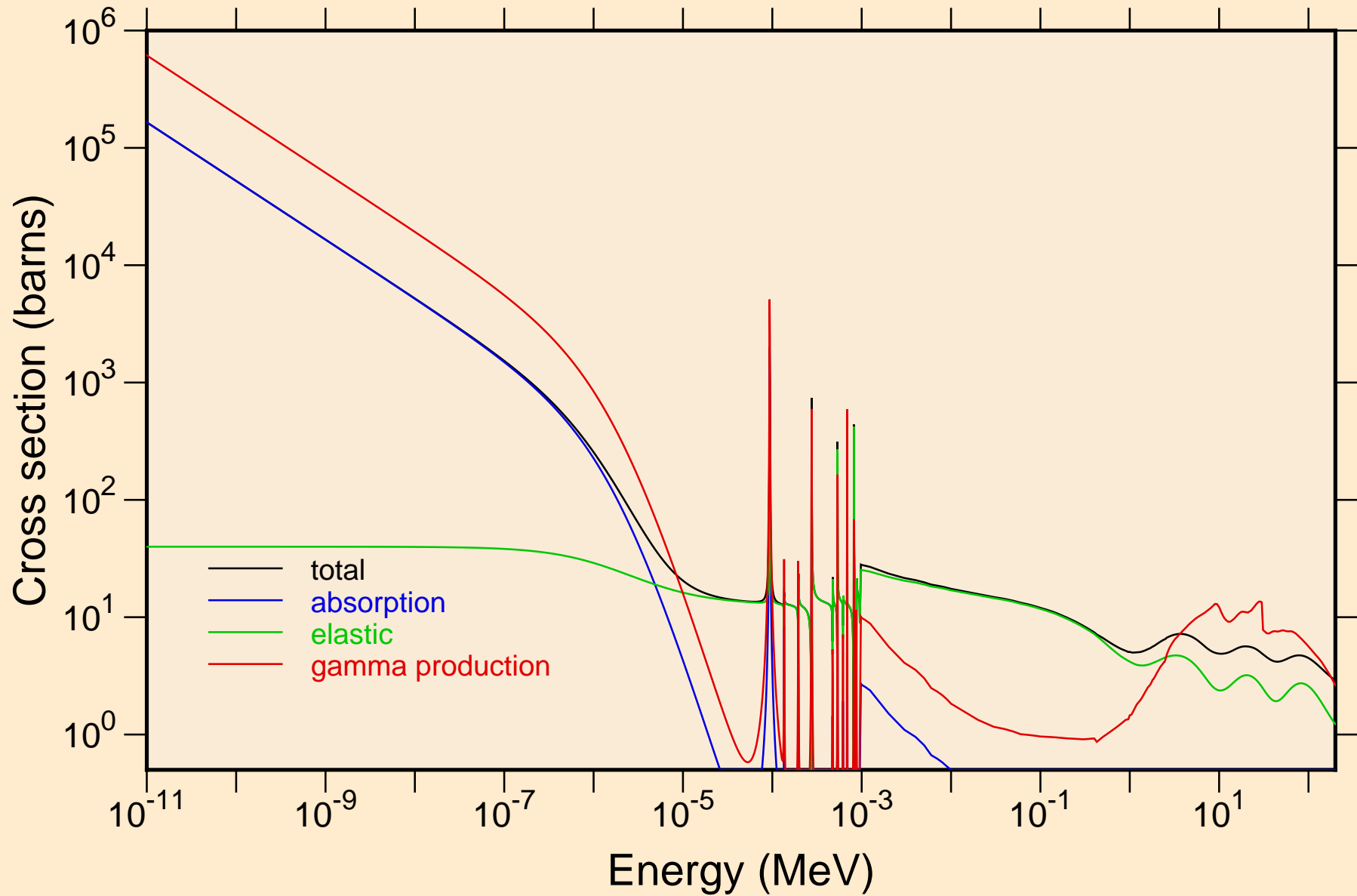
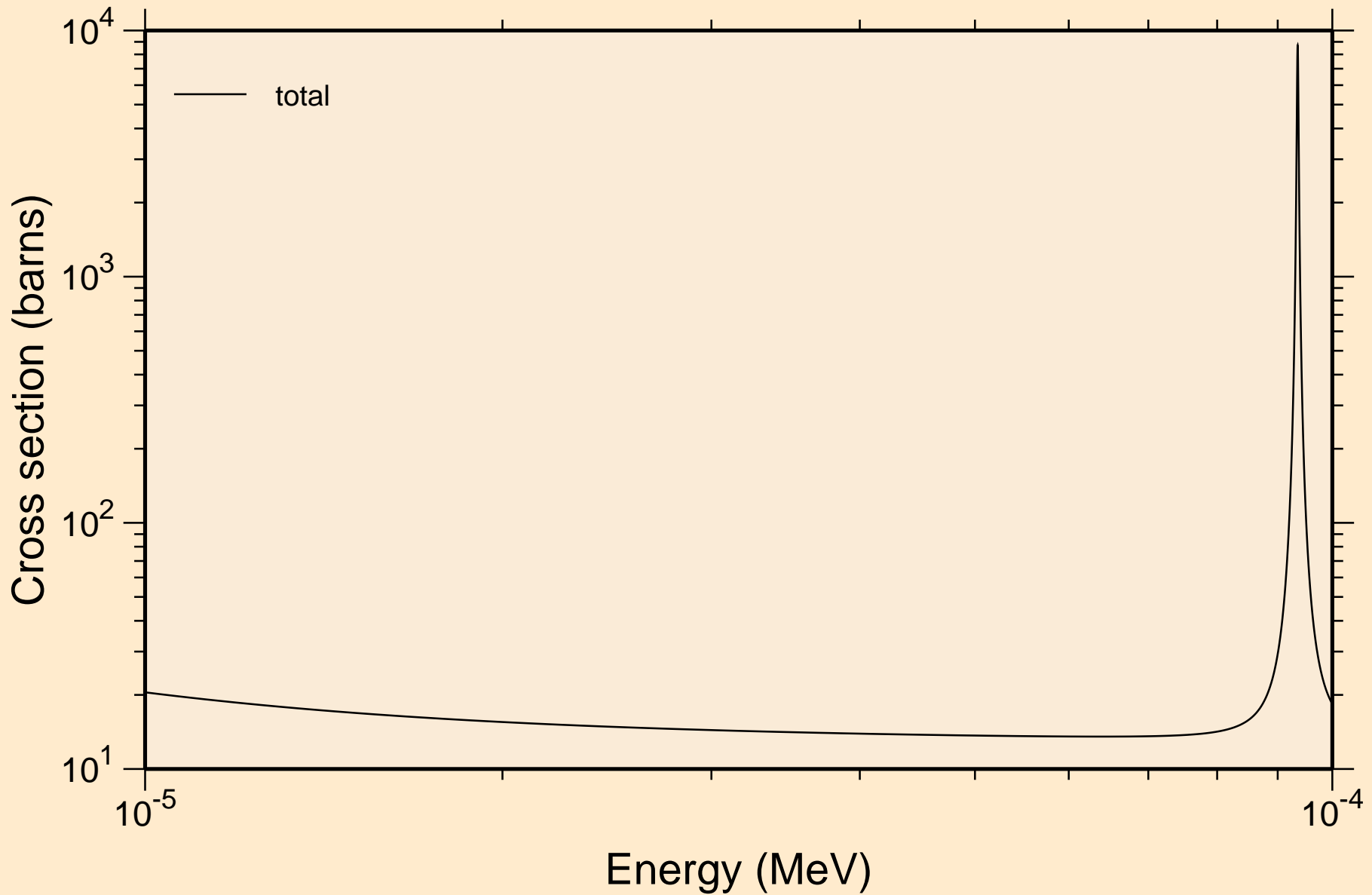


# HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

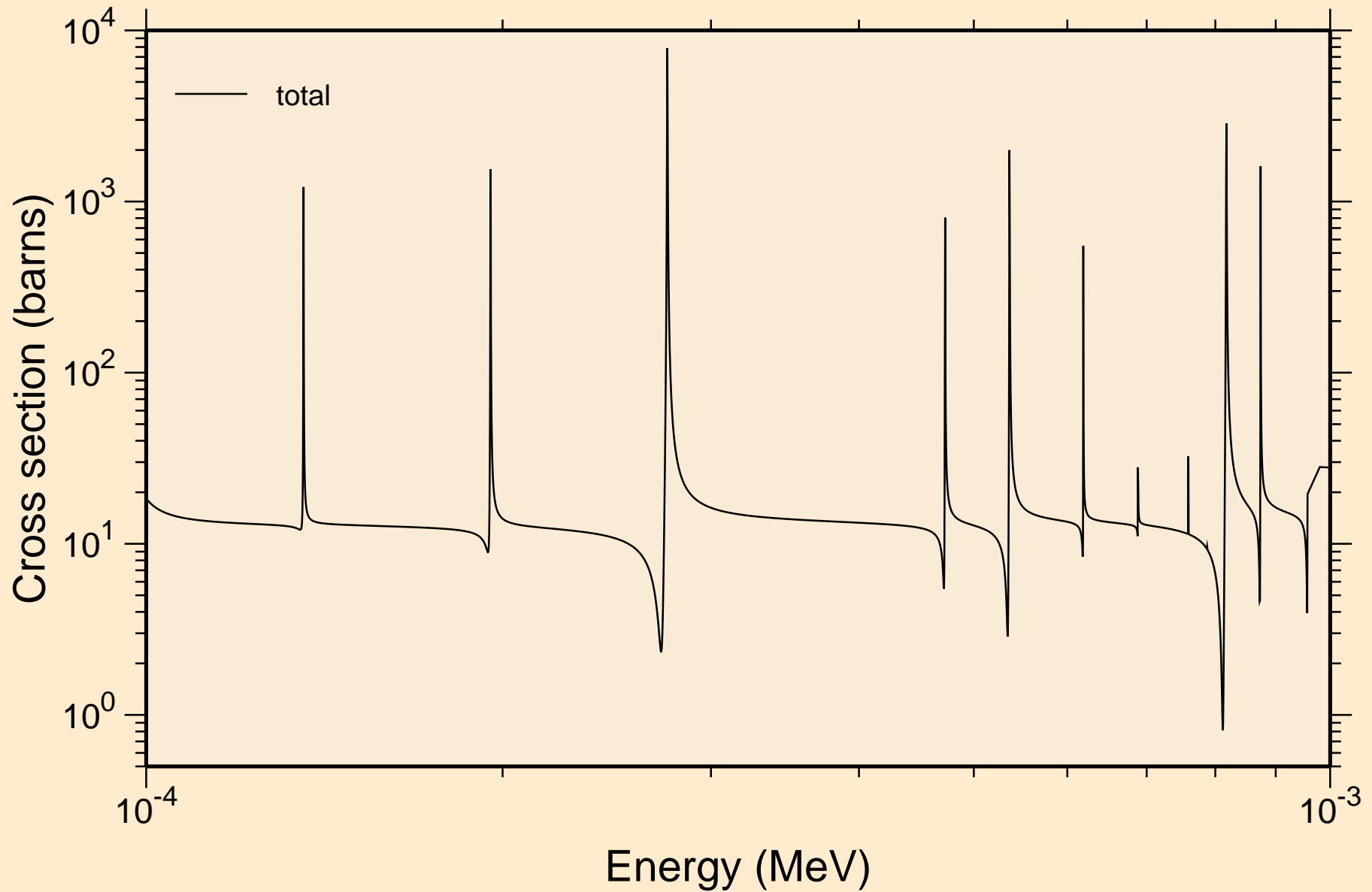
## Principal cross sections



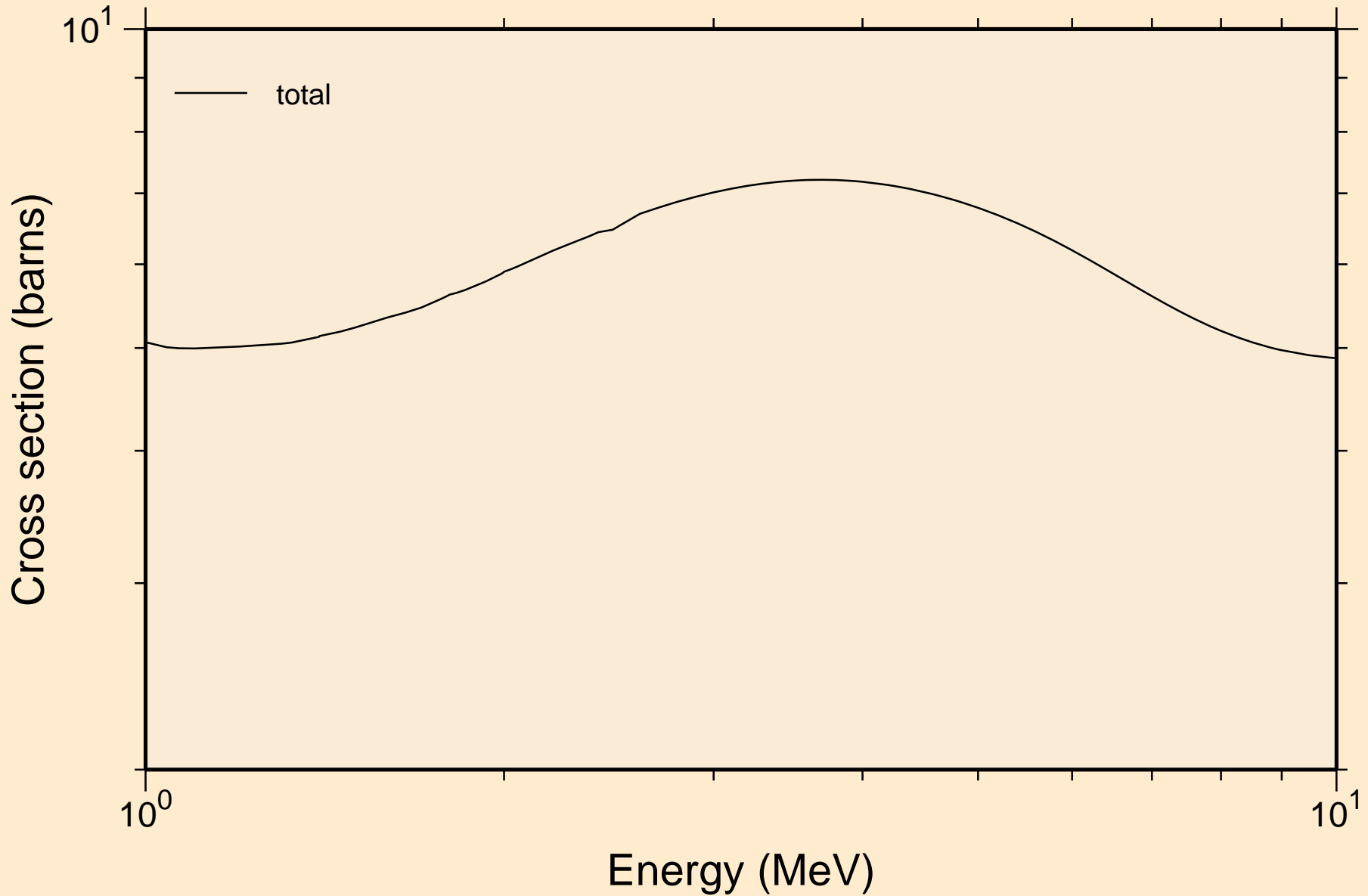
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



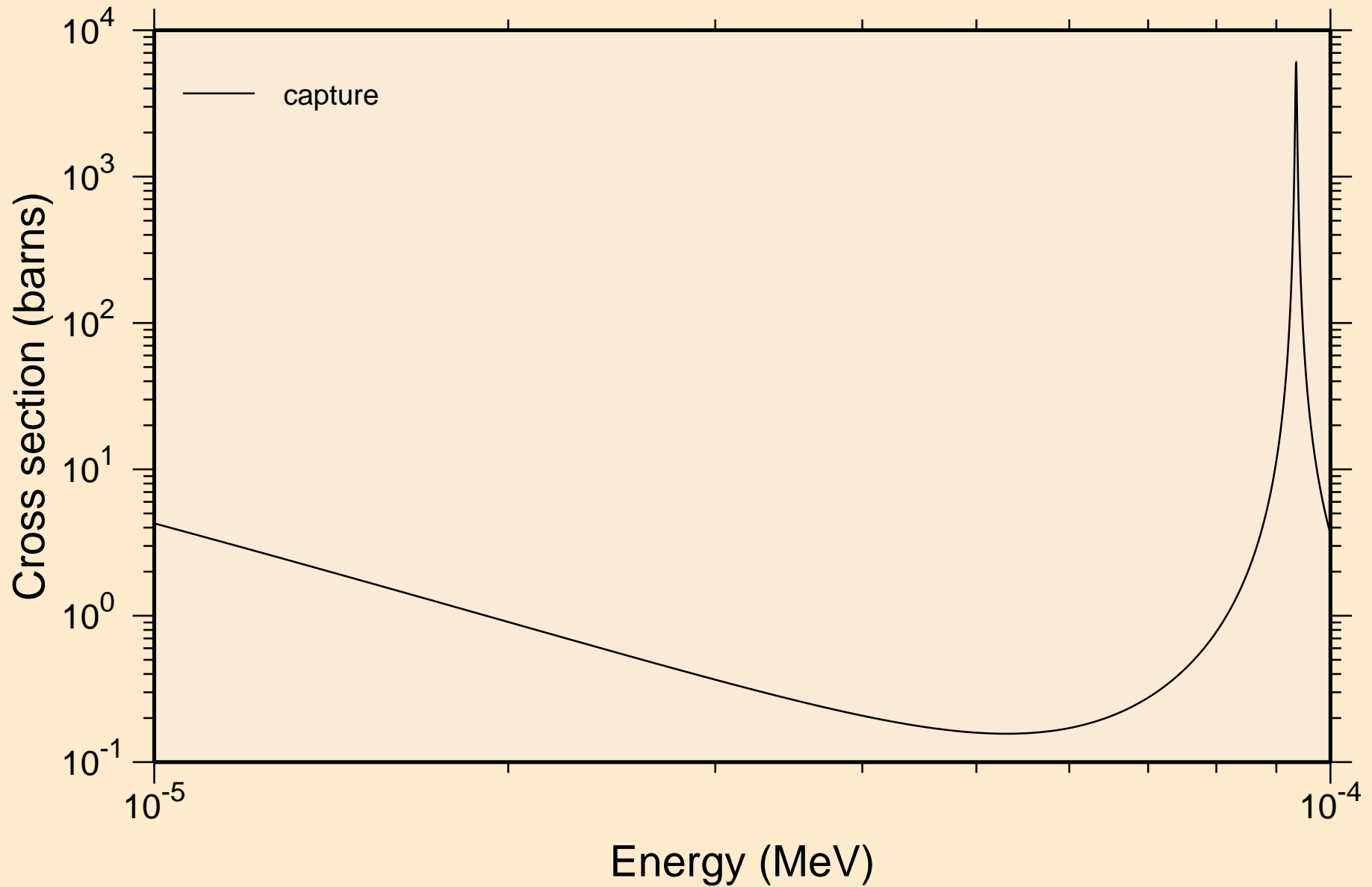
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



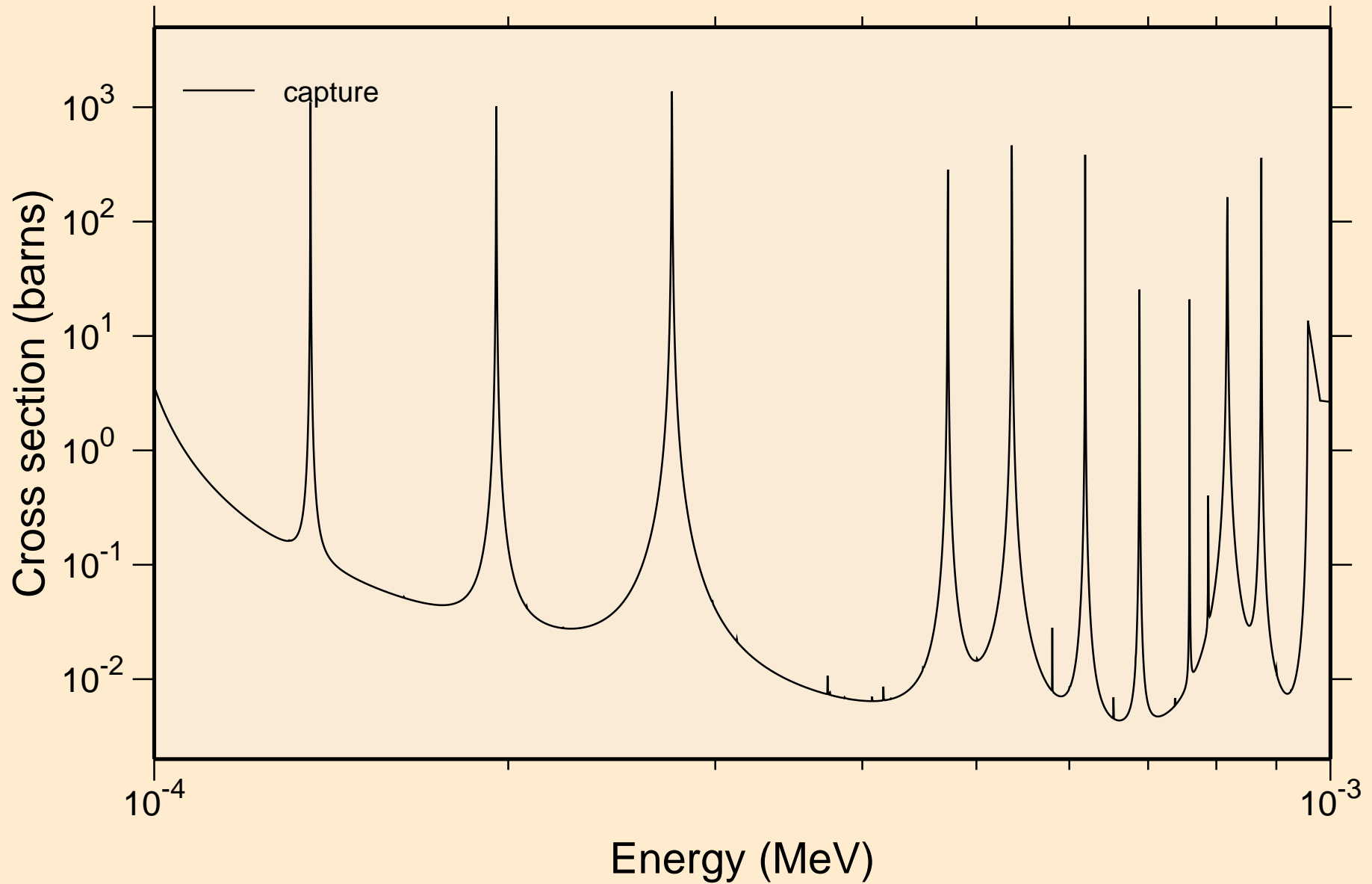
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



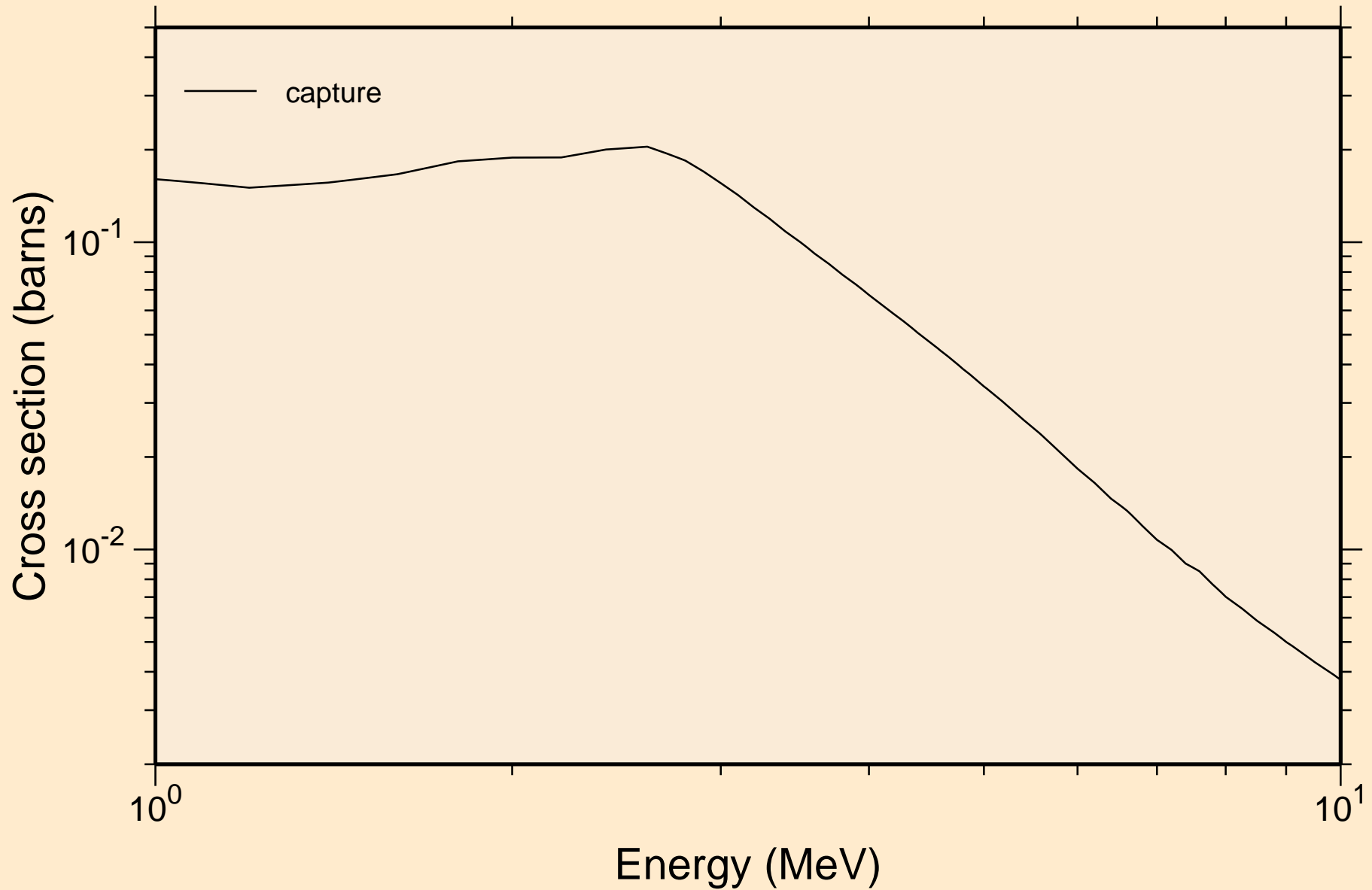
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



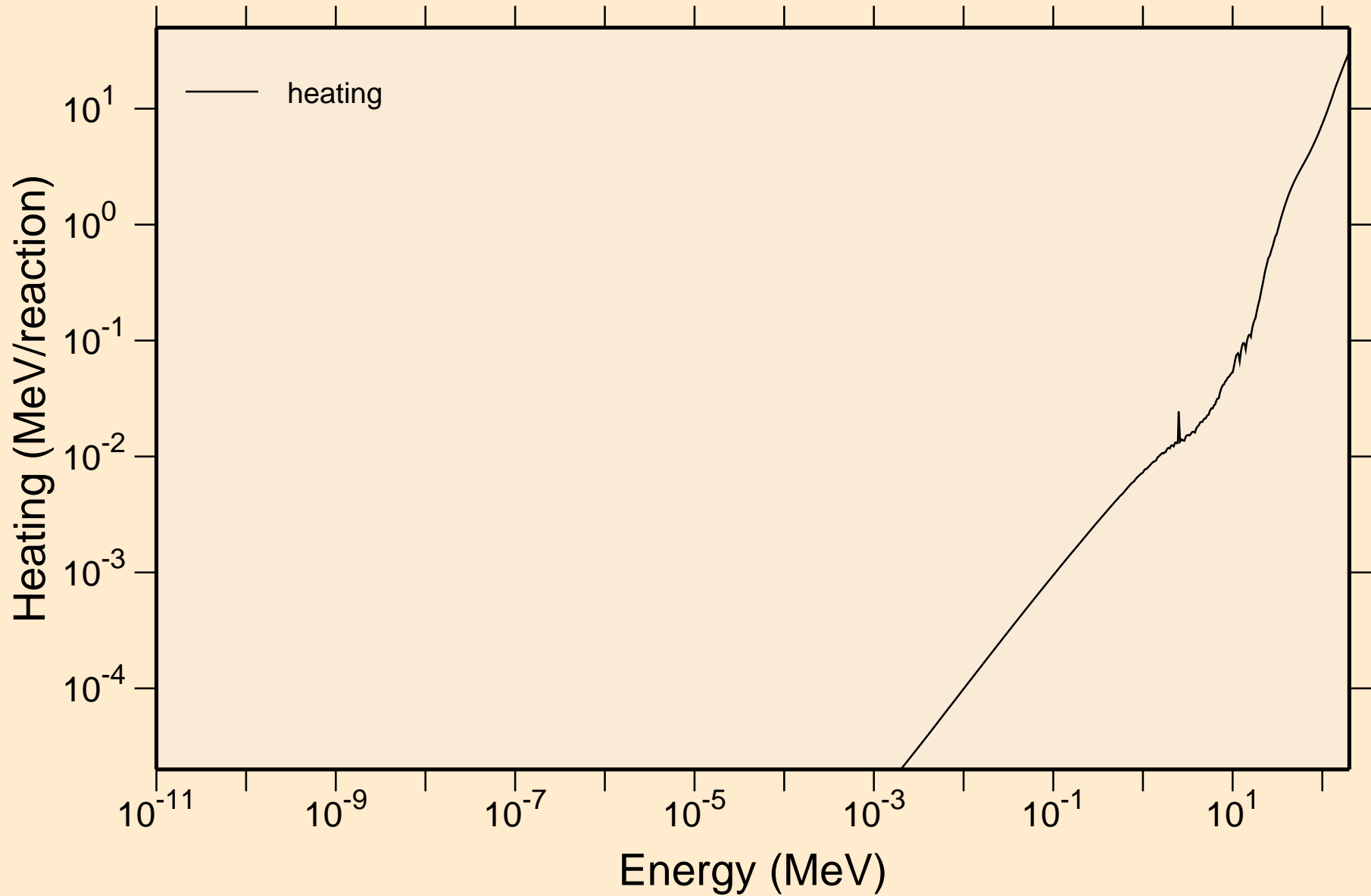
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



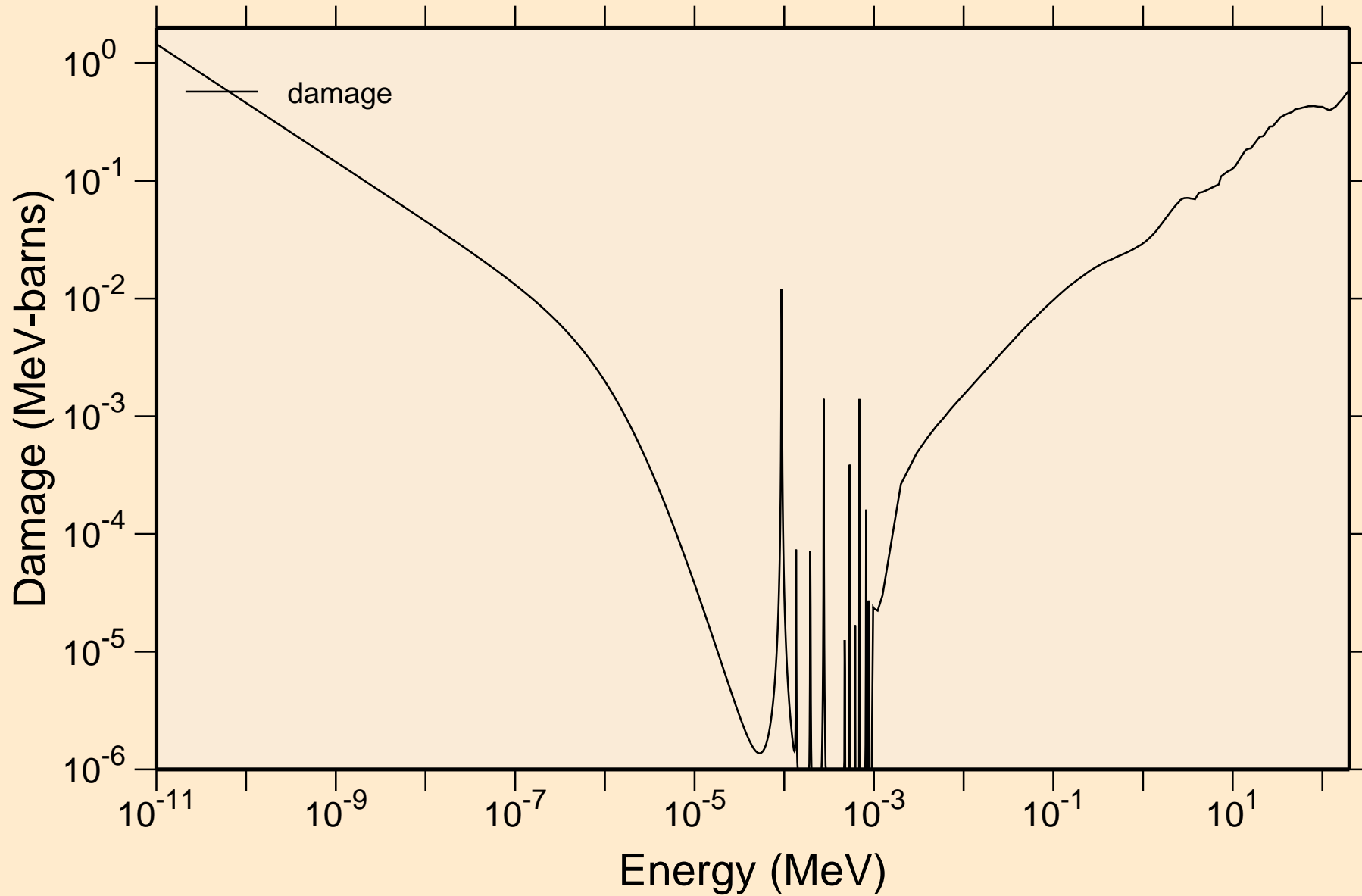
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Heating





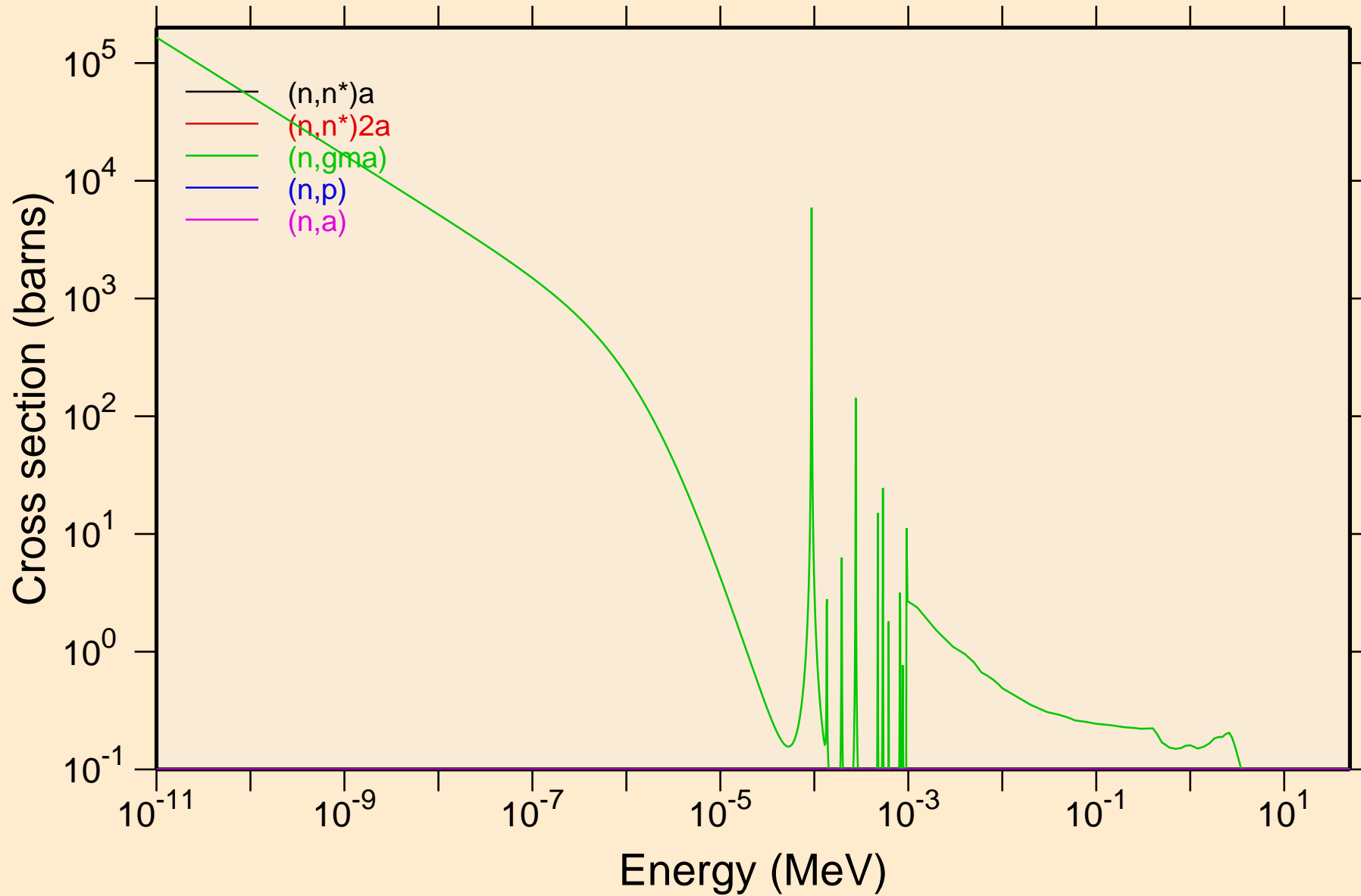
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## Damage



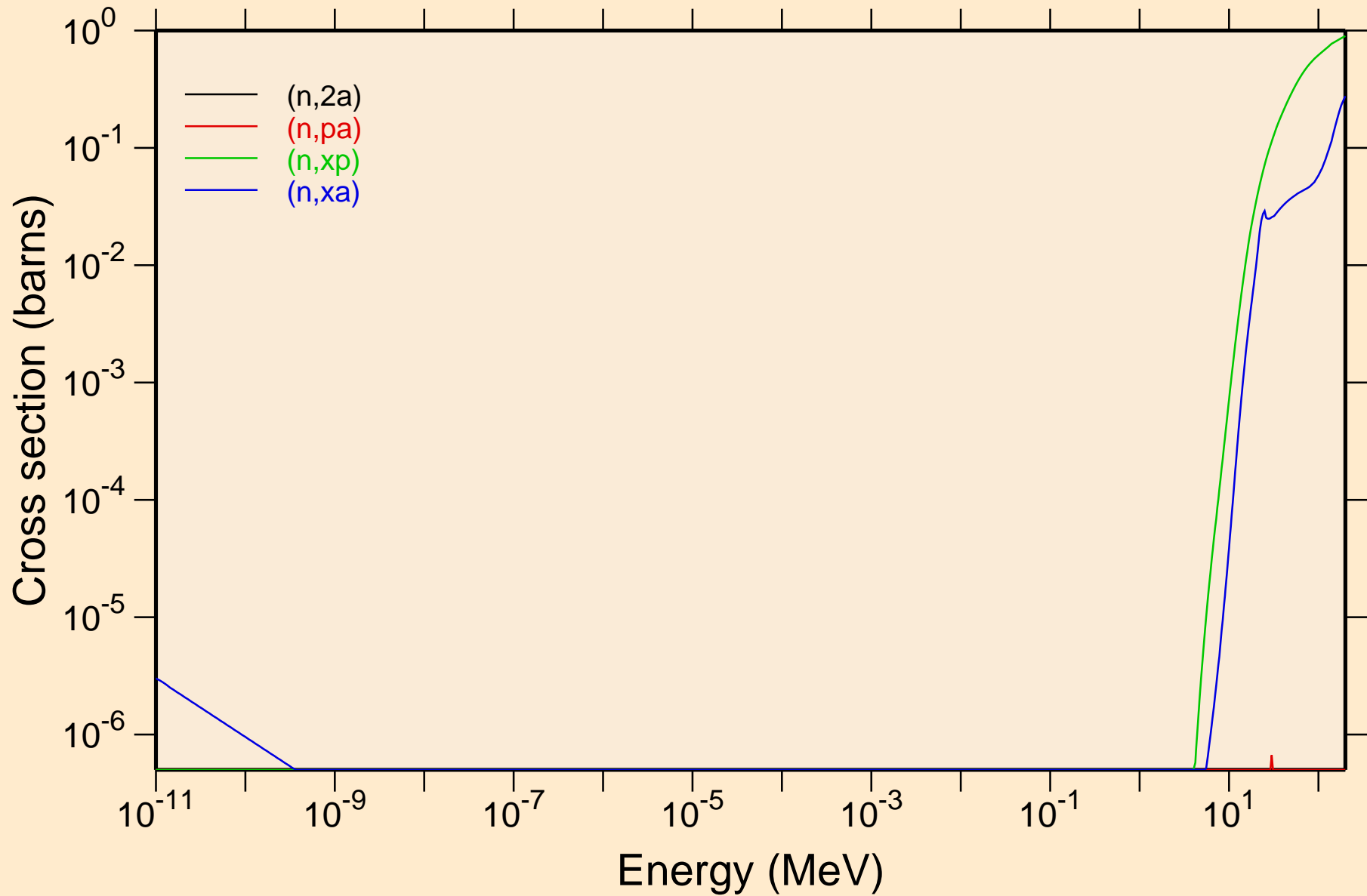
# HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



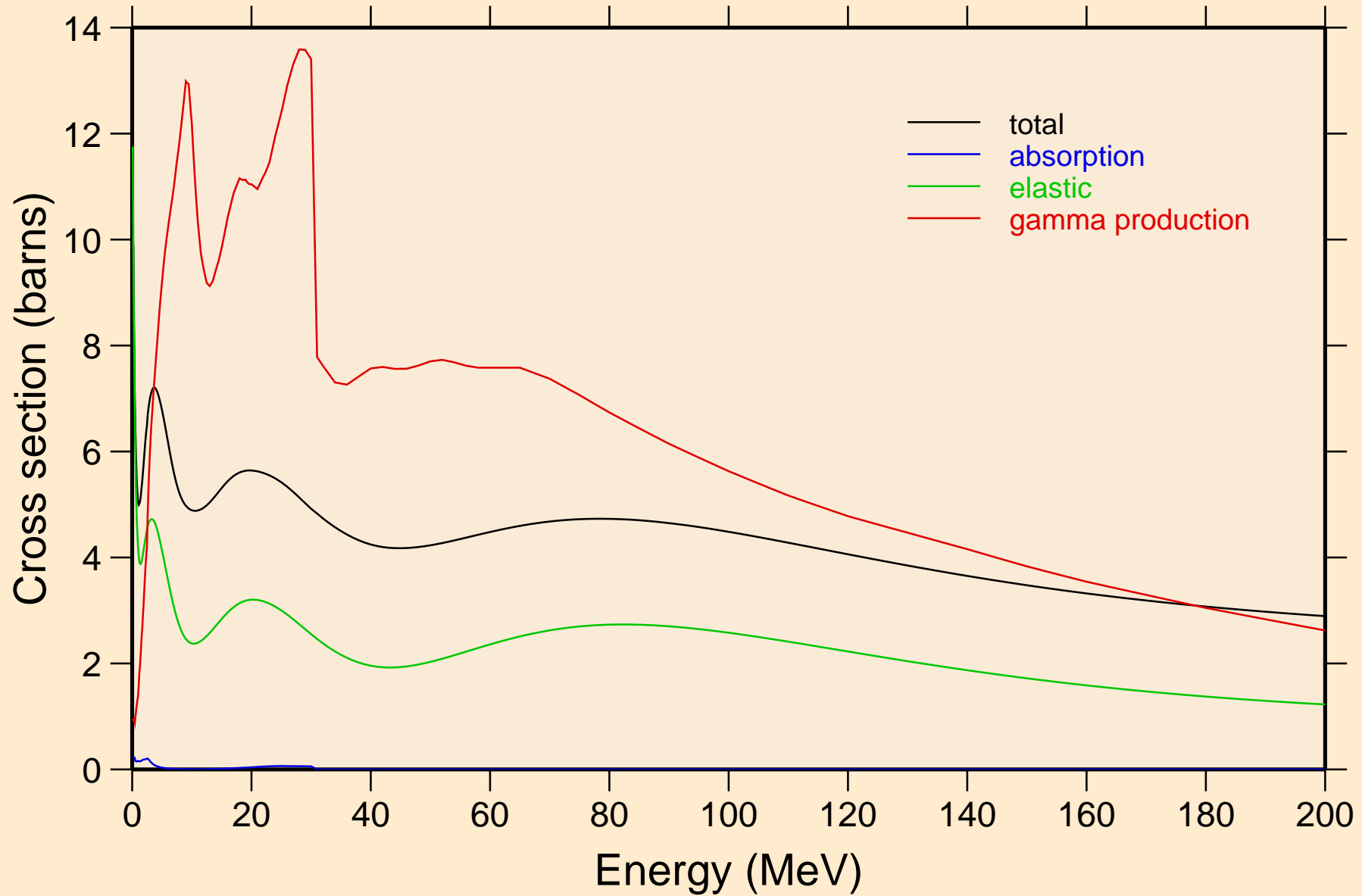
# HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



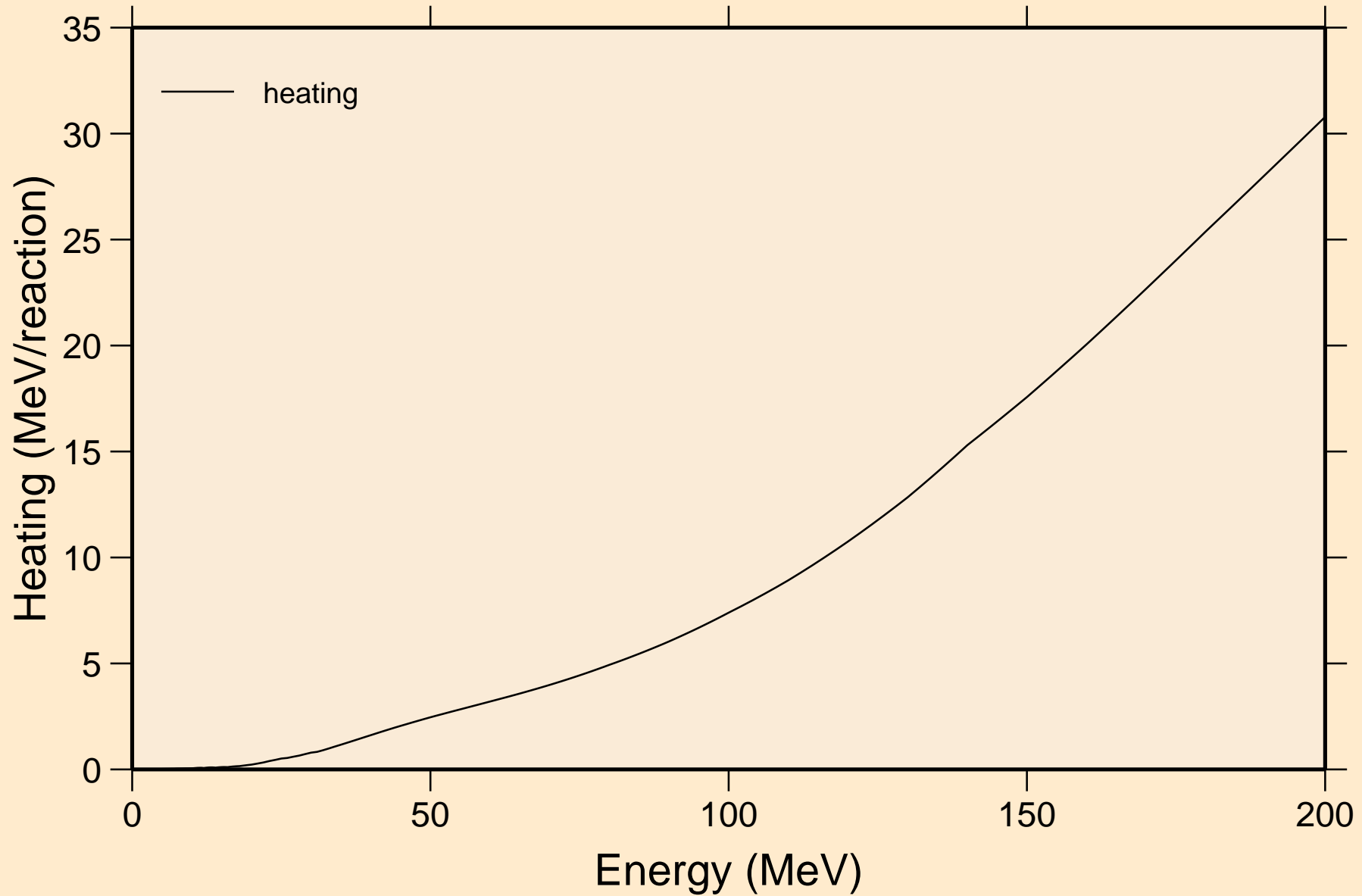
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## Principal cross sections



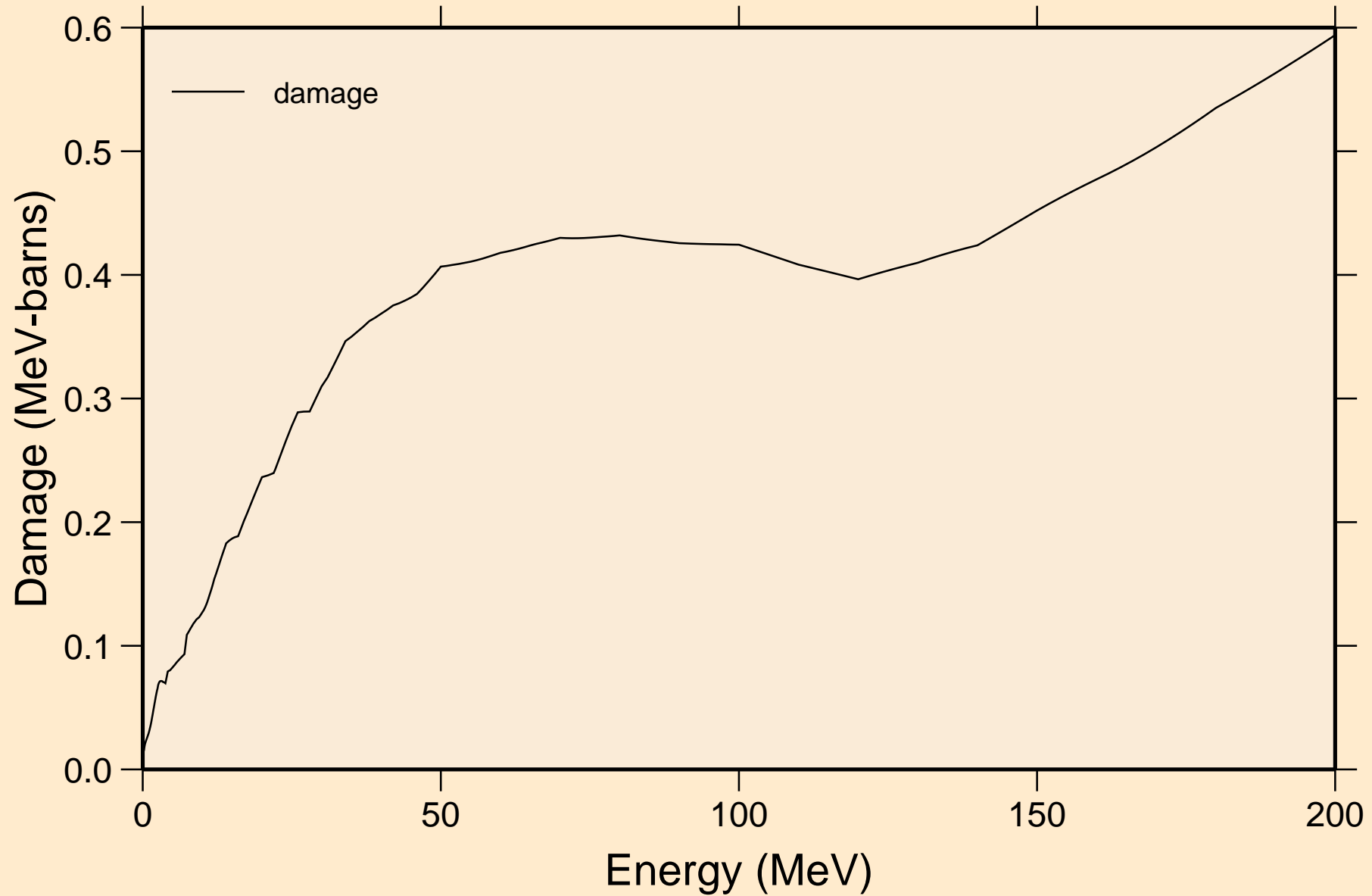
# HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



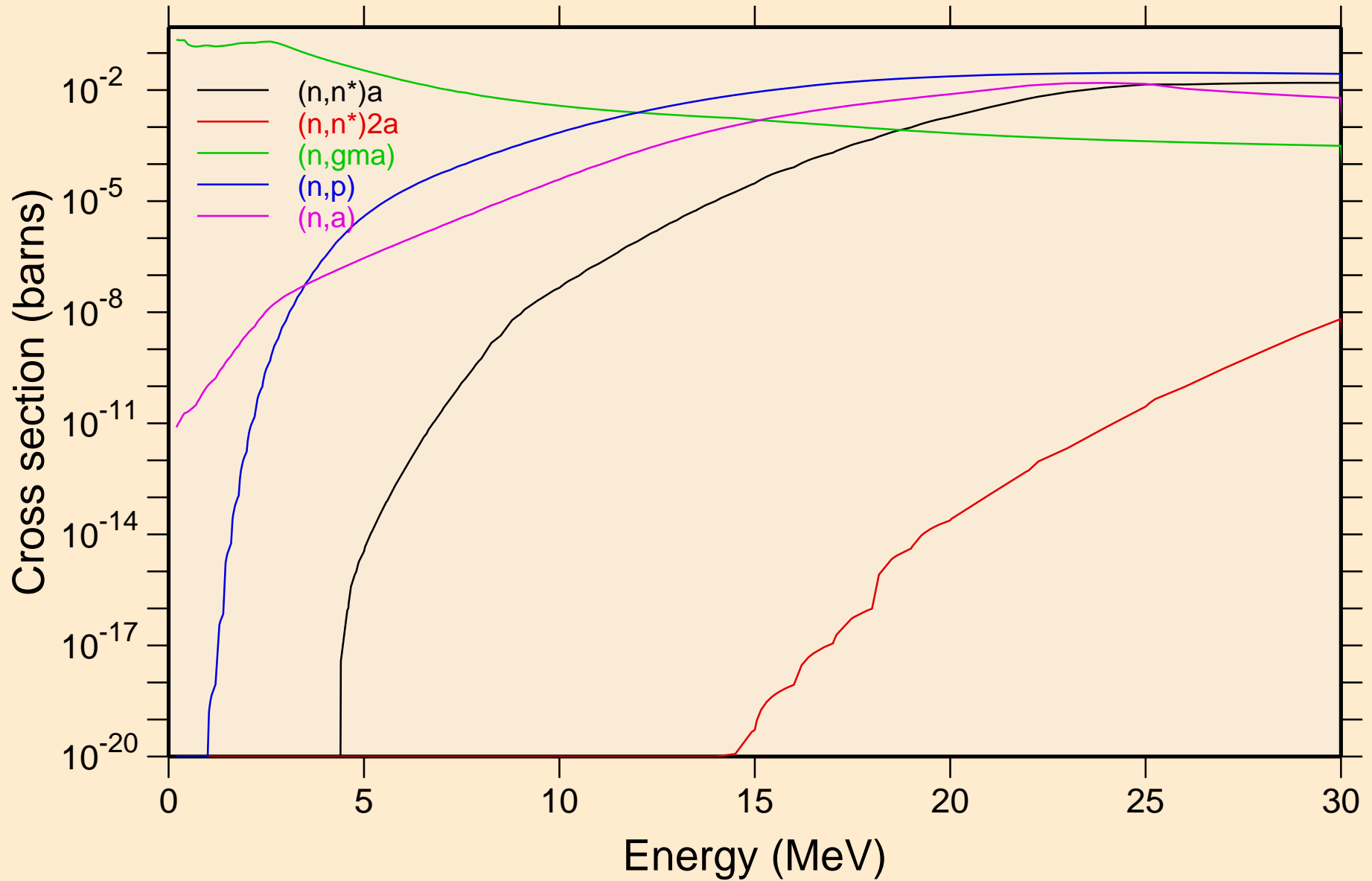
# HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

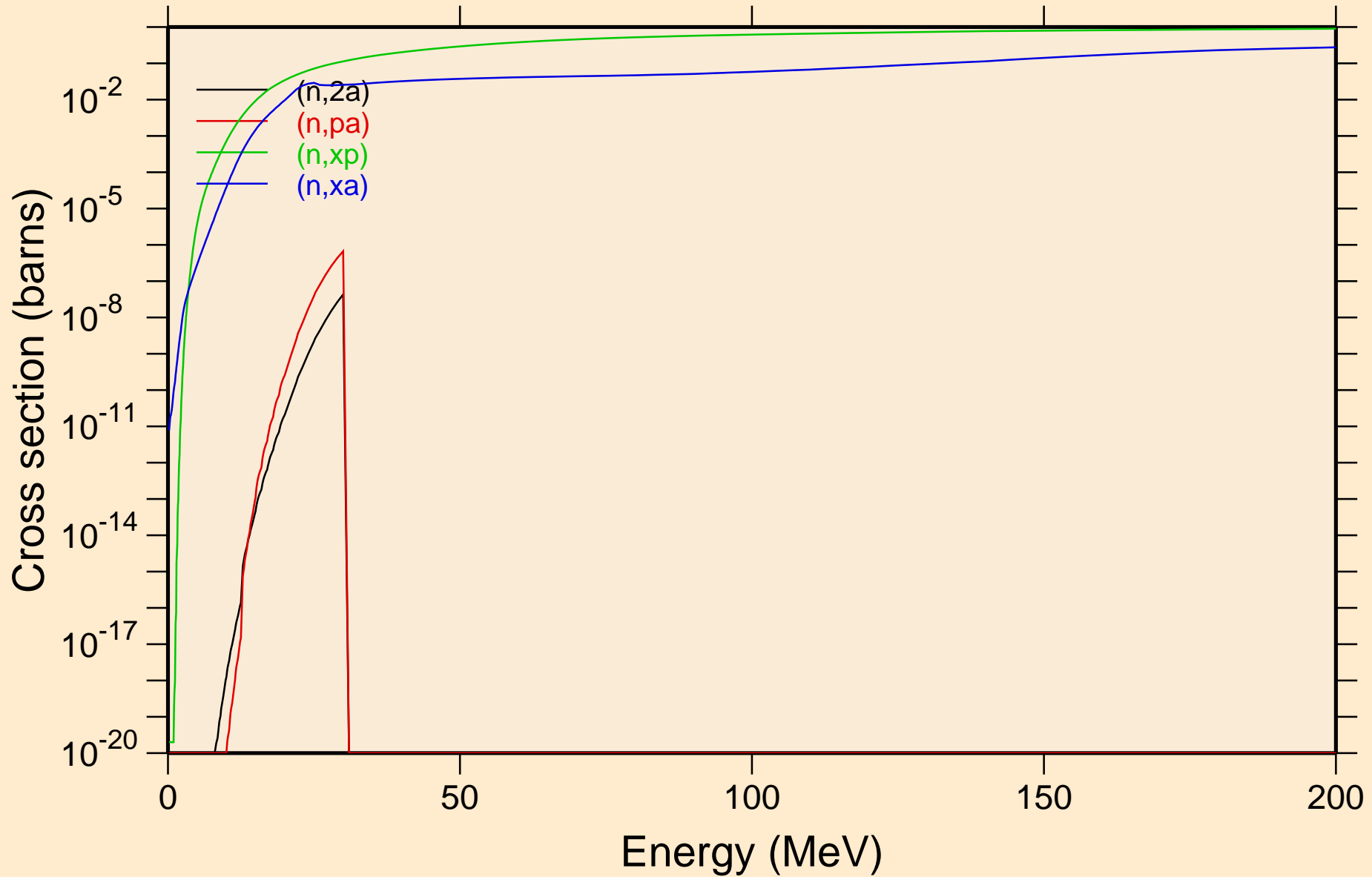


# HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

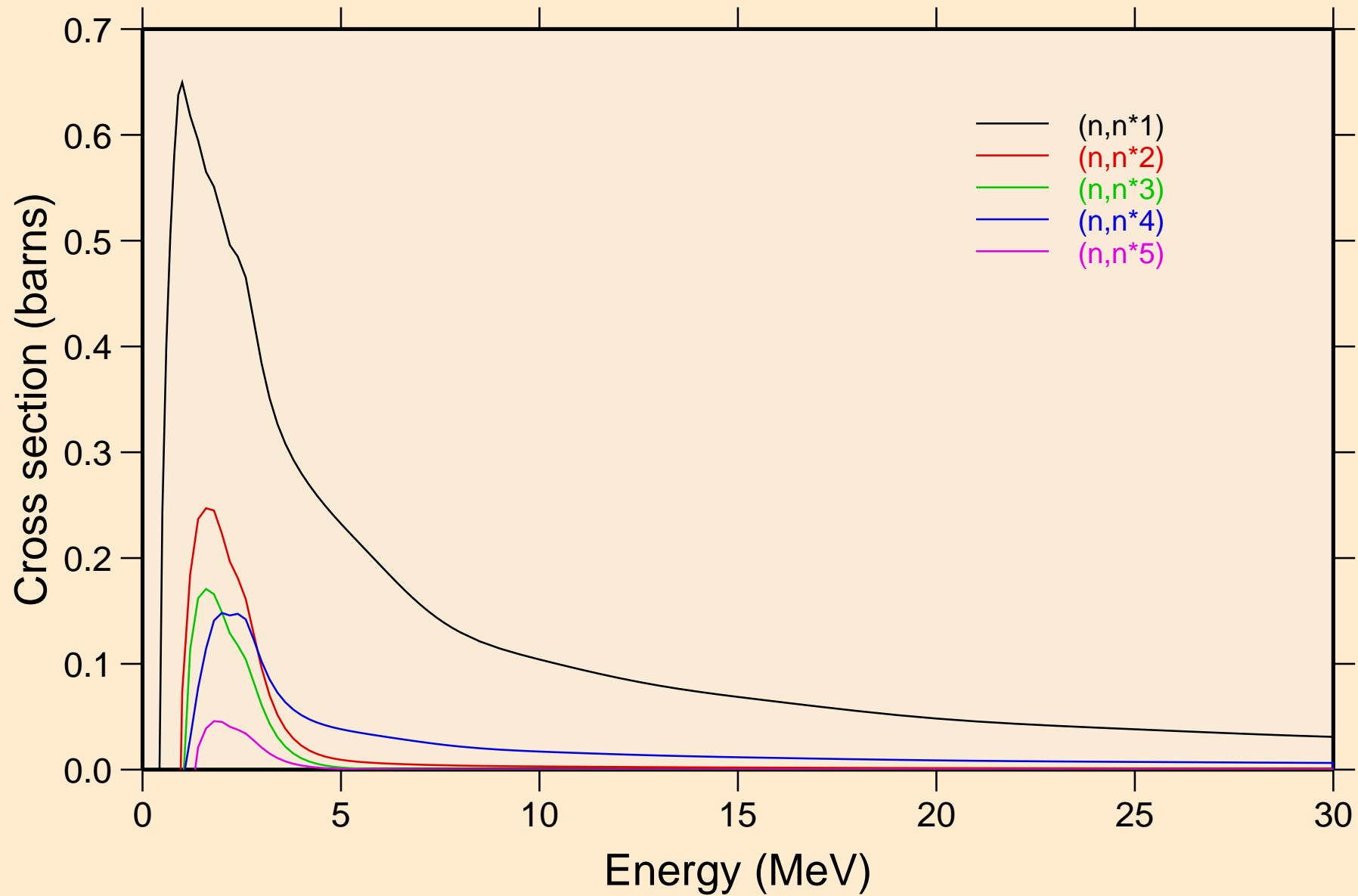


HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



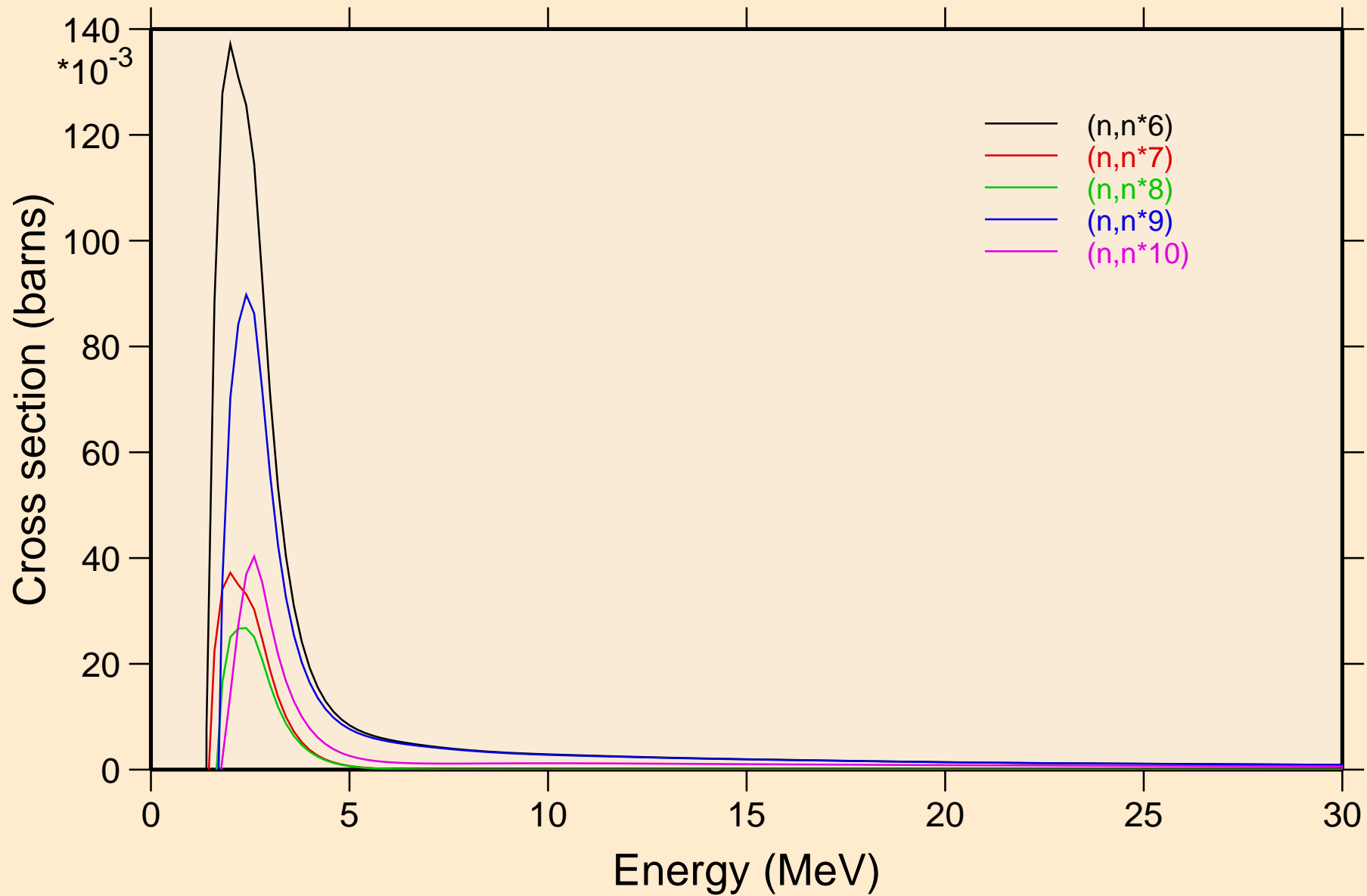


HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



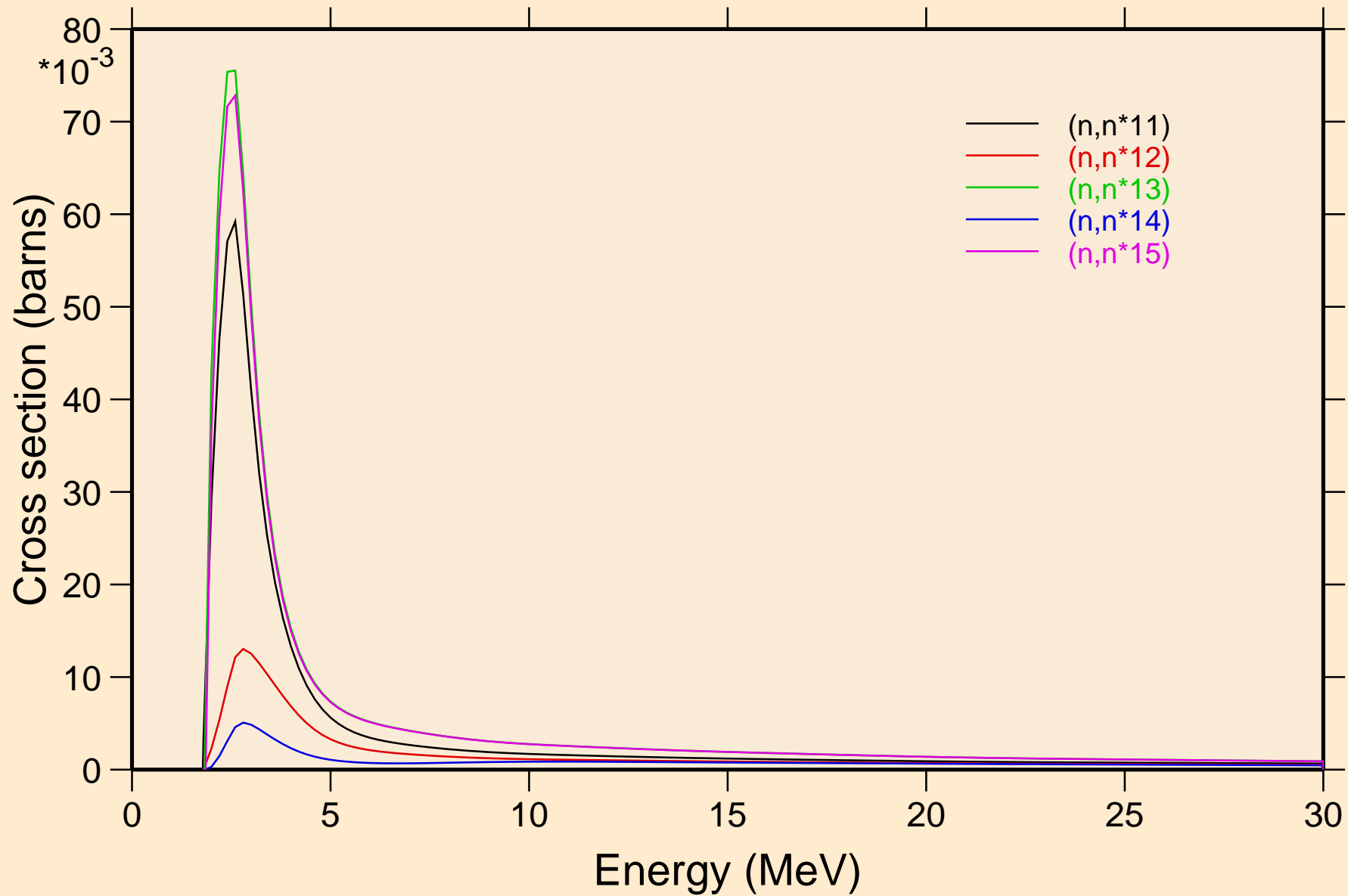
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## Inelastic levels



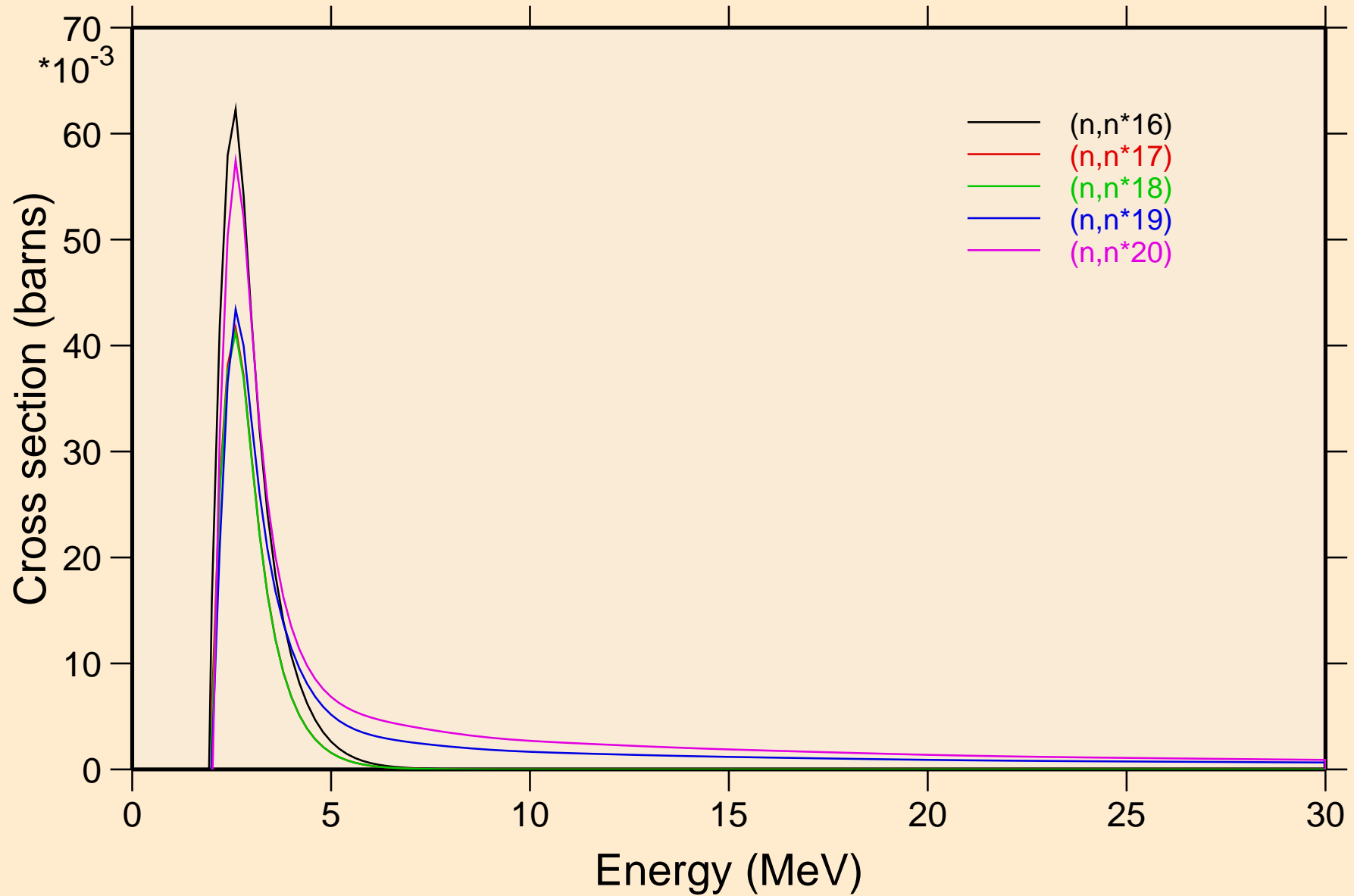
# HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels

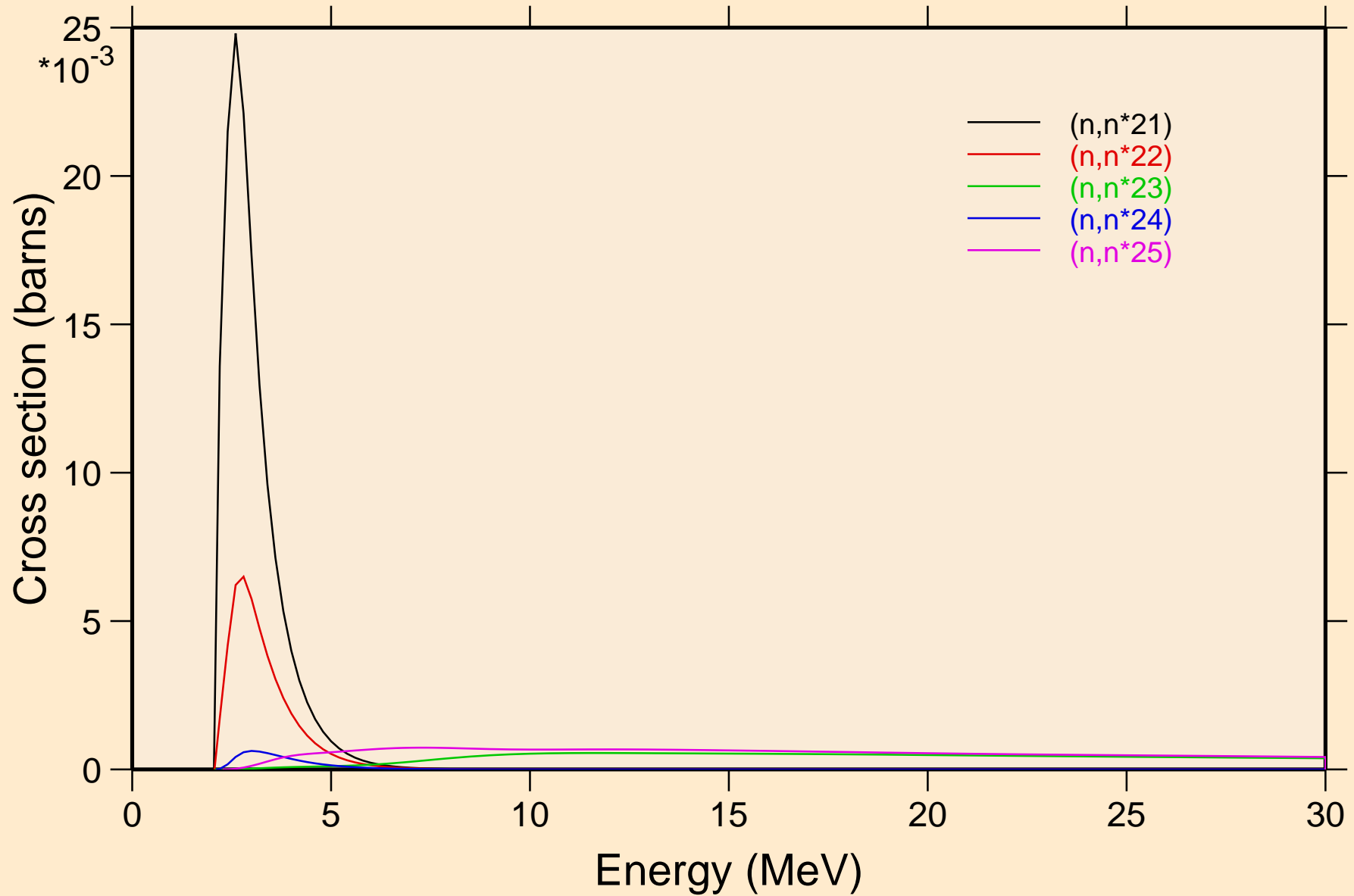


# HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

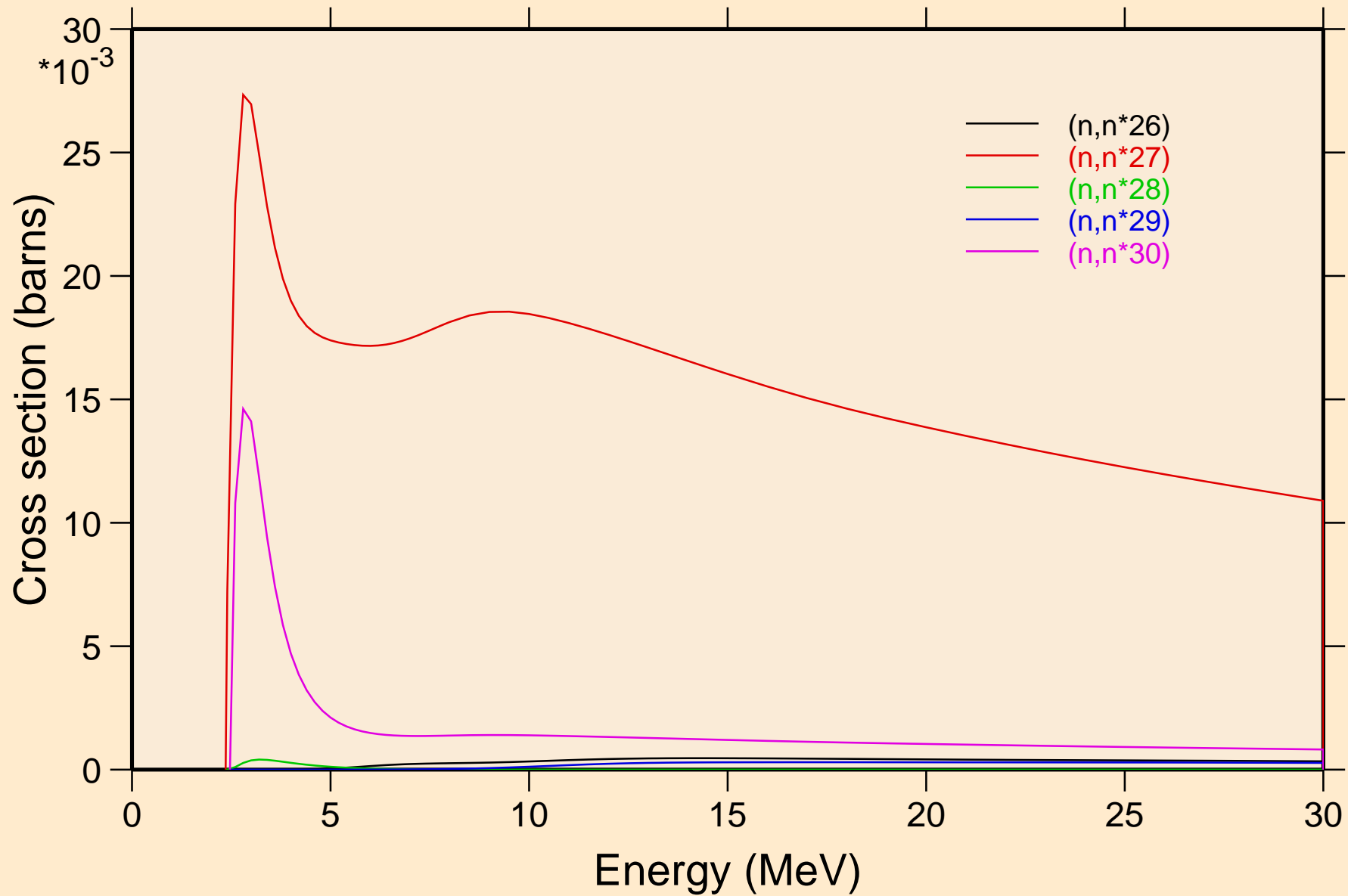
## Inelastic levels



HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

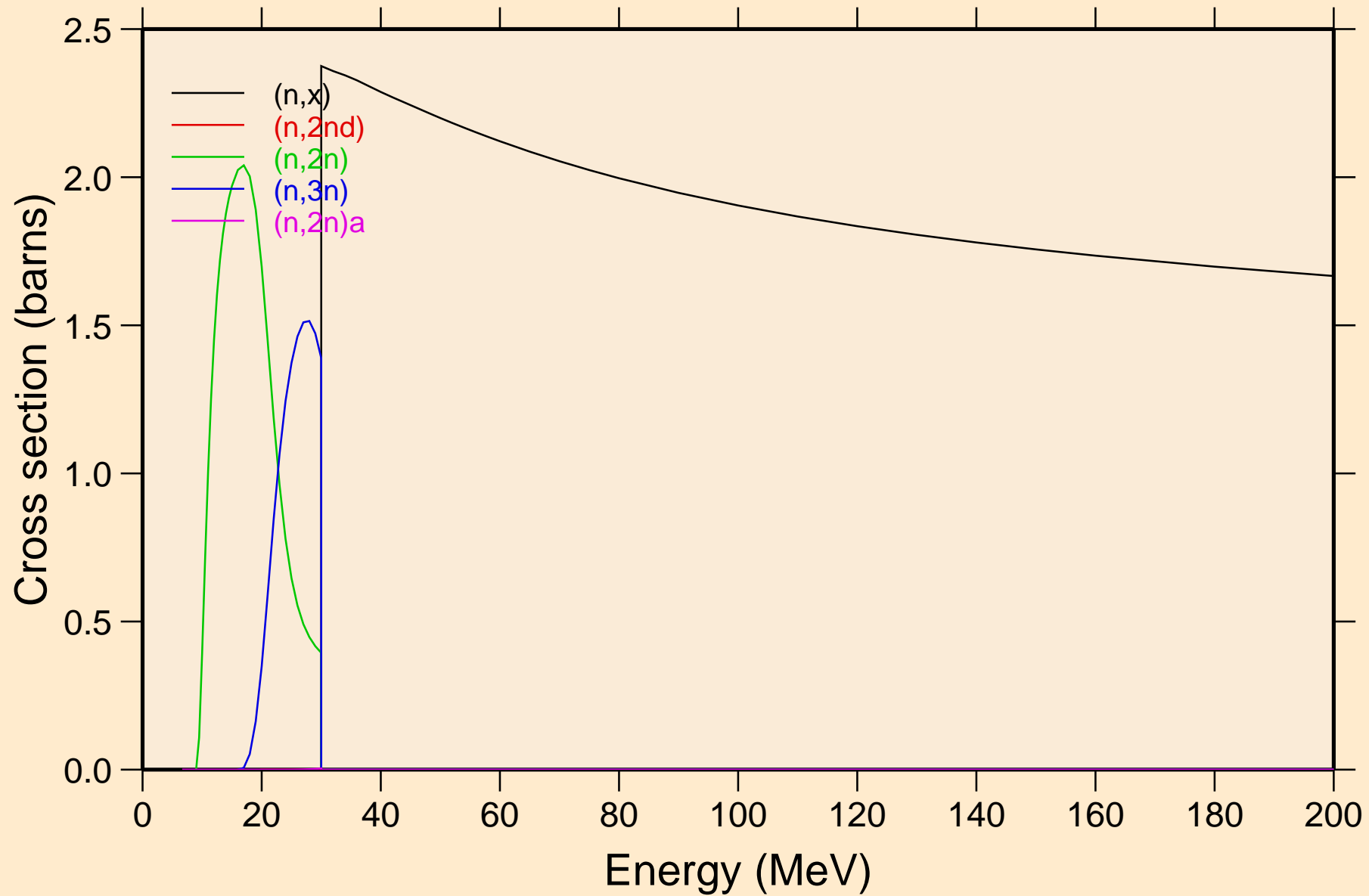


HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



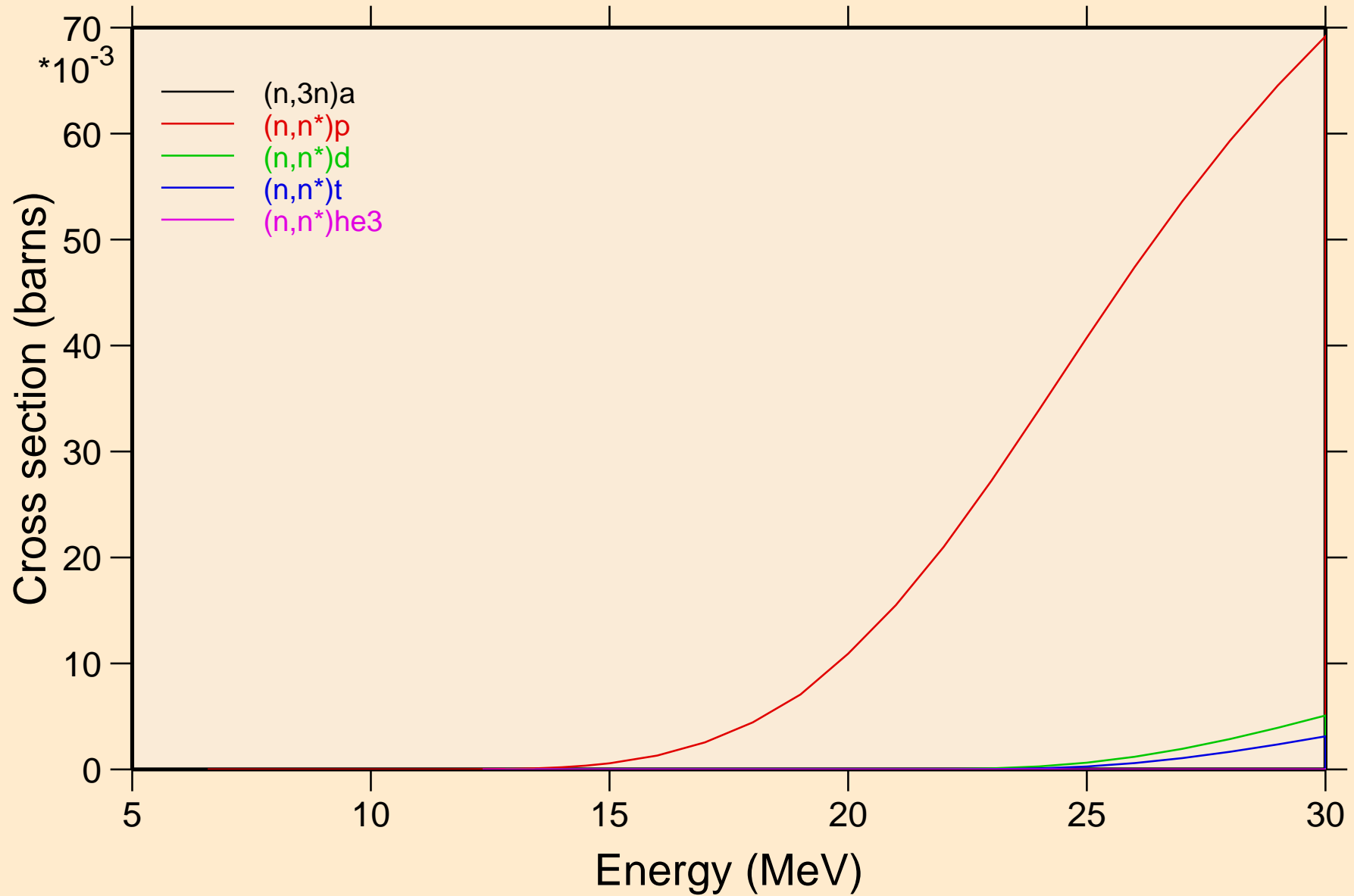
# HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



# HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

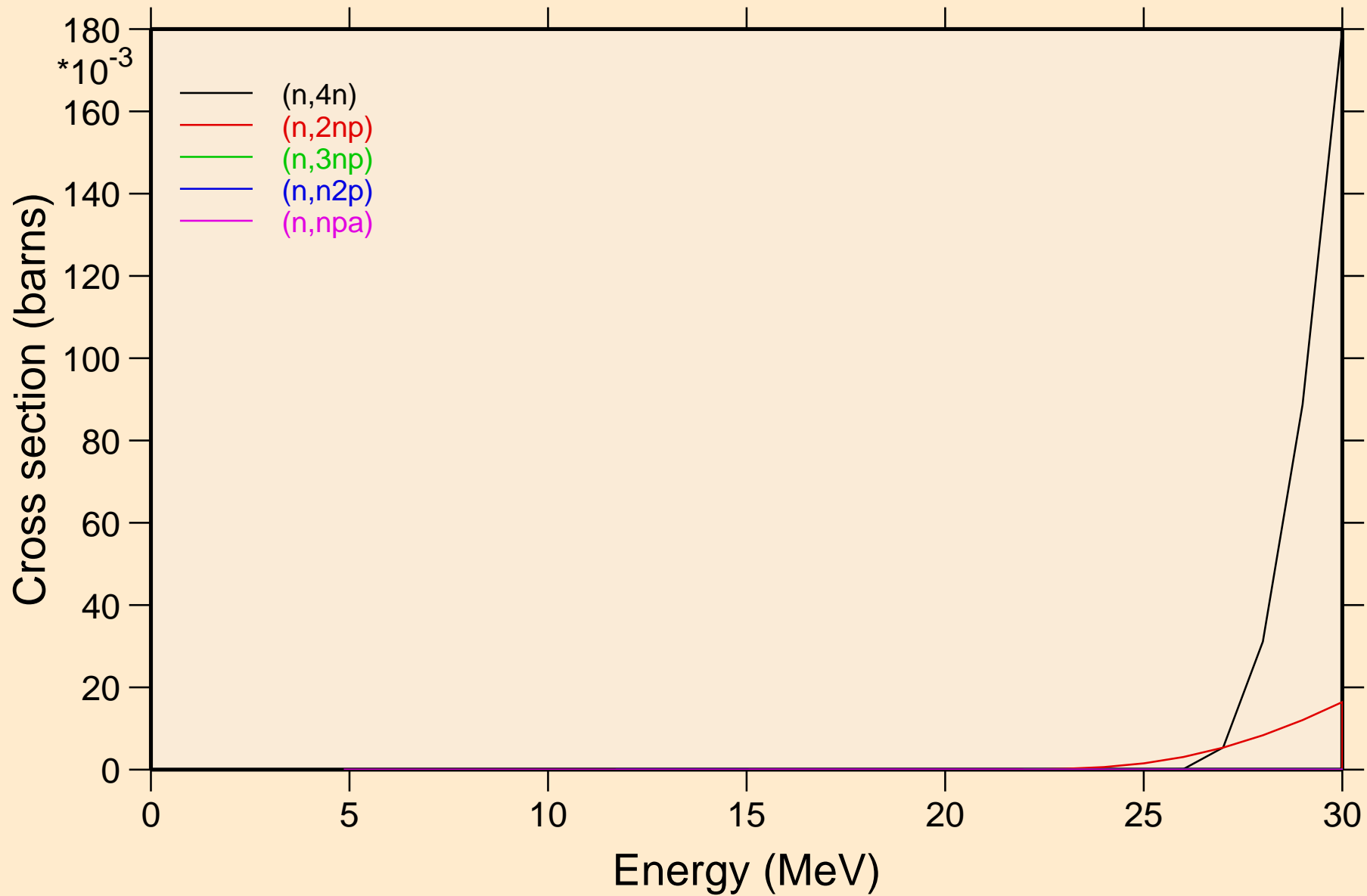
## Threshold reactions





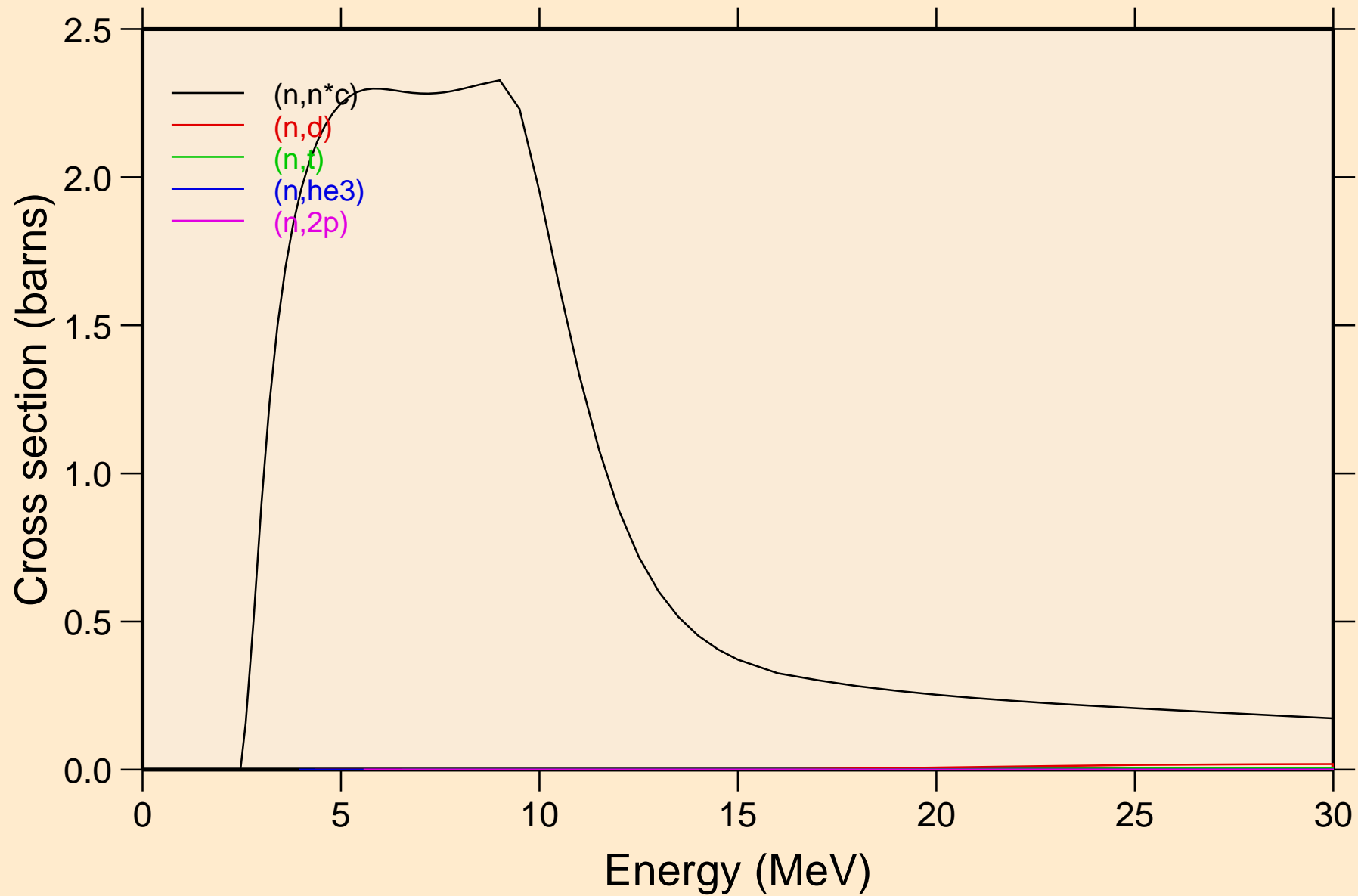
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## Threshold reactions



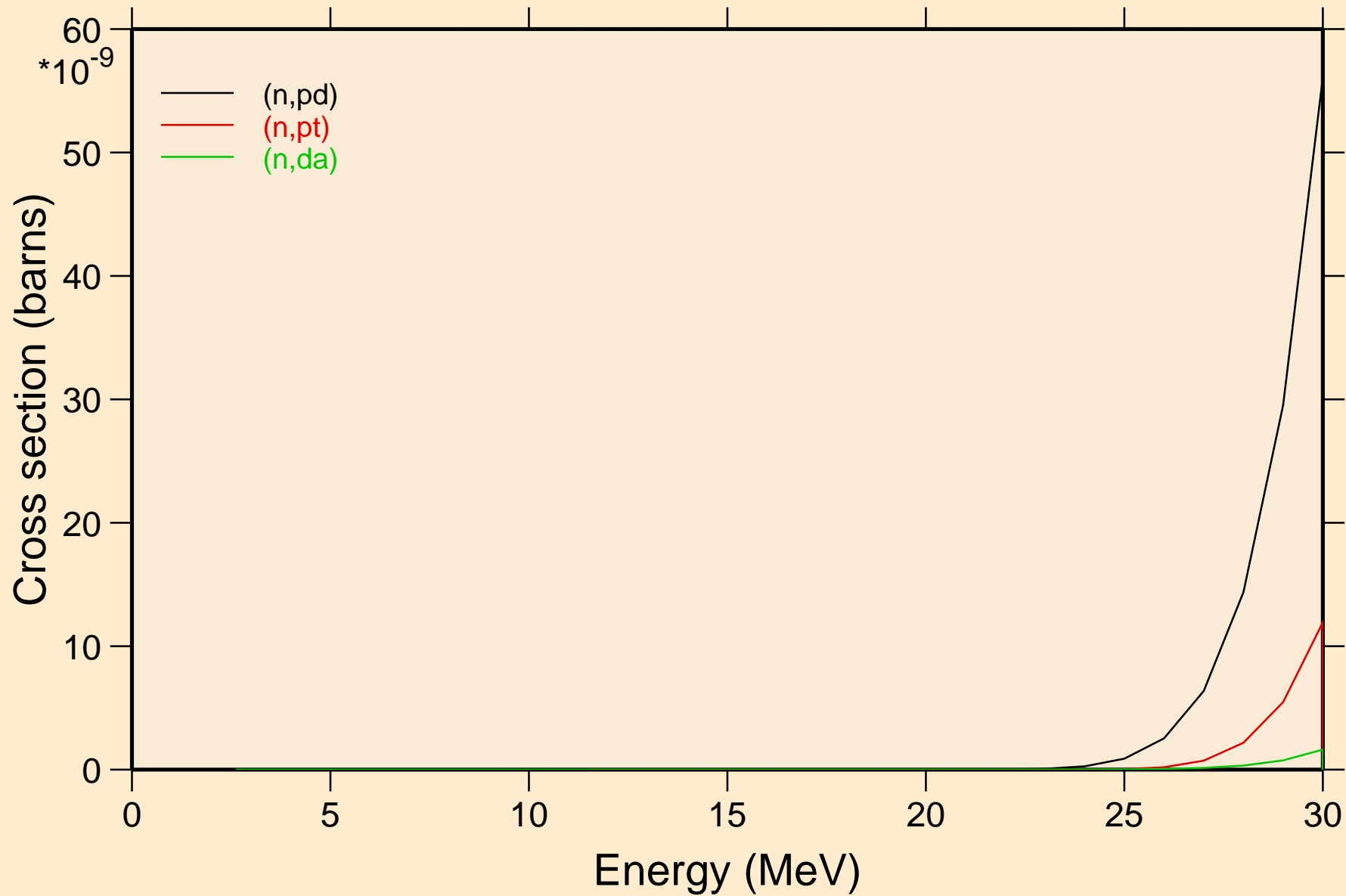
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## Threshold reactions



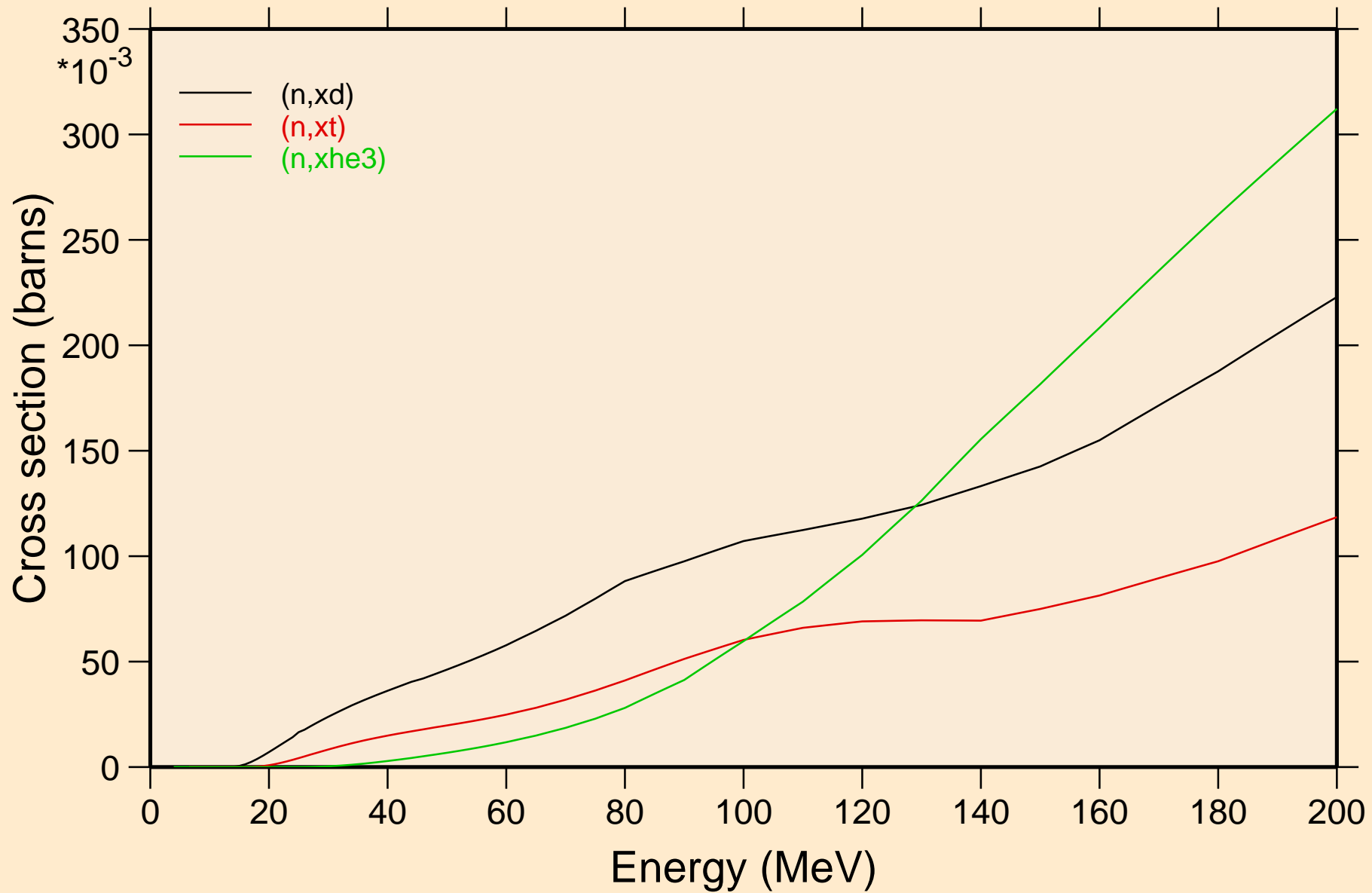
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## Threshold reactions

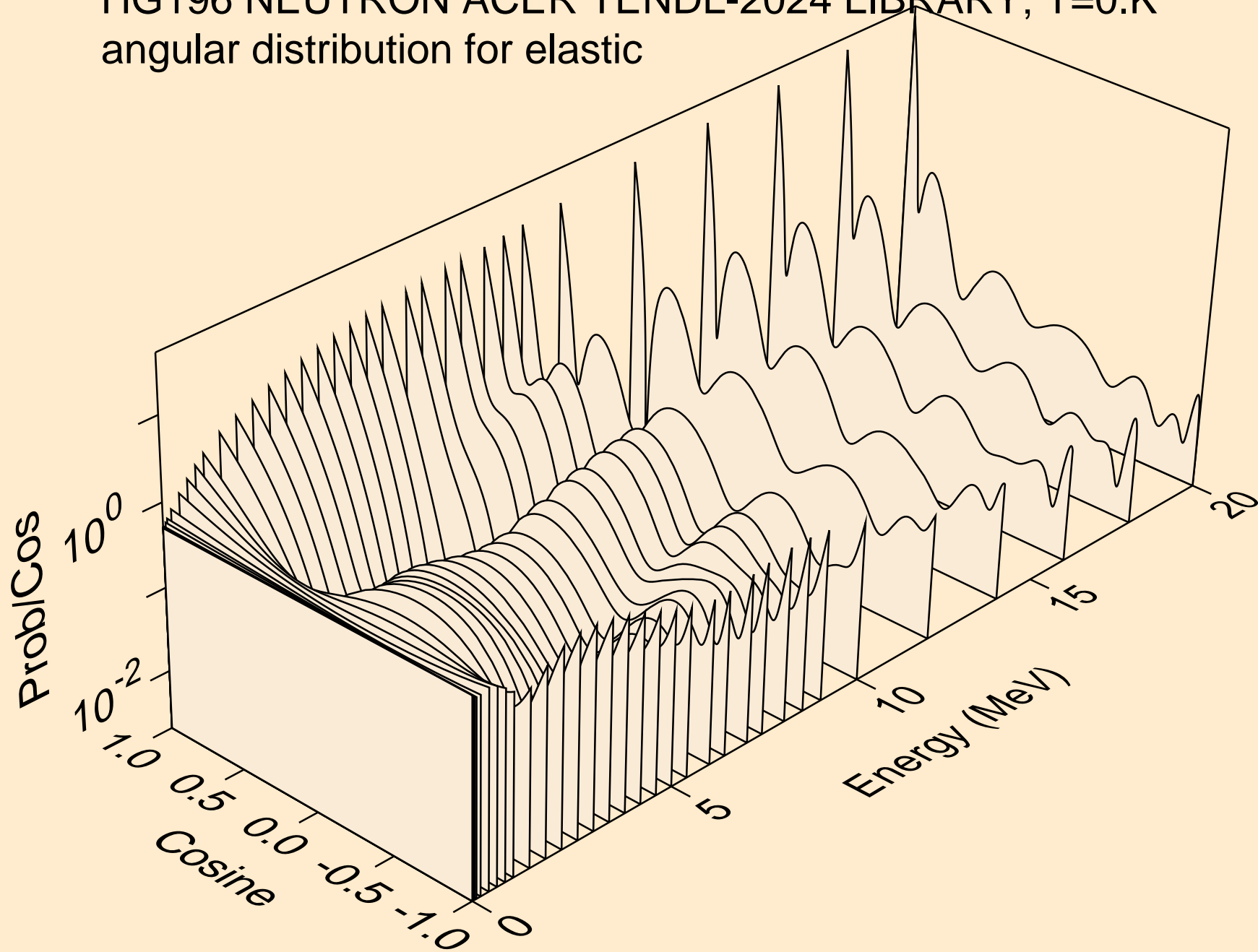


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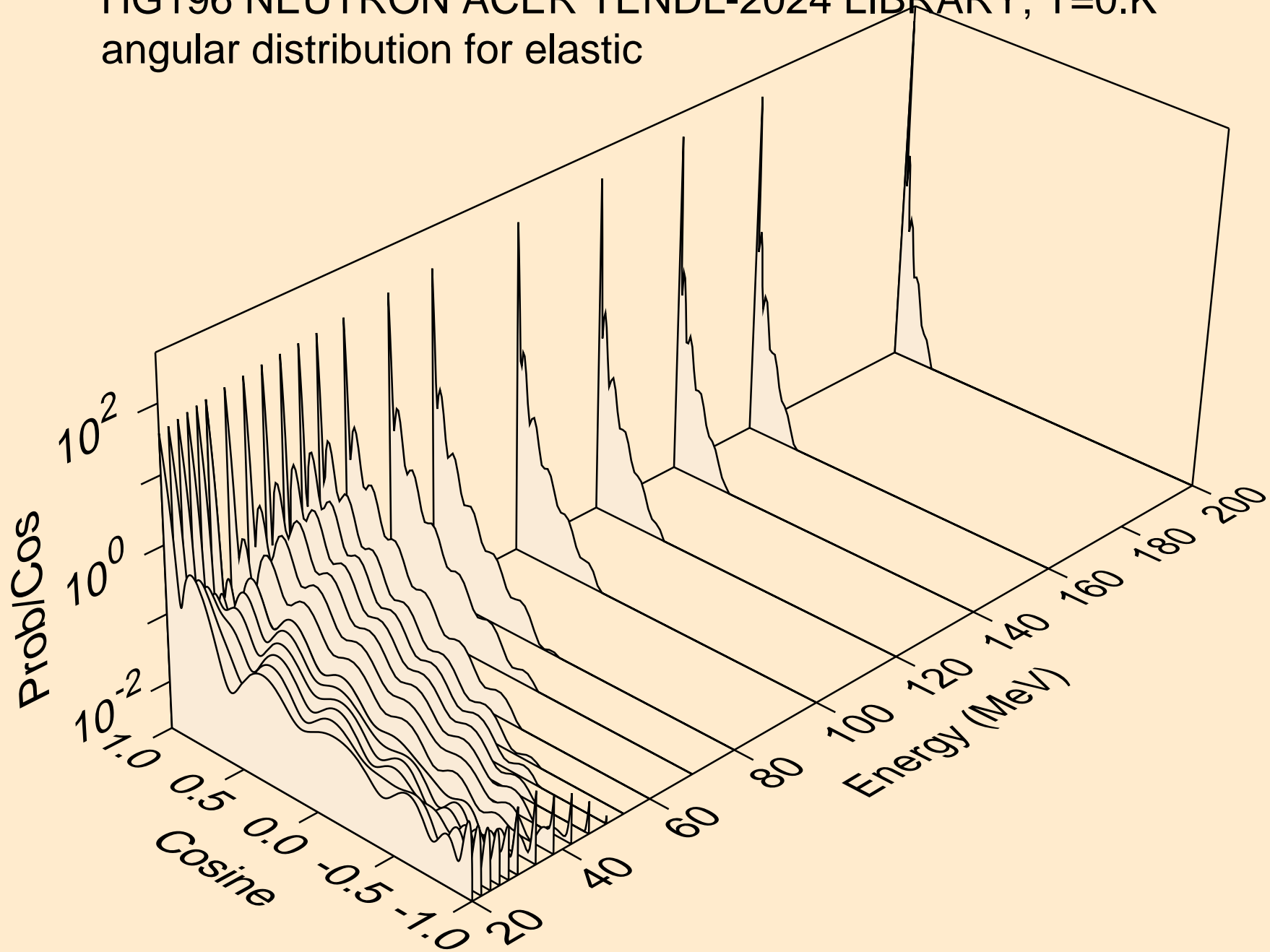
## Threshold reactions



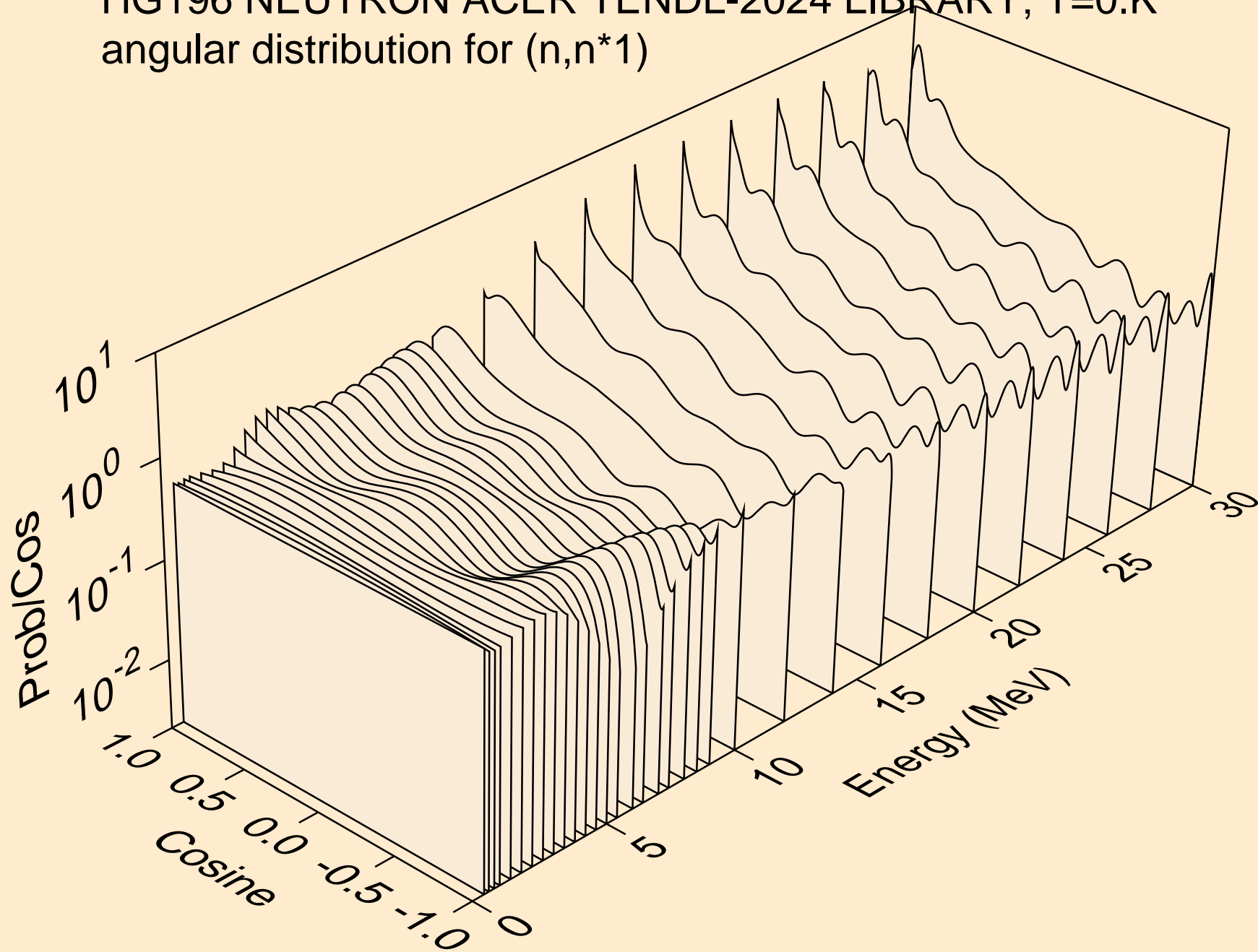
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



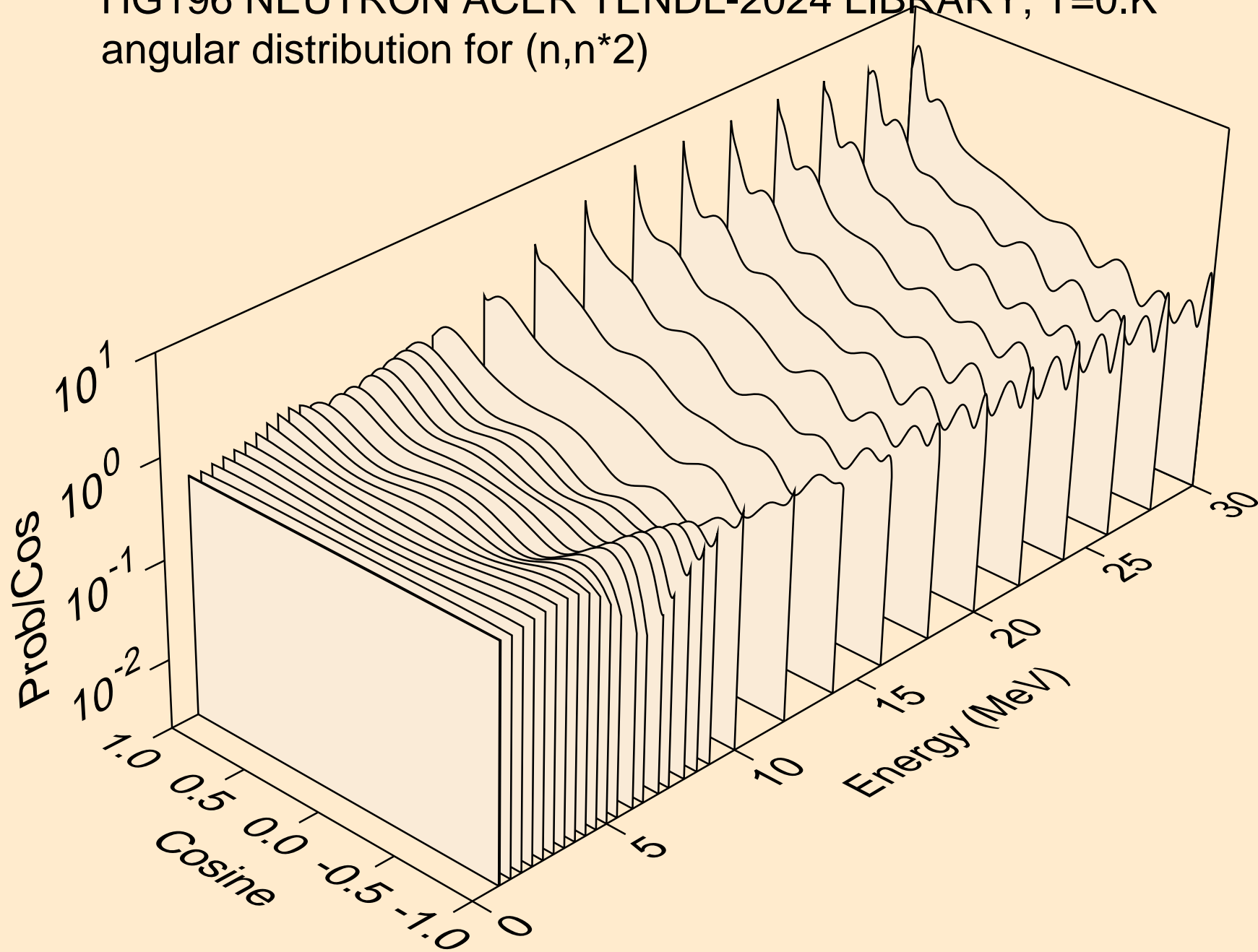
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

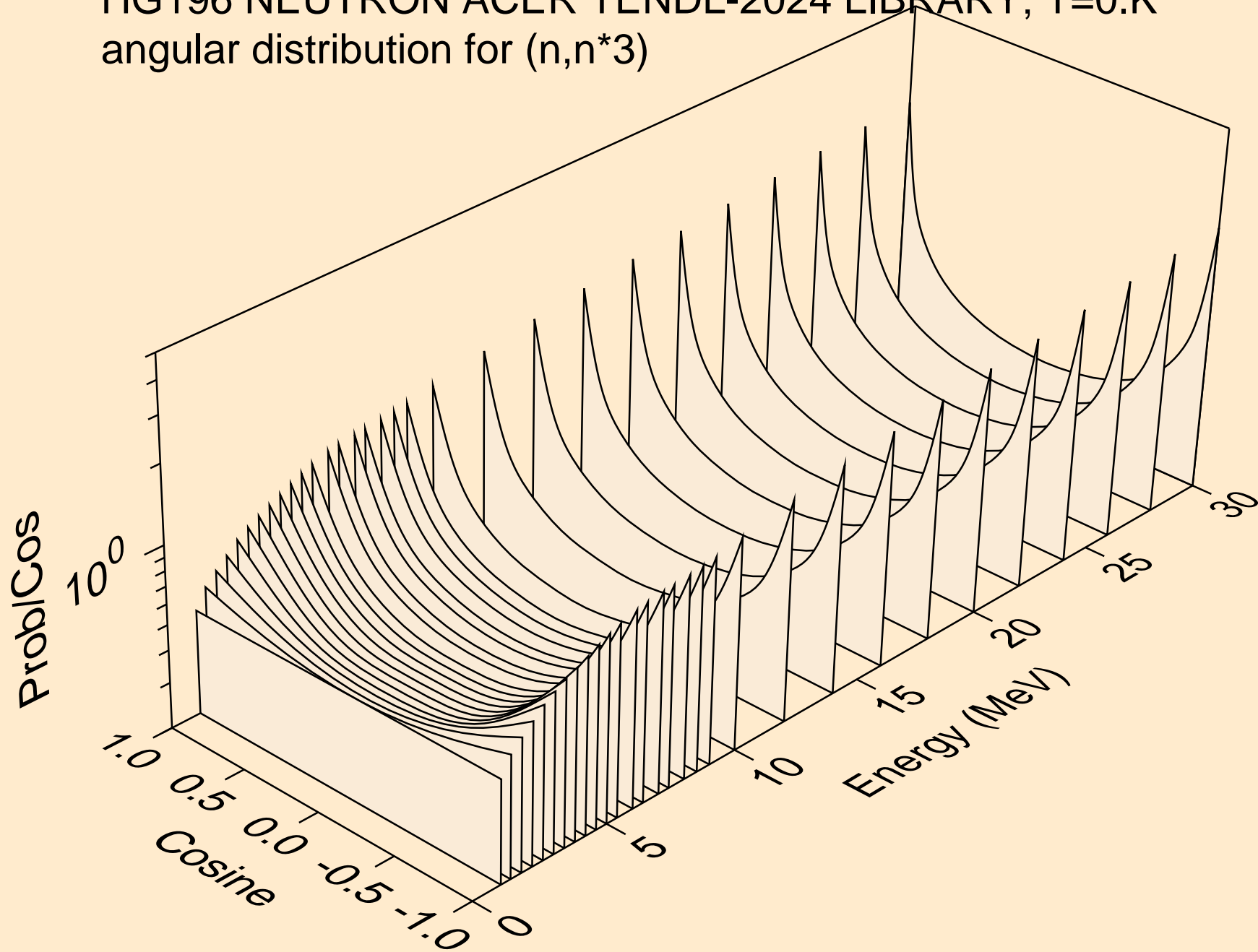


HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

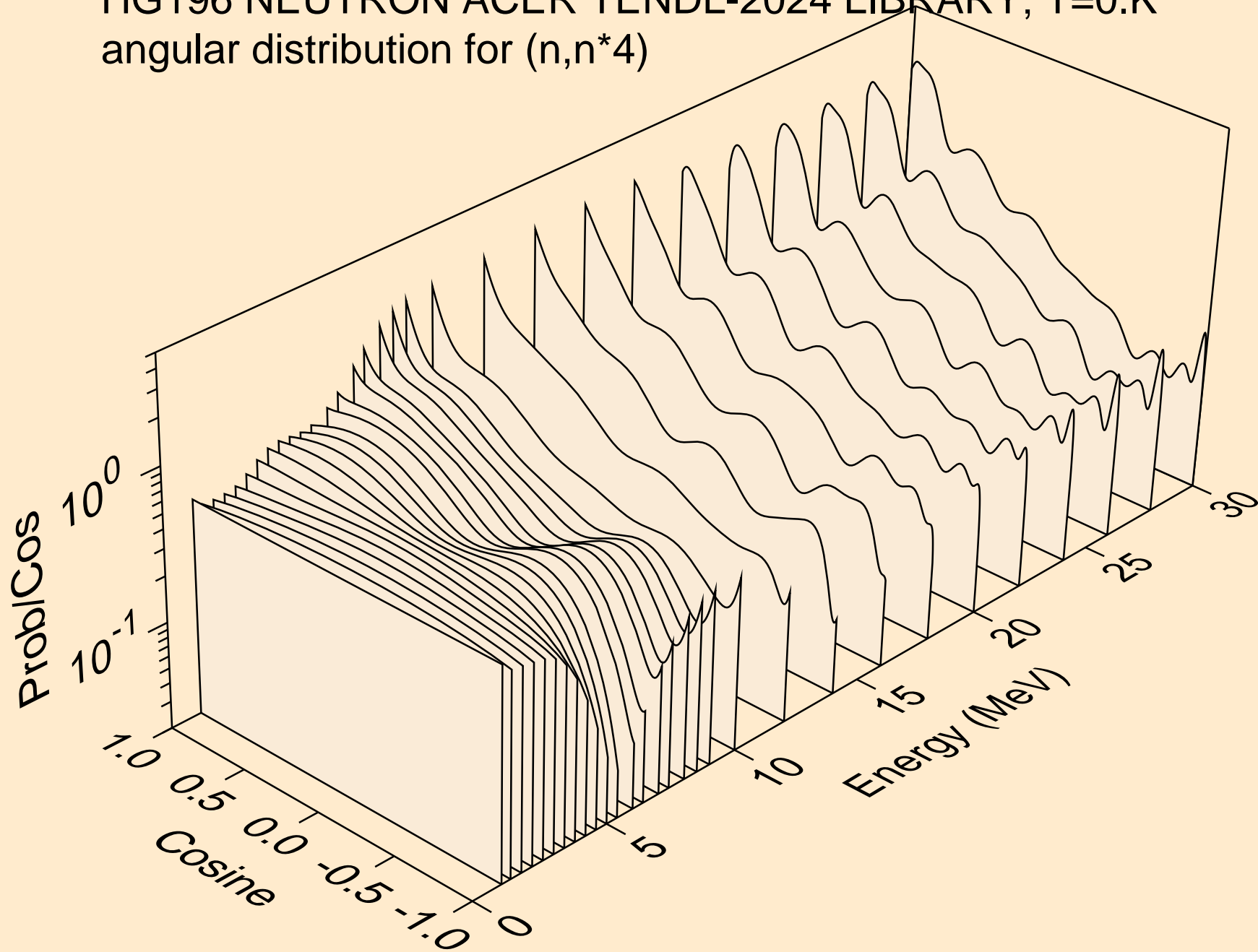




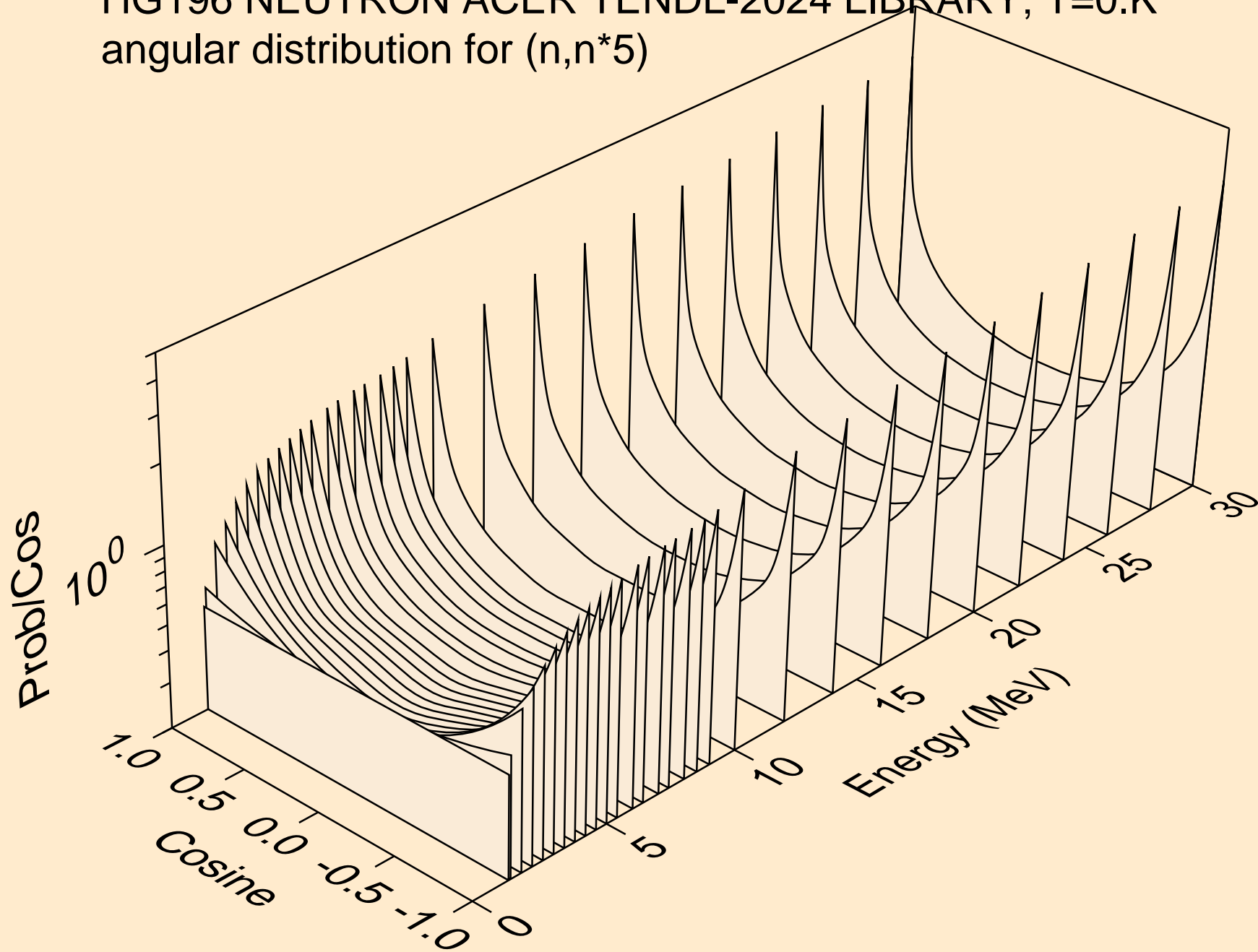
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



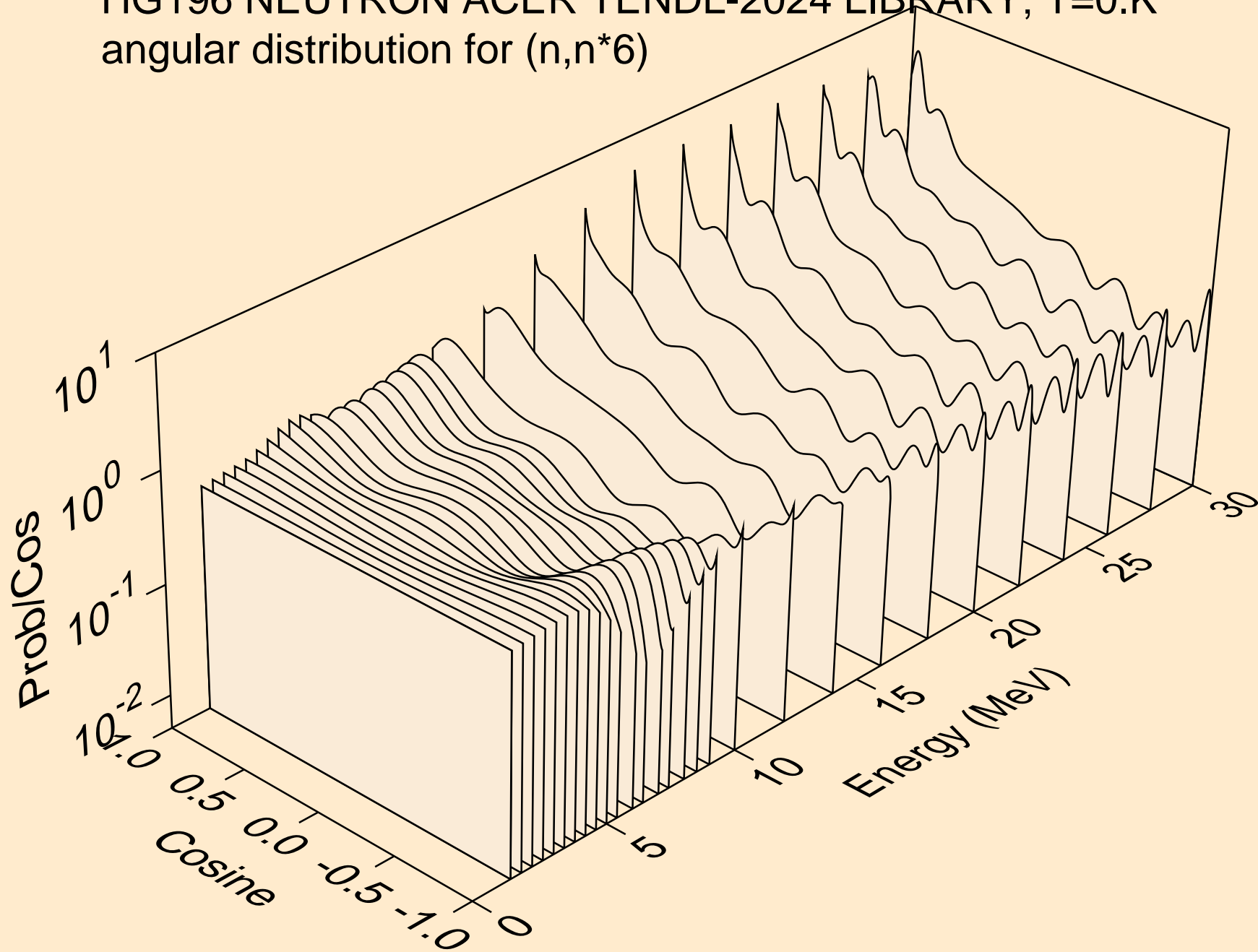
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



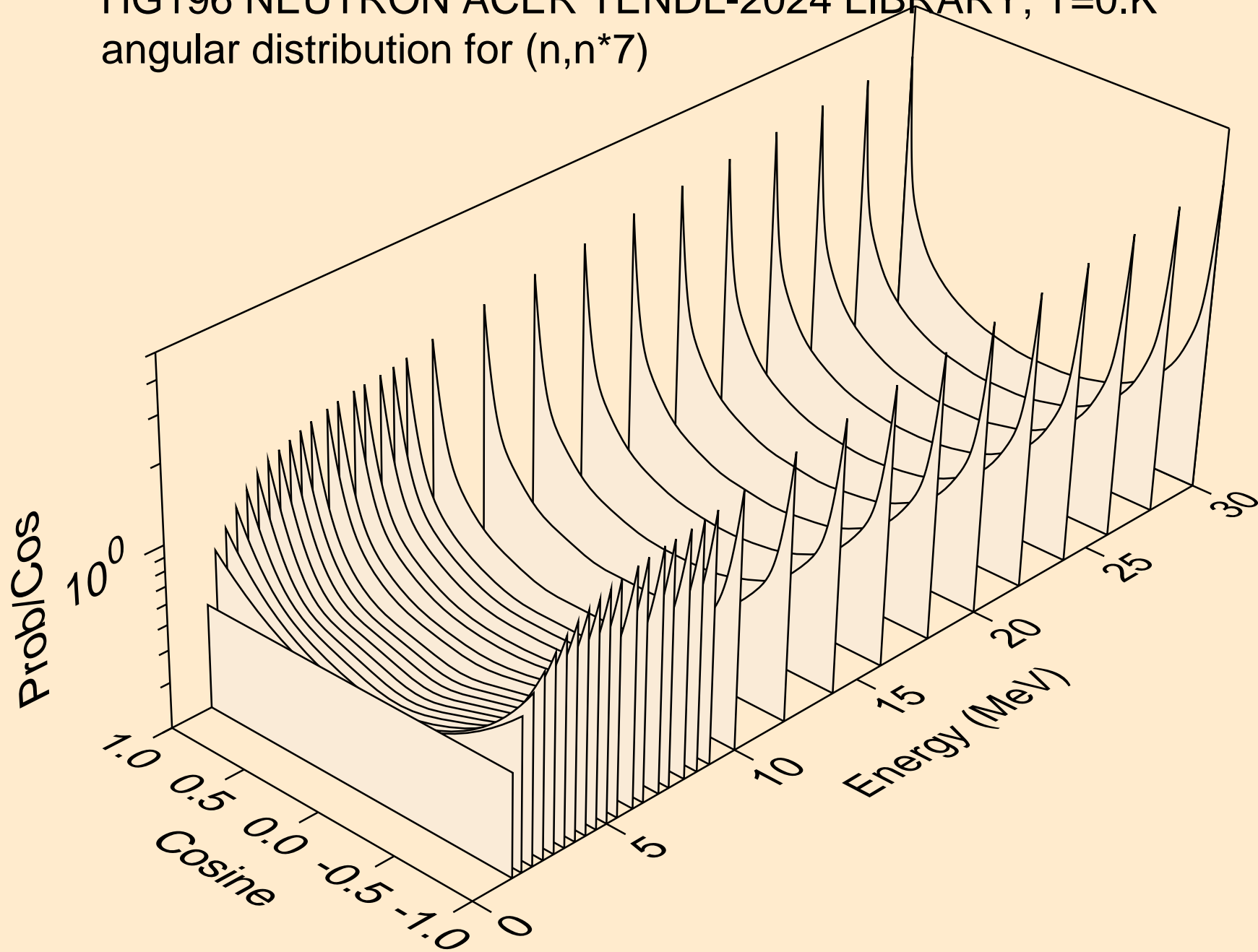
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



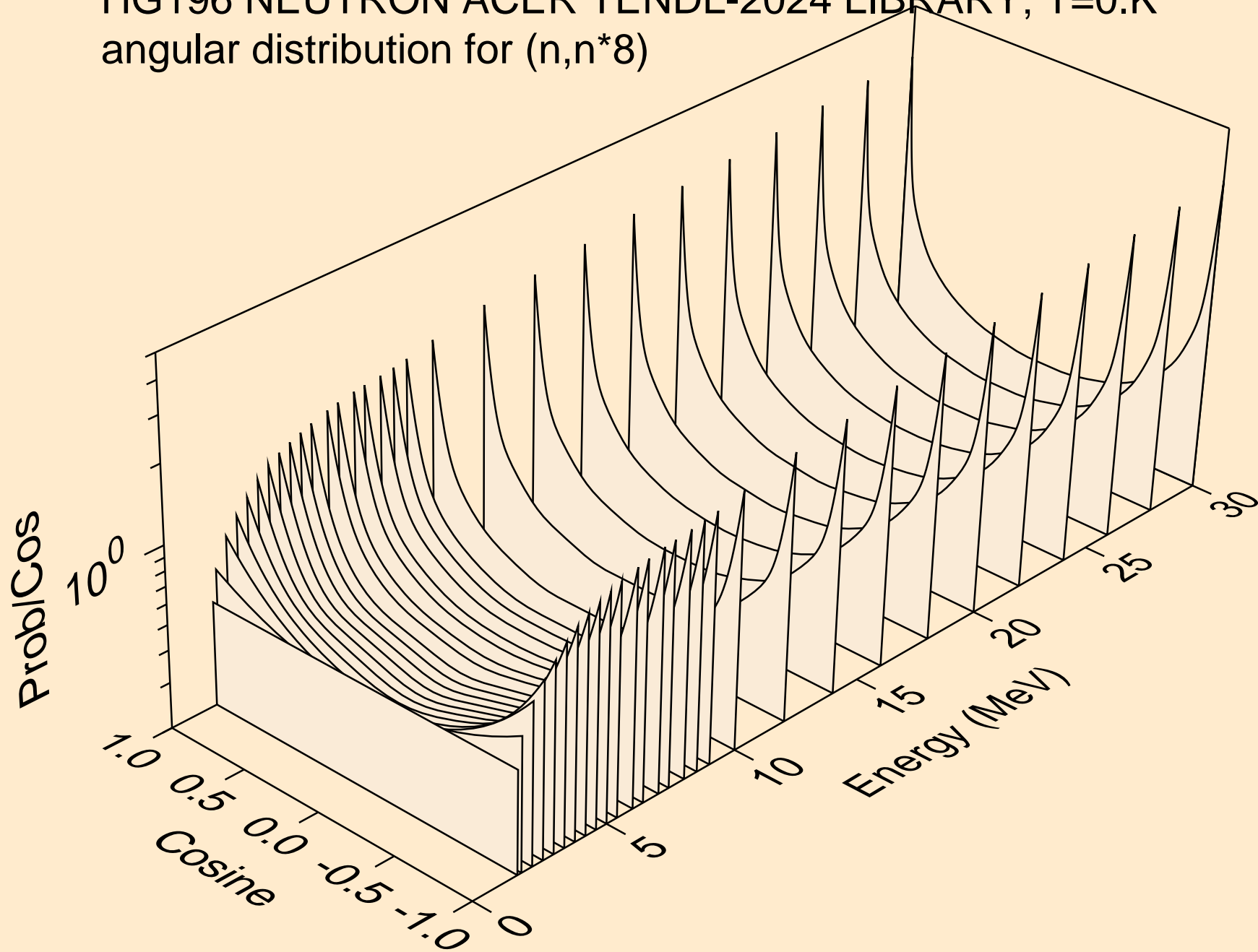
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



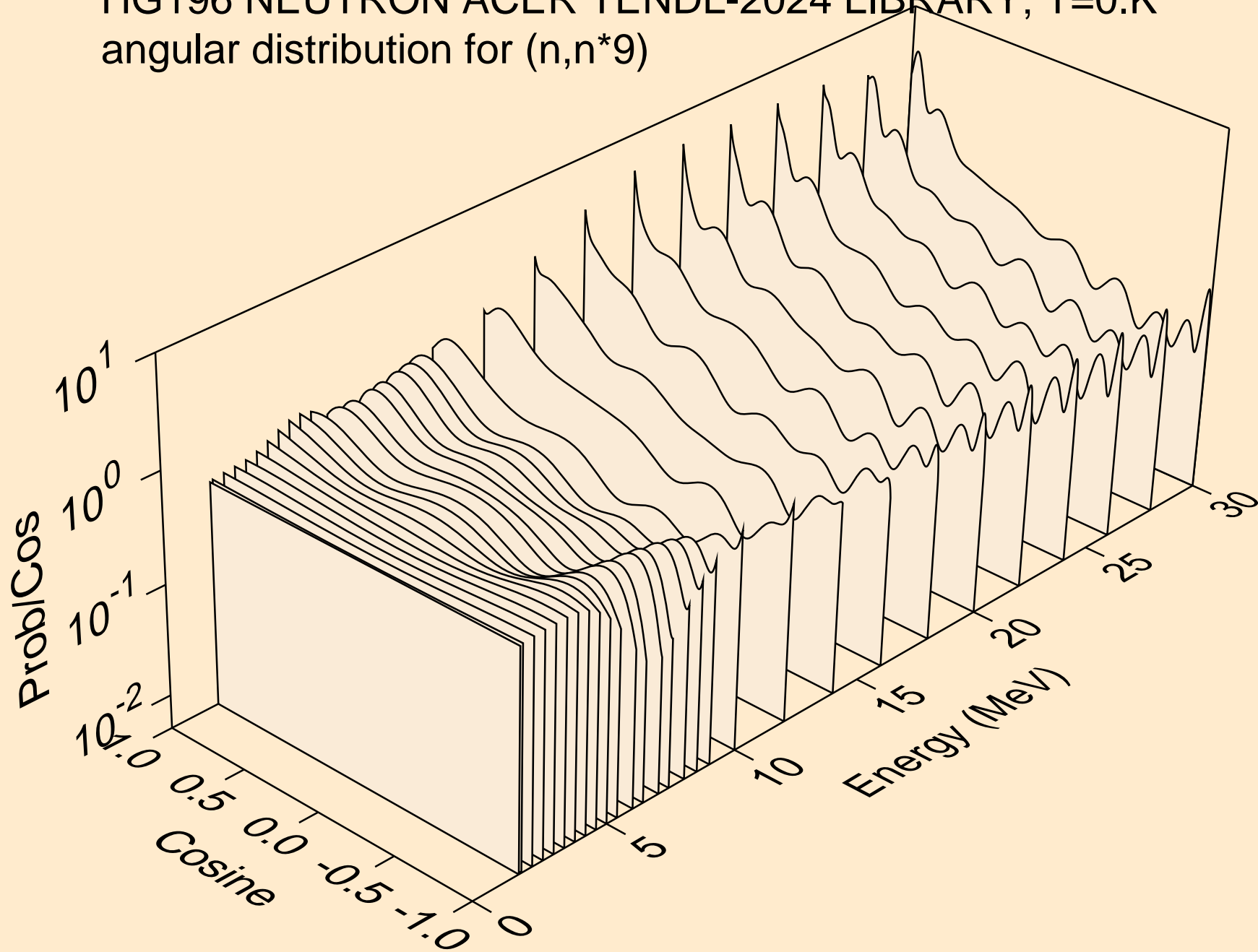
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



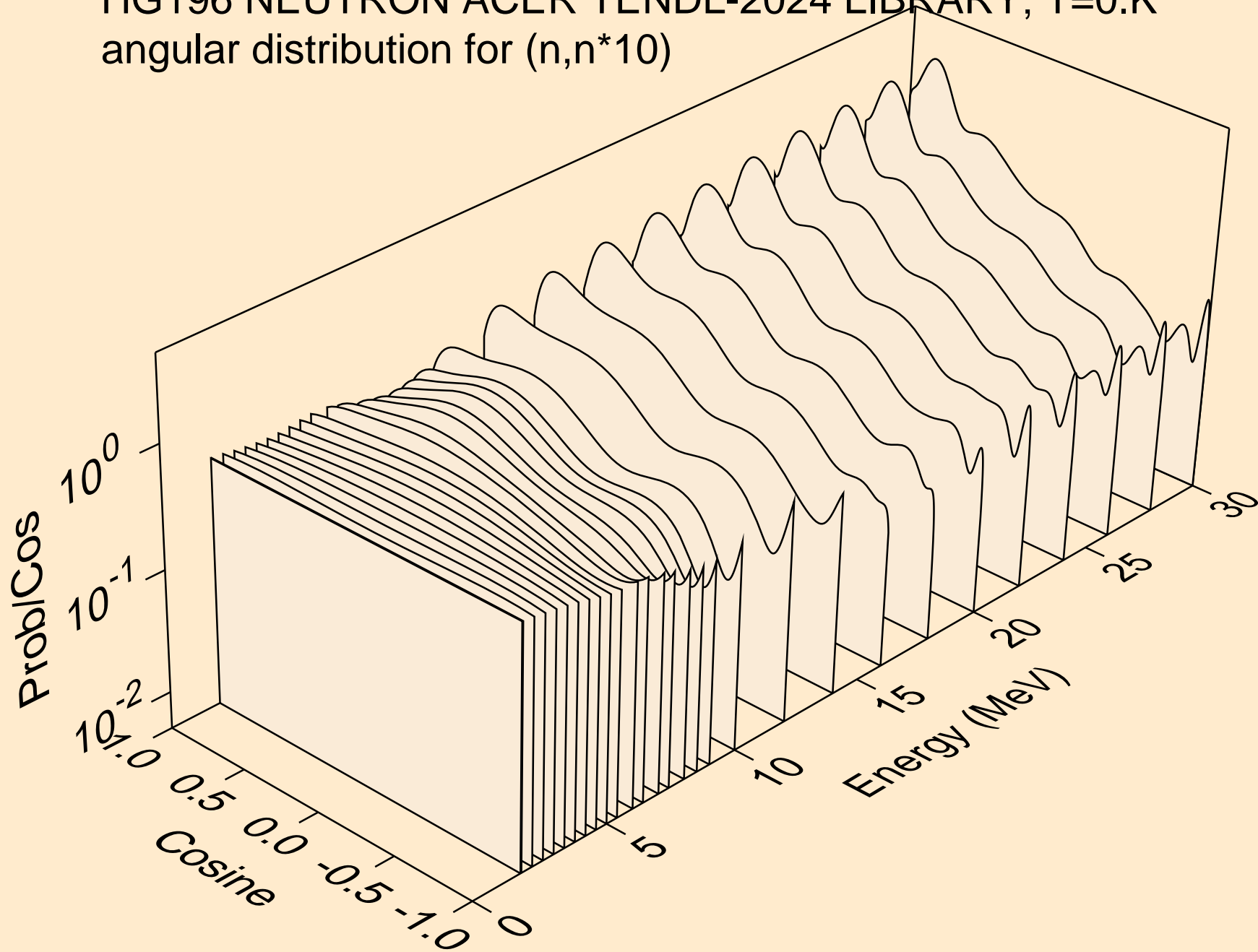
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

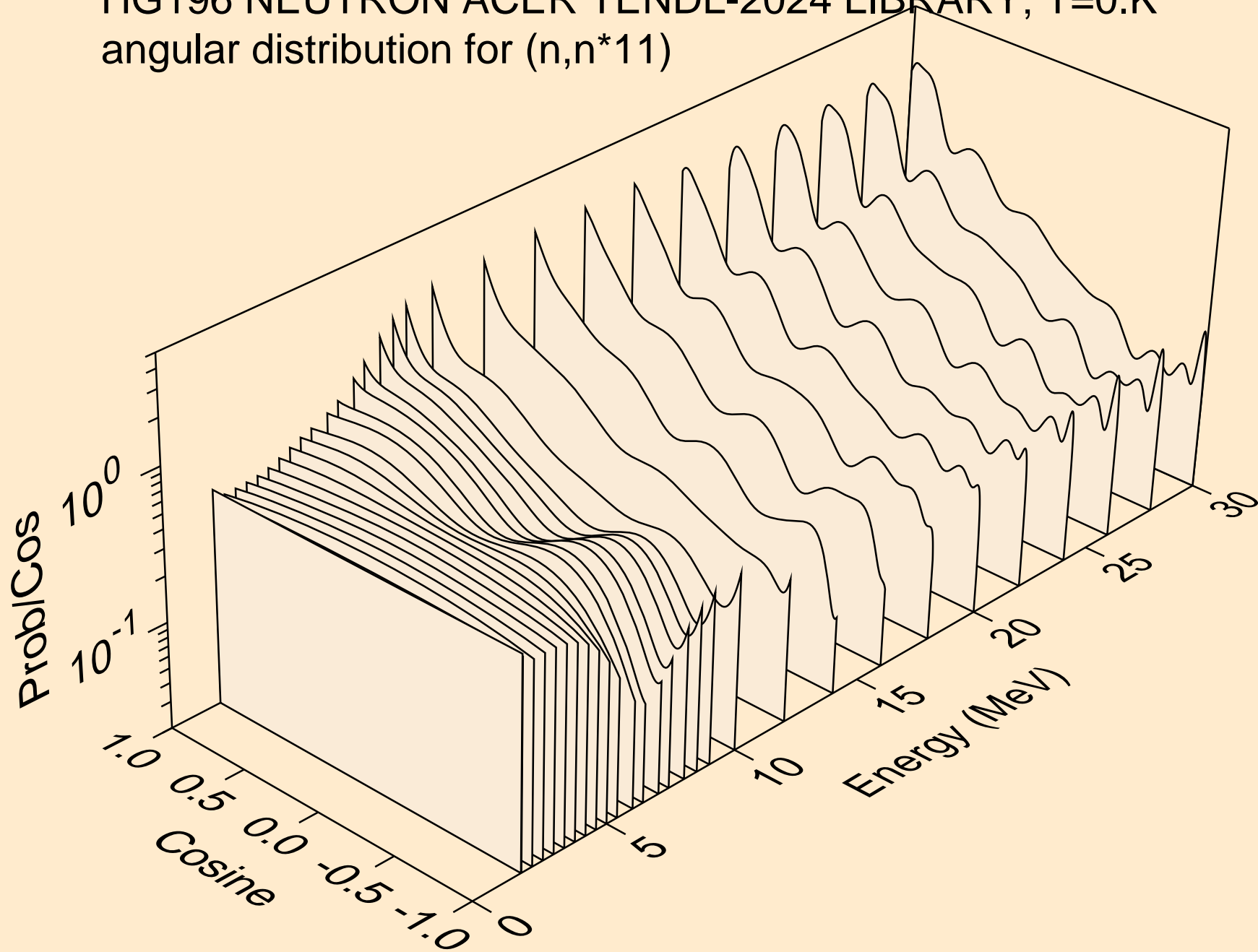


HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

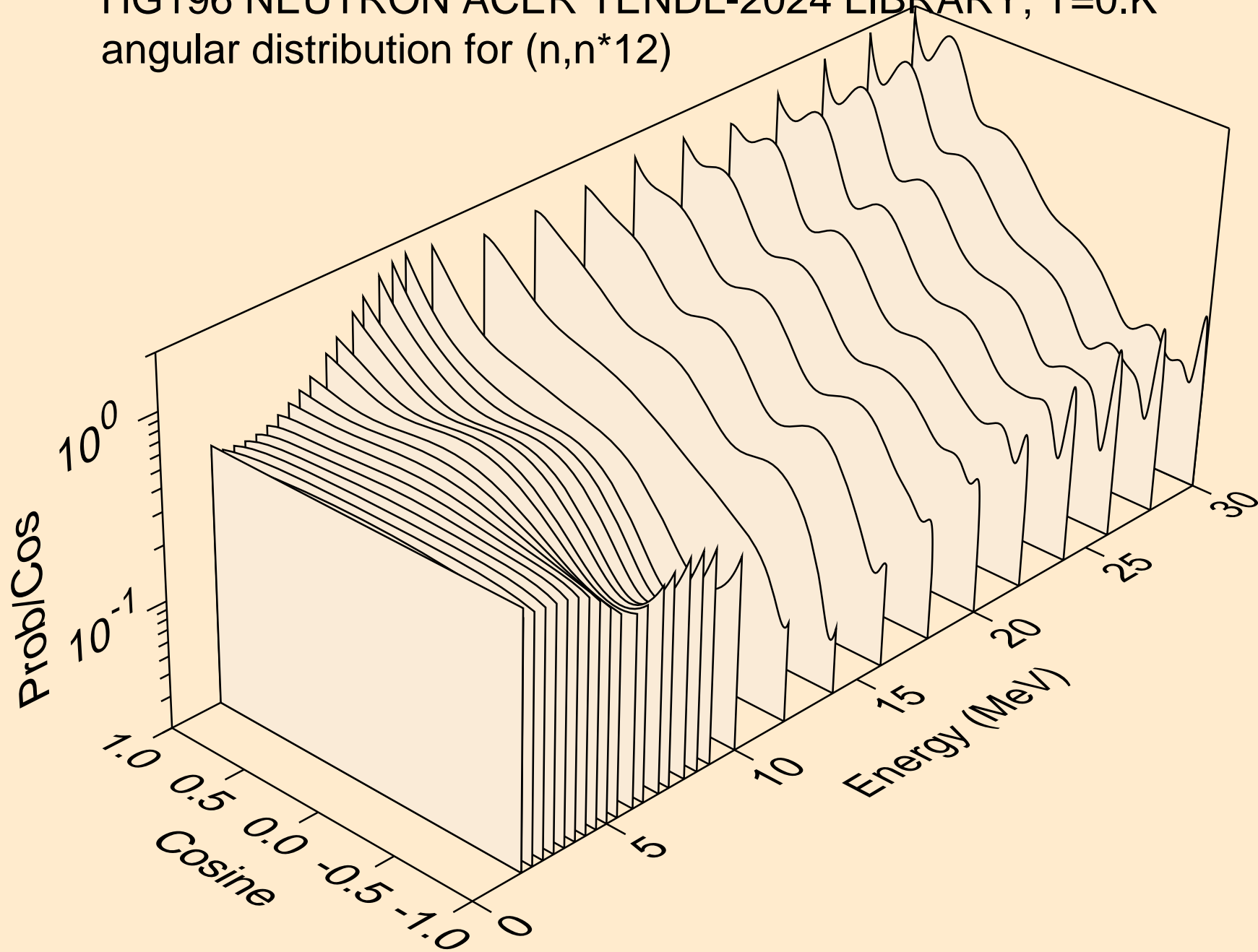




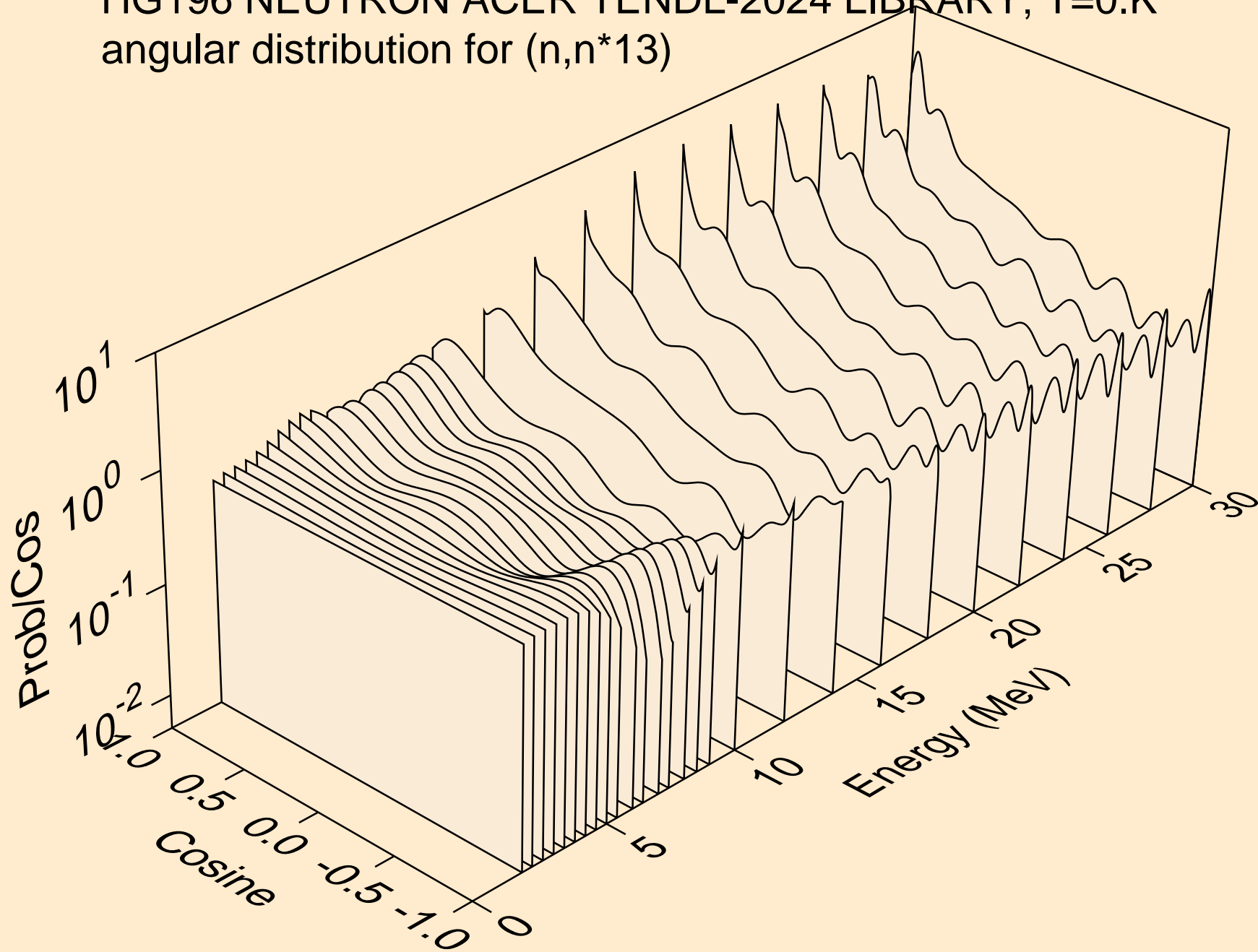
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



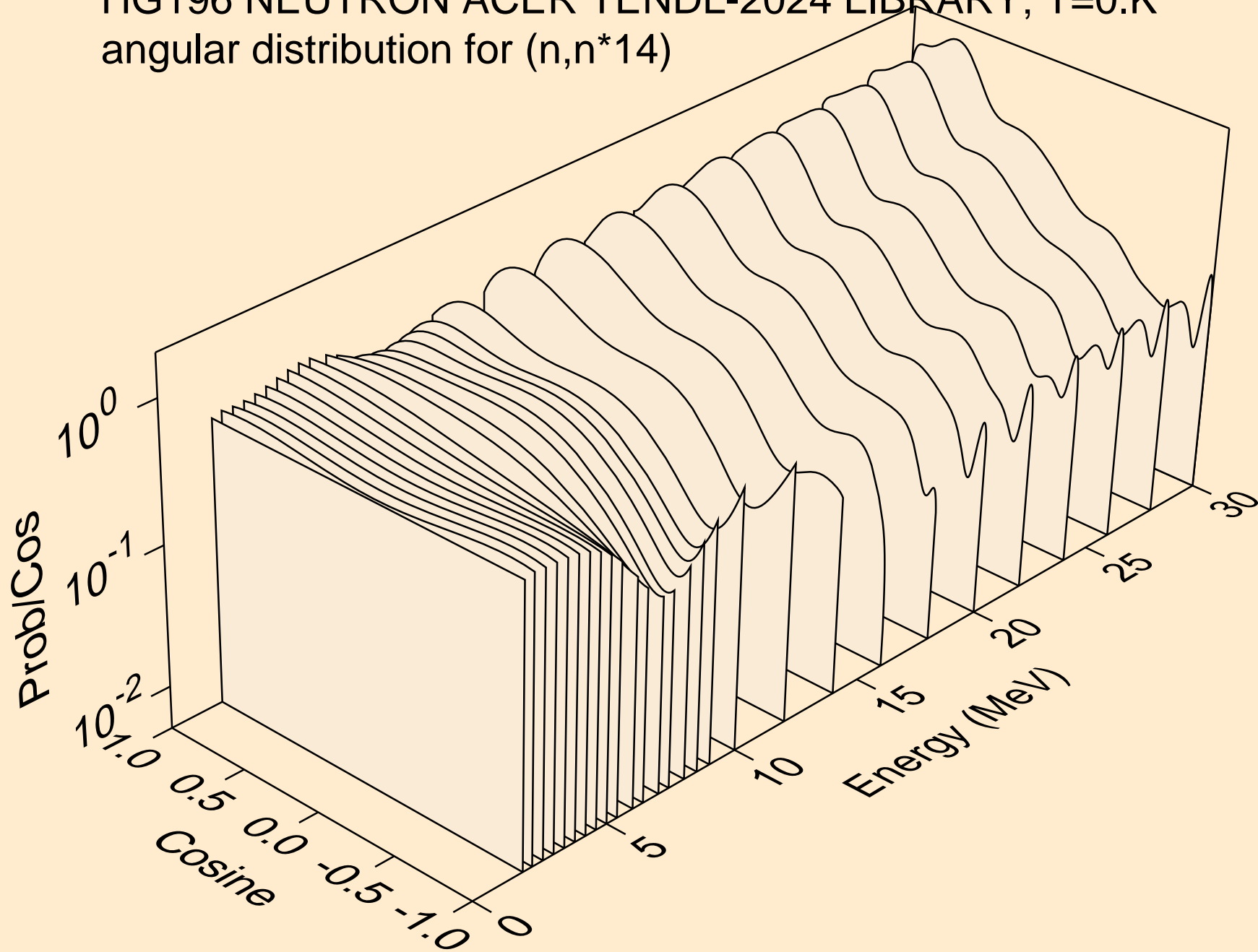
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



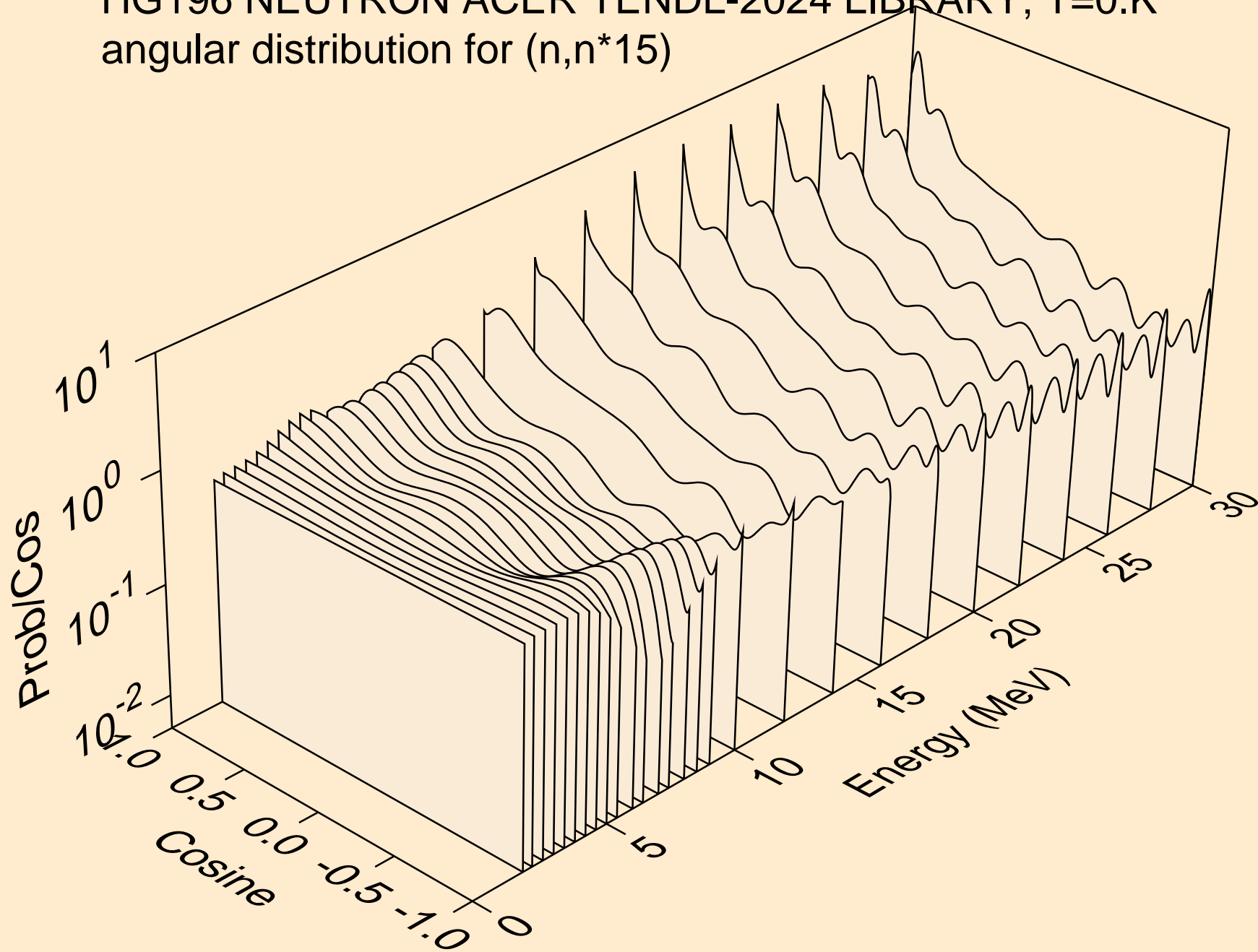
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angular distribution for (n,n\*13)



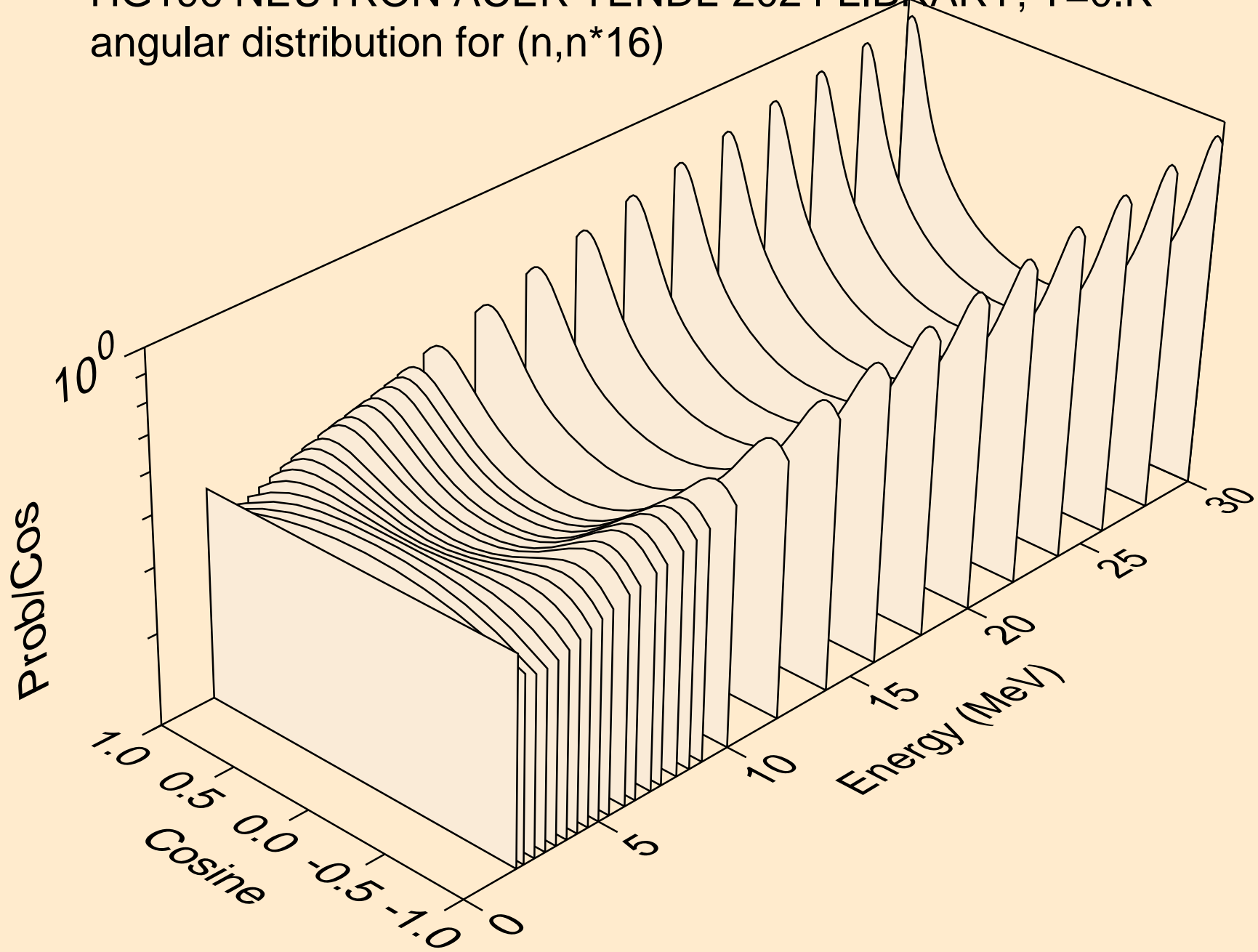
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angular distribution for (n,n\*14)



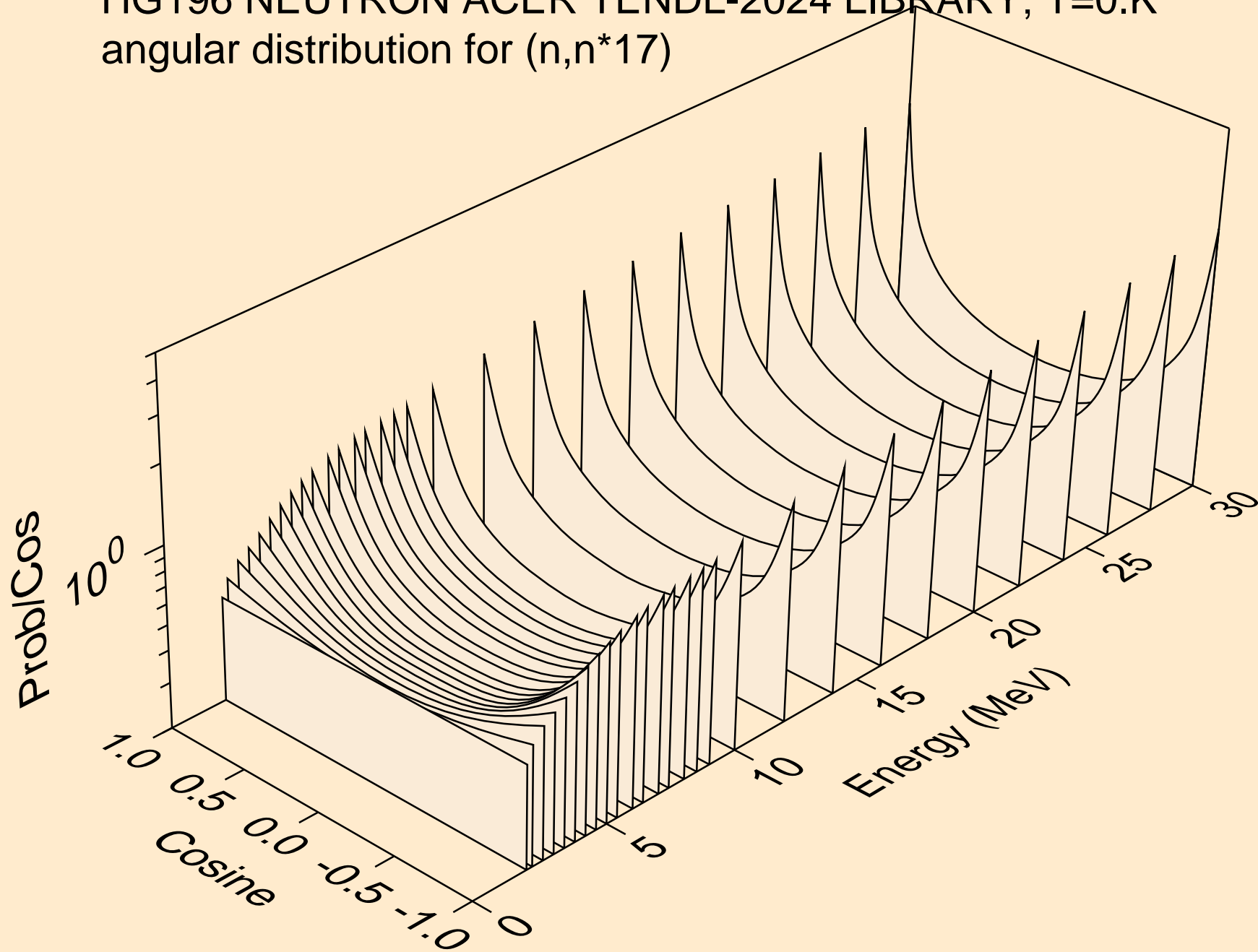
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angular distribution for (n,n\*15)



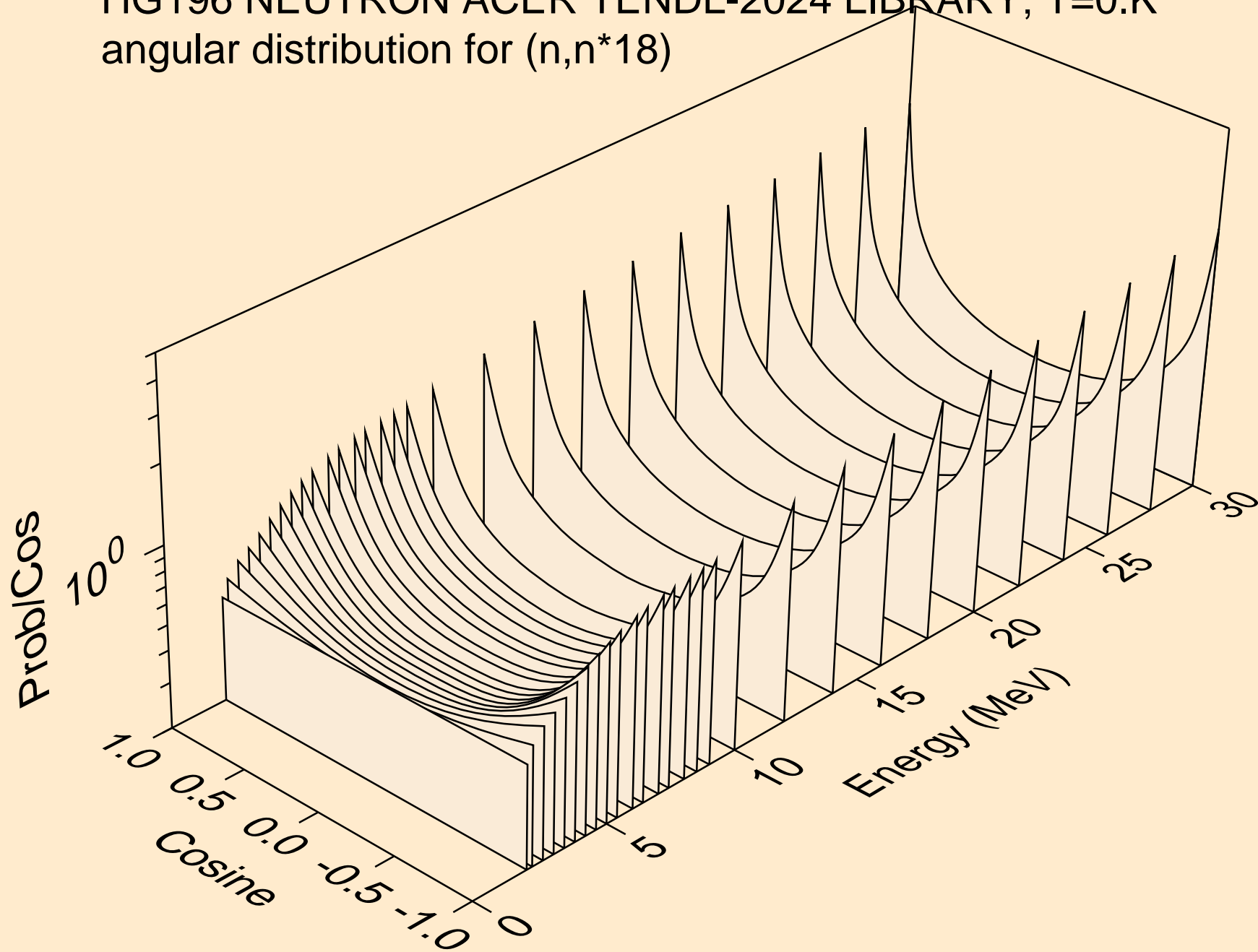
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)

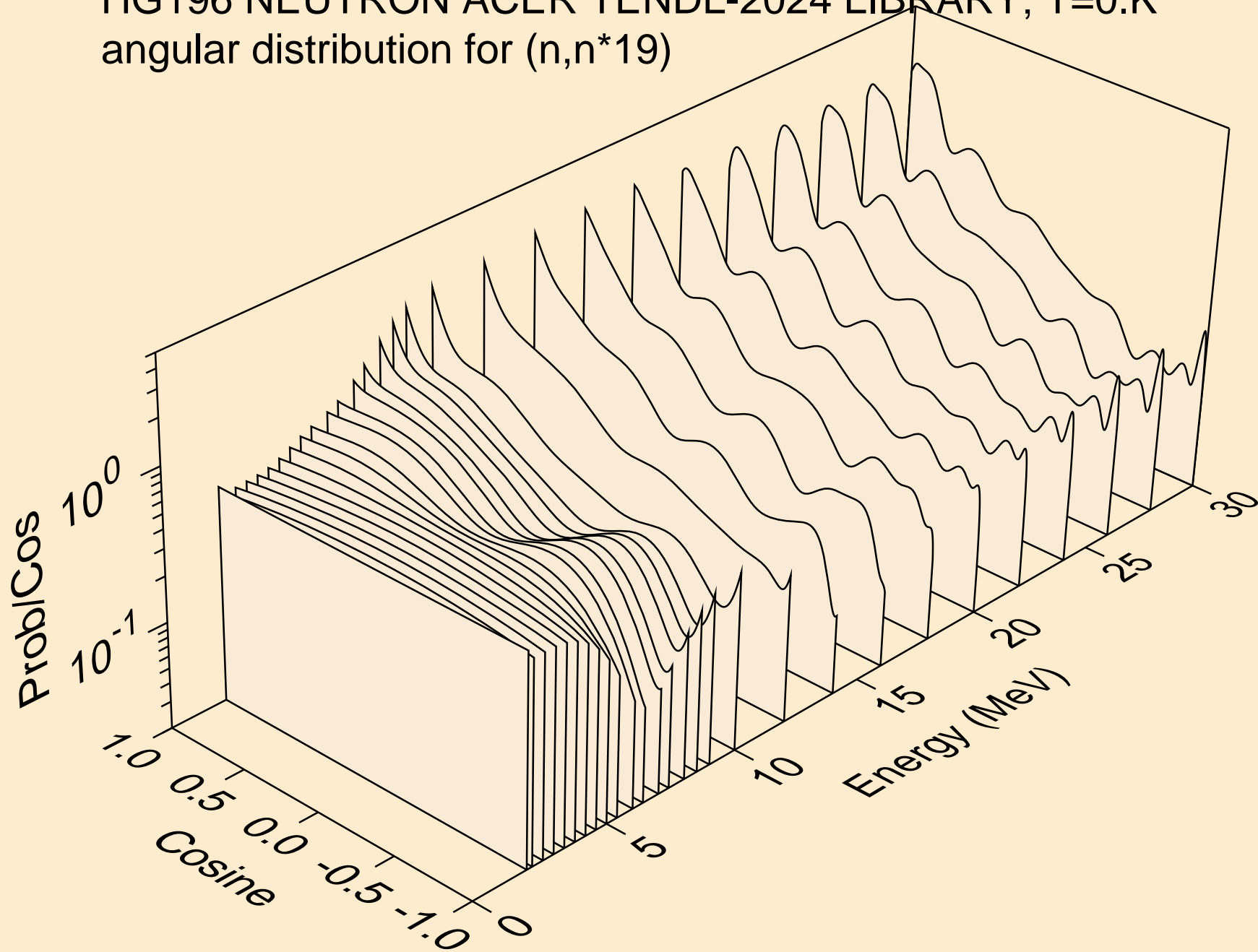


HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)

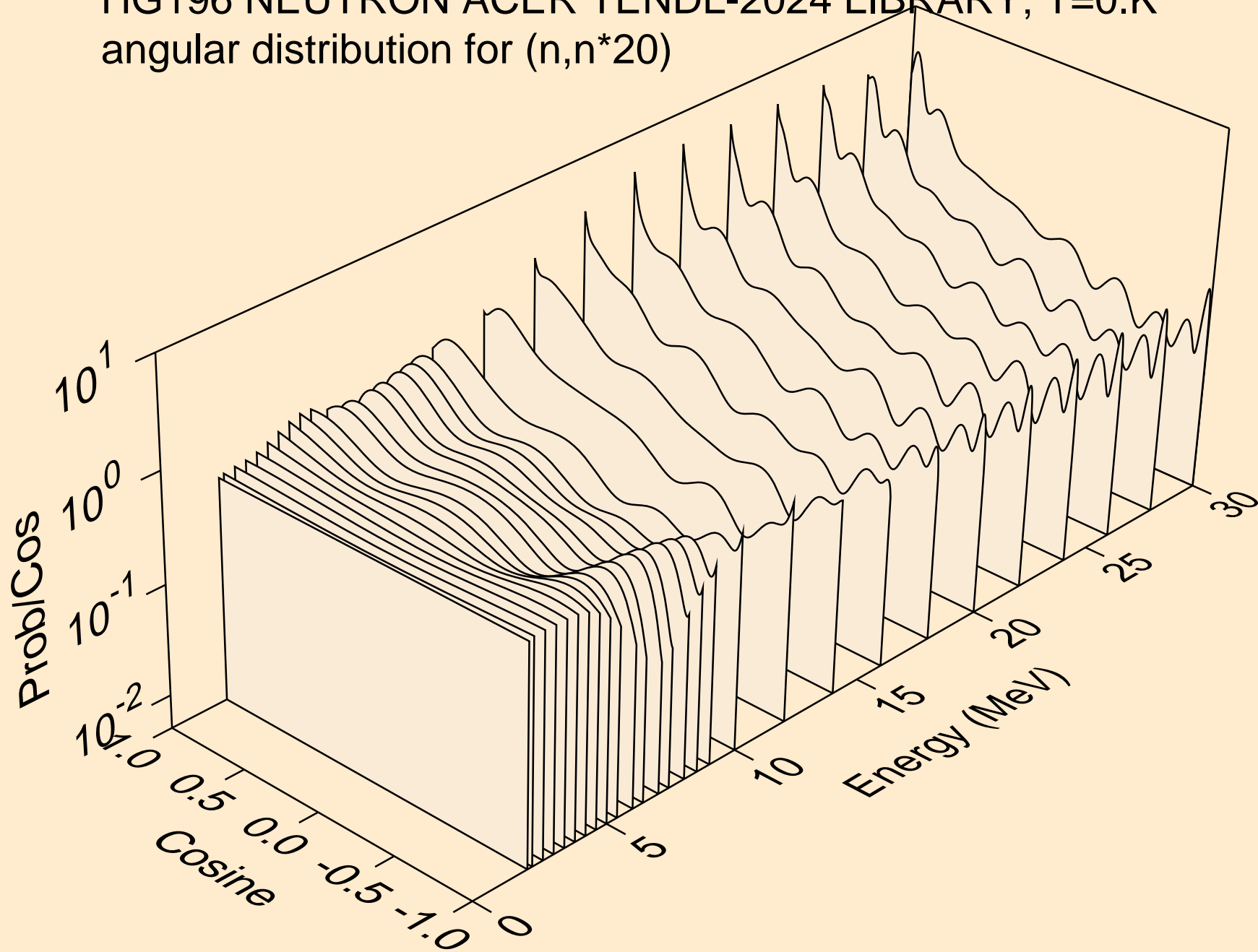




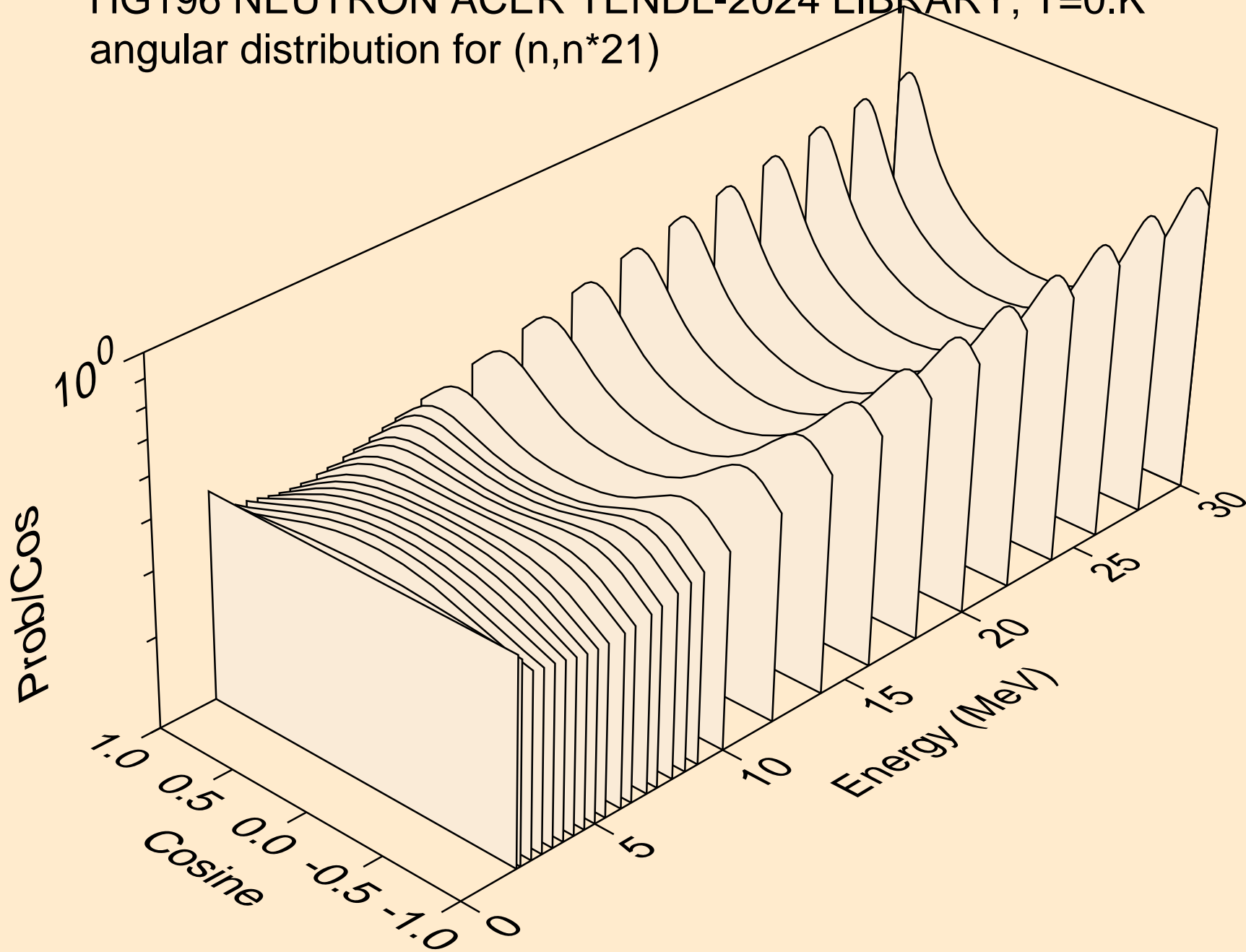
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angular distribution for (n,n\*19)



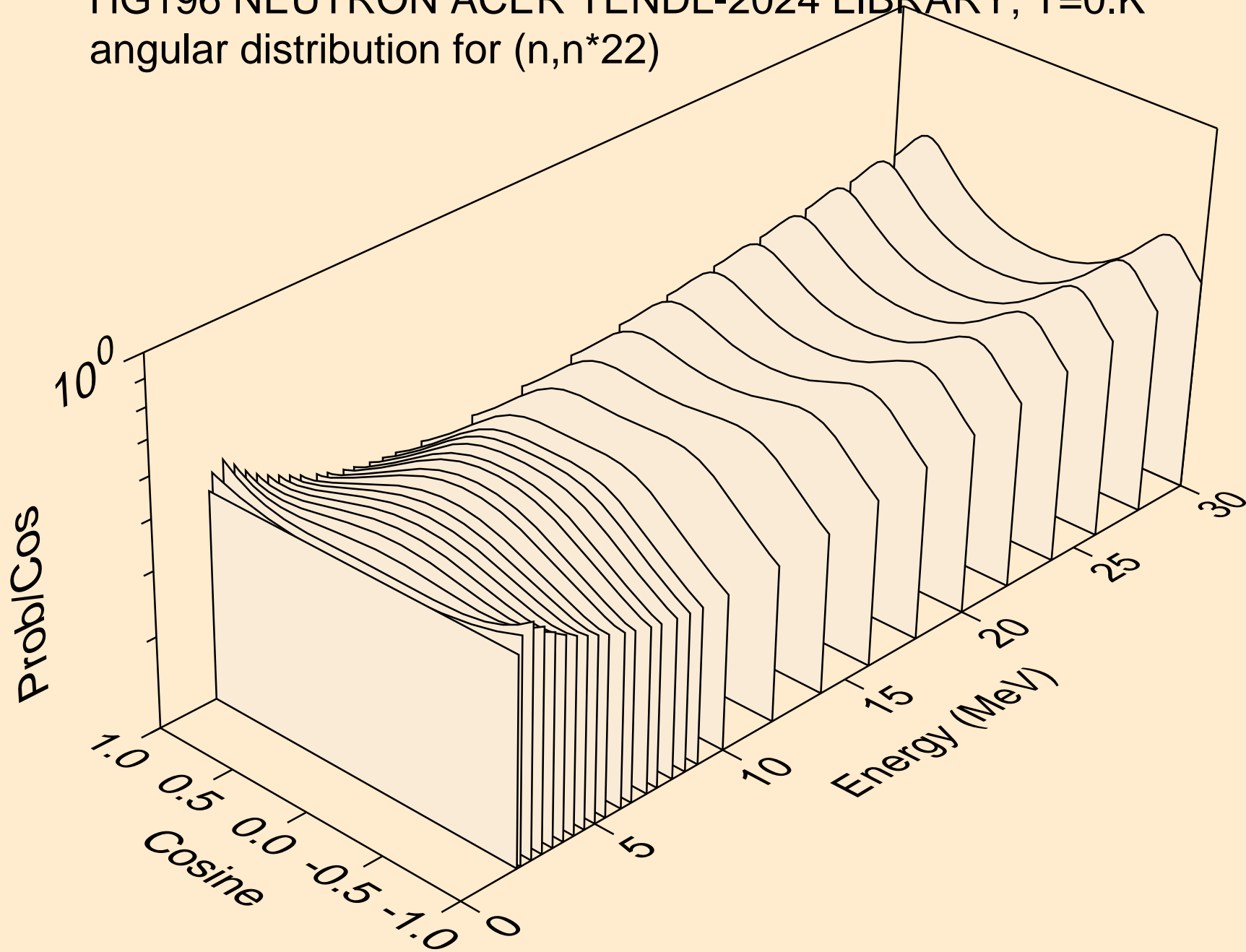
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angular distribution for (n,n\*20)



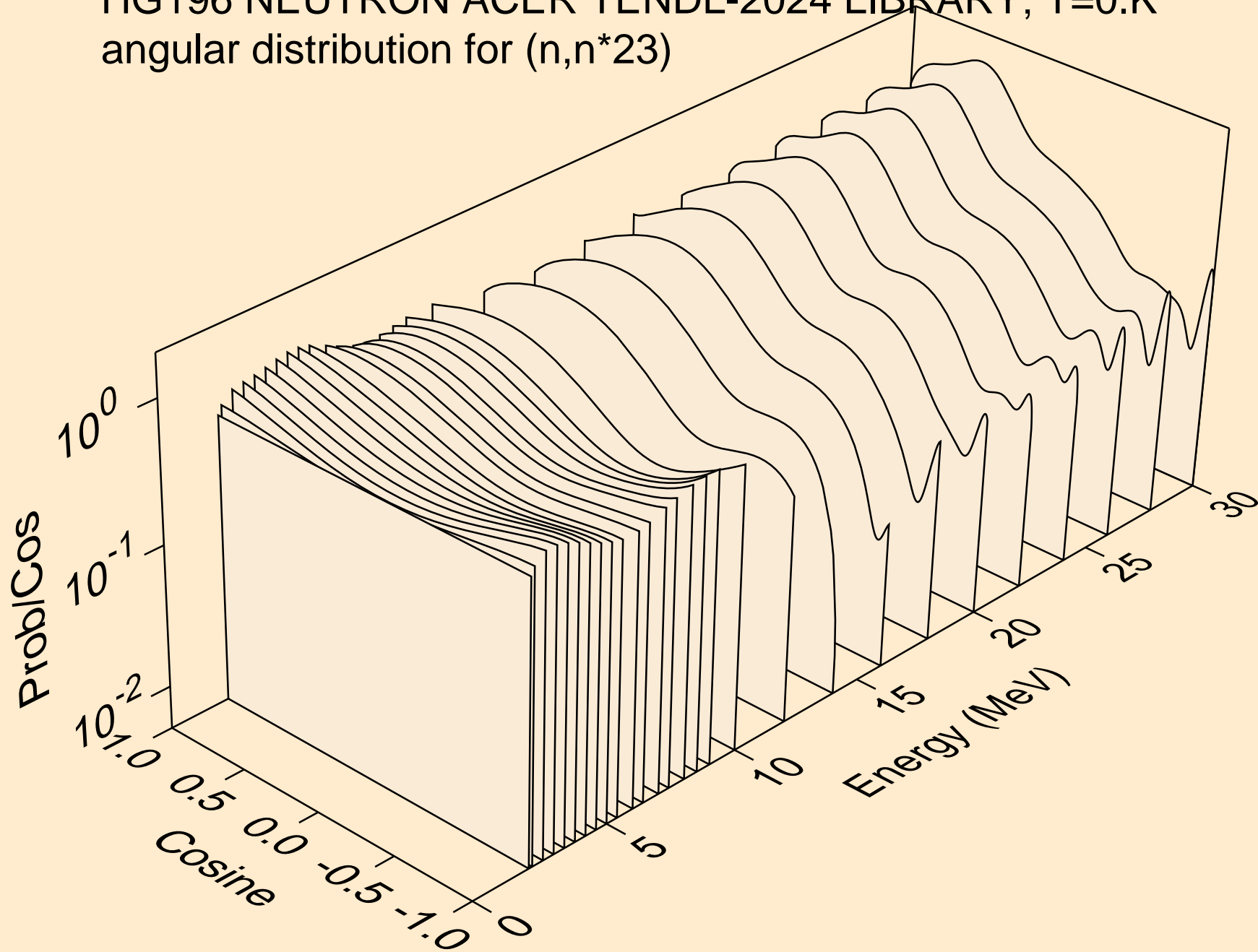
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angular distribution for (n,n\*21)



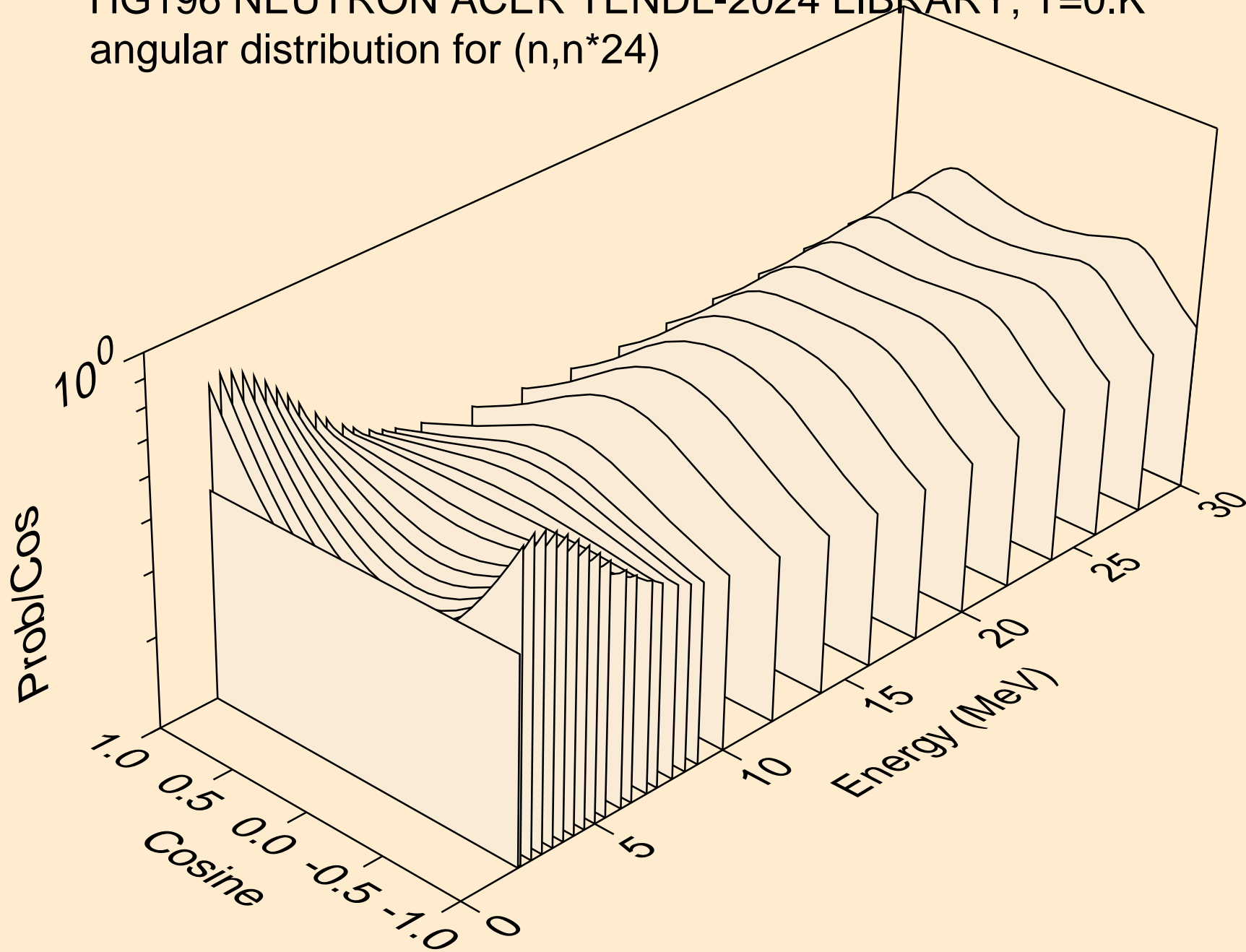
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angular distribution for (n,n\*22)



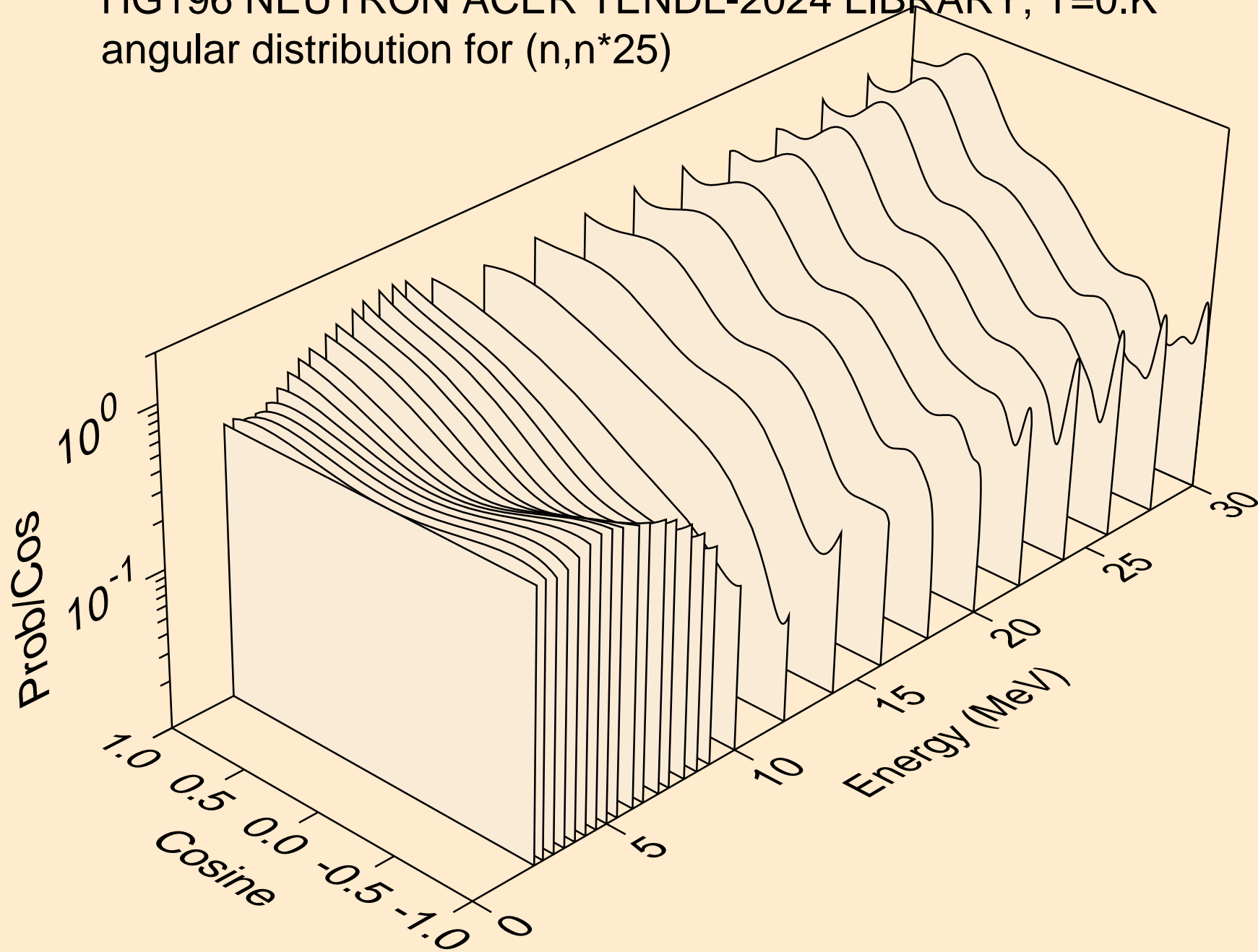
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angular distribution for (n,n\*23)



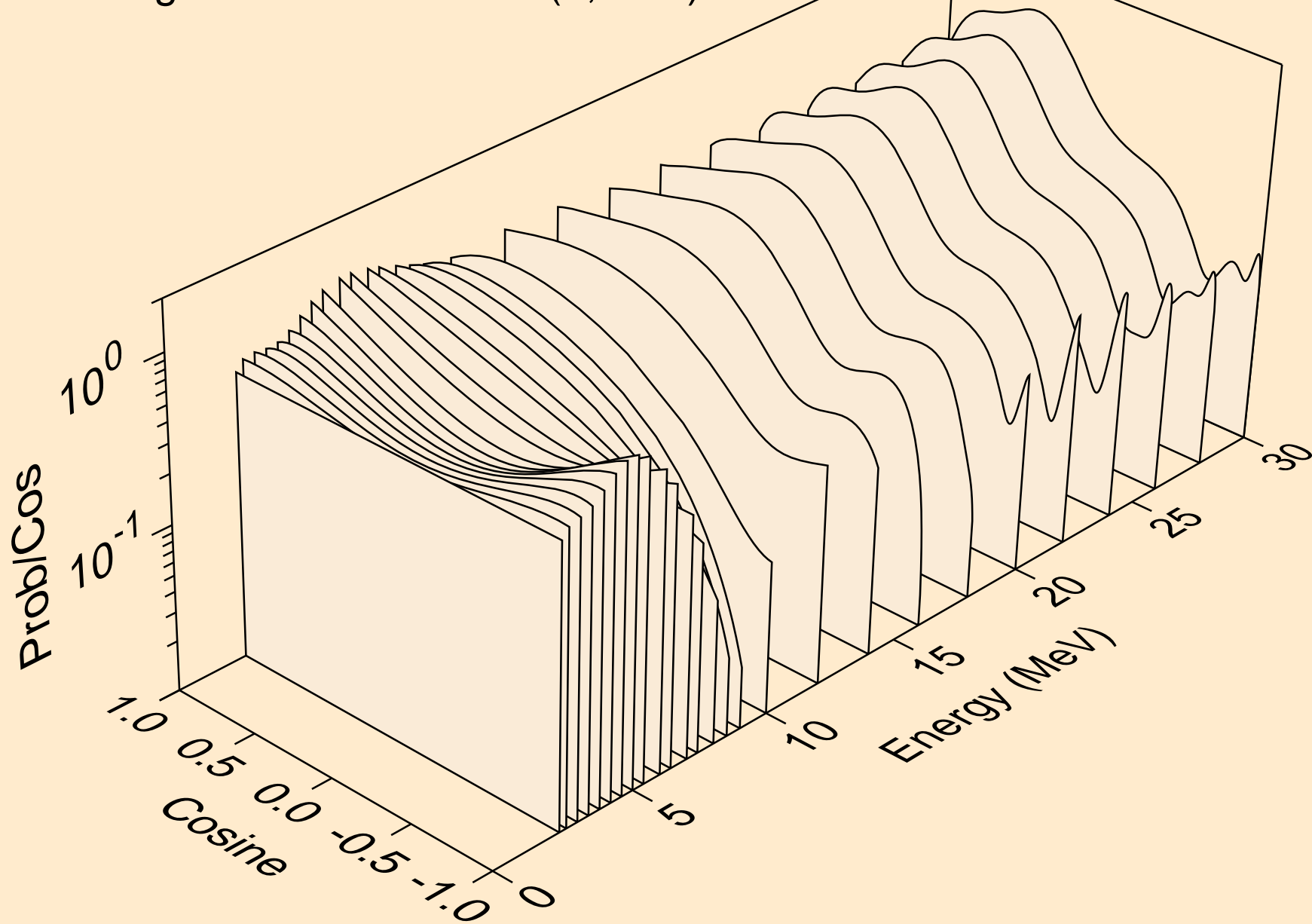
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)



HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)

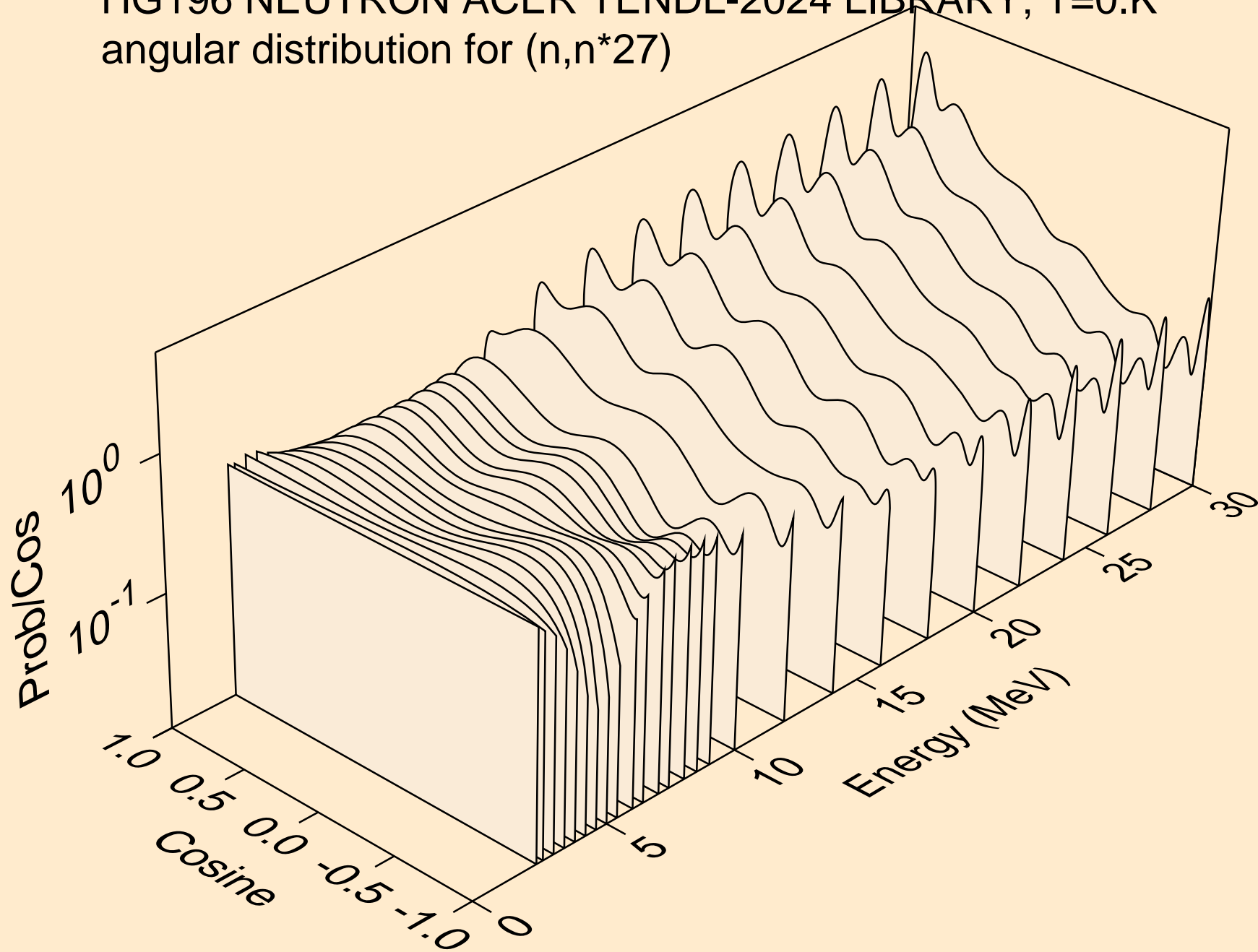


HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)

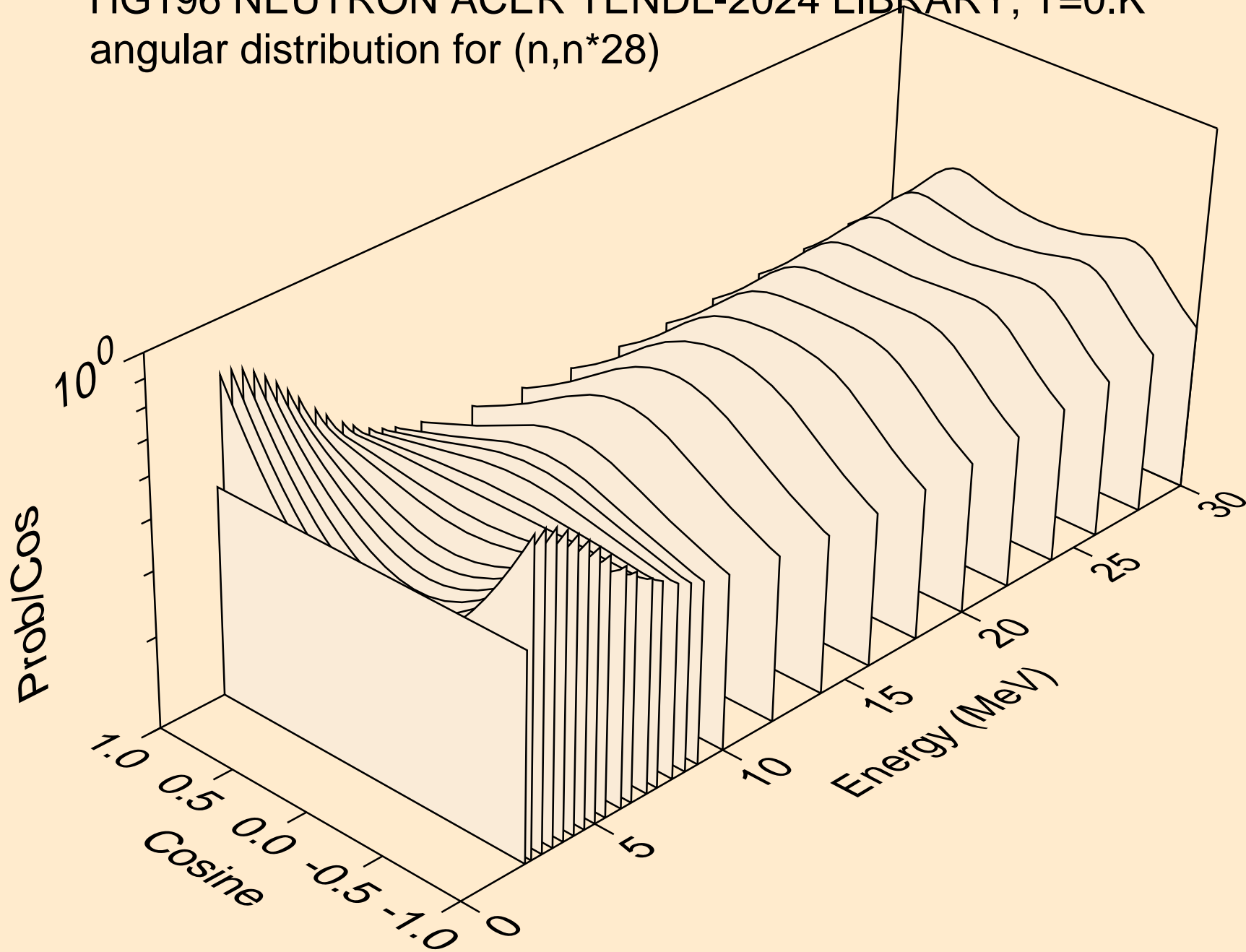




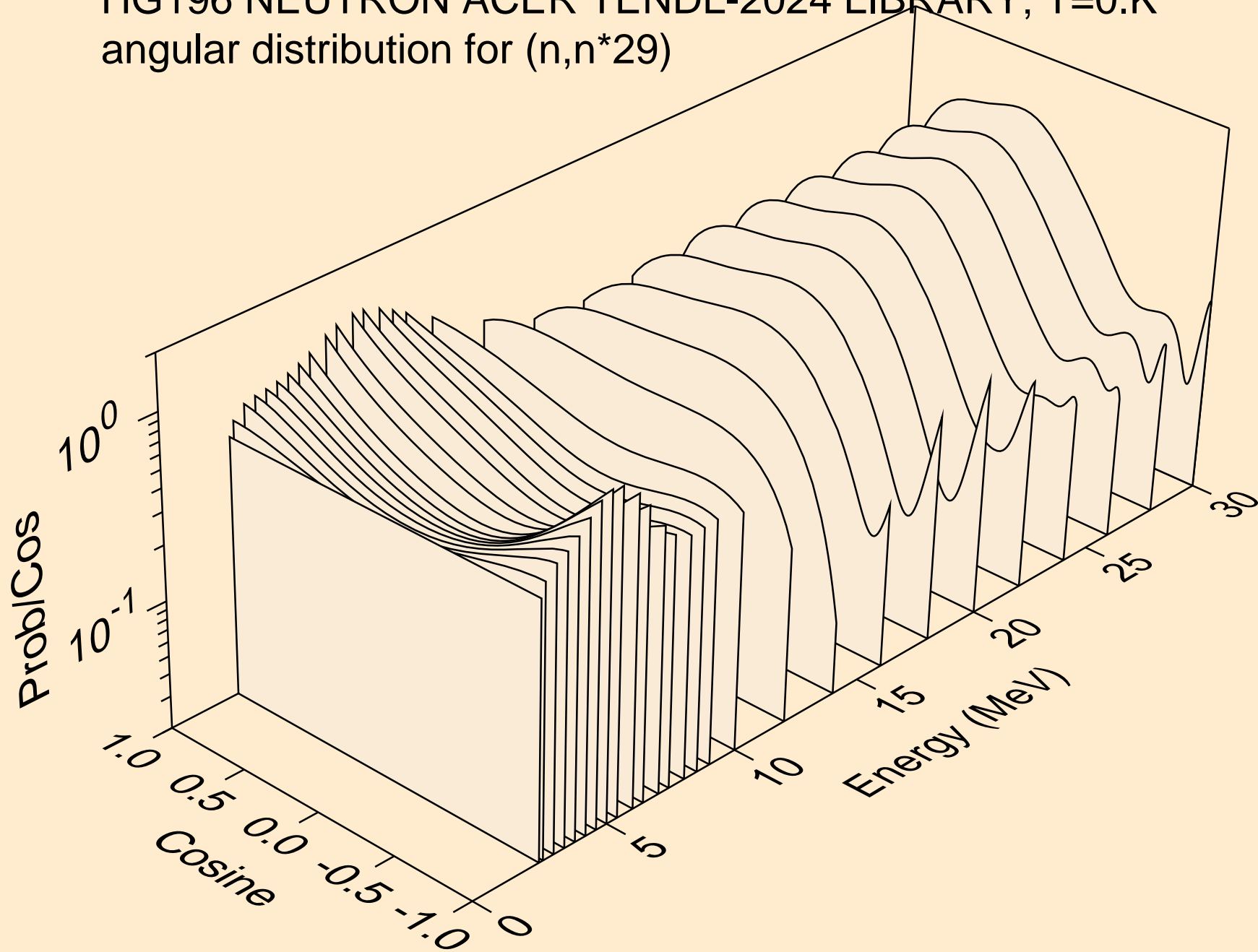
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angular distribution for (n,n\*27)



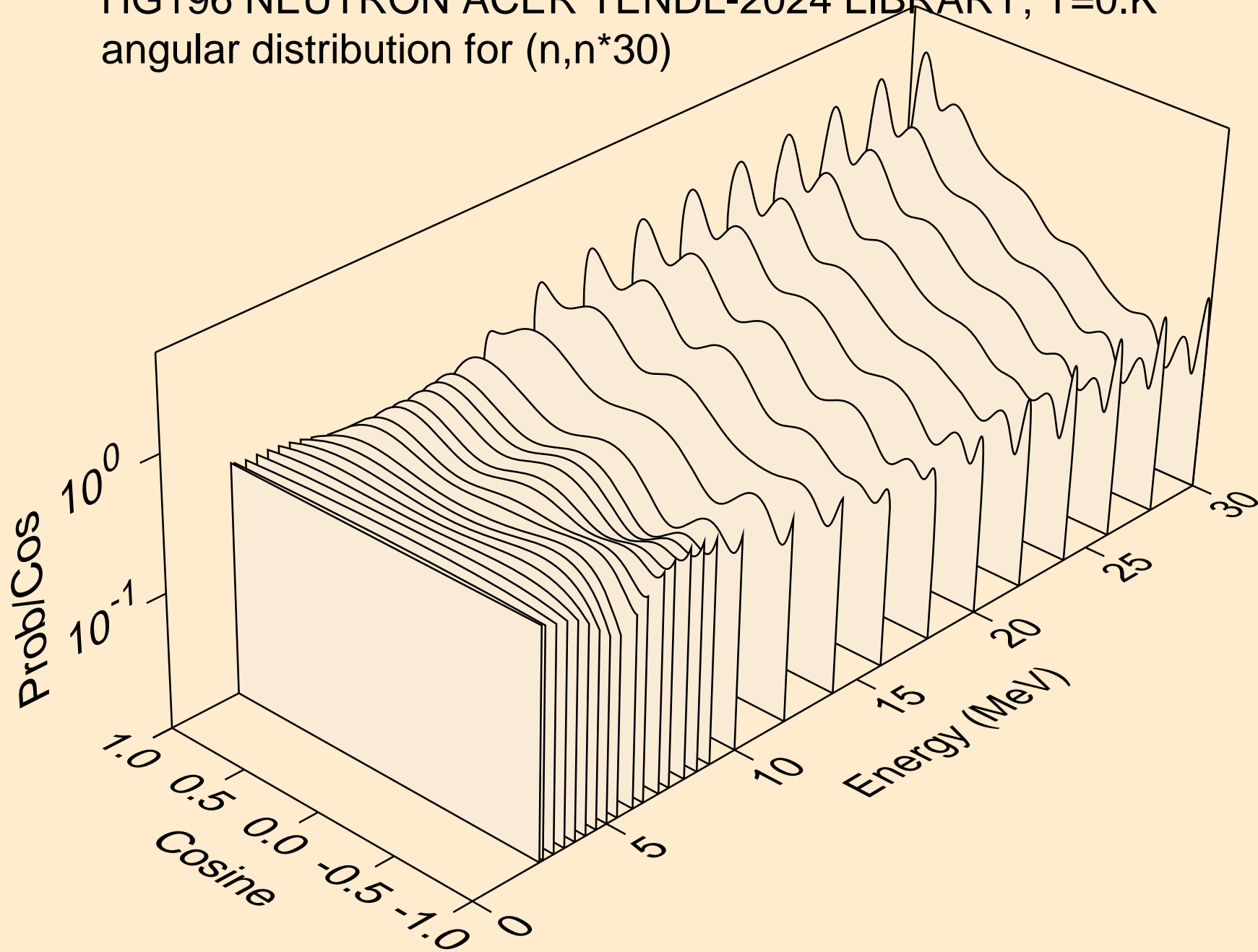
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angular distribution for (n,n\*28)



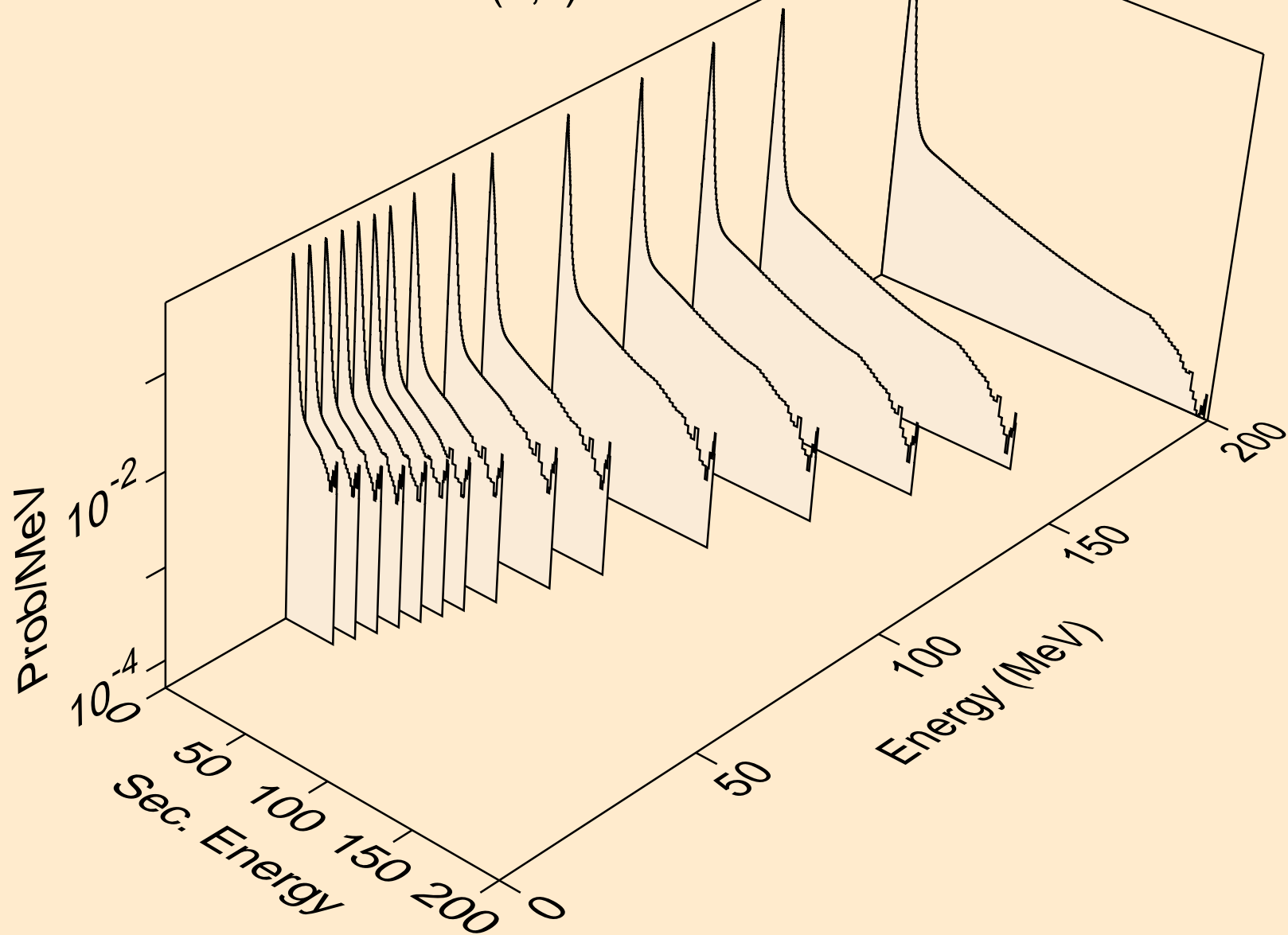
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*29)



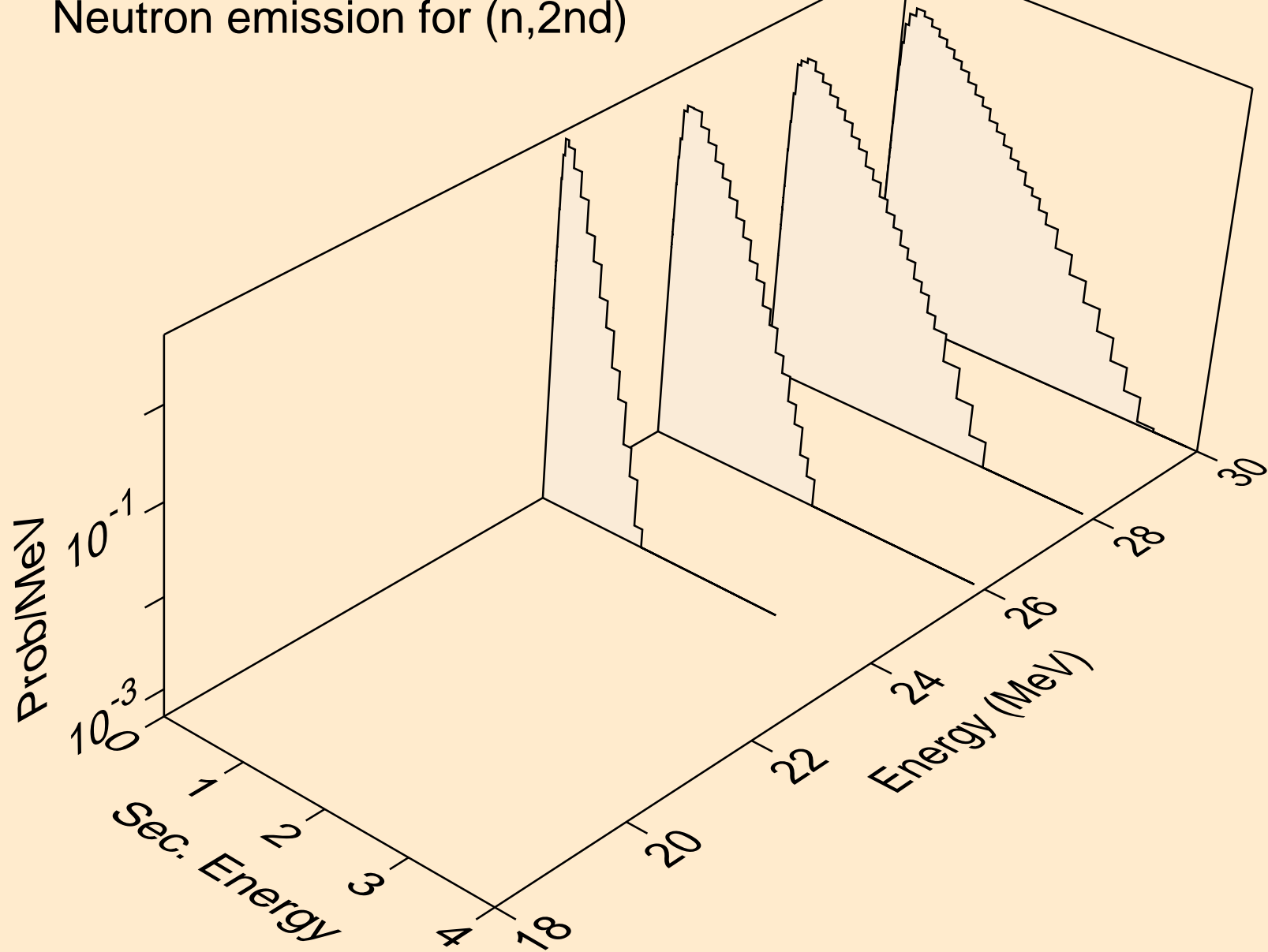
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angular distribution for (n,n\*30)



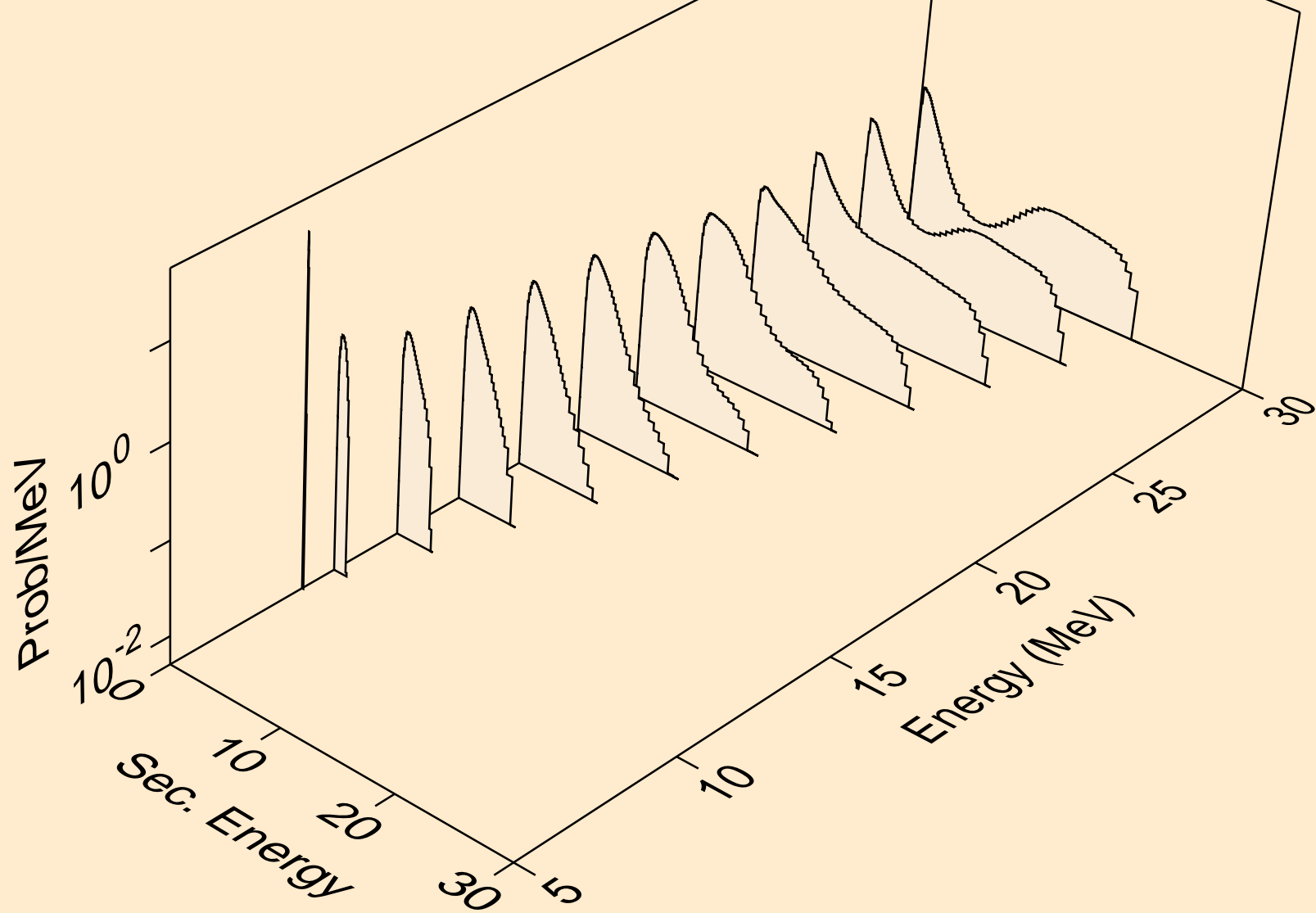
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



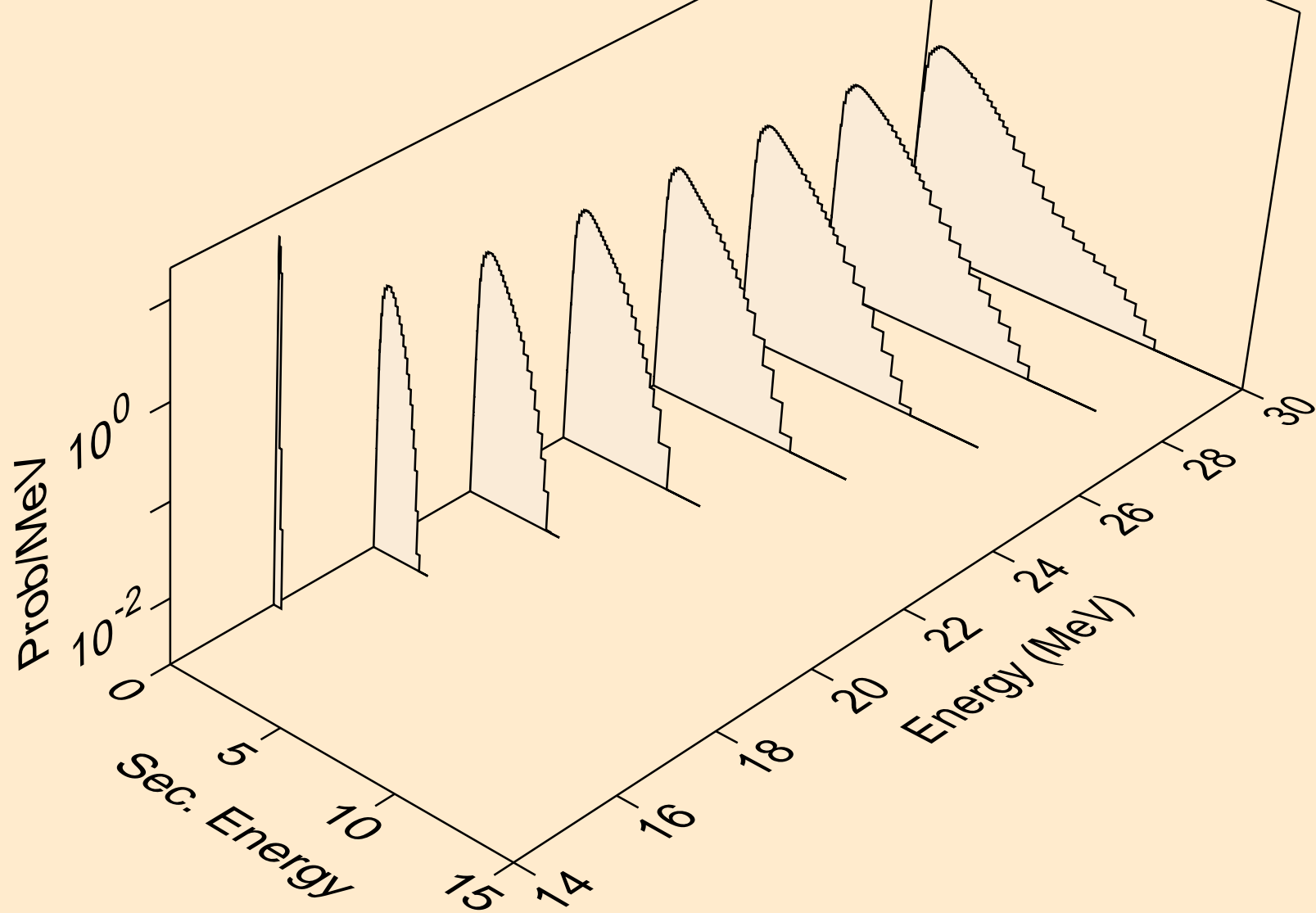
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)

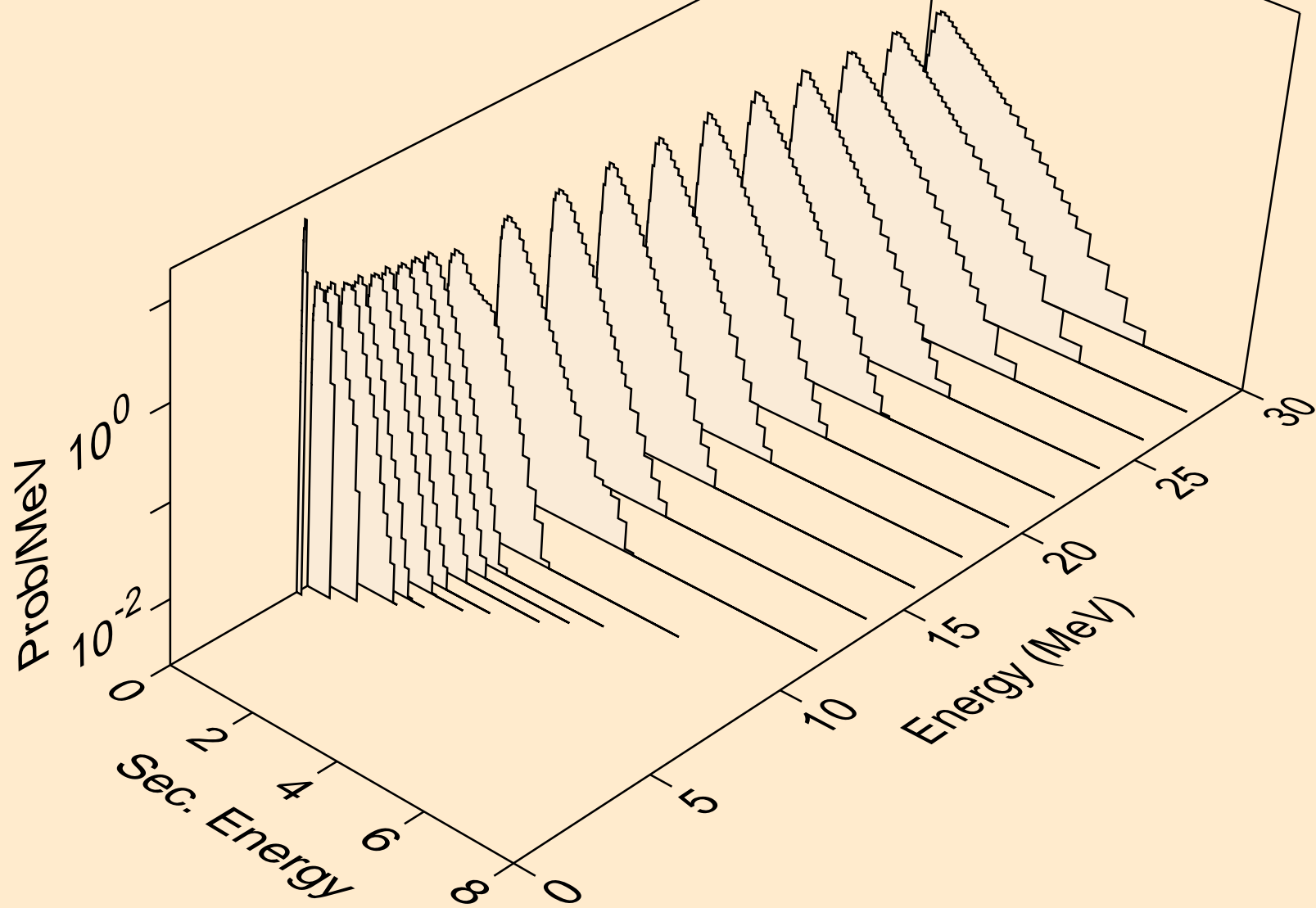


HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)

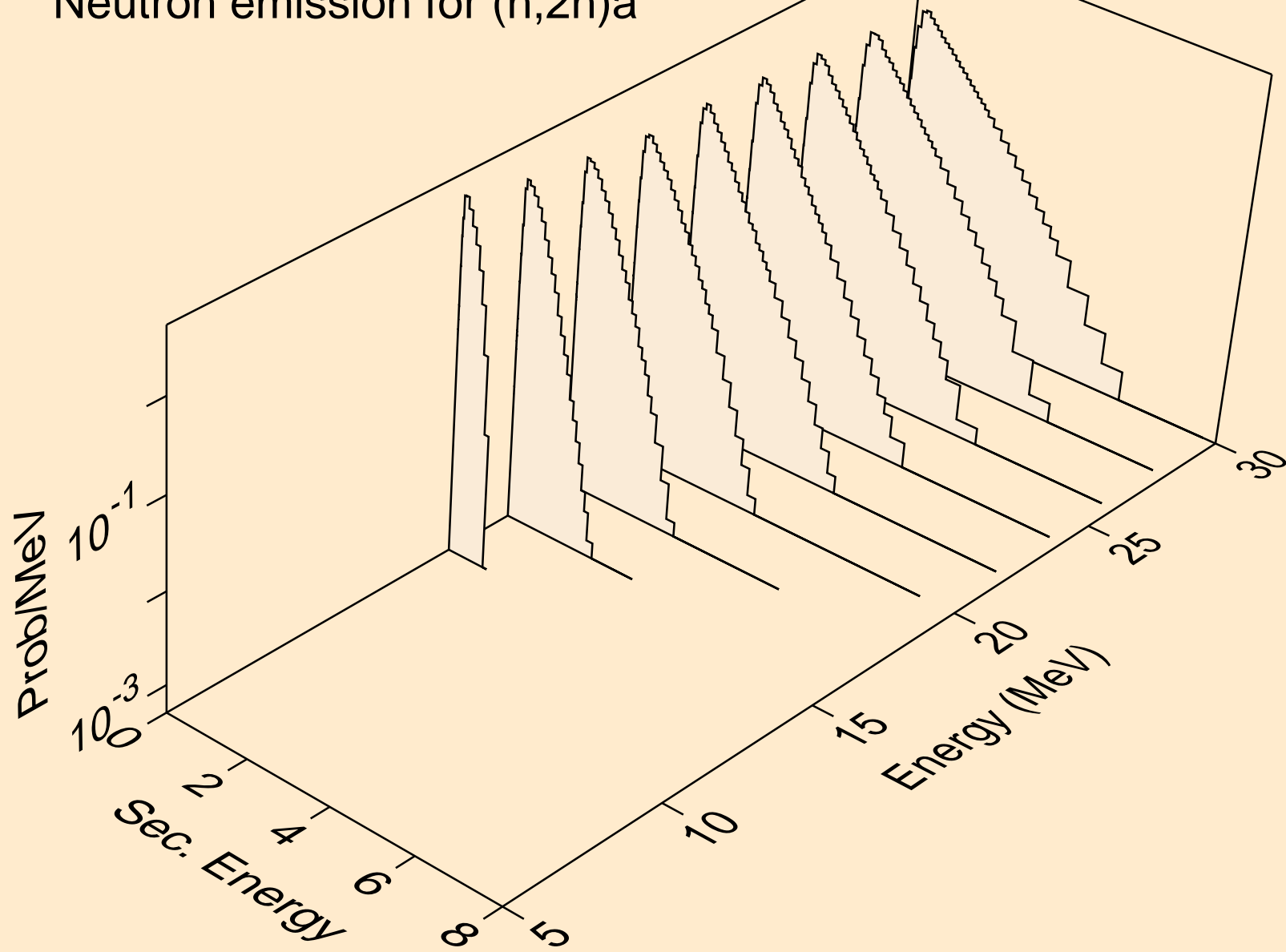




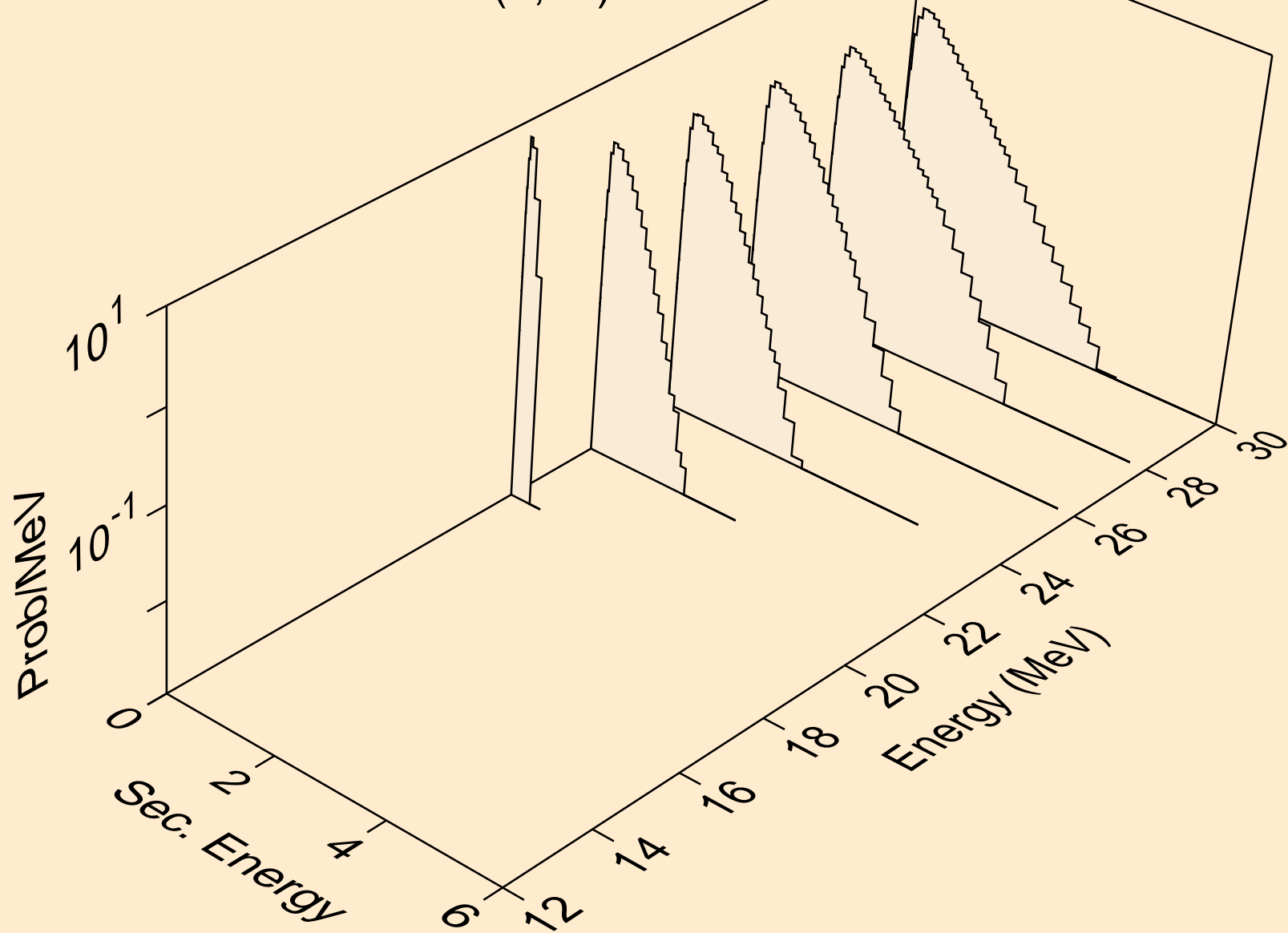
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



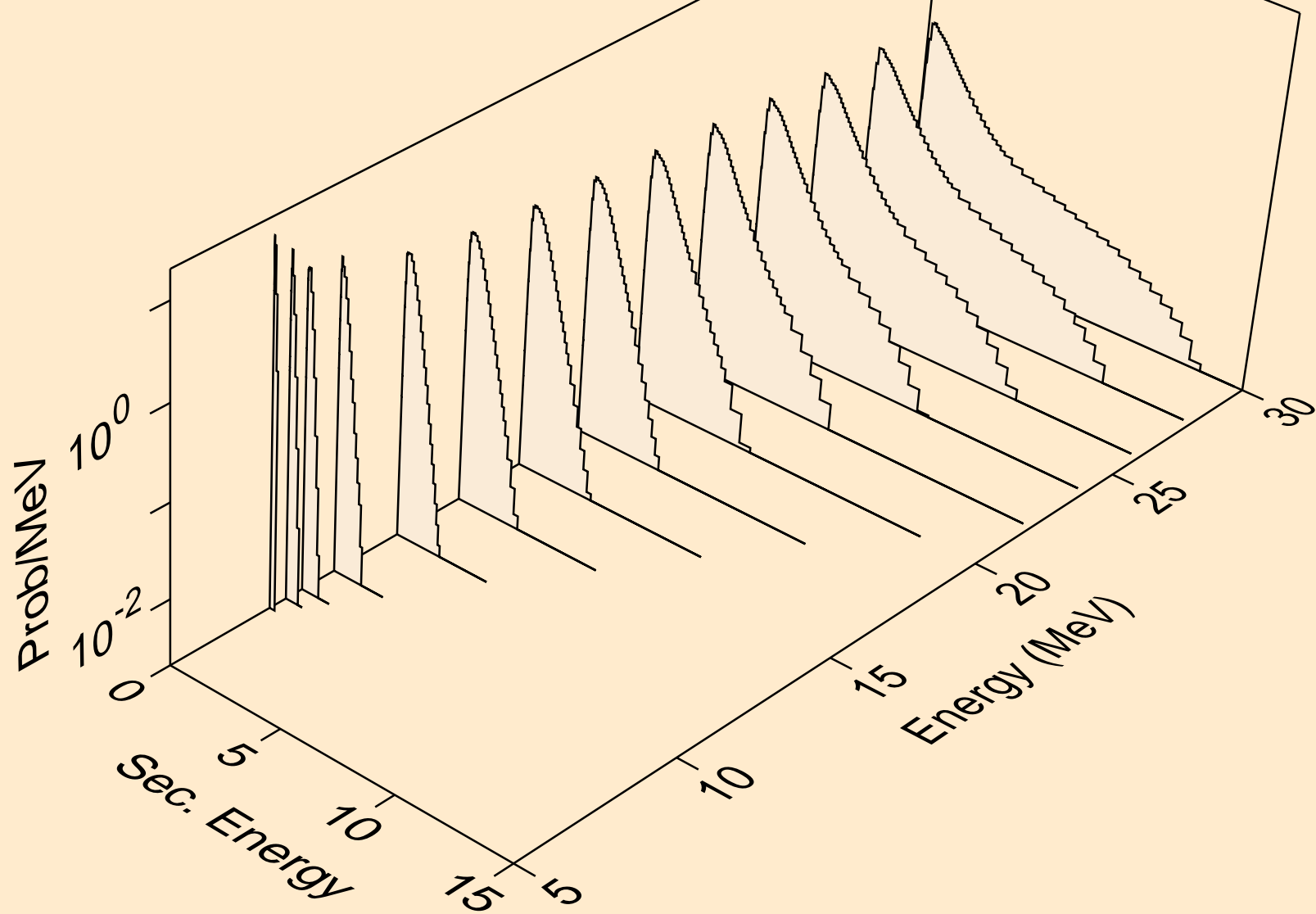
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Neutron emission for (n,2n)a



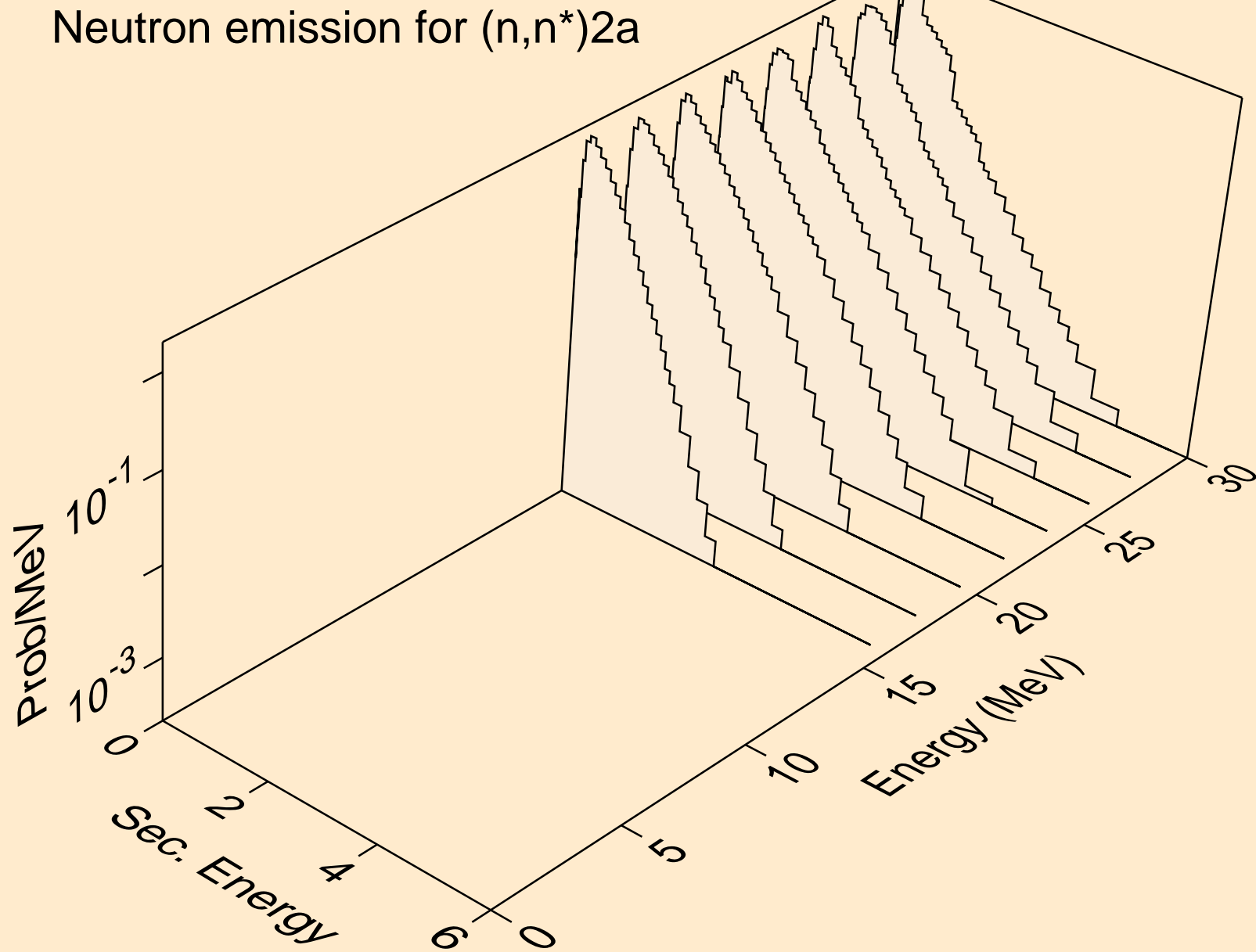
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



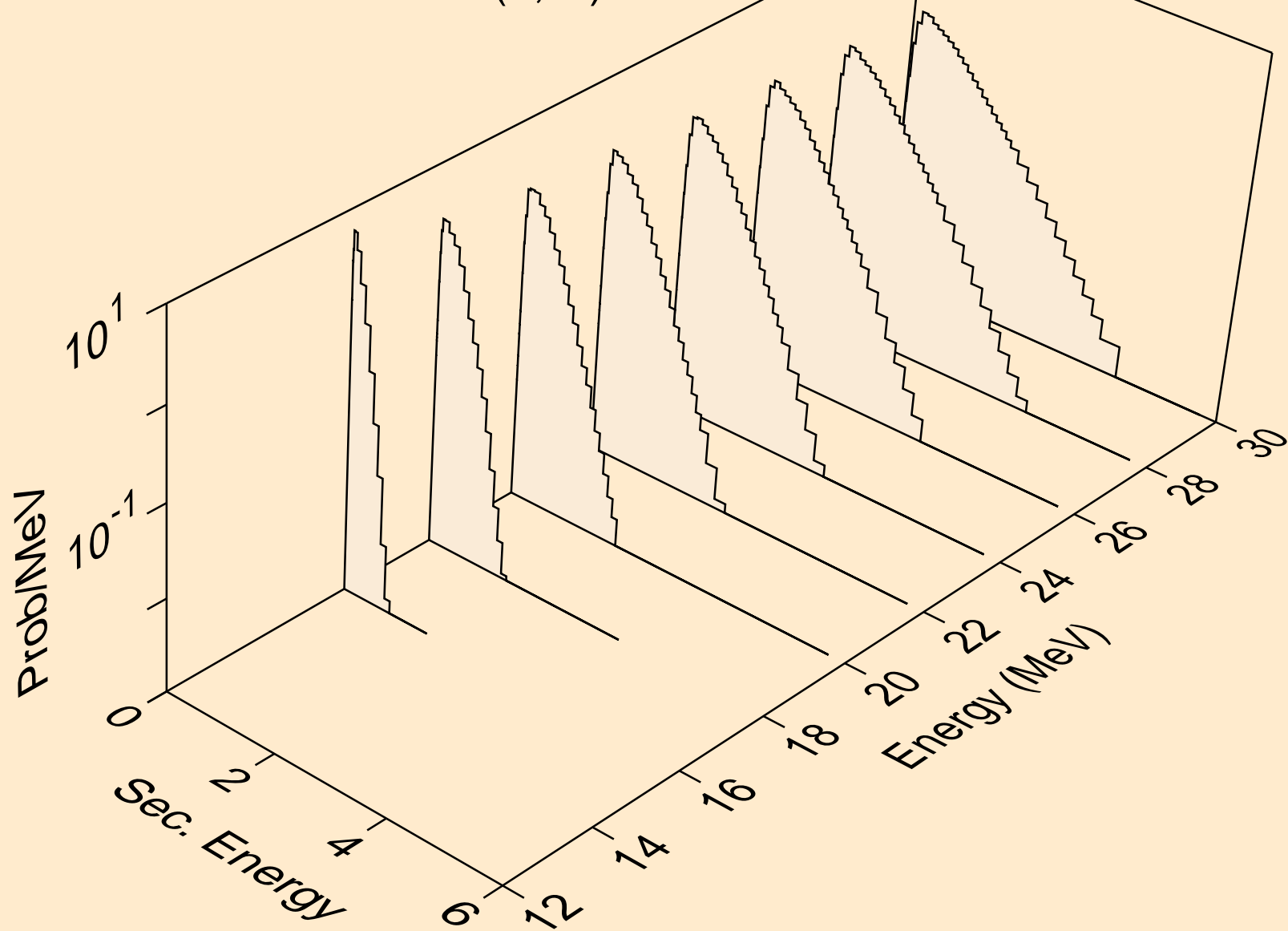
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



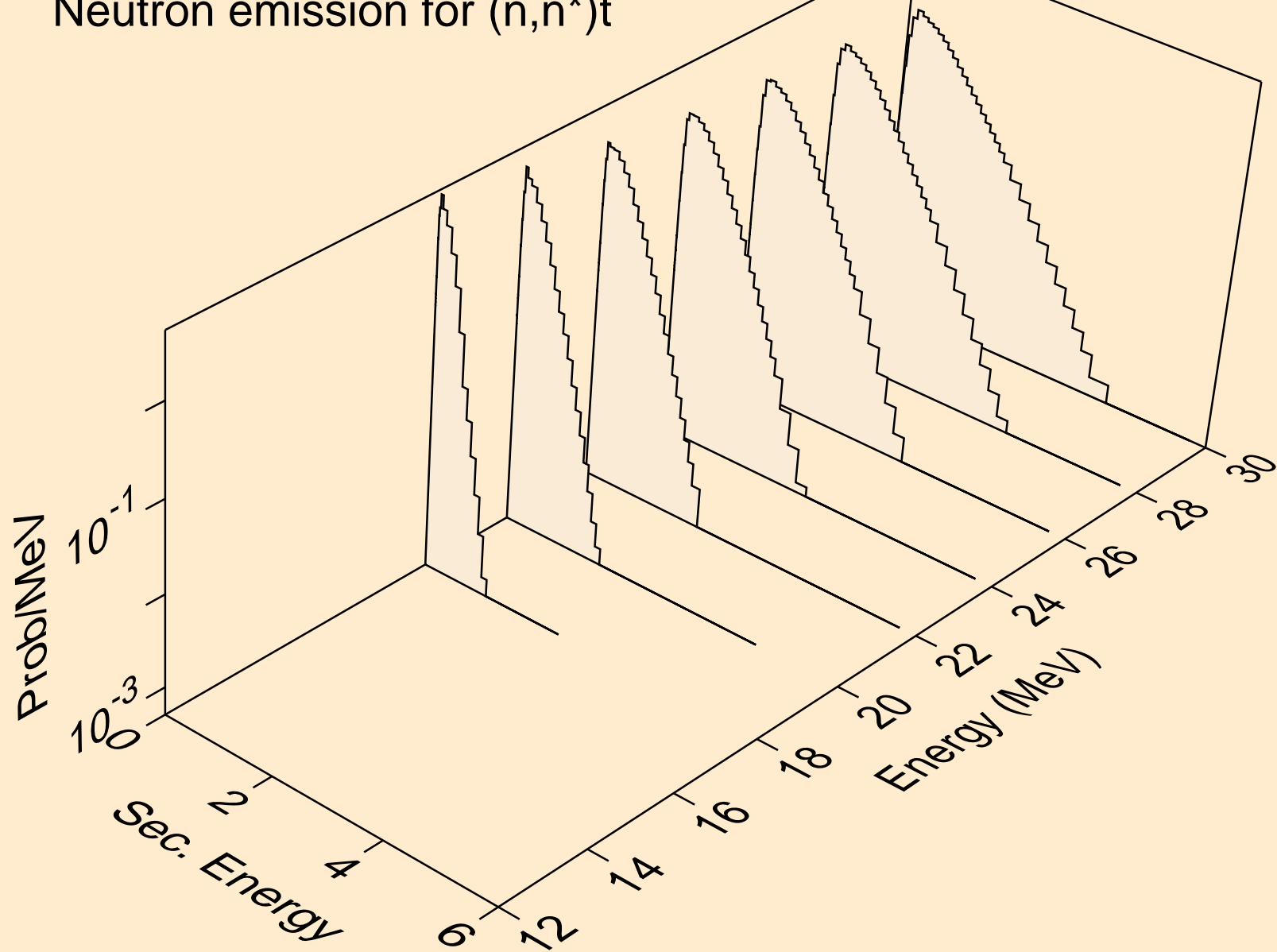
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



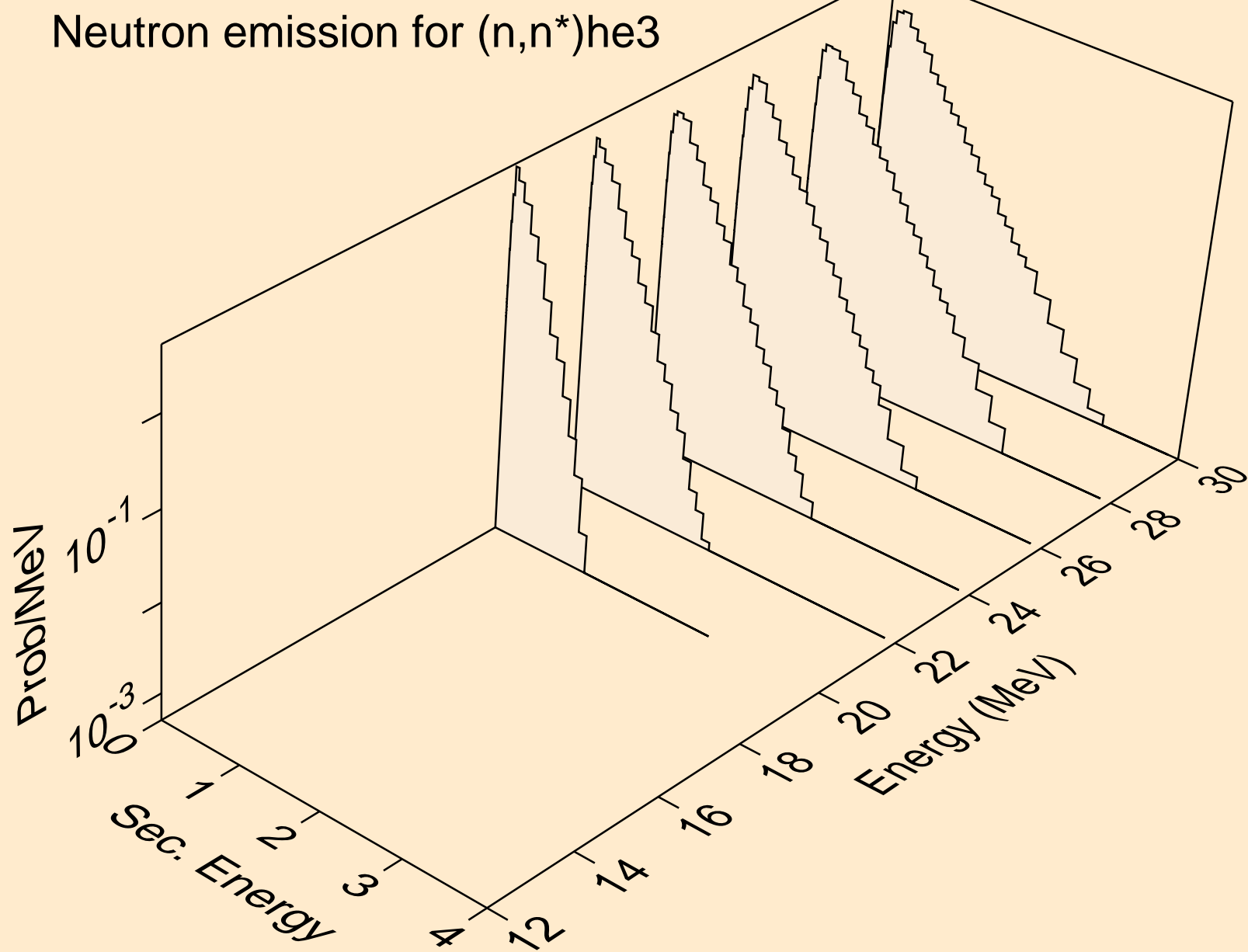
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t

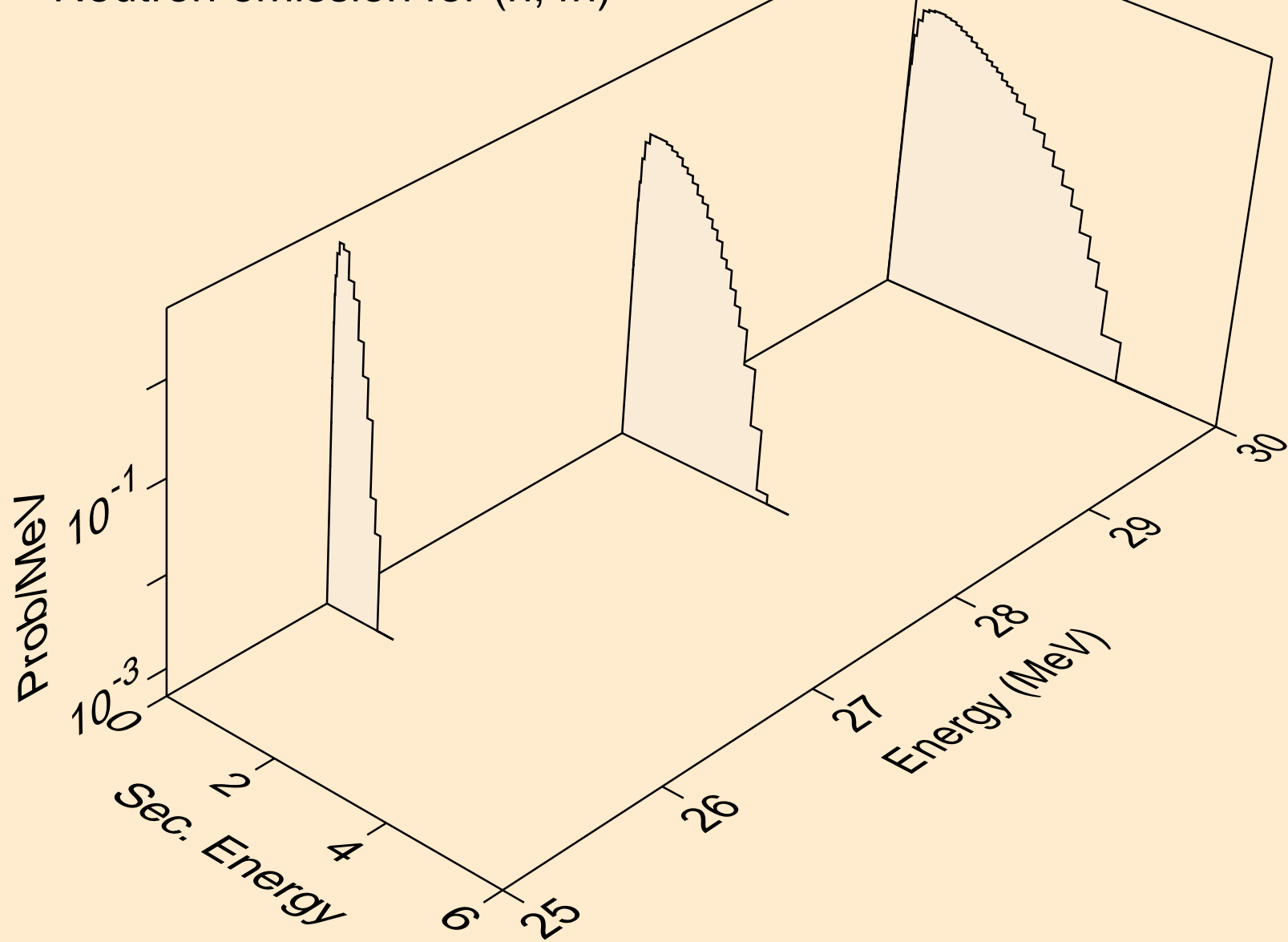


HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

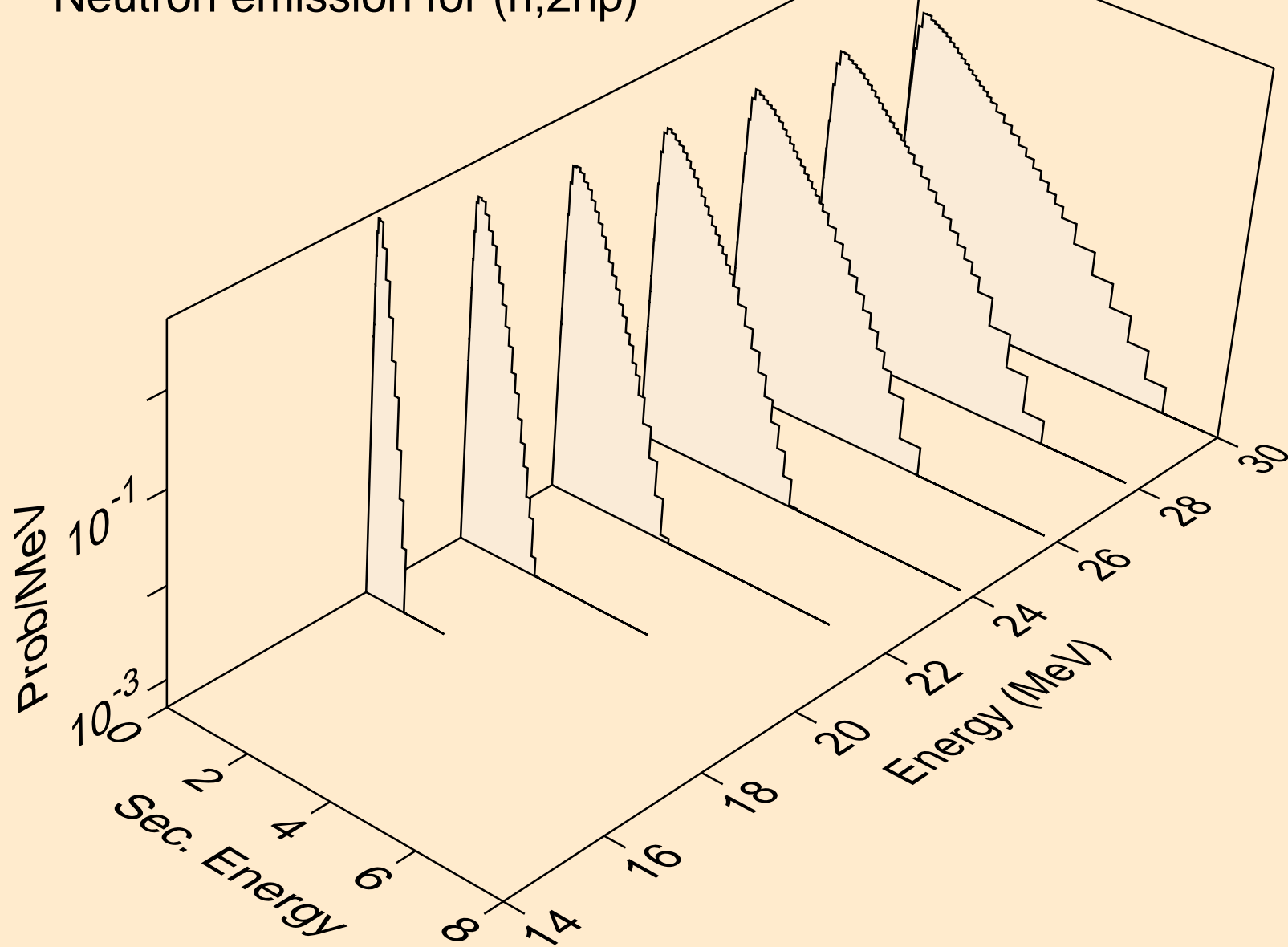




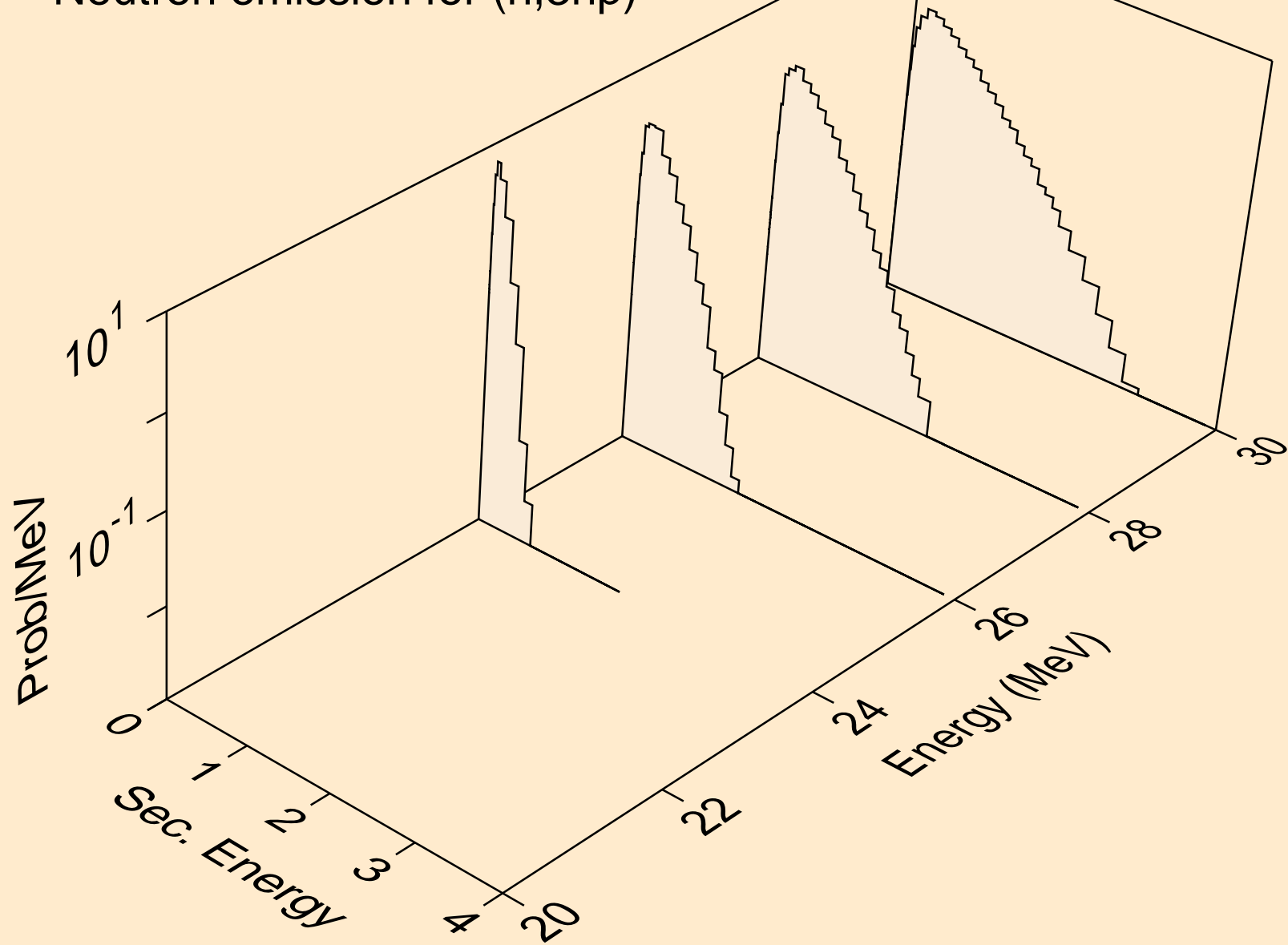
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



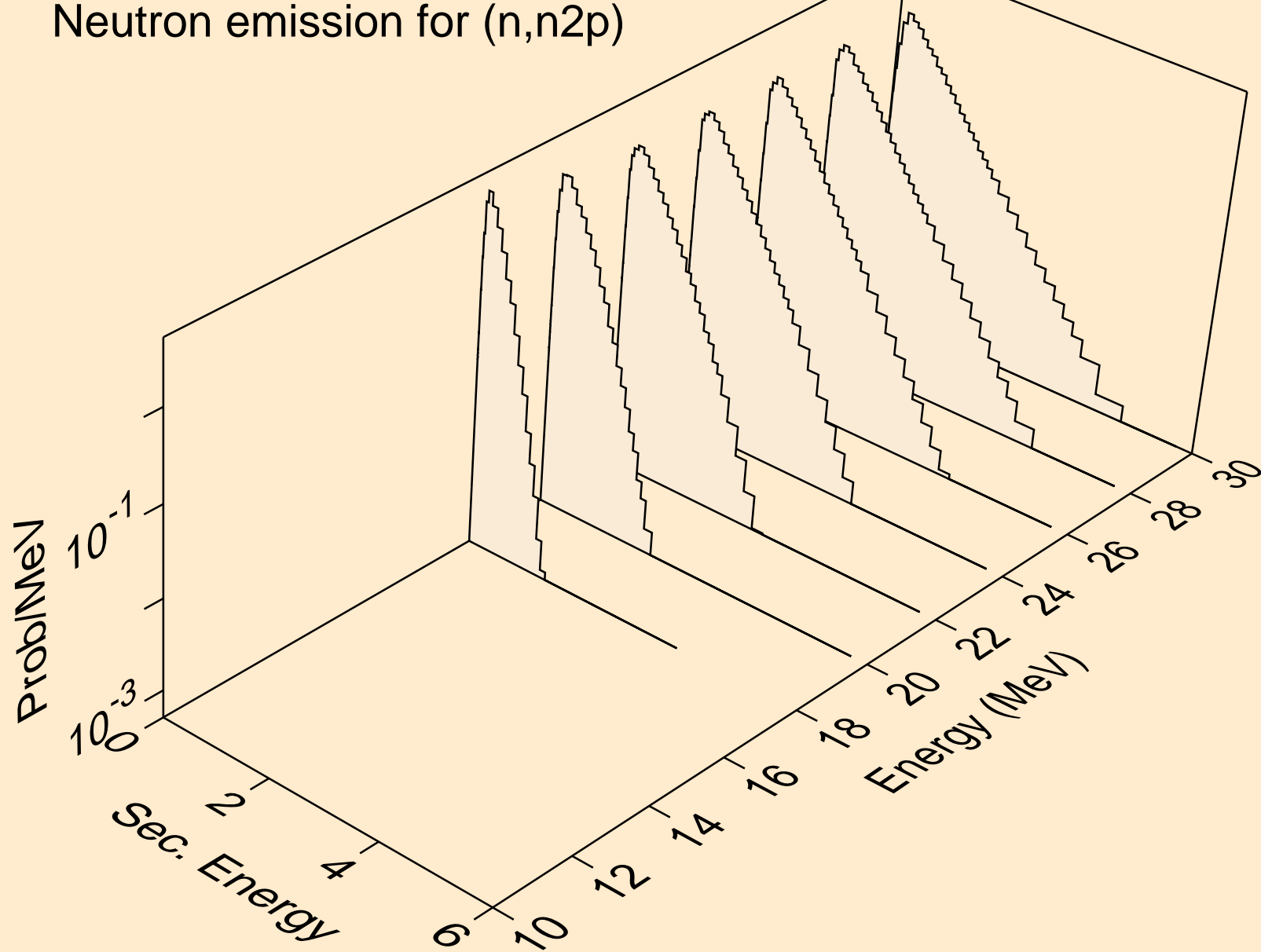
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



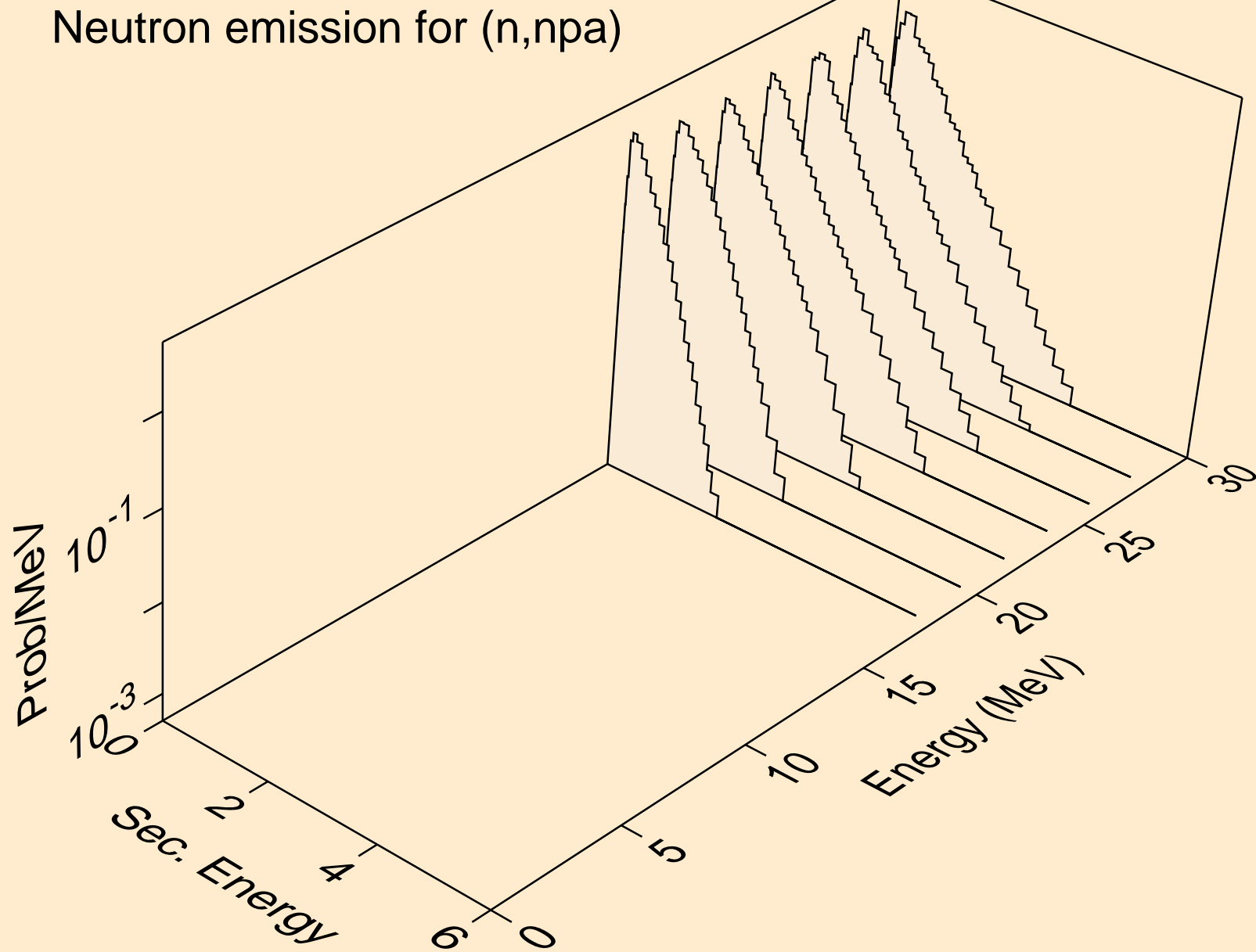
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)



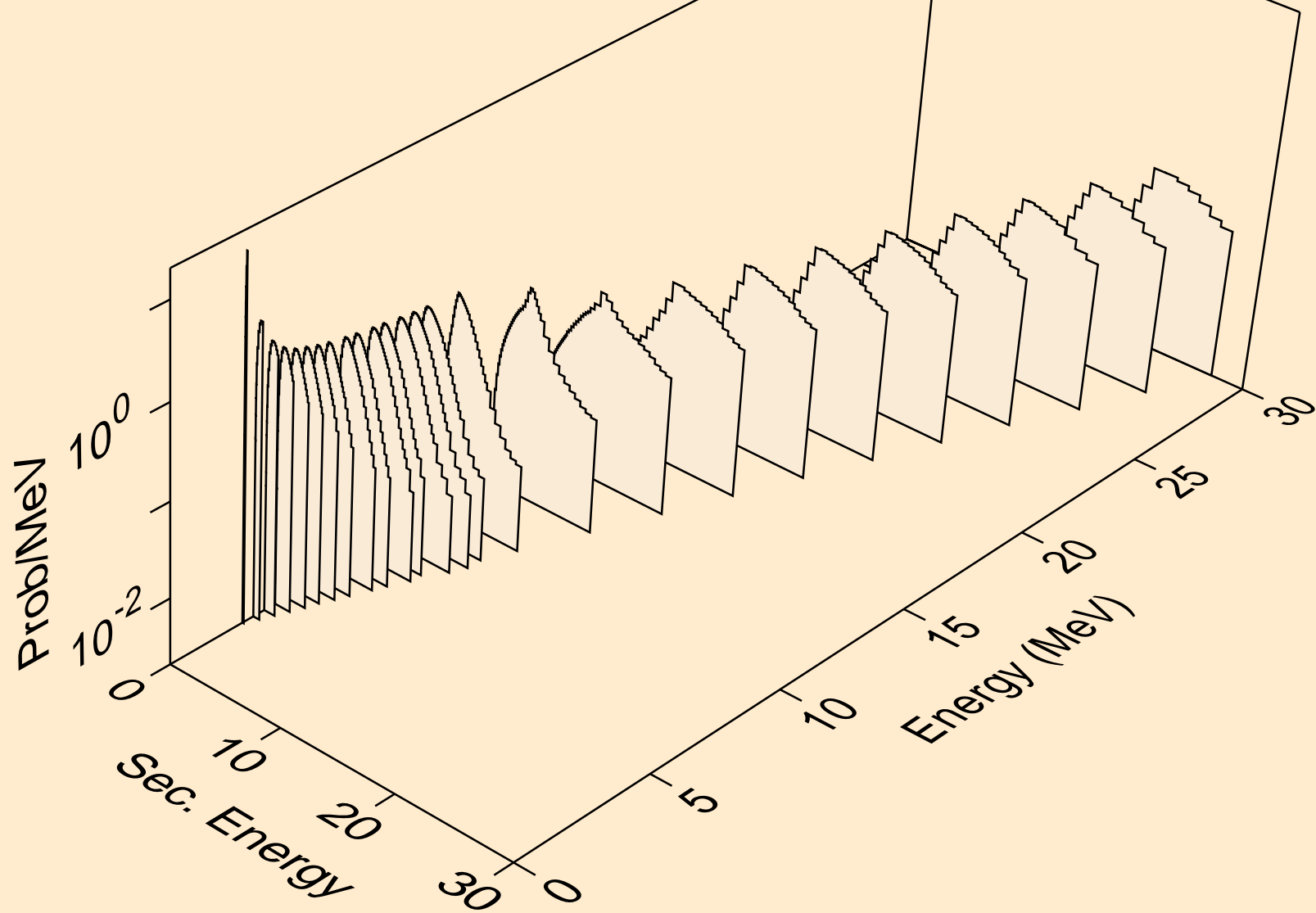
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



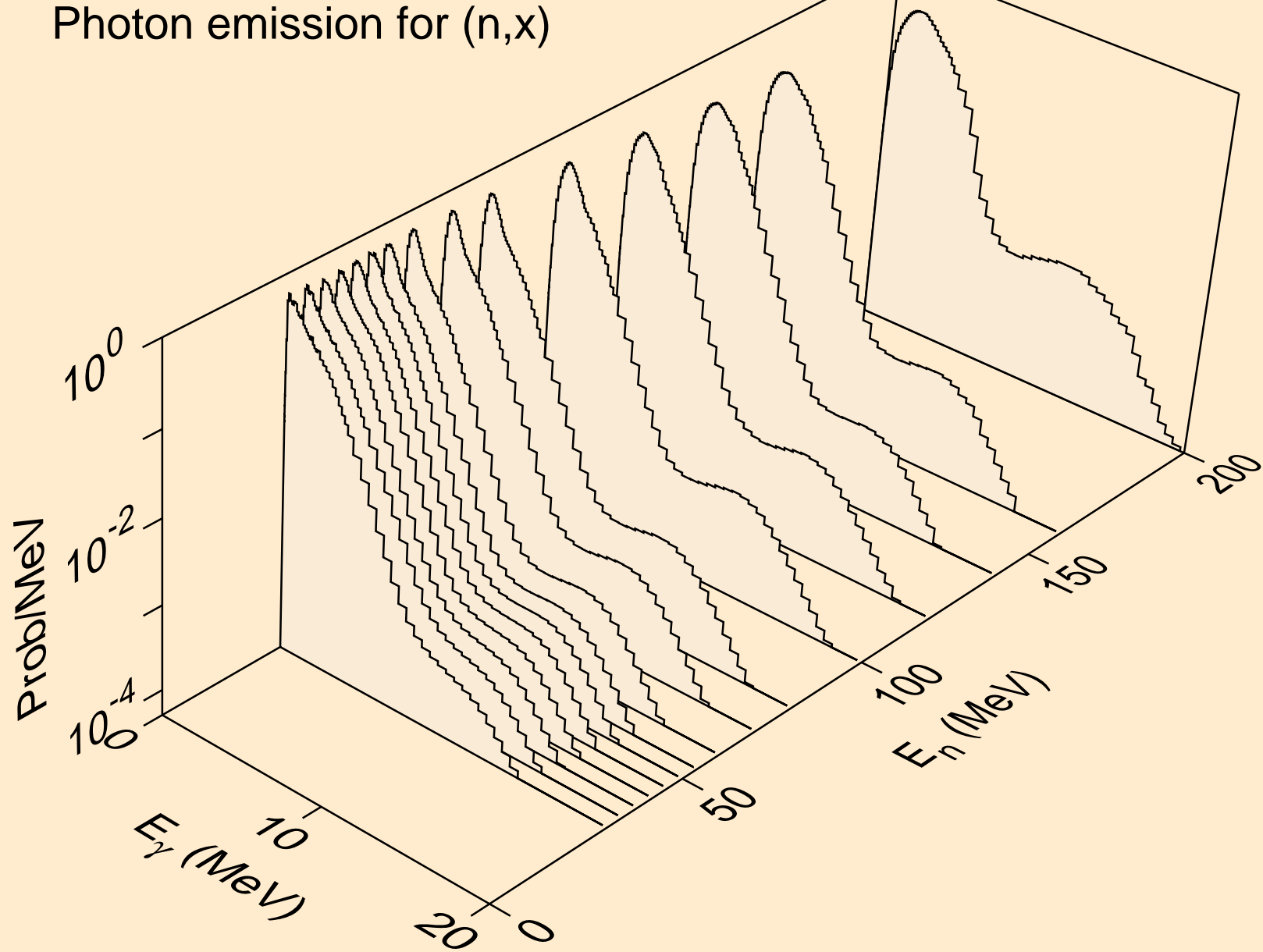
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



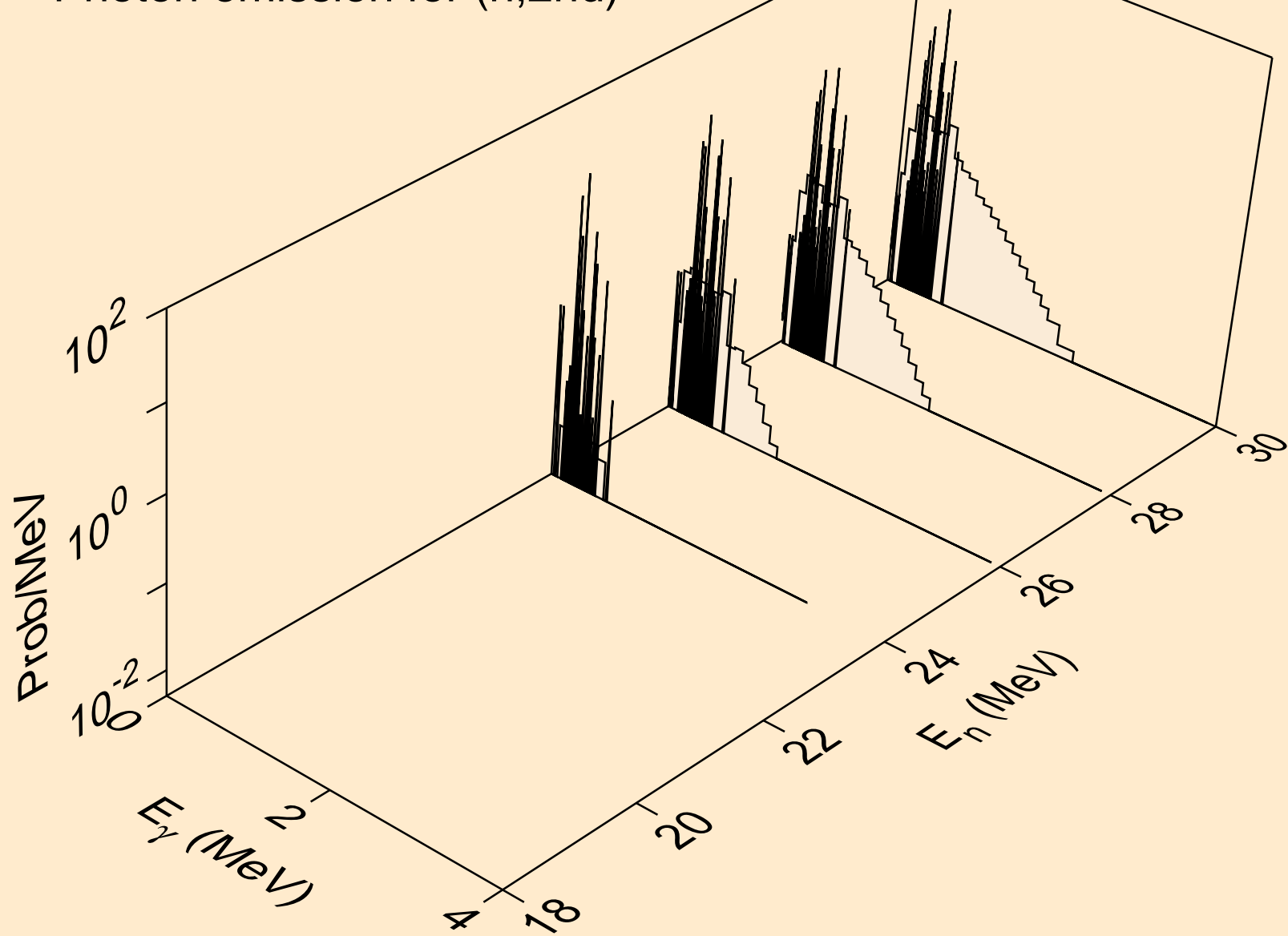
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)

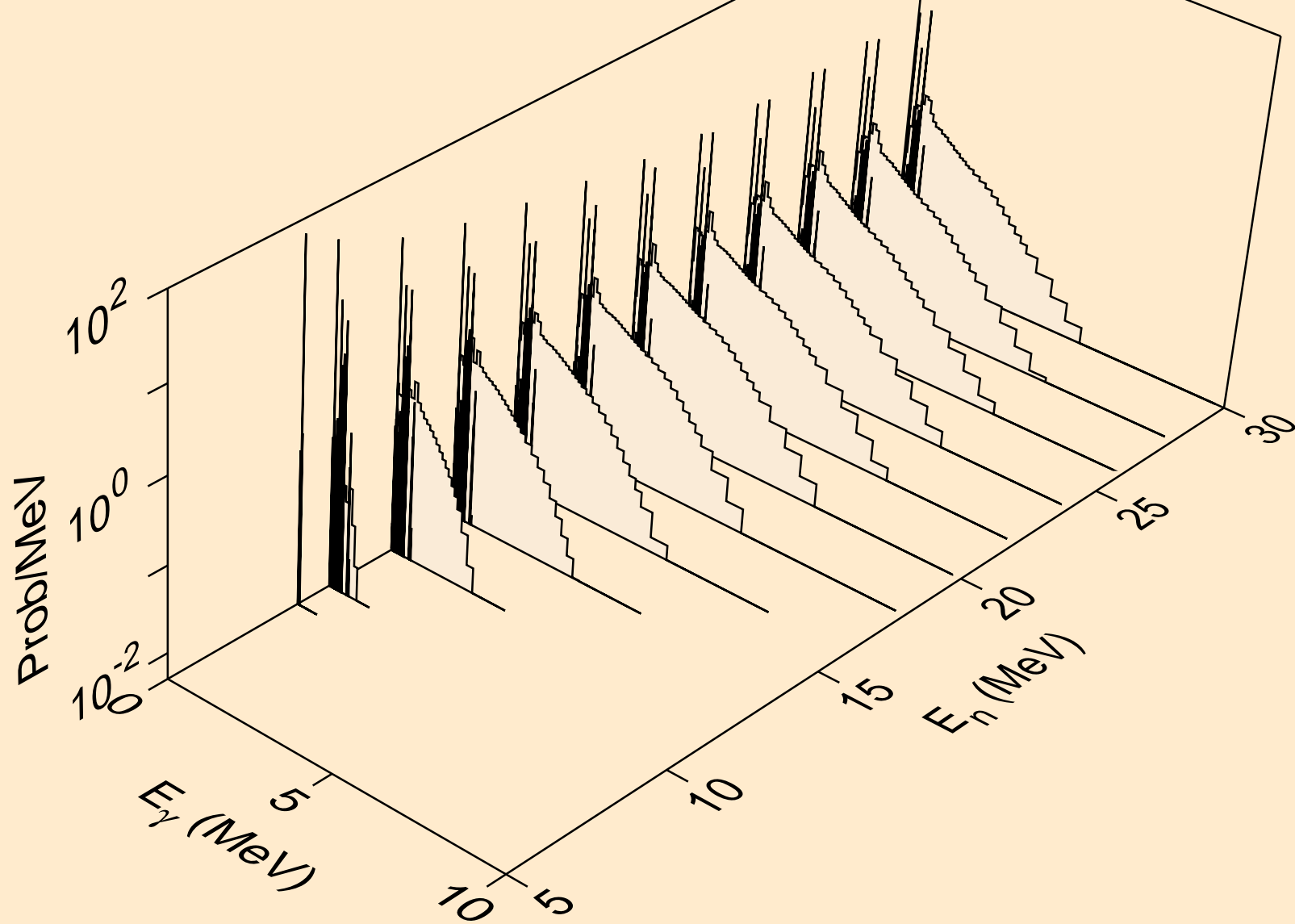


HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)

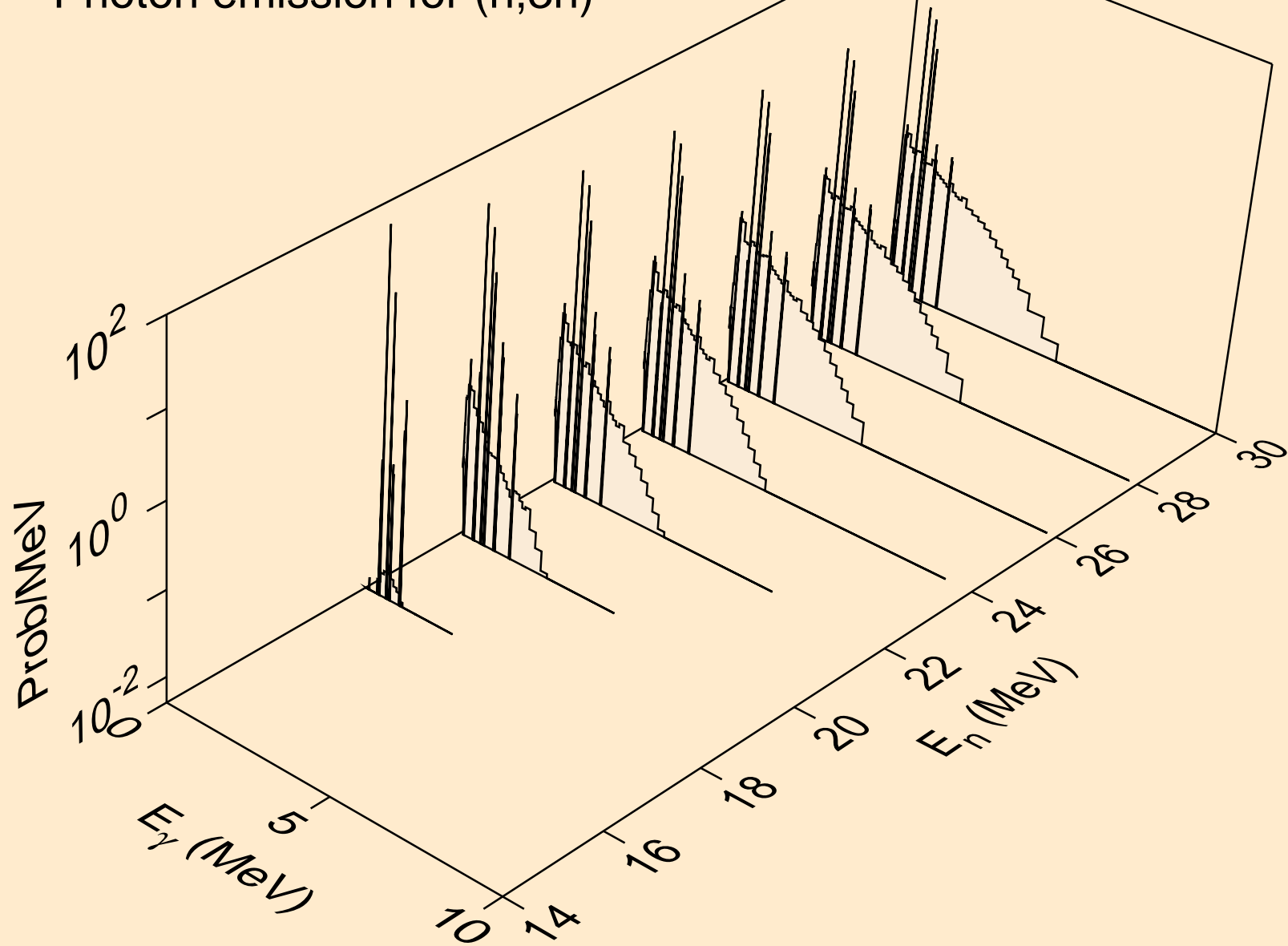




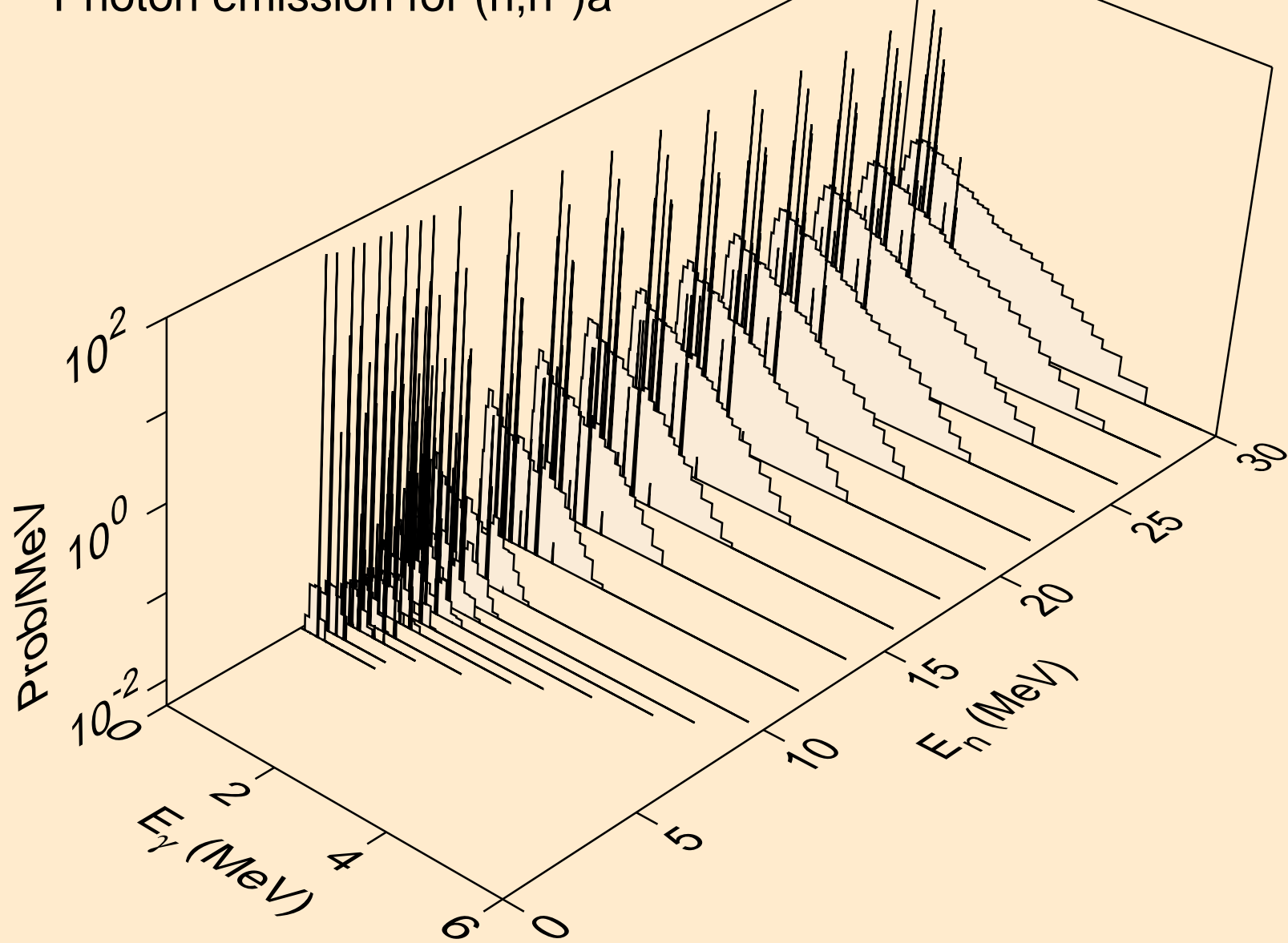
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



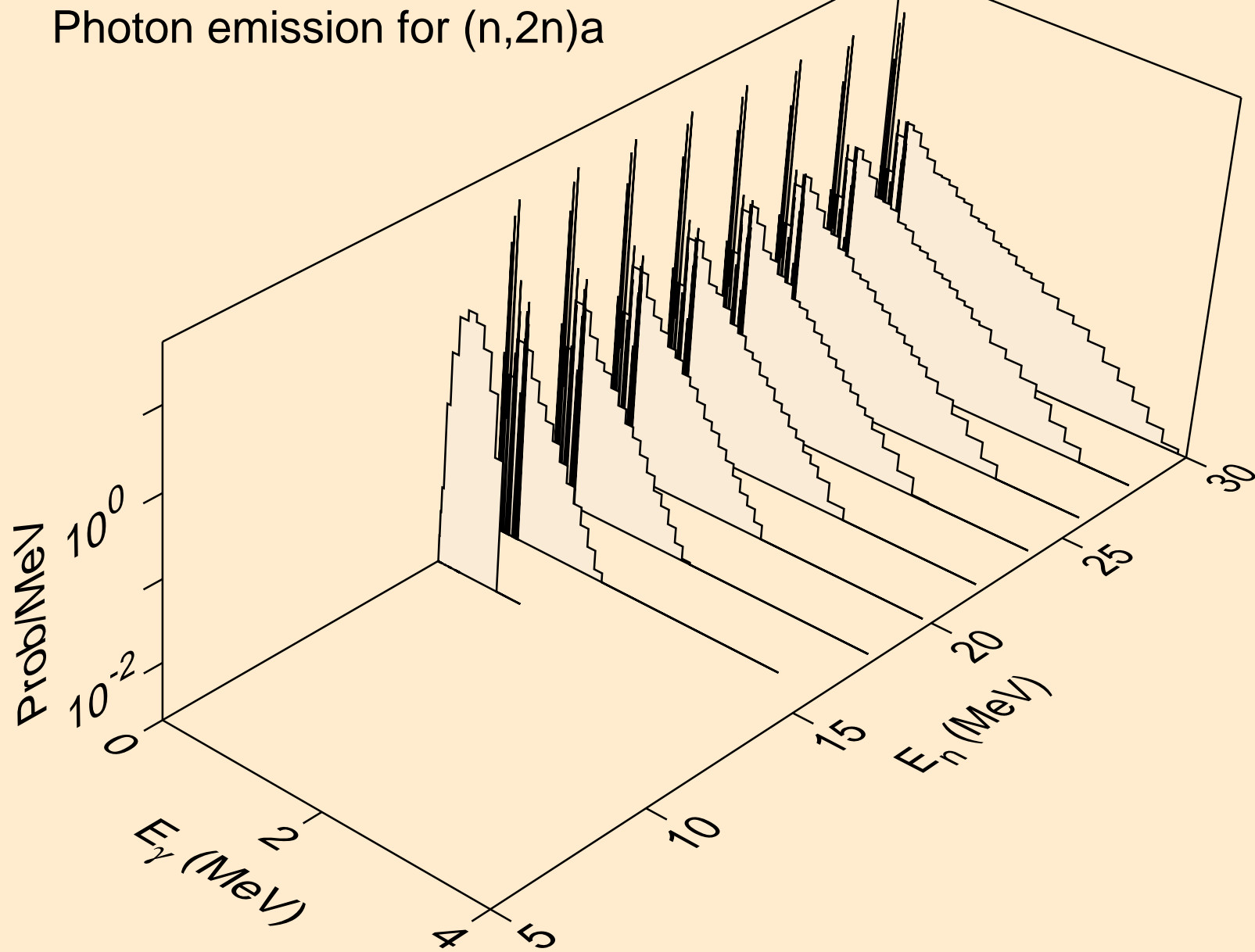
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



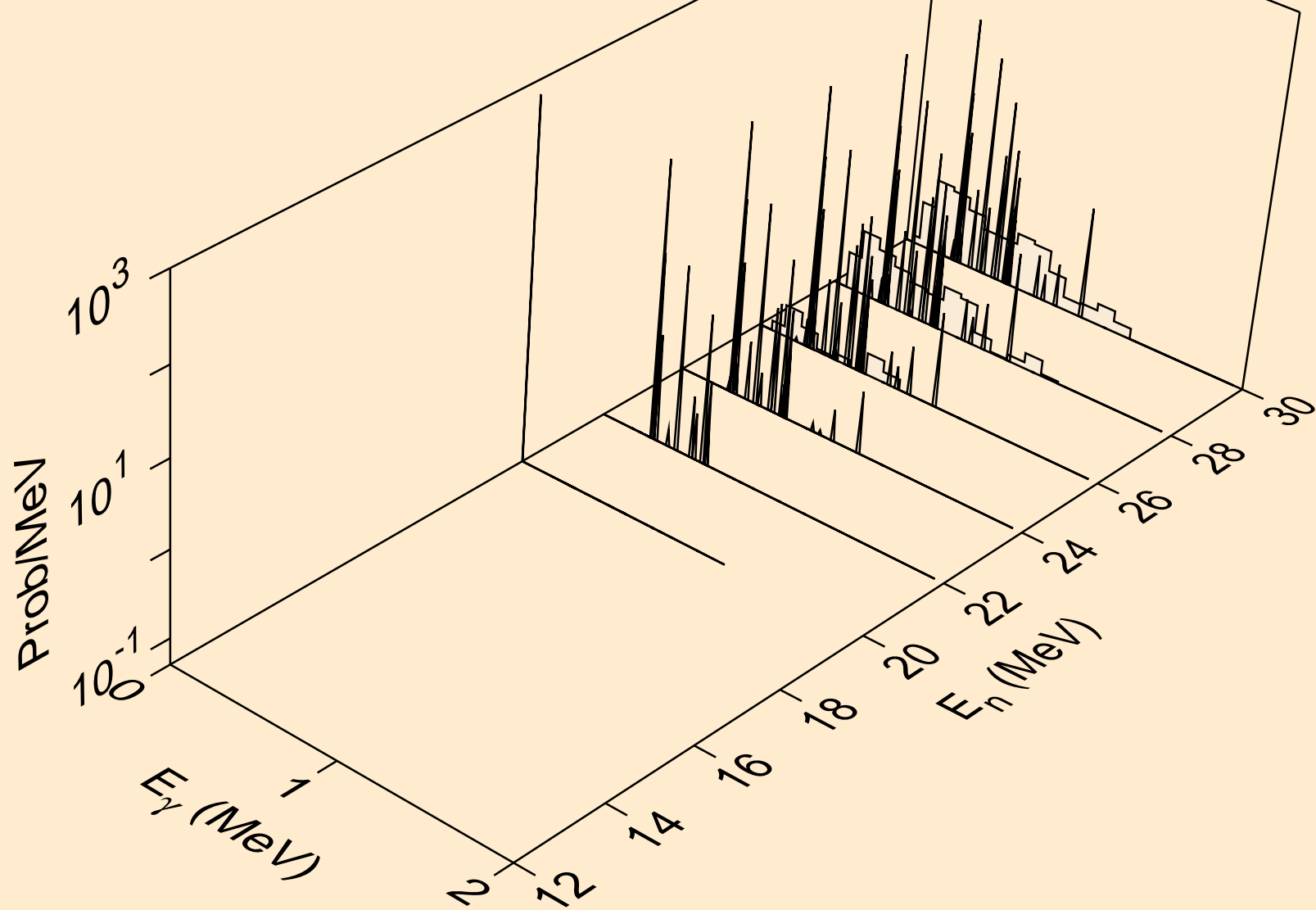
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



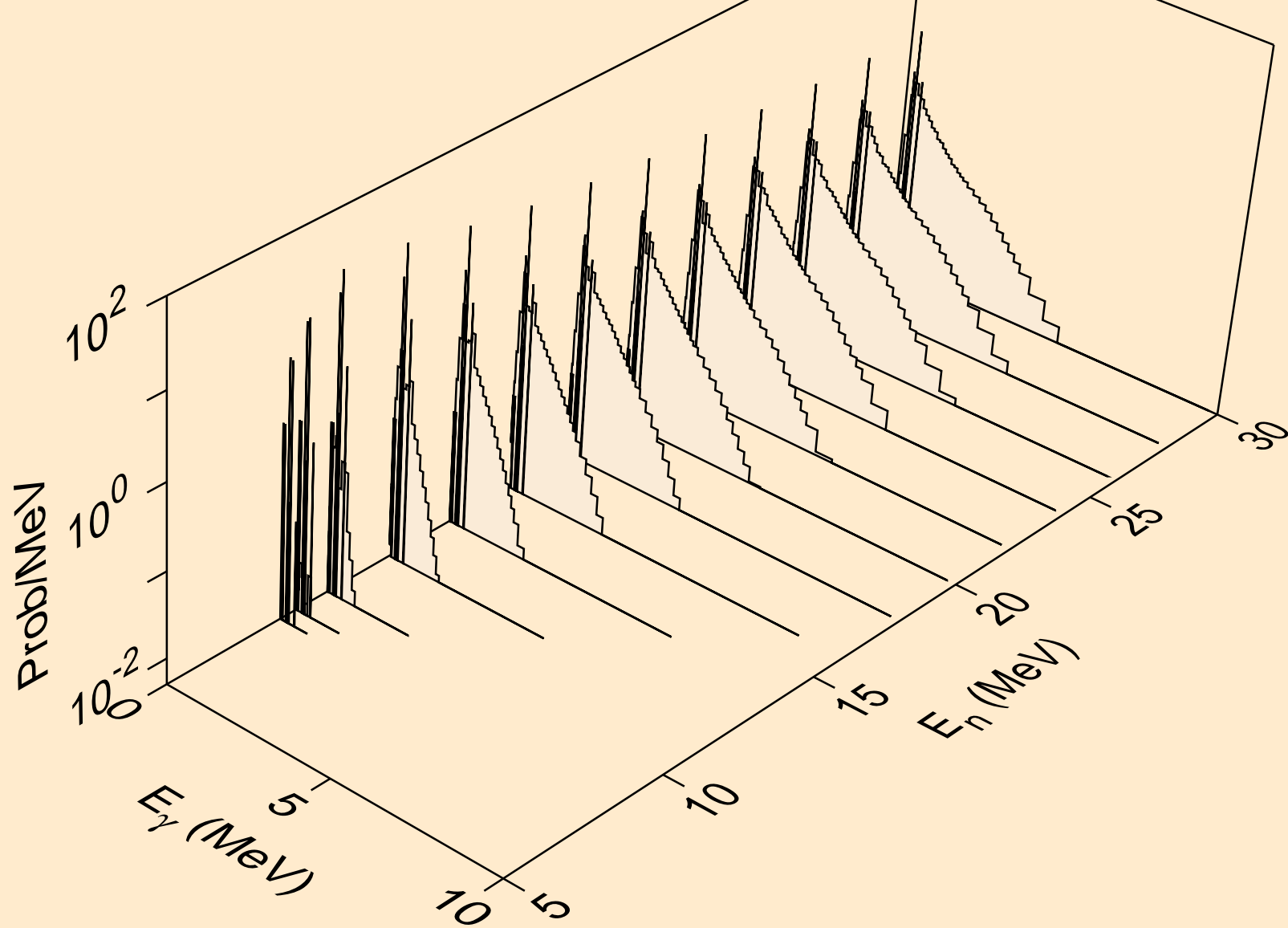
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



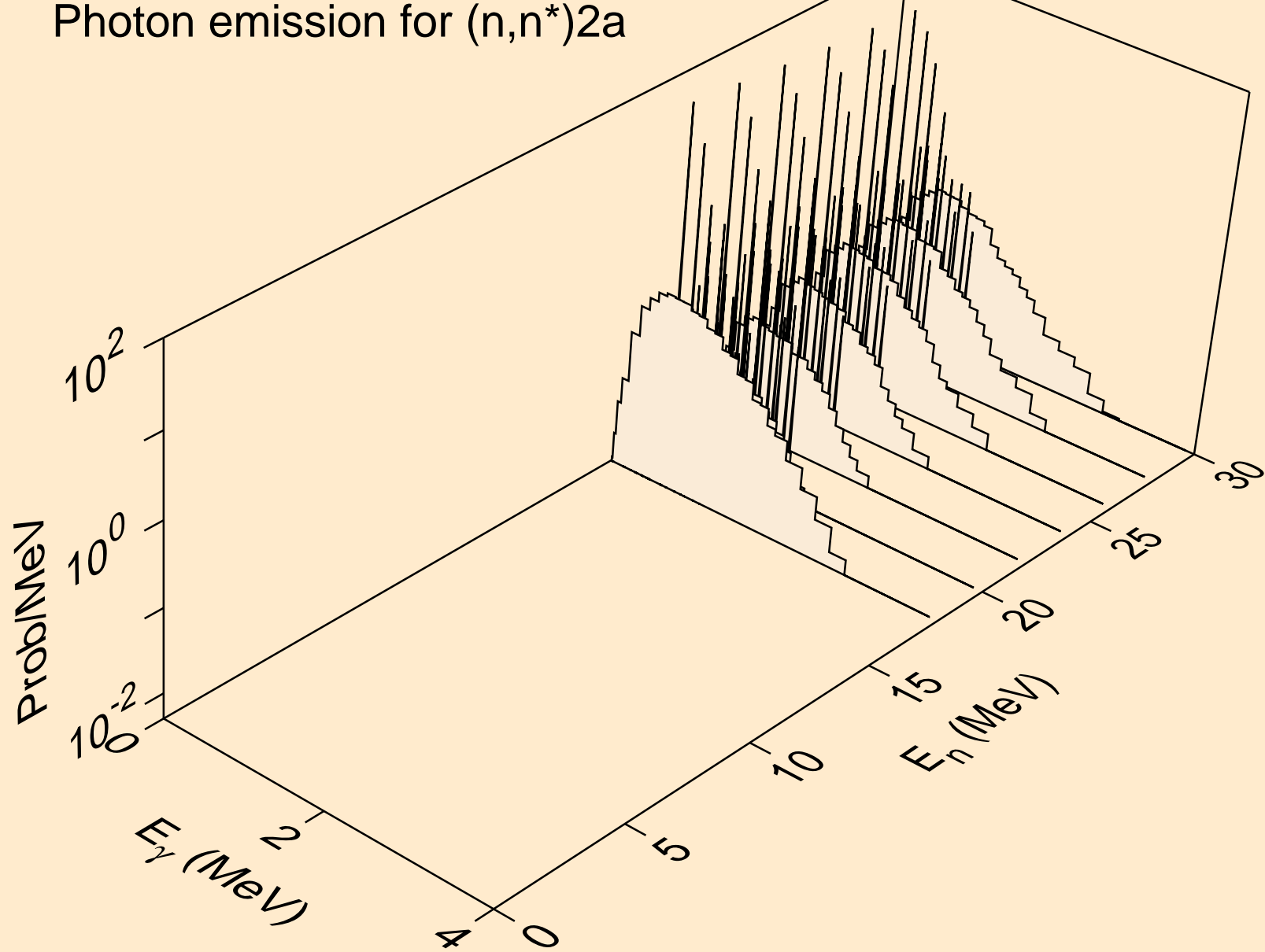
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



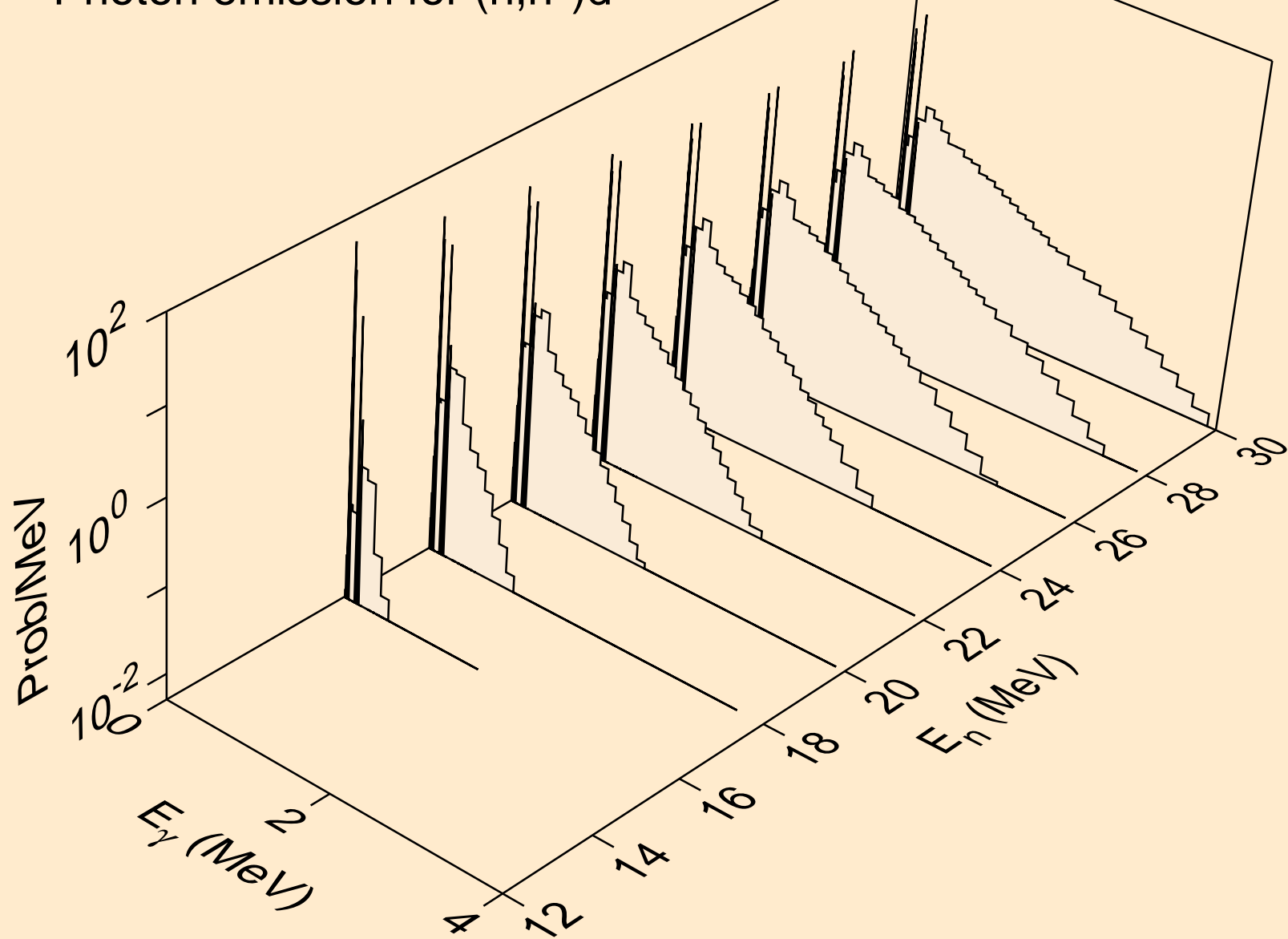
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

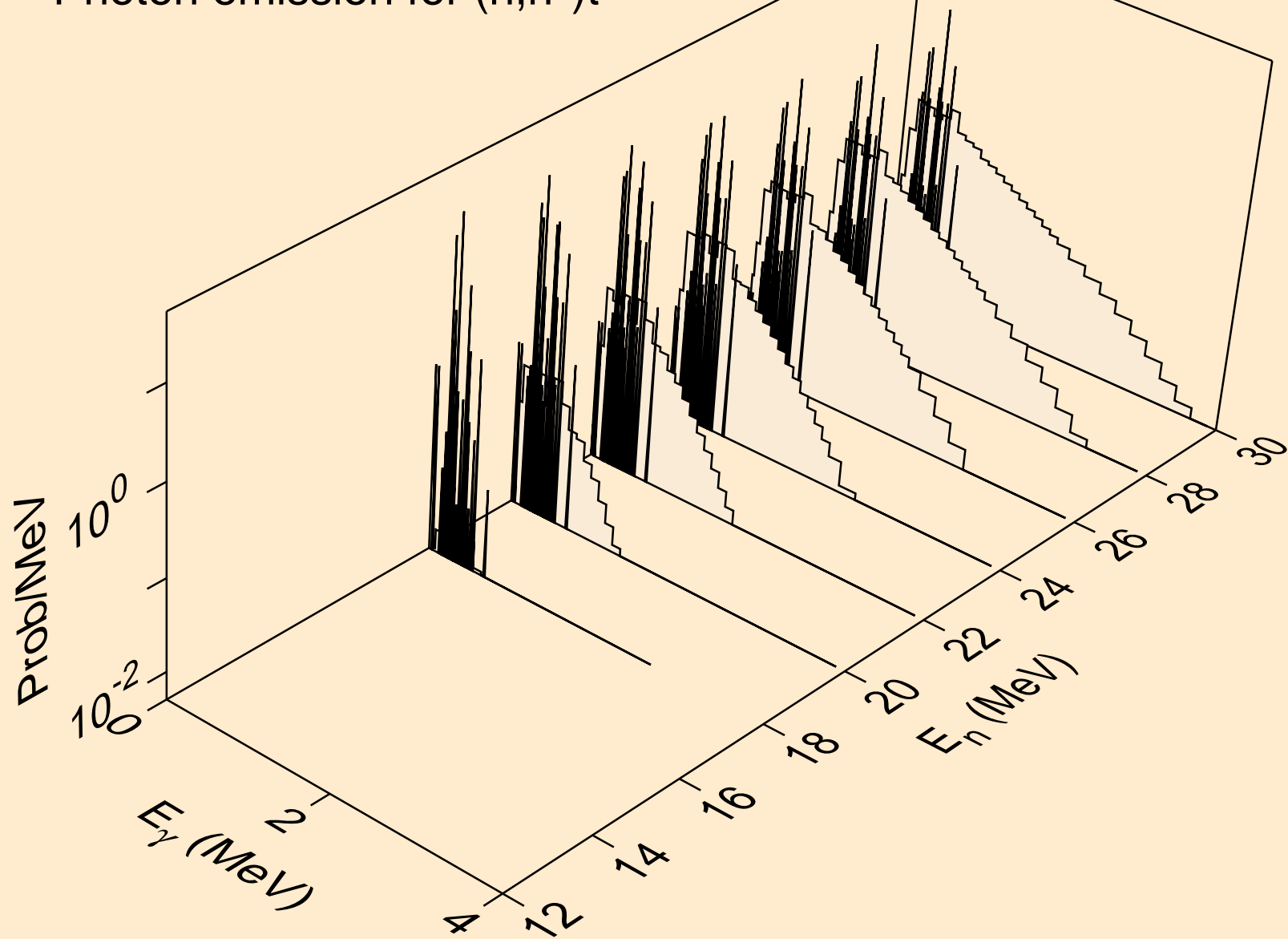


HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

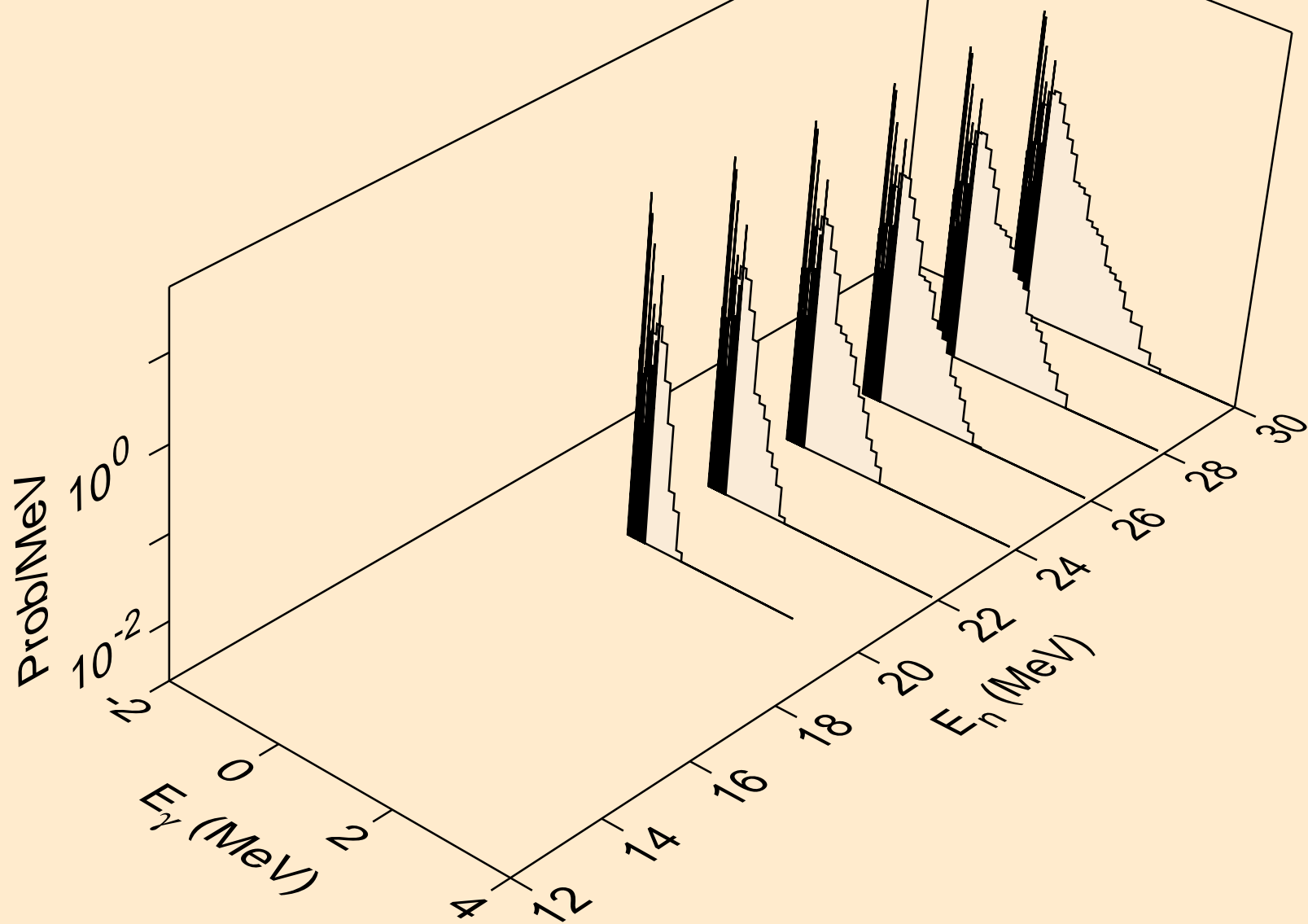




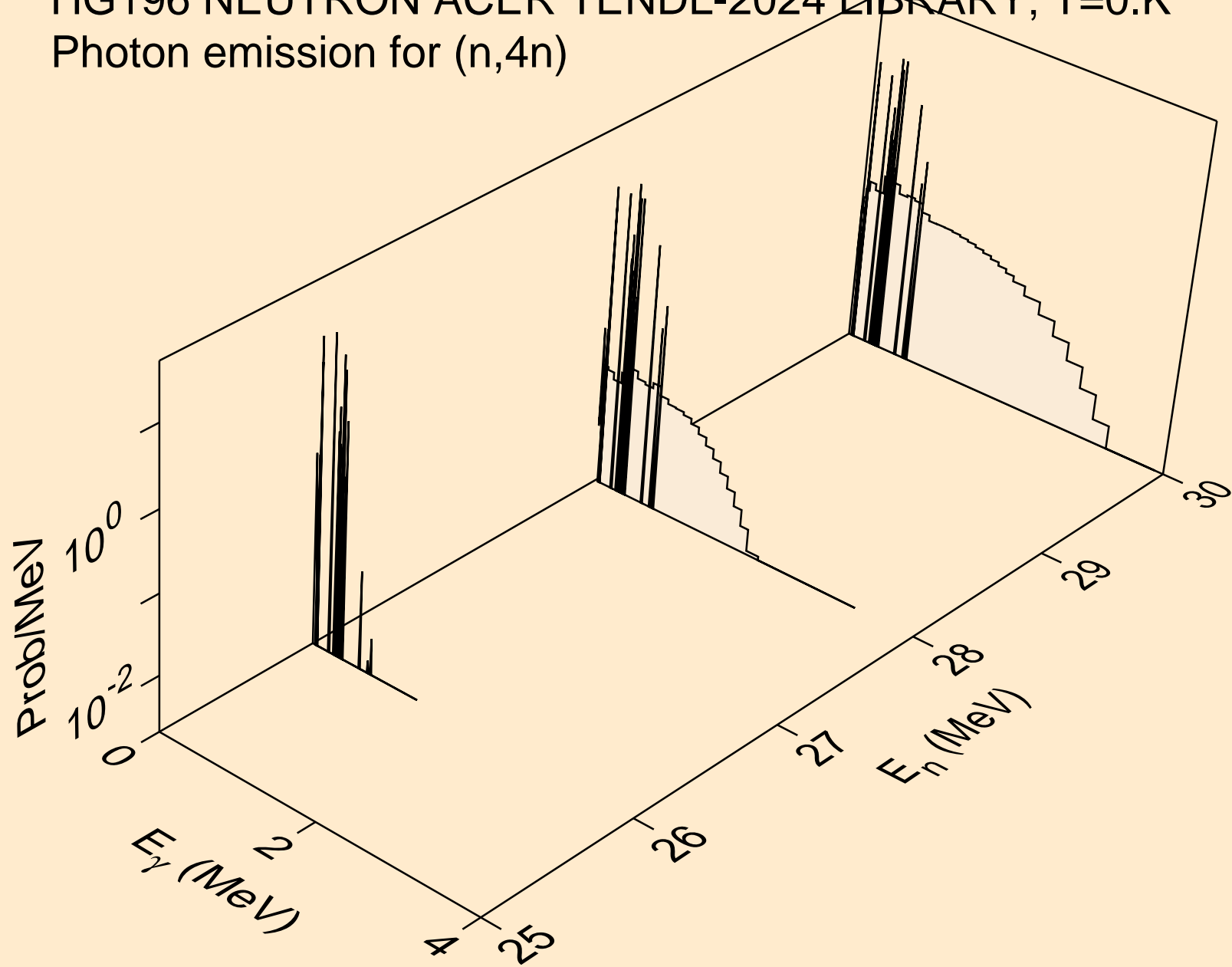
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



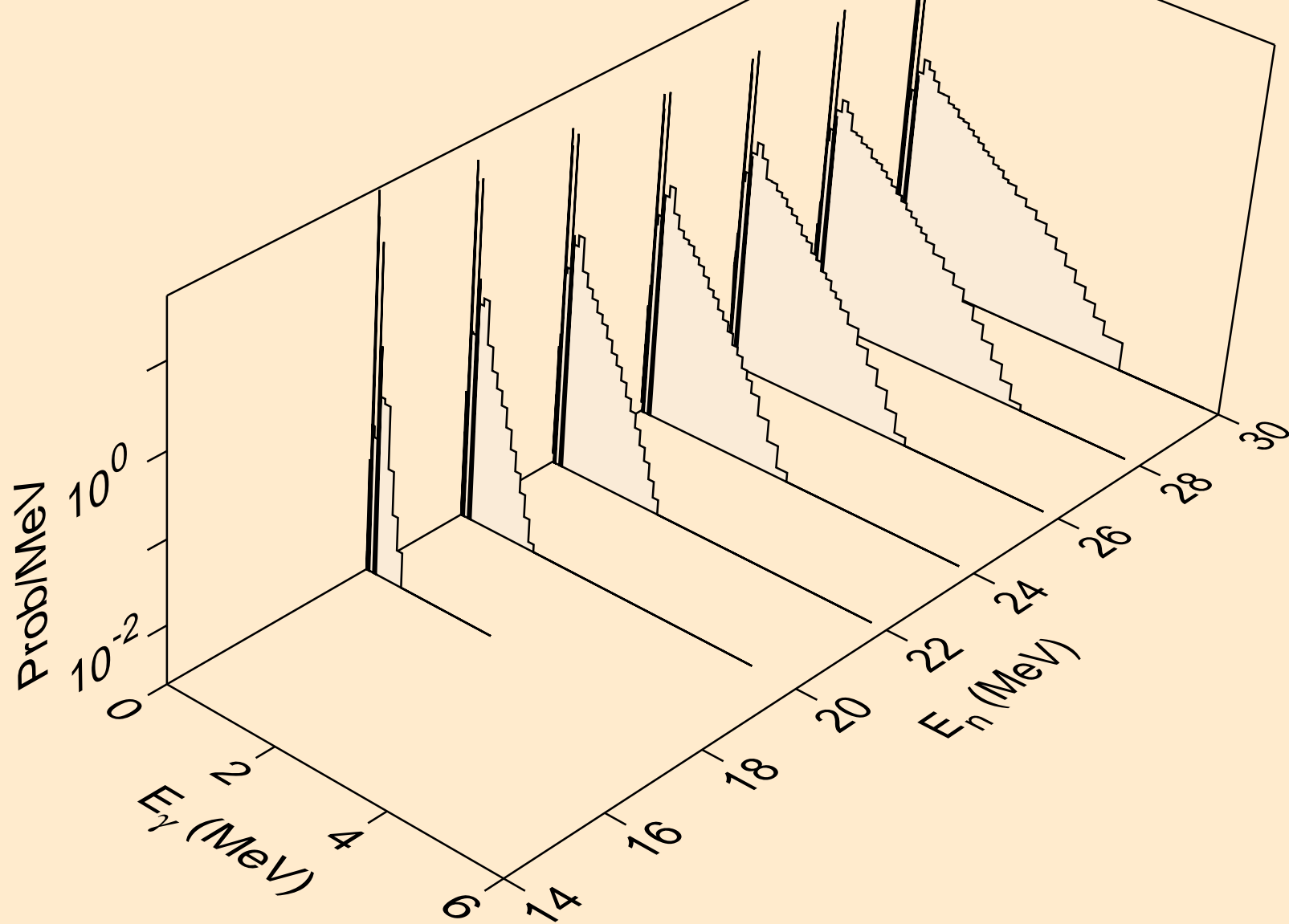
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



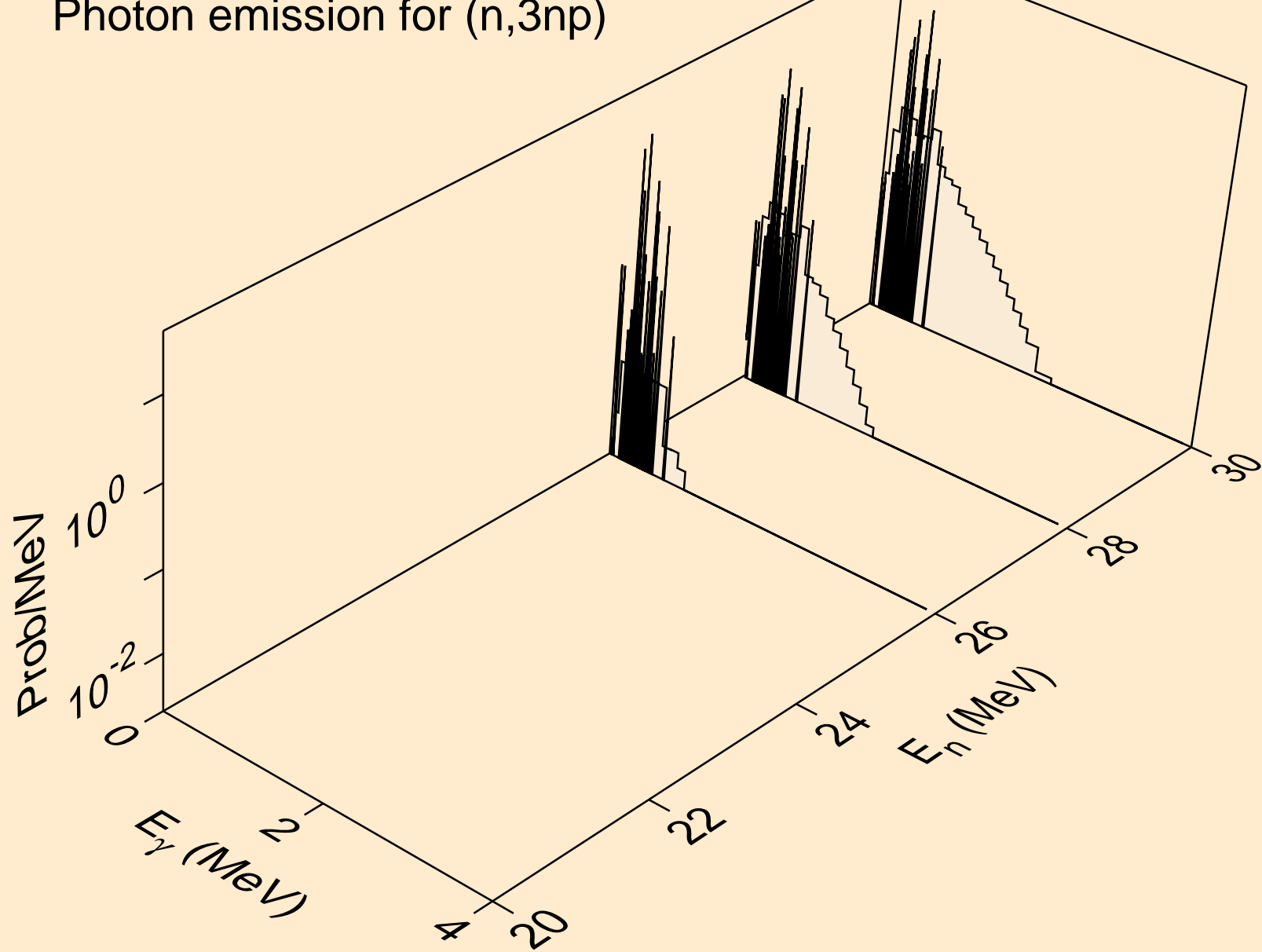
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



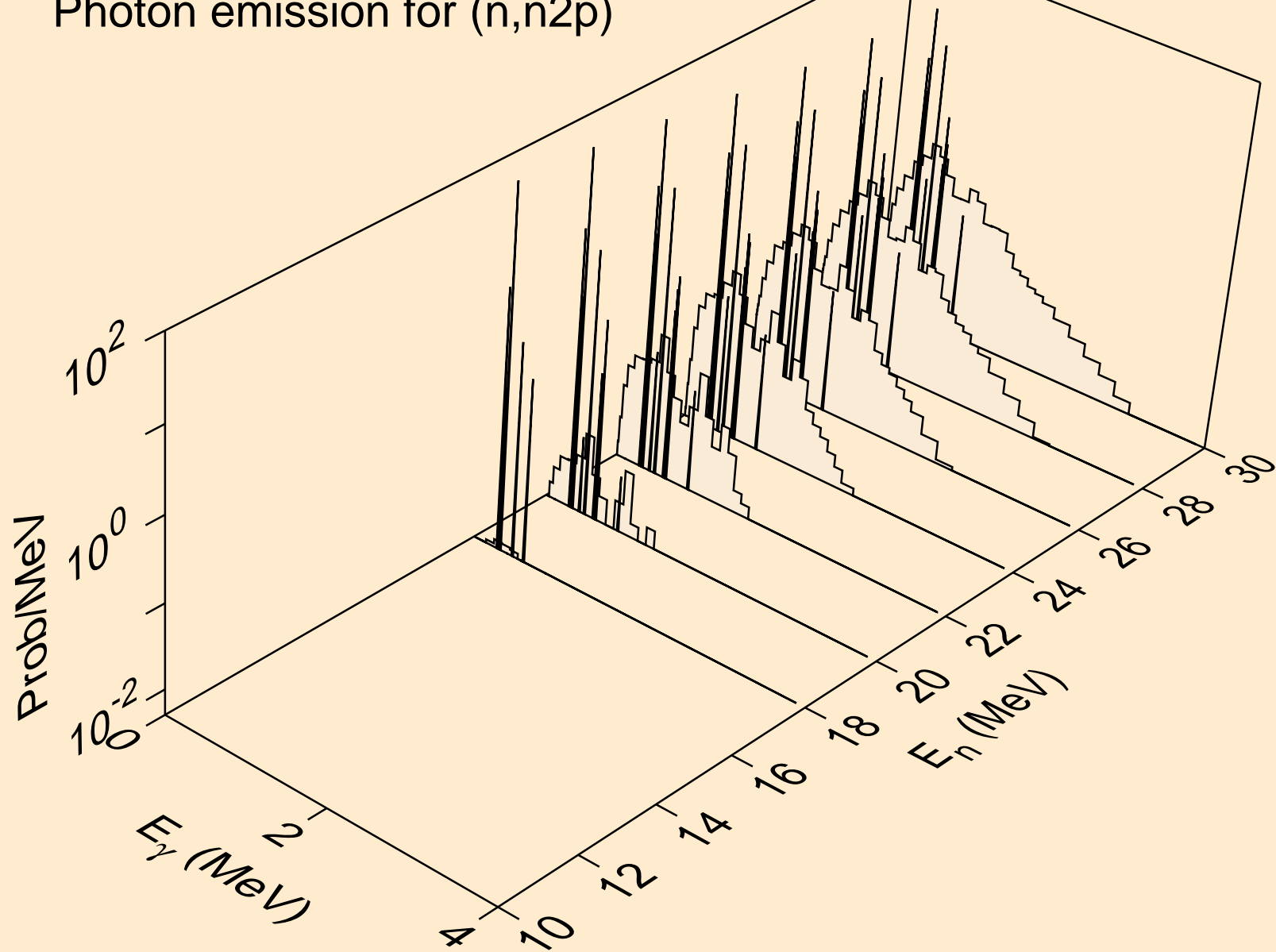
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



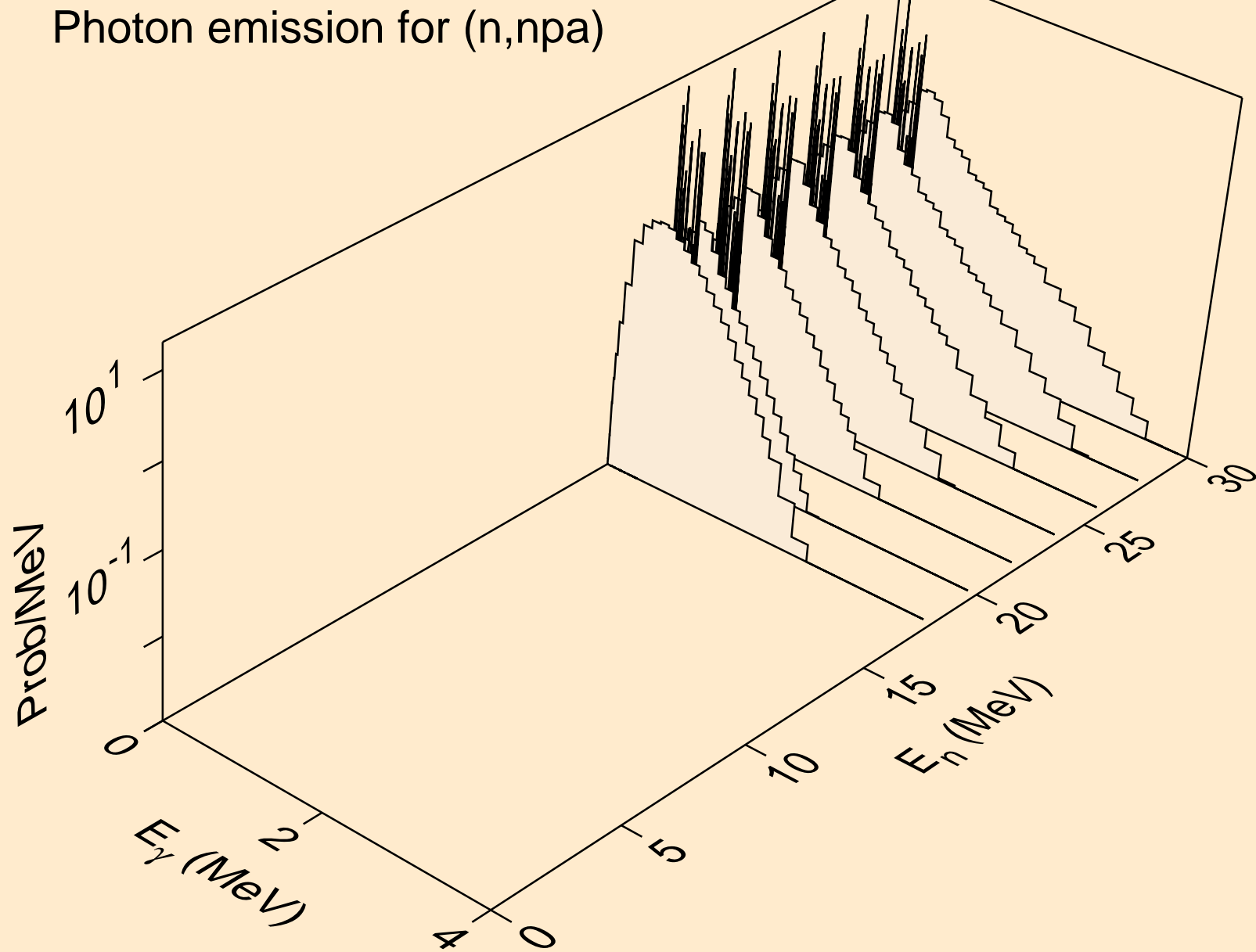
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



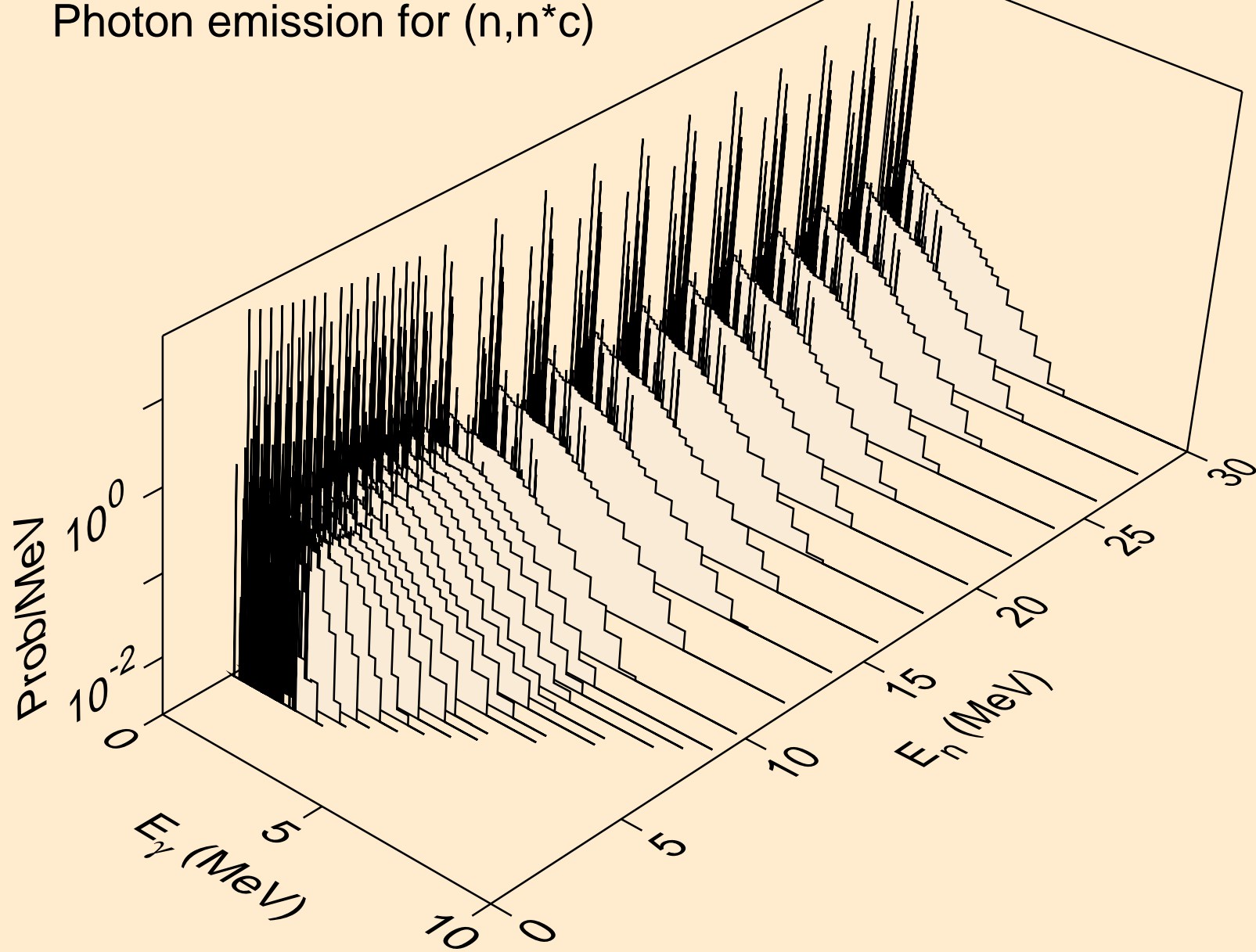
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)

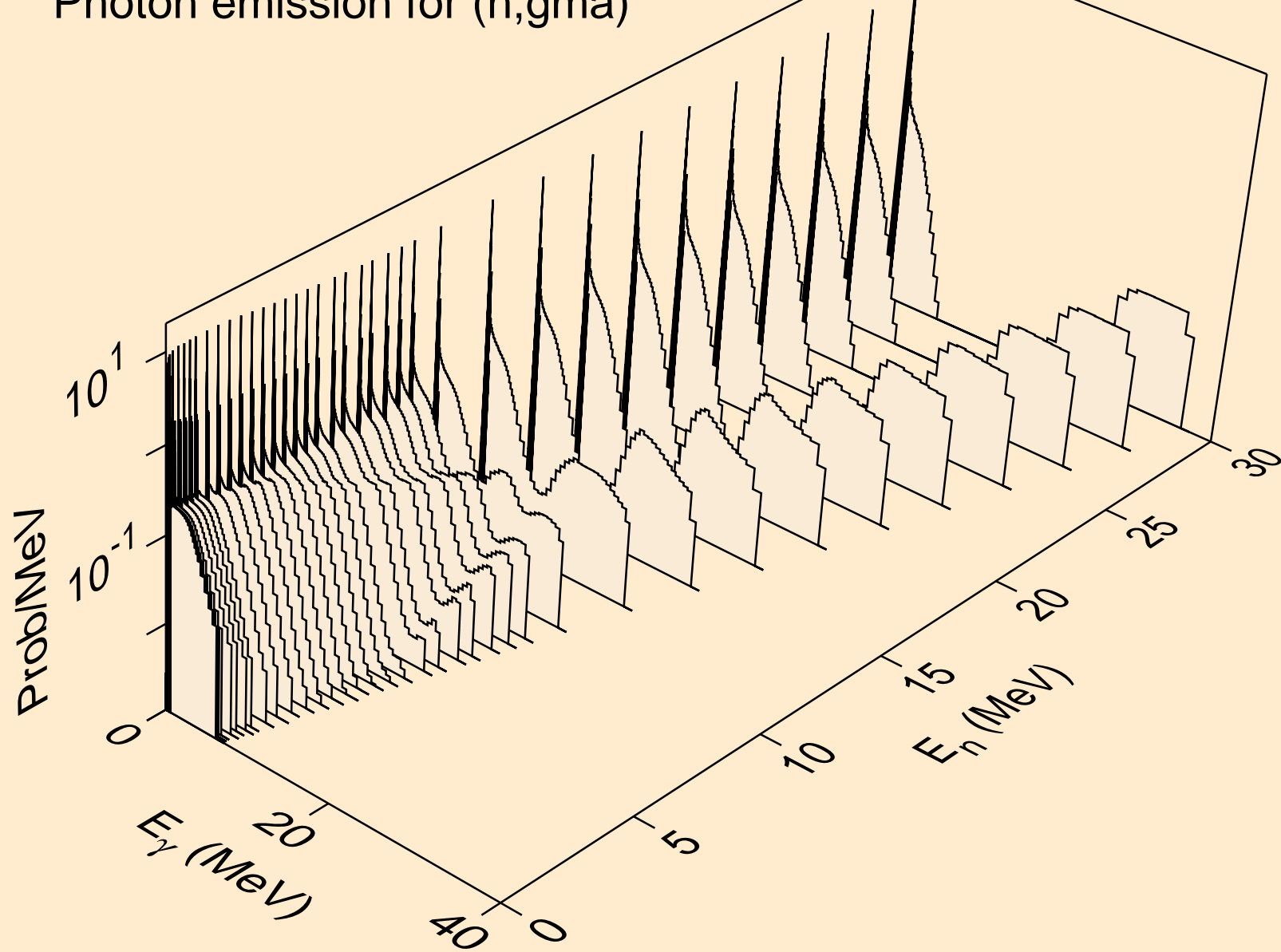


HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)

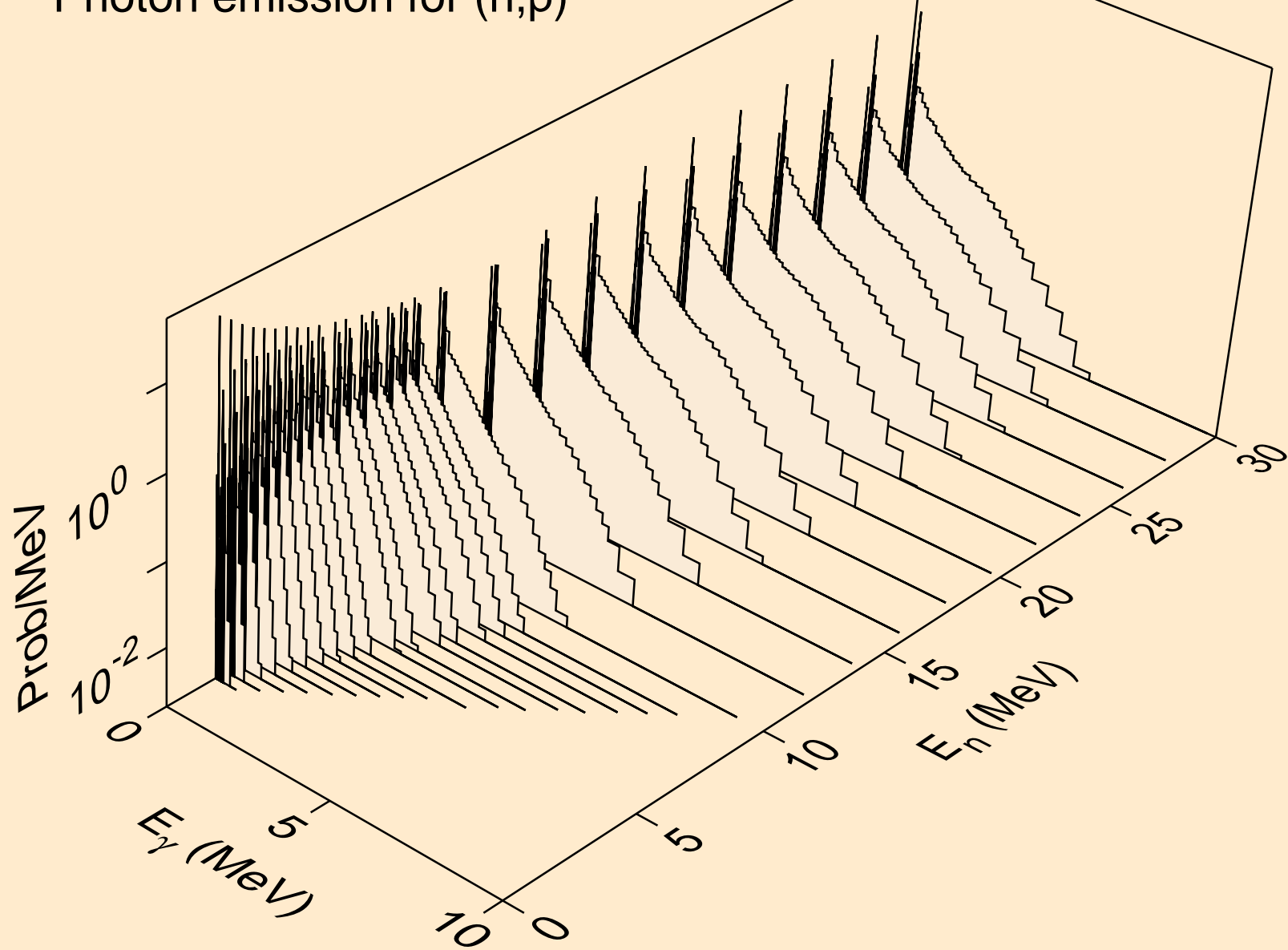




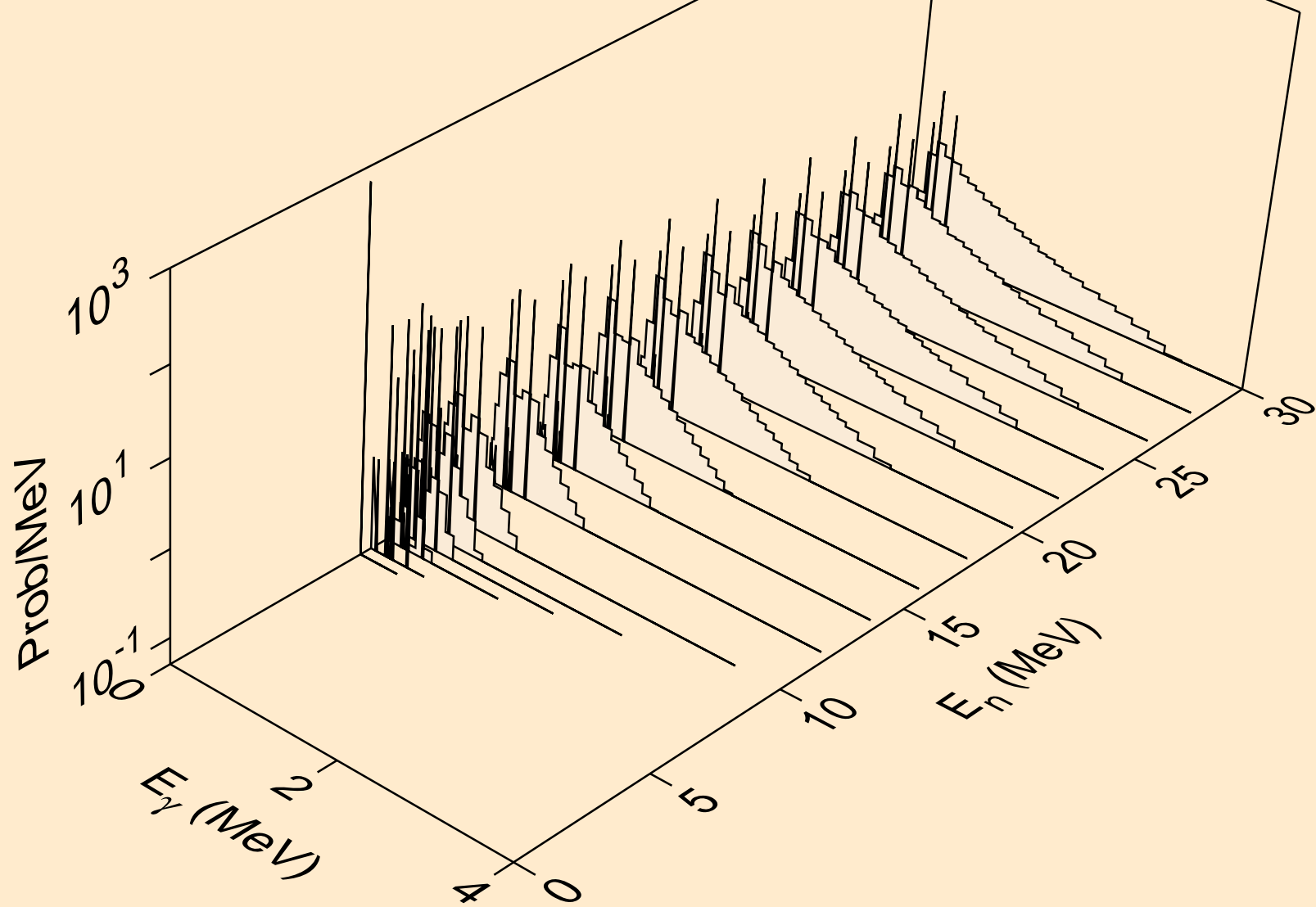
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Photon emission for (n,gma)



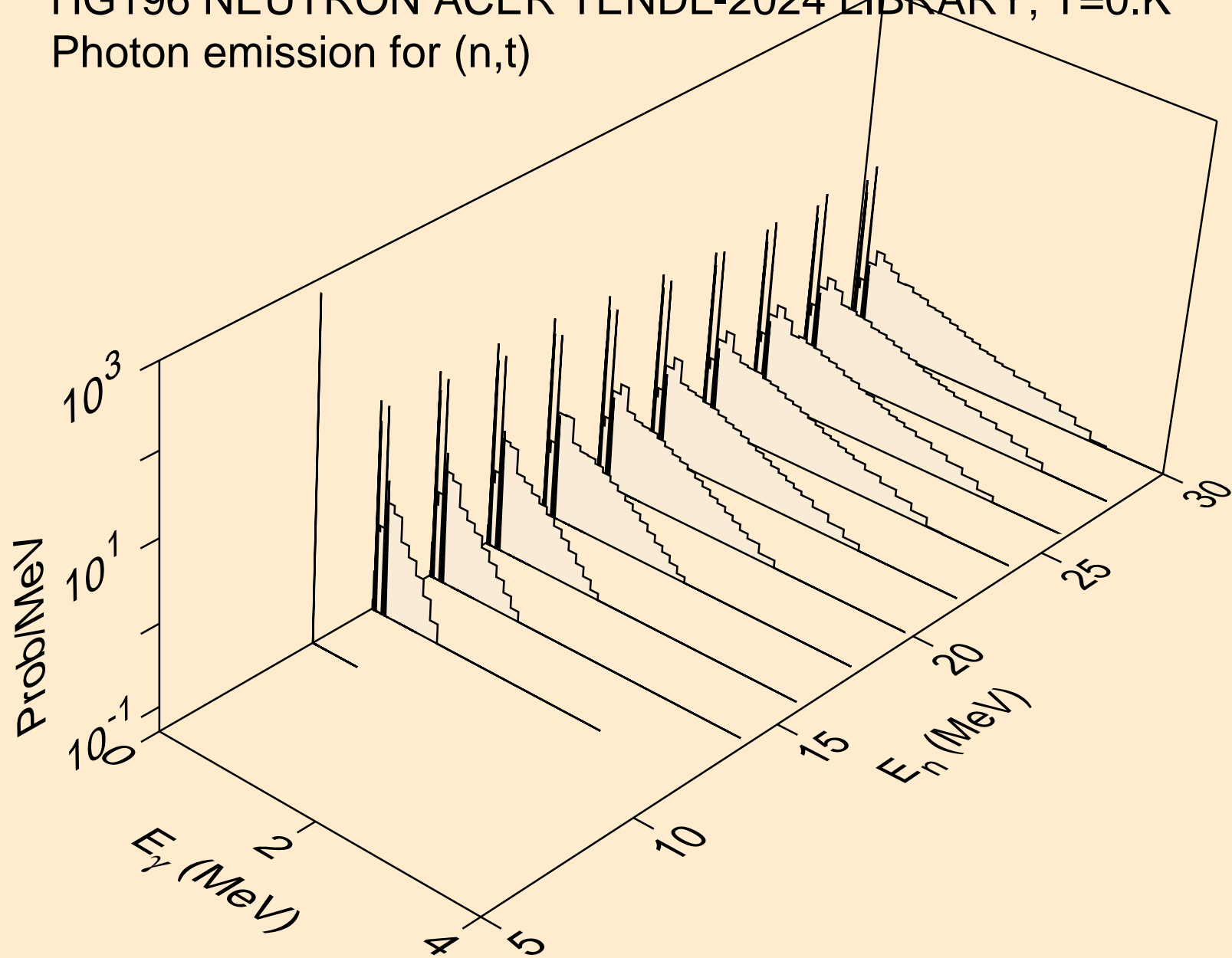
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



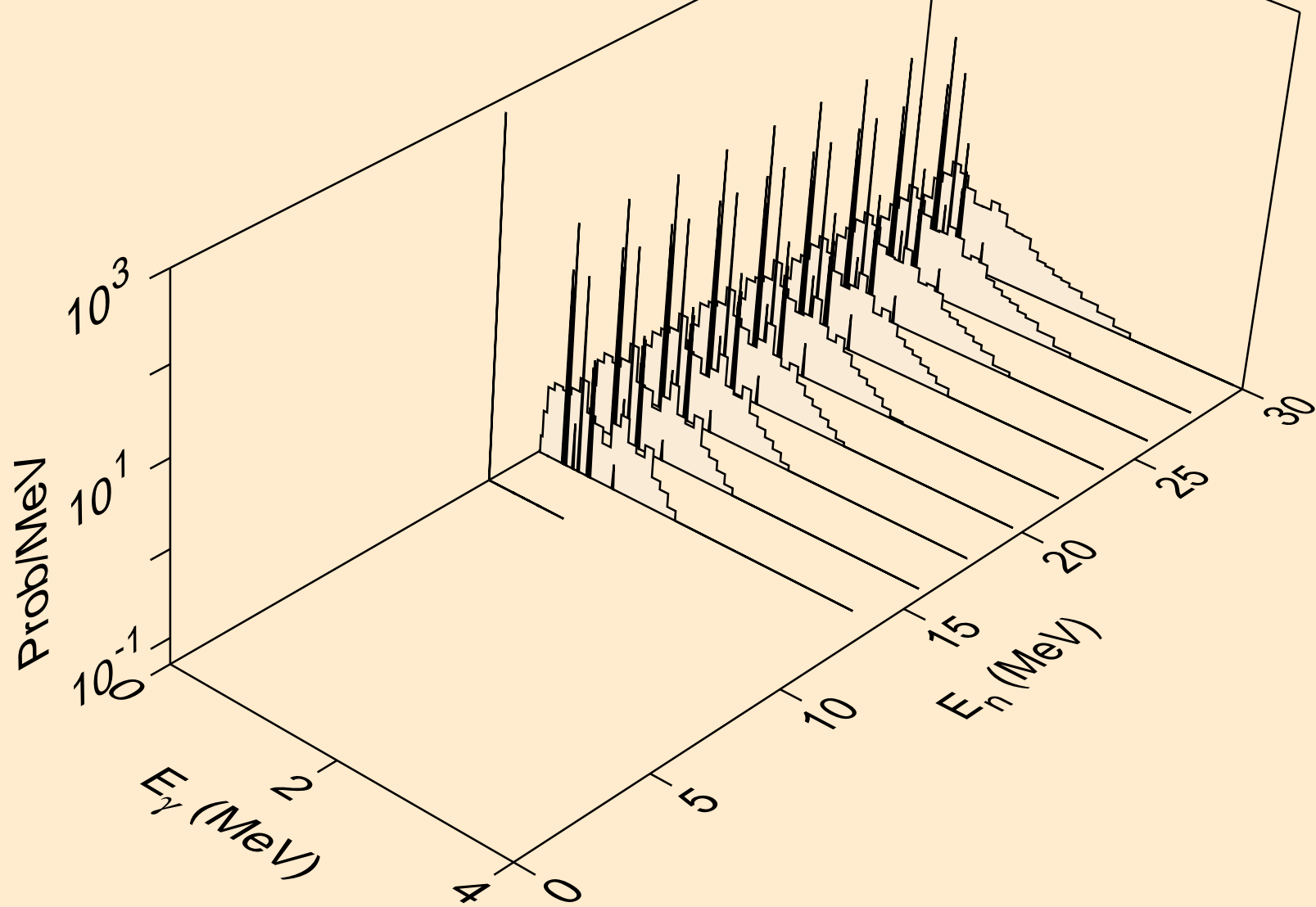
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Photon emission for (n,d)



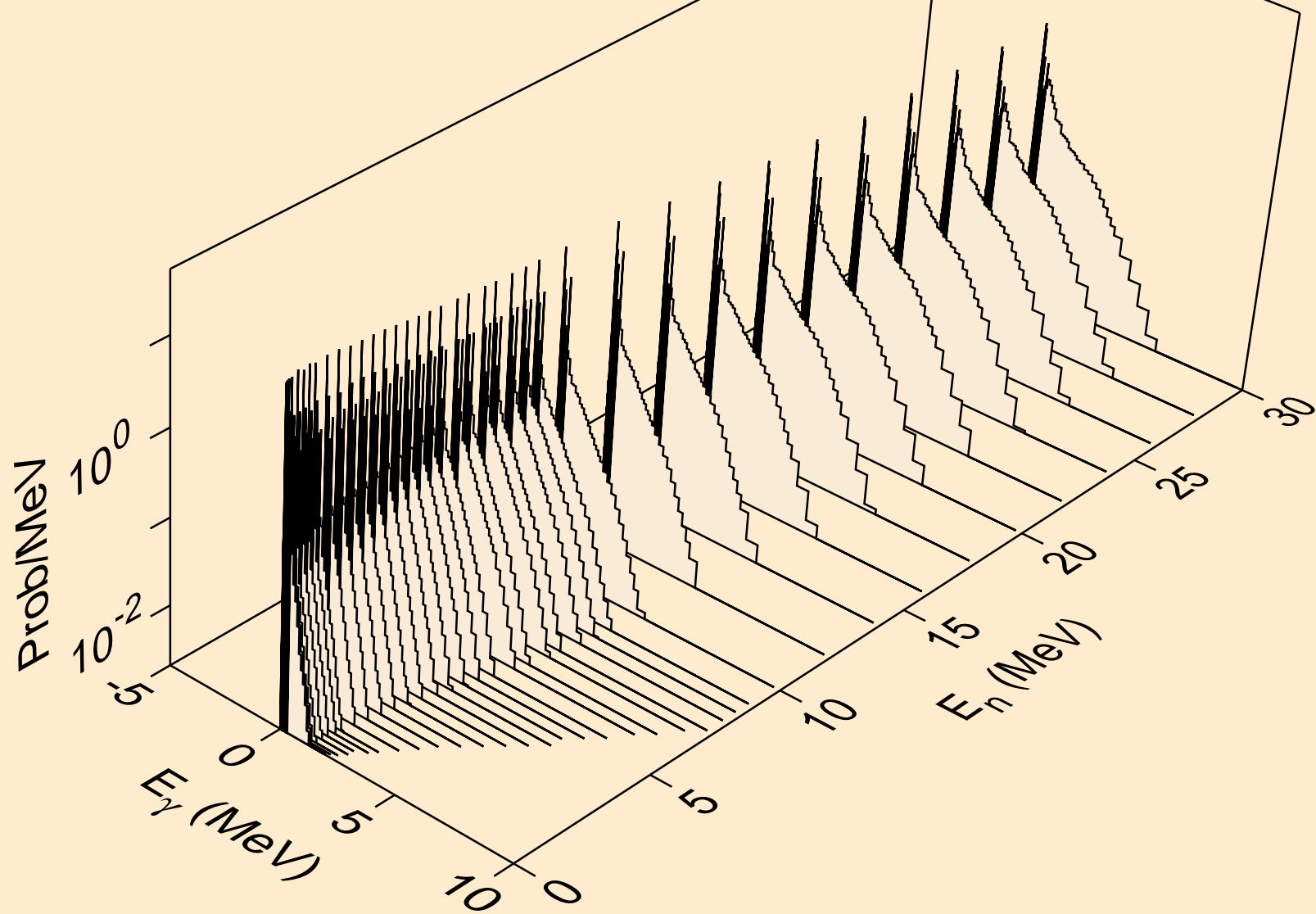
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Photon emission for (n,t)



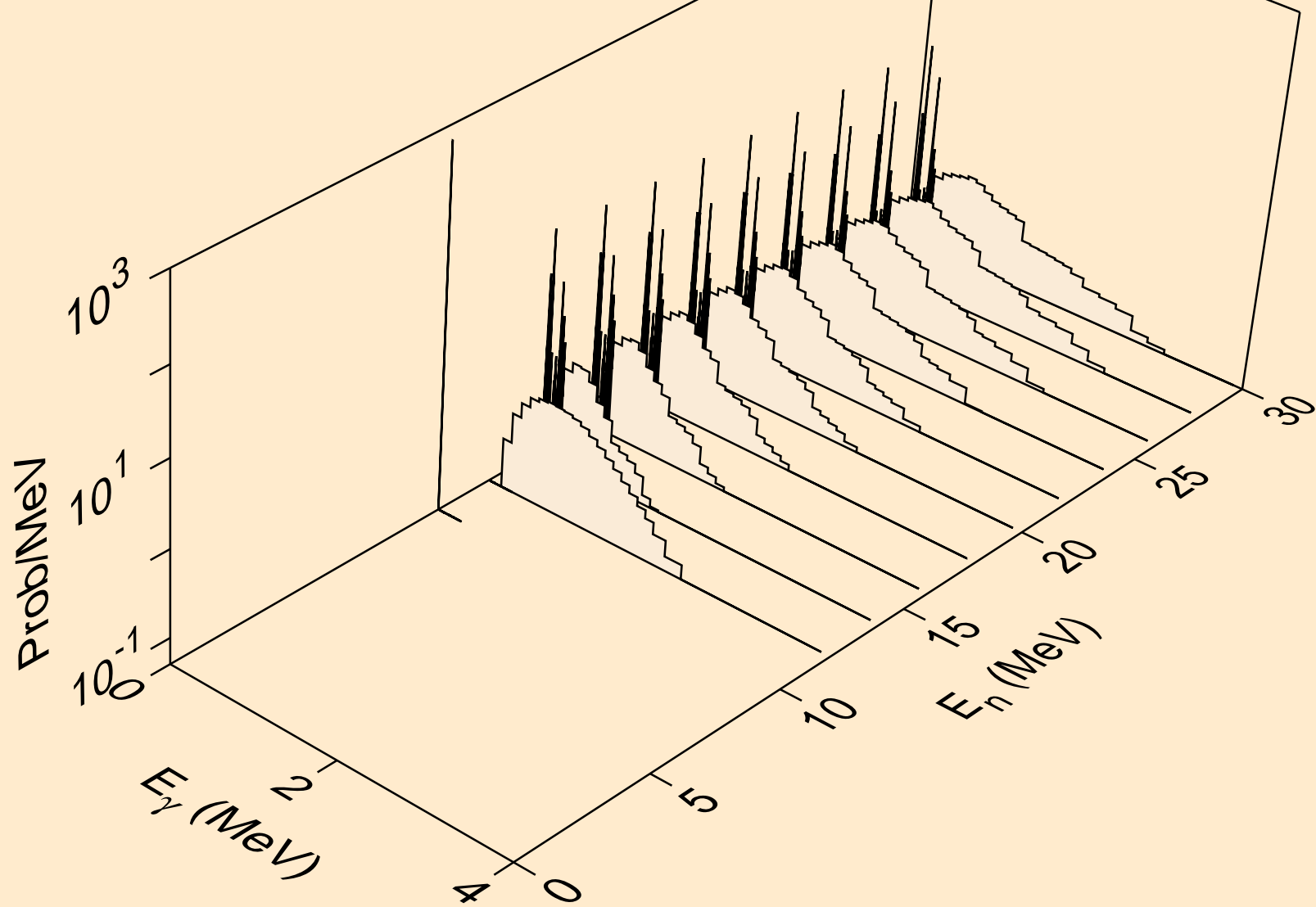
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Photon emission for (n,he3)



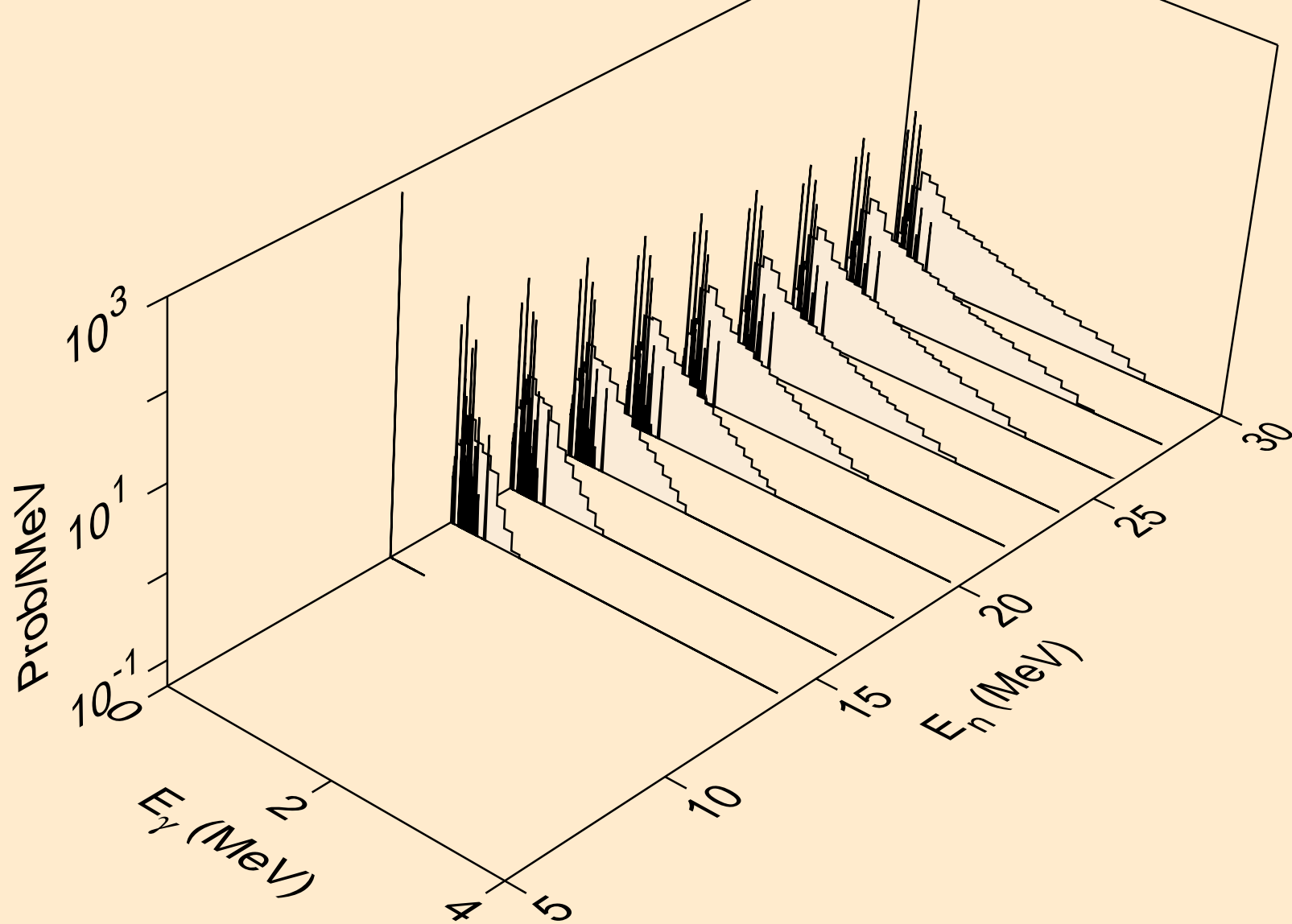
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)

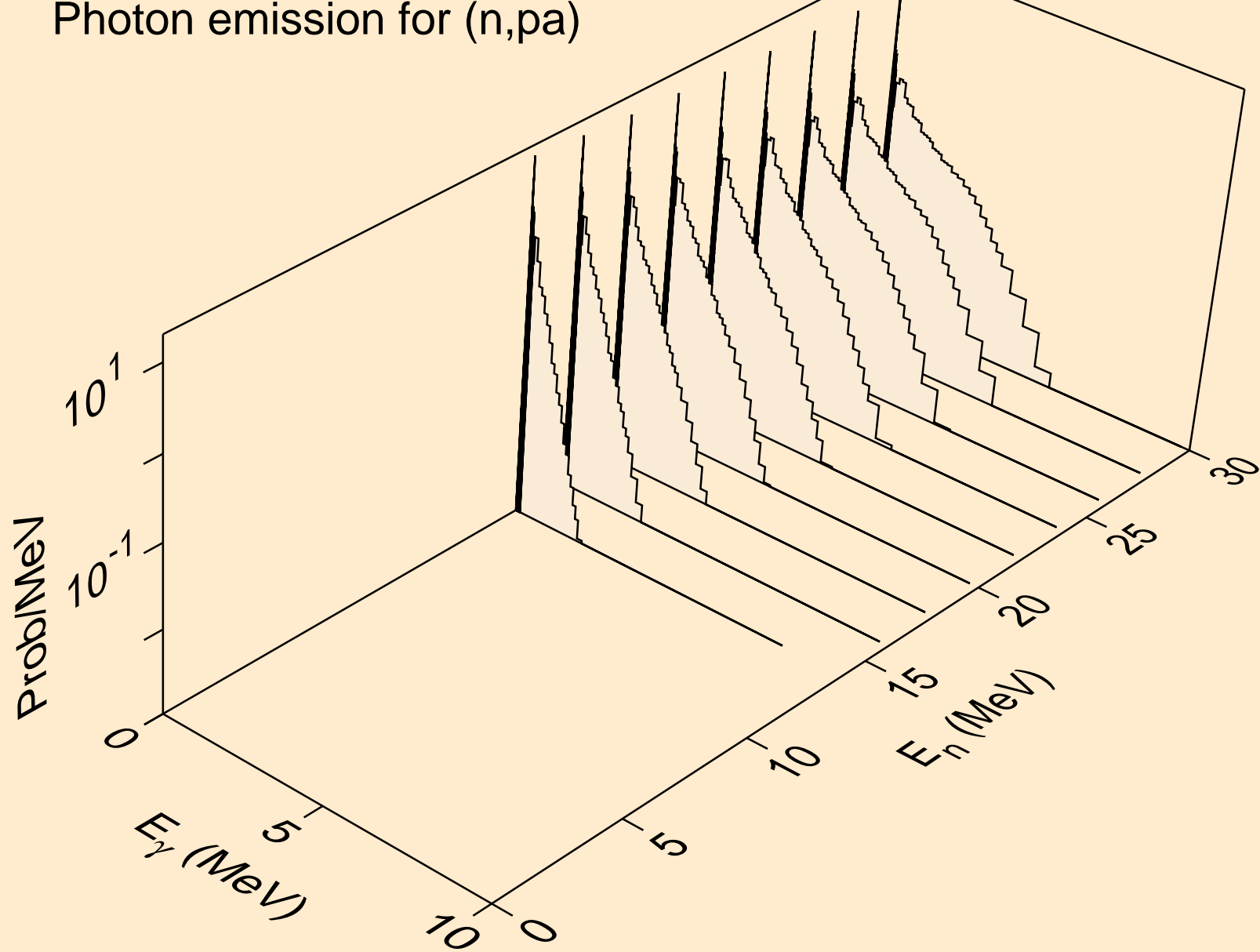


HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)

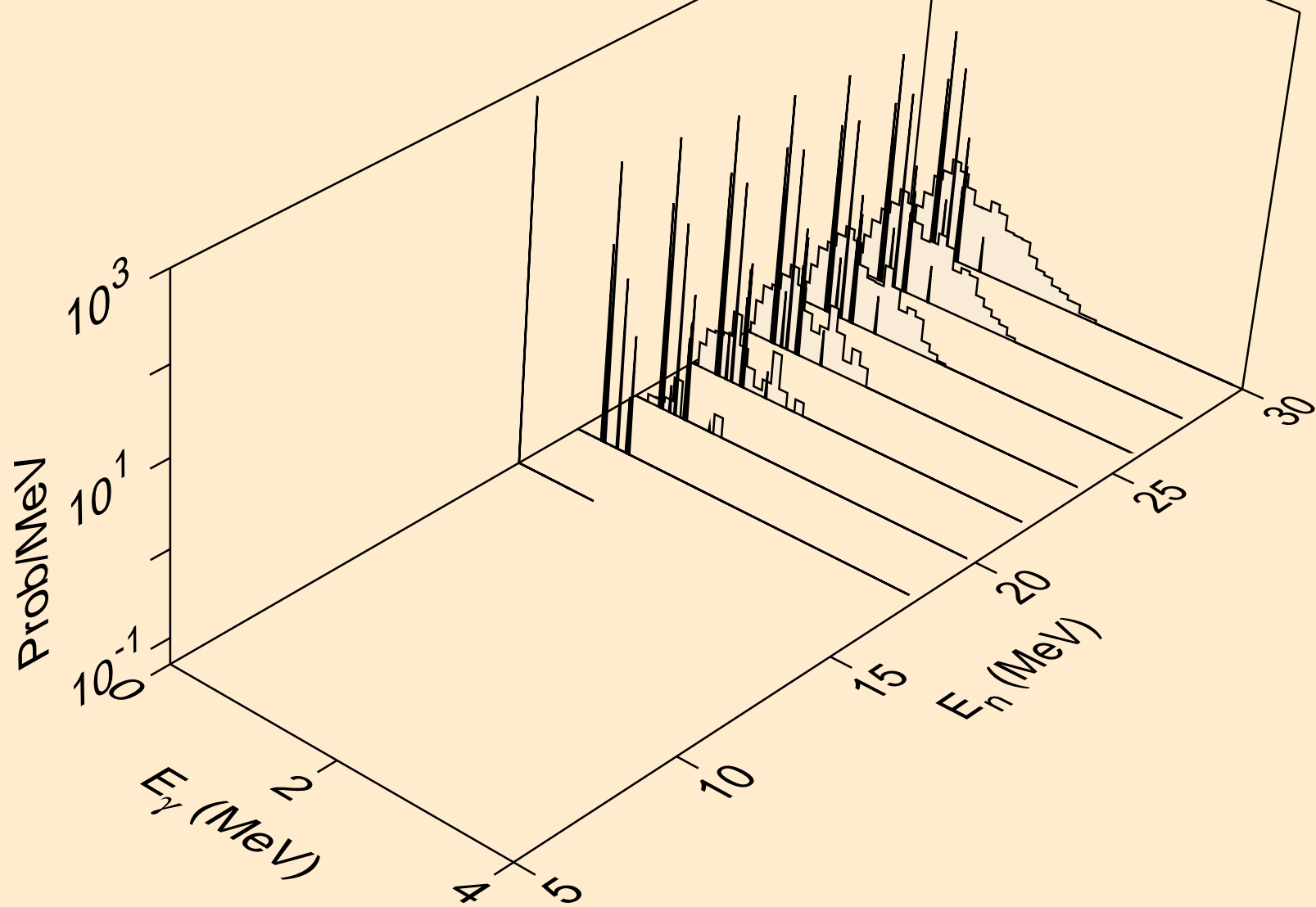




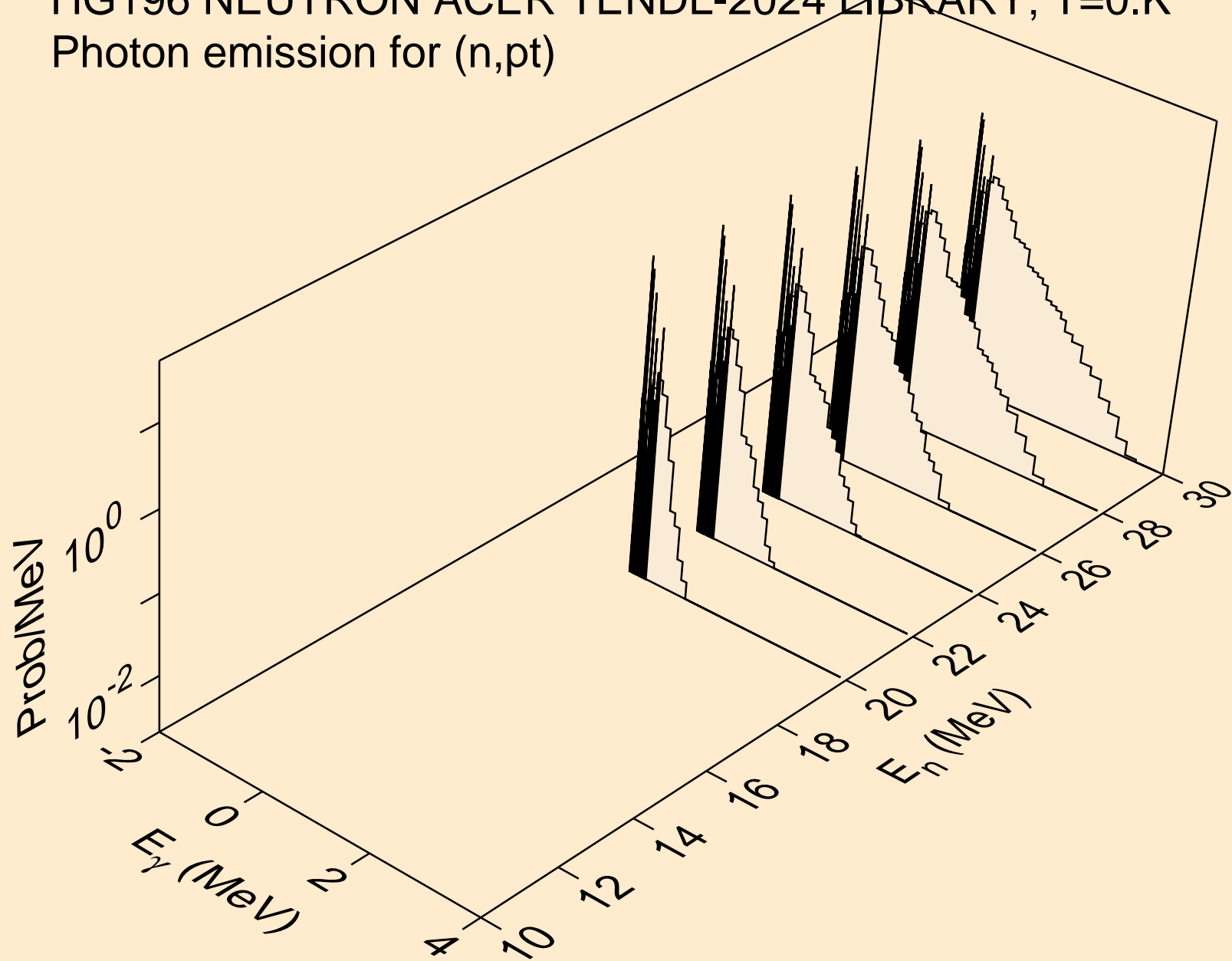
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Photon emission for (n,p $\alpha$ )



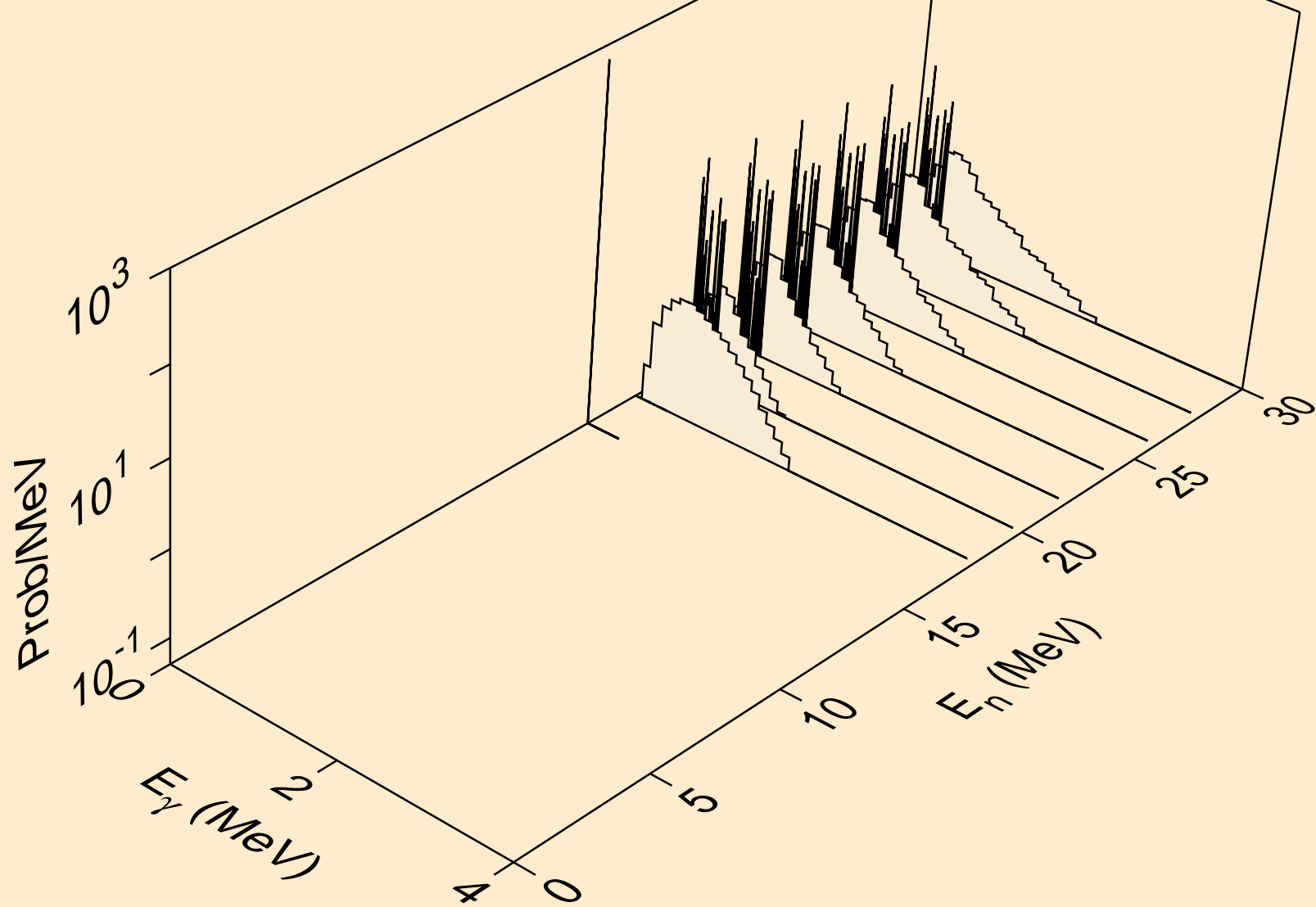
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



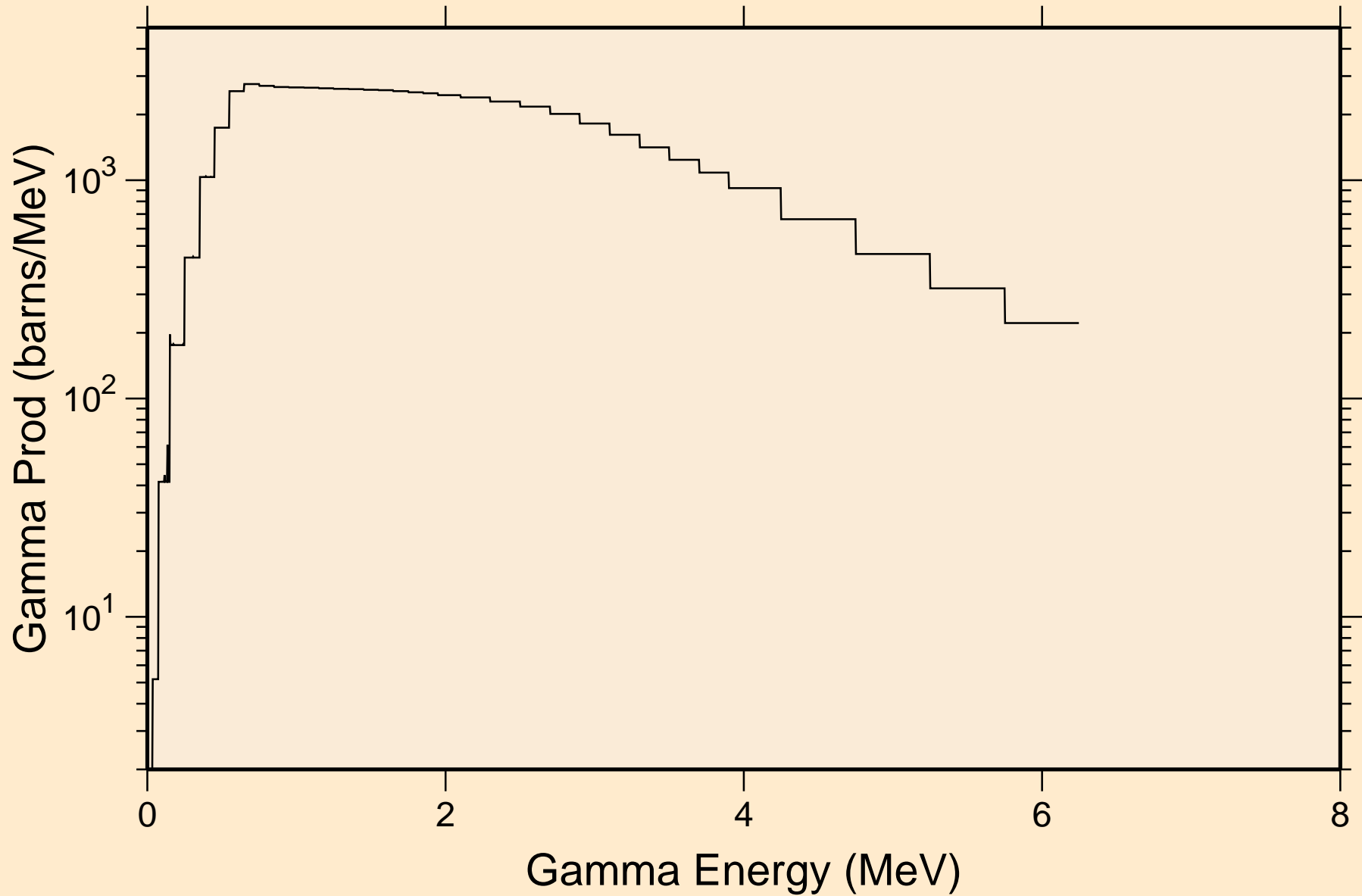
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Photon emission for (n,pt)



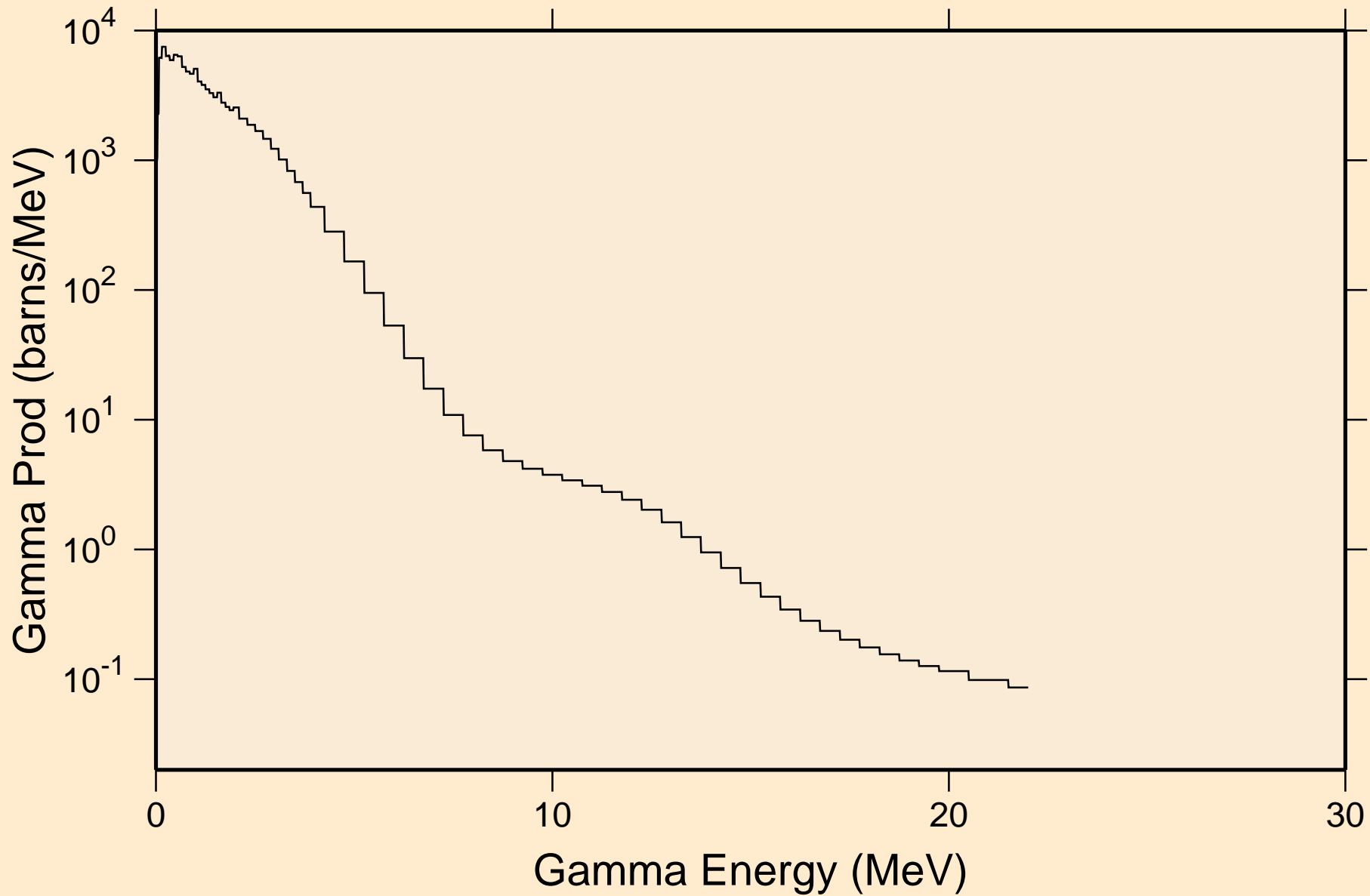
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

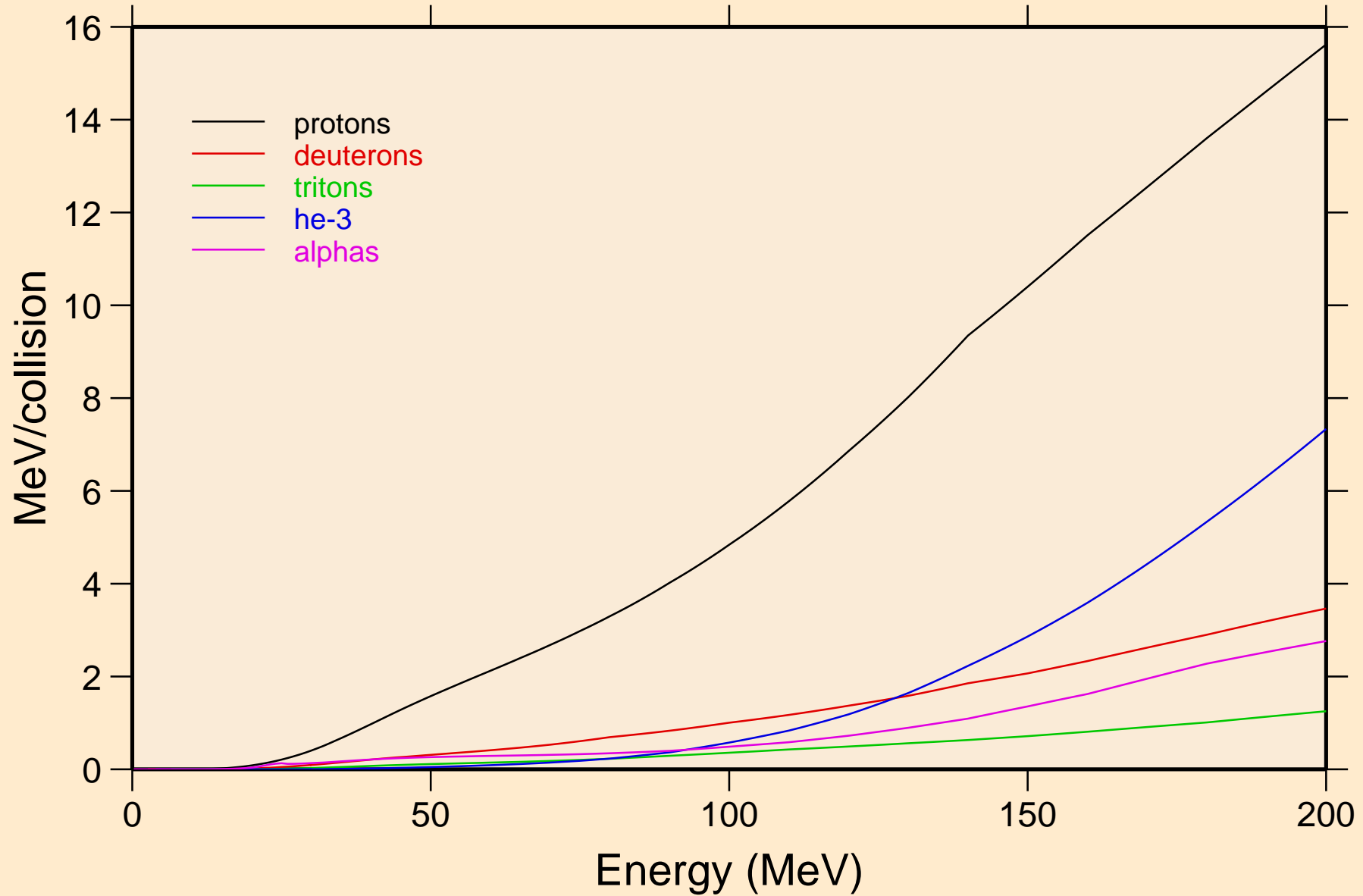


HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum



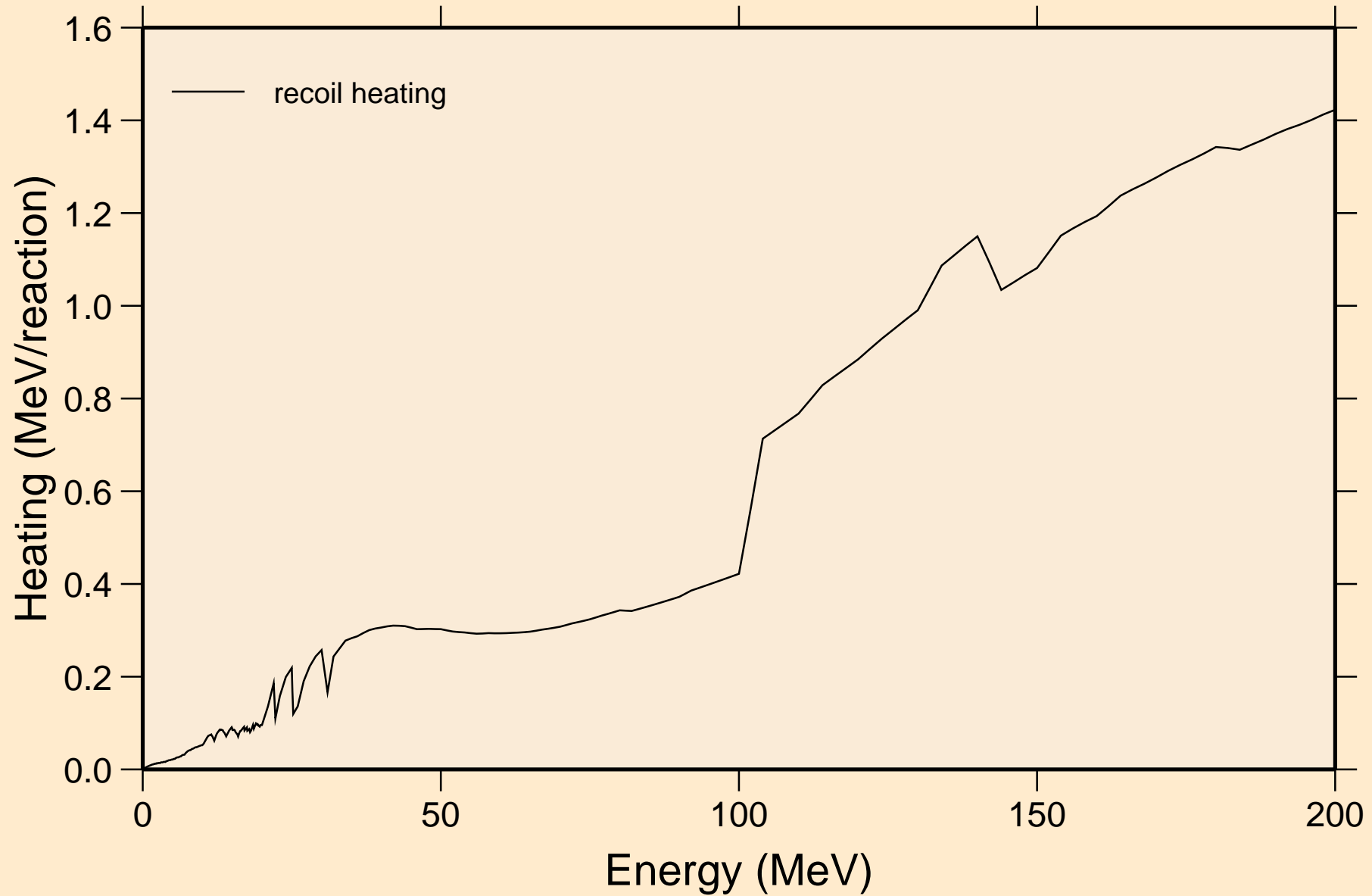
# HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions



# HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

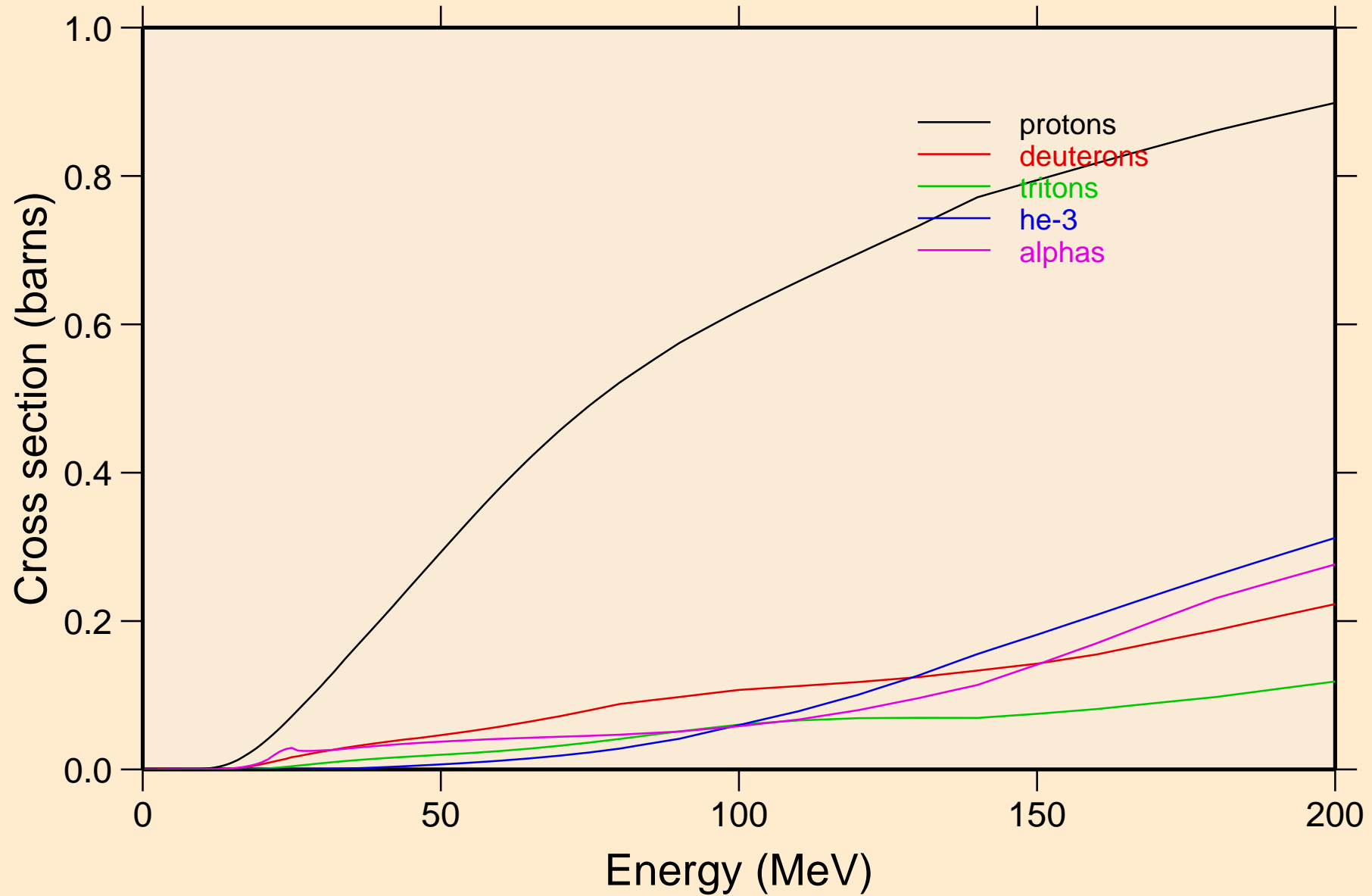
## Recoil Heating



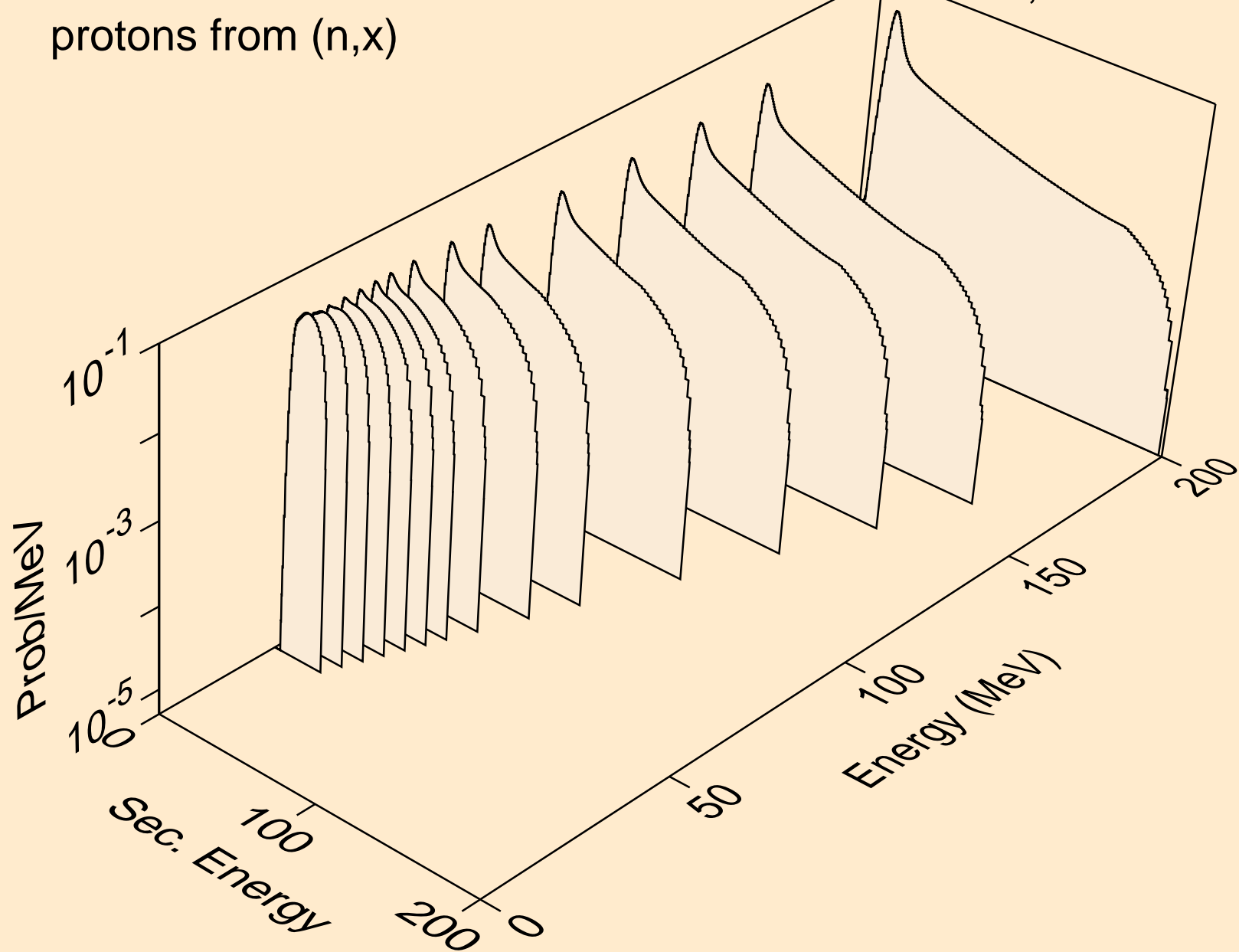


# HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

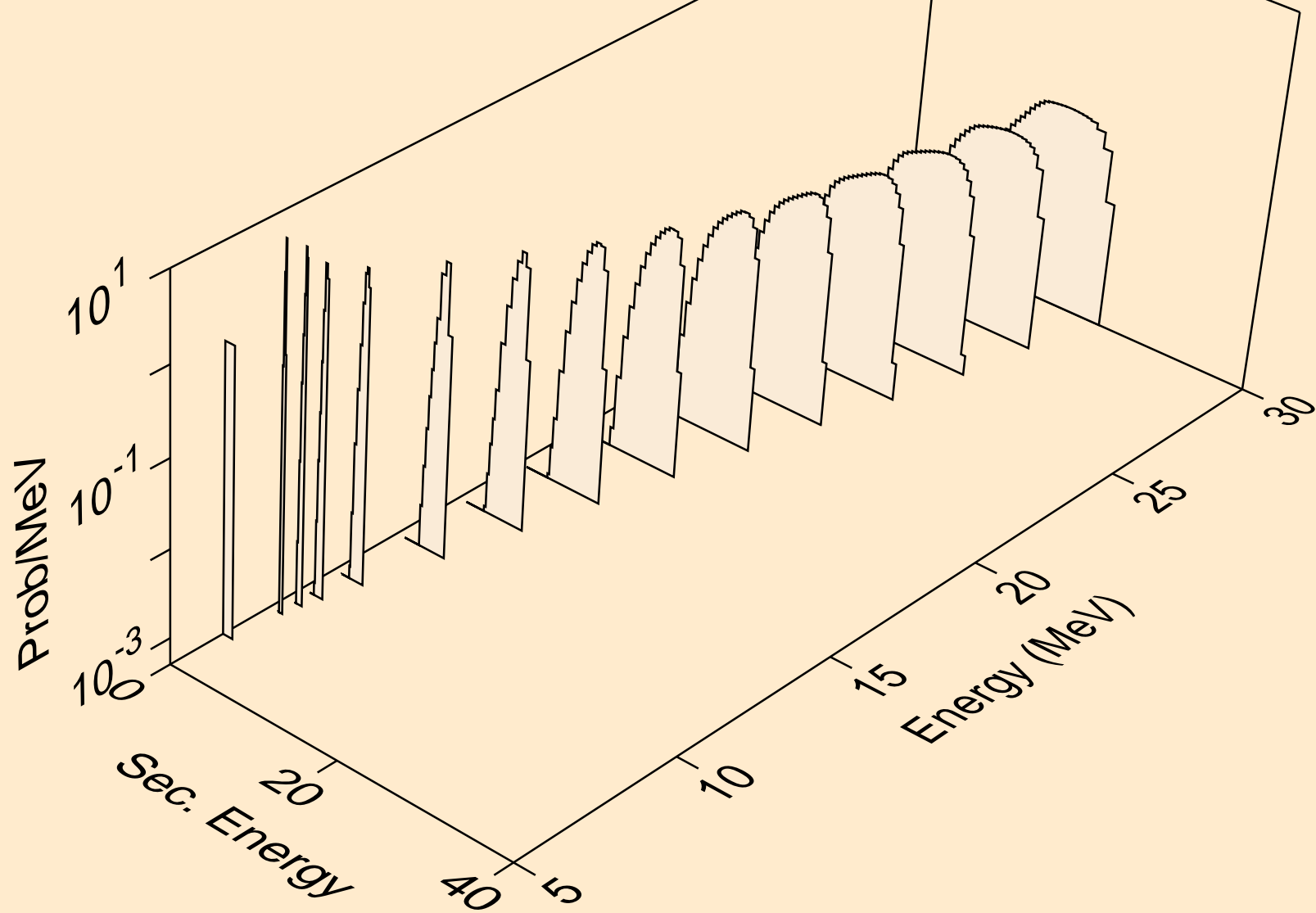
## Particle production cross sections



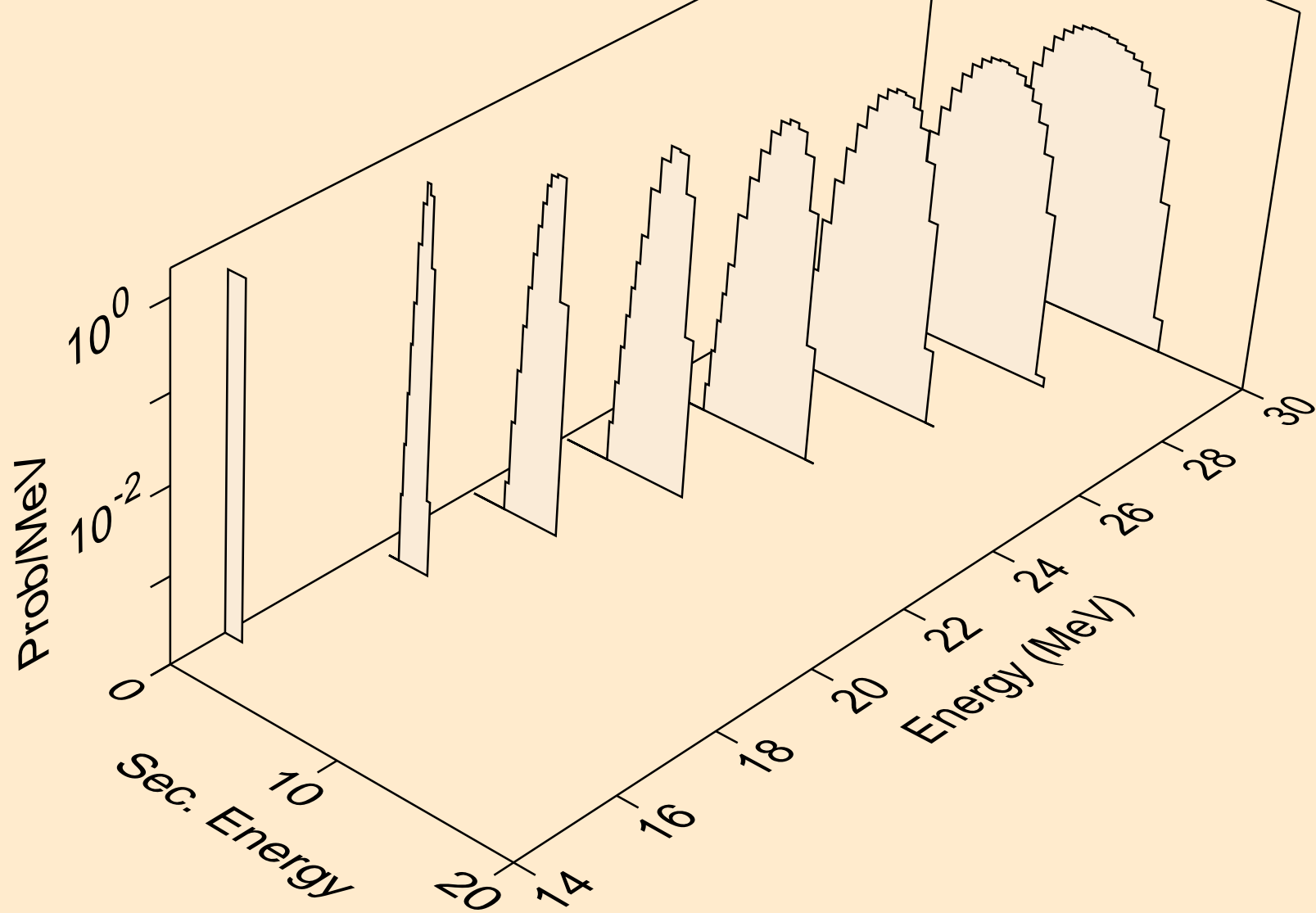
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



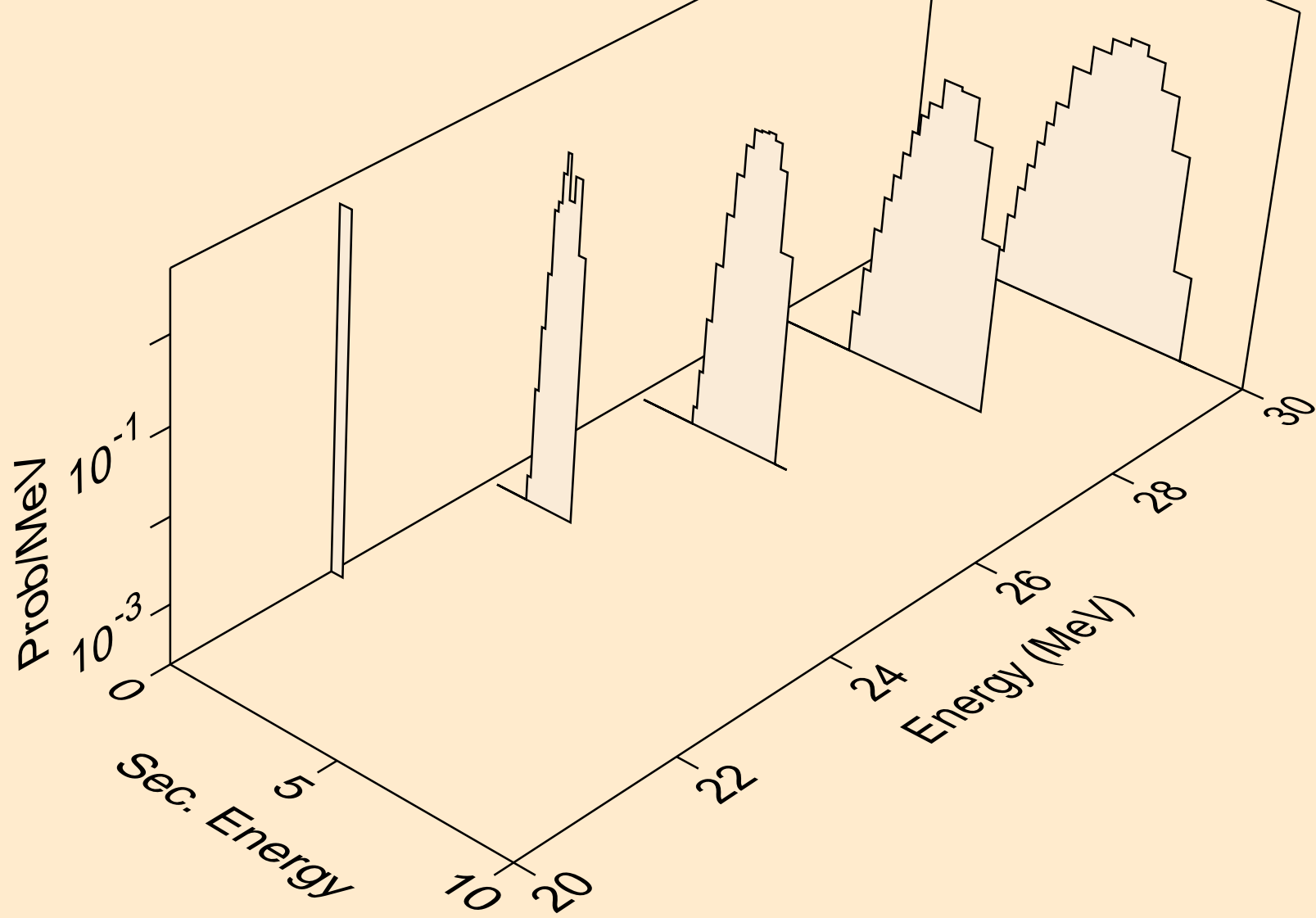
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



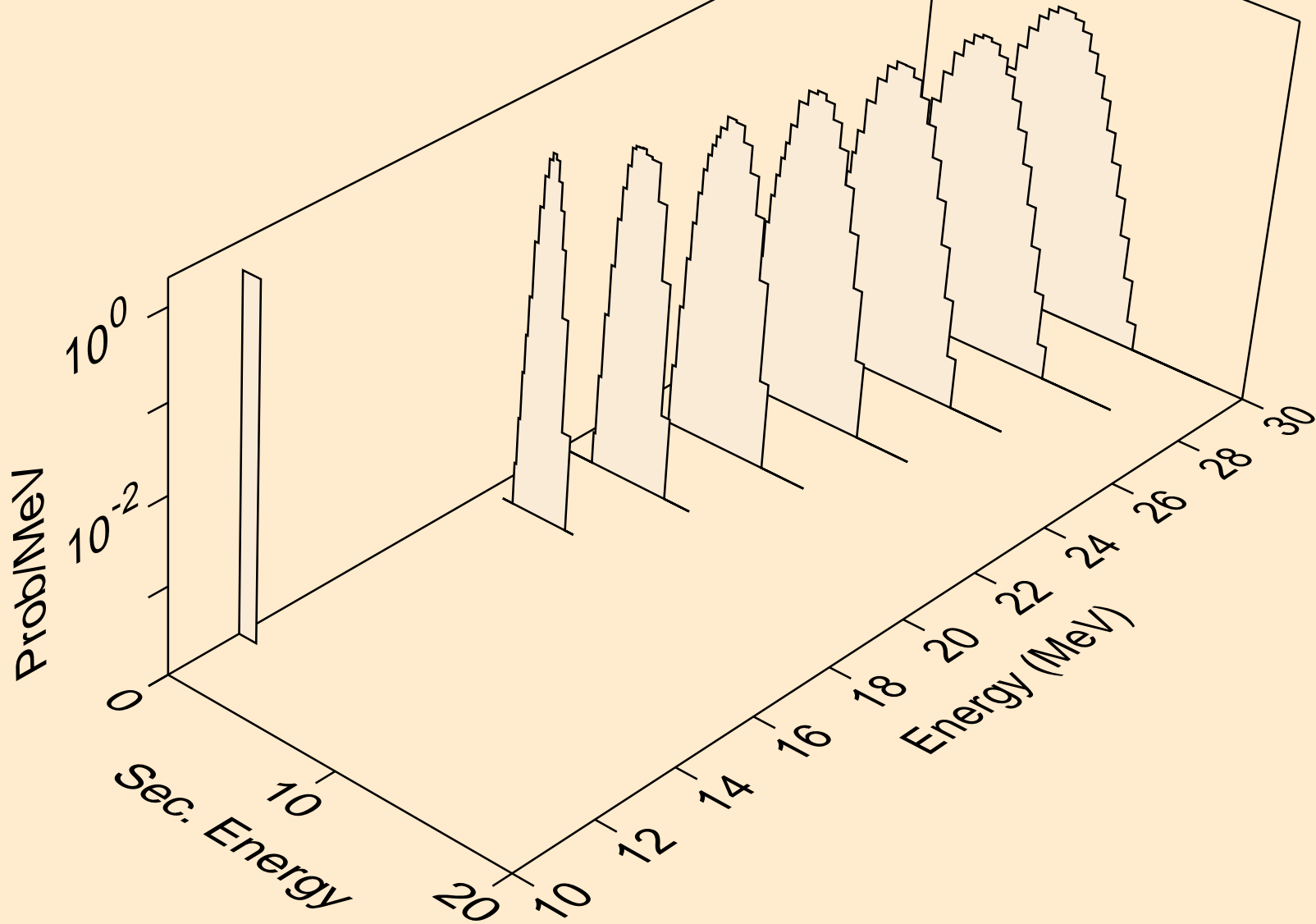
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protons from (n,2np)



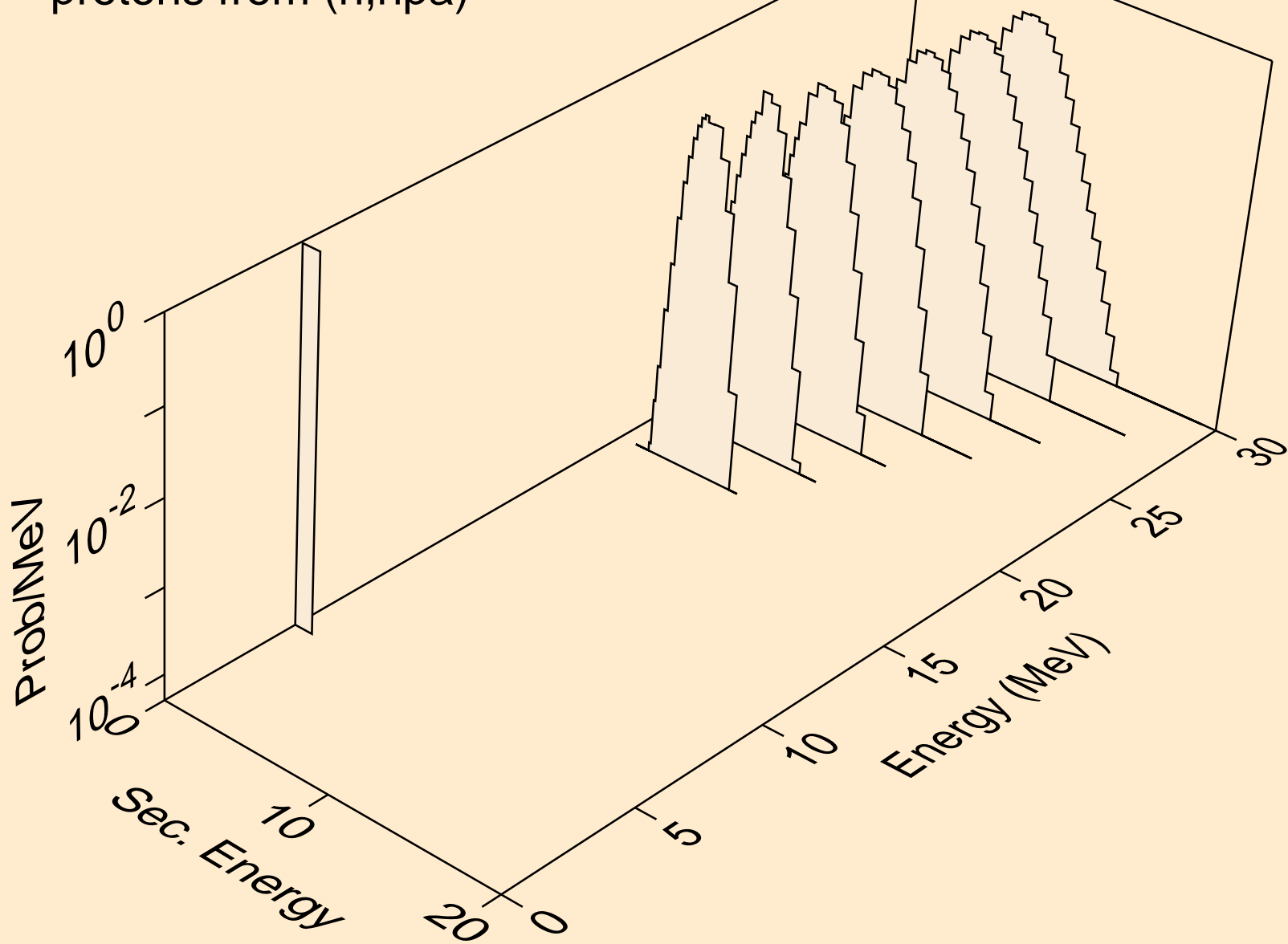
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protons from (n,3np)



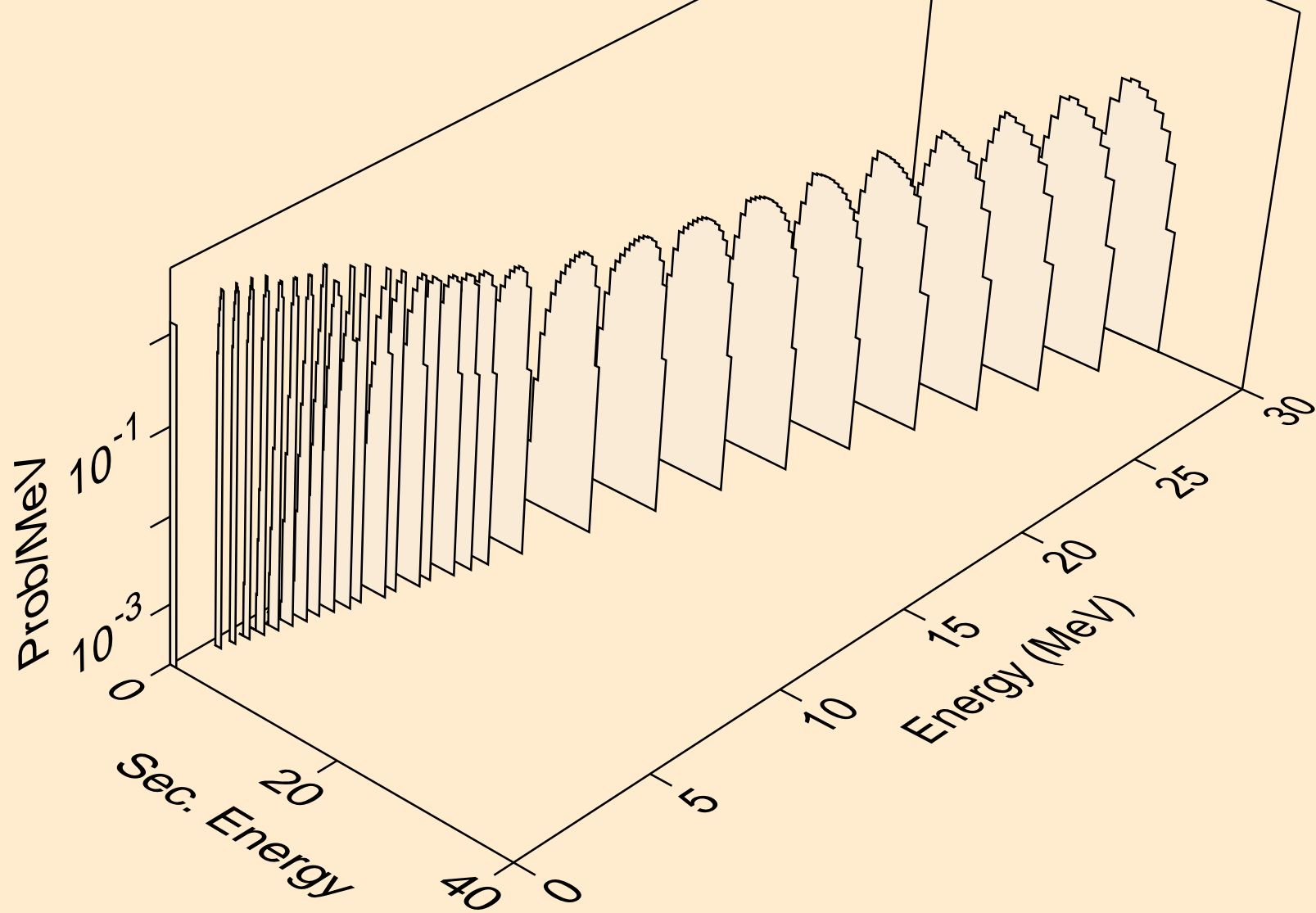
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protons from (n,n2p)



HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,npa)

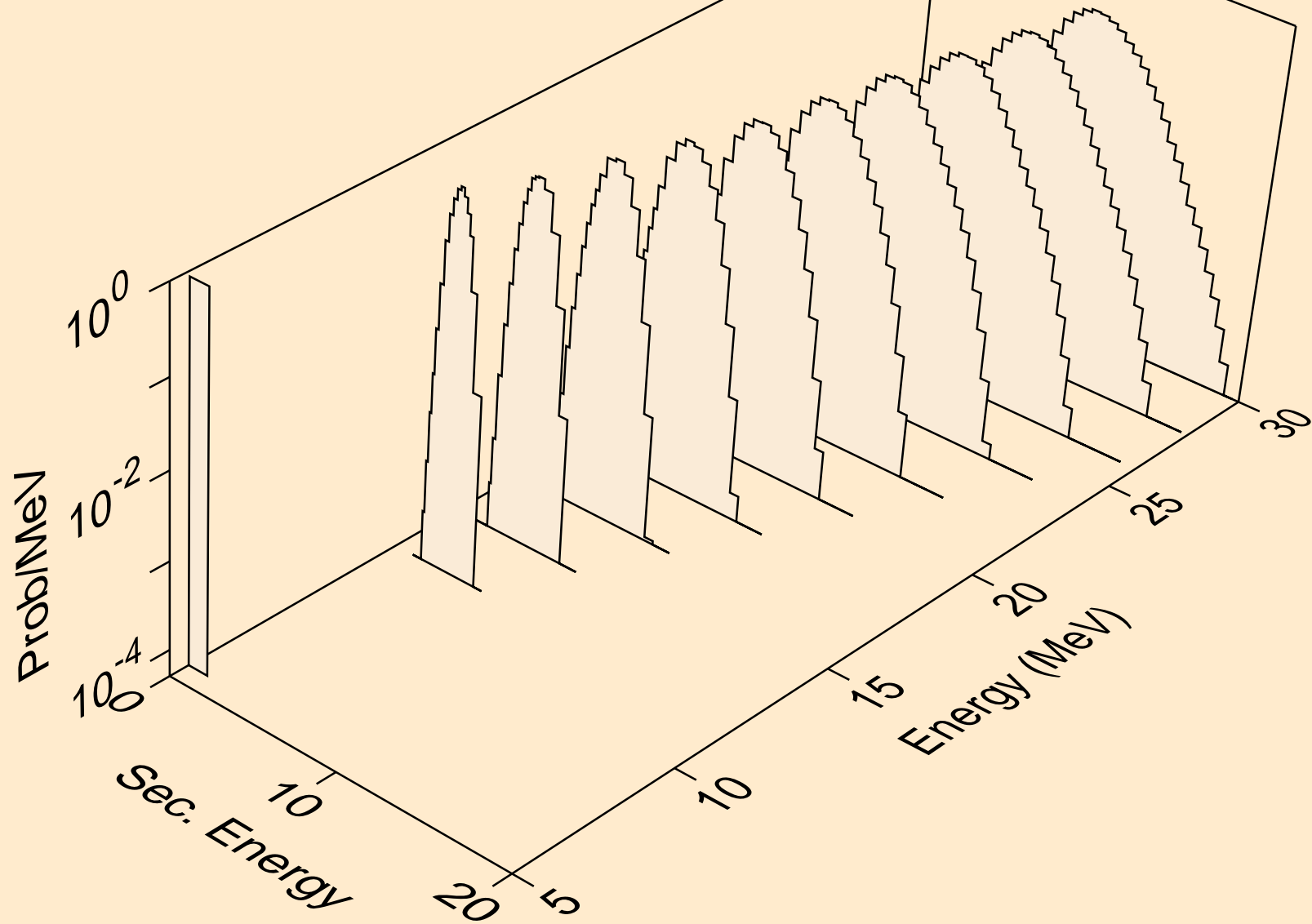


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protons from (n,p)

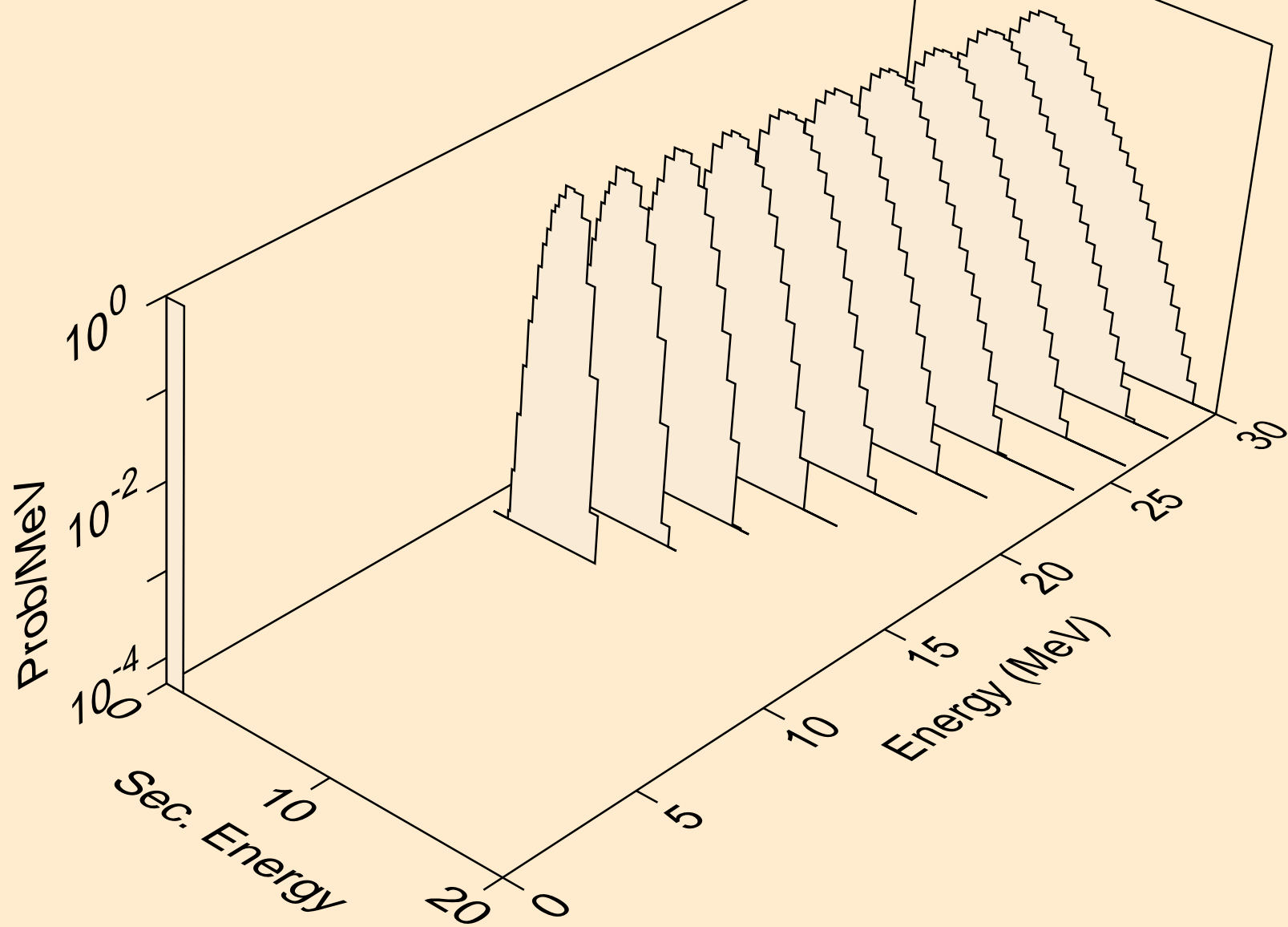




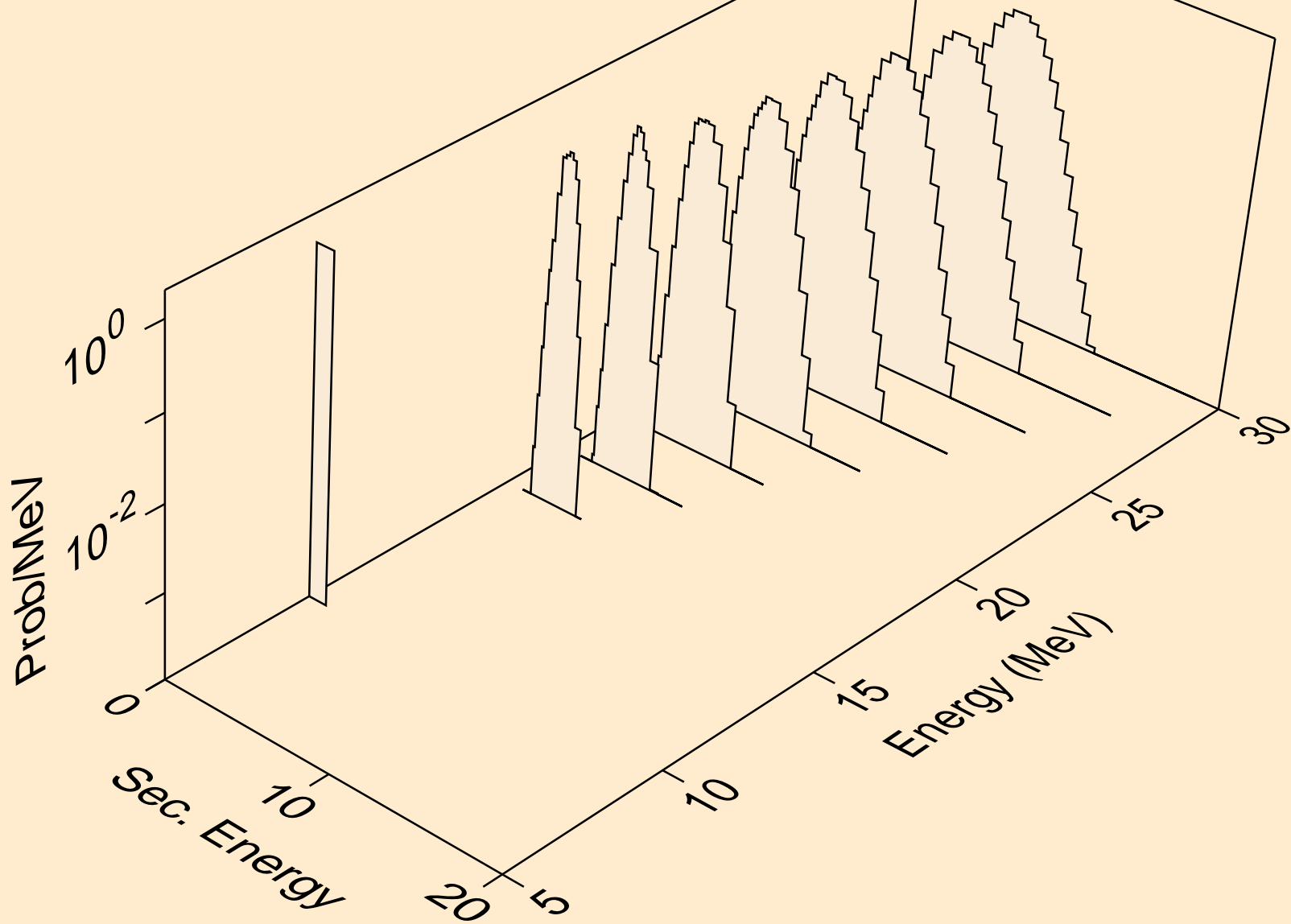
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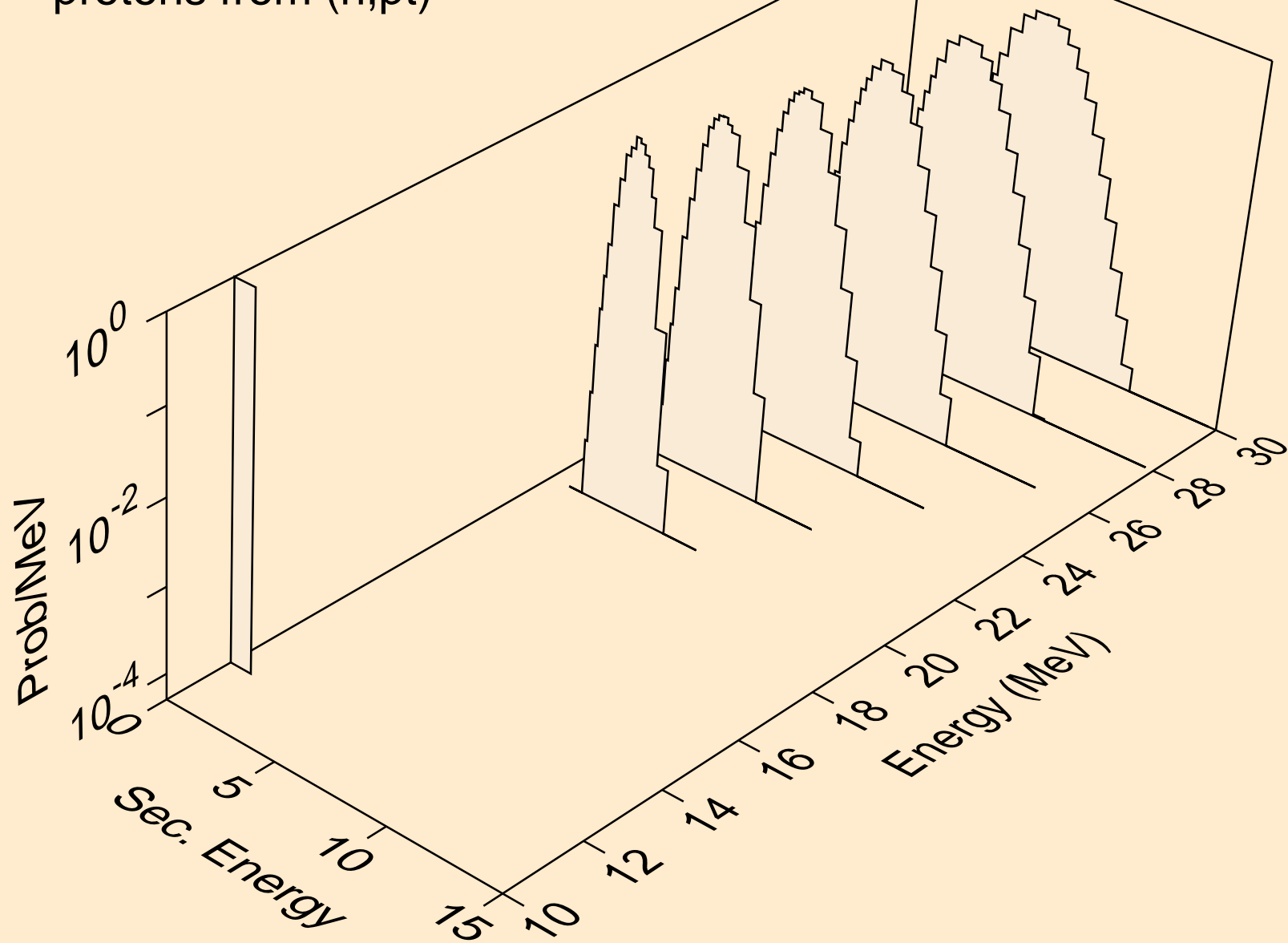
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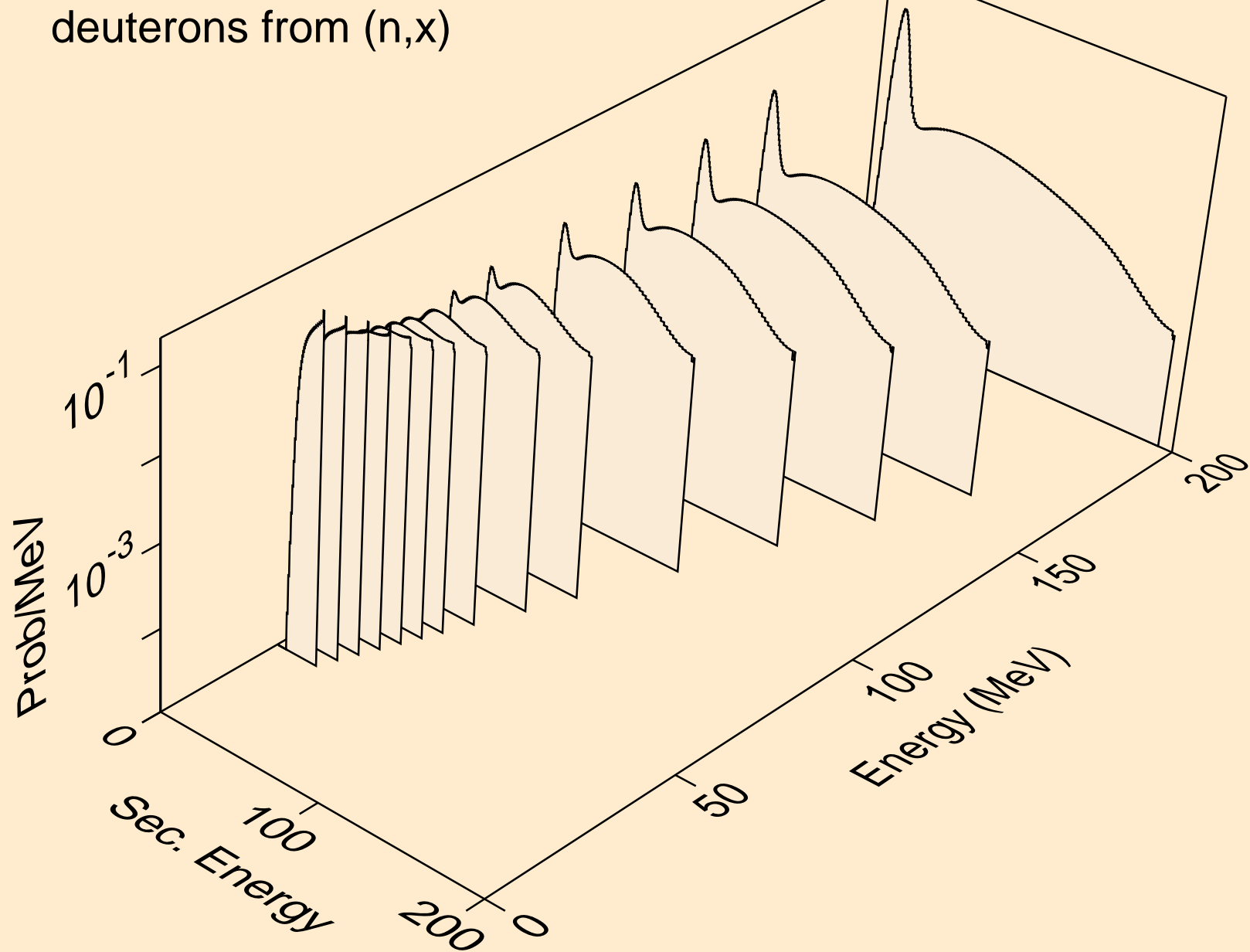
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protons from (n,pd)



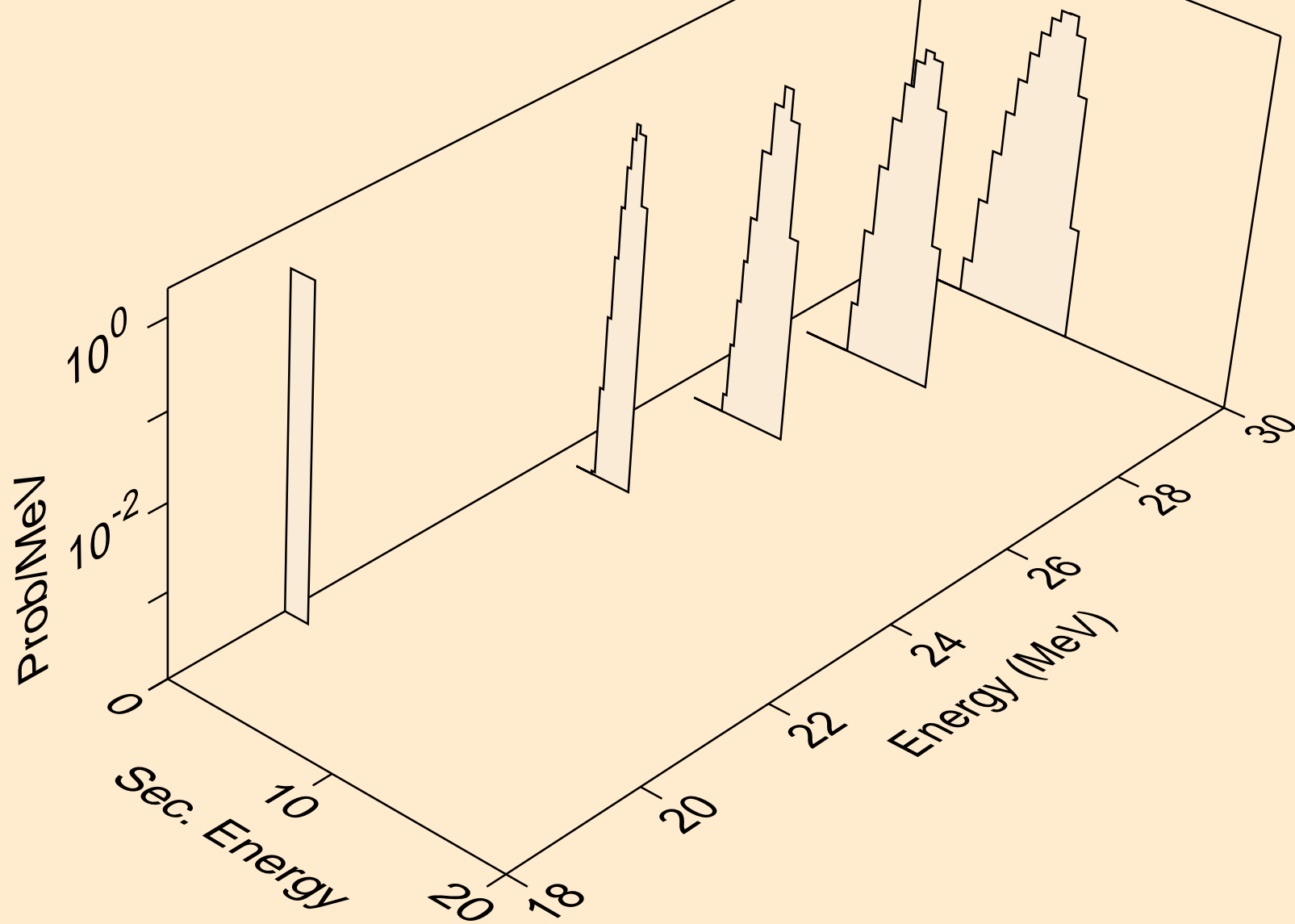
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protons from (n,pt)



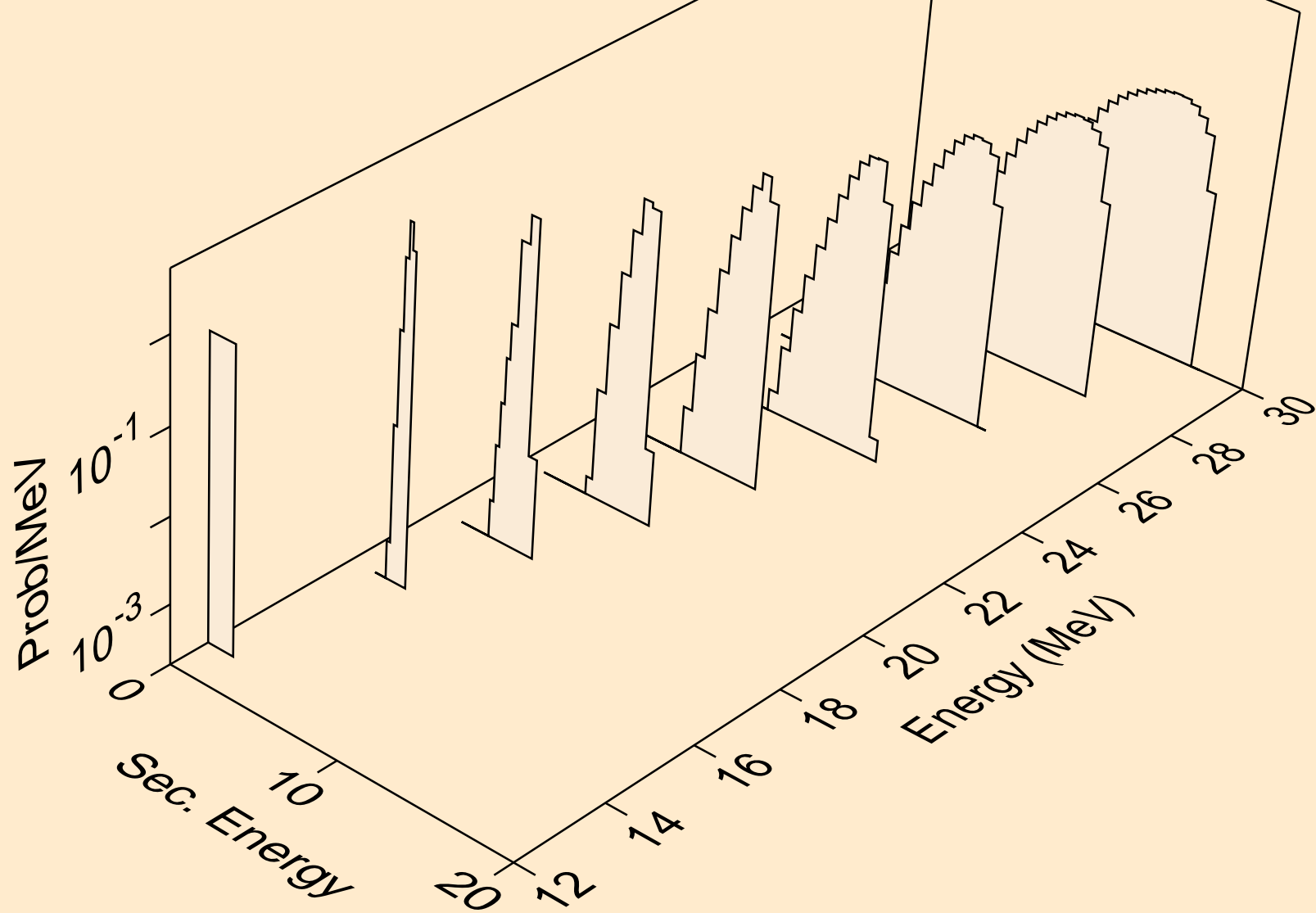
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deuterons from (n,x)



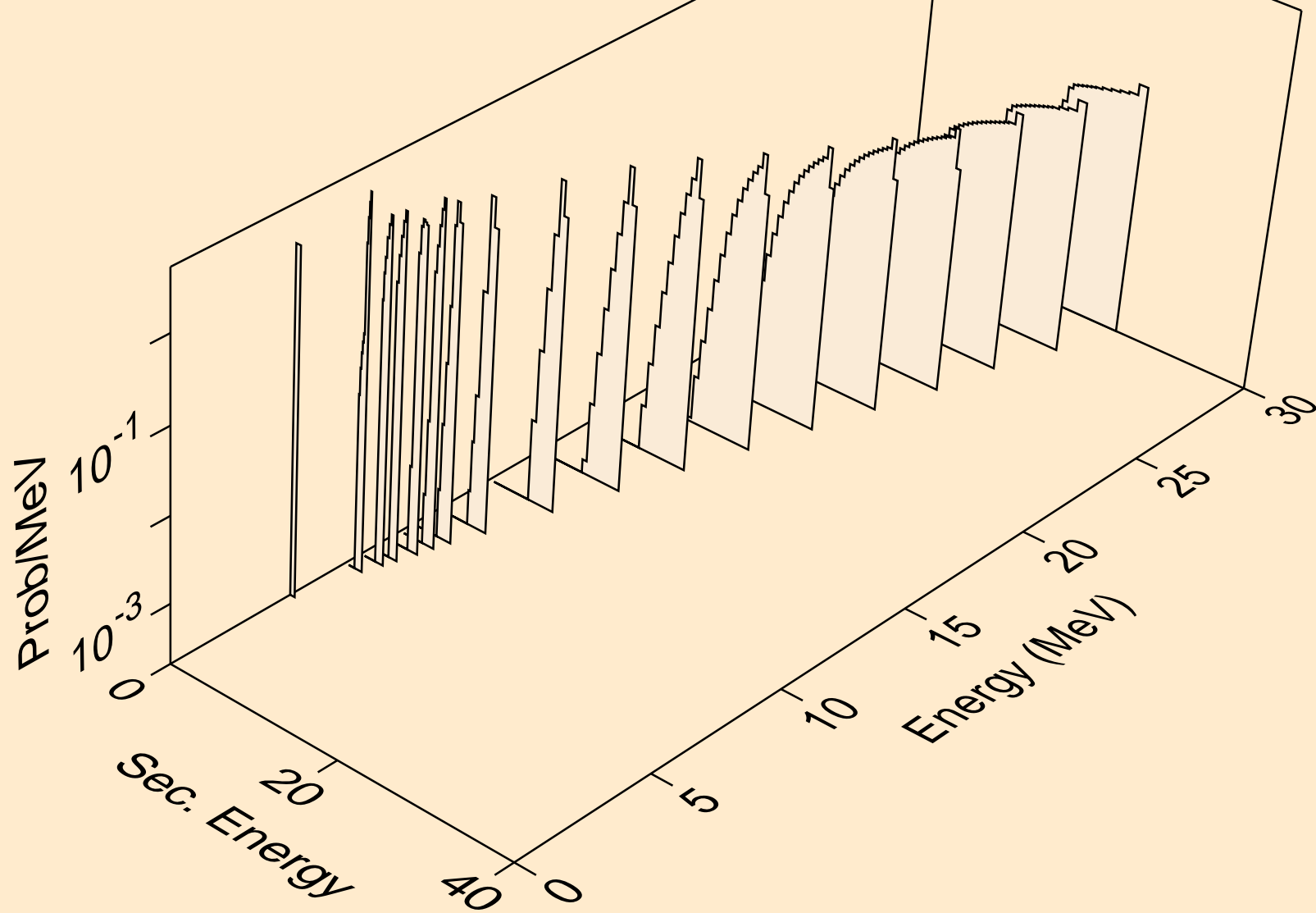
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,2nd)



HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,n\*)d

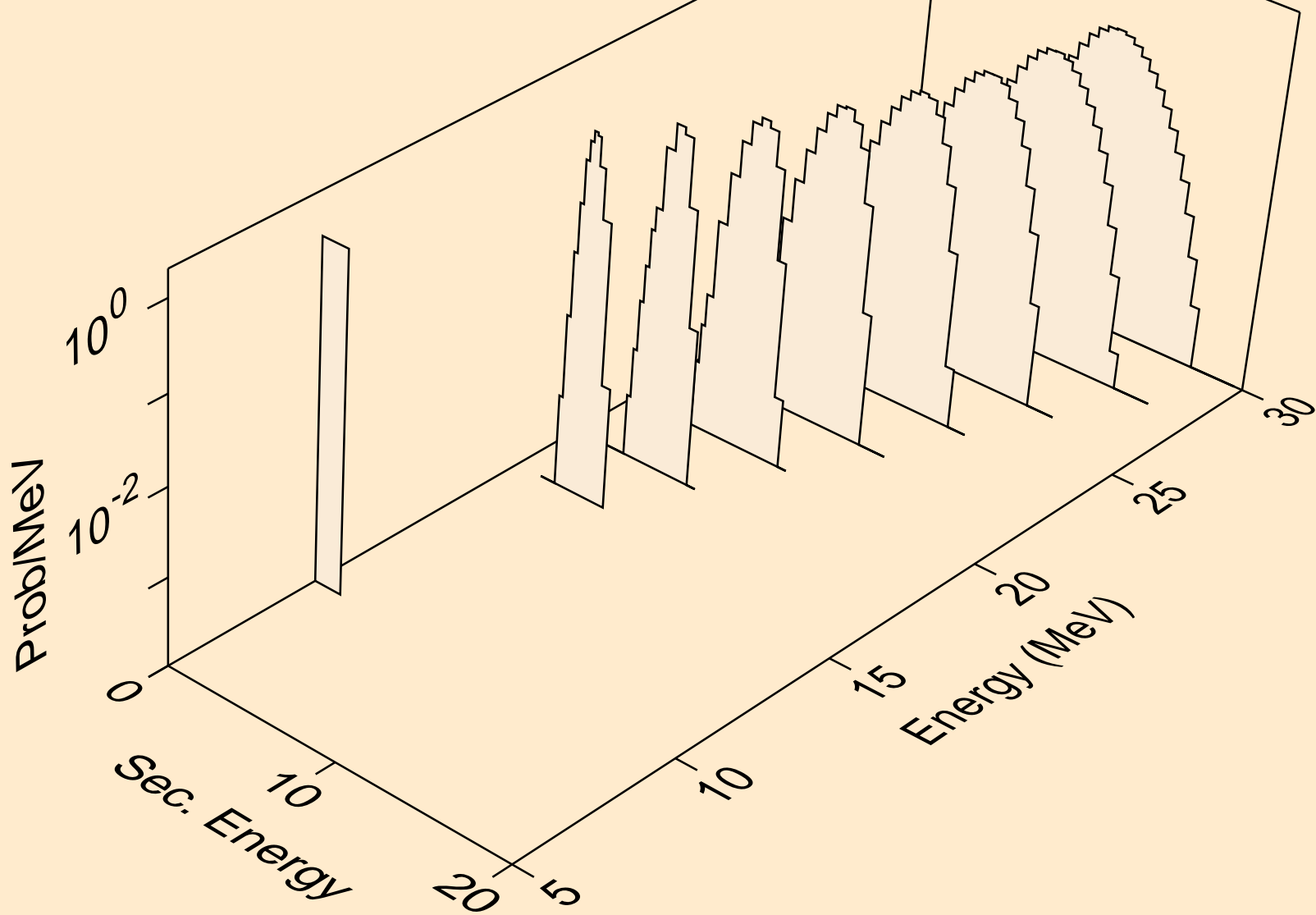


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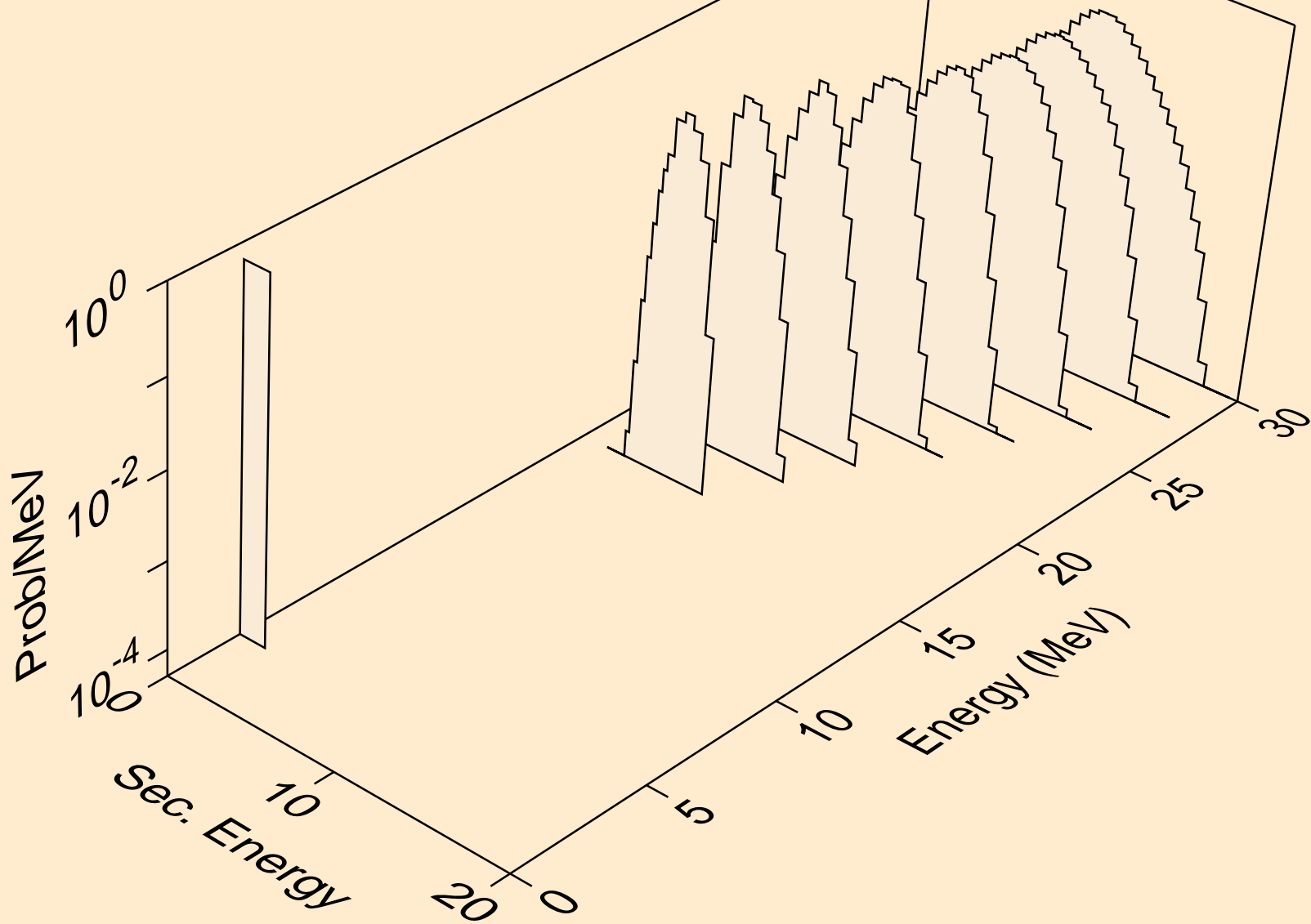




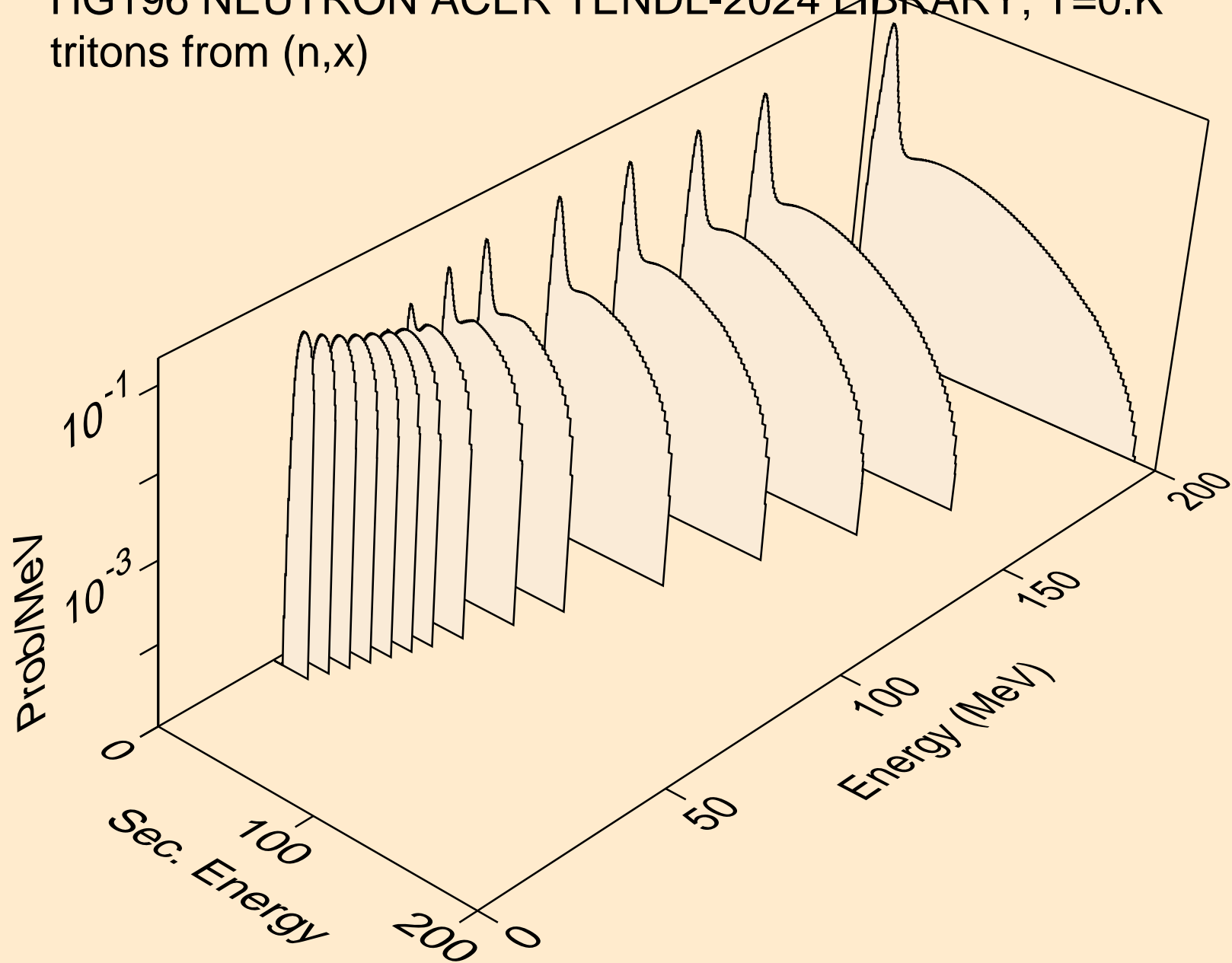
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deuterons from (n,pd)



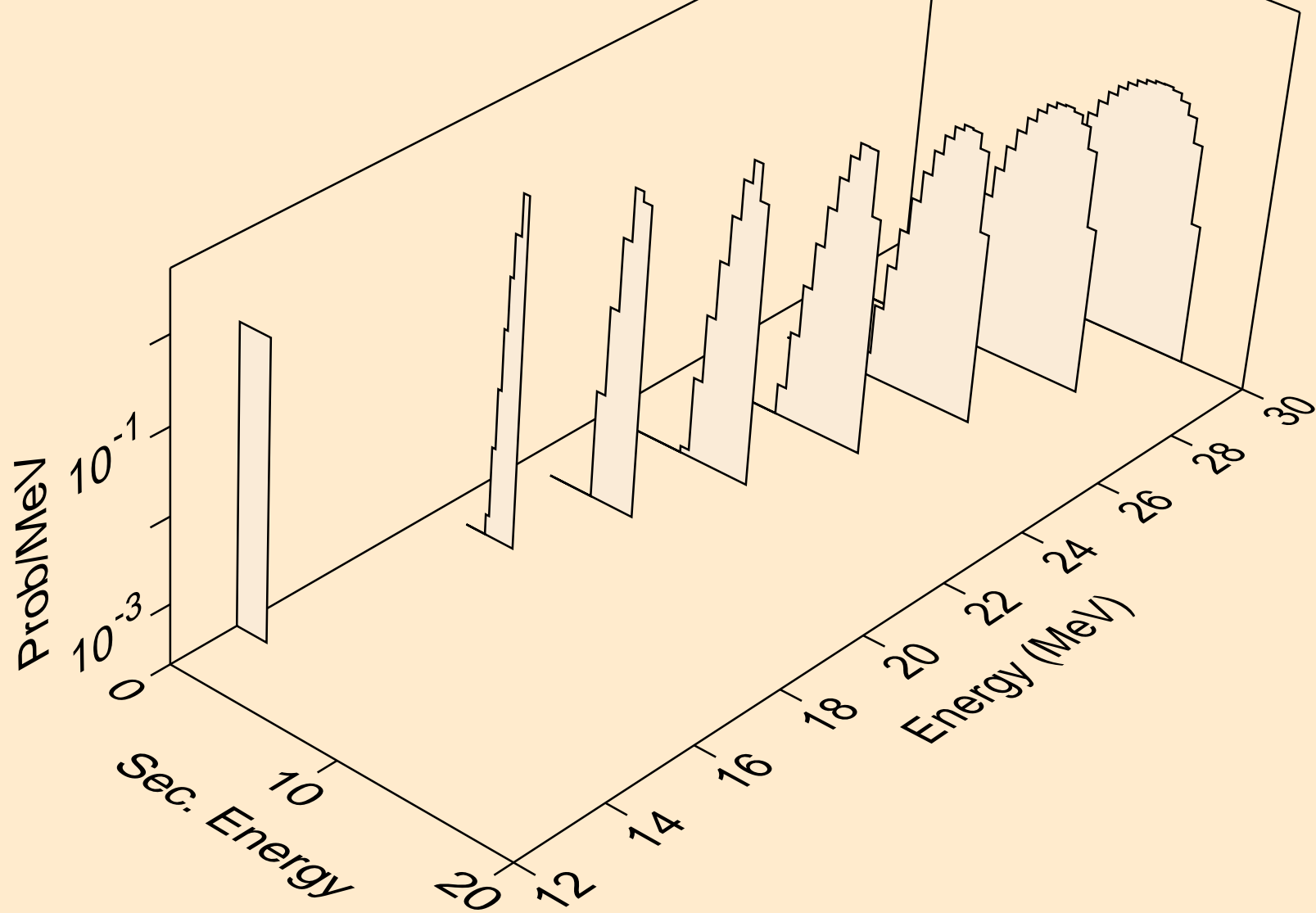
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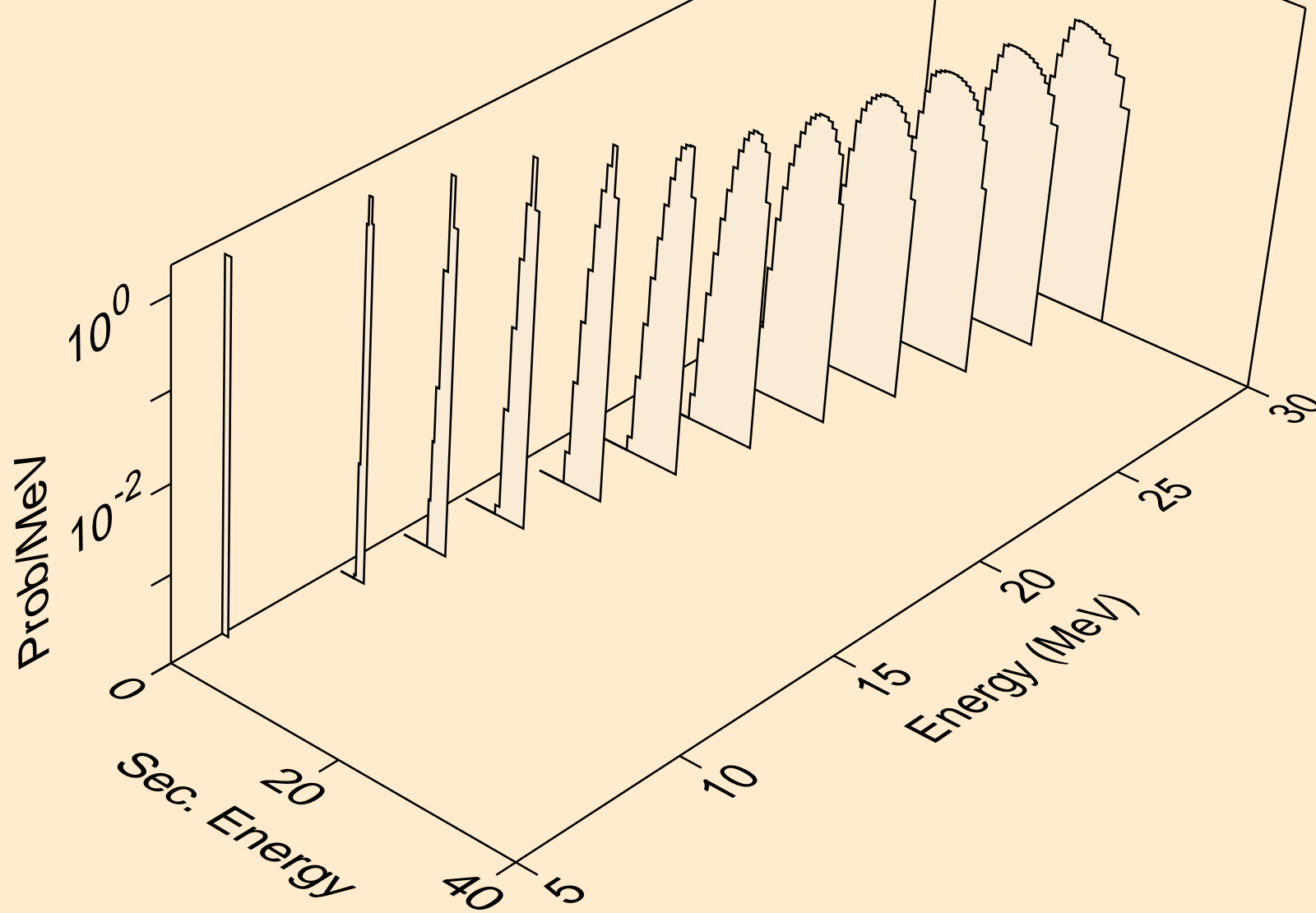
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)



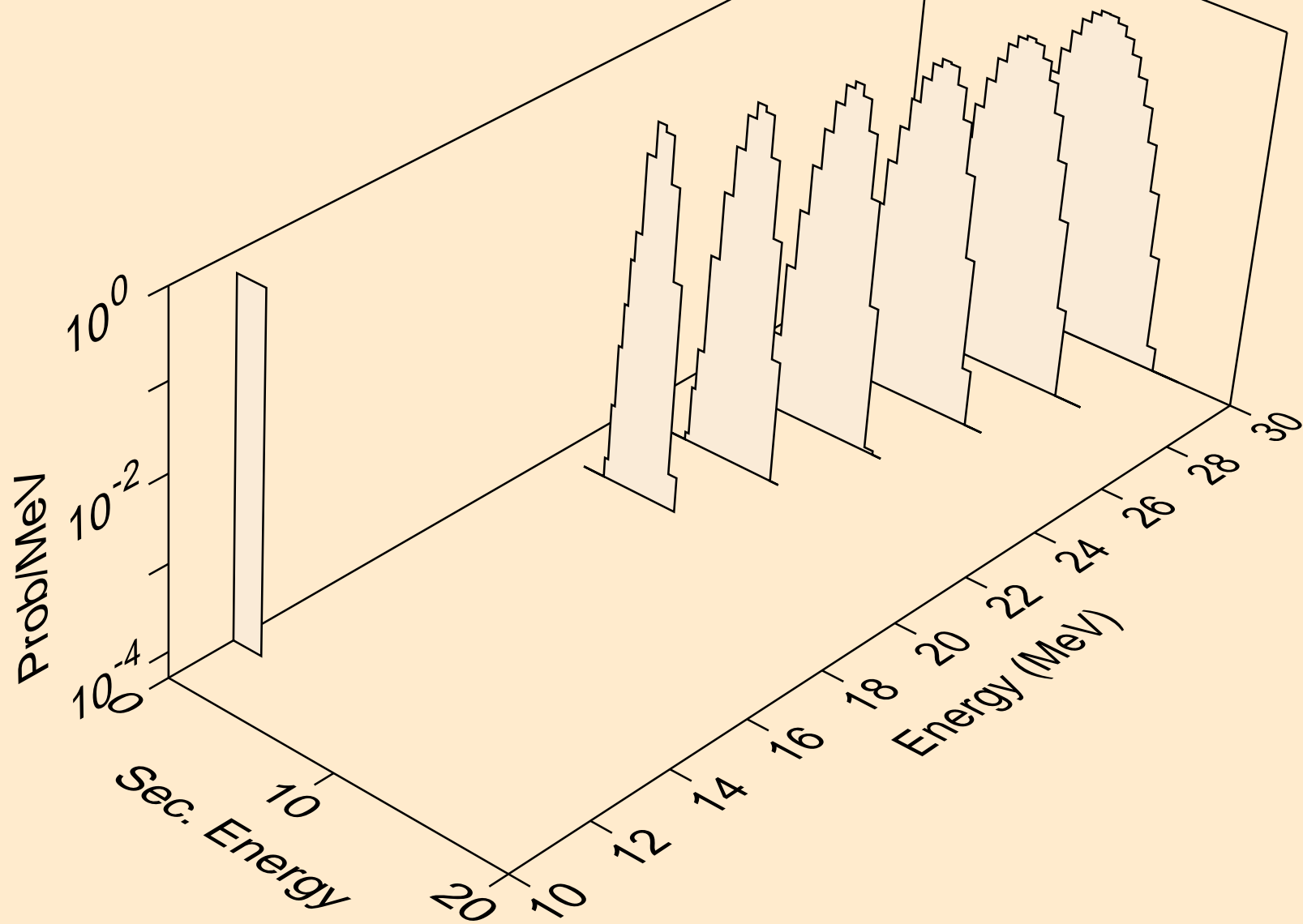
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tritons from (n,n\*)t



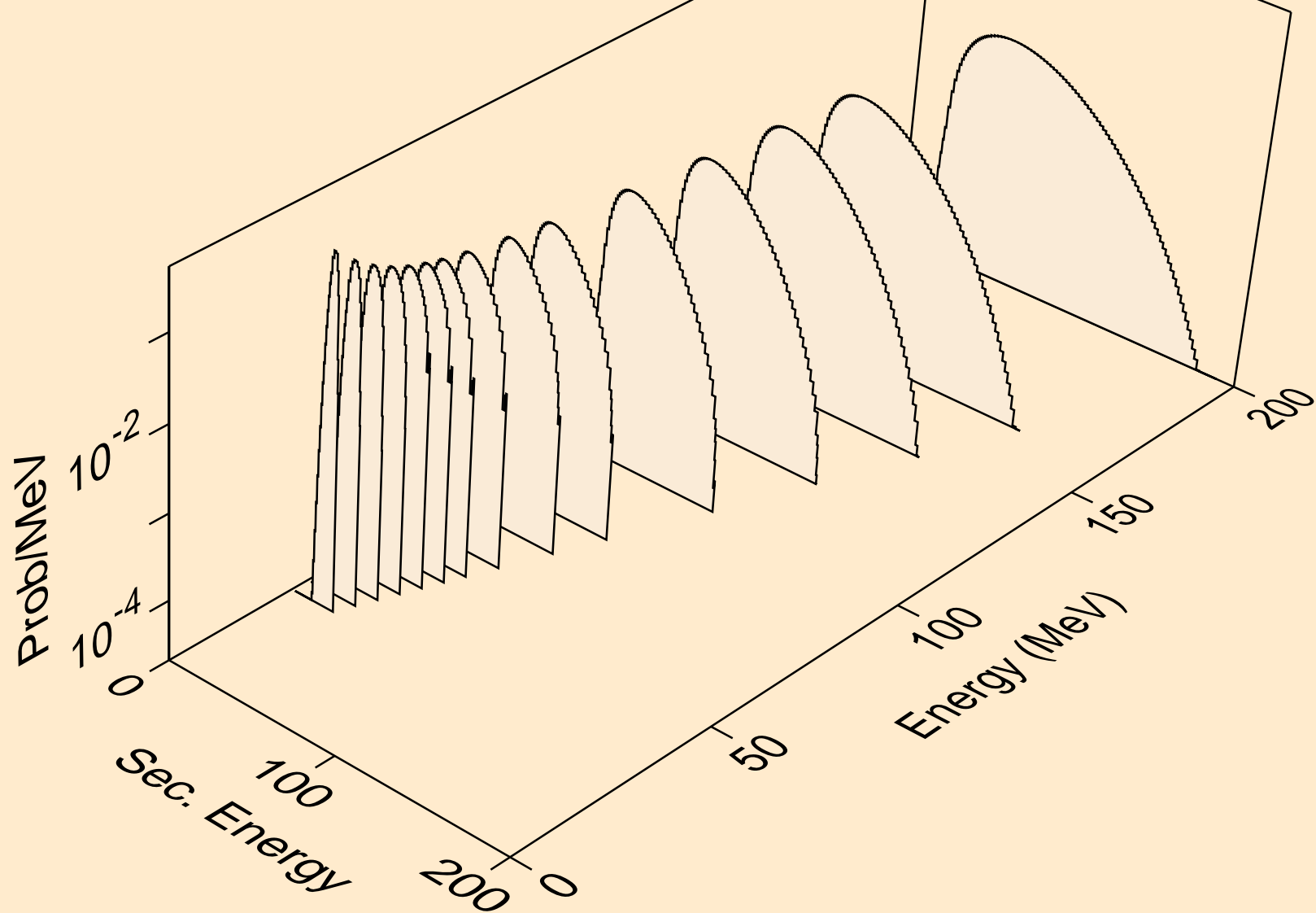
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tritons from (n,t)



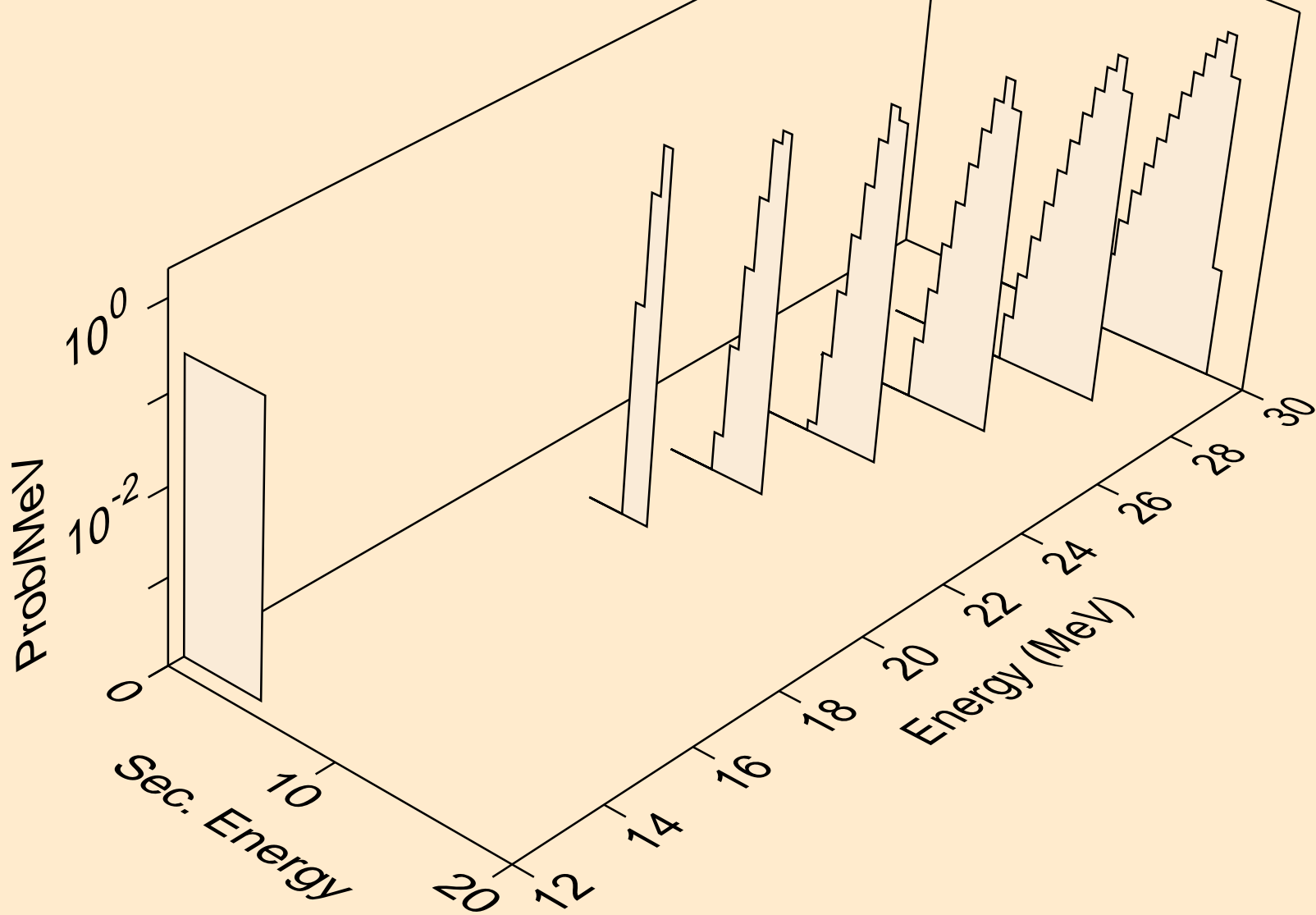
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,pt)



HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)

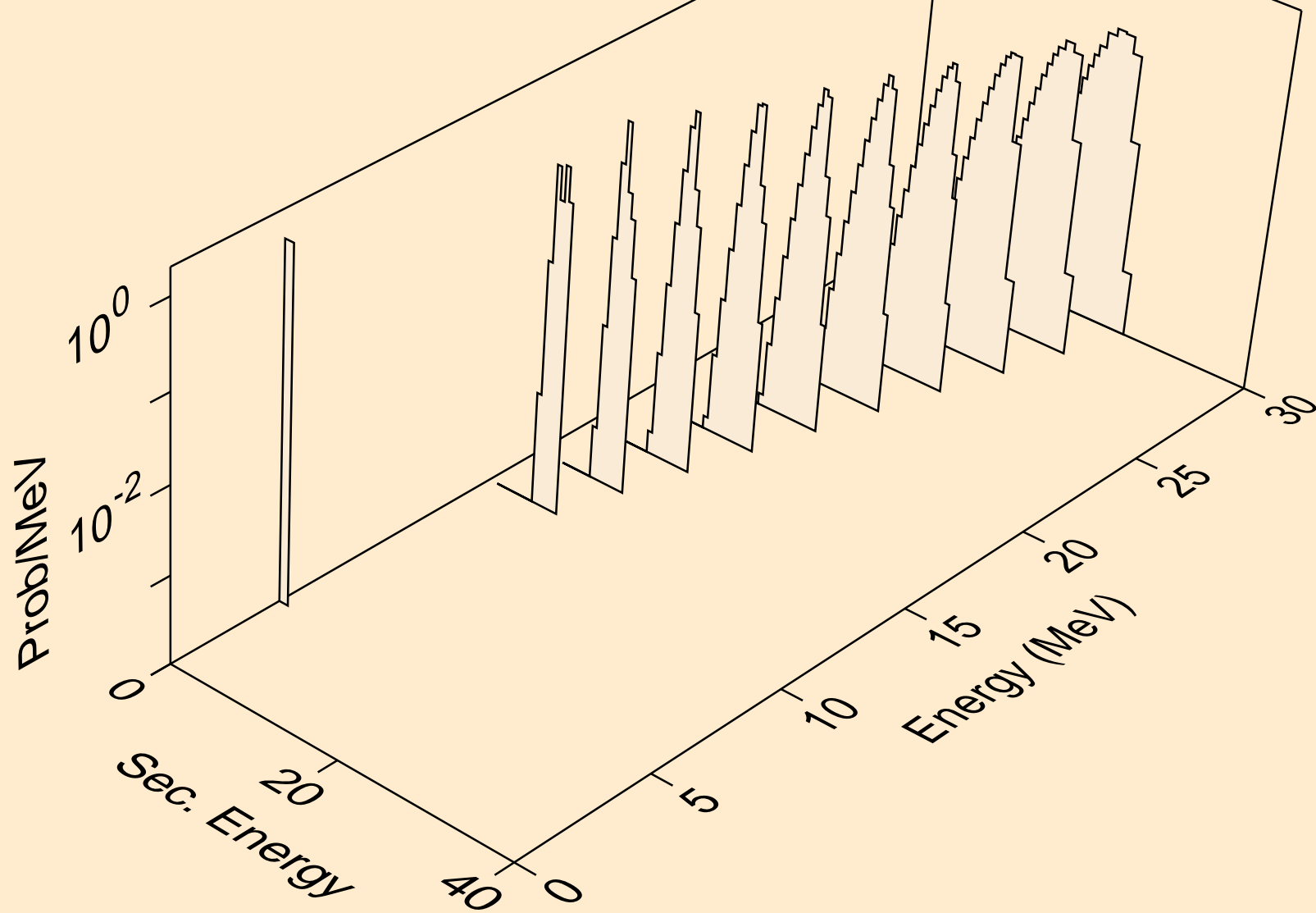


HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3

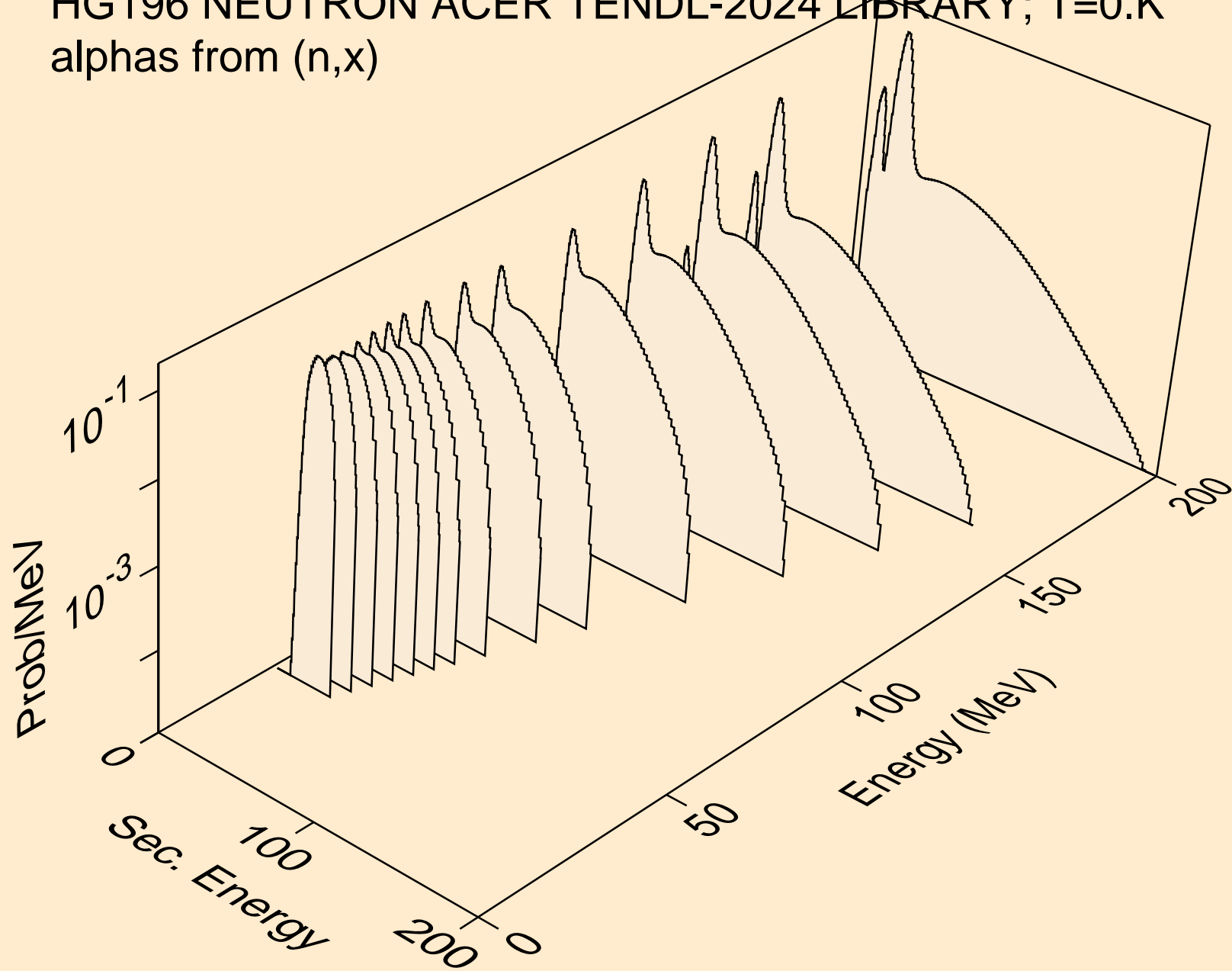




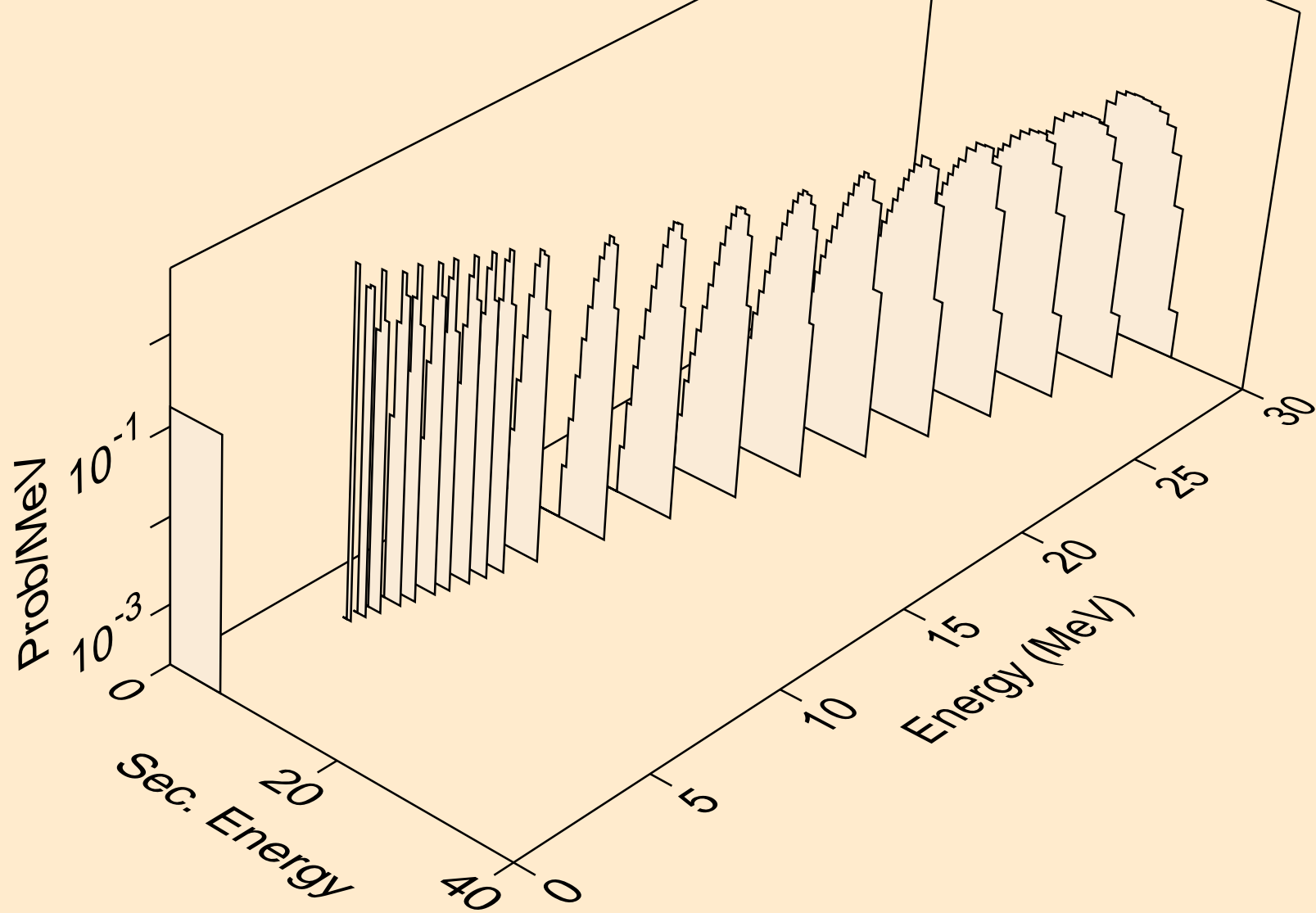
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)



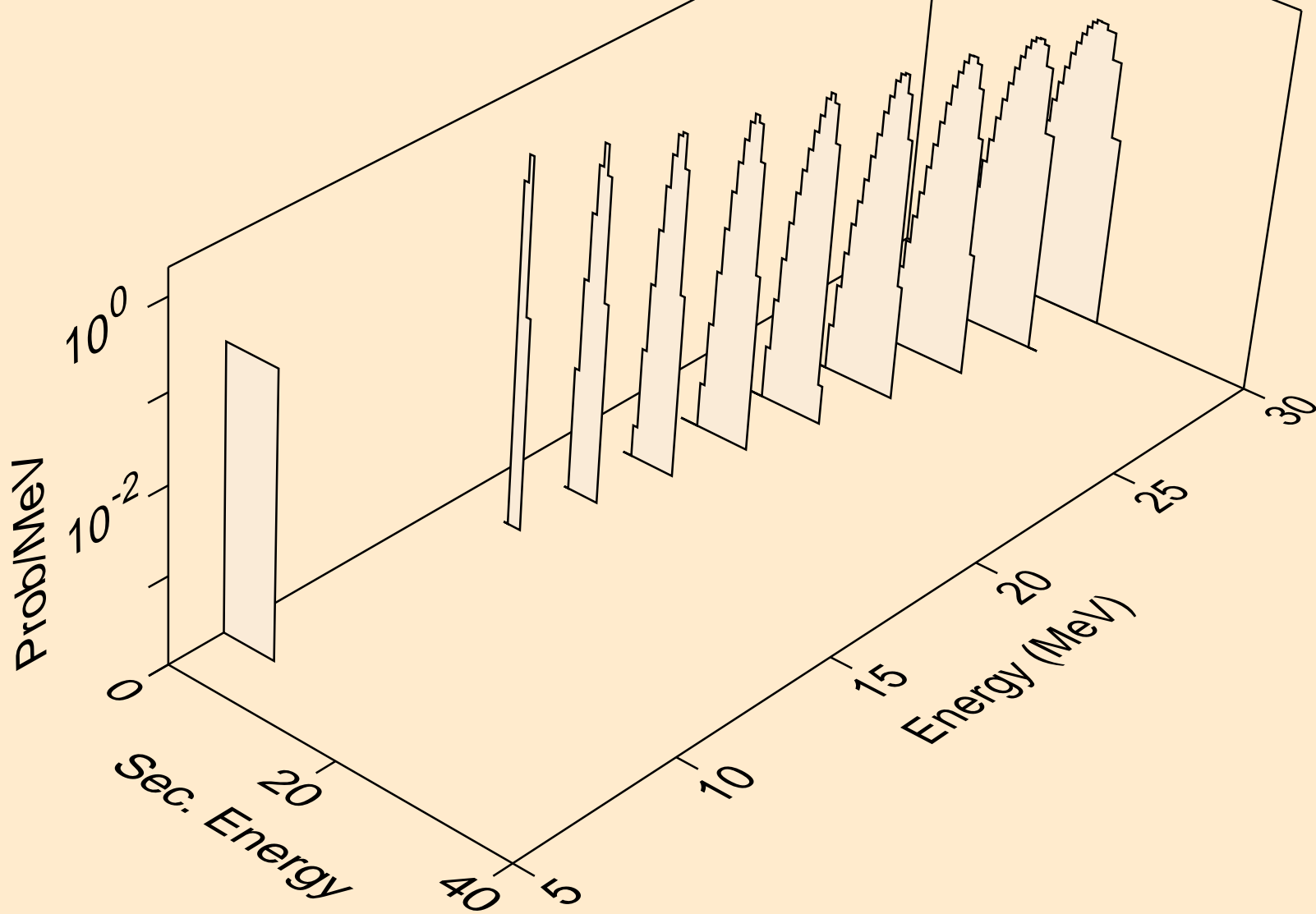
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



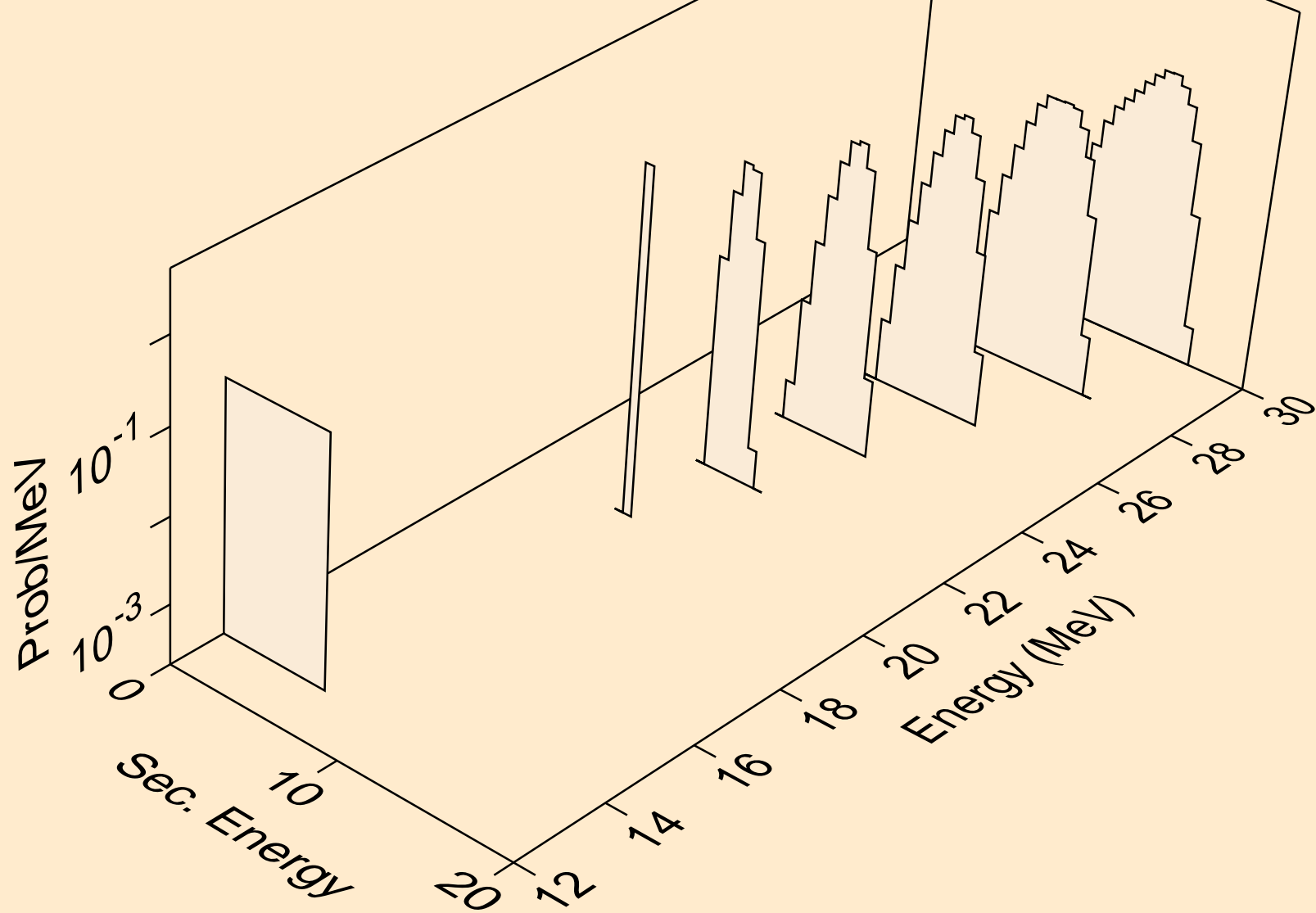
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



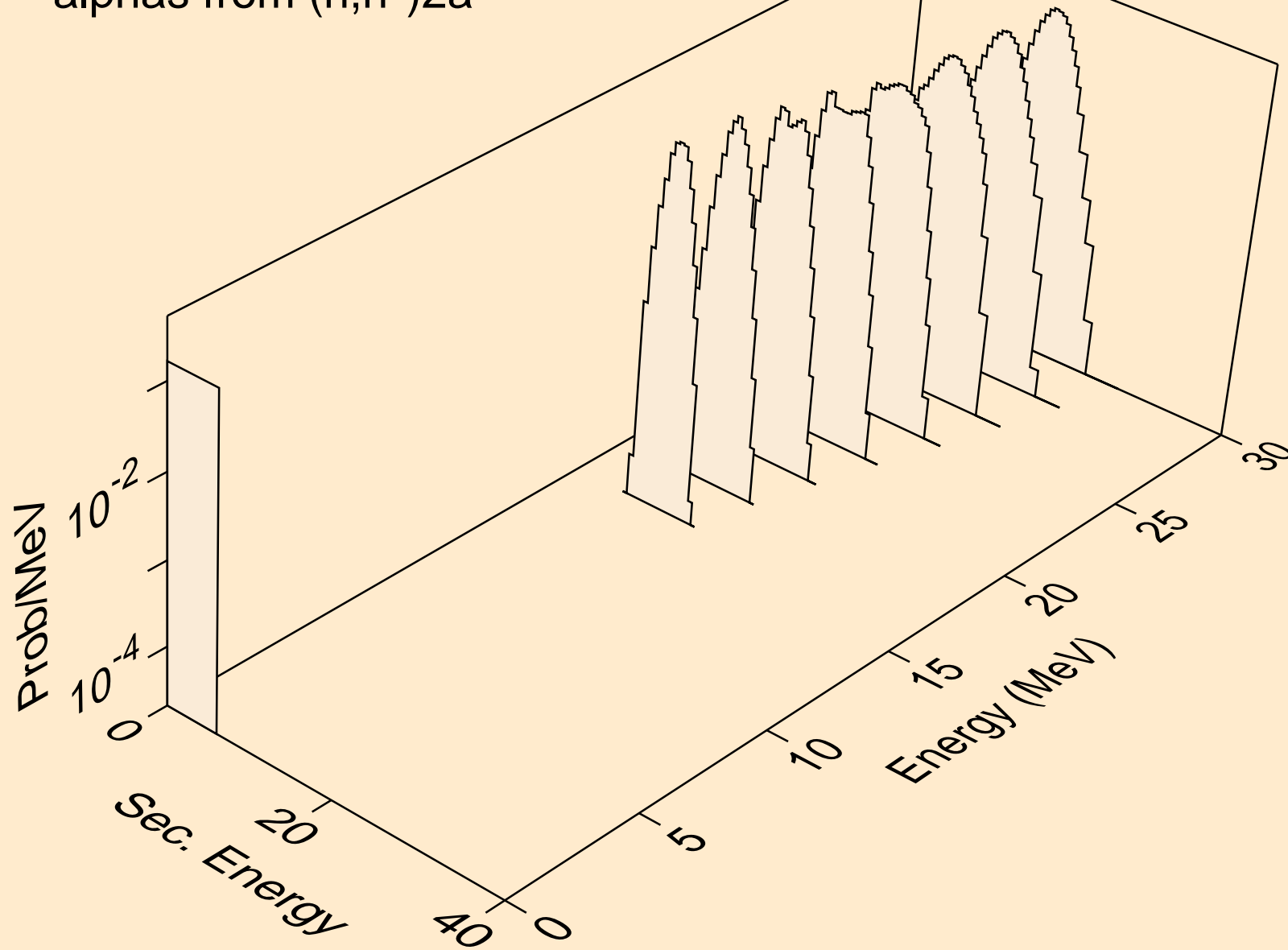
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



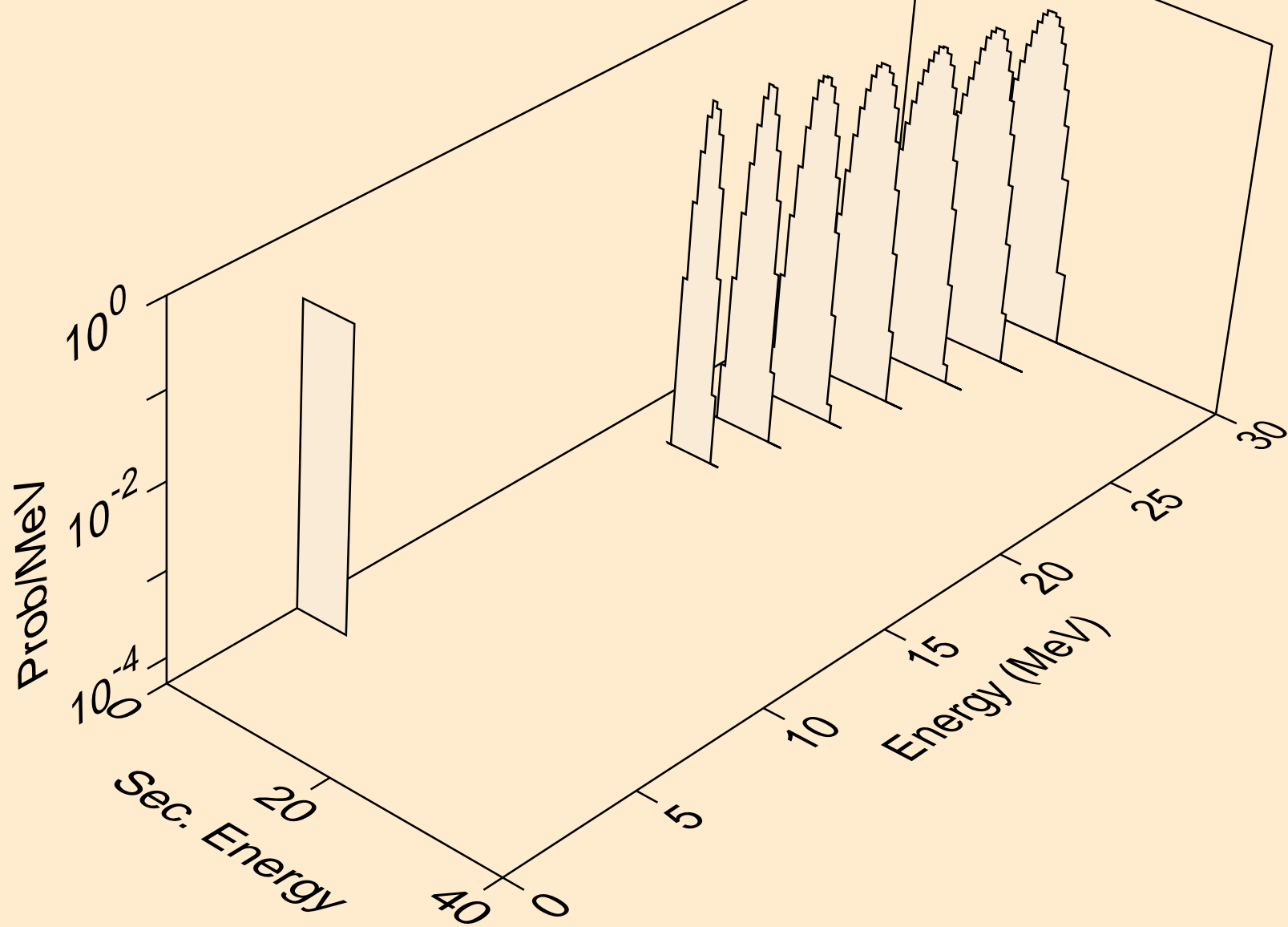
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



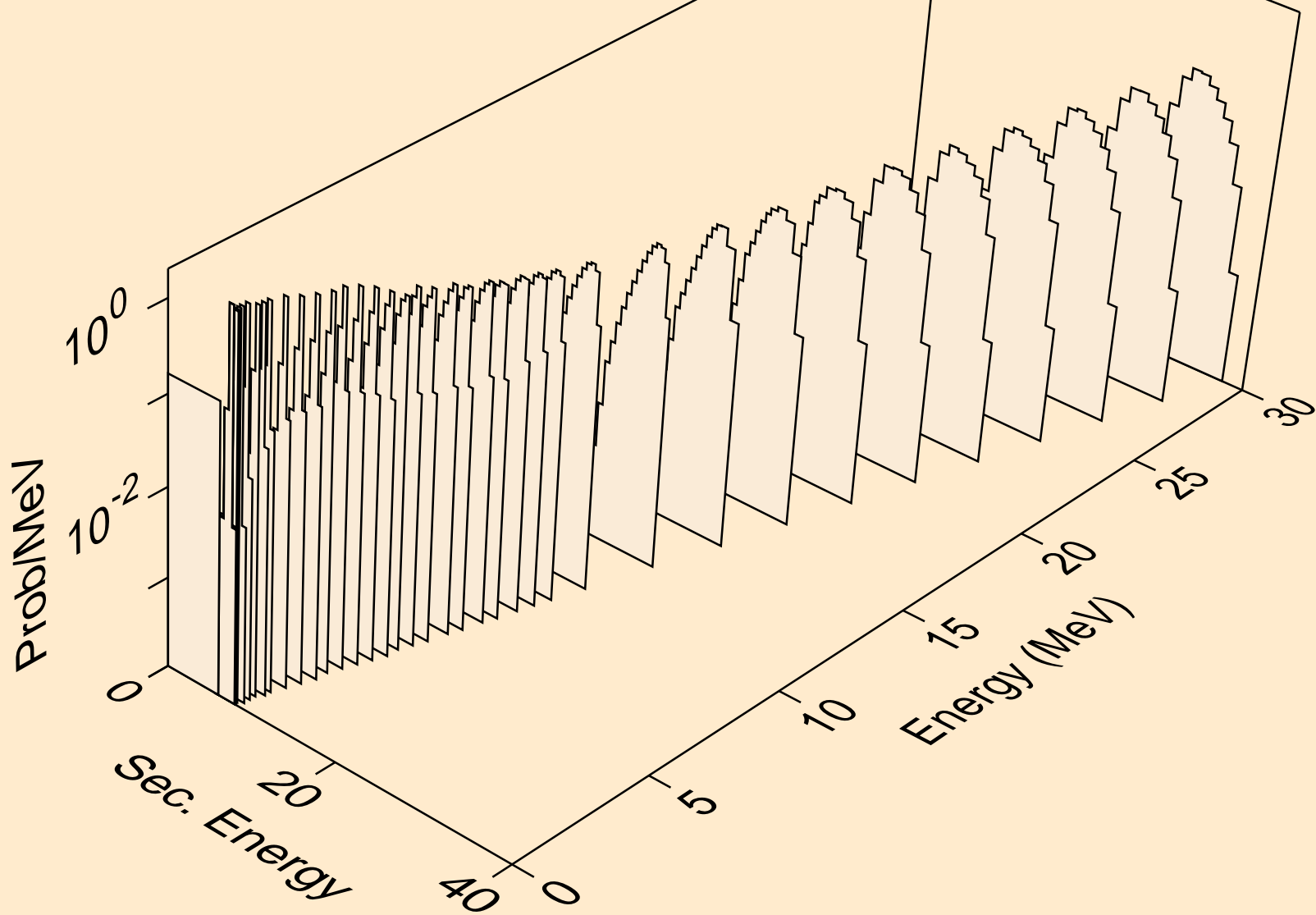
HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a



HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)

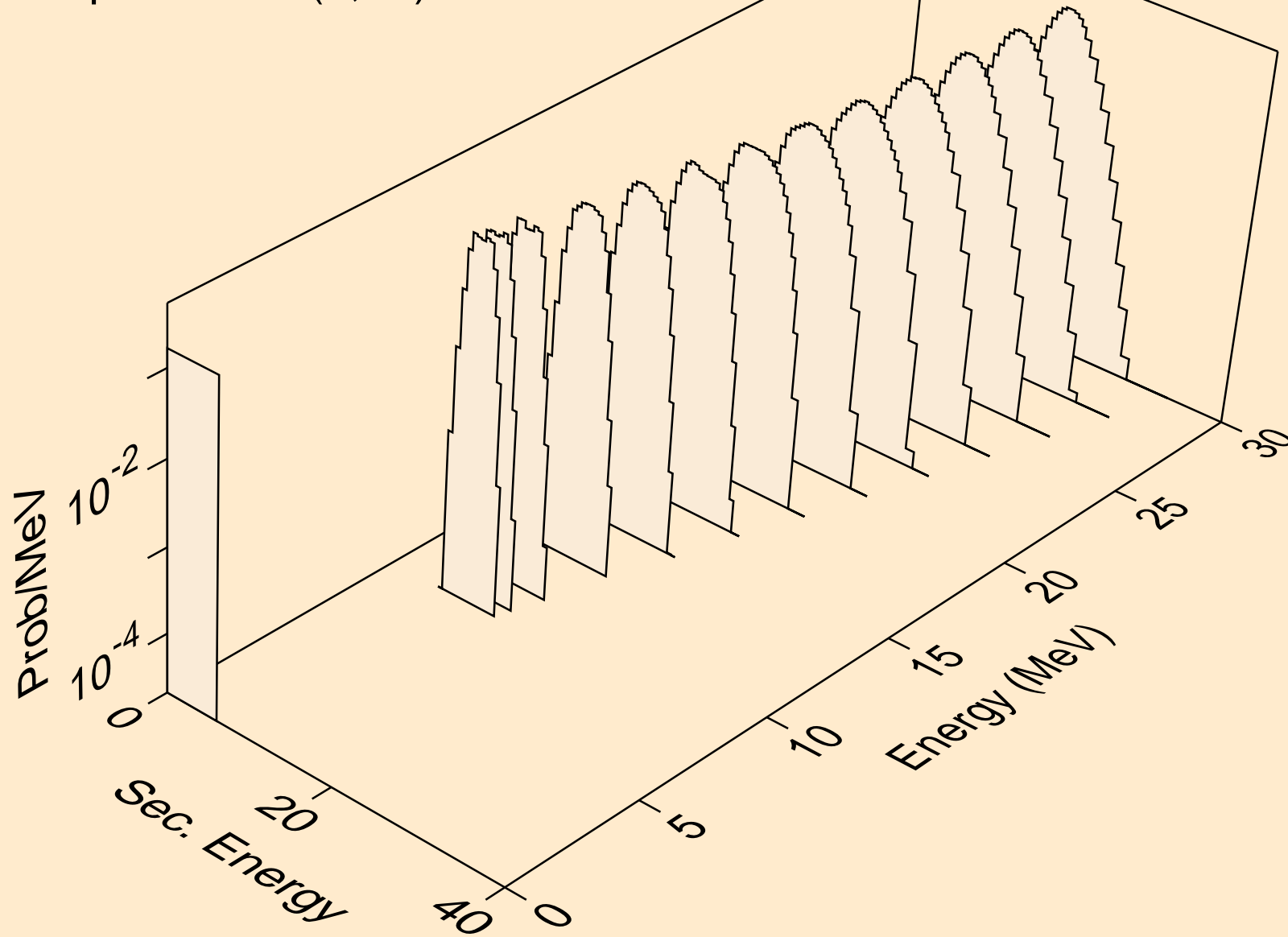


HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)

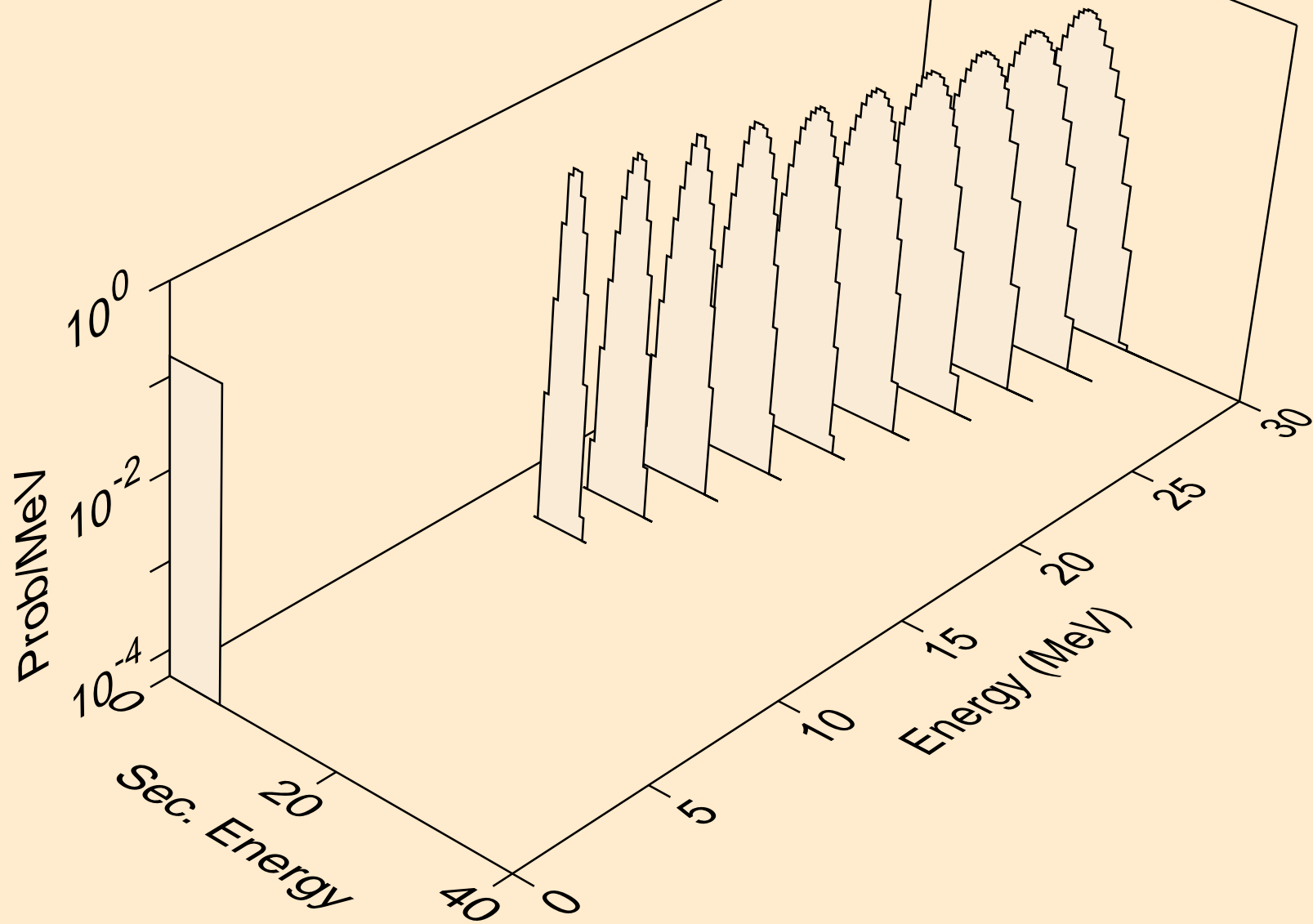




HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



HG196 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

