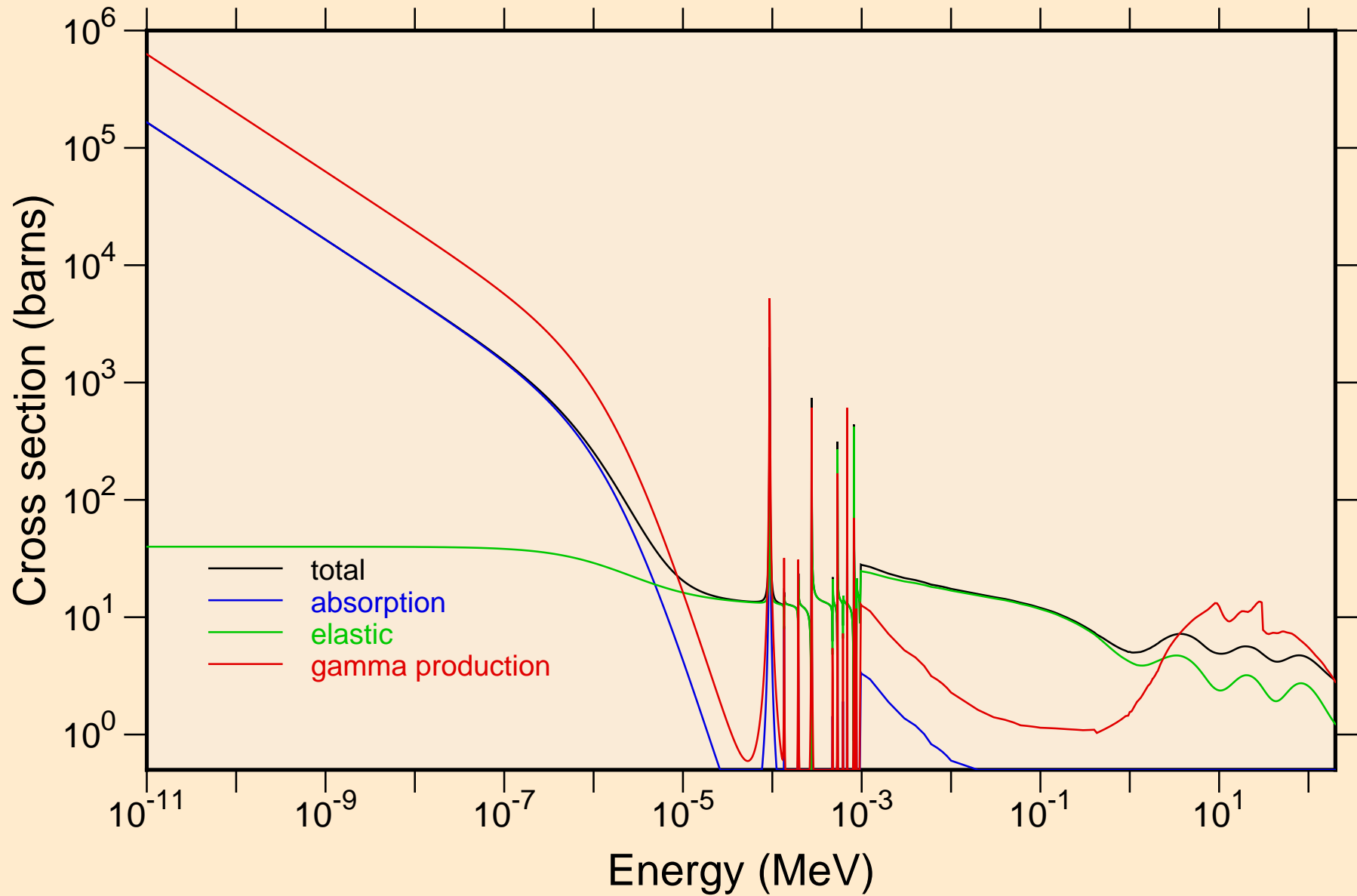
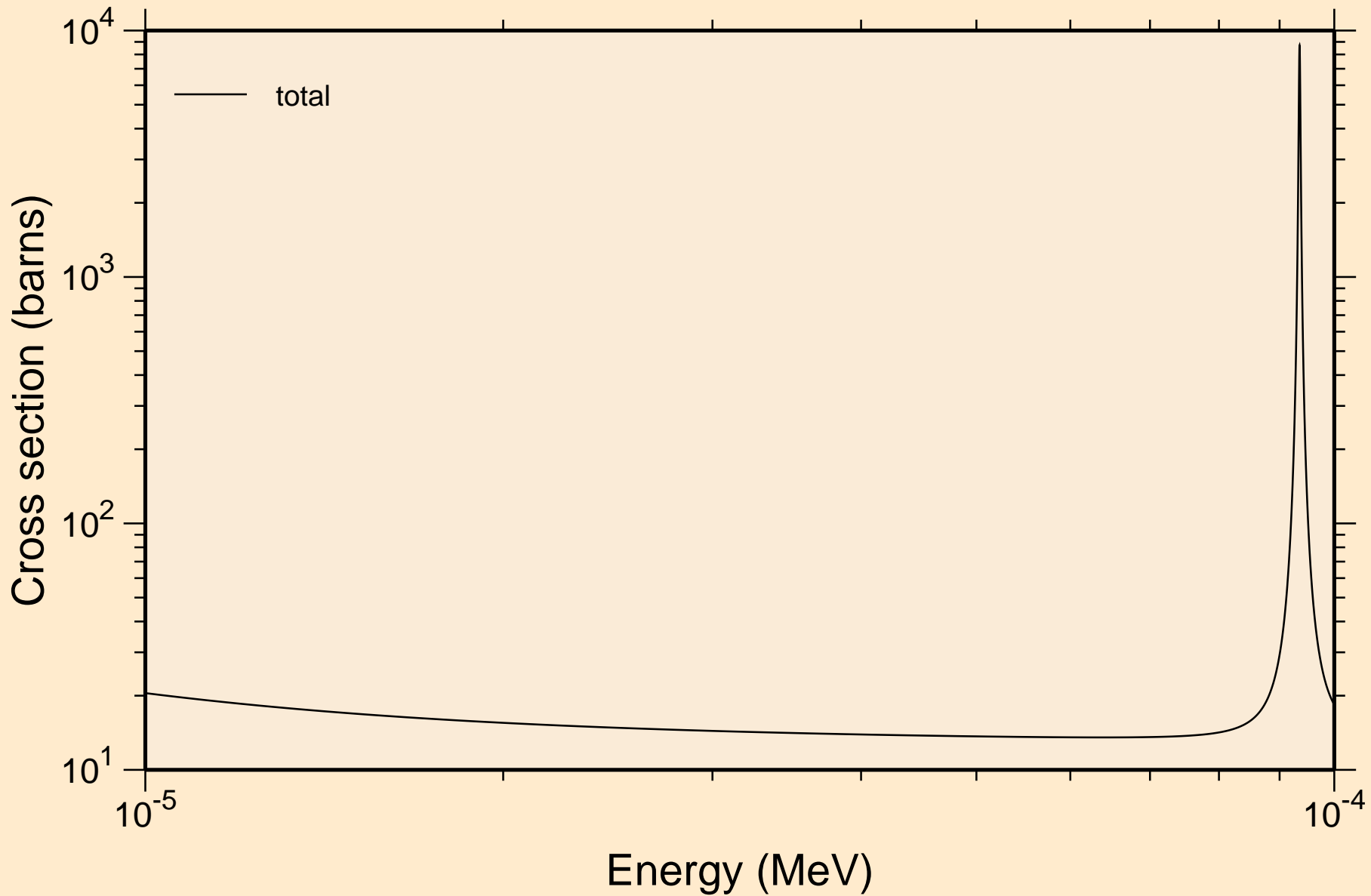


# HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

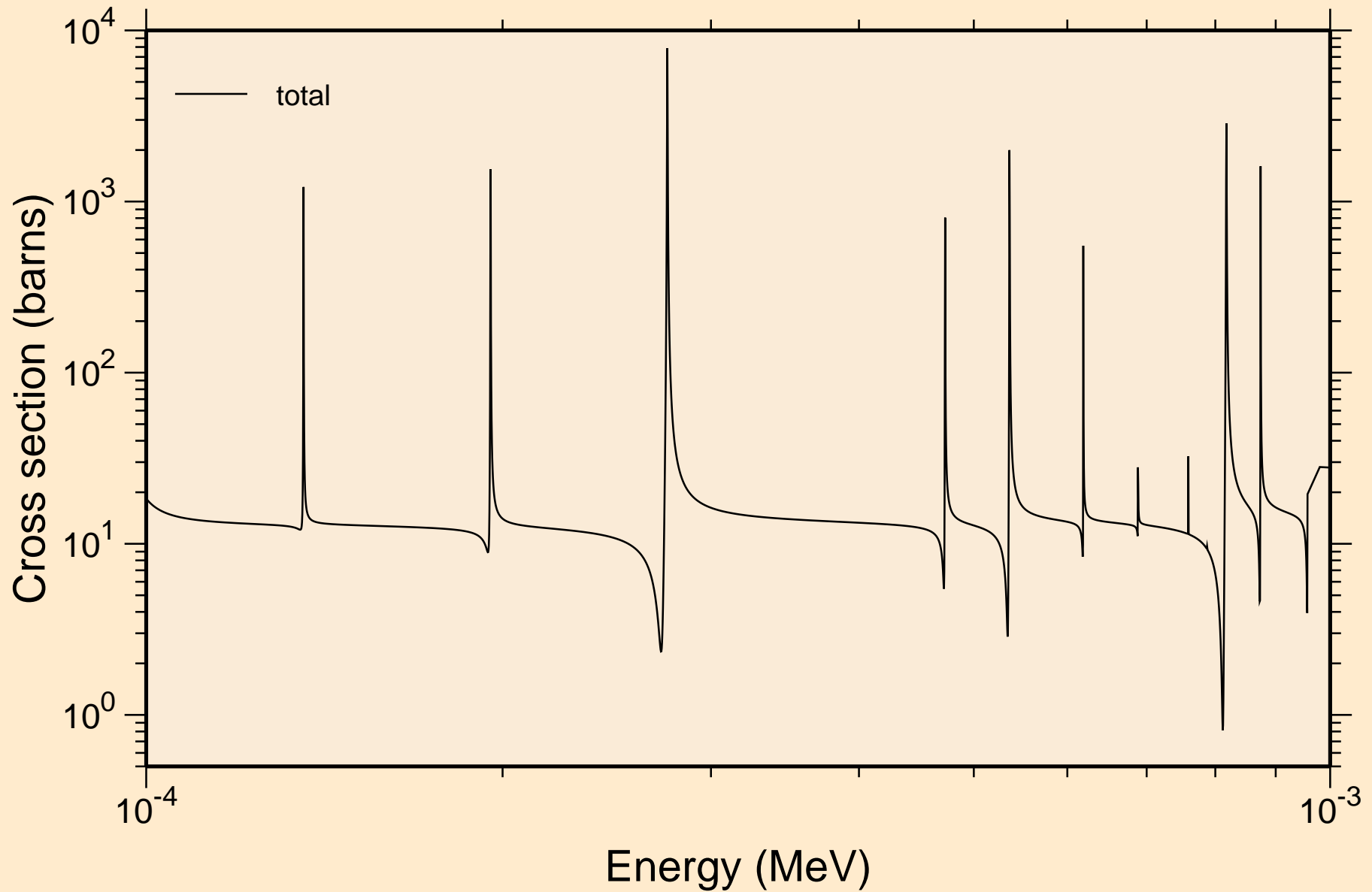
## Principal cross sections



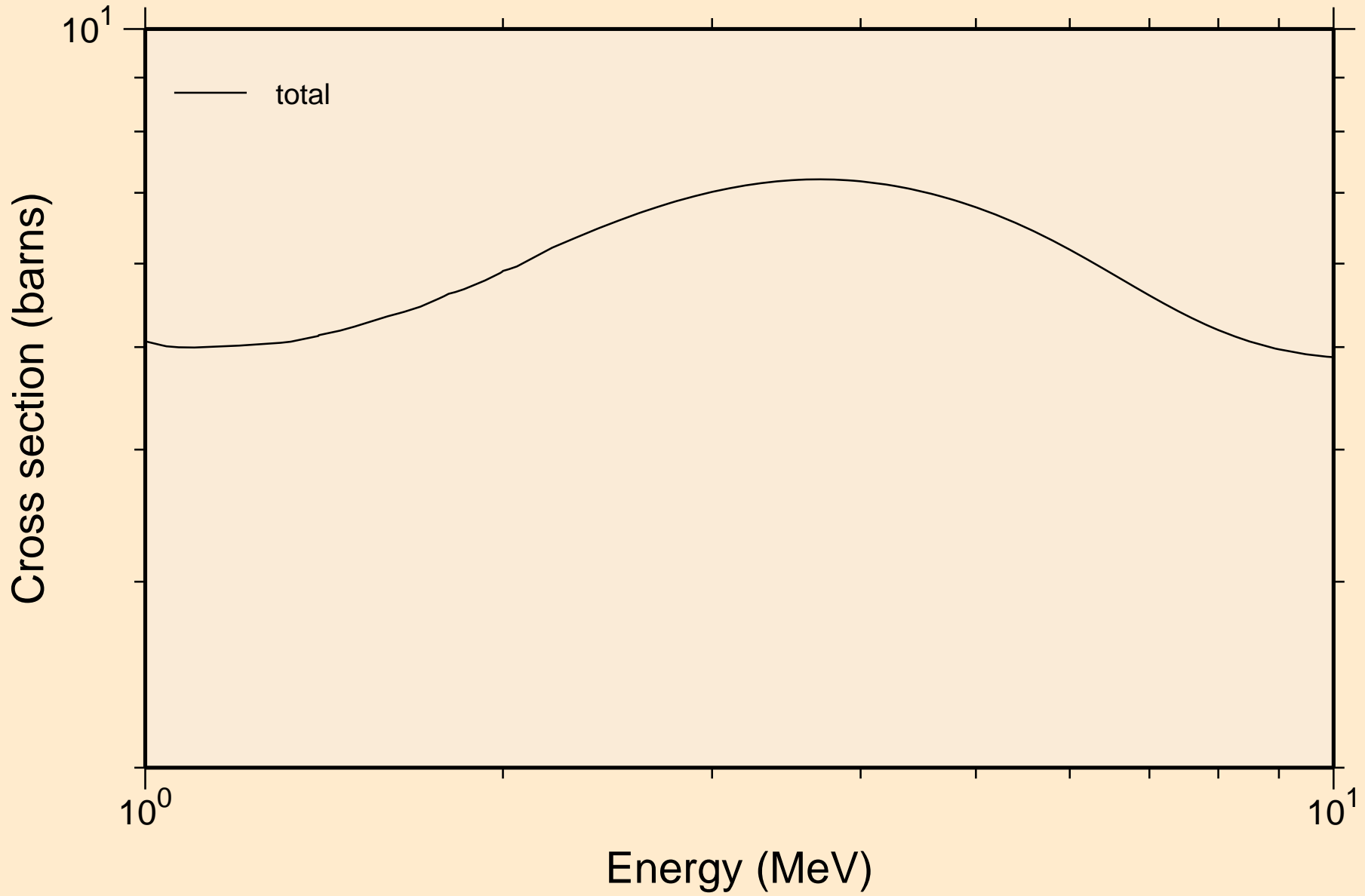
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



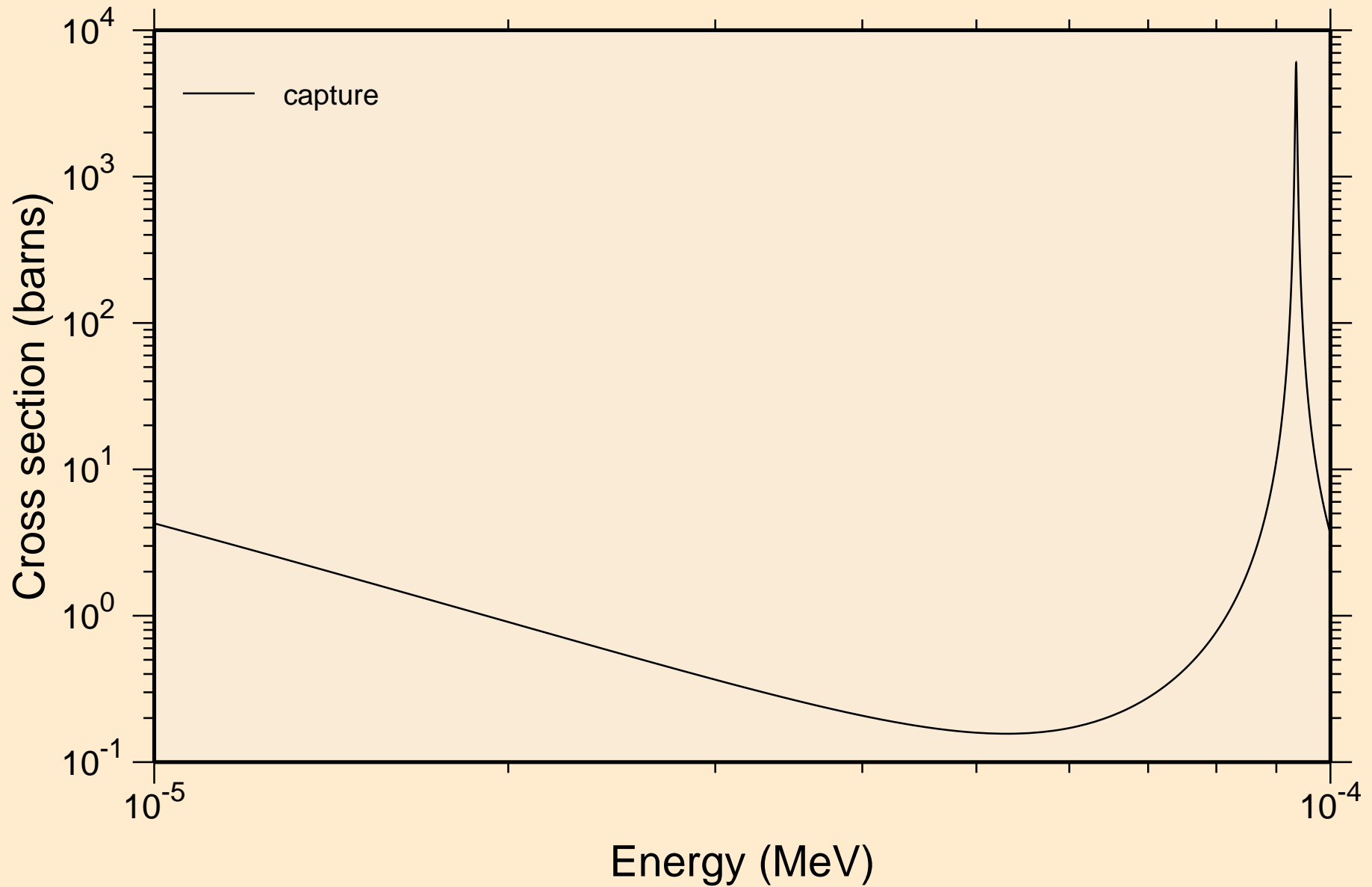
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



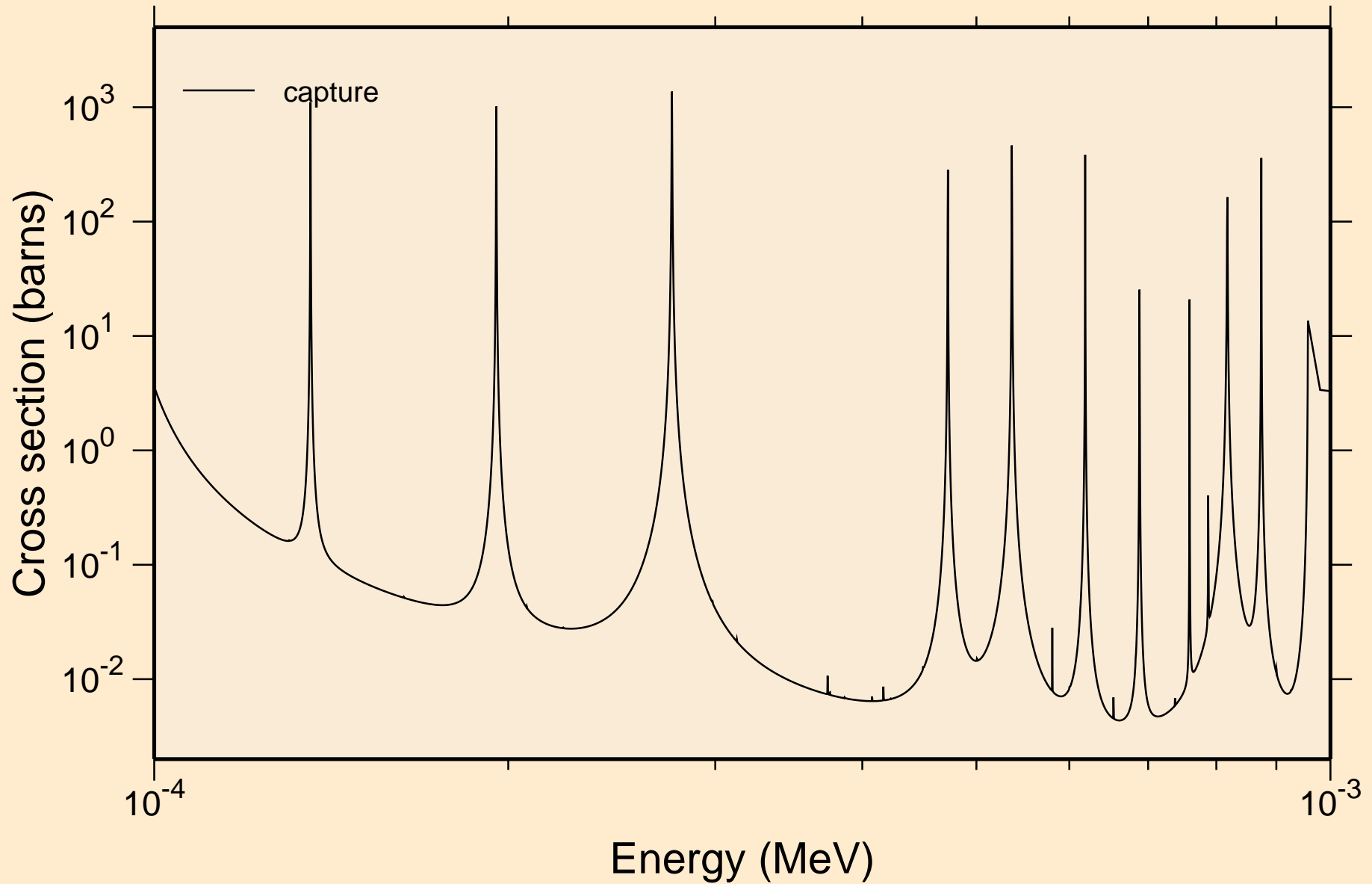
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



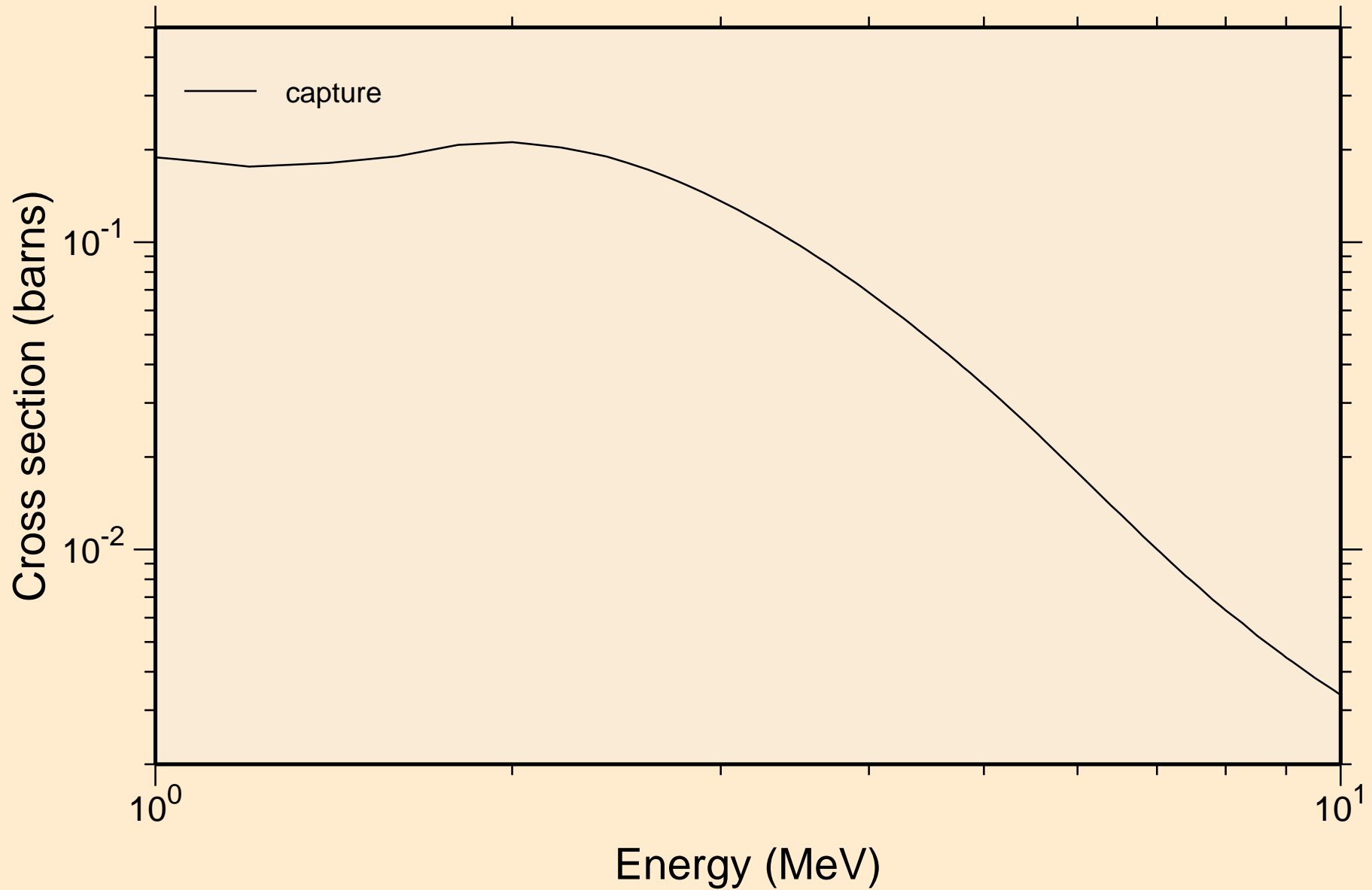
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



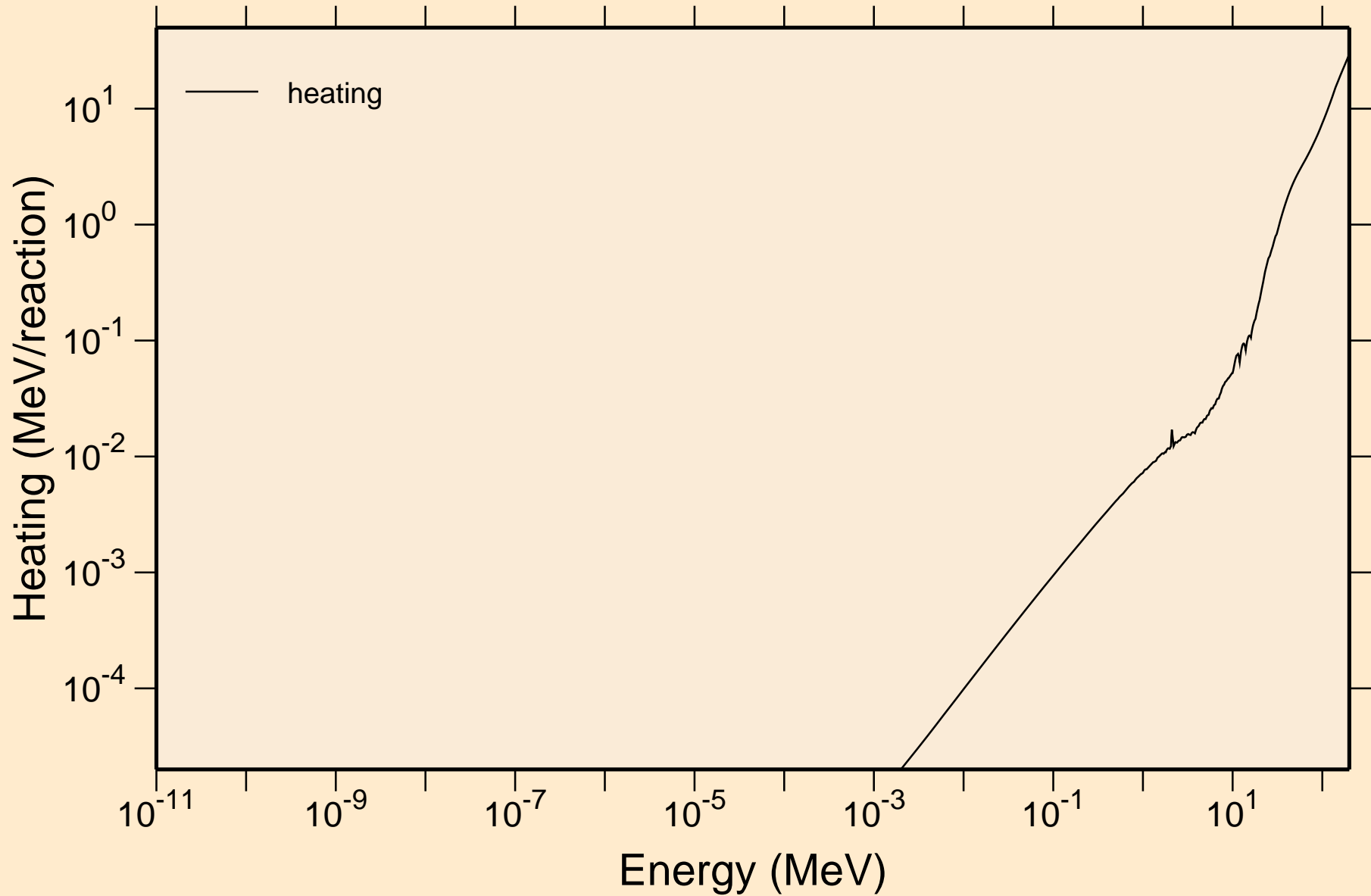
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



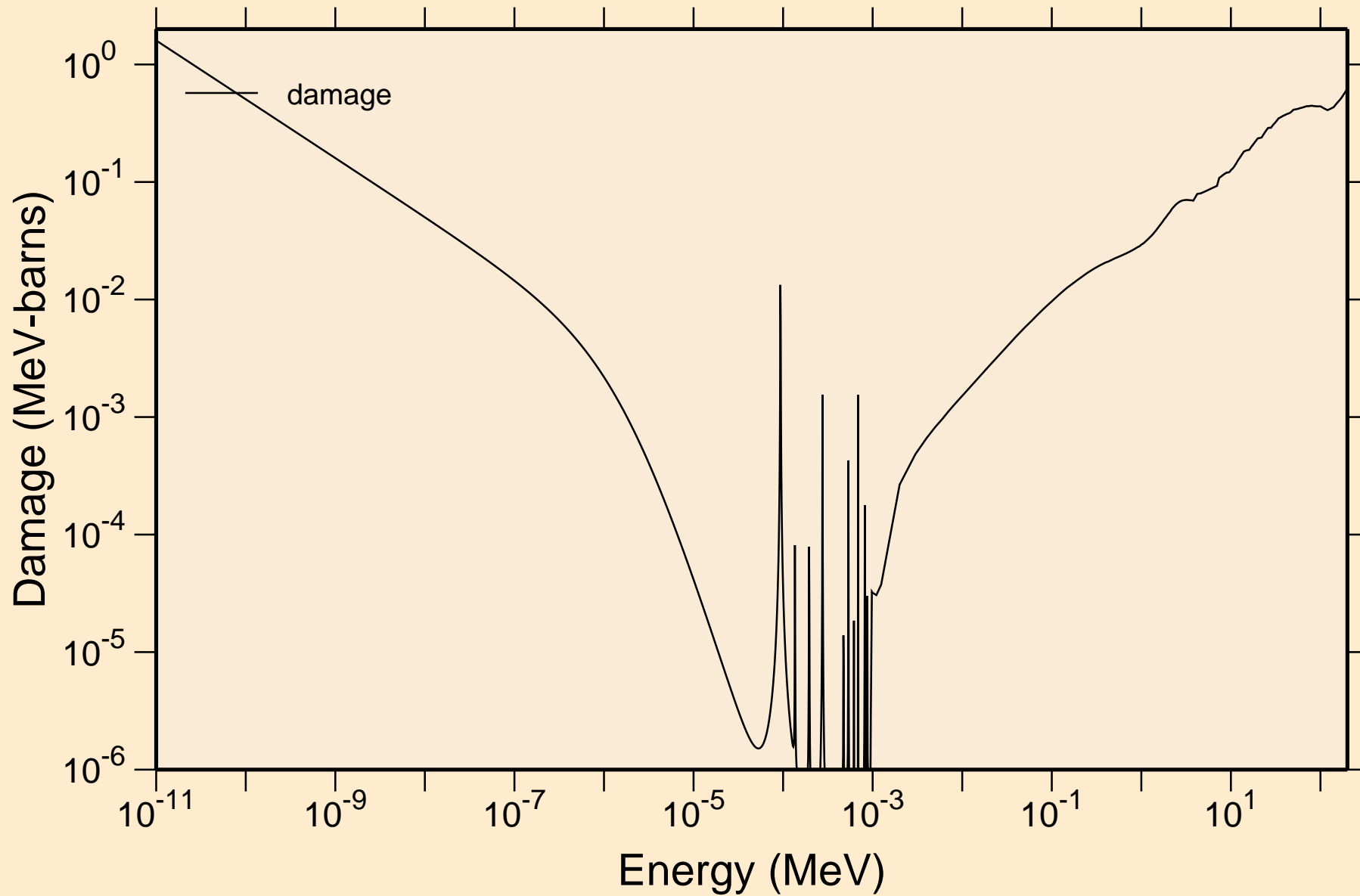
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating





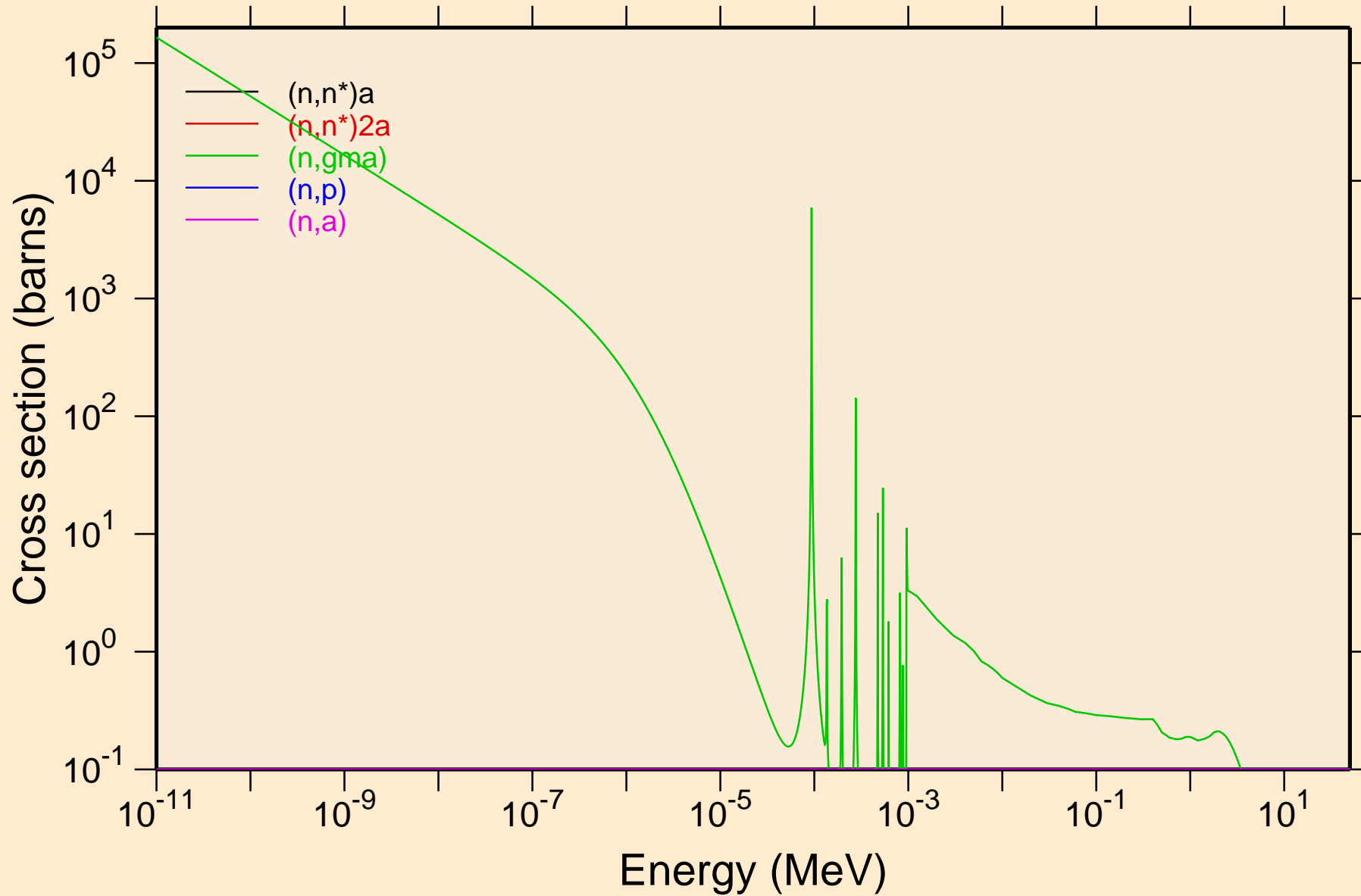
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## Damage

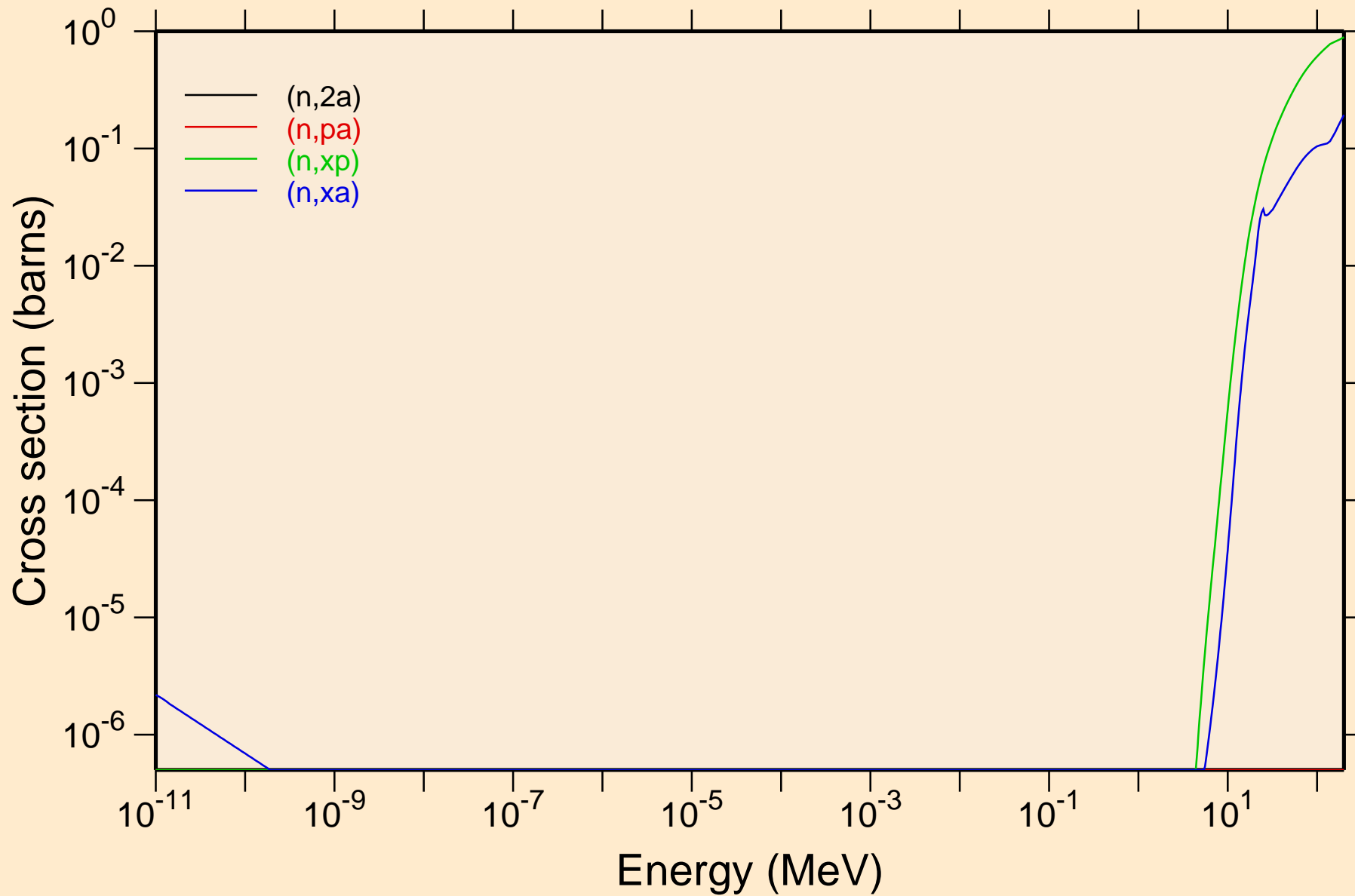


# HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

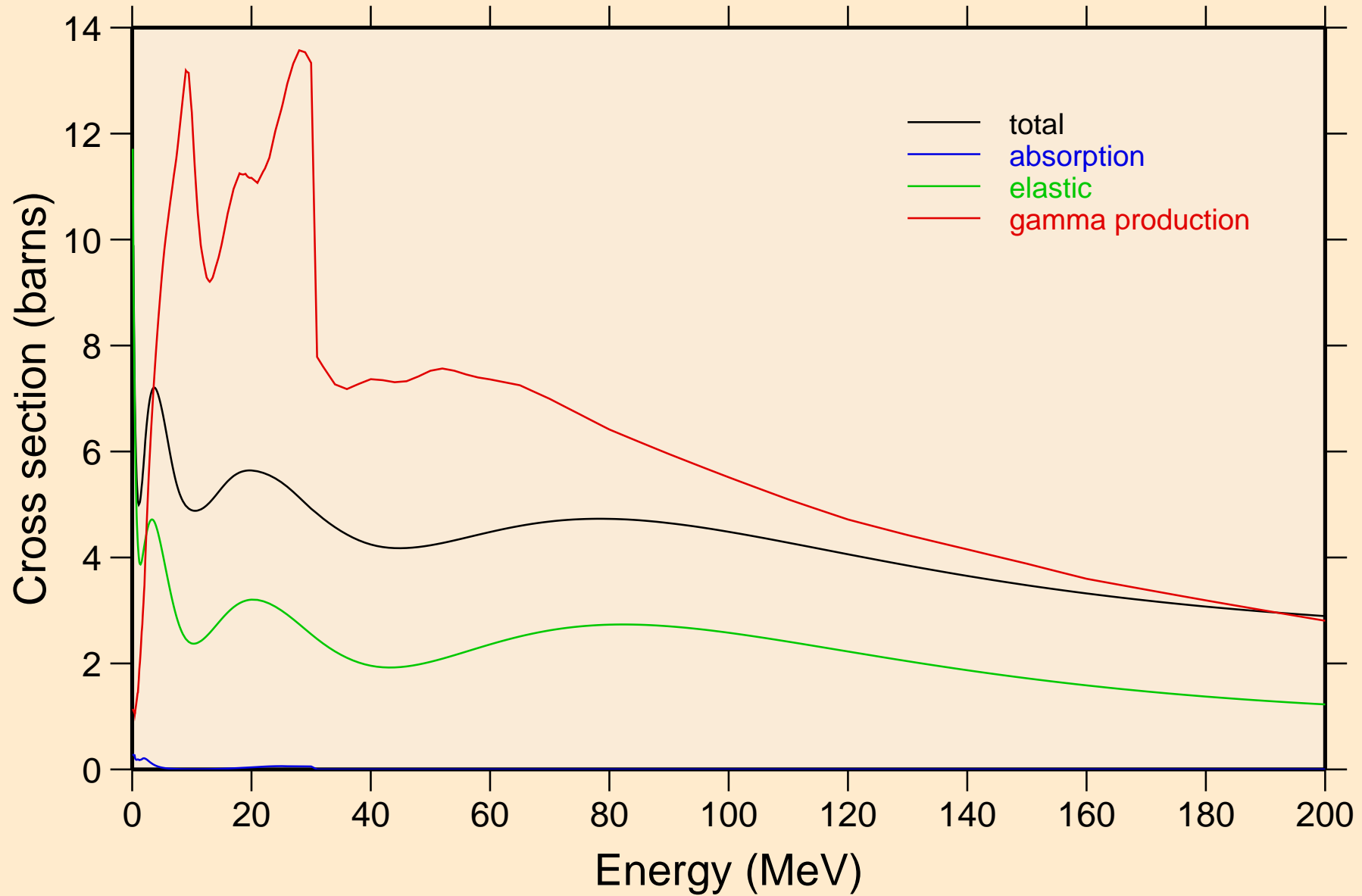


HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



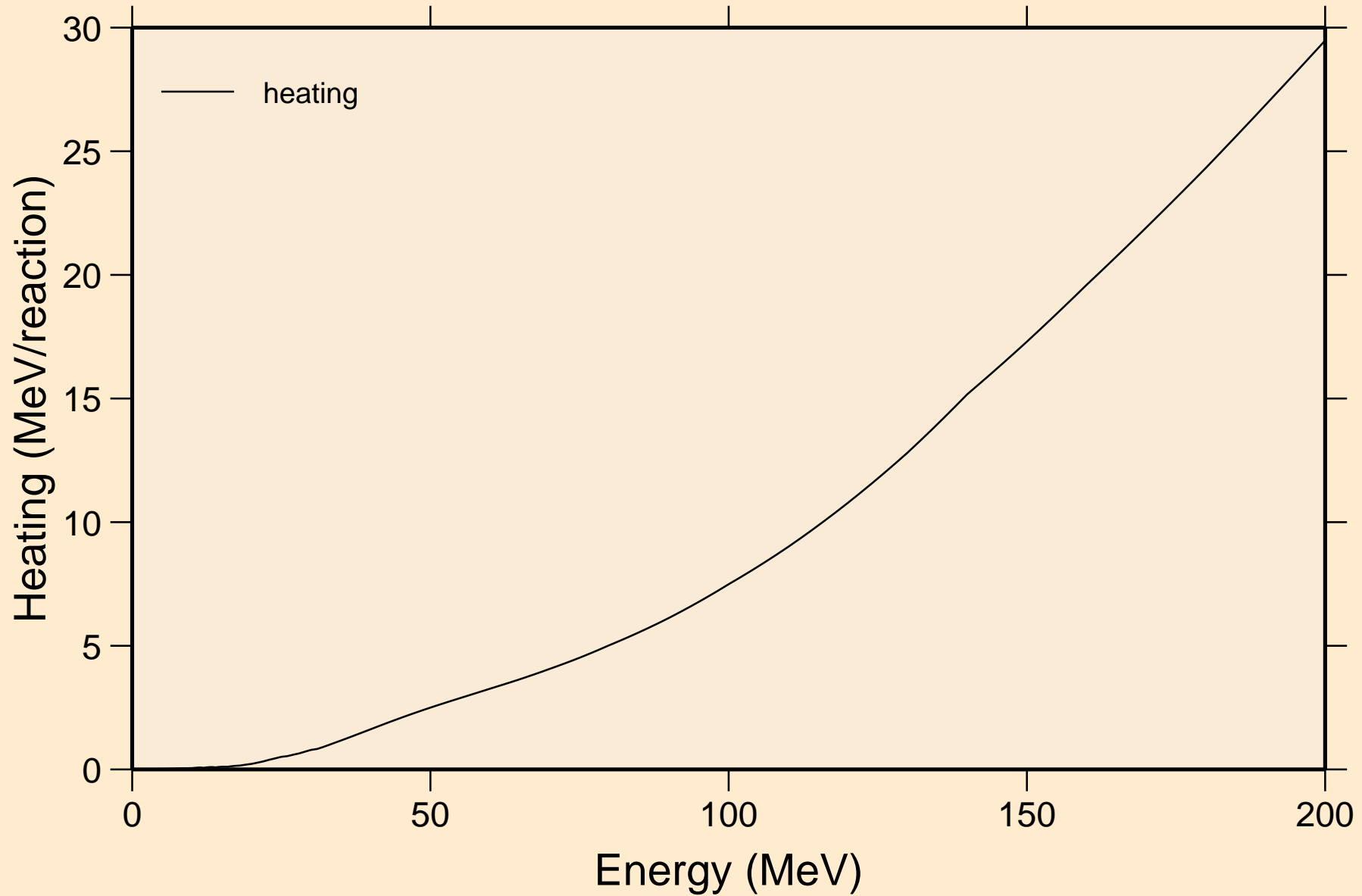
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## Principal cross sections



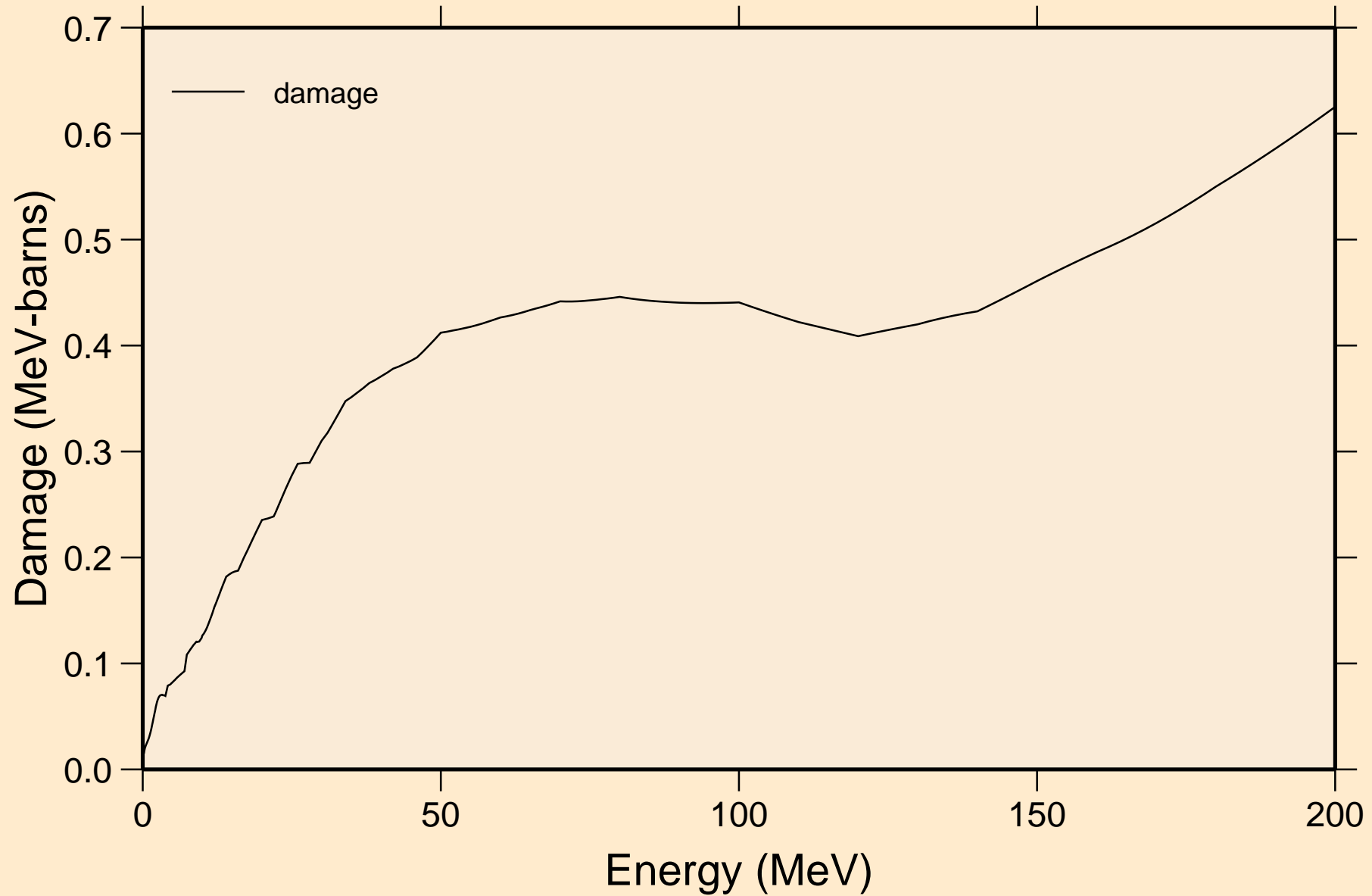
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## Heating



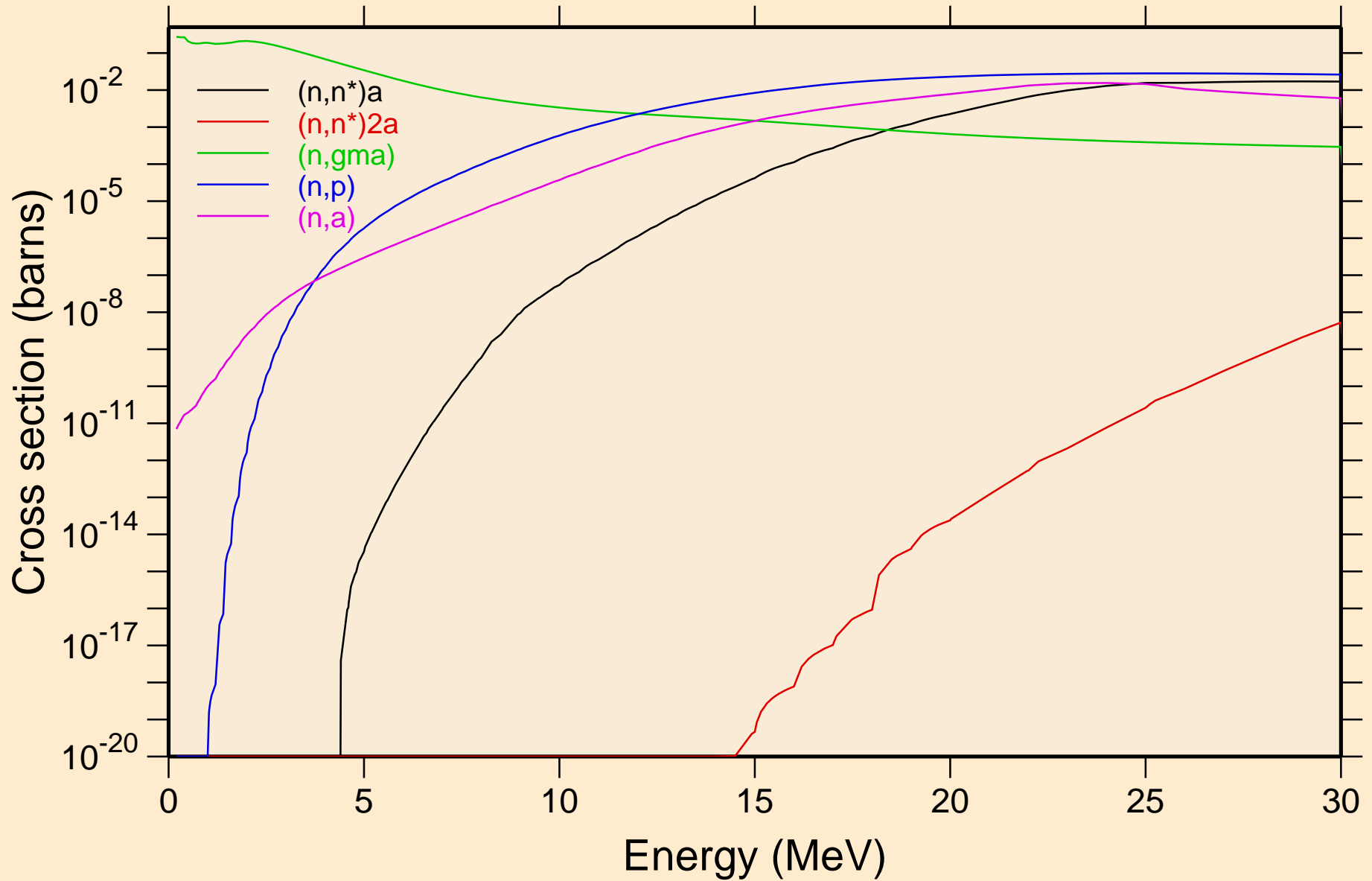
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## Damage

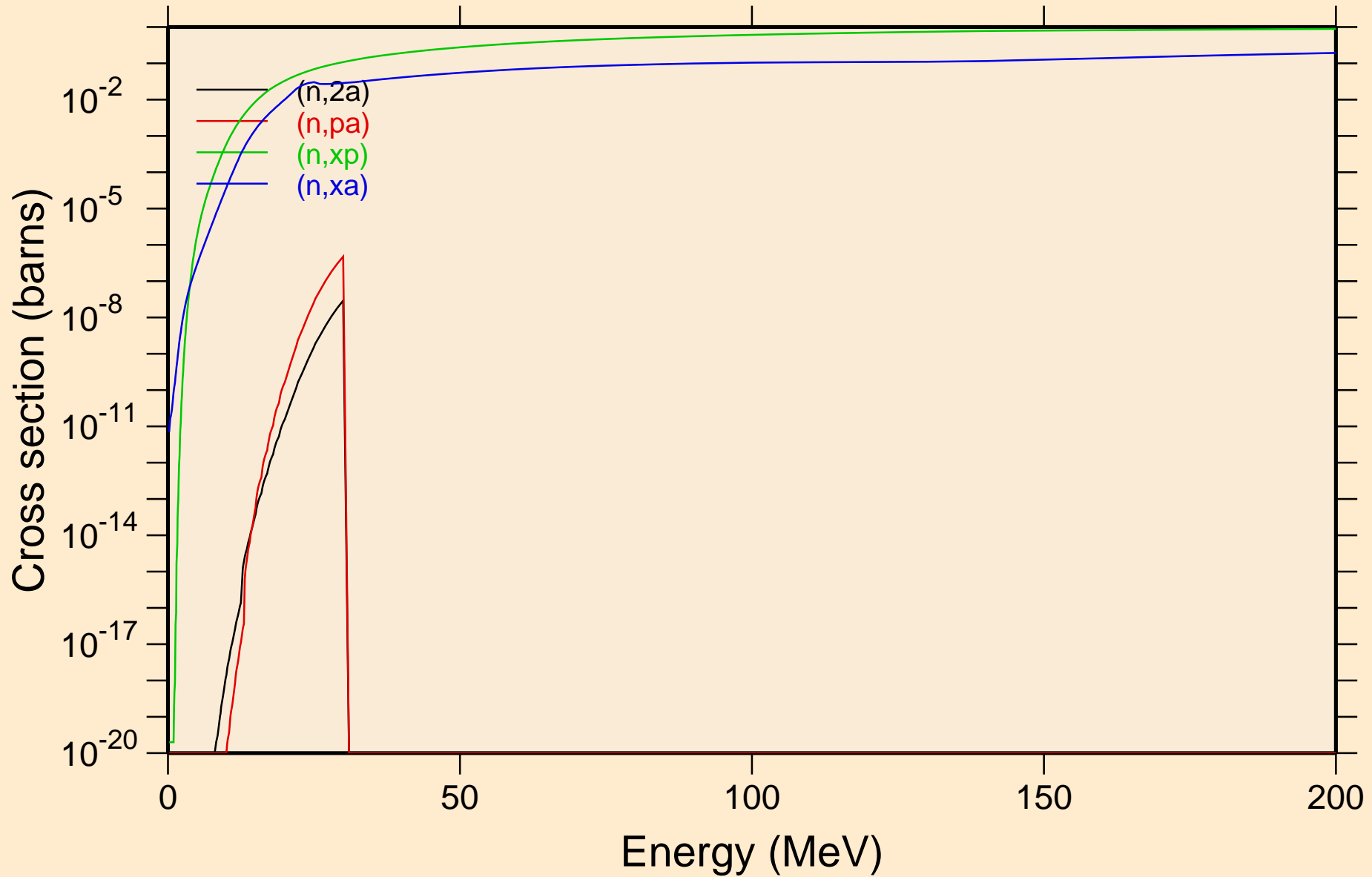


# HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

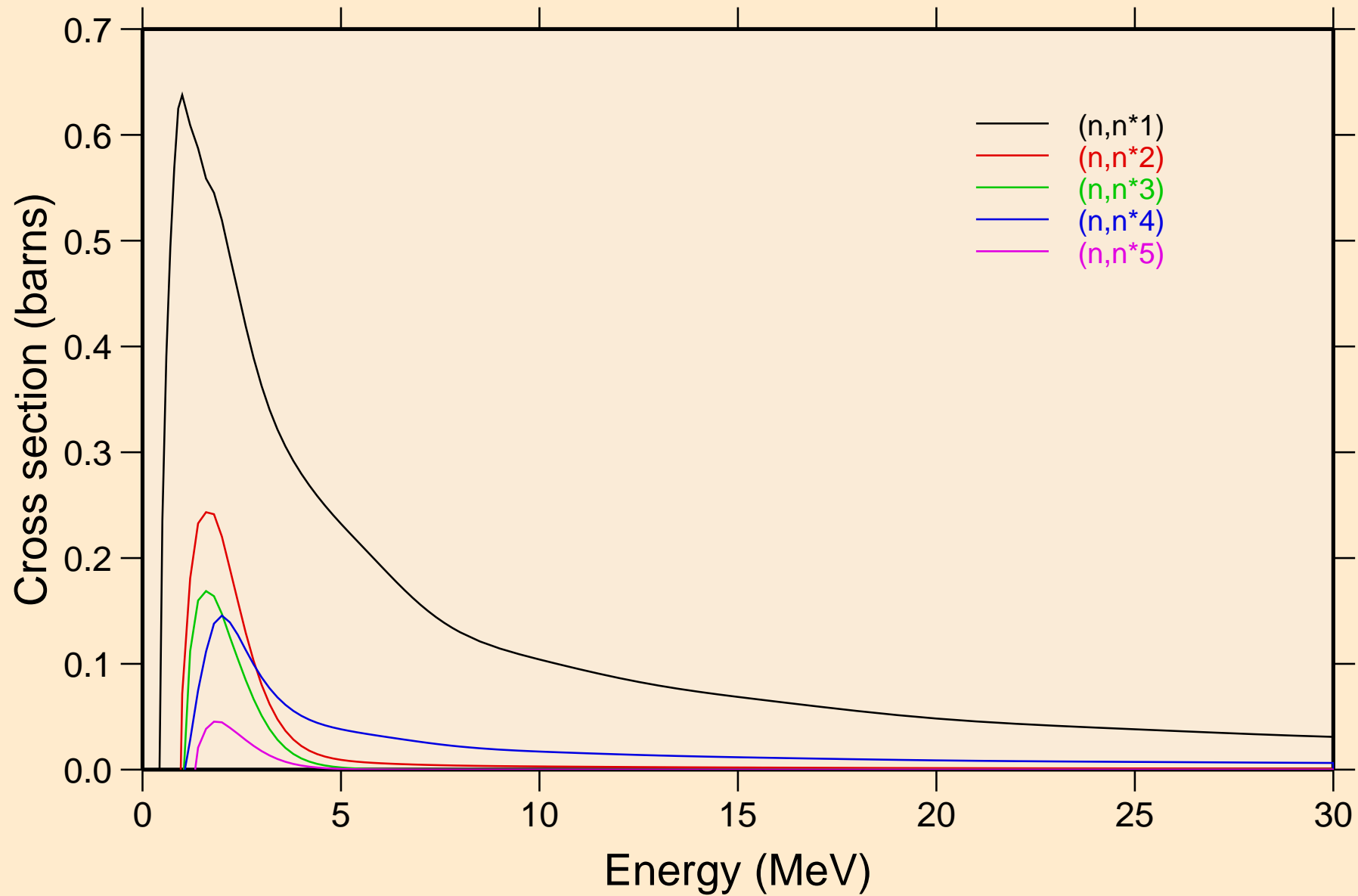


HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



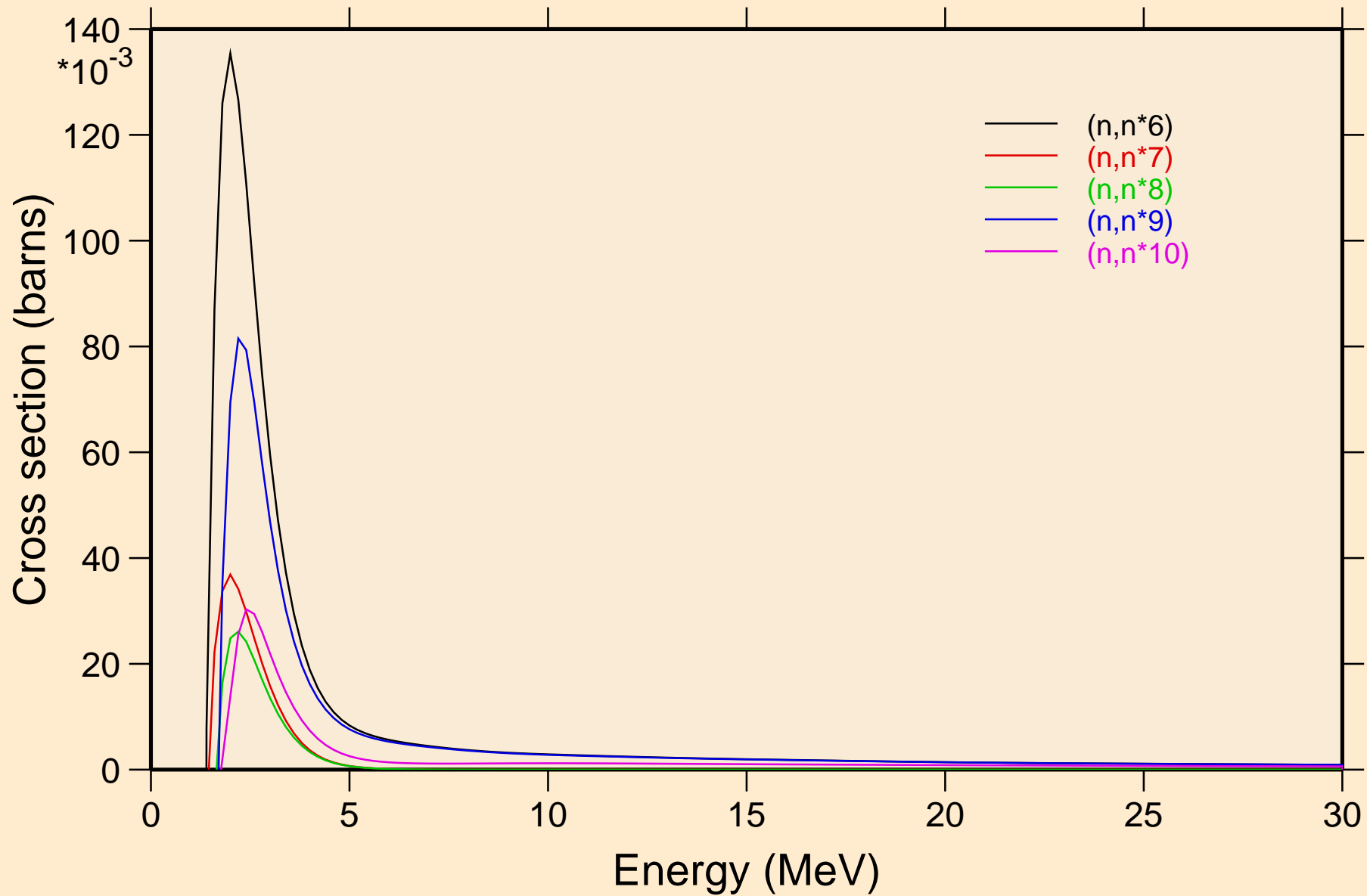


HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

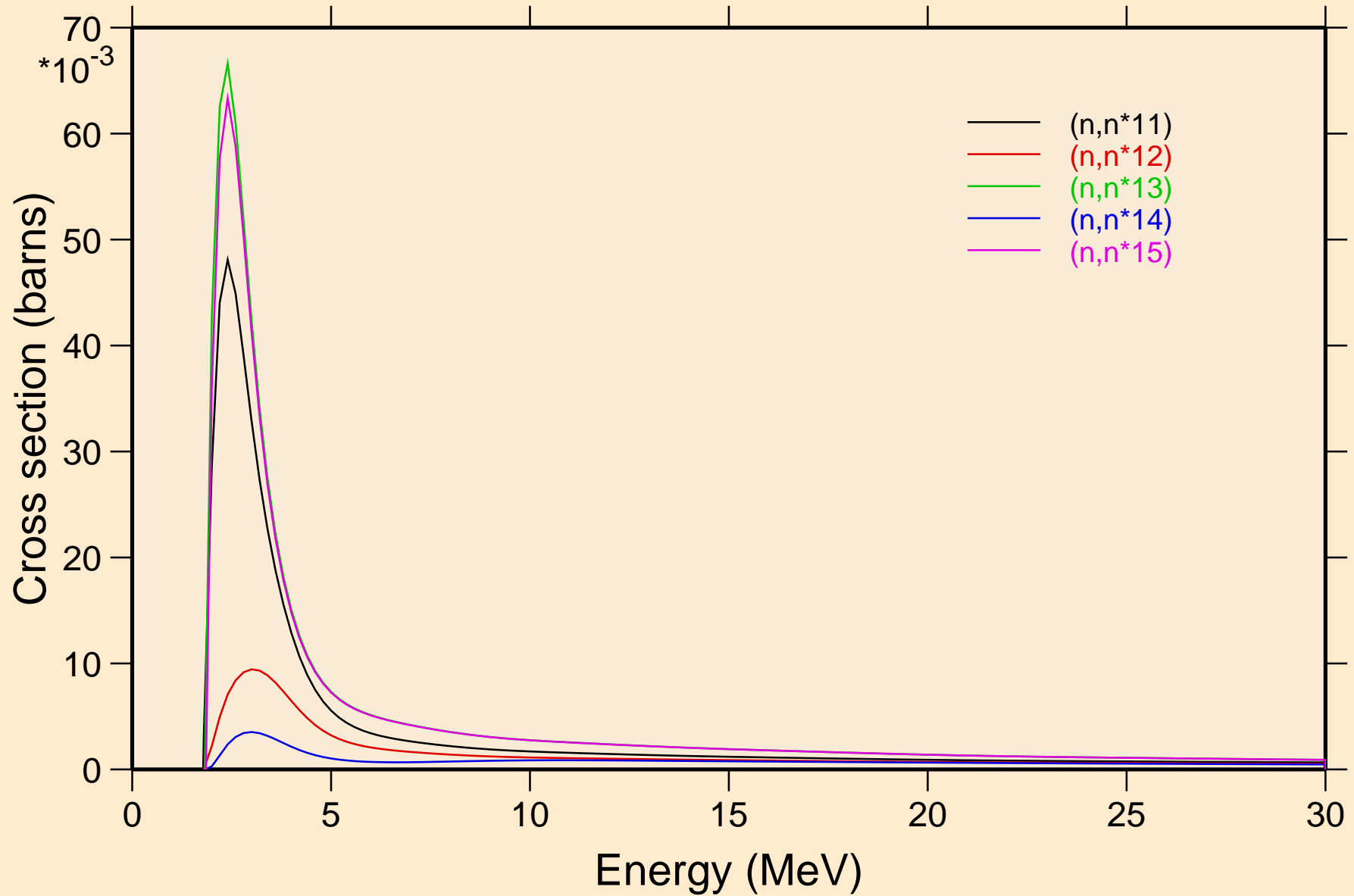


# HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

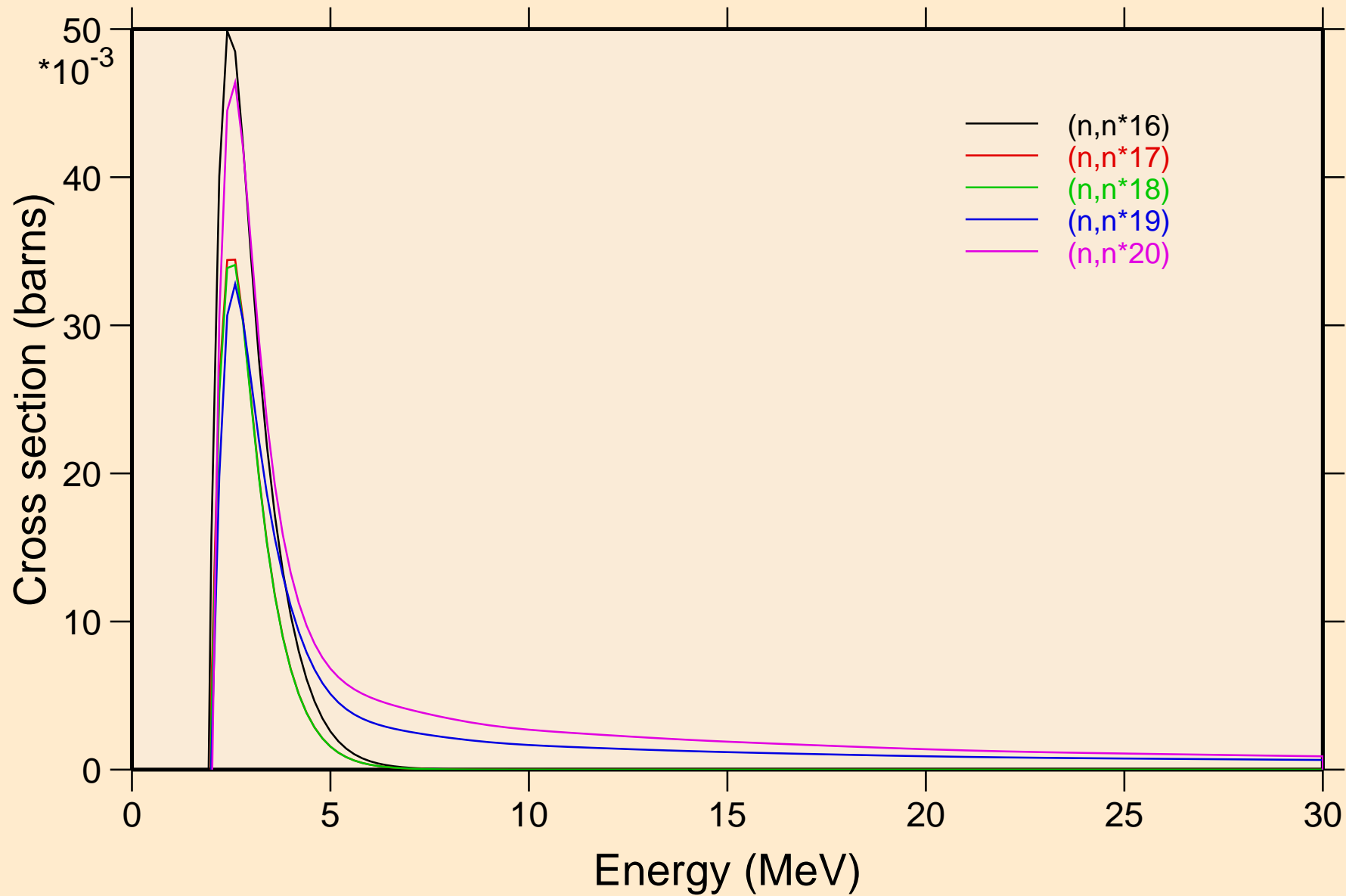
## Inelastic levels



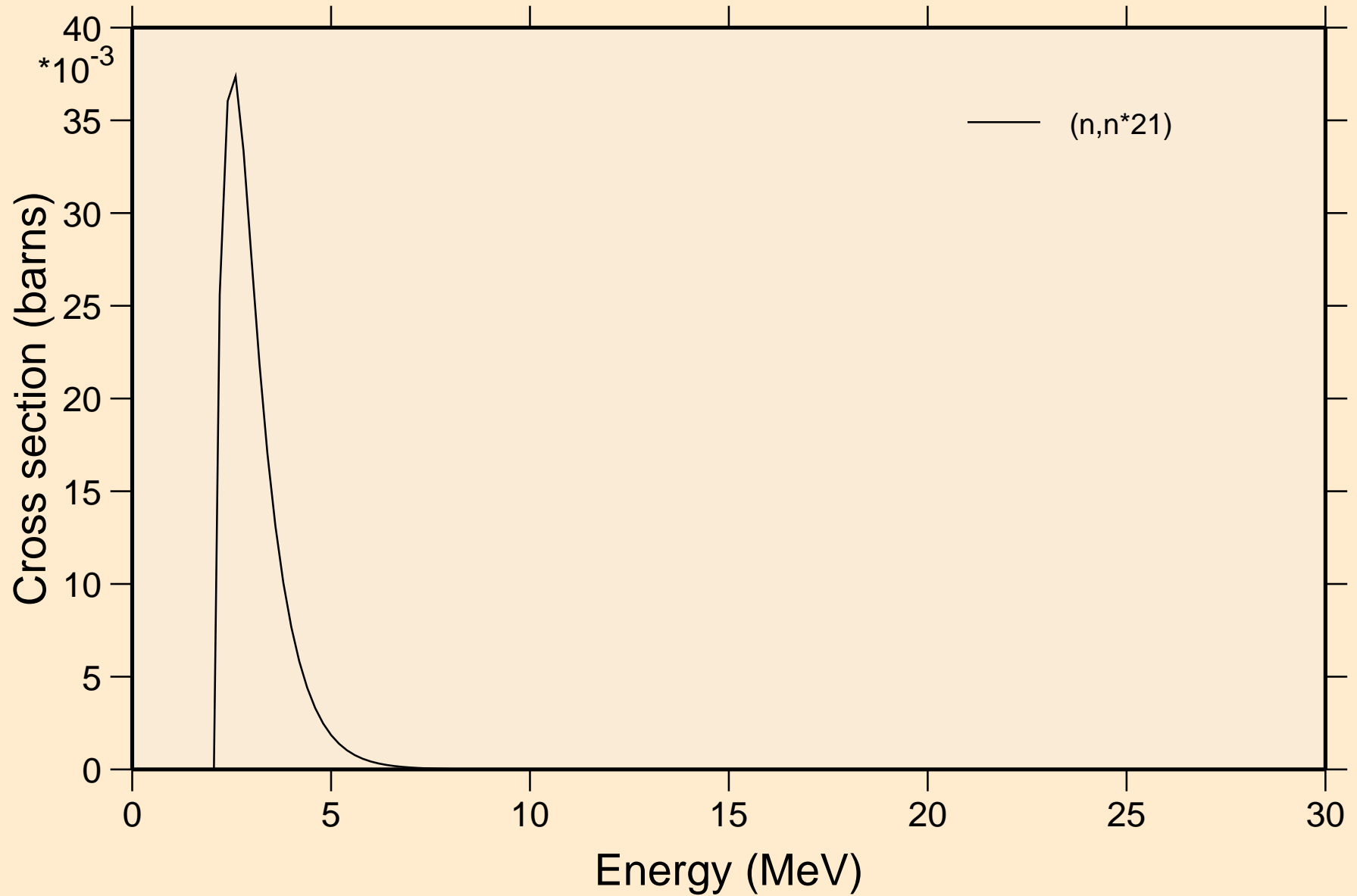
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

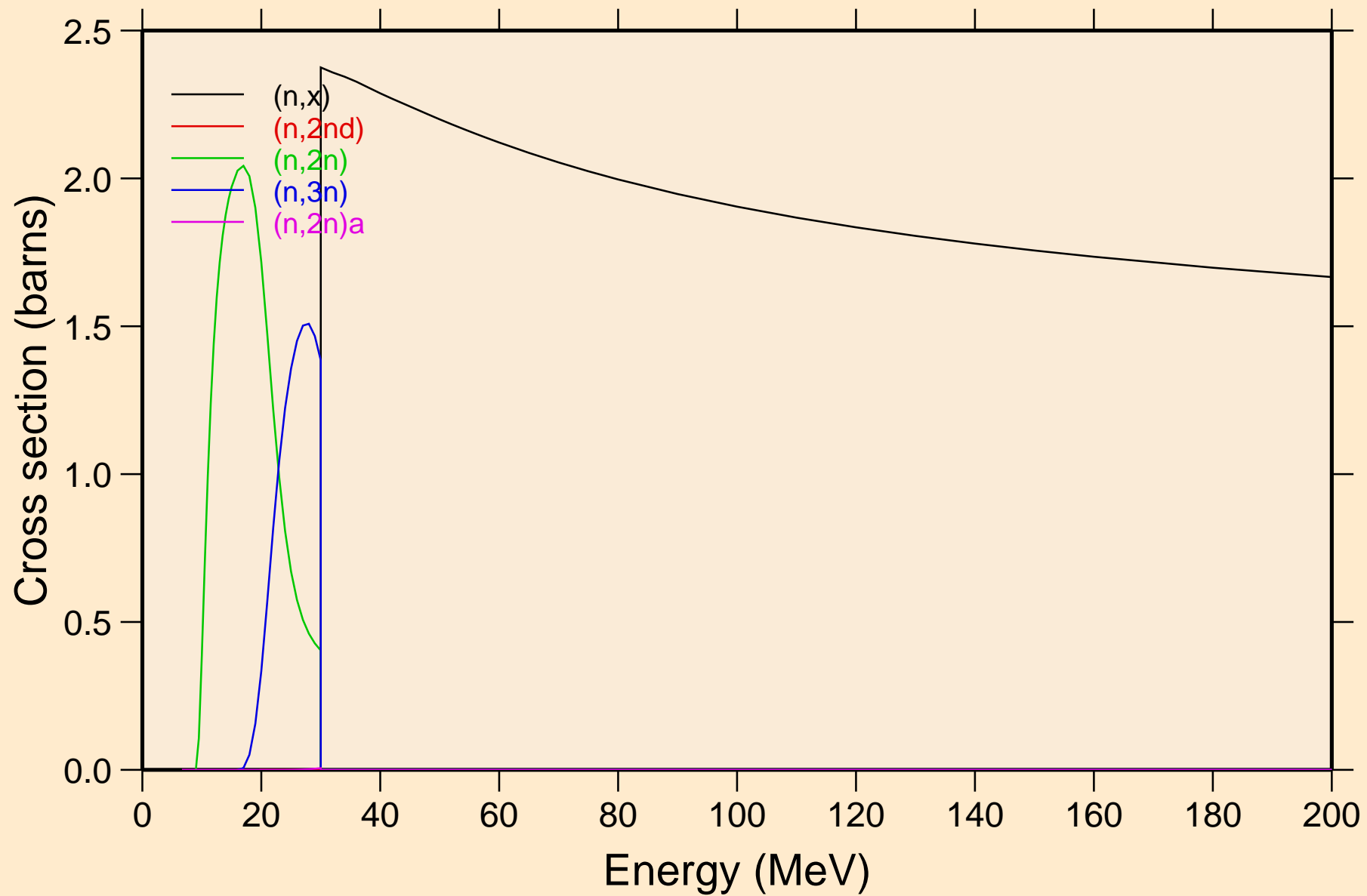


HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



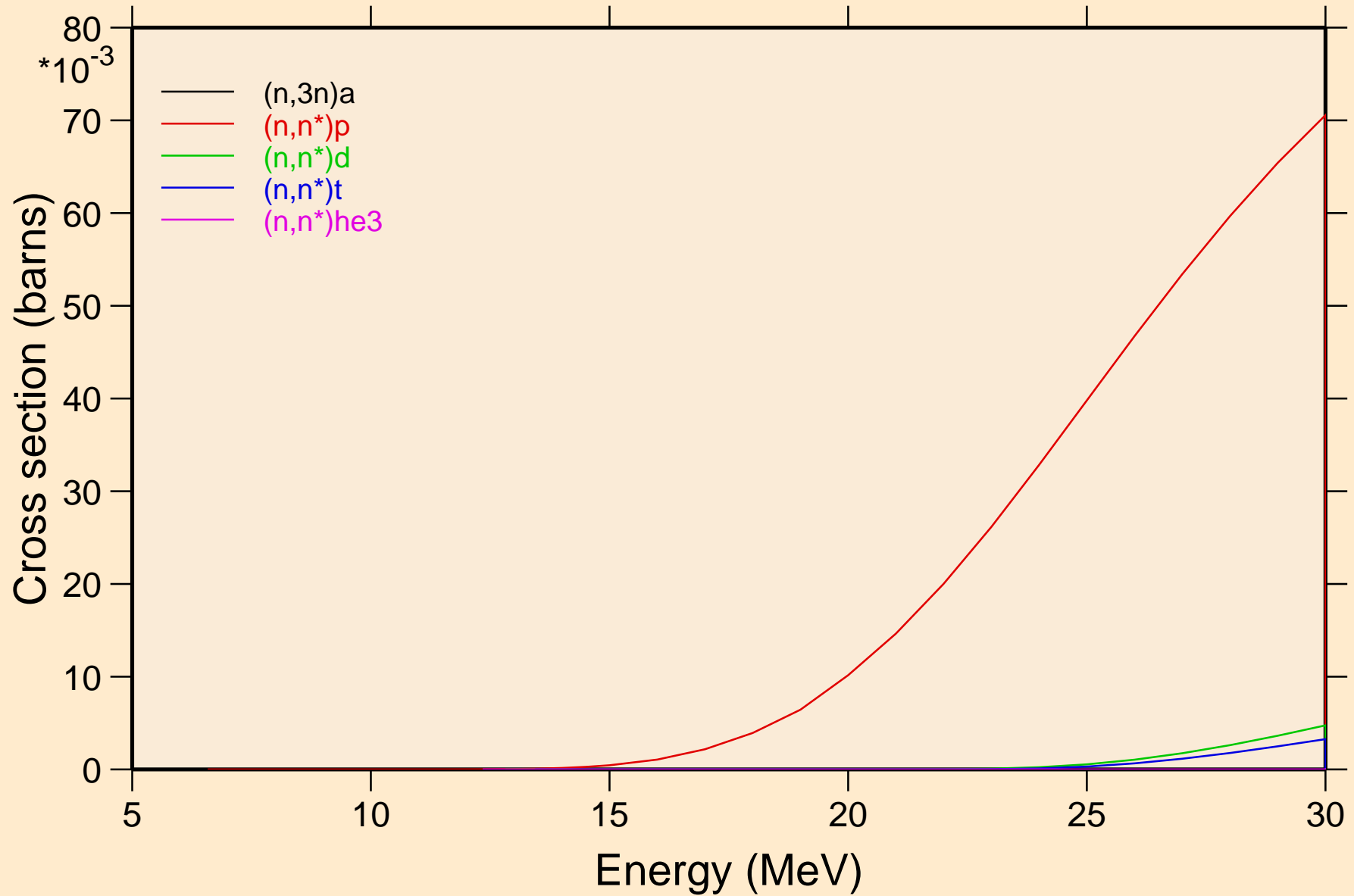
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## Threshold reactions



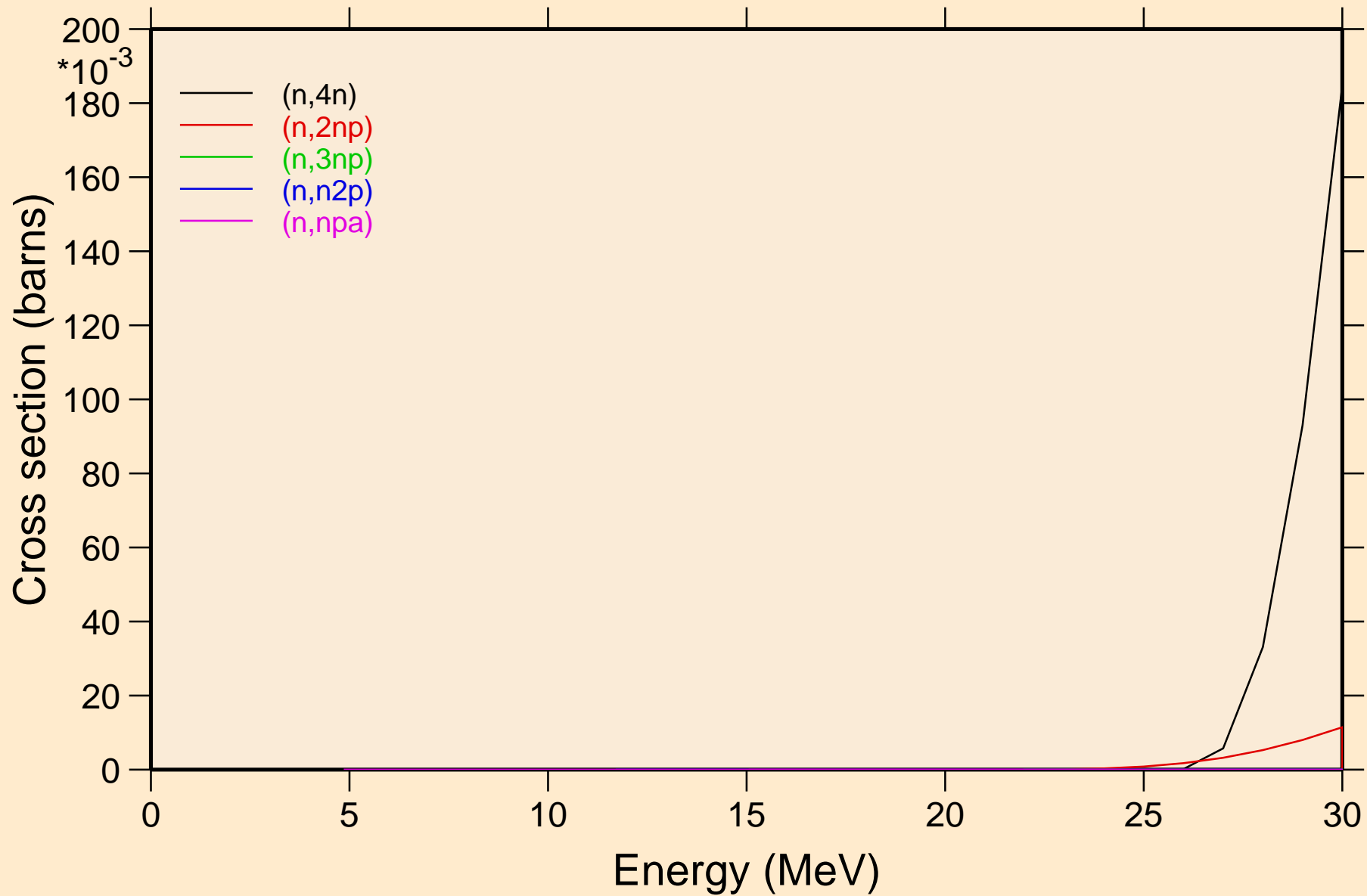
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## Threshold reactions



# HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

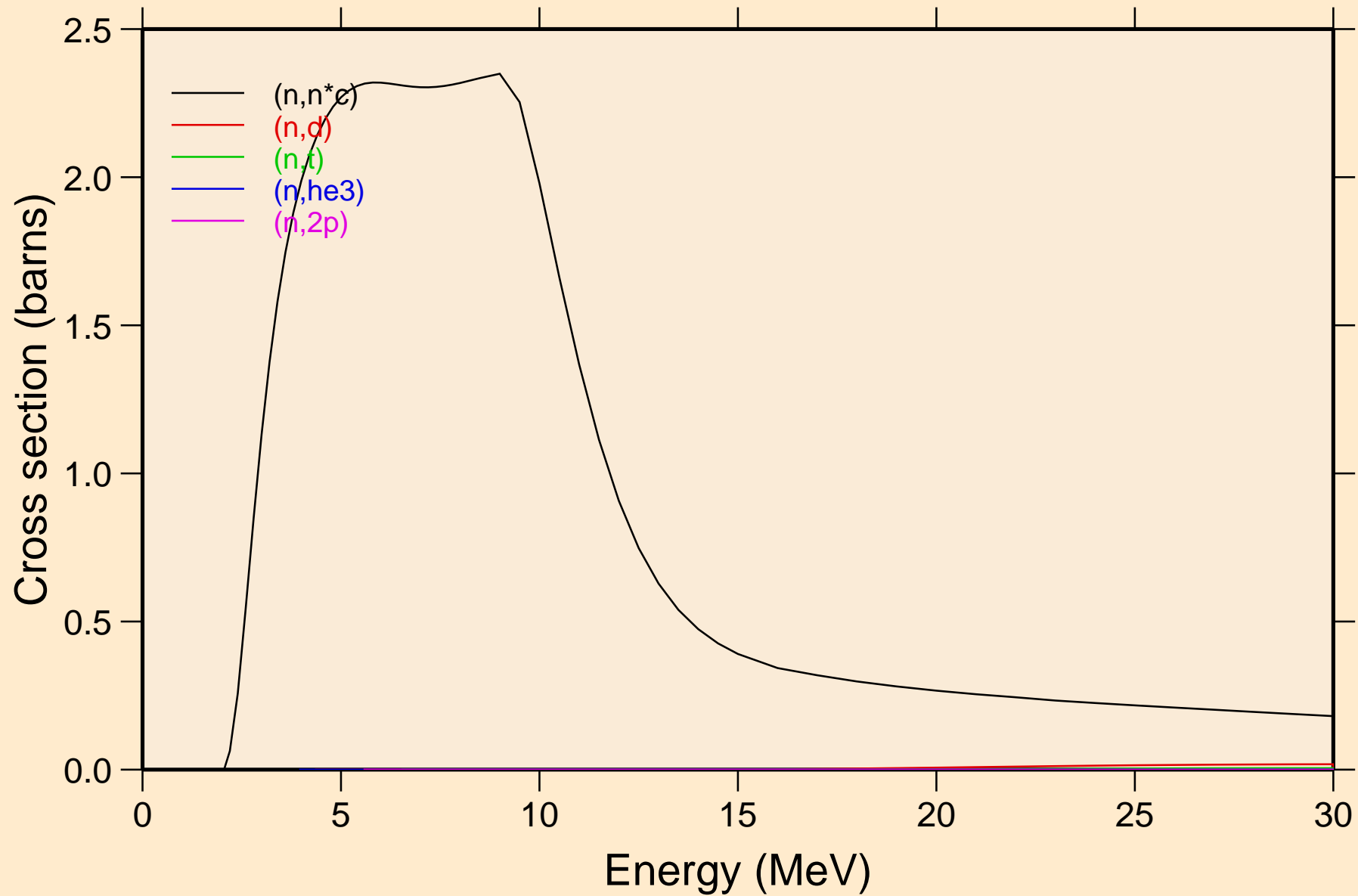
## Threshold reactions





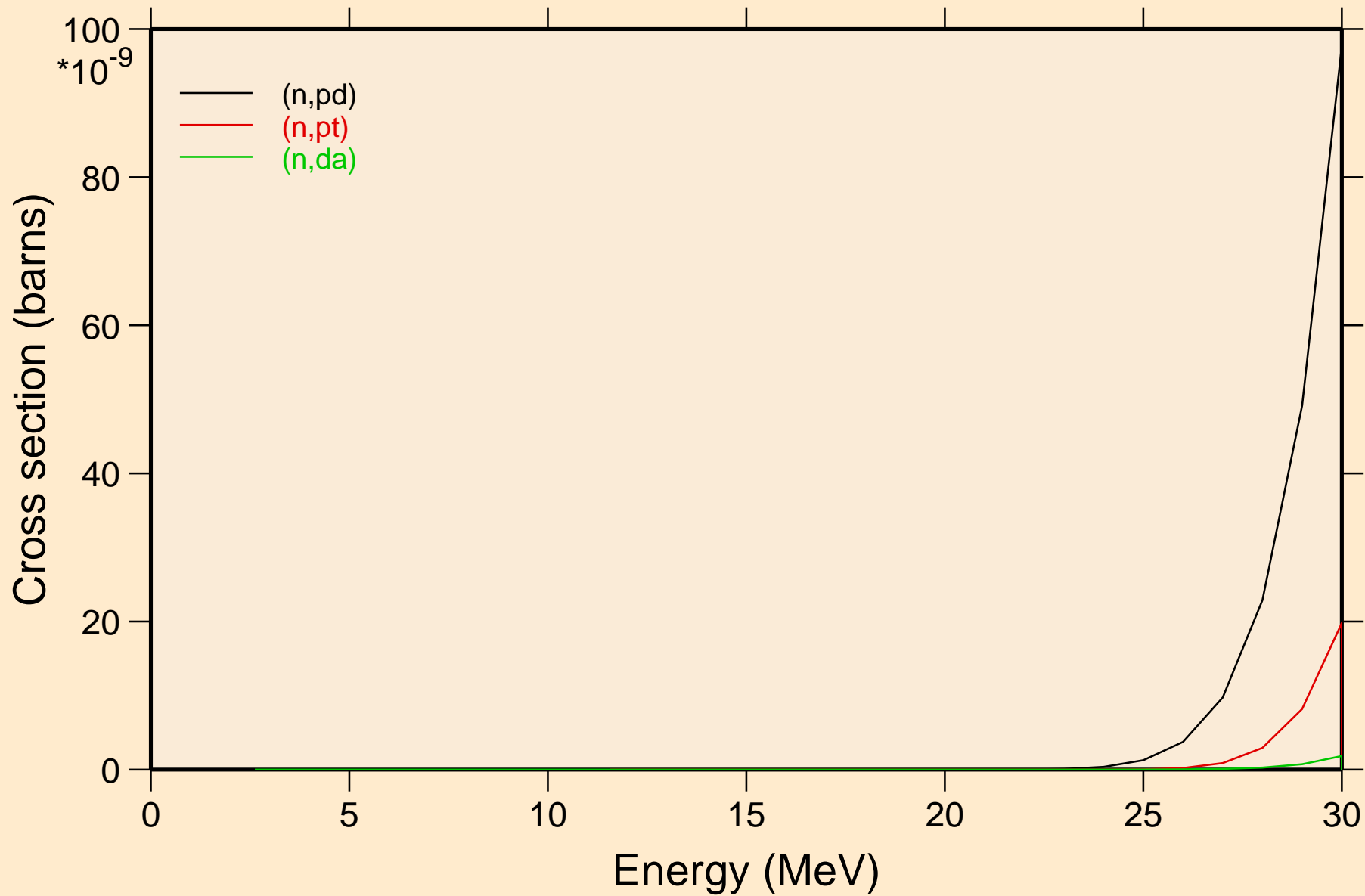
# HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



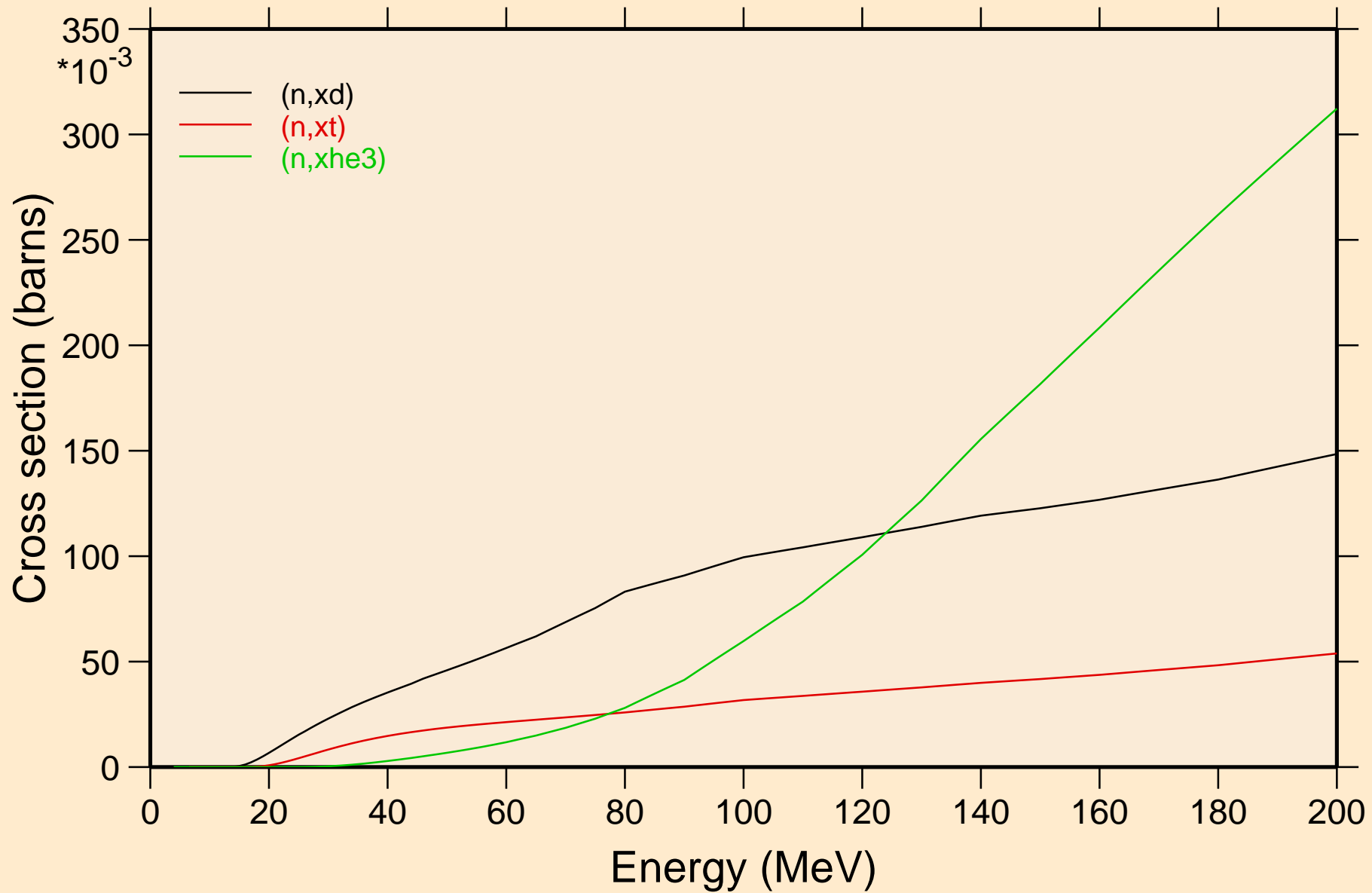
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## Threshold reactions

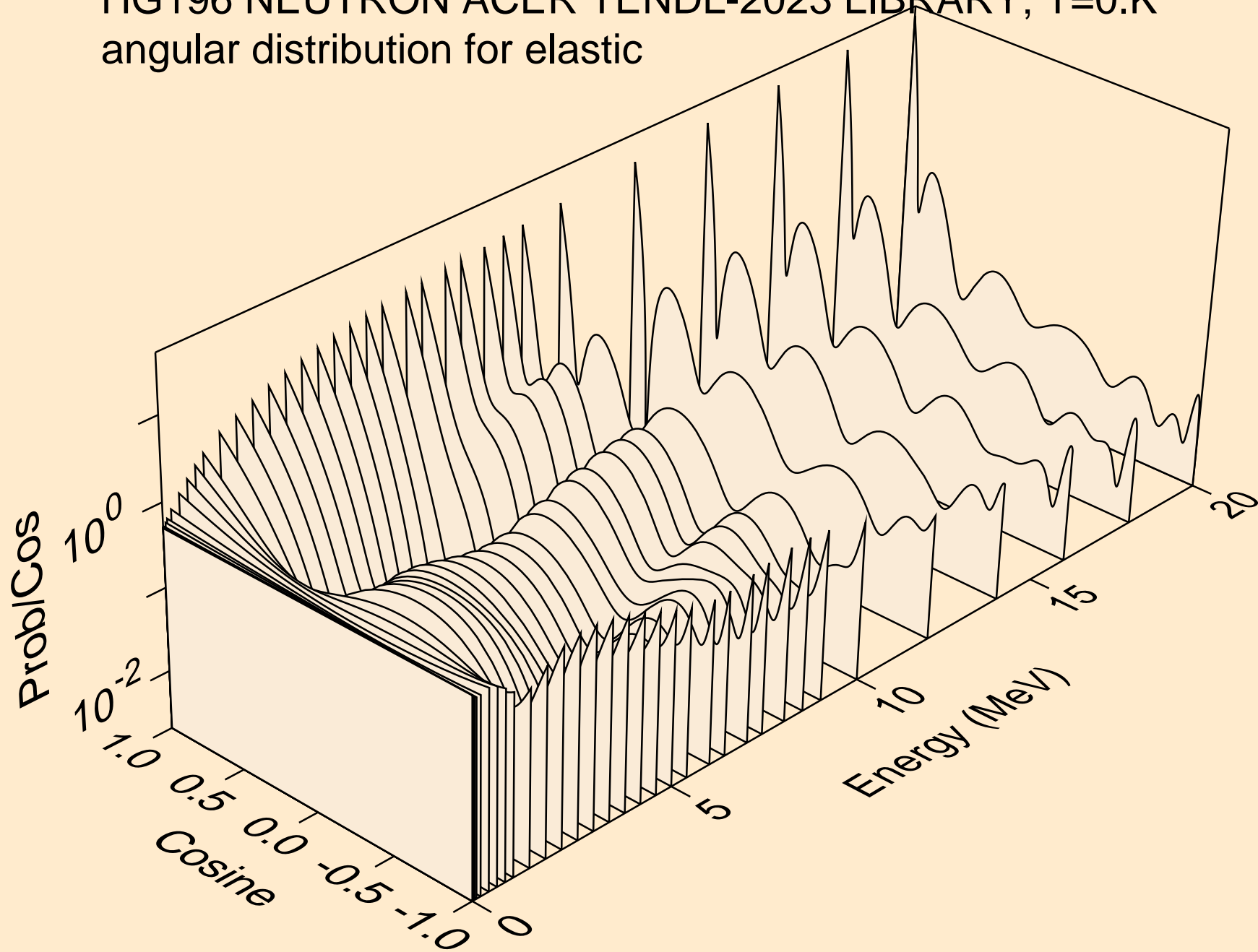


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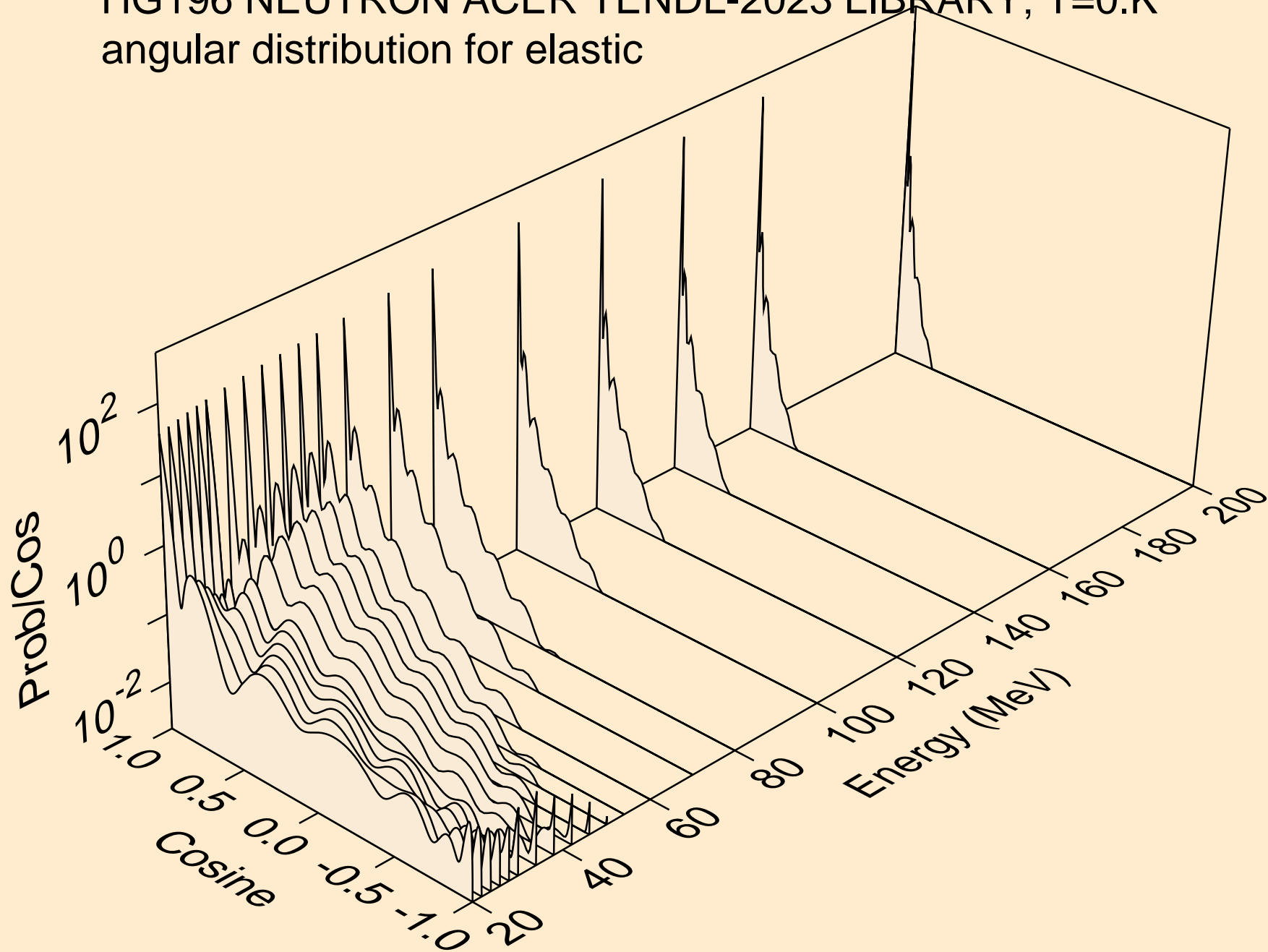
## Threshold reactions



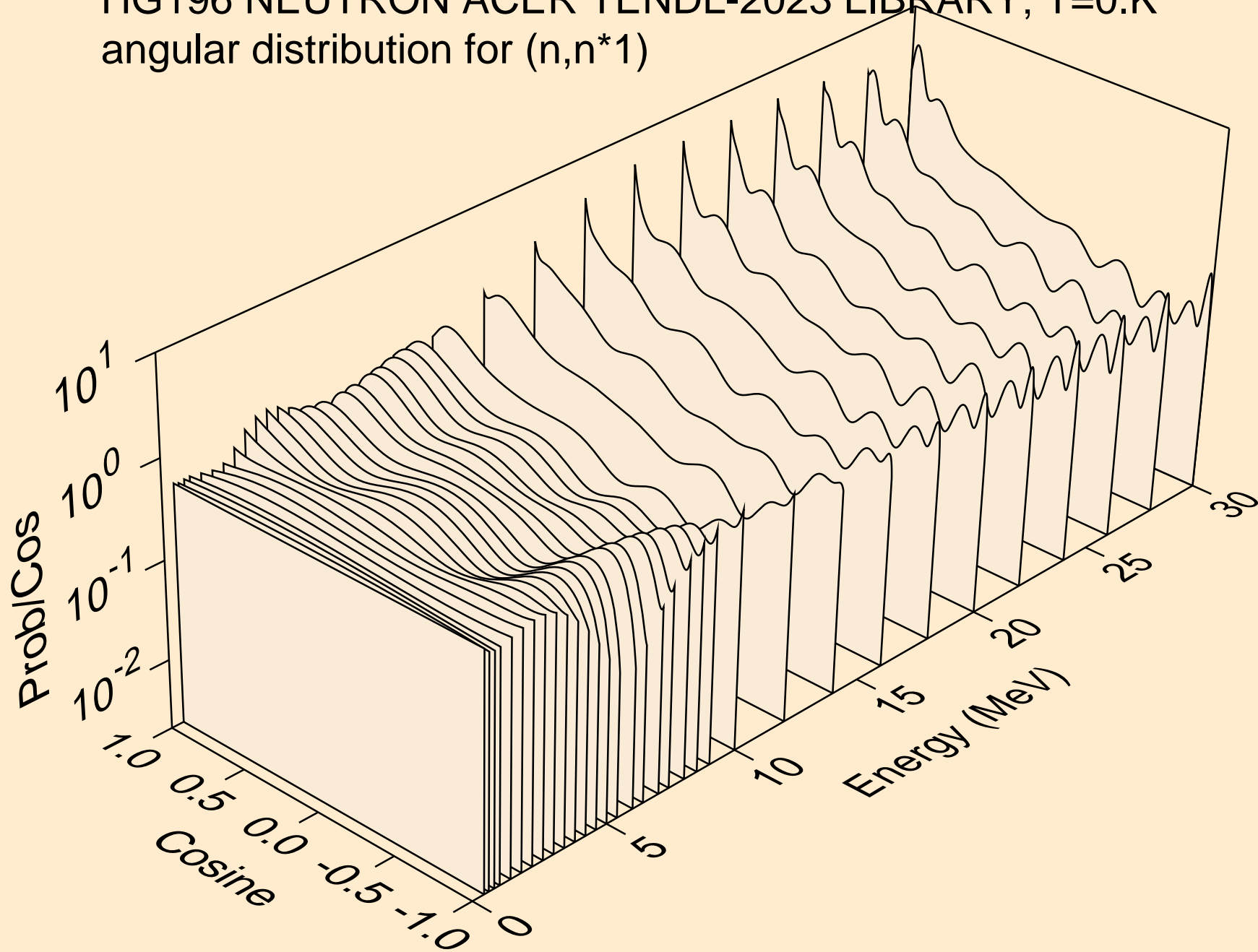
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



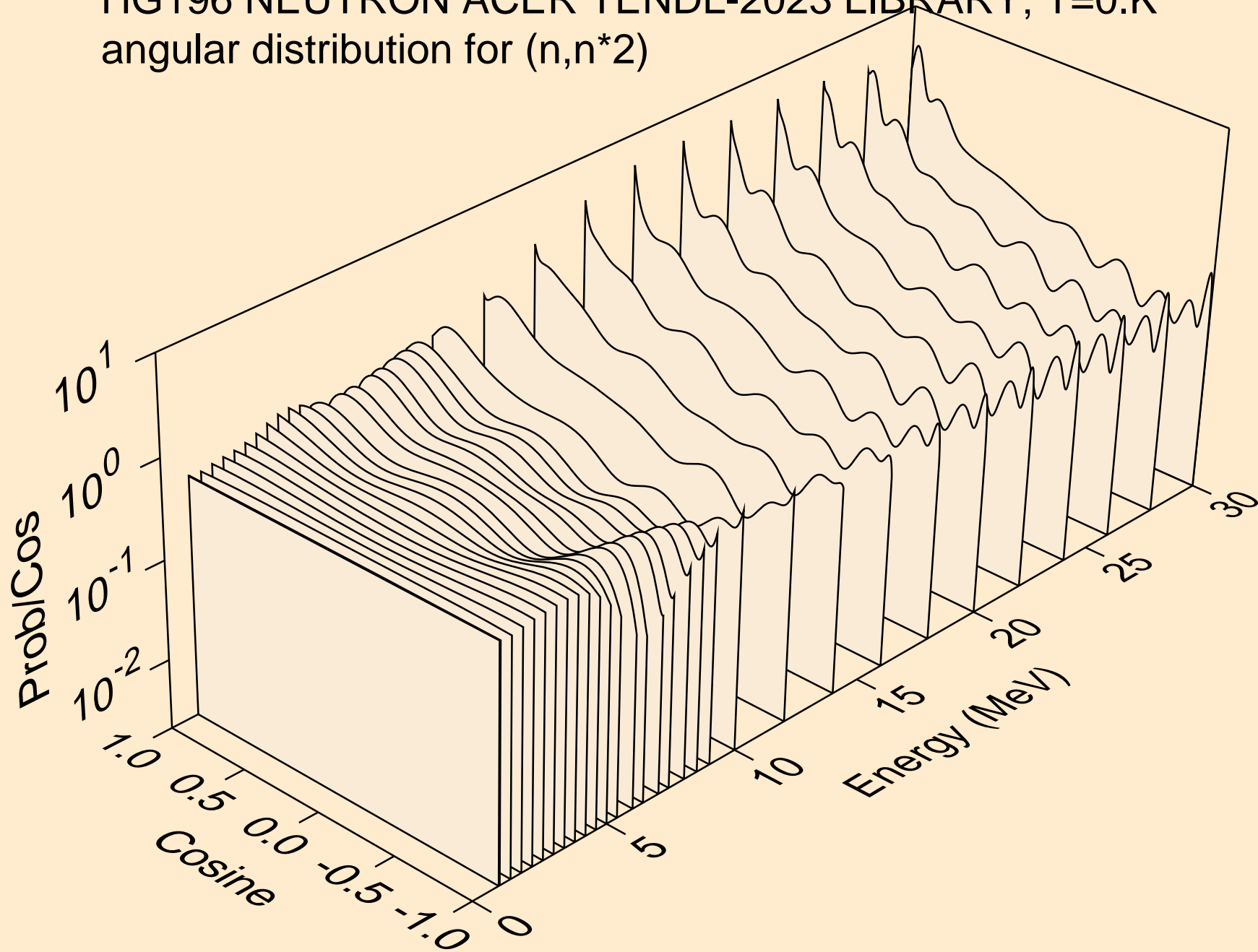
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angular distribution for elastic



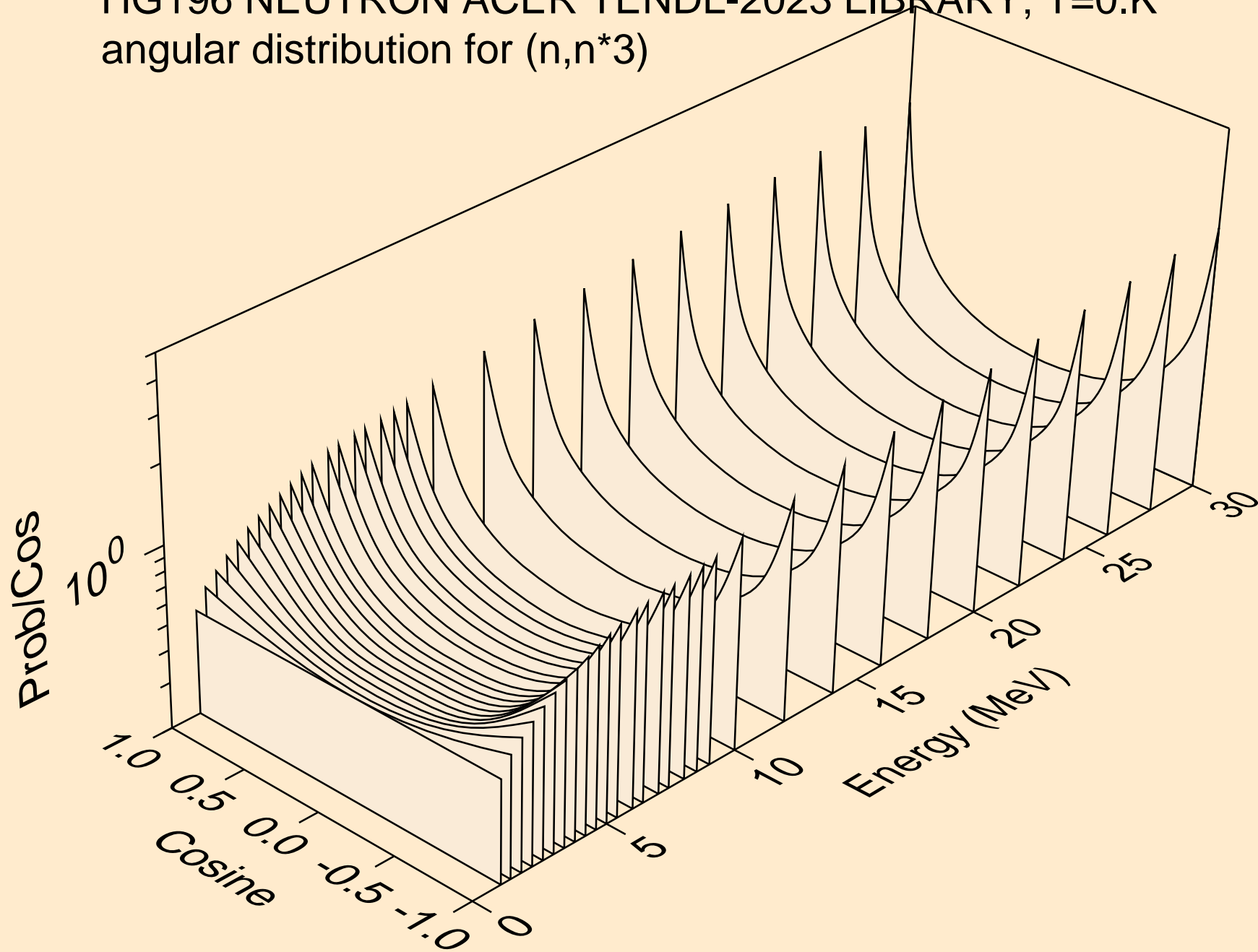
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

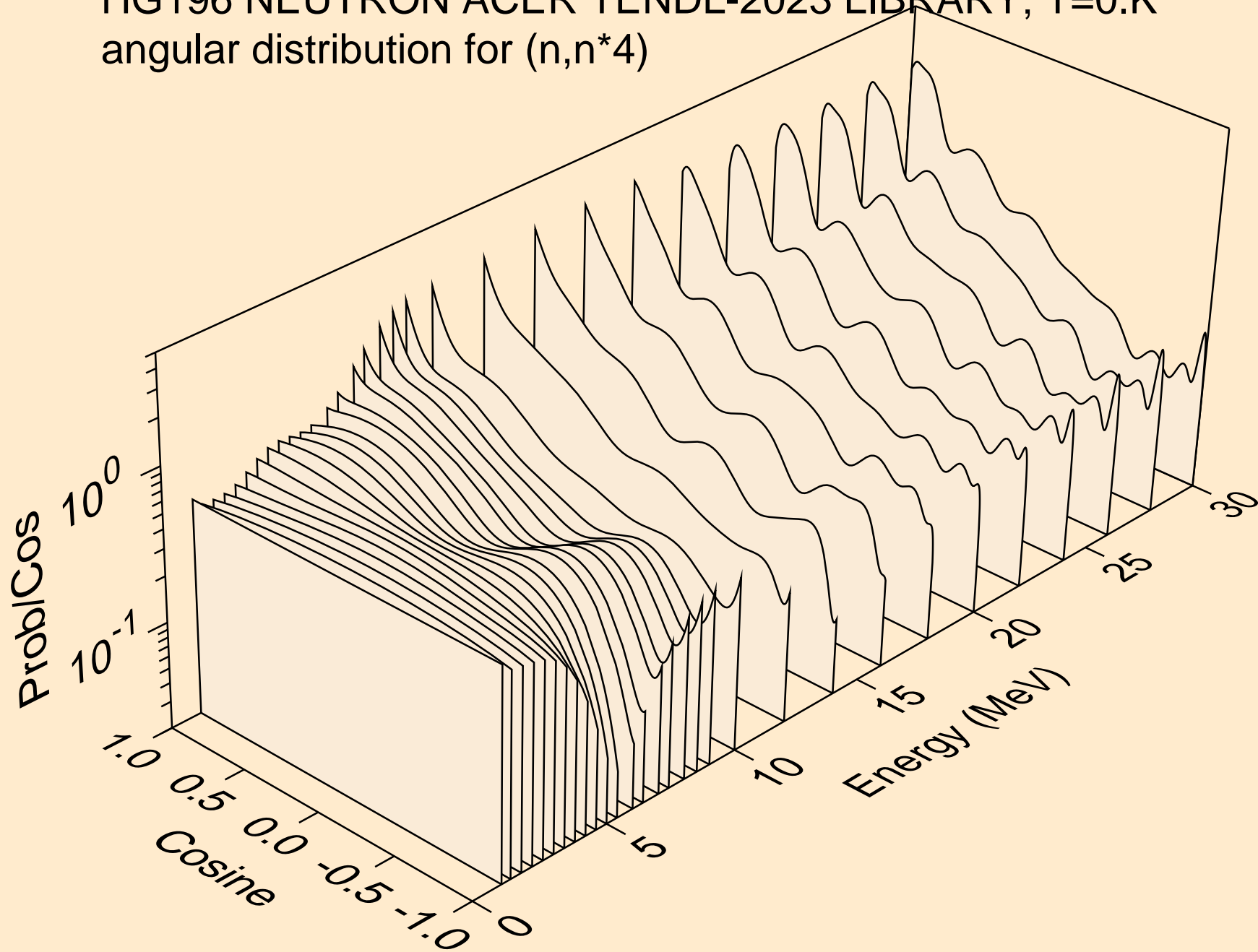


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angular distribution for (n,n\*3)

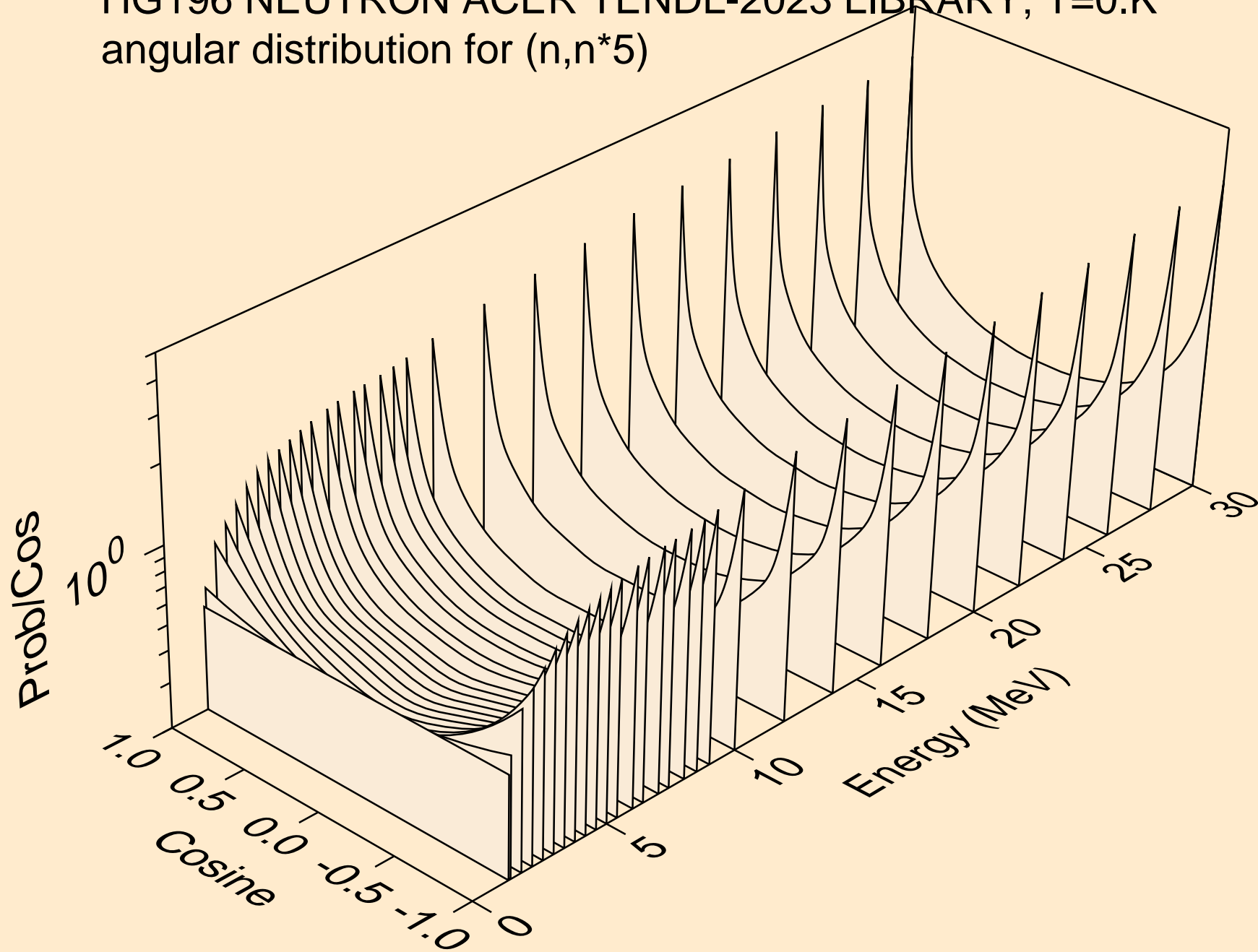




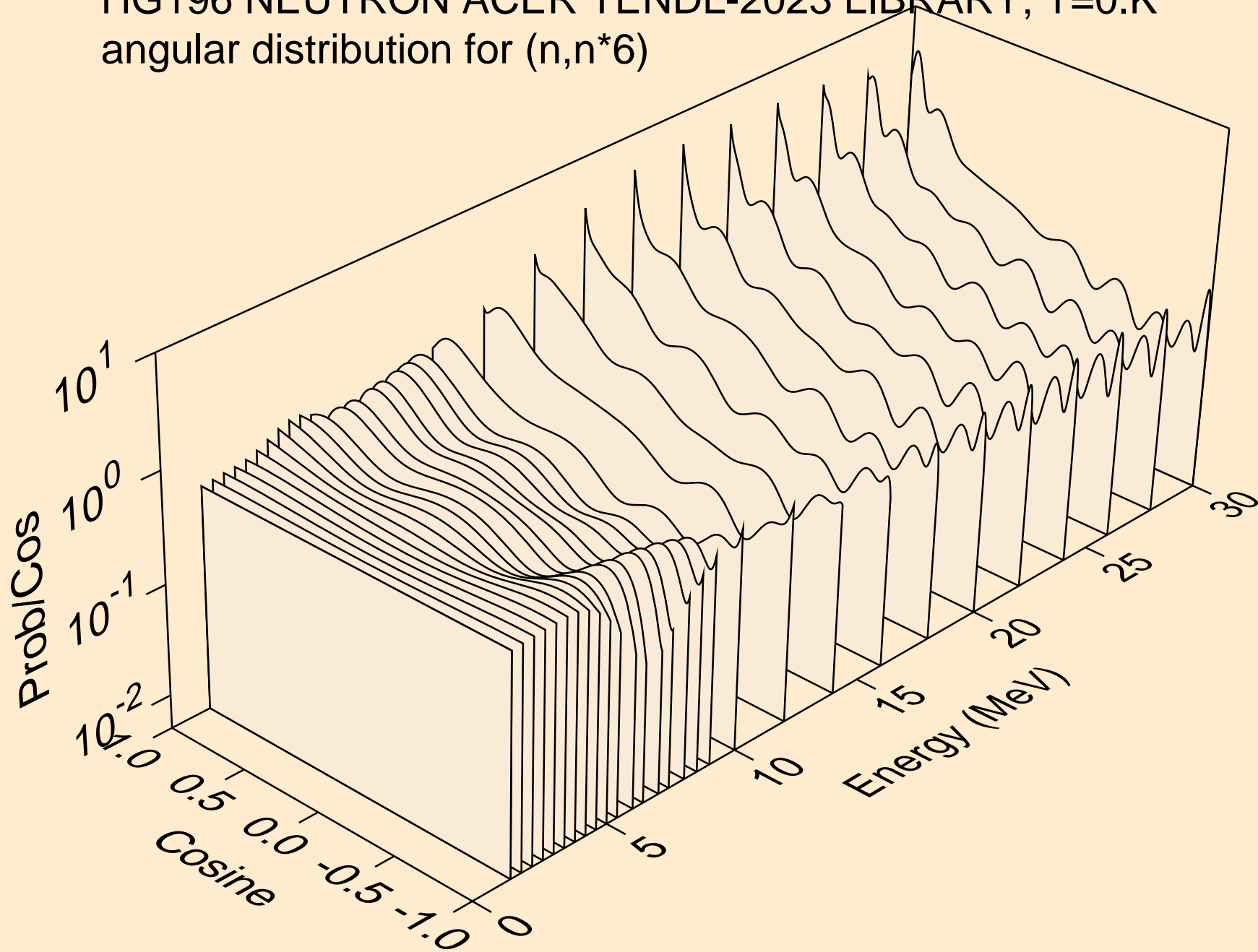
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angular distribution for (n,n\*4)



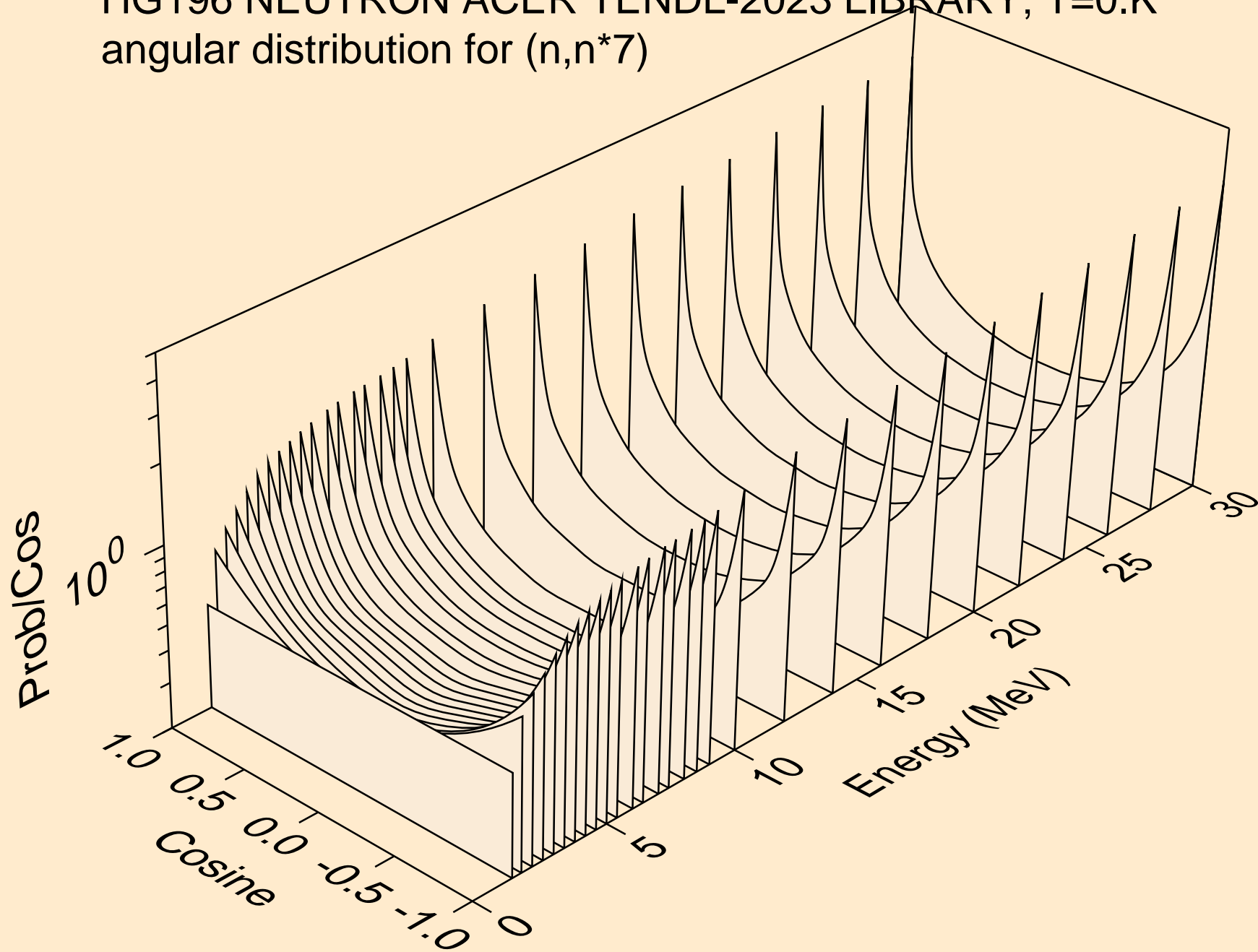
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angular distribution for (n,n\*5)



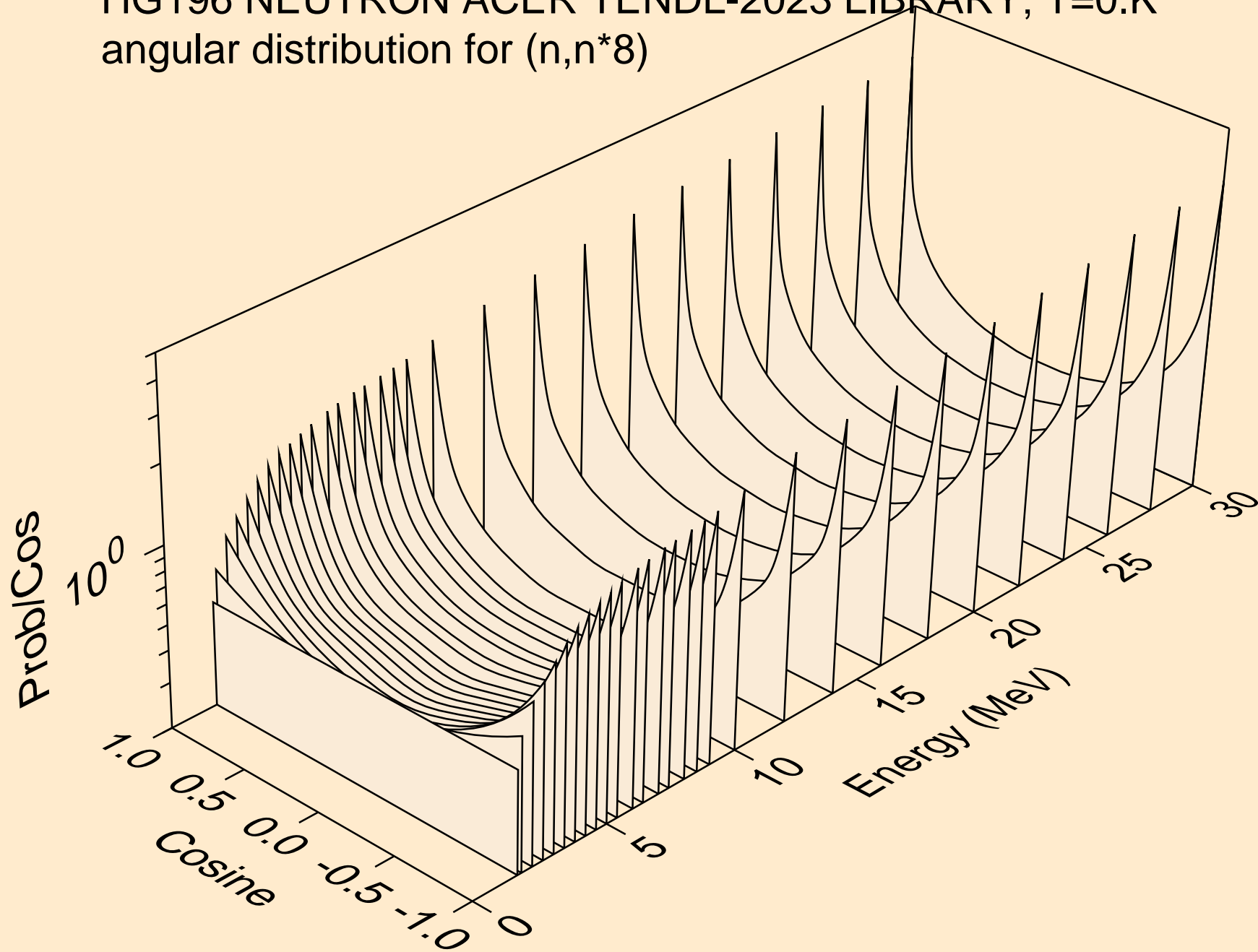
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angular distribution for (n,n\*6)



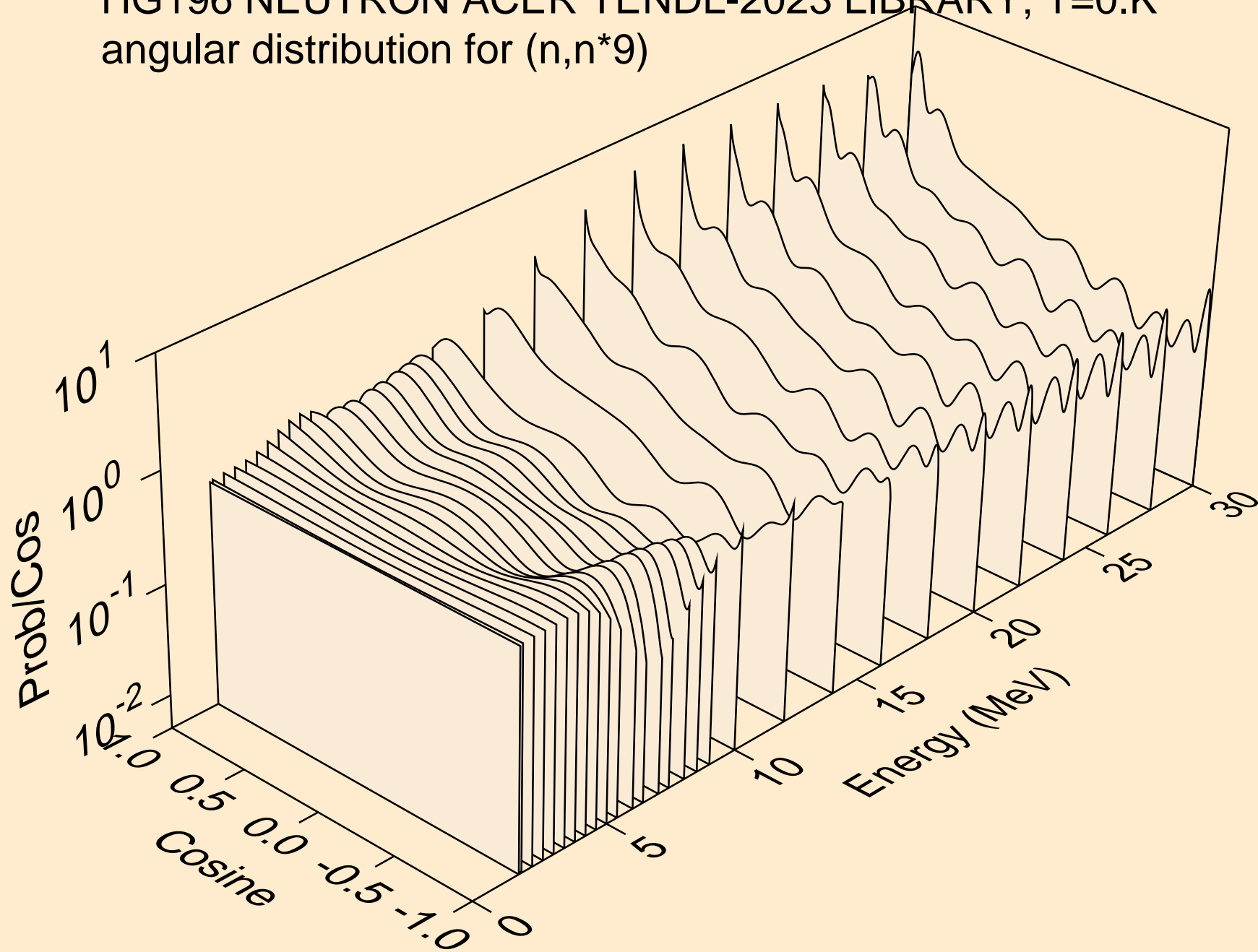
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angular distribution for (n,n\*7)



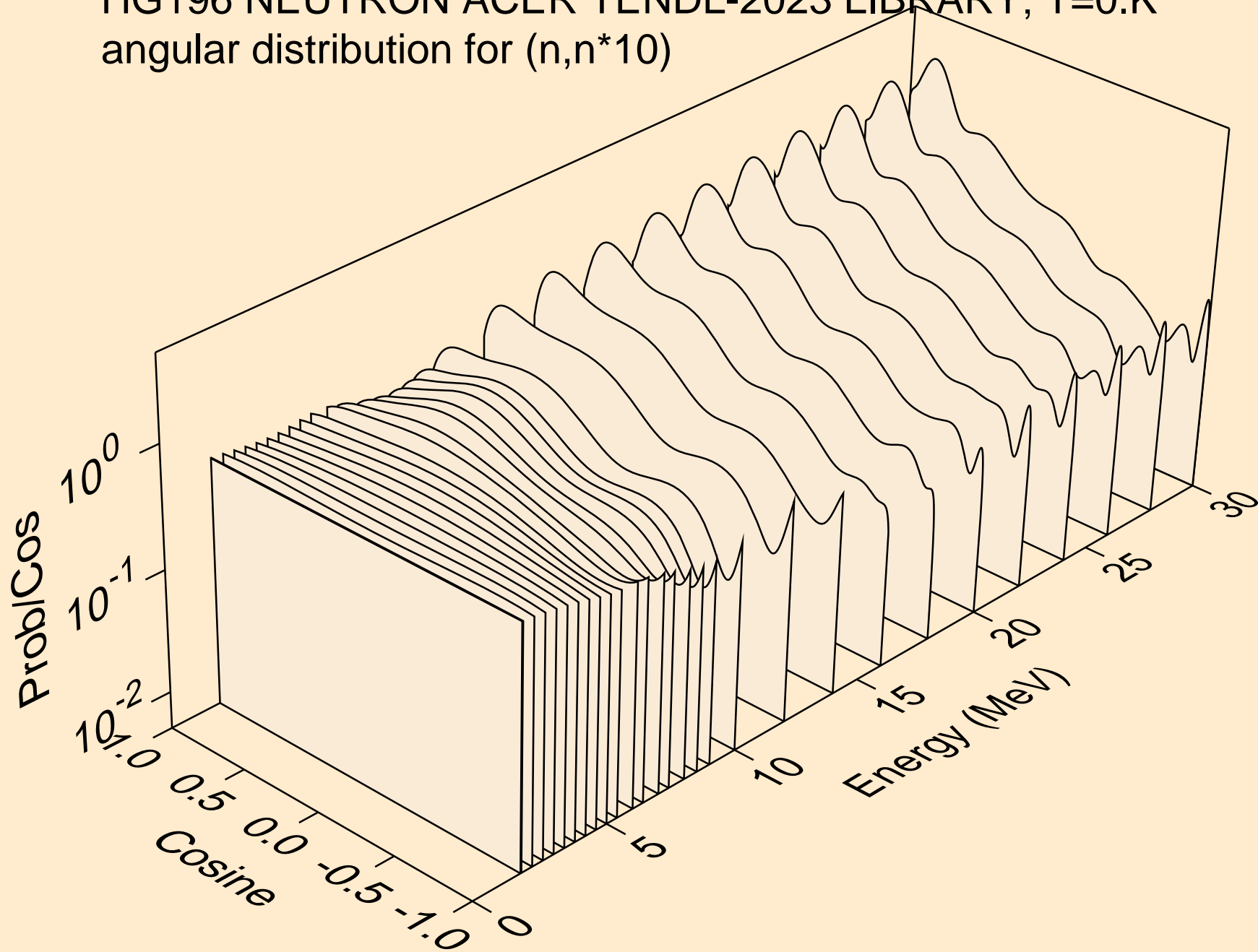
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angular distribution for (n,n\*8)



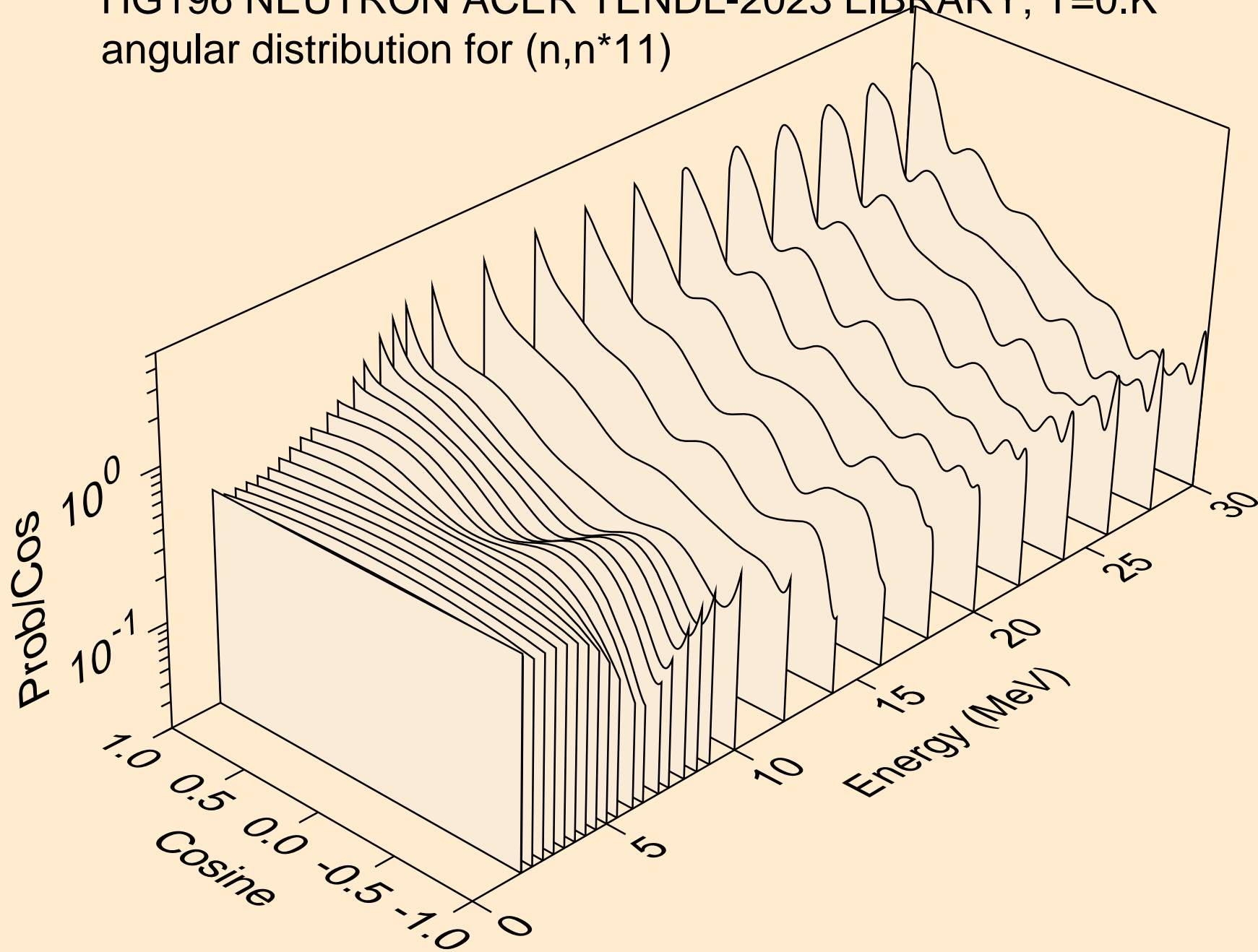
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

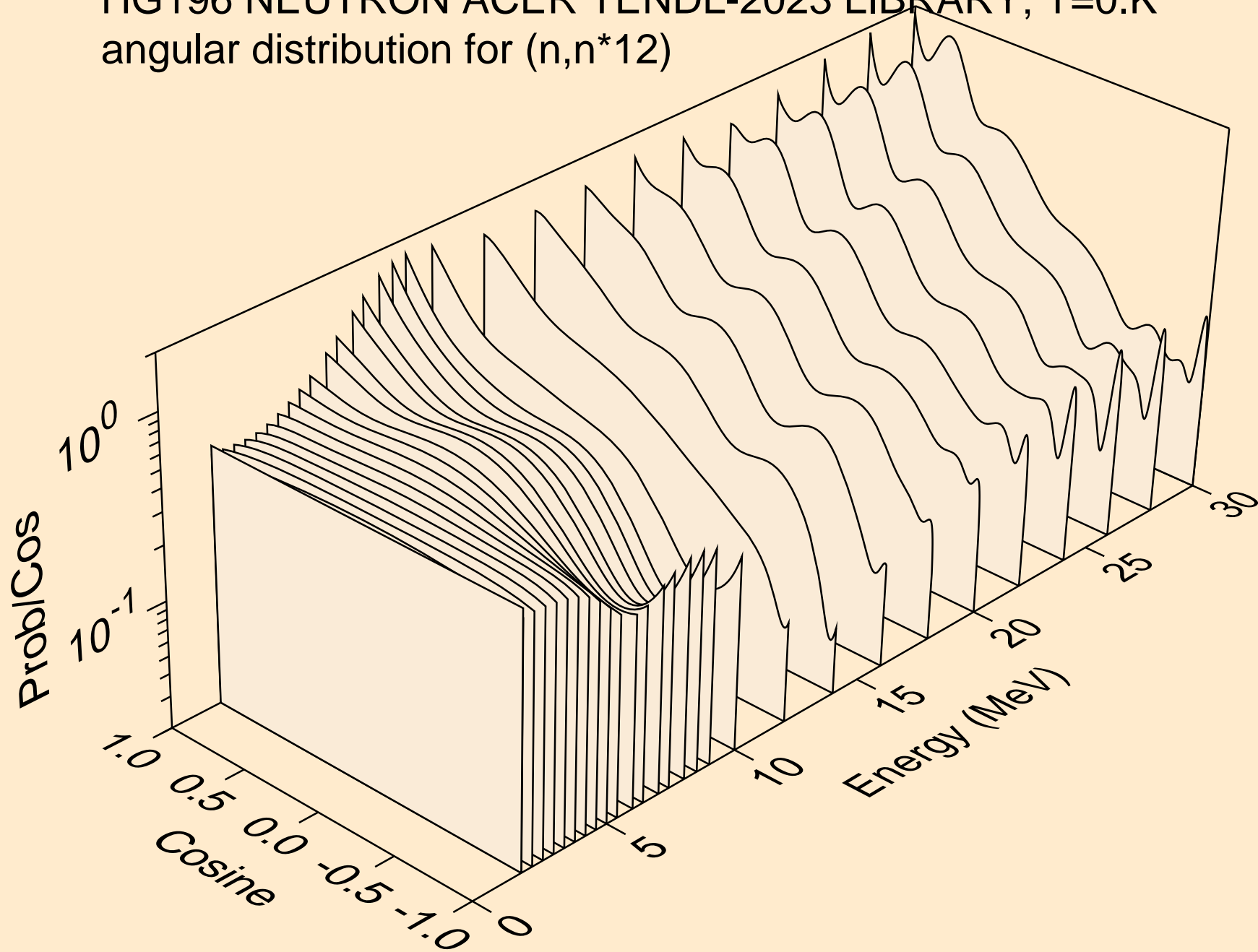


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angular distribution for (n,n\*11)

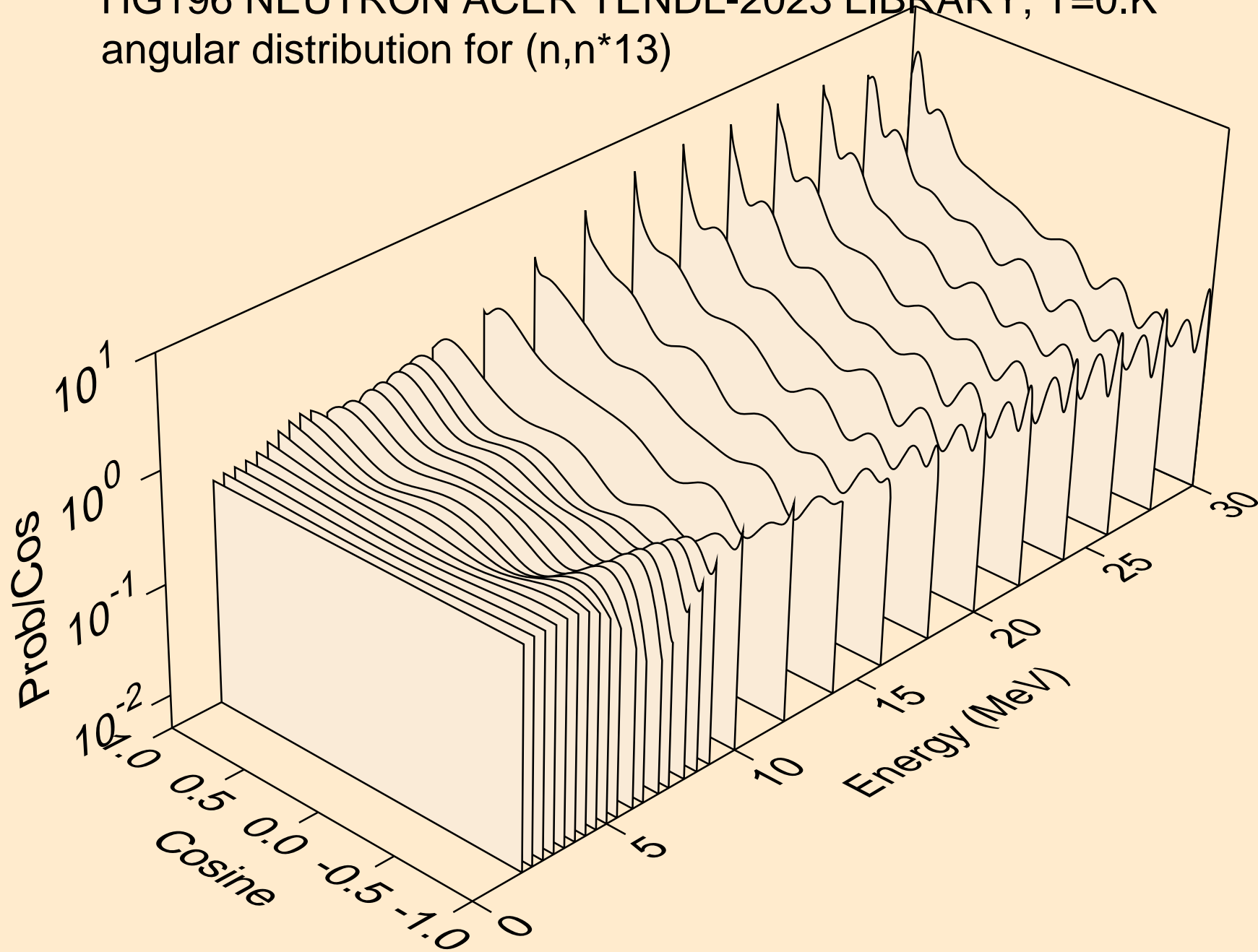




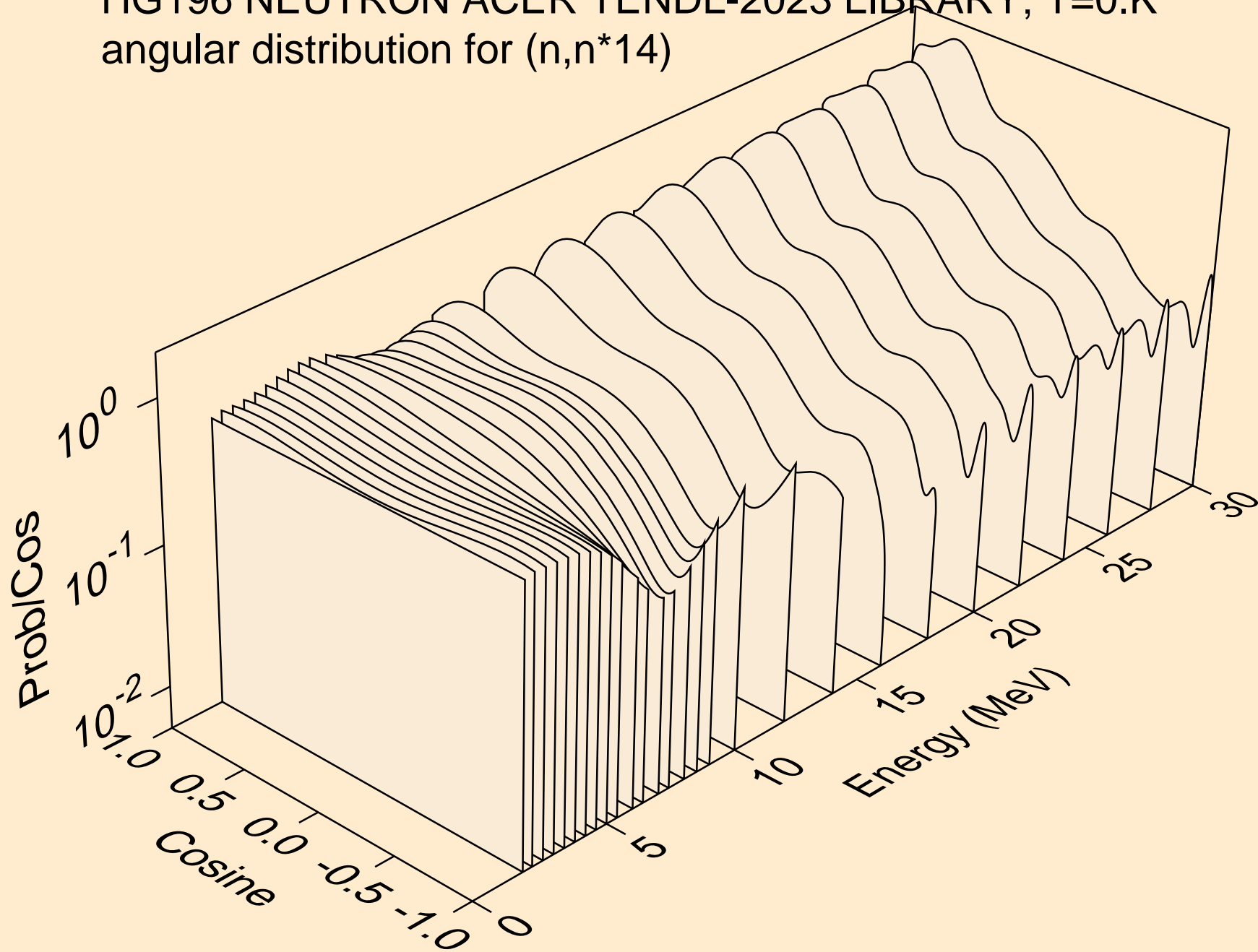
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angular distribution for (n,n\*12)



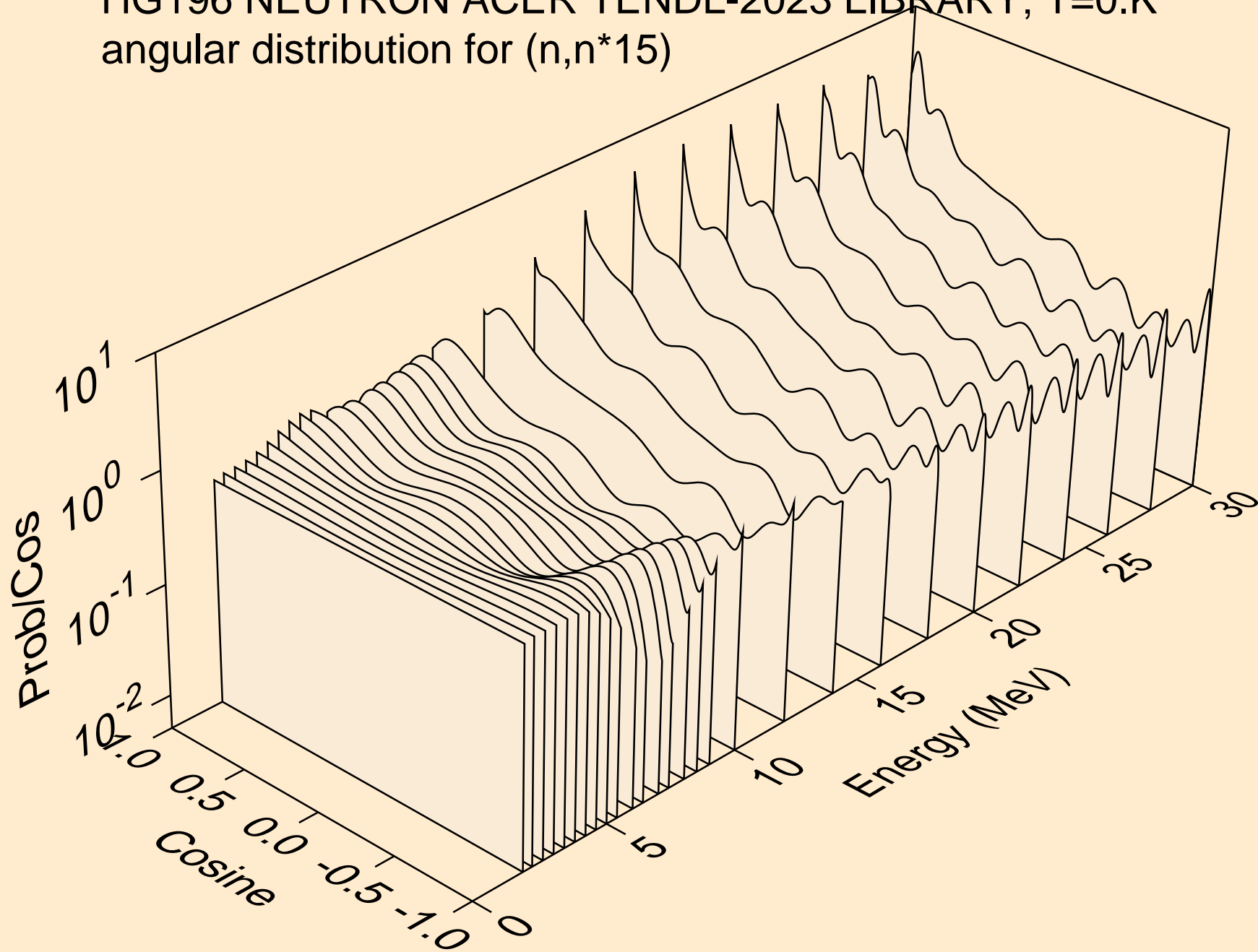
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angular distribution for (n,n\*13)



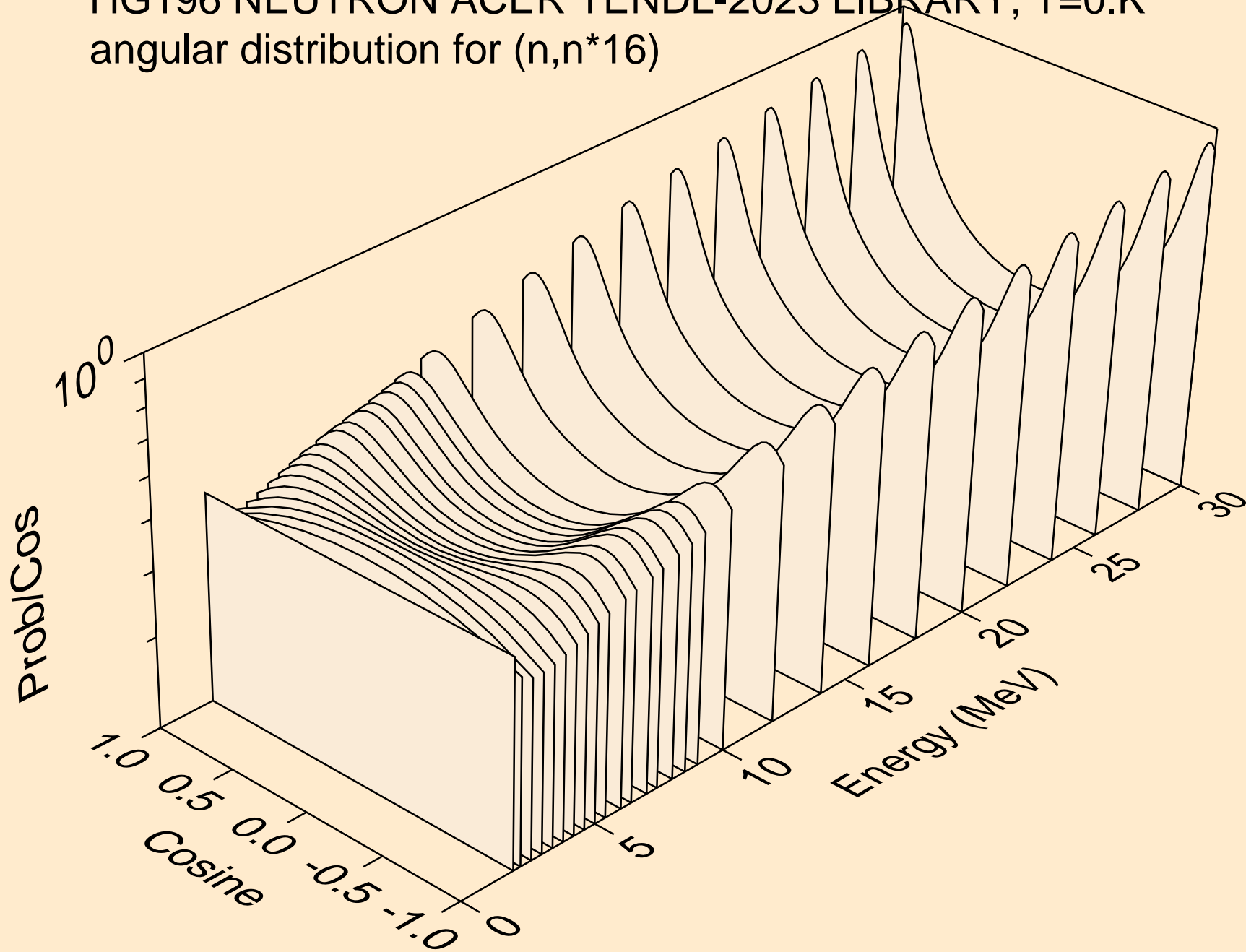
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angular distribution for (n,n\*14)



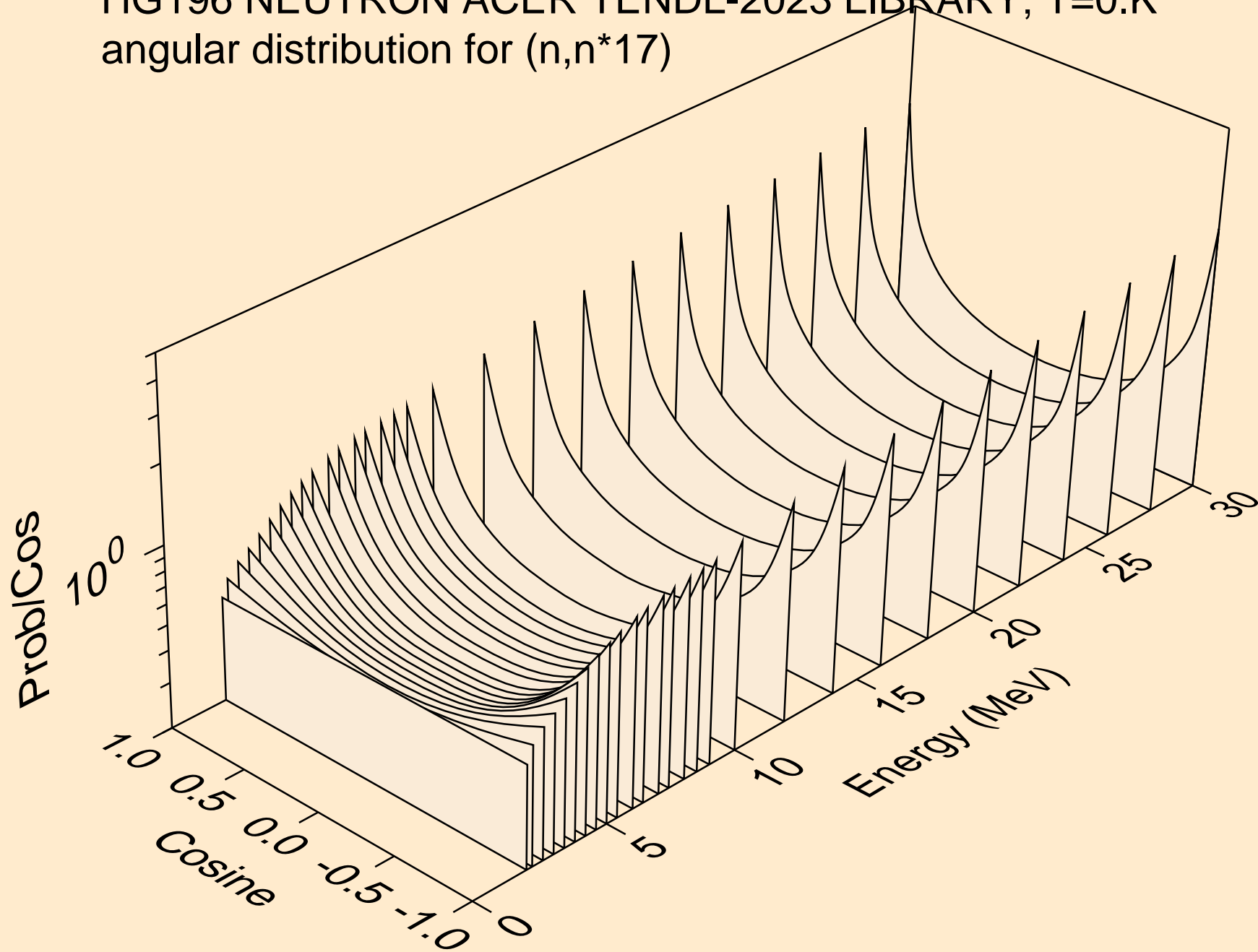
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angular distribution for (n,n\*15)



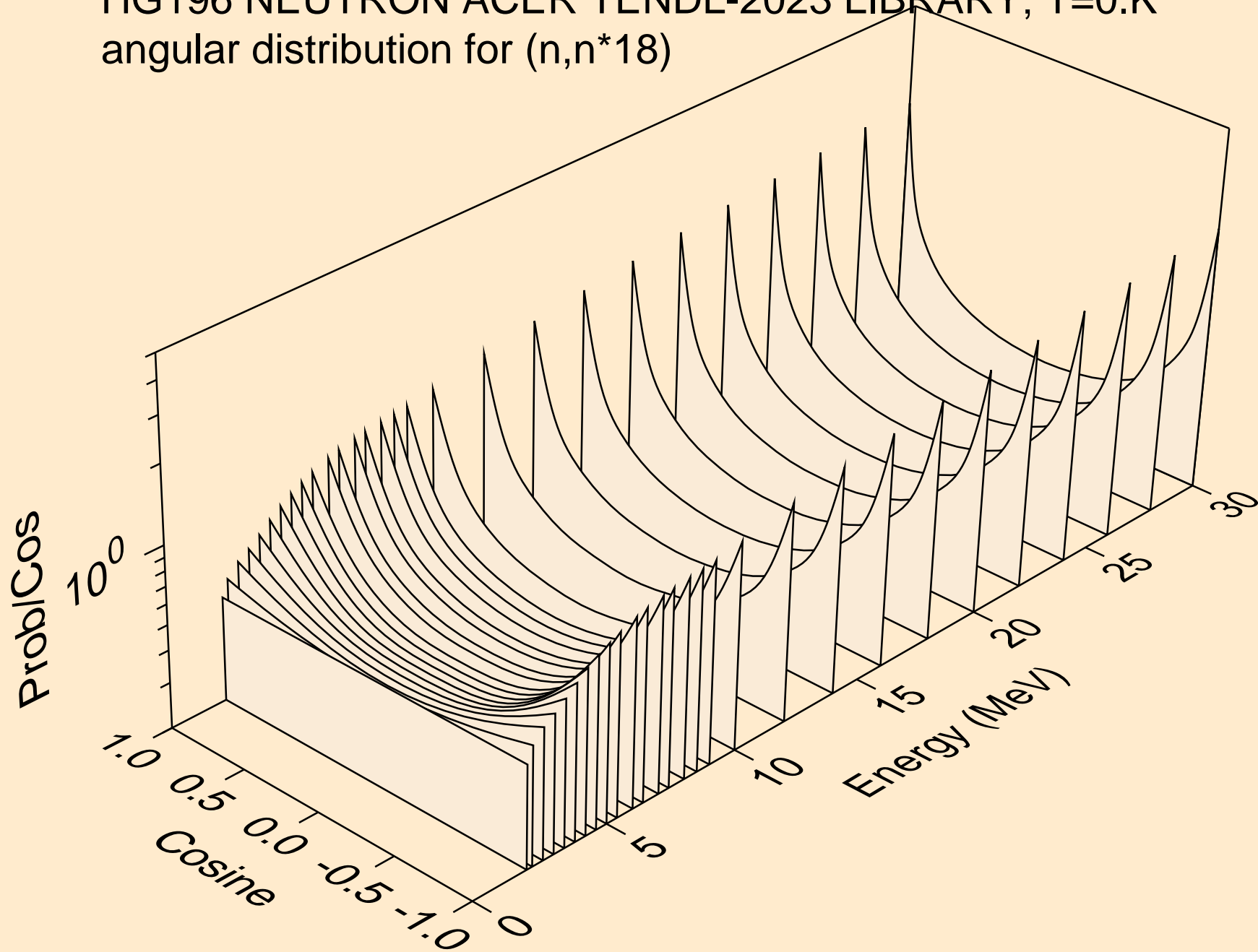
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angular distribution for (n,n\*16)



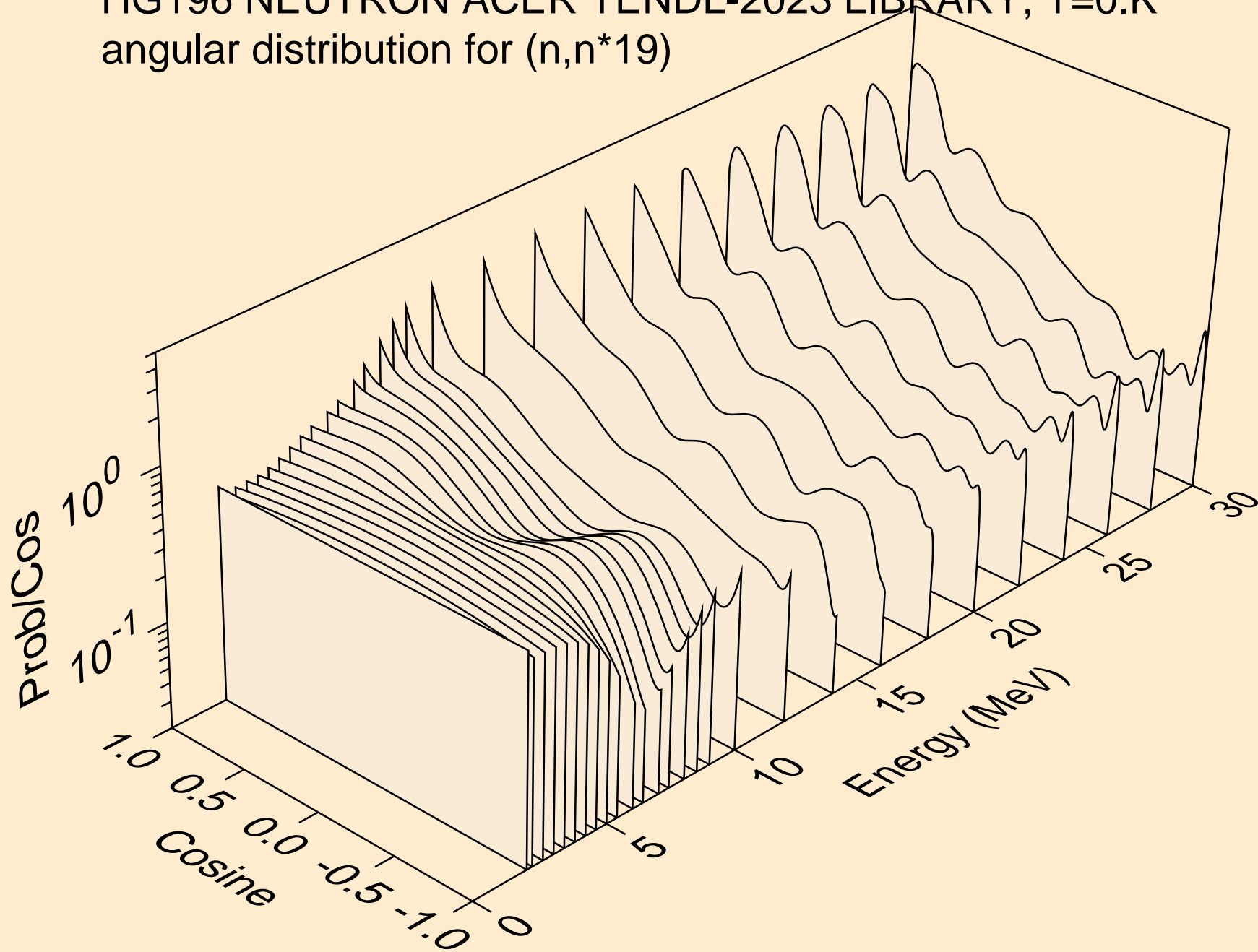
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angular distribution for (n,n\*17)



HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*18)

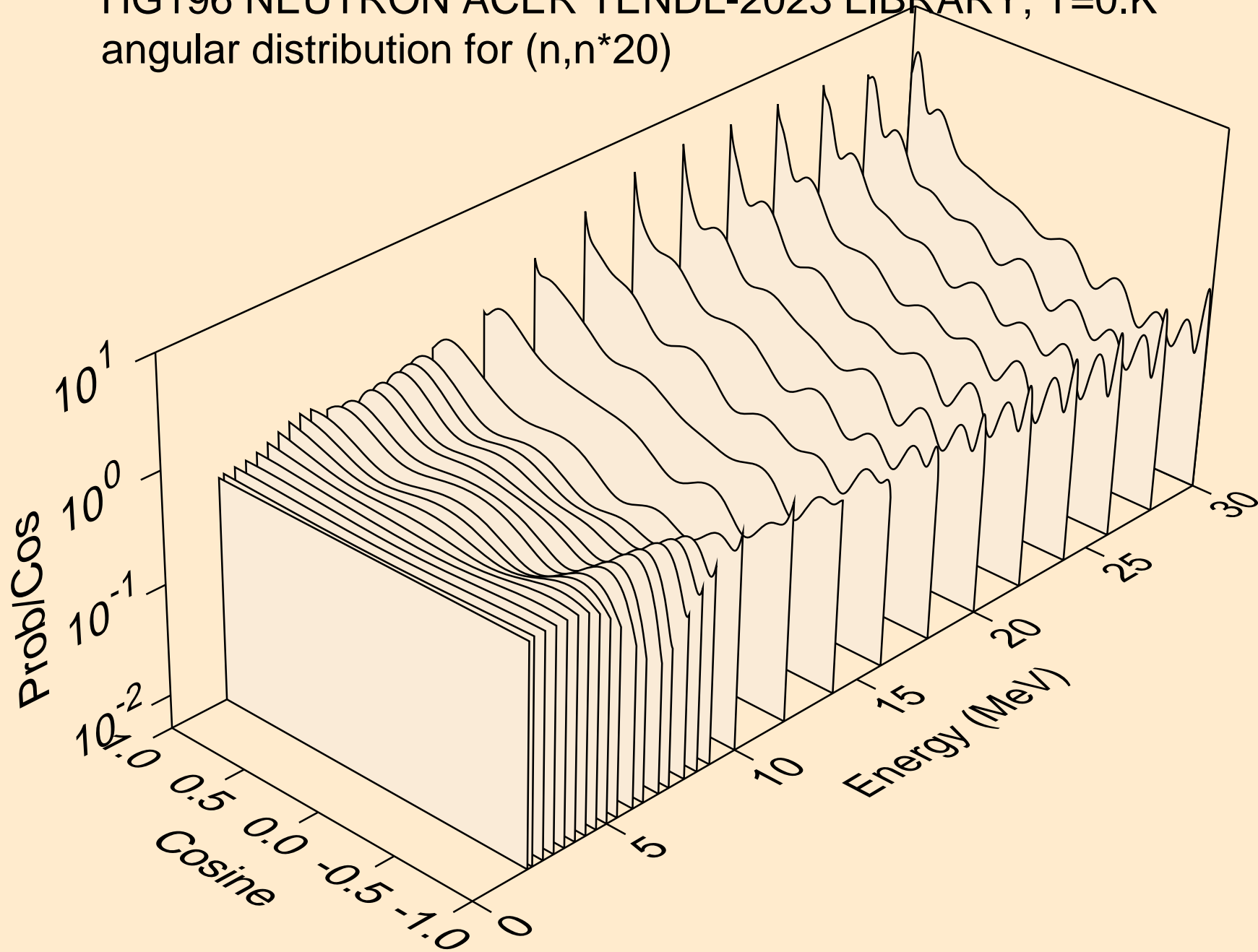


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angular distribution for (n,n\*19)

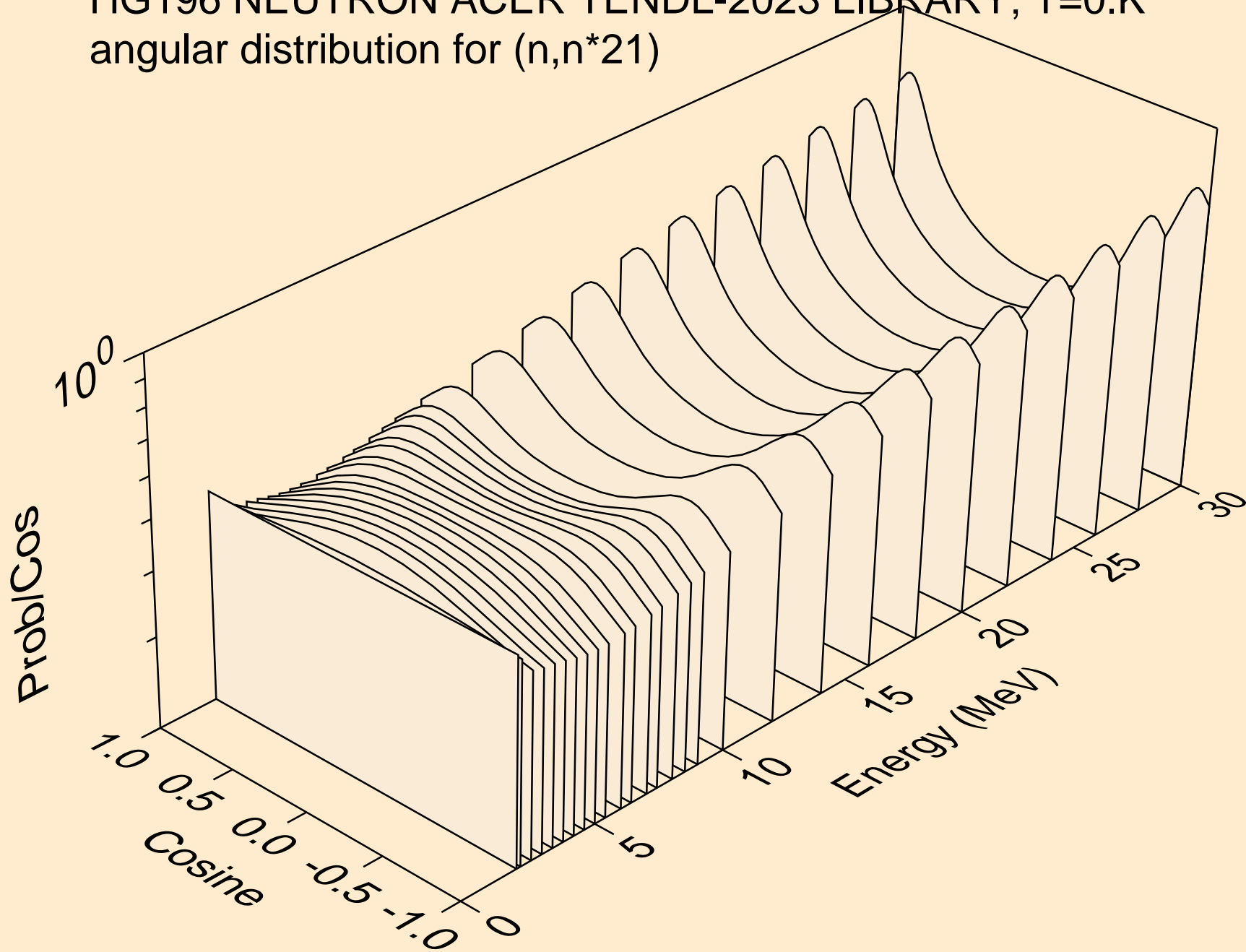




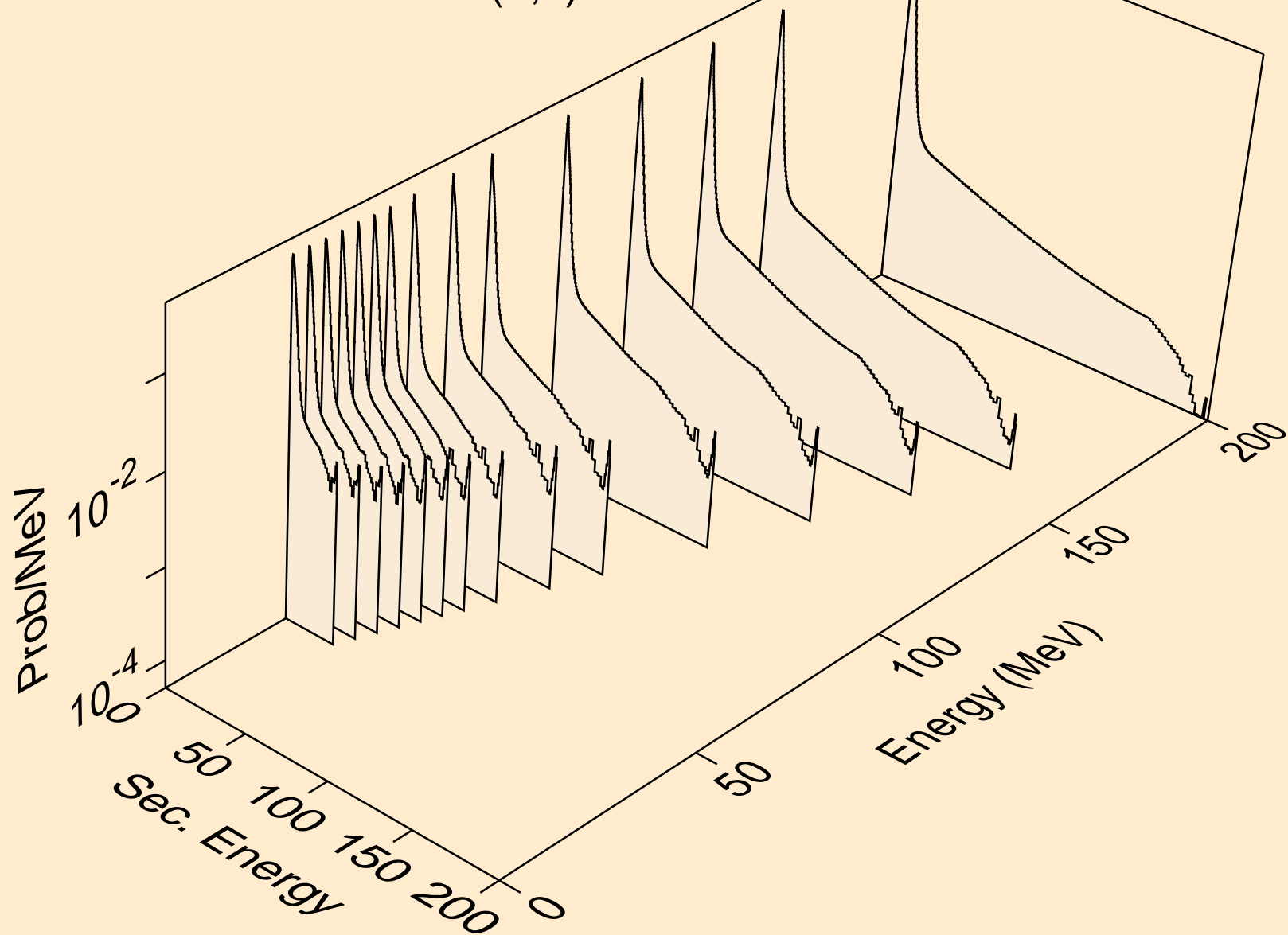
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angular distribution for (n,n\*20)



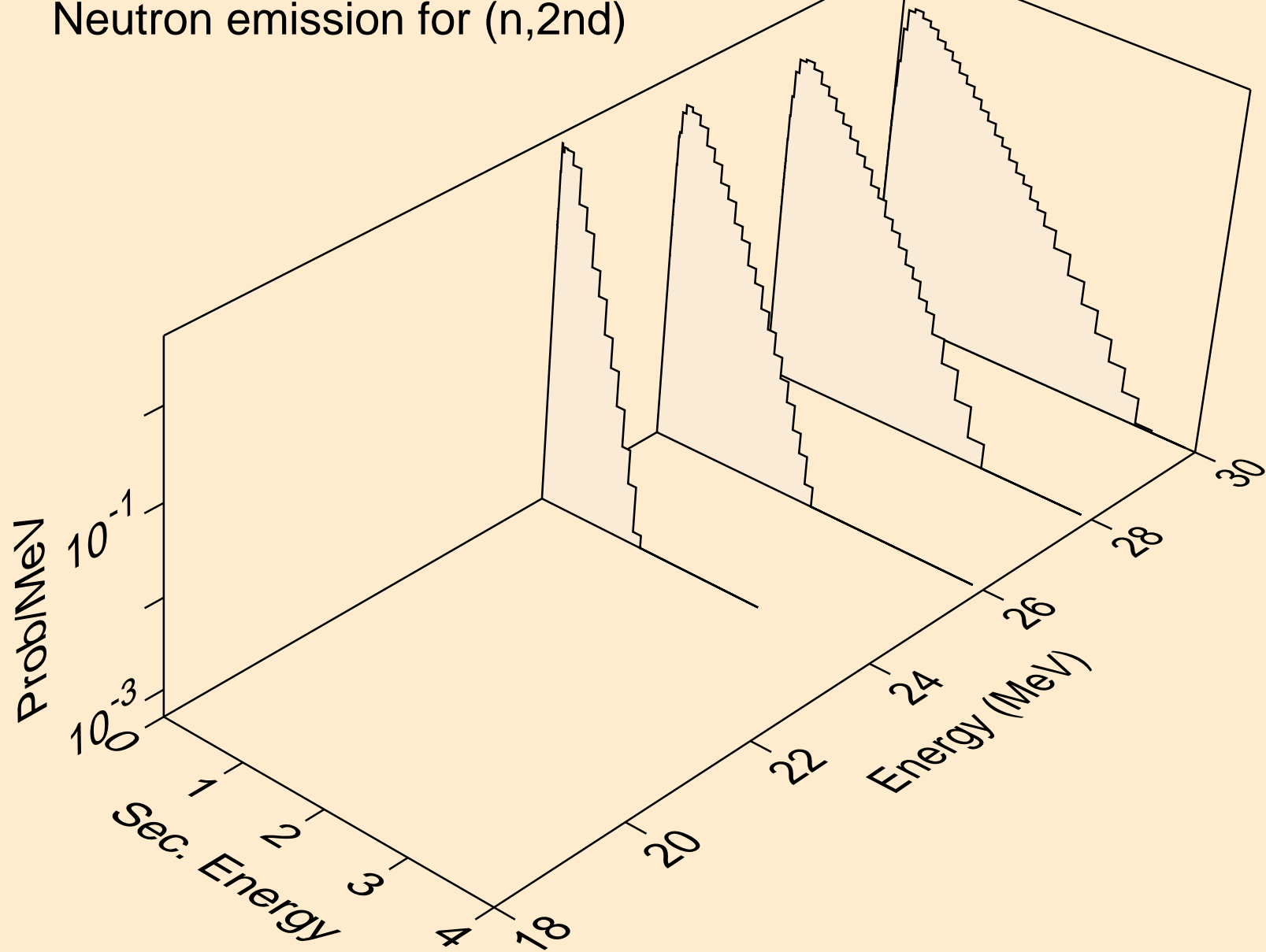
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angular distribution for (n,n\*21)



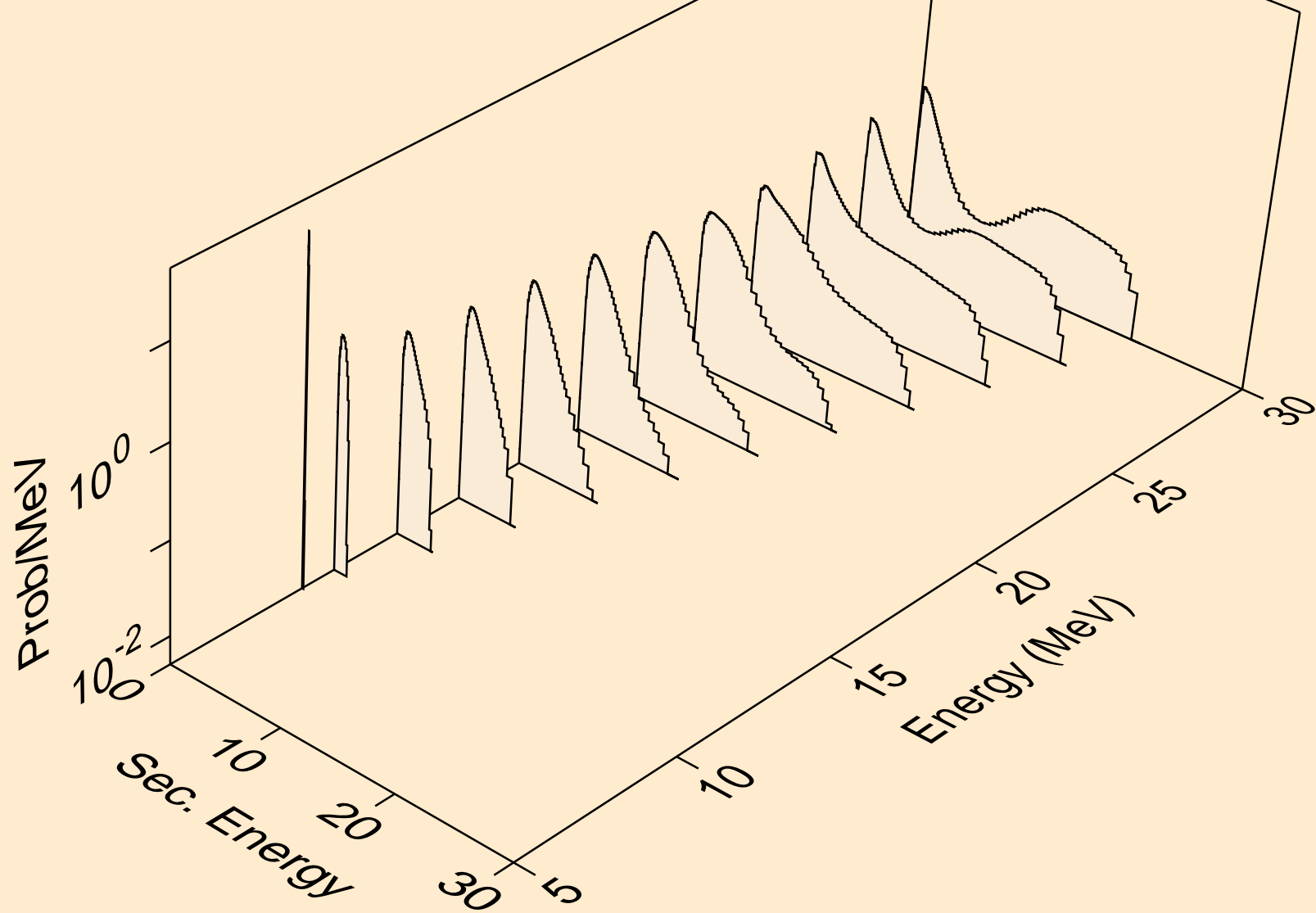
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Neutron emission for (n,x)



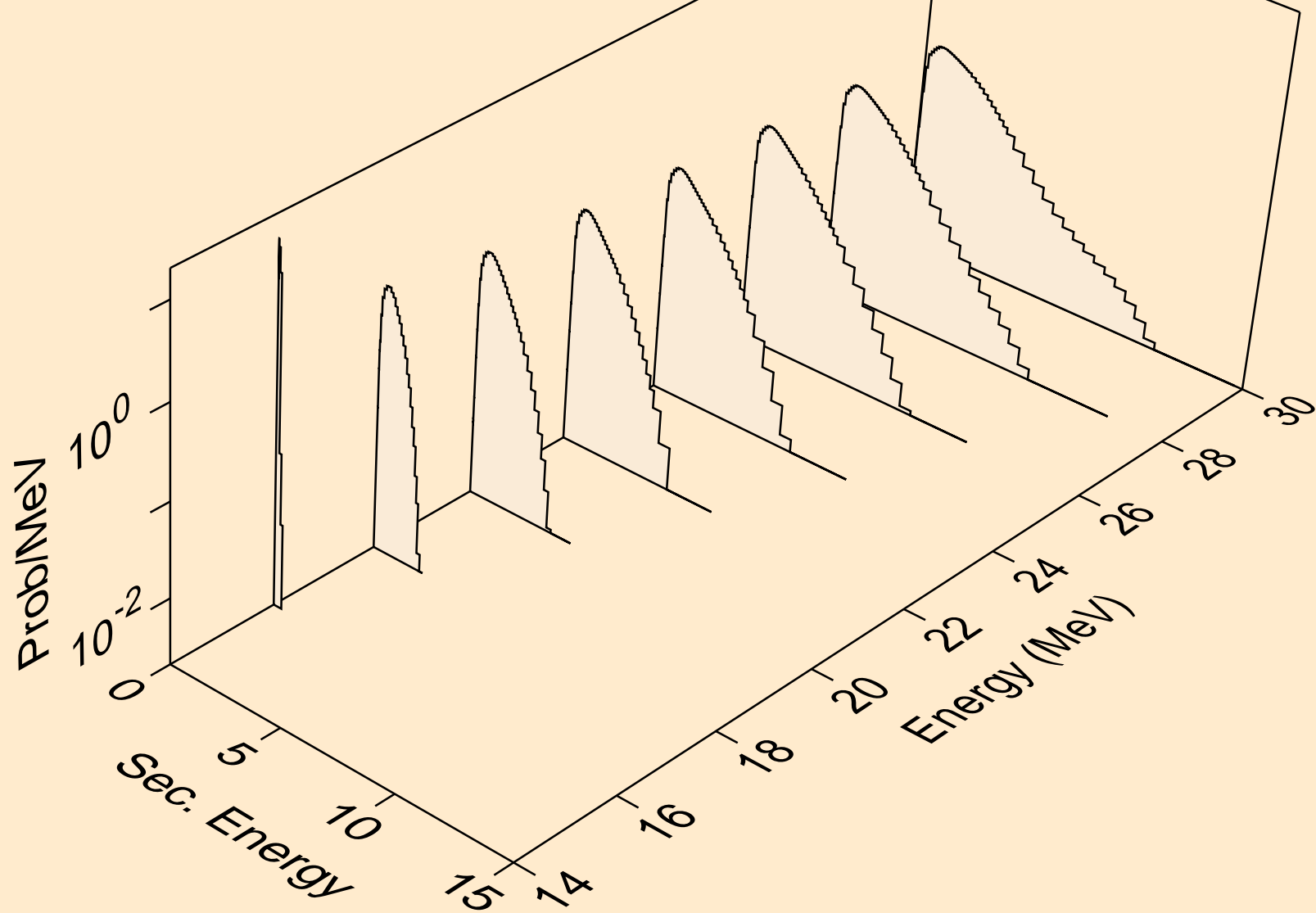
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Neutron emission for (n,2nd)



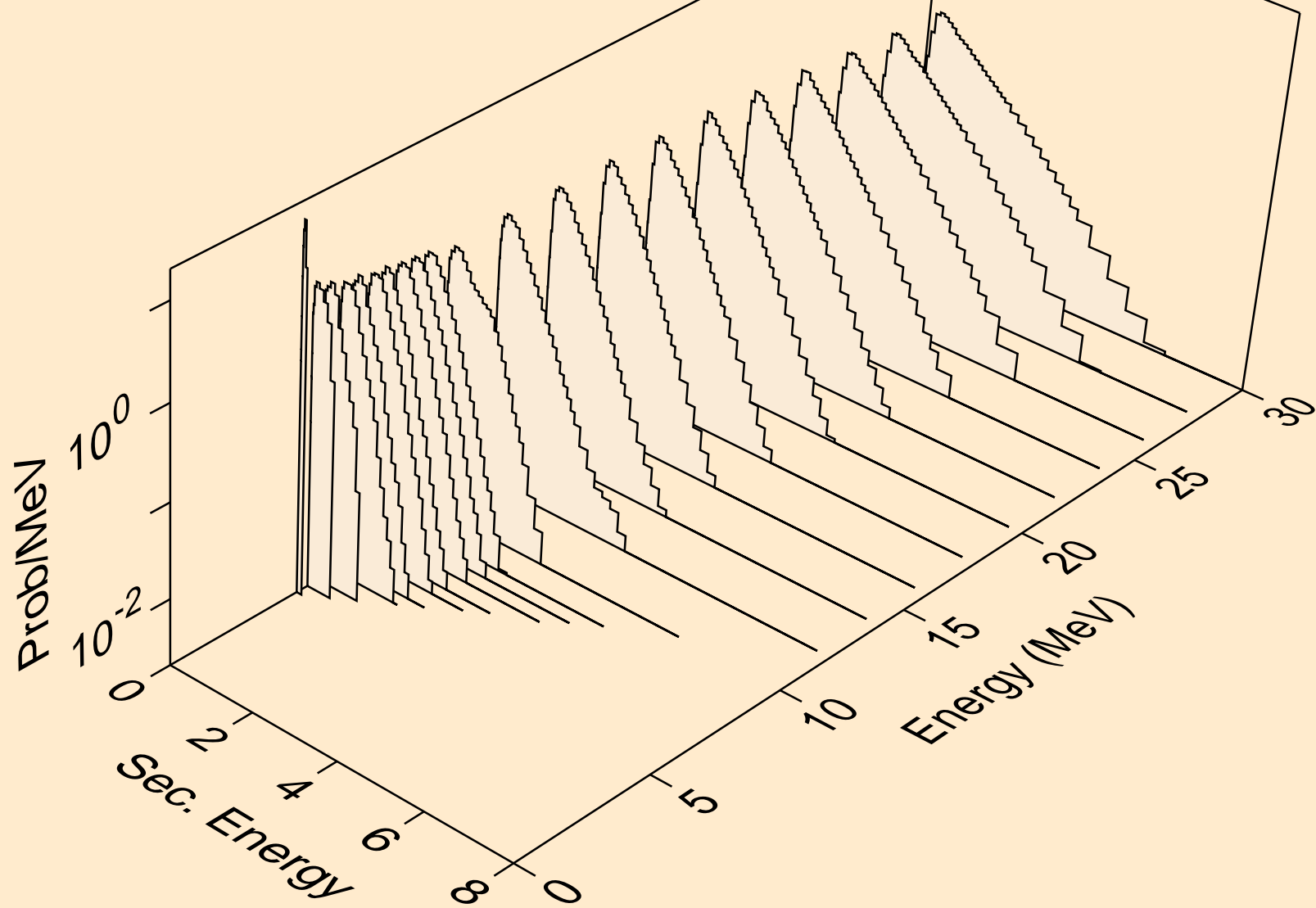
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



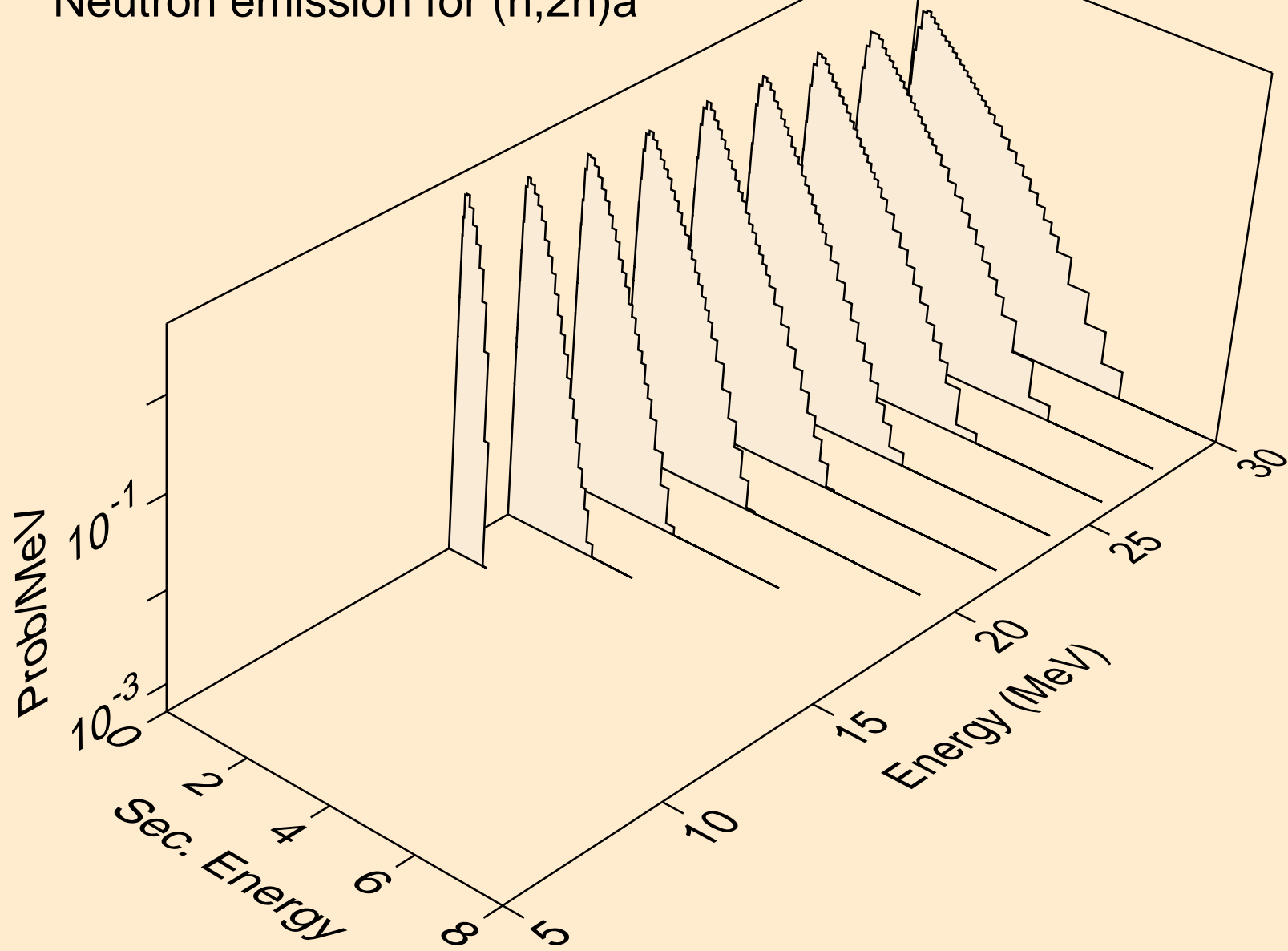
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a

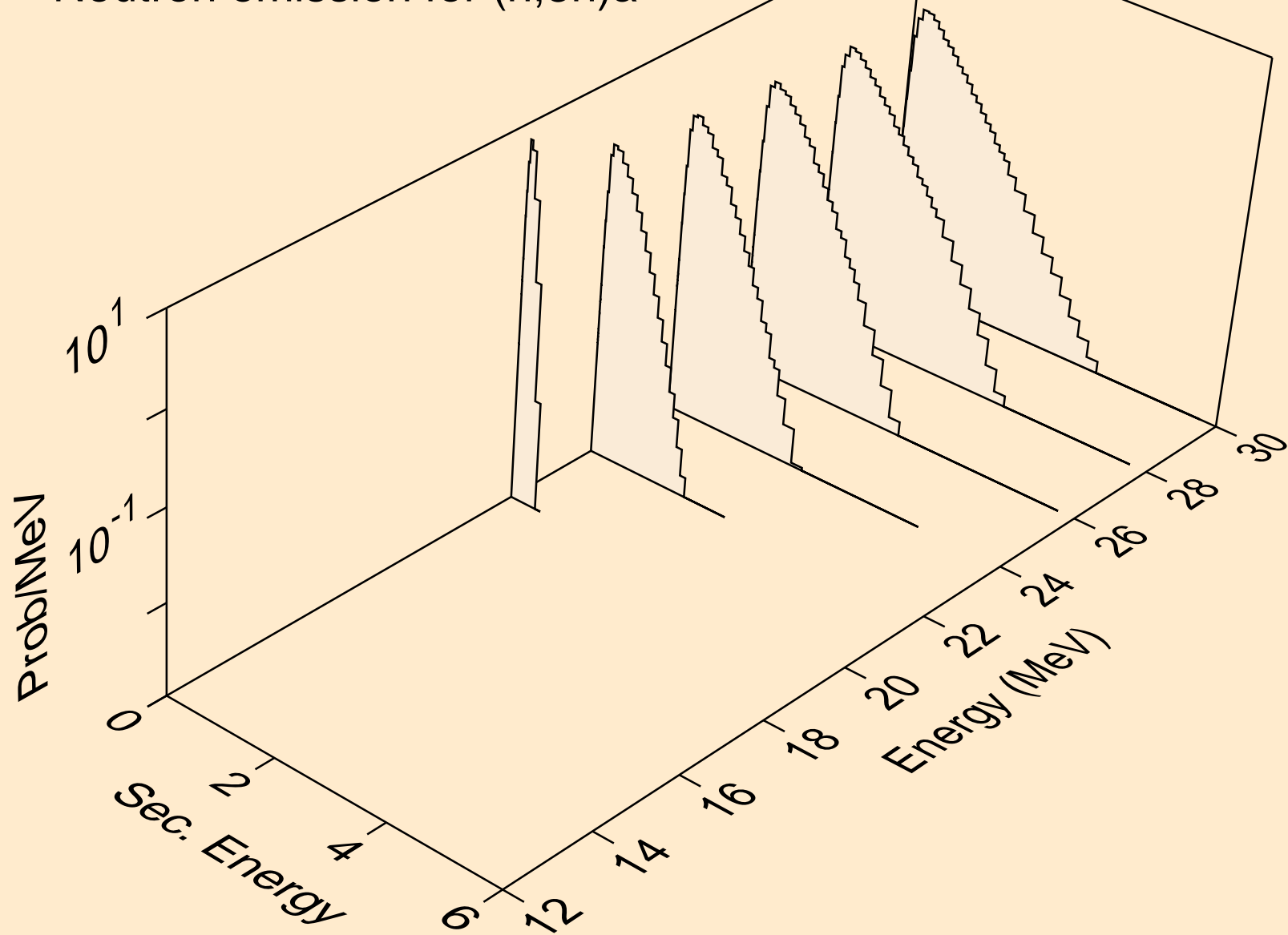


HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a

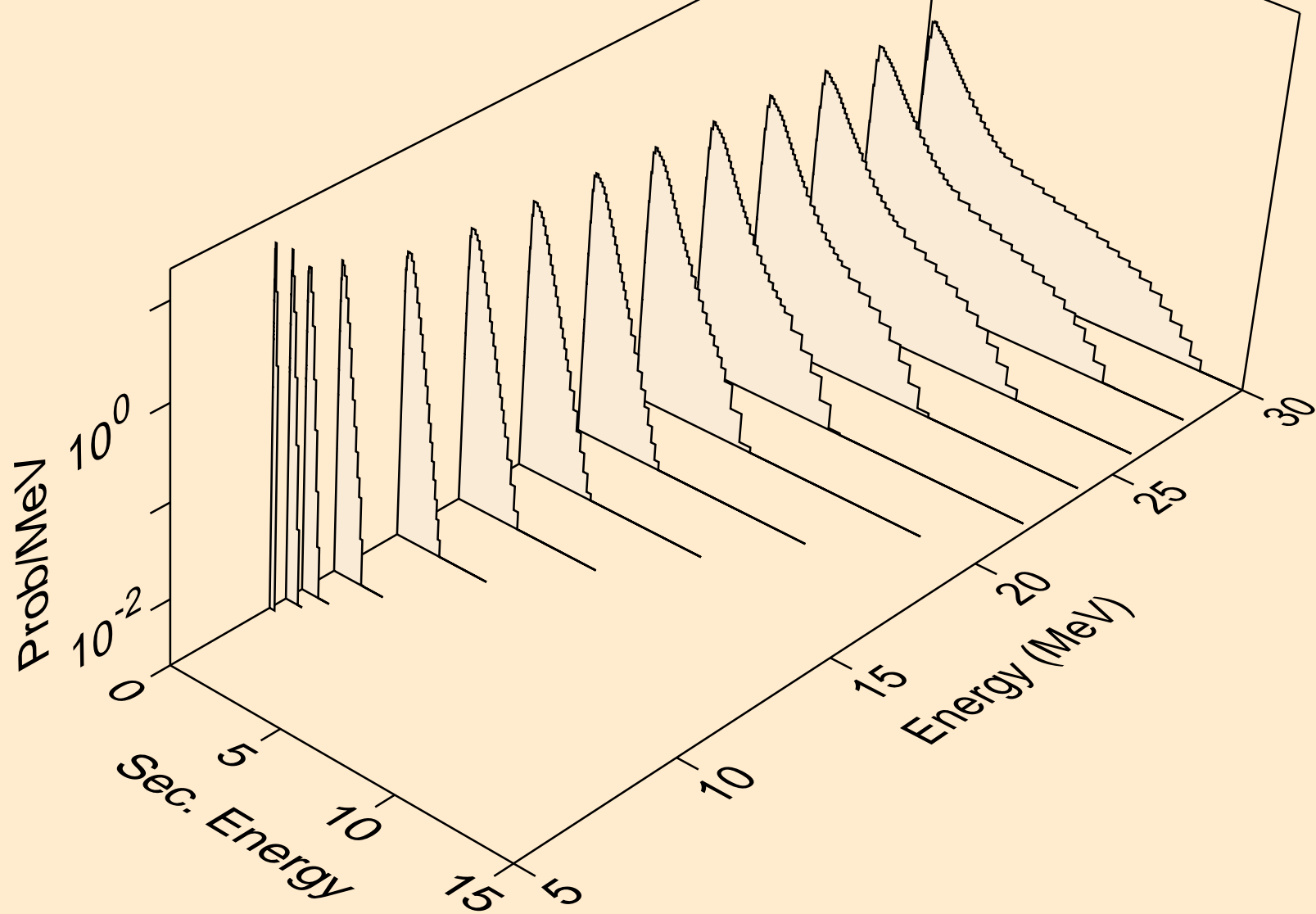




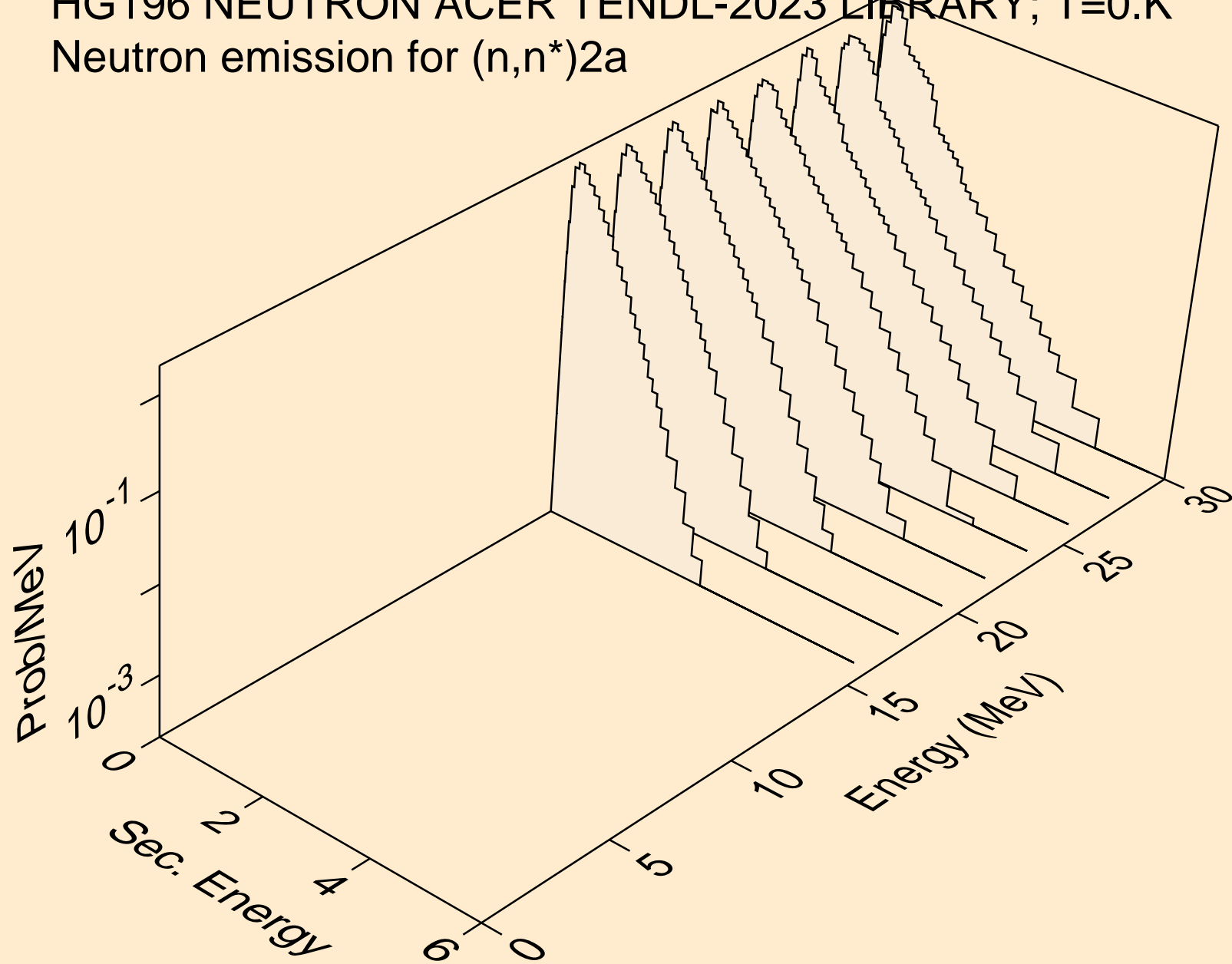
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



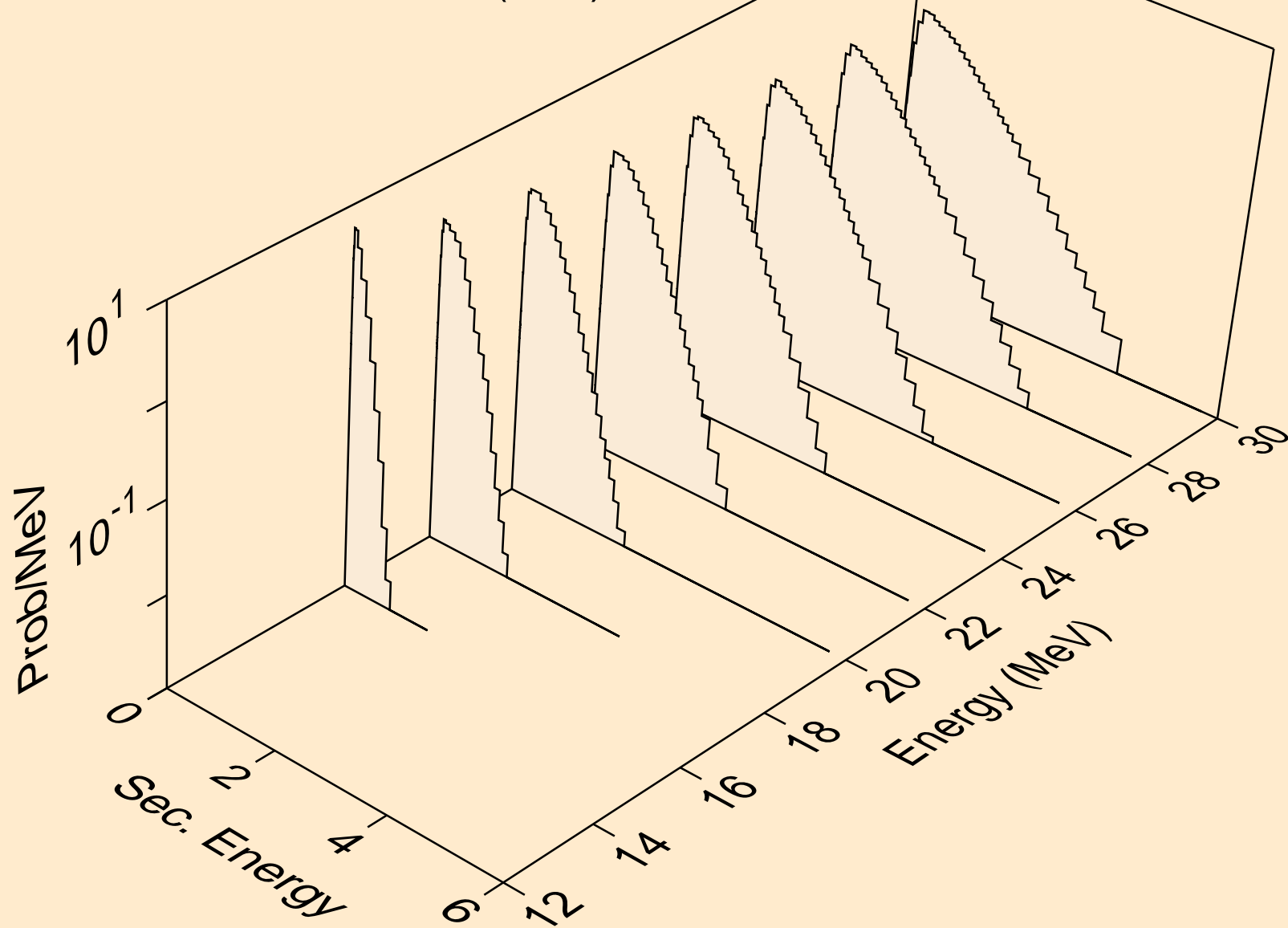
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Neutron emission for (n,n\*)p



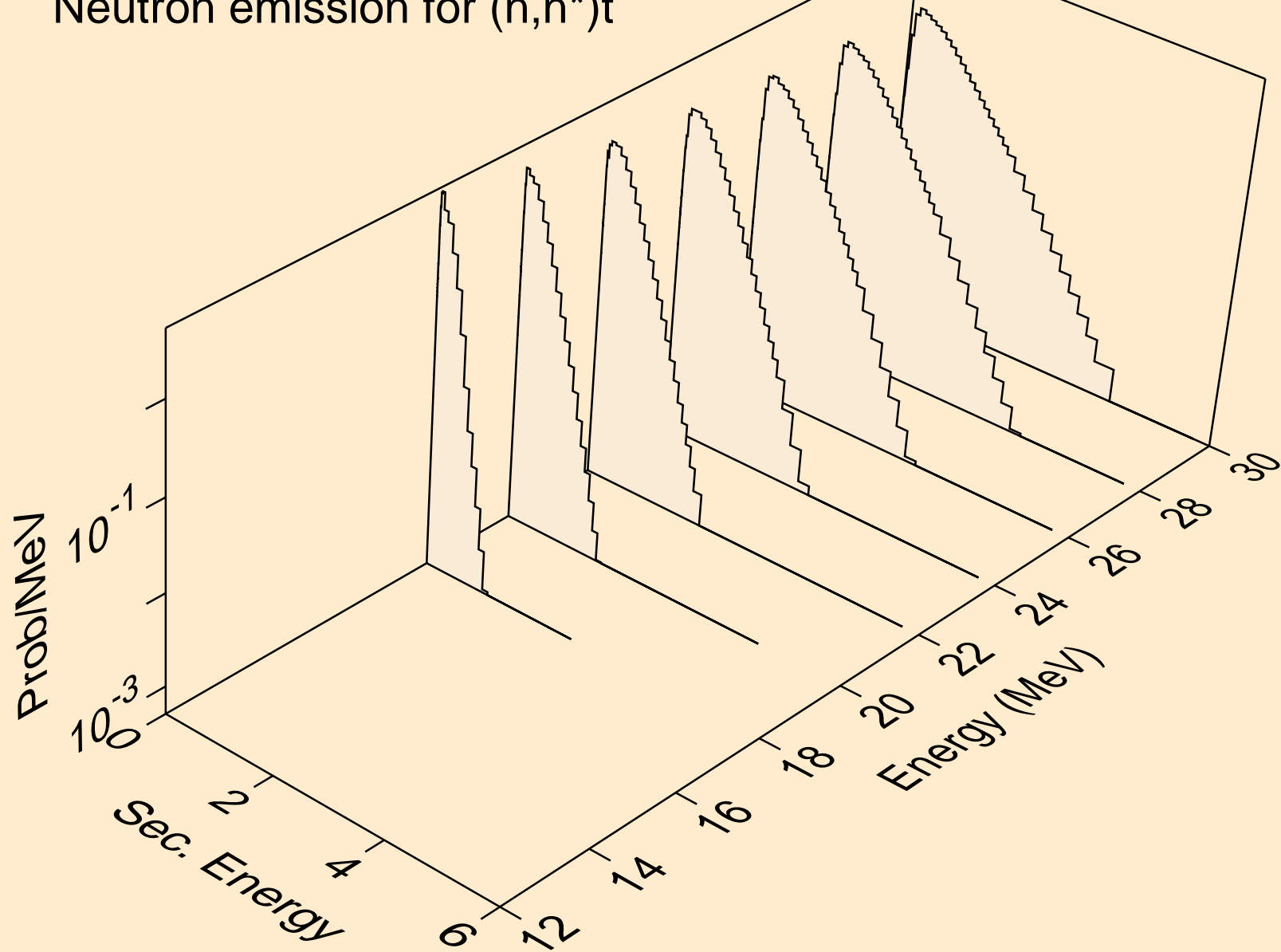
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Neutron emission for (n,n\*)2a



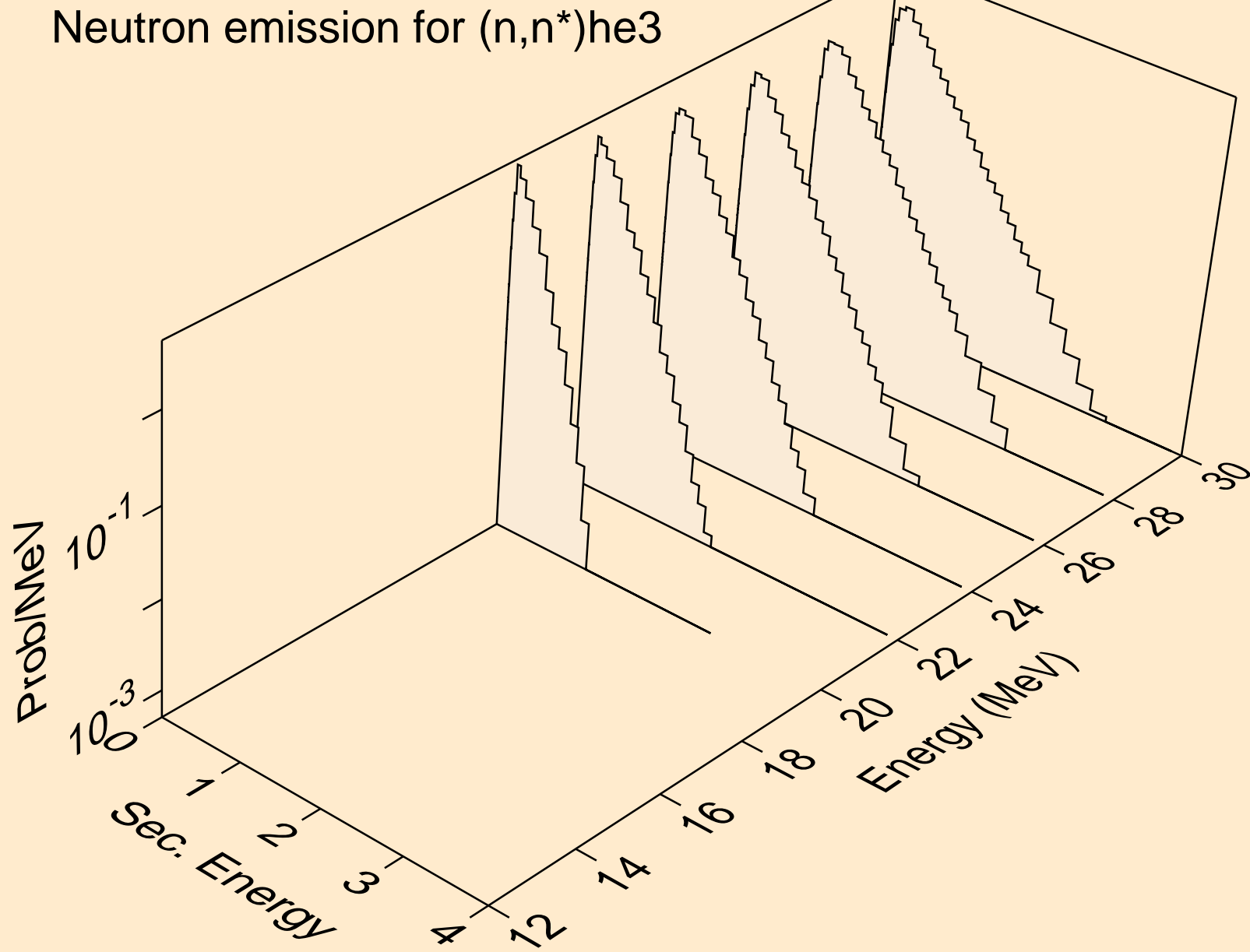
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Neutron emission for (n,n\*)d



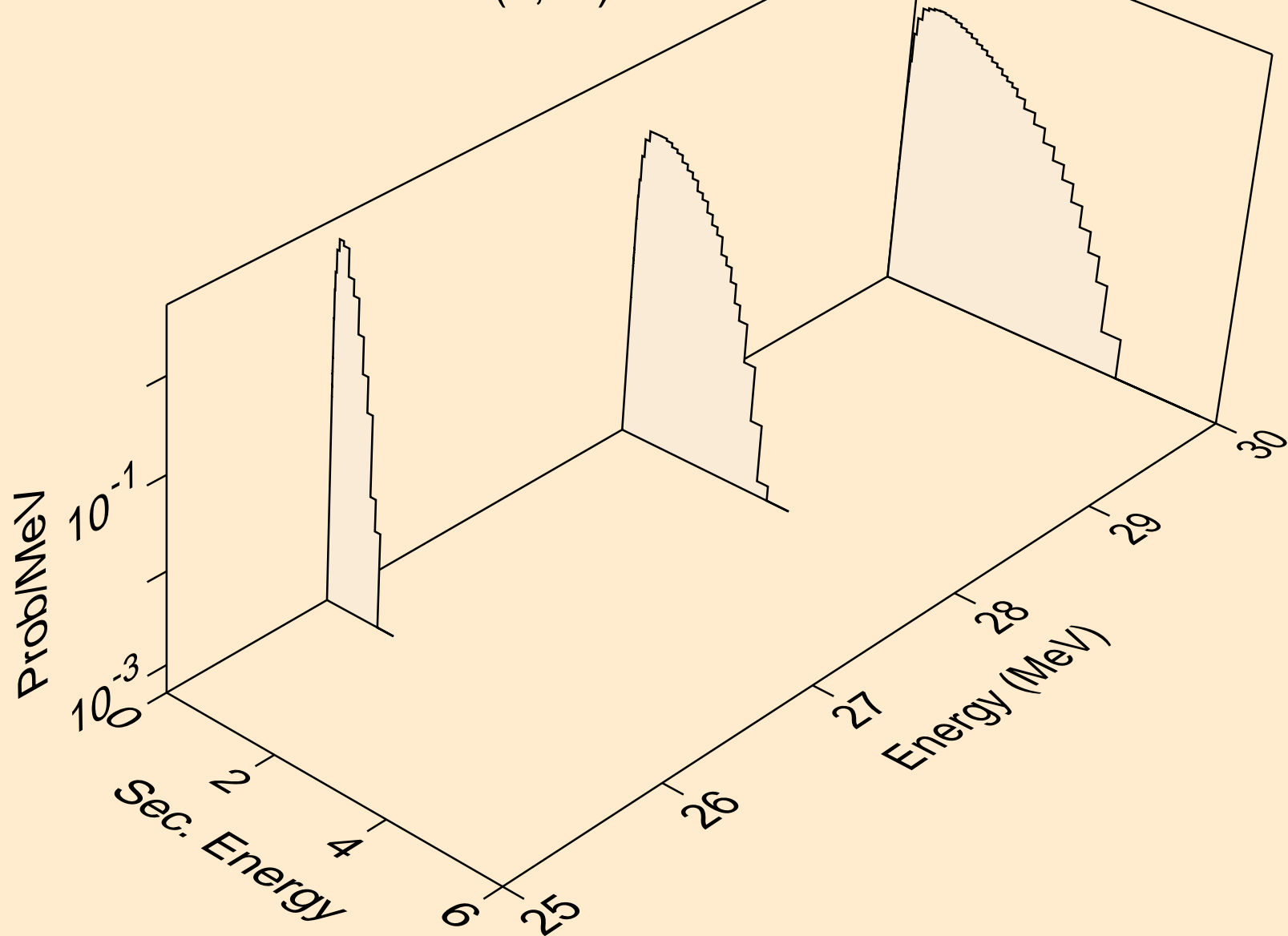
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Neutron emission for (n,n\*)t



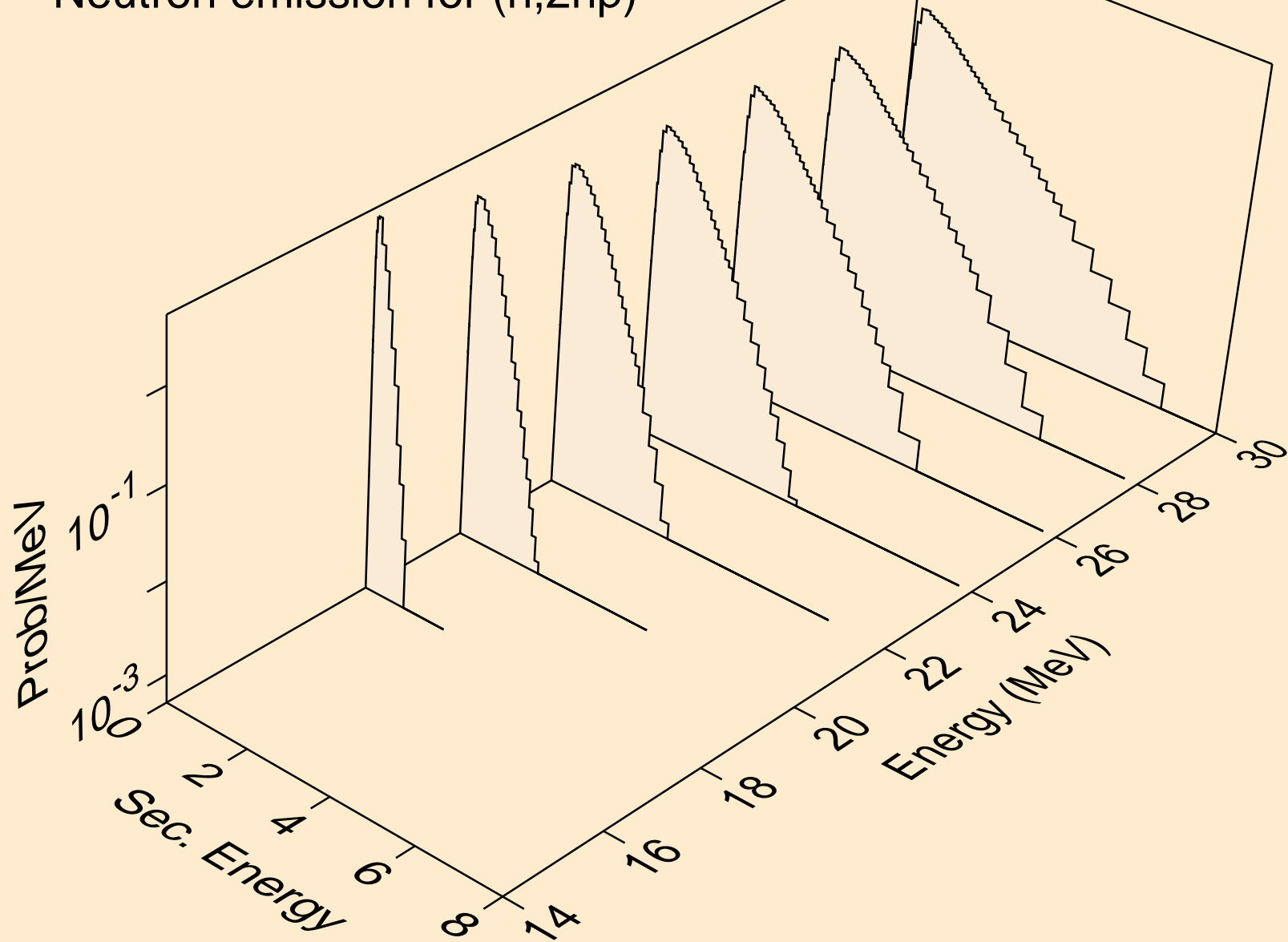
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)

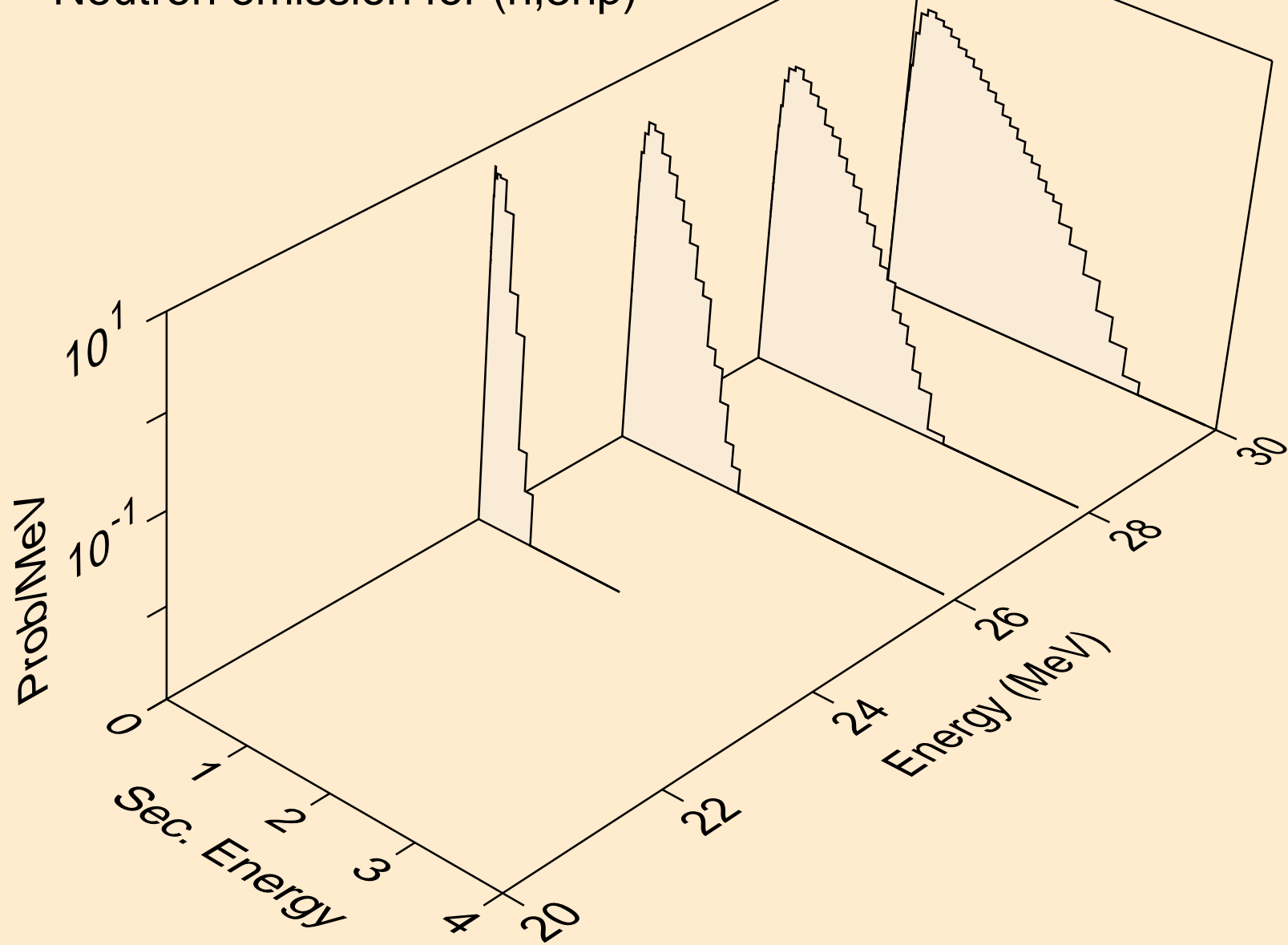


HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)

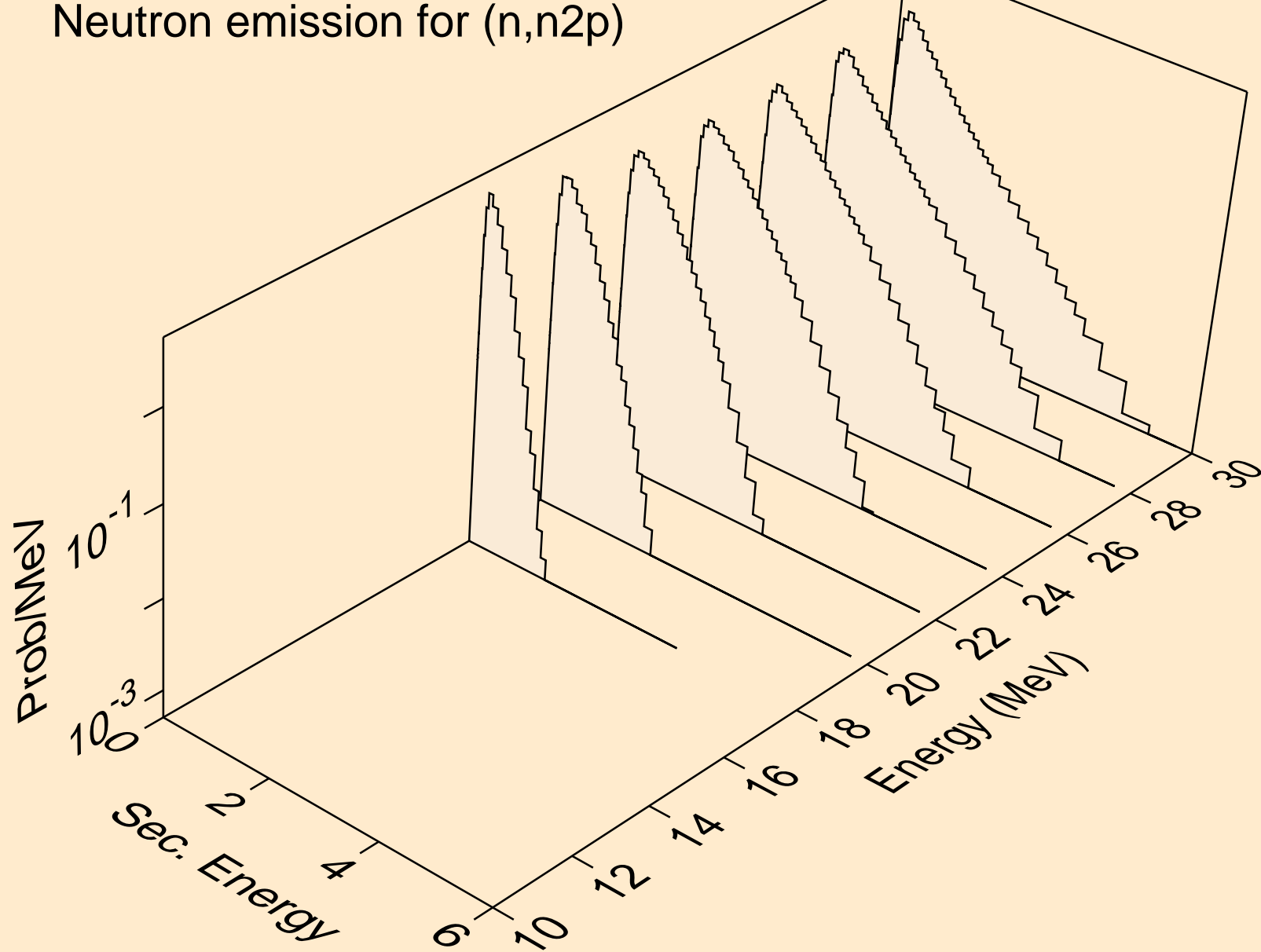




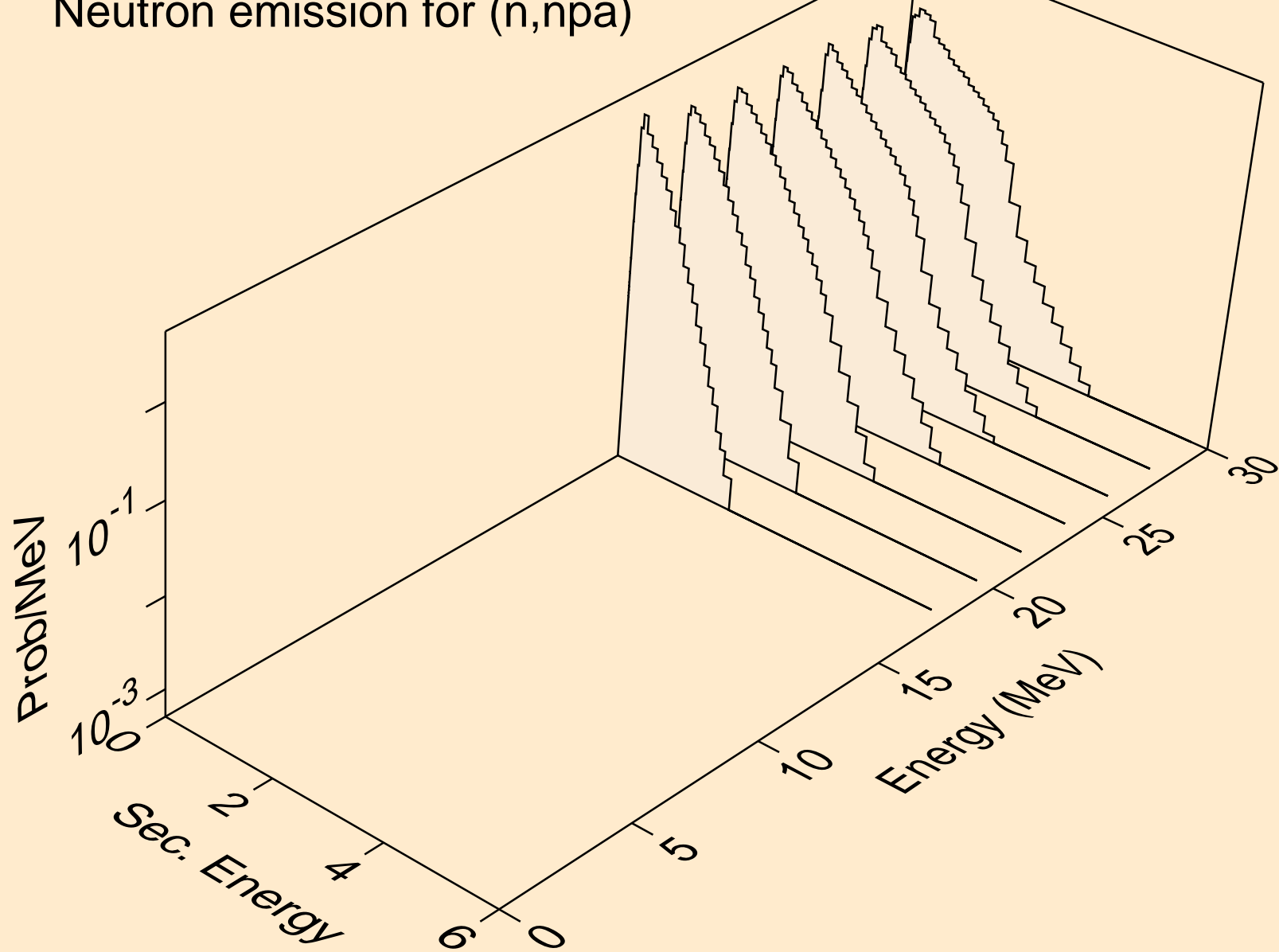
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Neutron emission for (n,3np)



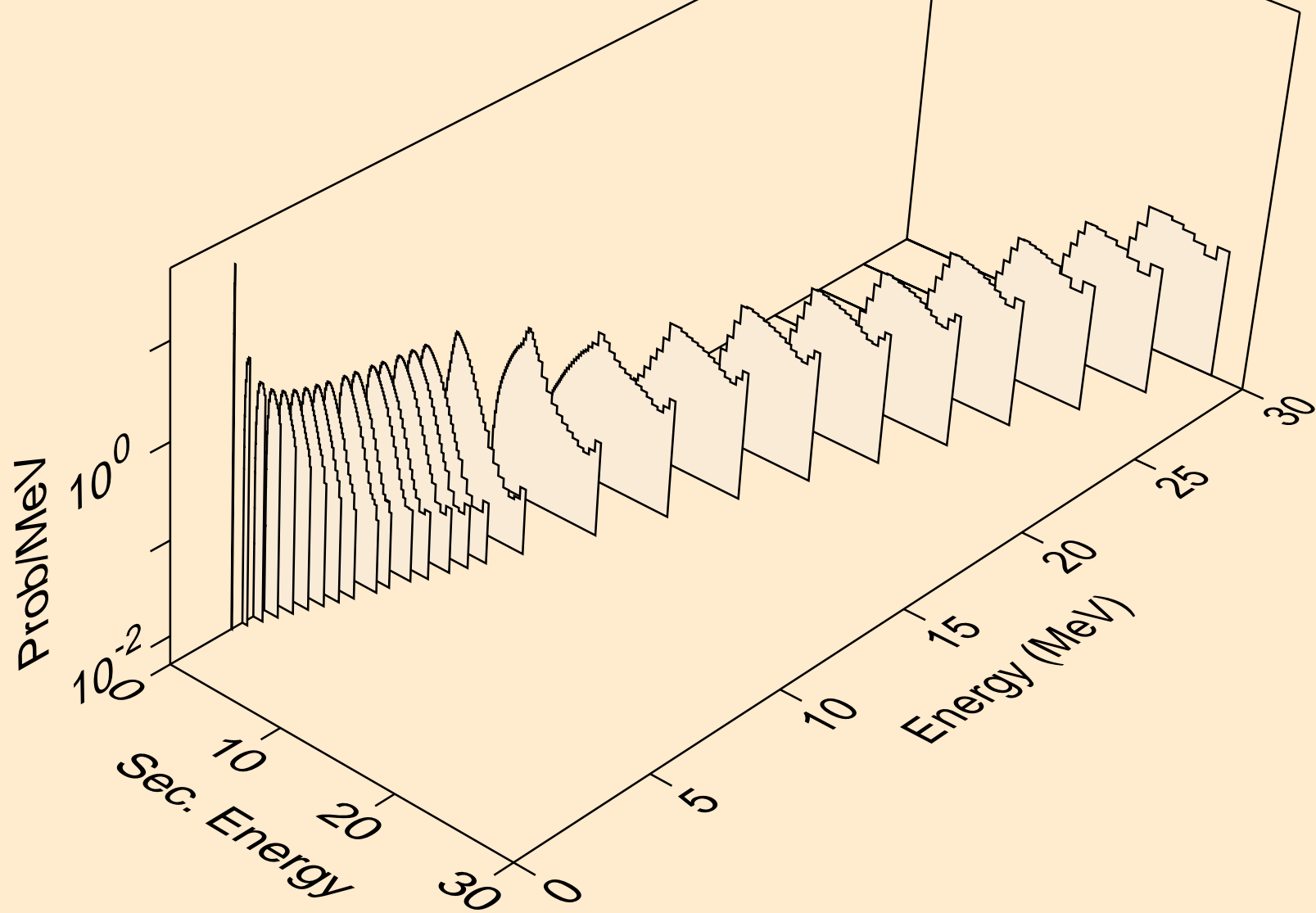
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Neutron emission for (n,n2p)



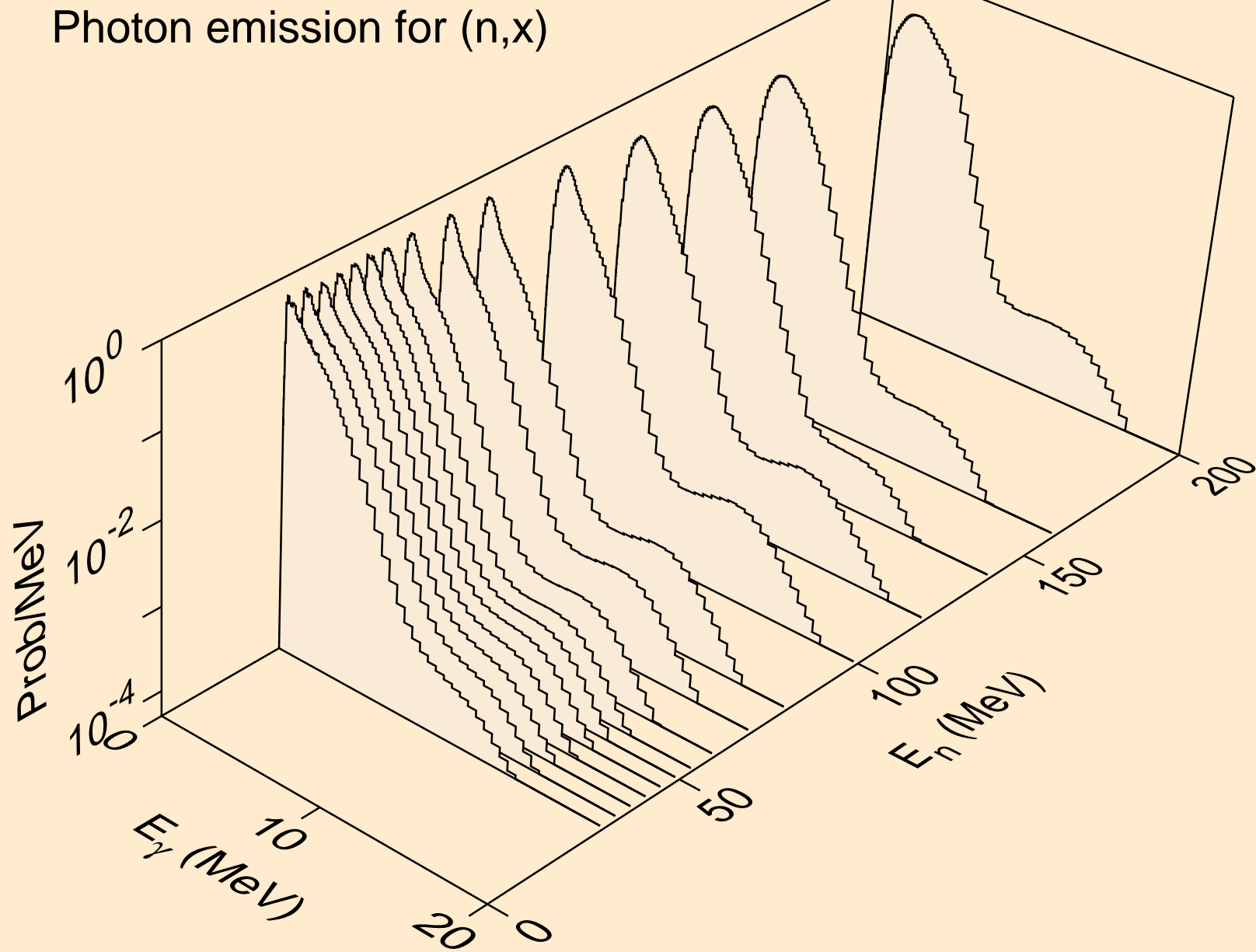
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



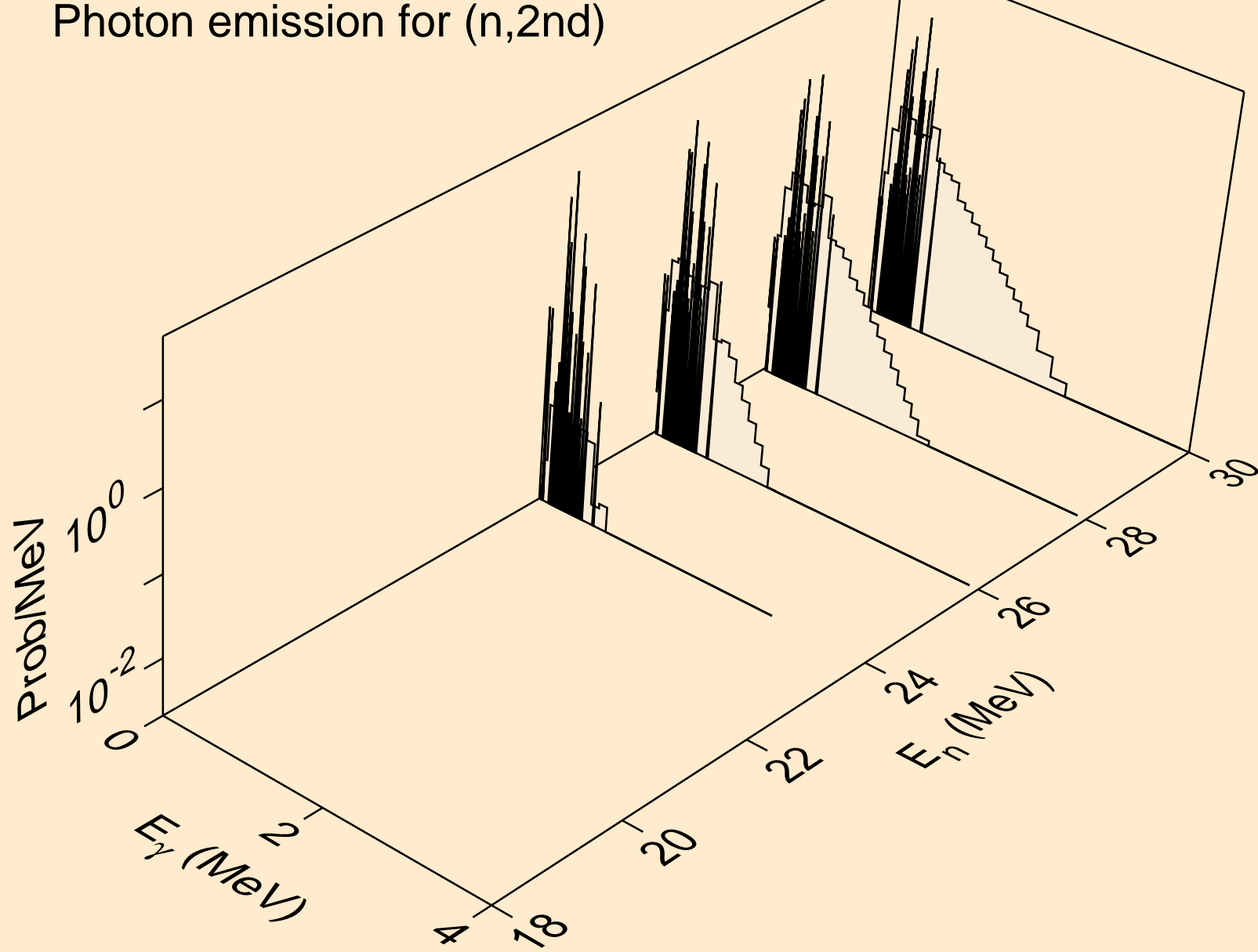
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



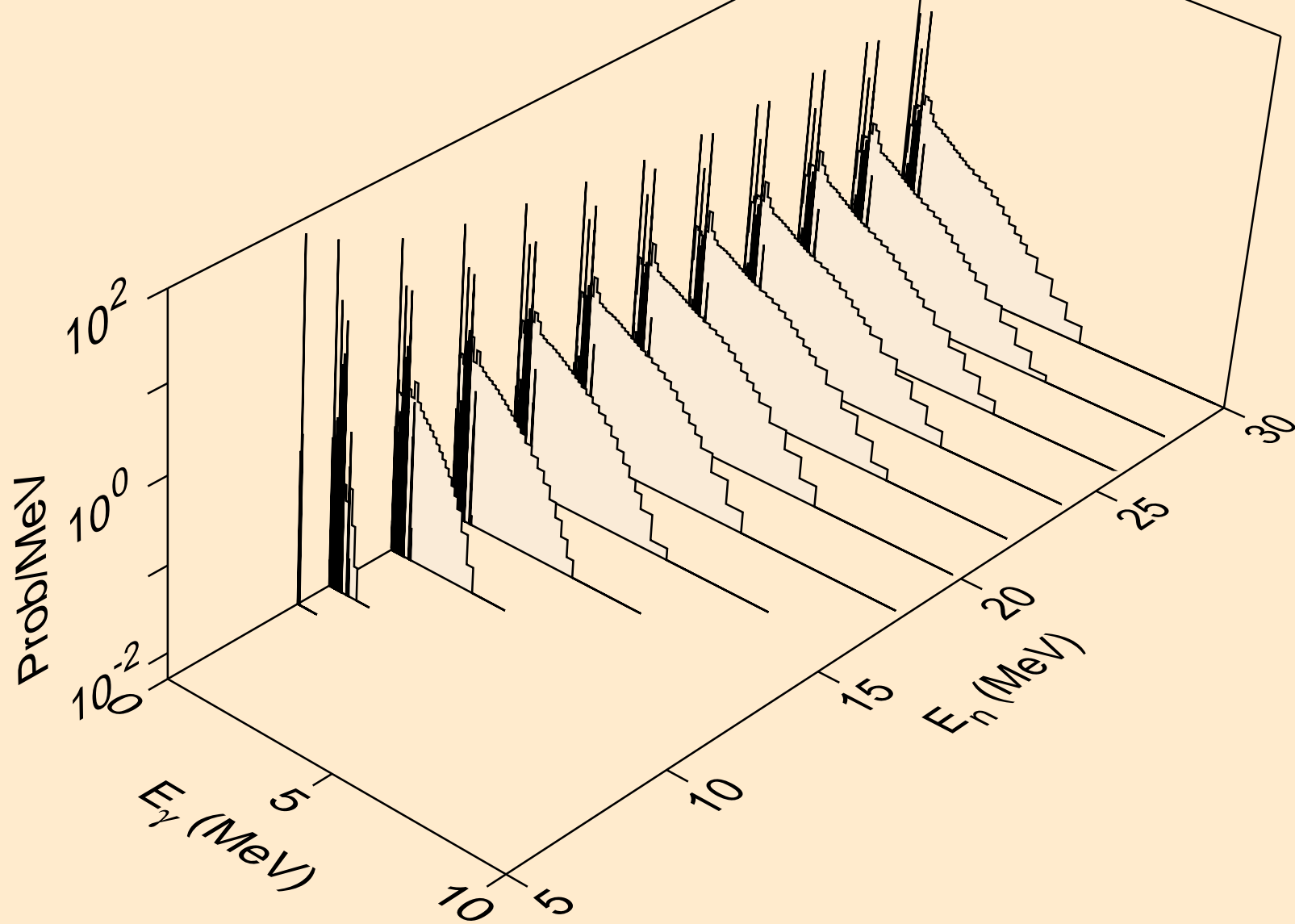
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



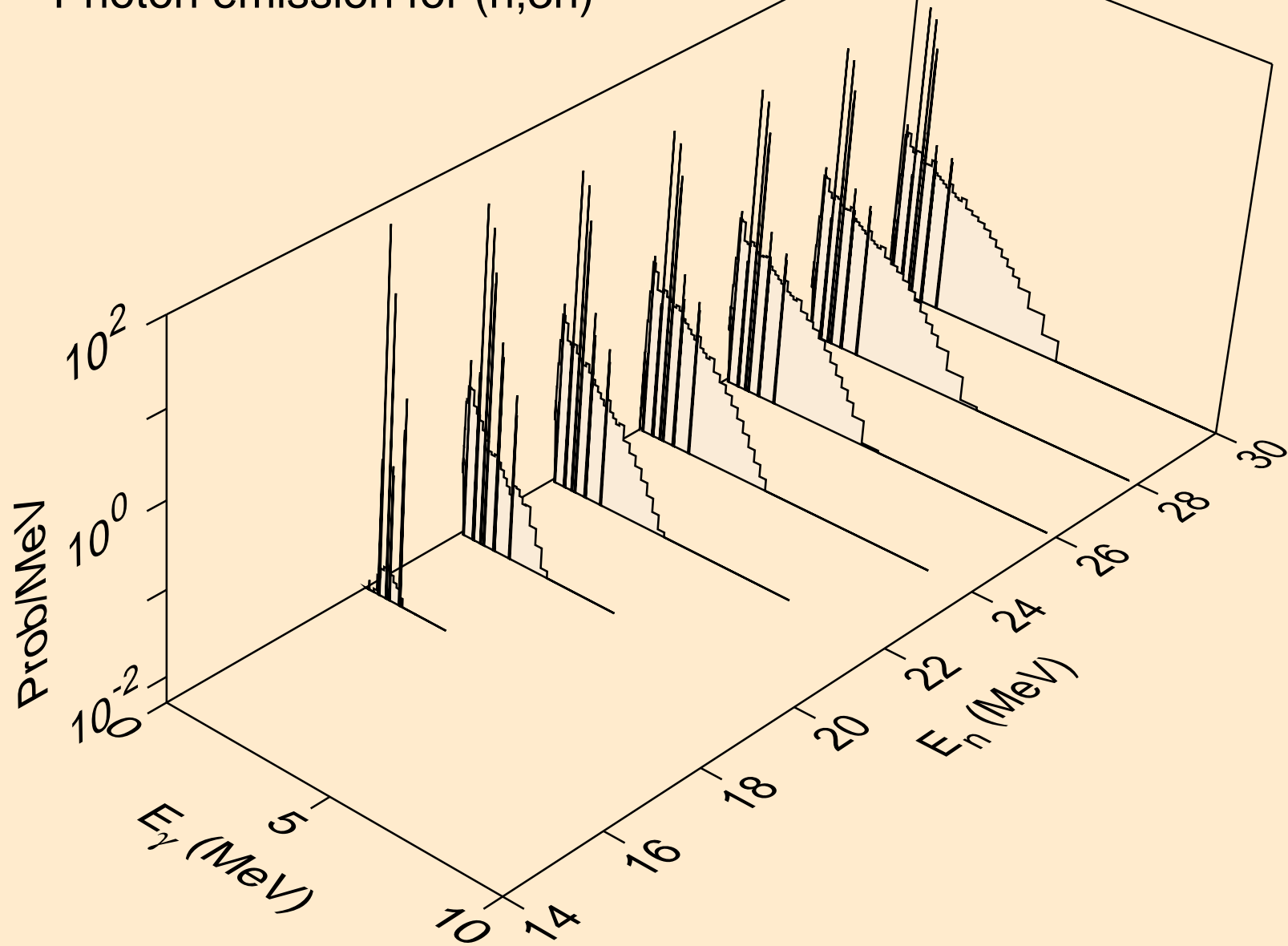
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

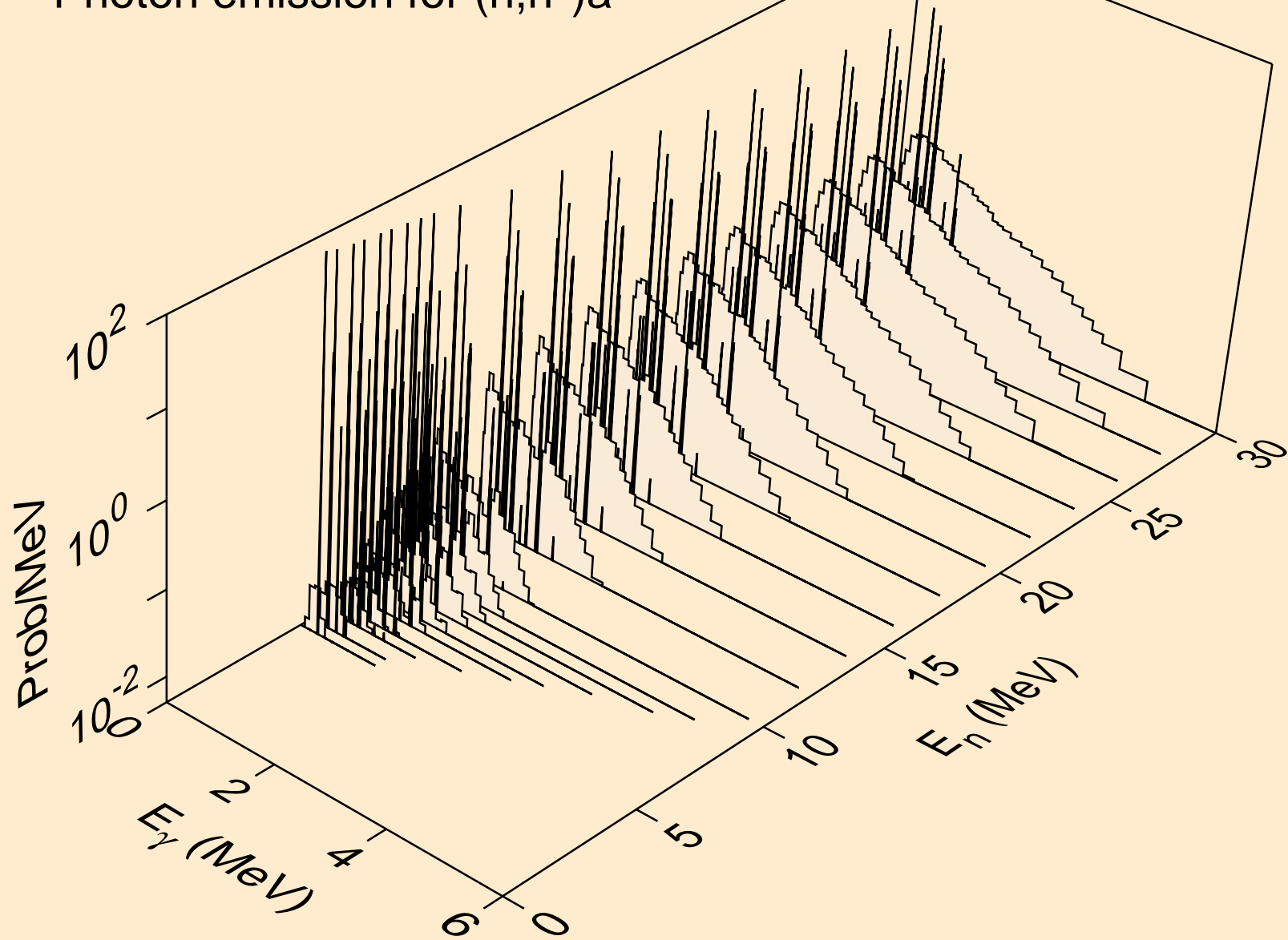


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Photon emission for (n,3n)

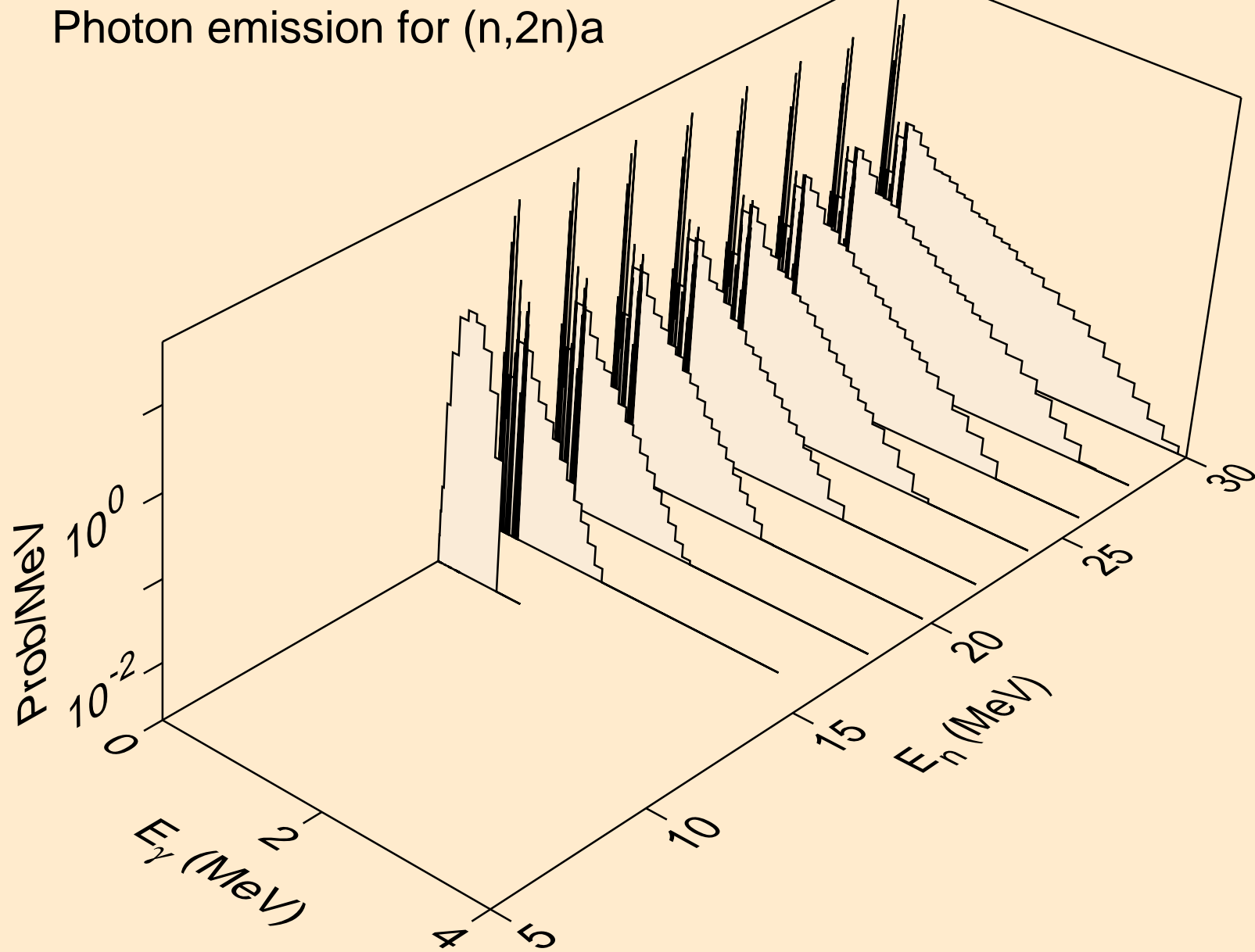




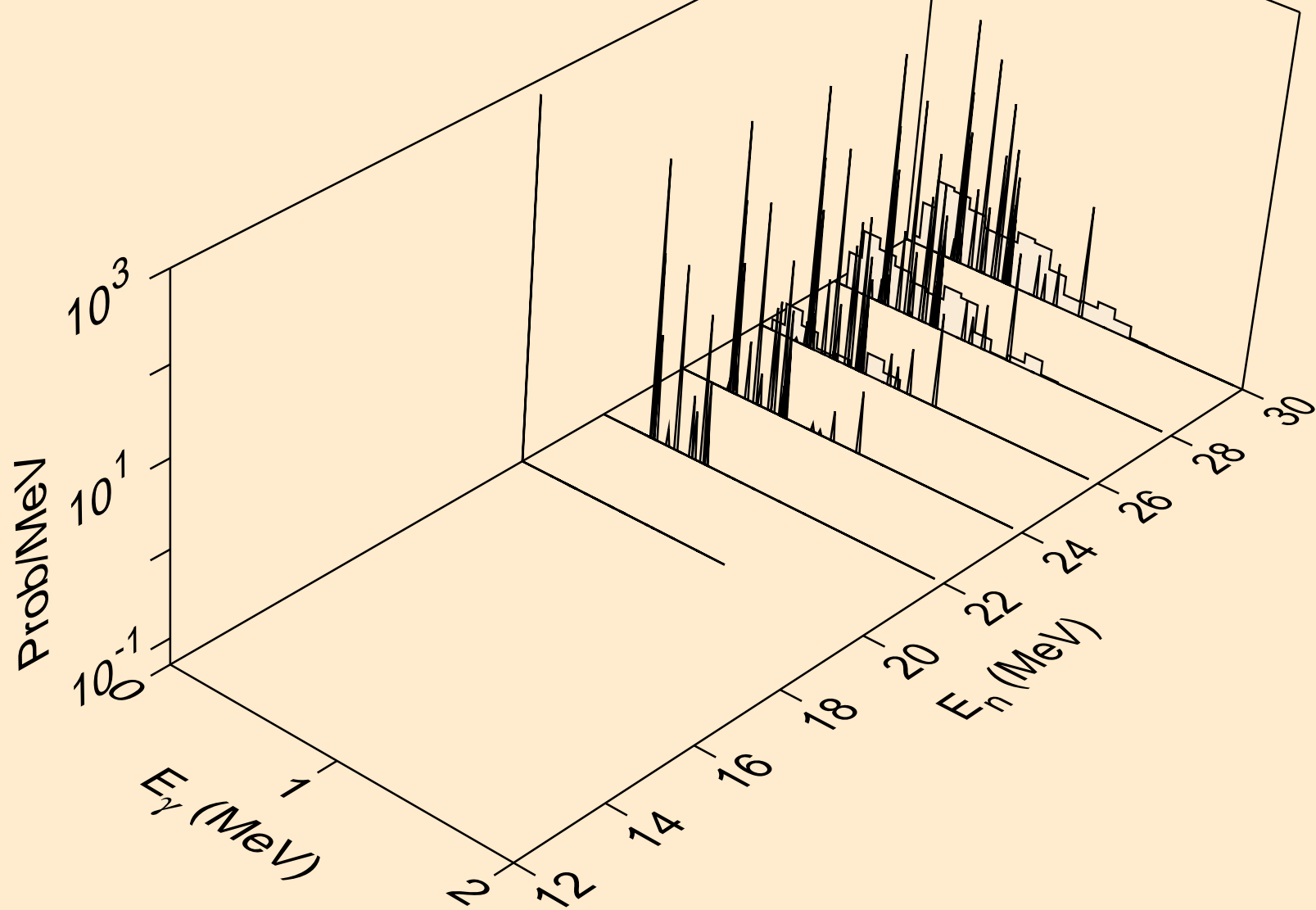
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



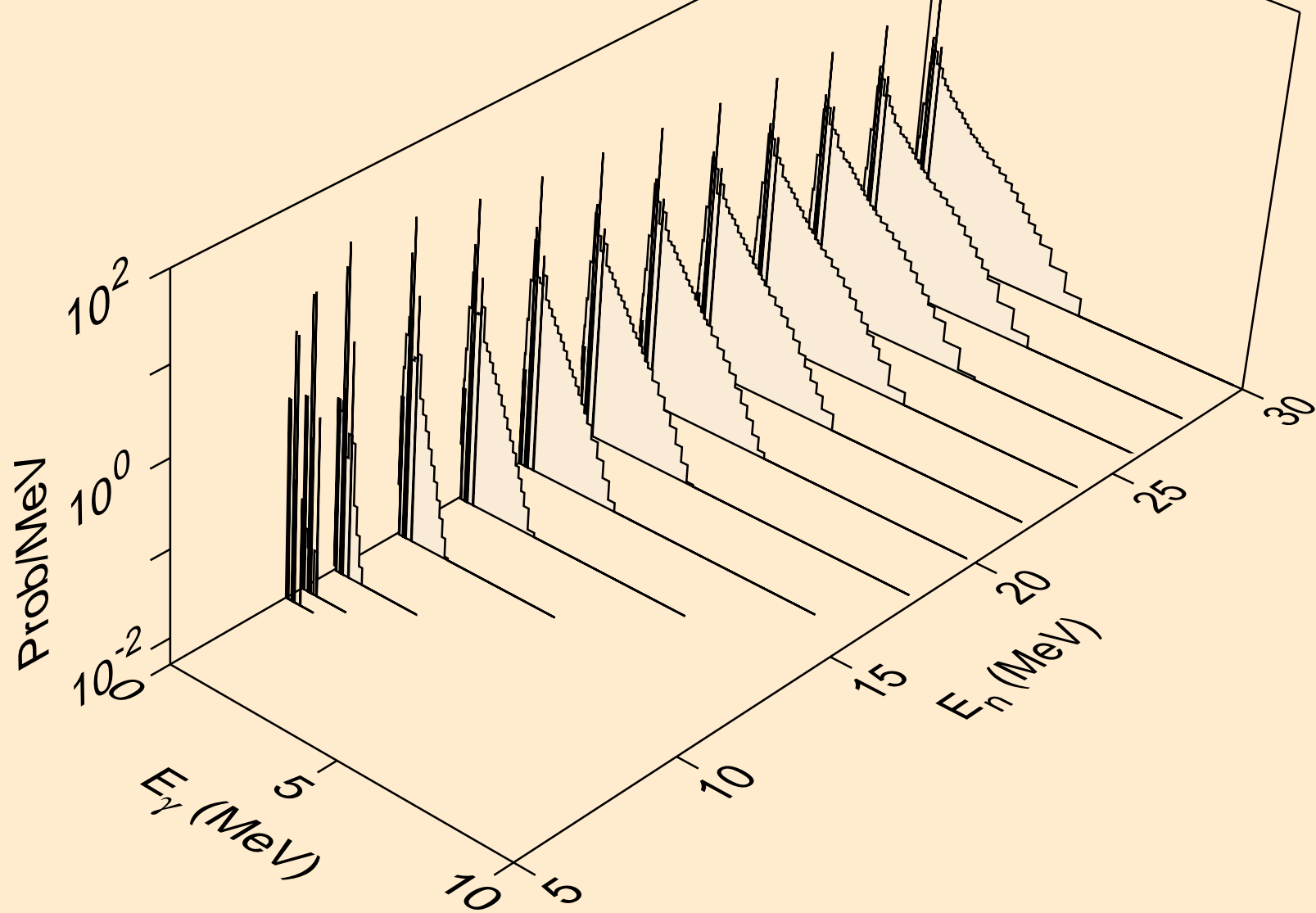
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Photon emission for (n,2n)a



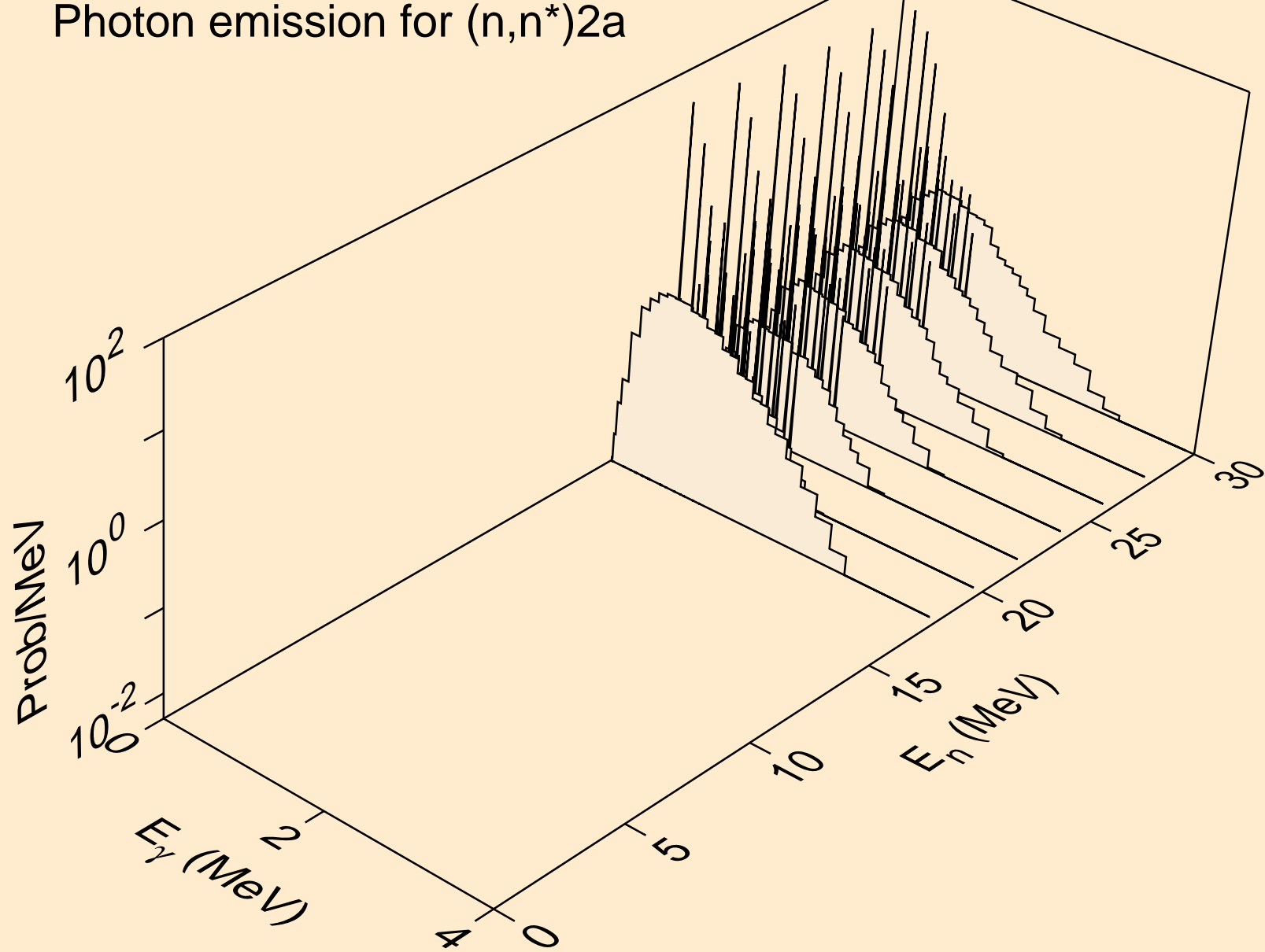
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Photon emission for (n,3n)a



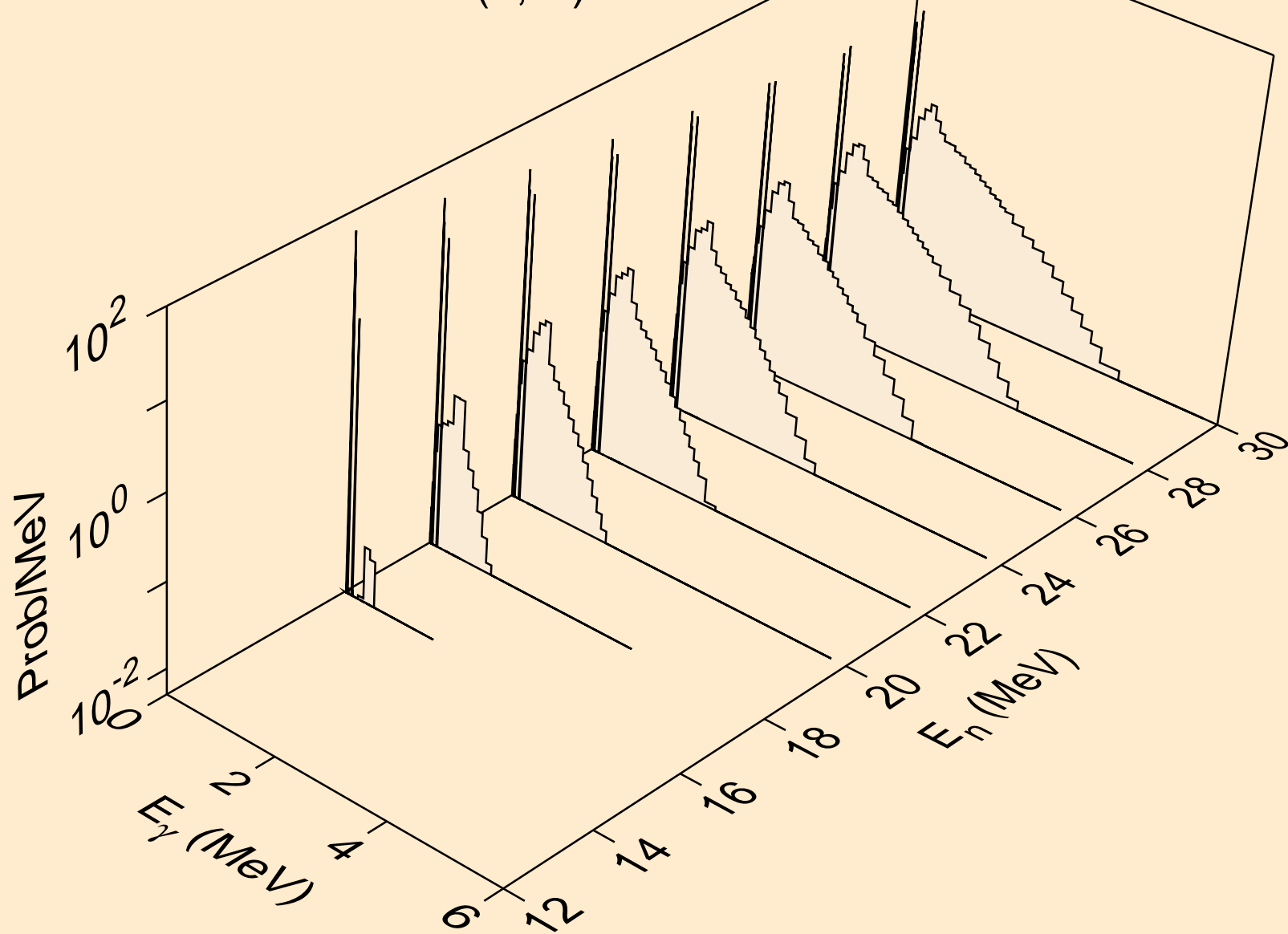
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



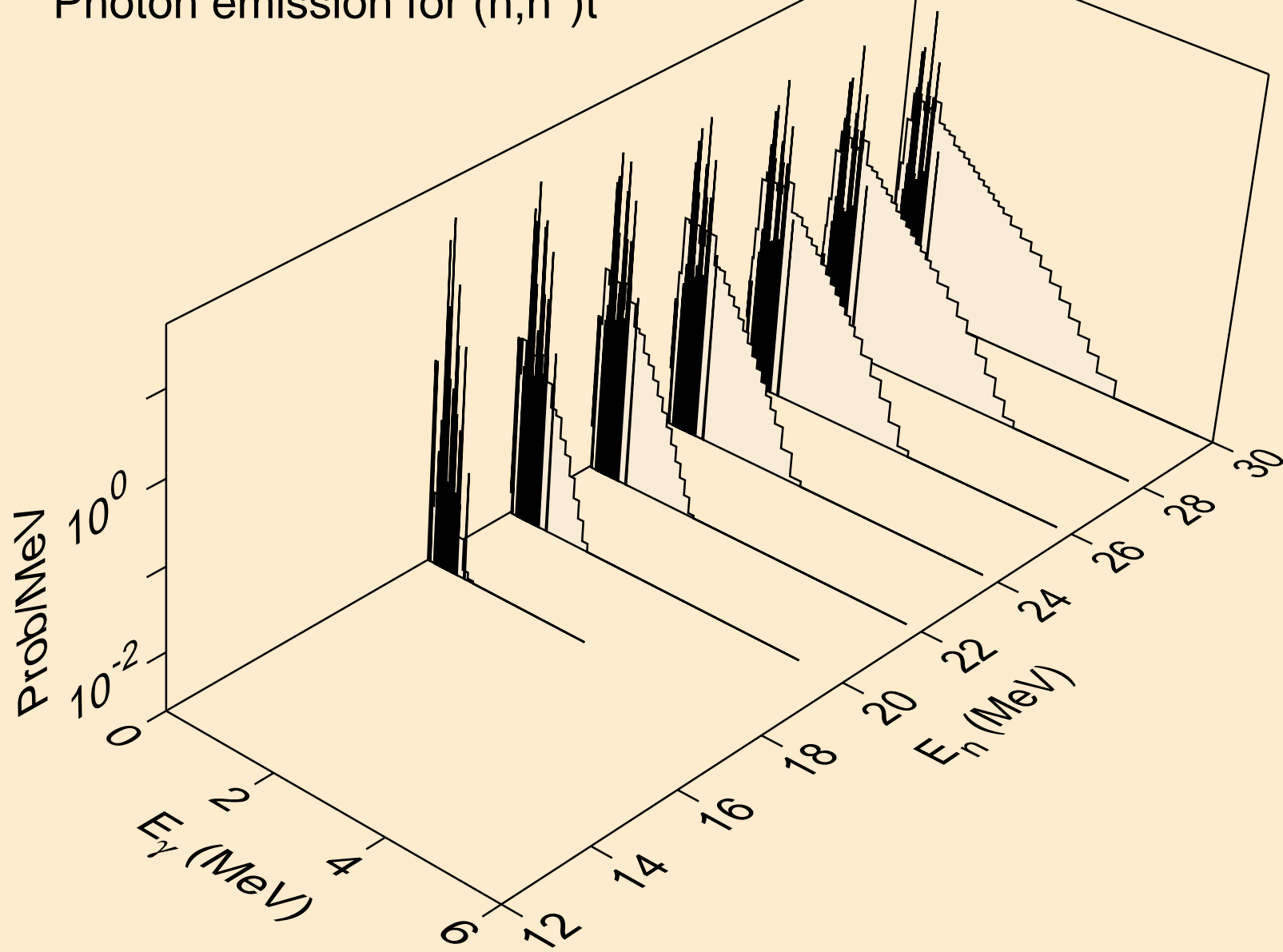
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



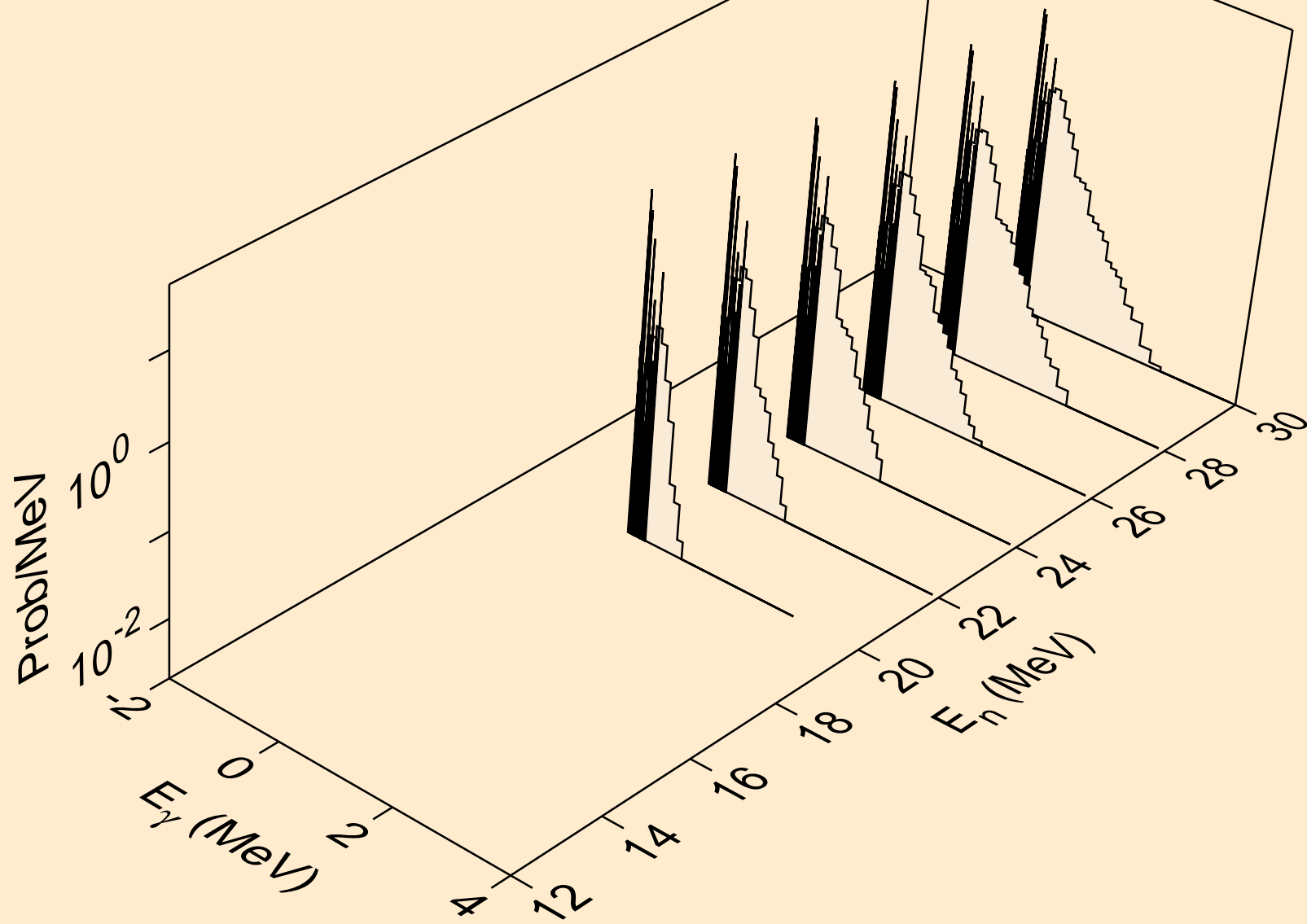
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

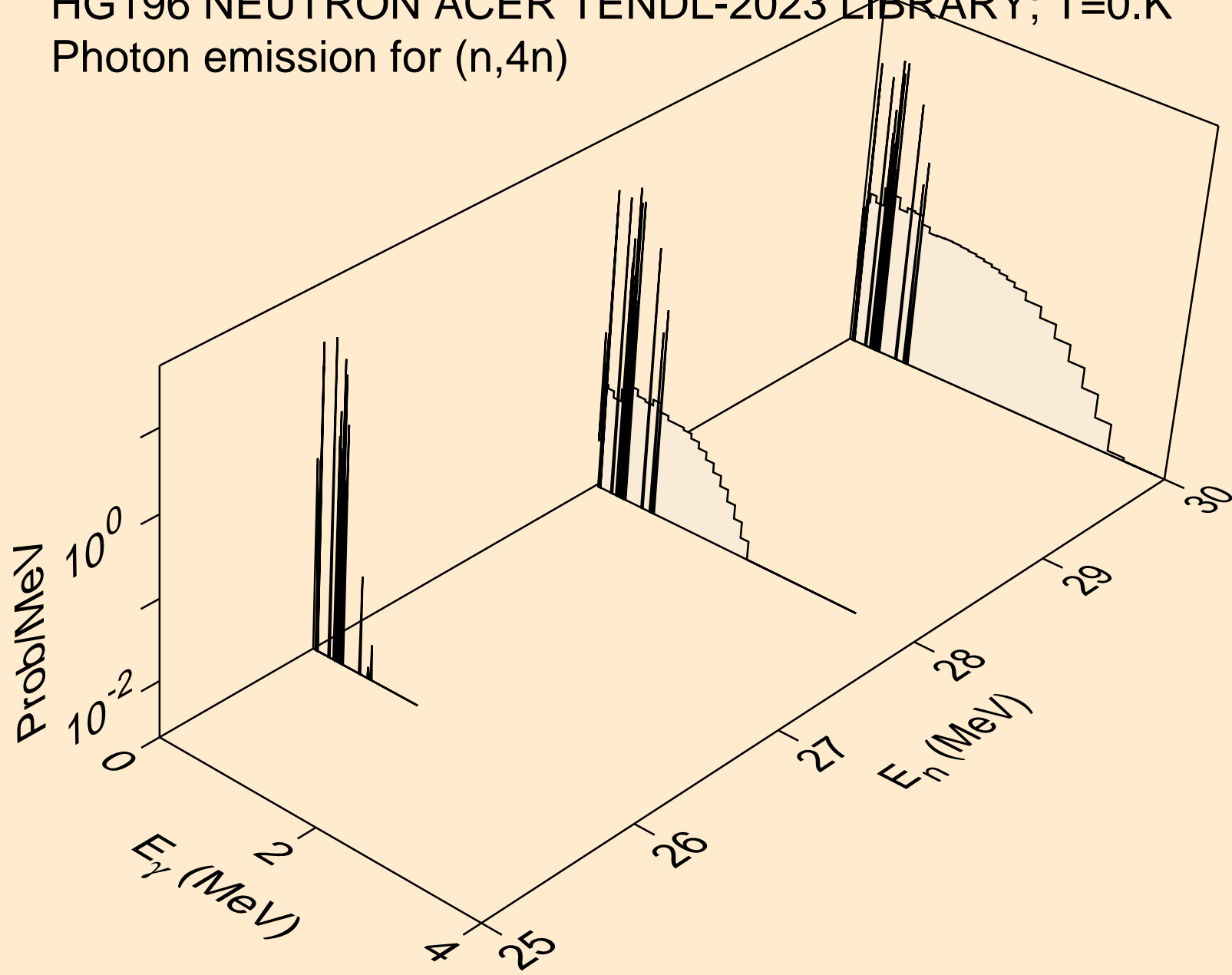


HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

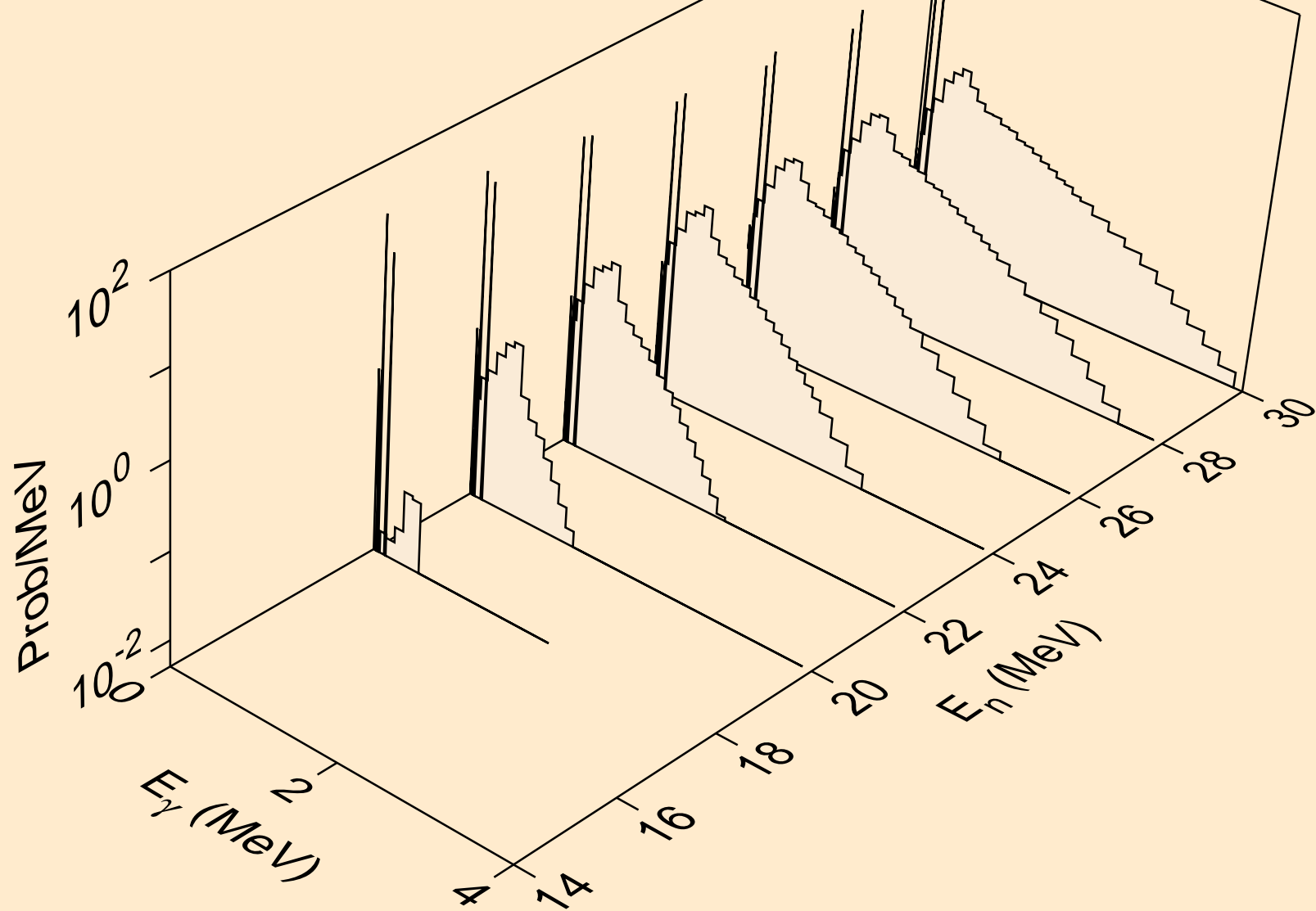




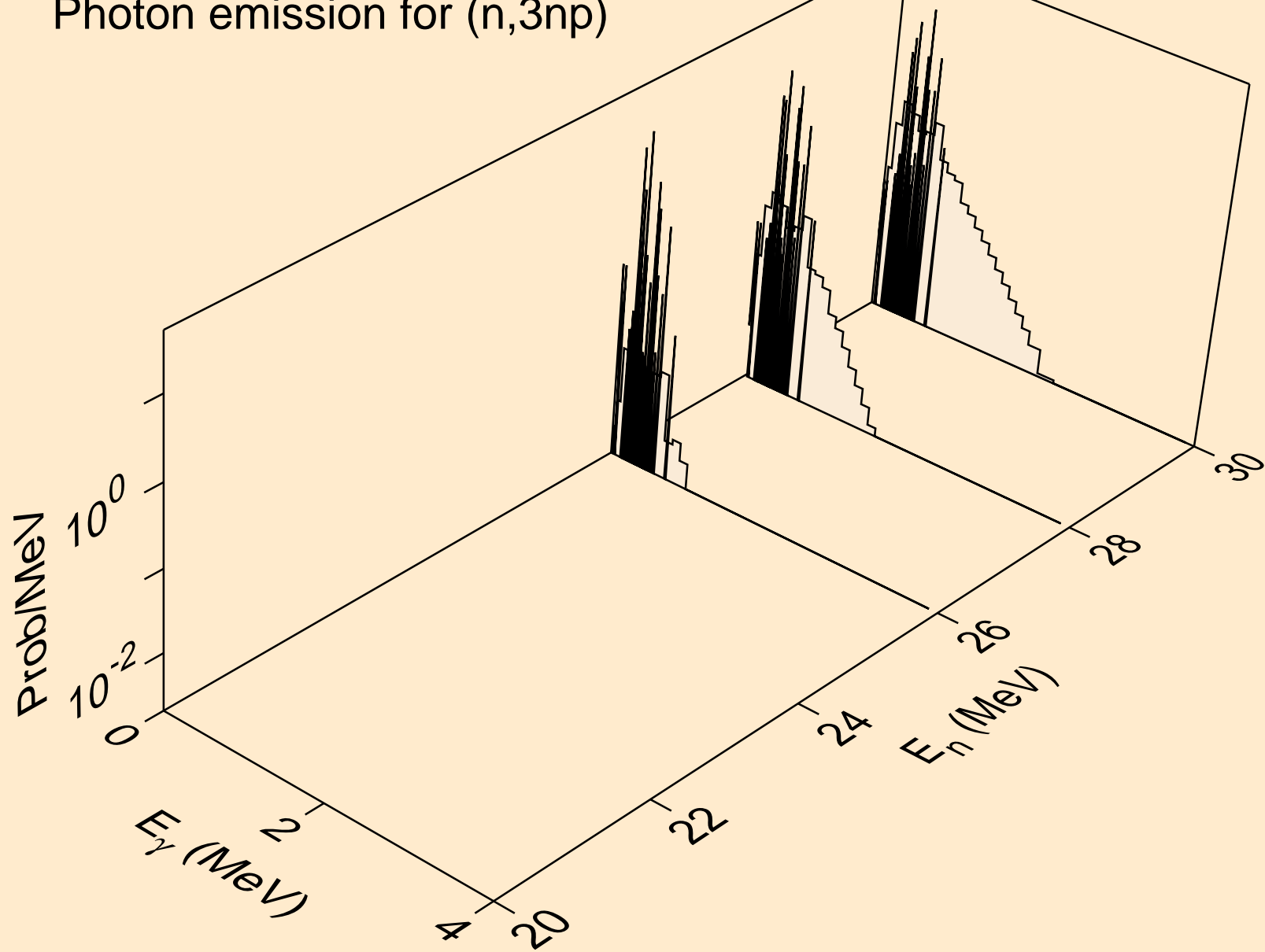
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Photon emission for (n,4n)



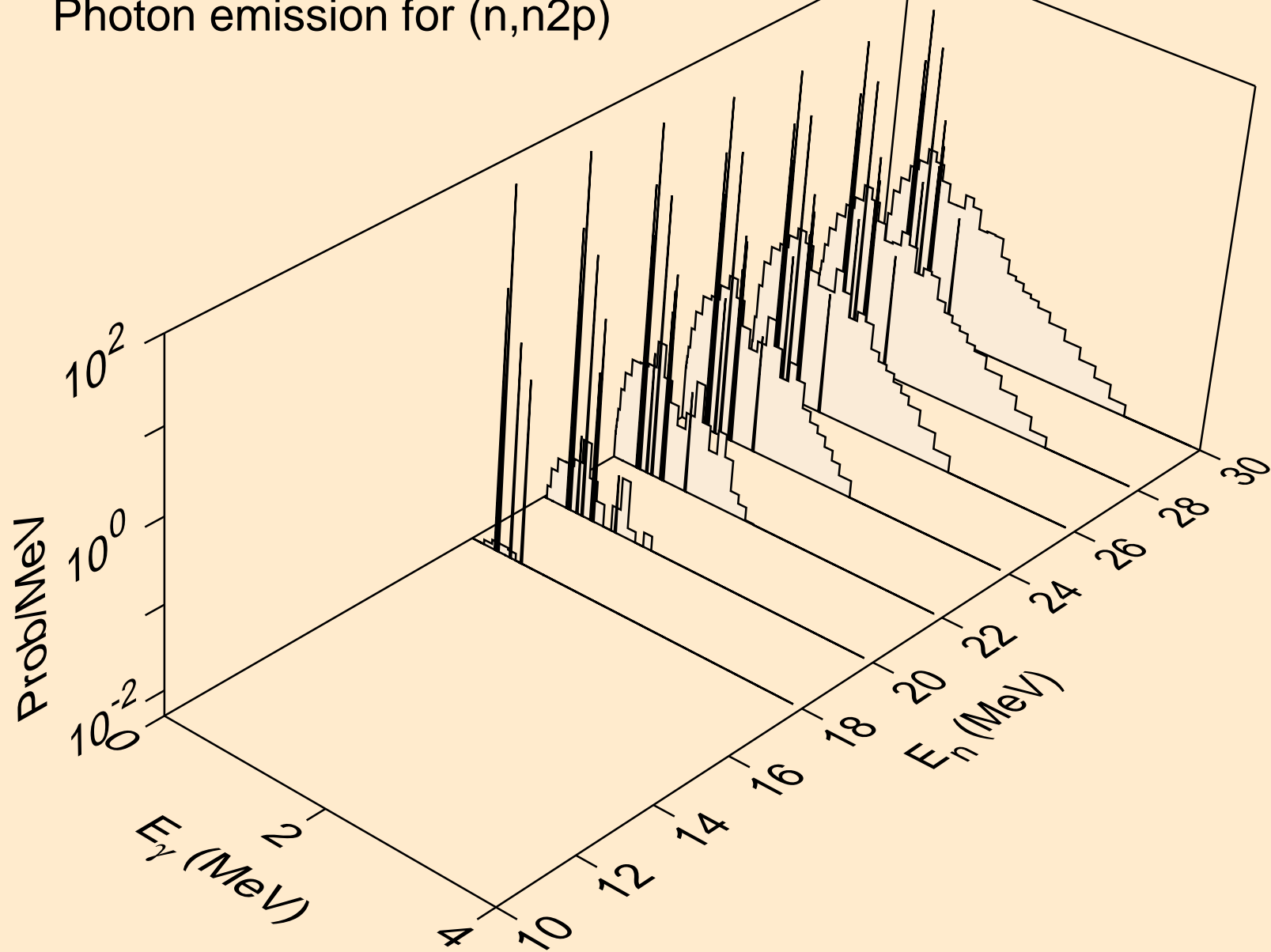
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Photon emission for (n,2np)



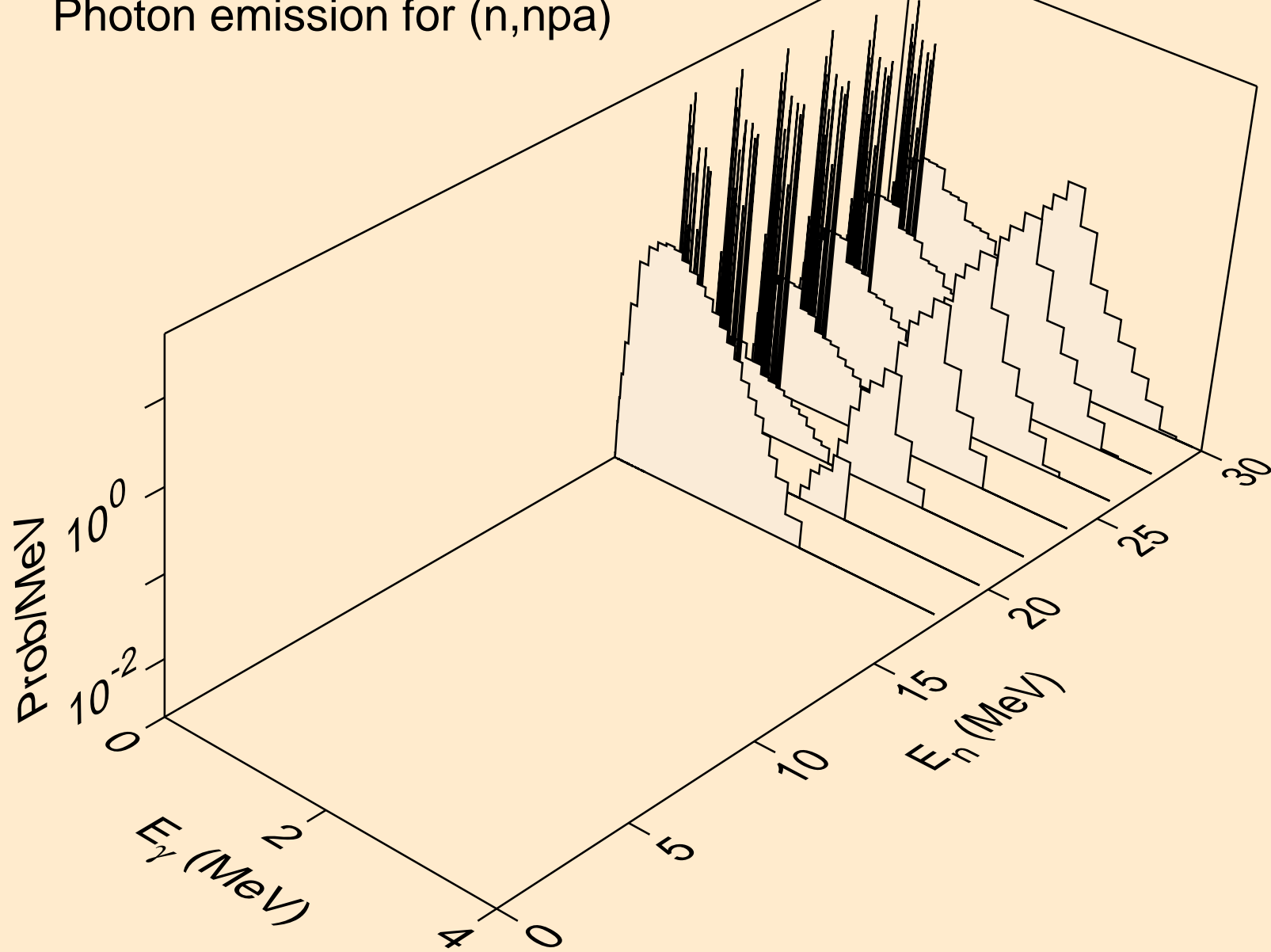
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Photon emission for (n,3np)



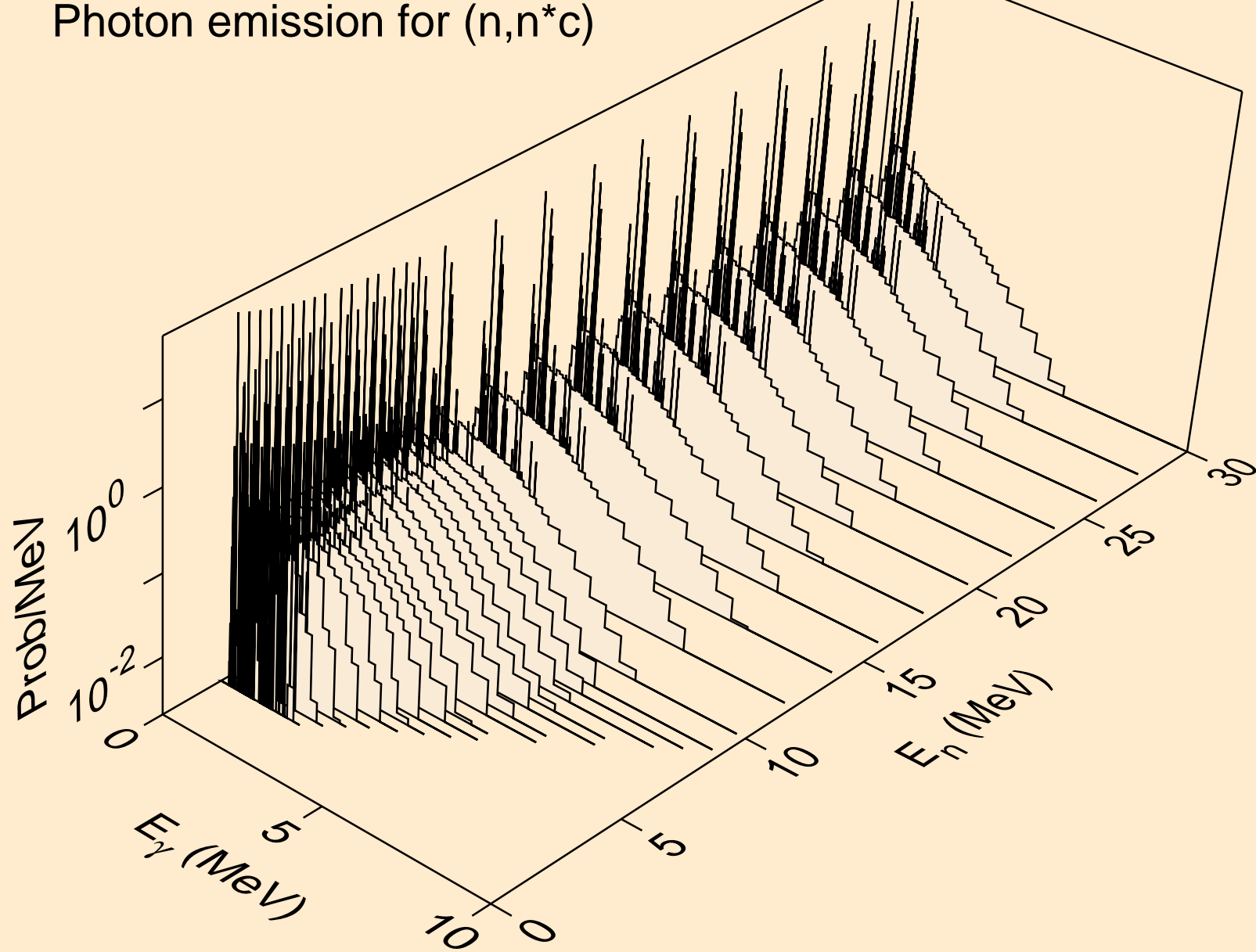
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Photon emission for (n,n2p)



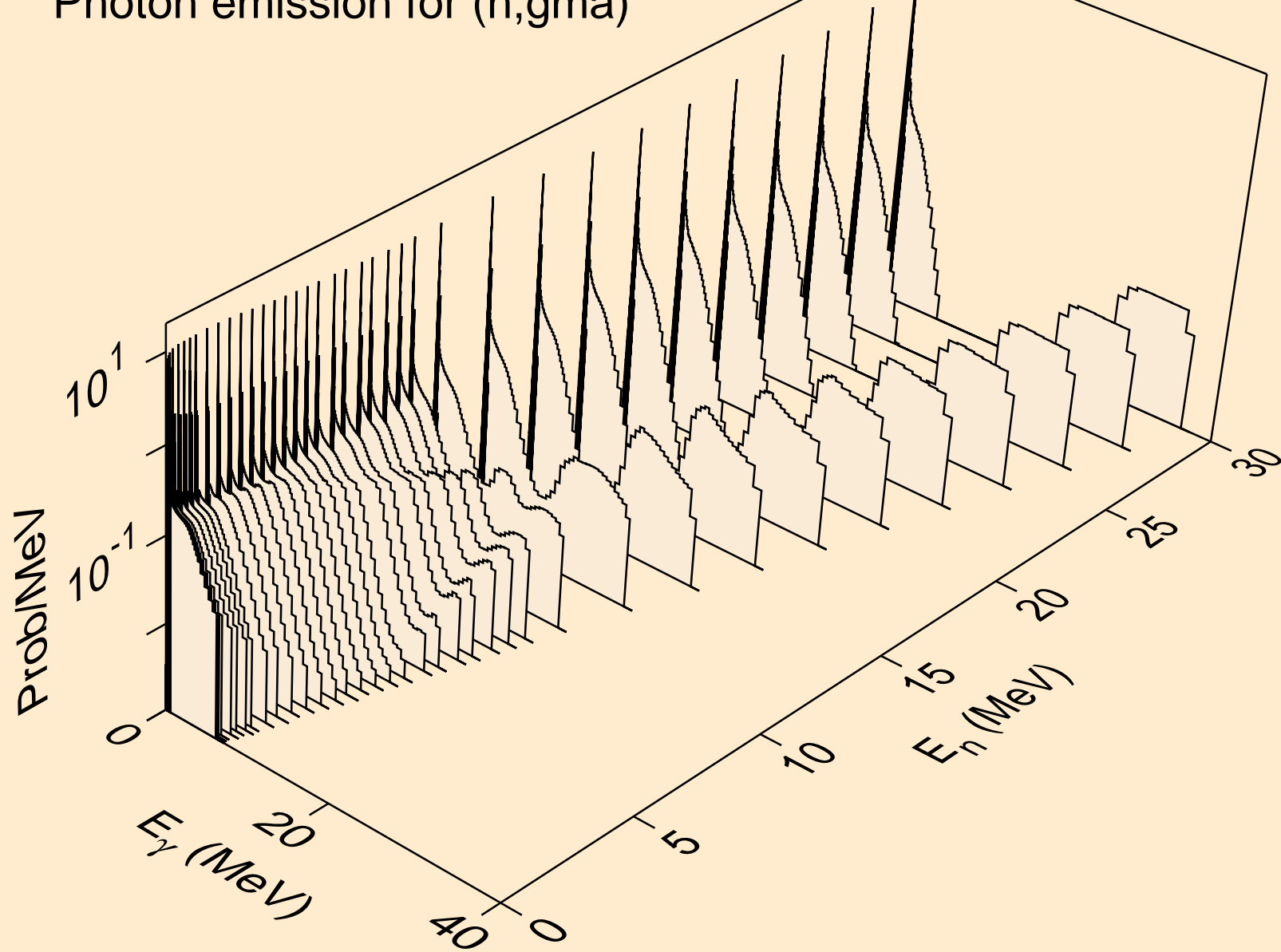
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



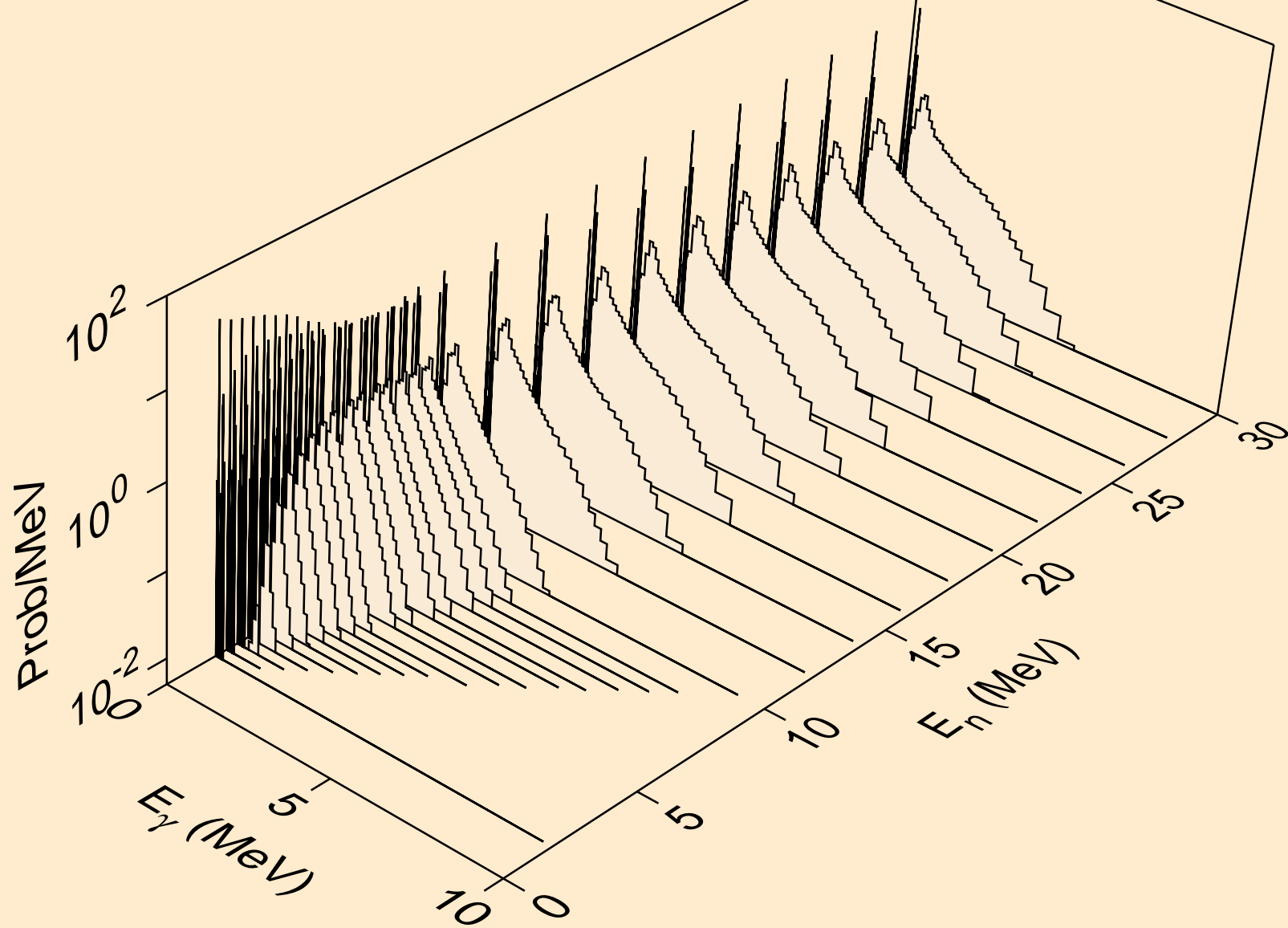
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)

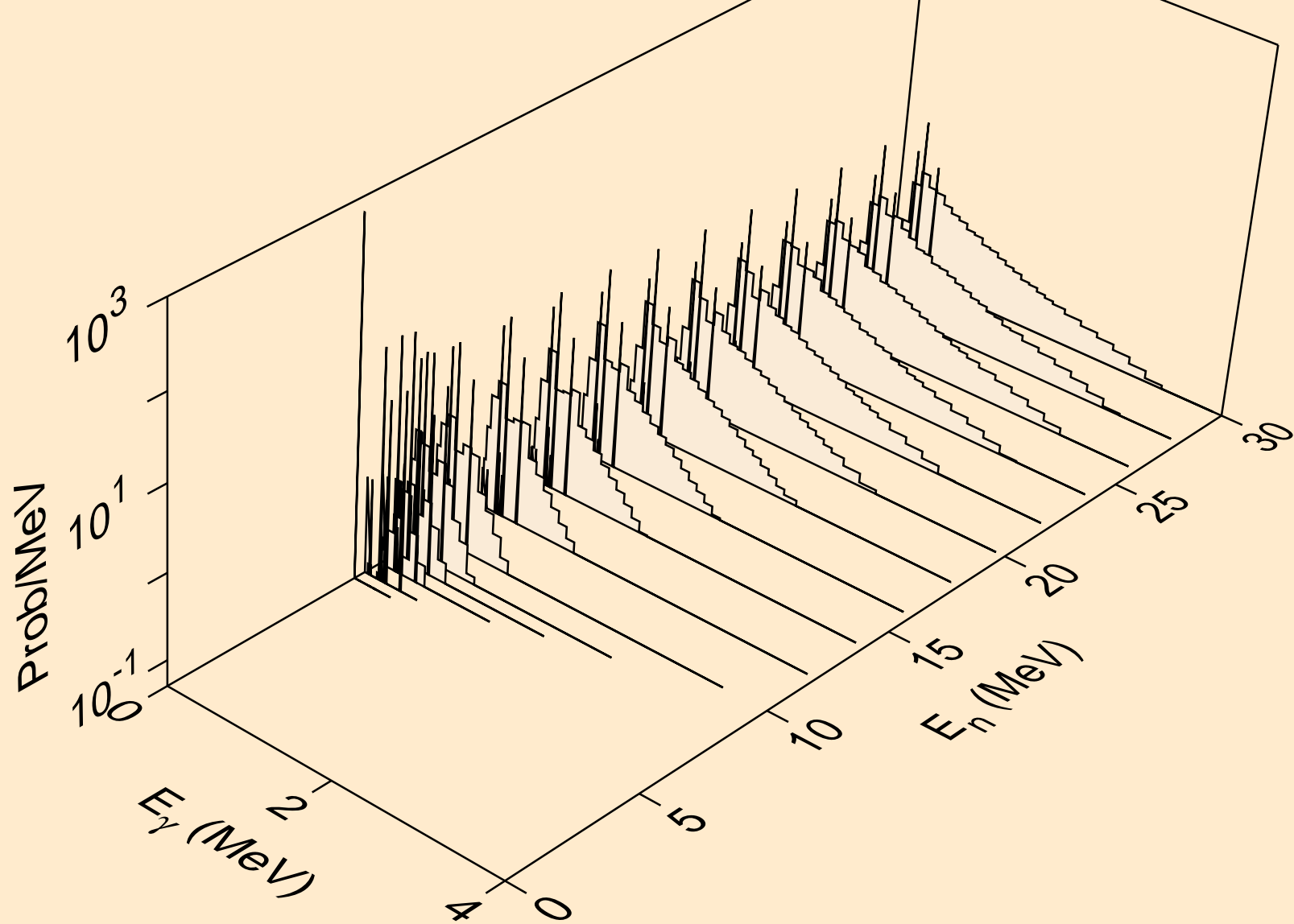


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Photon emission for (n,p)

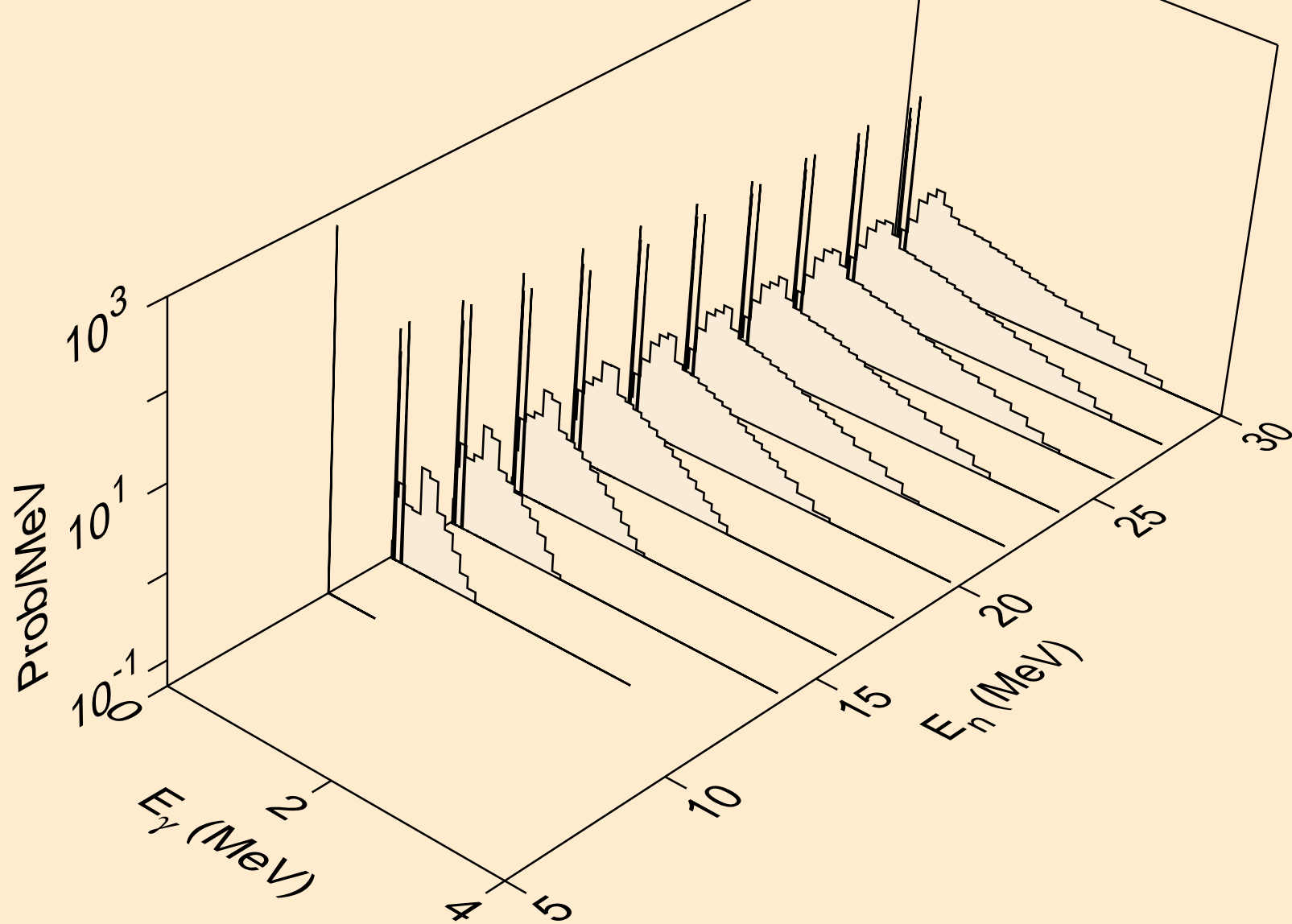




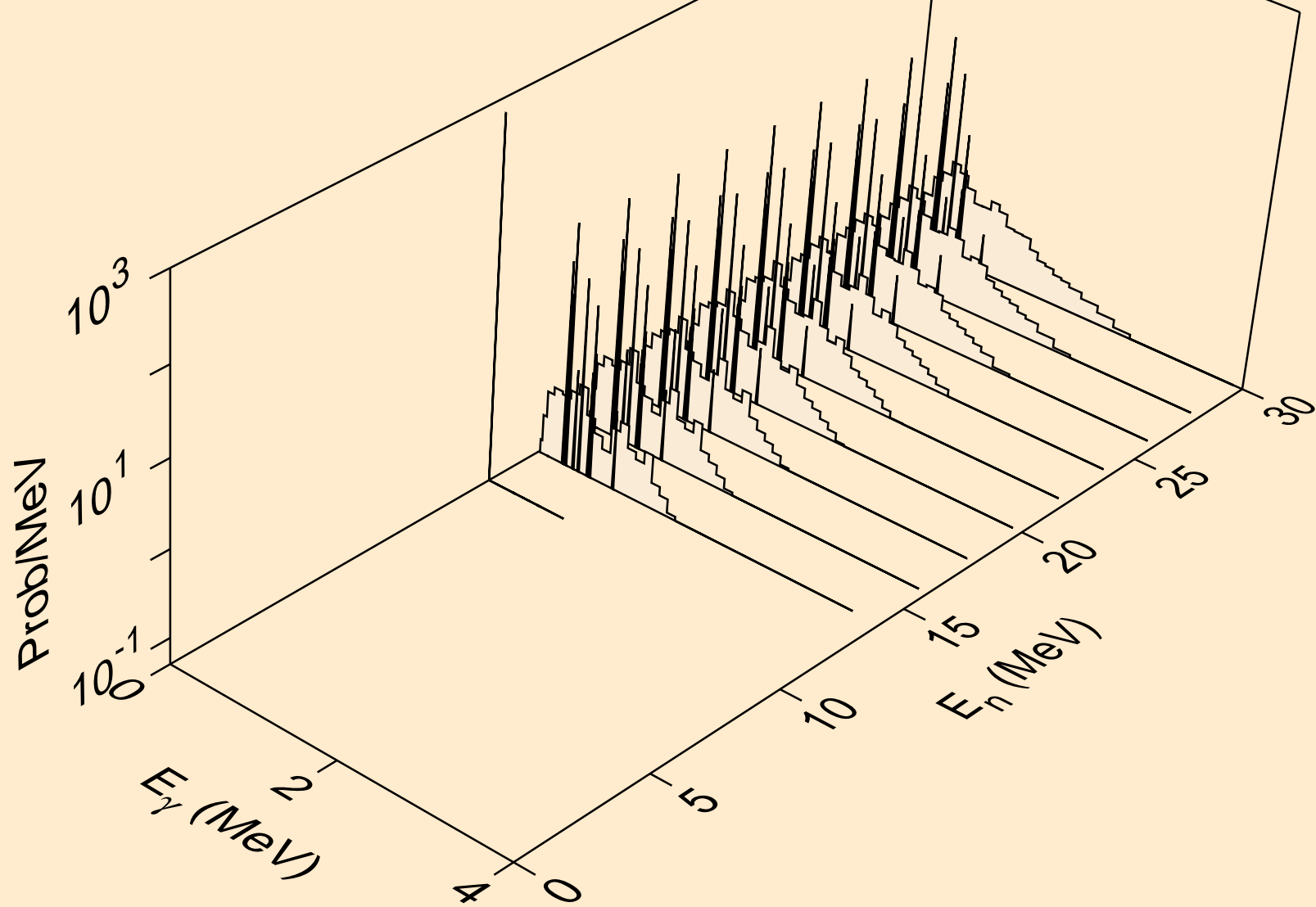
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Photon emission for (n,d)



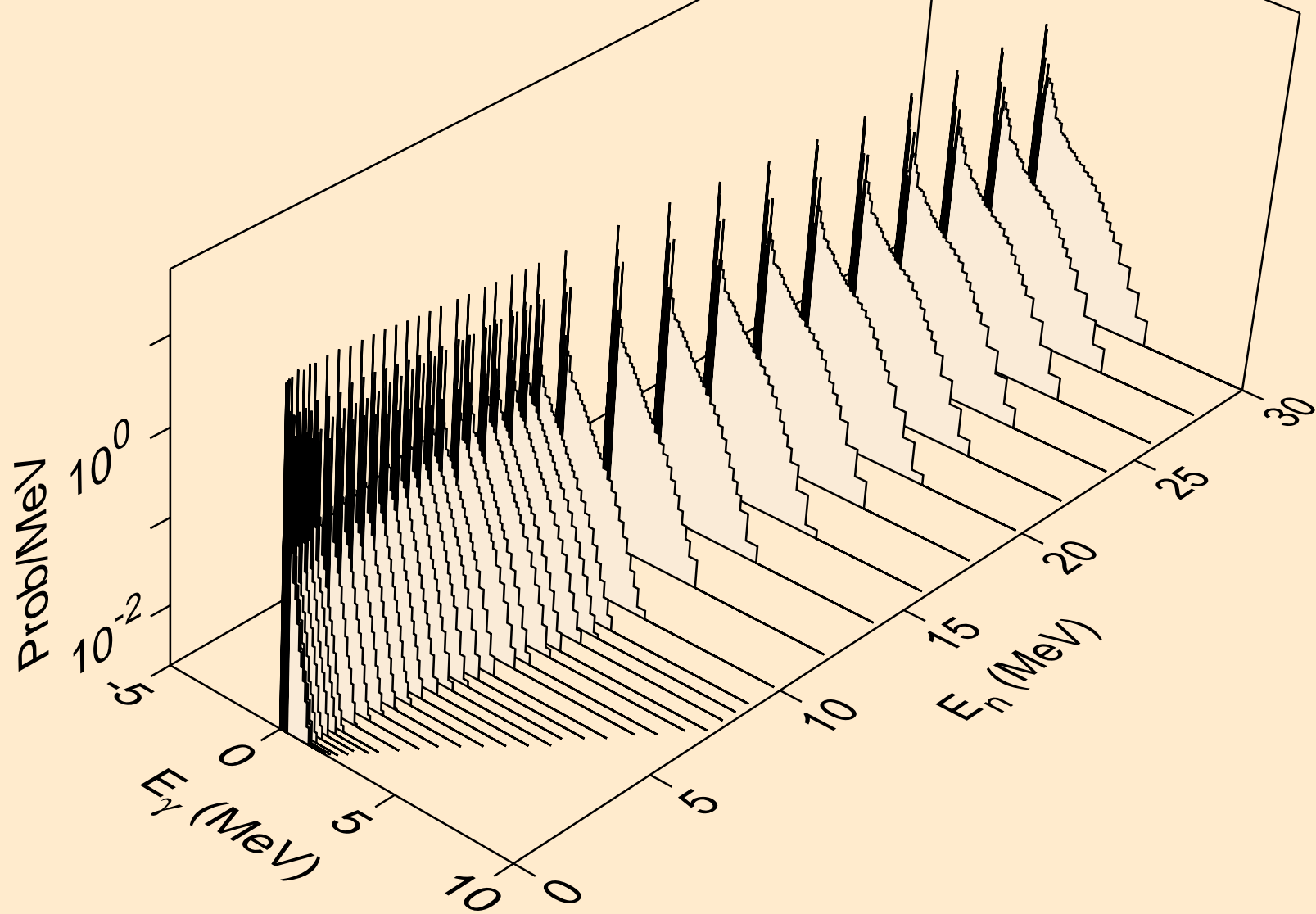
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Photon emission for (n,t)



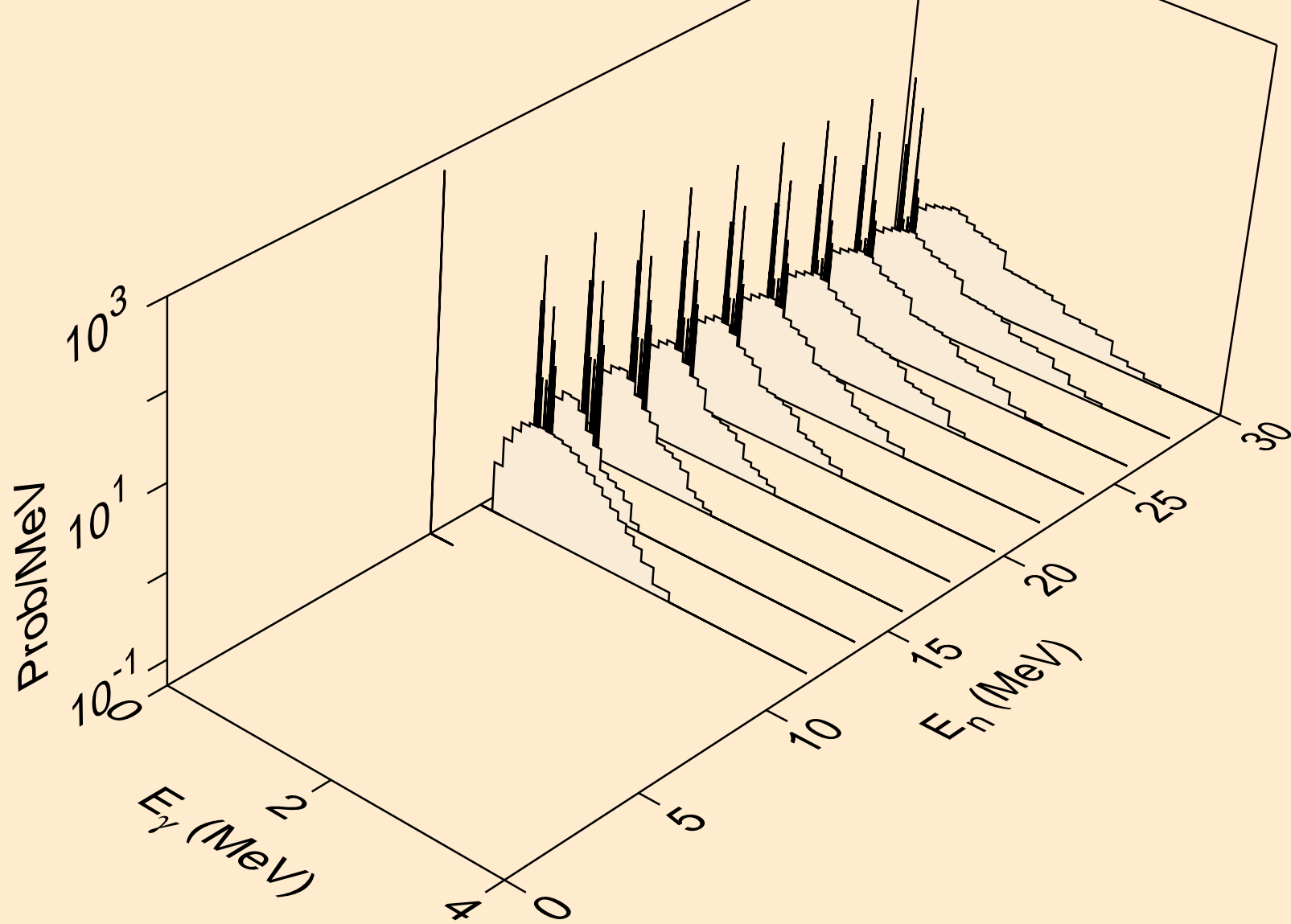
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Photon emission for (n,he3)



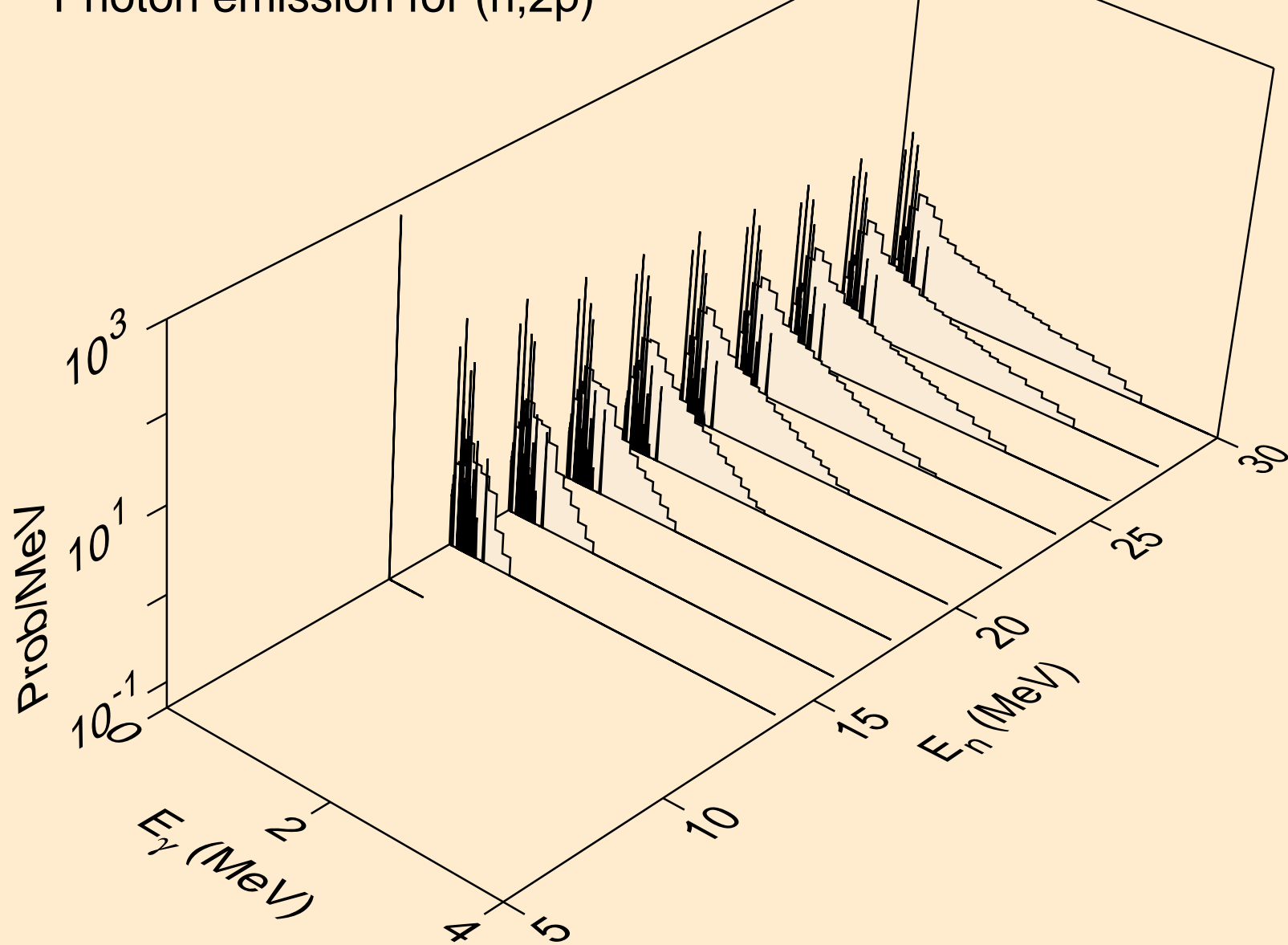
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Photon emission for (n,a)



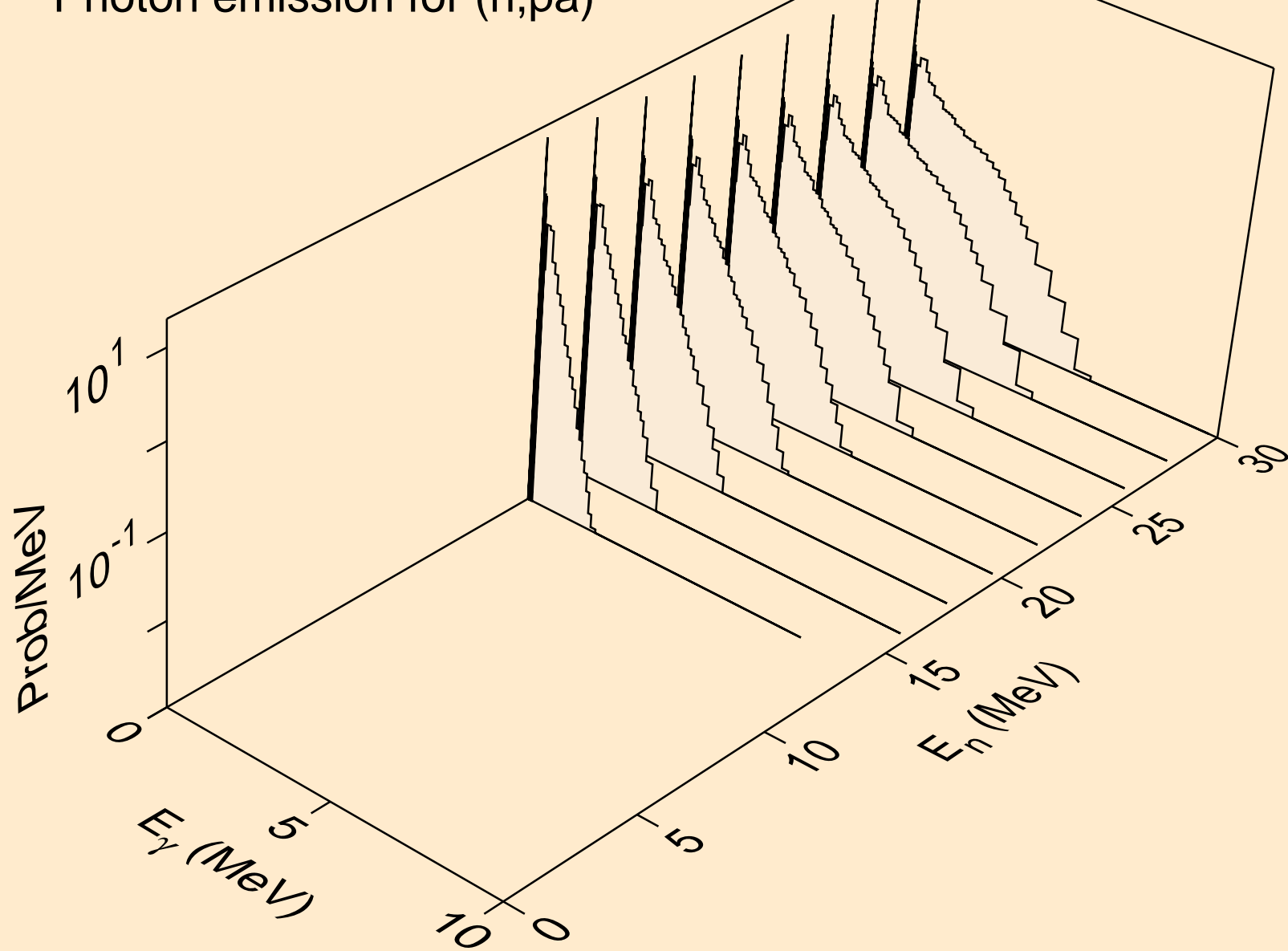
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Photon emission for (n,2a)



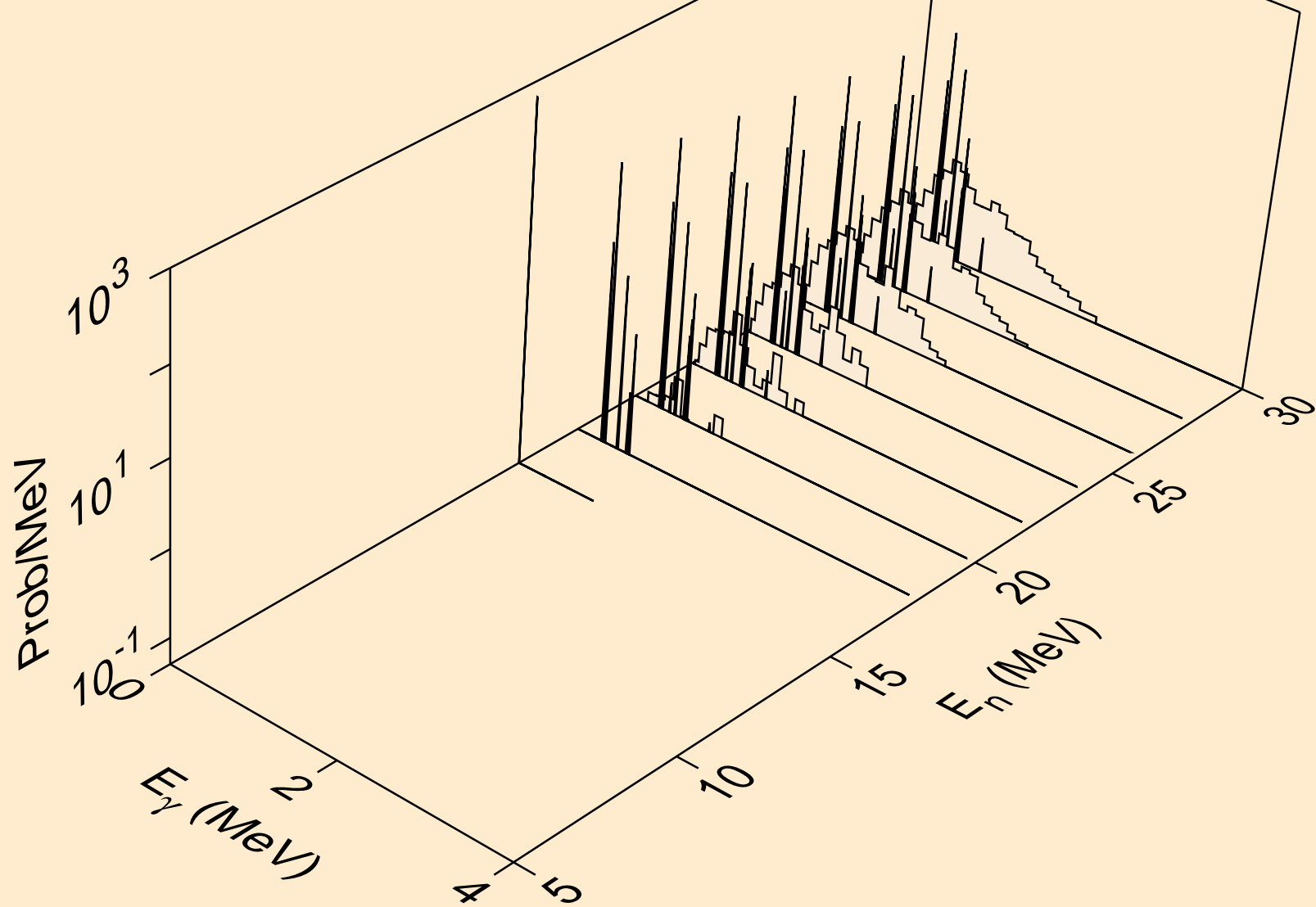
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )

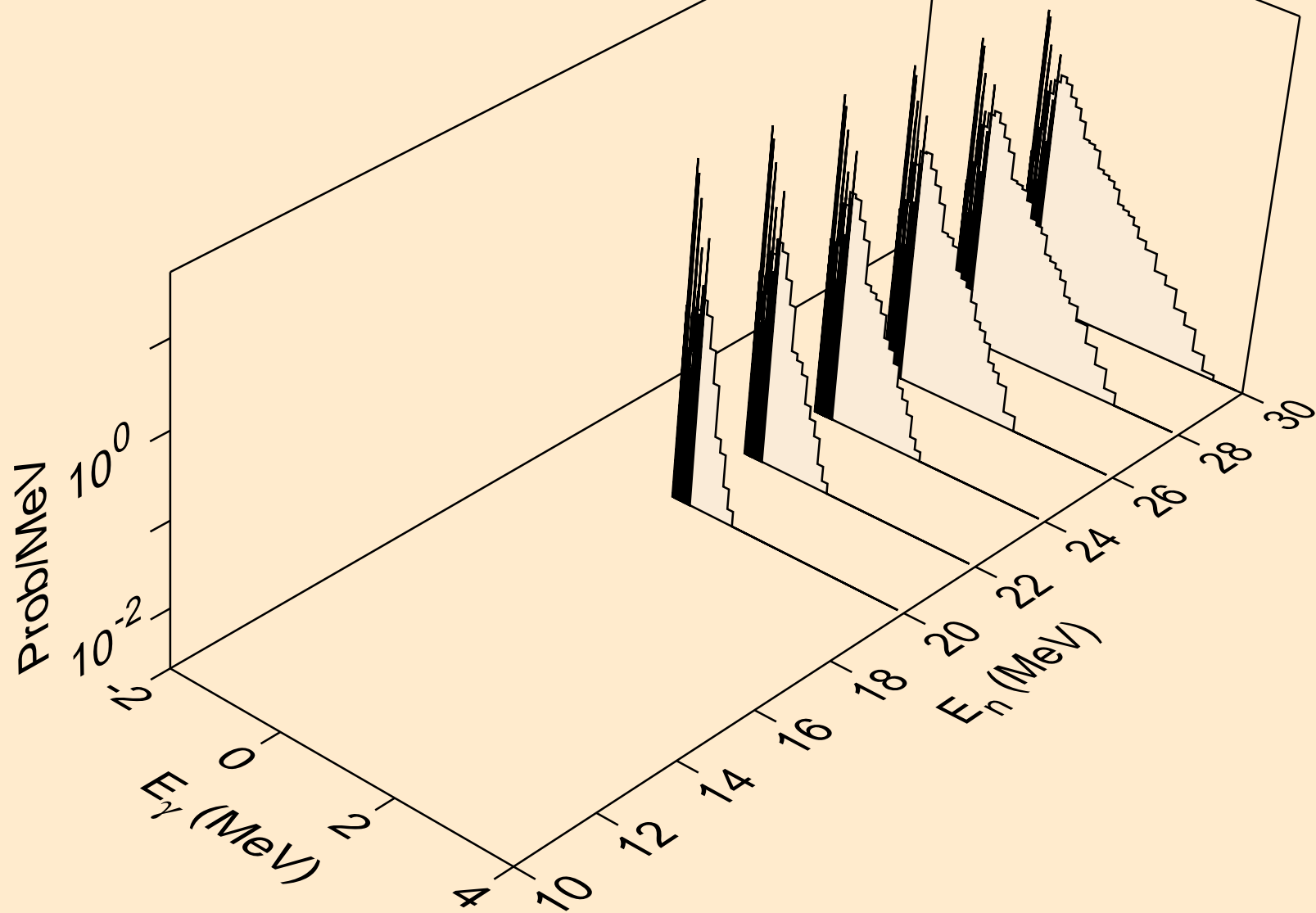


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Photon emission for (n,pd)

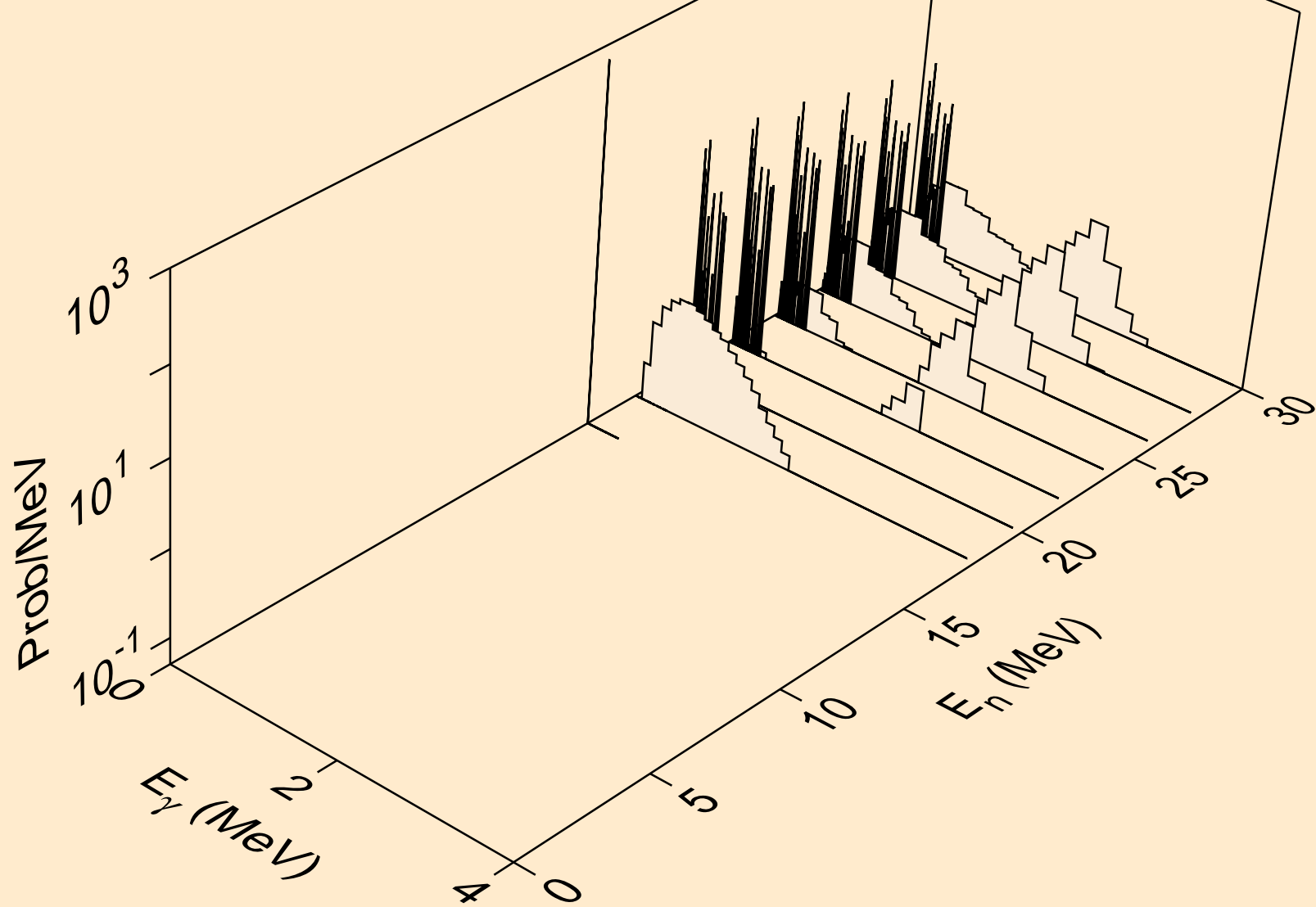




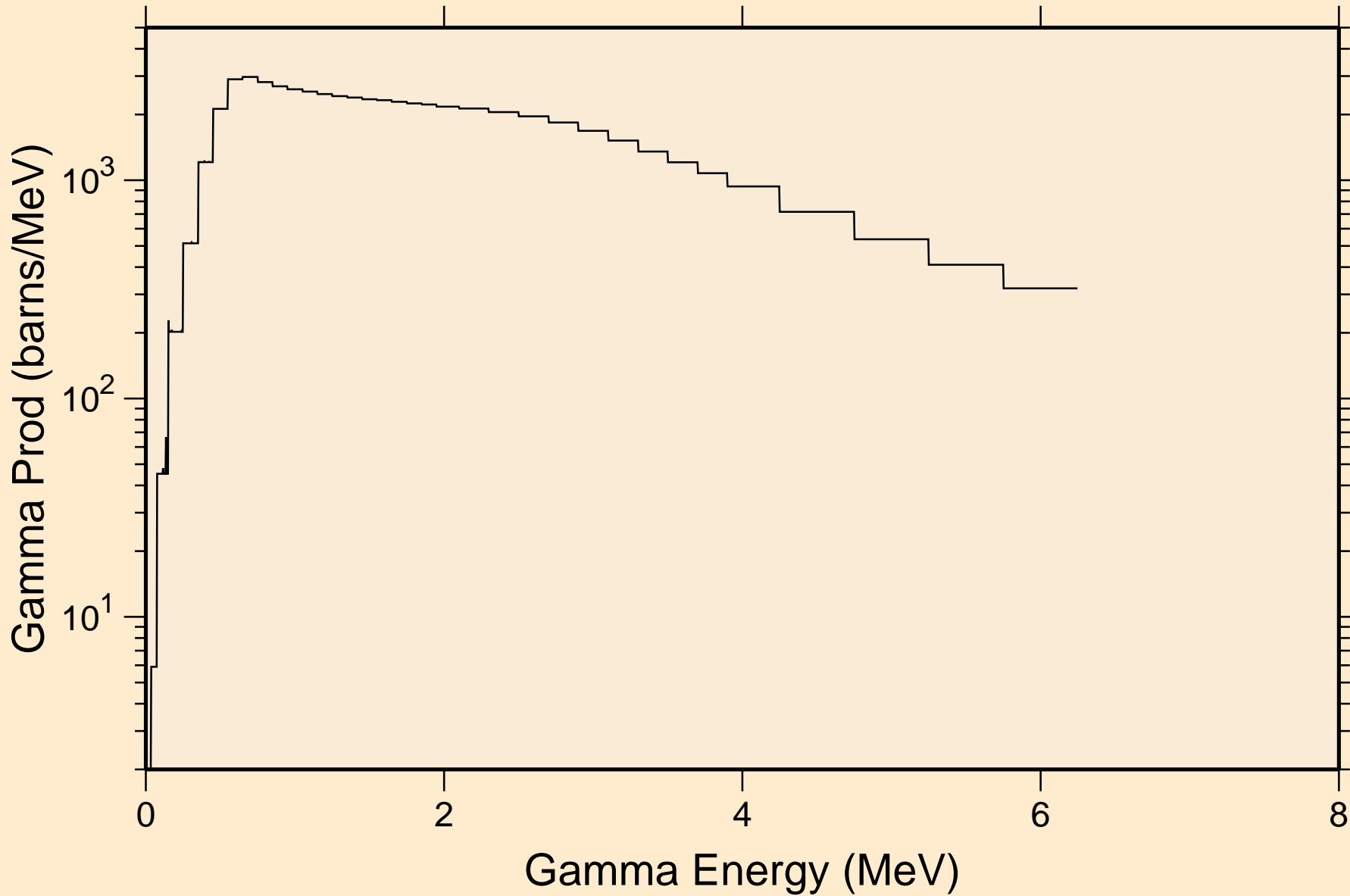
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



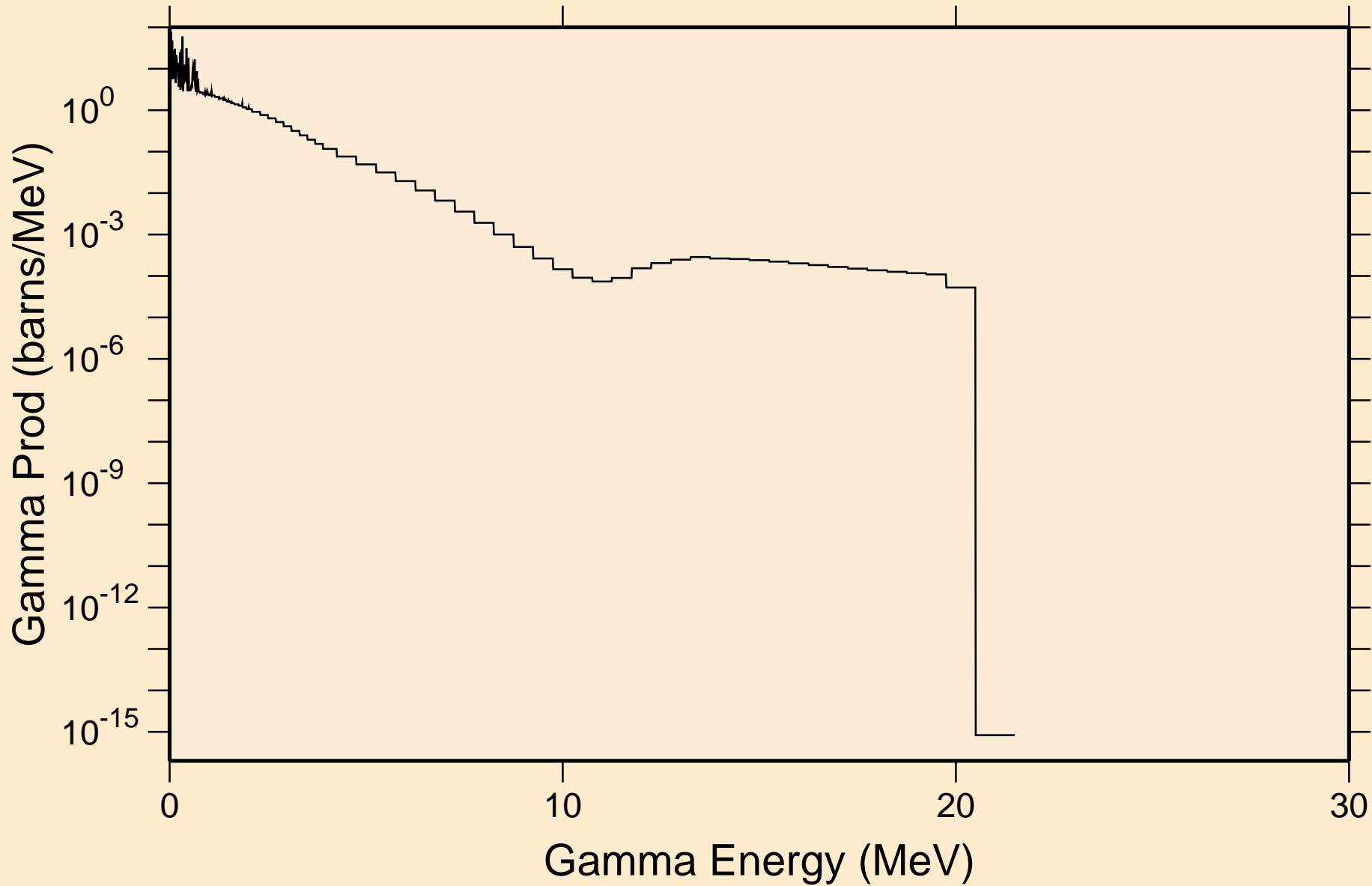
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

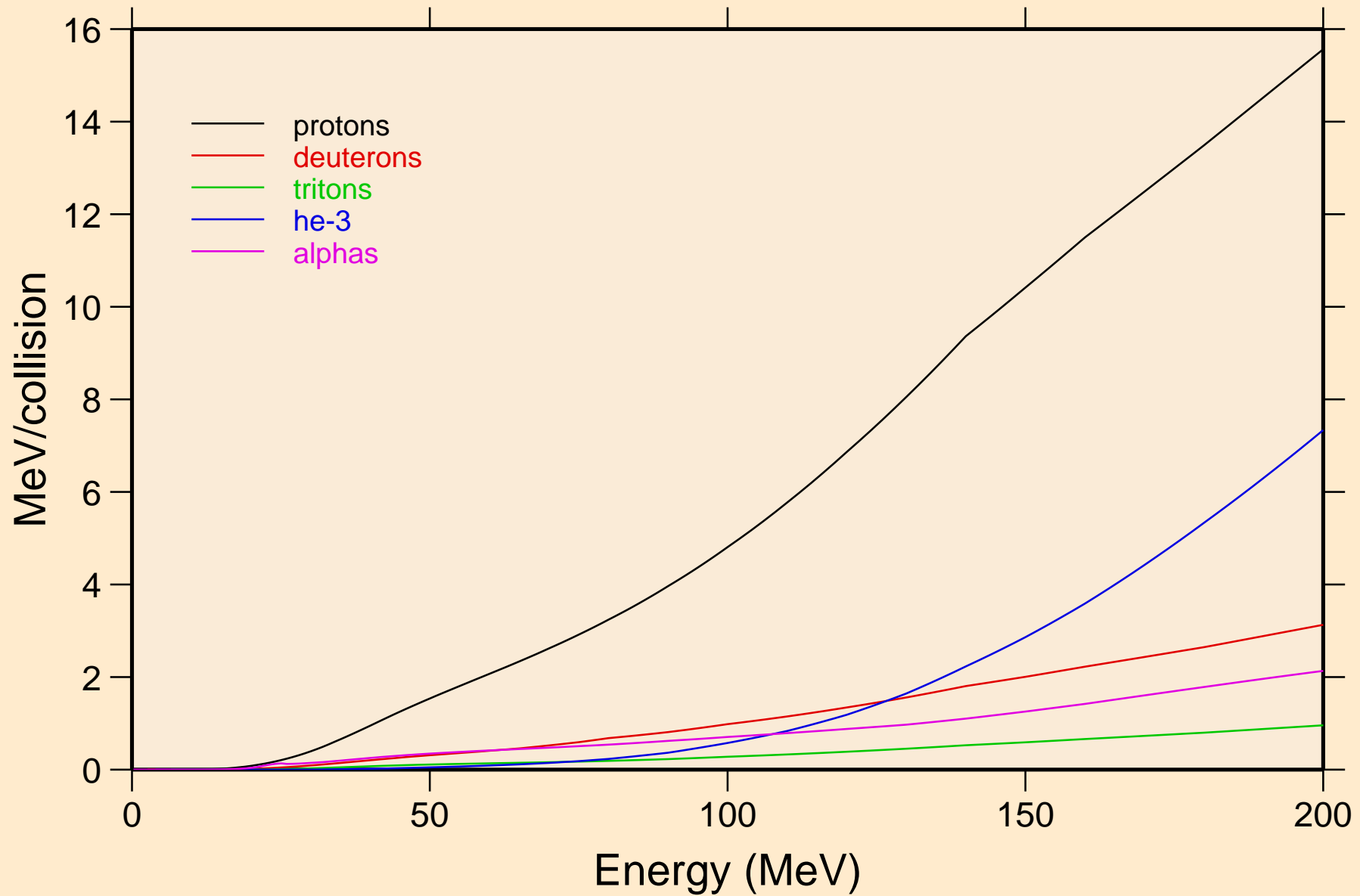


HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

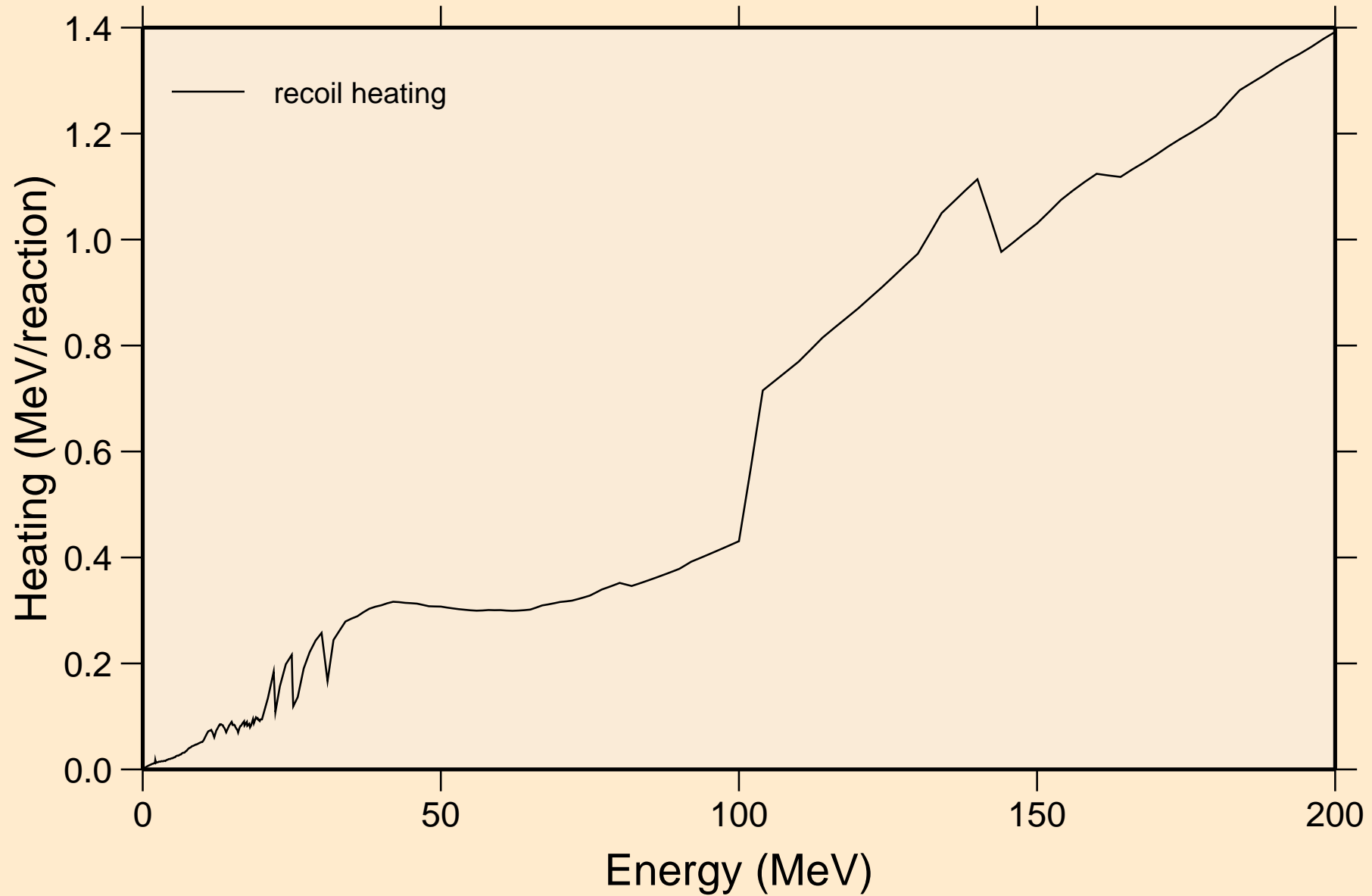


# HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

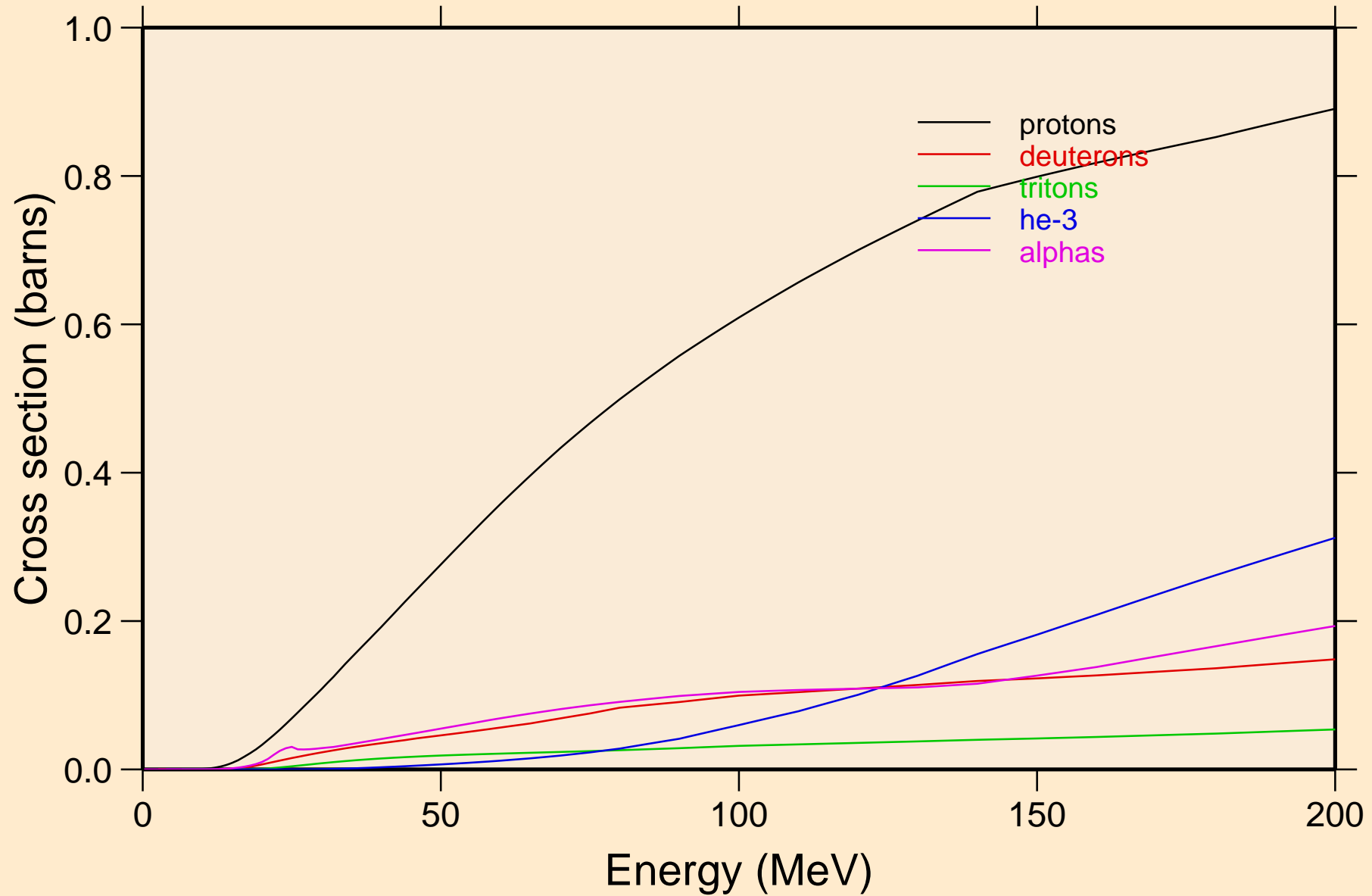


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Recoil Heating

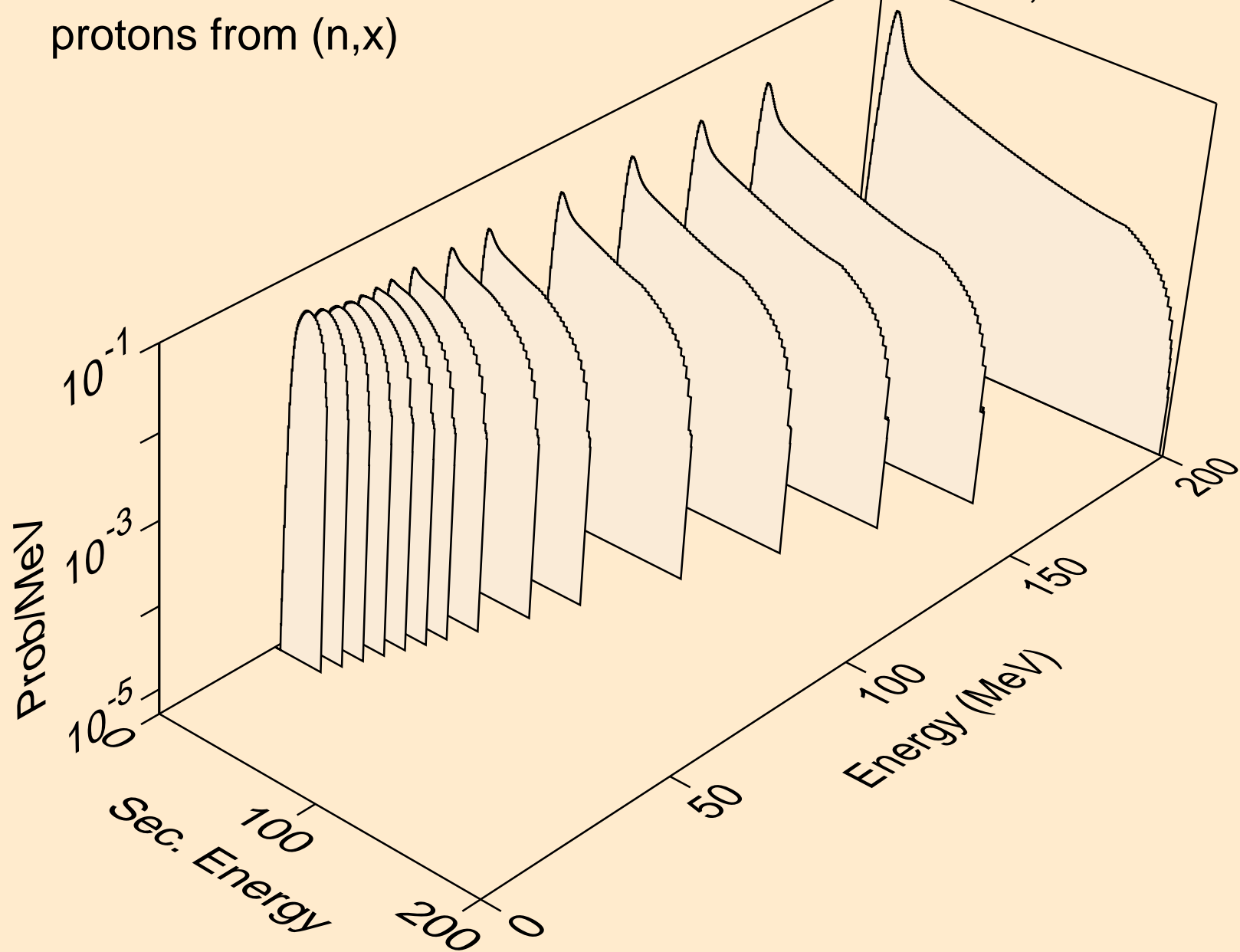


# HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle production cross sections

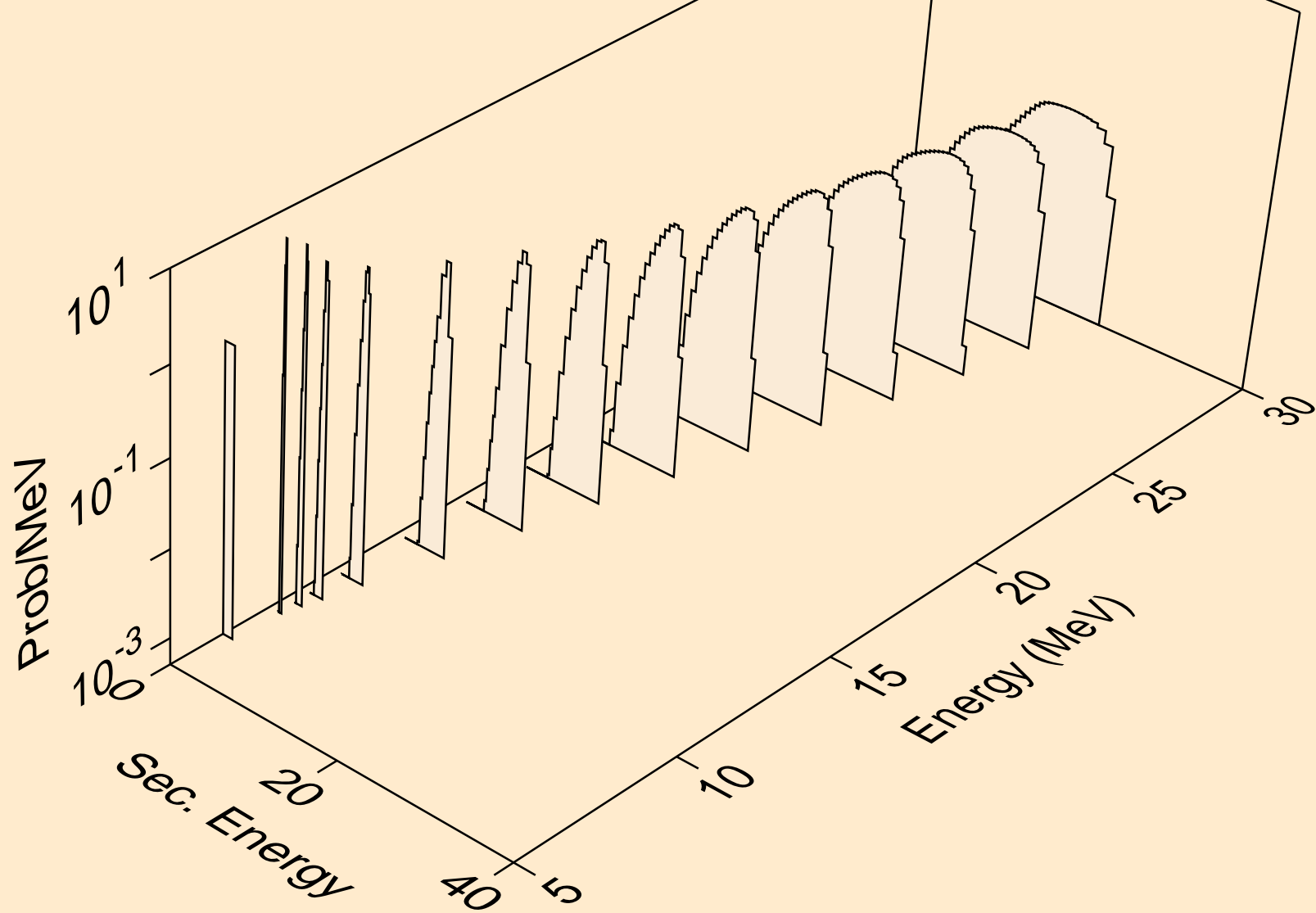


HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)

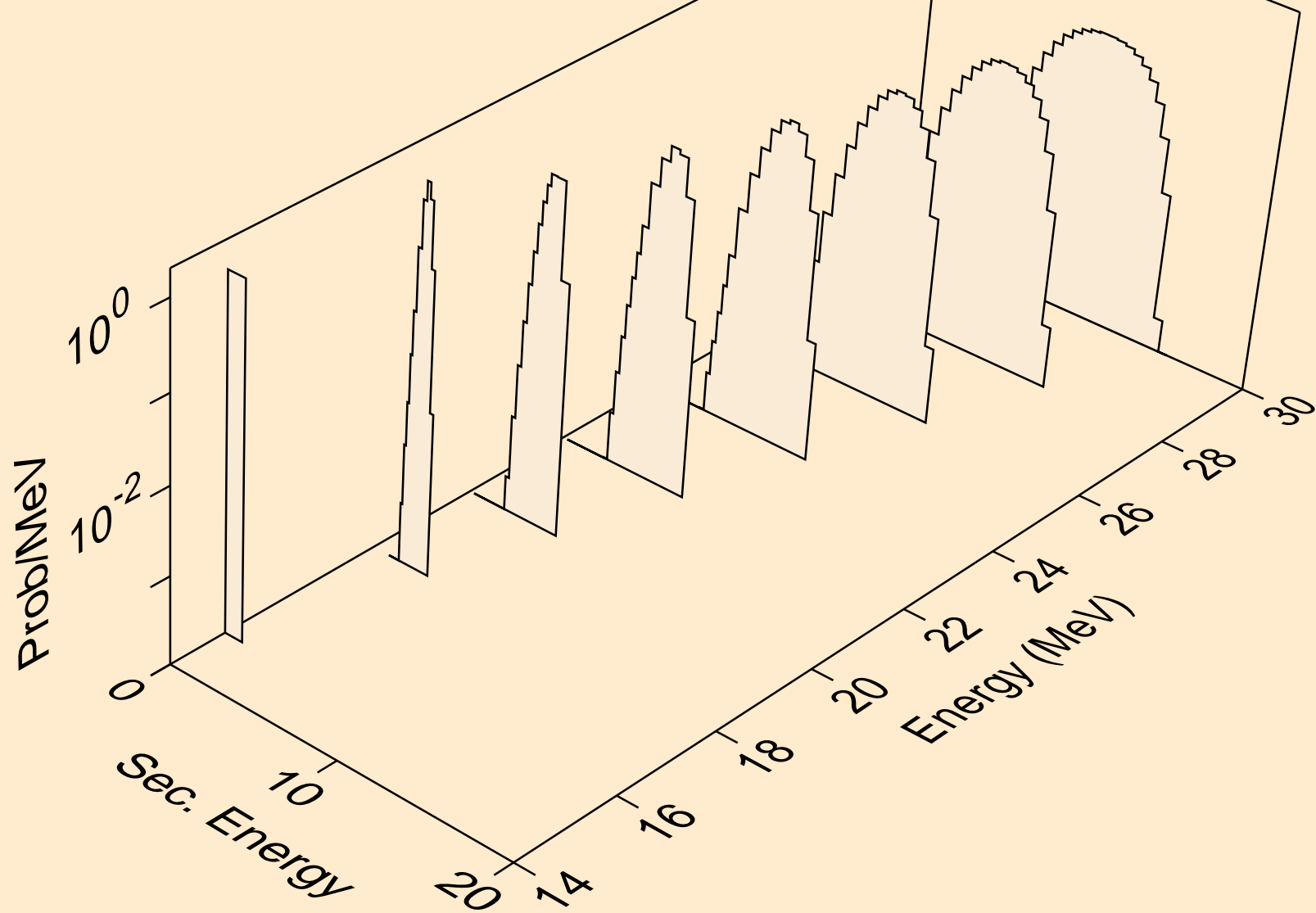




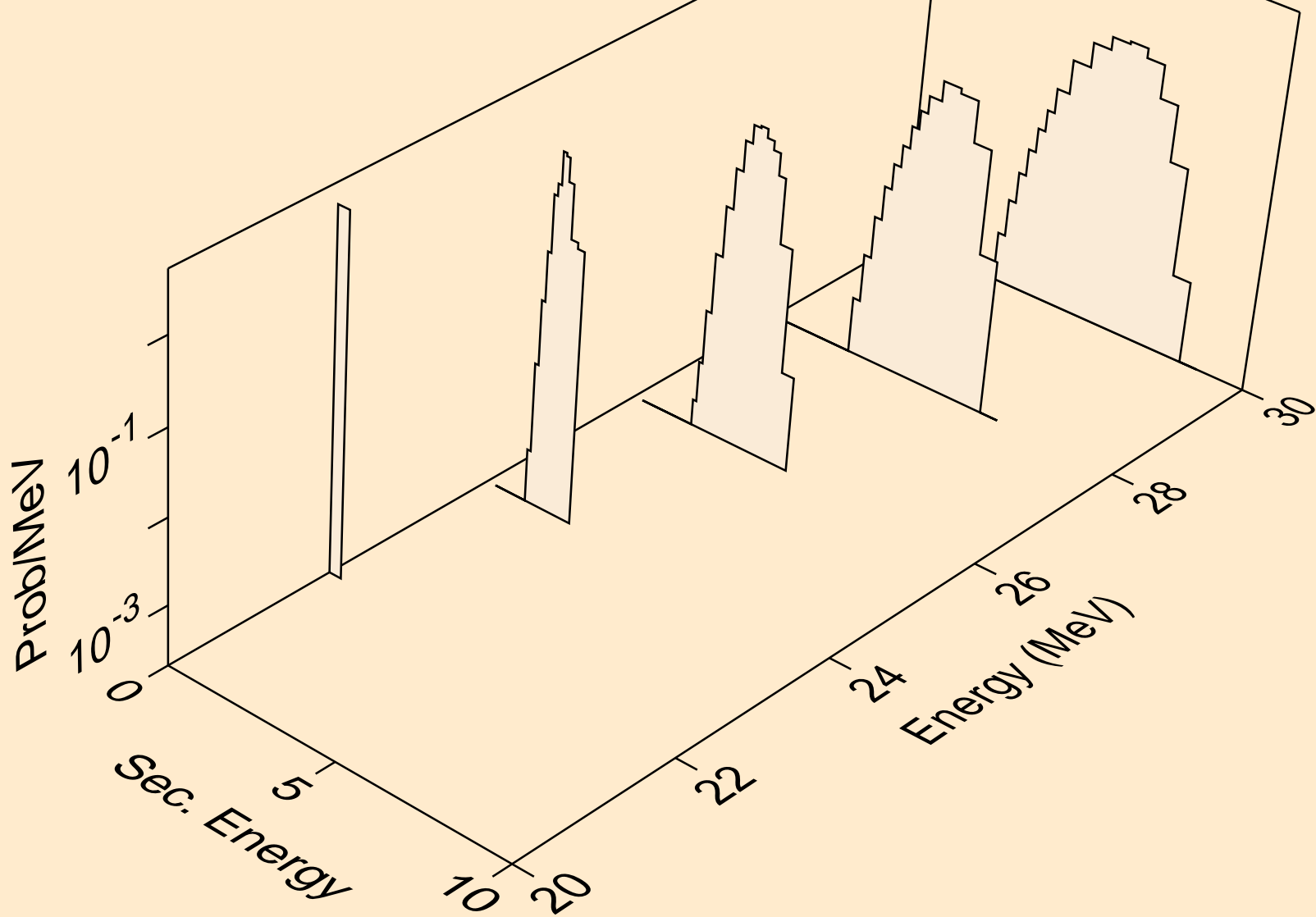
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



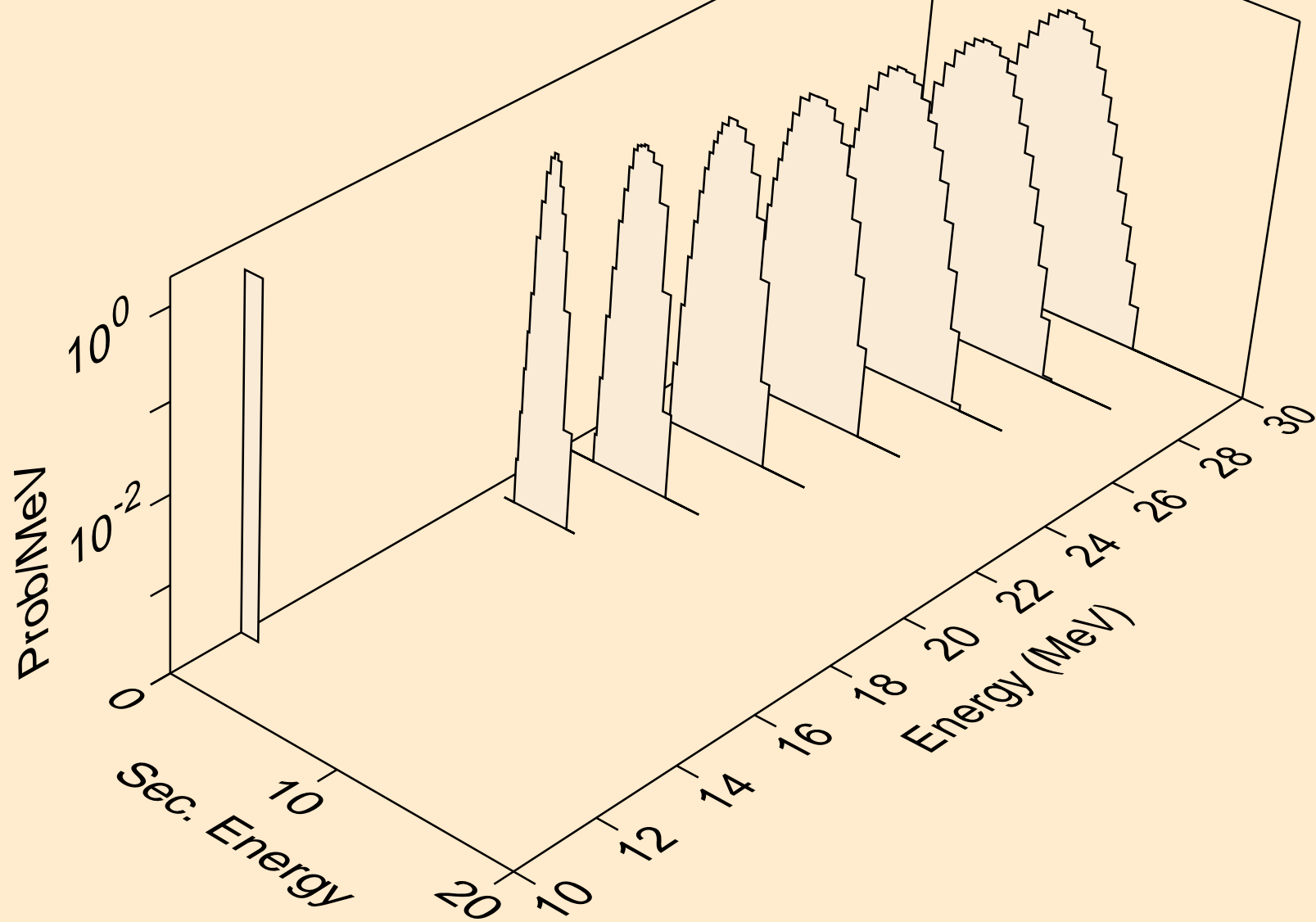
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protons from (n,2np)



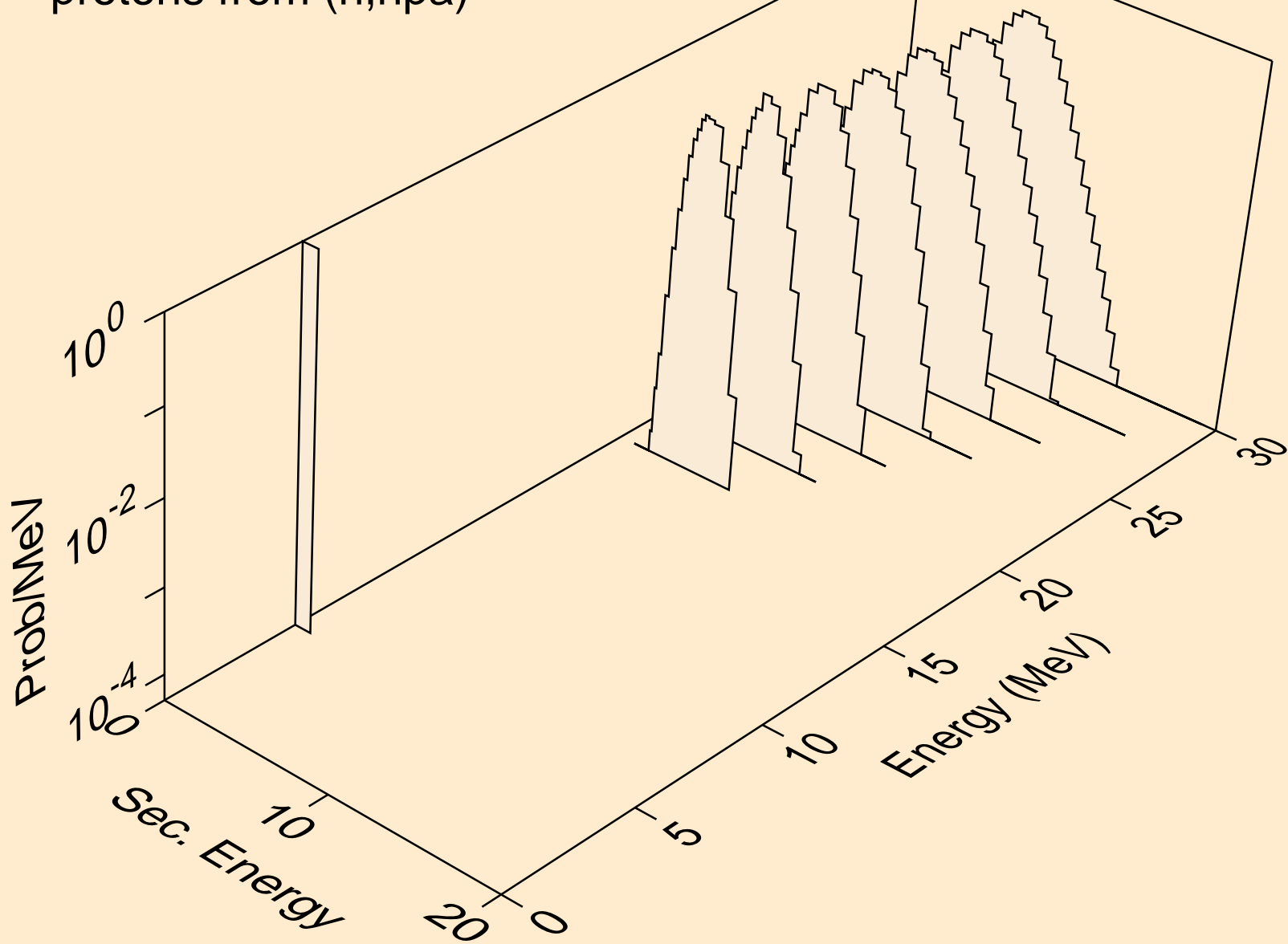
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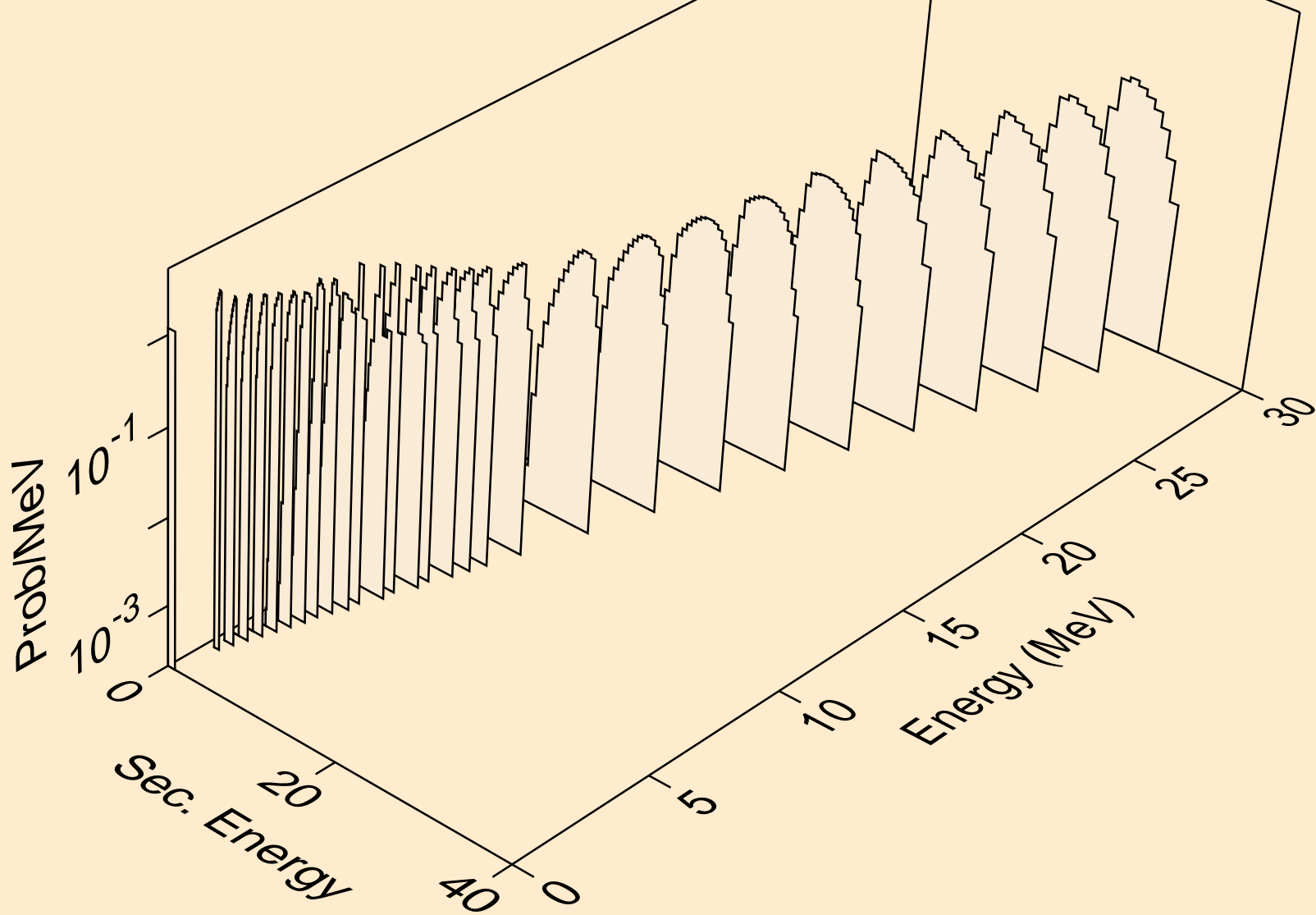
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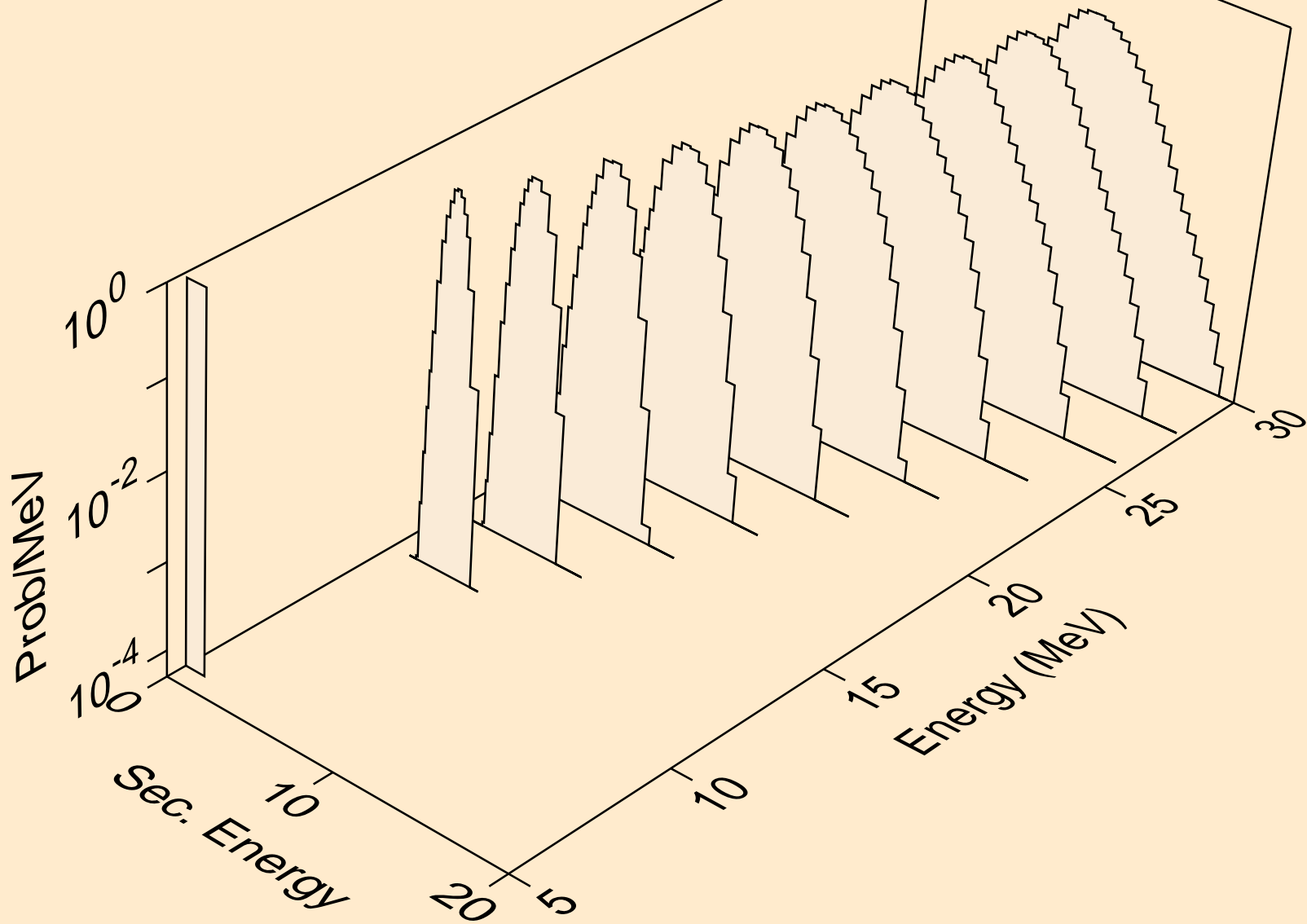
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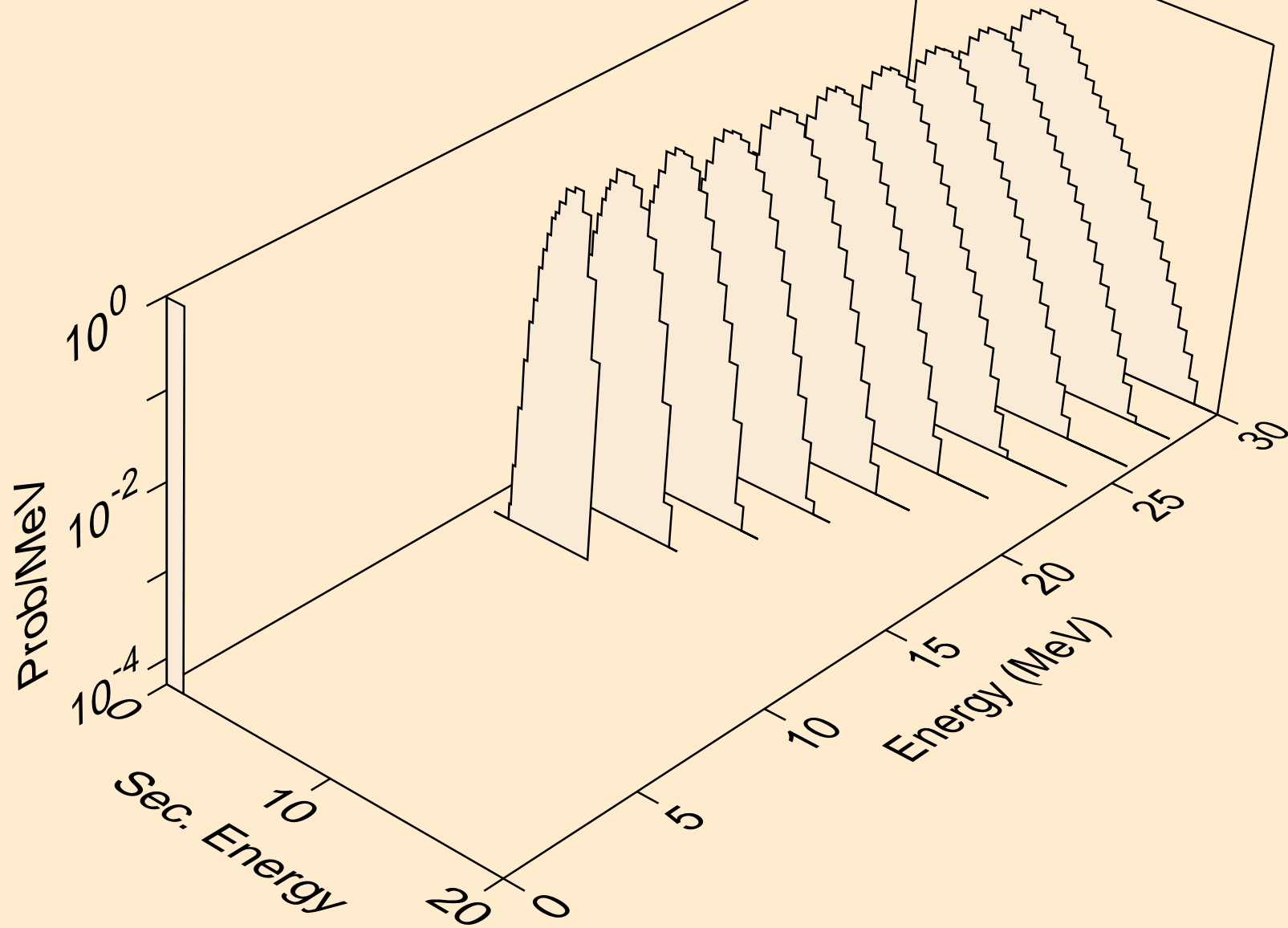
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protons from (n,p)



HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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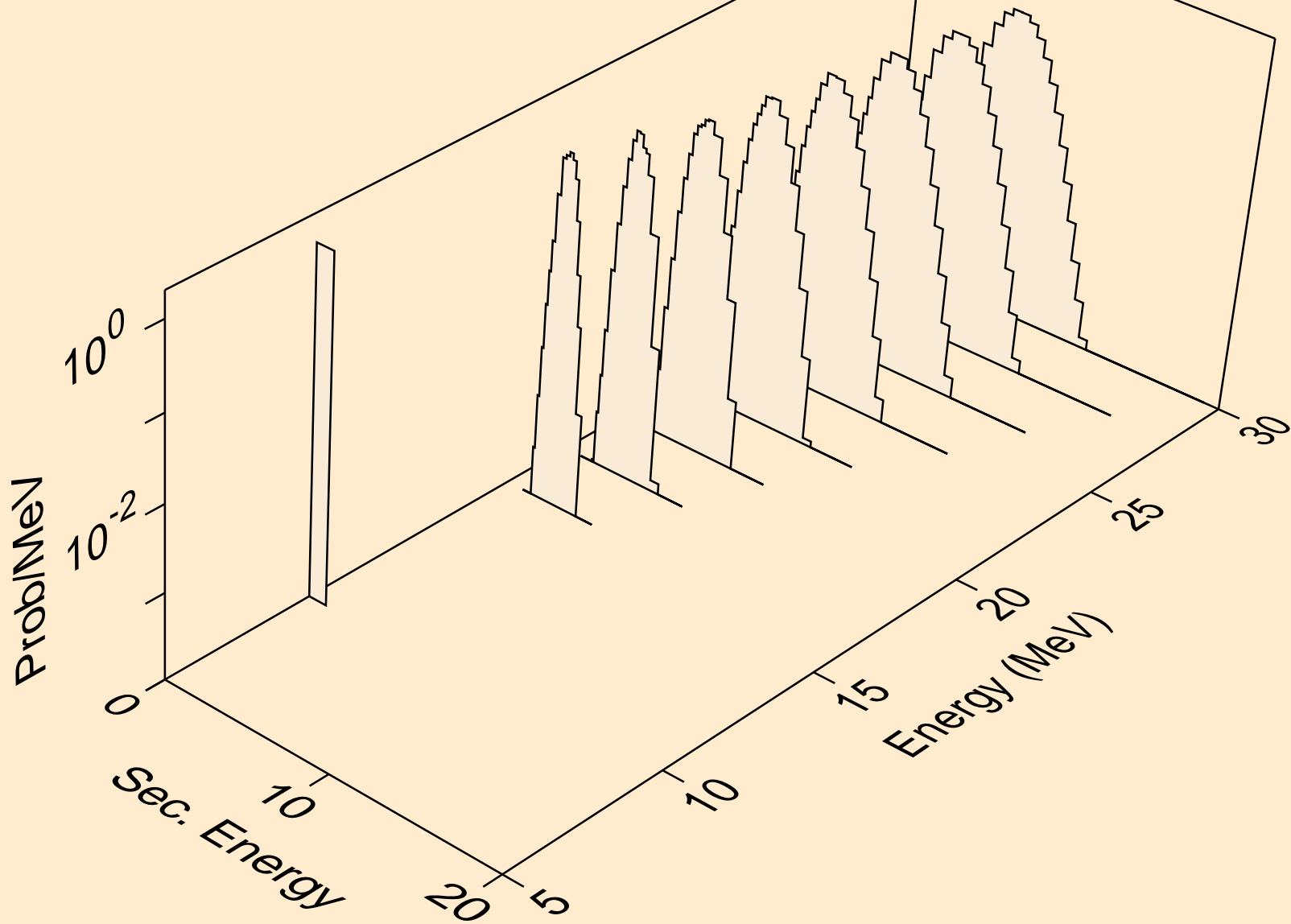


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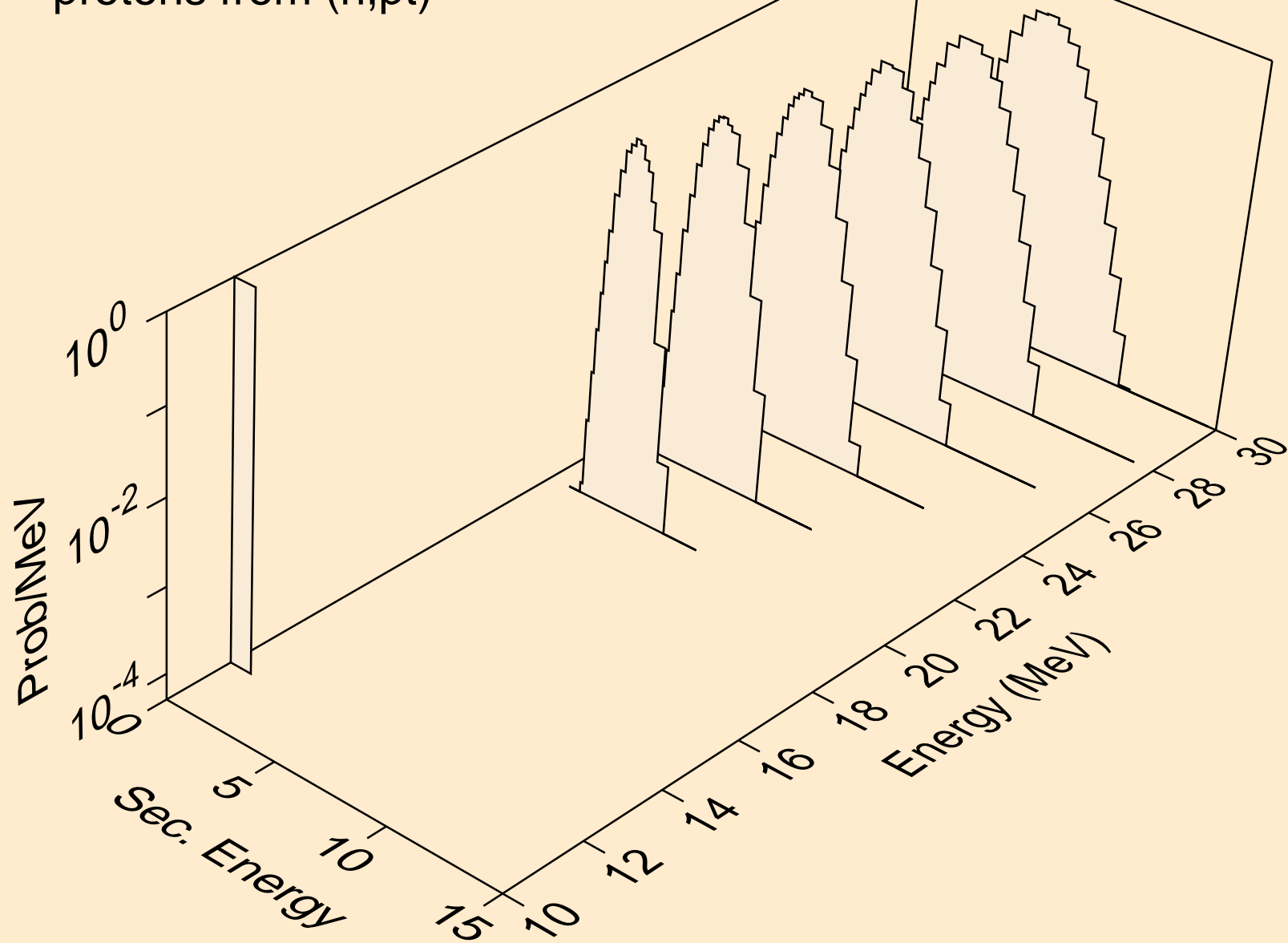




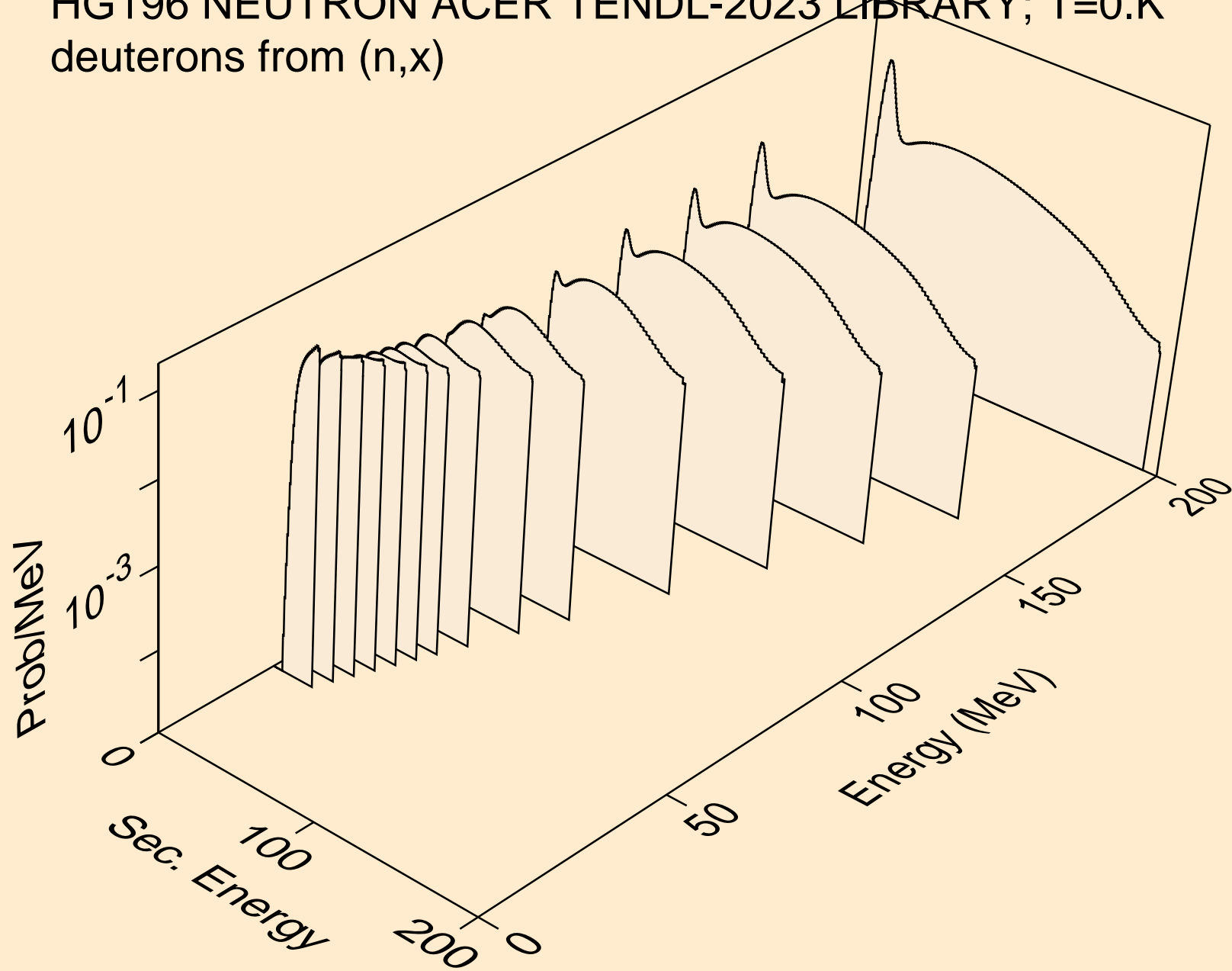
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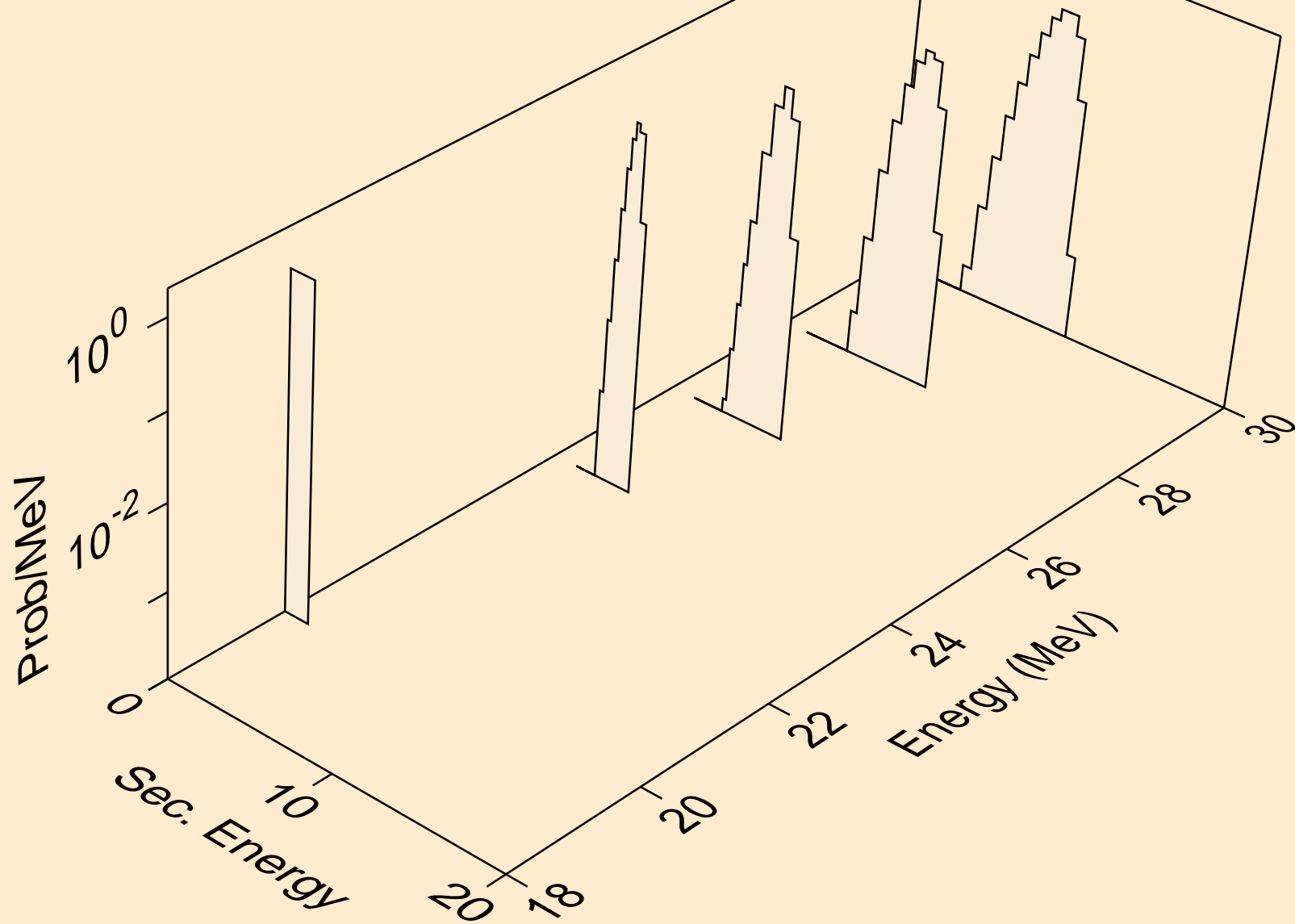
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protons from (n,pt)



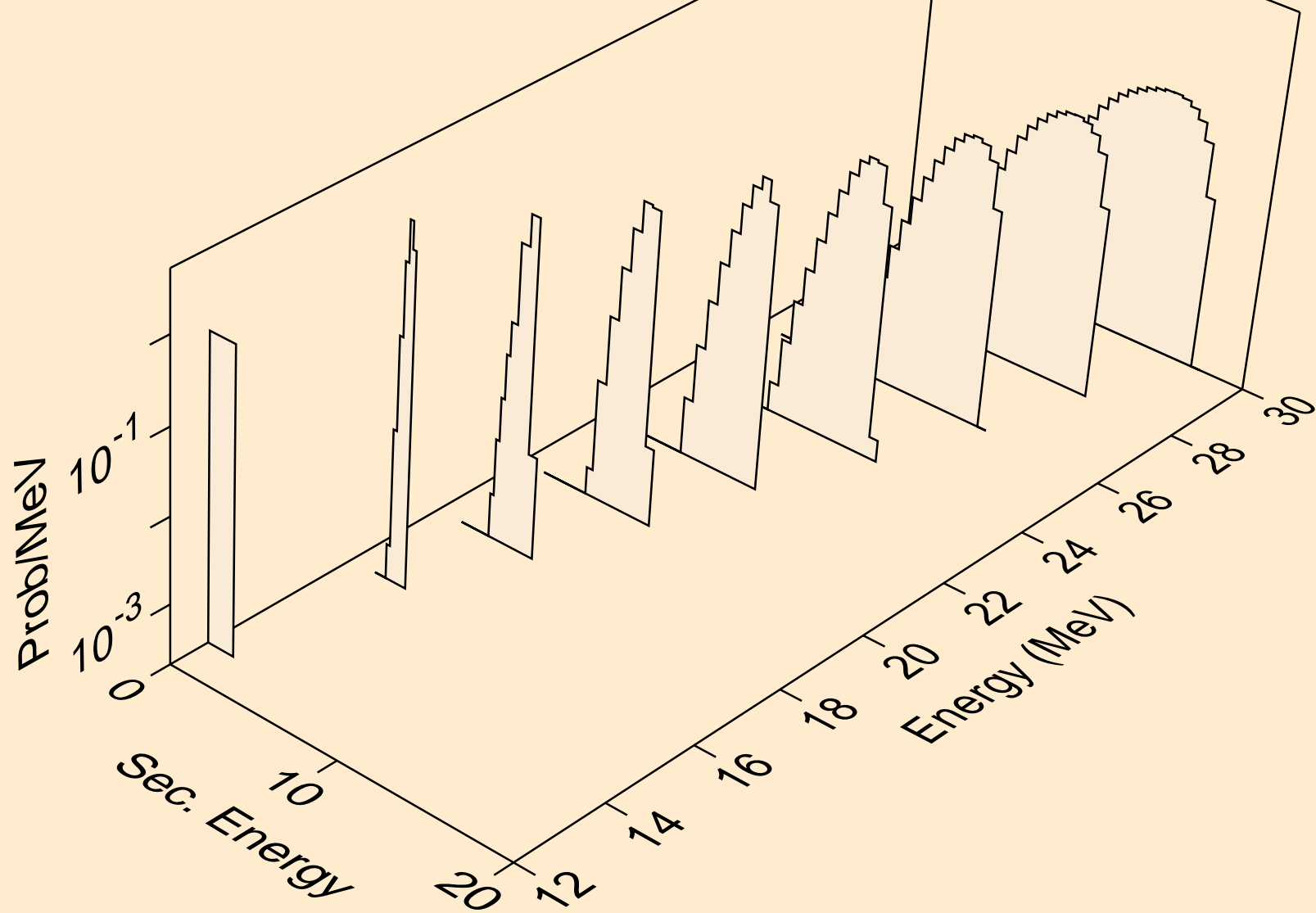
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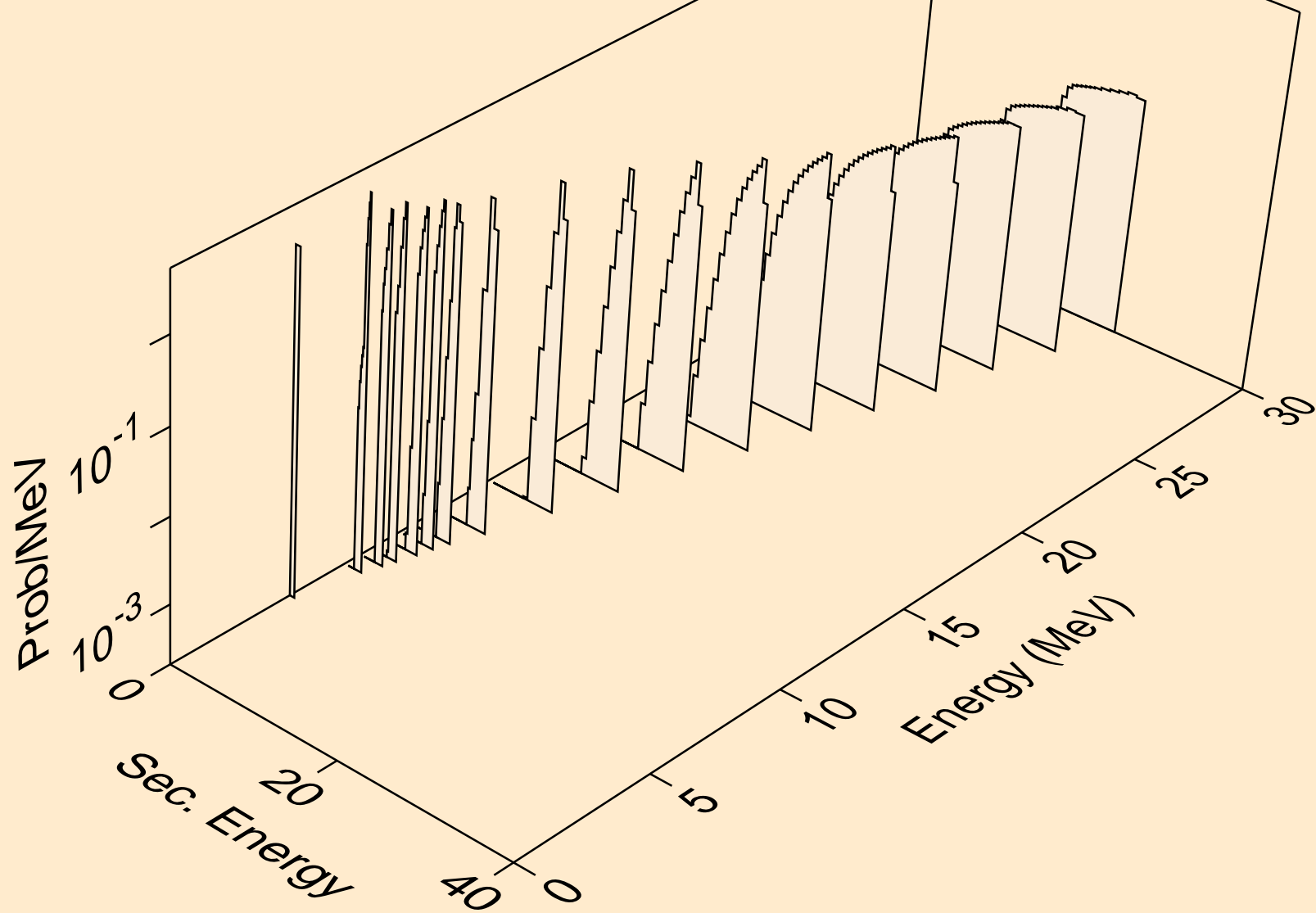
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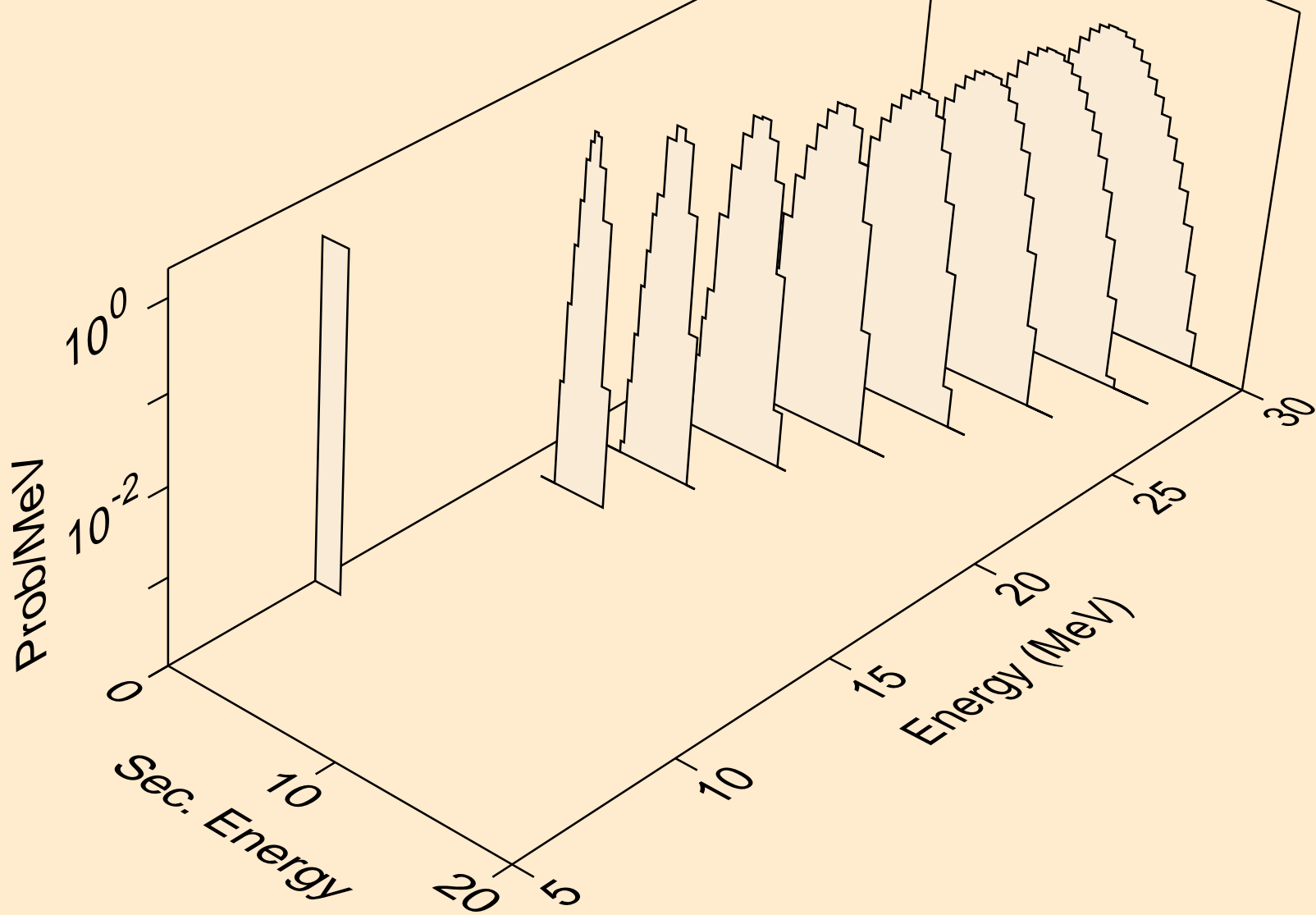
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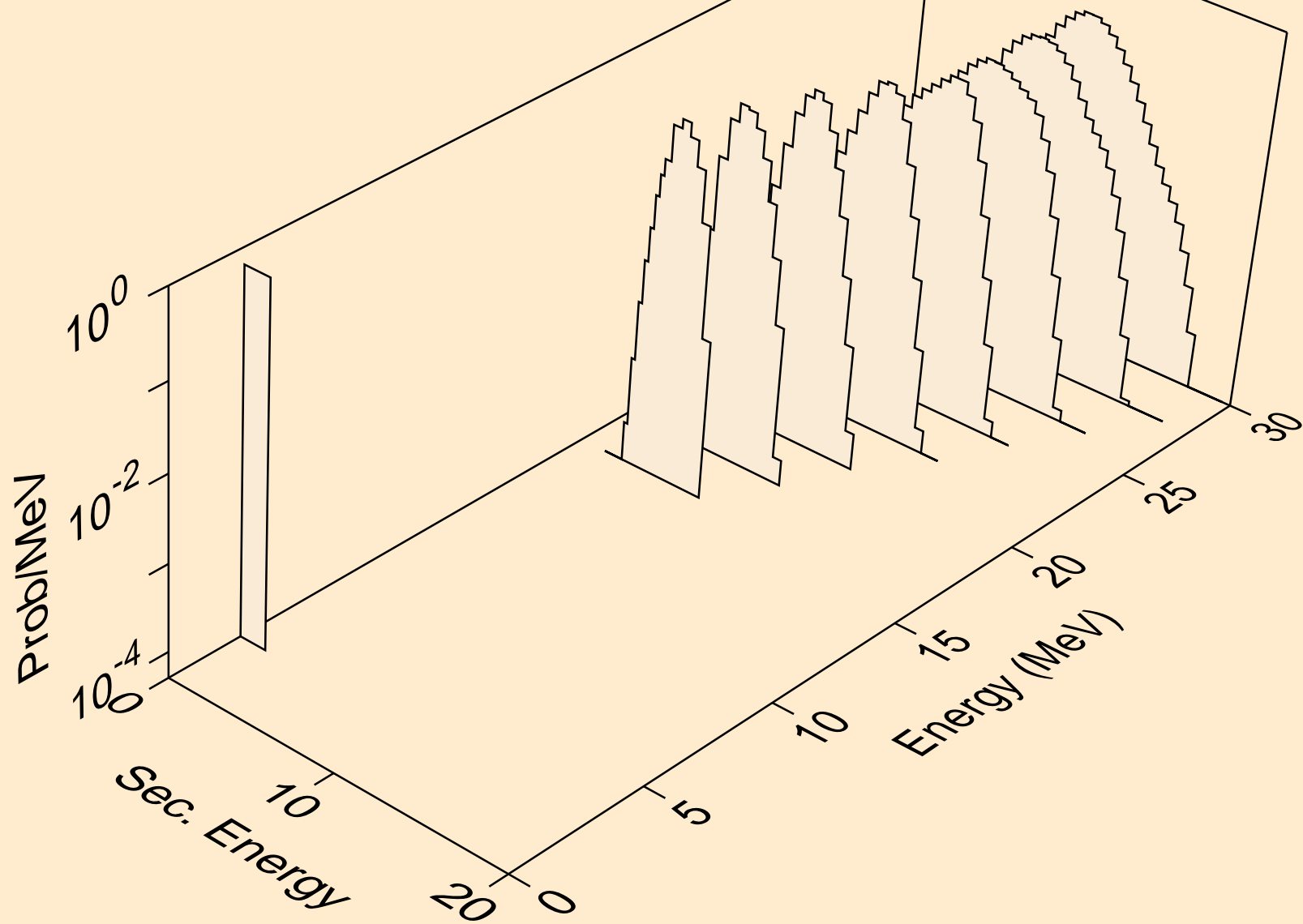
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HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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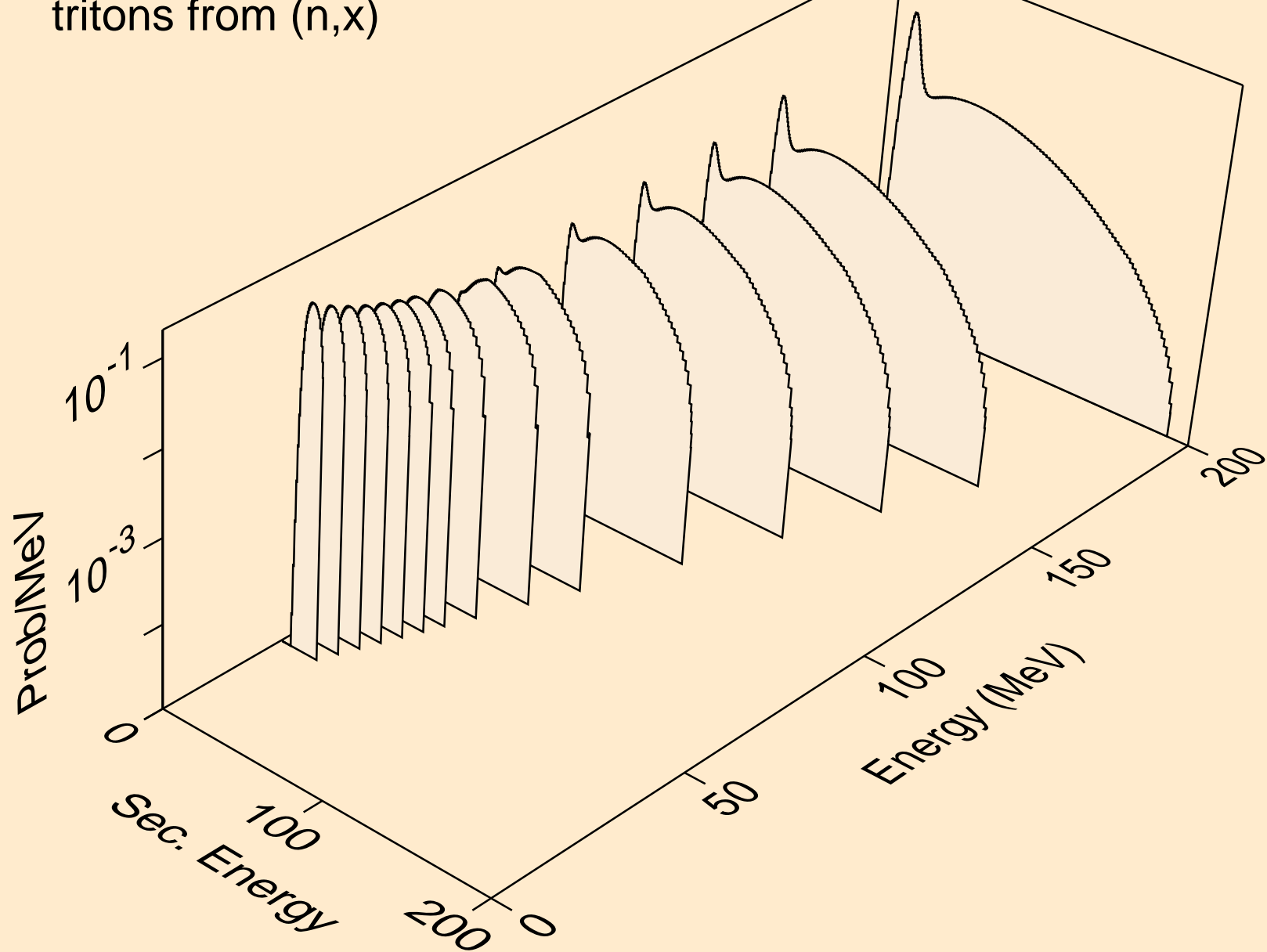


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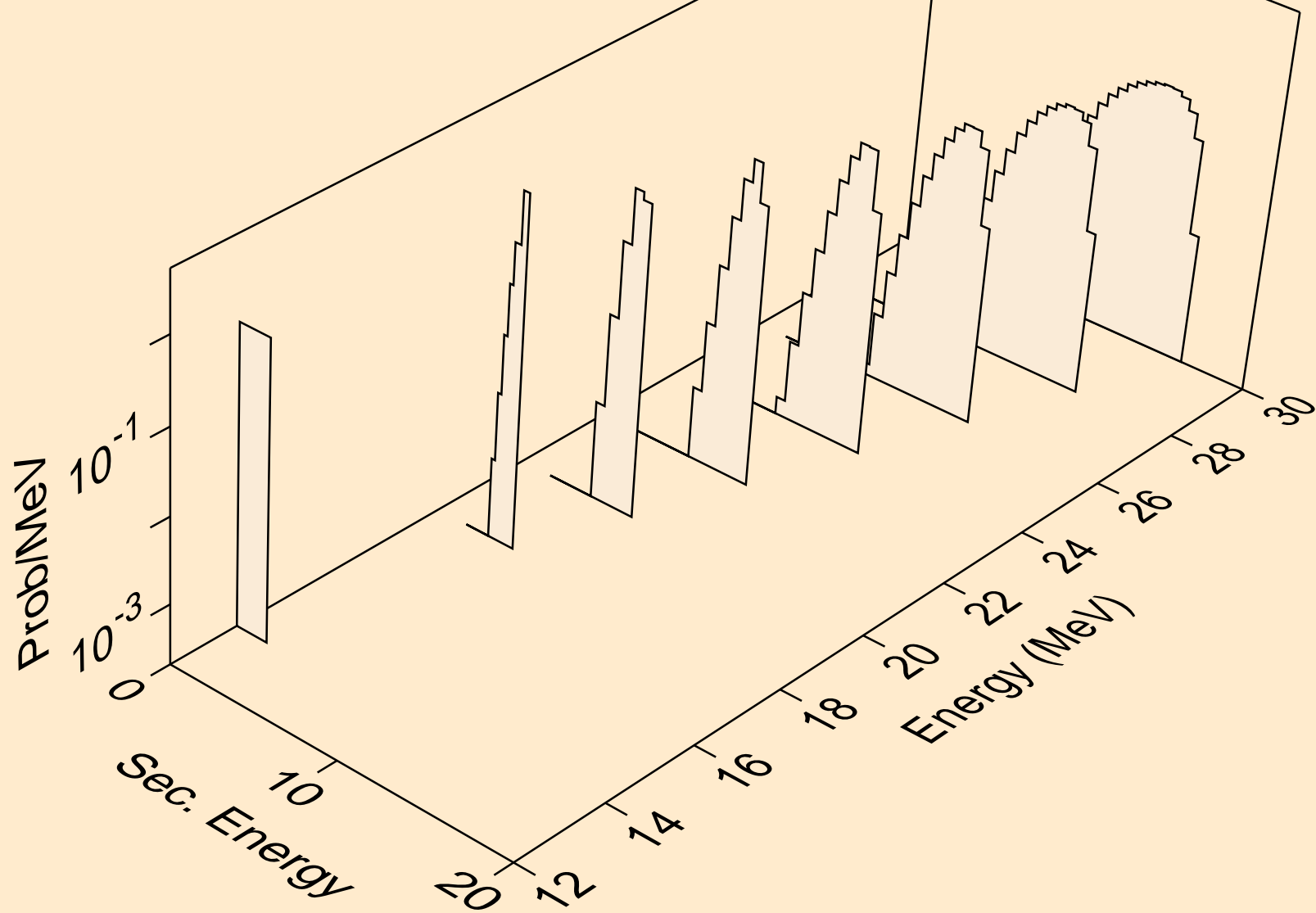




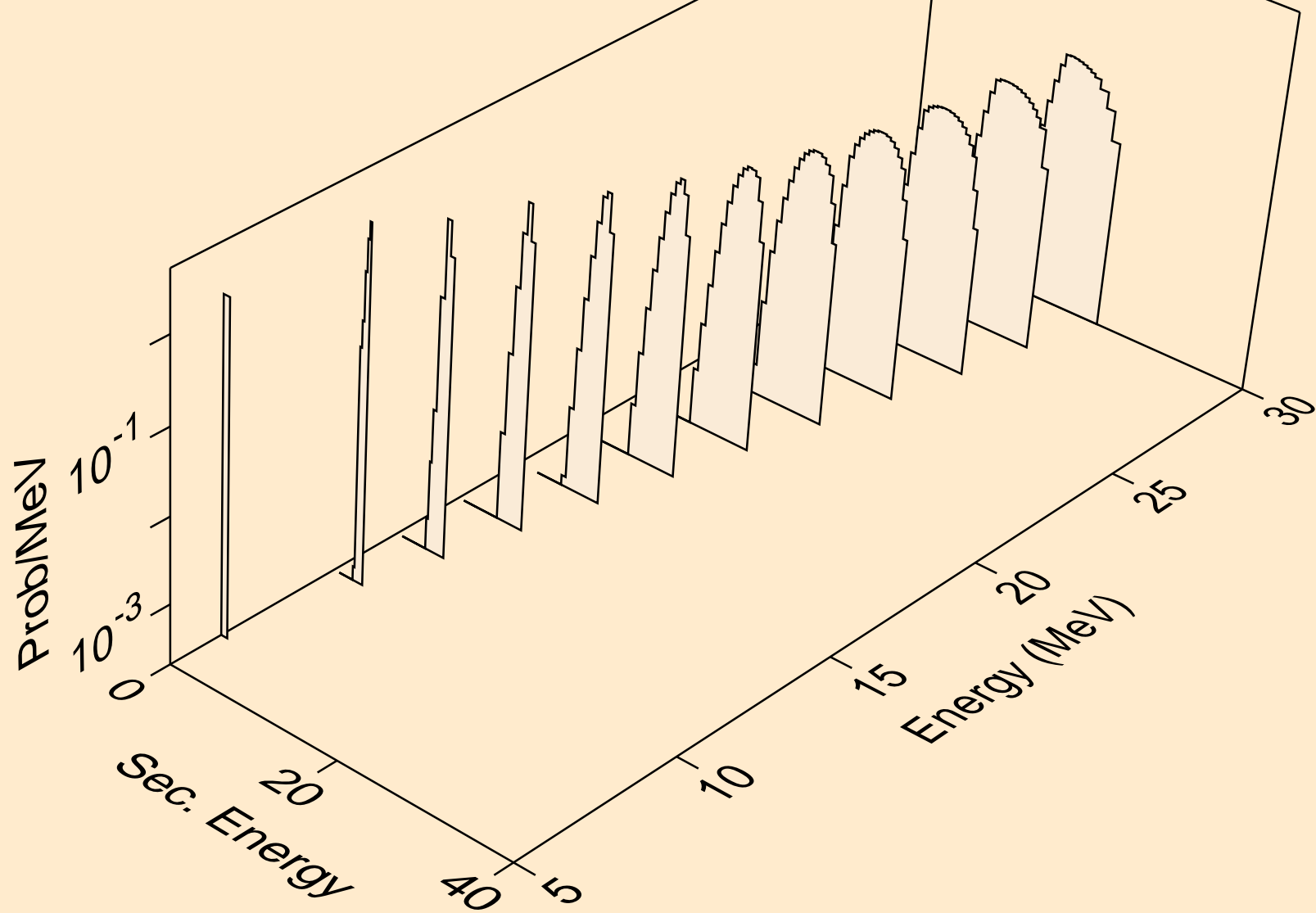
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tritons from (n,x)



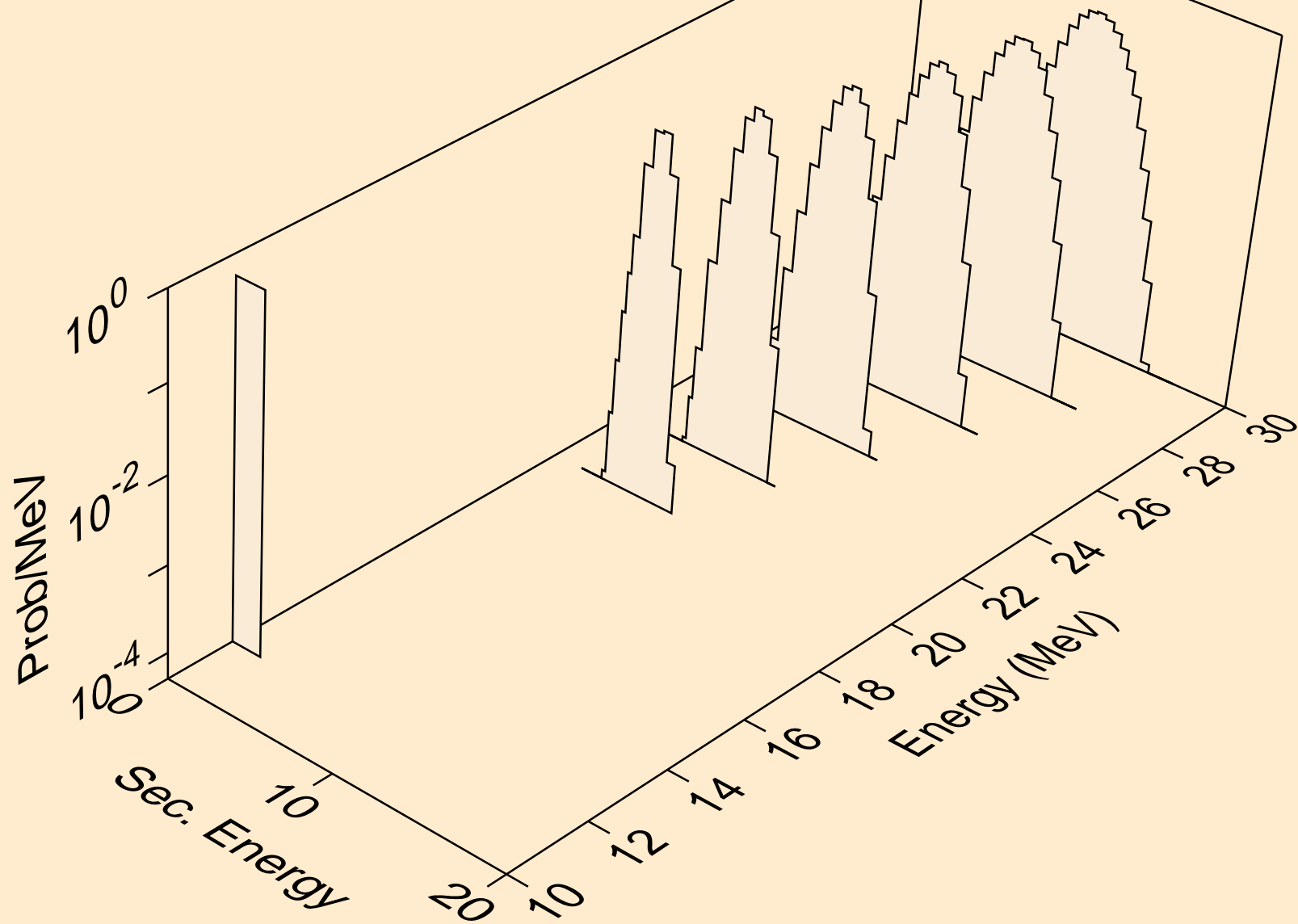
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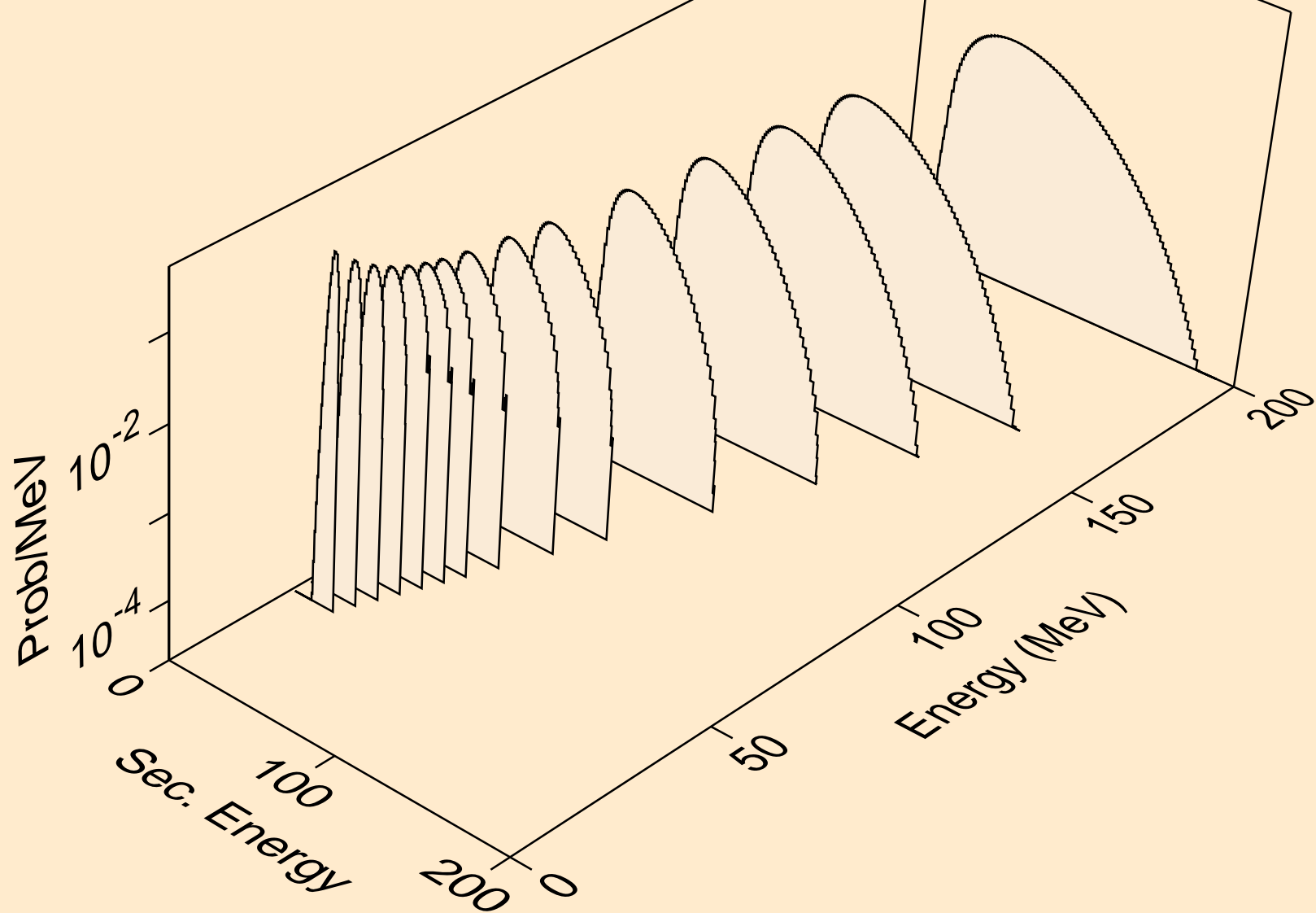
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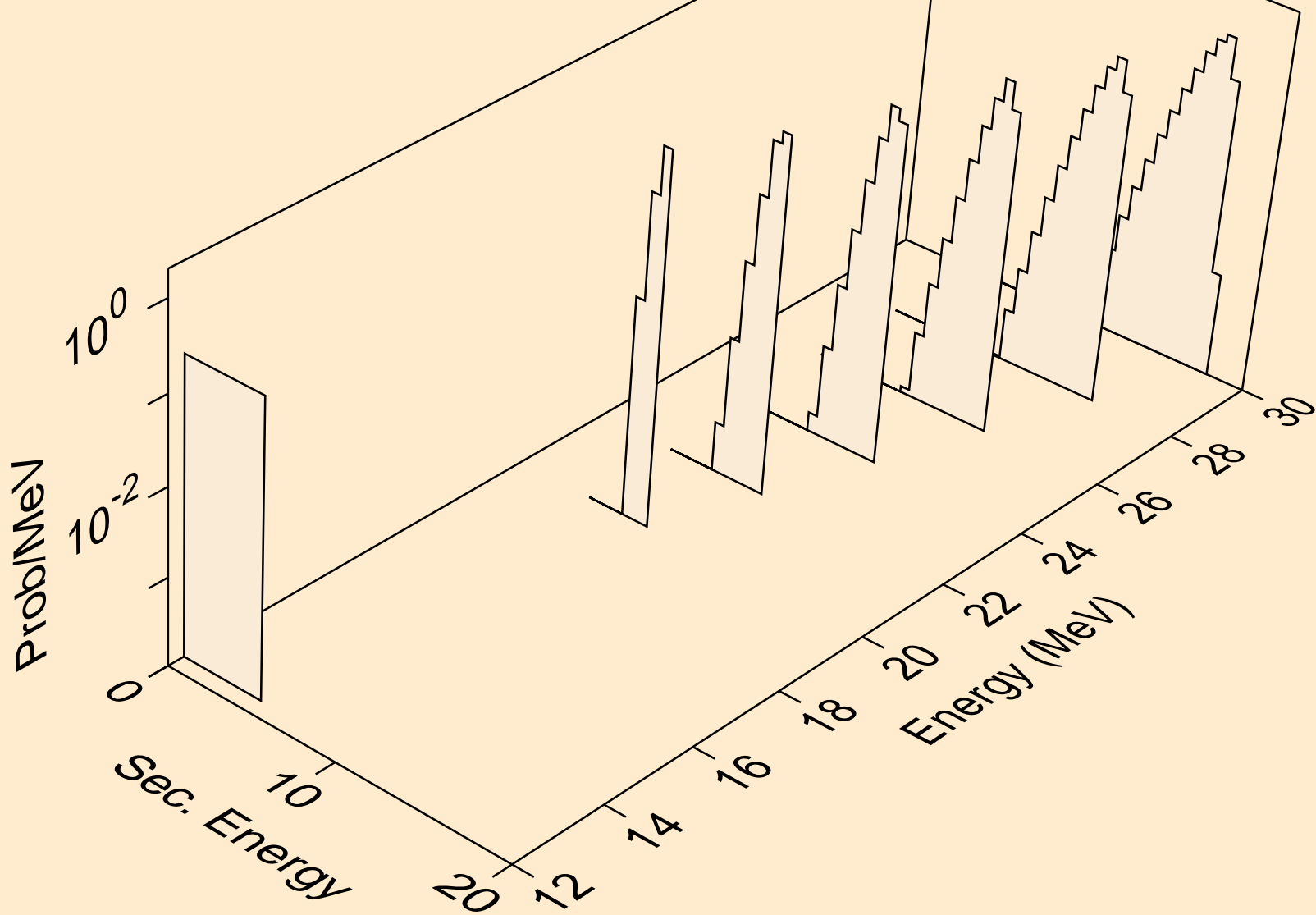
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tritons from (n,pt)



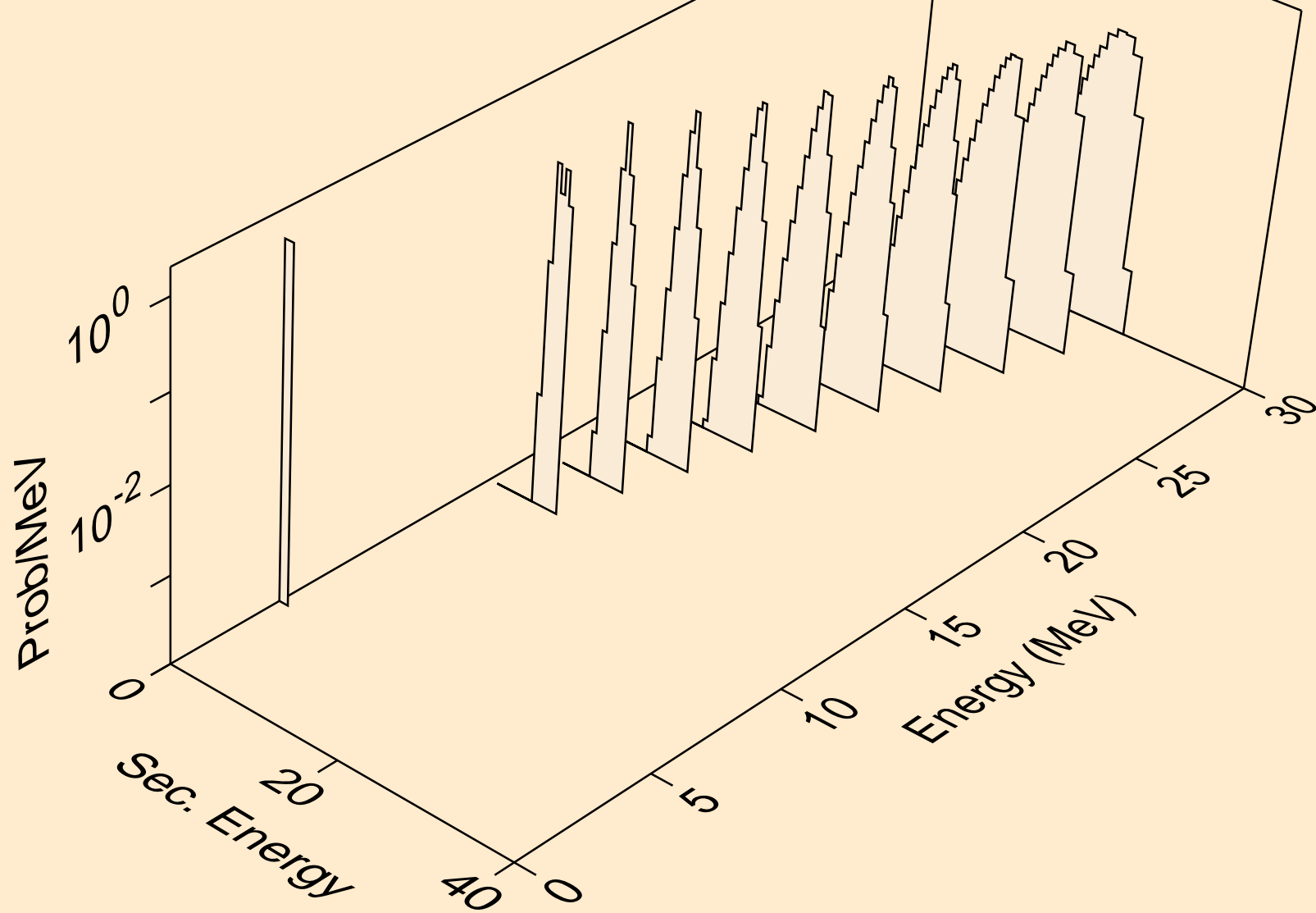
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he3s from (n,x)



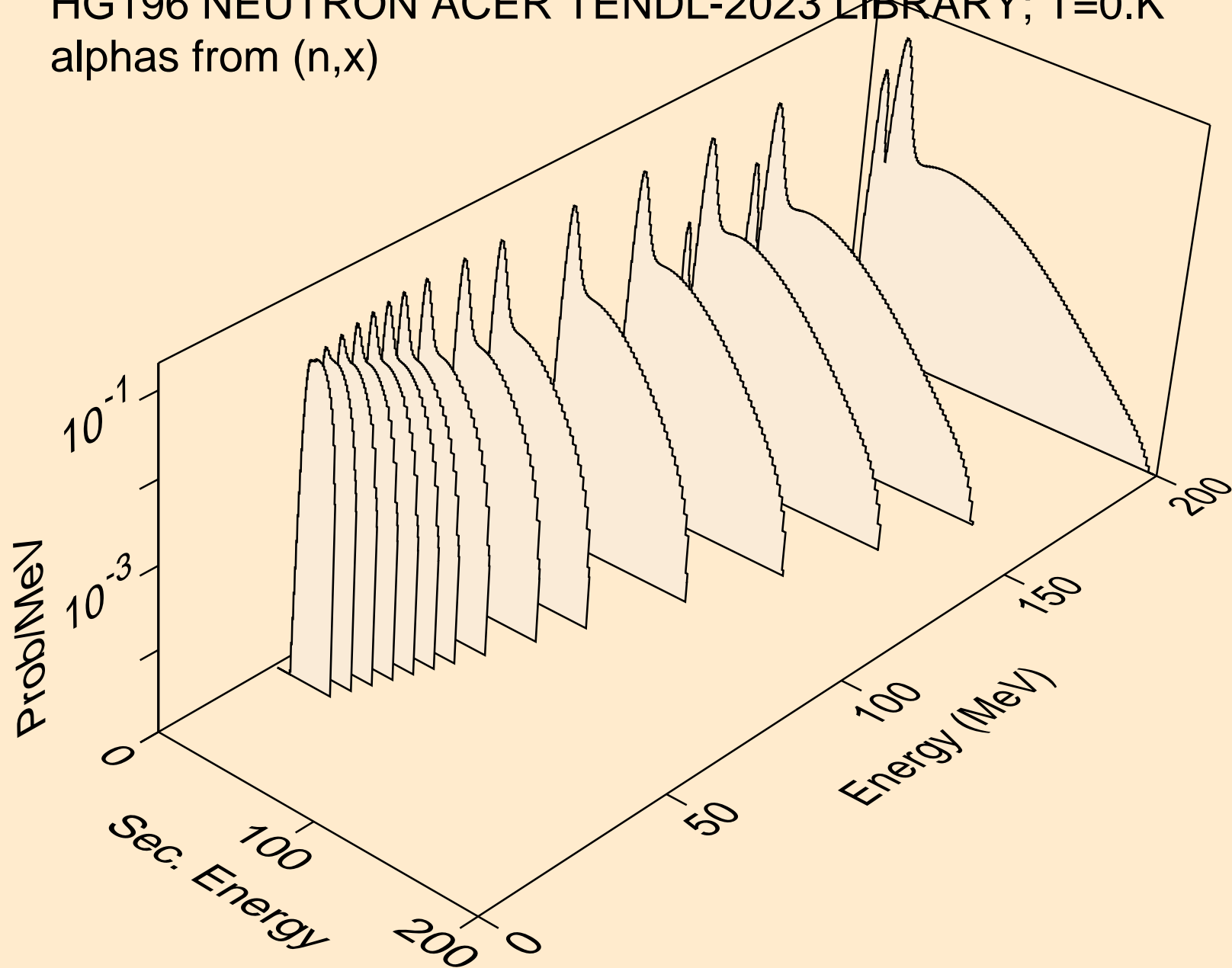
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he3s from (n,n\*)he3



HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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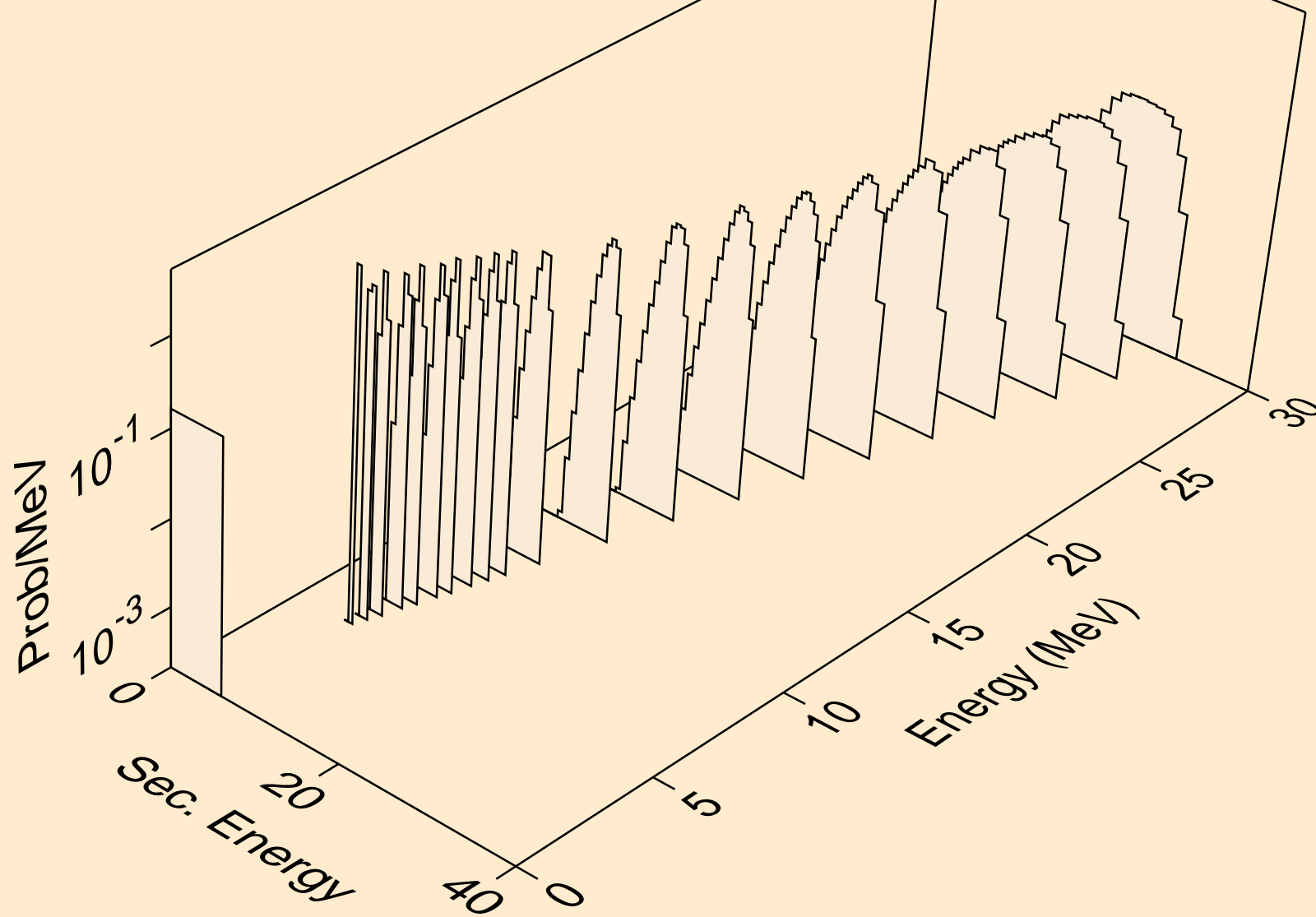


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alphas from (n,x)

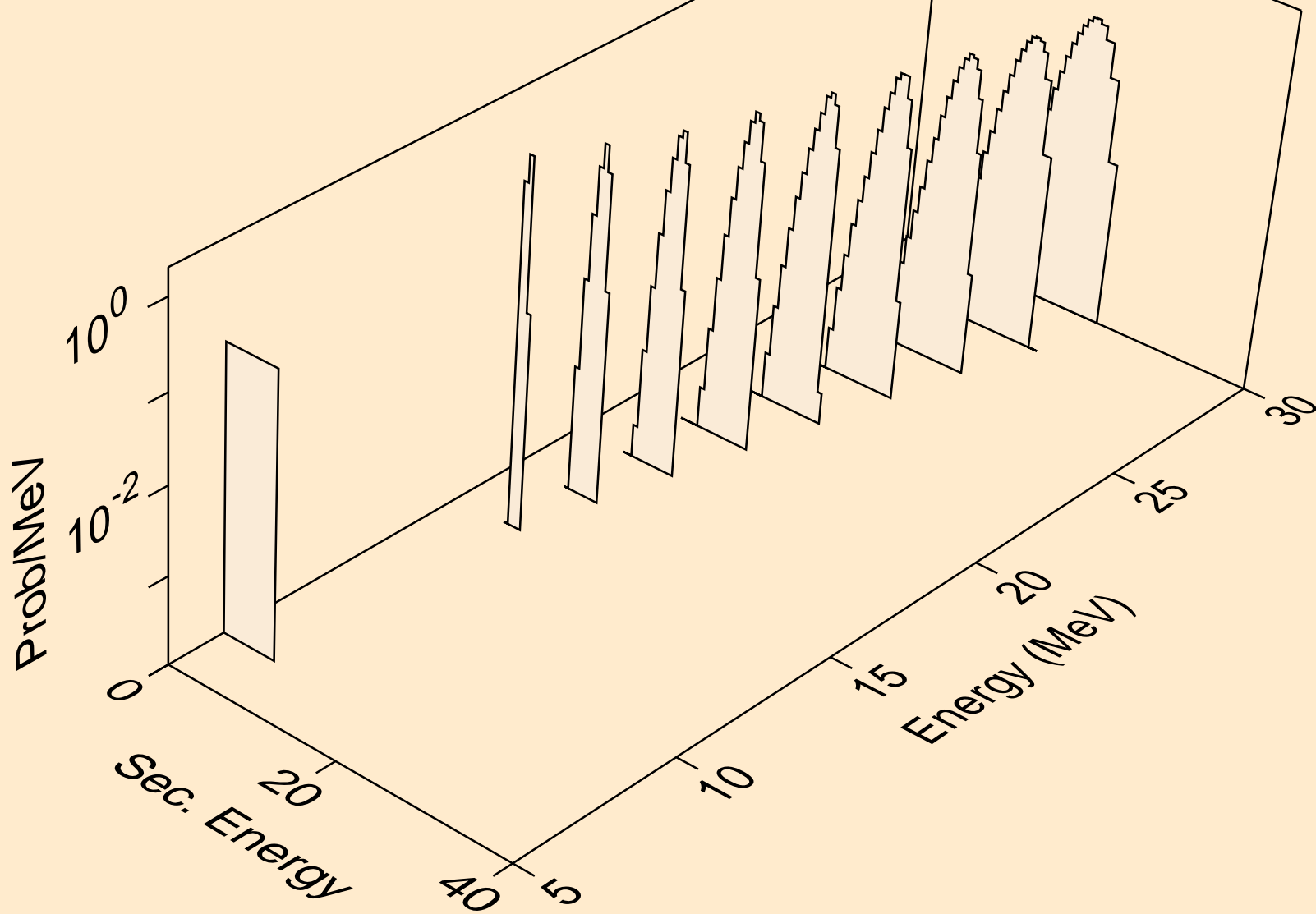




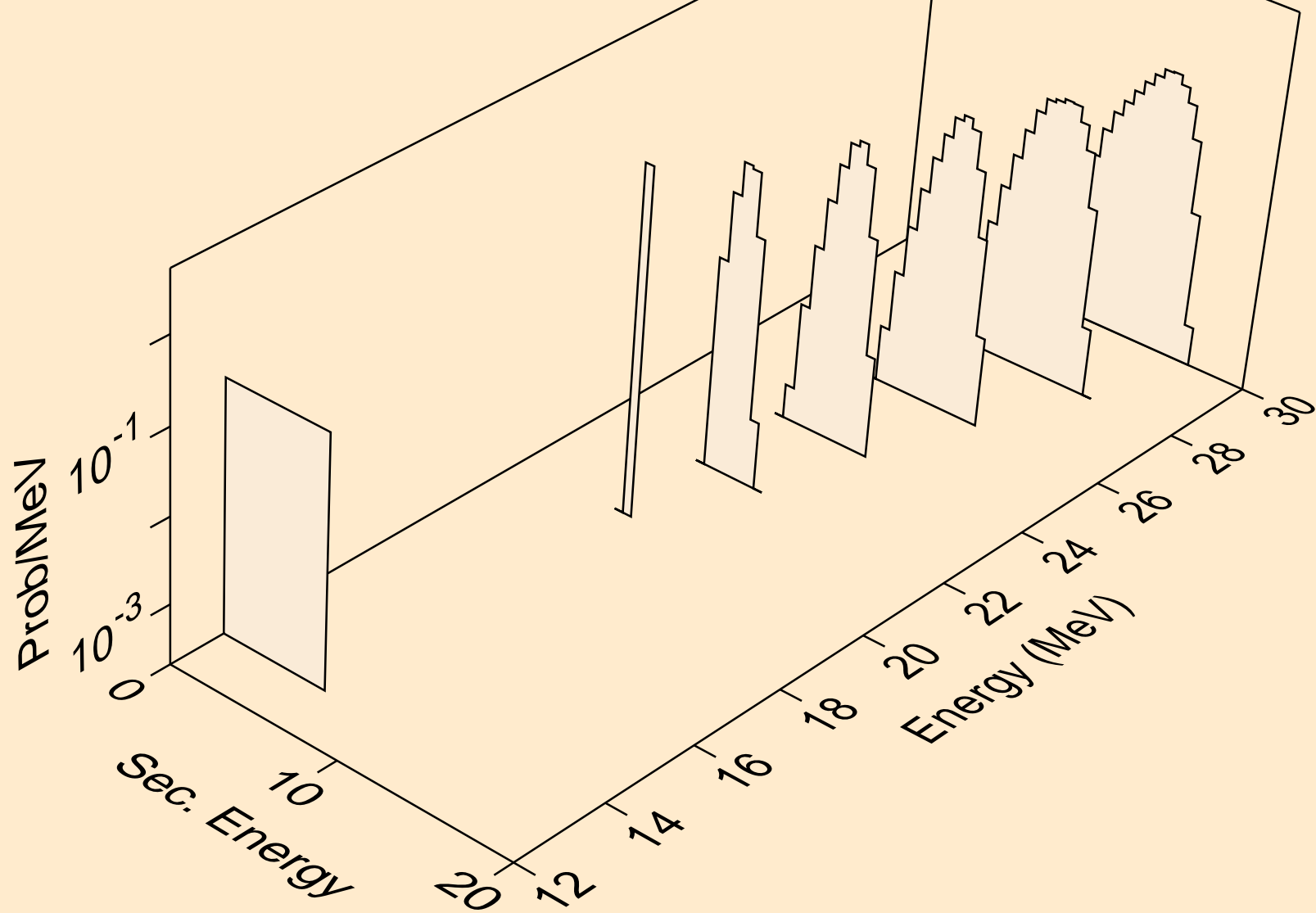
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alphas from (n,n\*)a



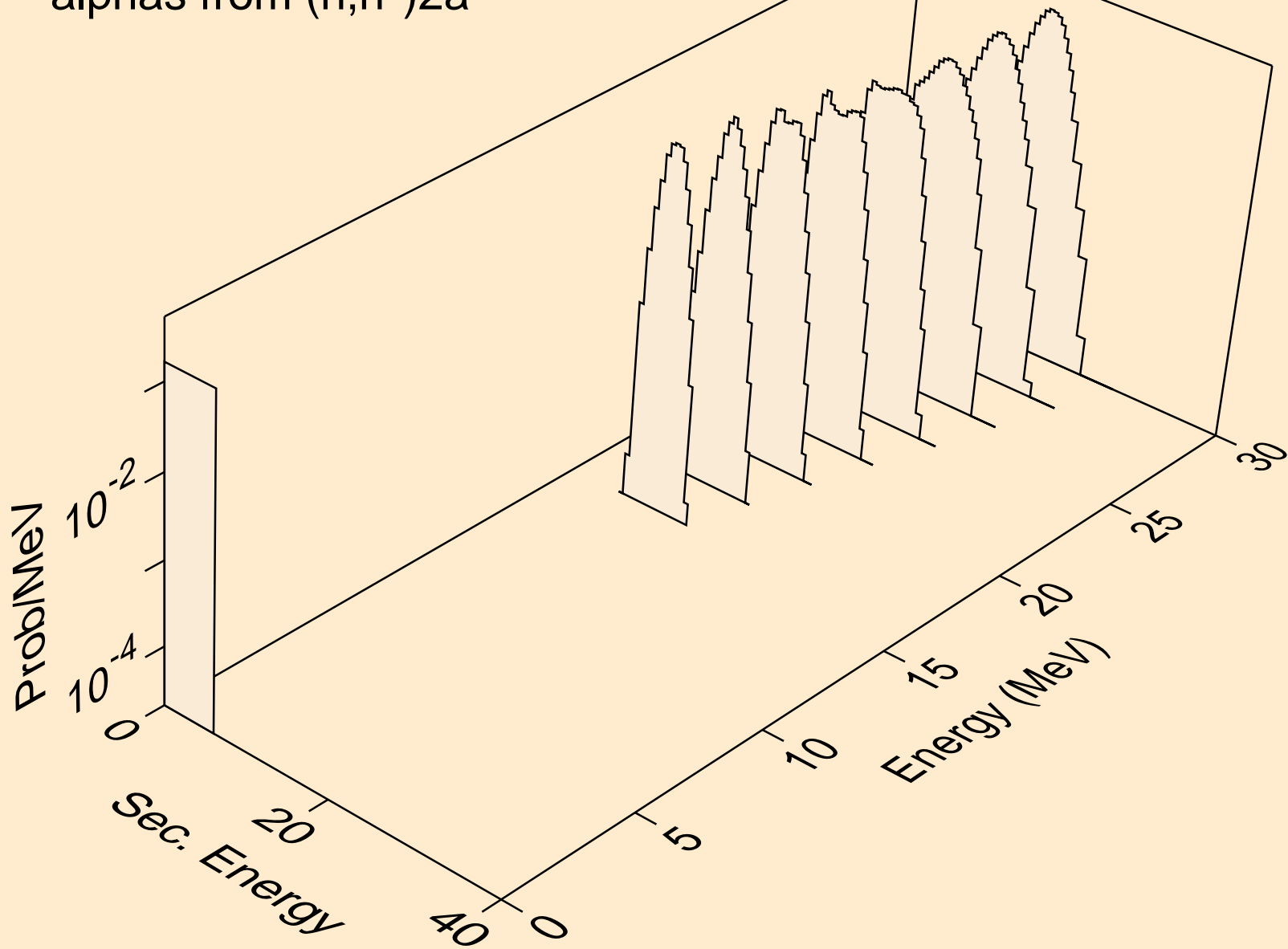
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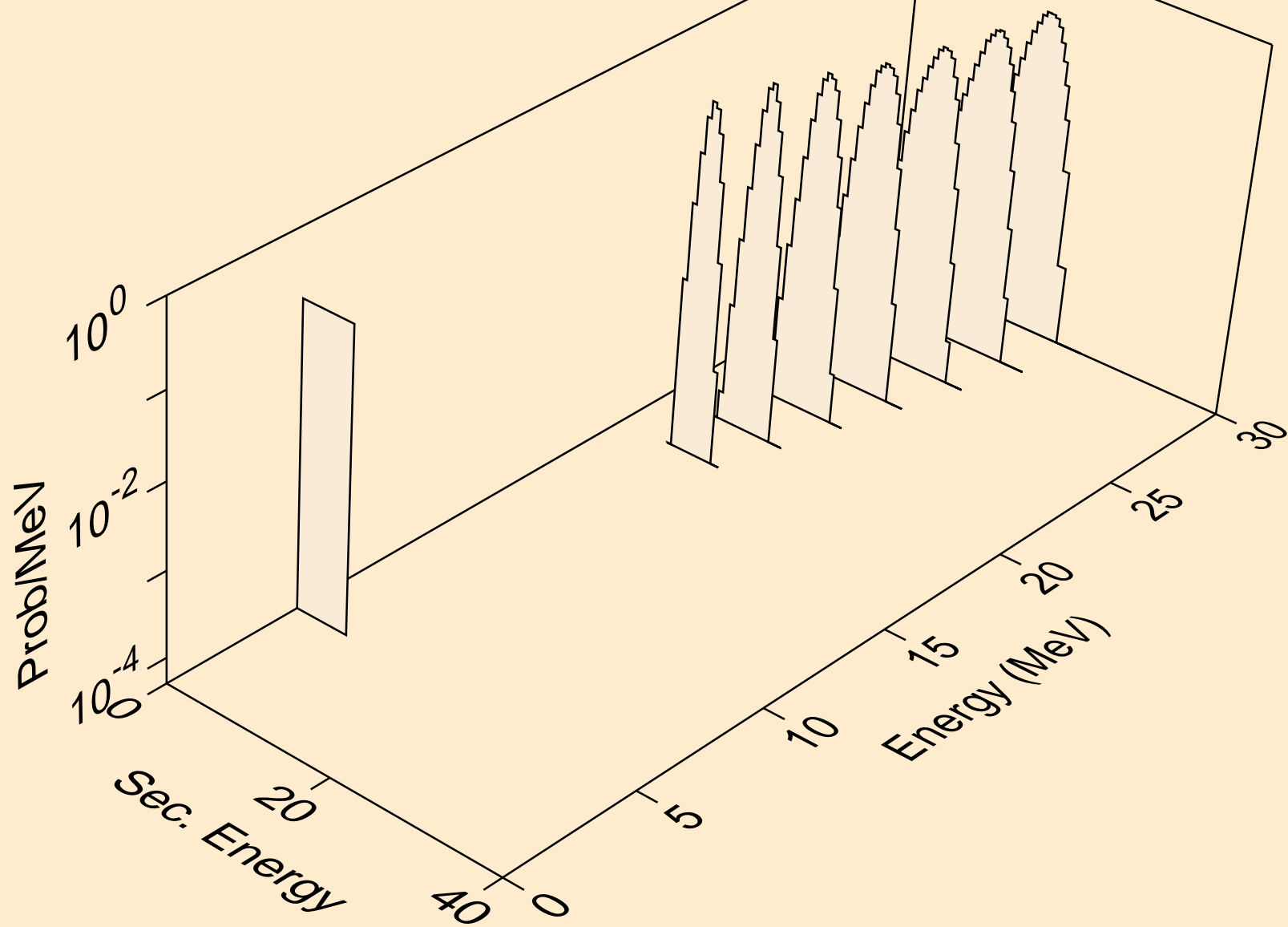
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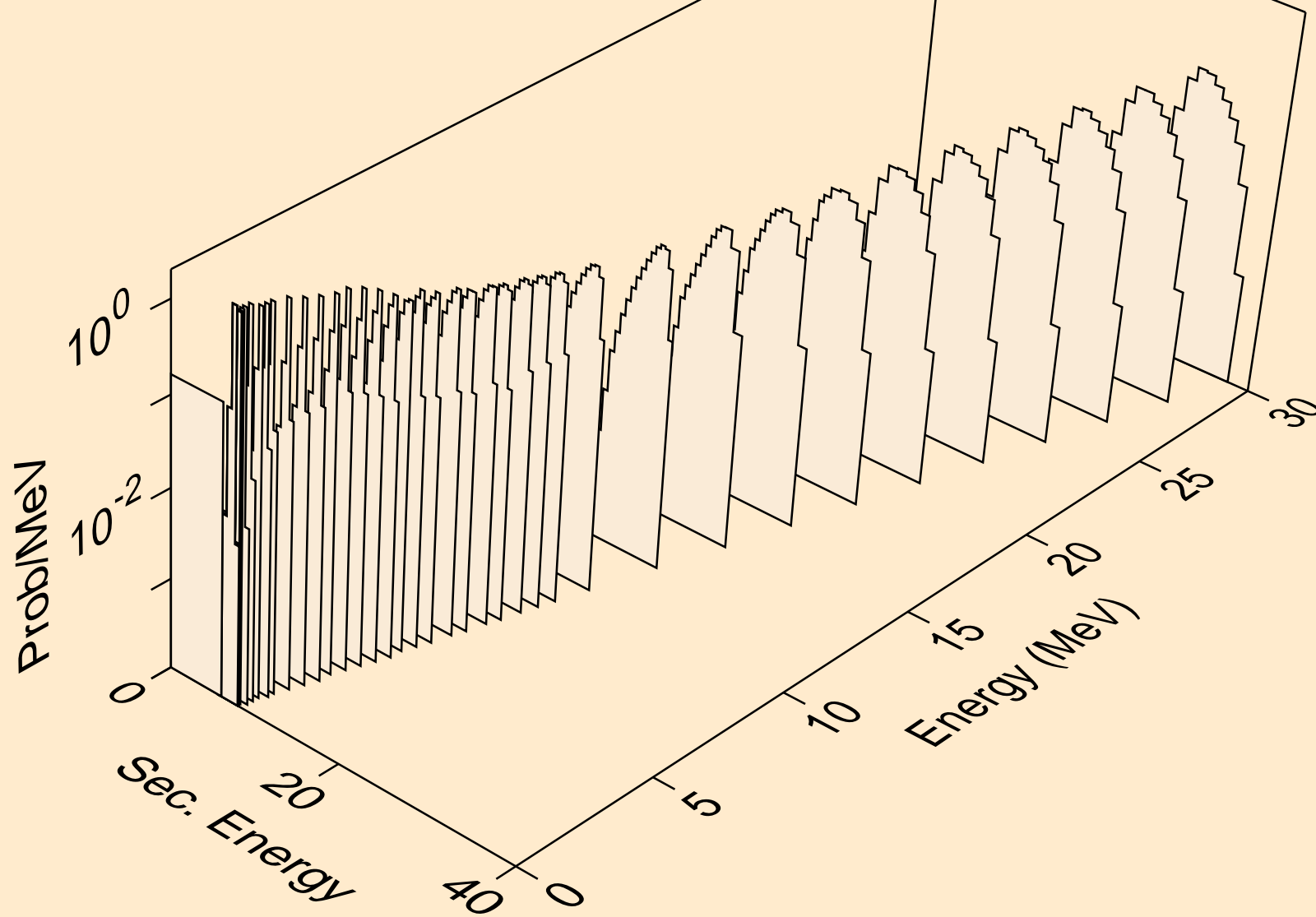
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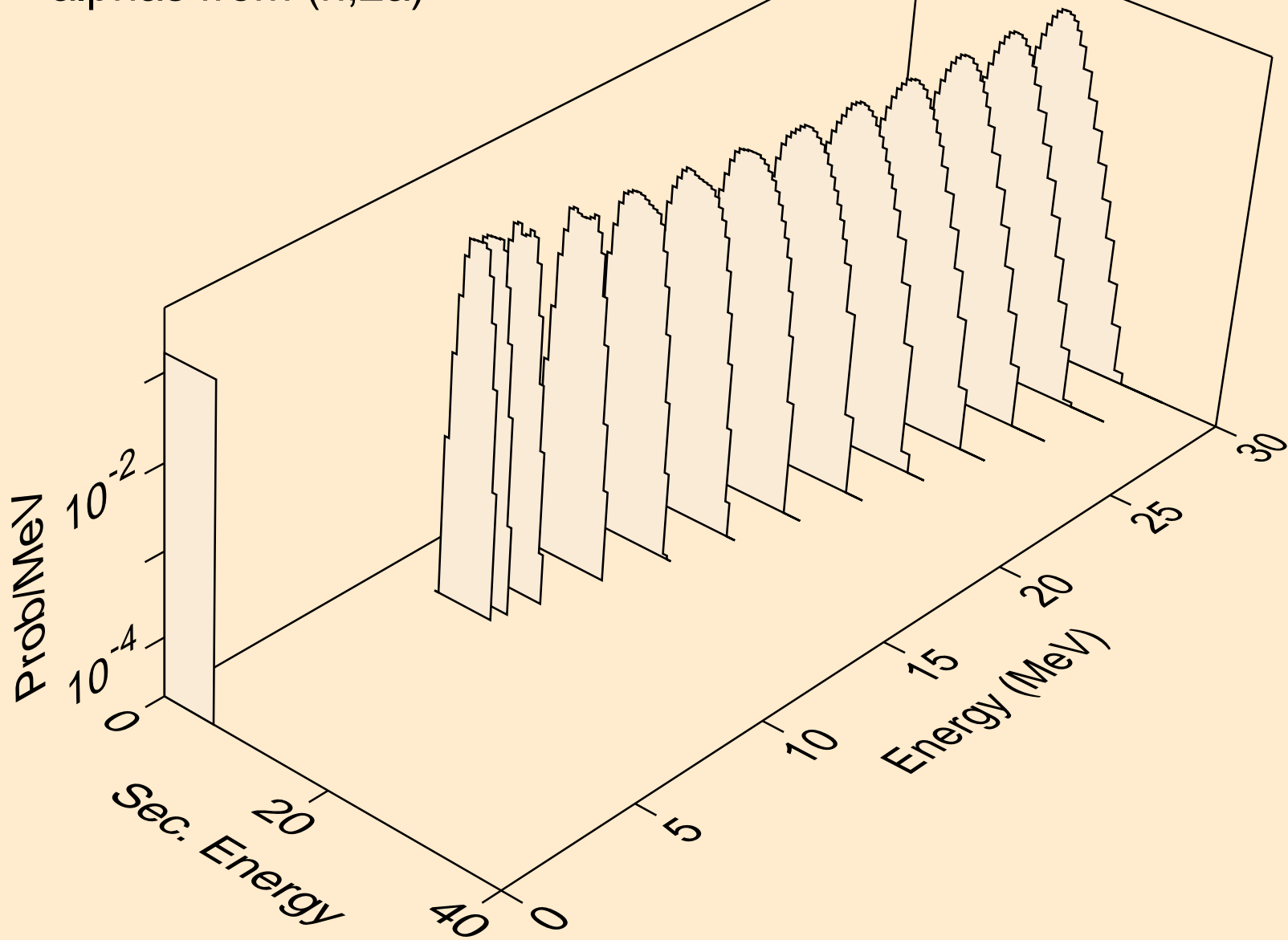
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)



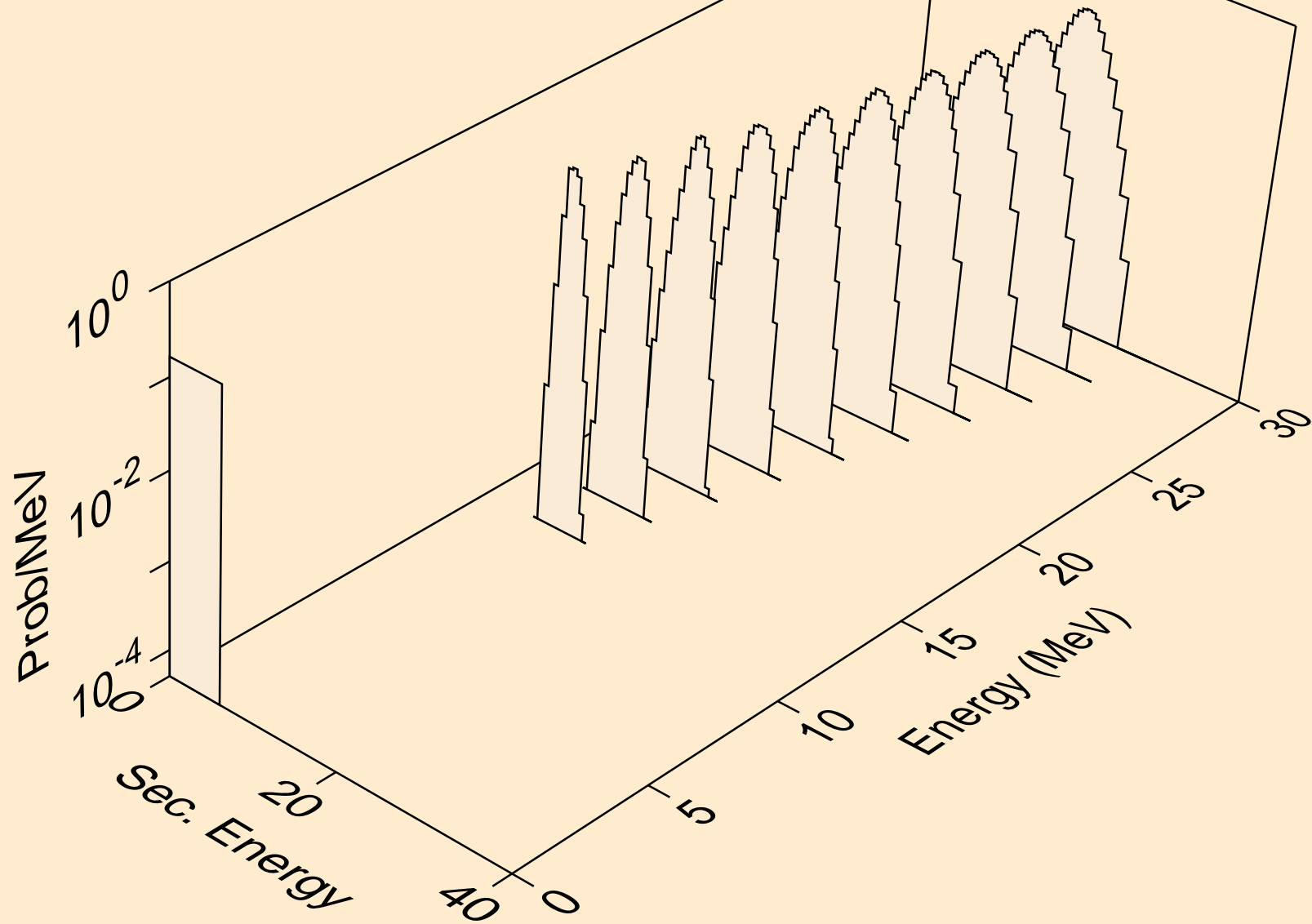
HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)





HG196 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

