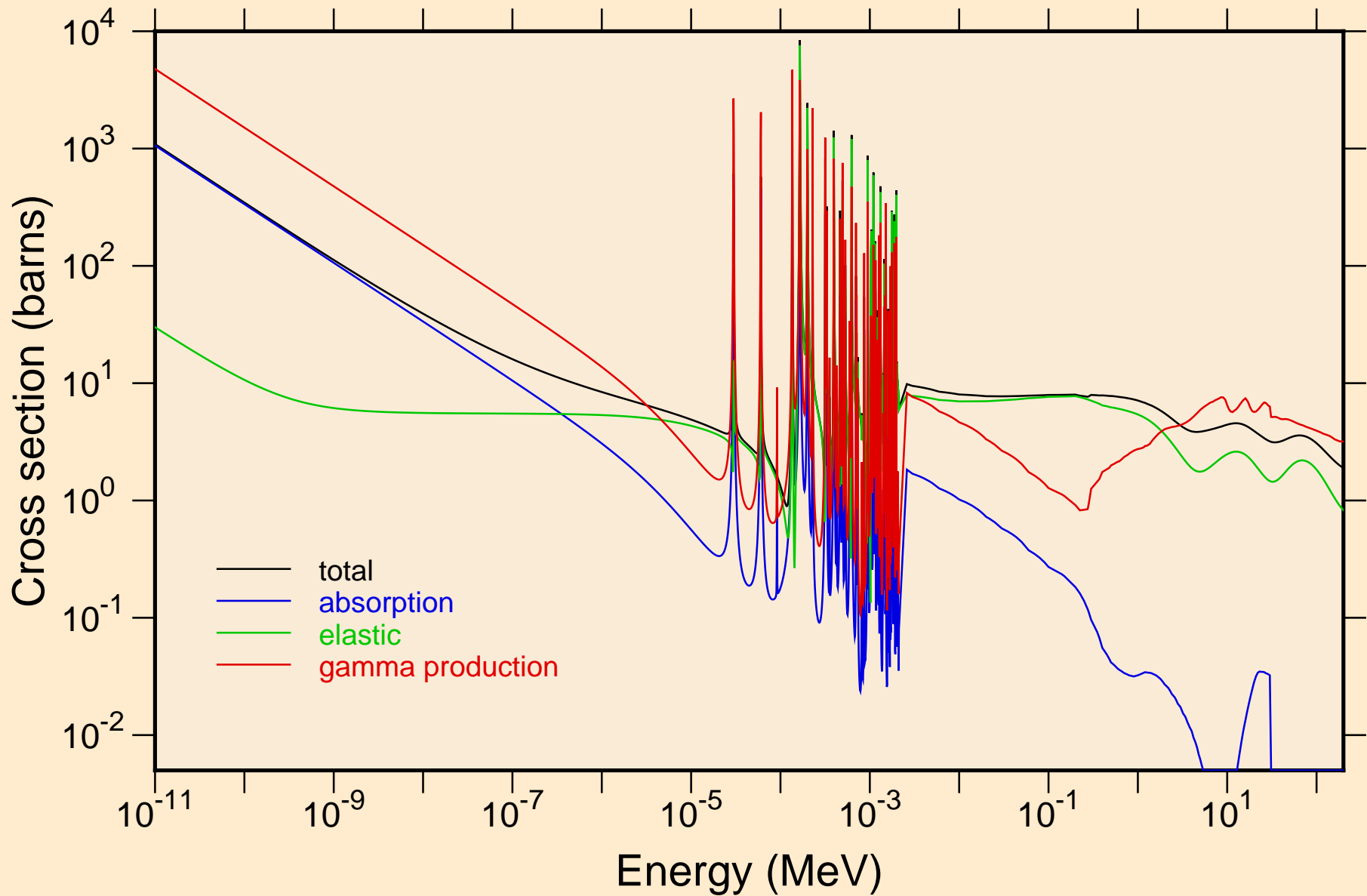
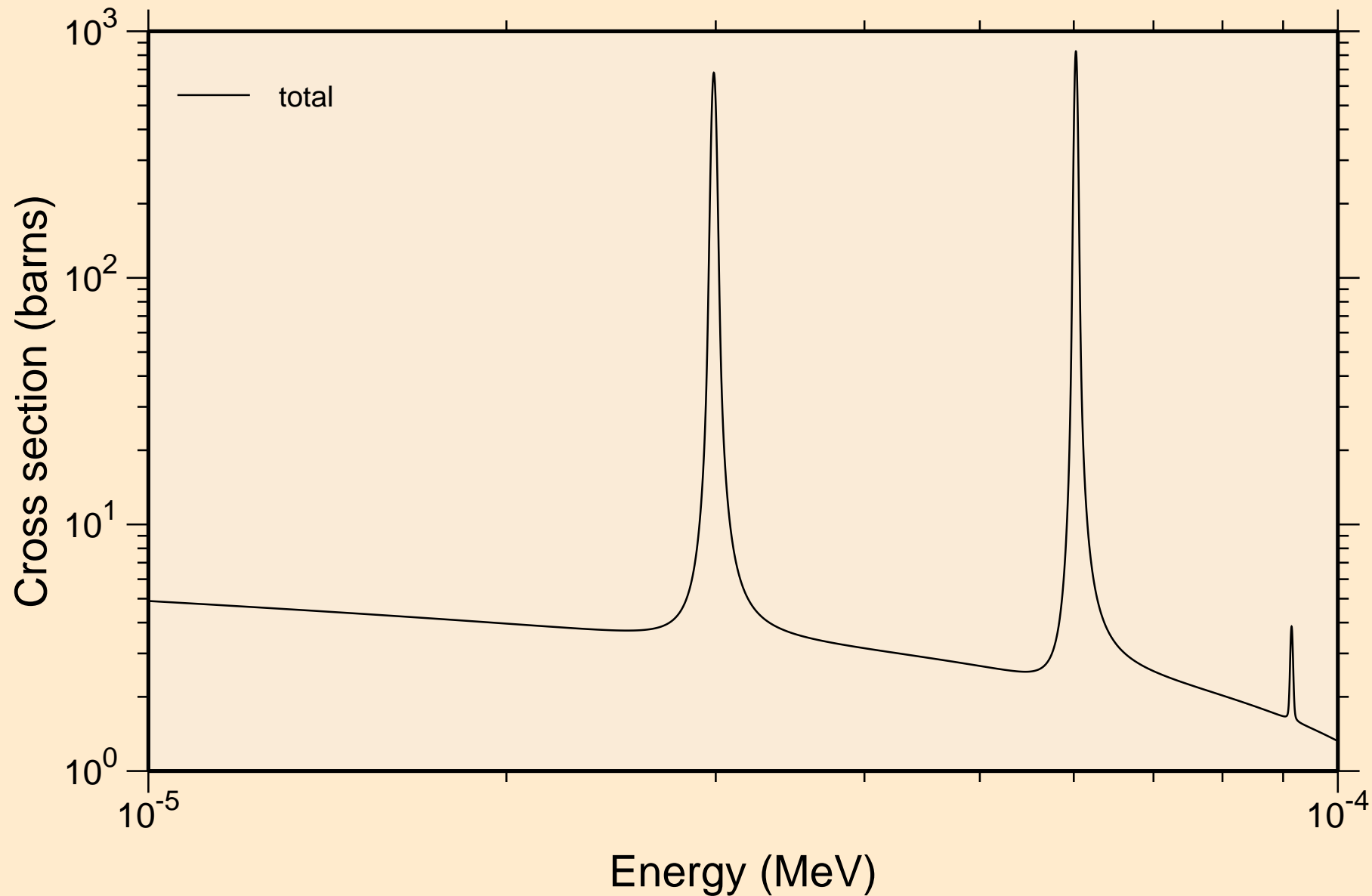


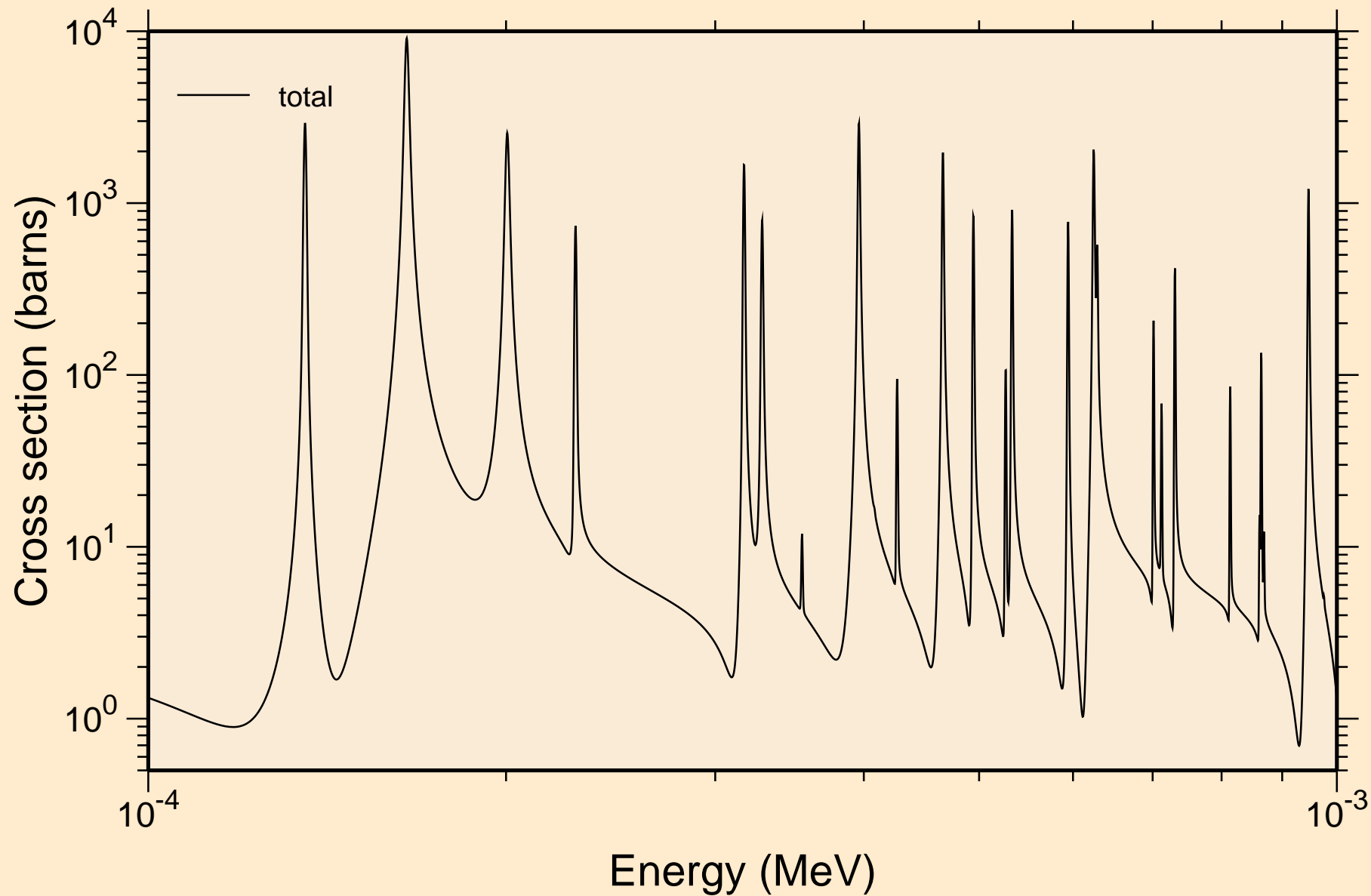
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



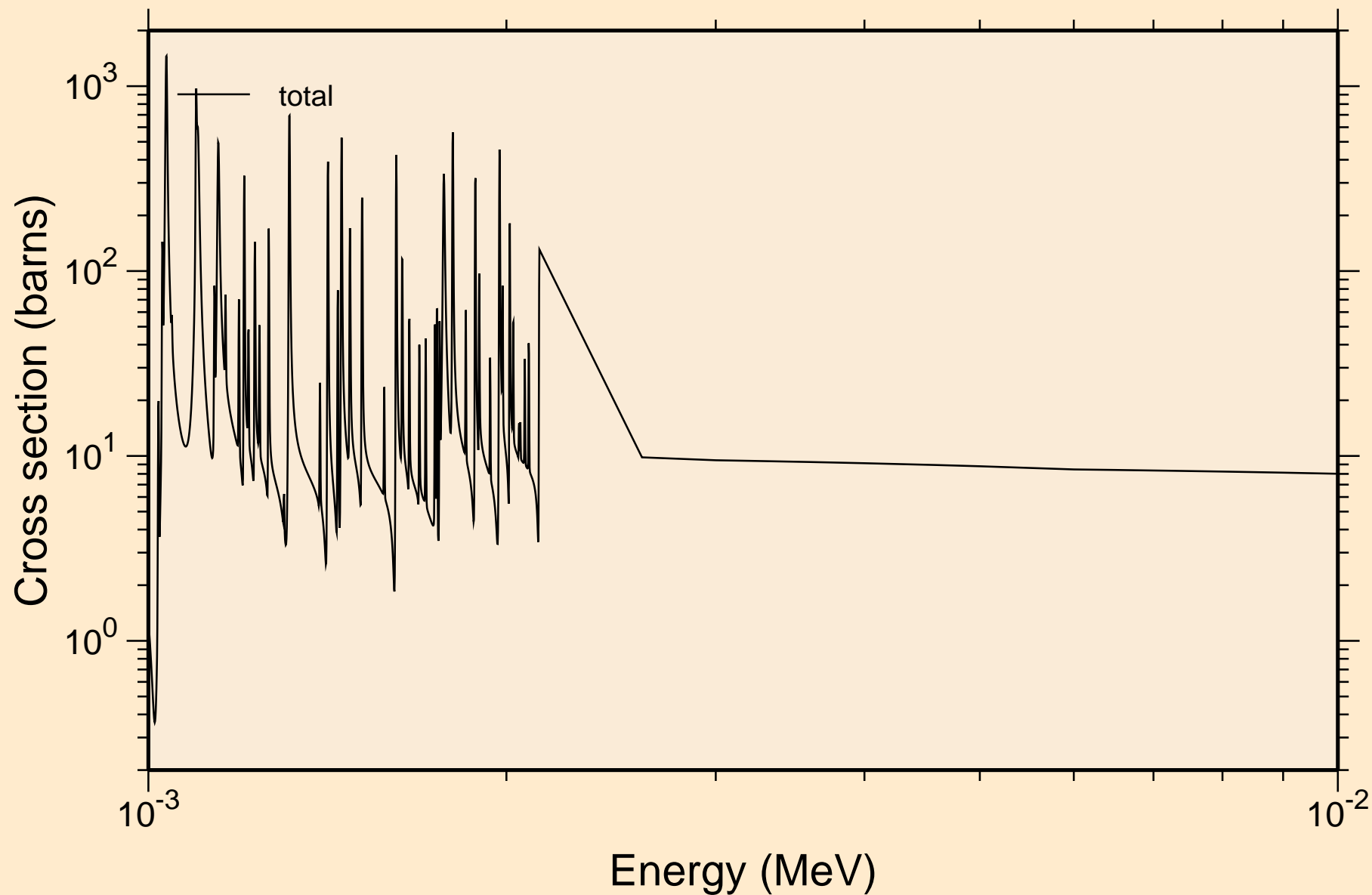
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



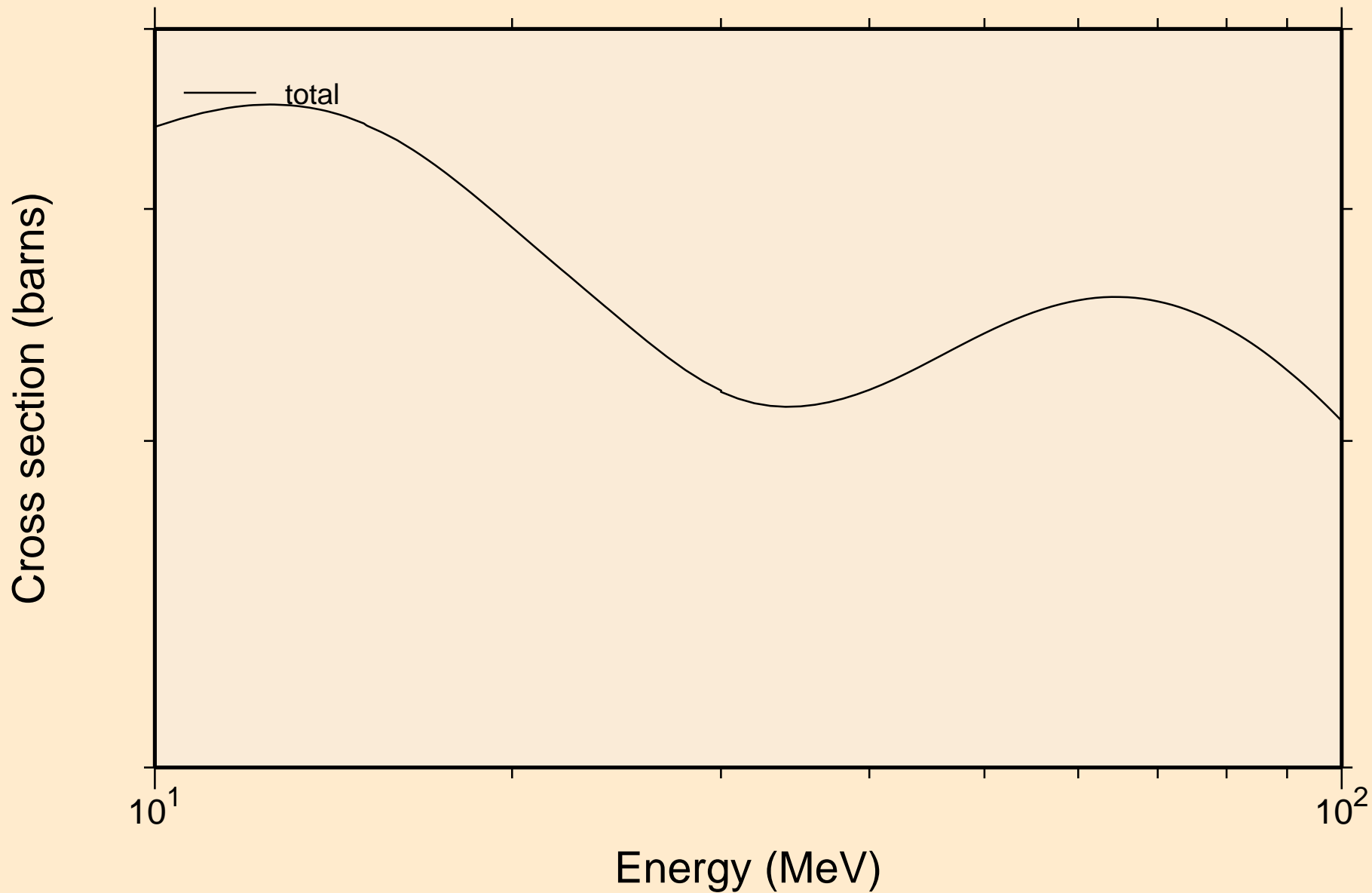
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



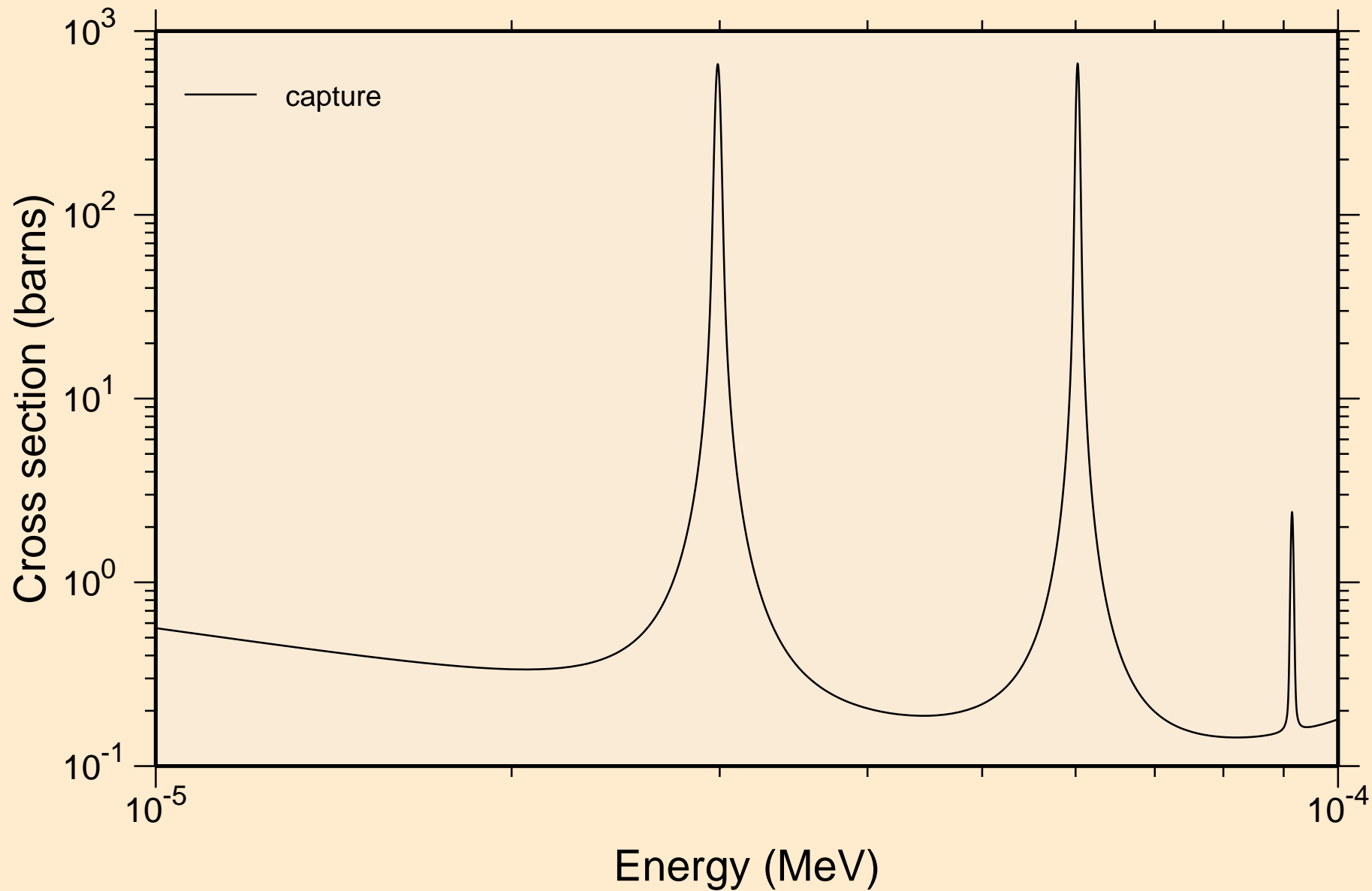
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



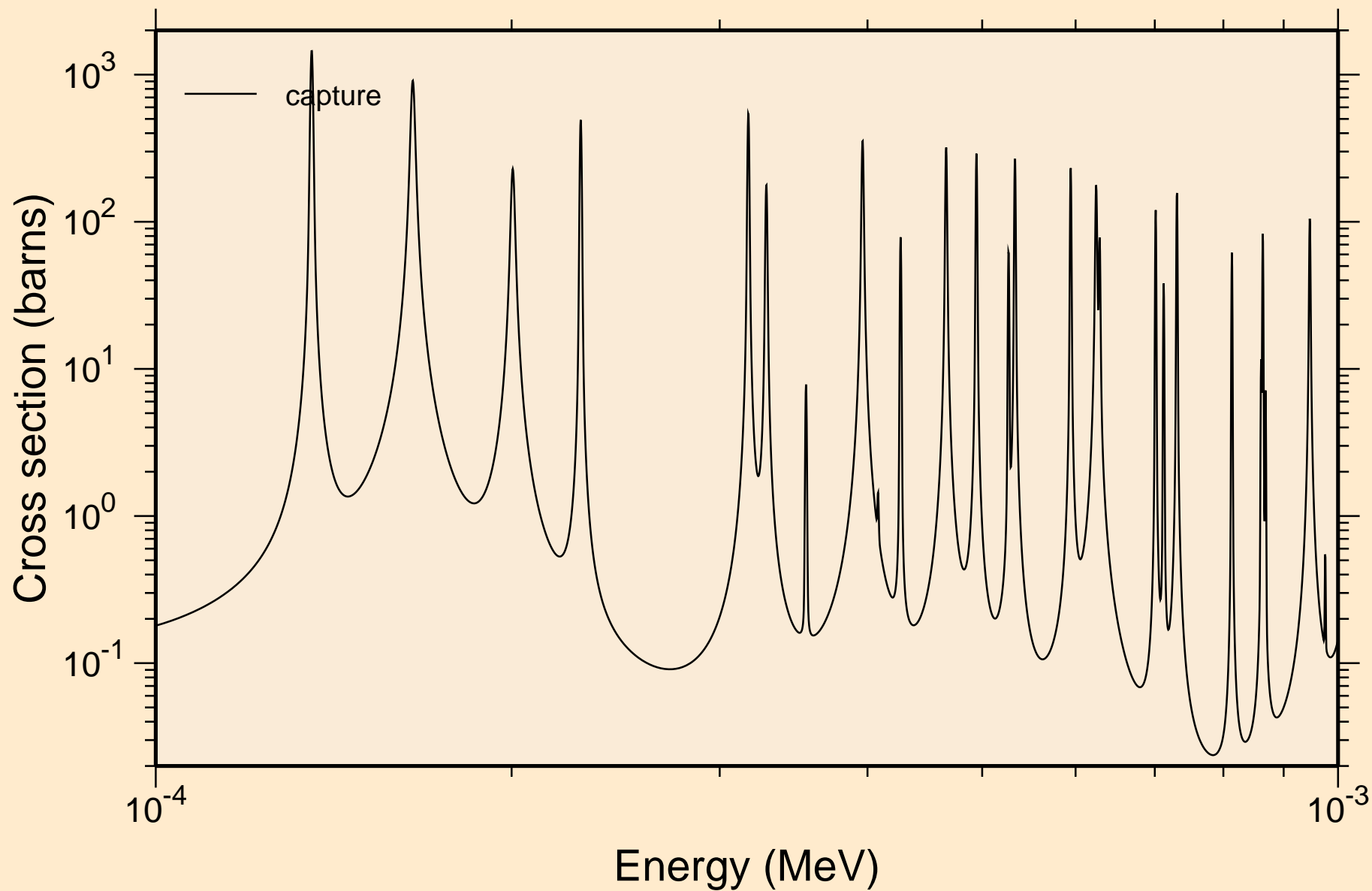
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



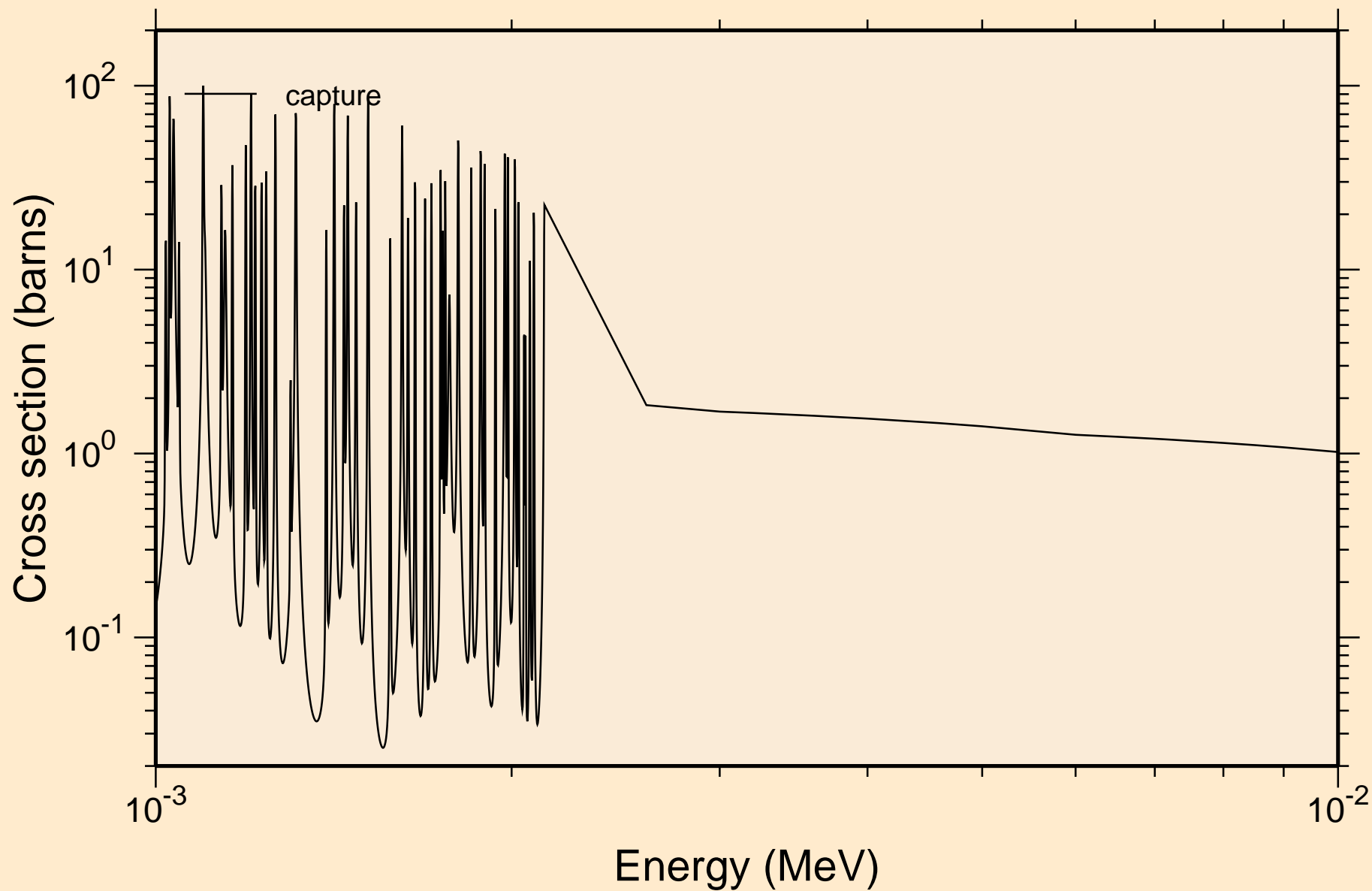
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

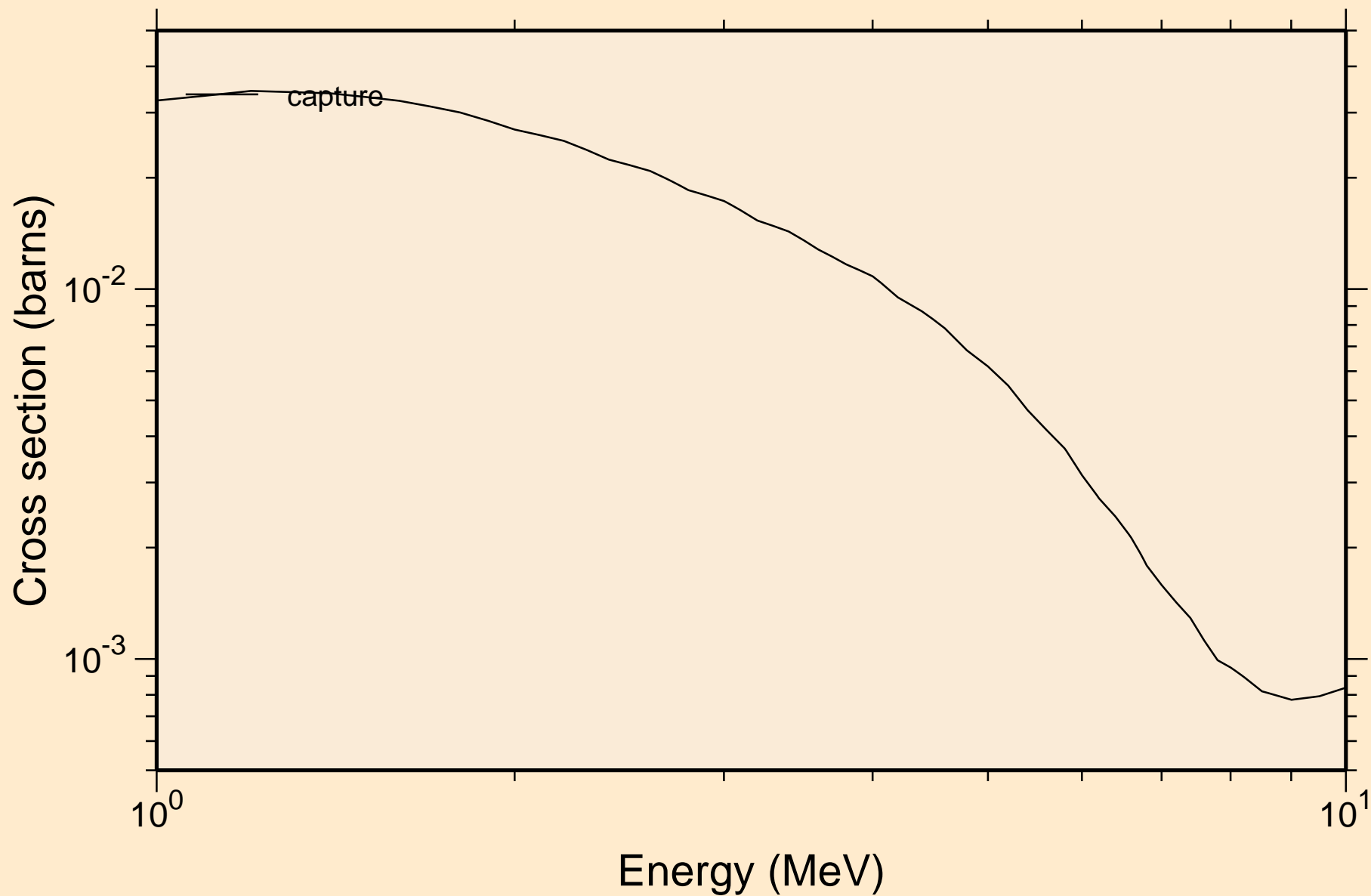


AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

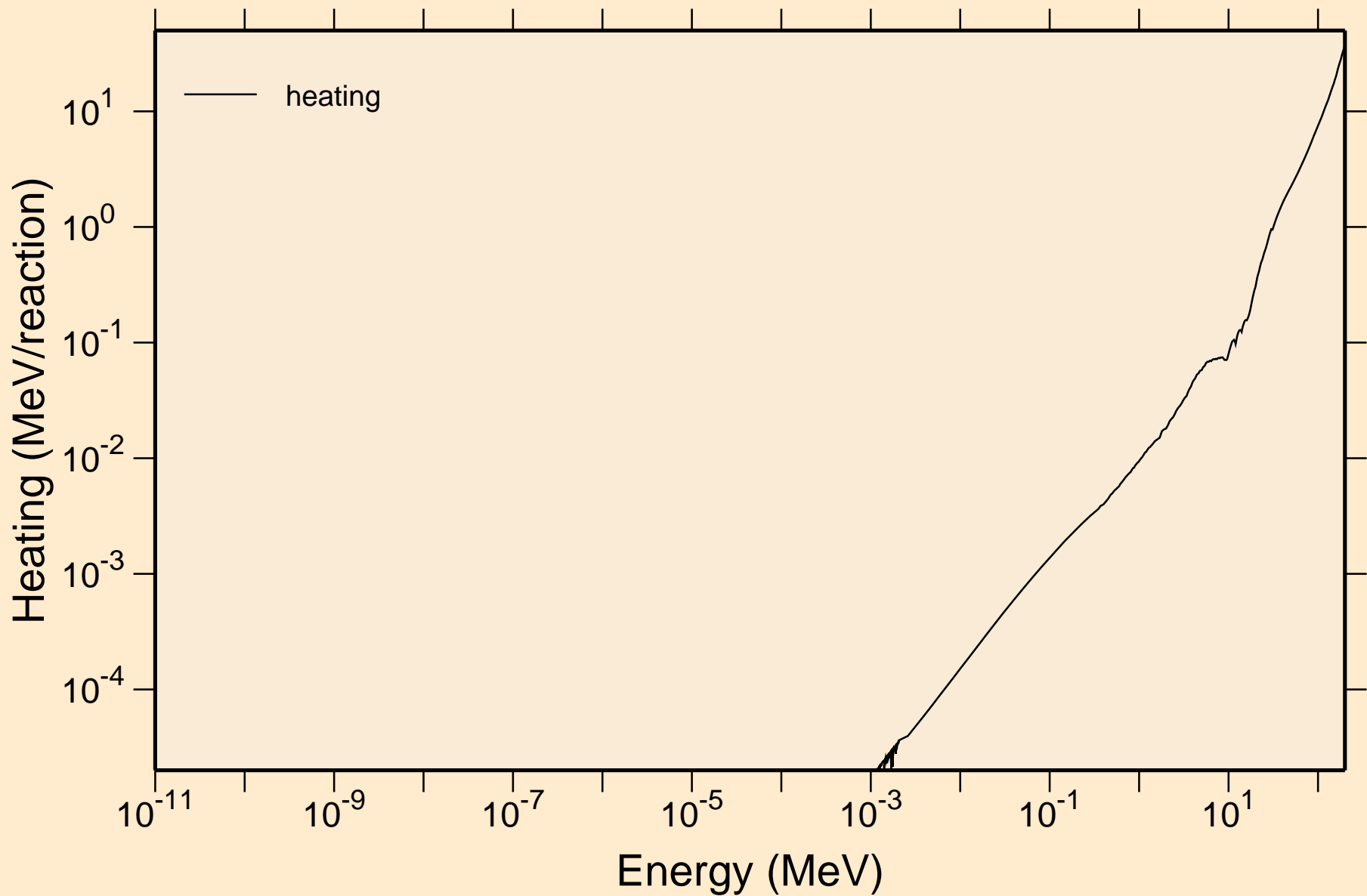




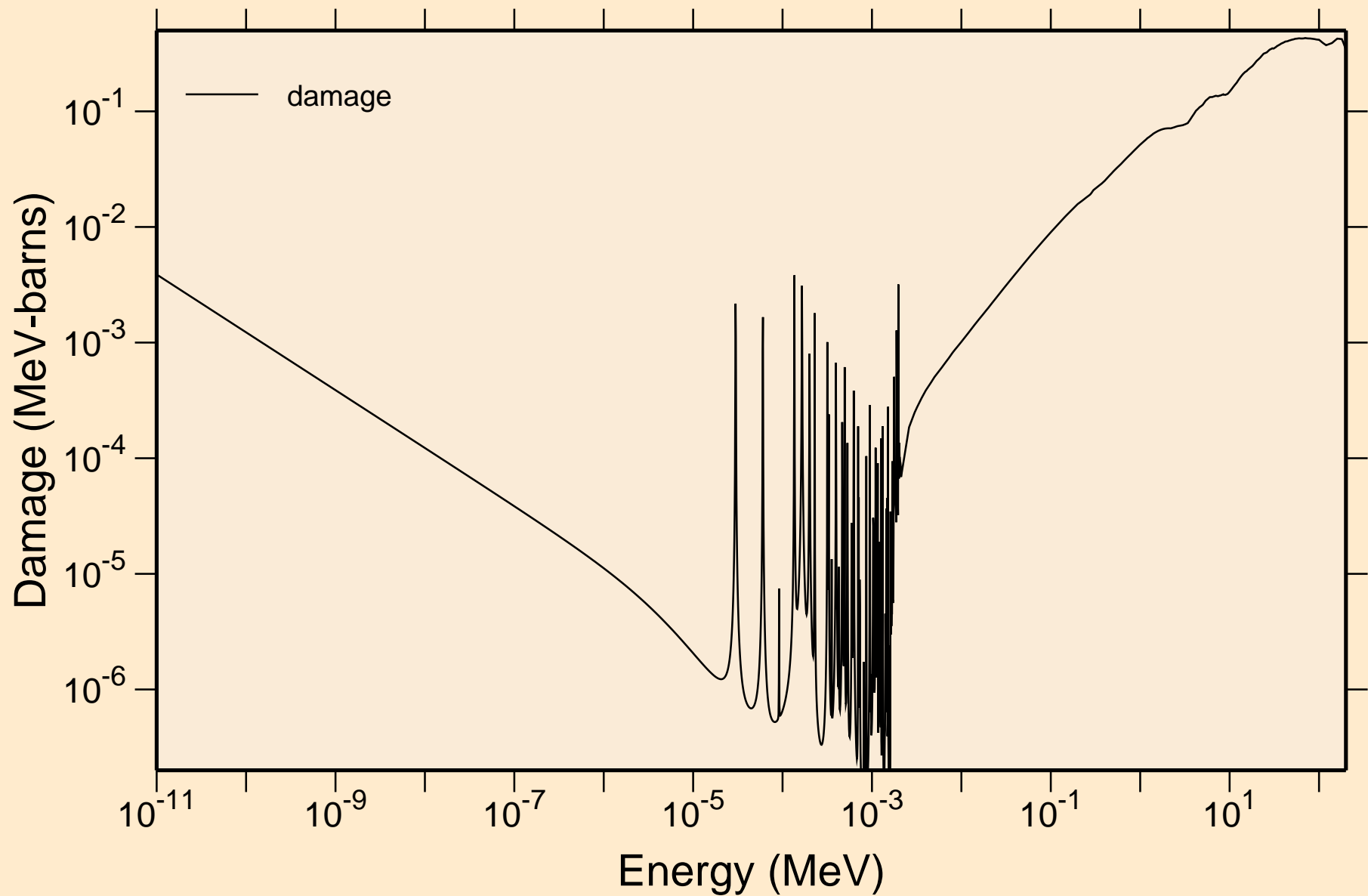
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resonance absorption cross sections



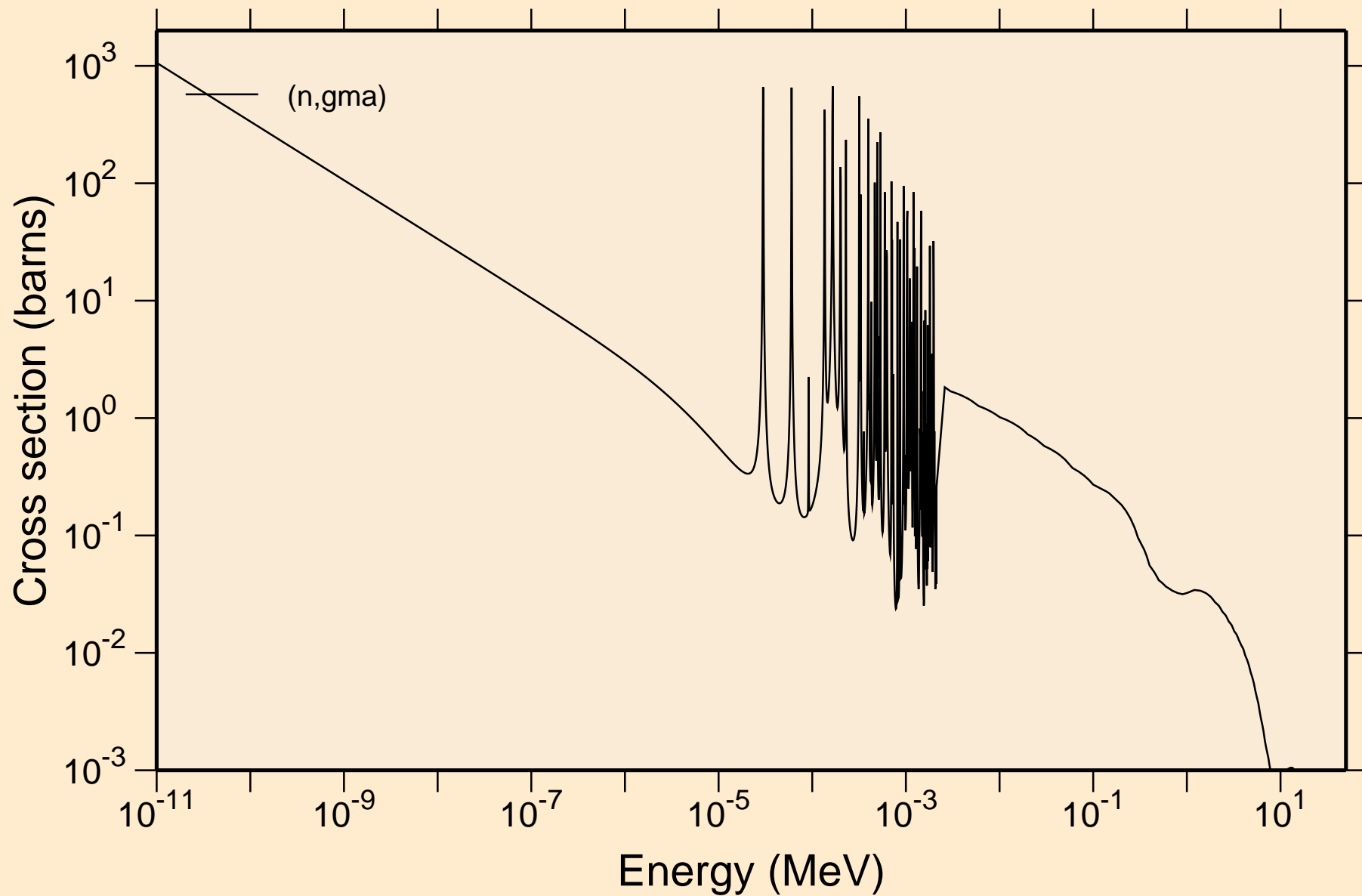
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage

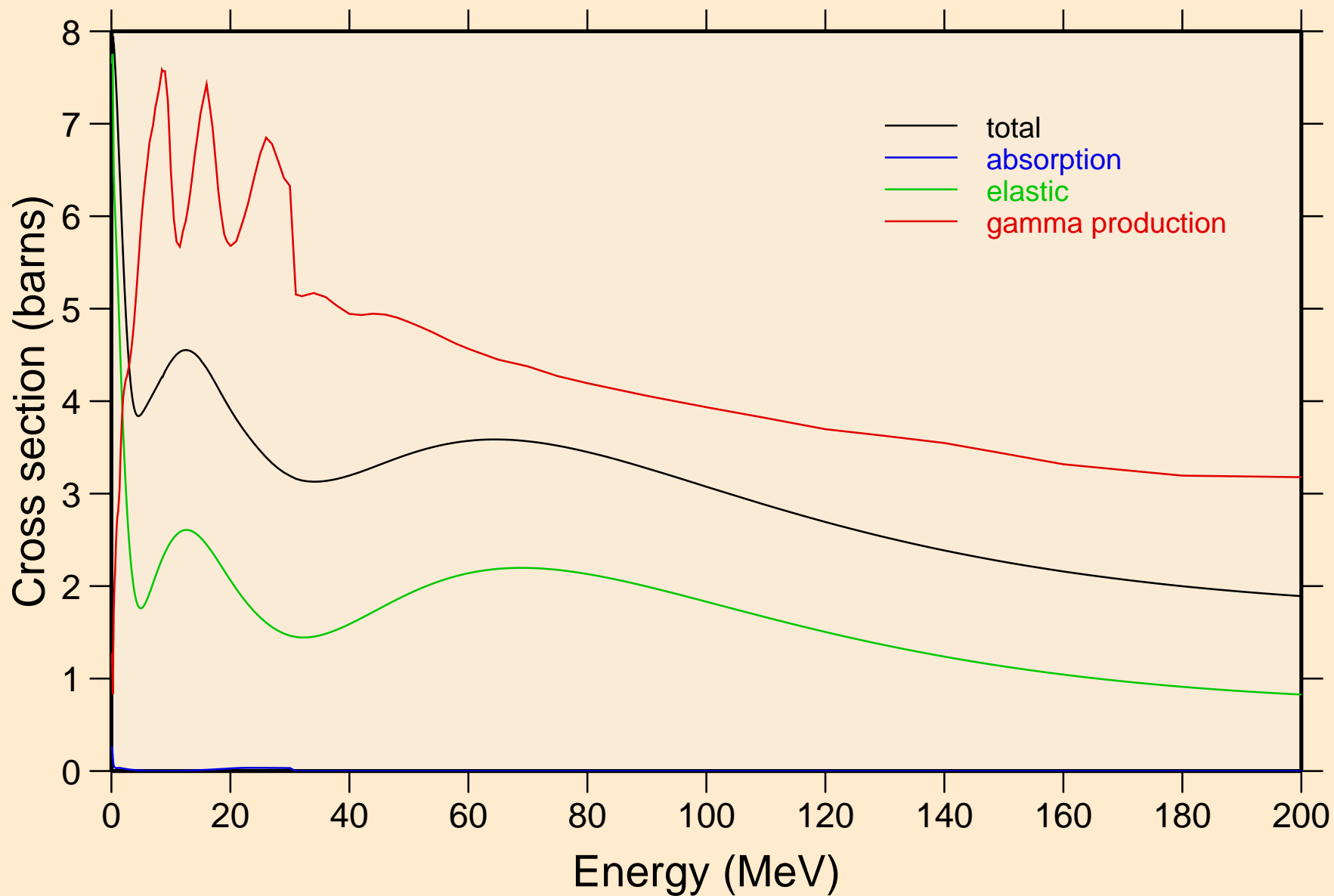


AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

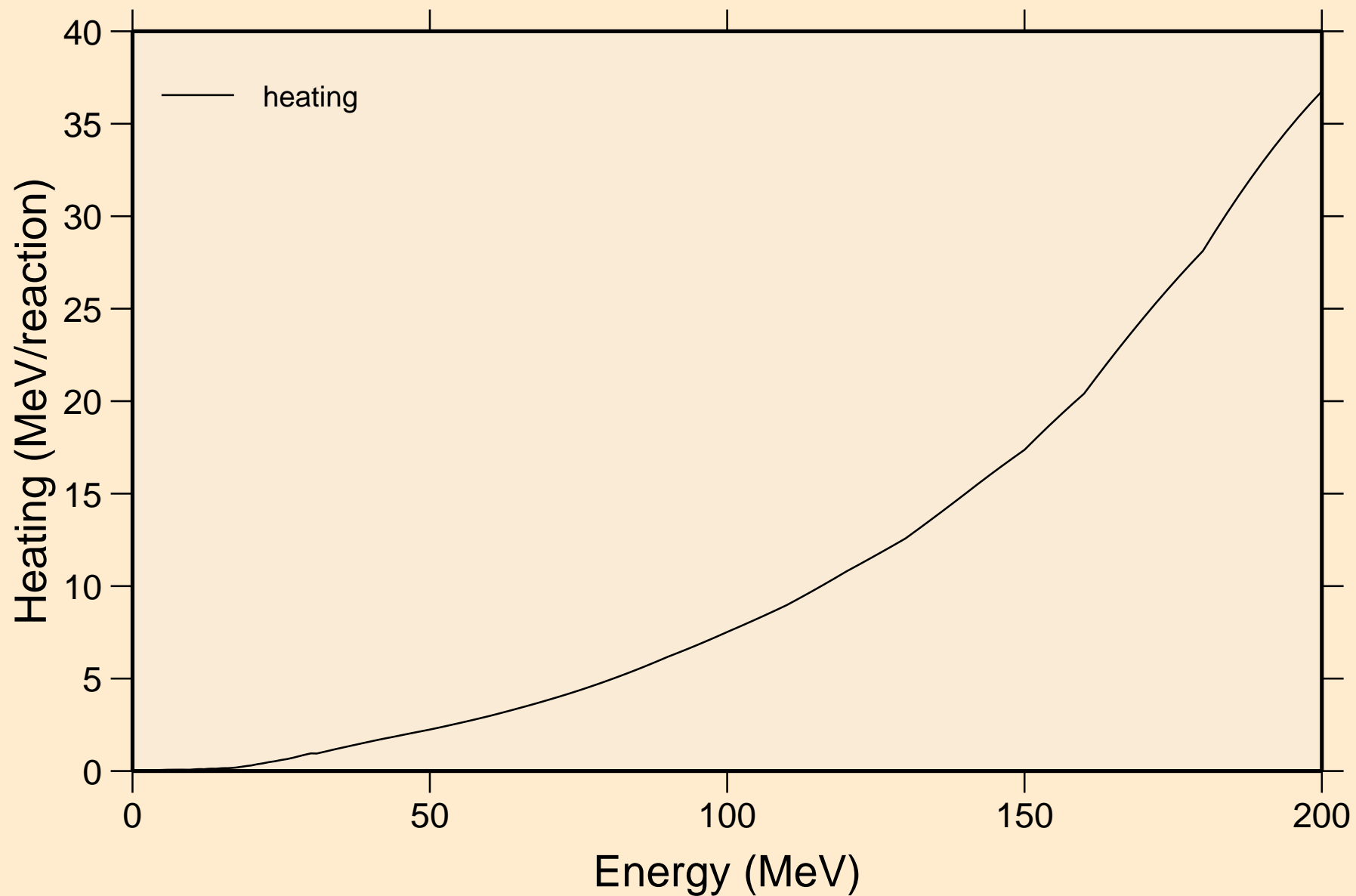


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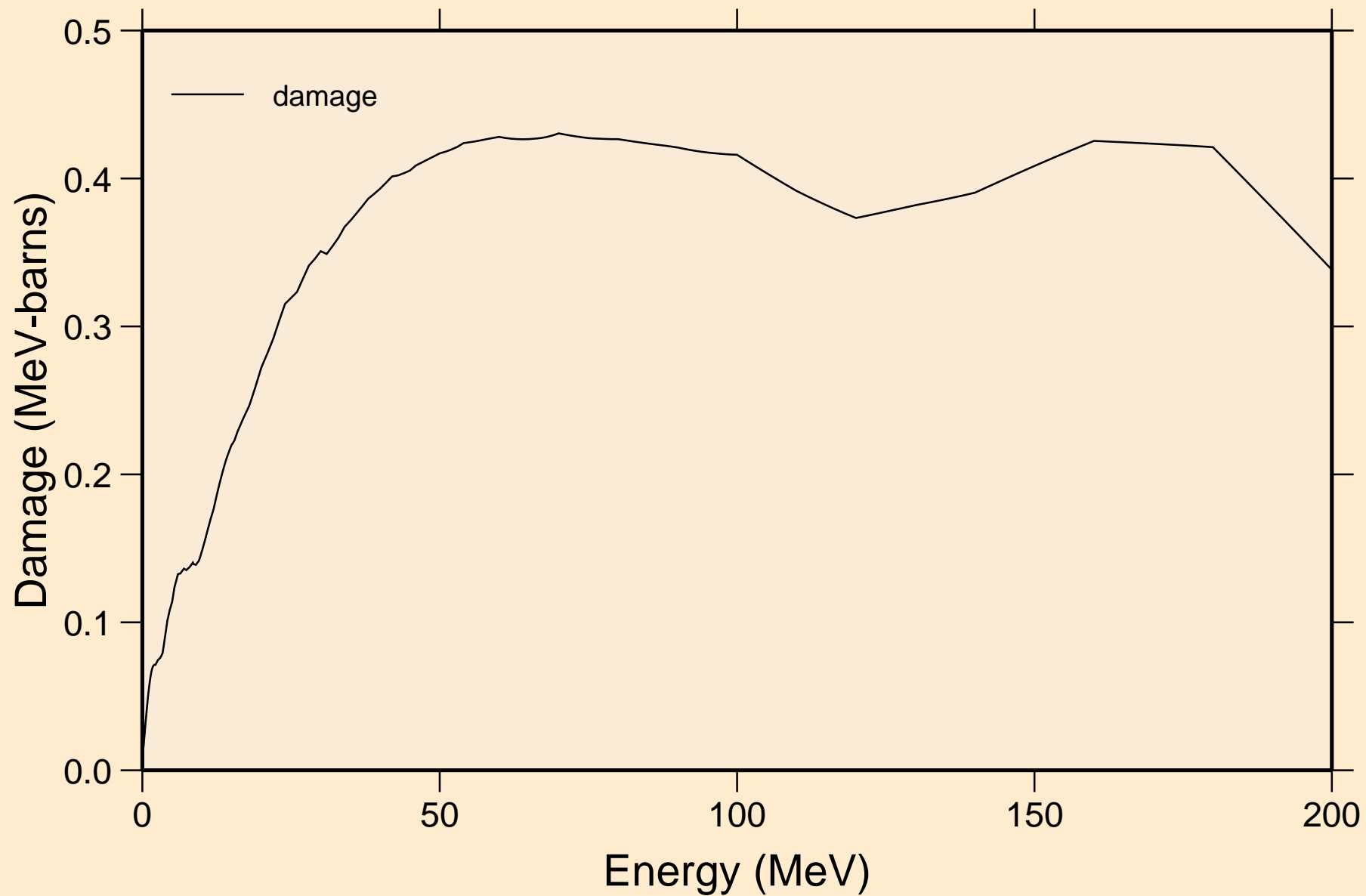
## Principal cross sections



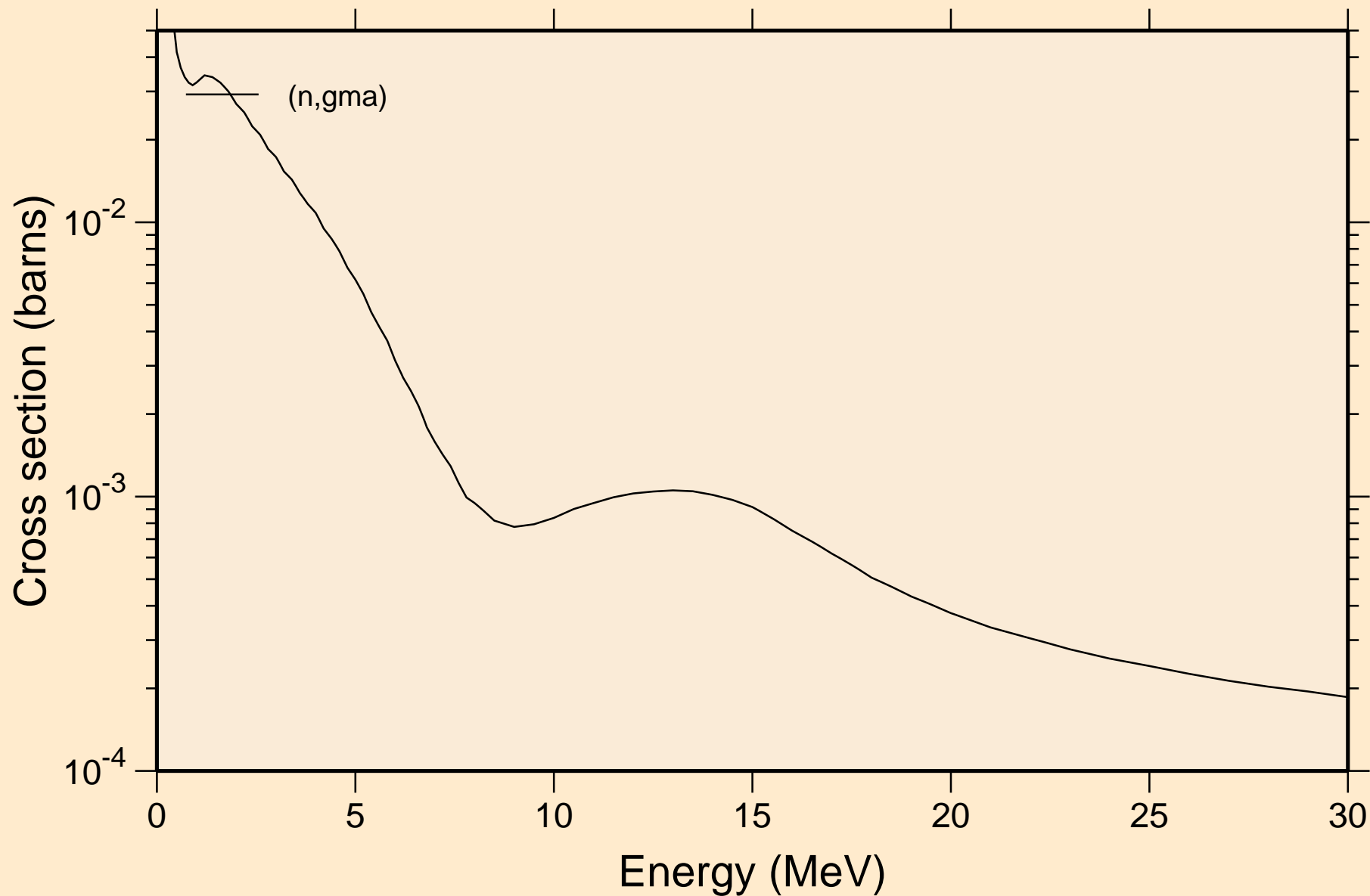
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage

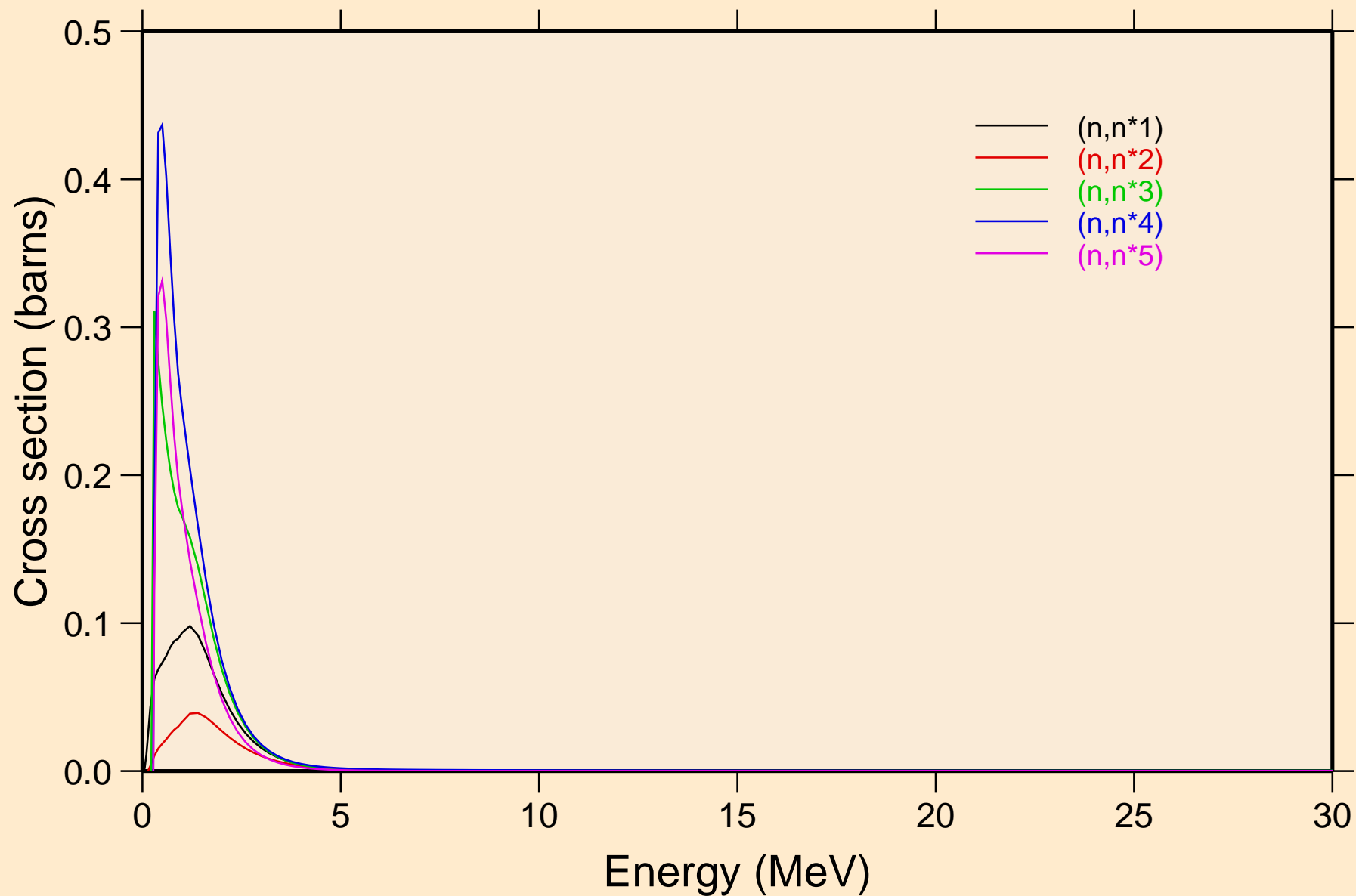


AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

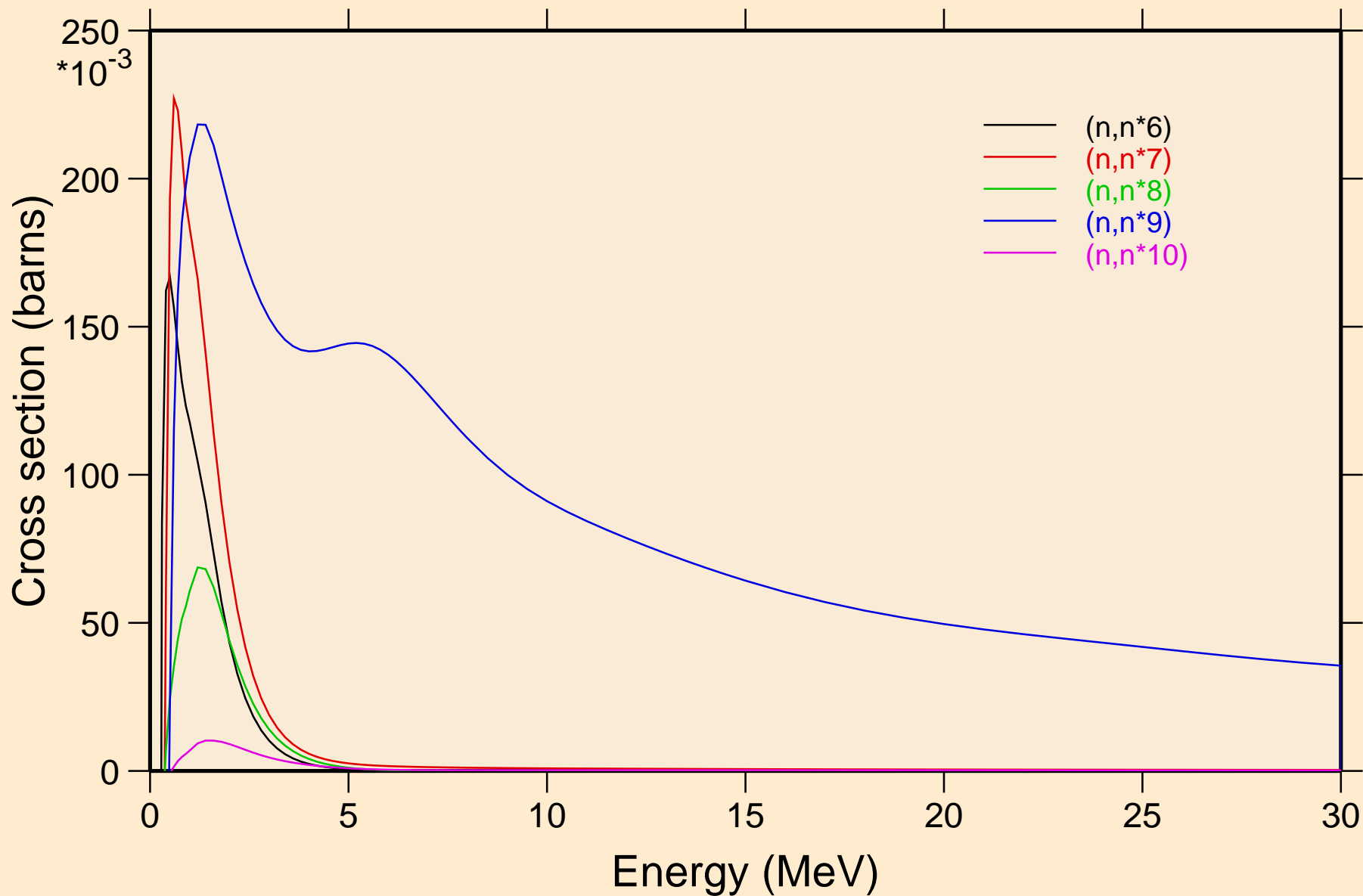




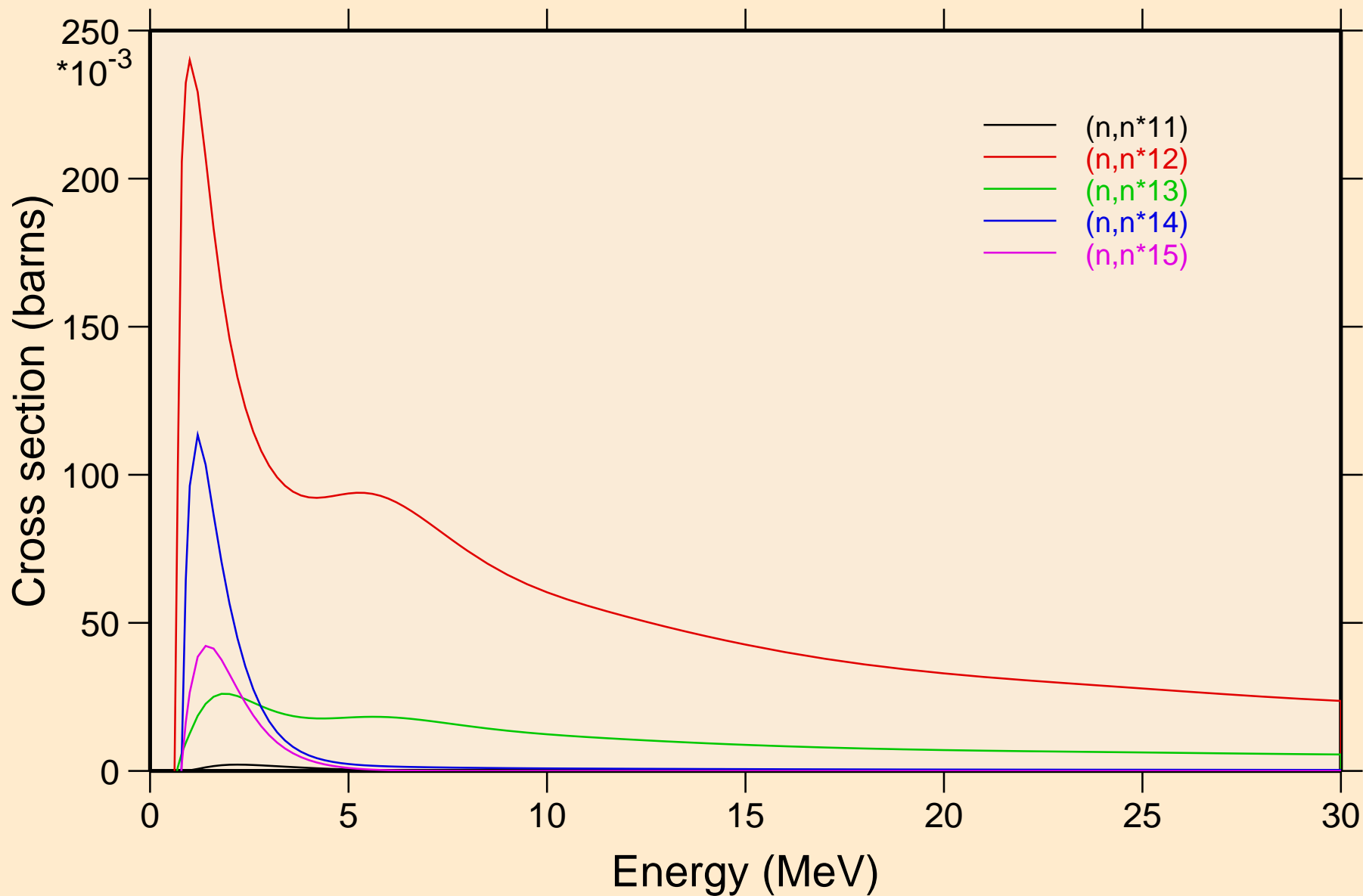
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



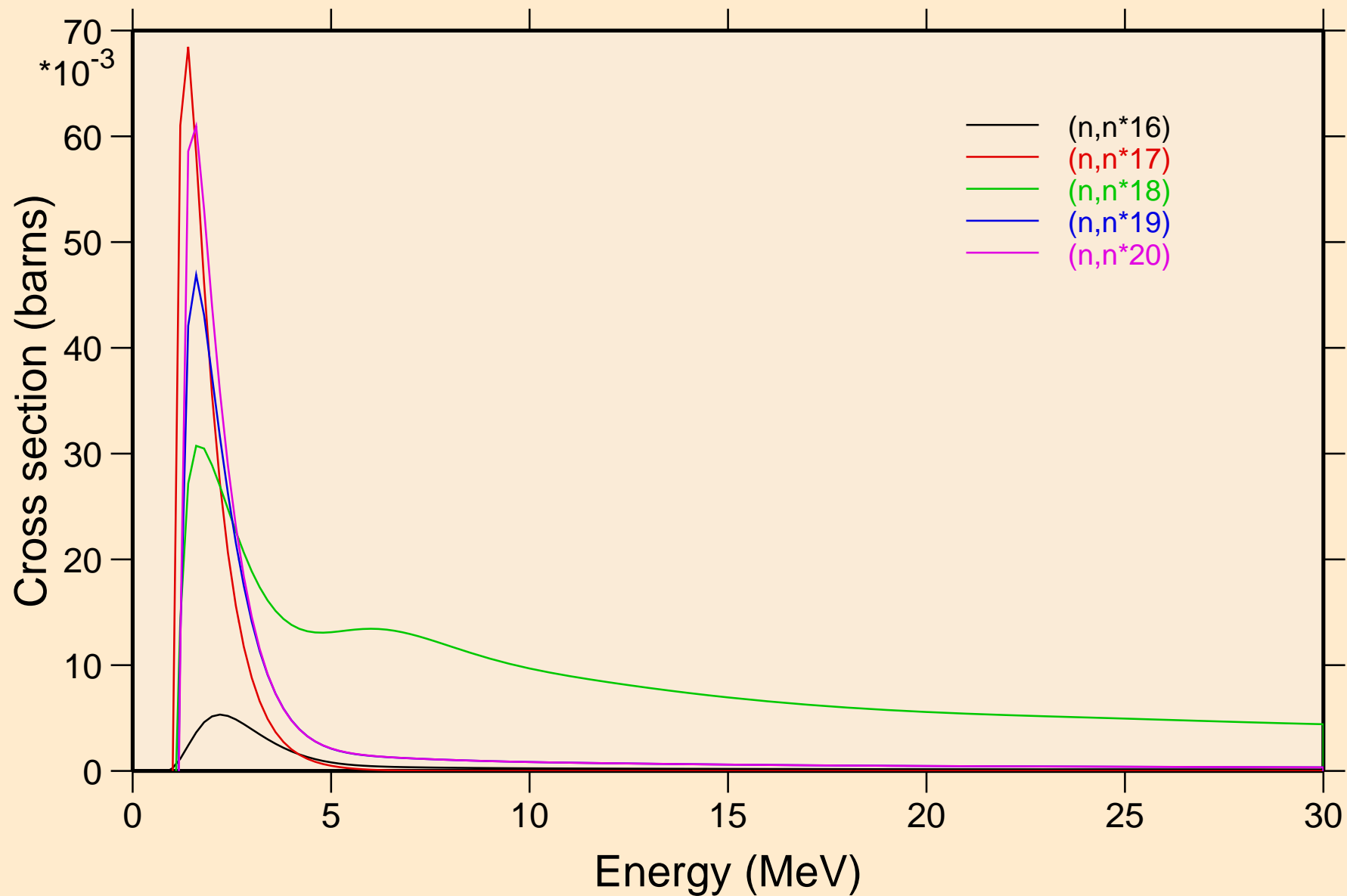
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



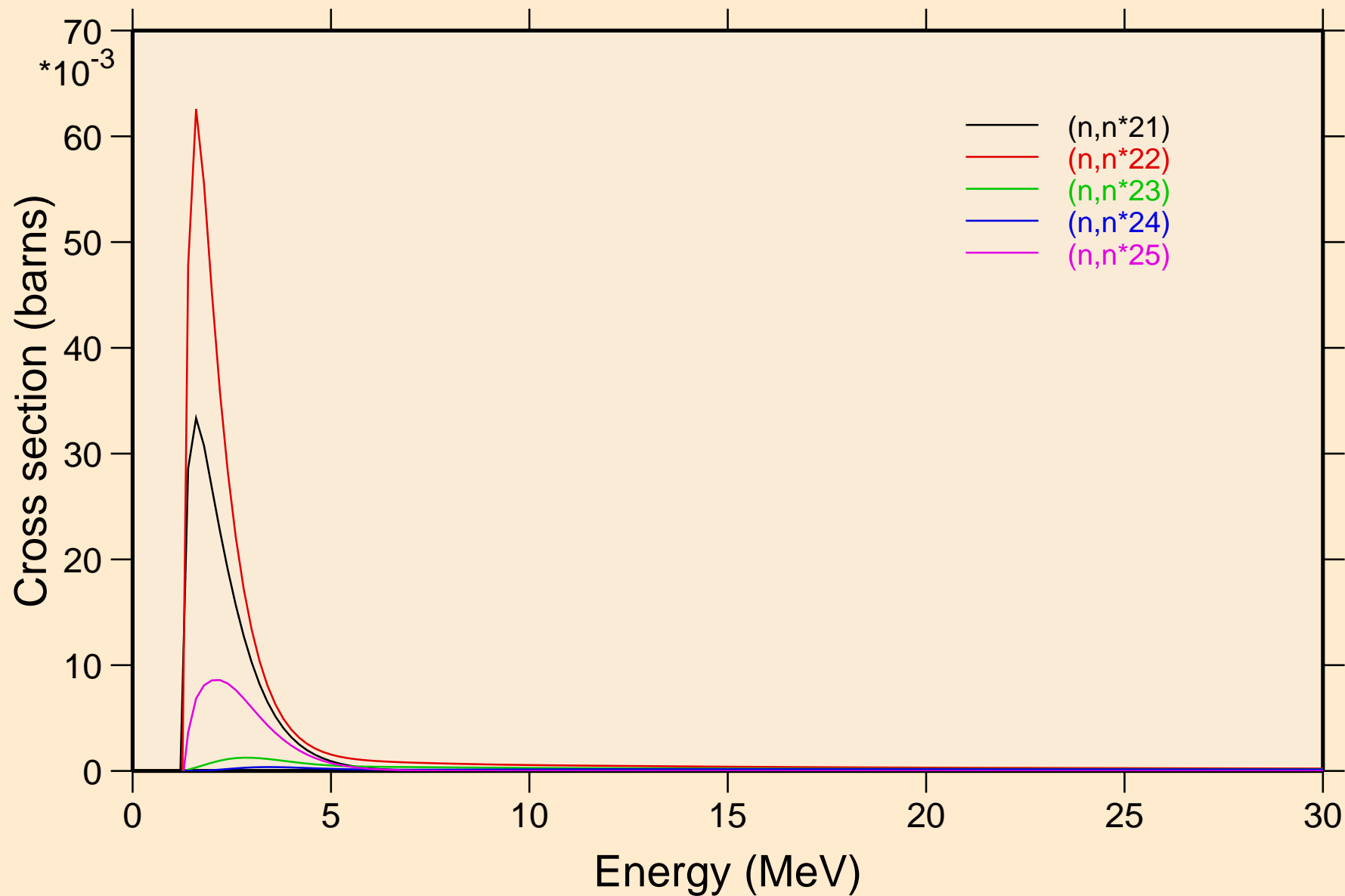
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



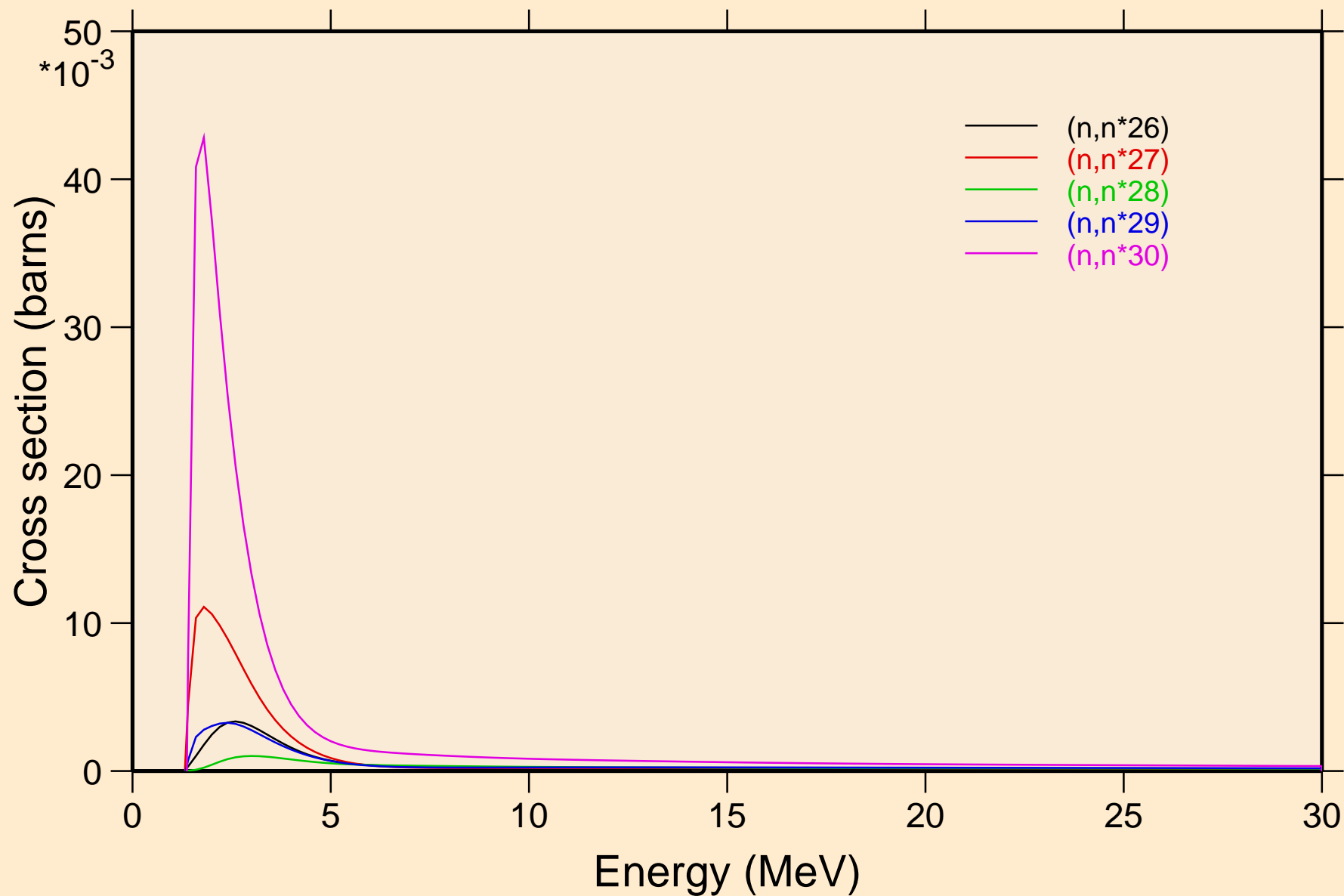
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

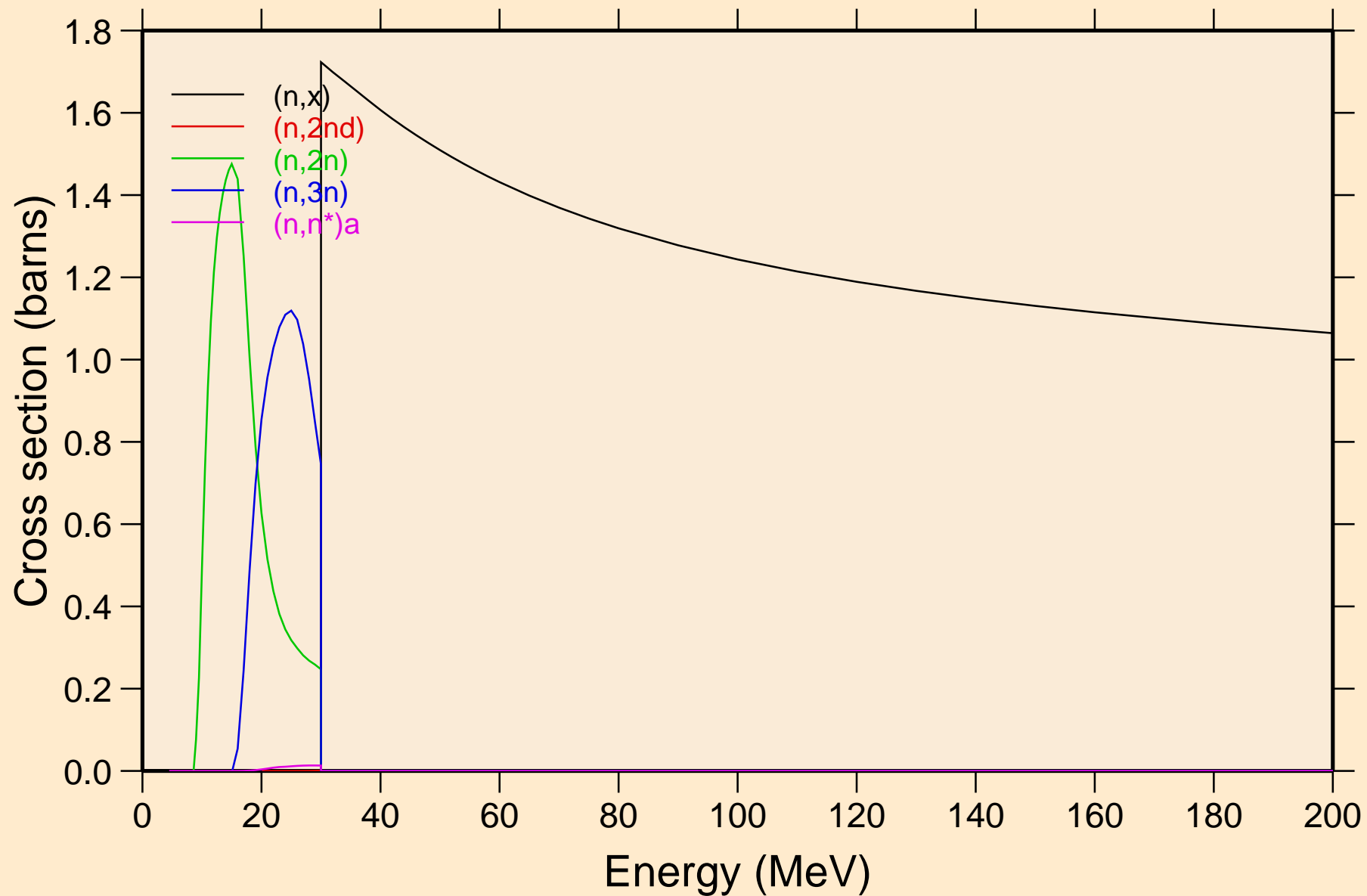


AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

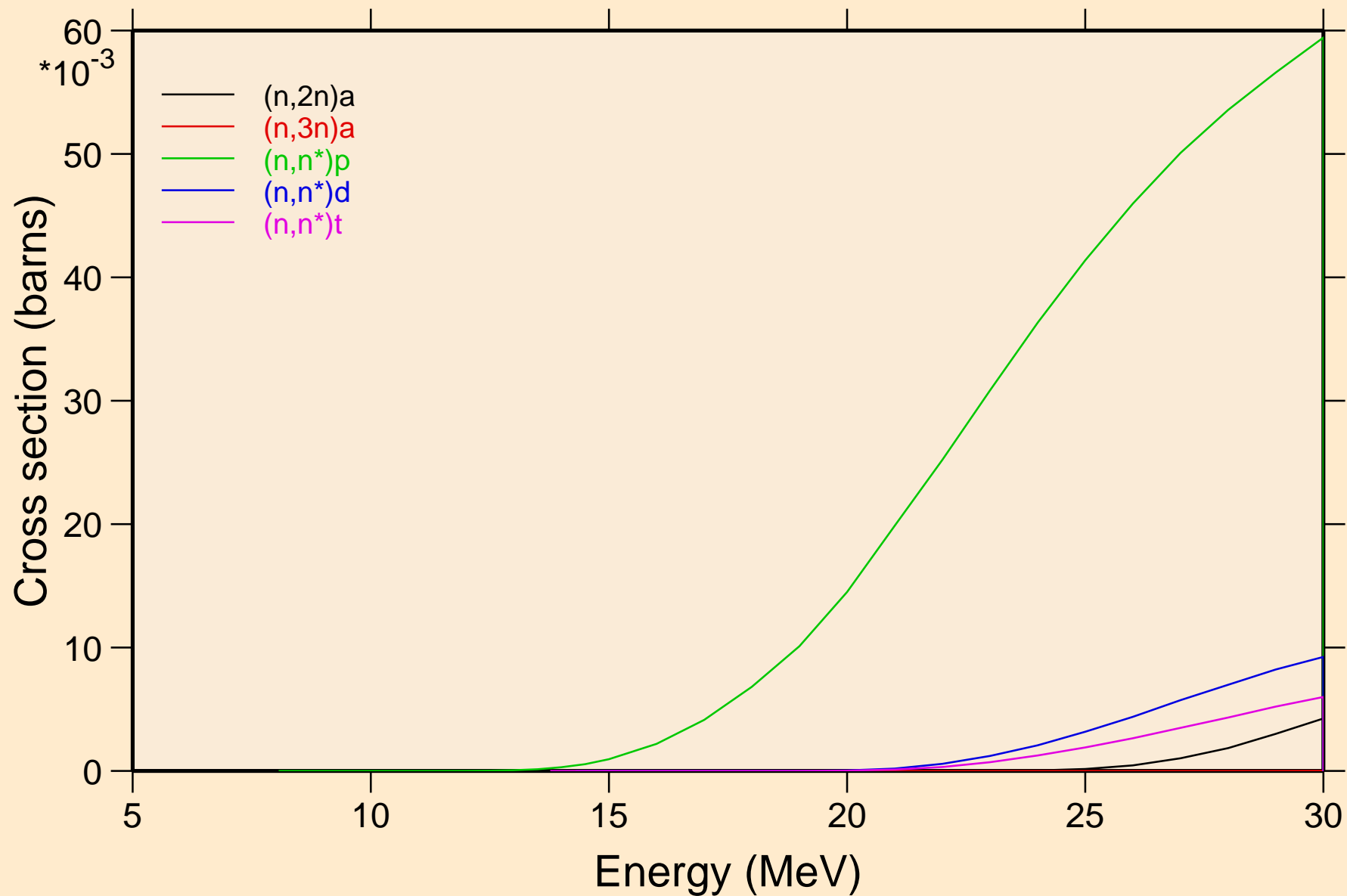


# AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Threshold reactions

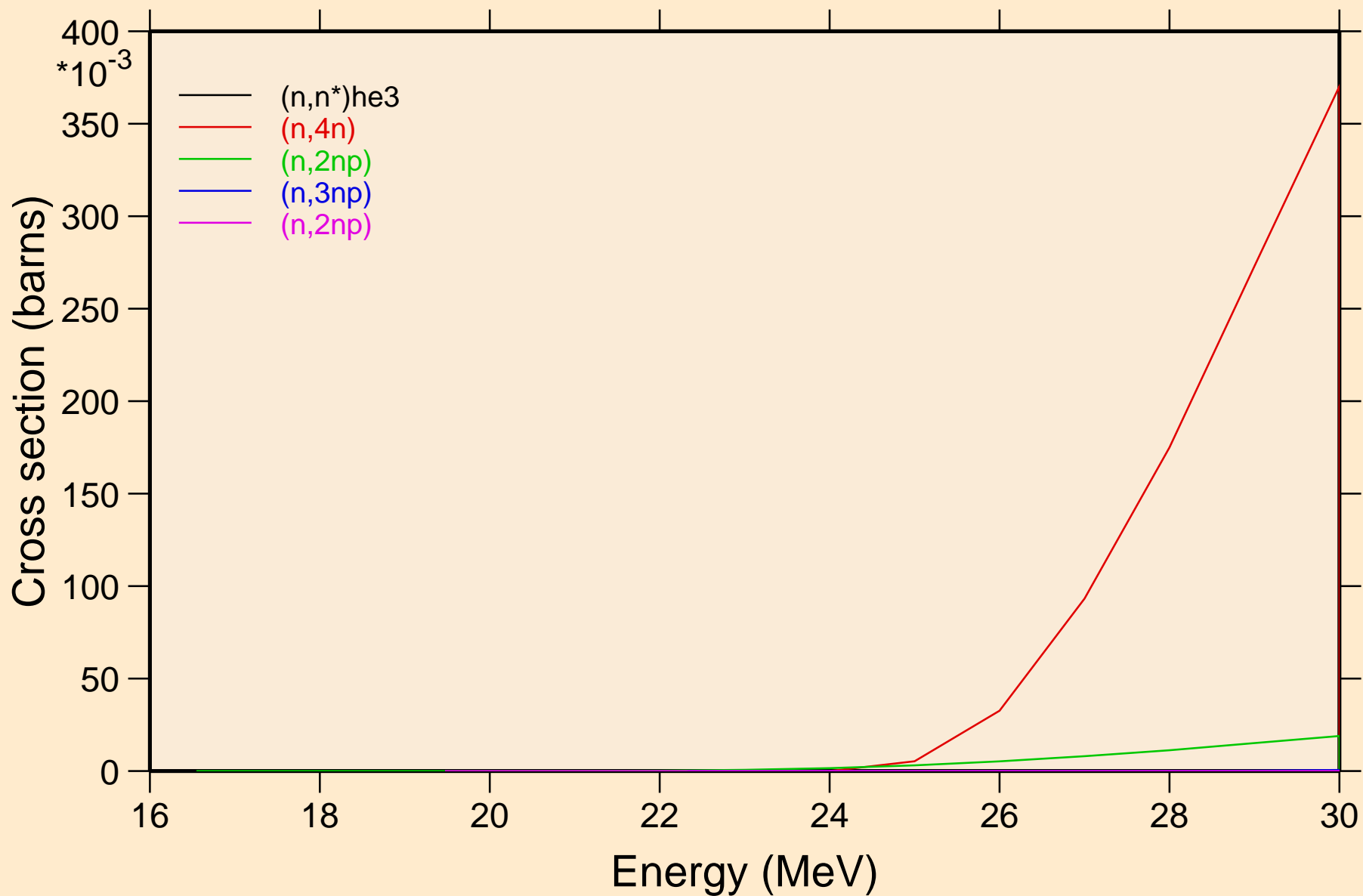


AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

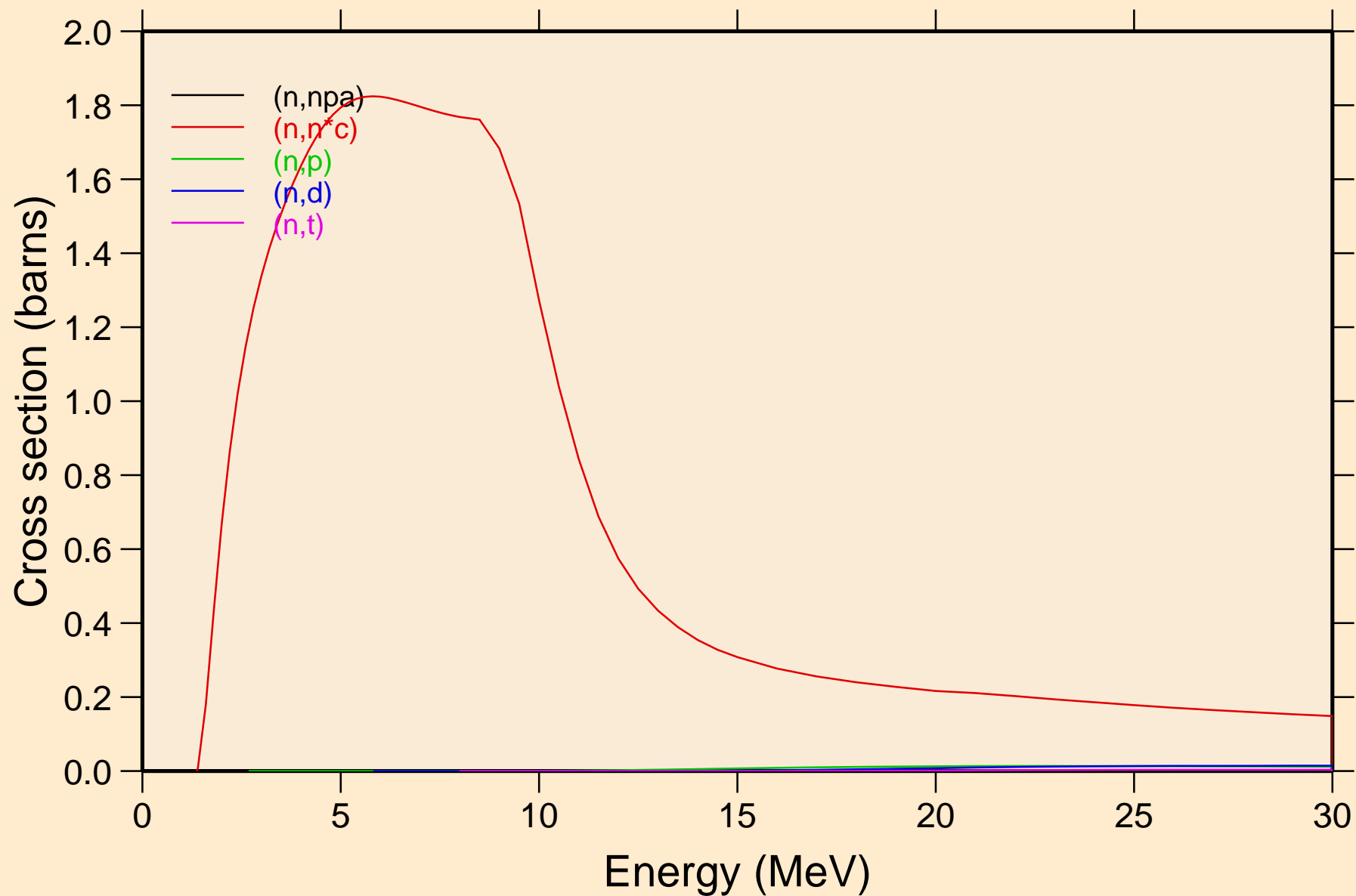




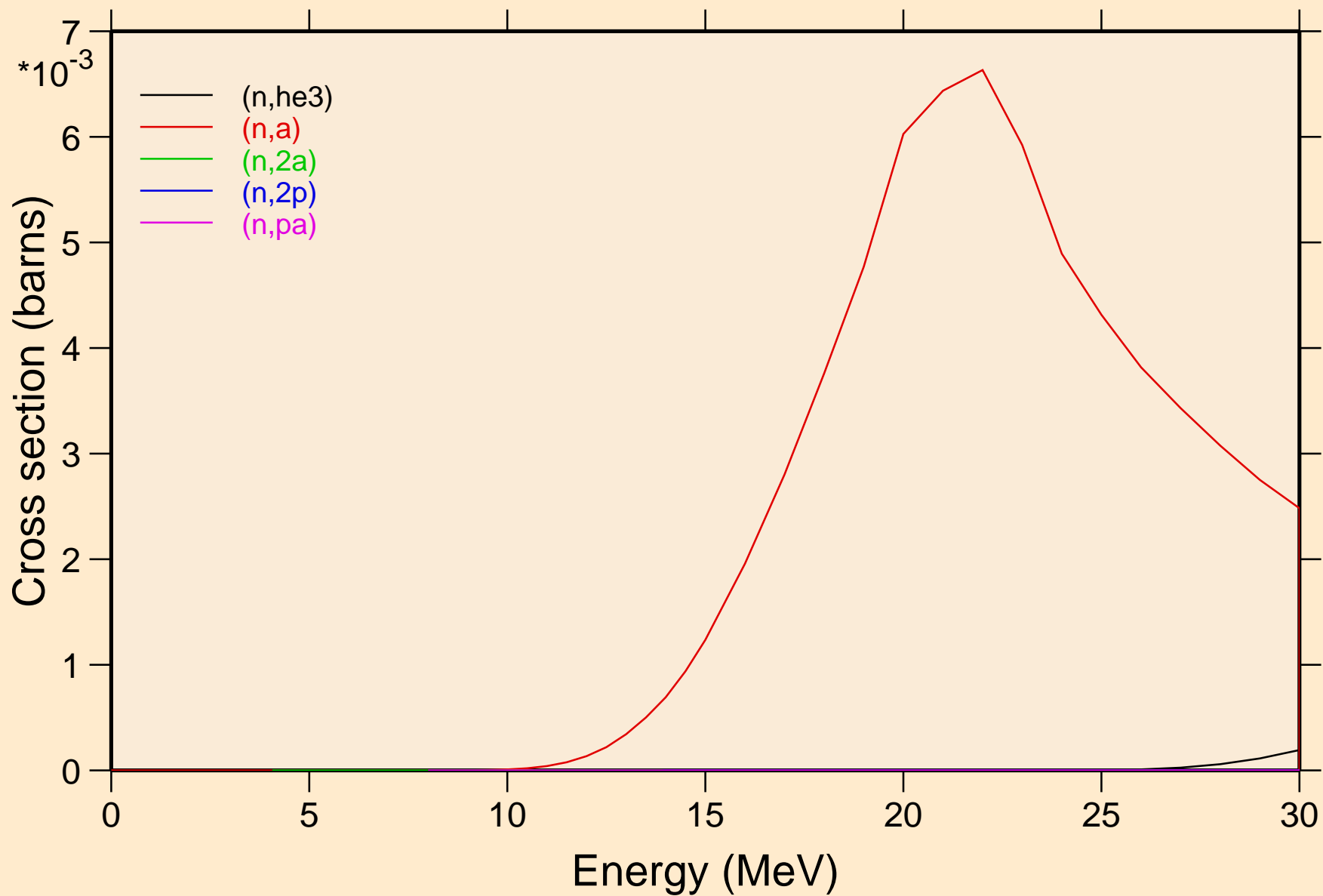
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

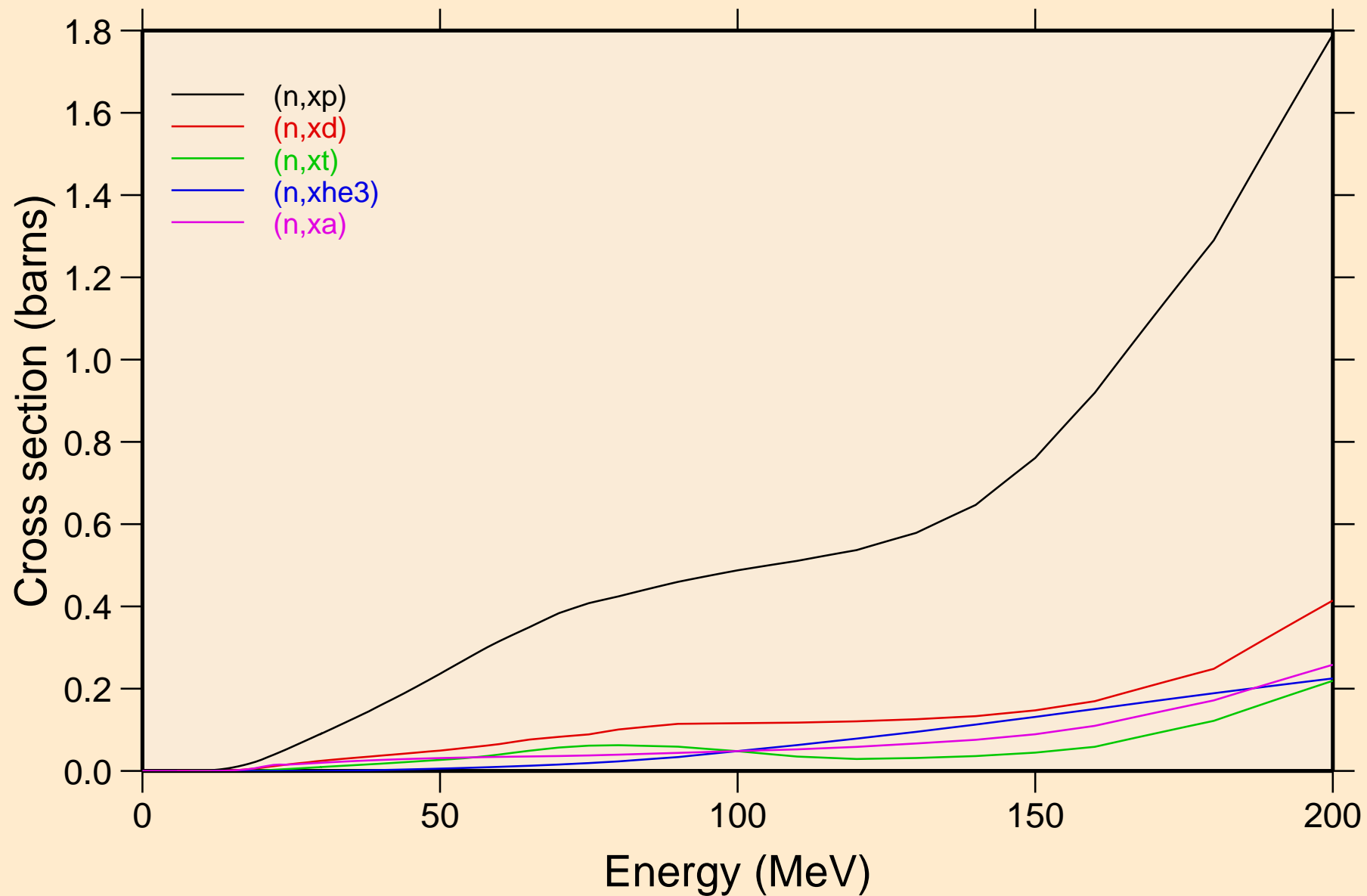


AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

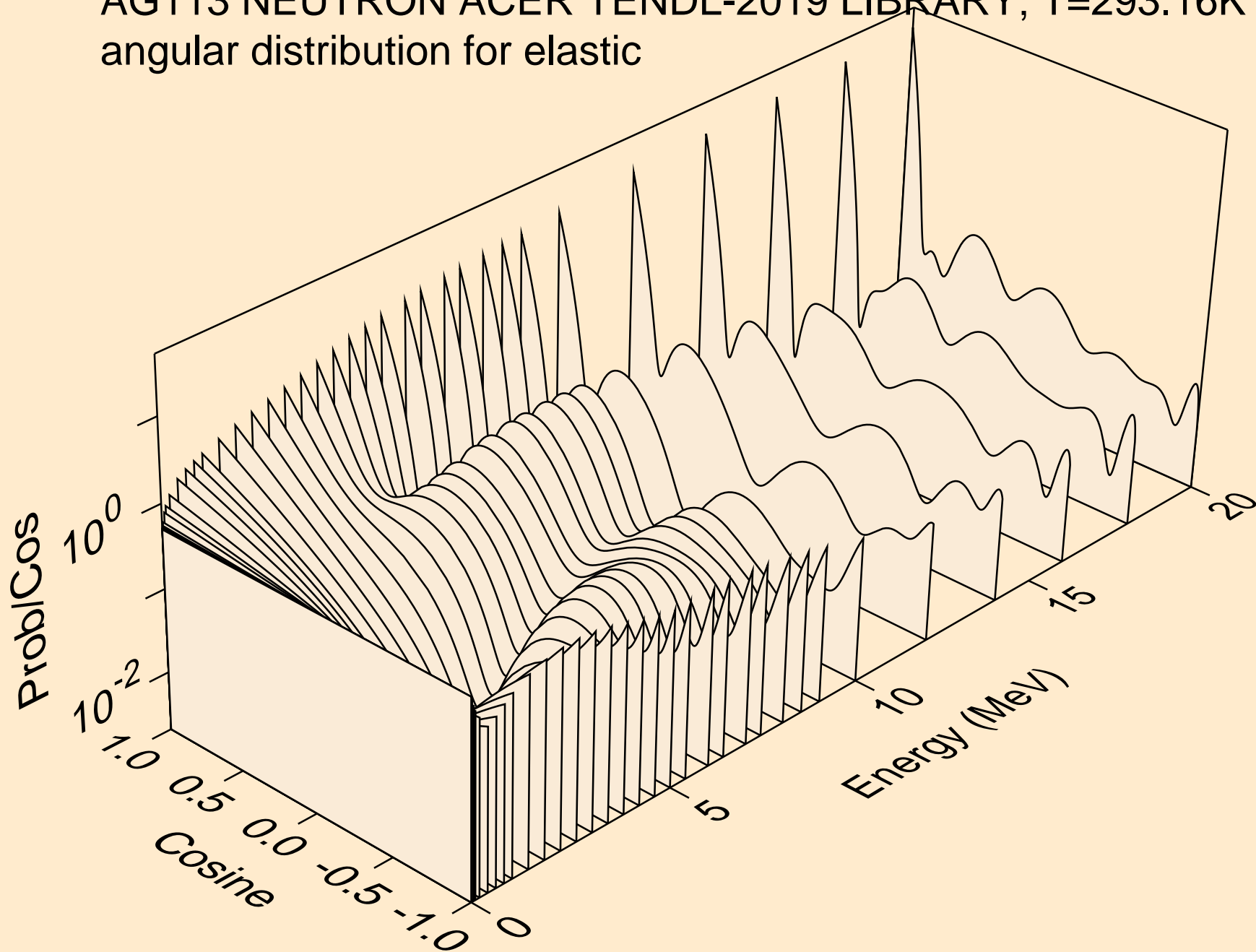


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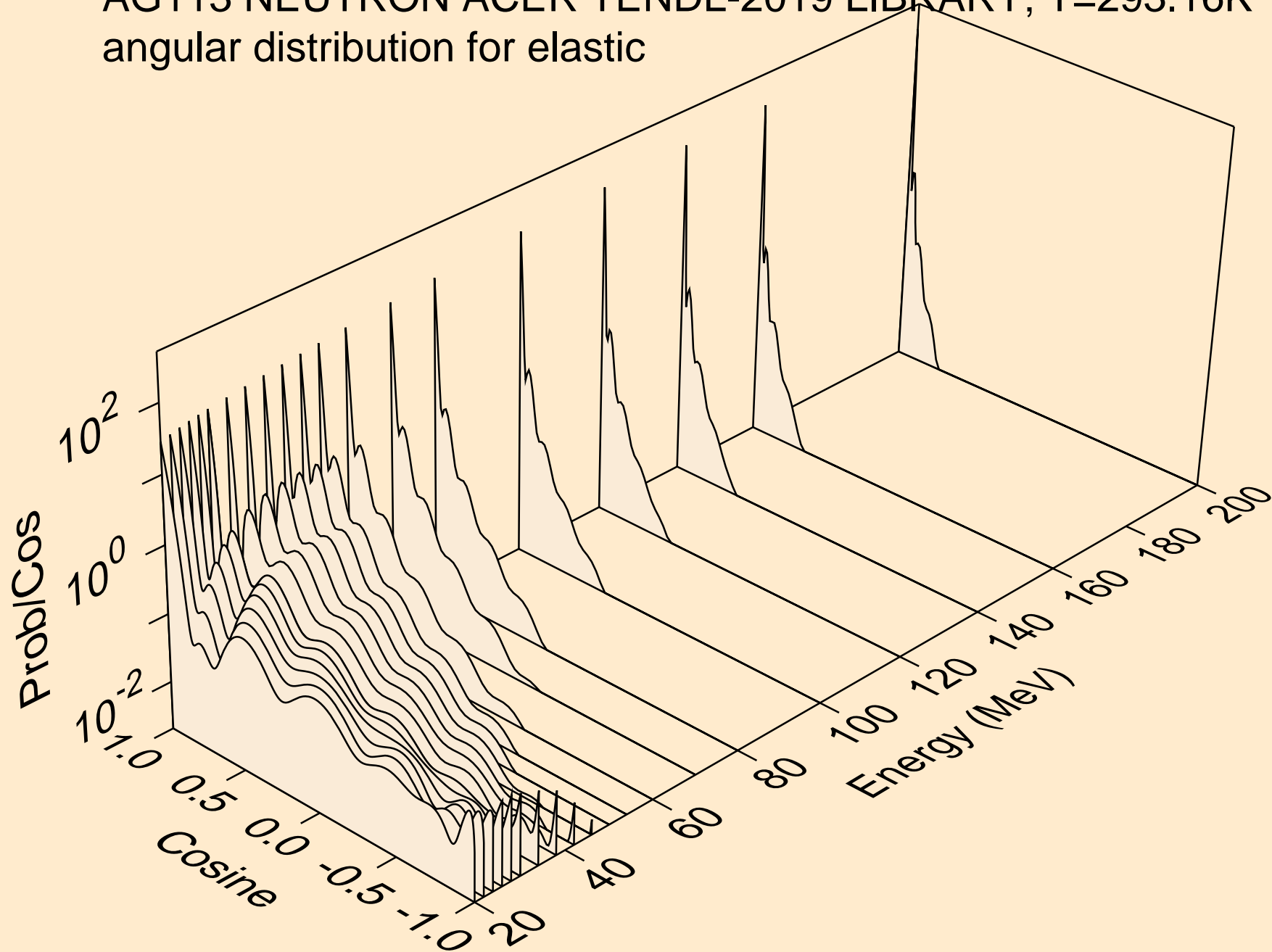
## Threshold reactions



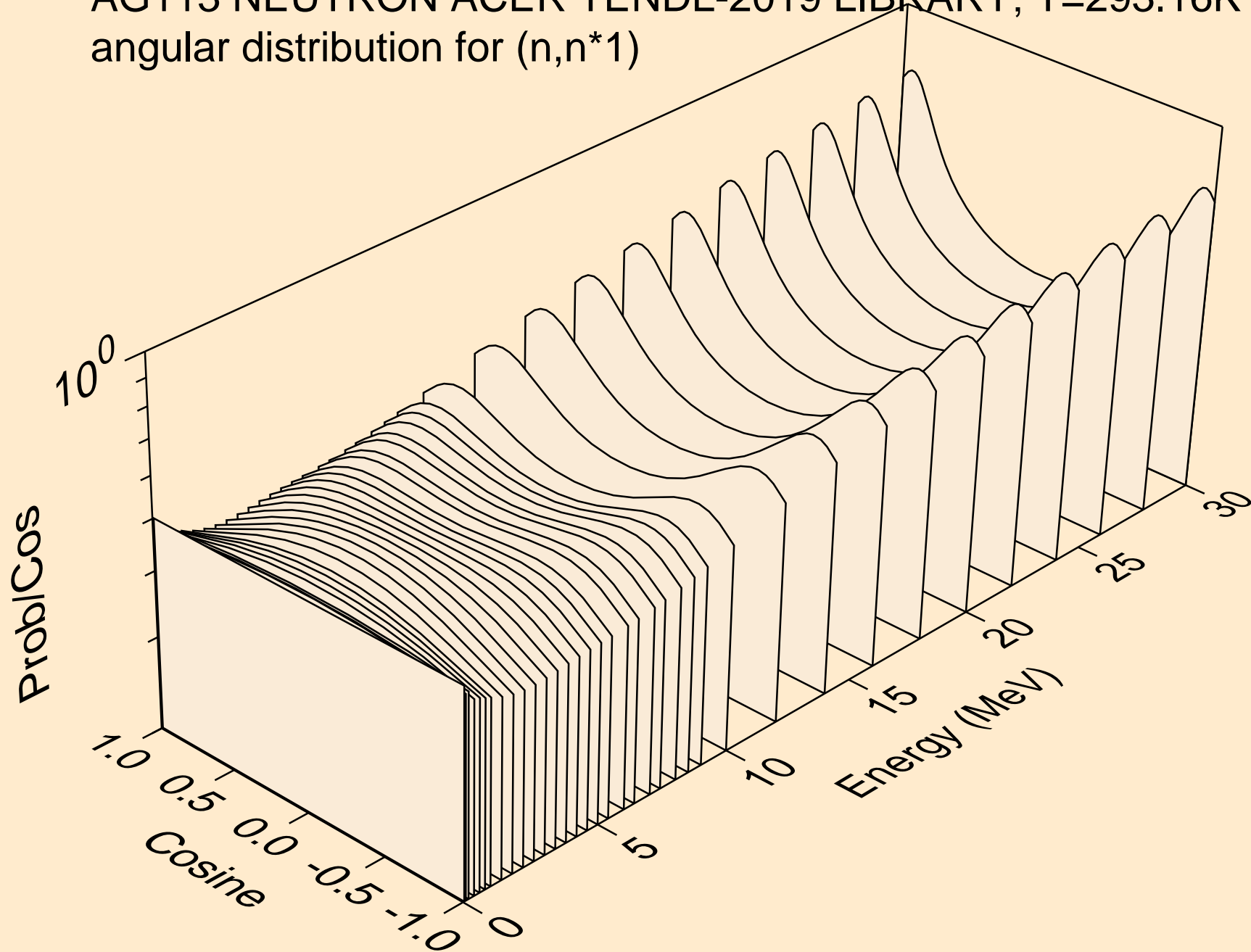
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



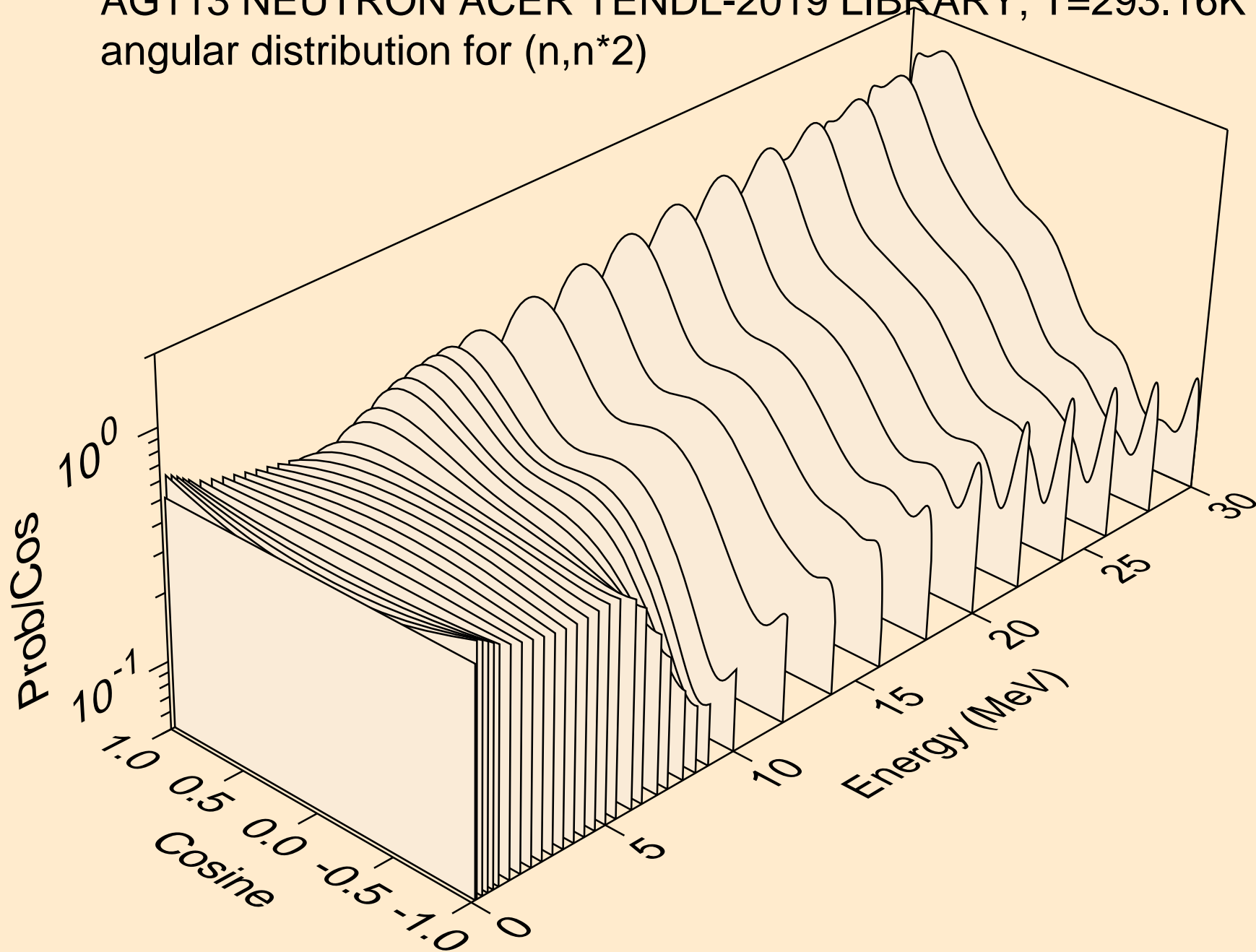
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)

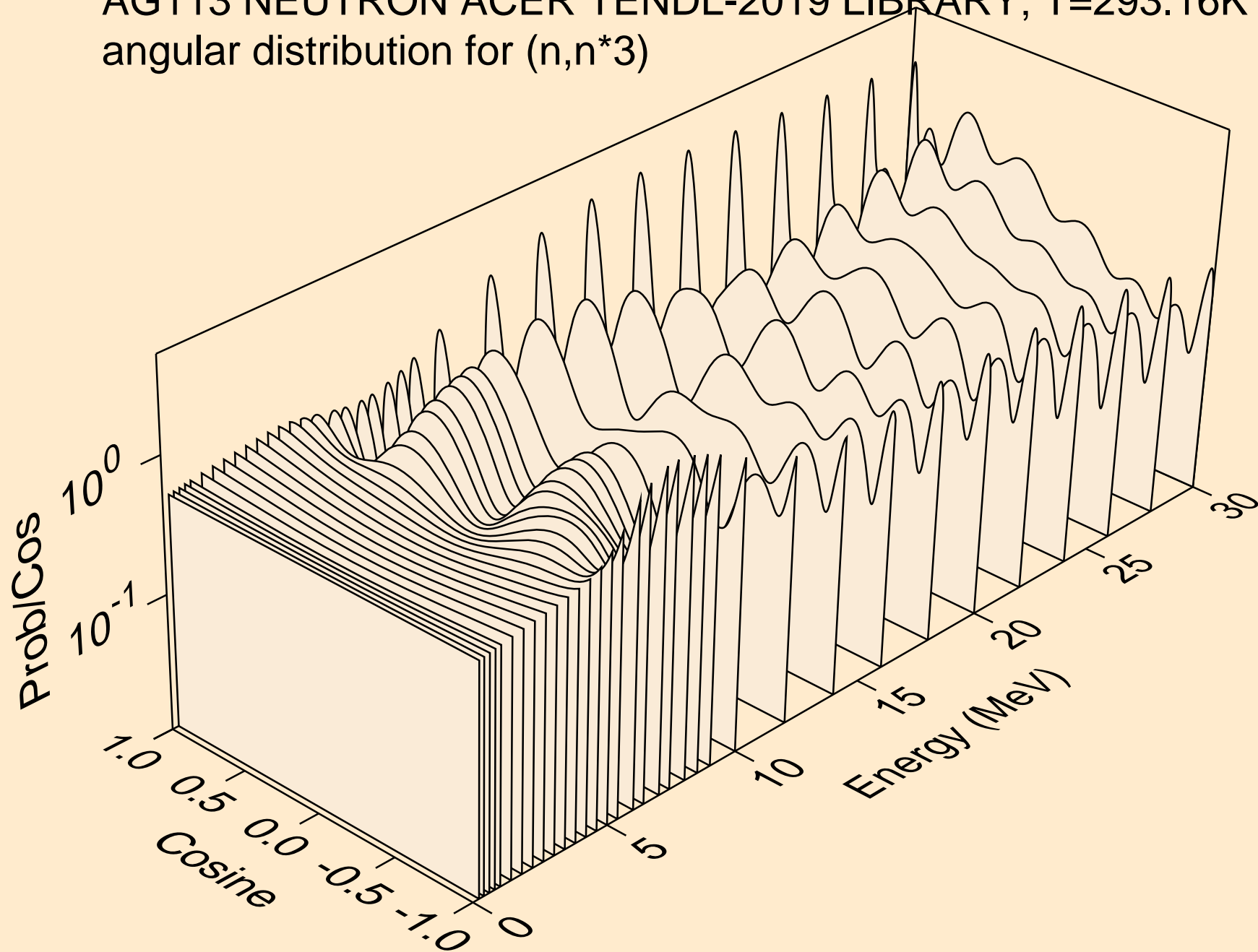


AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)

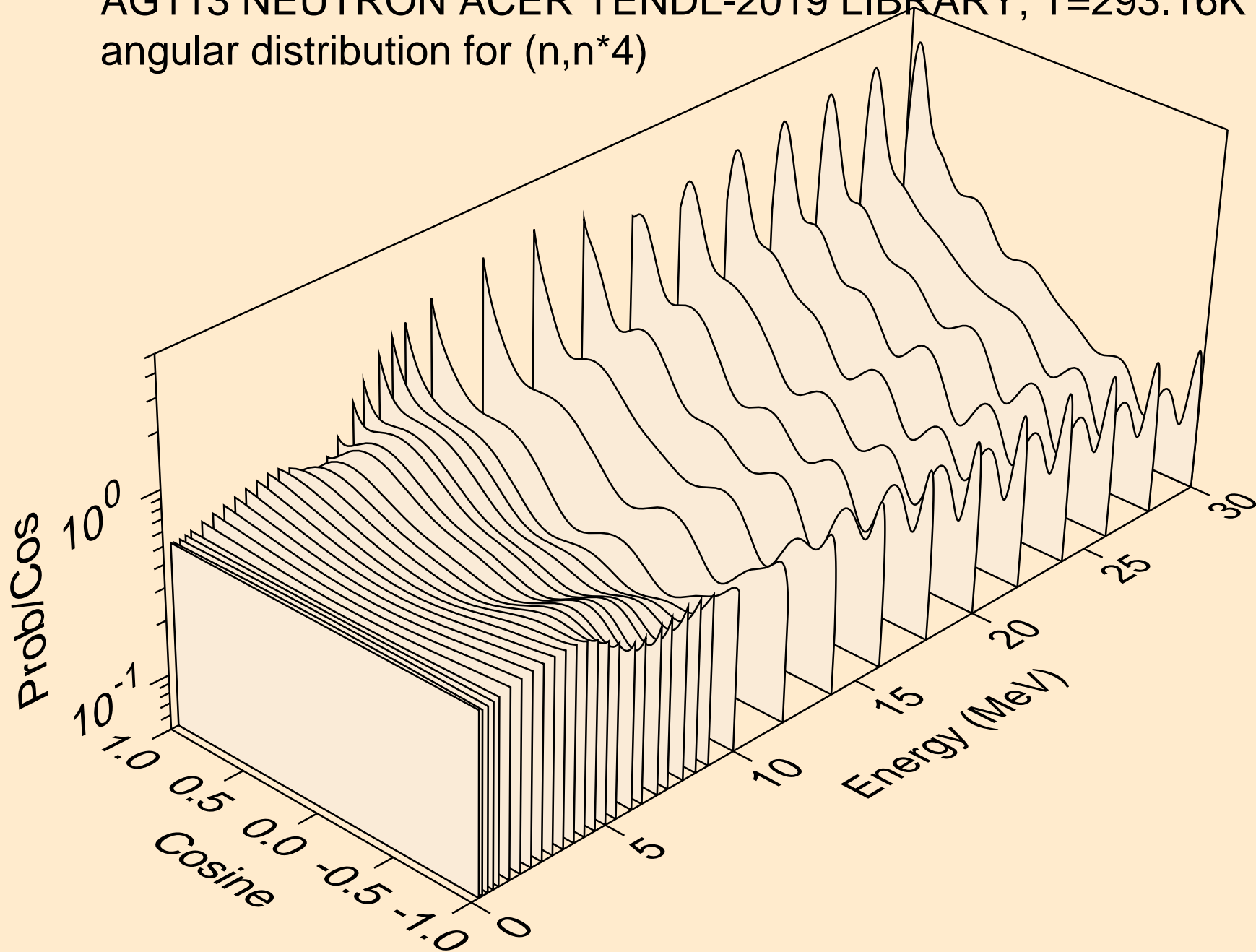




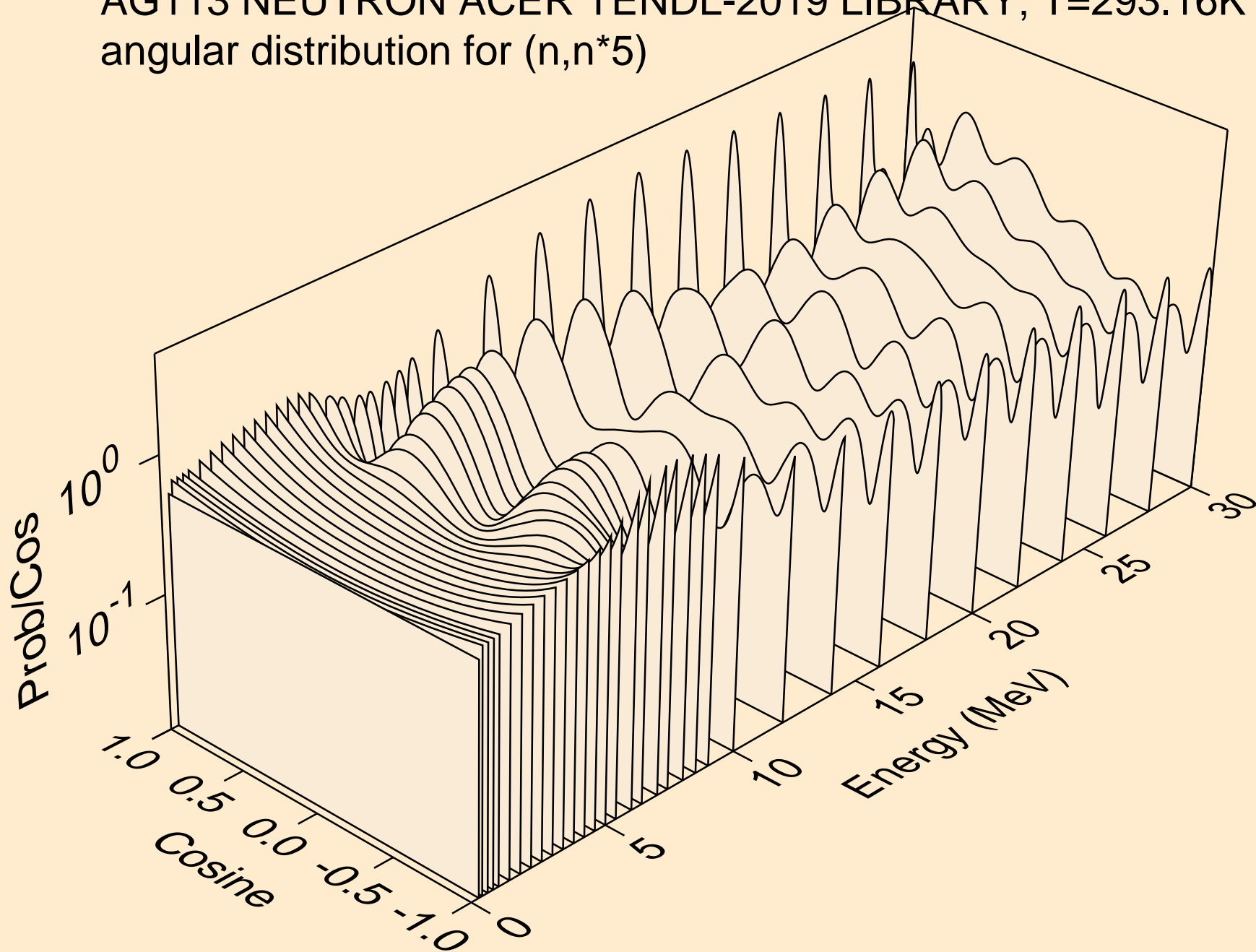
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angular distribution for (n,n\*3)



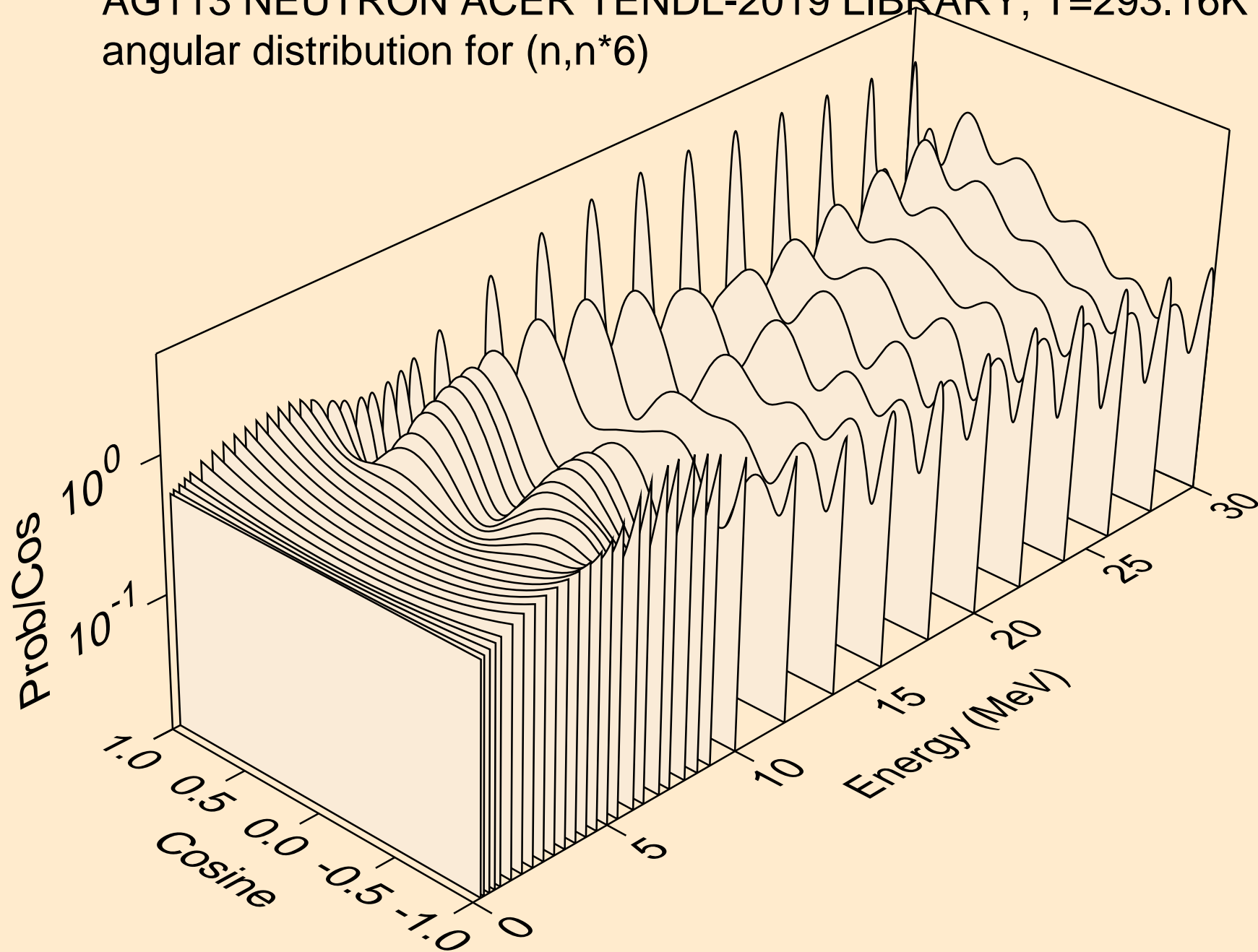
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angular distribution for (n,n\*4)



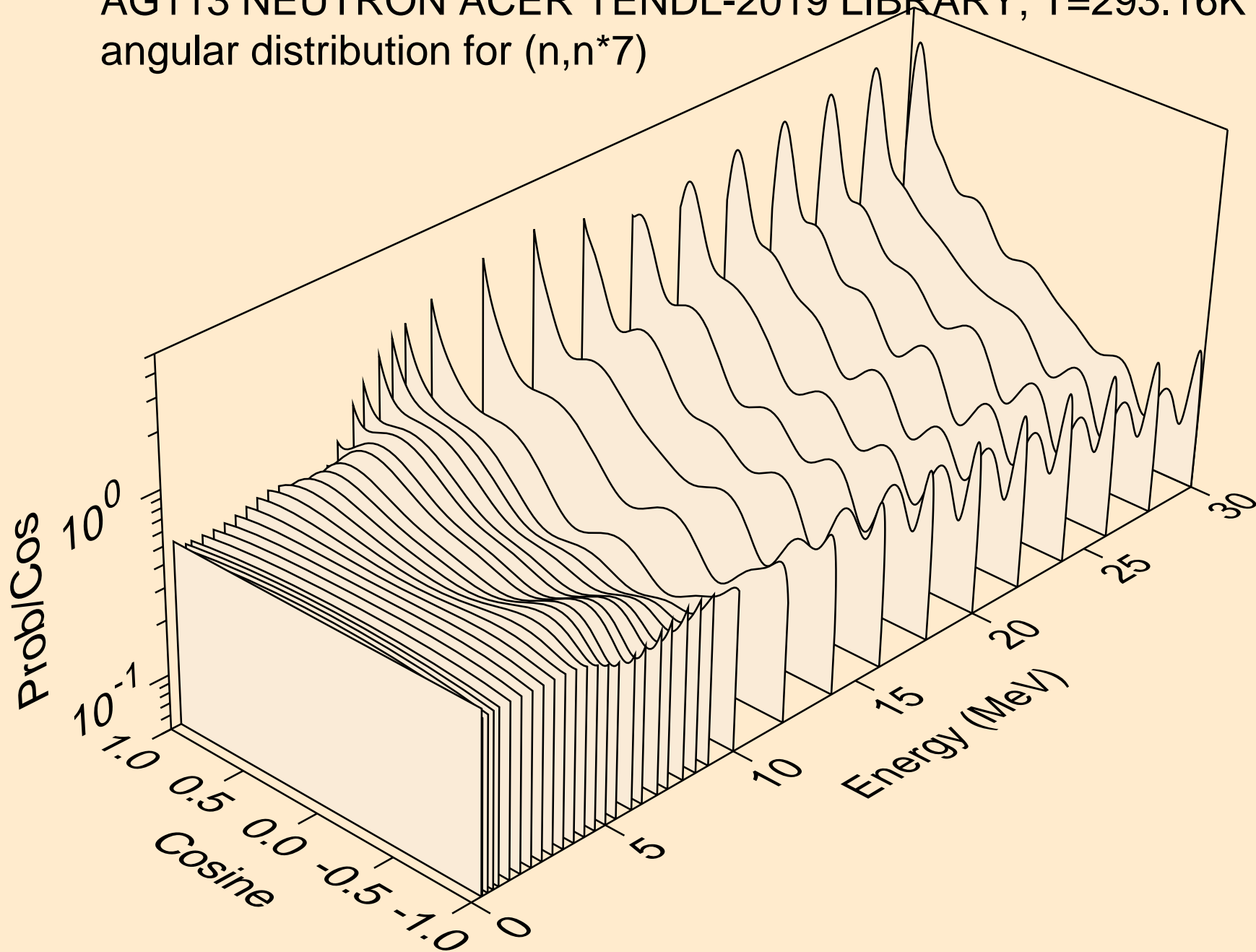
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angular distribution for (n,n\*5)



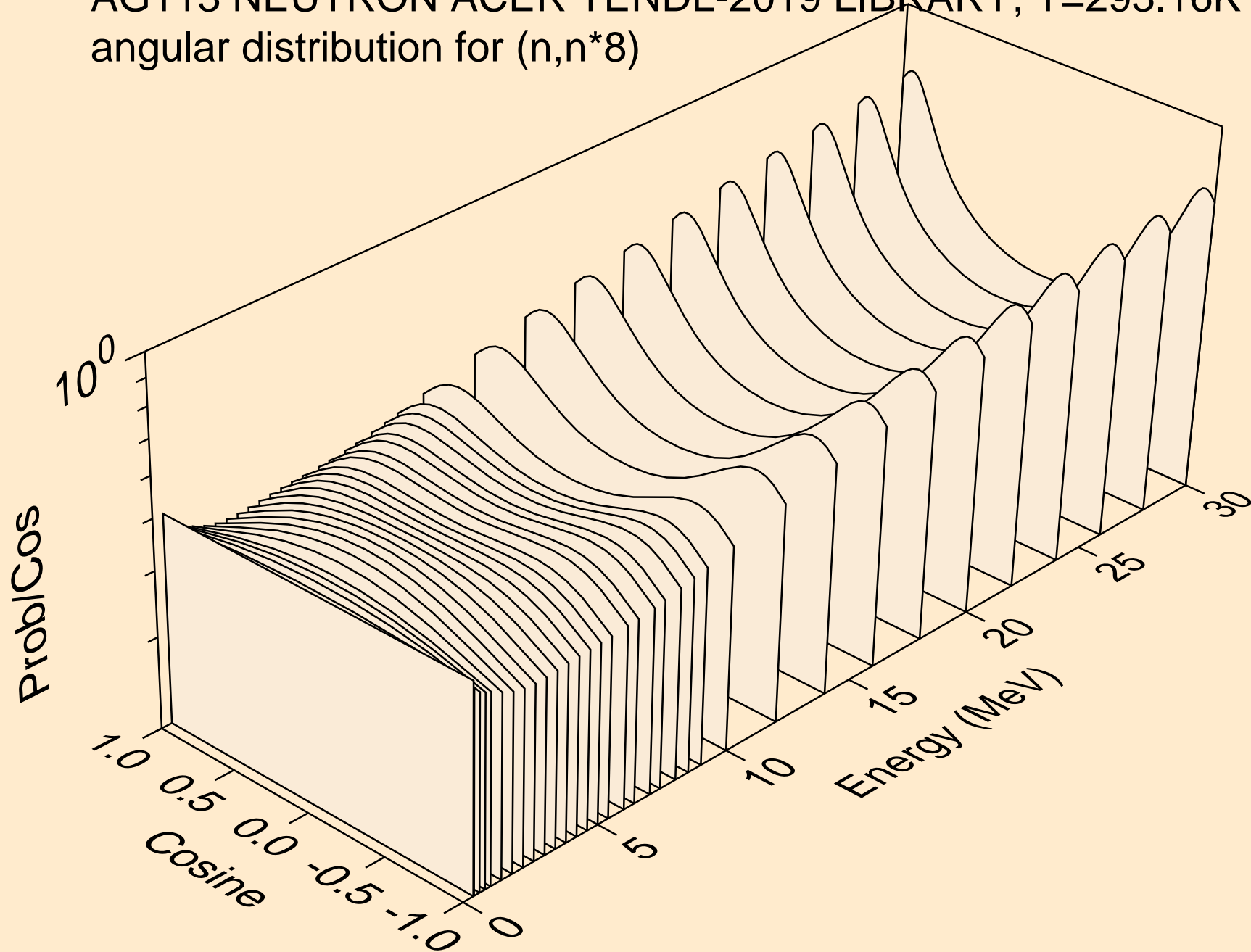
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angular distribution for (n,n\*6)



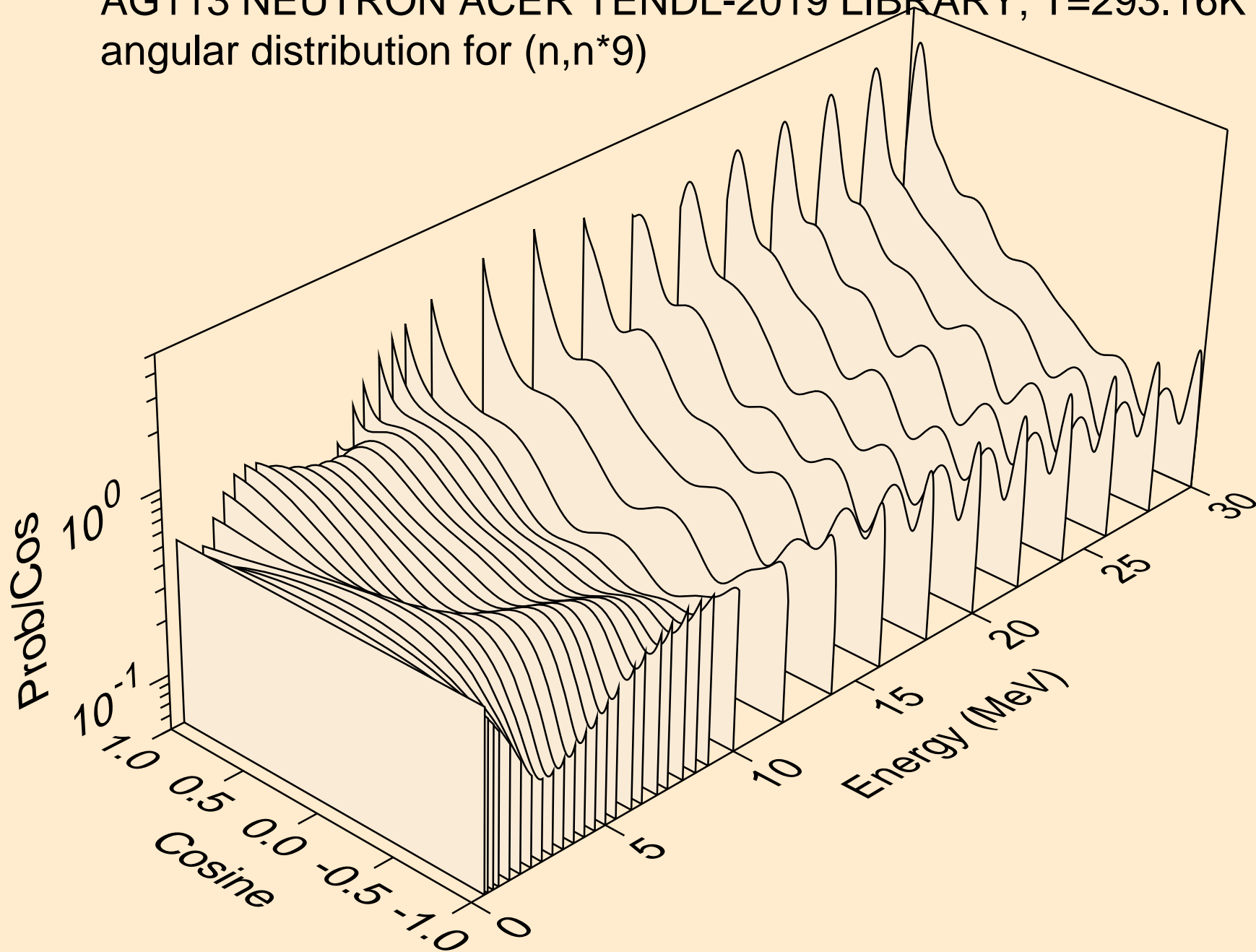
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)



AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)

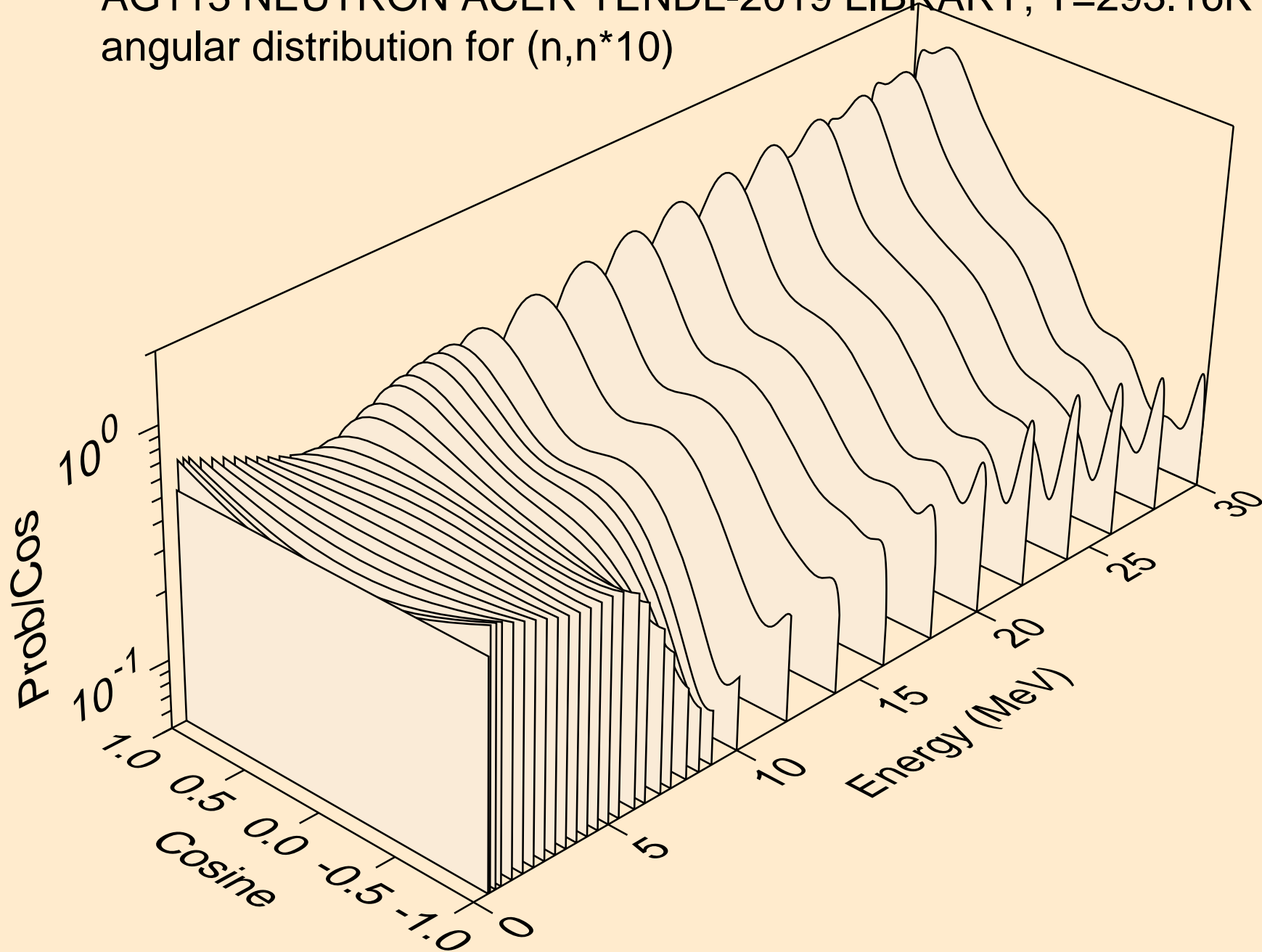


AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)



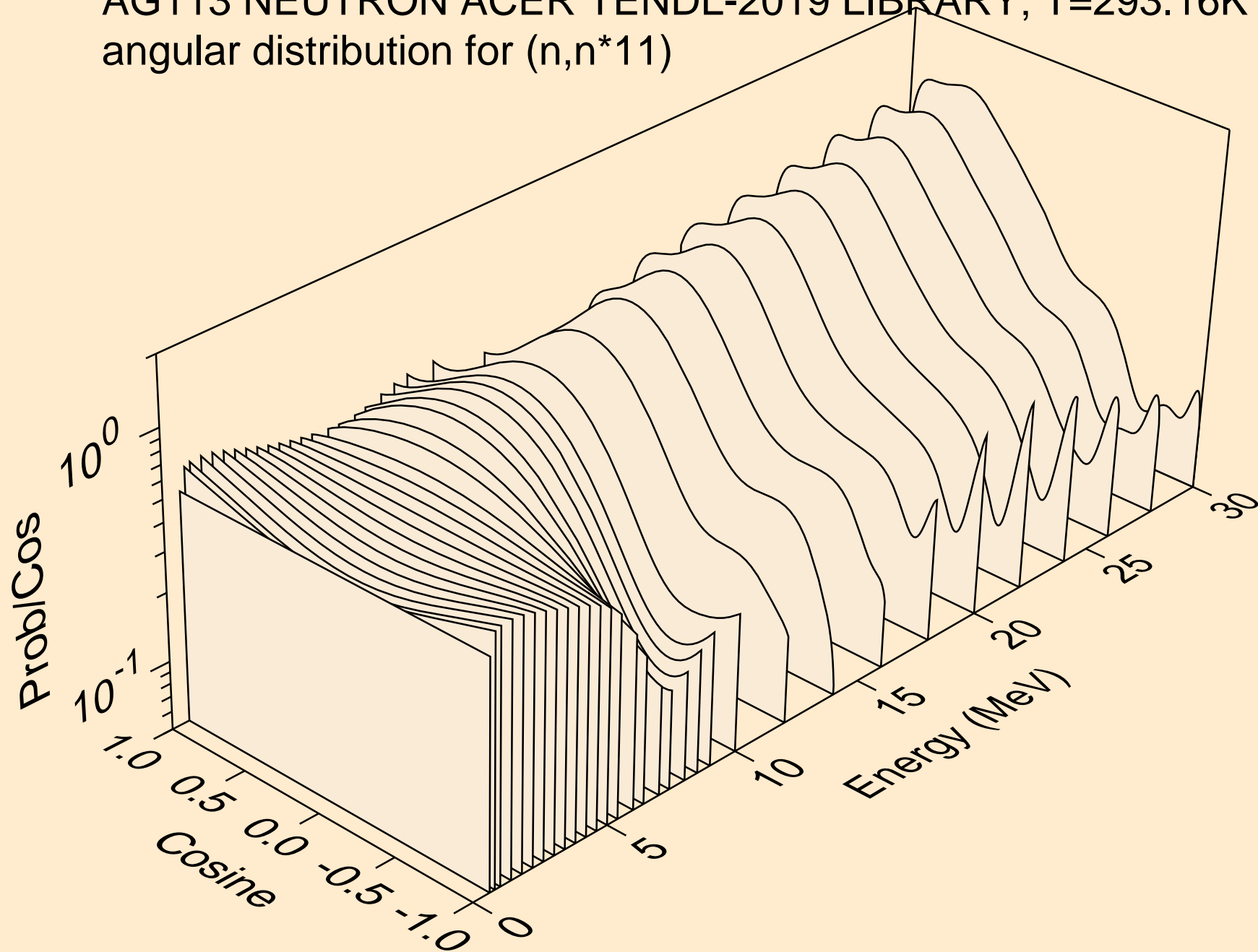


AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*10)

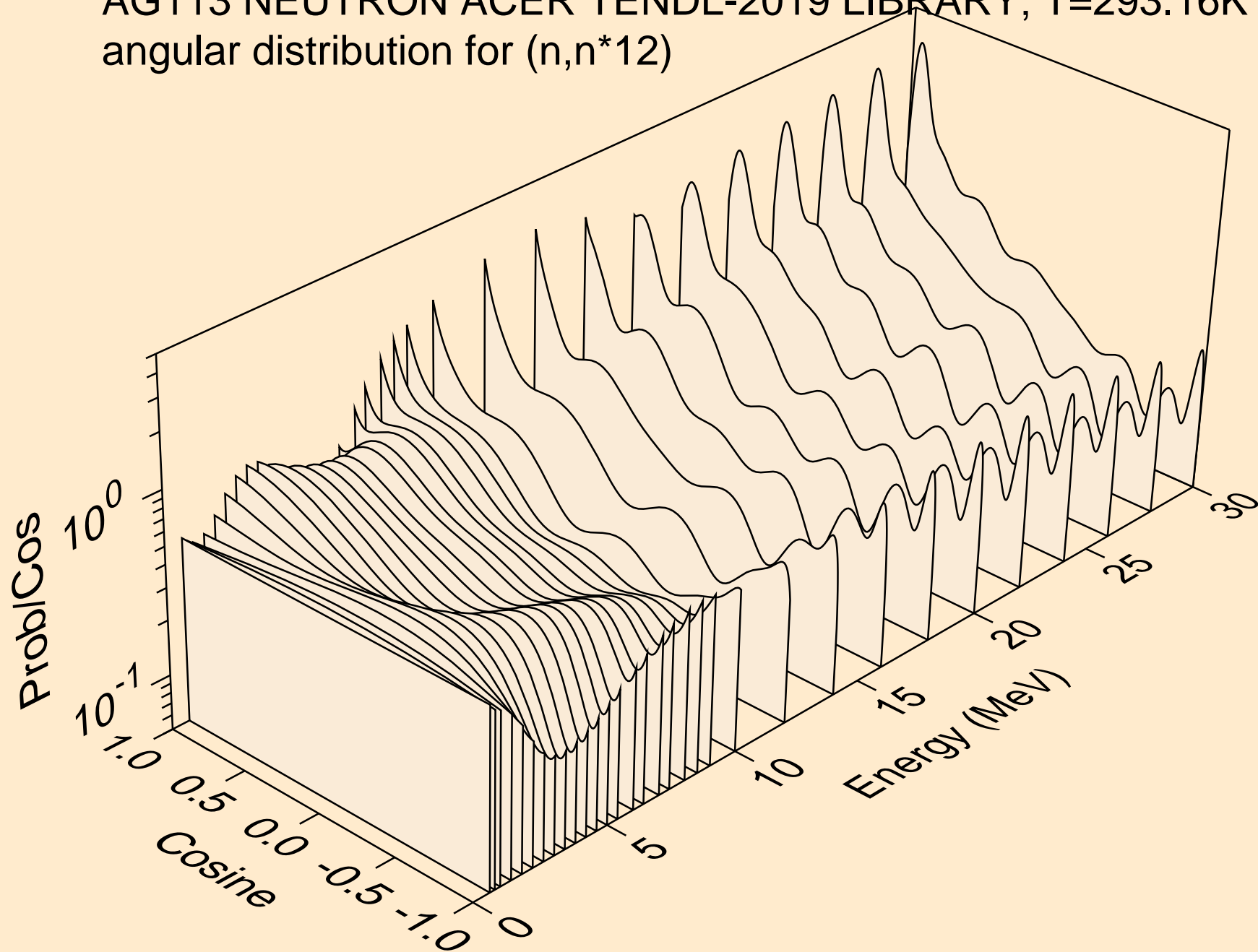




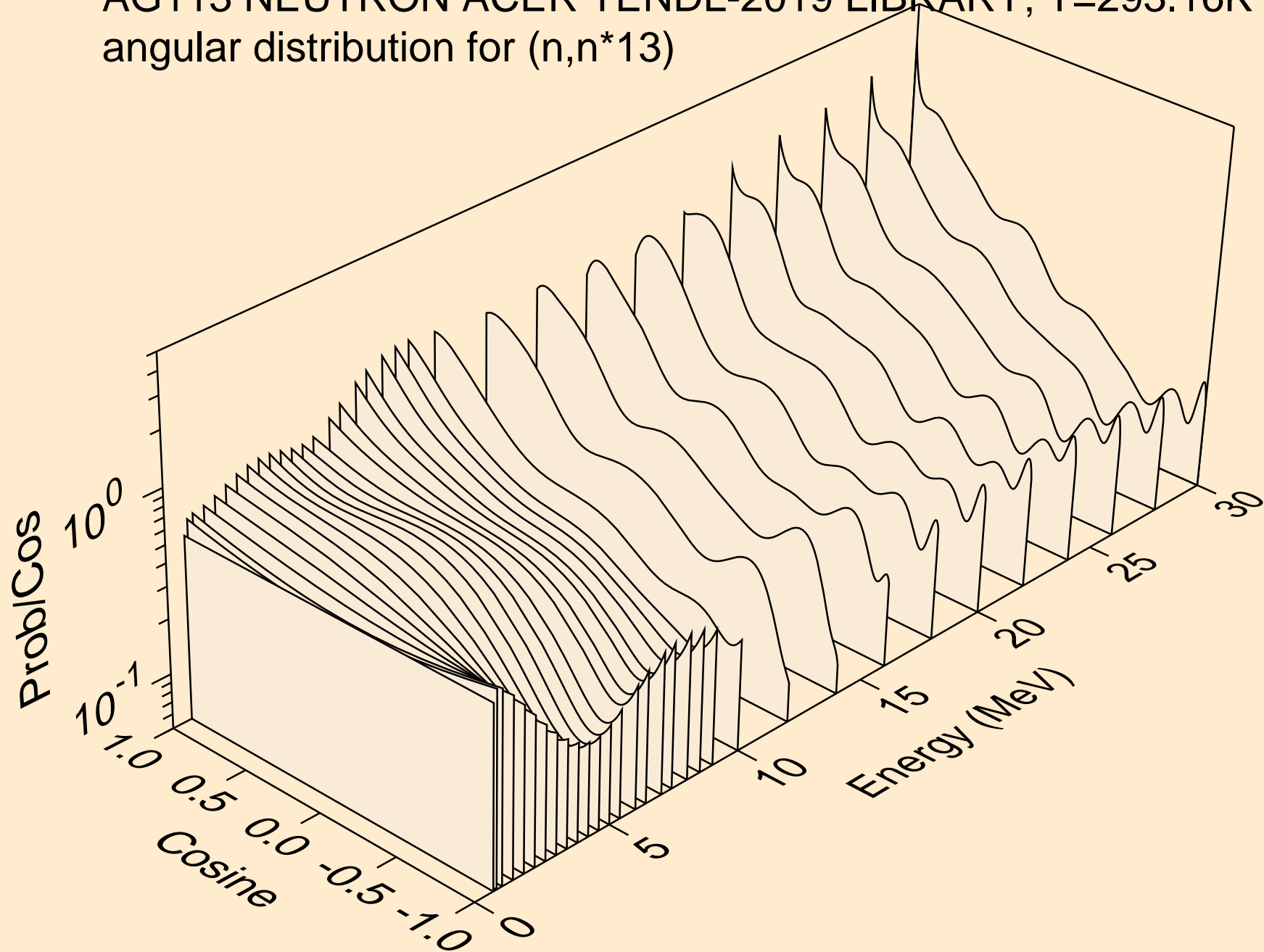
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angular distribution for (n,n\*11)



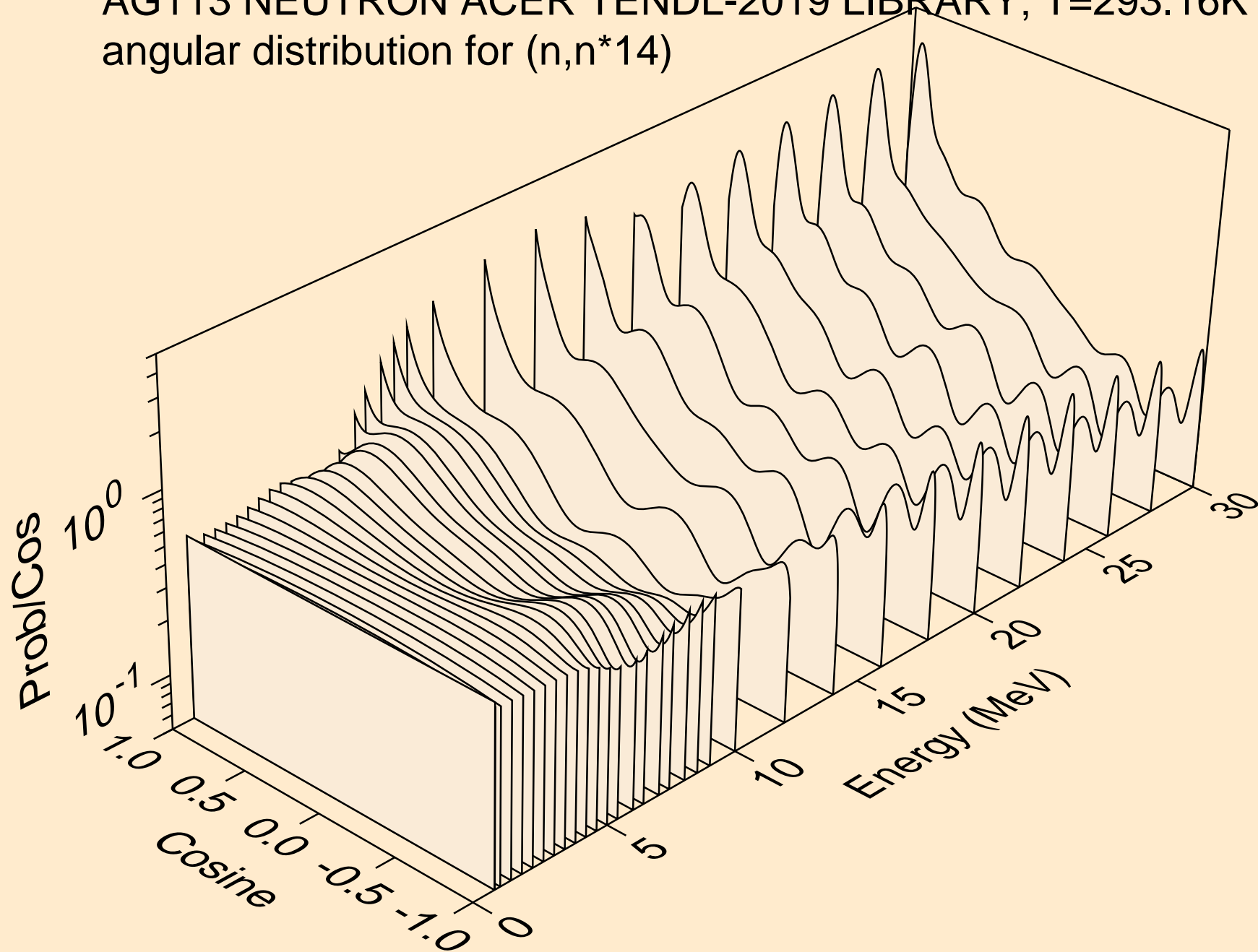
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angular distribution for (n,n\*12)



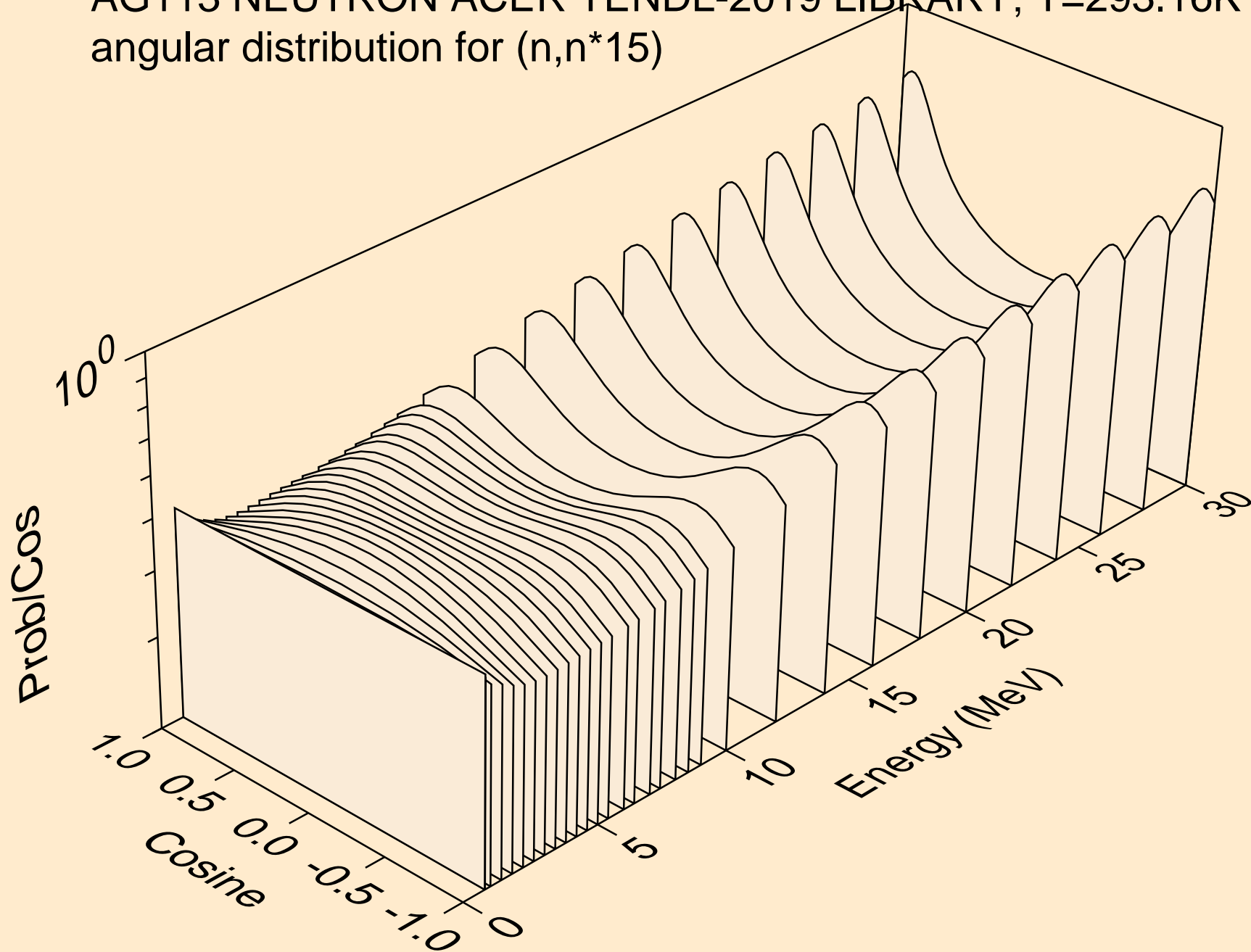
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angular distribution for (n,n\*13)



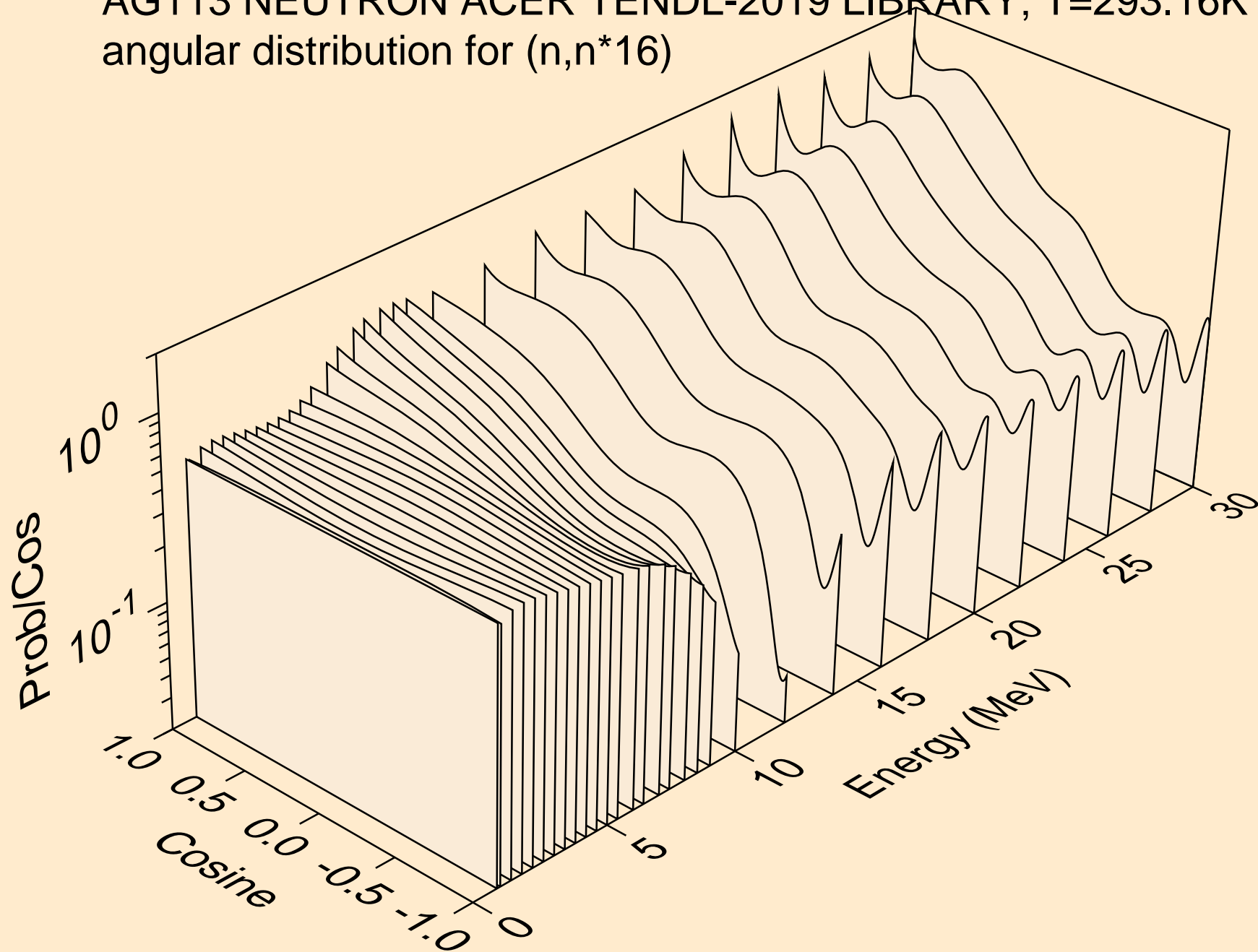
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angular distribution for (n,n\*14)



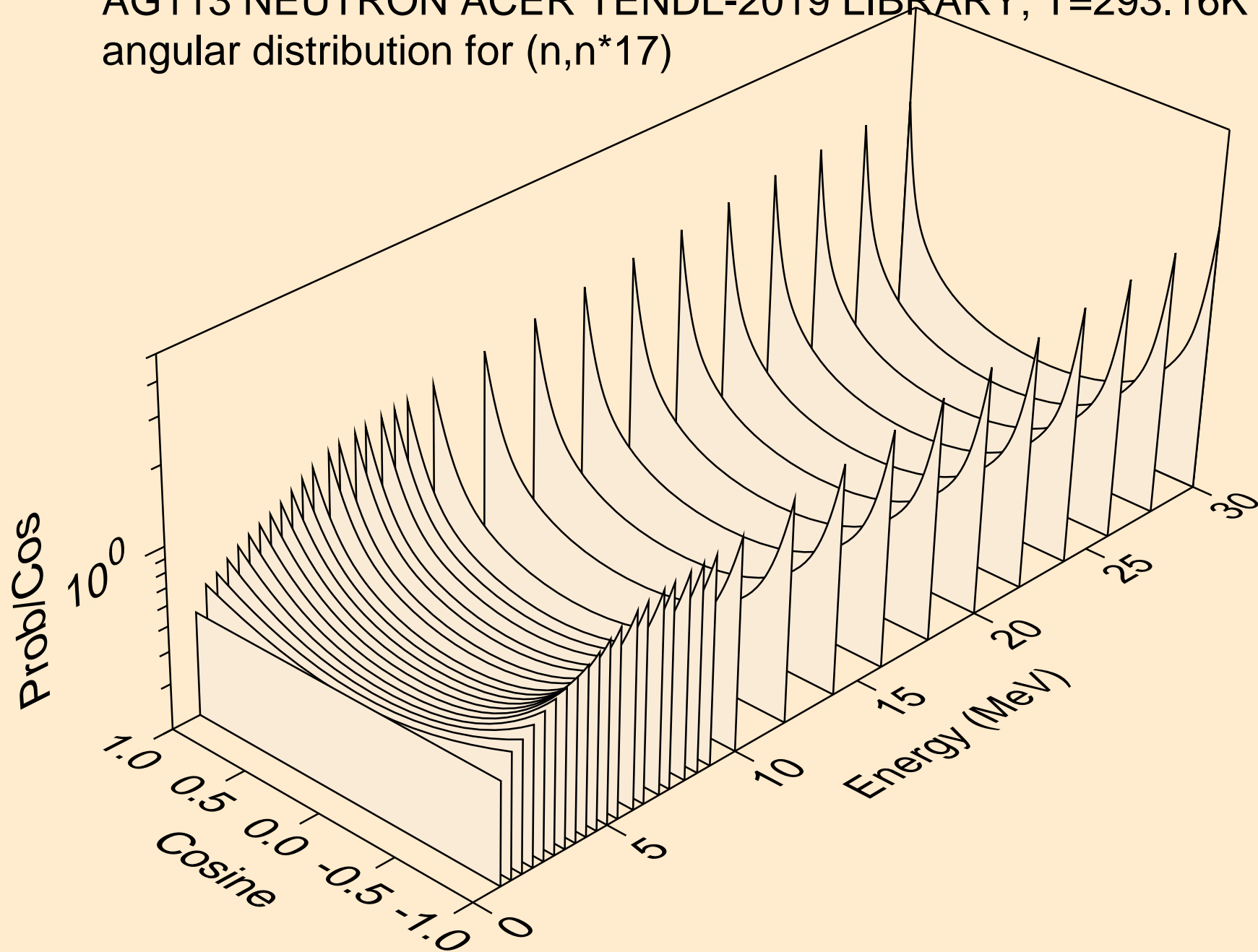
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angular distribution for (n,n\*15)



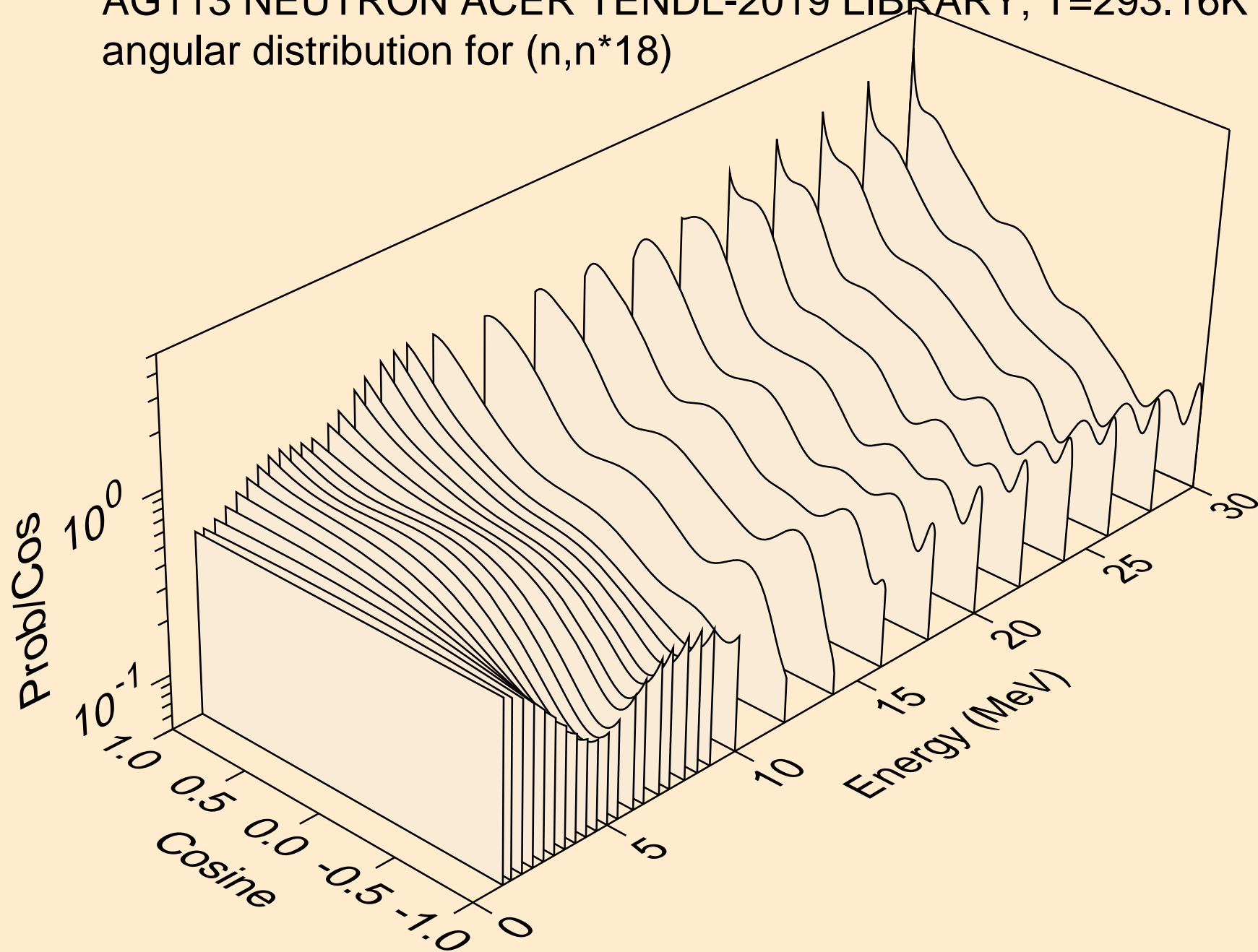
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angular distribution for (n,n\*16)



AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*17)

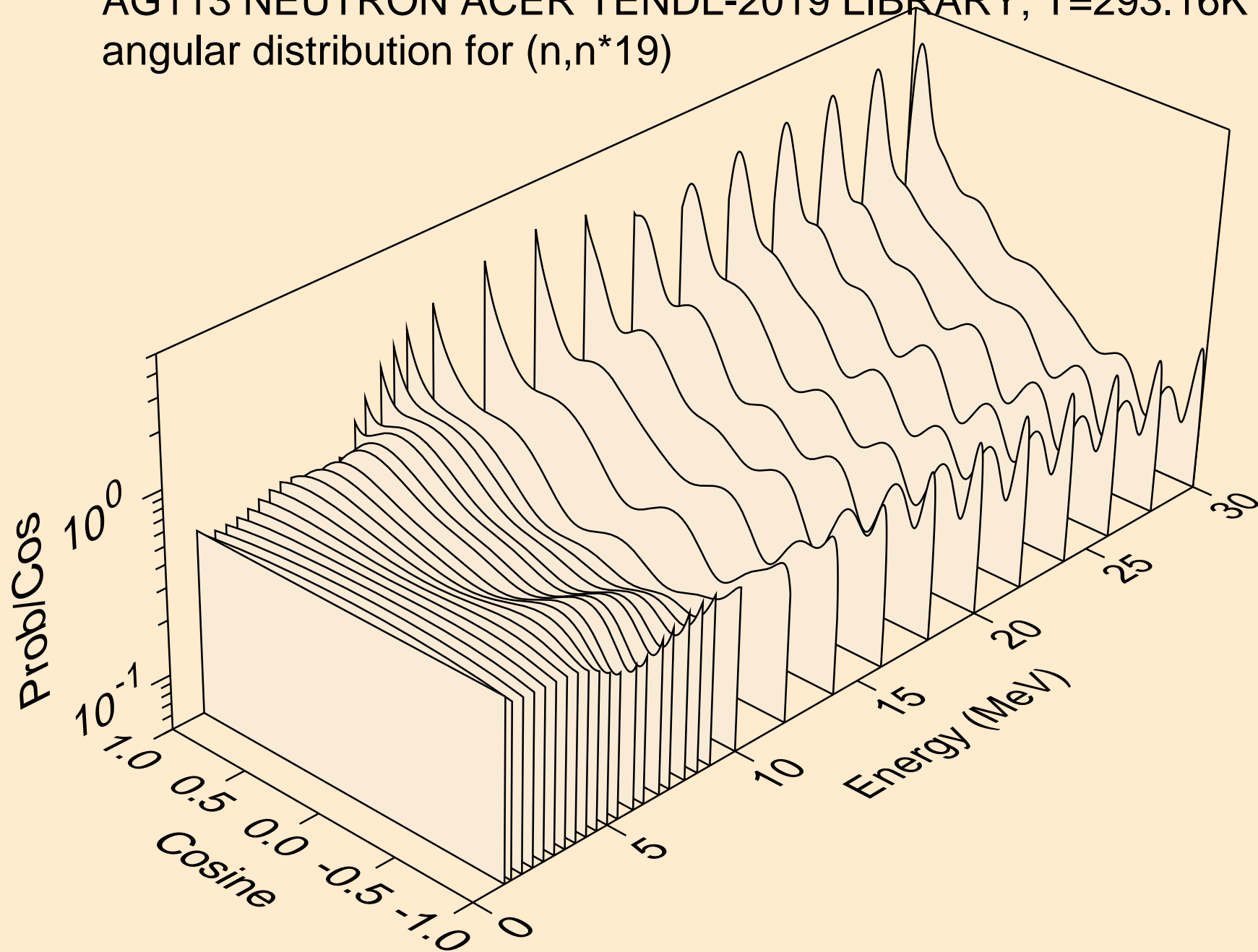


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angular distribution for (n,n\*18)

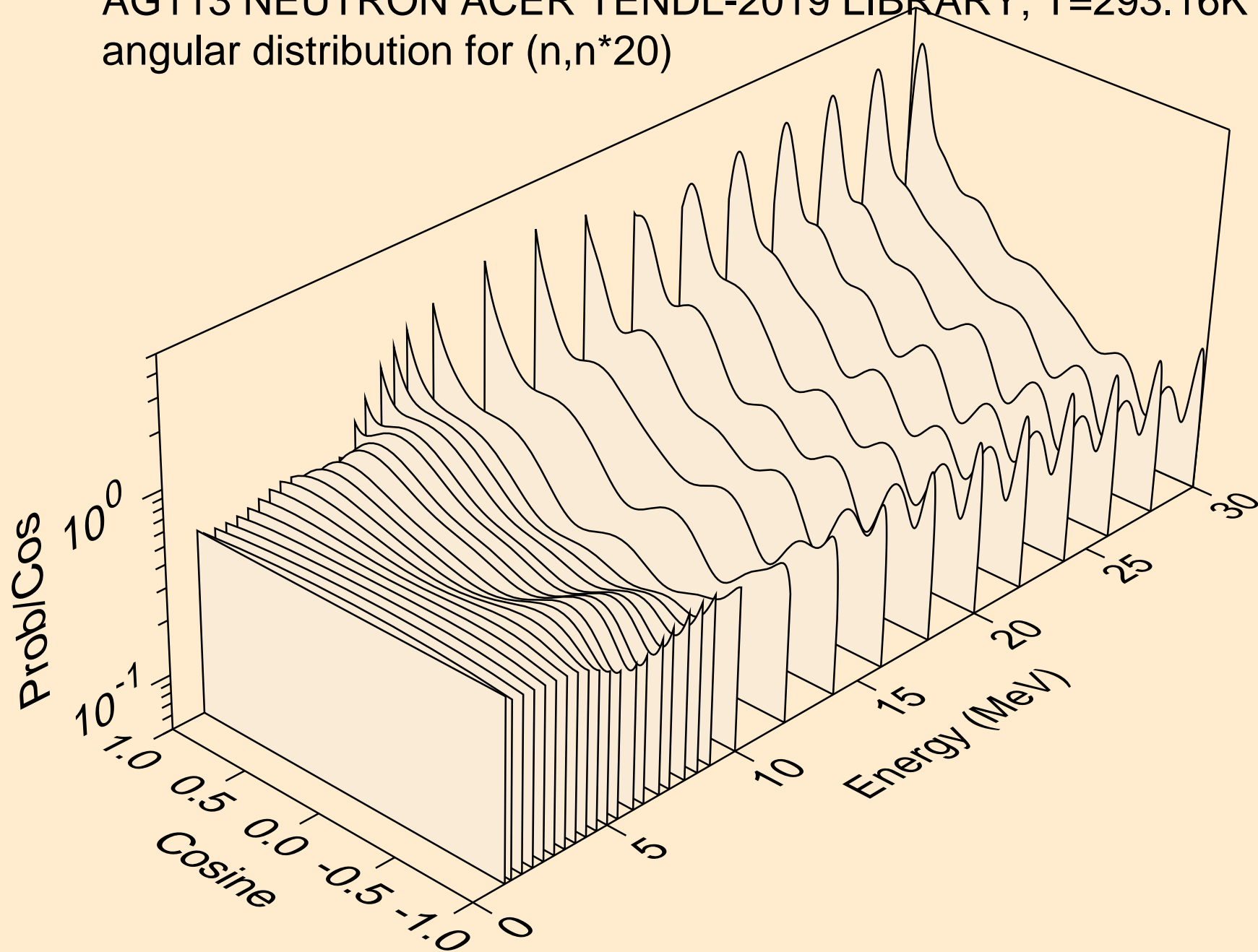




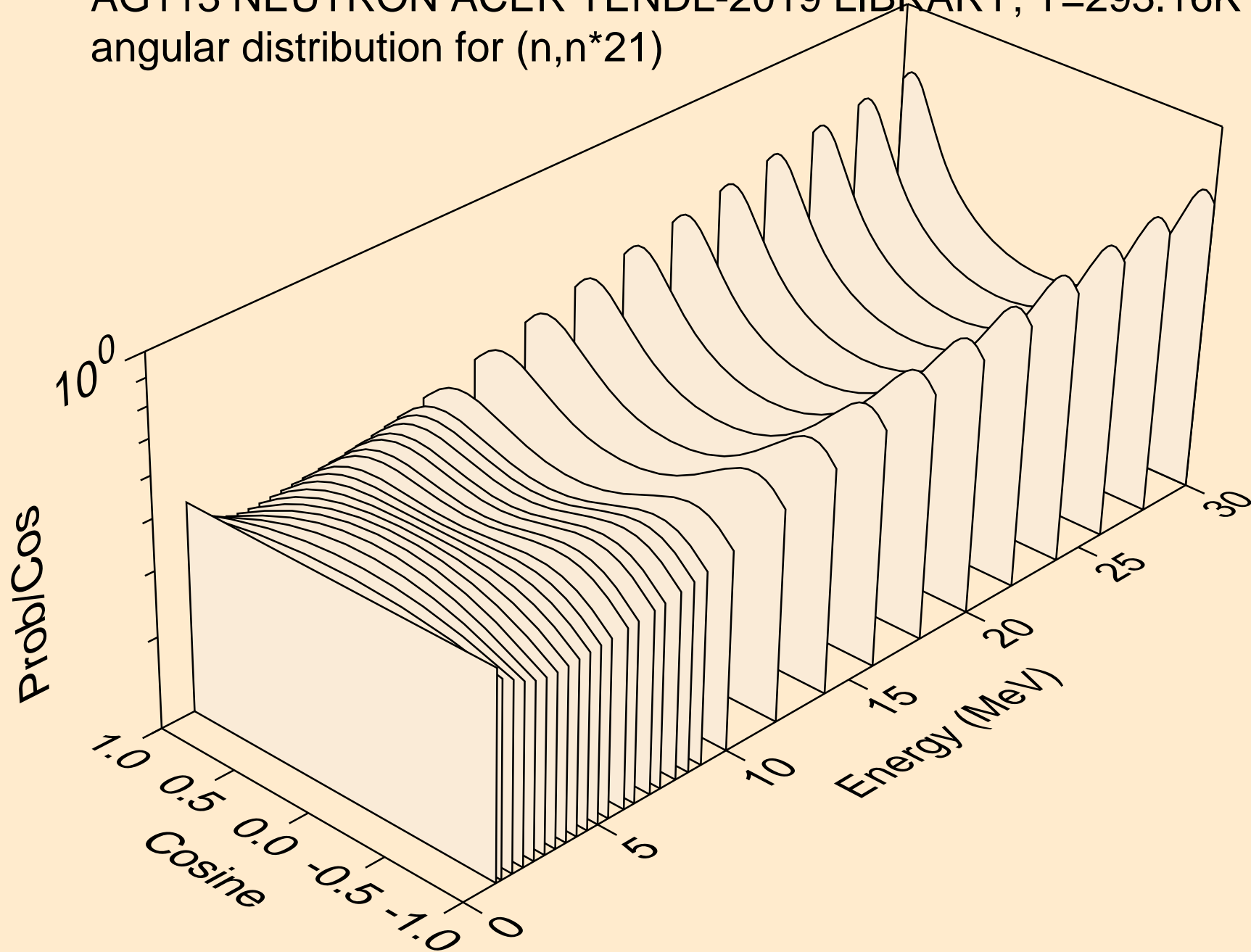
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angular distribution for (n,n\*19)



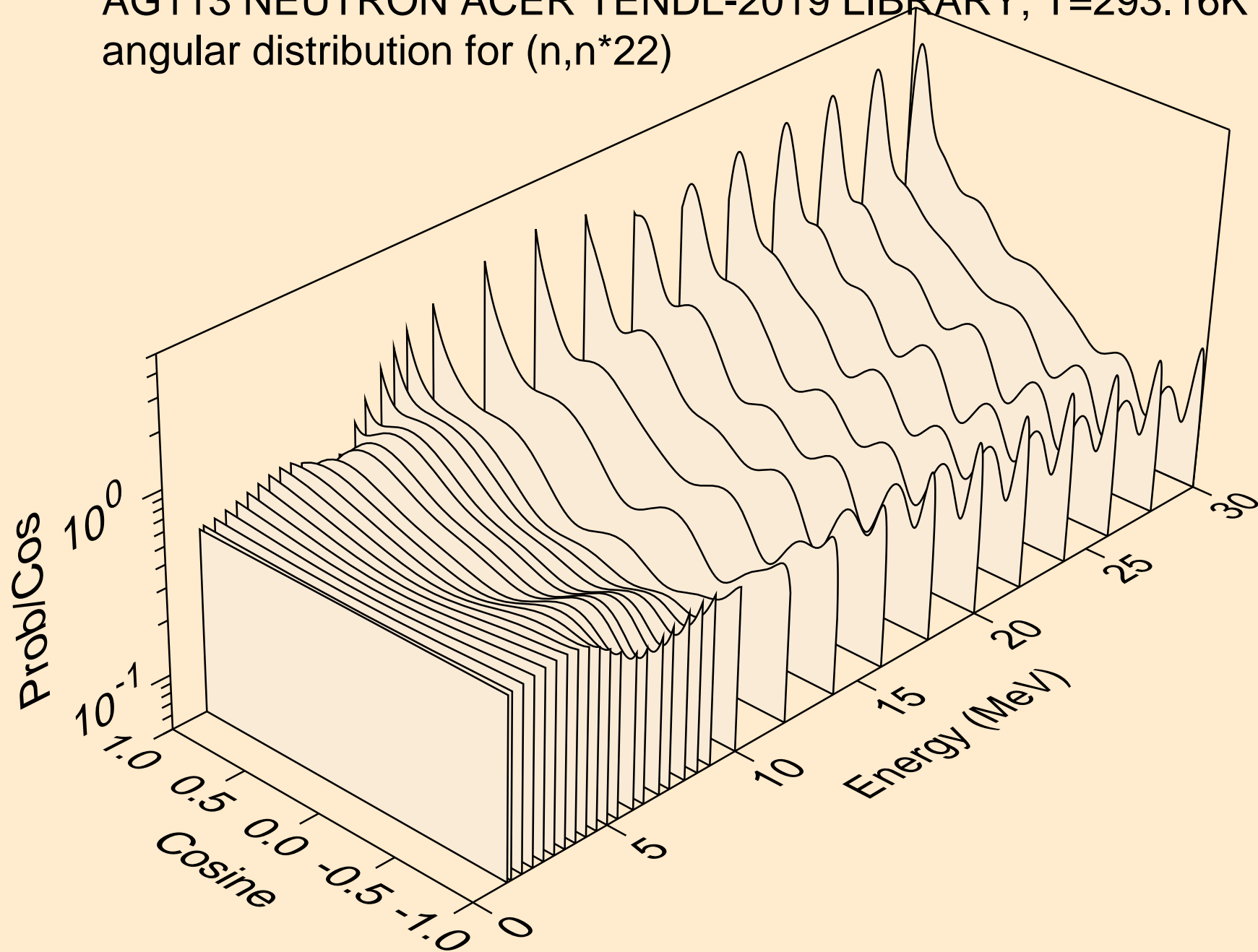
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angular distribution for (n,n\*20)



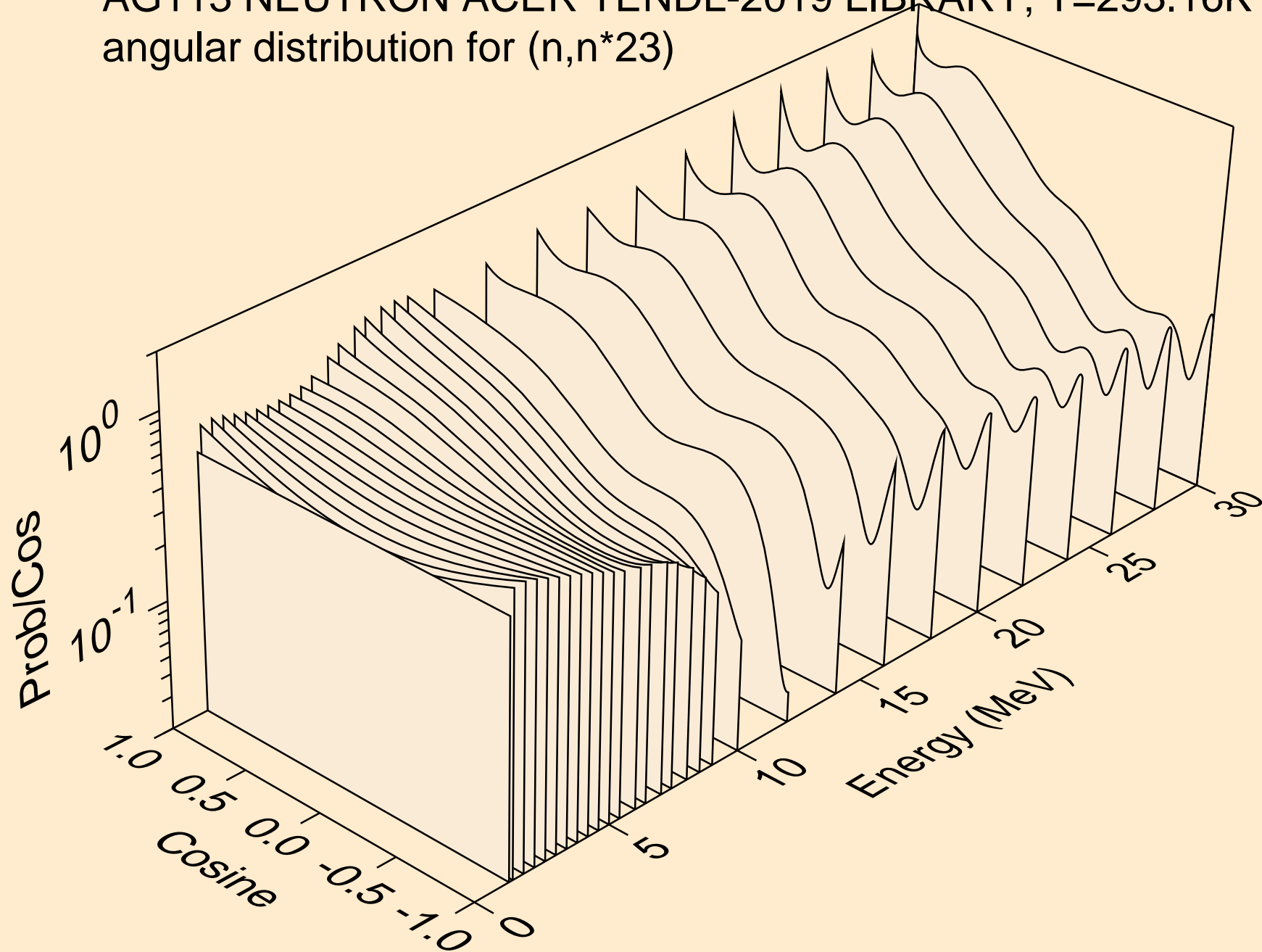
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angular distribution for (n,n\*21)



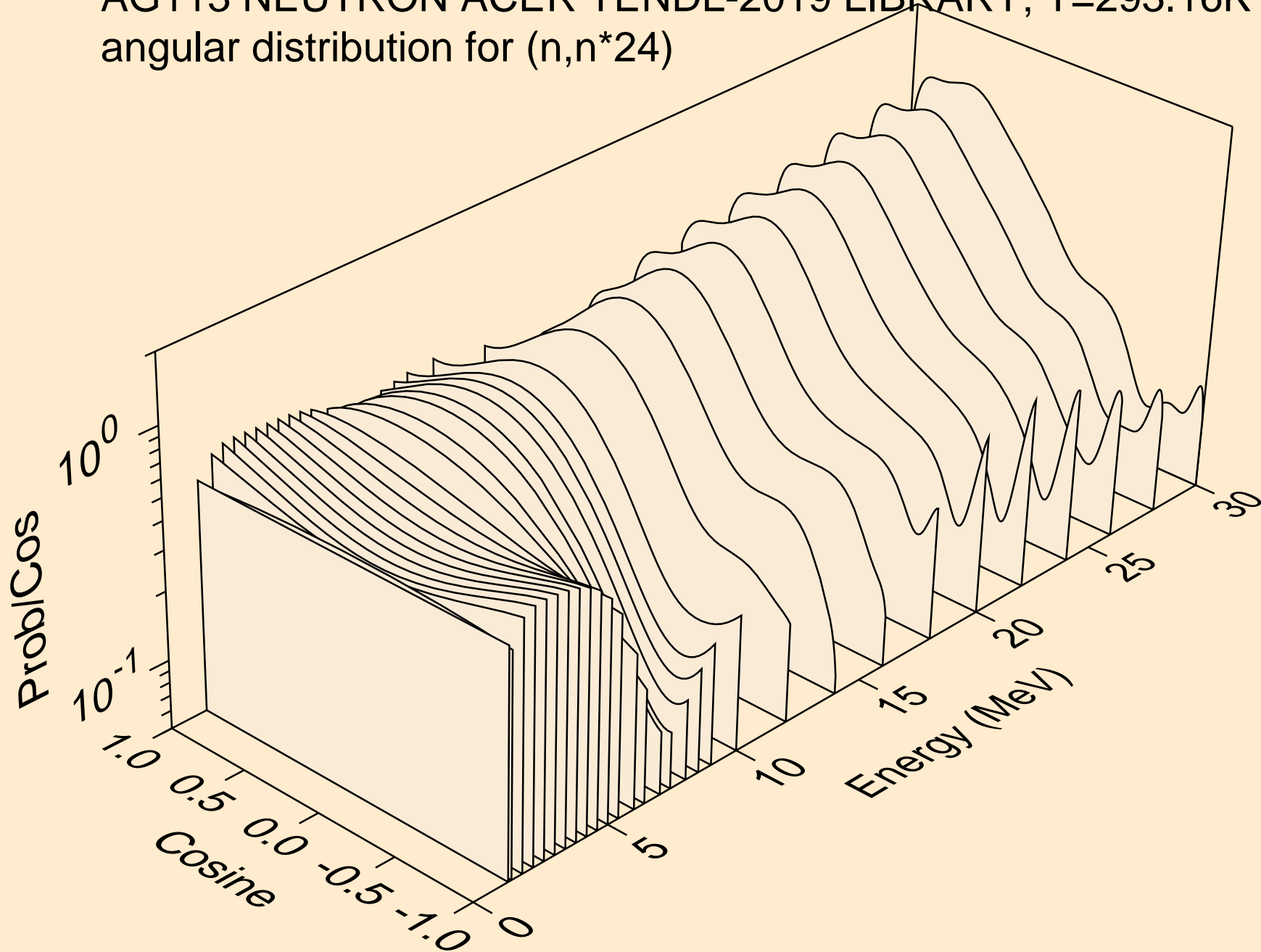
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angular distribution for (n,n\*22)



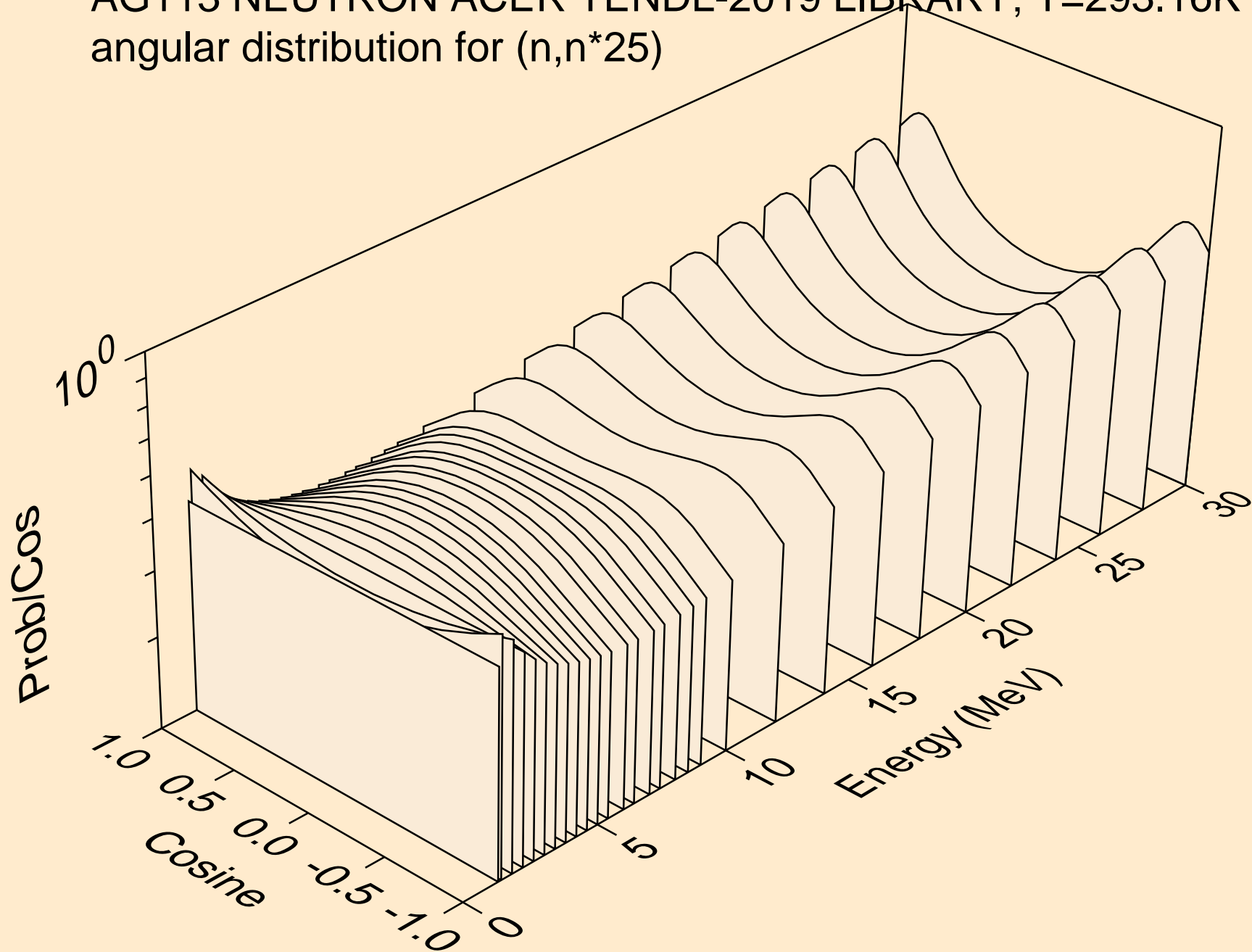
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angular distribution for (n,n\*23)



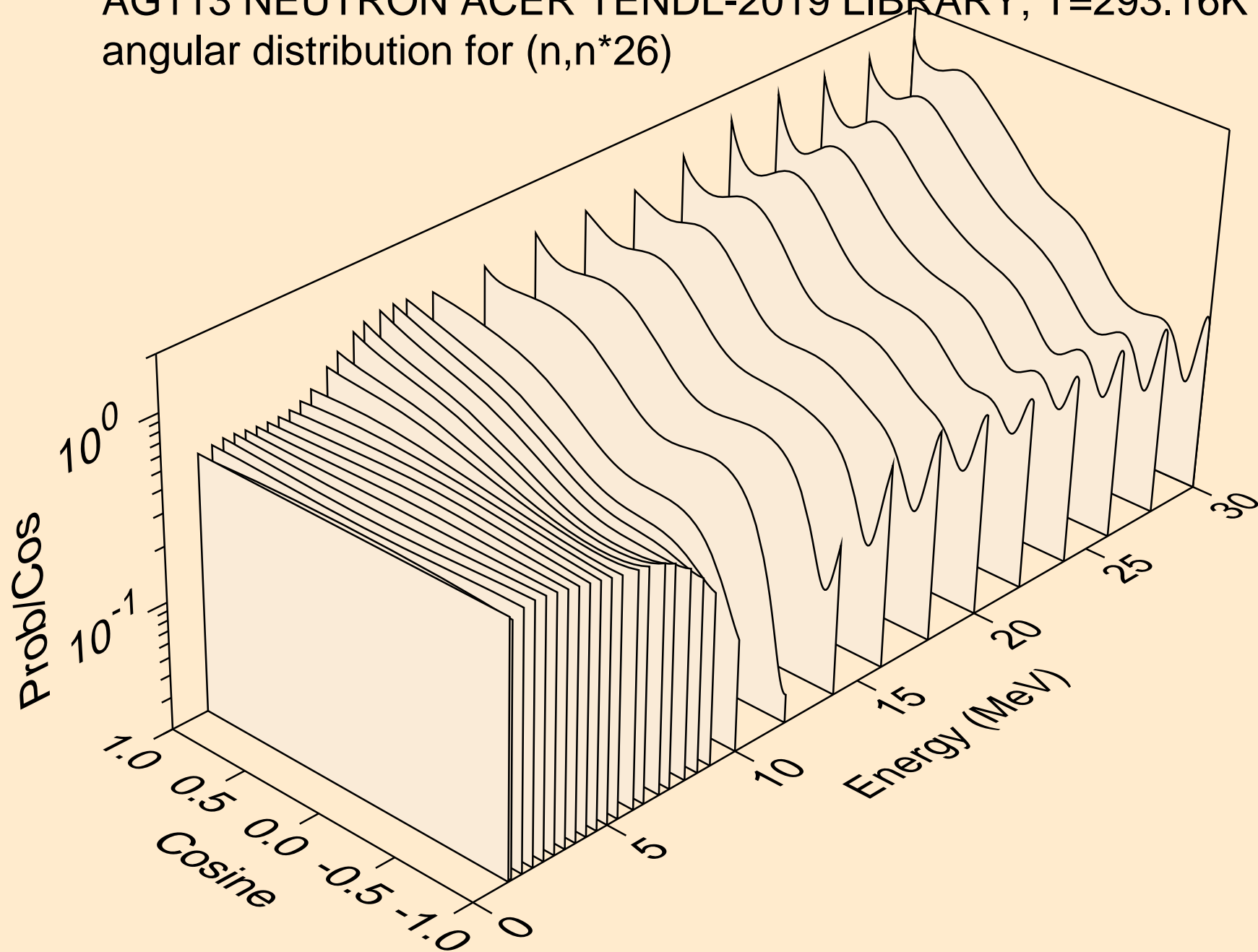
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*24)



AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*25)

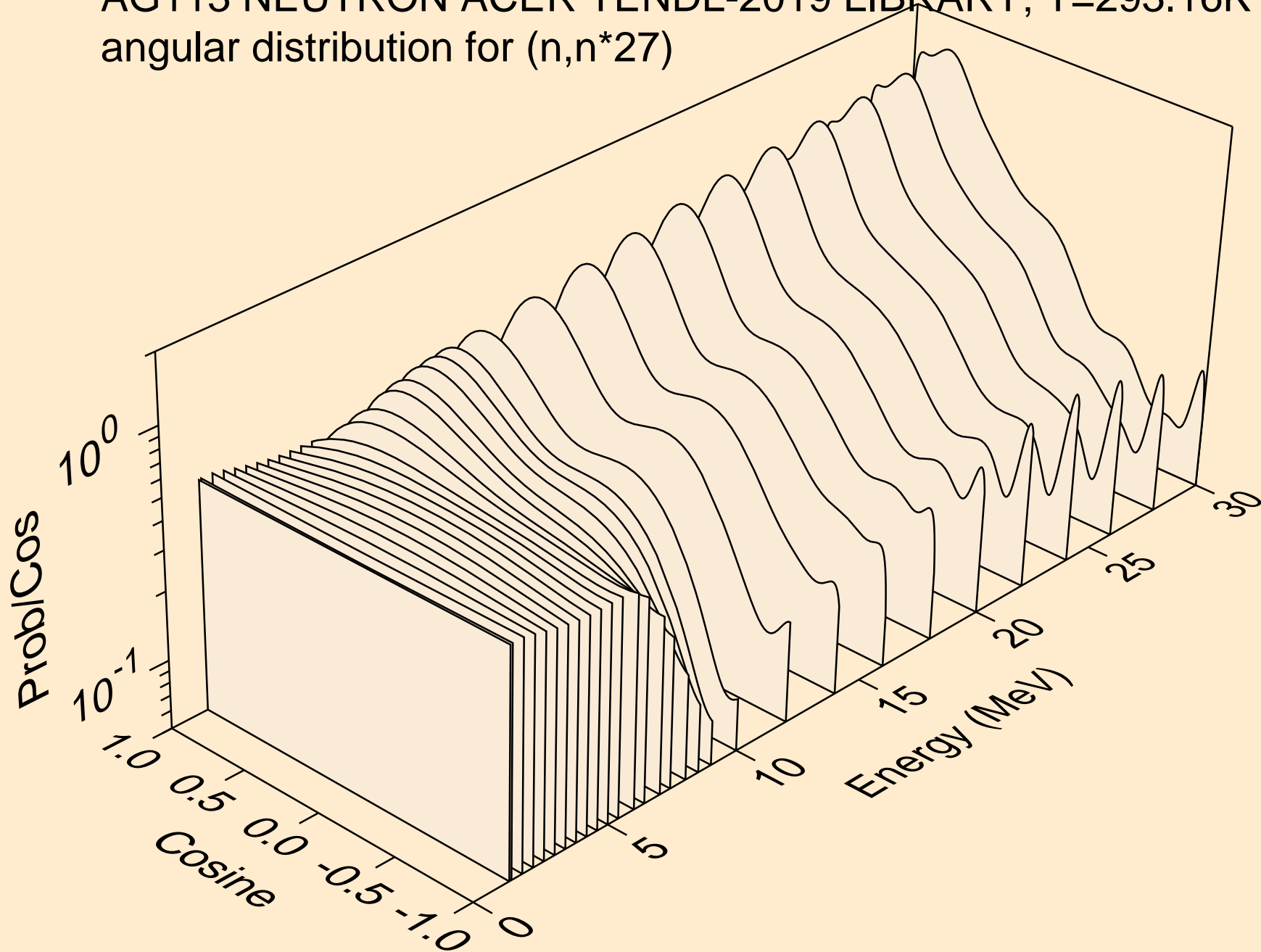


AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*26)

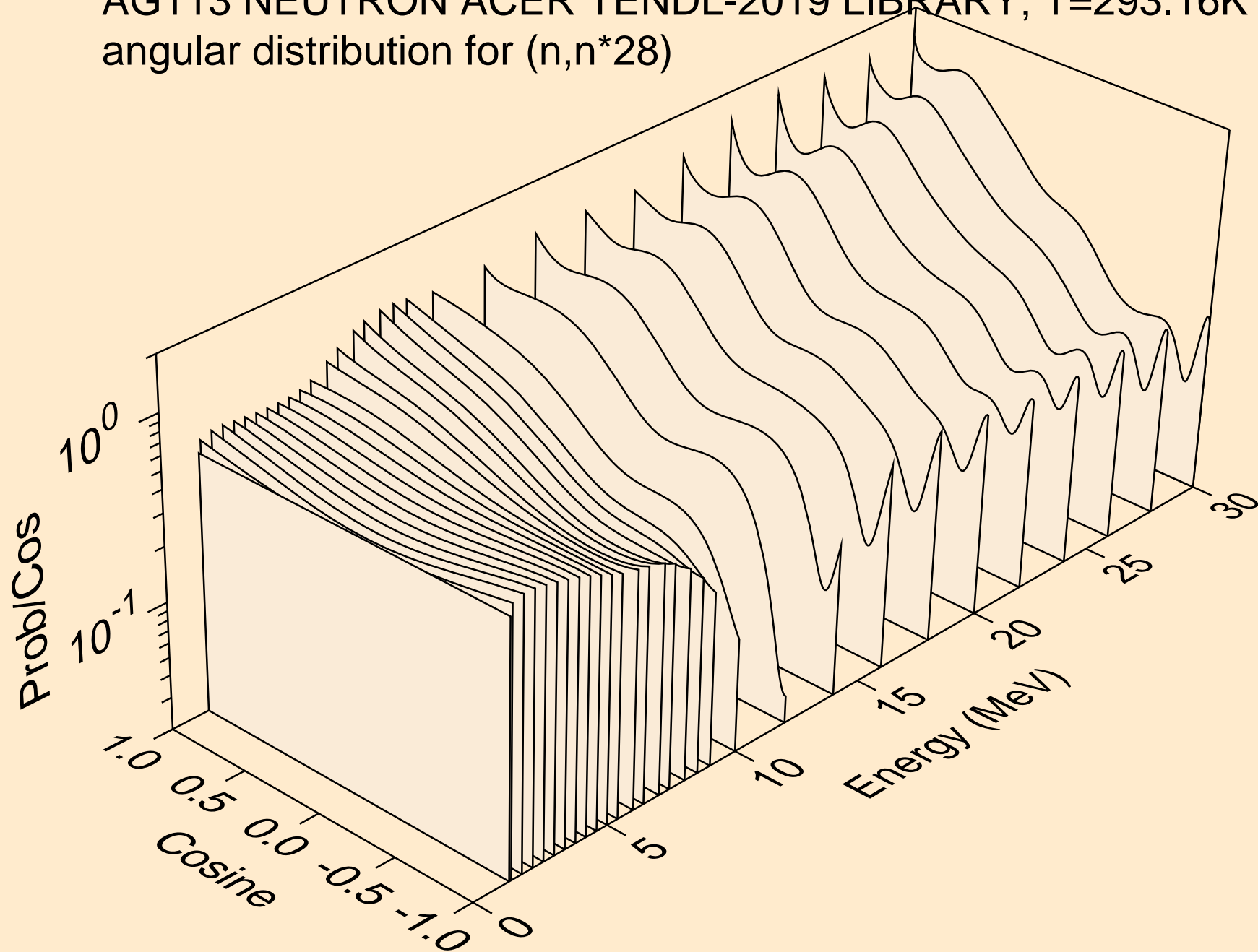




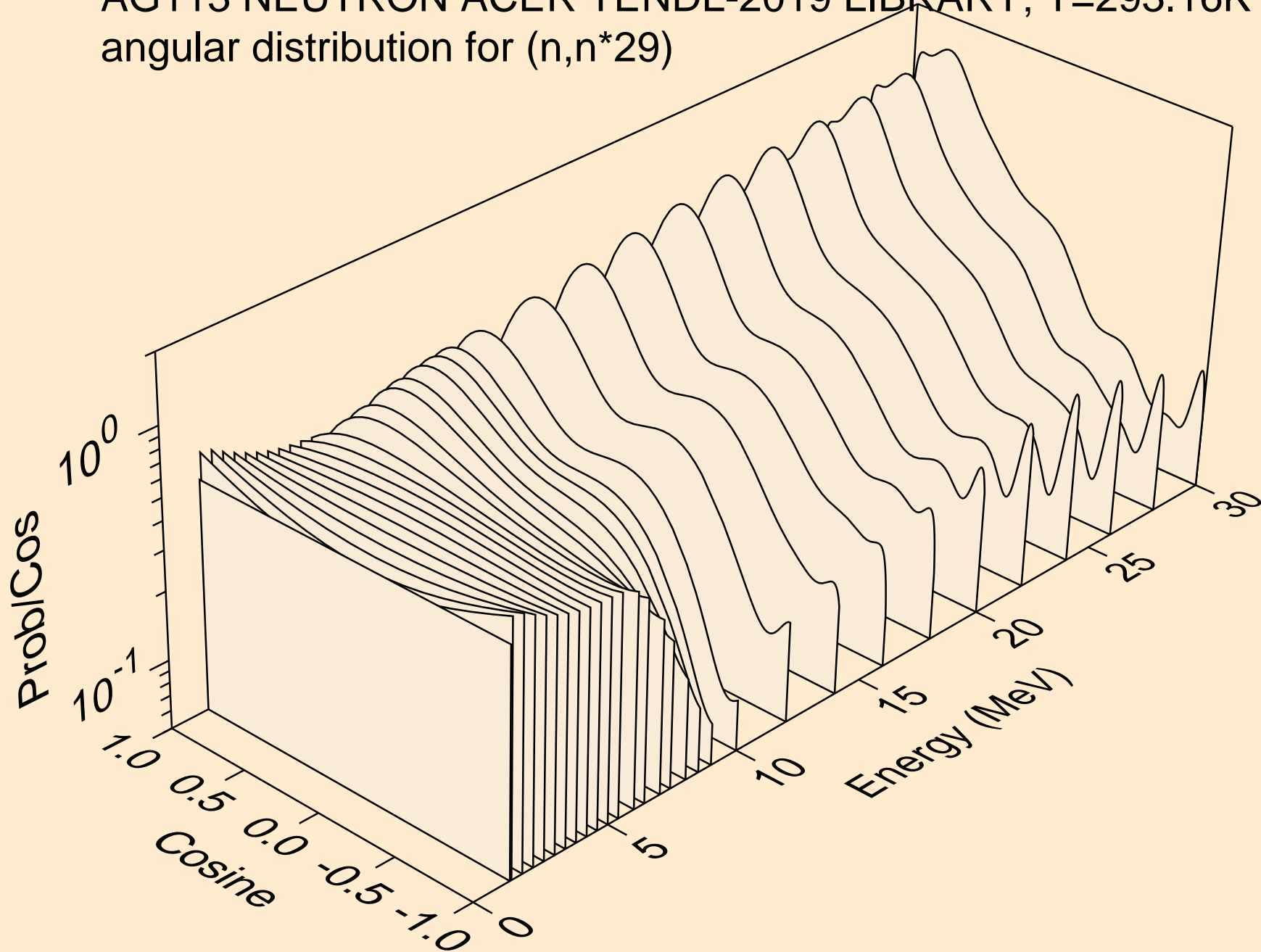
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angular distribution for (n,n\*27)



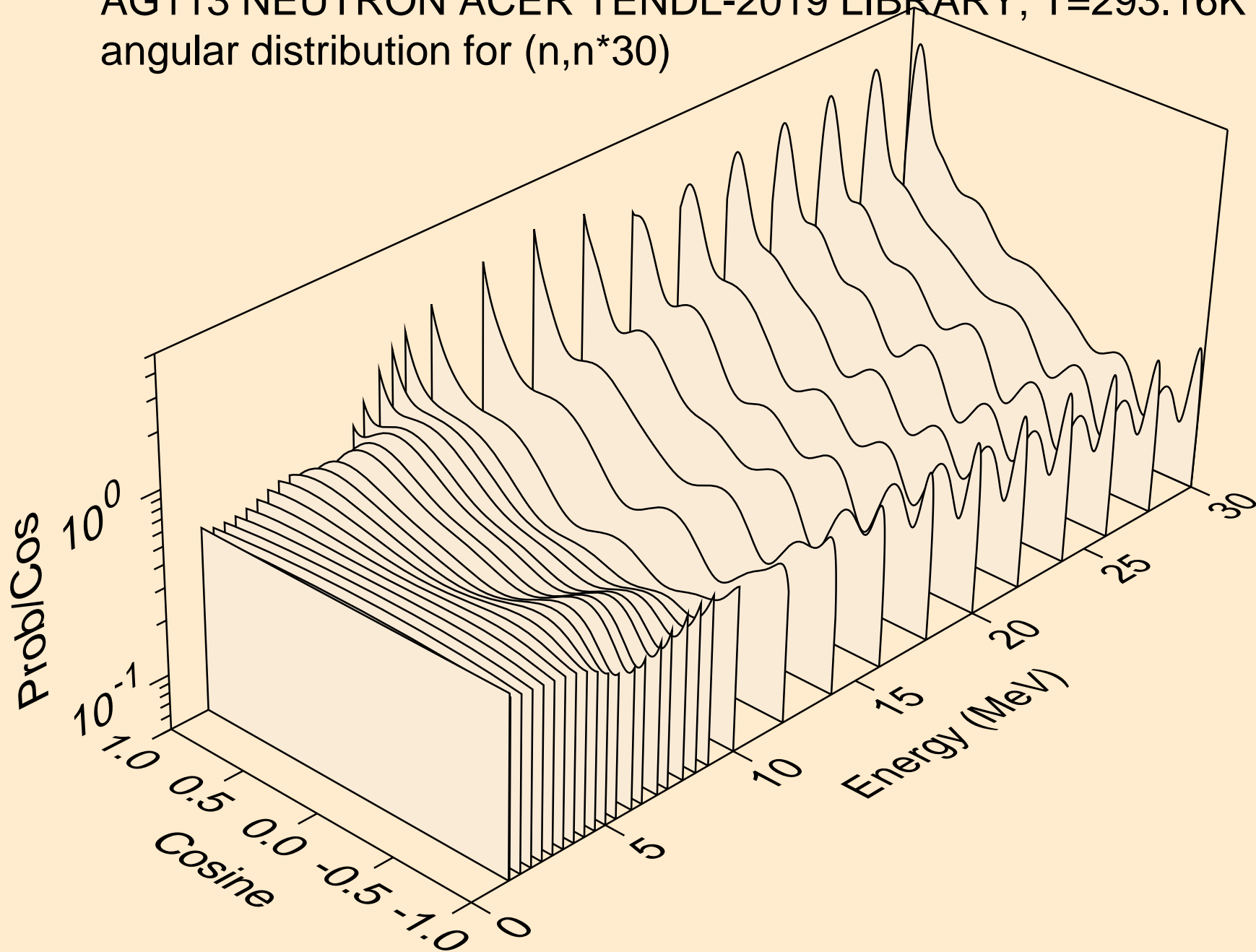
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angular distribution for (n,n\*28)



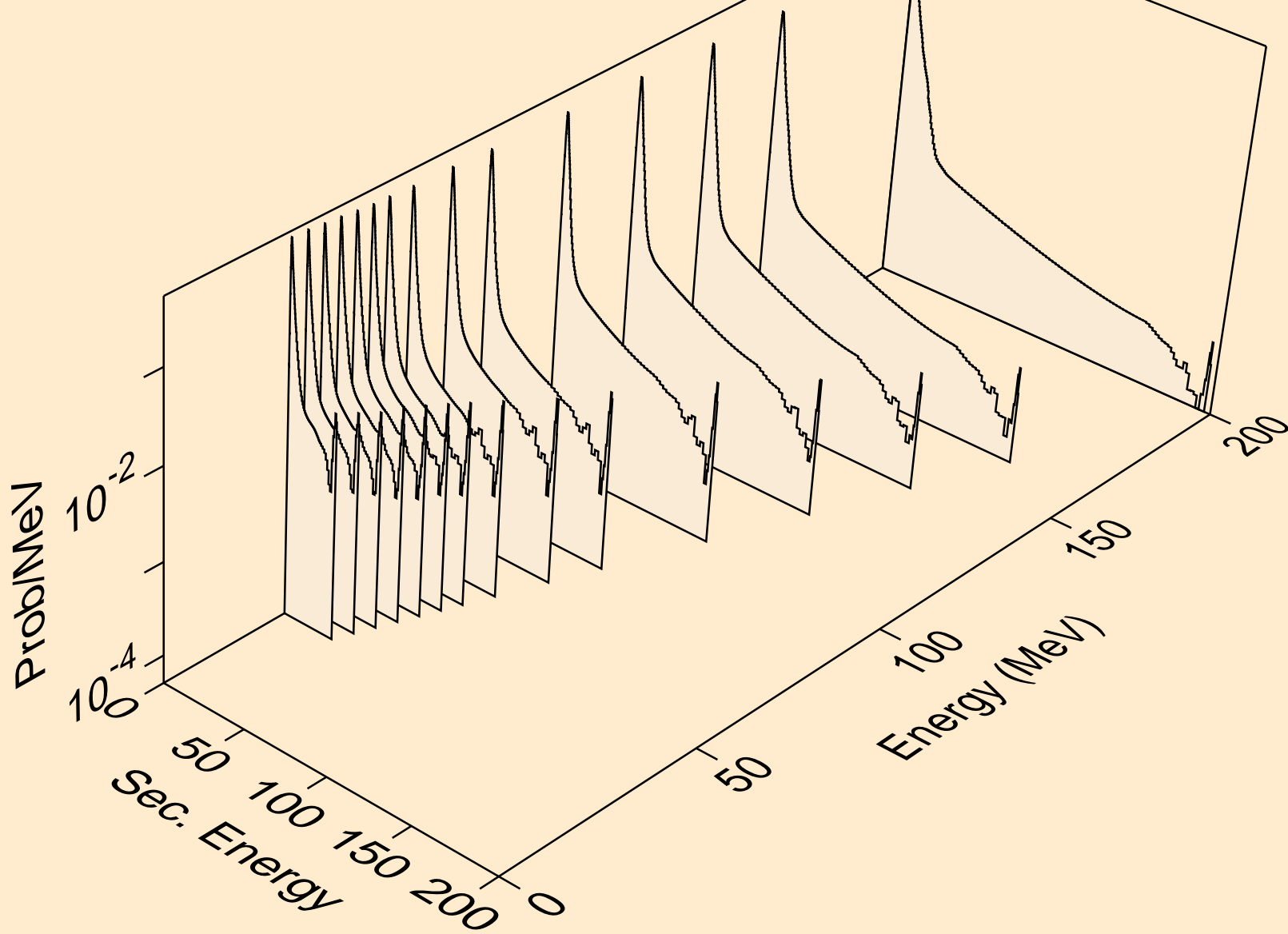
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angular distribution for (n,n\*29)



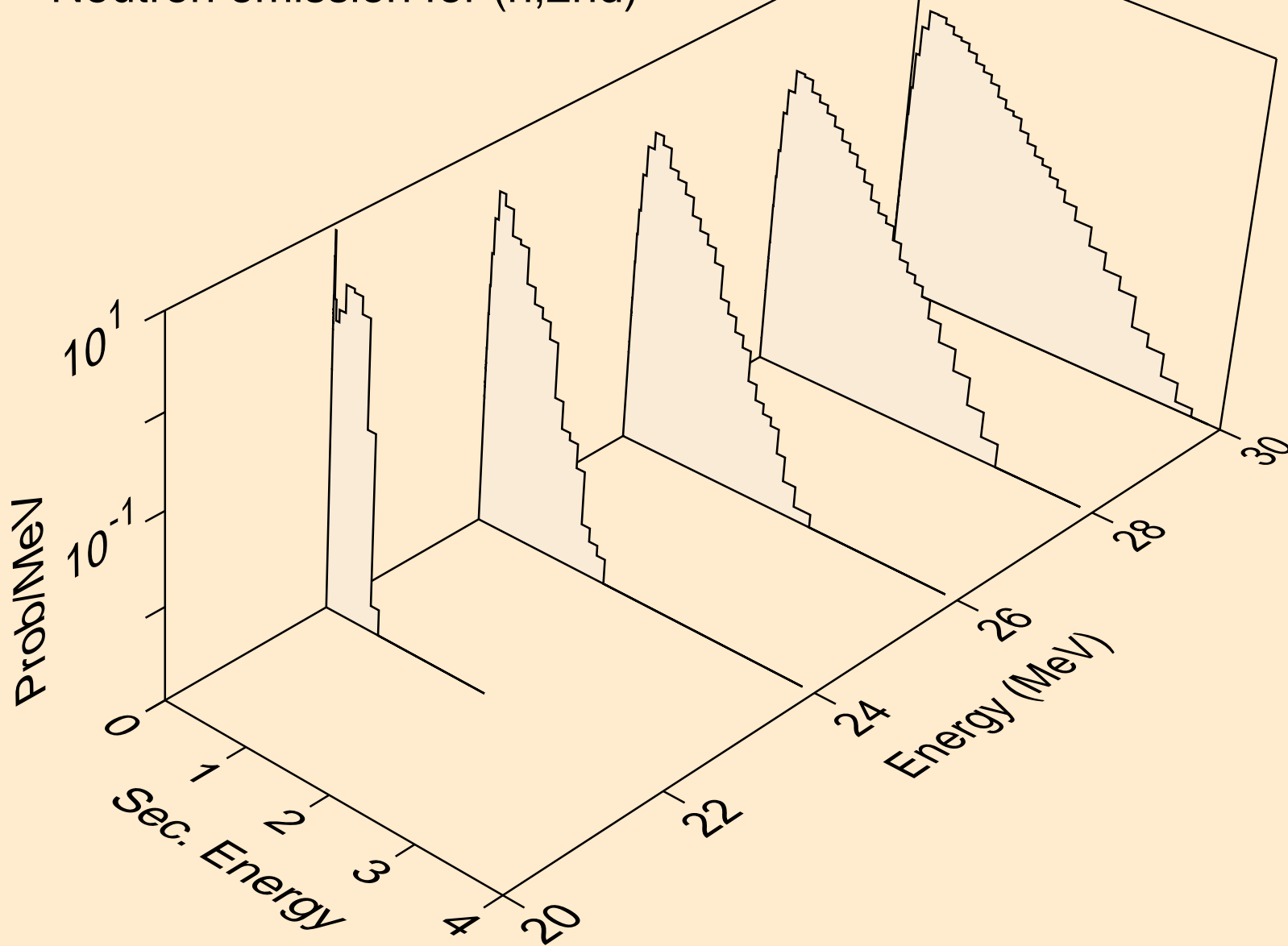
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angular distribution for (n,n\*30)



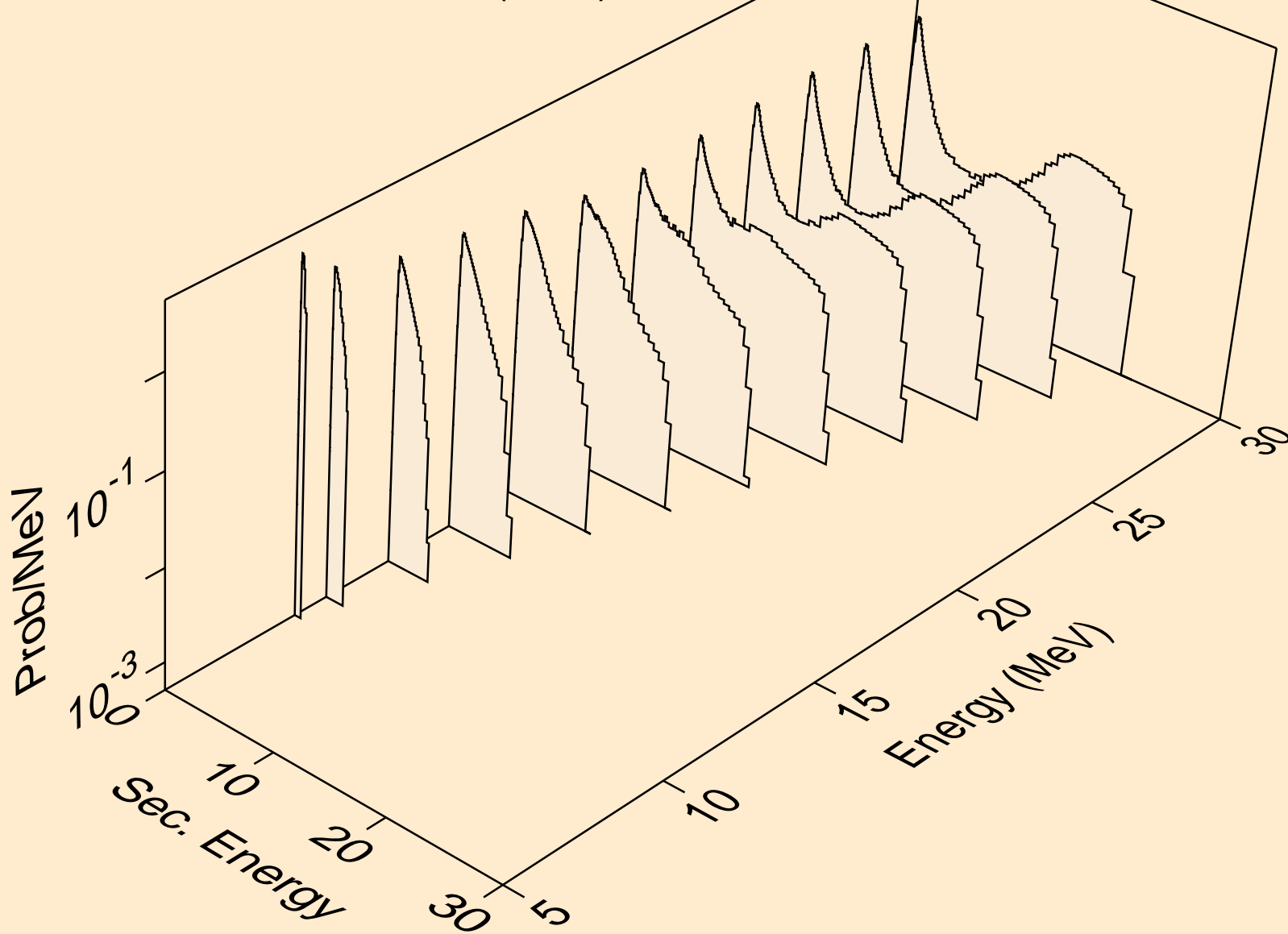
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



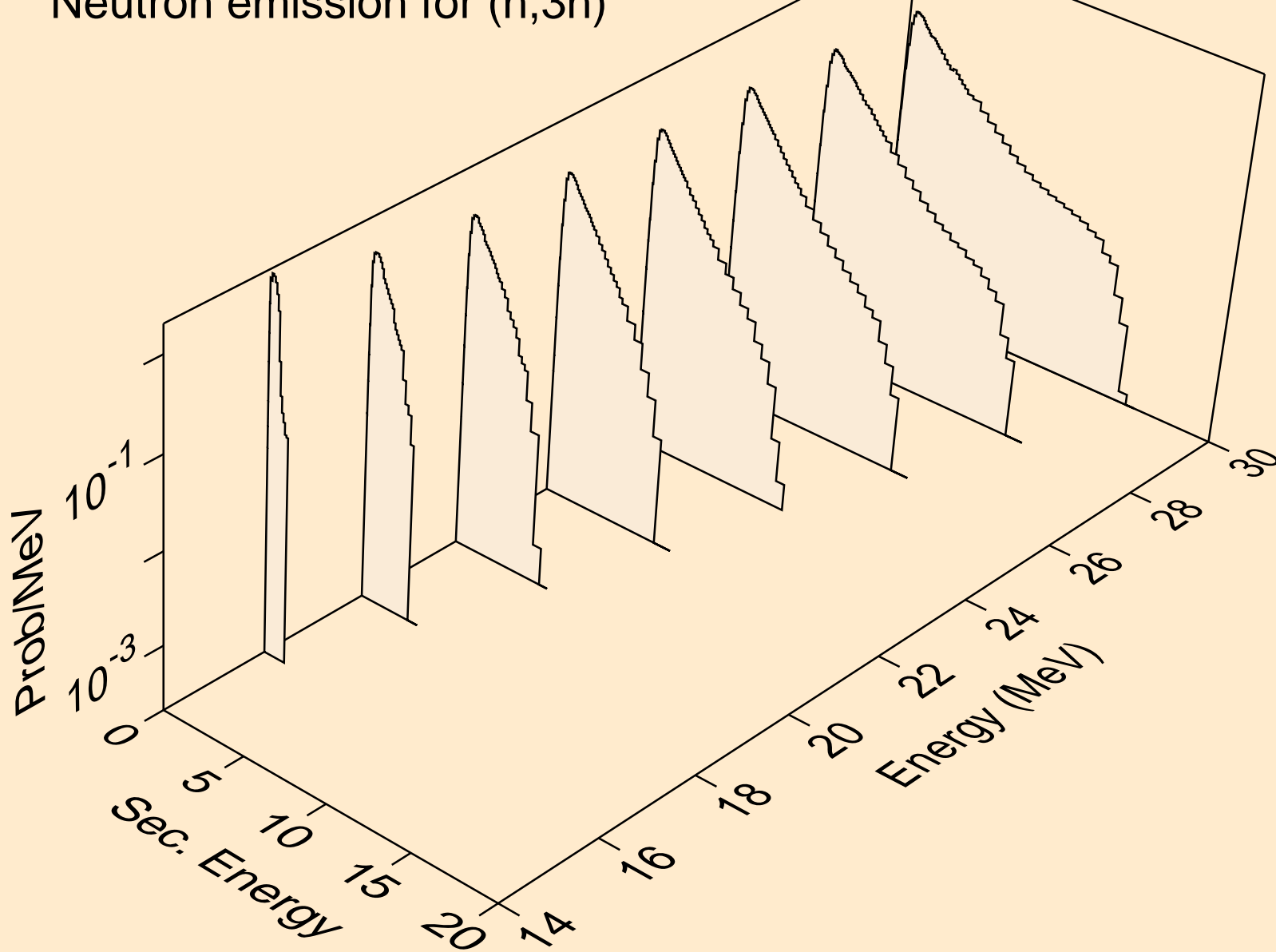
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)

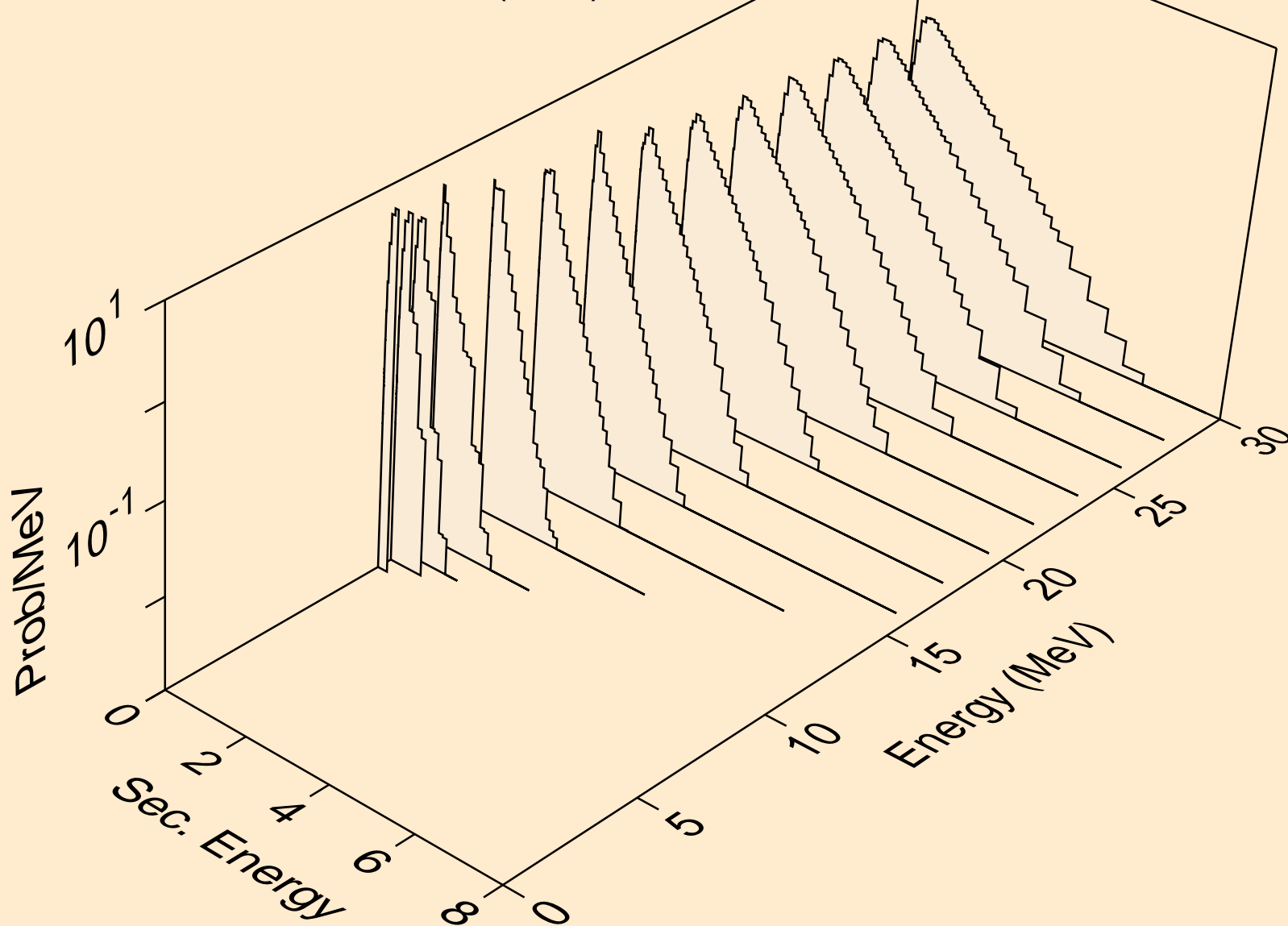


AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)

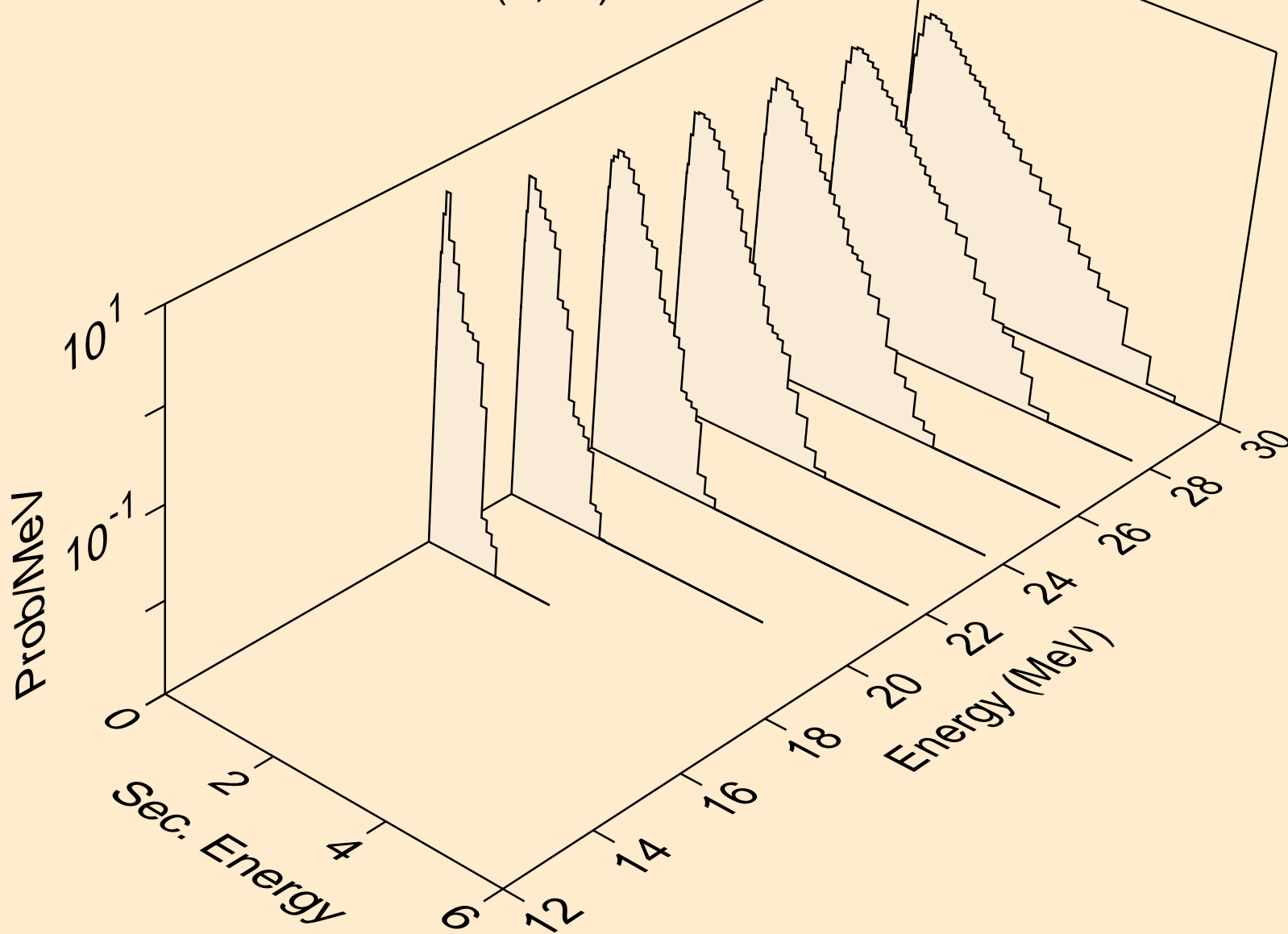




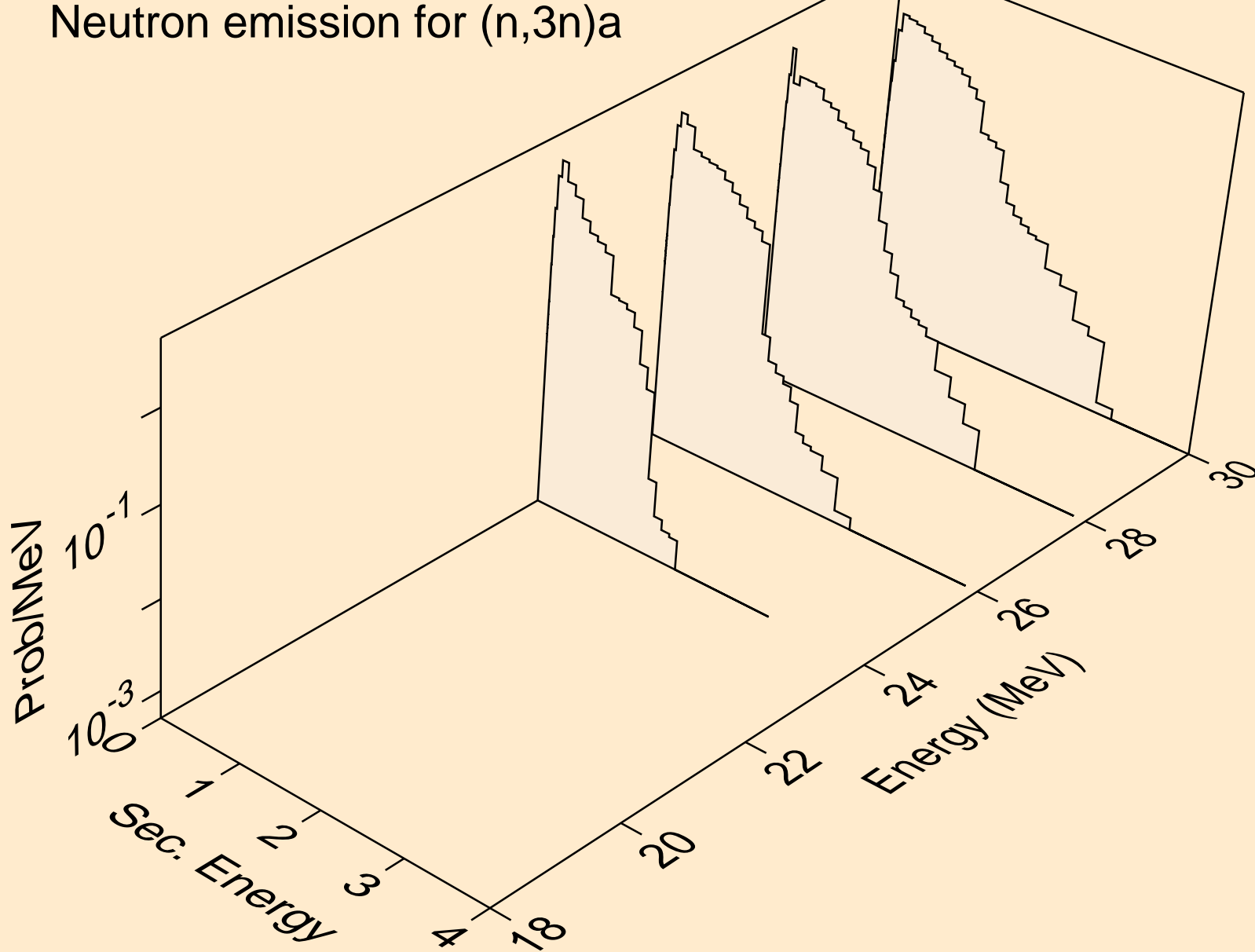
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



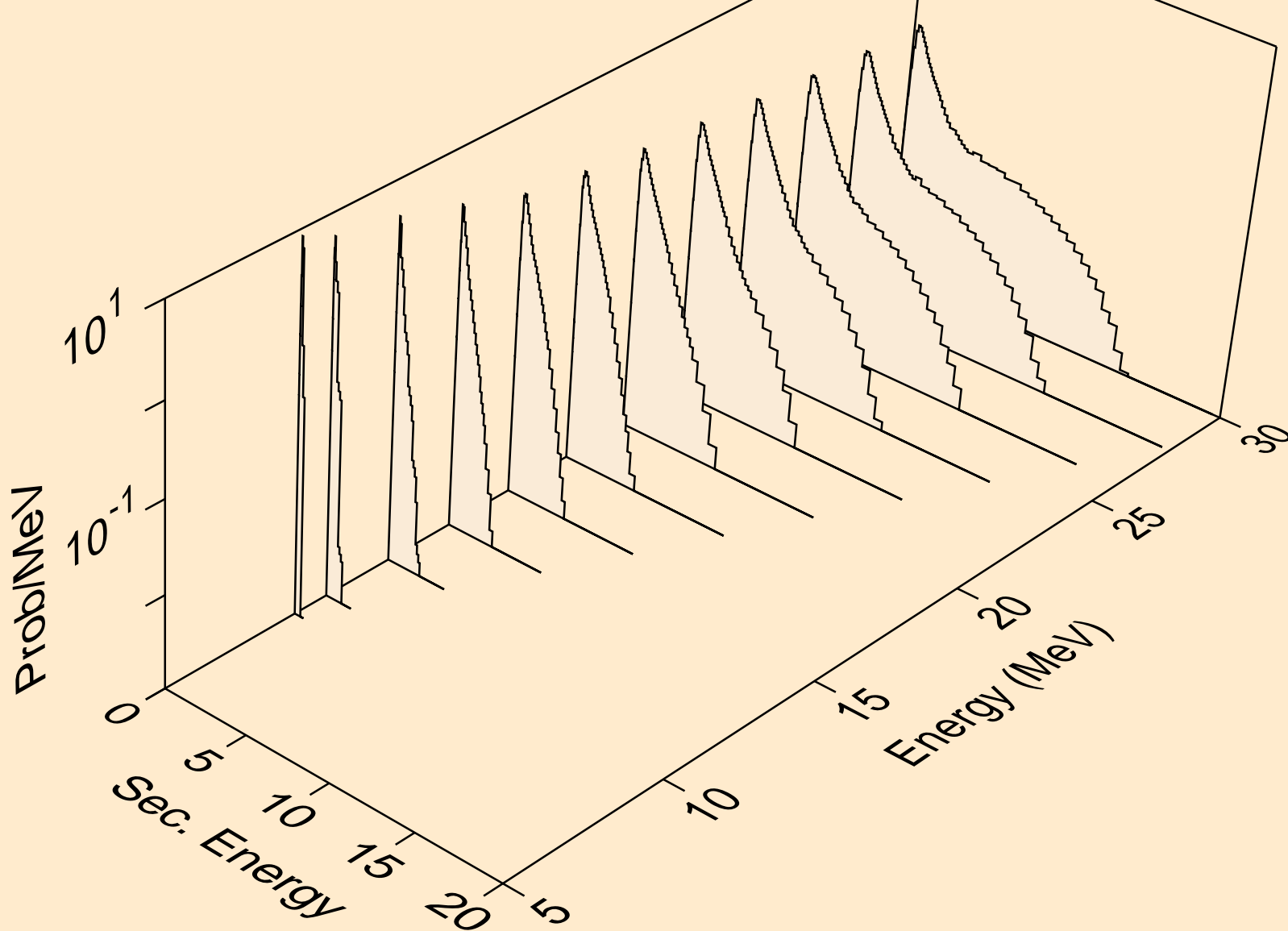
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Neutron emission for (n,2n)a



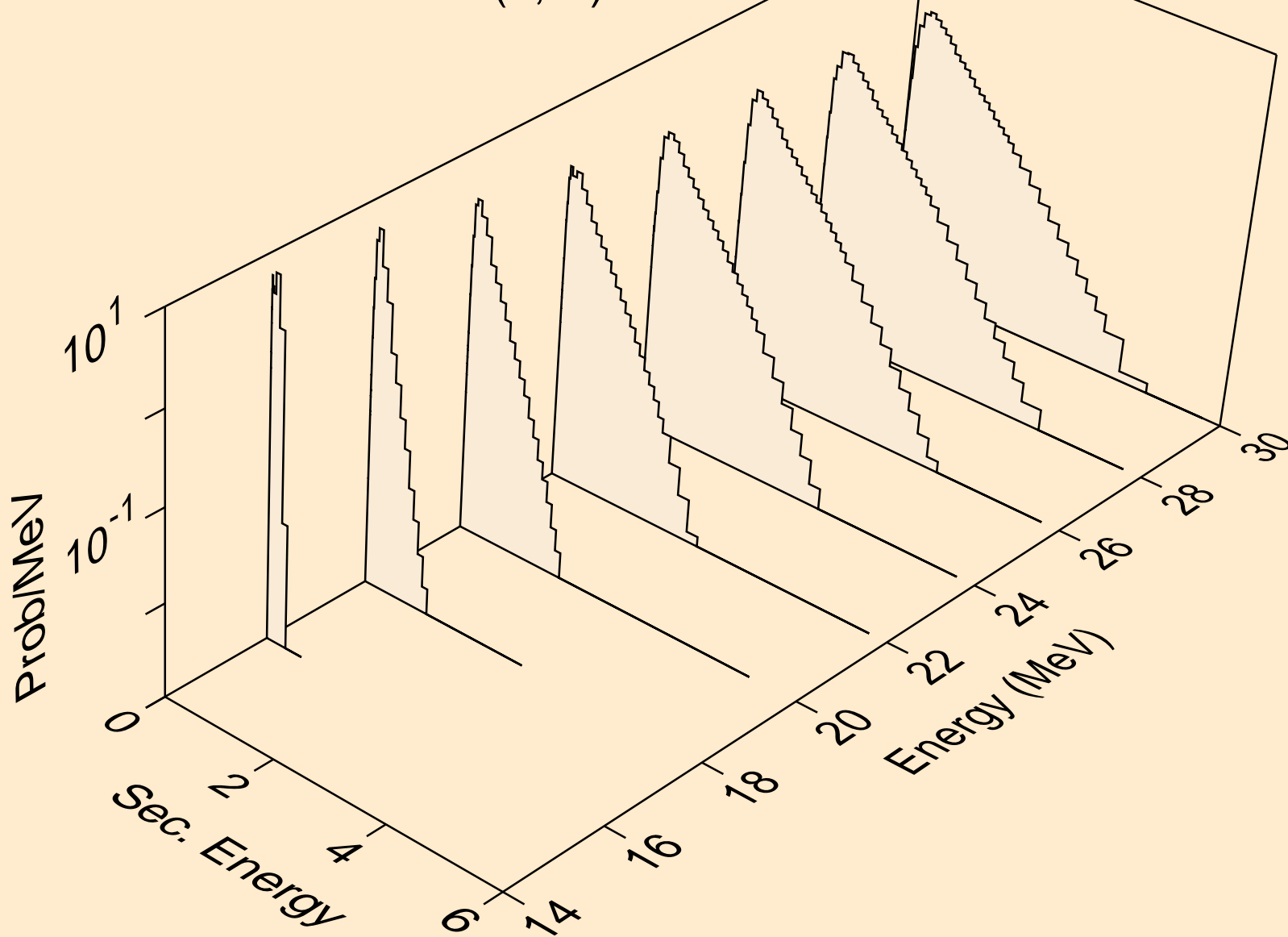
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



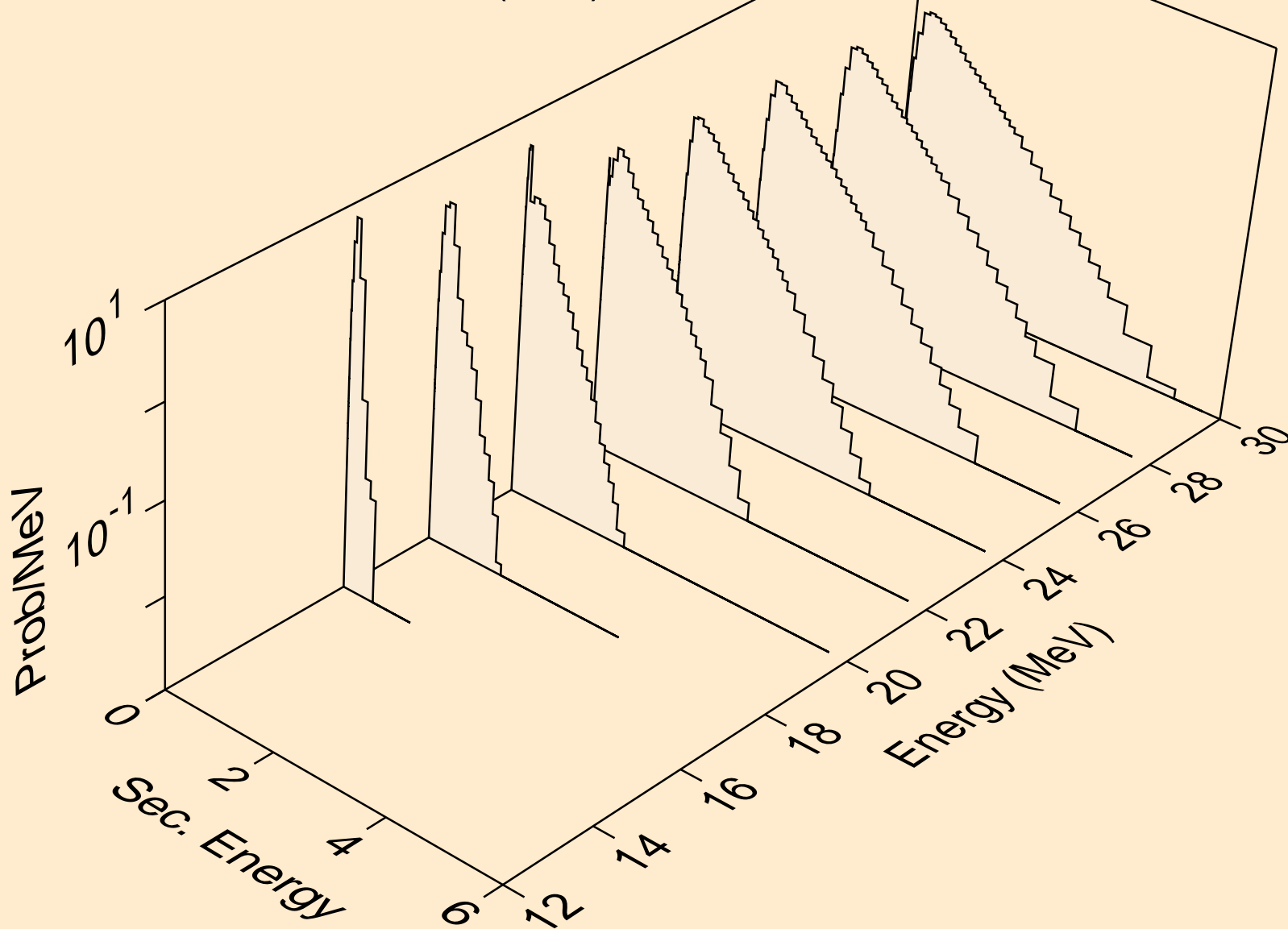
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Neutron emission for (n,n\*)p



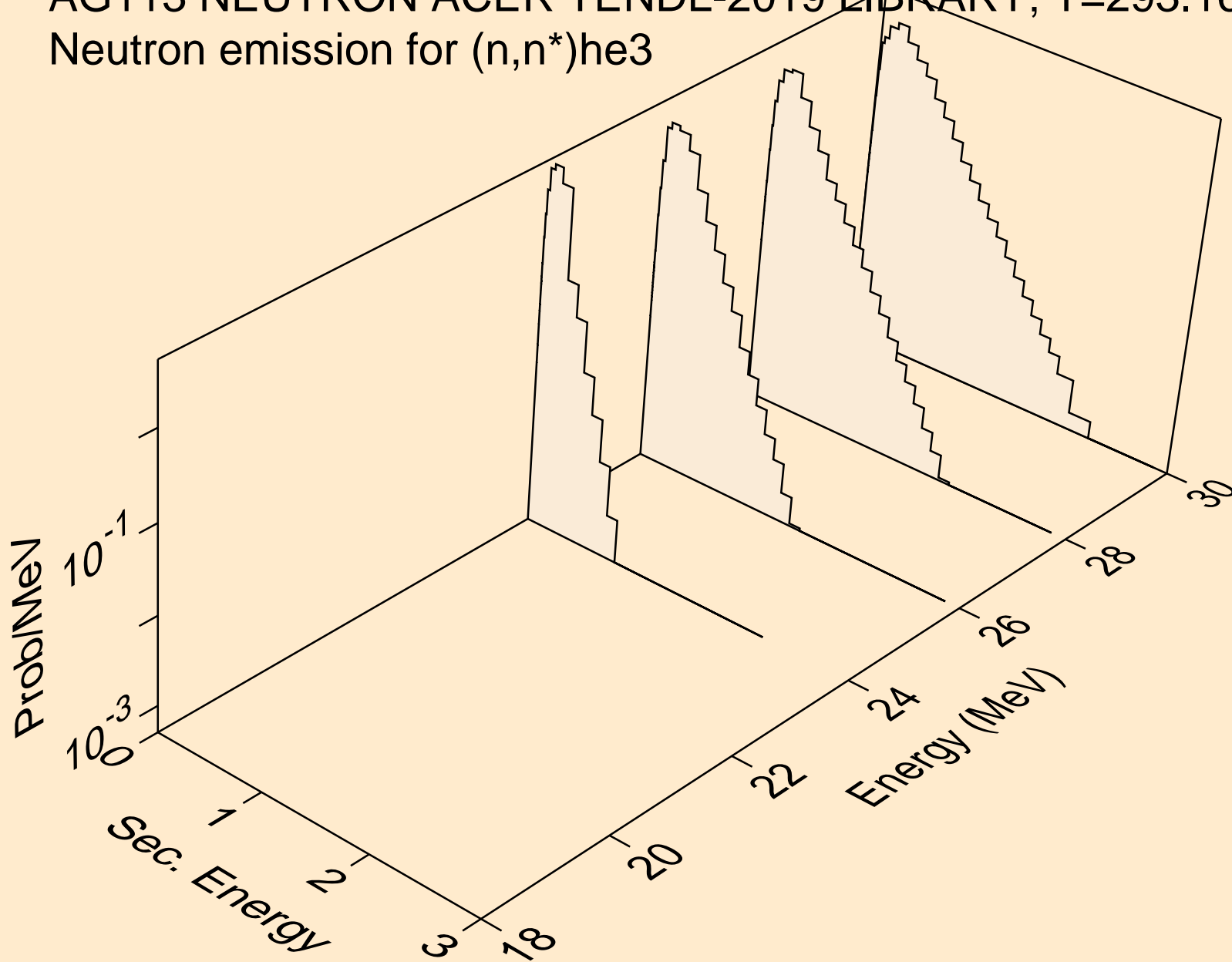
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



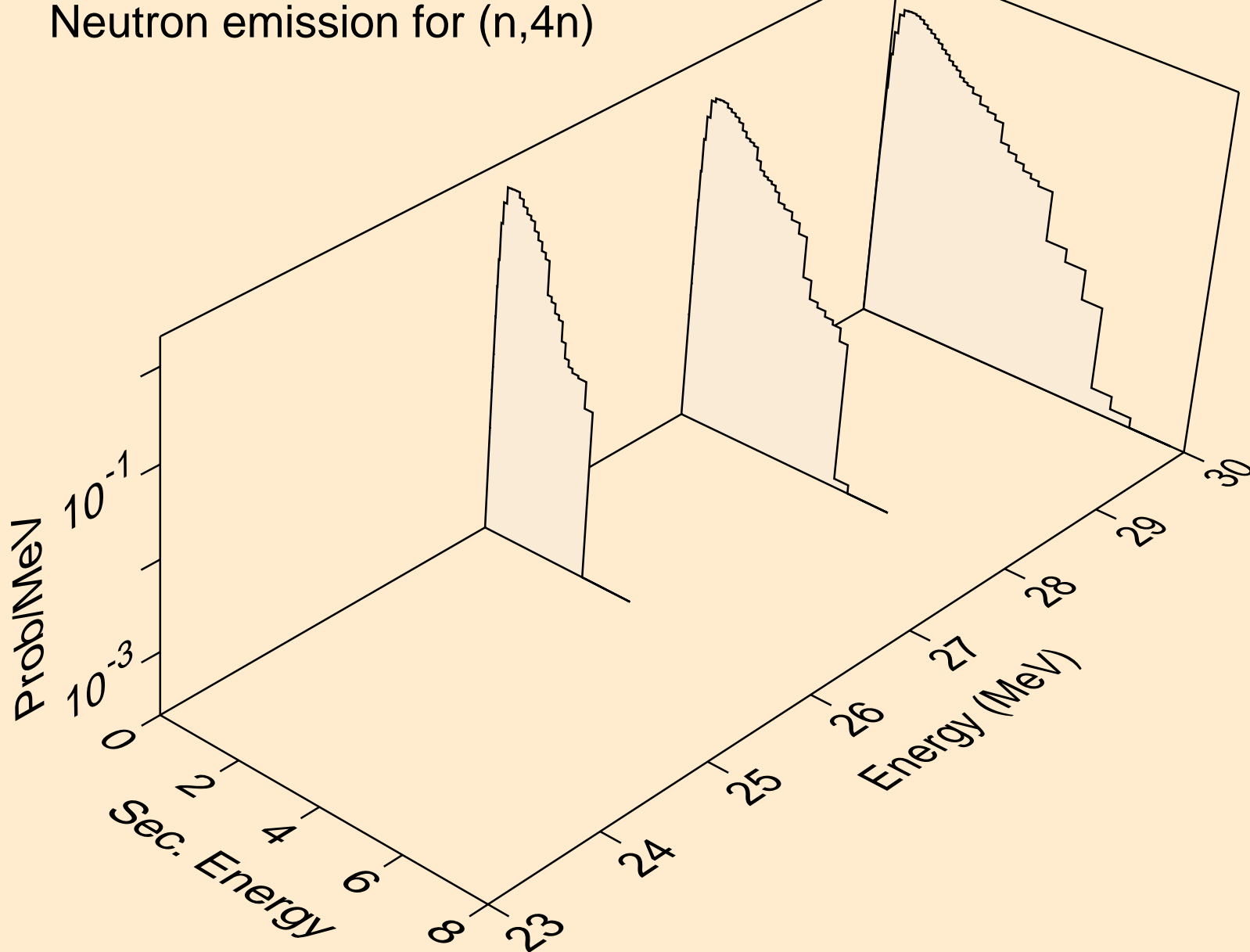
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3

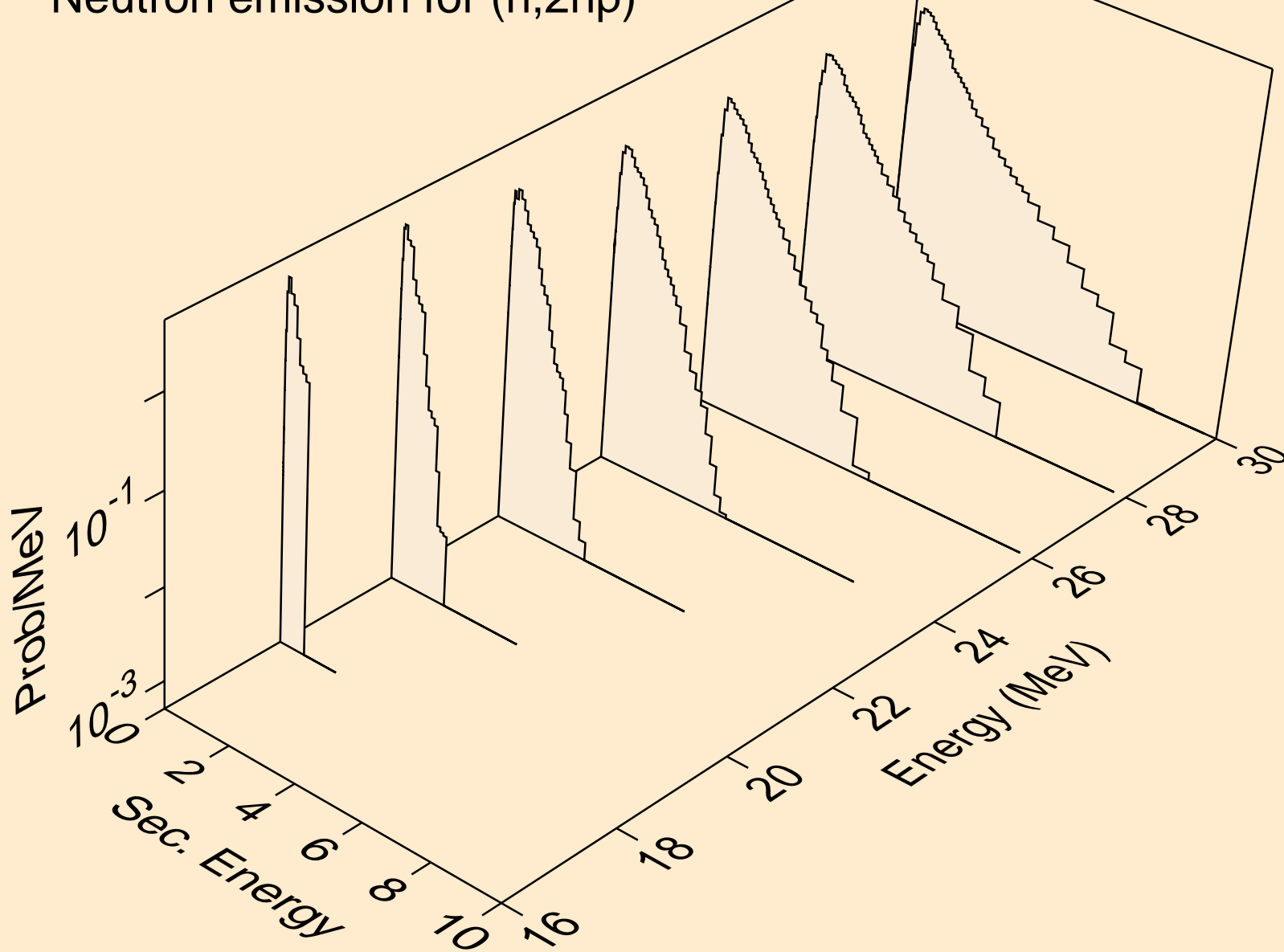


AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)

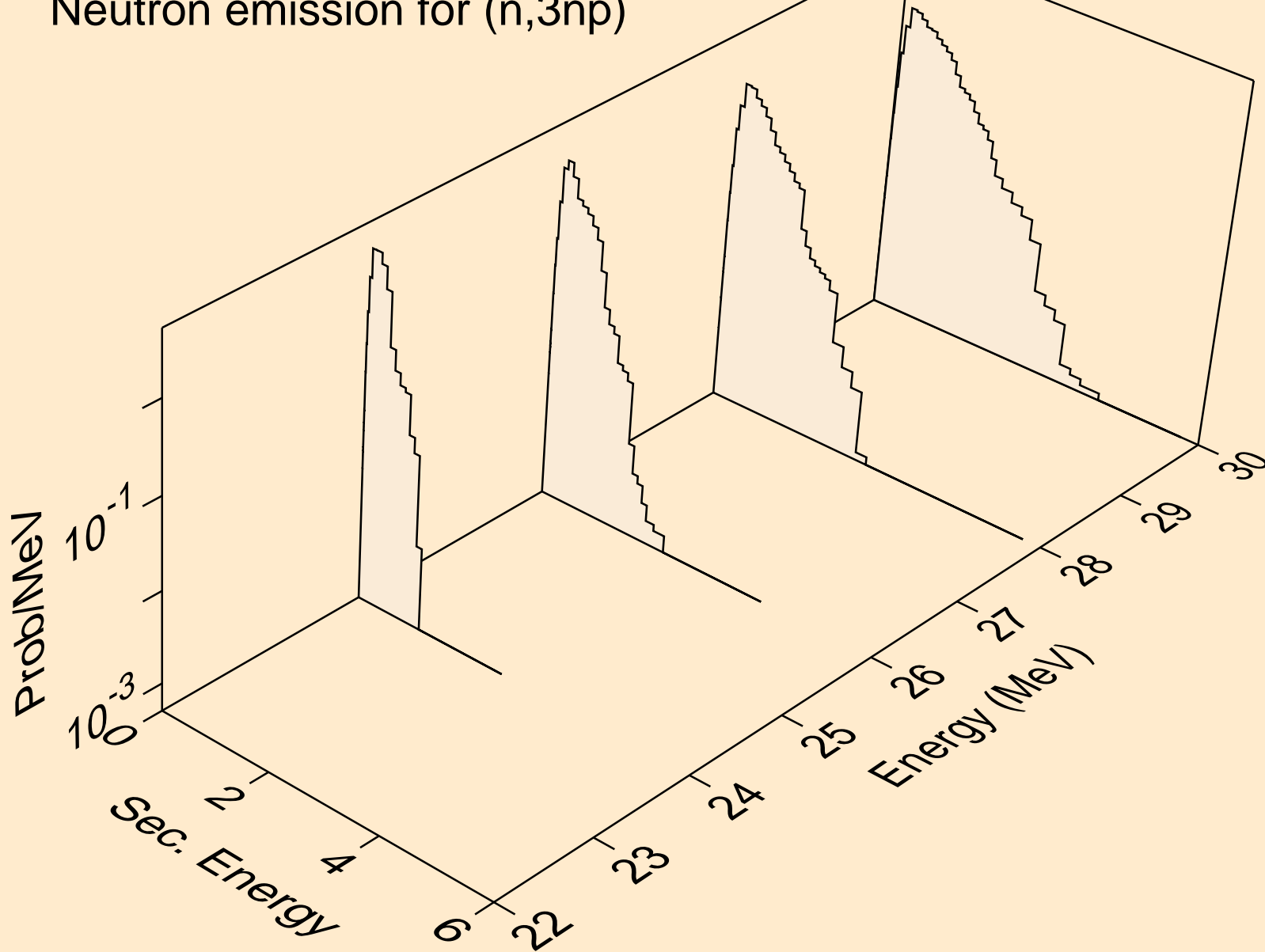




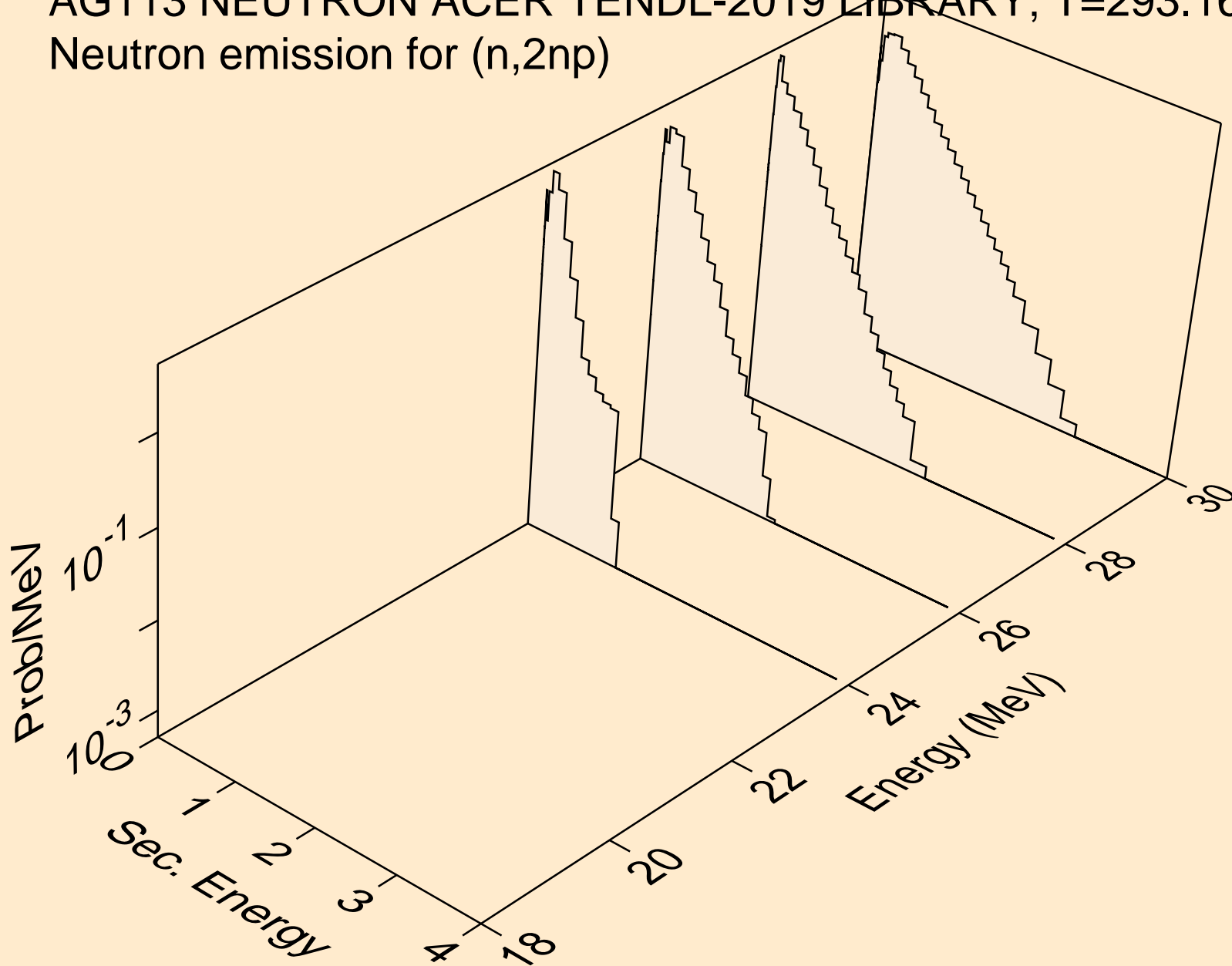
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



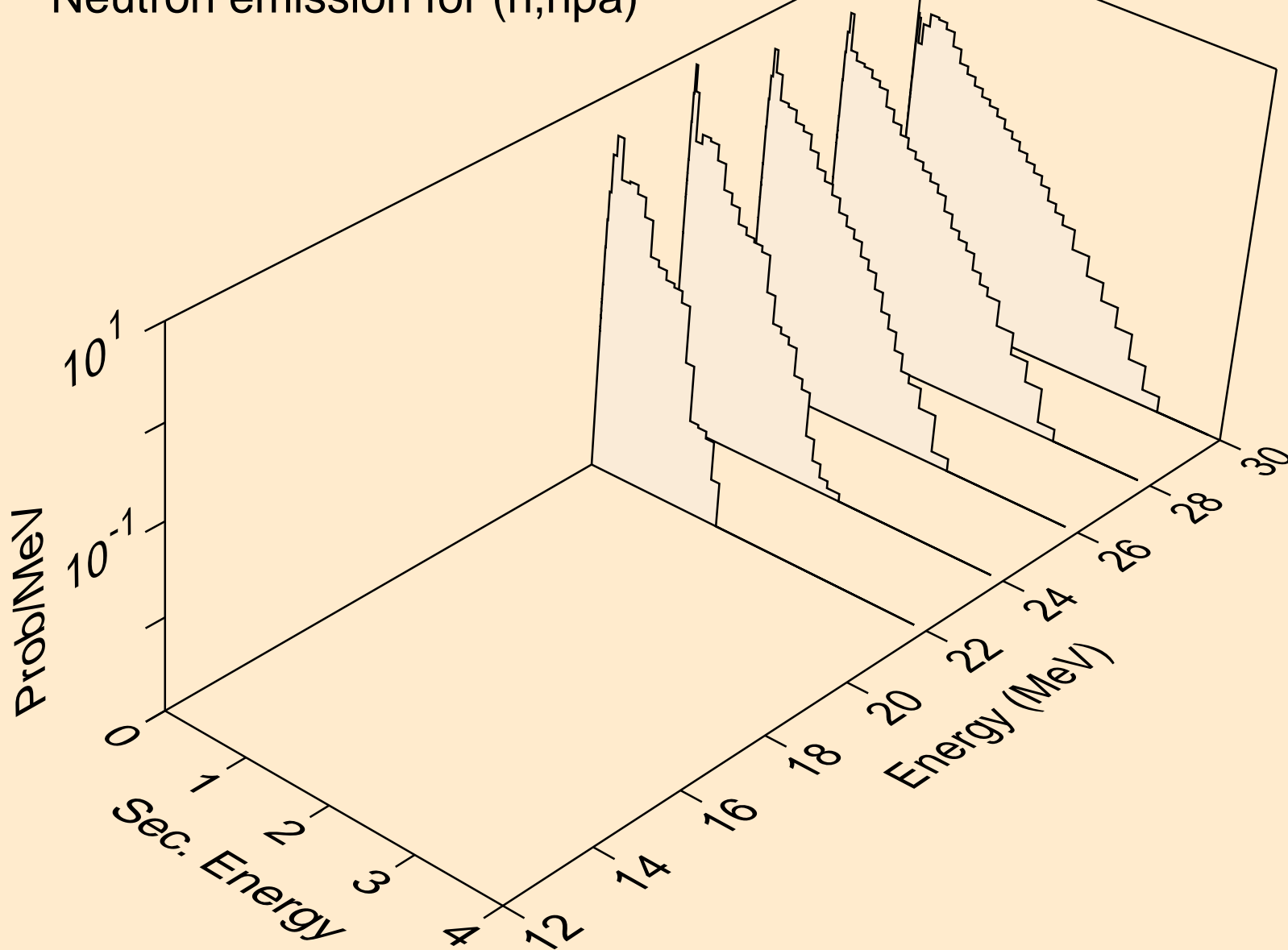
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Neutron emission for (n,3np)



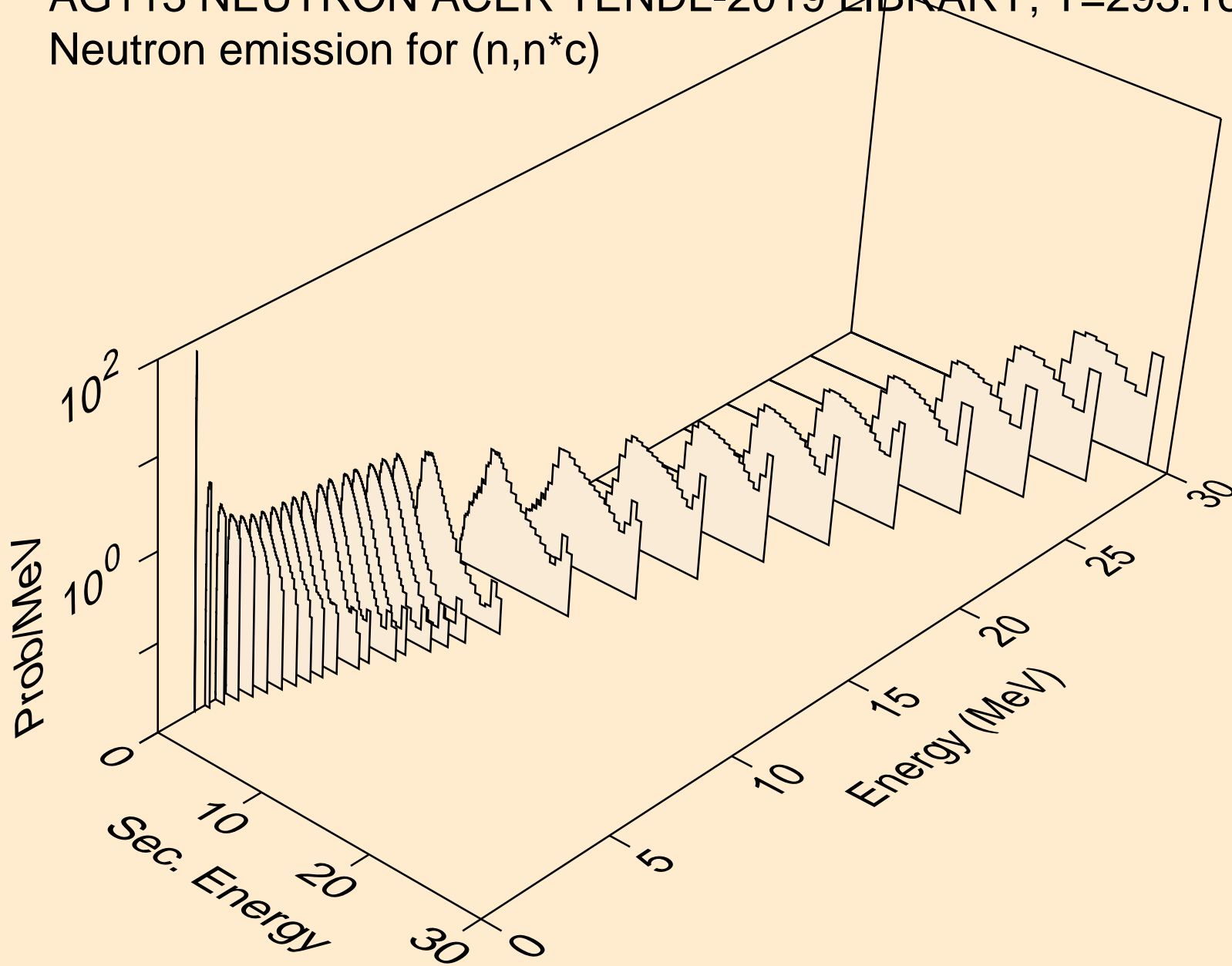
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Neutron emission for (n,2np)



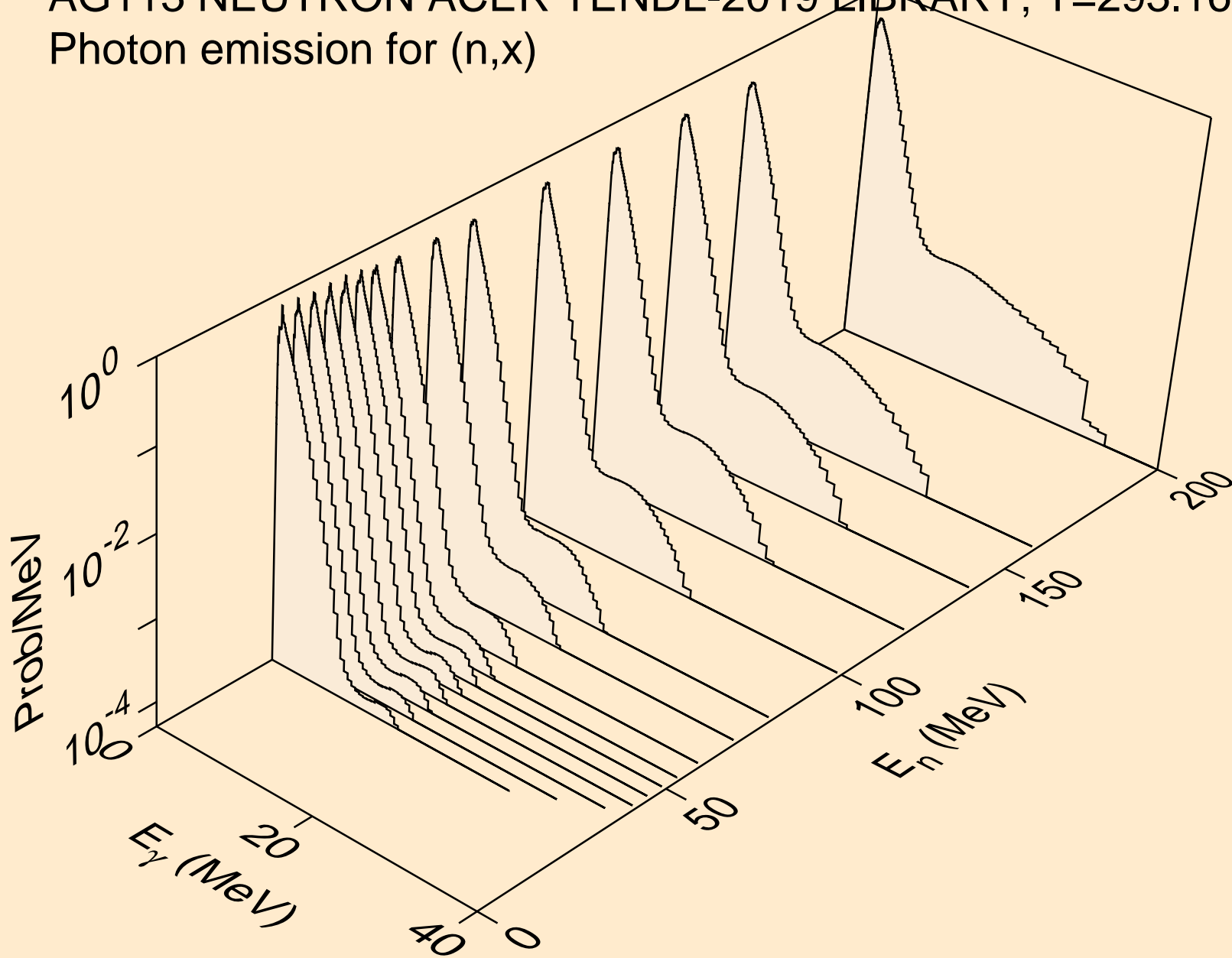
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)



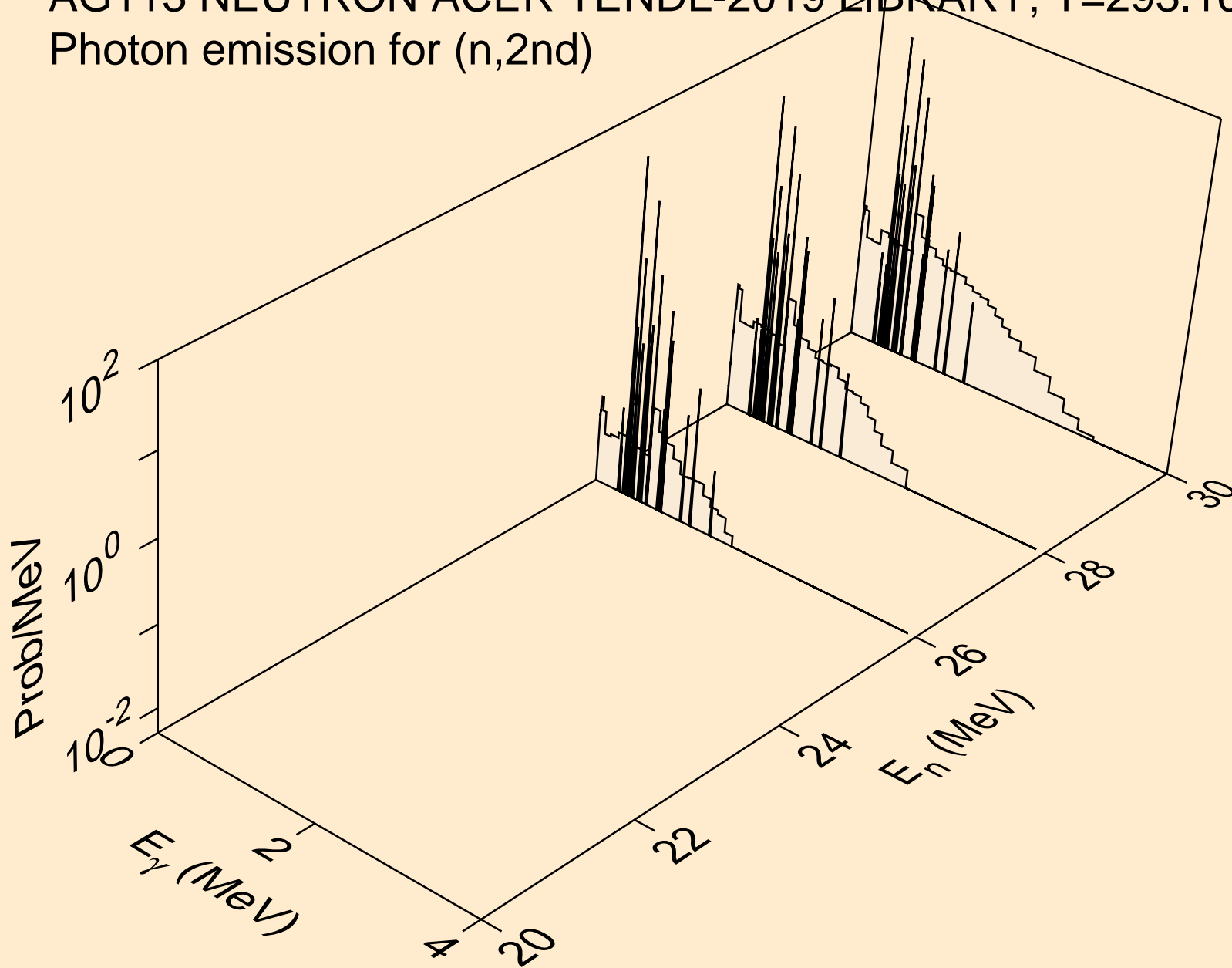
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



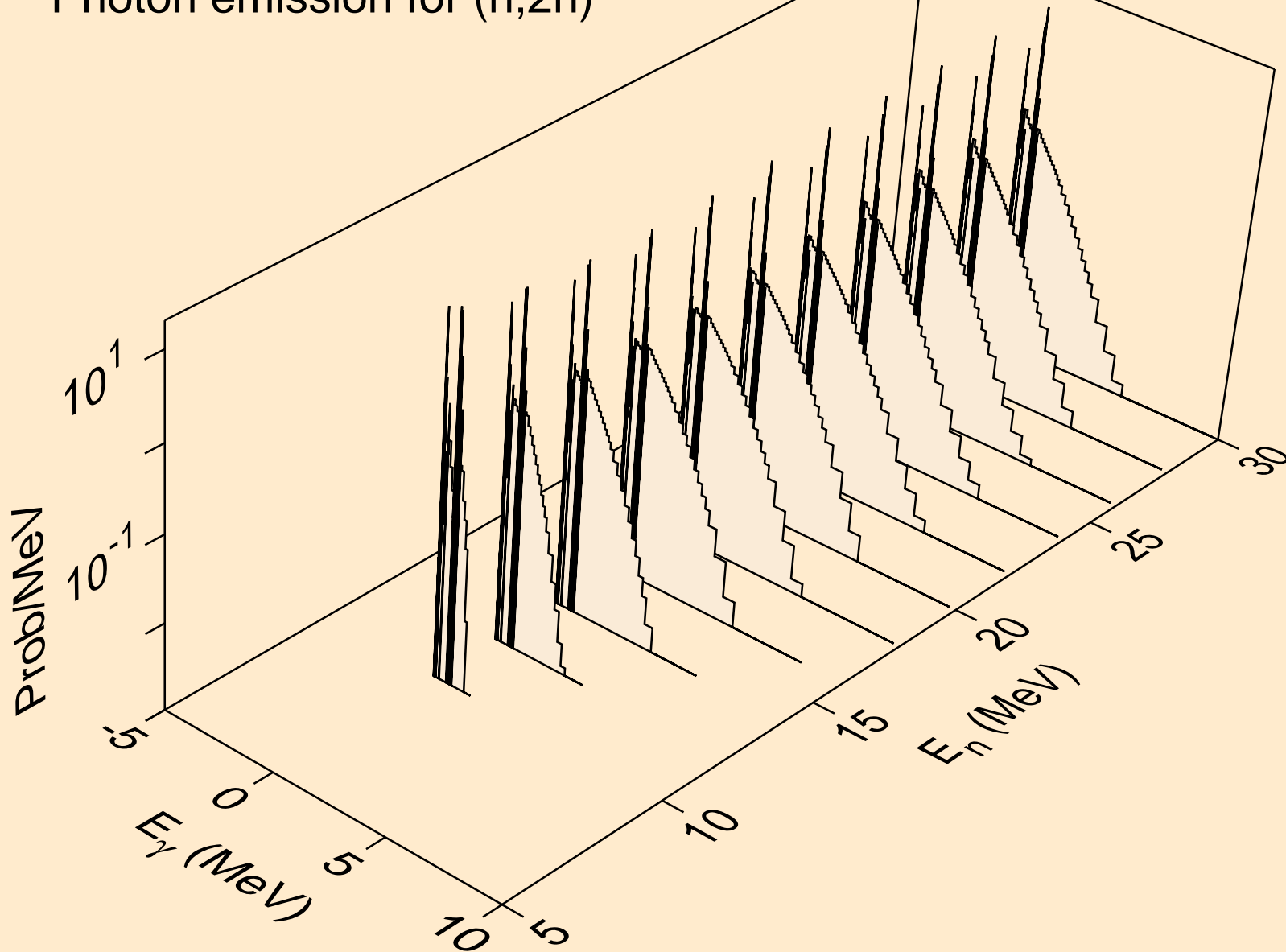
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)

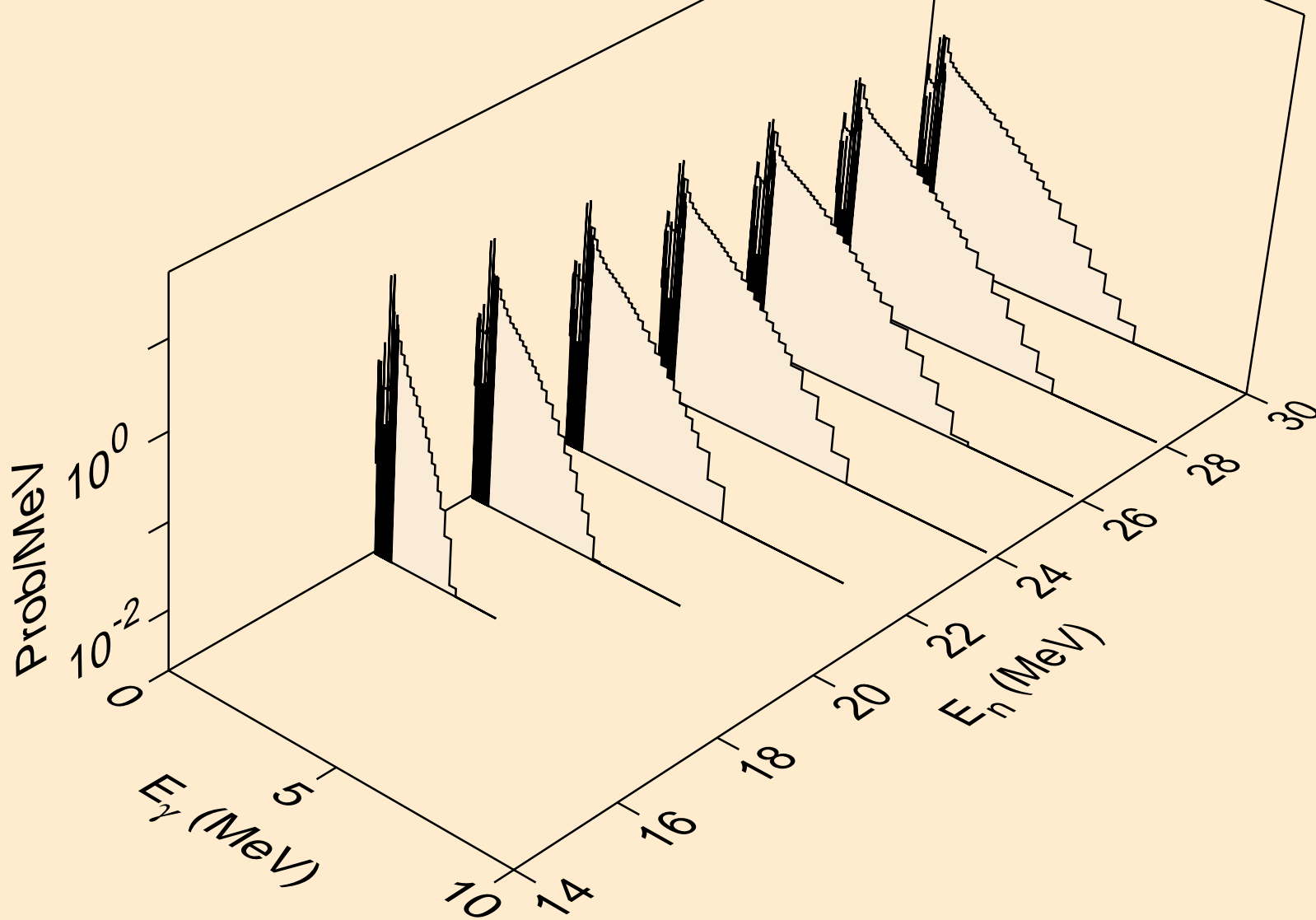


AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)

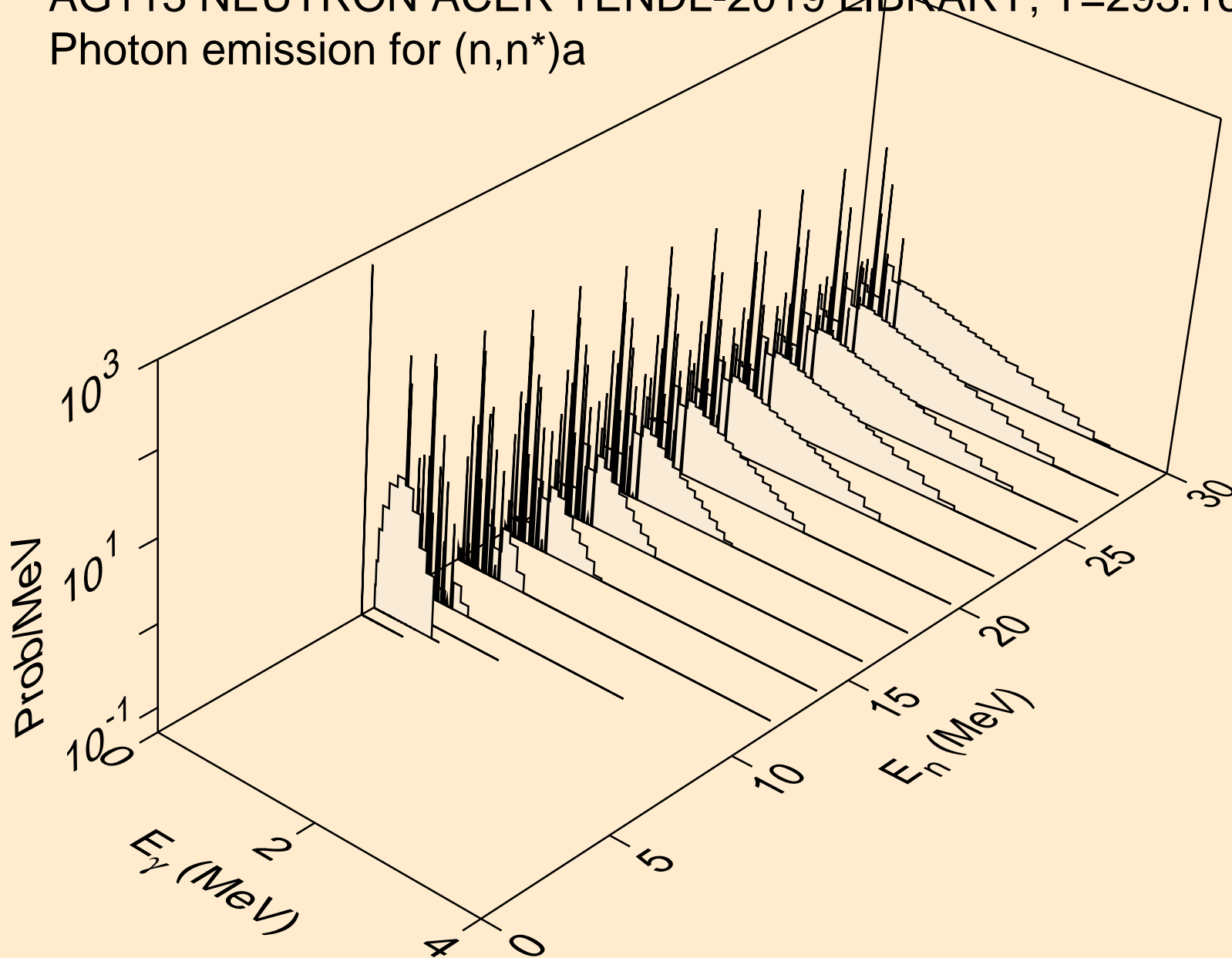




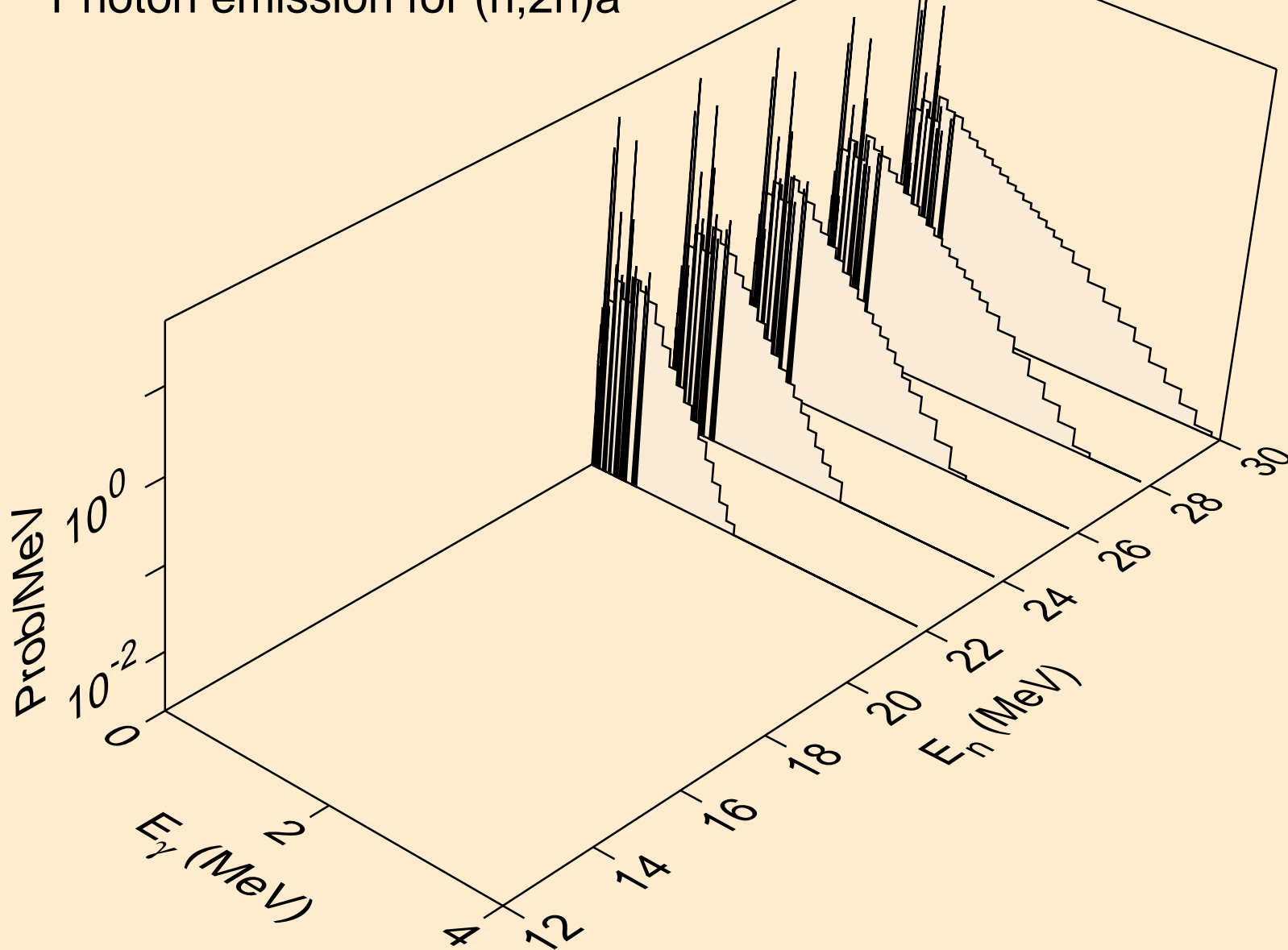
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Photon emission for (n,3n)



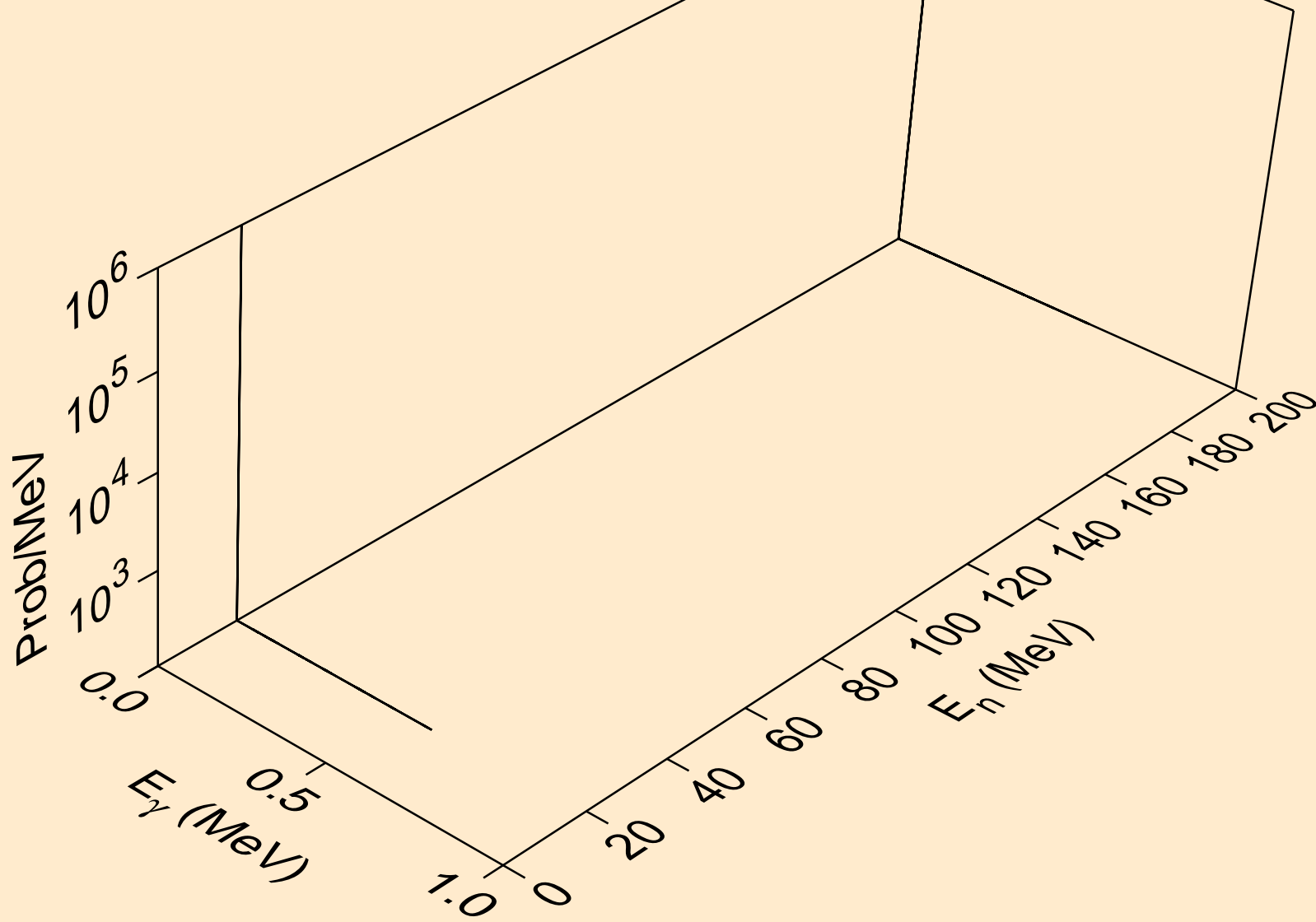
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a



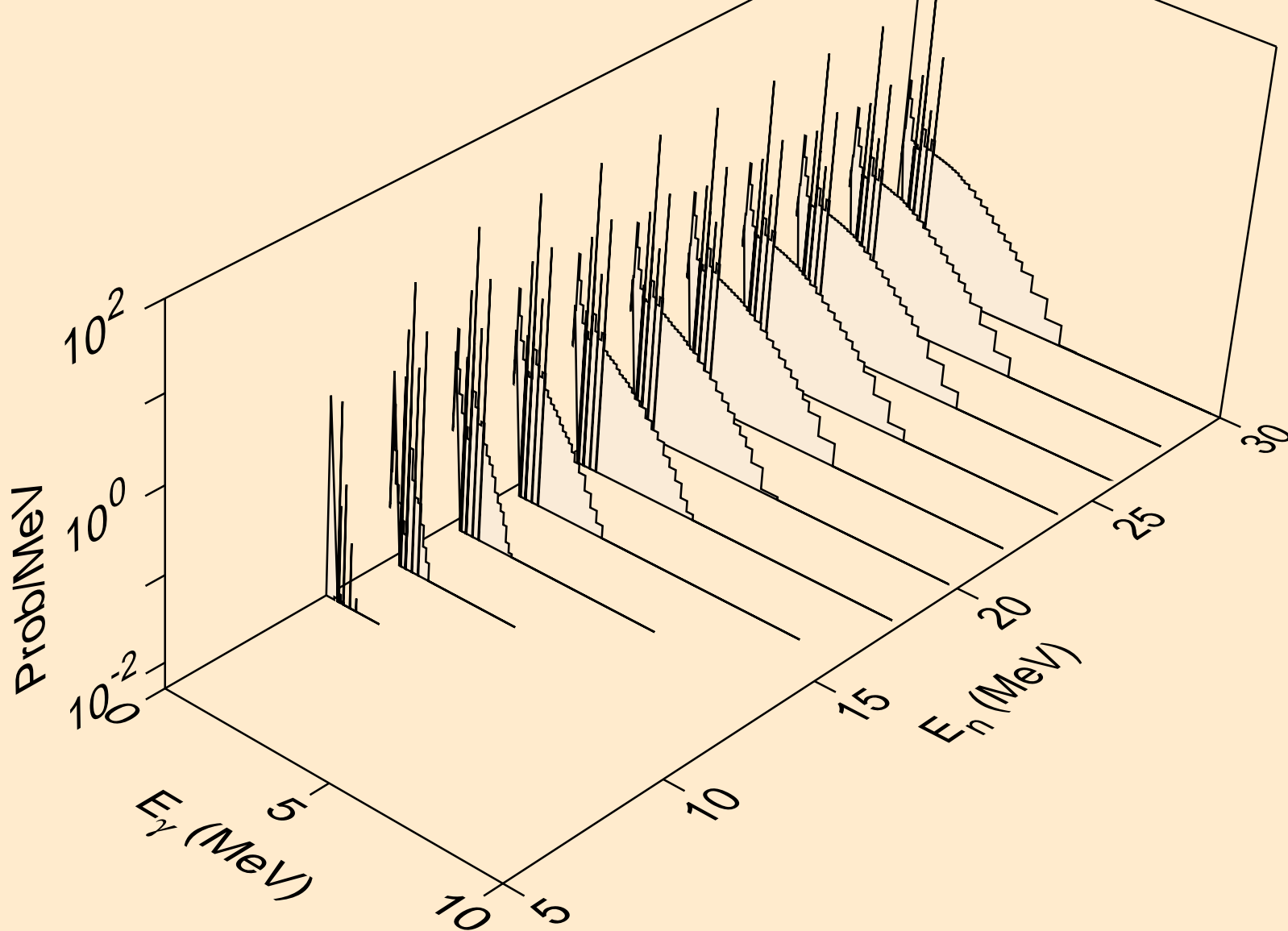
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a



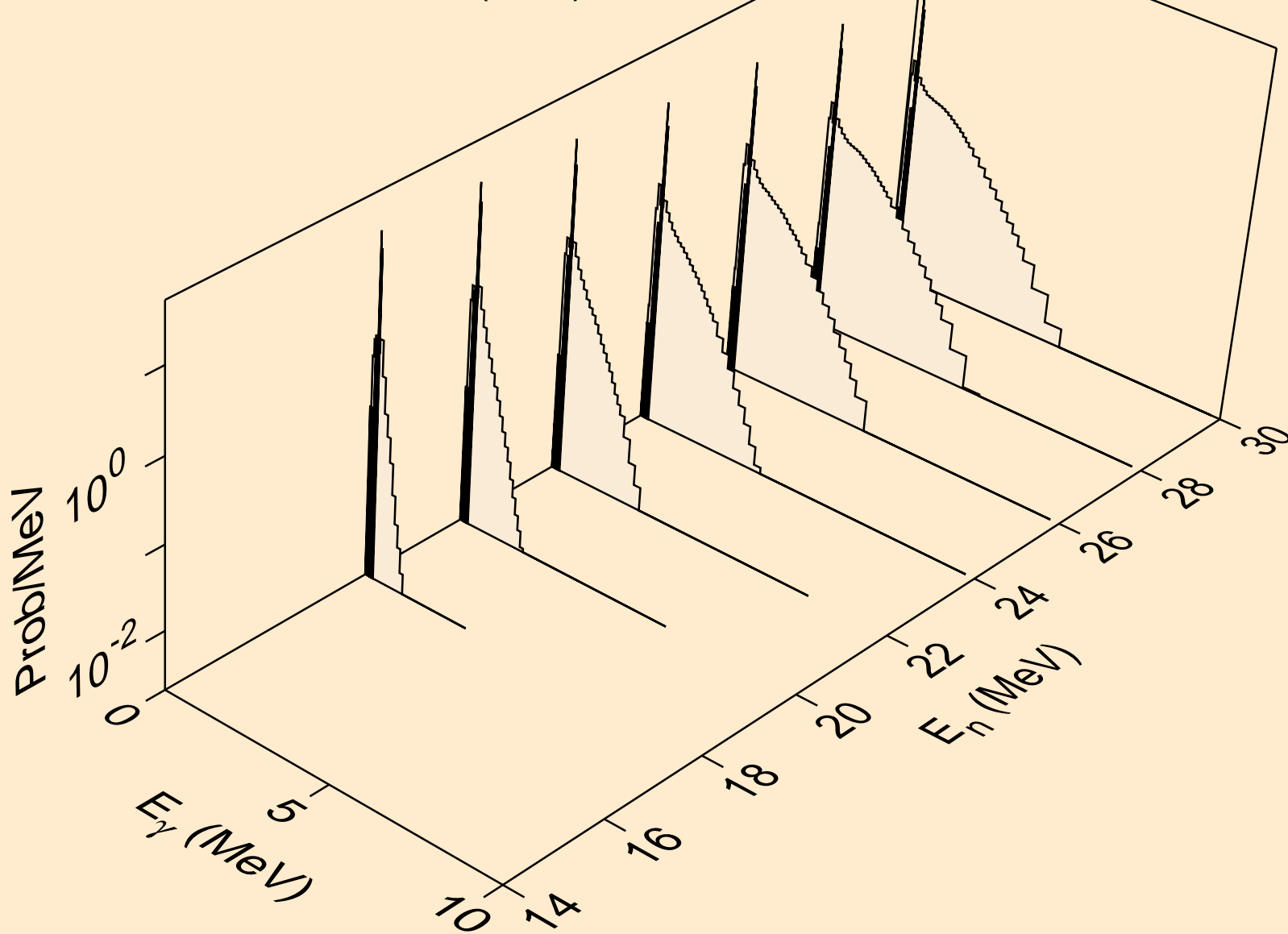
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Photon emission for (n,3n)a



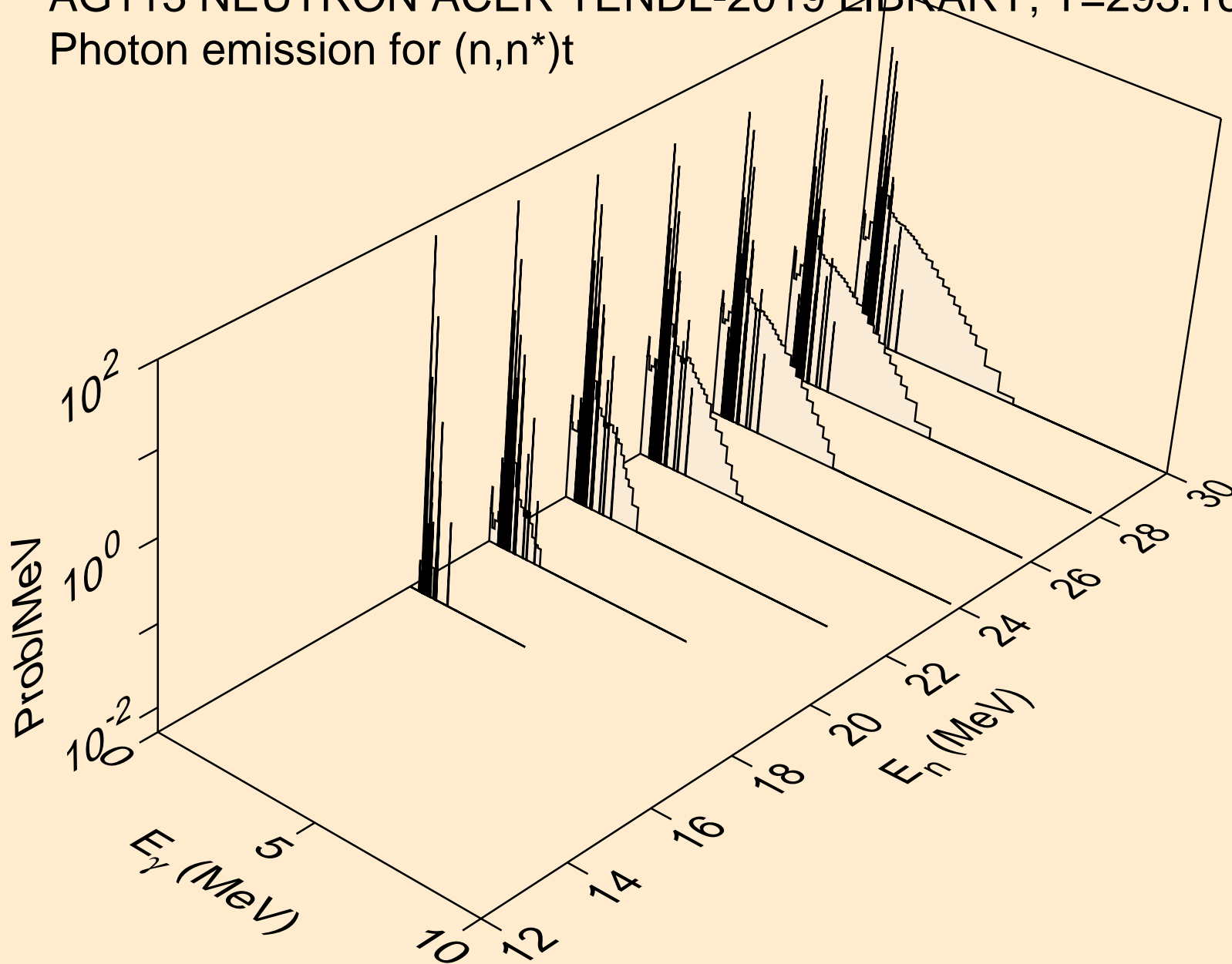
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Photon emission for (n,n\*)p



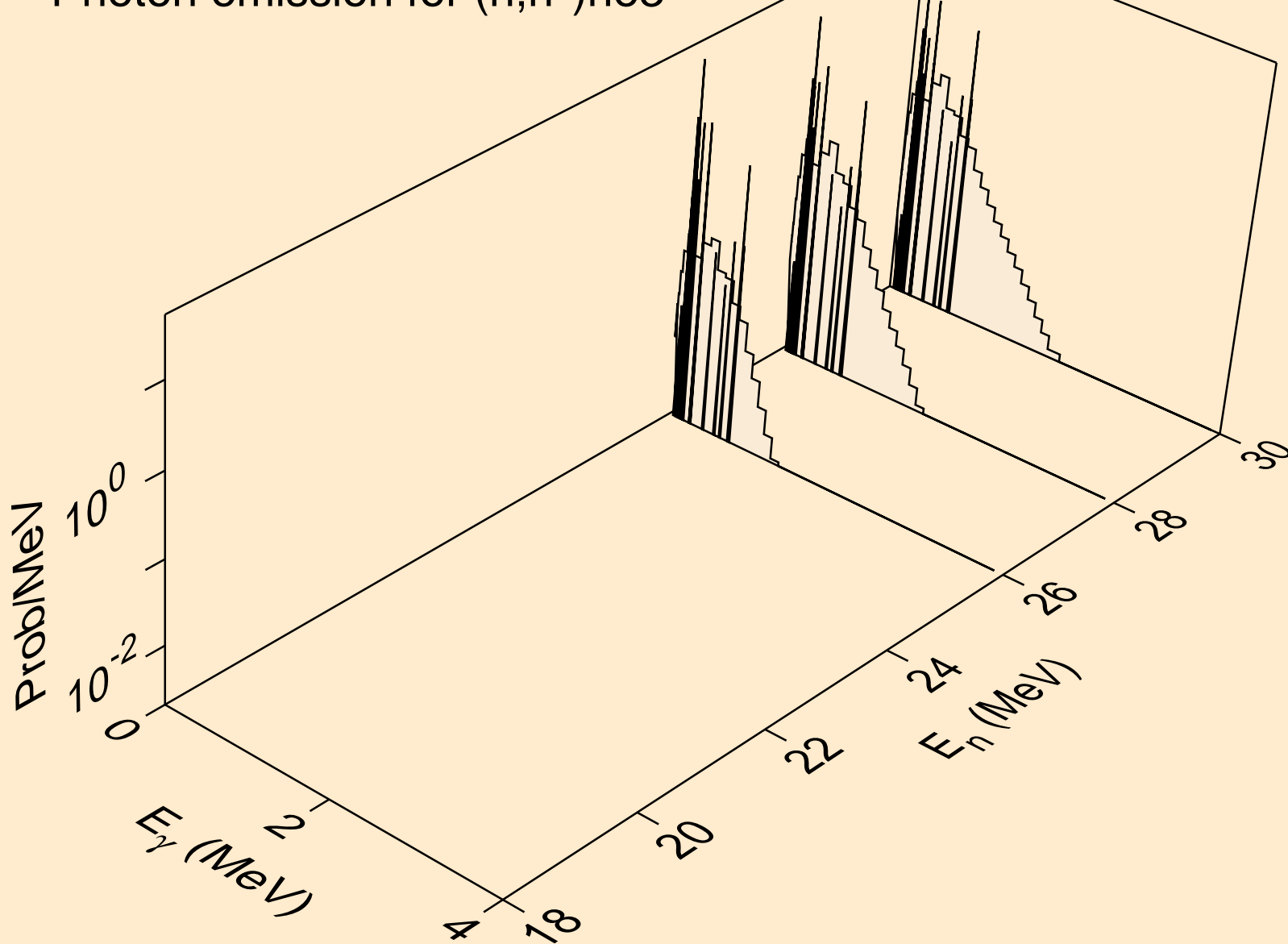
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d



AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t

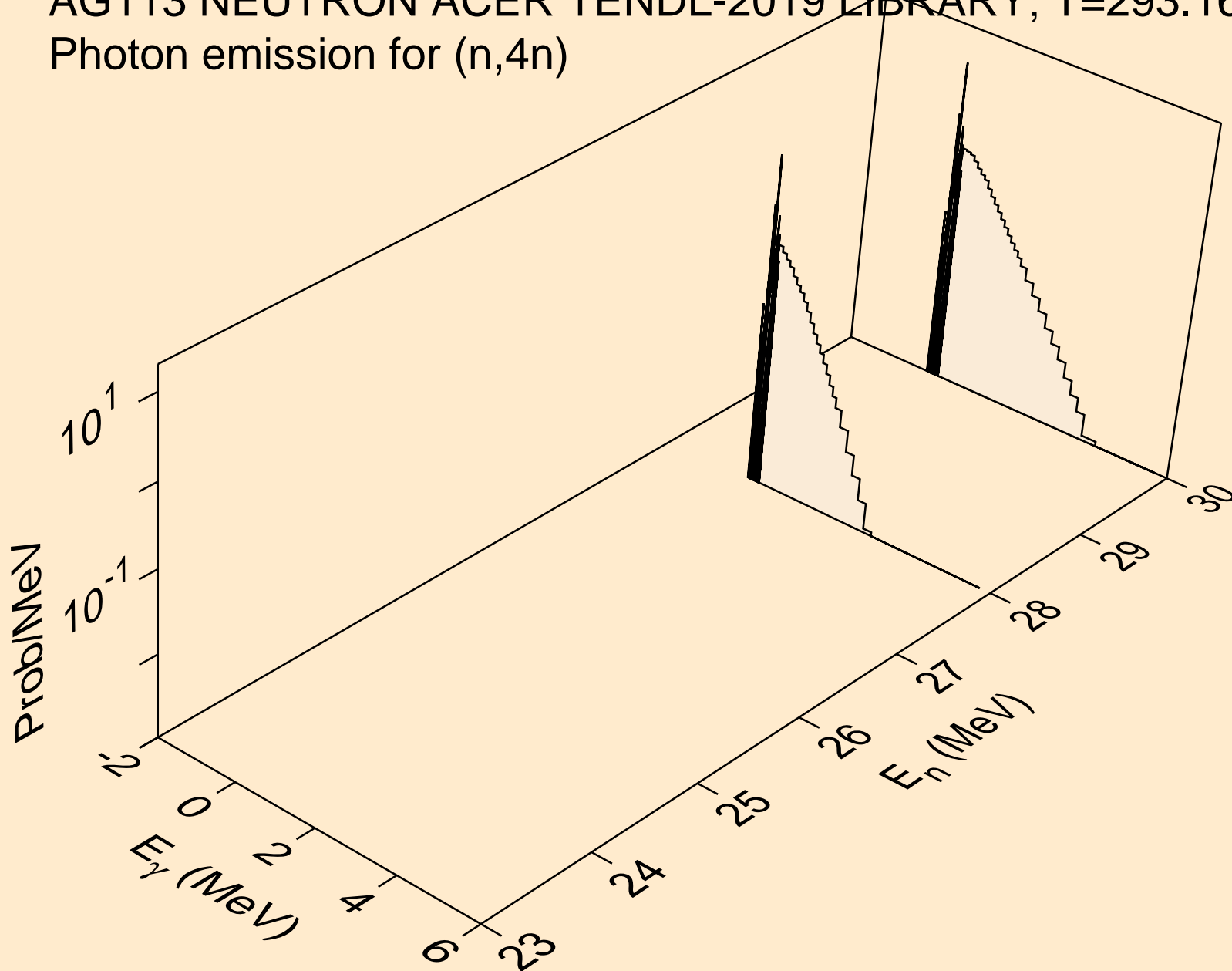


AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3

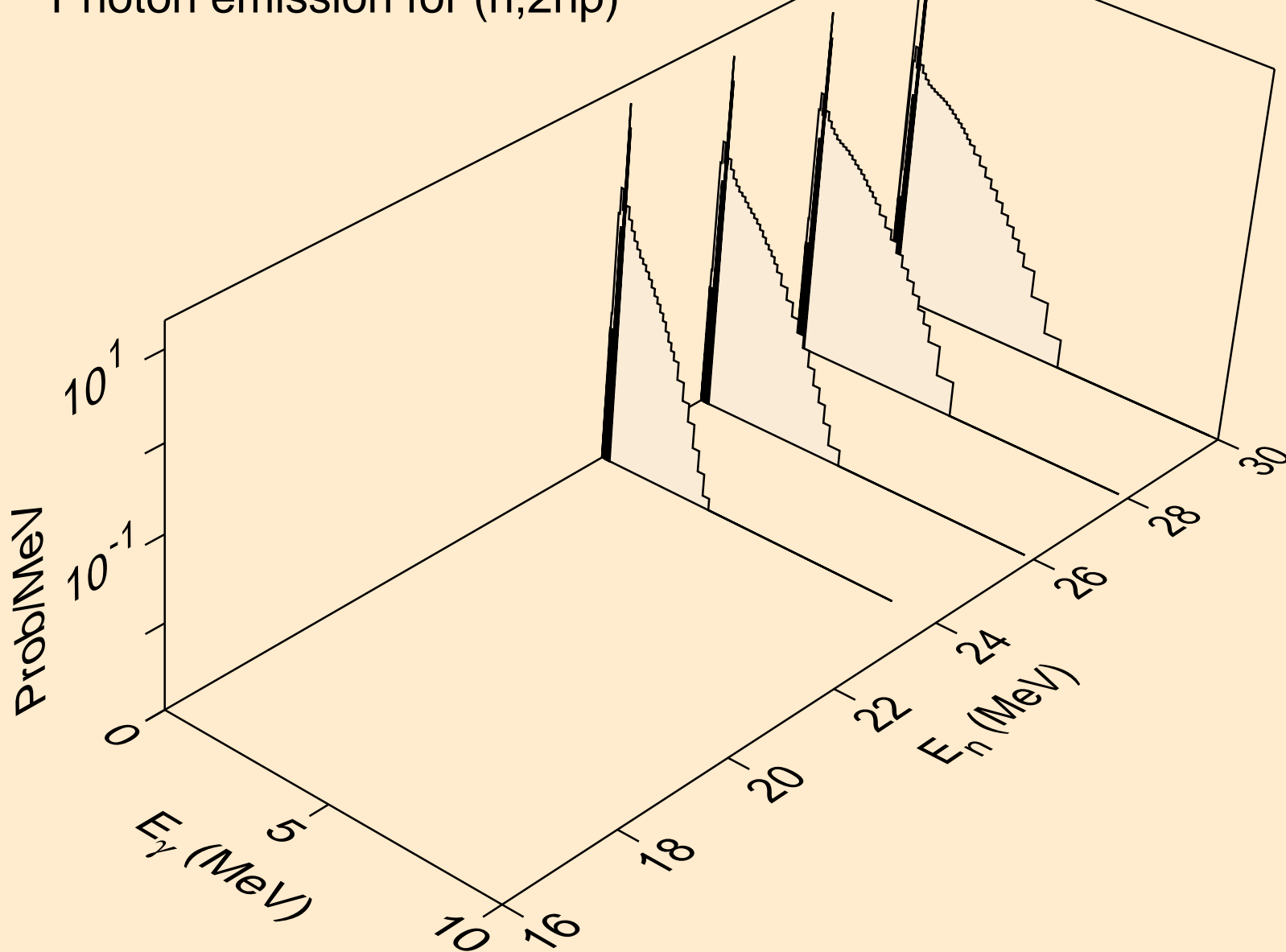




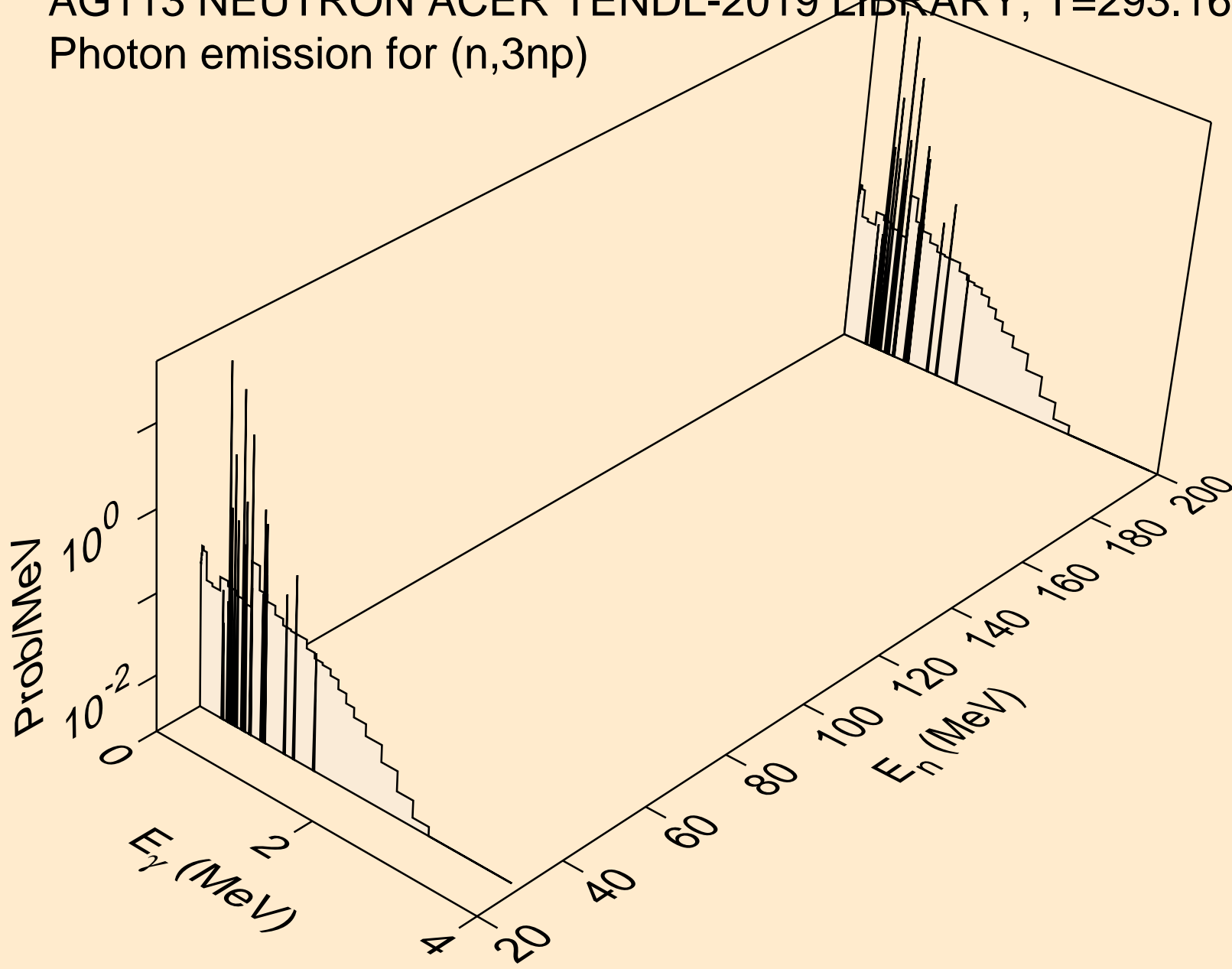
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)



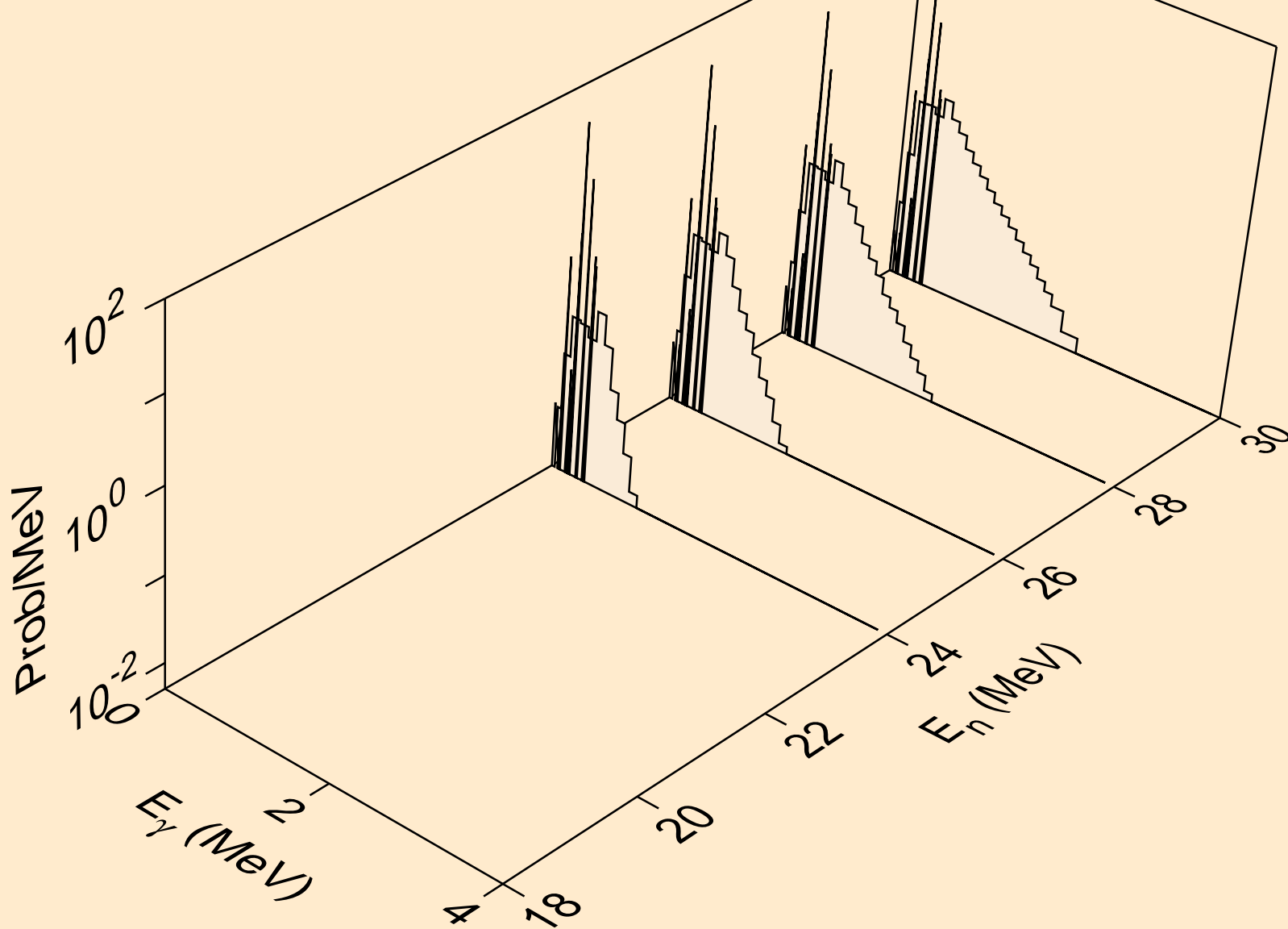
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



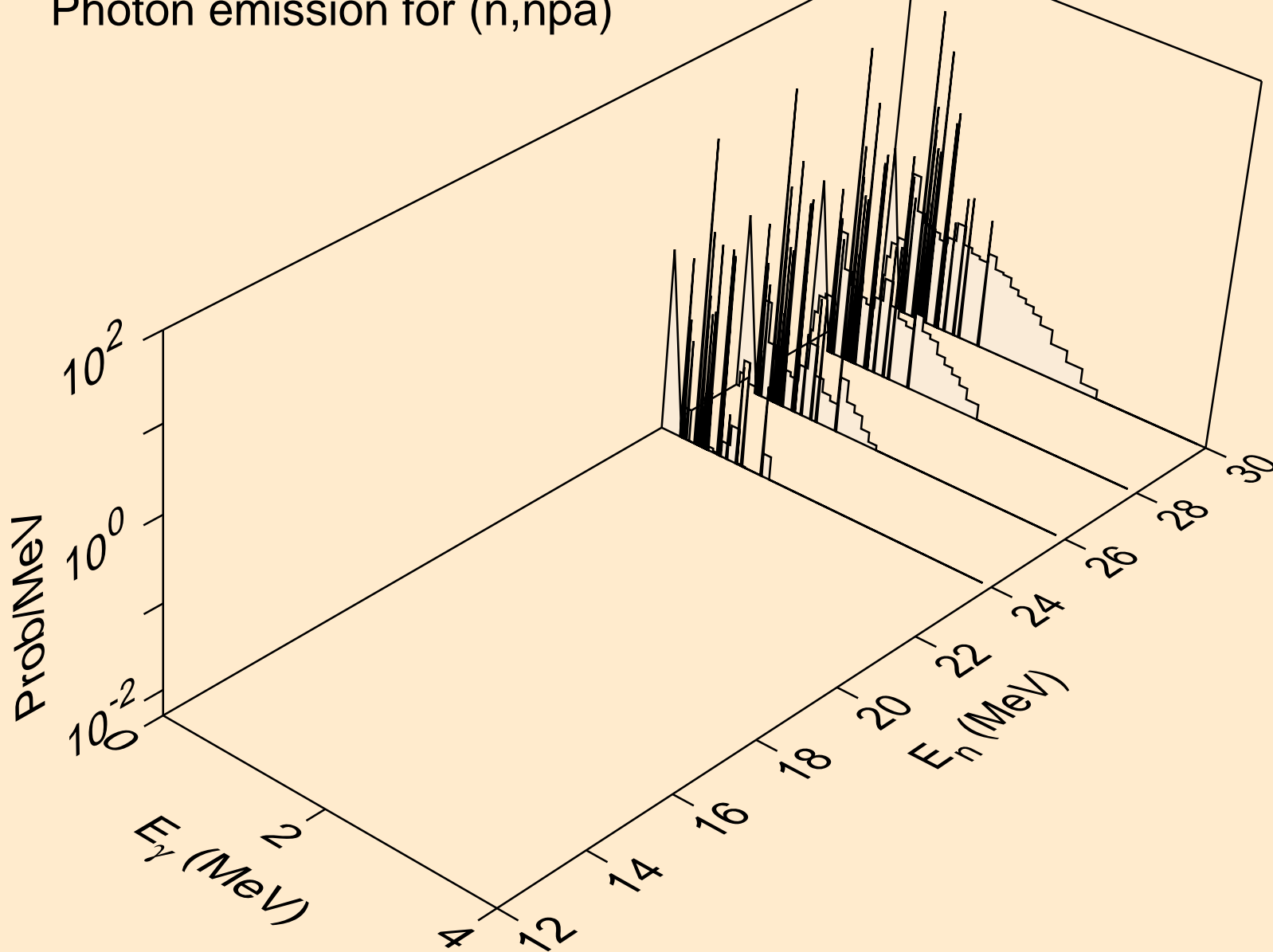
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Photon emission for (n,3np)



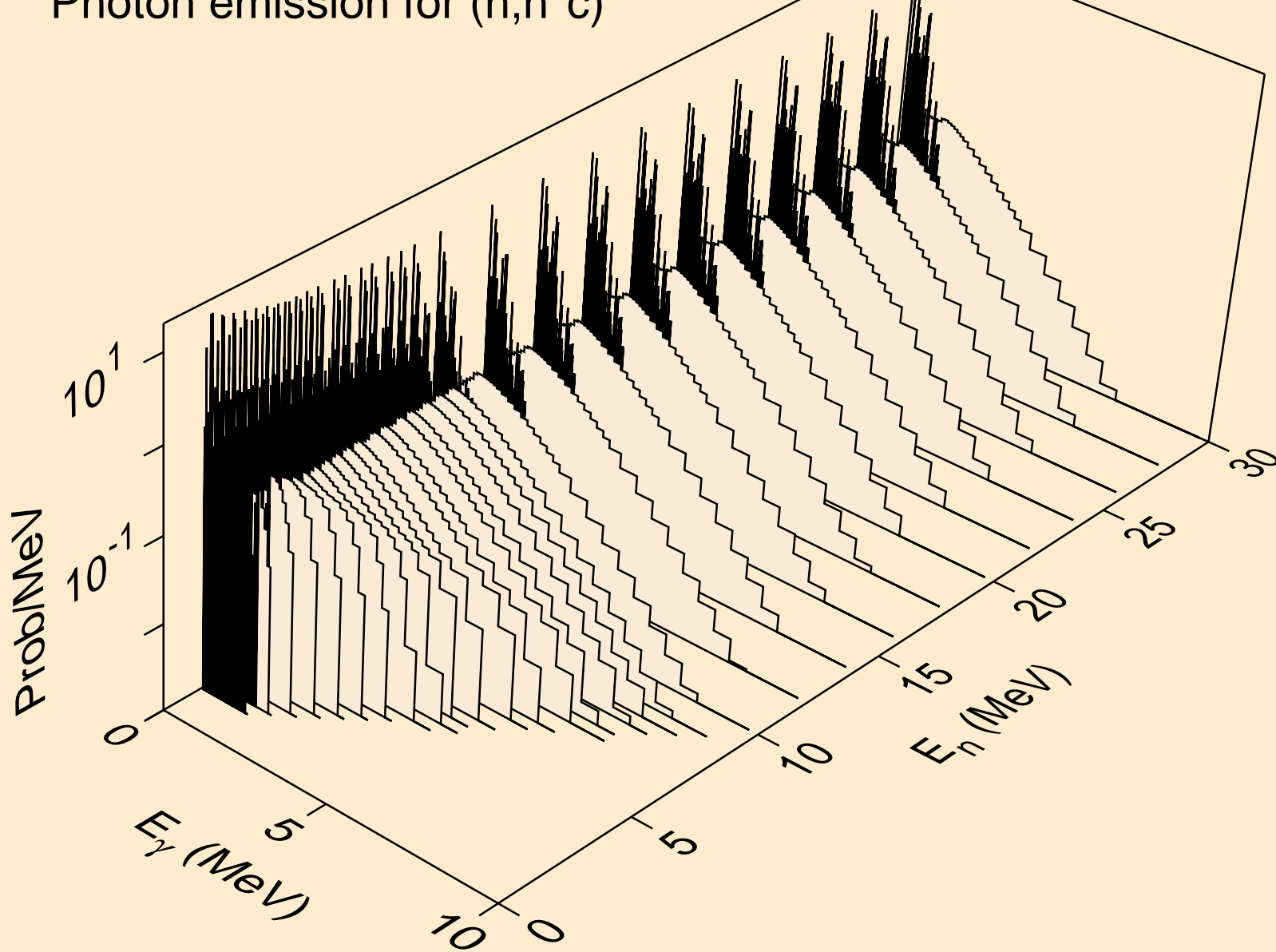
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Photon emission for (n,2np)



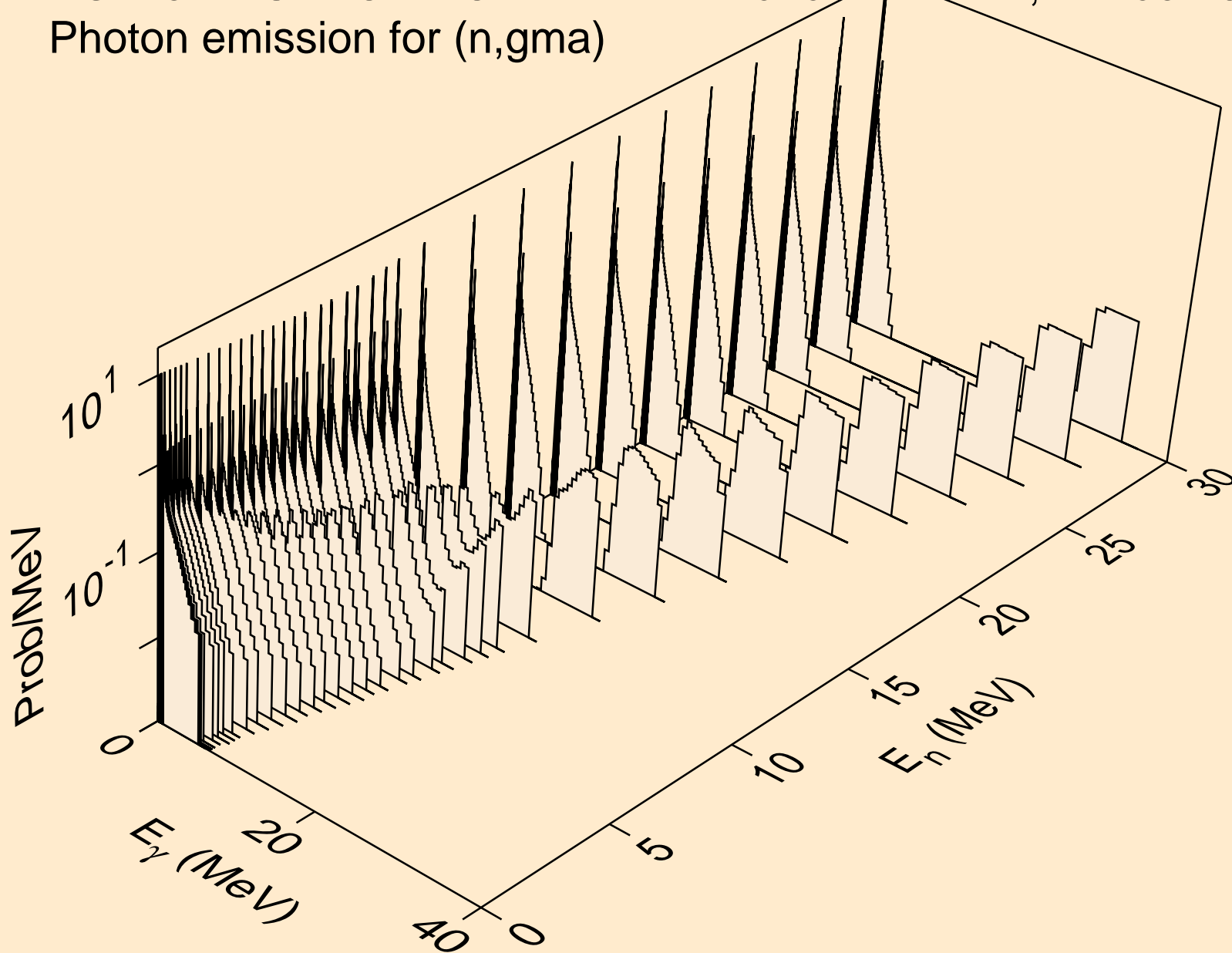
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Photon emission for (n,npa)



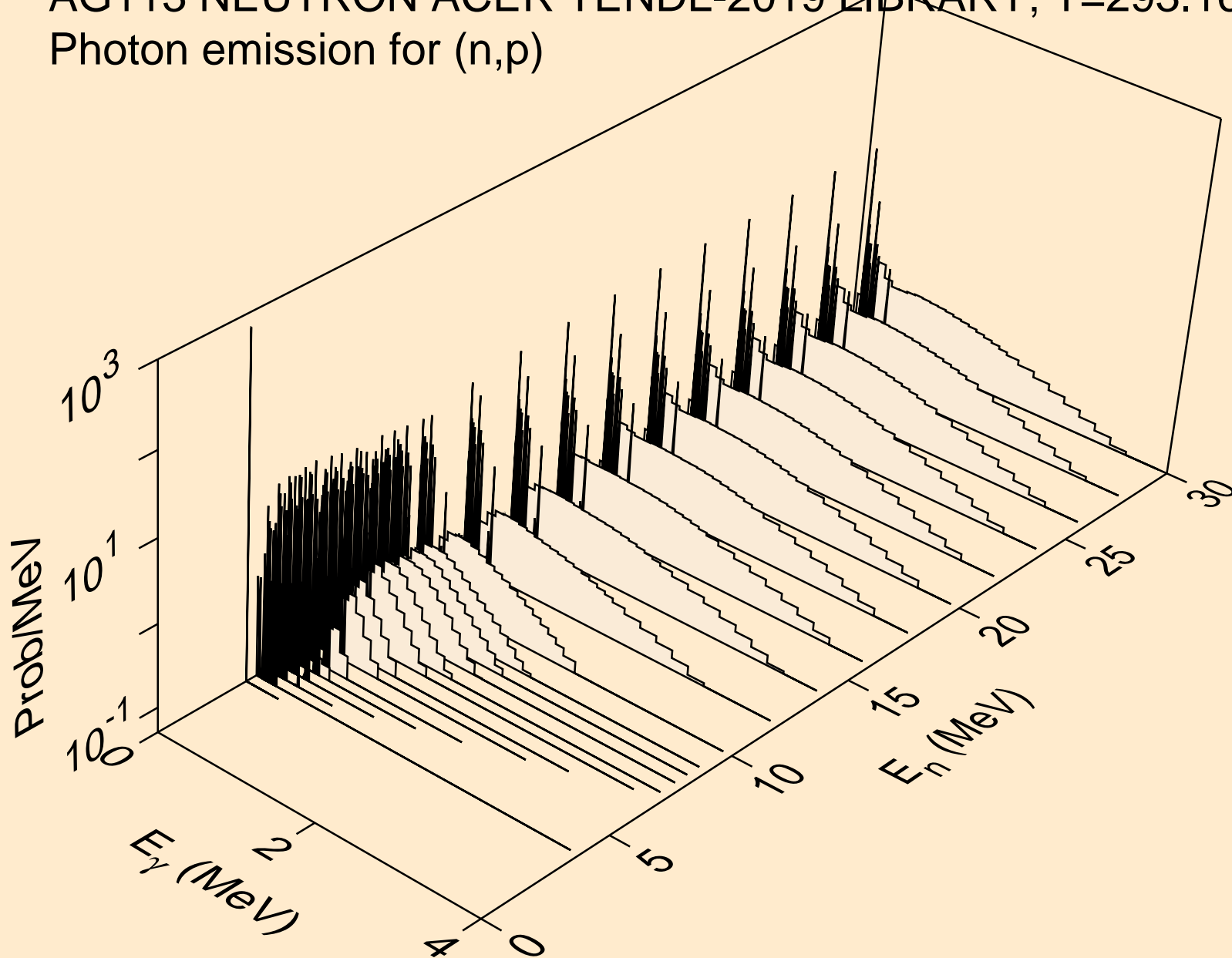
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)

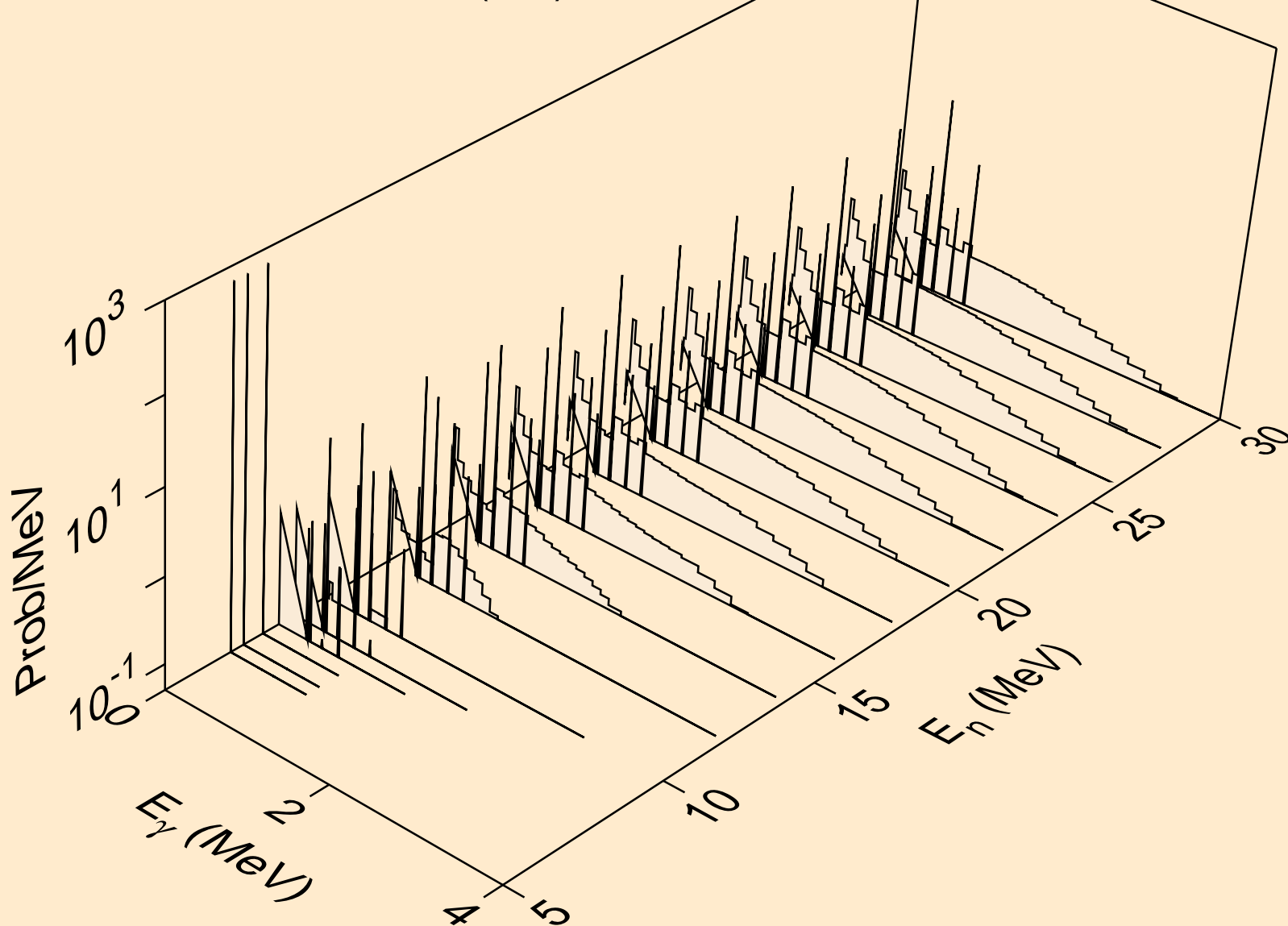


AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)

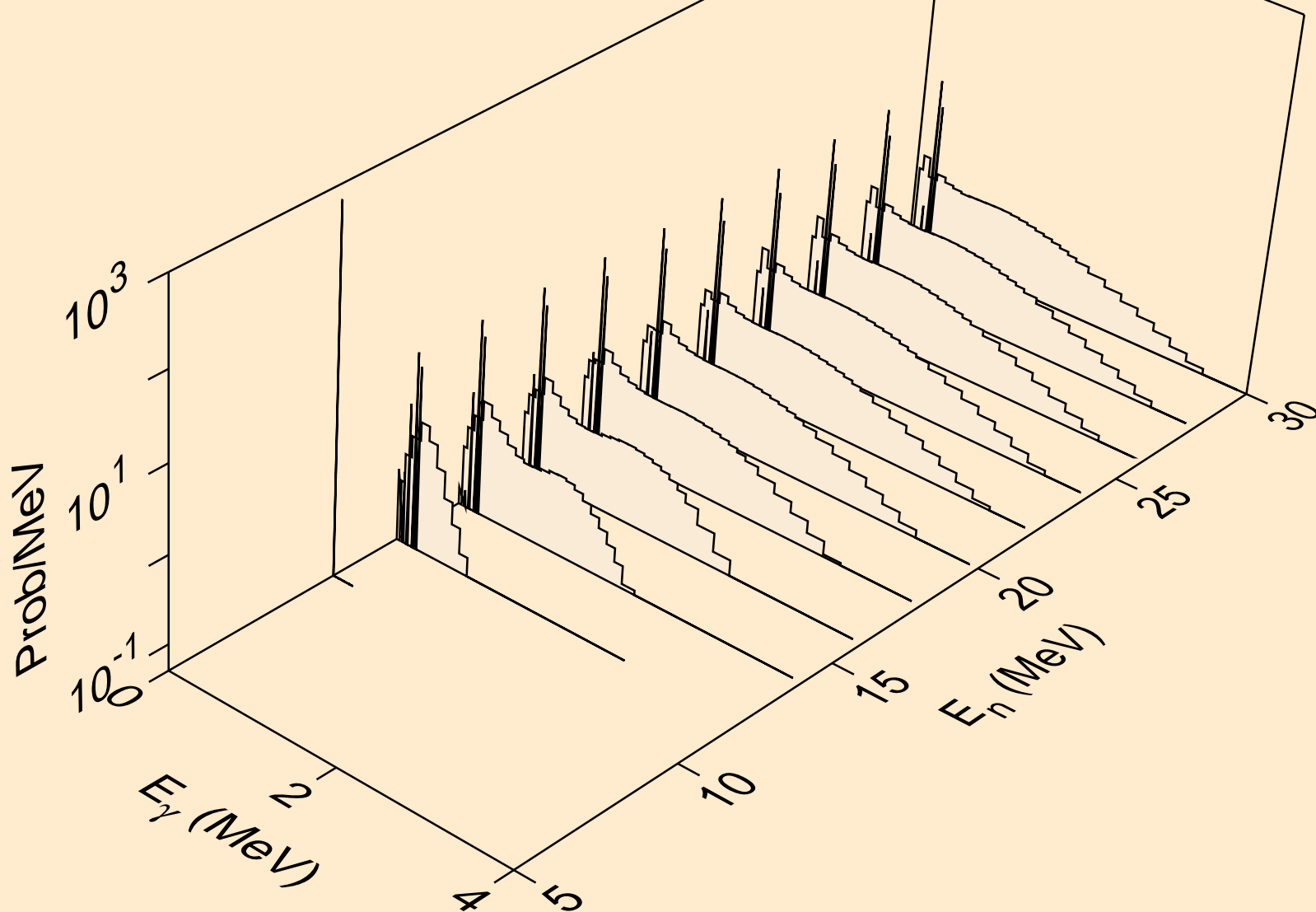




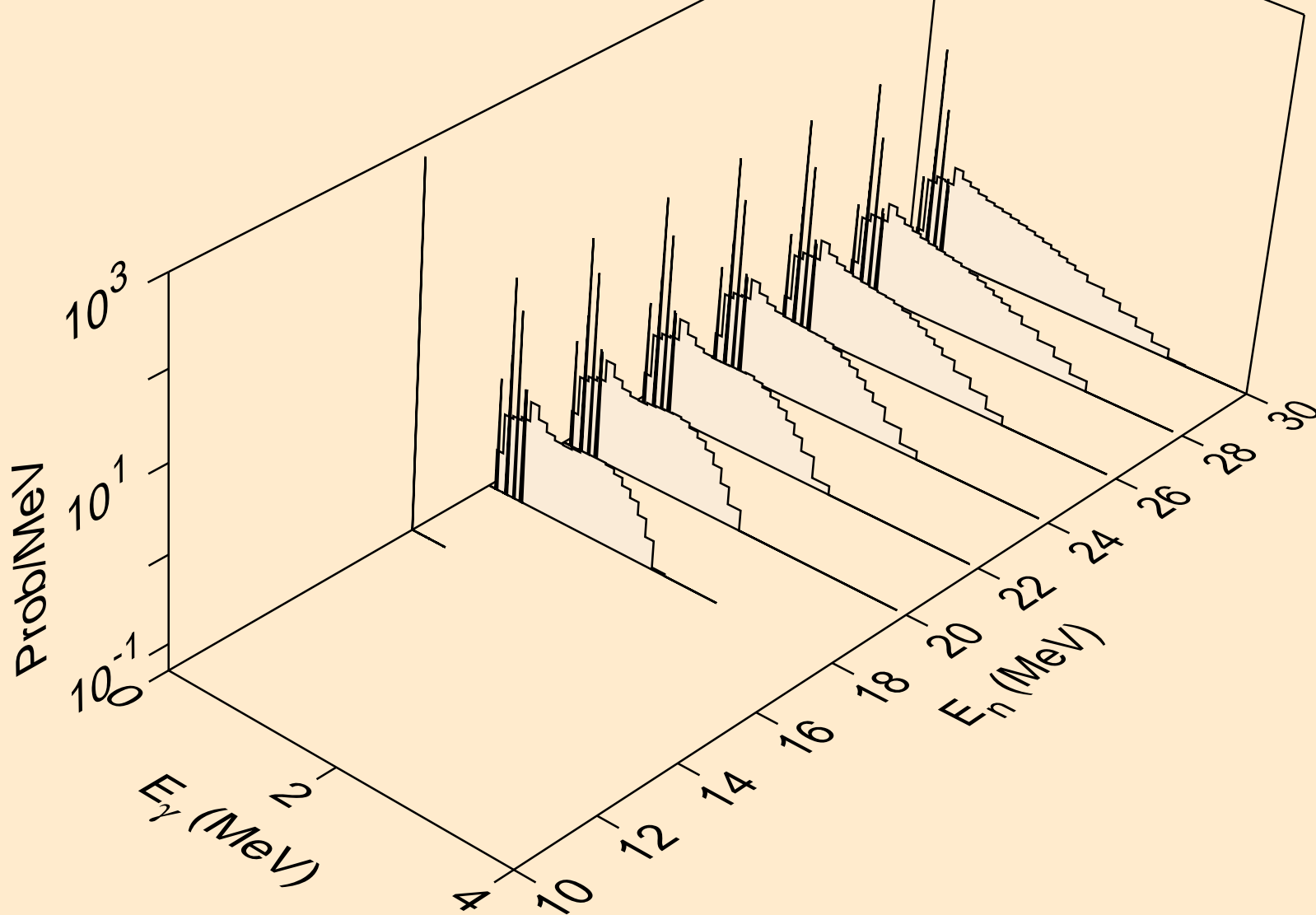
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)



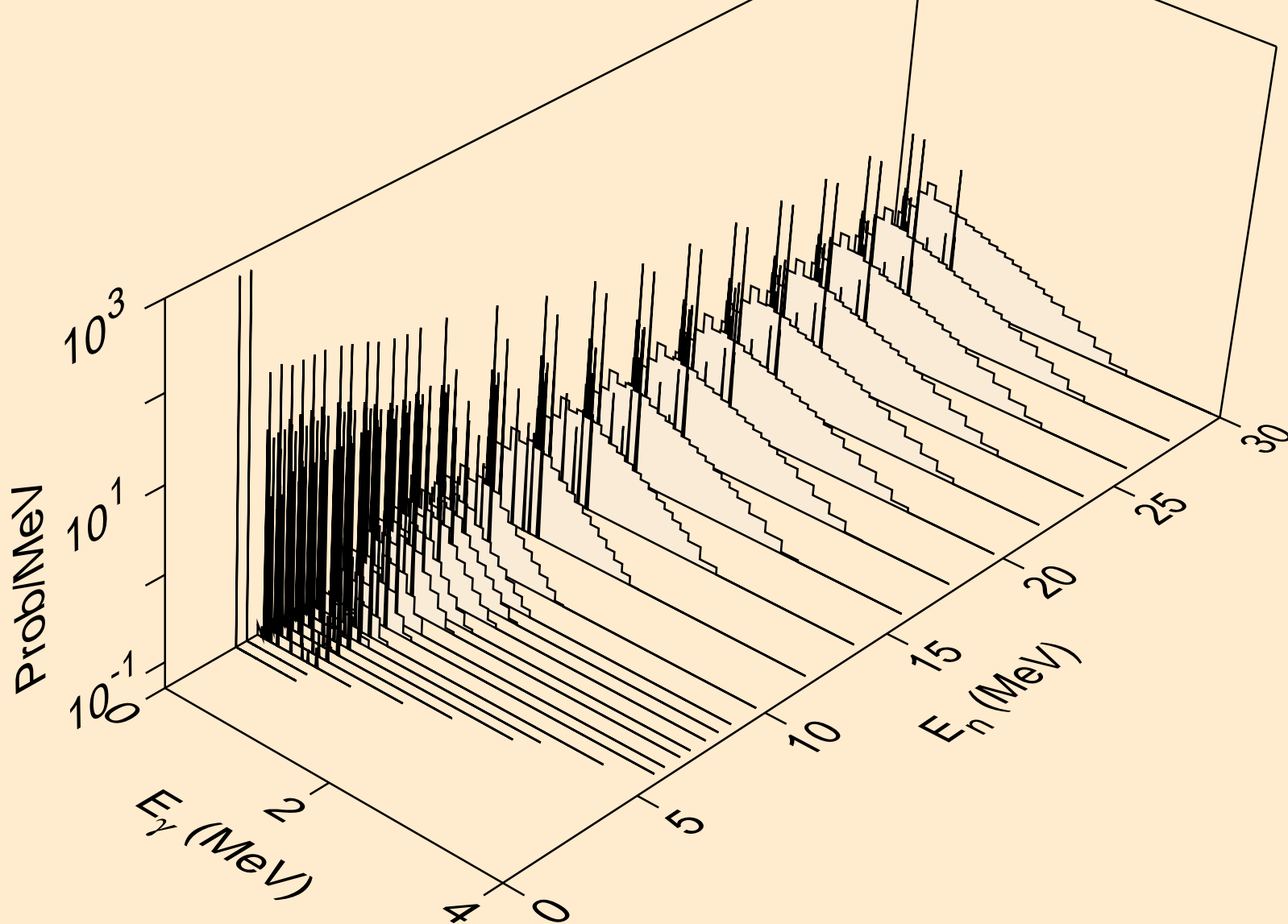
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Photon emission for (n,t)



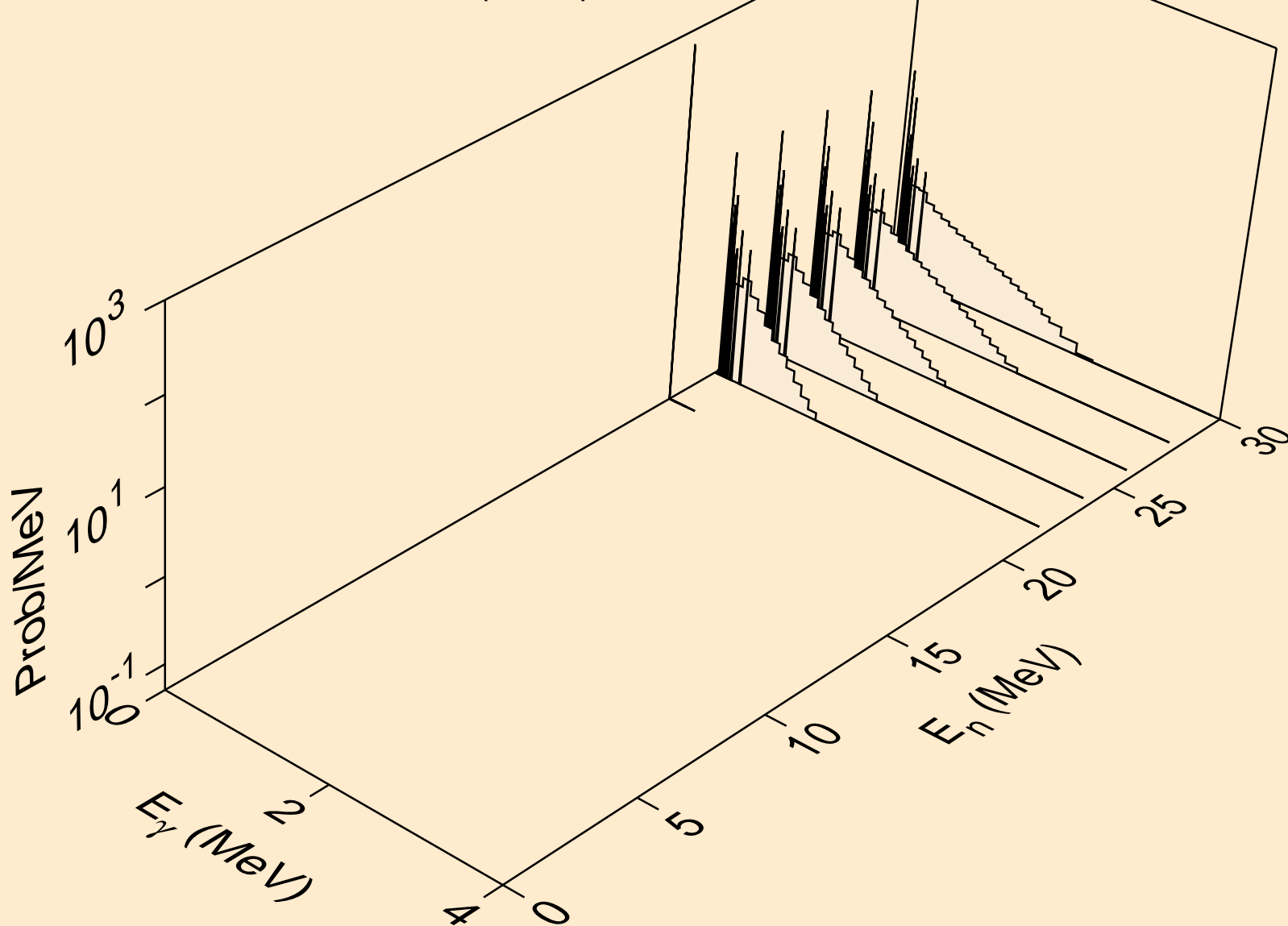
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Photon emission for (n,he3)



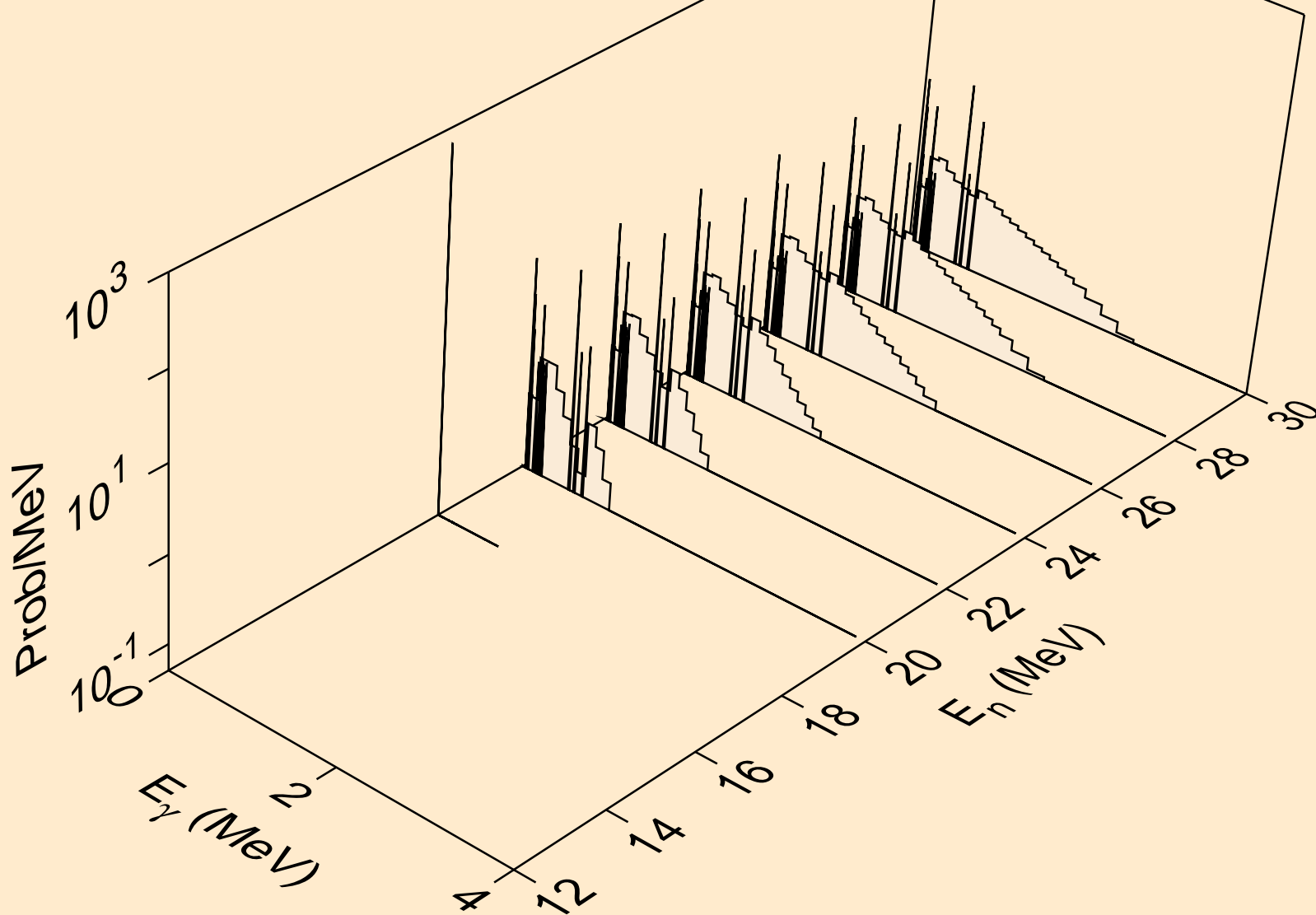
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Photon emission for (n,a)



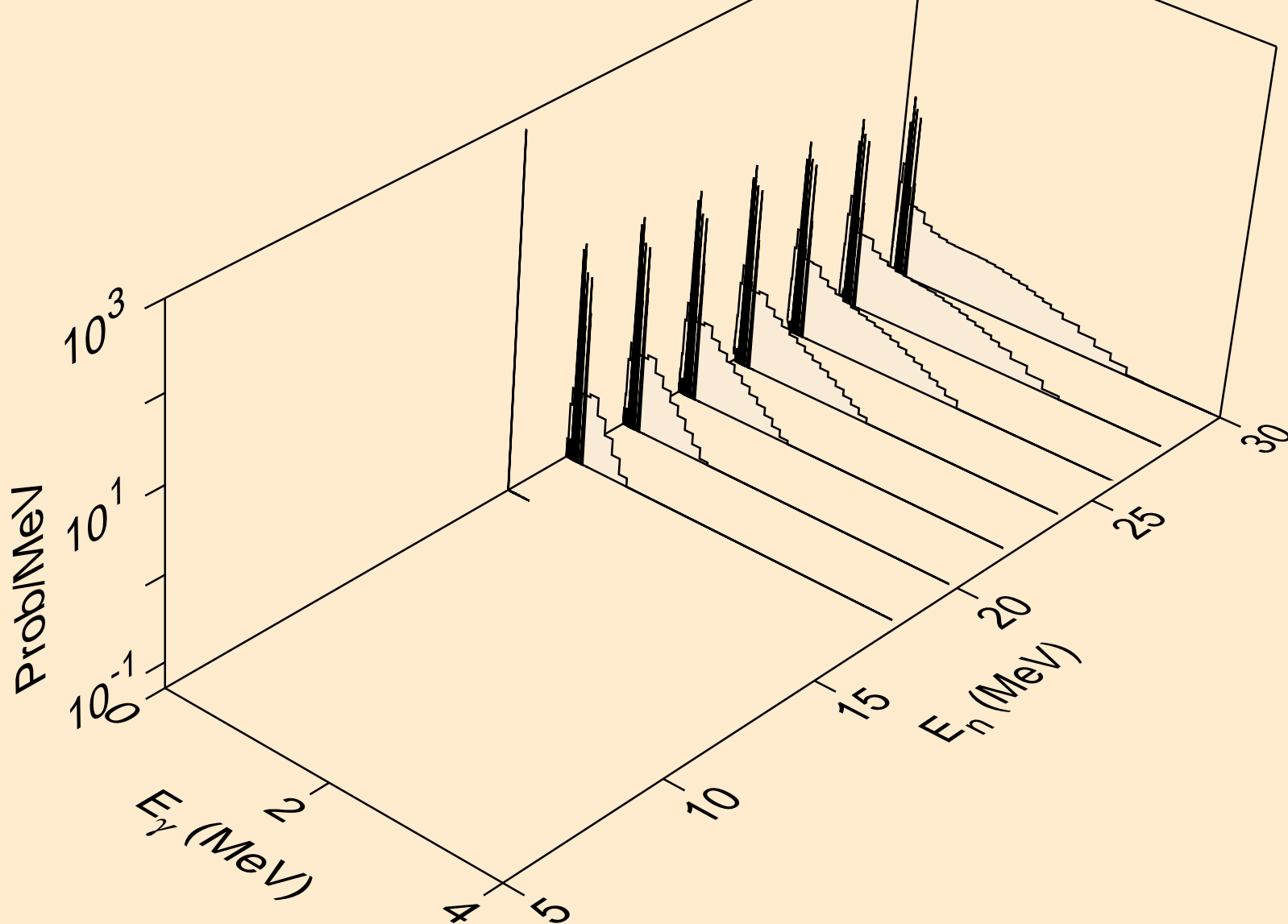
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Photon emission for (n,2a)



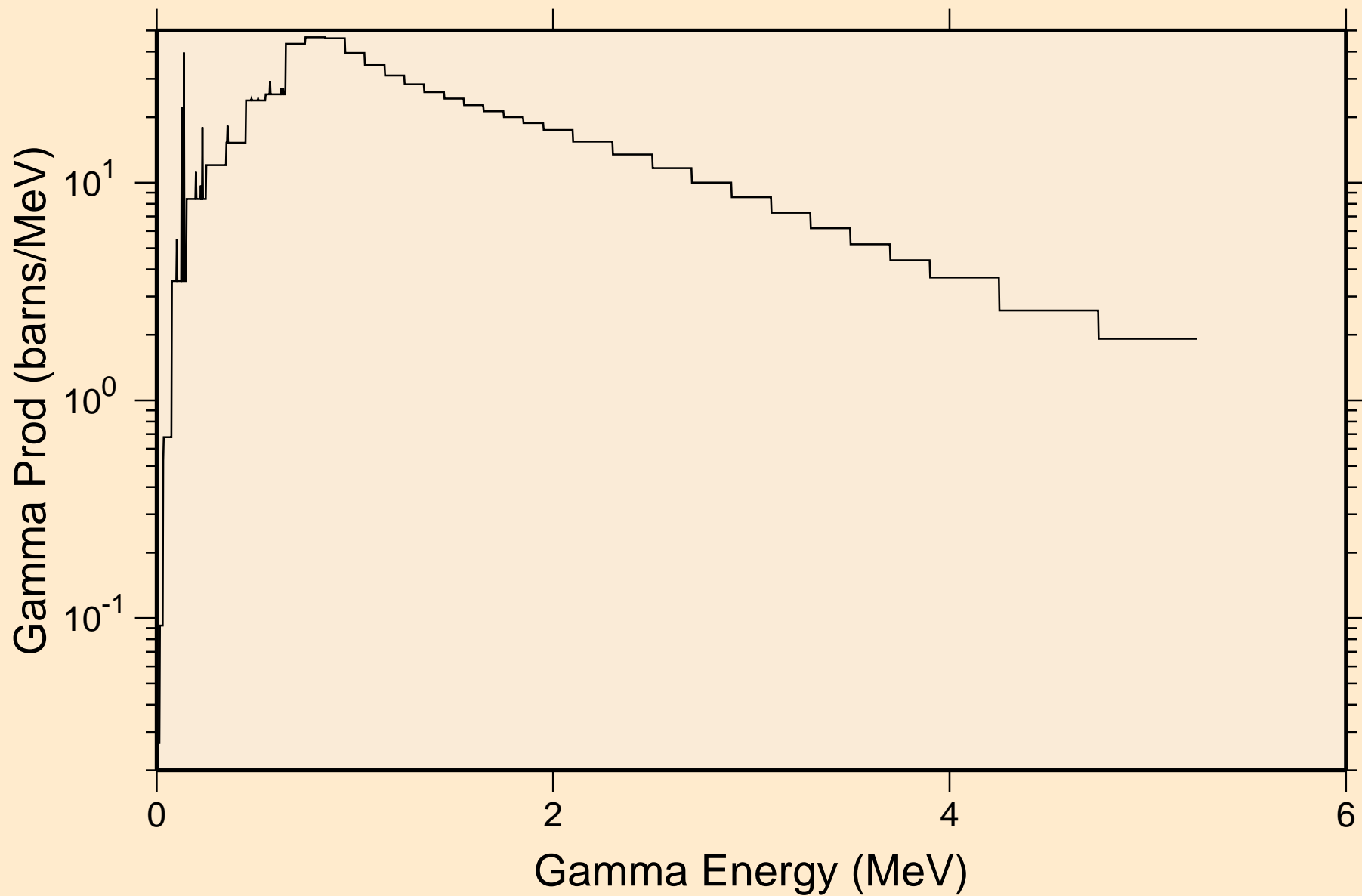
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Photon emission for (n,2p)



AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p $\alpha$ )

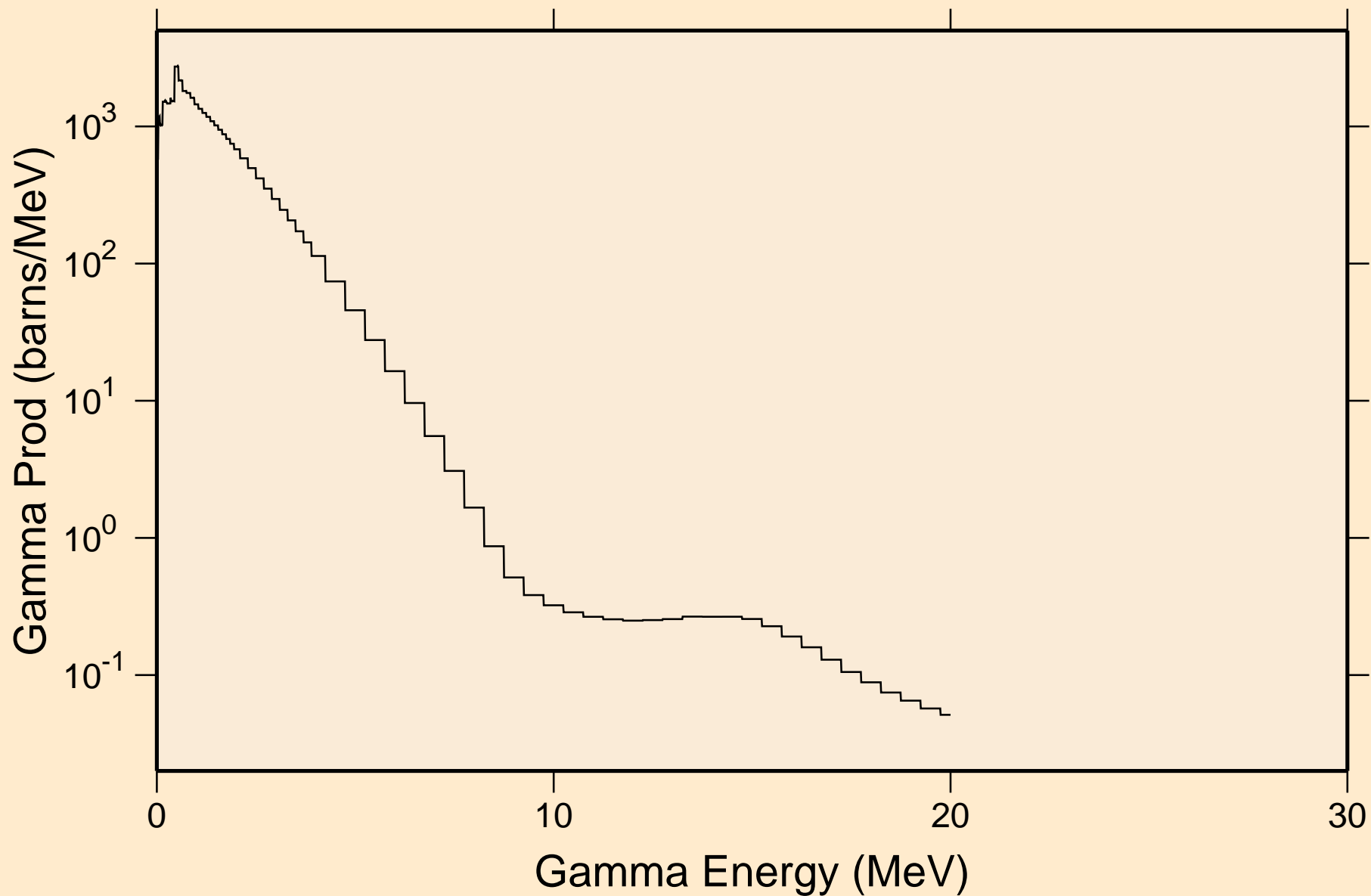


AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum



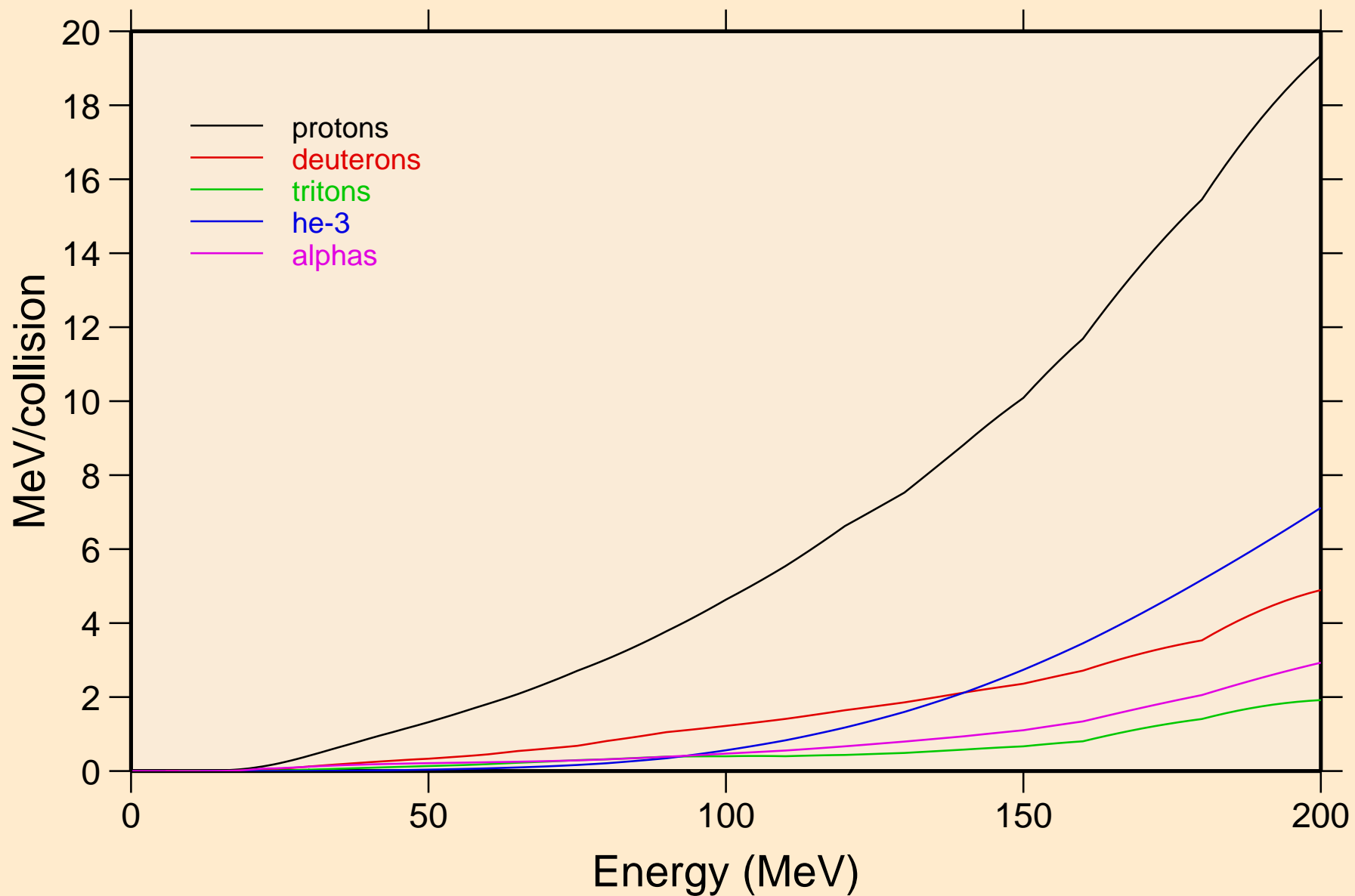


AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

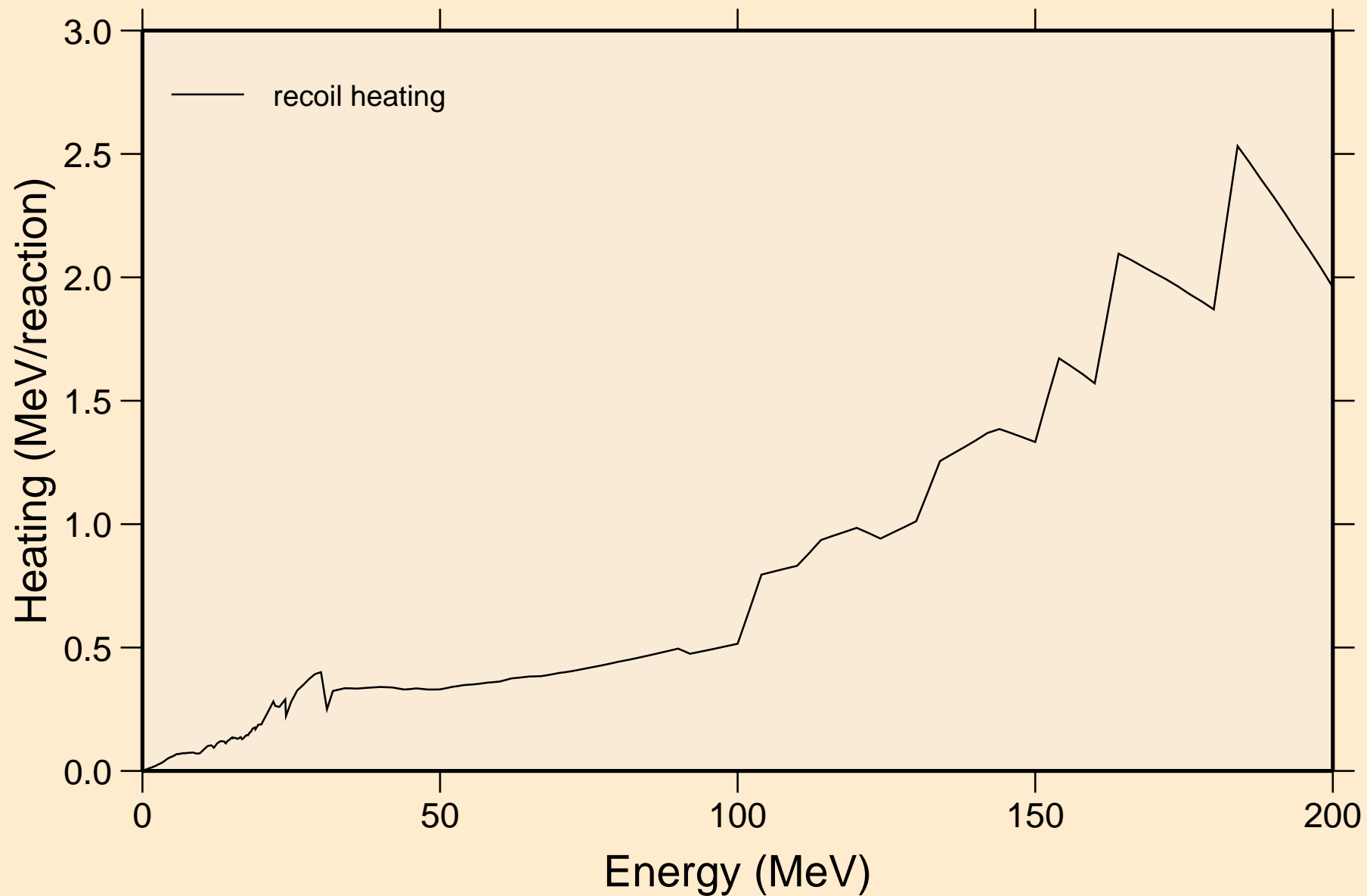


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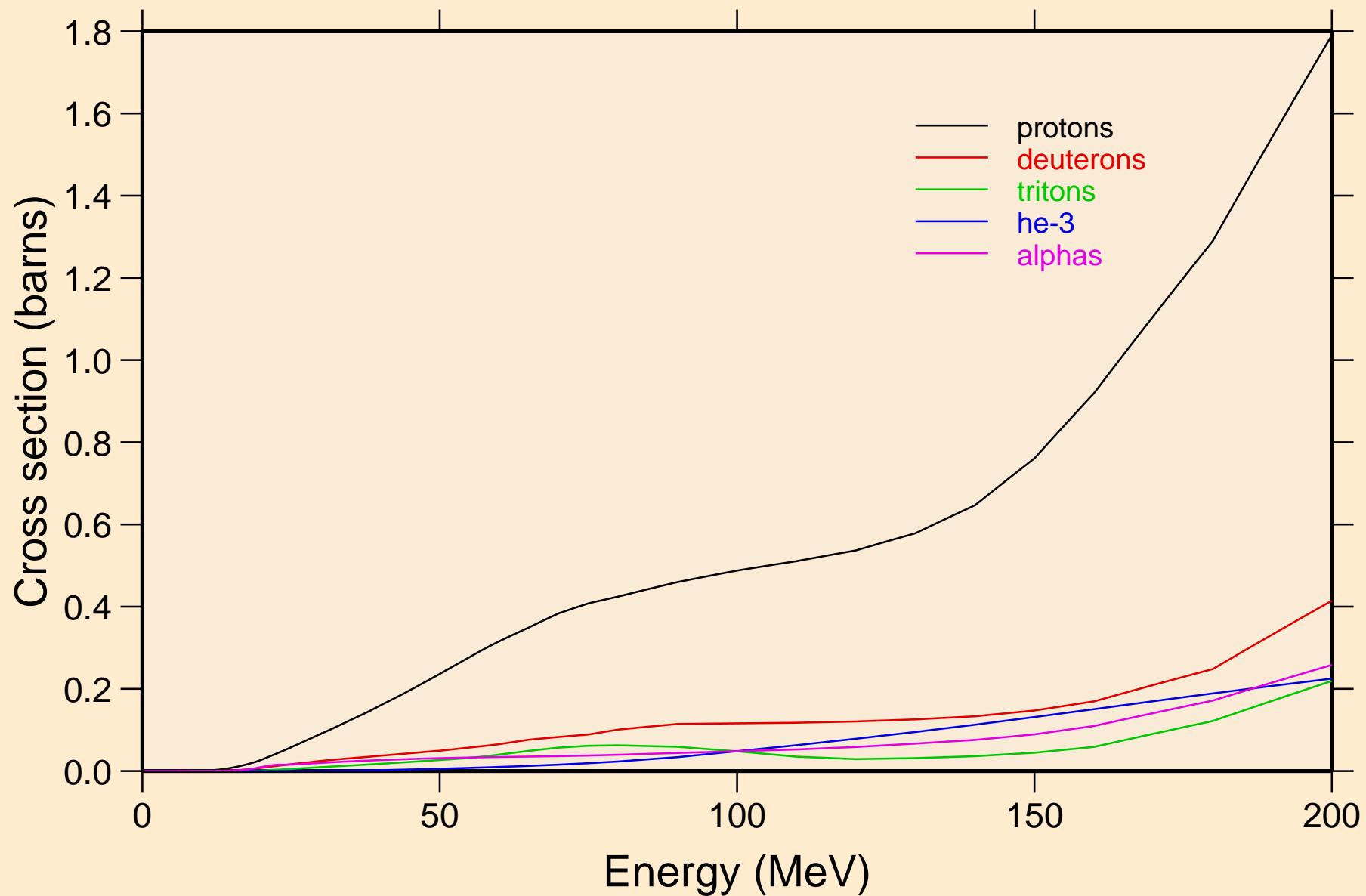
## Particle heating contributions



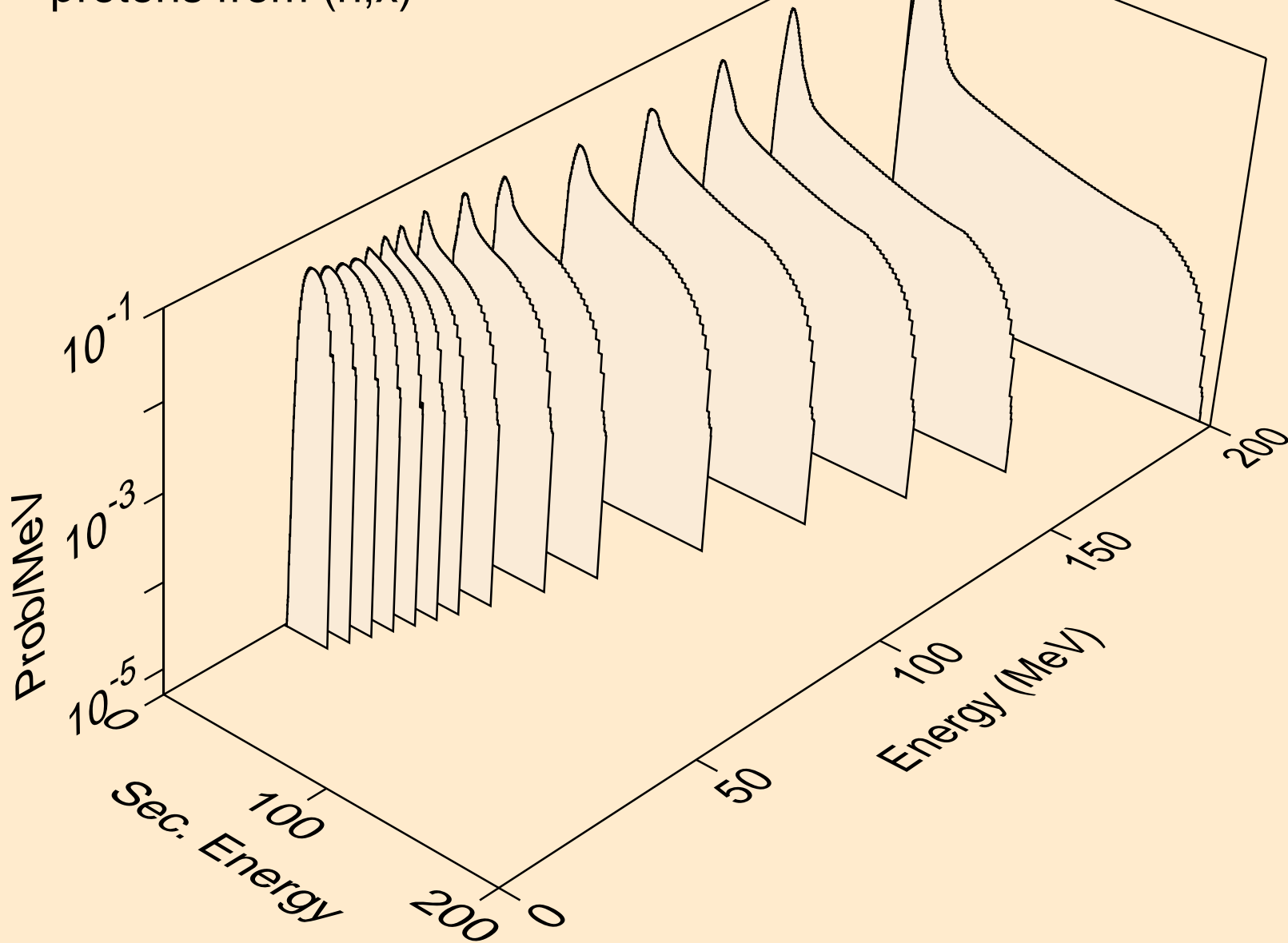
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Recoil Heating



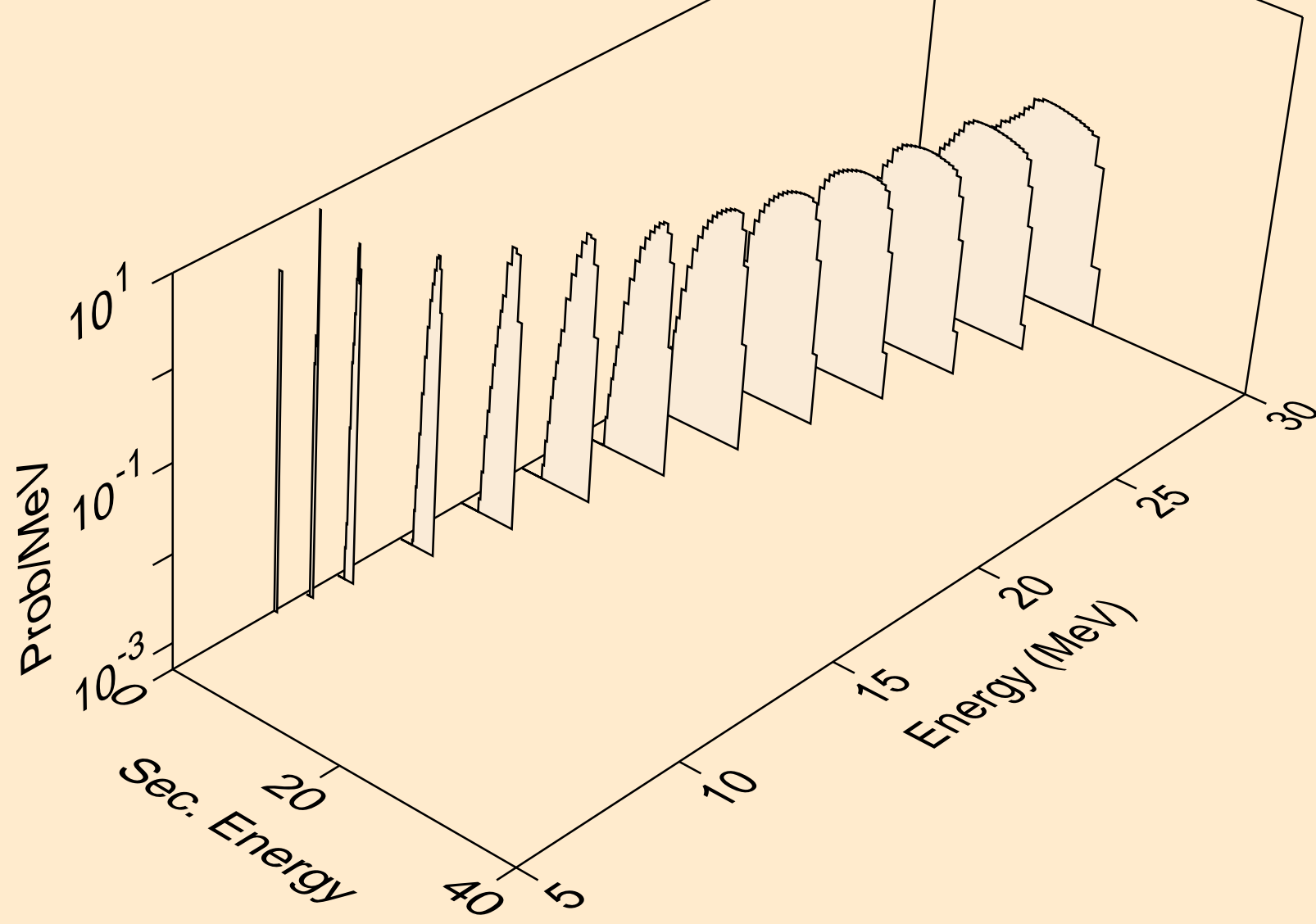
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Particle production cross sections



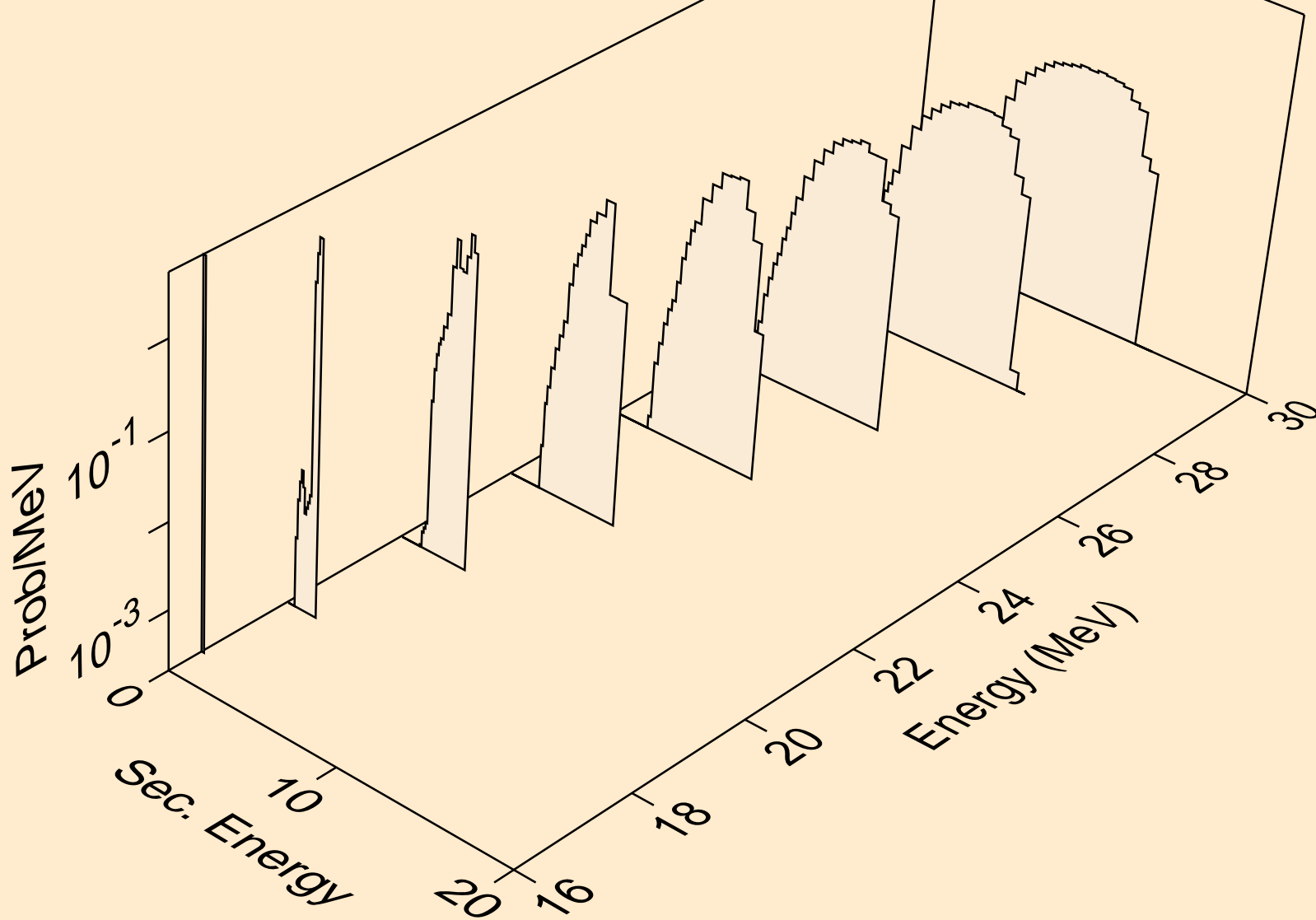
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protons from (n,x)



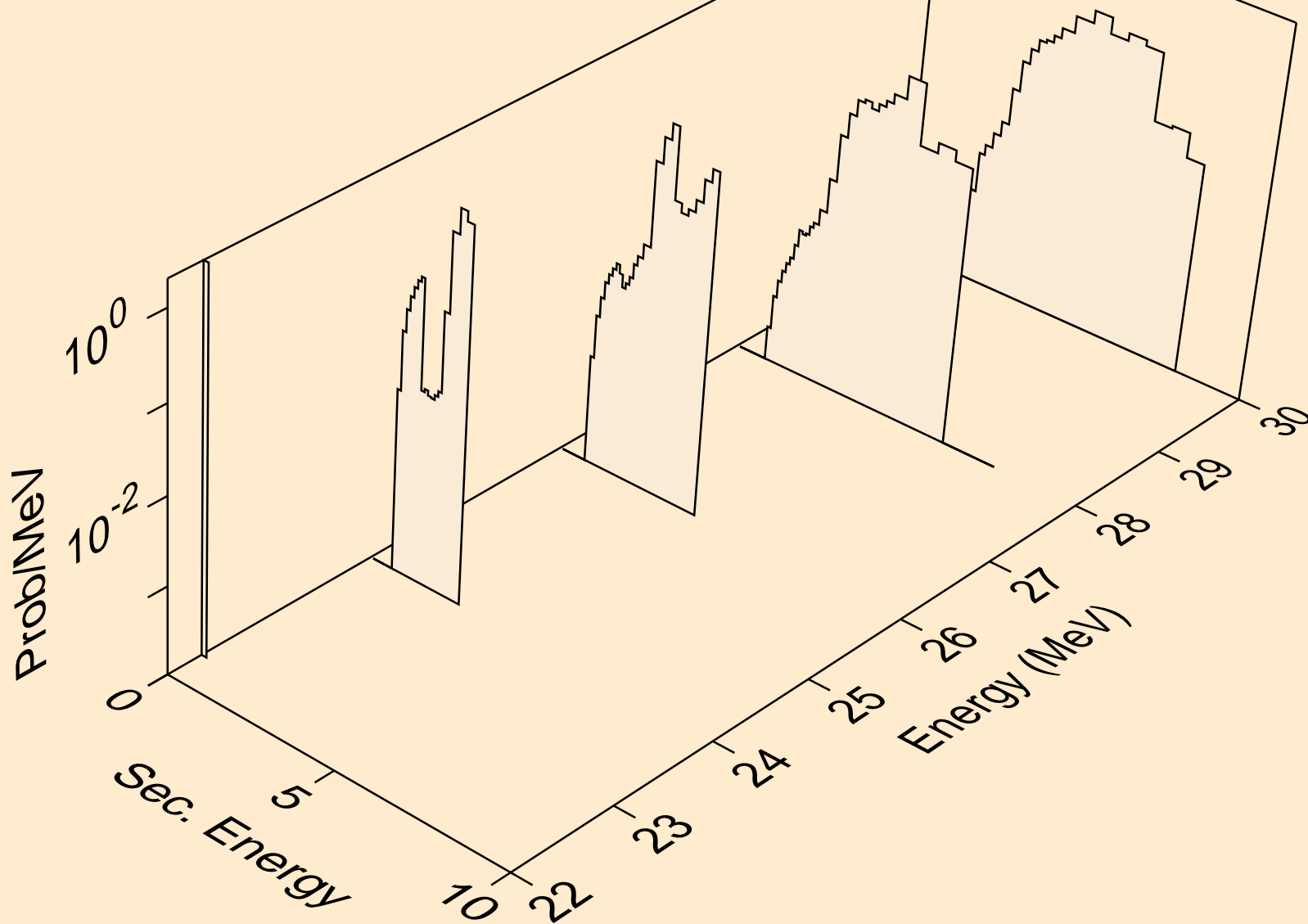
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protons from (n,n\*)p



AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)

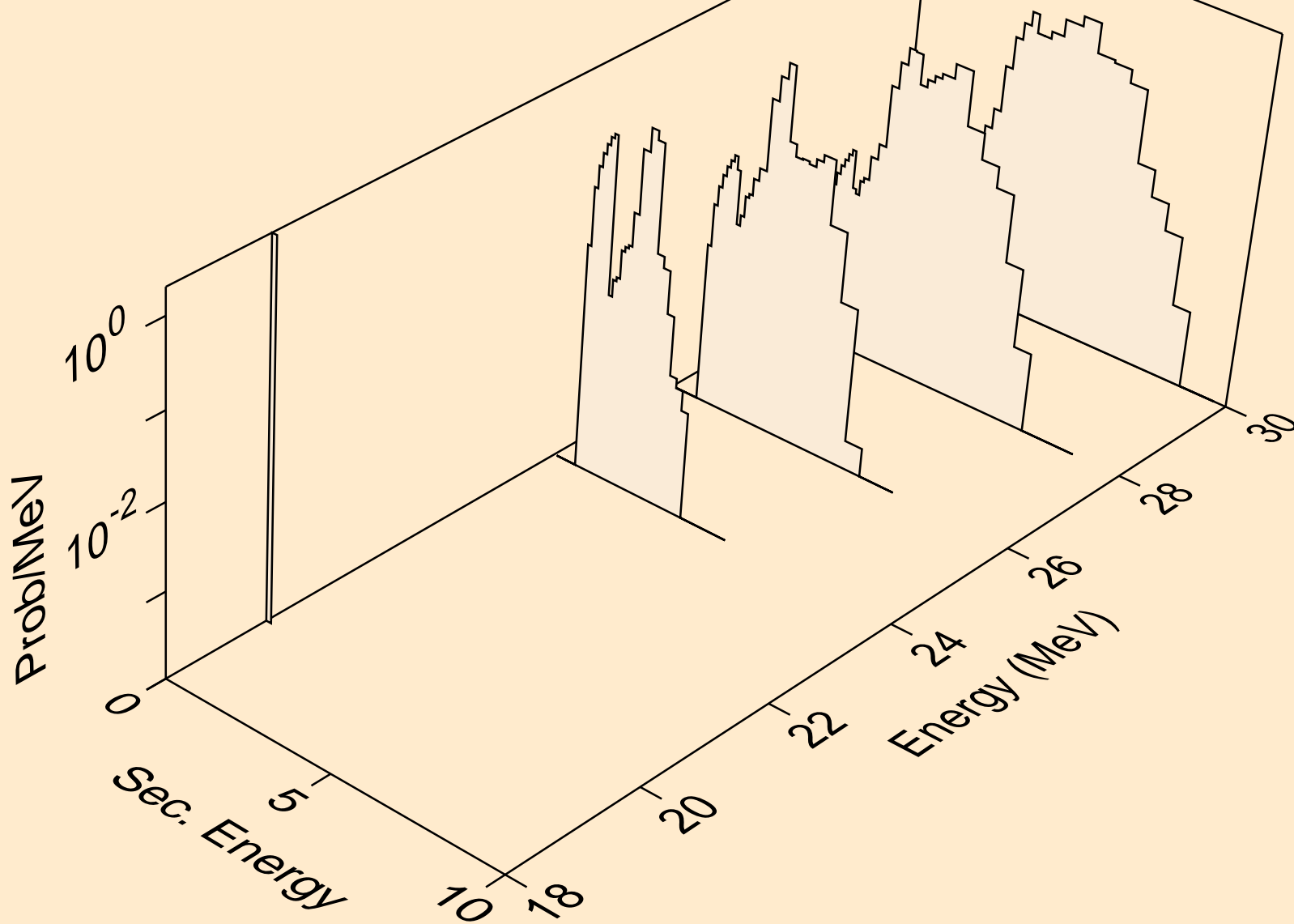


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protons from (n,3np)

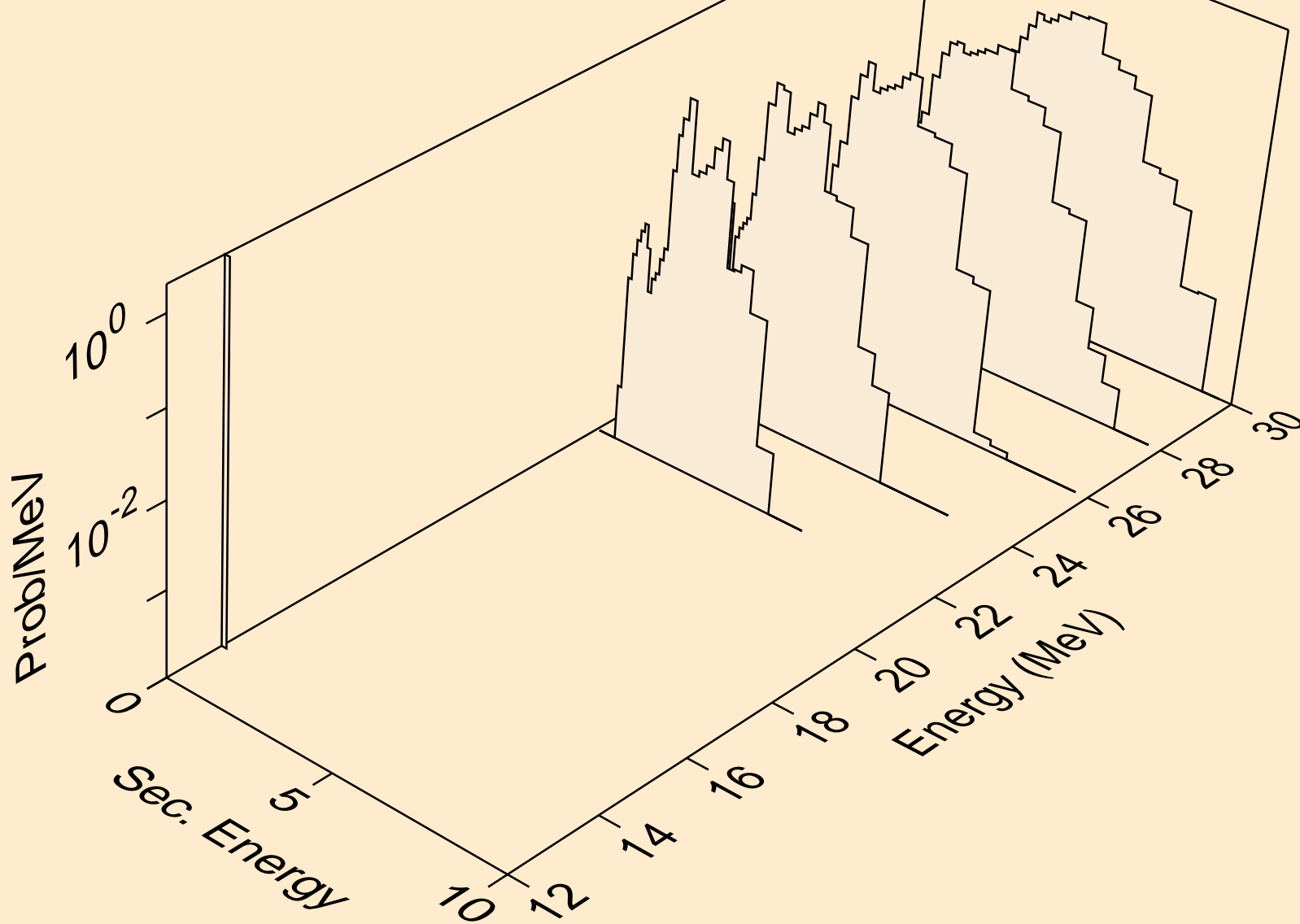




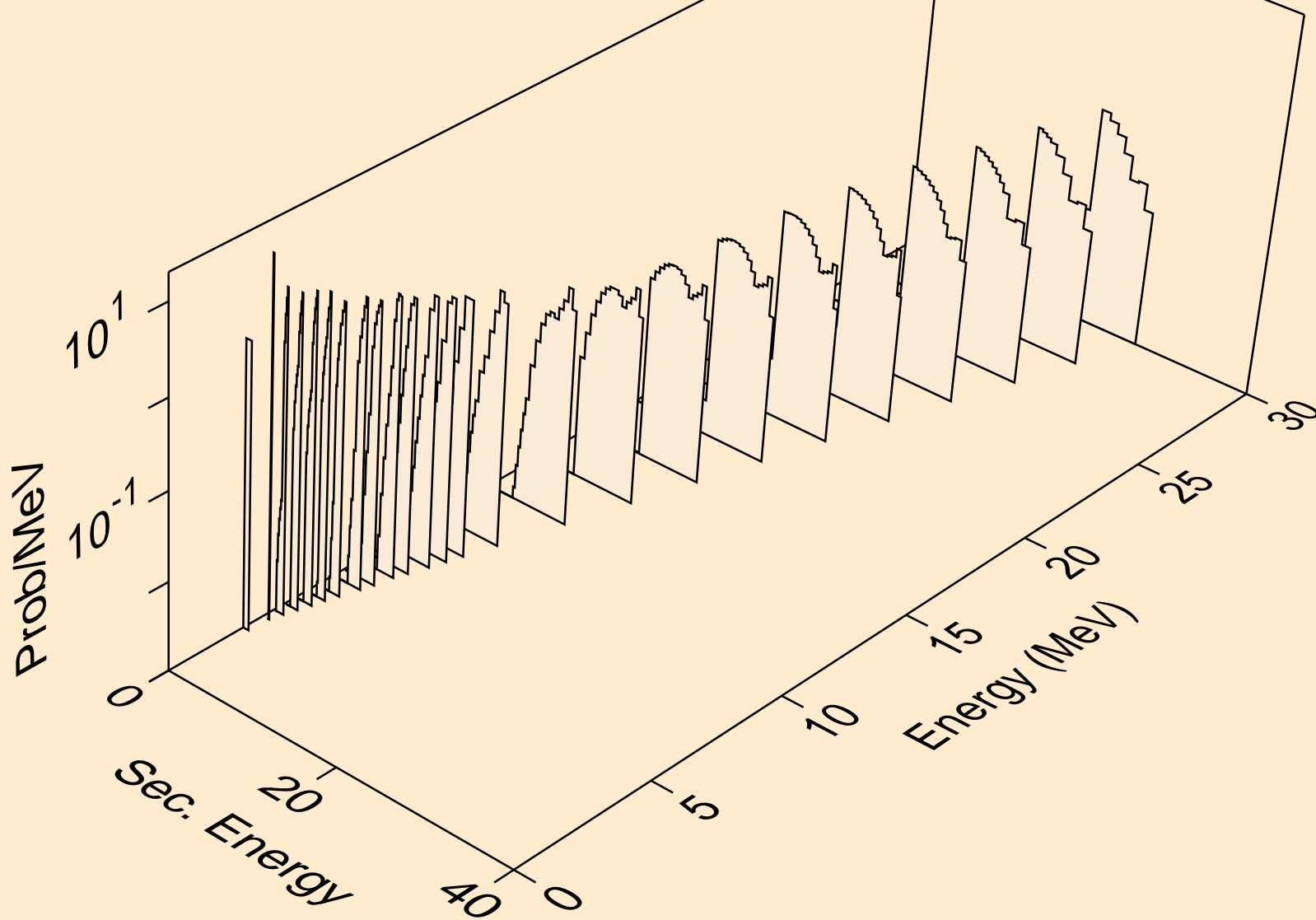
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protons from (n,2np)



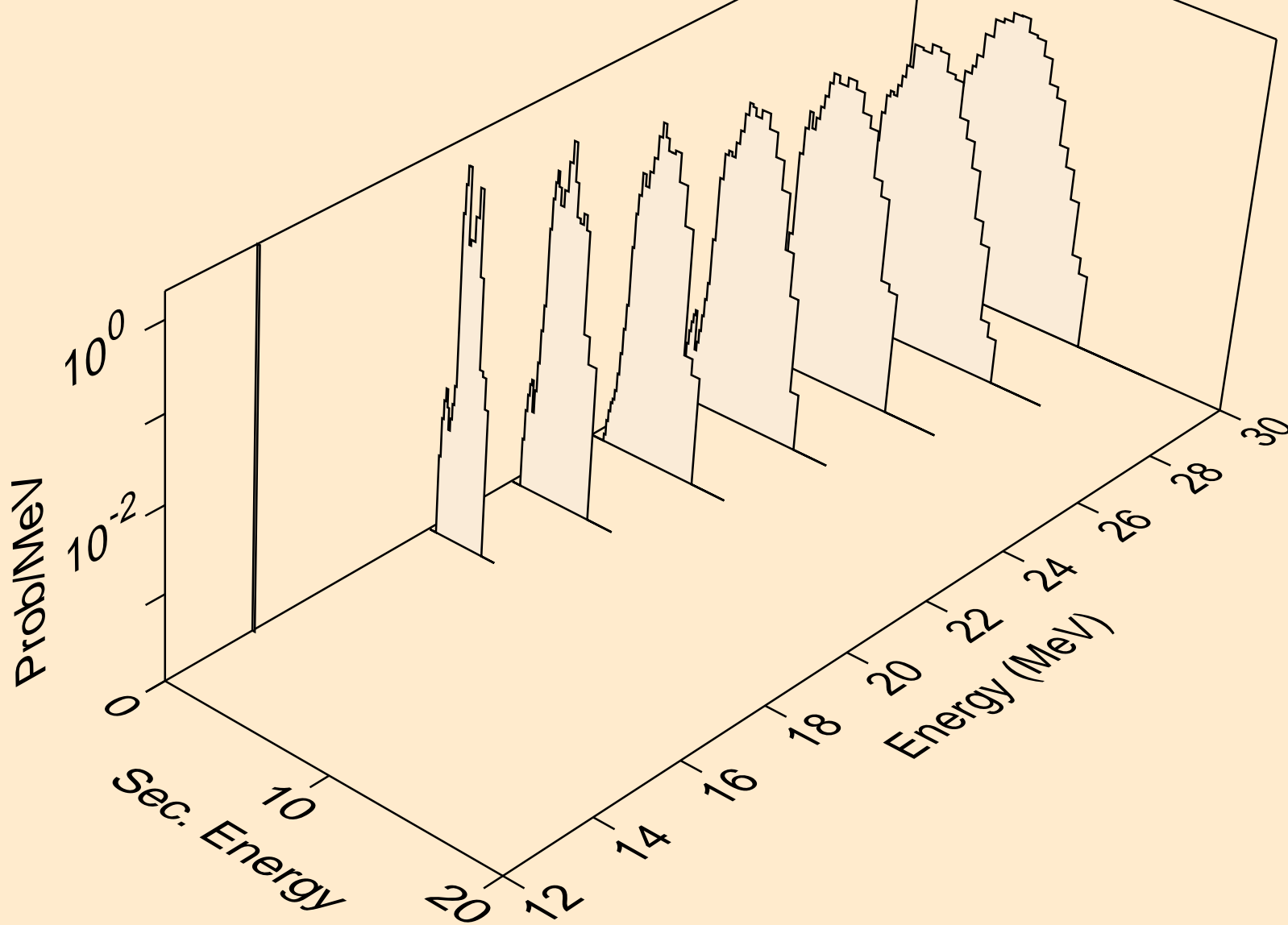
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protons from (n,npa)



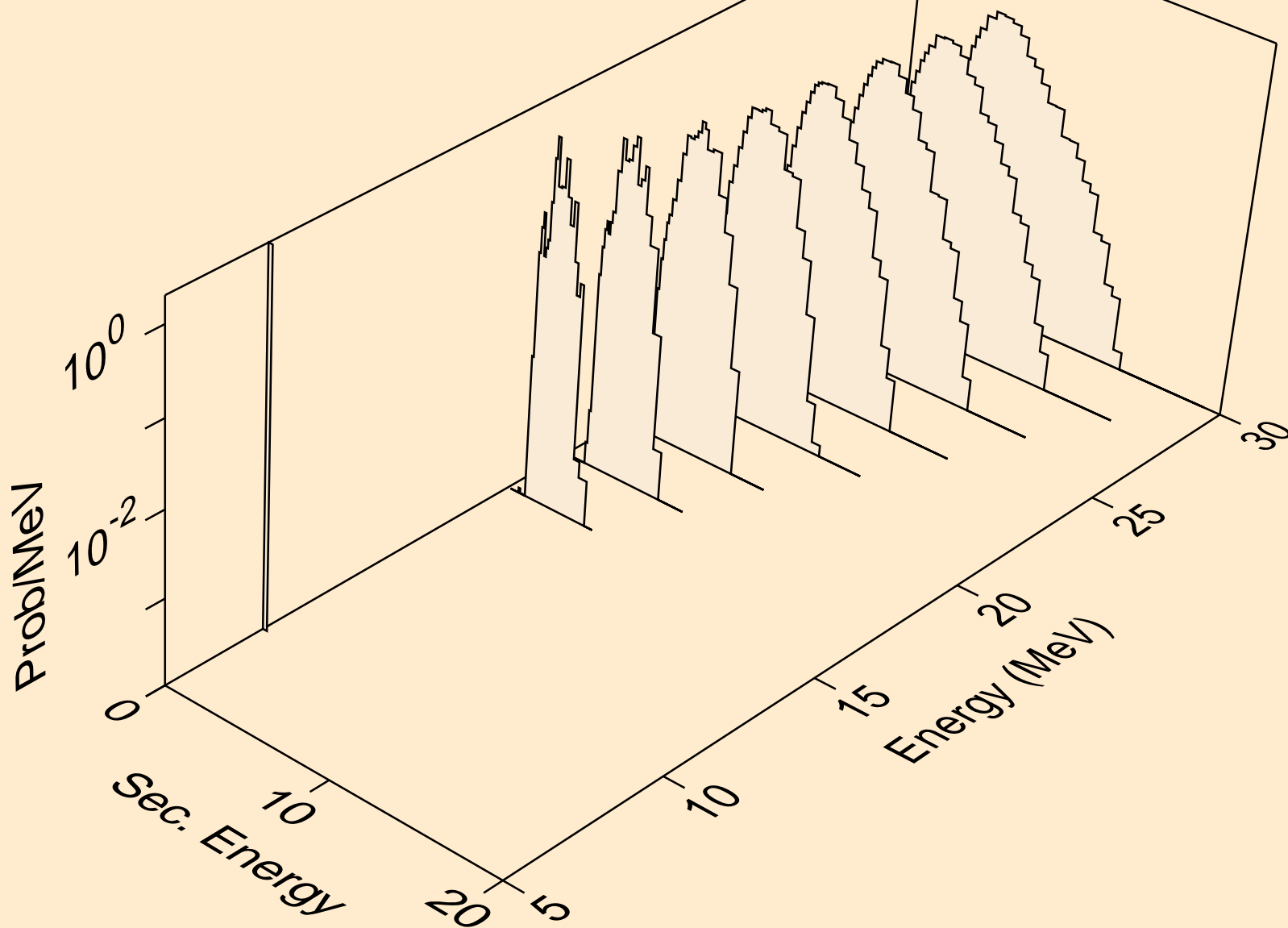
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protons from (n,p)



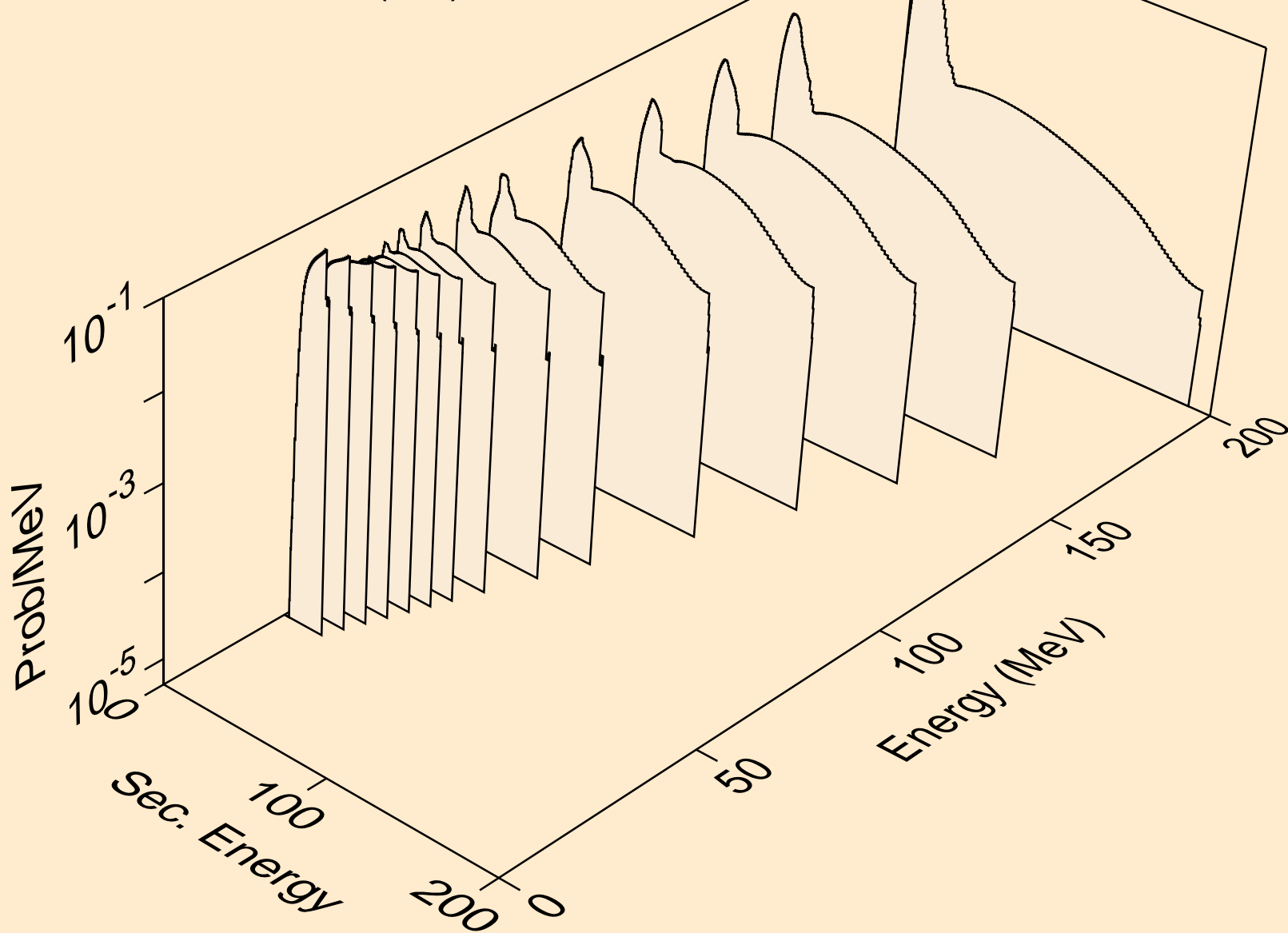
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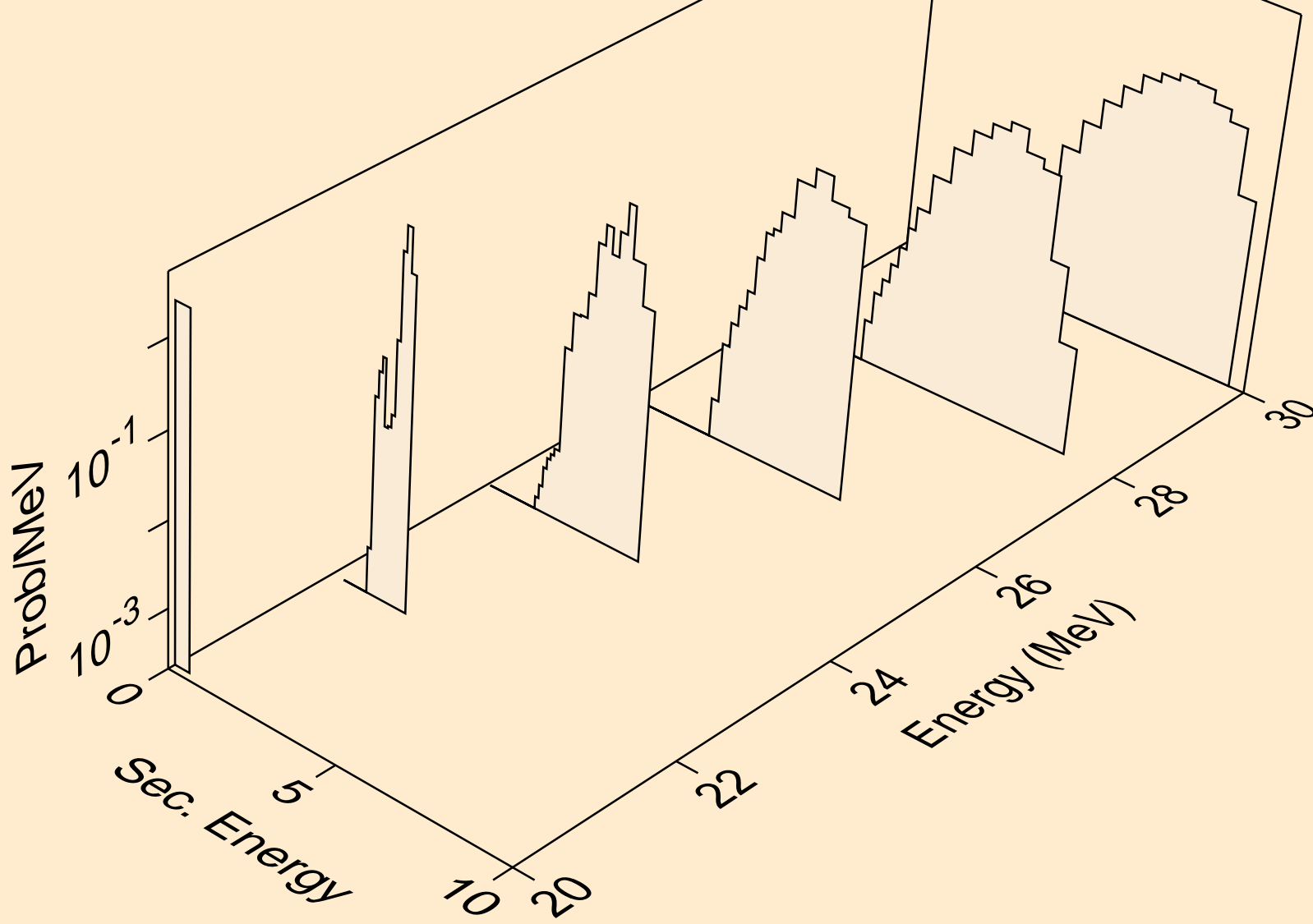
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protons from (n,p)



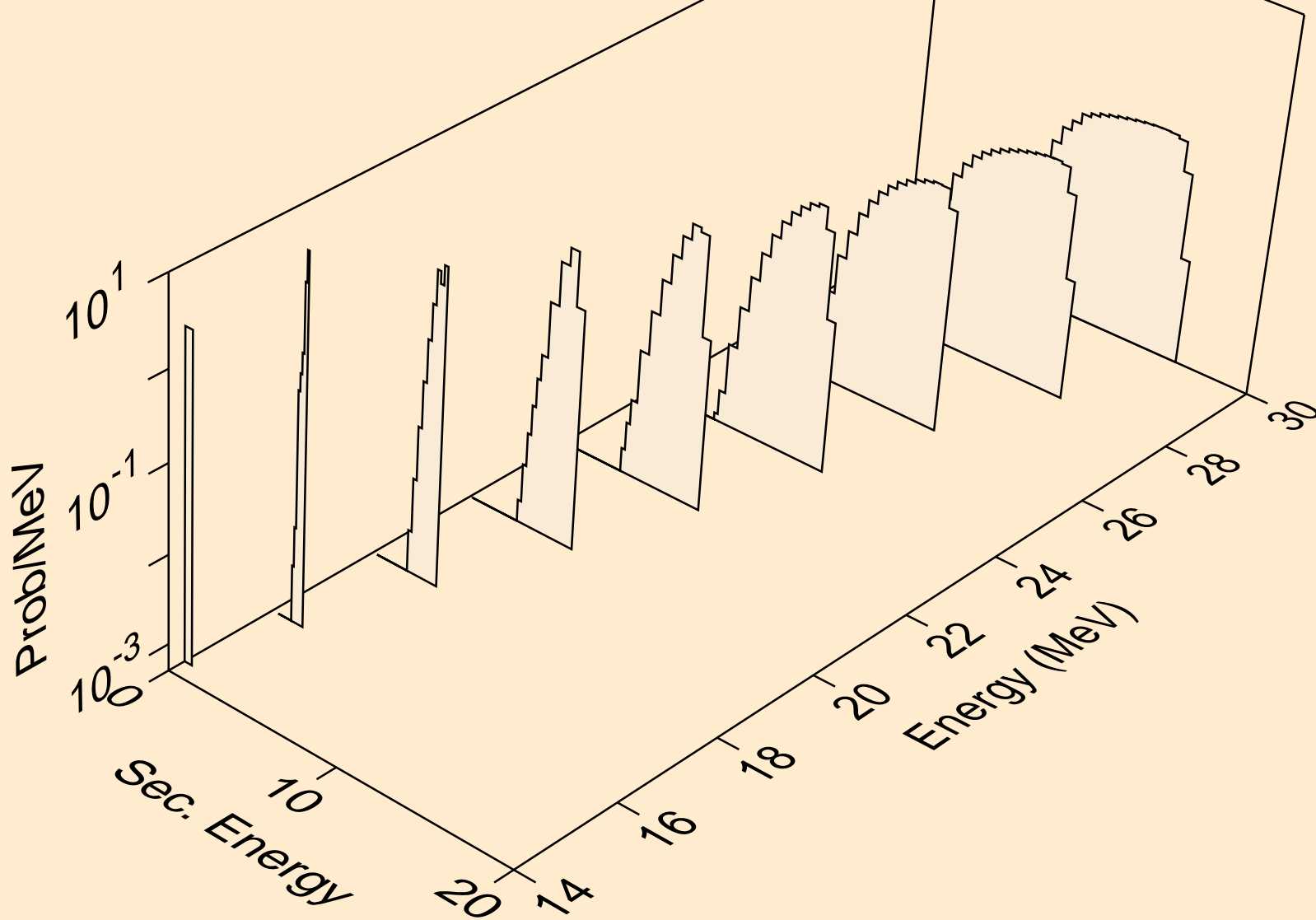
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)



AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)

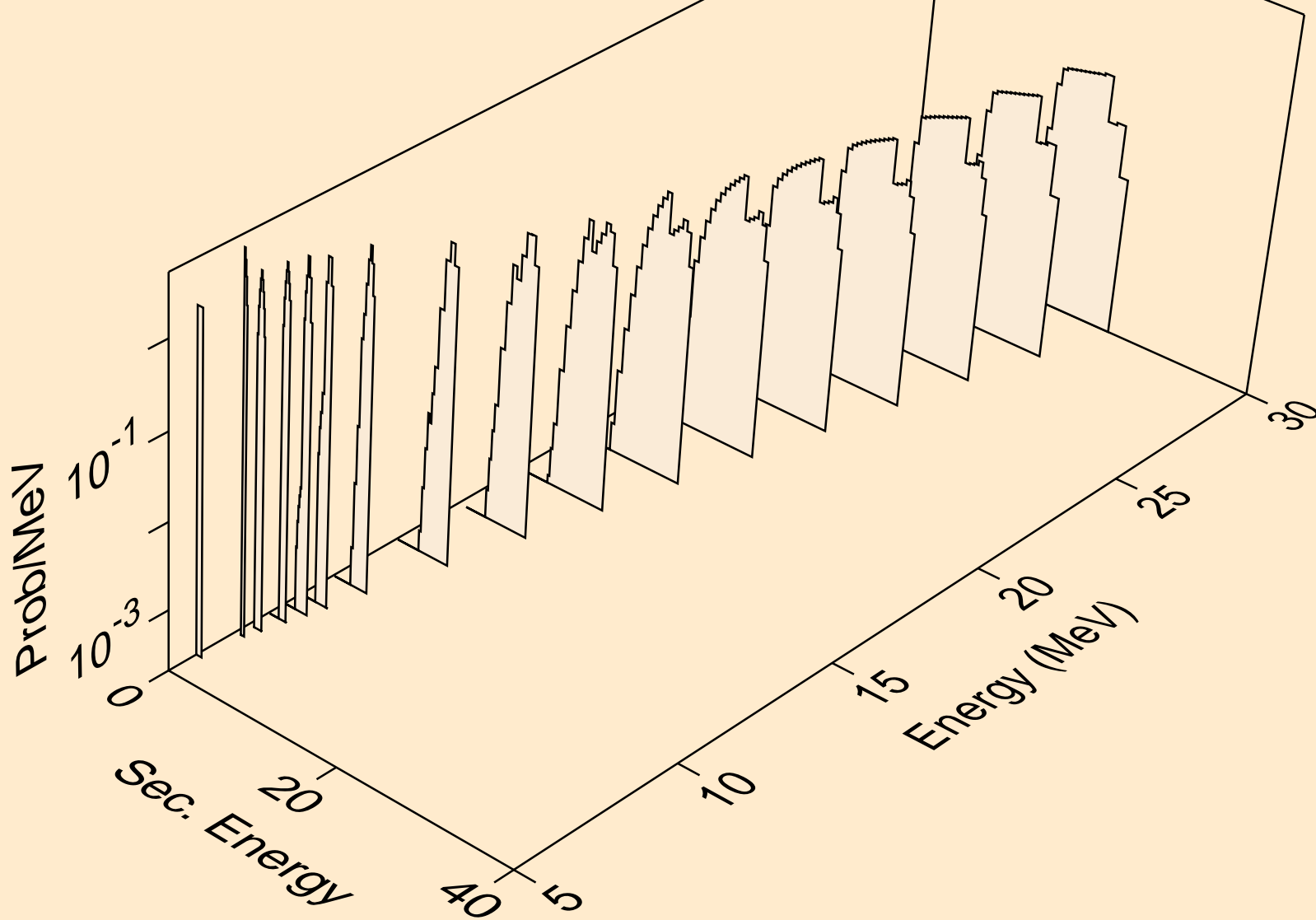


AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d

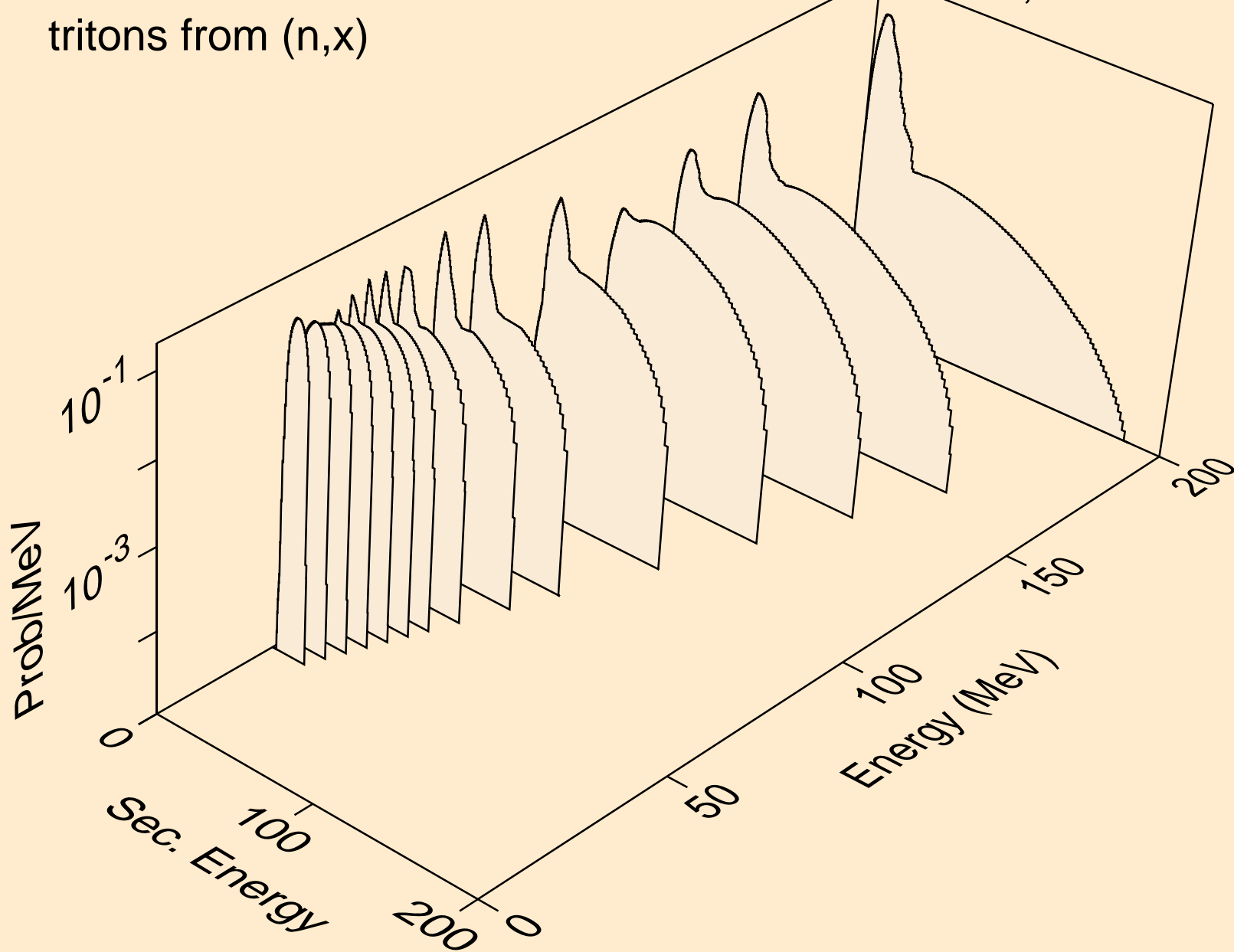




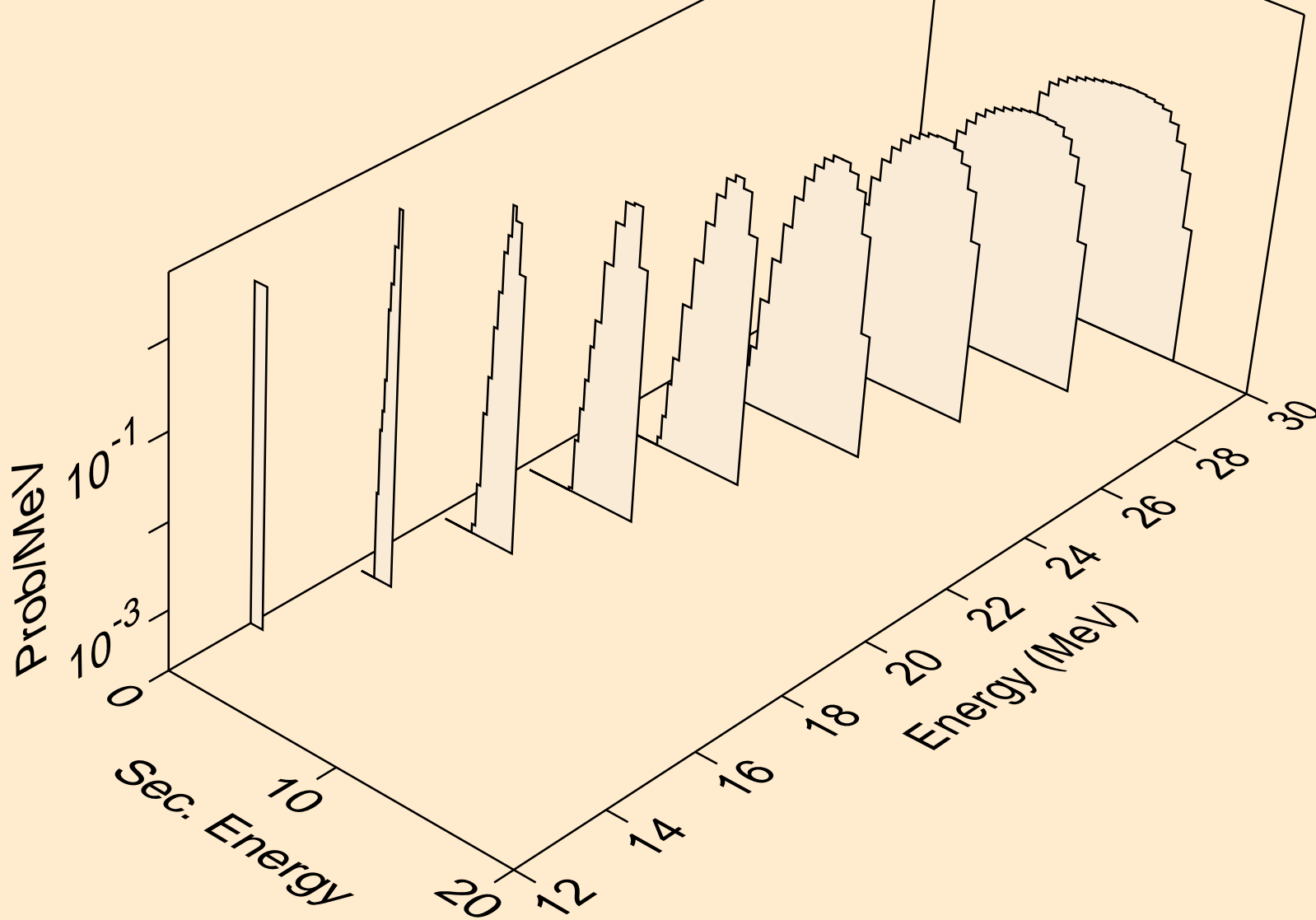
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deuterons from (n,d)



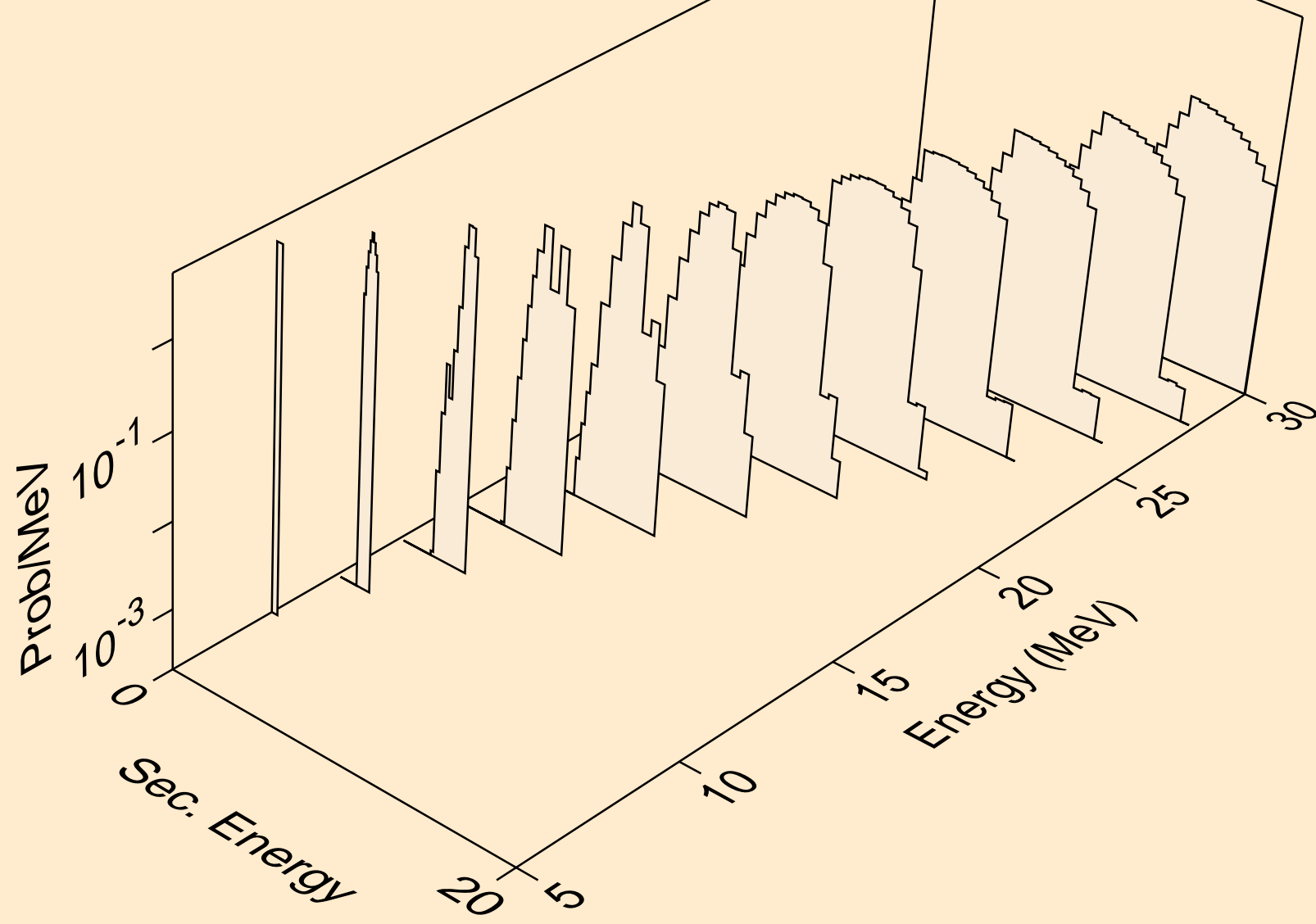
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tritons from (n,x)



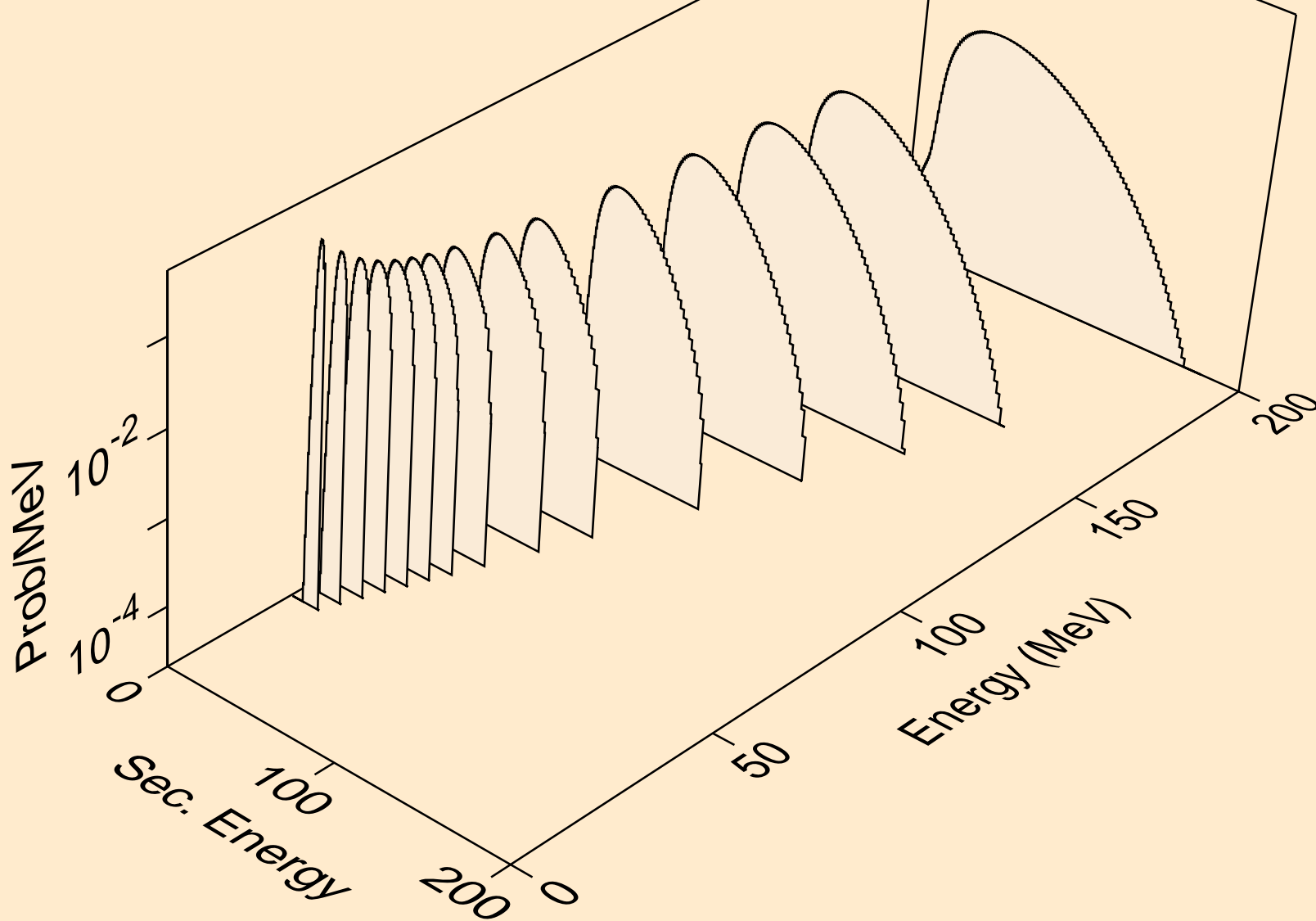
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



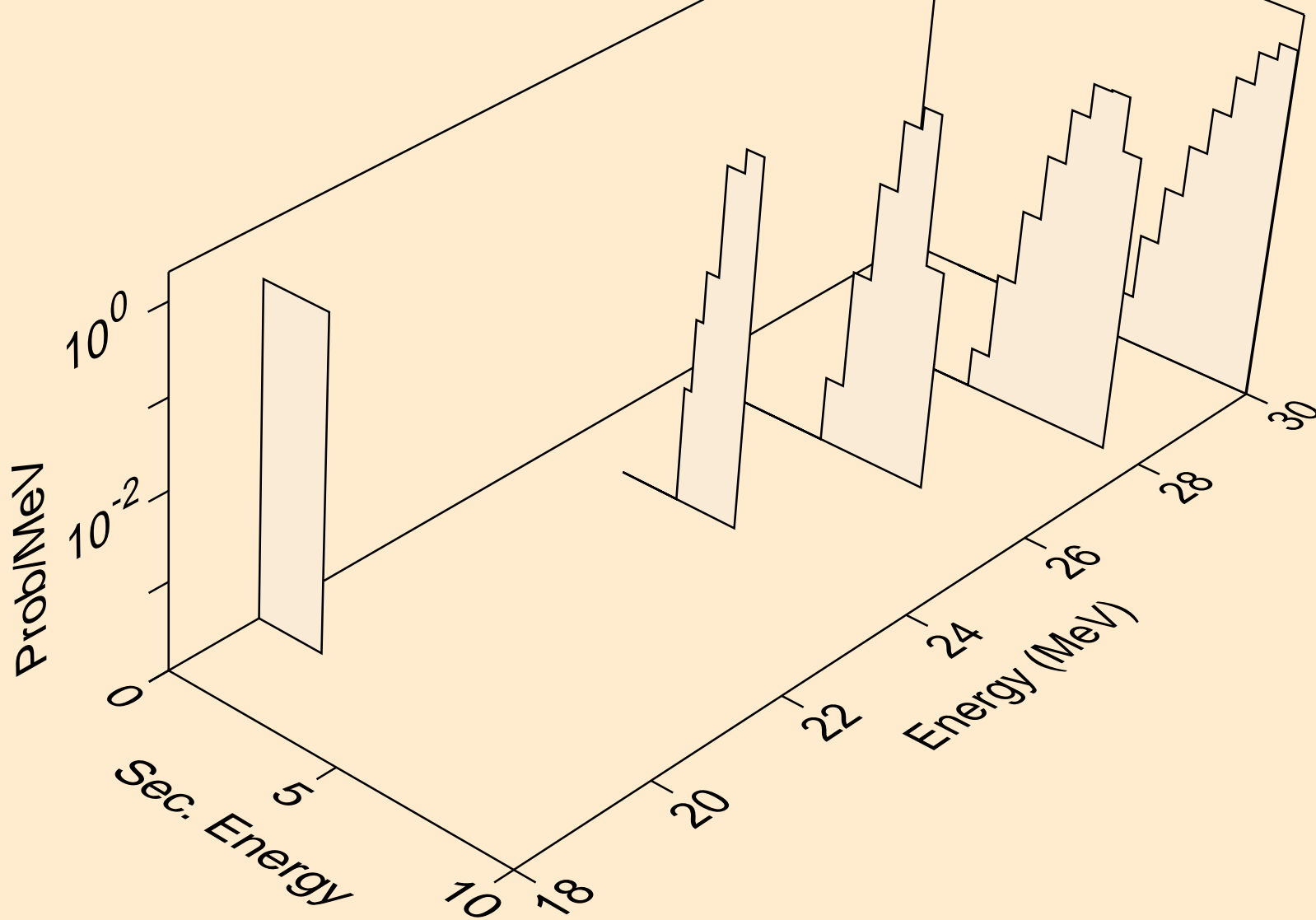
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tritons from (n,t)



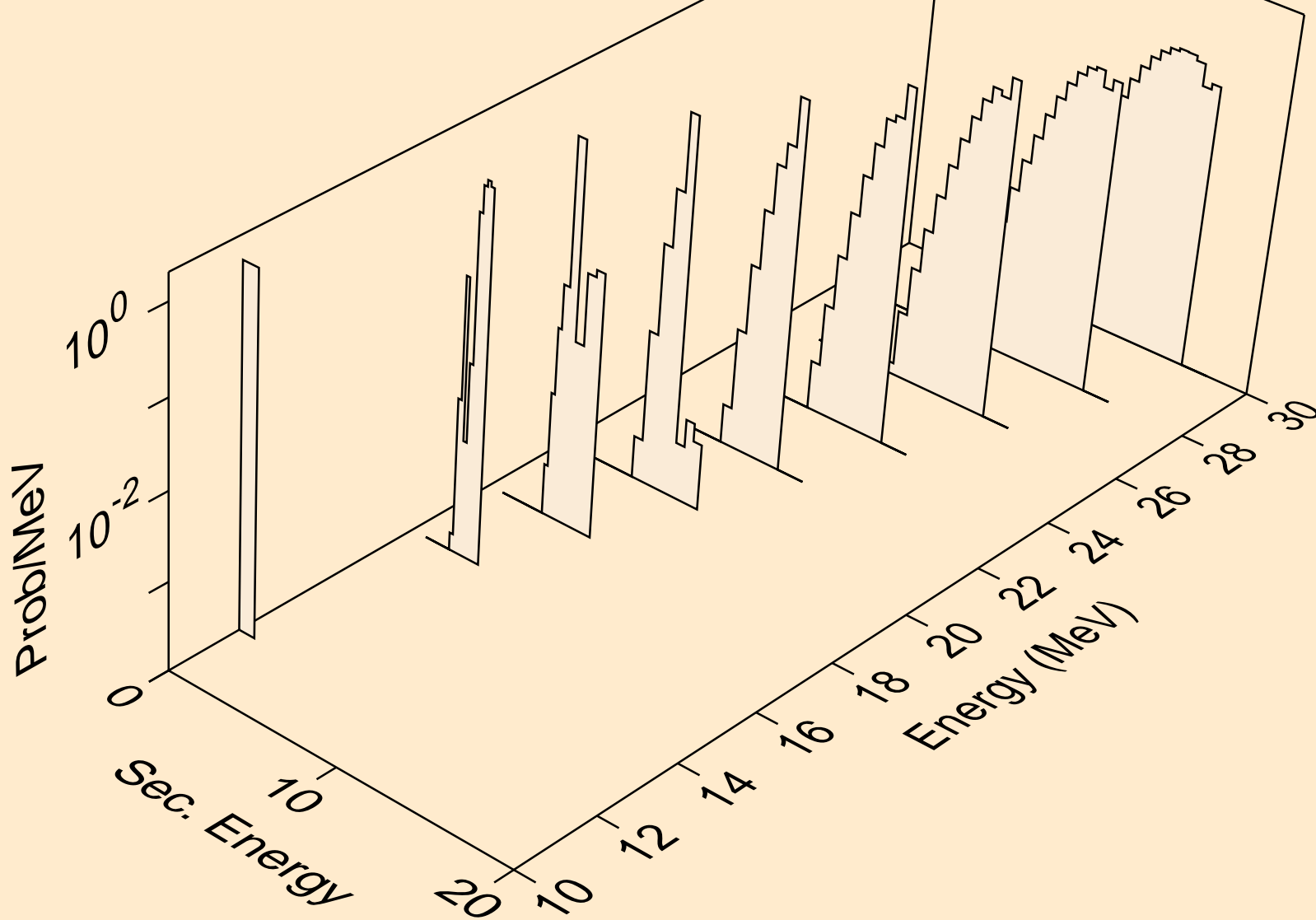
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he3s from (n,x)



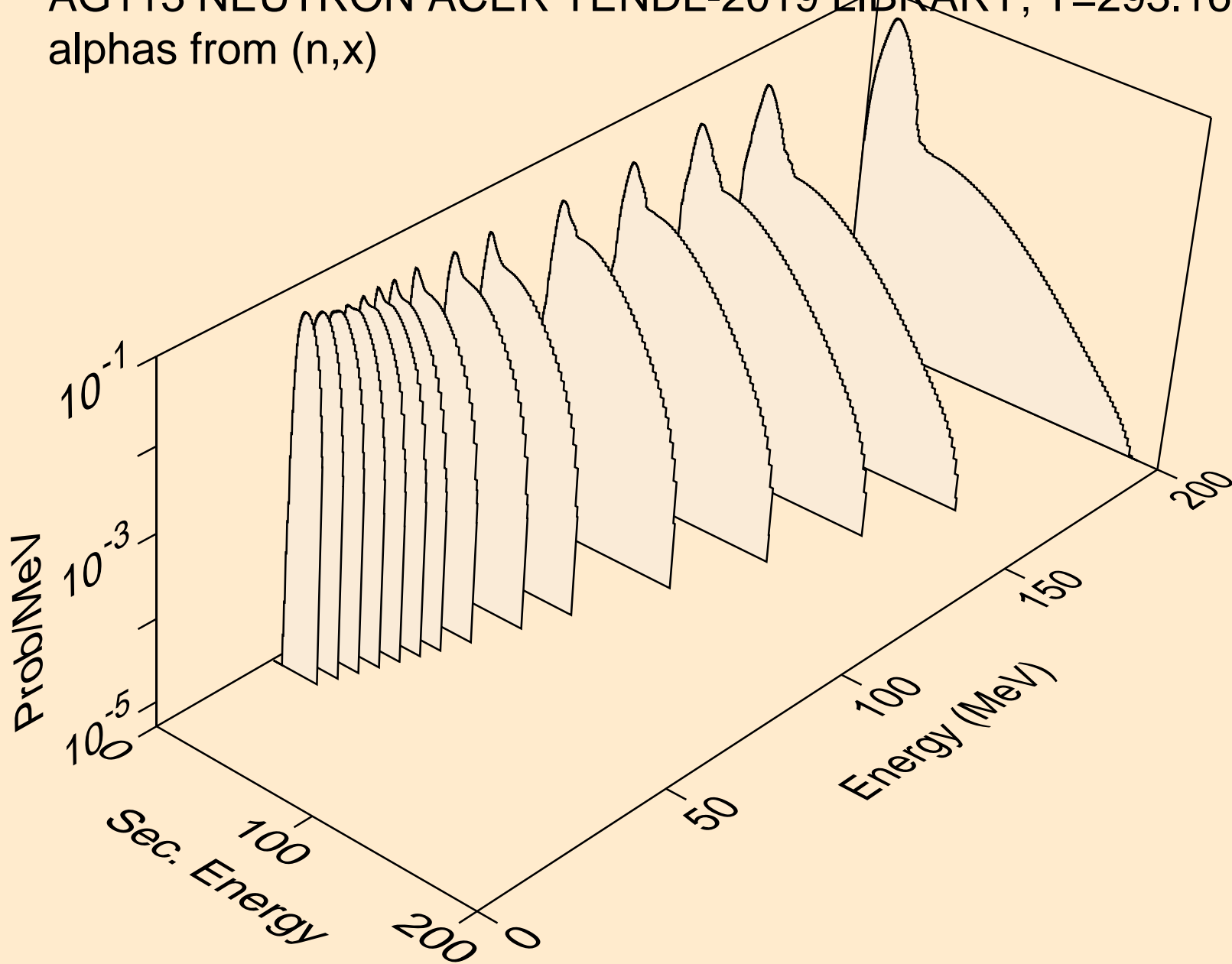
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he3s from (n,n\*)he3



AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)

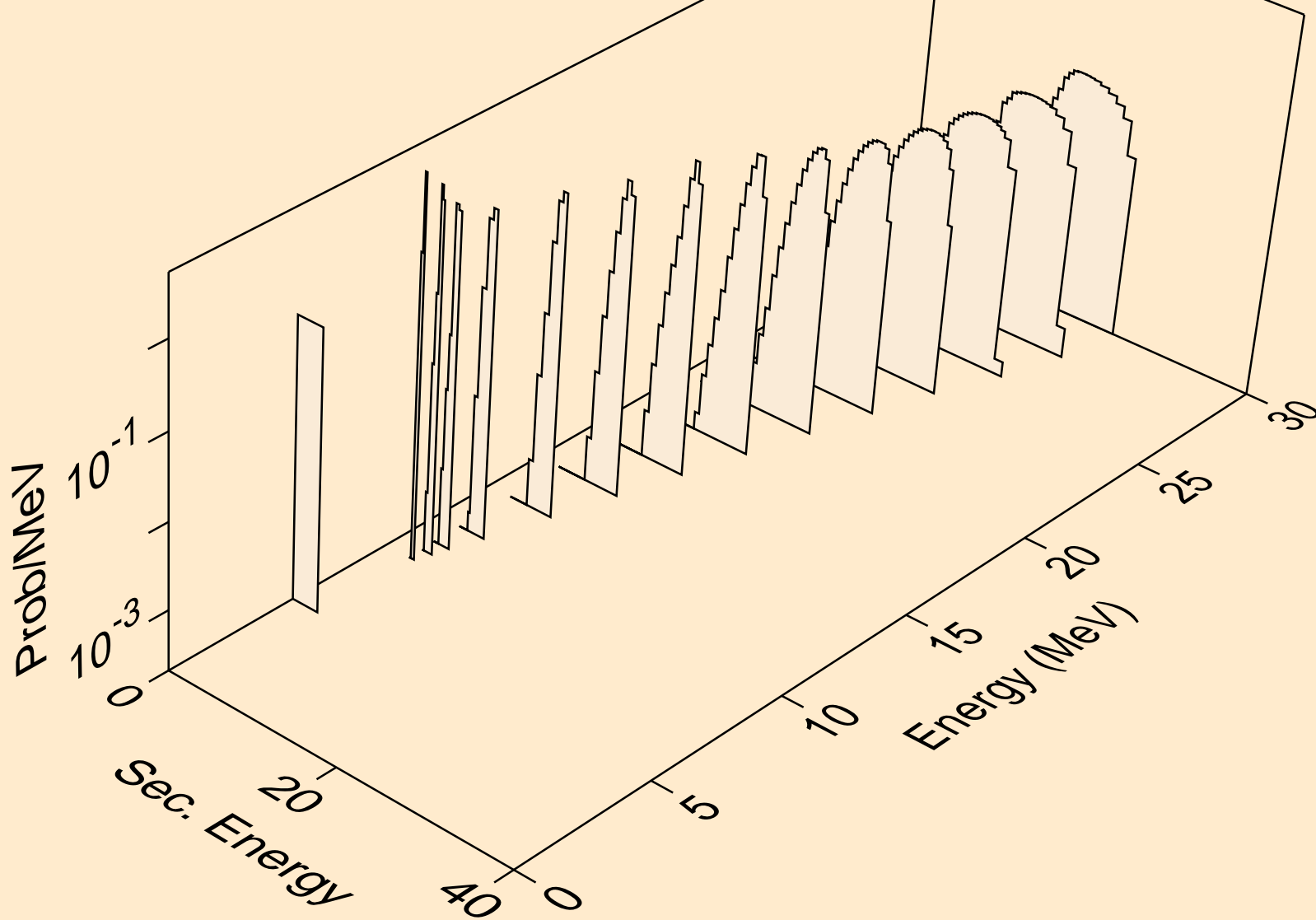


AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)

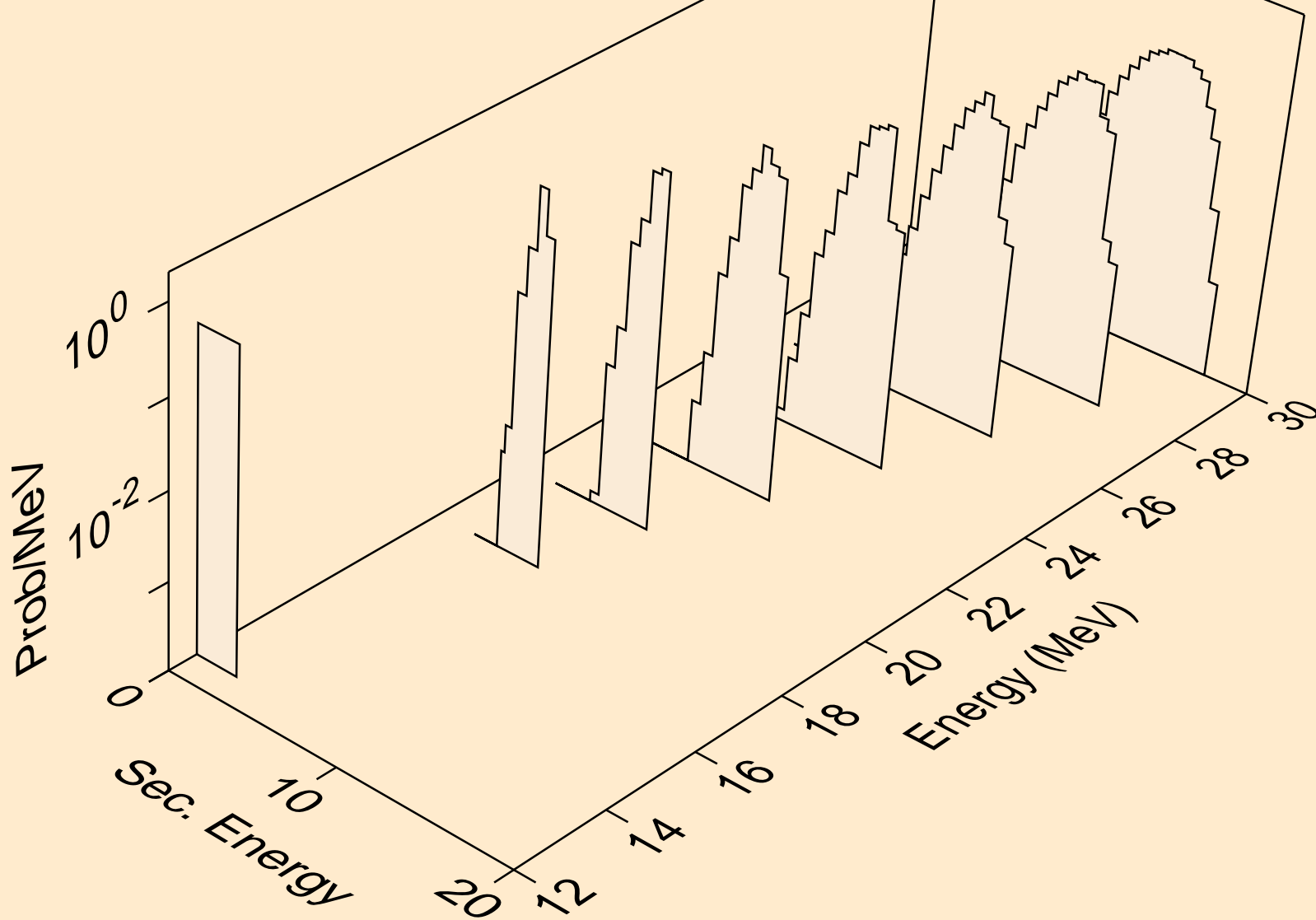




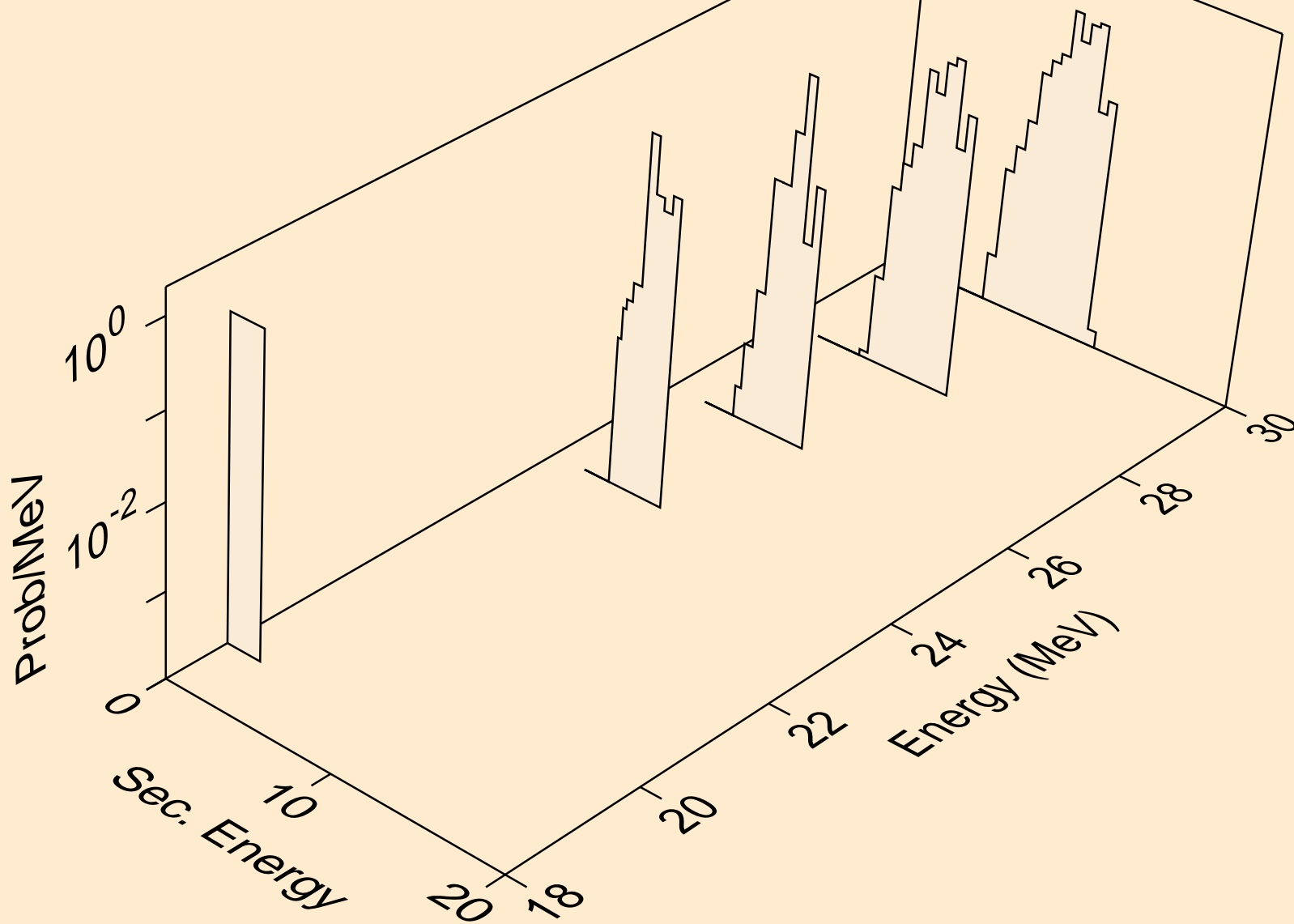
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



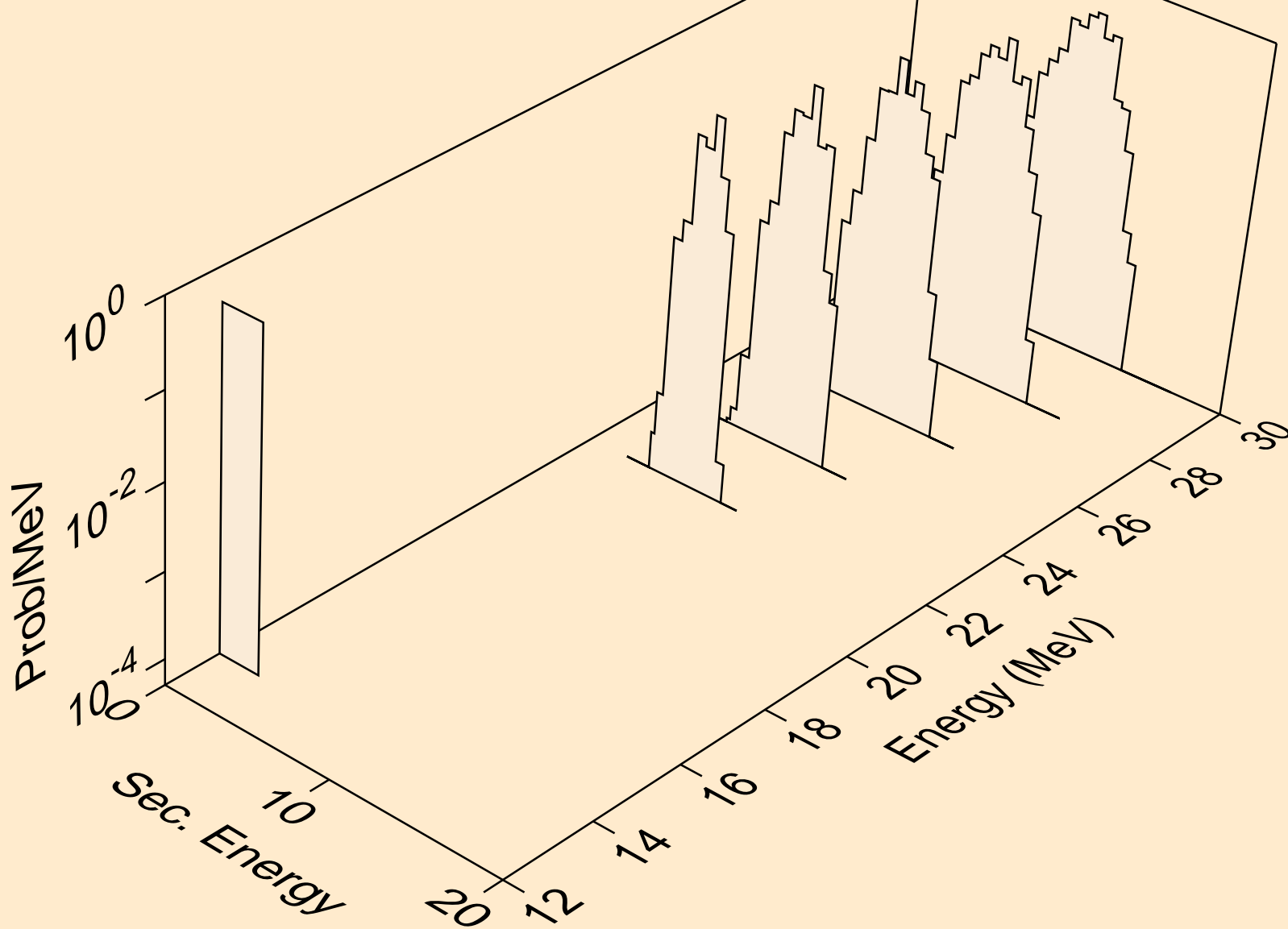
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alphas from (n,2n)a



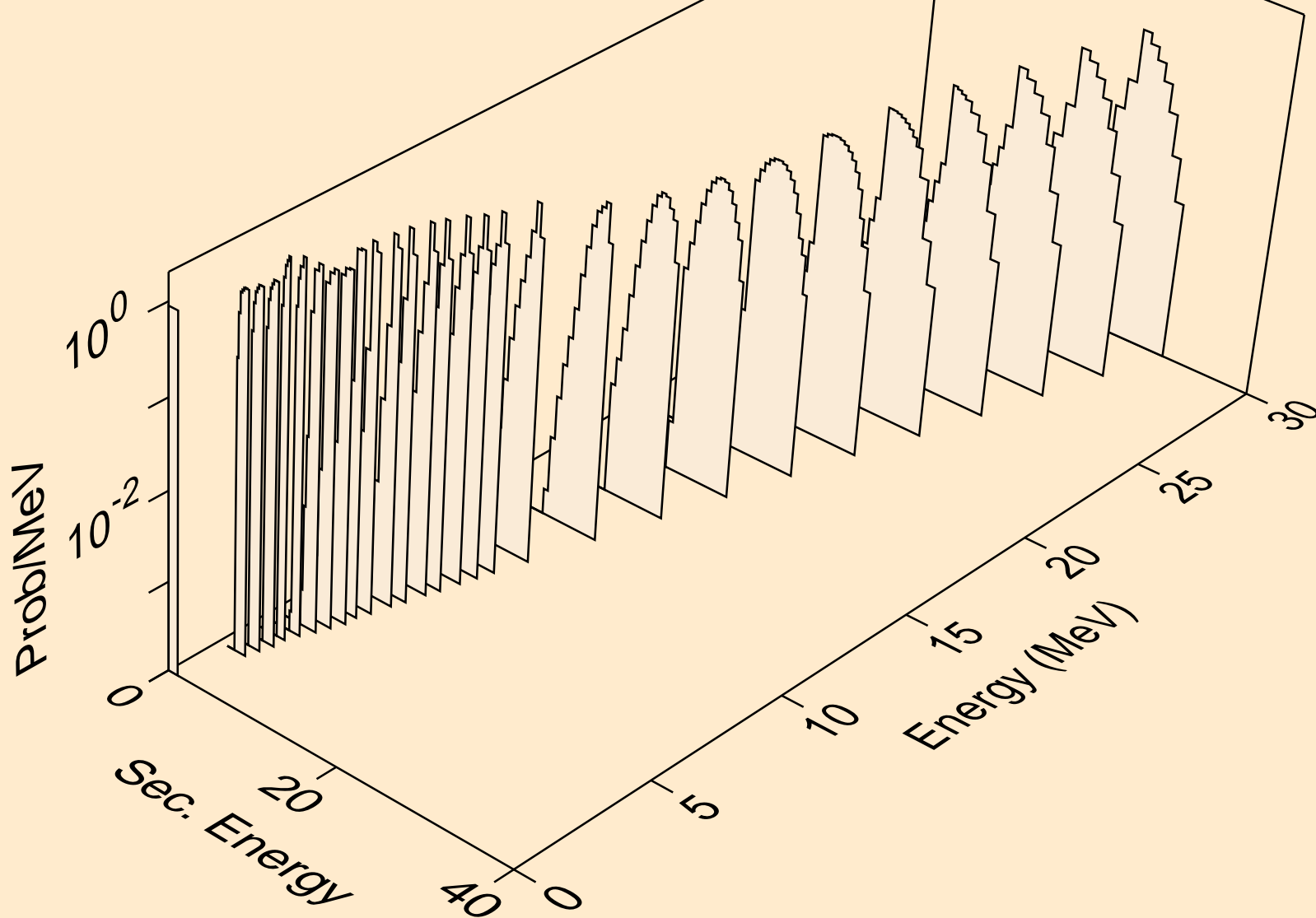
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alphas from (n,3n)a



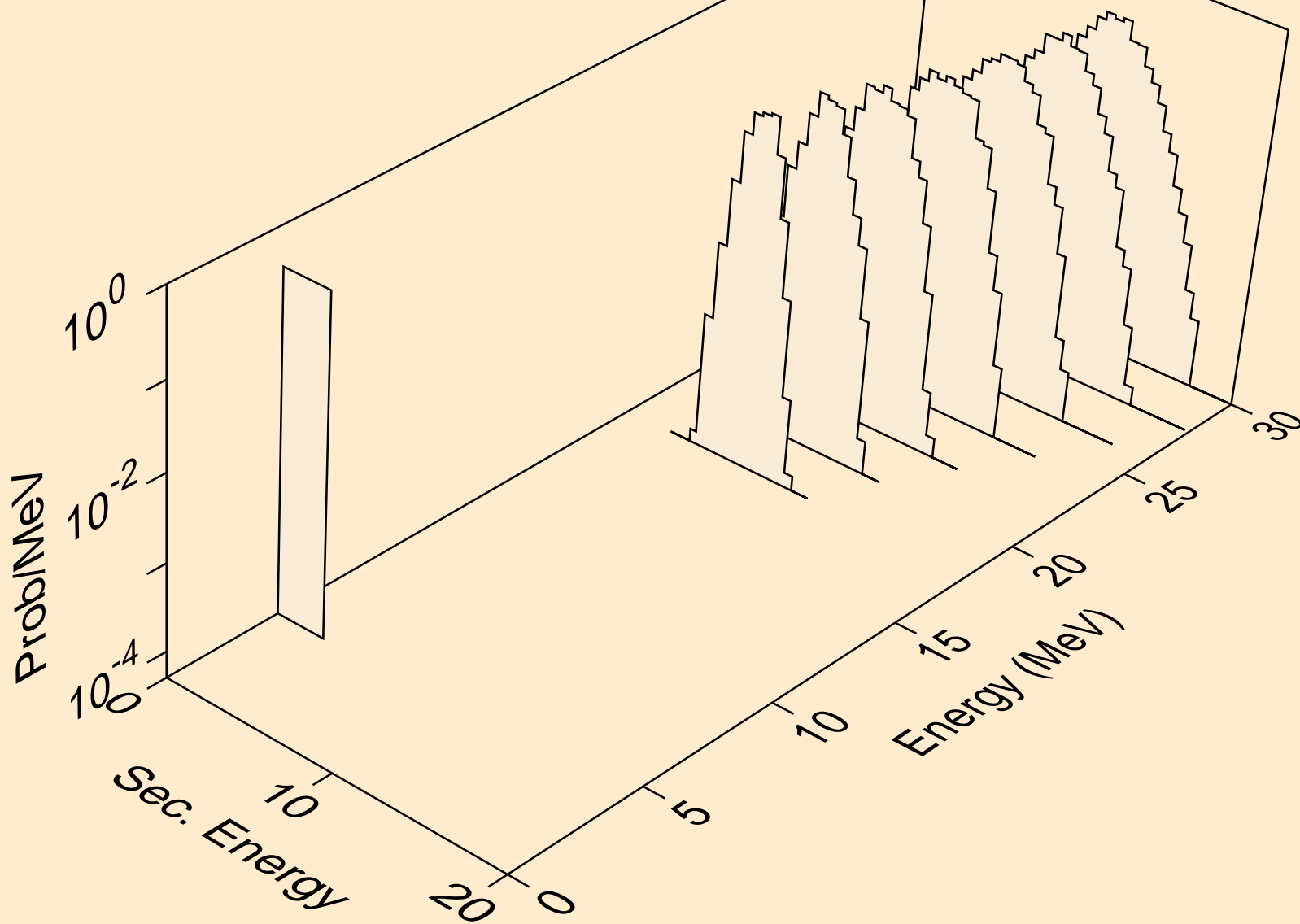
AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)



AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)



AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



AG113 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)

