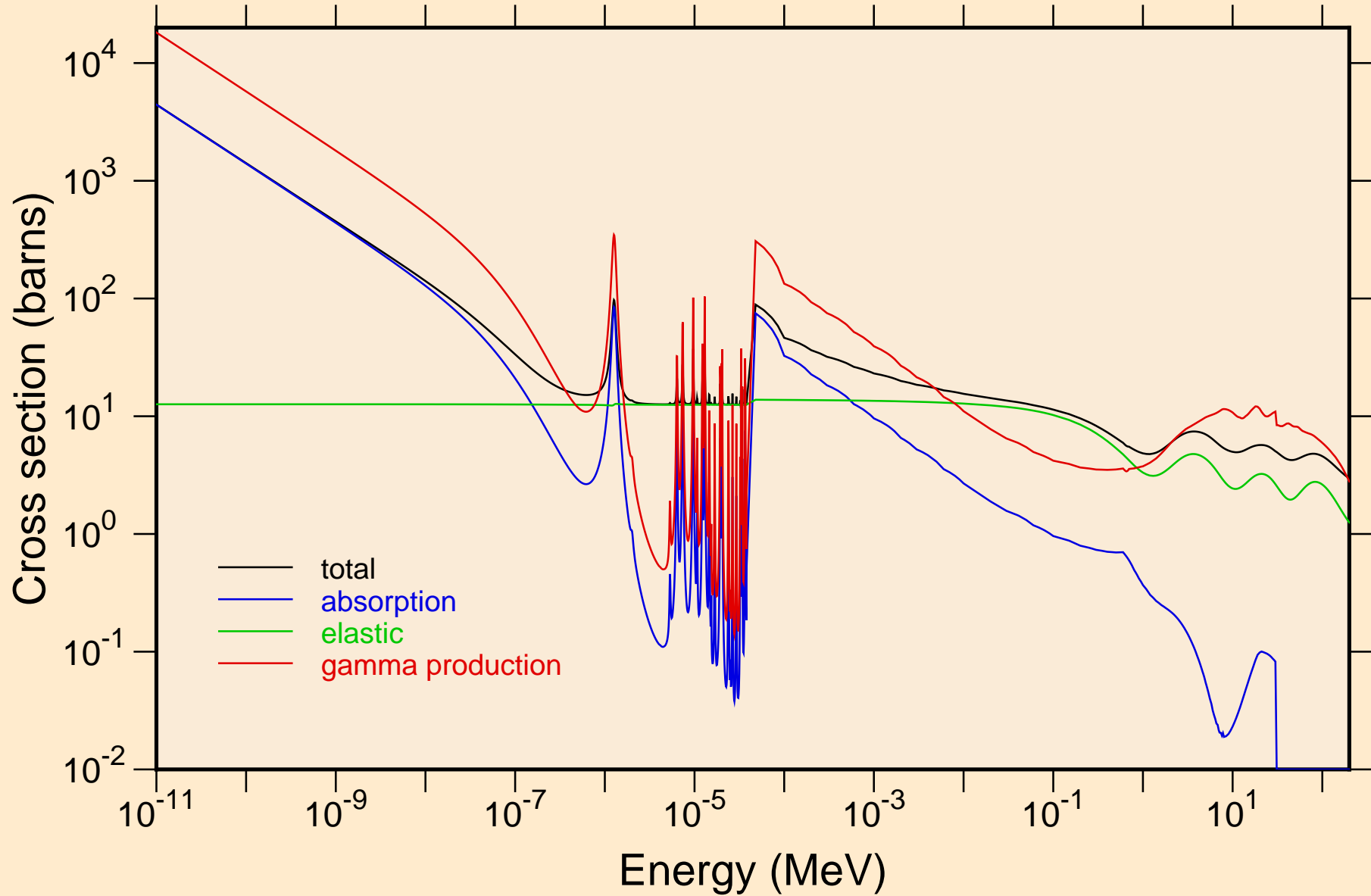
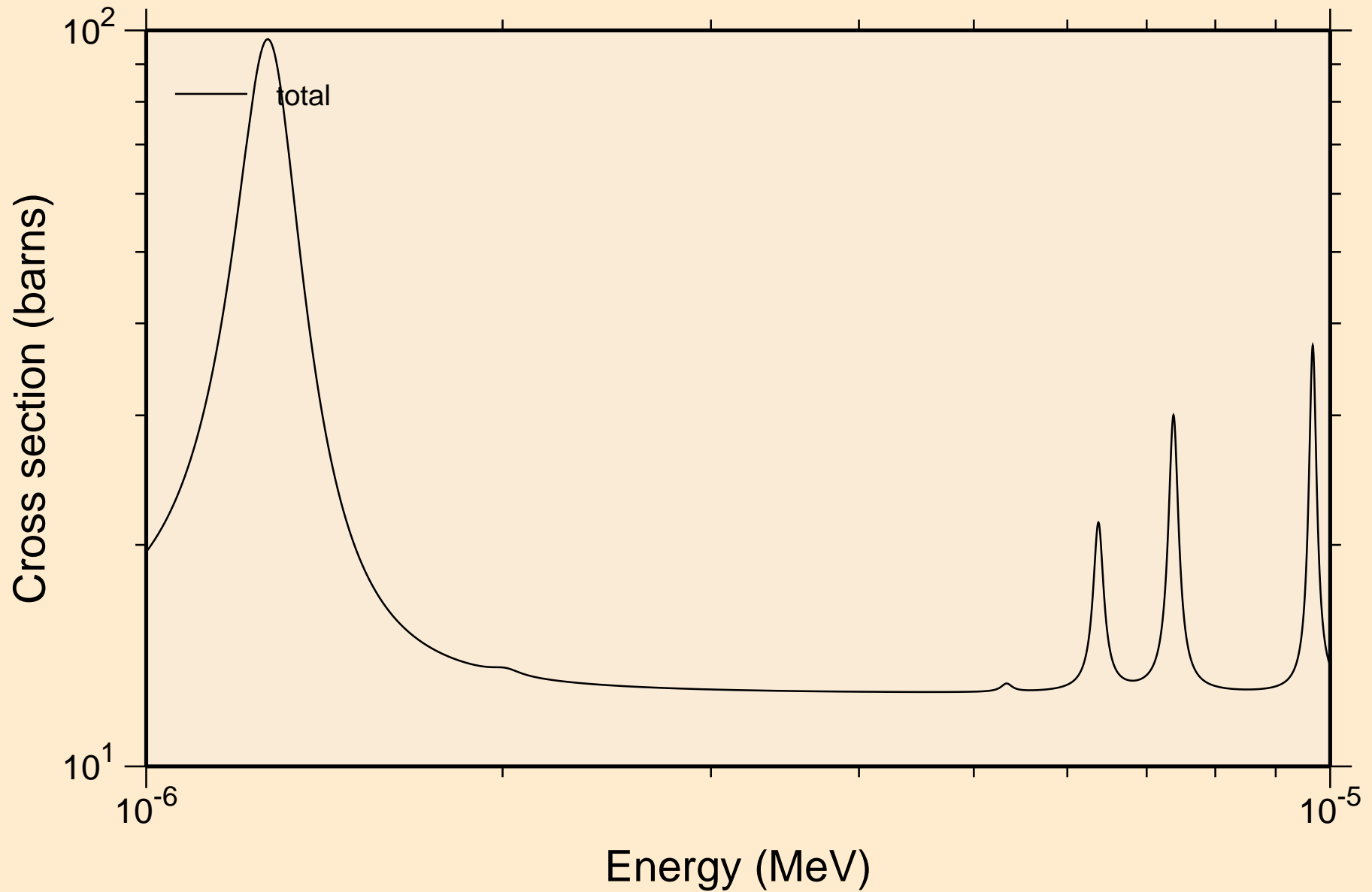


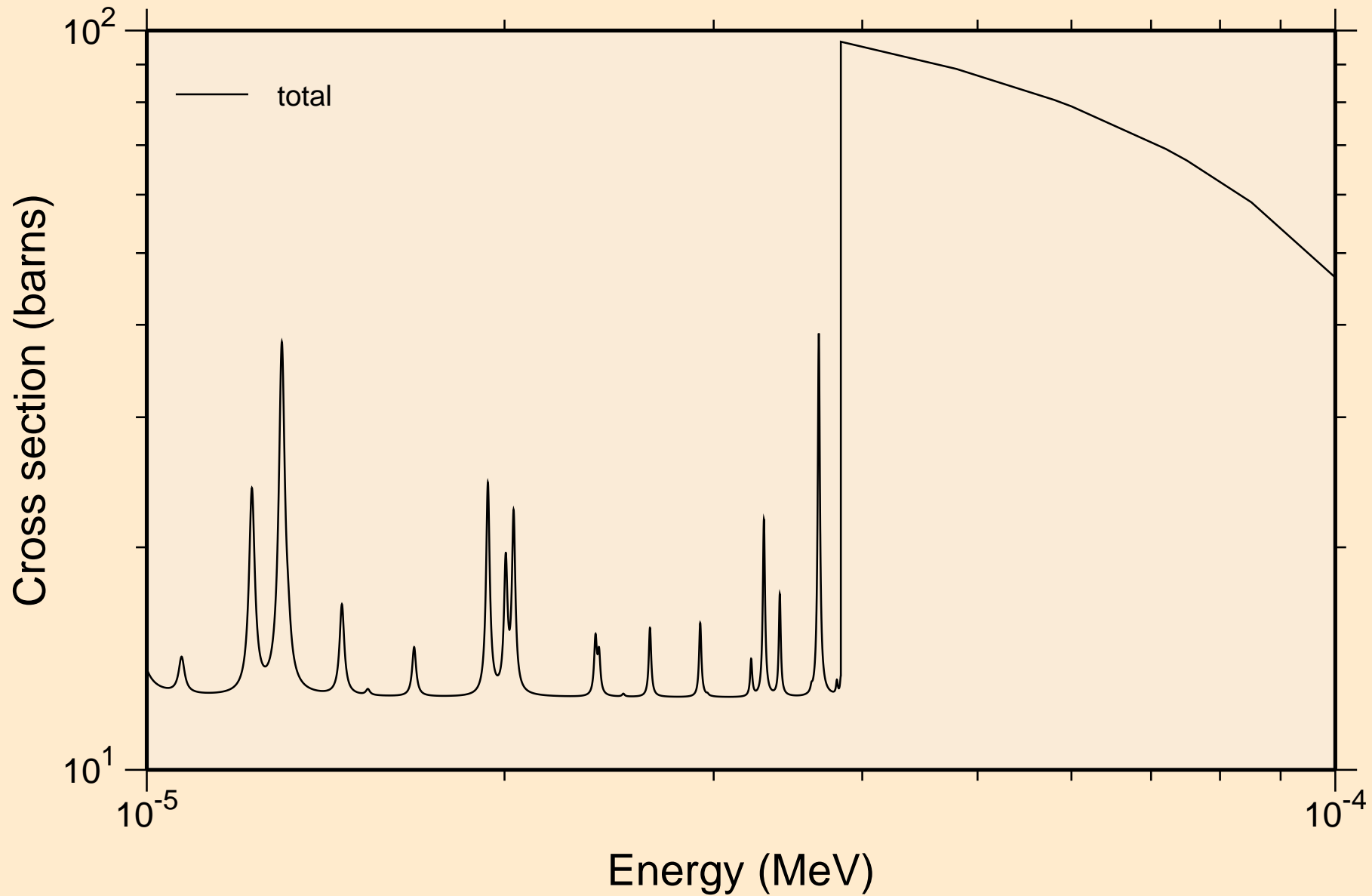
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Principal cross sections



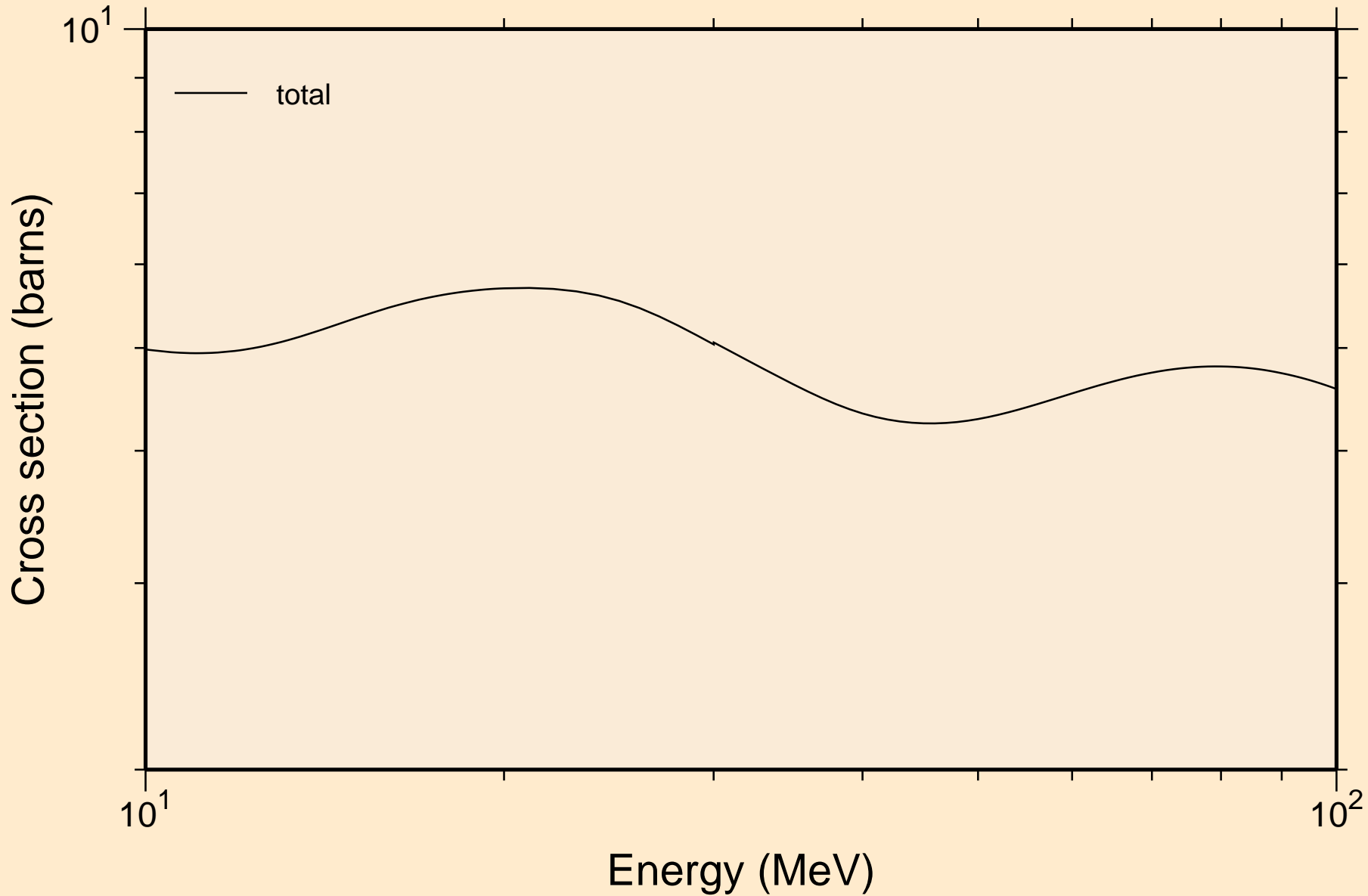
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



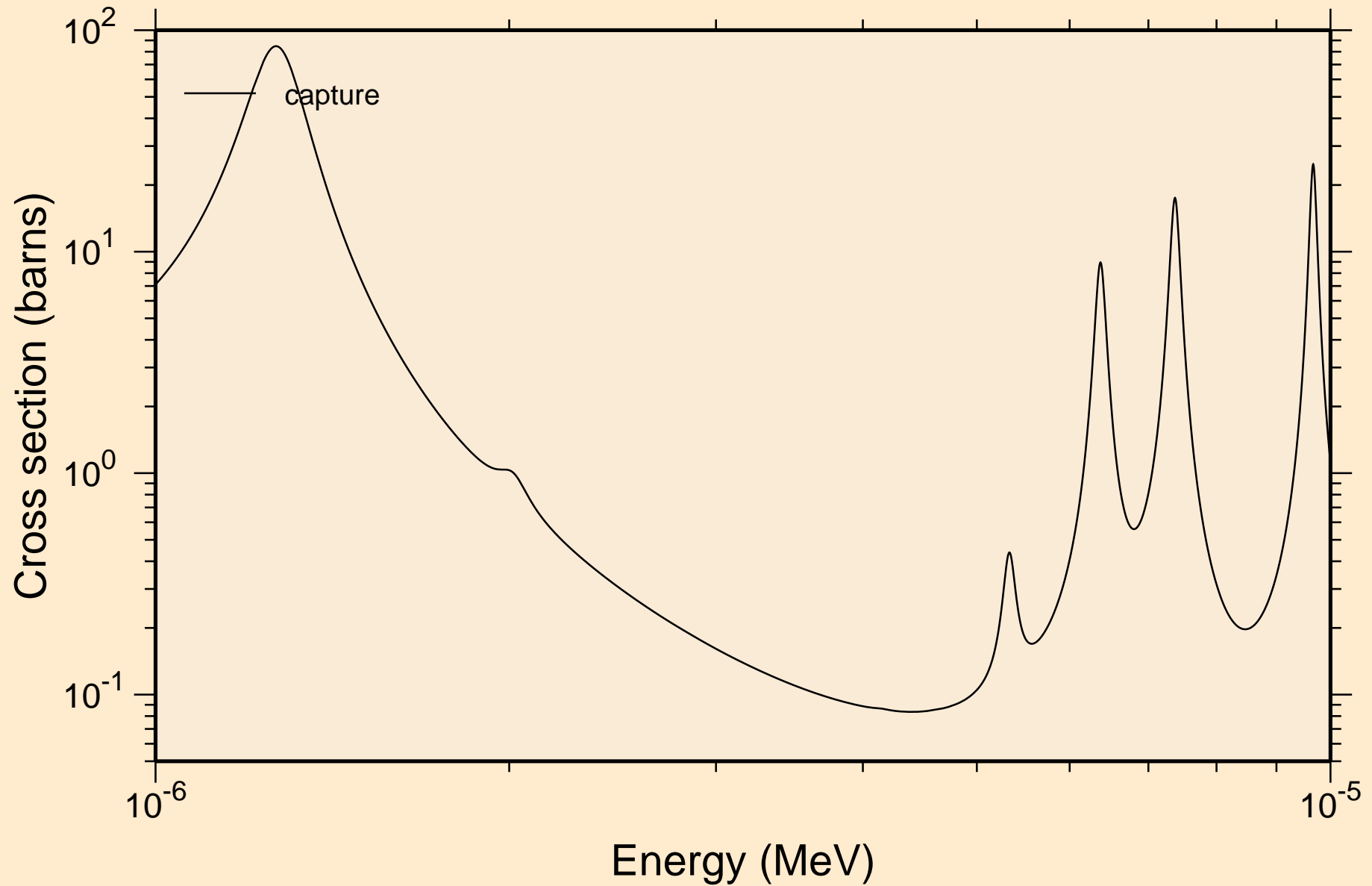
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



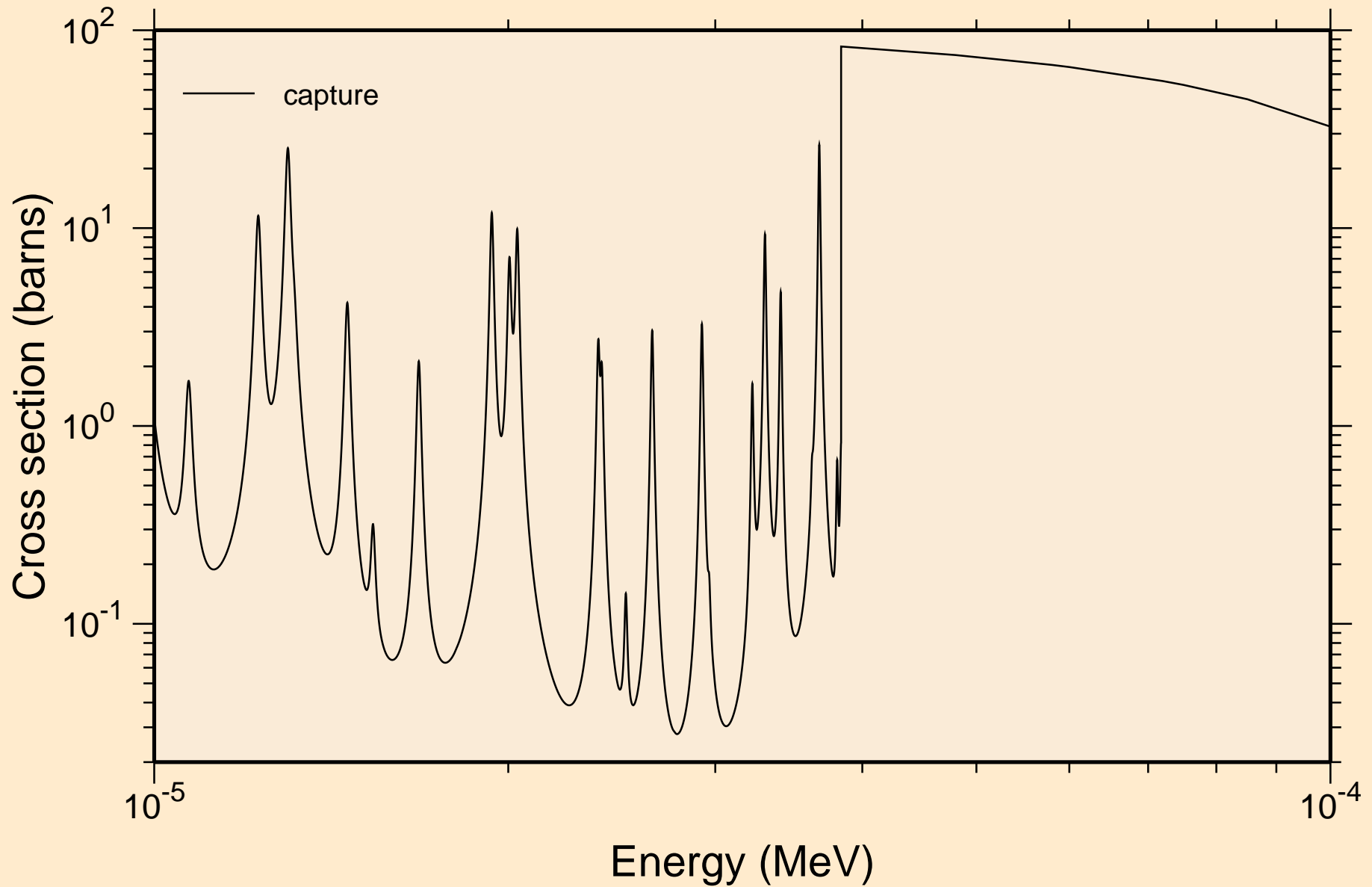
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



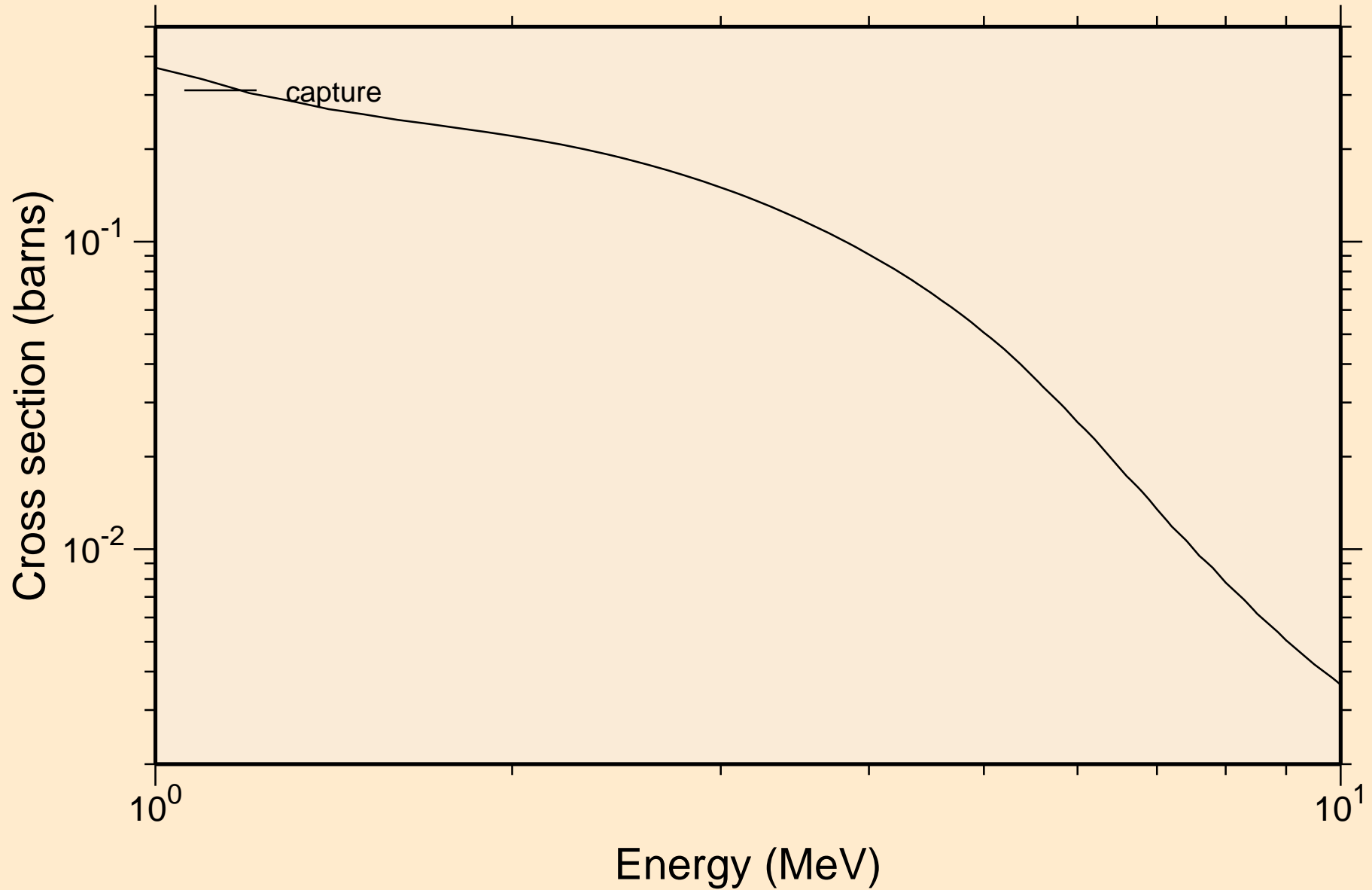
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

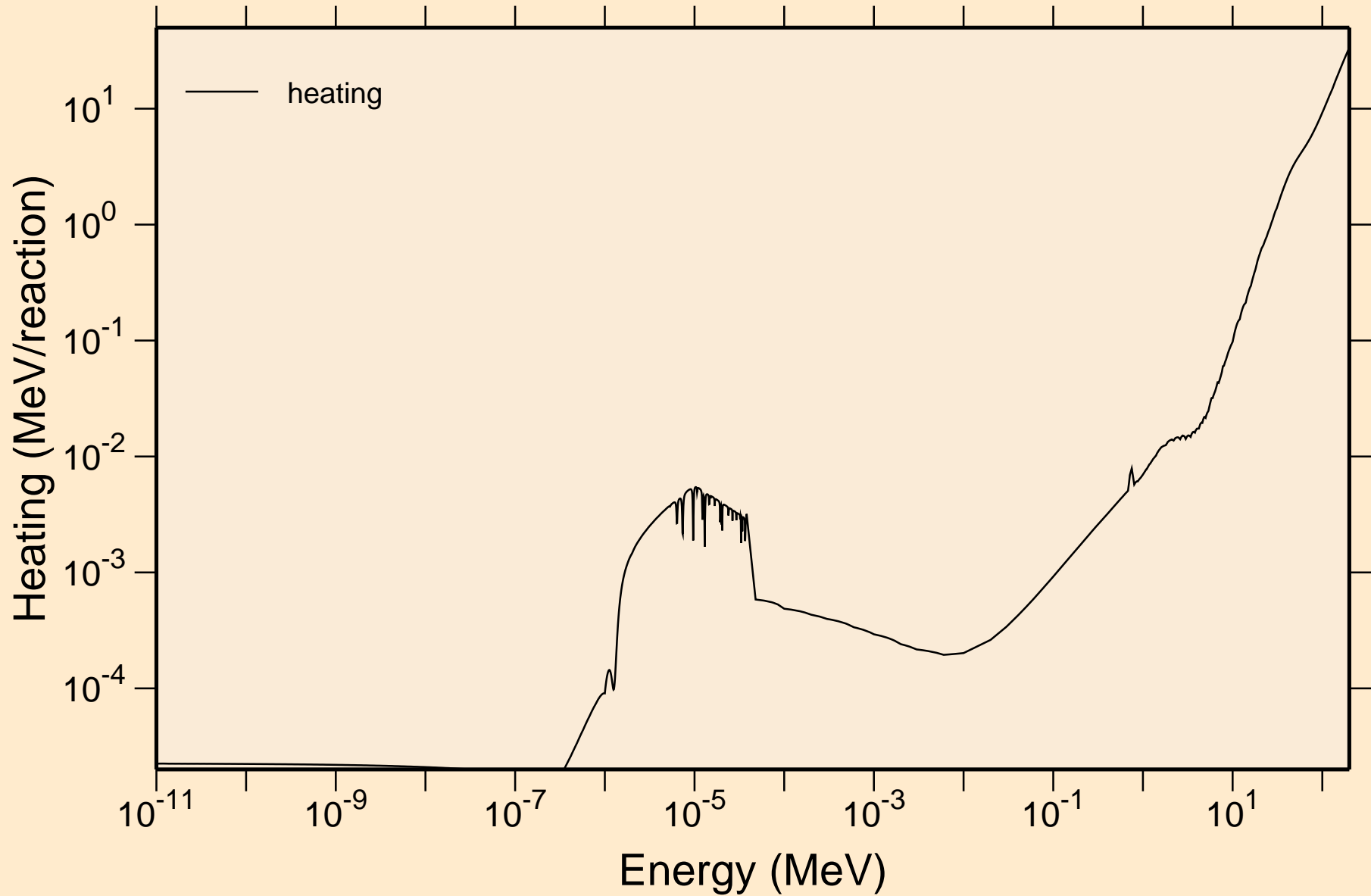


BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



# BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

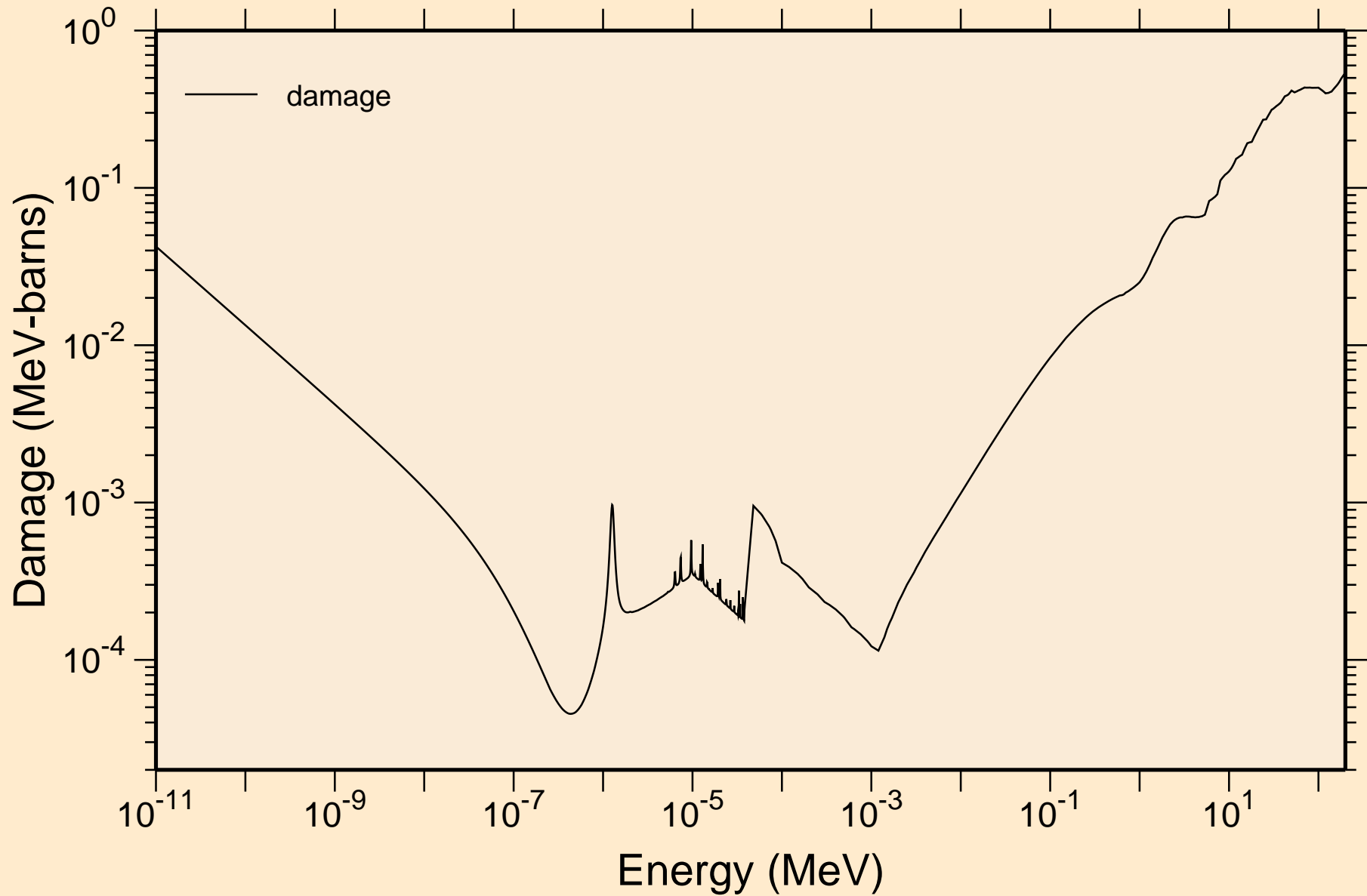
## Heating



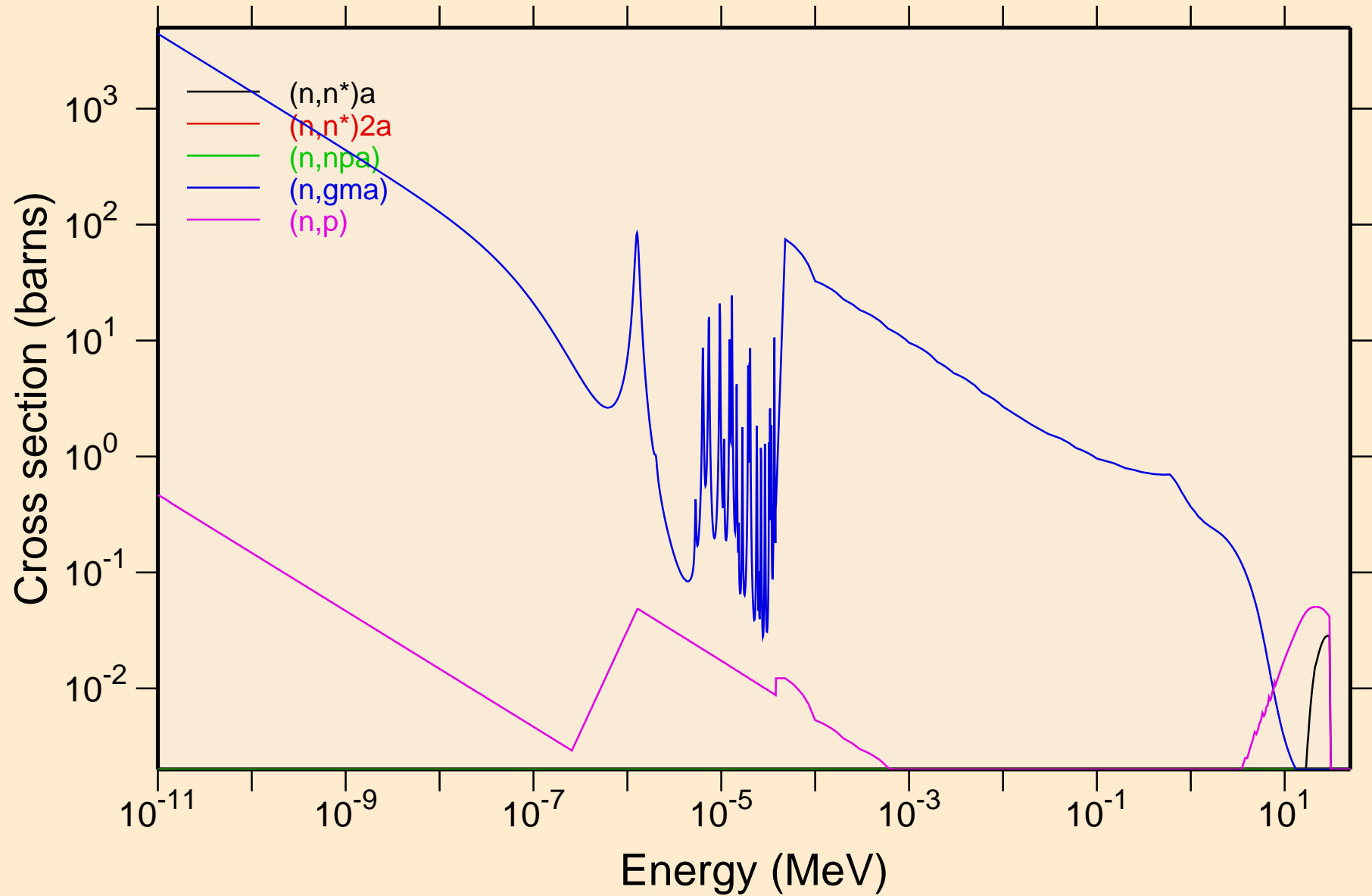


# BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

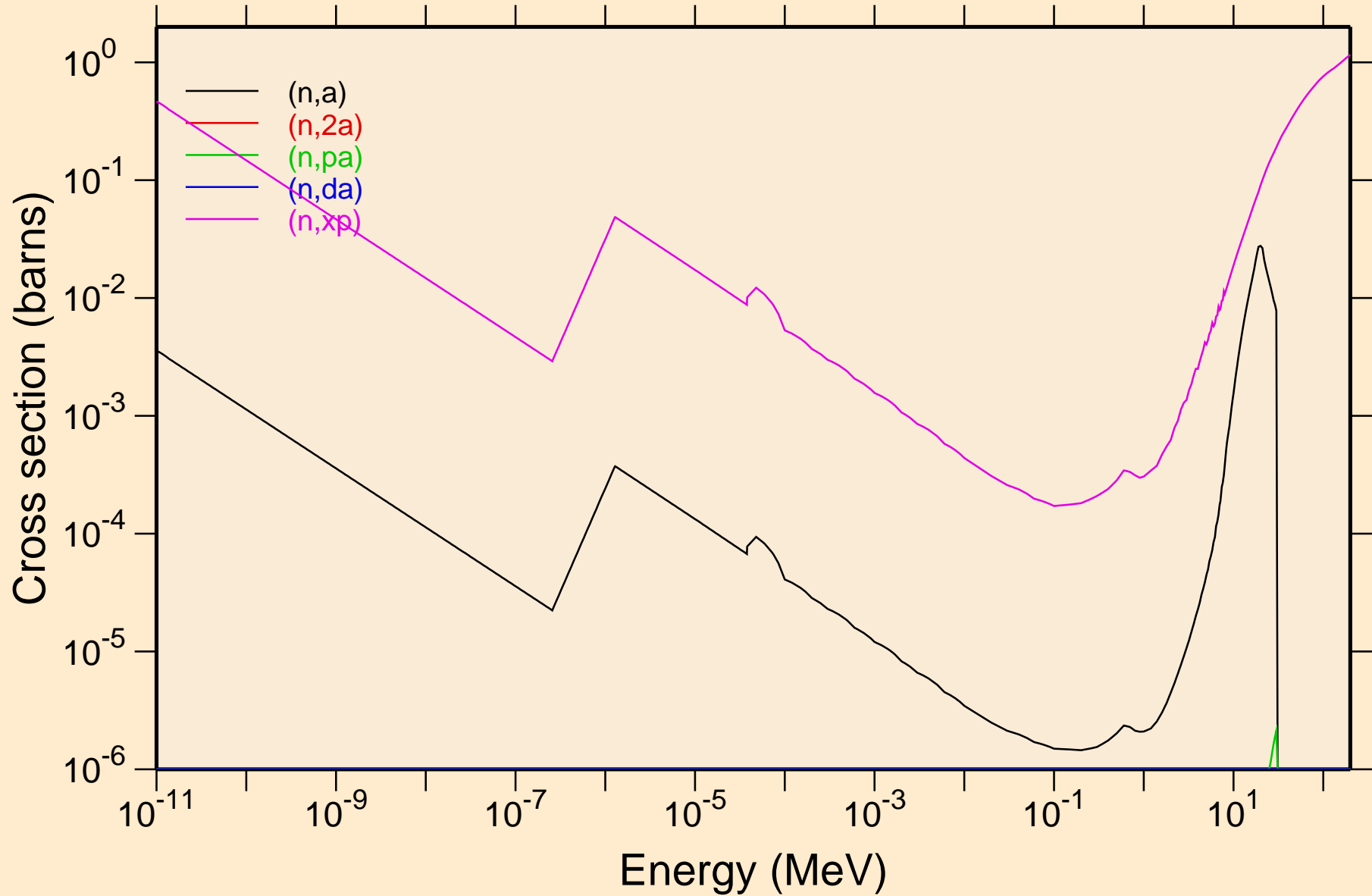
## Damage



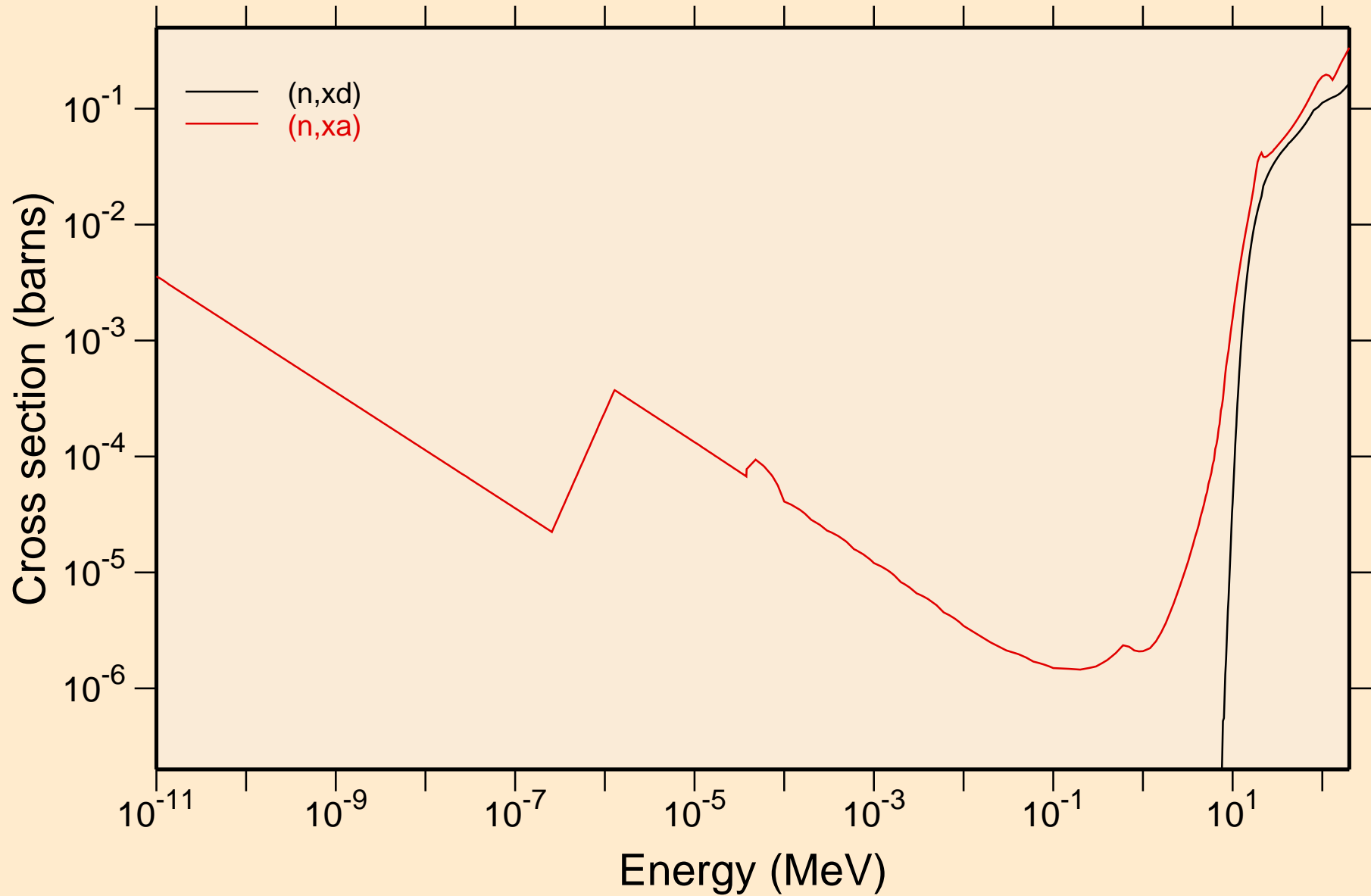
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

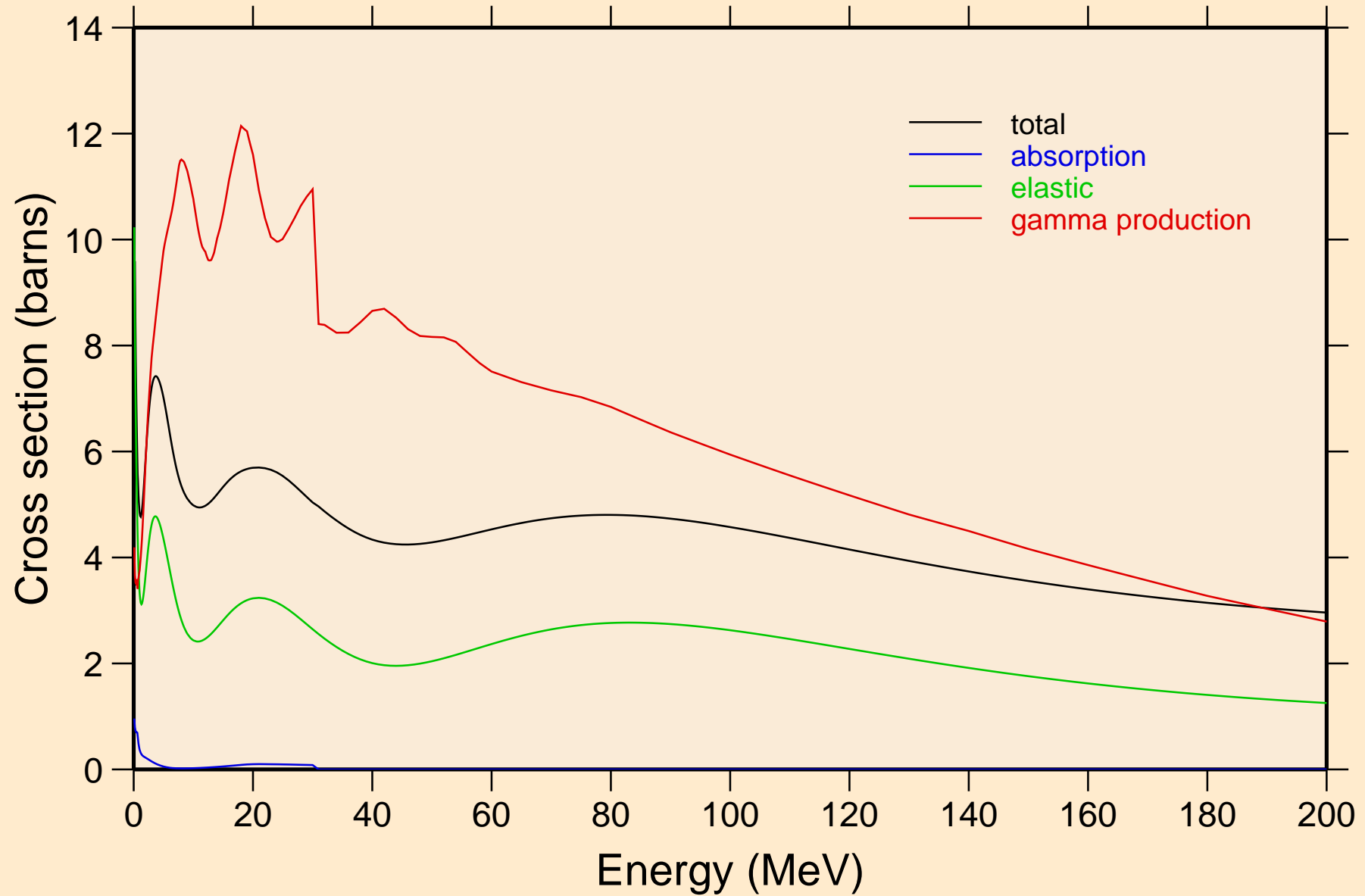


BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



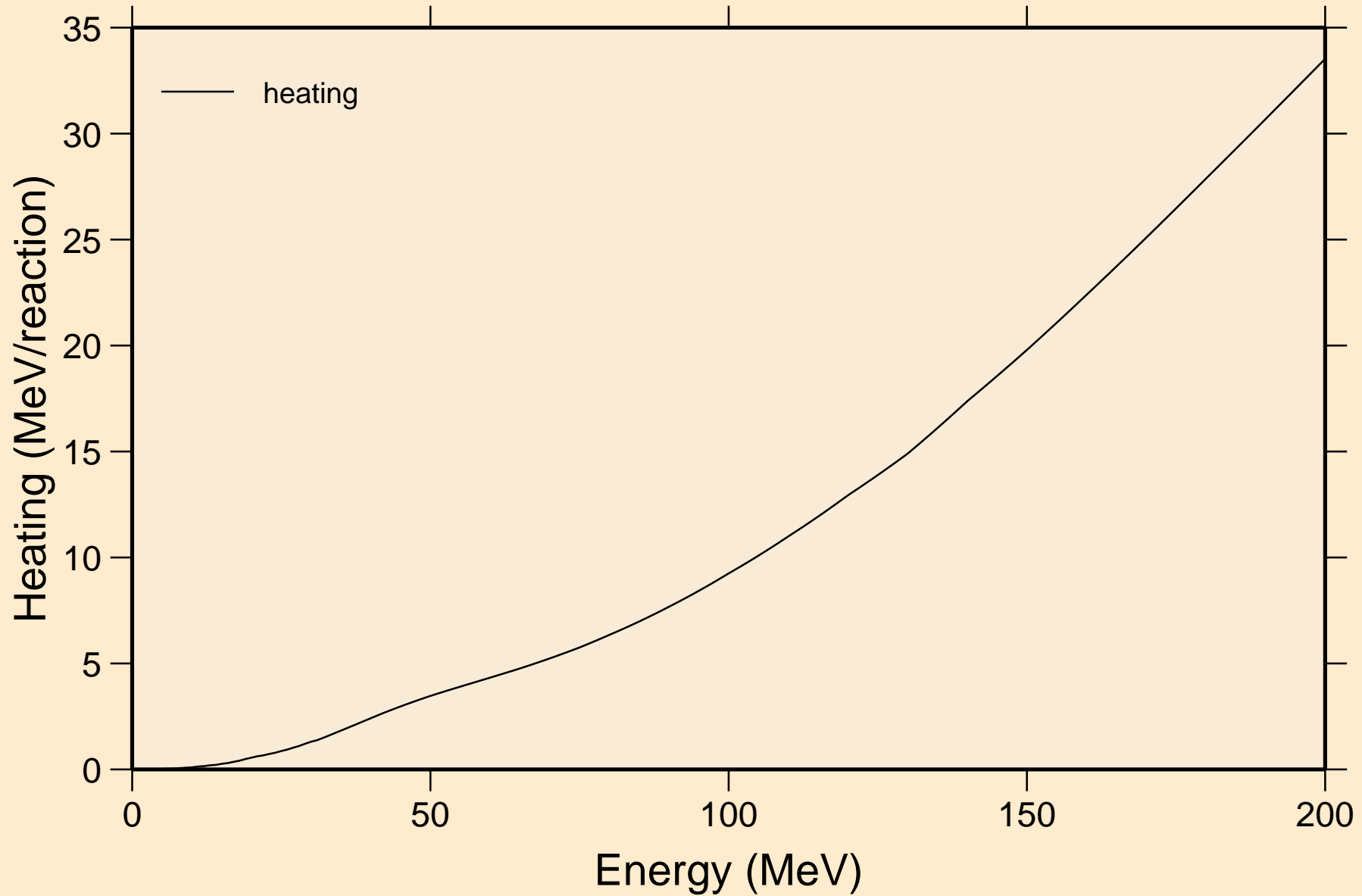
# BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



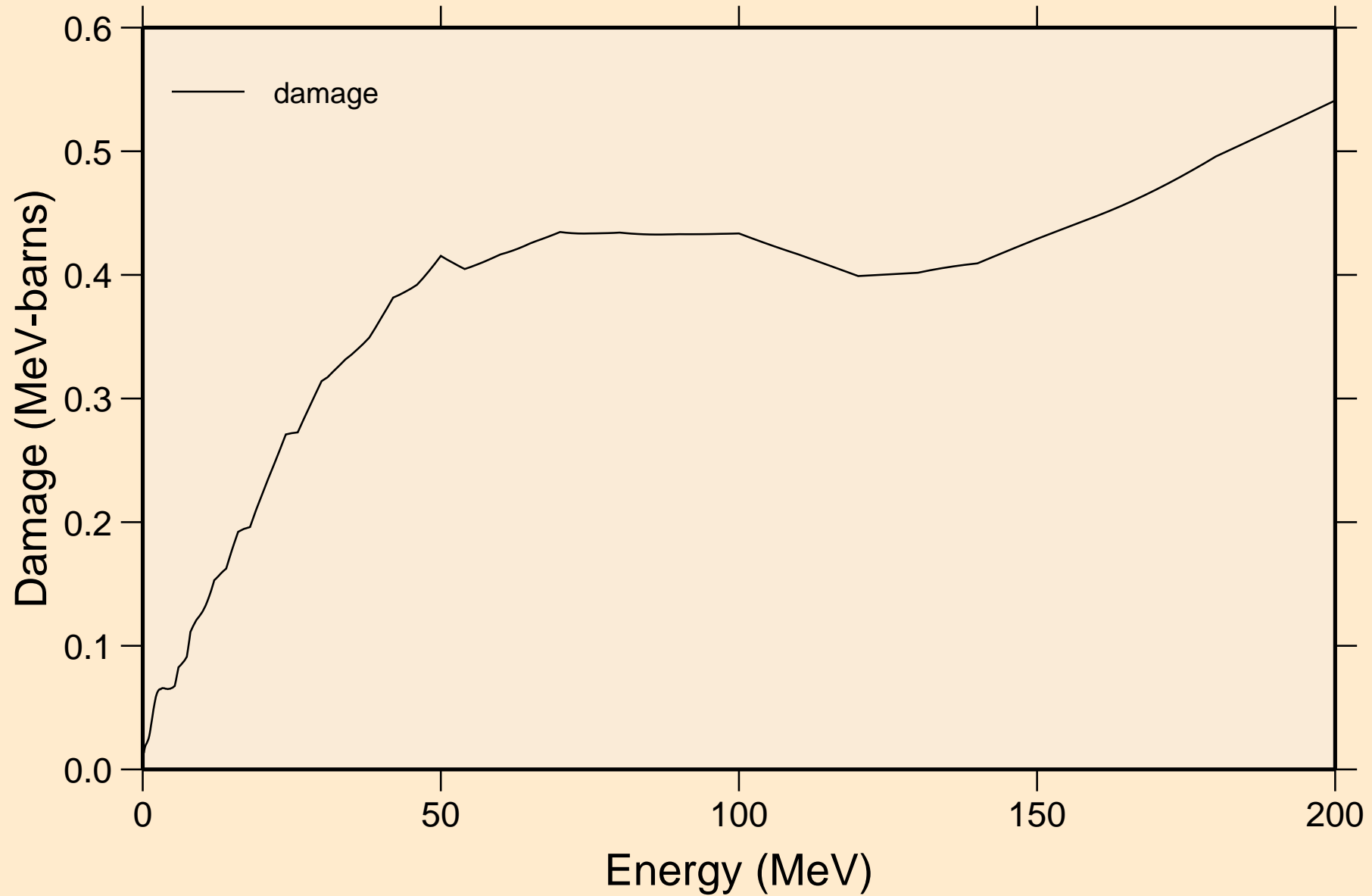
# BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

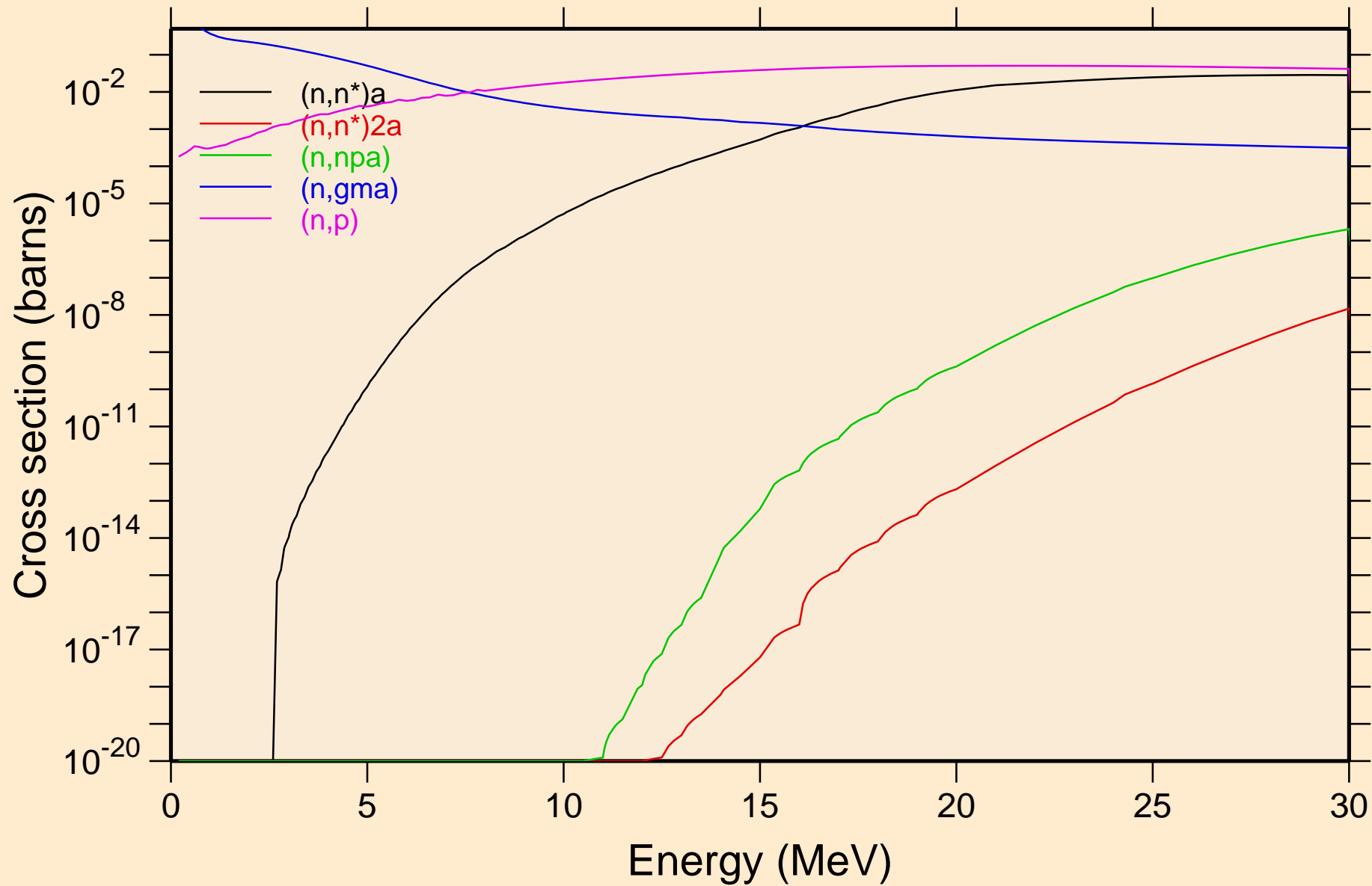


# BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Damage

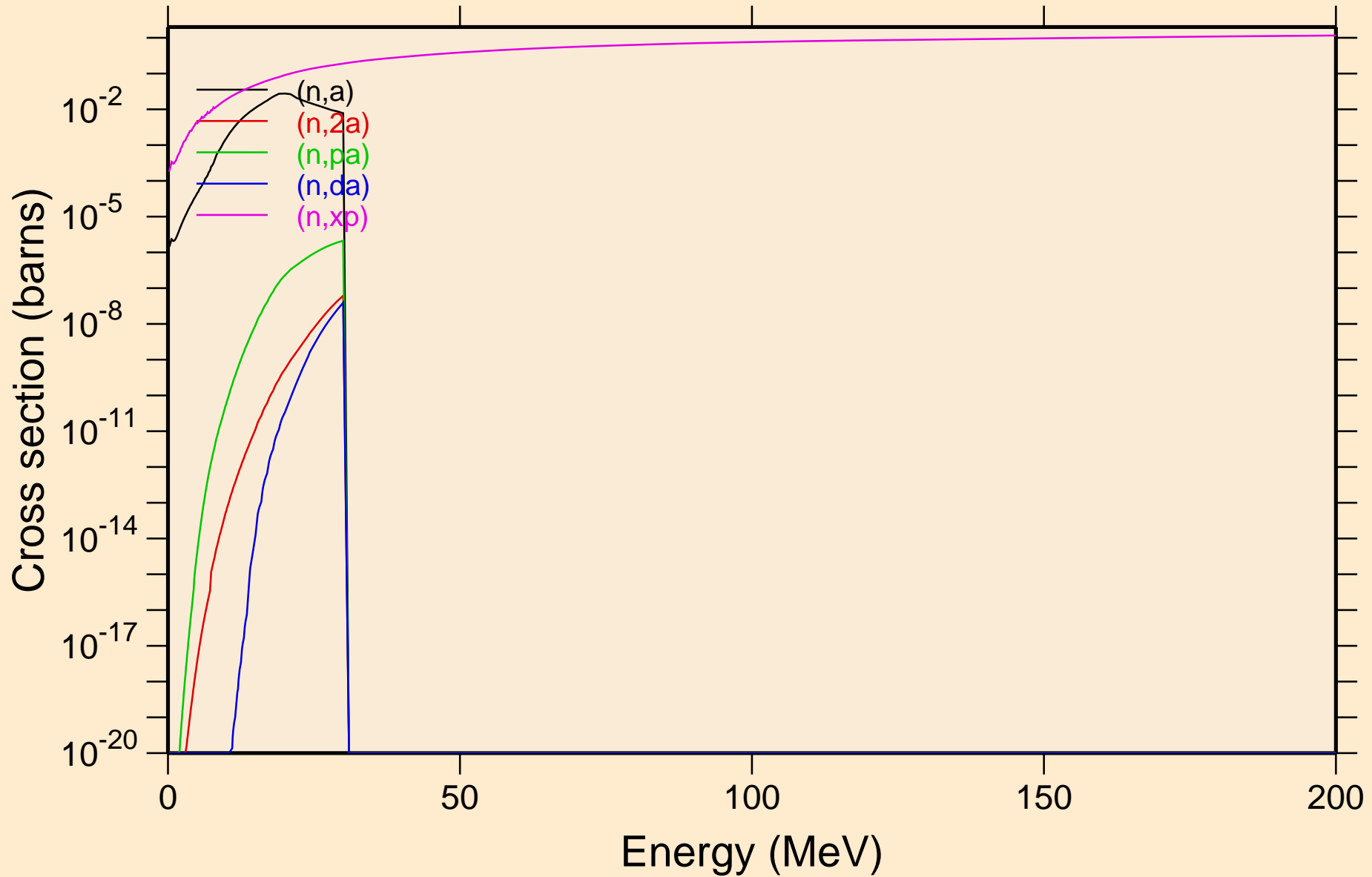


BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

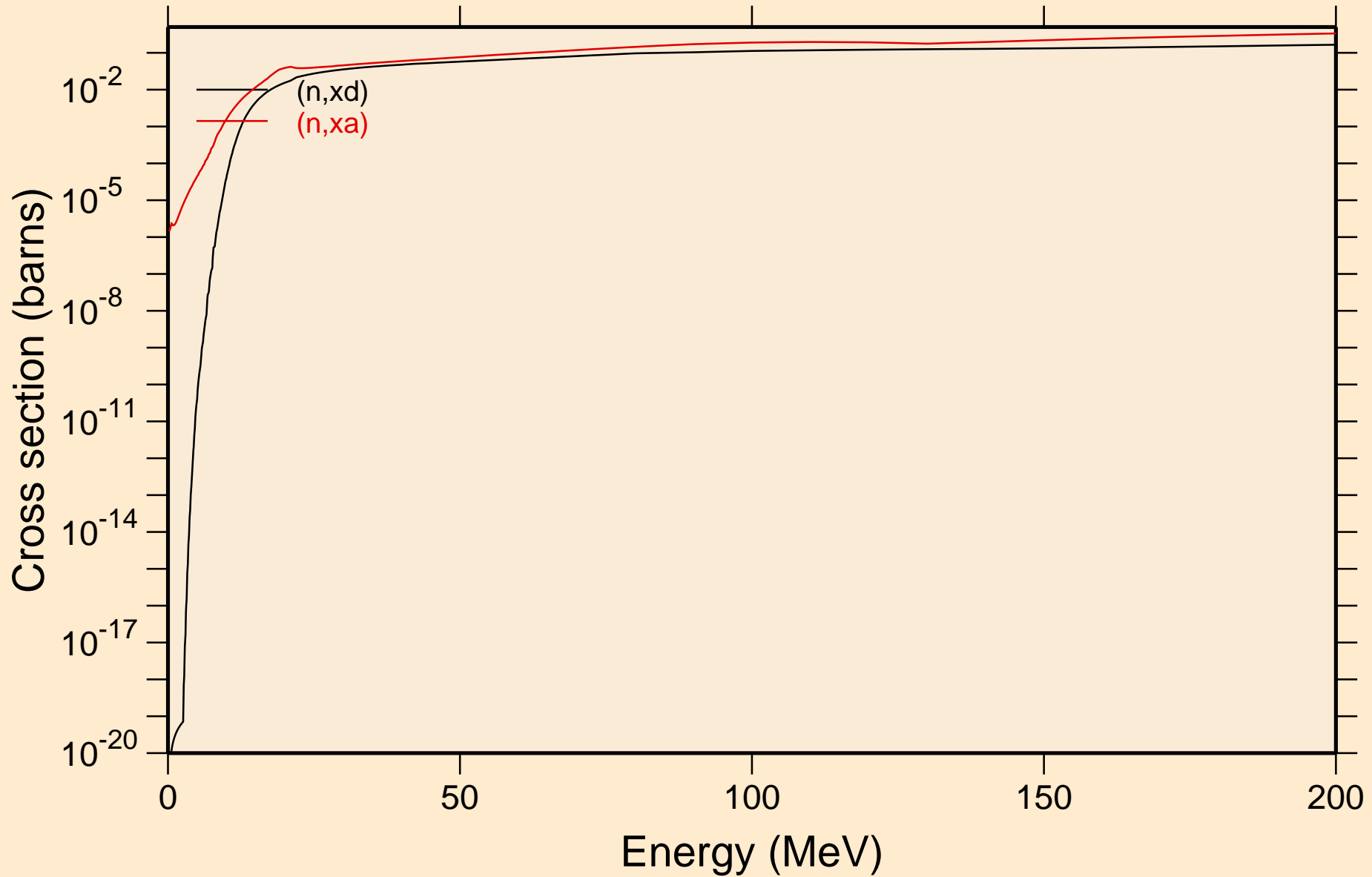




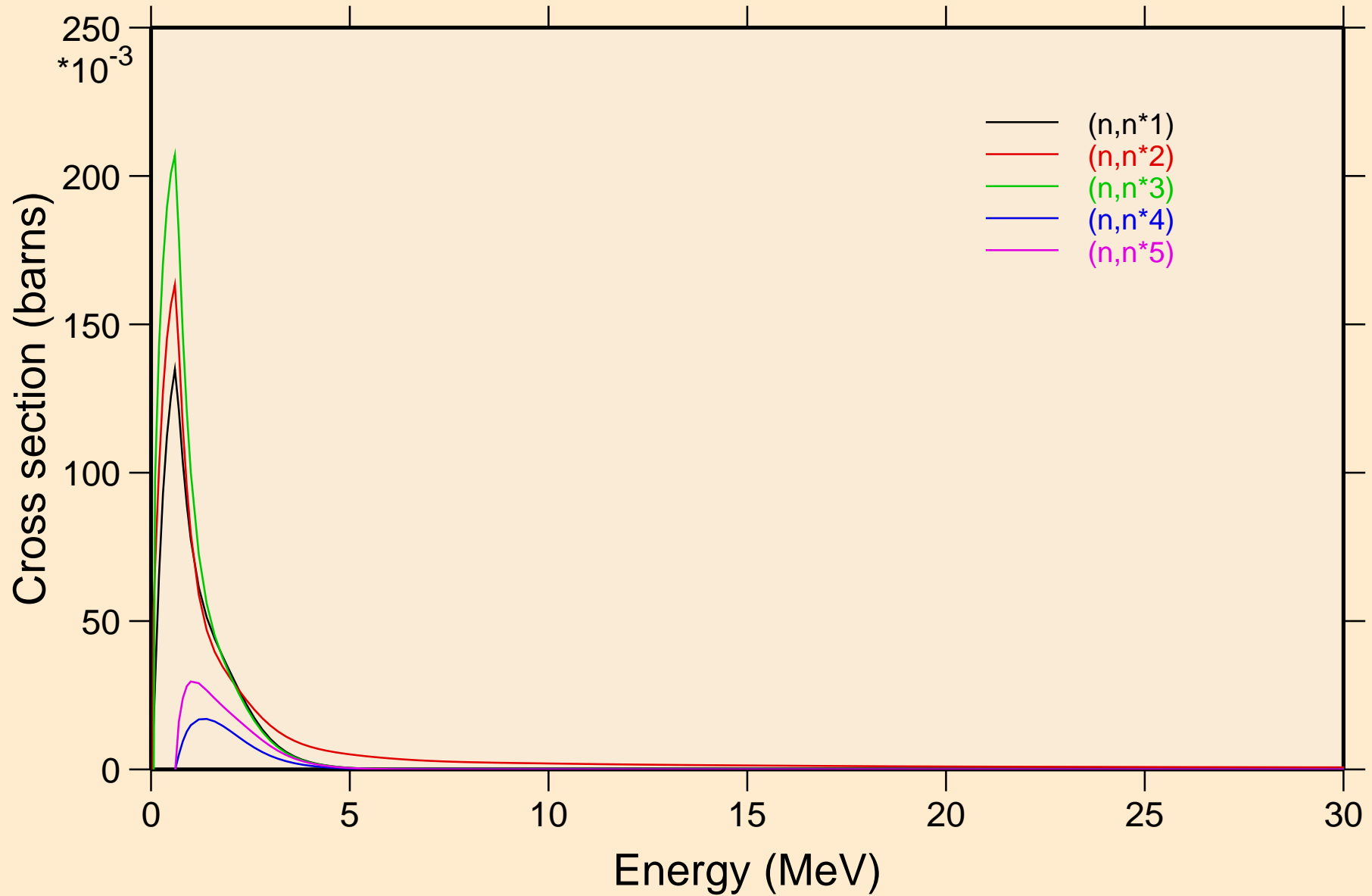
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



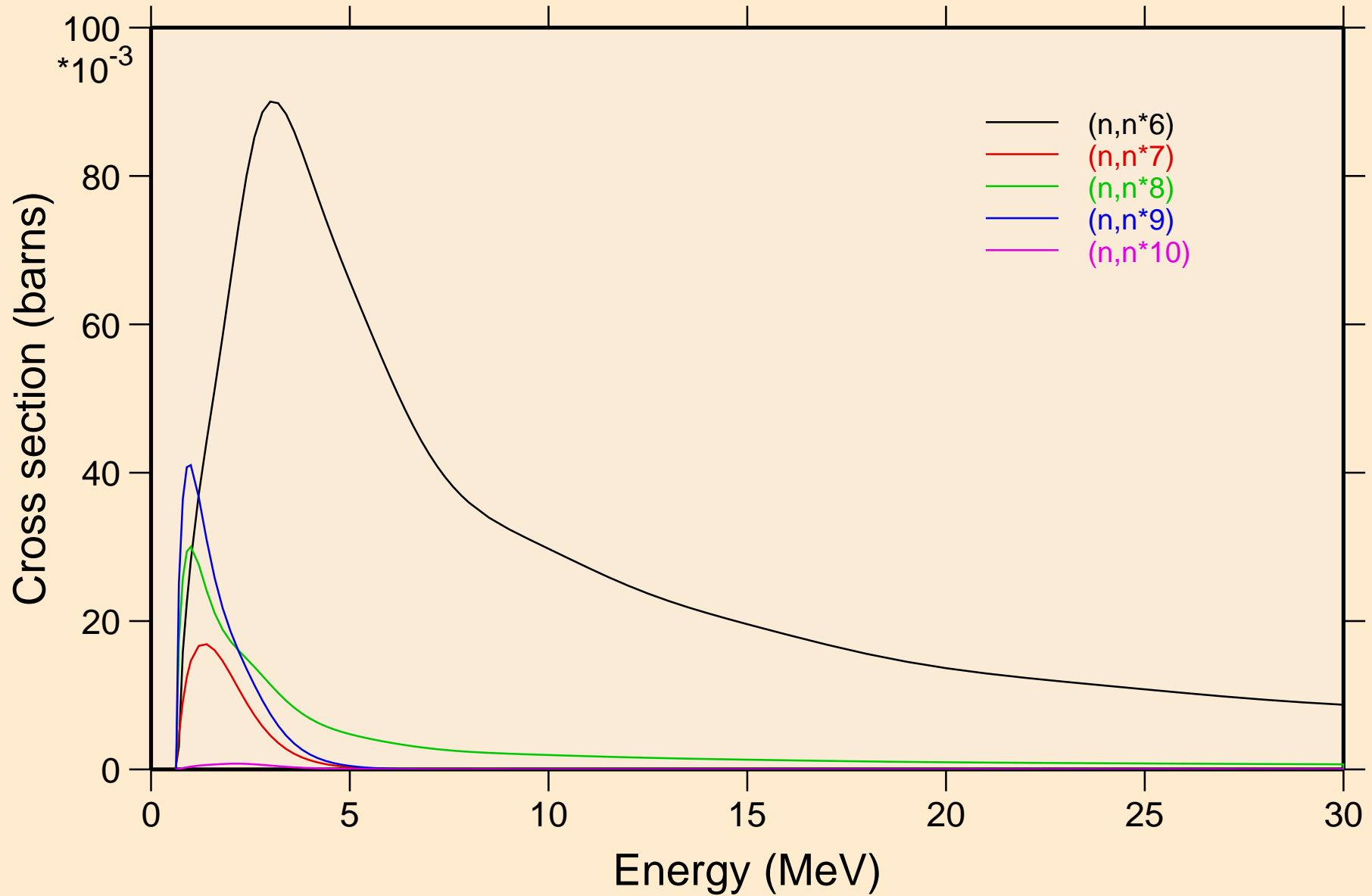
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



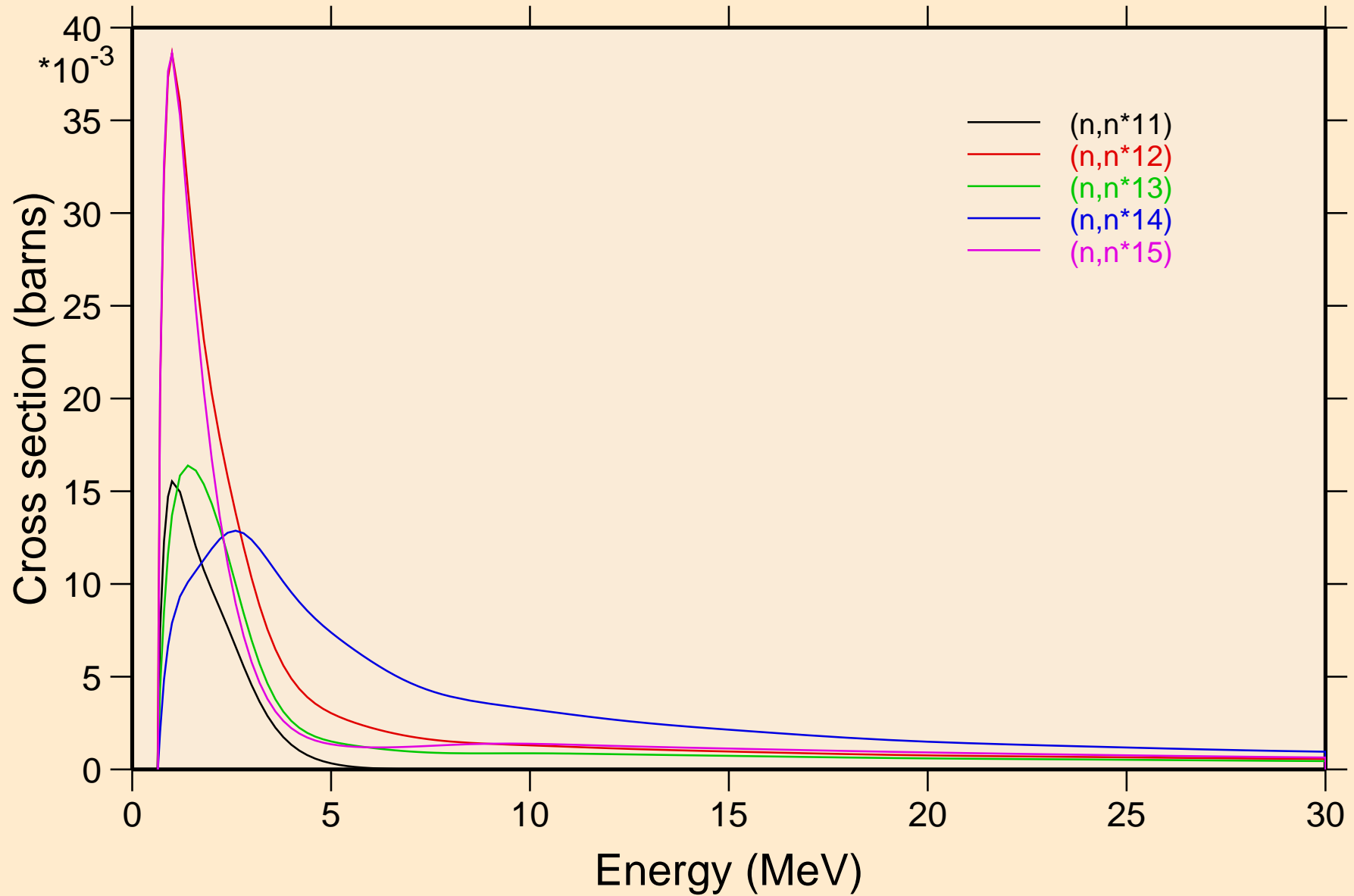
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



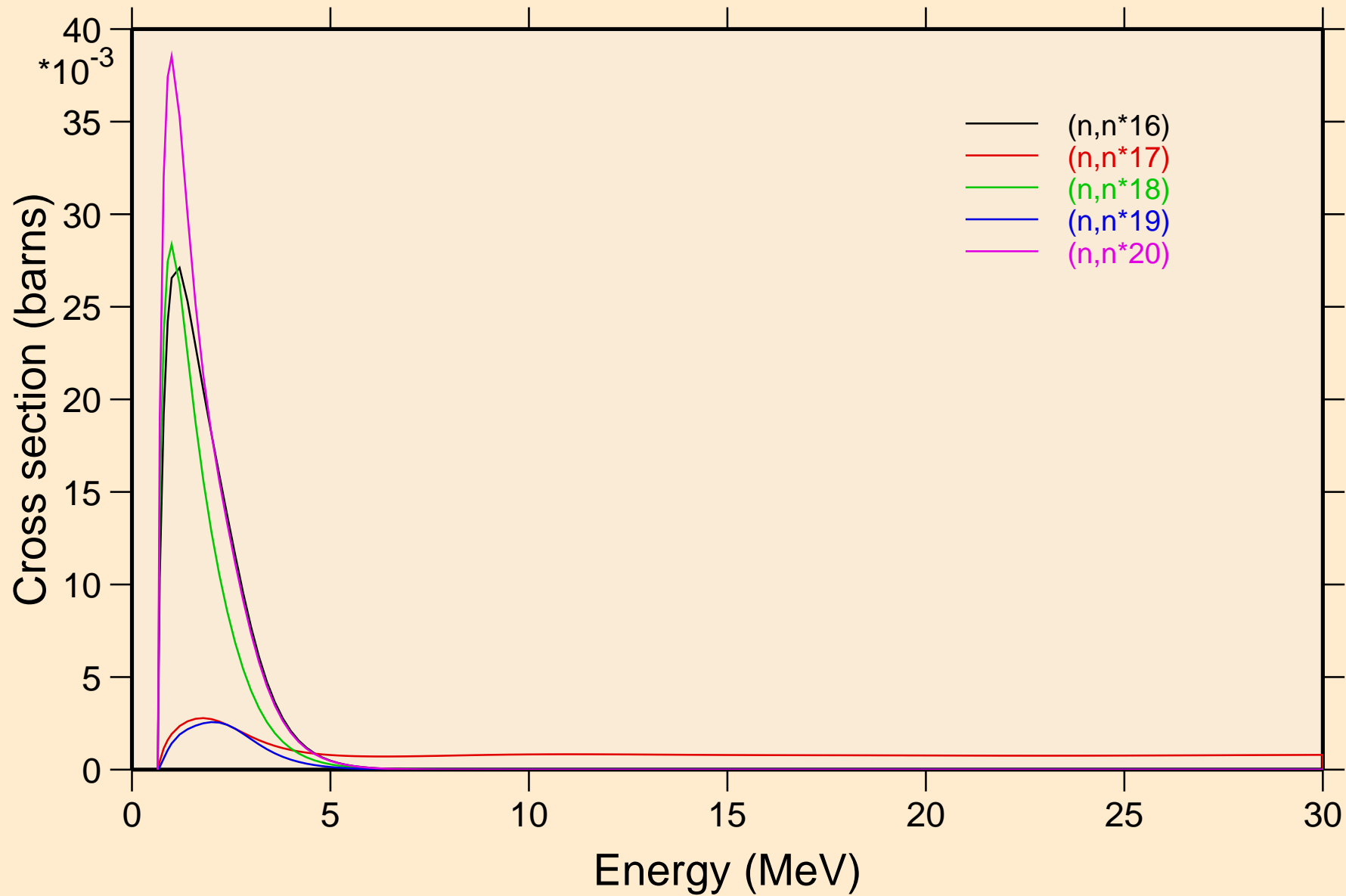
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



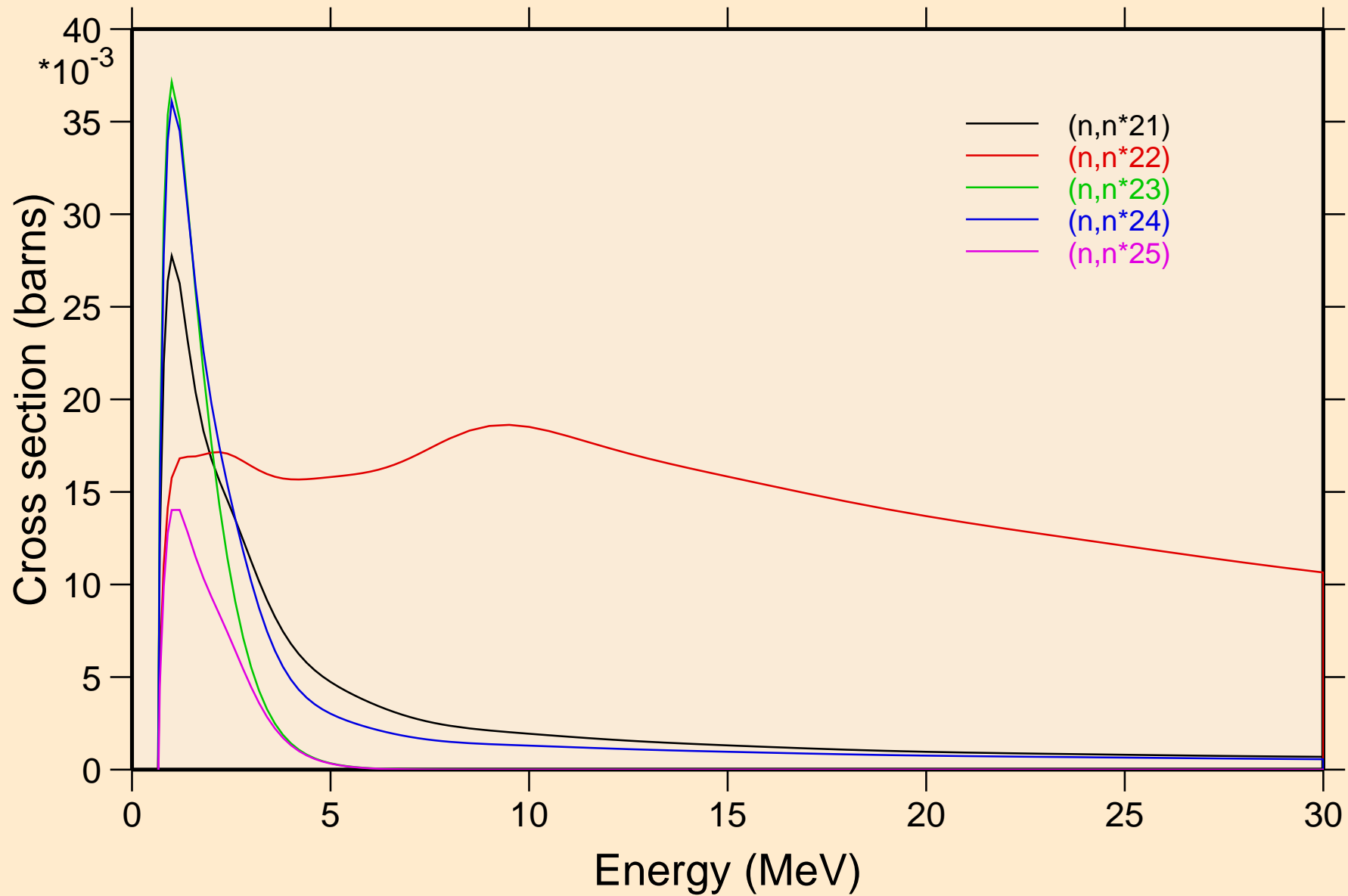
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



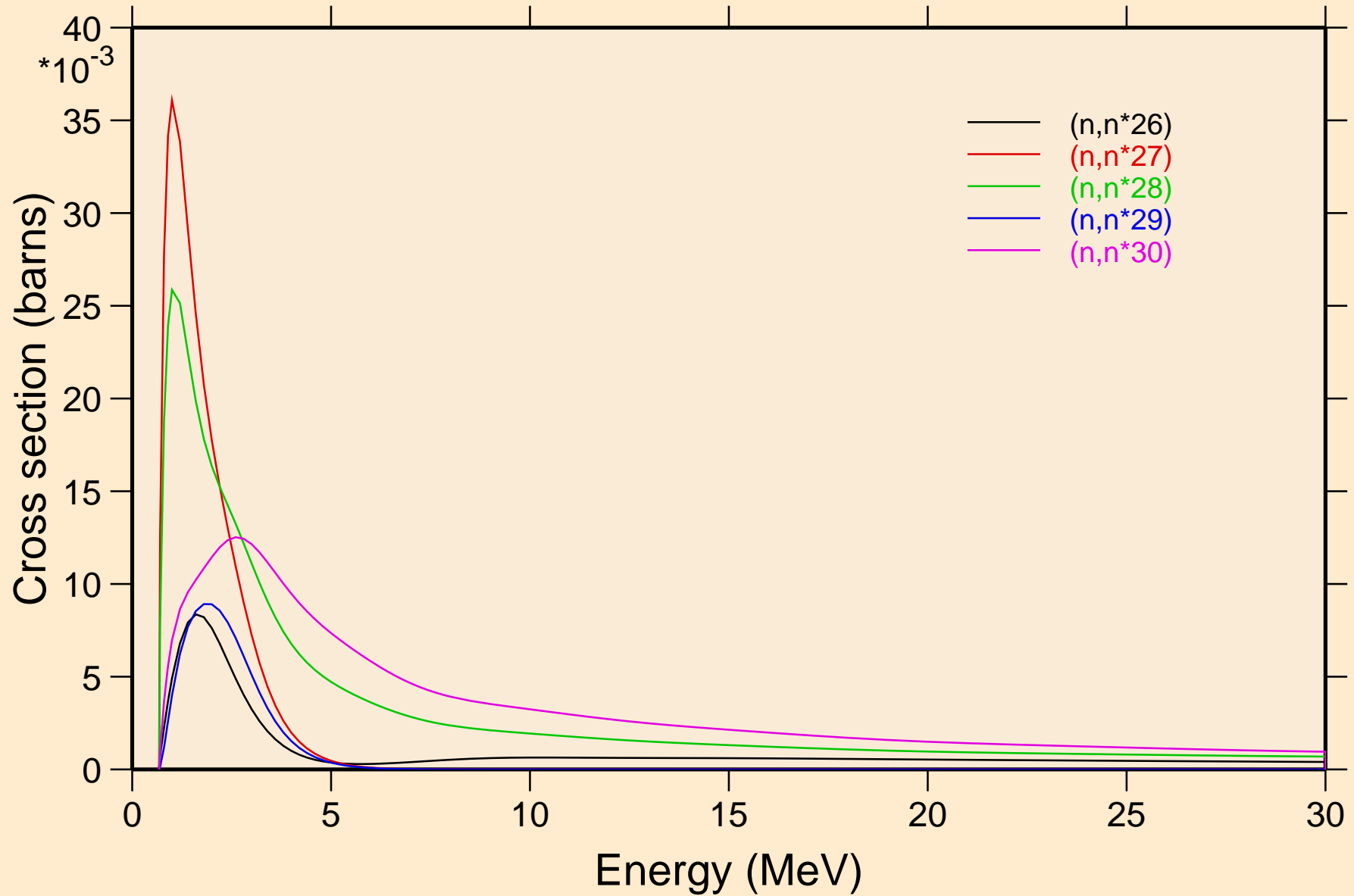
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

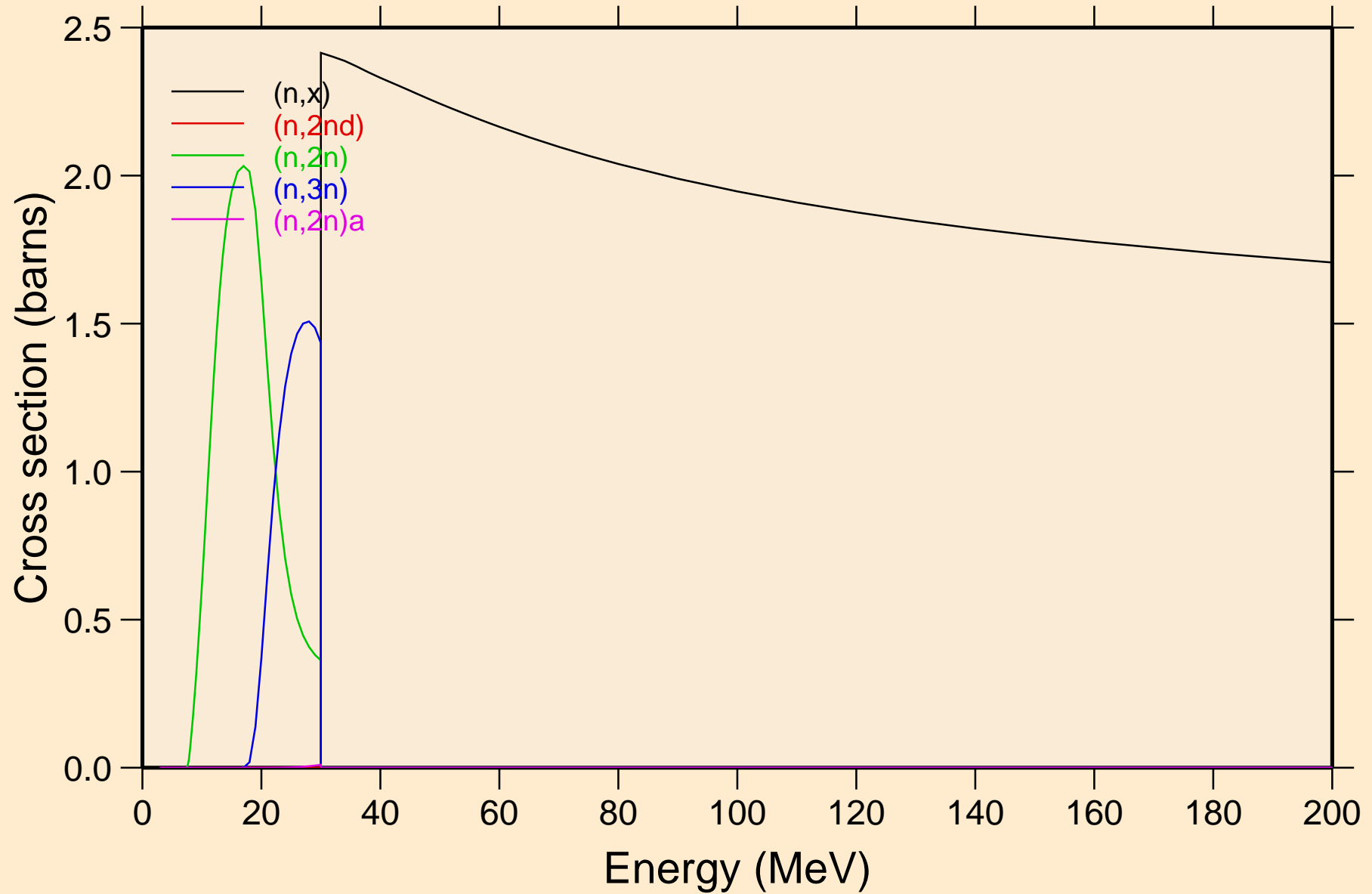


BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

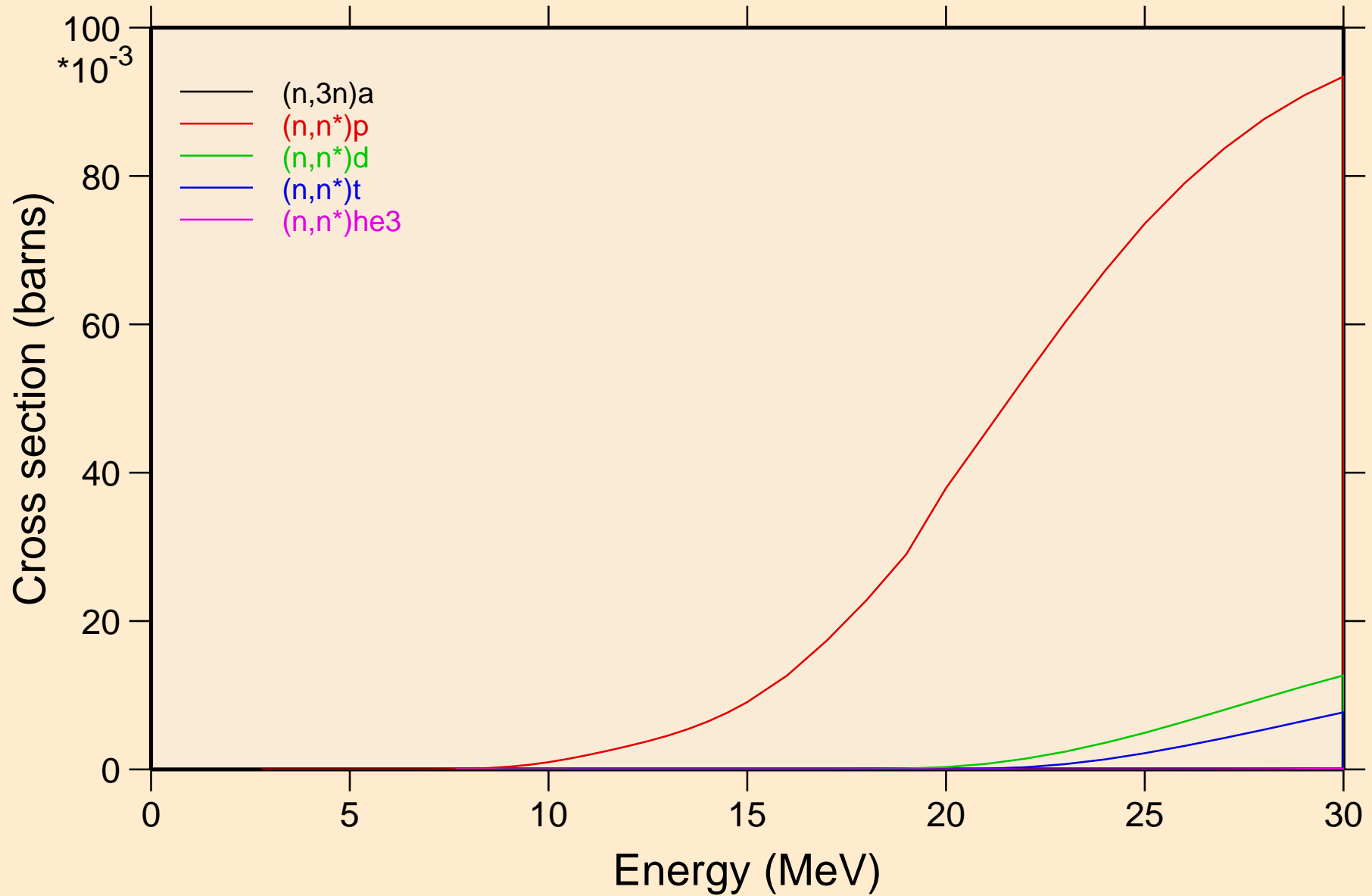




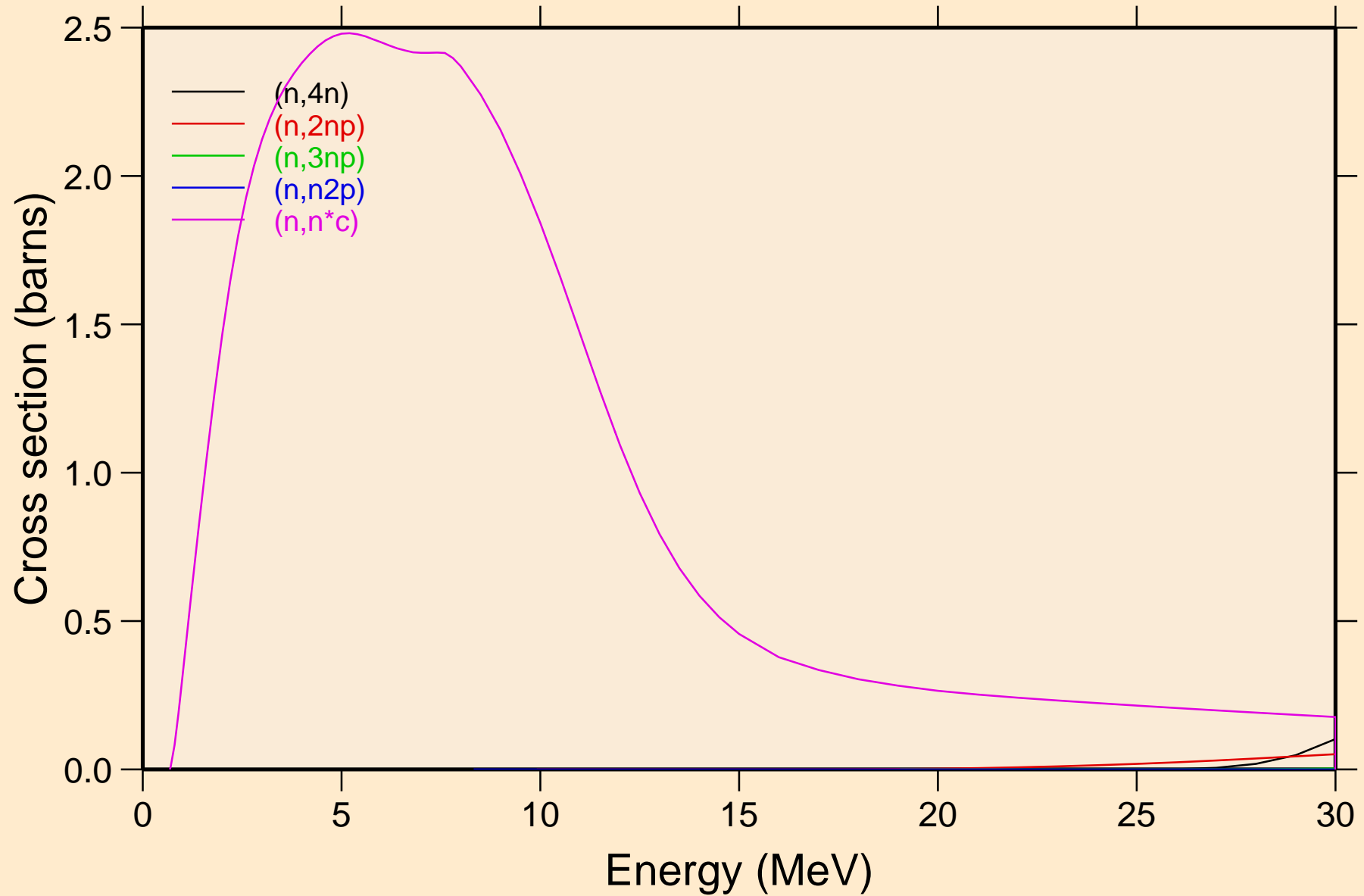
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



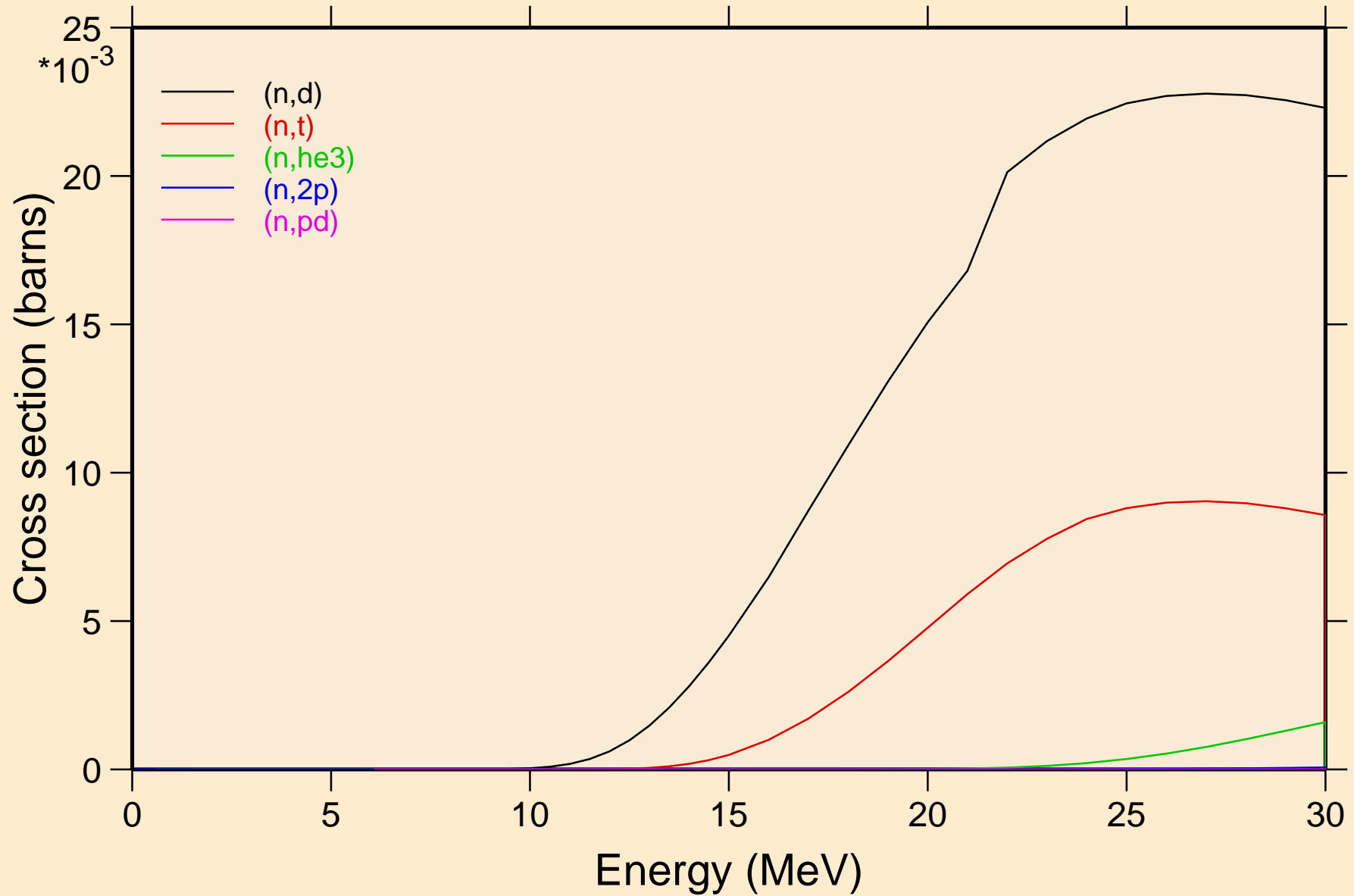
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

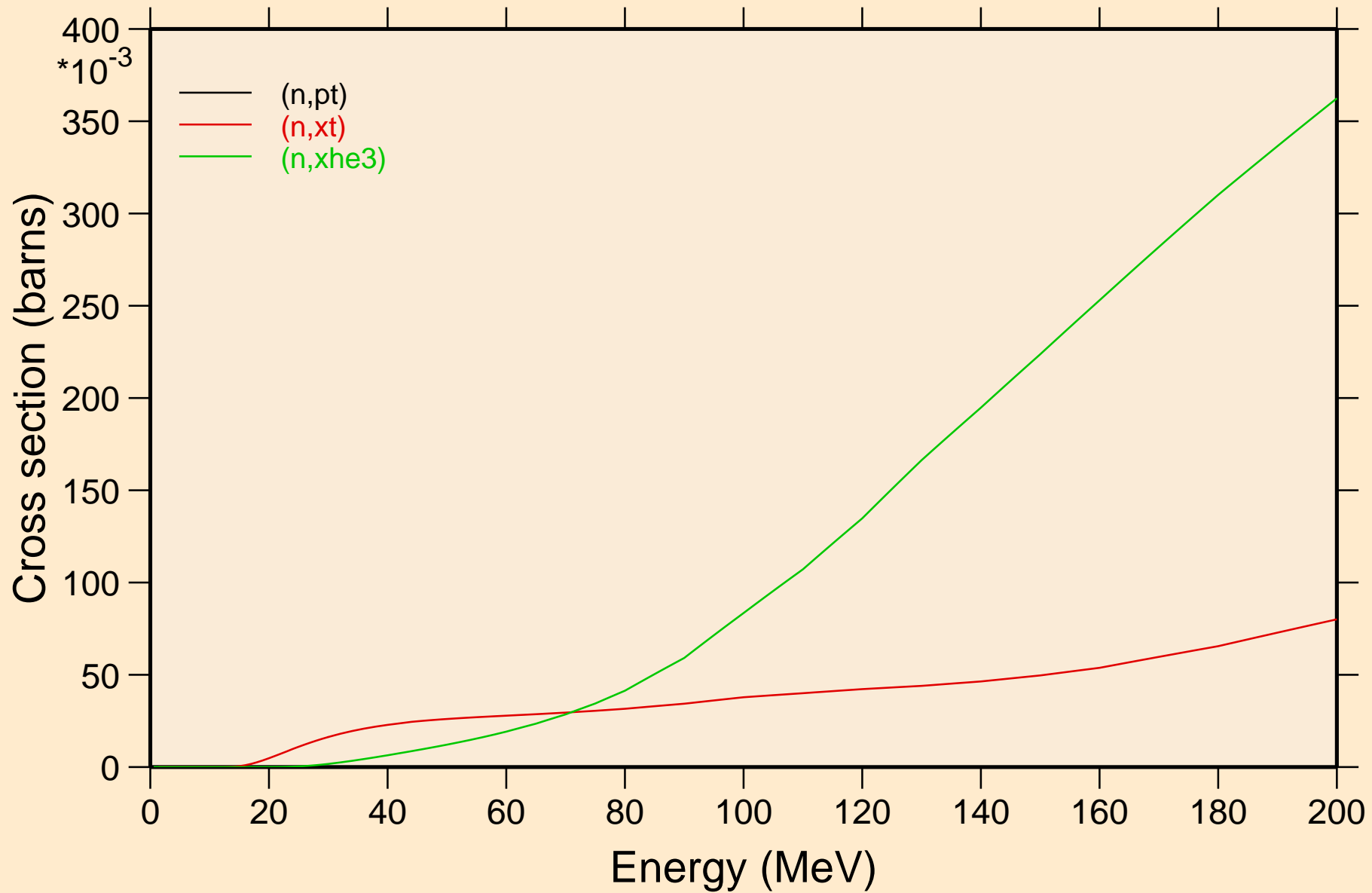


BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

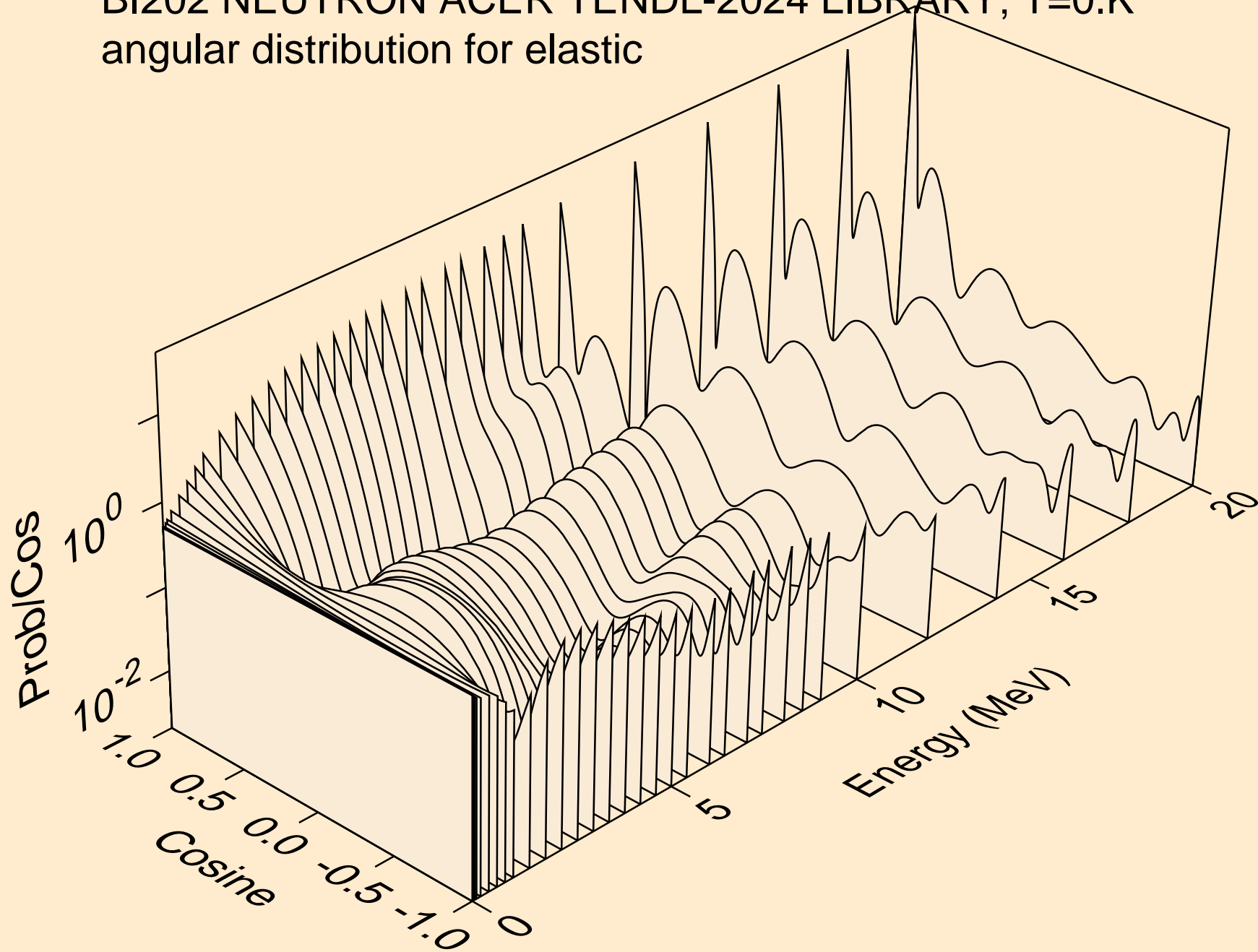


# BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

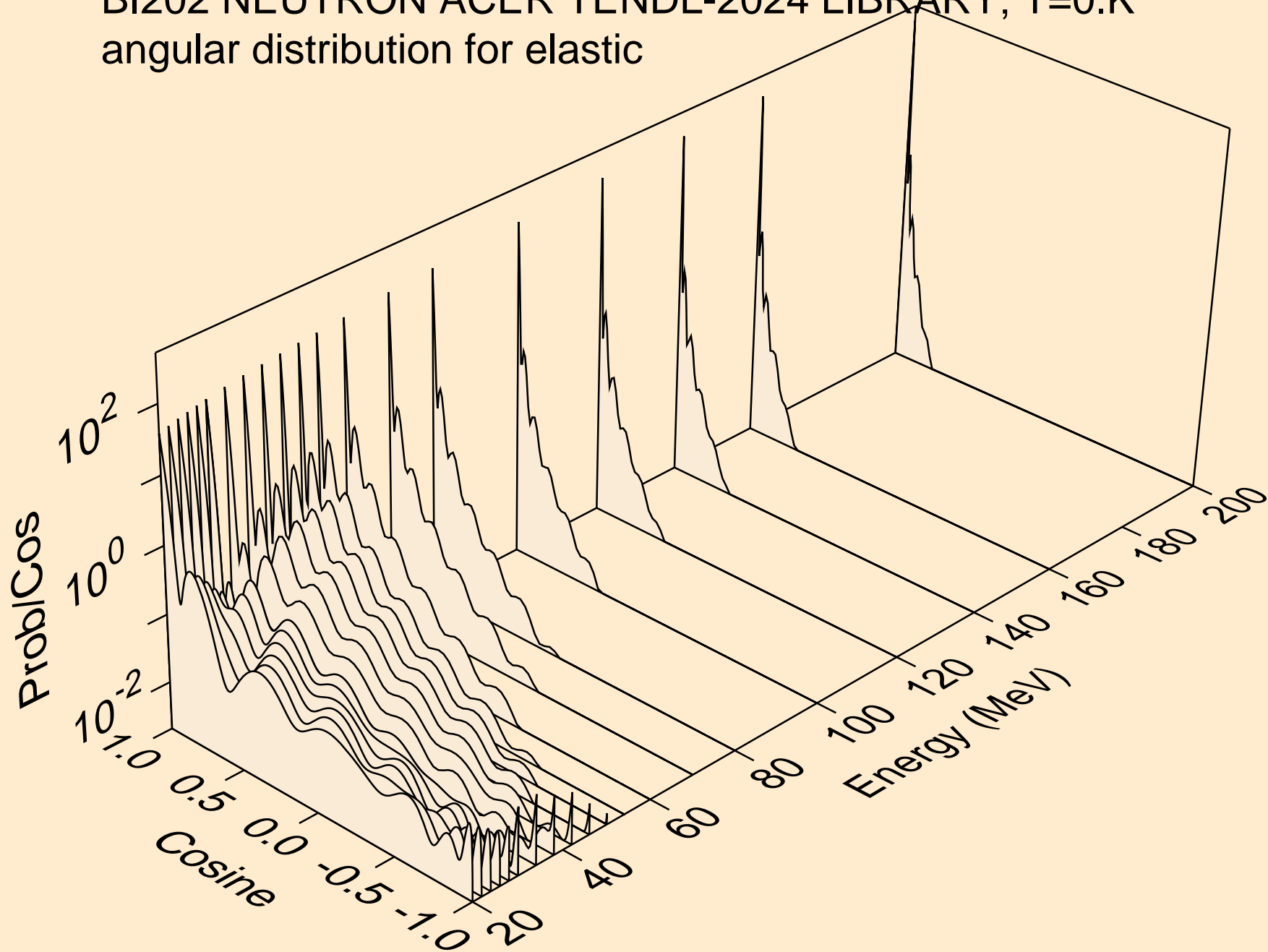
## Threshold reactions



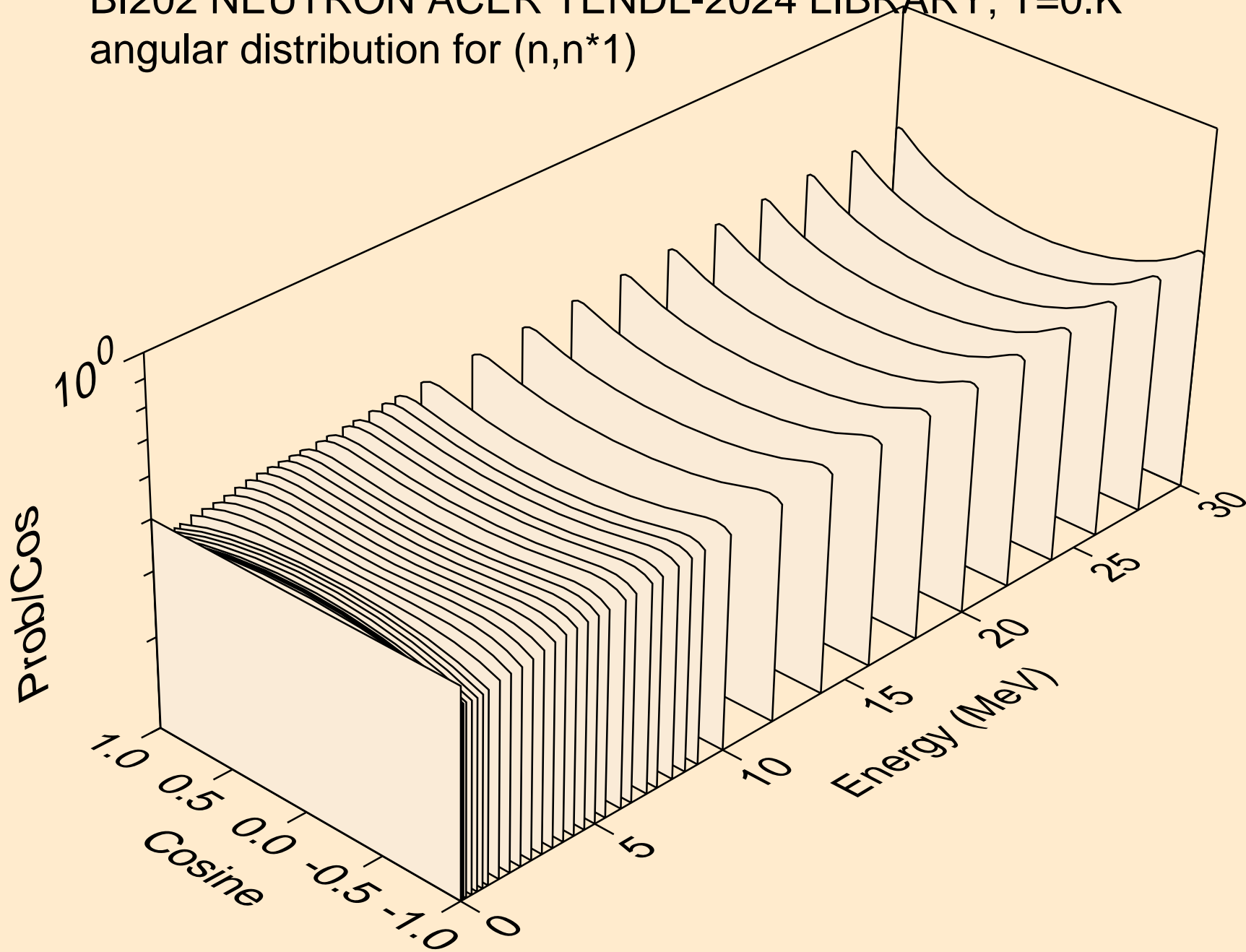
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

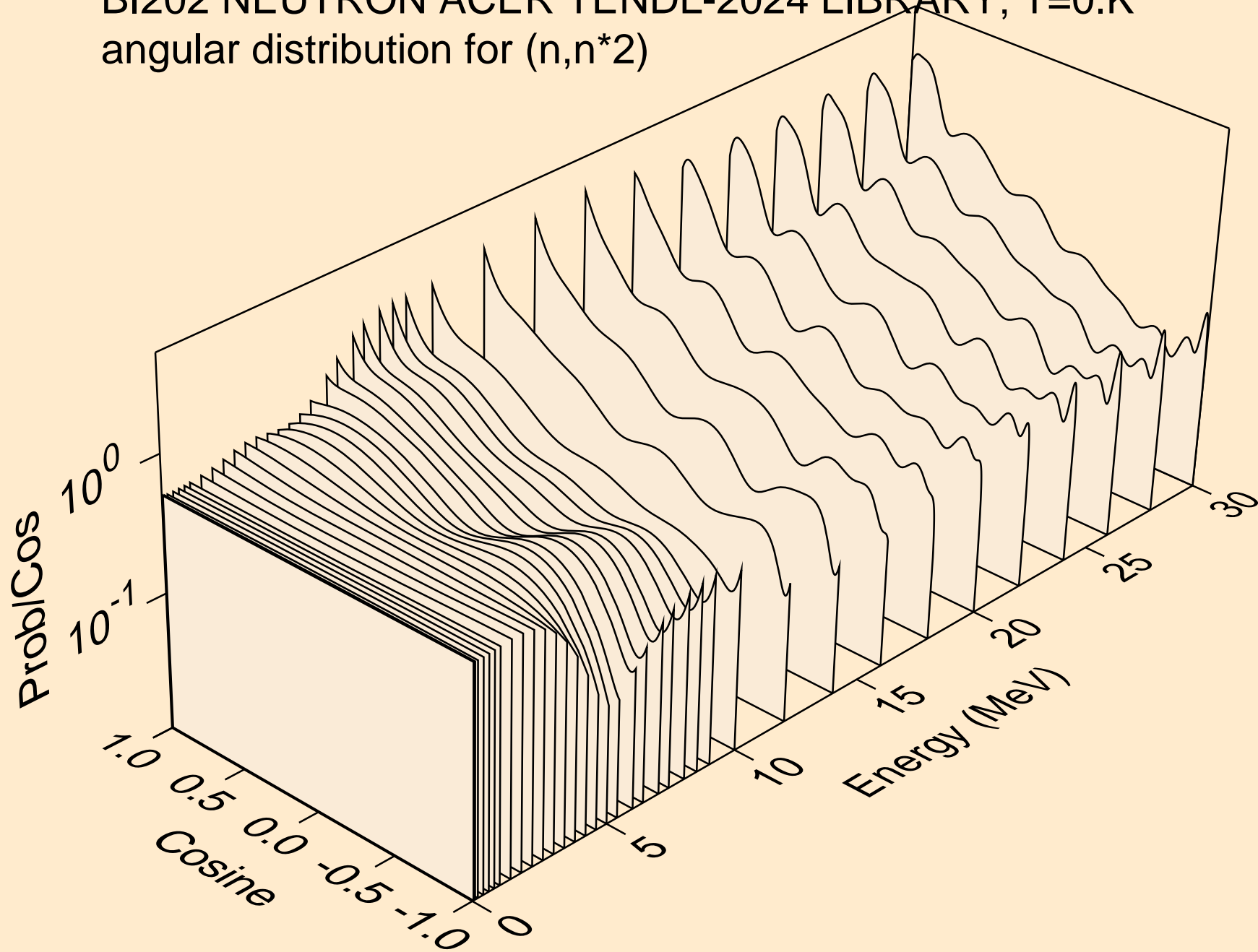


BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

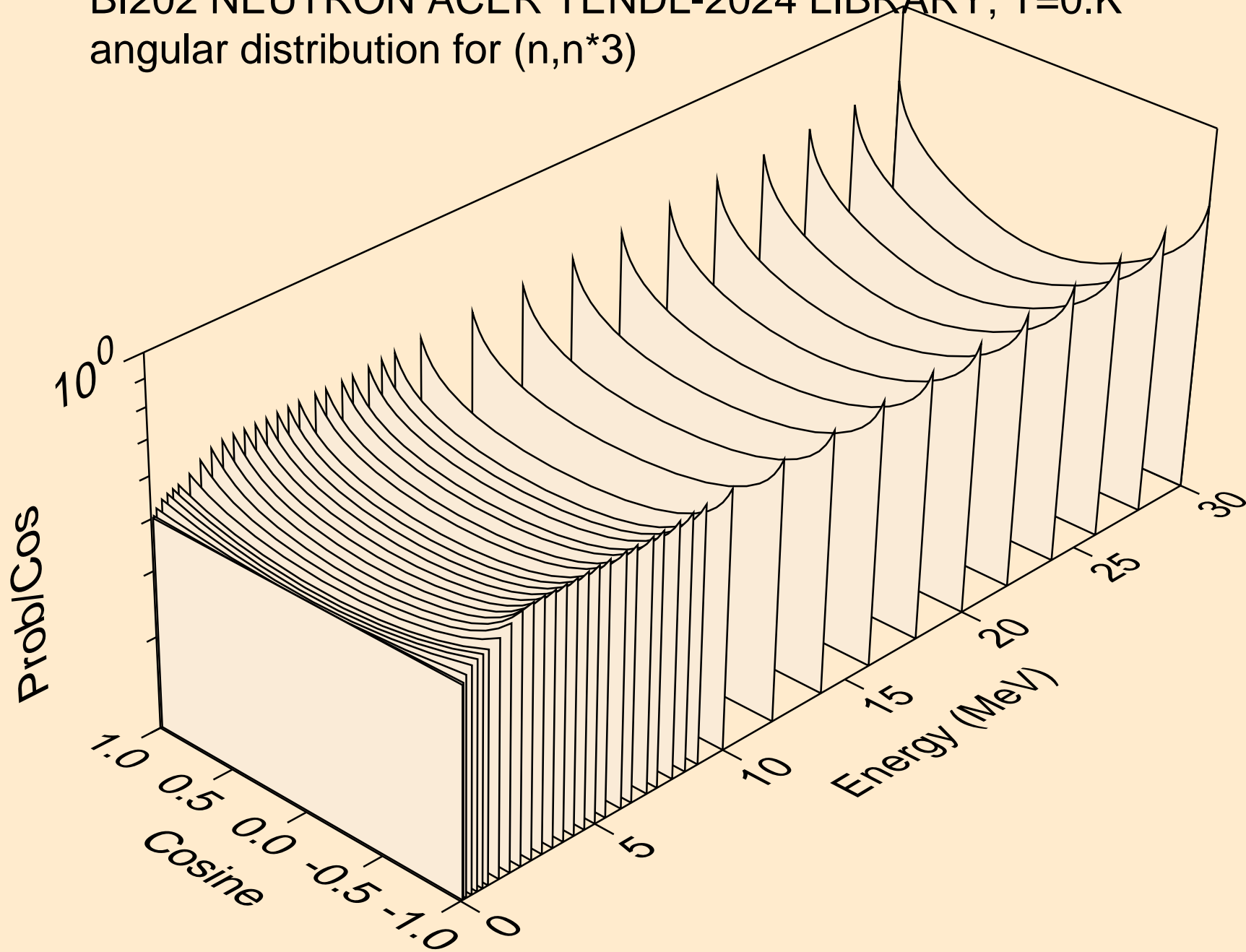




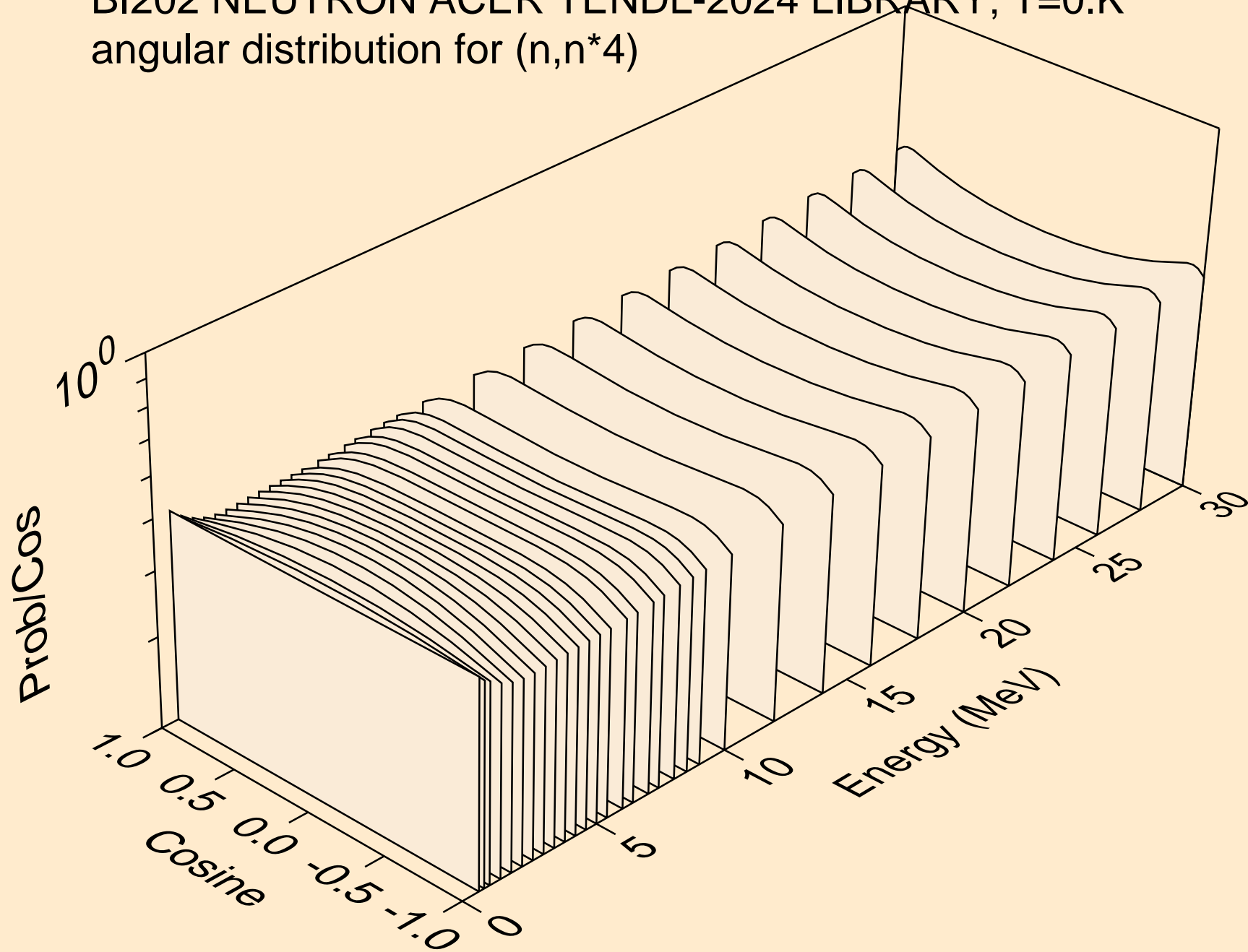
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



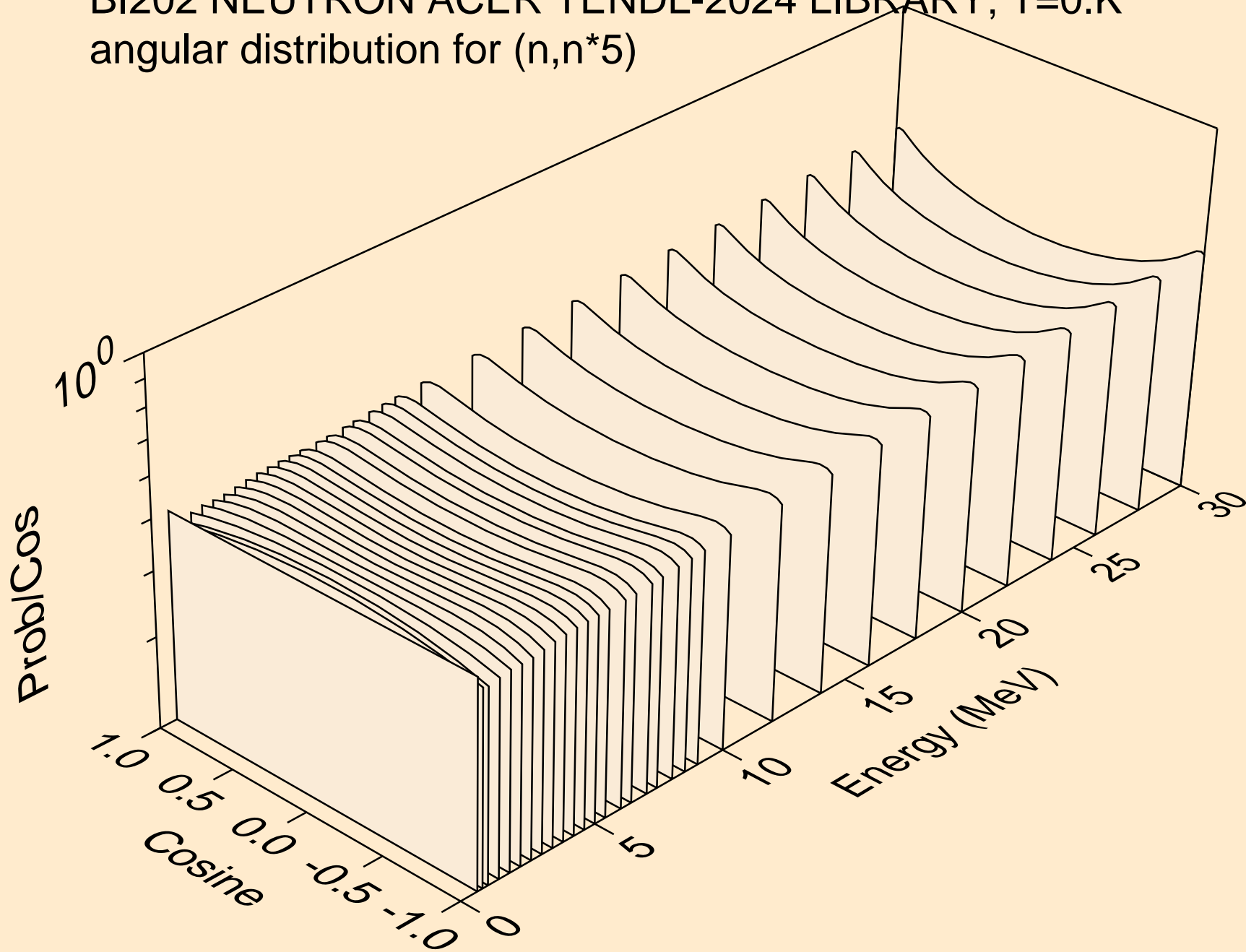
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



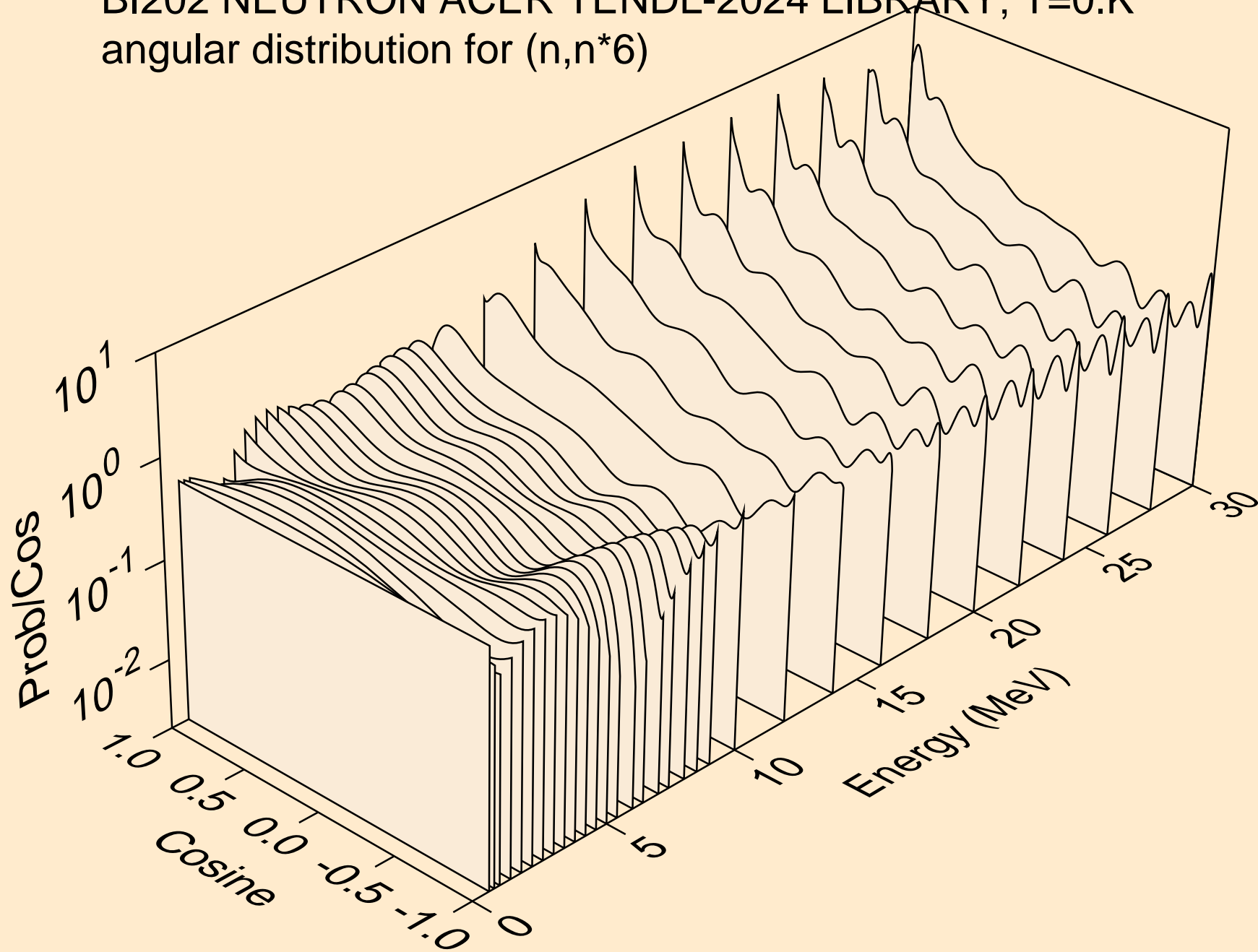
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



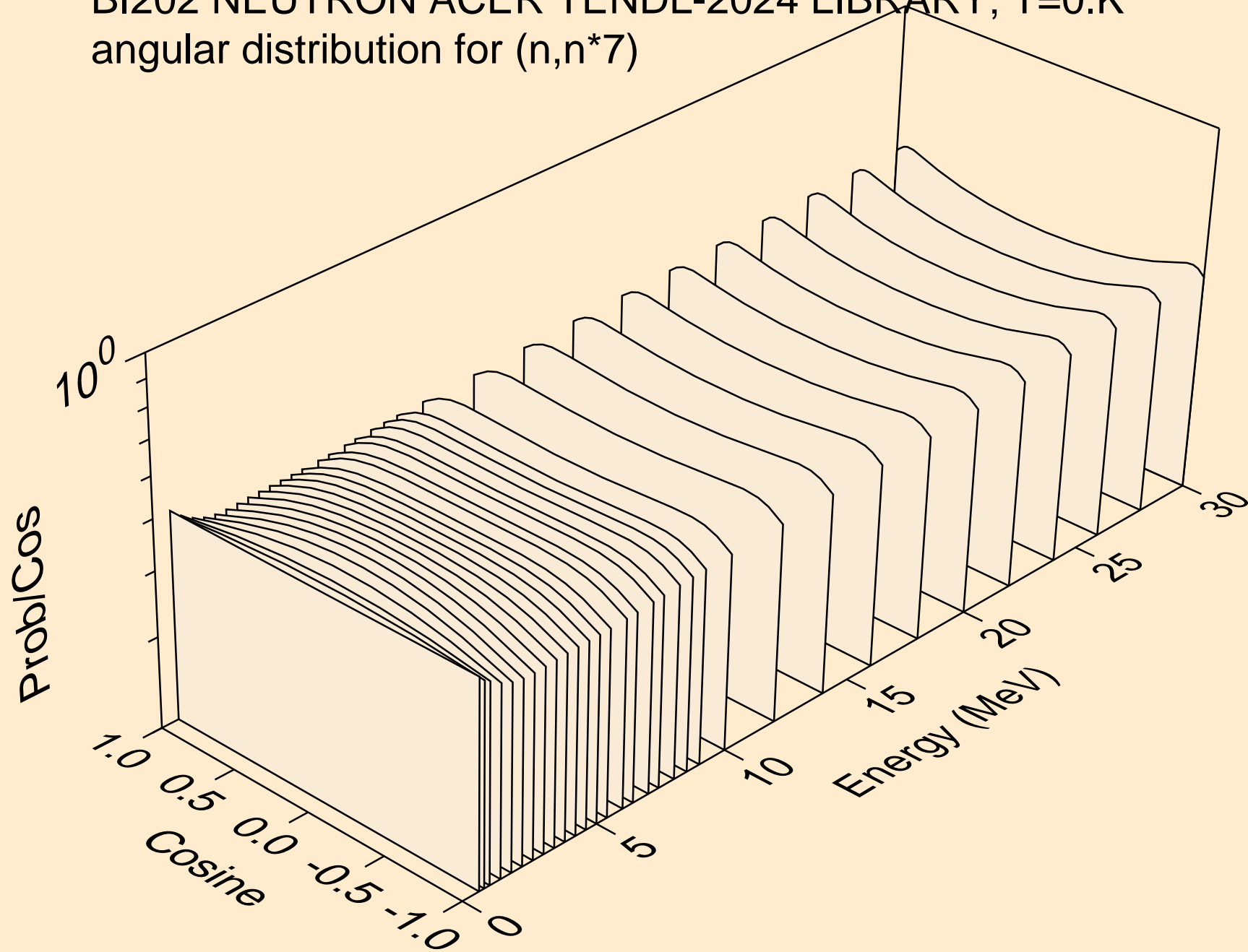
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



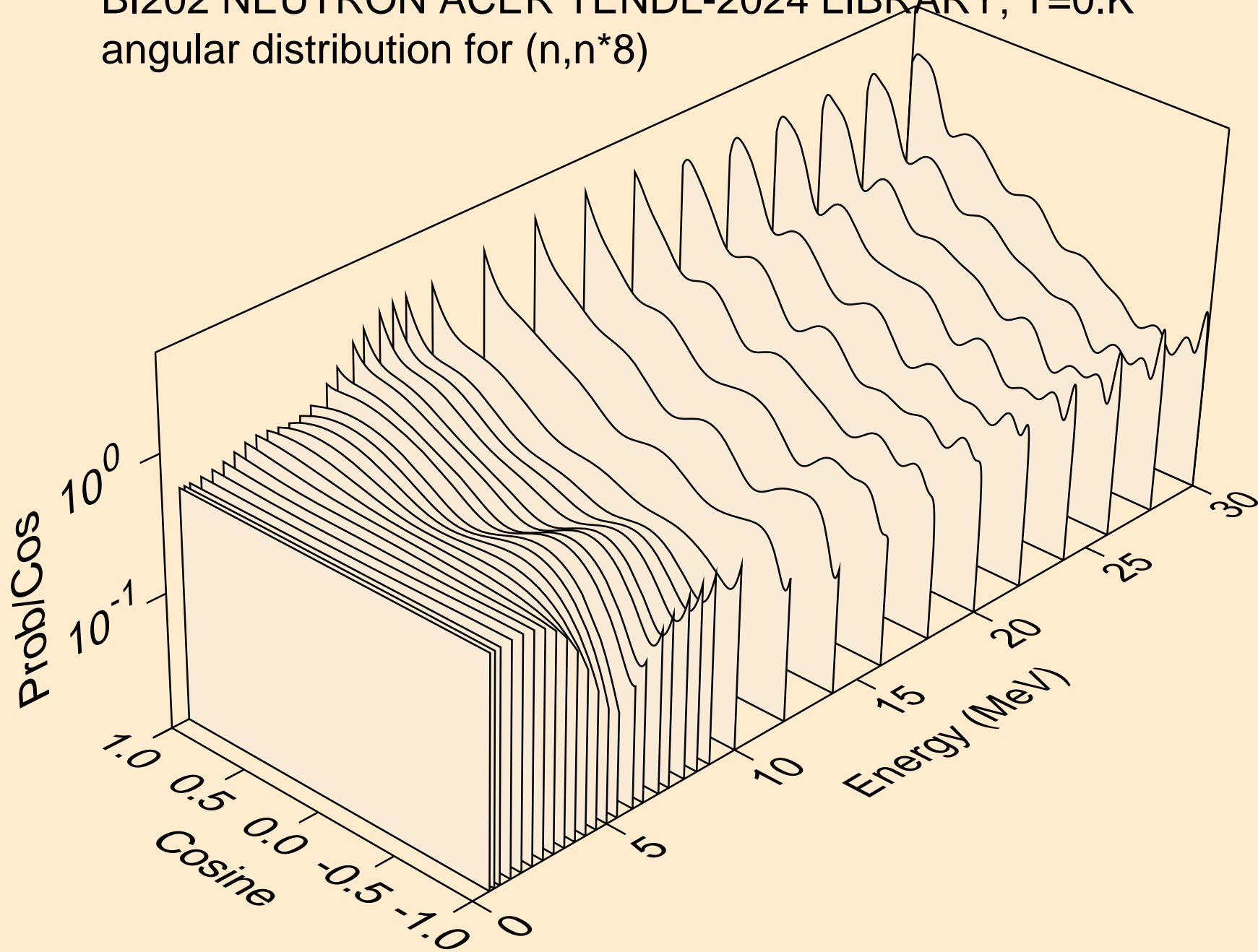
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



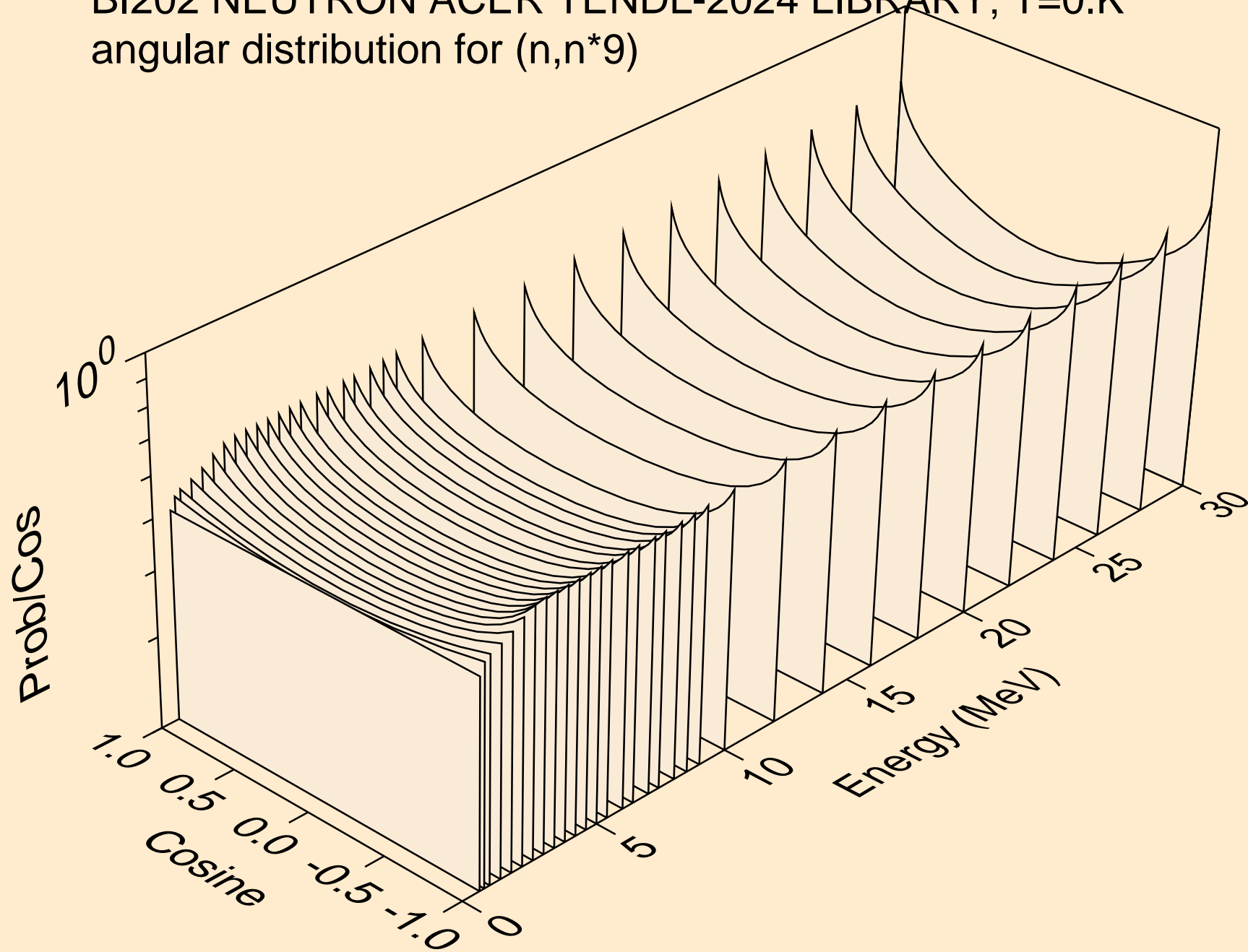
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)

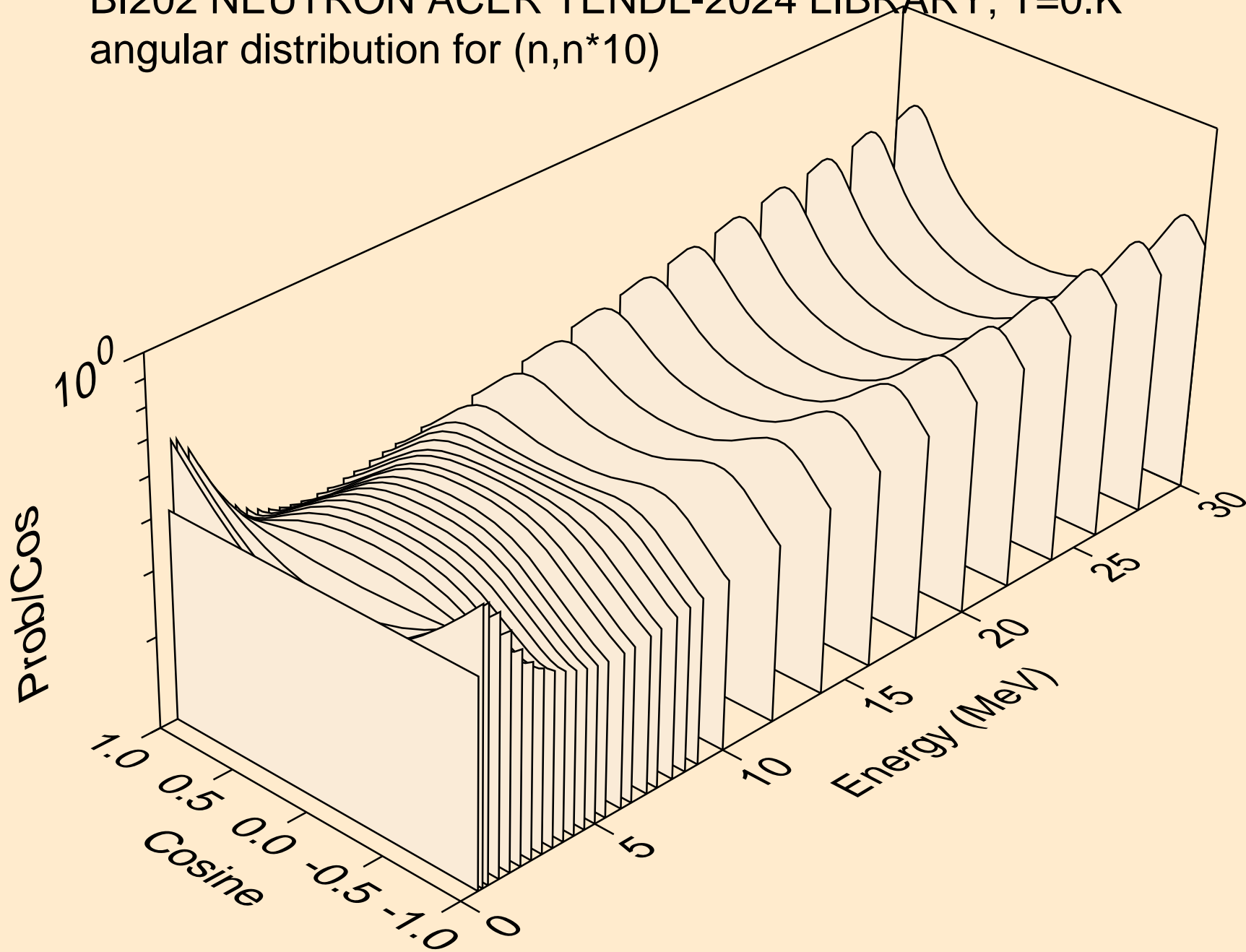


BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

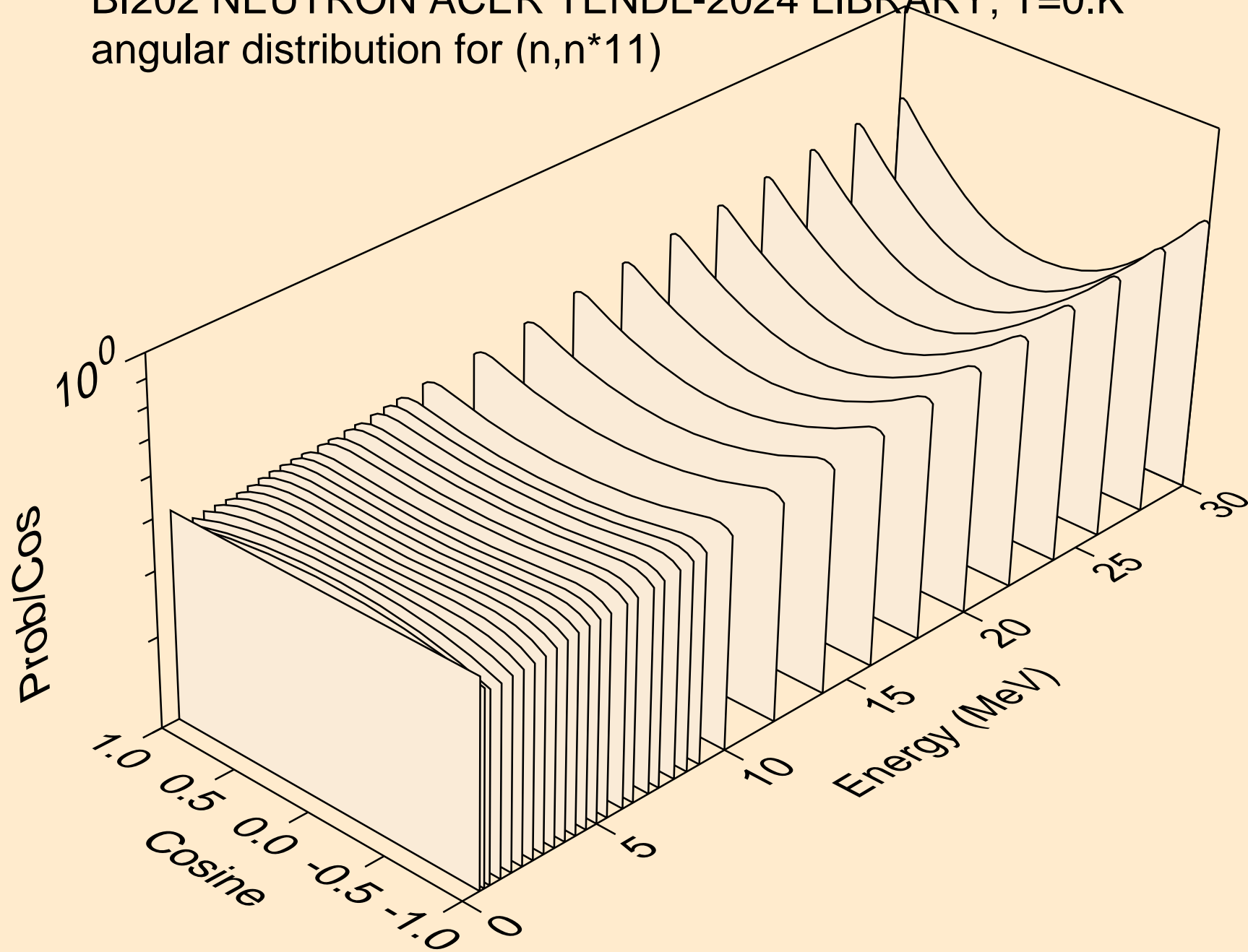




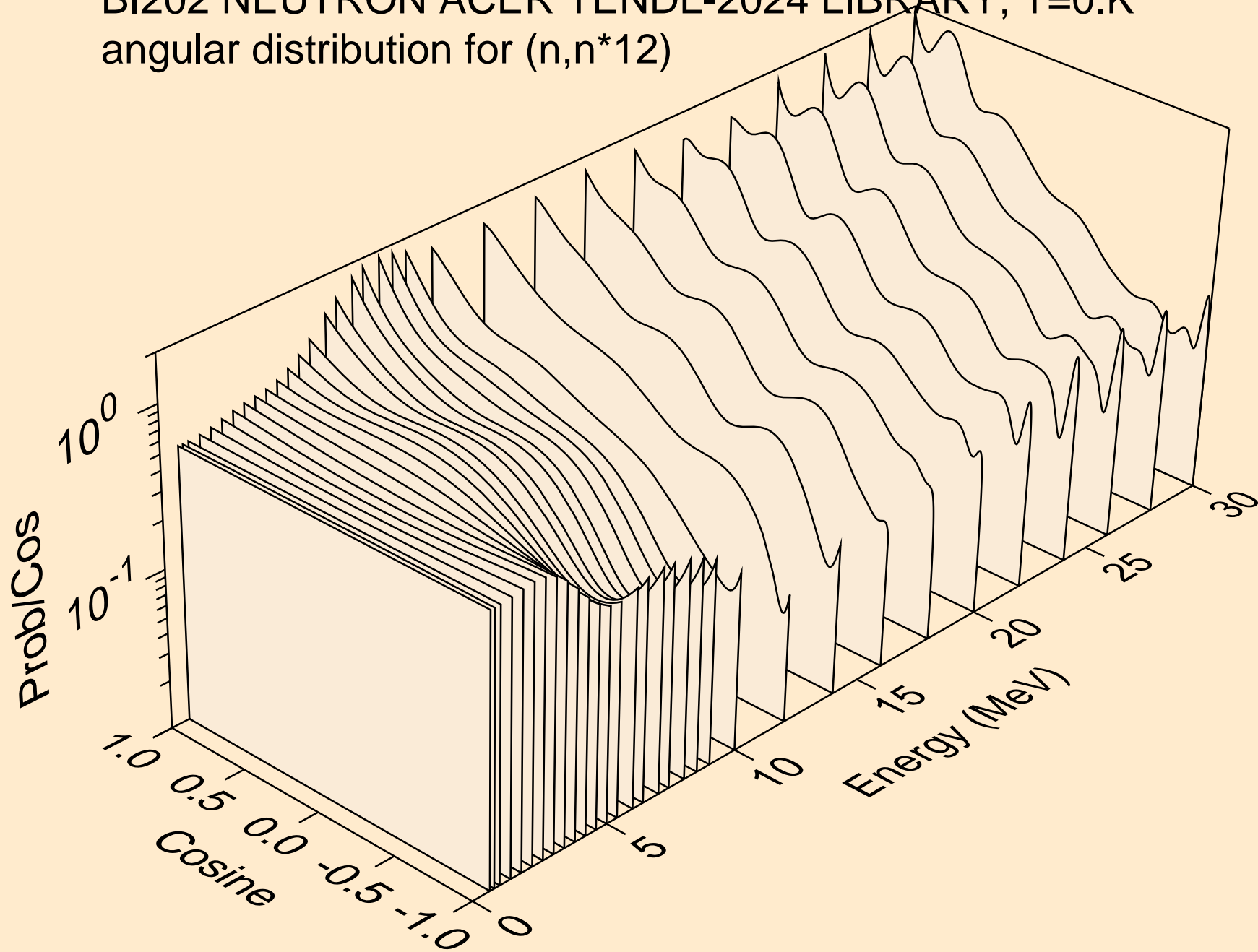
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



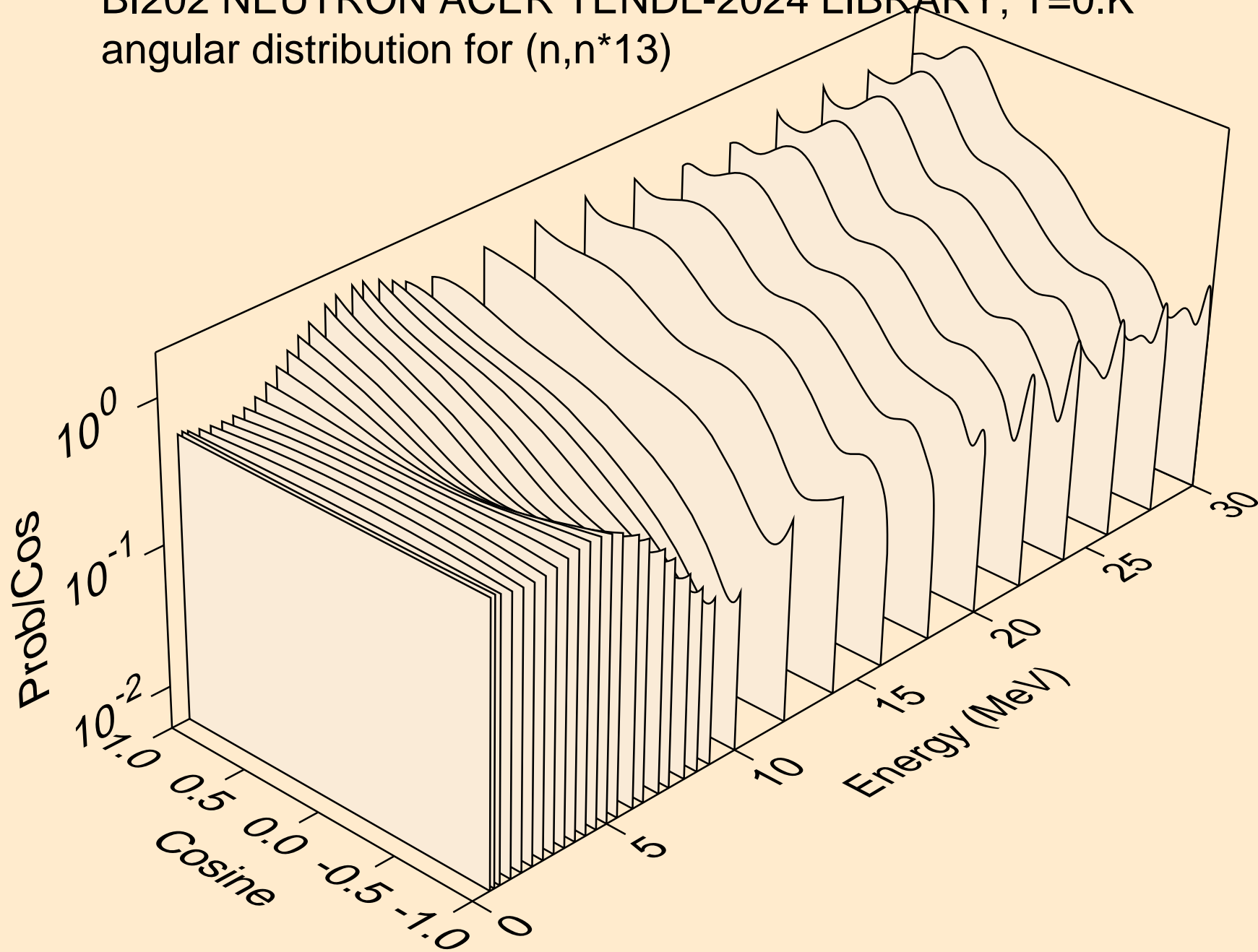
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



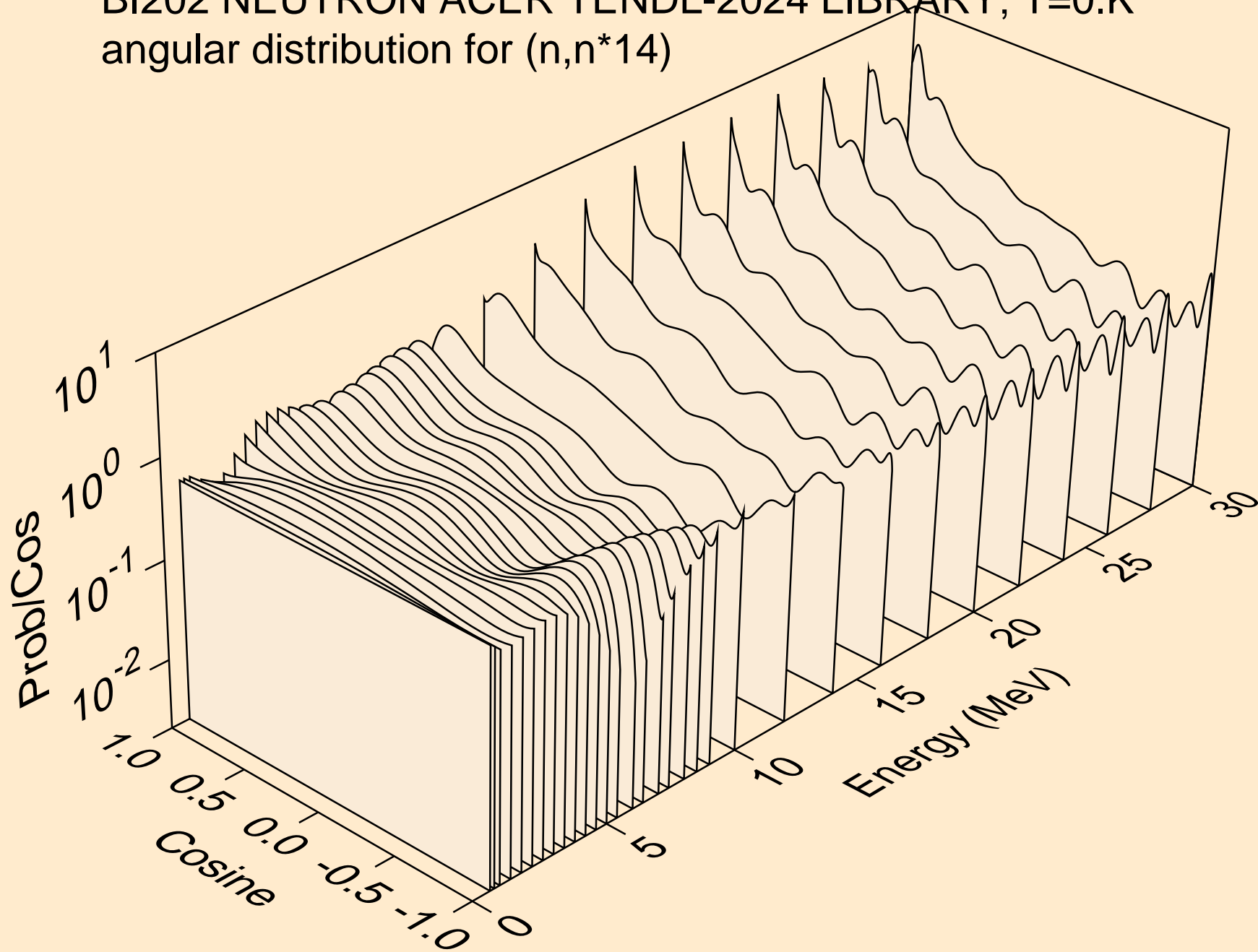
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



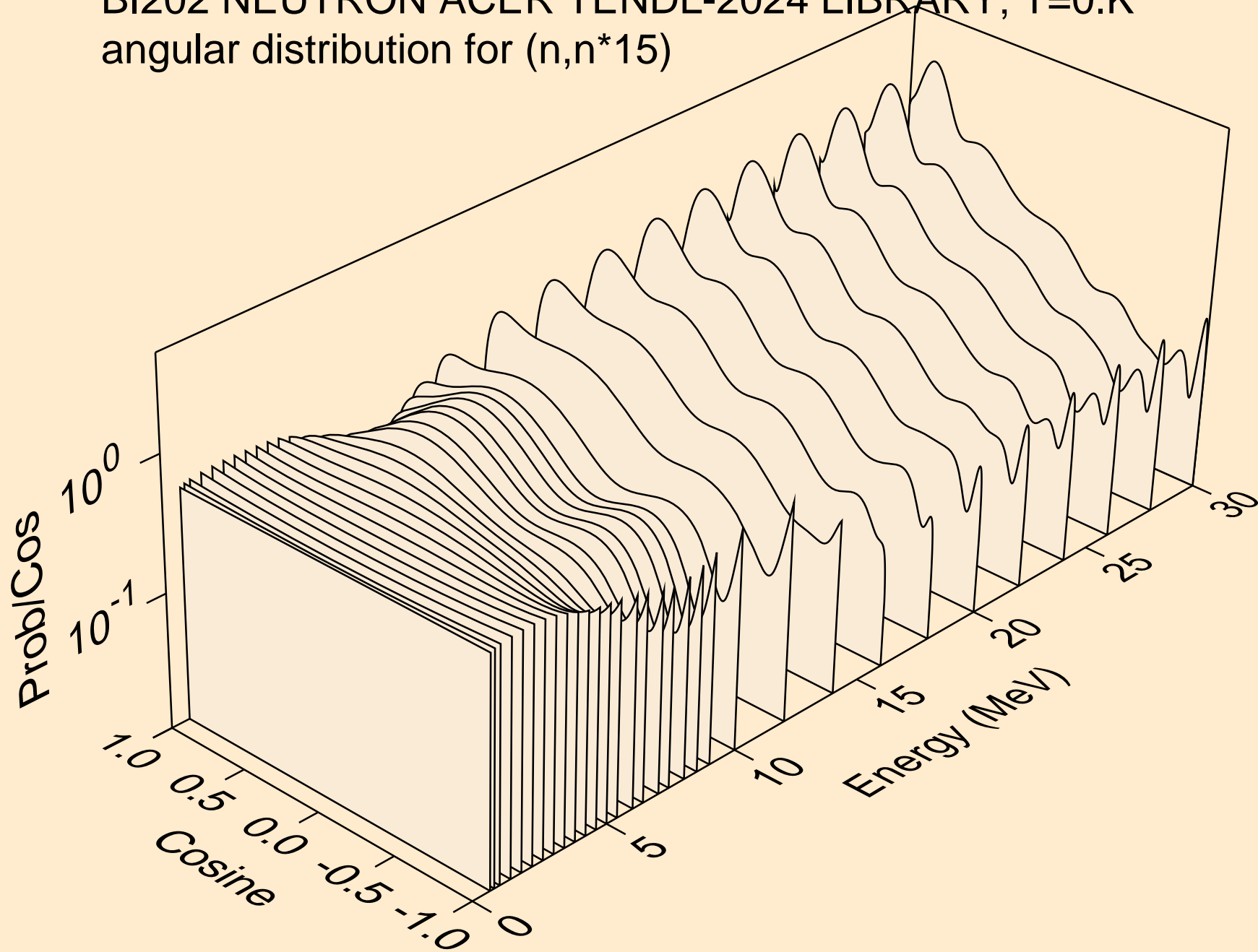
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



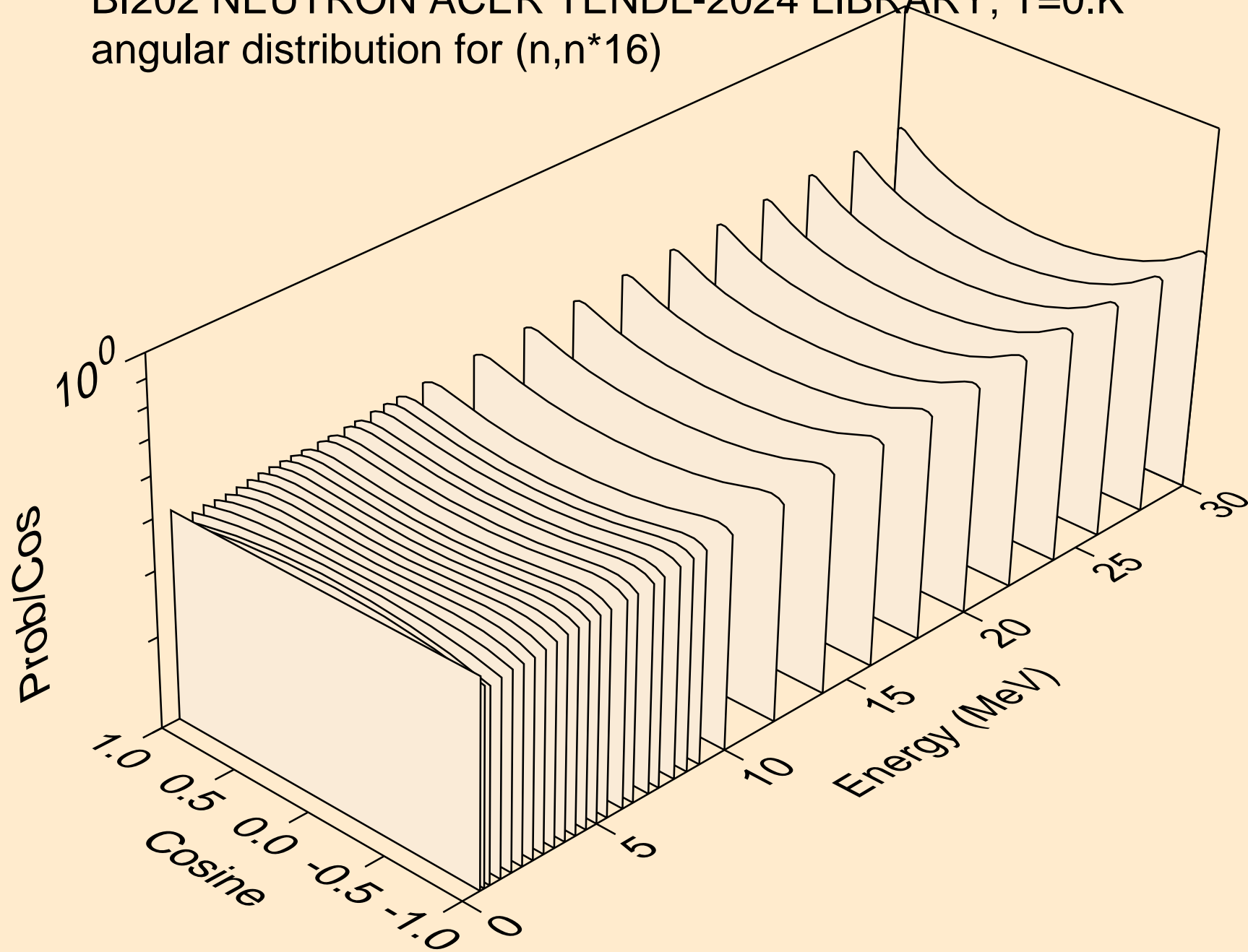
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



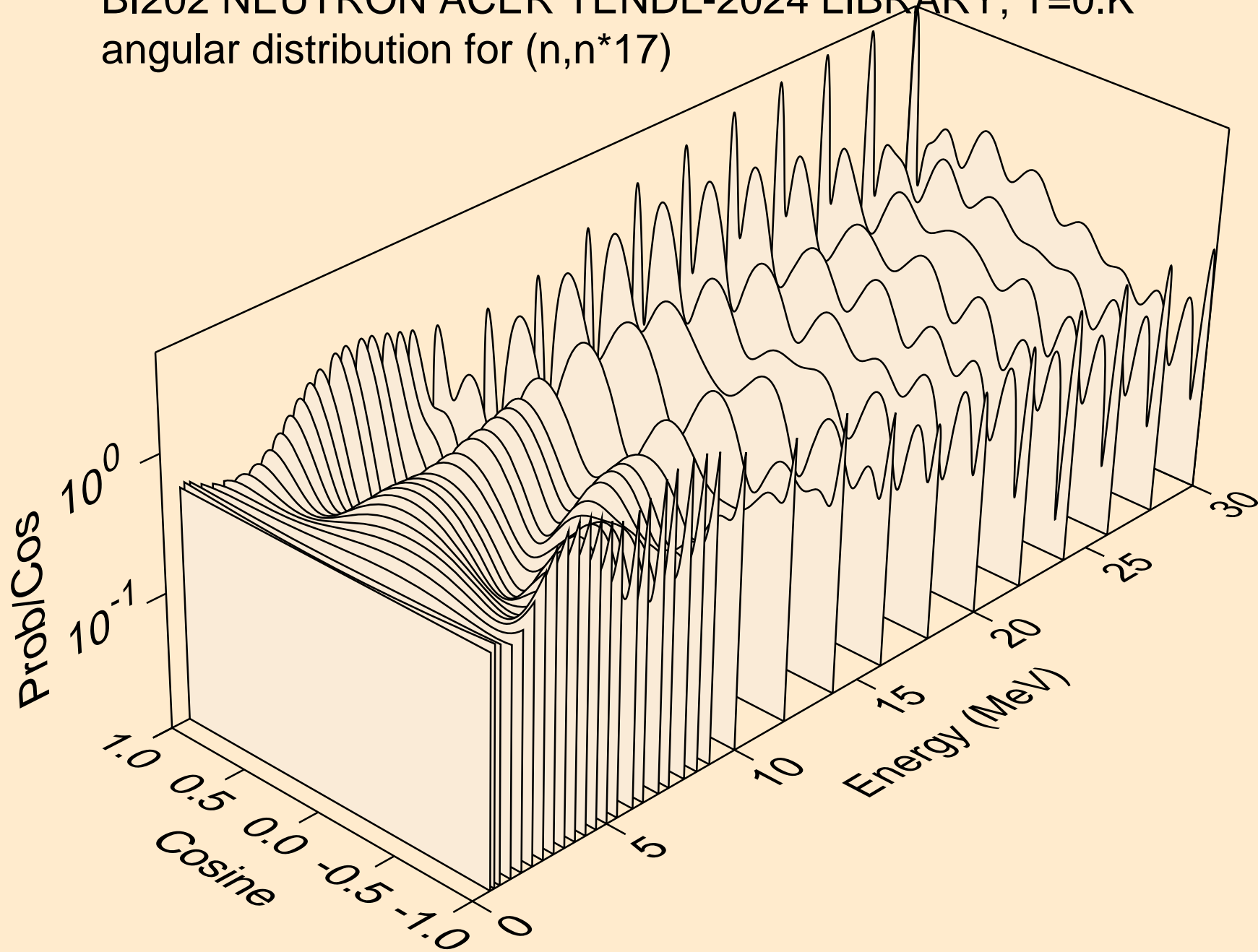
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)

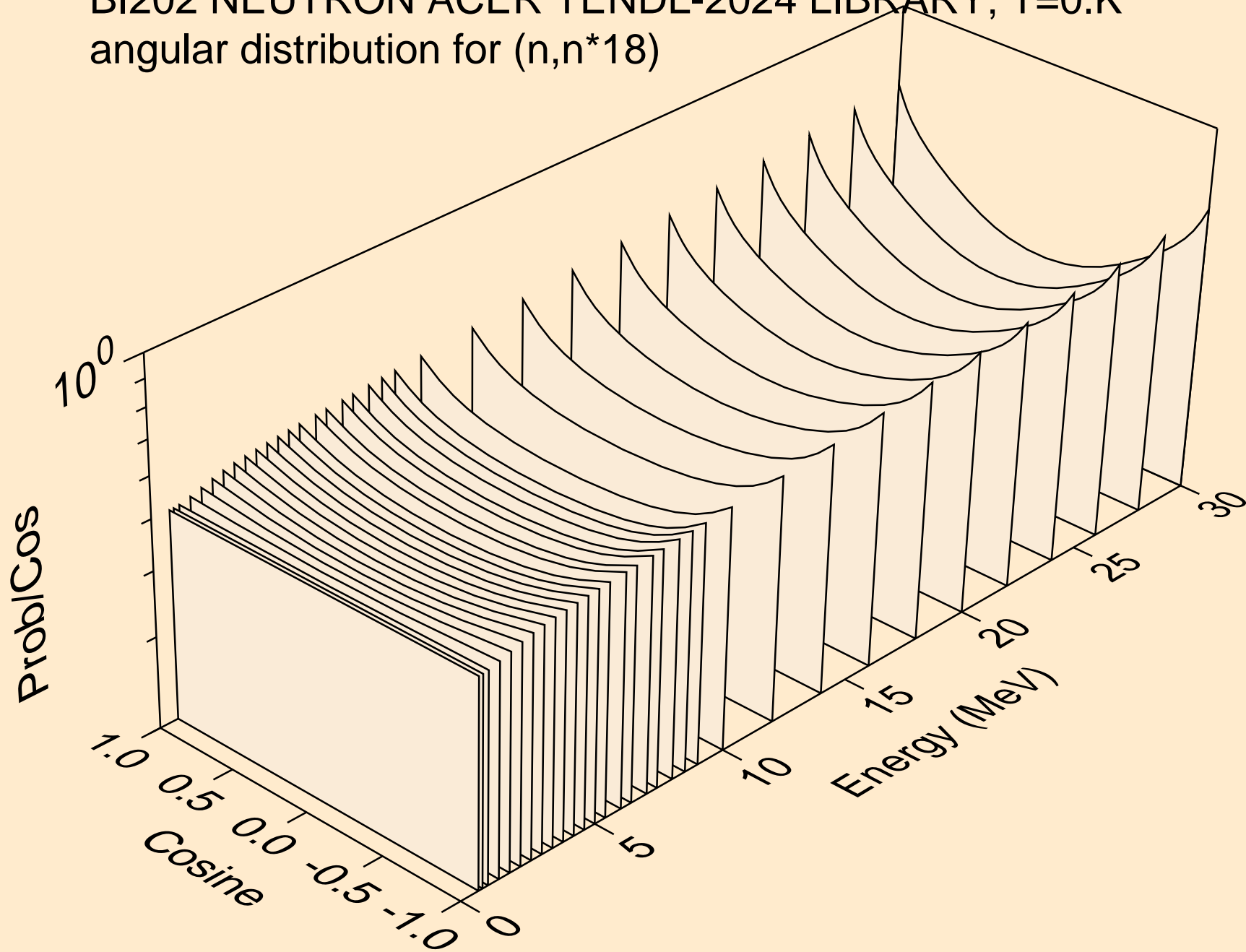


BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)

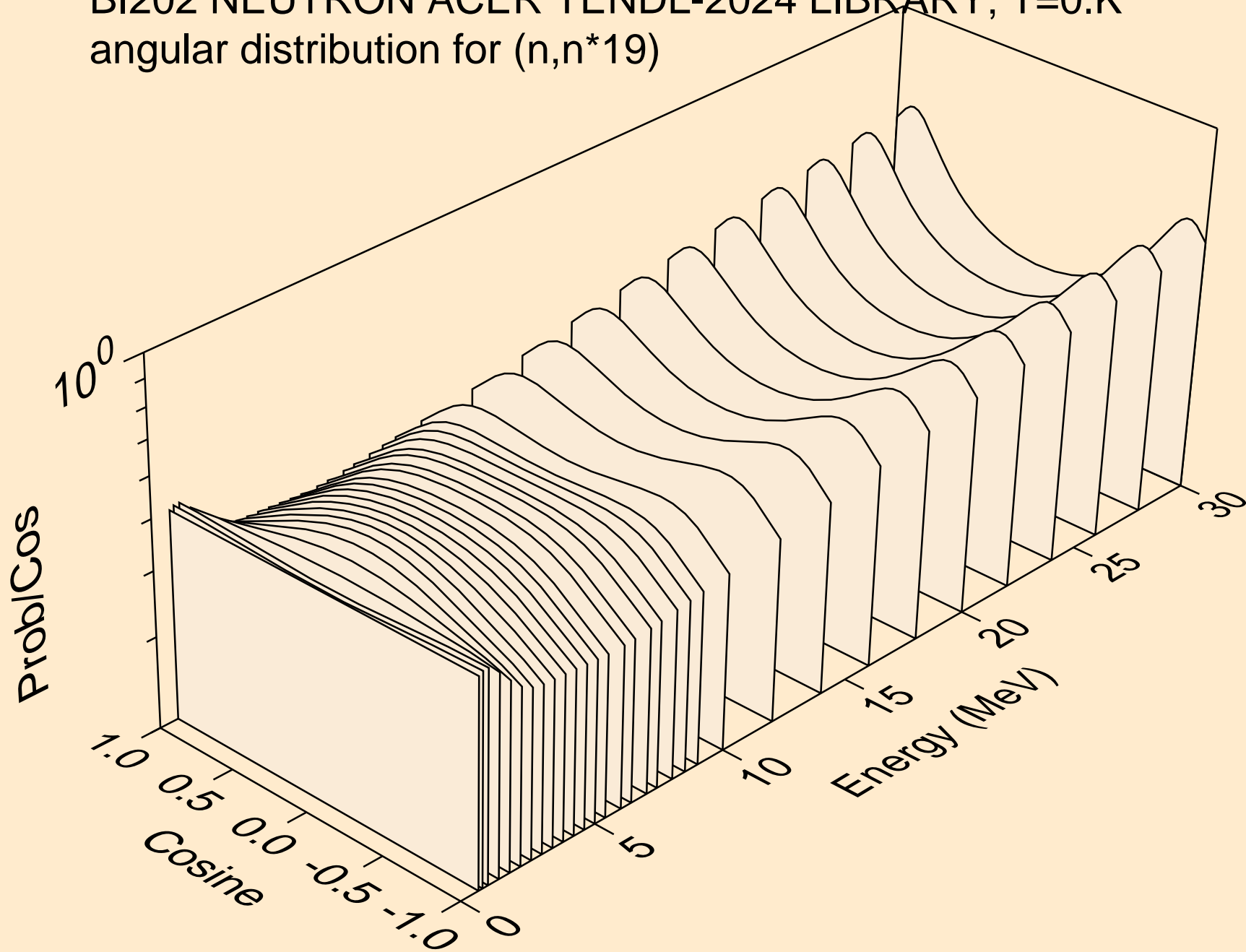




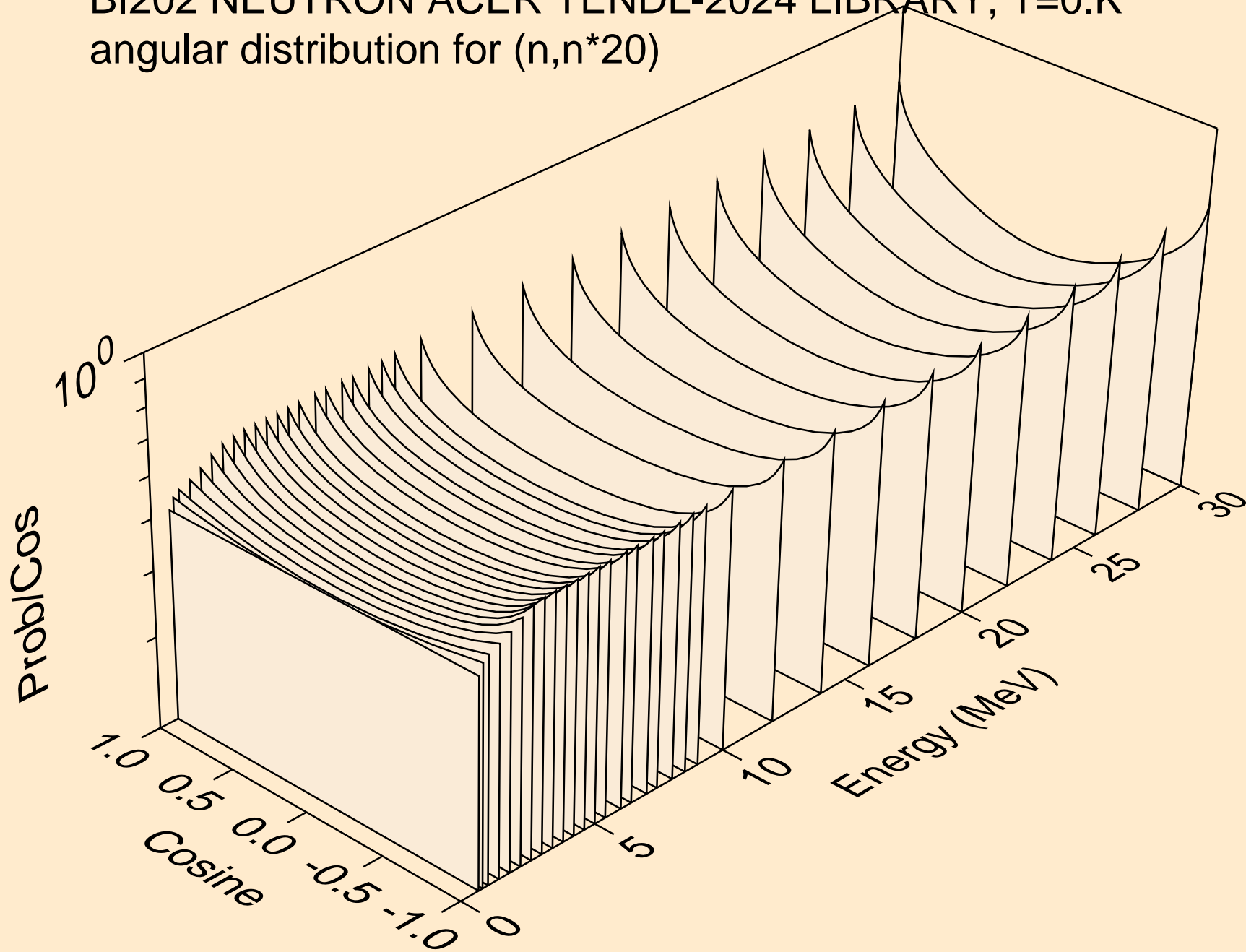
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



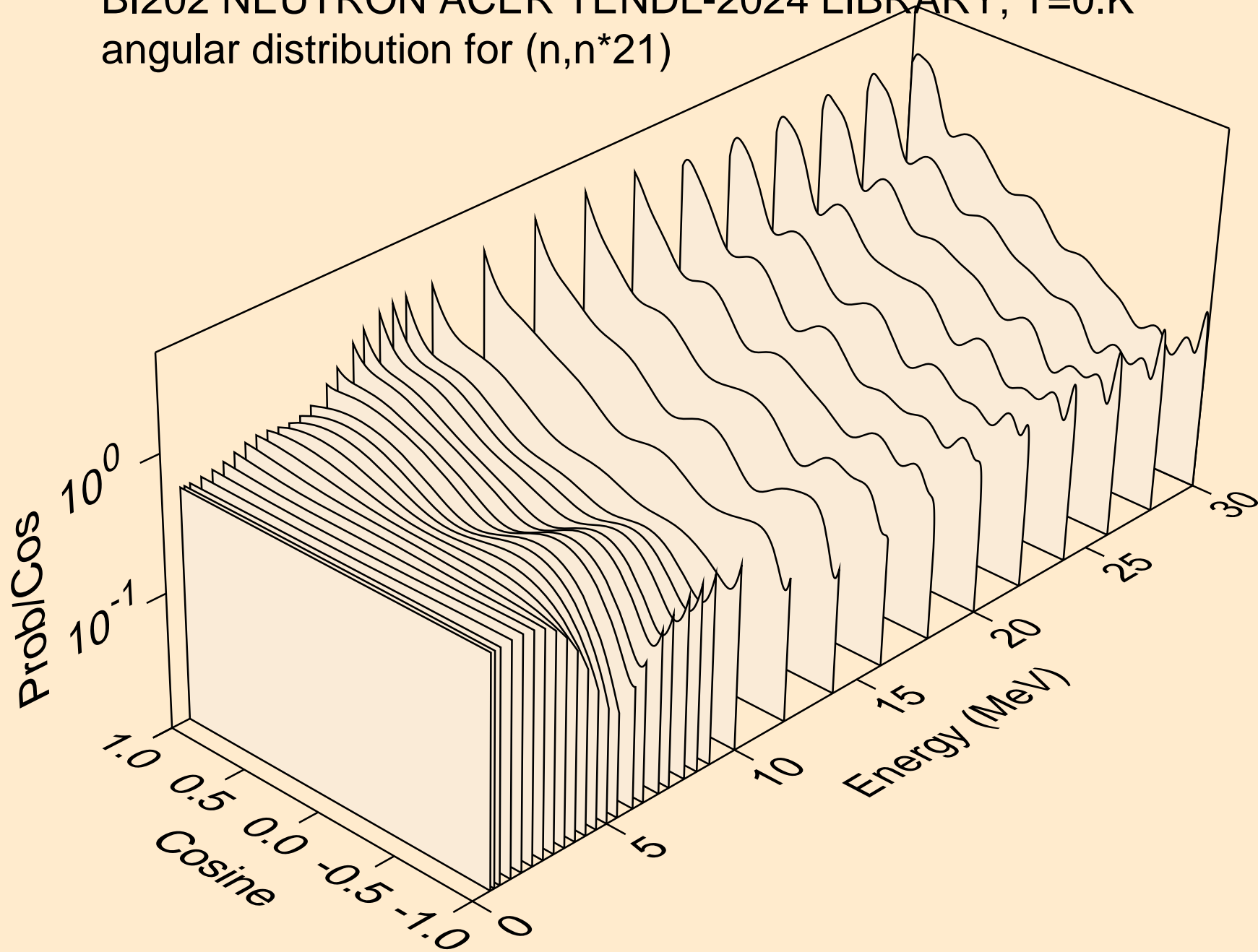
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



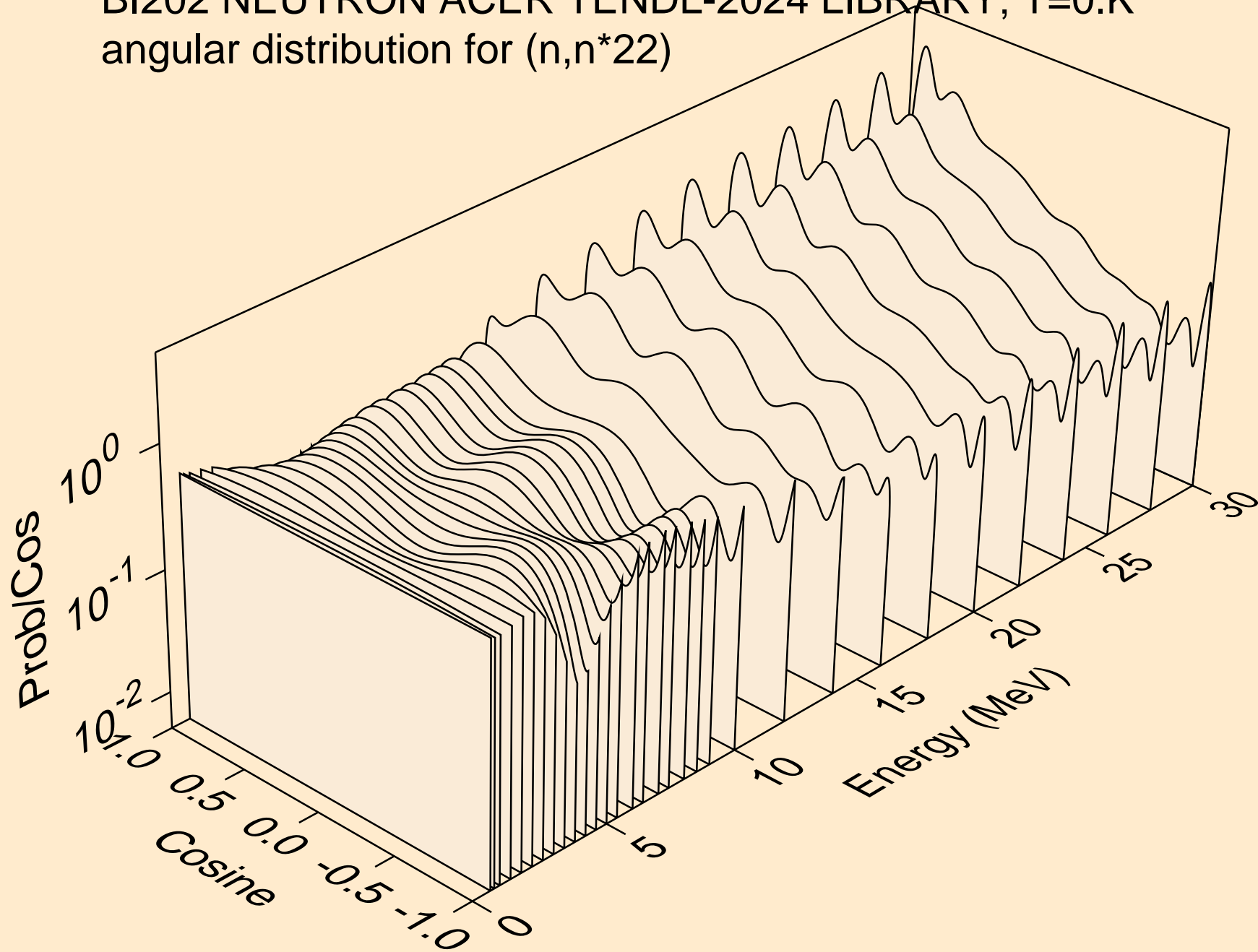
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



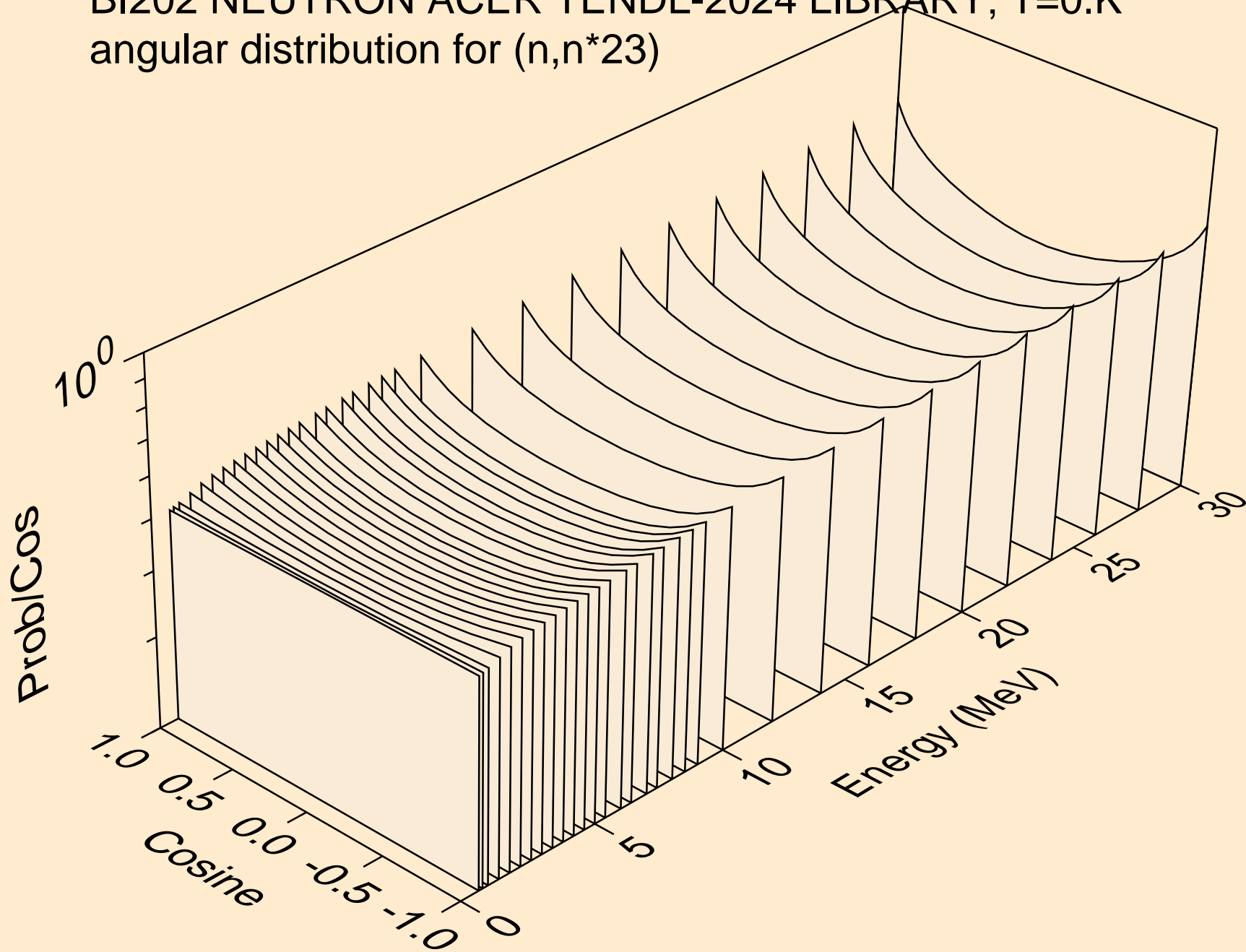
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



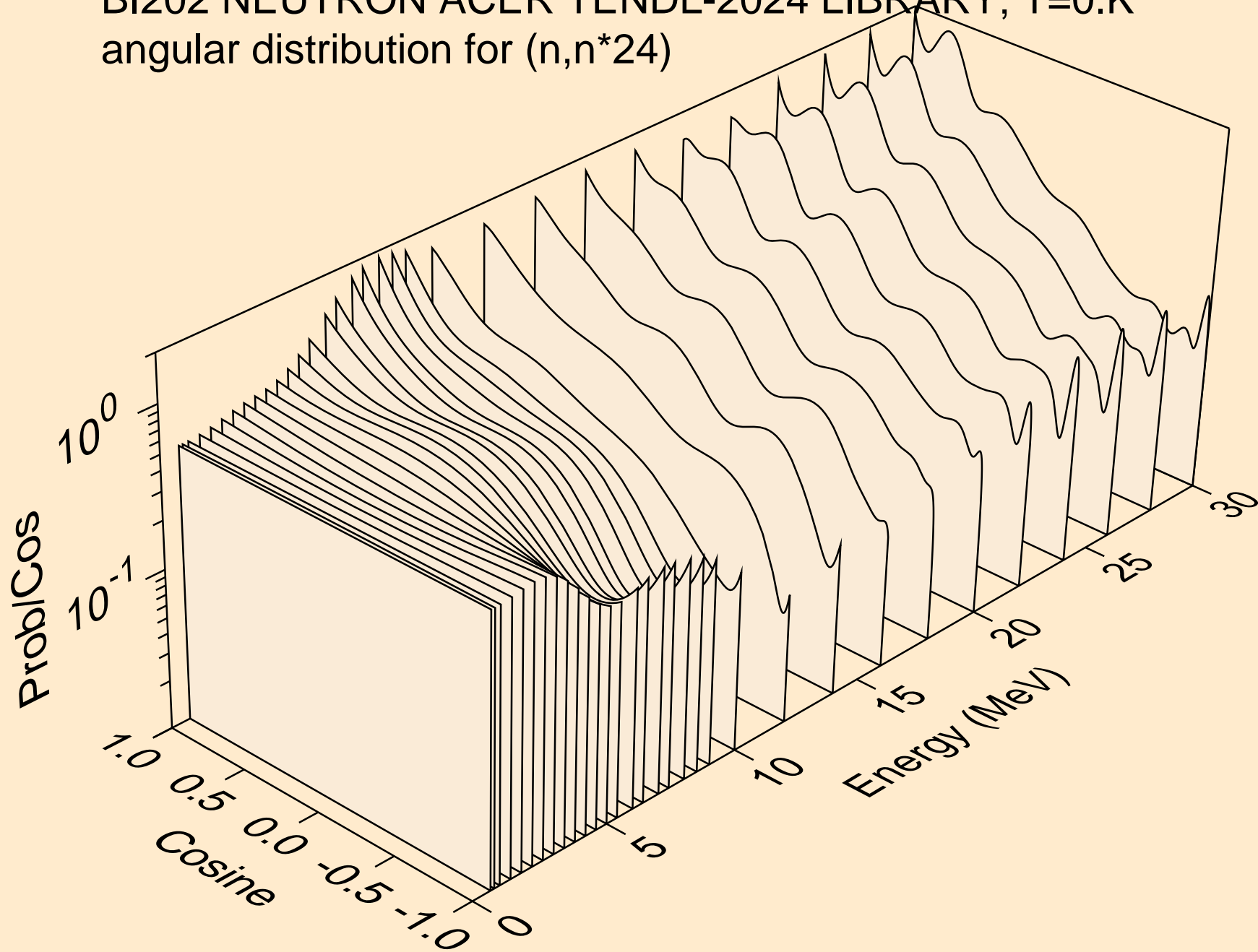
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*22)



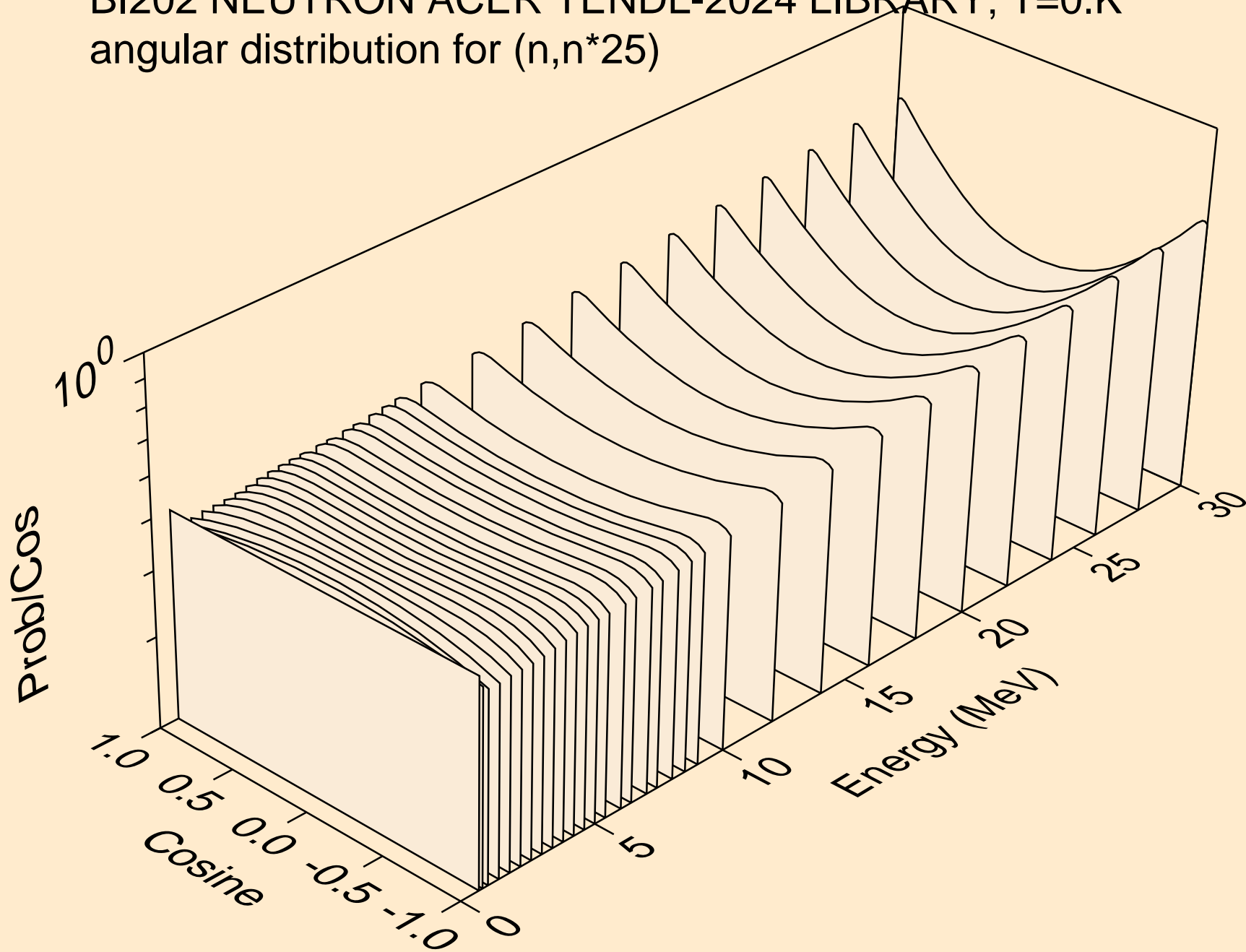
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*23)



BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)

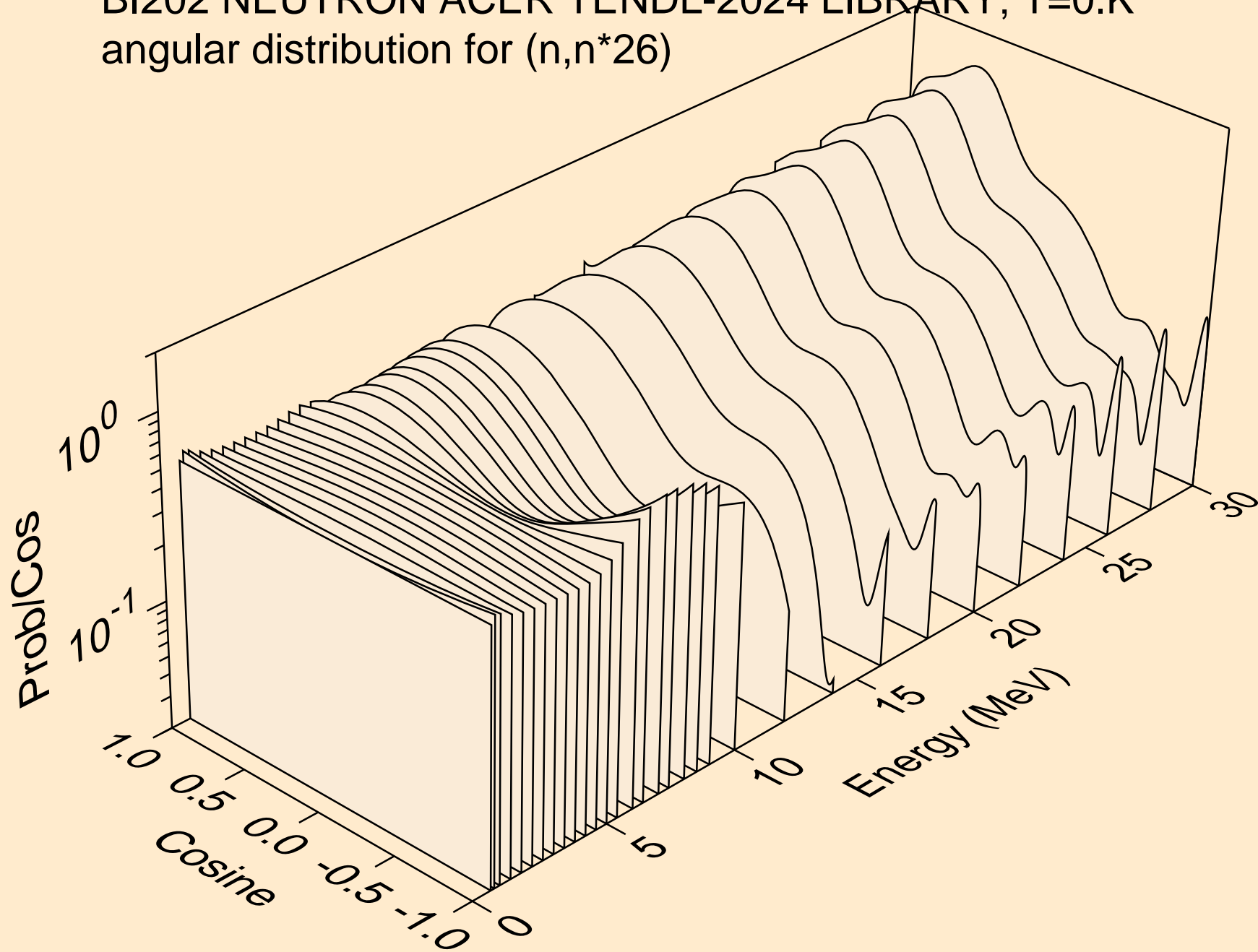


BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)

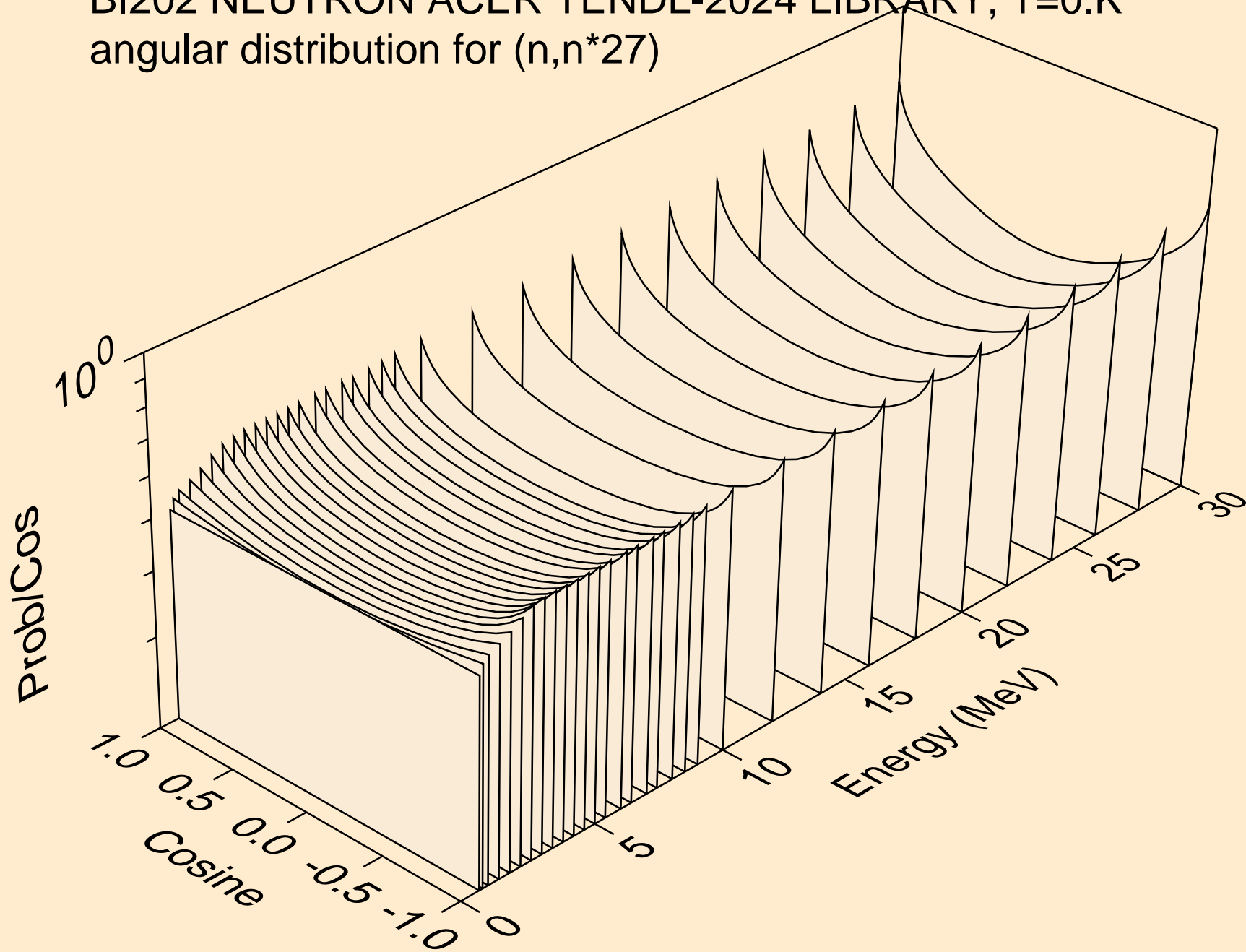




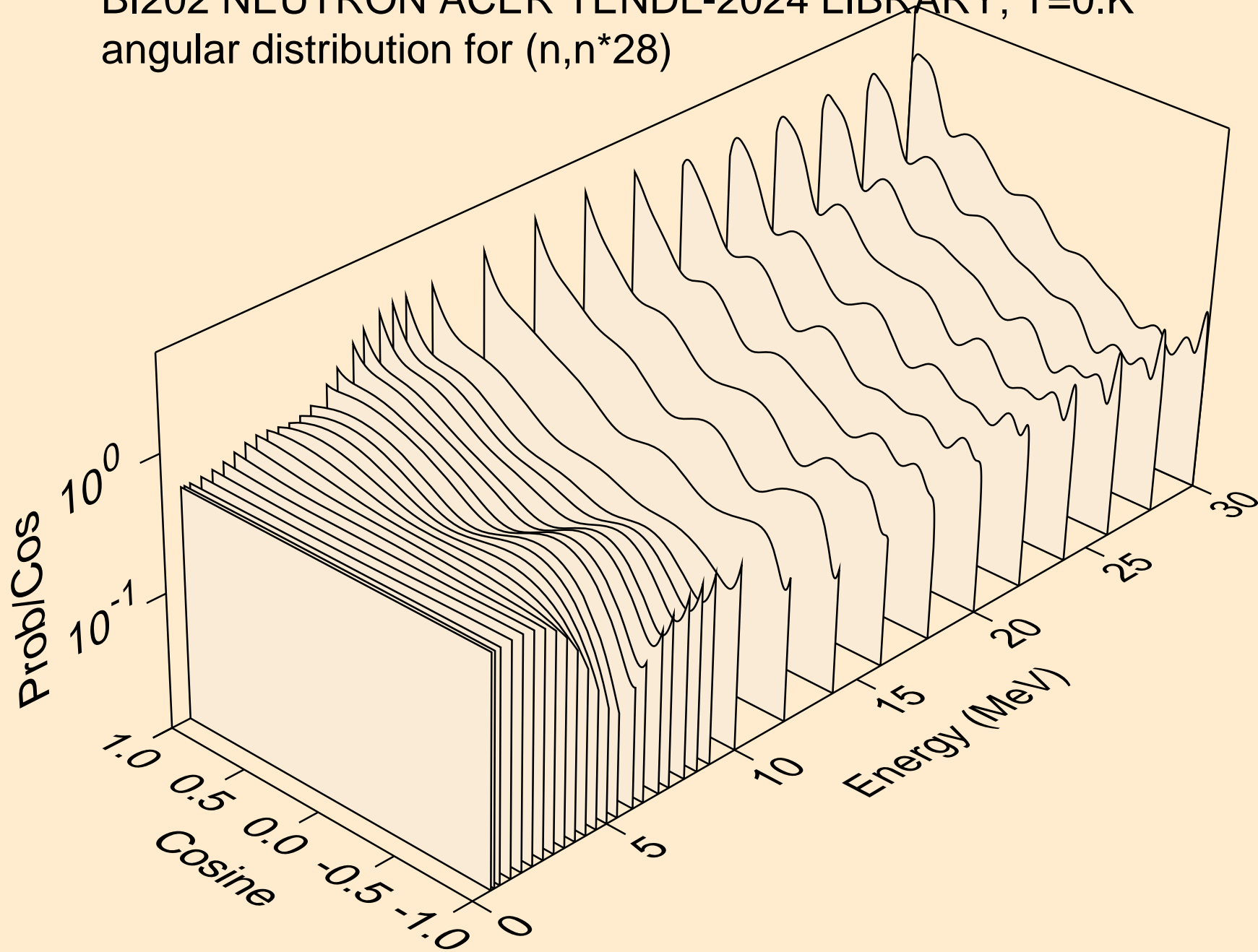
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



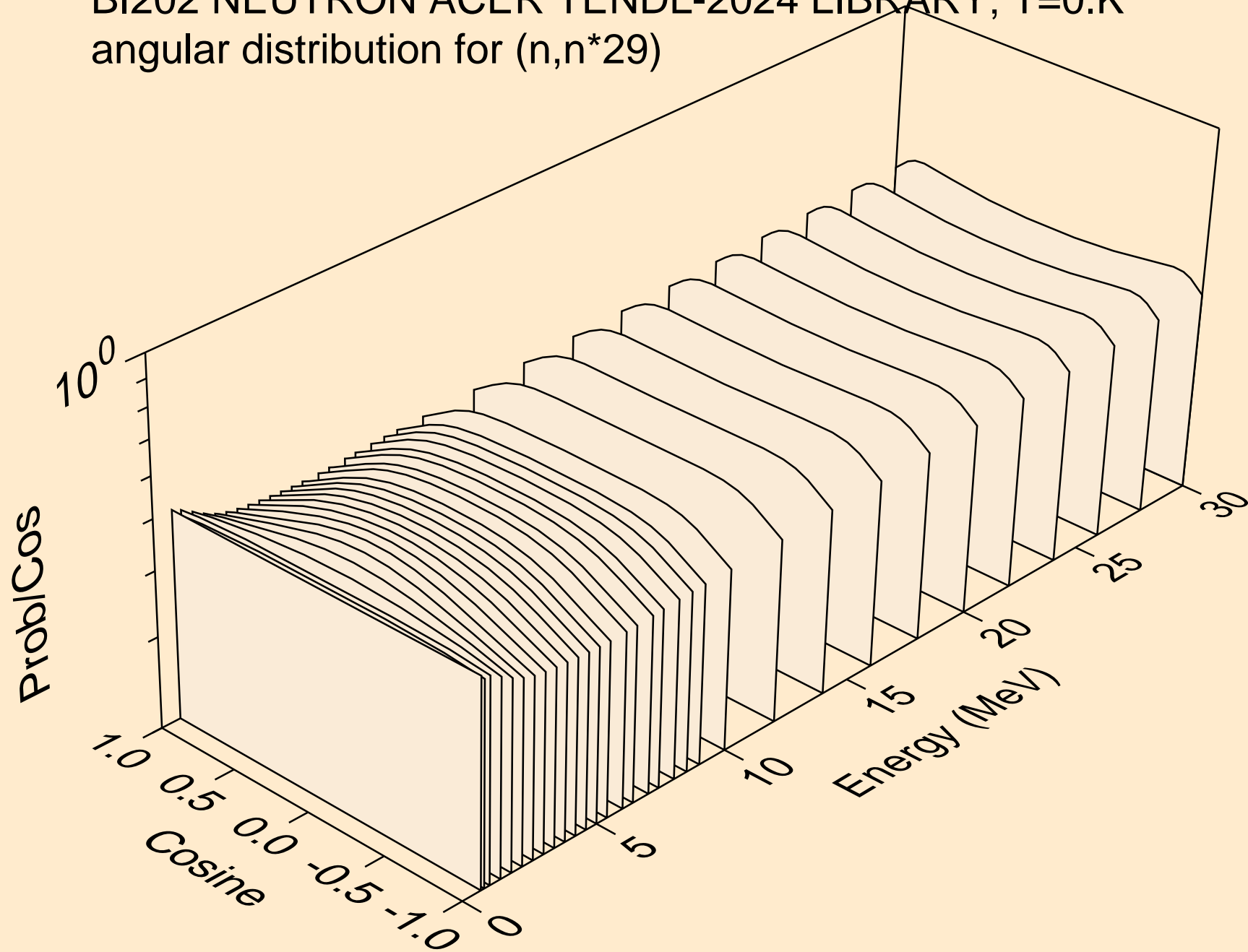
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



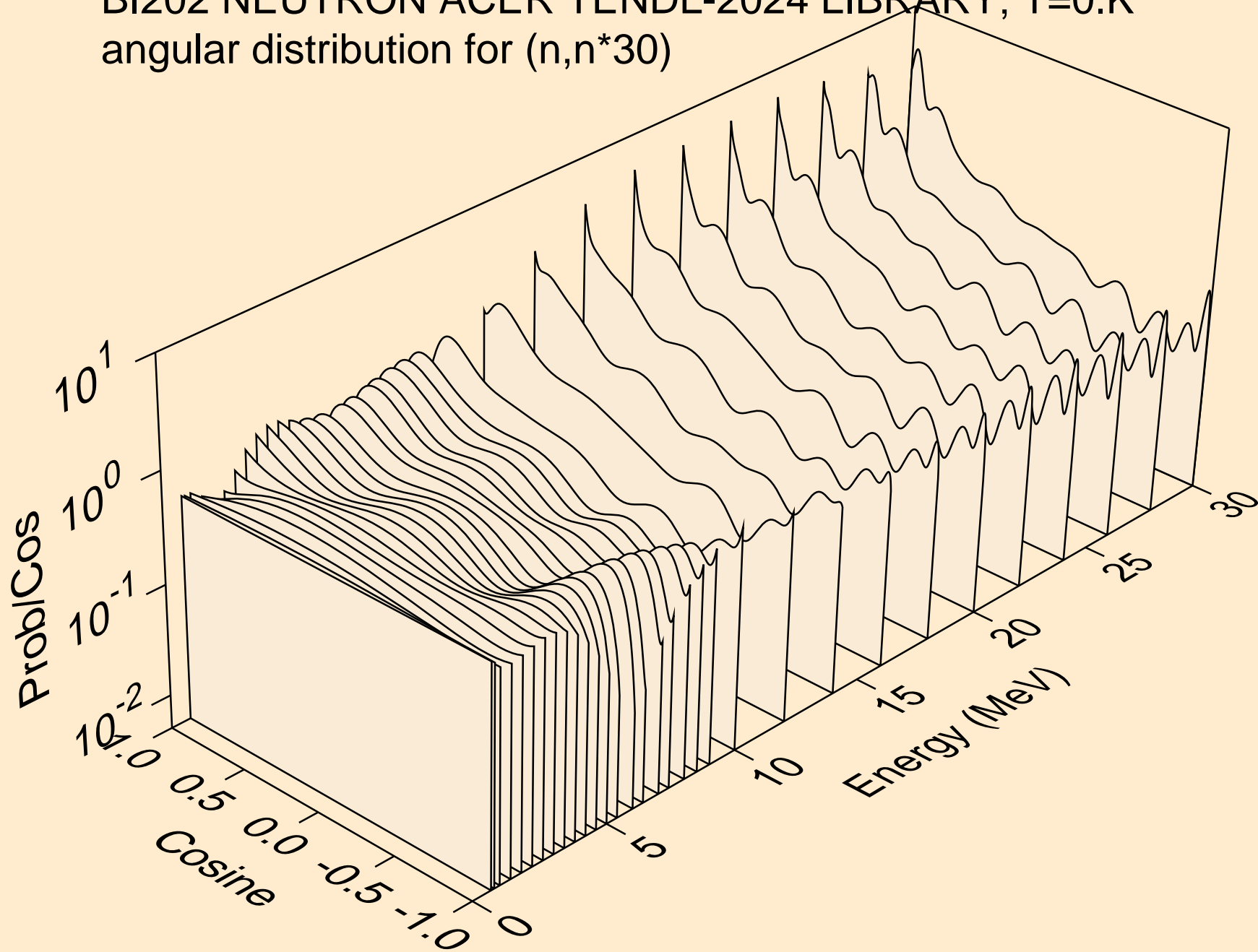
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)



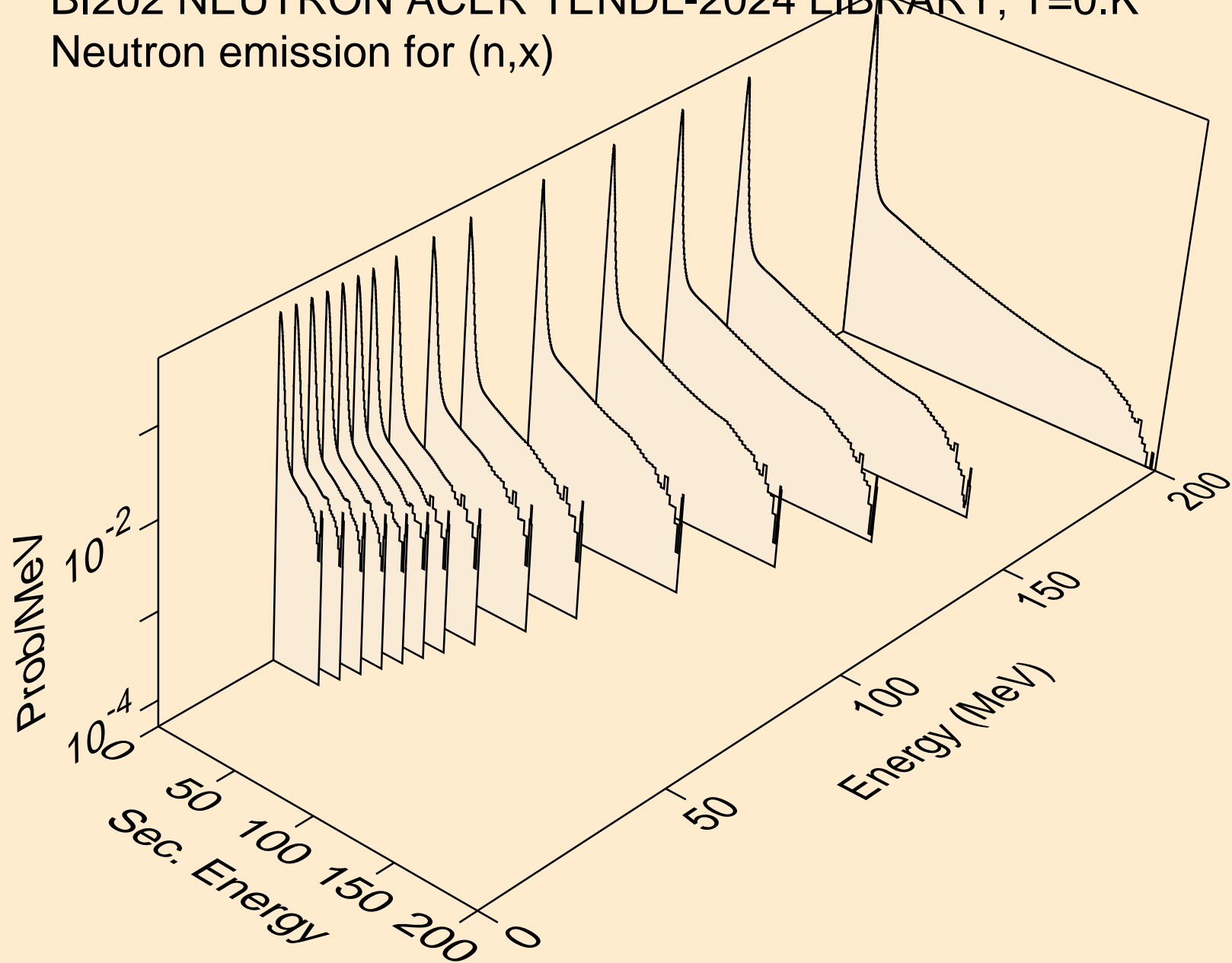
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*29)



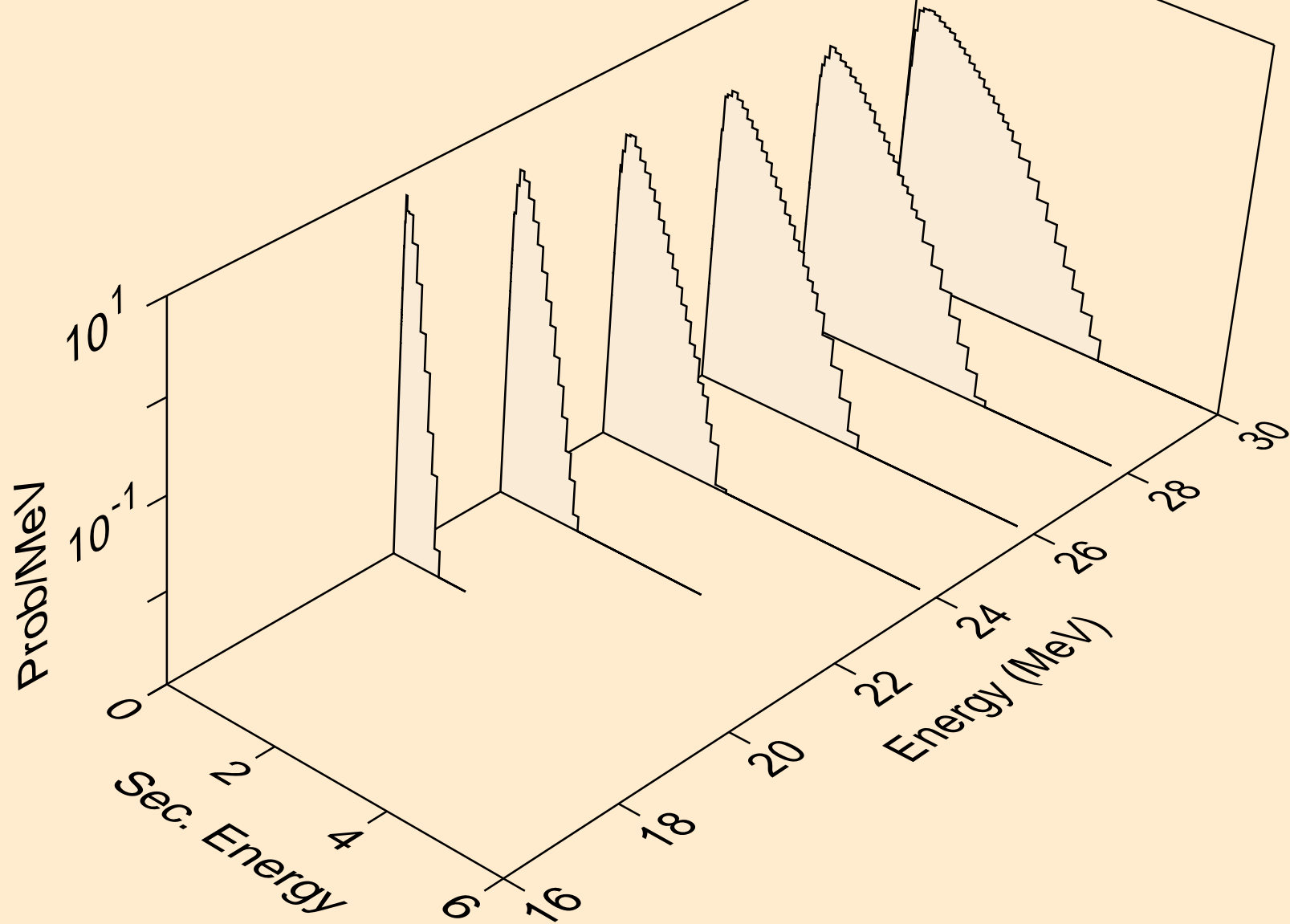
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*30)



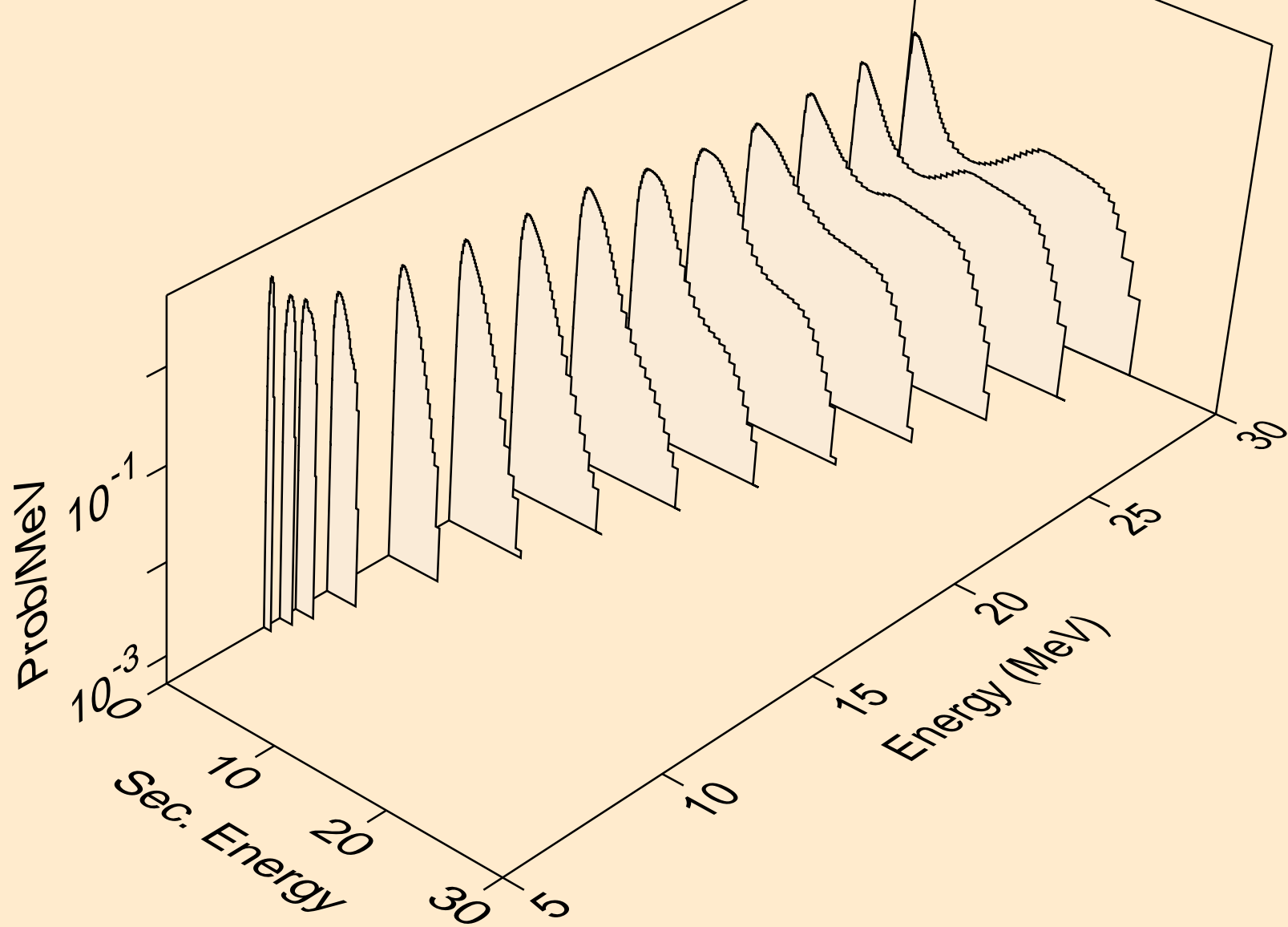
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)

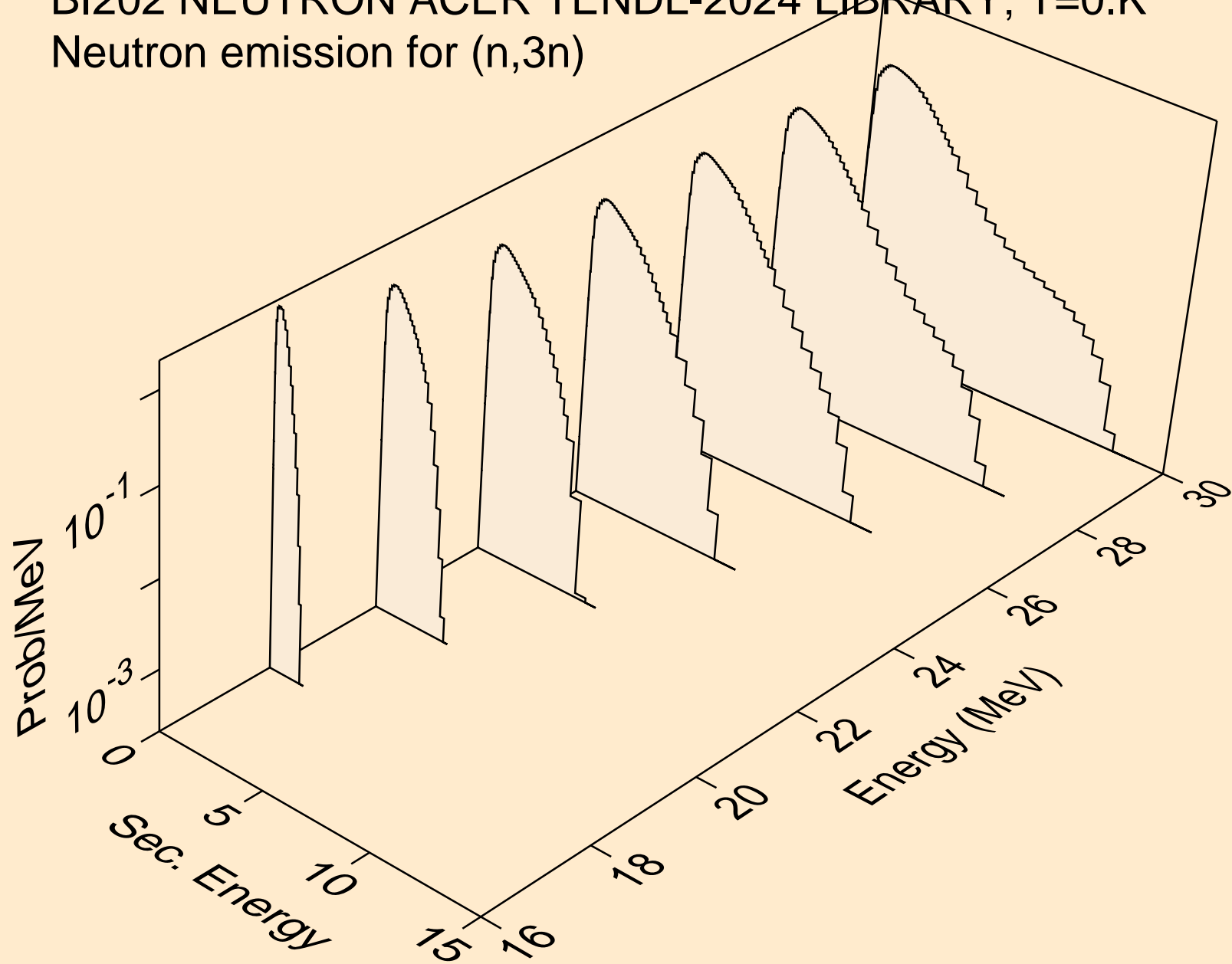


BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)

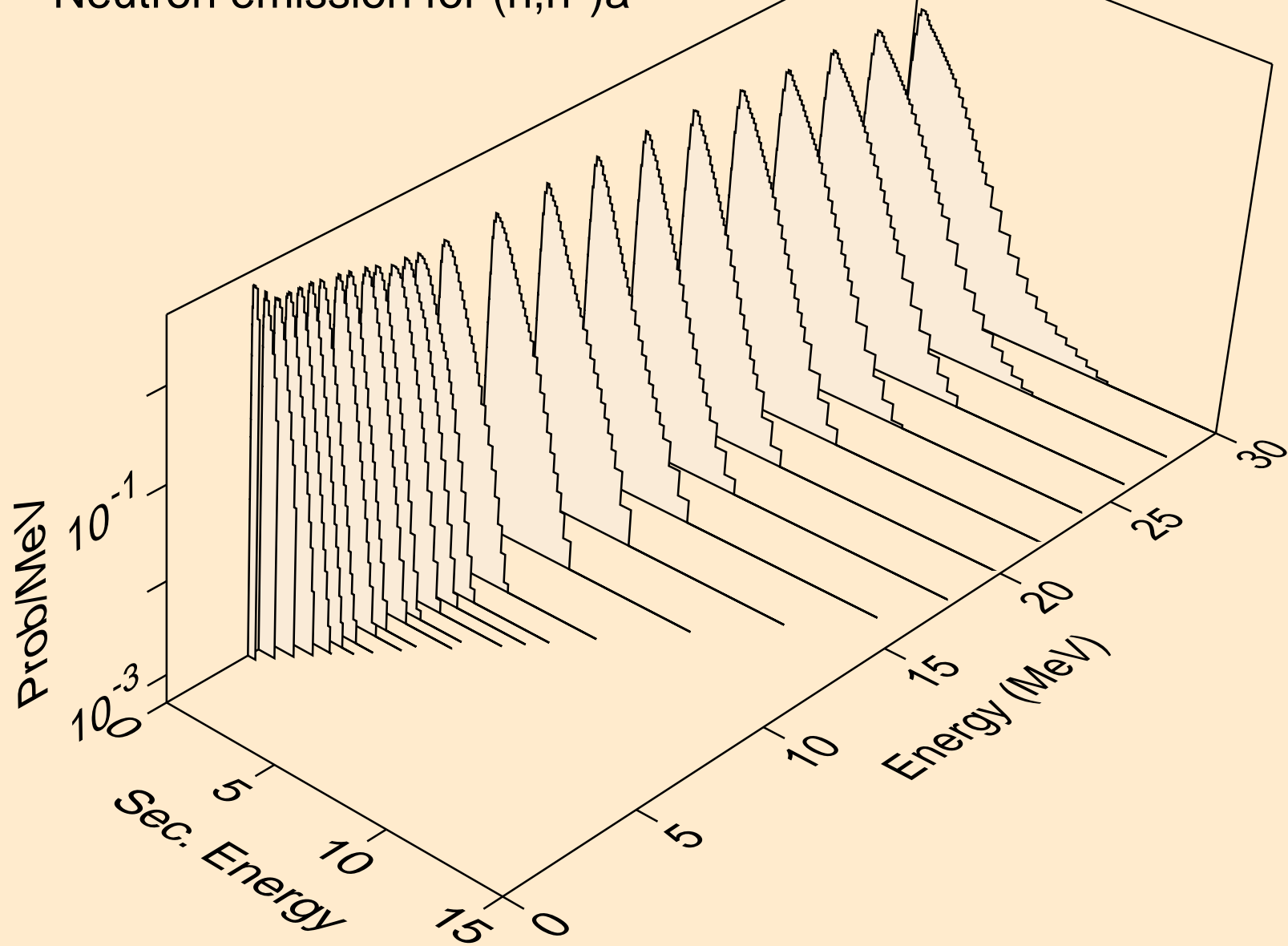




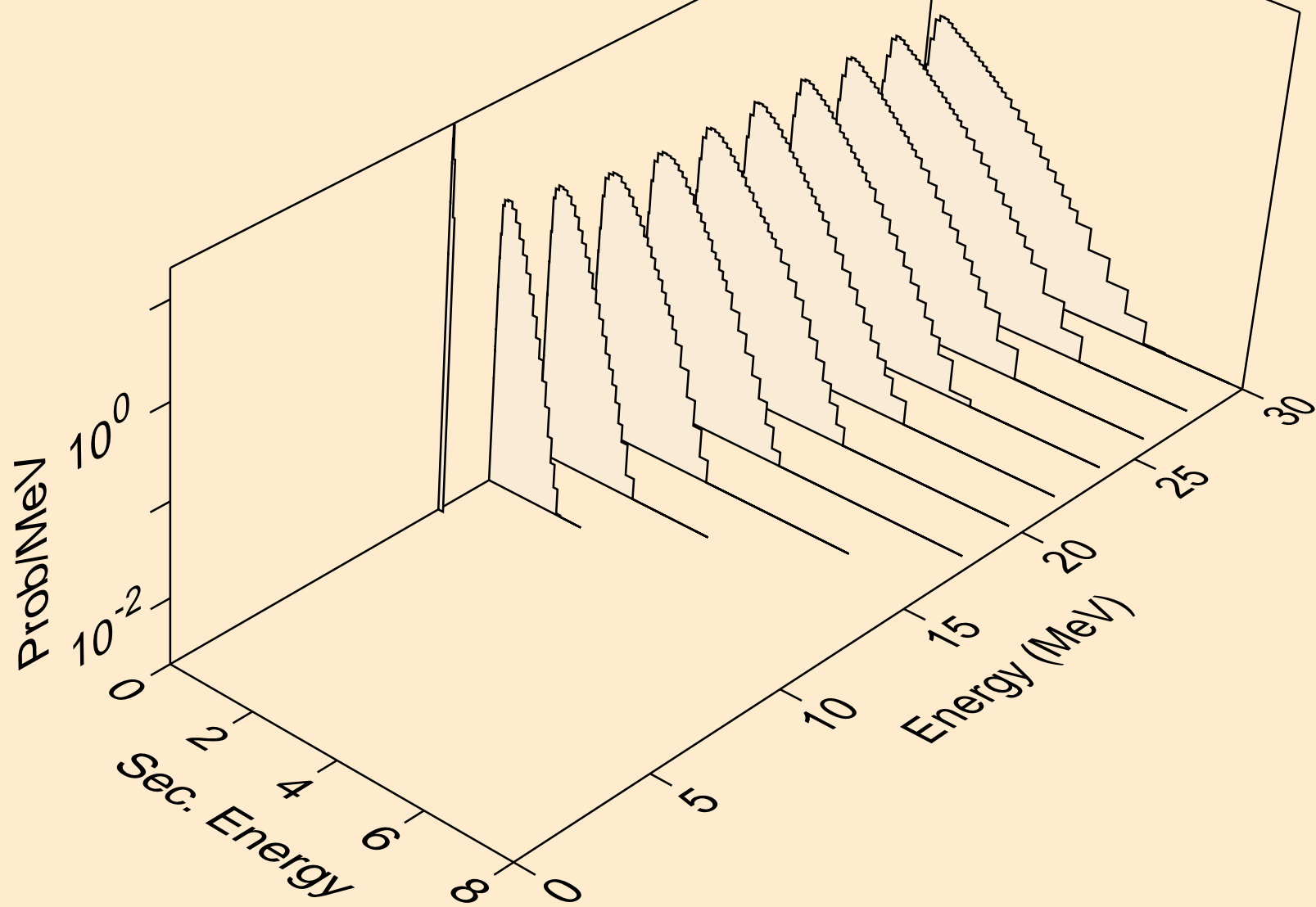
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



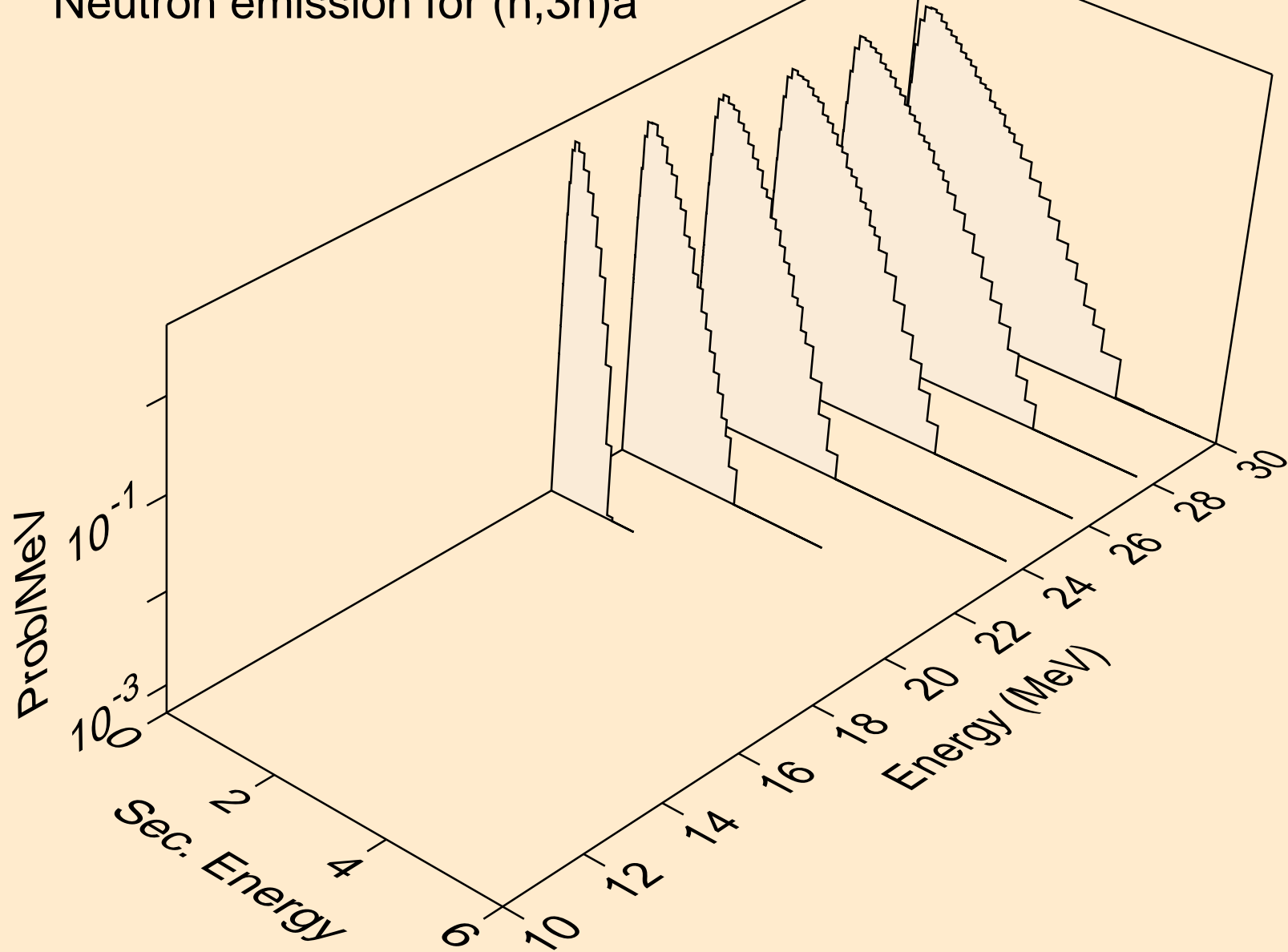
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



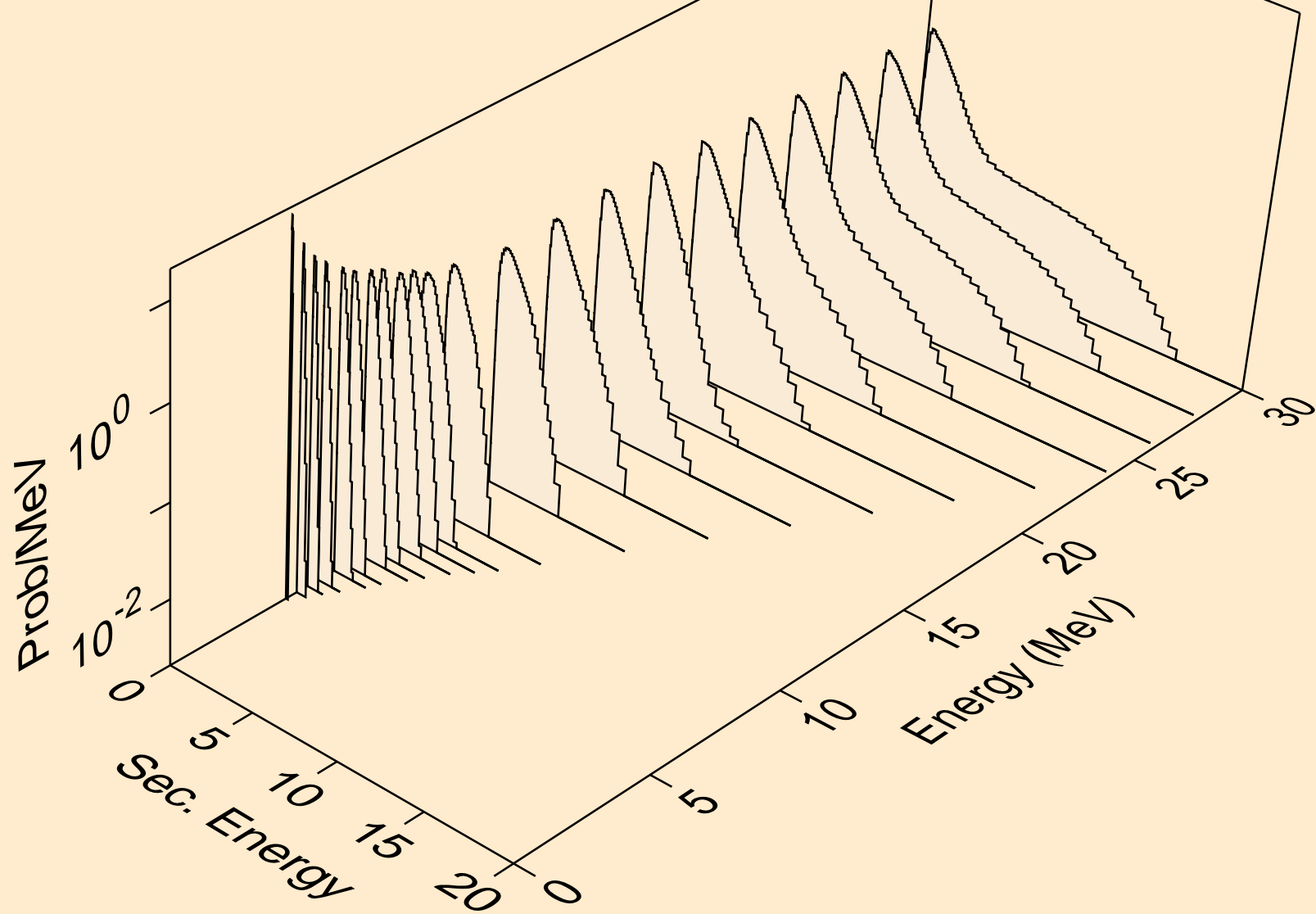
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



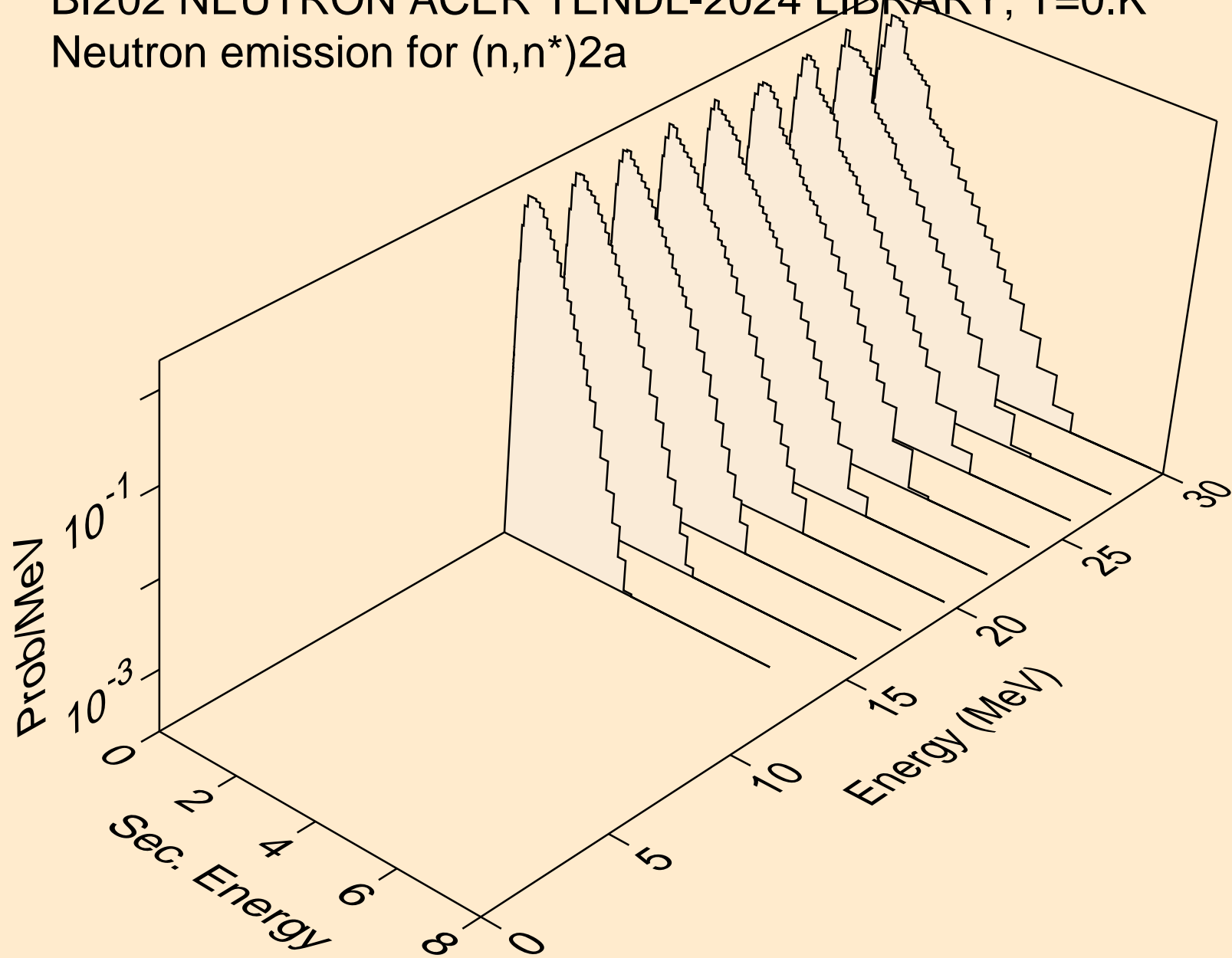
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



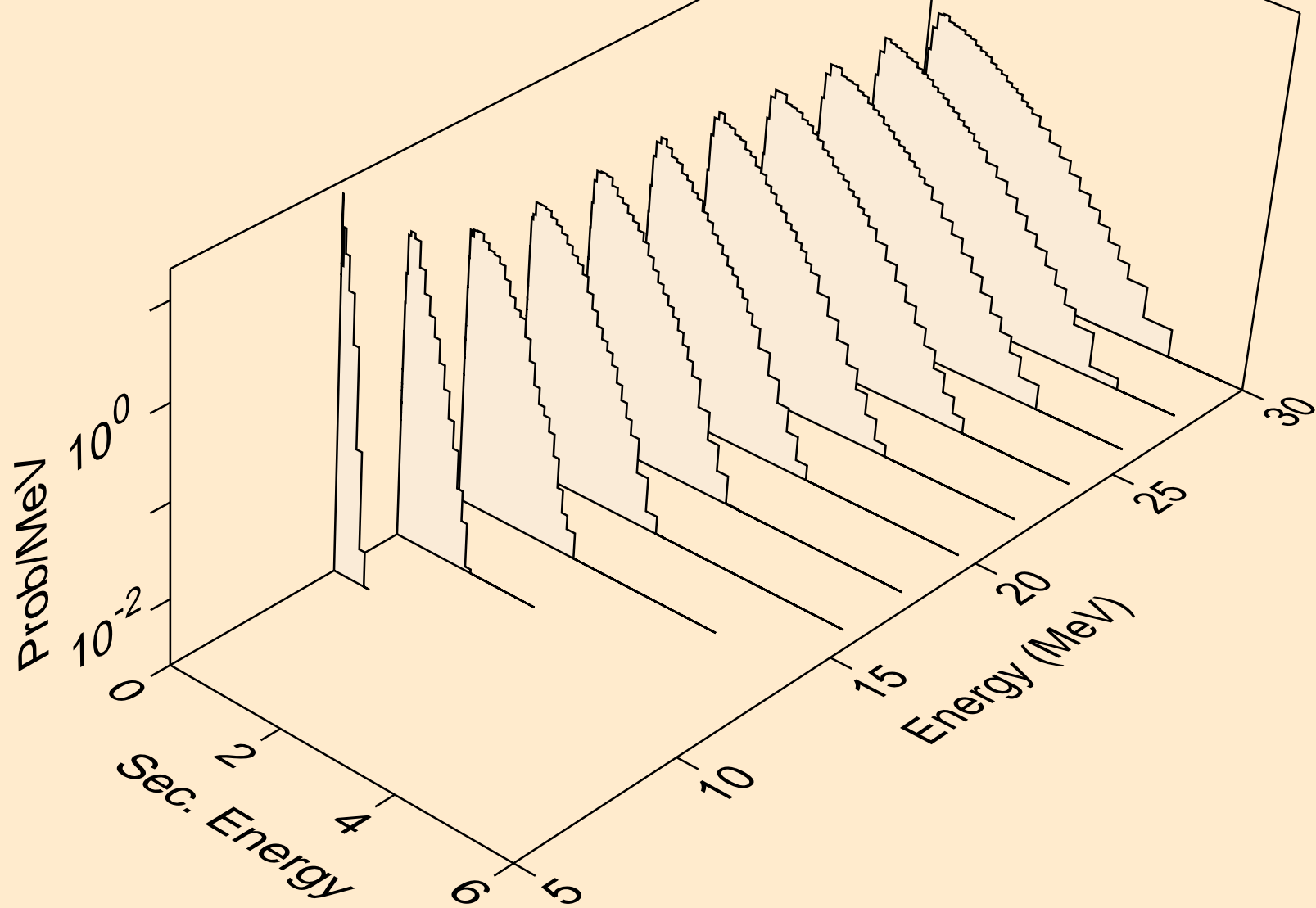
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



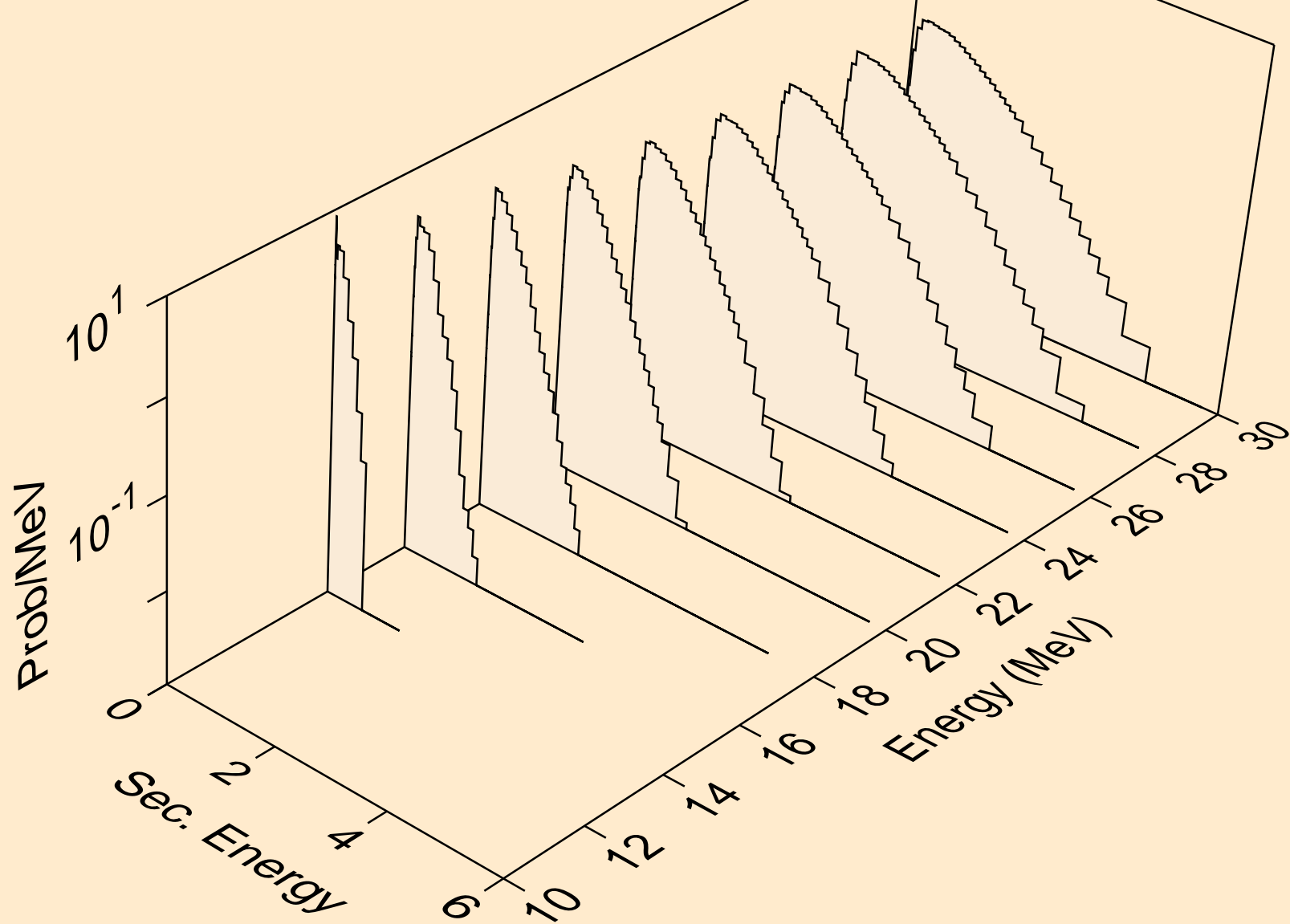
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

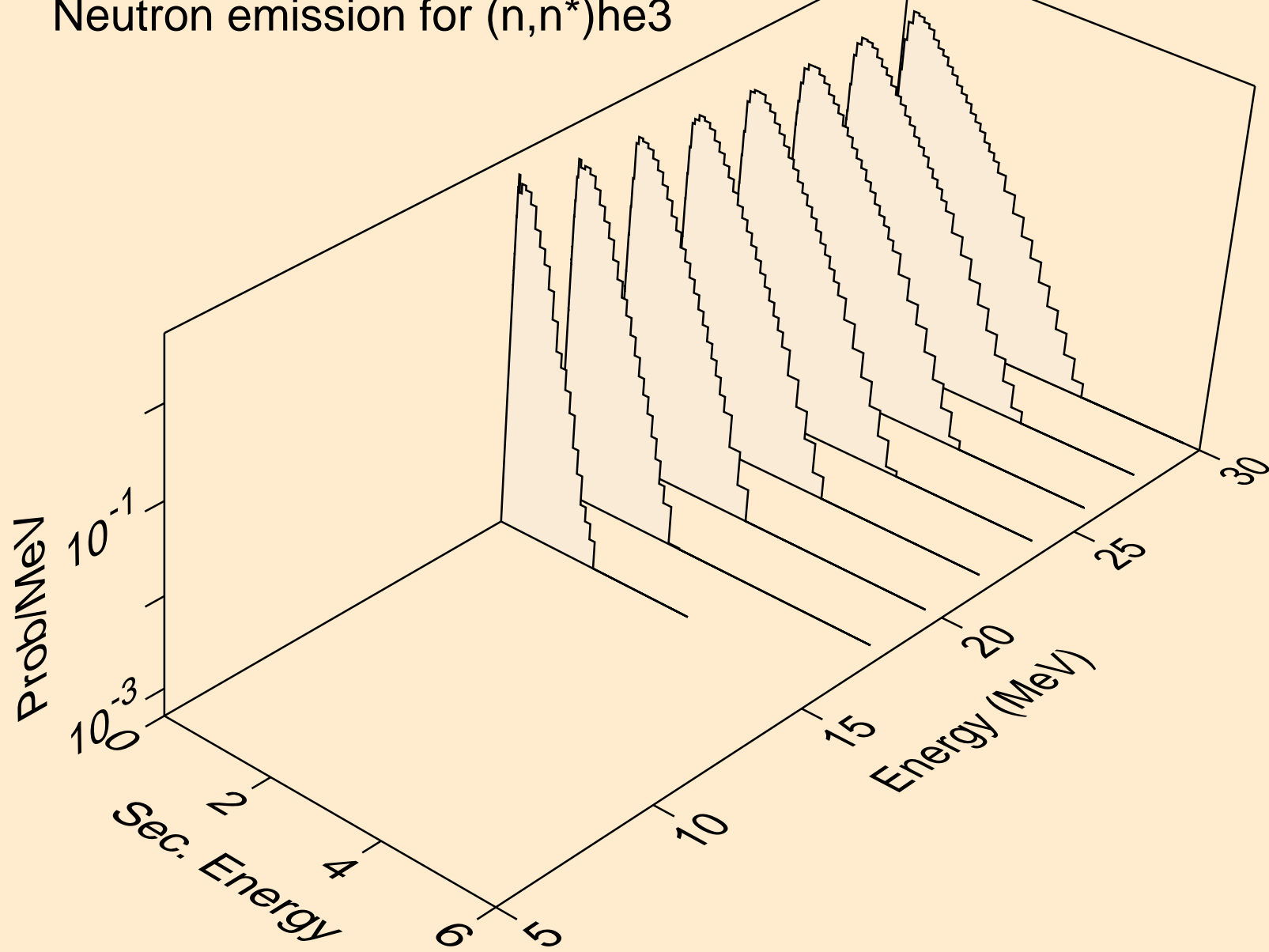


BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t

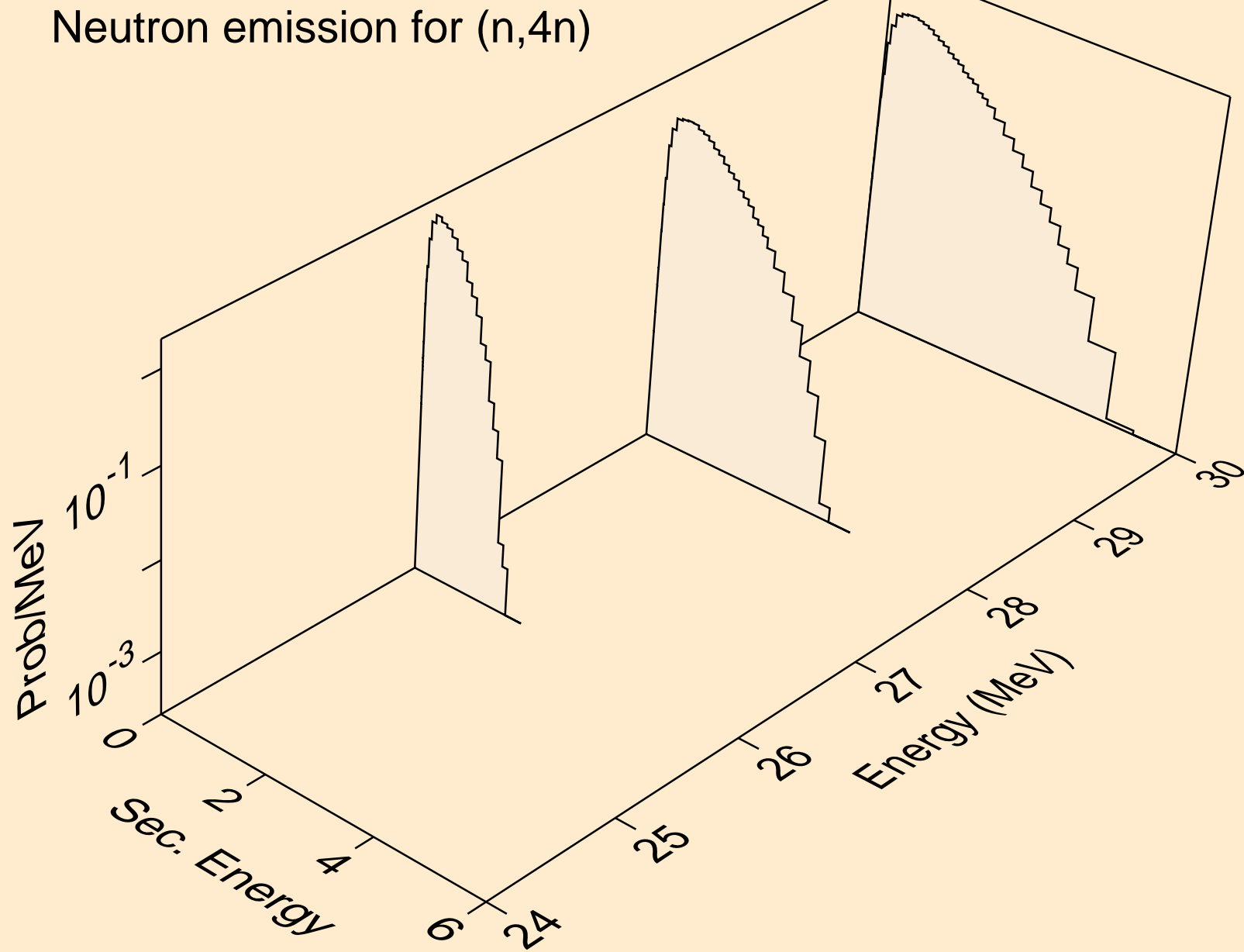




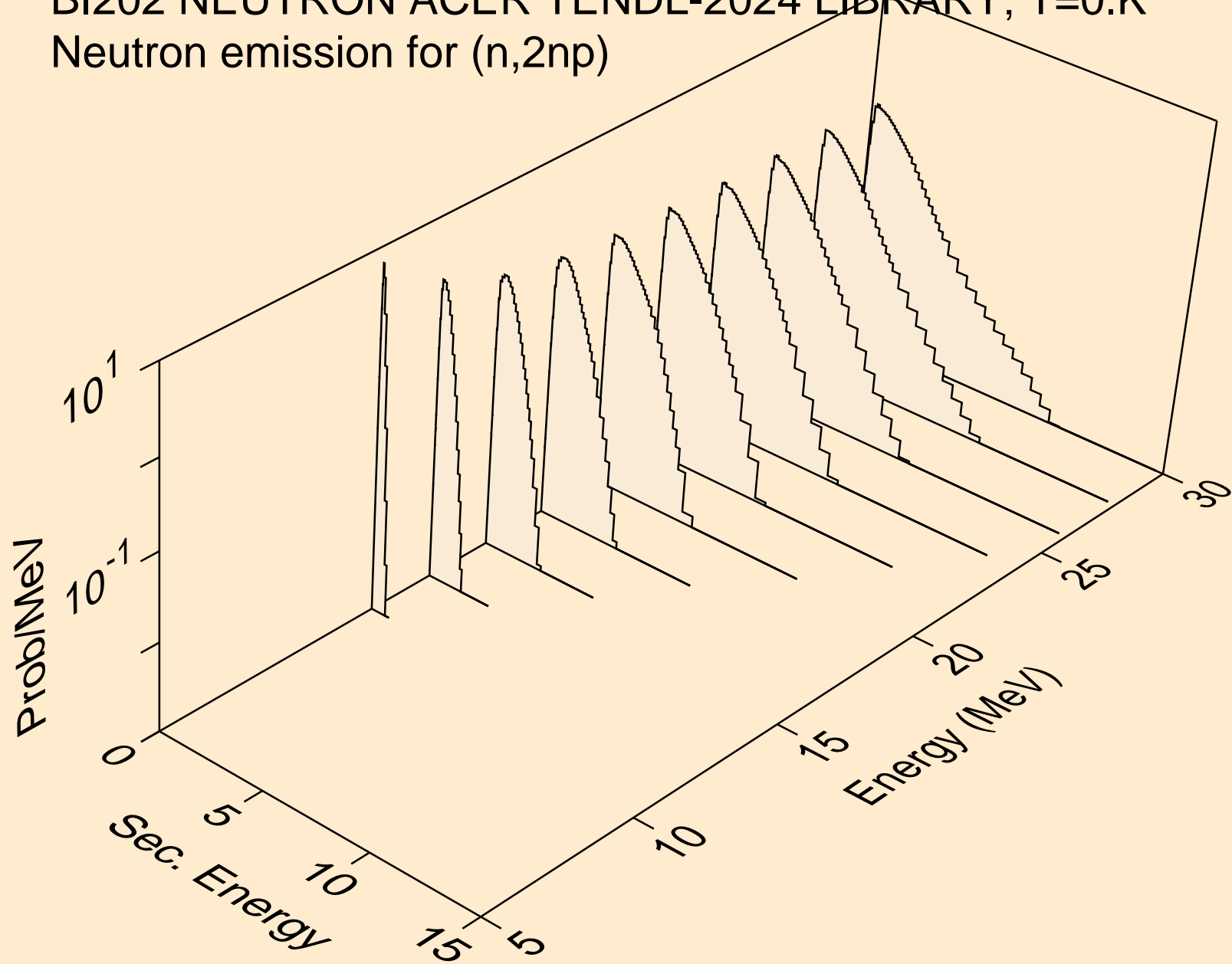
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



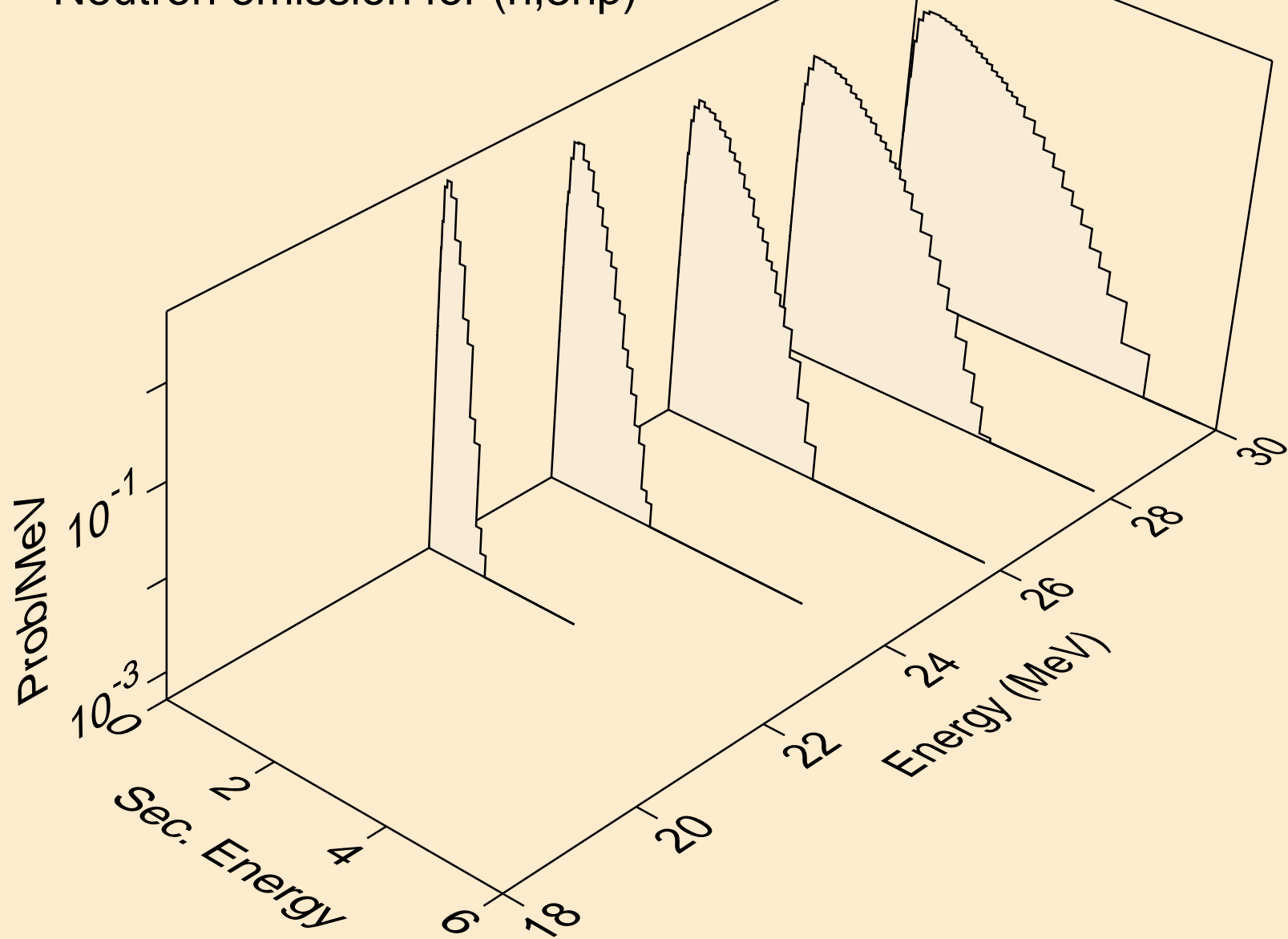
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



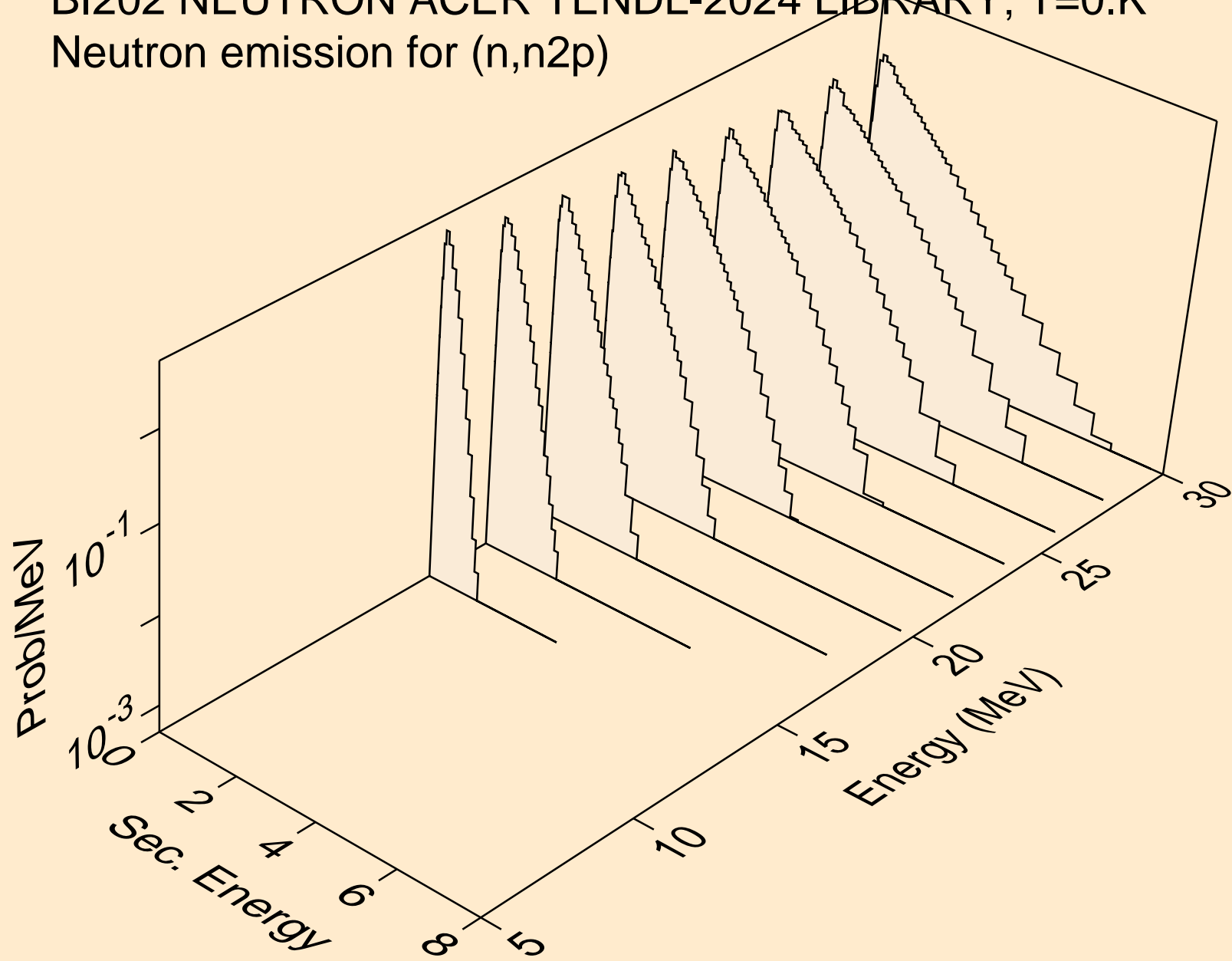
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Neutron emission for (n,2np)



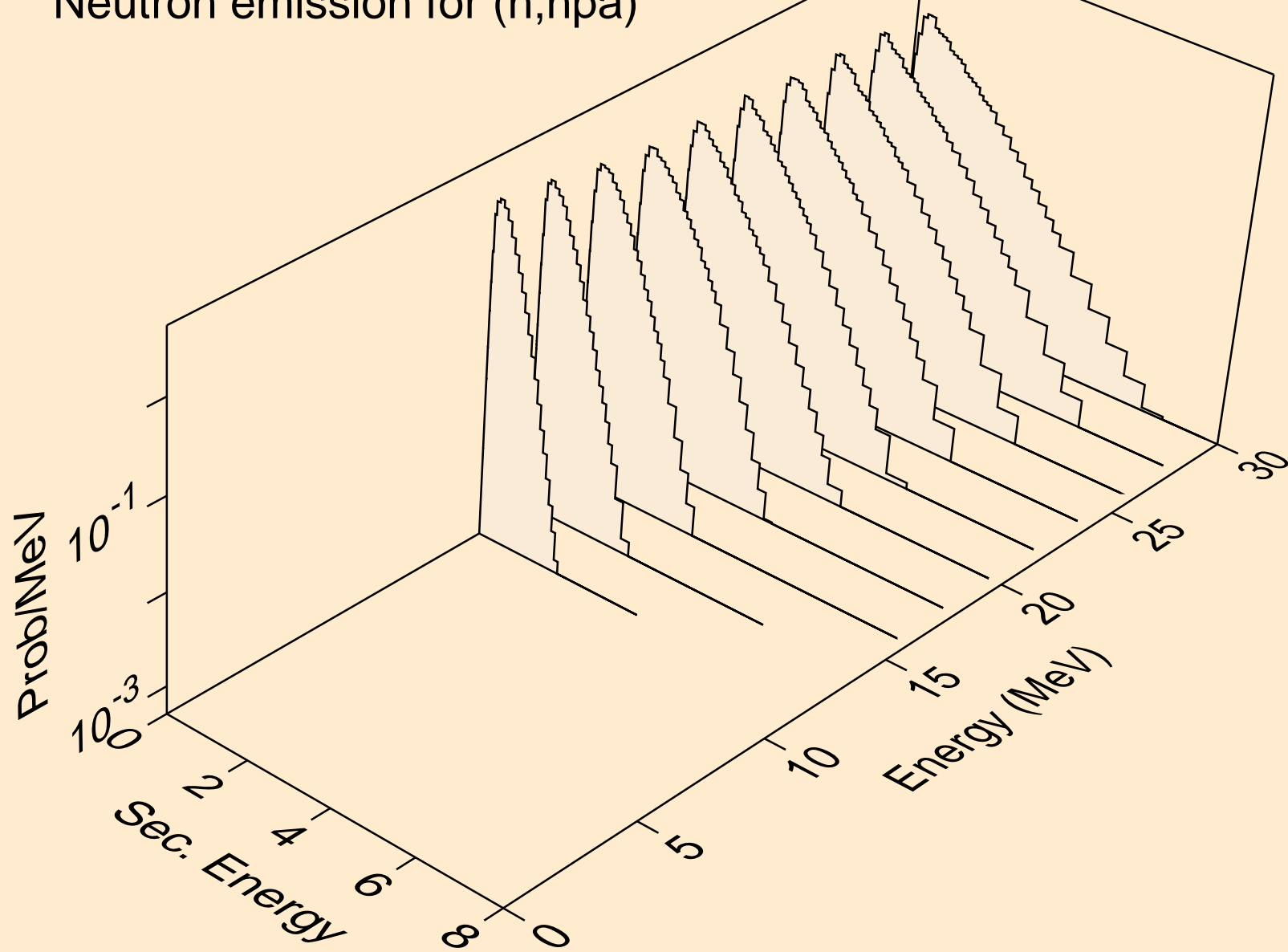
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Neutron emission for (n,3np)



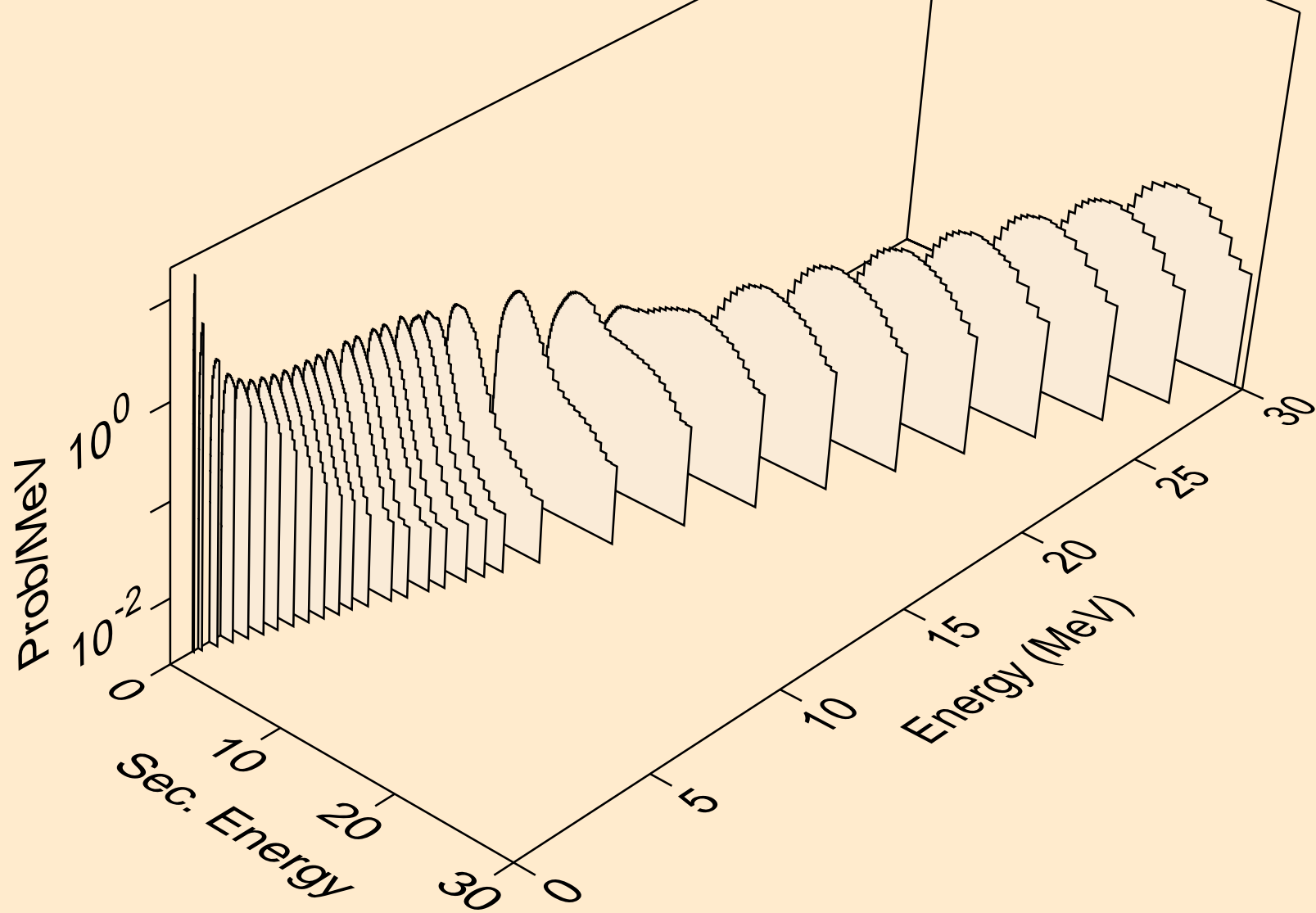
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Neutron emission for (n,n2p)



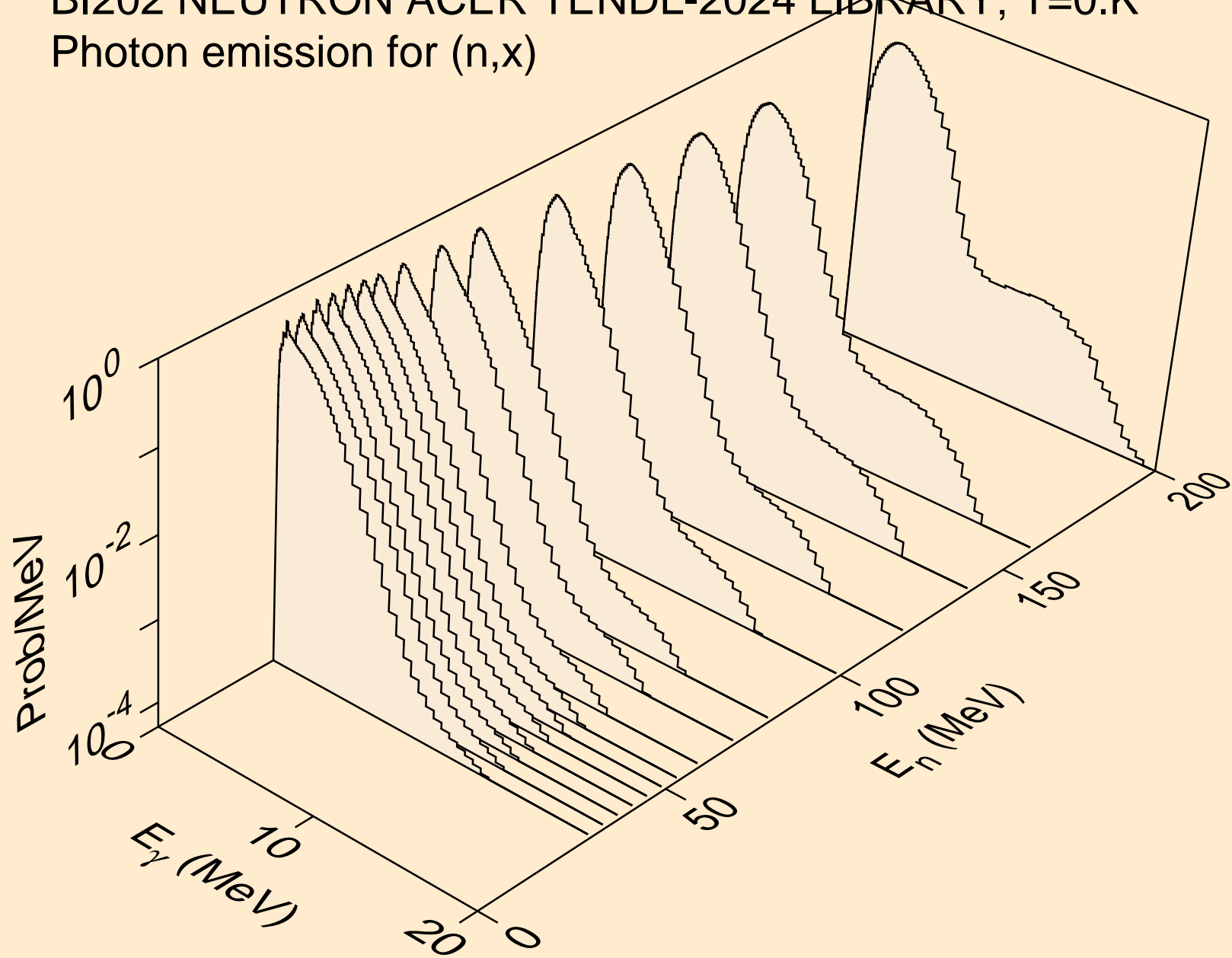
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

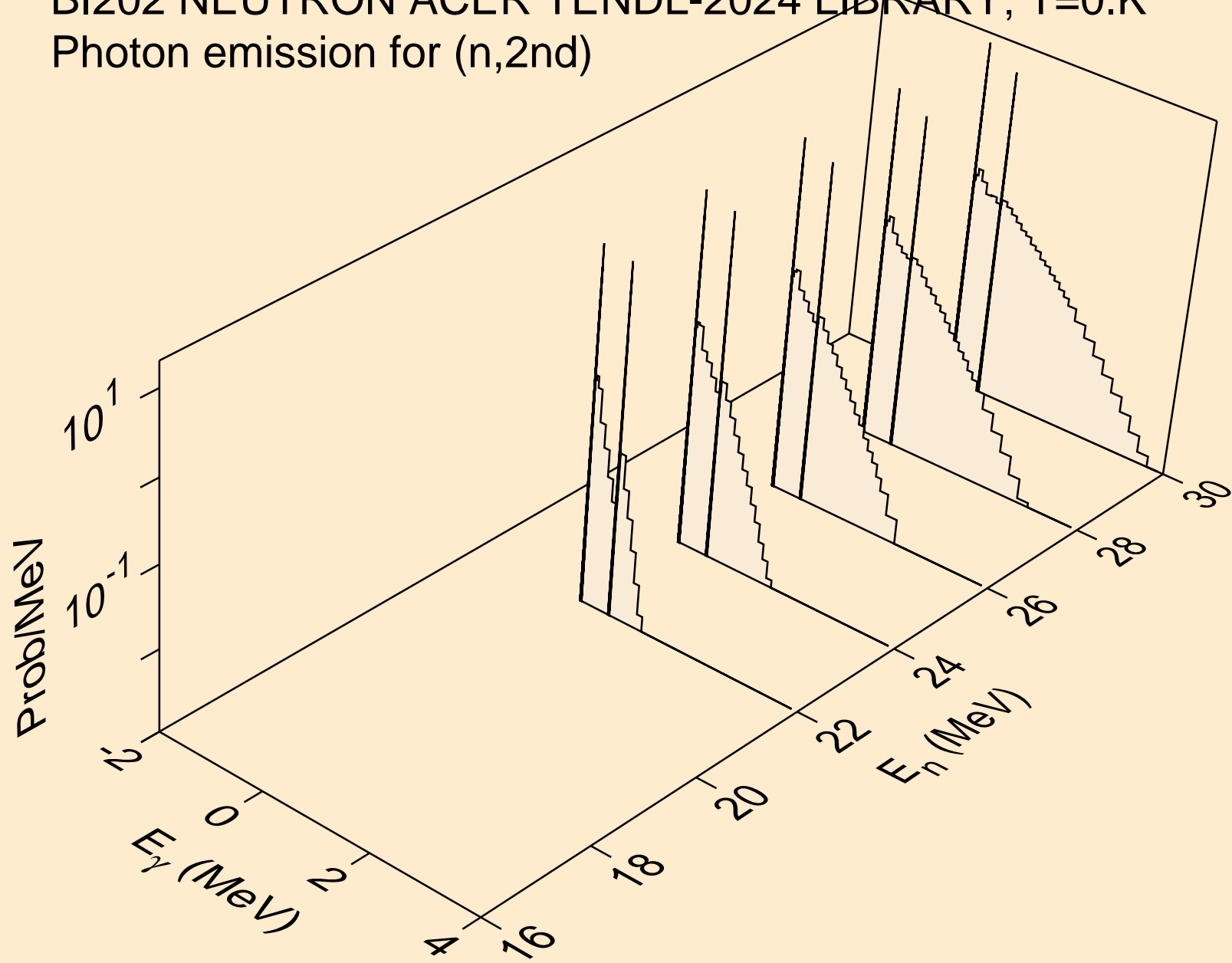


BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)

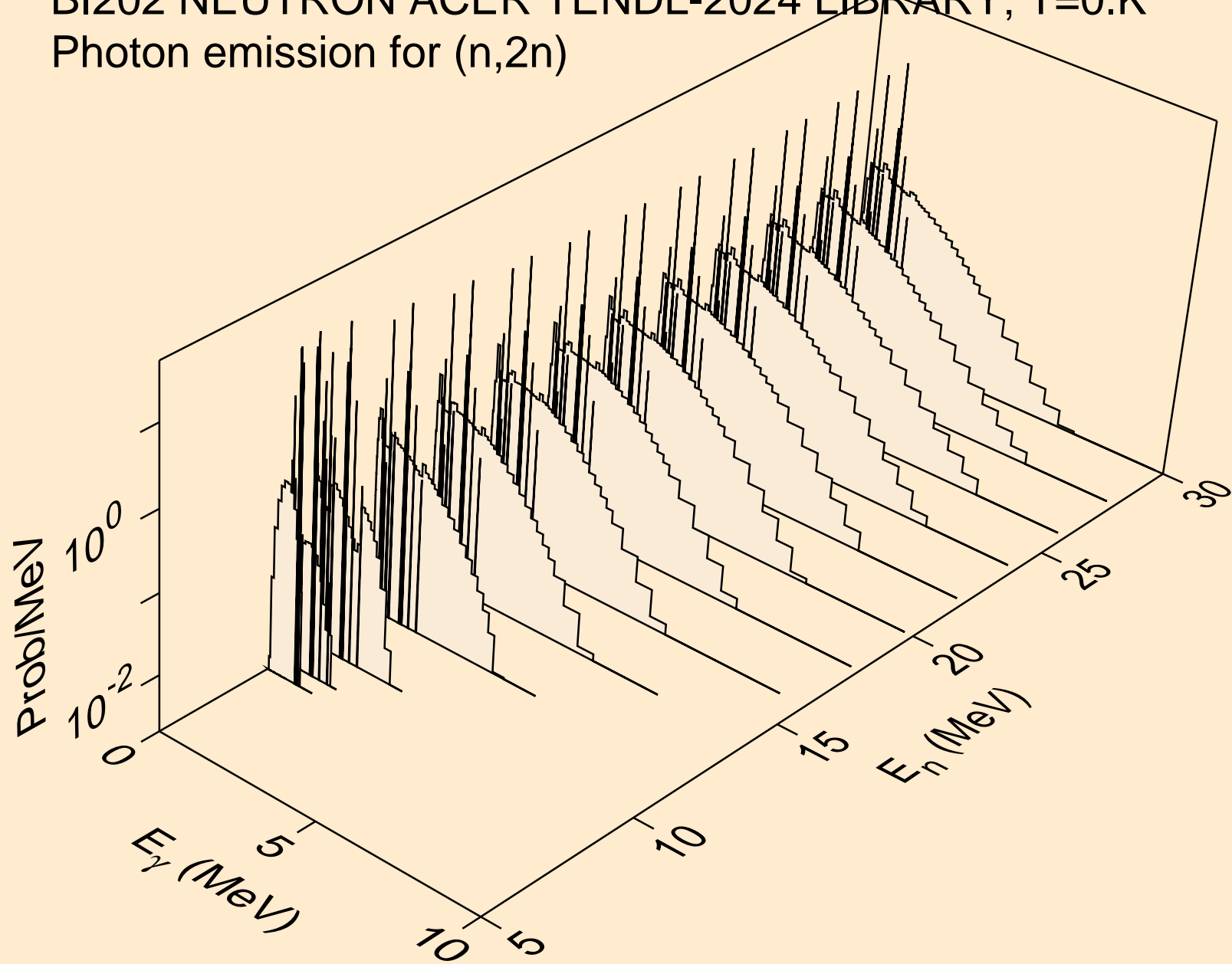




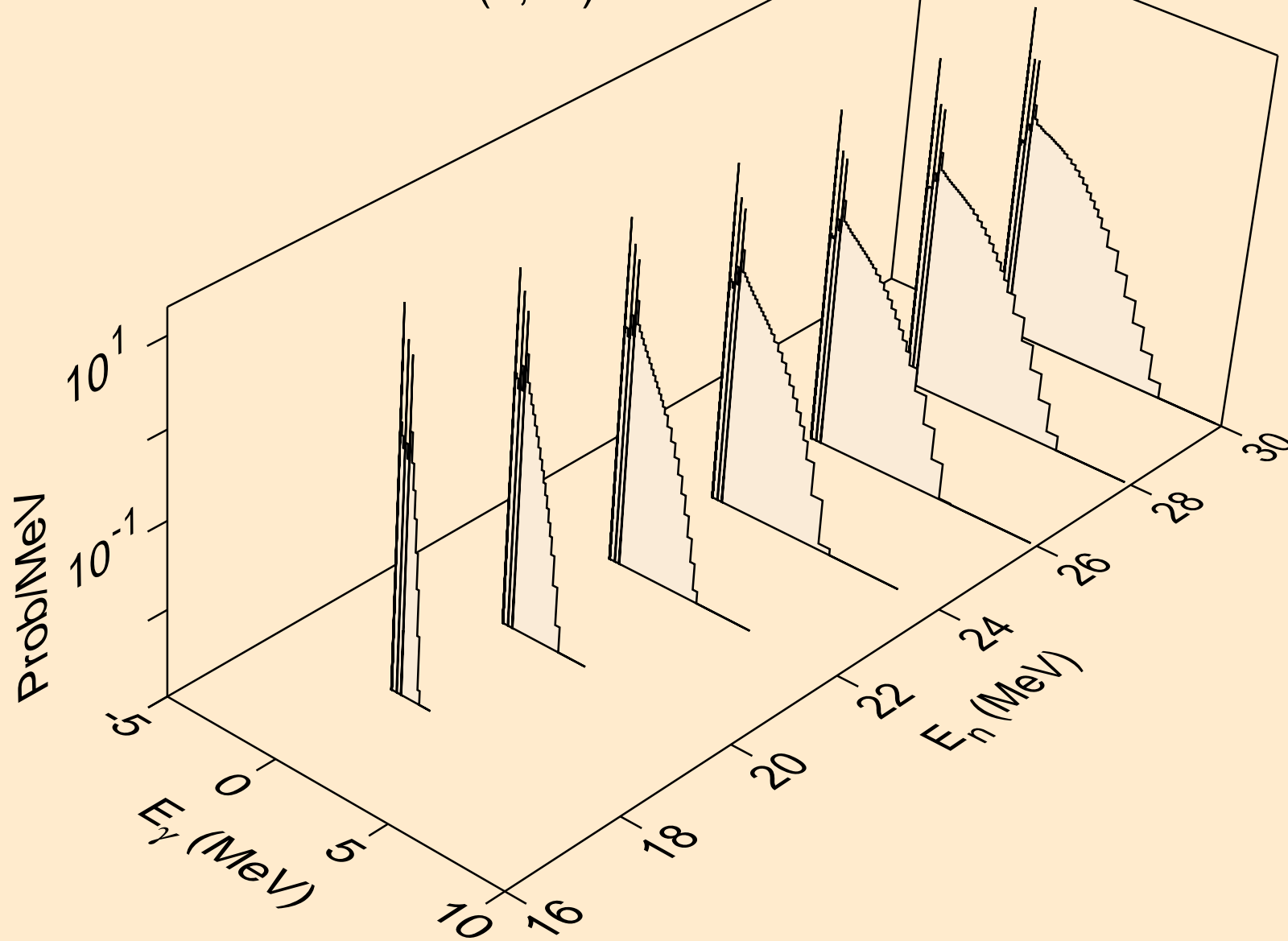
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Photon emission for (n,2nd)



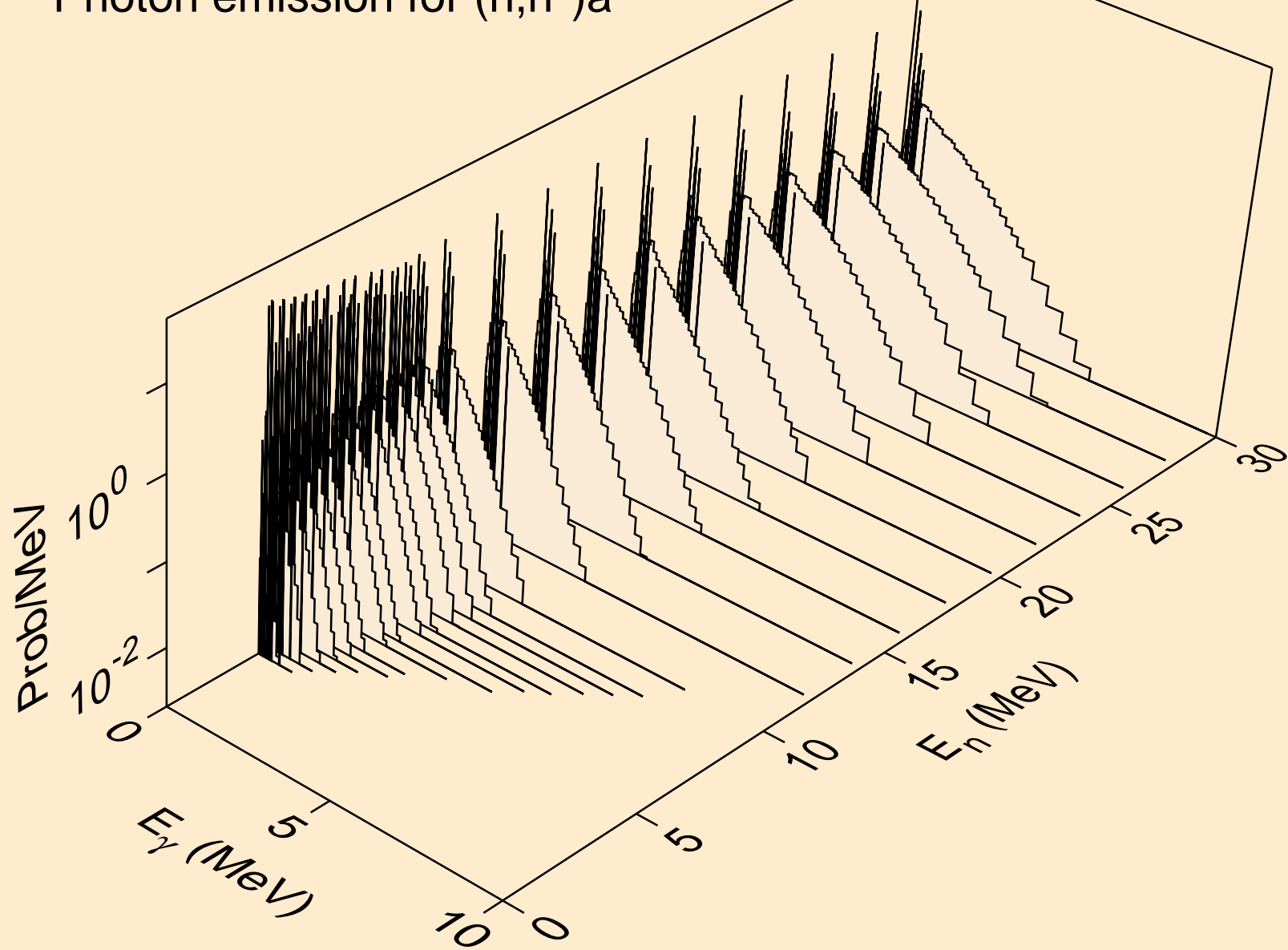
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Photon emission for (n,2n)



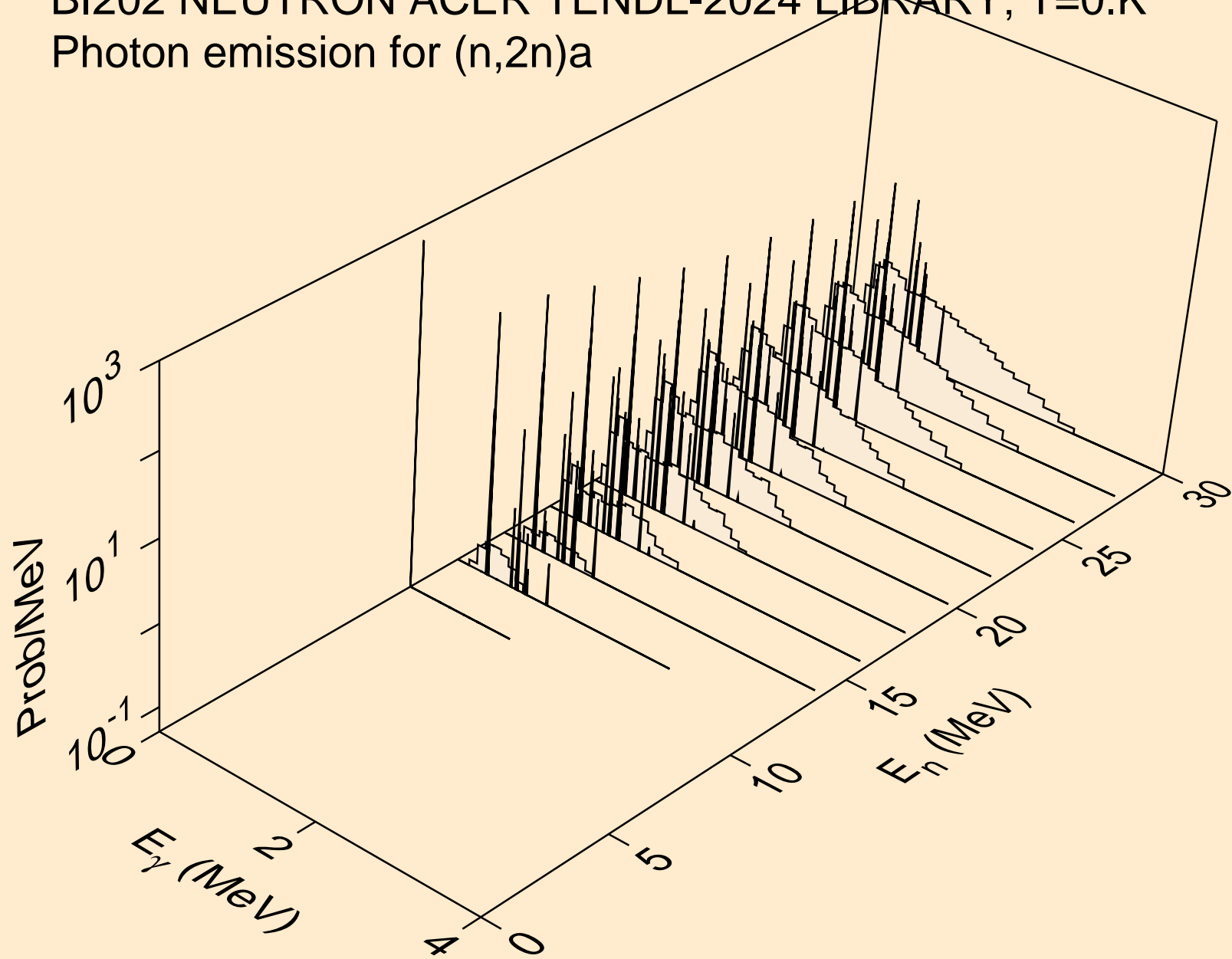
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Photon emission for (n,3n)



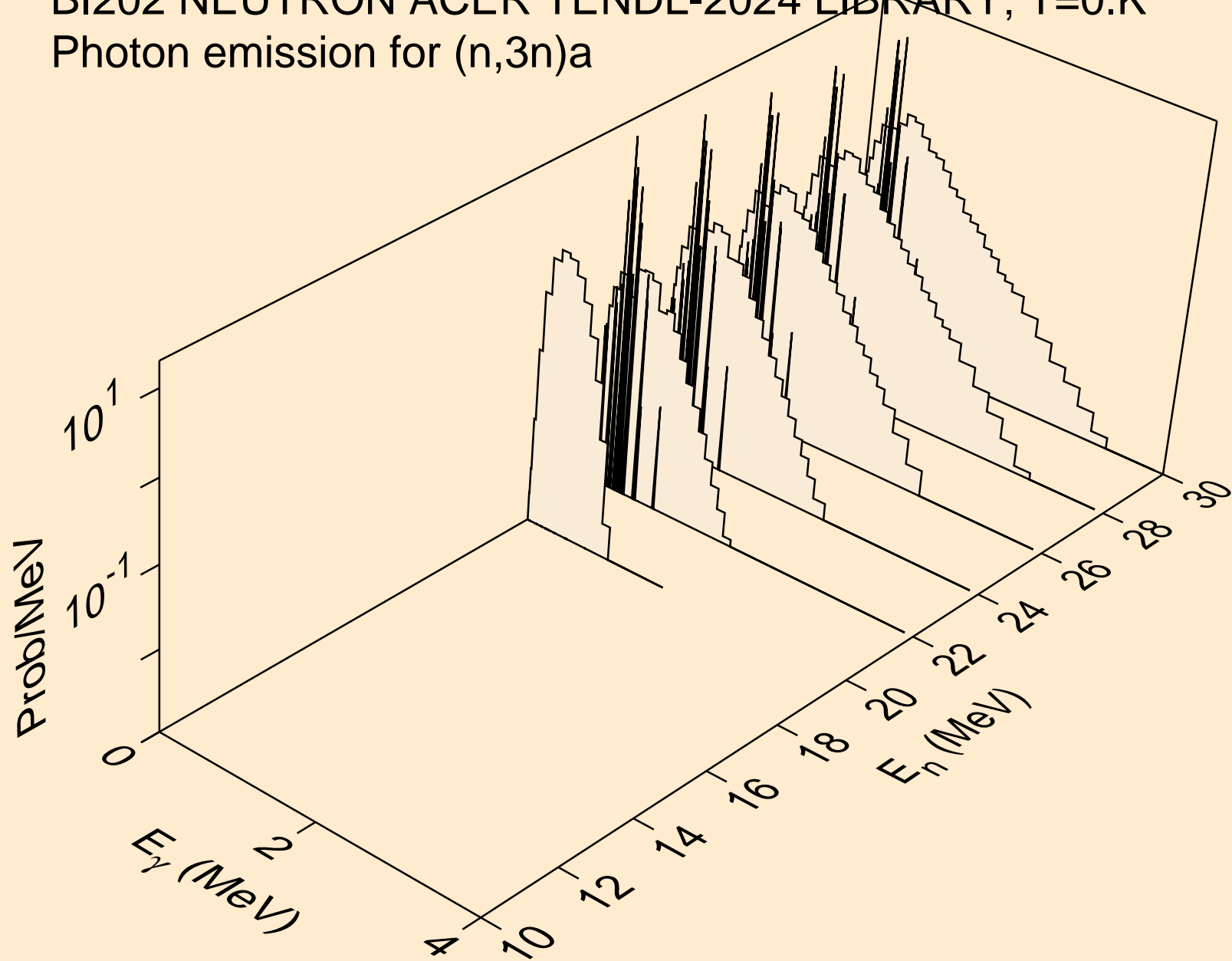
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Photon emission for (n,n\*)a



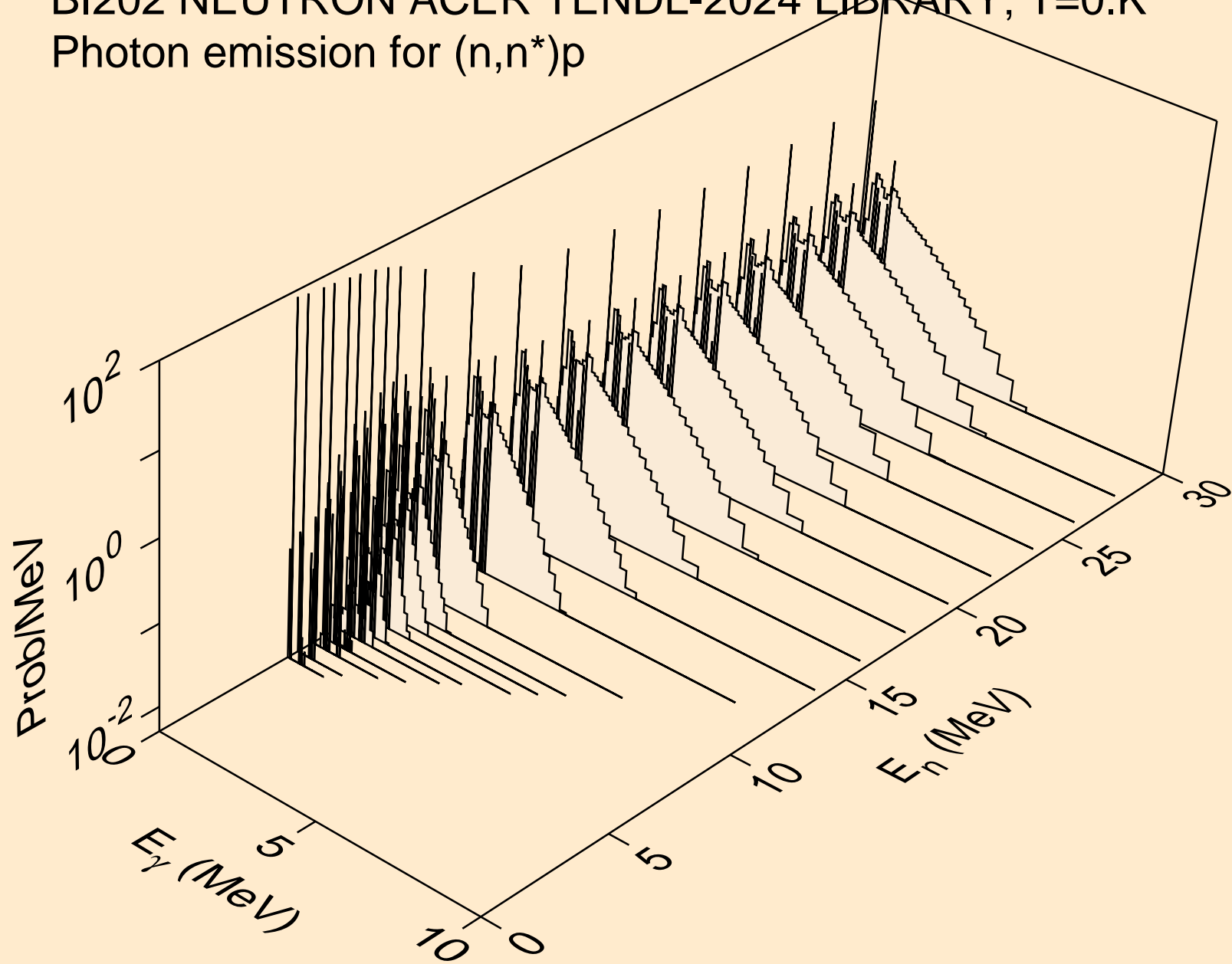
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Photon emission for (n,2n)a



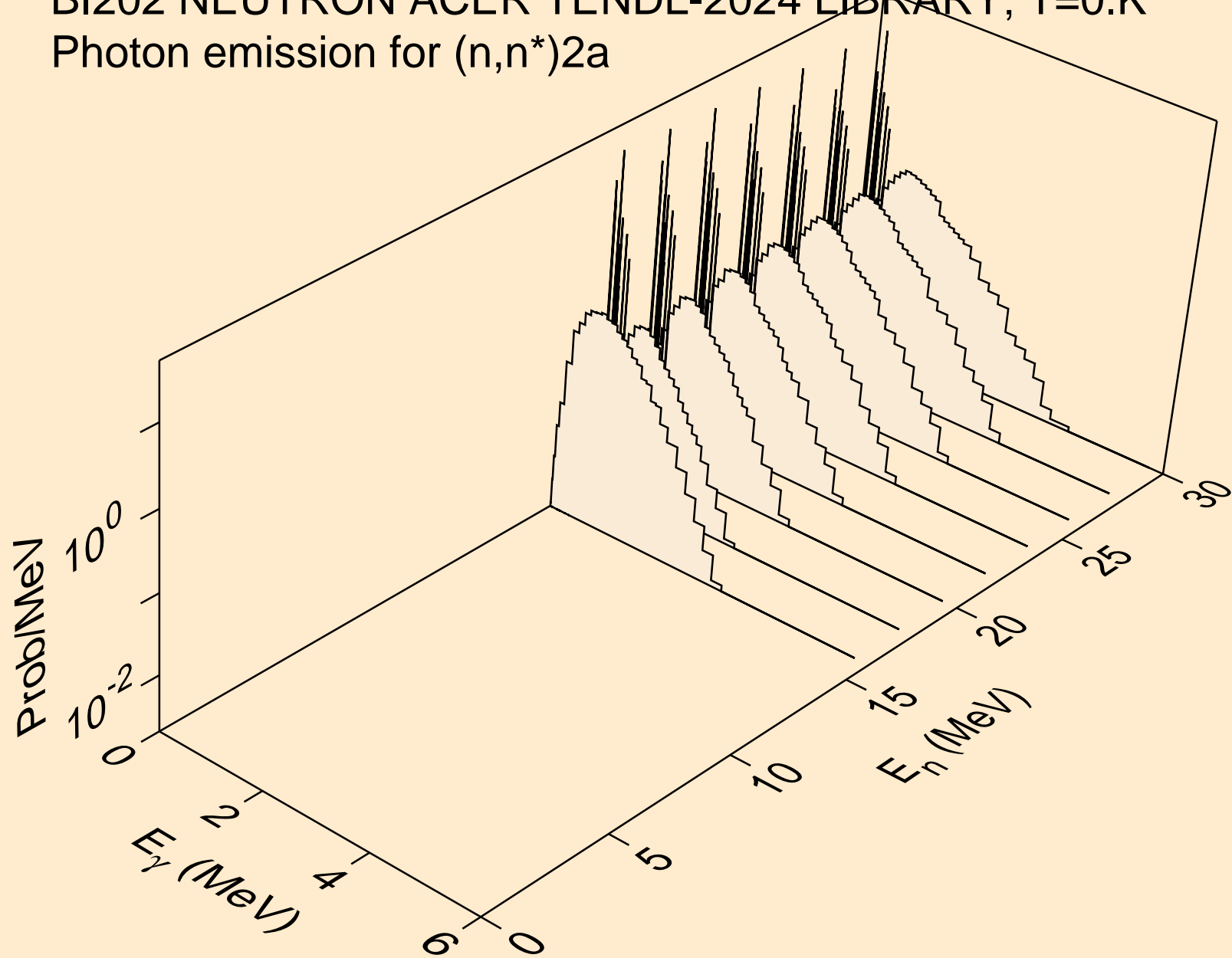
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Photon emission for (n,3n)a



BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

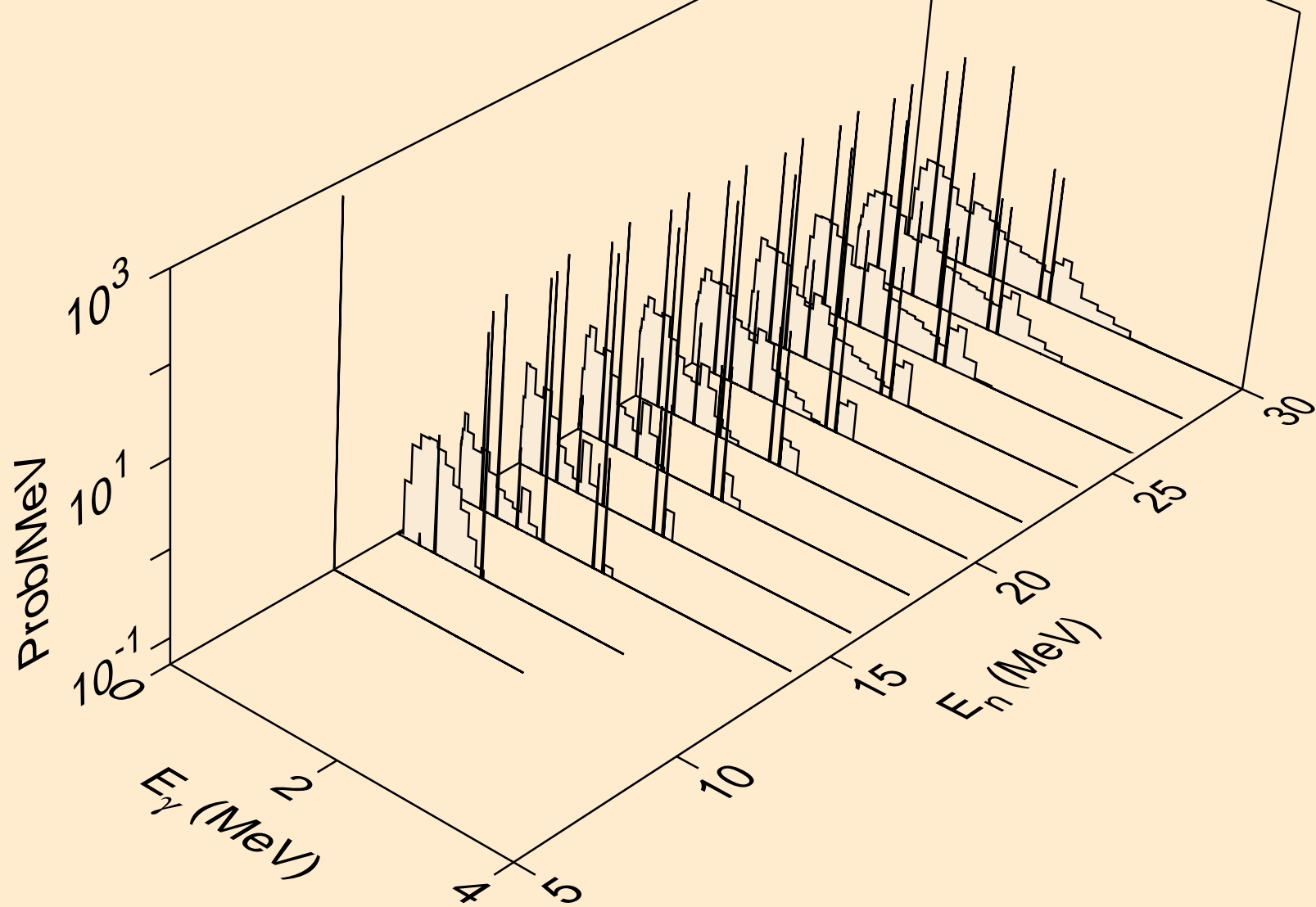


BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

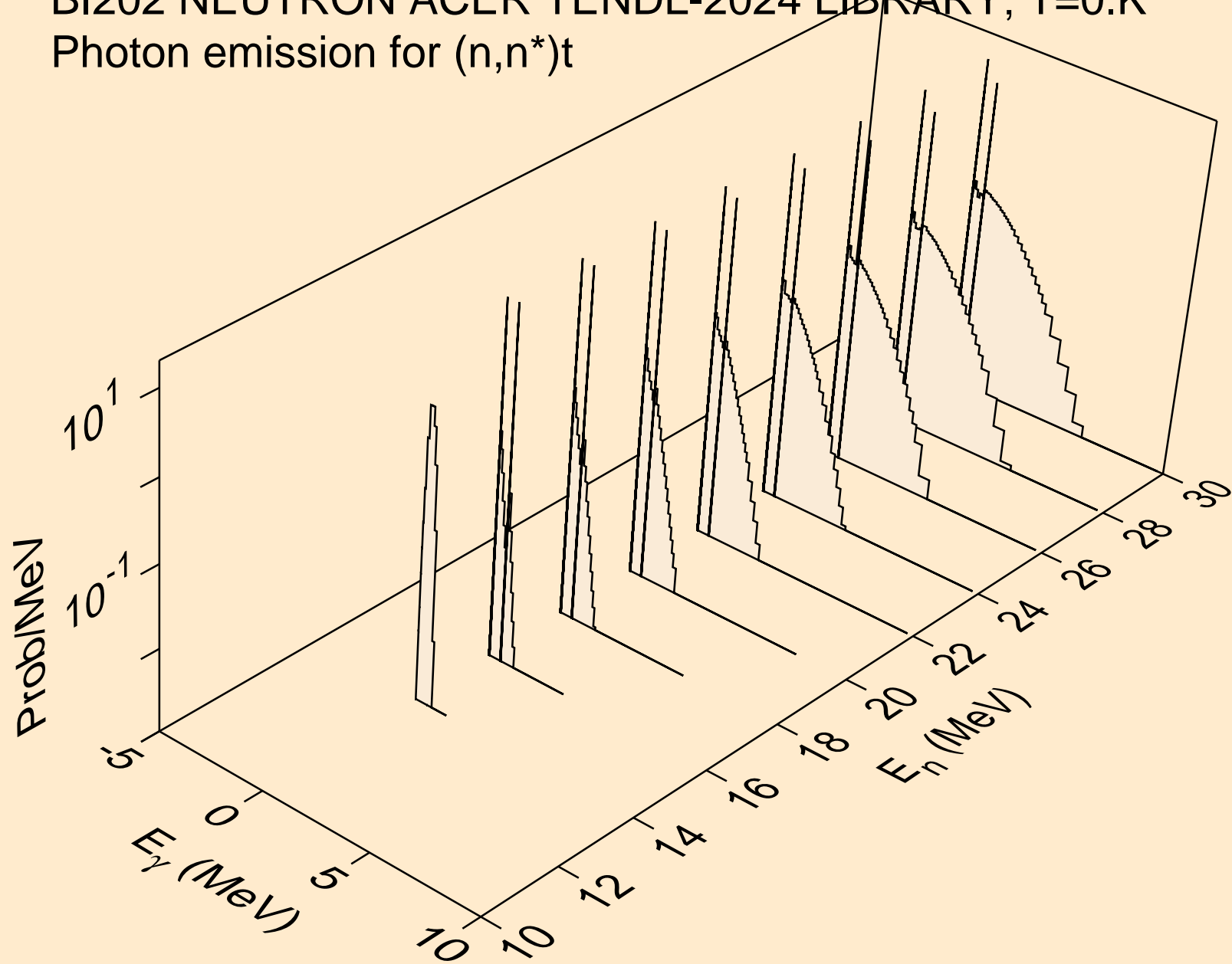




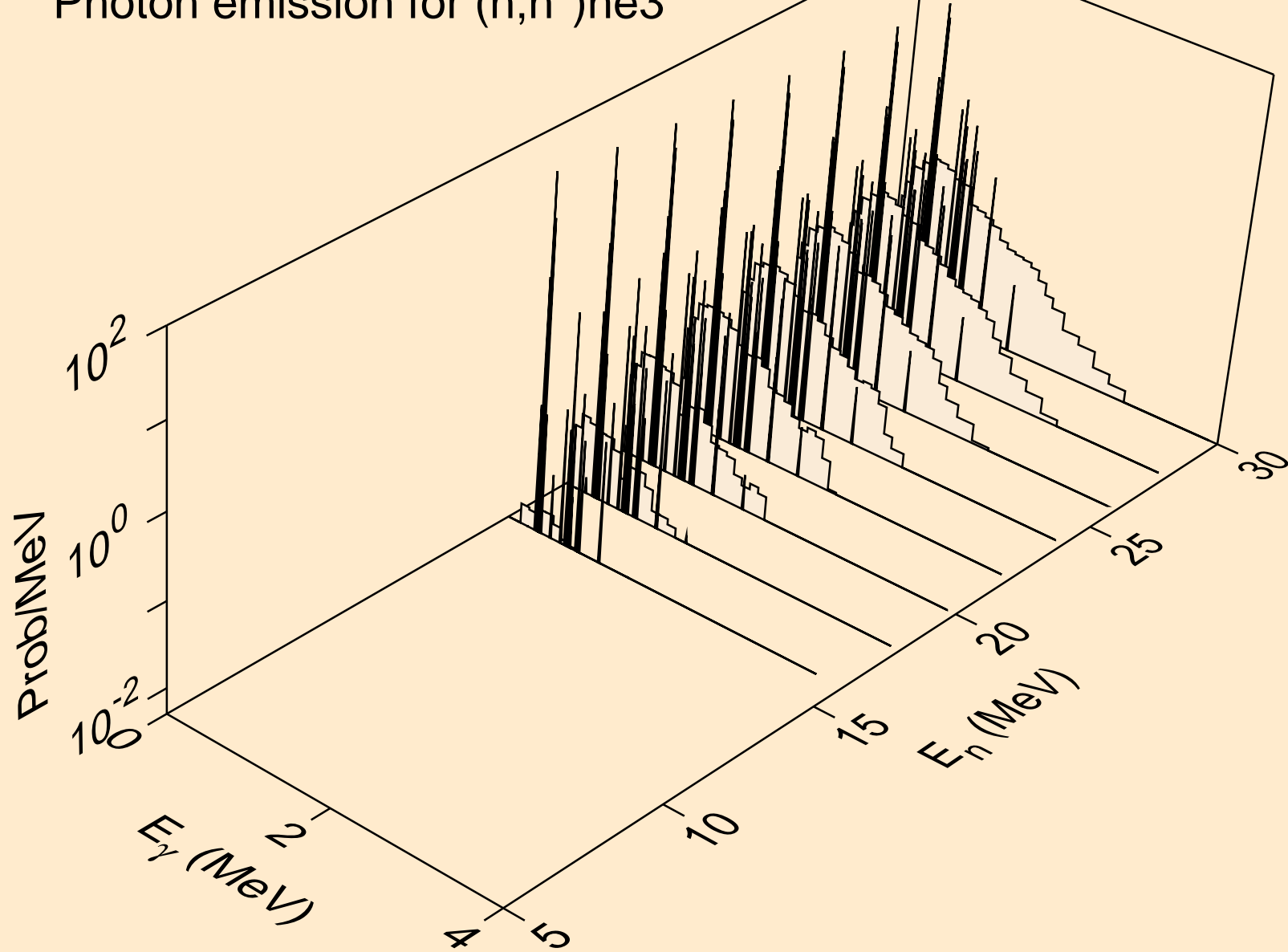
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Photon emission for (n,n\*)d



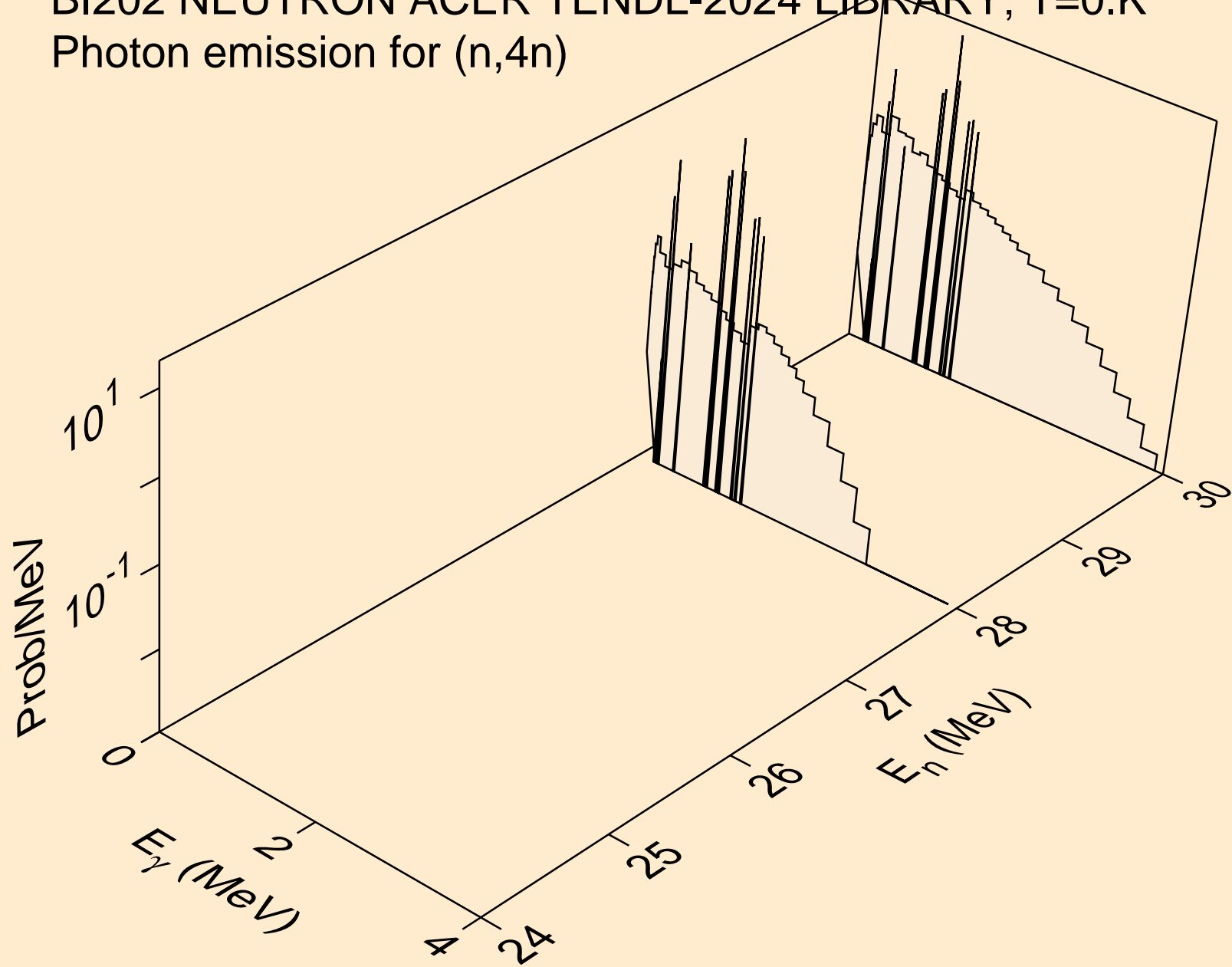
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Photon emission for (n,n\*)t



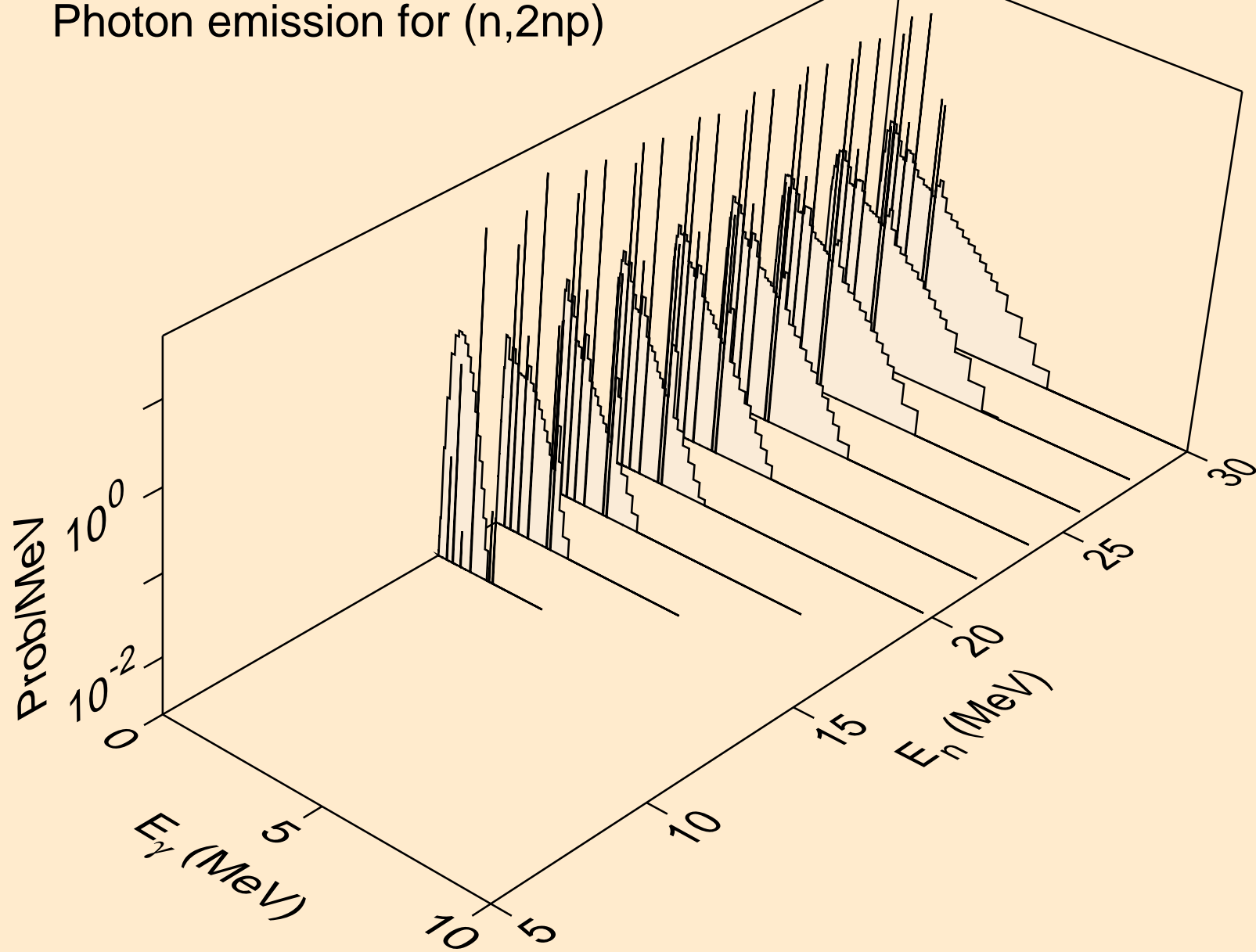
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Photon emission for (n,n\*)he3



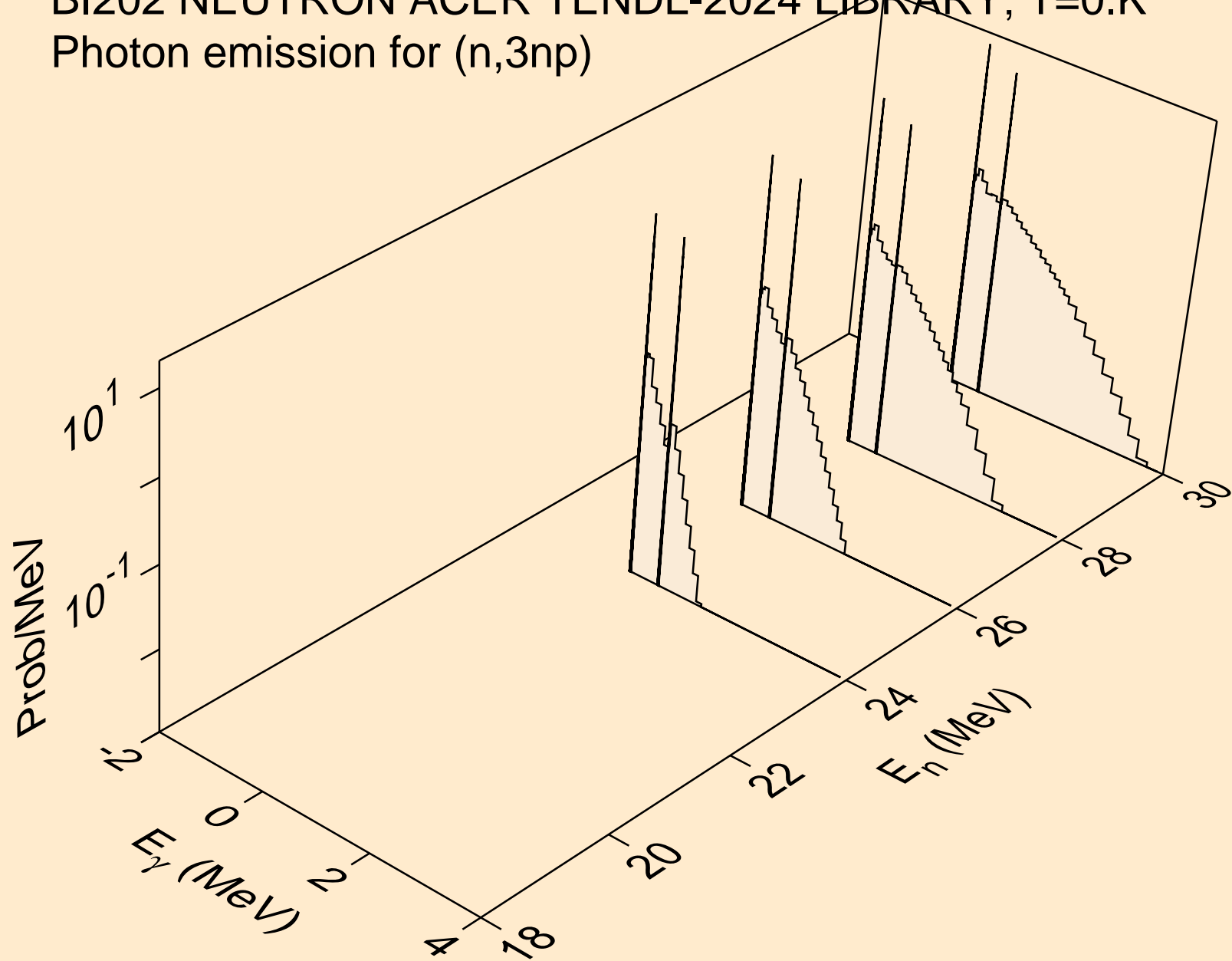
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Photon emission for (n,4n)



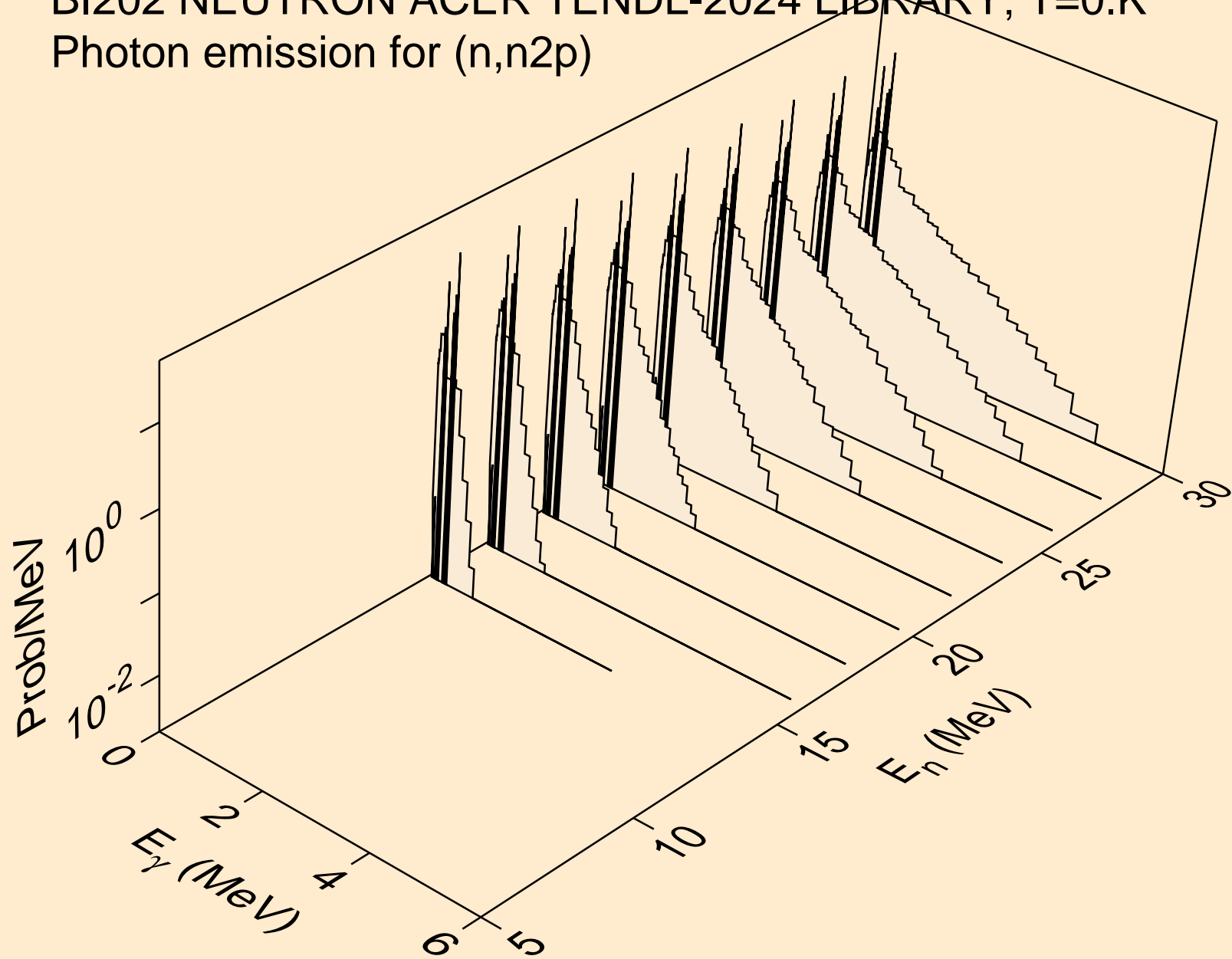
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Photon emission for (n,2np)



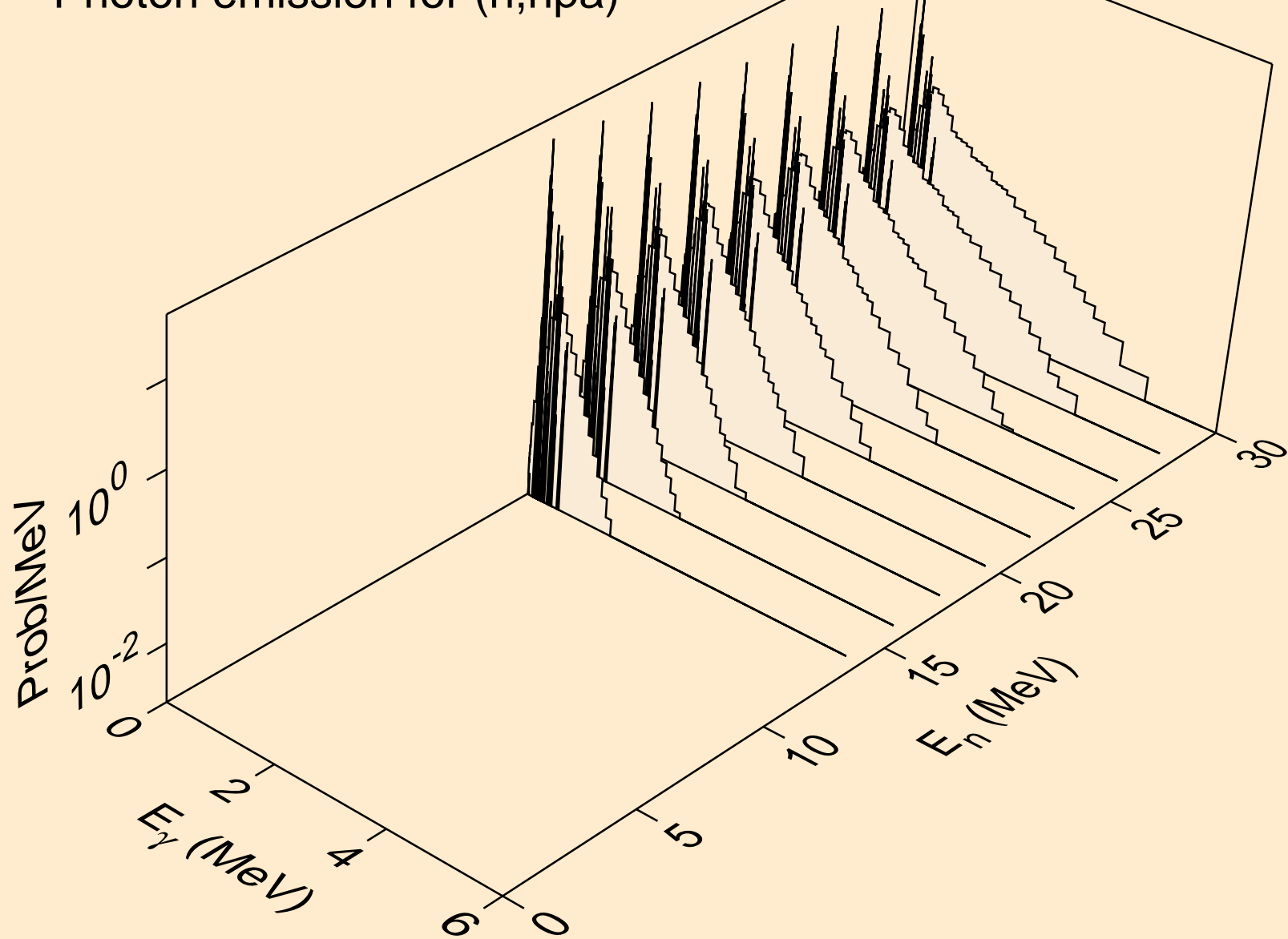
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Photon emission for (n,3np)



BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)

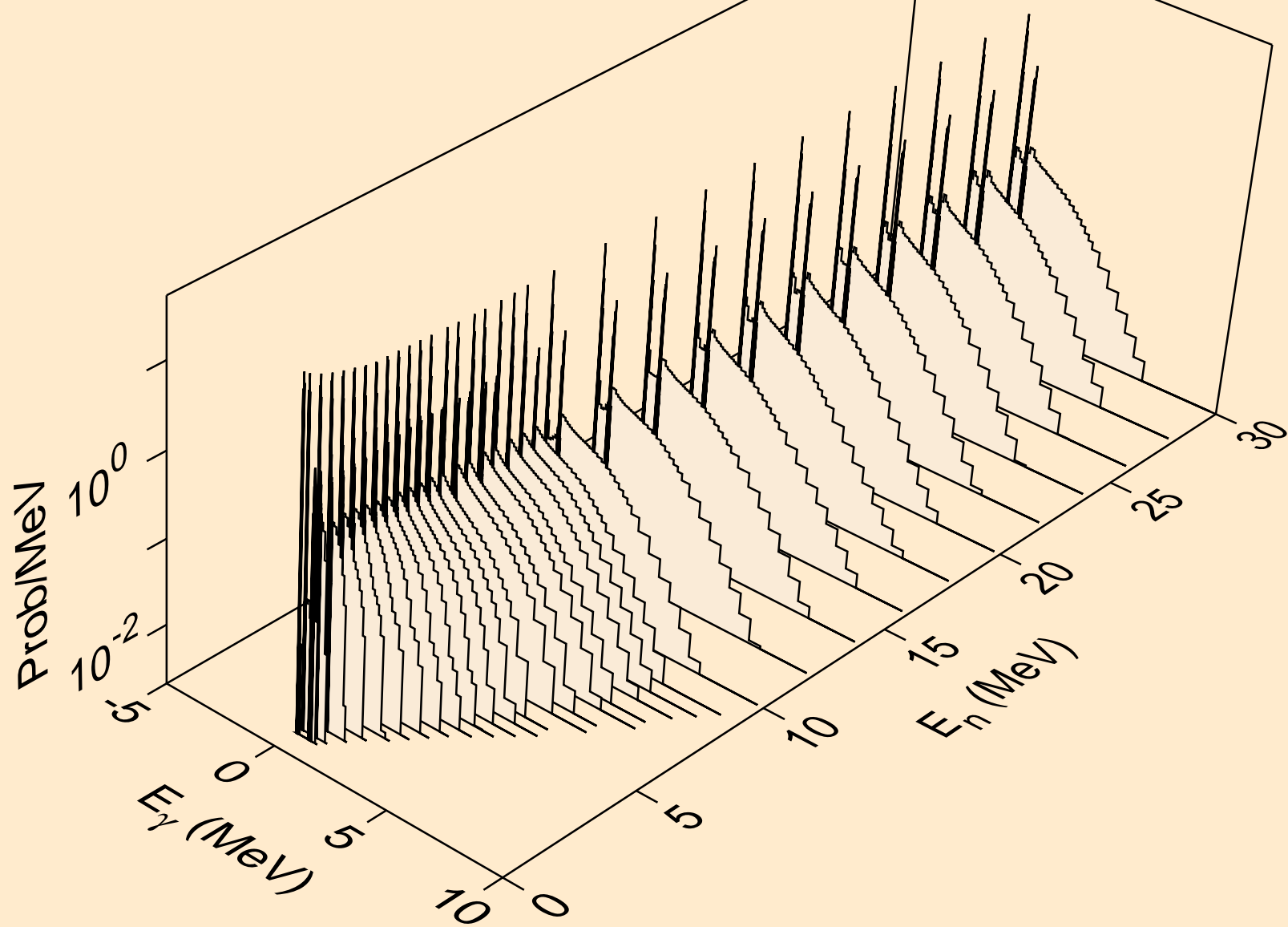


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Photon emission for (n,npa)

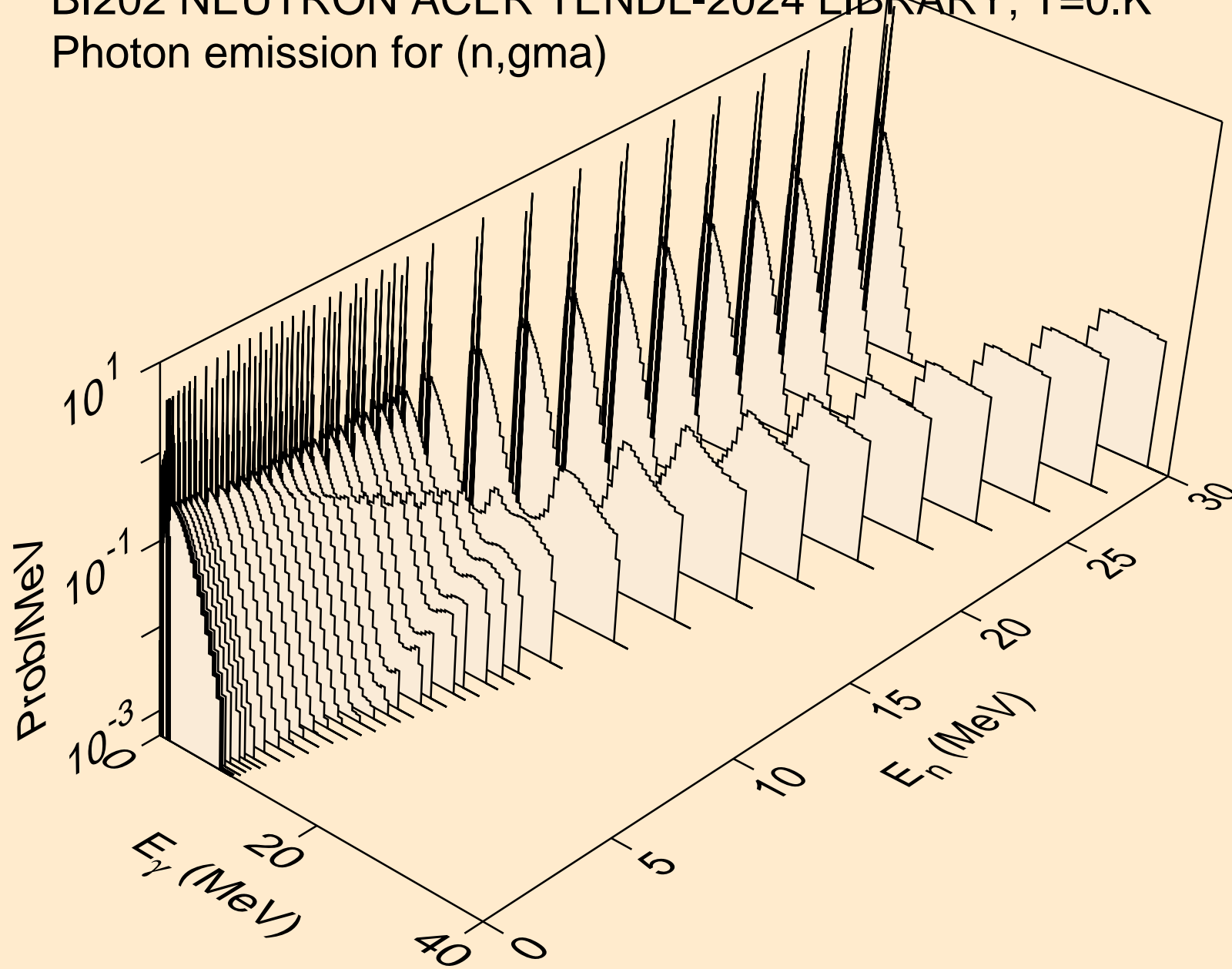




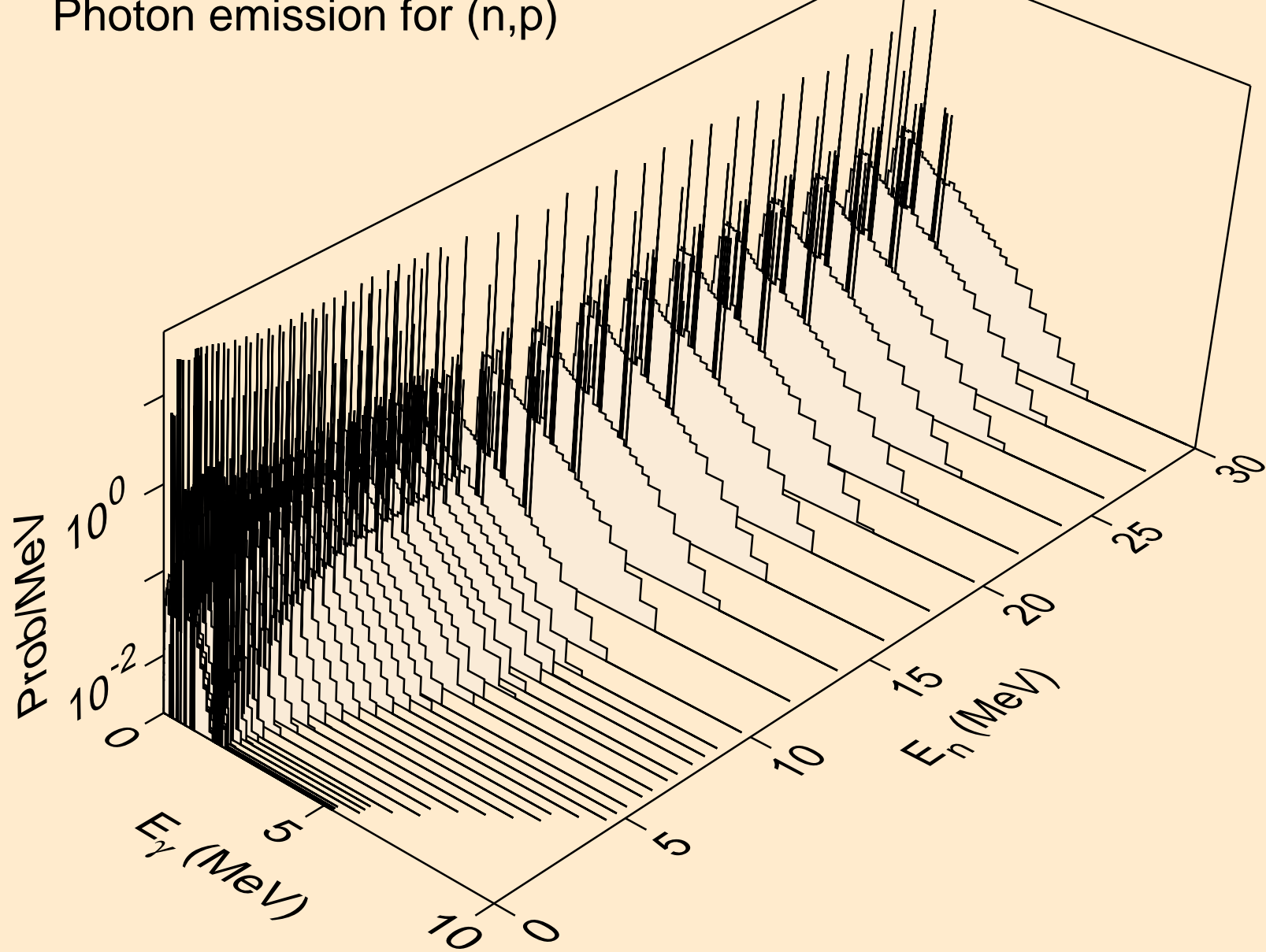
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Photon emission for (n,n\*c)



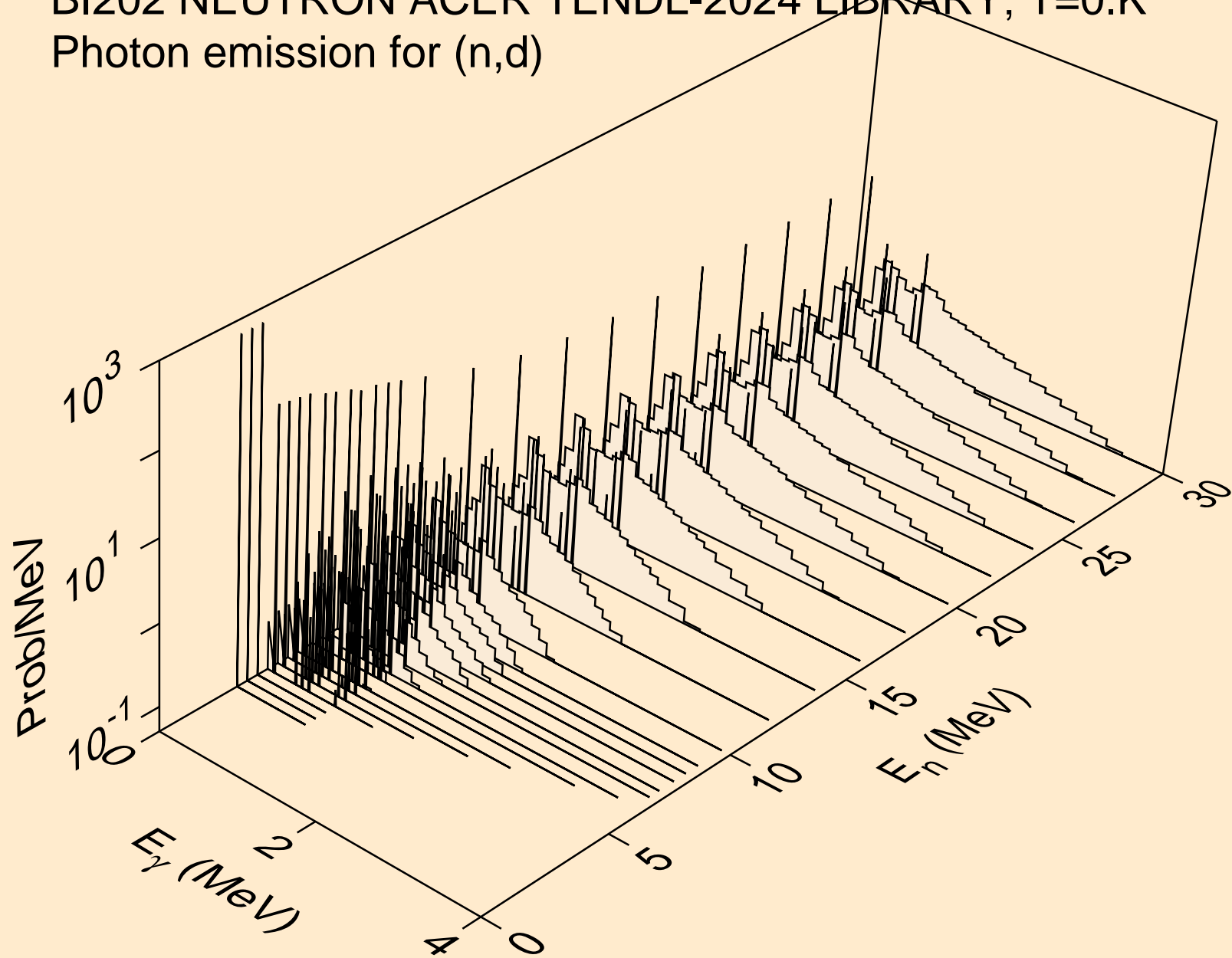
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Photon emission for (n,gma)



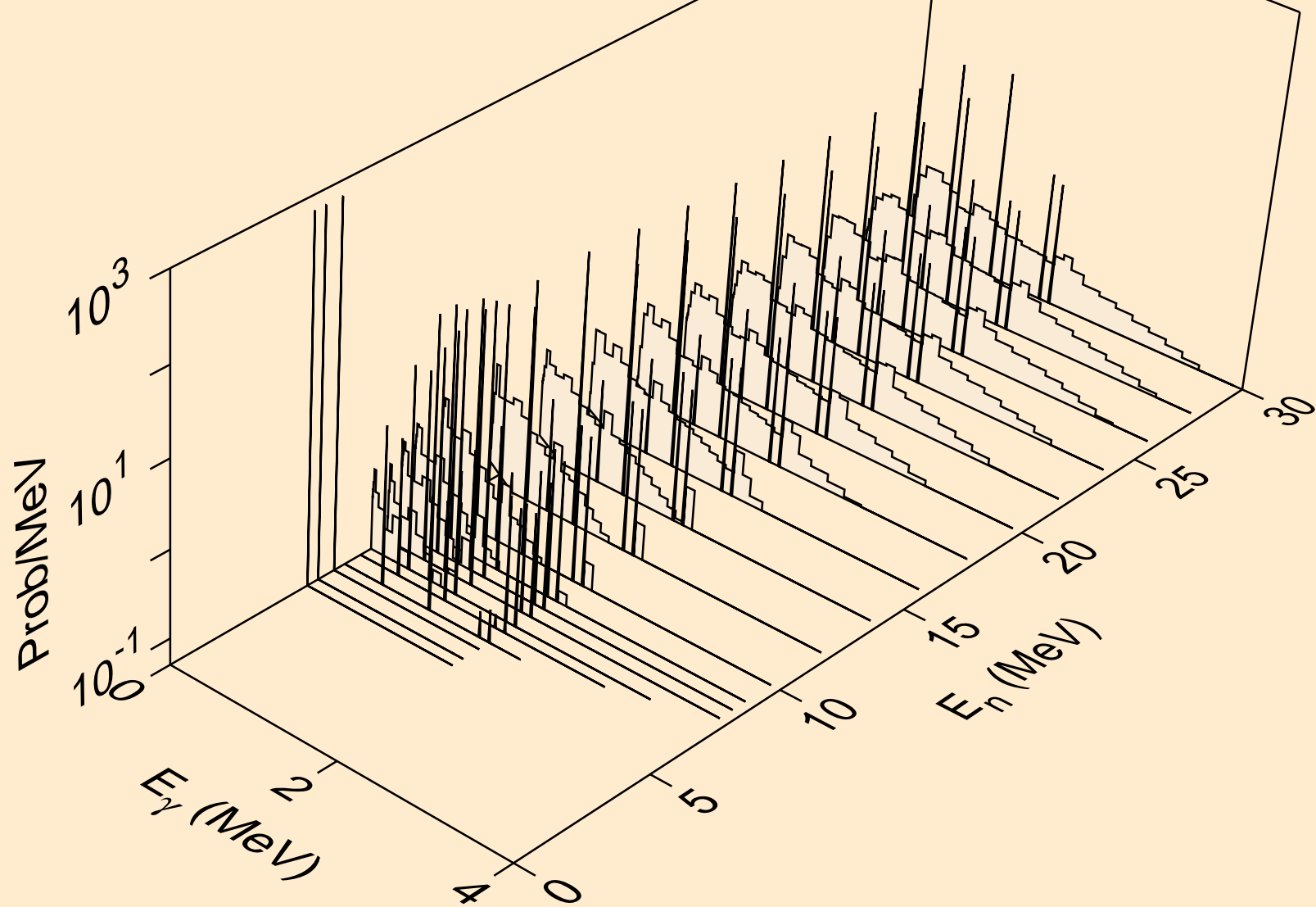
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Photon emission for (n,p)



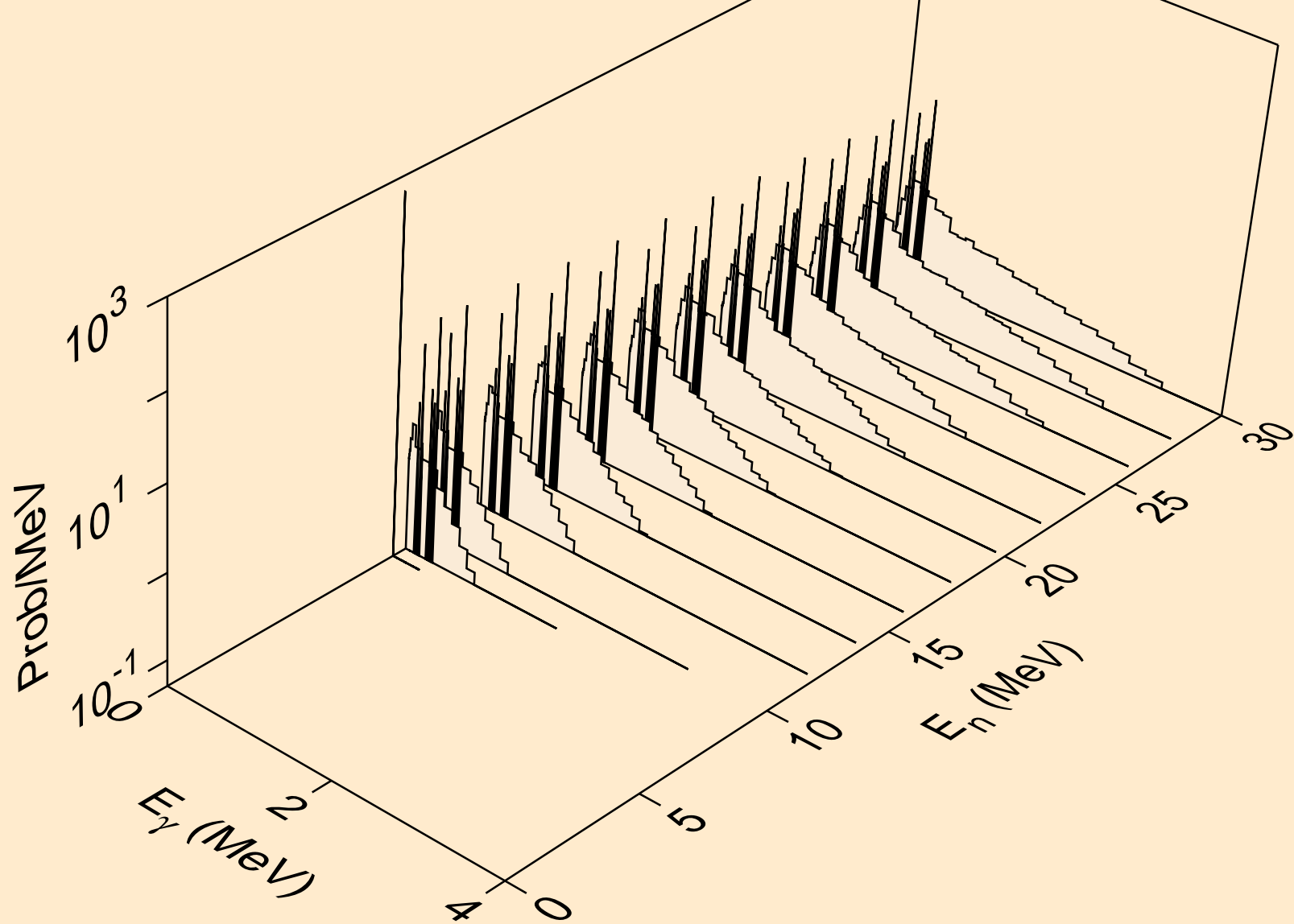
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Photon emission for (n,d)



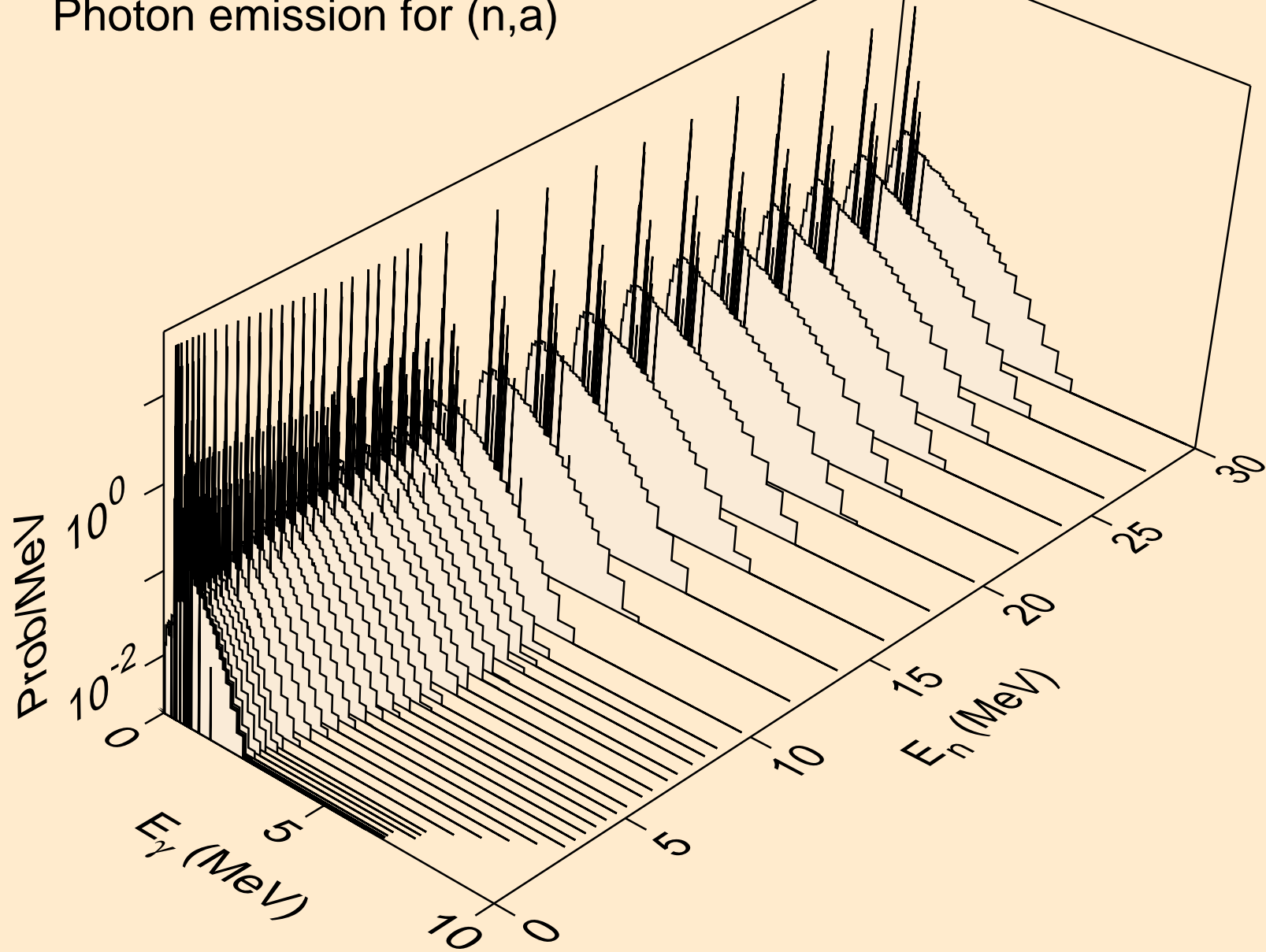
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Photon emission for (n,t)



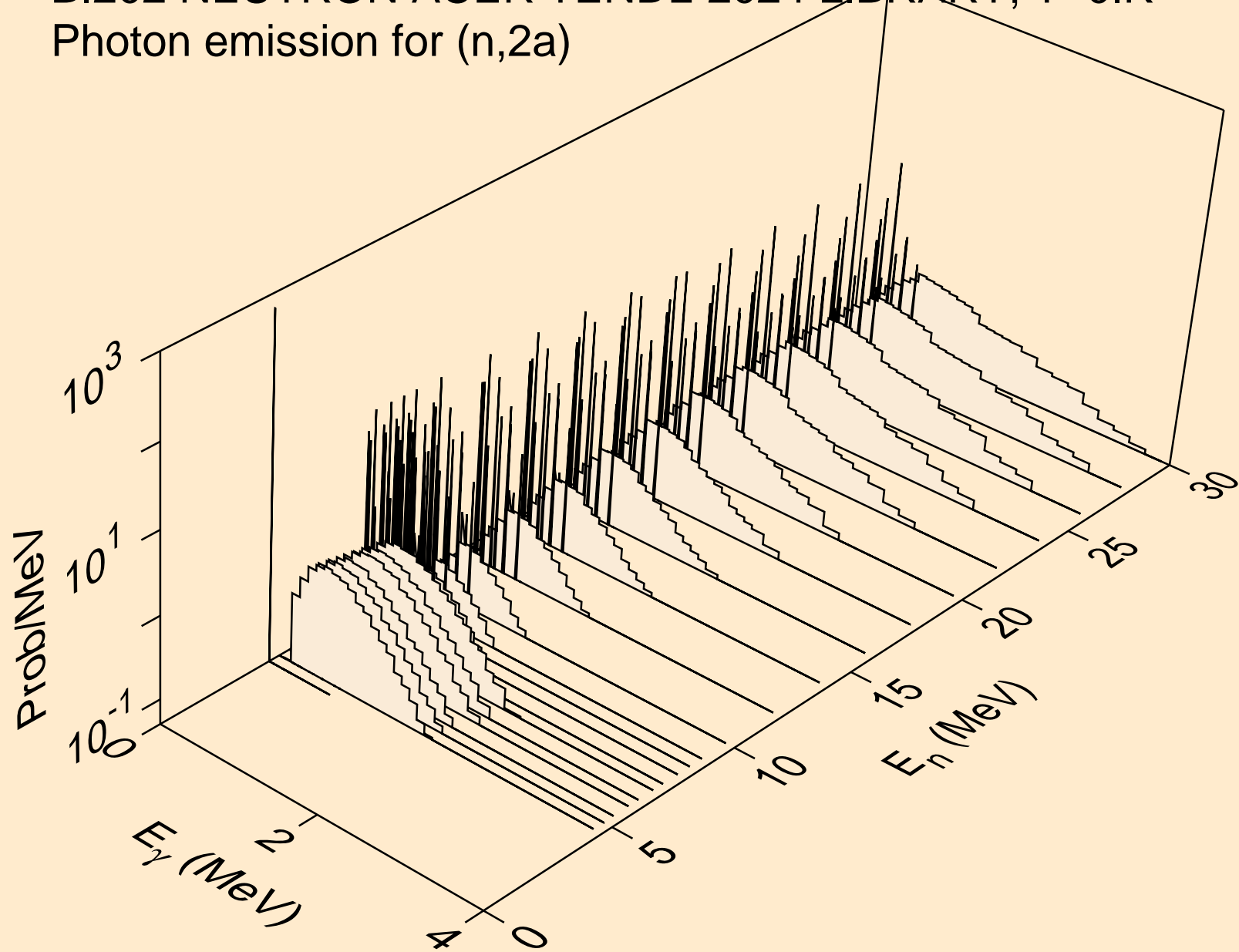
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Photon emission for (n,he3)



BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)

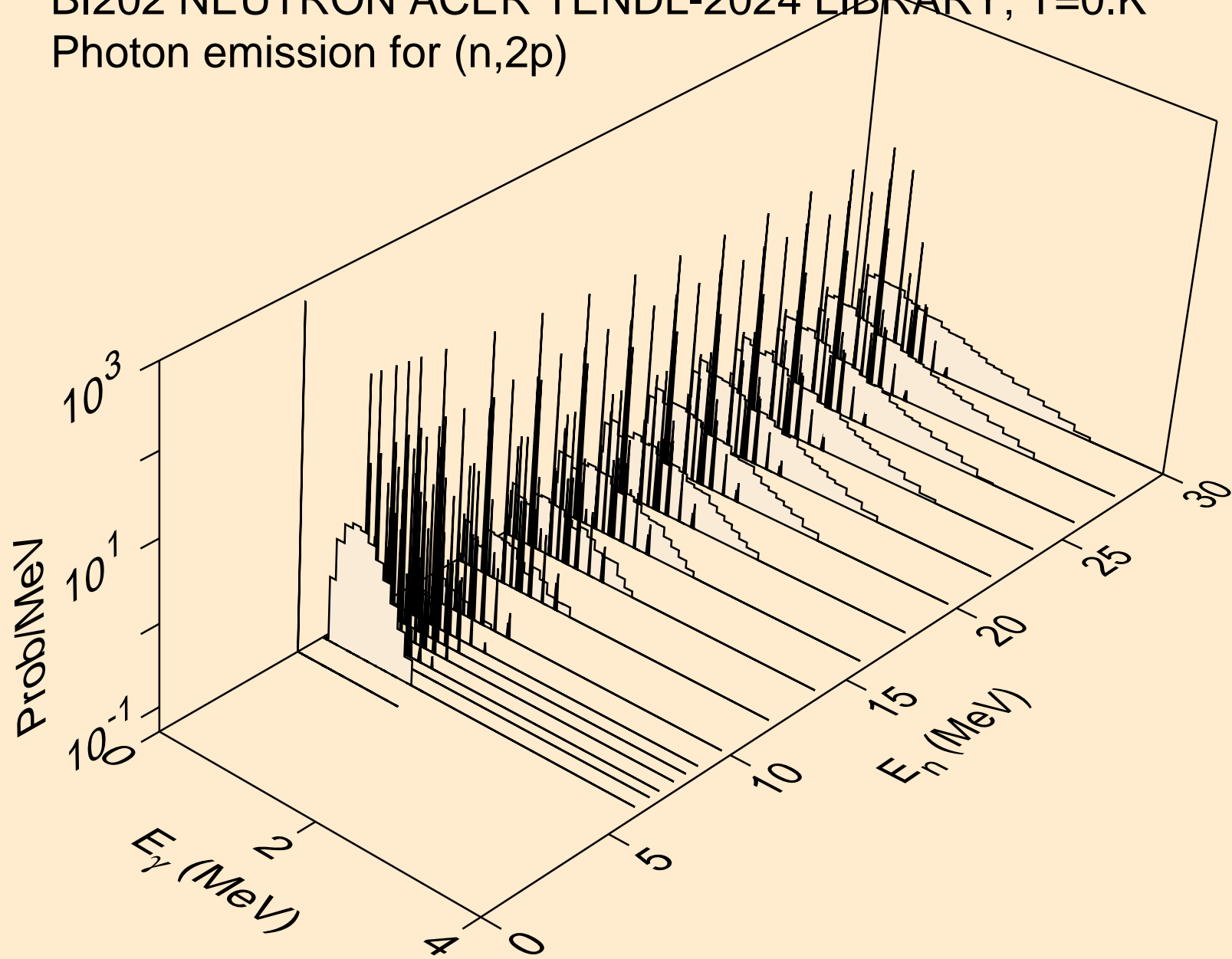


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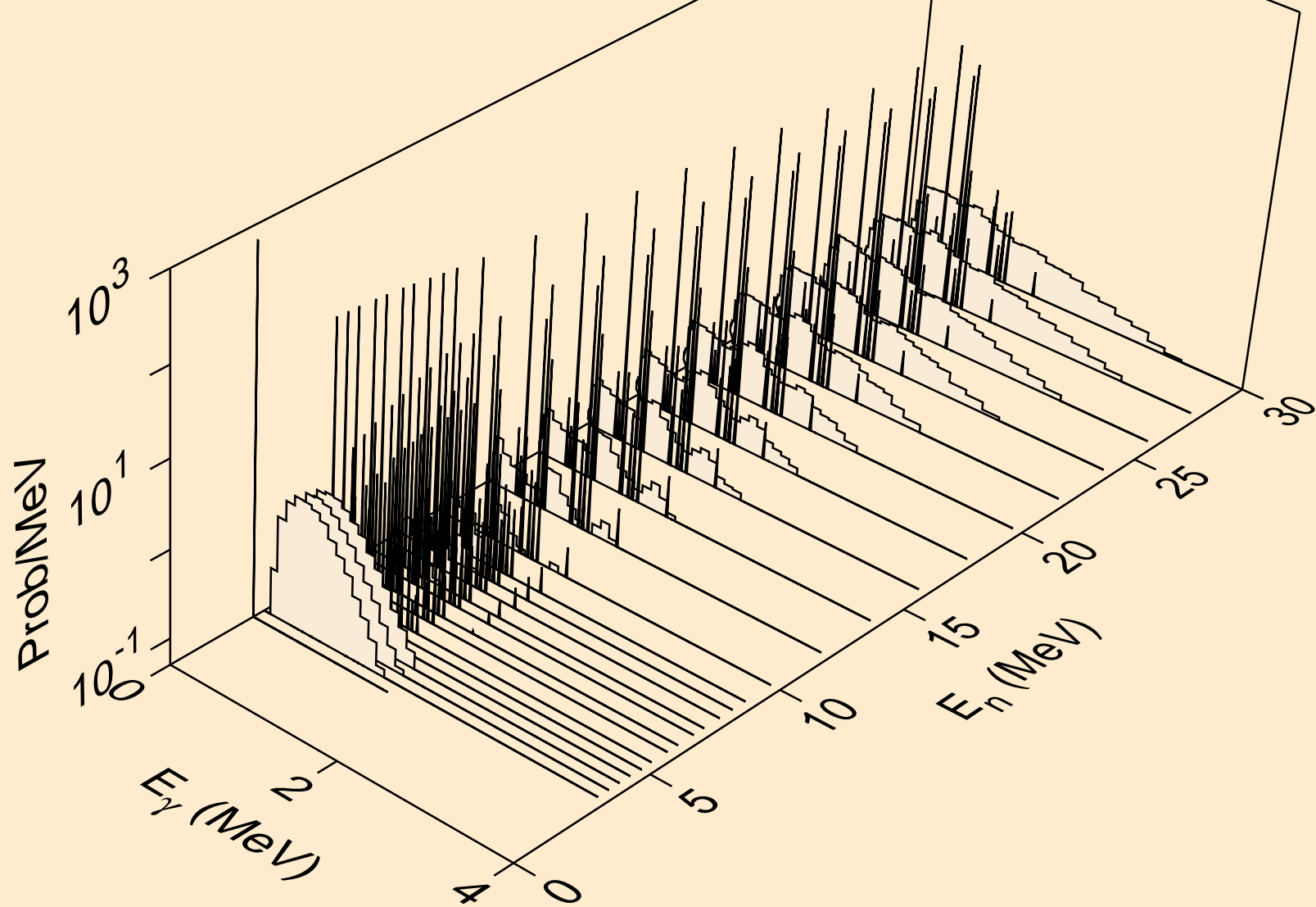




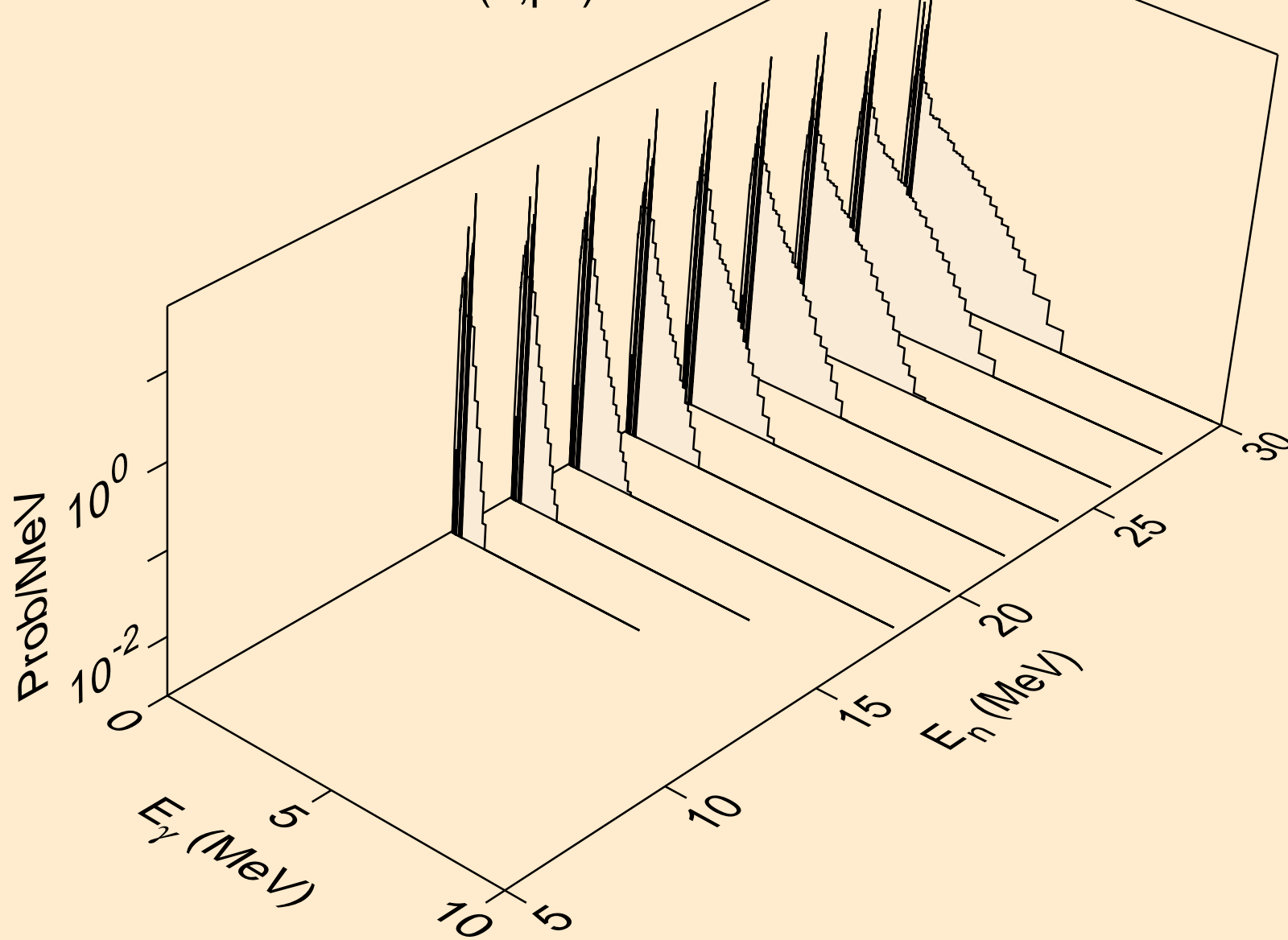
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Photon emission for (n,2p)



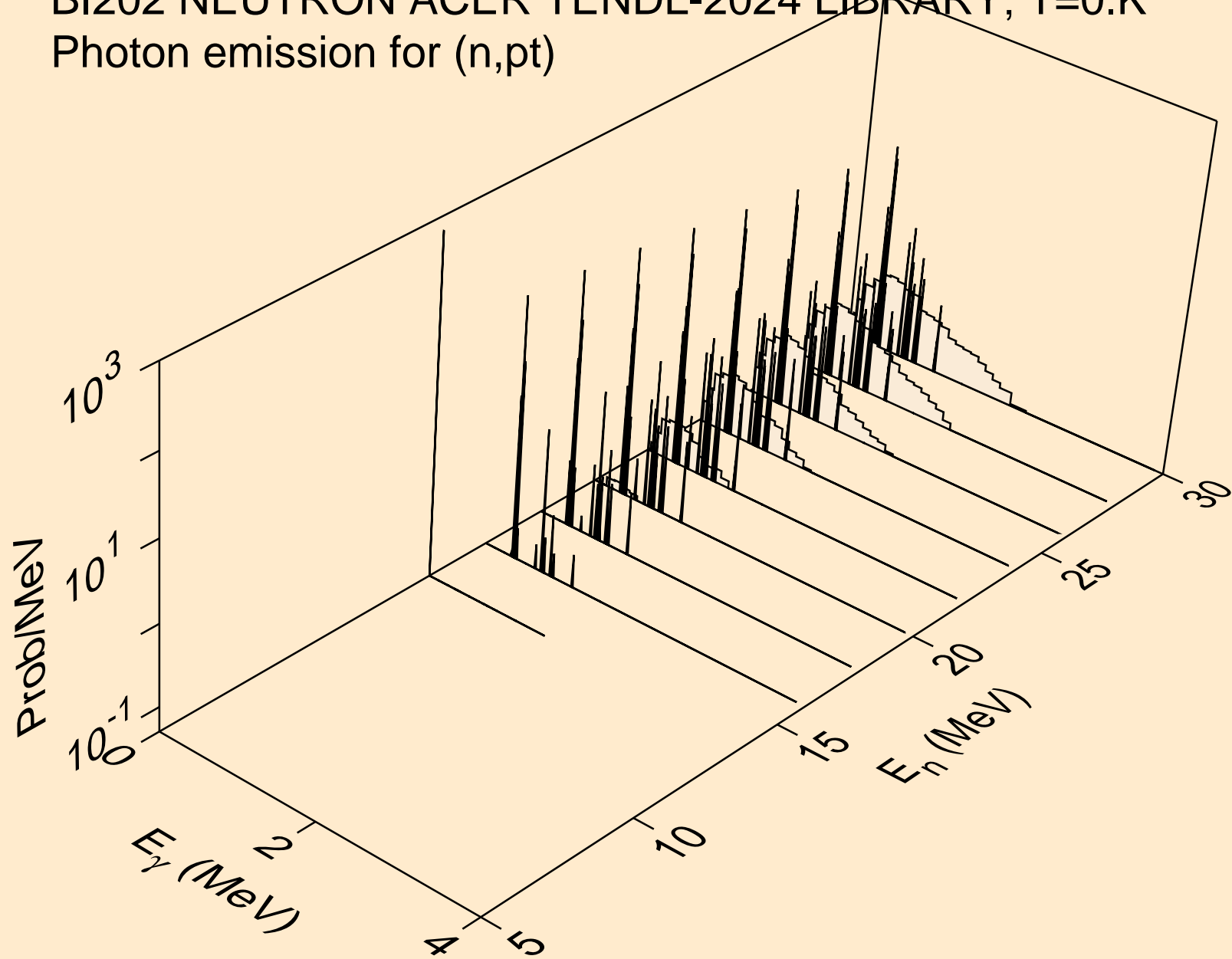
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Photon emission for (n,p $\alpha$ )



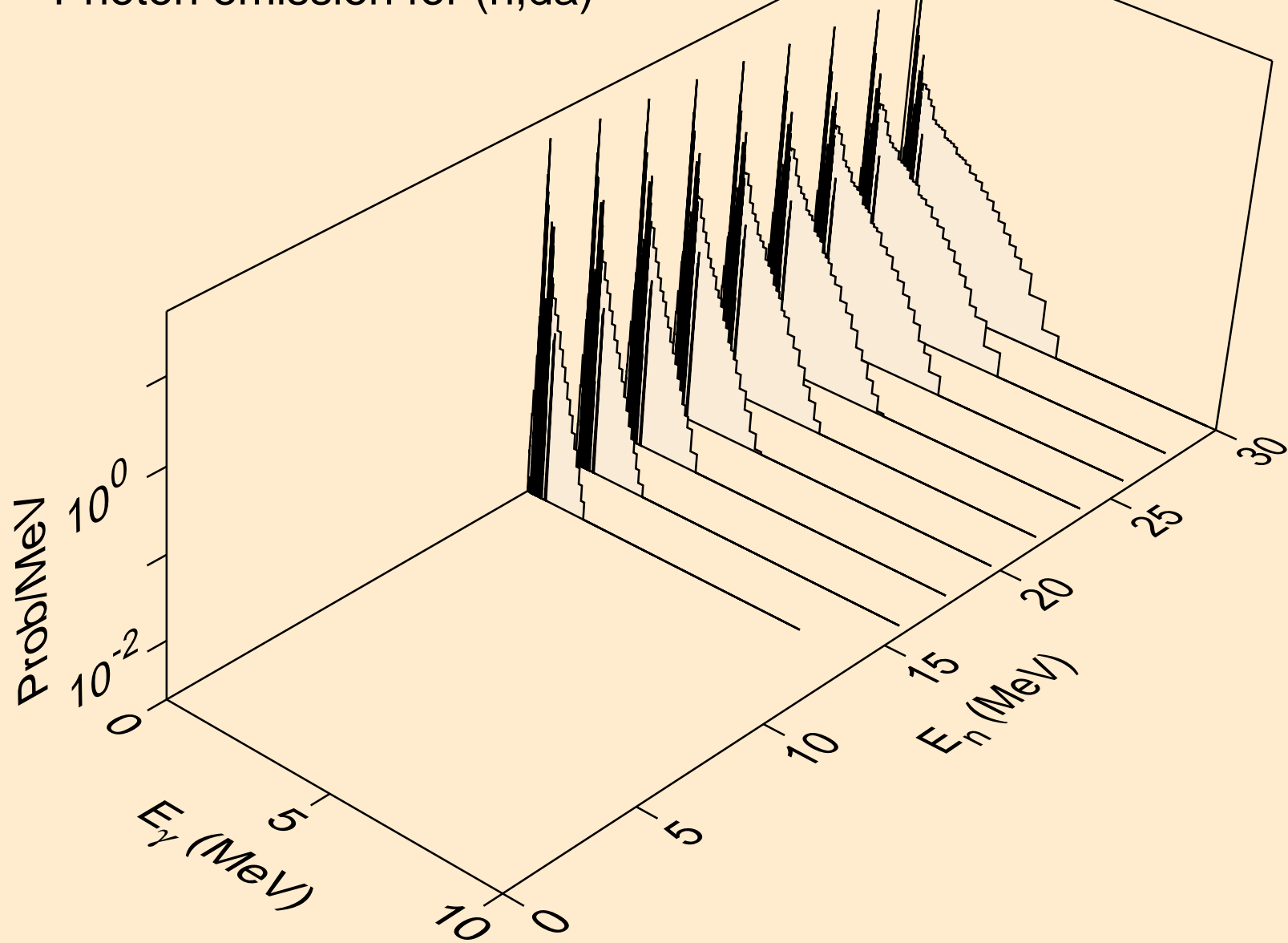
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Photon emission for (n,pd)



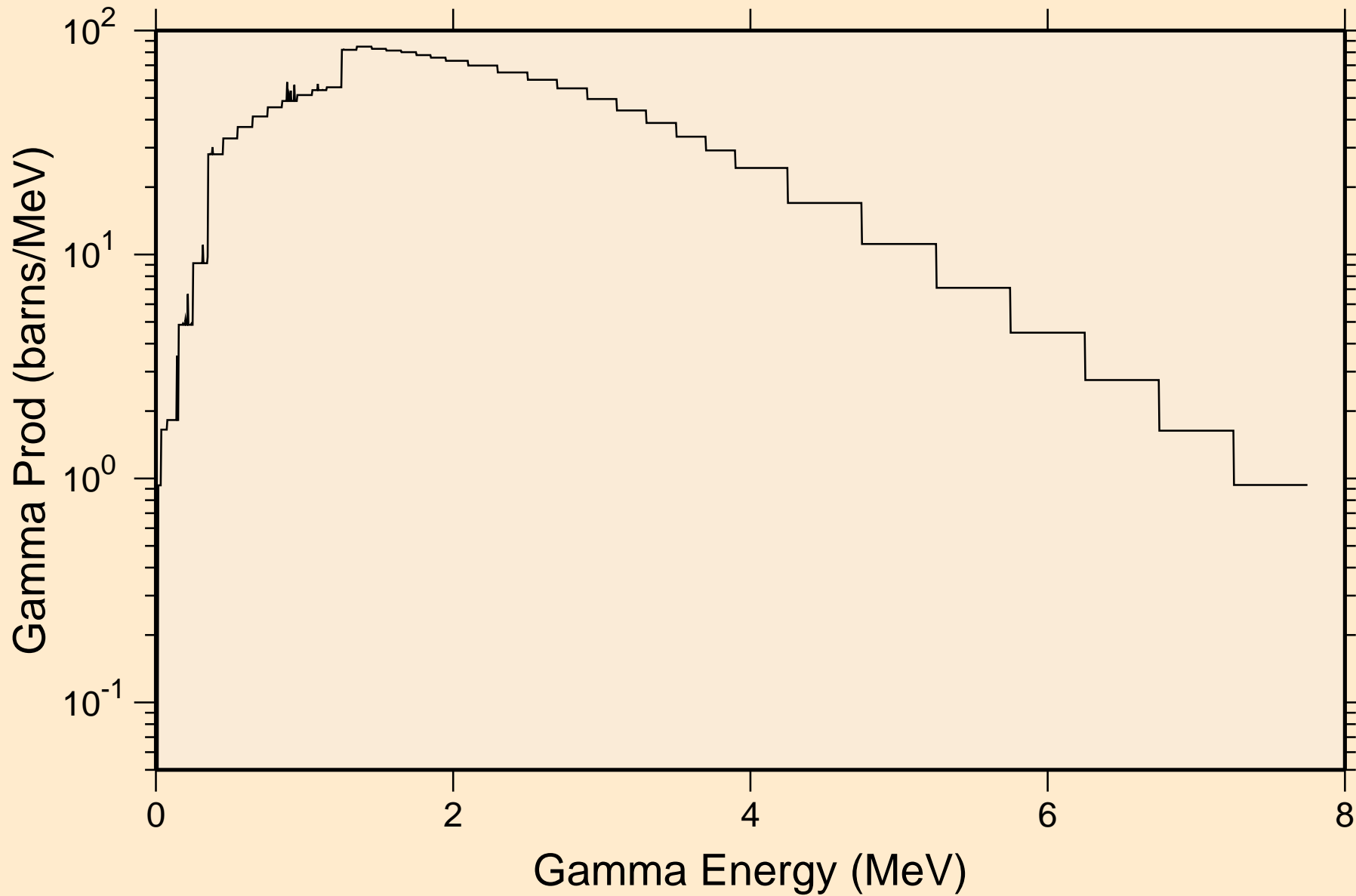
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Photon emission for (n,pt)



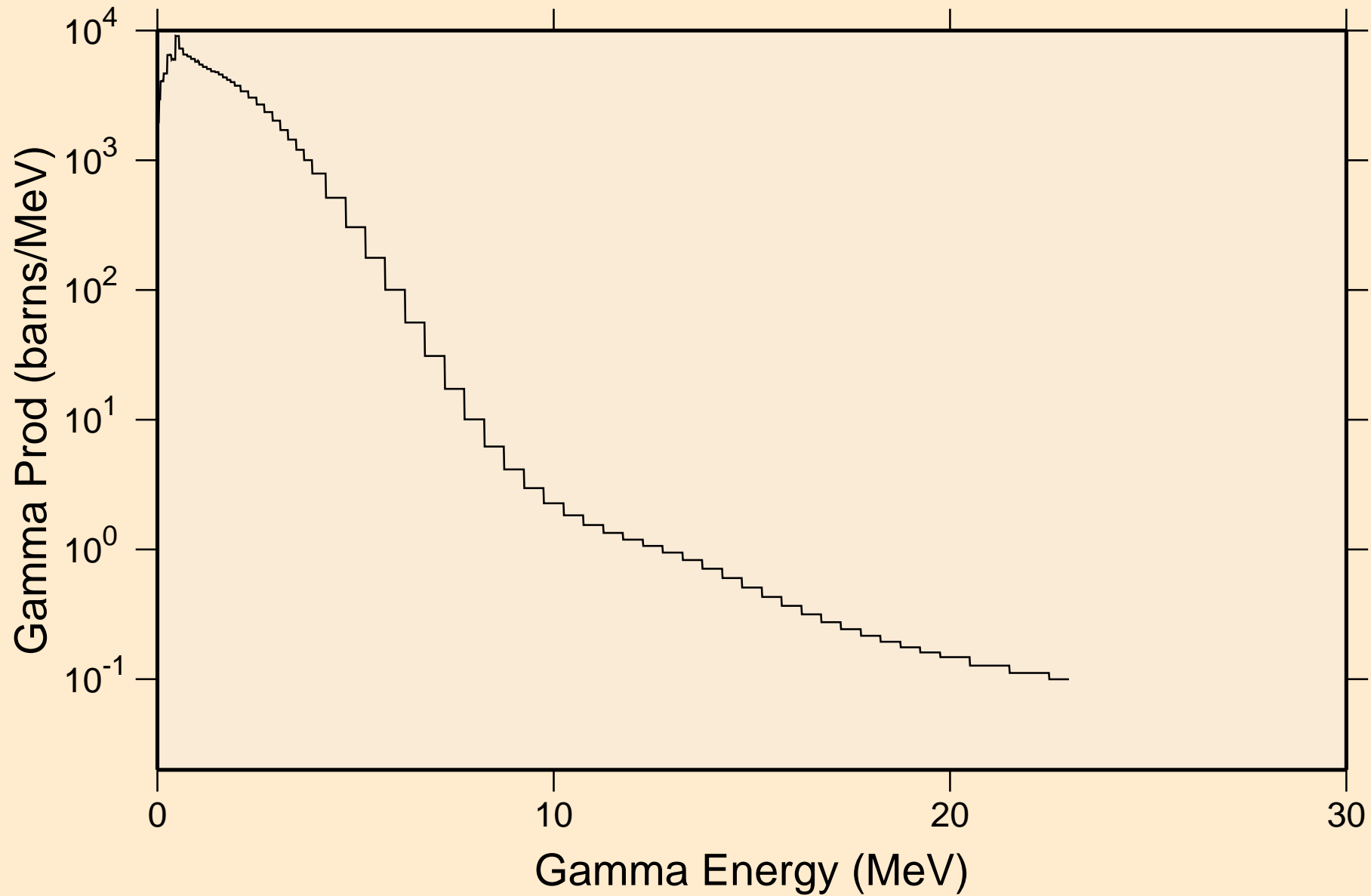
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

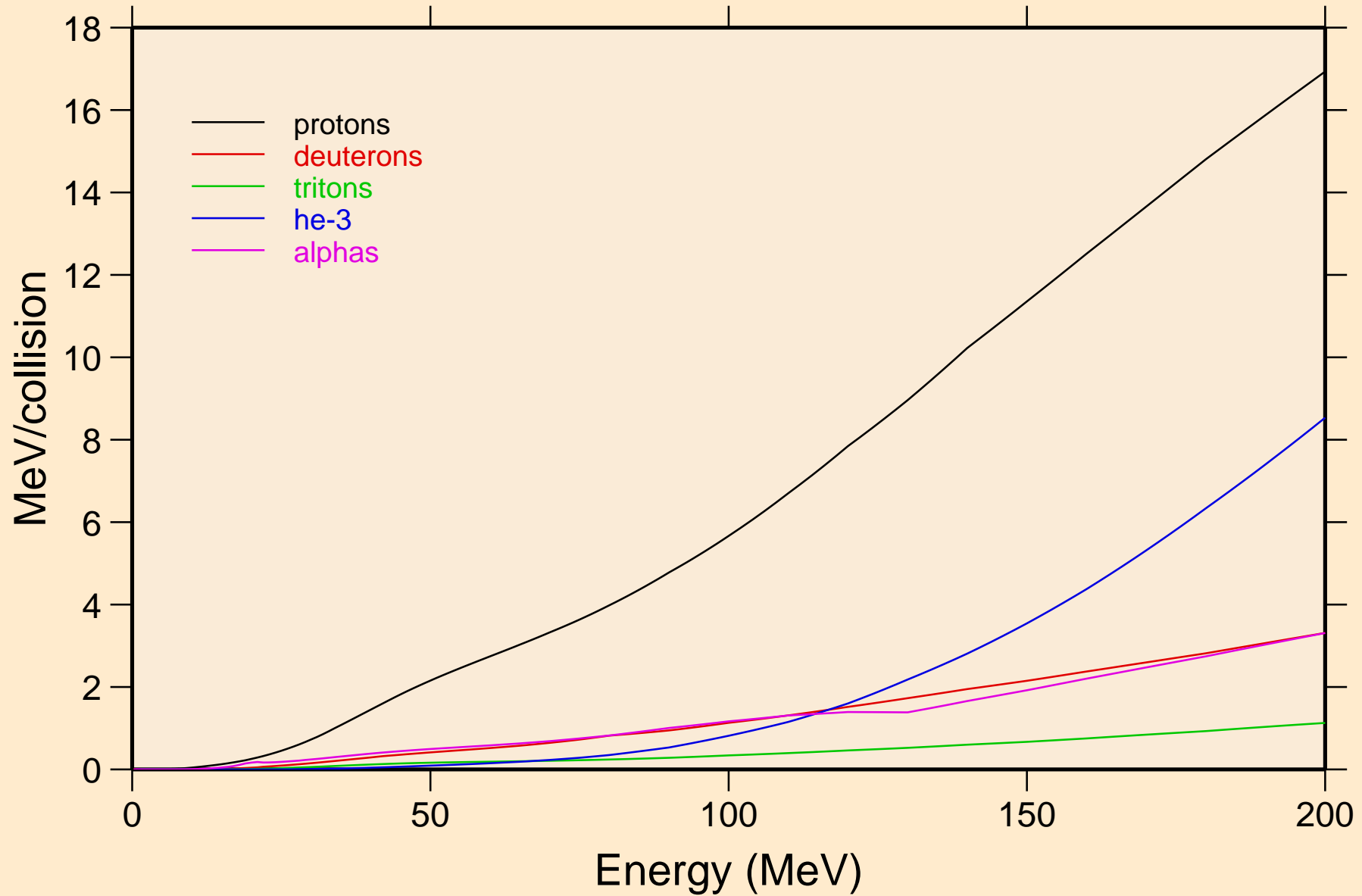


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14 MeV photon spectrum



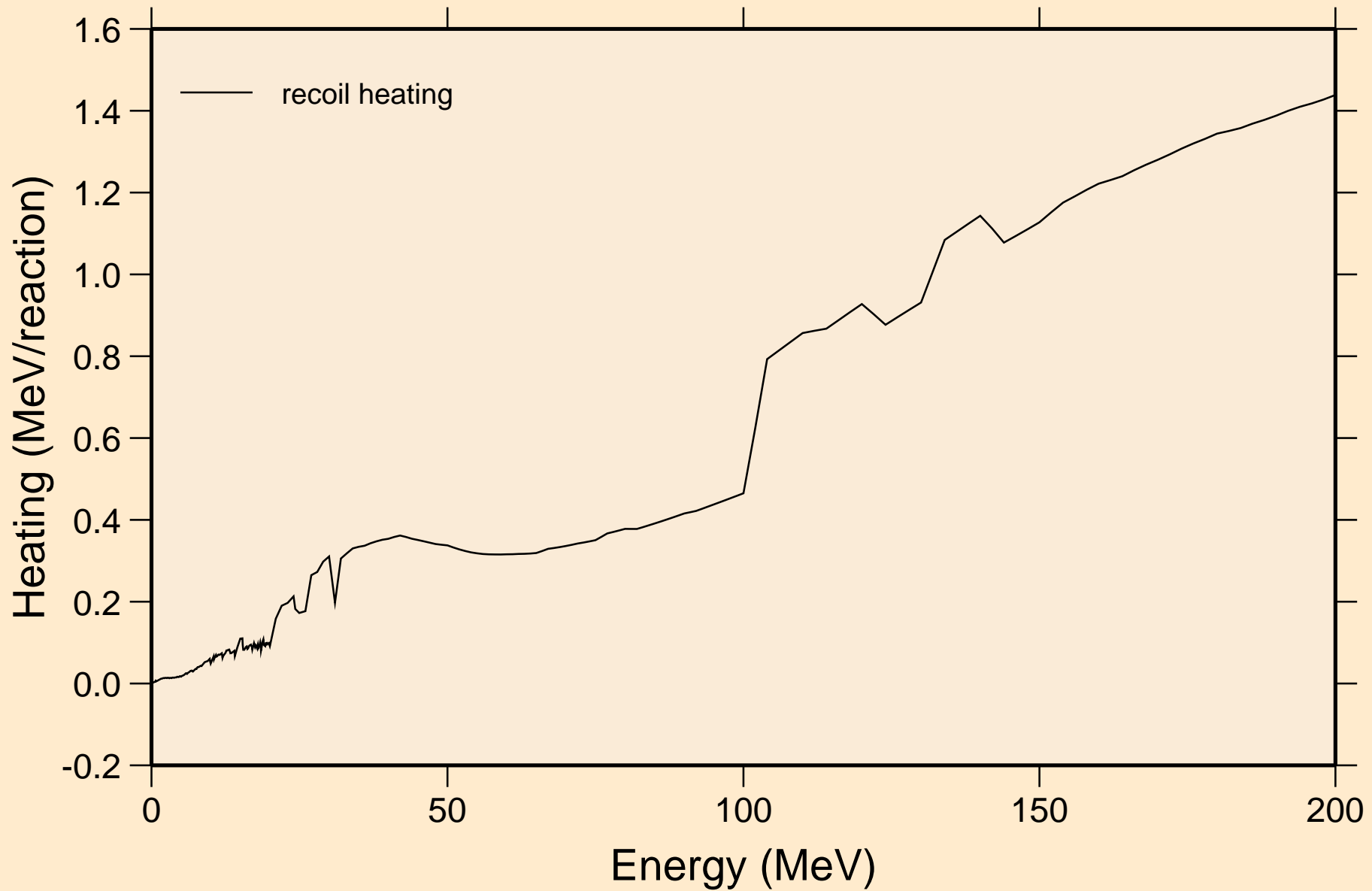
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## Particle heating contributions

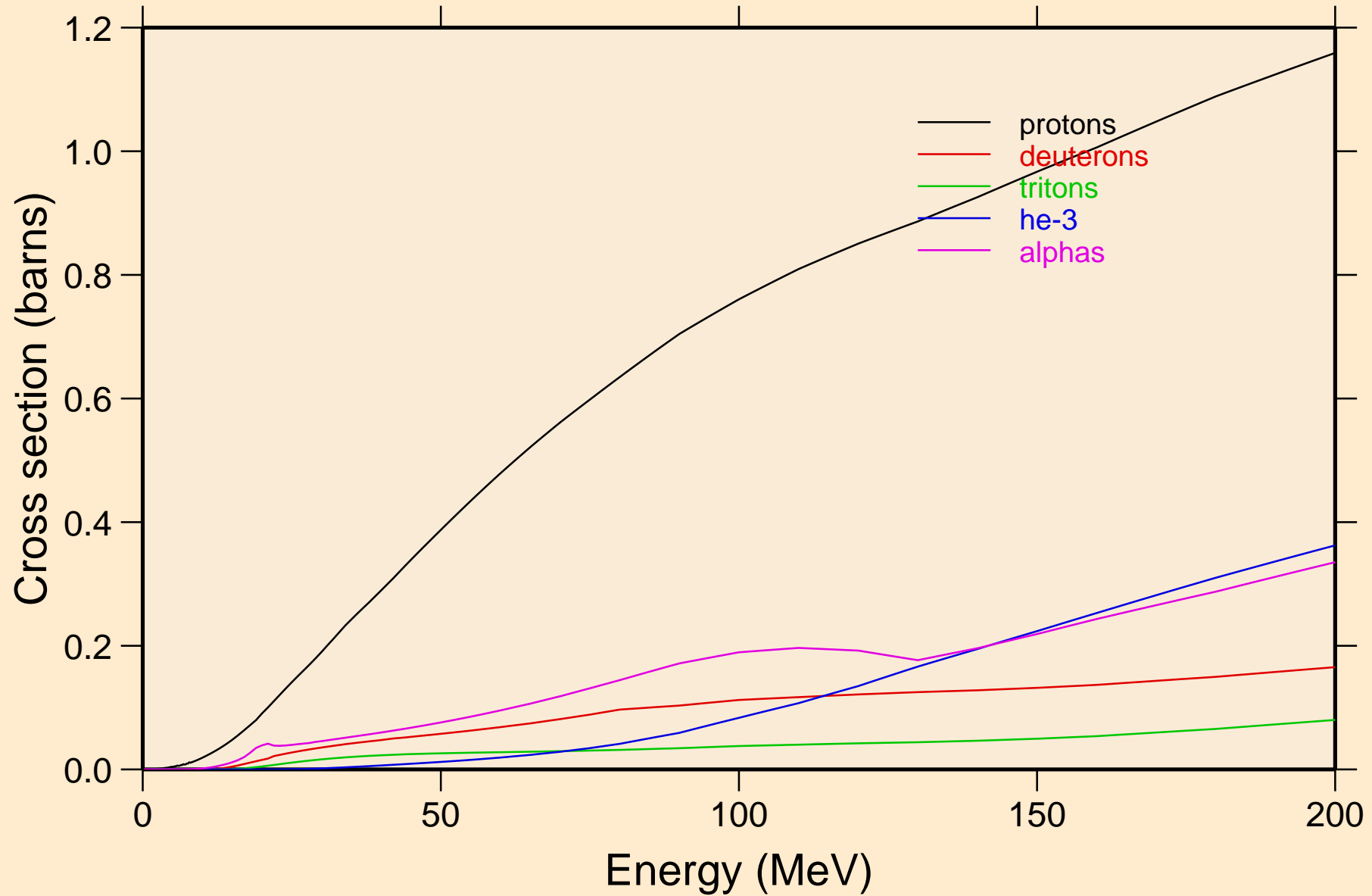




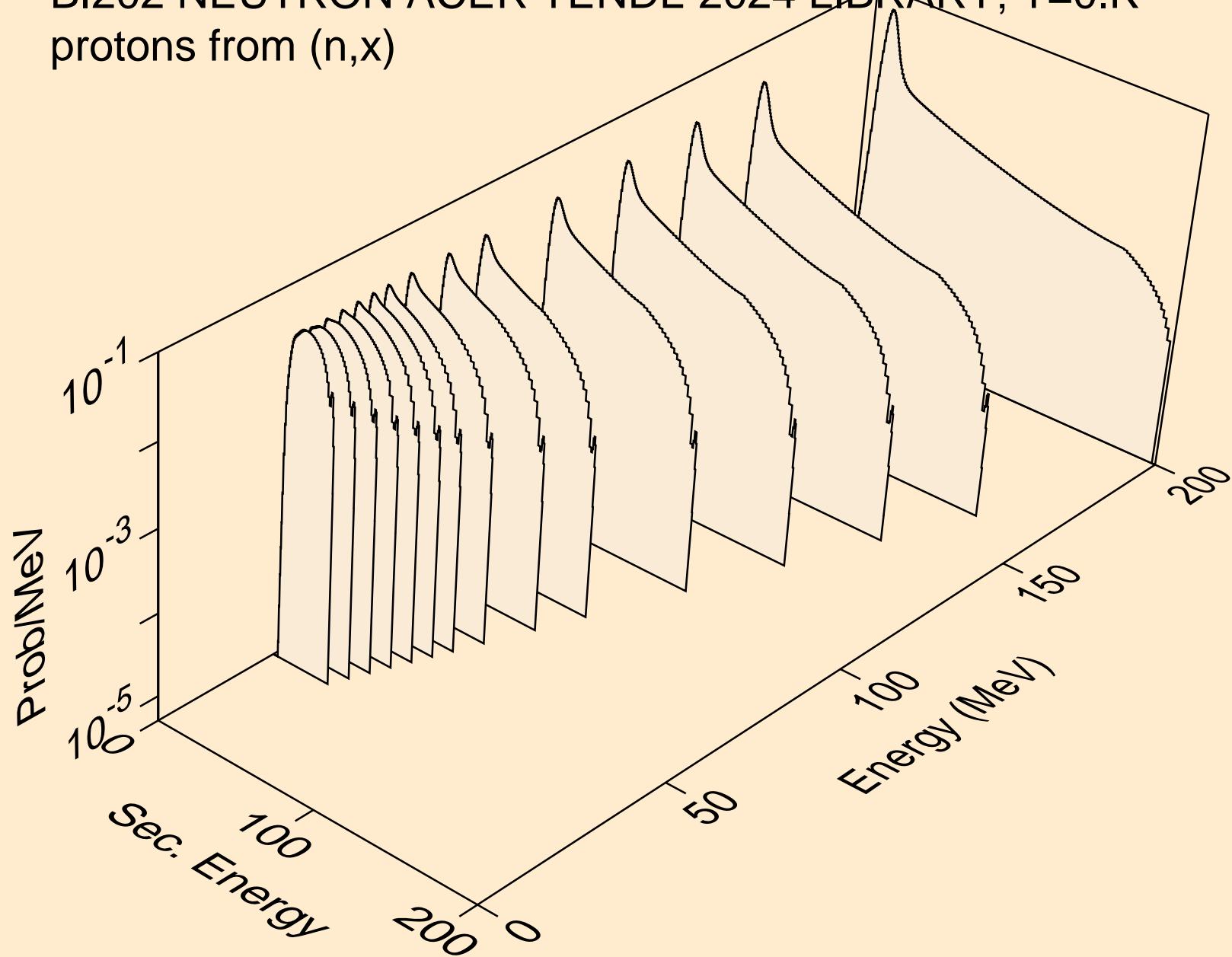
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Recoil Heating



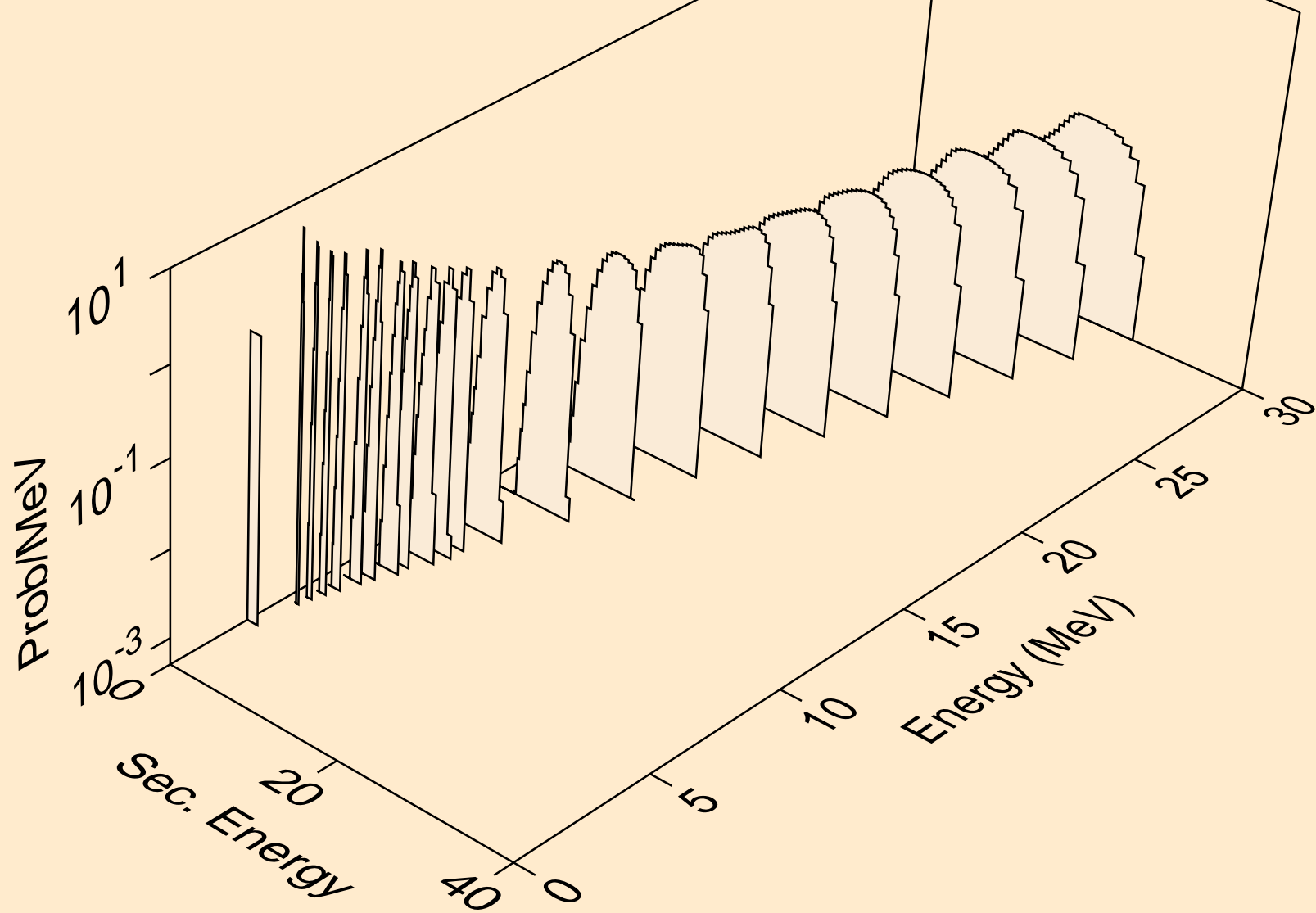
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Particle production cross sections



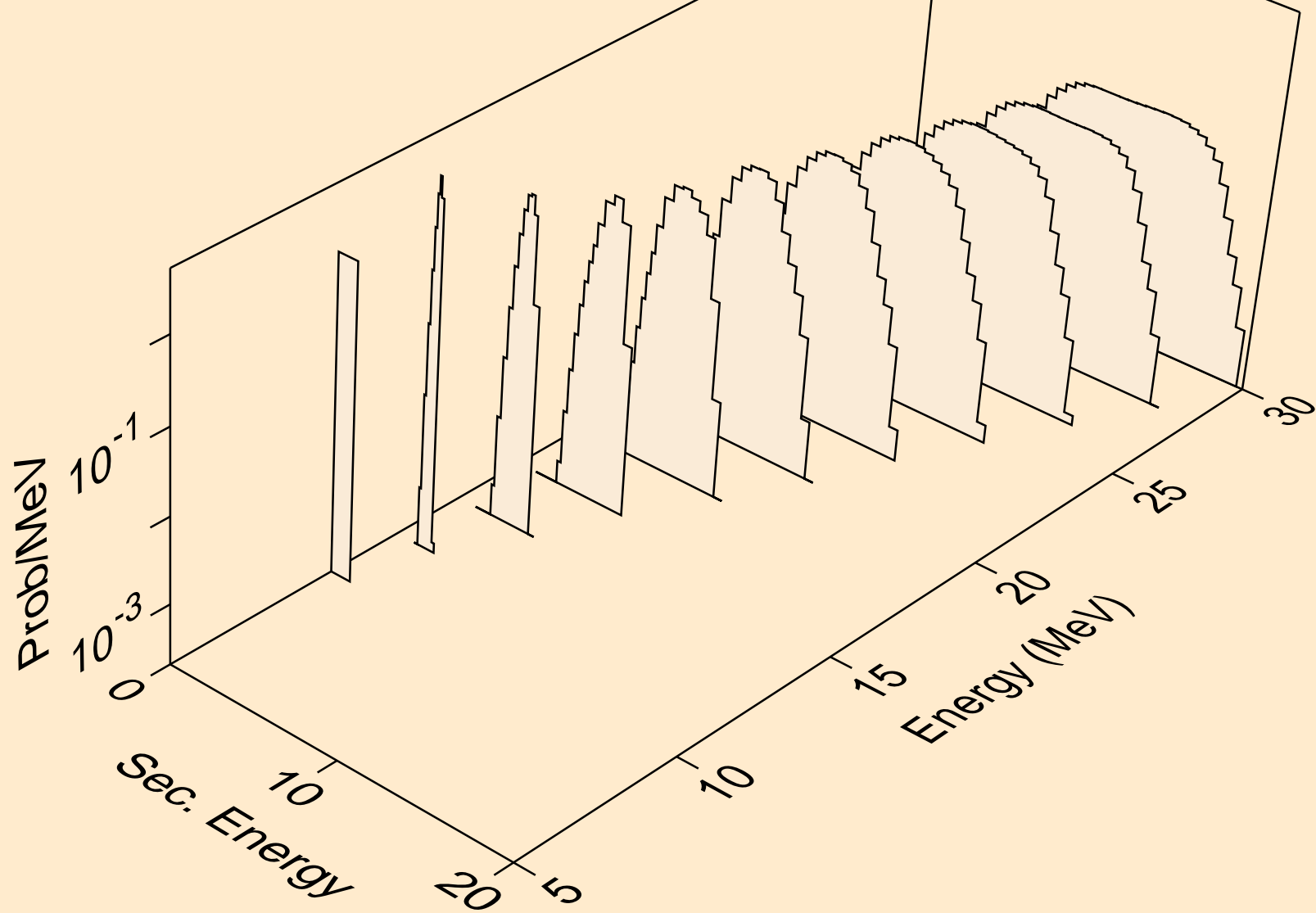
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protons from (n,x)



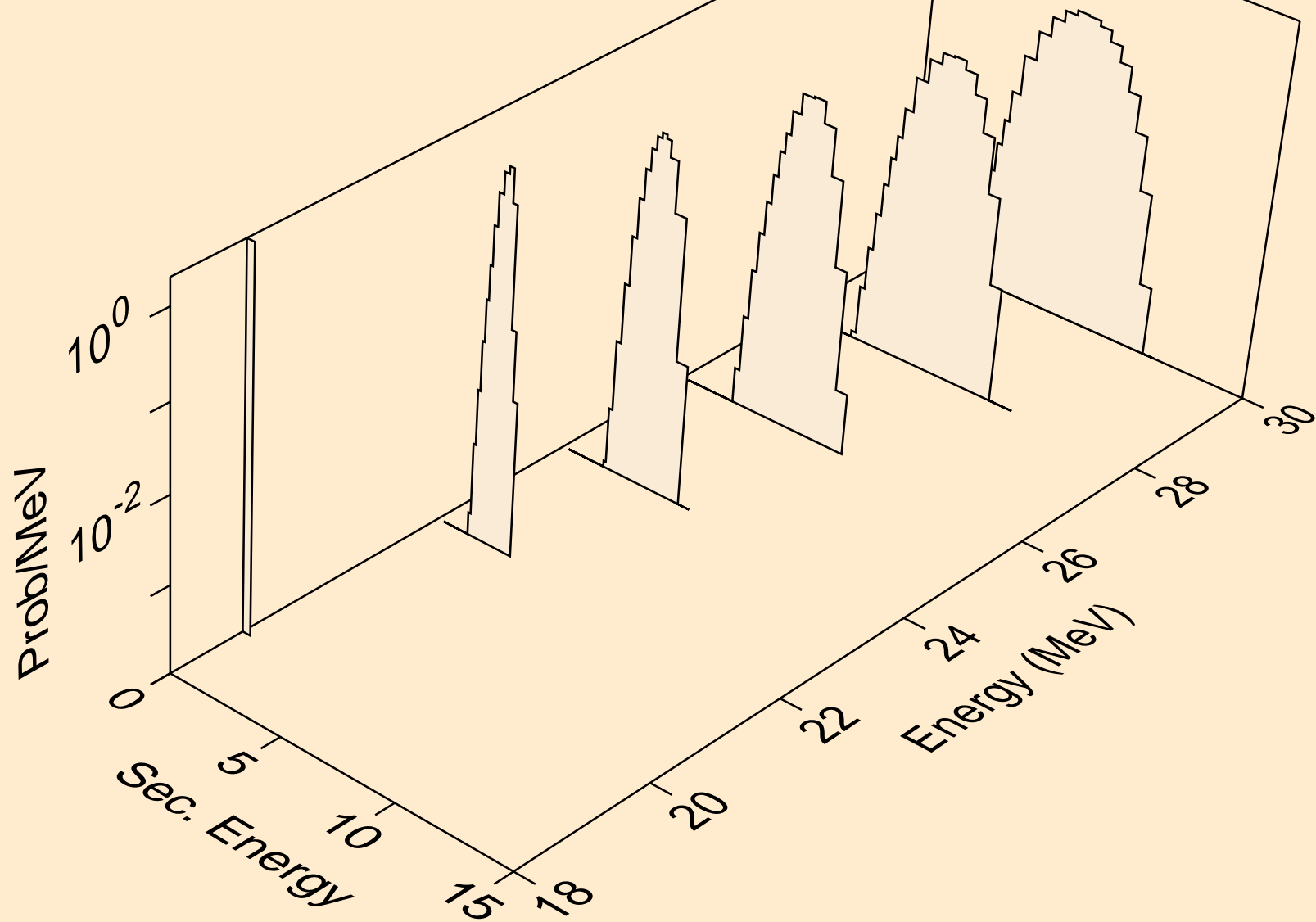
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protons from (n,n\*)p



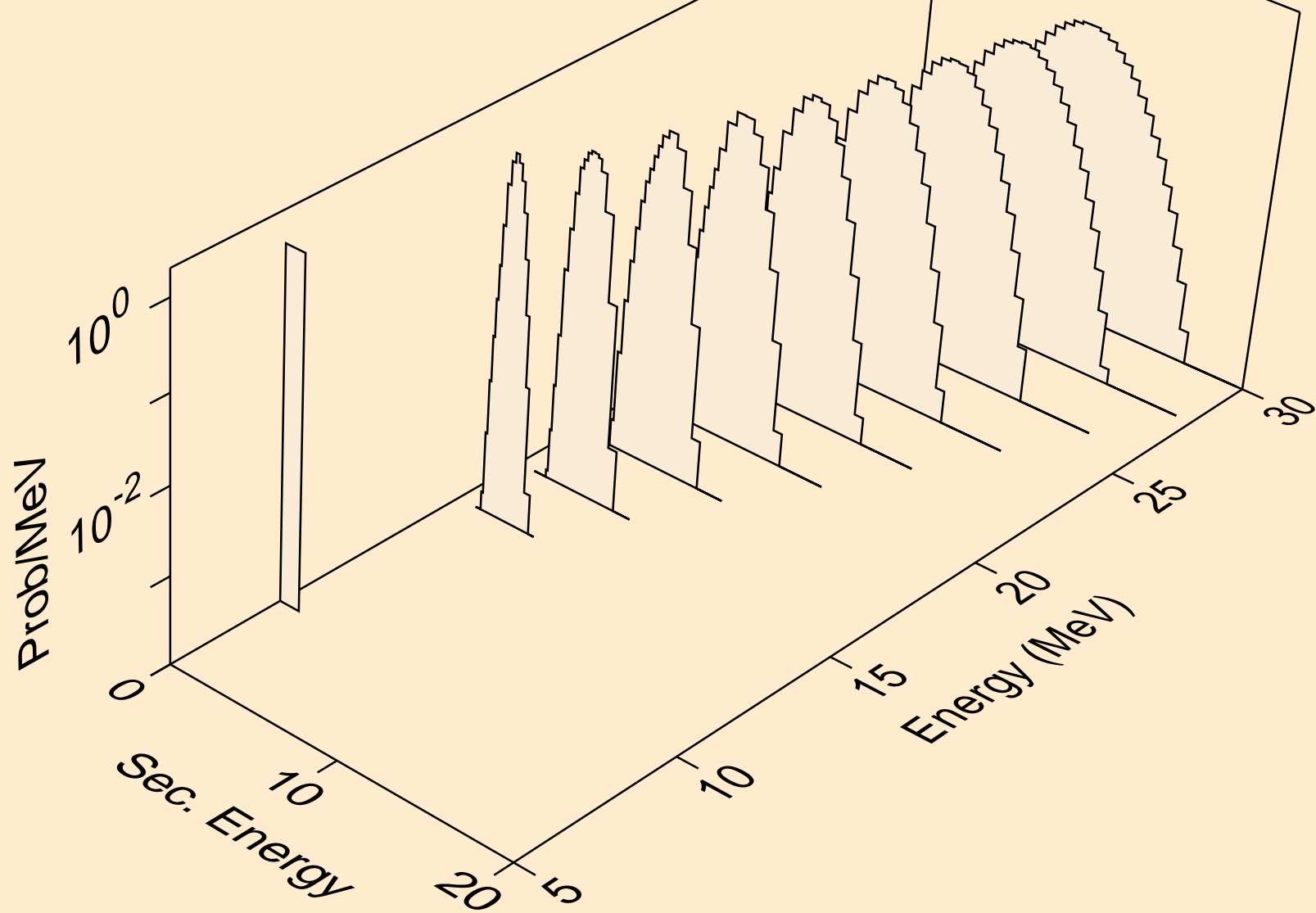
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protons from (n,2np)



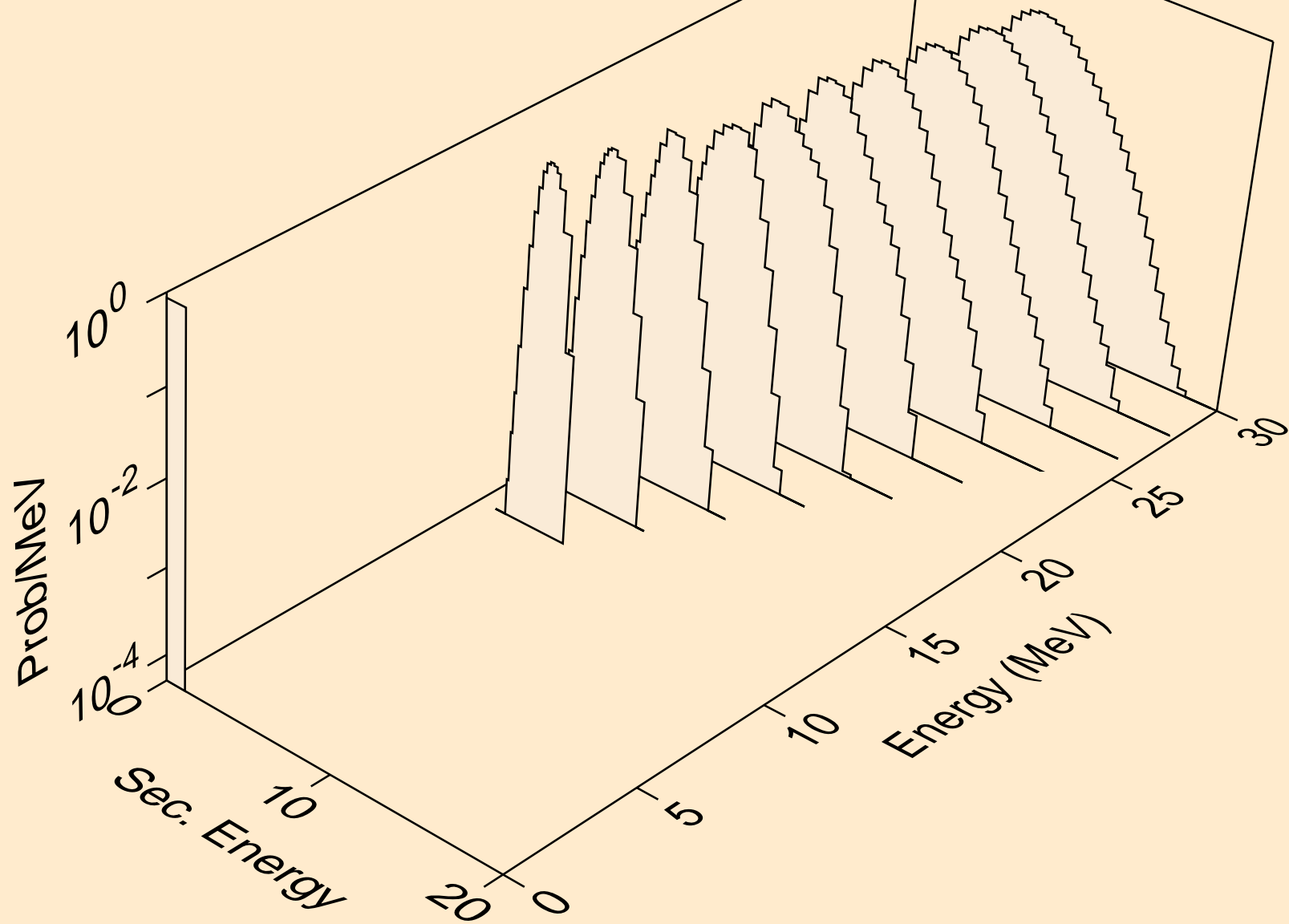
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protons from (n,3np)



BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n2p)

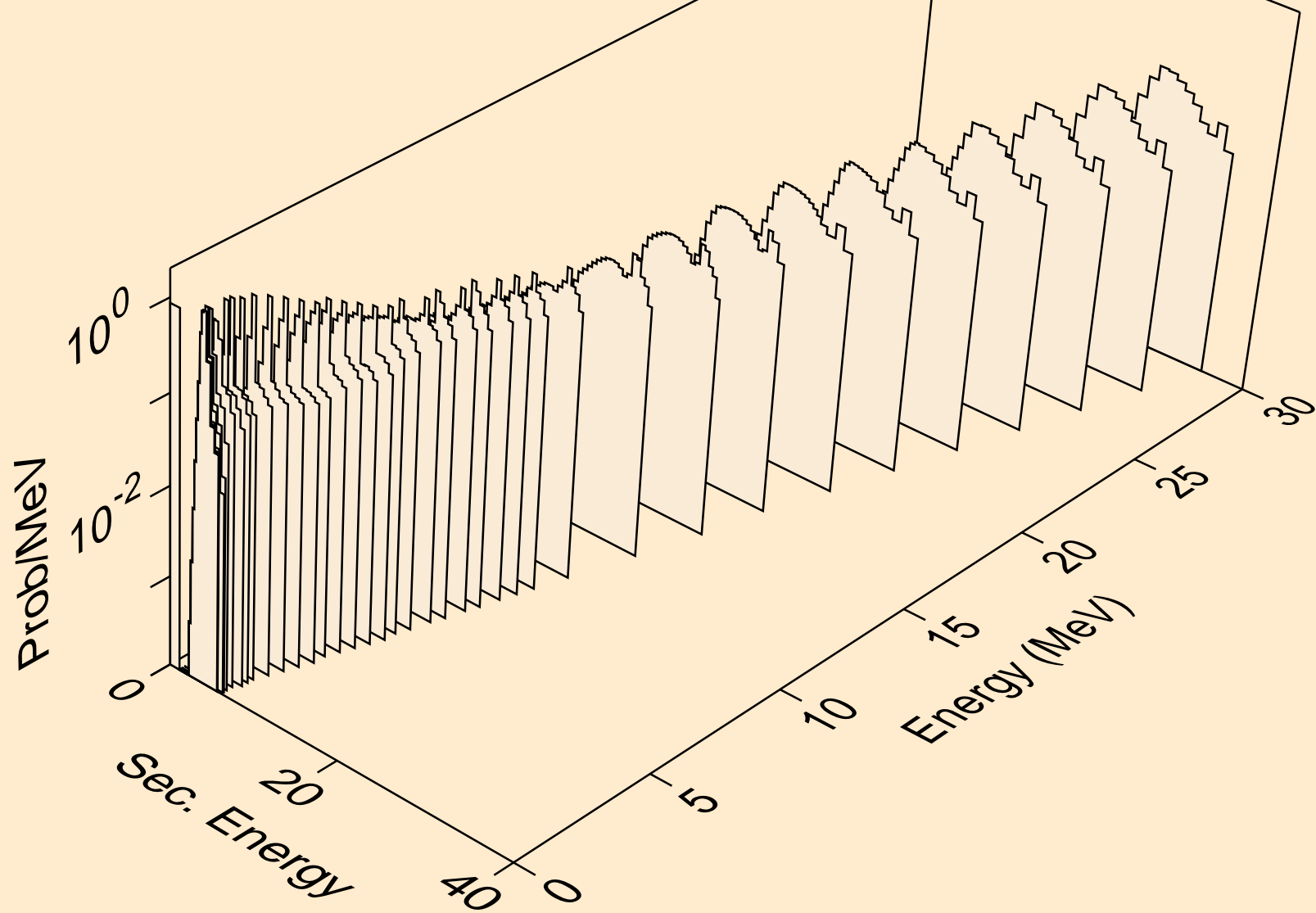


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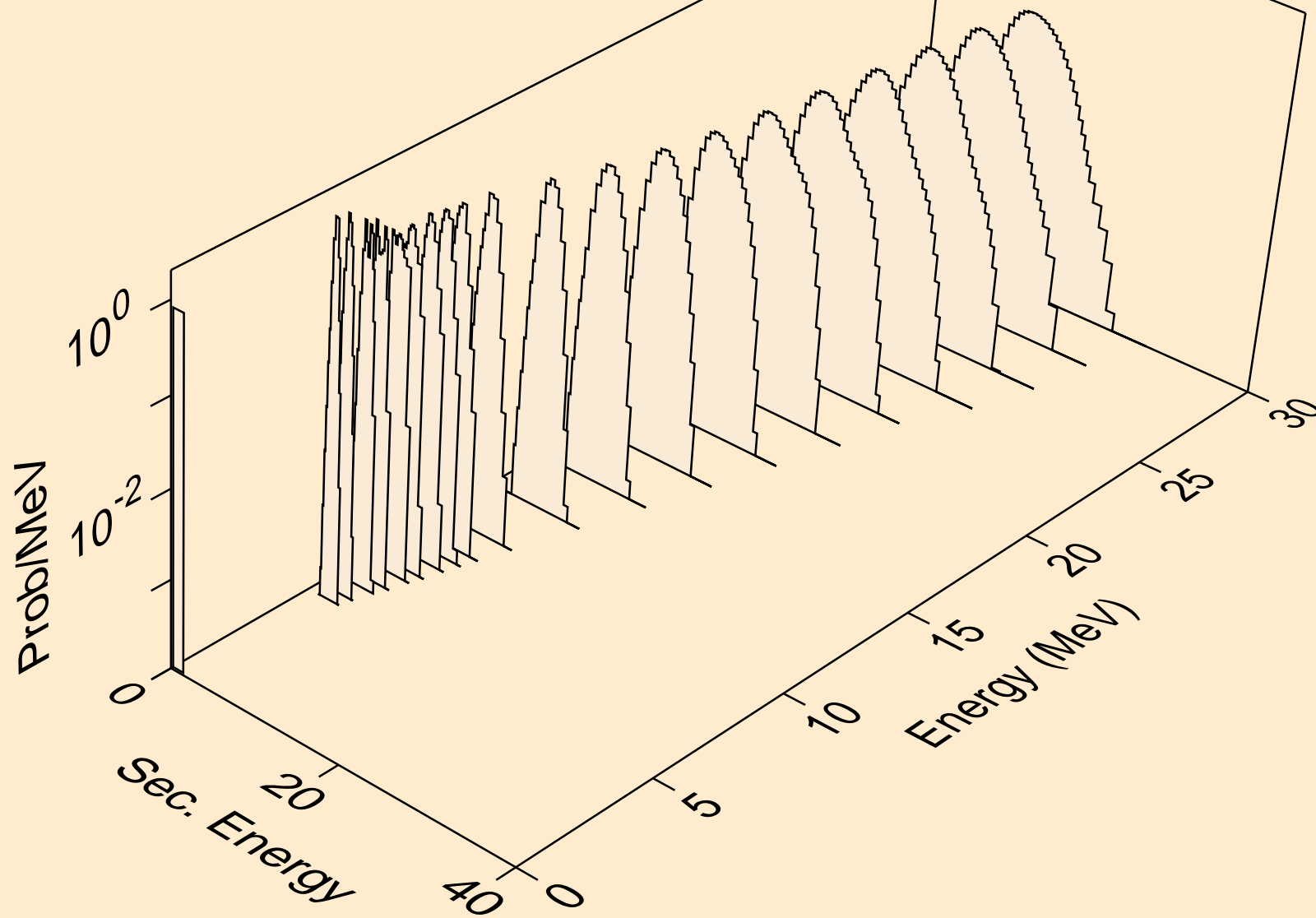




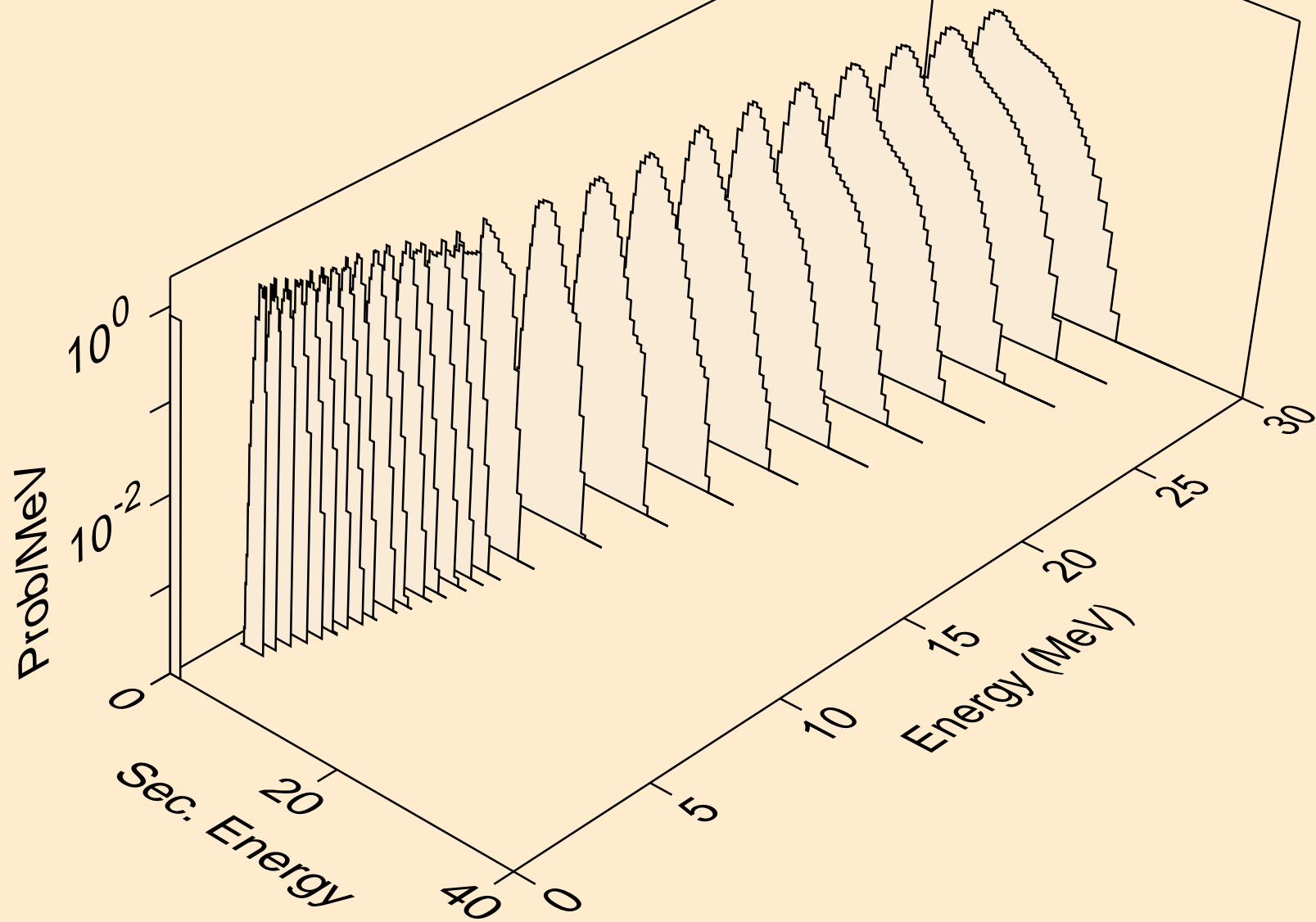
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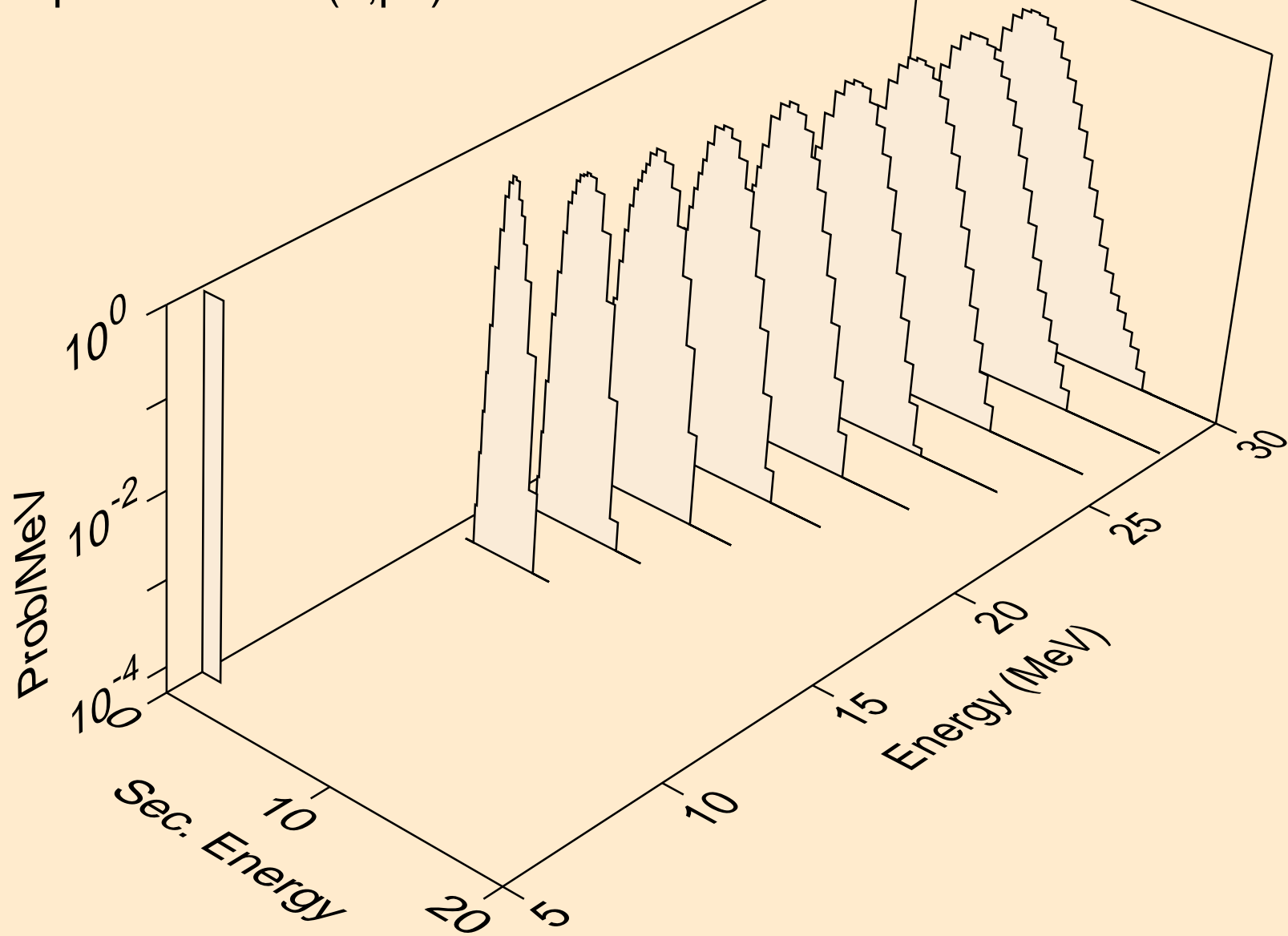
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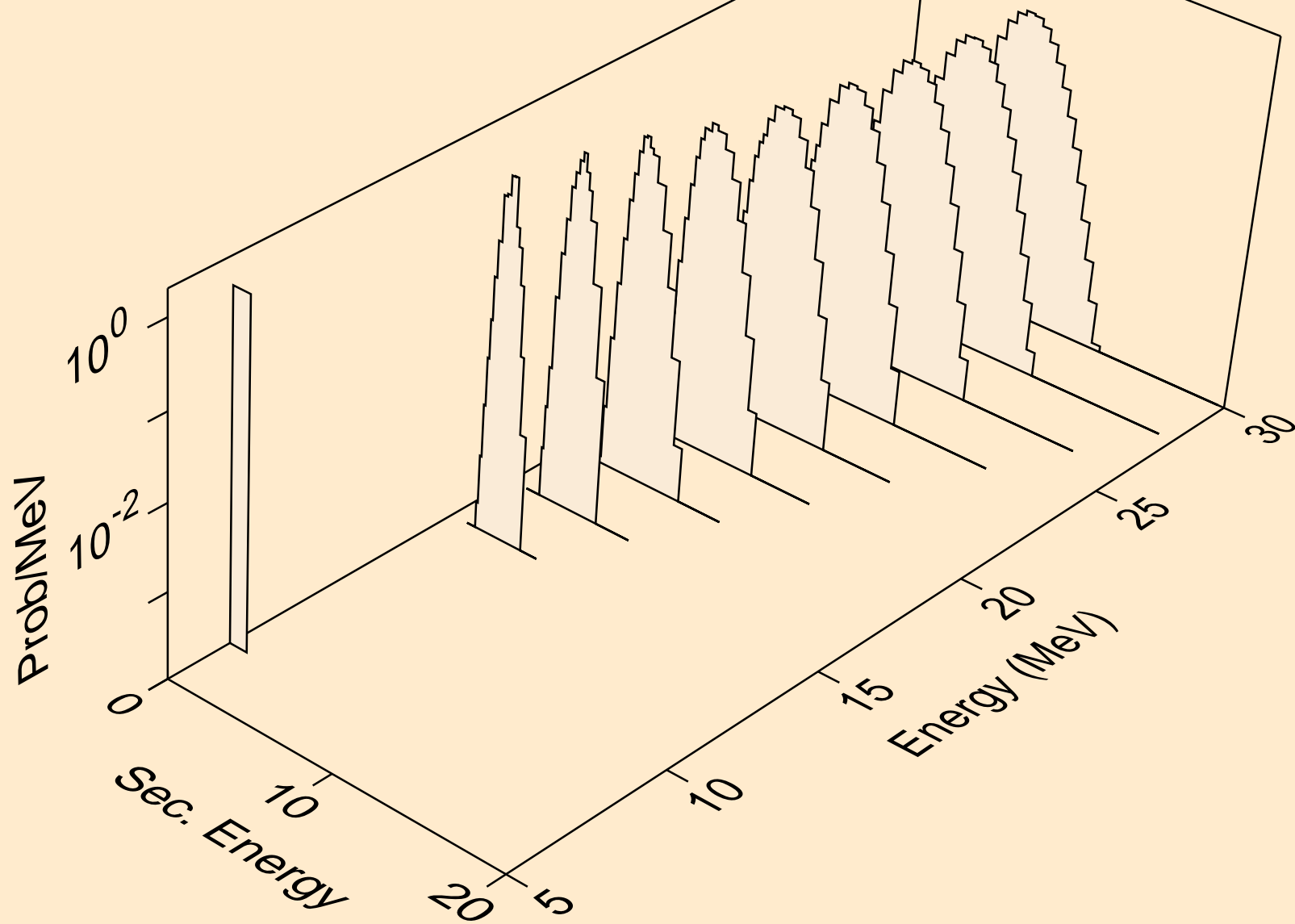
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protons from (n,p)



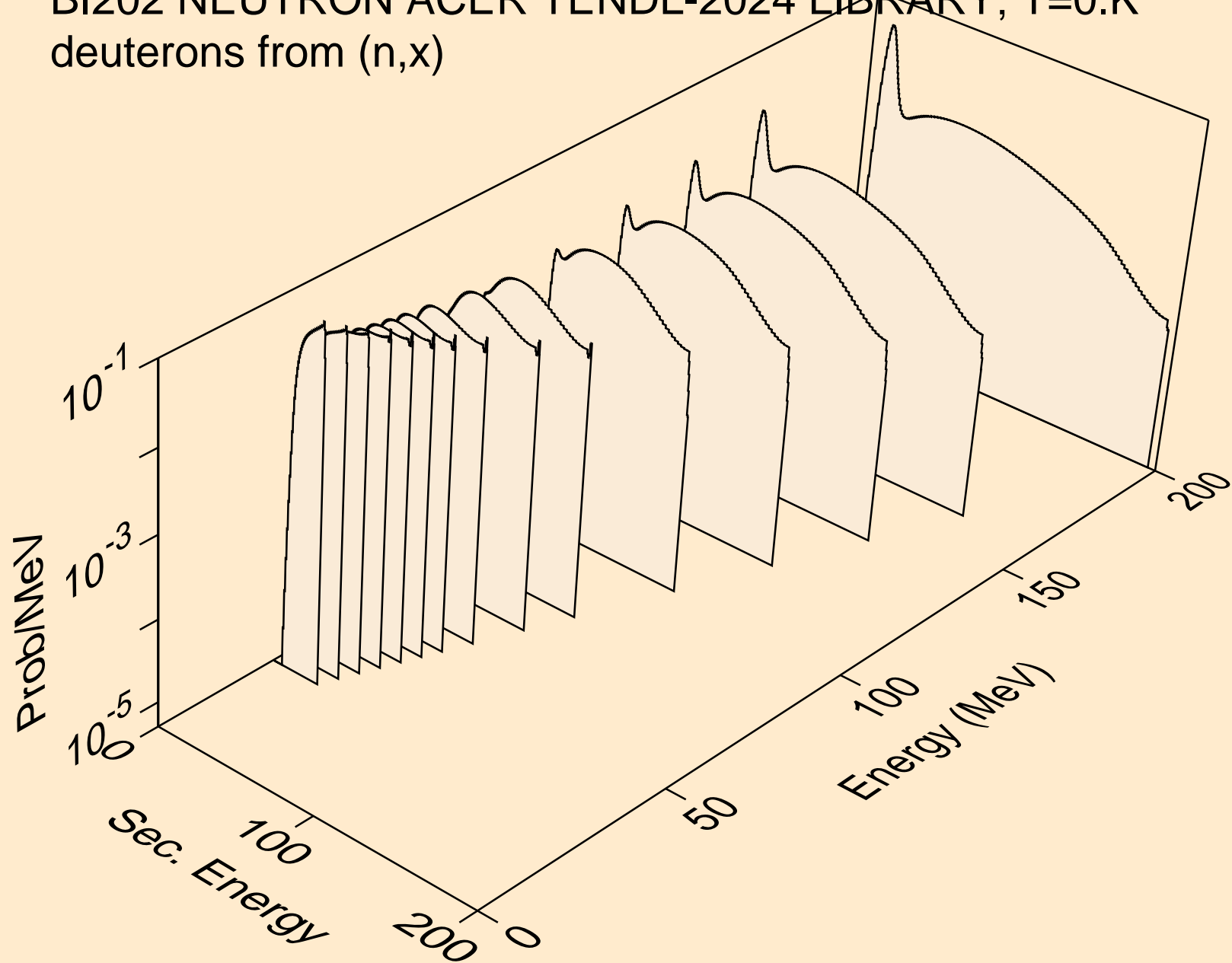
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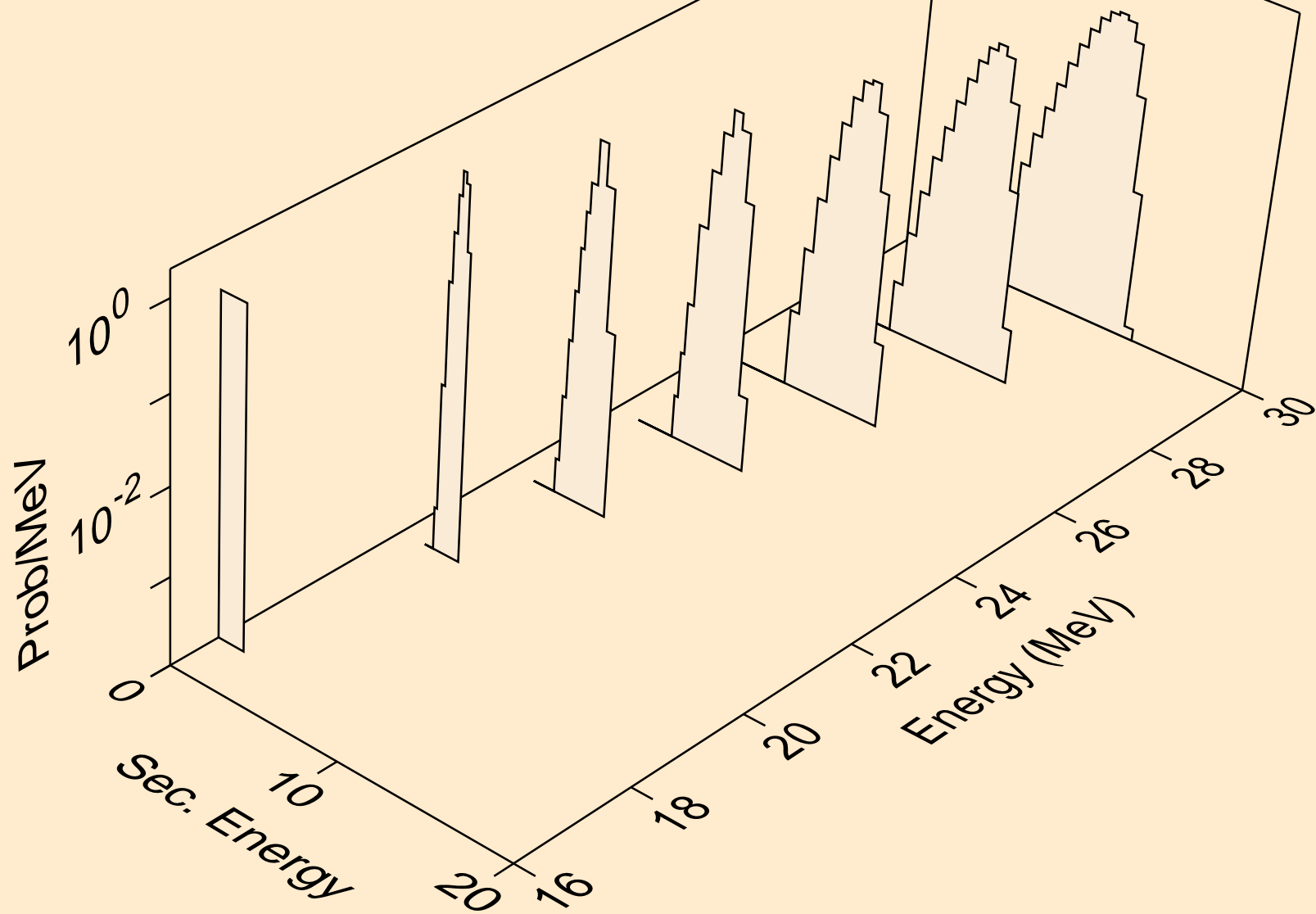
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protons from (n,pt)



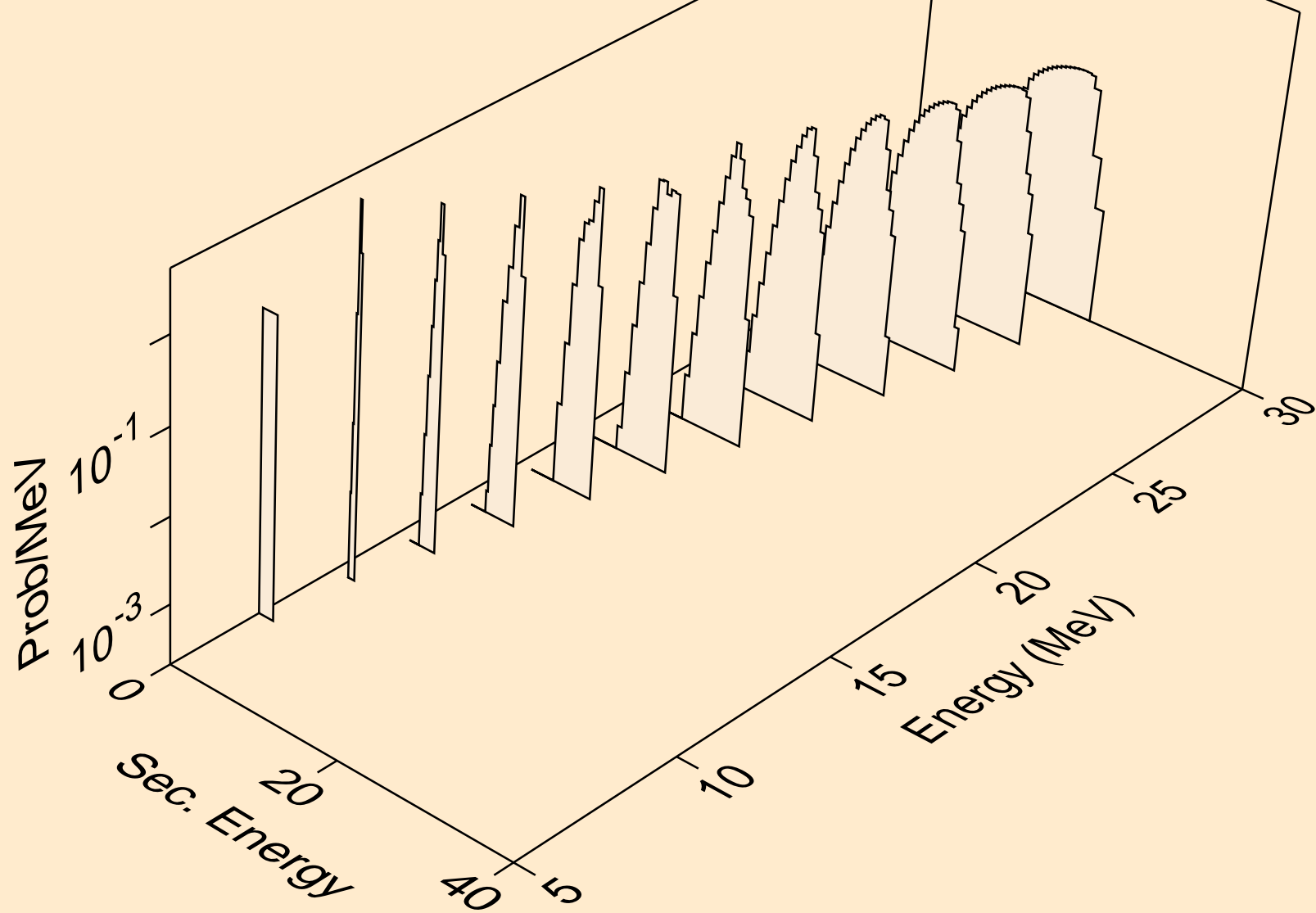
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deuterons from (n,x)



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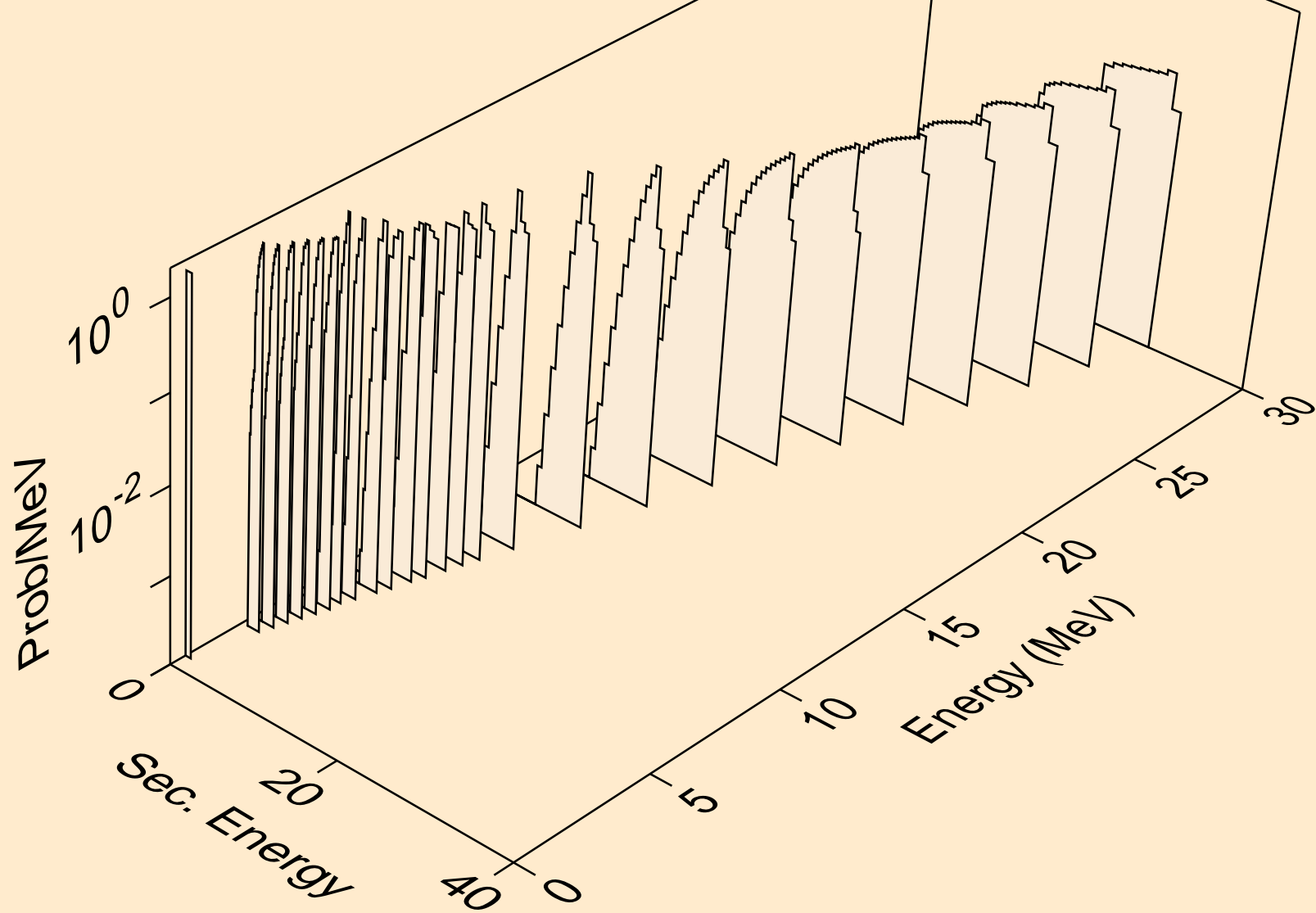


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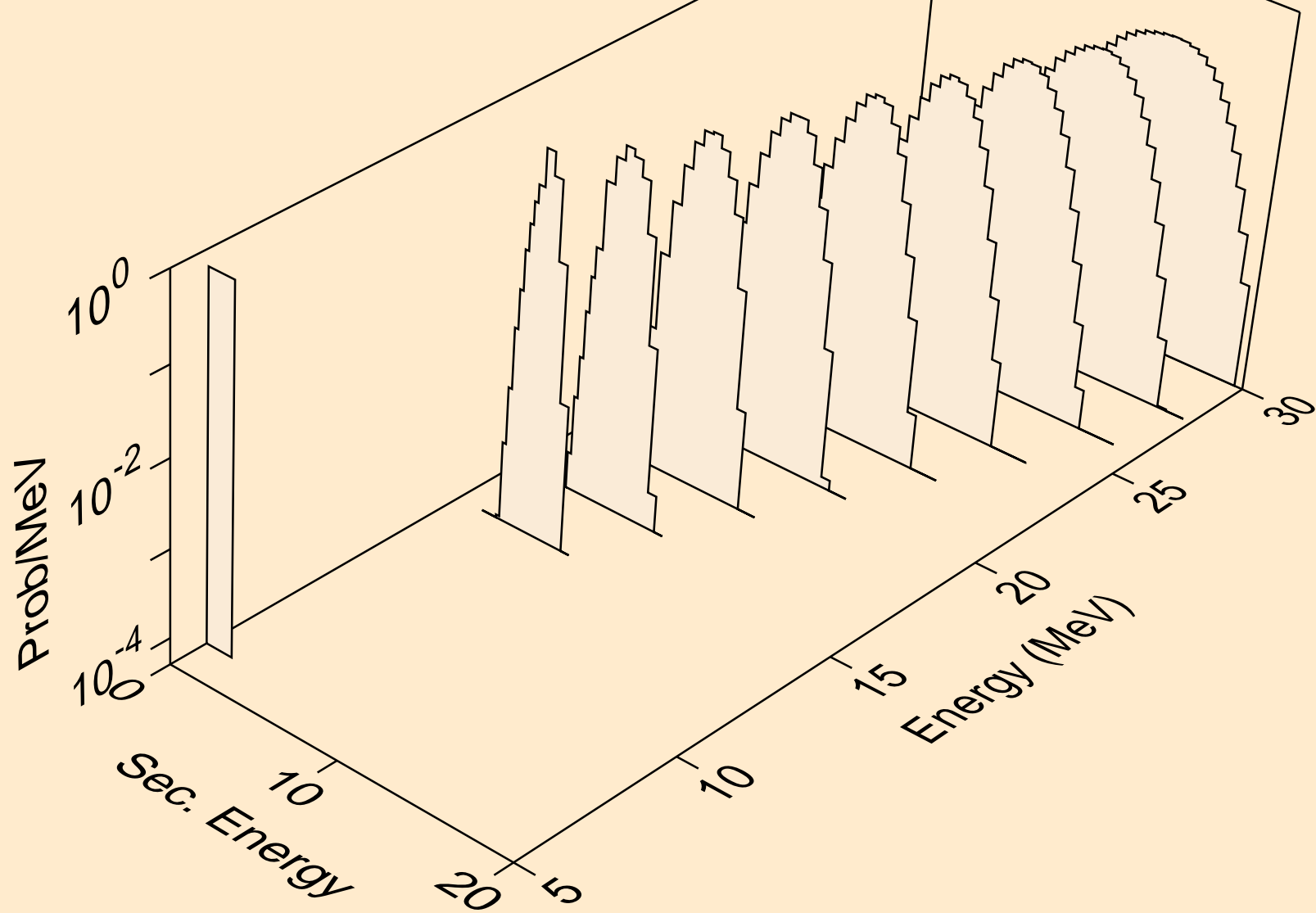




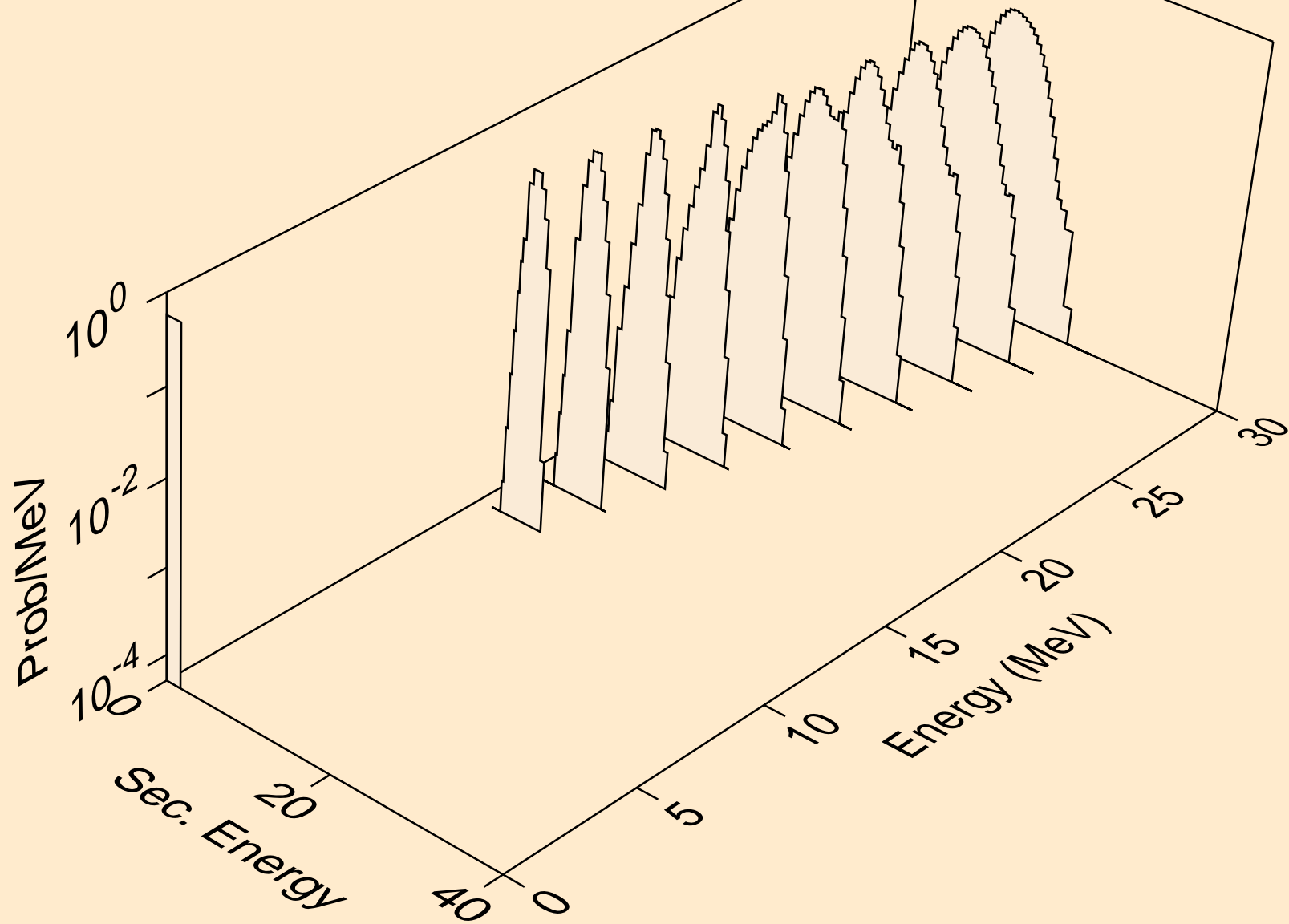
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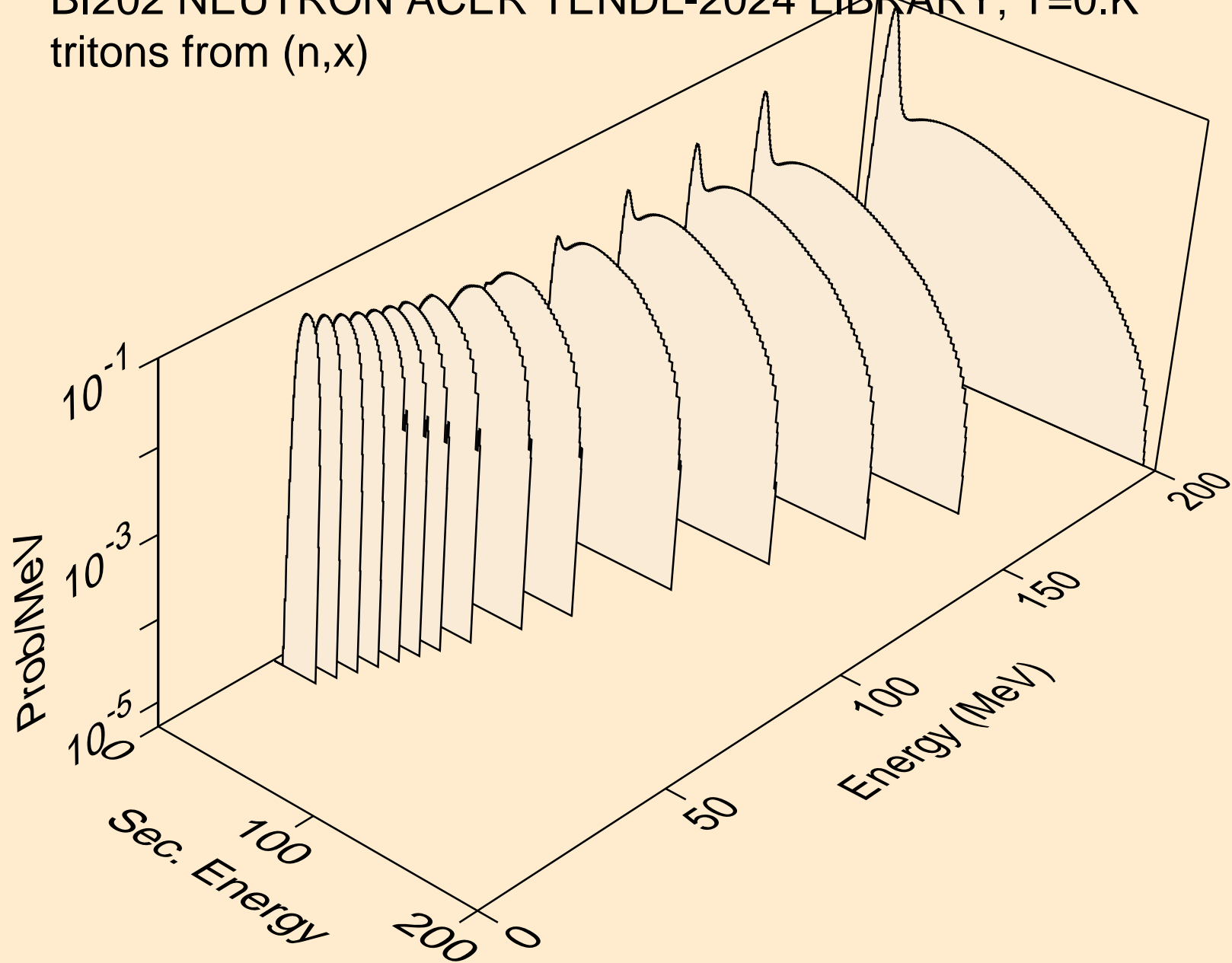
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deuterons from (n,pd)



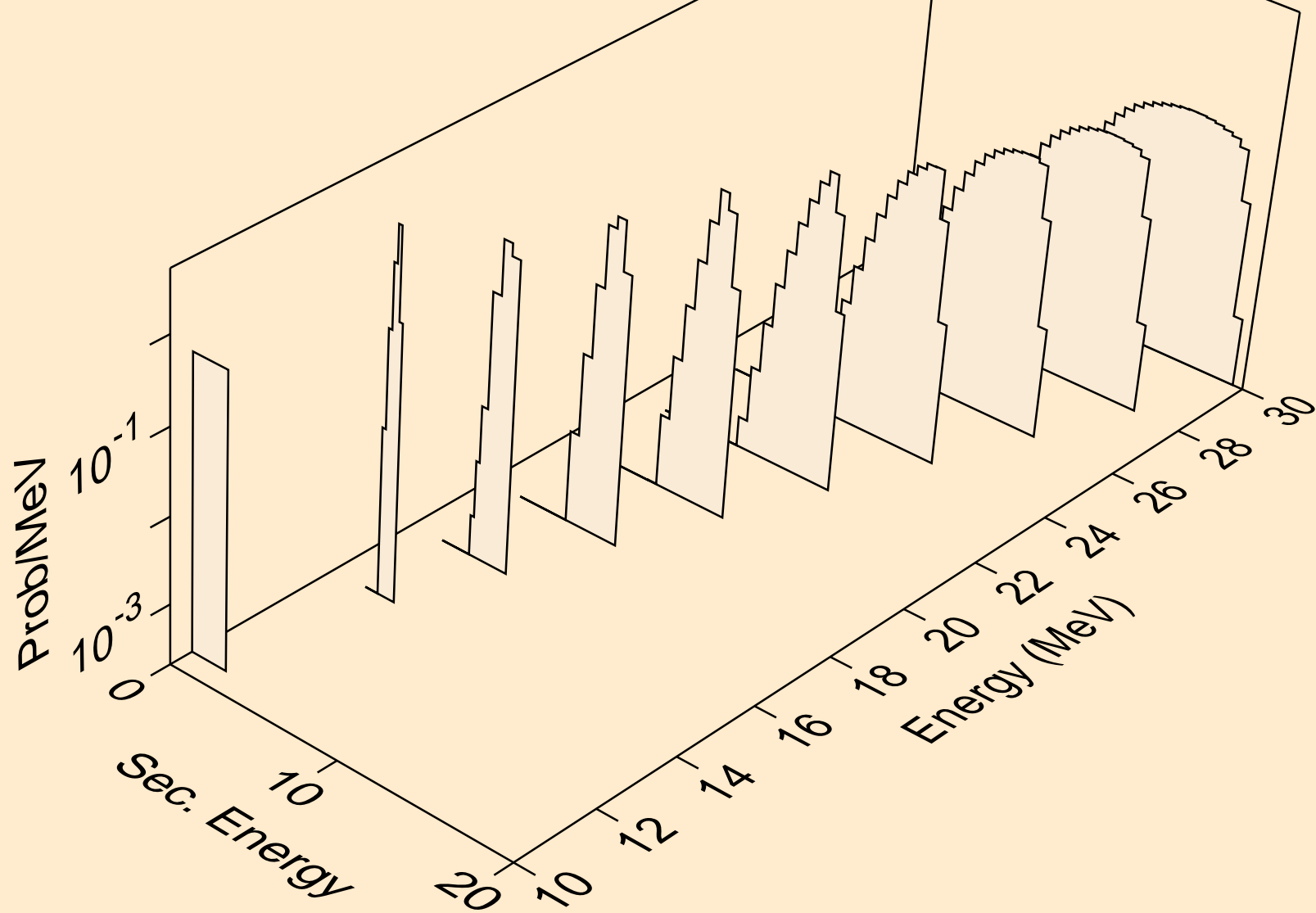
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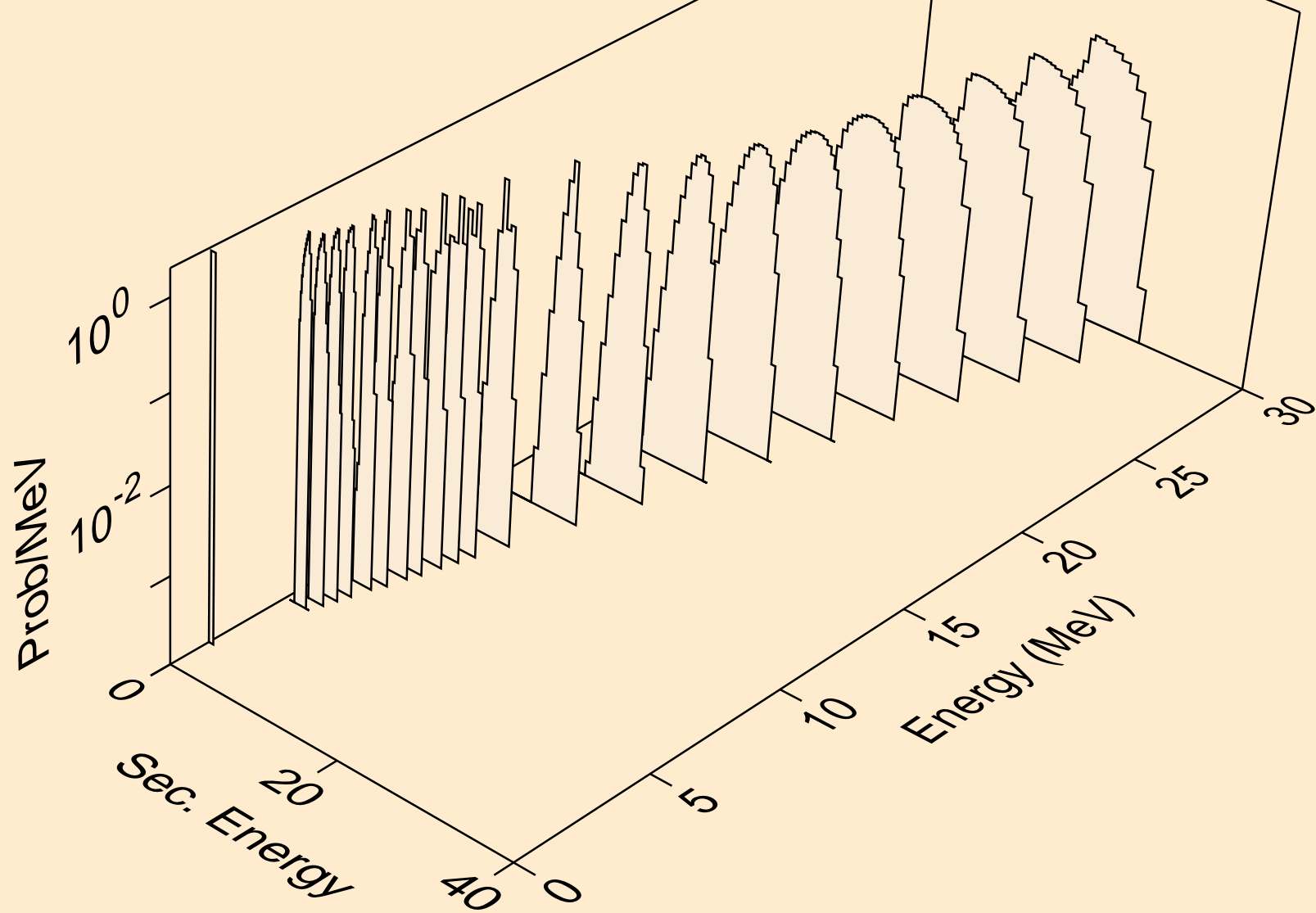
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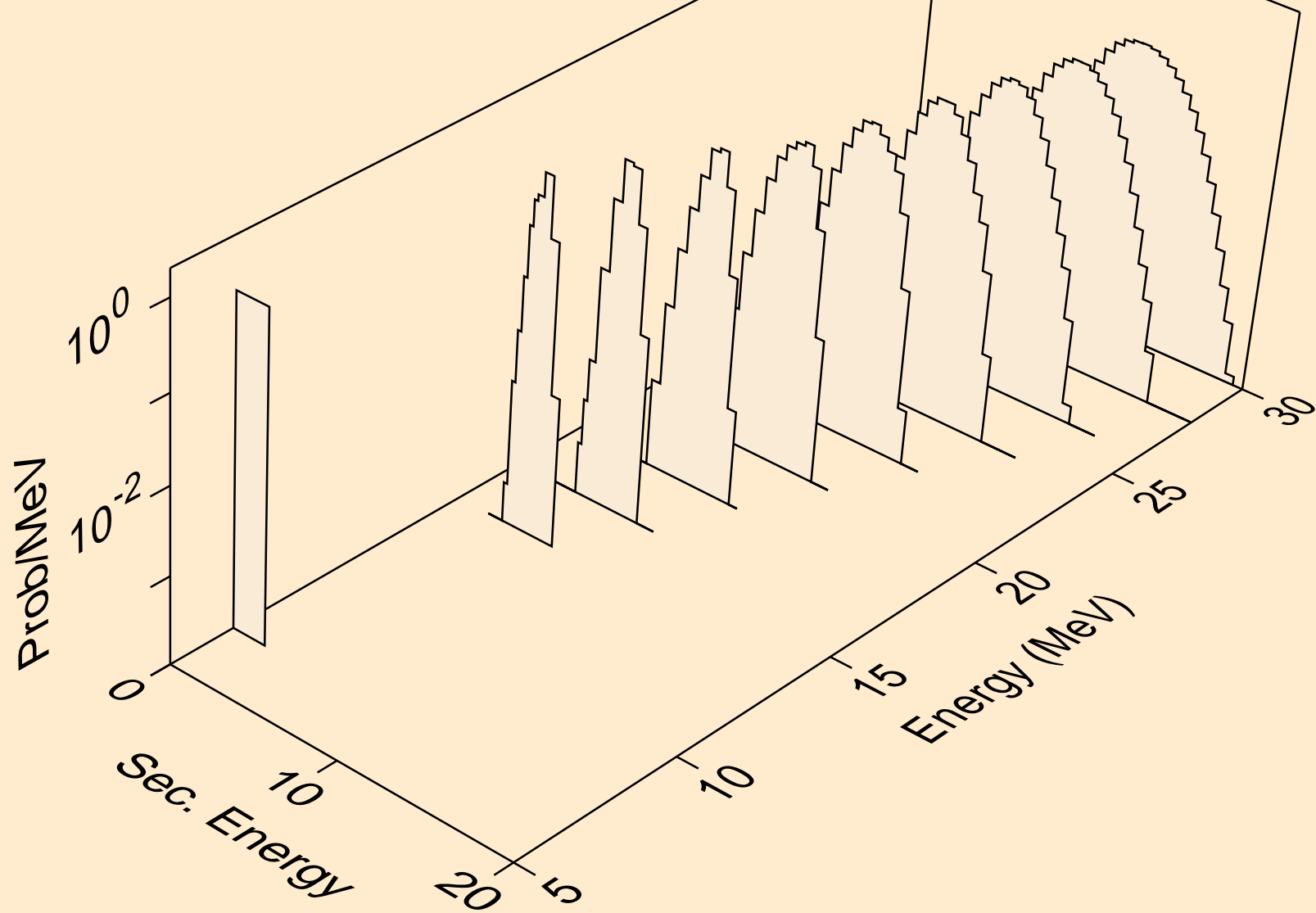
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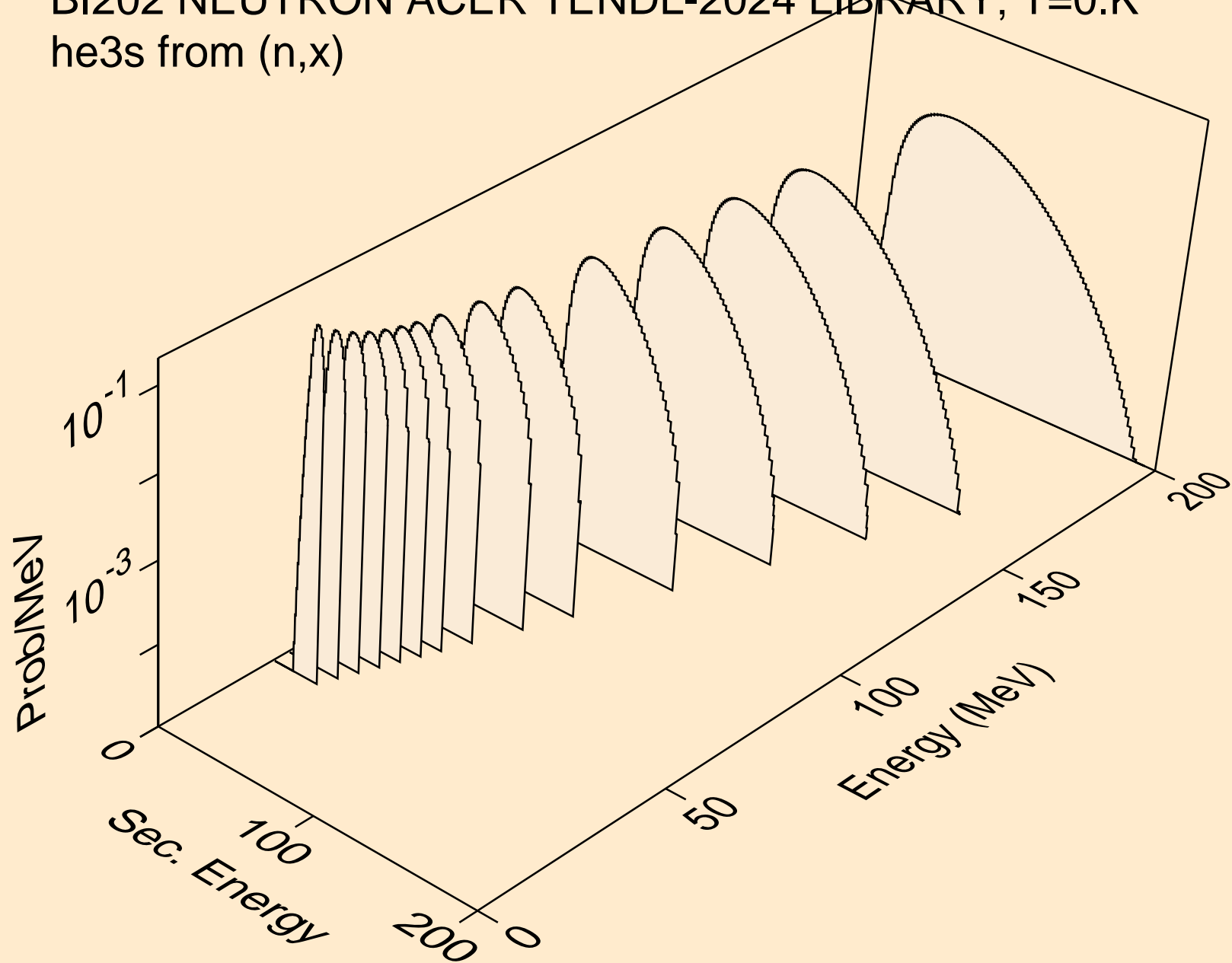
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tritons from (n,t)



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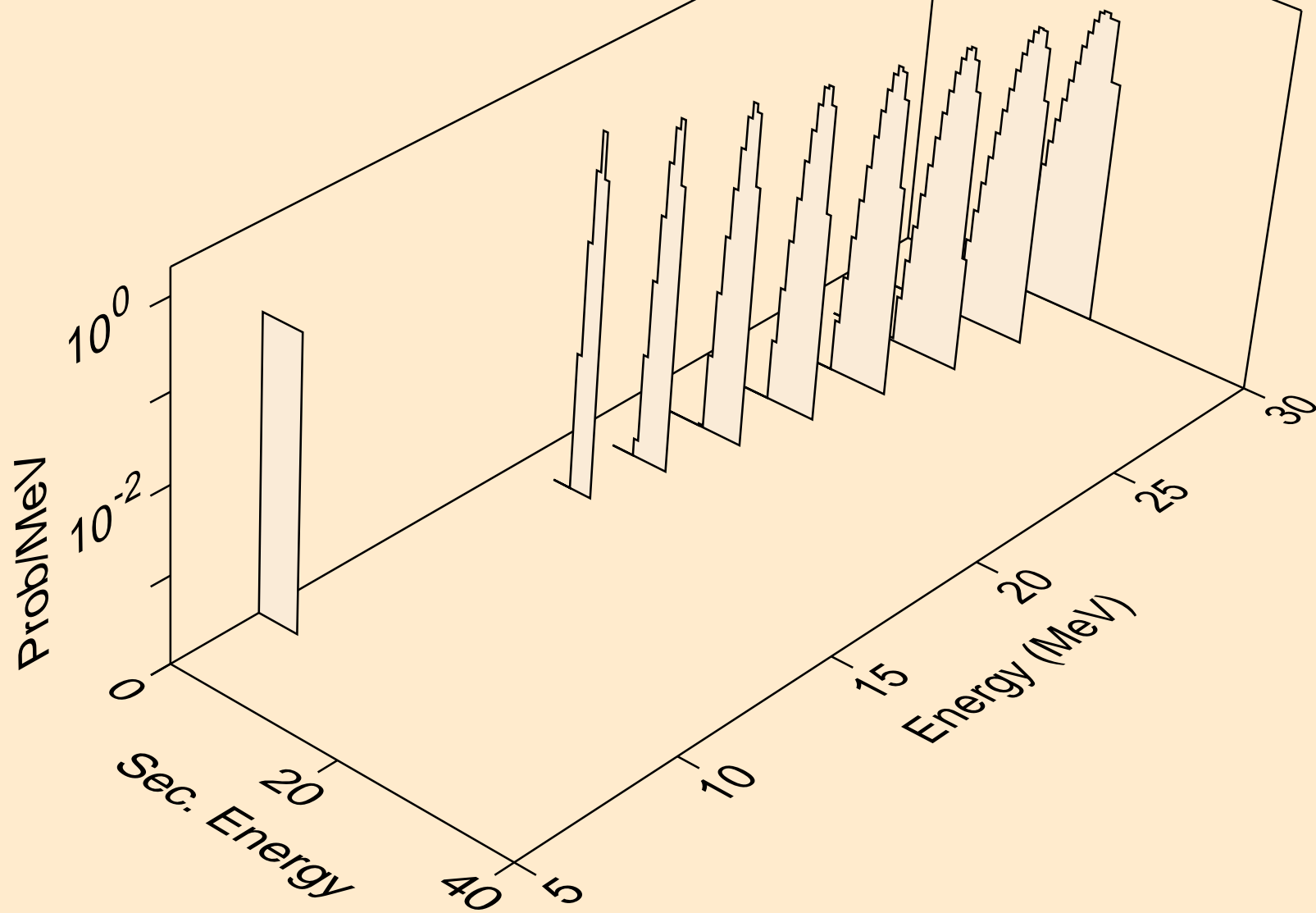


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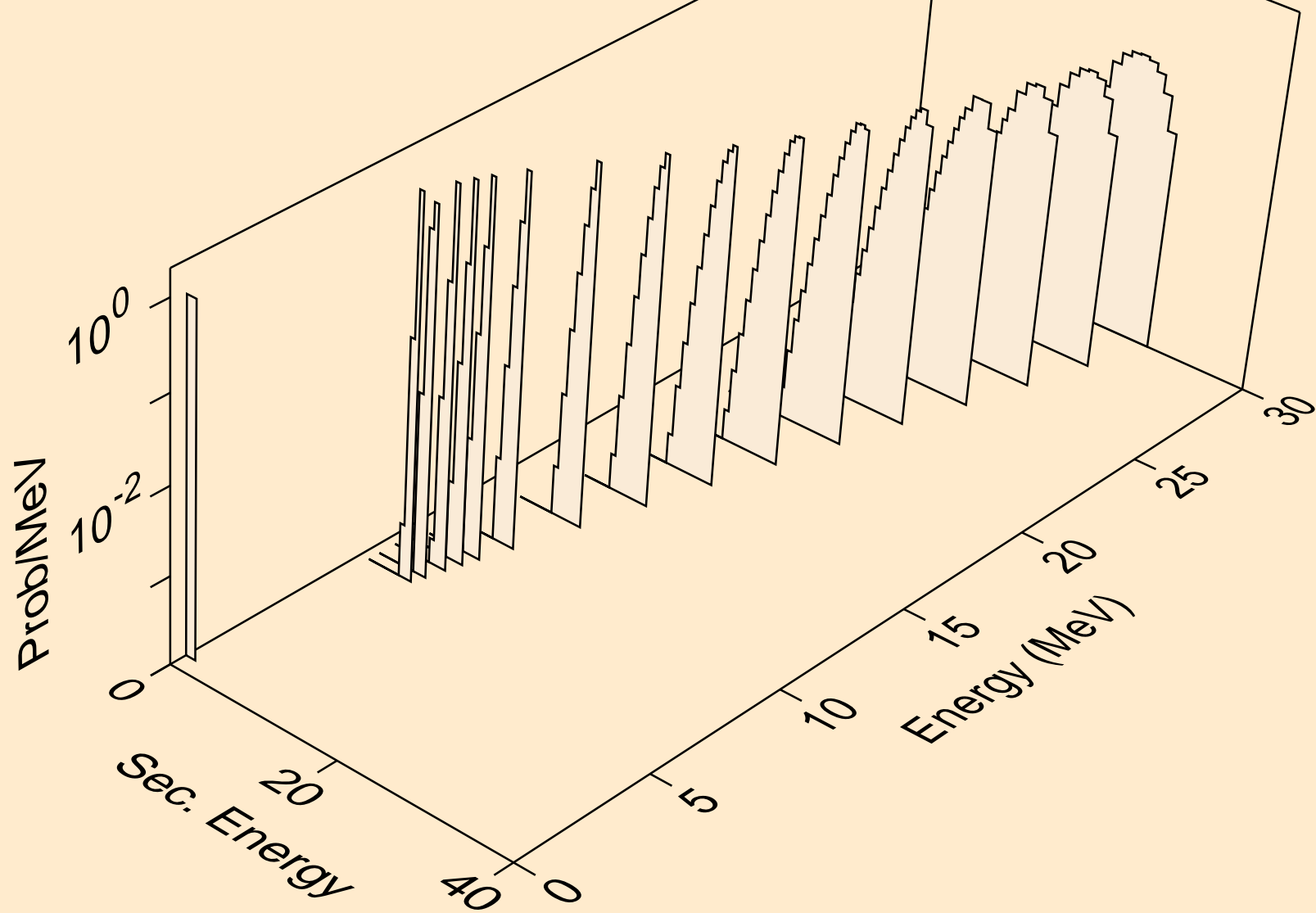




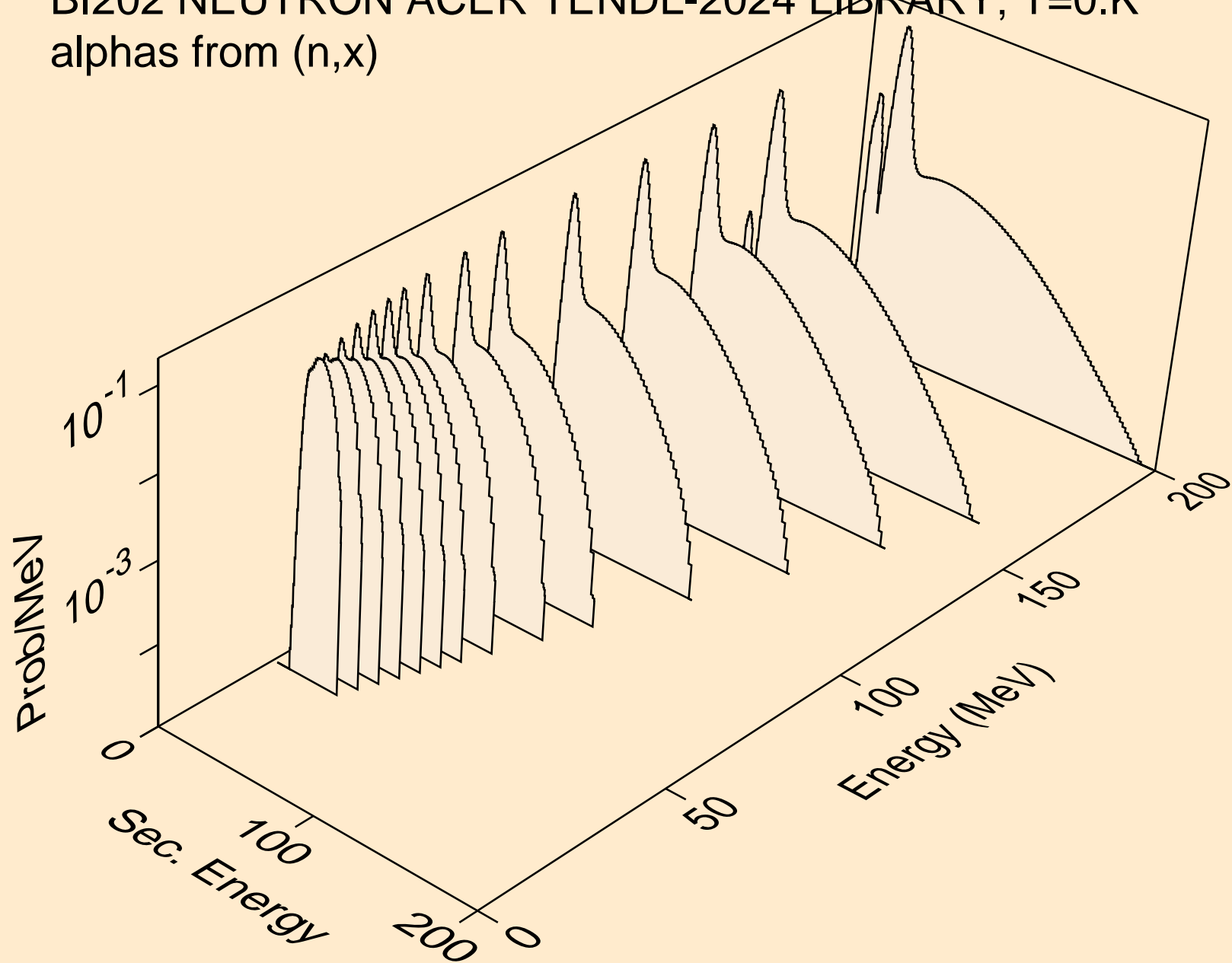
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he3s from (n,n\*)he3



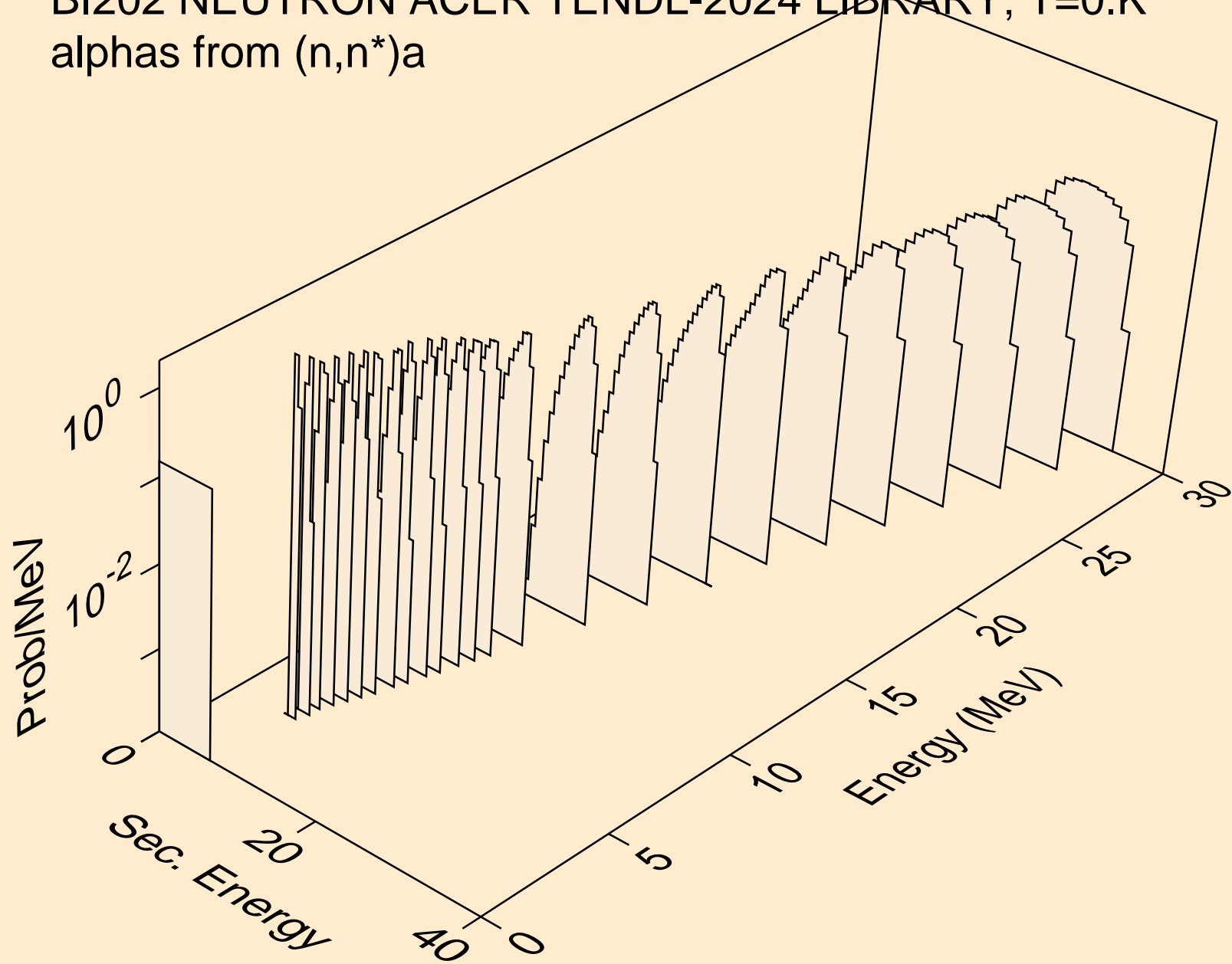
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)



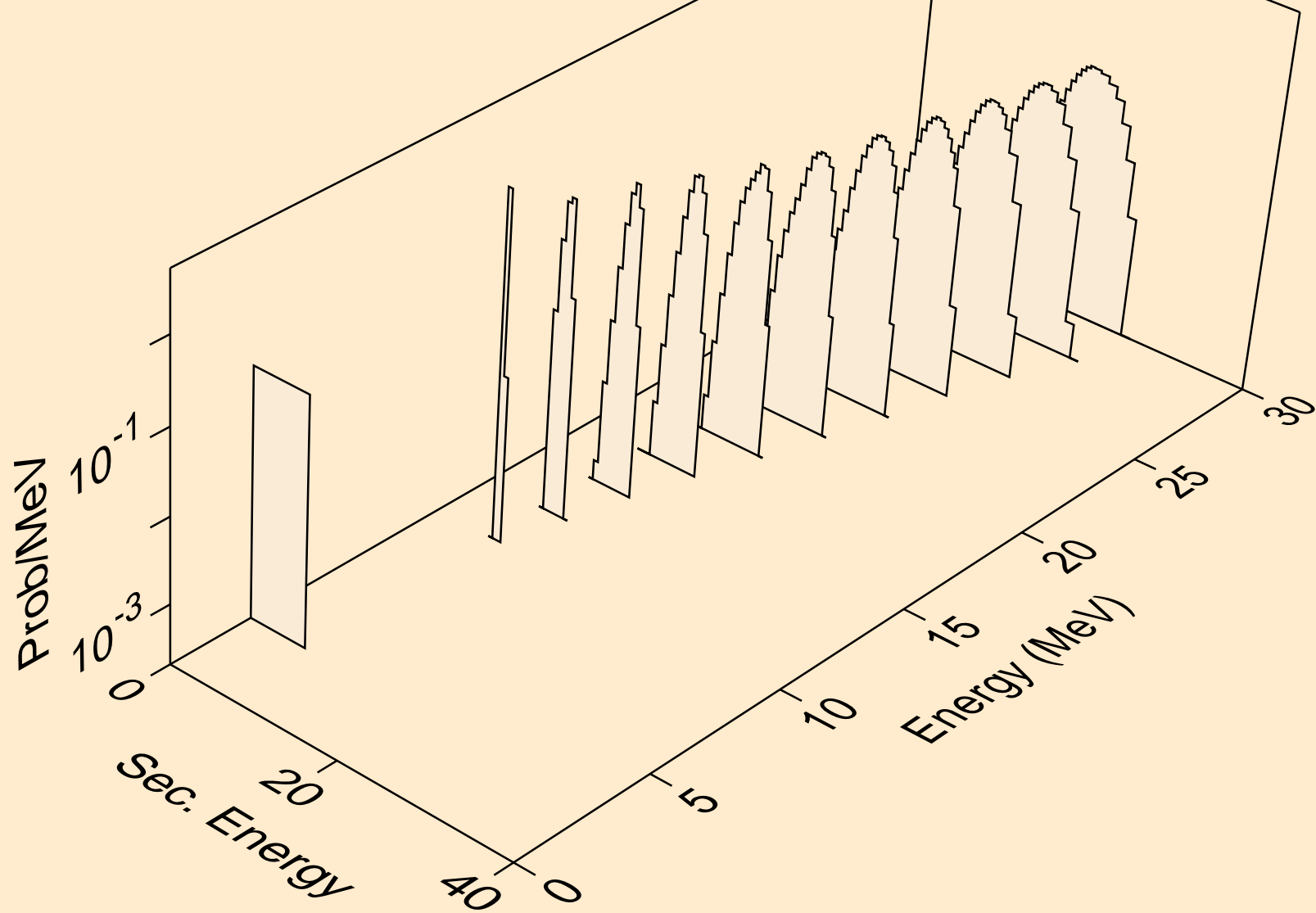
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



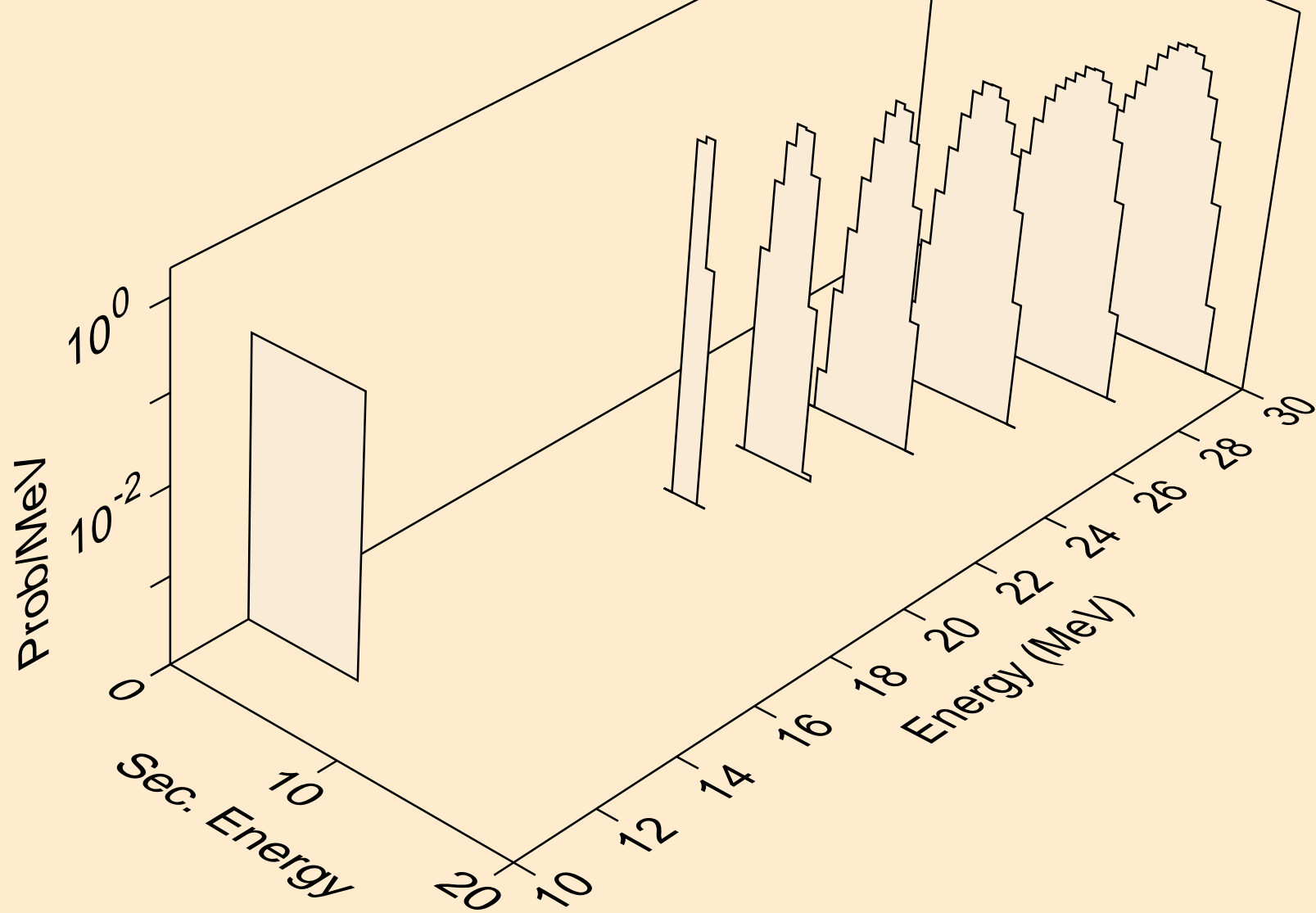
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



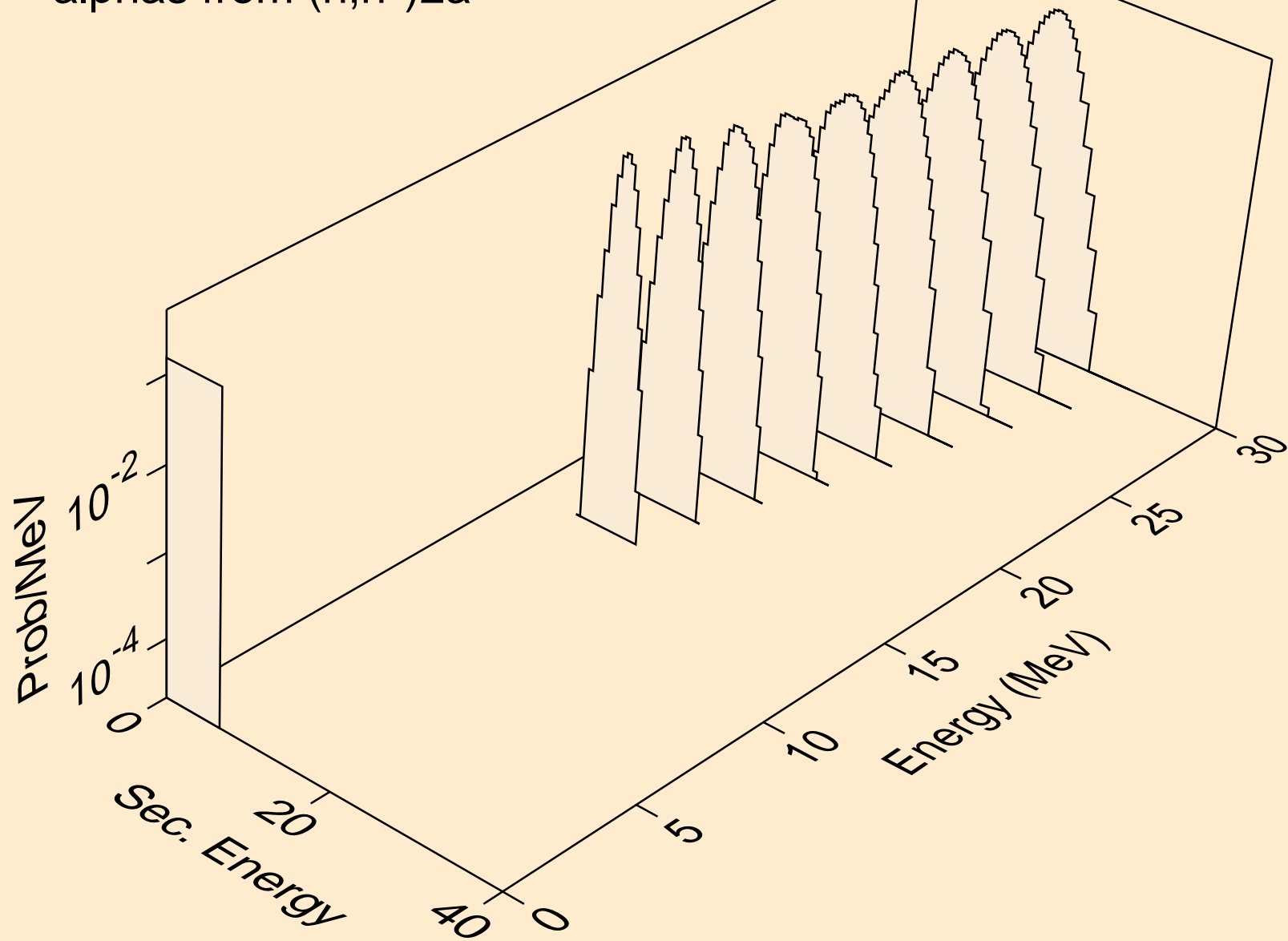
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



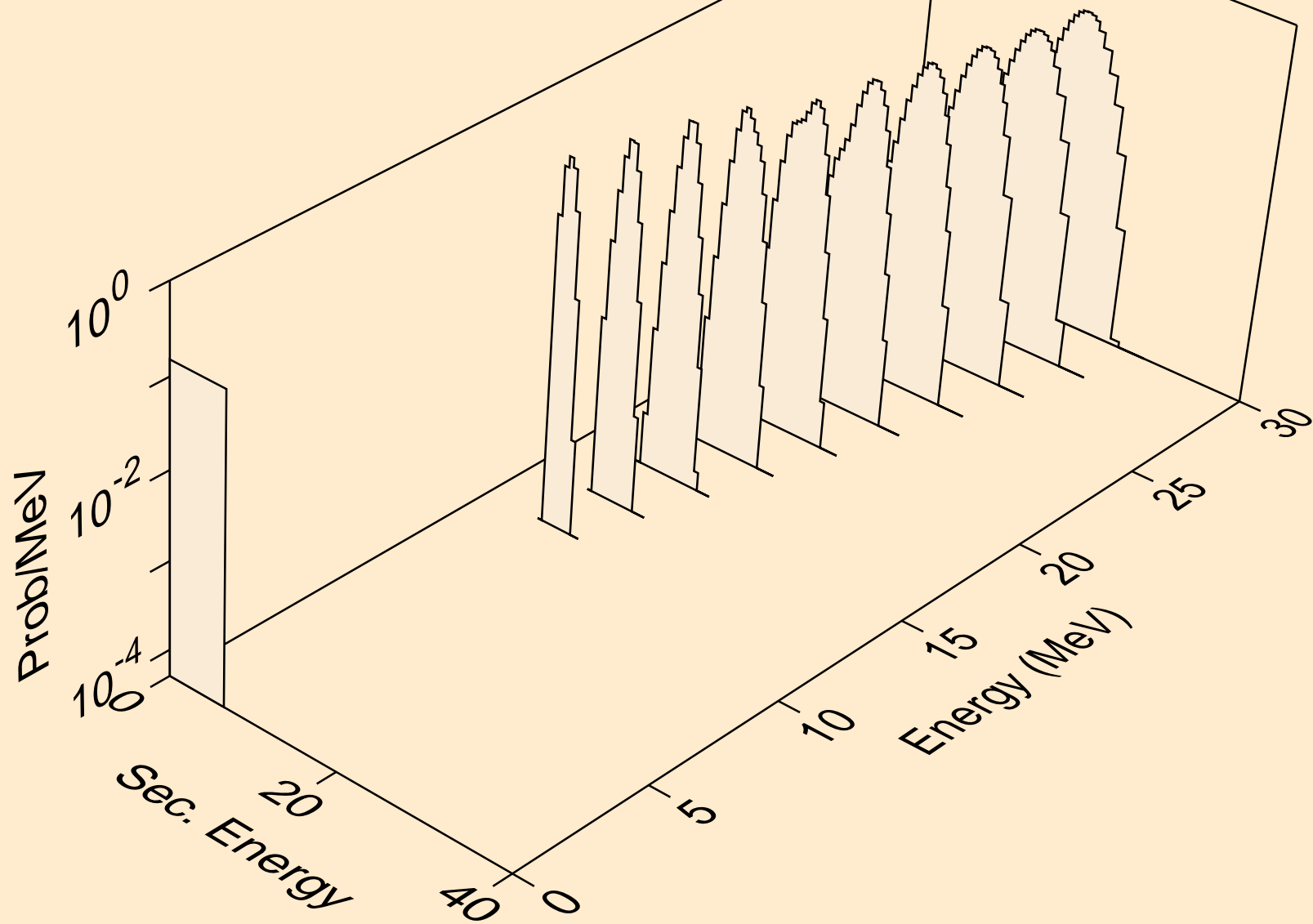
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a

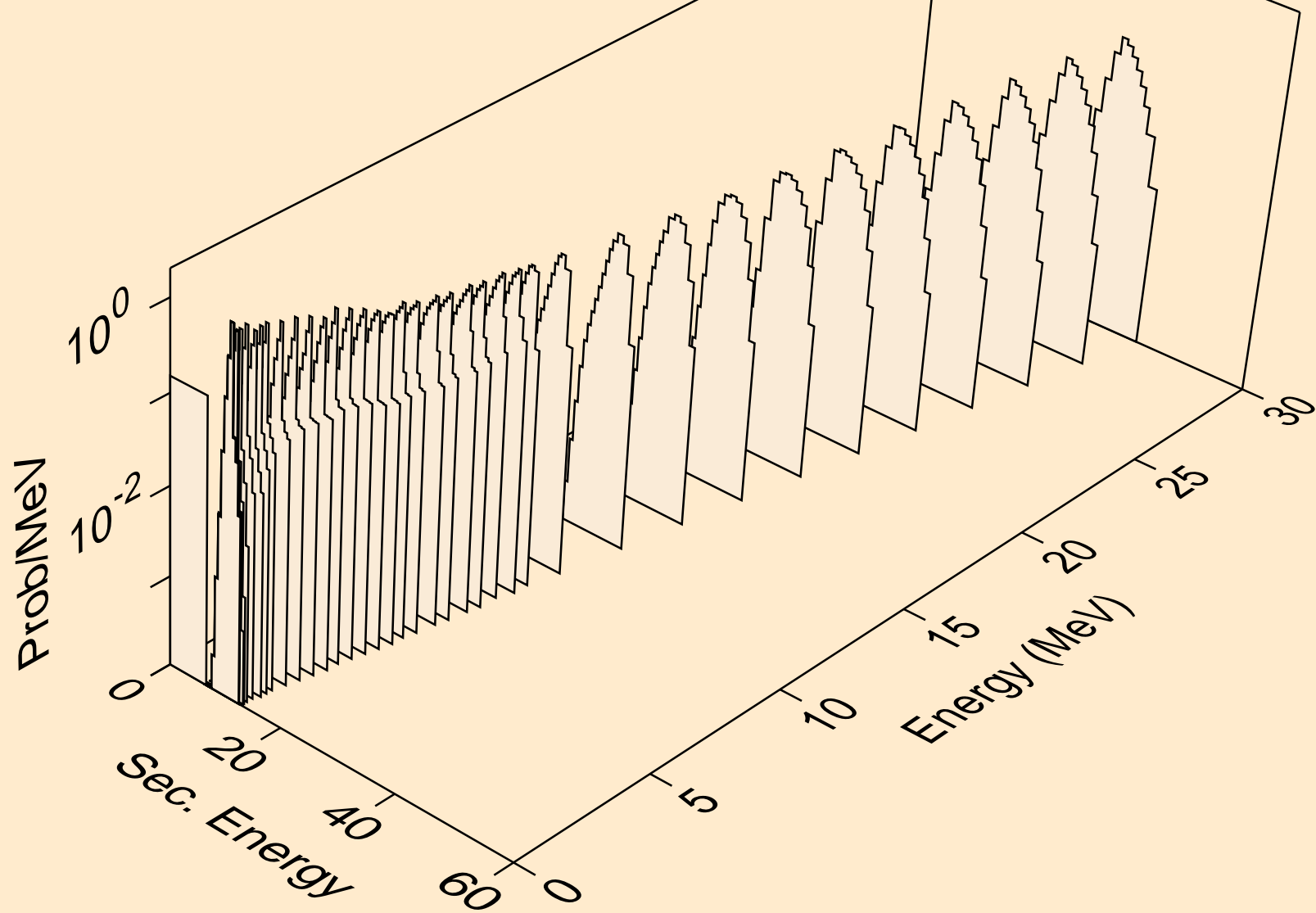


BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)

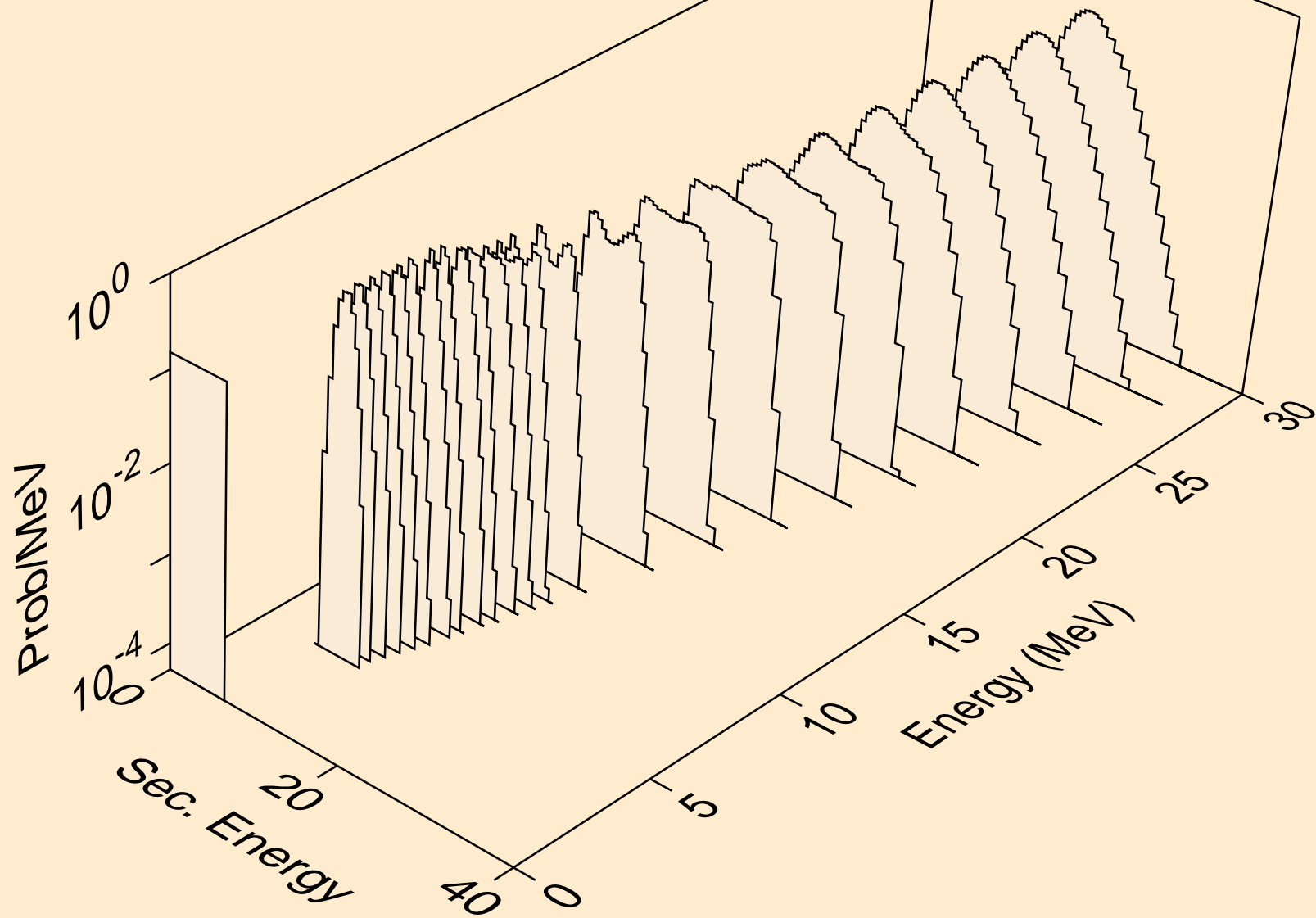




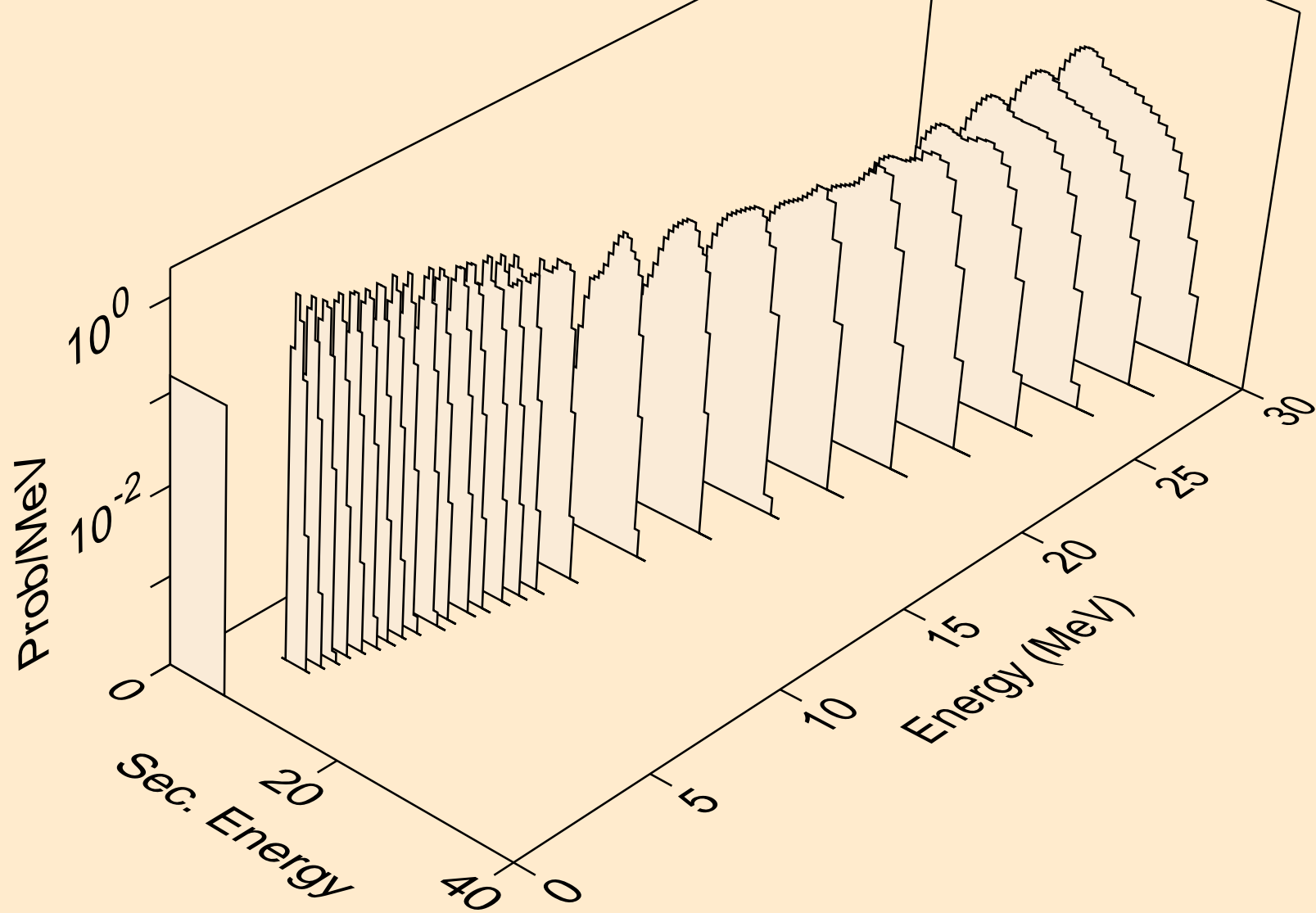
BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



BI202 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

