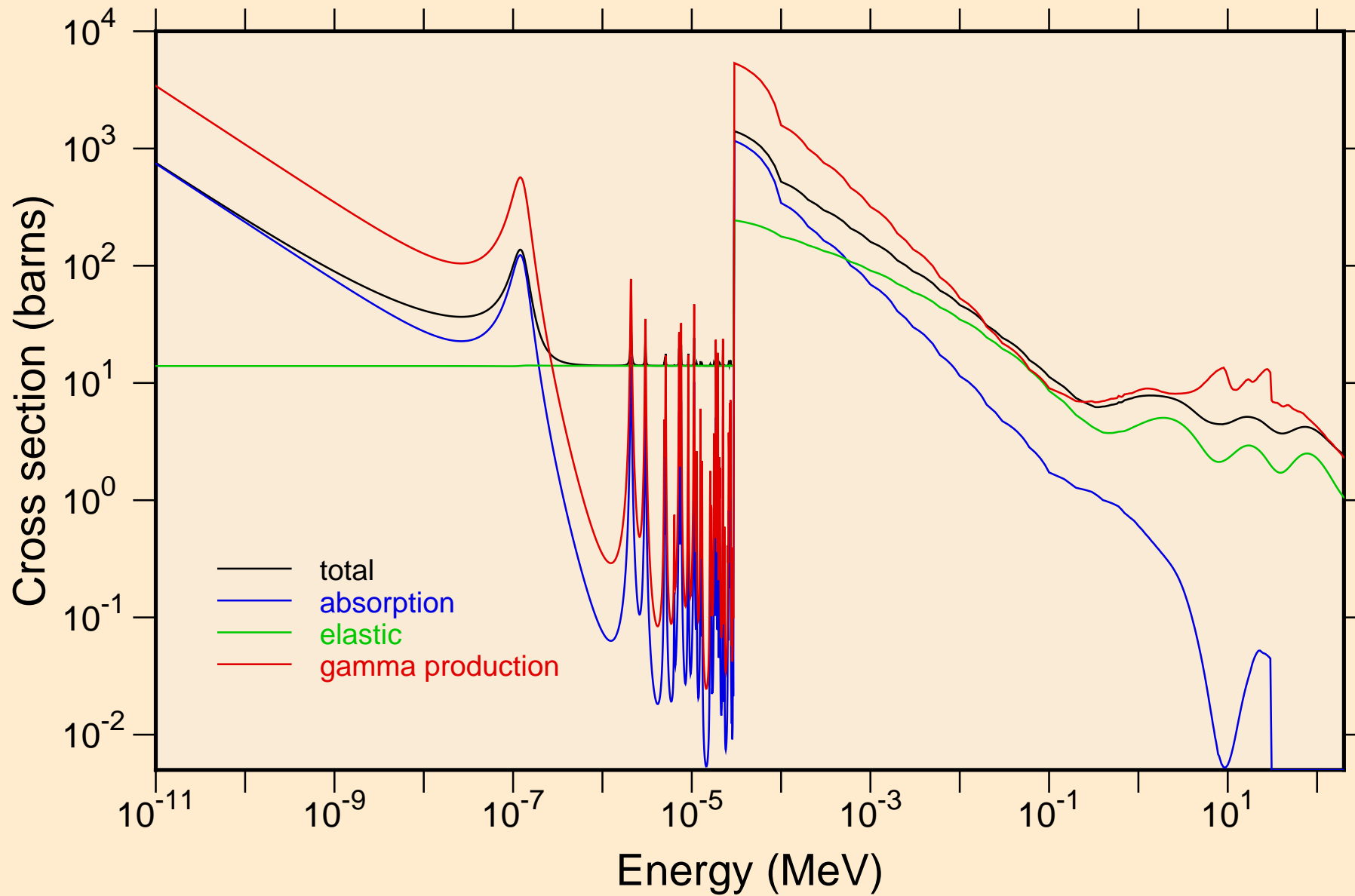
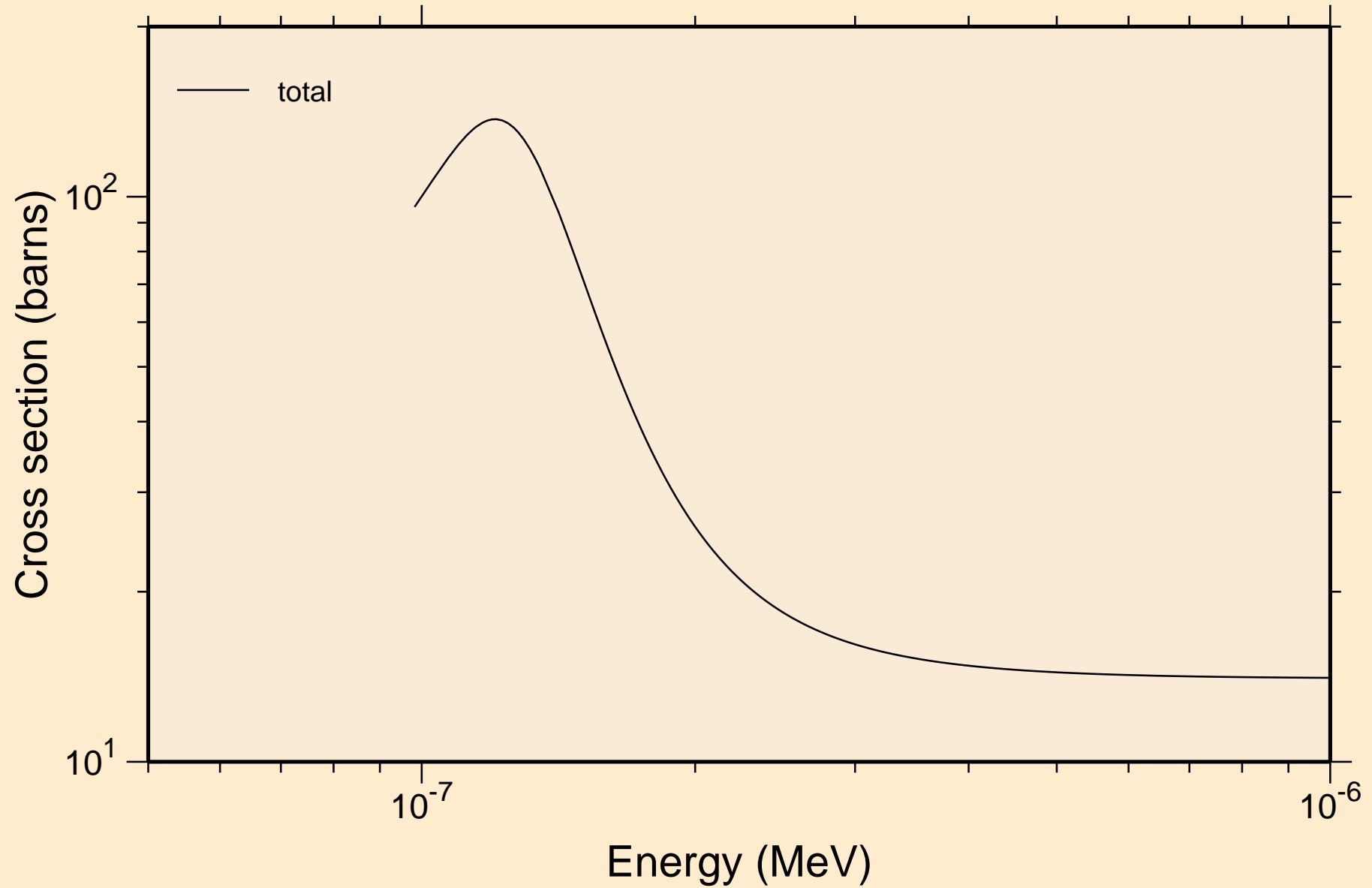


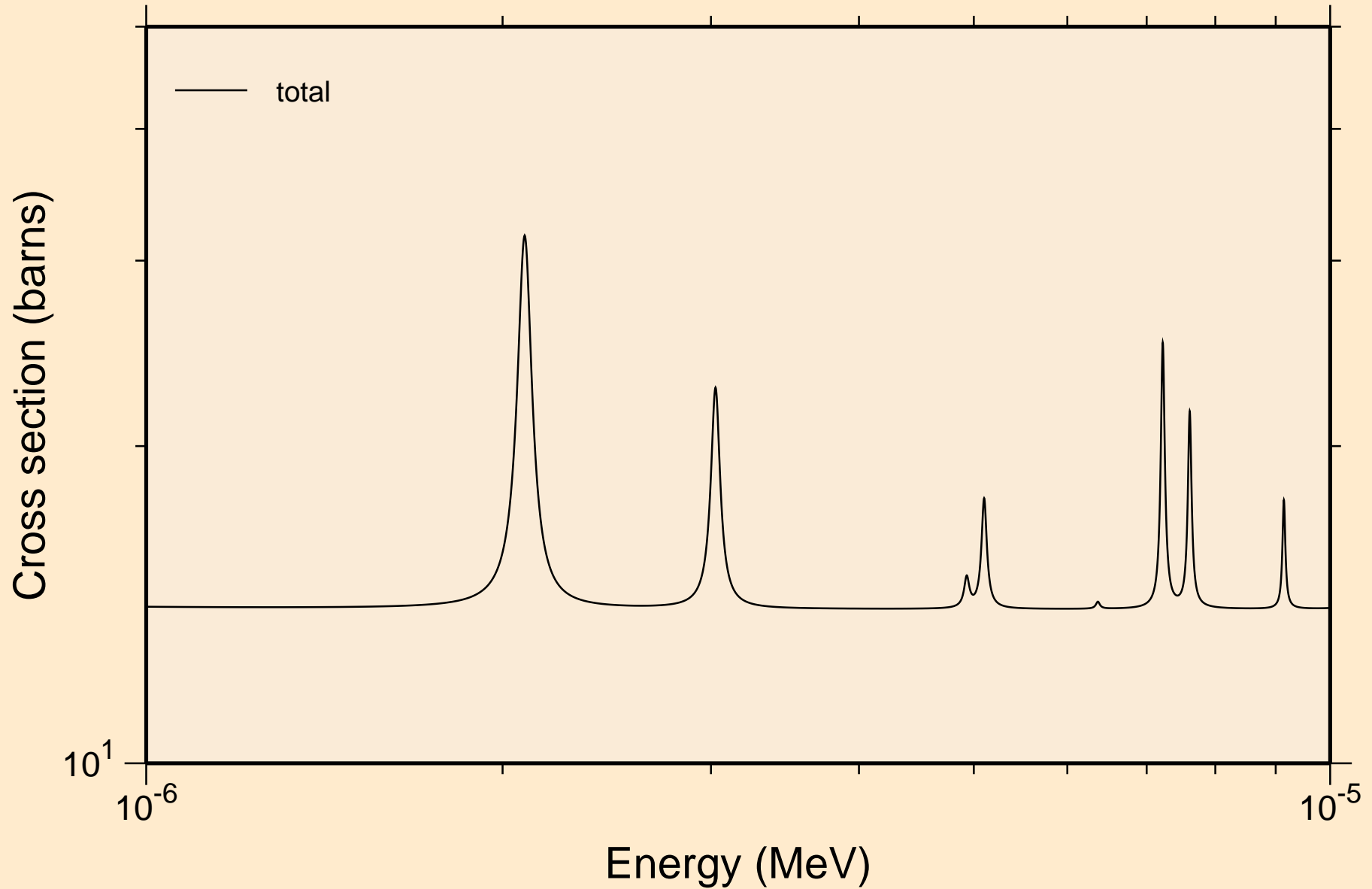
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Principal cross sections



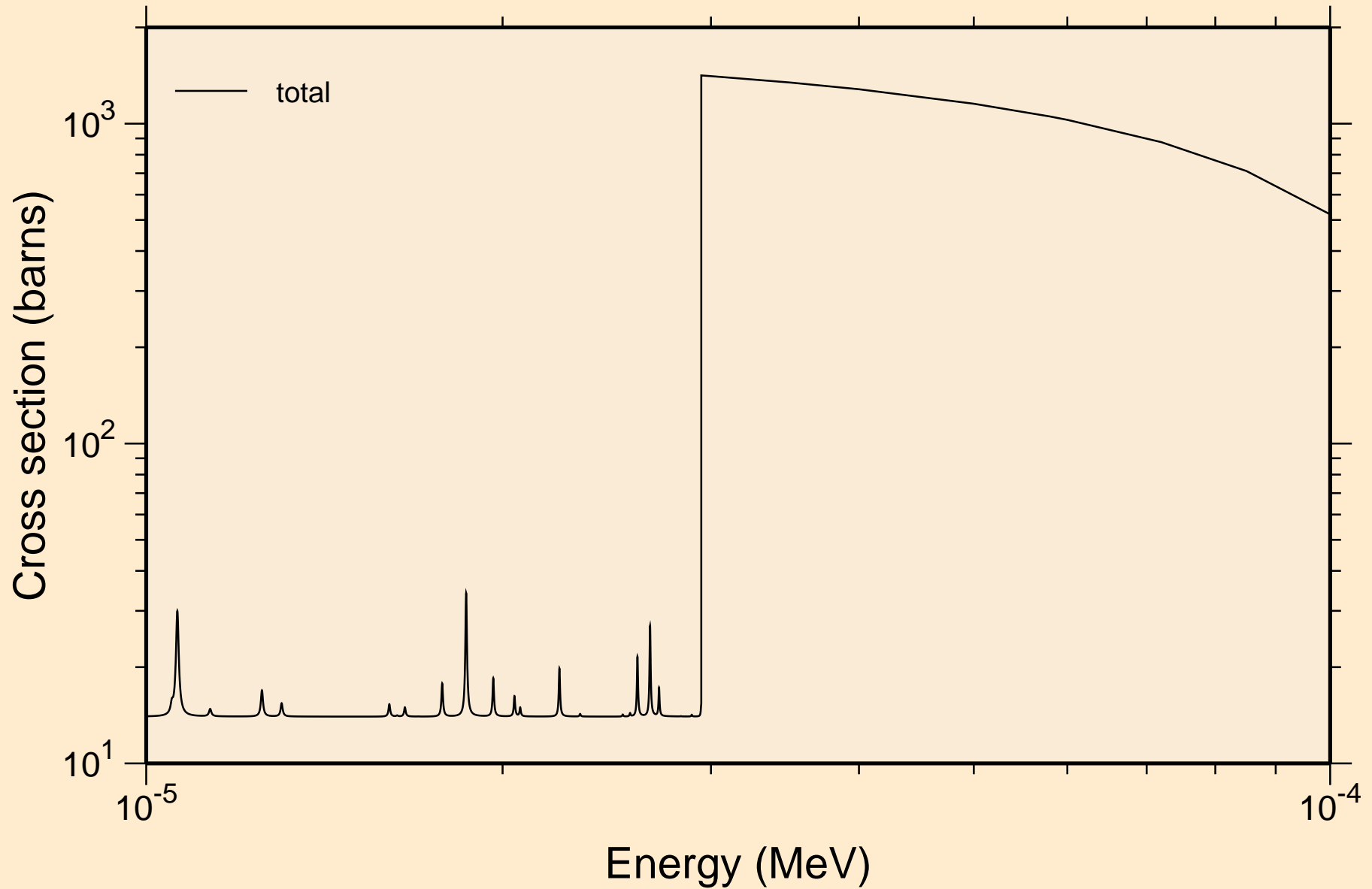
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



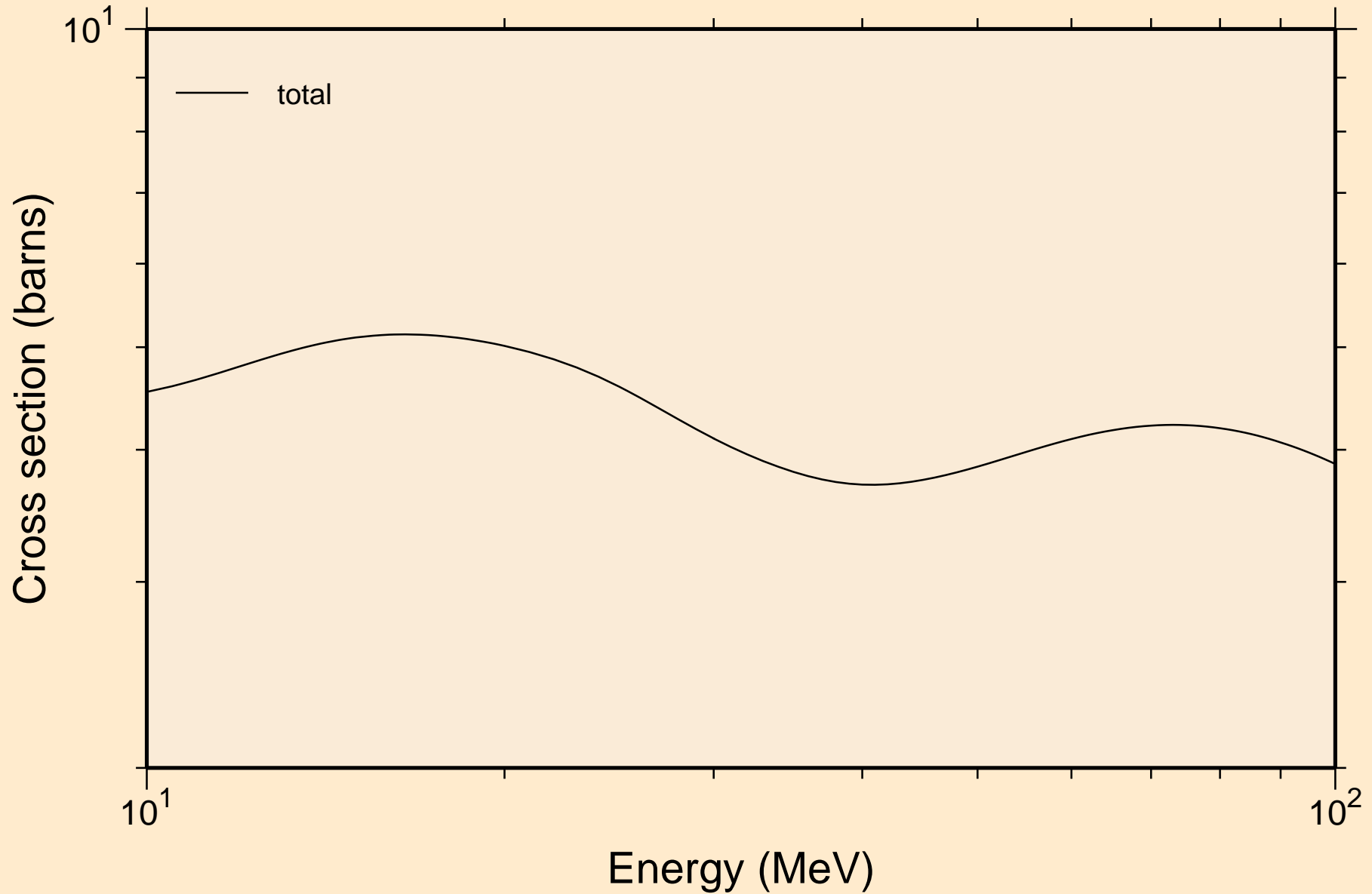
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



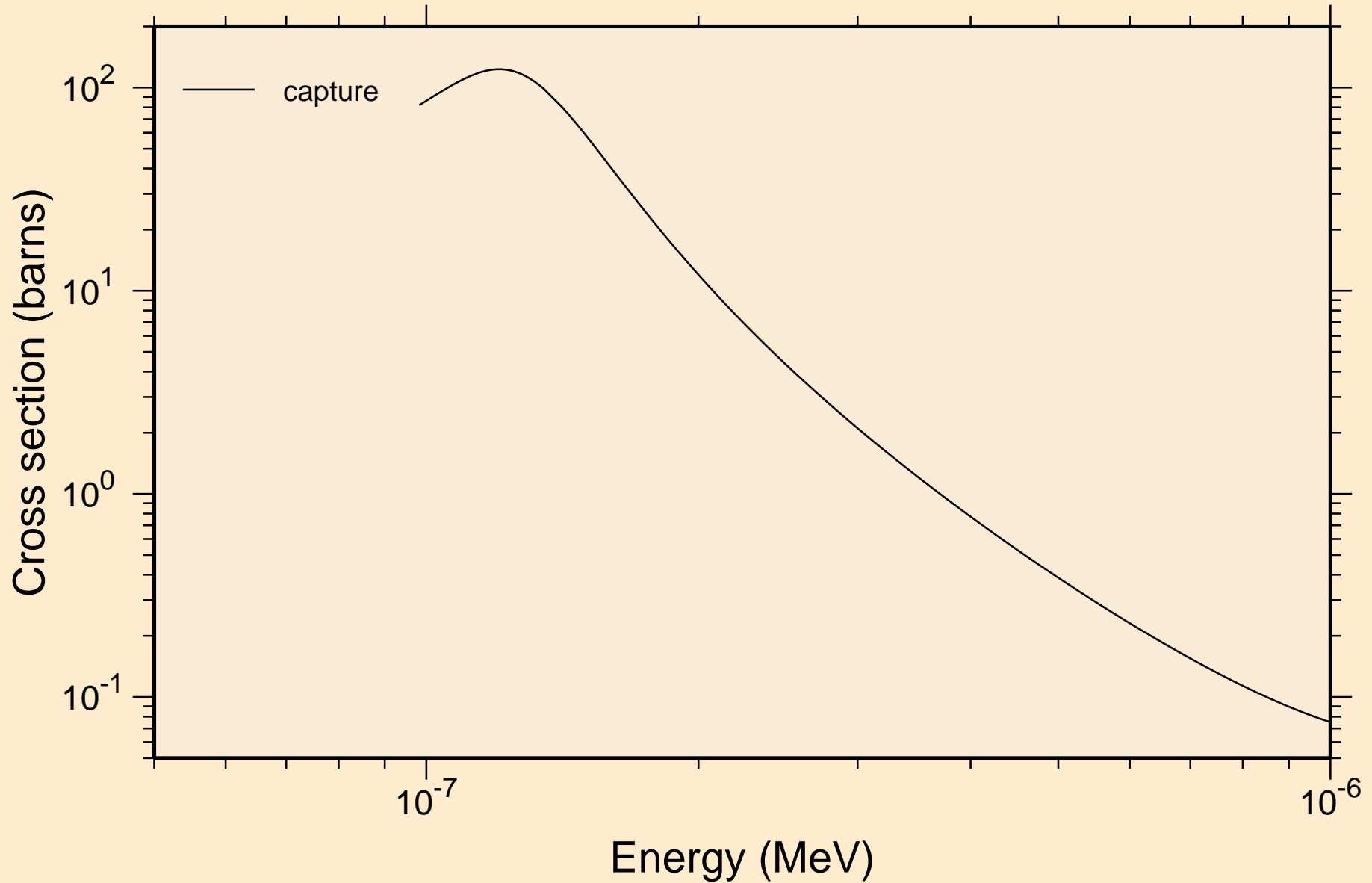
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



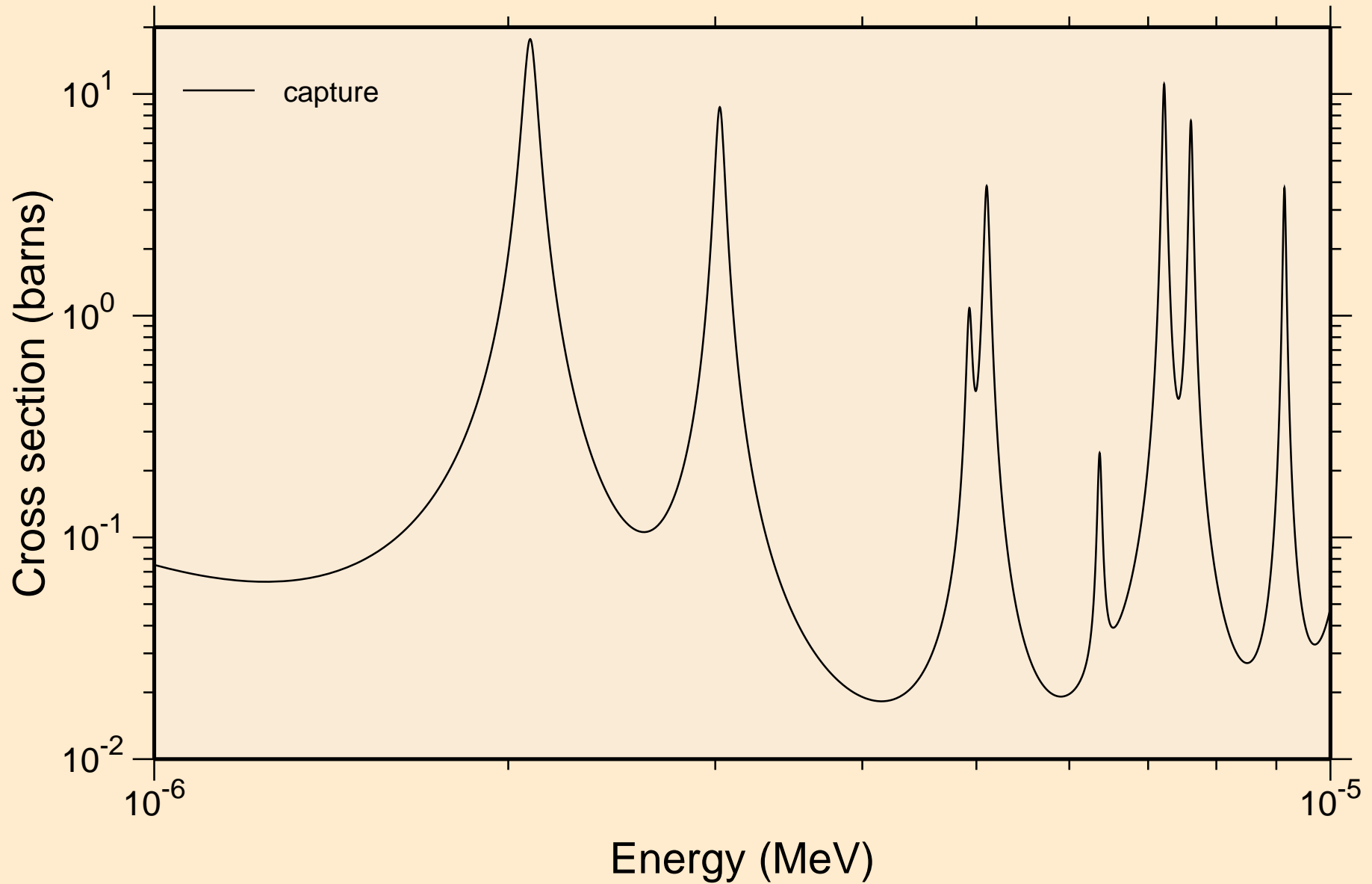
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



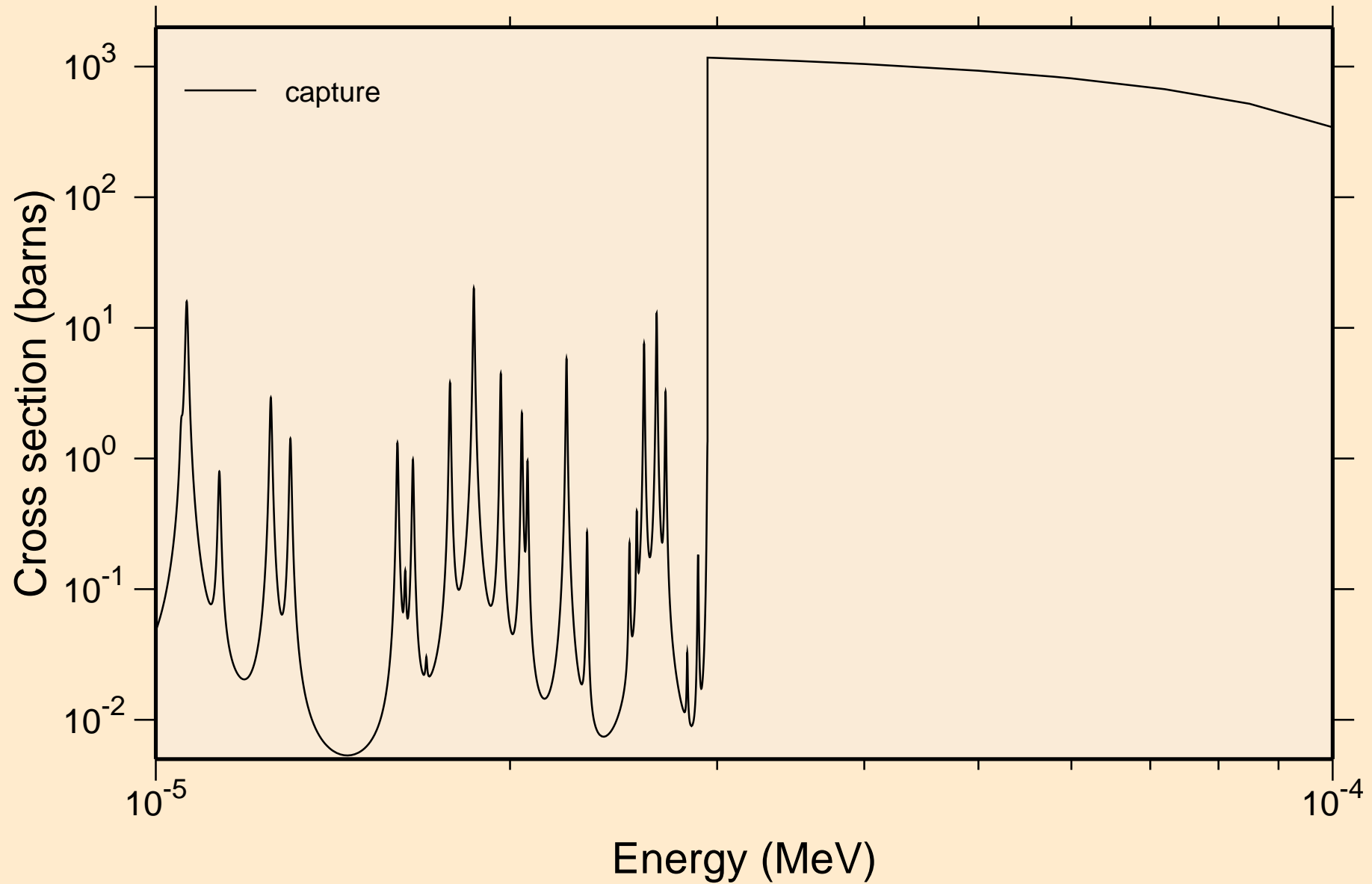
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

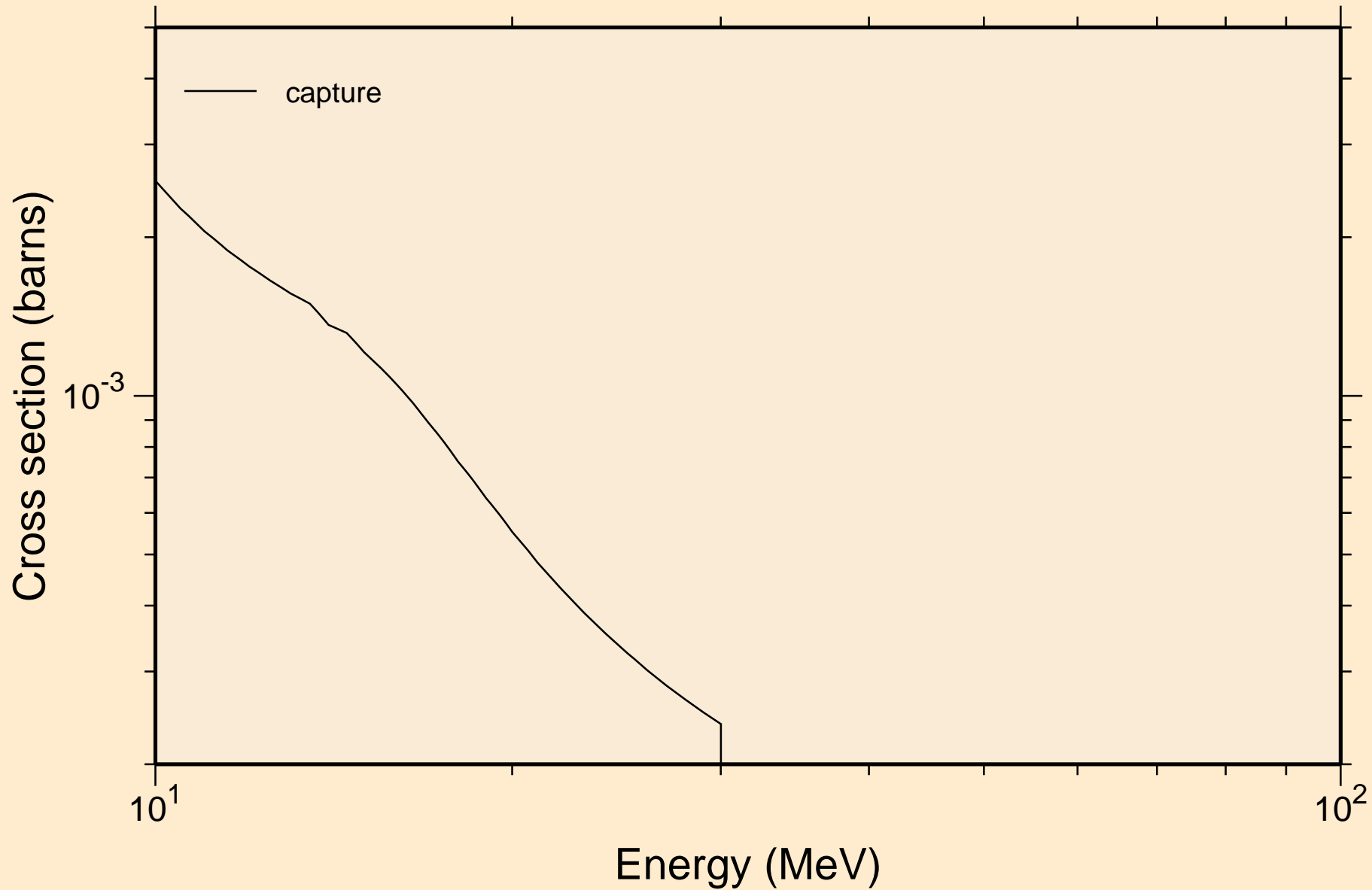


TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

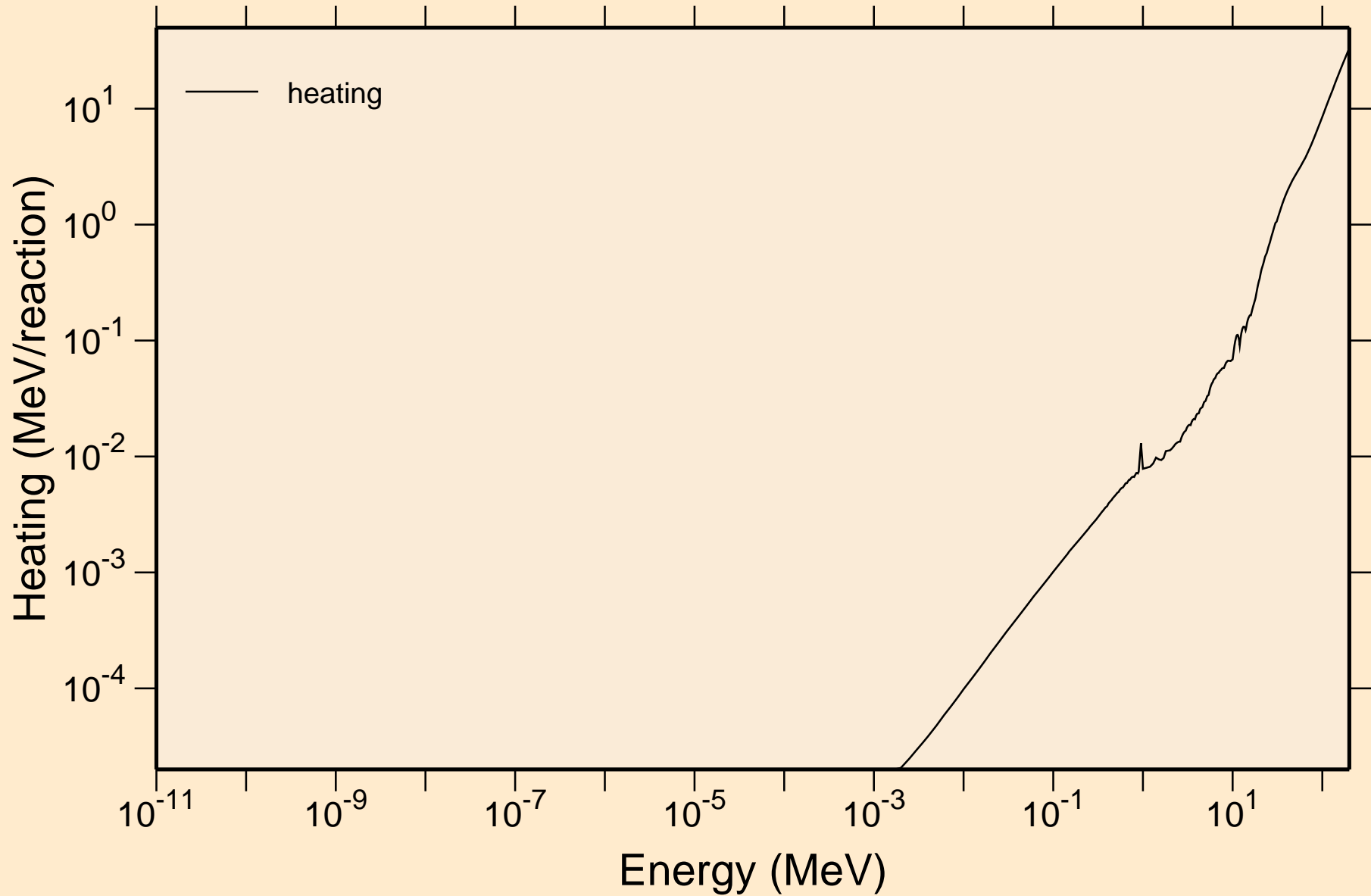




TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections

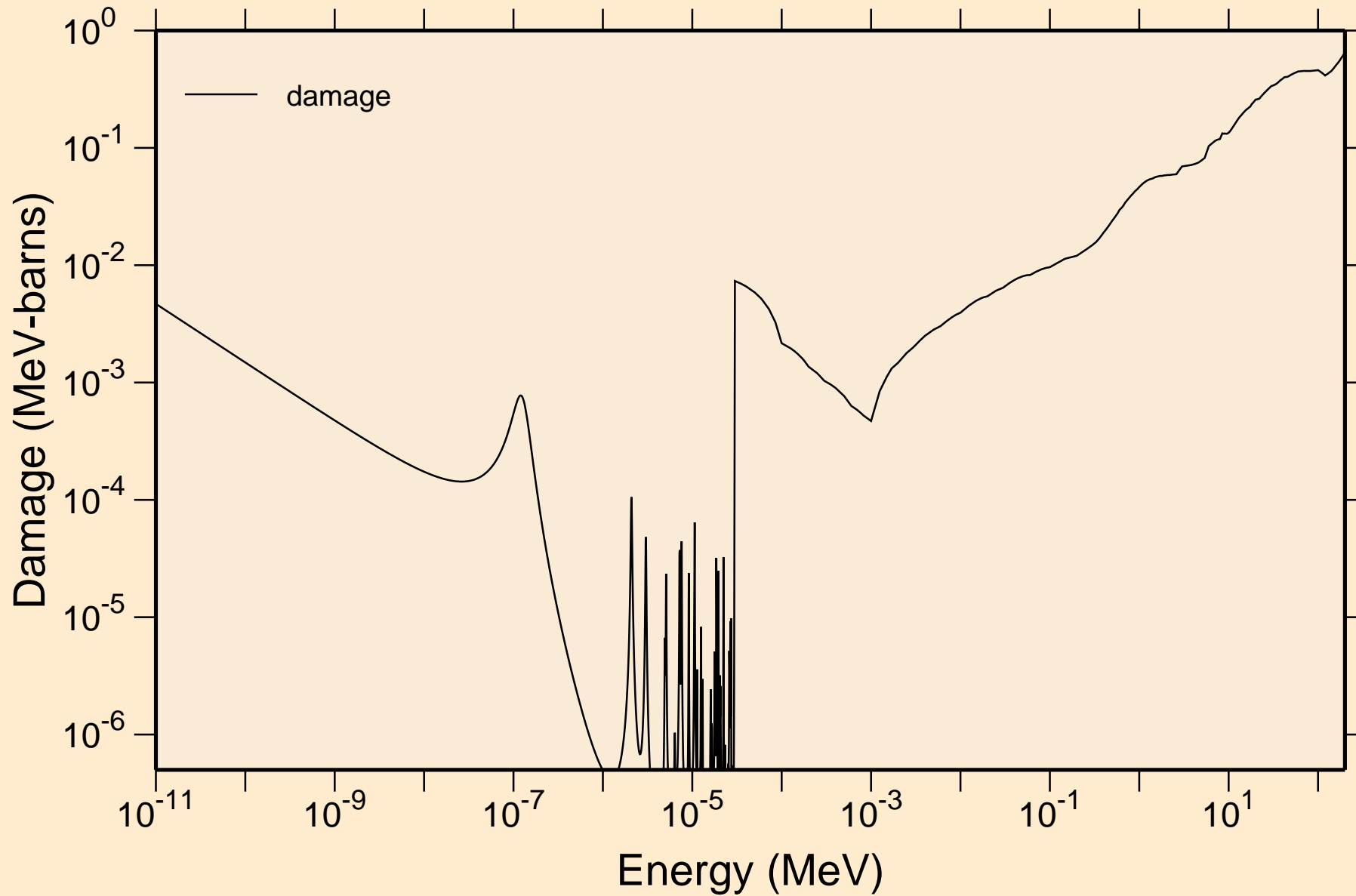


TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Heating

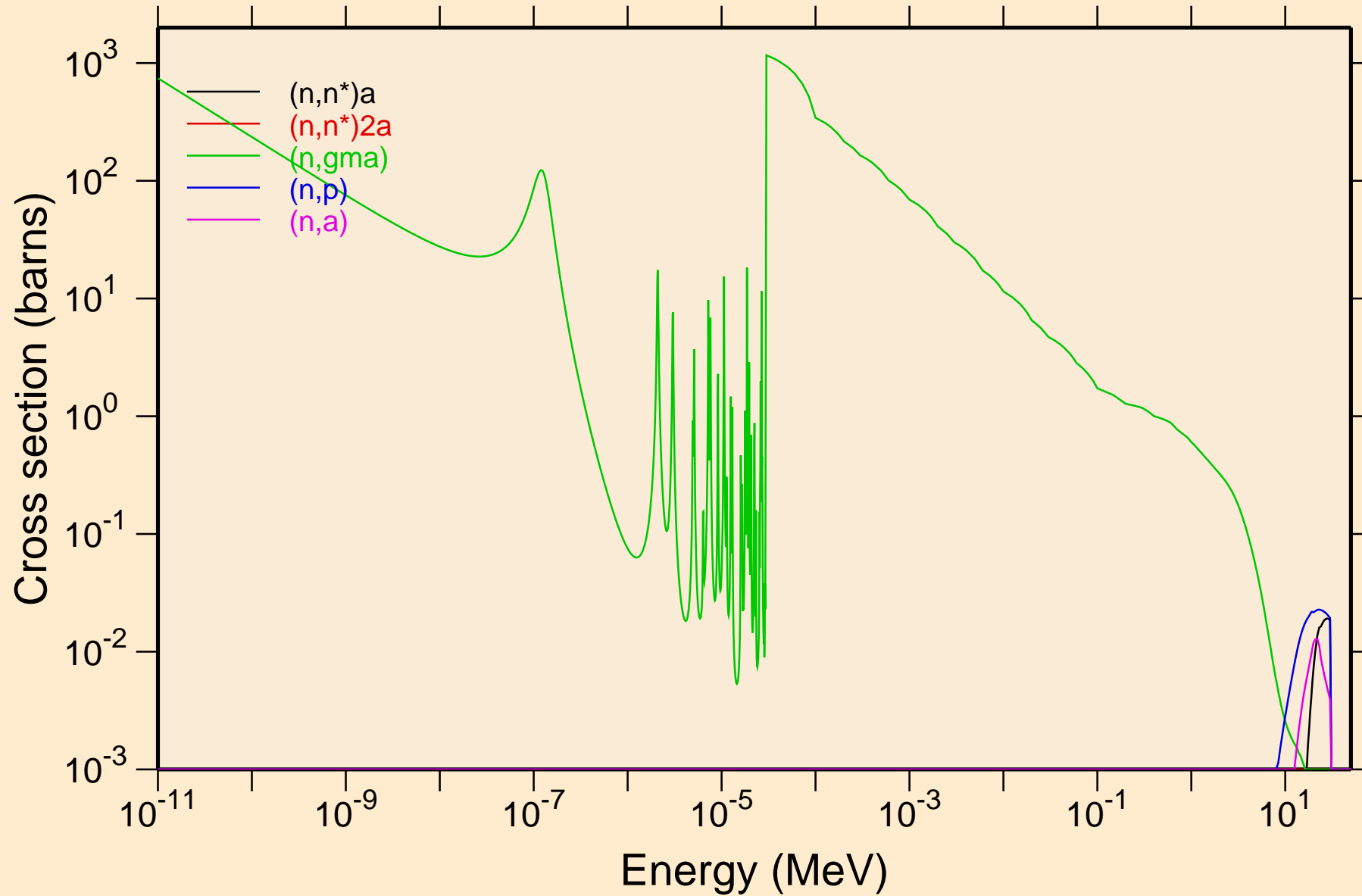


# TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

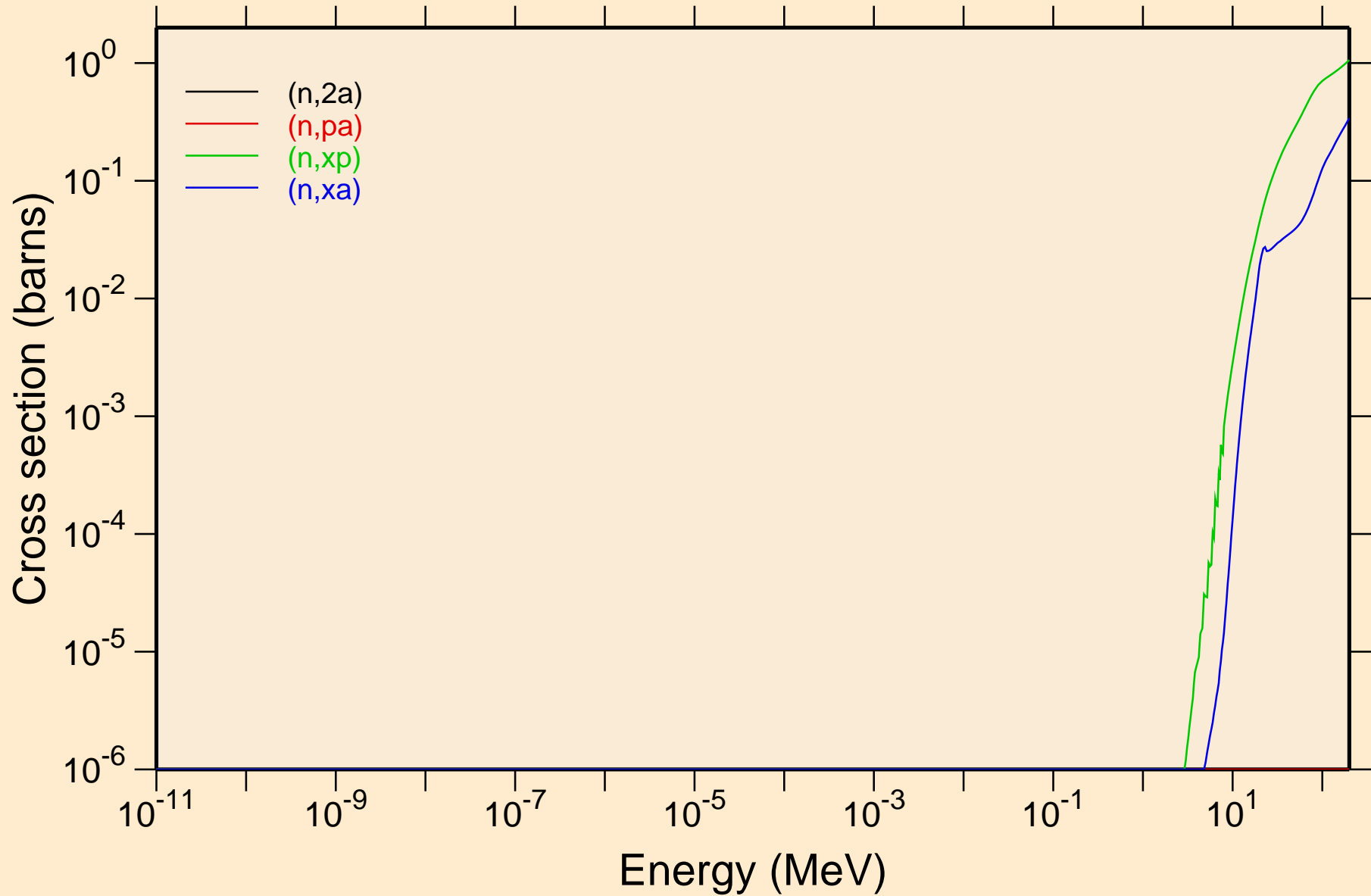
## Damage



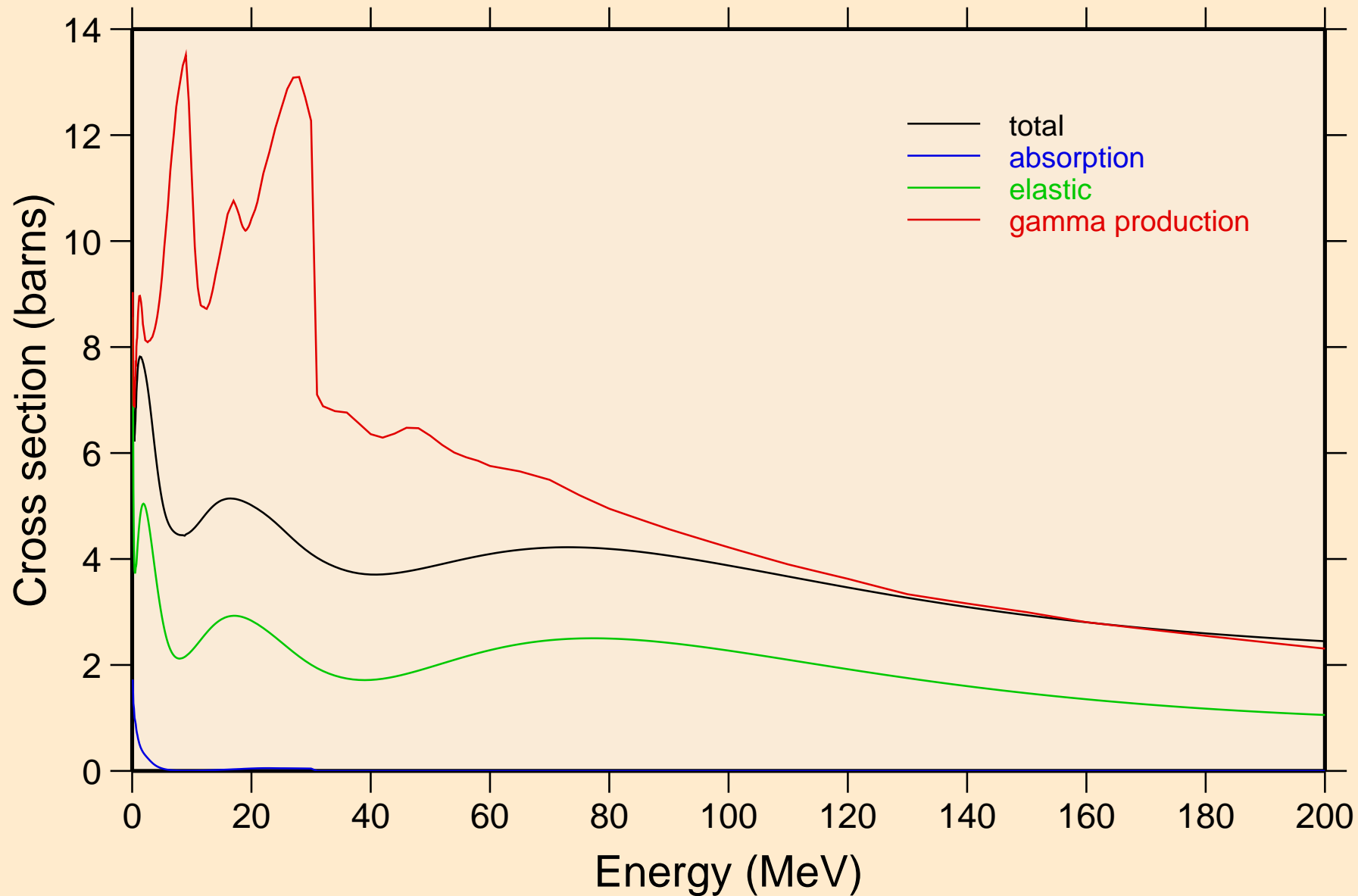
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

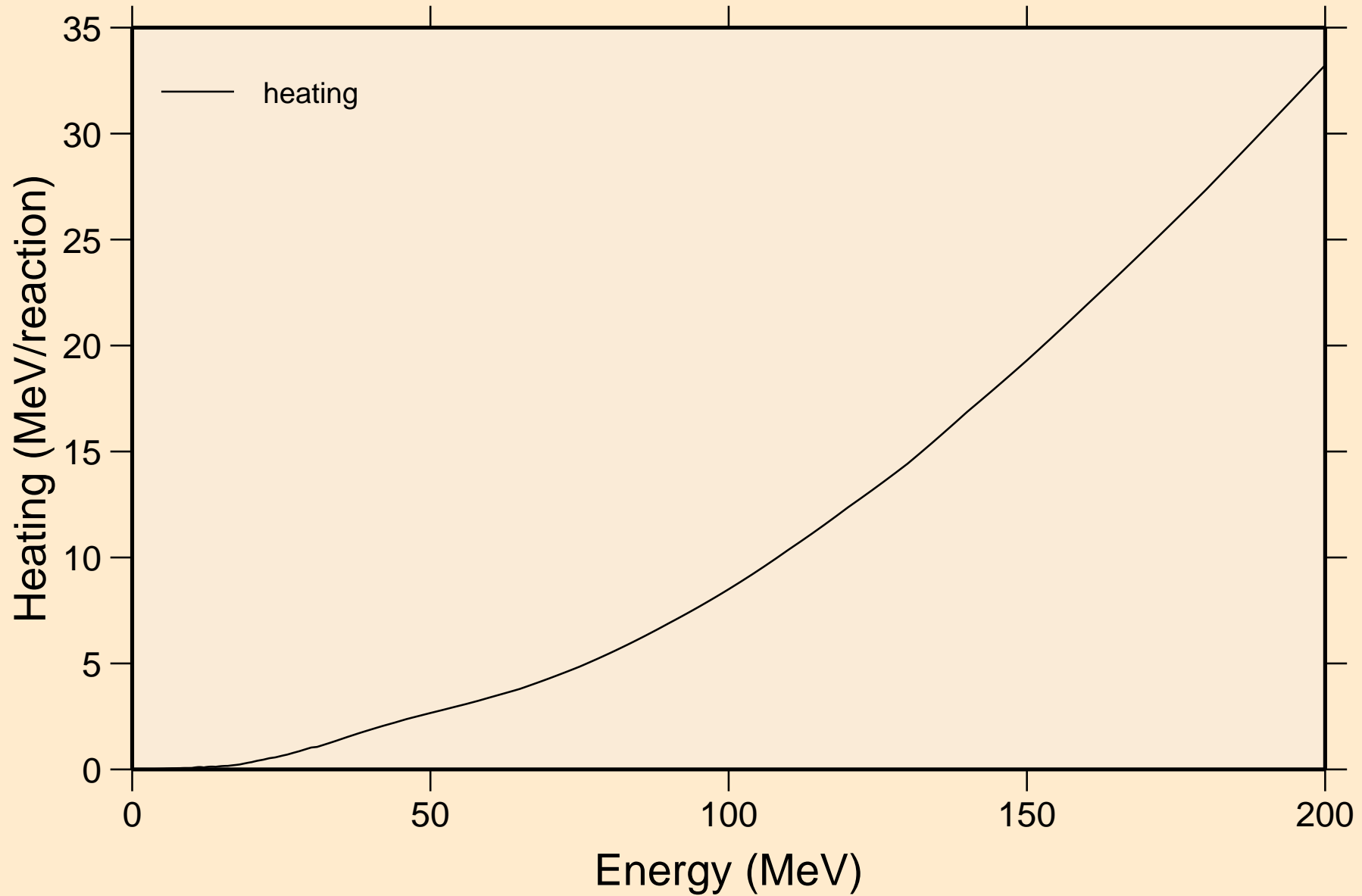


TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Principal cross sections

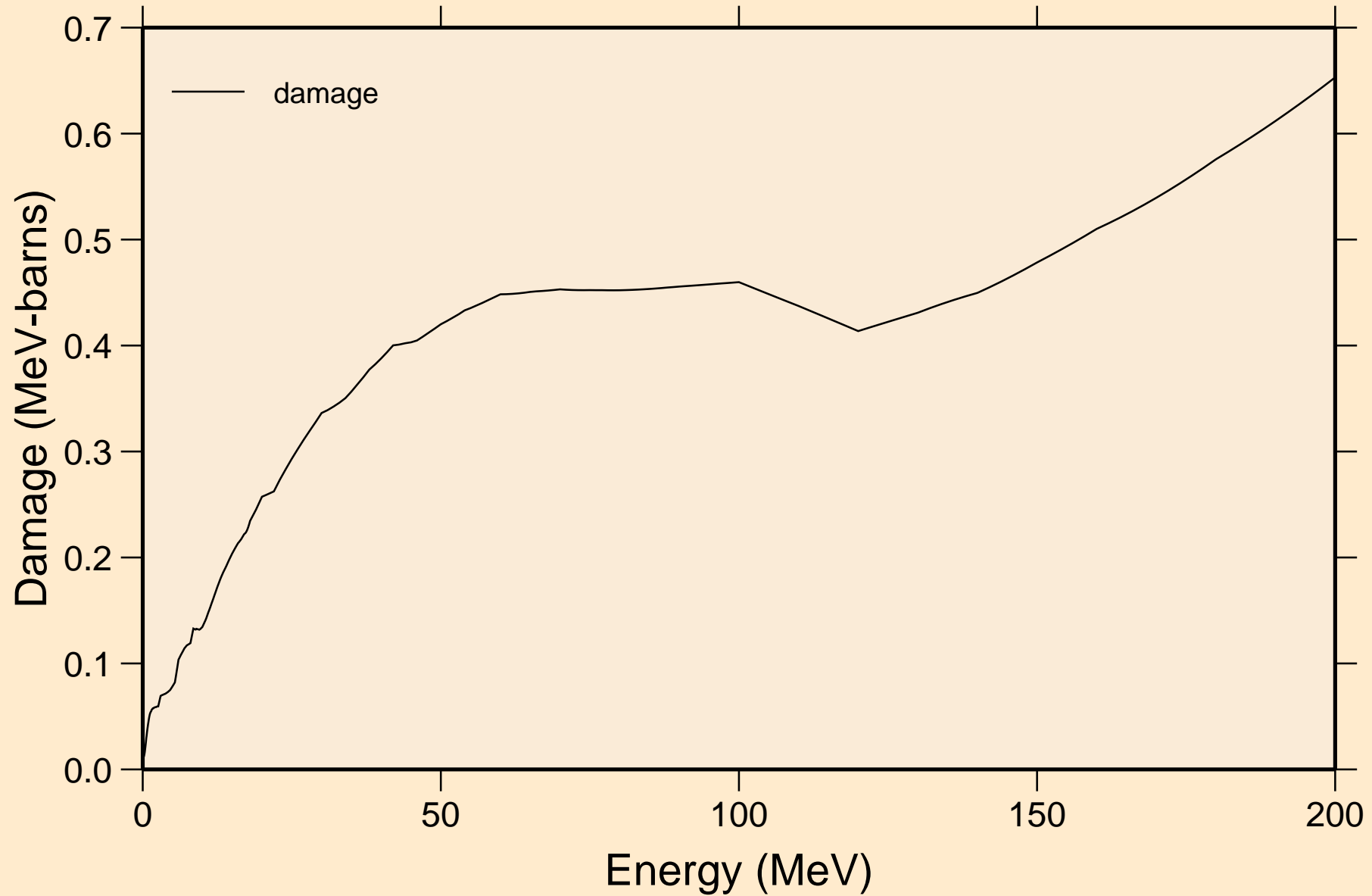


# TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

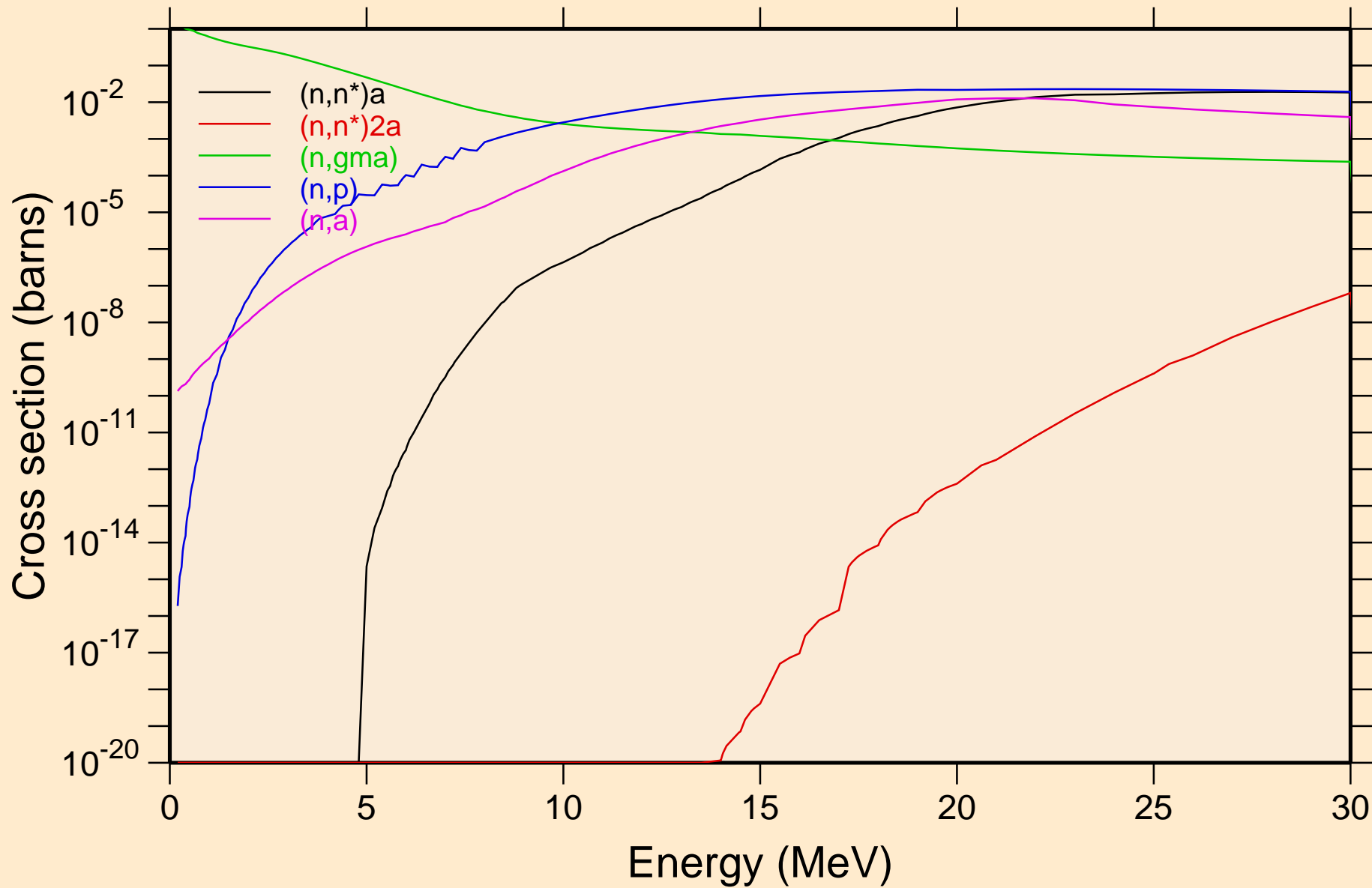


TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage

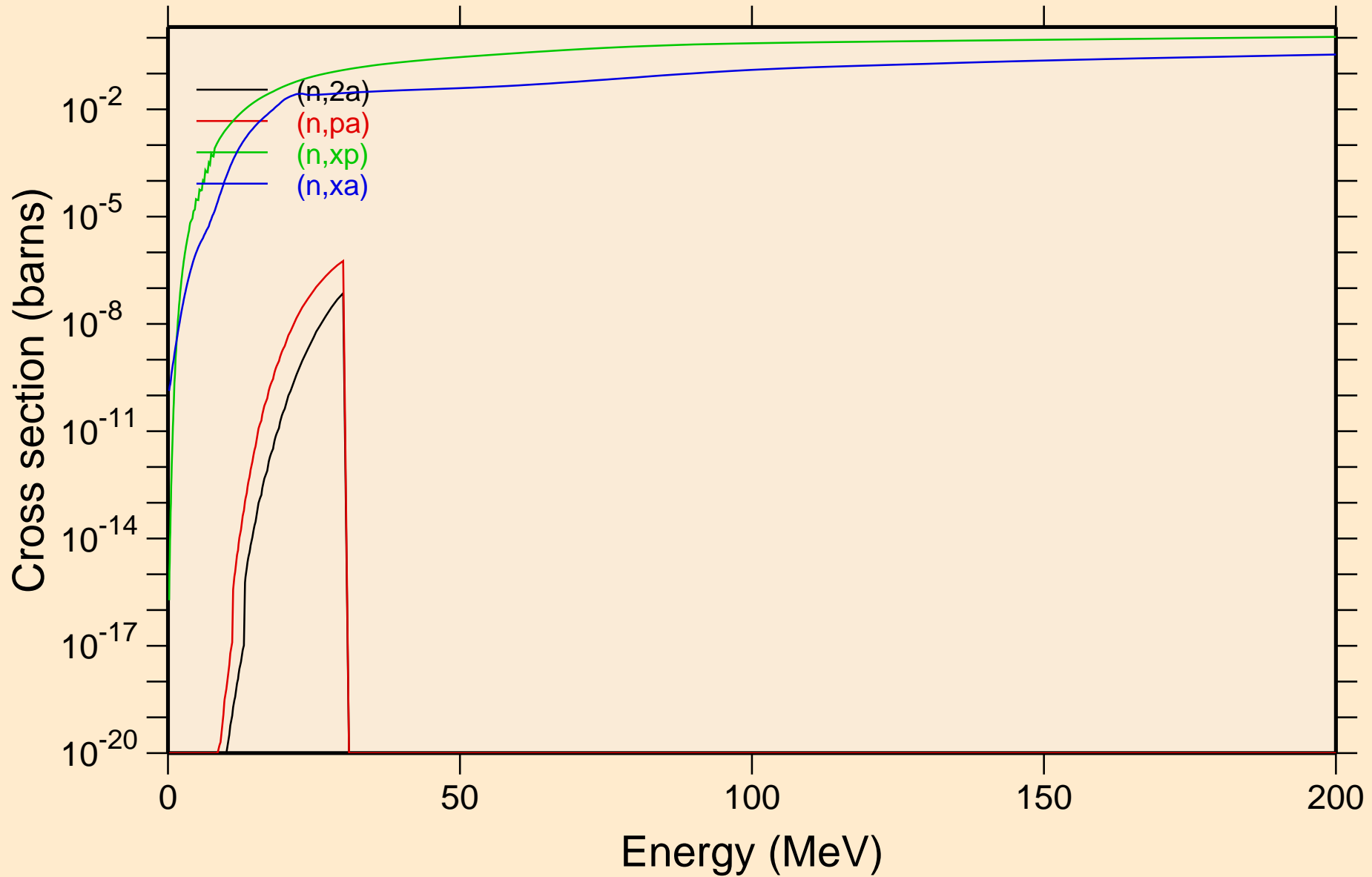




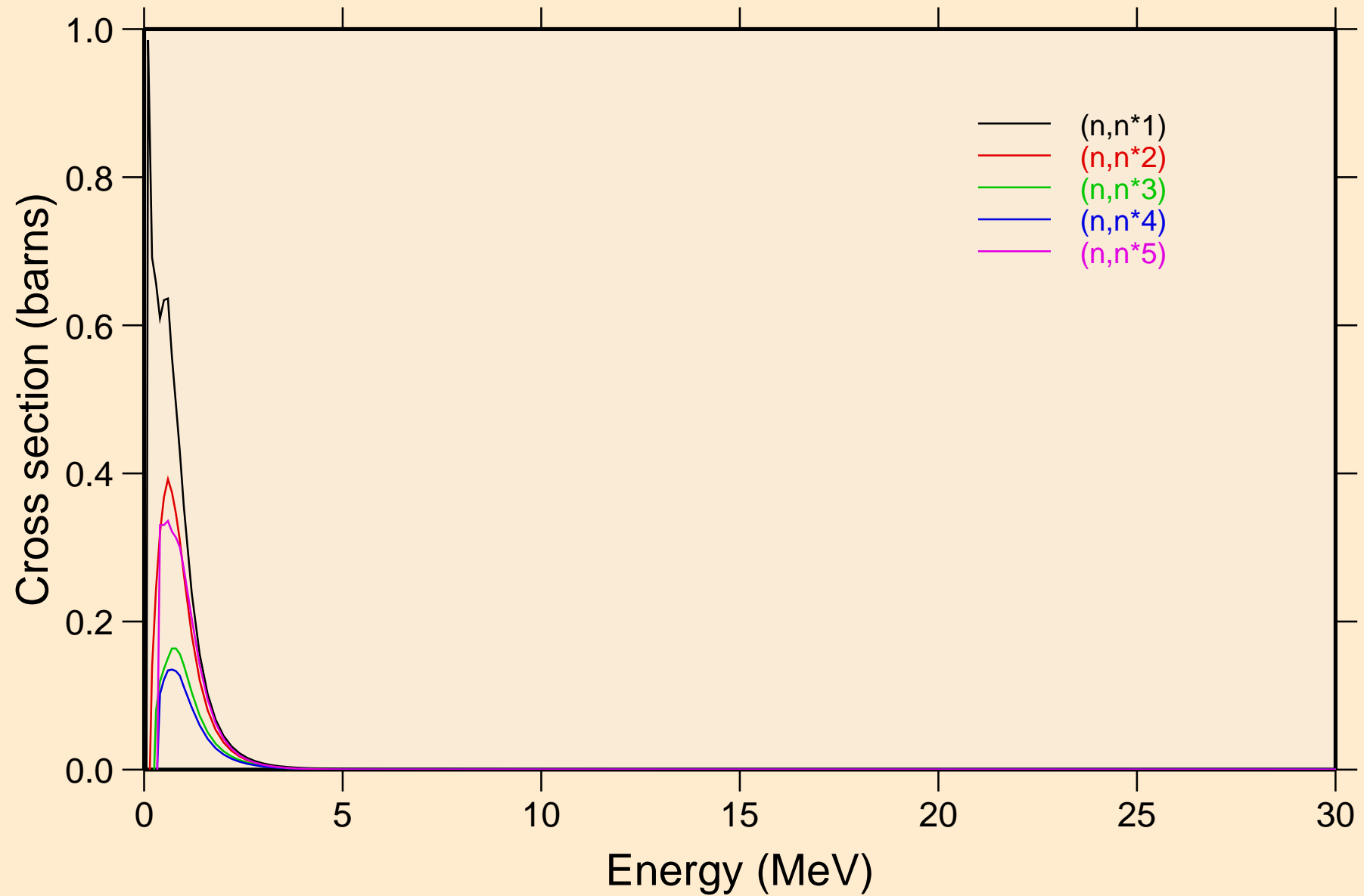
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



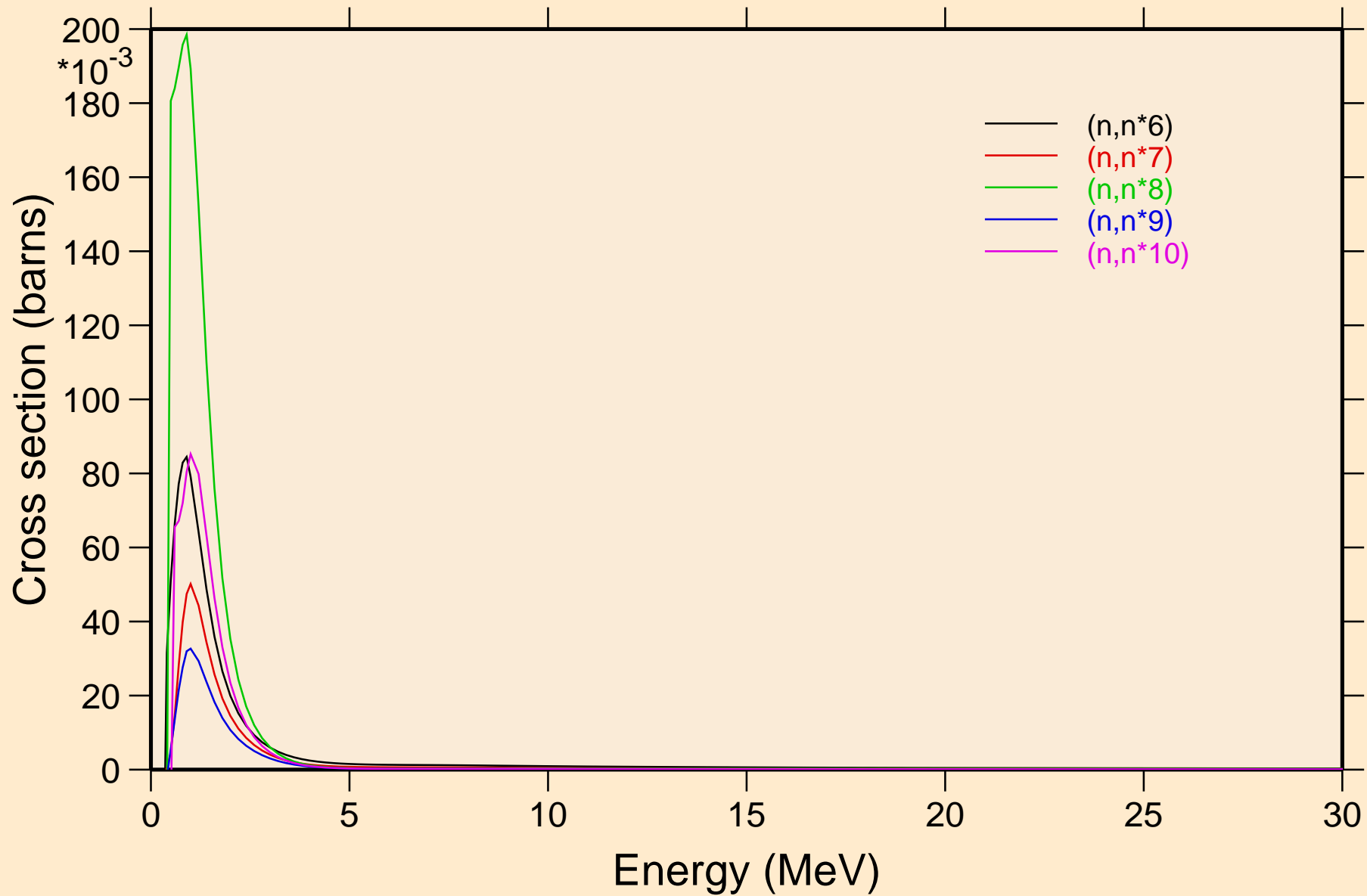
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



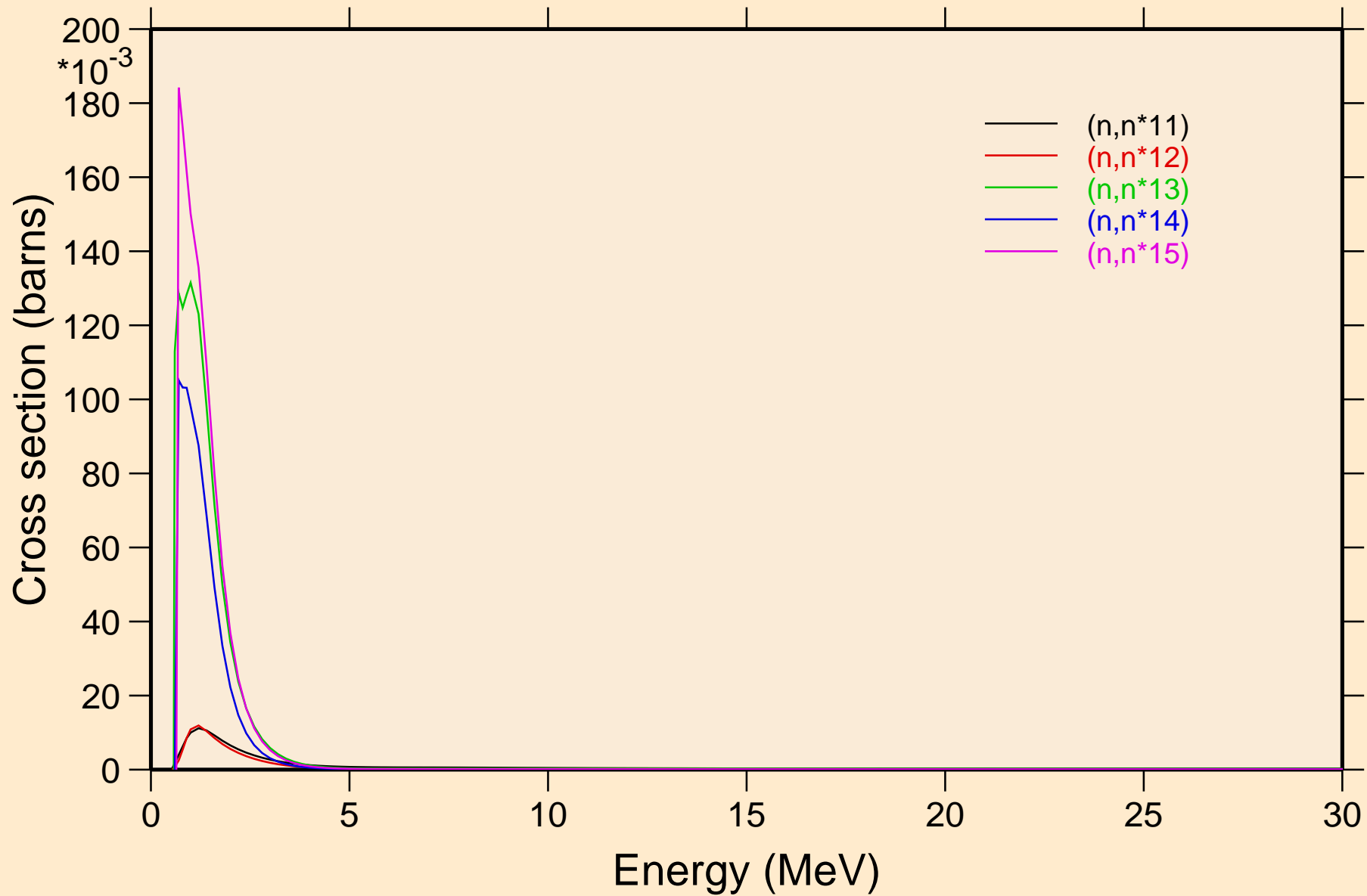
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



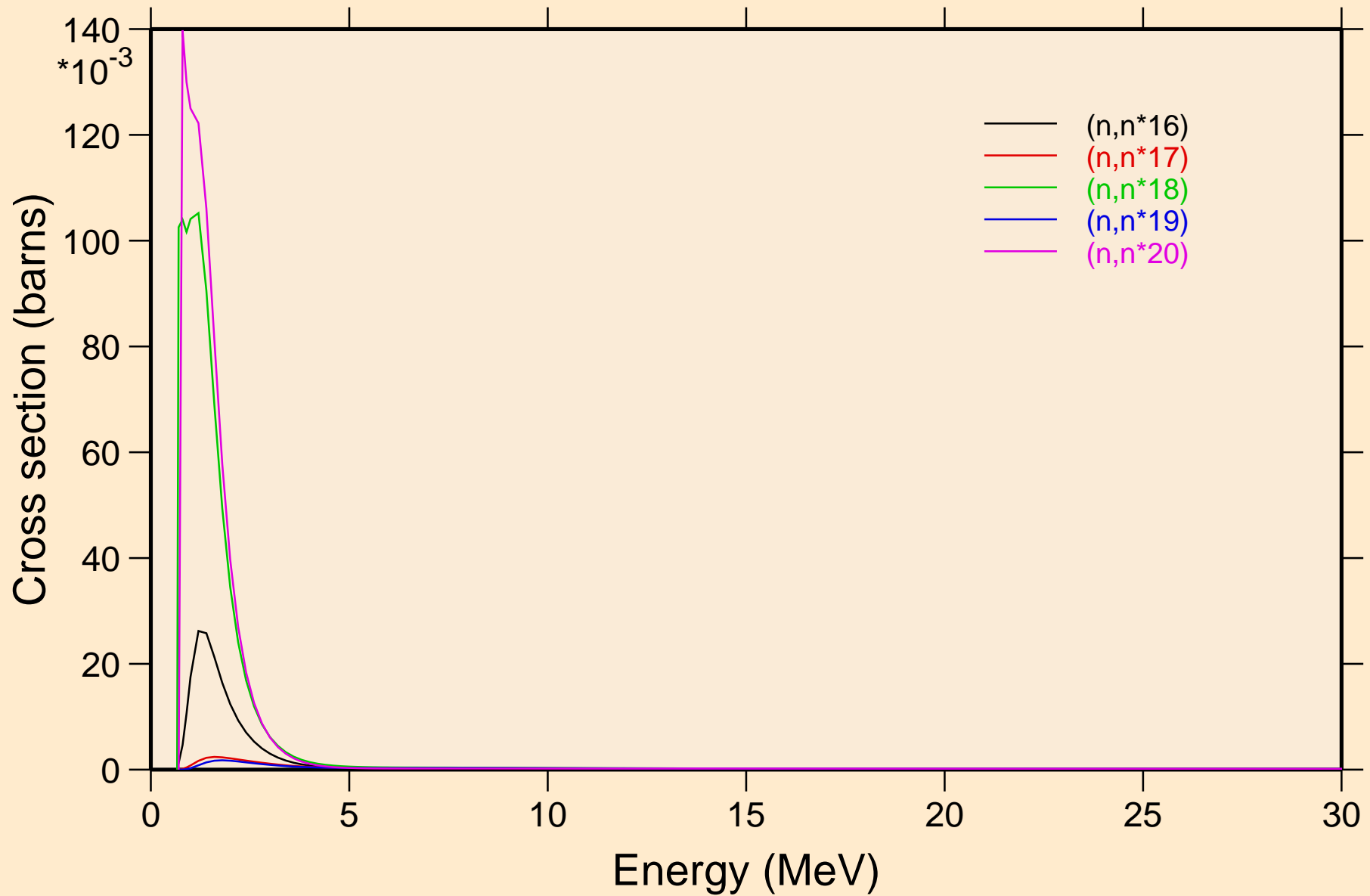
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



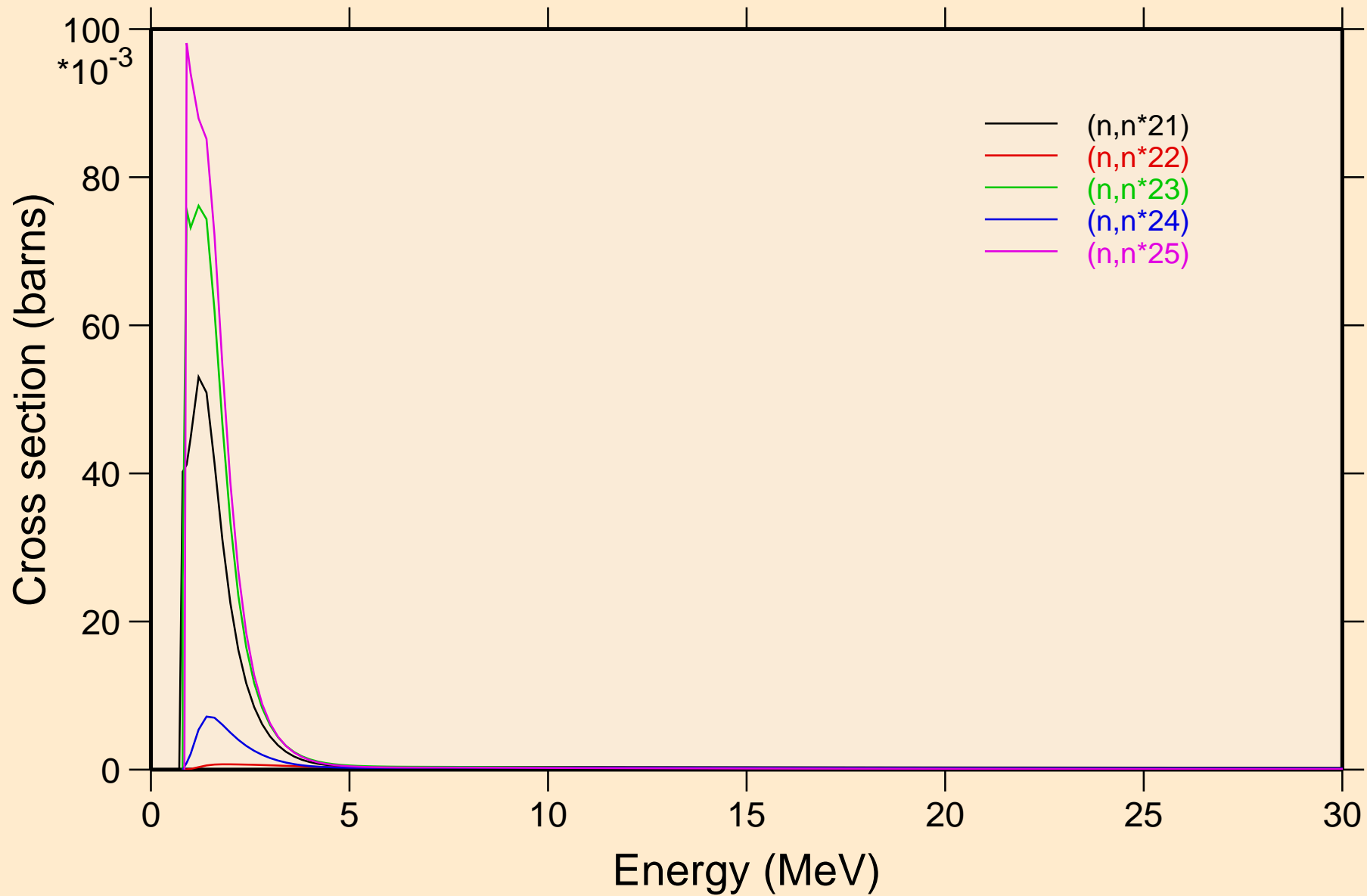
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



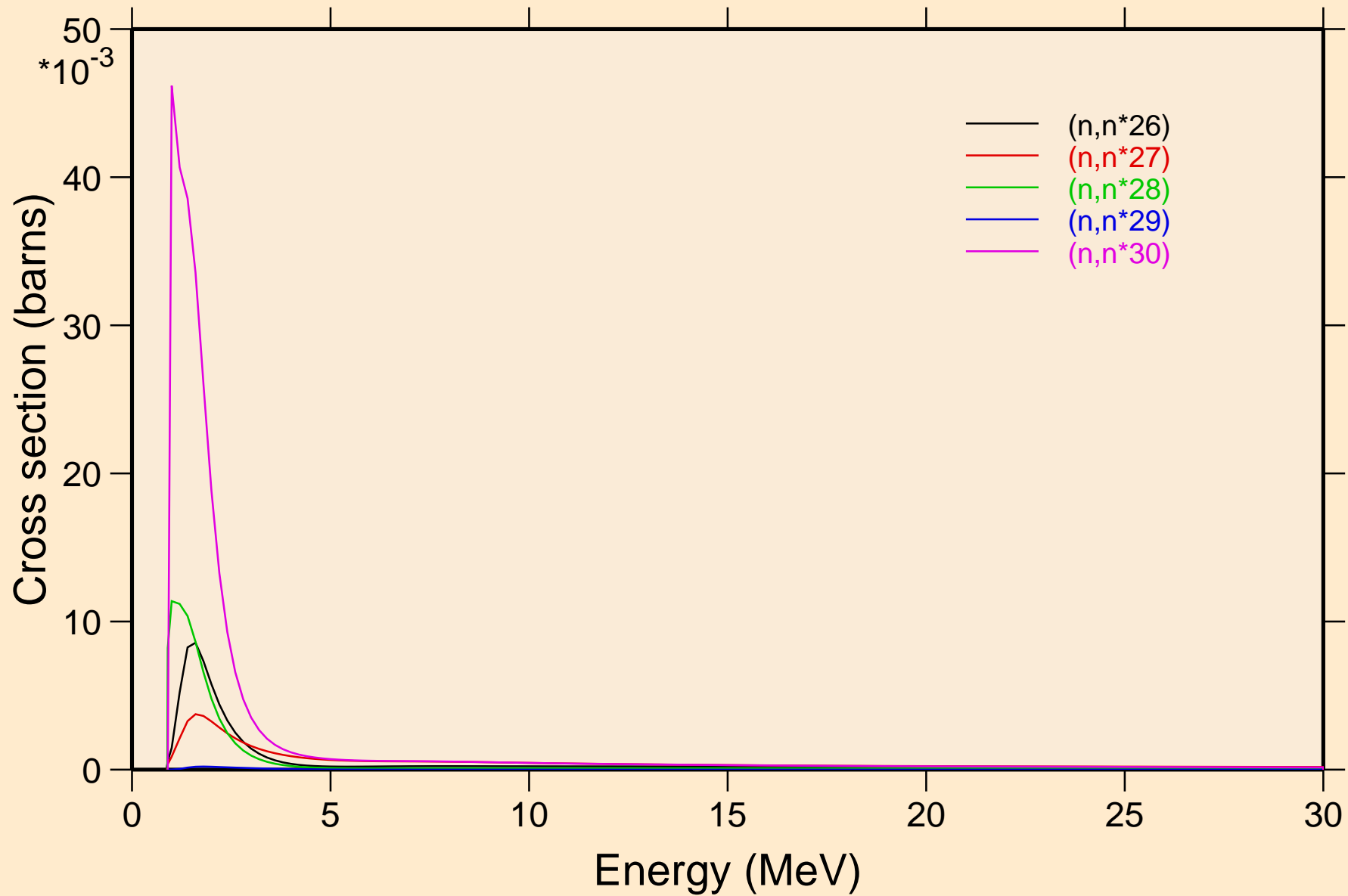
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

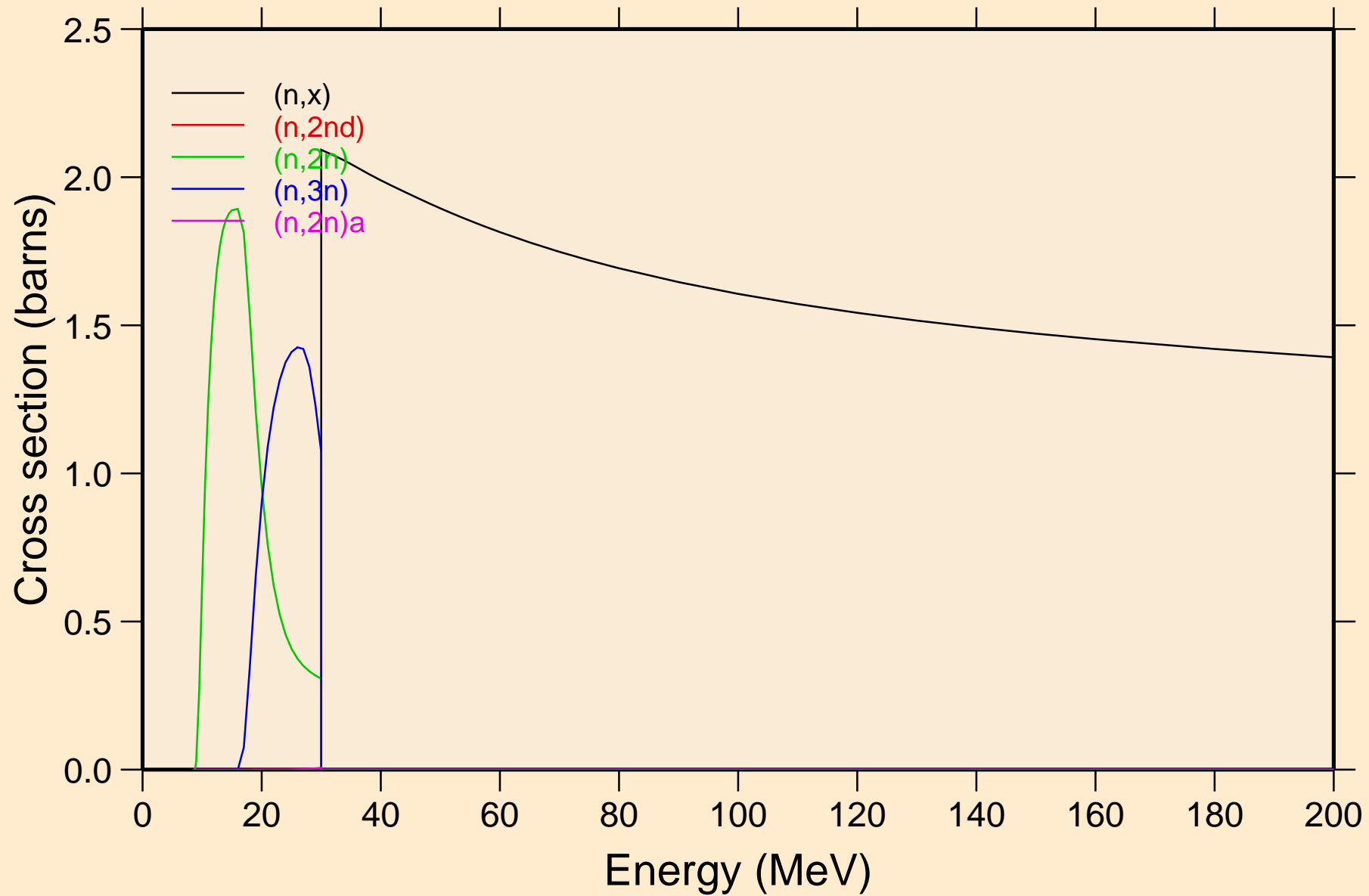


TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



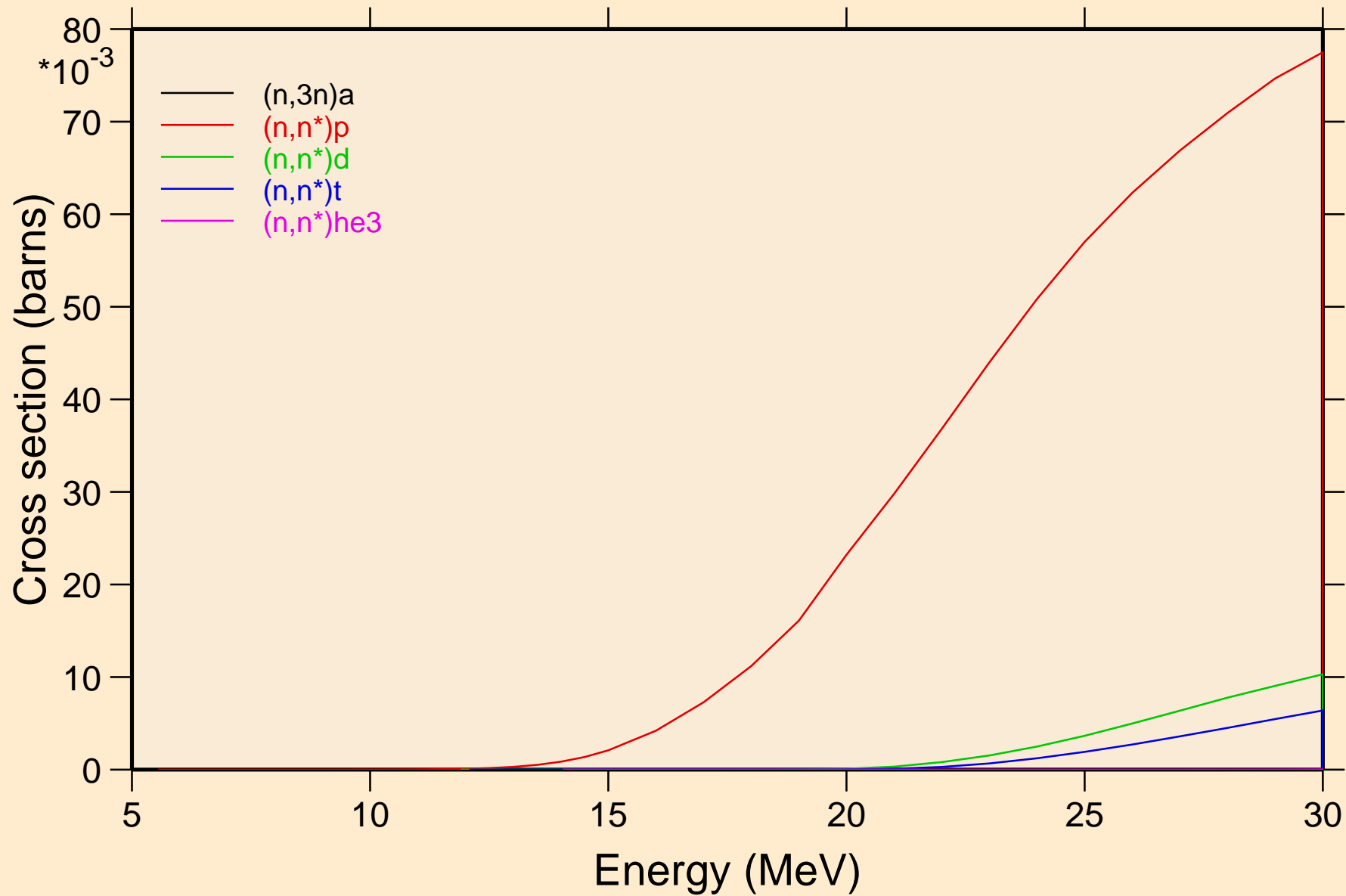


TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



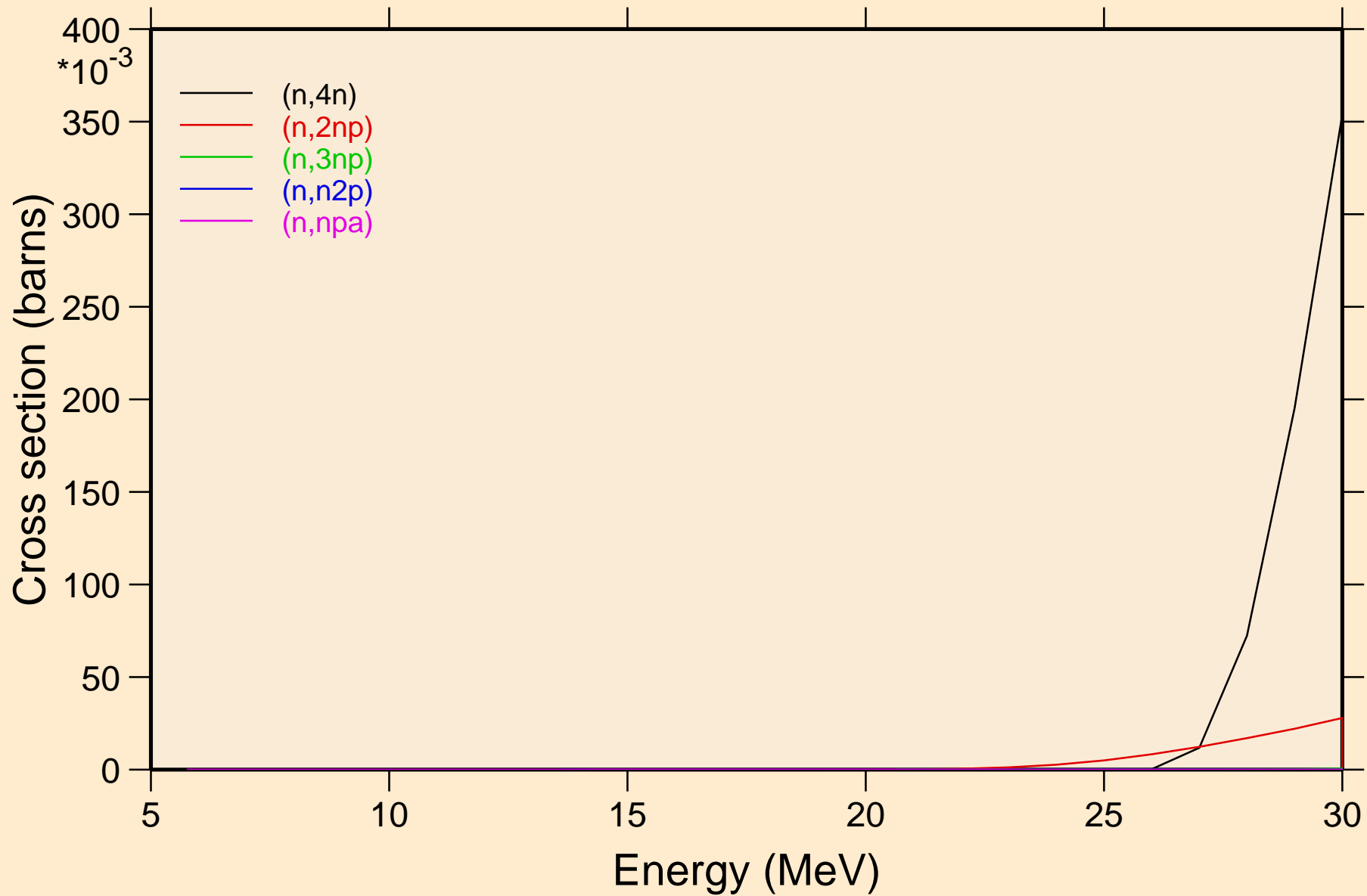
# TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

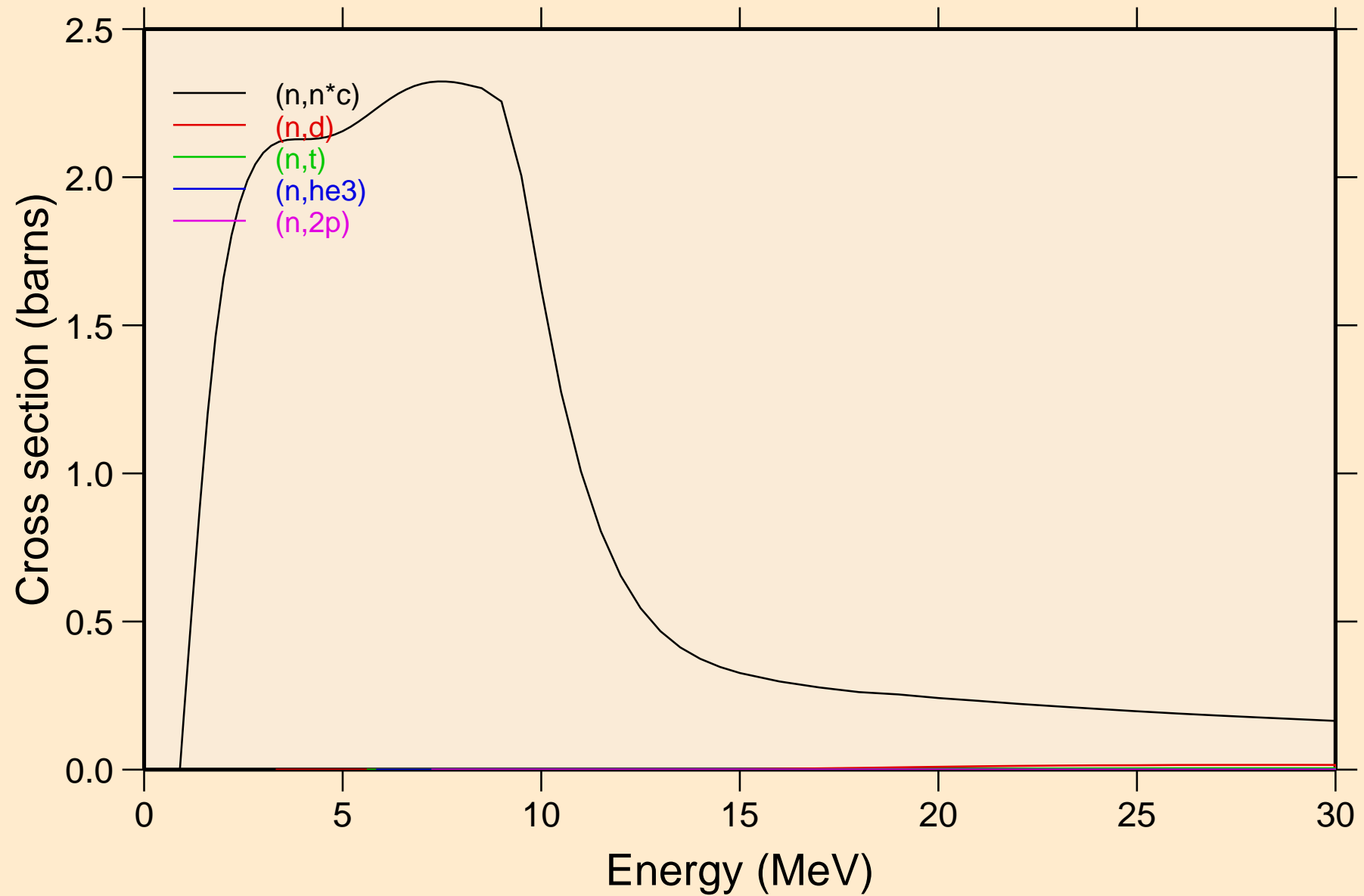


# TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

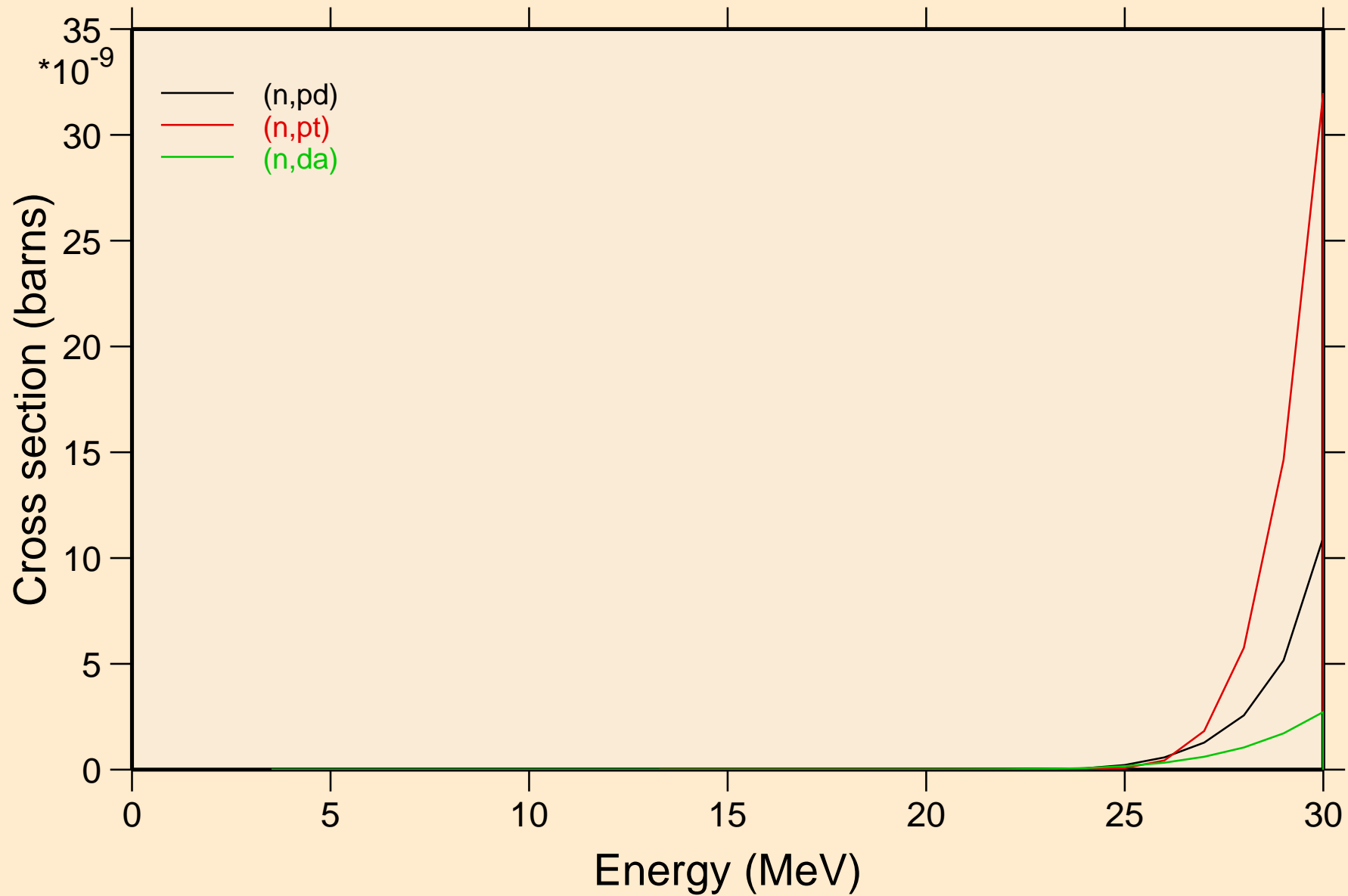
## Threshold reactions



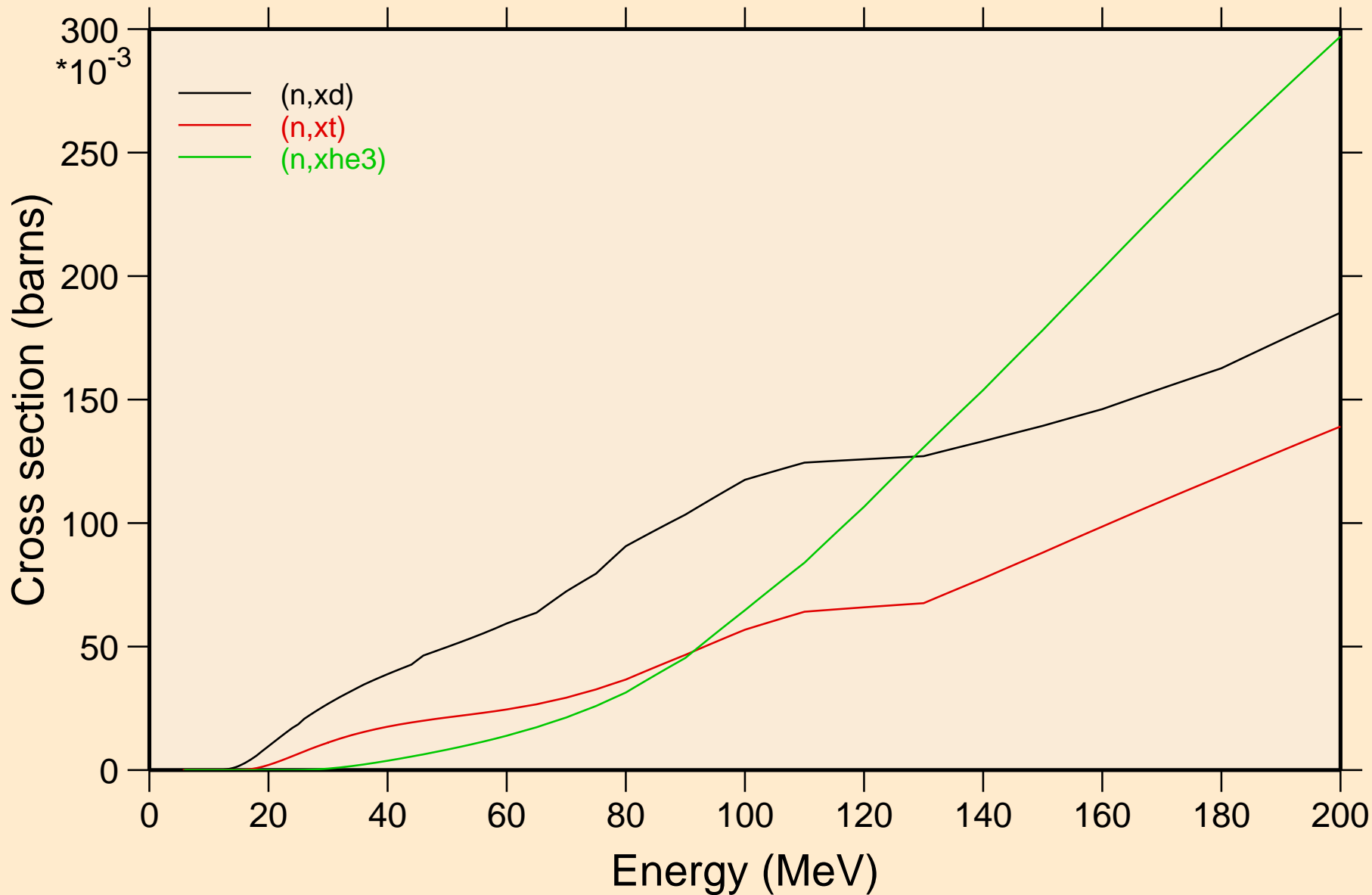
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



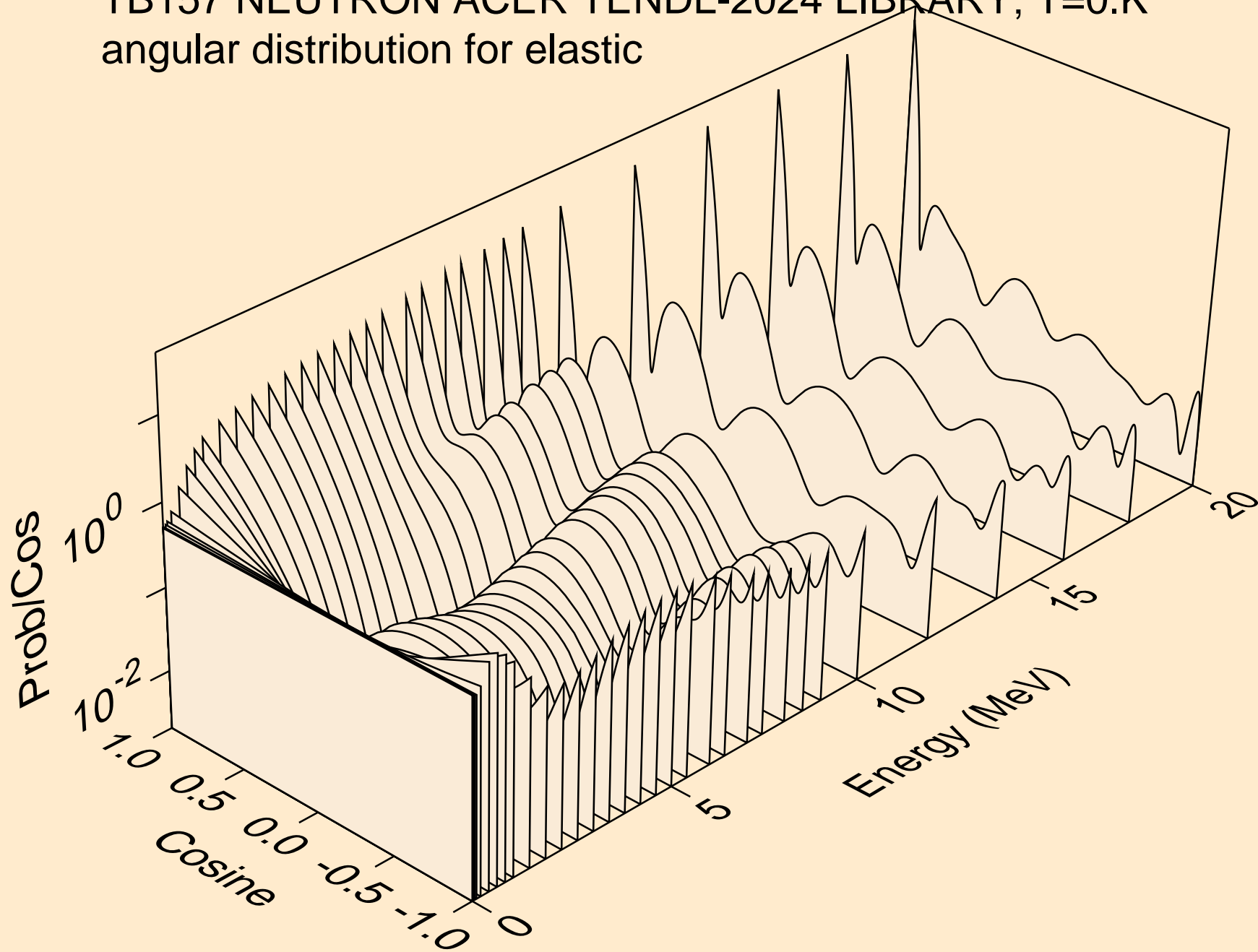
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



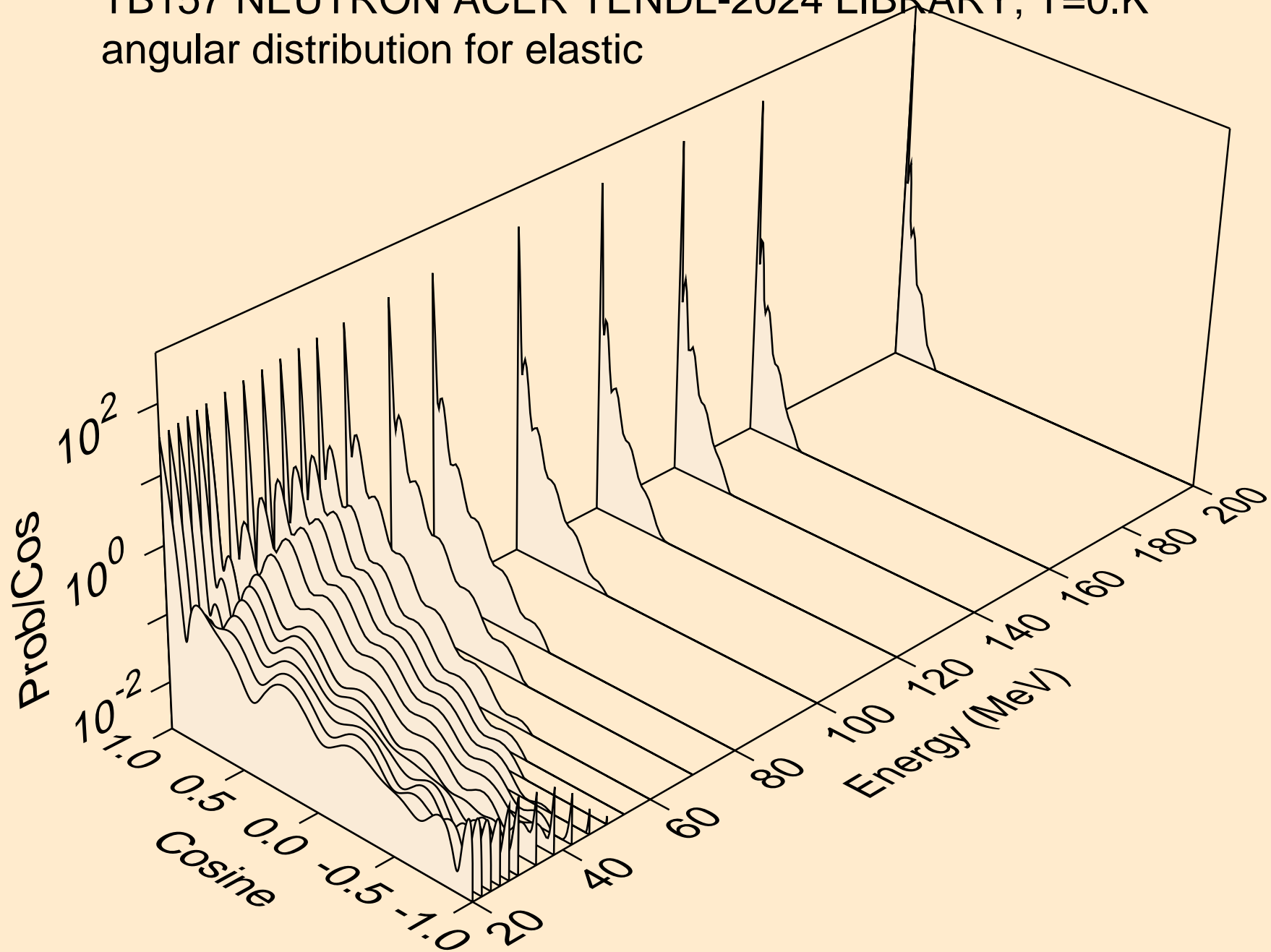
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

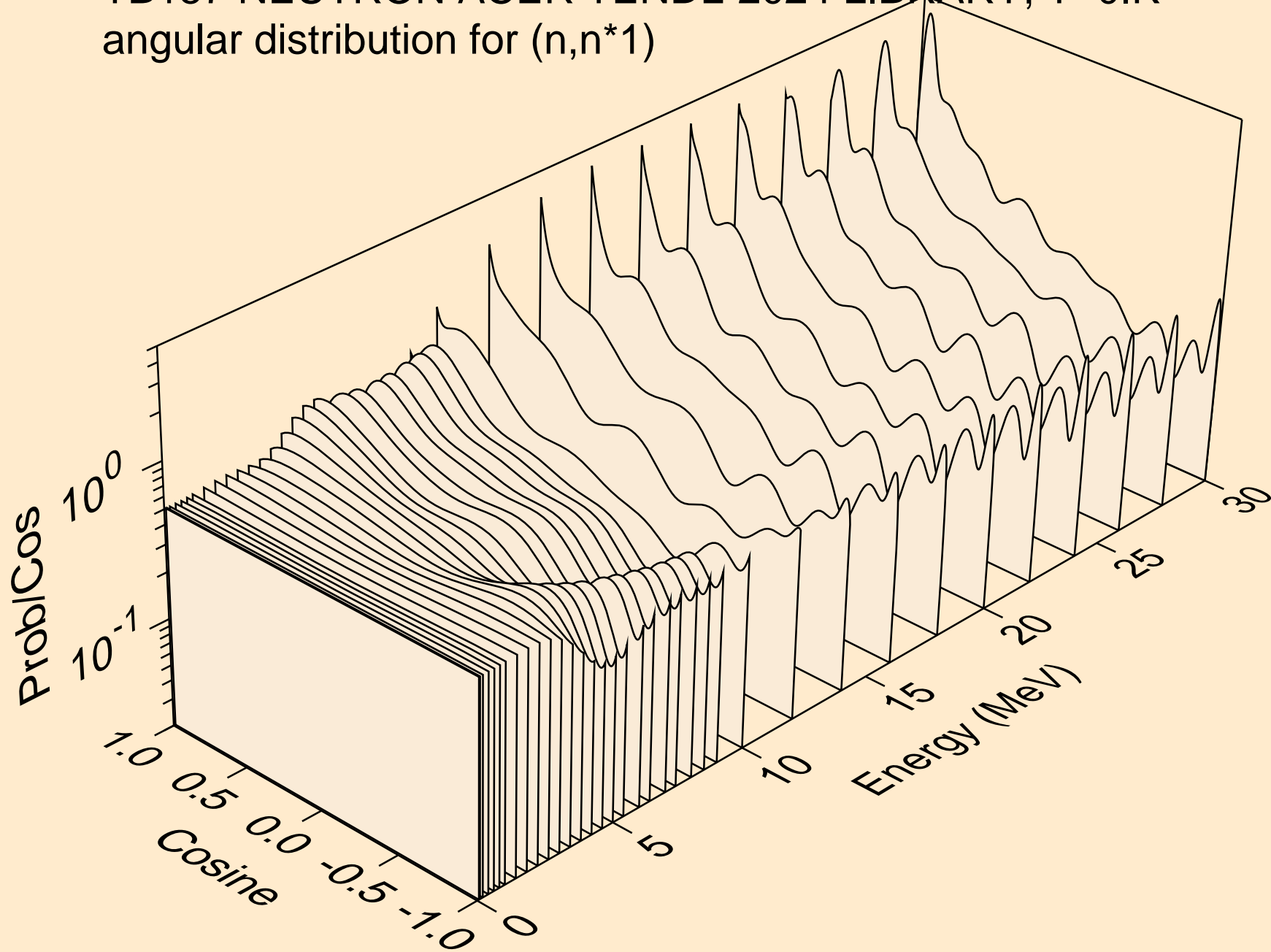


TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

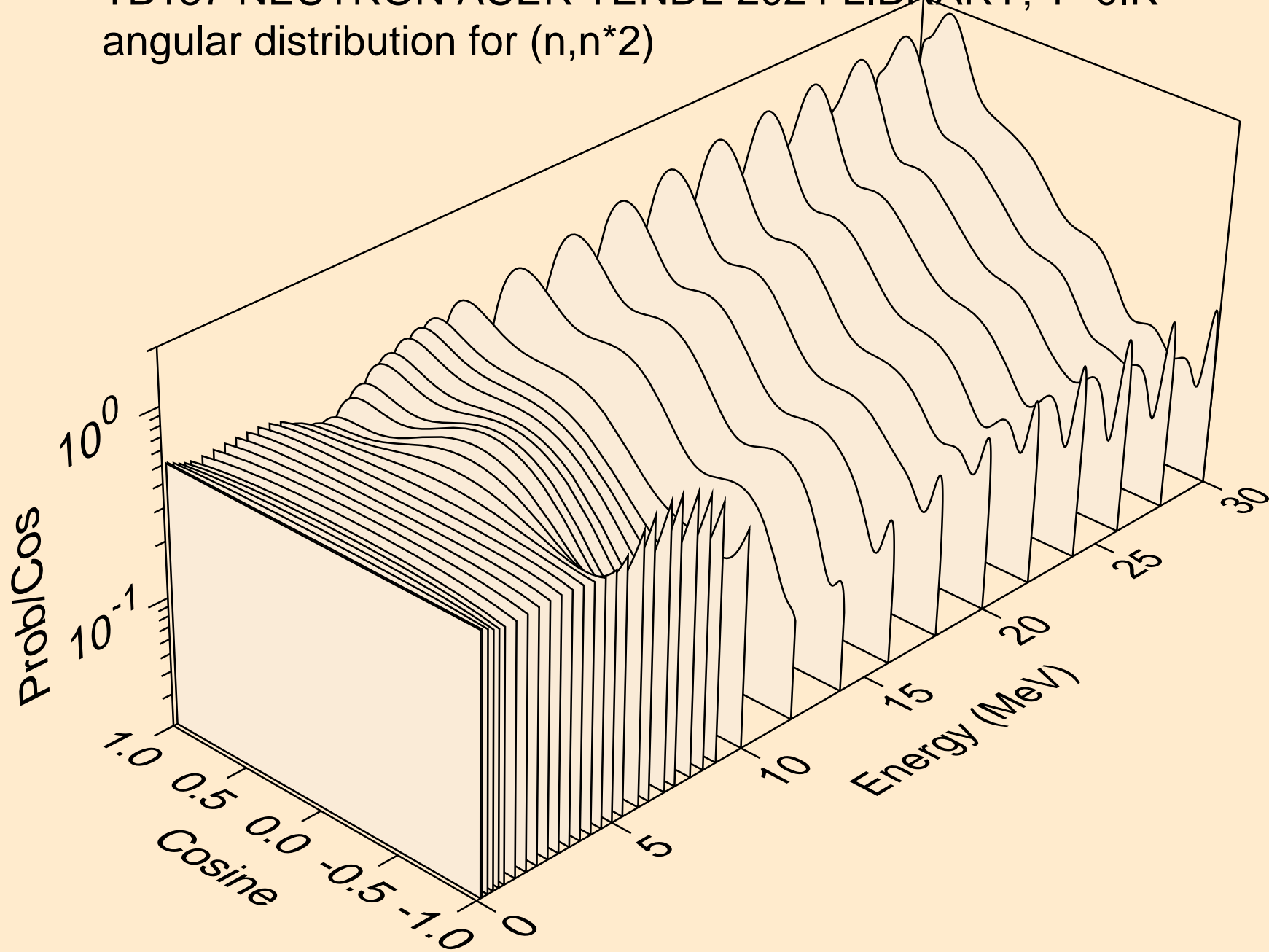




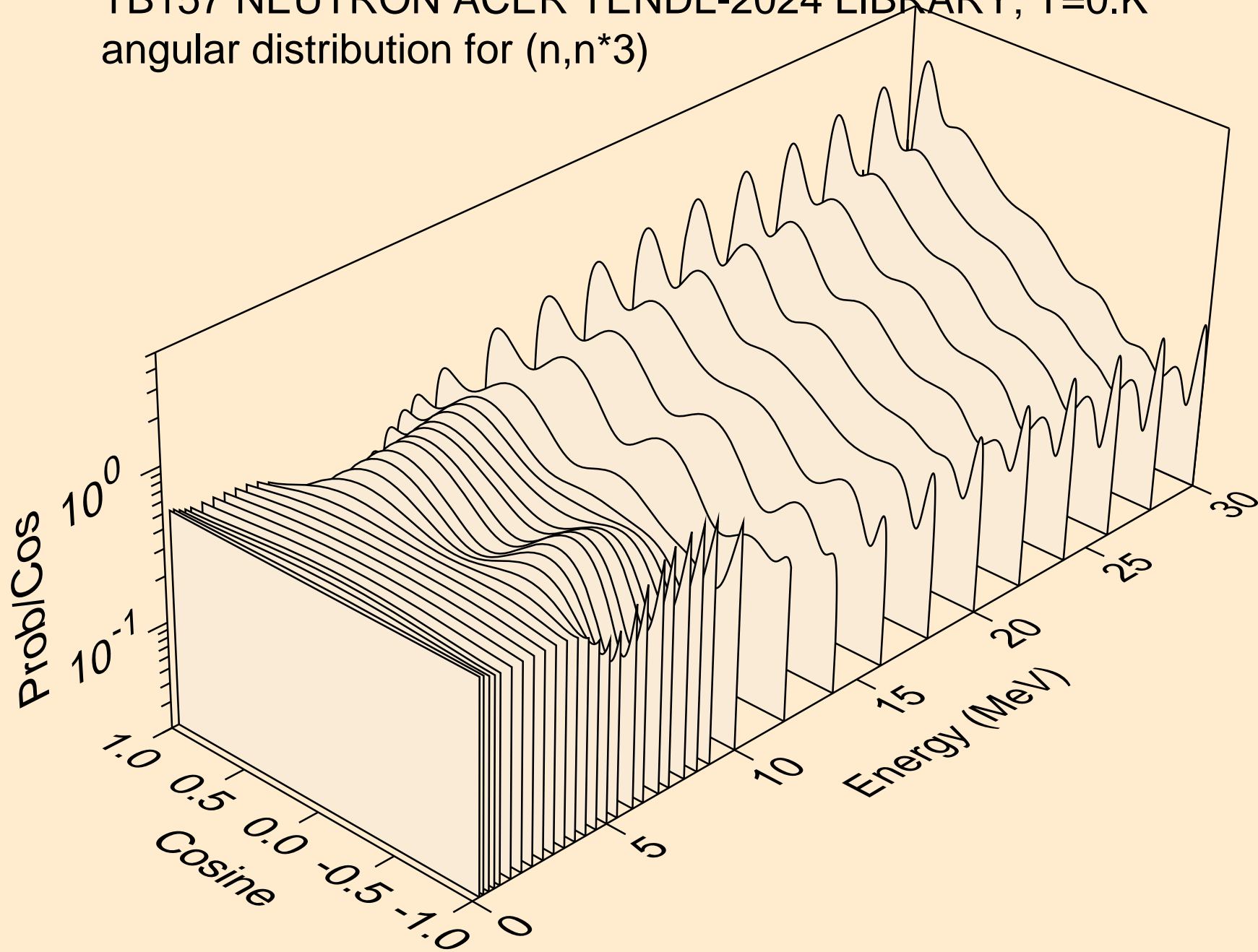
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



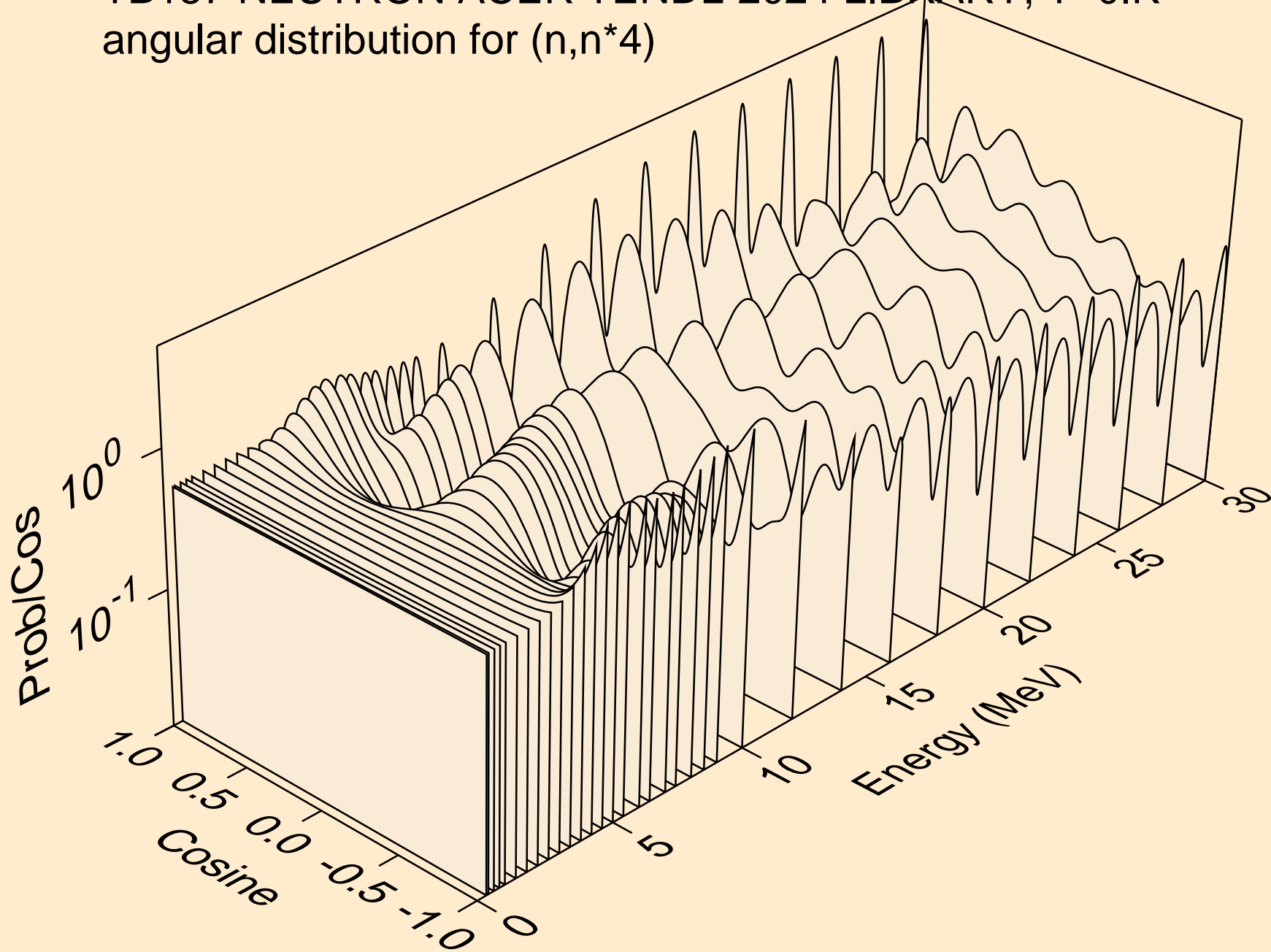
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



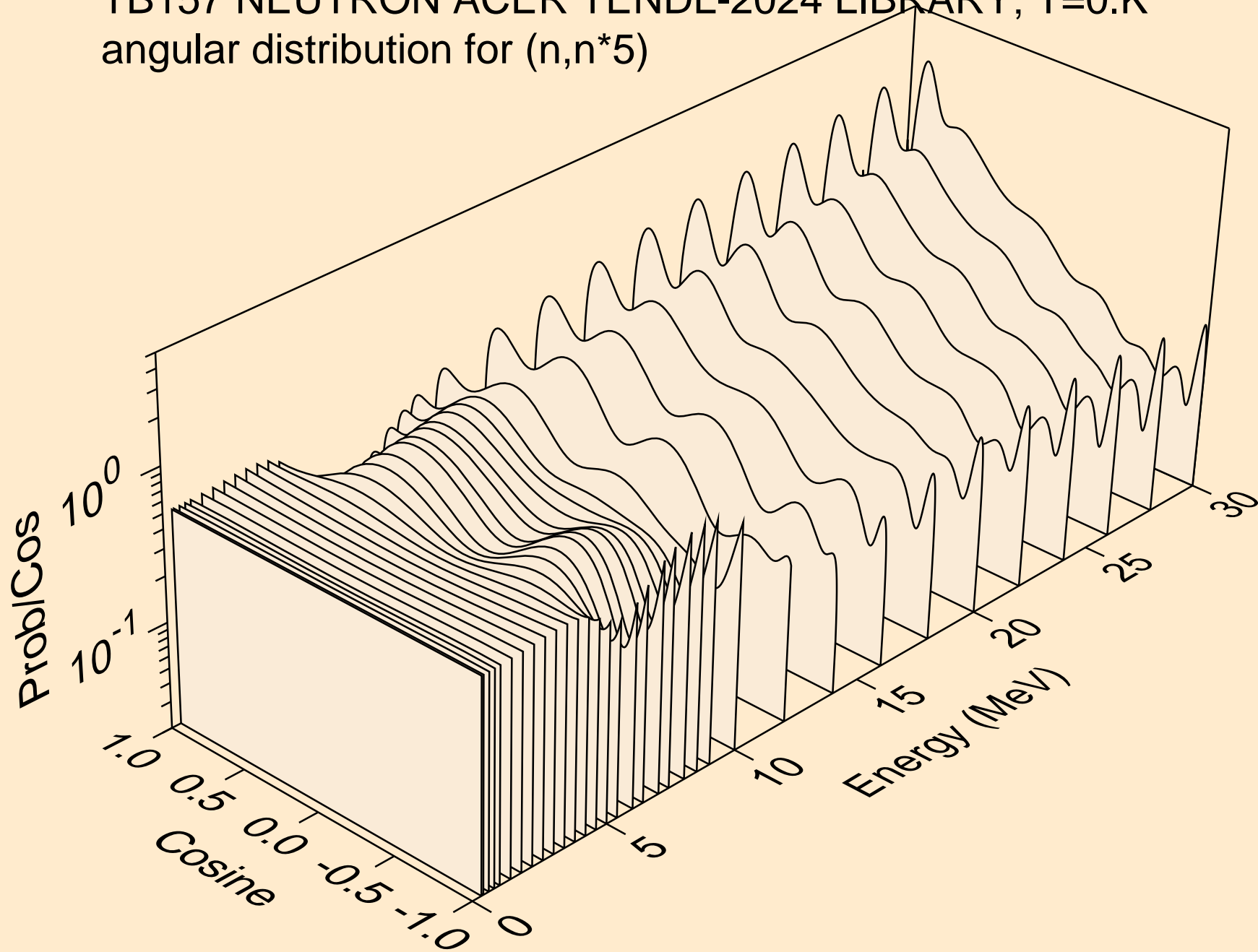
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



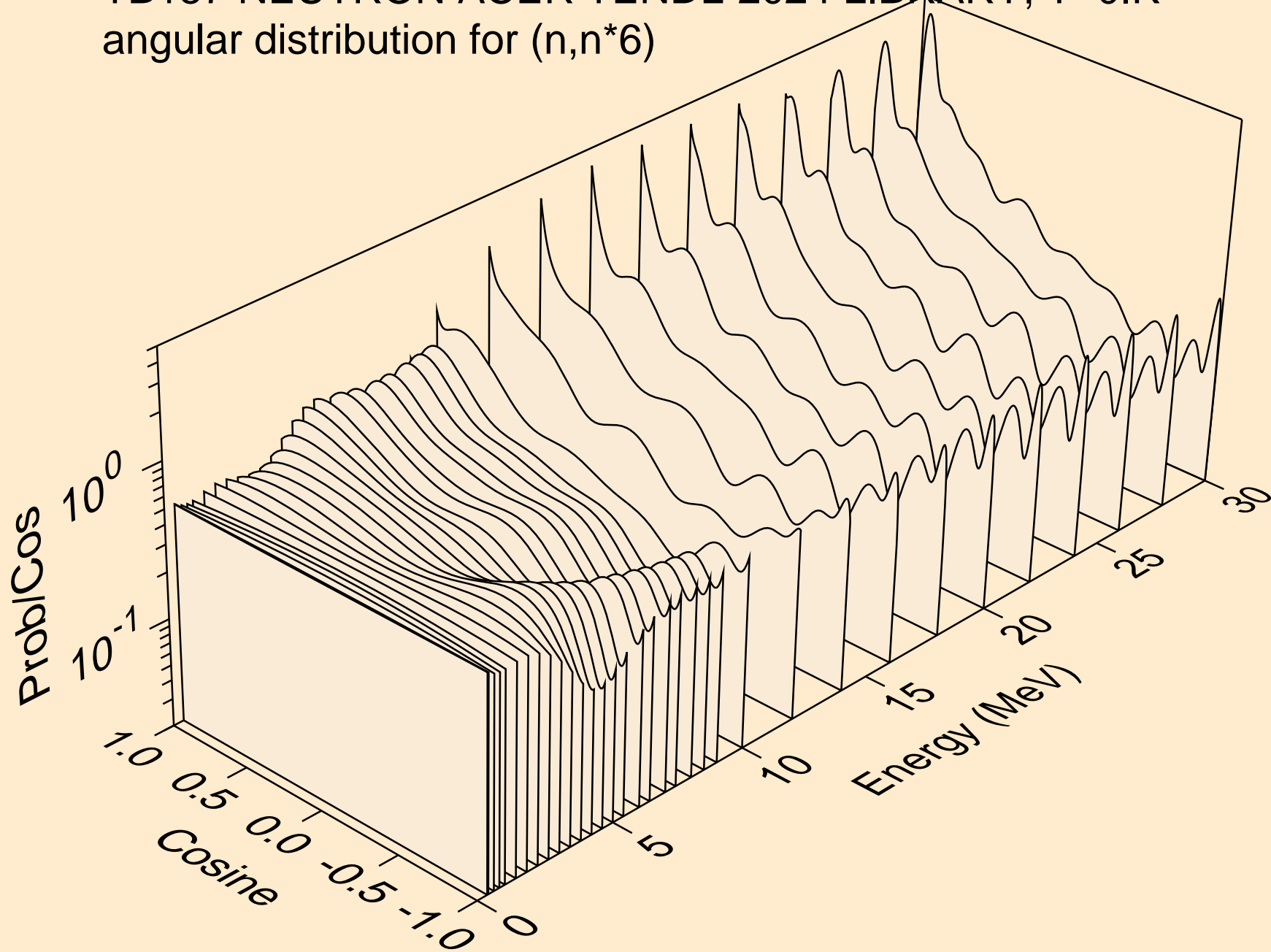
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



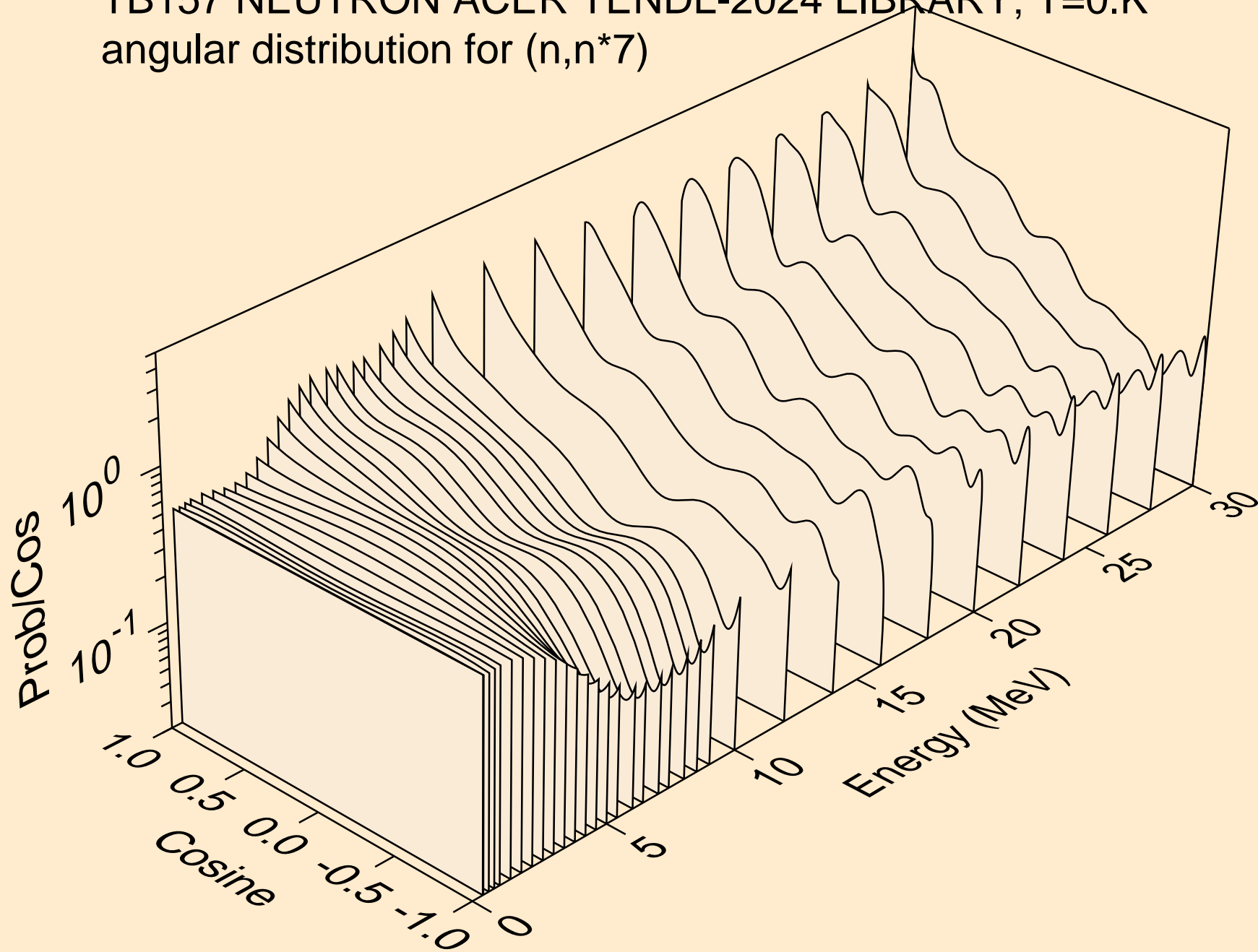
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



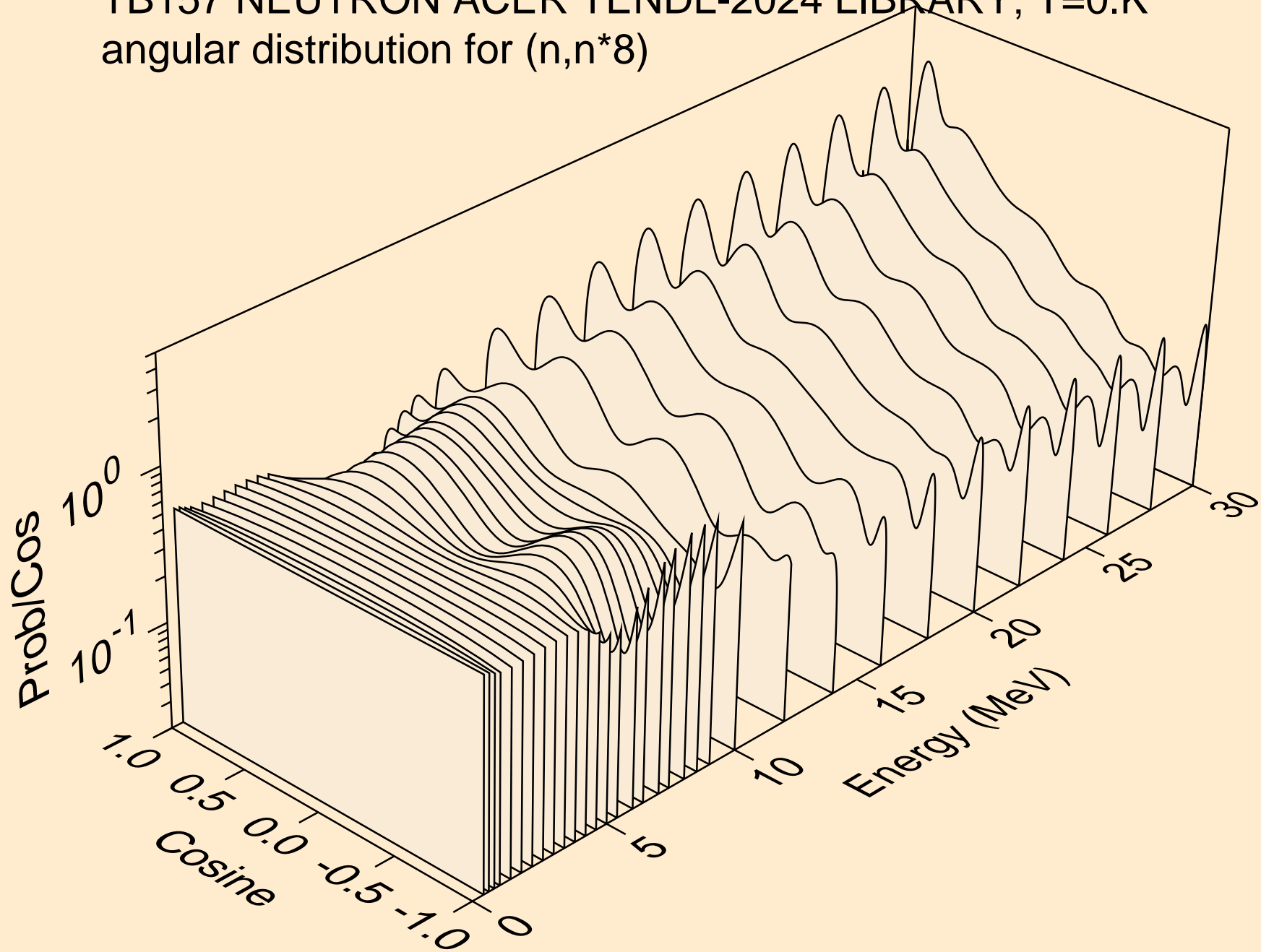
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)

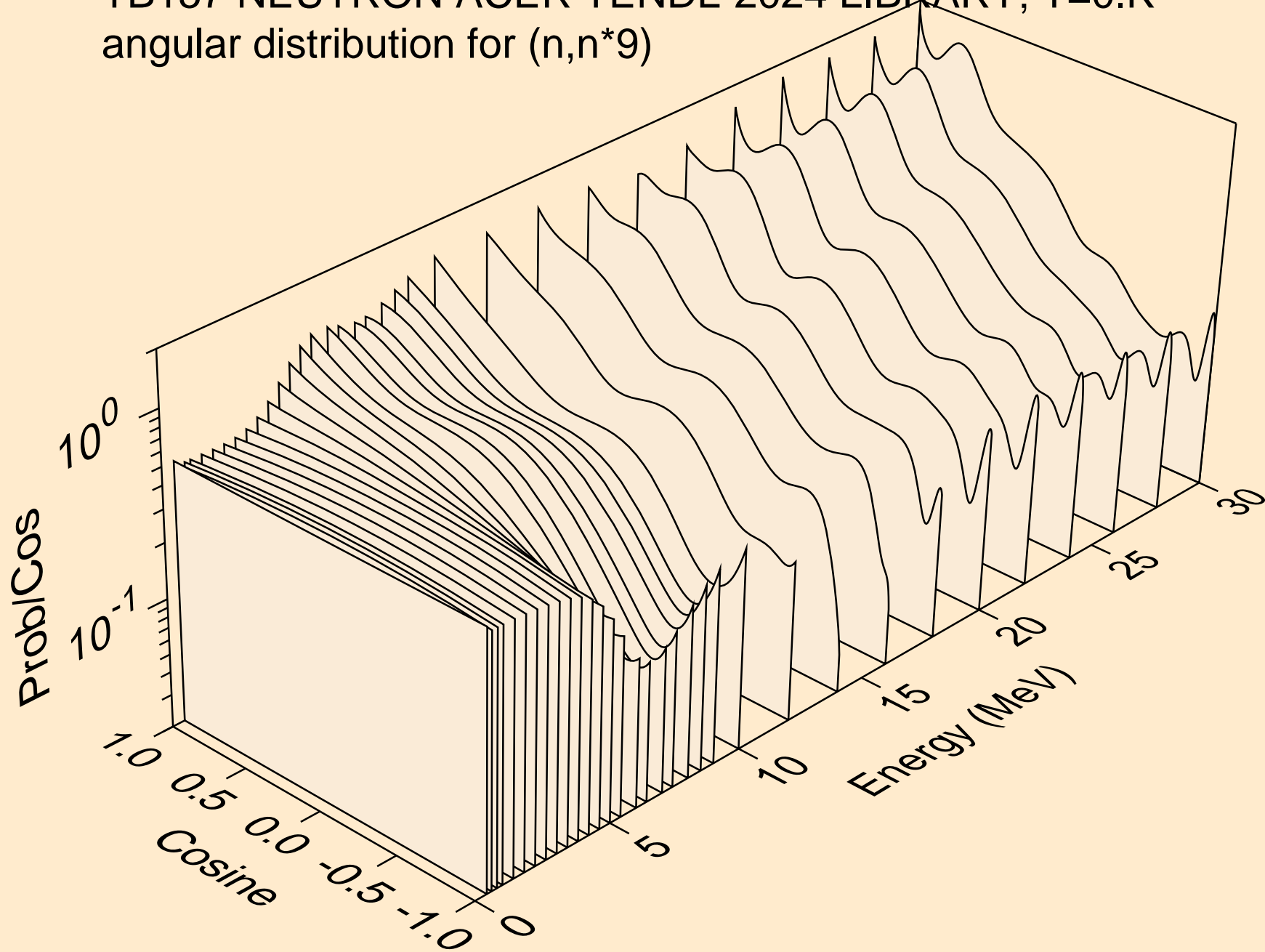


TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)

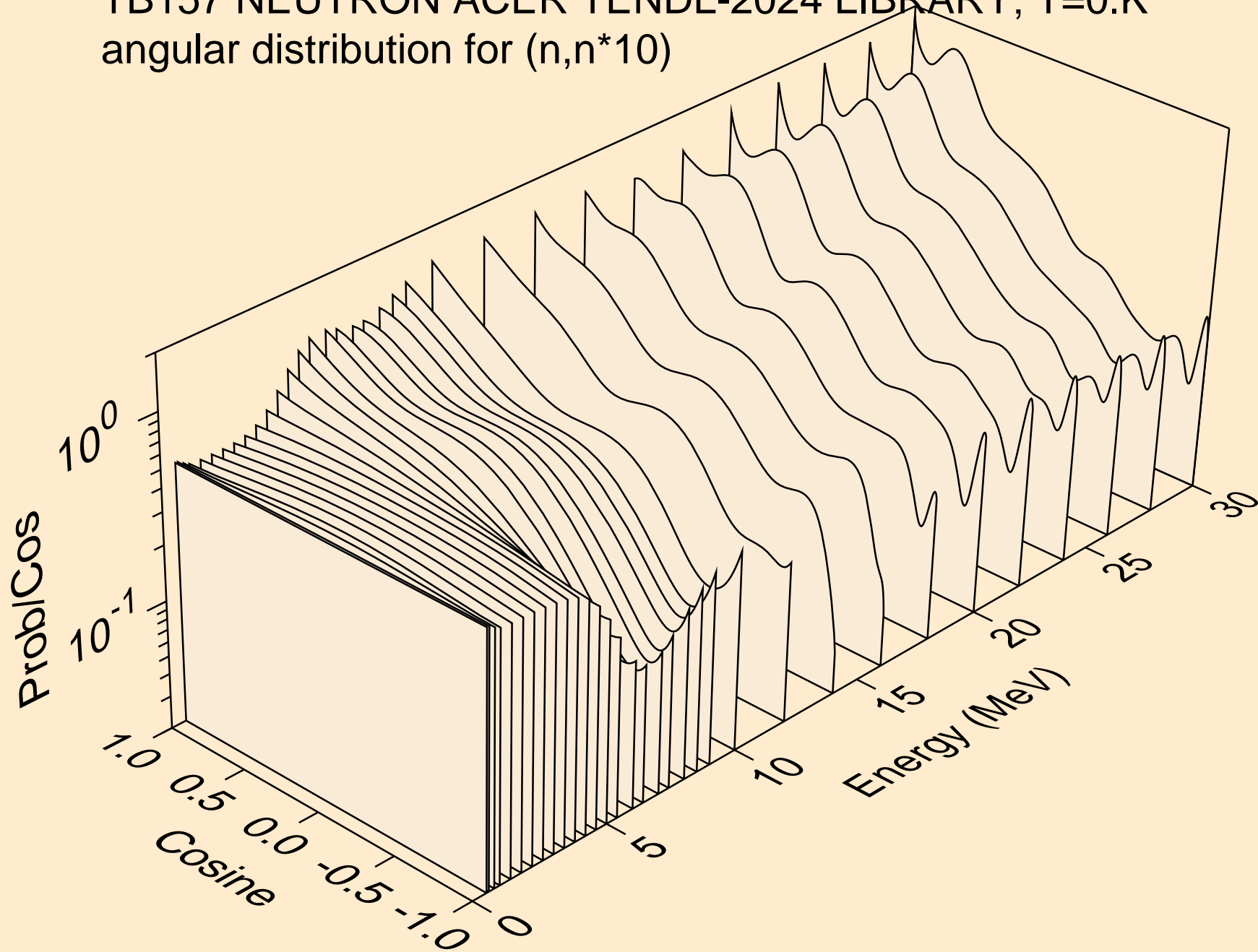




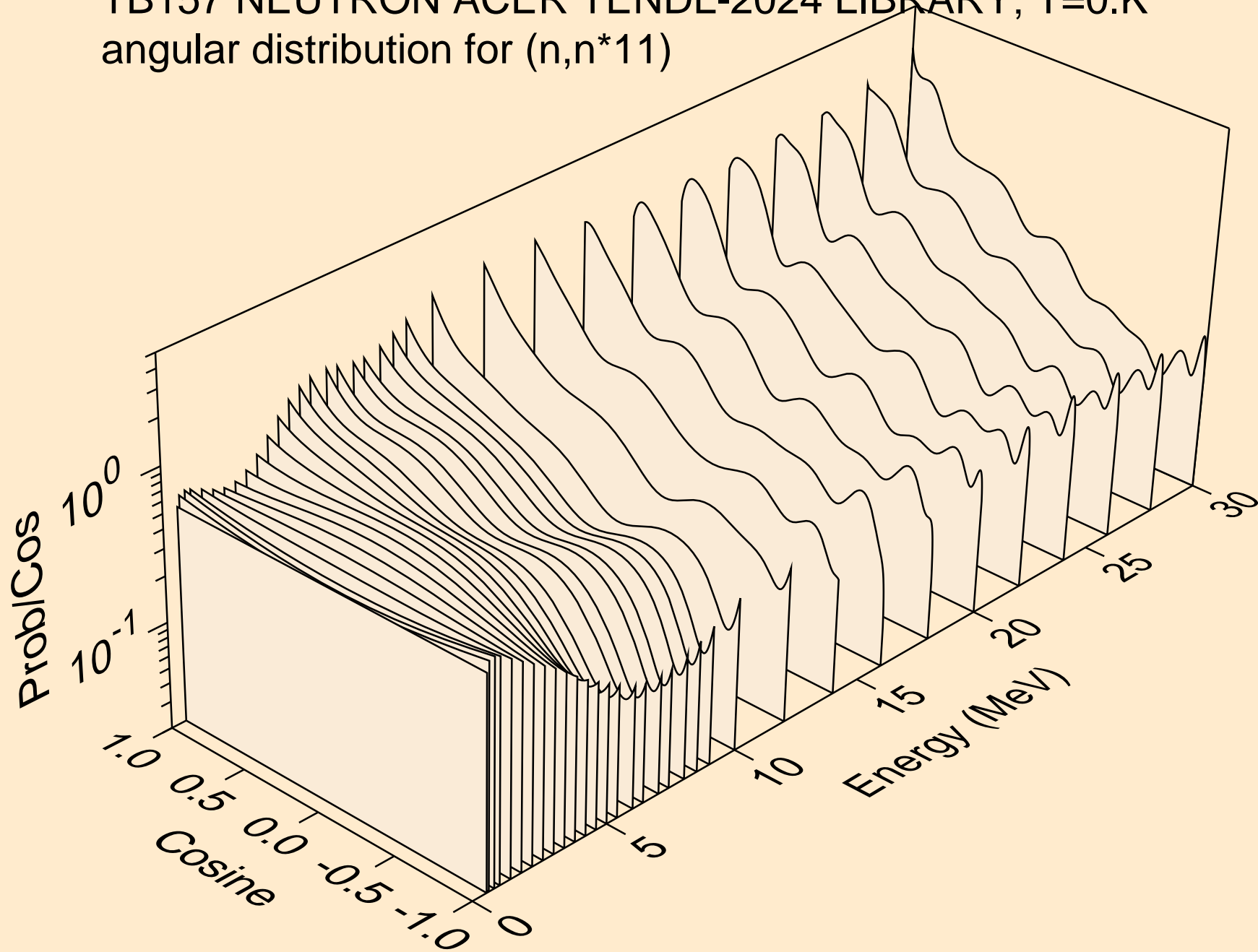
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



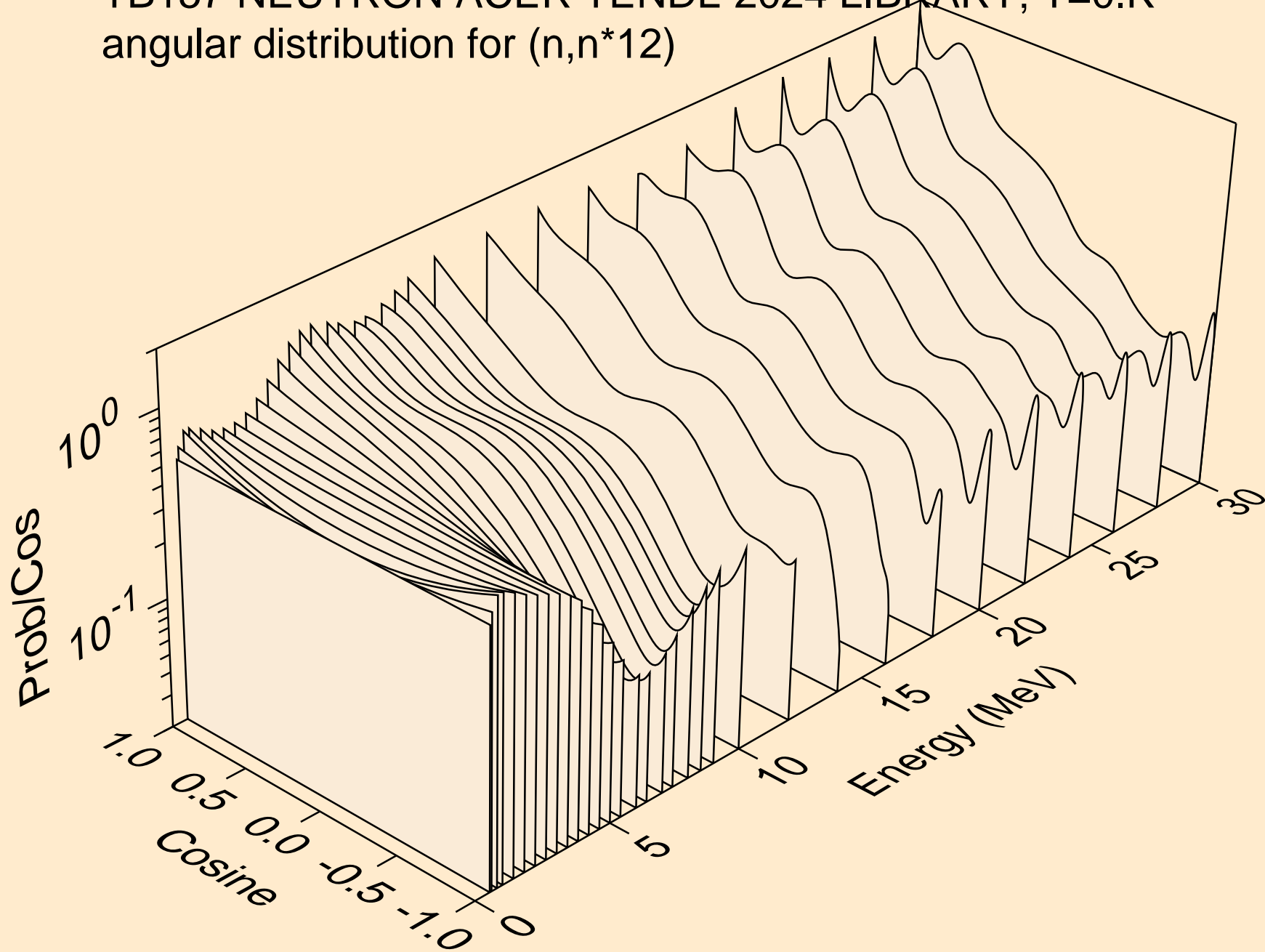
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



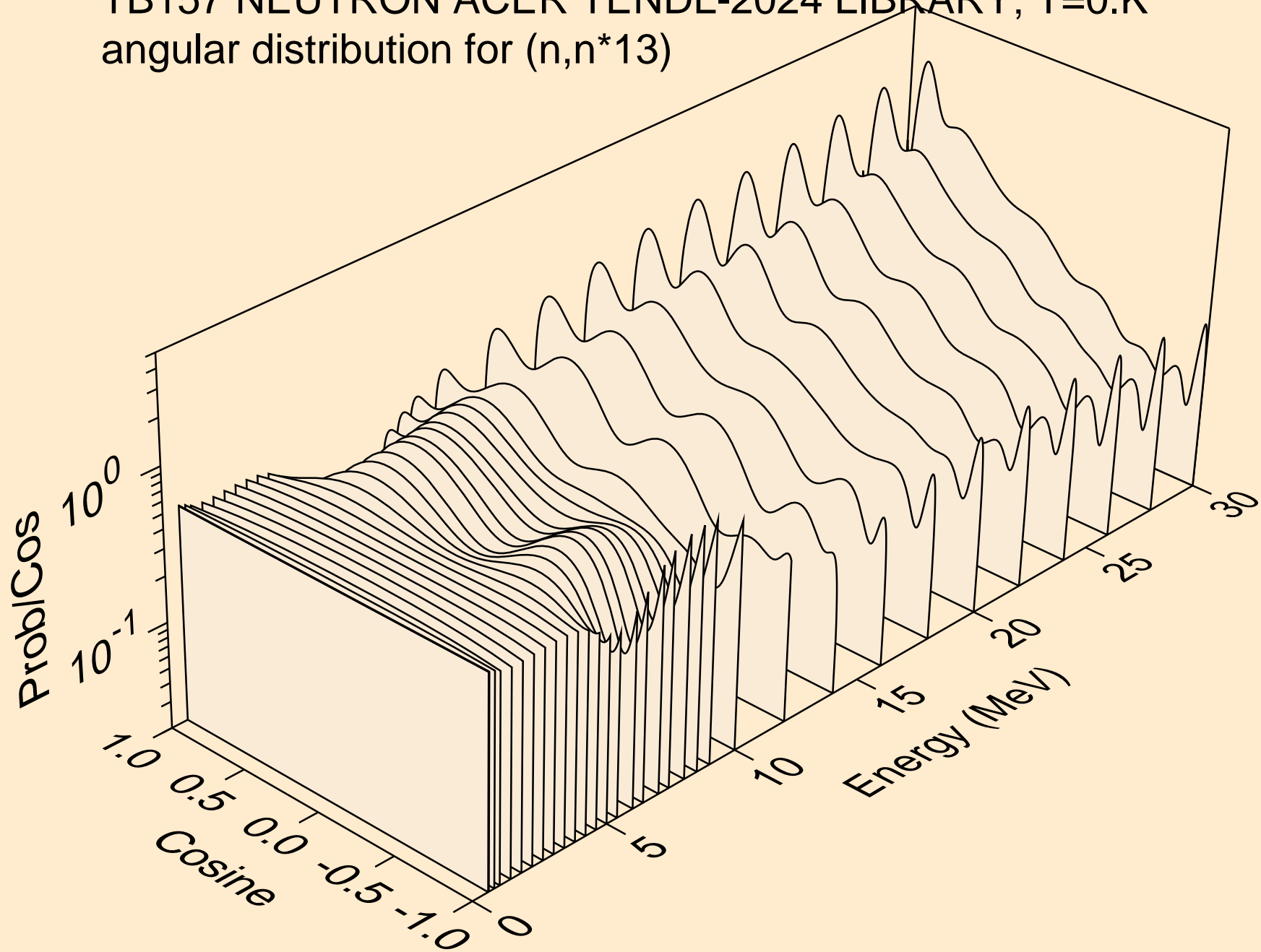
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



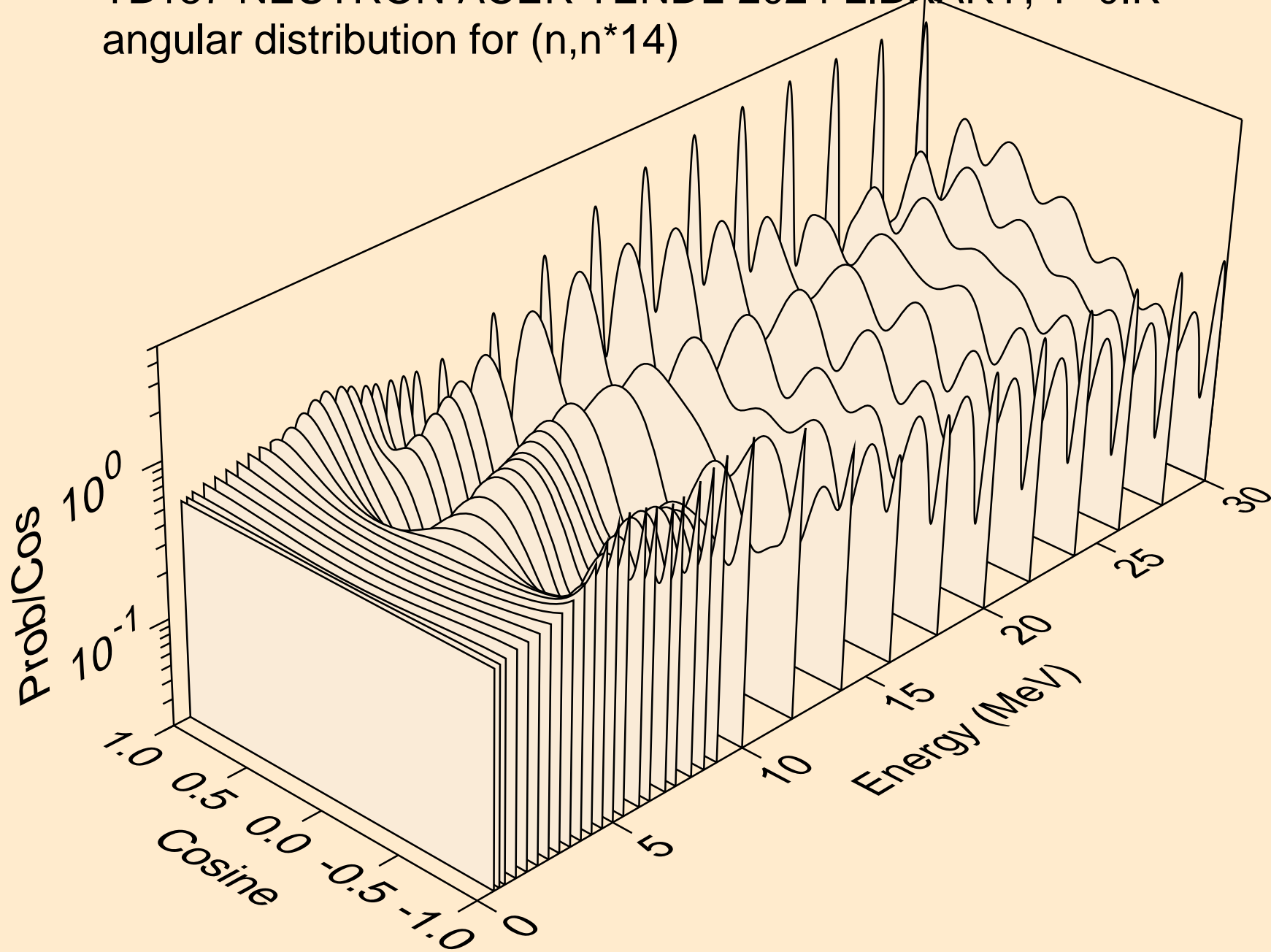
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



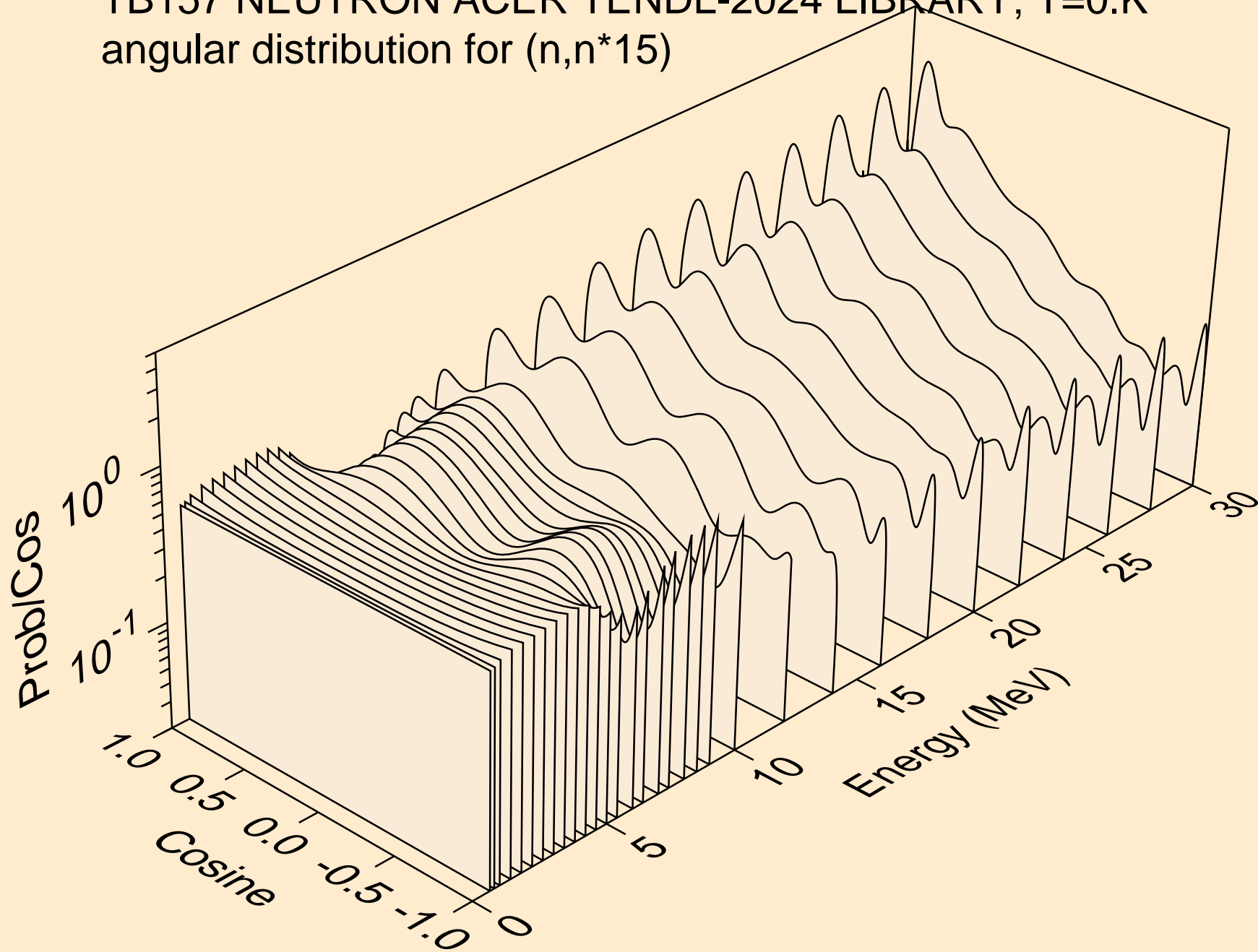
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



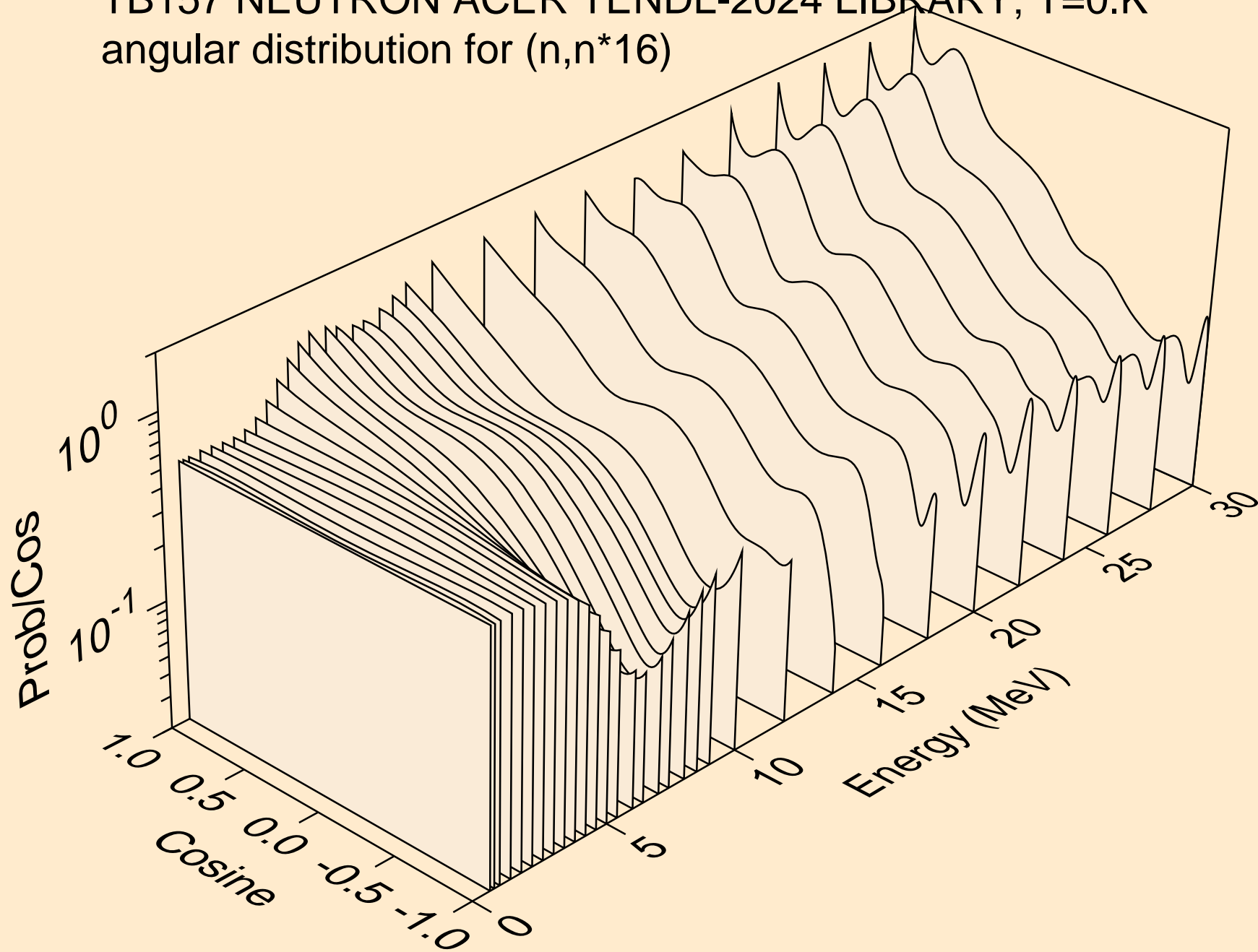
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*15)

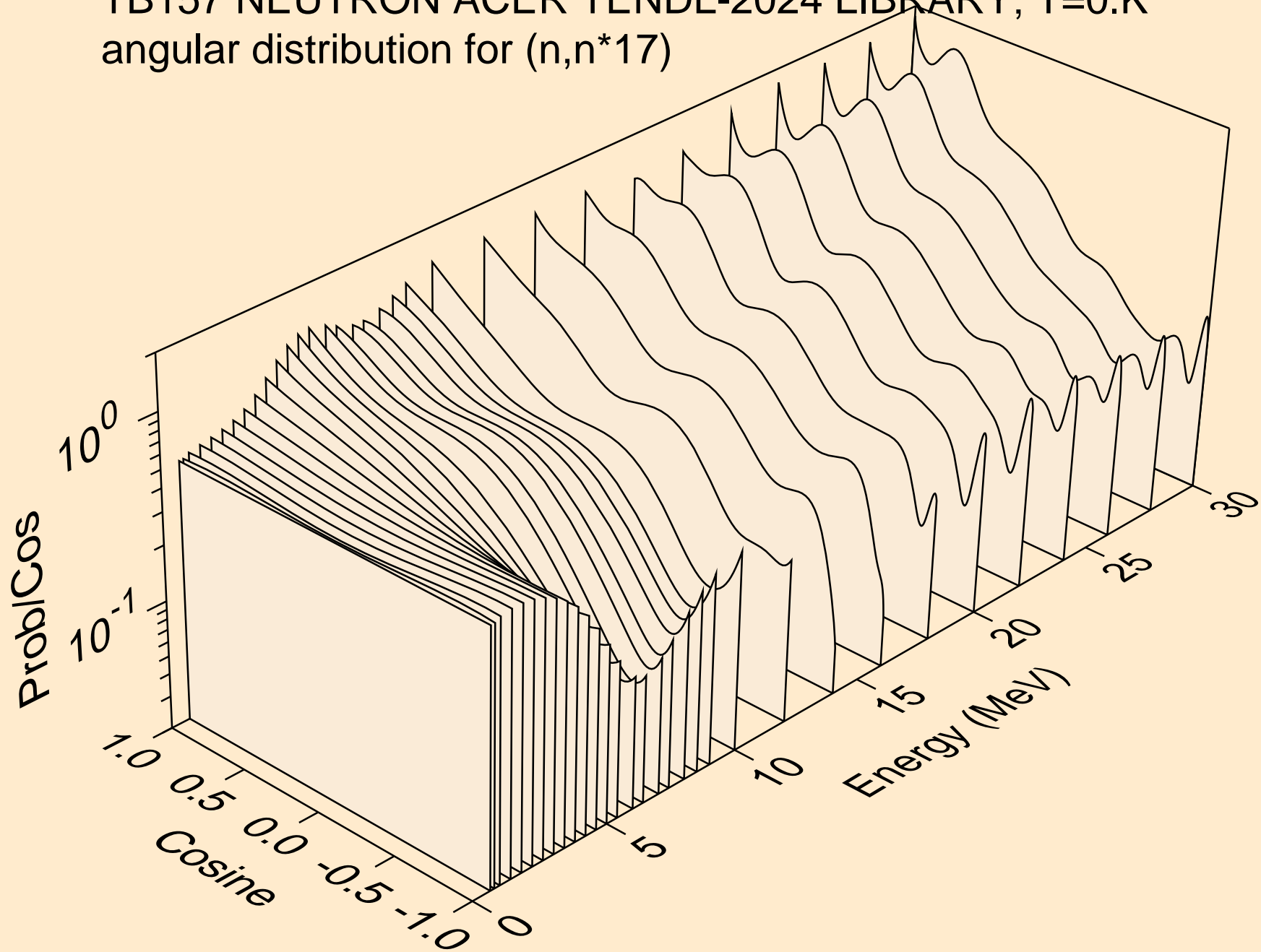


TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)

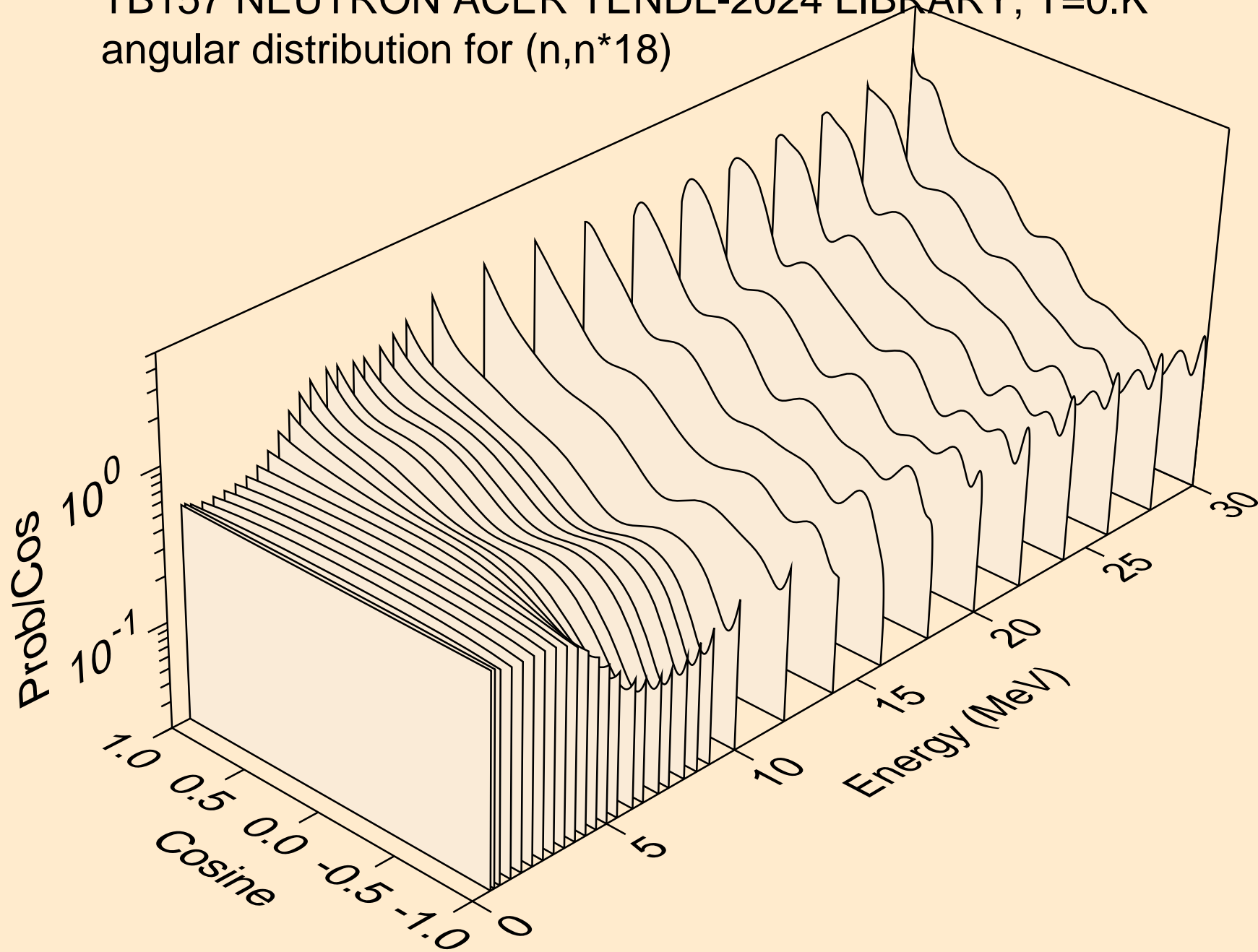




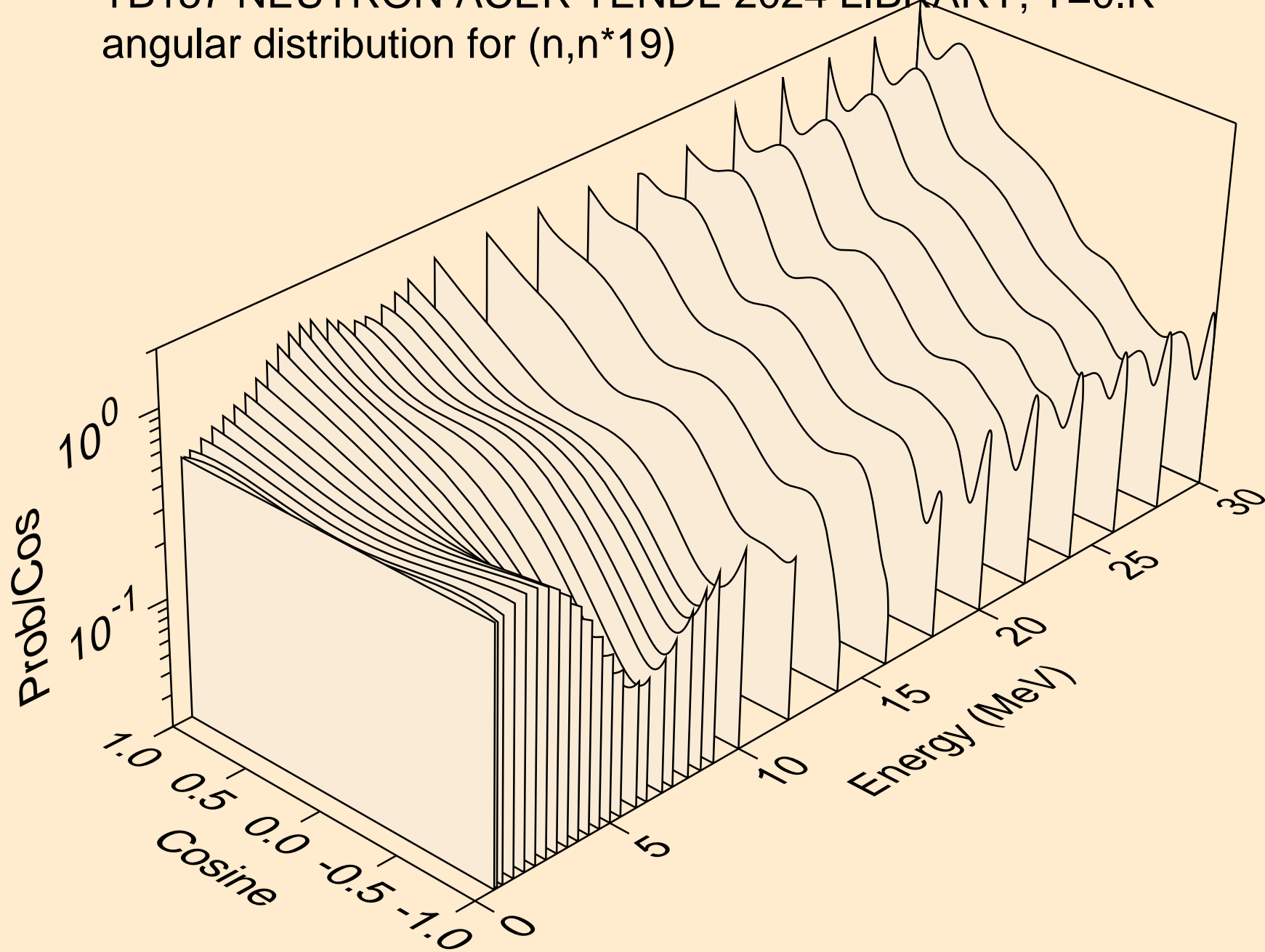
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



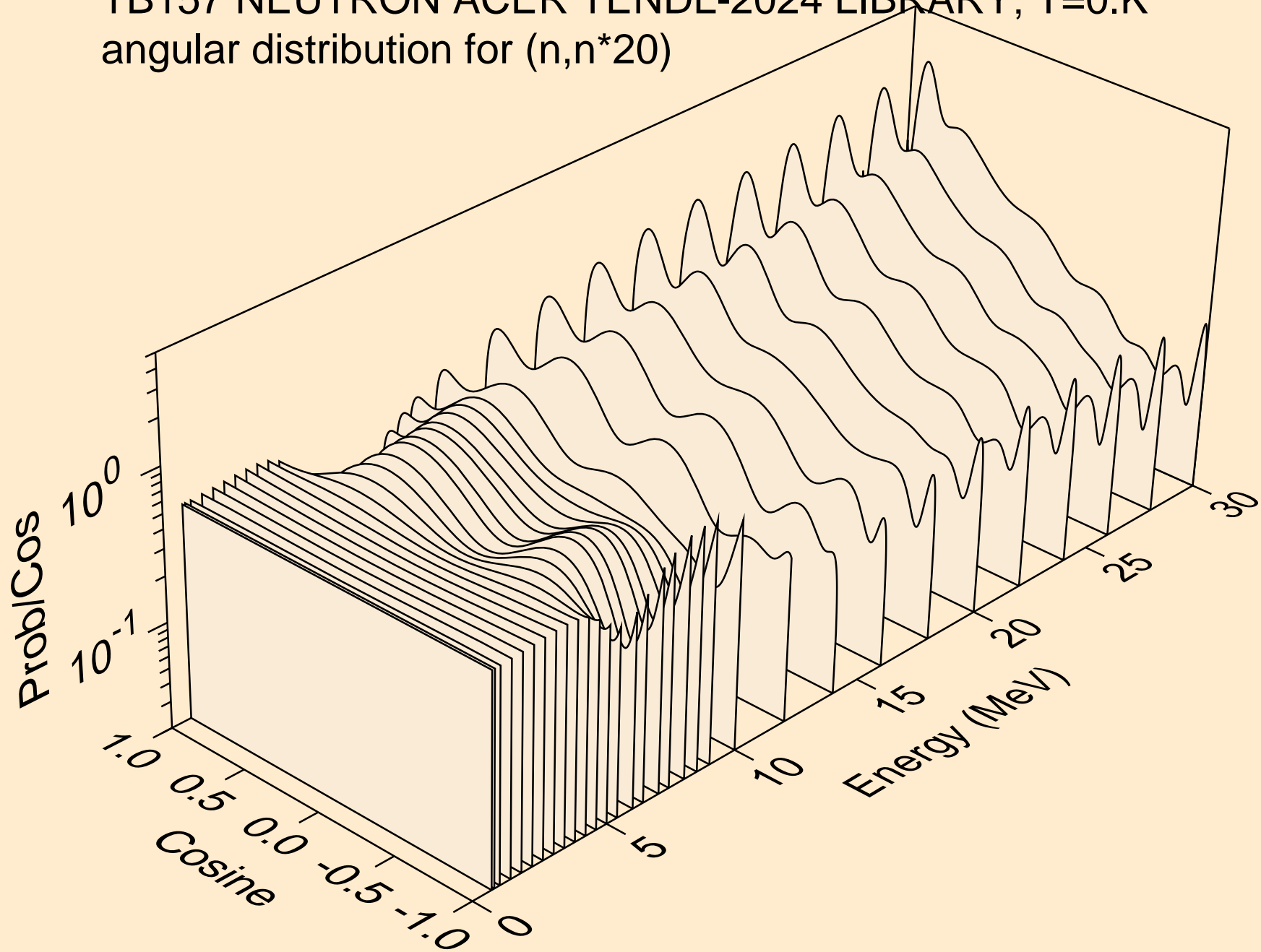
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



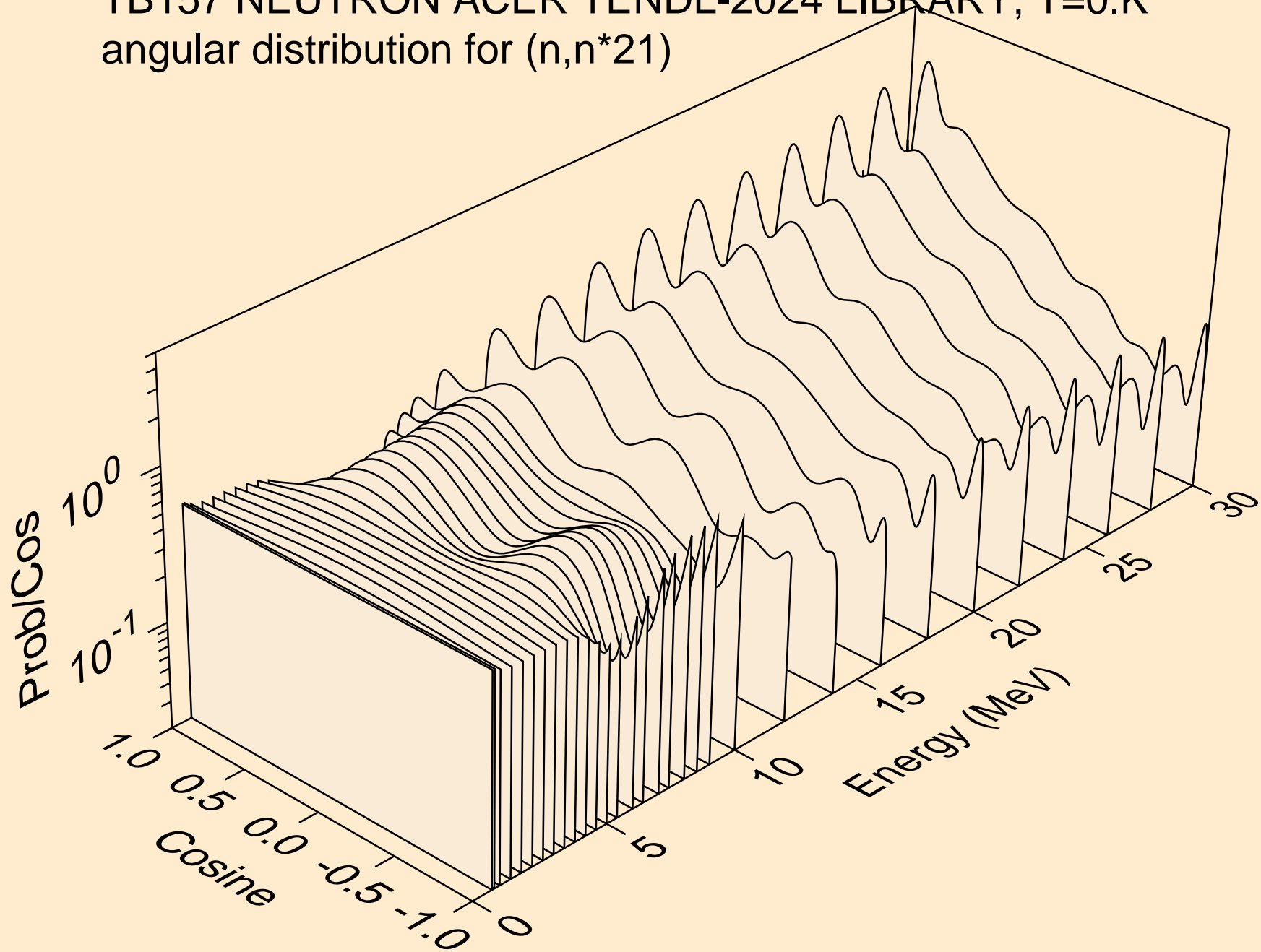
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



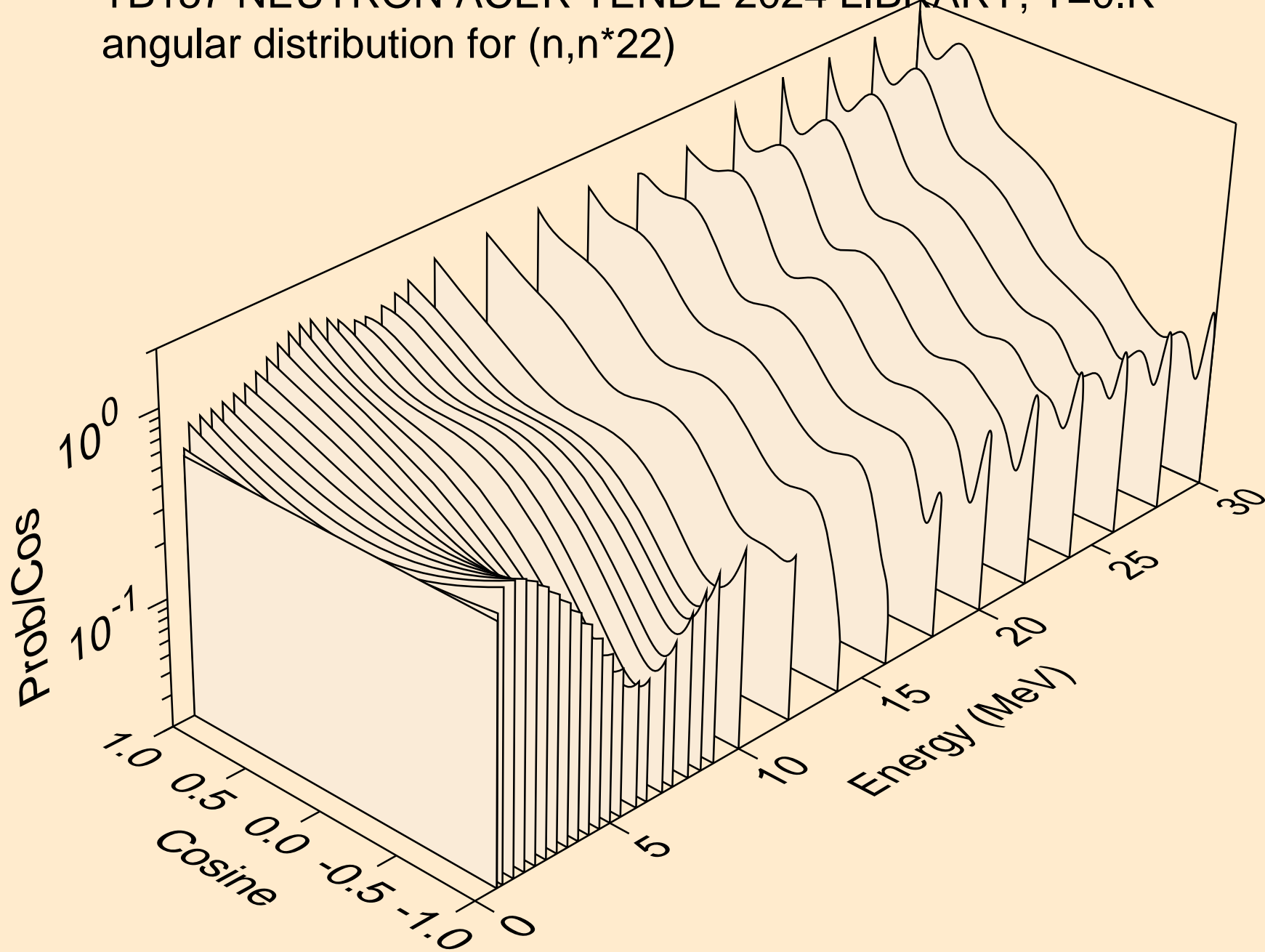
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



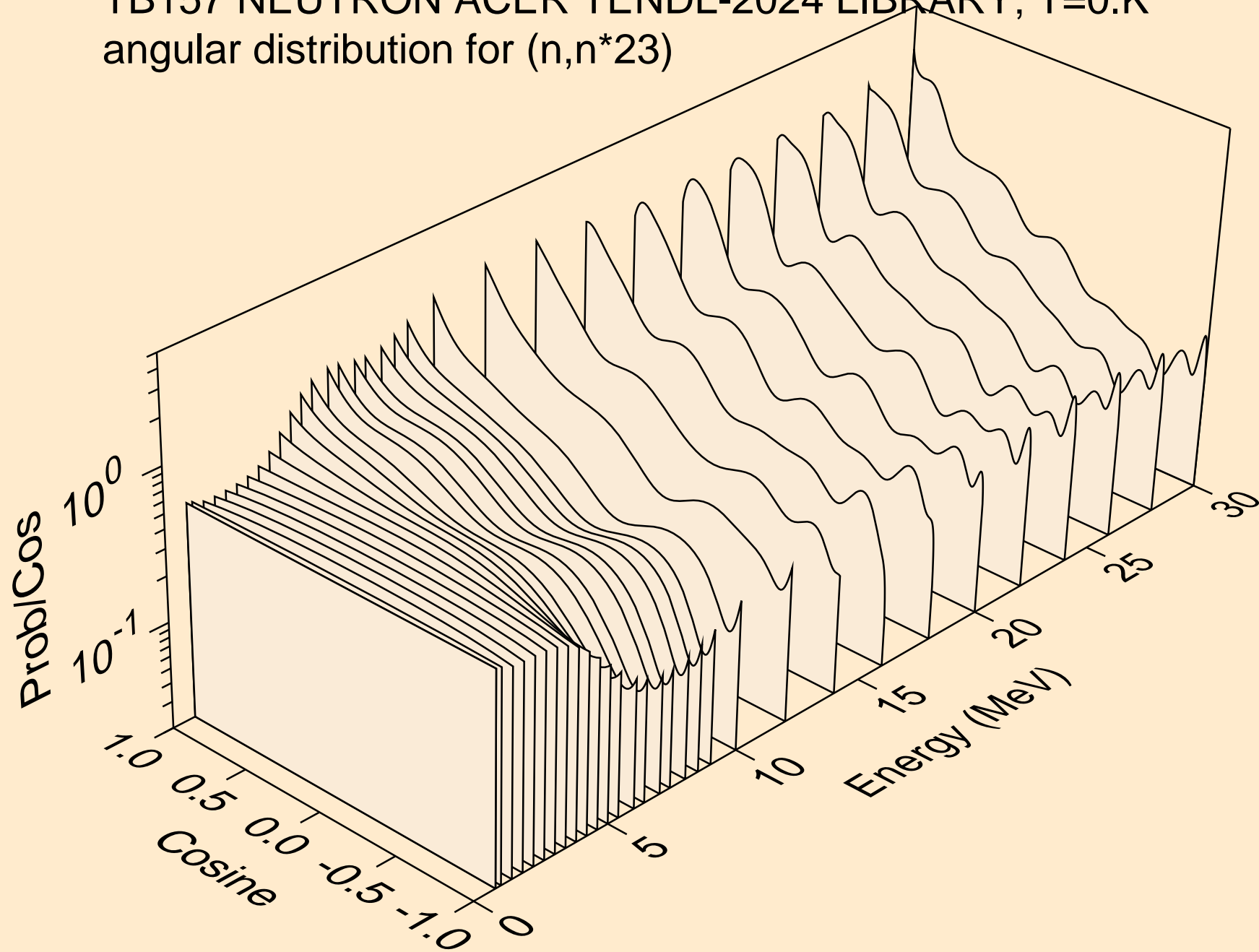
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



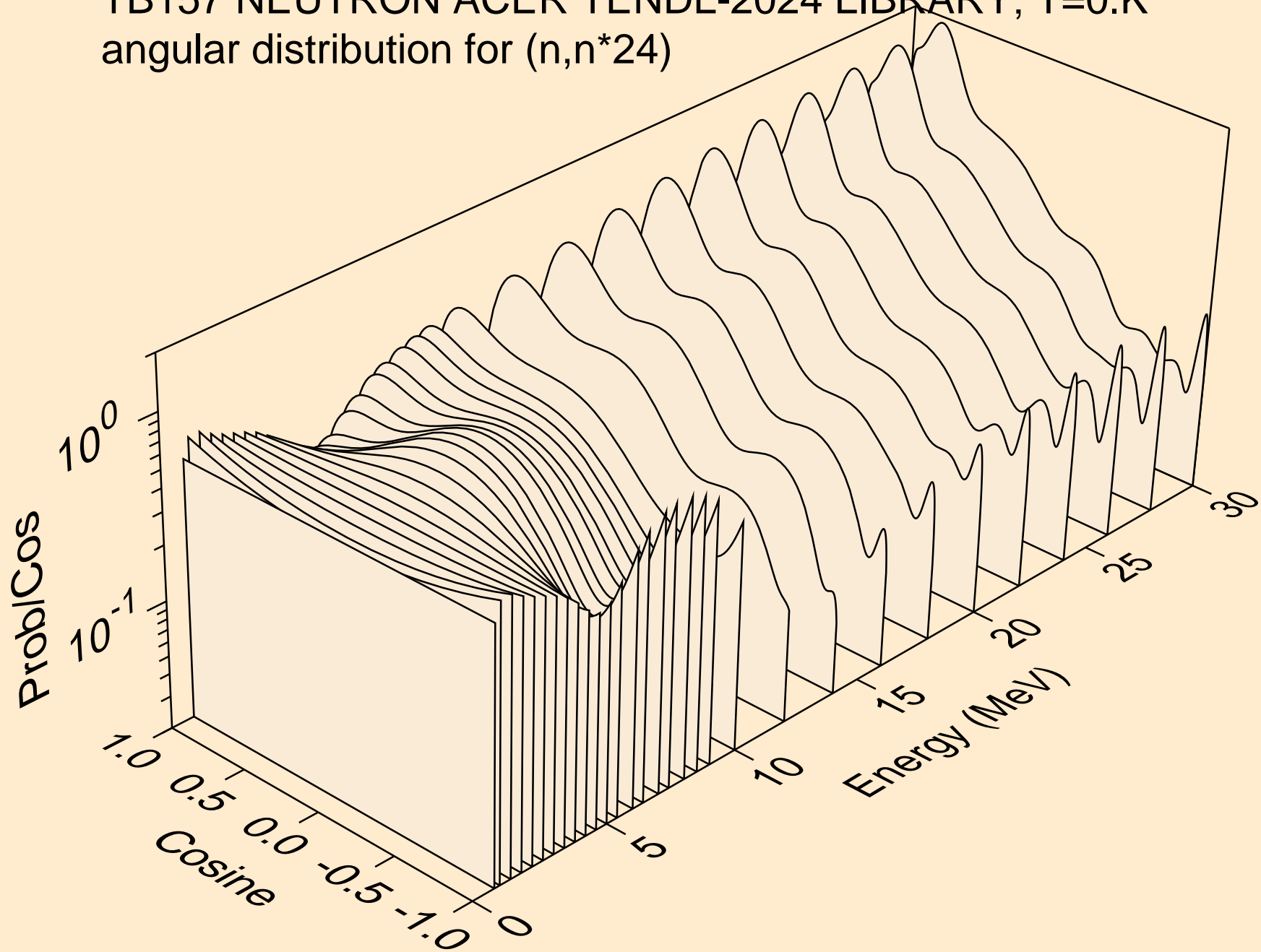
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*22)



TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*23)

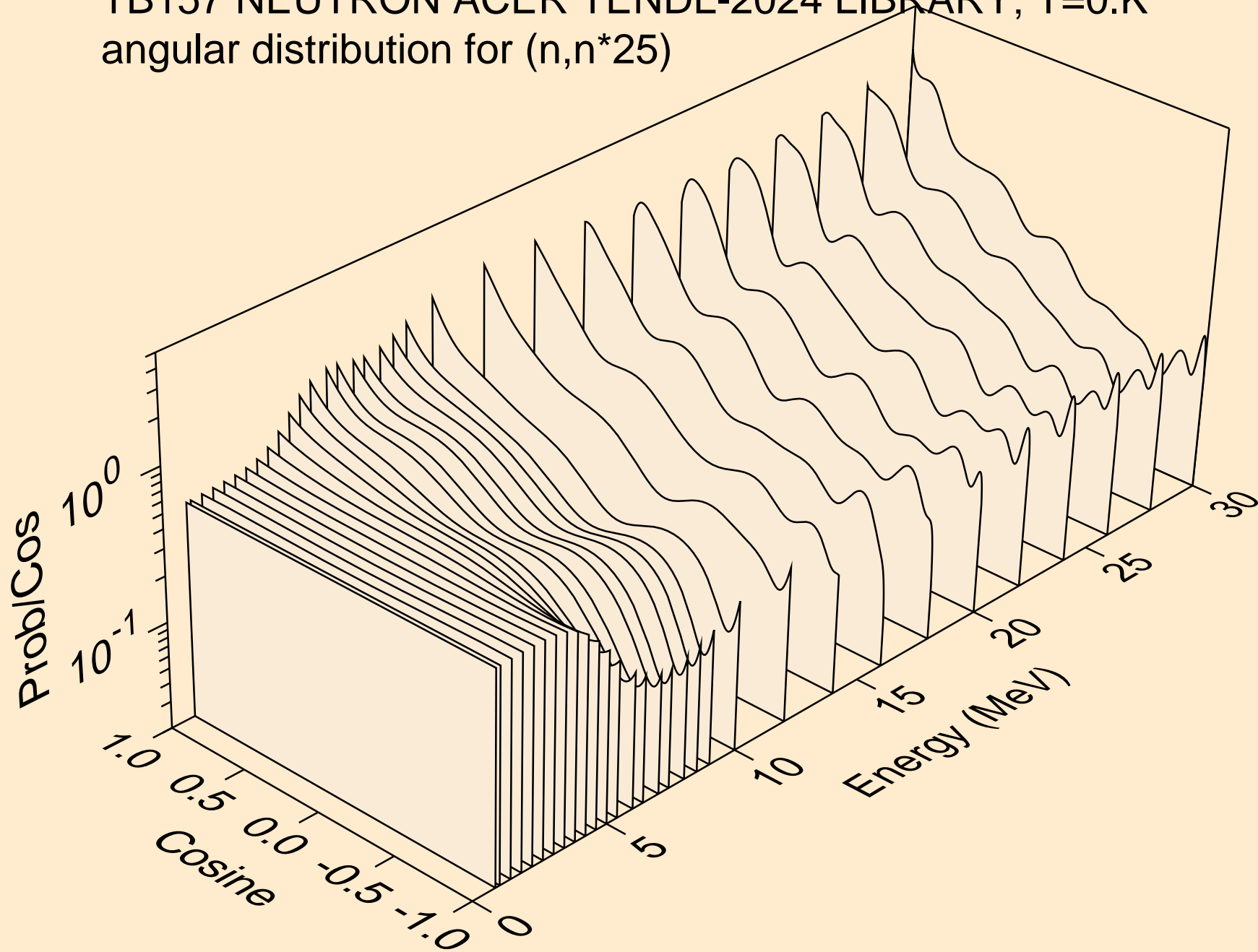


TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*24)

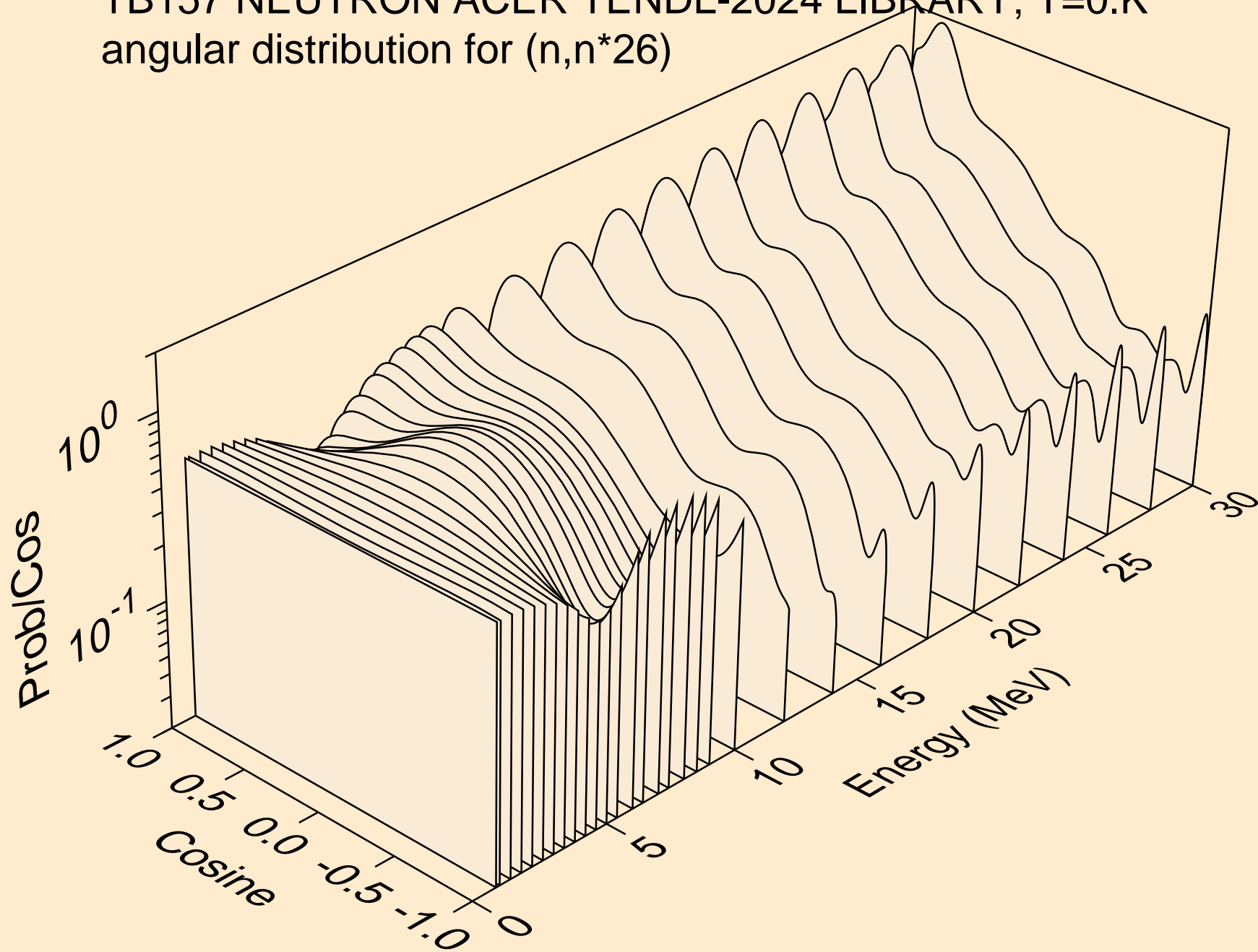




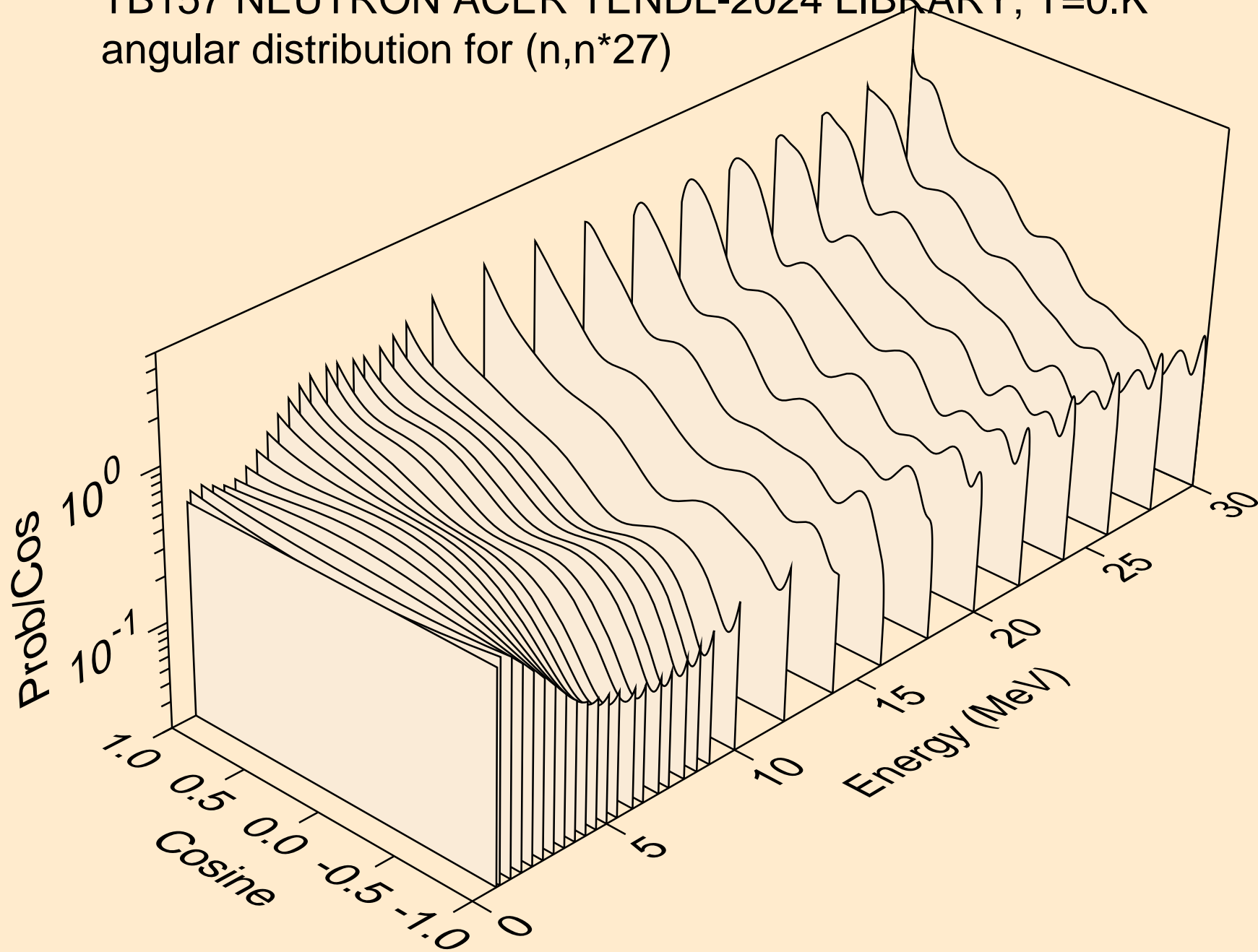
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*25)



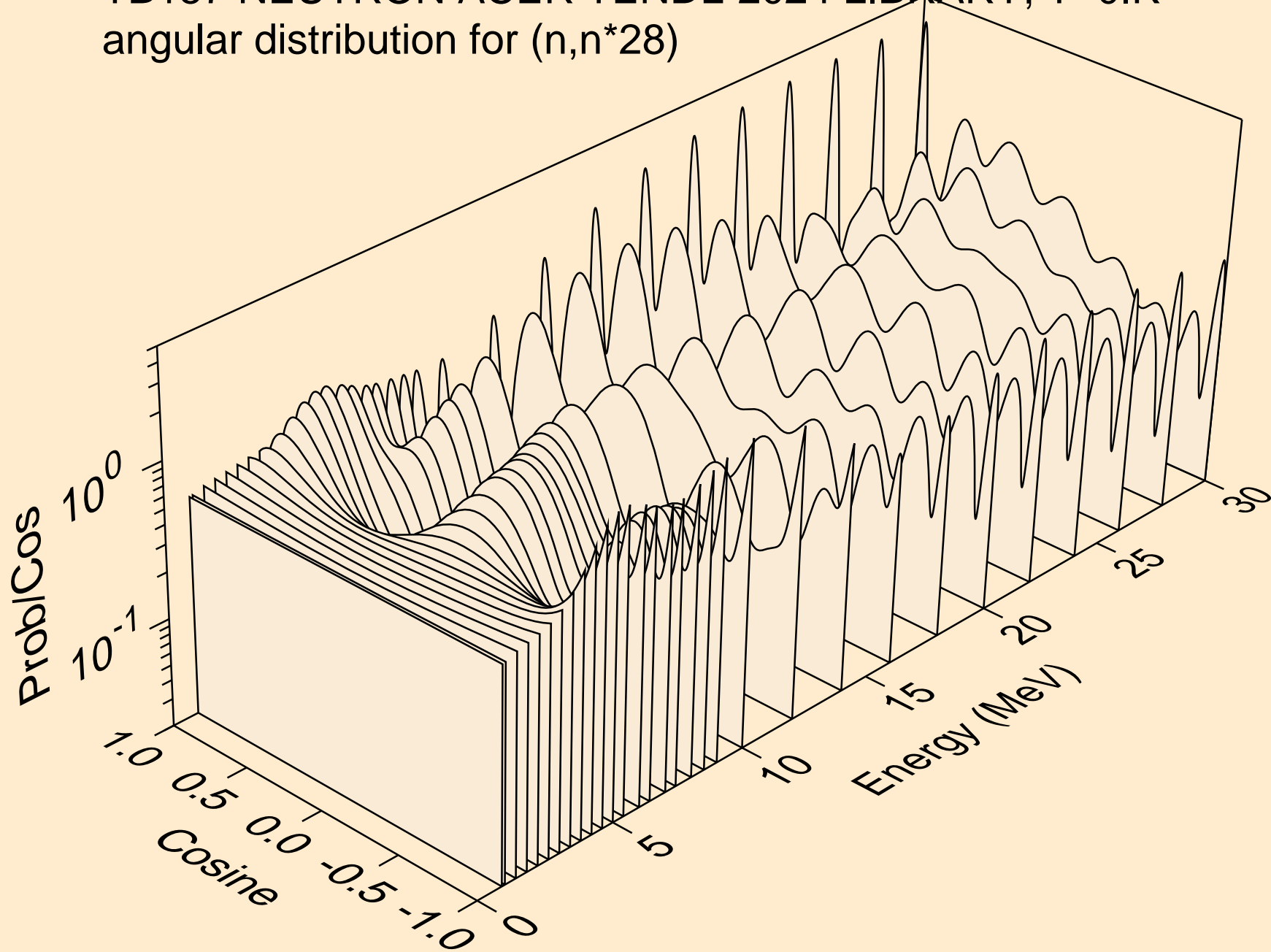
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*26)



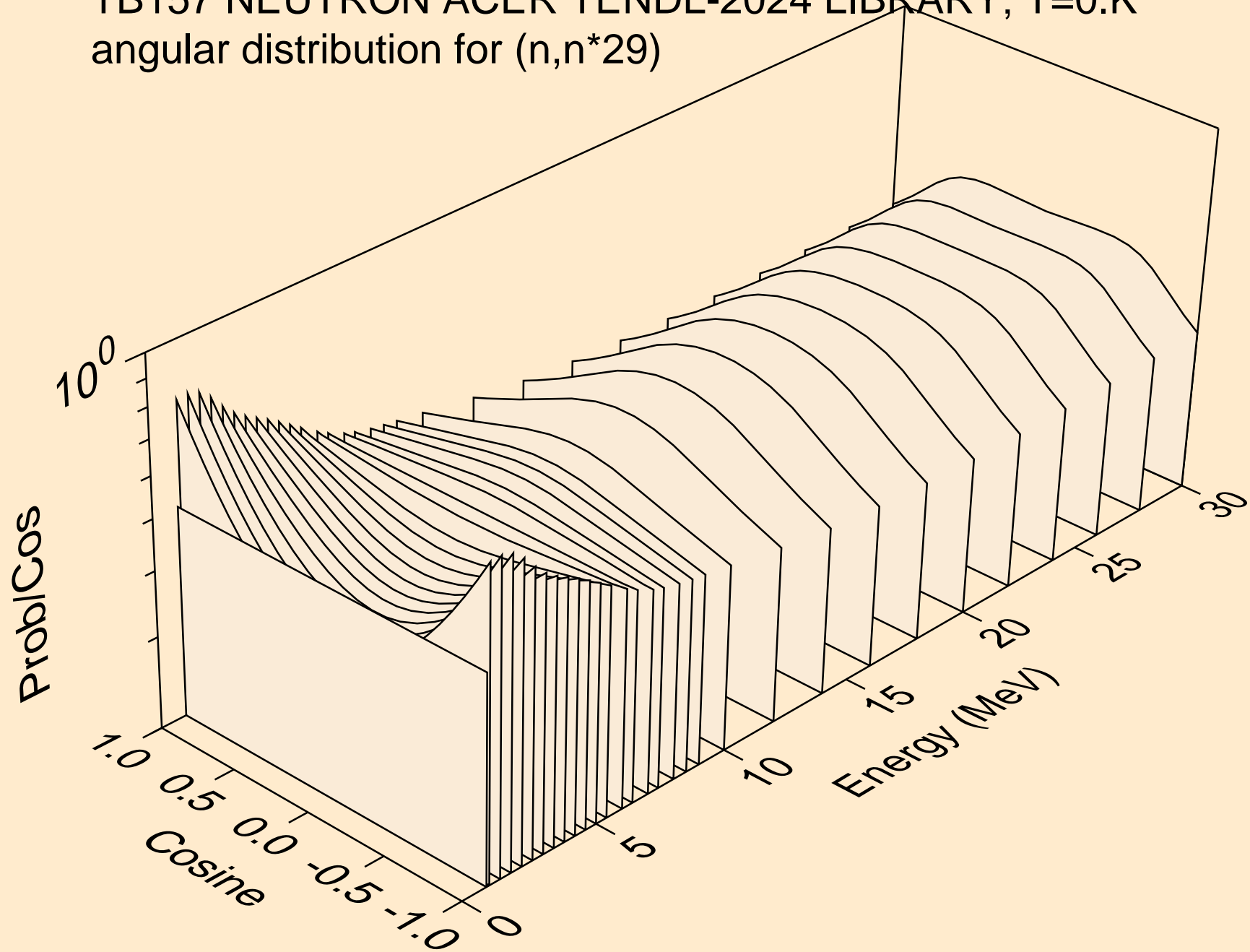
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



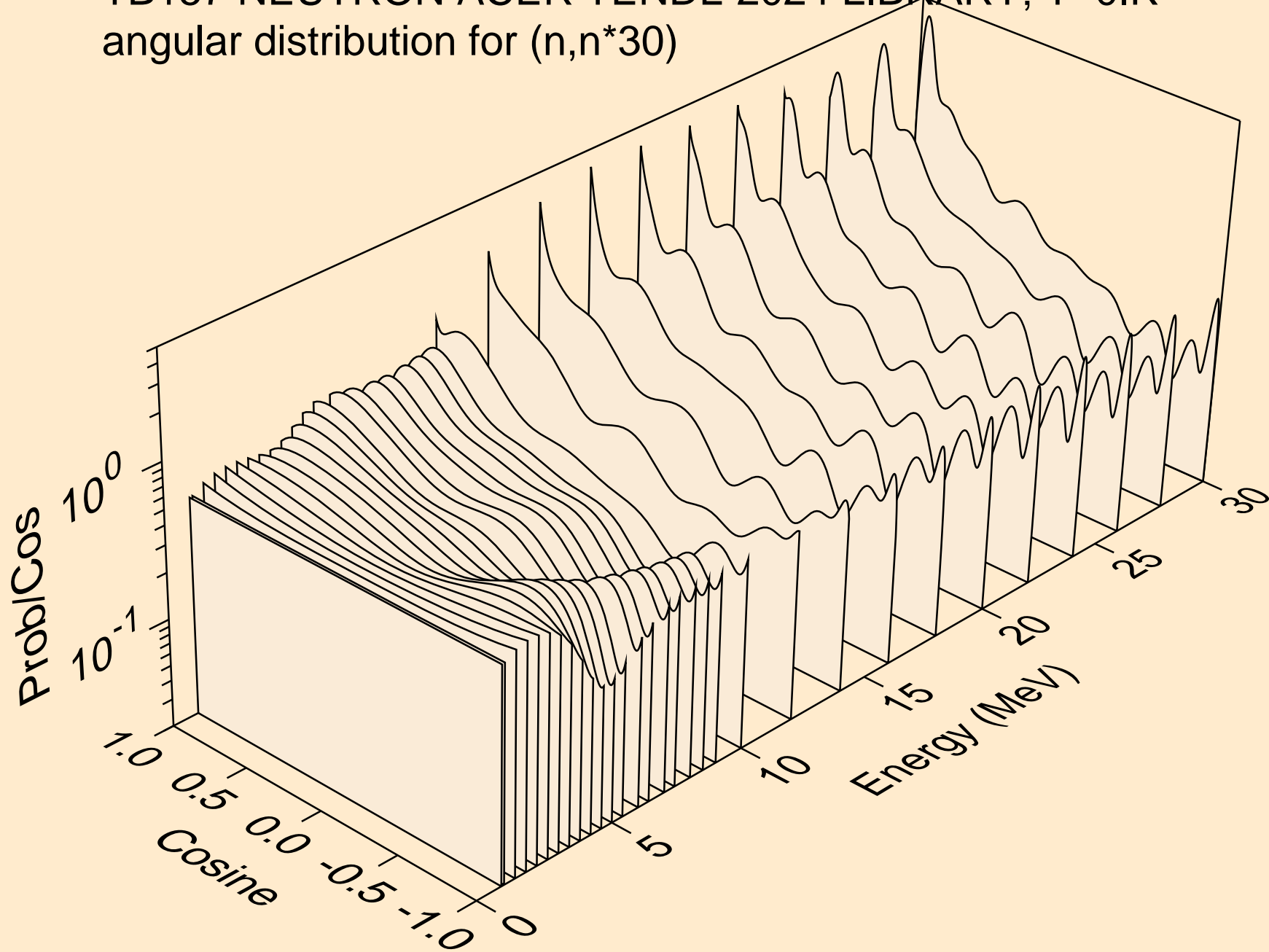
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*28)



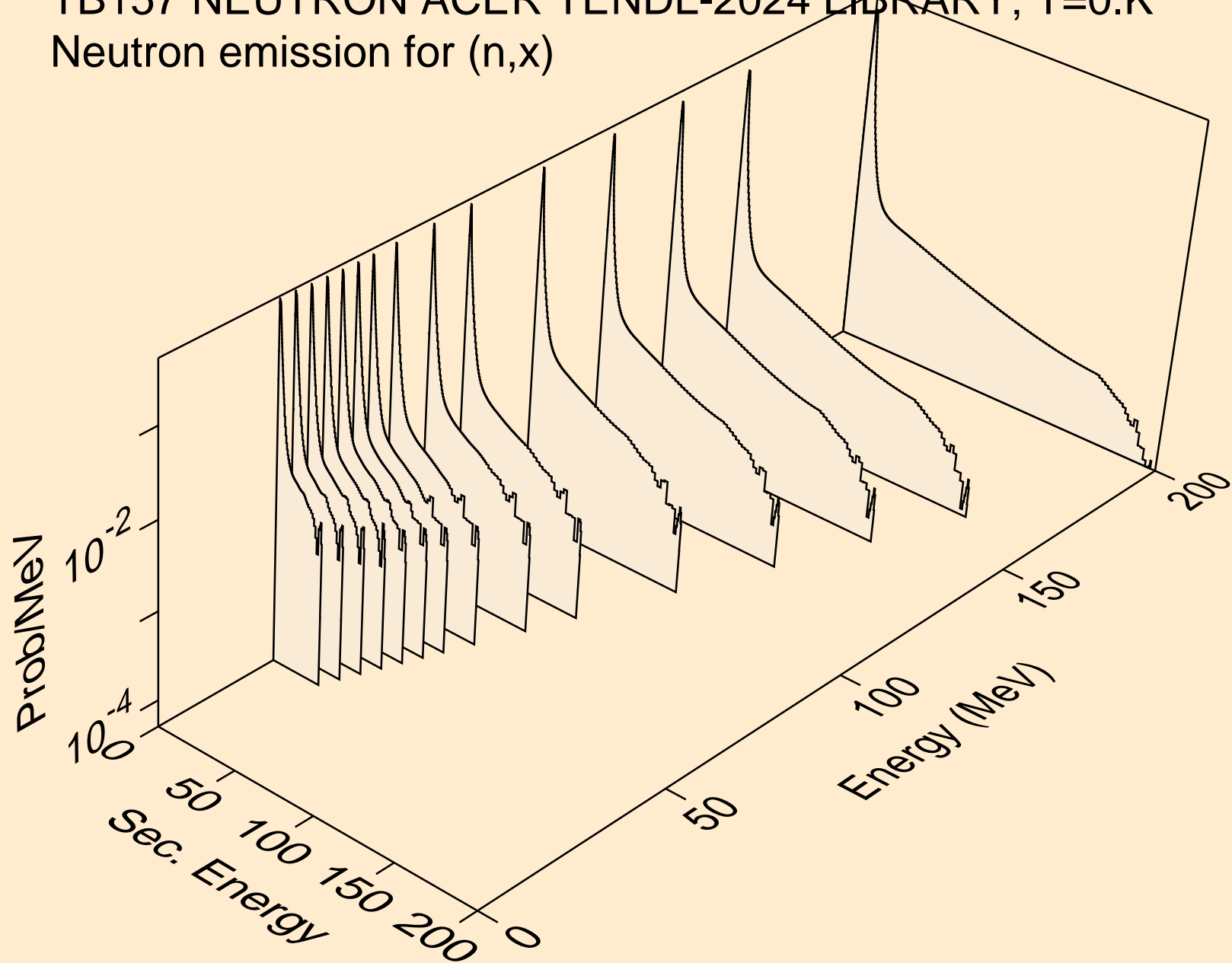
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*29)



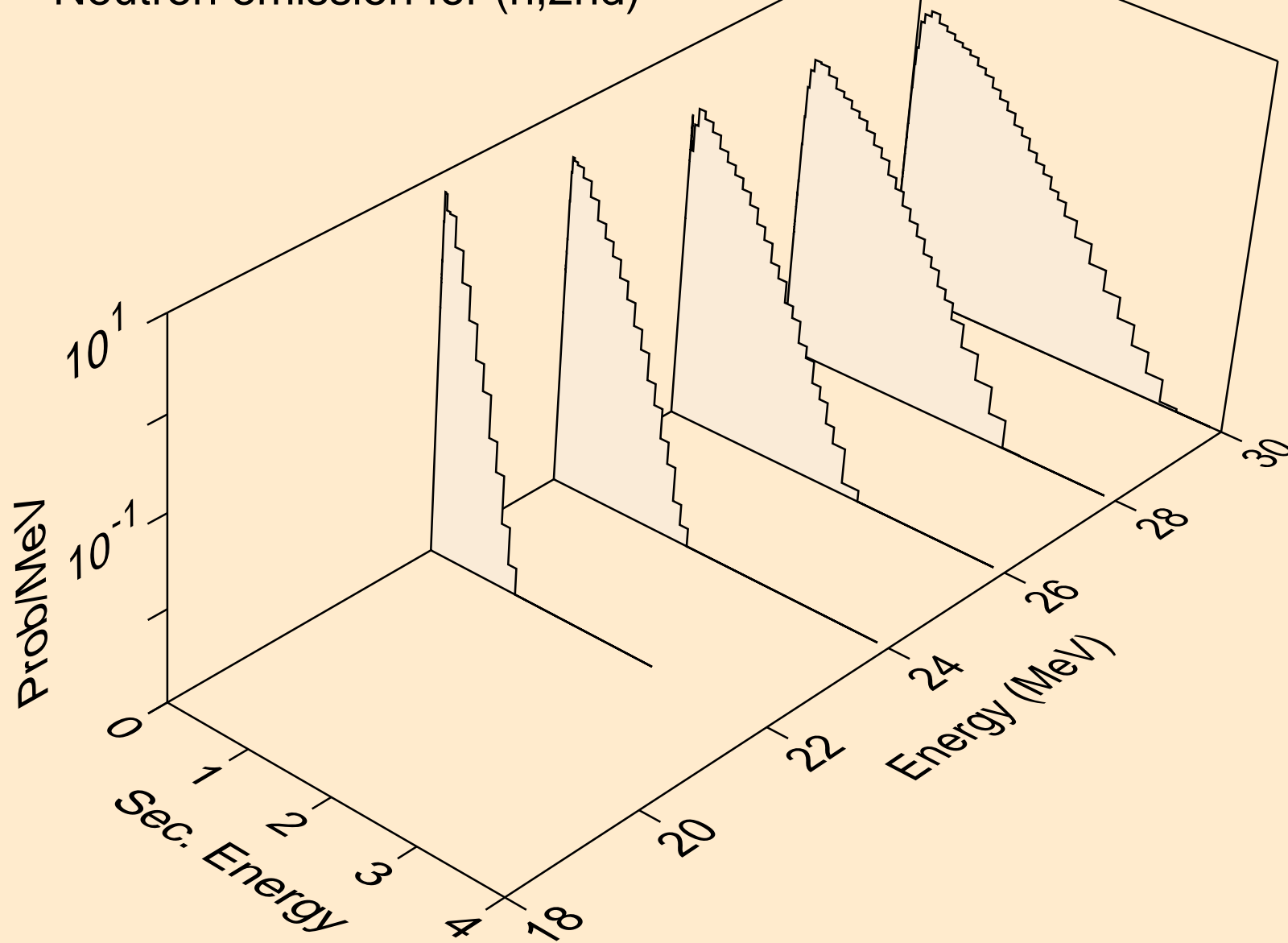
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*30)



TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)

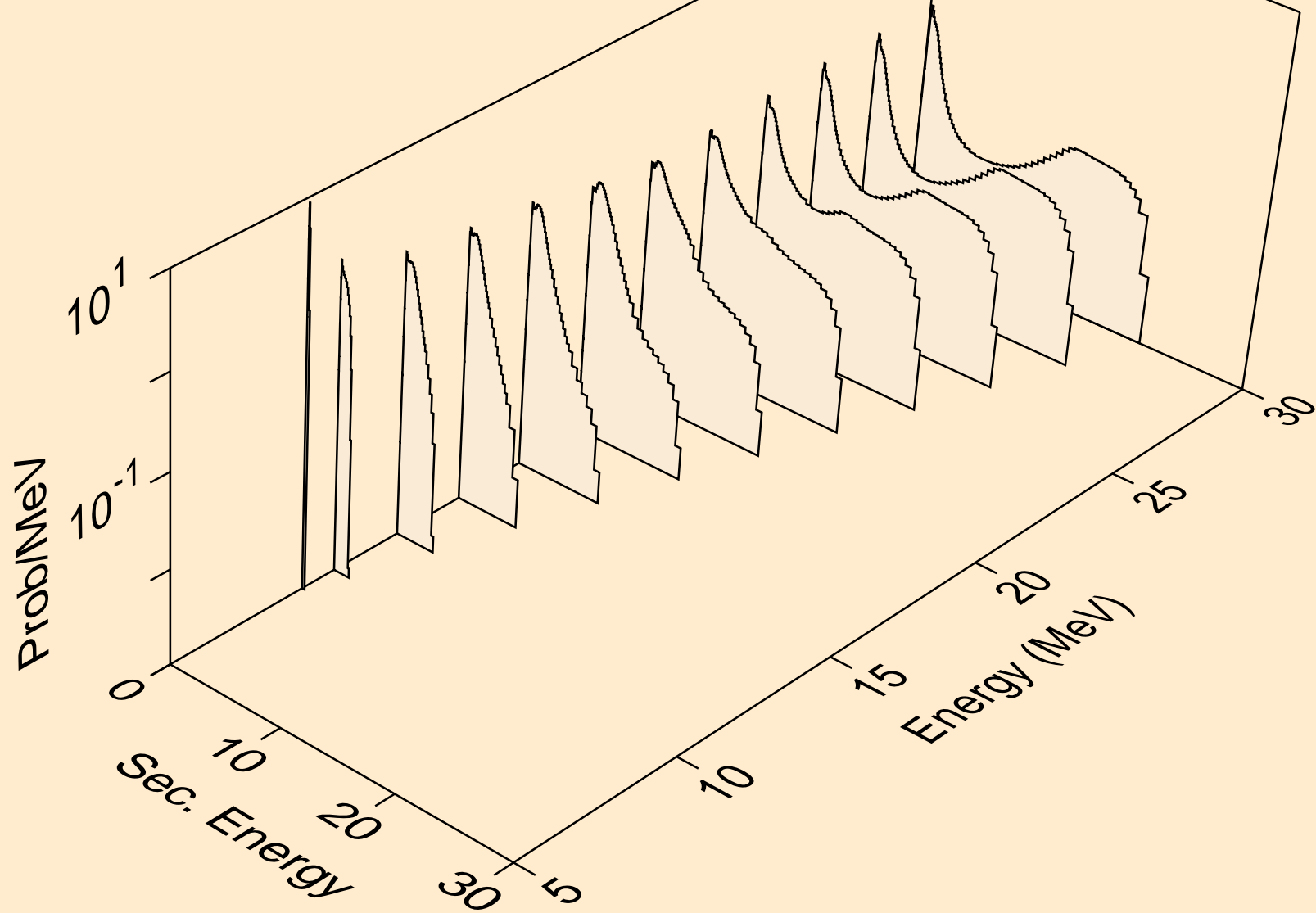


TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)

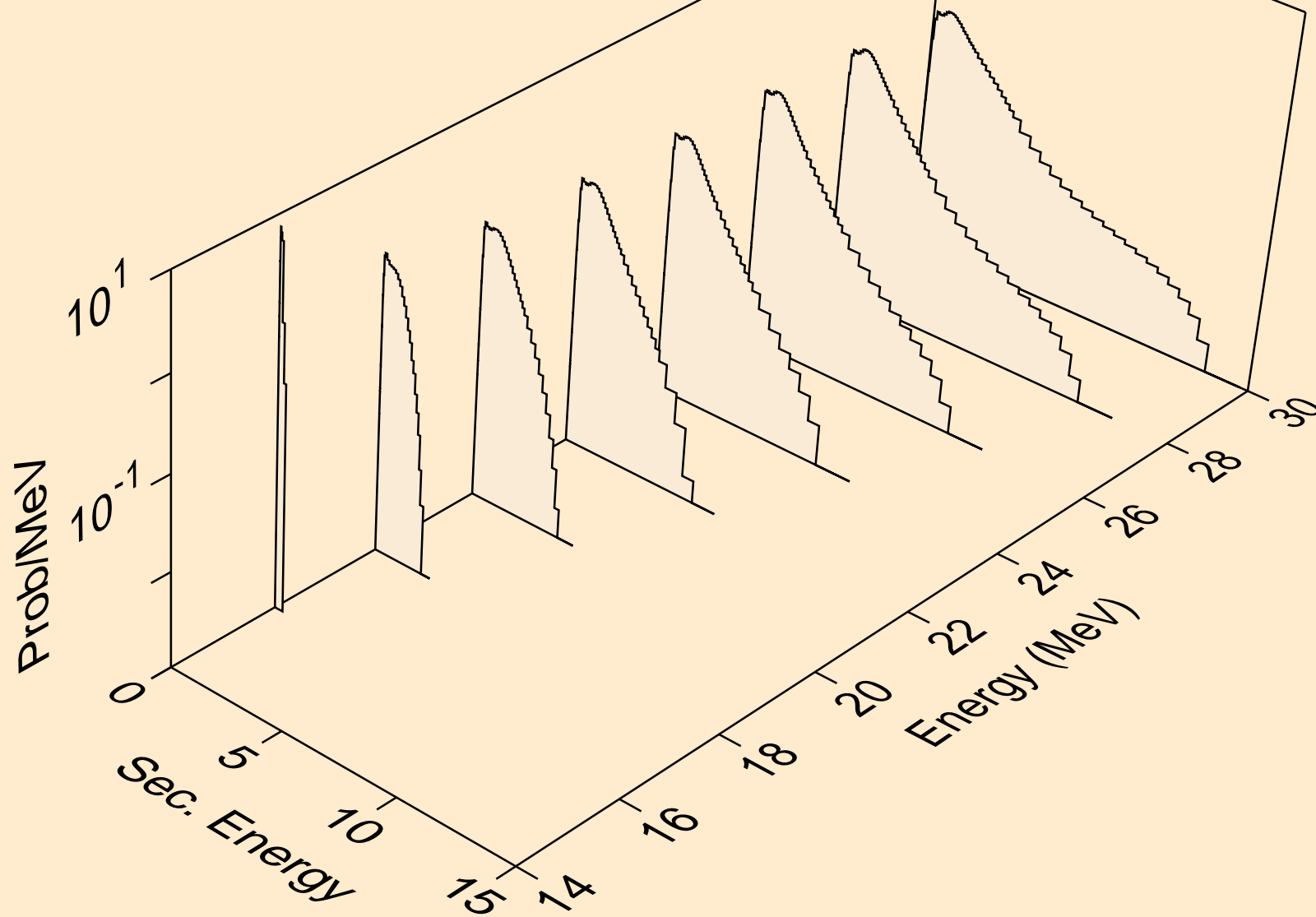




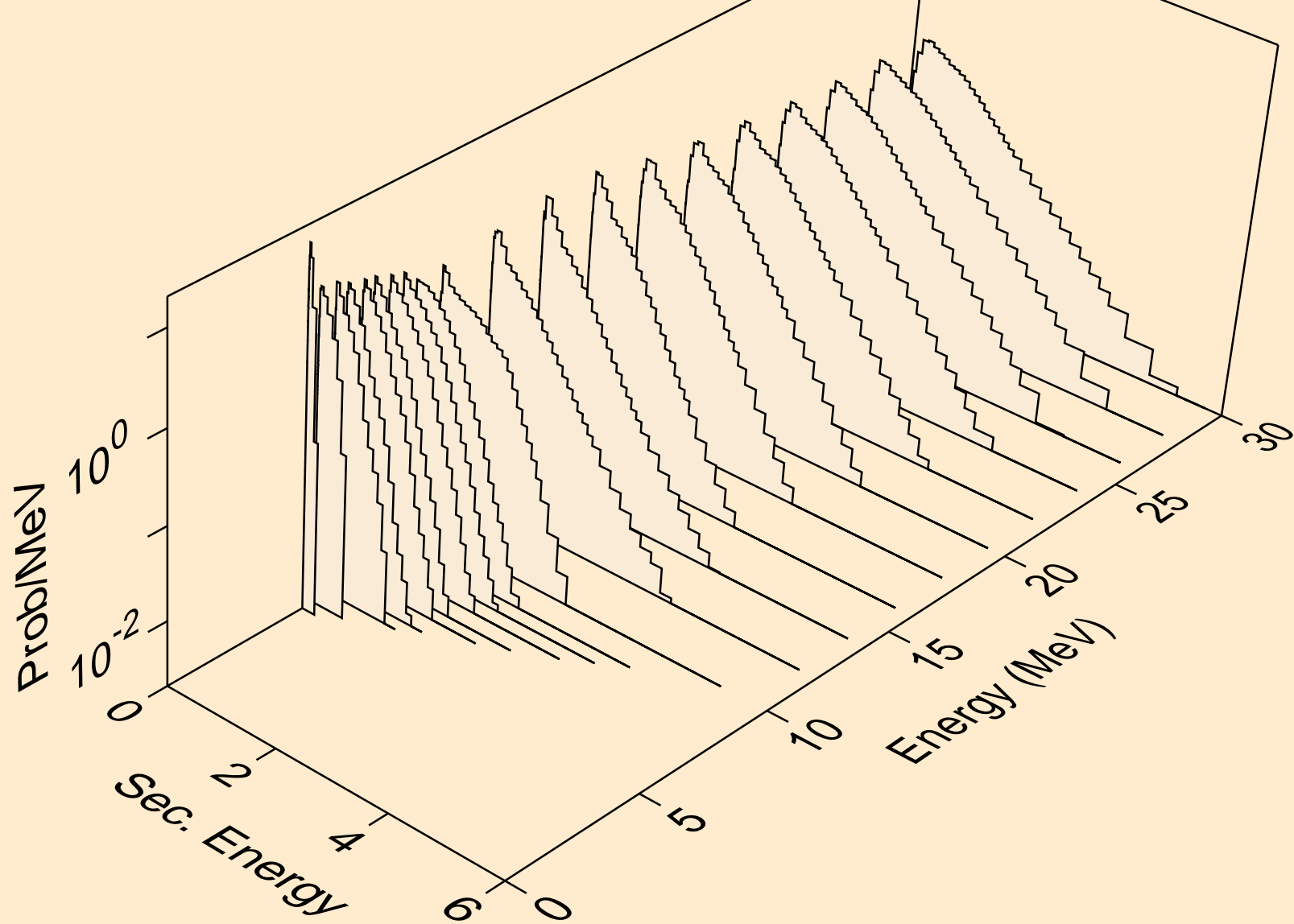
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)



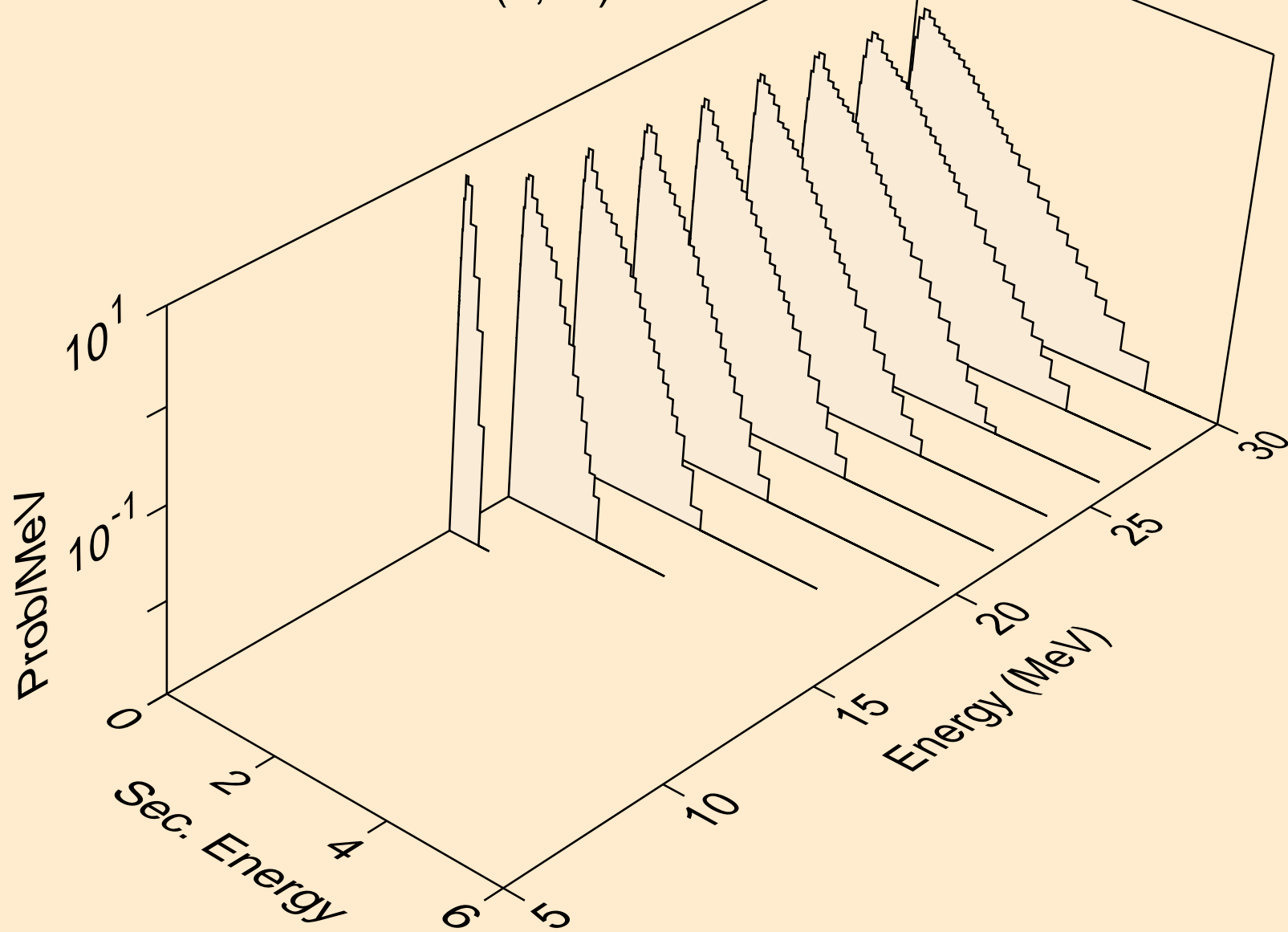
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)



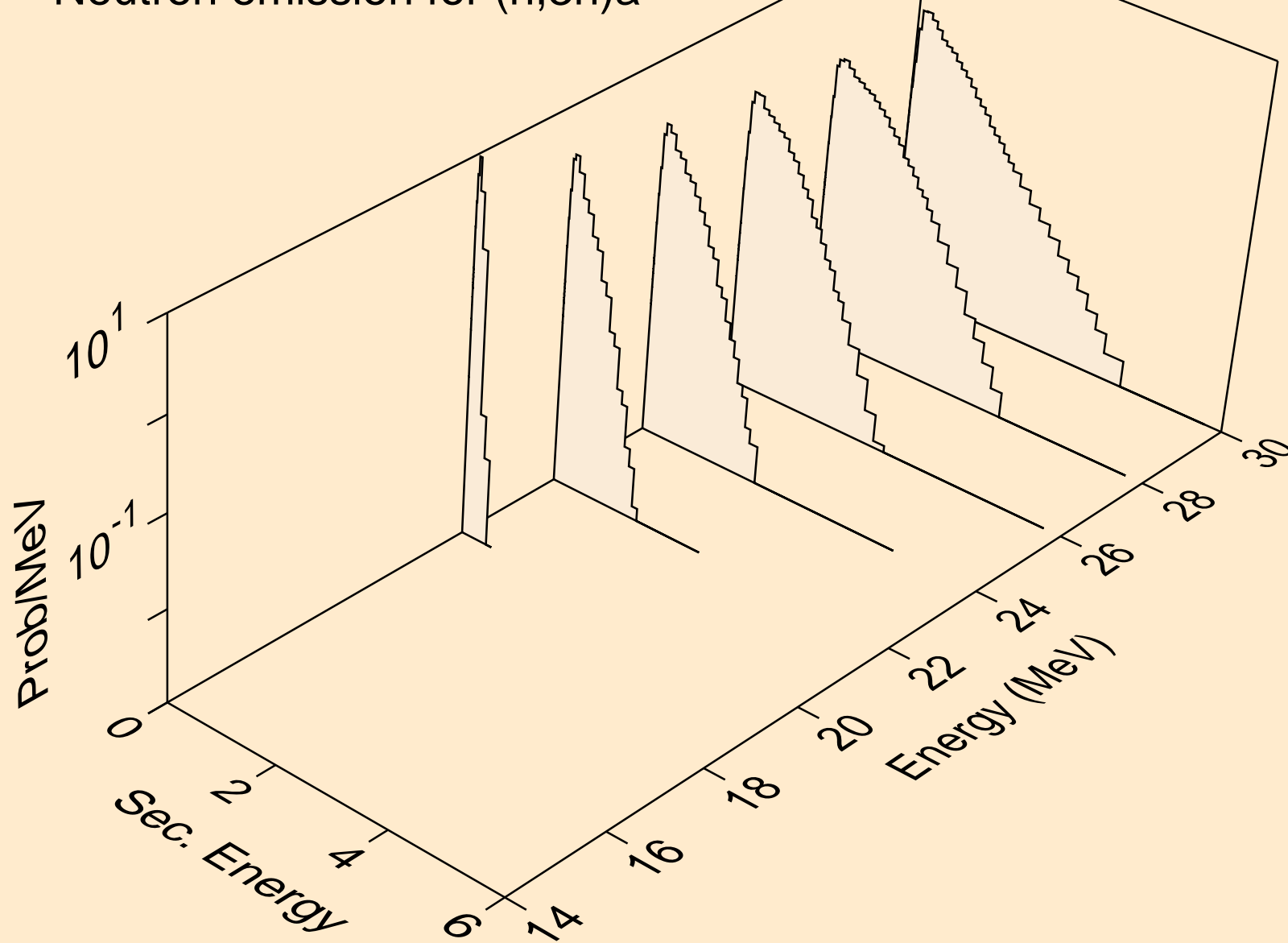
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



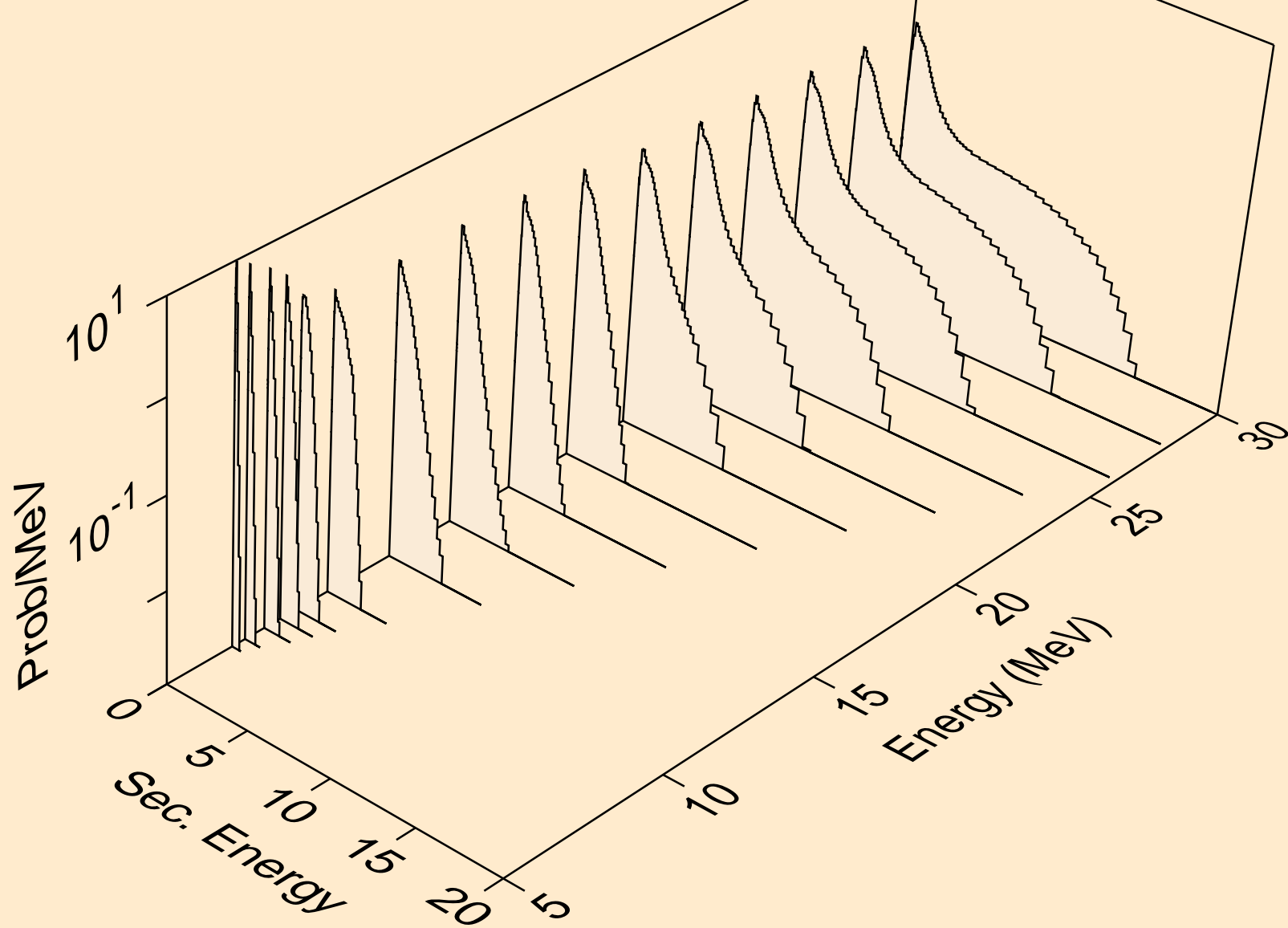
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



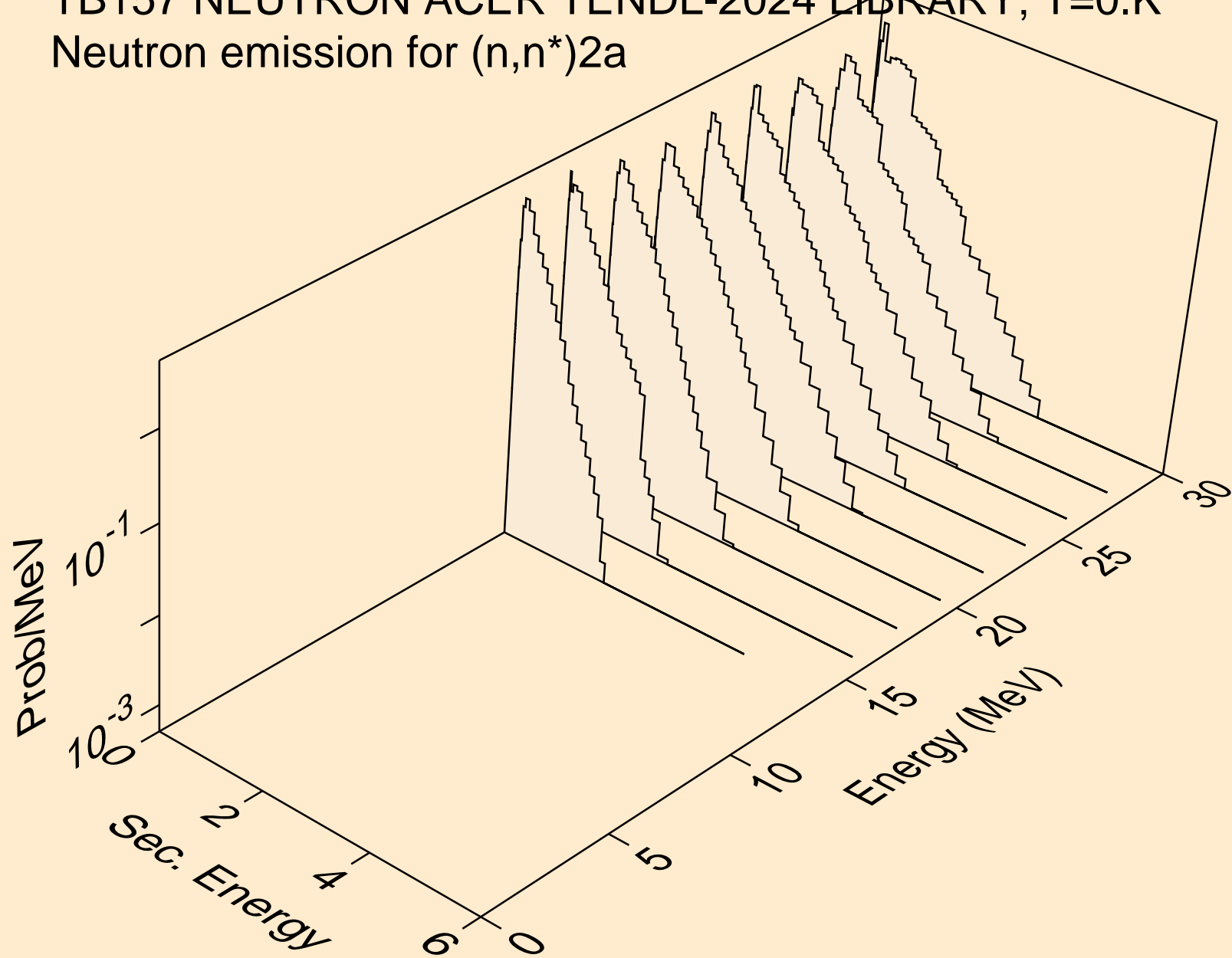
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



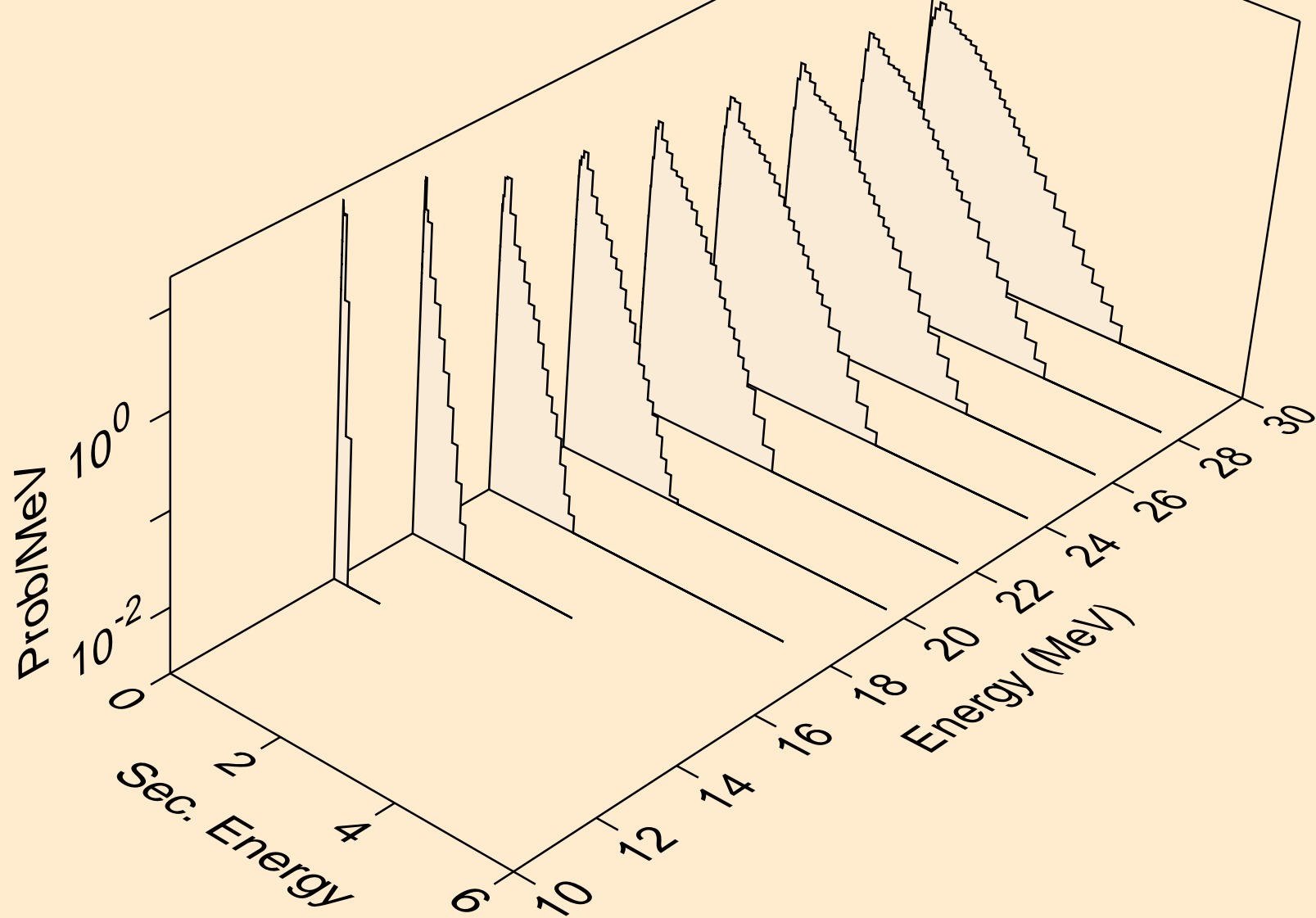
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a

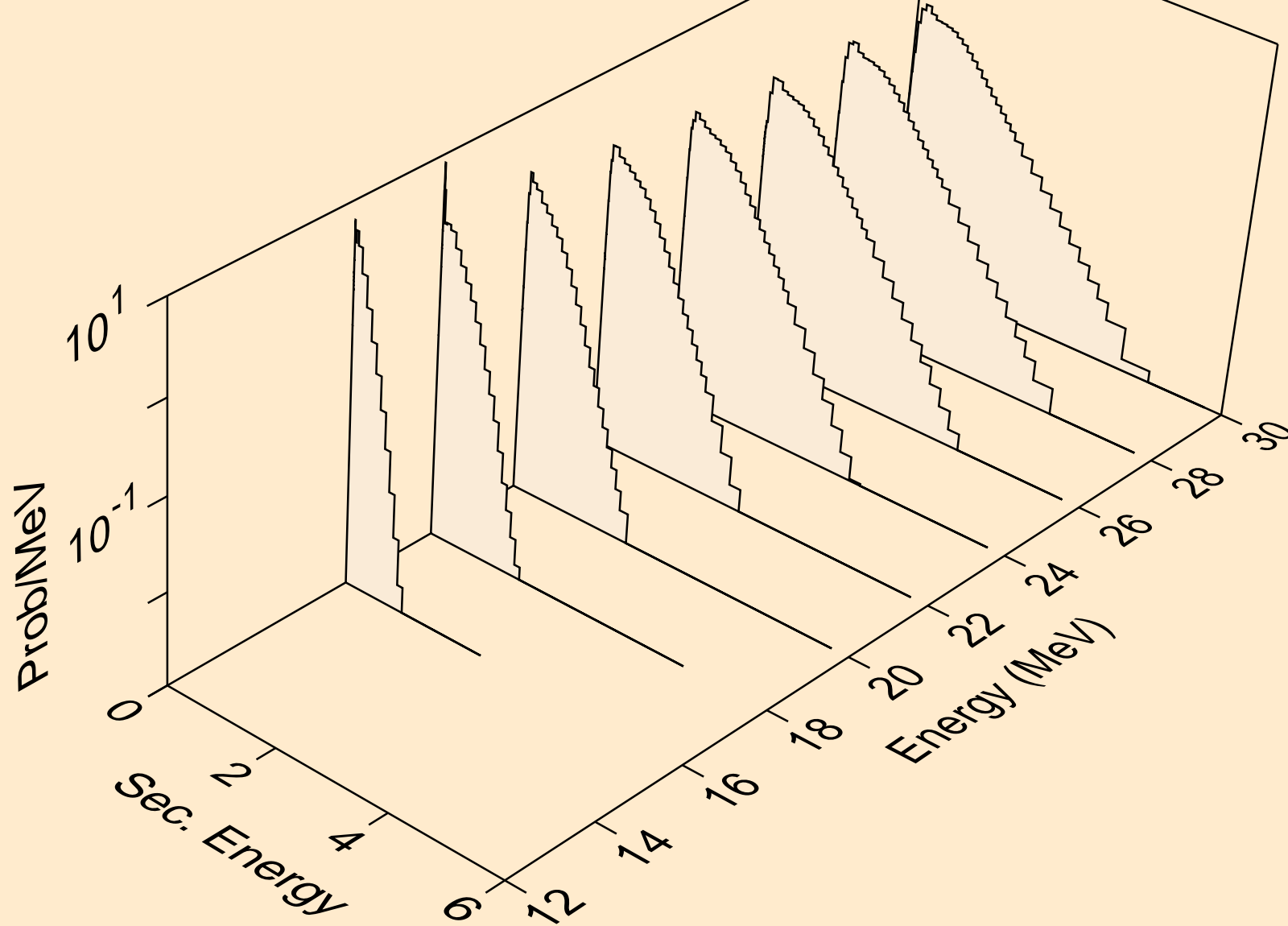


TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

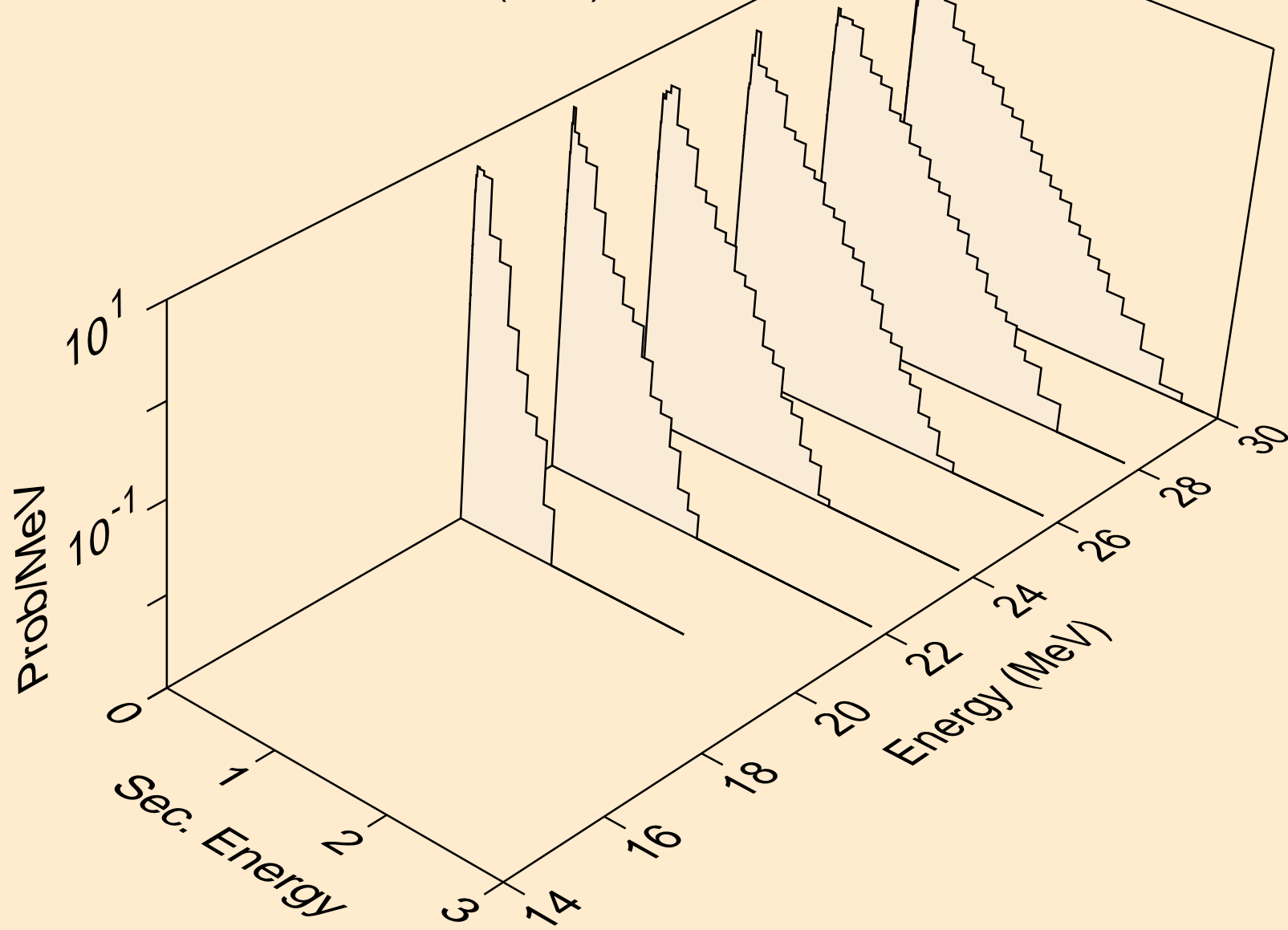




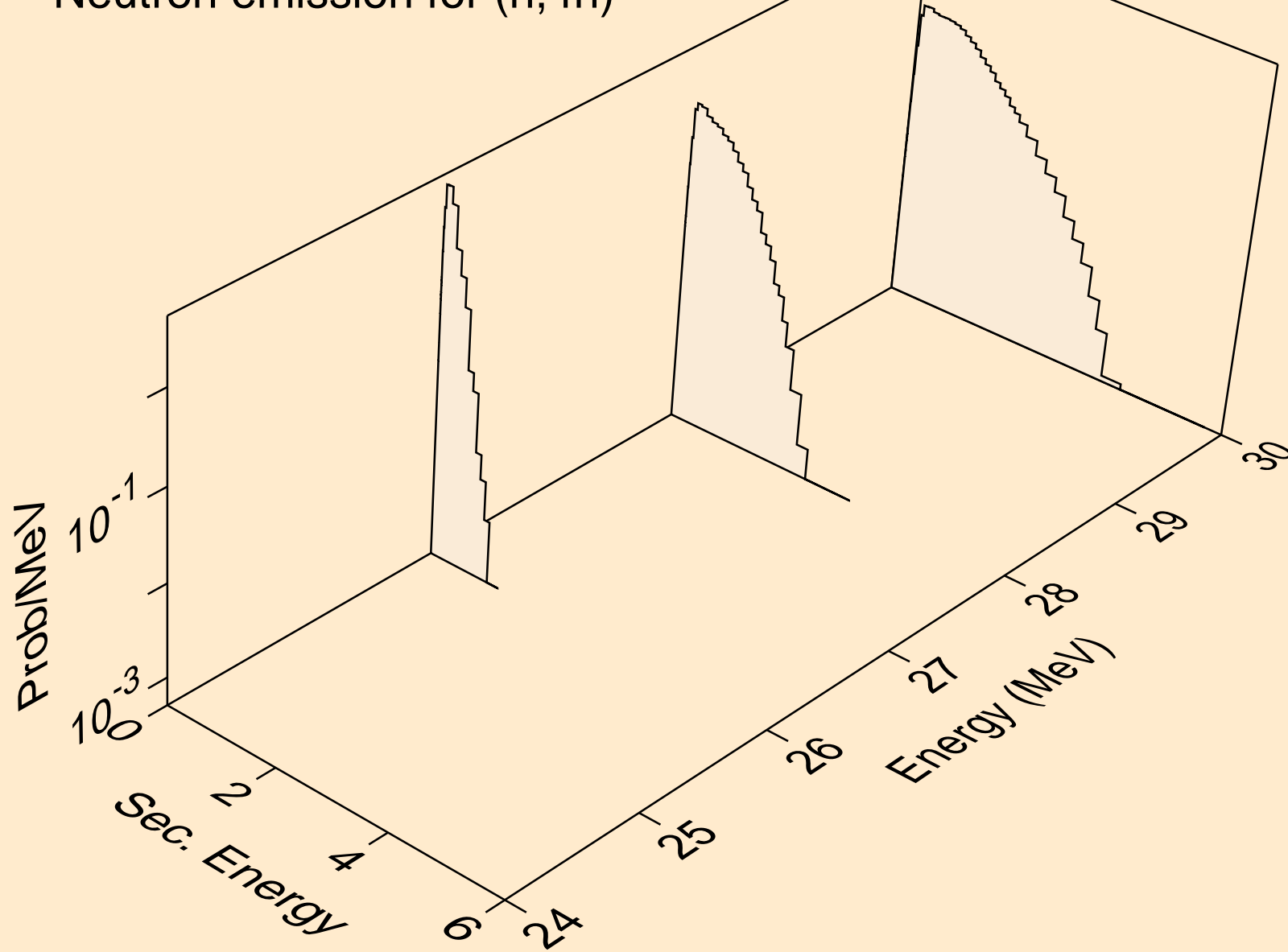
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



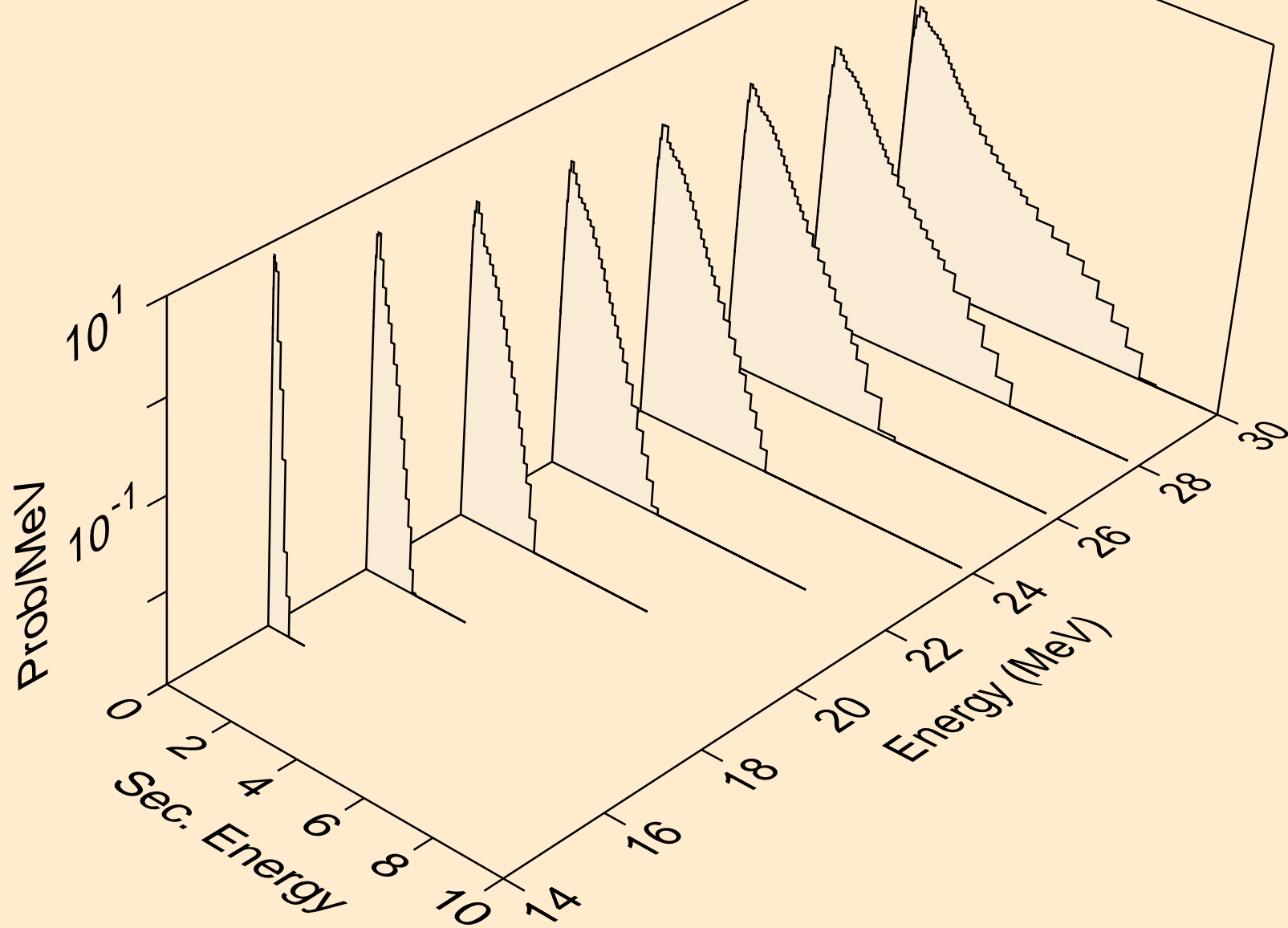
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



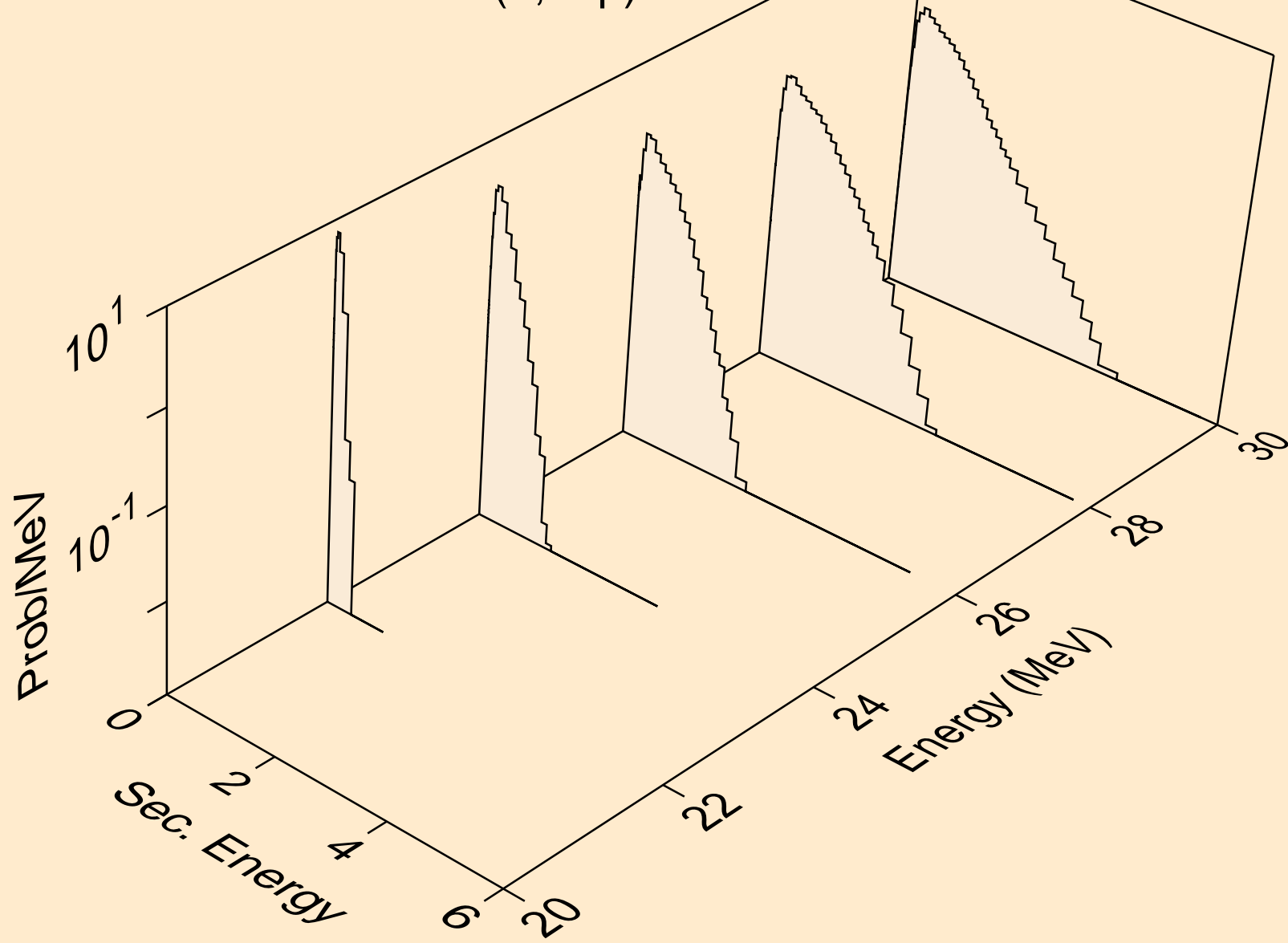
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,4n)



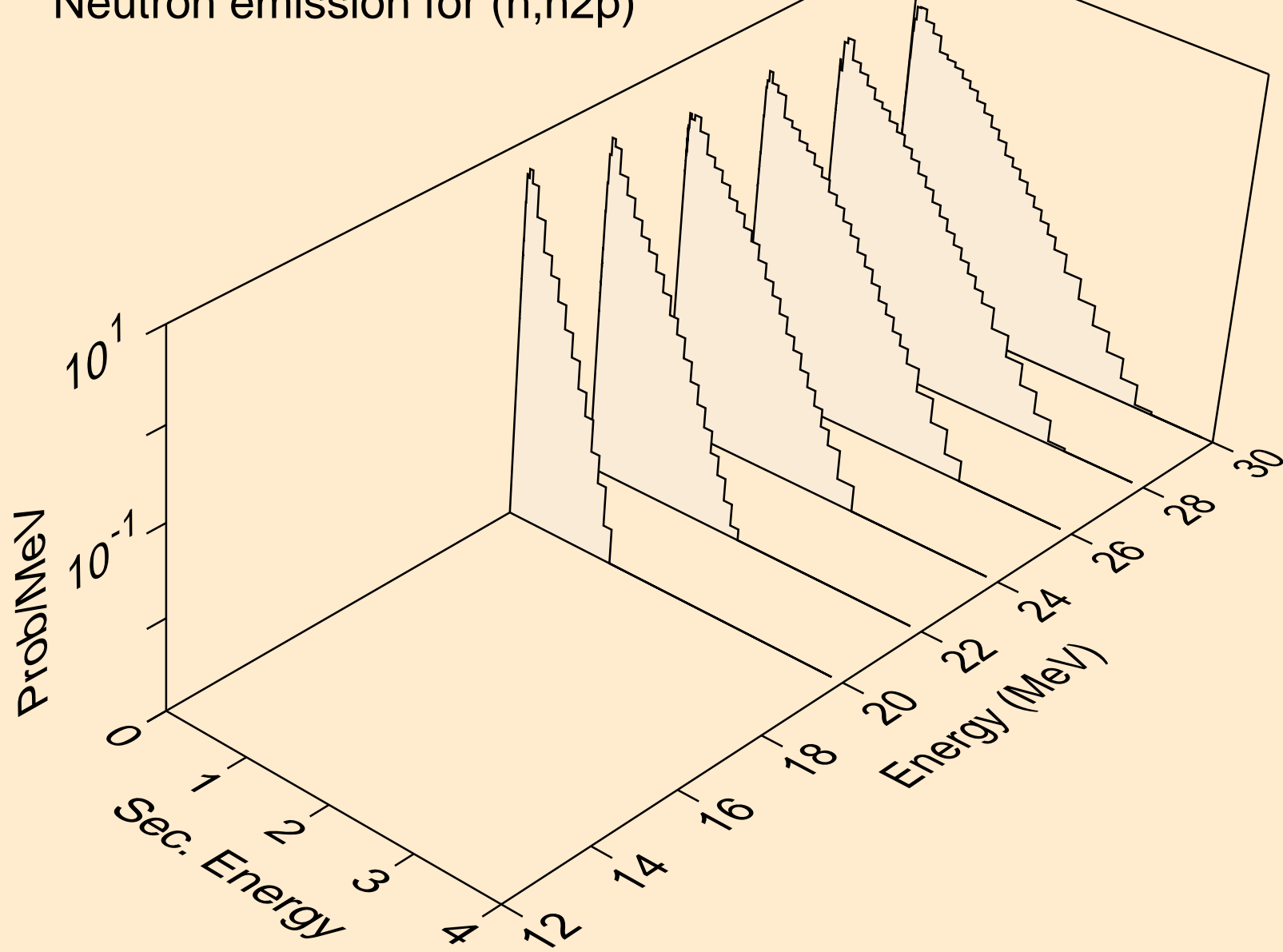
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



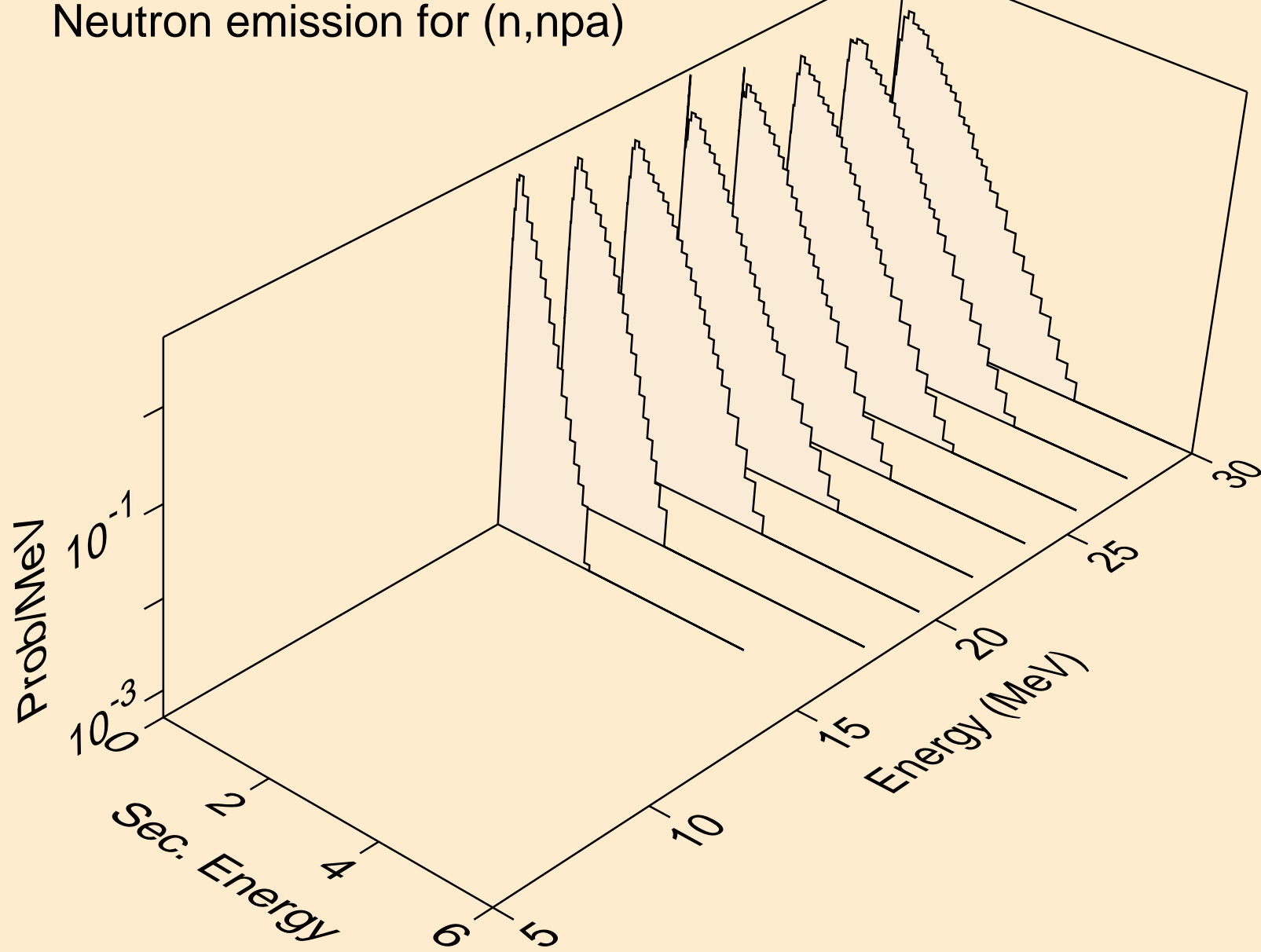
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Neutron emission for (n,3np)



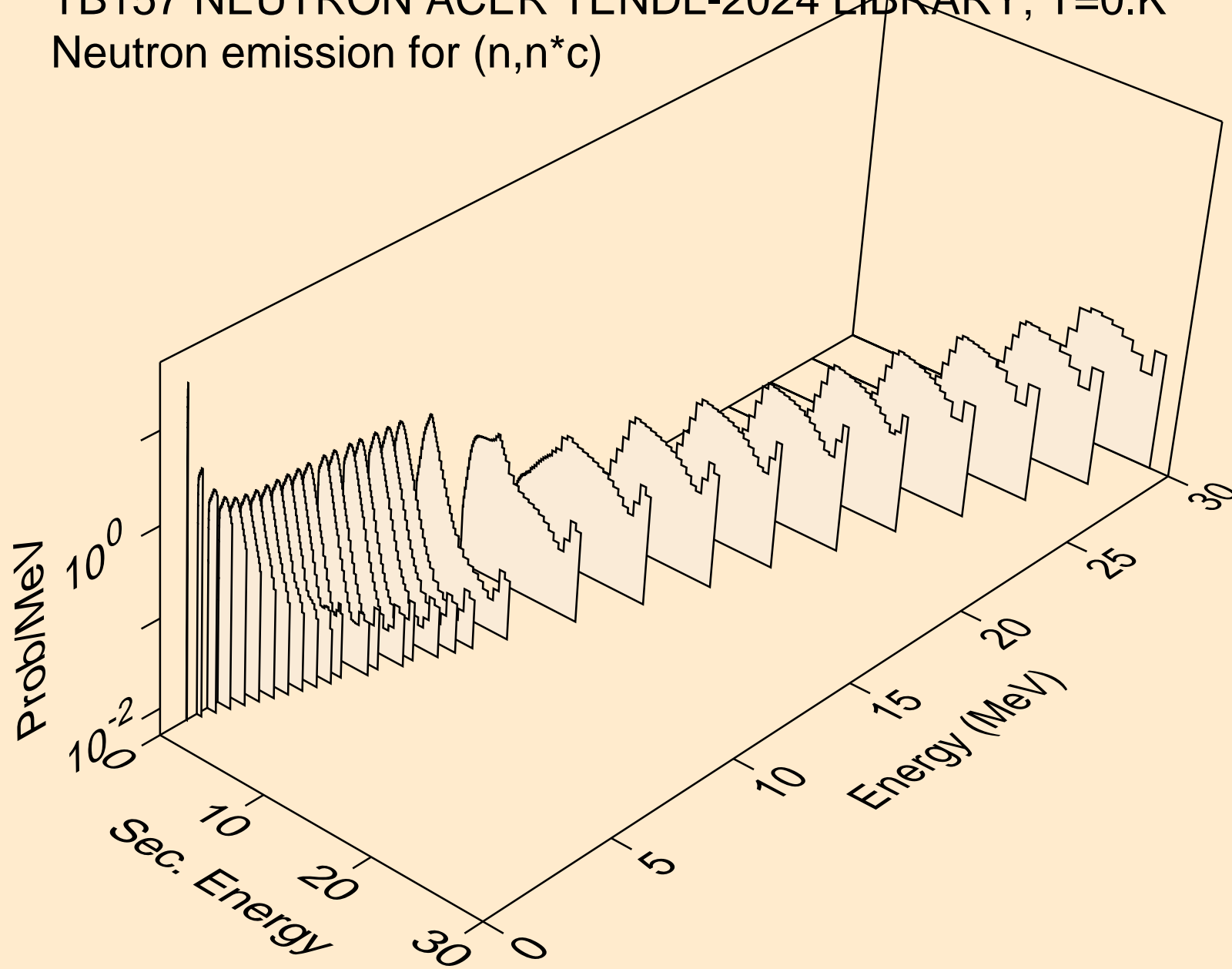
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)

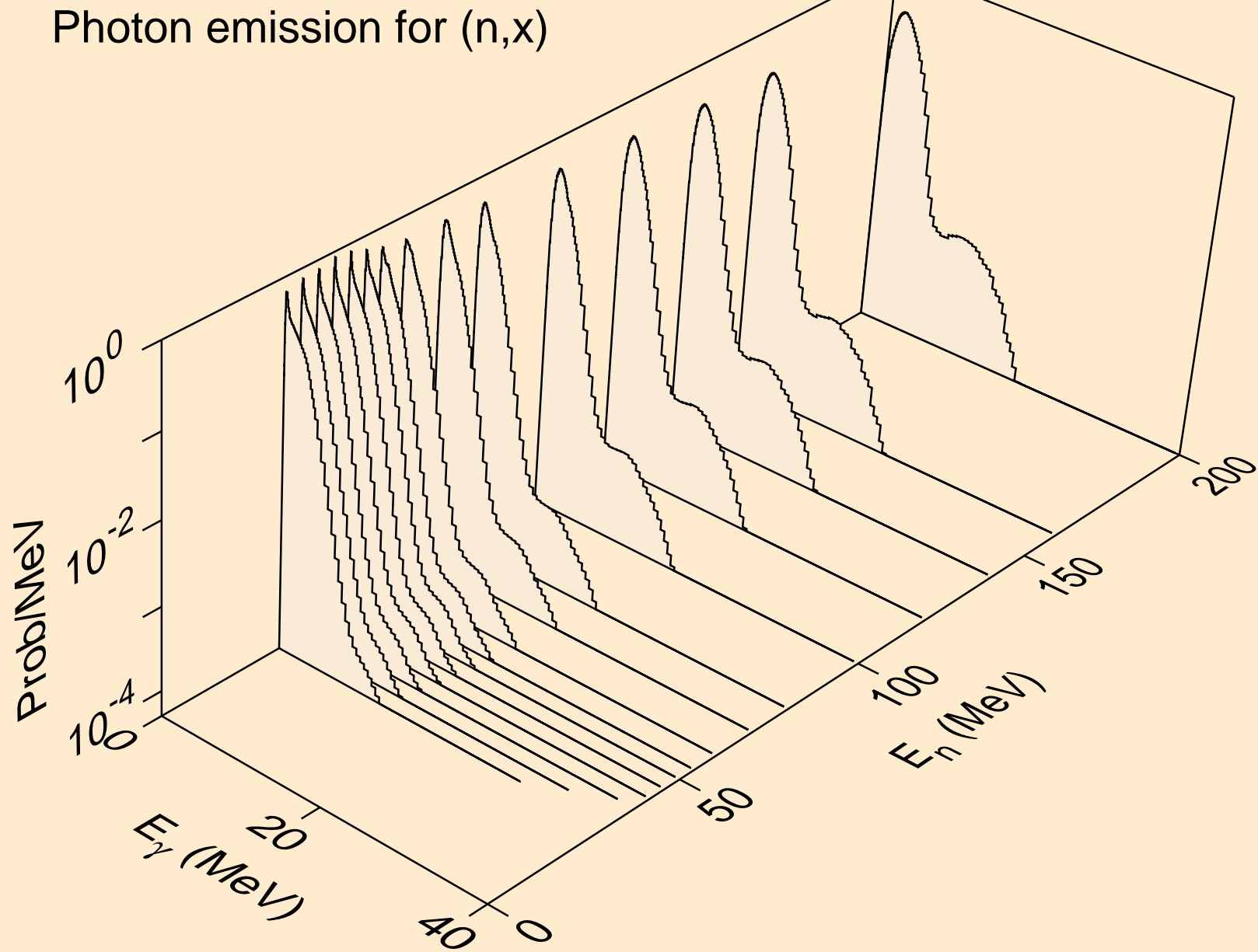


TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

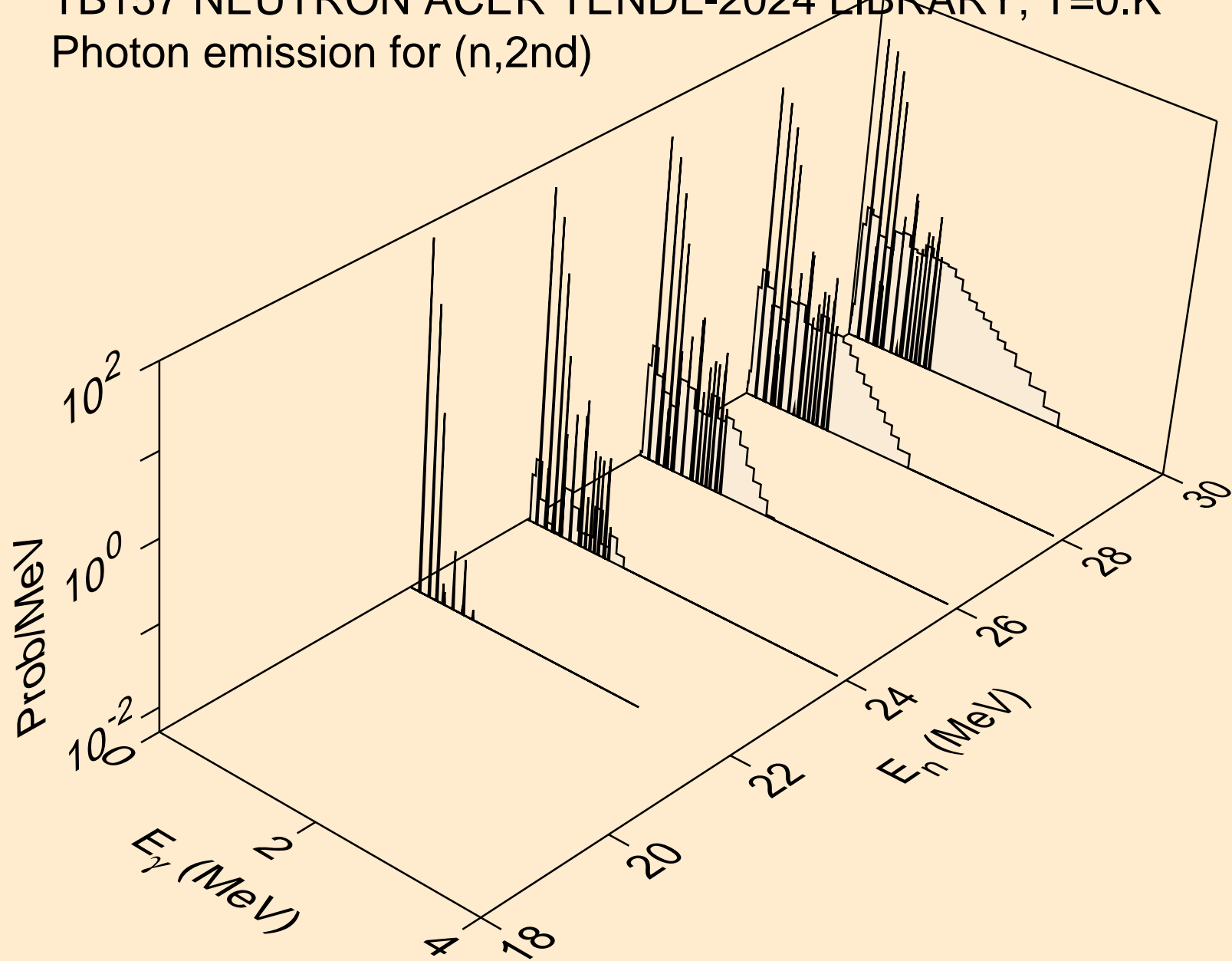




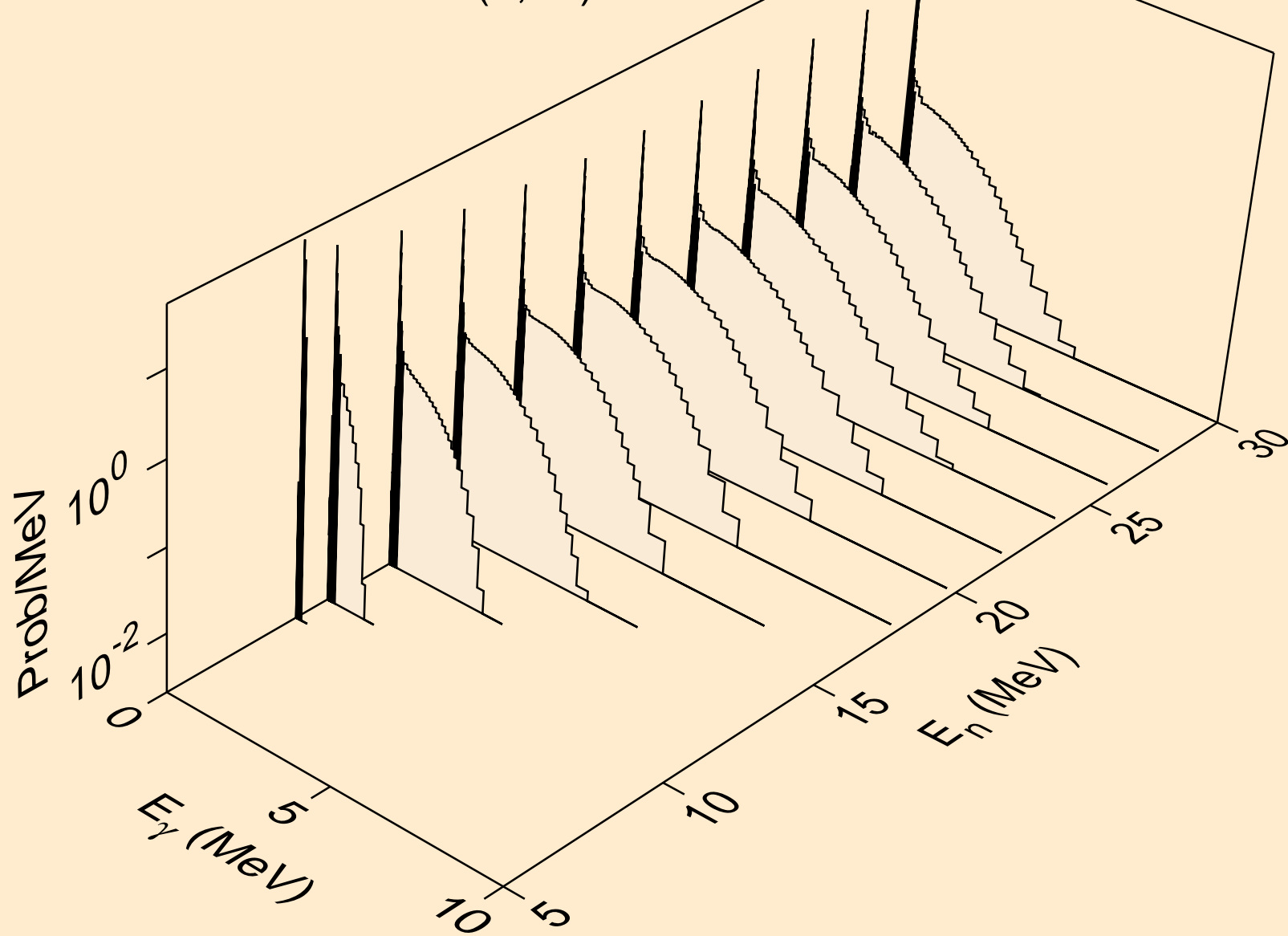
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)



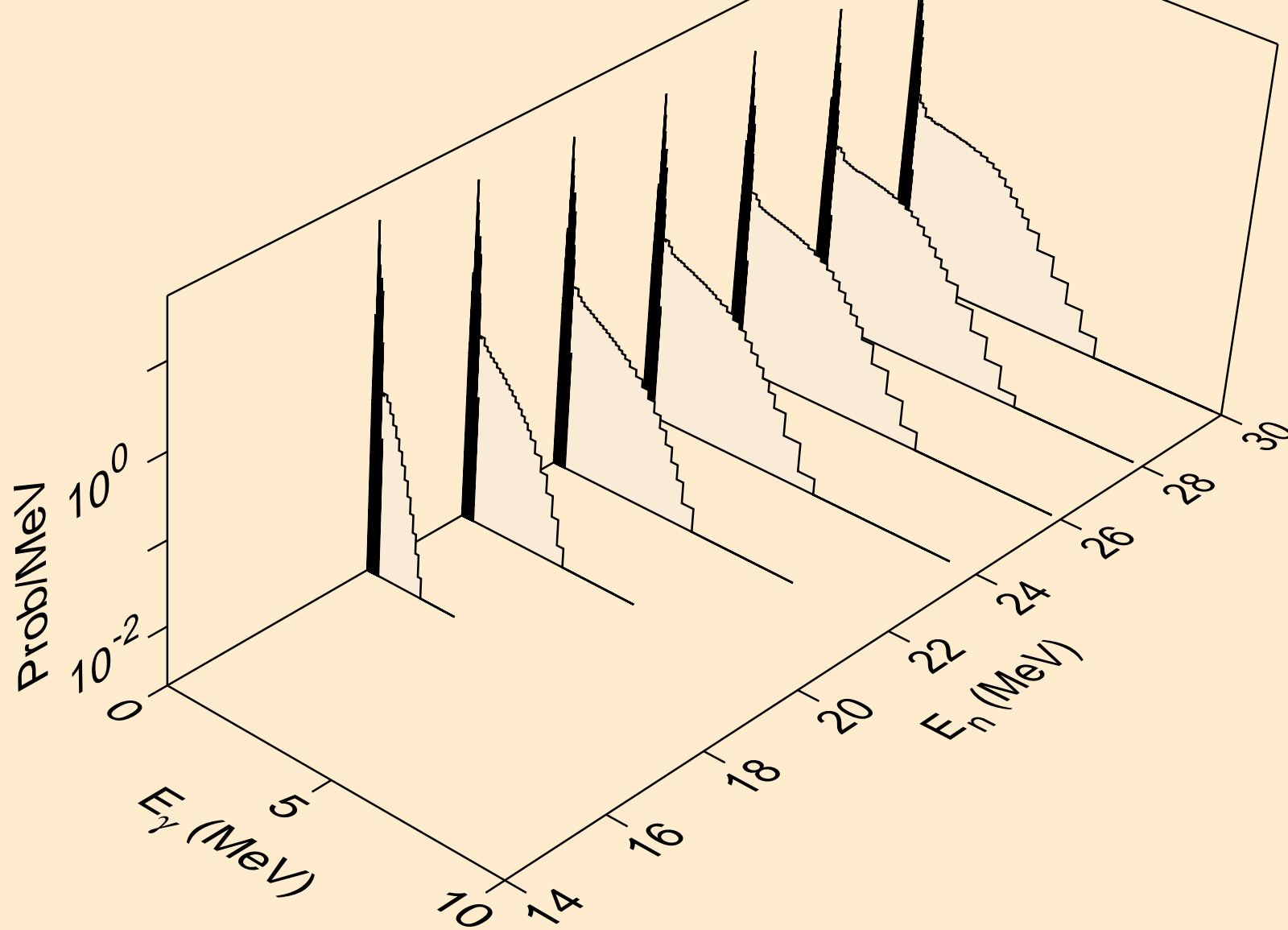
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



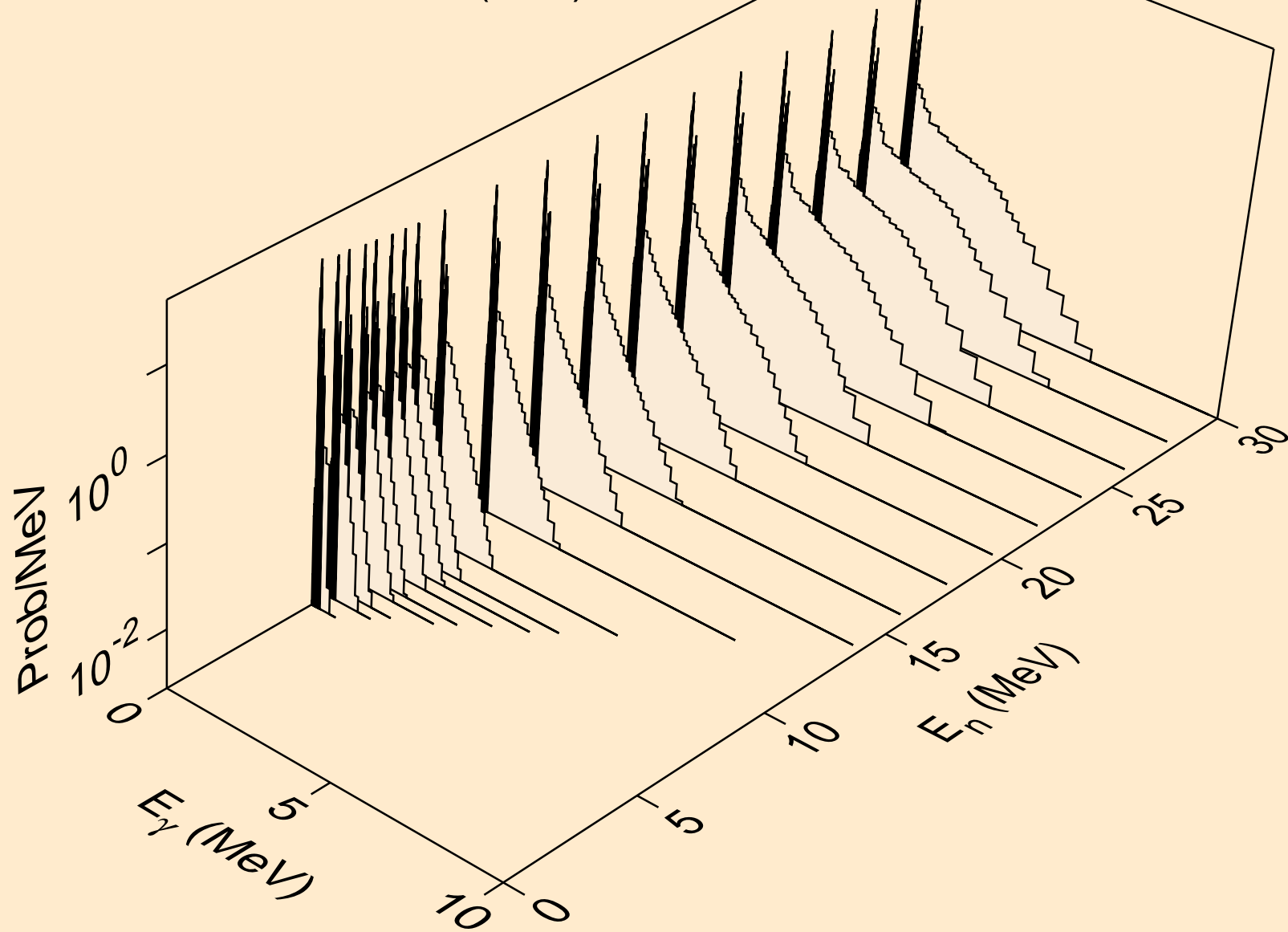
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Photon emission for (n,2n)



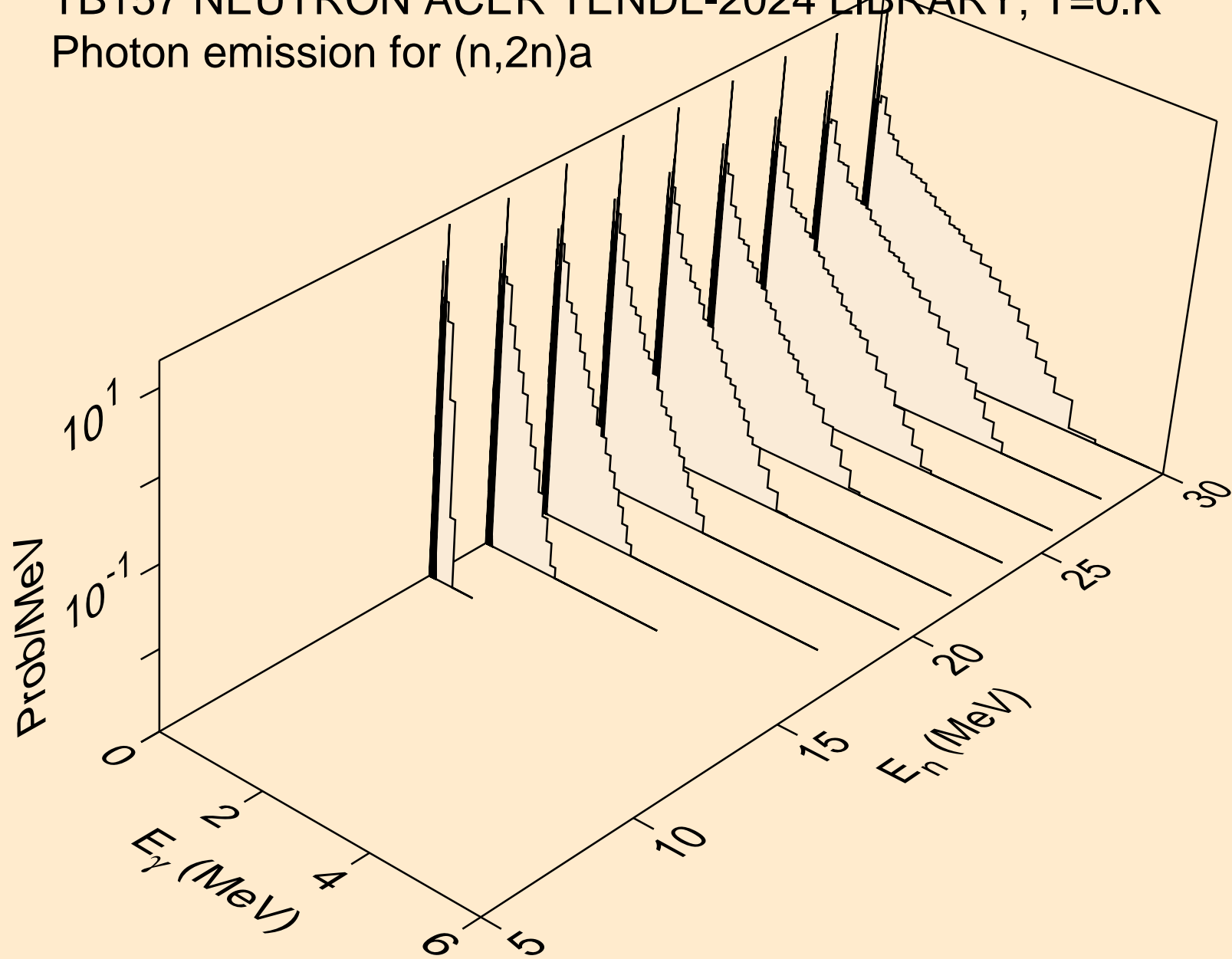
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Photon emission for (n,3n)



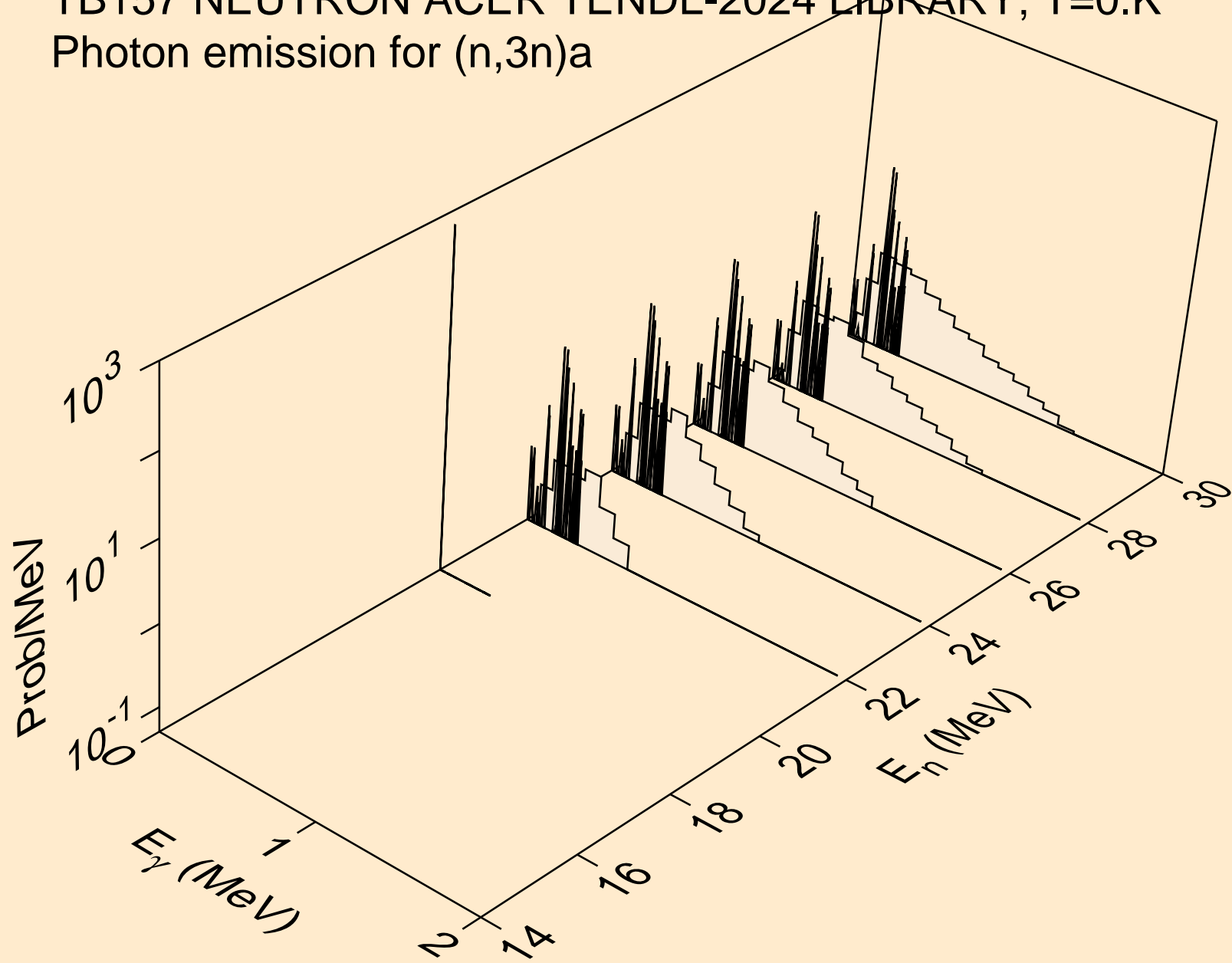
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Photon emission for (n,n\*)a



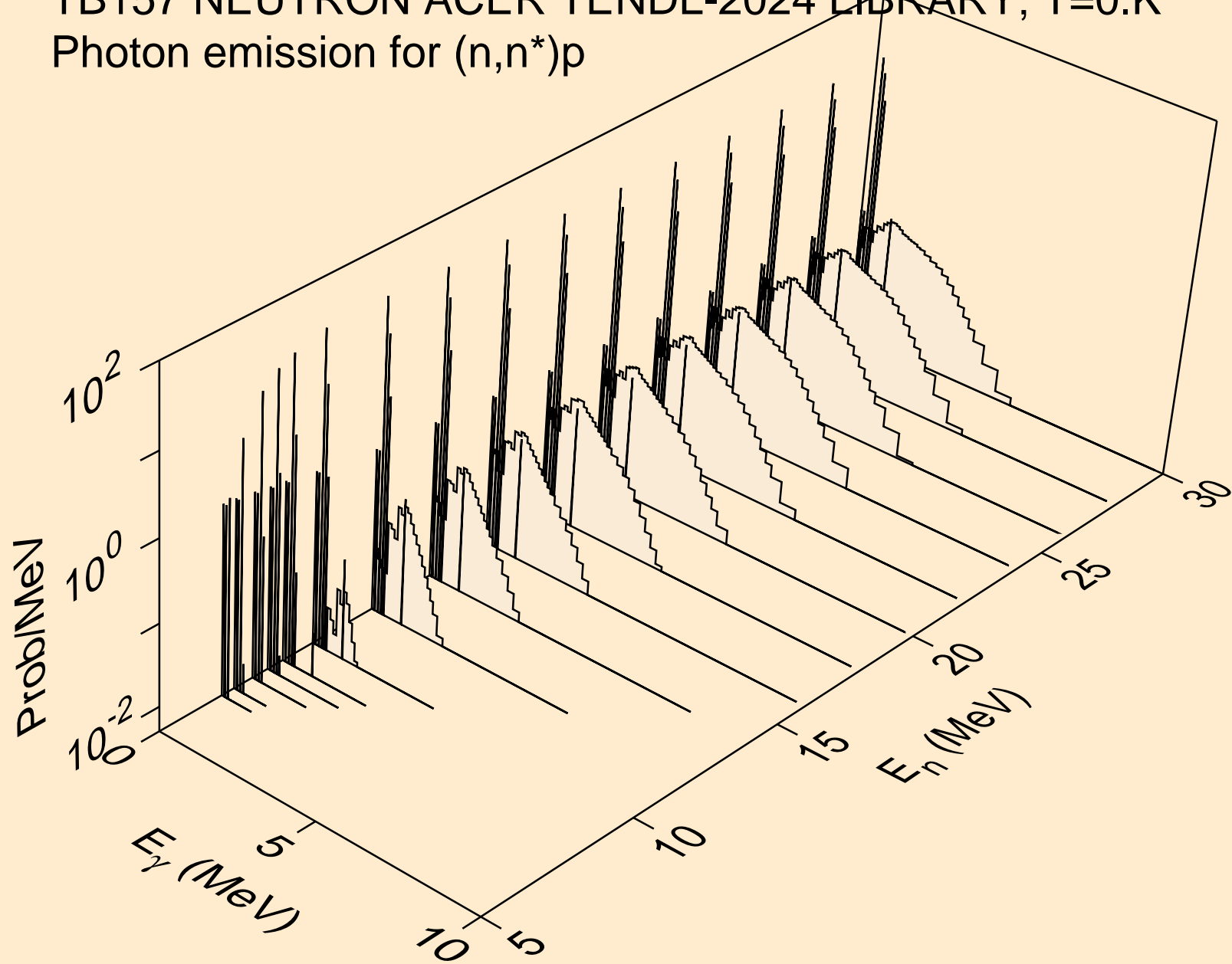
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a

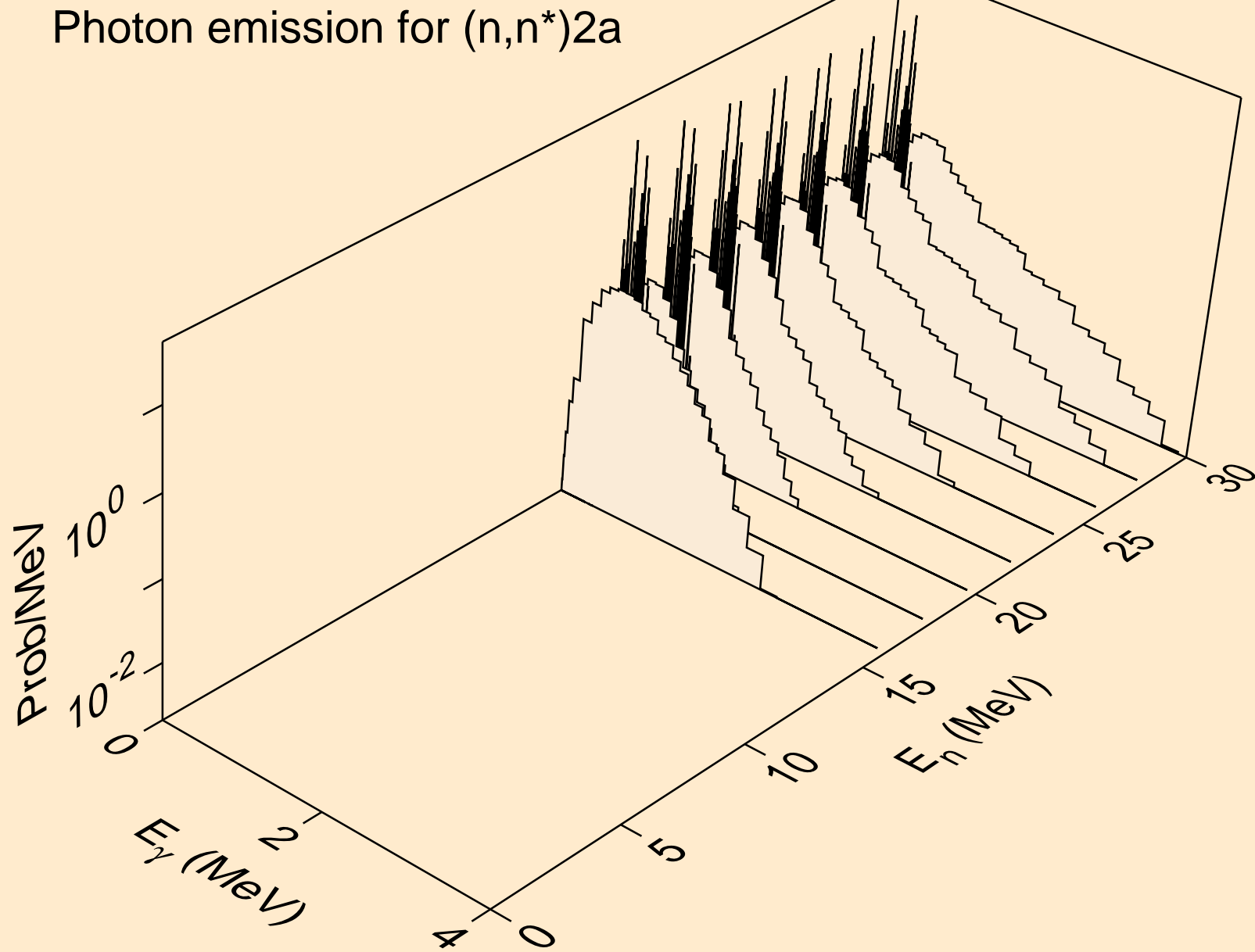


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Photon emission for (n,n\*)p

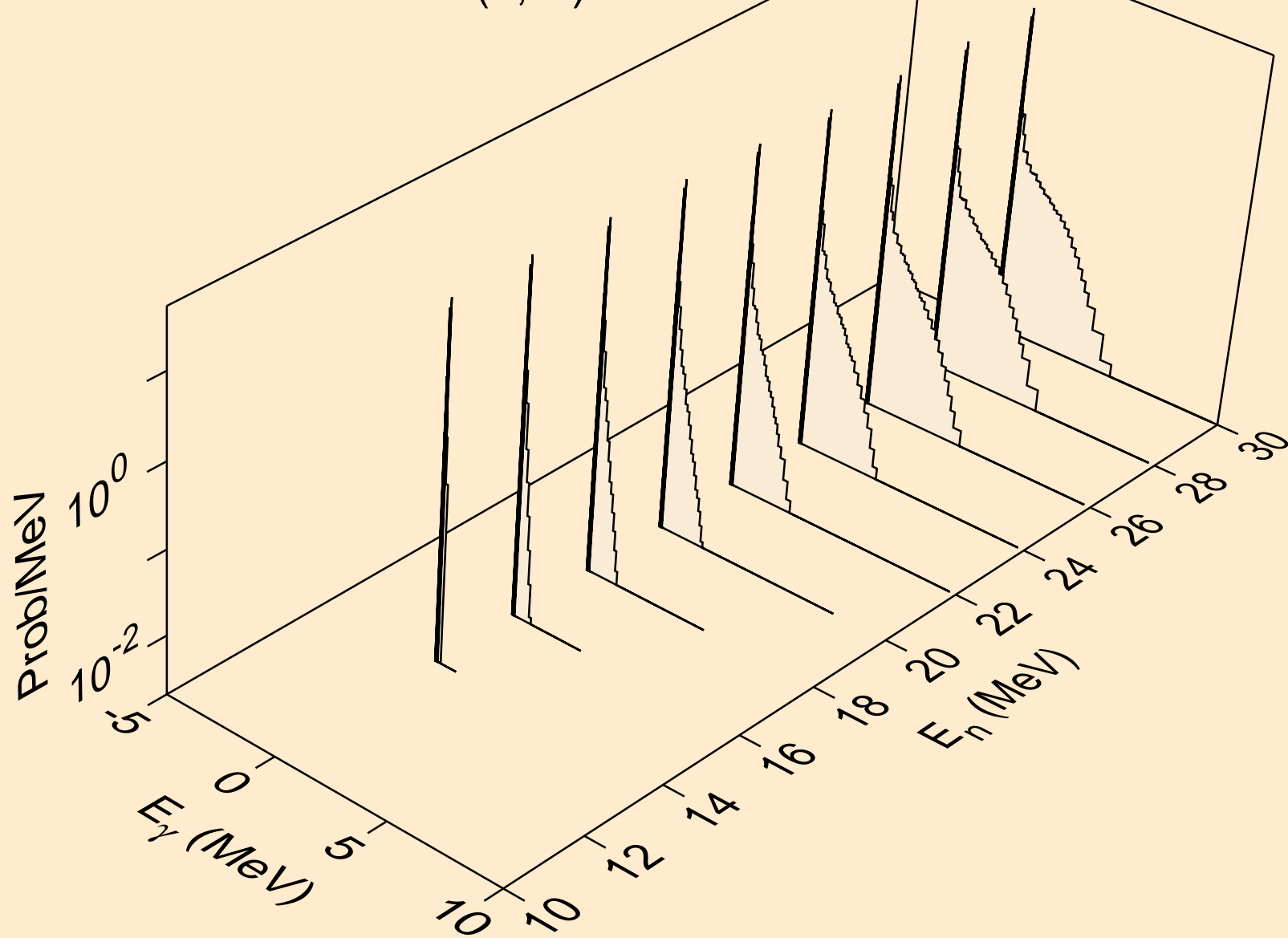




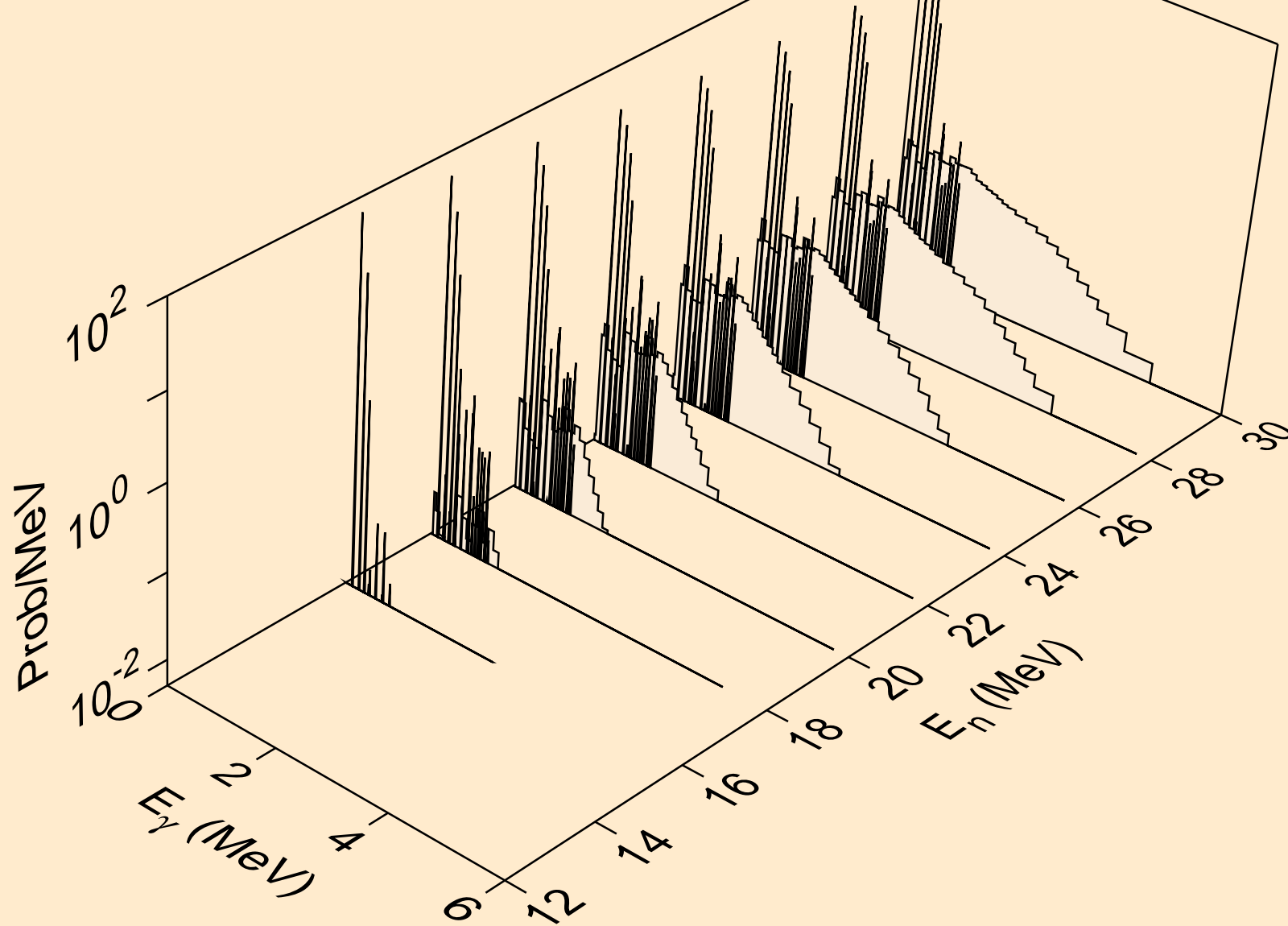
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Photon emission for (n,n\*)2a



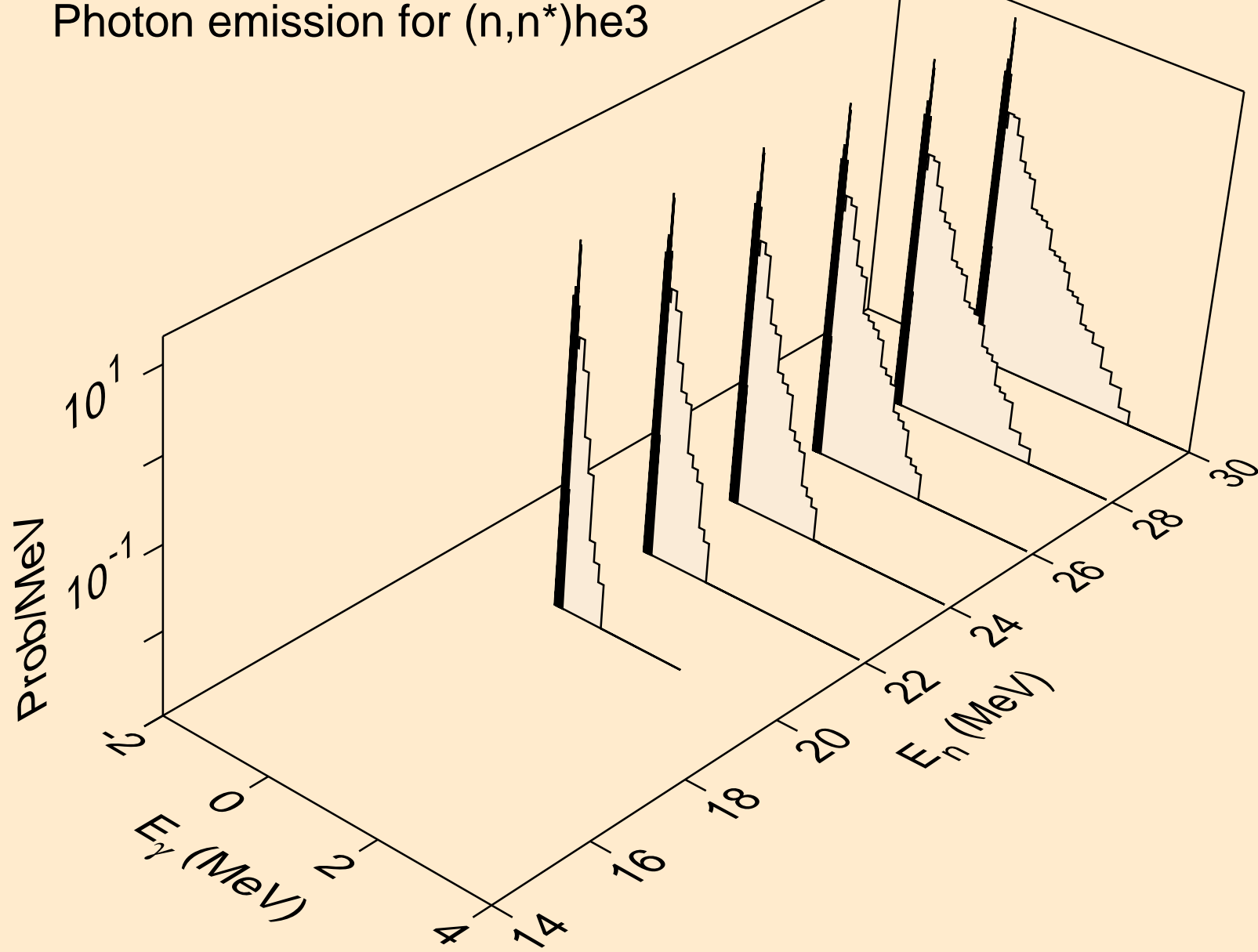
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Photon emission for (n,n\*)d



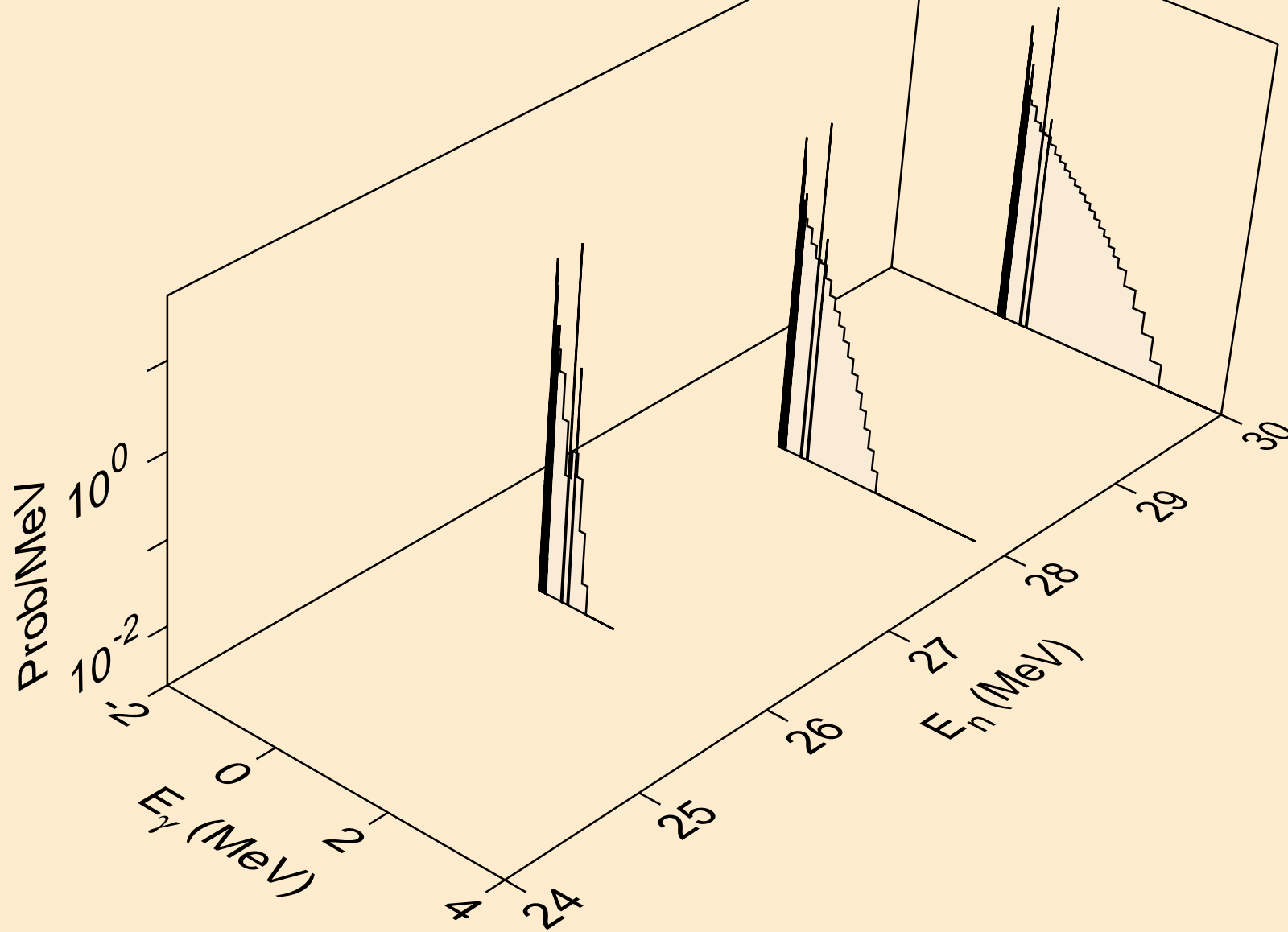
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Photon emission for (n,n\*)t



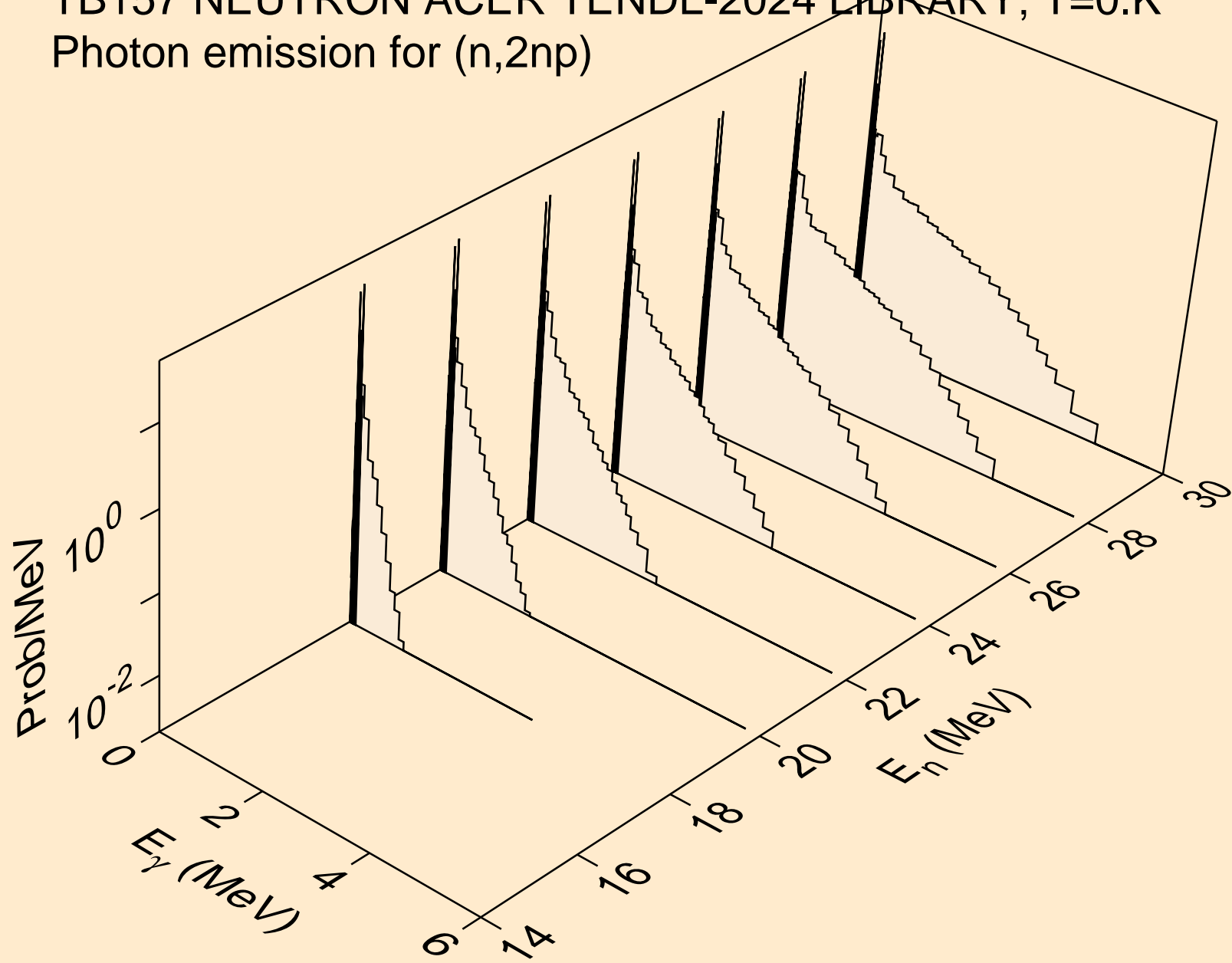
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



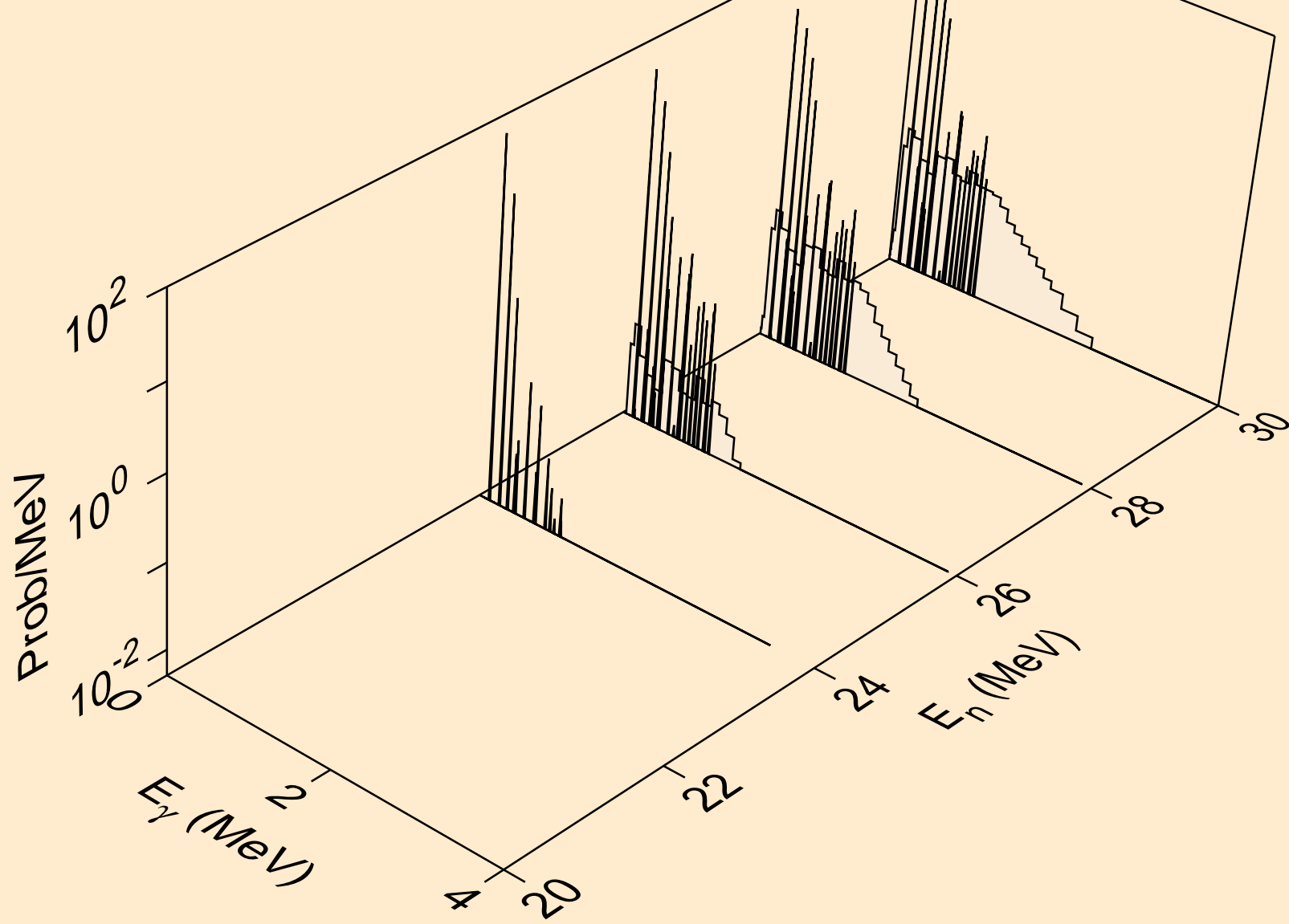
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



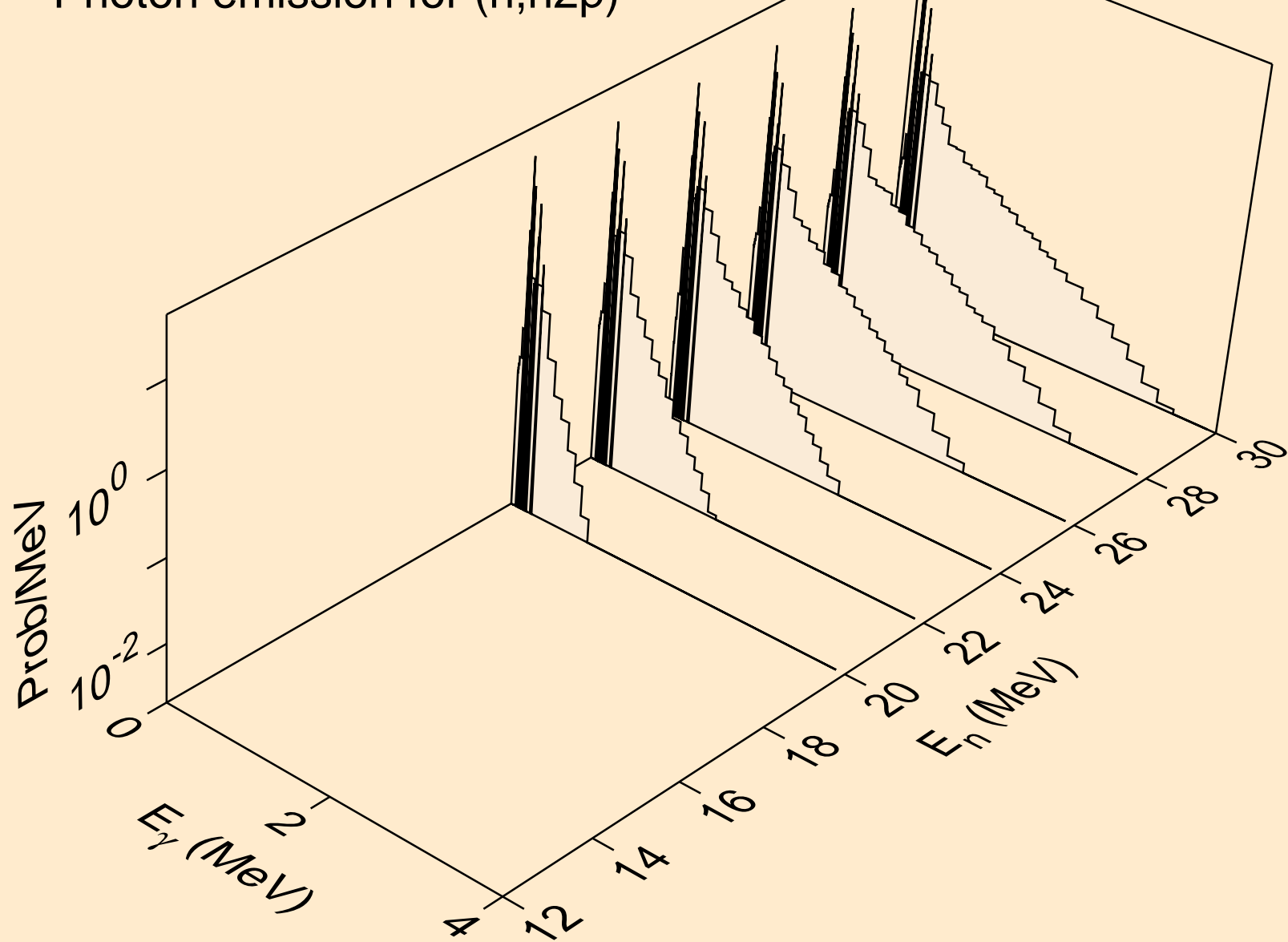
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)

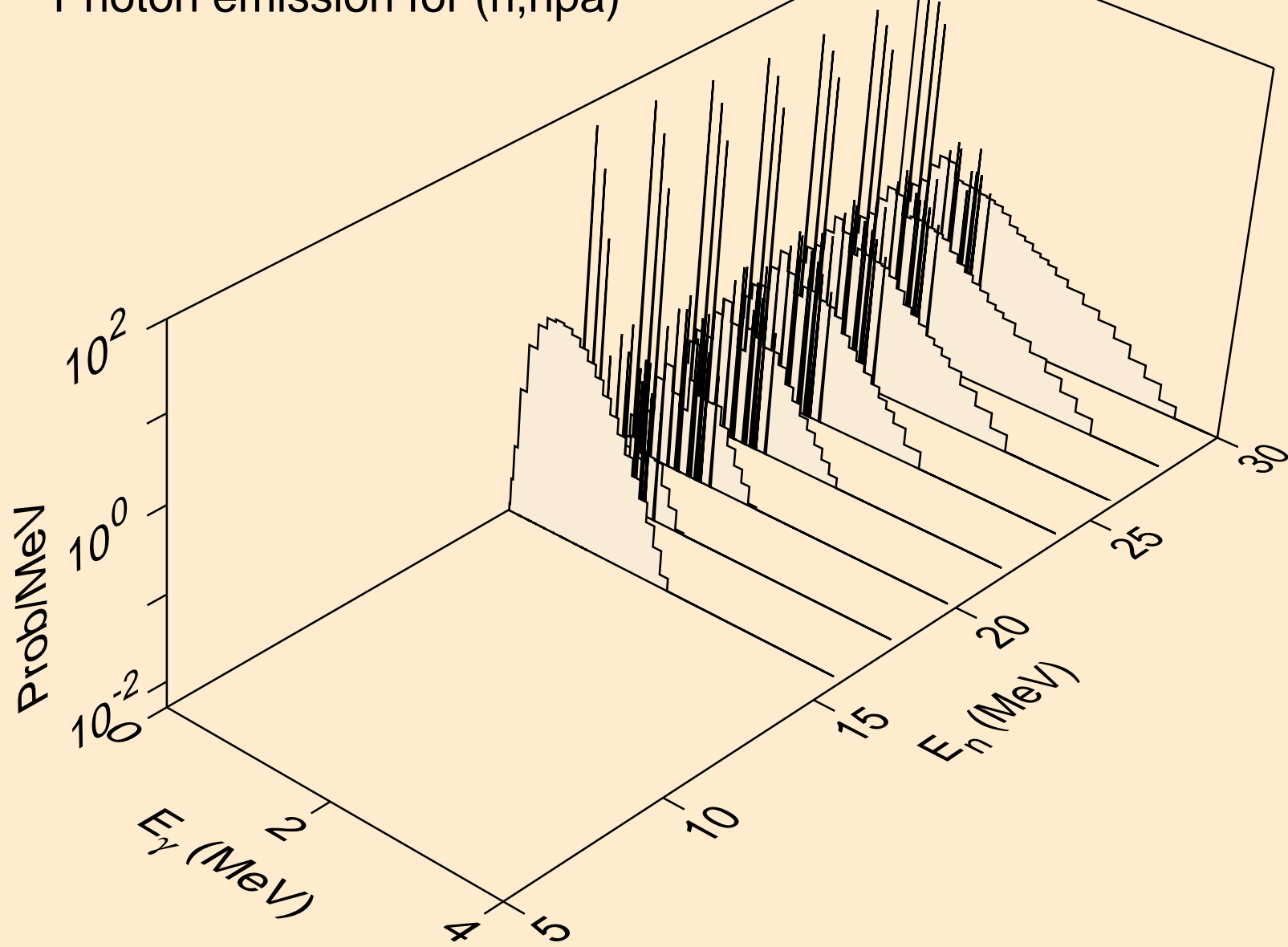


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Photon emission for (n,n2p)

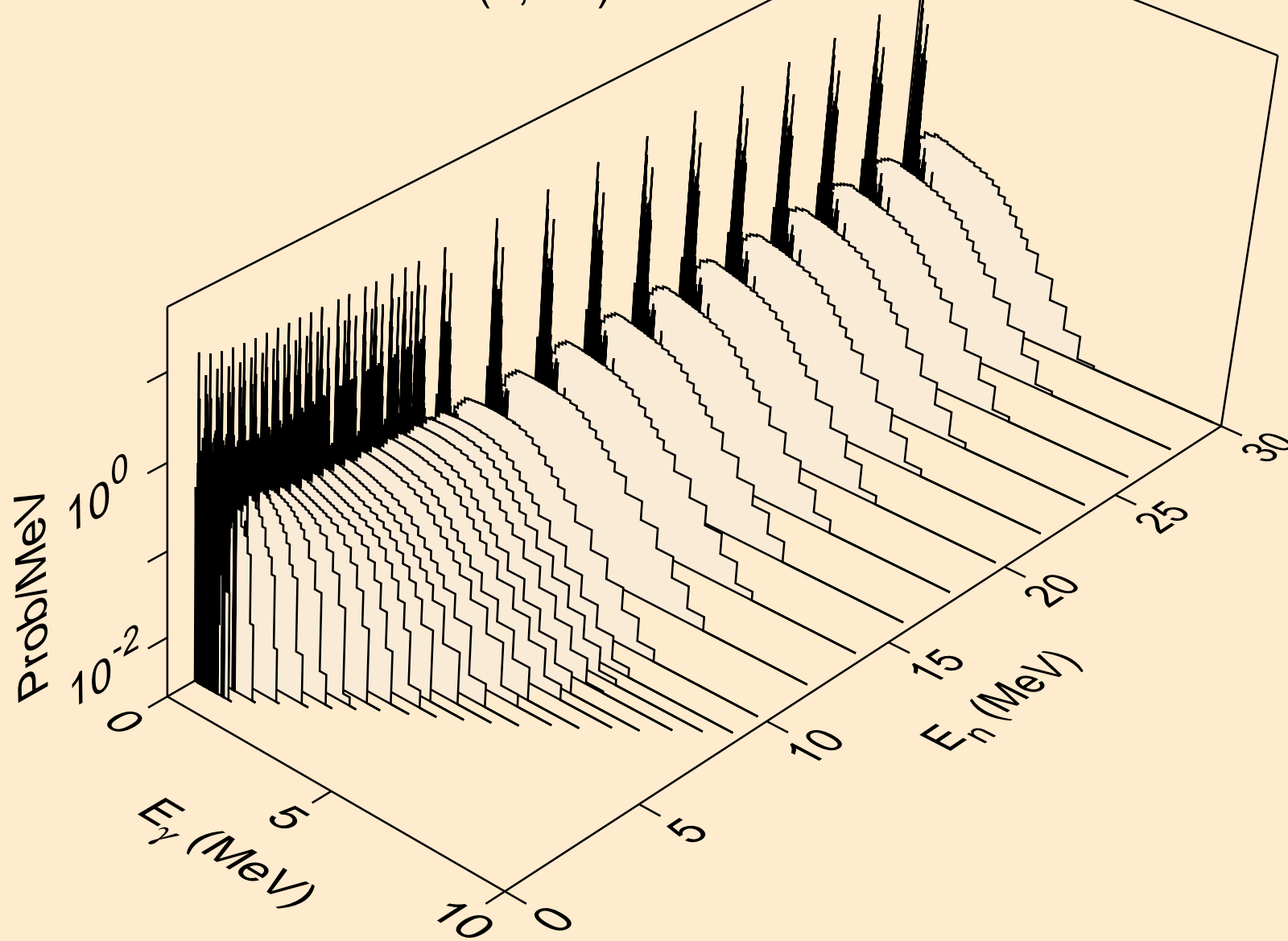




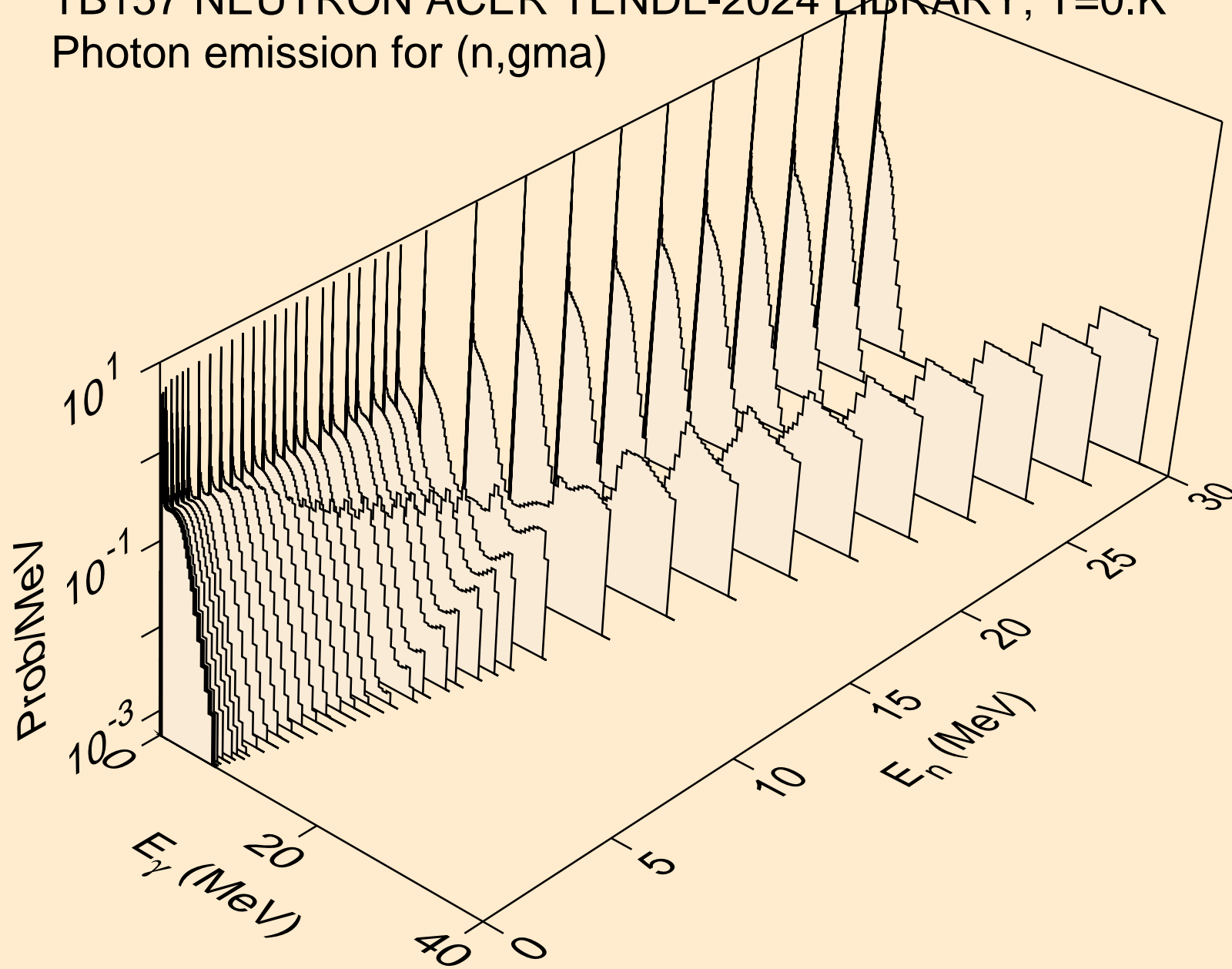
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Photon emission for (n,npa)



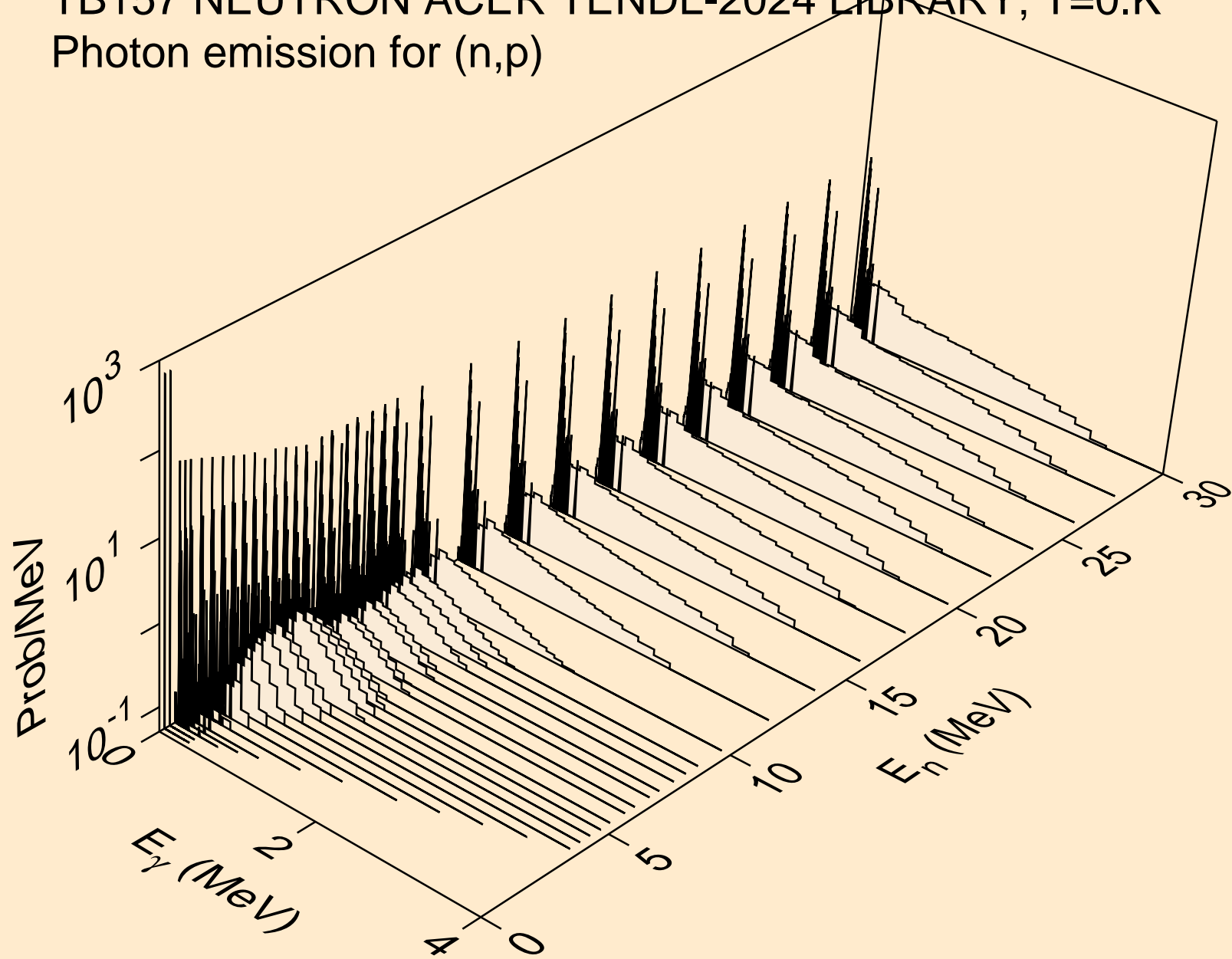
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Photon emission for (n,n\*c)



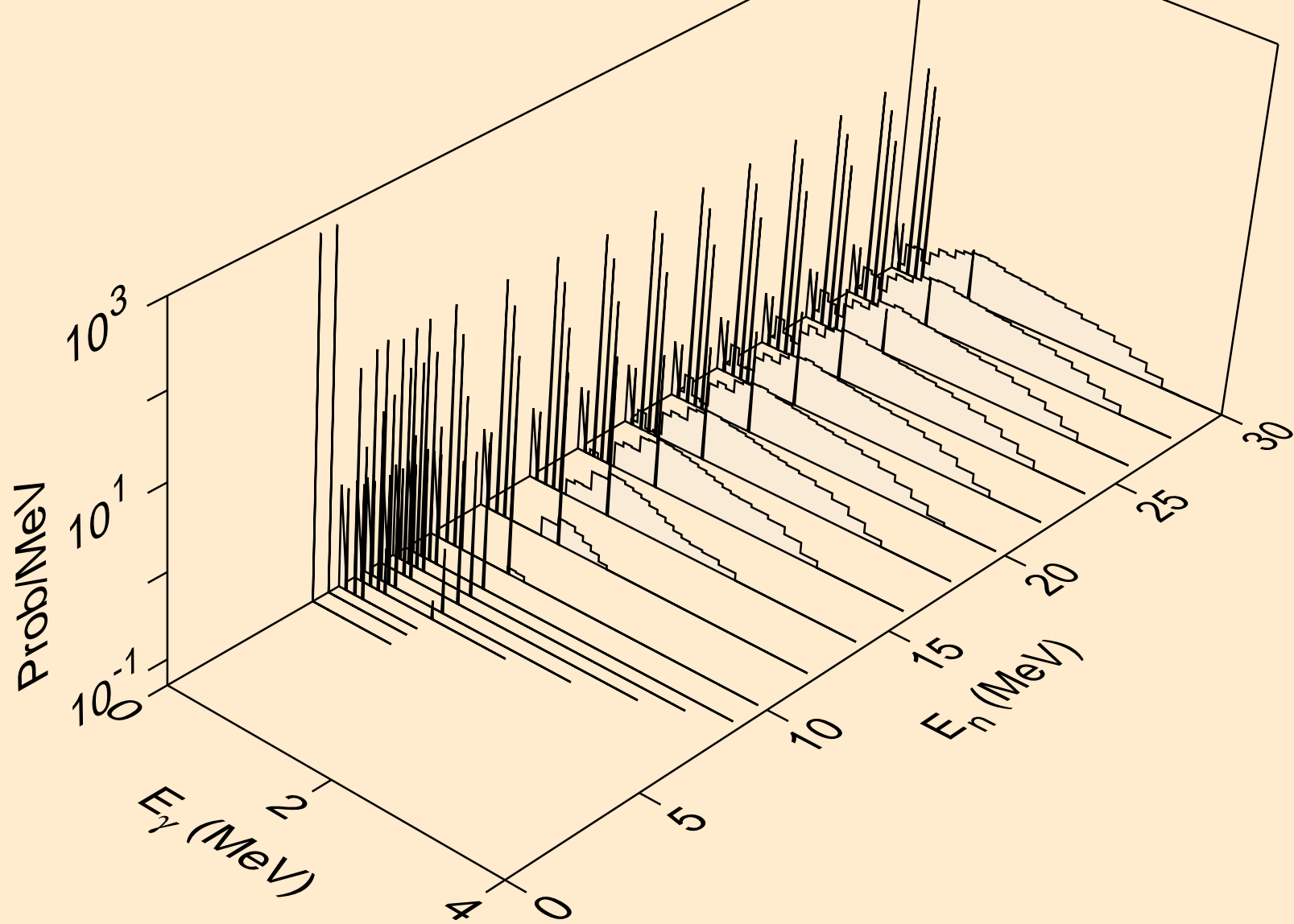
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Photon emission for (n,gma)



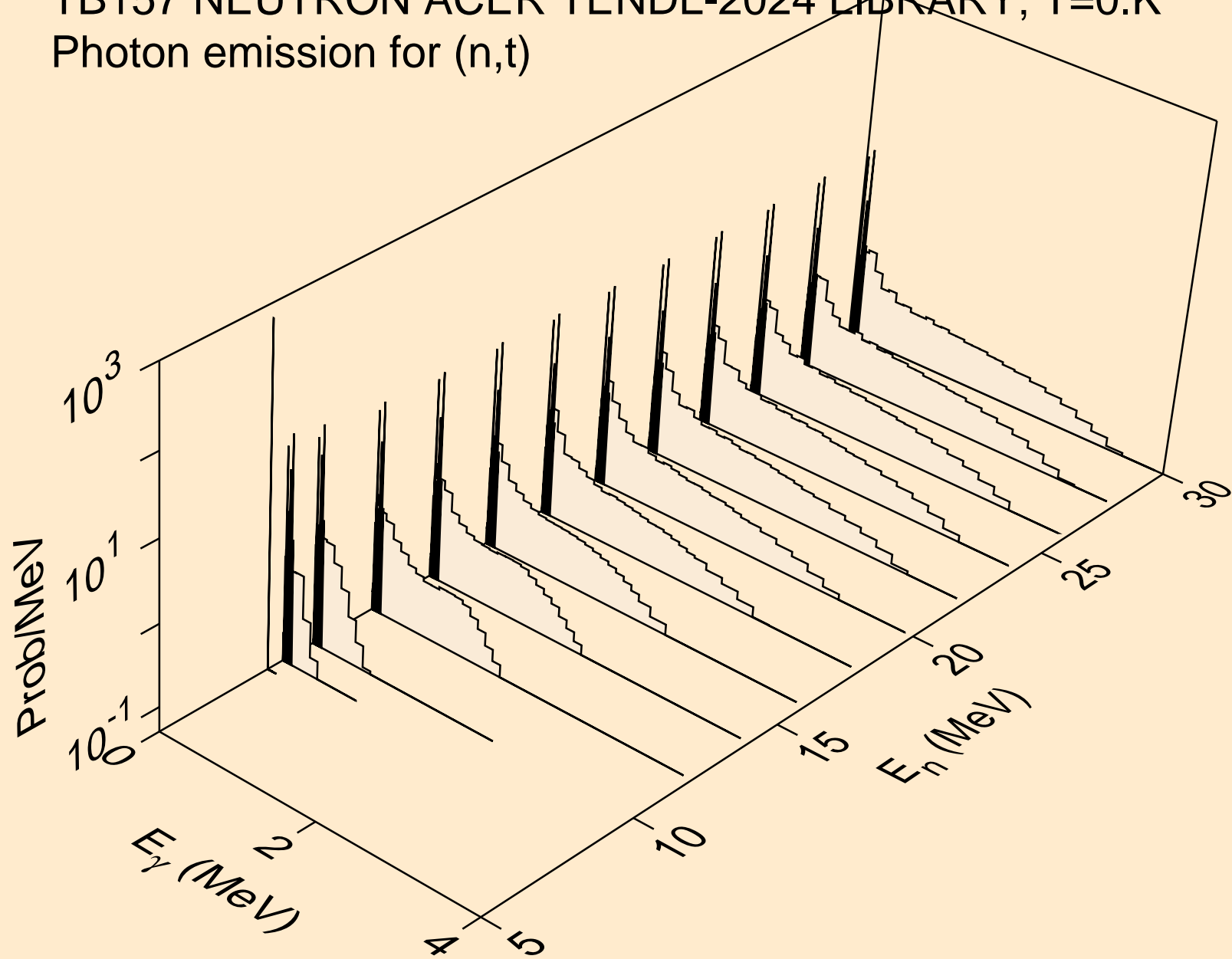
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Photon emission for (n,p)



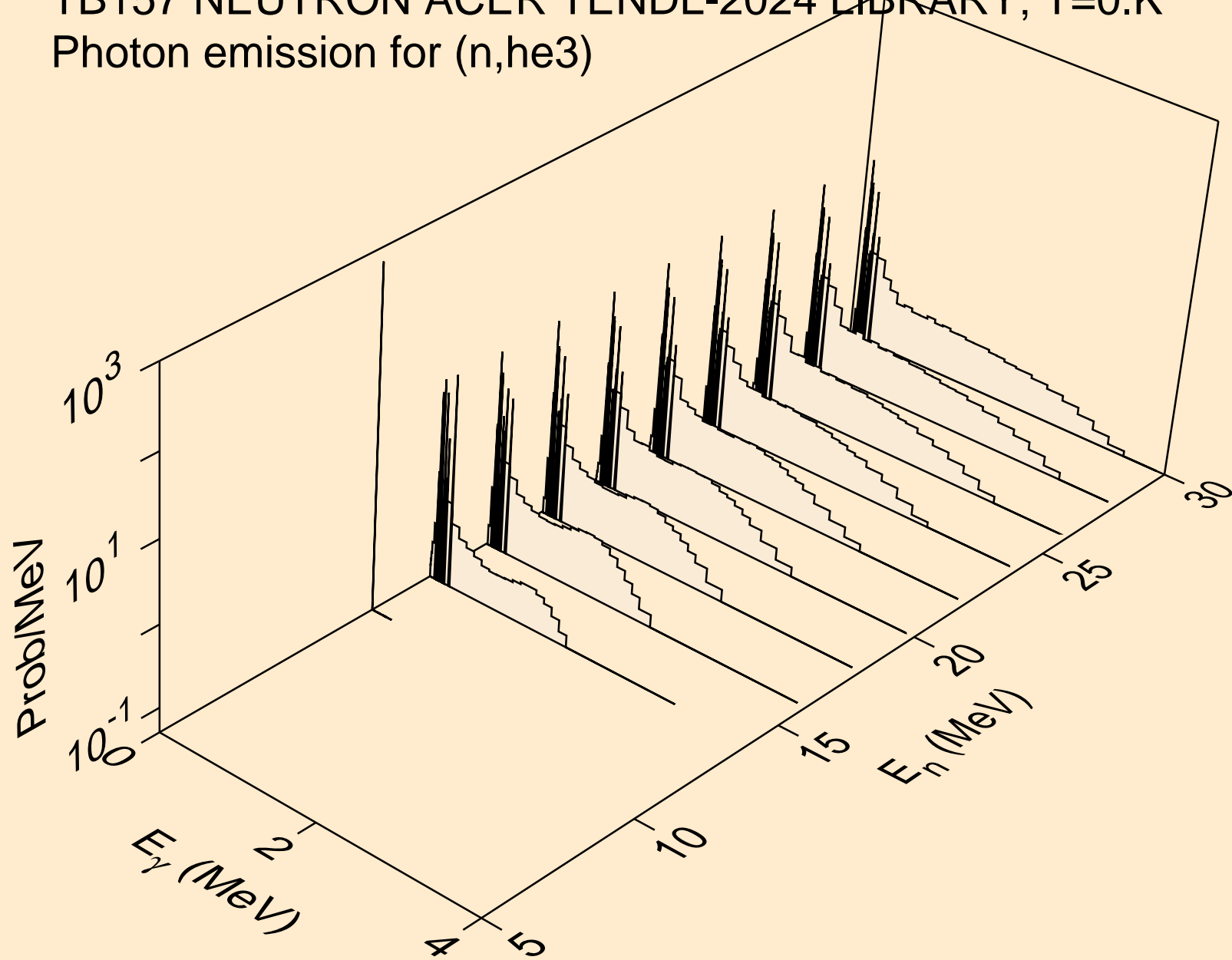
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Photon emission for (n,d)



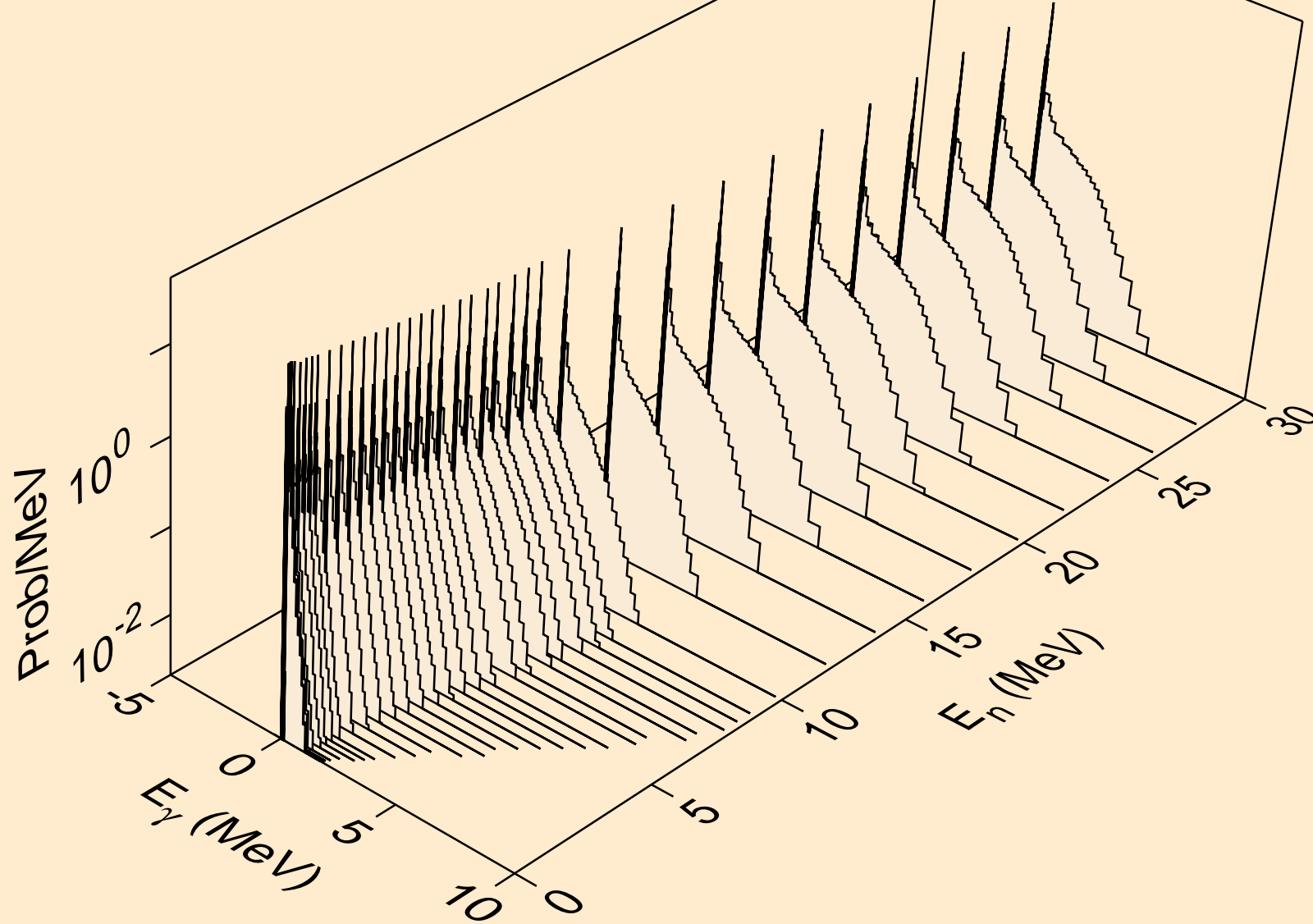
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)

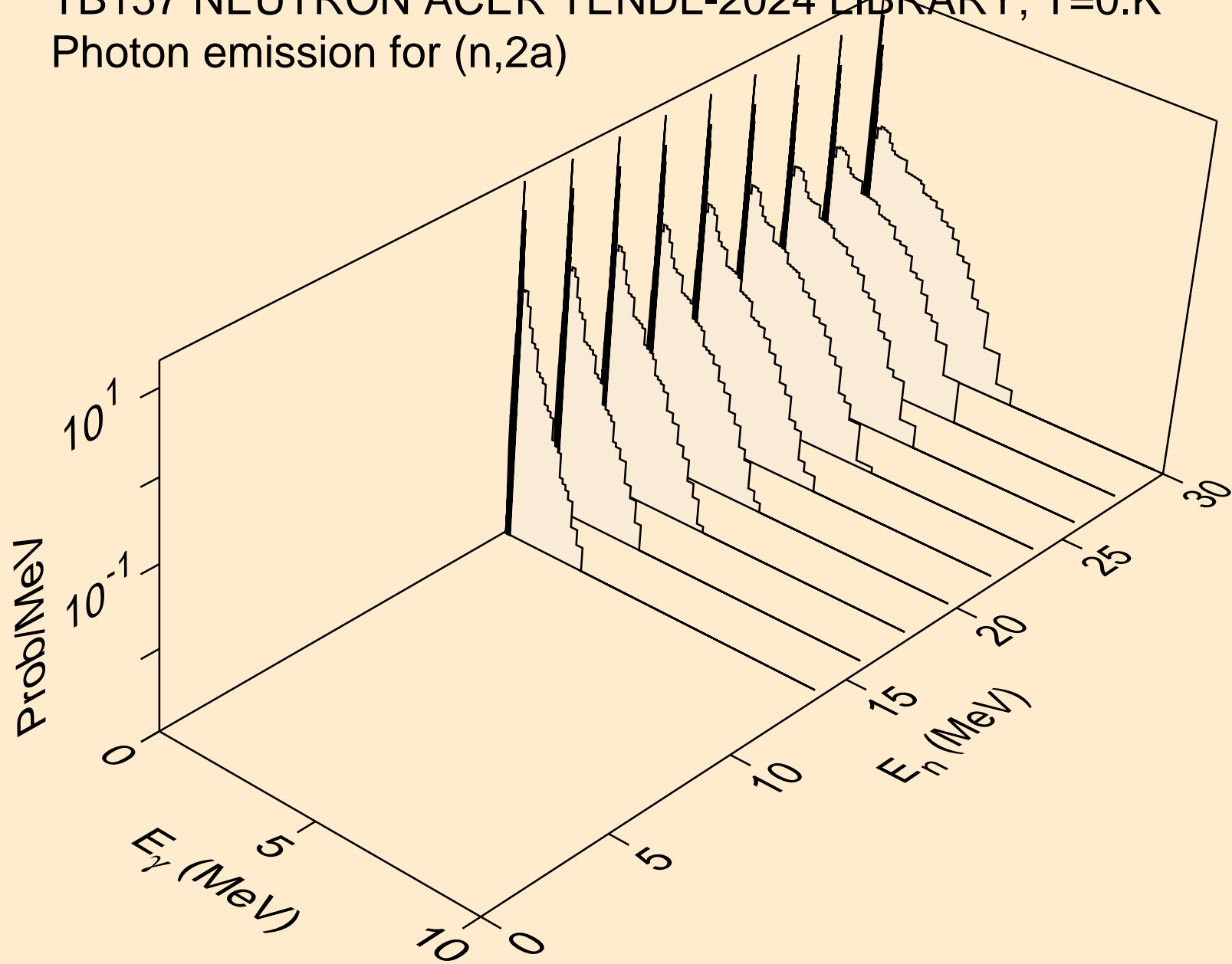


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Photon emission for (n,a)

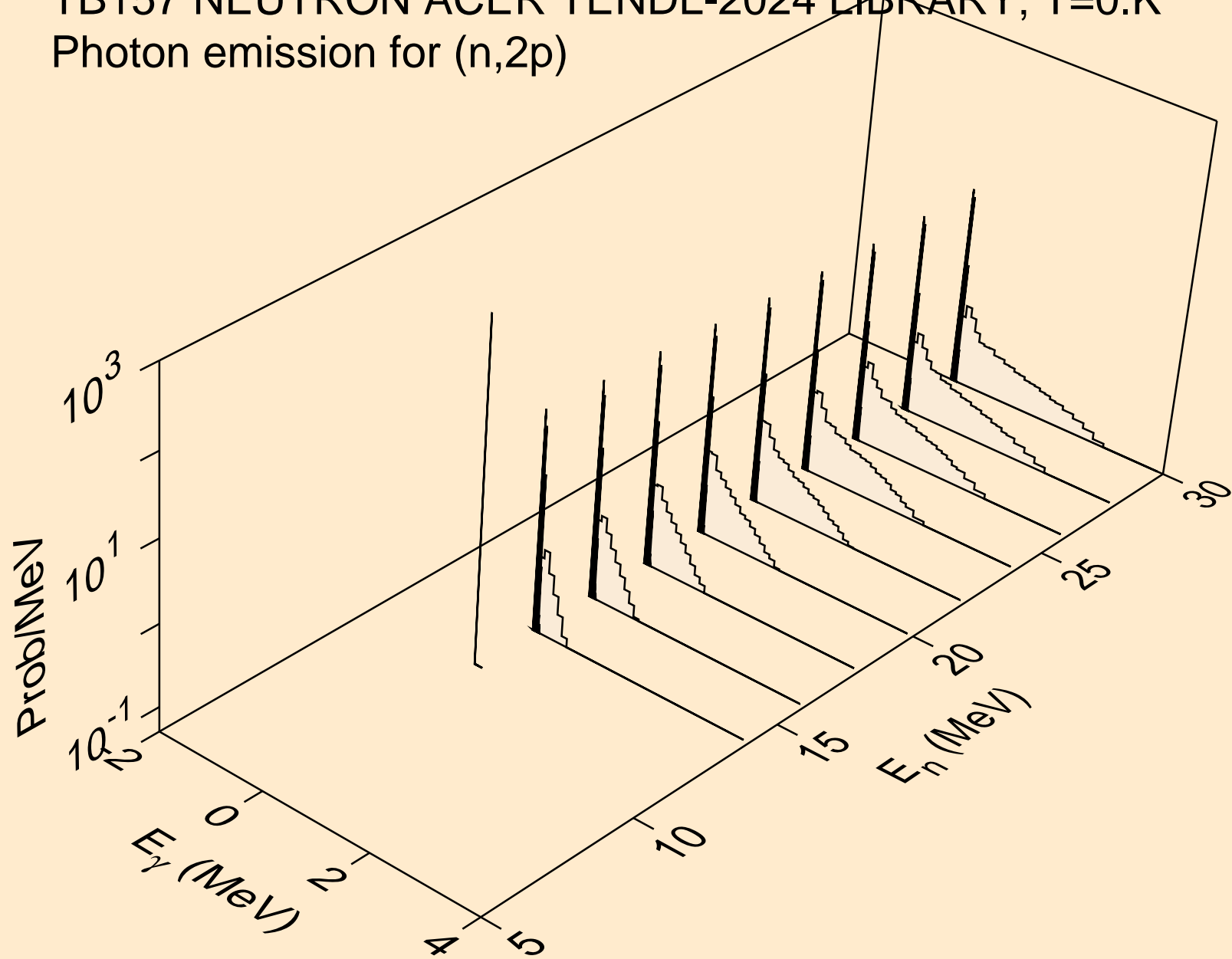




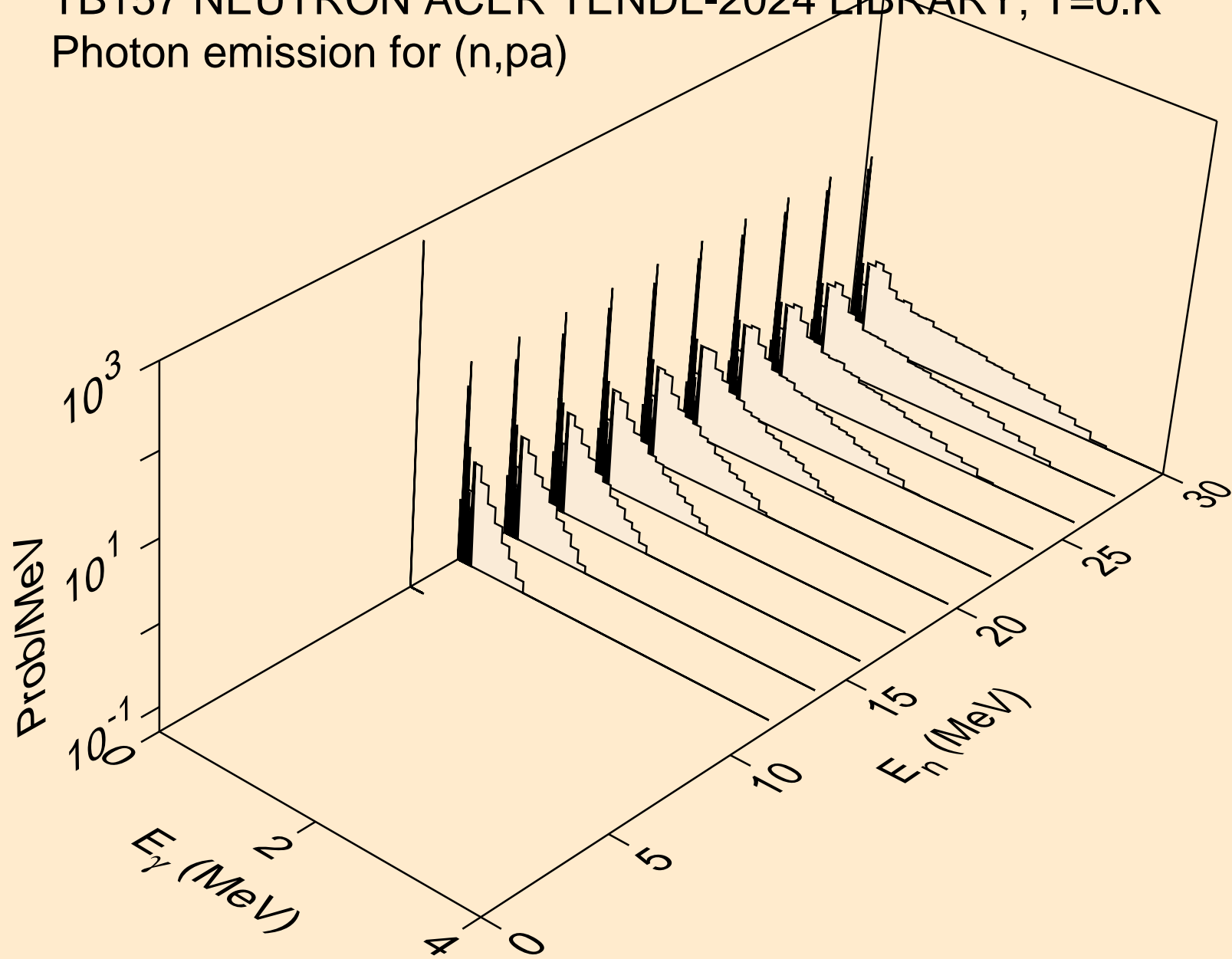
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Photon emission for (n,2a)



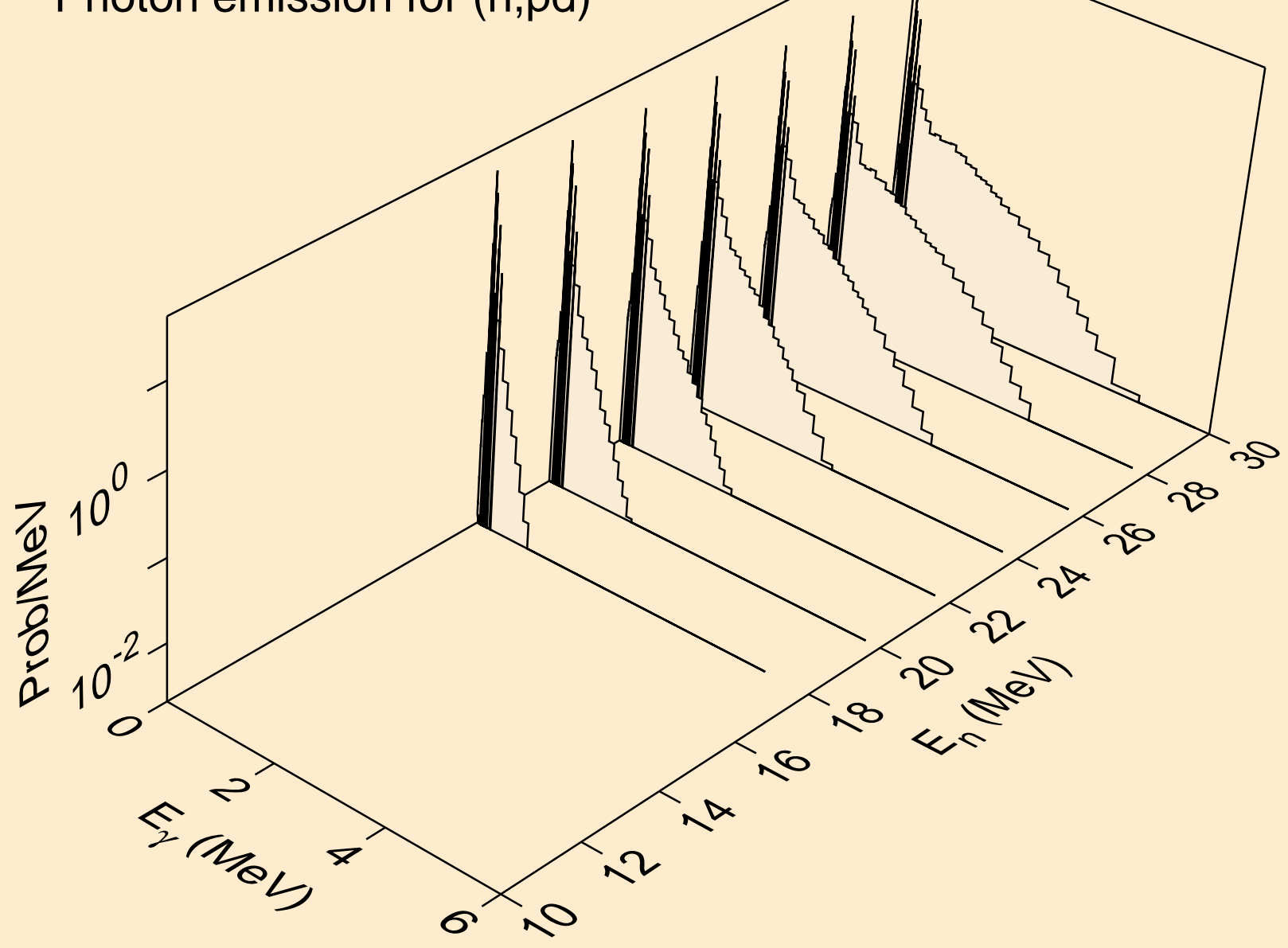
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Photon emission for (n,2p)



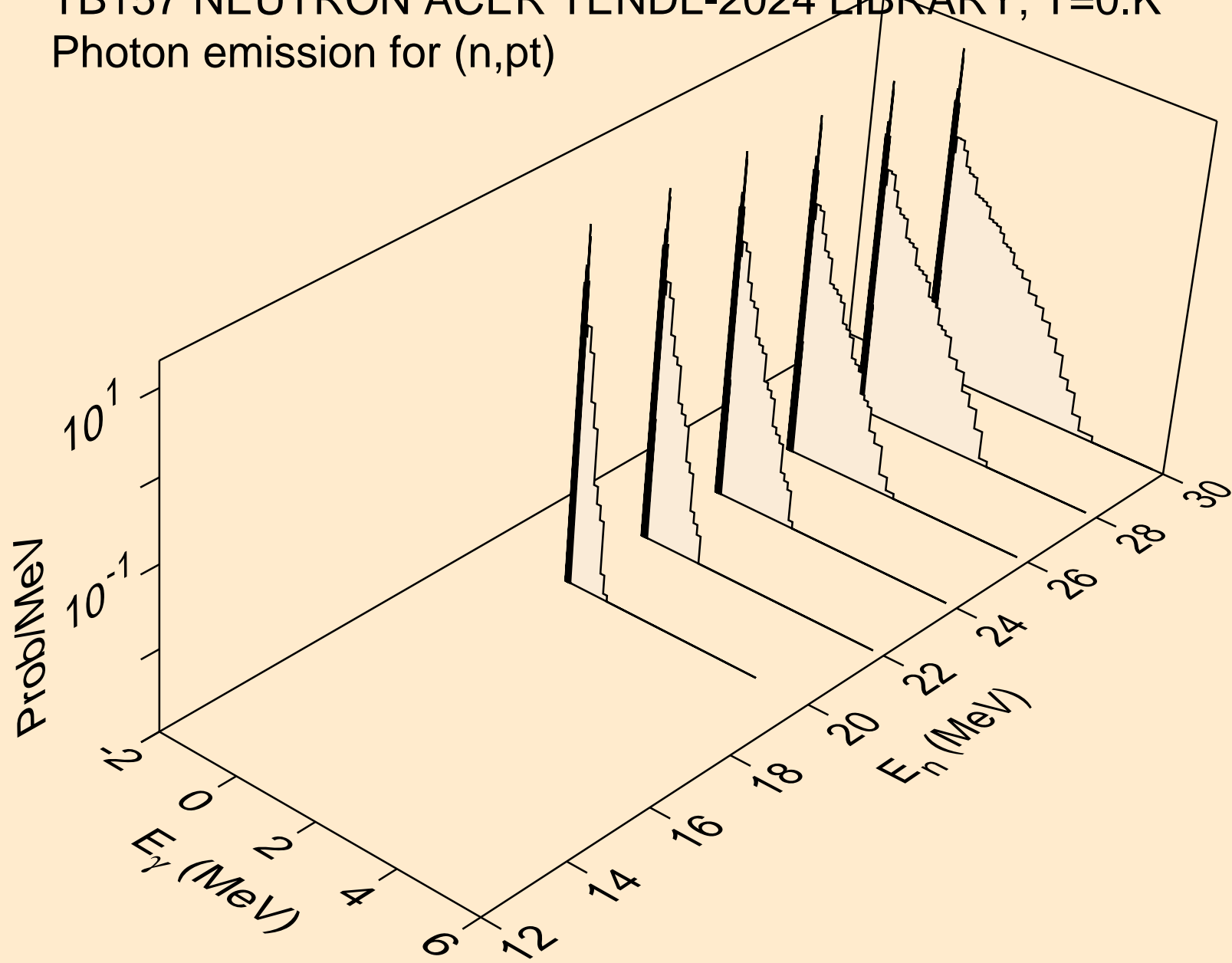
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Photon emission for (n,p $\alpha$ )



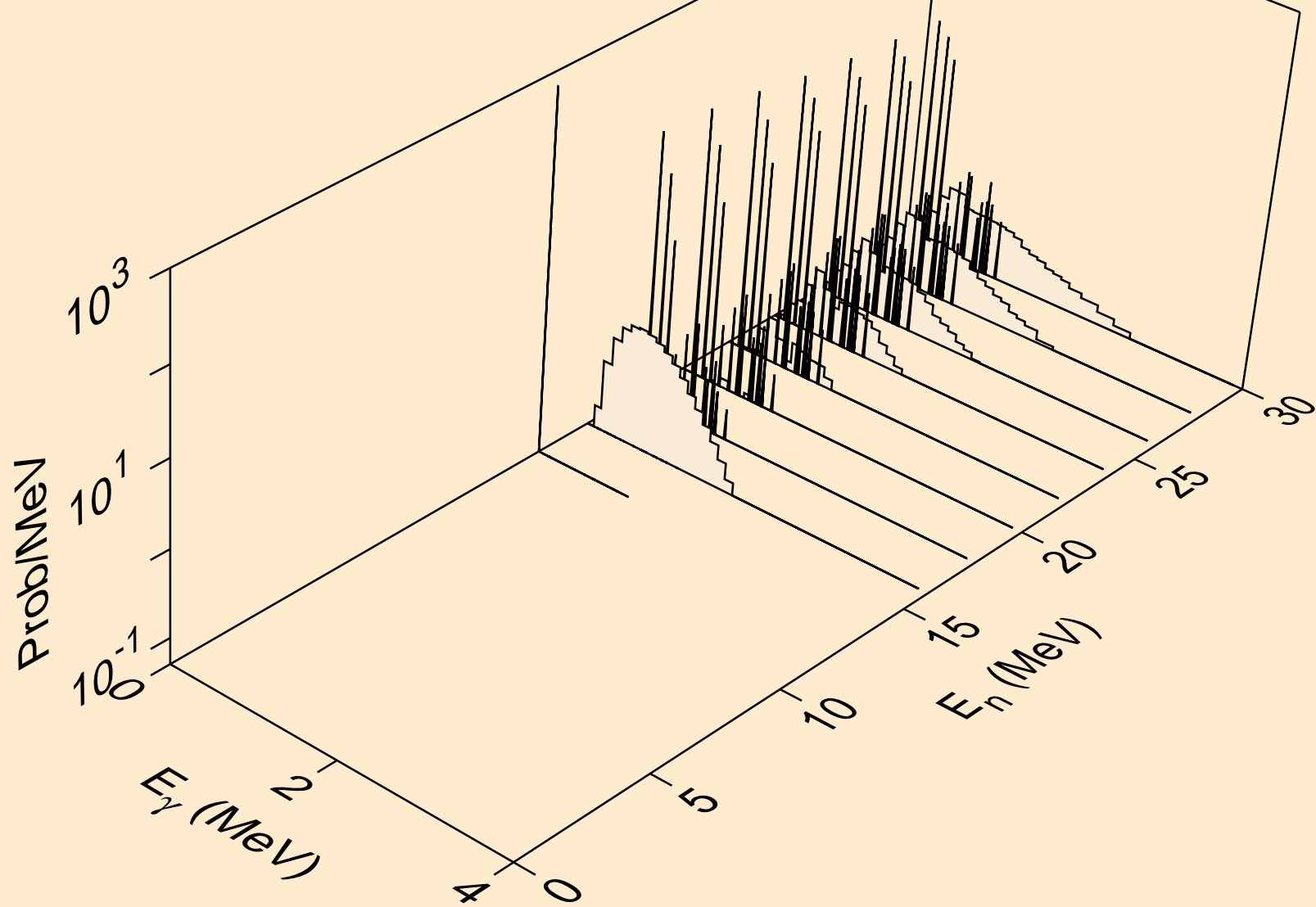
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Photon emission for (n,pd)



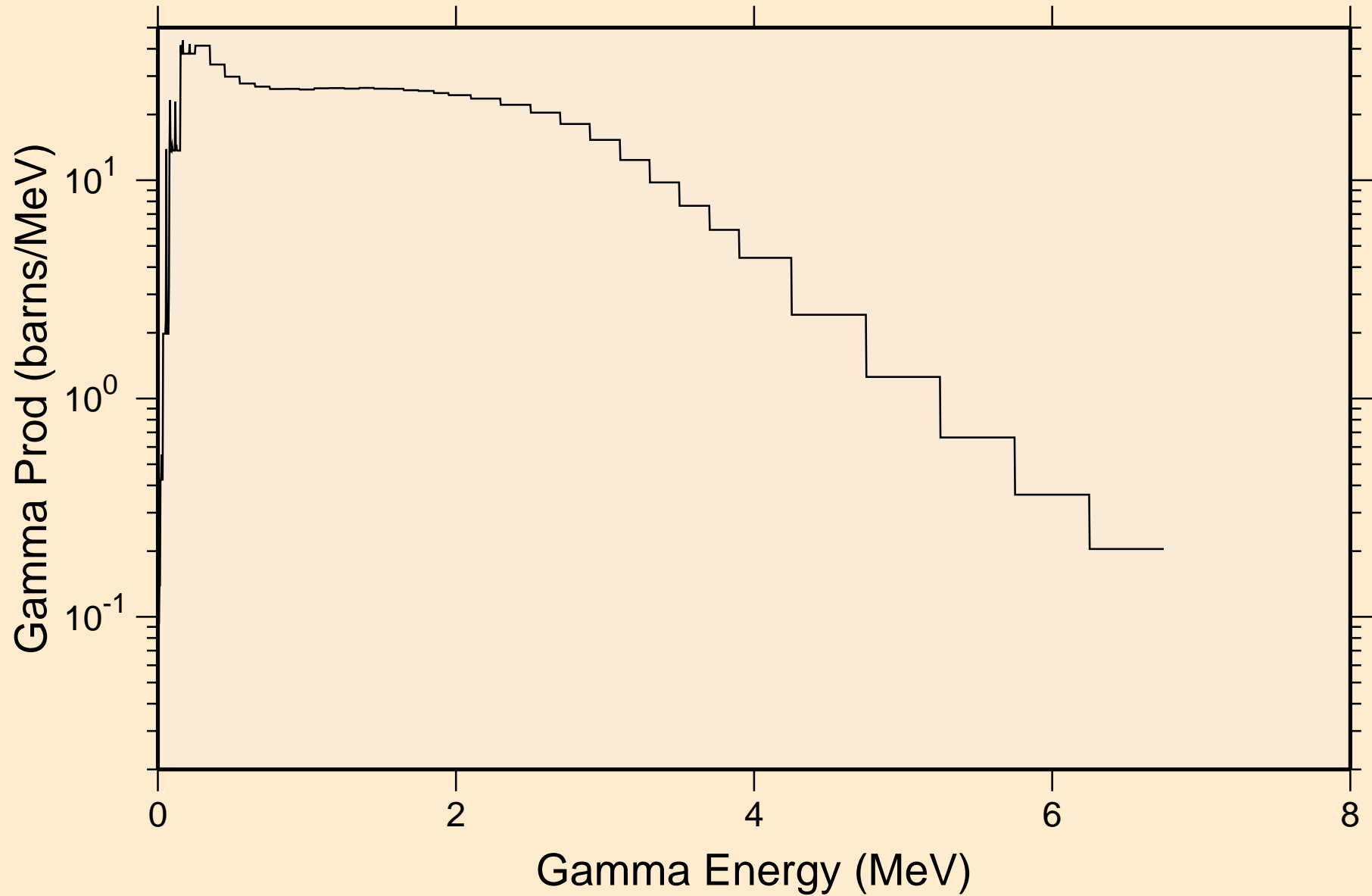
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Photon emission for (n,pt)



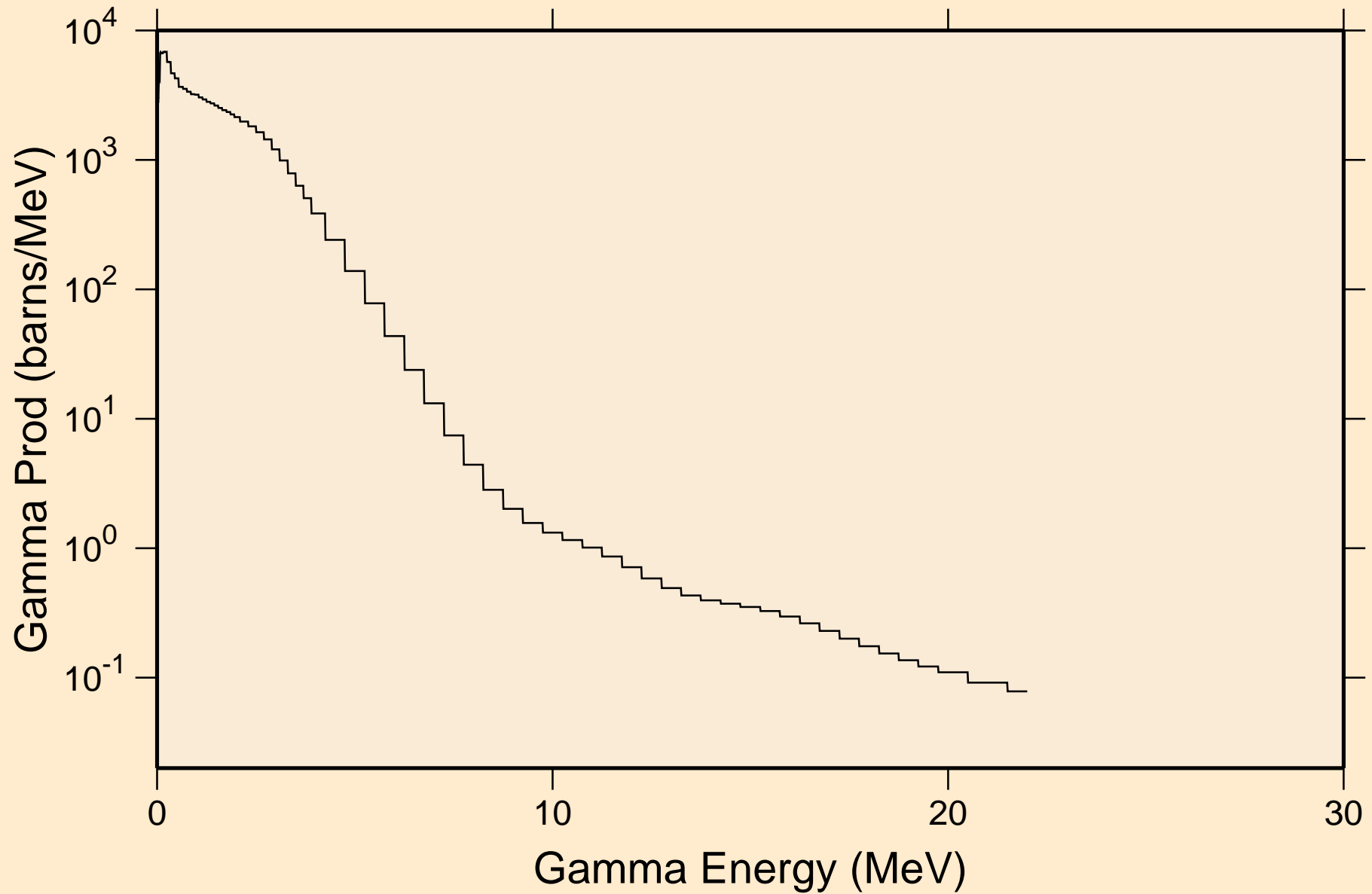
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum



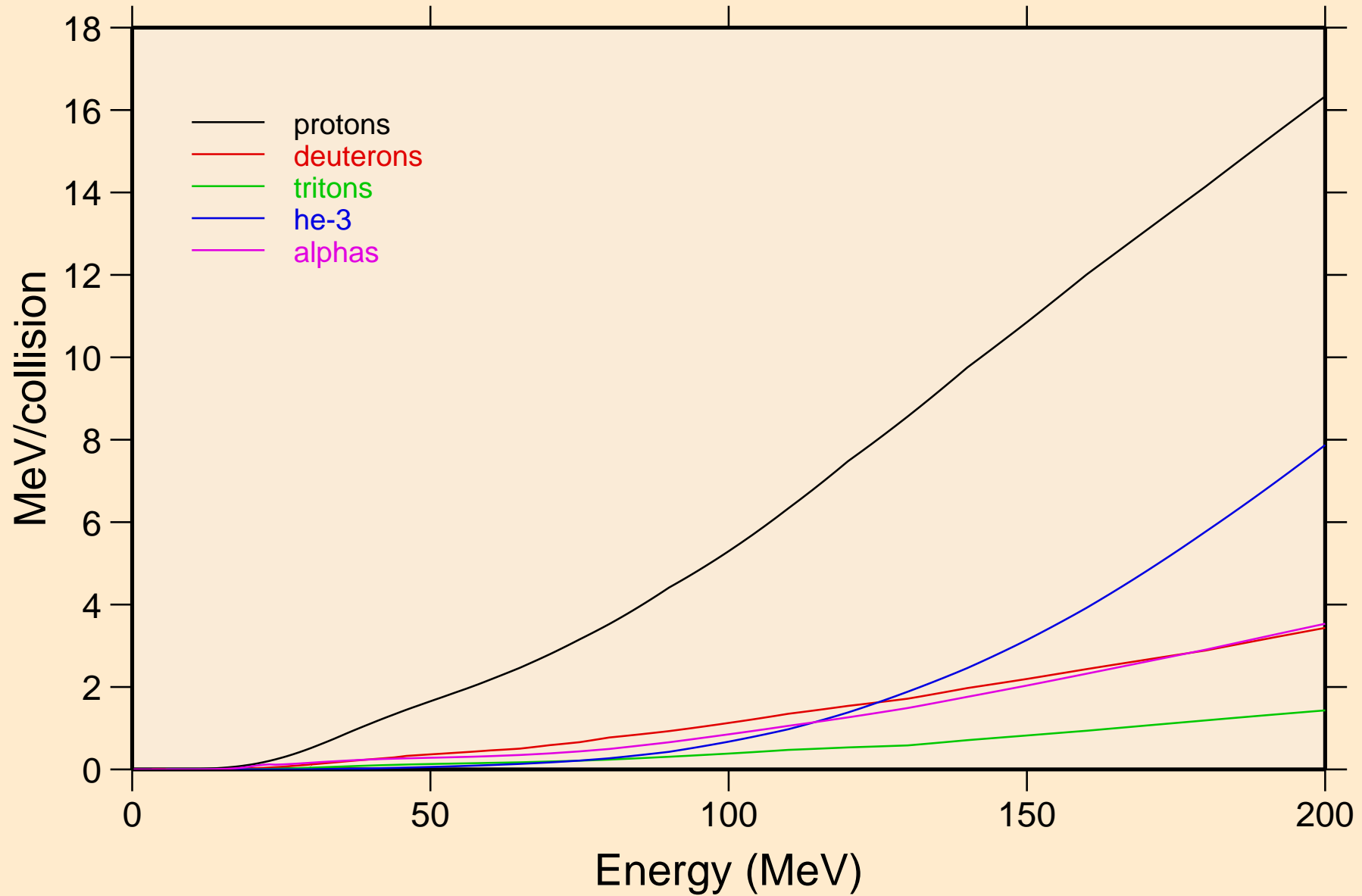
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14 MeV photon spectrum



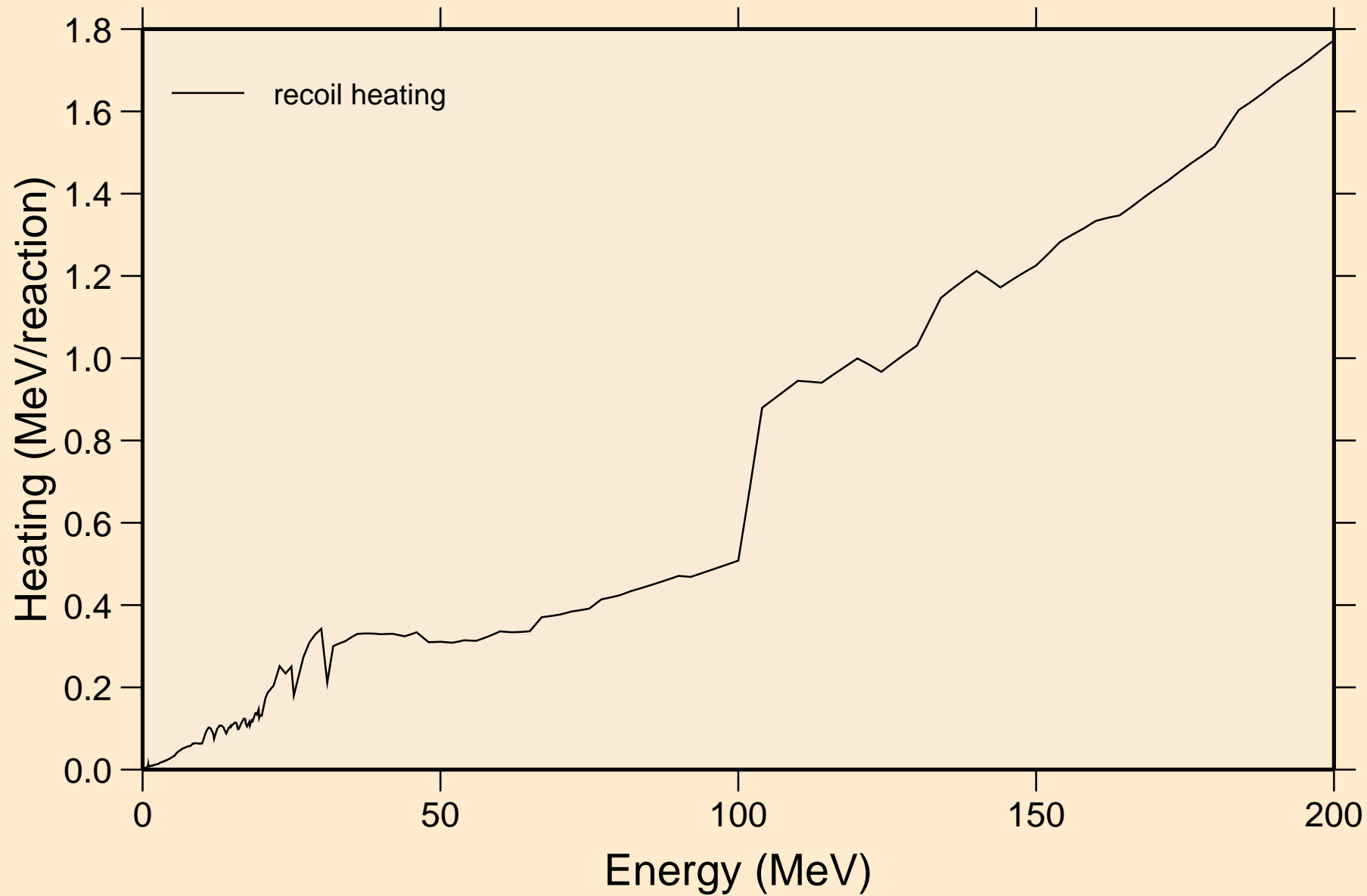


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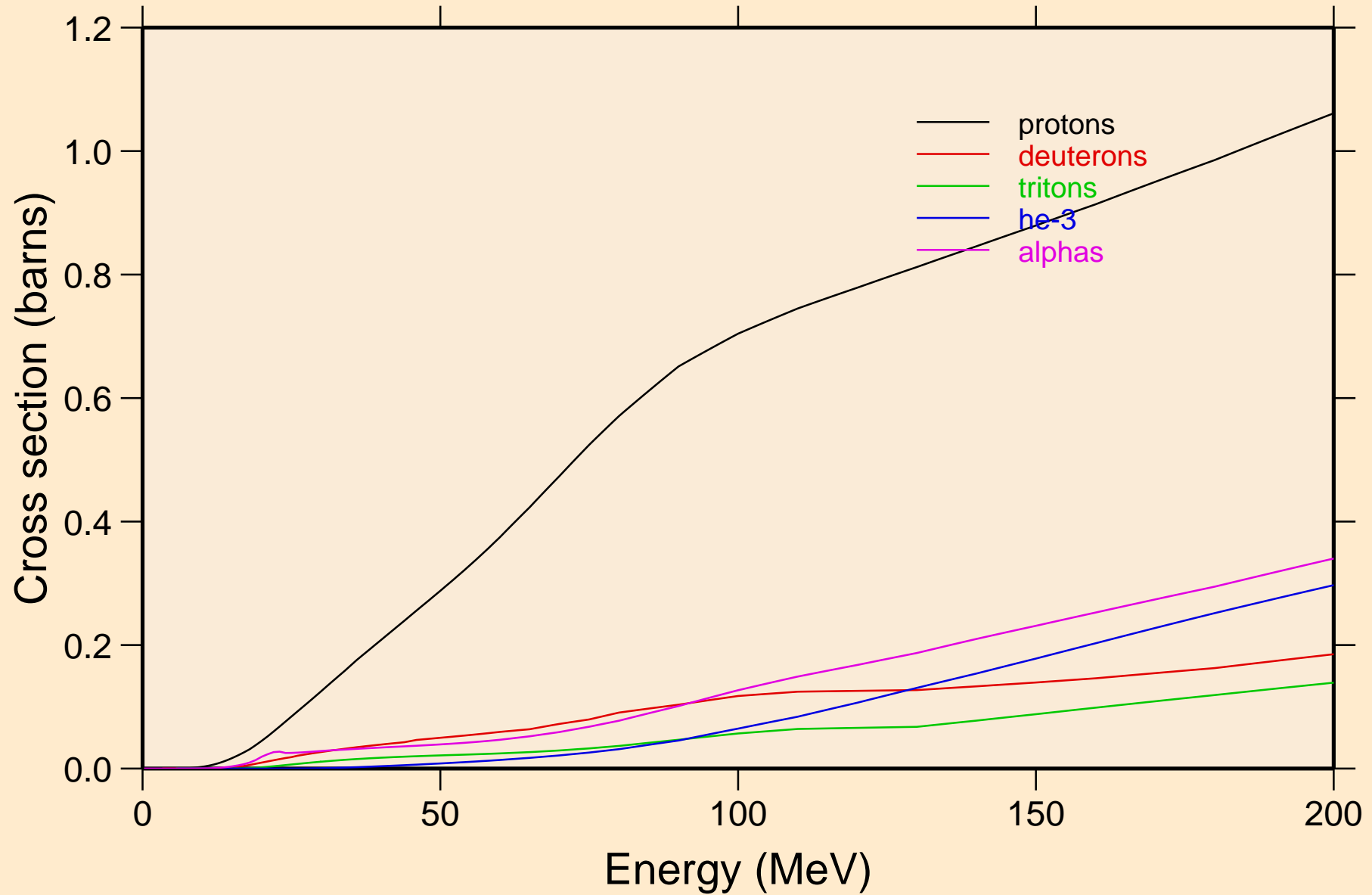
## Particle heating contributions



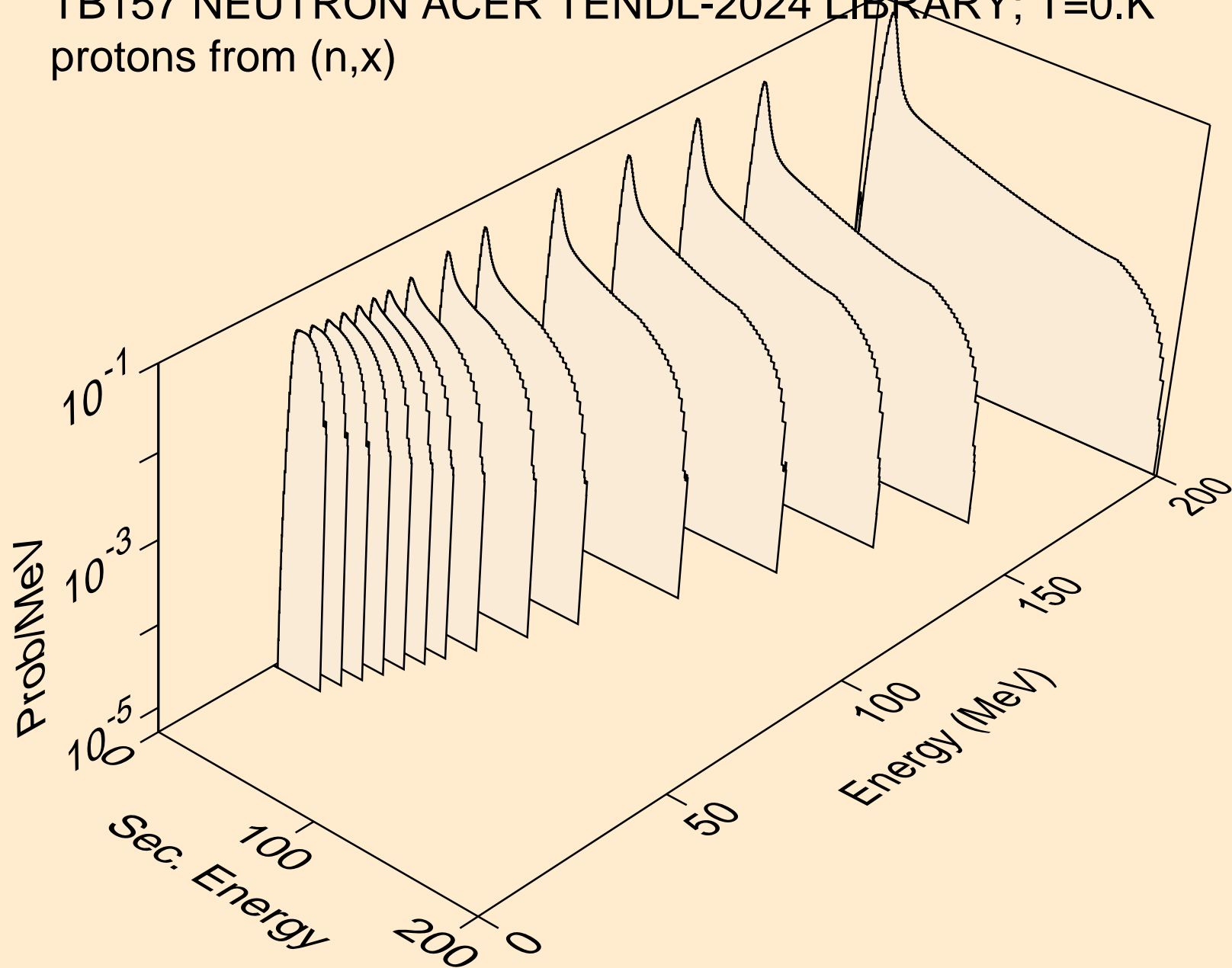
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Recoil Heating



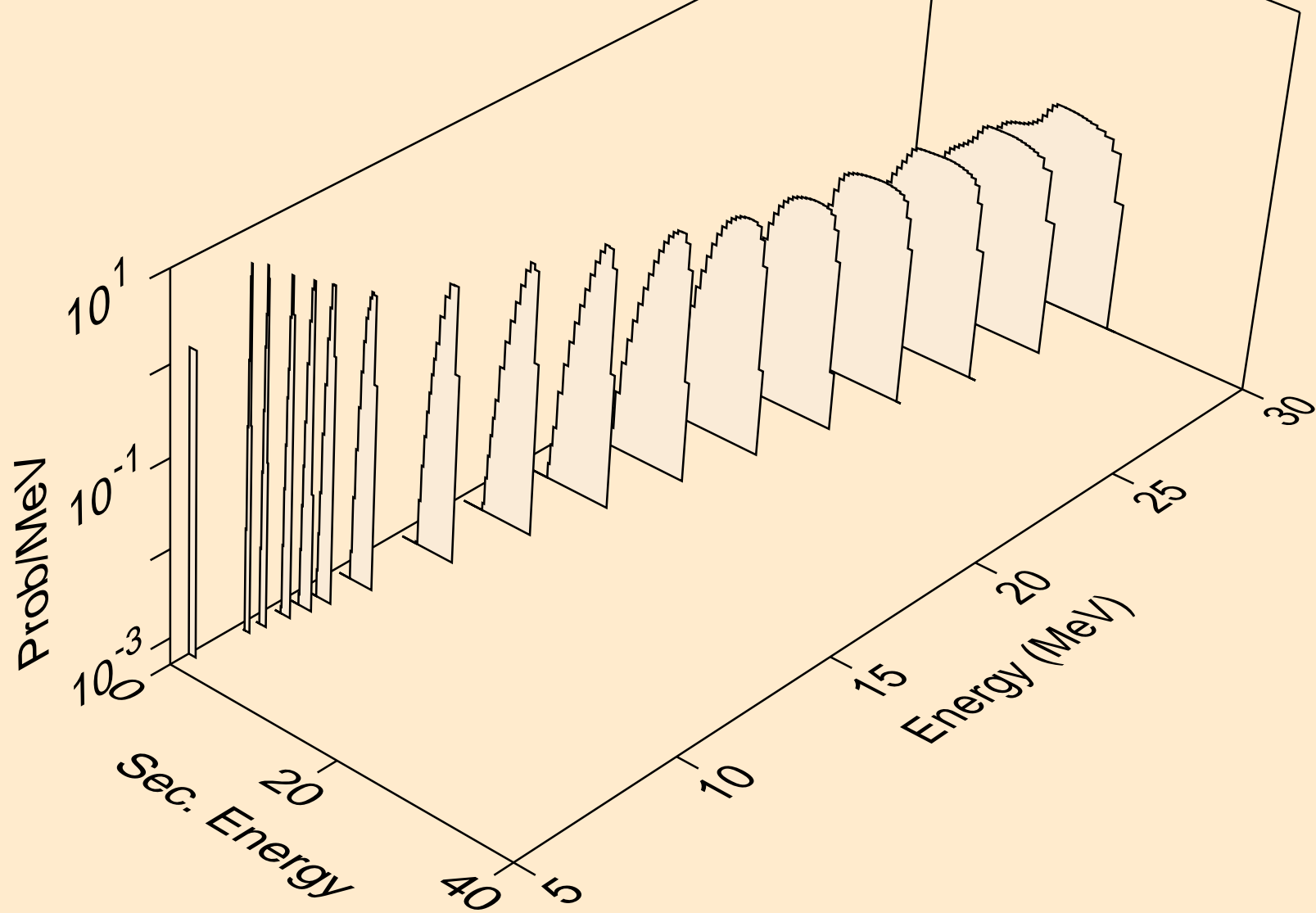
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Particle production cross sections



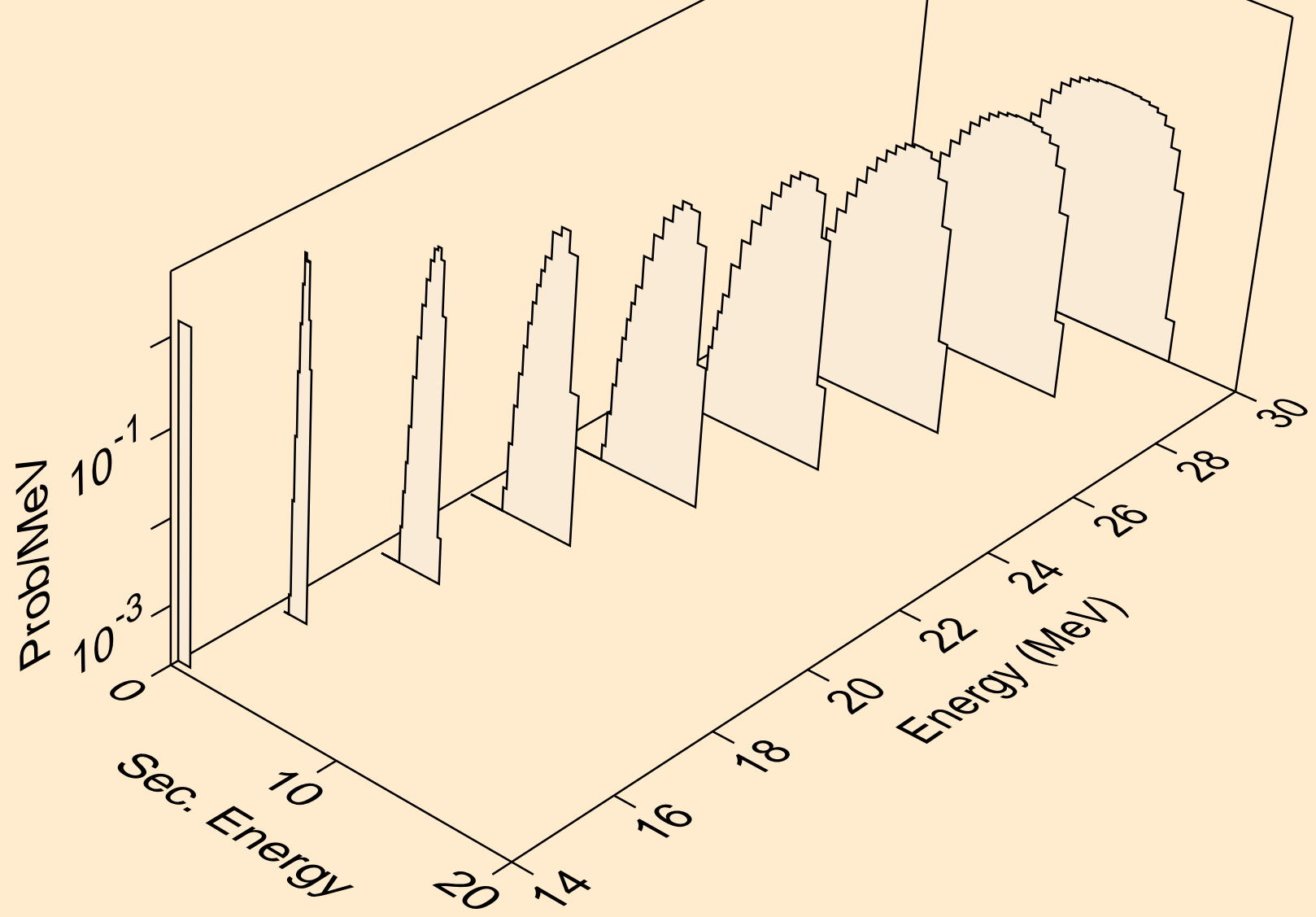
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protons from (n,x)



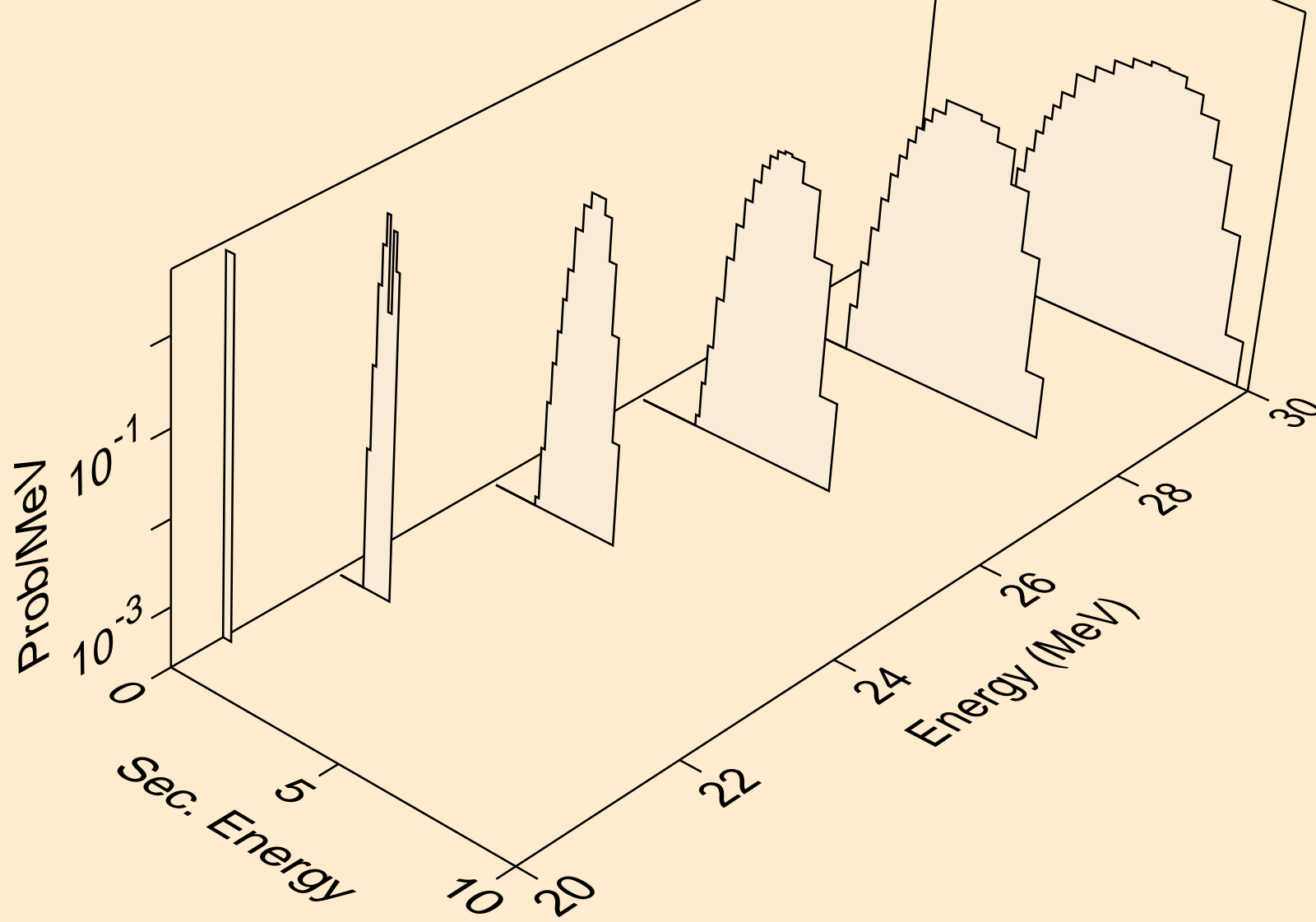
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protons from (n,n\*)p



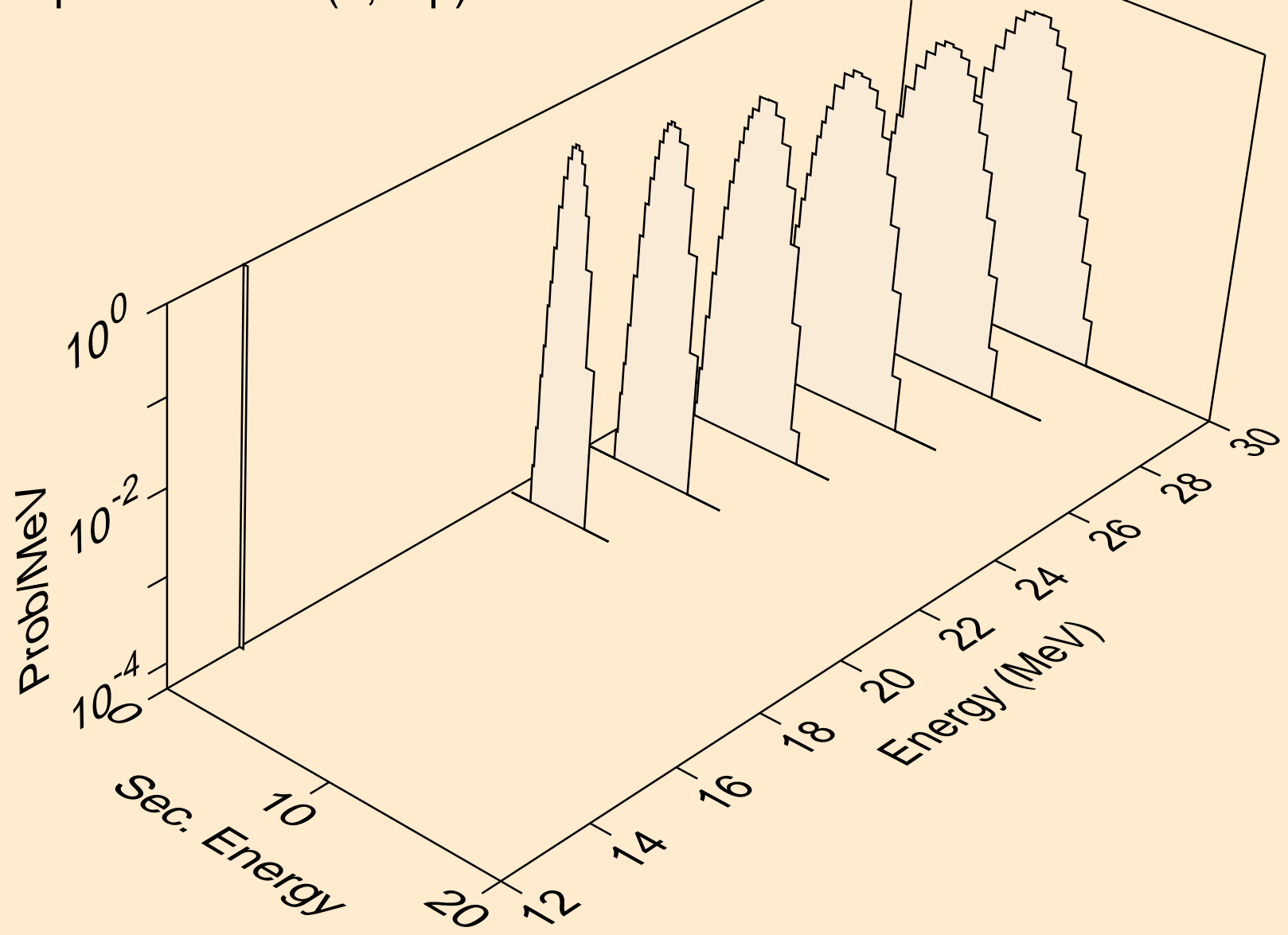
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protons from (n,2np)



TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)

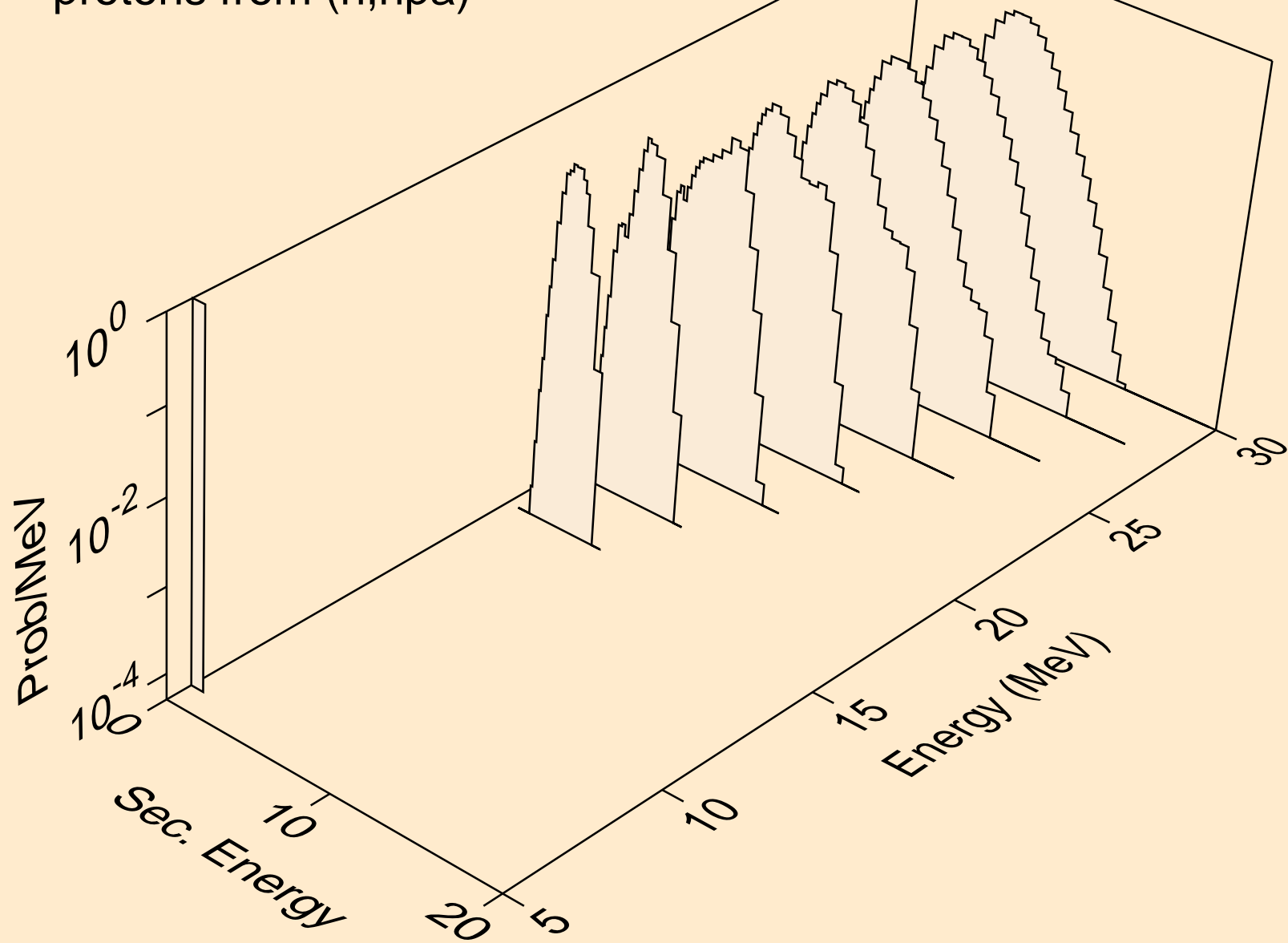


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protons from (n,n2p)

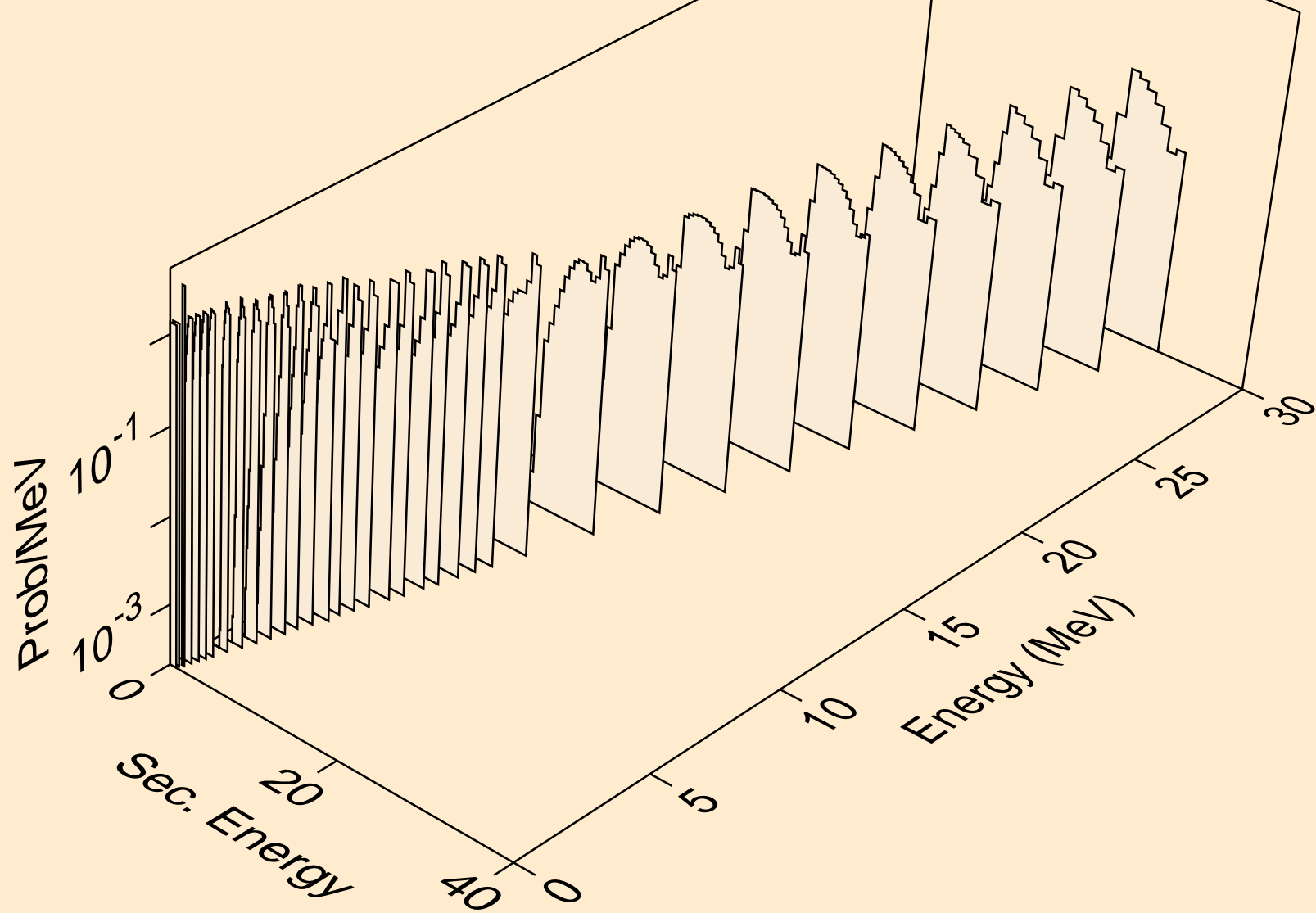




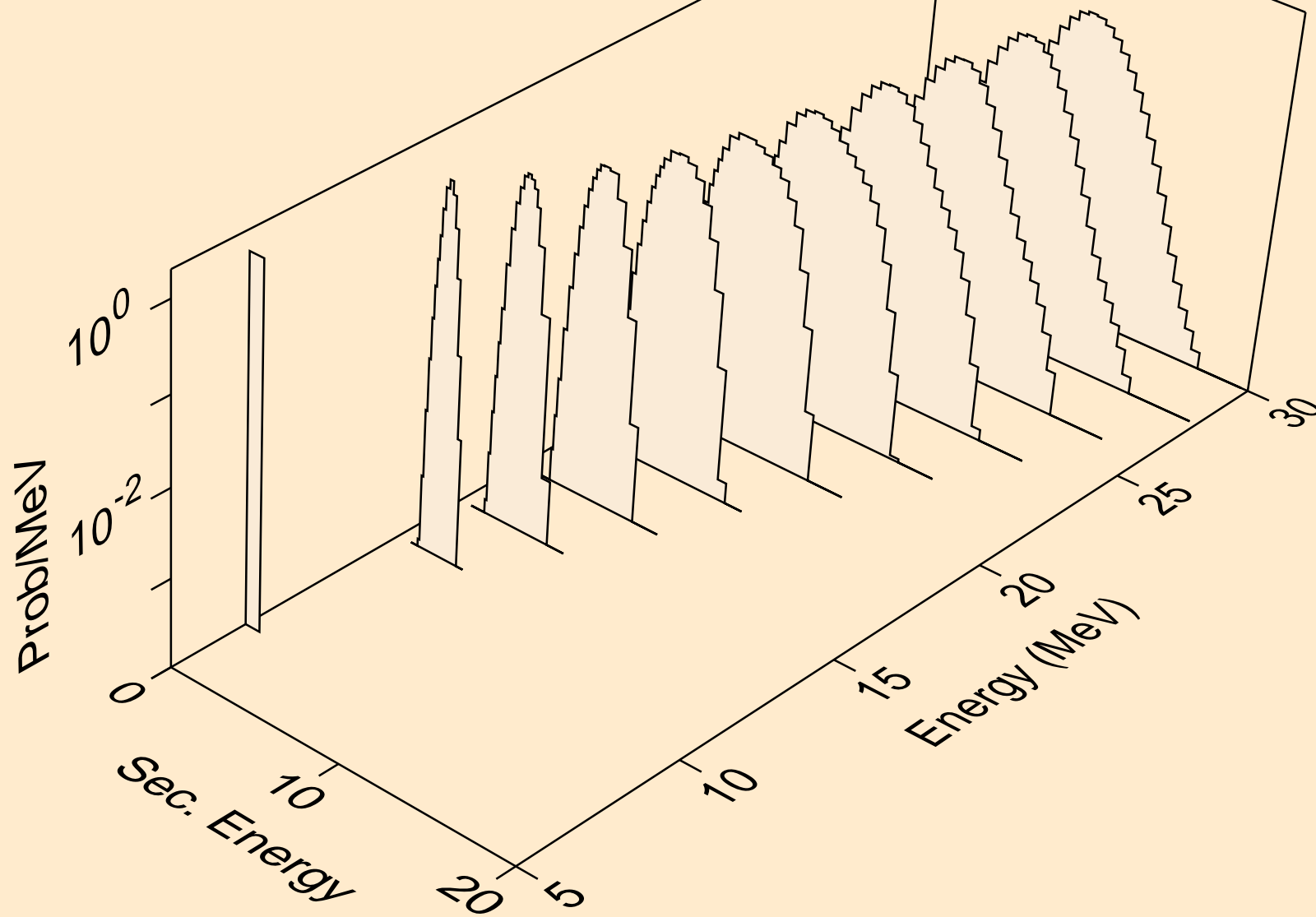
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protons from (n,npa)



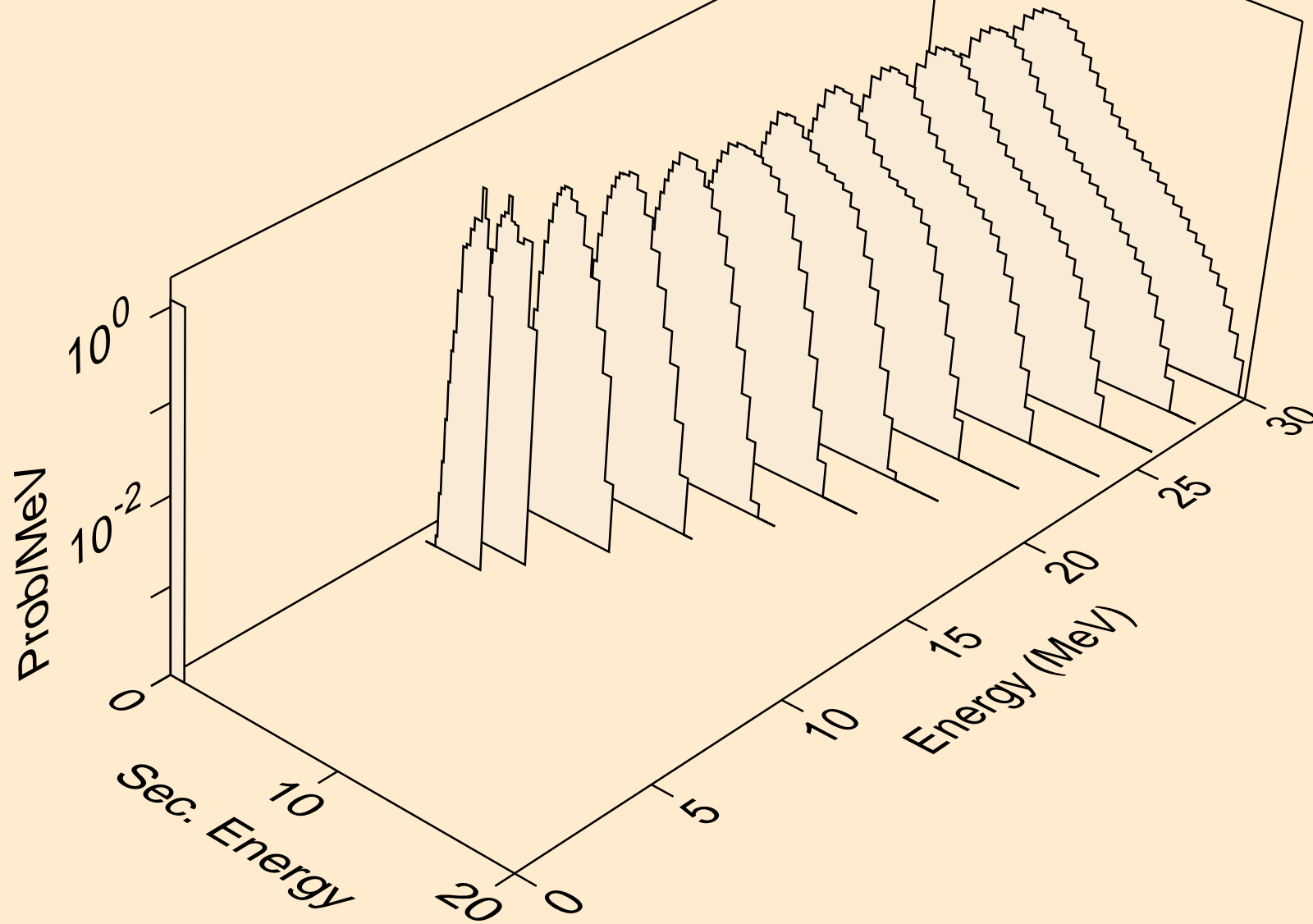
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protons from (n,p)



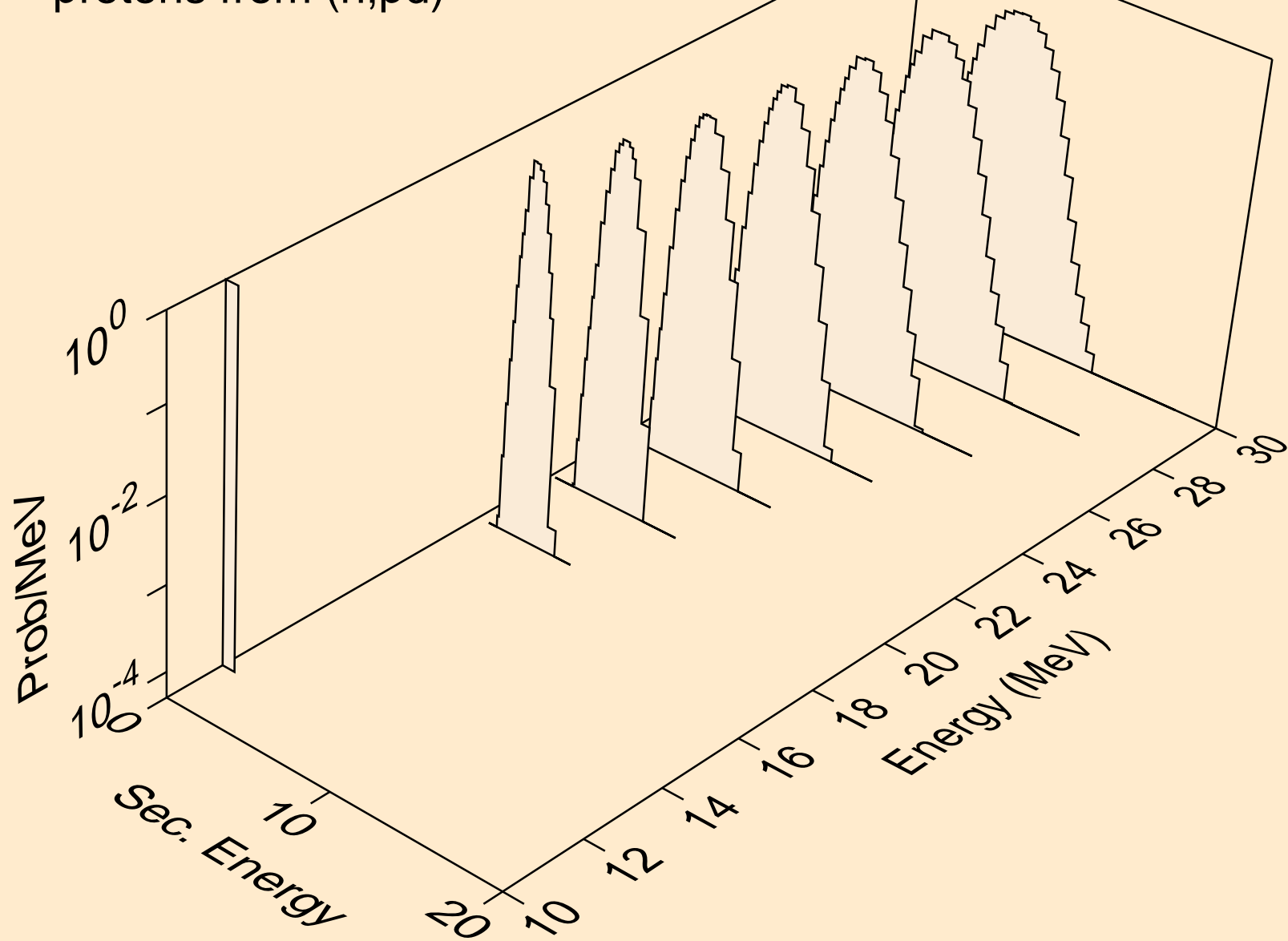
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protons from (n,2p)



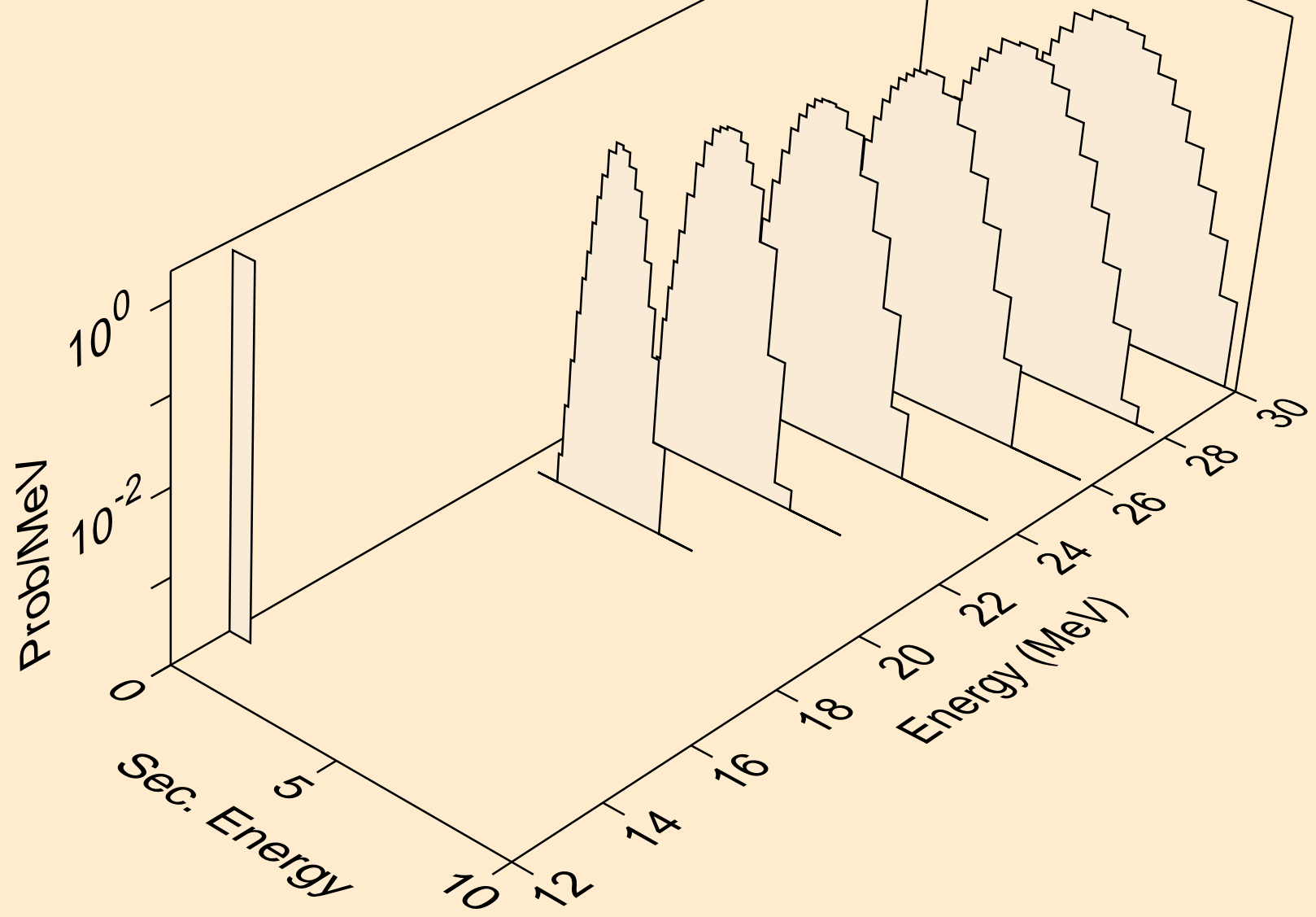
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protons from (n,p)



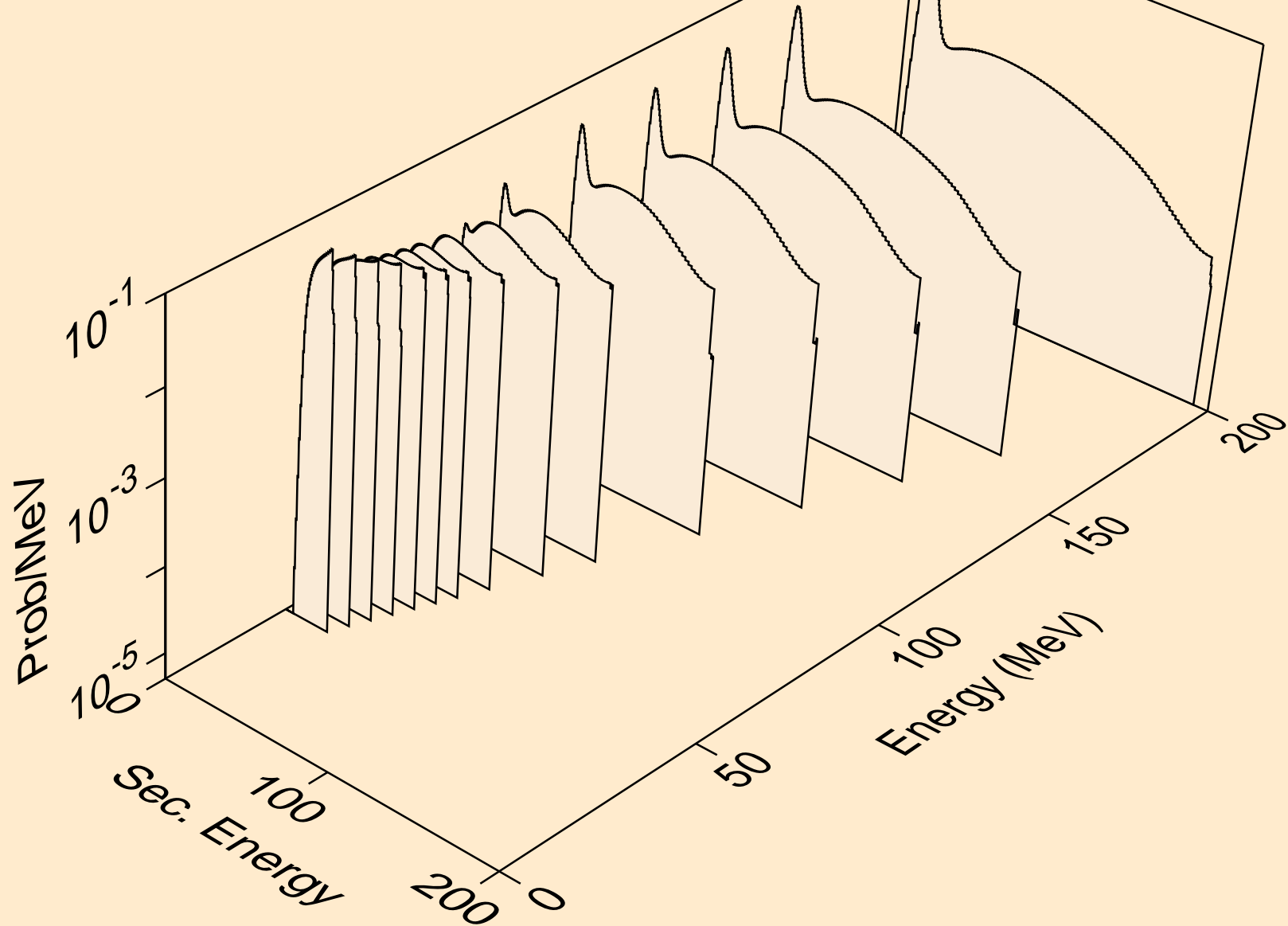
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protons from (n,pd)



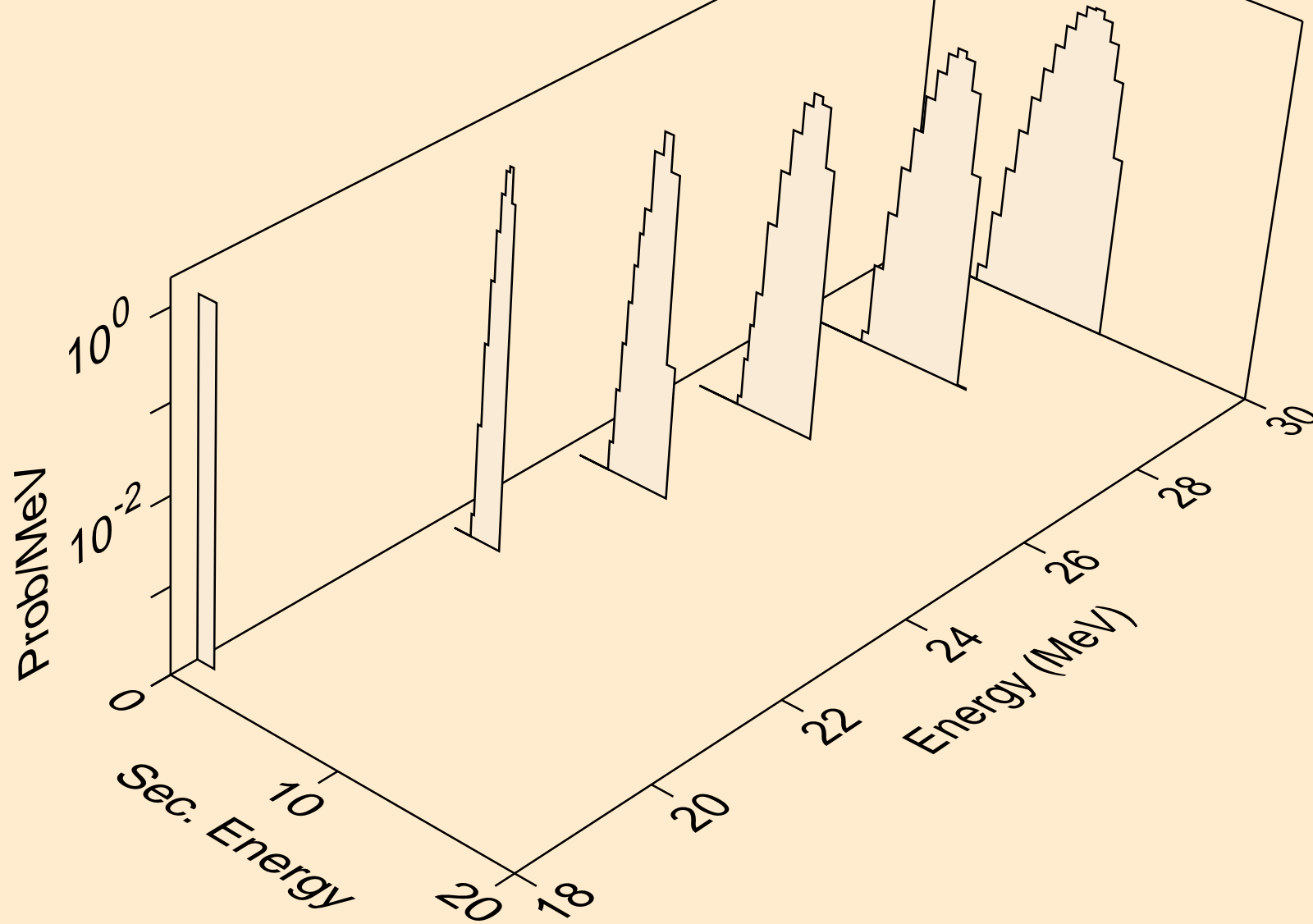
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protons from (n,pt)



TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)

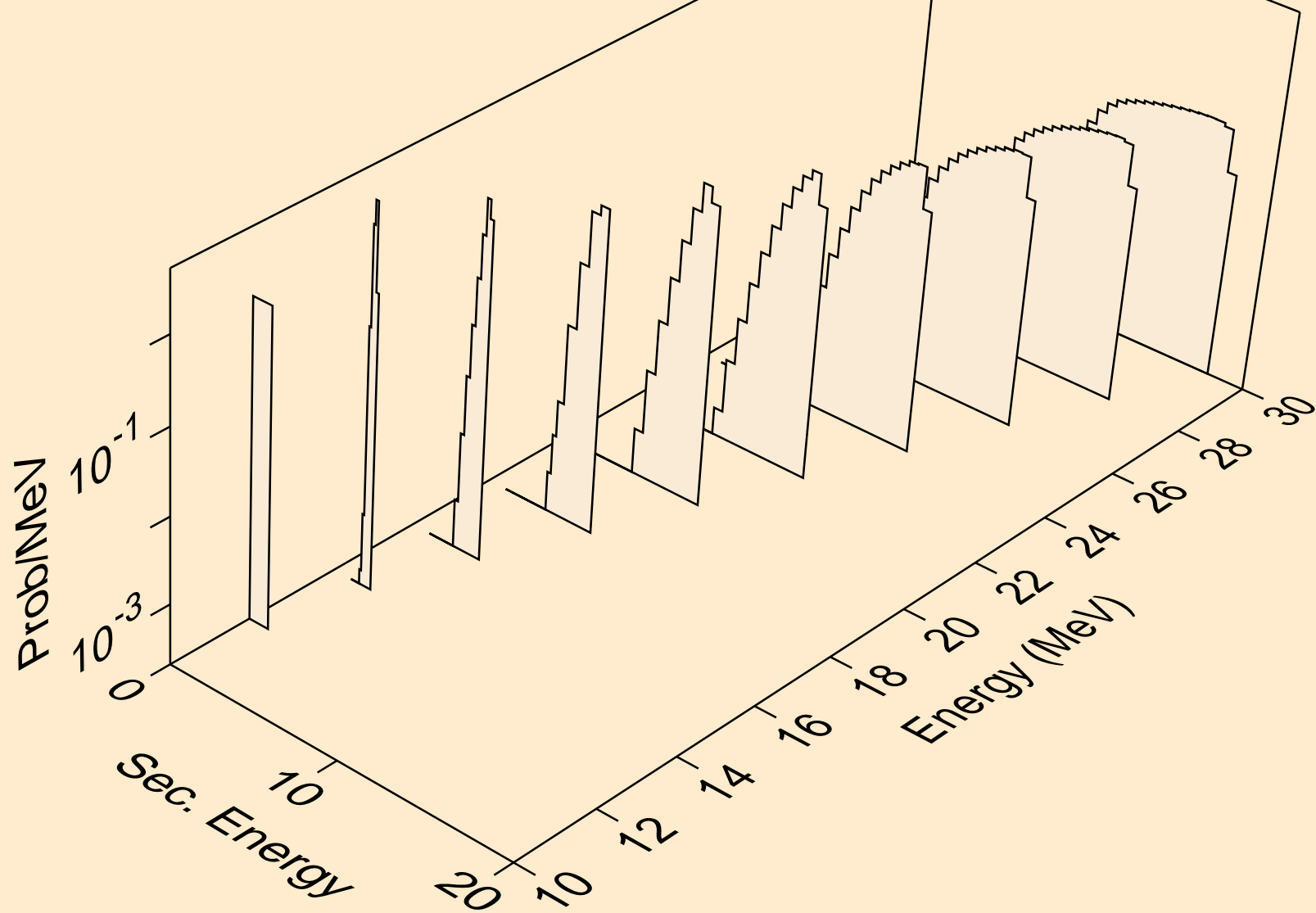


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deuterons from (n,2nd)

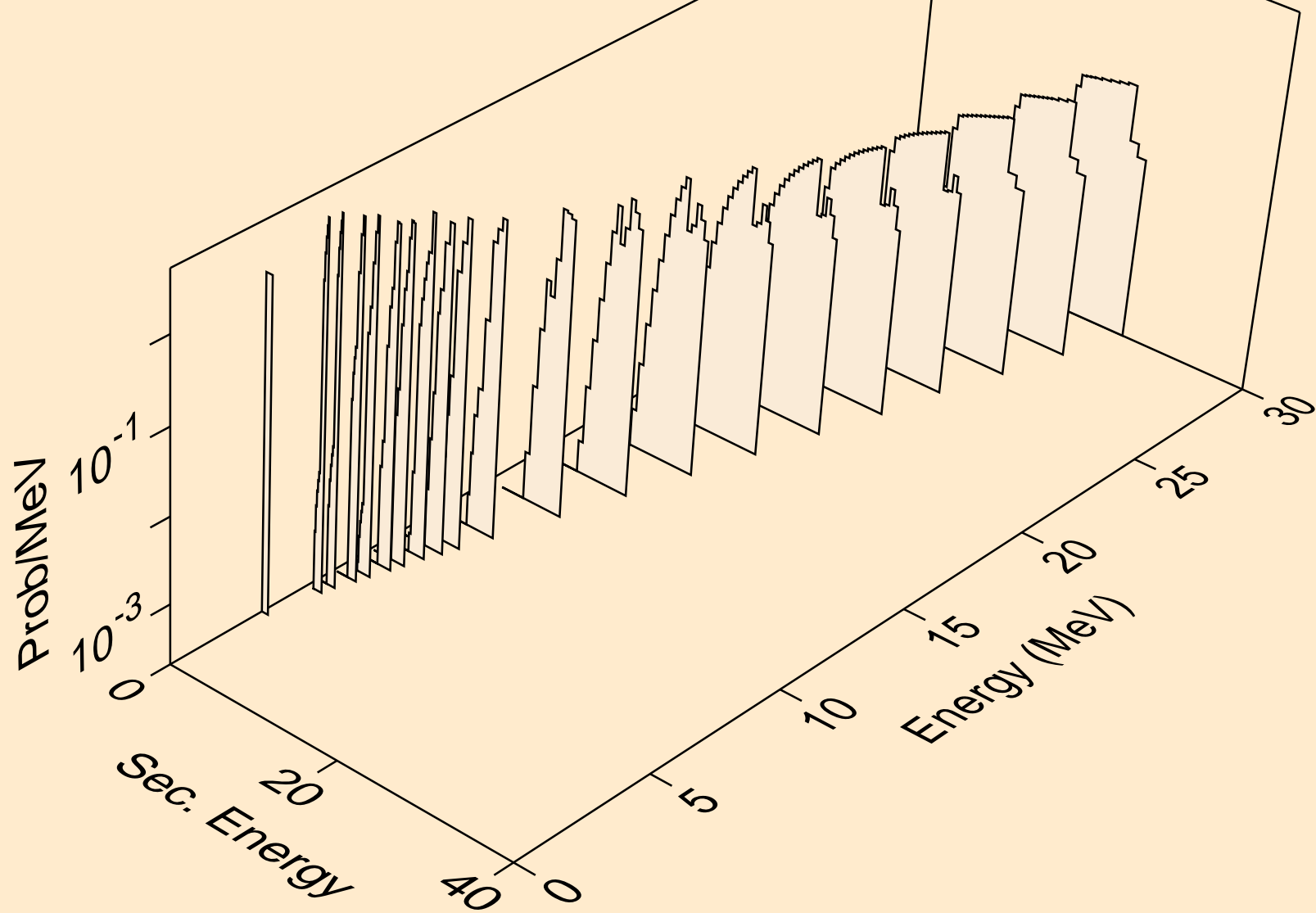




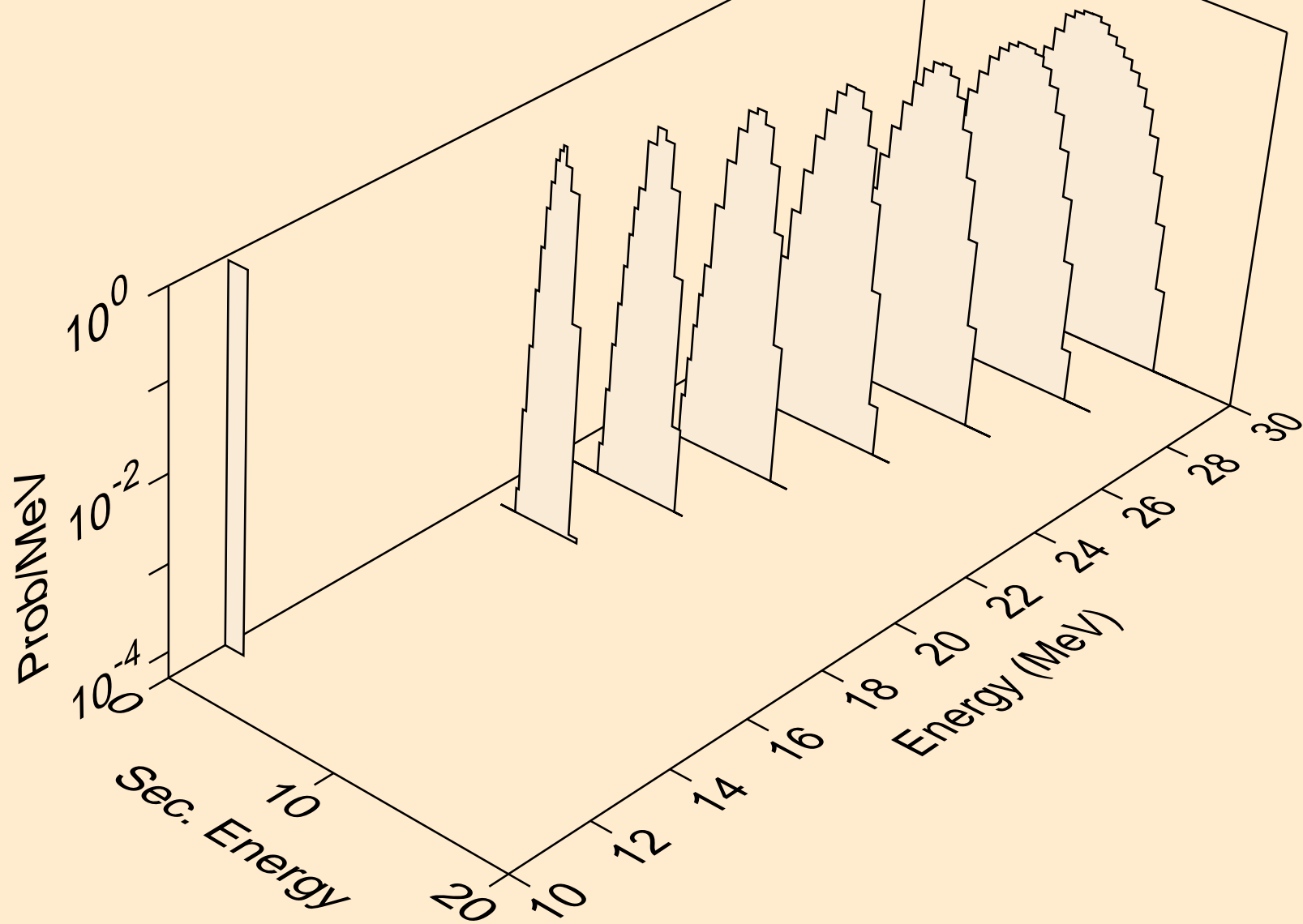
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deuterons from (n,n\*)d



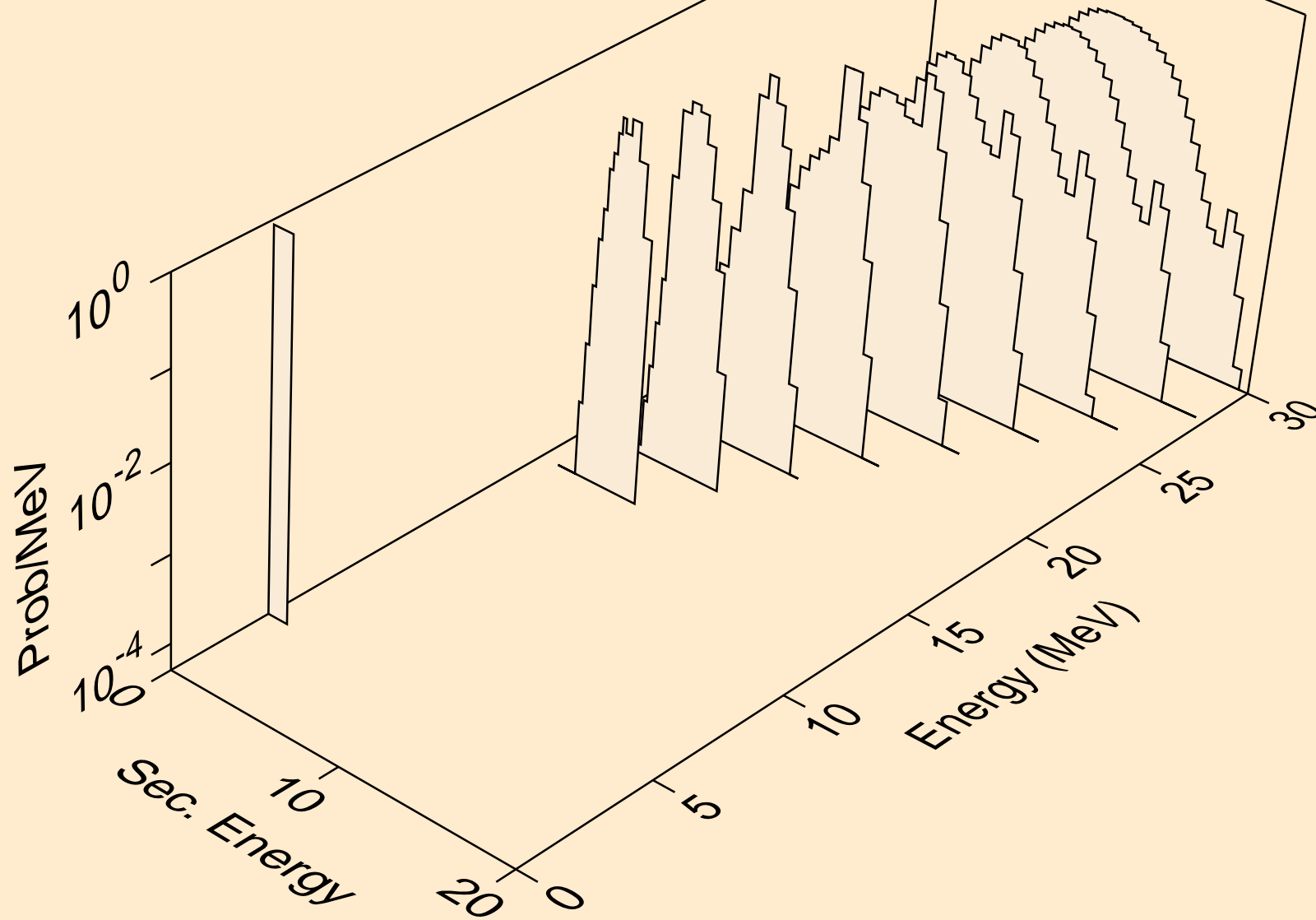
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deuterons from (n,d)



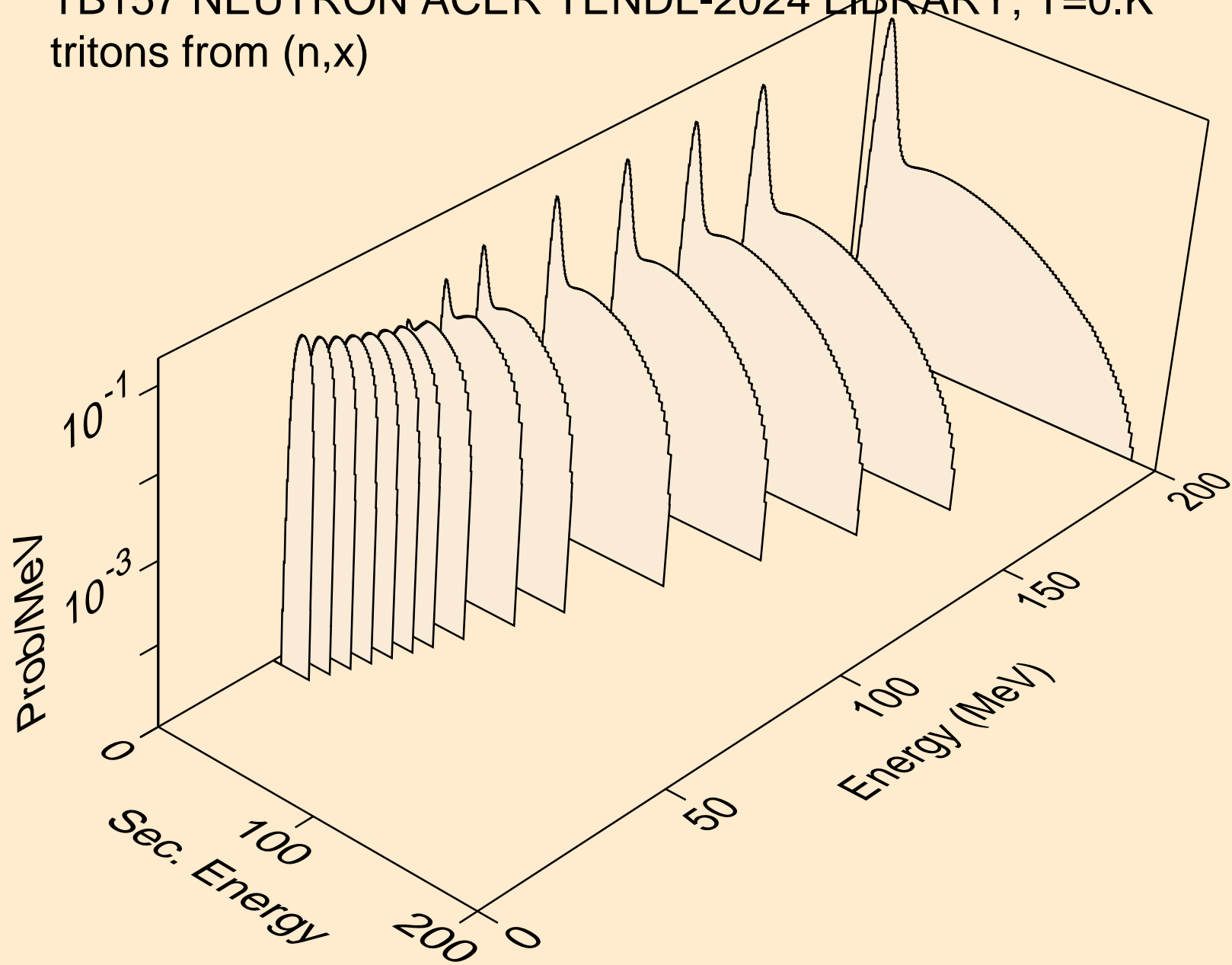
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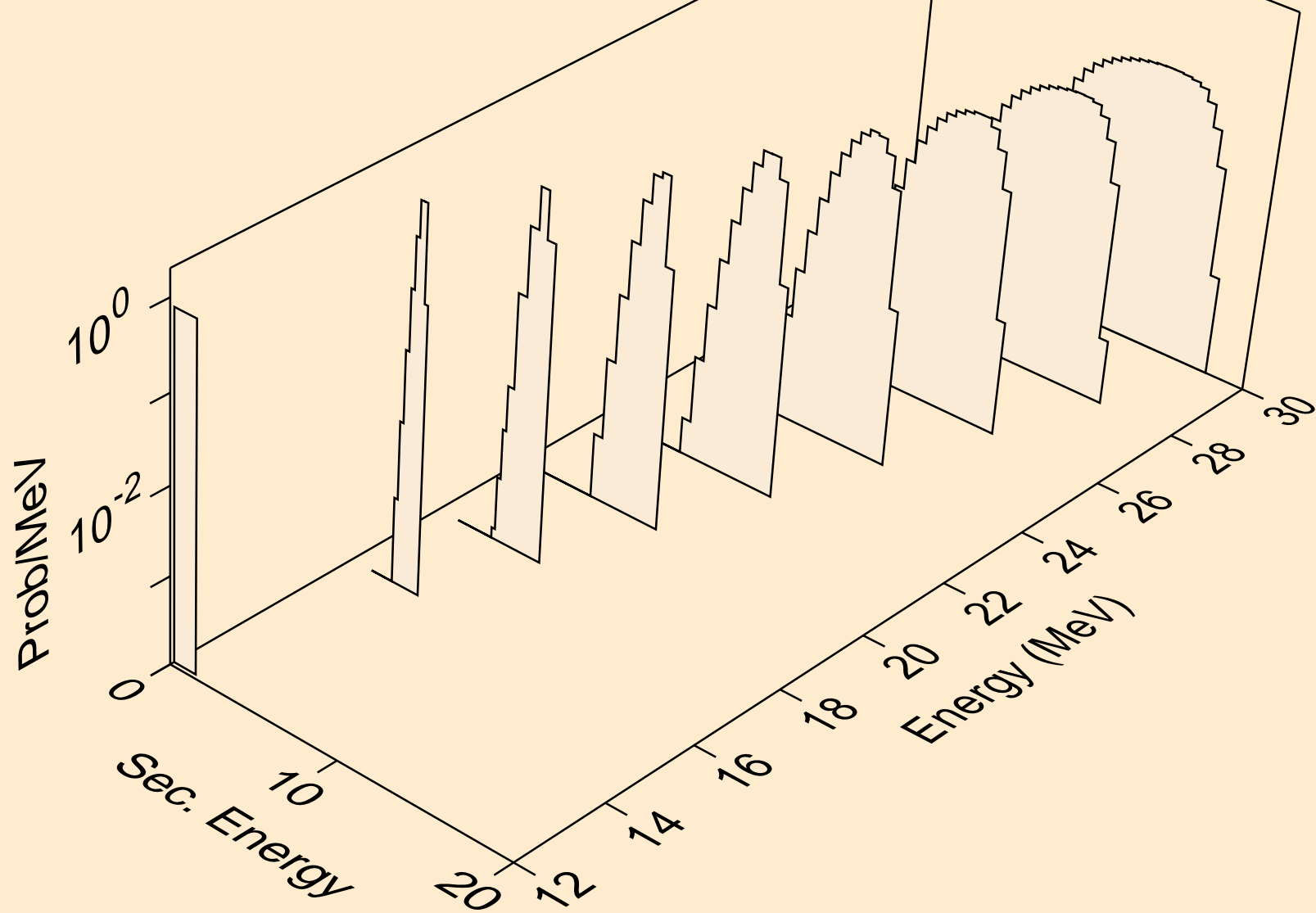
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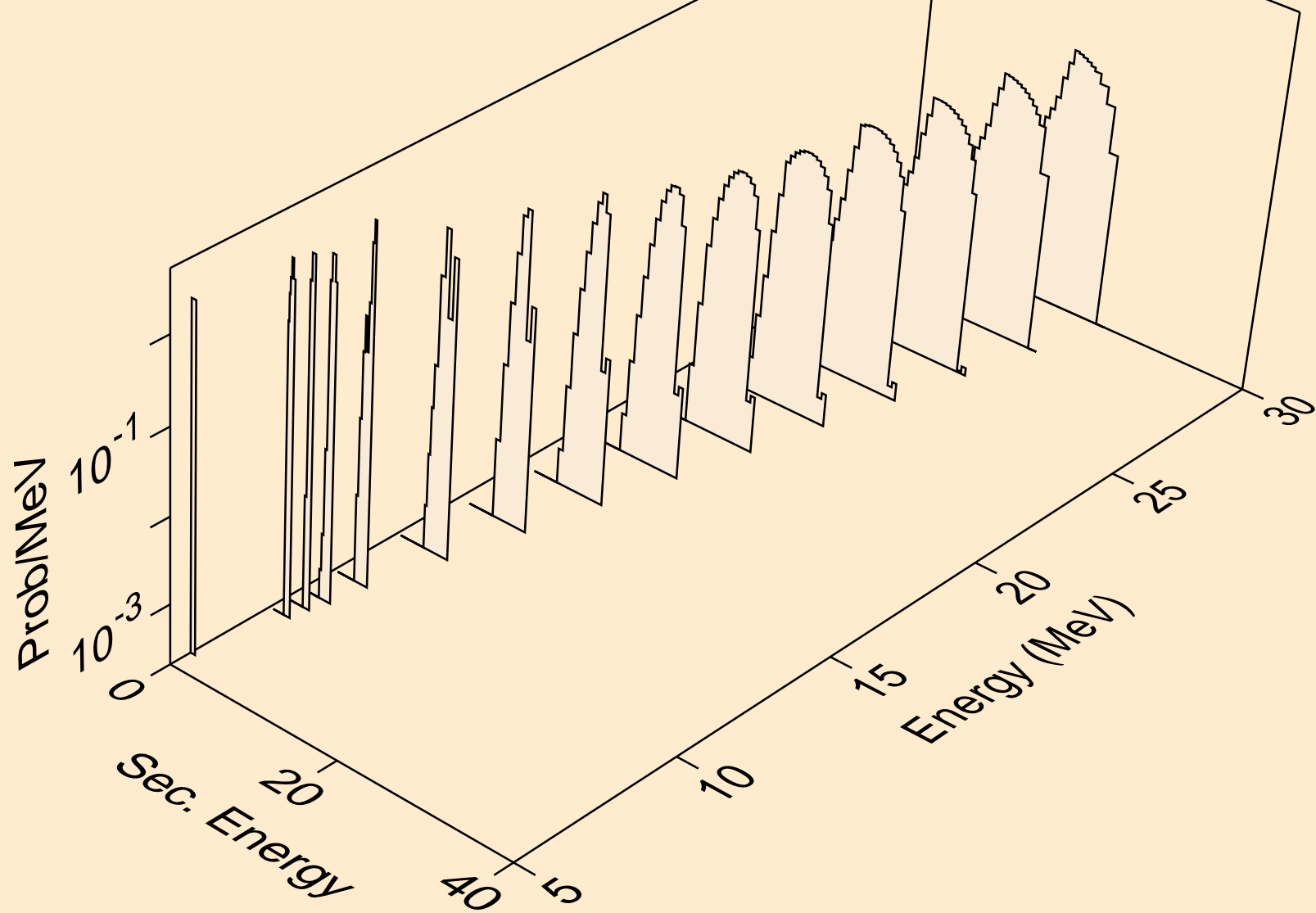
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tritons from (n,x)



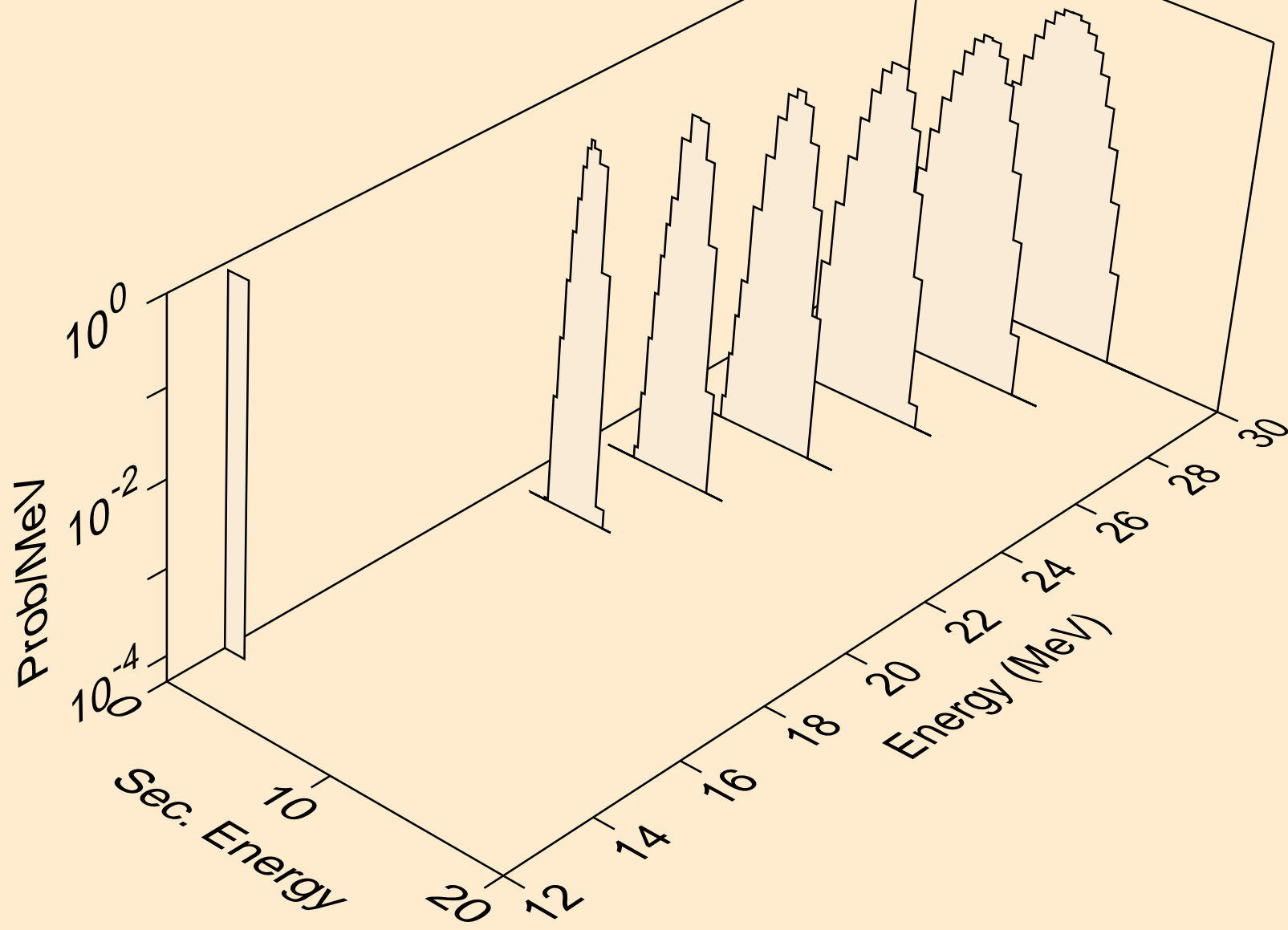
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,t)

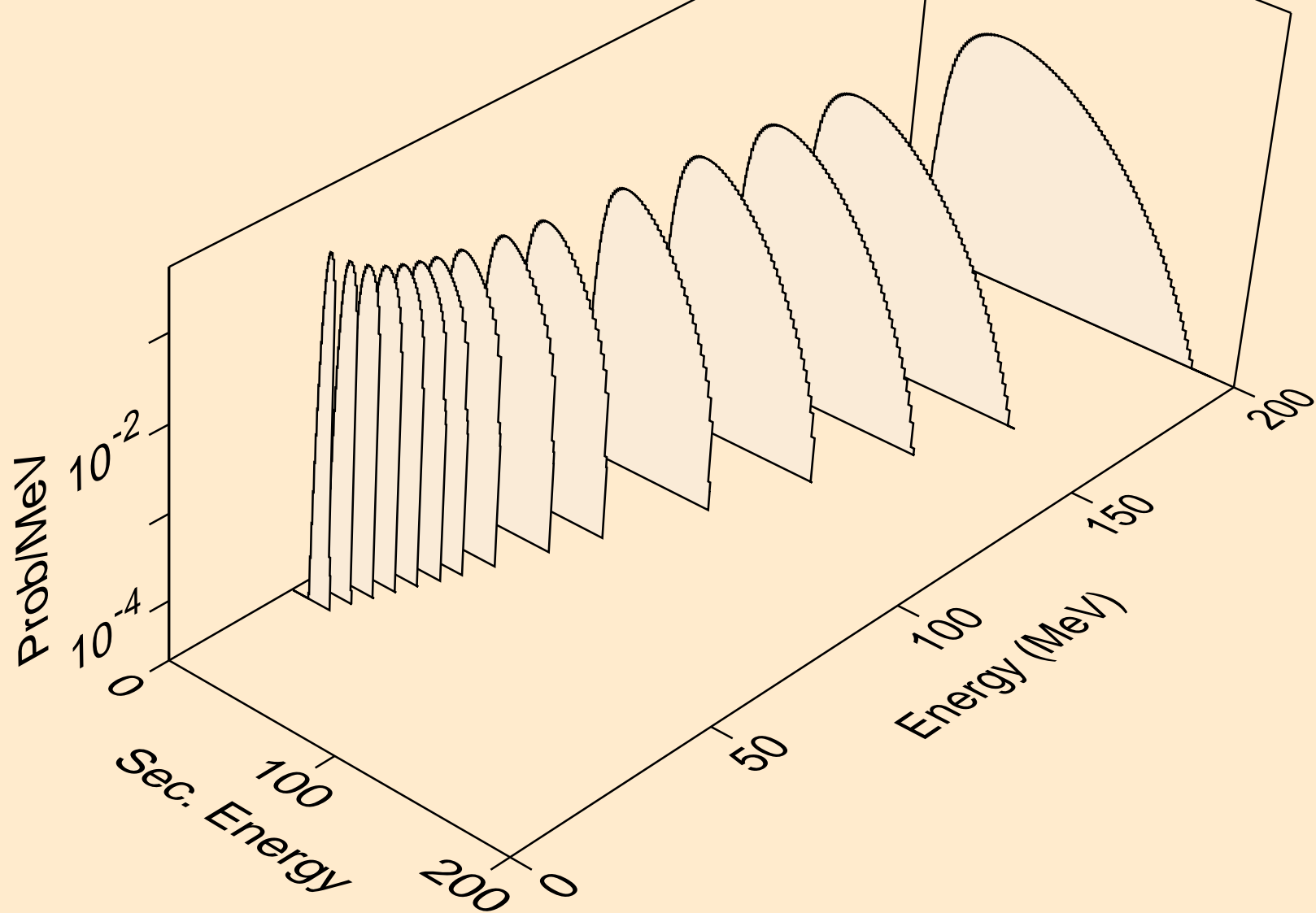


TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,pt)

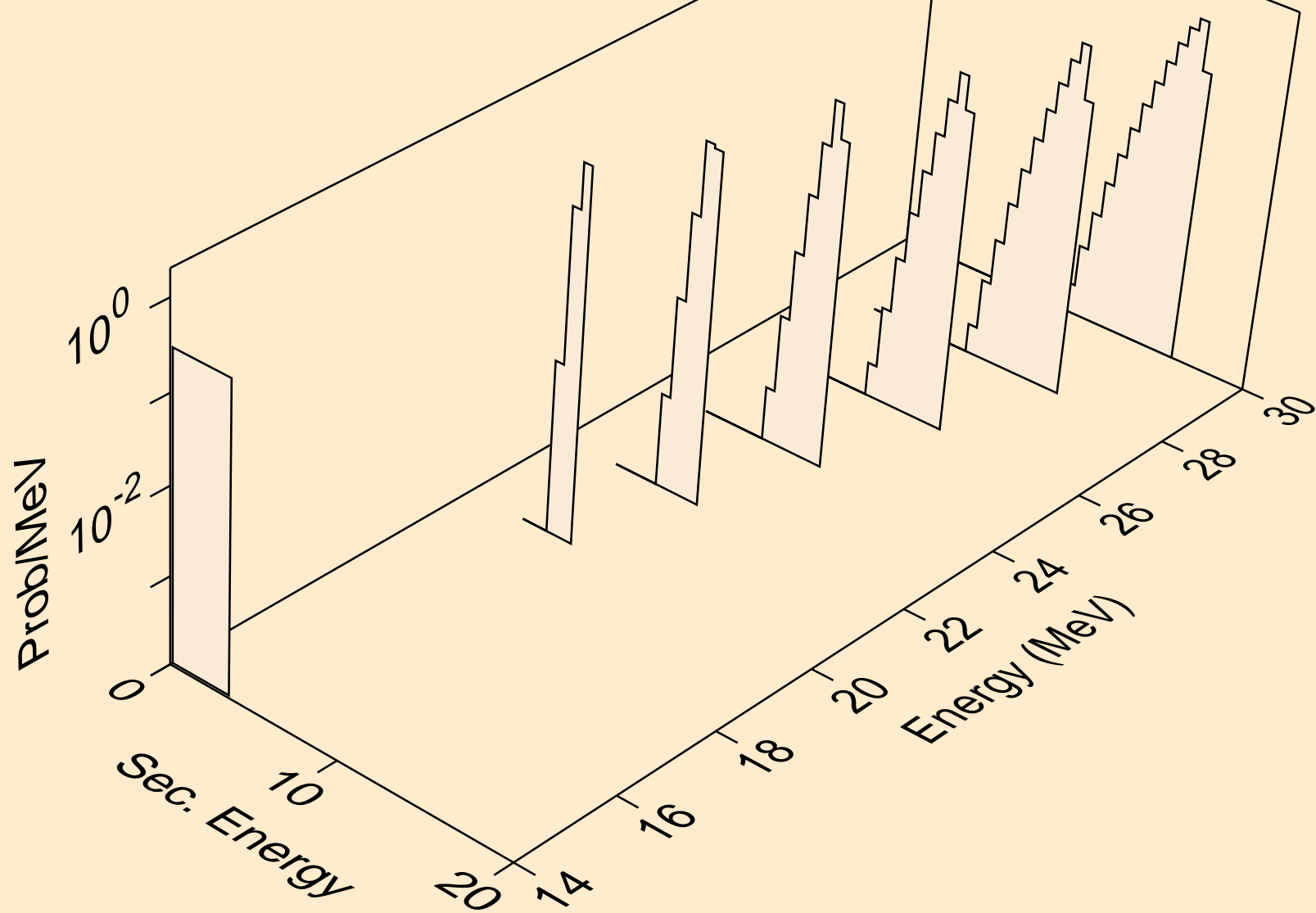




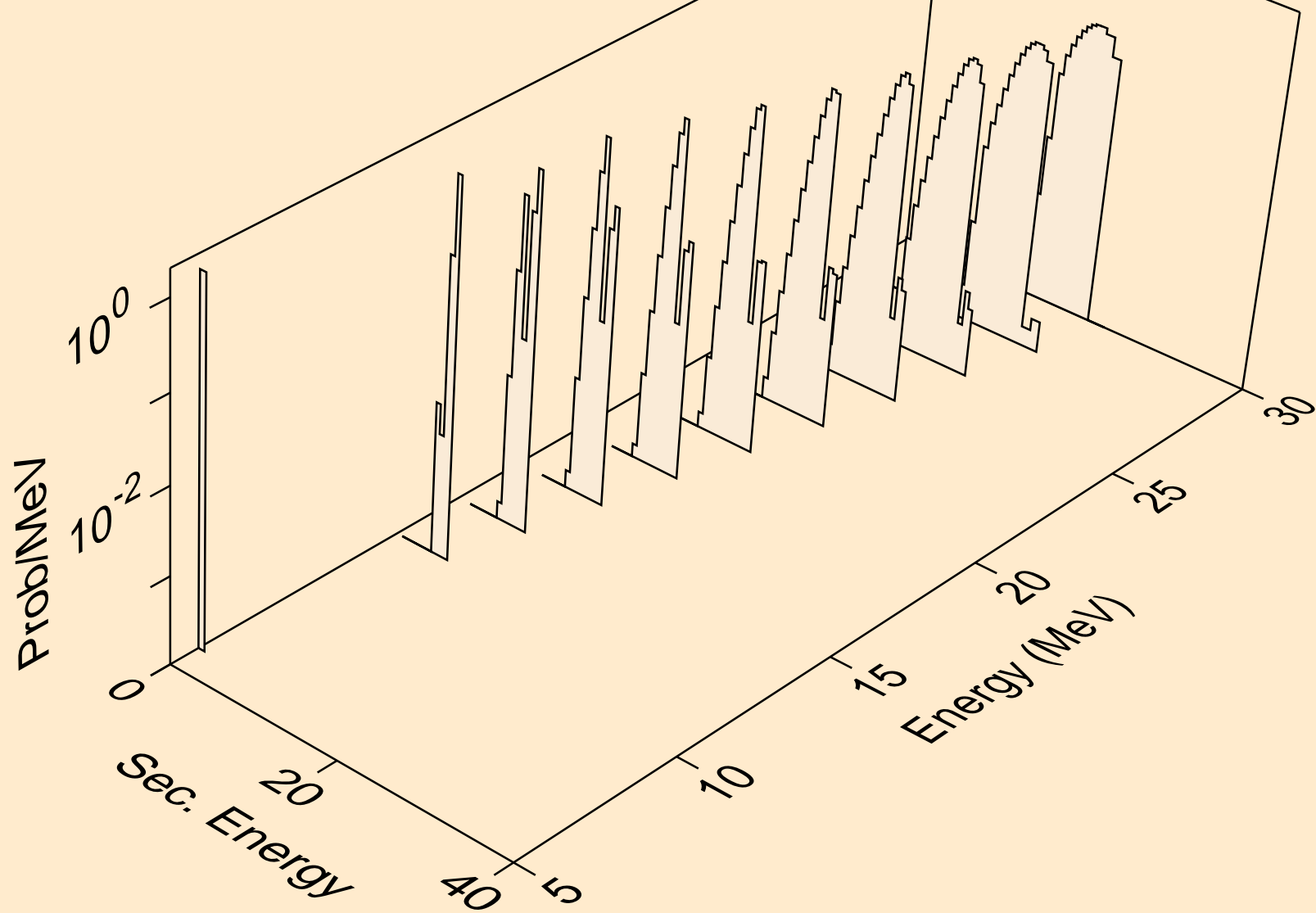
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)



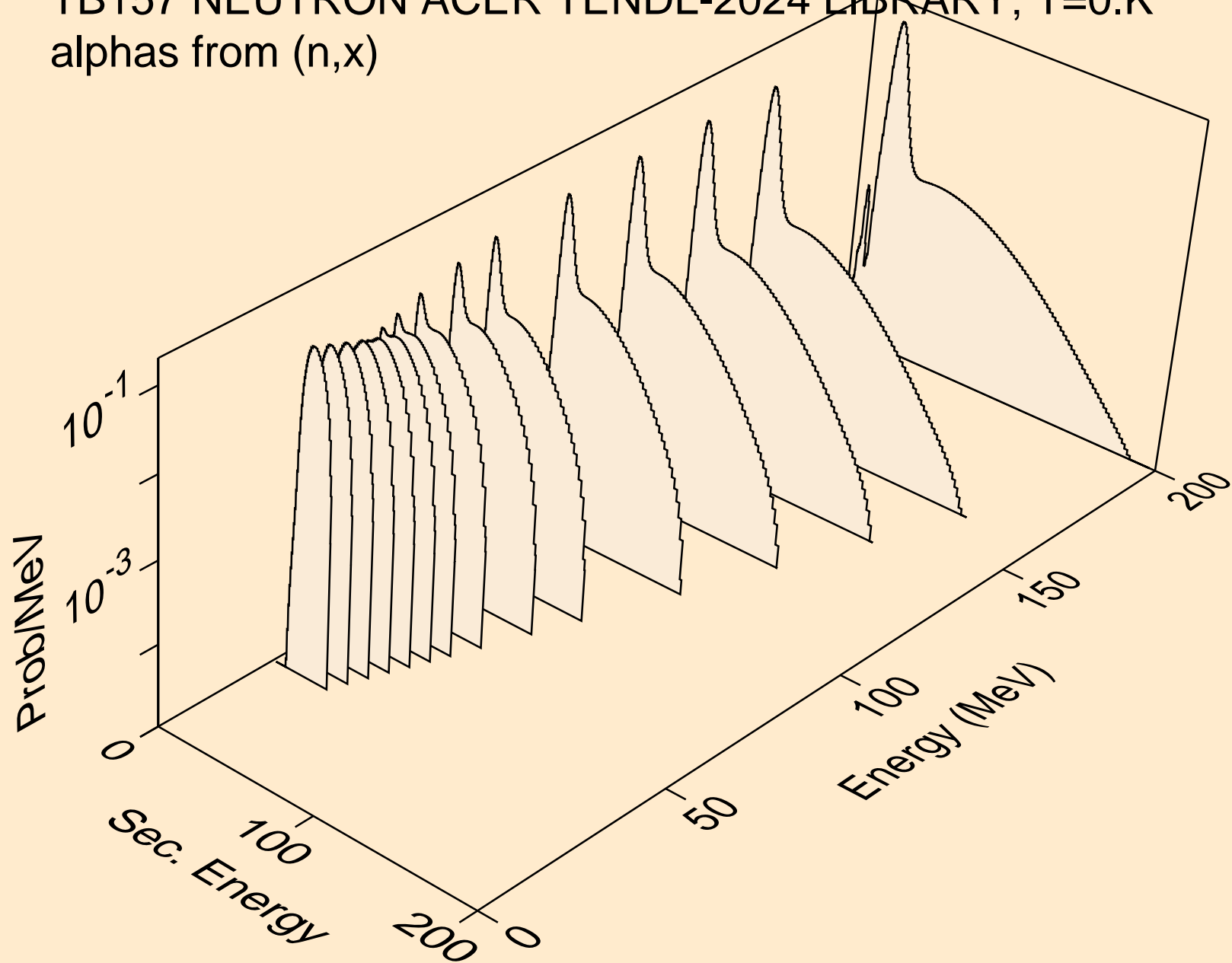
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3



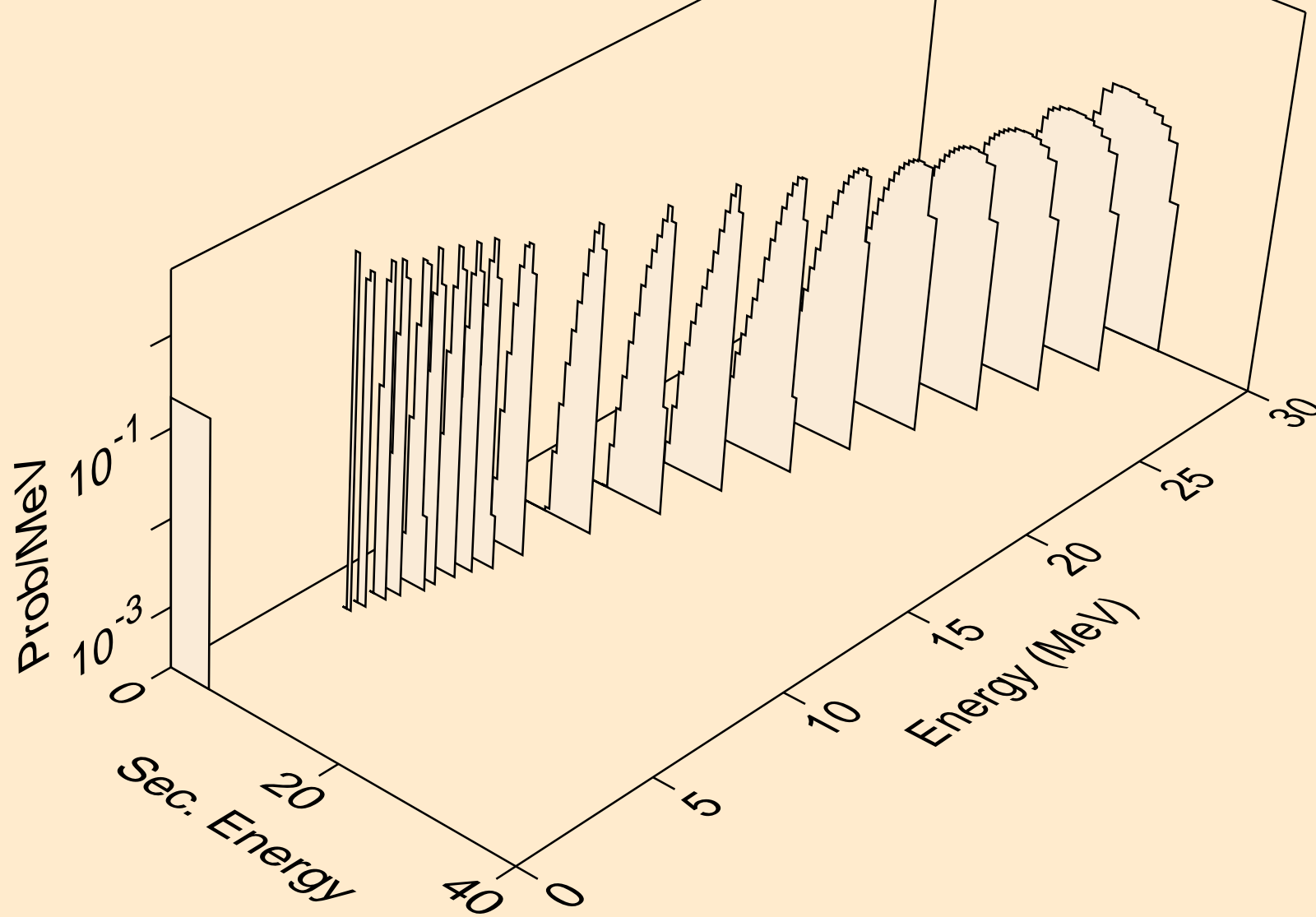
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)



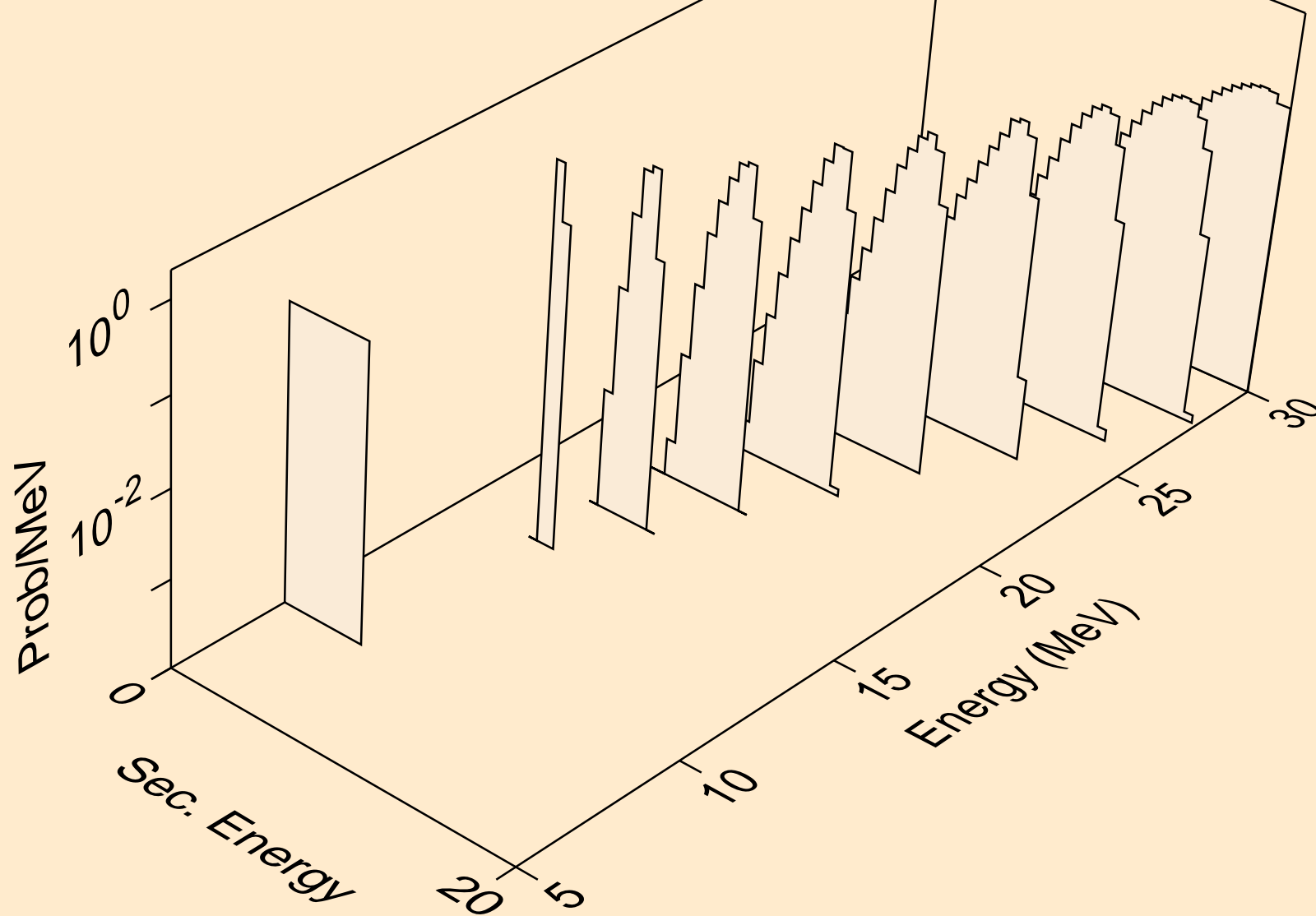
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



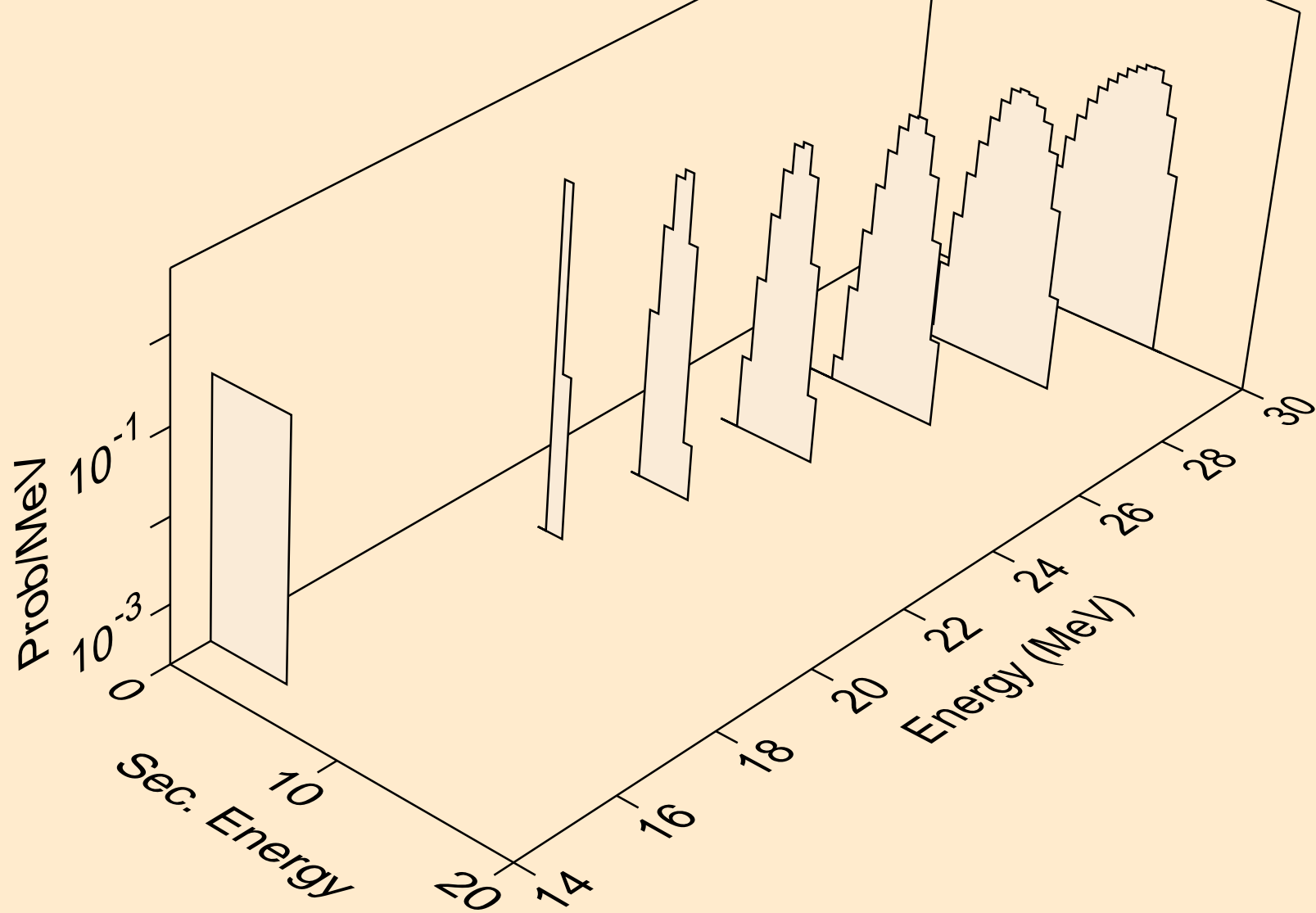
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a



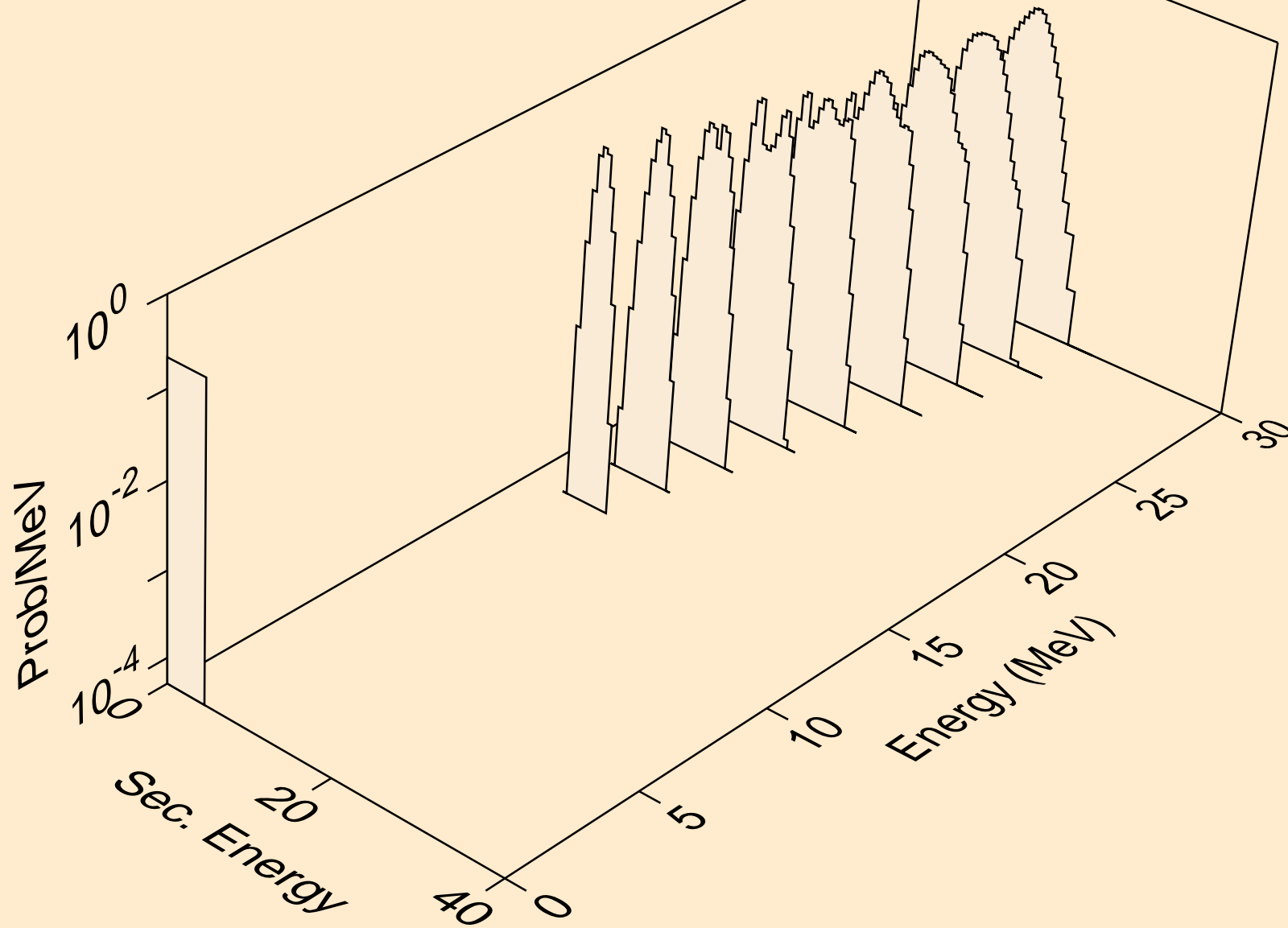
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a

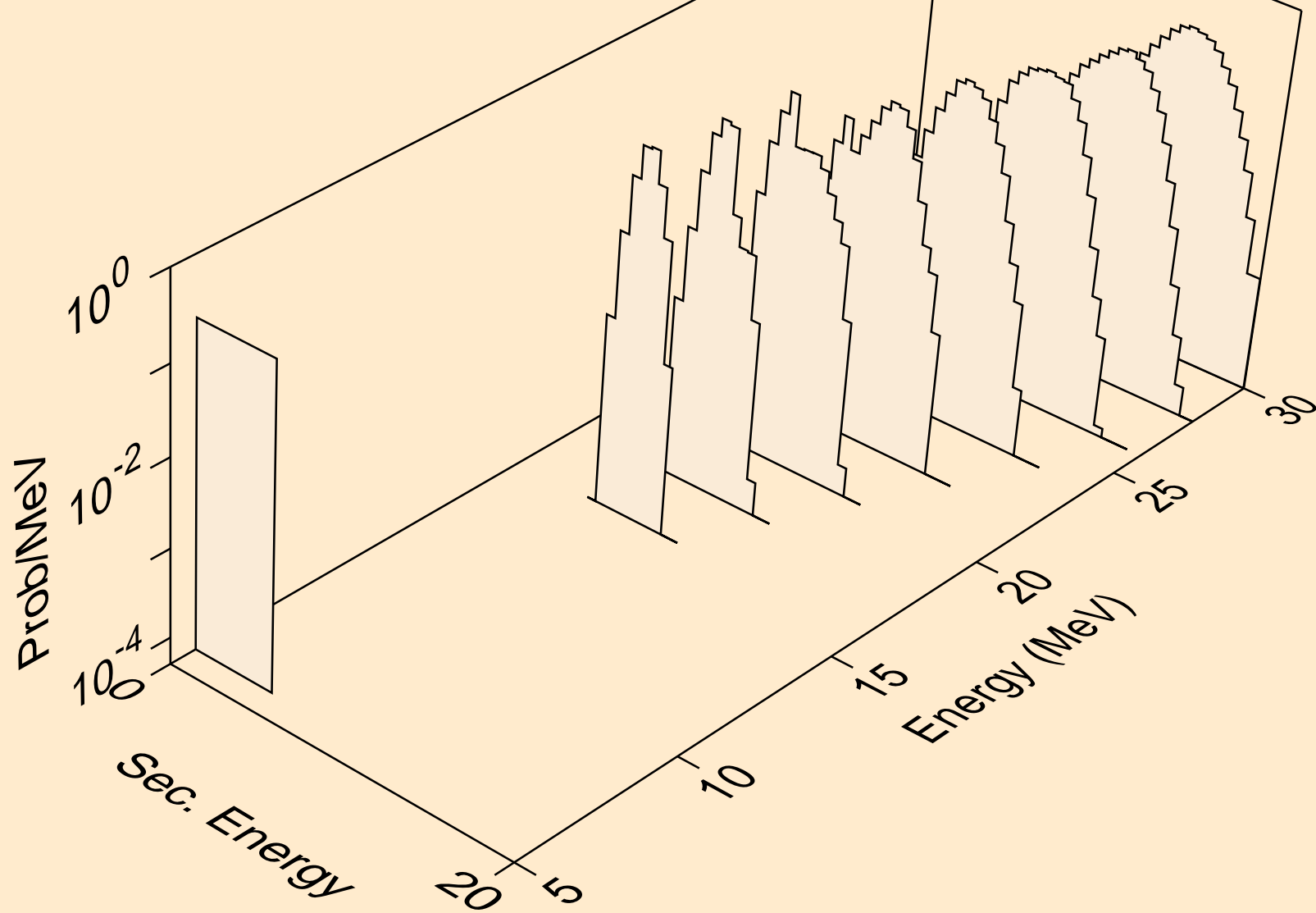


TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a

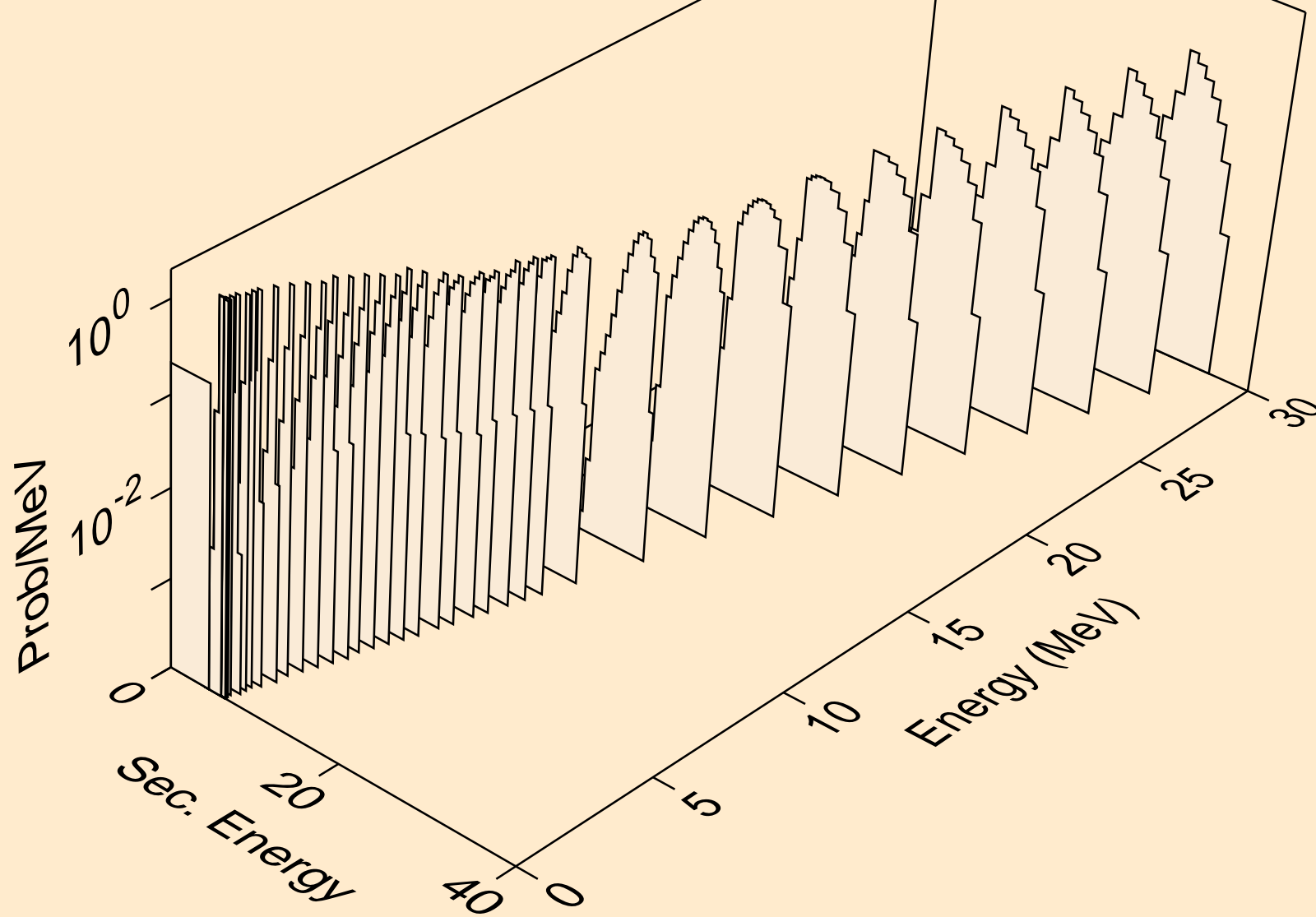




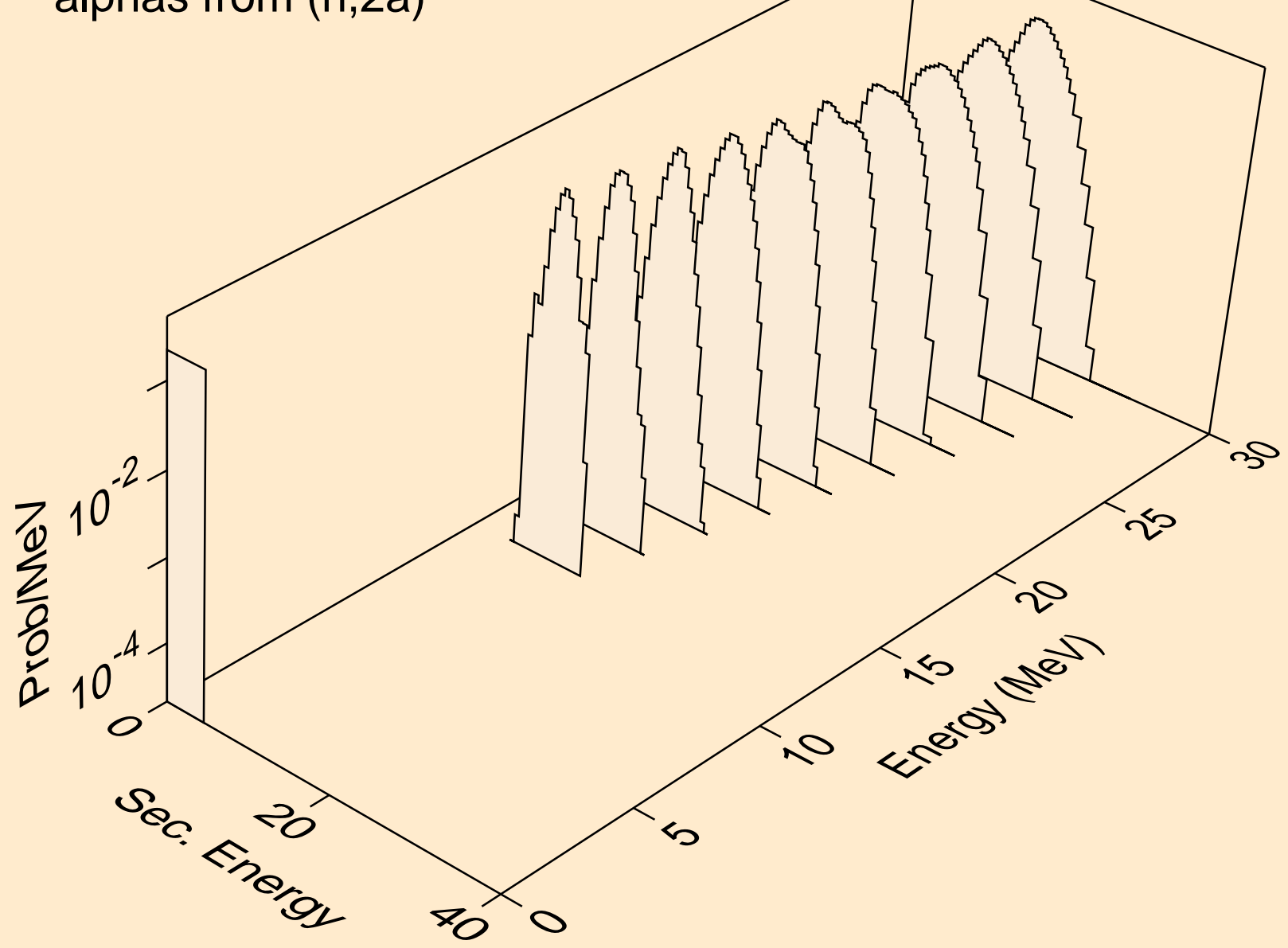
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



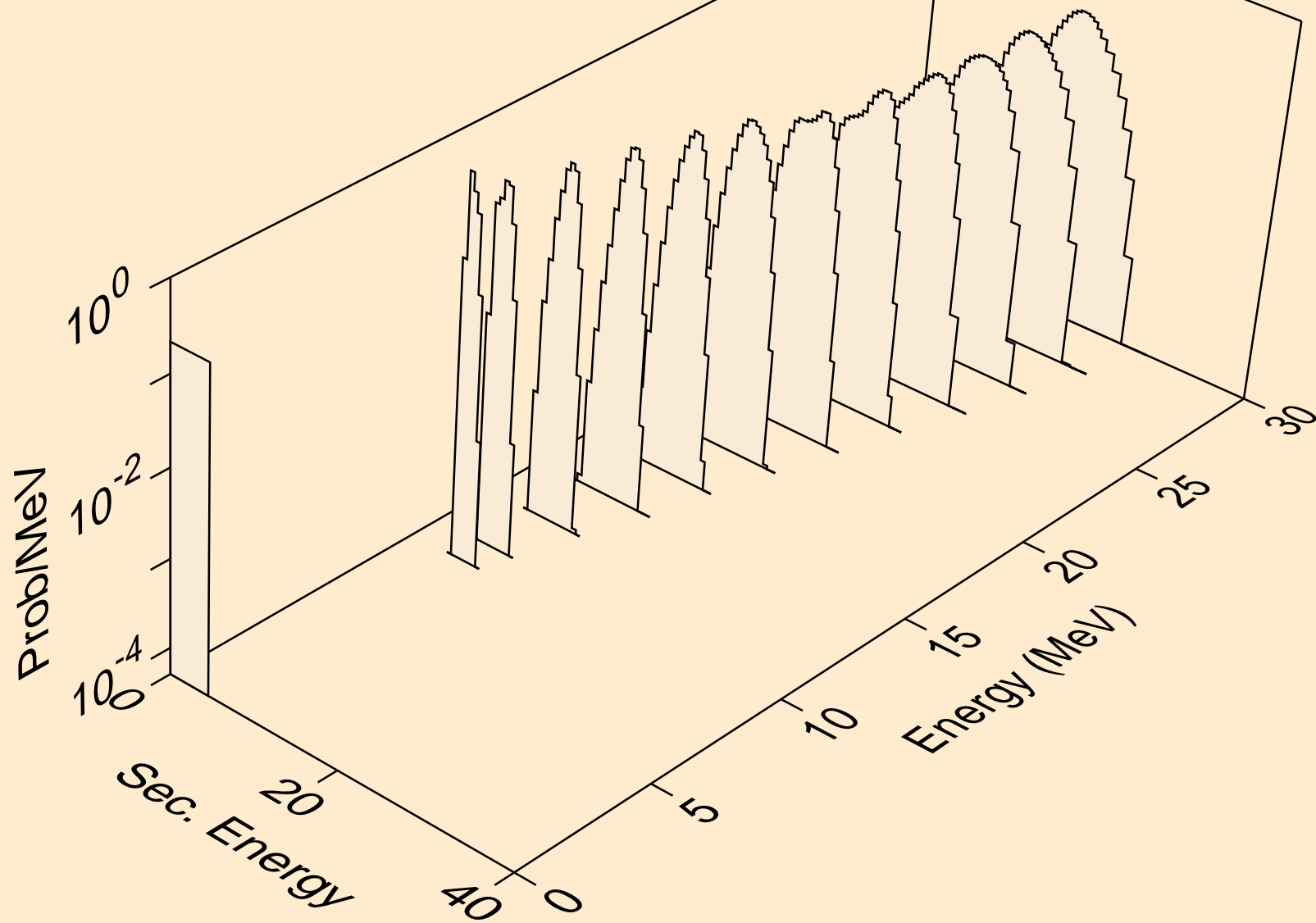
TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



TB157 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

