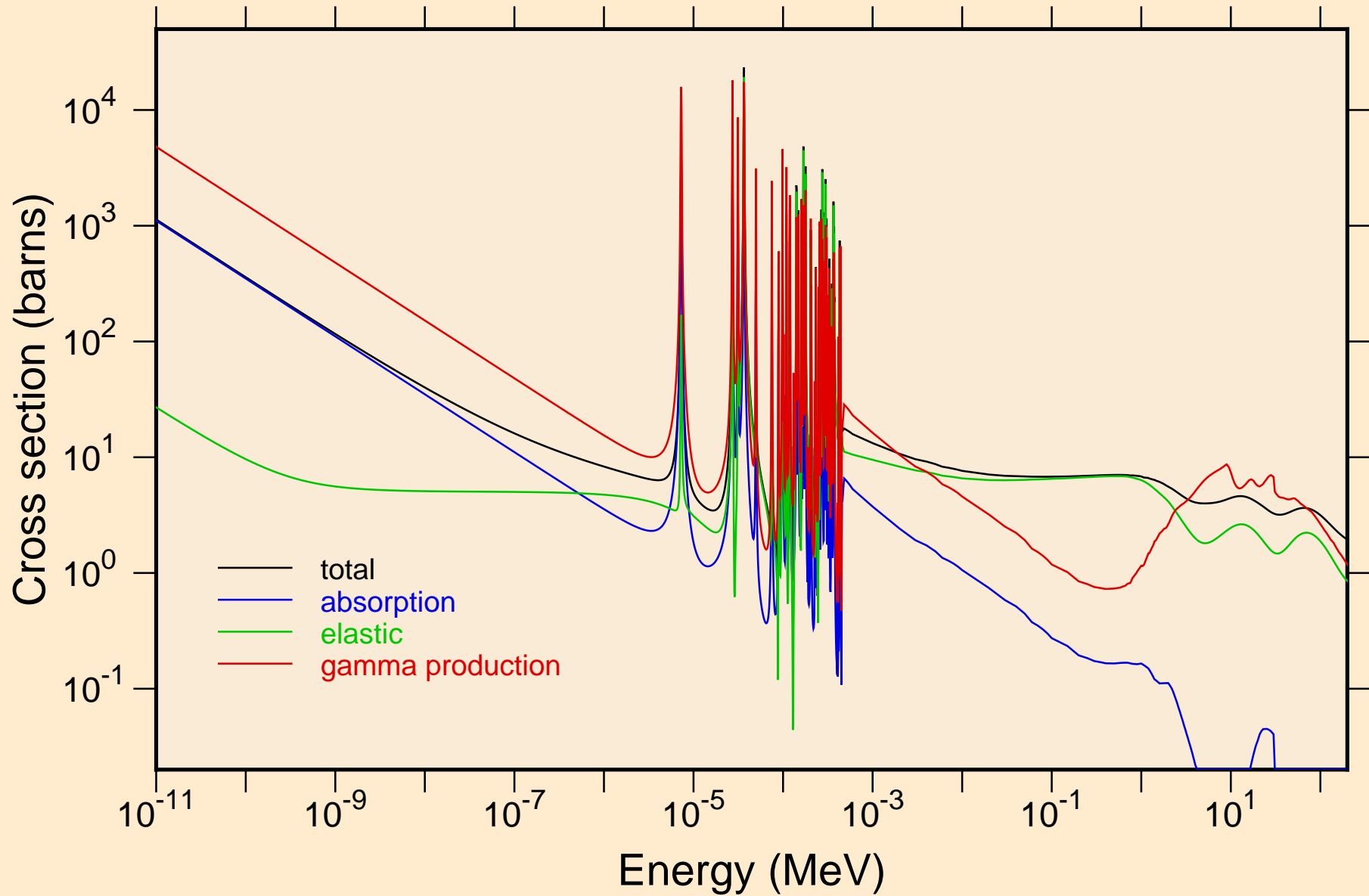
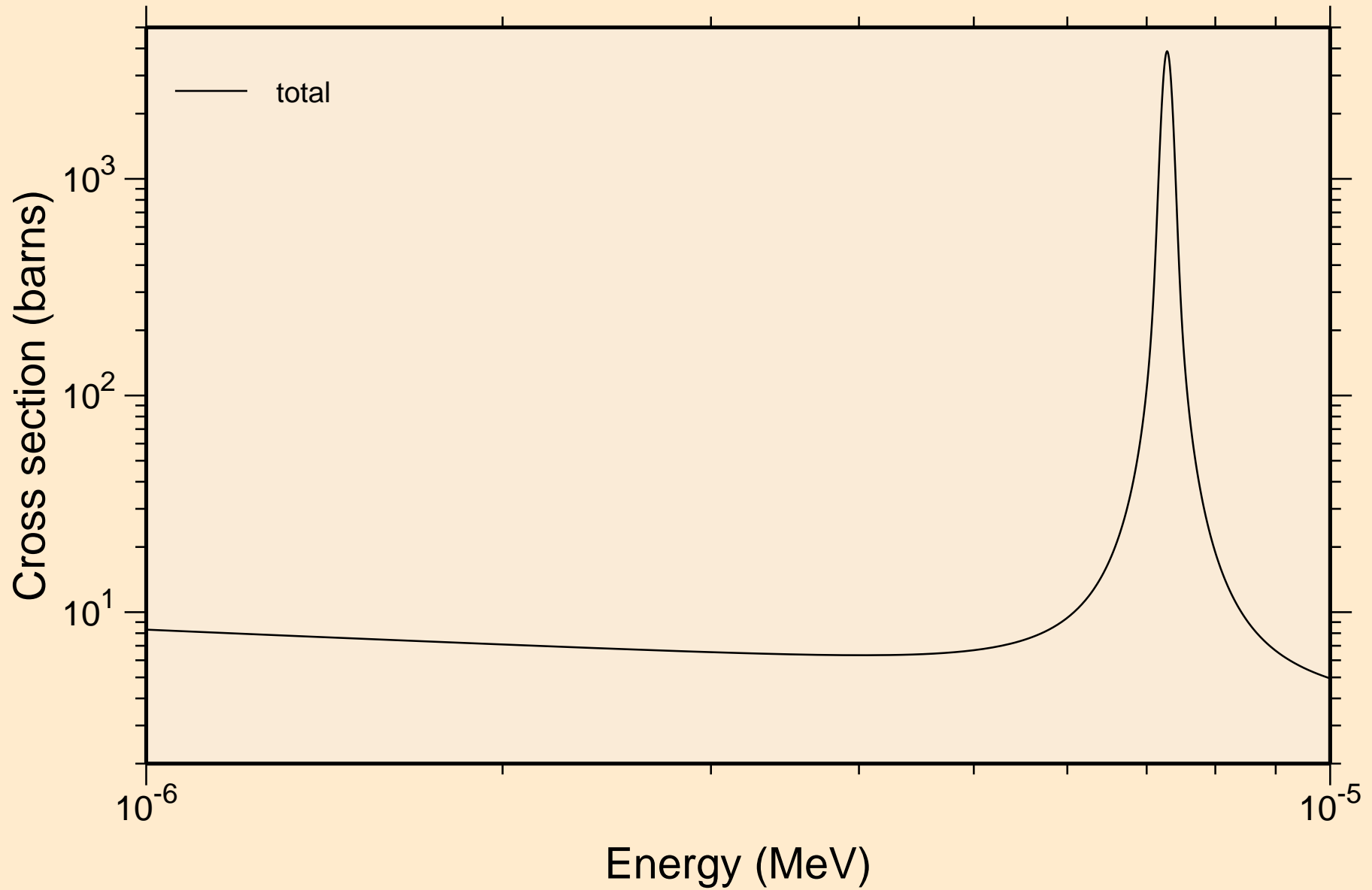


# IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

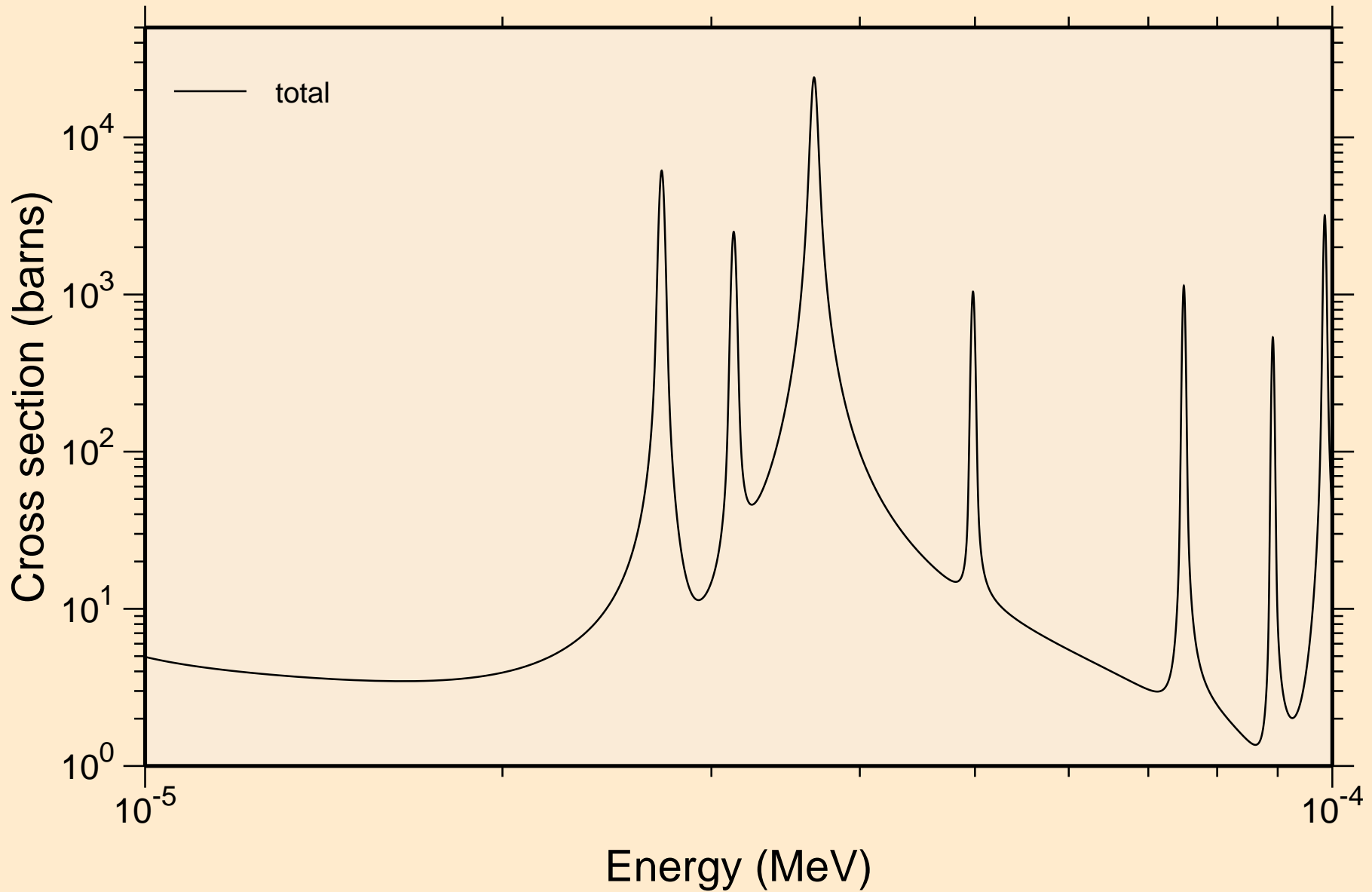
## Principal cross sections



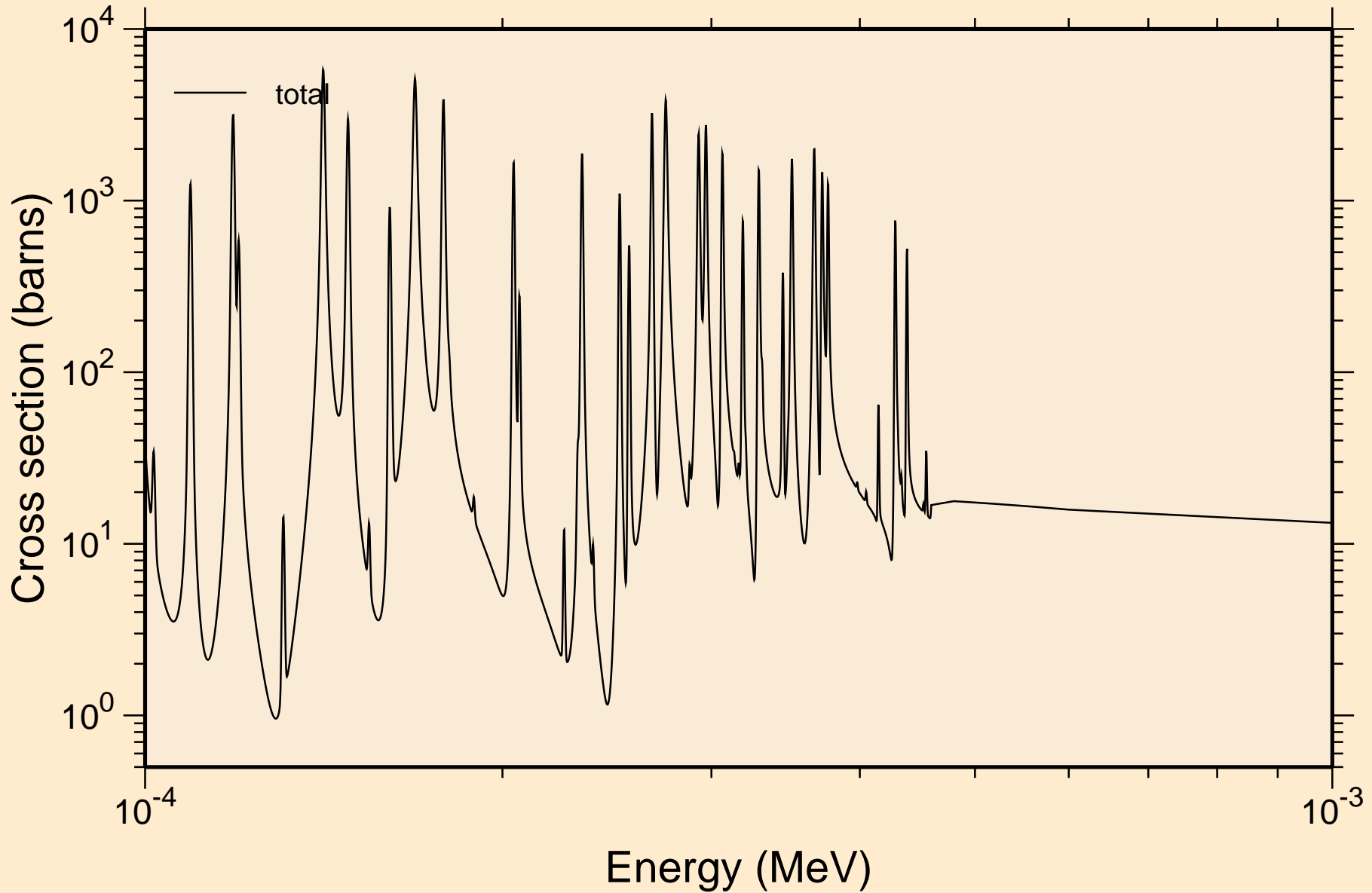
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



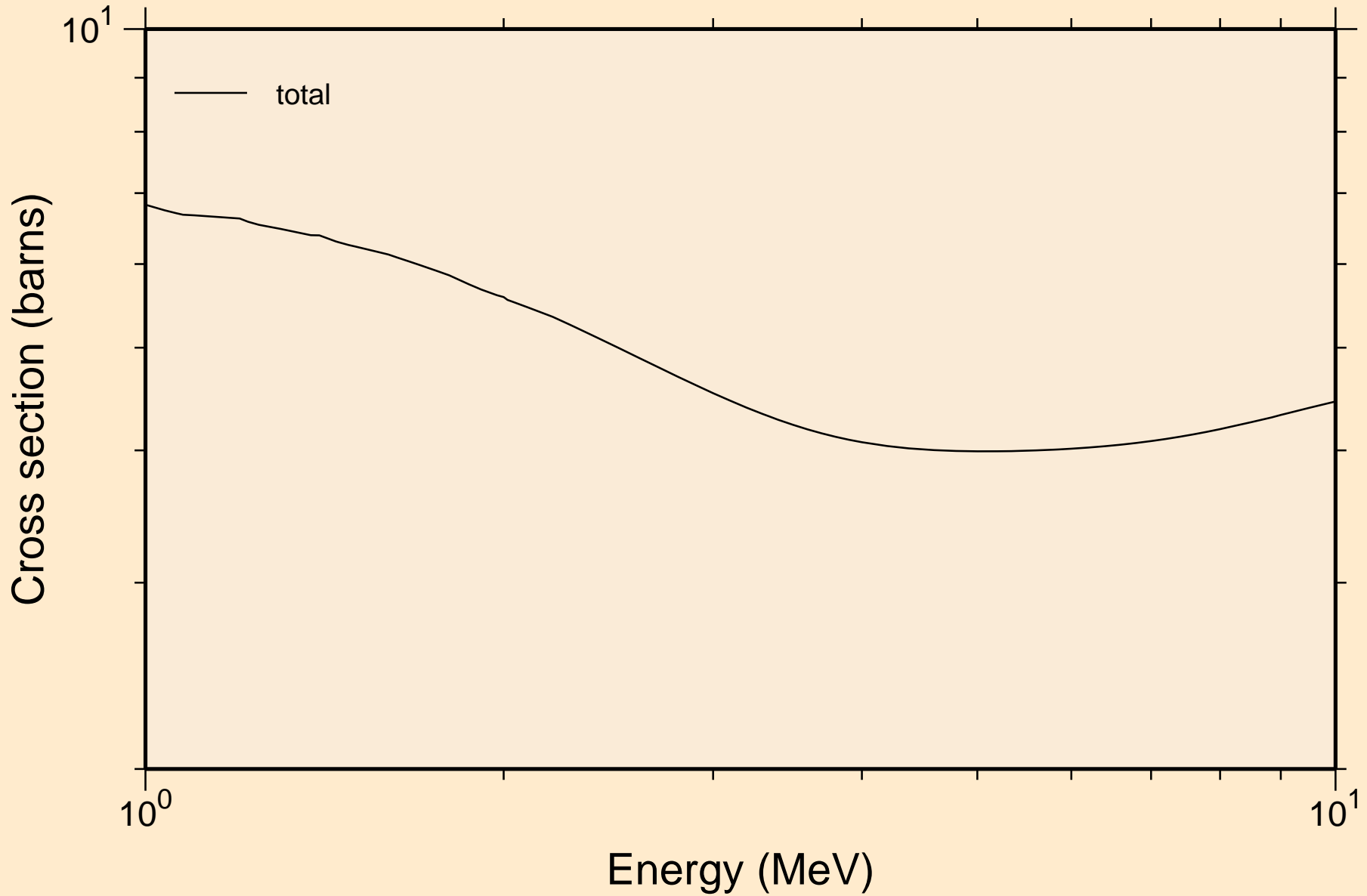
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



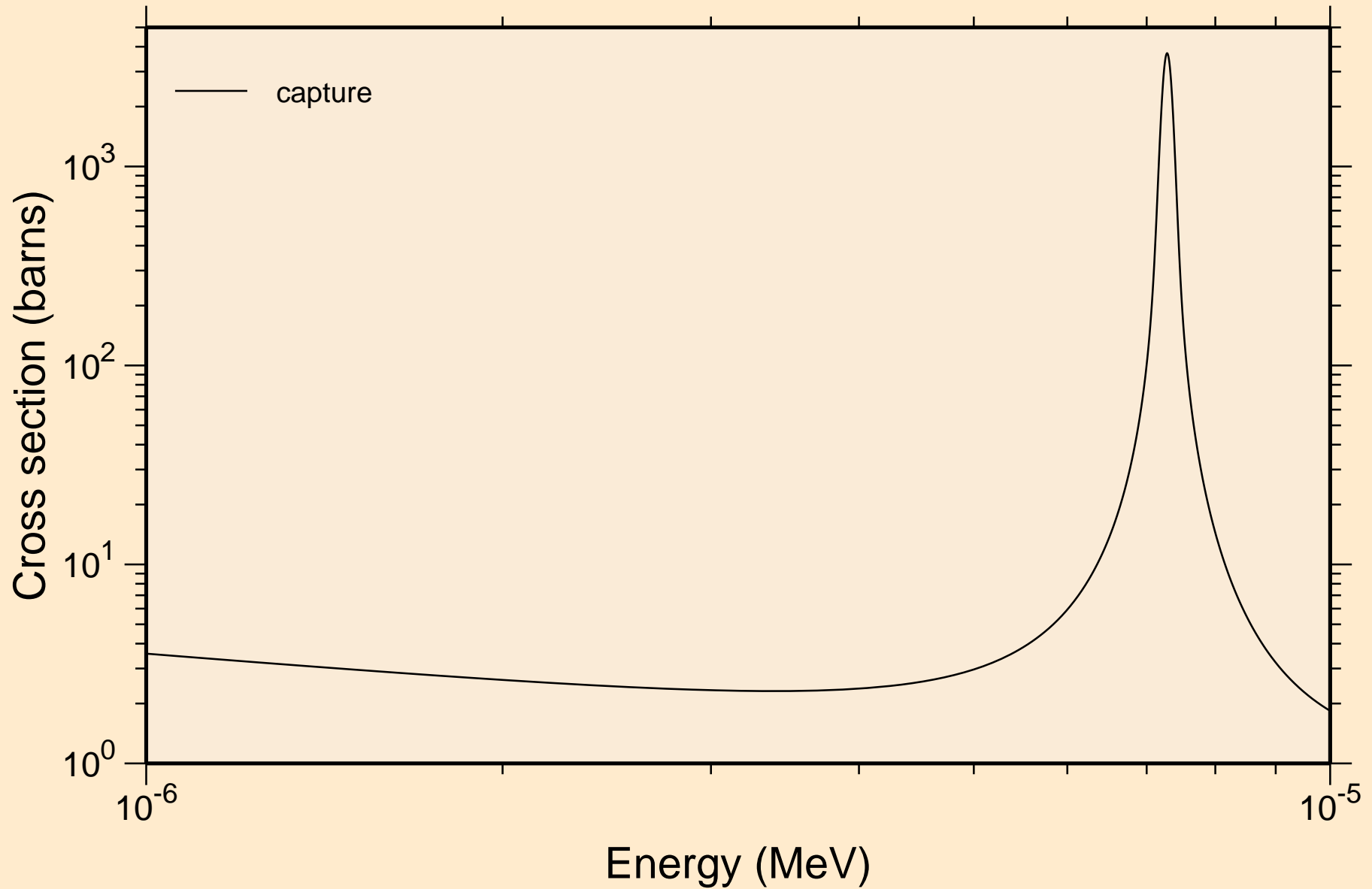
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



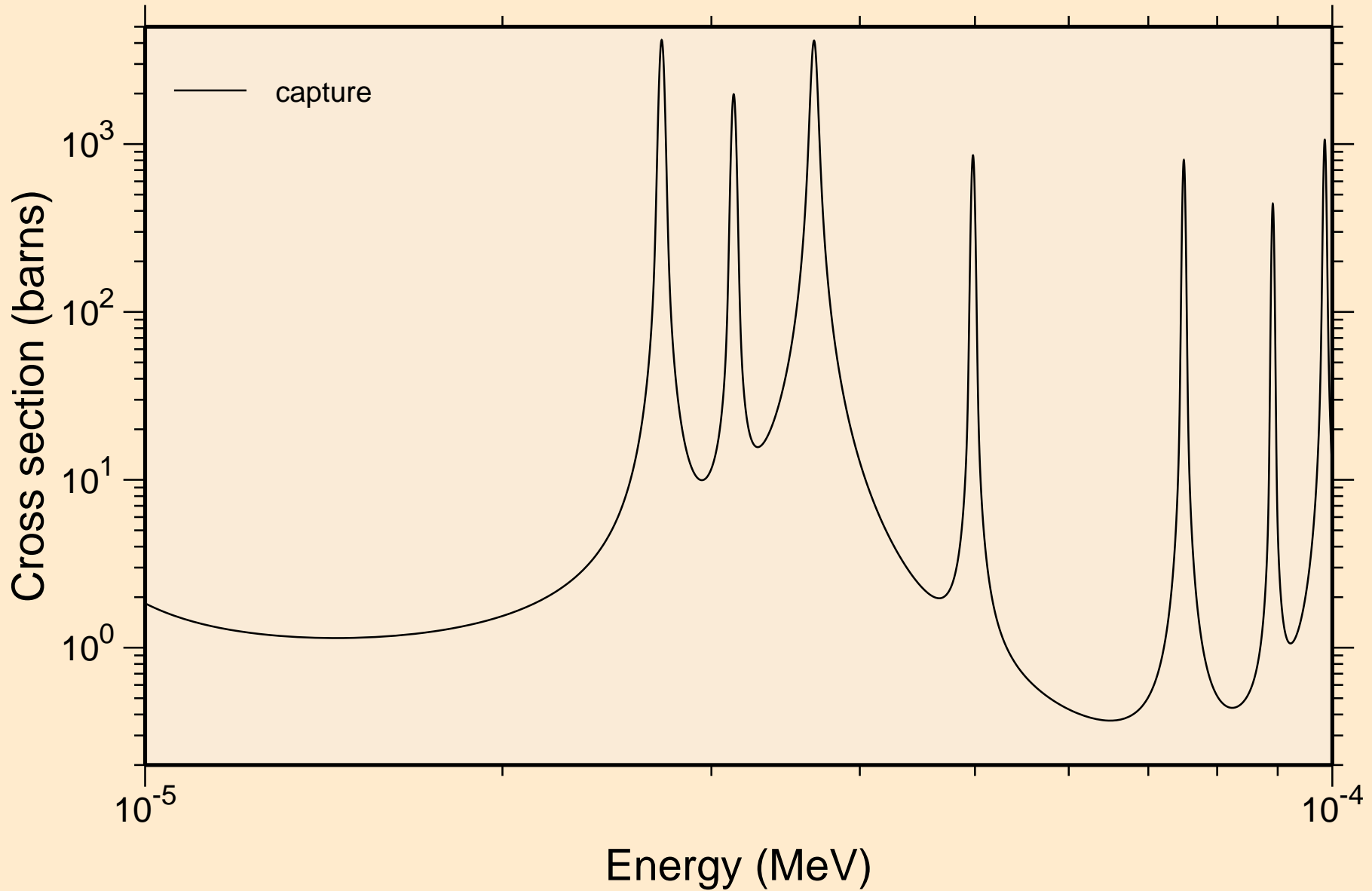
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



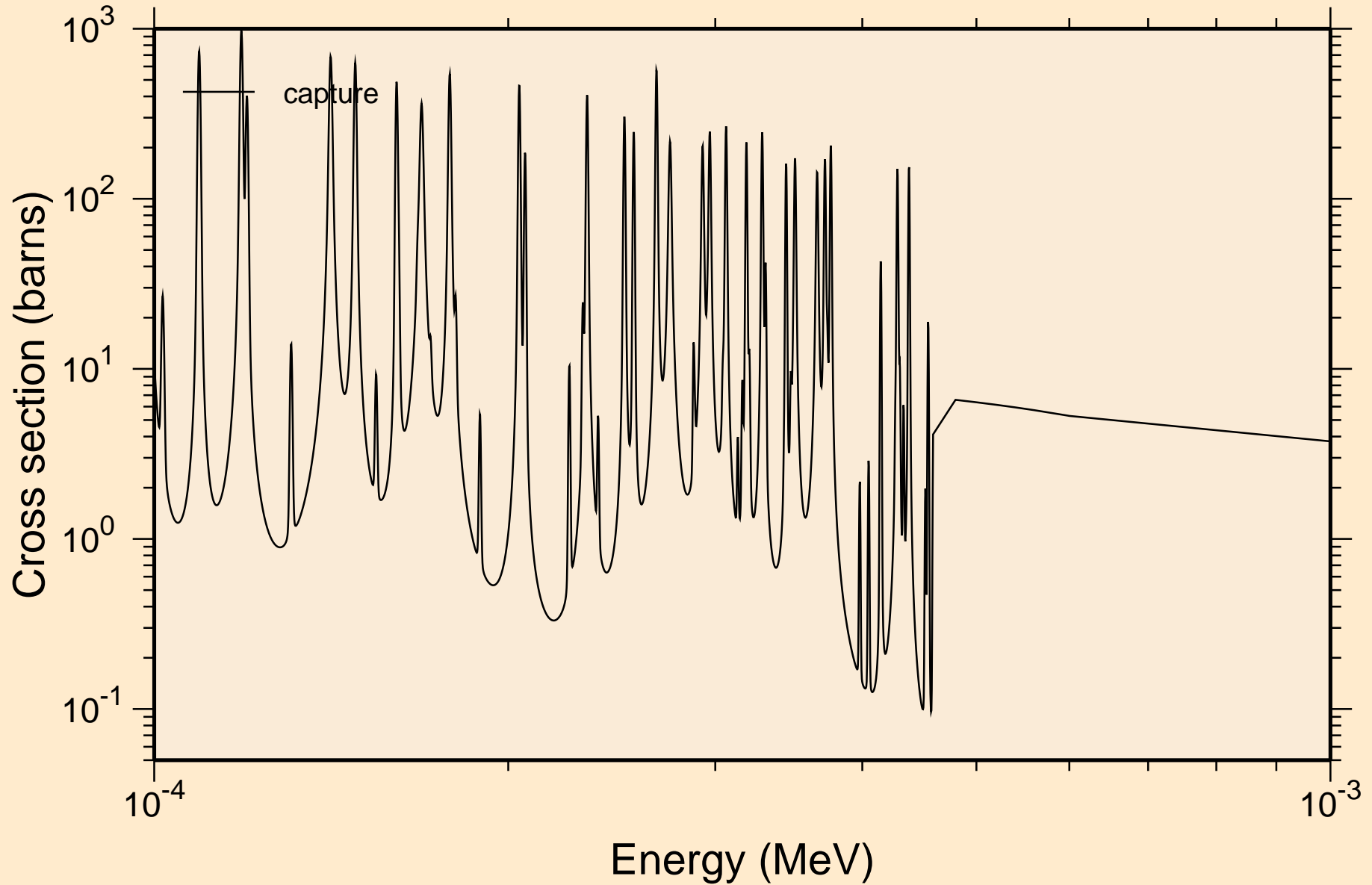
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

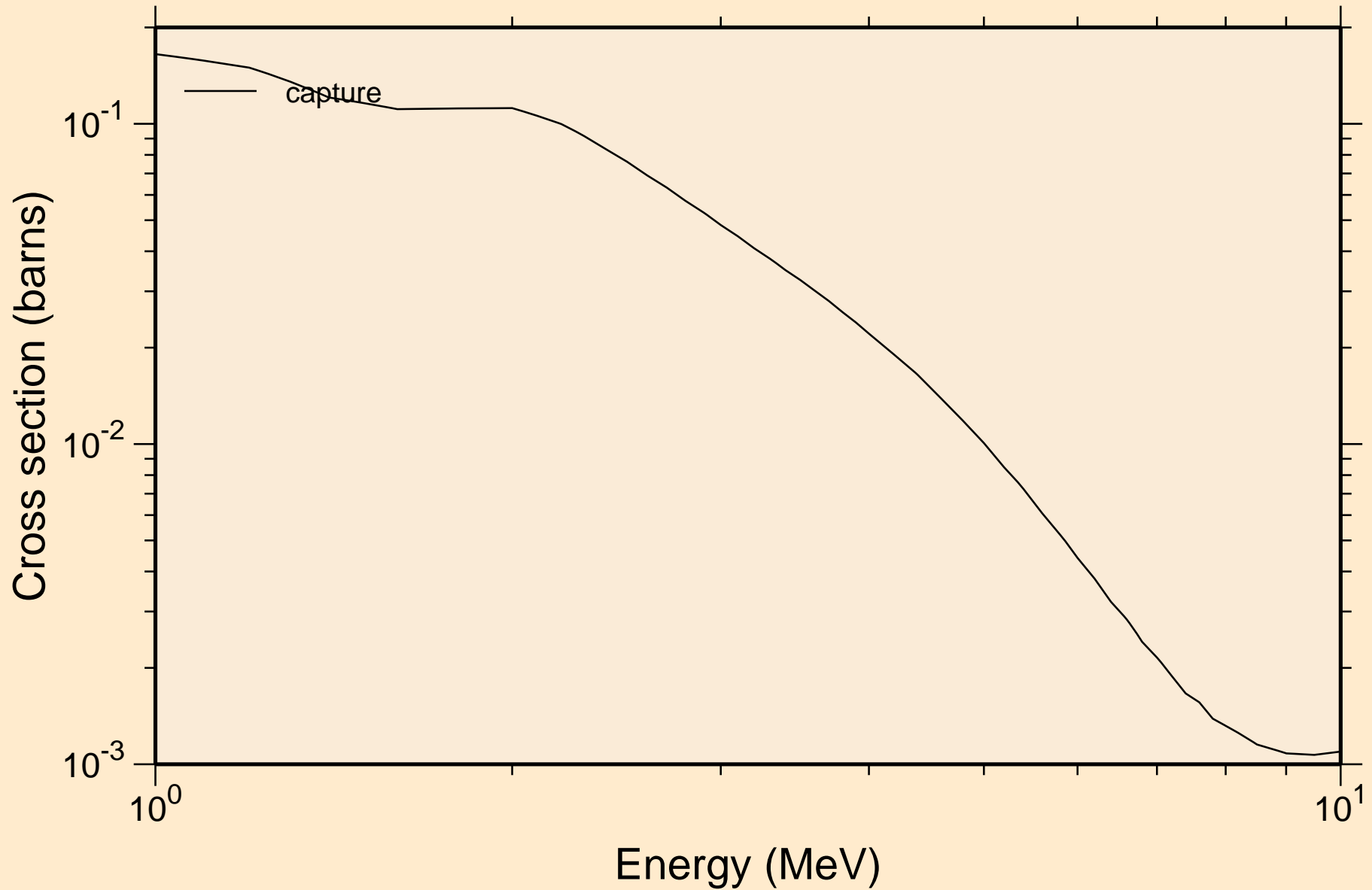


IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

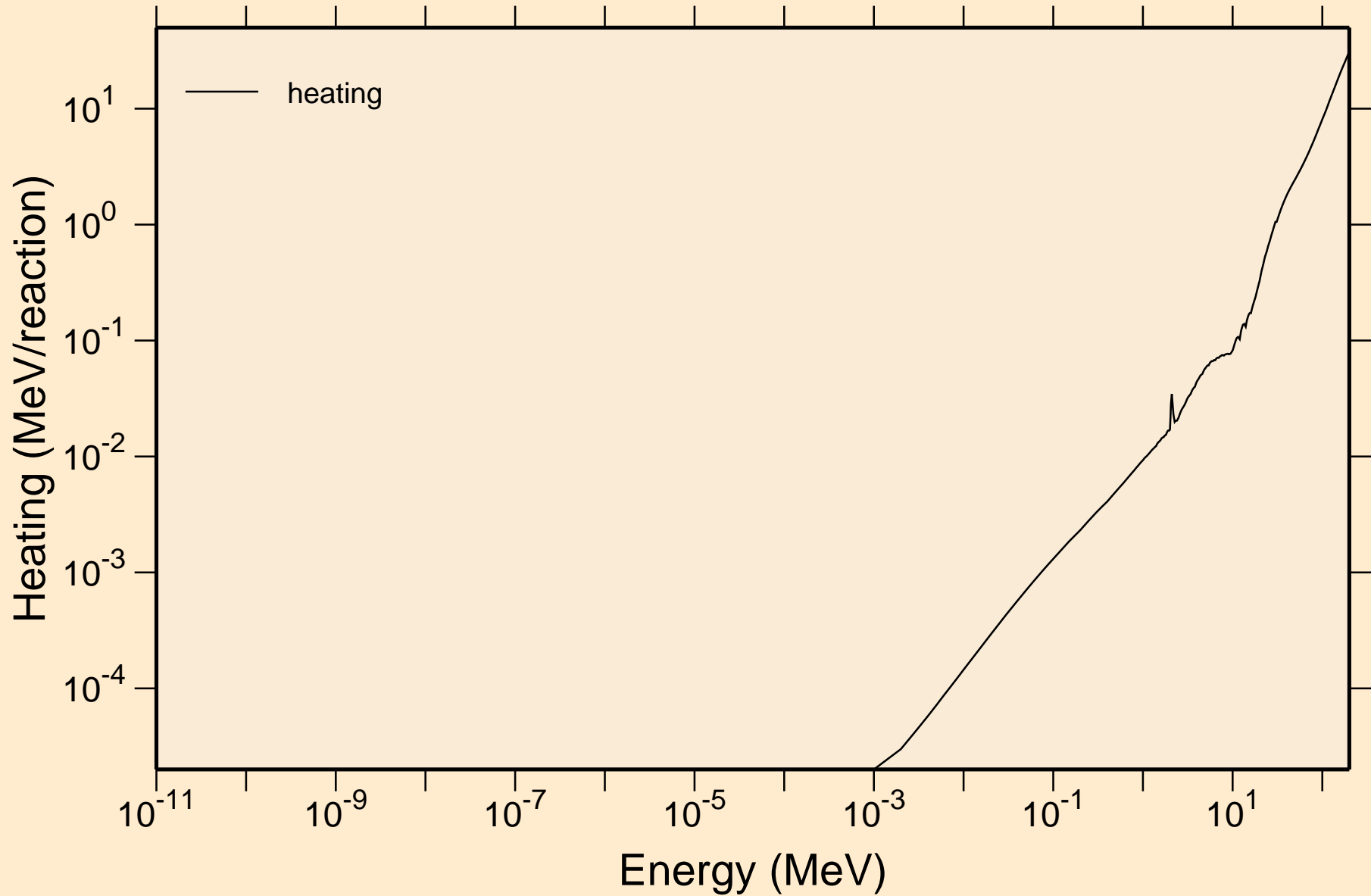




IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

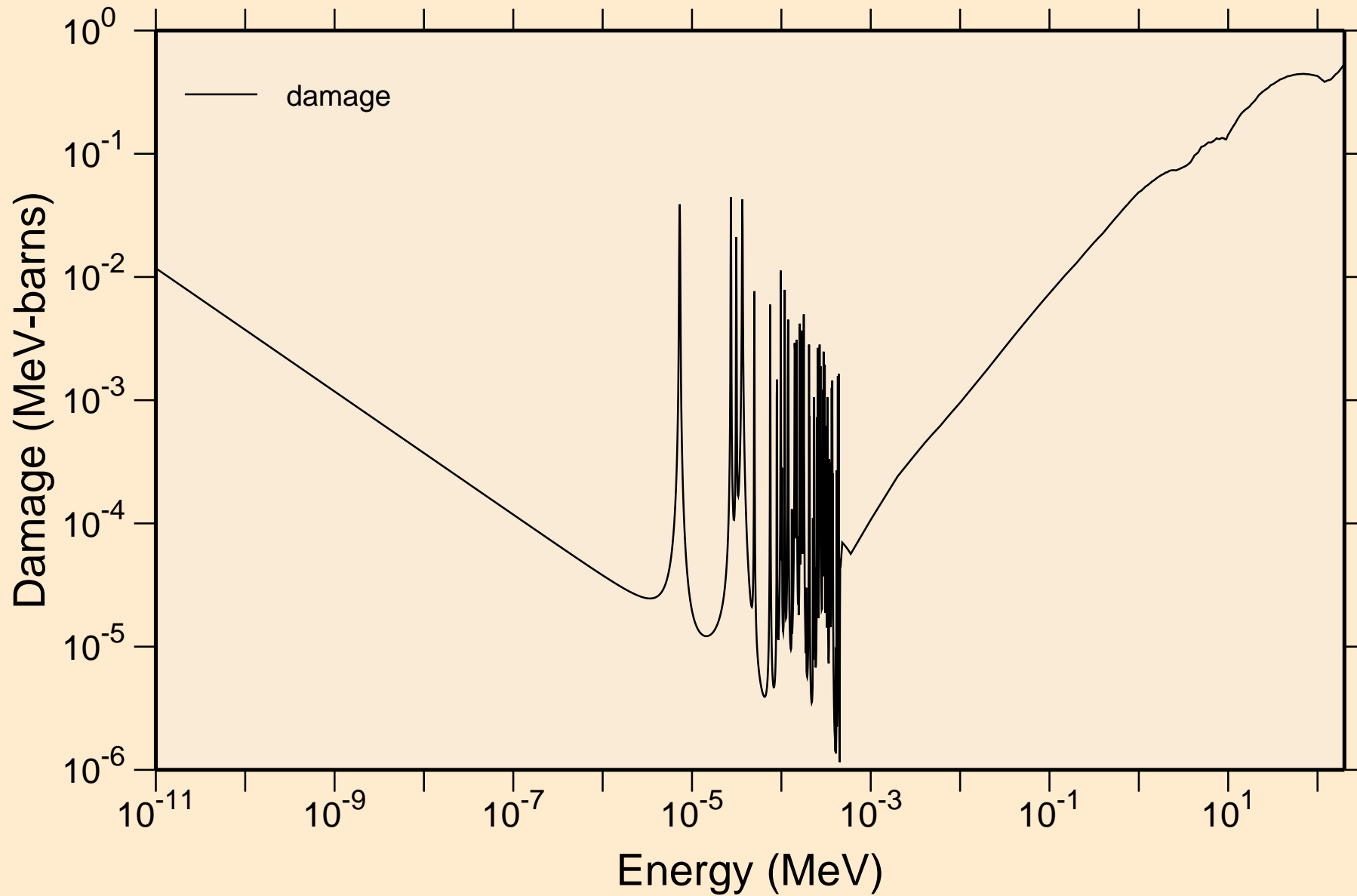


IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating

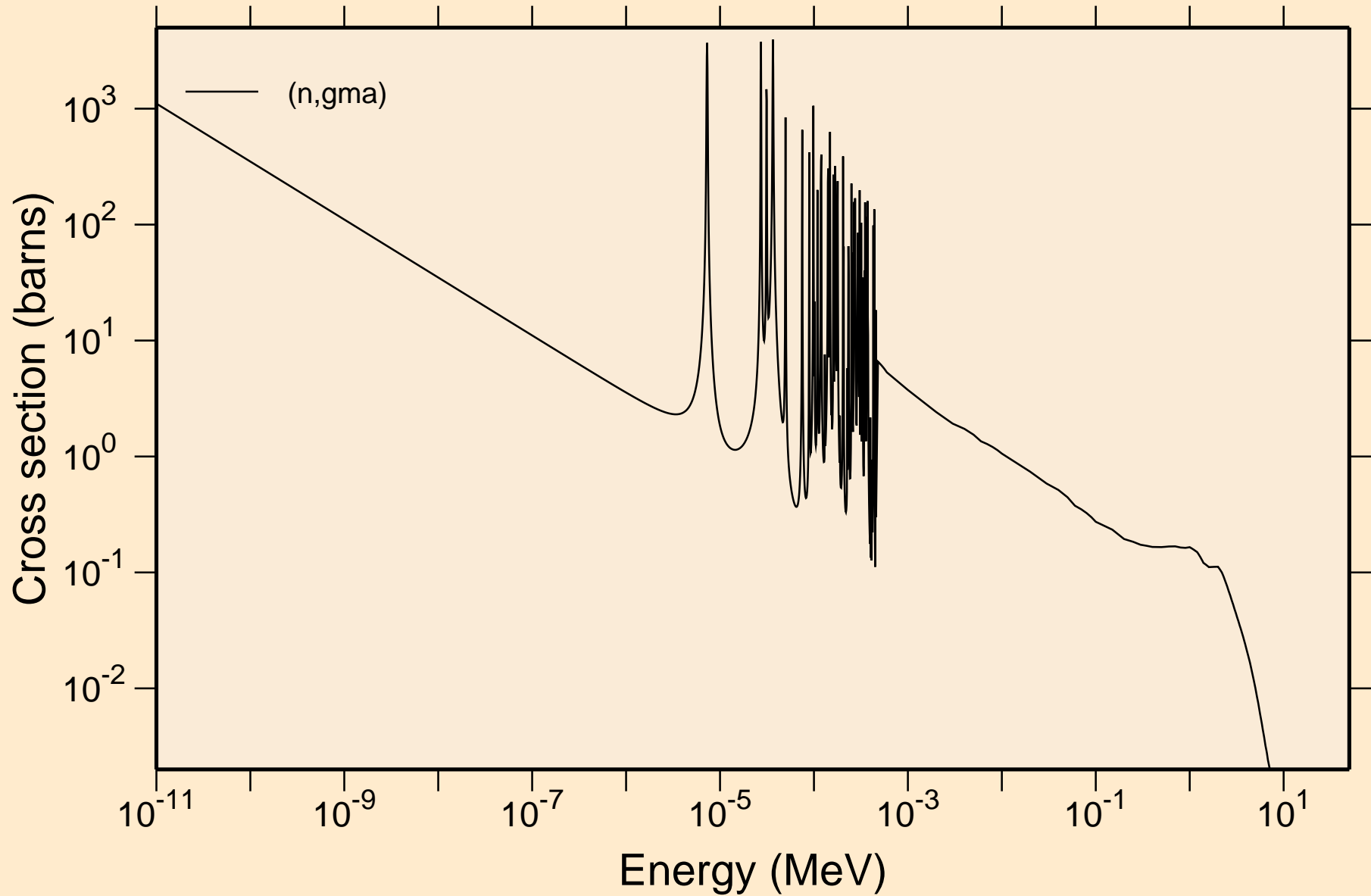


# IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

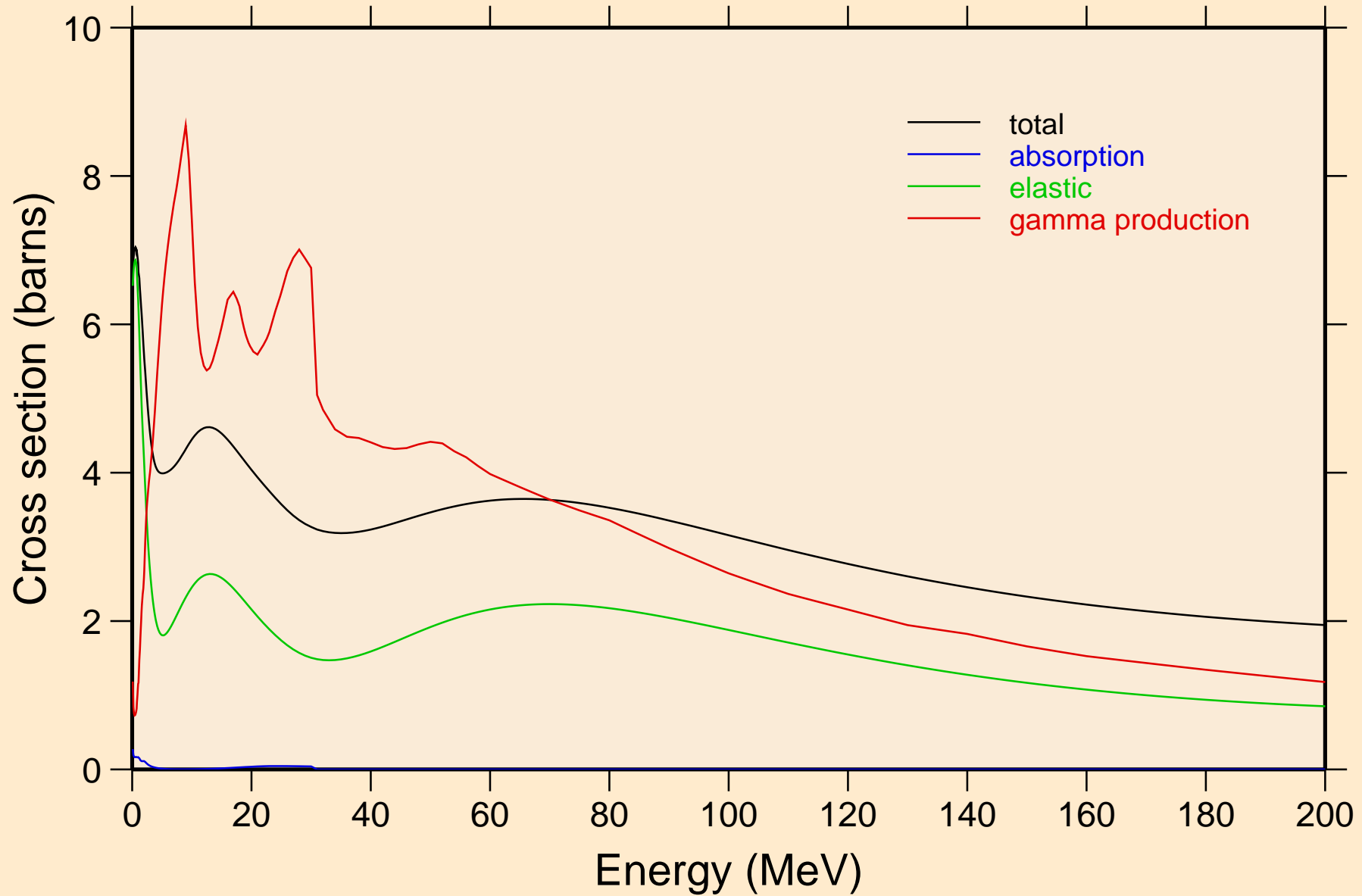
## Damage



IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

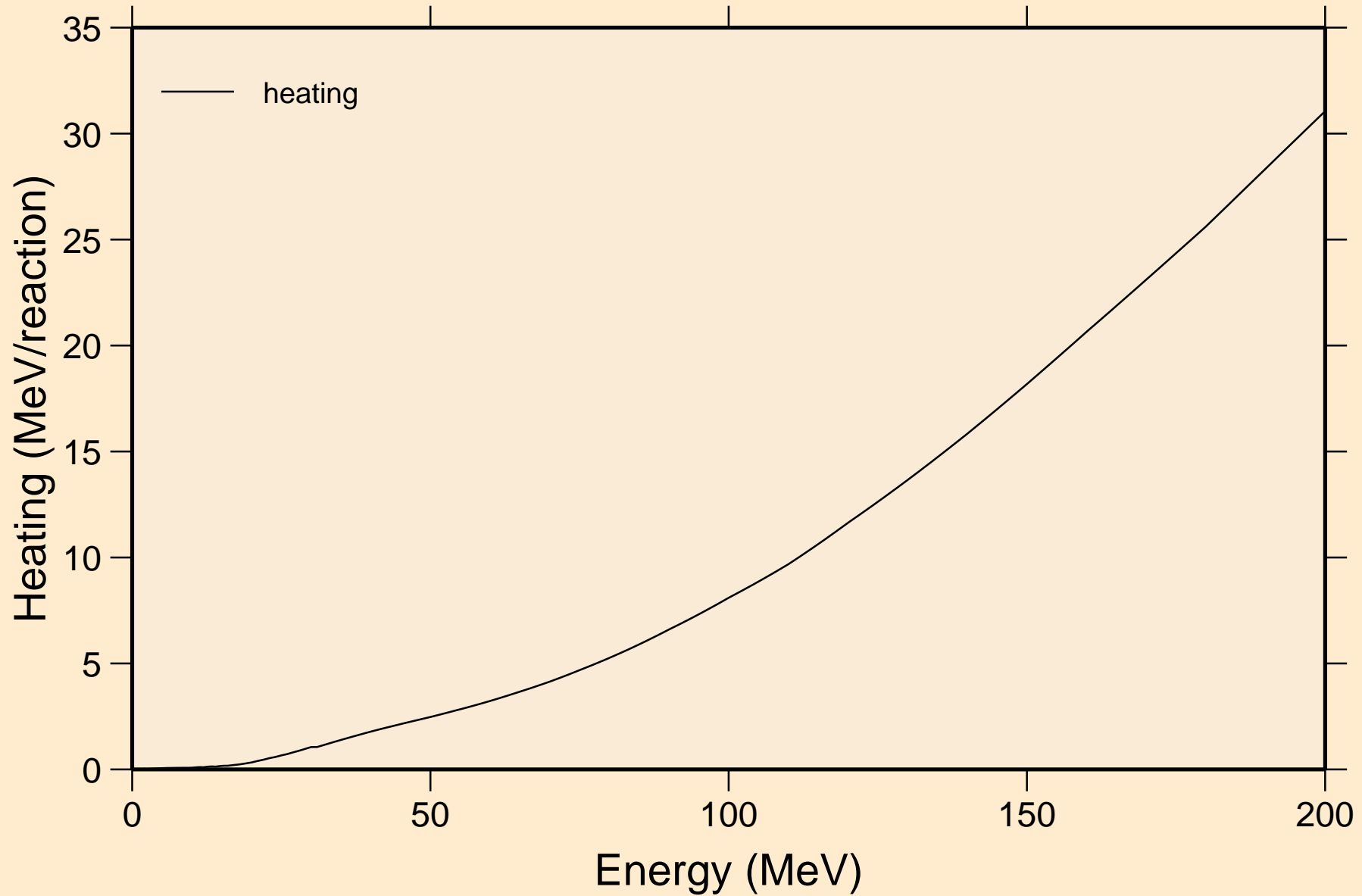


IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections

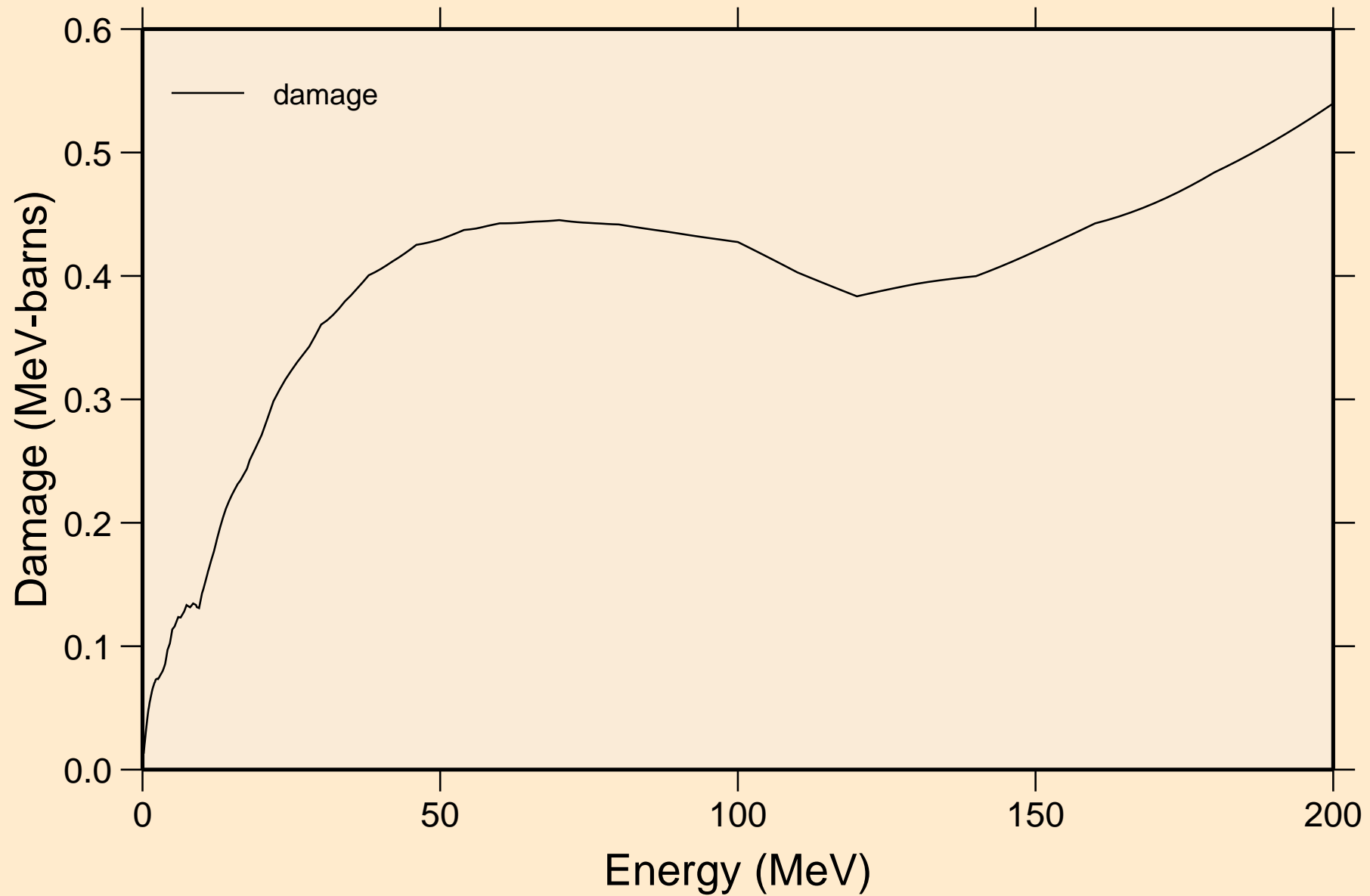


IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

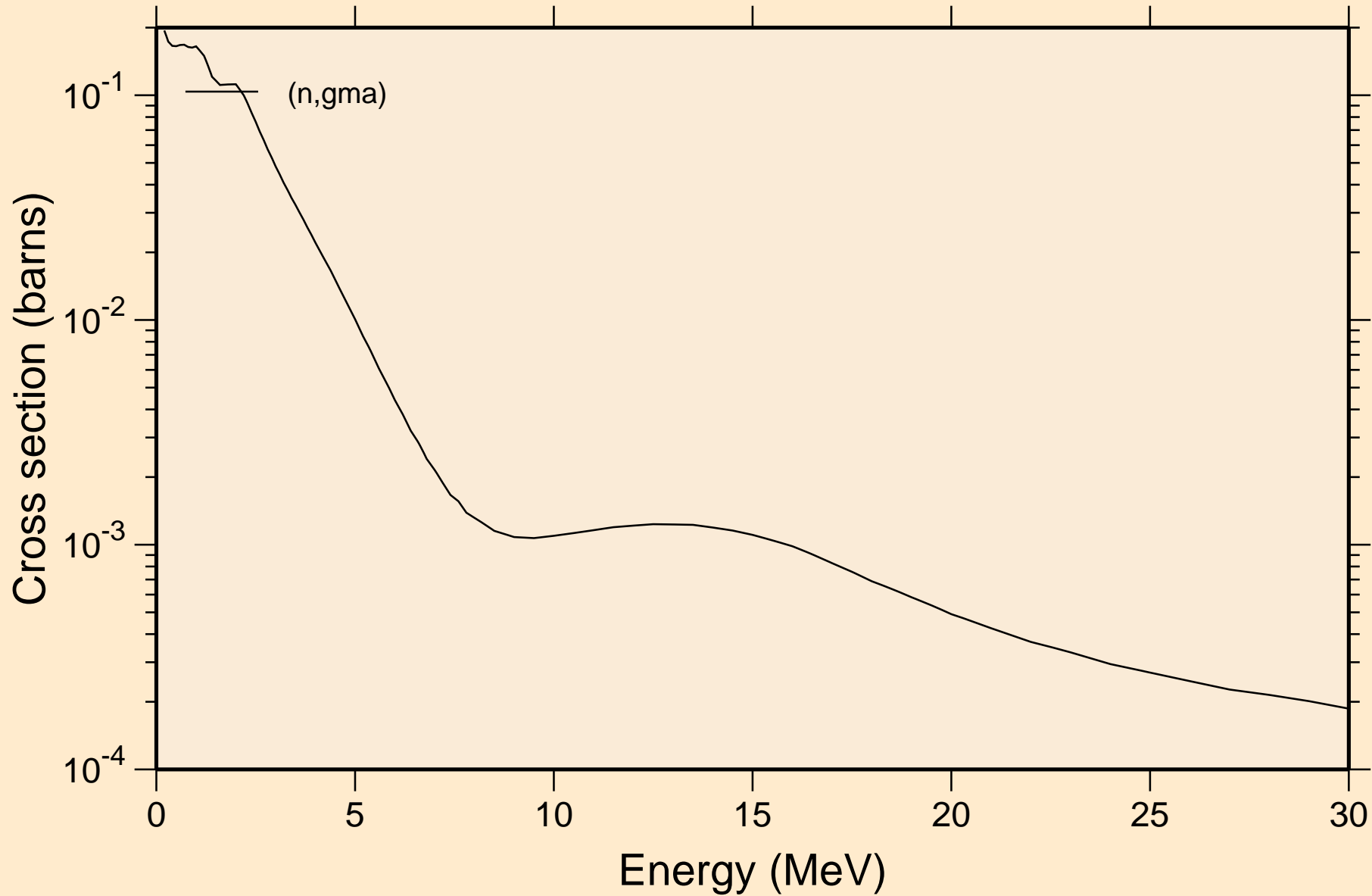
Heating



IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

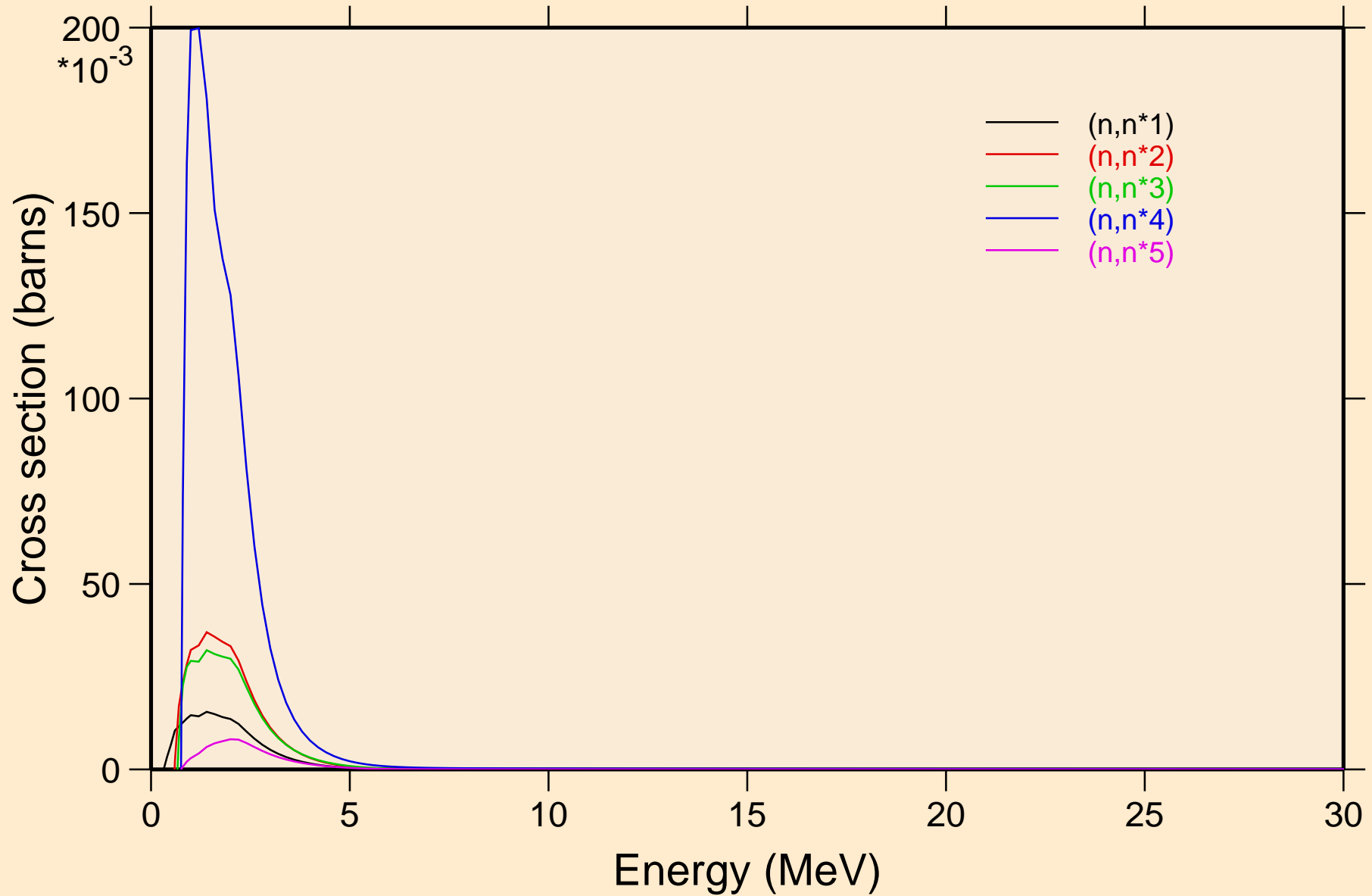


IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

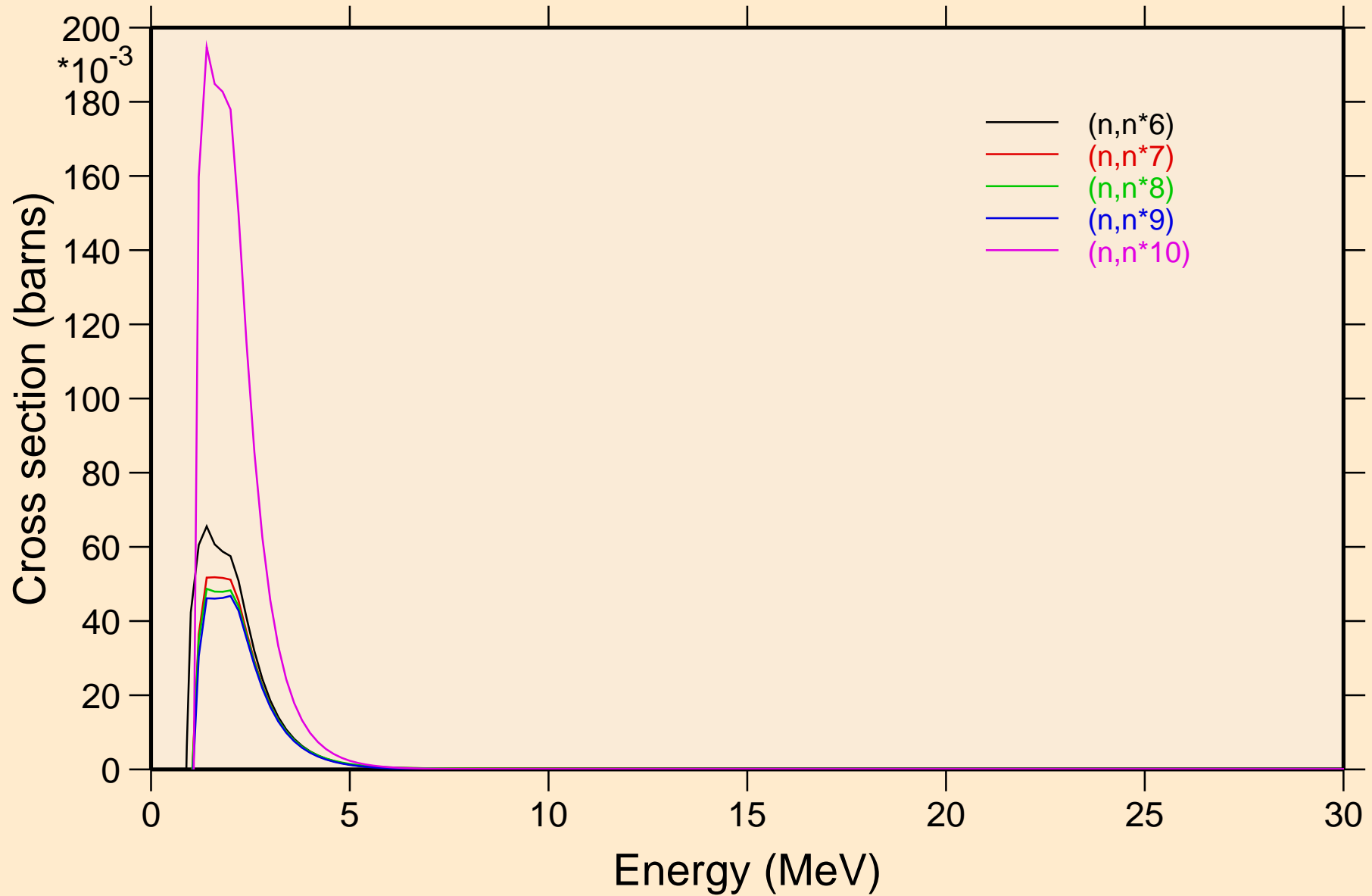




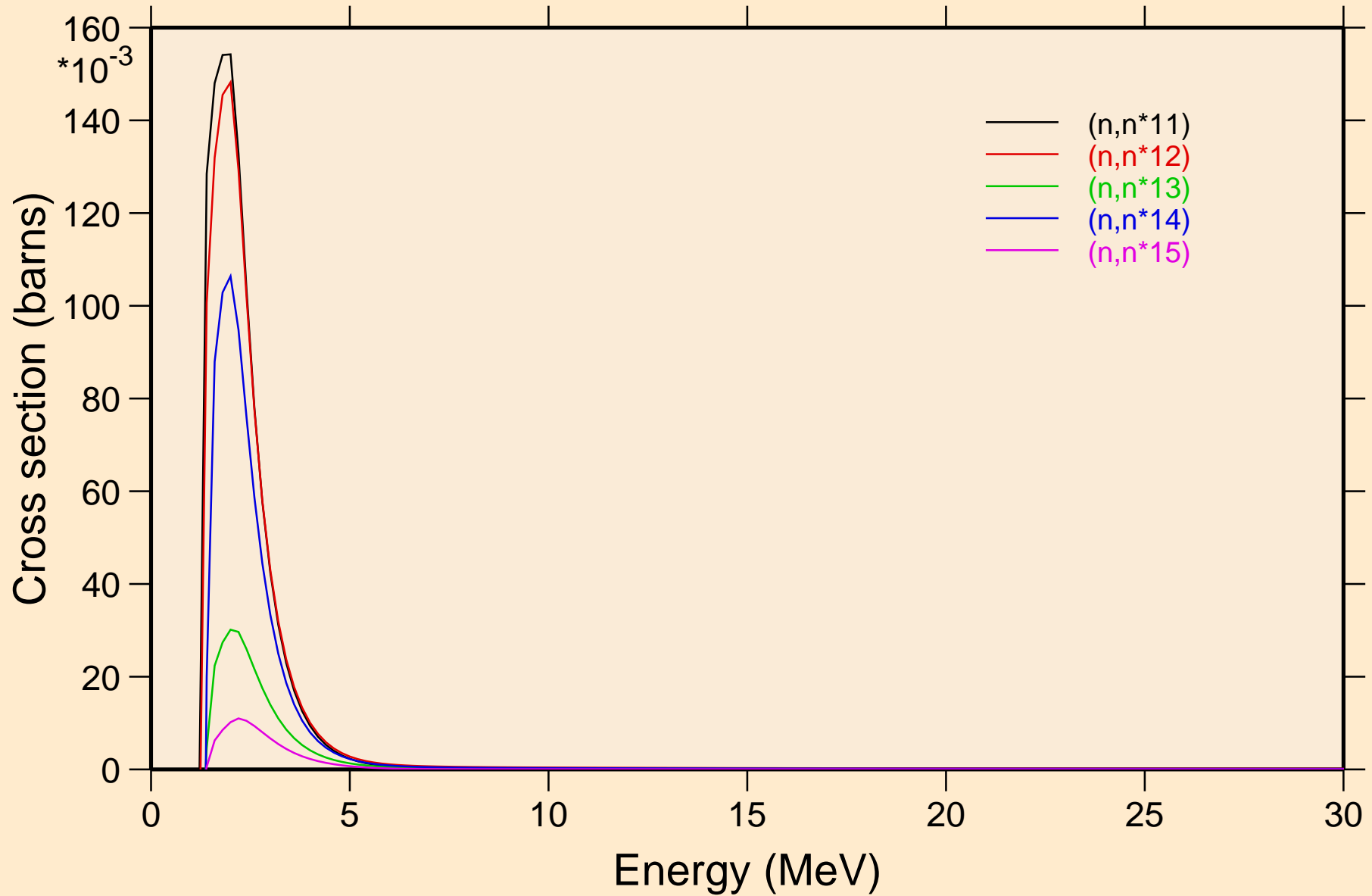
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



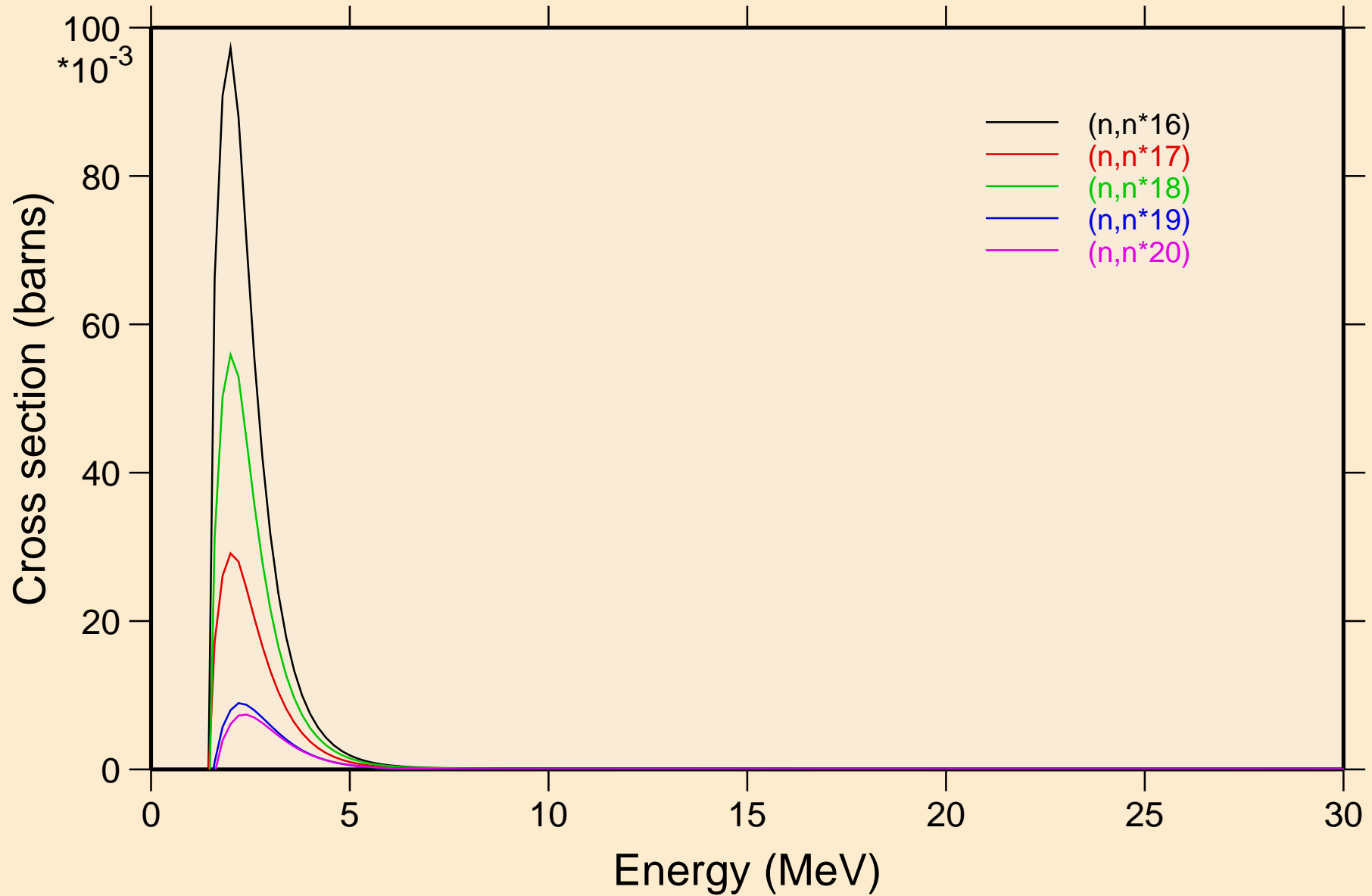
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



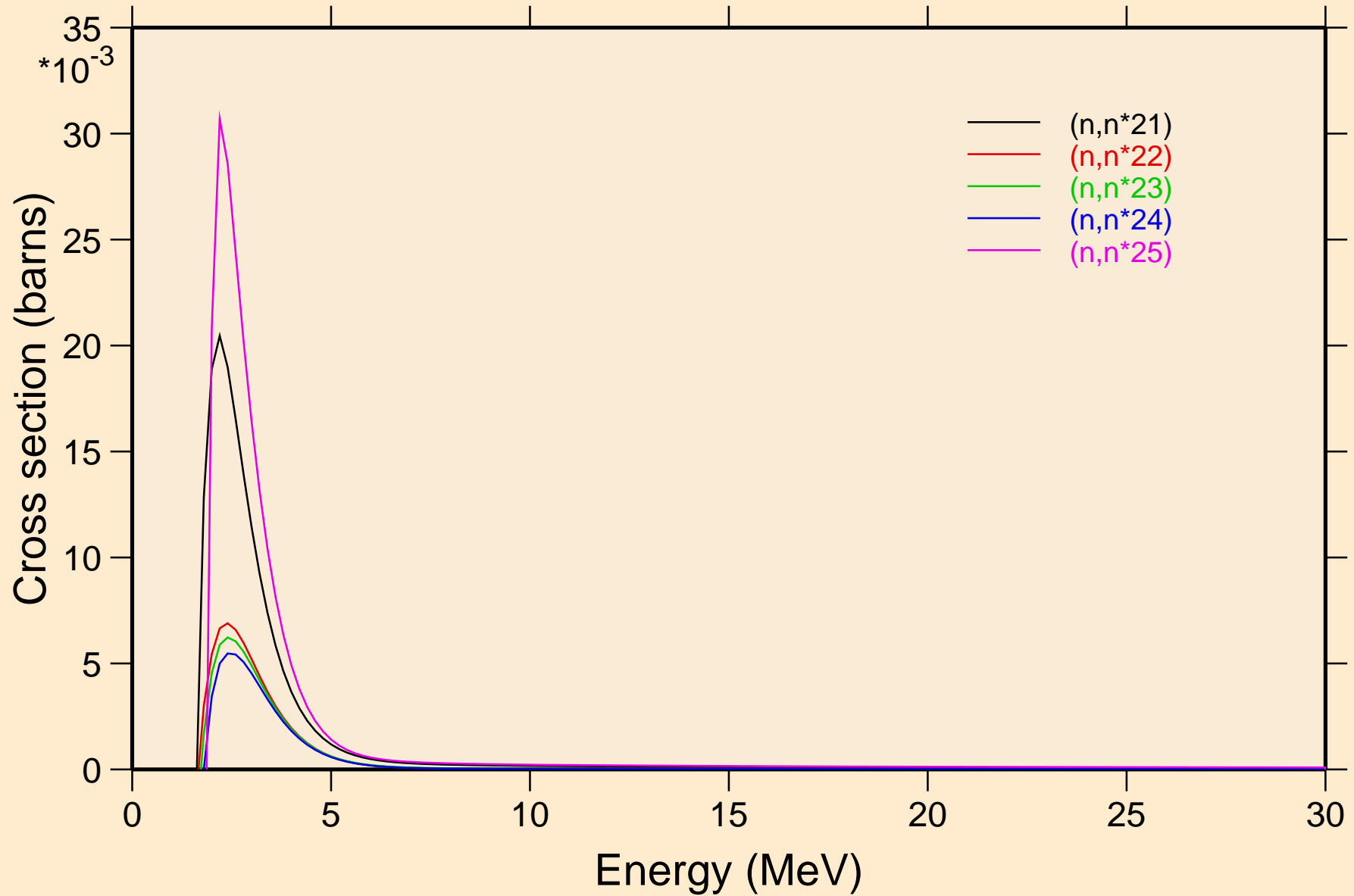
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



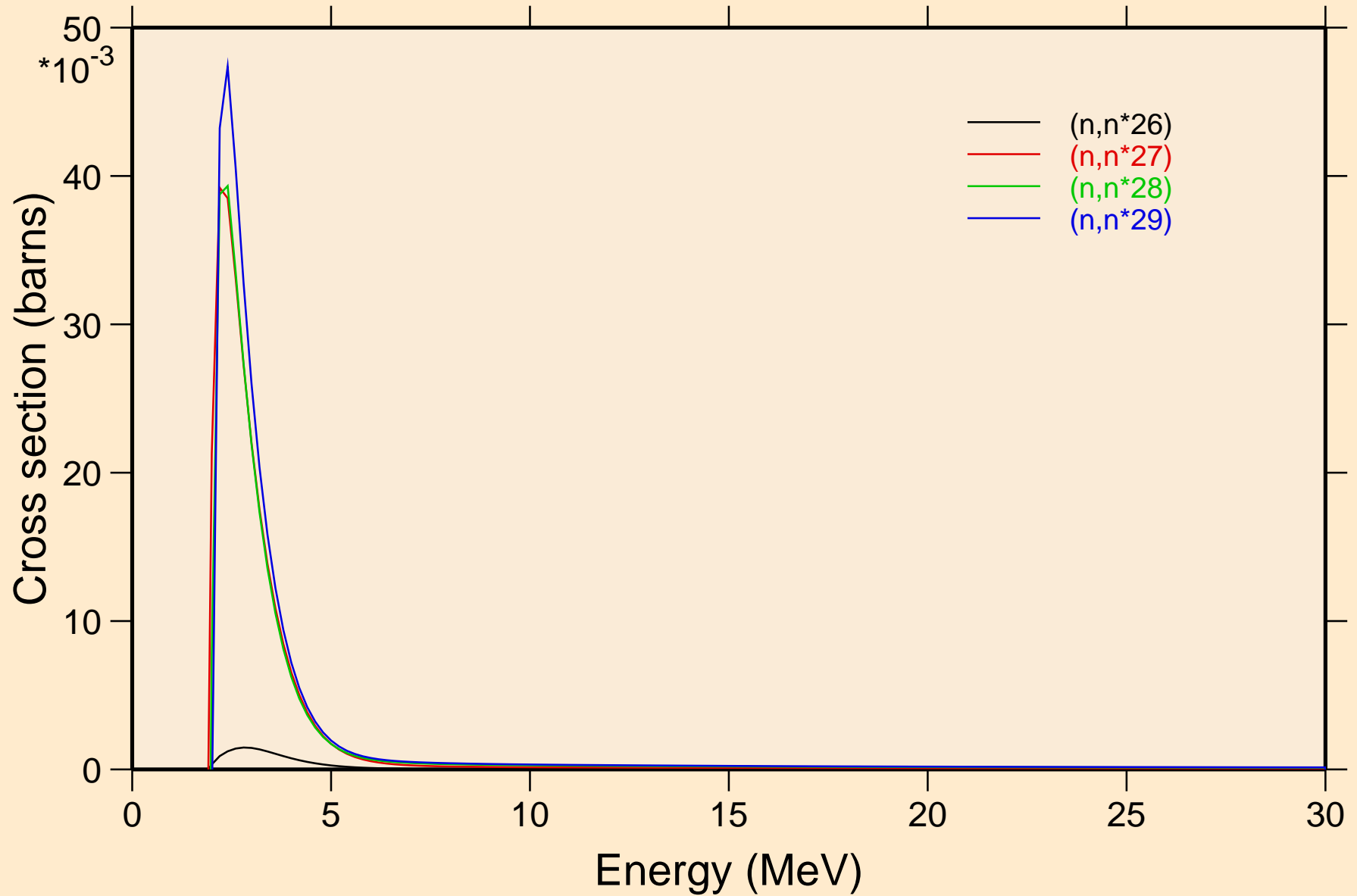
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



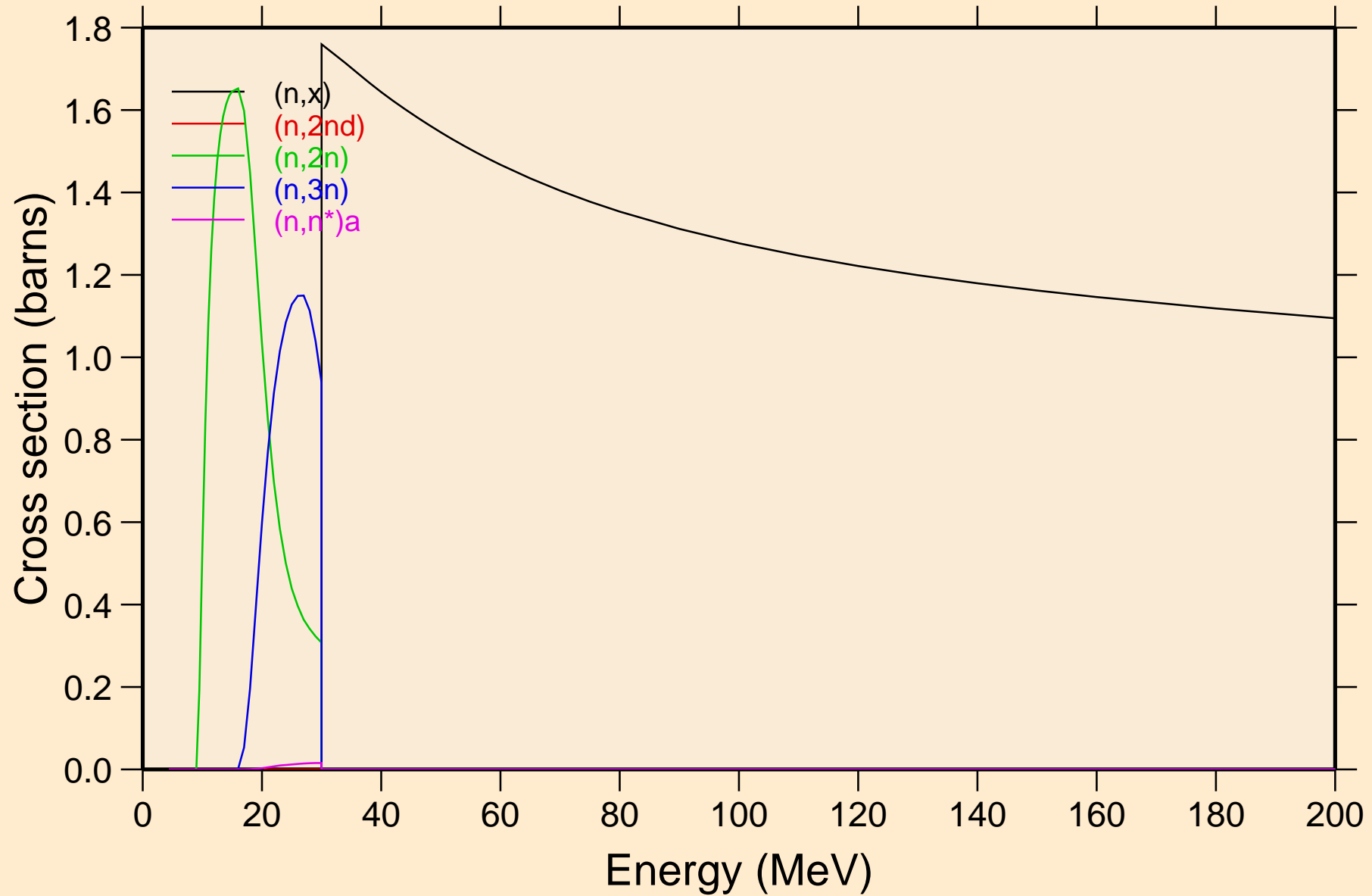
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



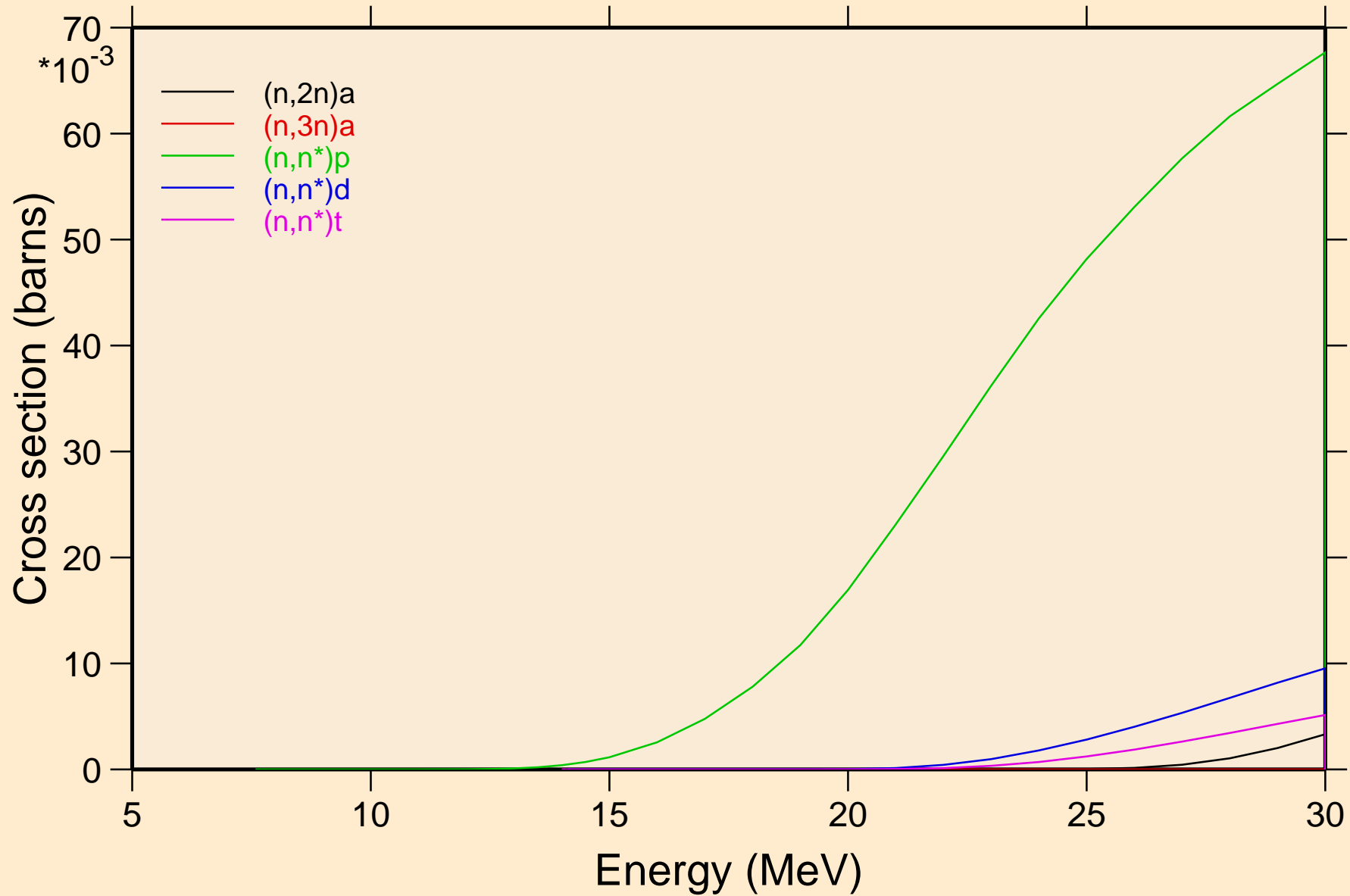
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

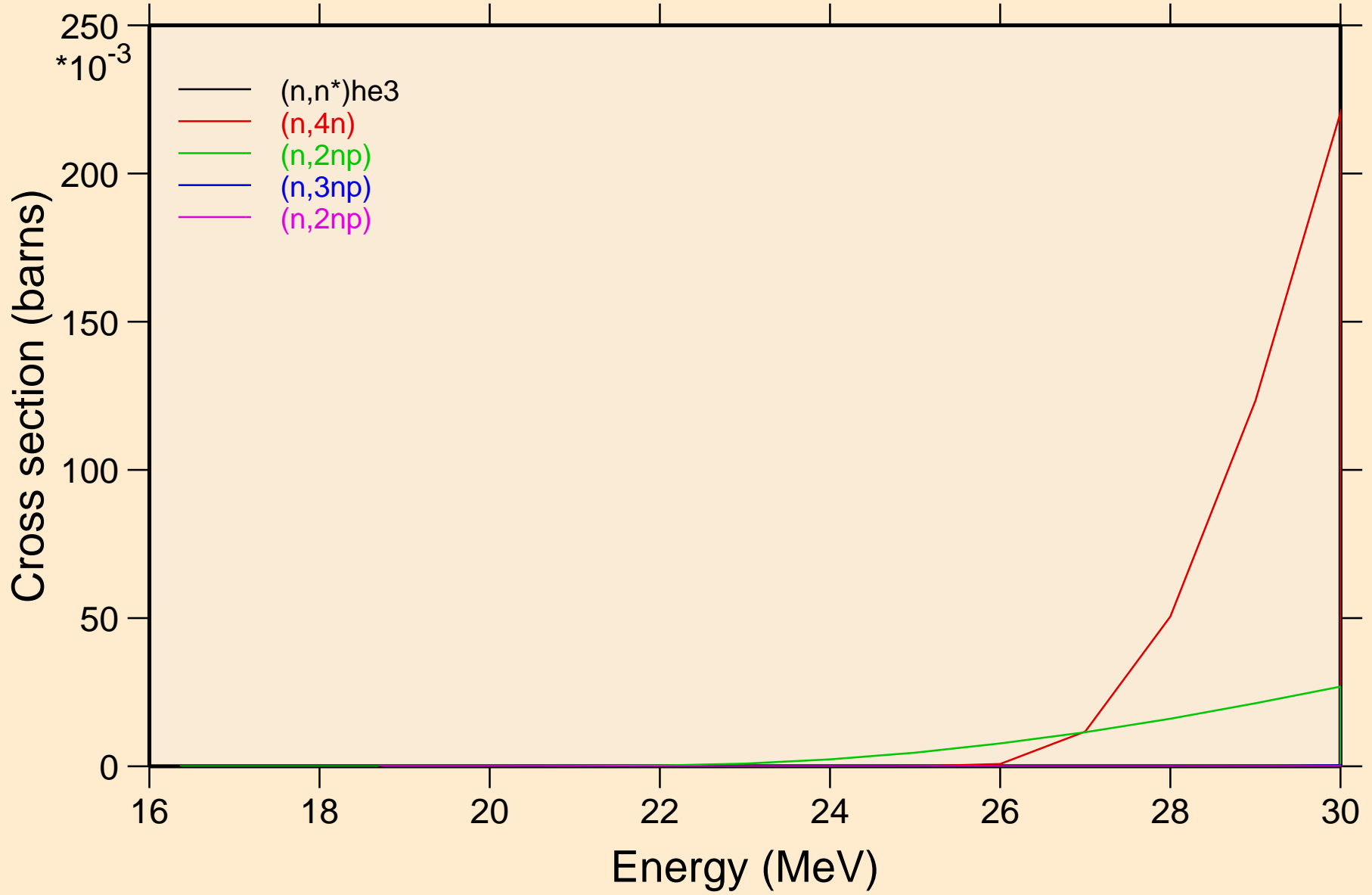


IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



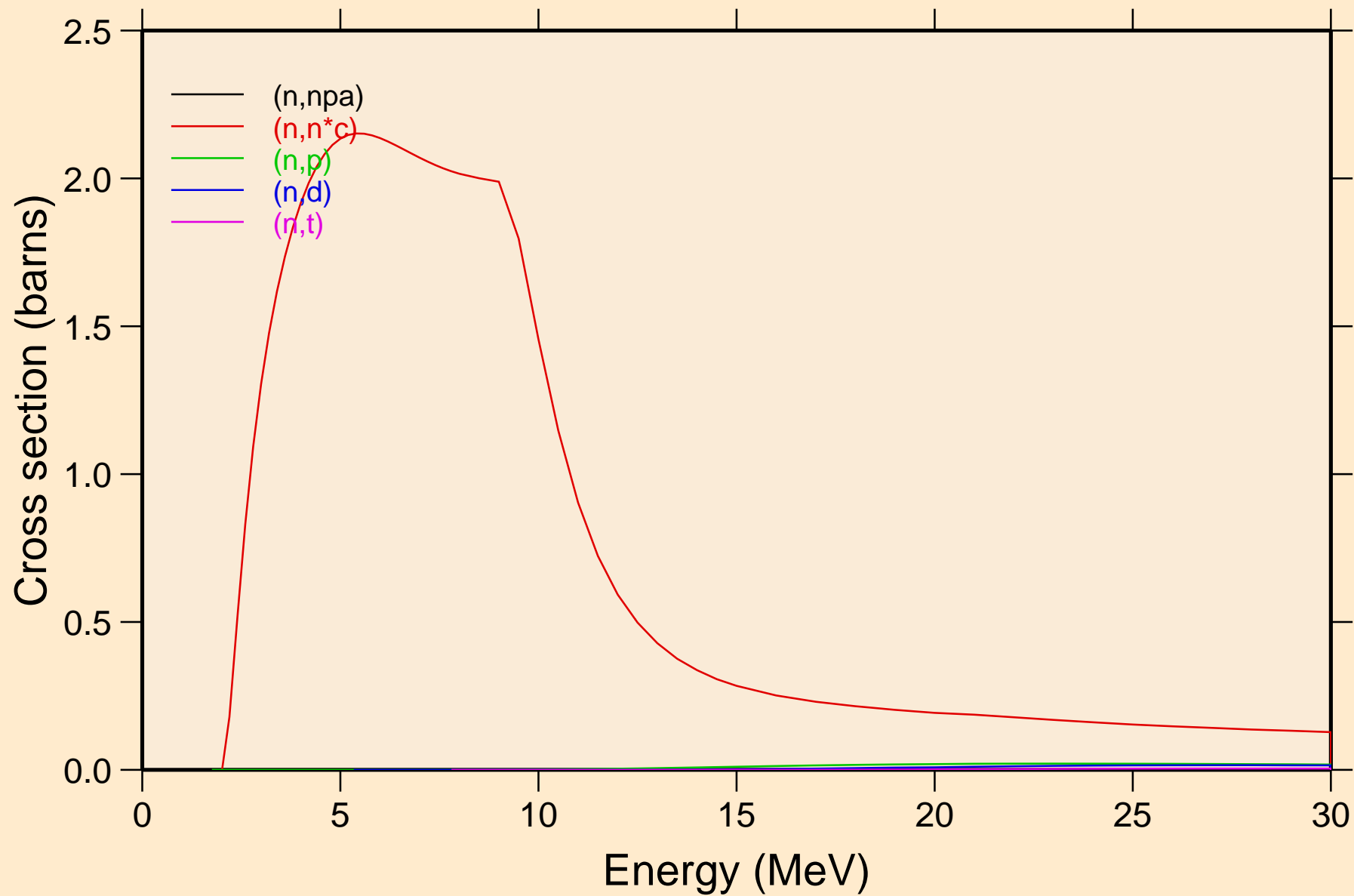


IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

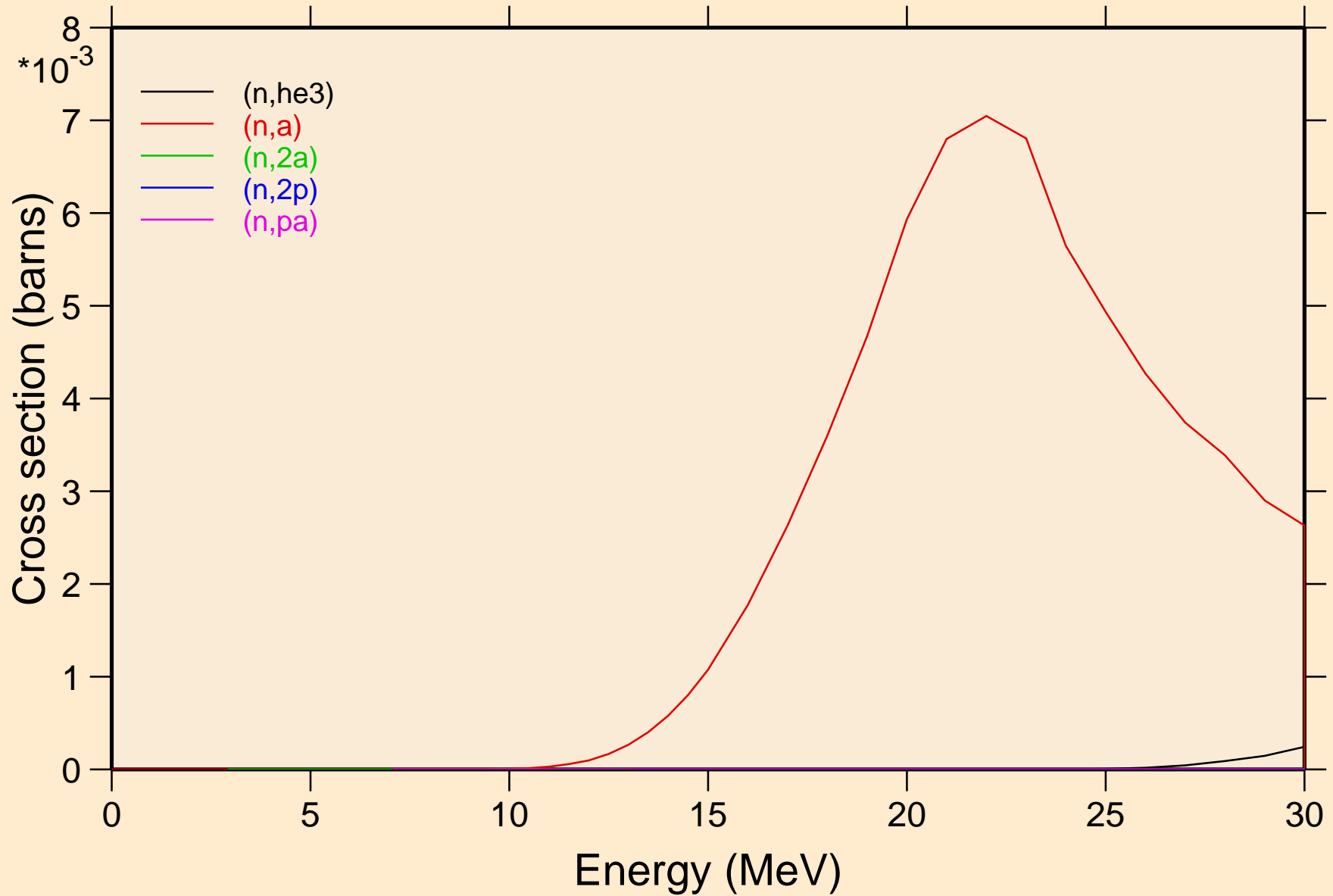


# IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

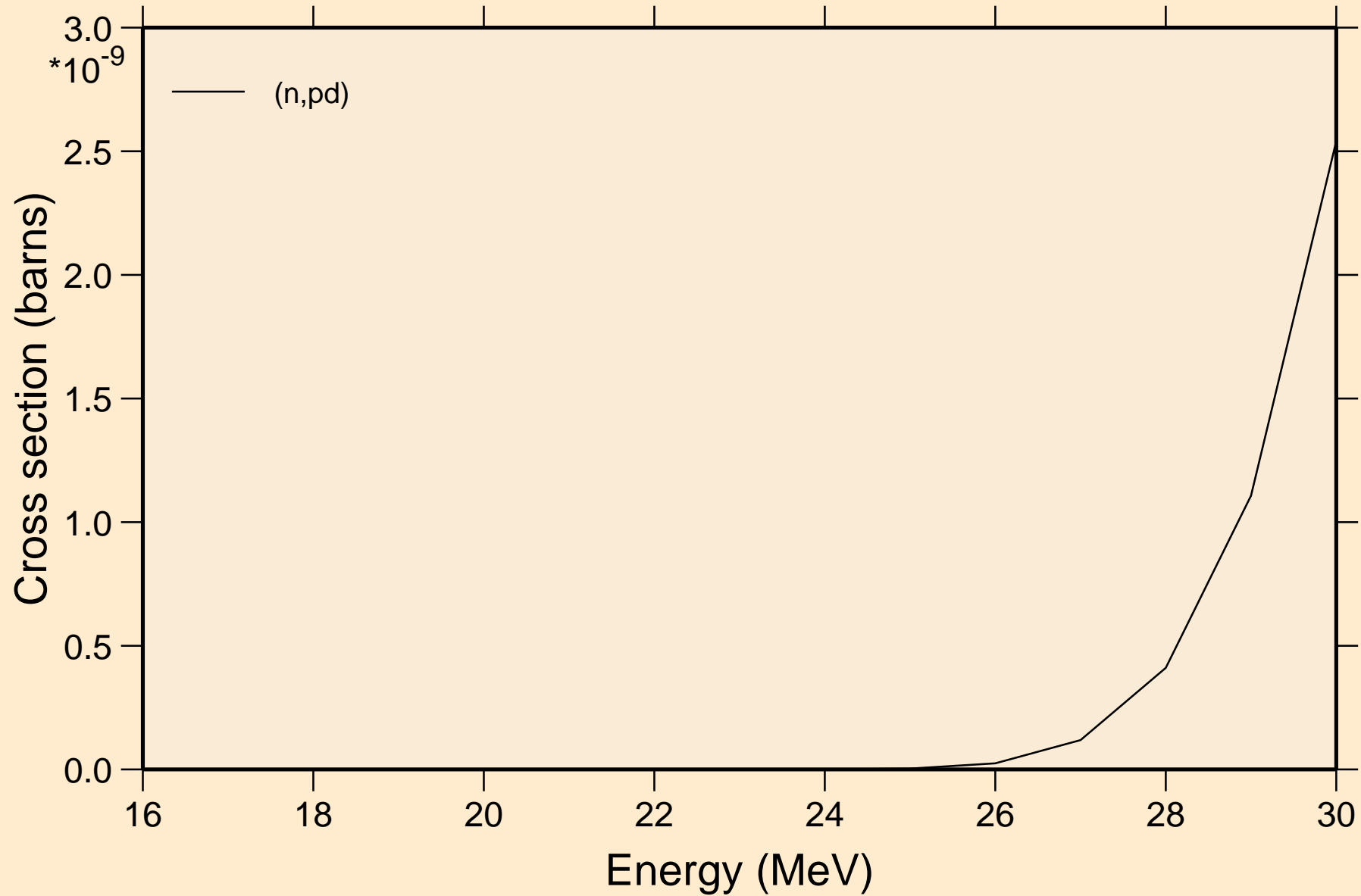
## Threshold reactions



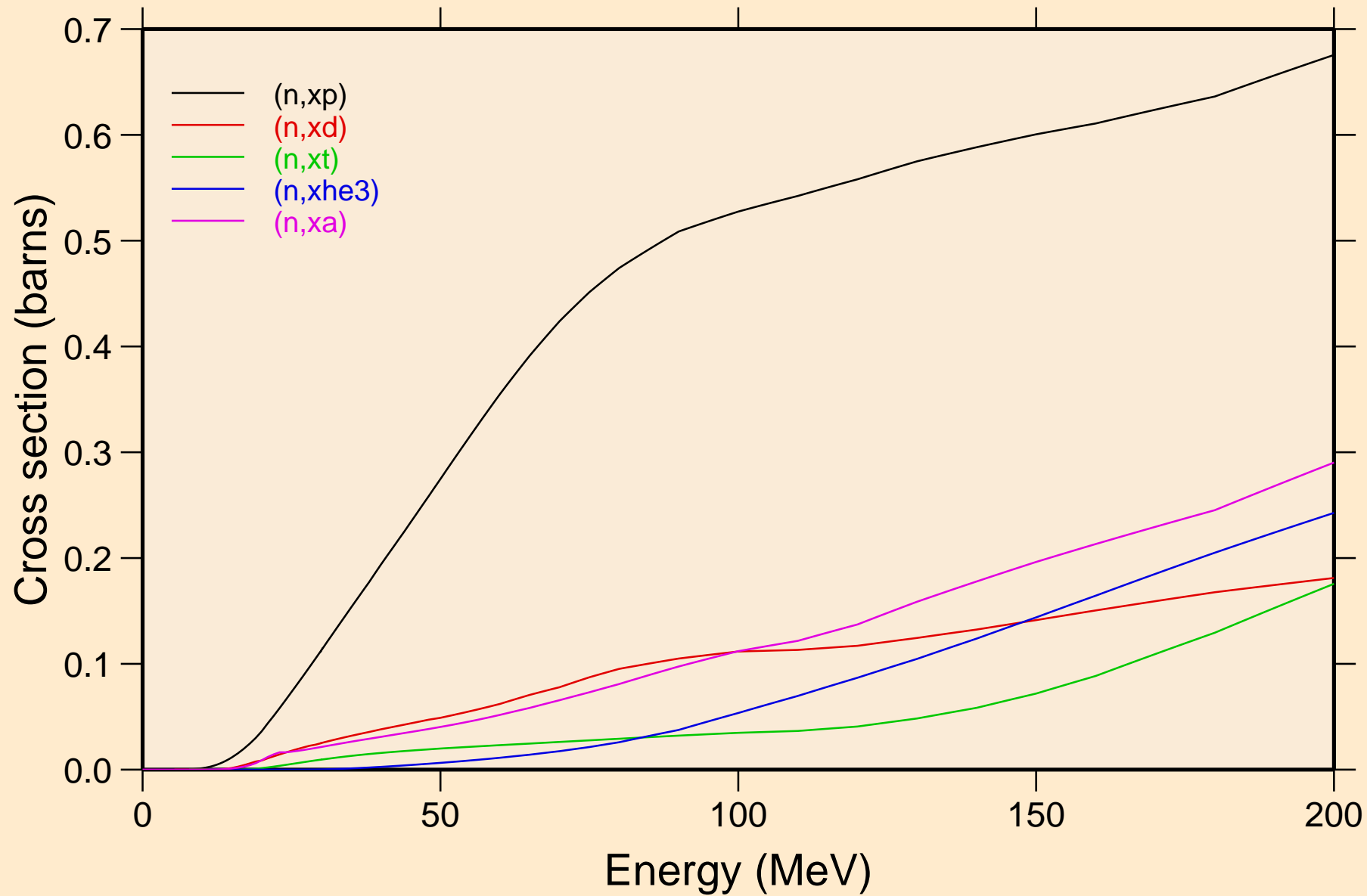
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



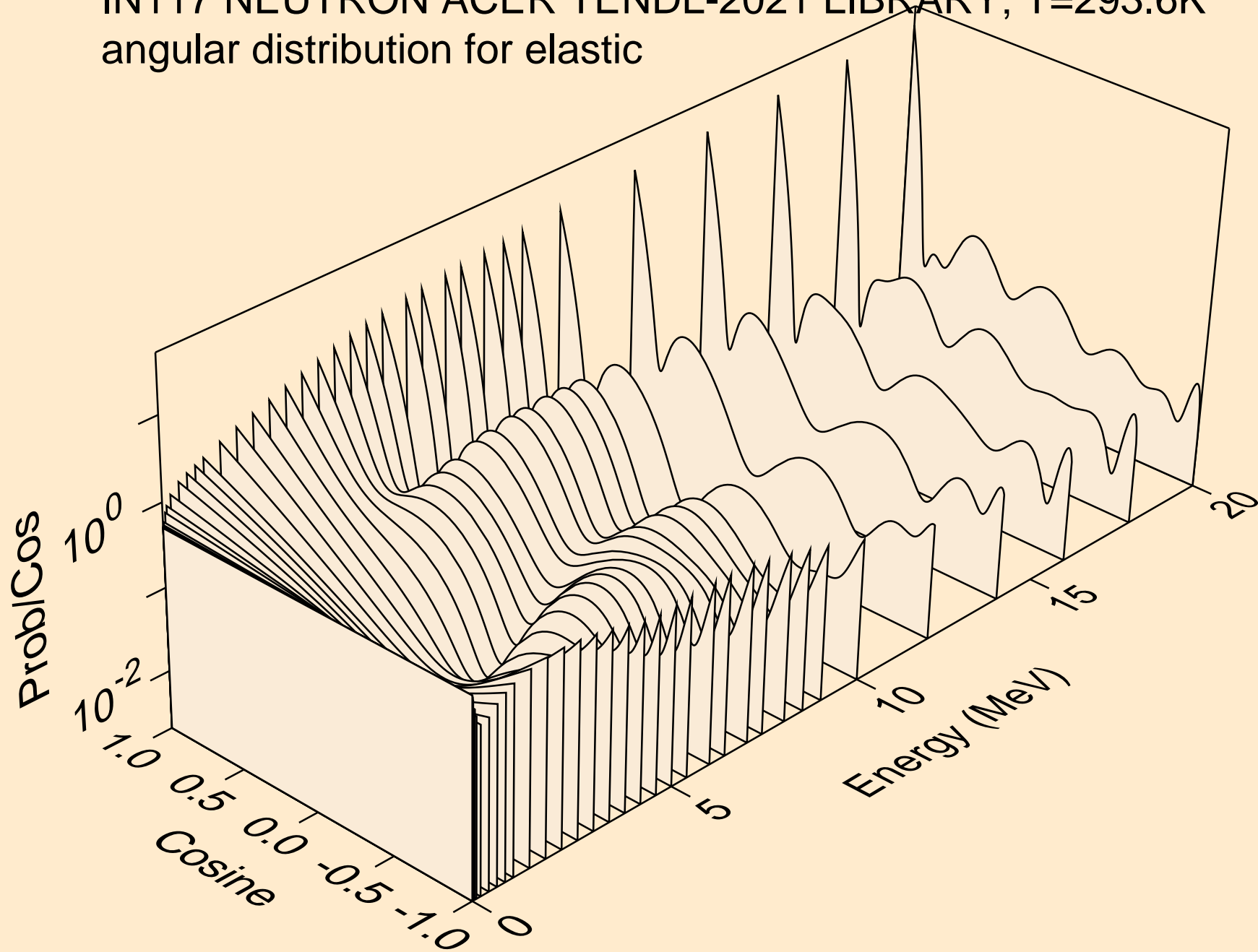
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



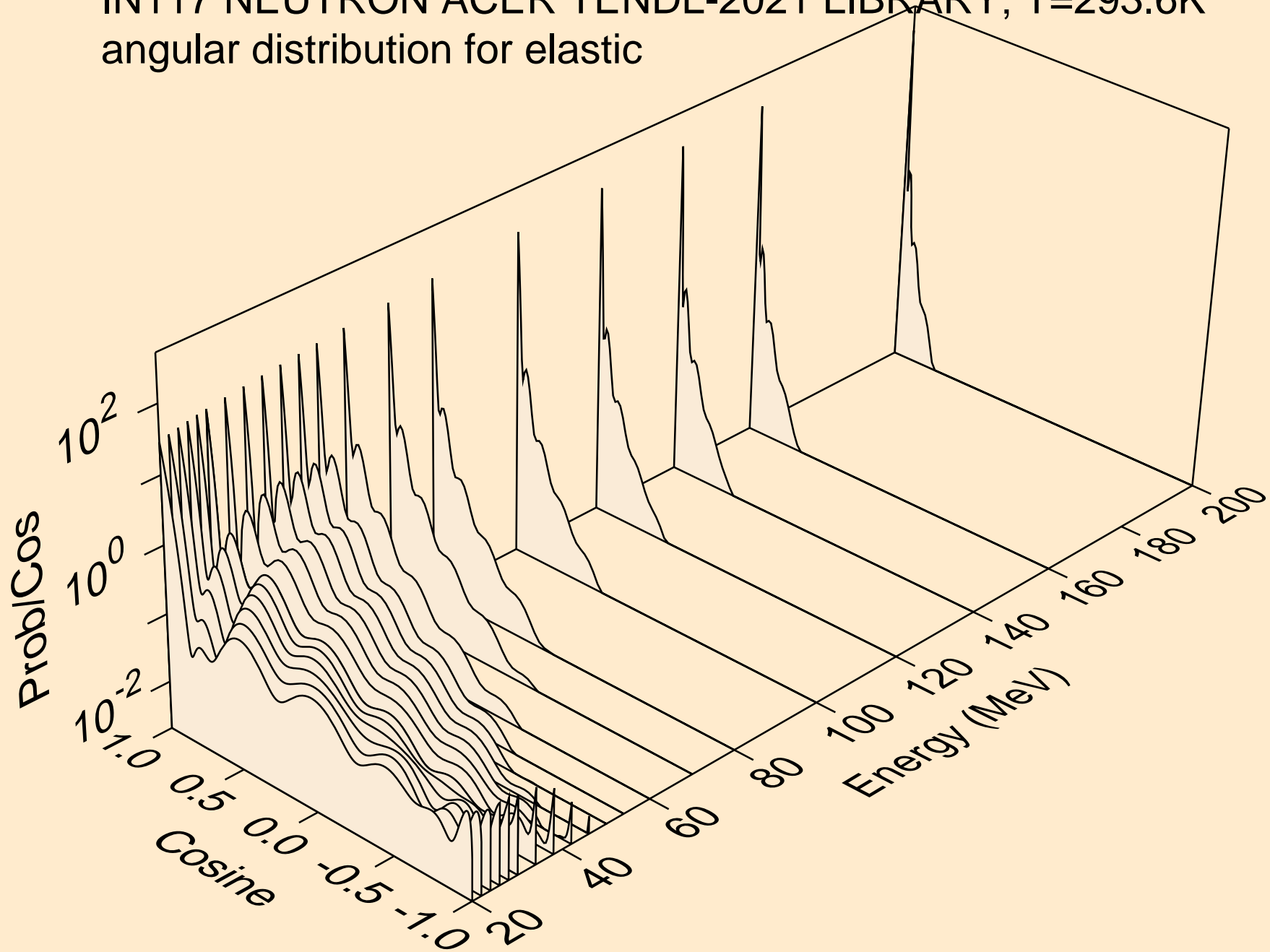
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



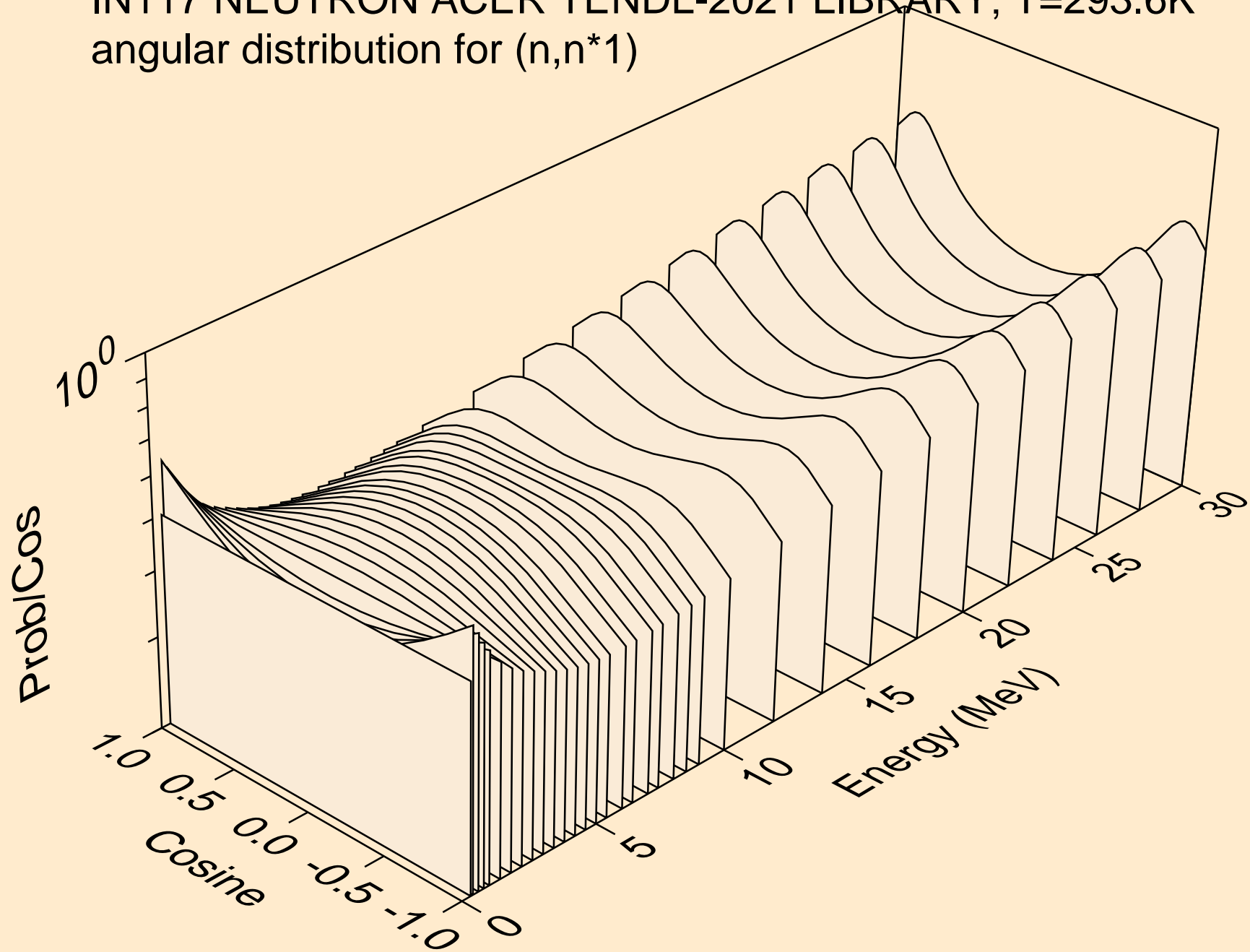
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic

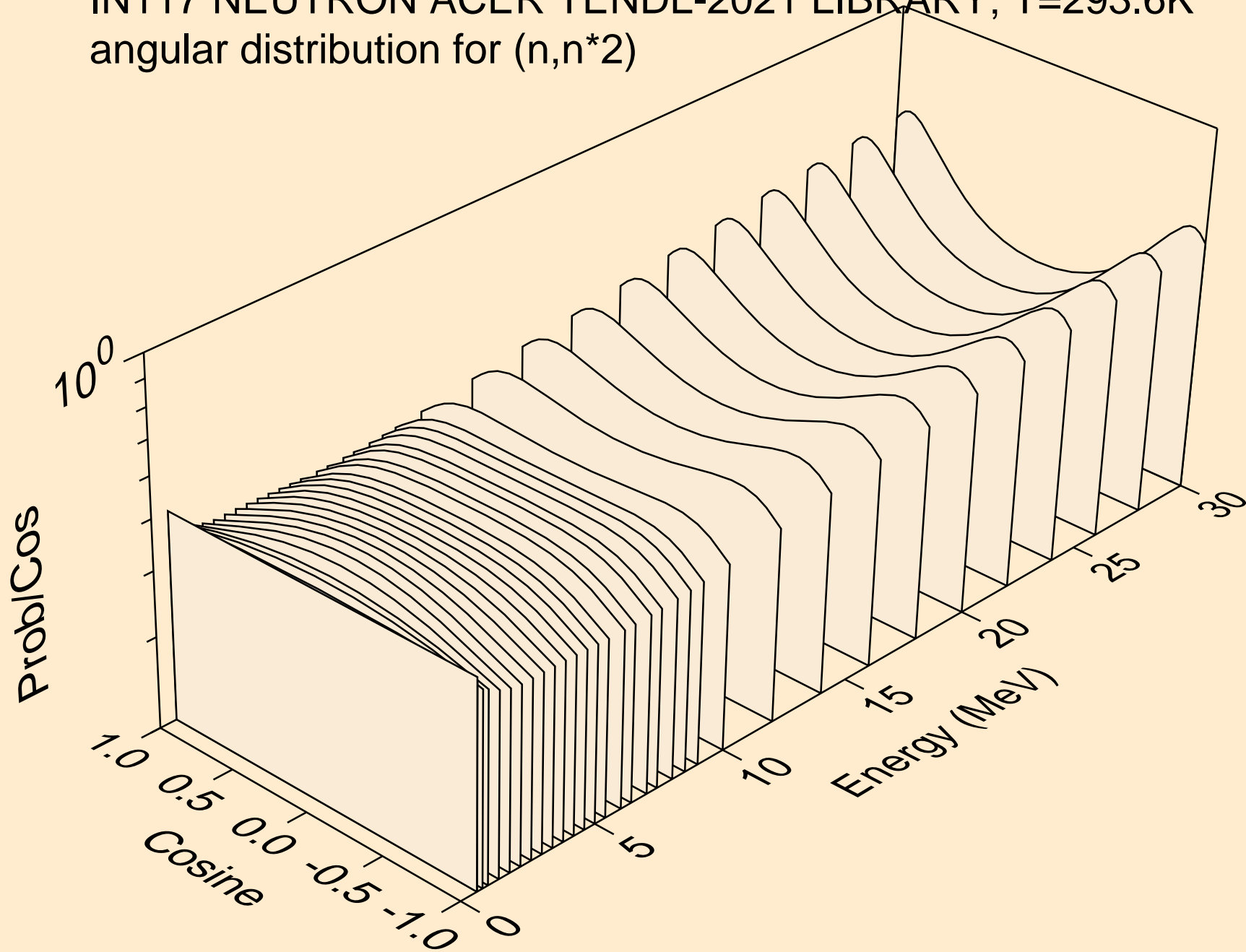


IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)

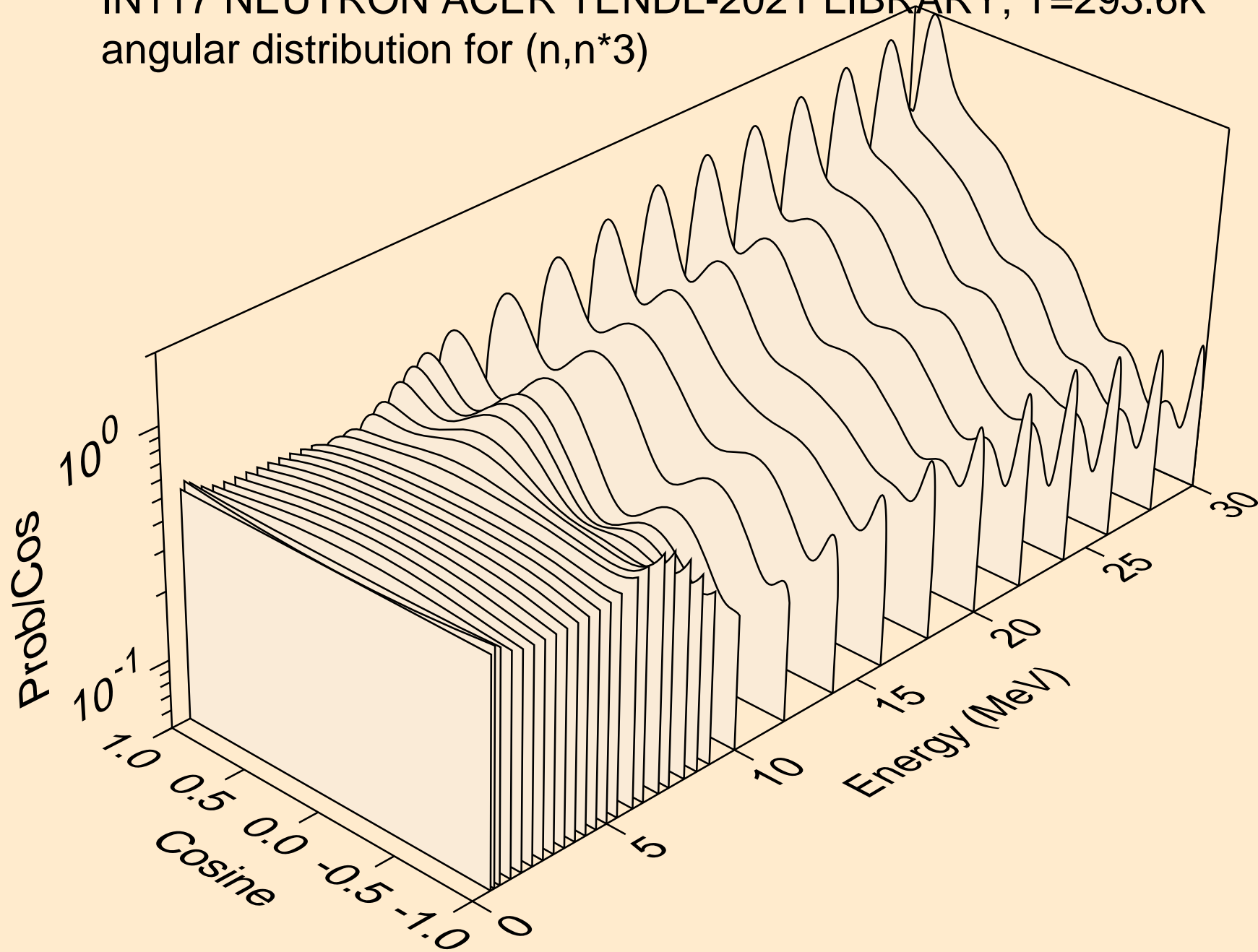




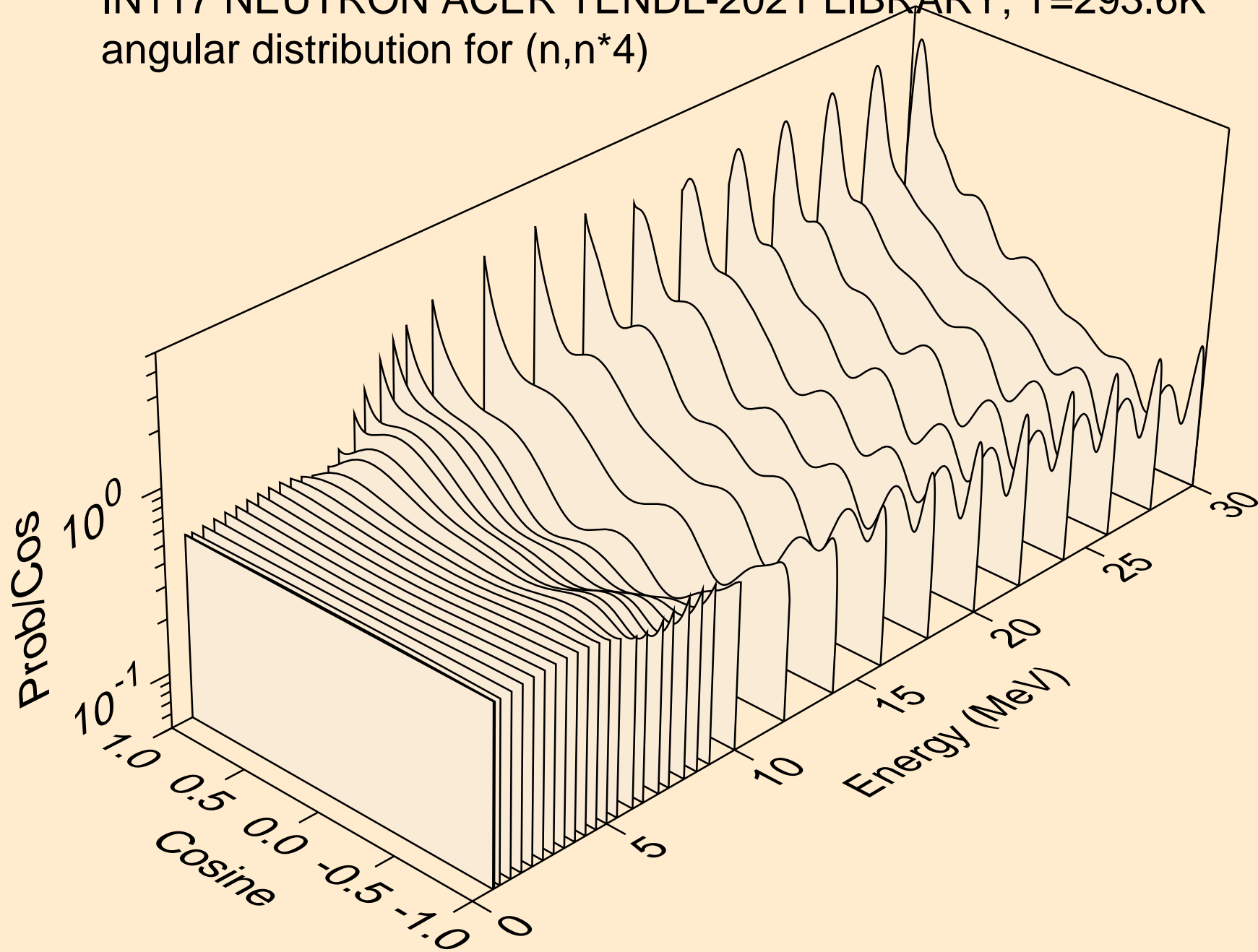
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



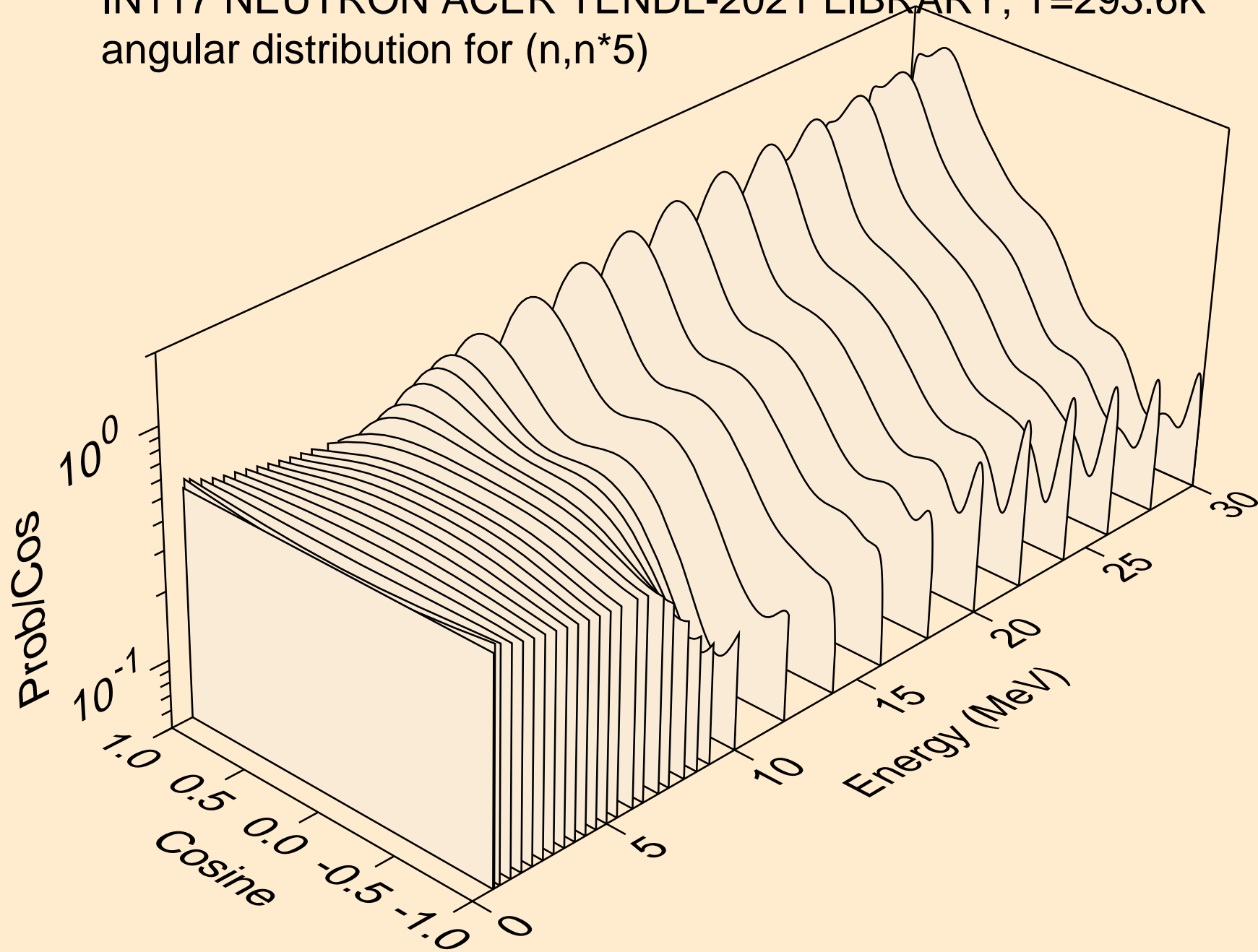
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angular distribution for (n,n\*3)



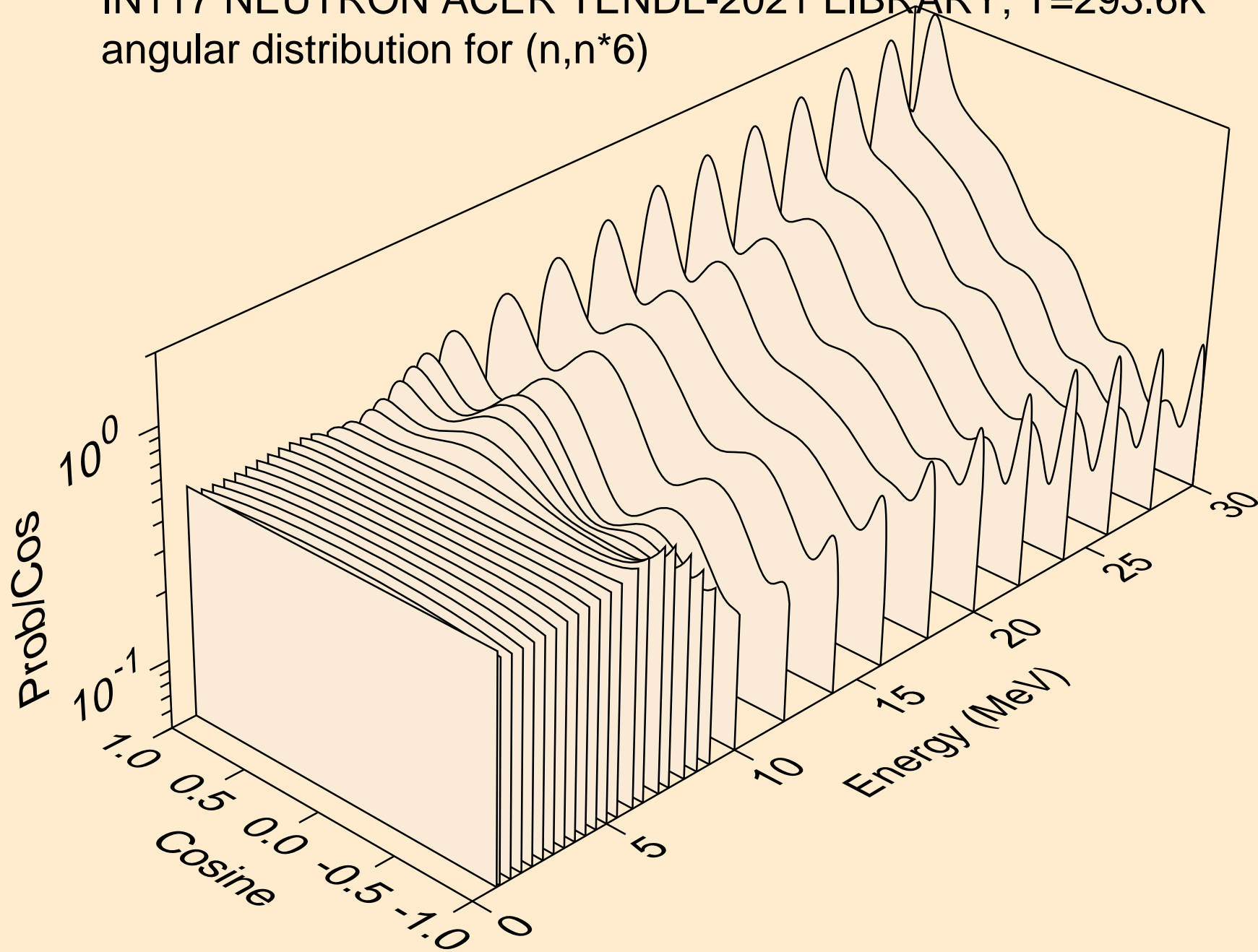
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angular distribution for (n,n\*4)



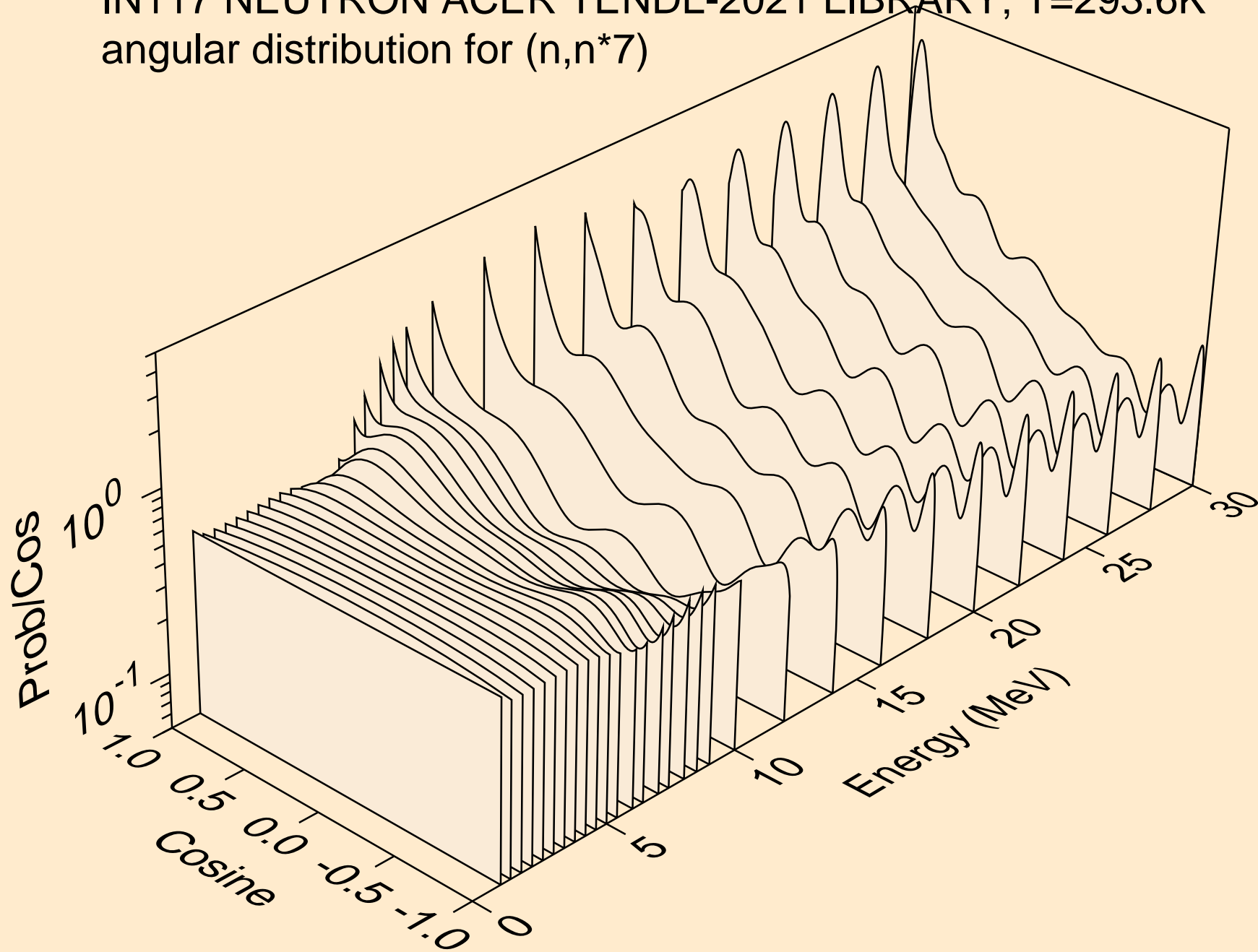
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angular distribution for (n,n\*5)



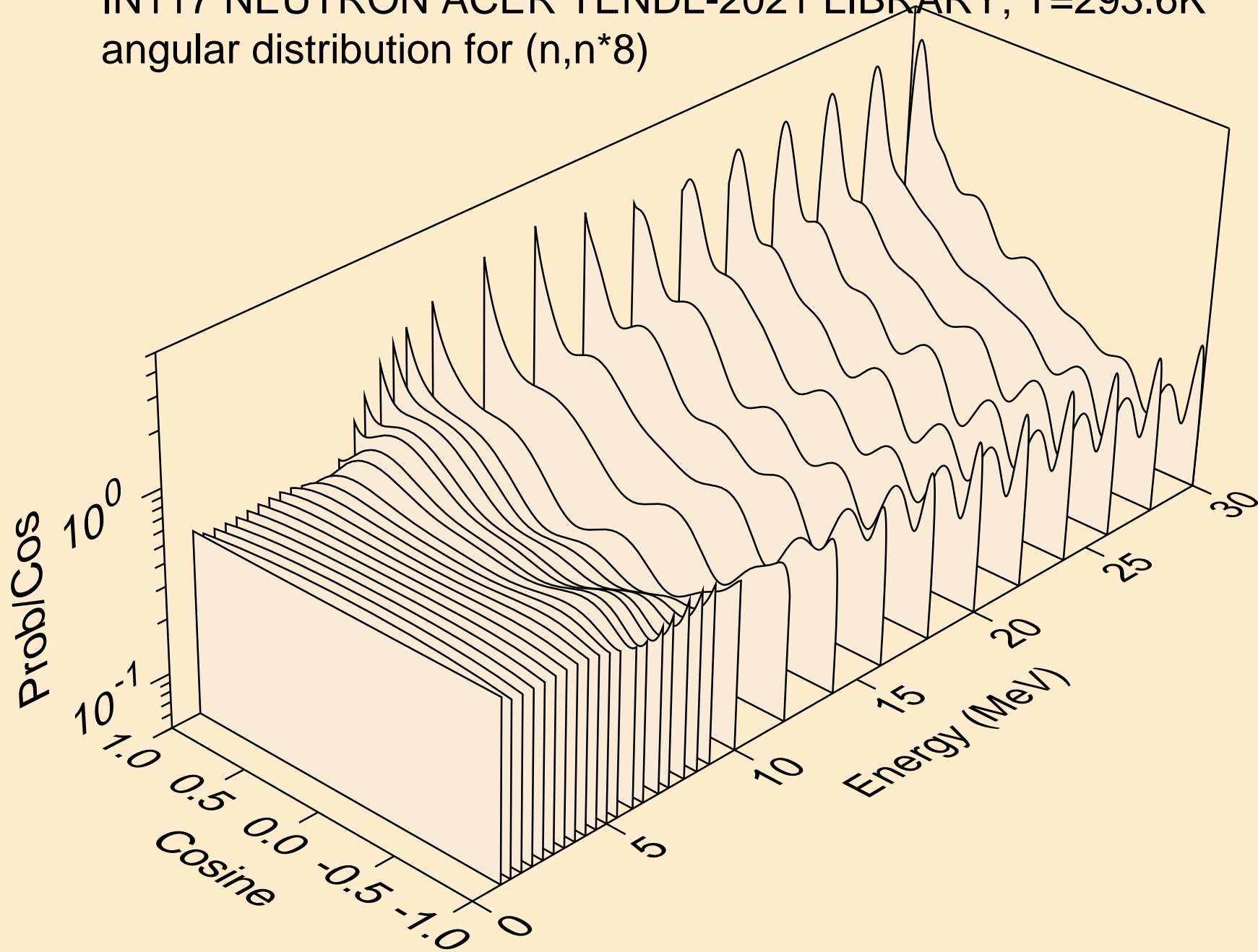
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)



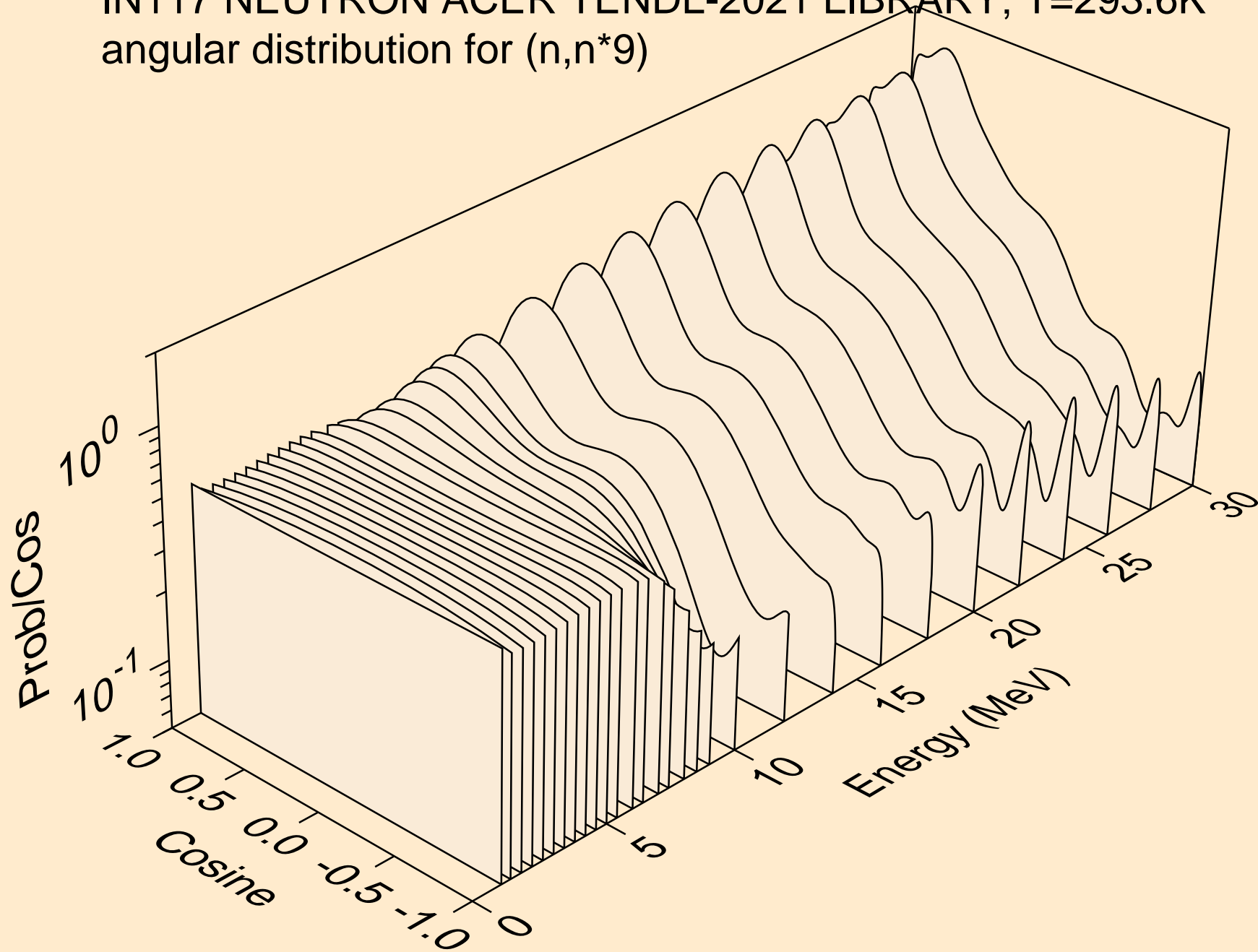
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)



IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)

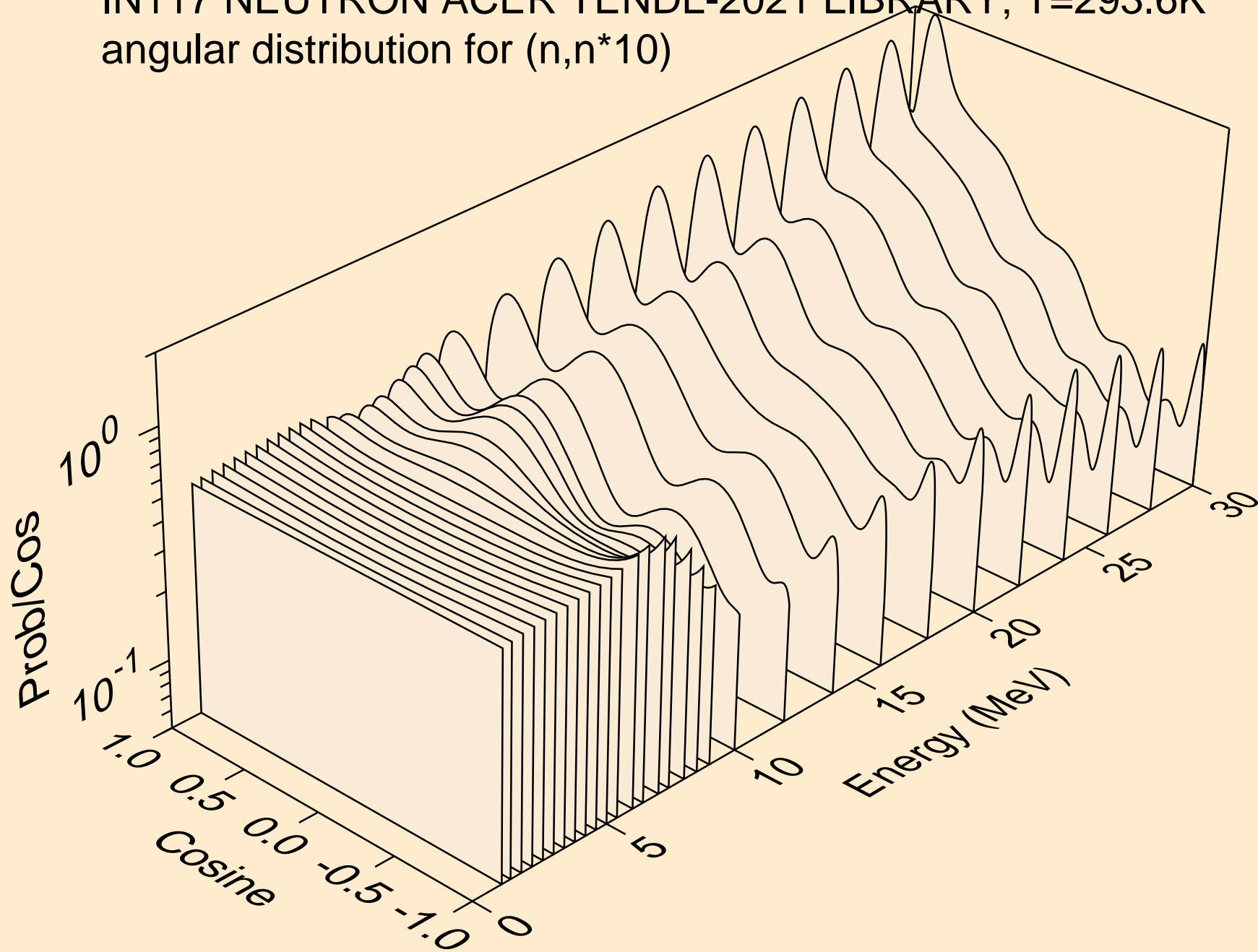


IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)

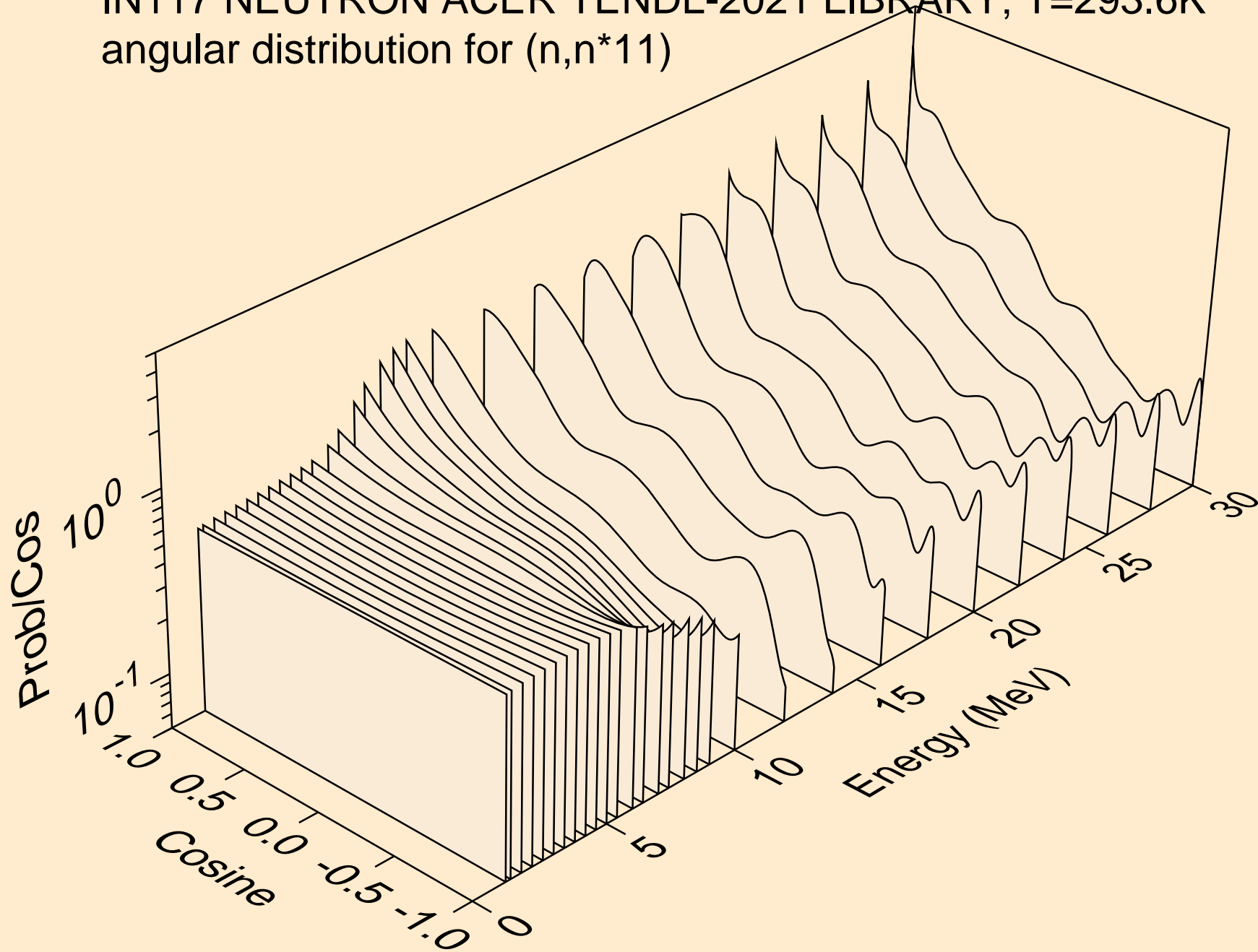




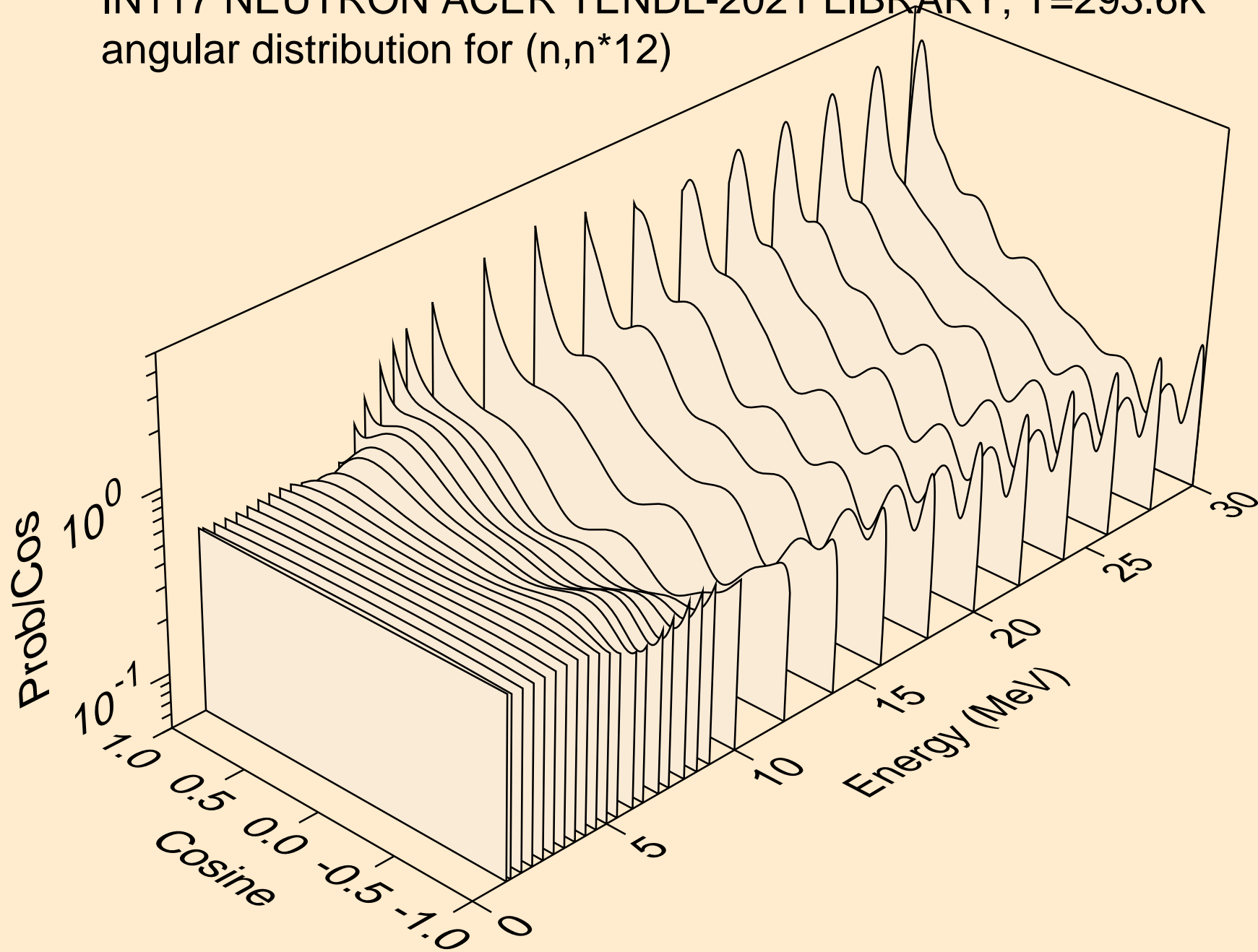
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angular distribution for (n,n\*10)



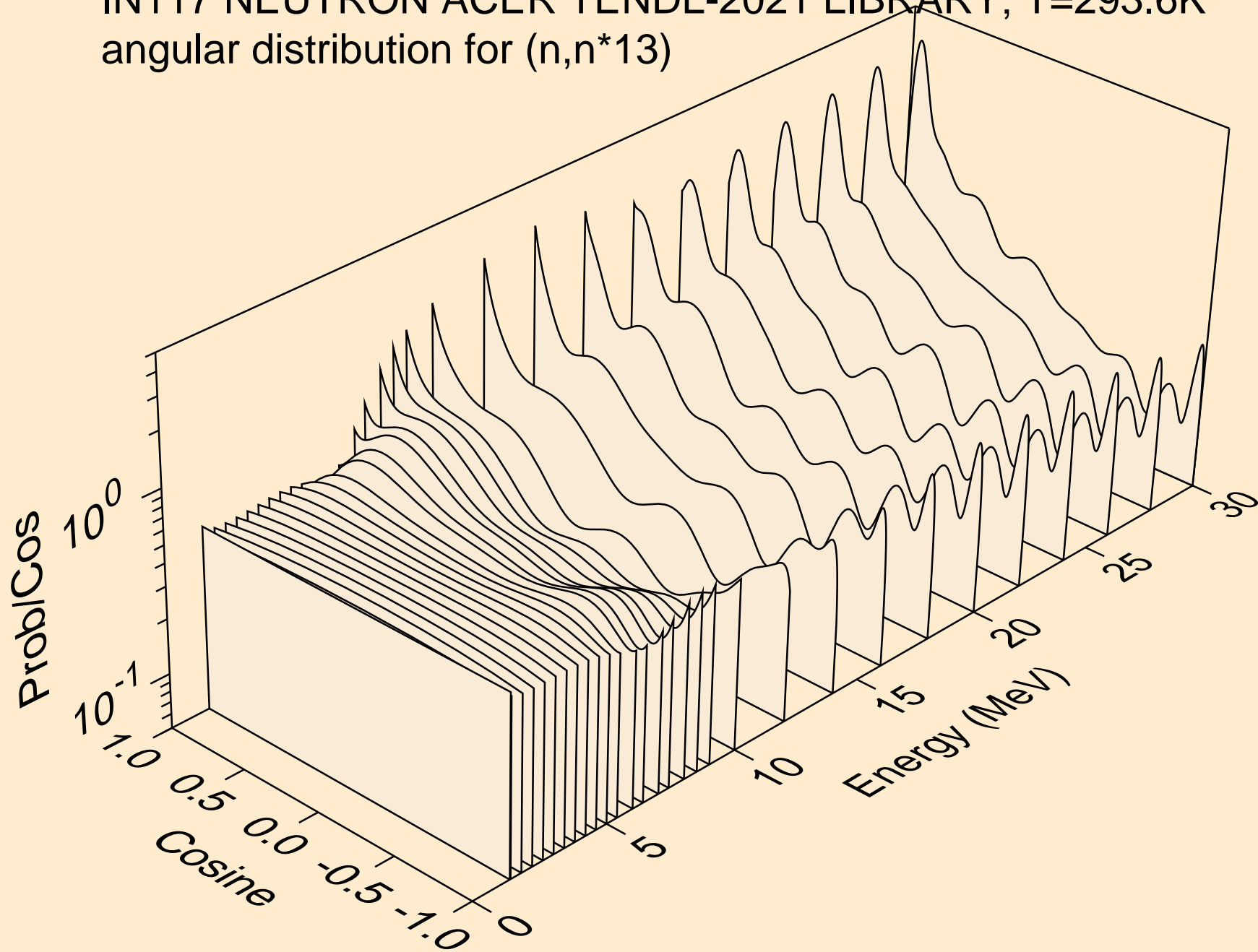
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angular distribution for (n,n\*11)



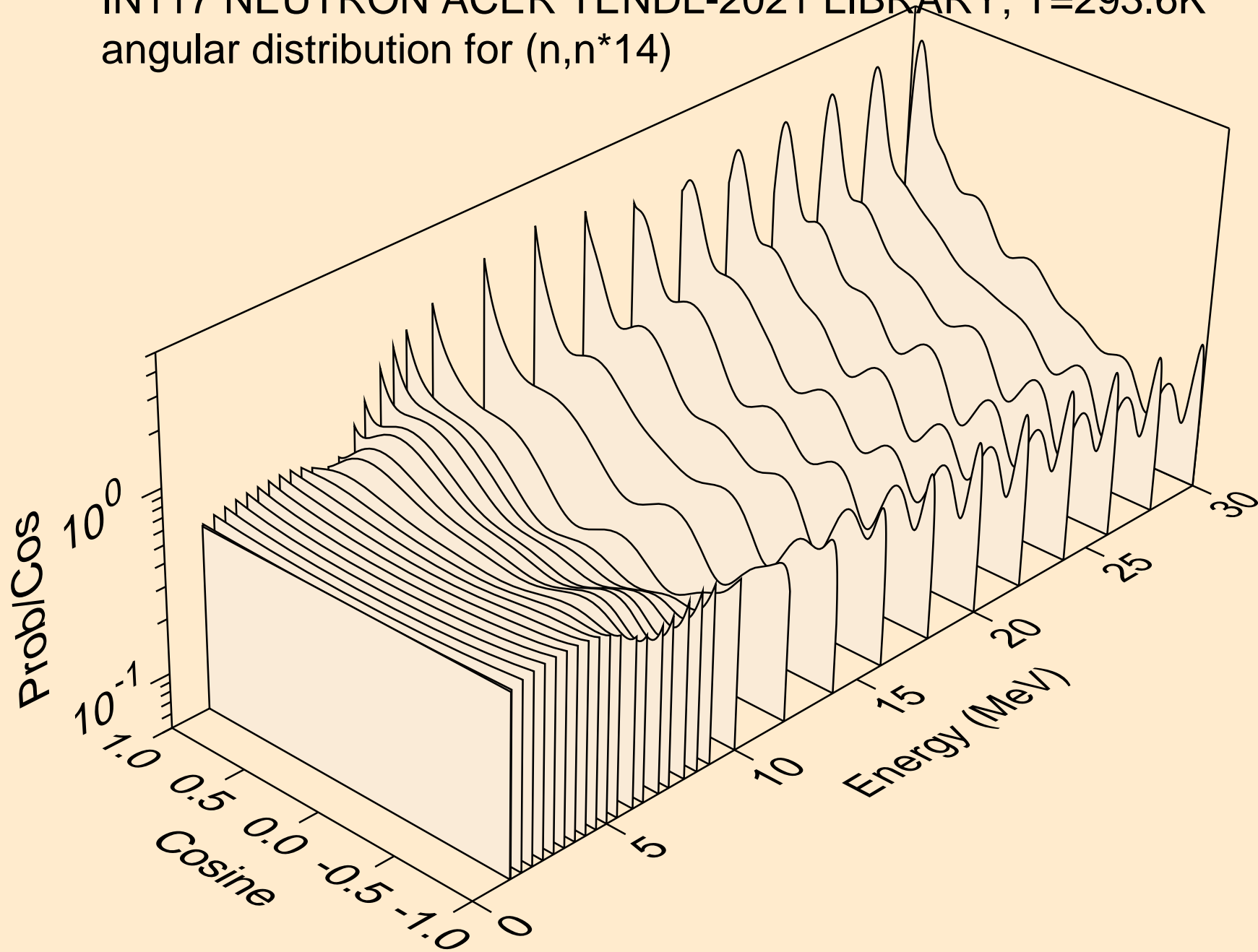
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angular distribution for (n,n\*12)



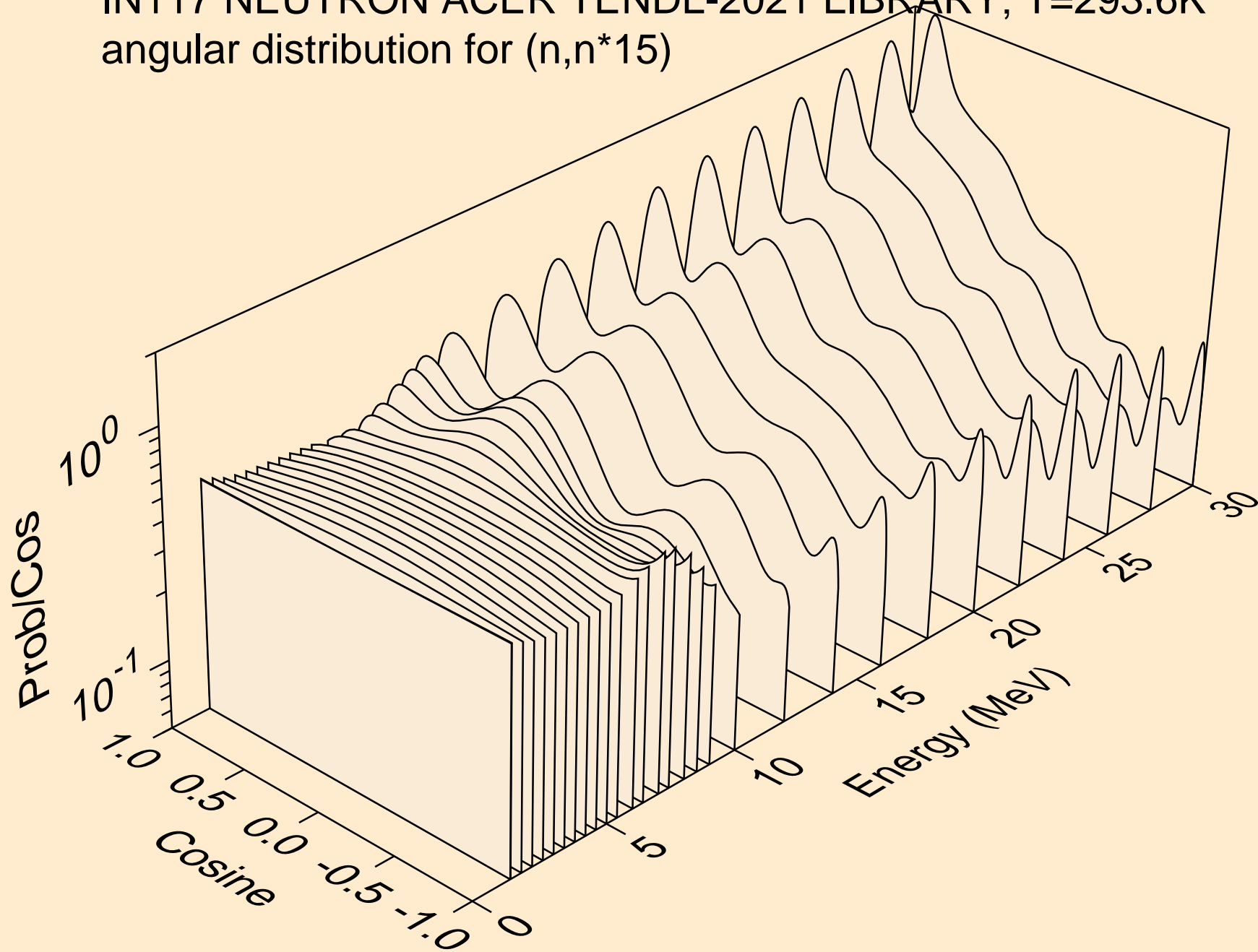
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angular distribution for (n,n\*13)



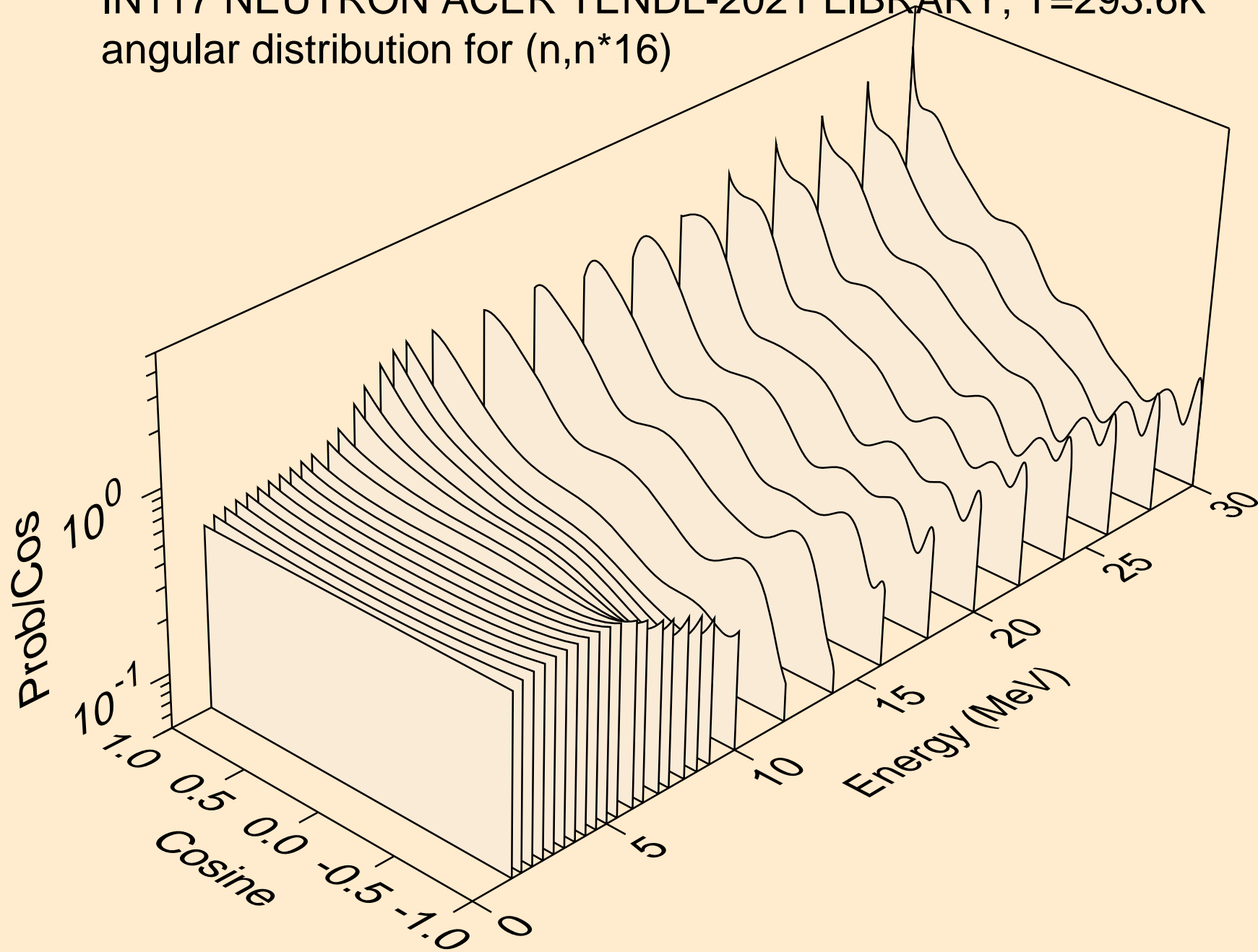
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angular distribution for (n,n\*14)



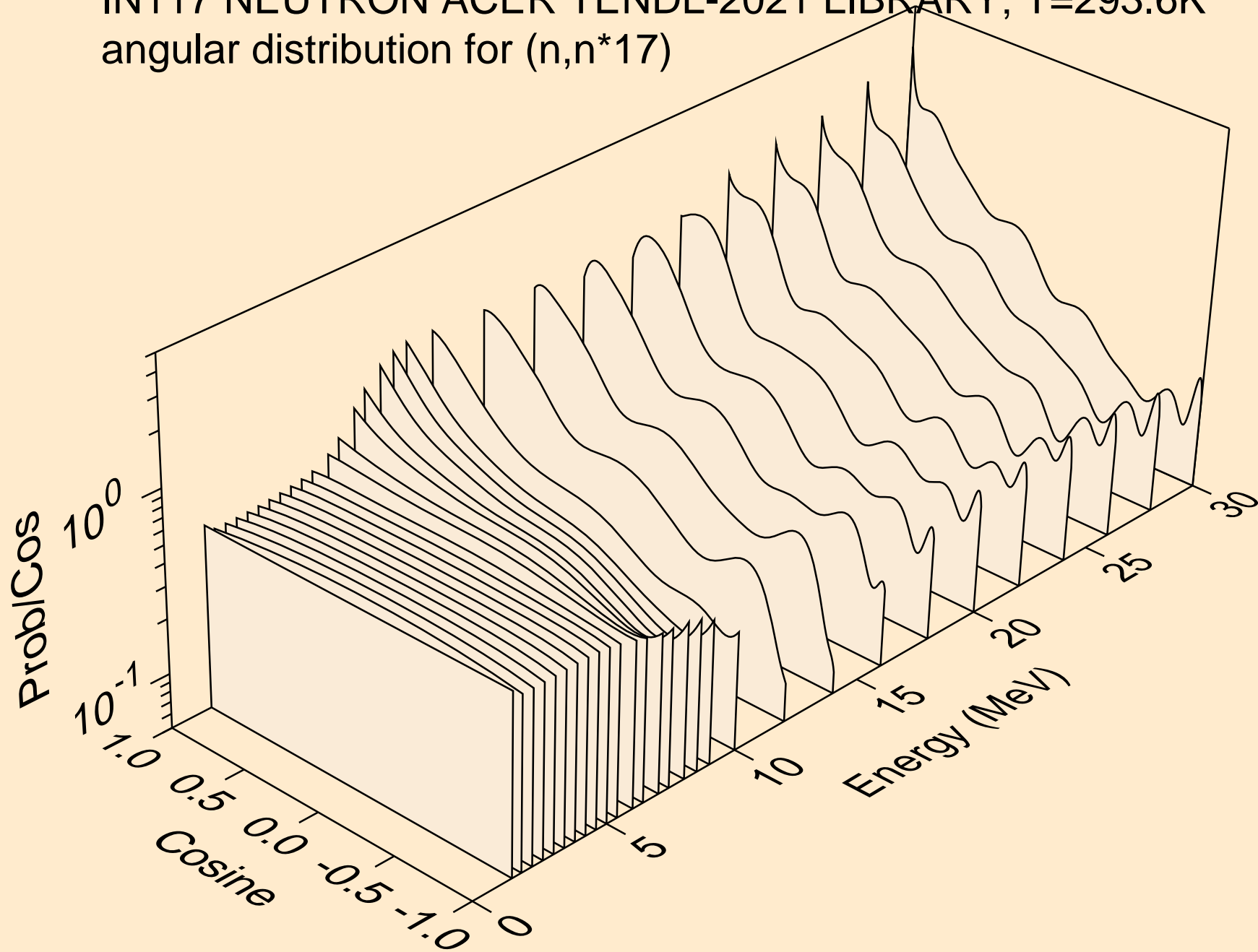
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*15)



IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*16)

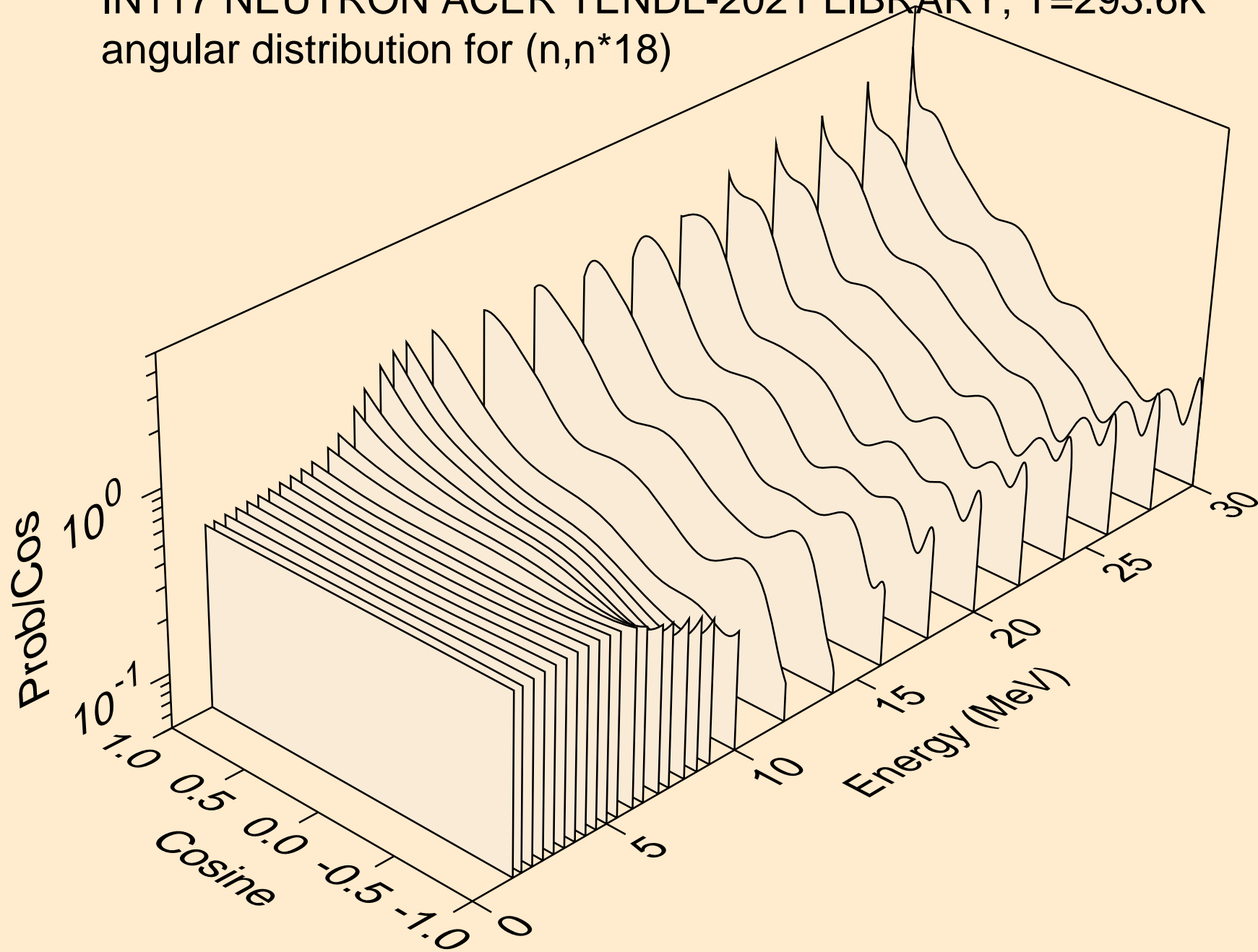


IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*17)

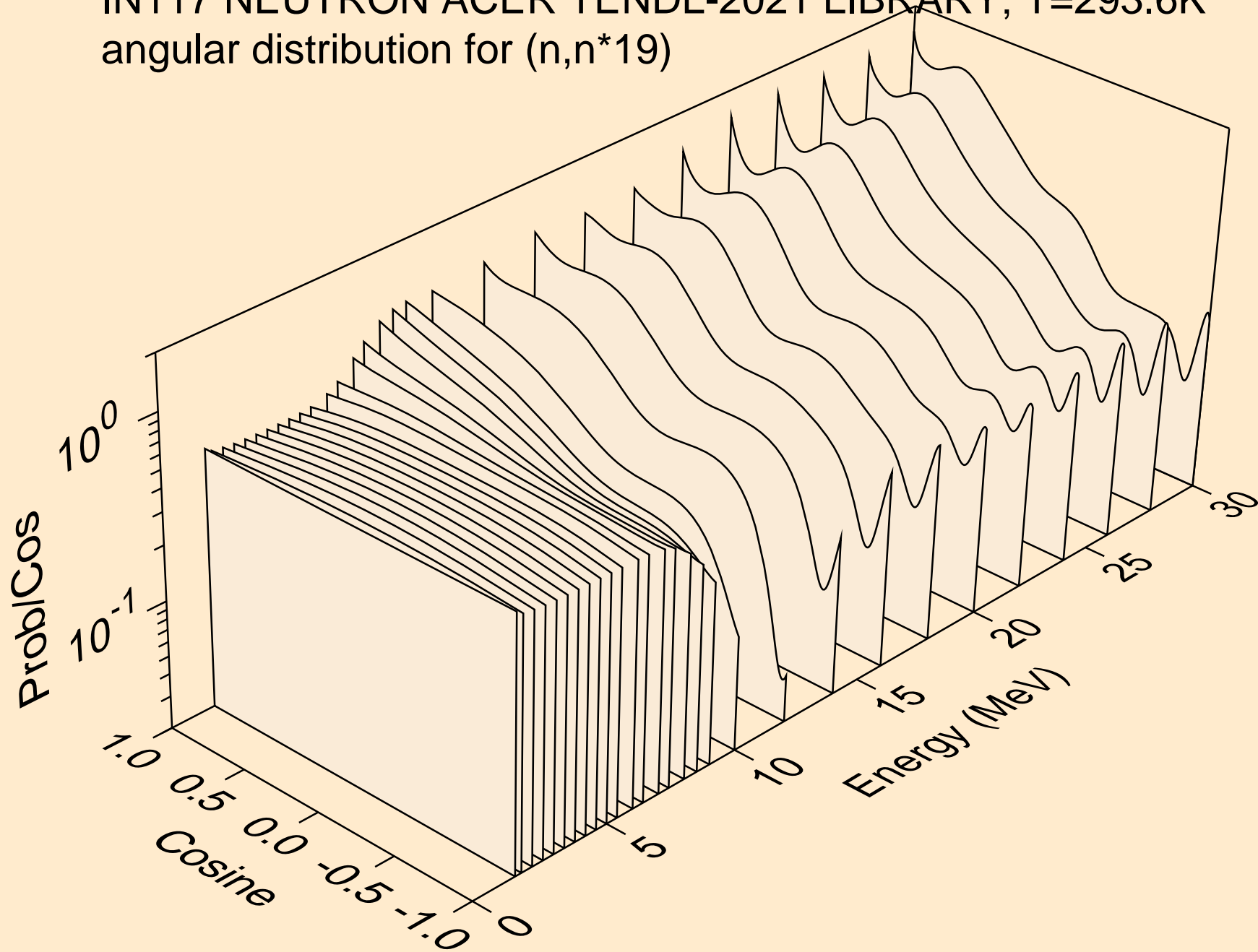




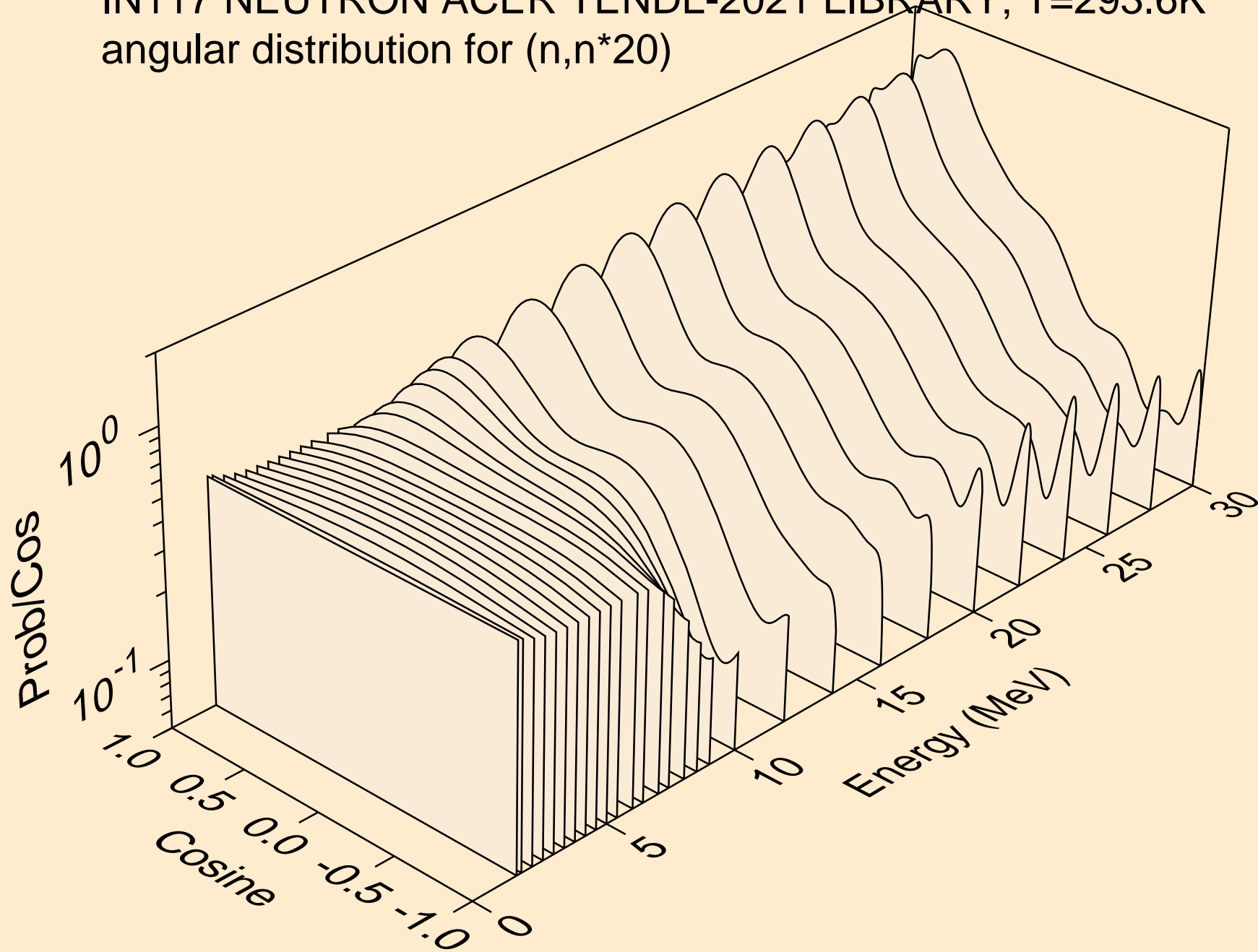
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angular distribution for (n,n\*18)



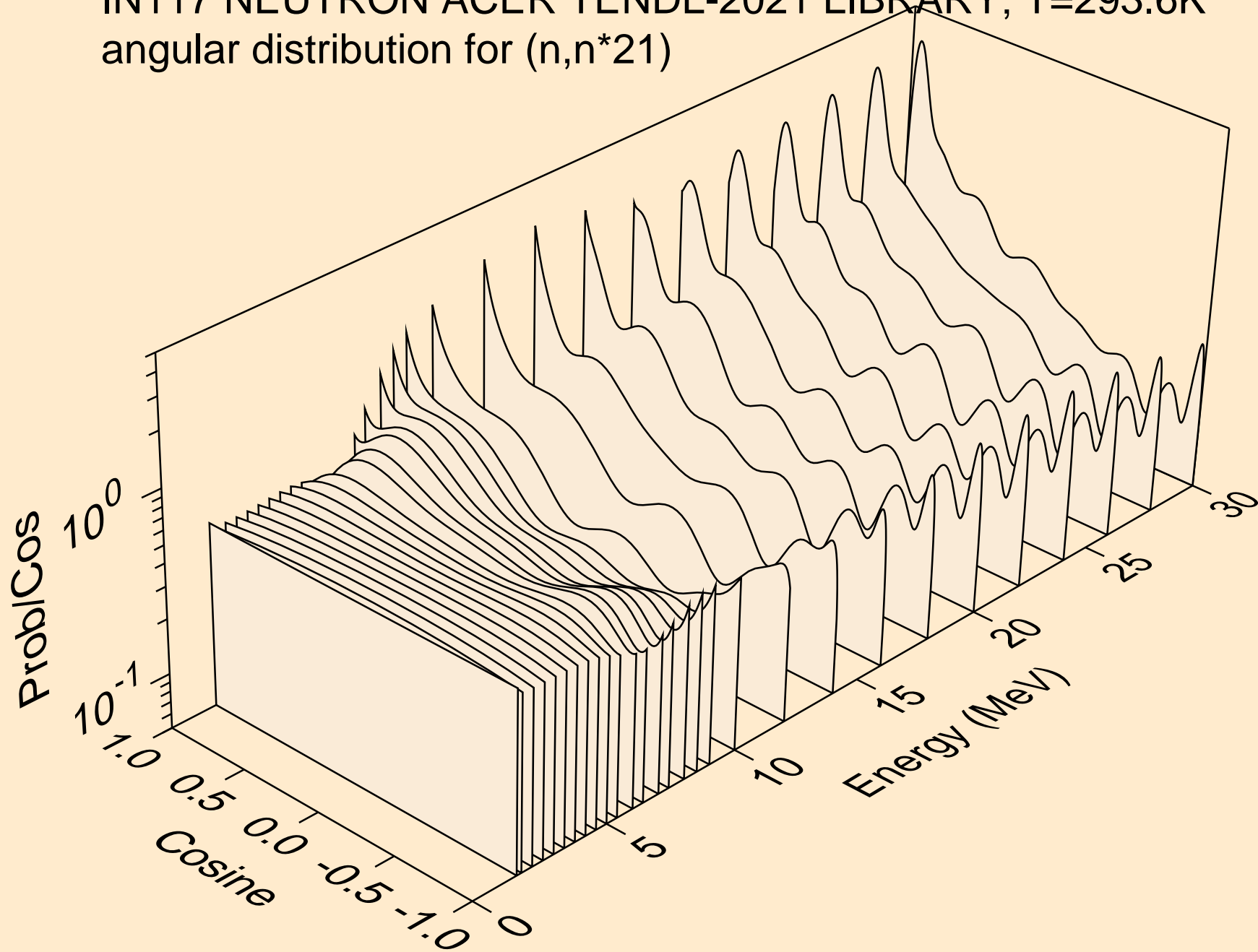
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angular distribution for (n,n\*19)



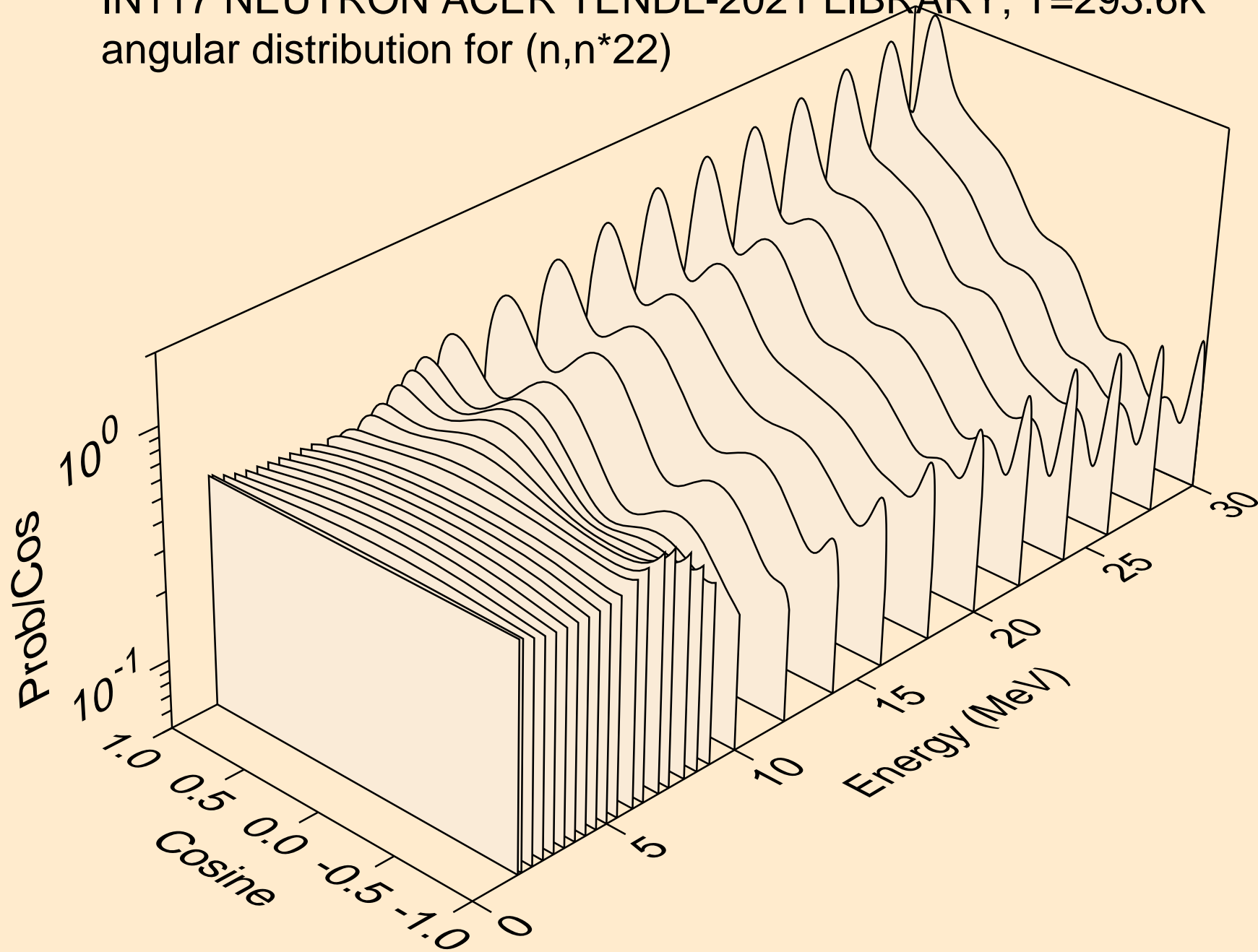
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angular distribution for (n,n\*20)



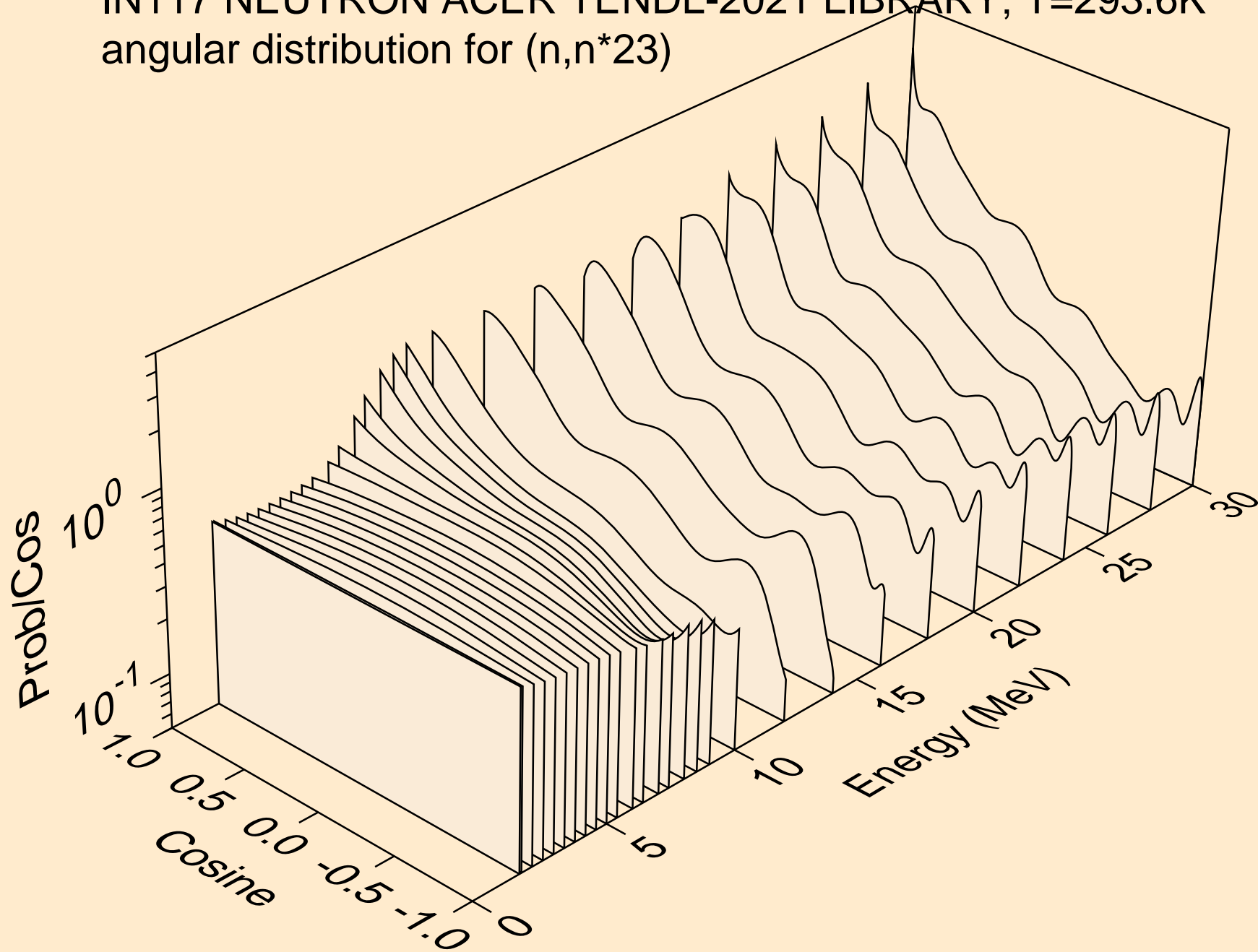
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angular distribution for (n,n\*21)



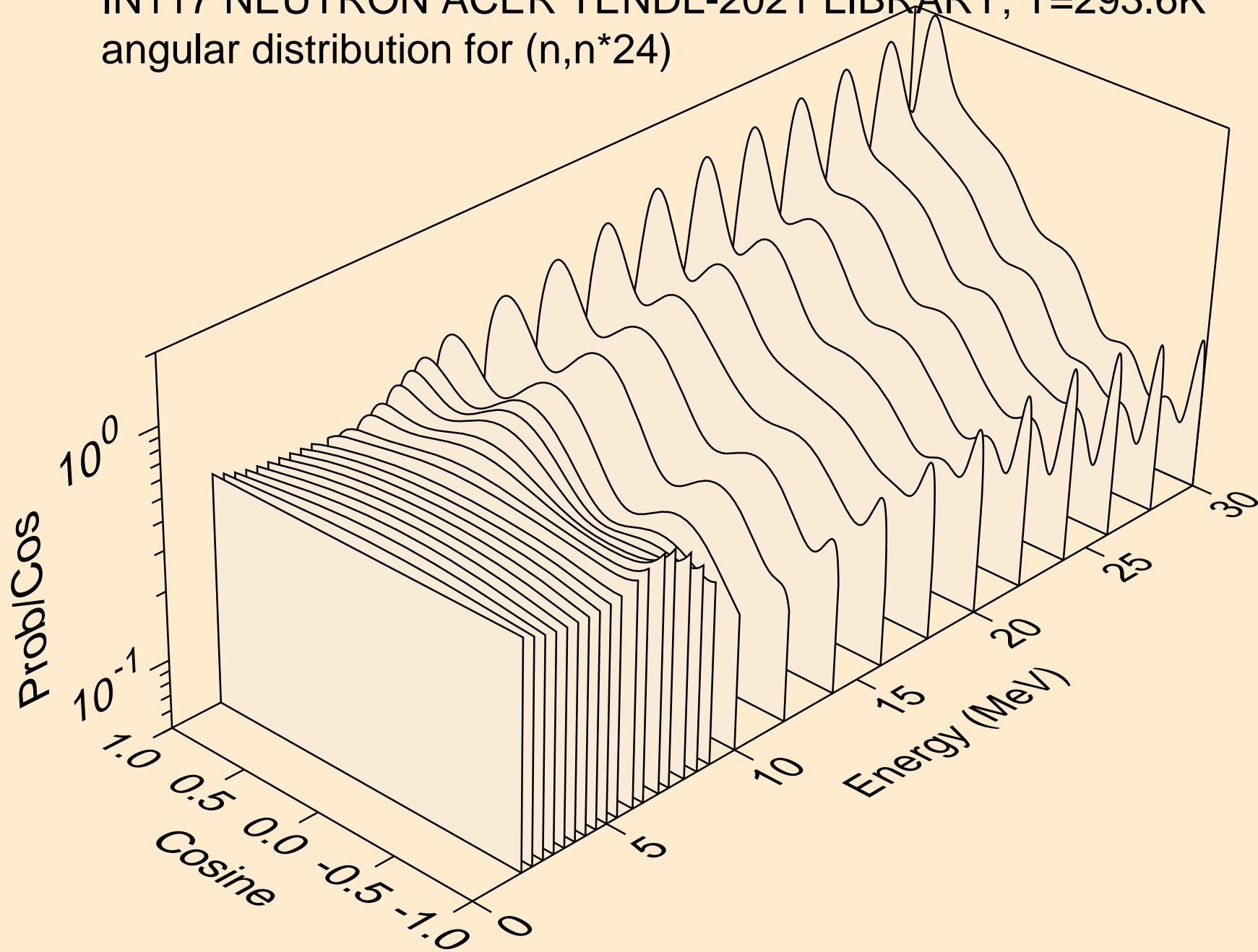
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angular distribution for (n,n\*22)



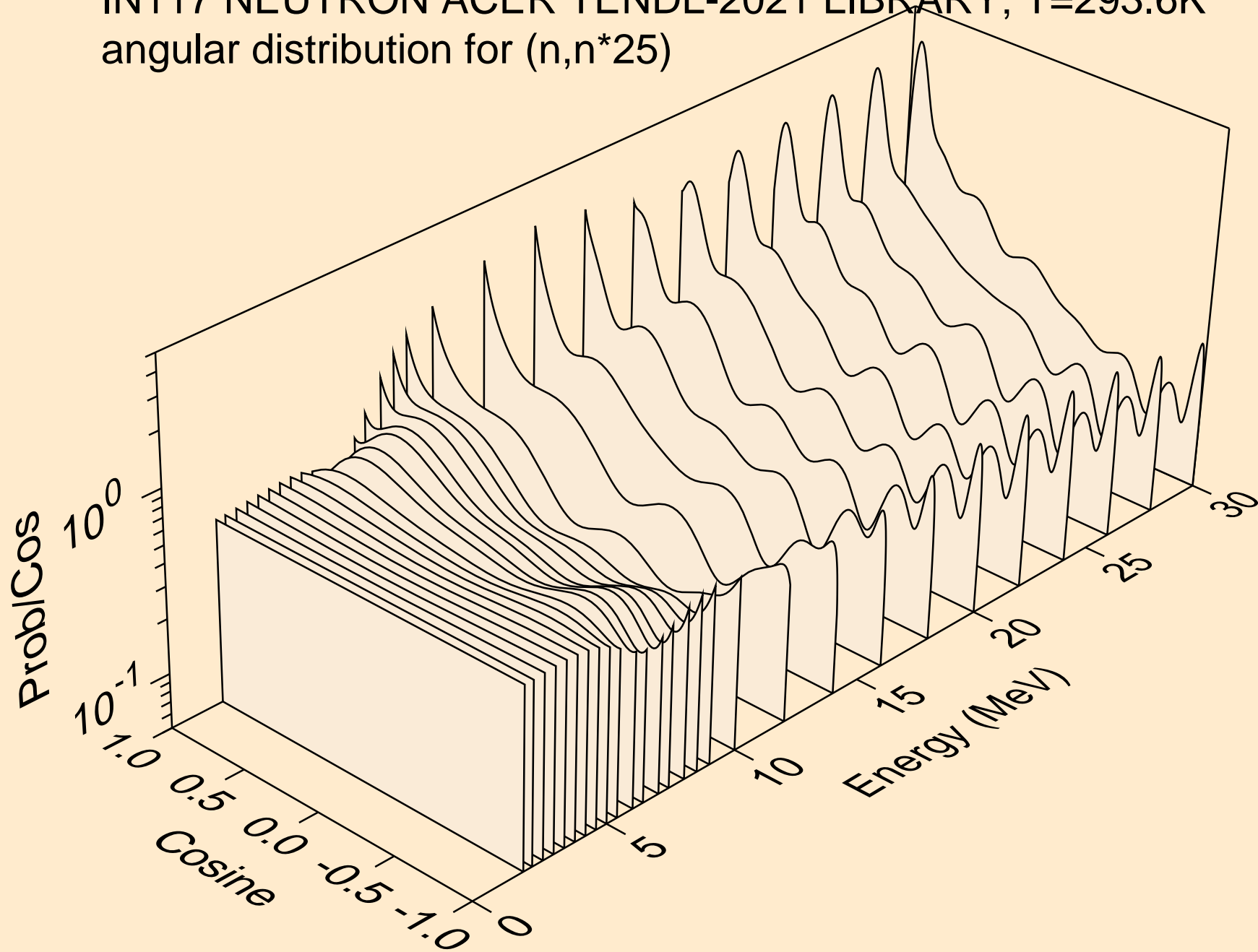
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*23)



IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*24)

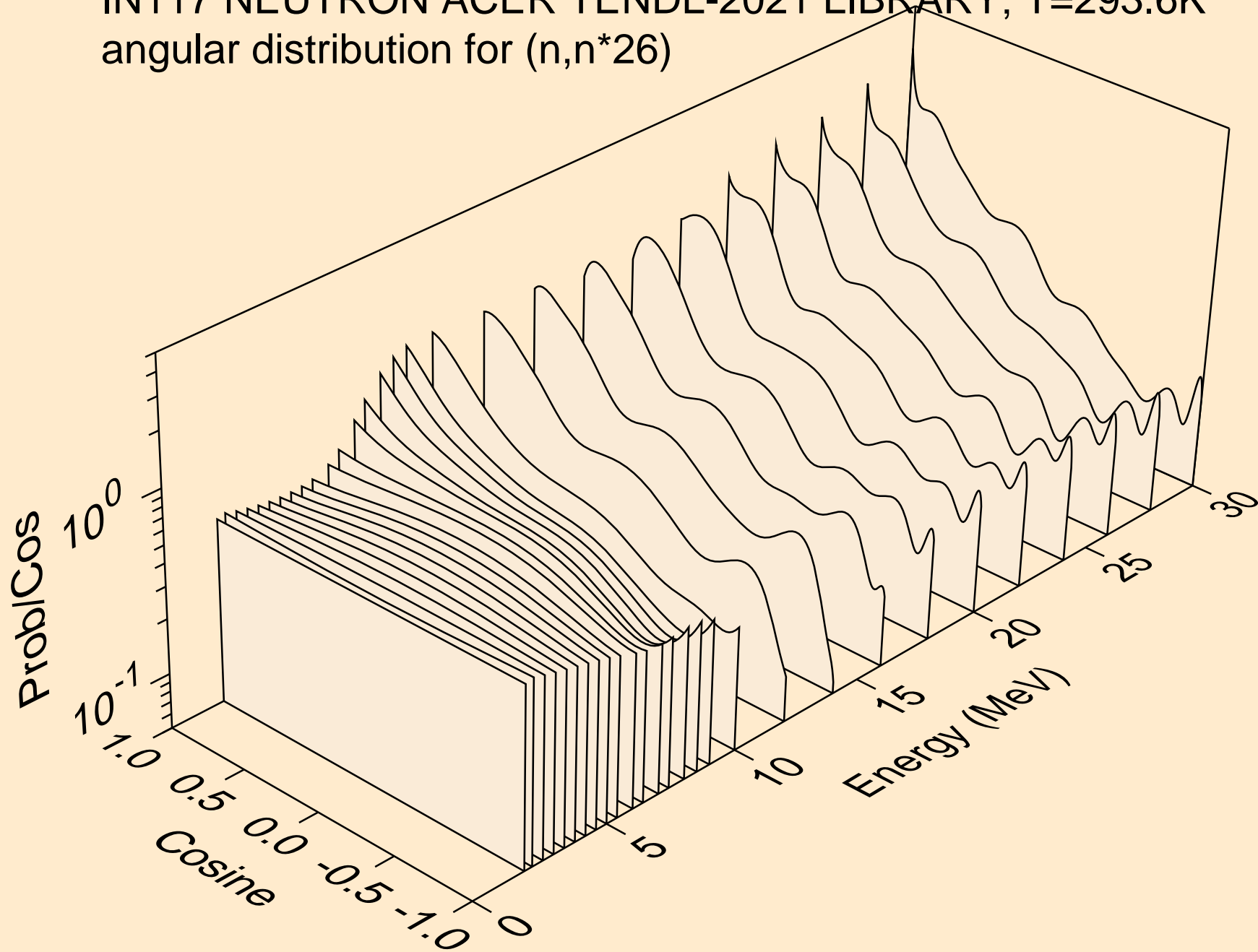


IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*25)

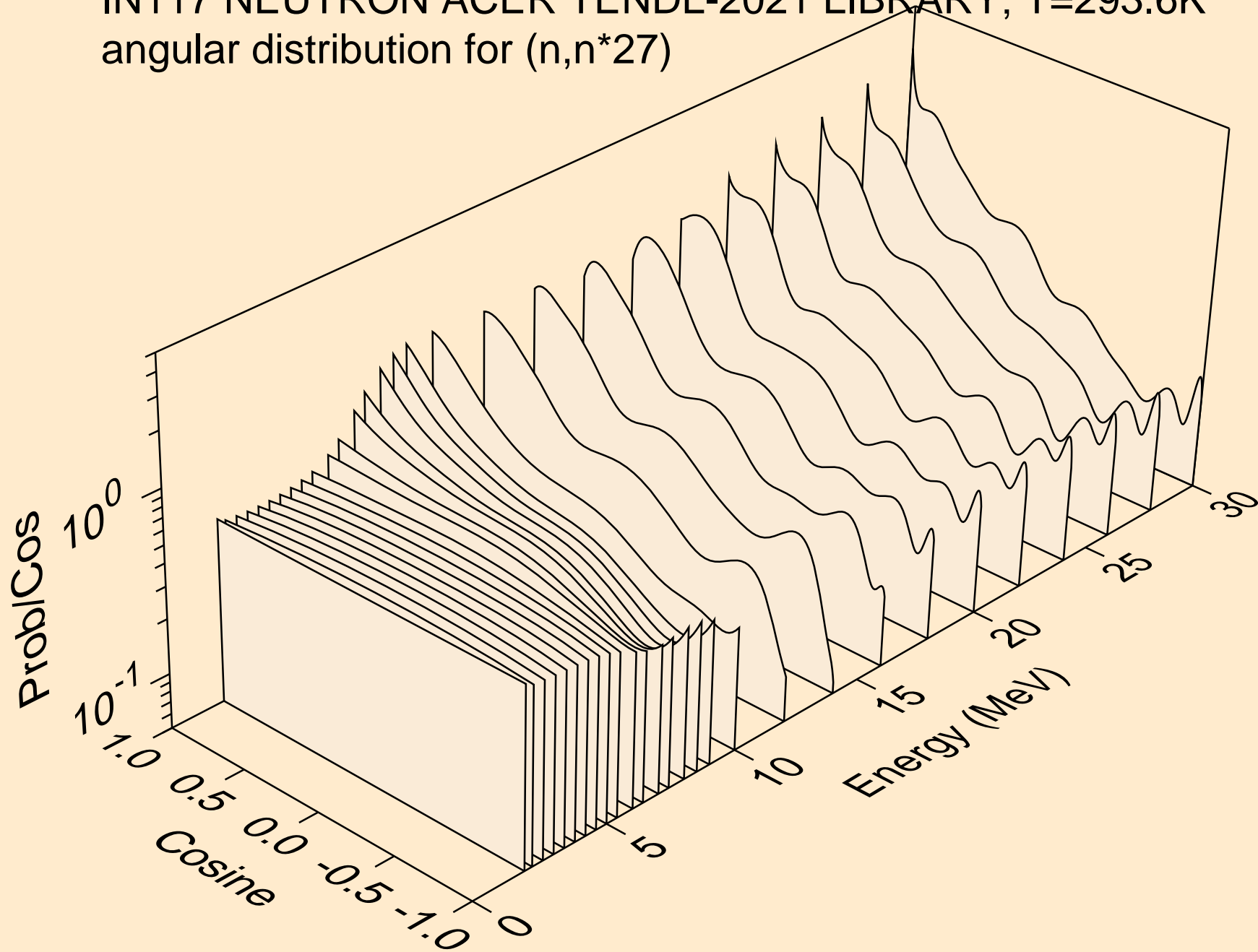




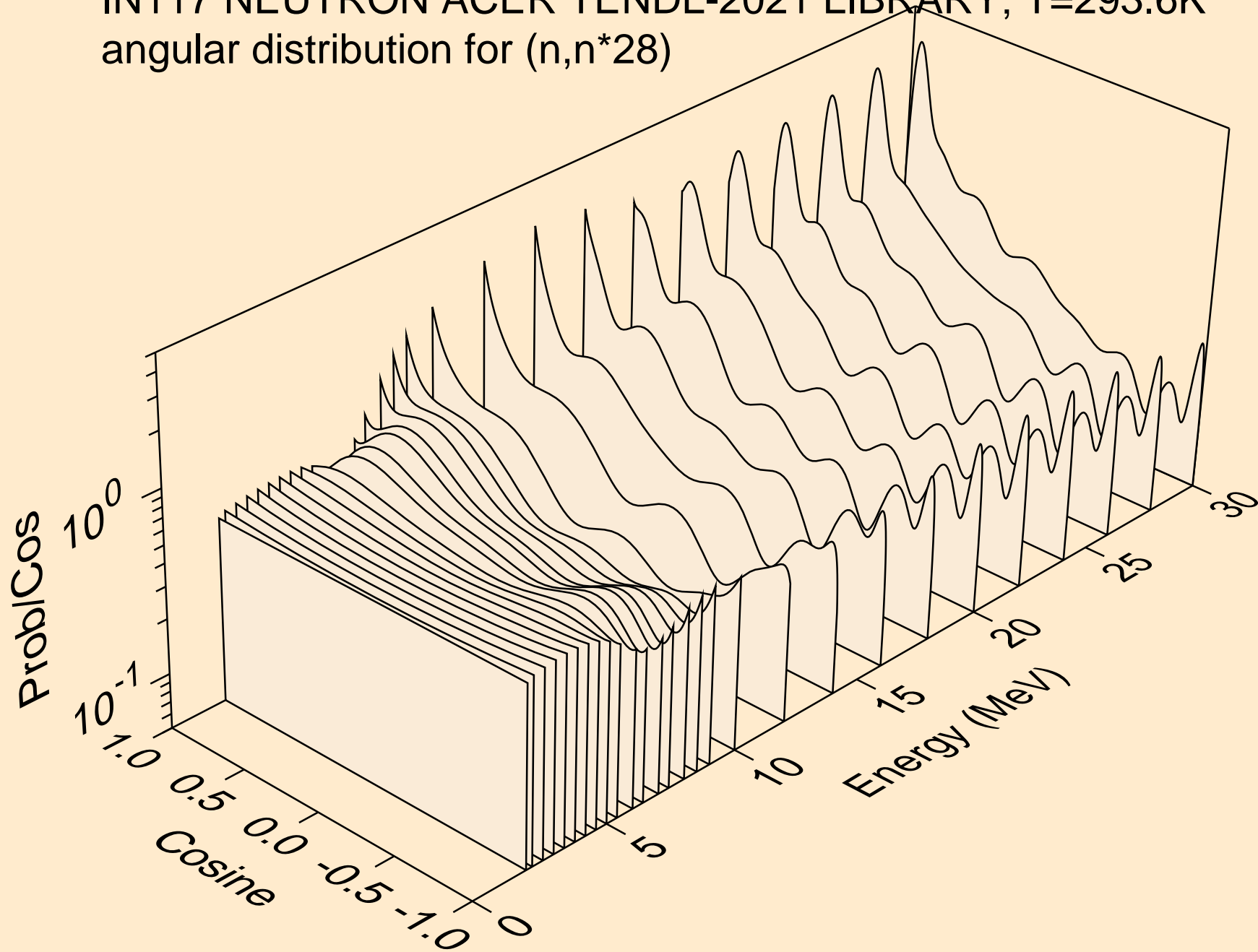
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angular distribution for (n,n\*26)



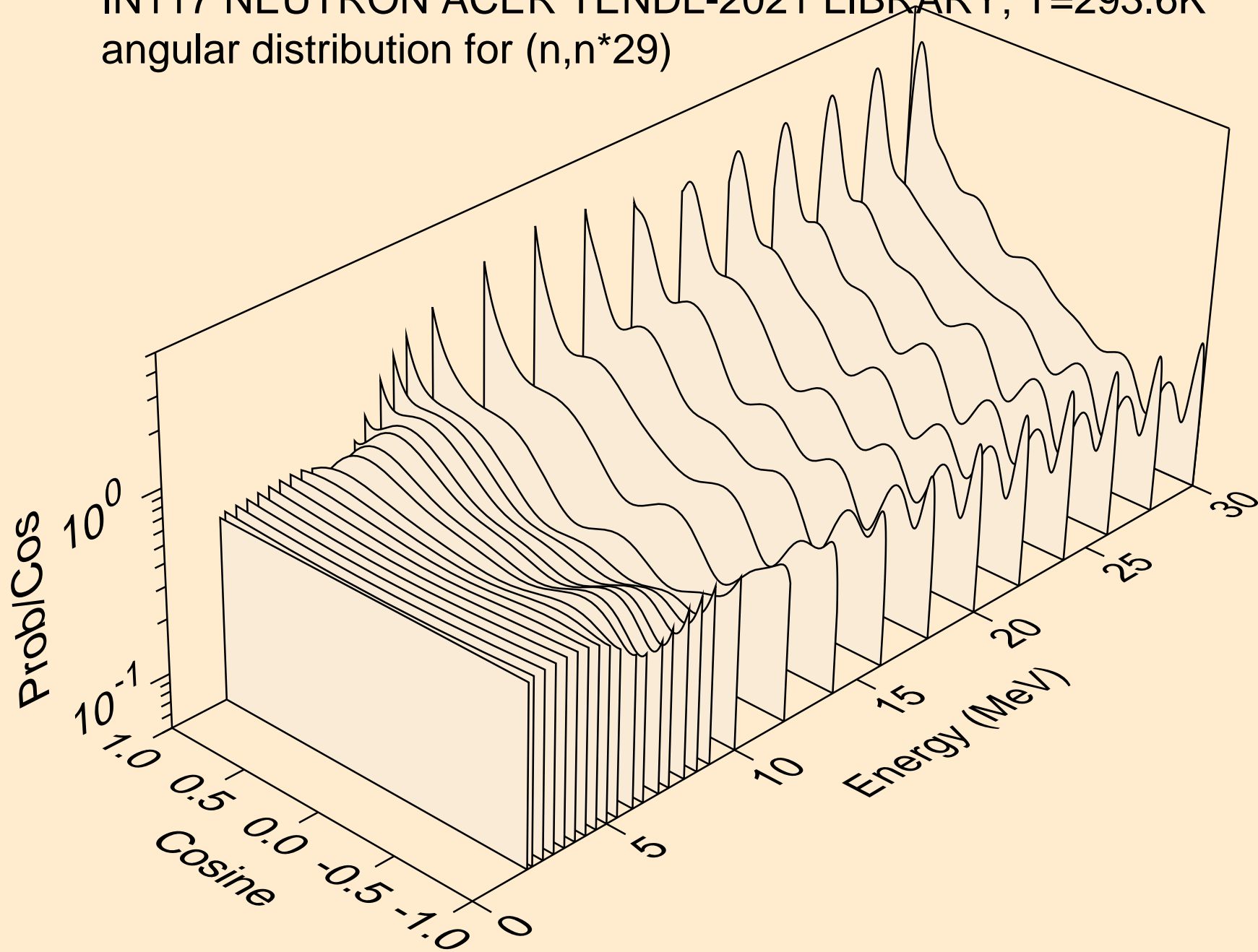
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*27)



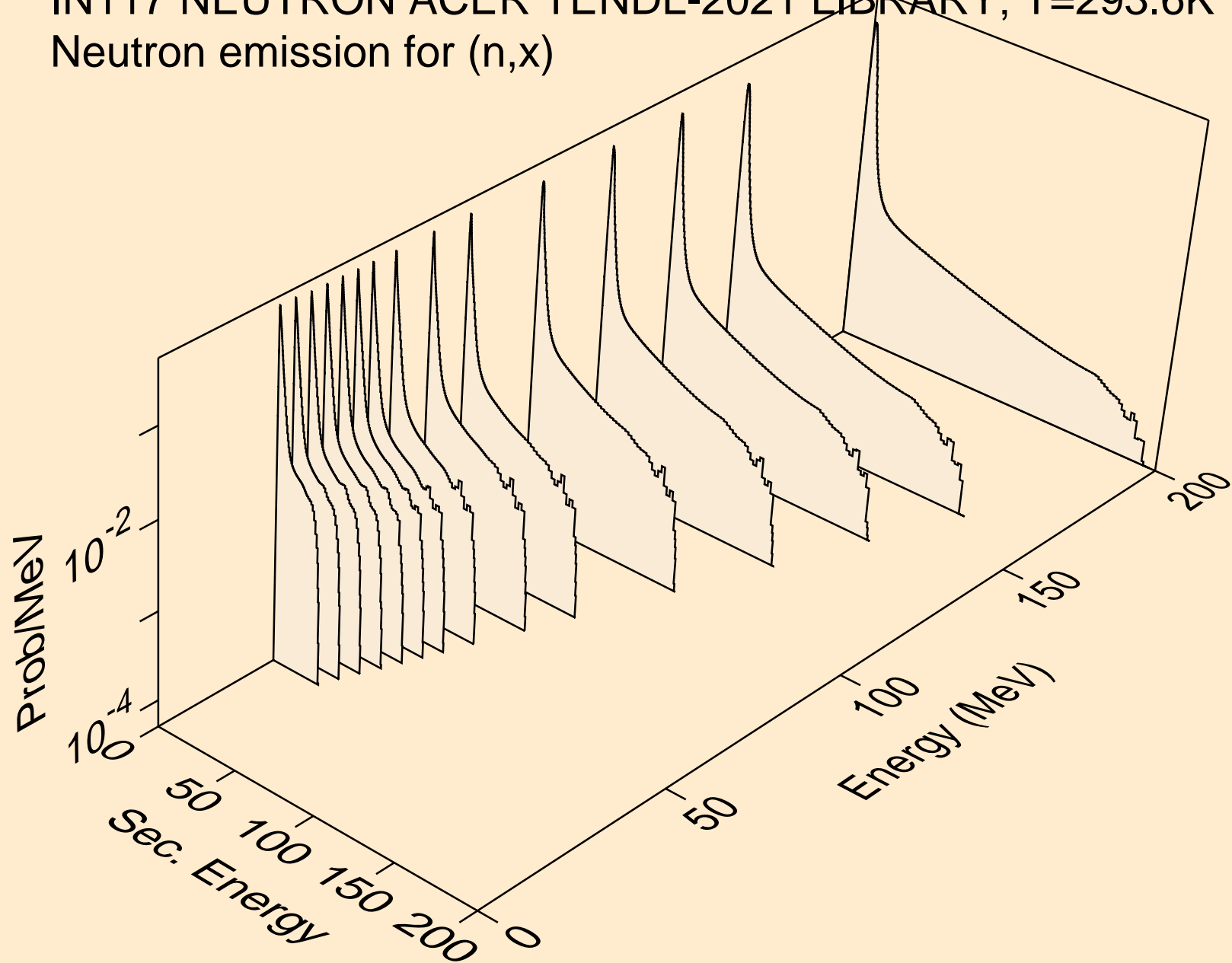
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*28)



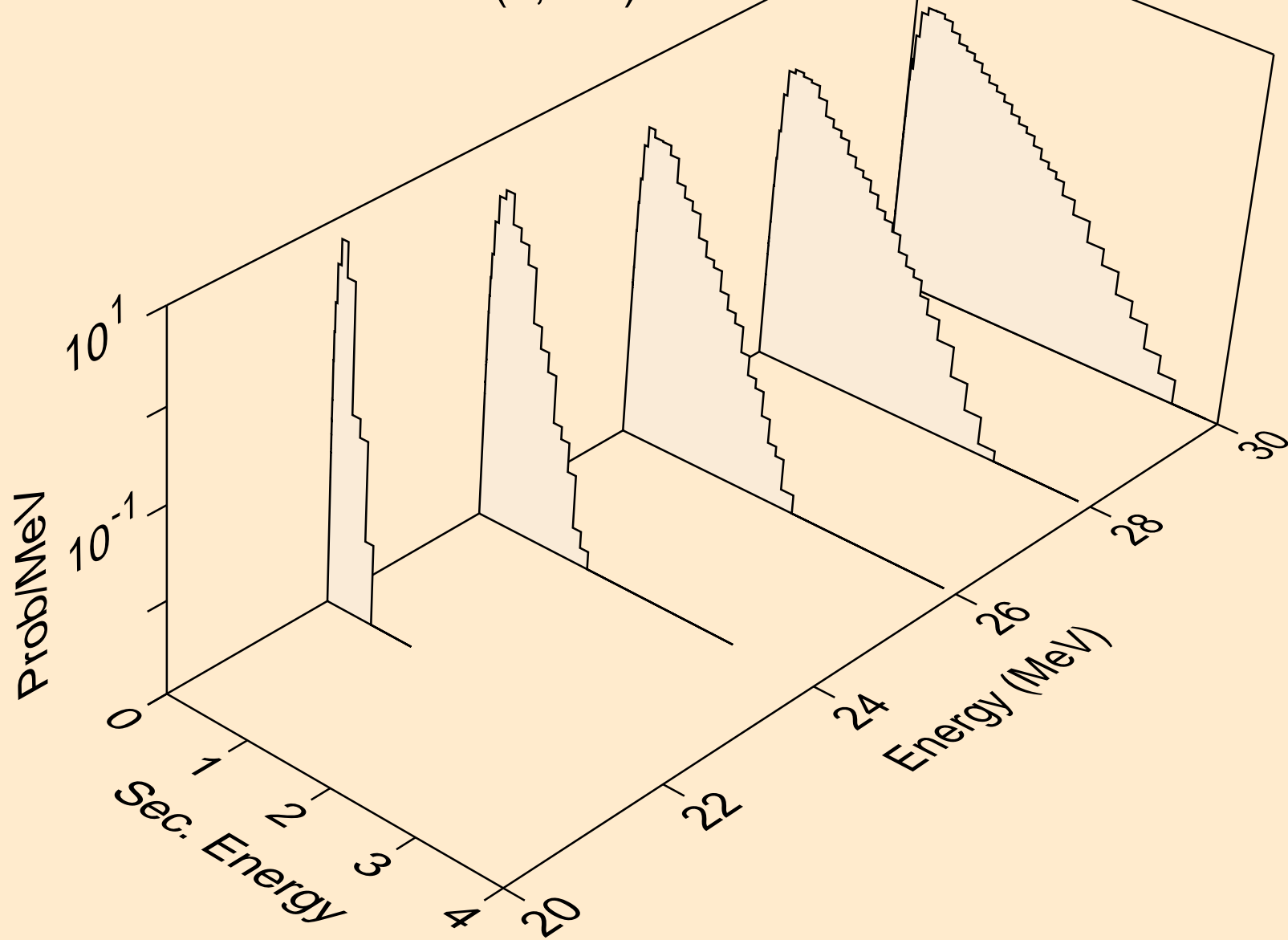
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*29)



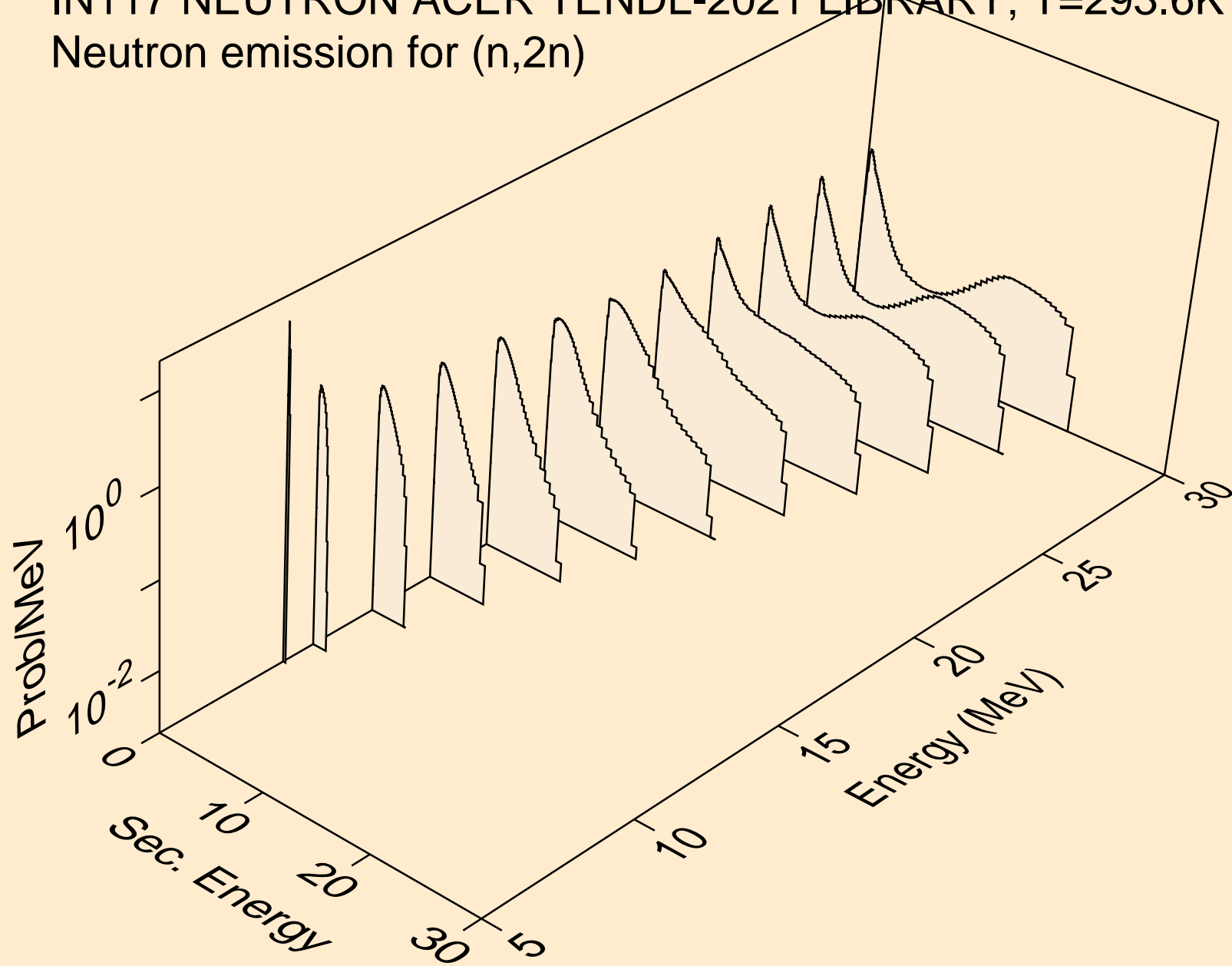
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



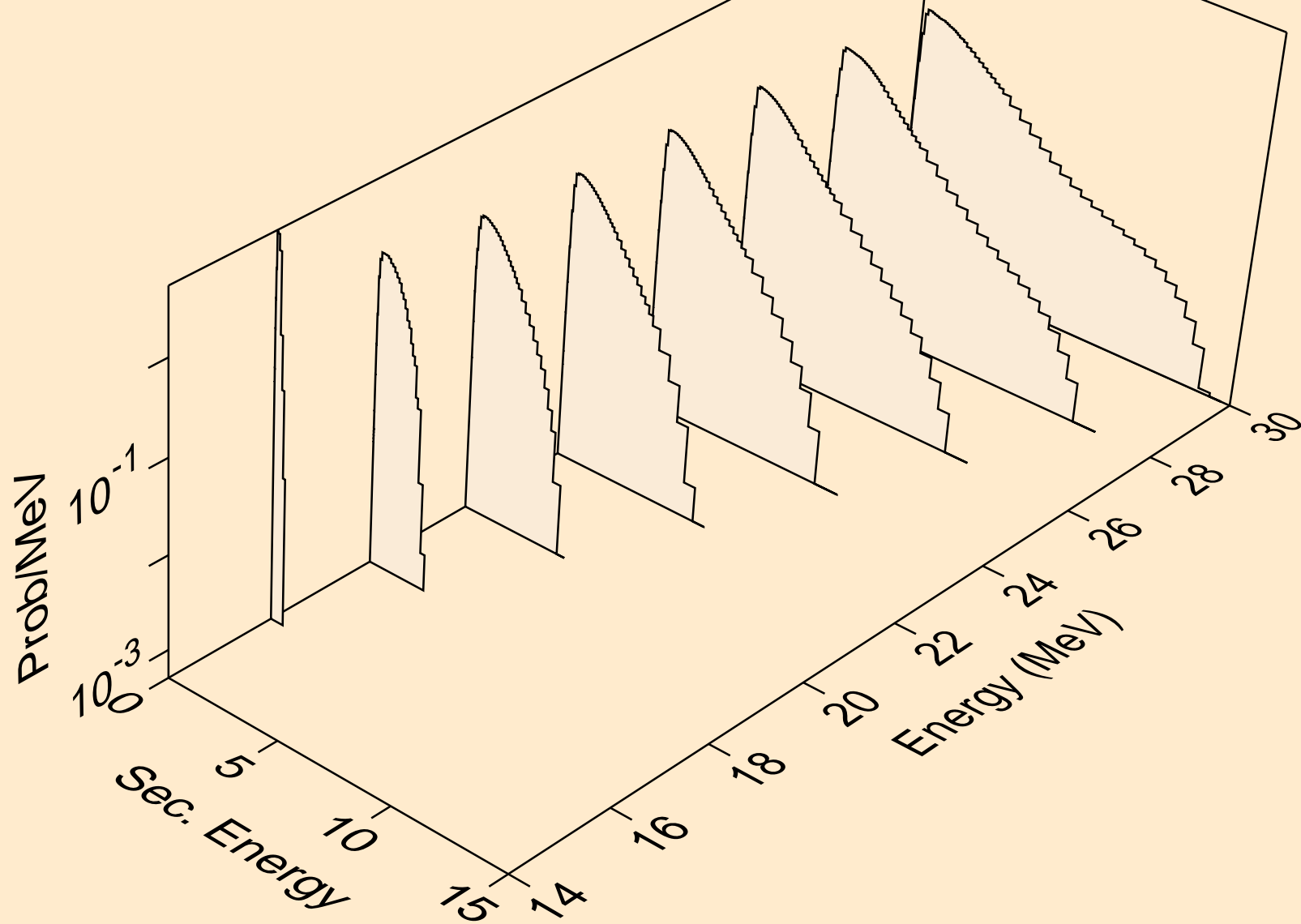
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)

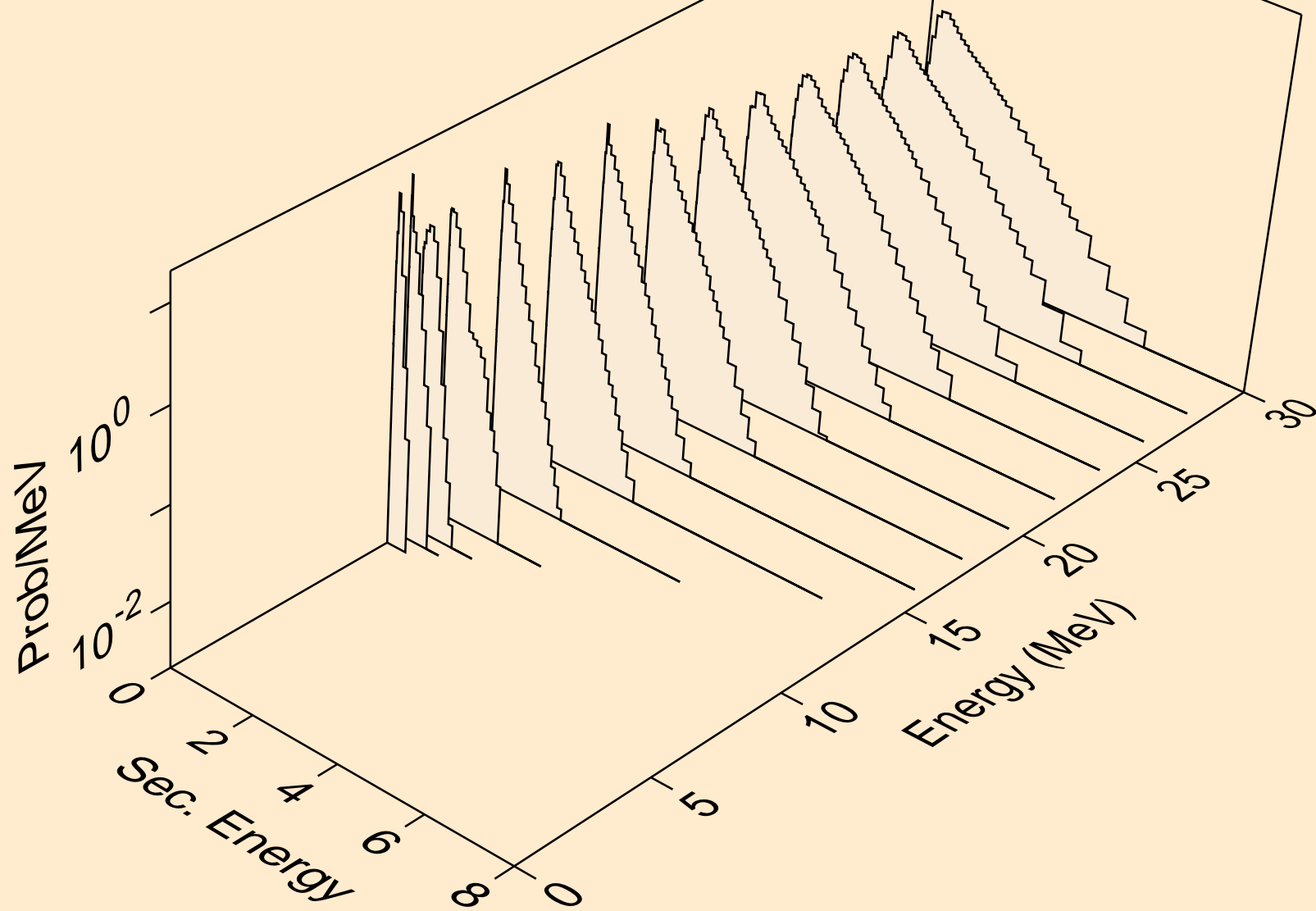


IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)

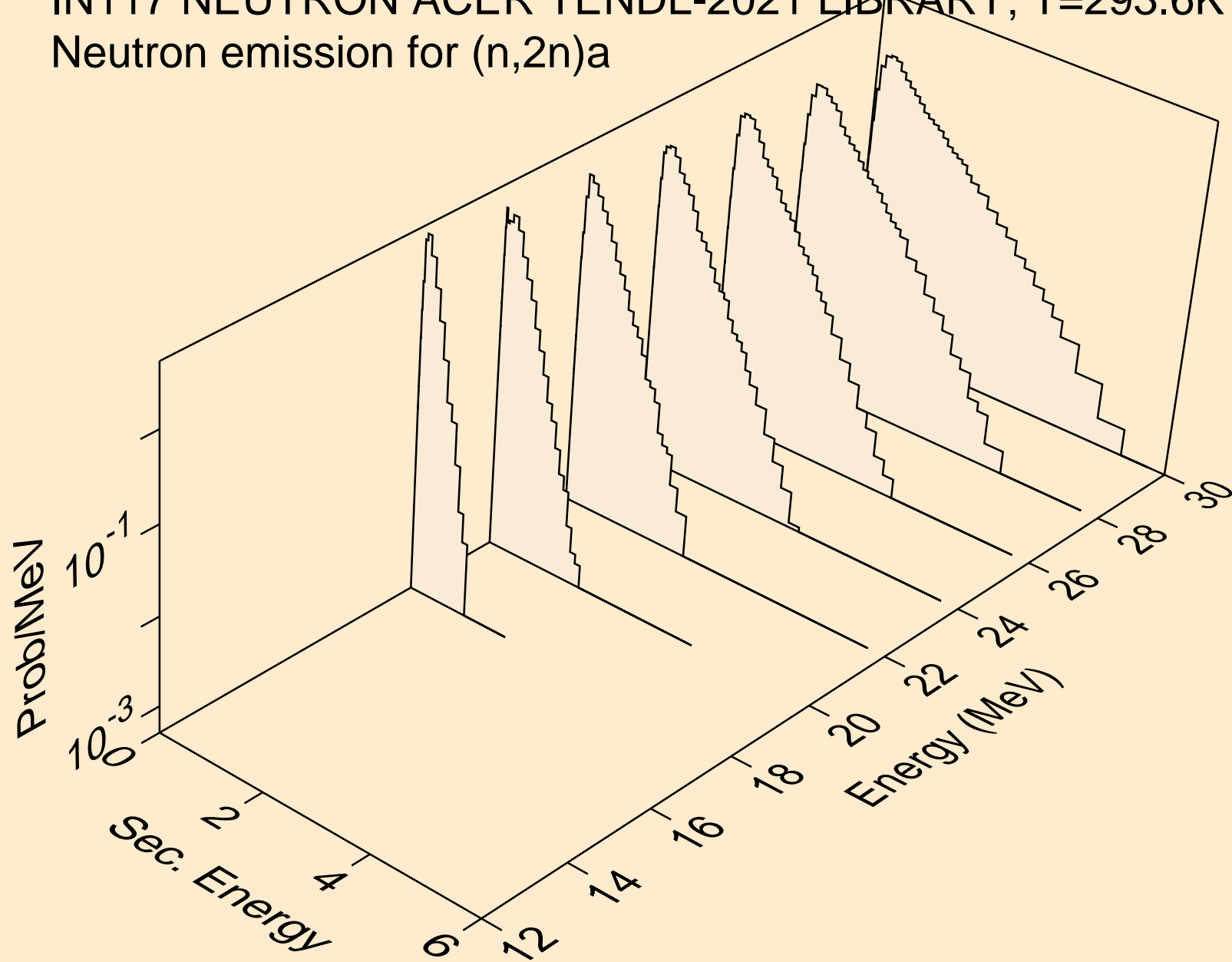




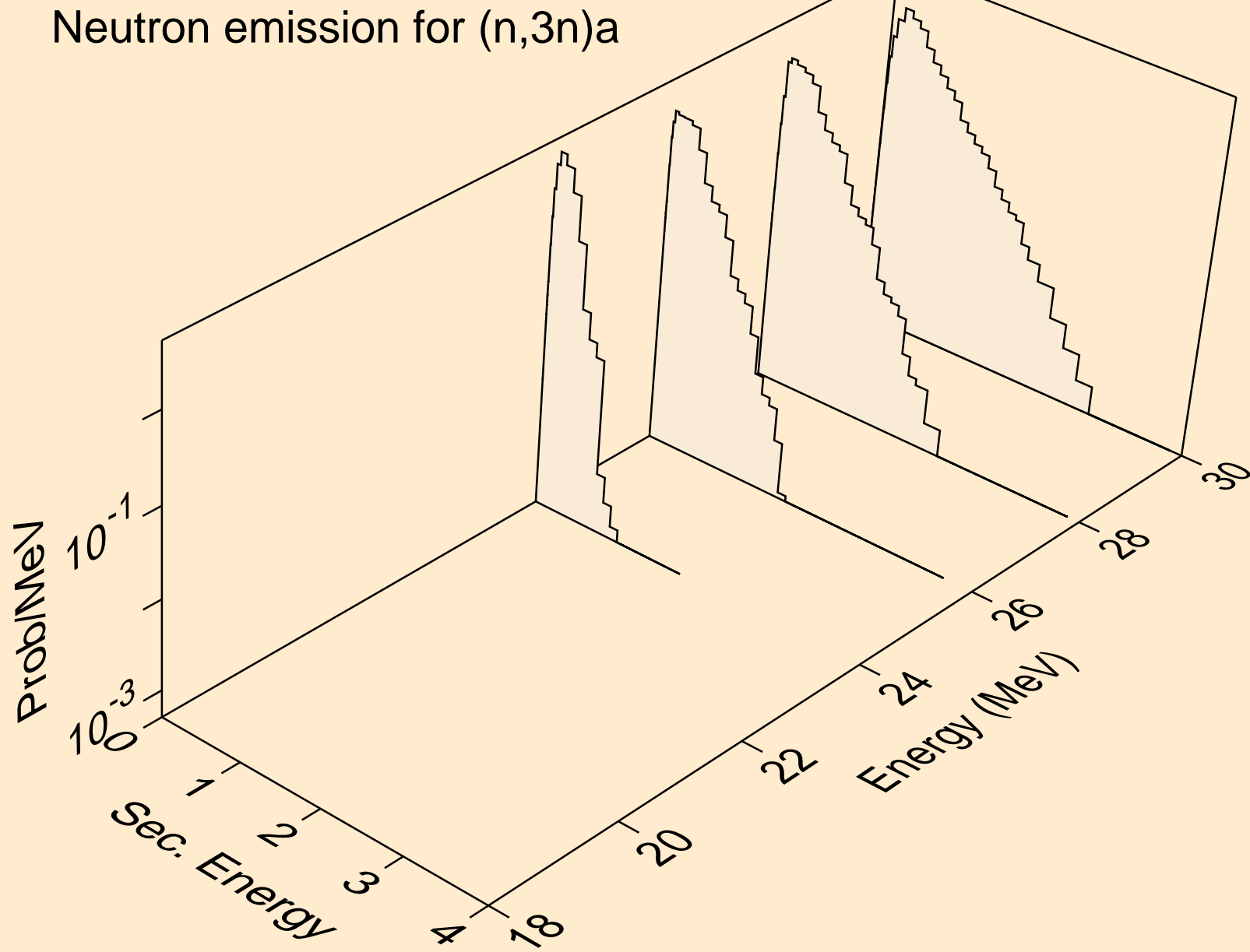
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



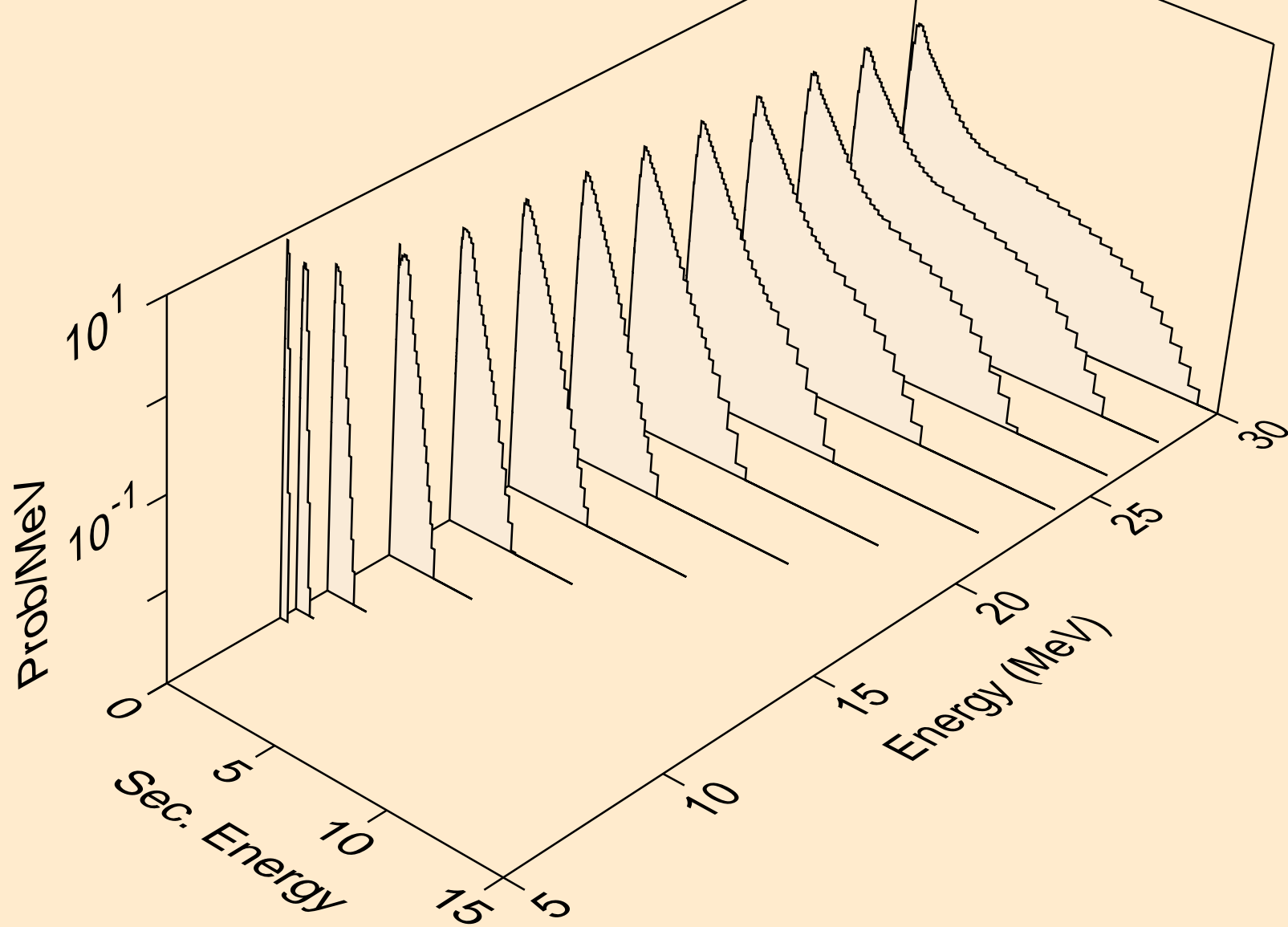
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a



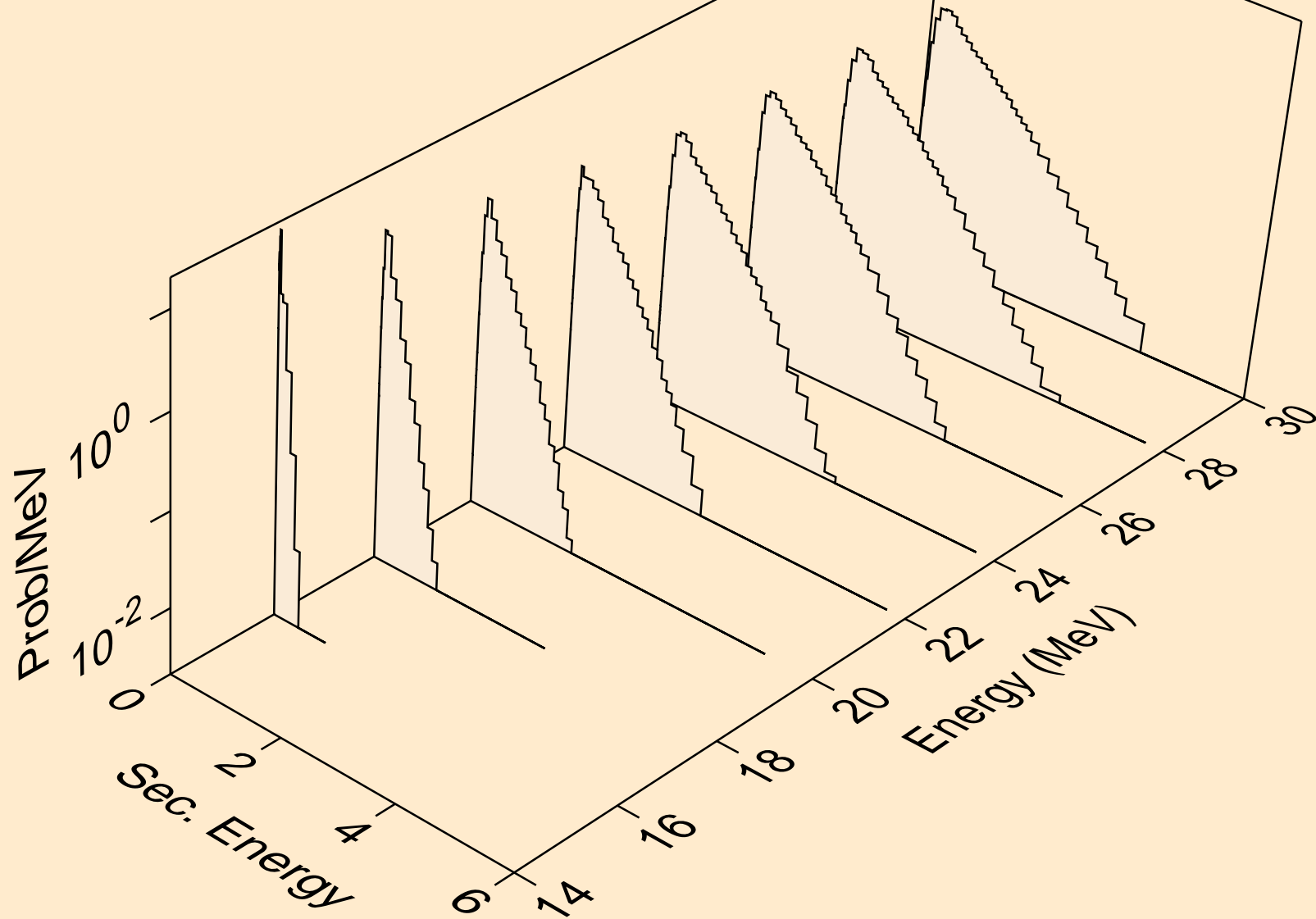
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



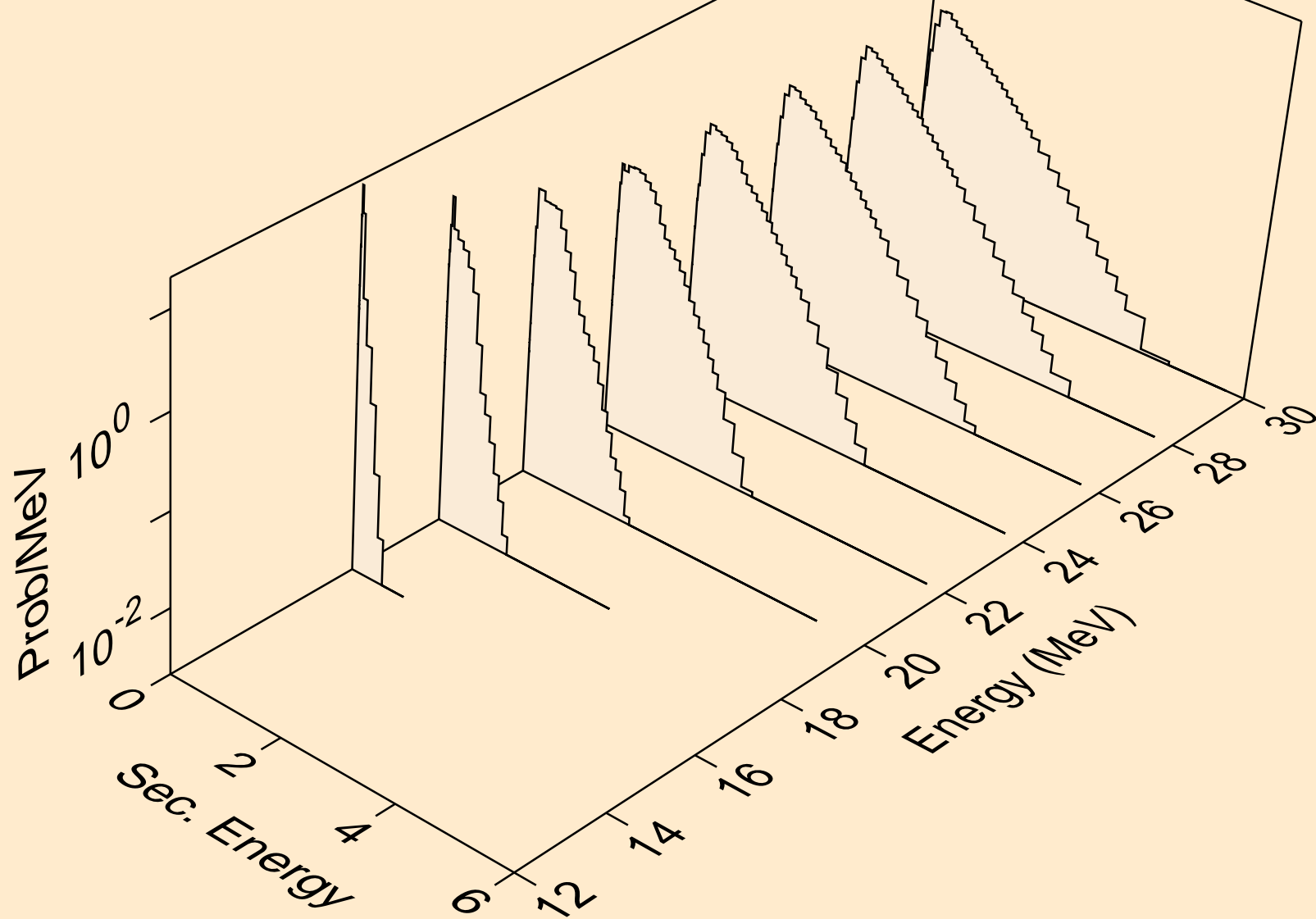
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



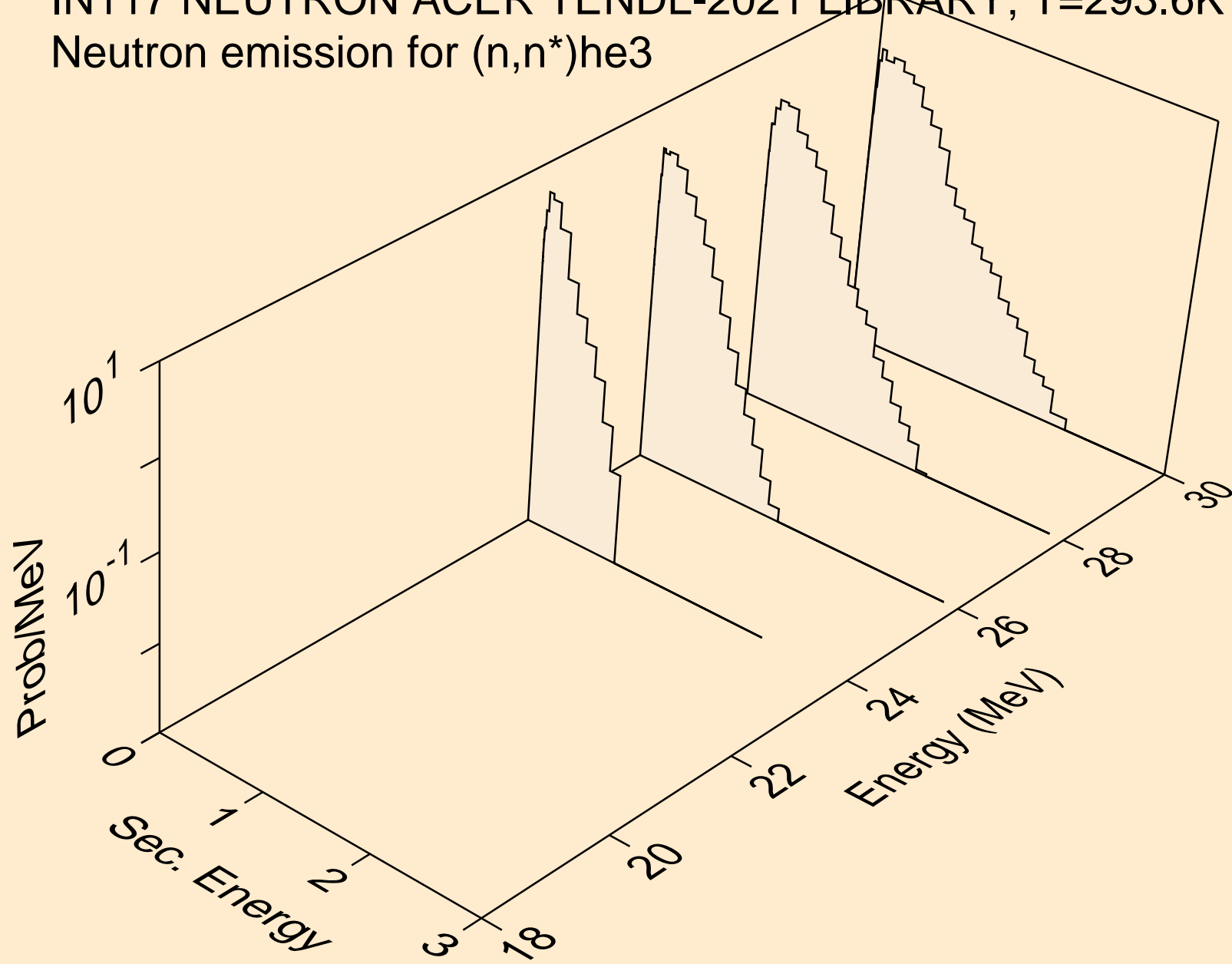
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



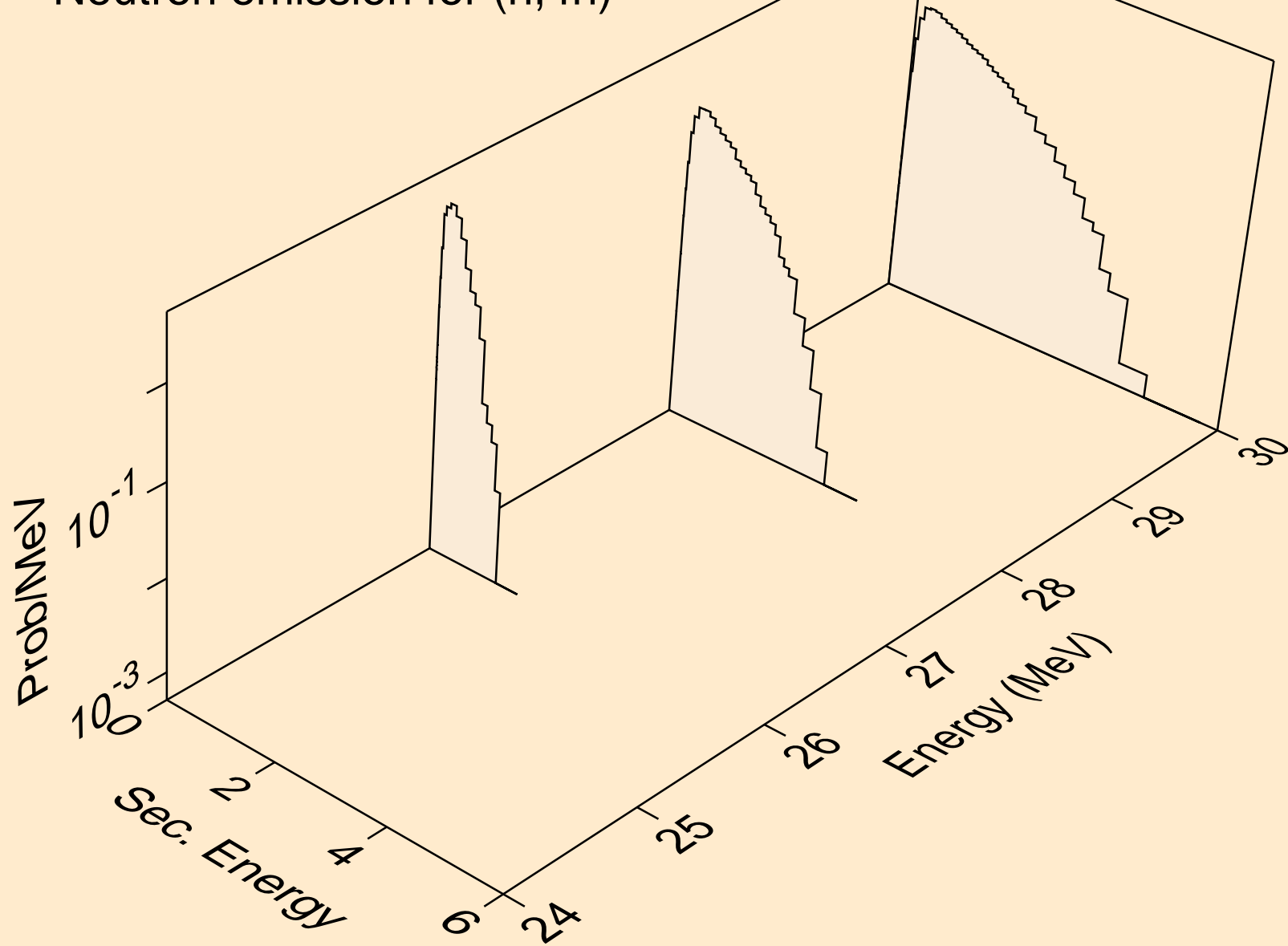
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3

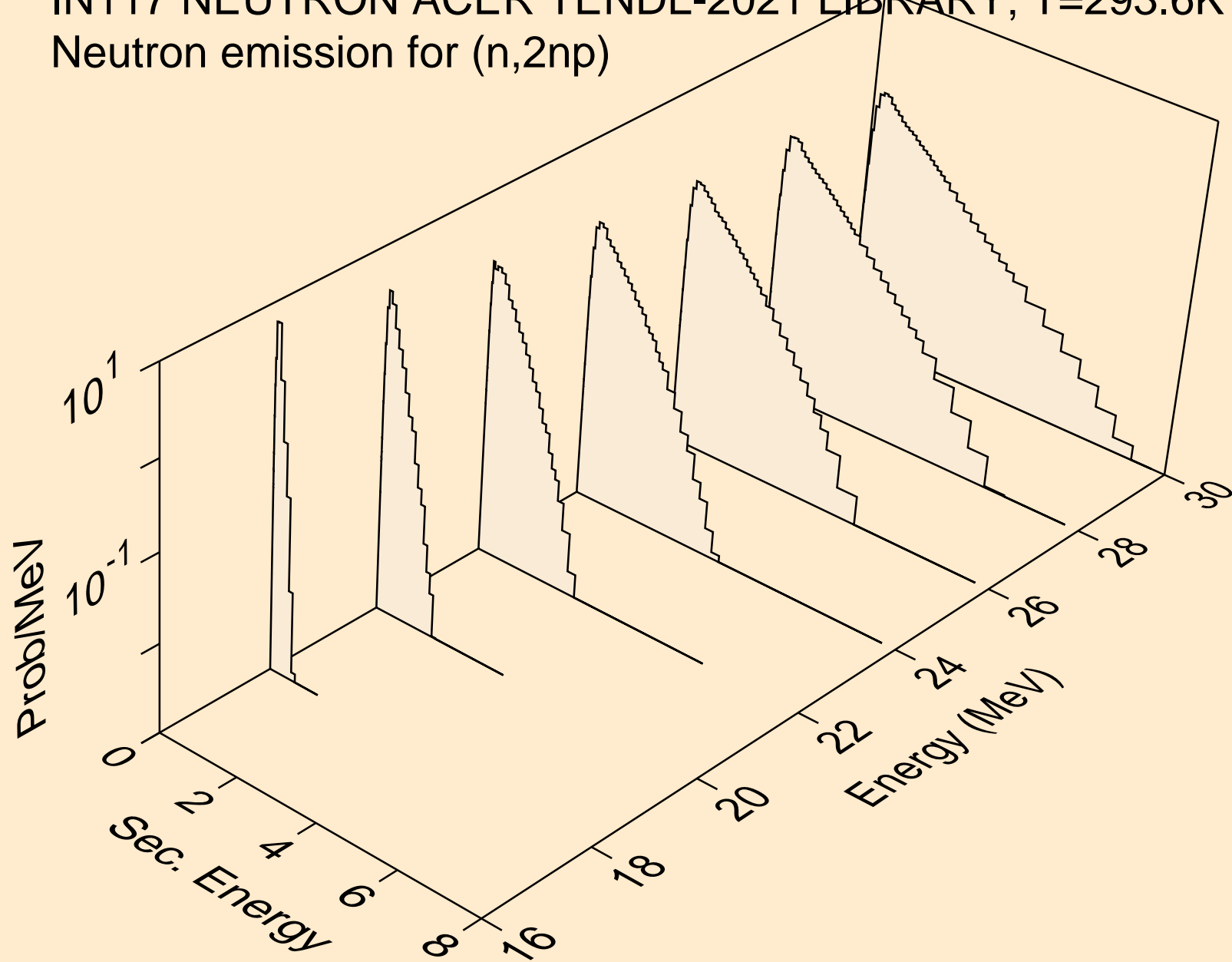


IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,4n)

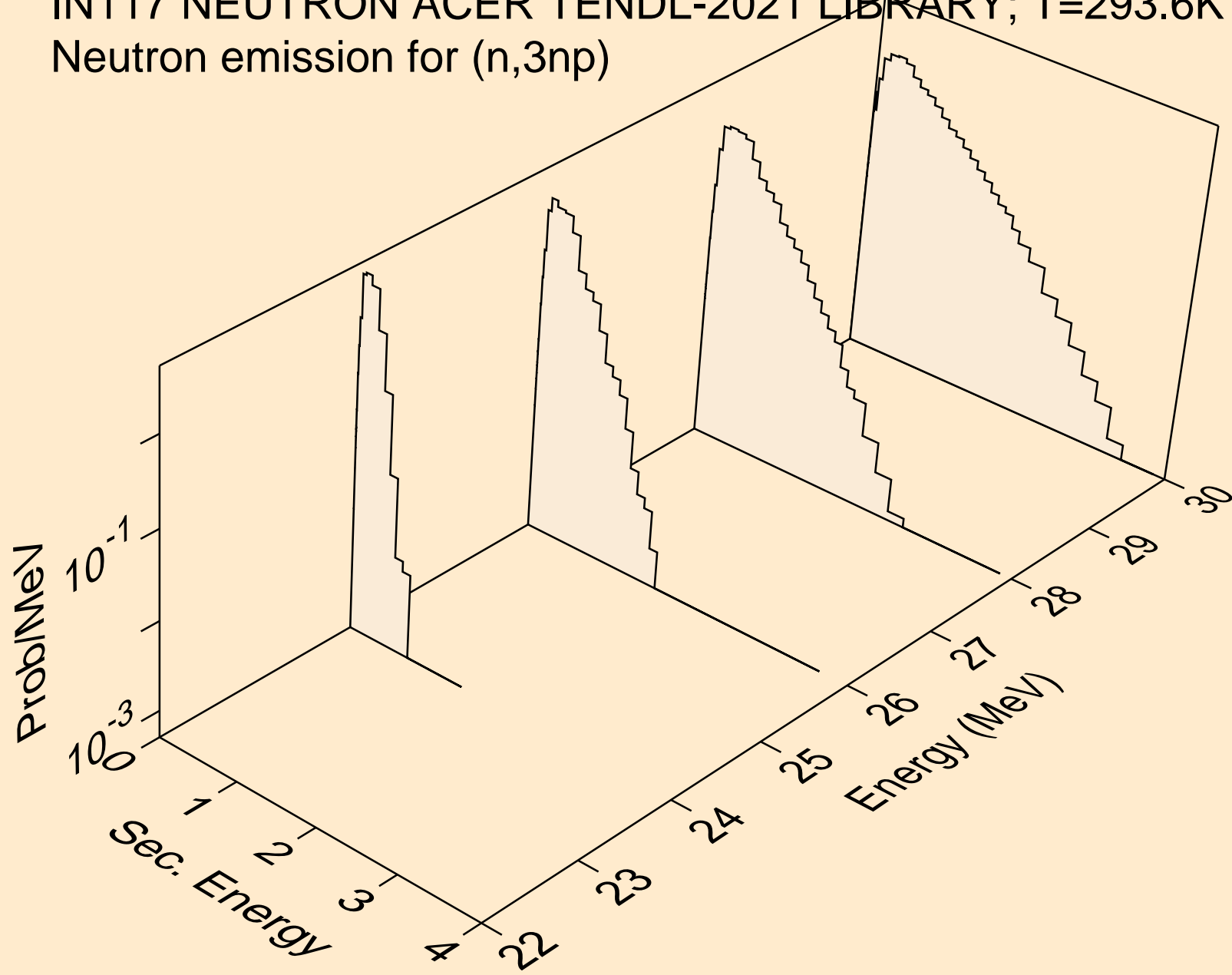




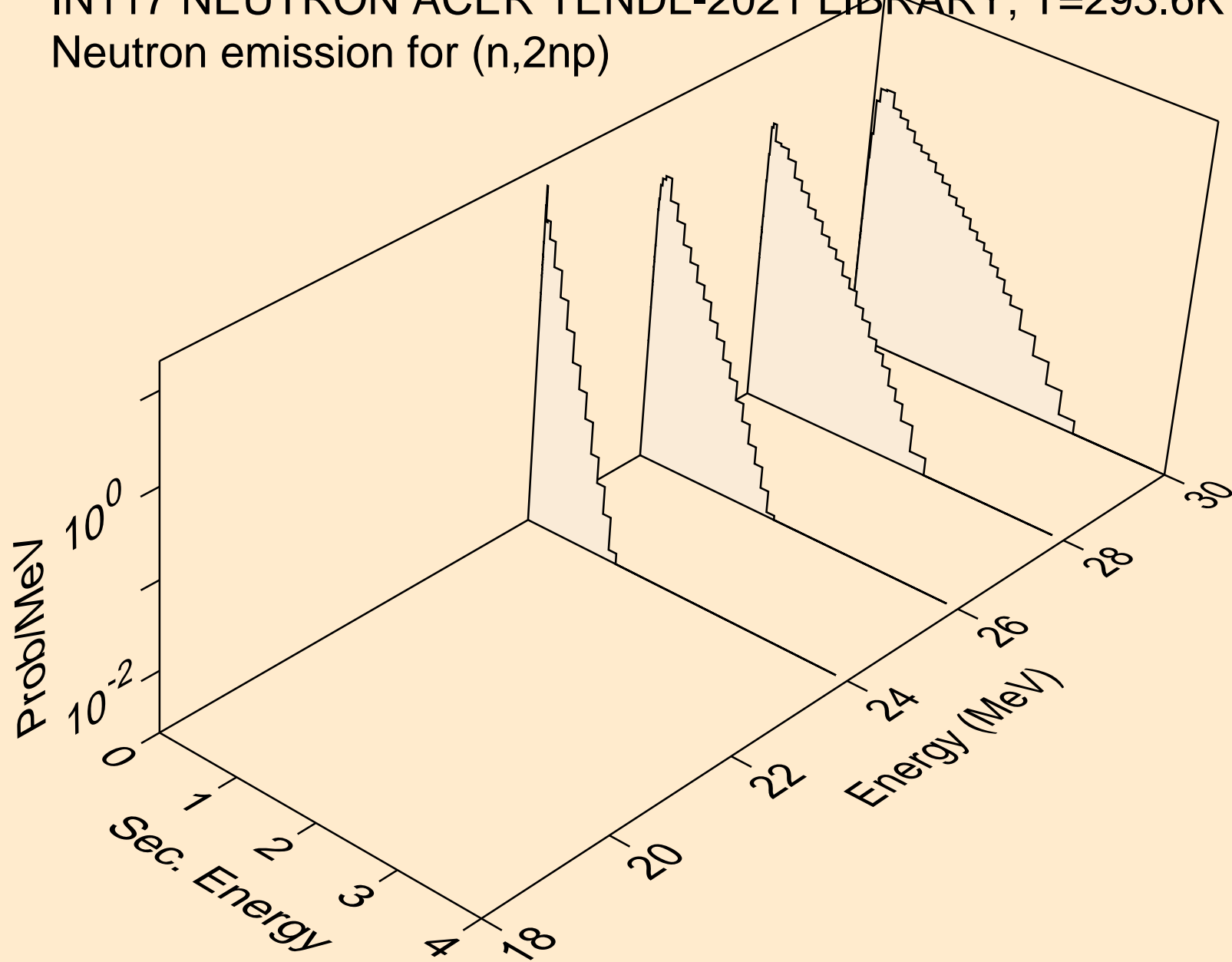
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



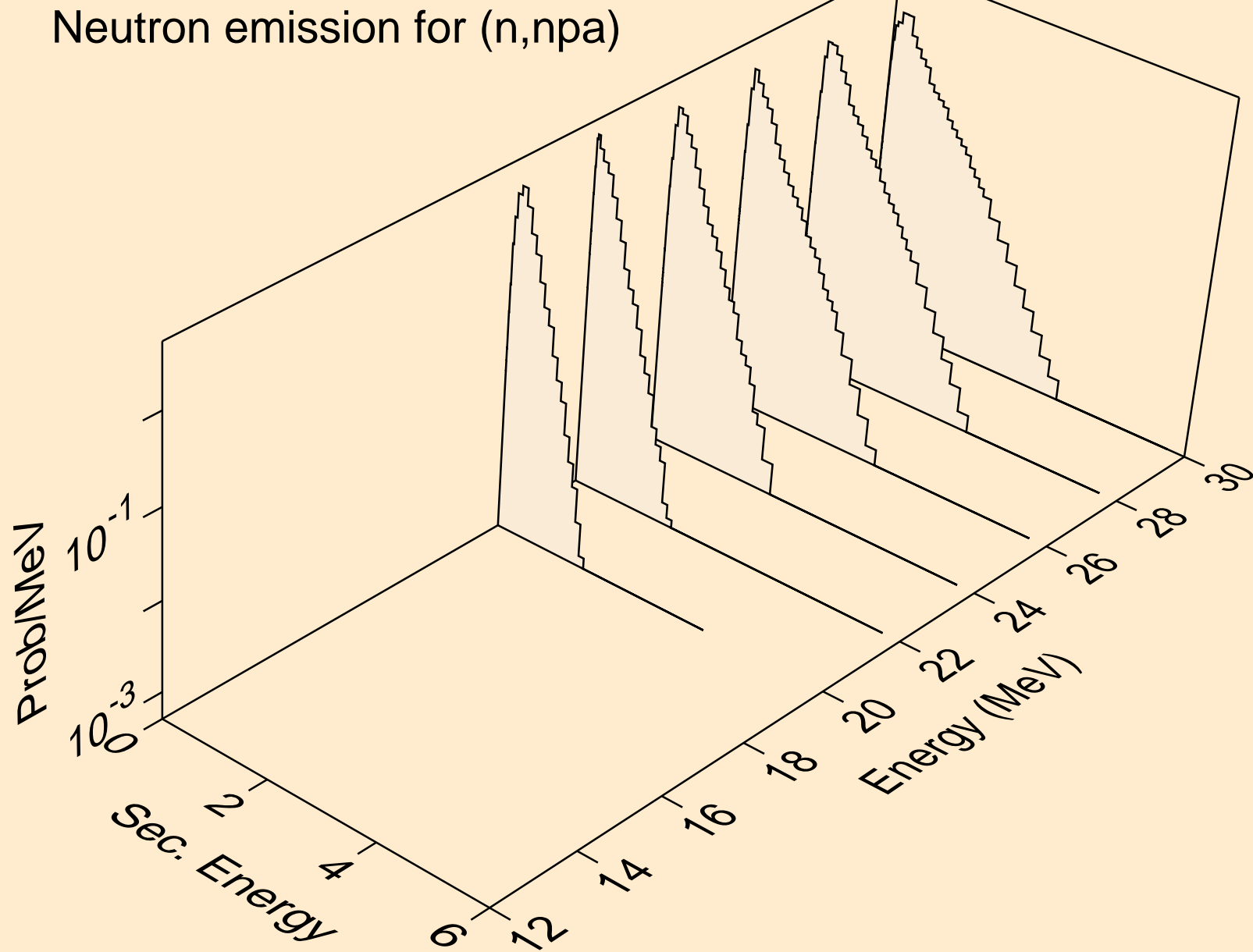
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



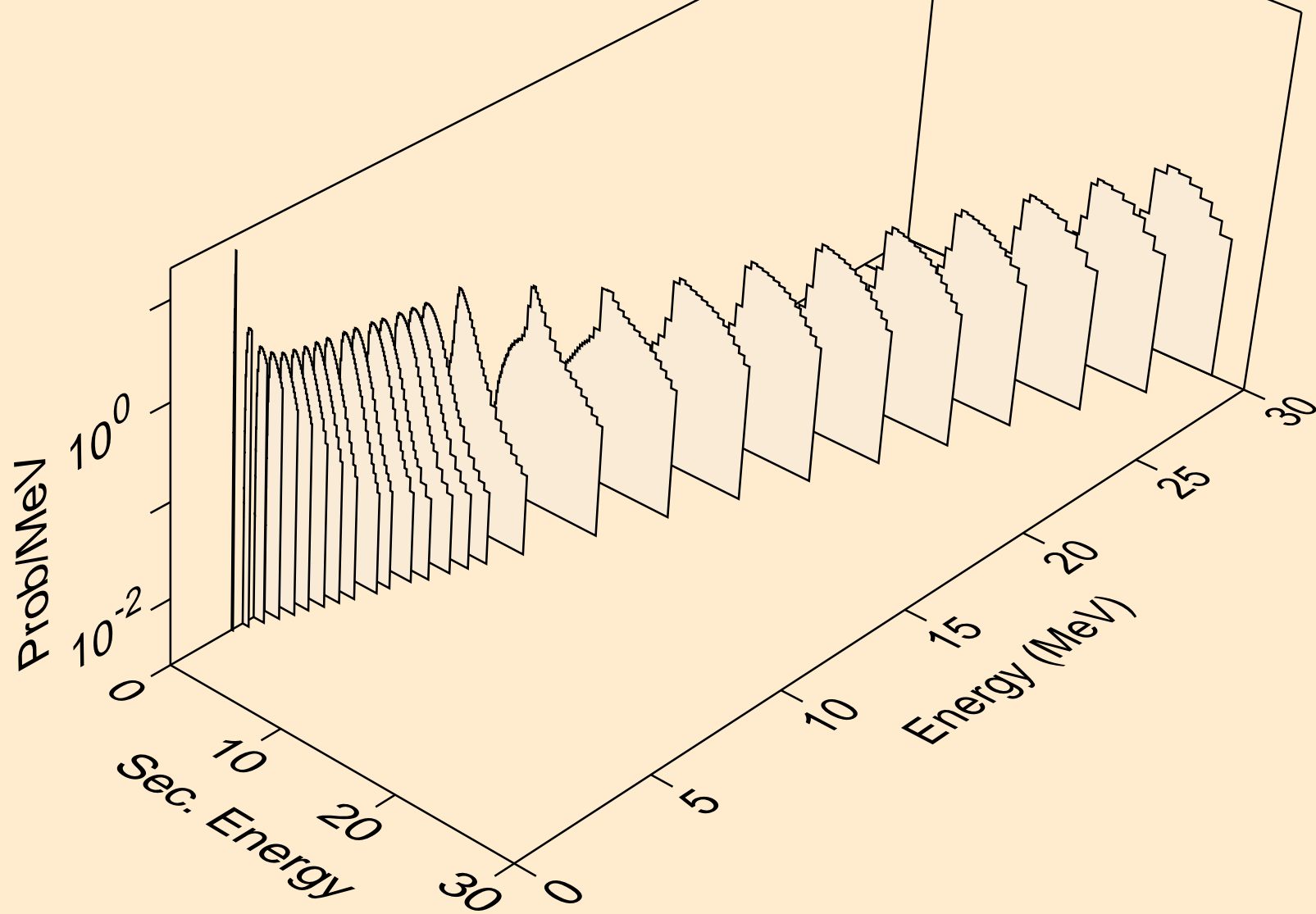
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



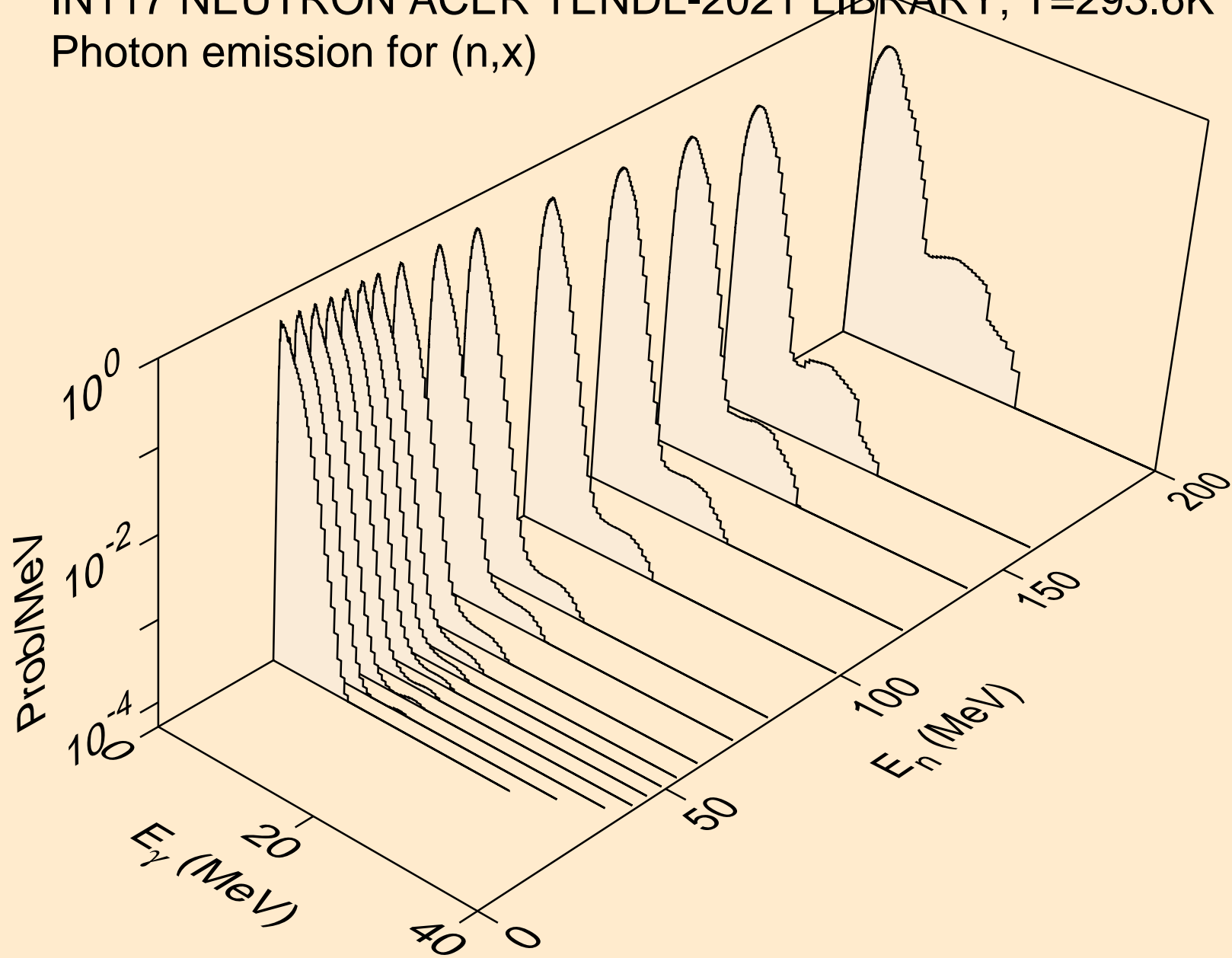
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



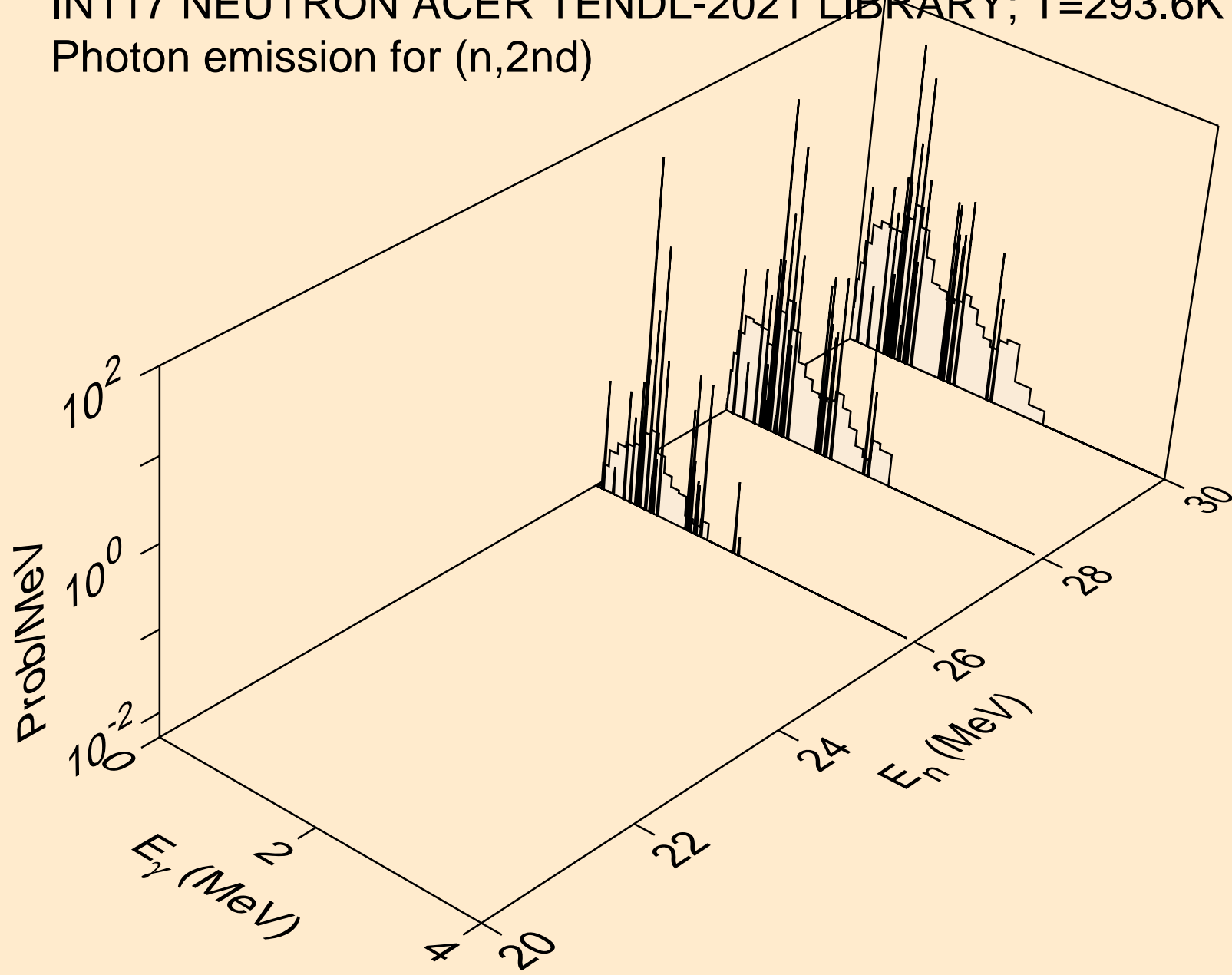
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



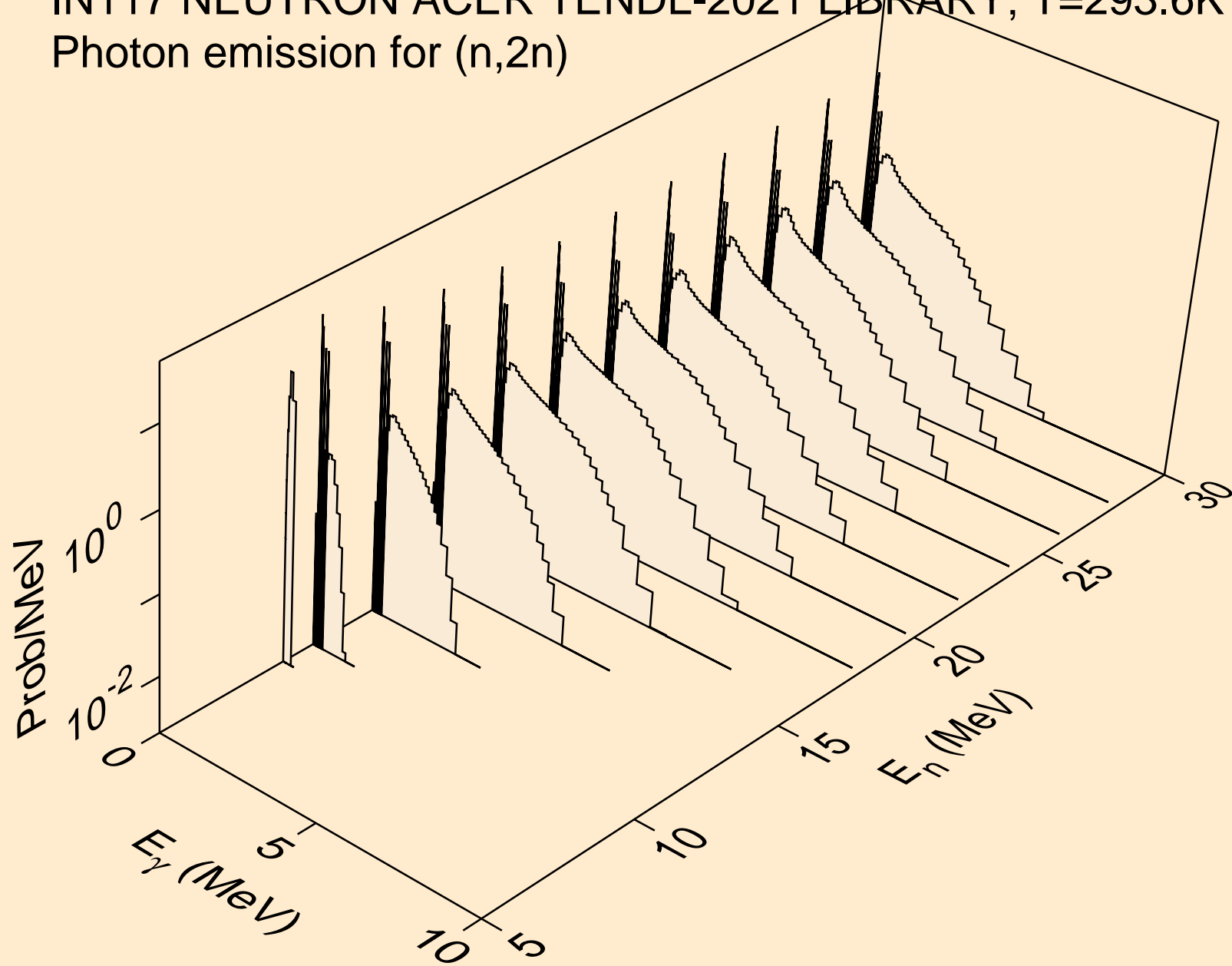
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2nd)

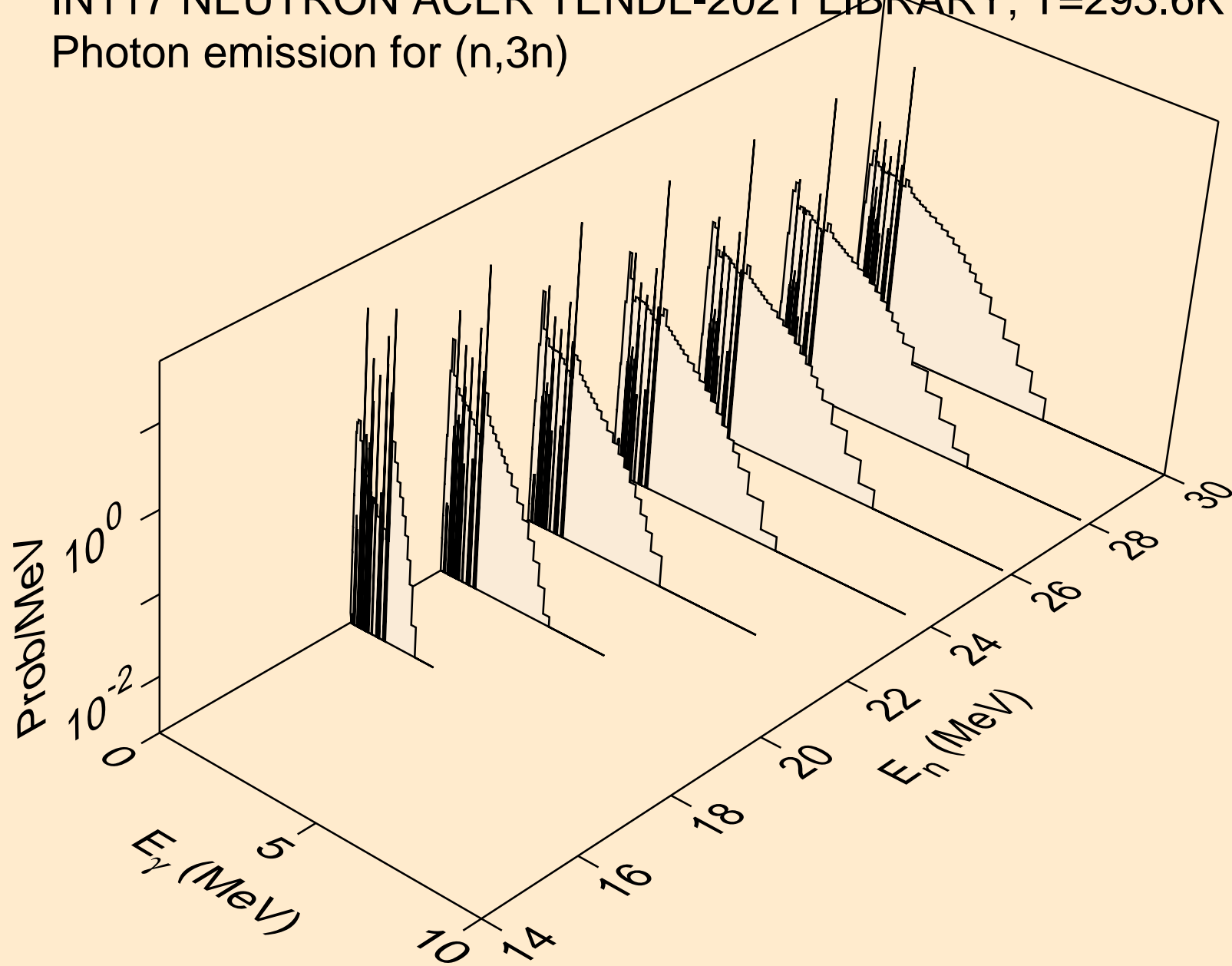


IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)

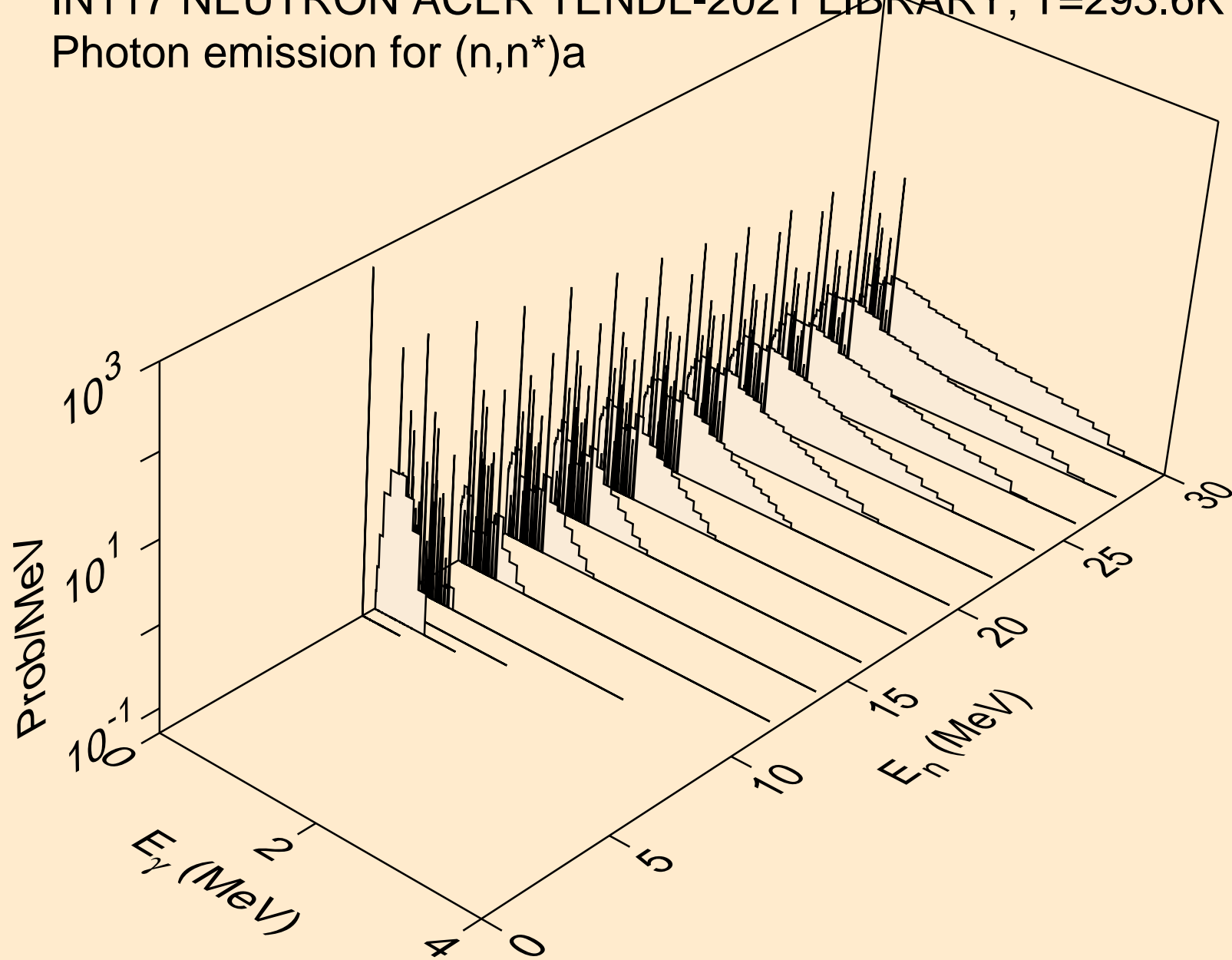




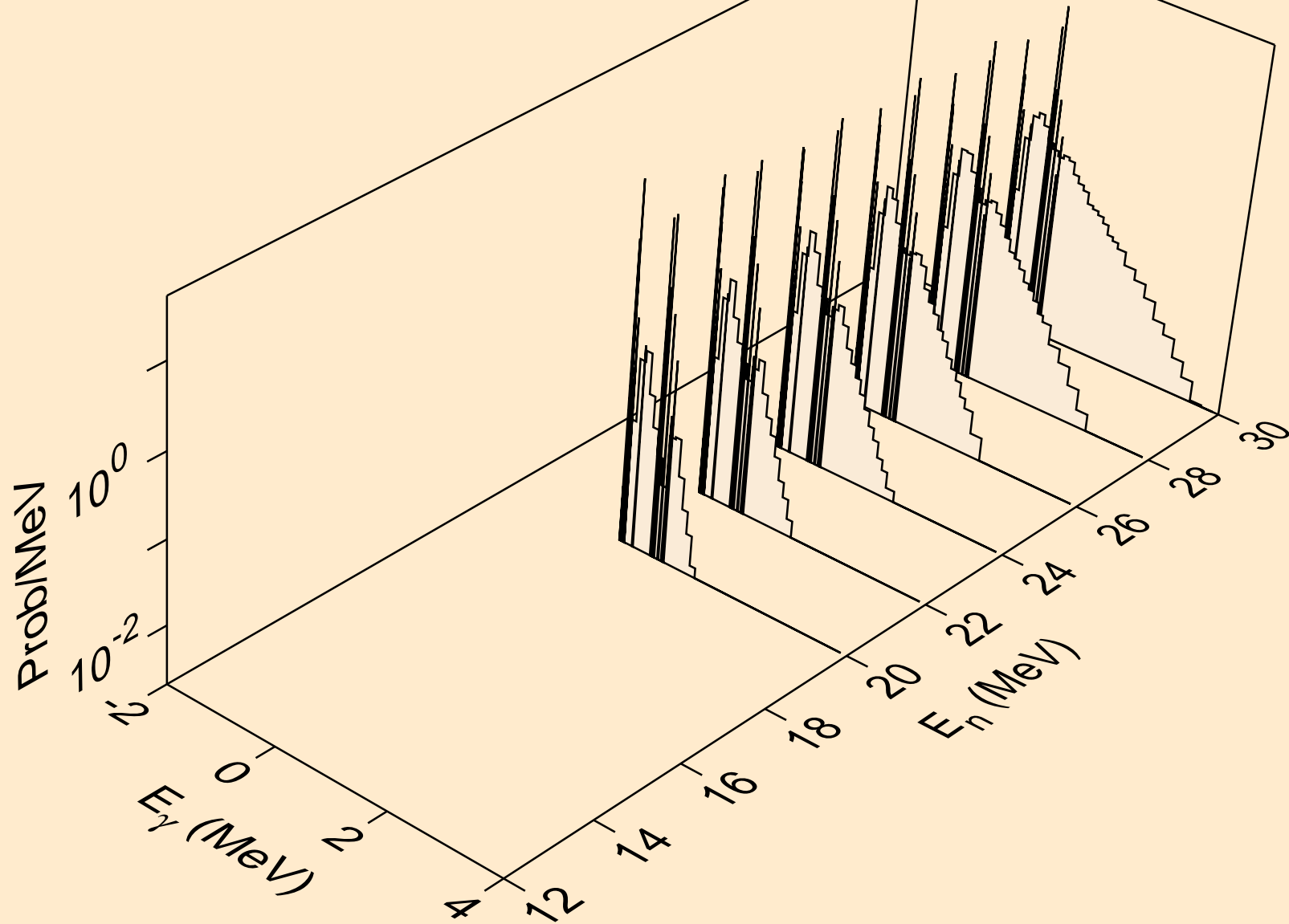
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Photon emission for (n,3n)



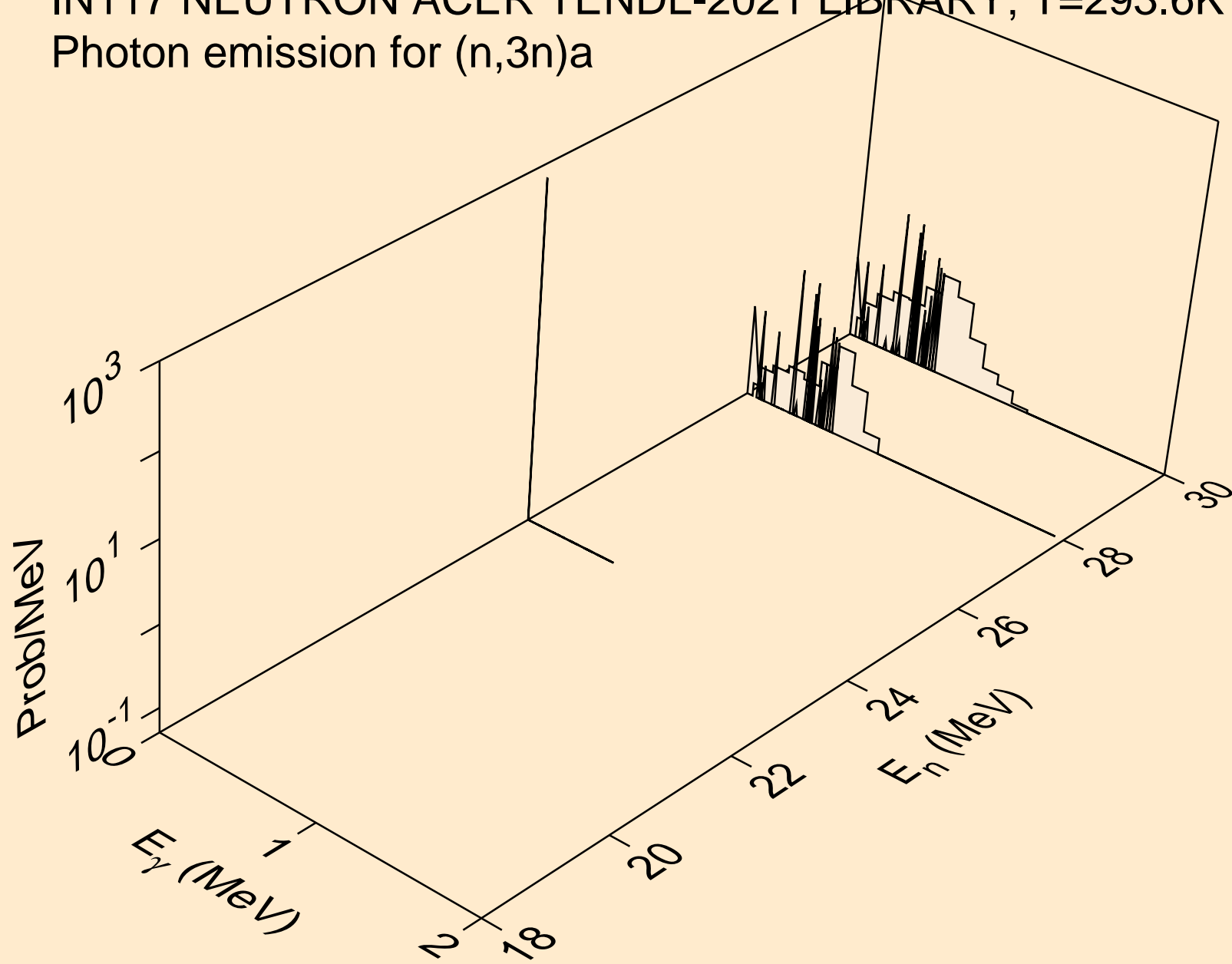
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



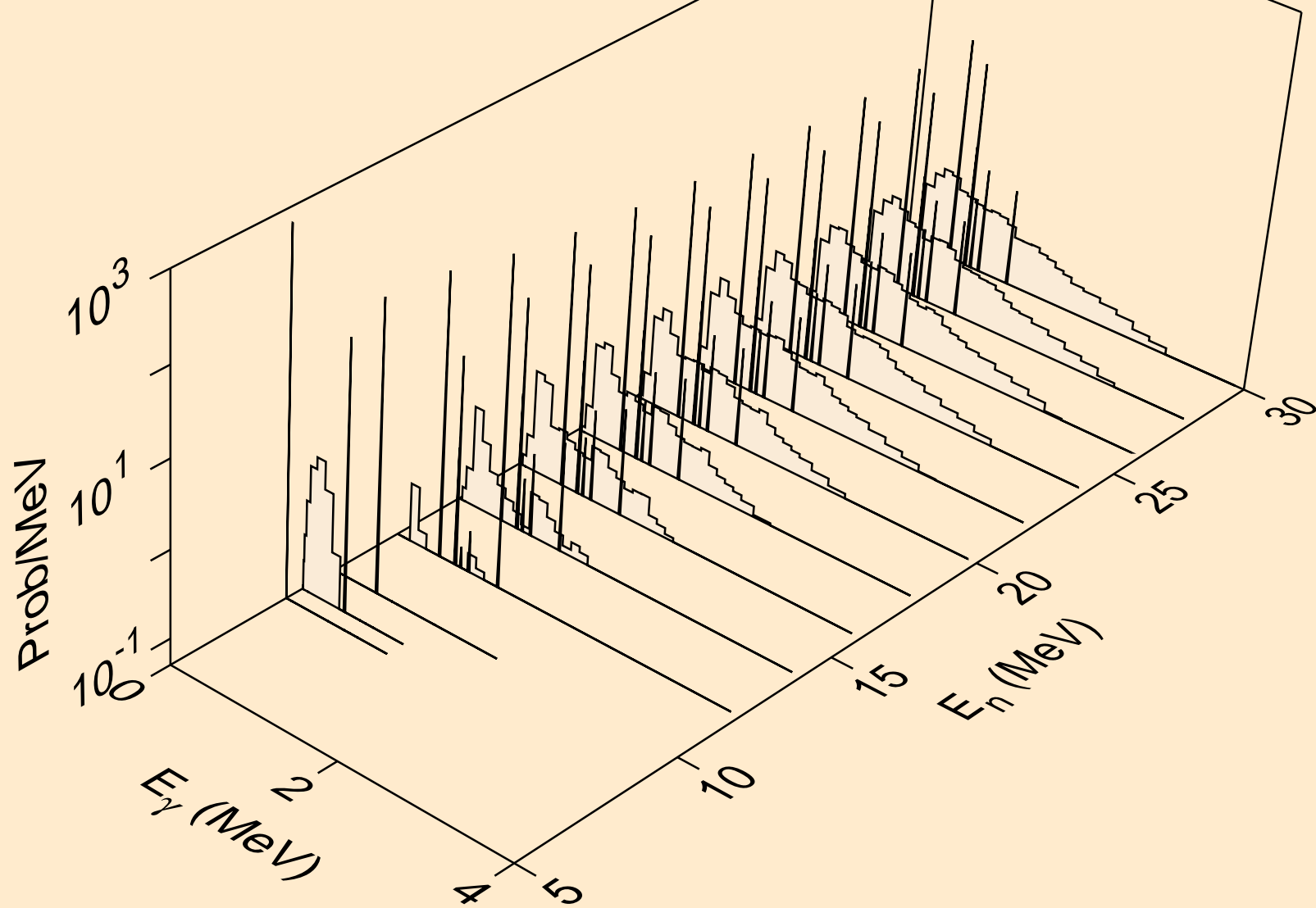
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Photon emission for (n,2n)a



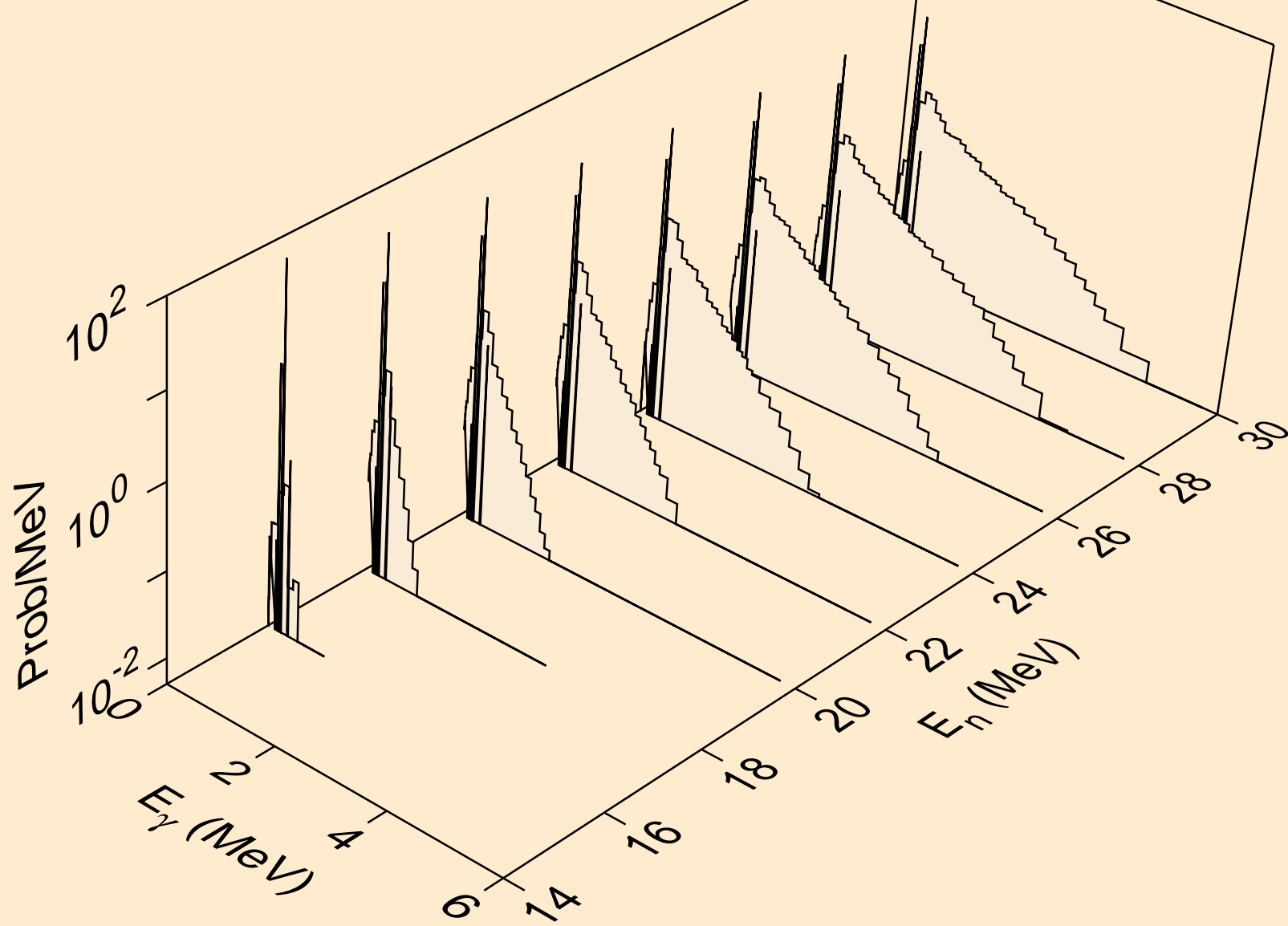
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Photon emission for (n,3n)a



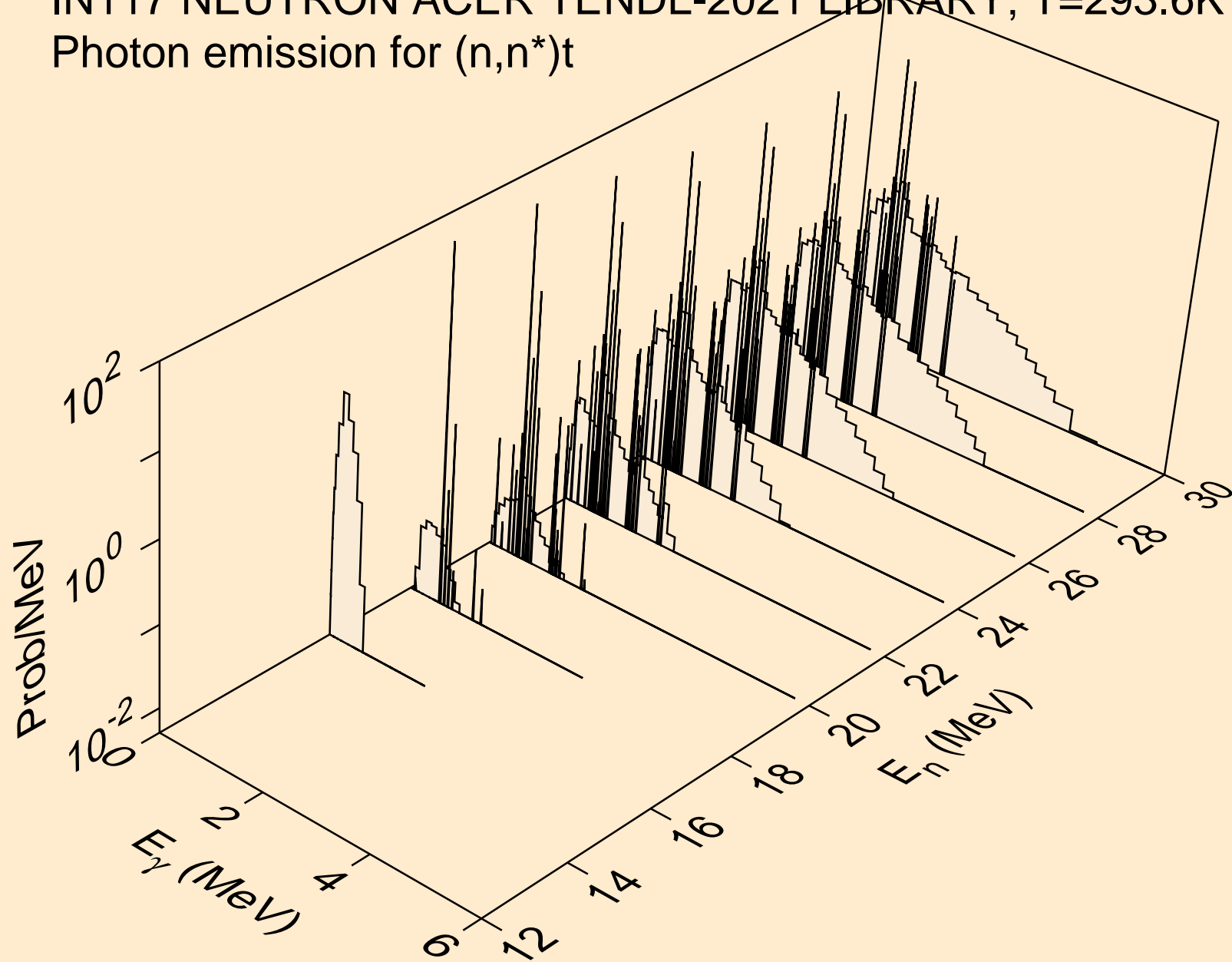
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Photon emission for (n,n\*)p



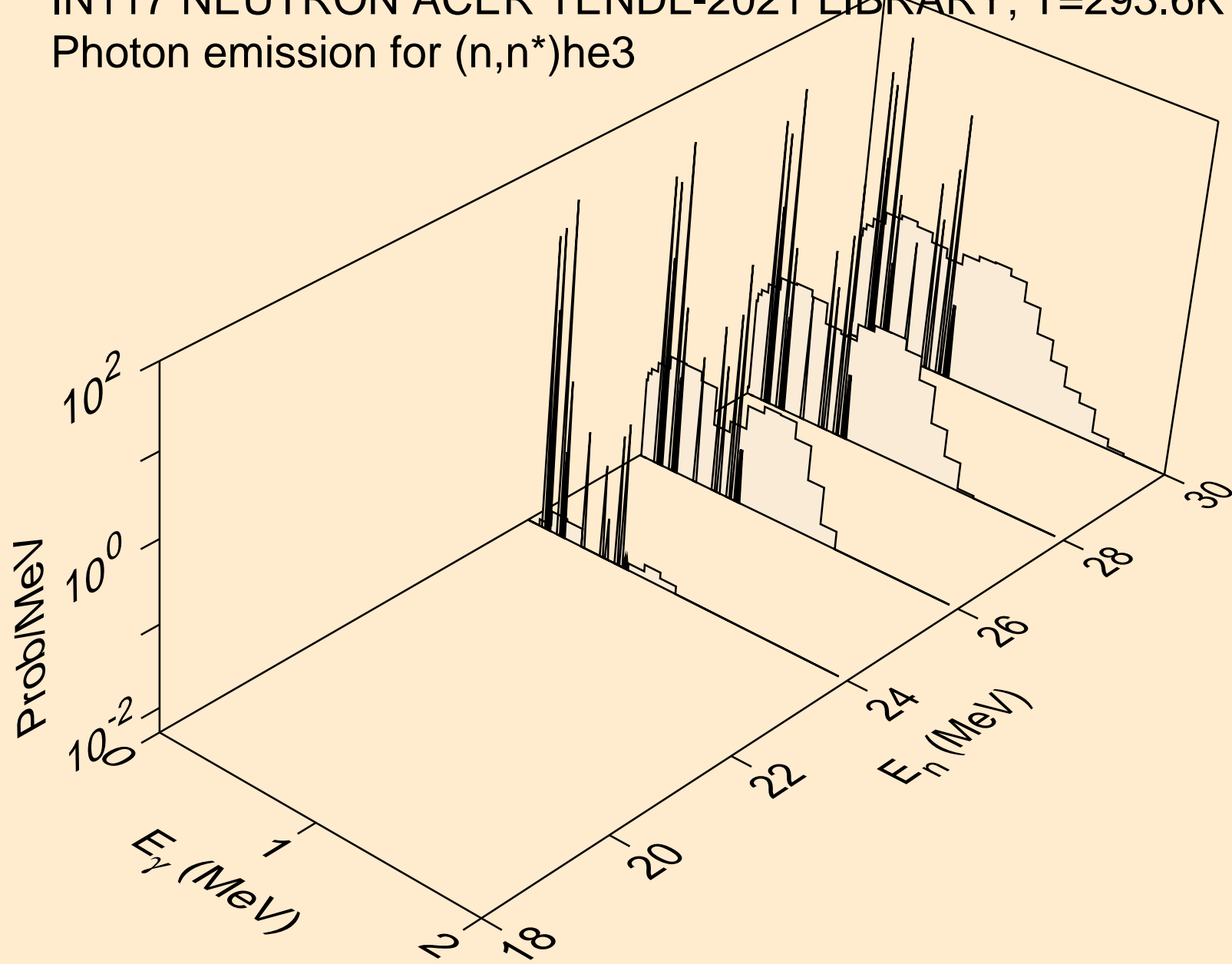
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t

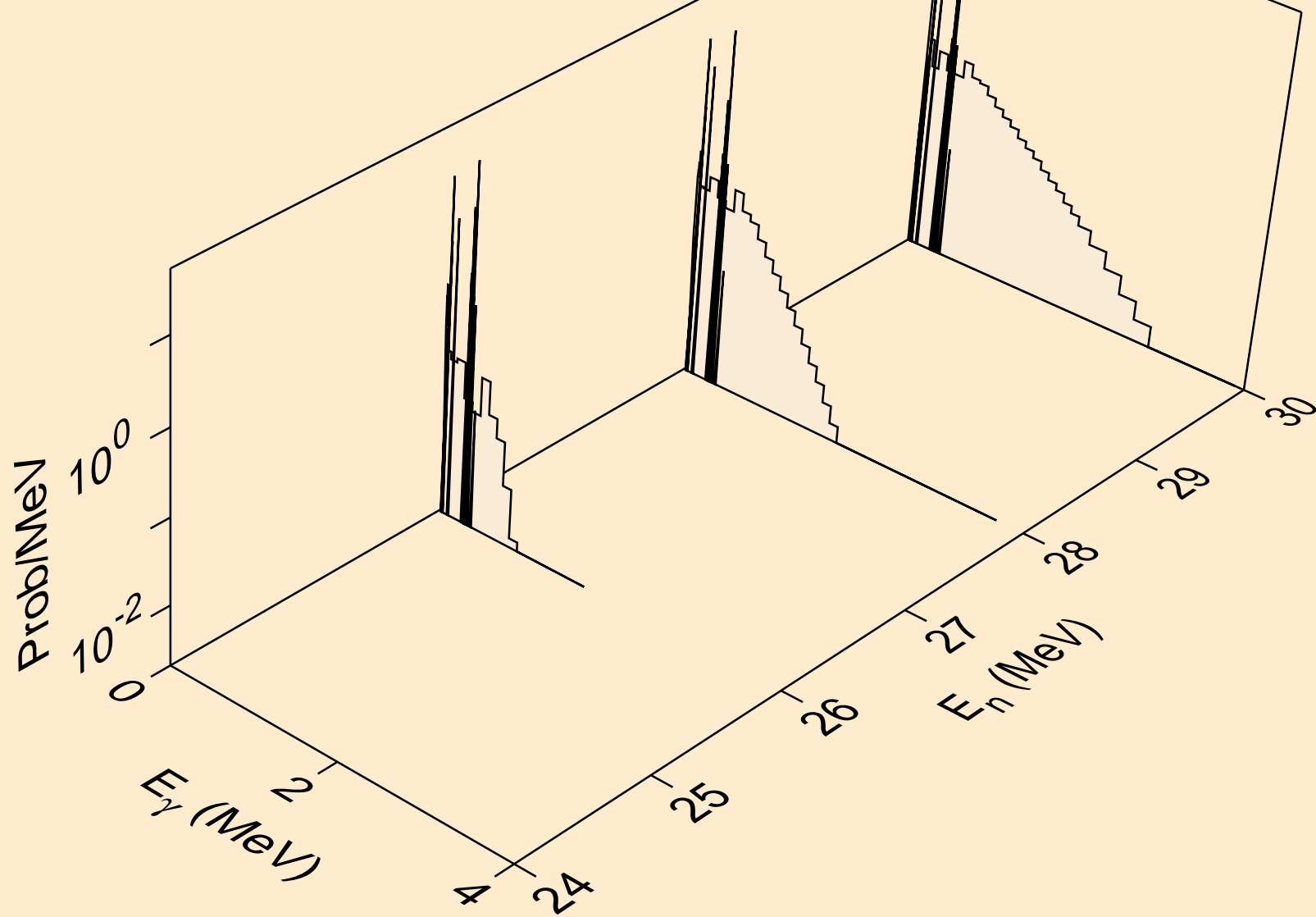


IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3

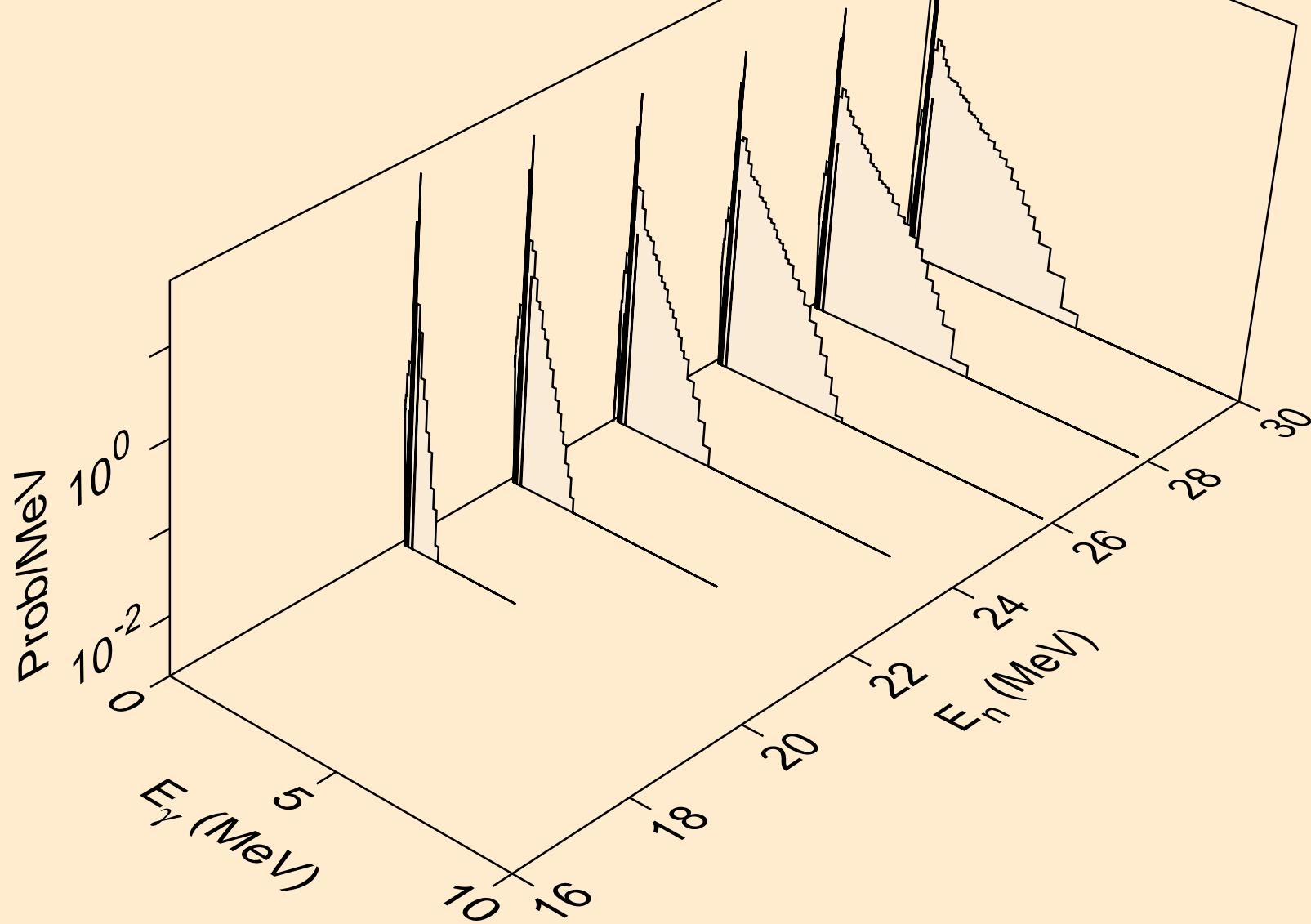




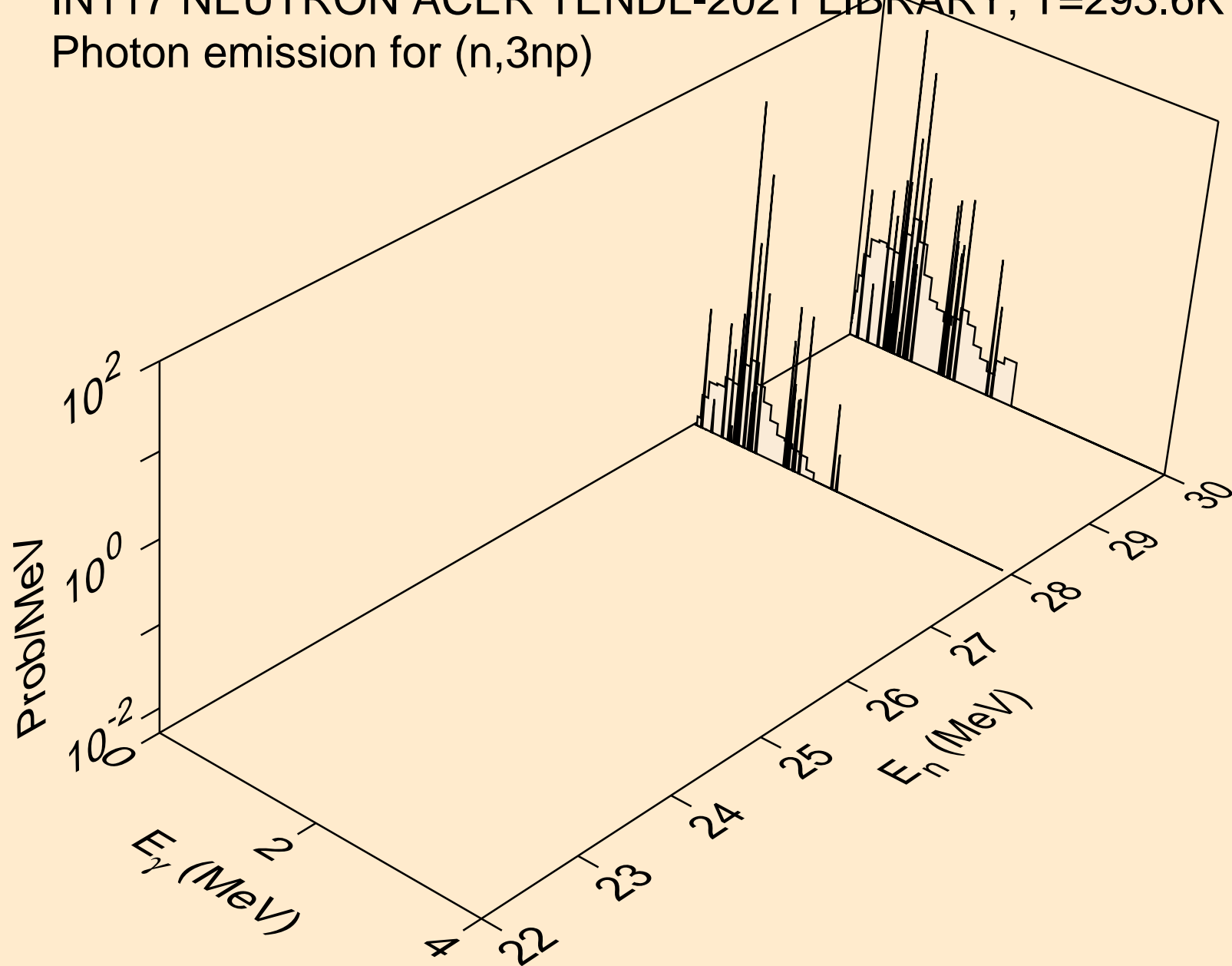
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,4n)



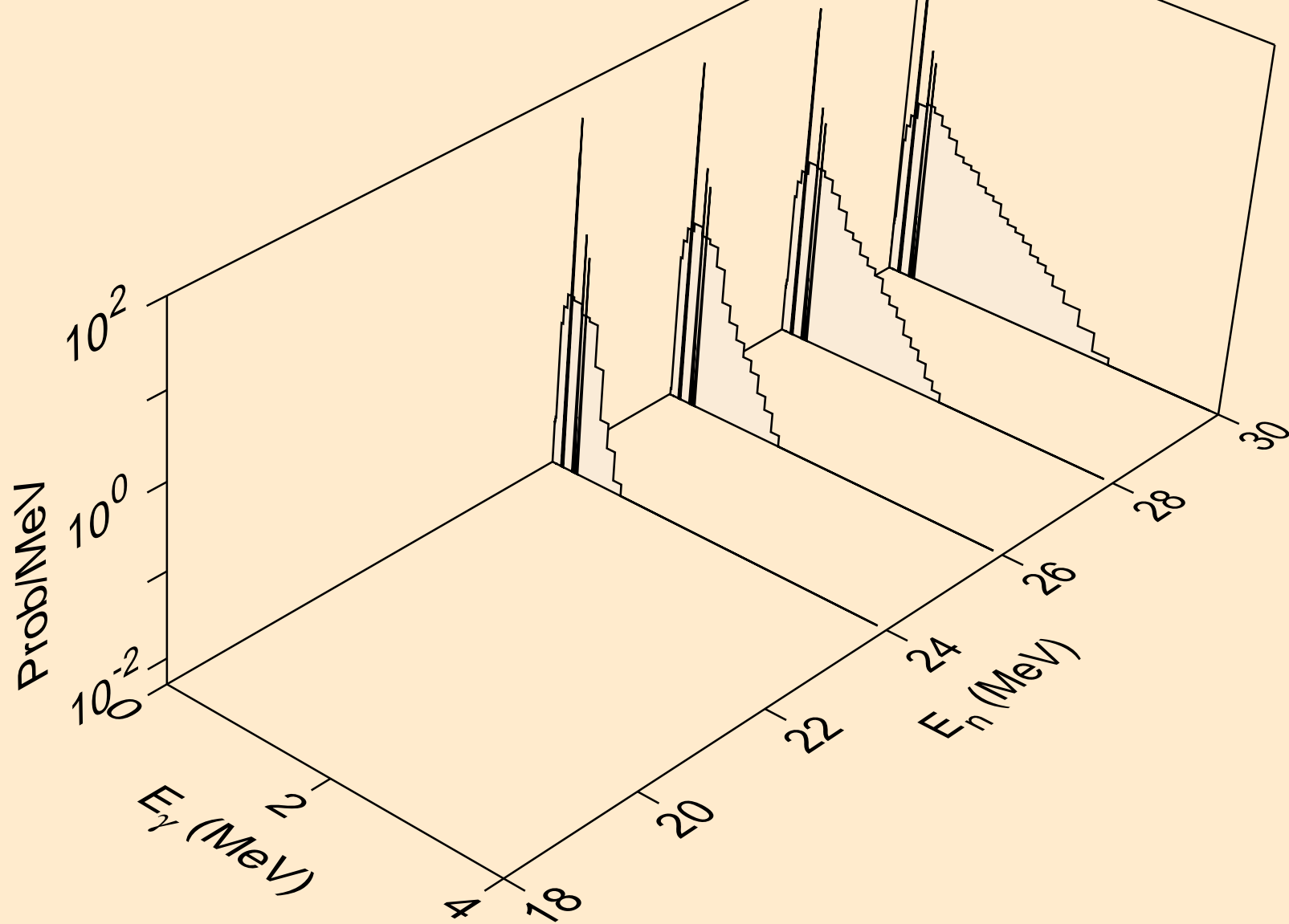
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Photon emission for (n,2np)



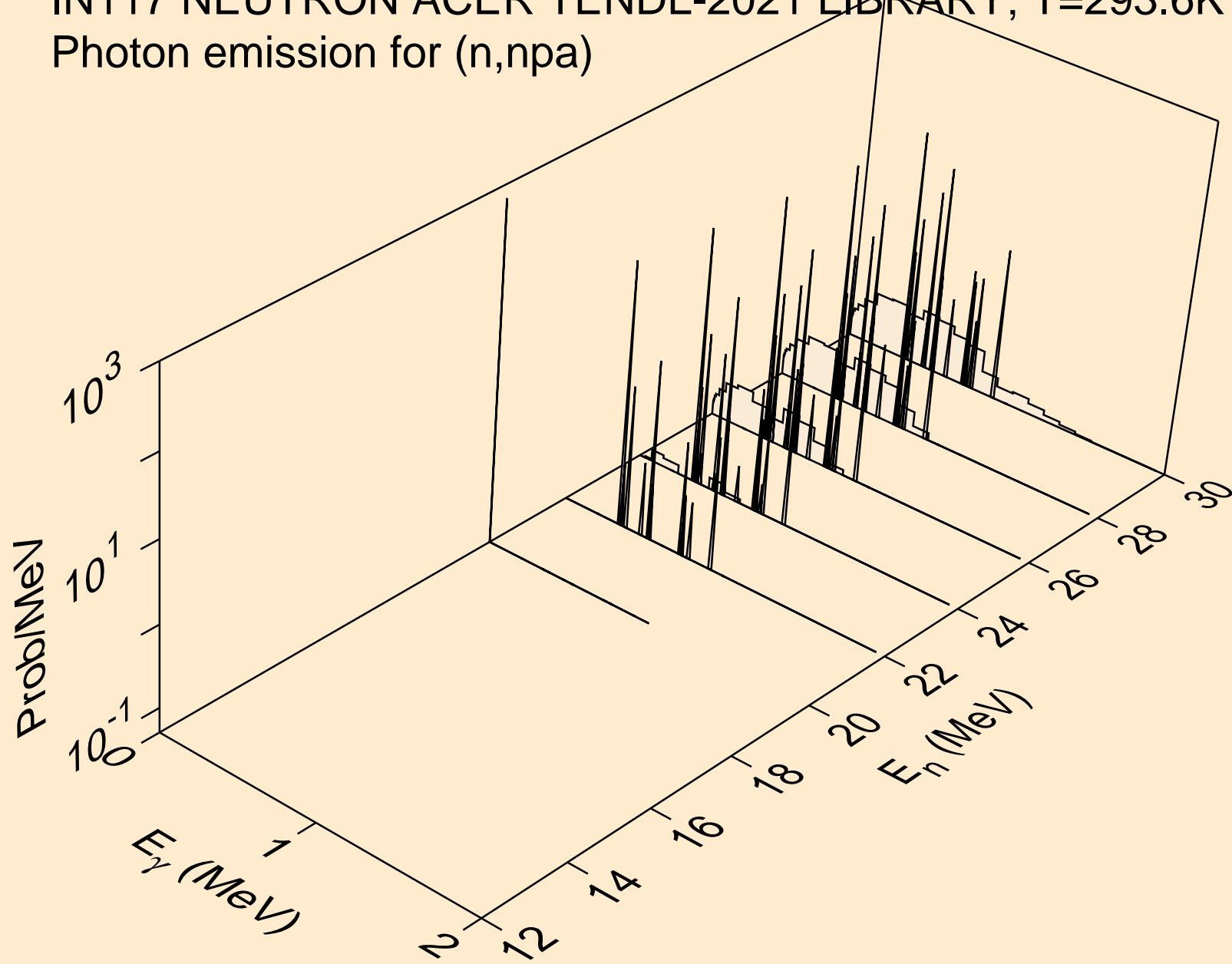
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Photon emission for (n,3np)



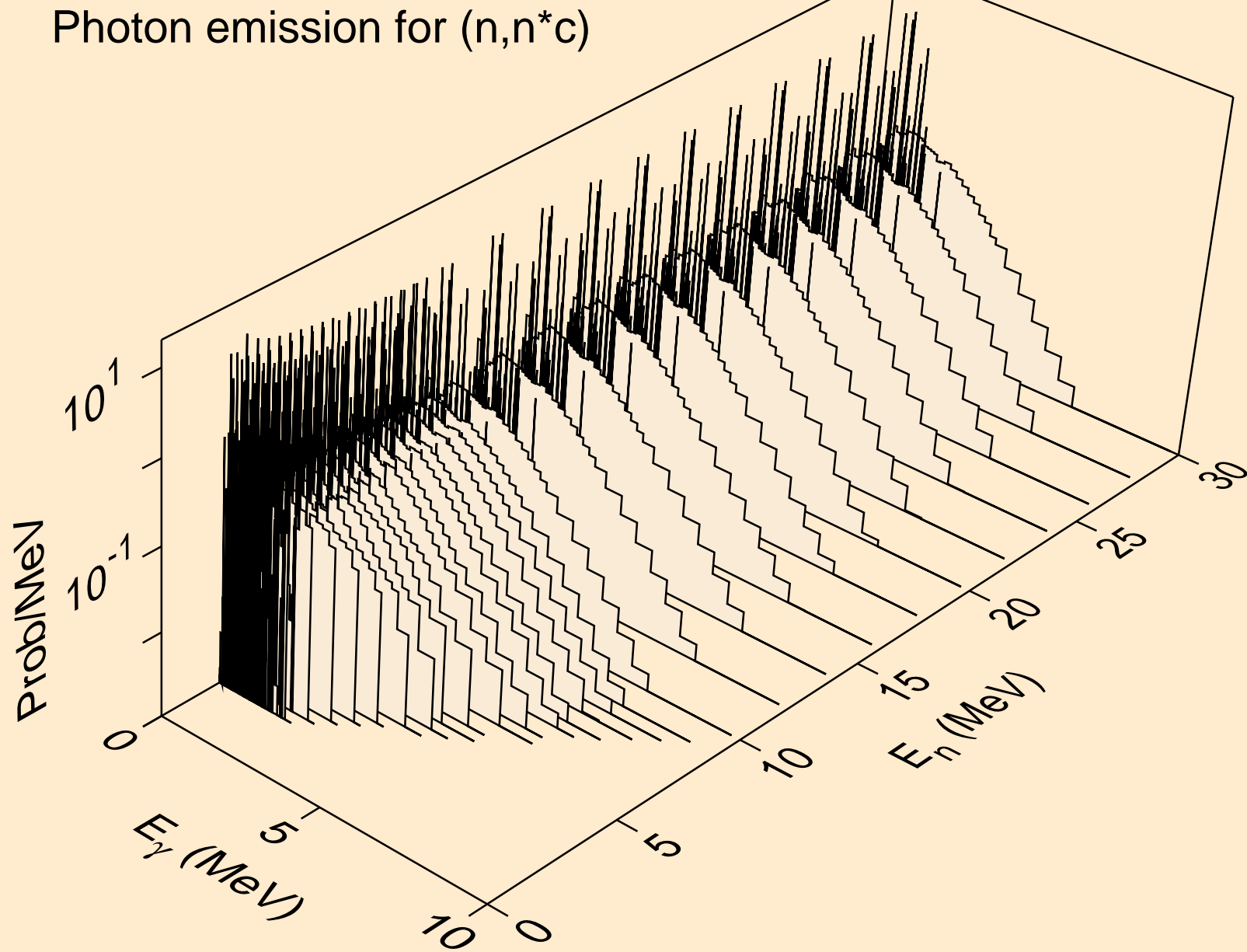
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Photon emission for (n,2np)



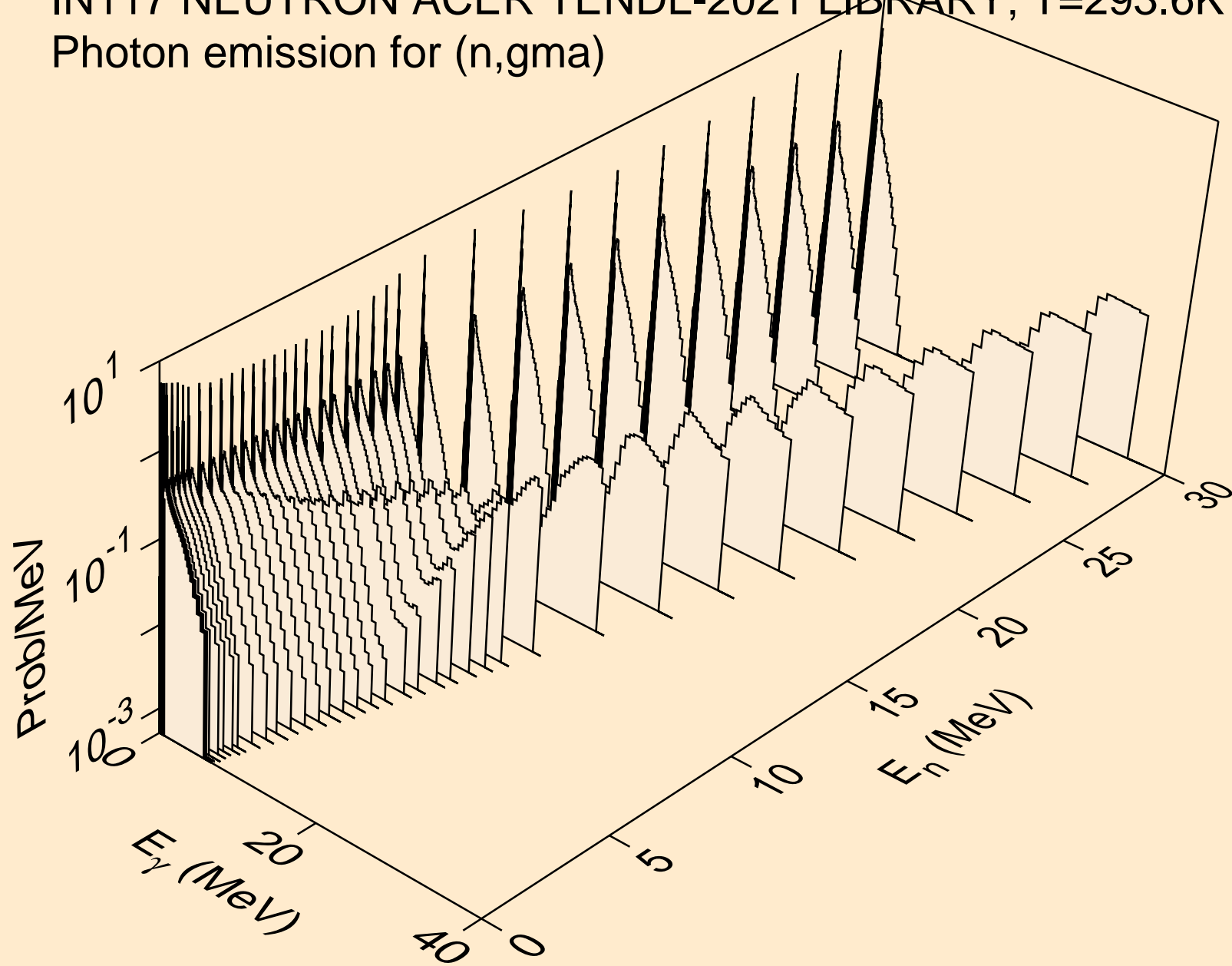
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Photon emission for (n,npa)



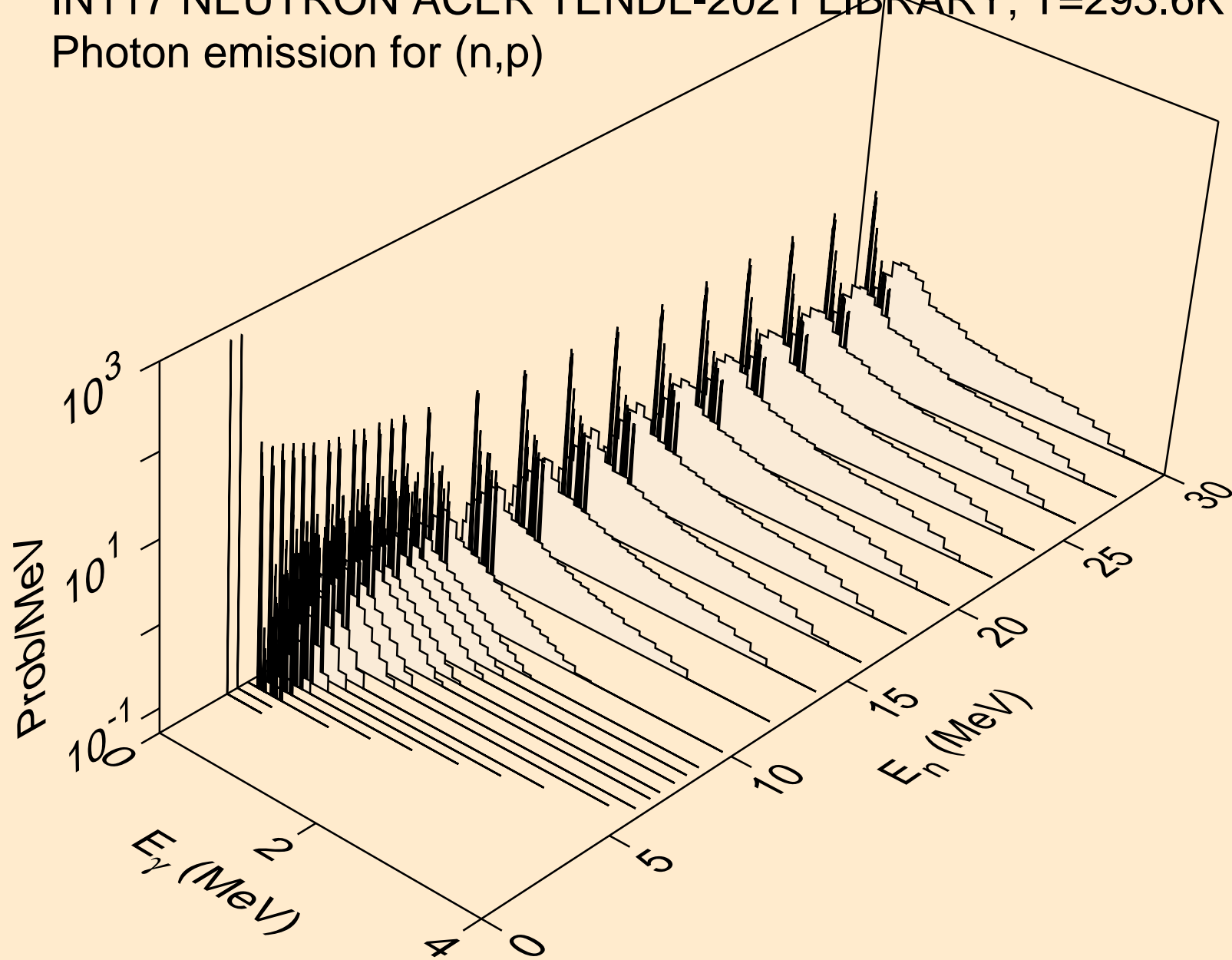
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,gma)

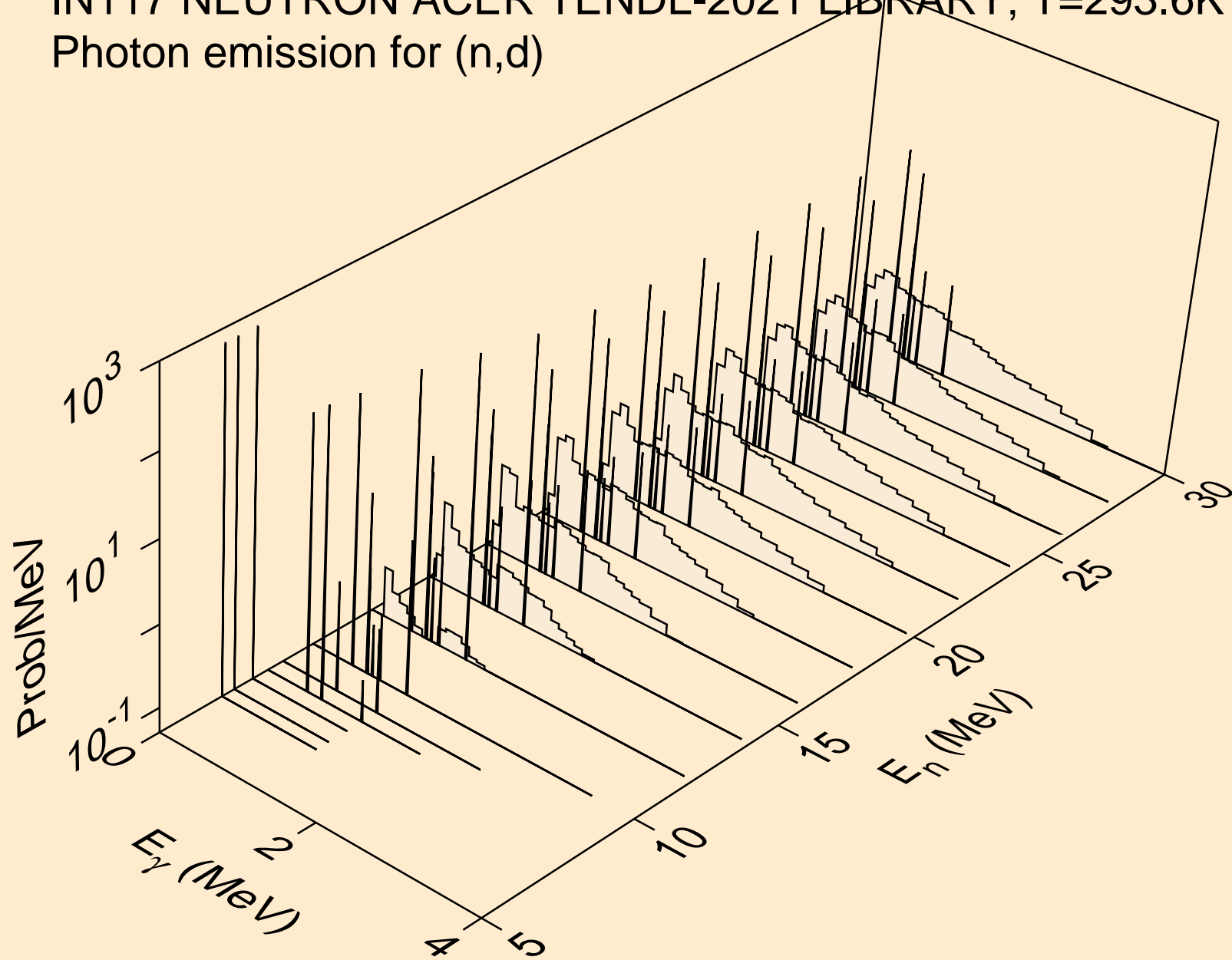


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Photon emission for (n,p)

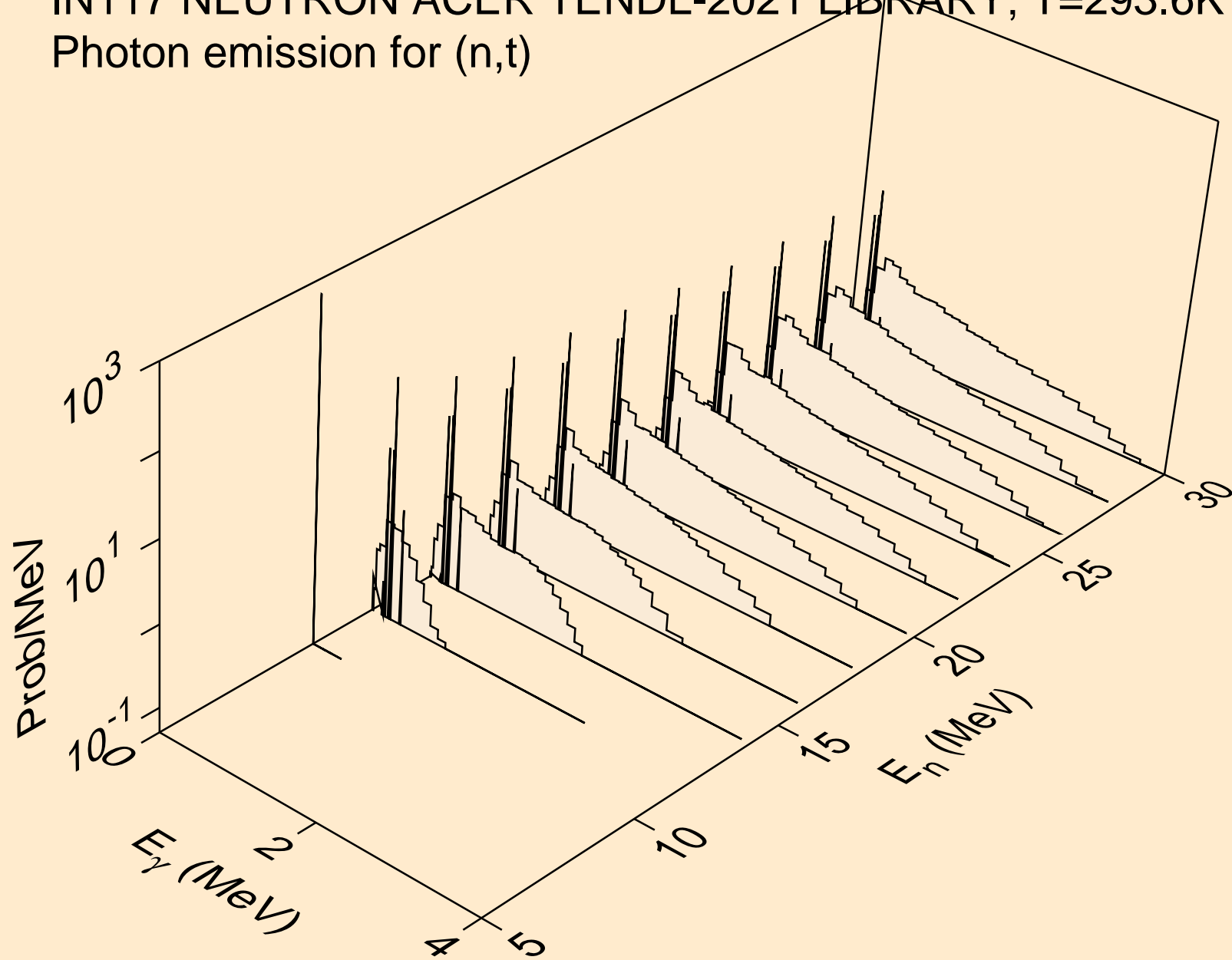




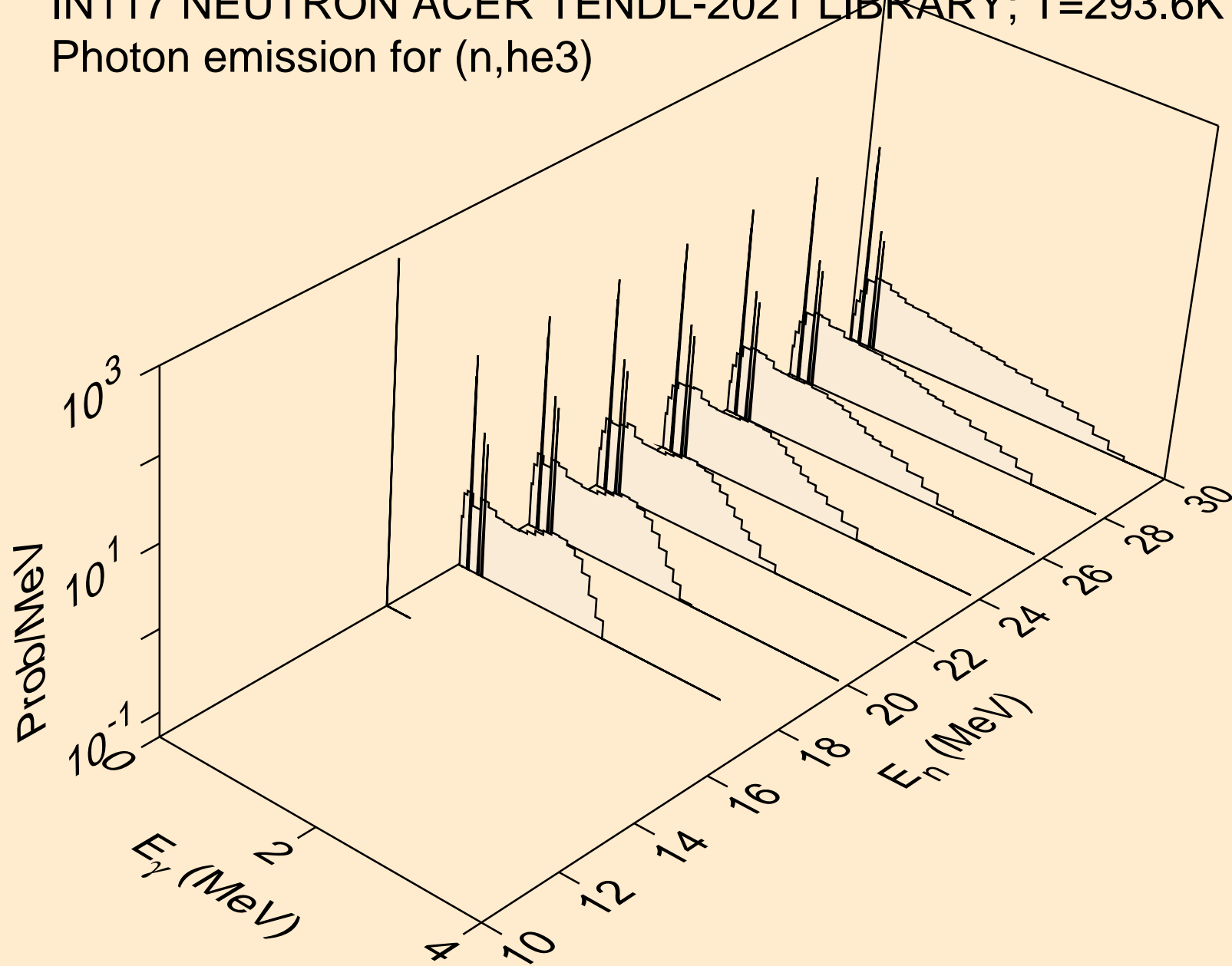
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)



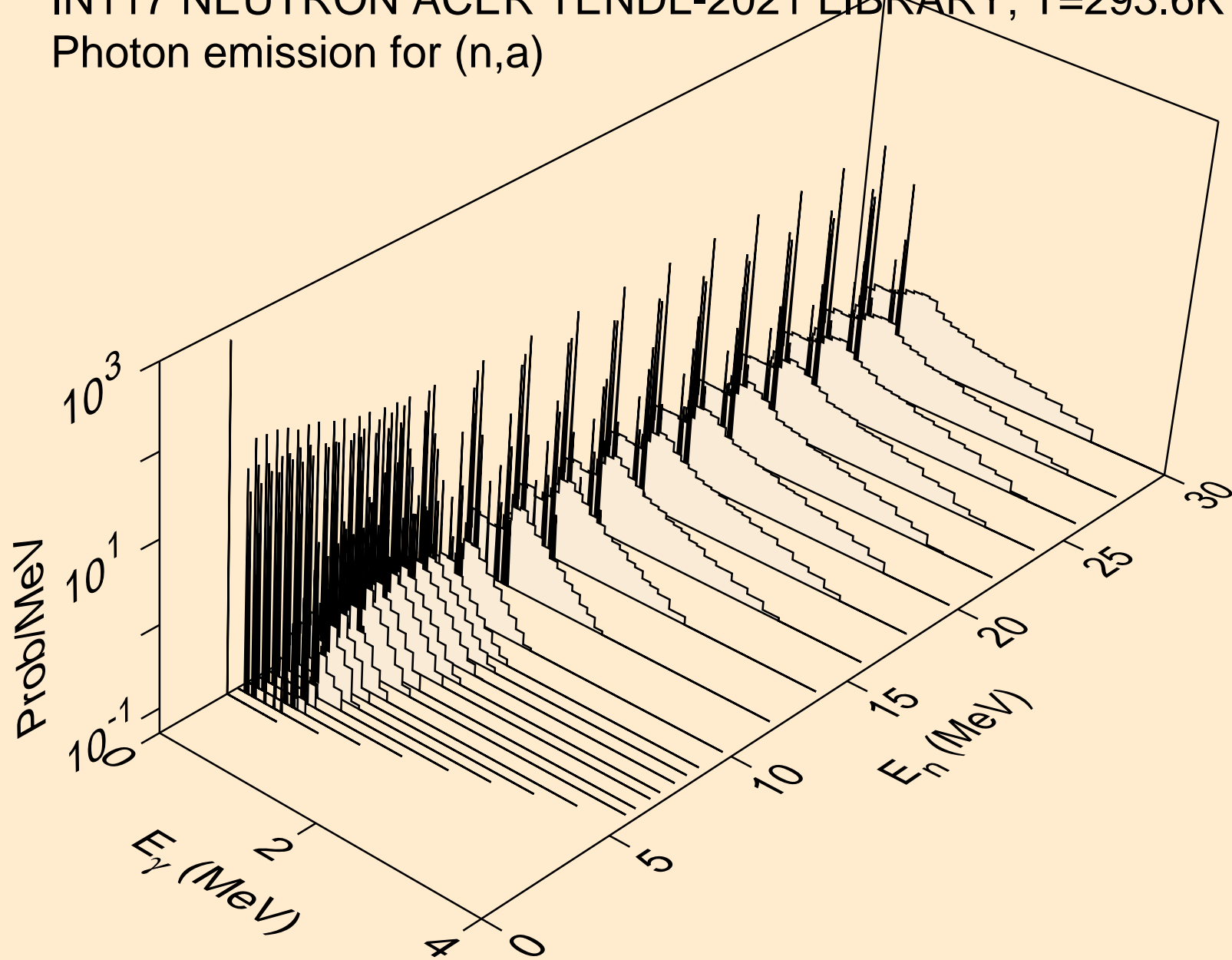
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Photon emission for (n,t)



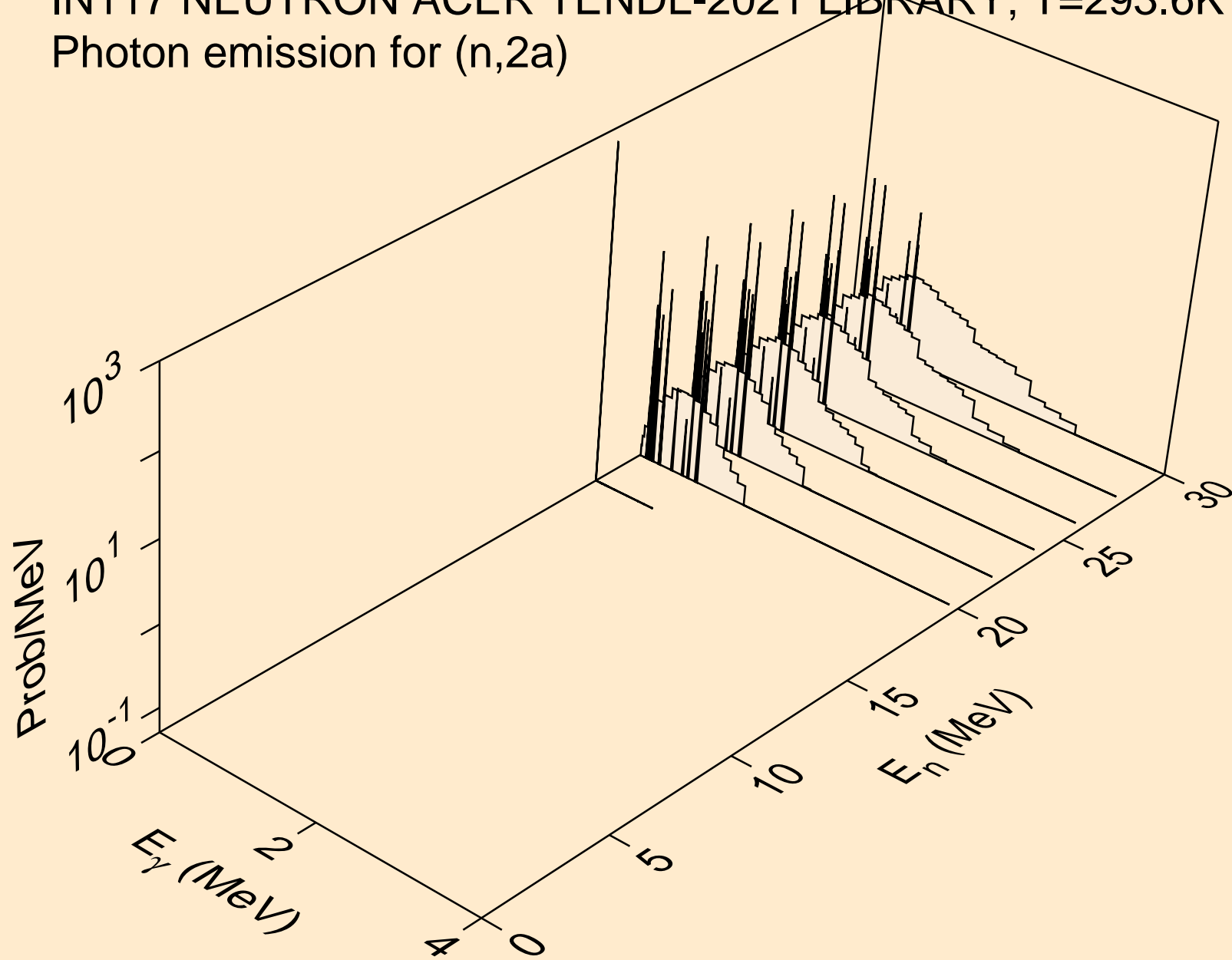
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Photon emission for (n,he3)



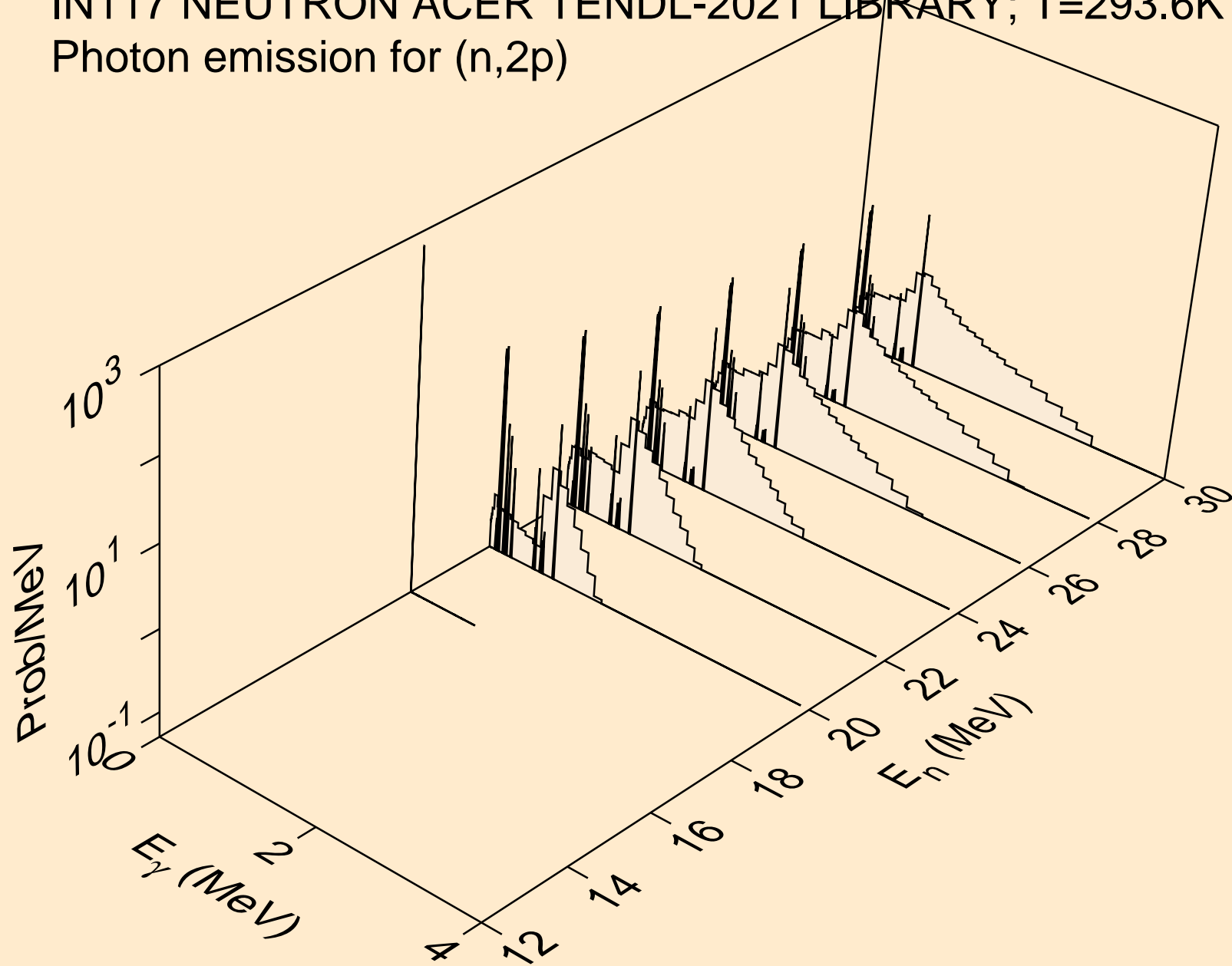
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Photon emission for (n,a)



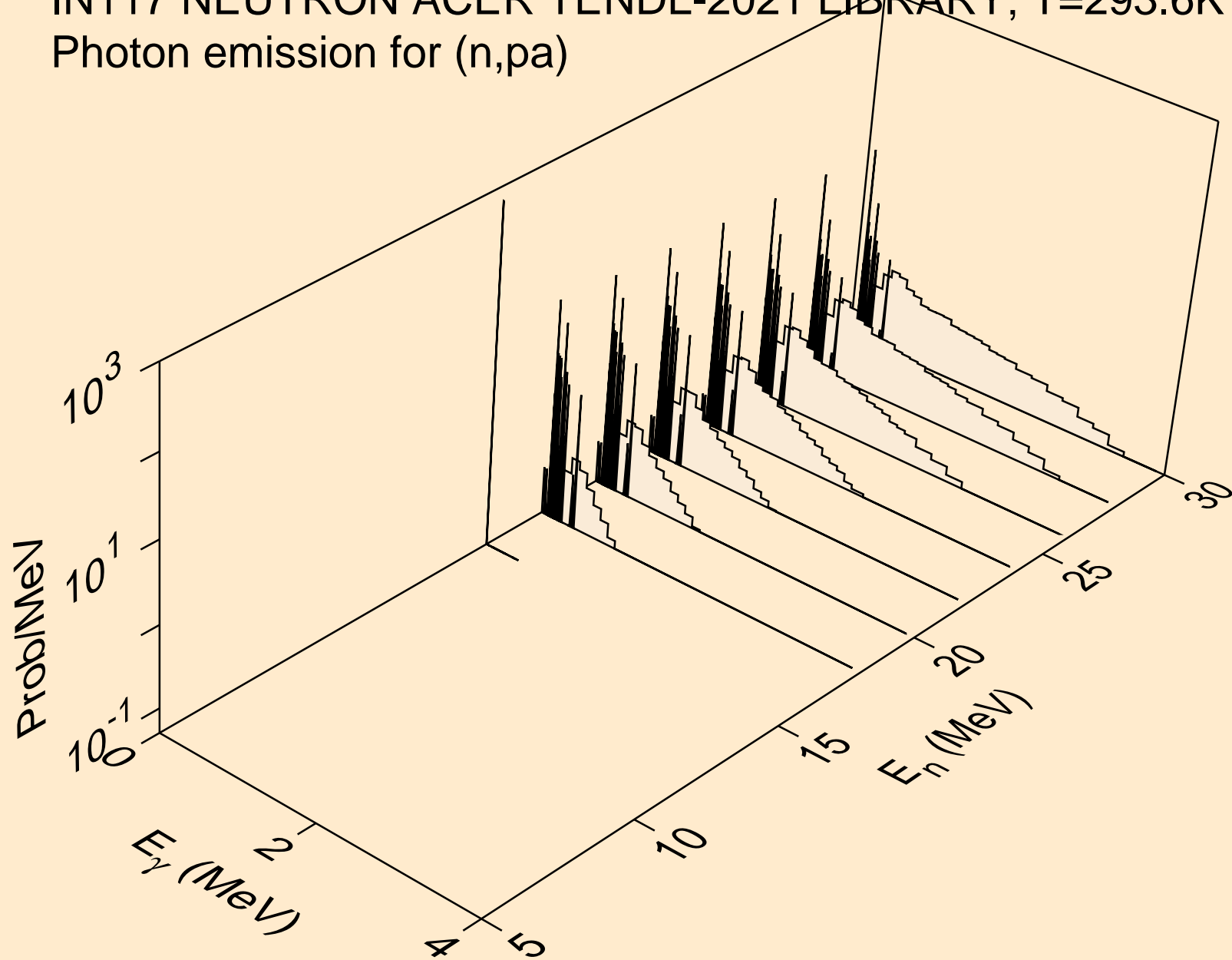
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Photon emission for (n,2a)



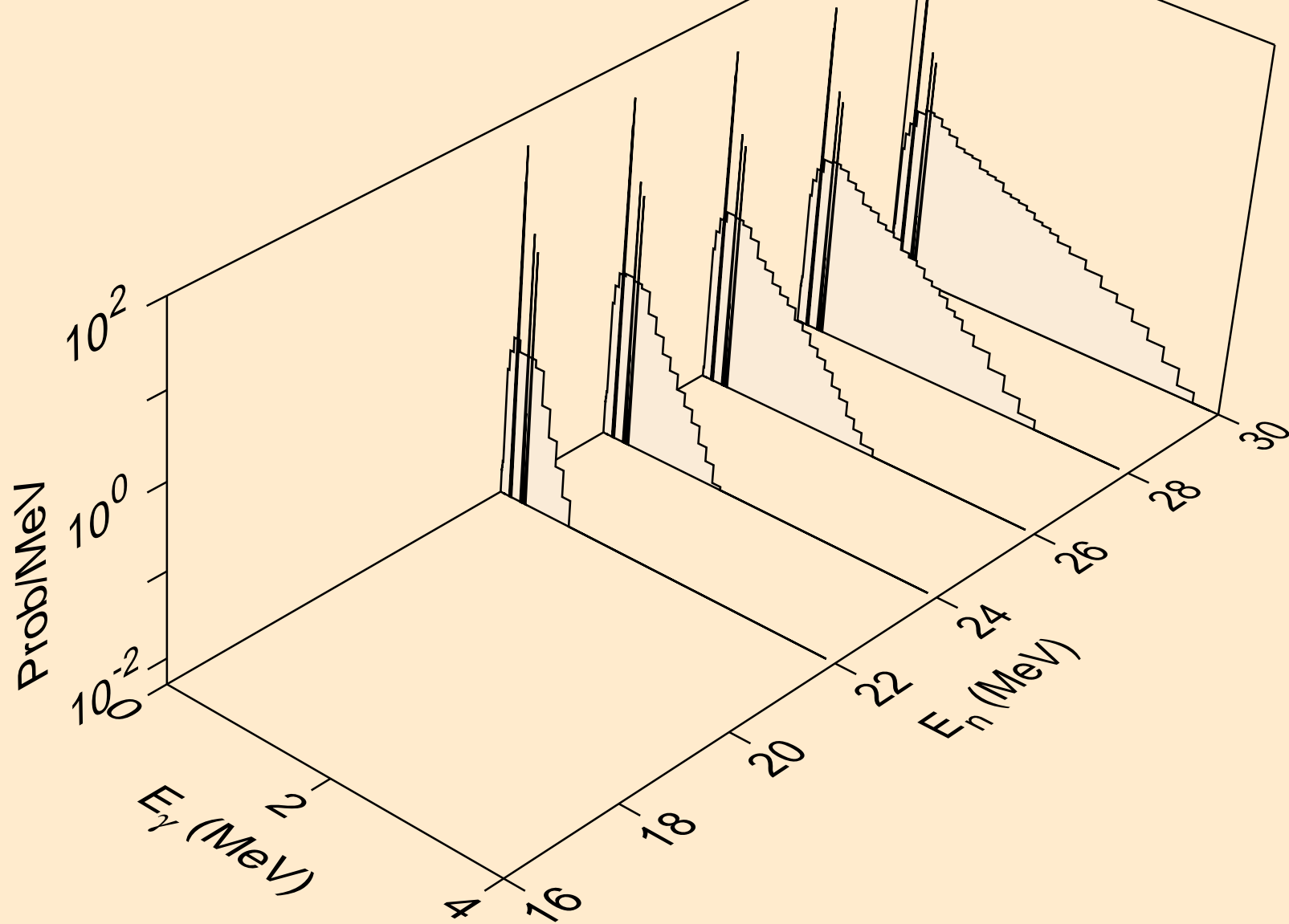
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Photon emission for (n,2p)



IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p $\alpha$ )

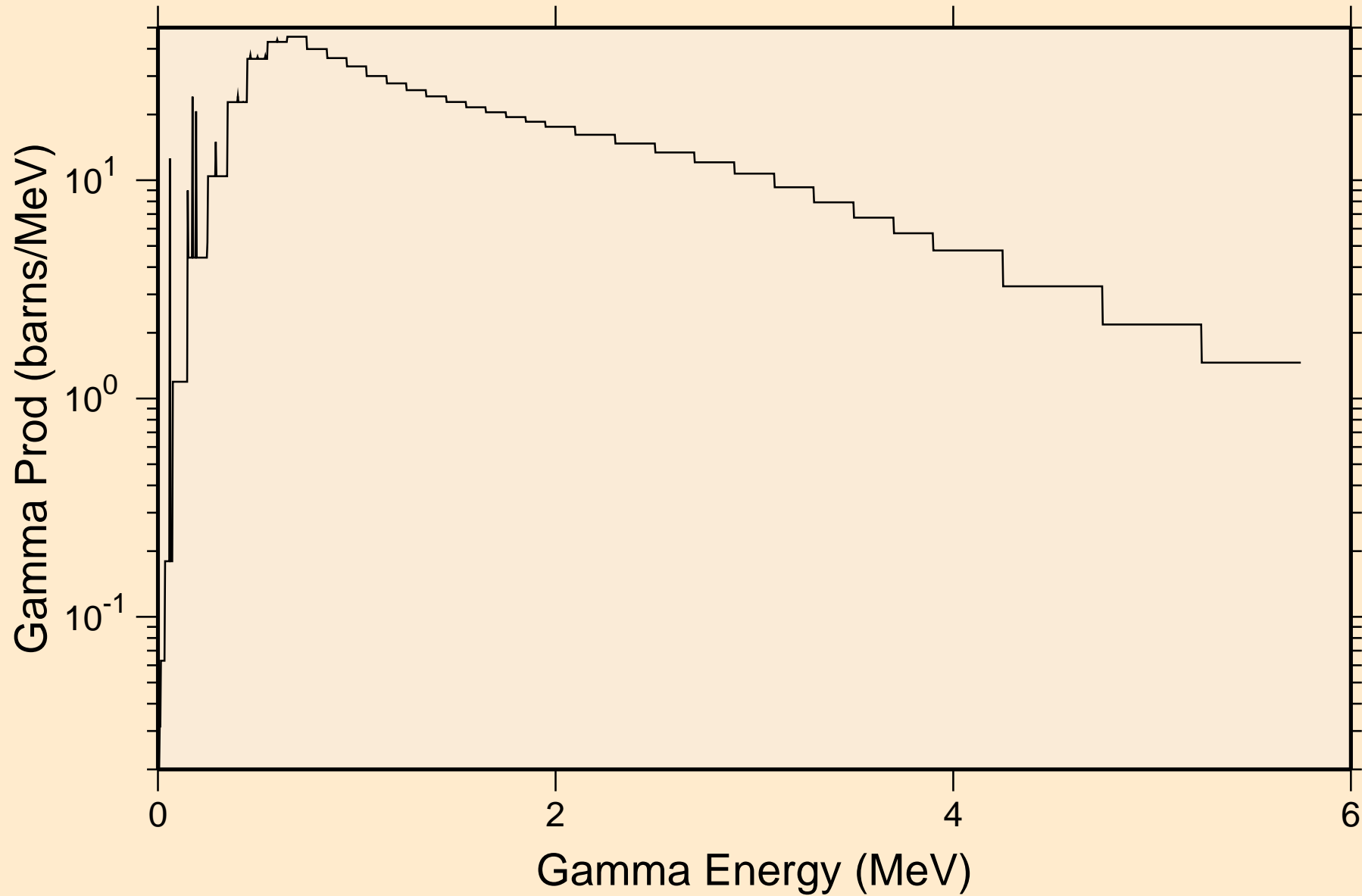


IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pd)

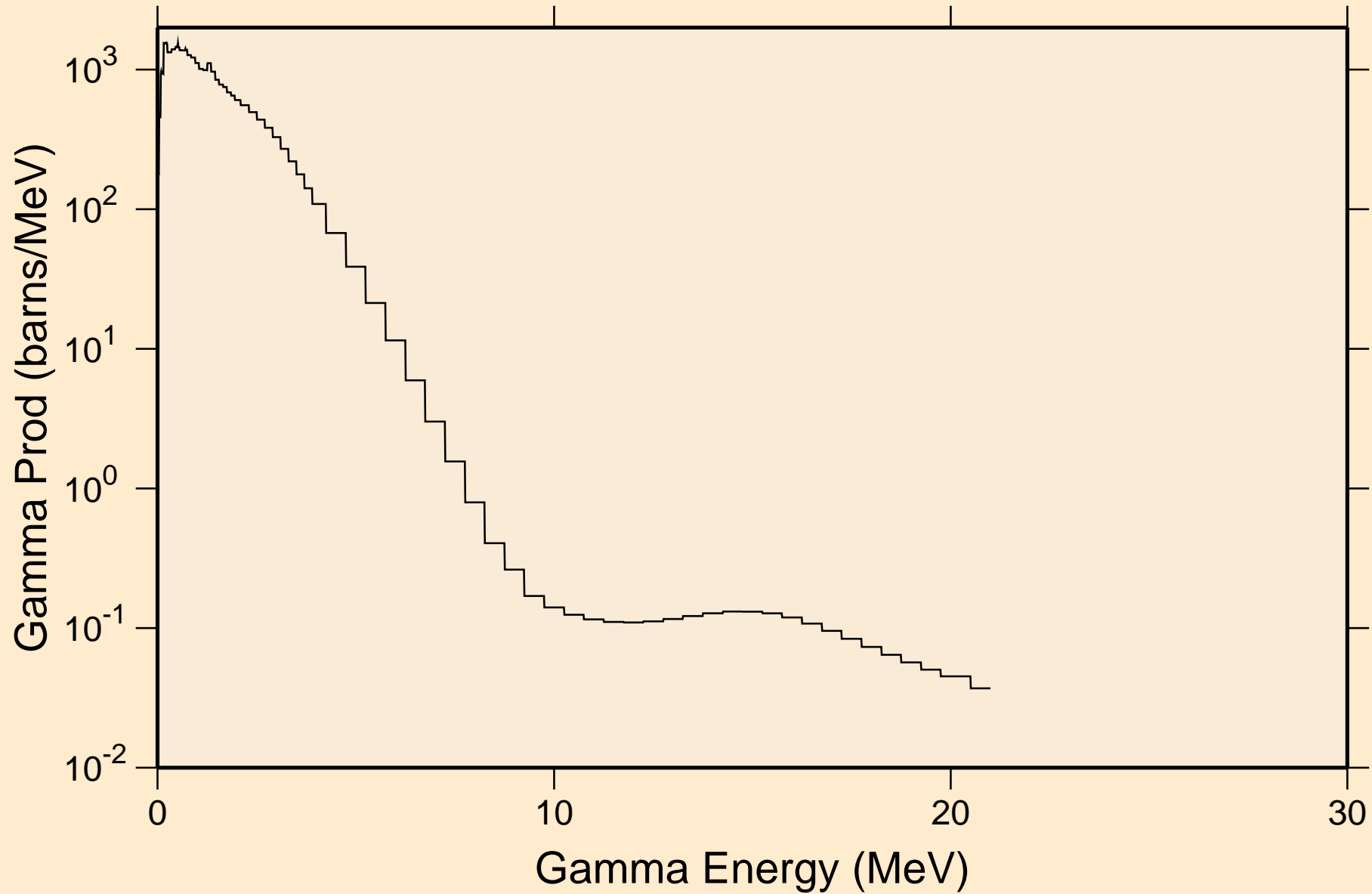




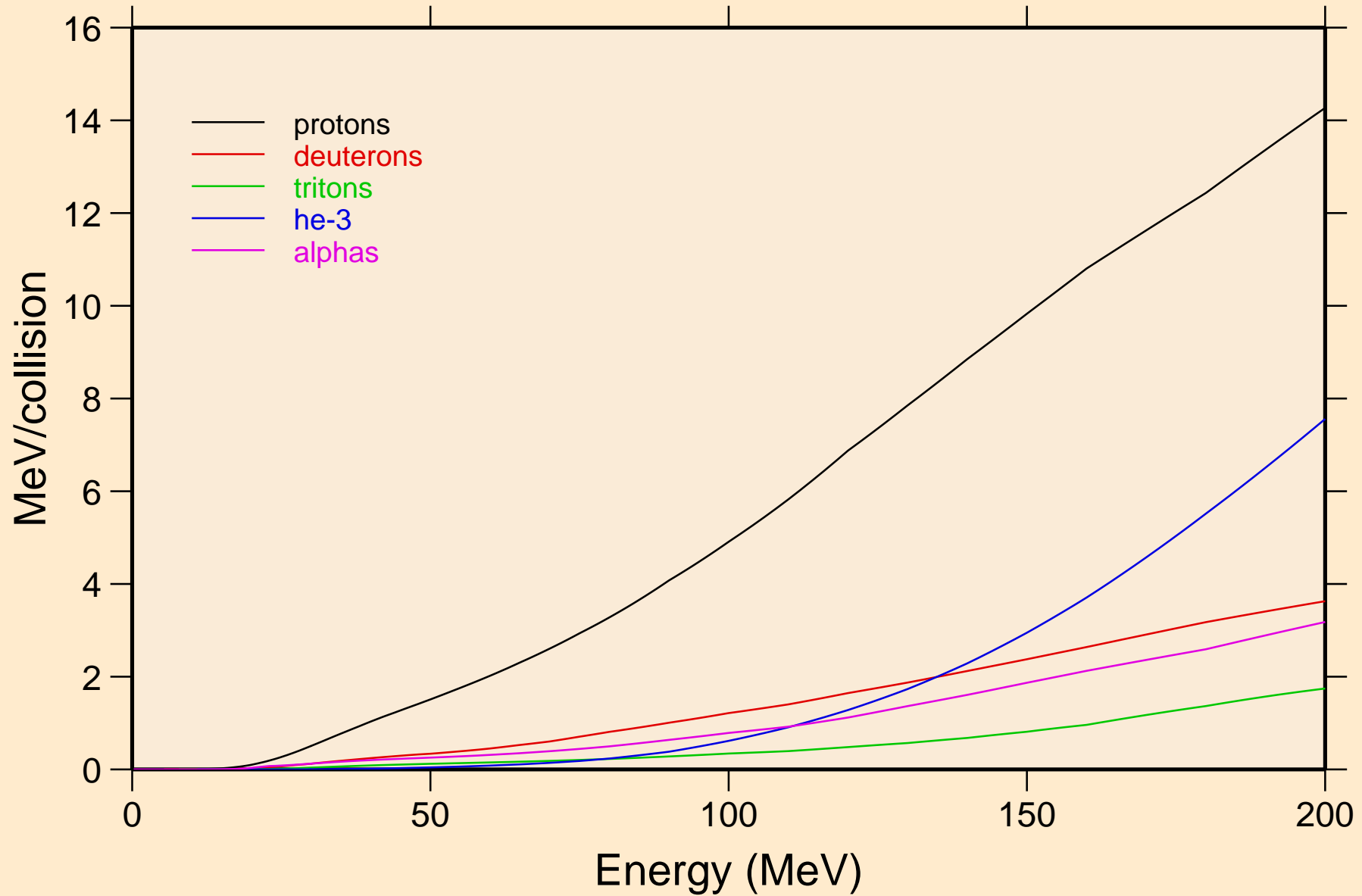
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thermal capture photon spectrum



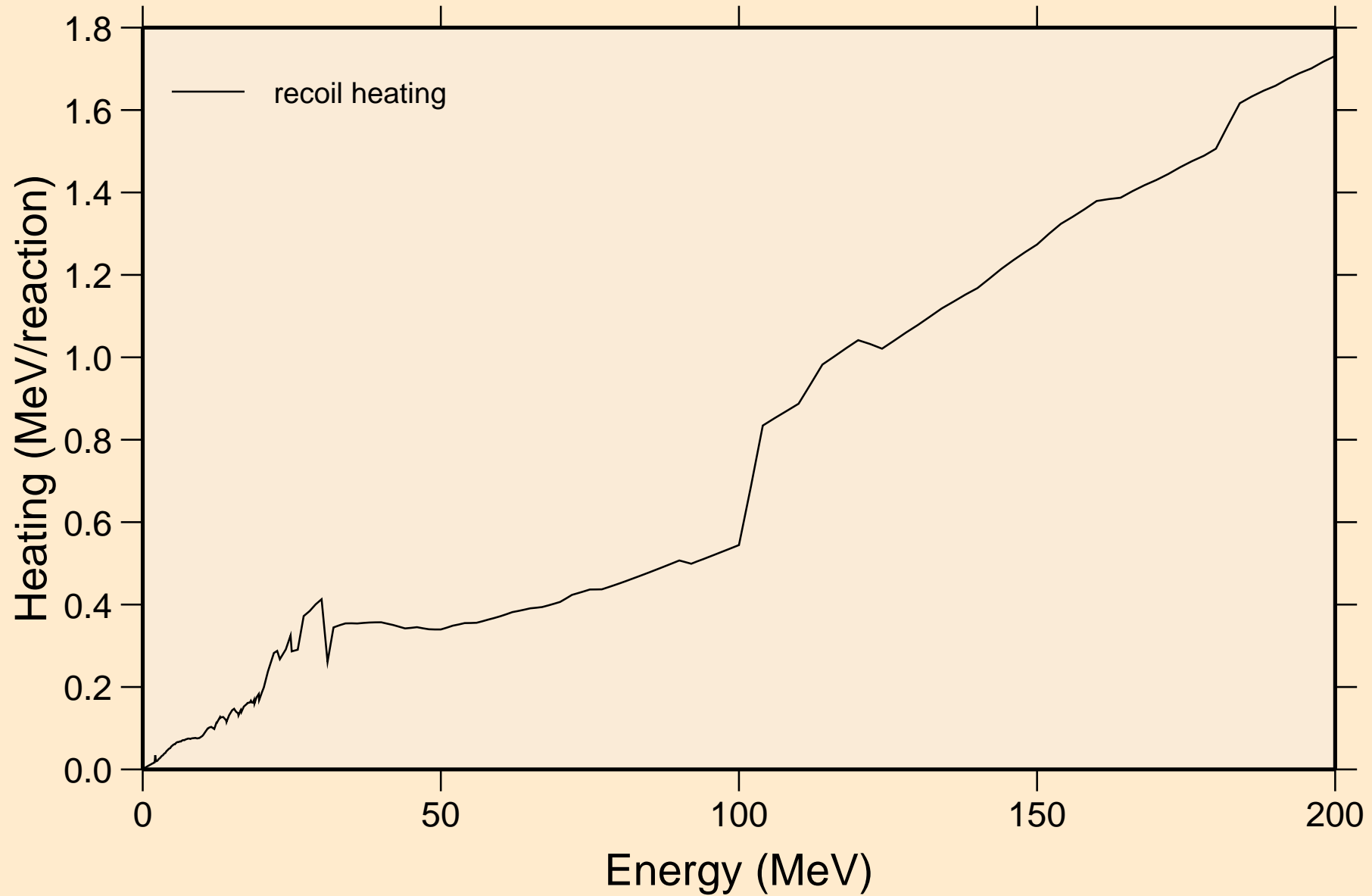
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14 MeV photon spectrum



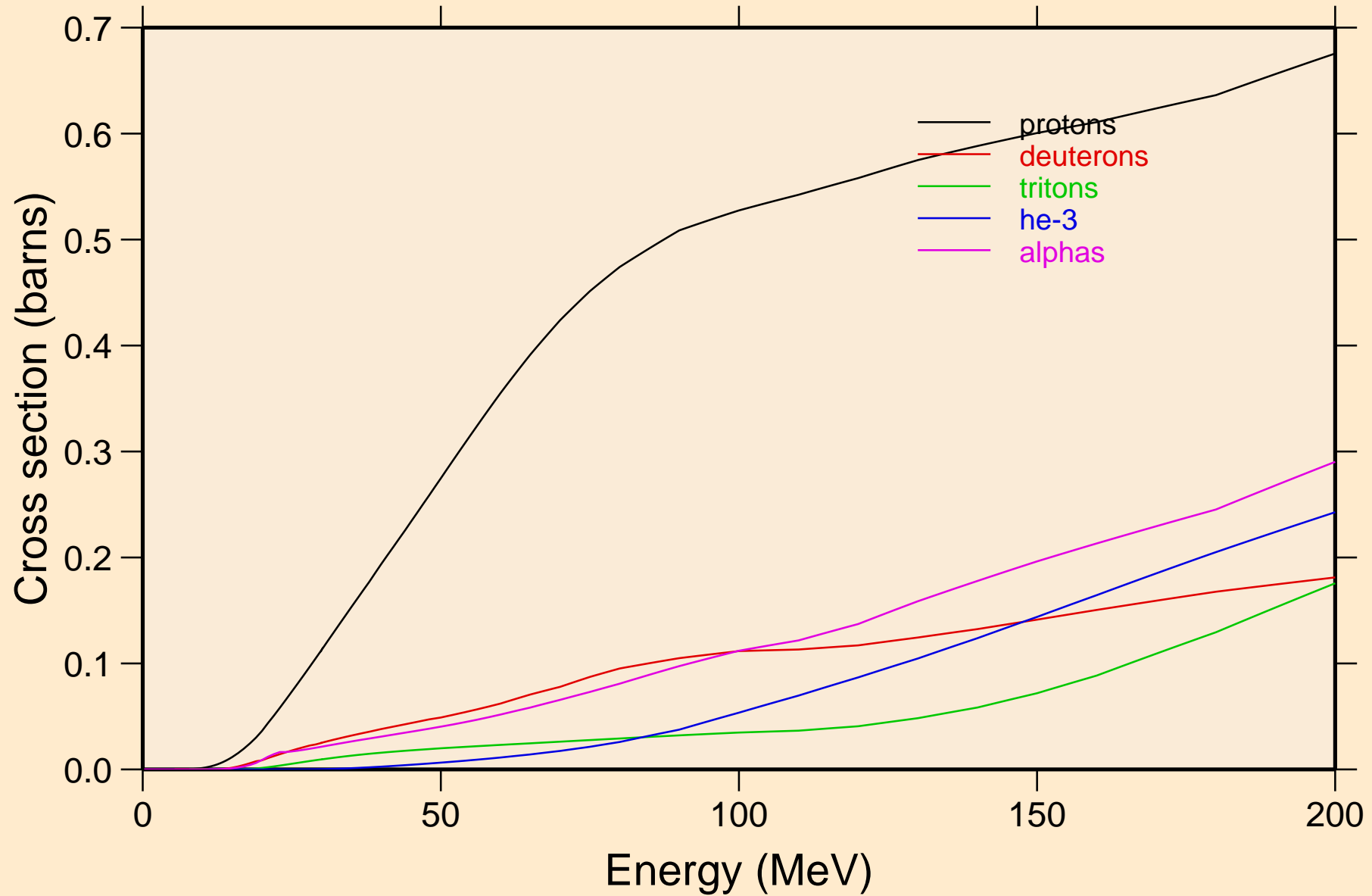
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Particle heating contributions



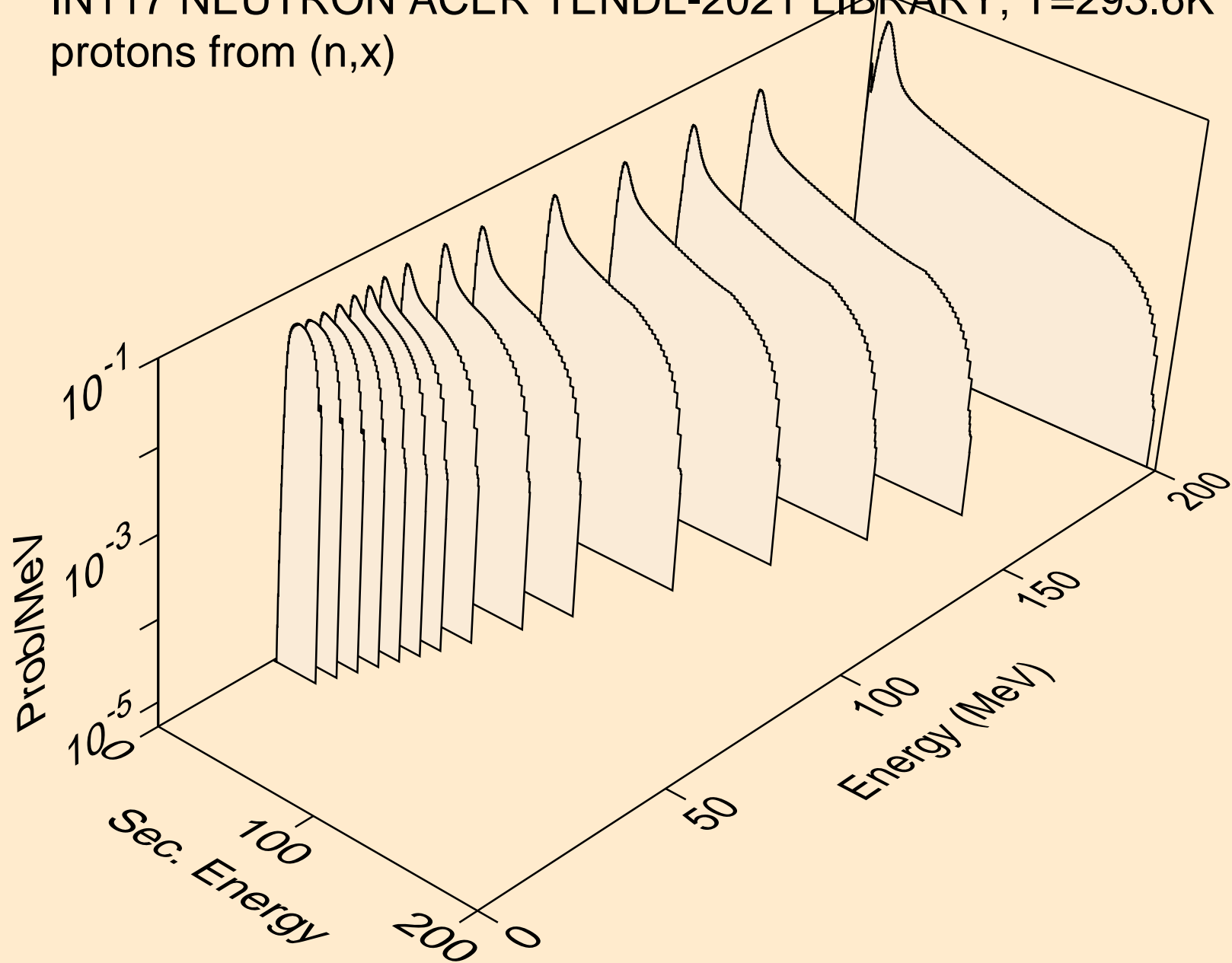
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Recoil Heating



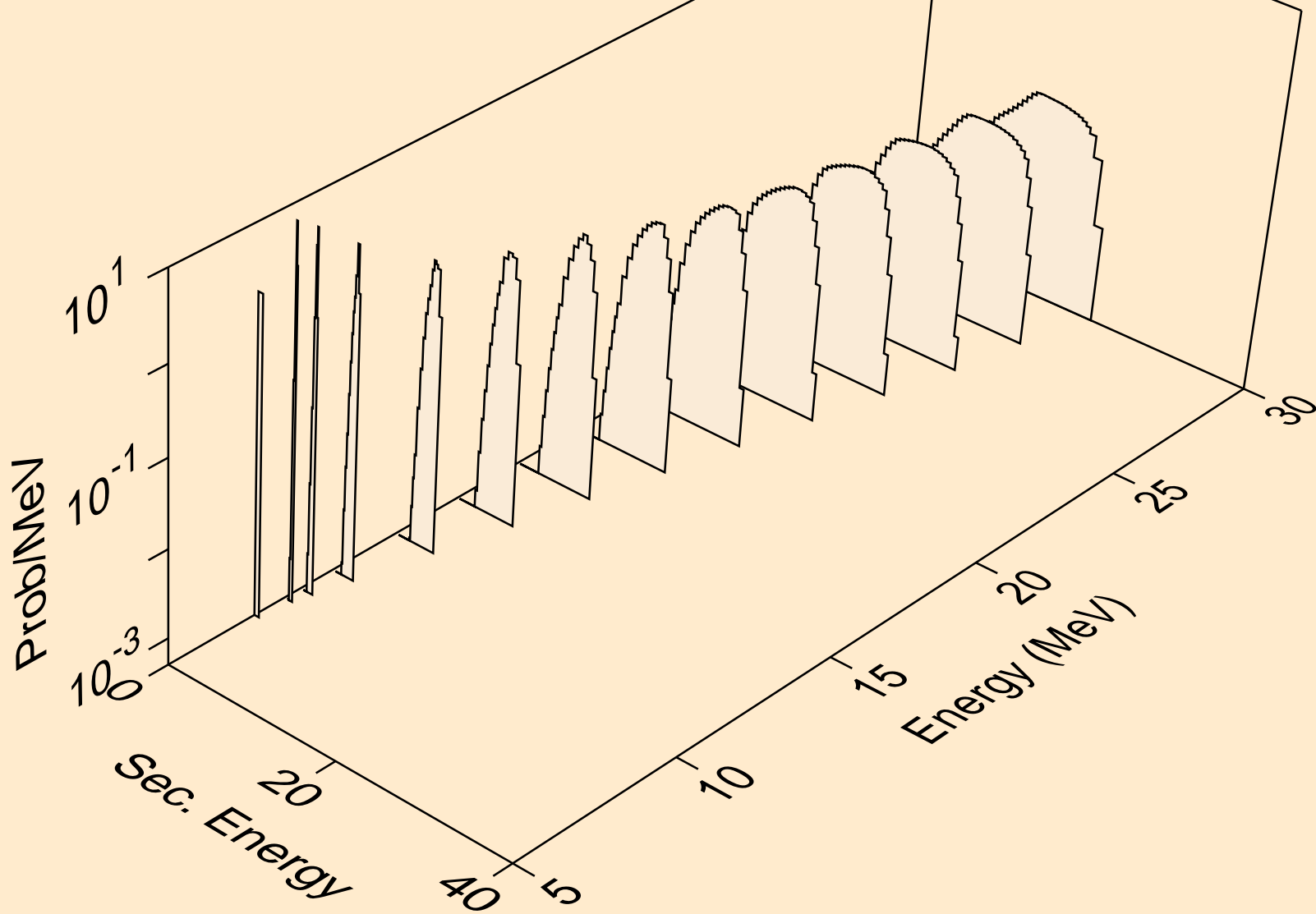
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Particle production cross sections



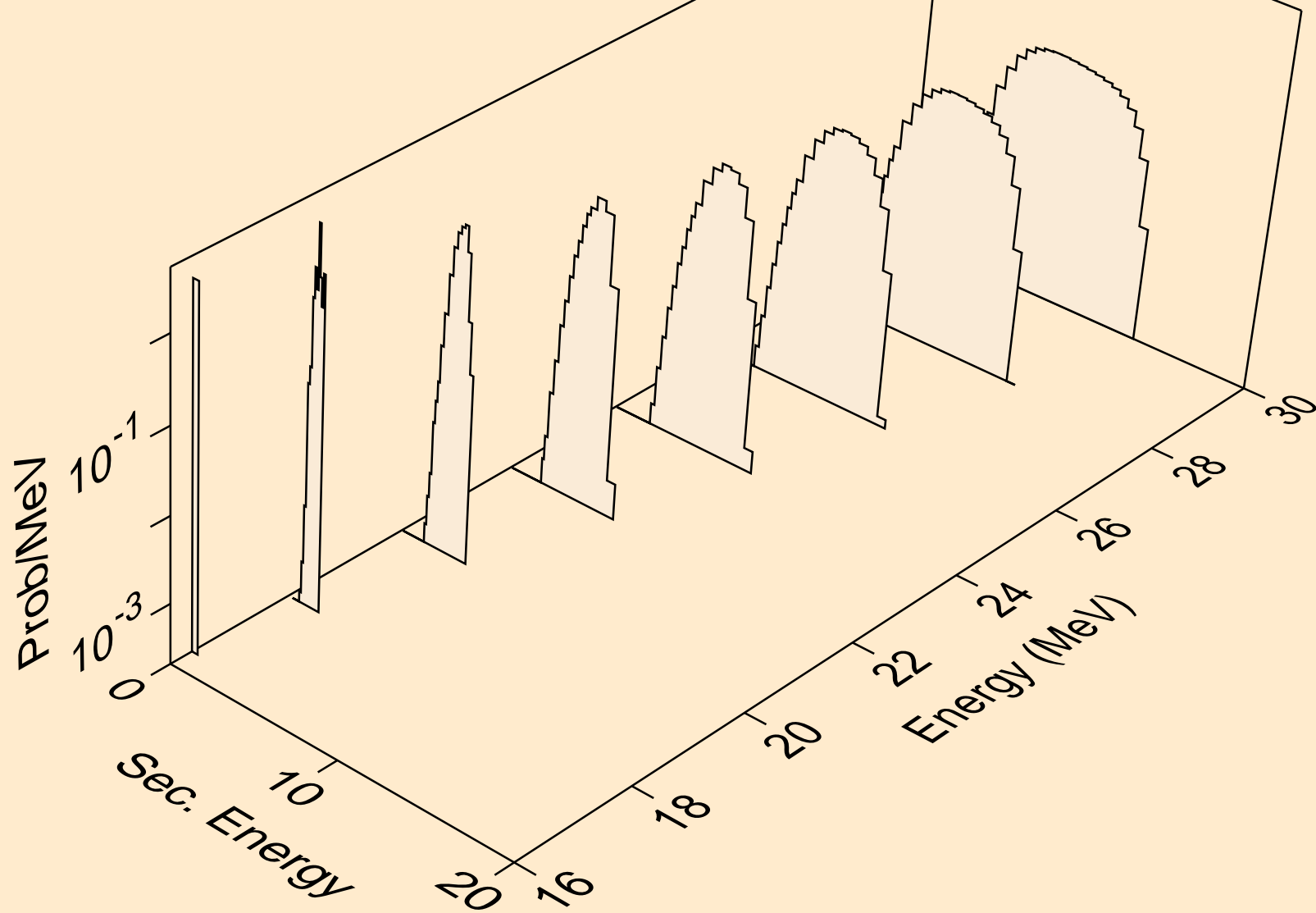
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)



IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p

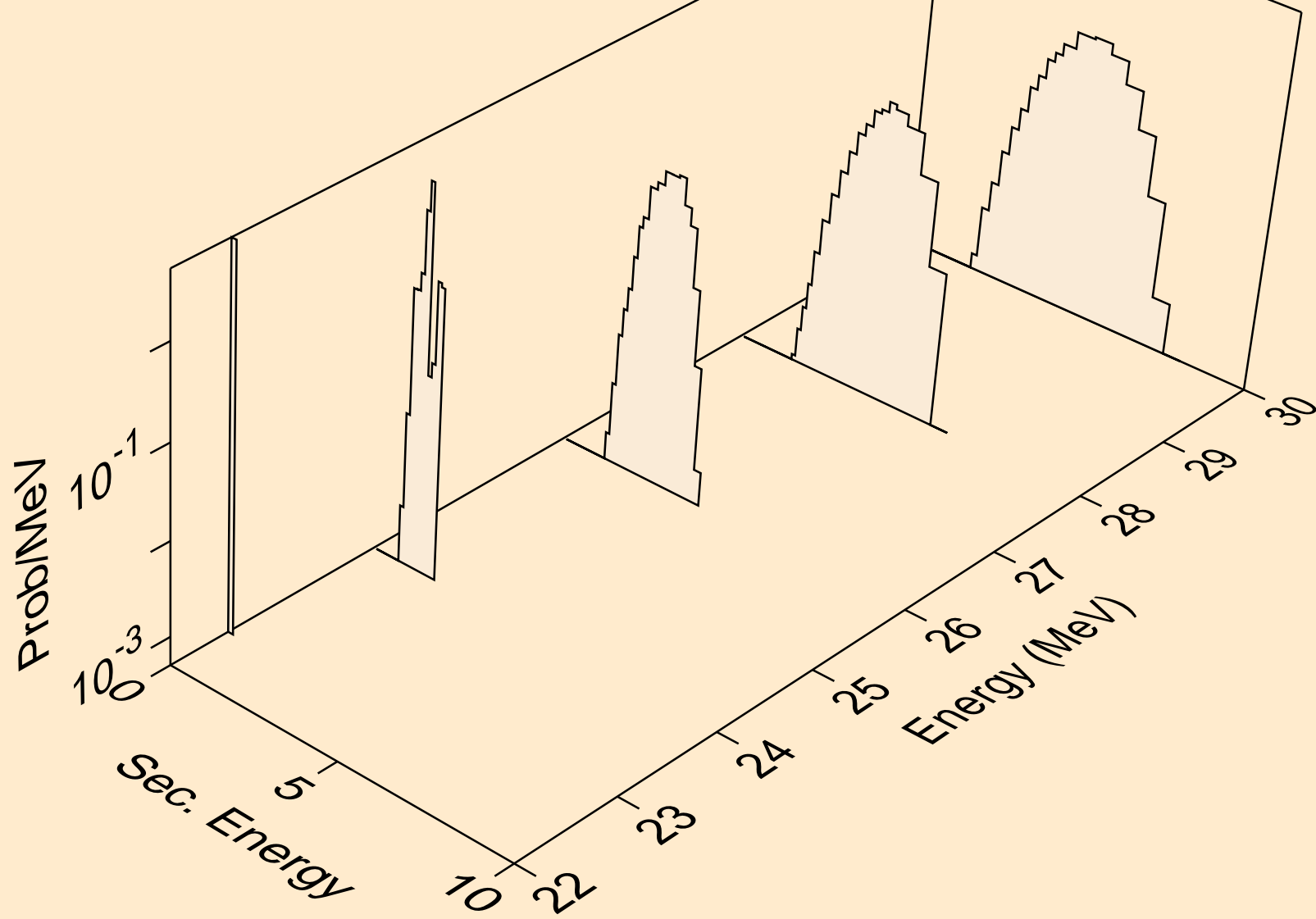


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protons from (n,2np)

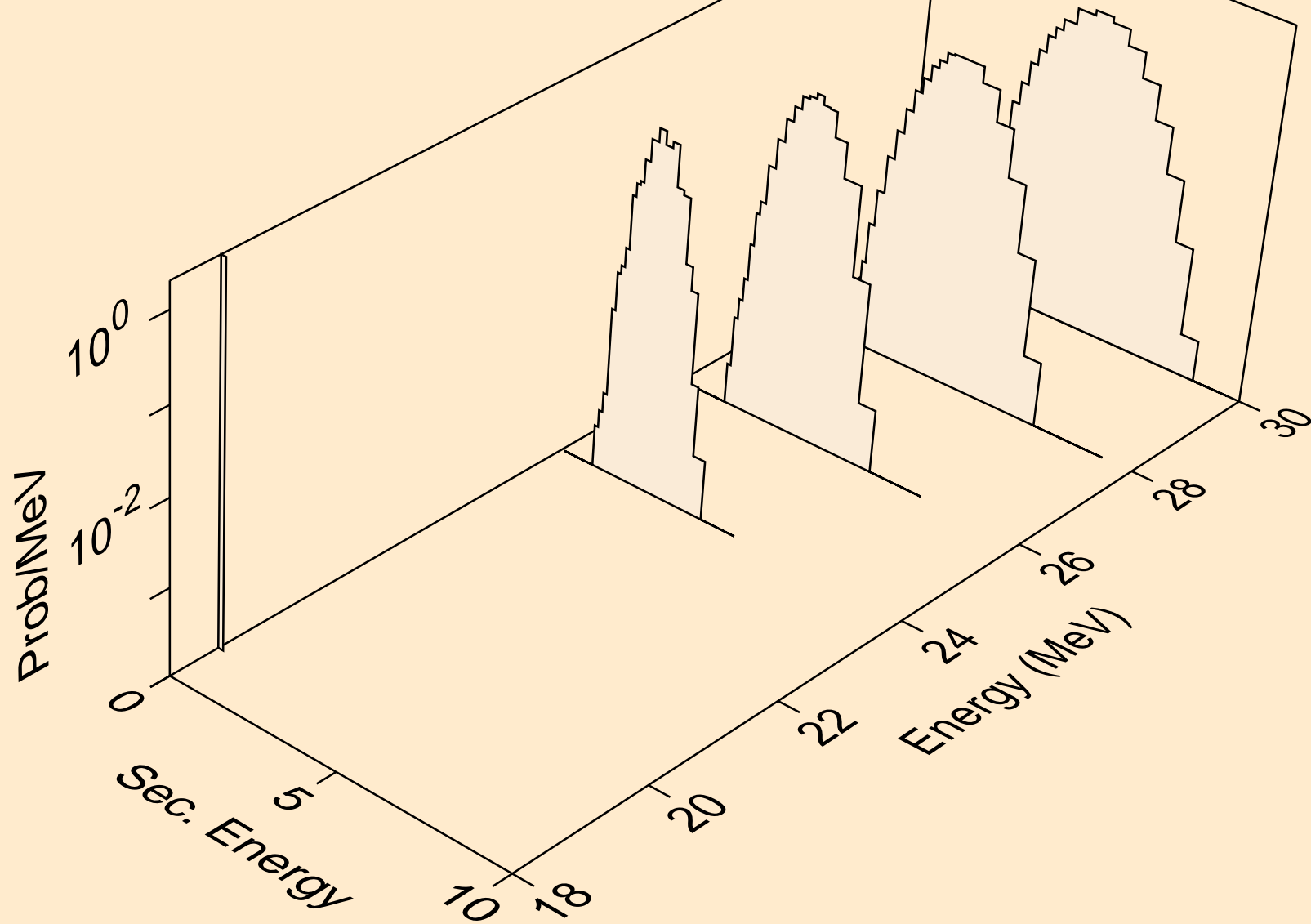




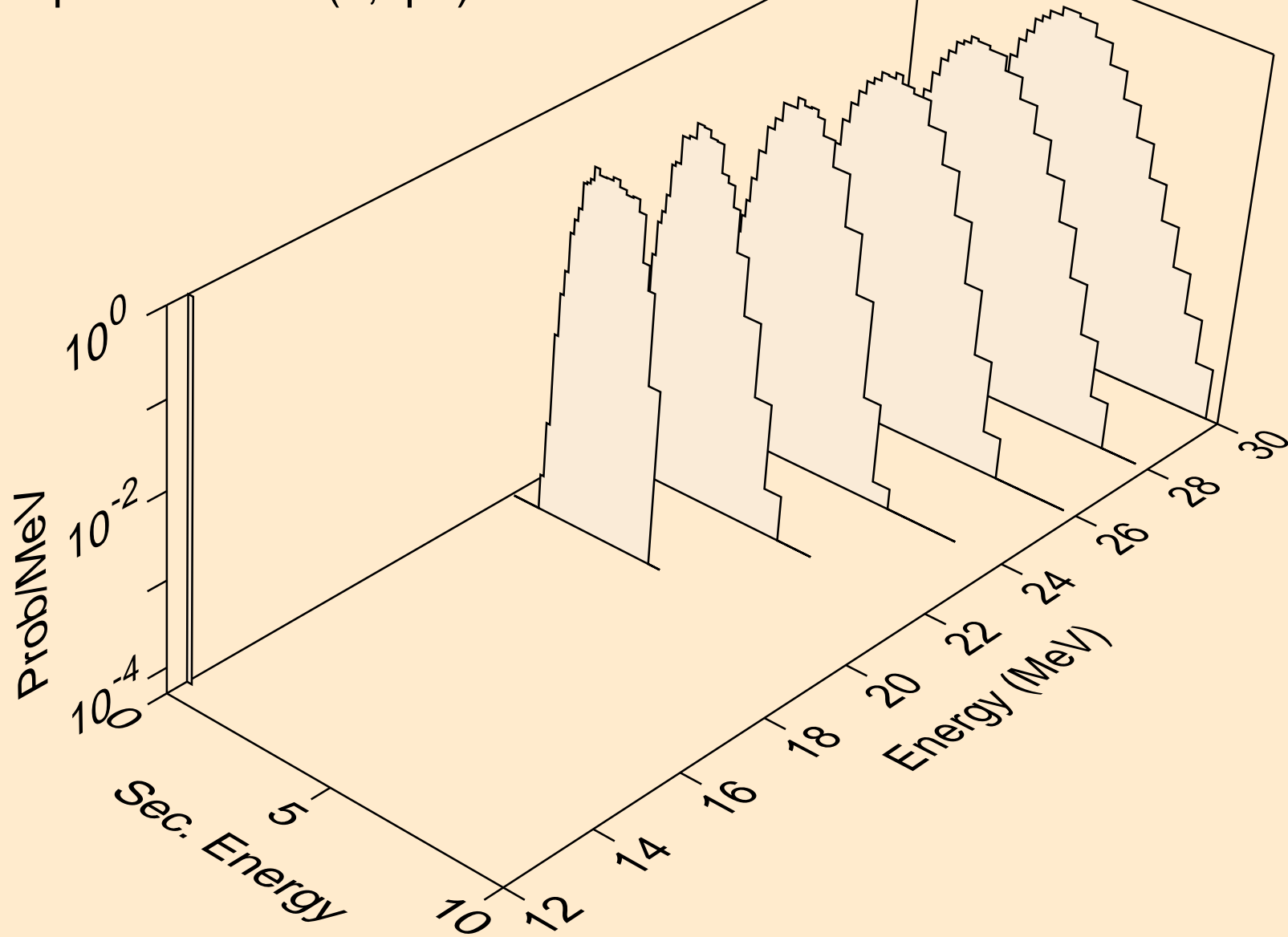
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protons from (n,3np)



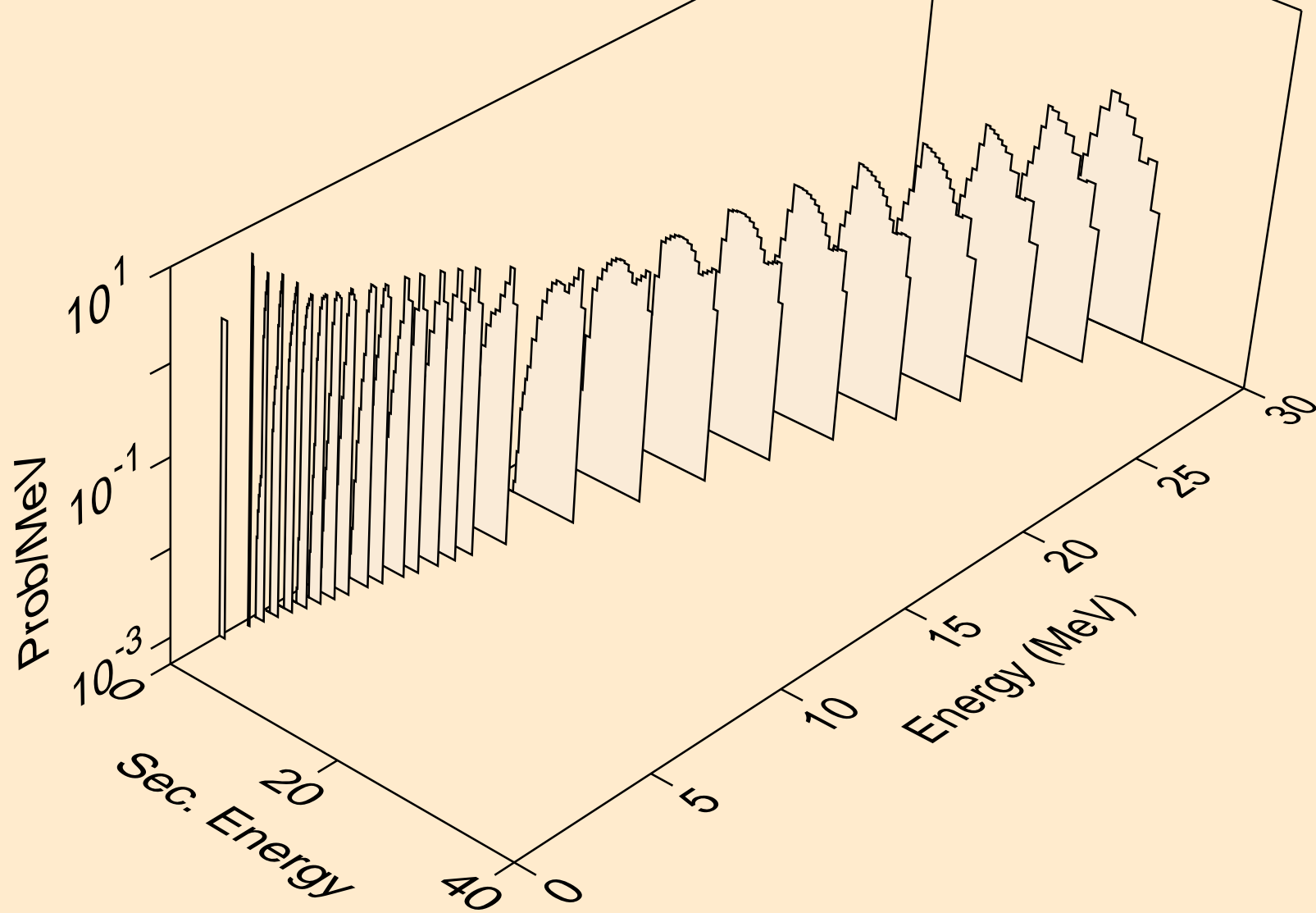
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protons from (n,2np)



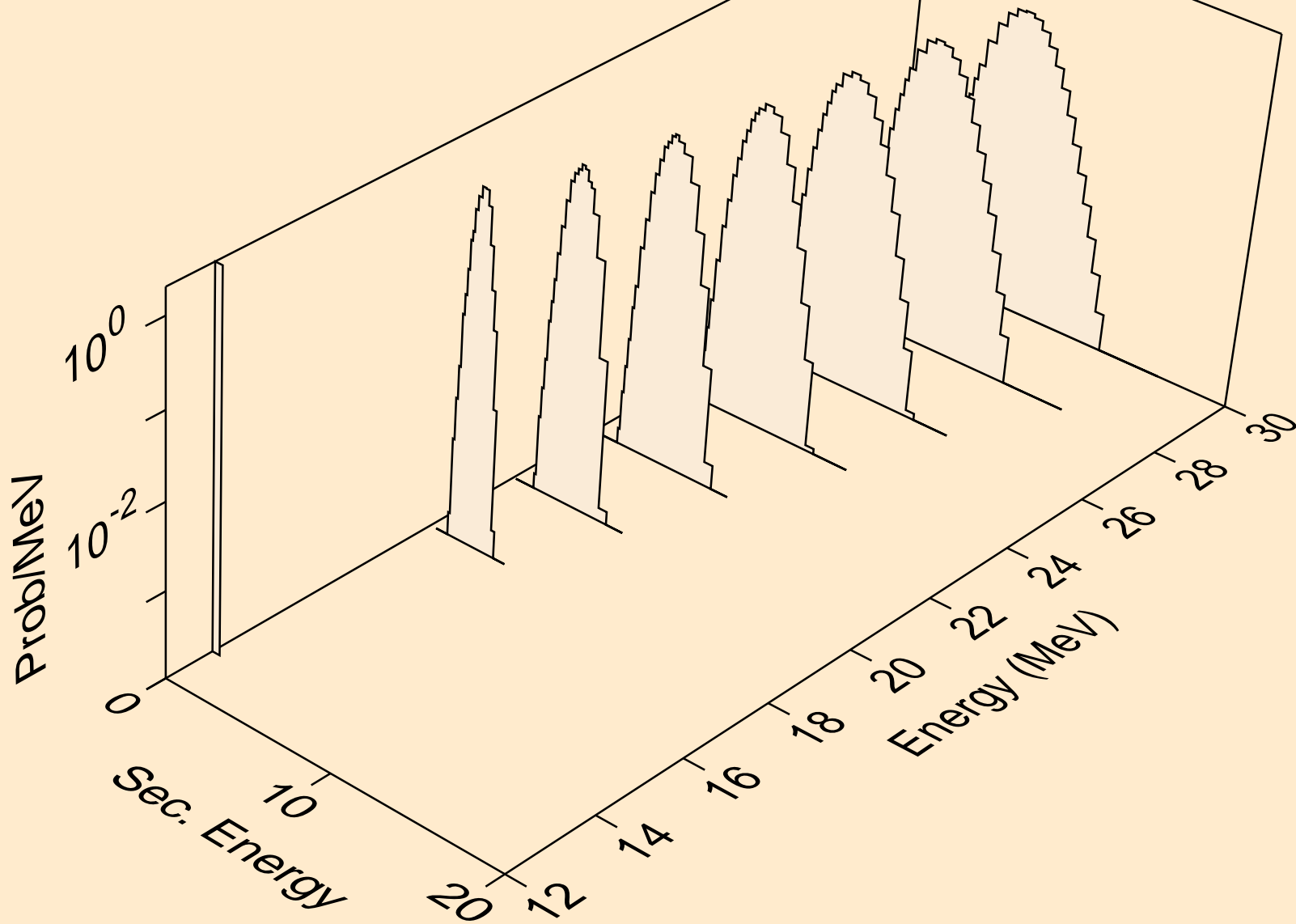
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protons from (n,npa)



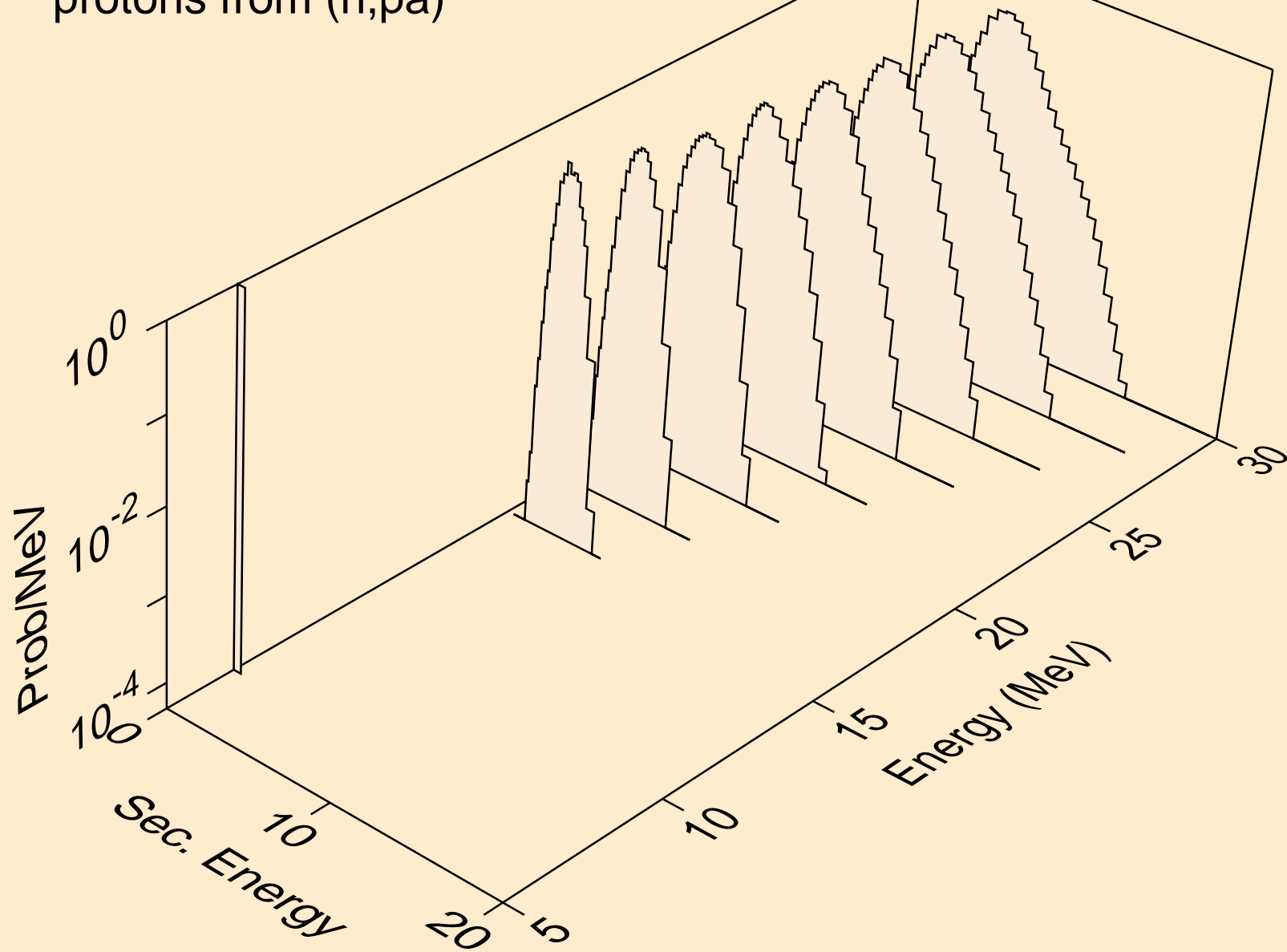
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protons from (n,p)



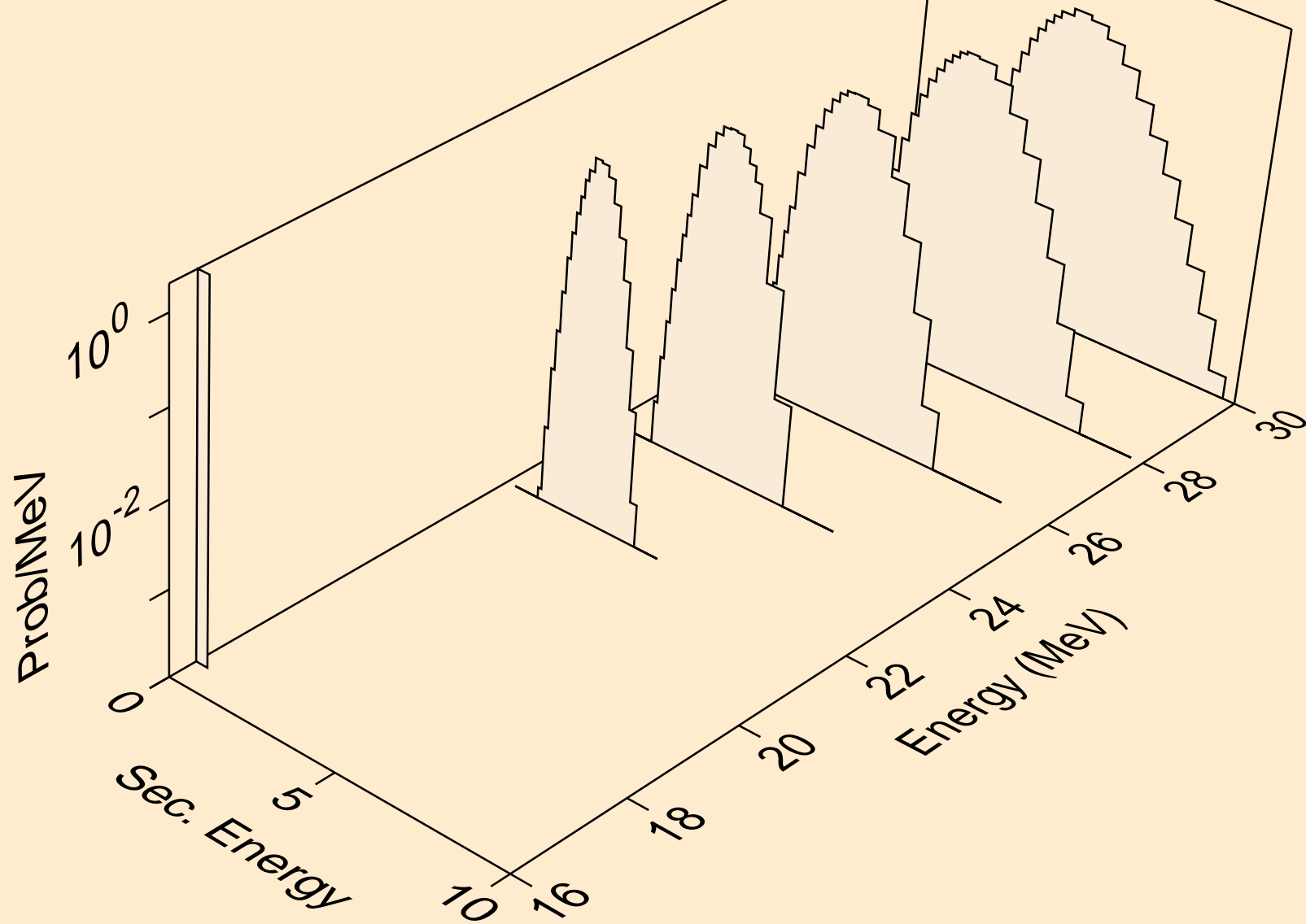
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protons from (n,2p)



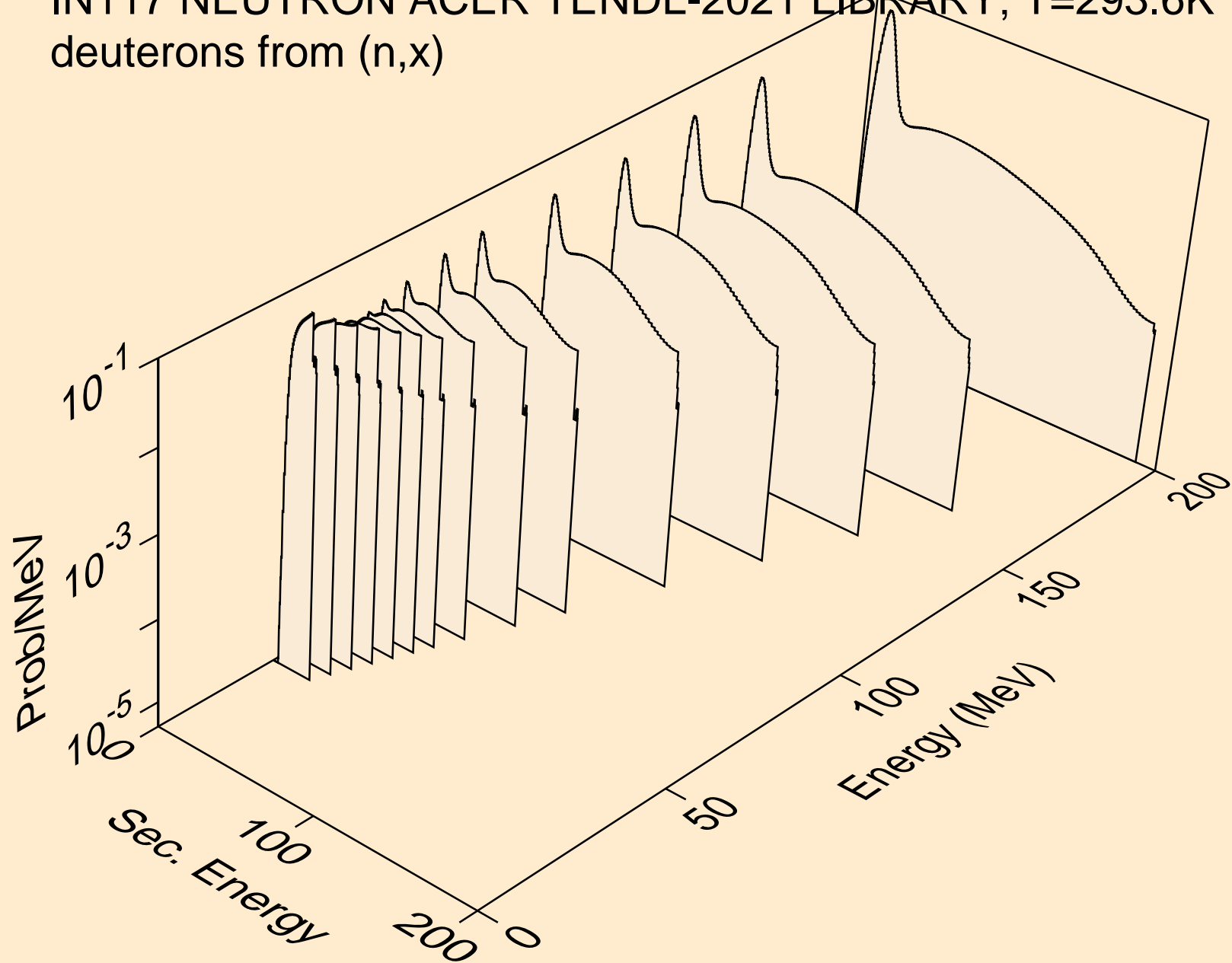
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protons from (n,p)



IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pd)

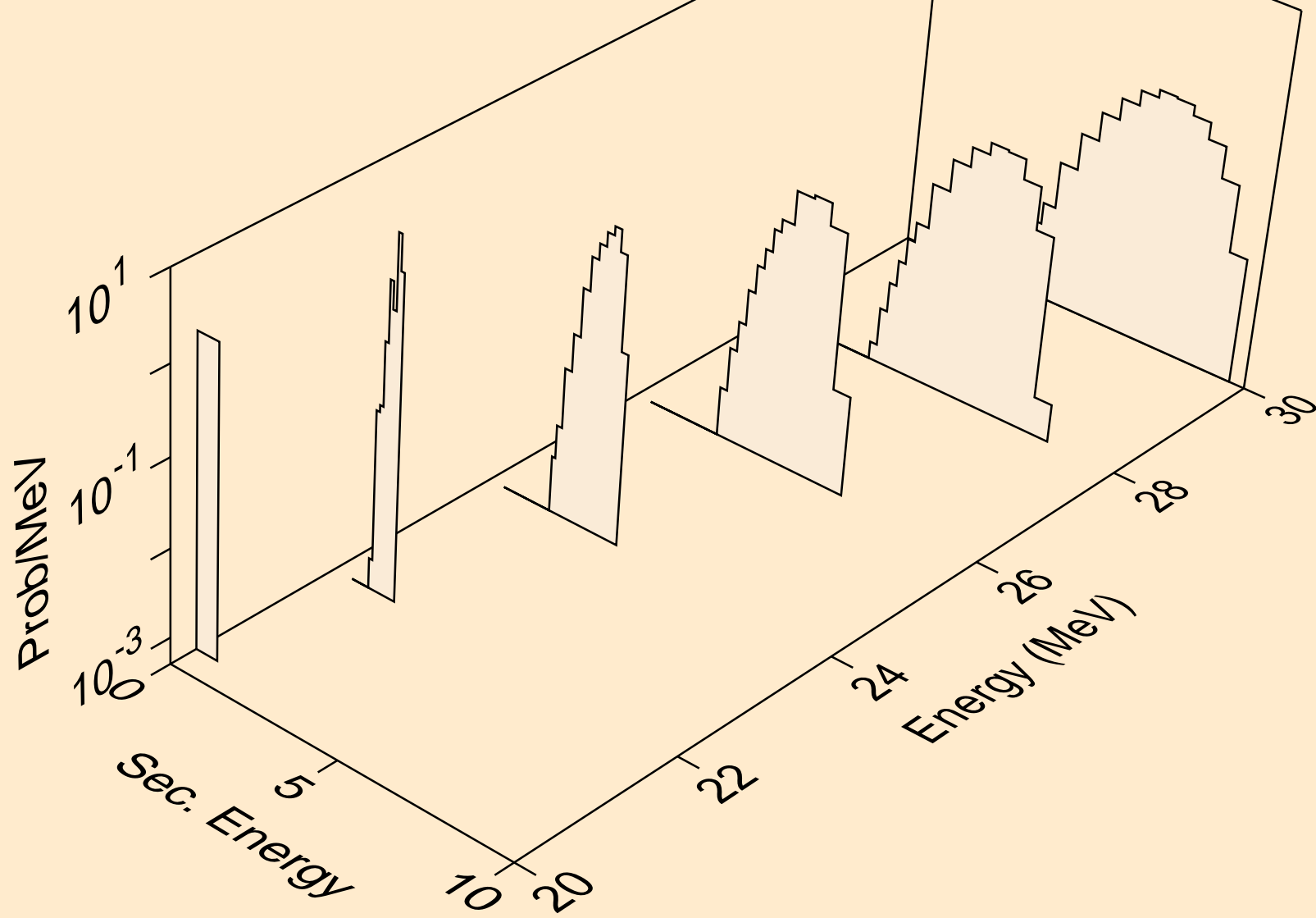


IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,x)

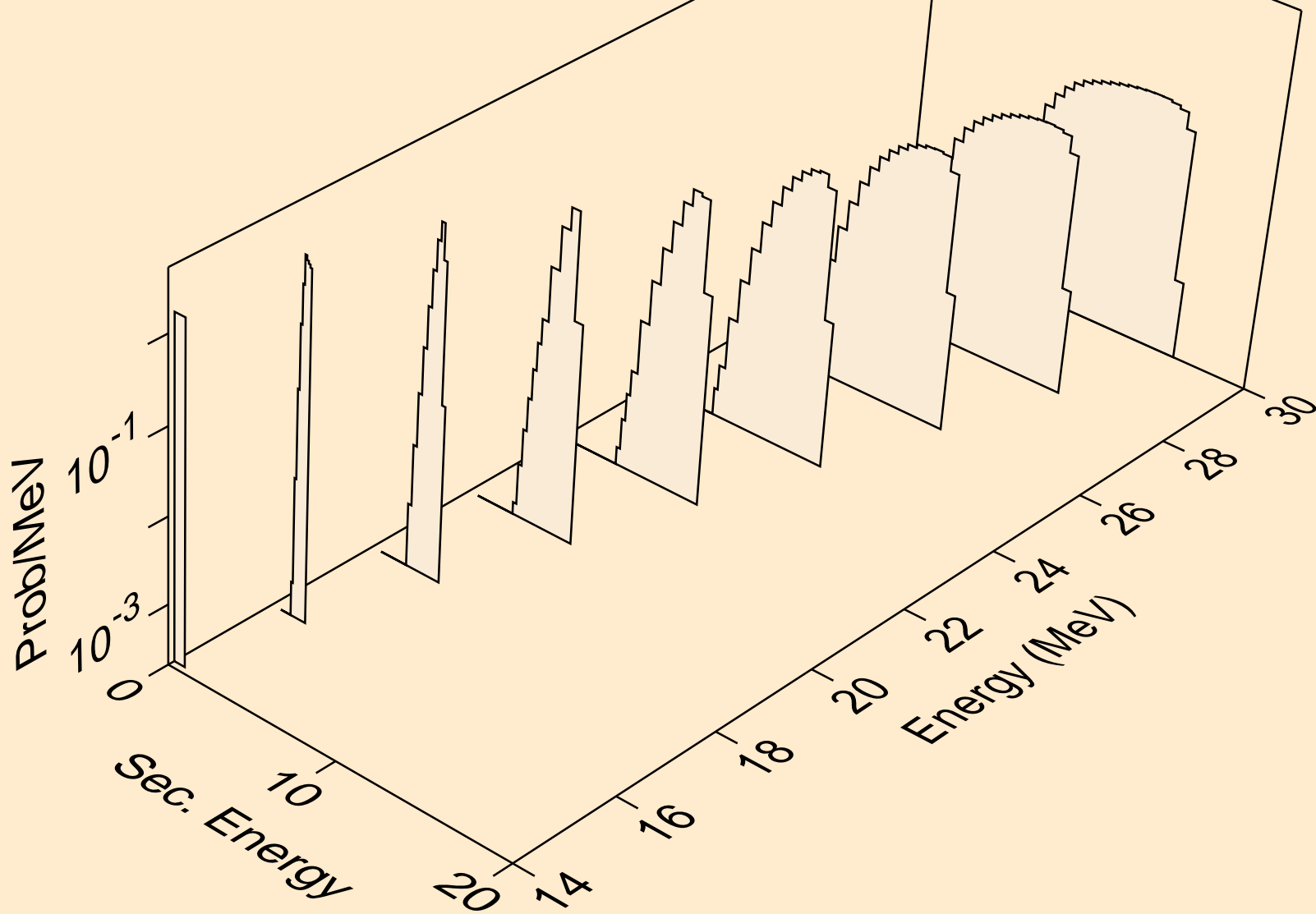




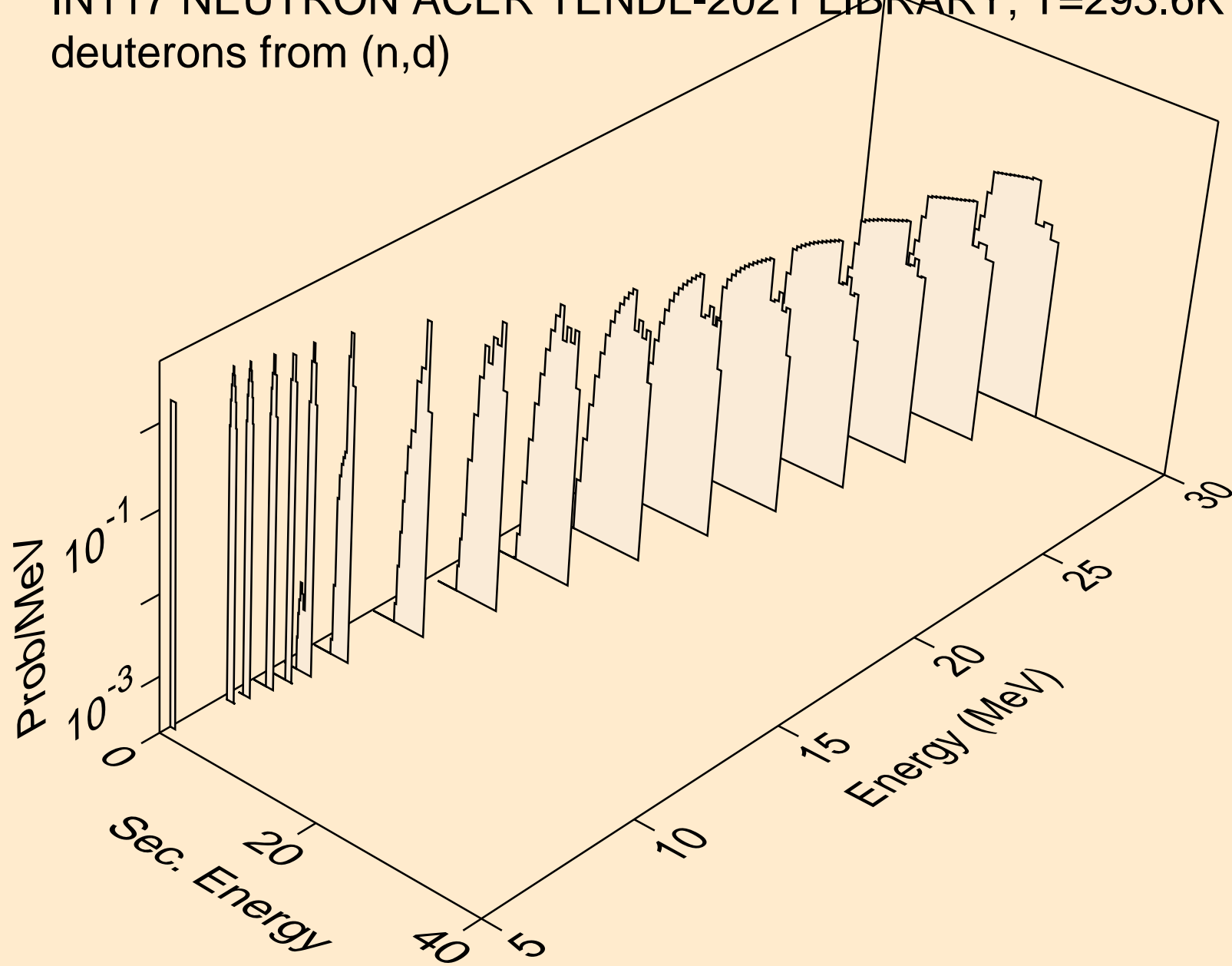
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deuterons from (n,2nd)



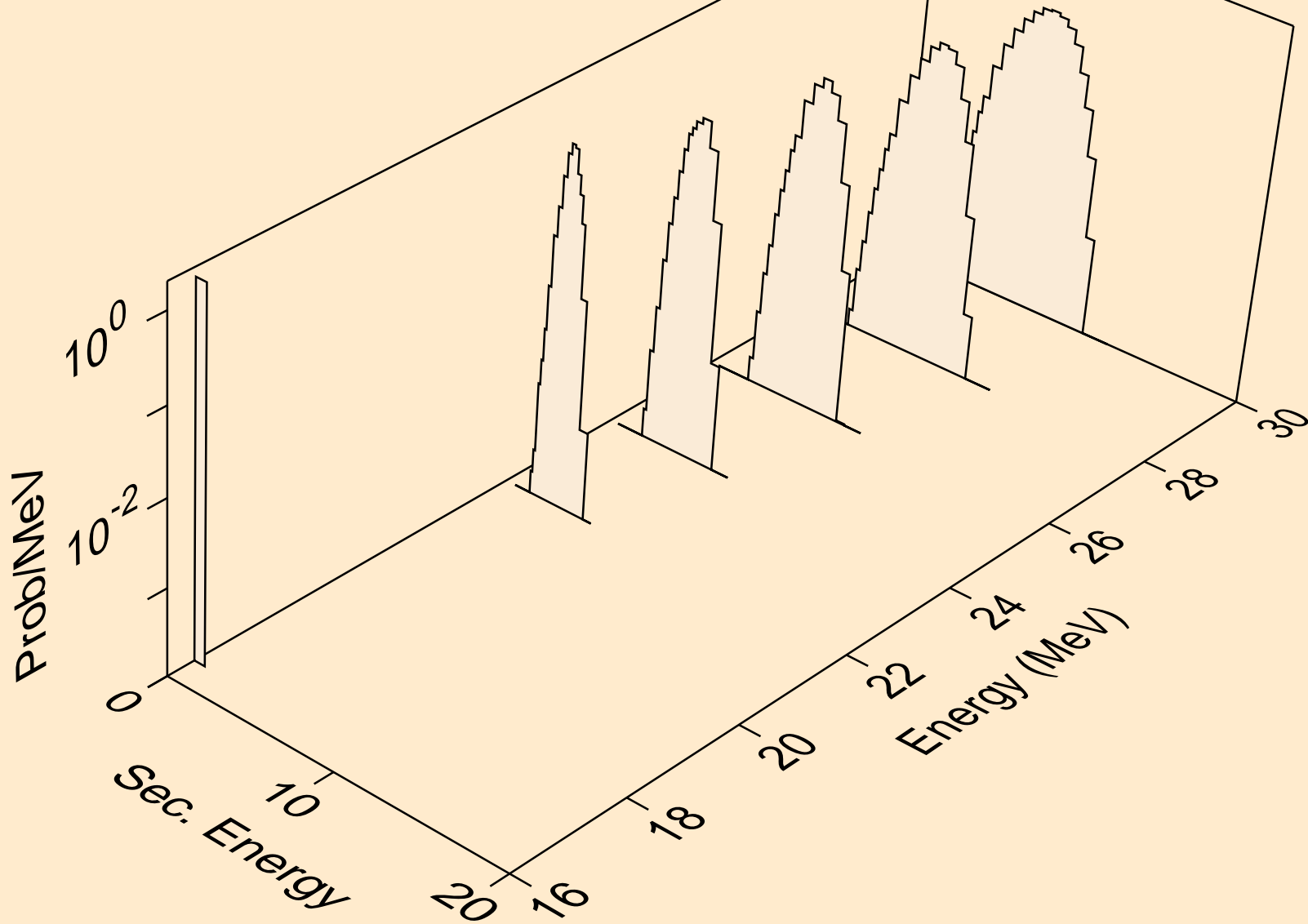
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deuterons from (n,n\*)d



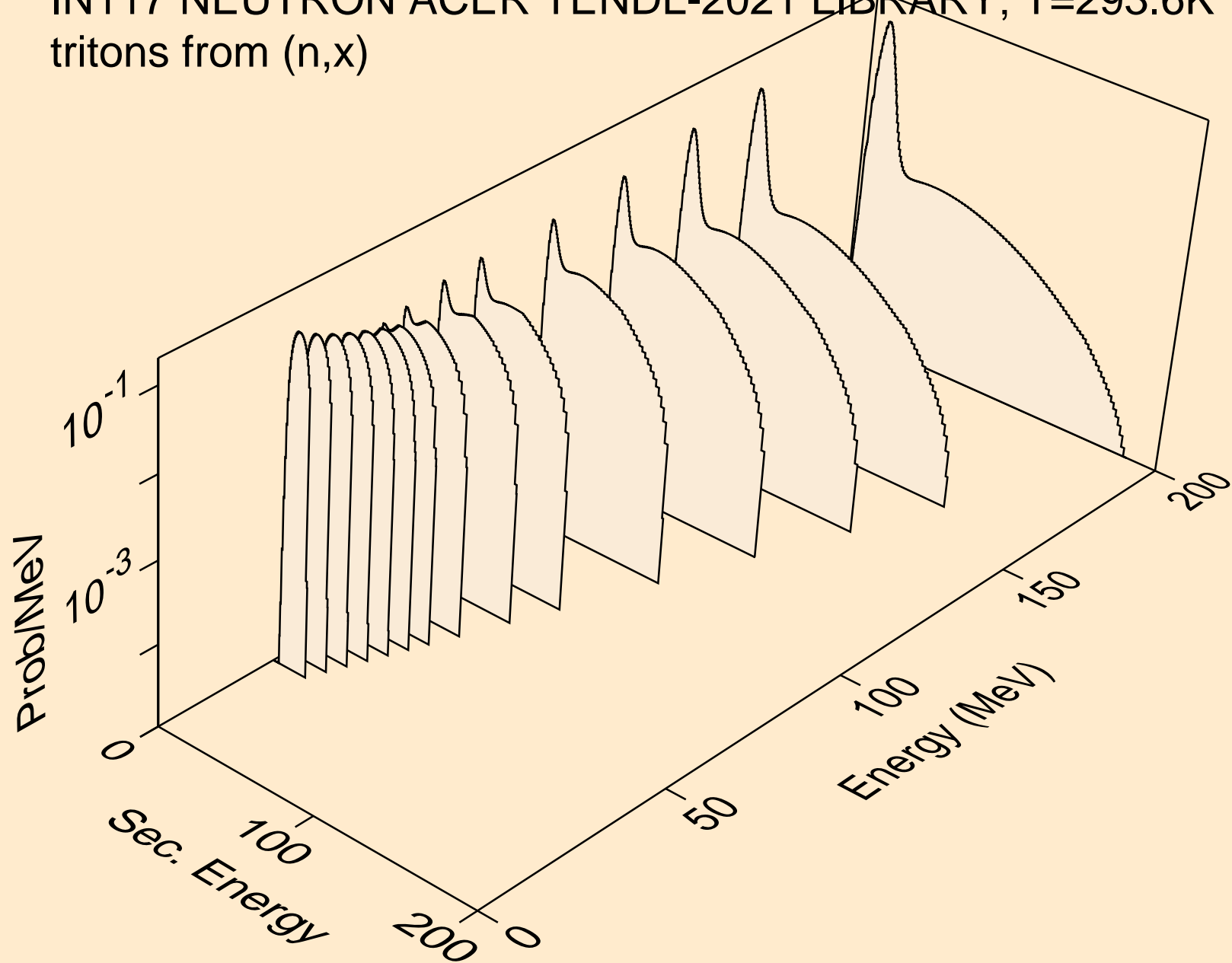
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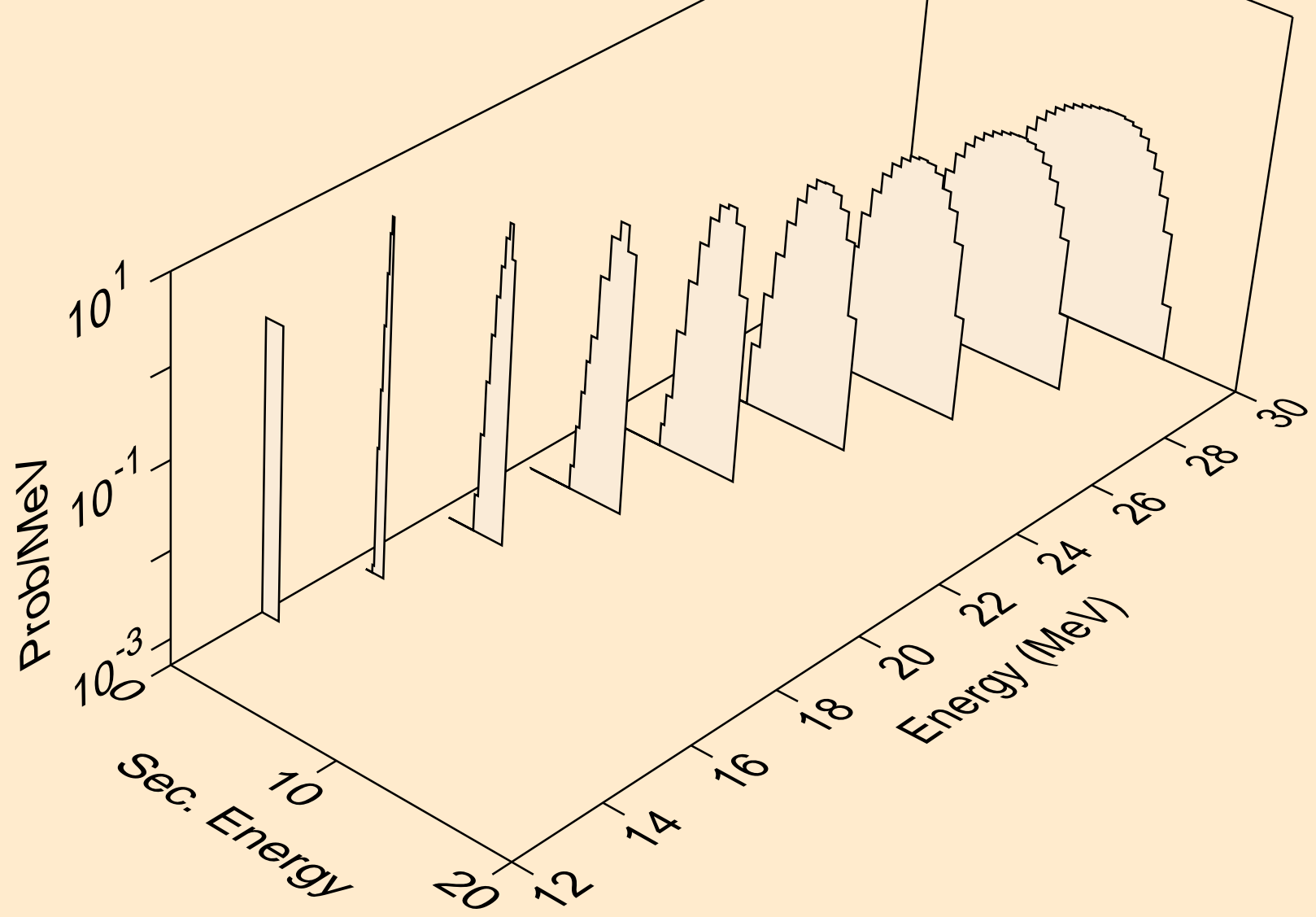
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deuterons from (n,pd)



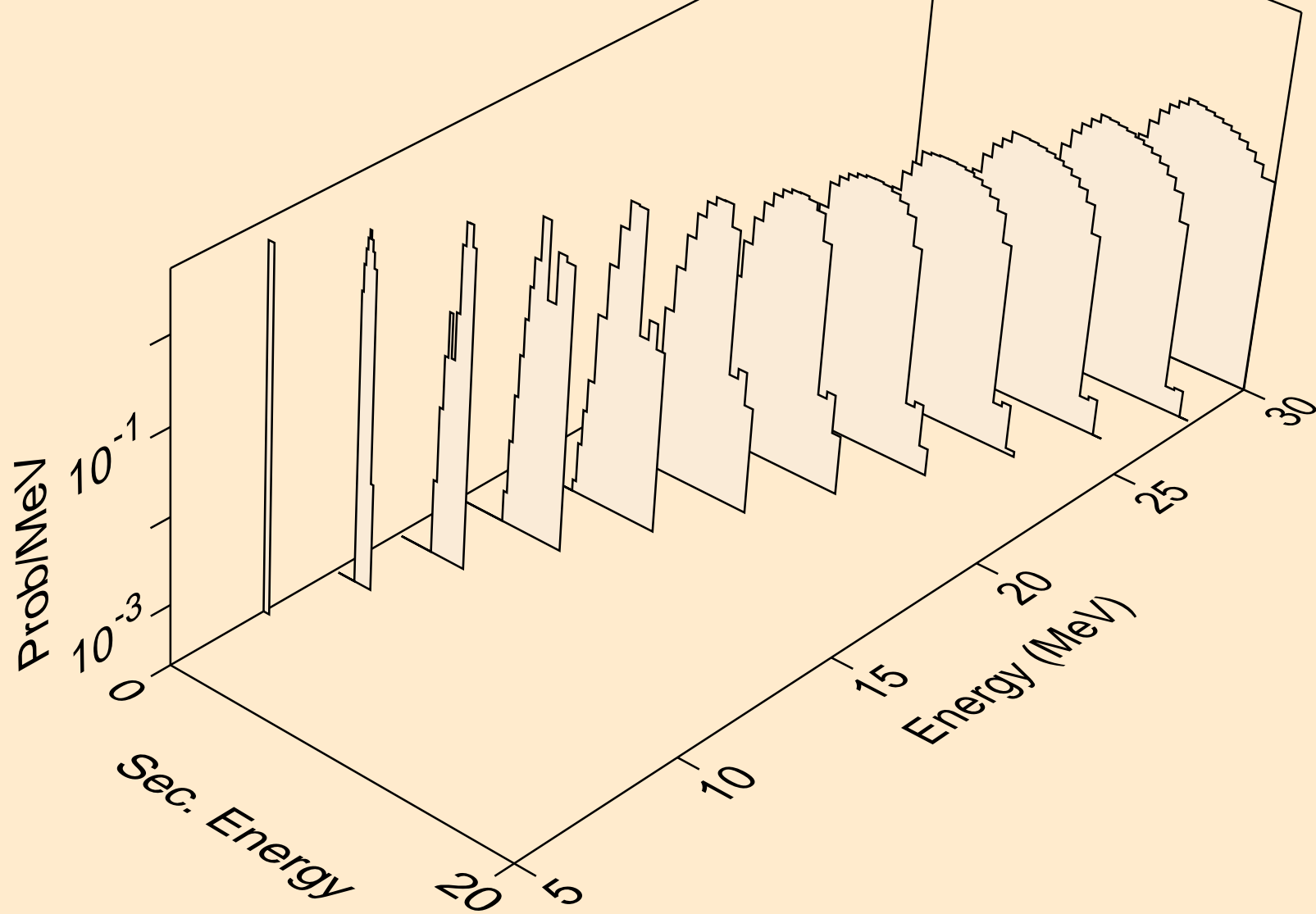
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)



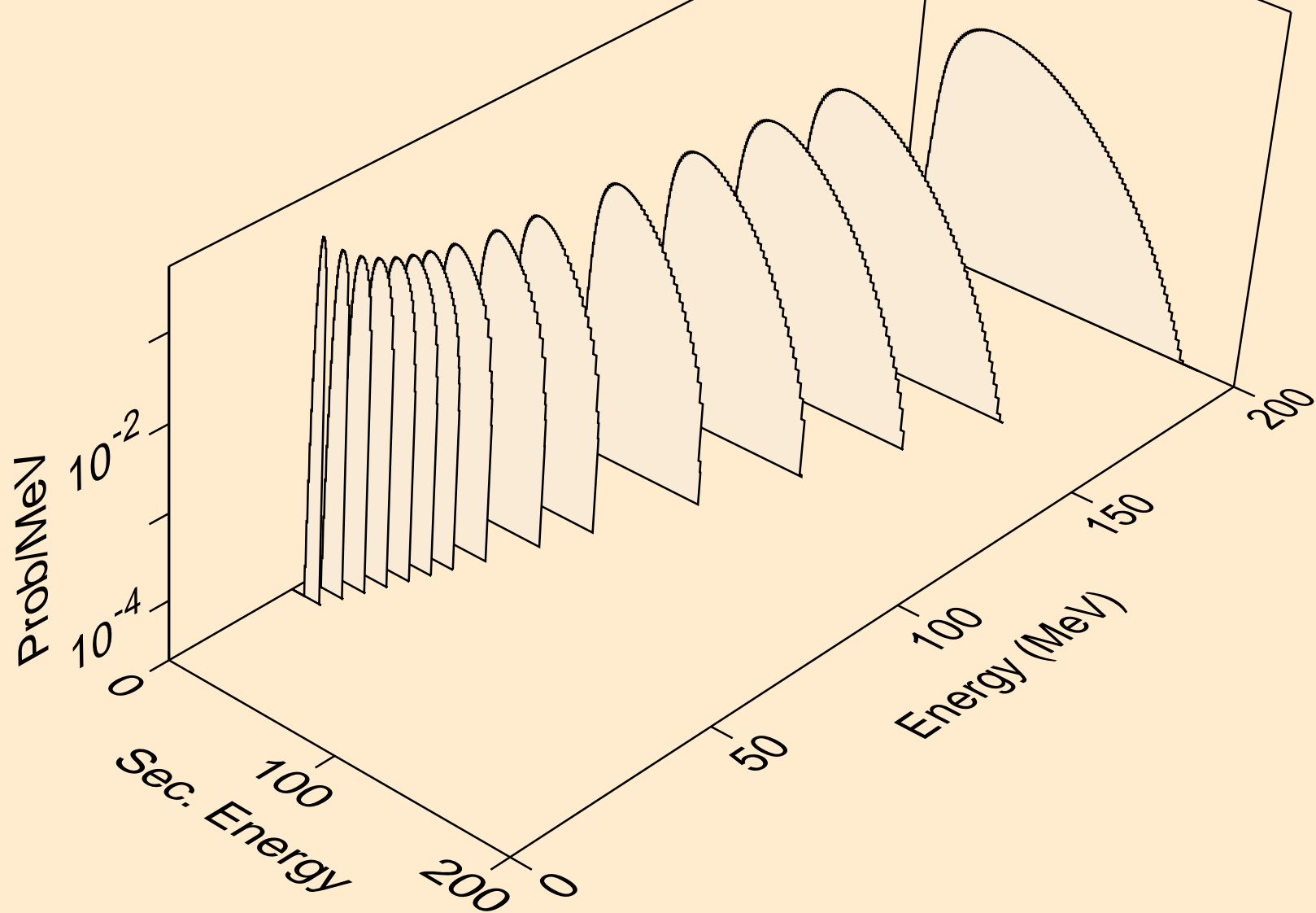
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t



IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,t)

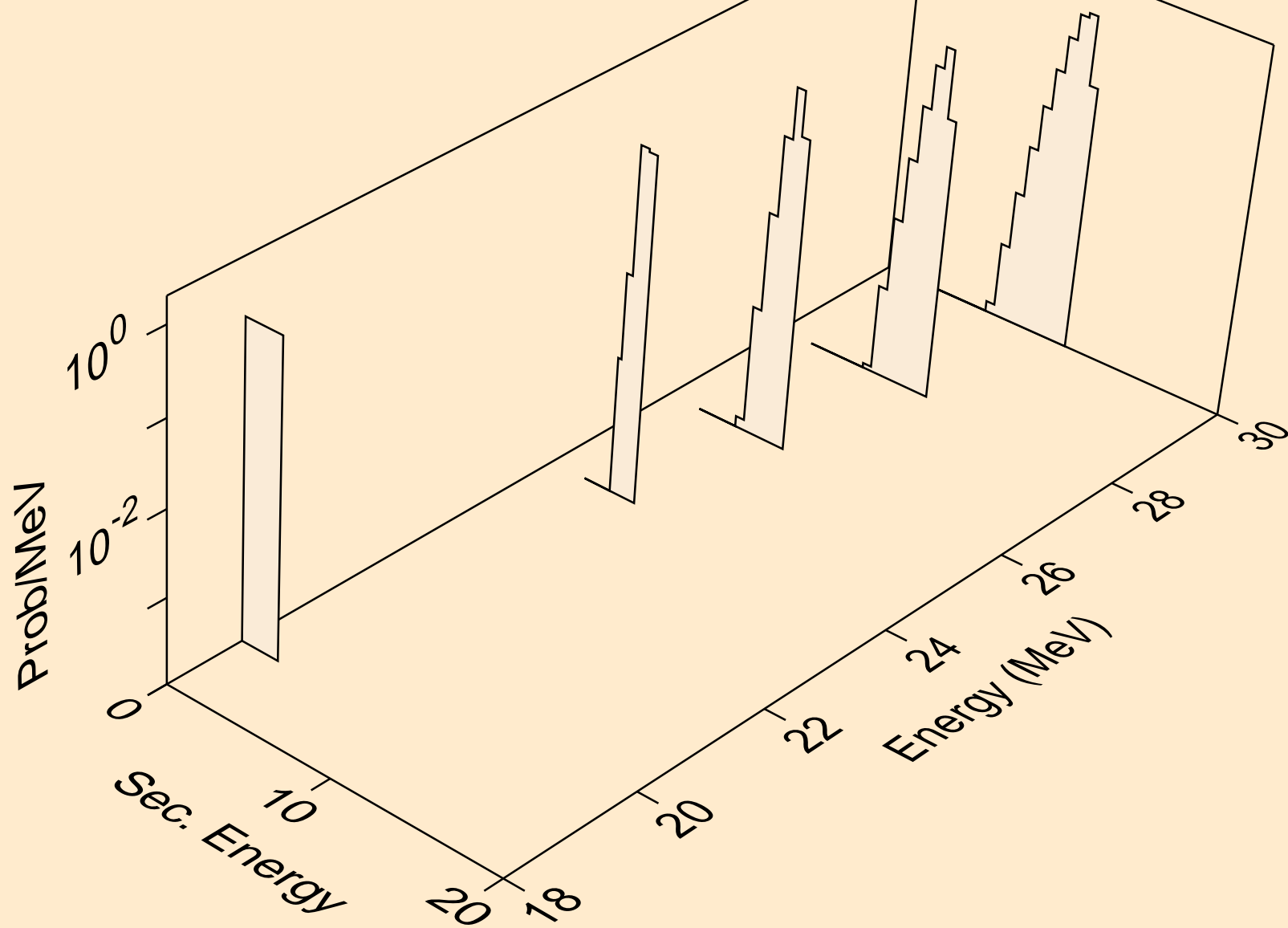


IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)

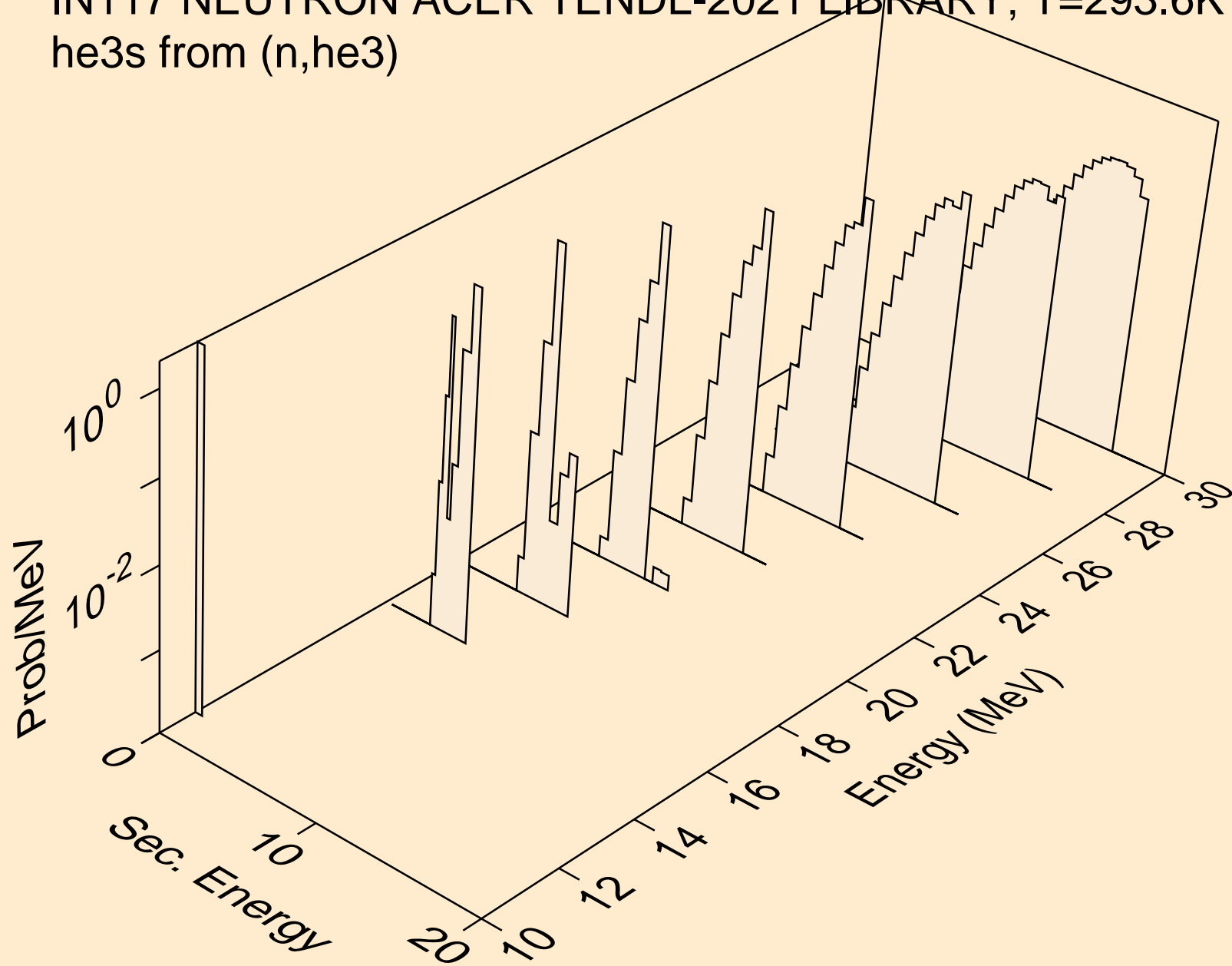




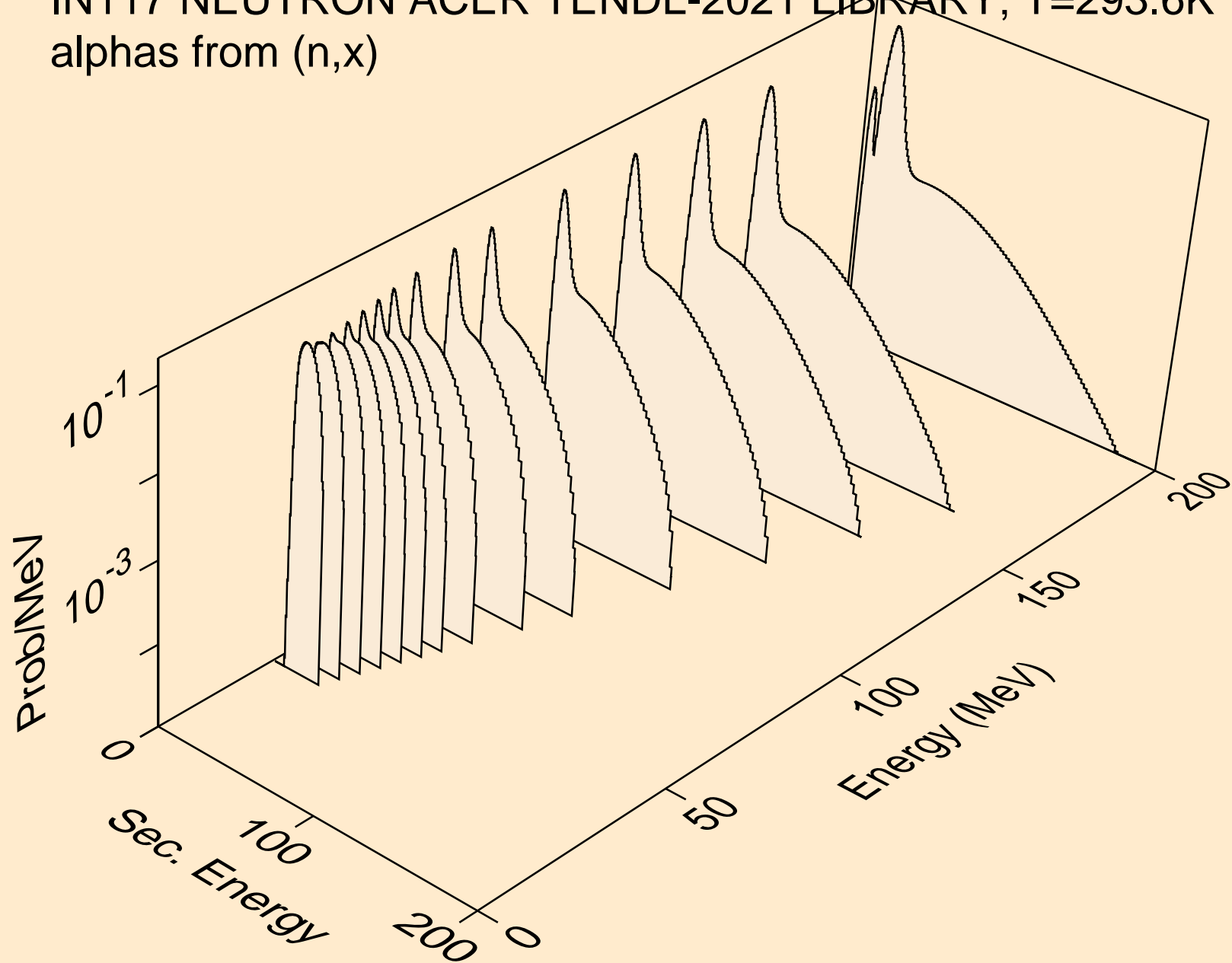
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he3s from (n,n\*)he3



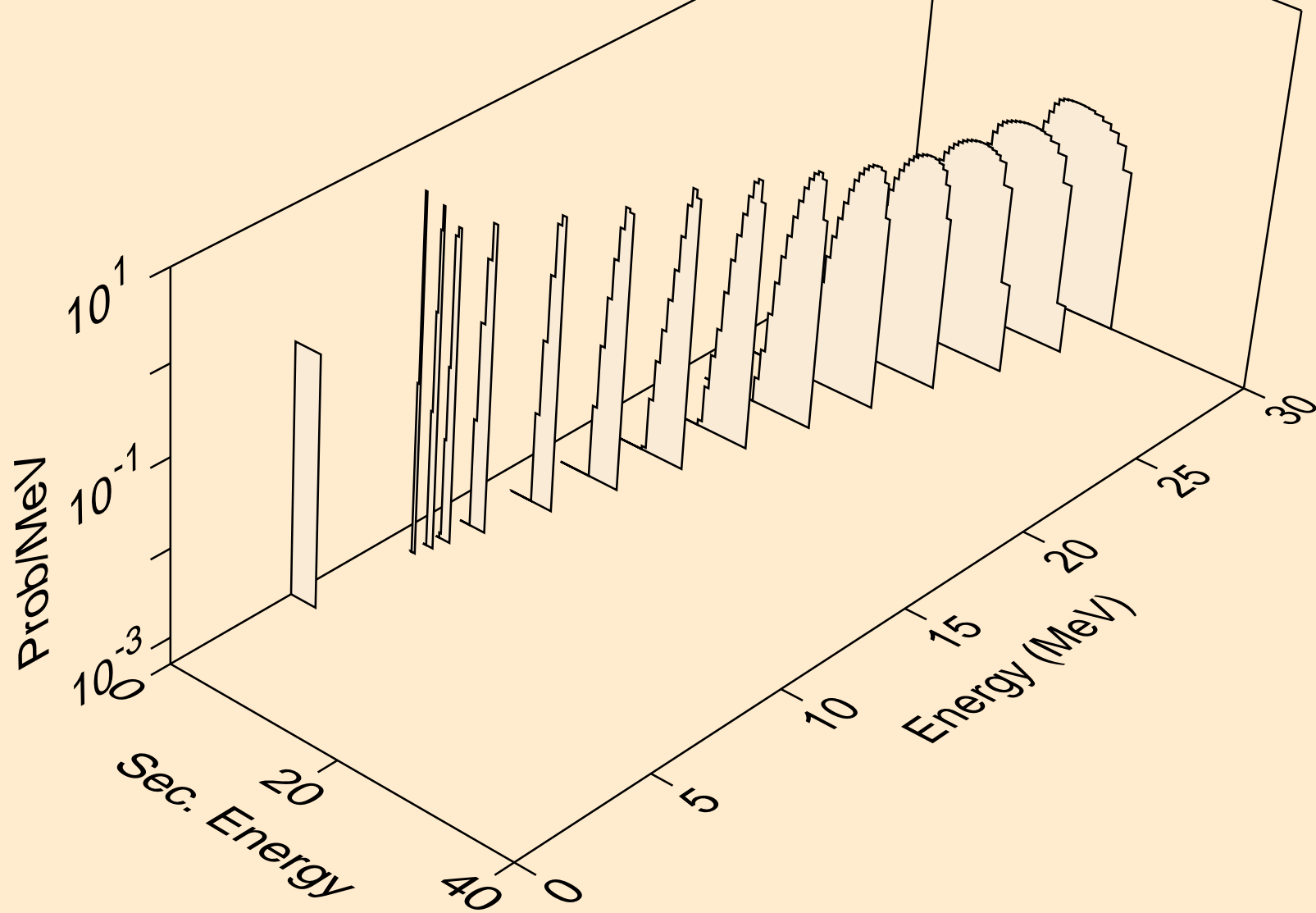
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he3s from (n,he3)



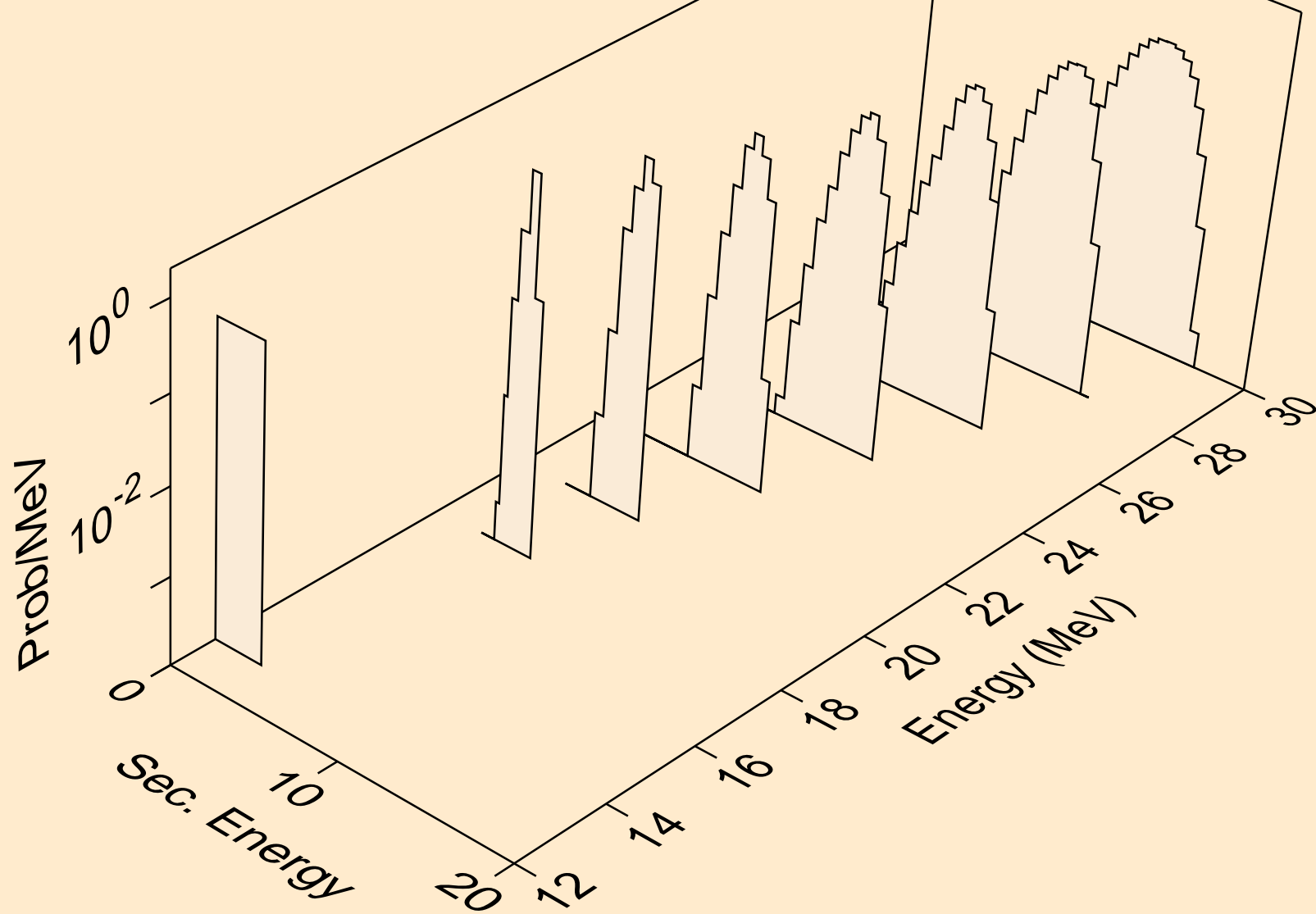
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



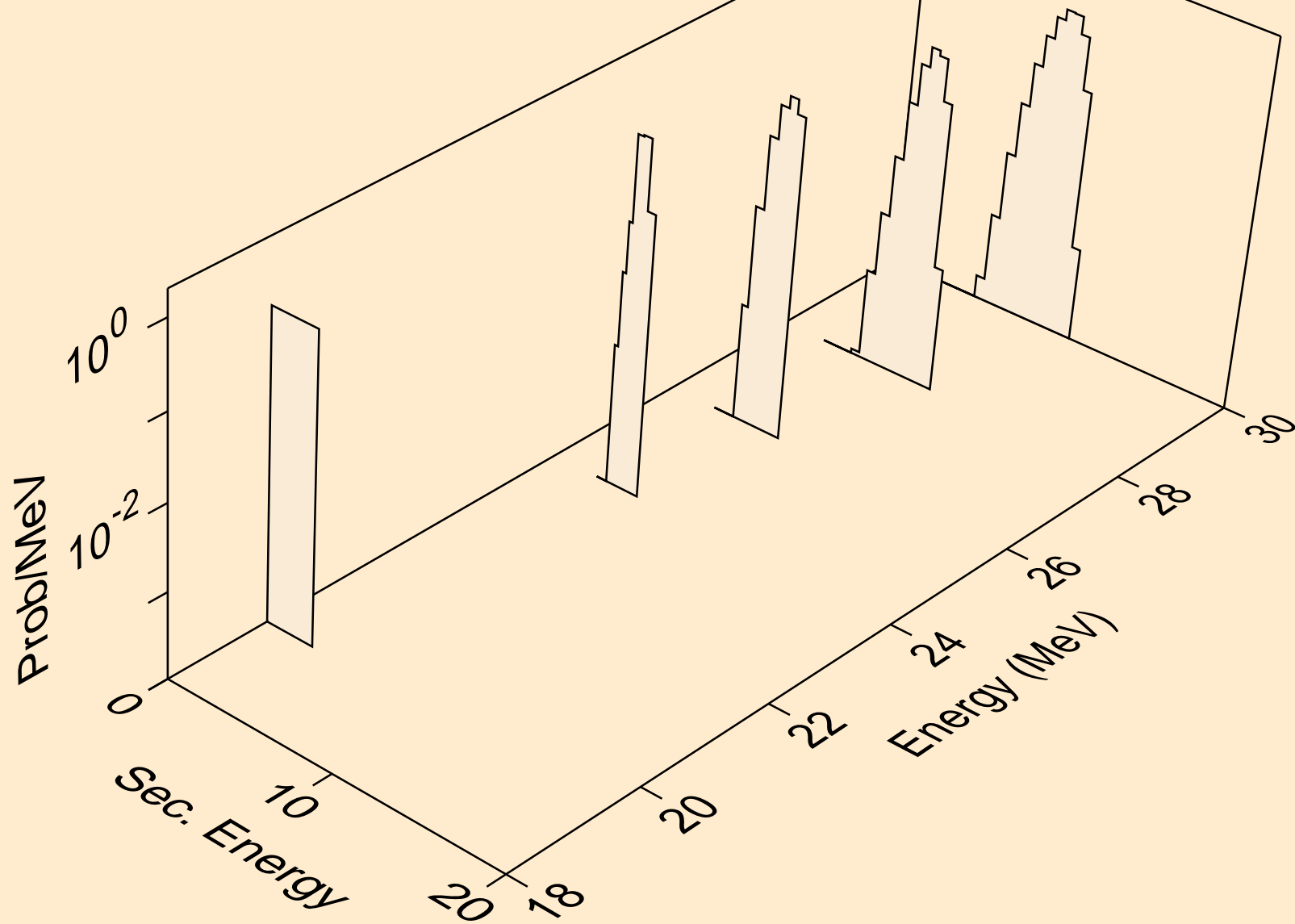
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alphas from (n,n\*)a



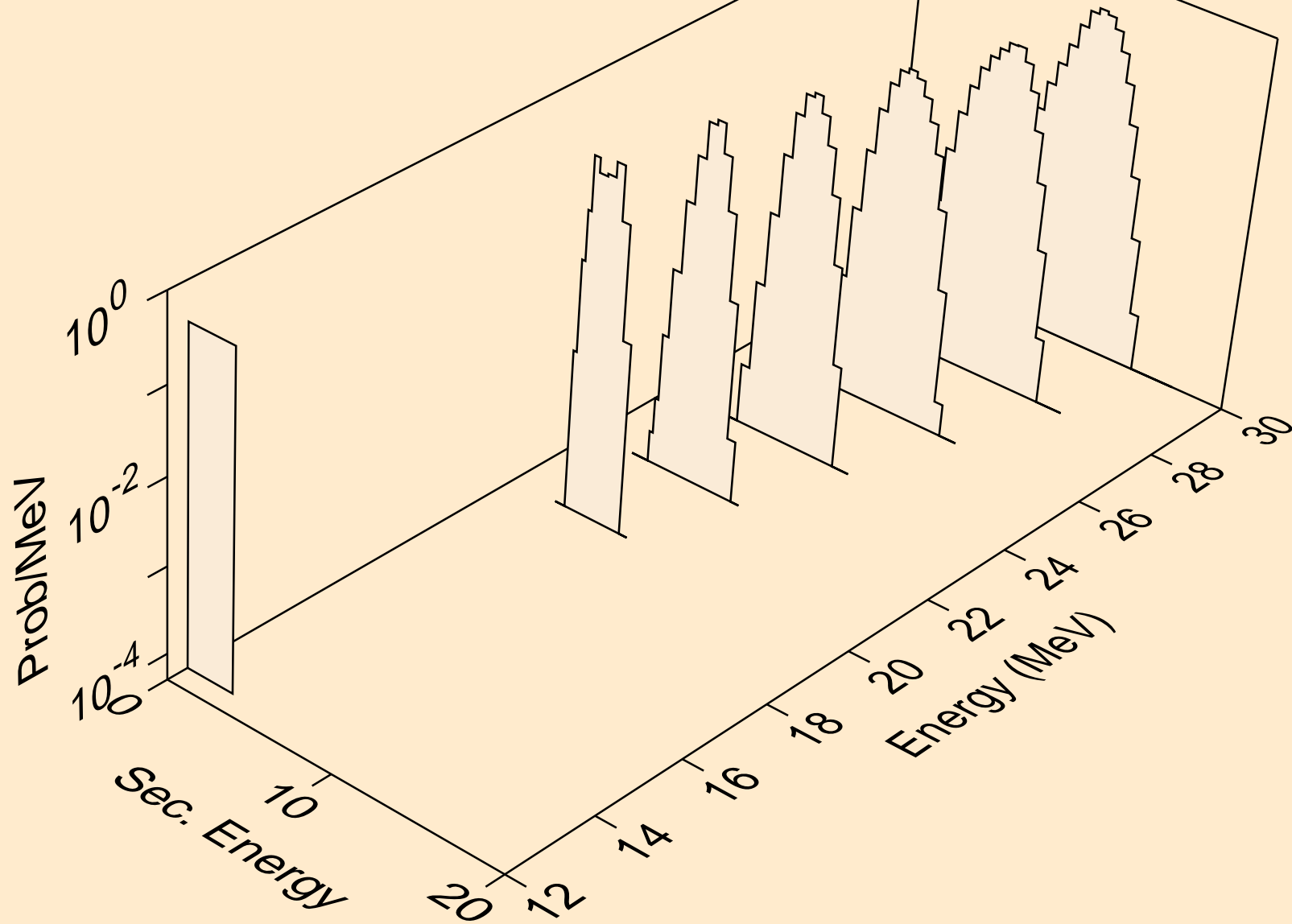
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alphas from (n,2n)a



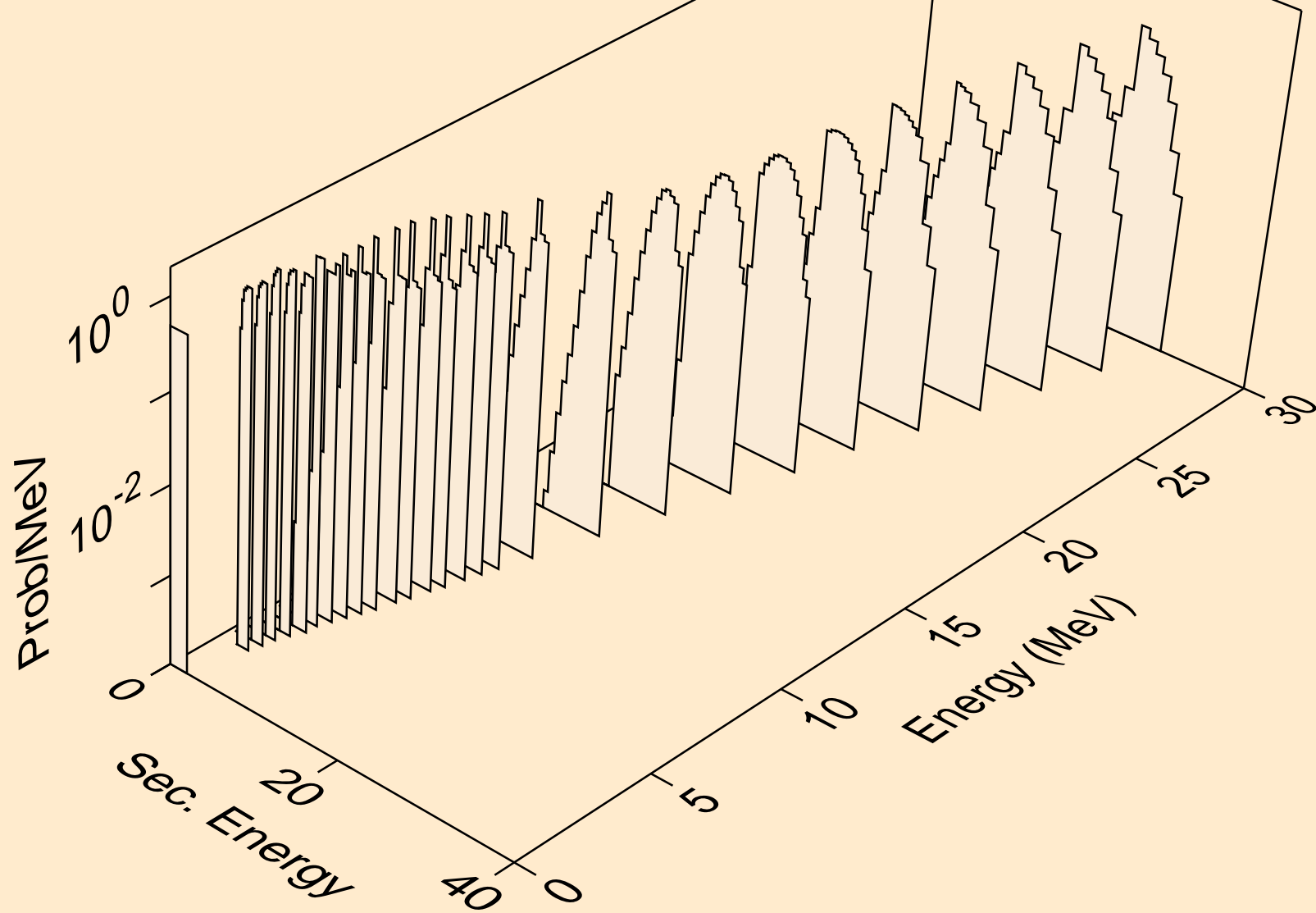
IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3n)a



IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)

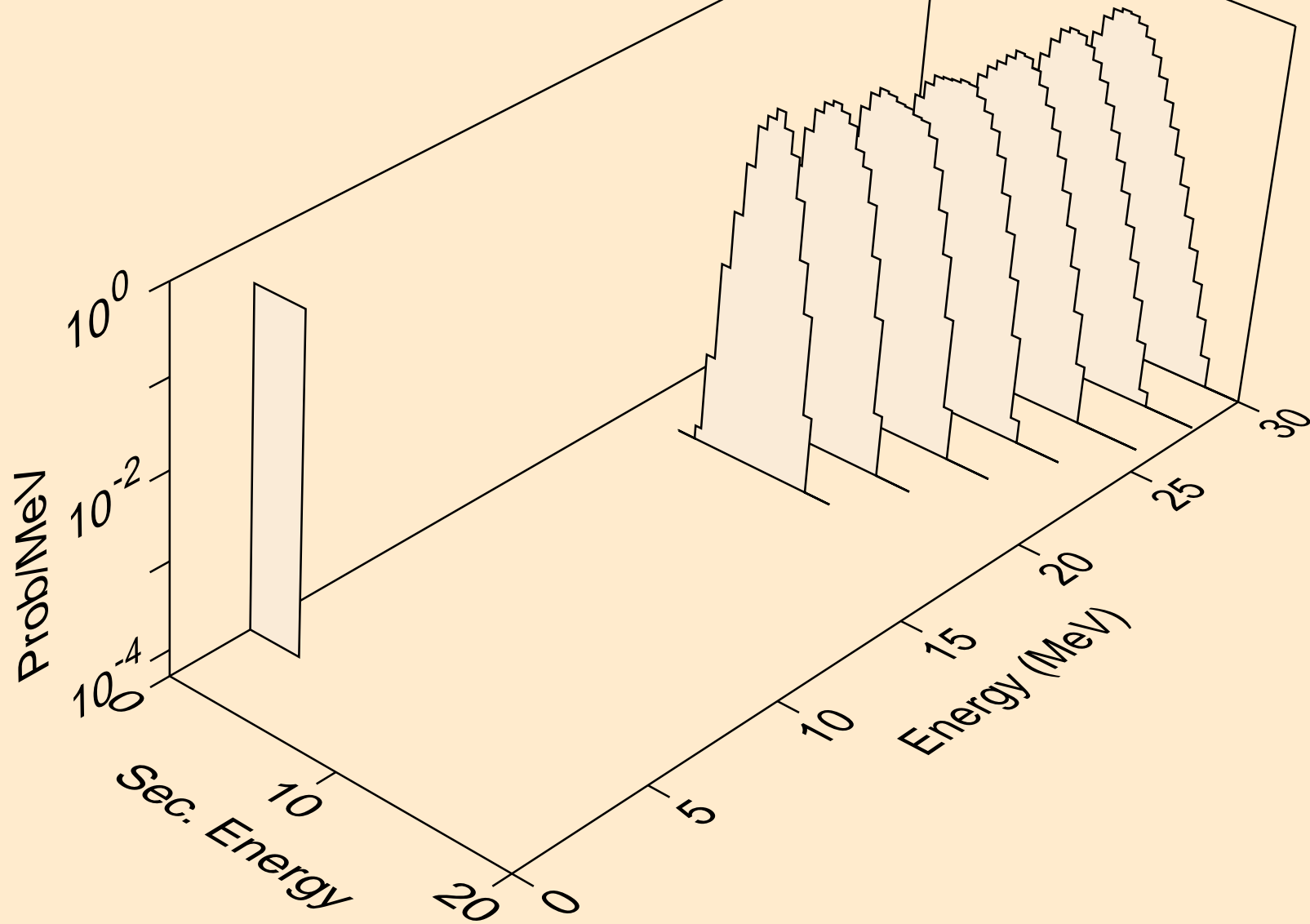


IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)





IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



IN117 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)

