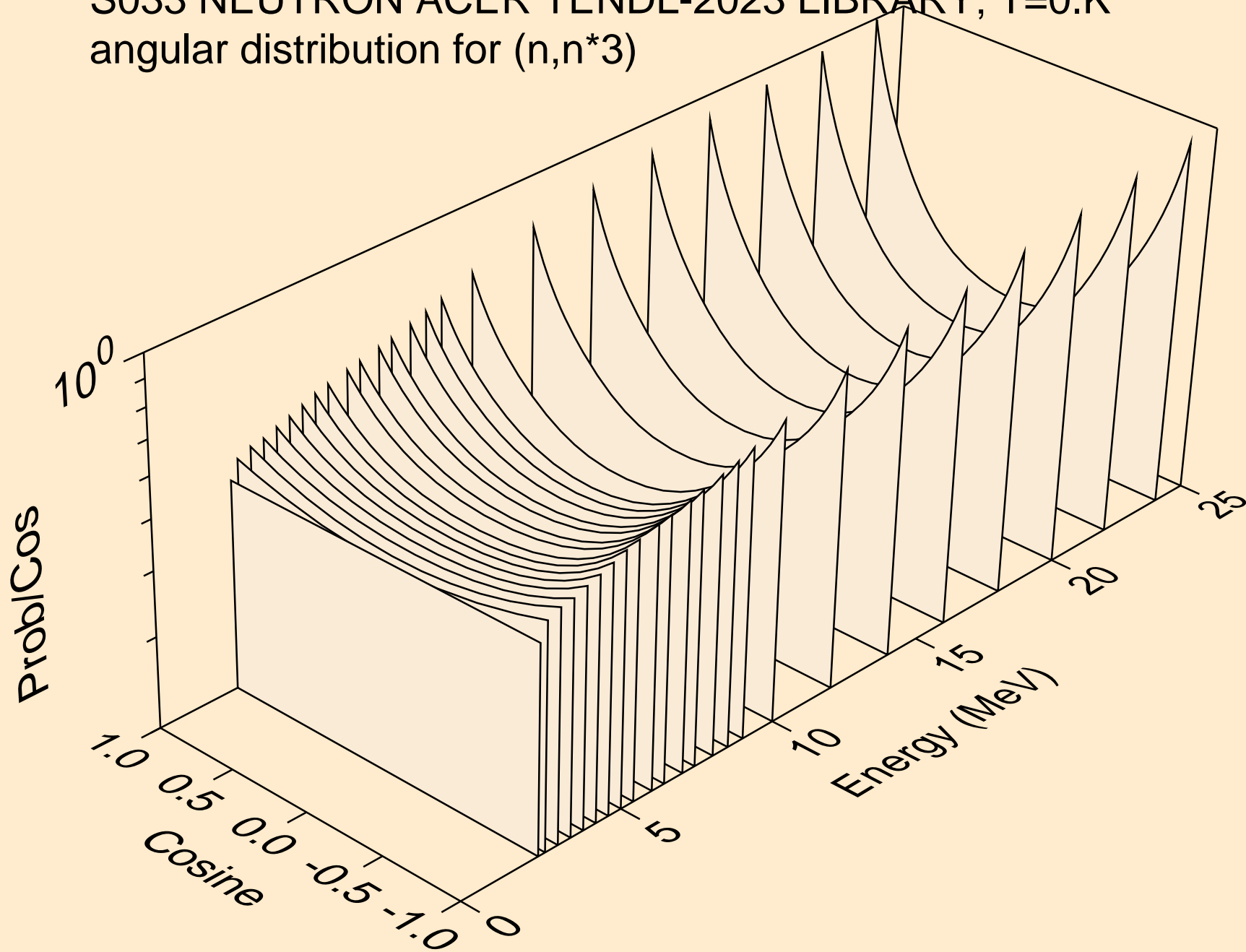
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



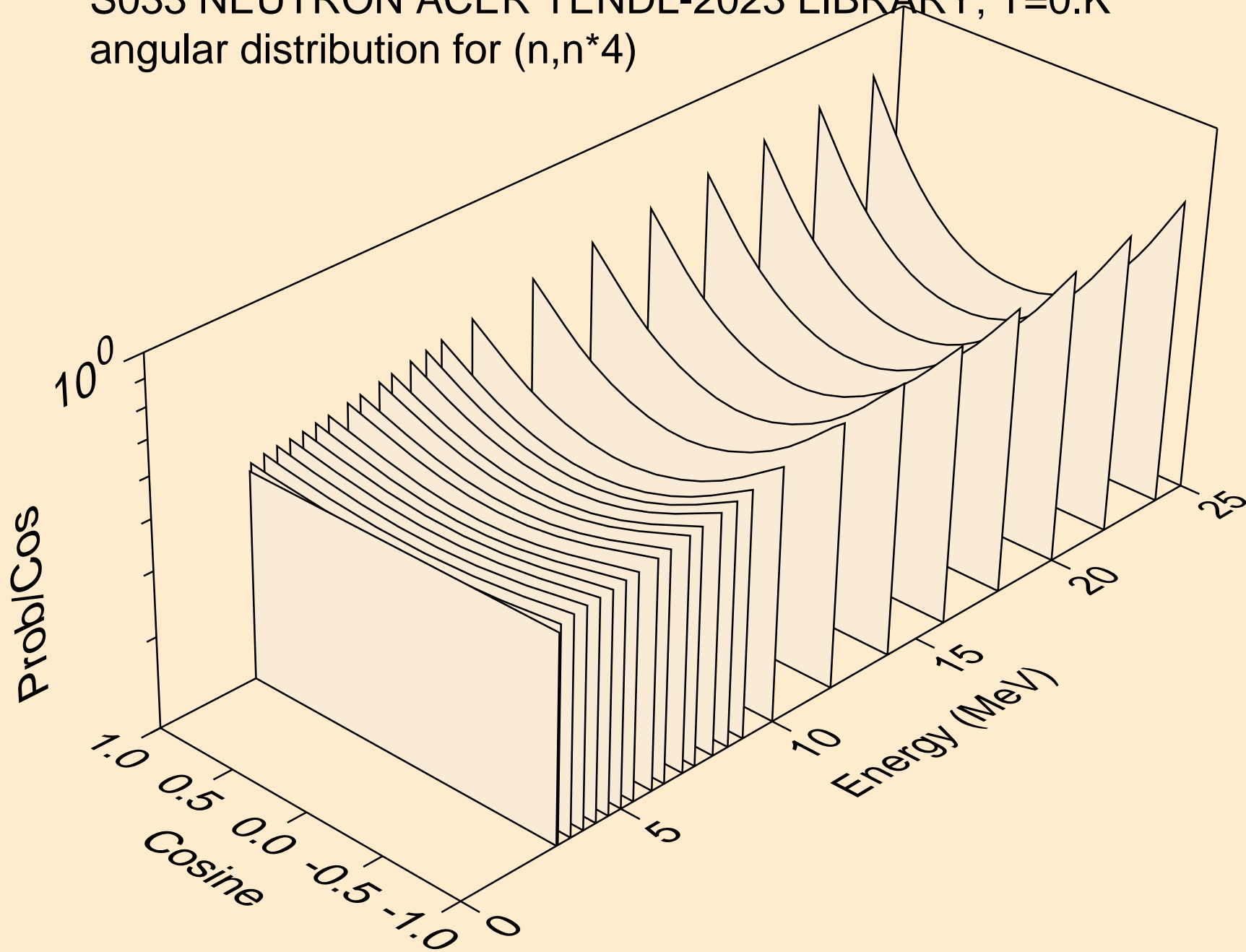
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angular distribution for (n,n\*2)



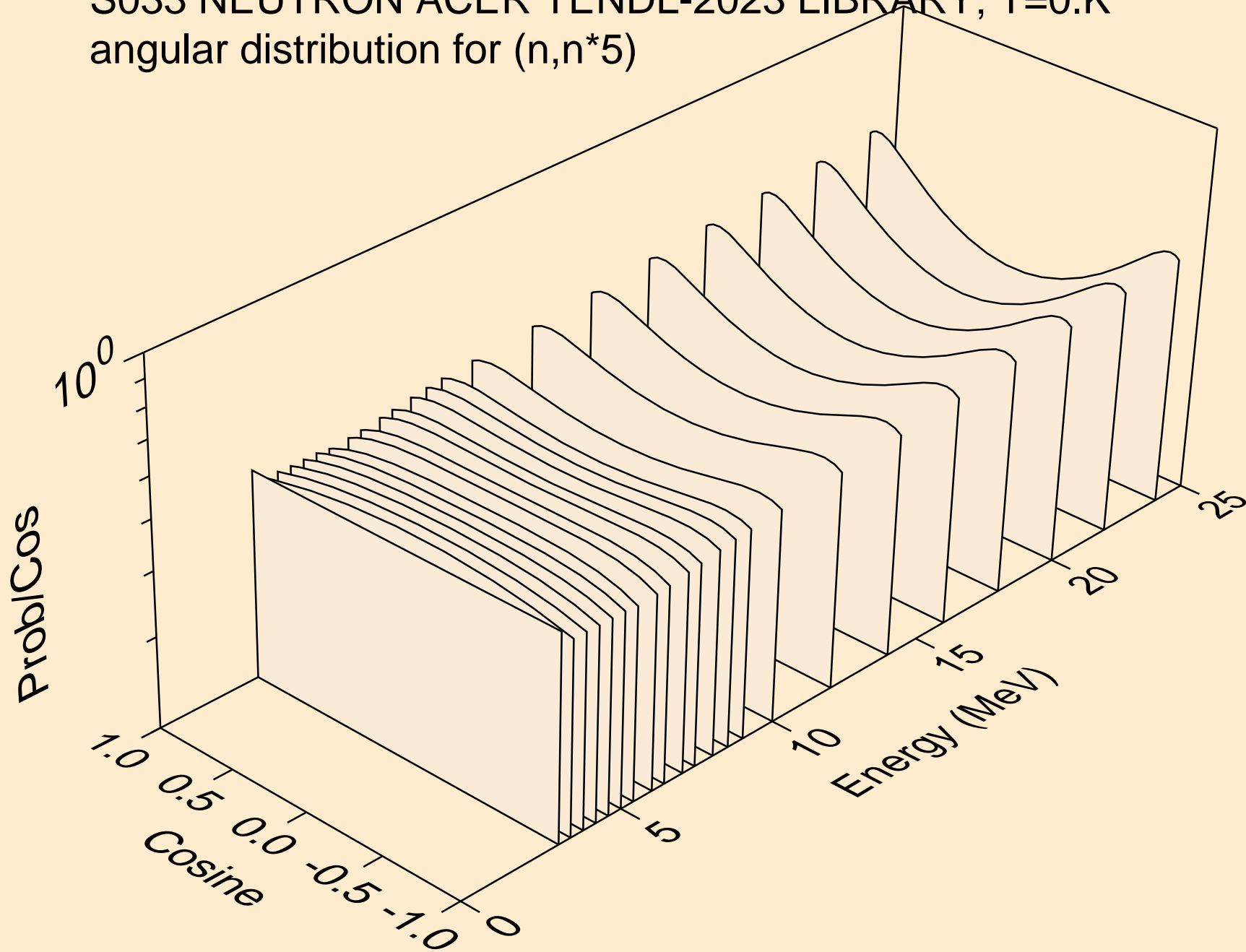
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)

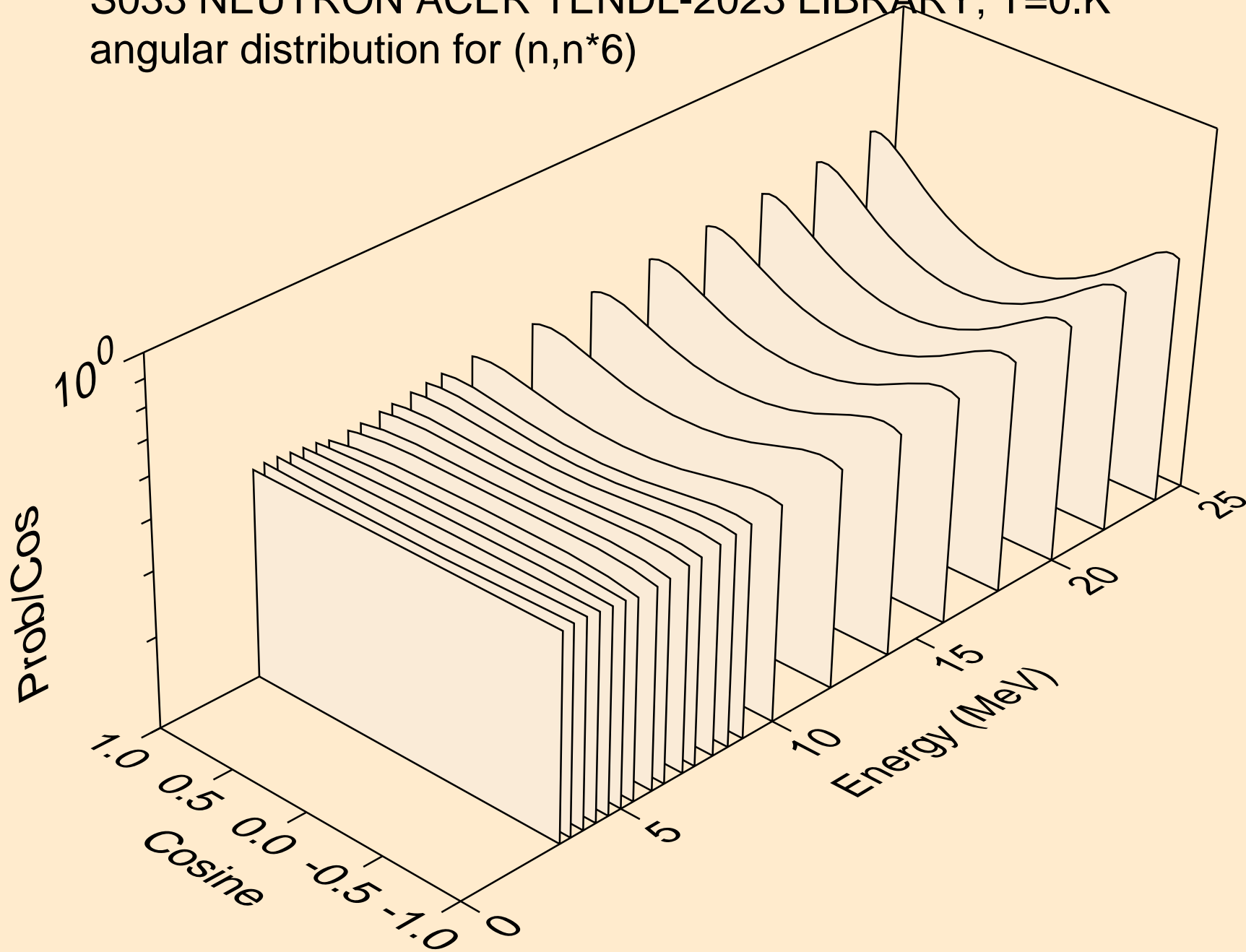


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angular distribution for (n,n\*5)

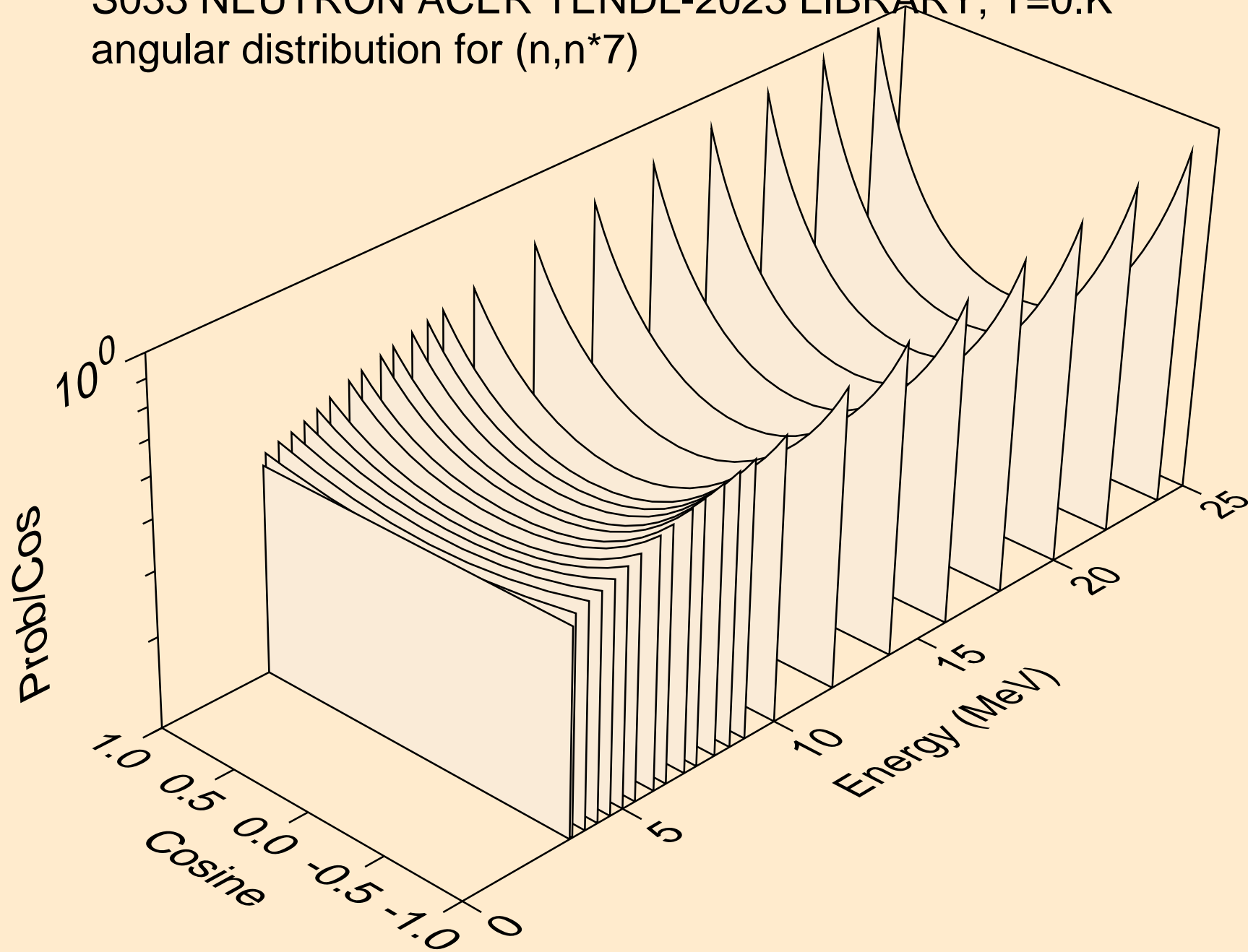




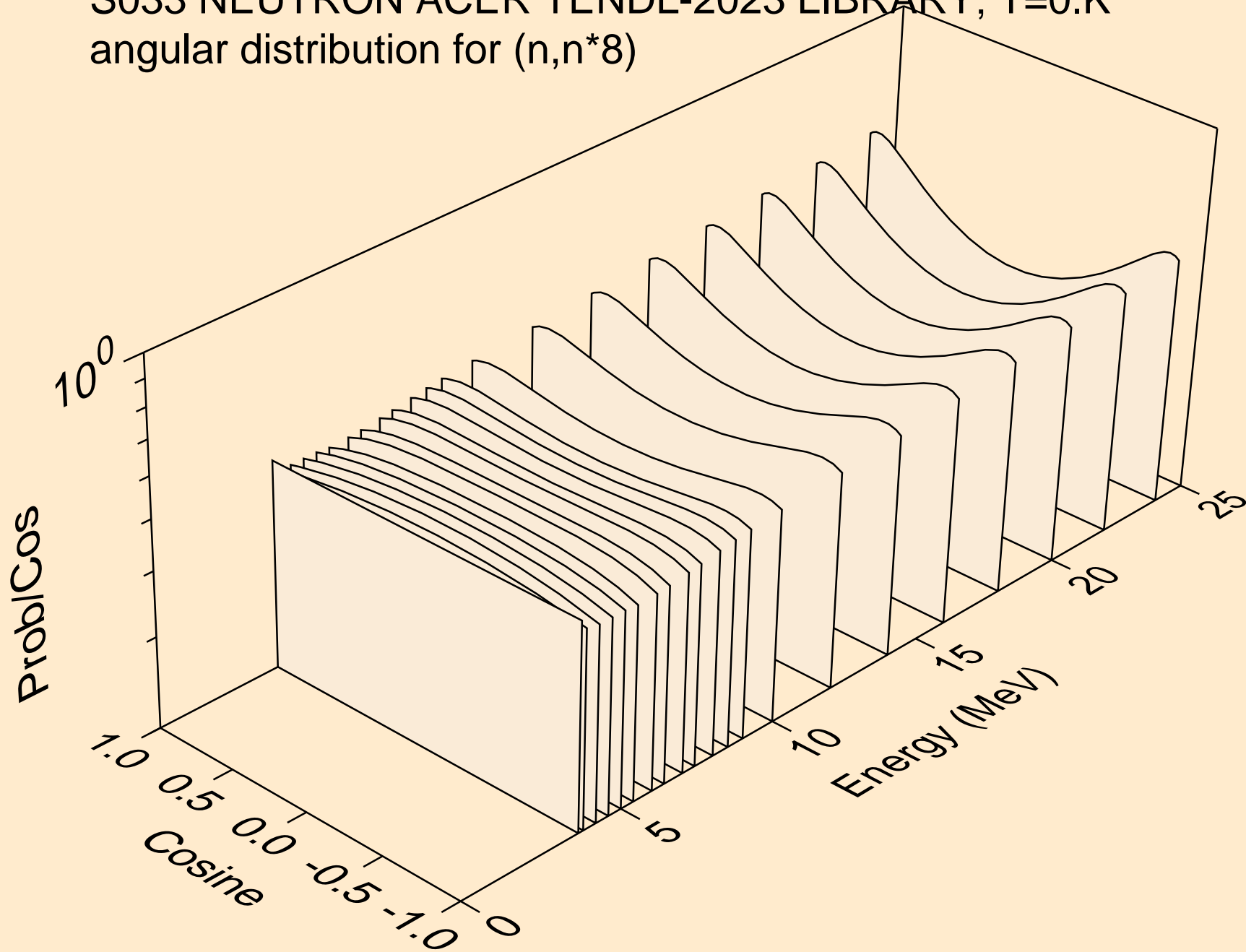
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angular distribution for (n,n\*6)



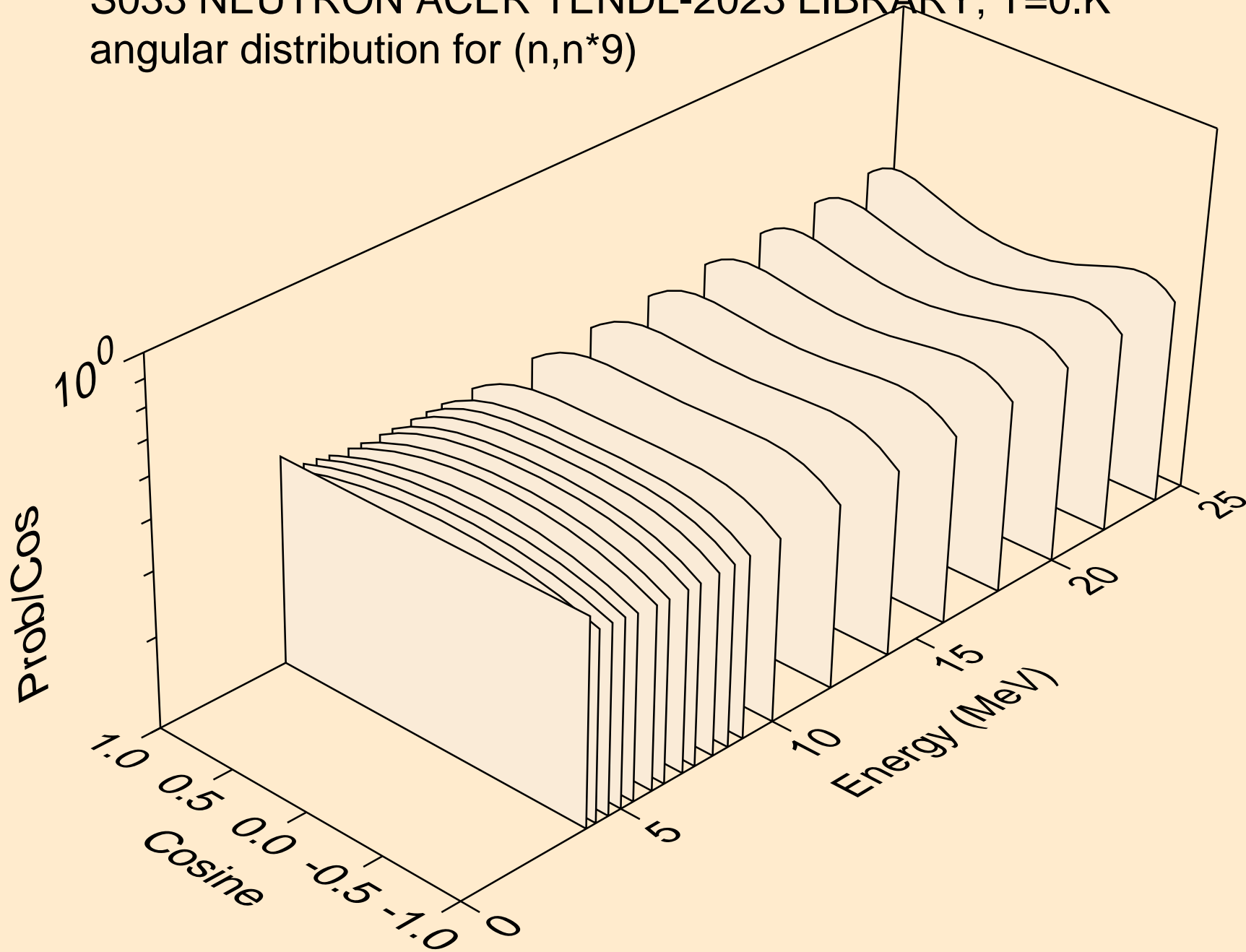
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angular distribution for (n,n\*7)



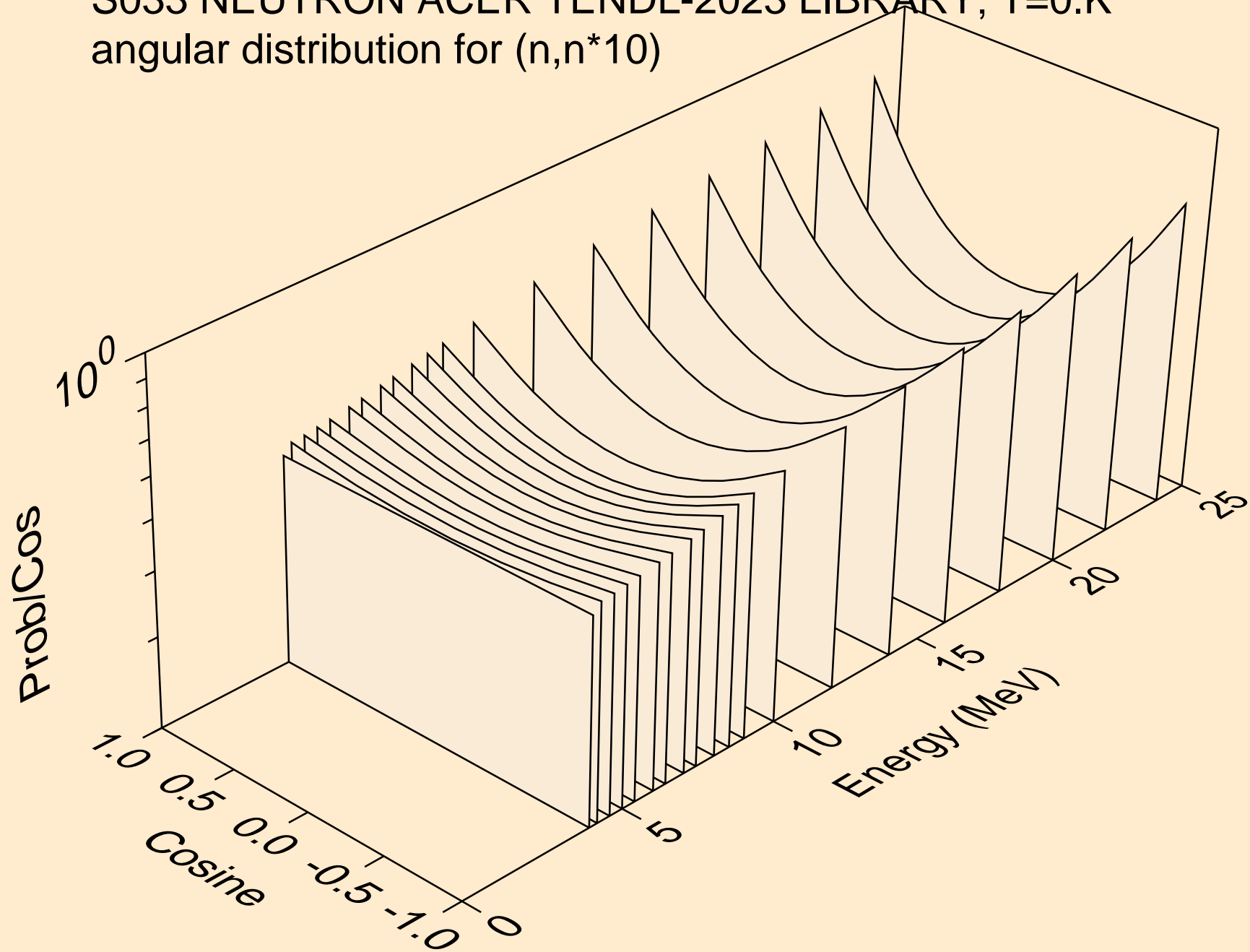
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angular distribution for (n,n\*8)



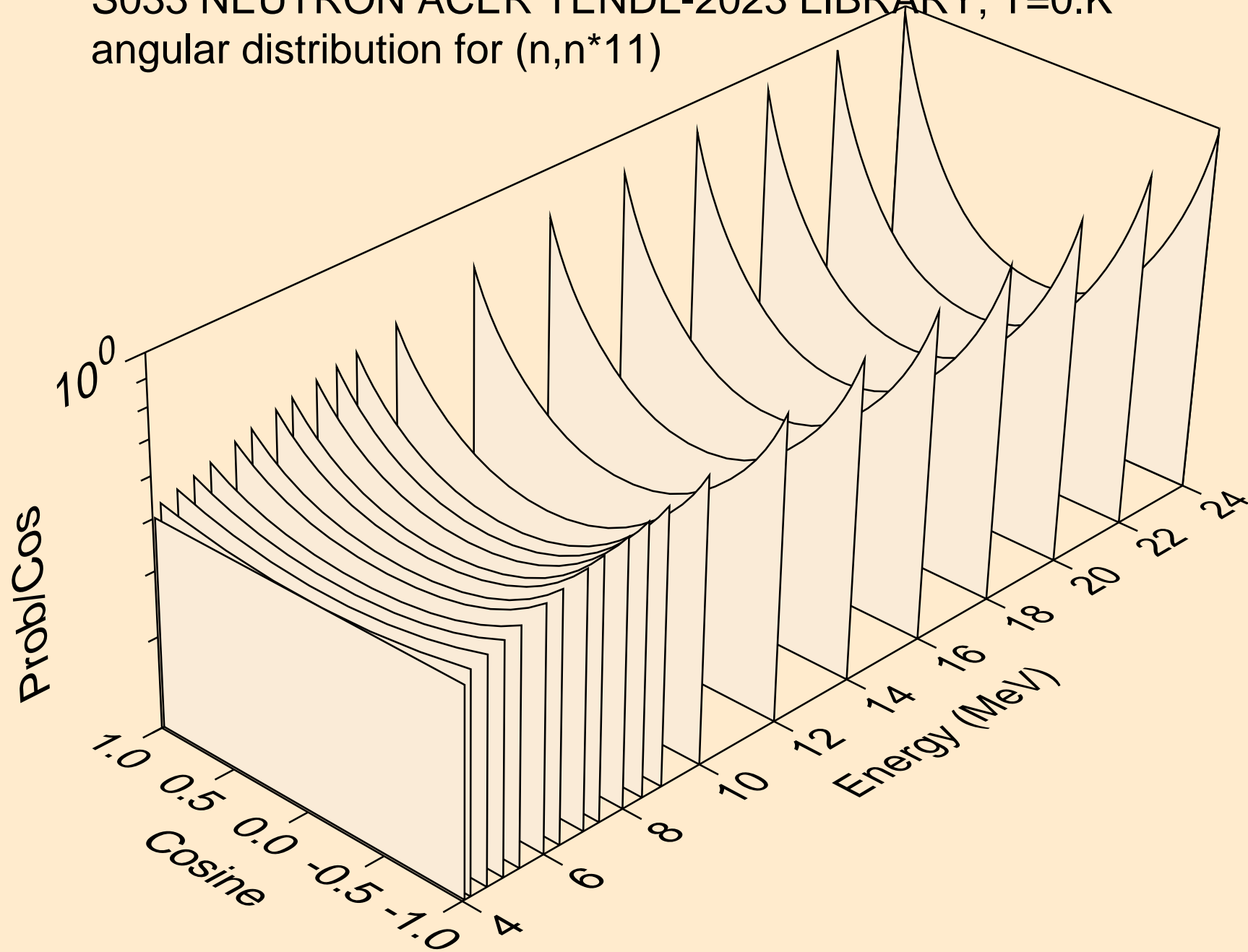
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angular distribution for (n,n\*9)



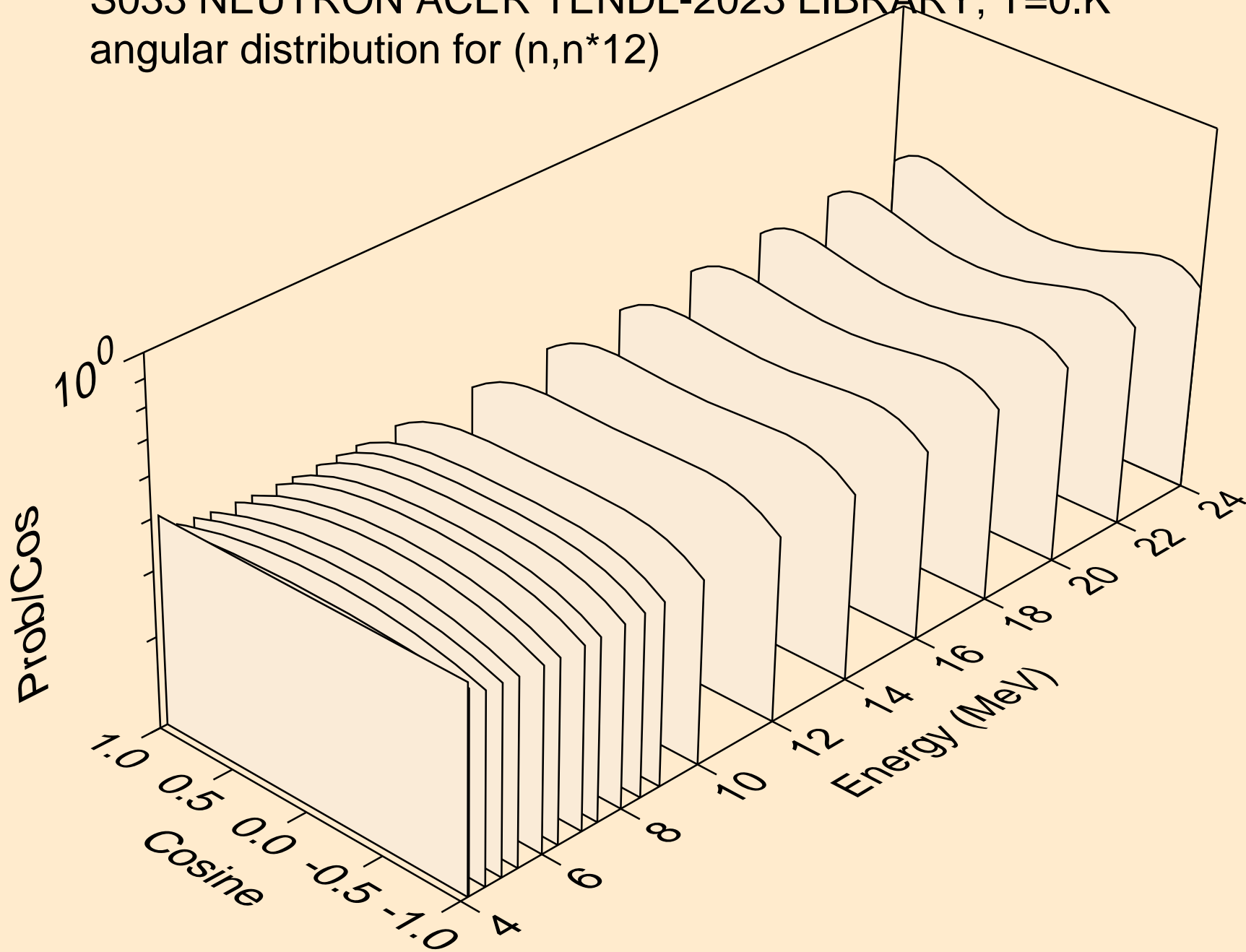
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angular distribution for (n,n\*10)



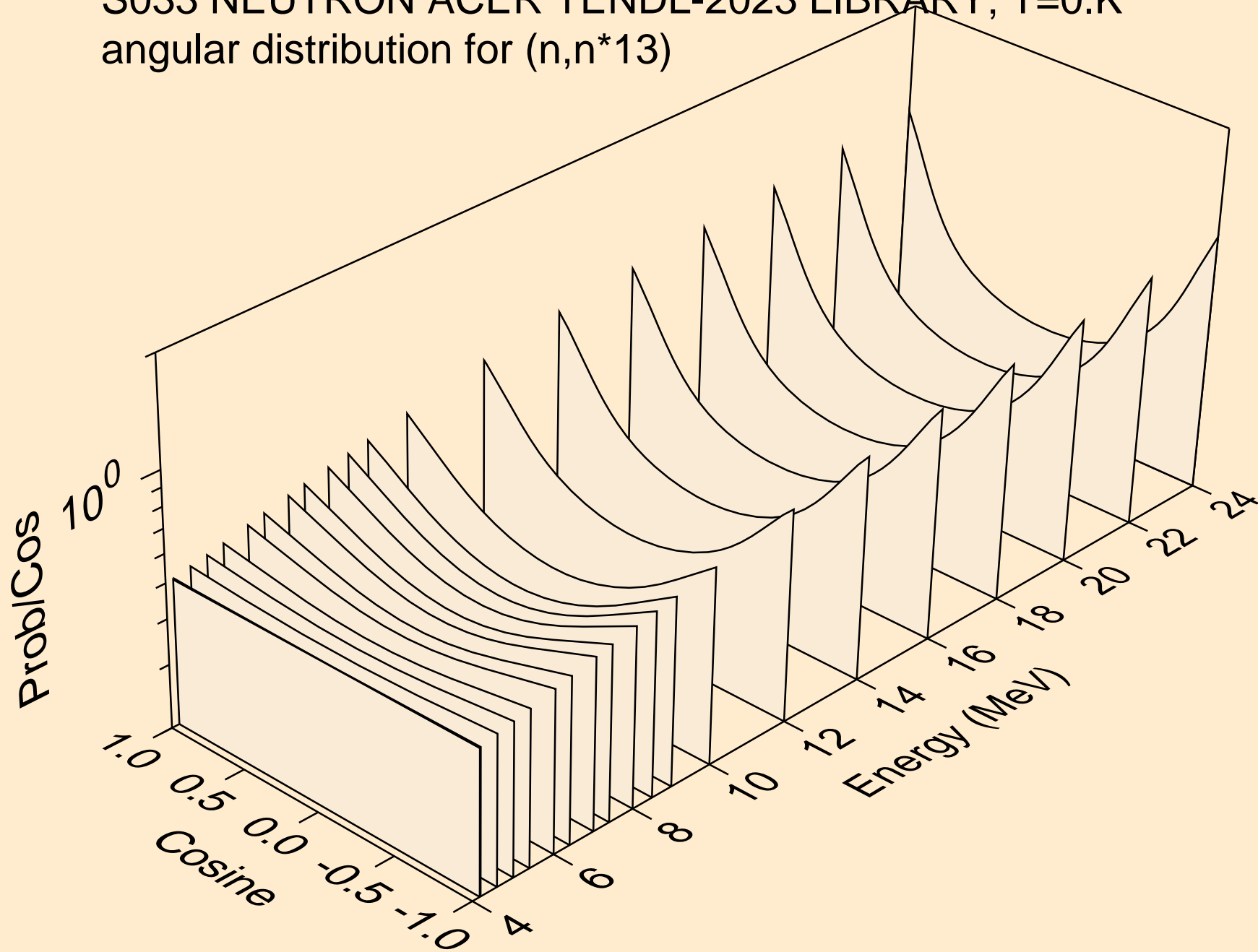
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)

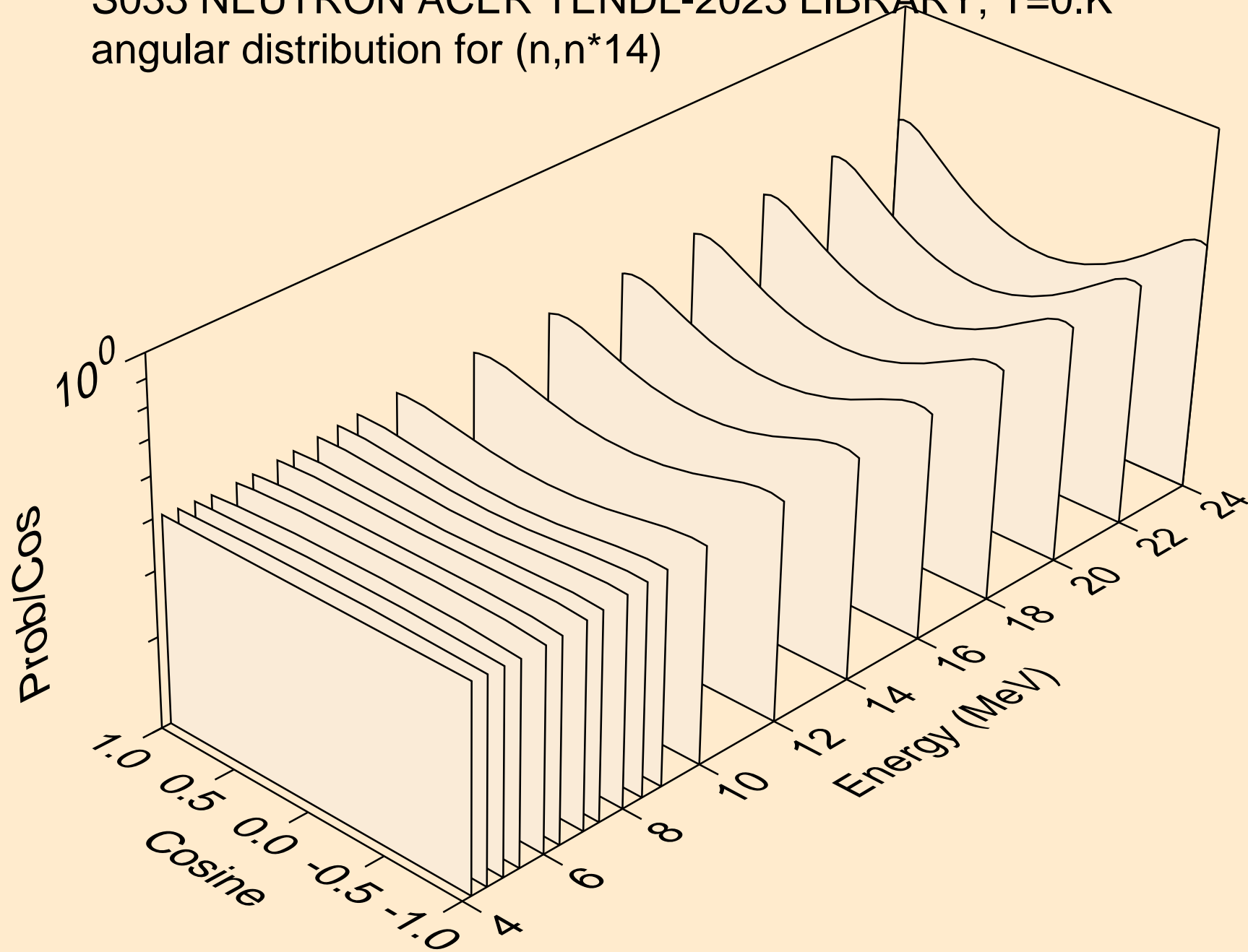


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angular distribution for (n,n\*13)

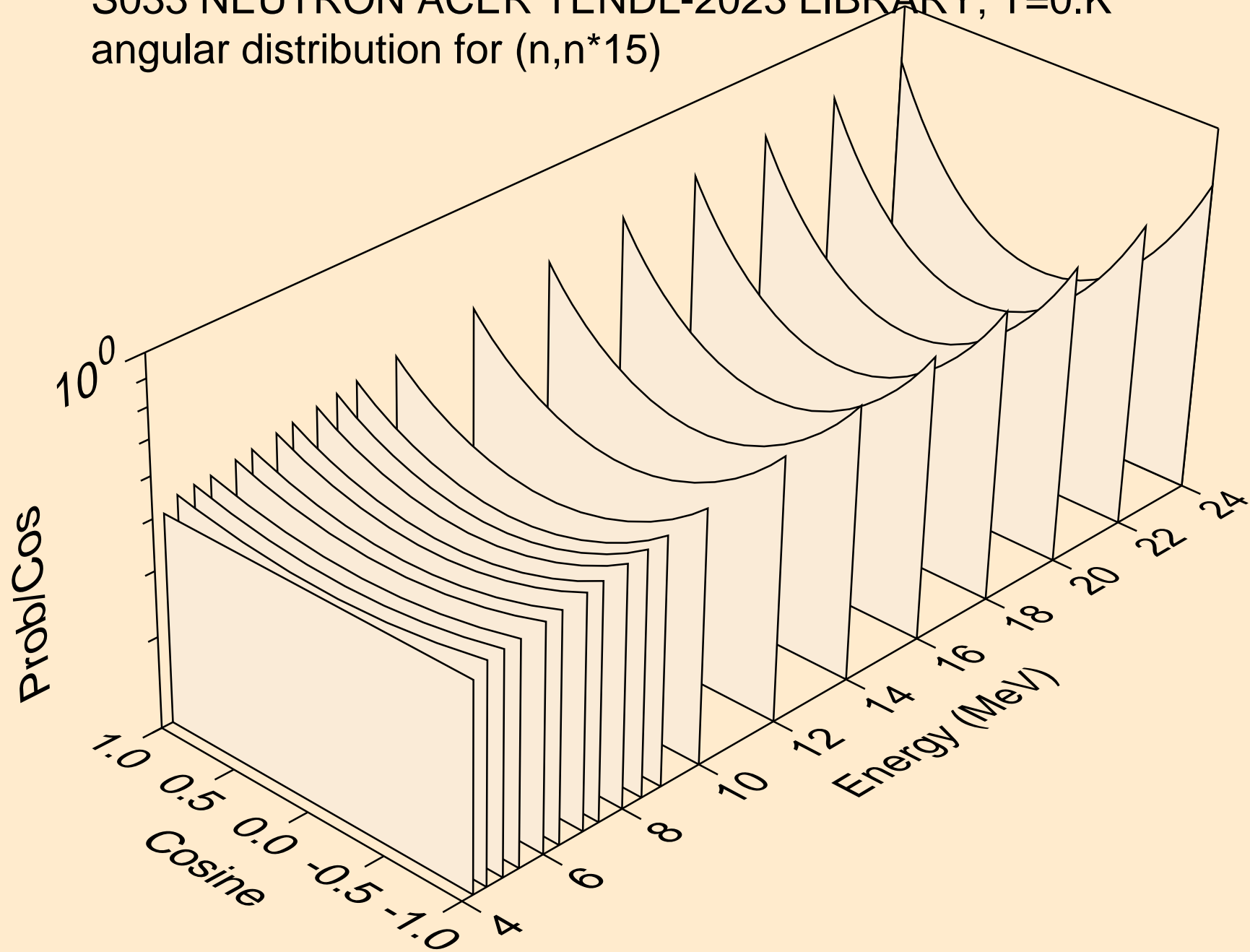




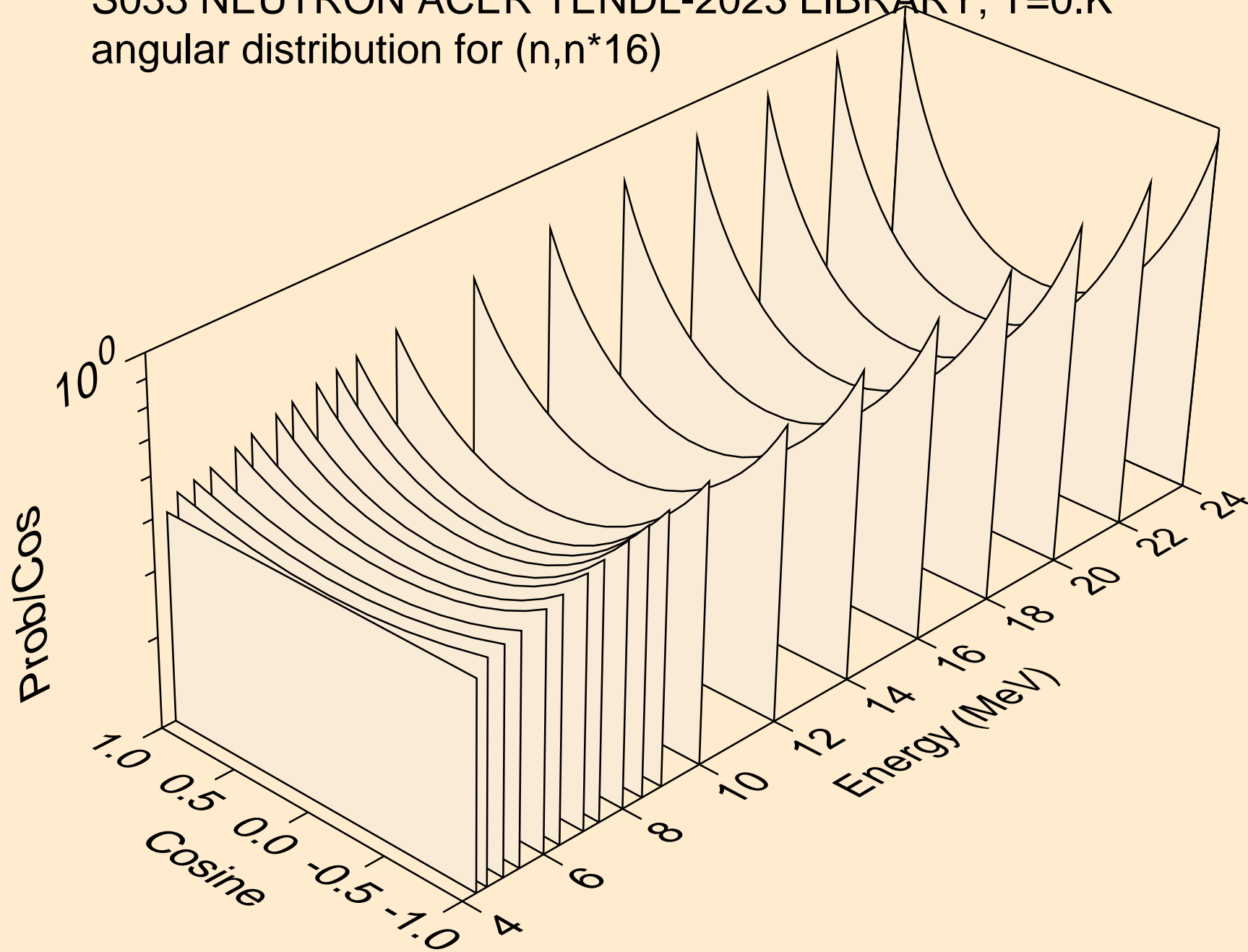
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angular distribution for (n,n\*14)



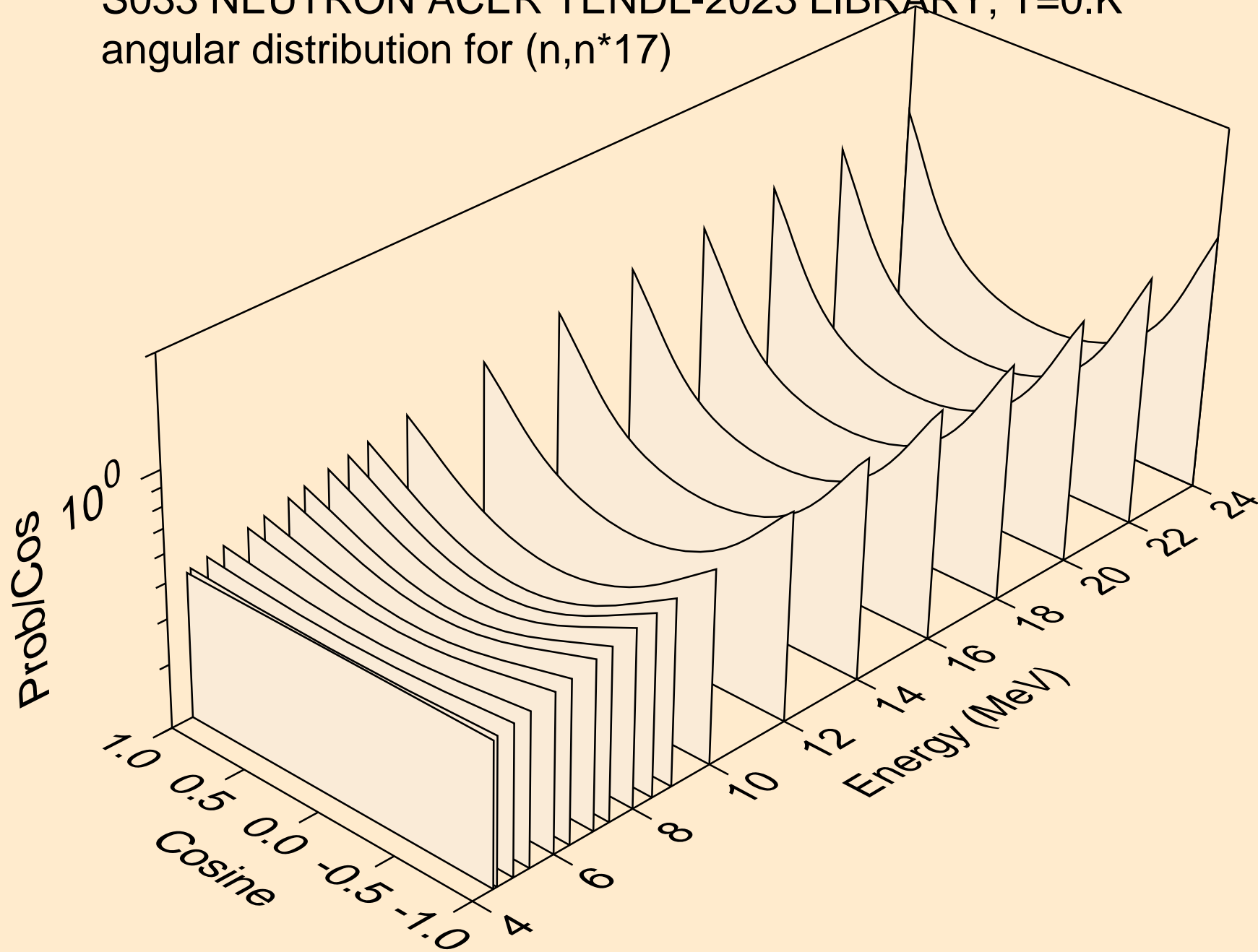
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angular distribution for (n,n\*15)



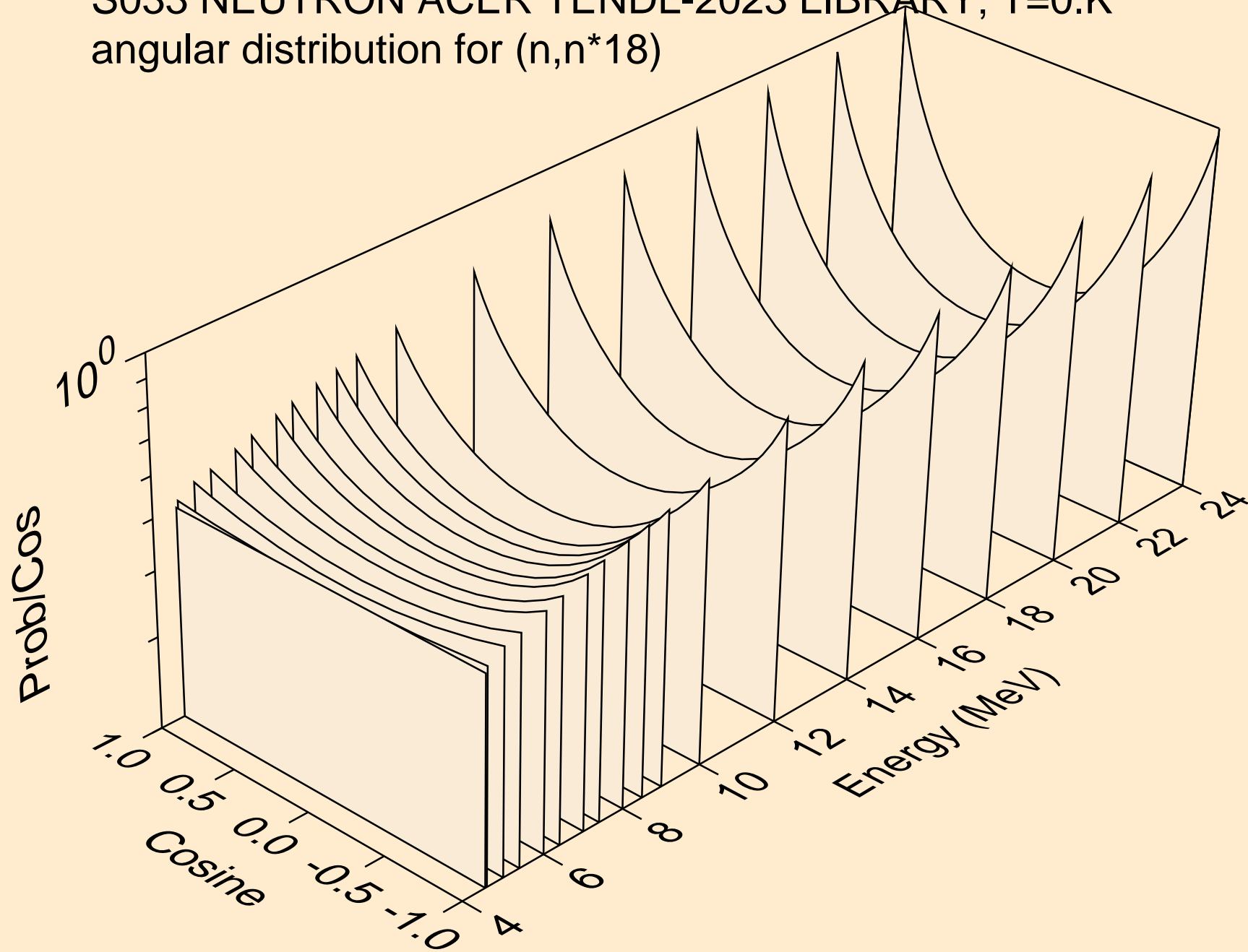
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angular distribution for (n,n\*16)



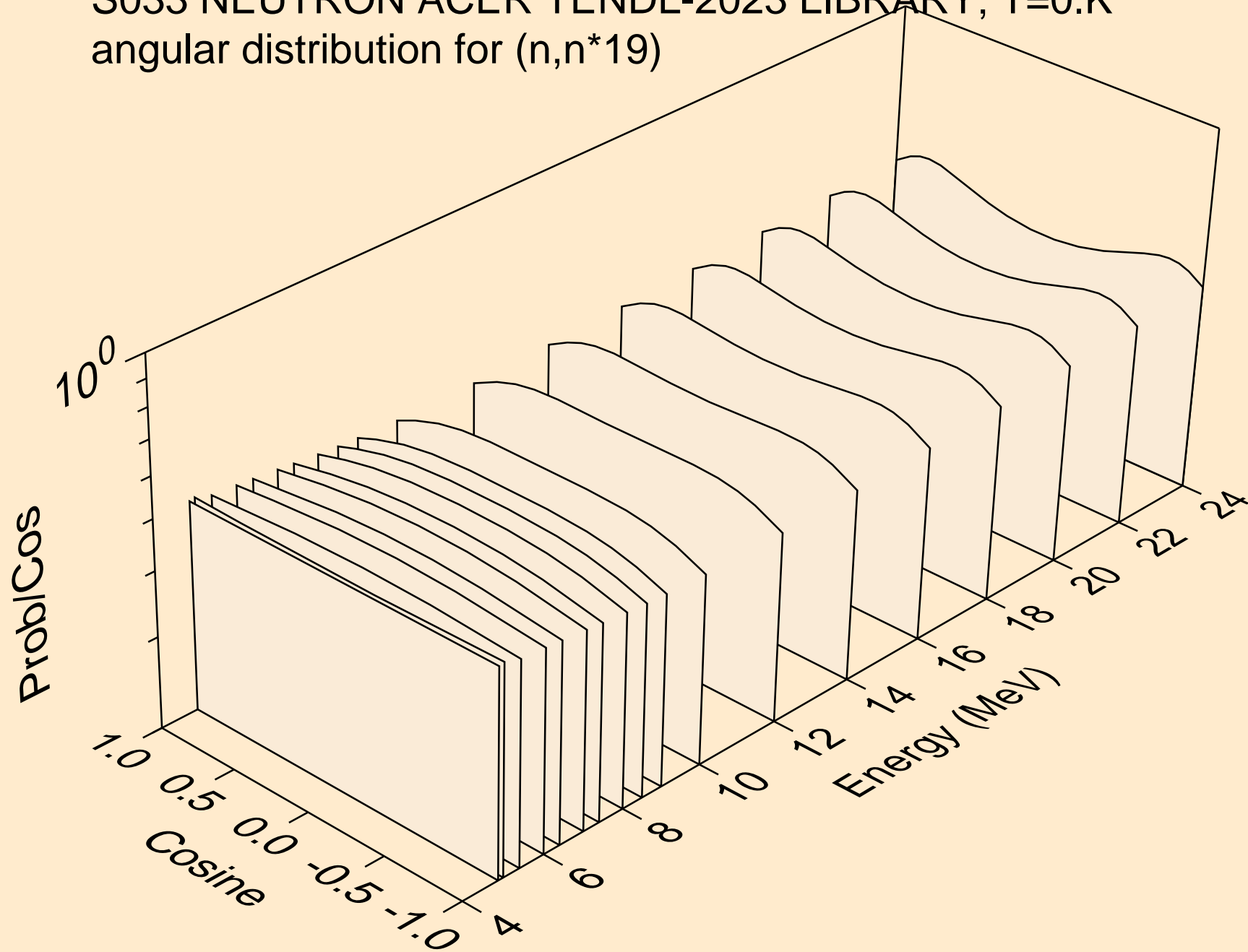
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angular distribution for (n,n\*17)



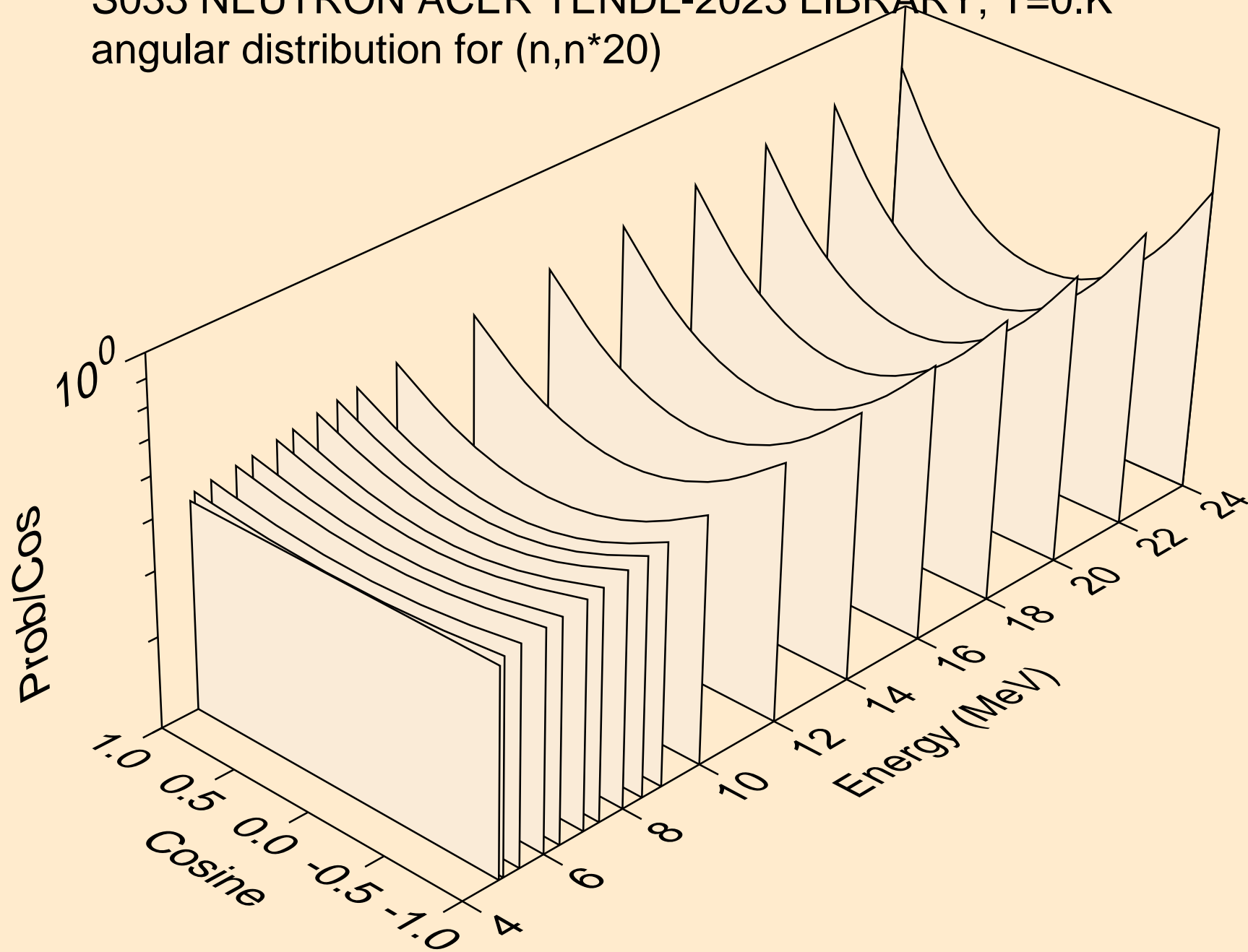
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angular distribution for (n,n\*18)



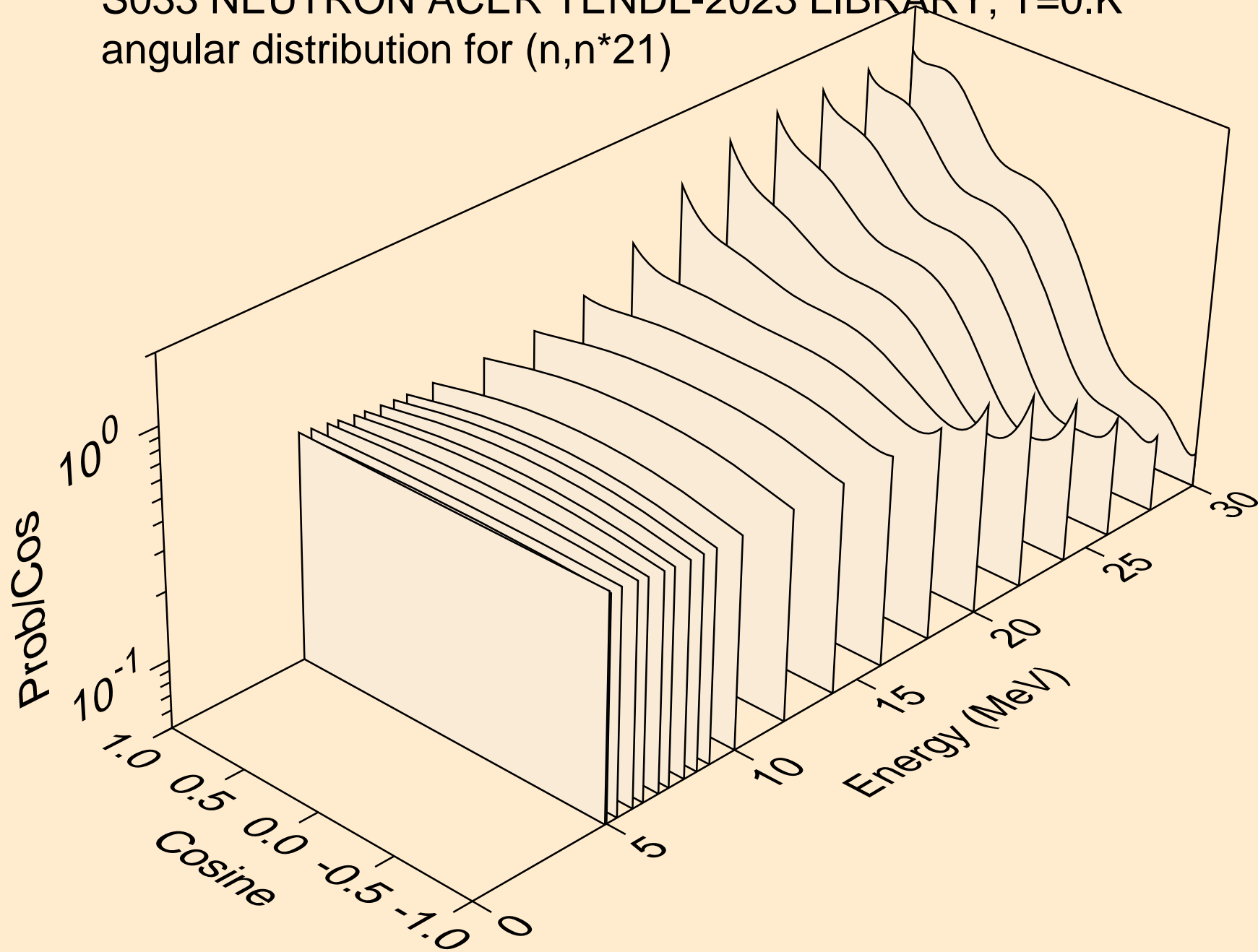
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*20)

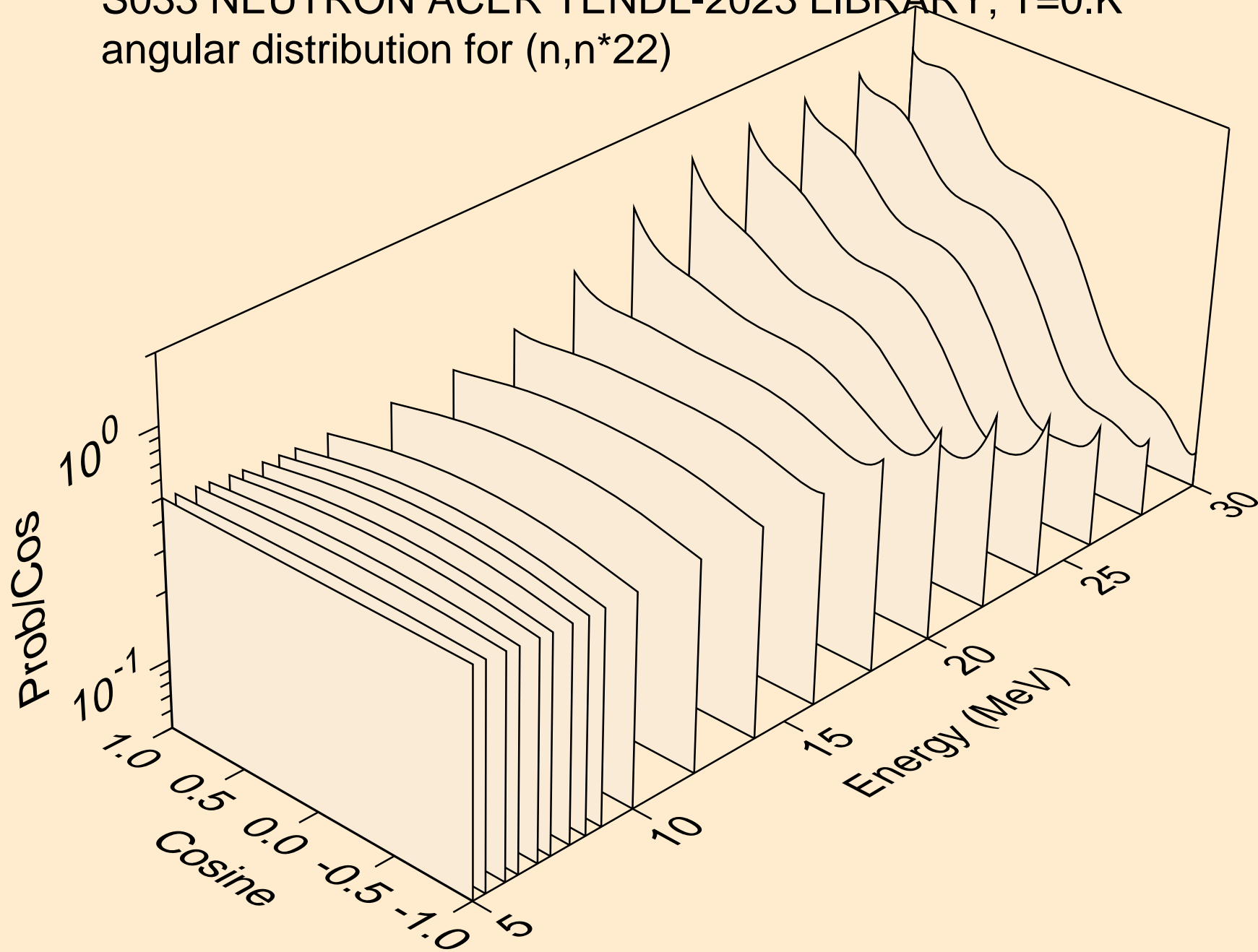


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angular distribution for (n,n\*21)

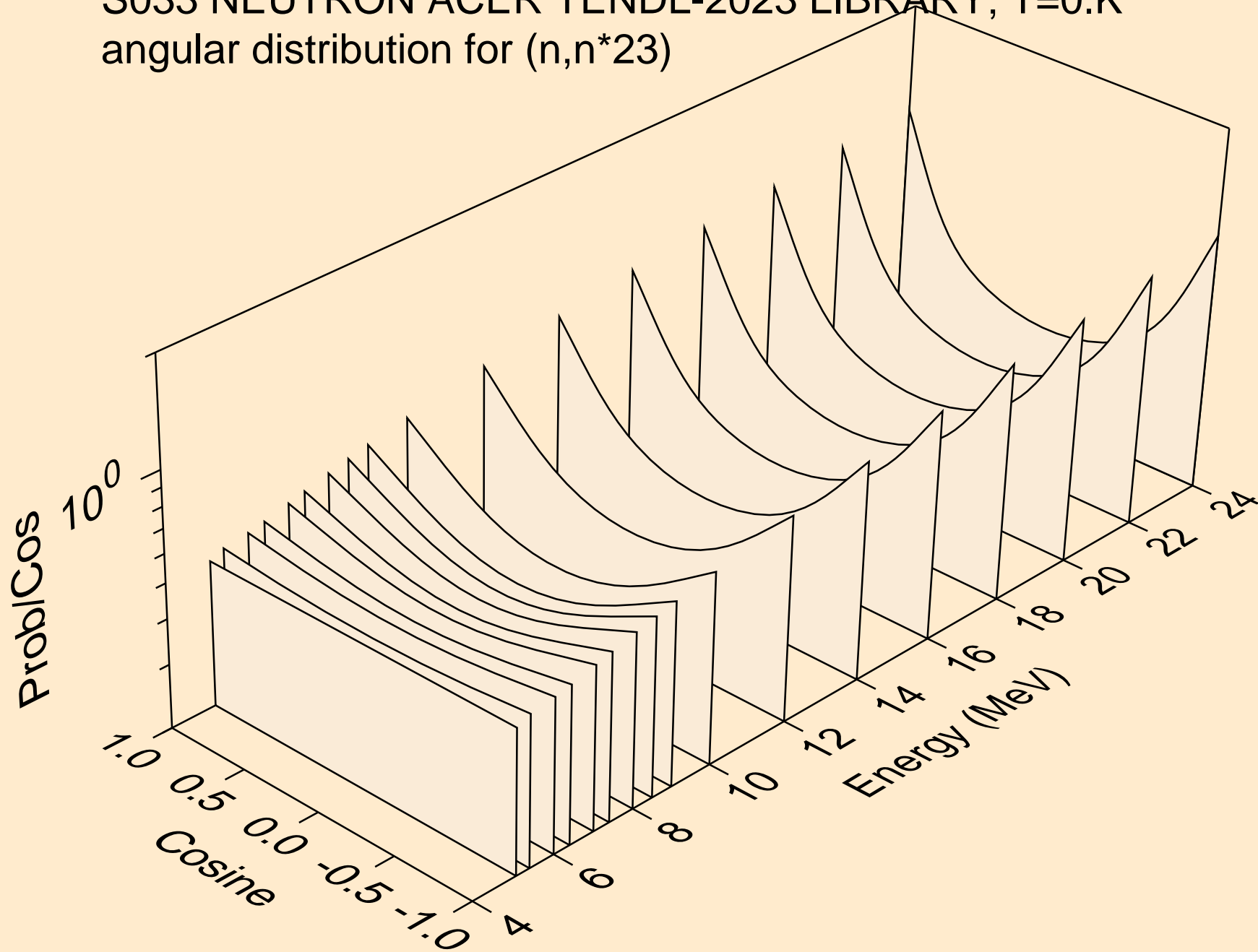




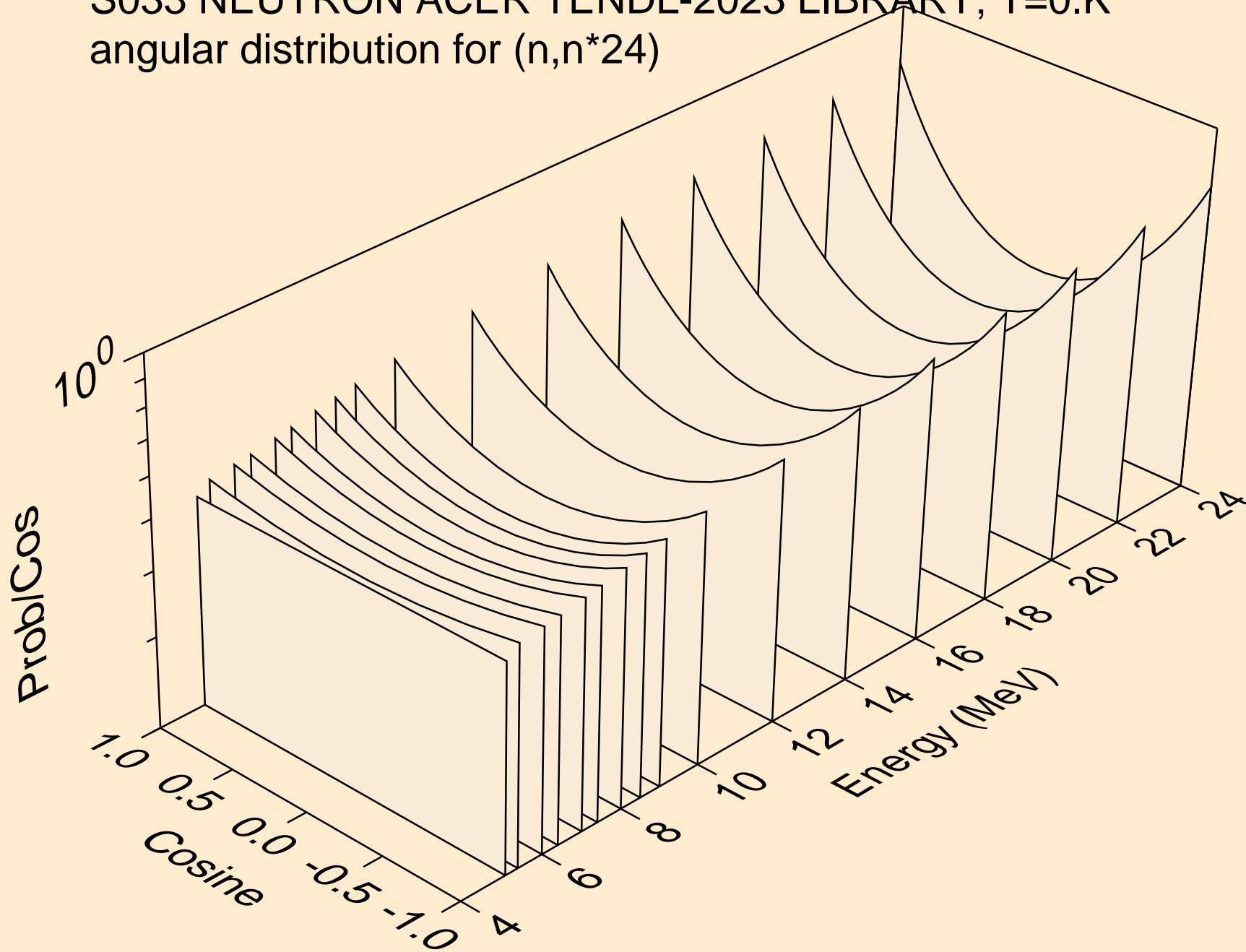
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angular distribution for (n,n\*22)



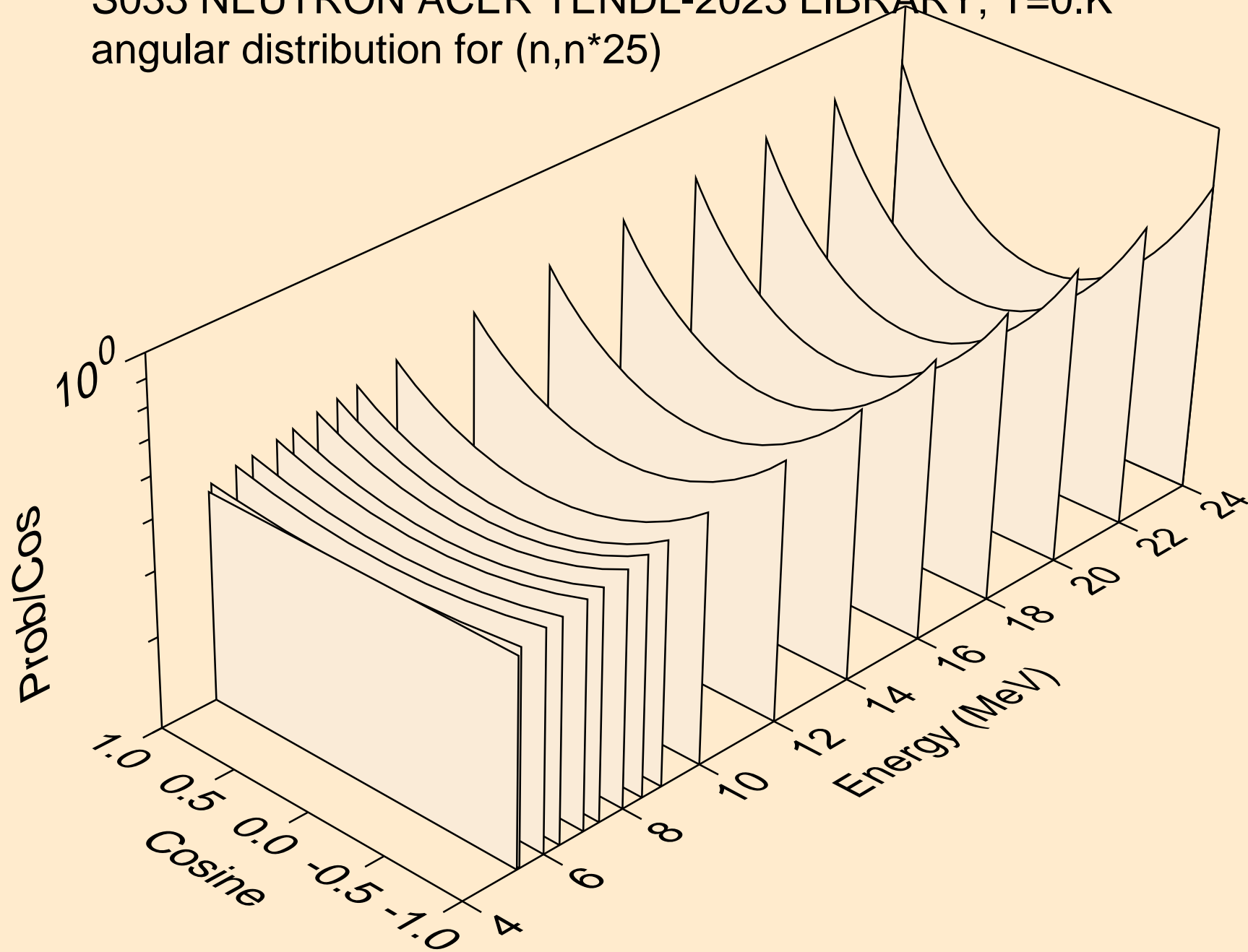
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angular distribution for (n,n\*23)



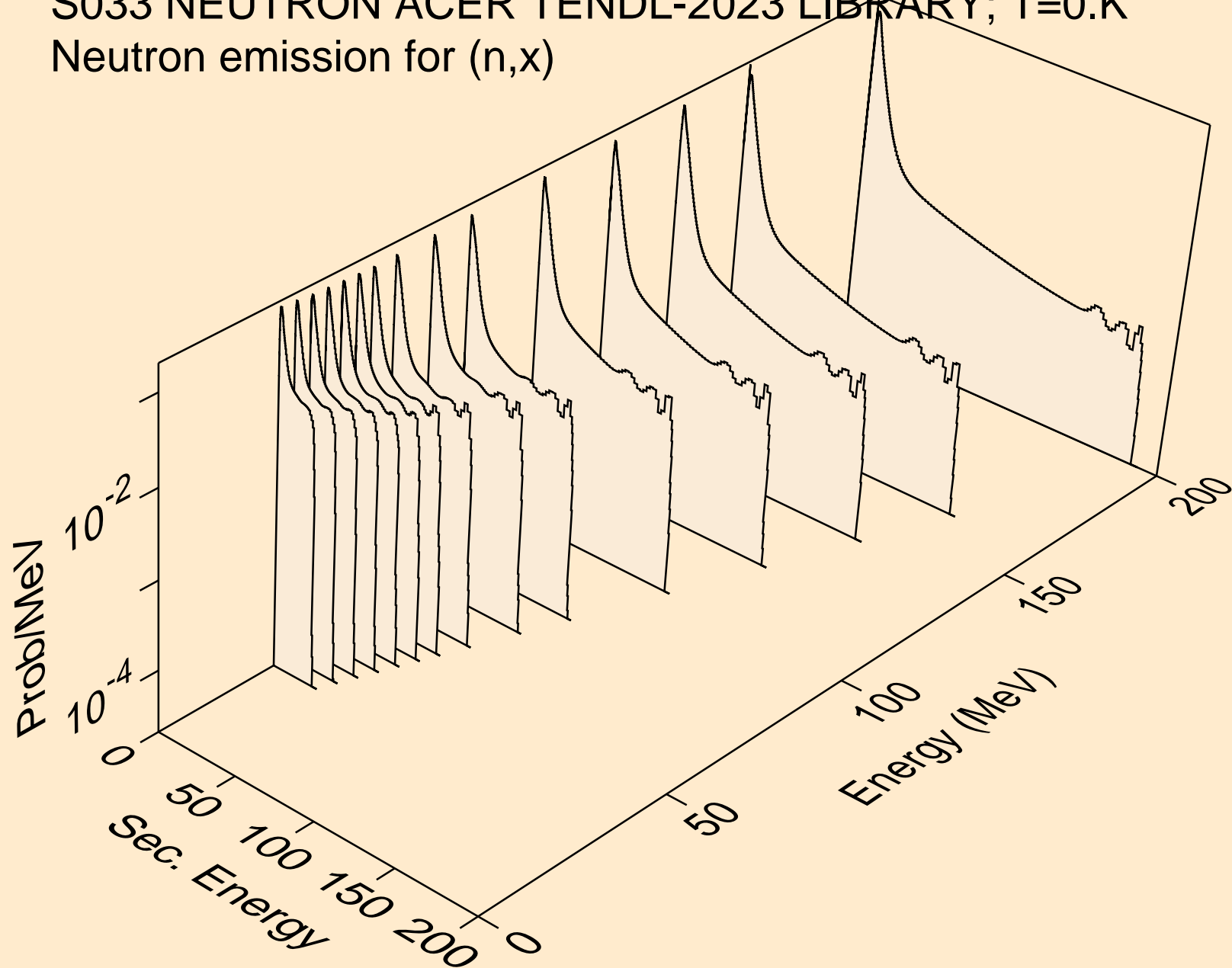
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angular distribution for (n,n\*24)



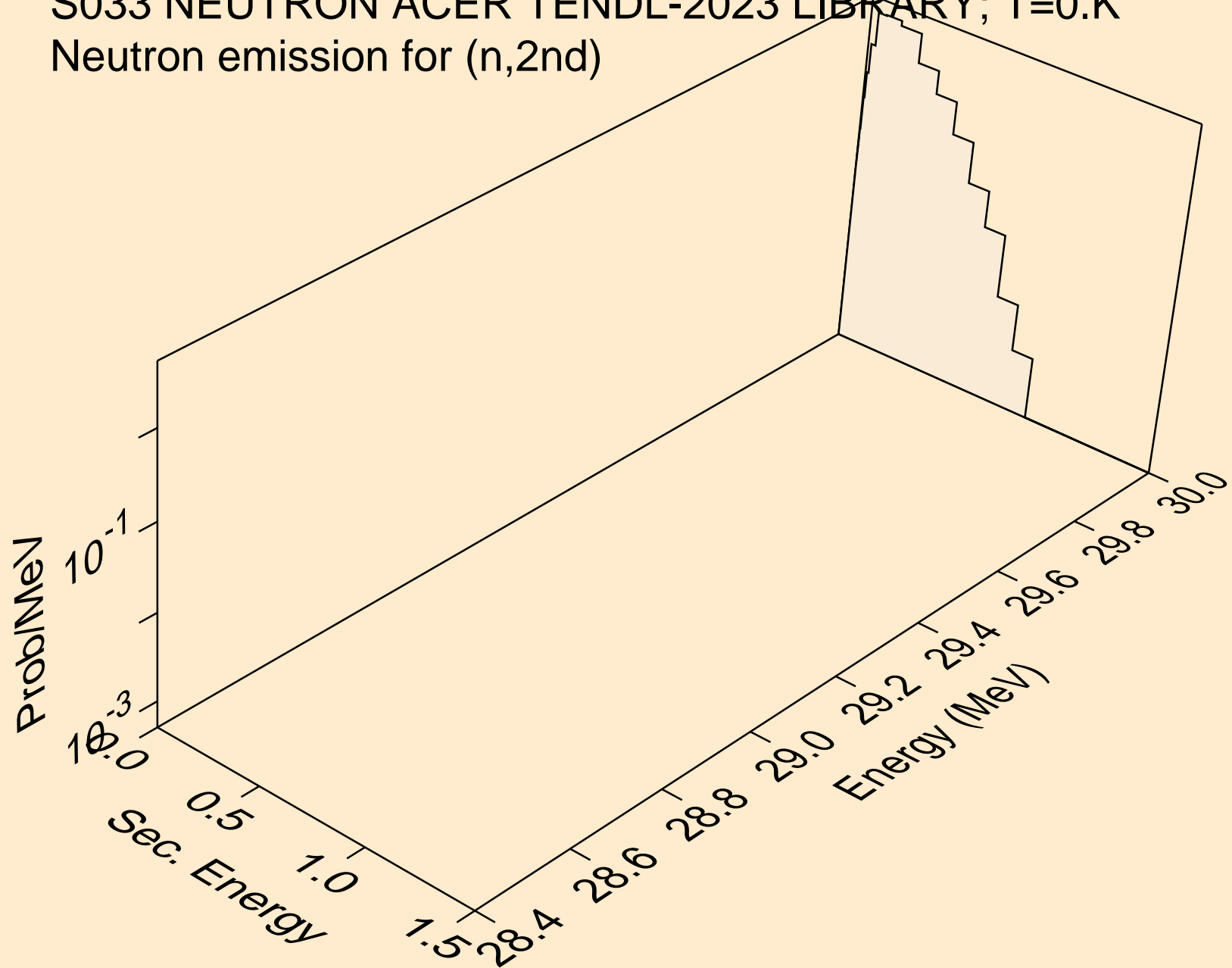
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angular distribution for (n,n\*25)



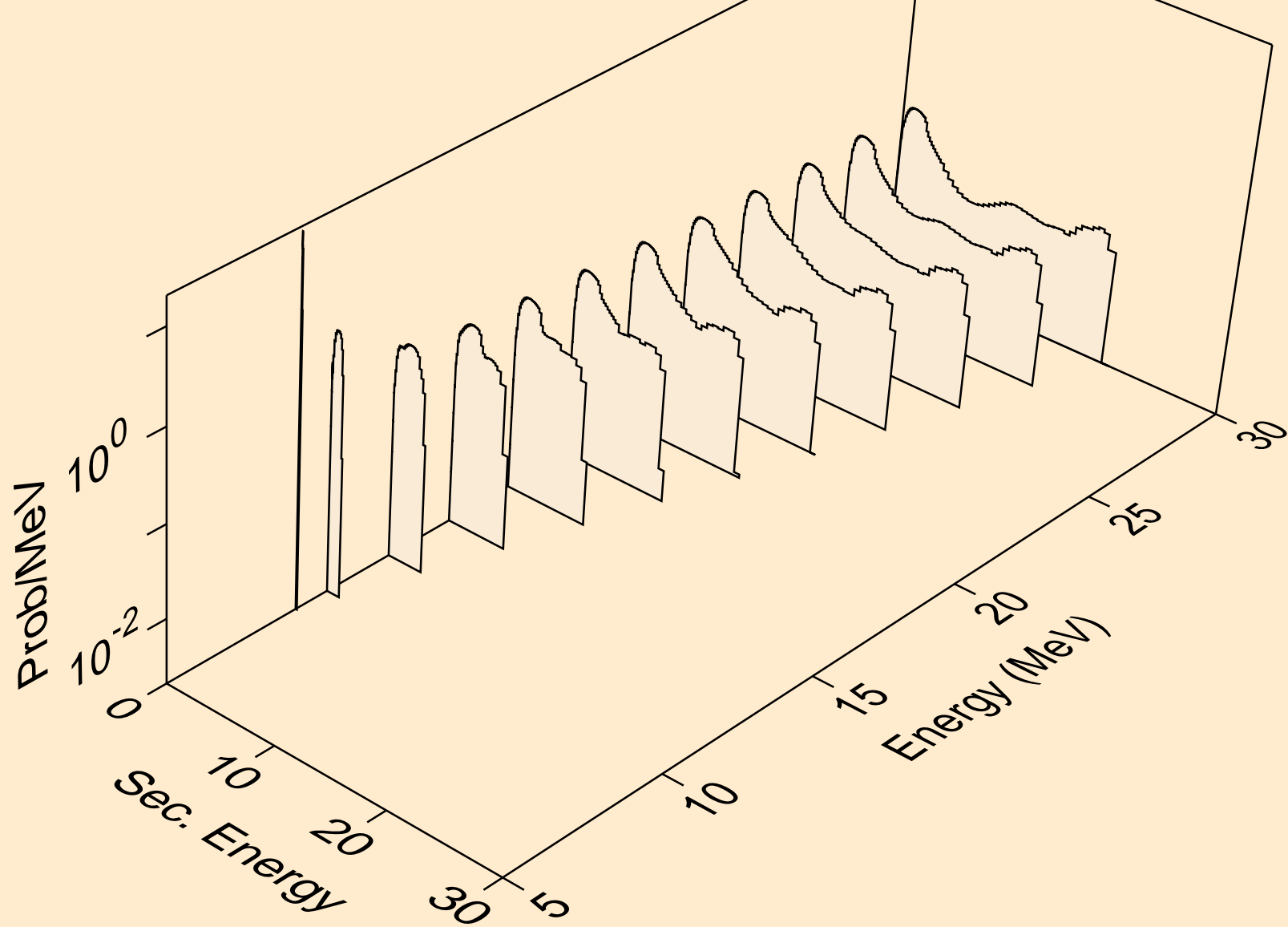
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Neutron emission for (n,x)



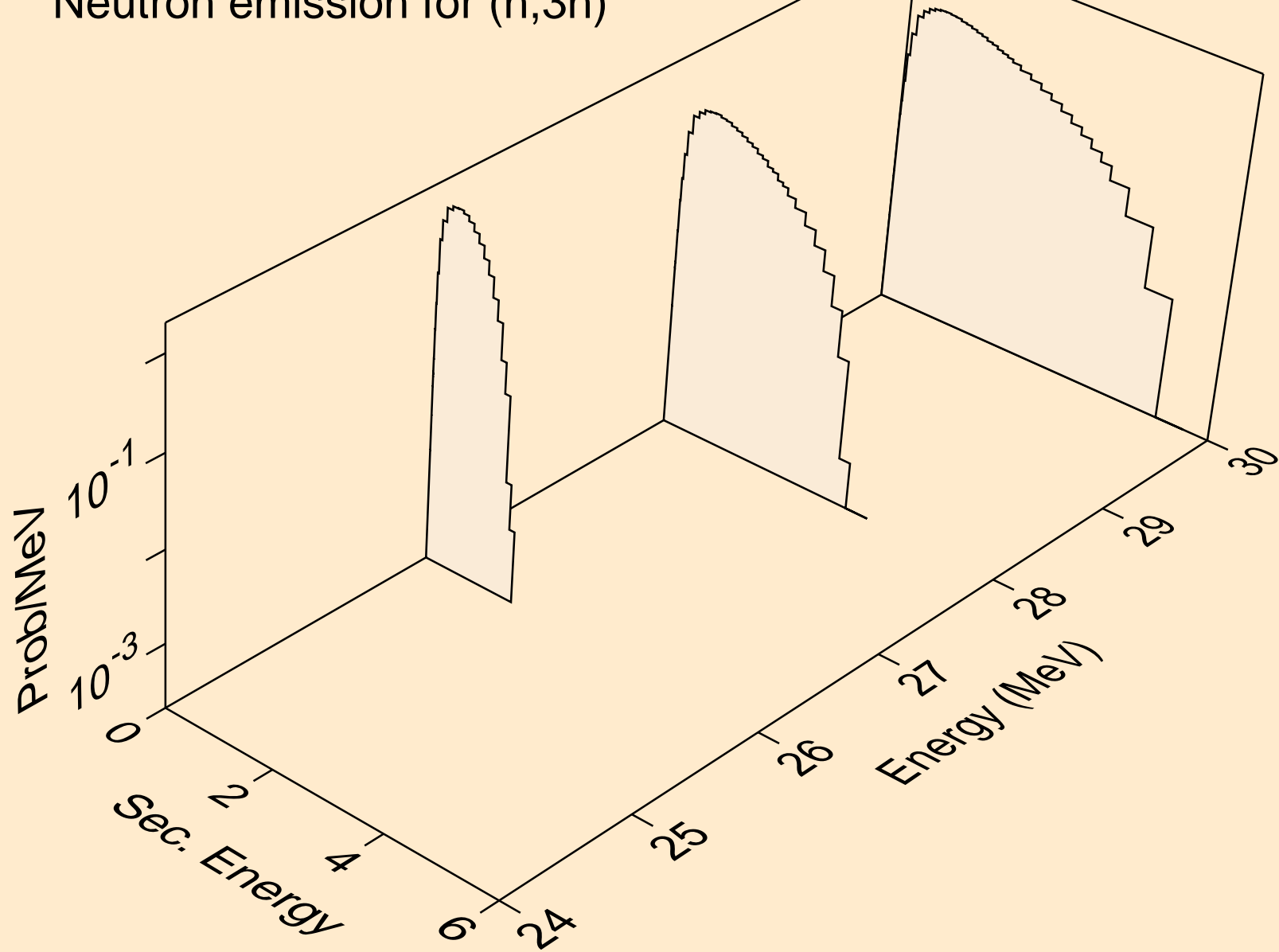
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)

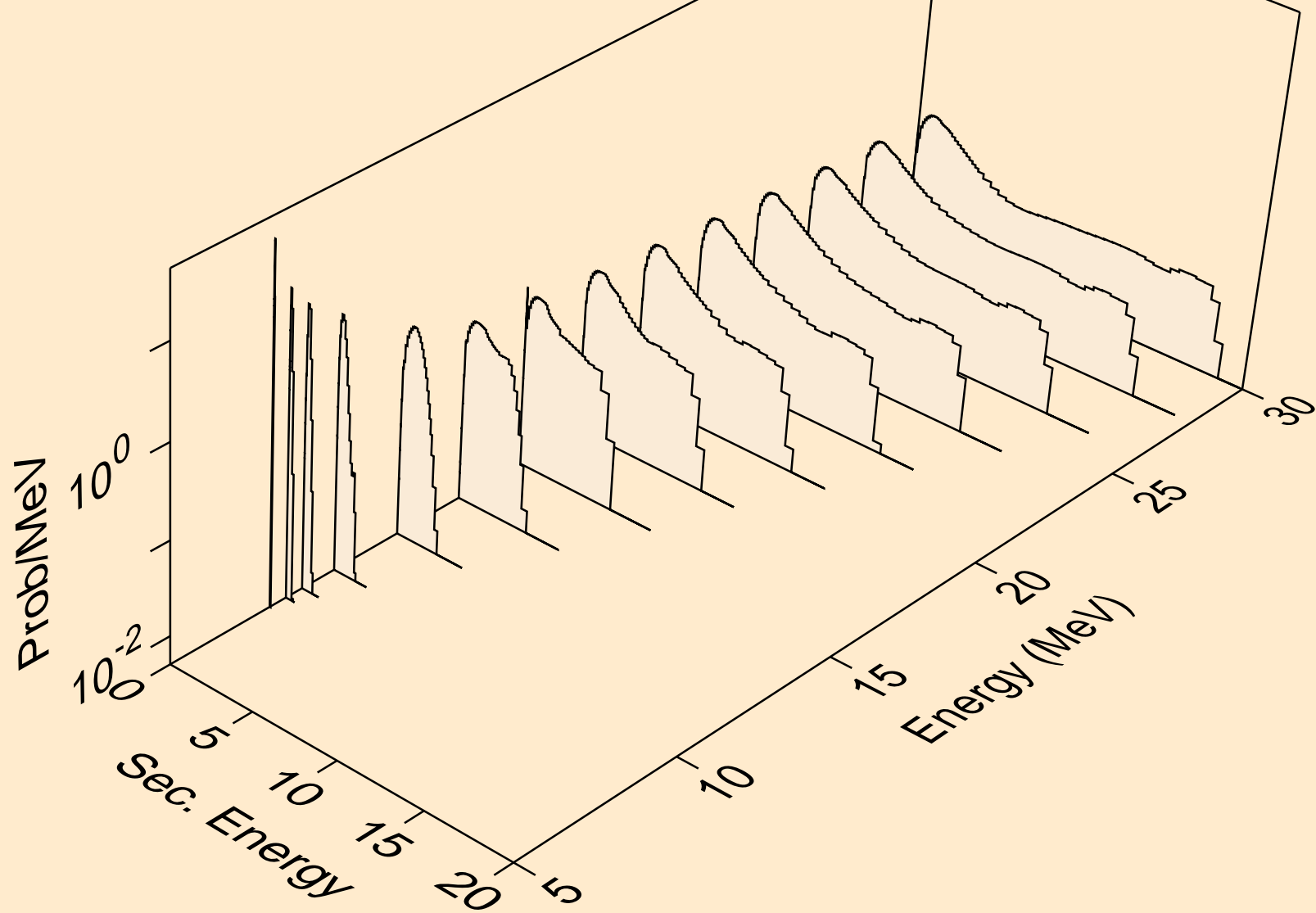


S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)

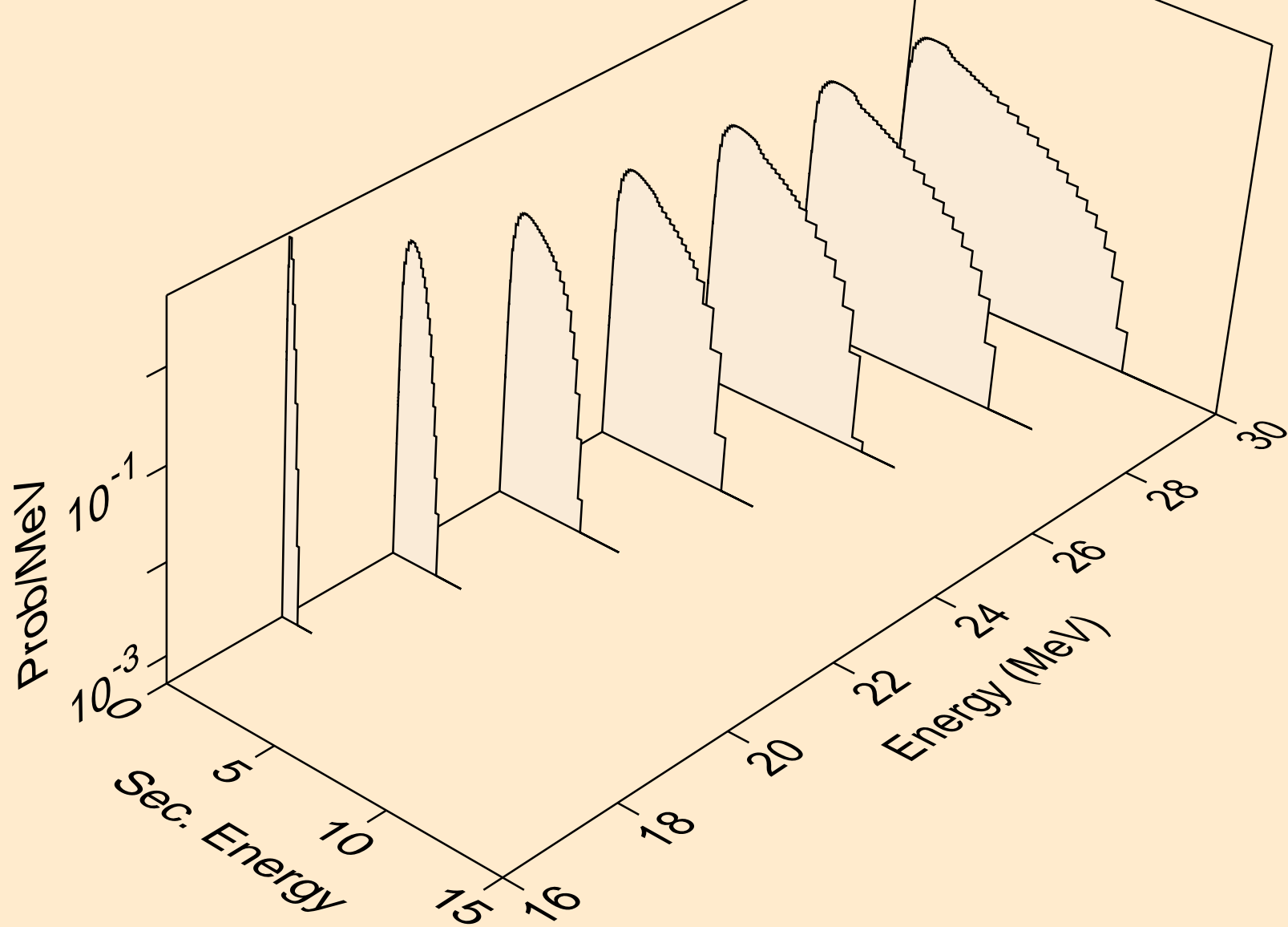




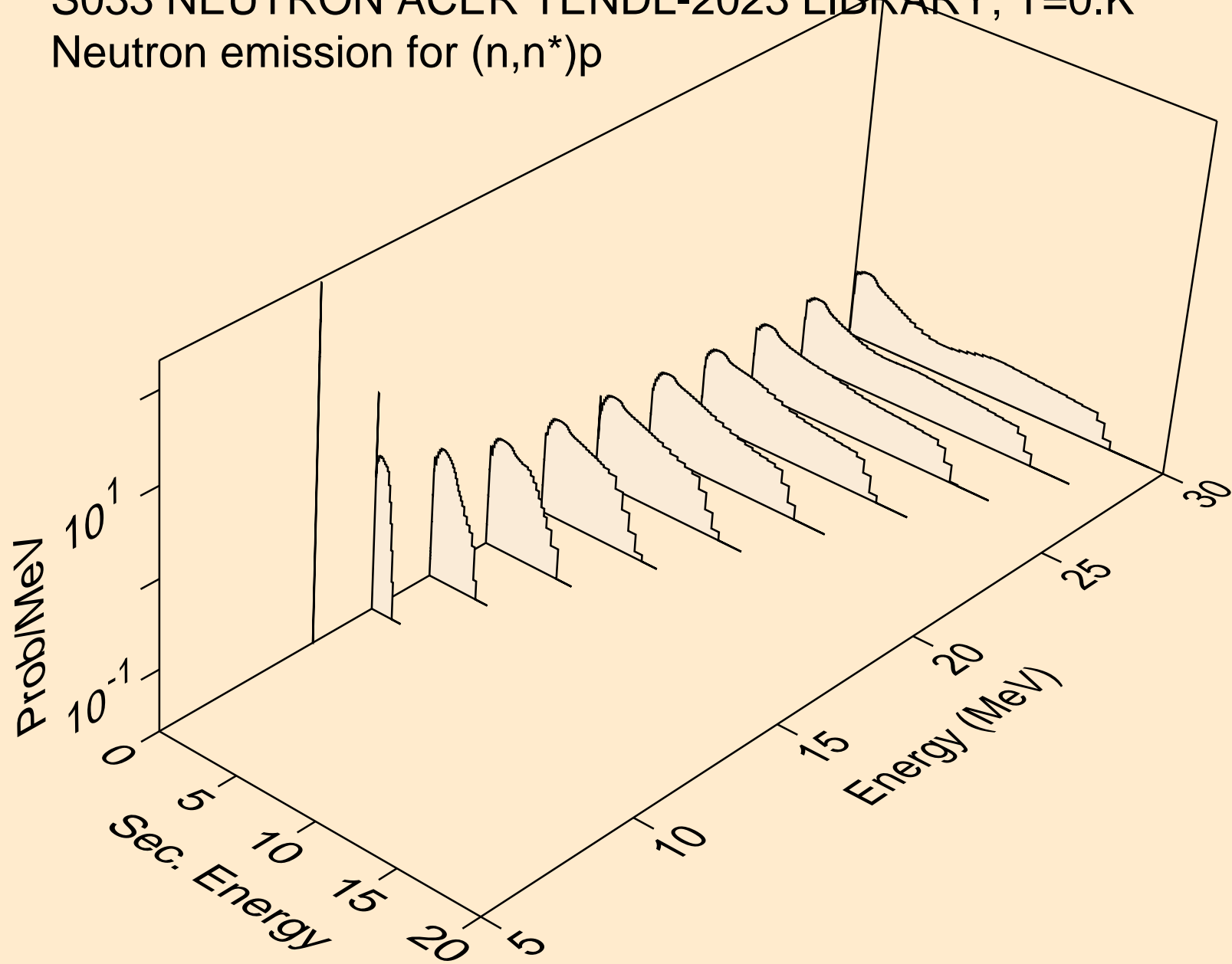
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



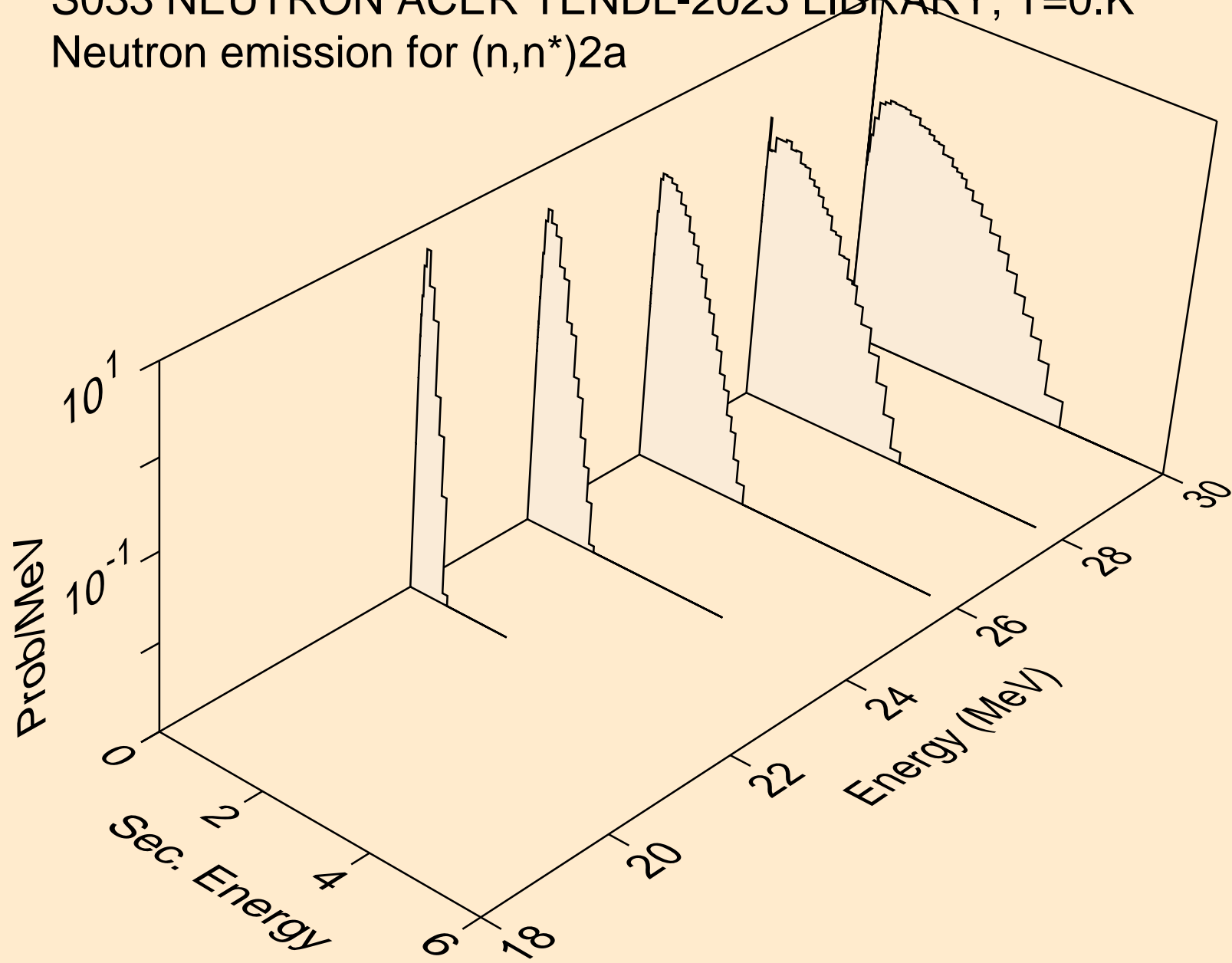
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Neutron emission for (n,2n)a



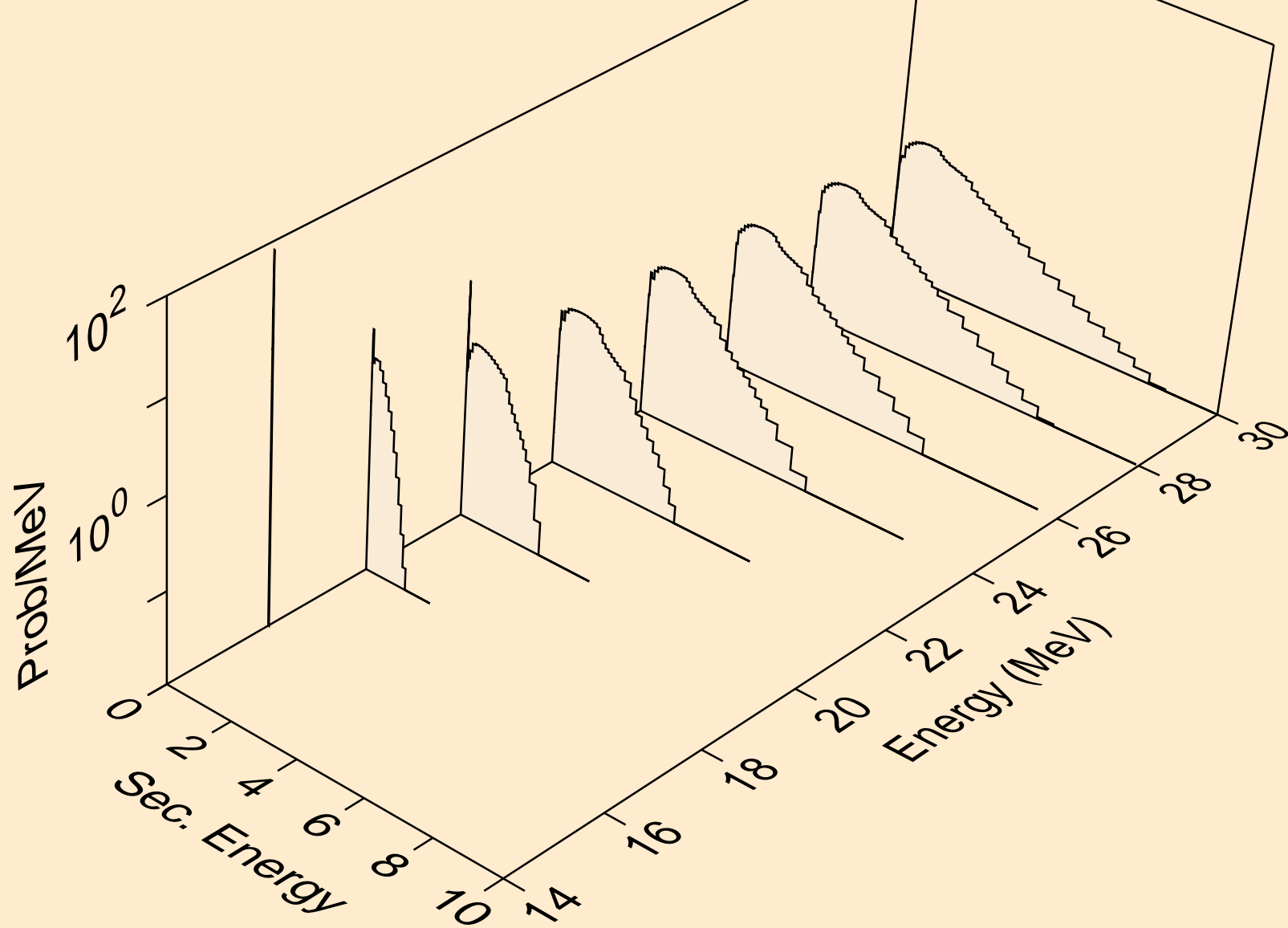
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Neutron emission for (n,n\*)p



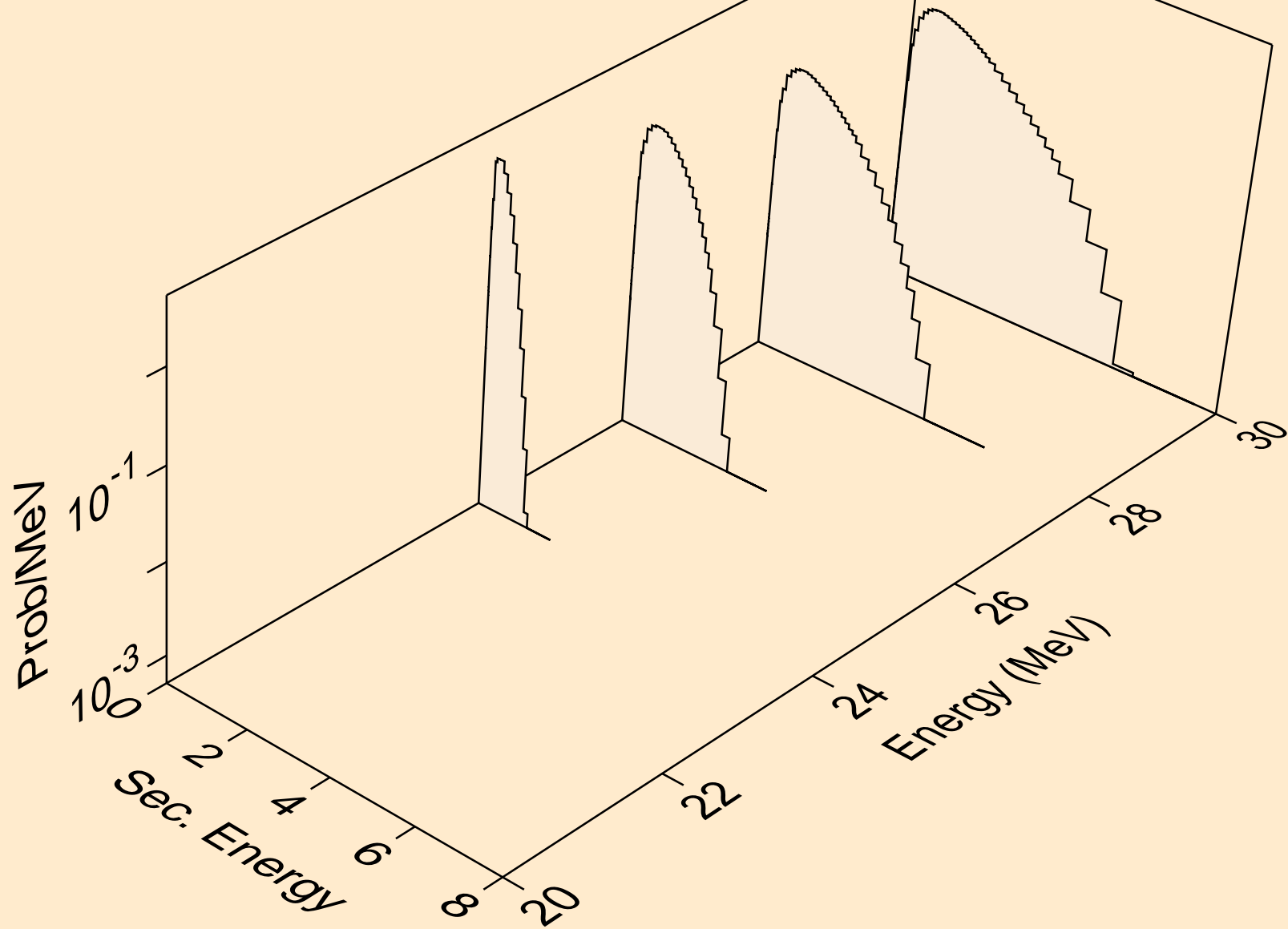
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Neutron emission for (n,n\*)2a



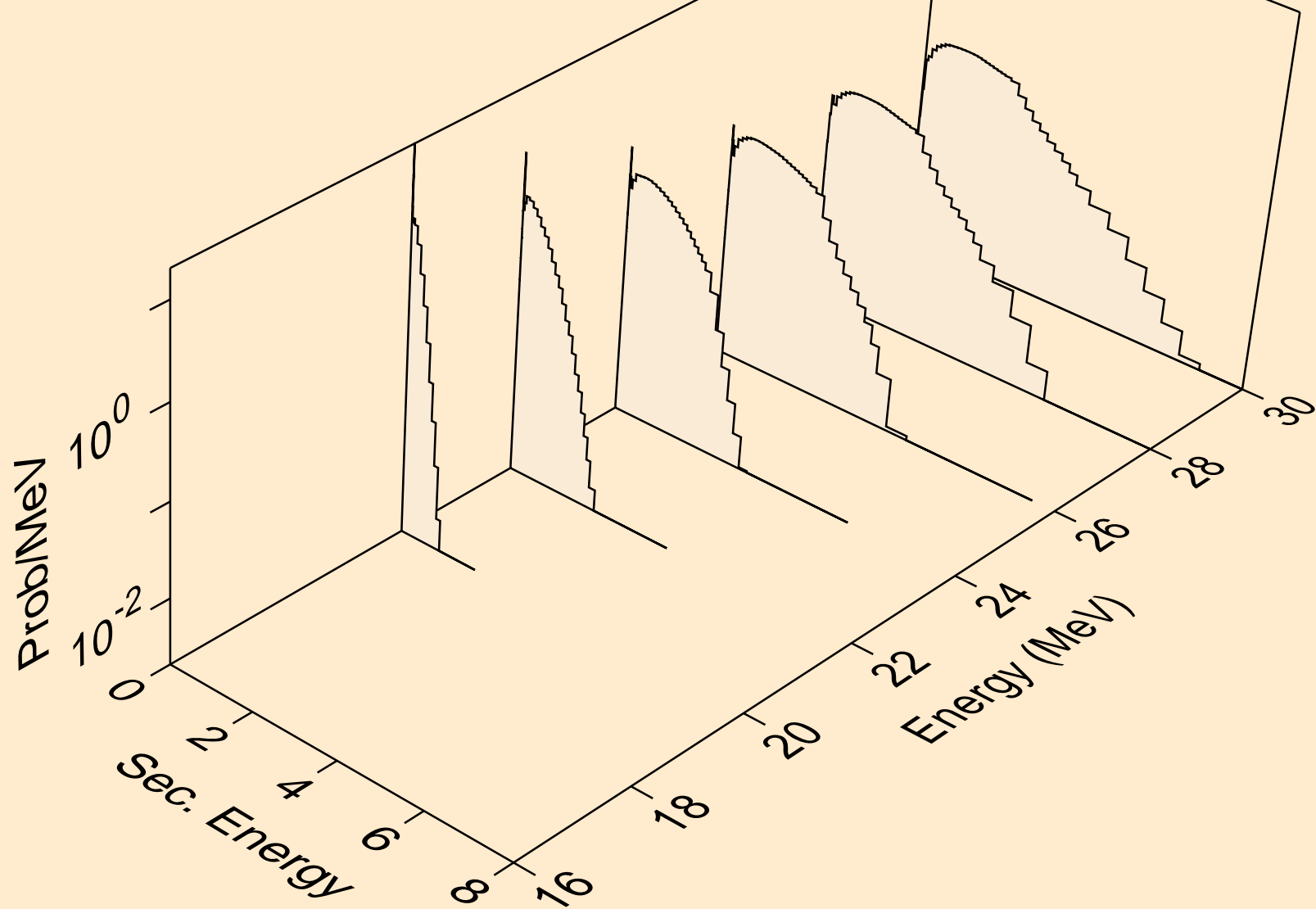
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Neutron emission for (n,n\*)d



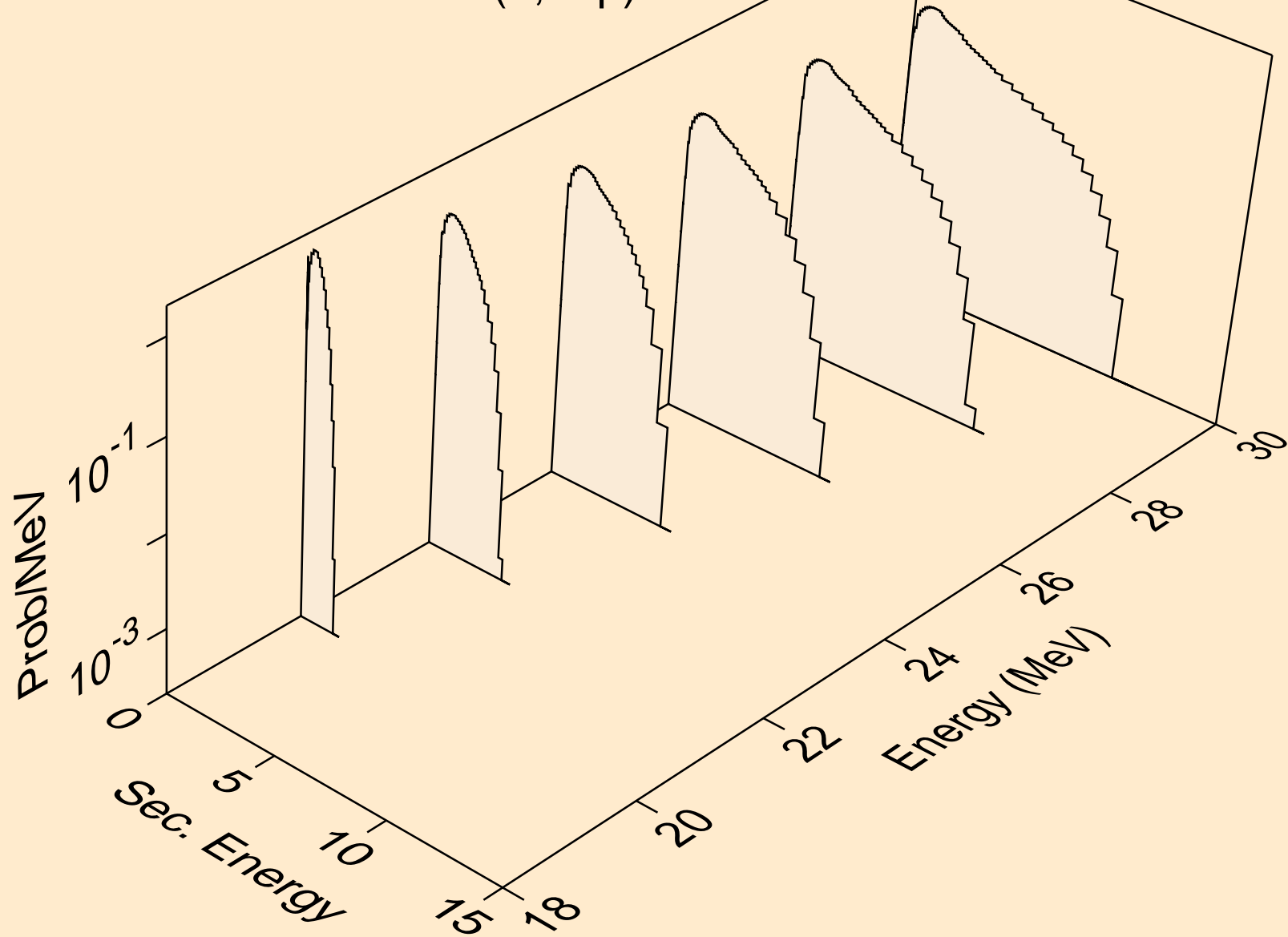
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

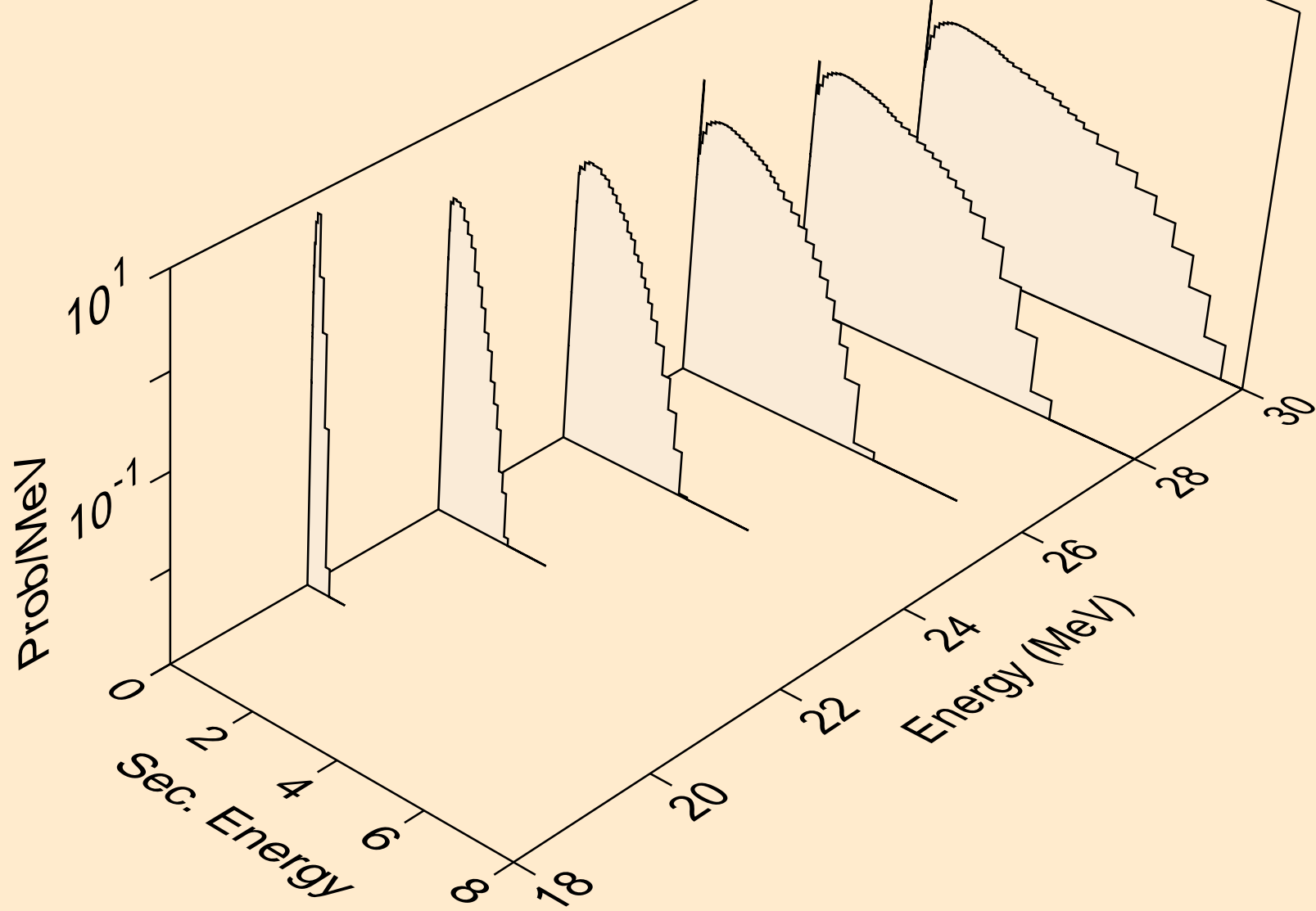


S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)

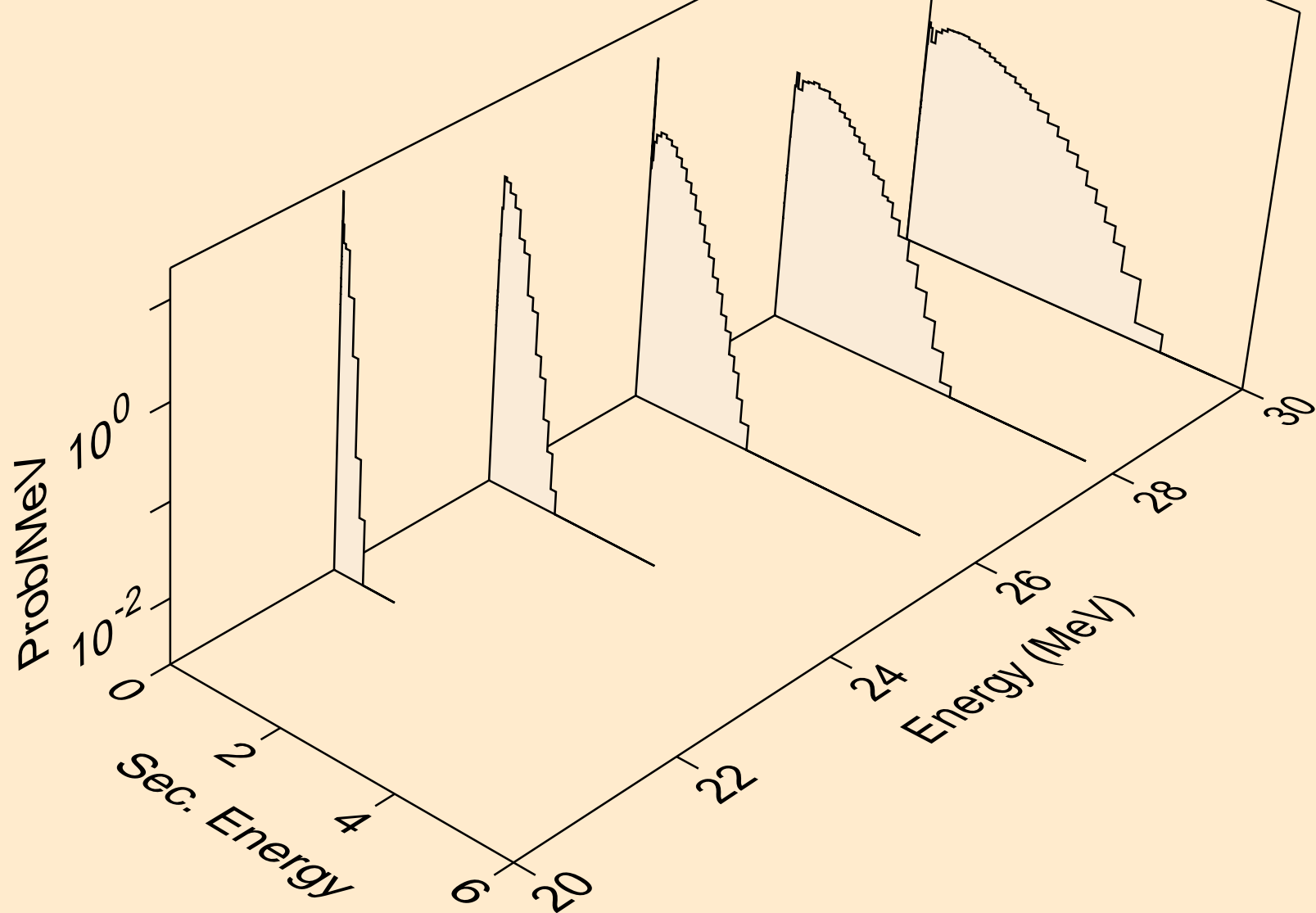




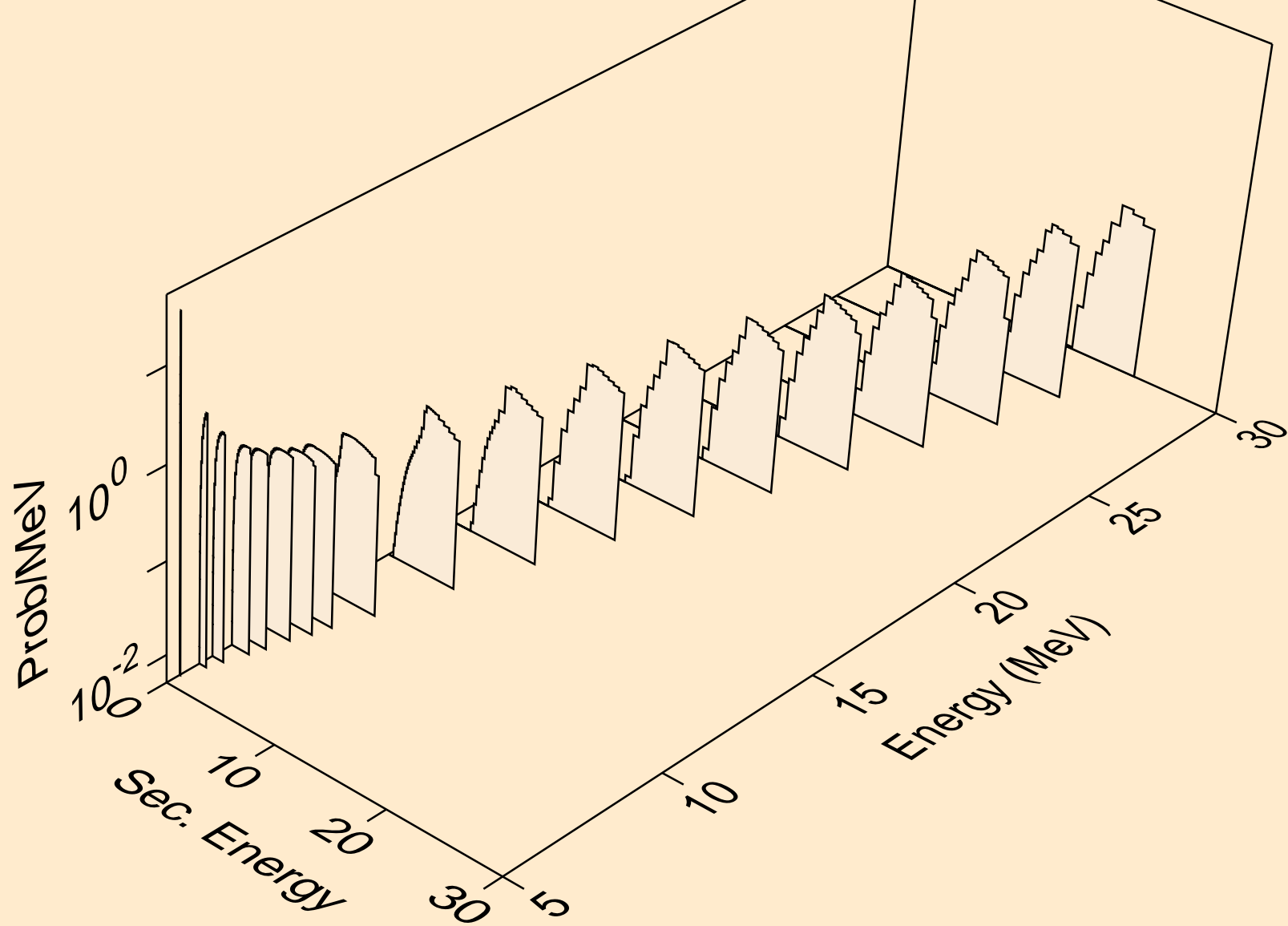
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Neutron emission for (n,n2p)



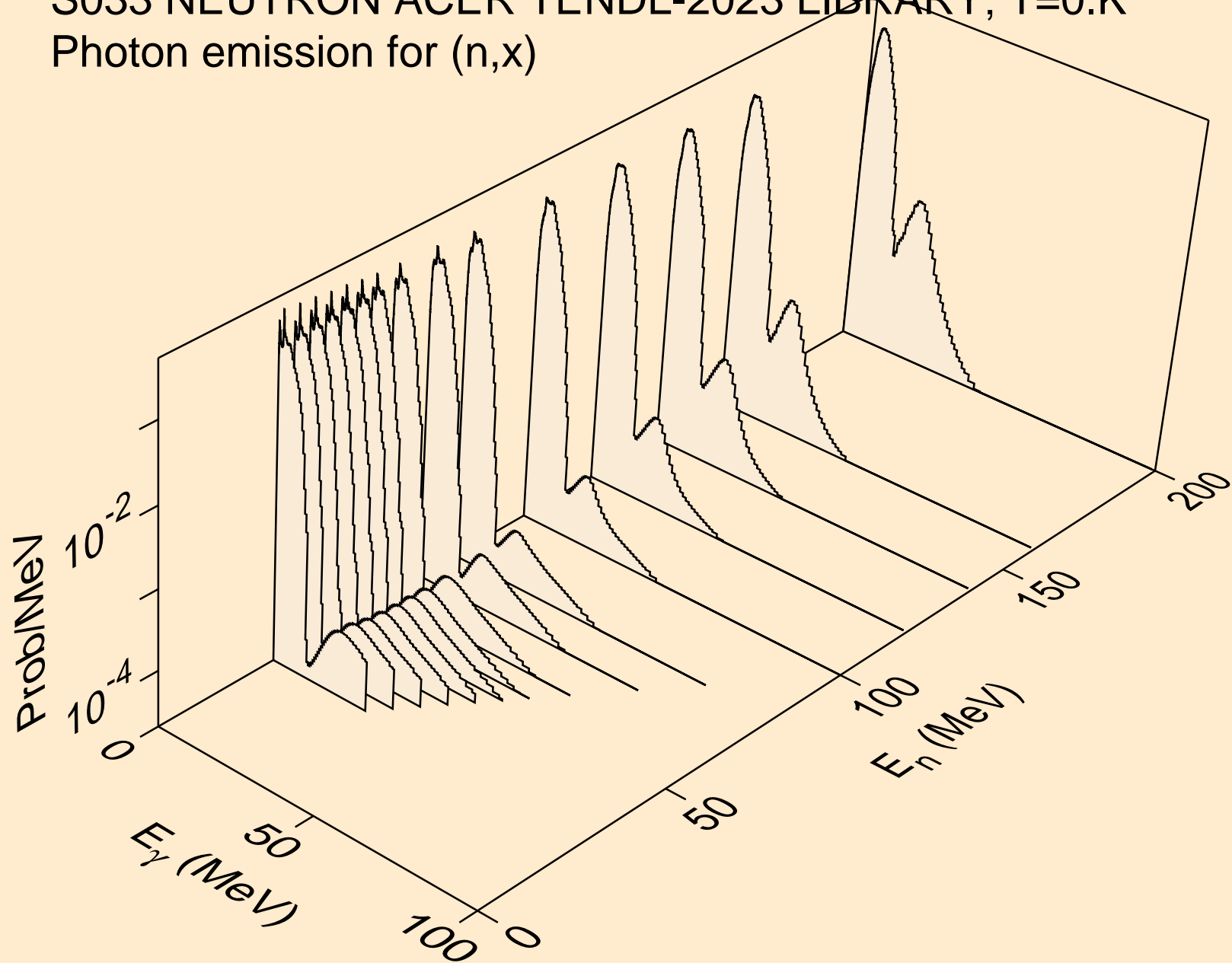
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Neutron emission for (n,npa)



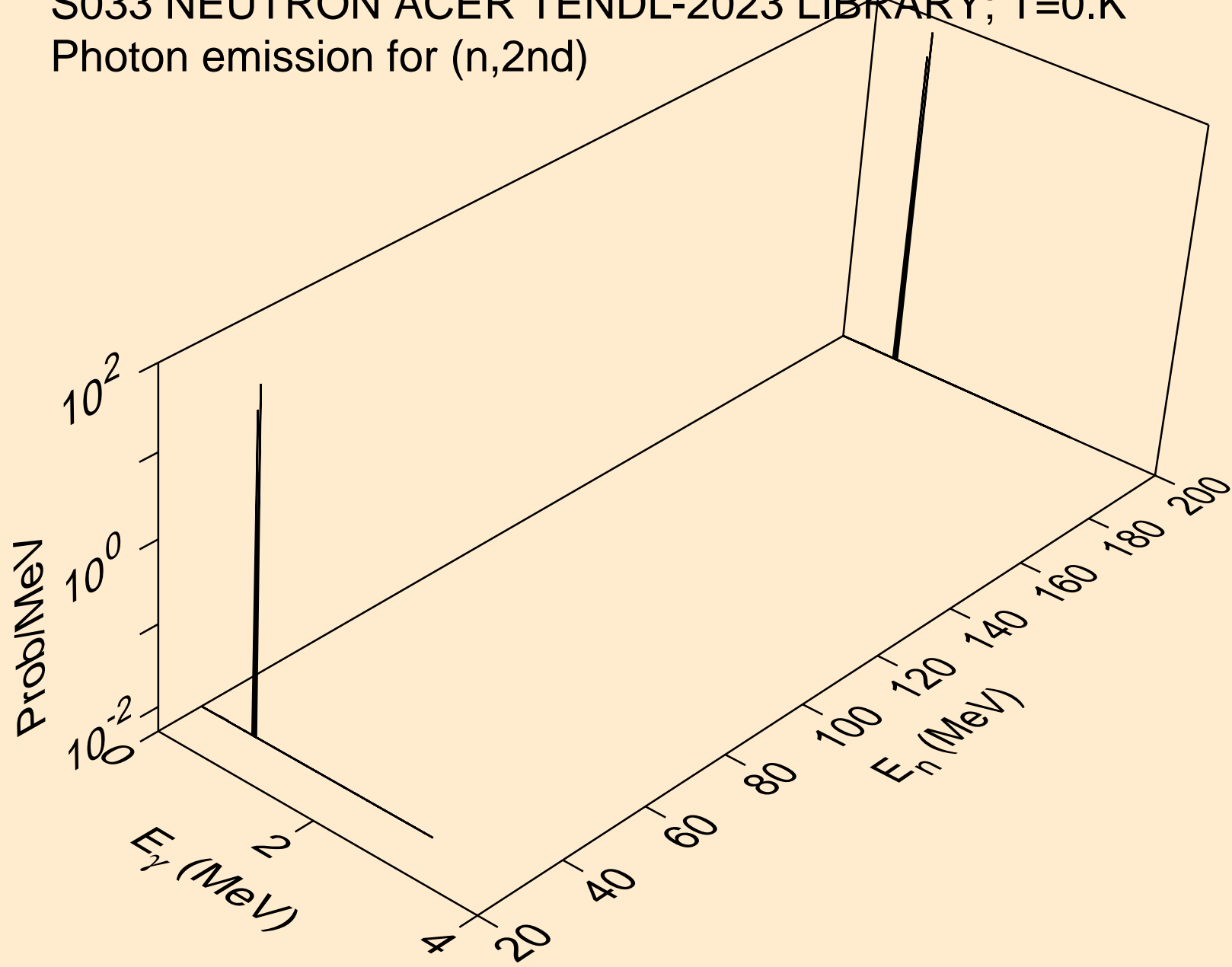
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



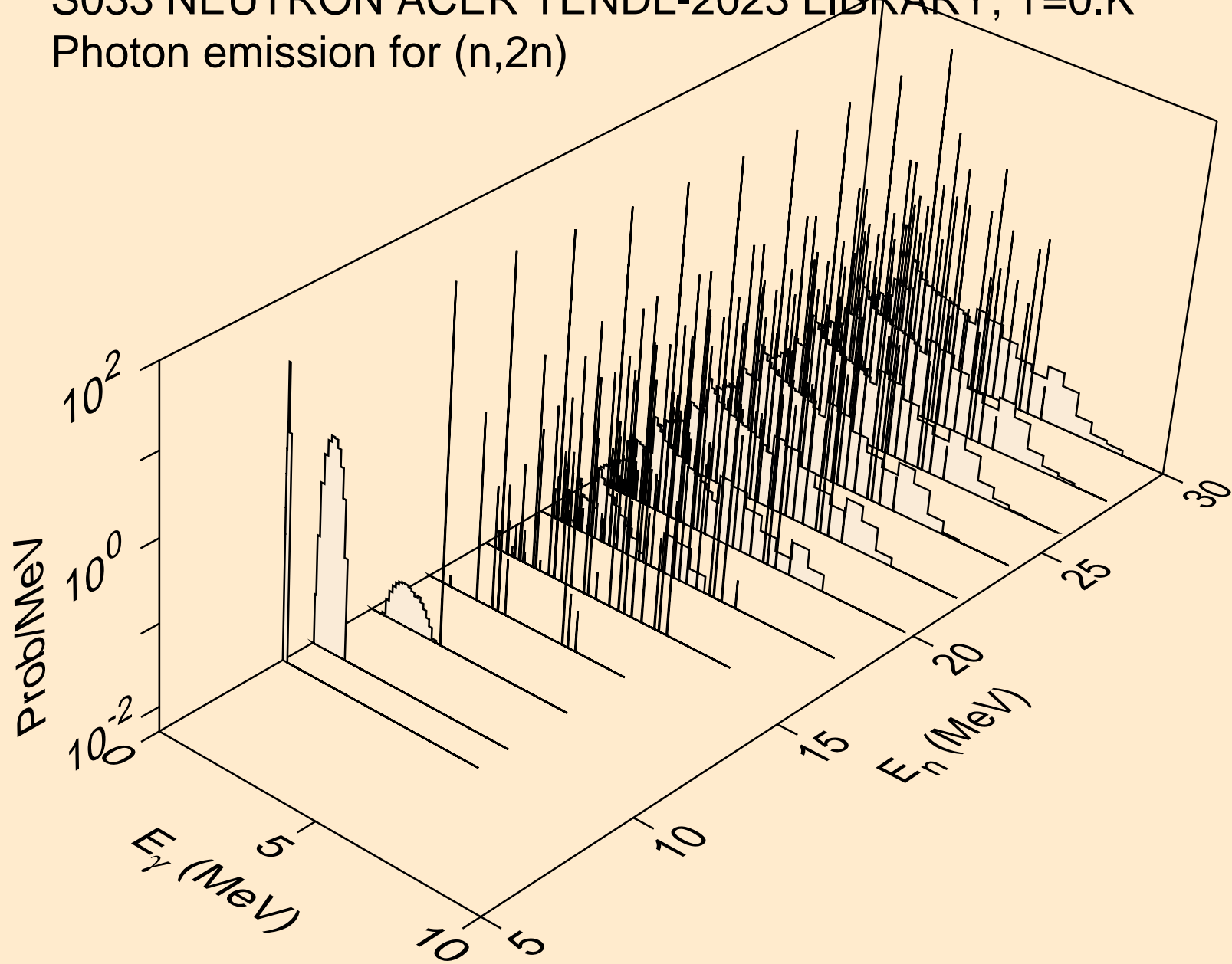
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



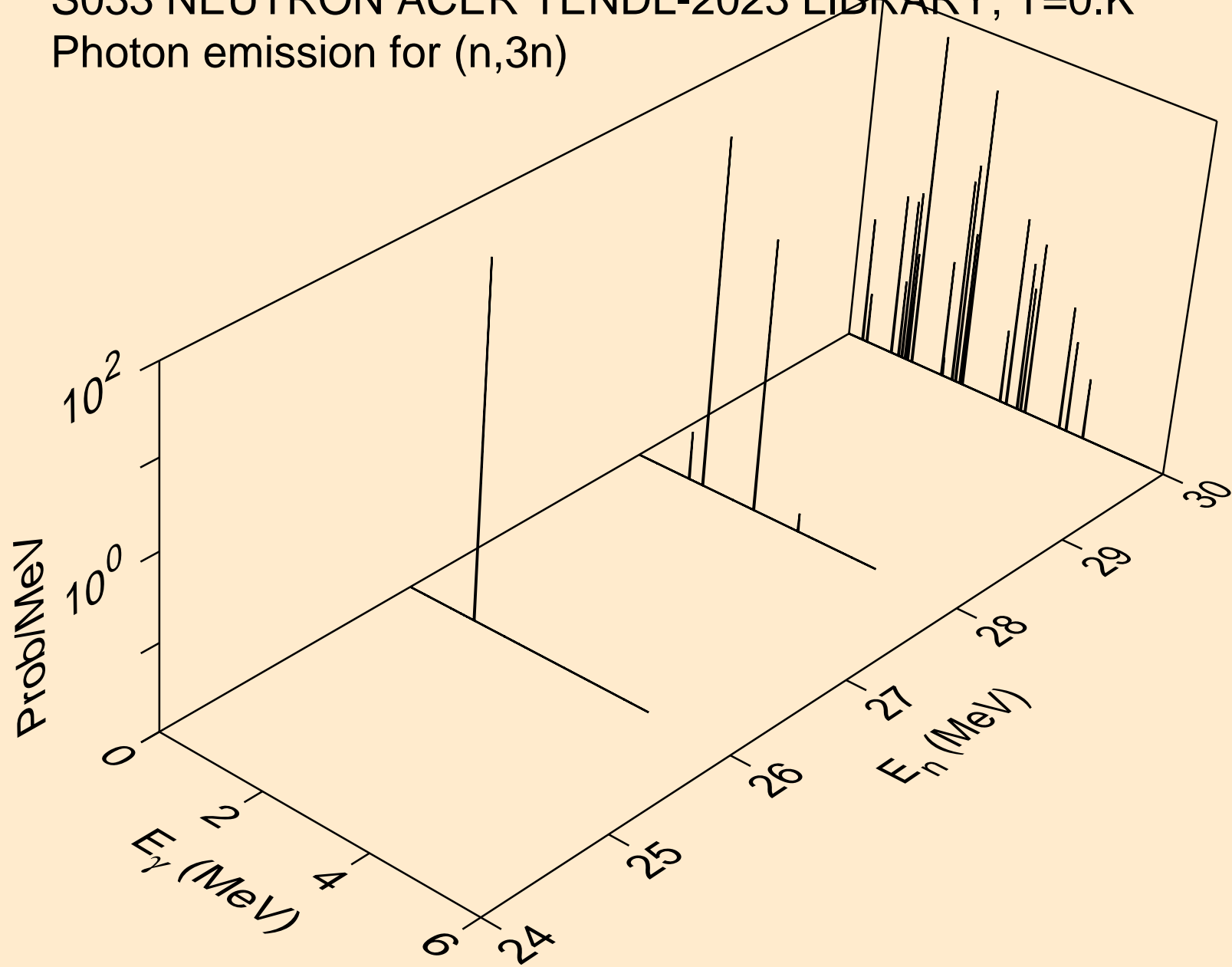
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



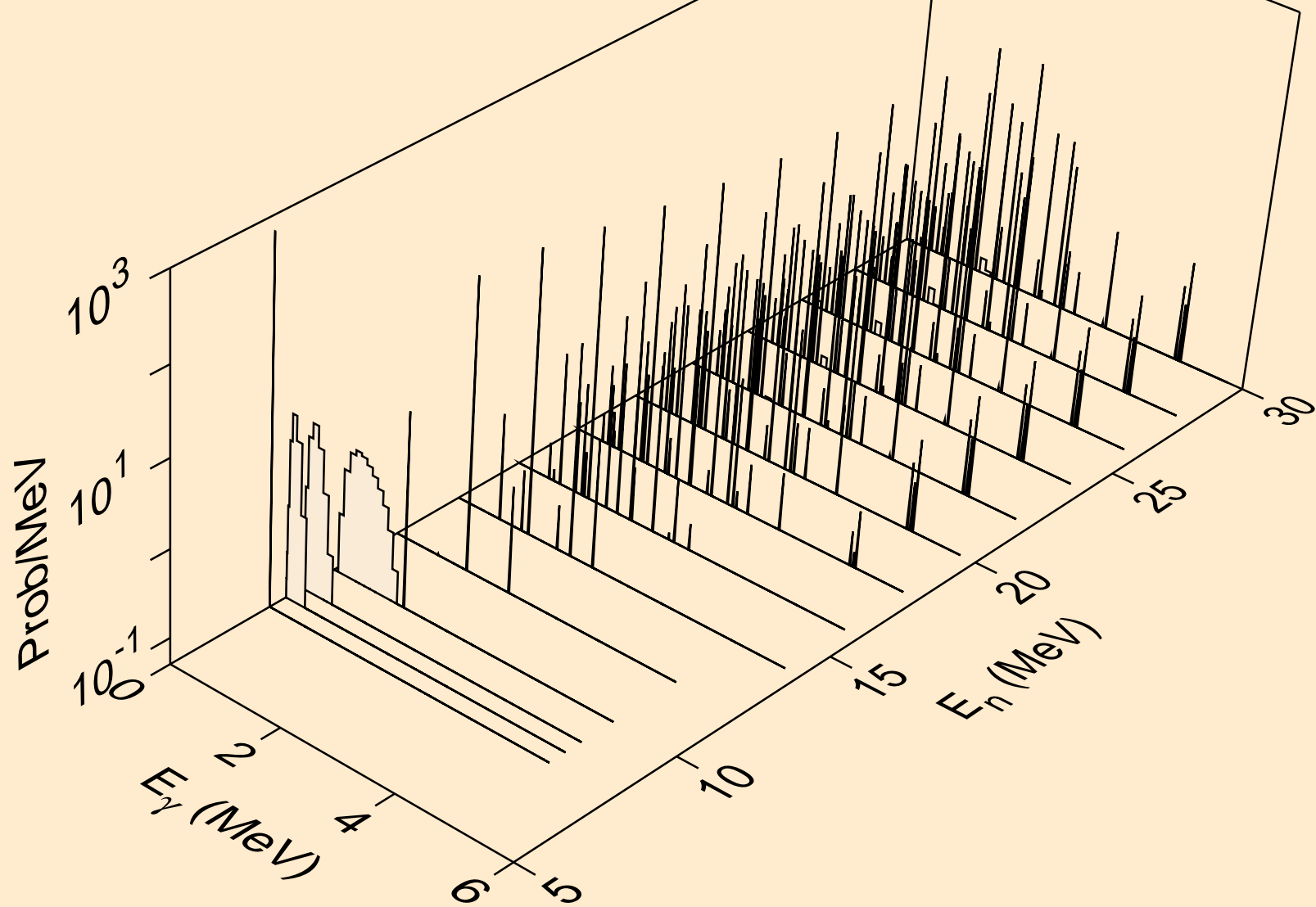
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)

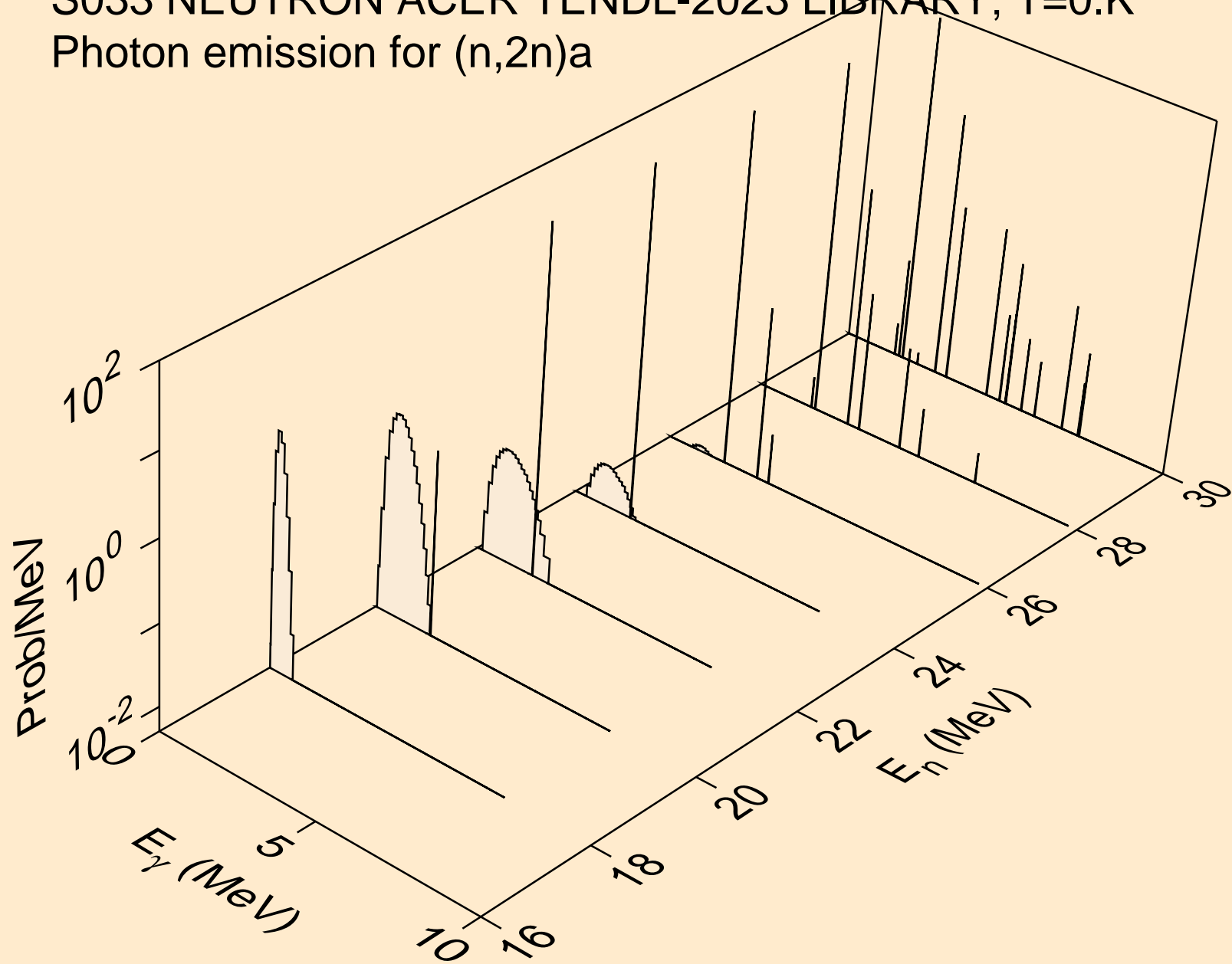


S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

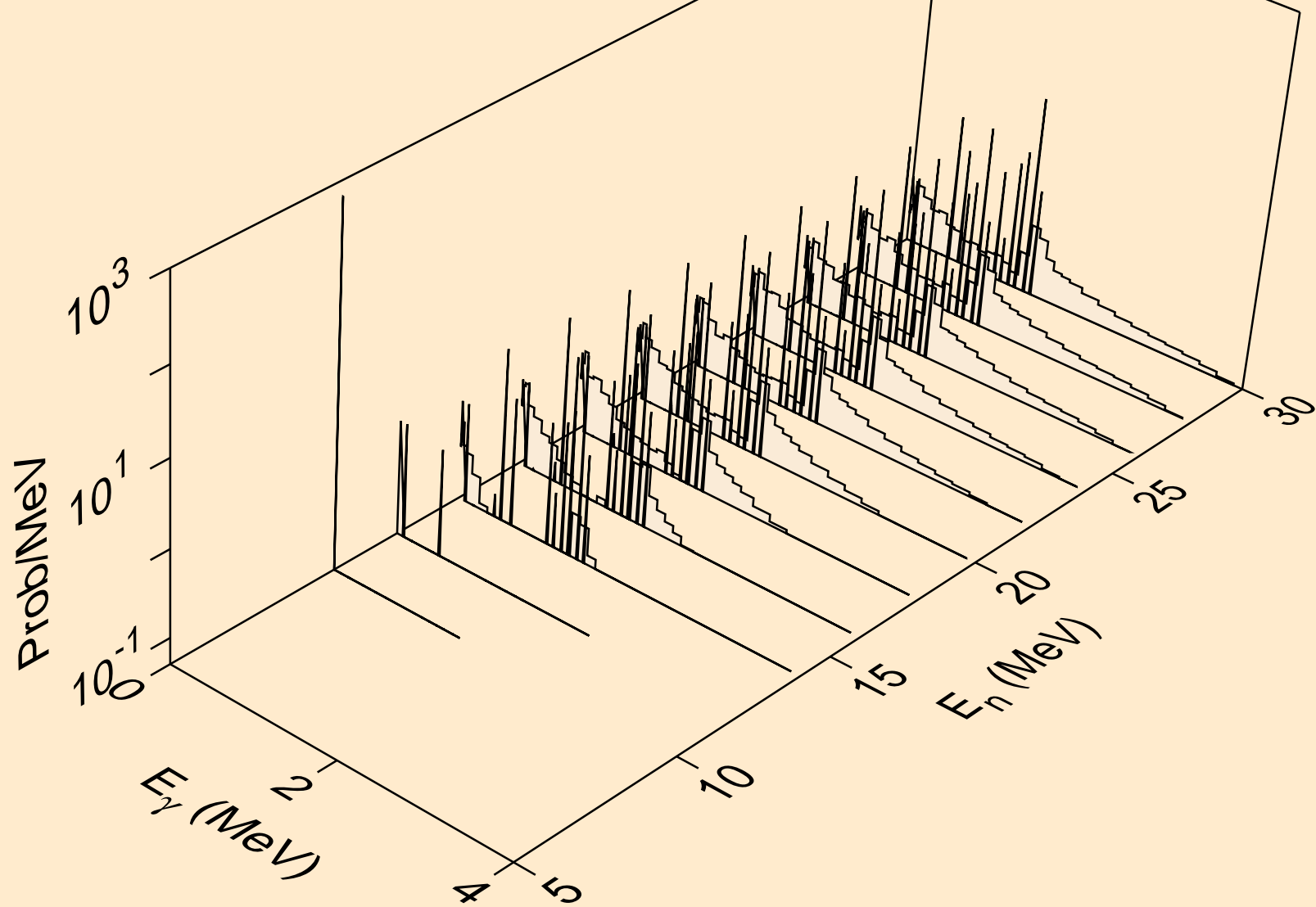




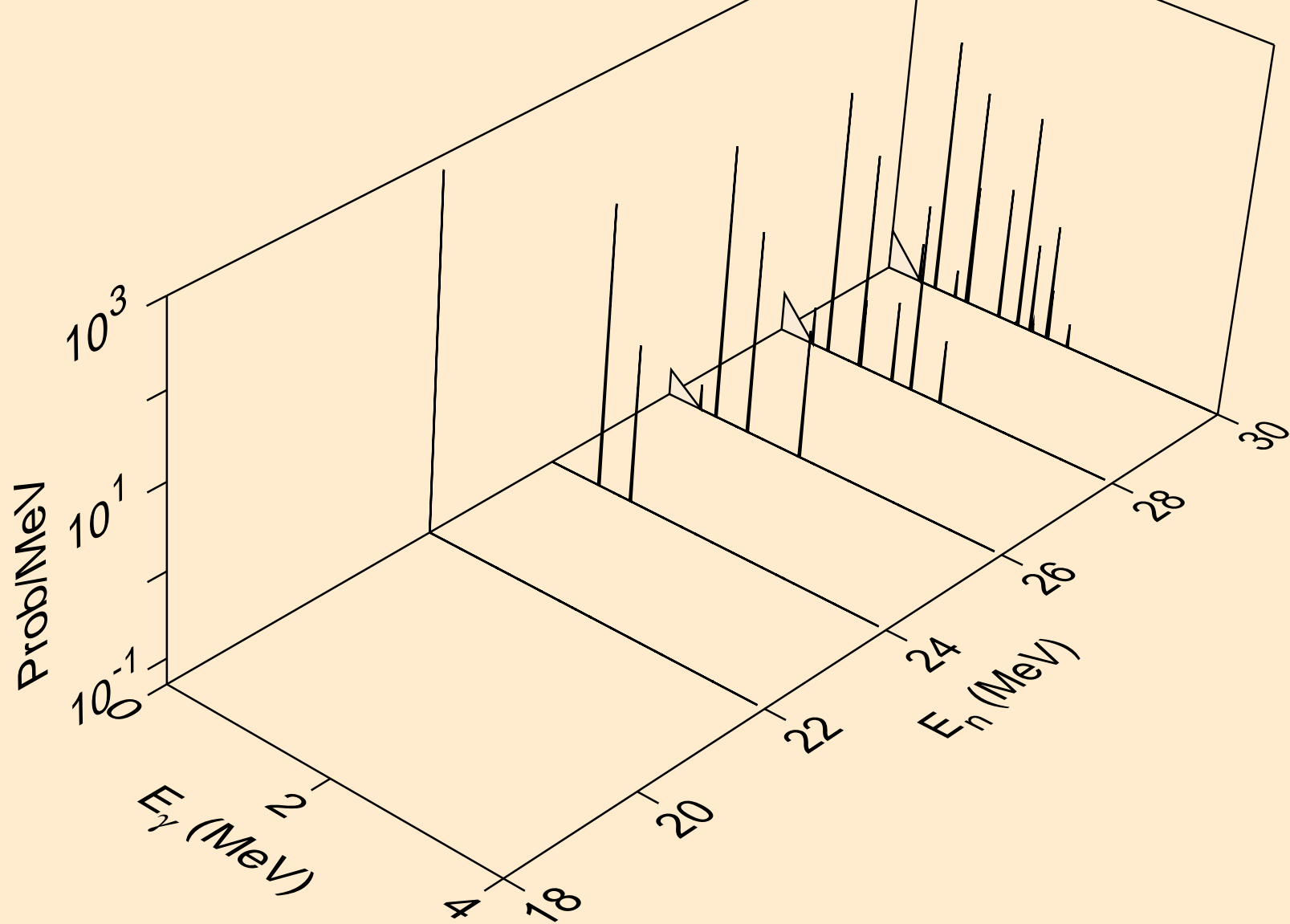
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



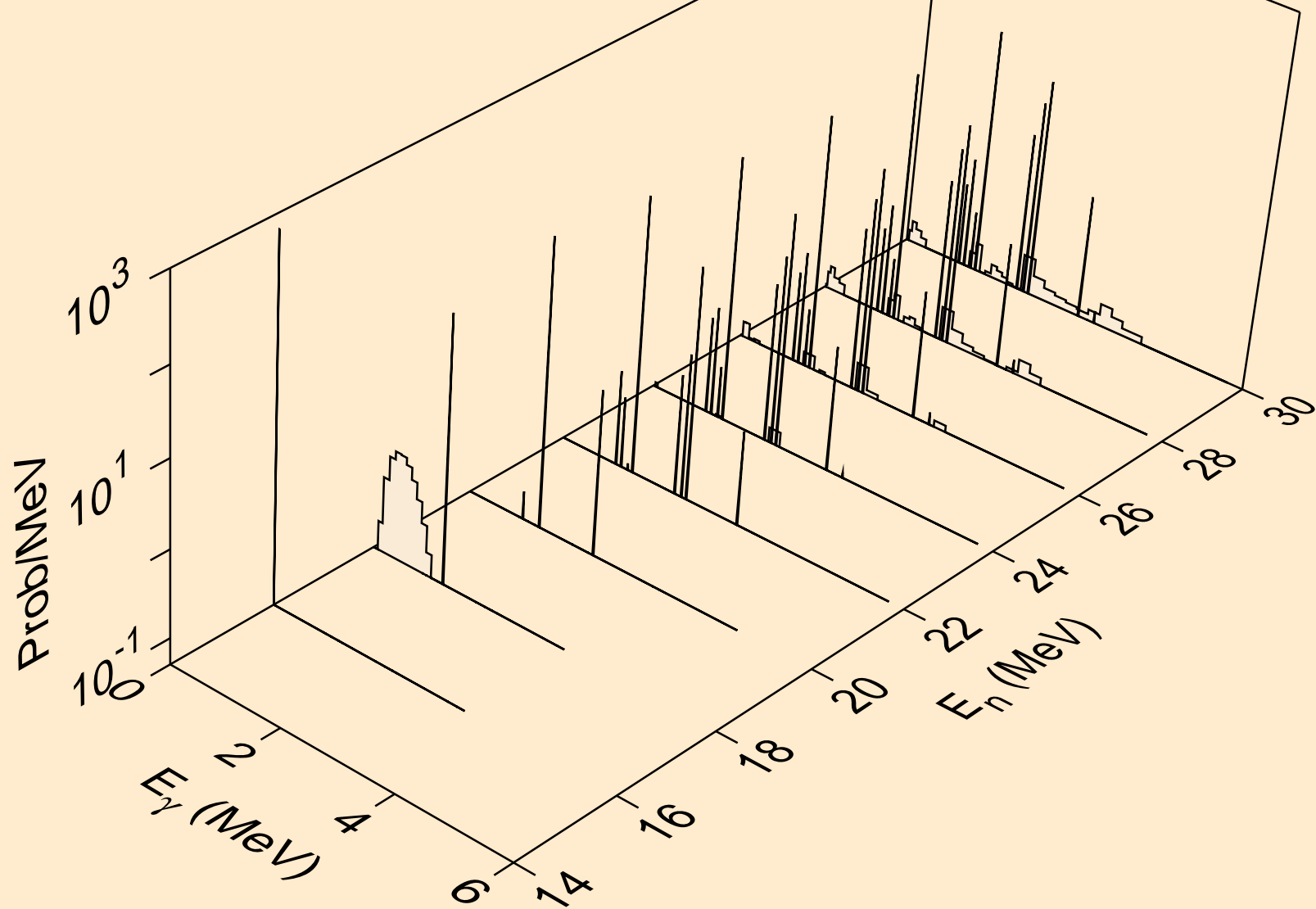
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



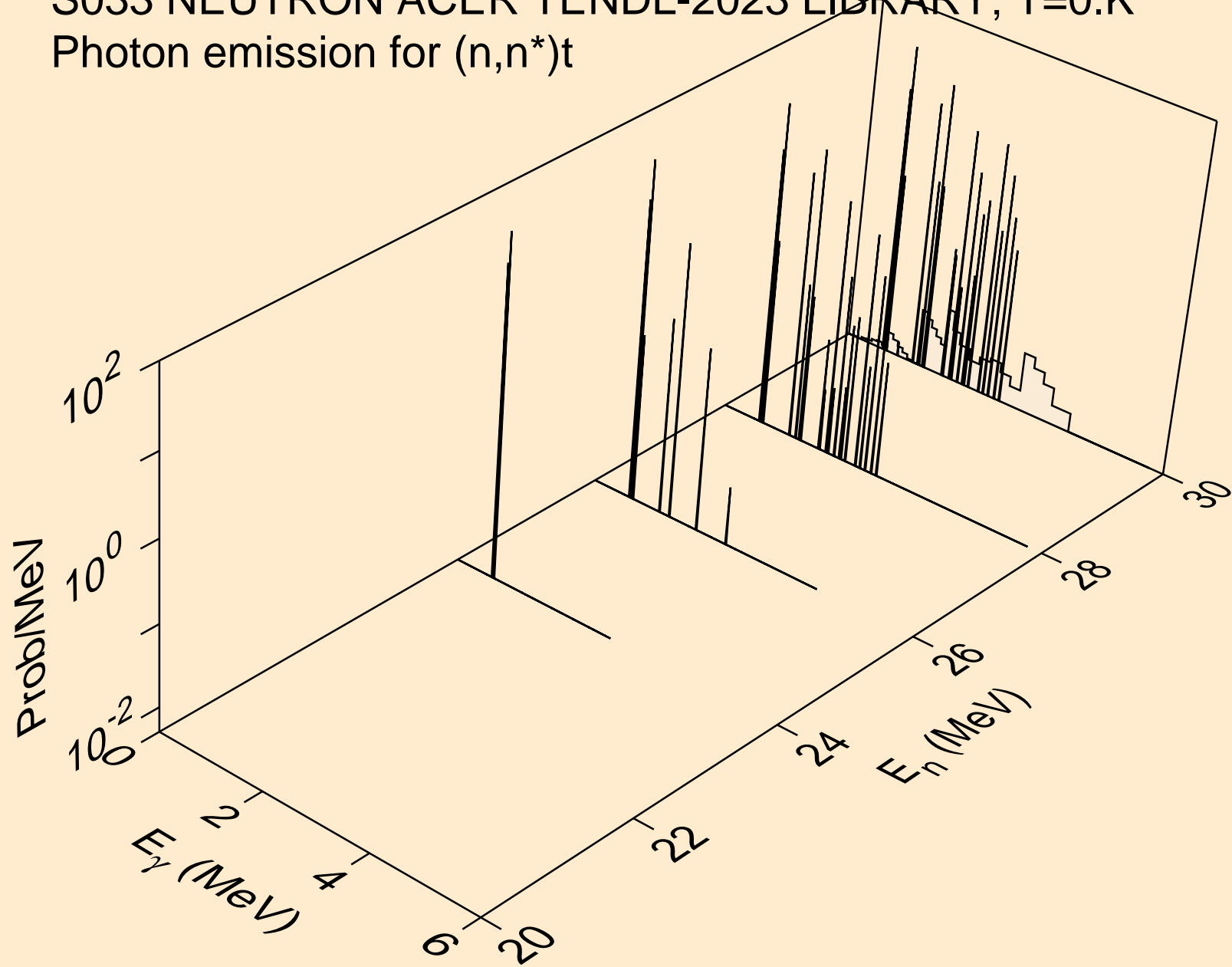
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



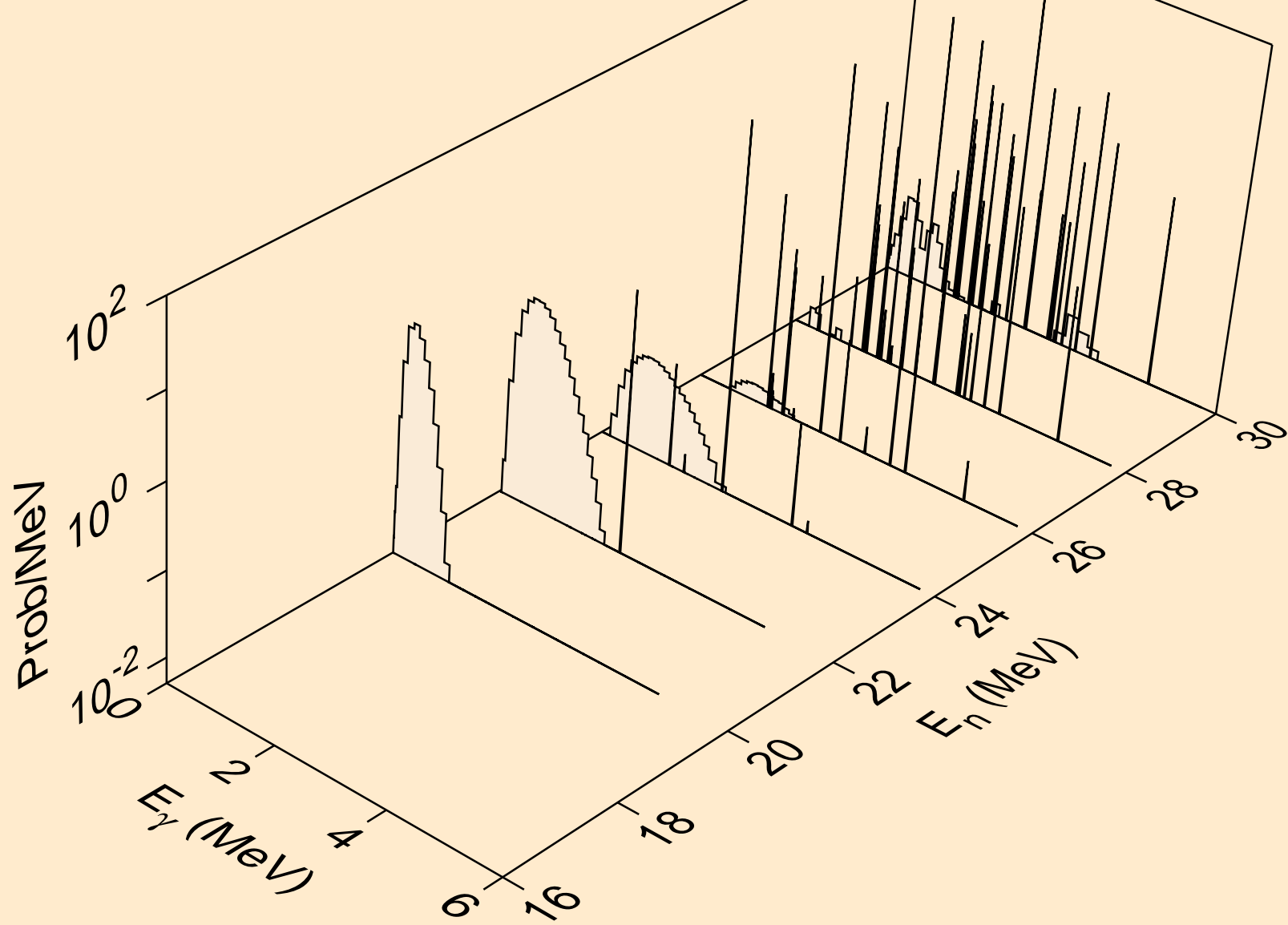
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Photon emission for (n,n\*)d



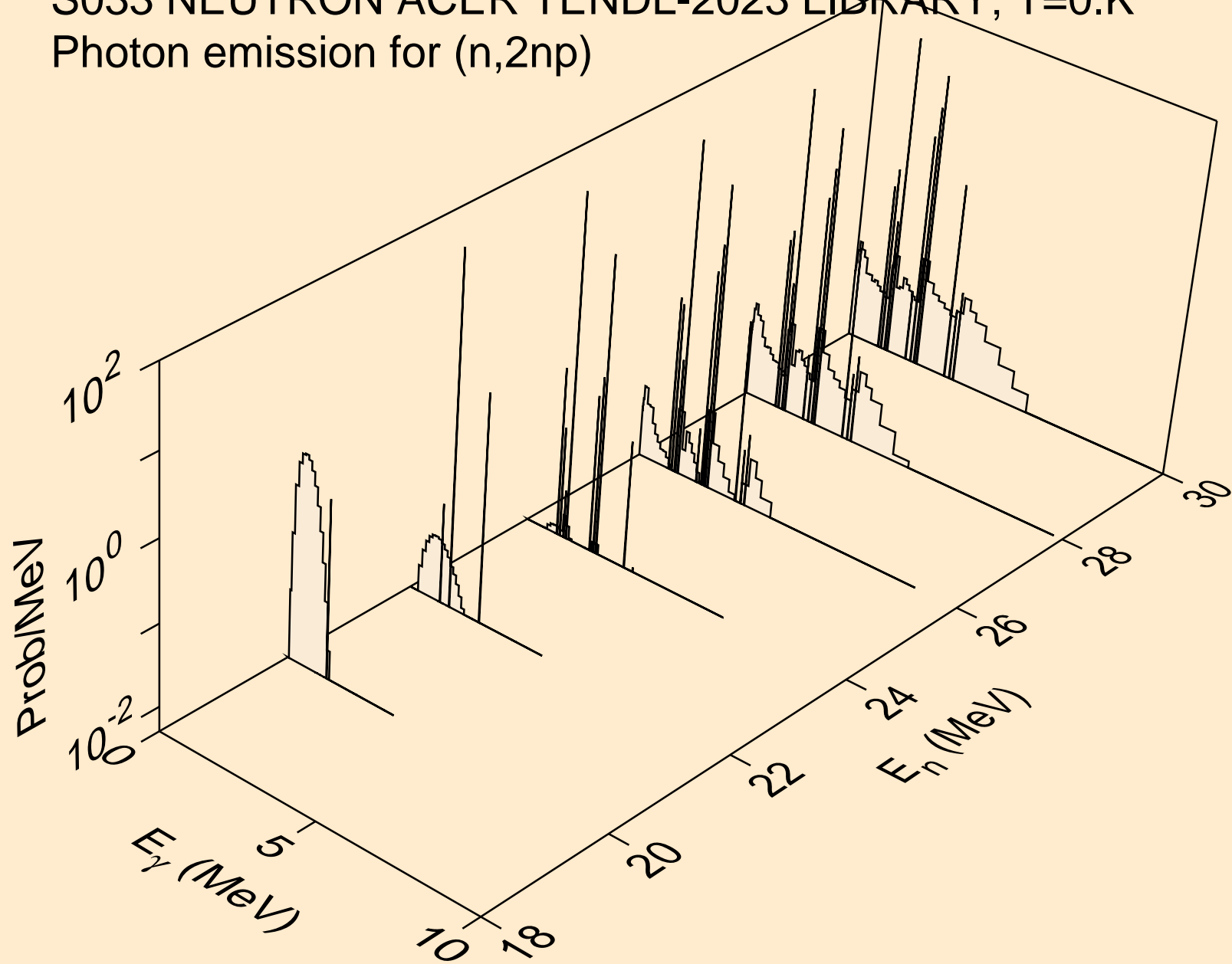
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



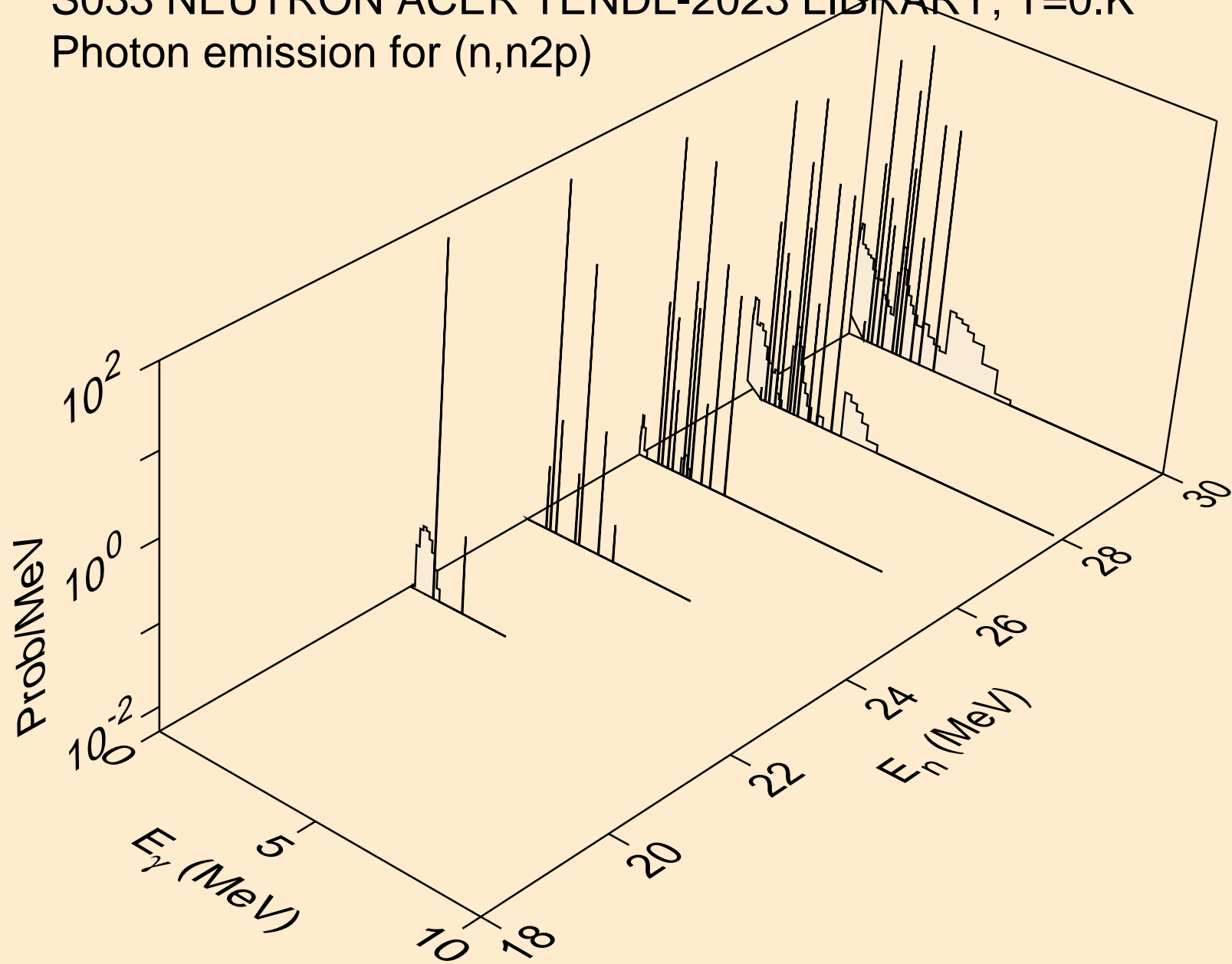
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

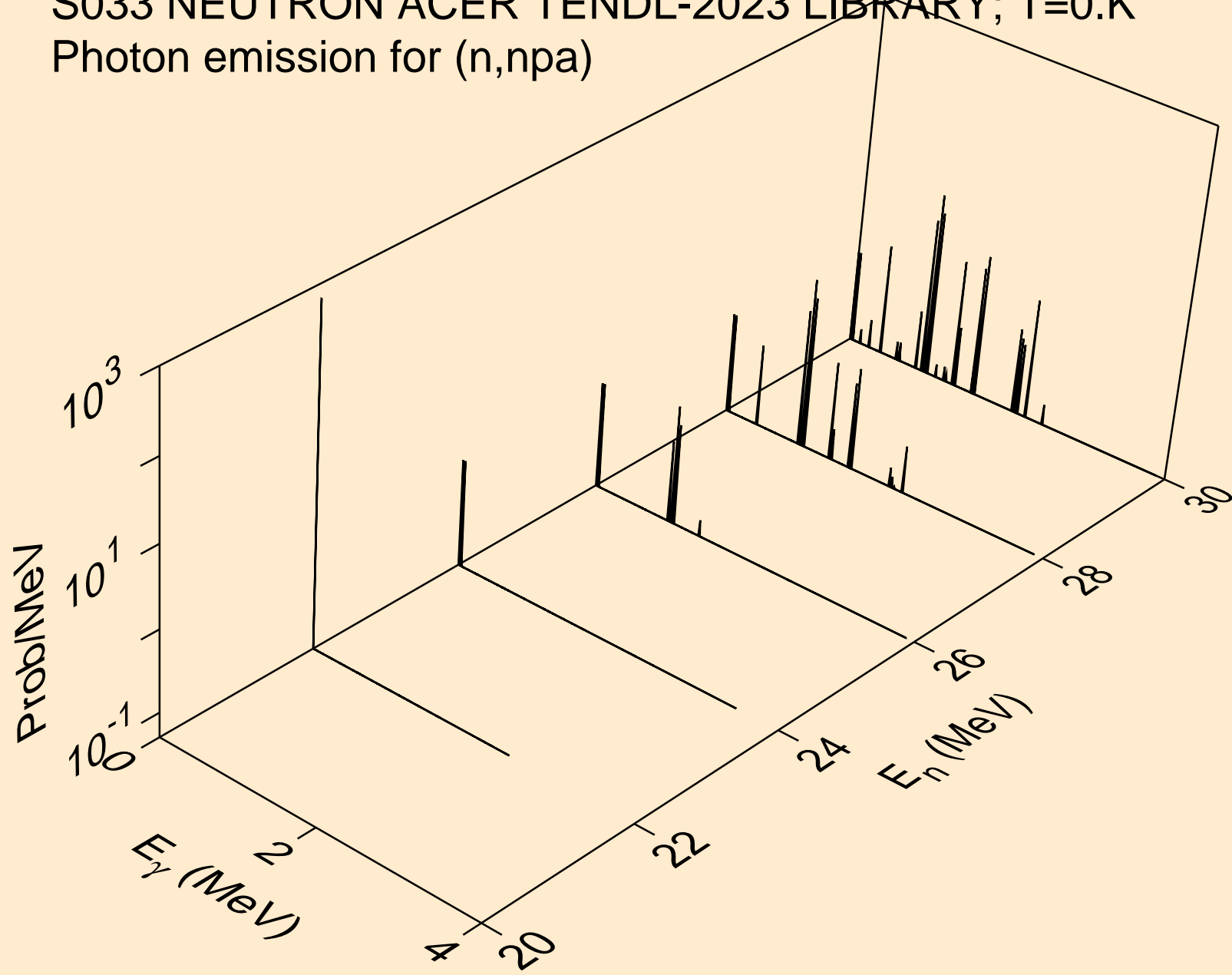


S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)

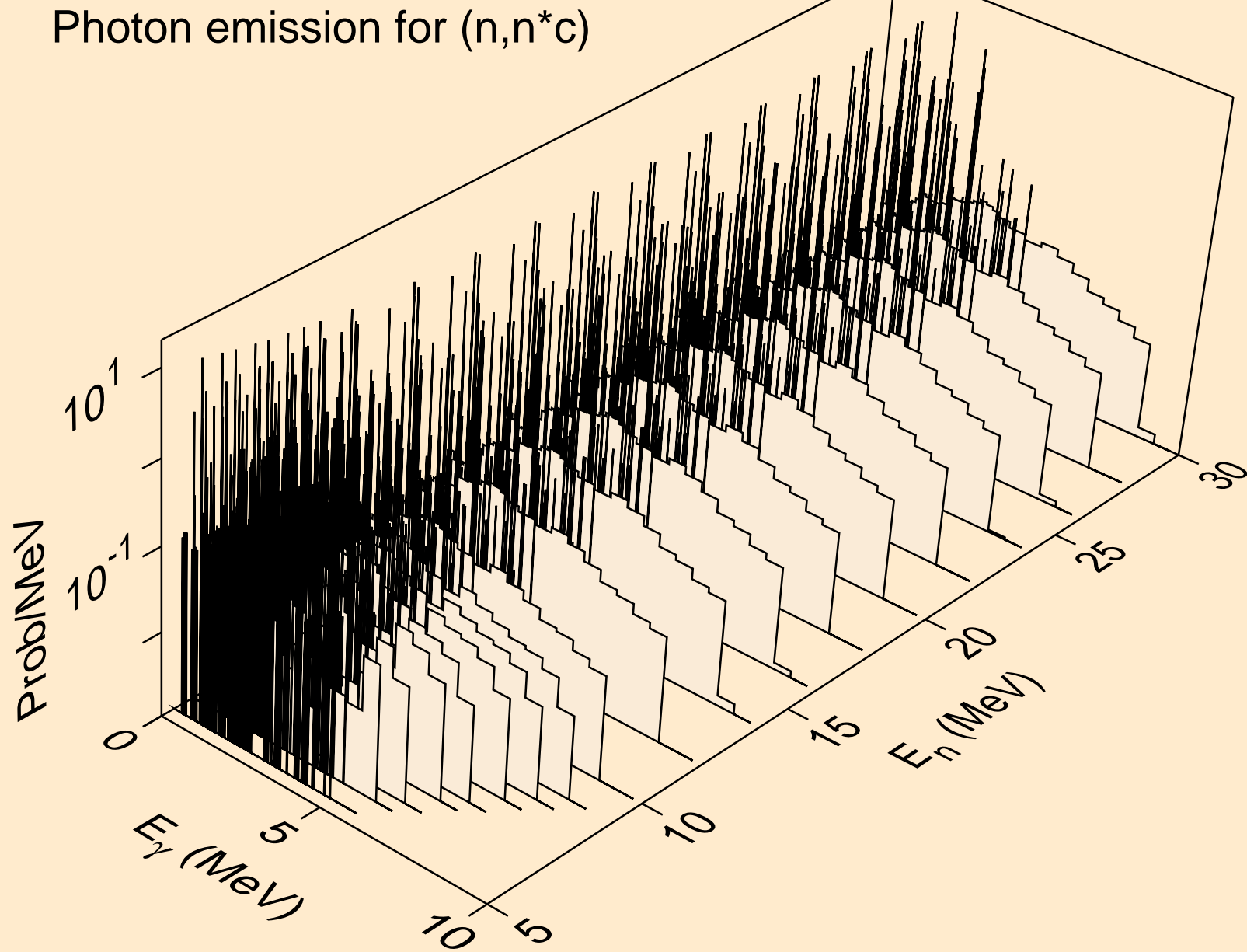




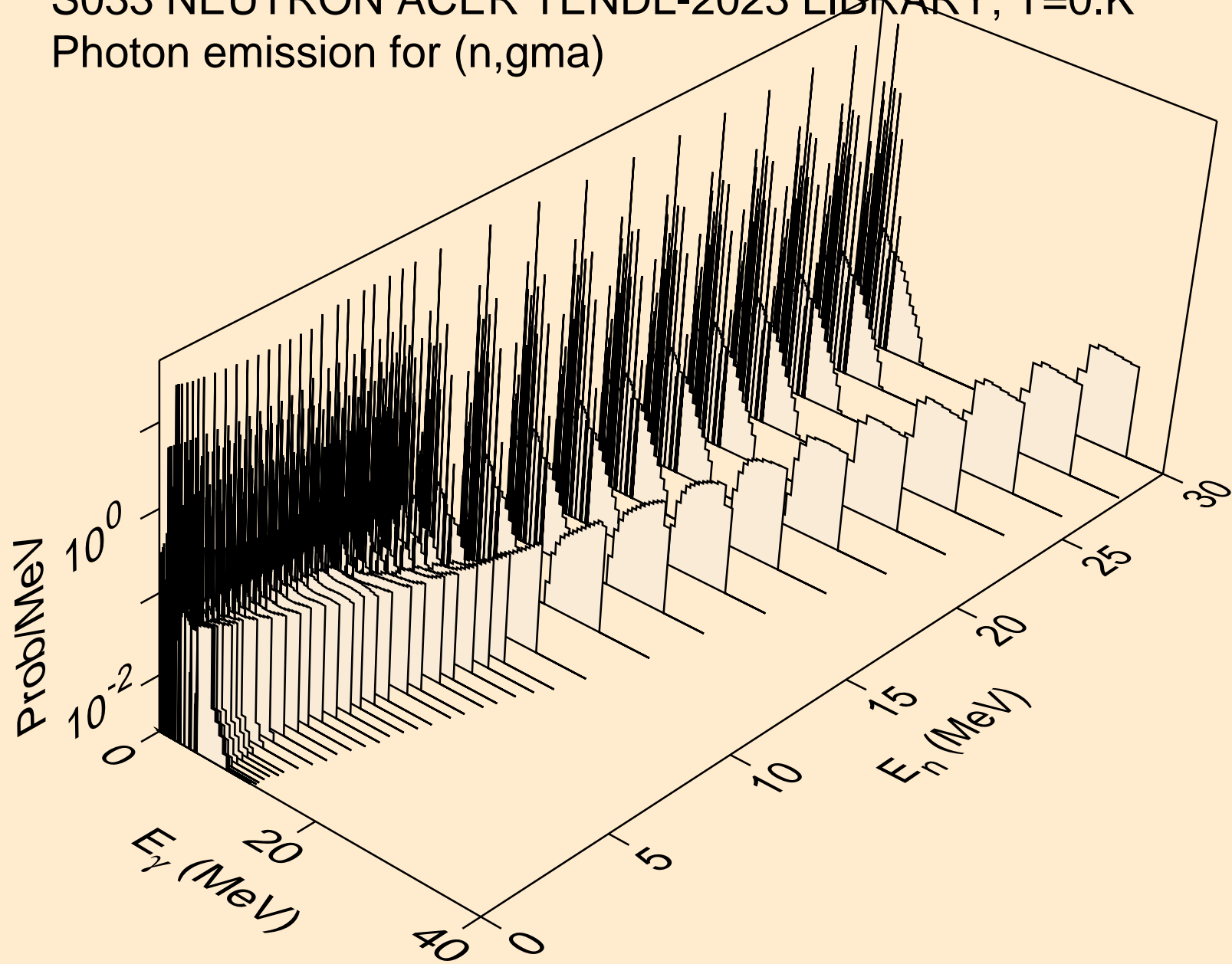
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Photon emission for (n,npa)



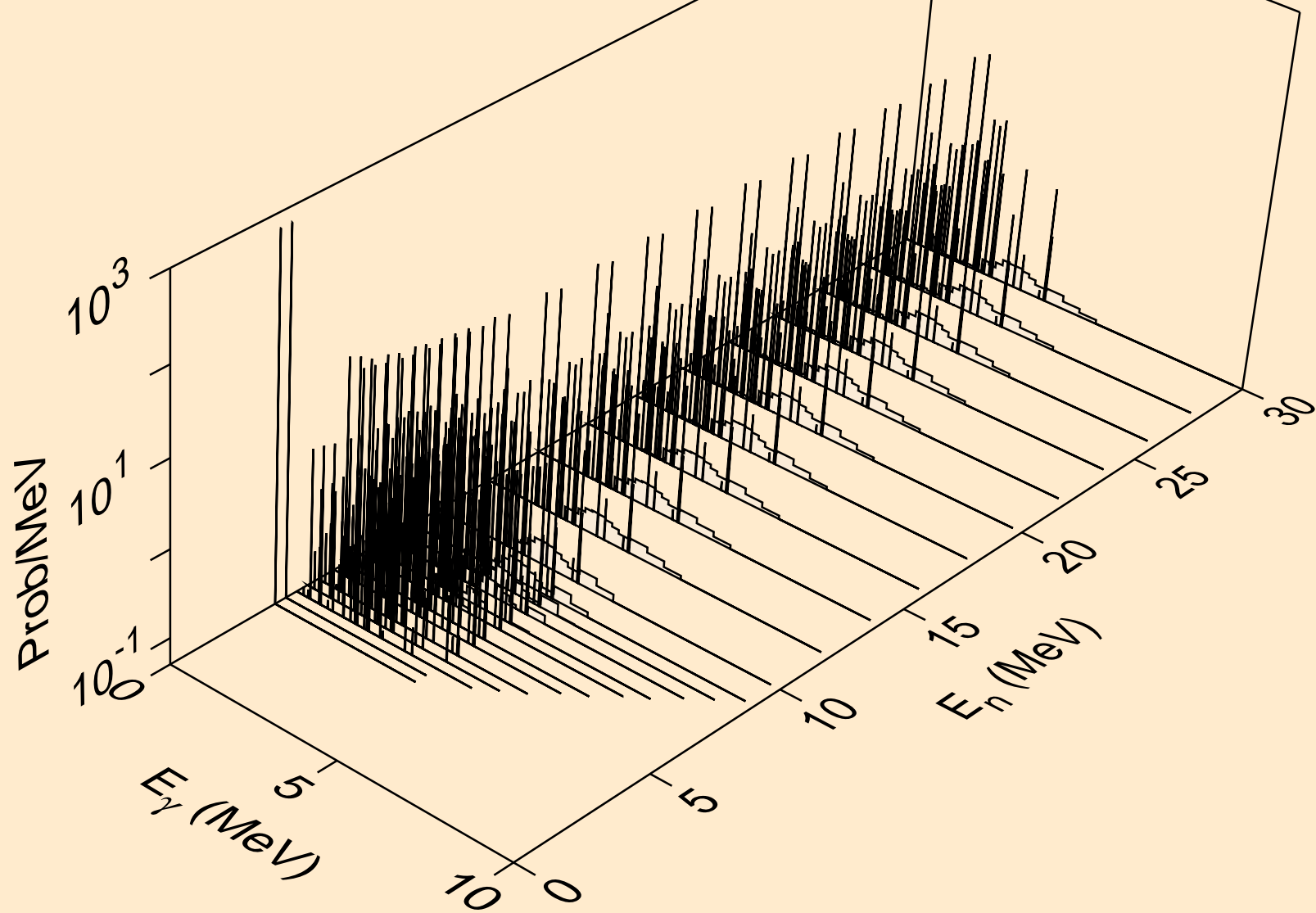
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



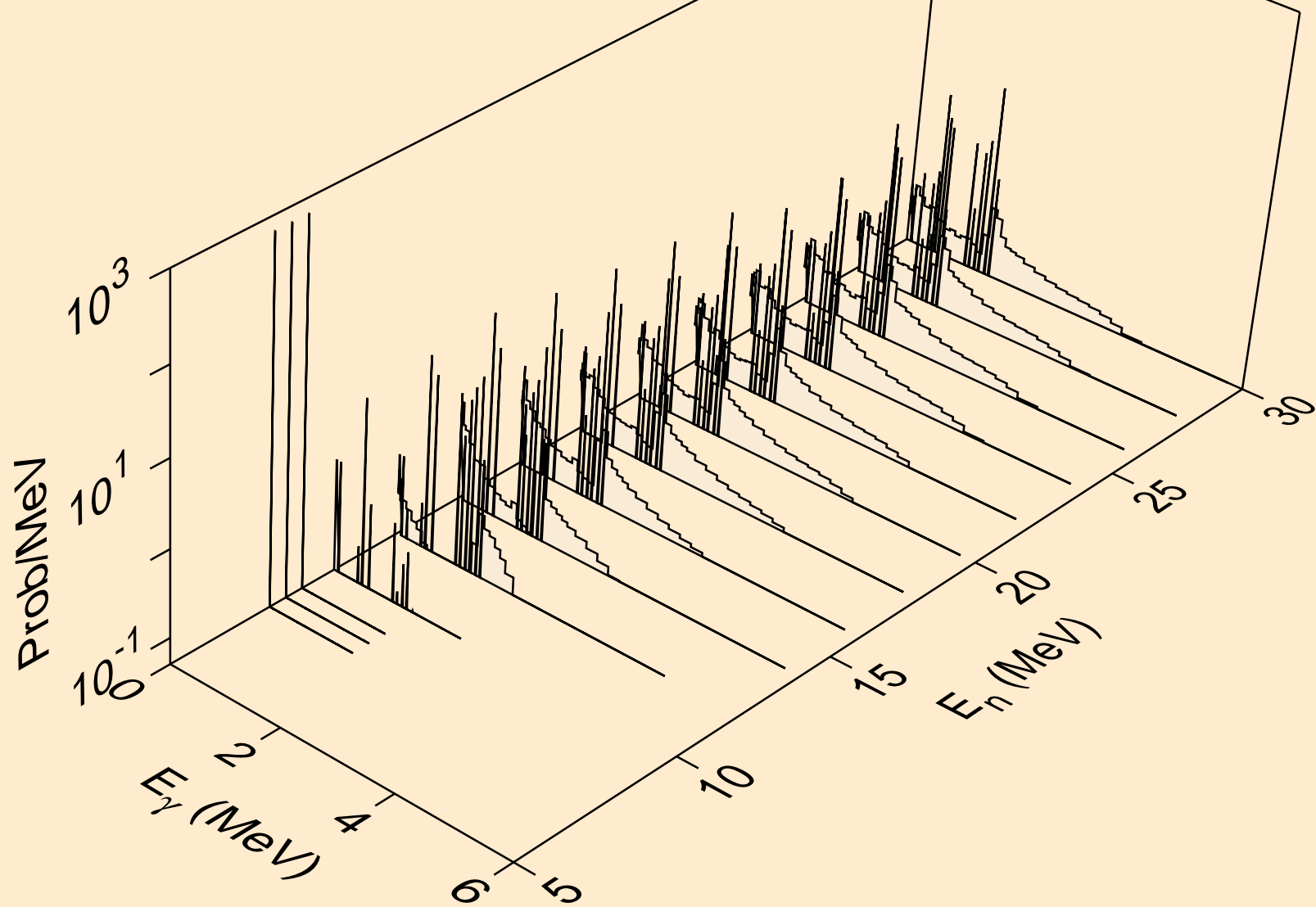
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Photon emission for (n,gma)



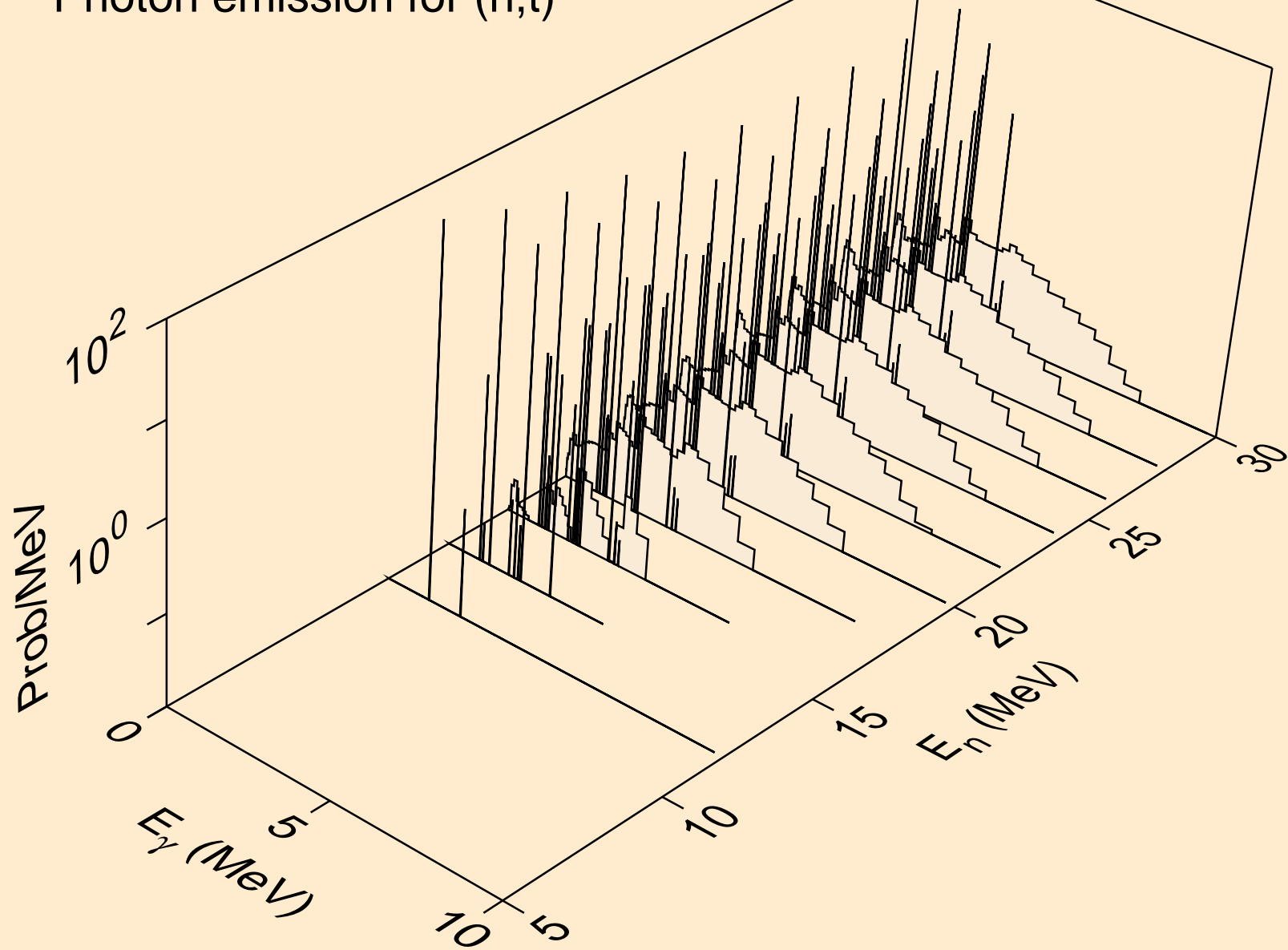
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Photon emission for (n,p)



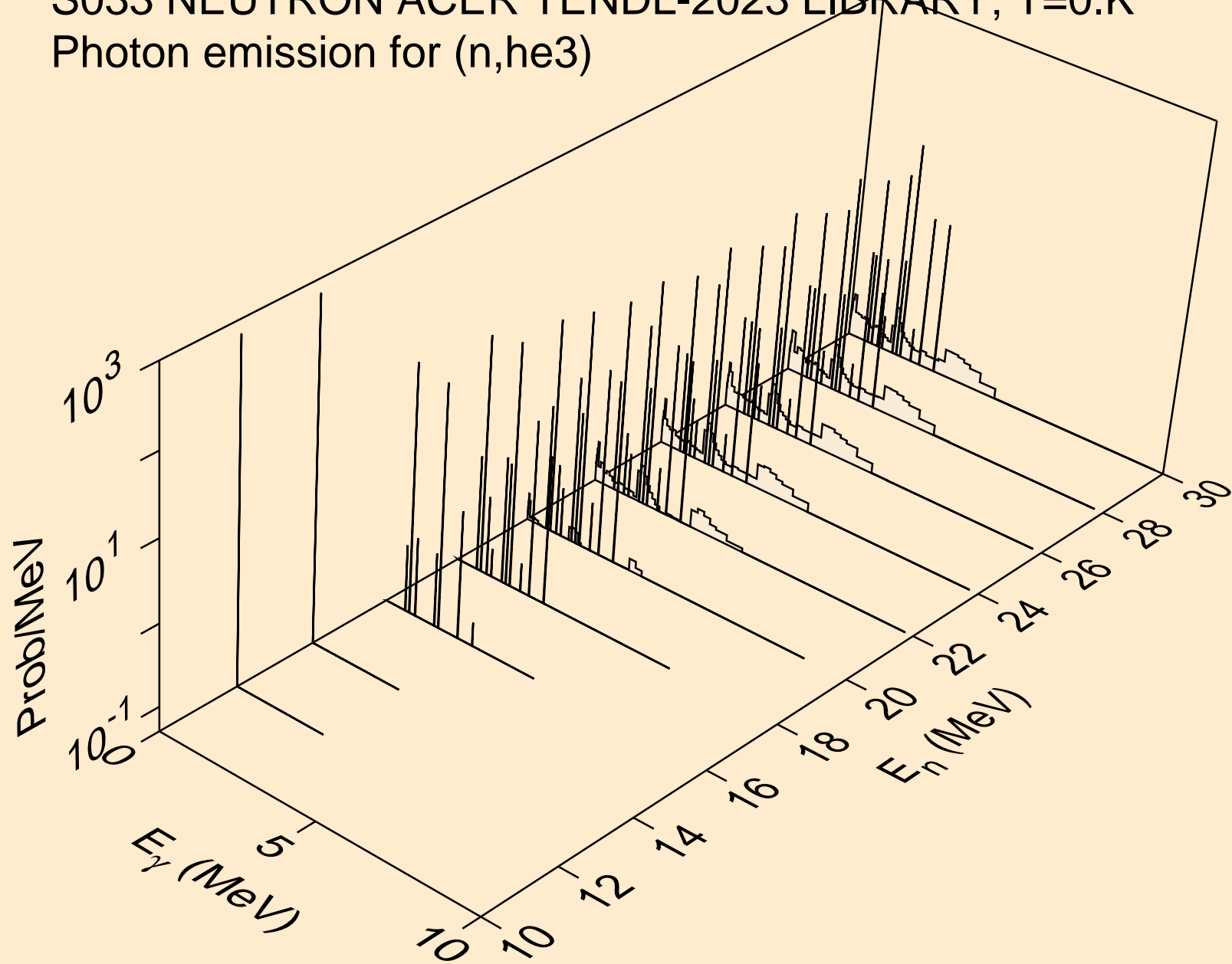
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Photon emission for (n,d)



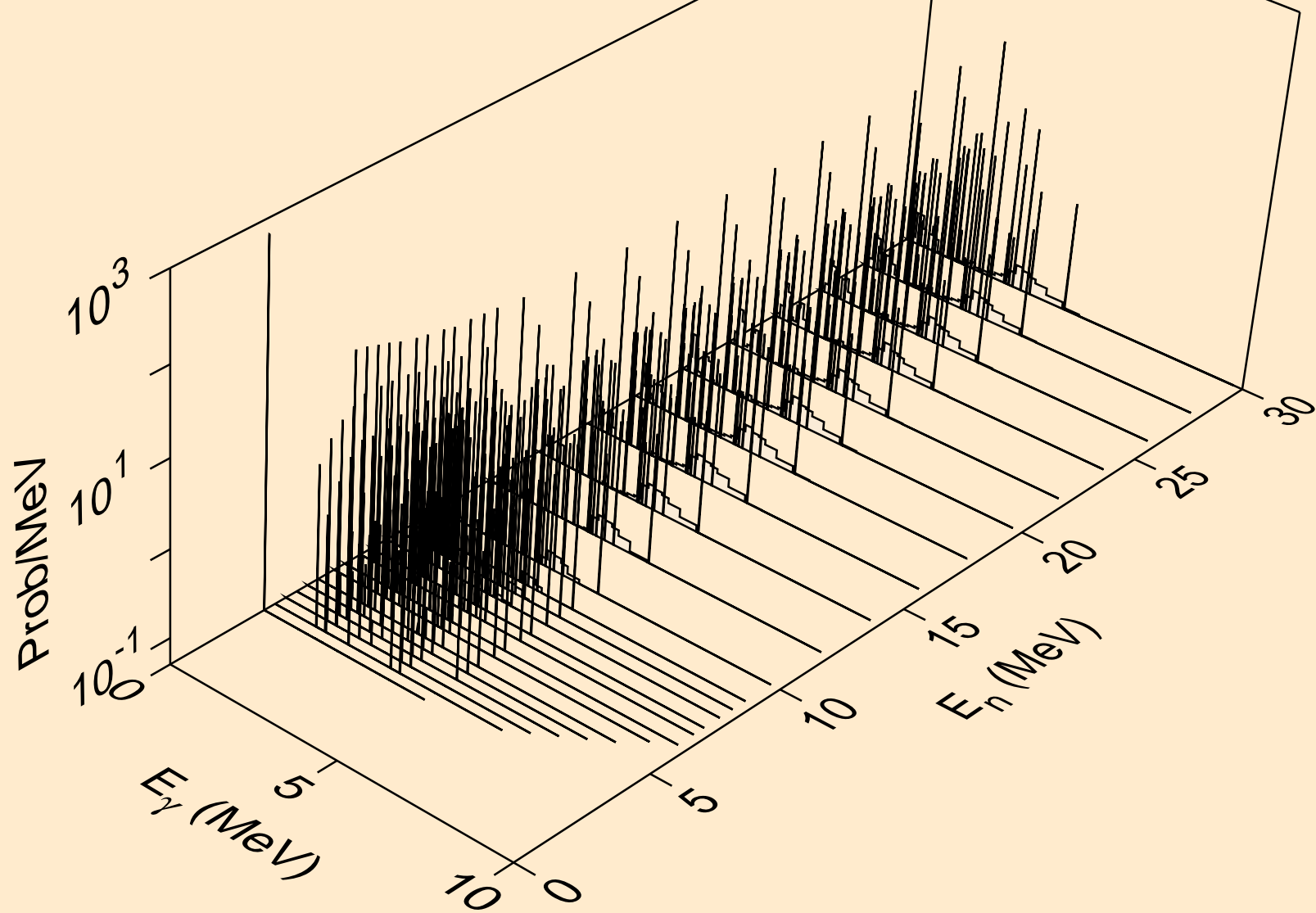
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)

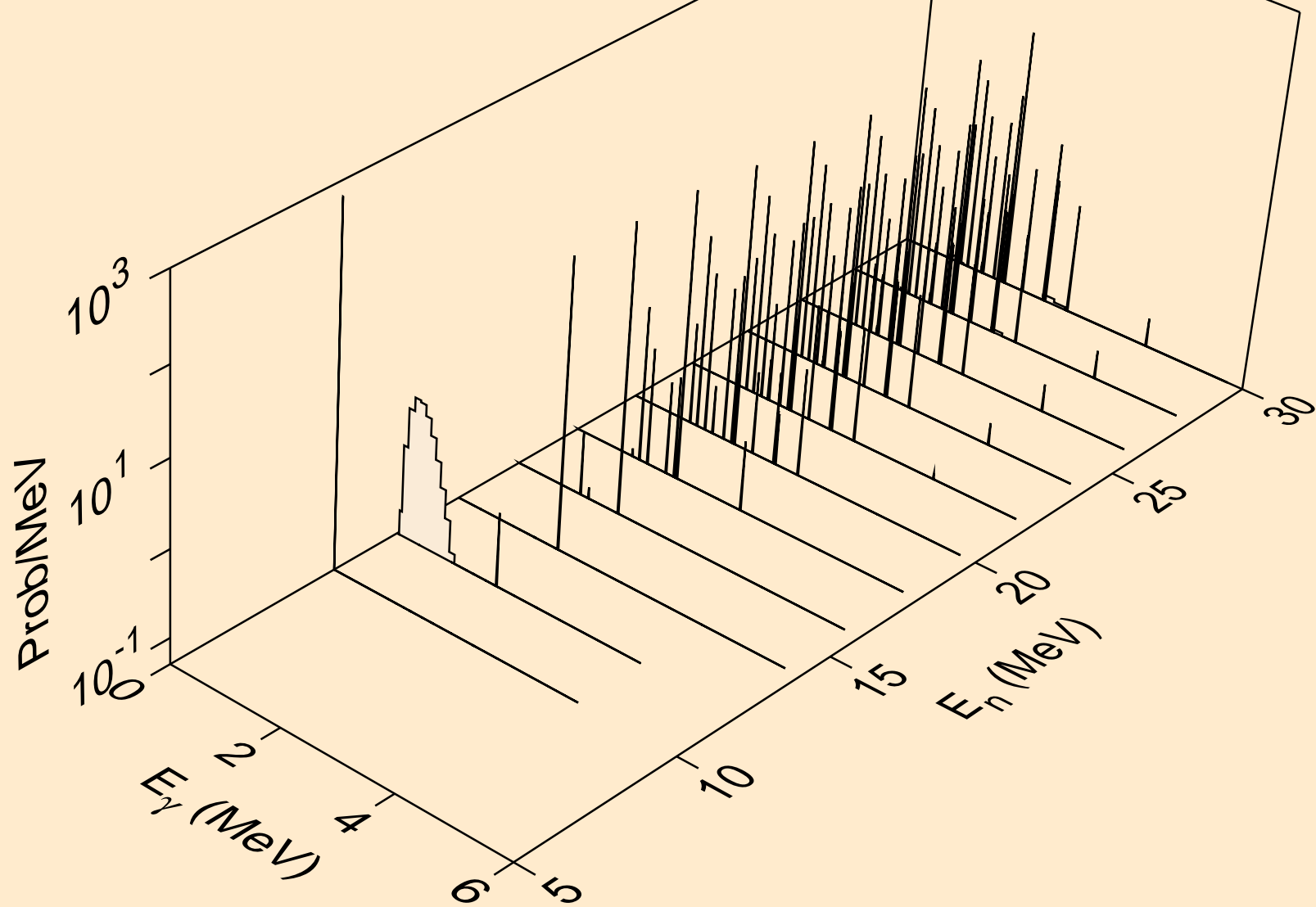


S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

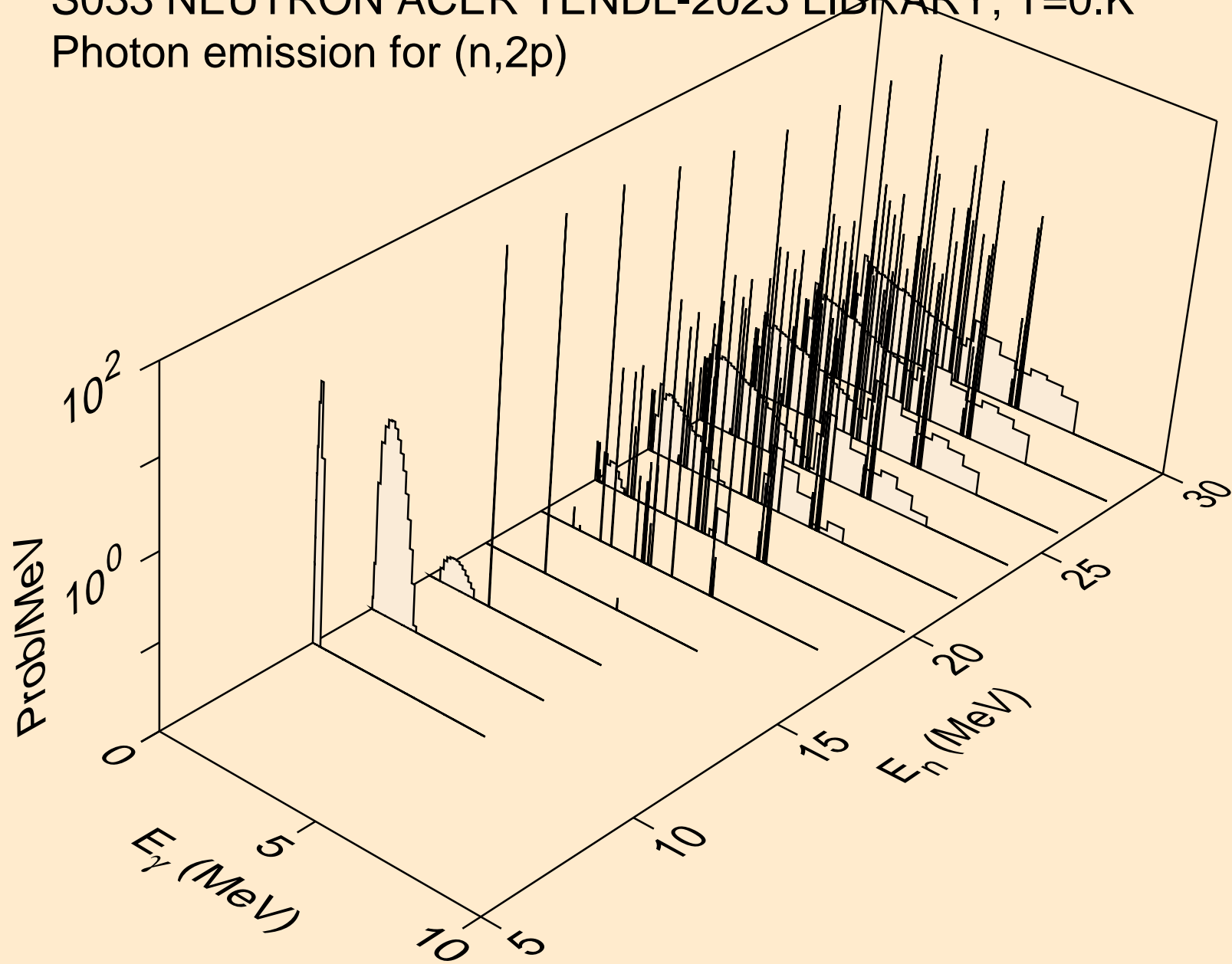




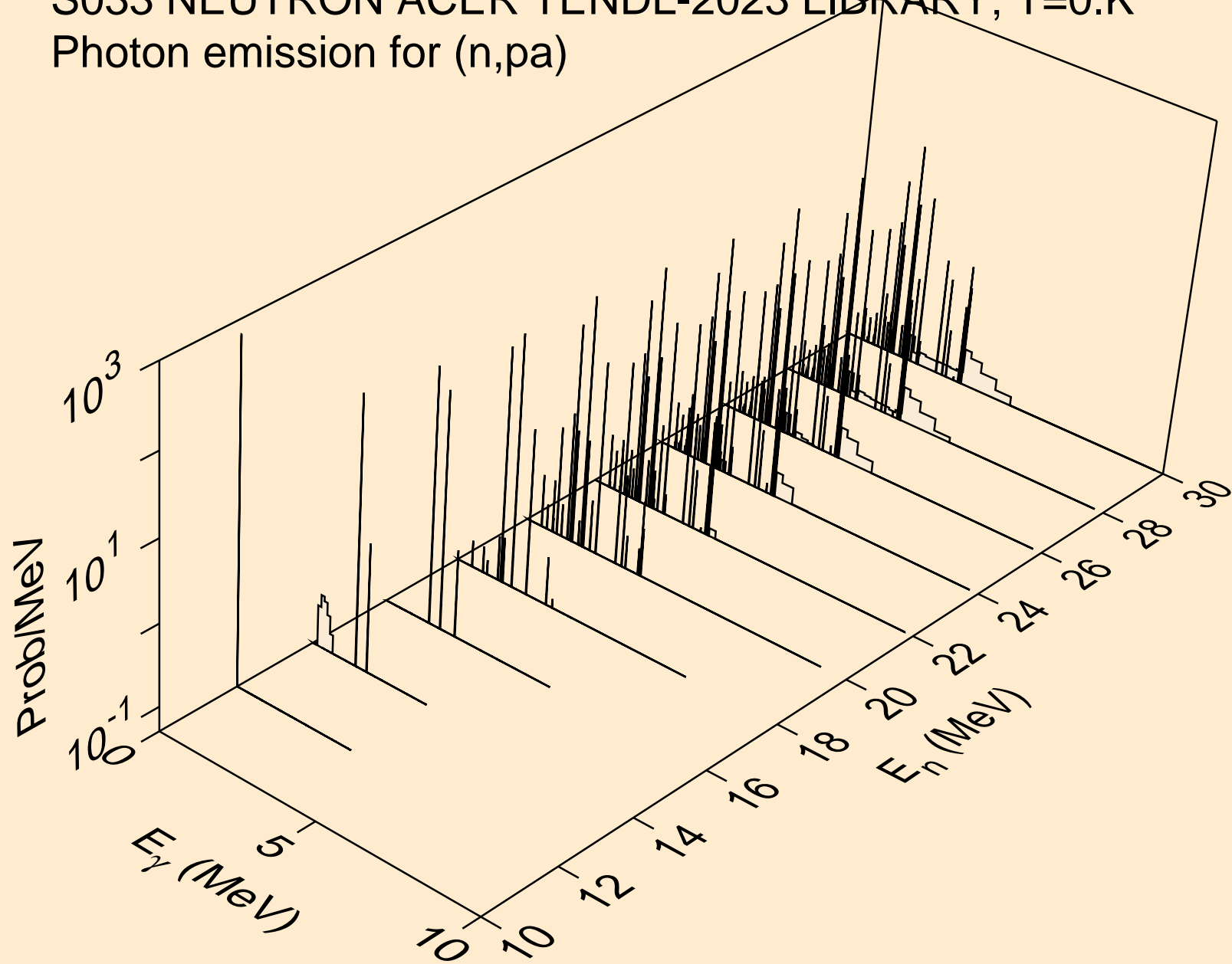
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Photon emission for (n,2a)



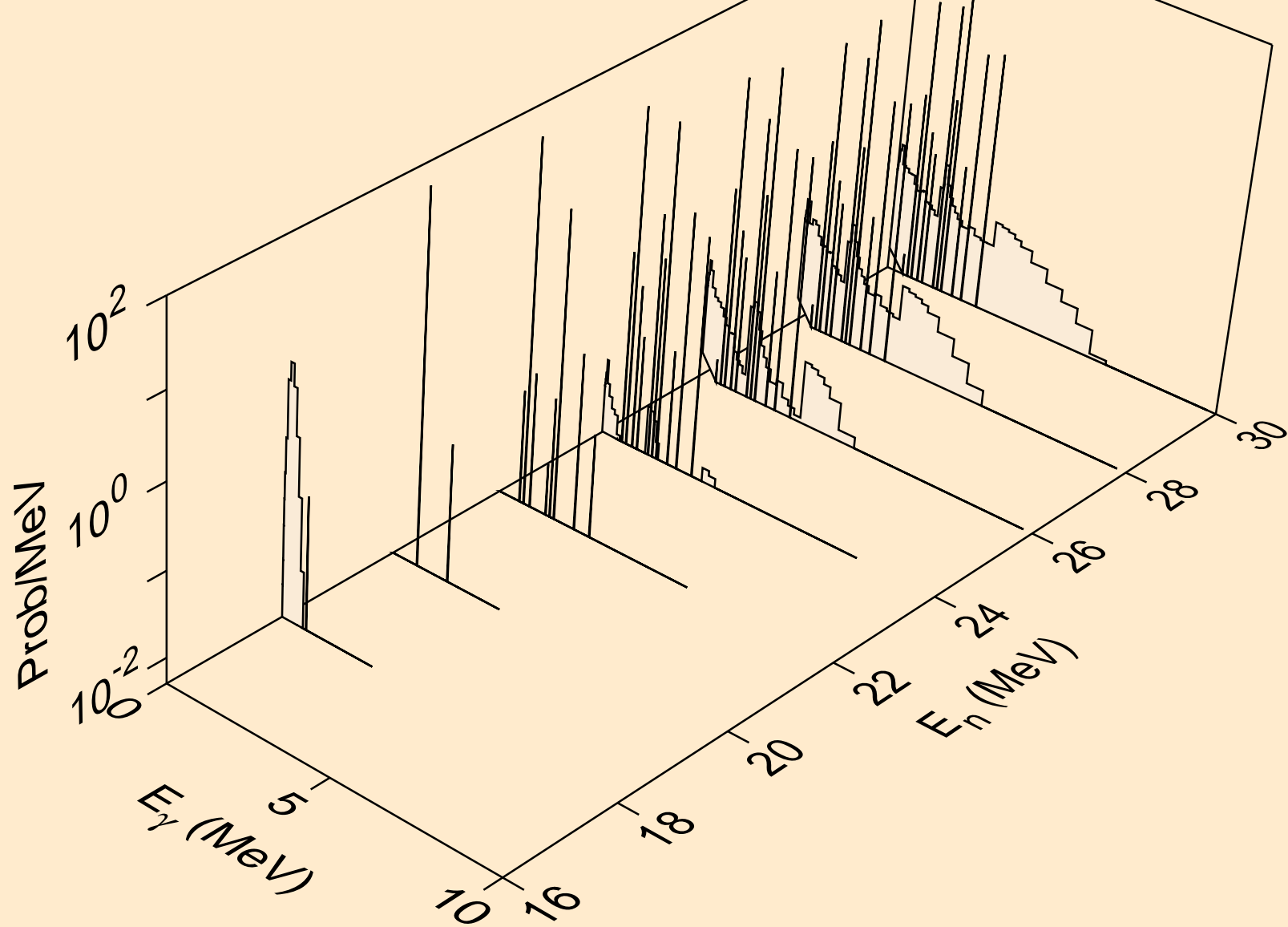
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Photon emission for (n,2p)



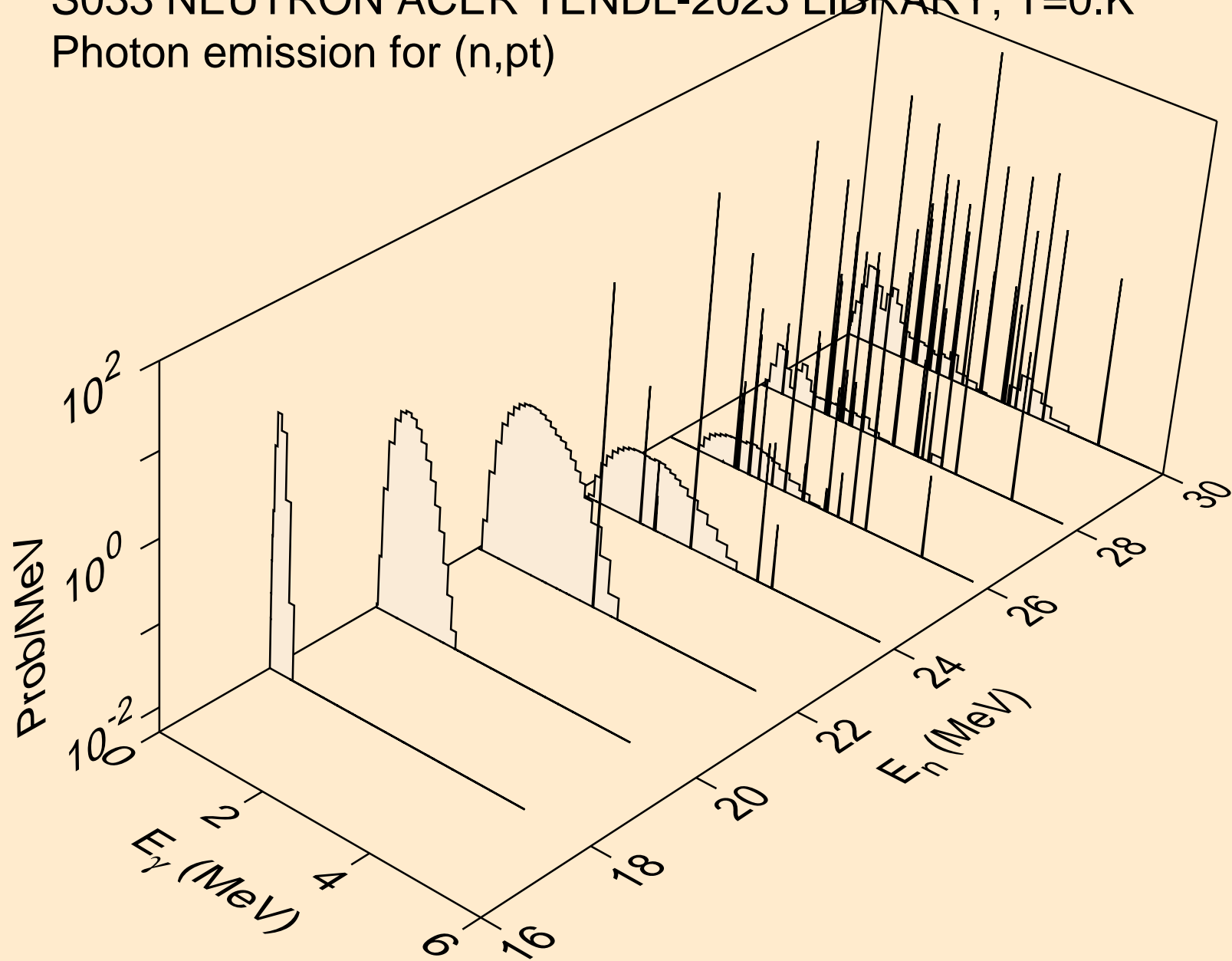
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Photon emission for (n,p $\alpha$ )



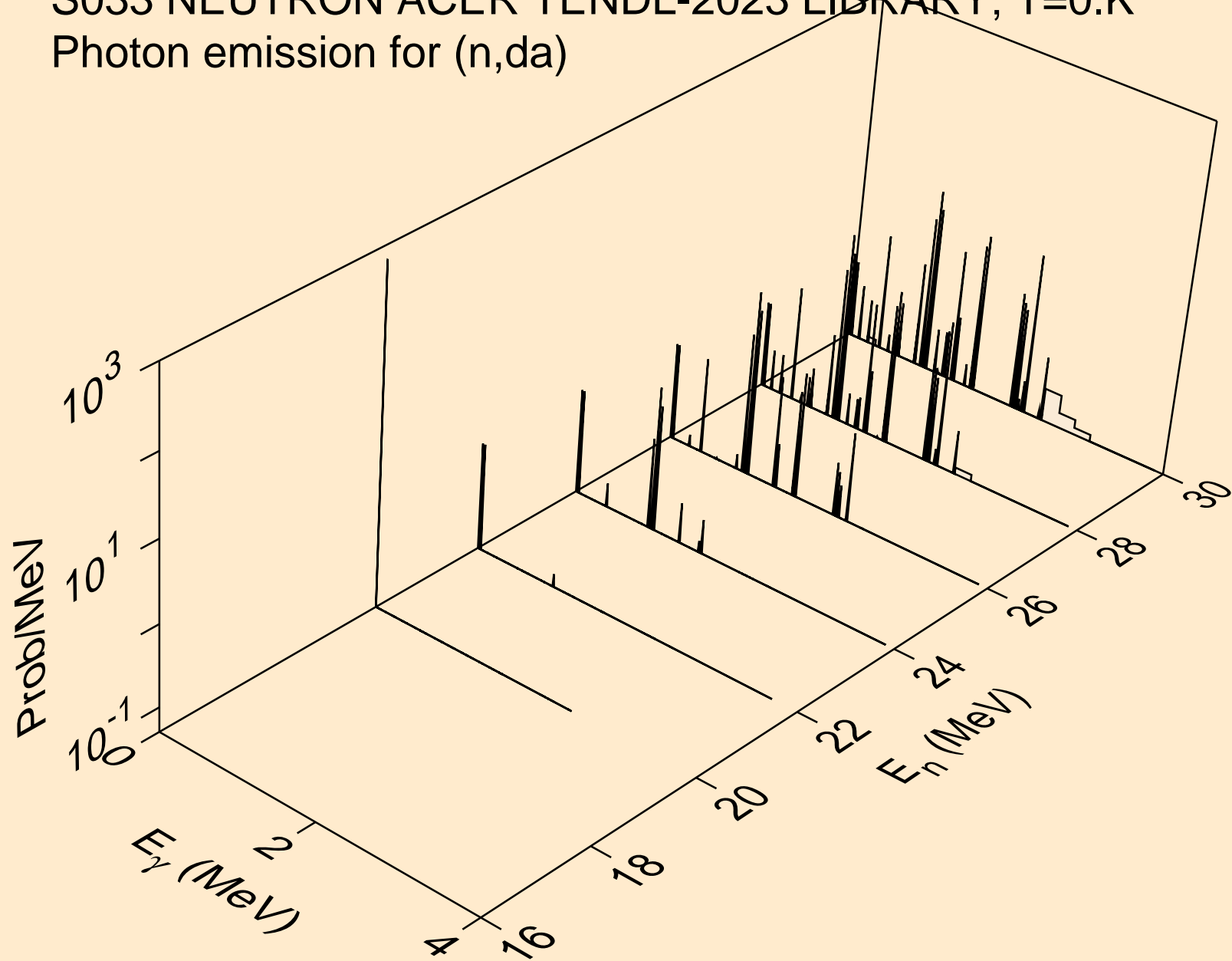
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



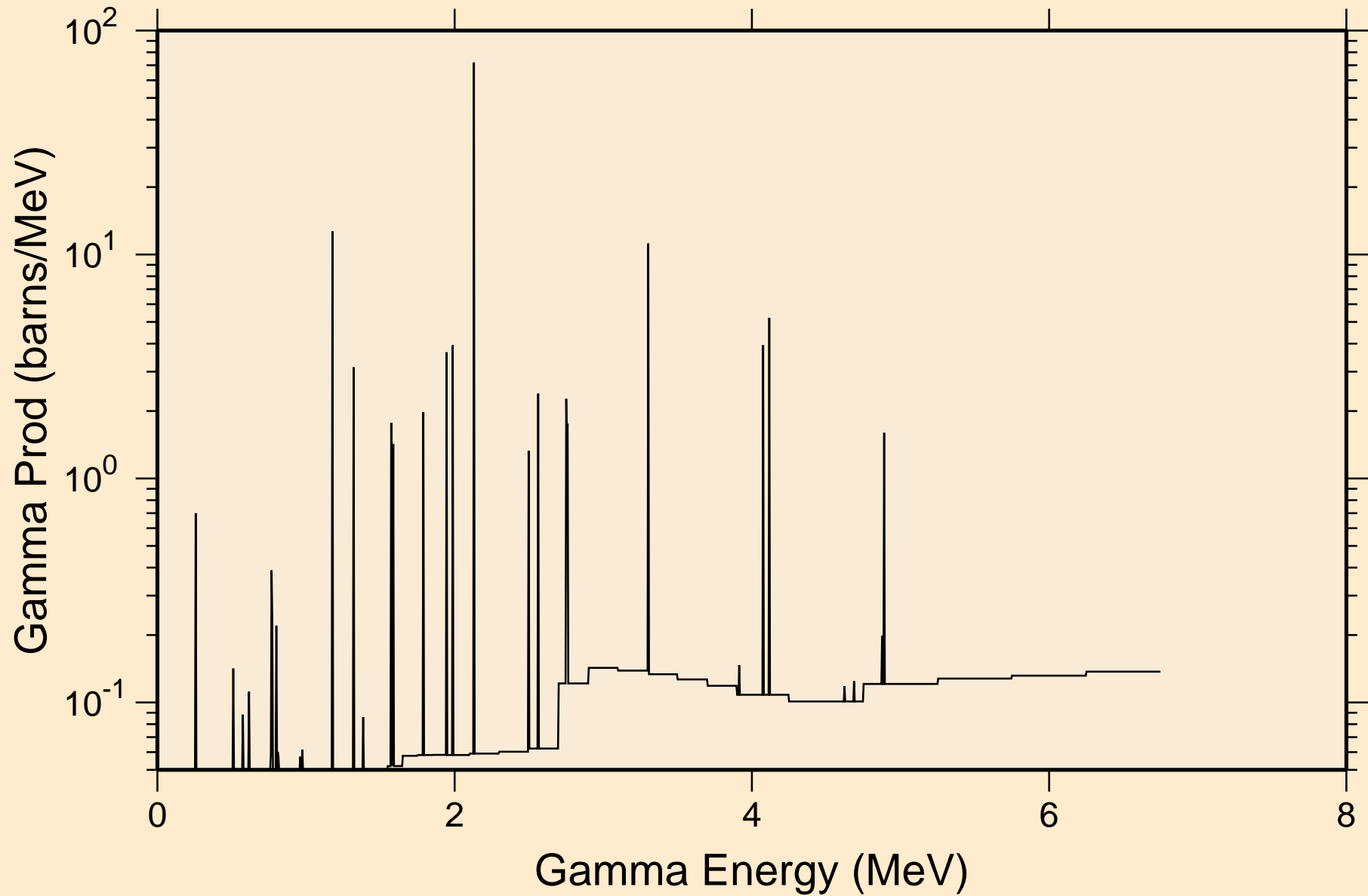
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Photon emission for (n,pt)



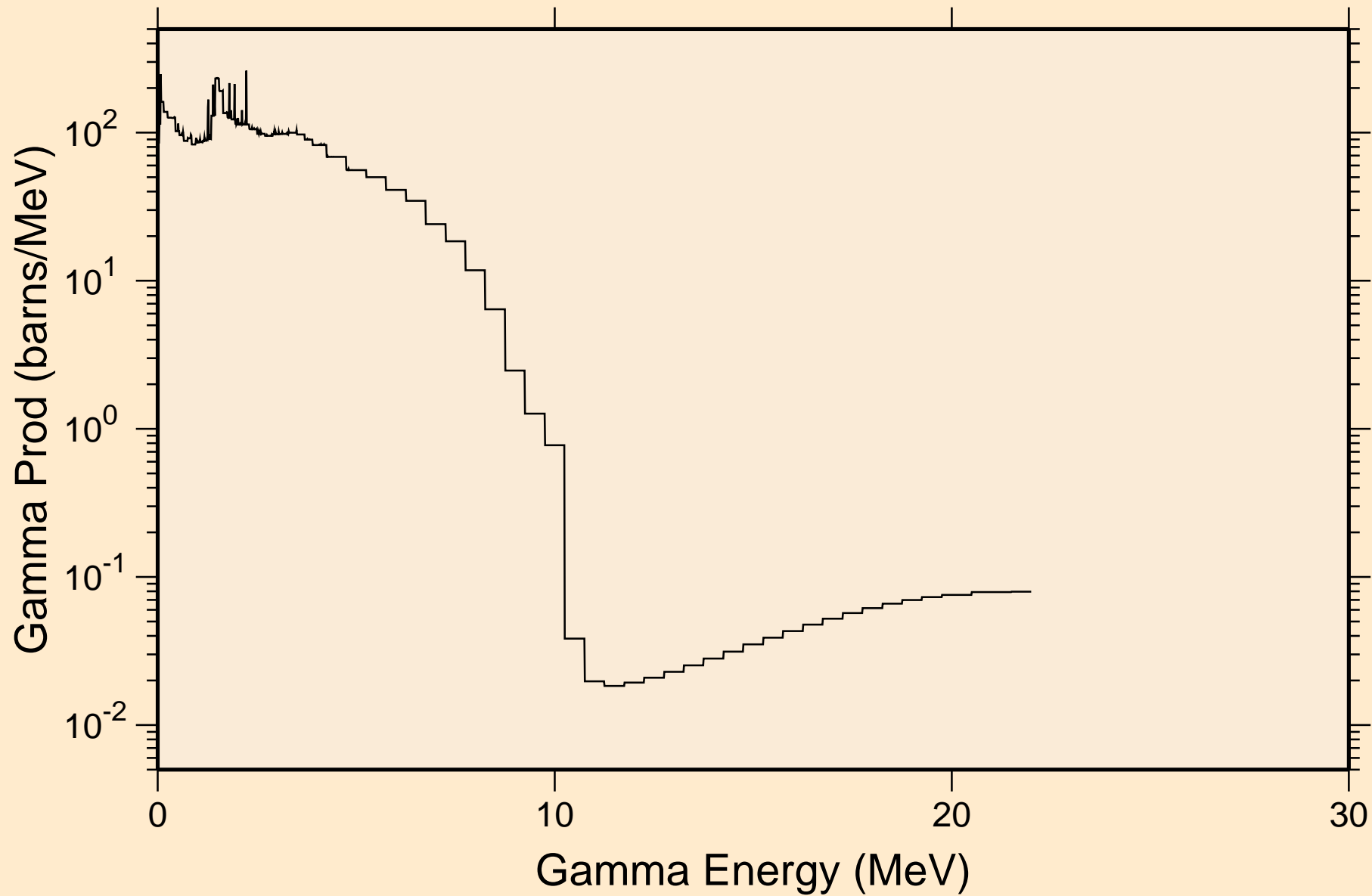
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum



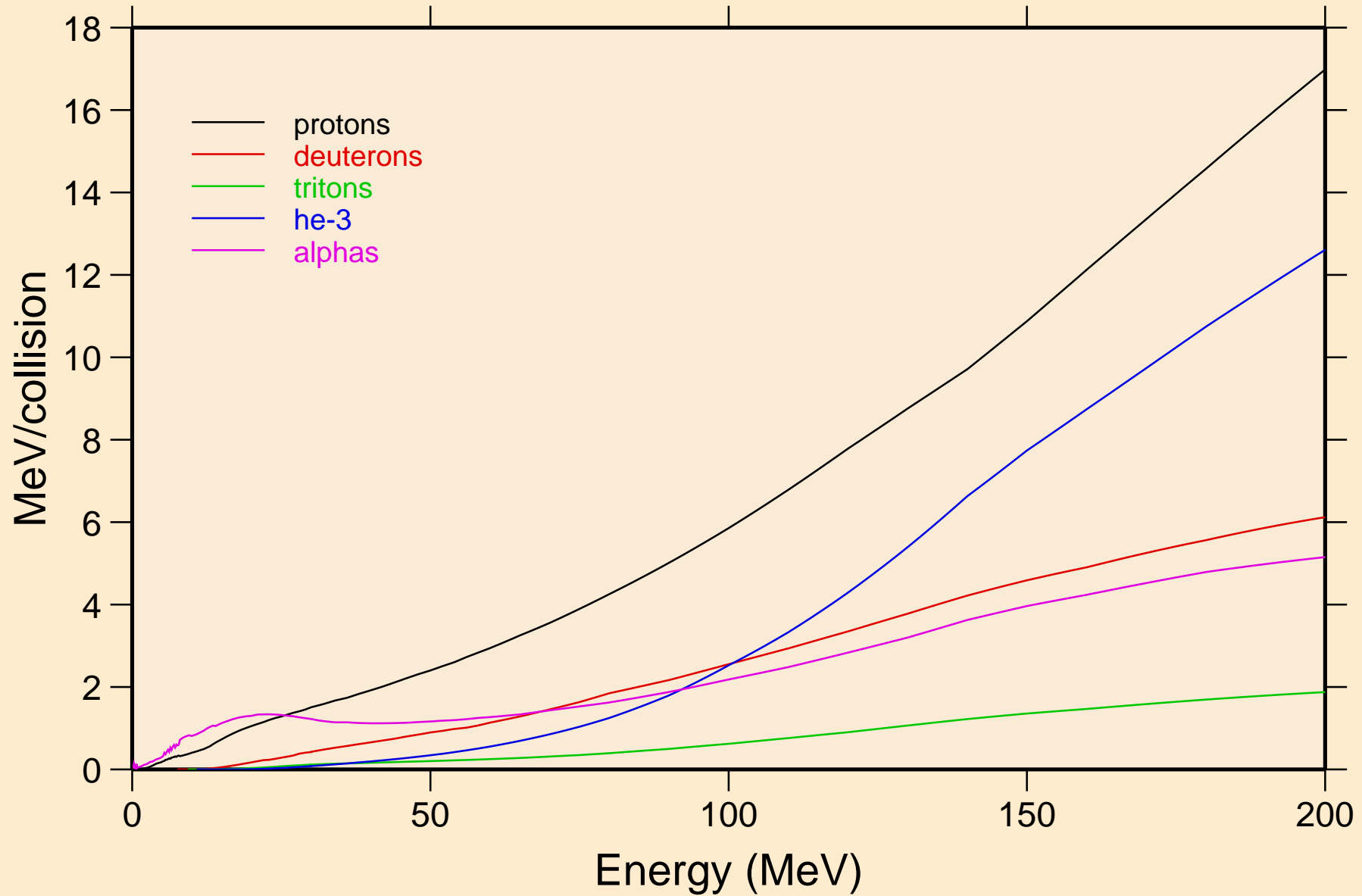
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14 MeV photon spectrum



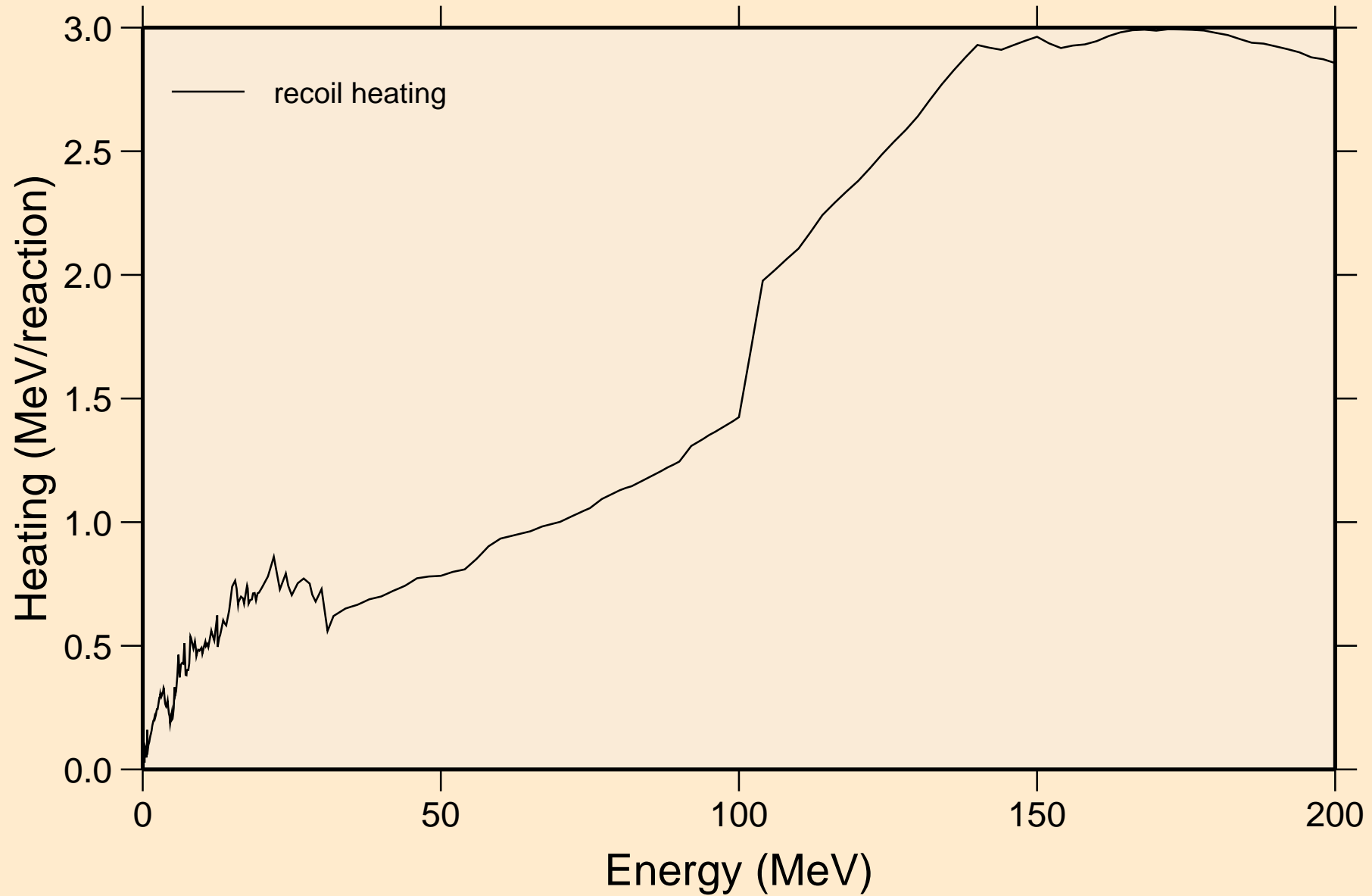


# S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

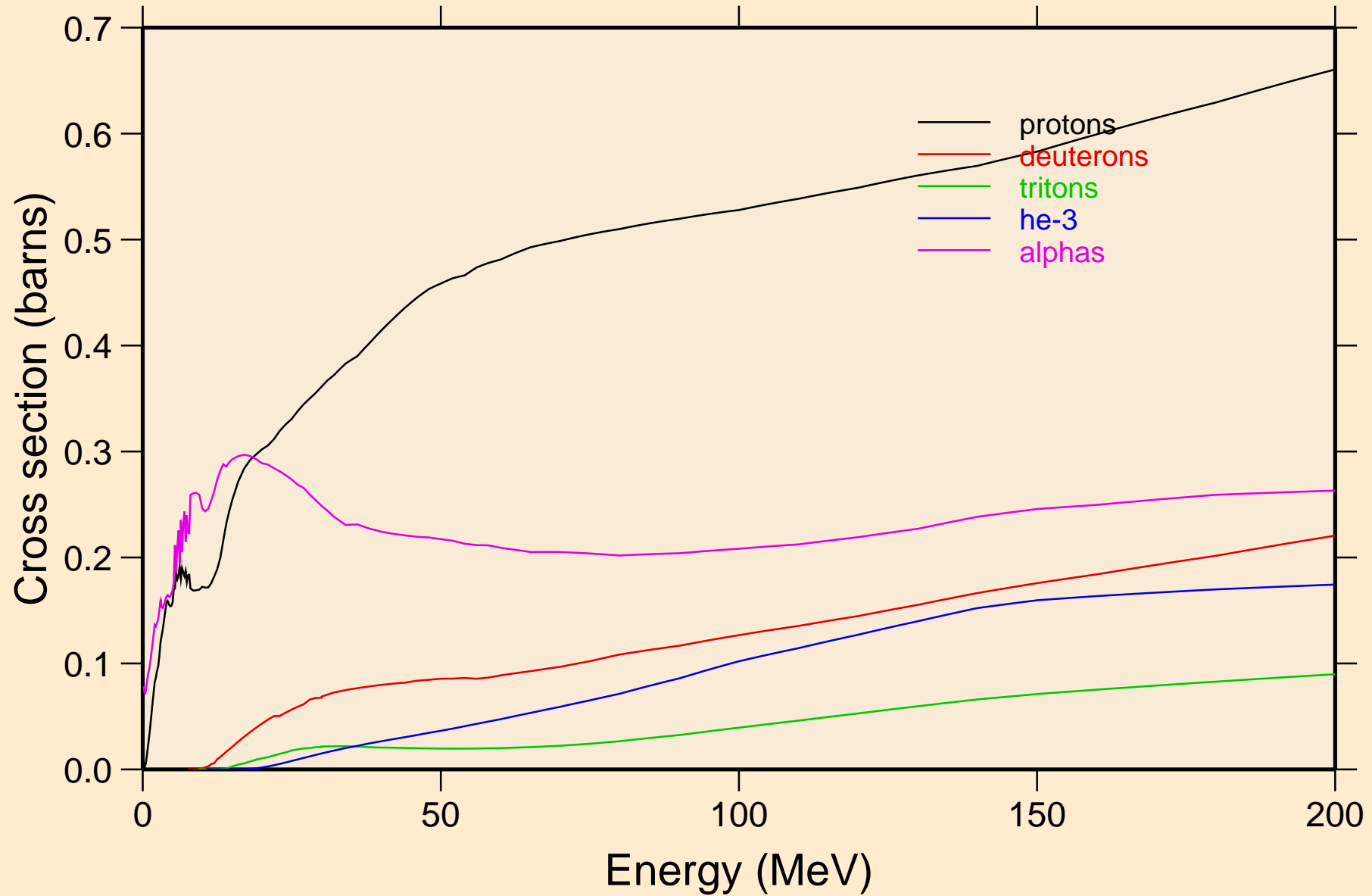


S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

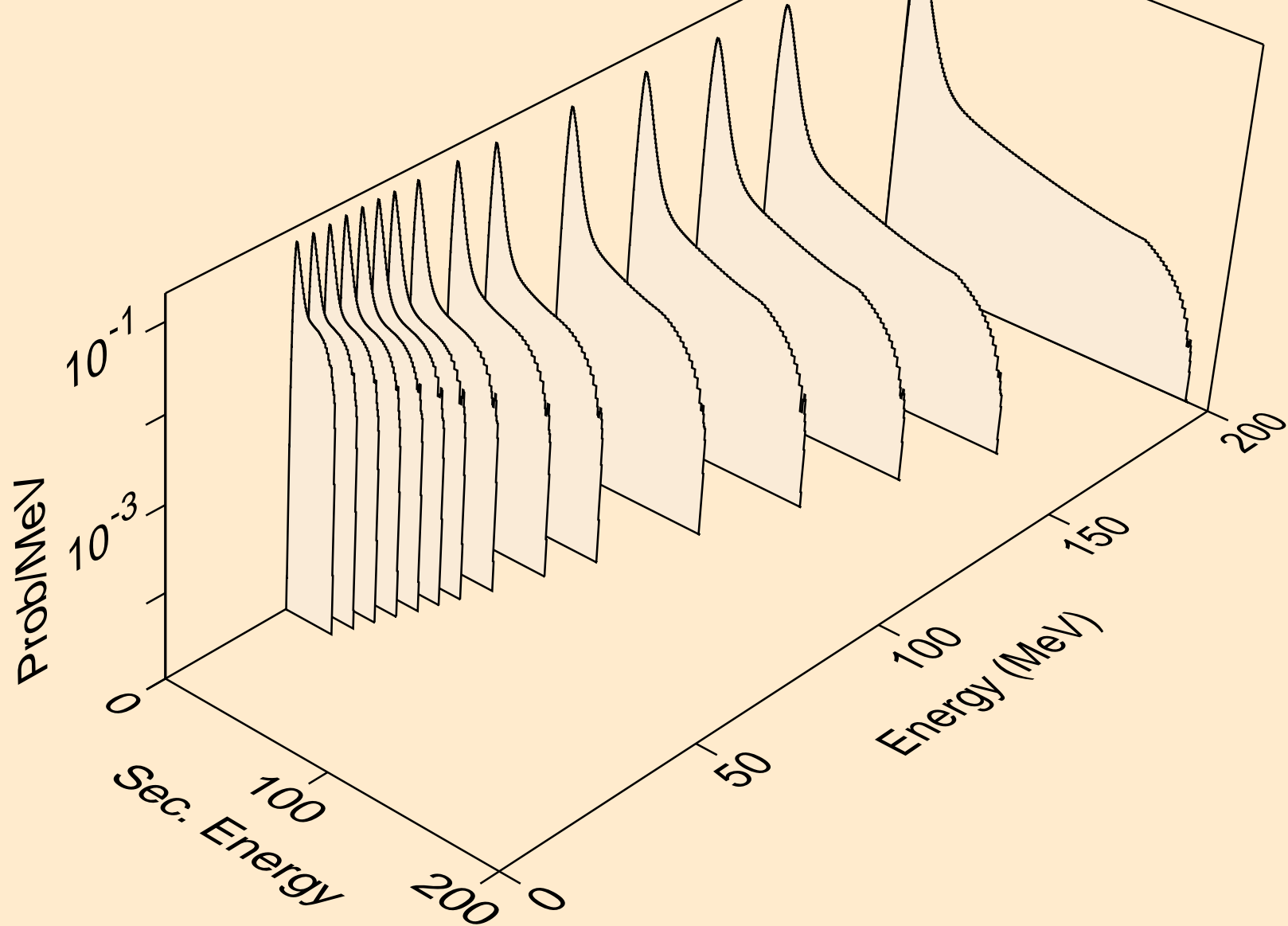


# S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

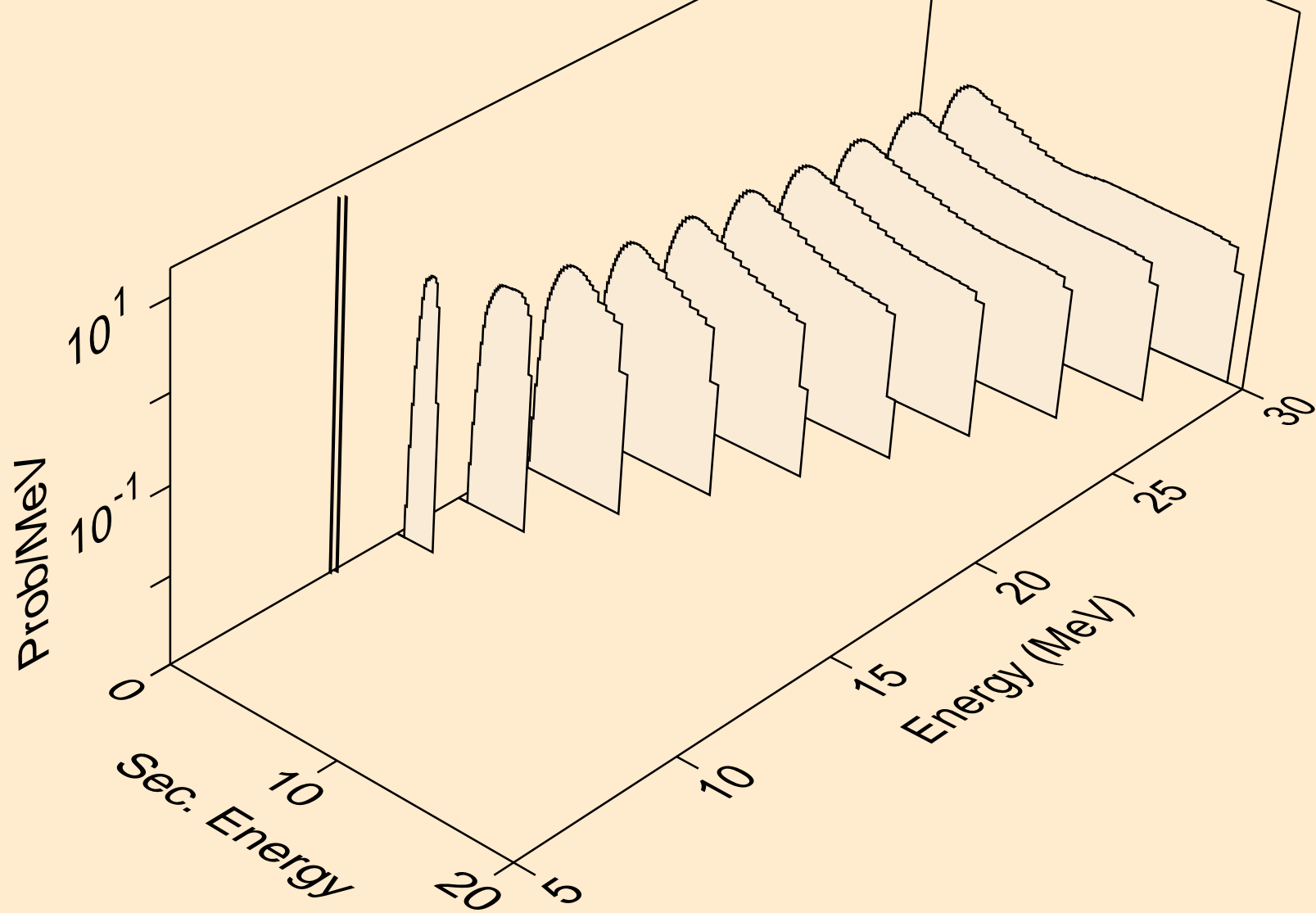
## Particle production cross sections



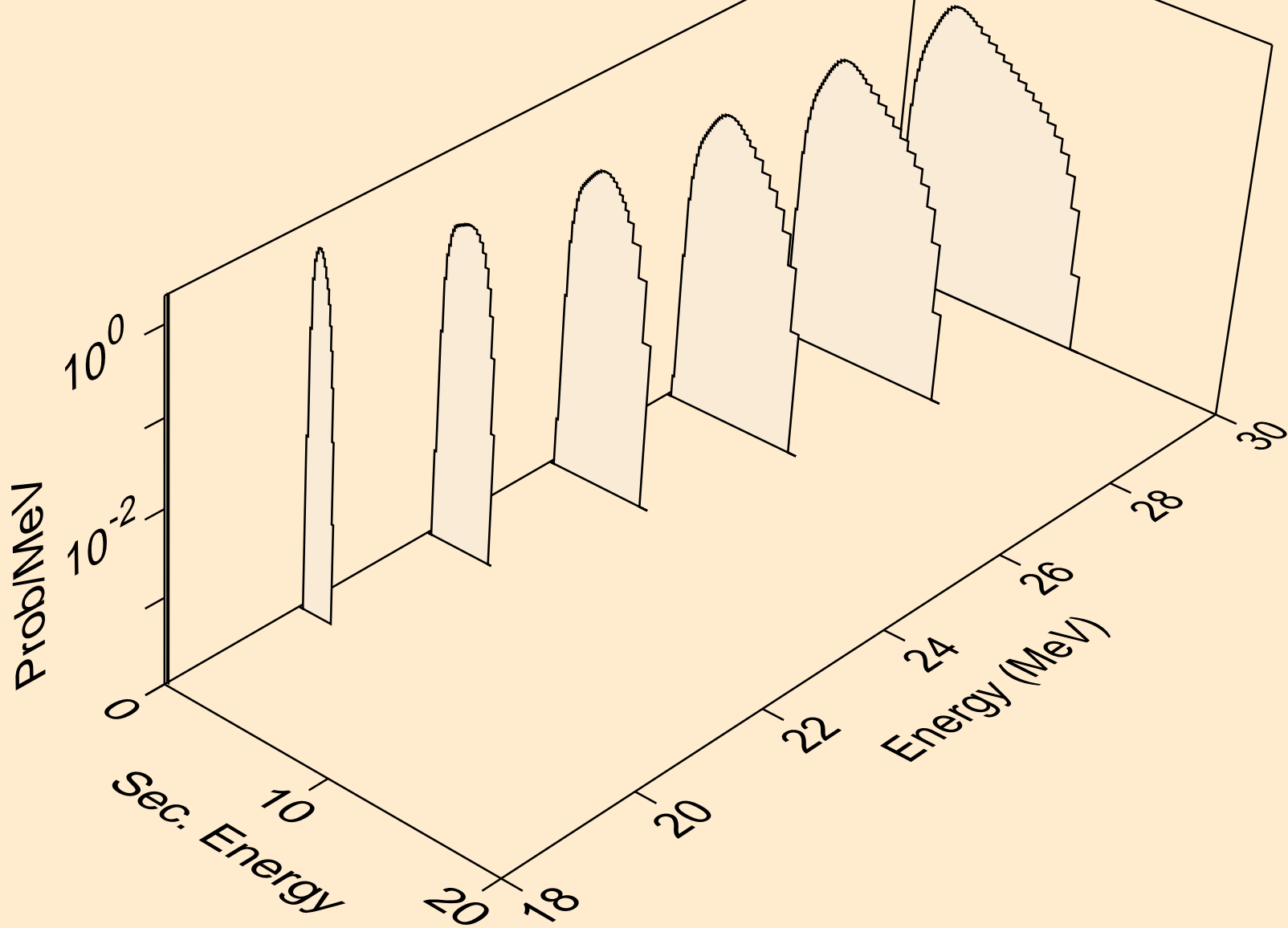
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



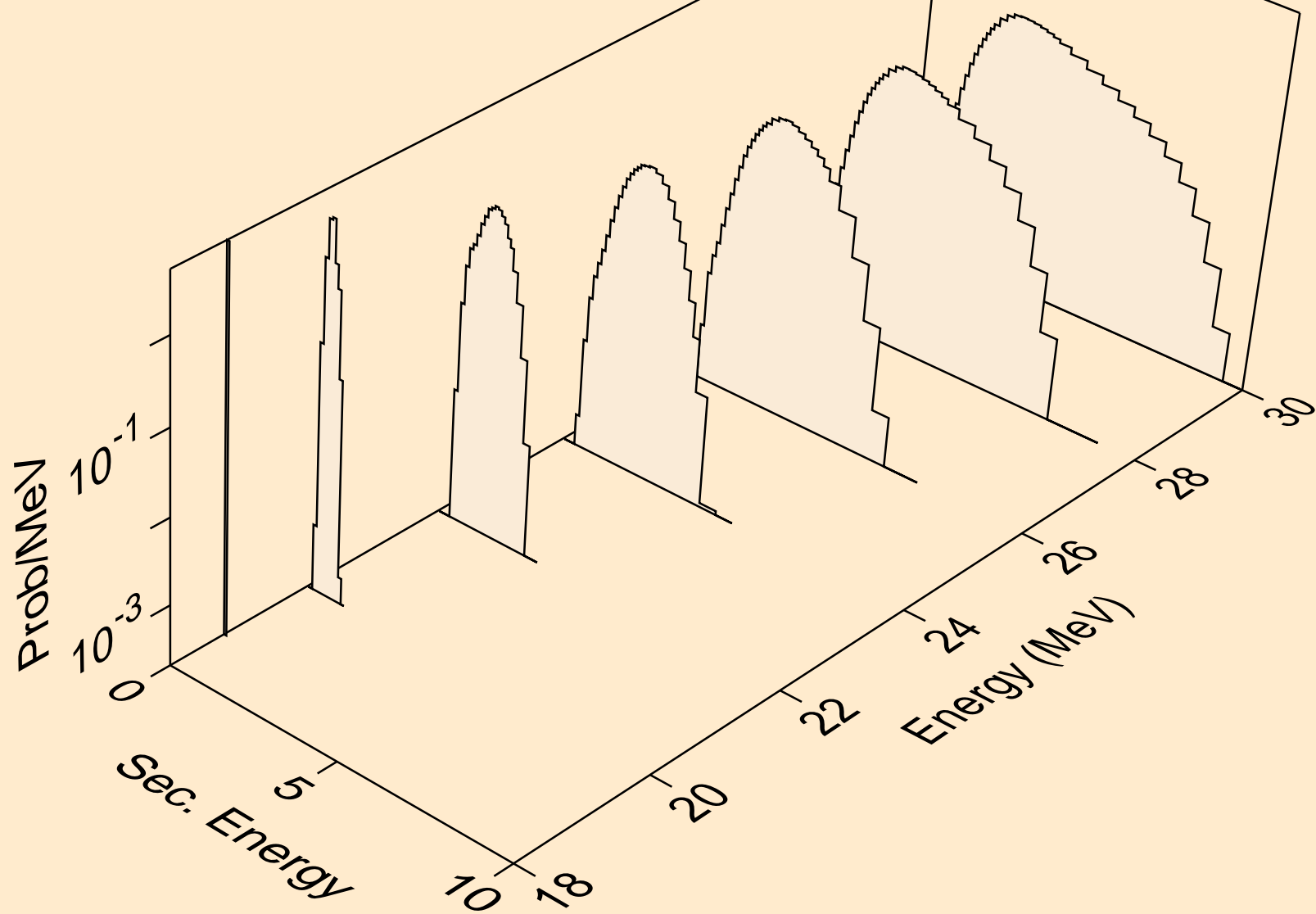
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protons from (n,n\*)p



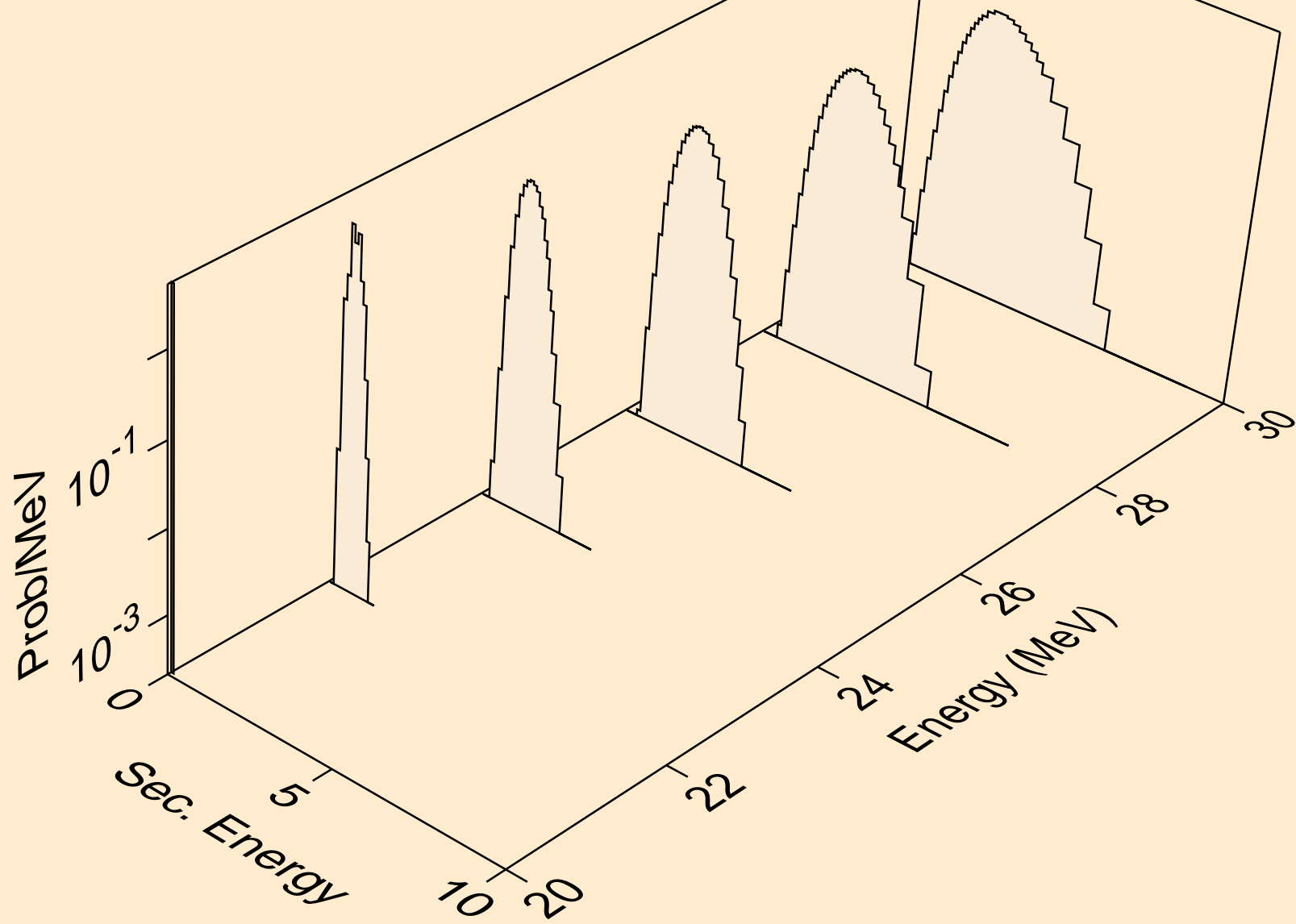
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)

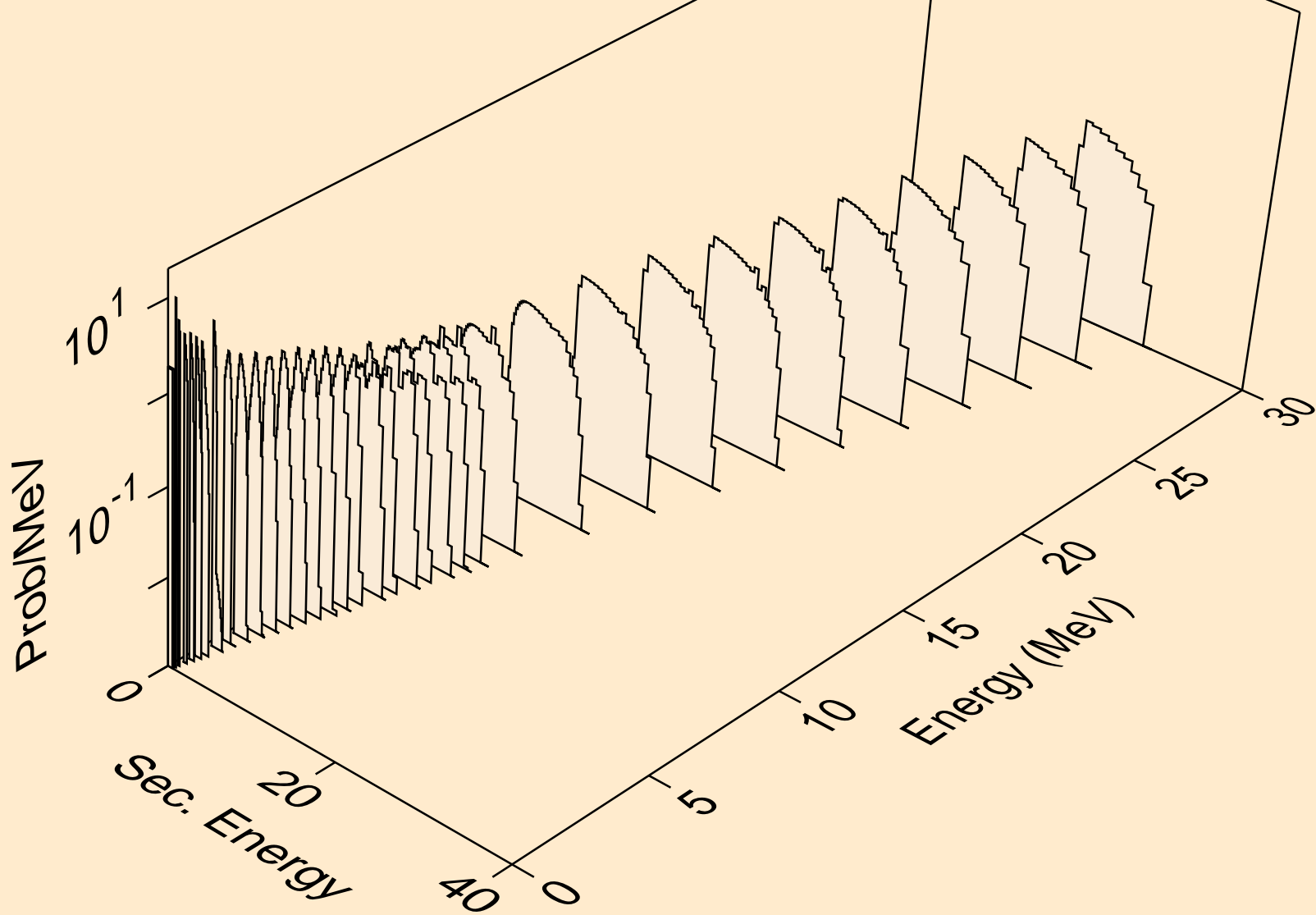


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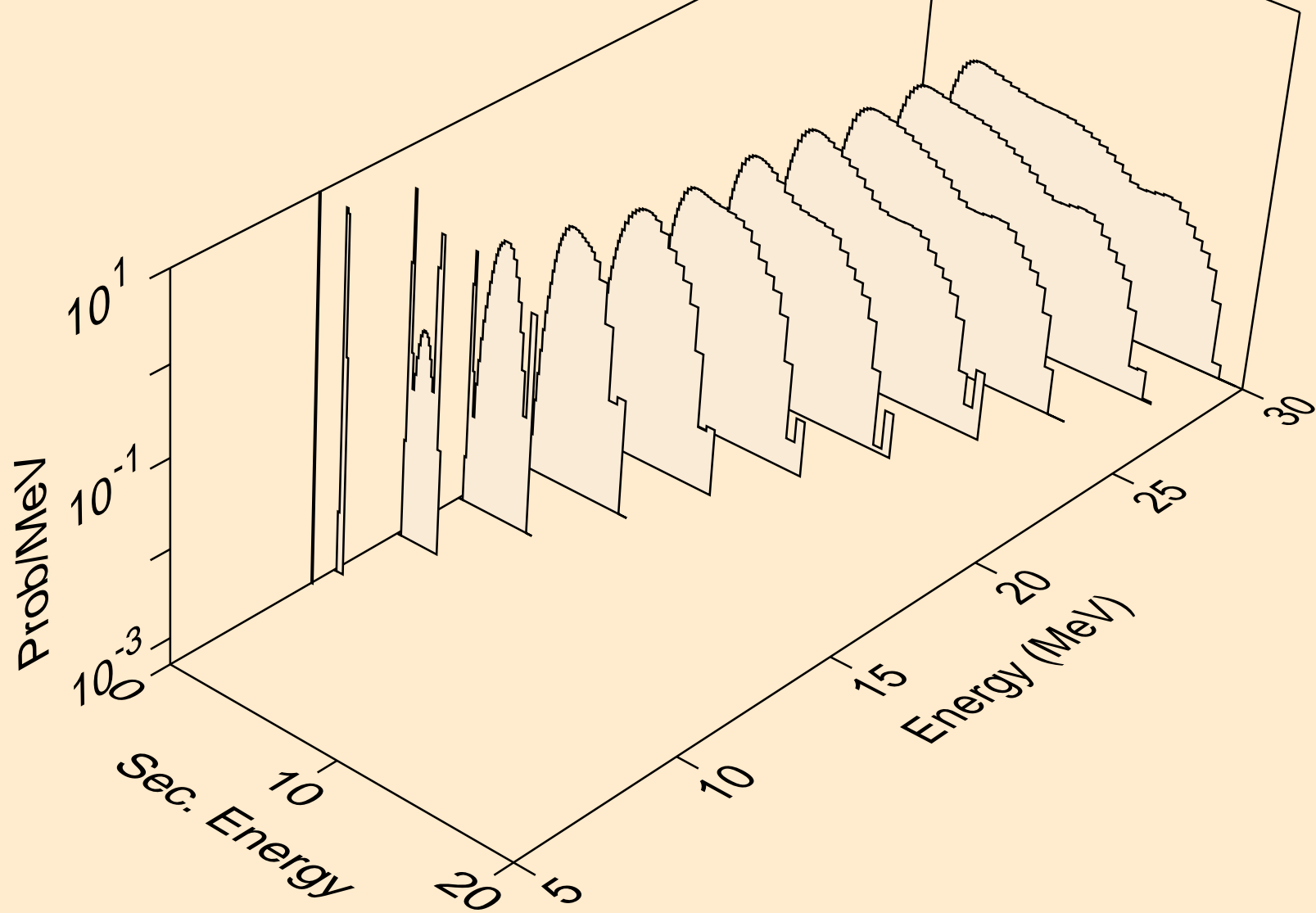




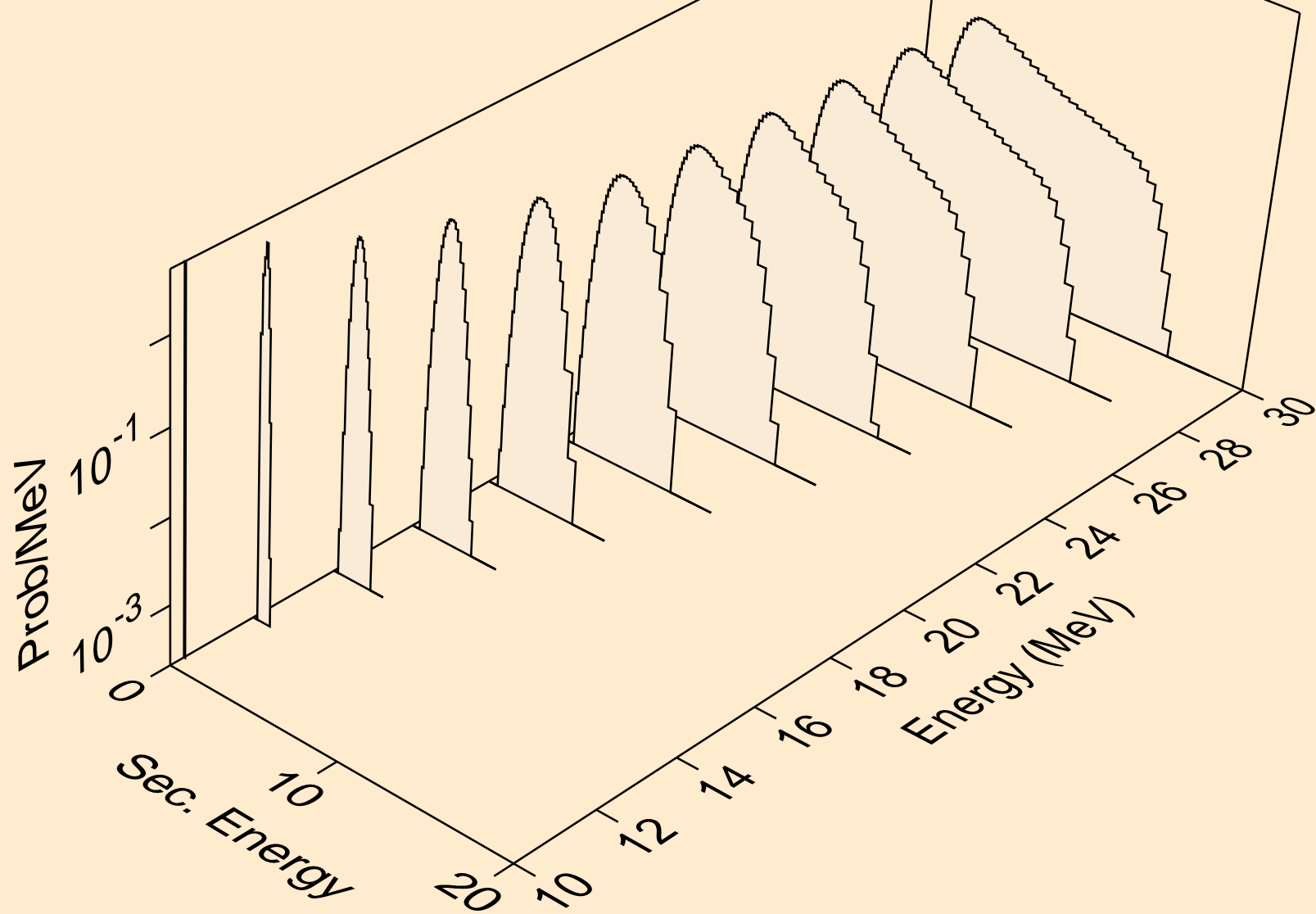
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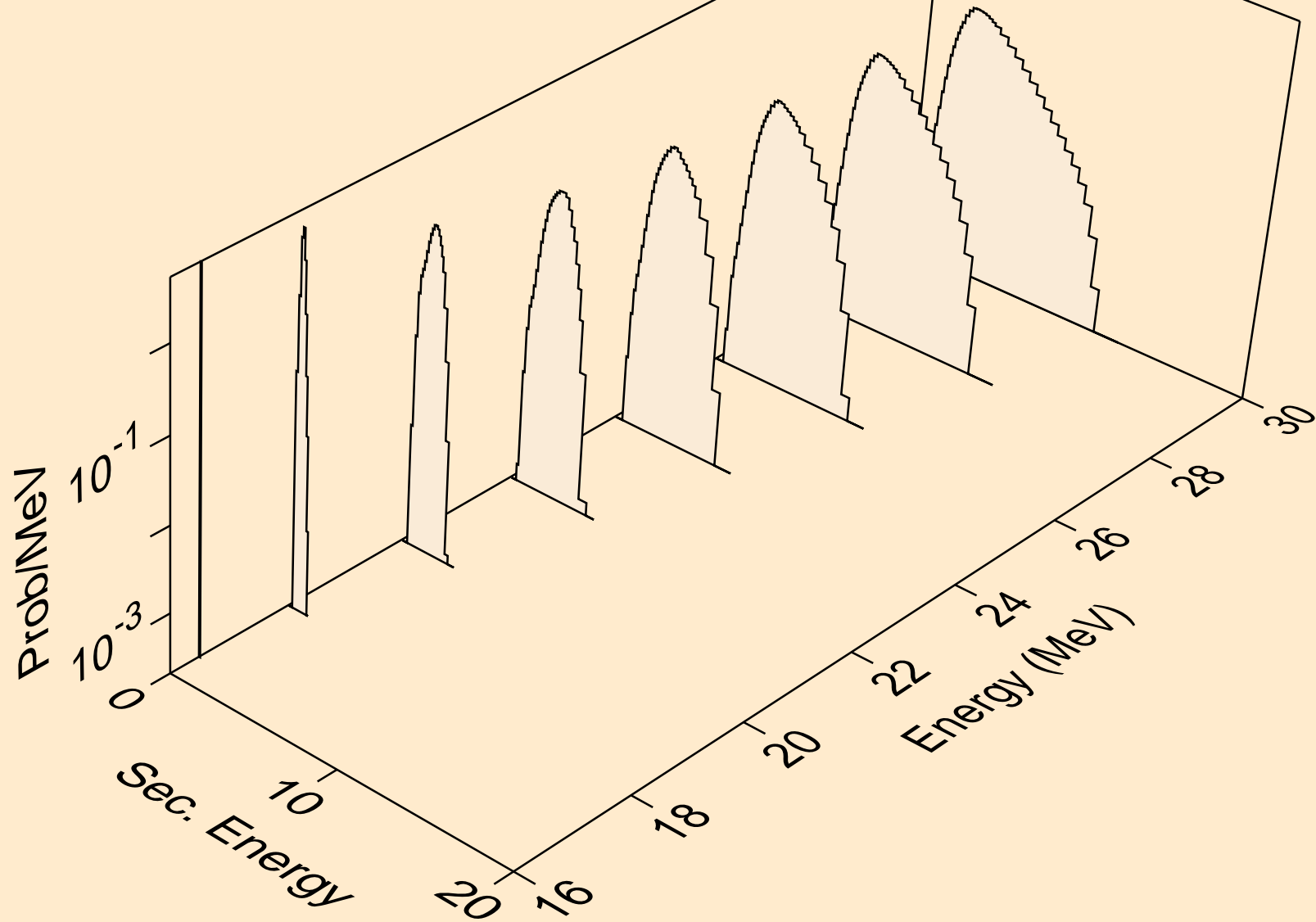
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protons from (n,2p)



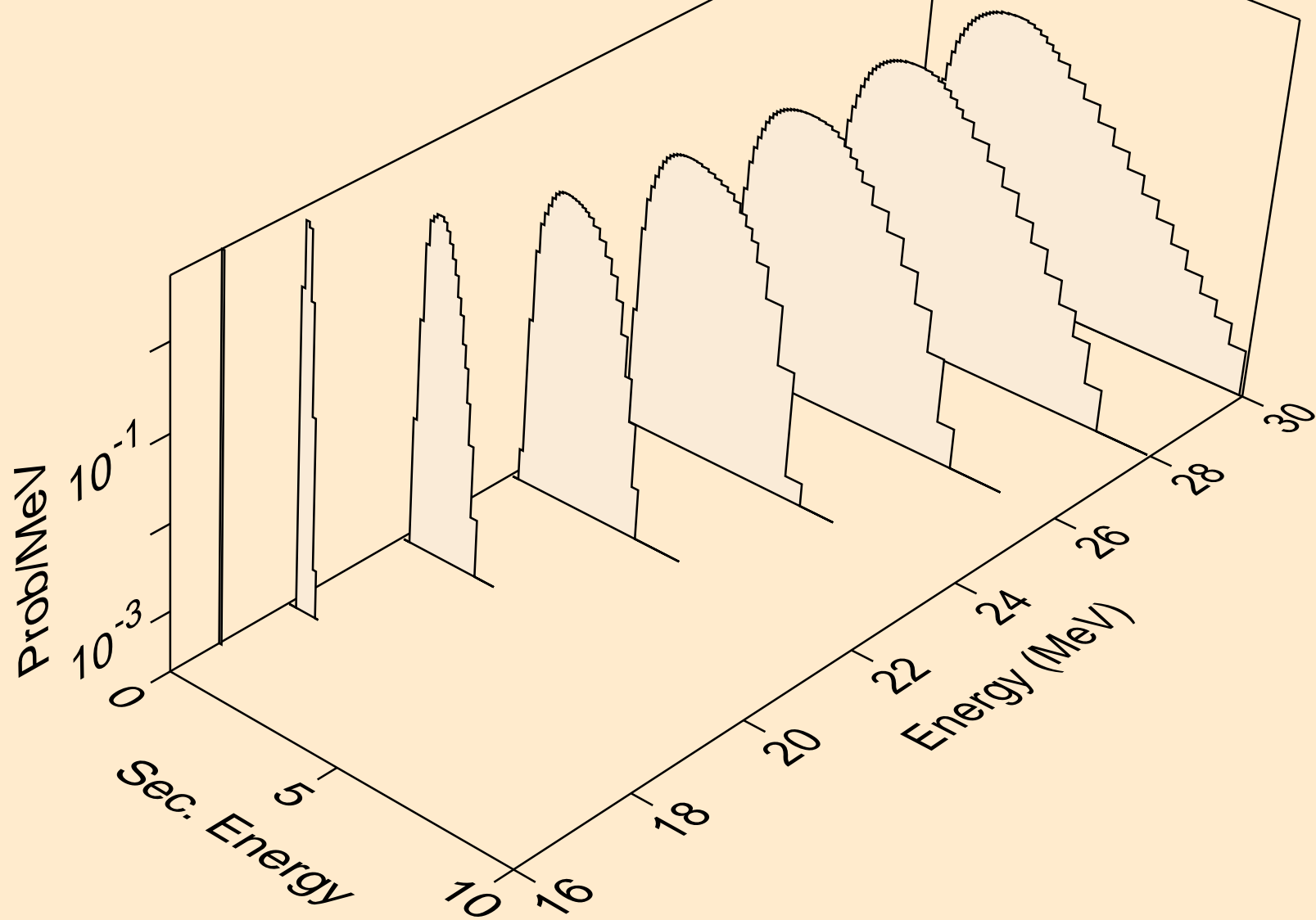
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protons from (n,p)



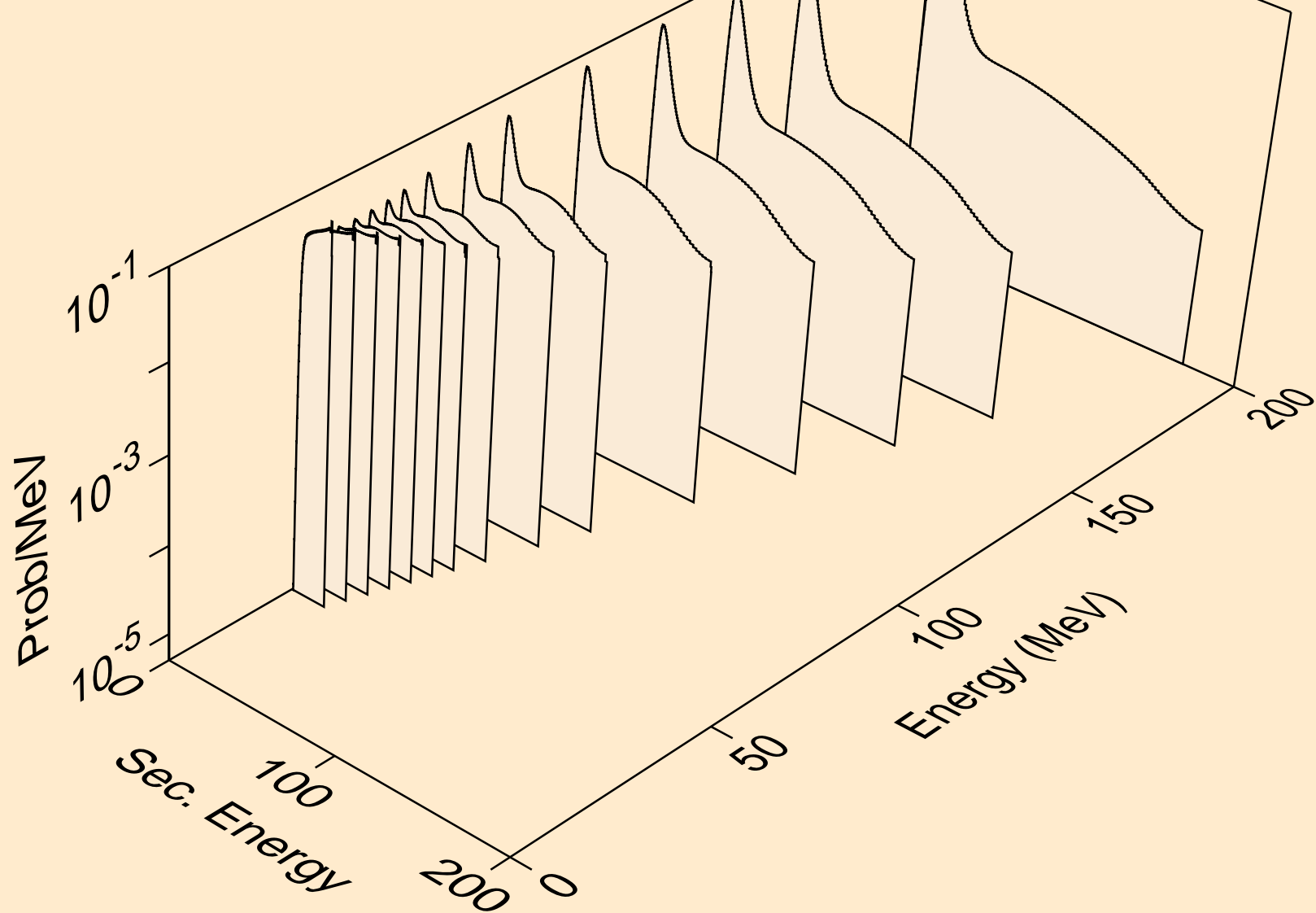
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protons from (n,pd)



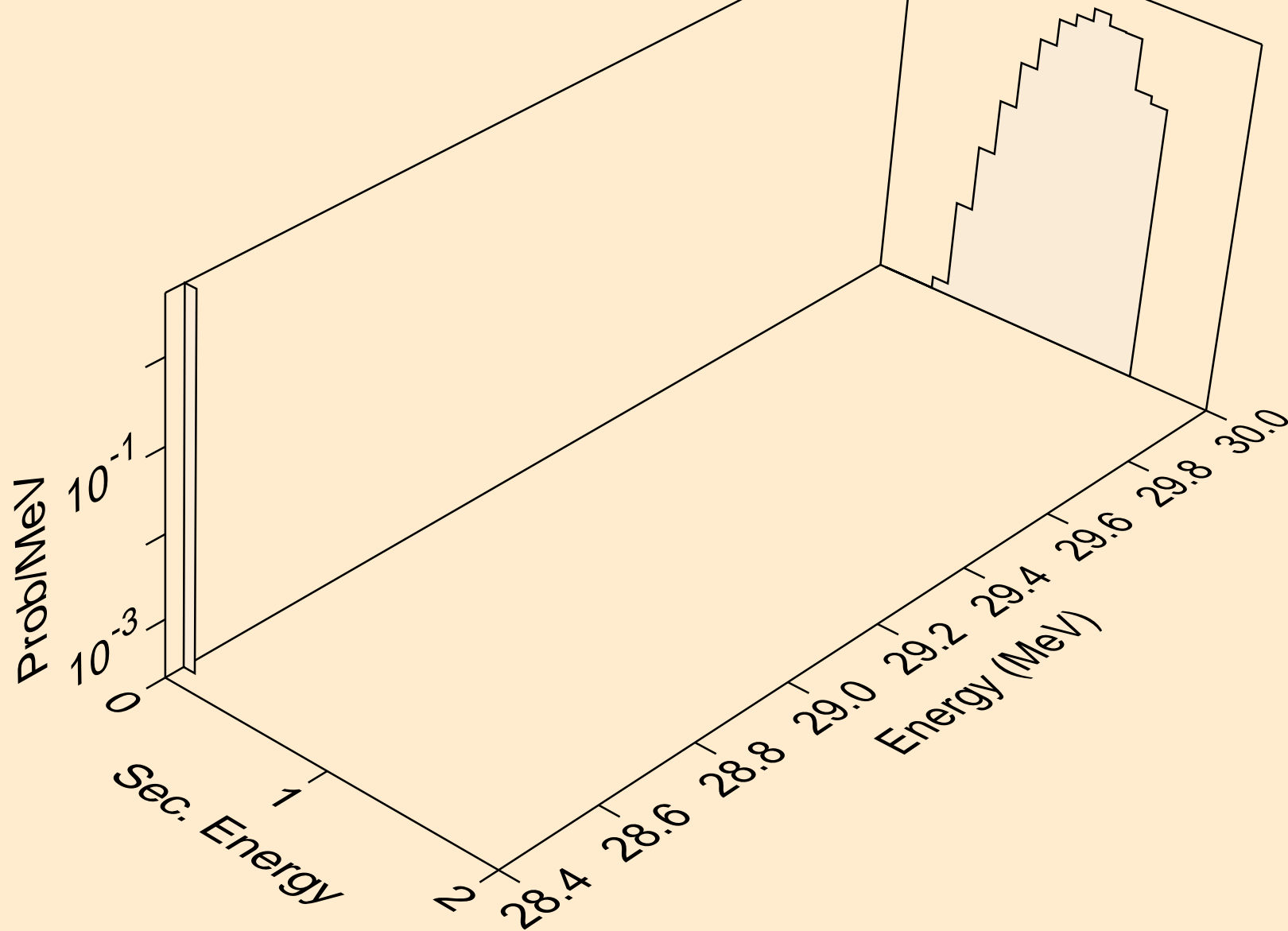
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protons from (n,pt)



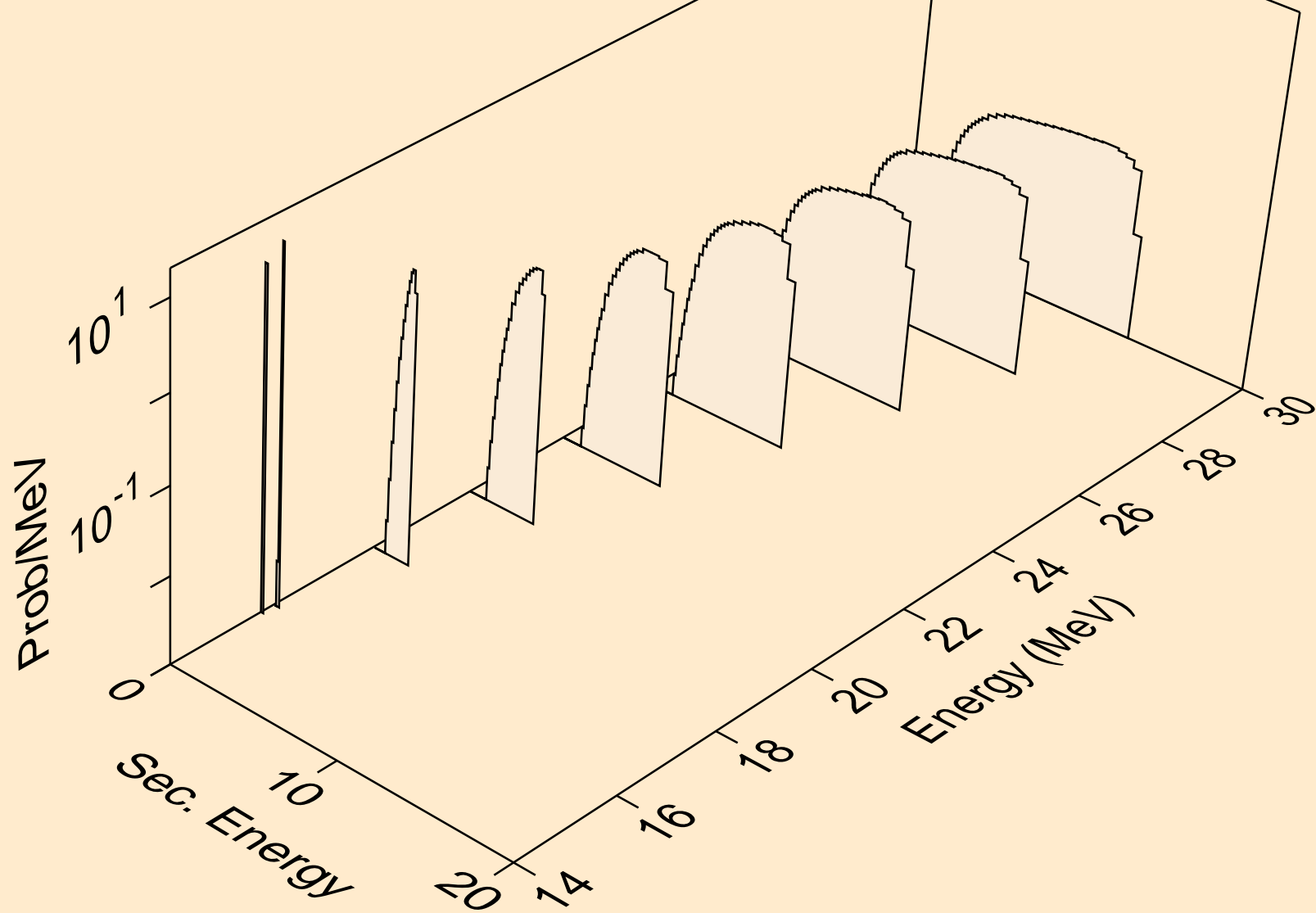
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deuterons from (n,x)



S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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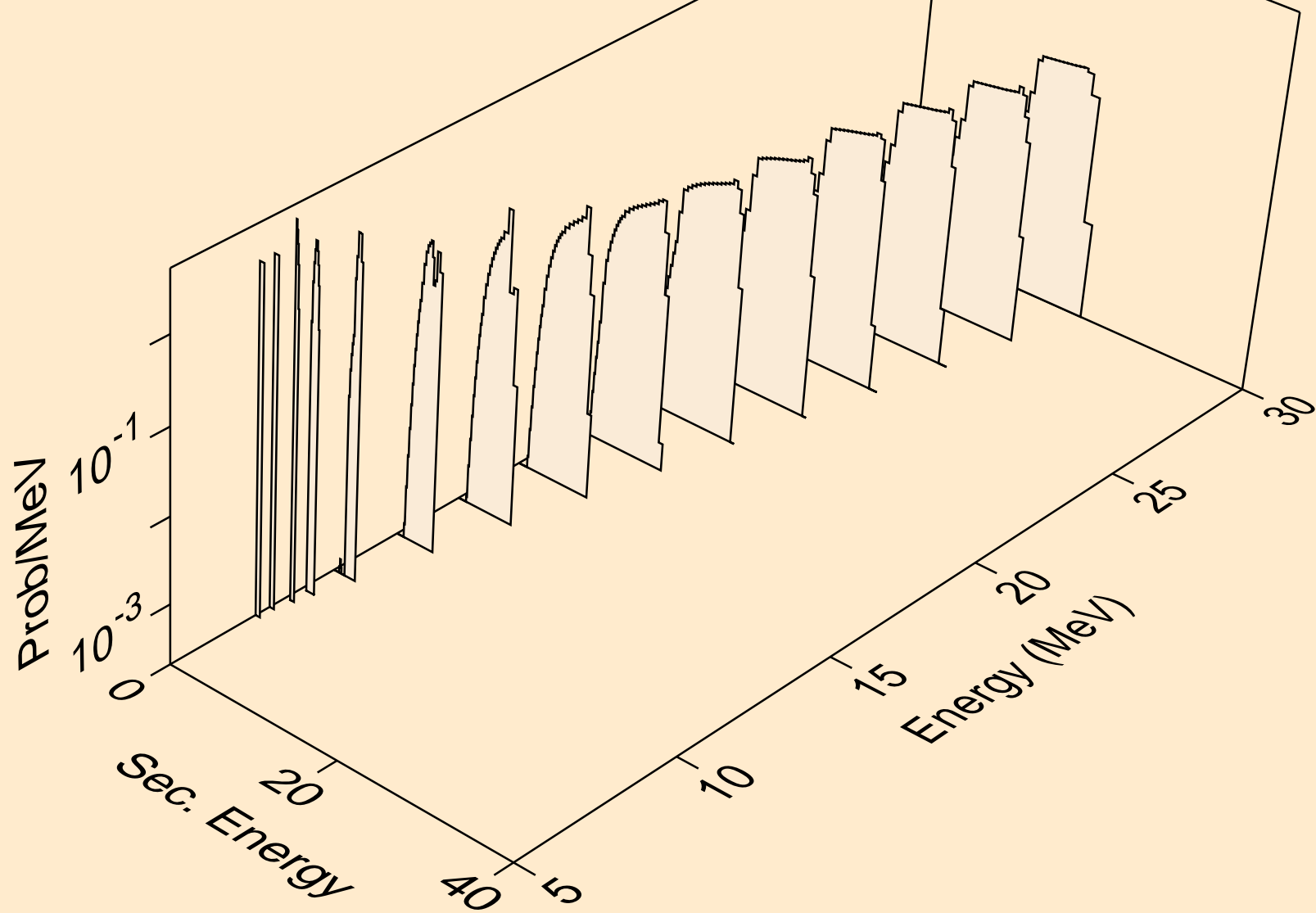


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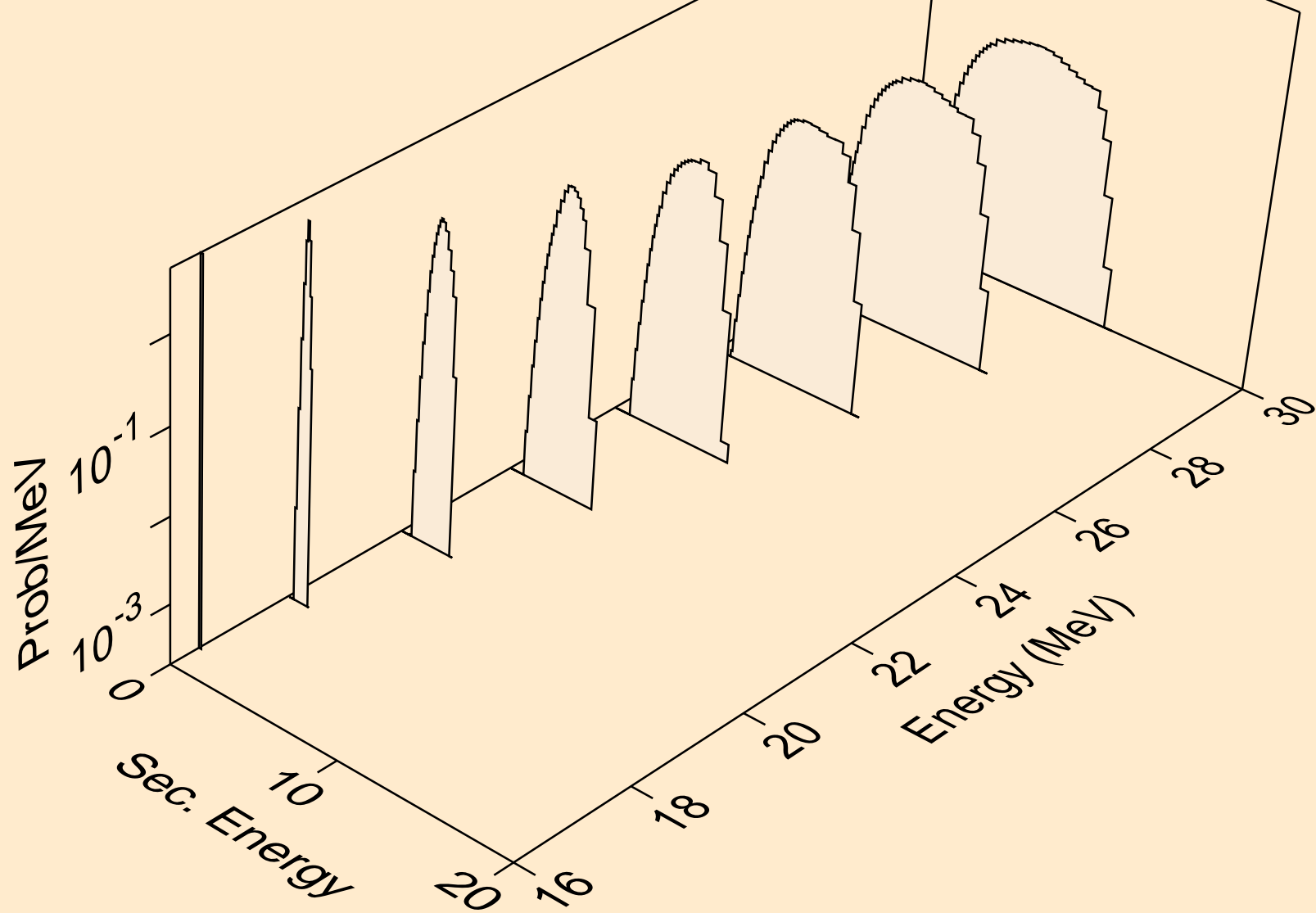




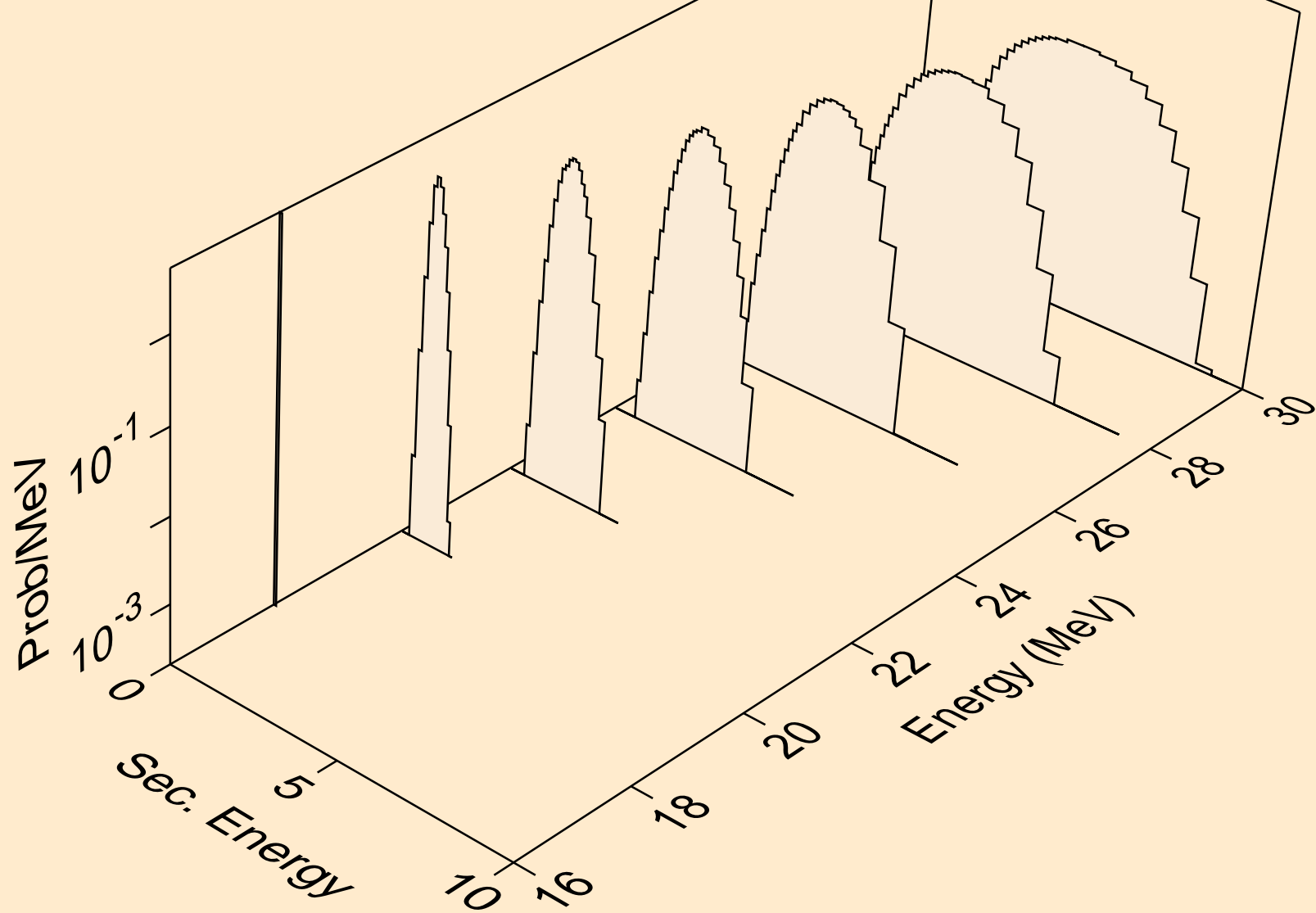
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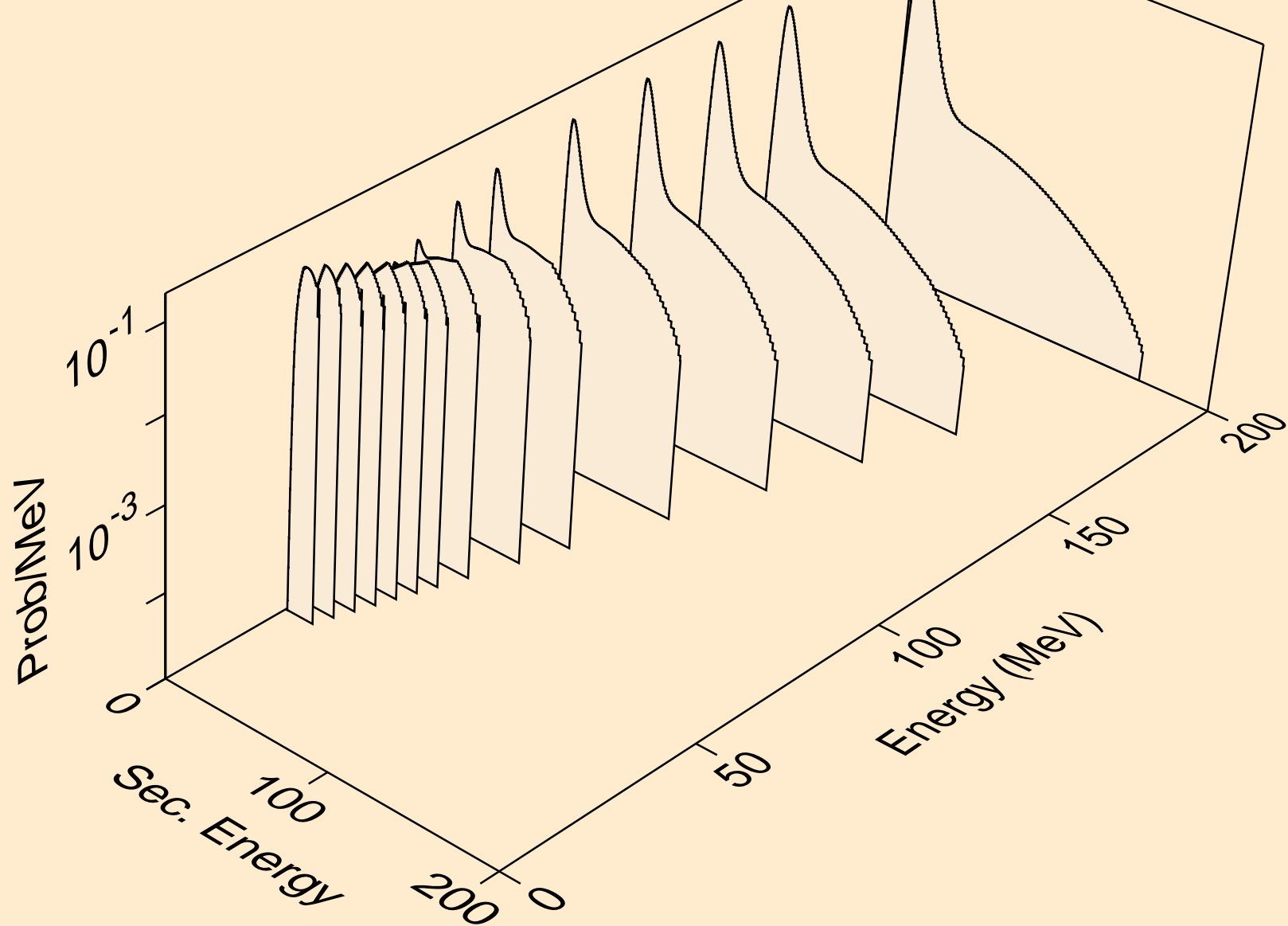
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deuterons from (n,pd)



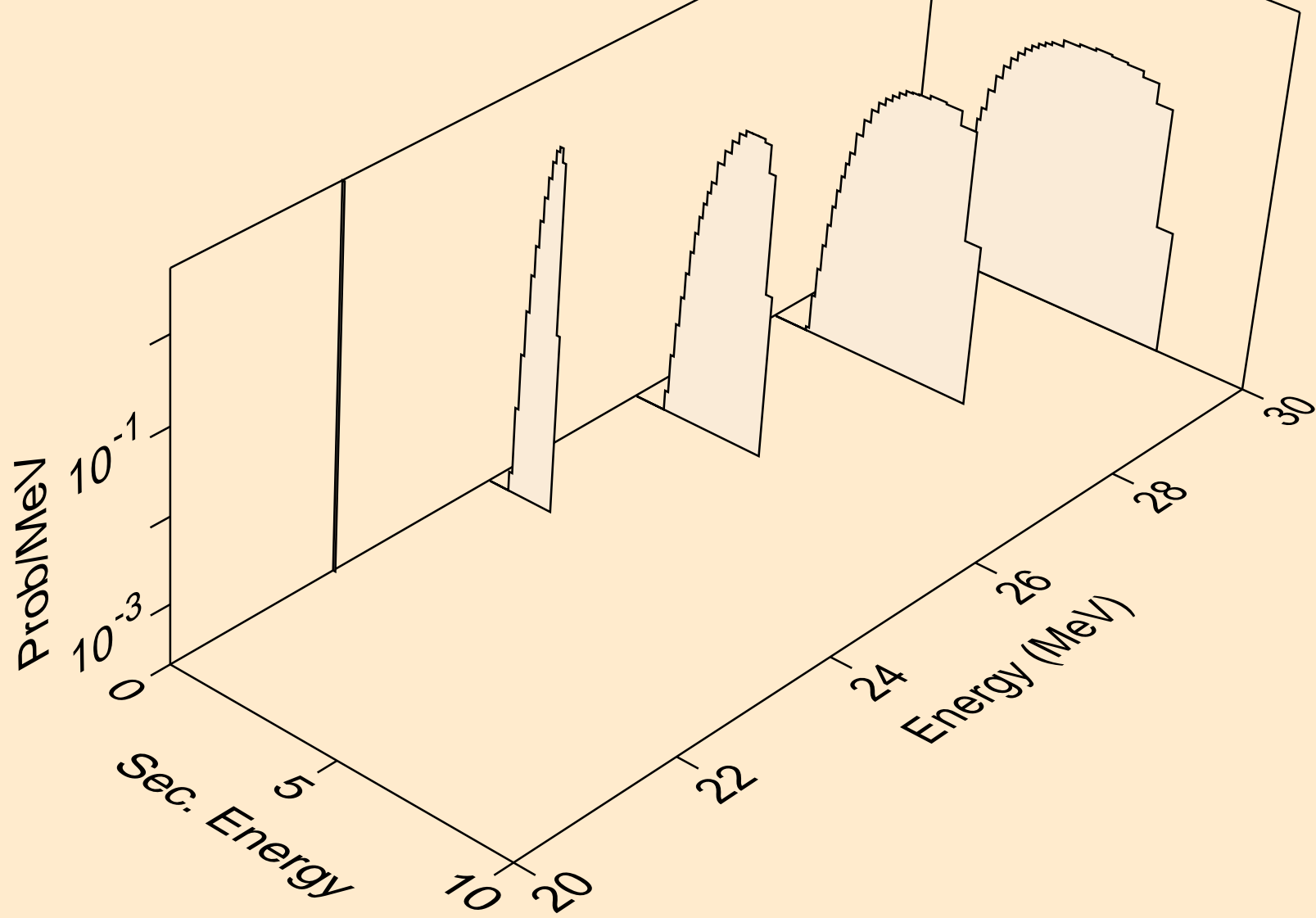
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deuterons from (n,da)



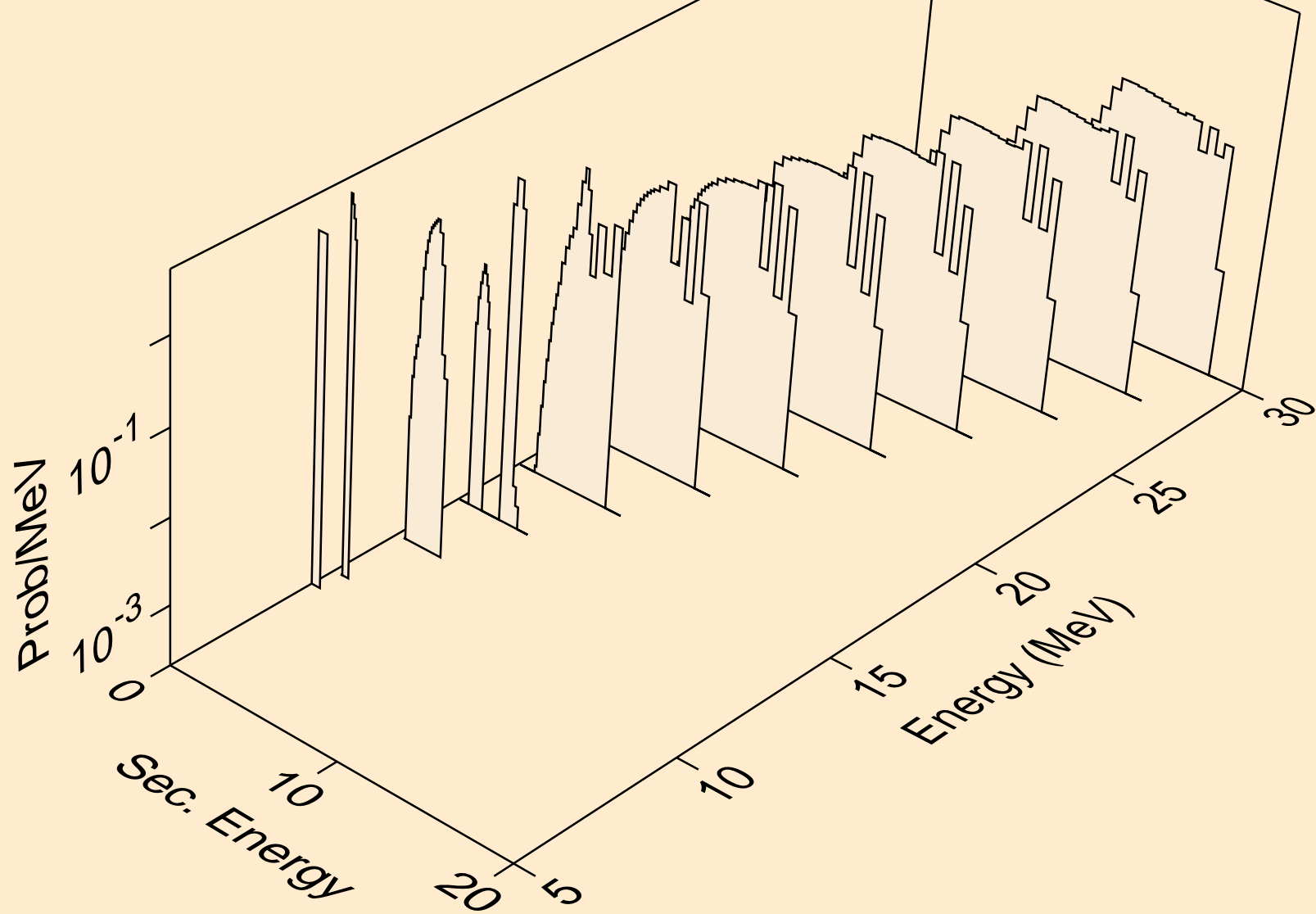
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tritons from (n,x)



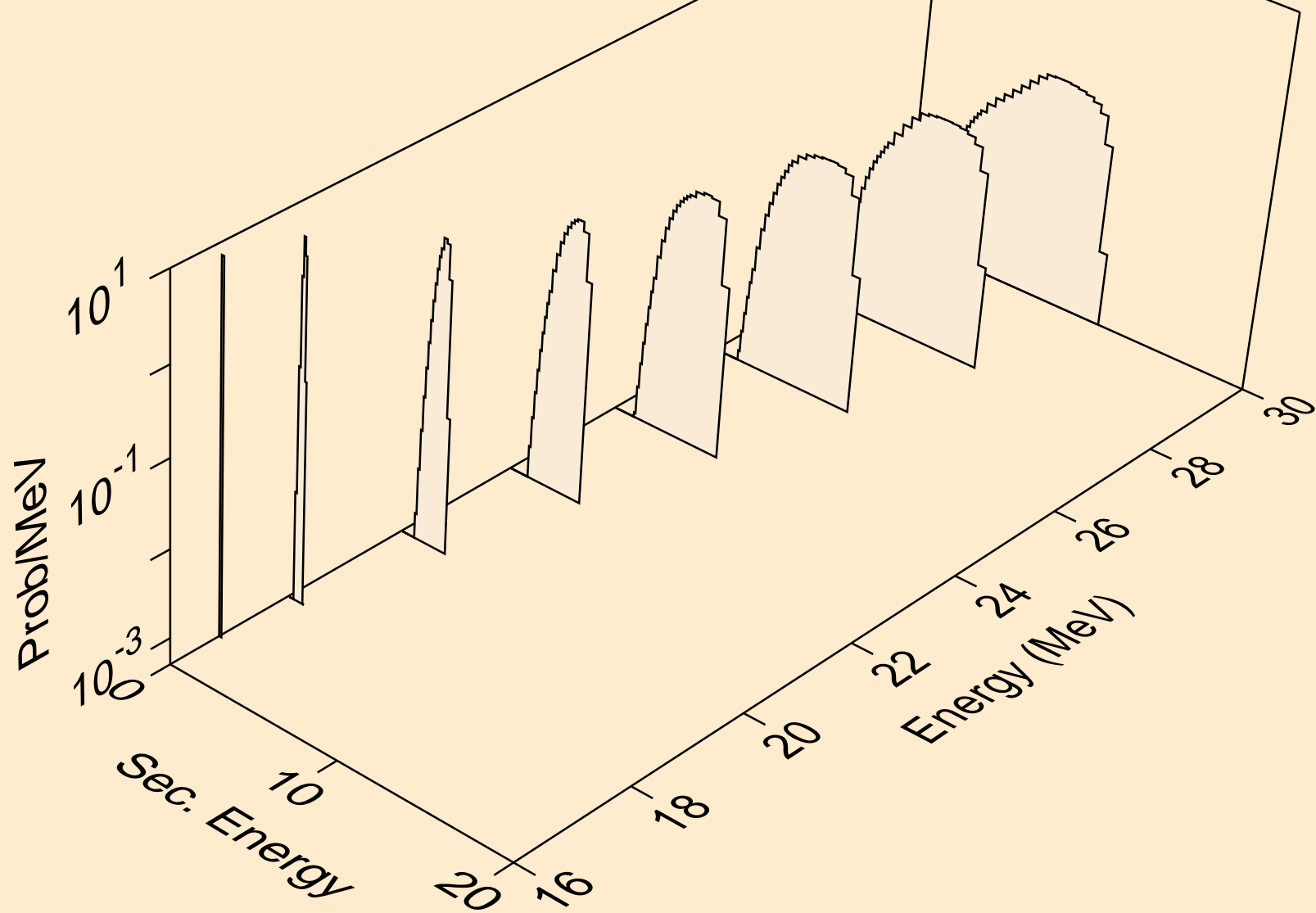
S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



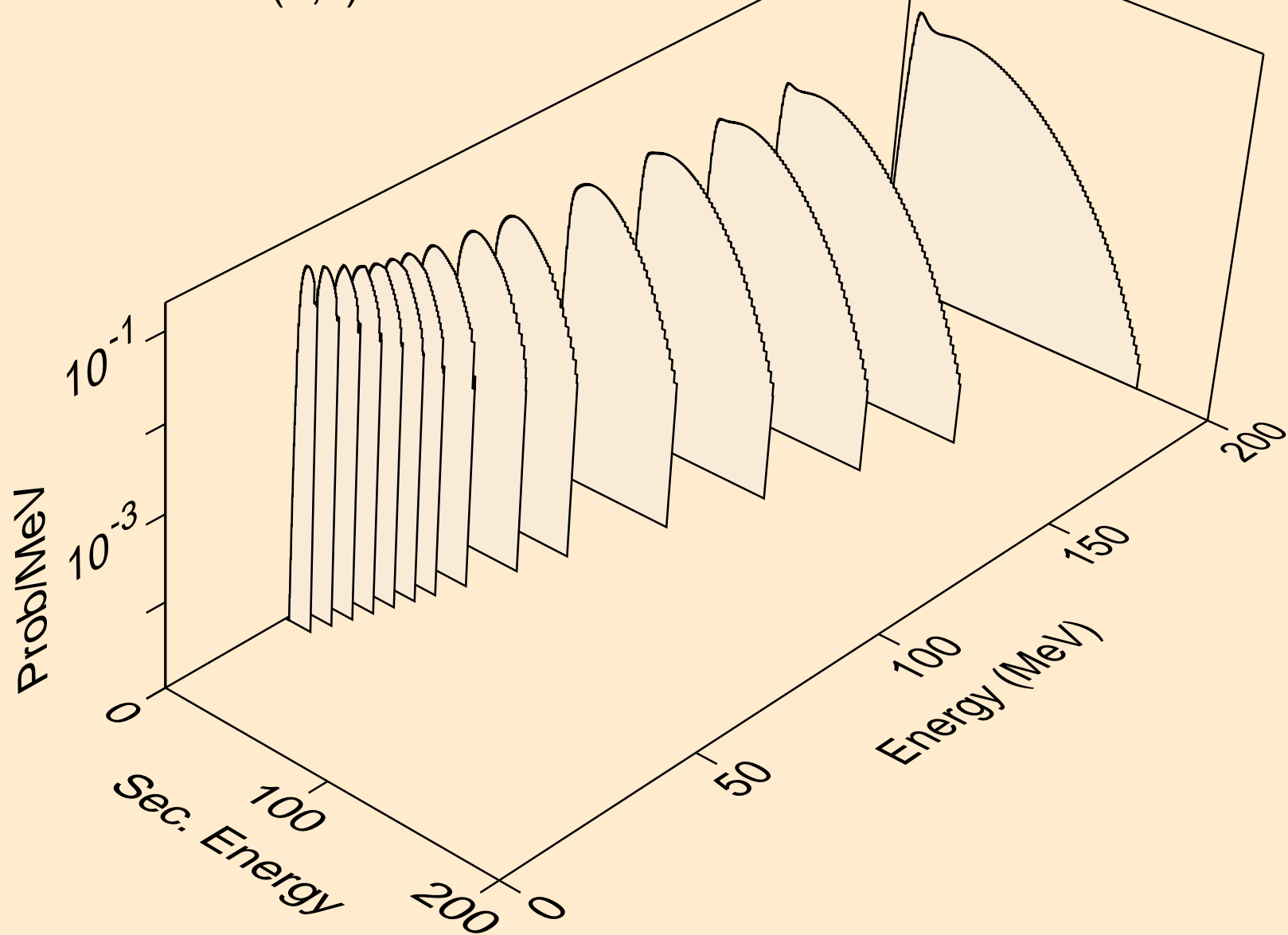
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tritons from (n,t)



S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)

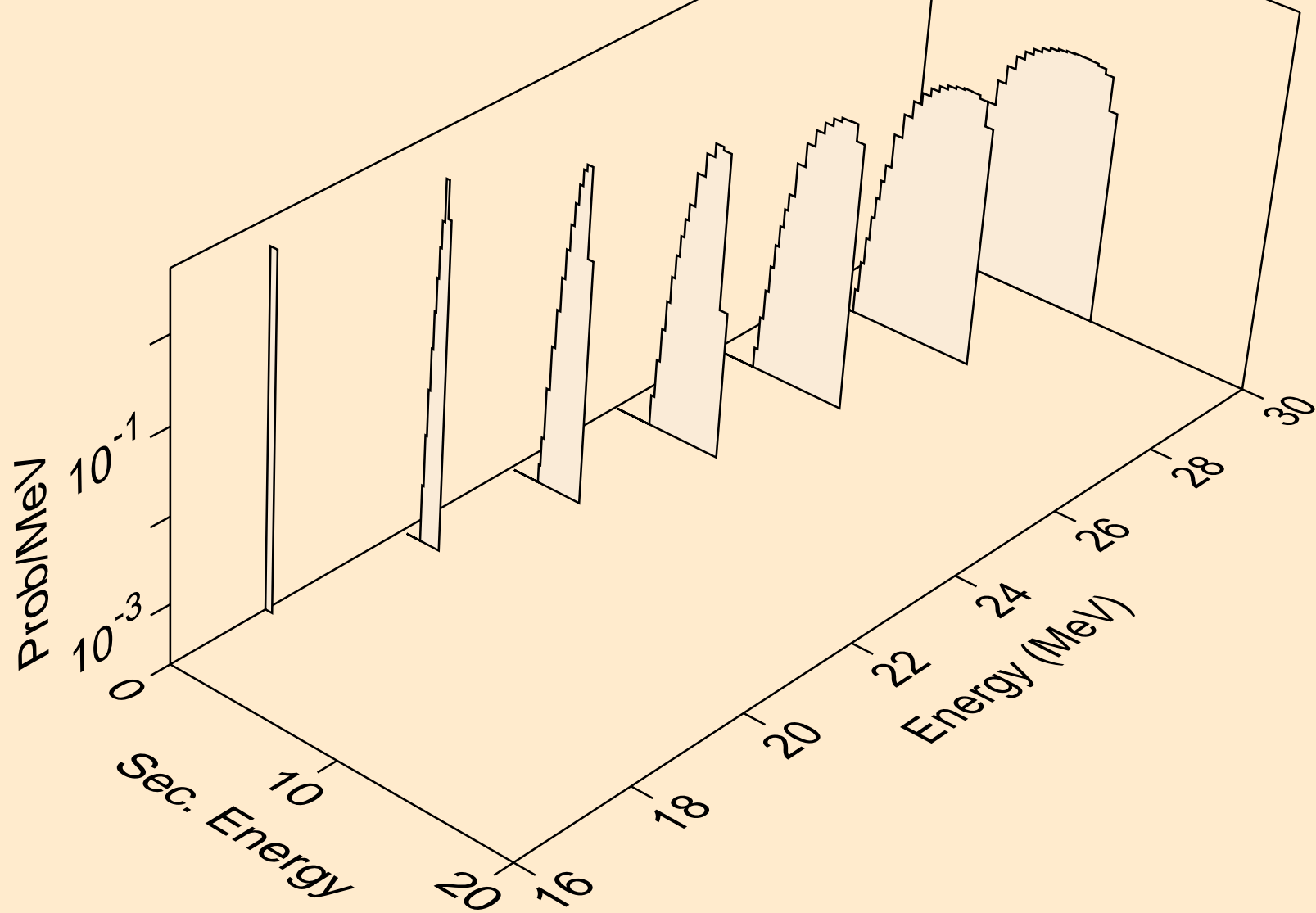


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he3s from (n,x)

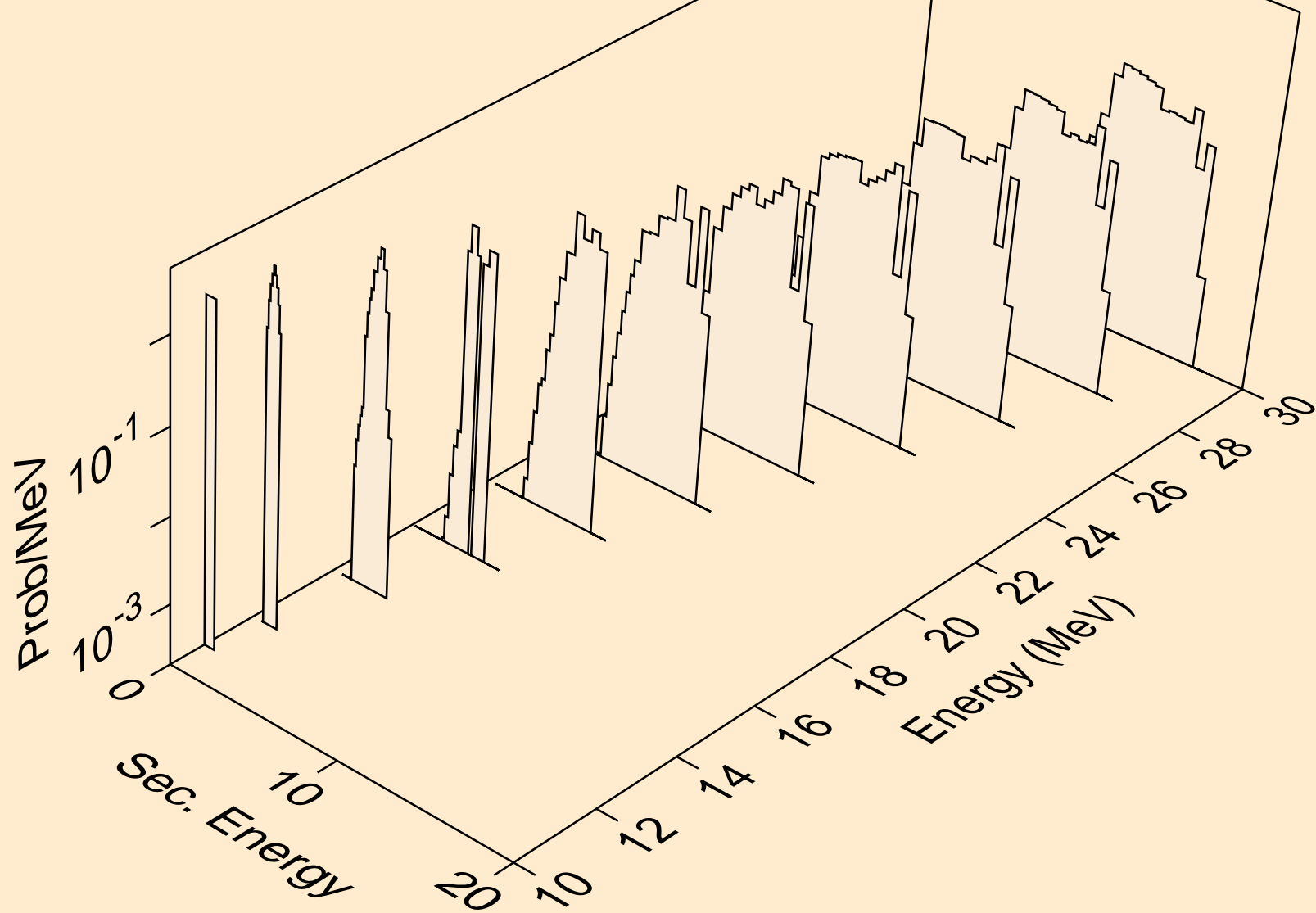




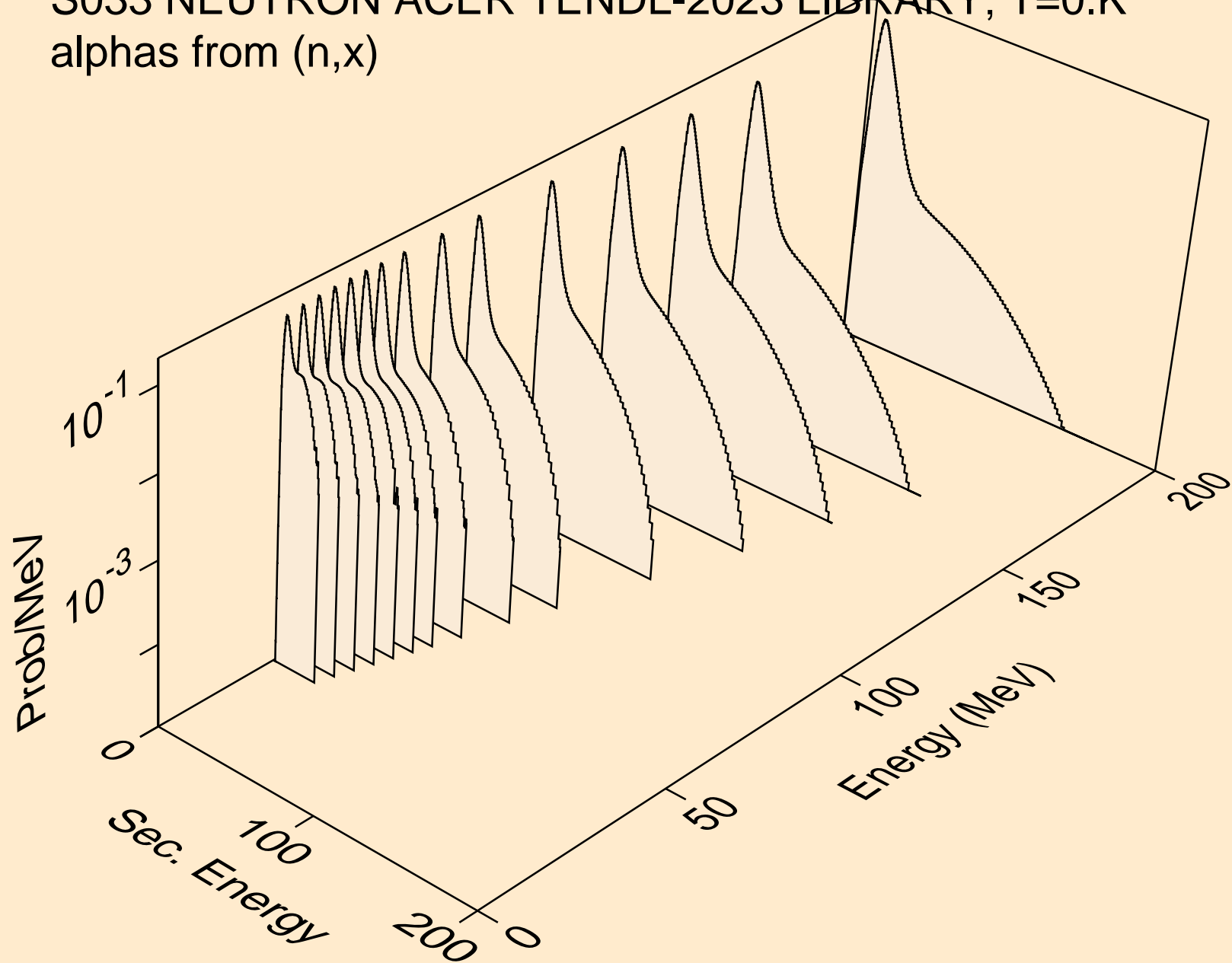
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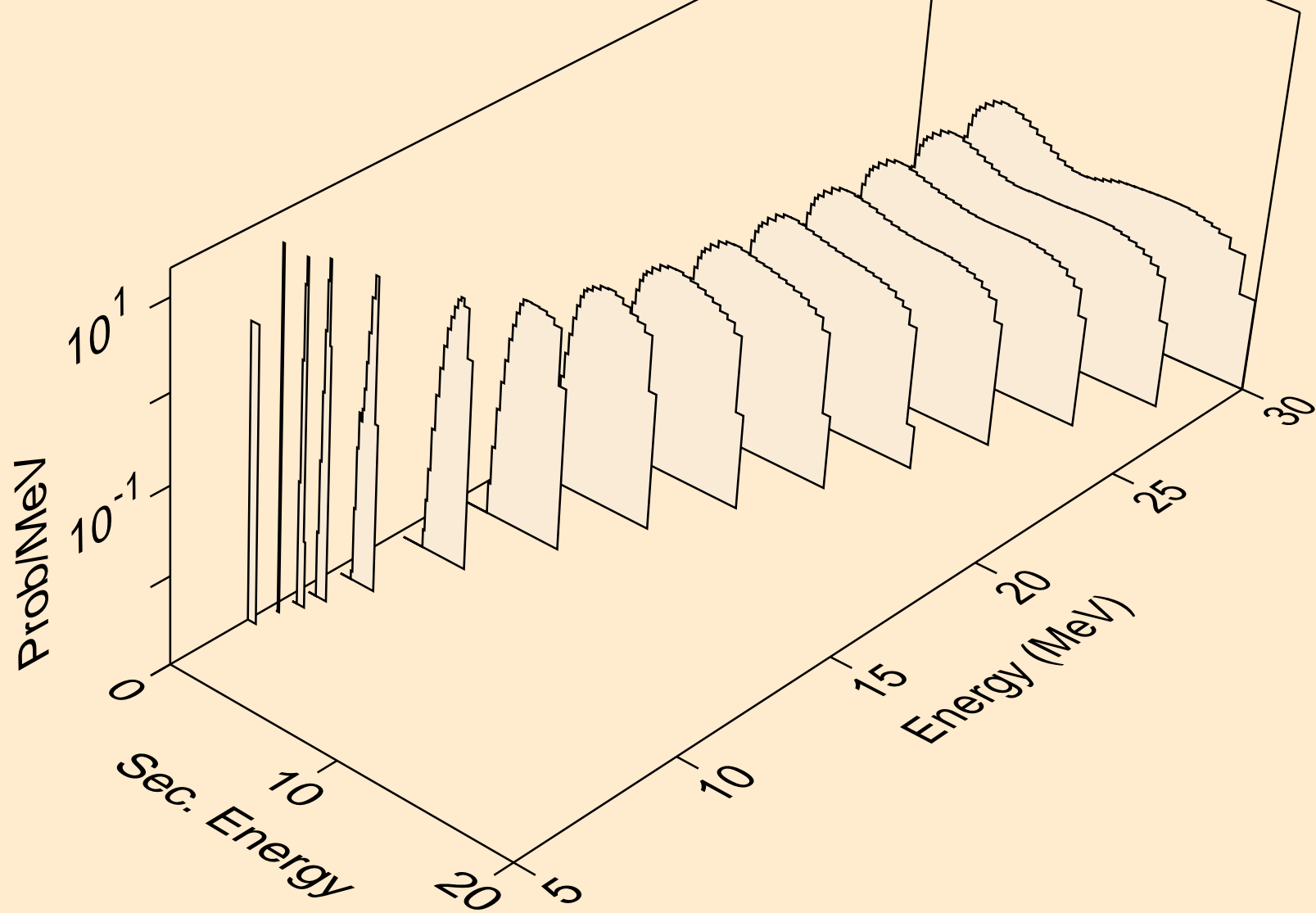
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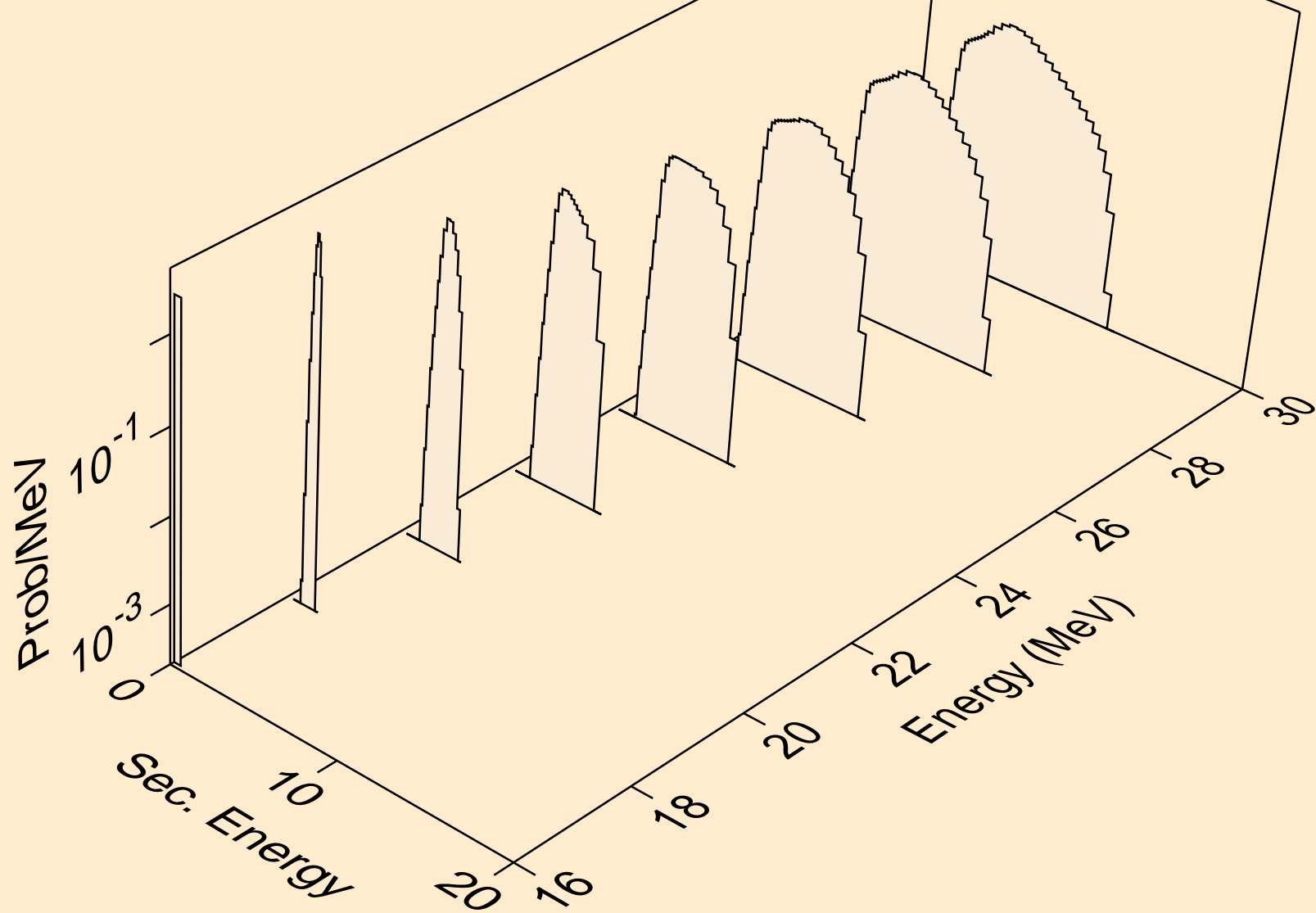
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alphas from (n,x)



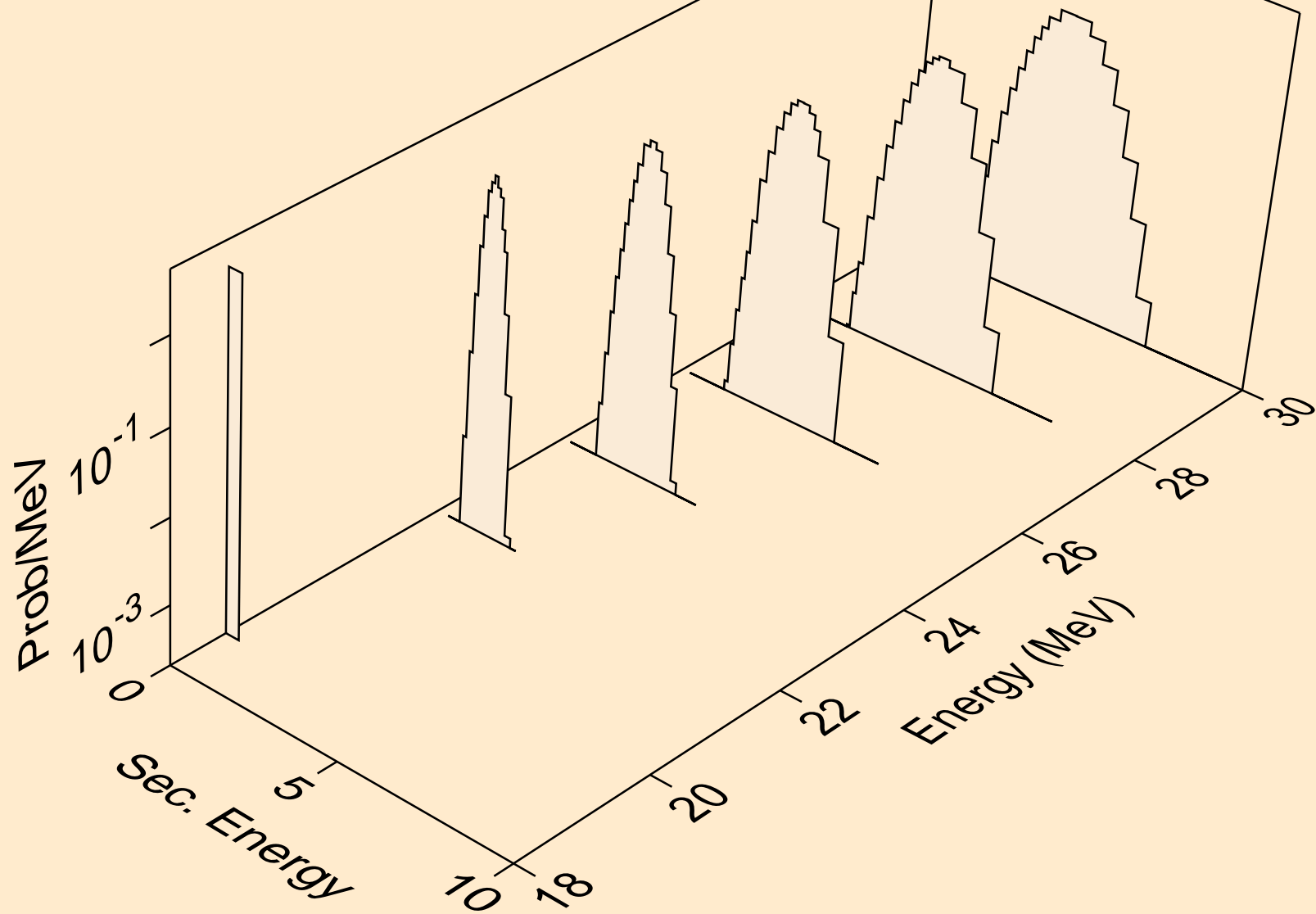
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alphas from (n,n\*)a



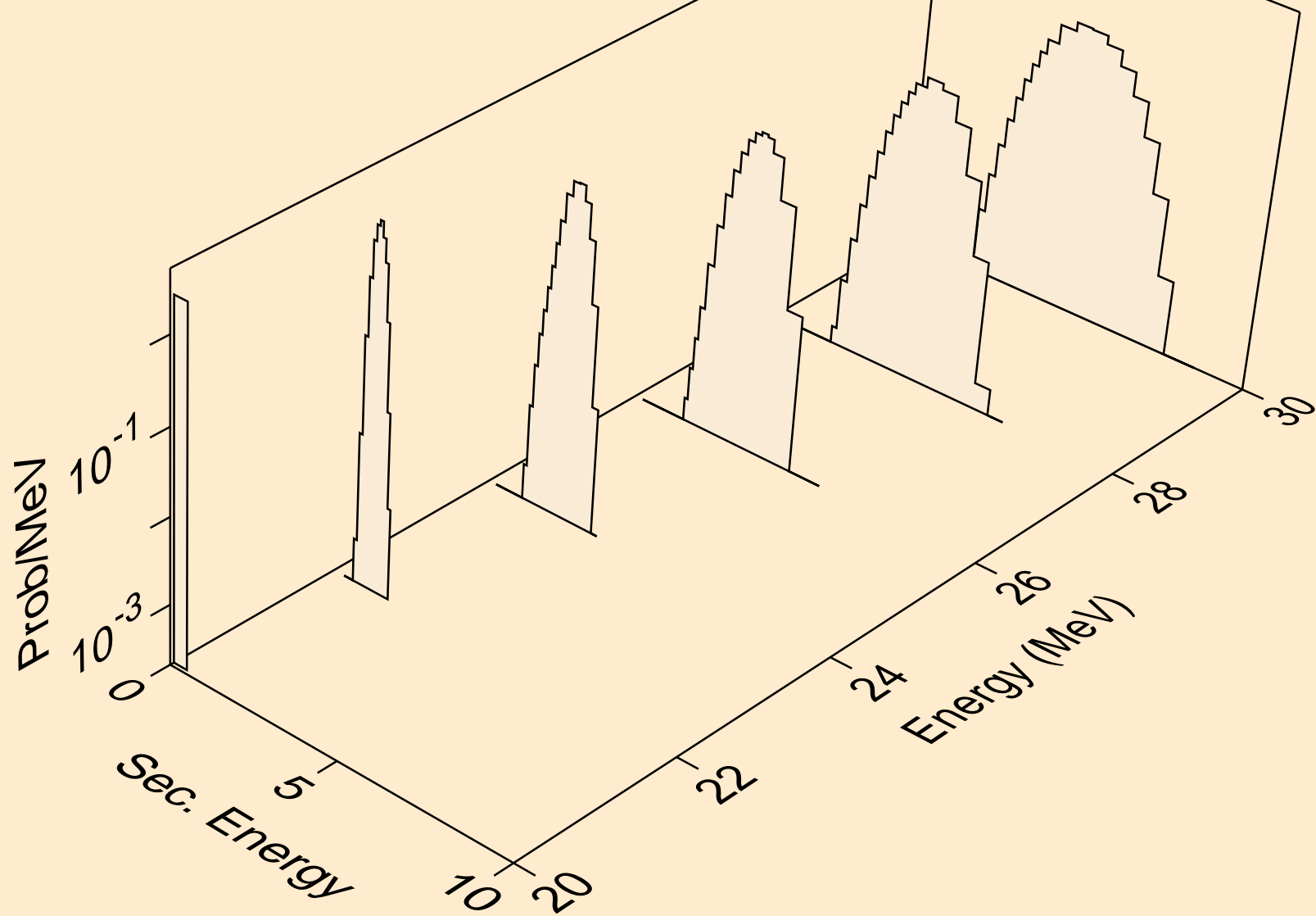
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alphas from (n,2n)a



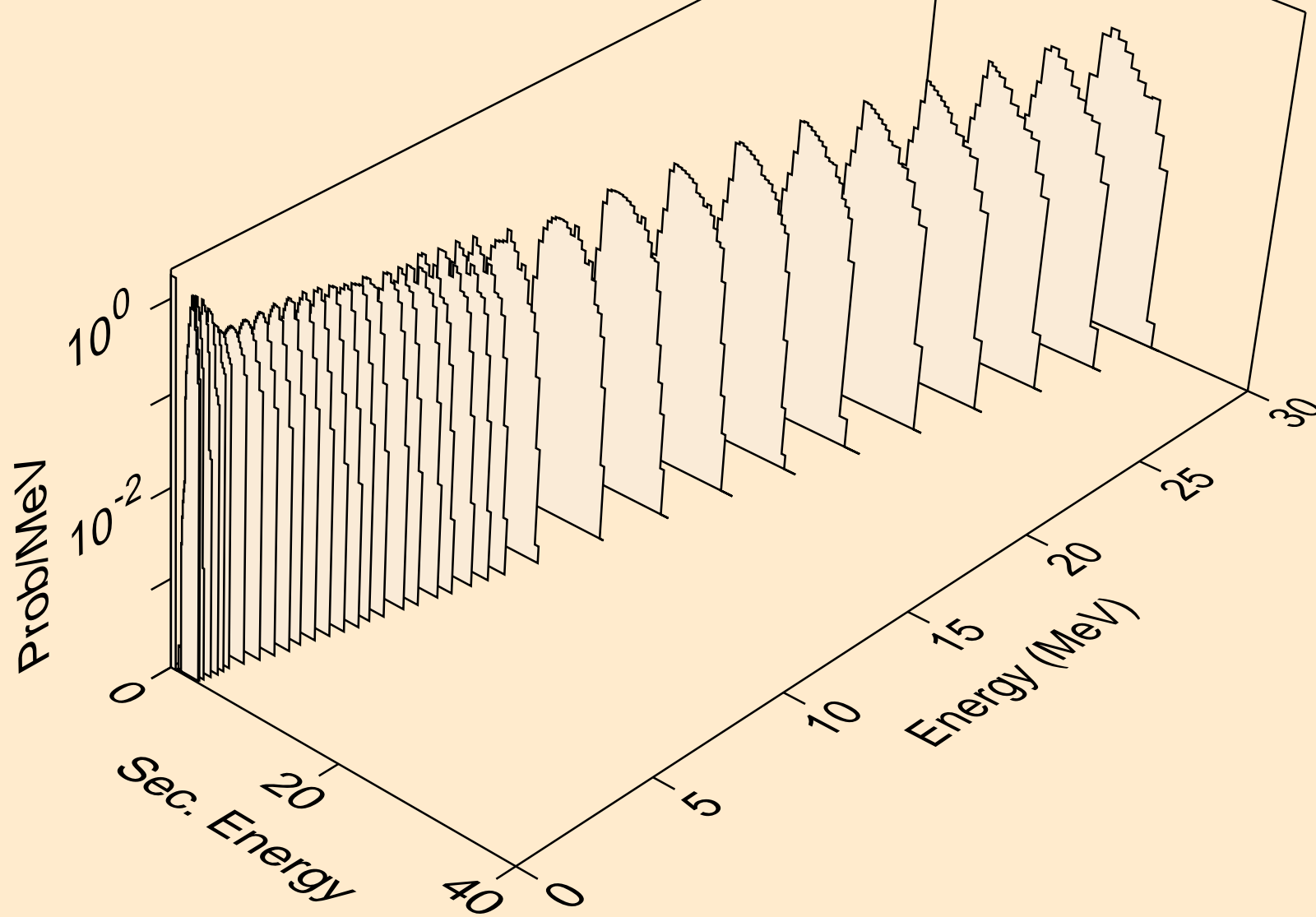
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alphas from (n,n\*)2a



S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)

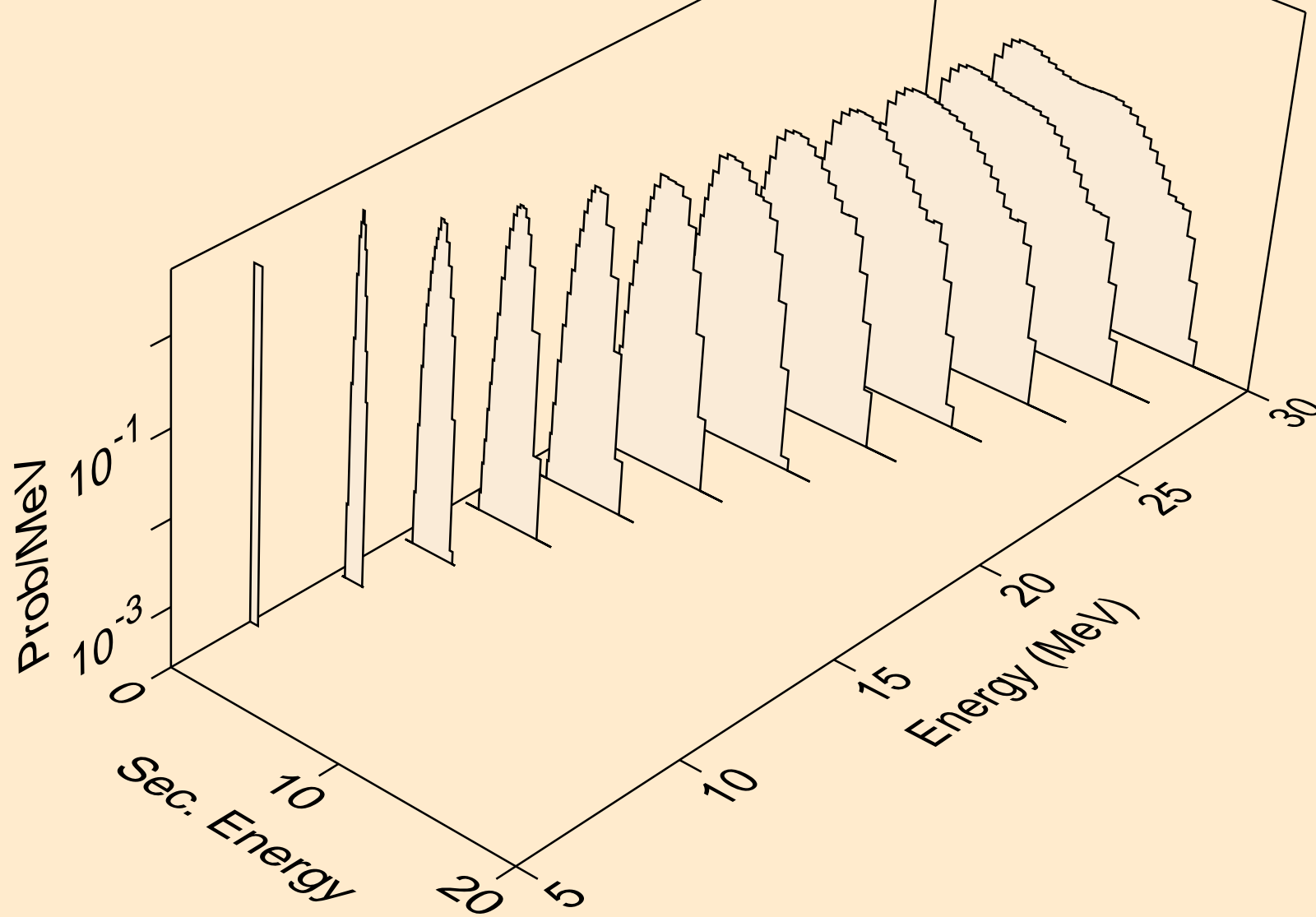


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alphas from (n,a)

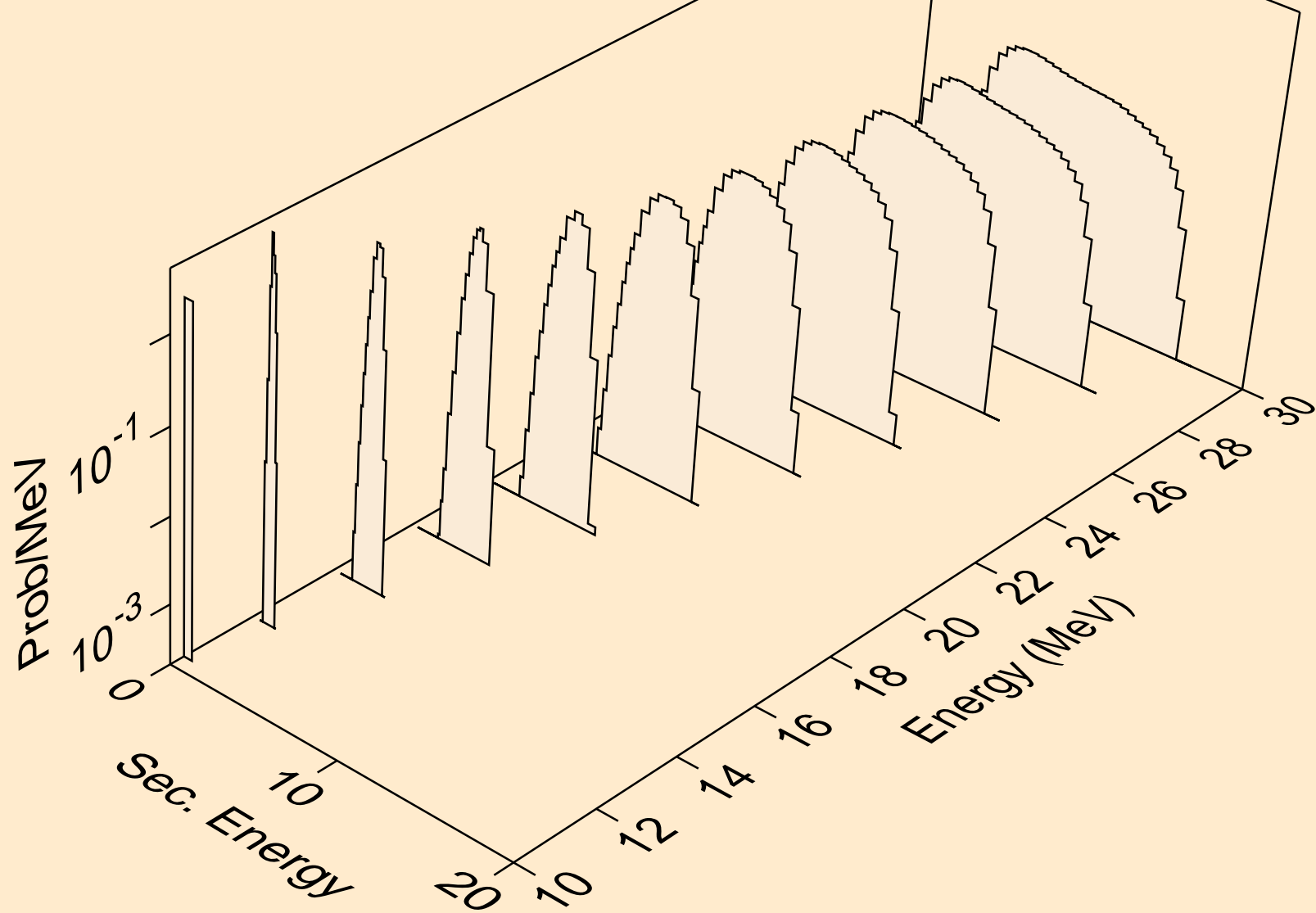




S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



S033 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

