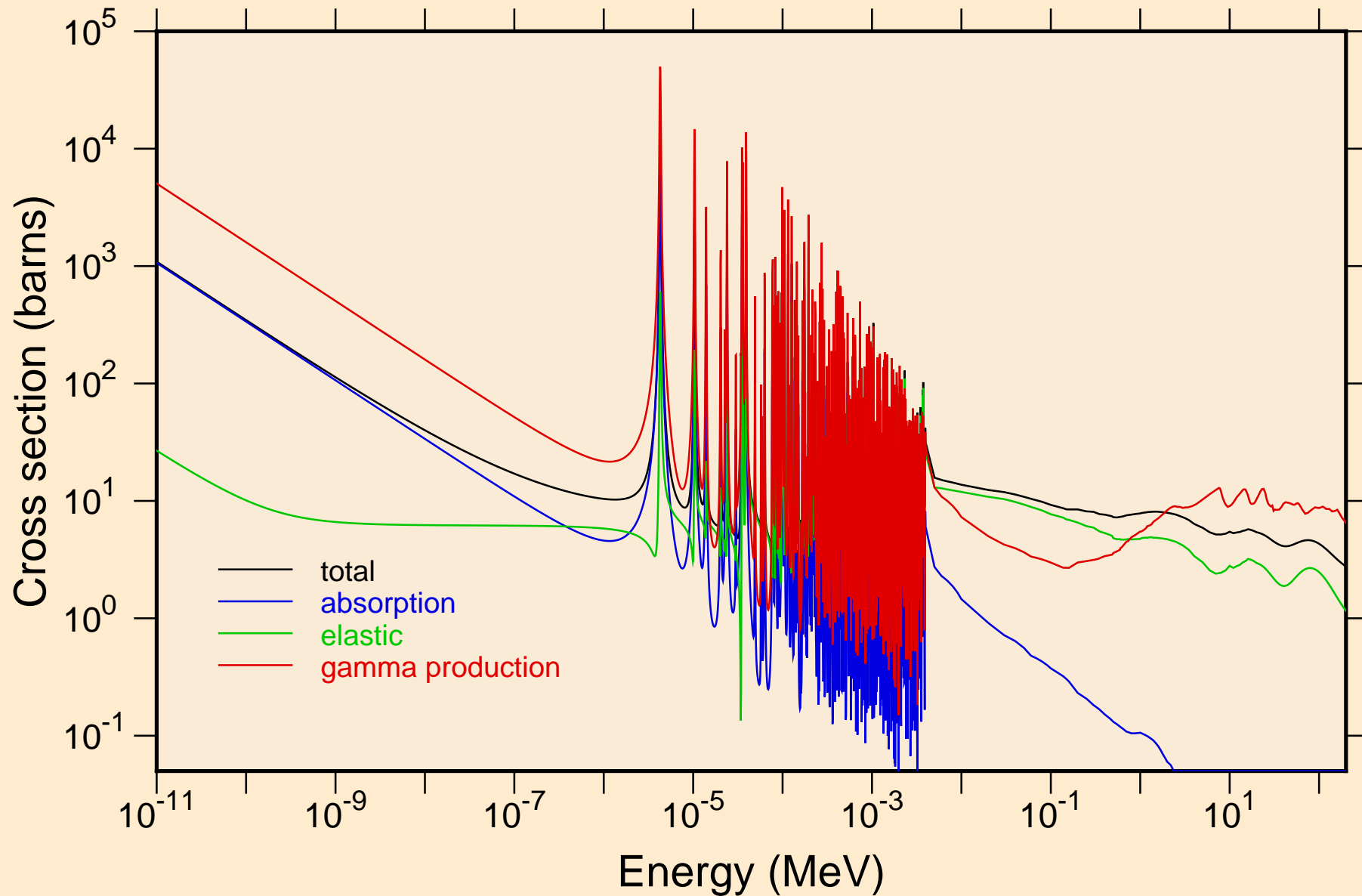
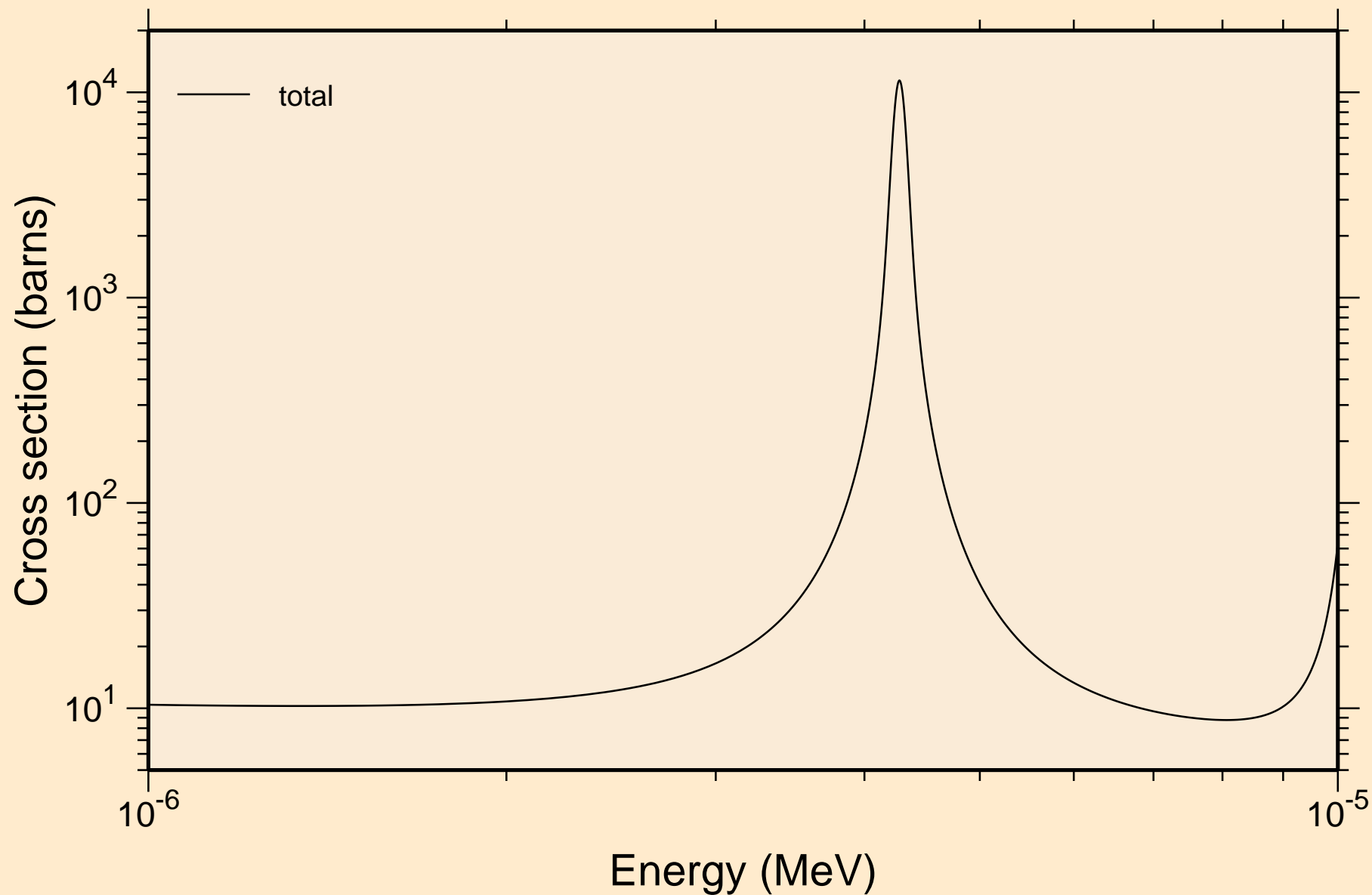


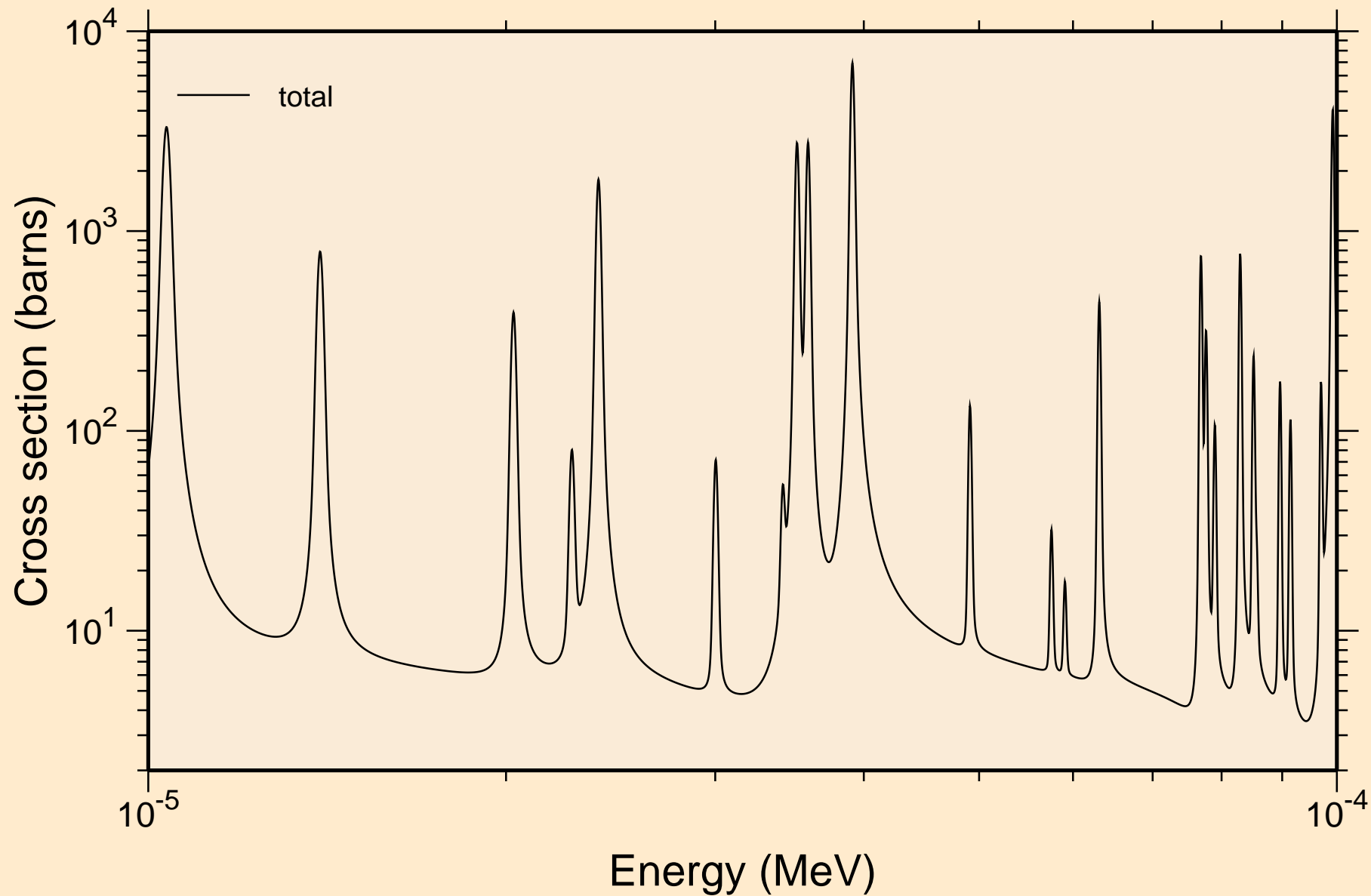
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



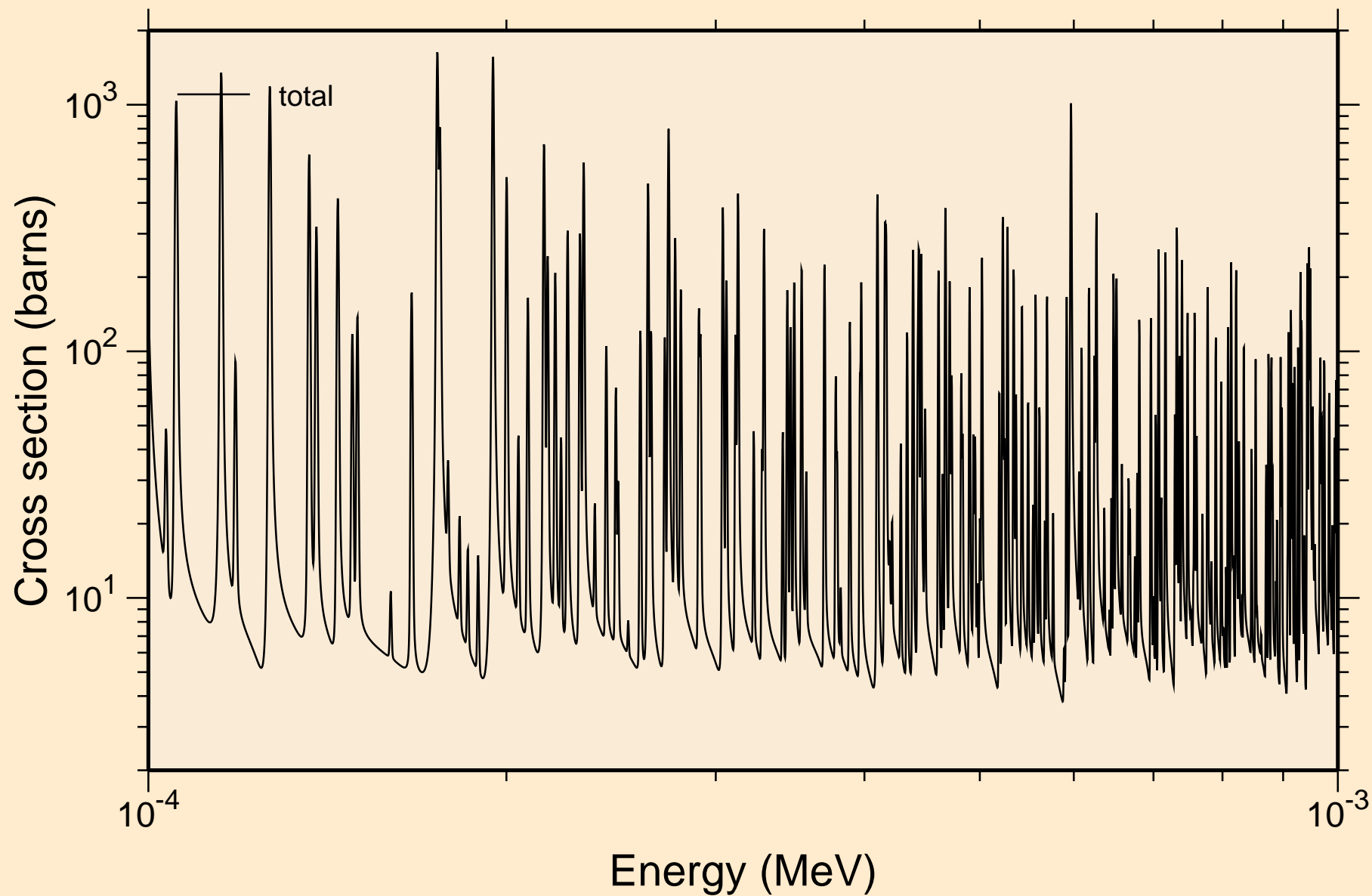
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resonance total cross section



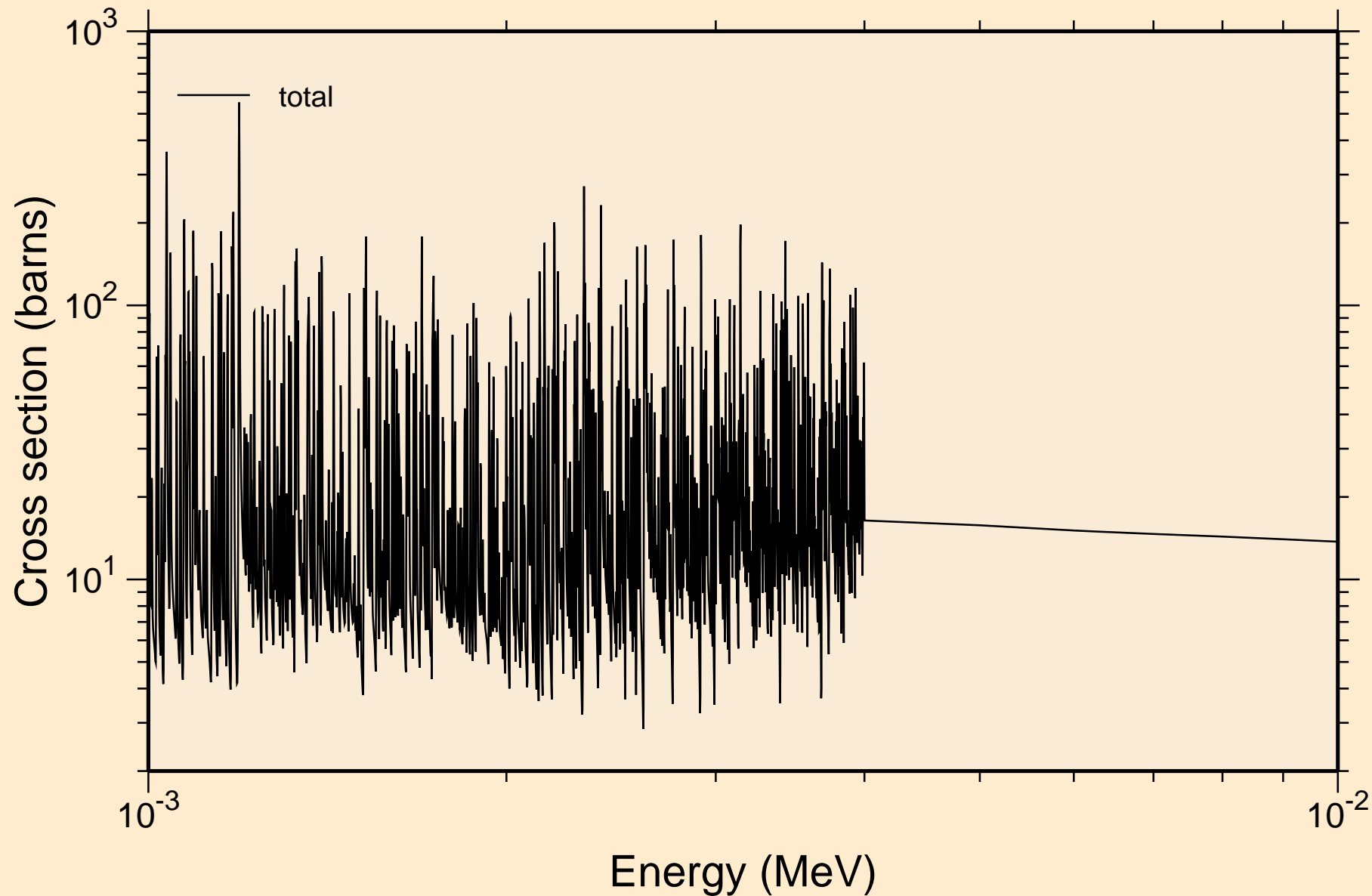
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resonance total cross section



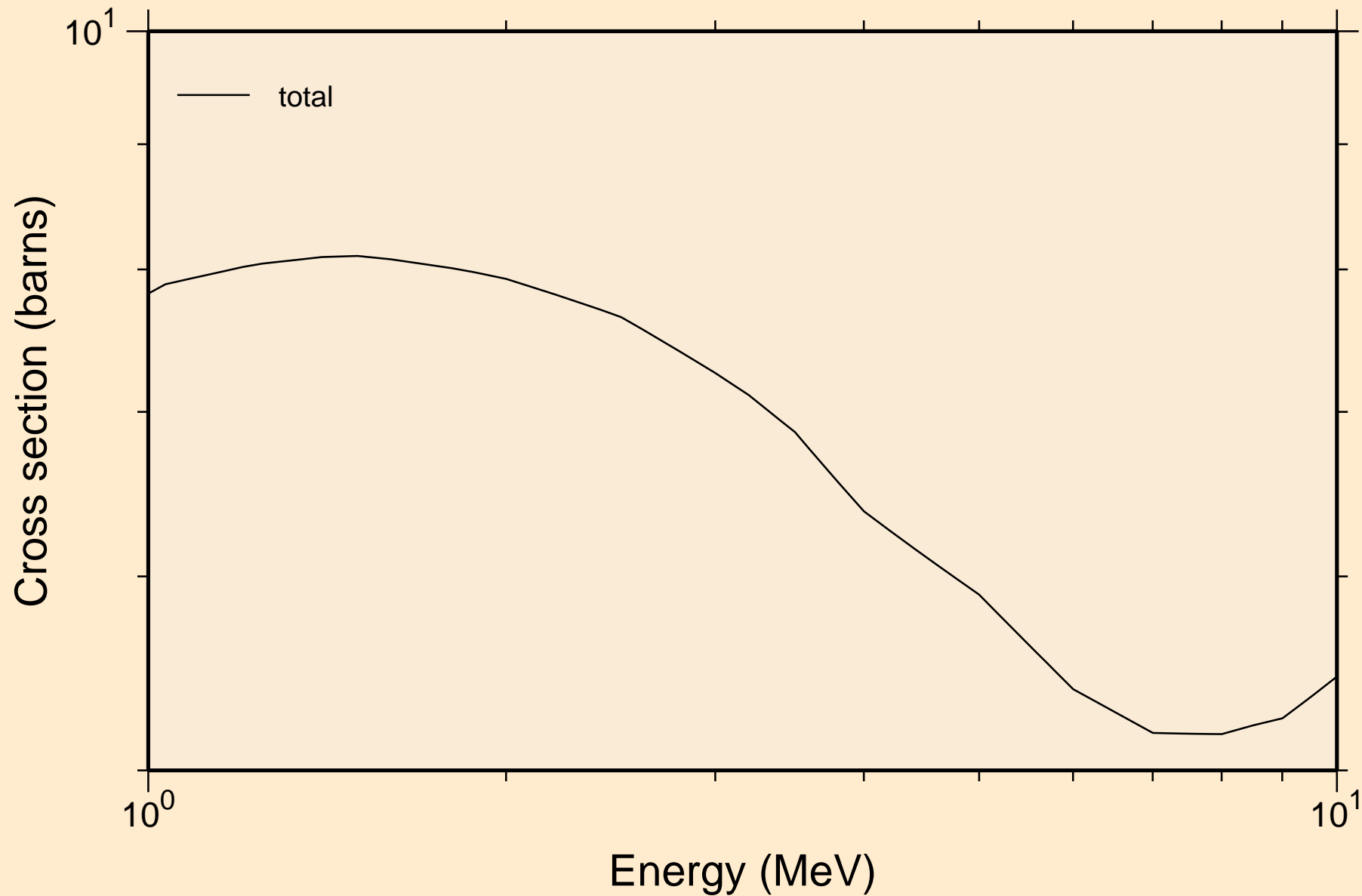
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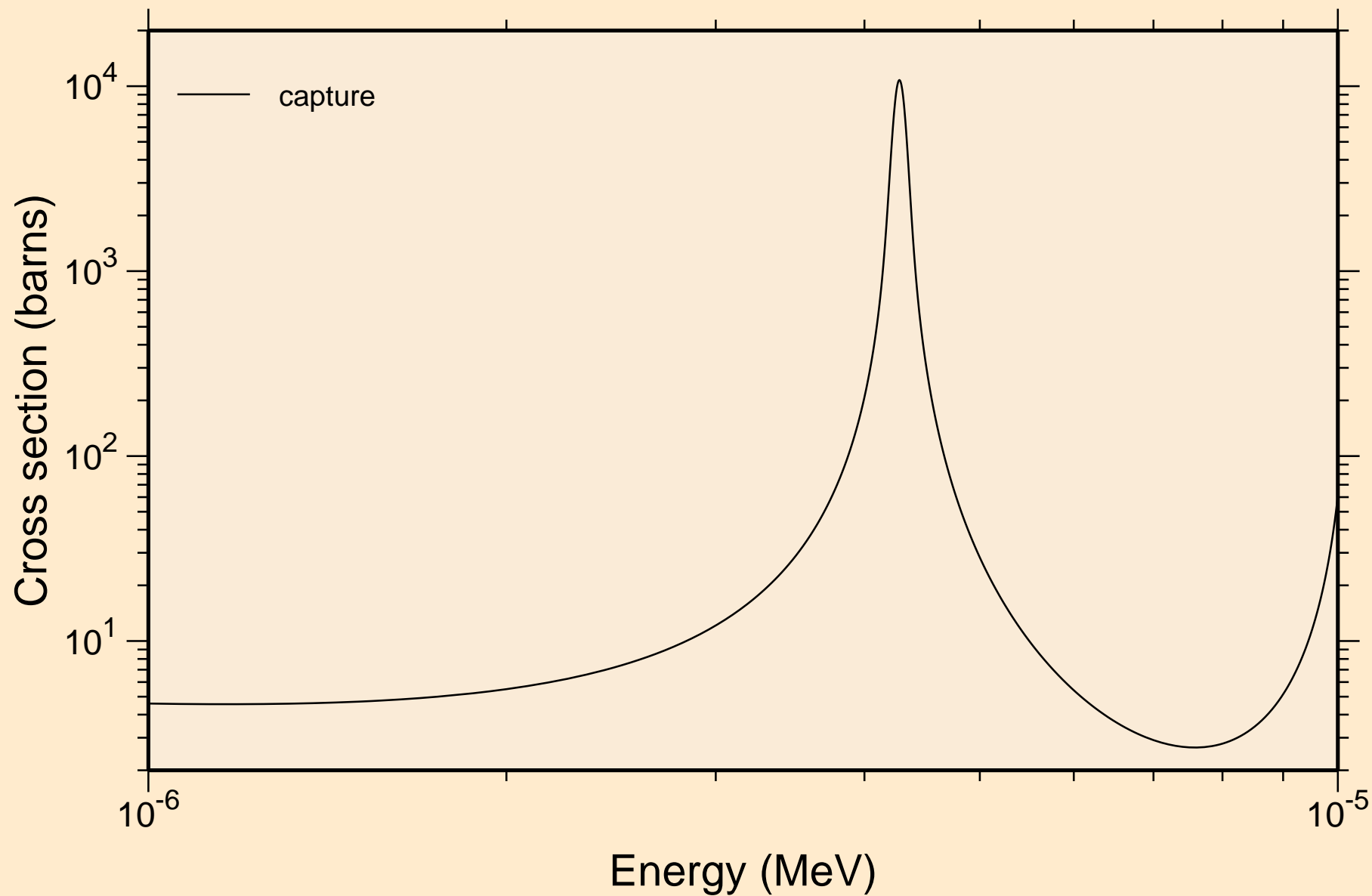
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resonance total cross section



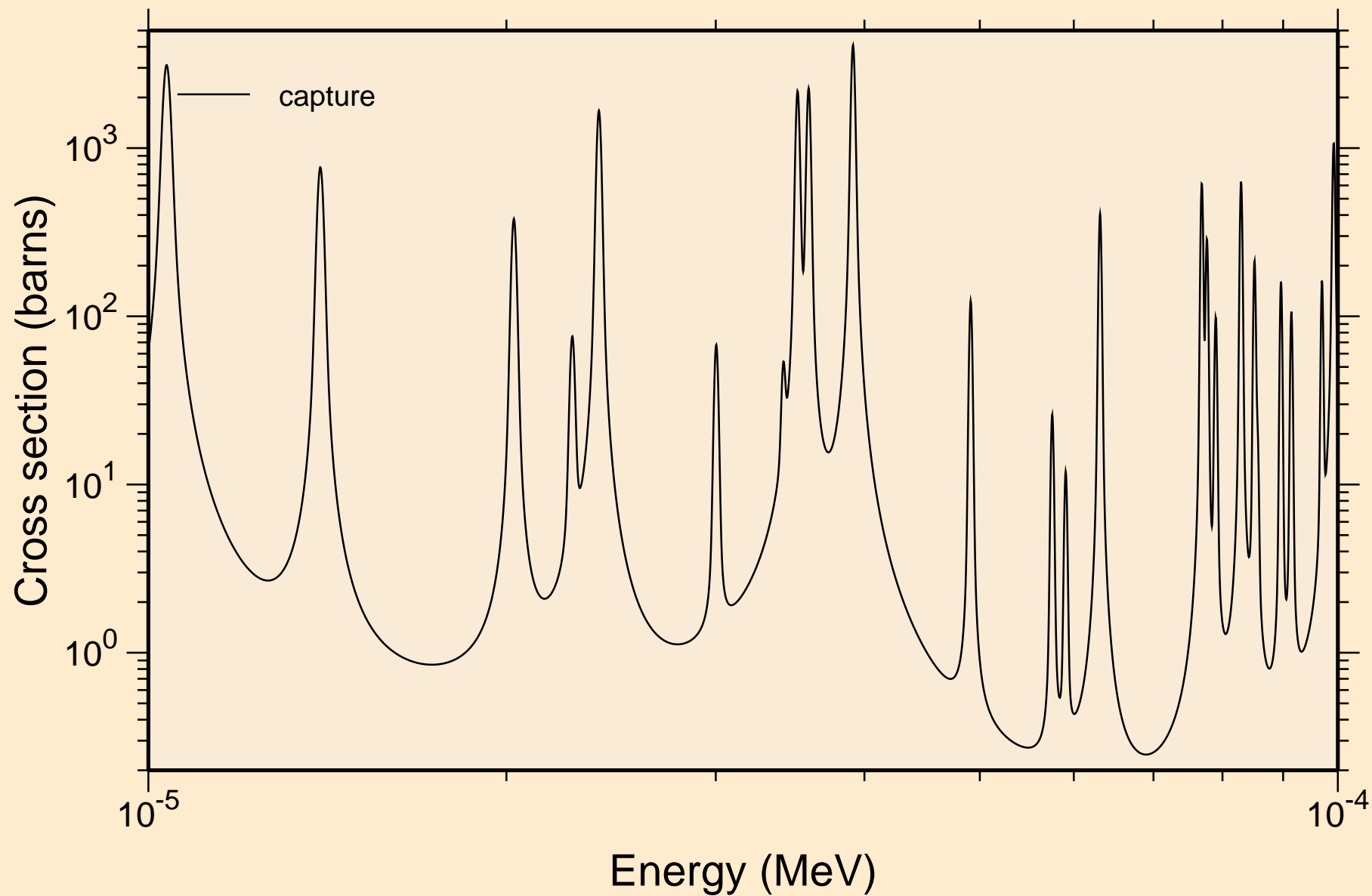
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resonance total cross section



TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

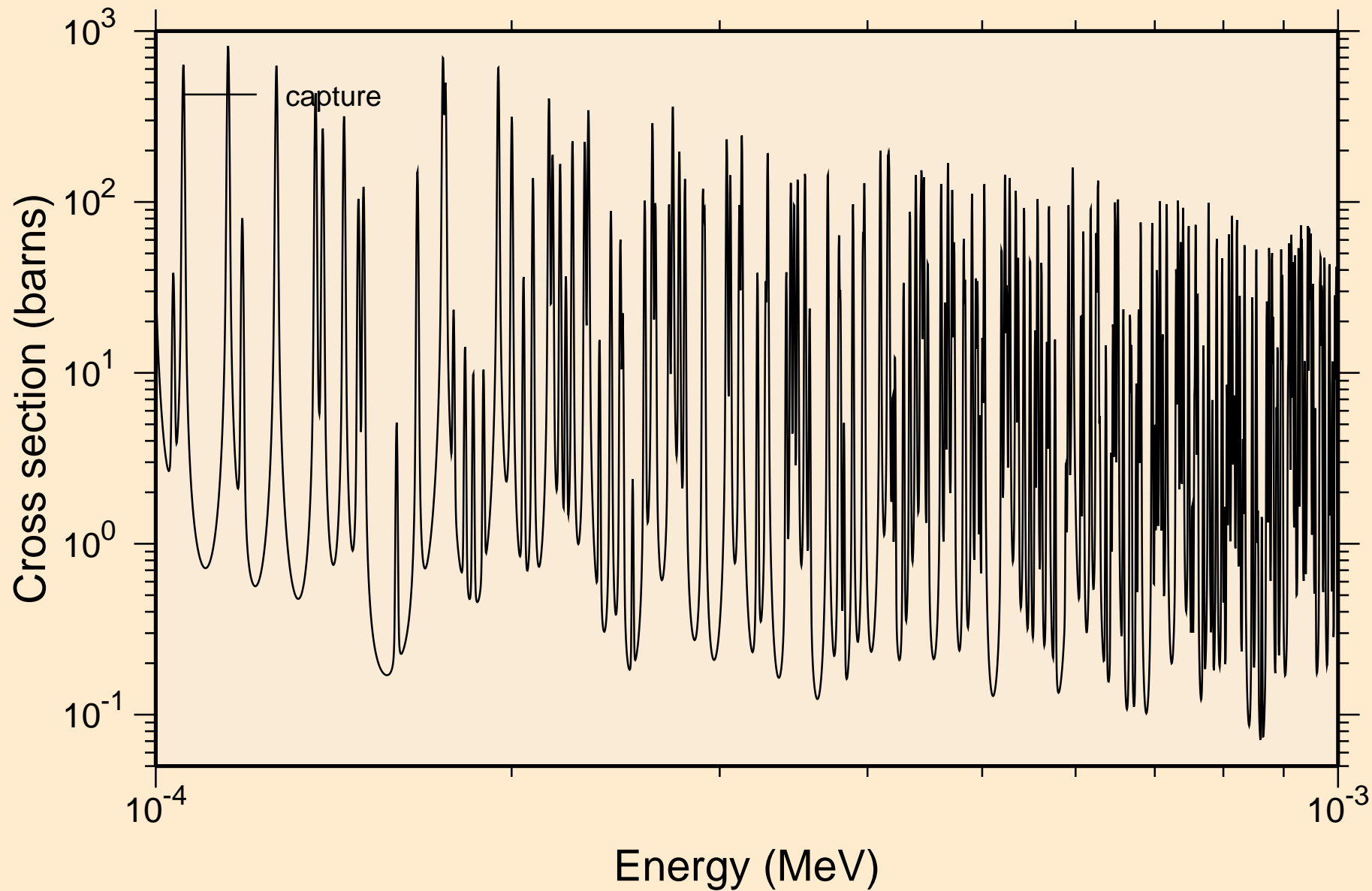


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resonance absorption cross sections

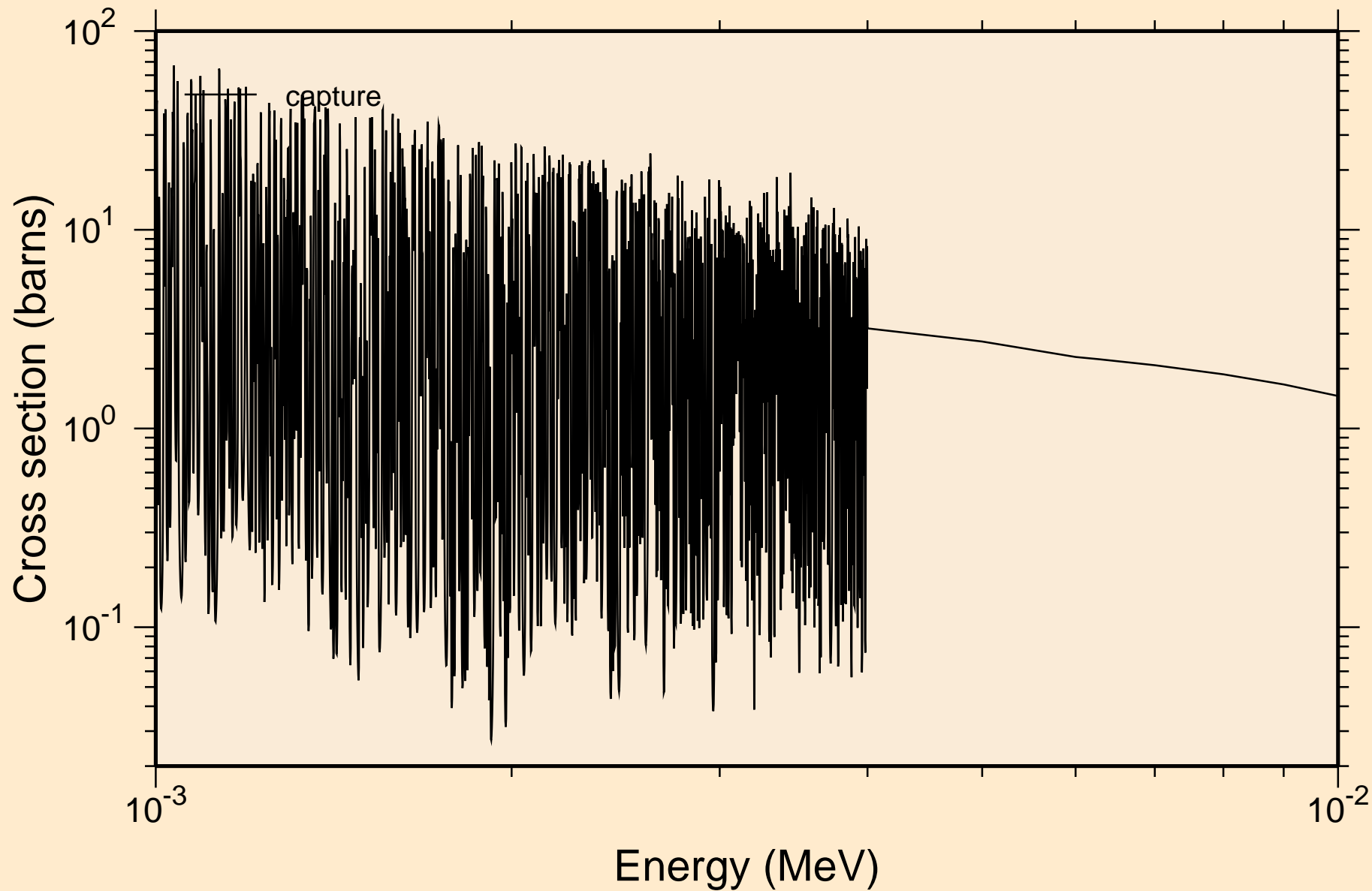




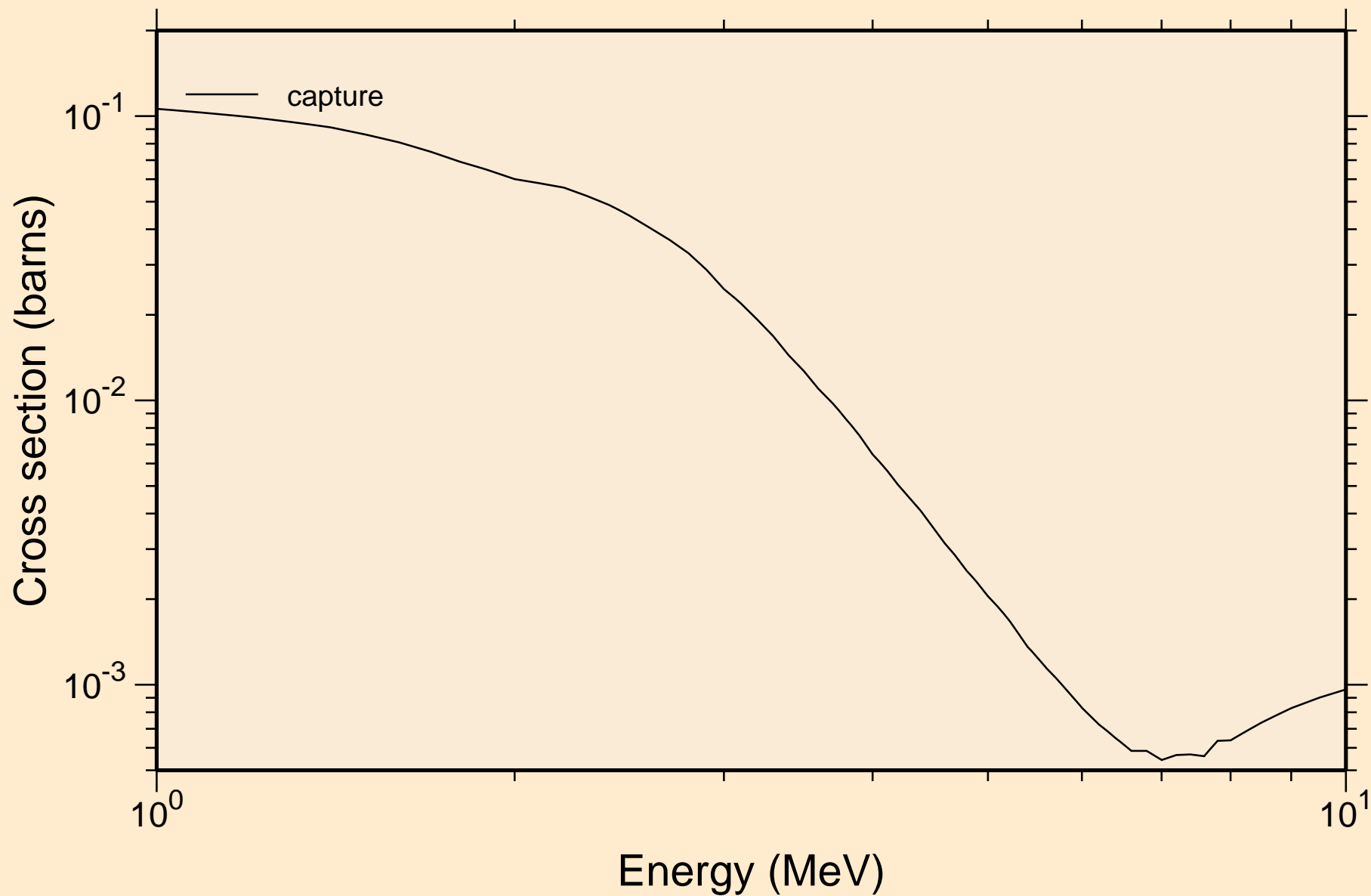
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resonance absorption cross sections



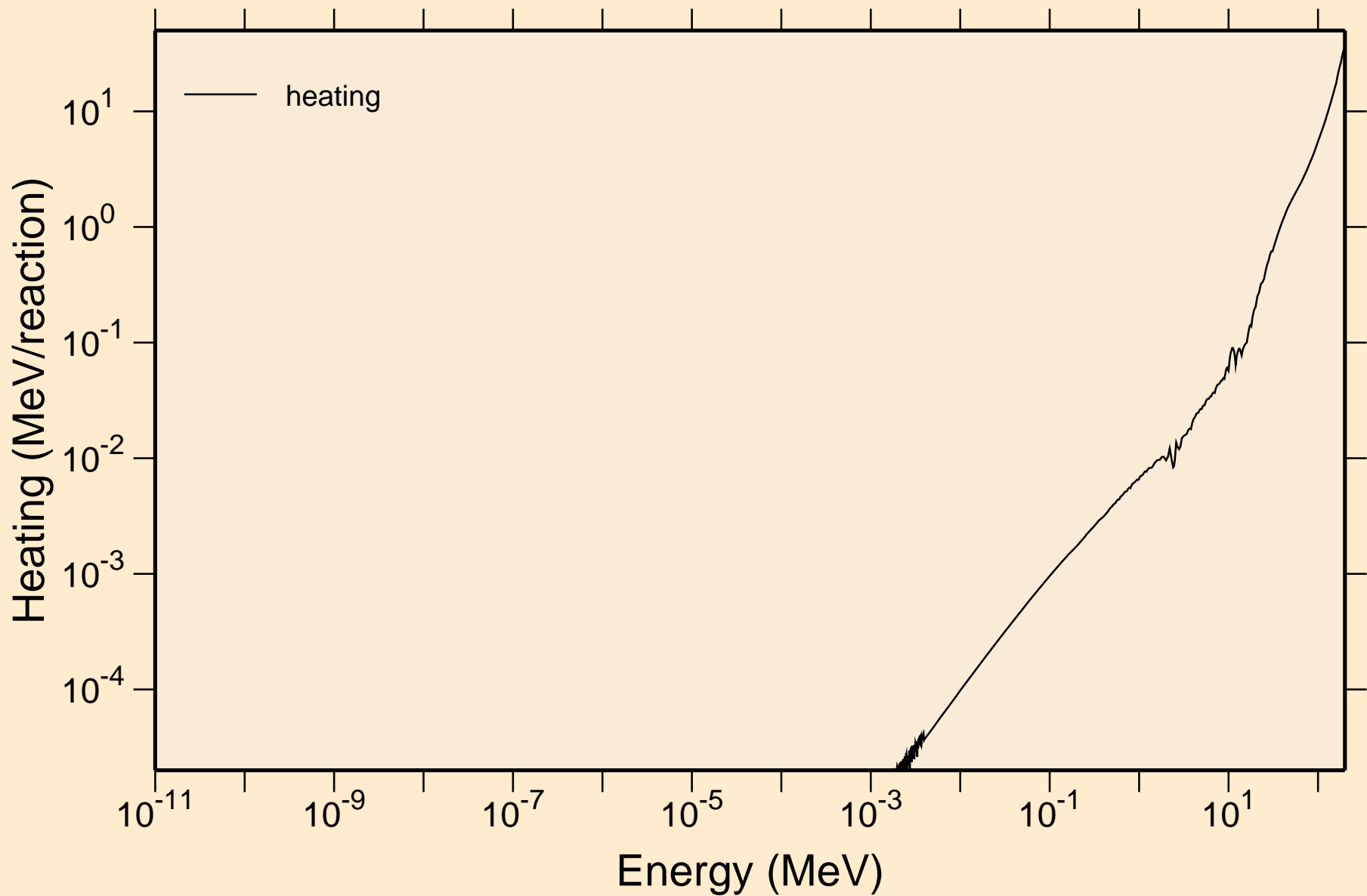
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resonance absorption cross sections



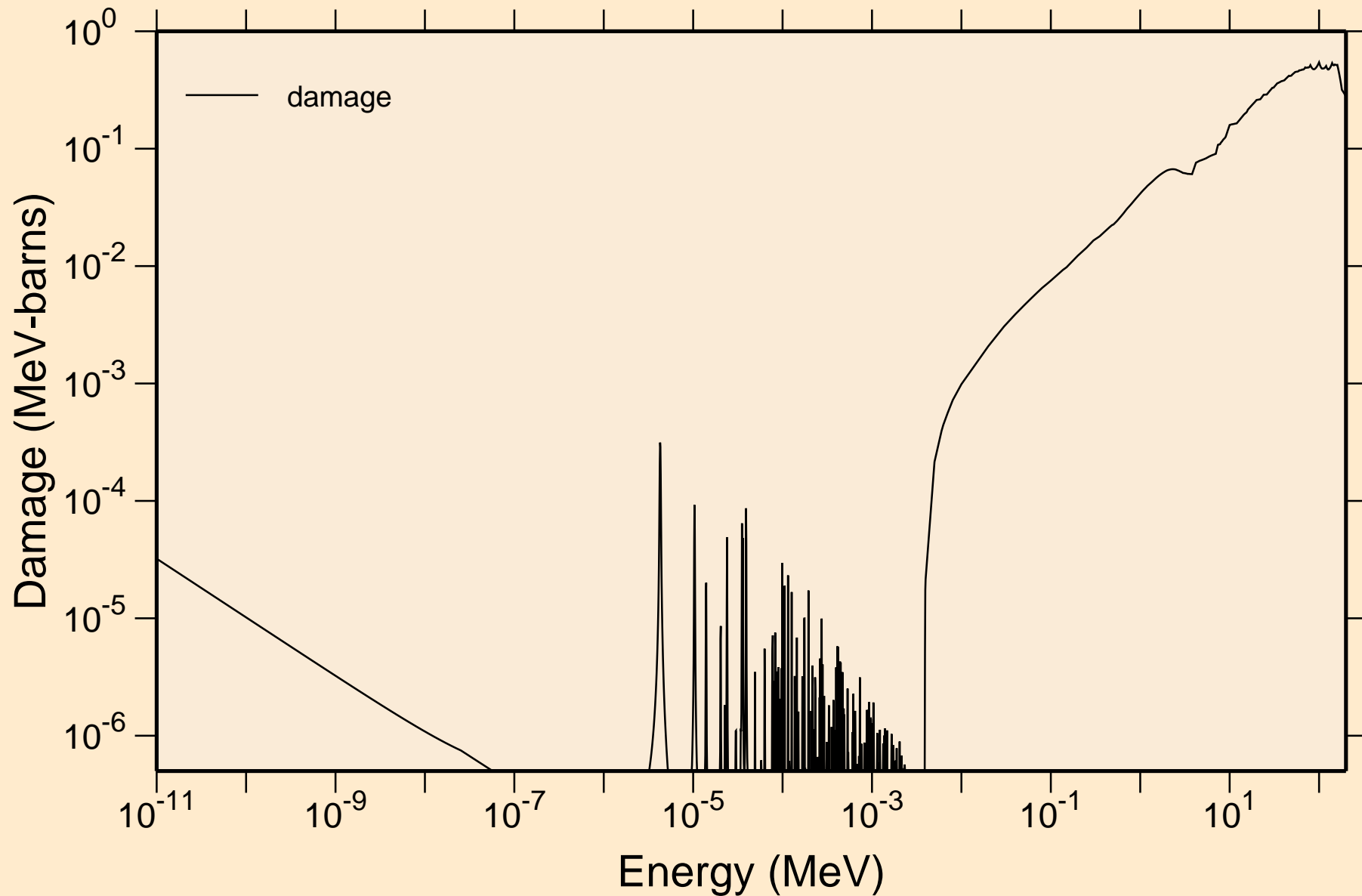
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resonance absorption cross sections



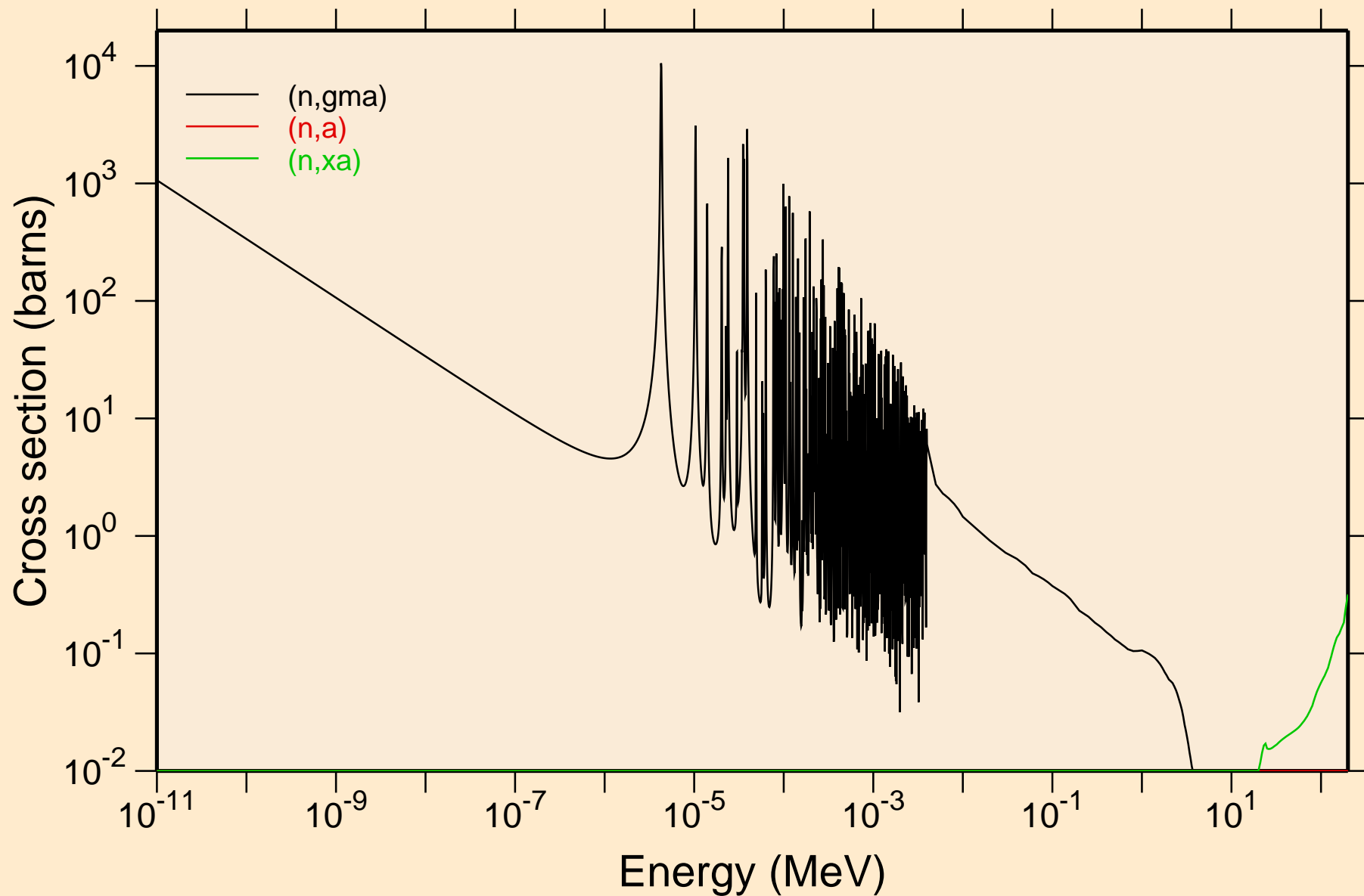
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



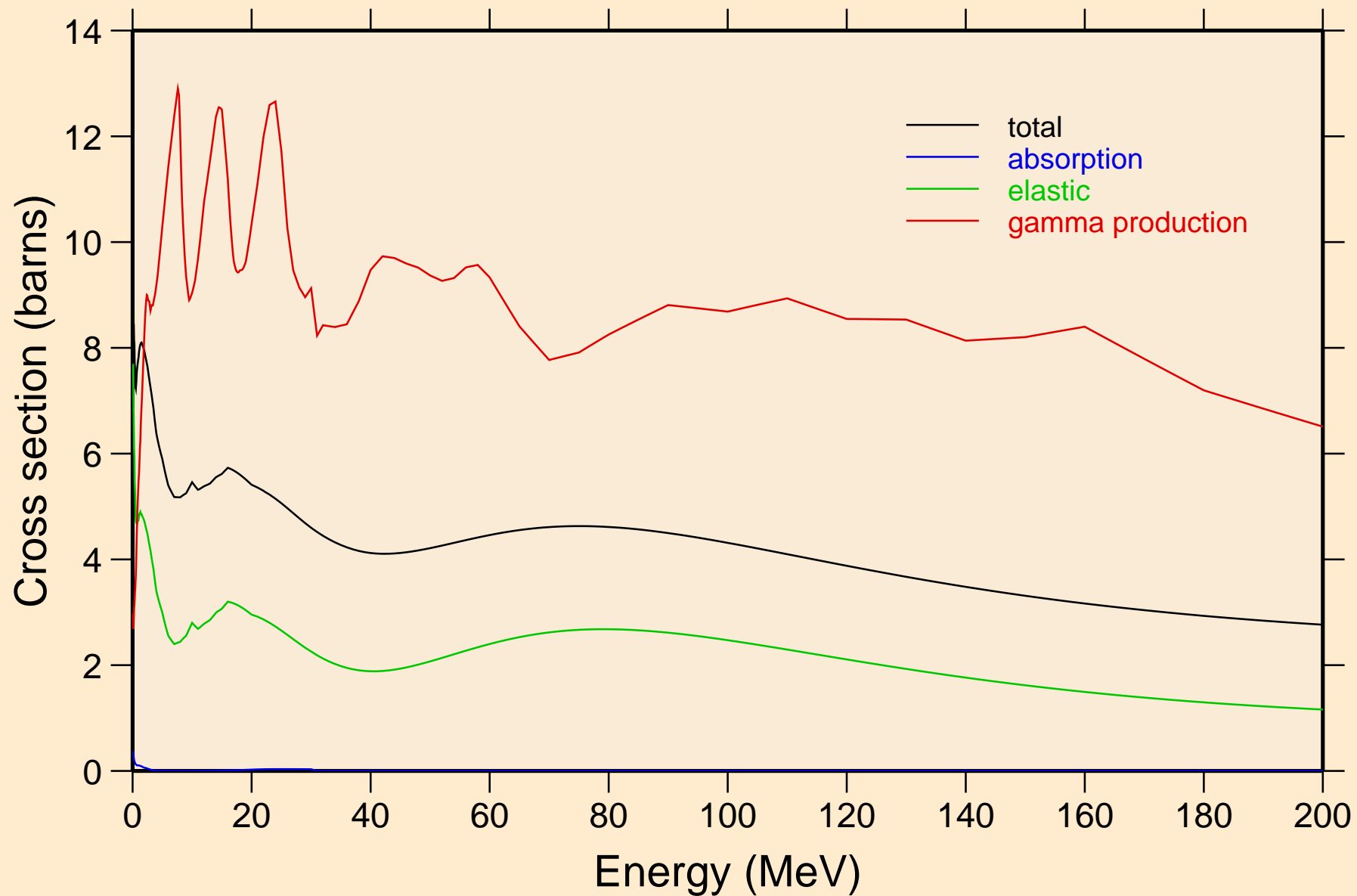
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Damage



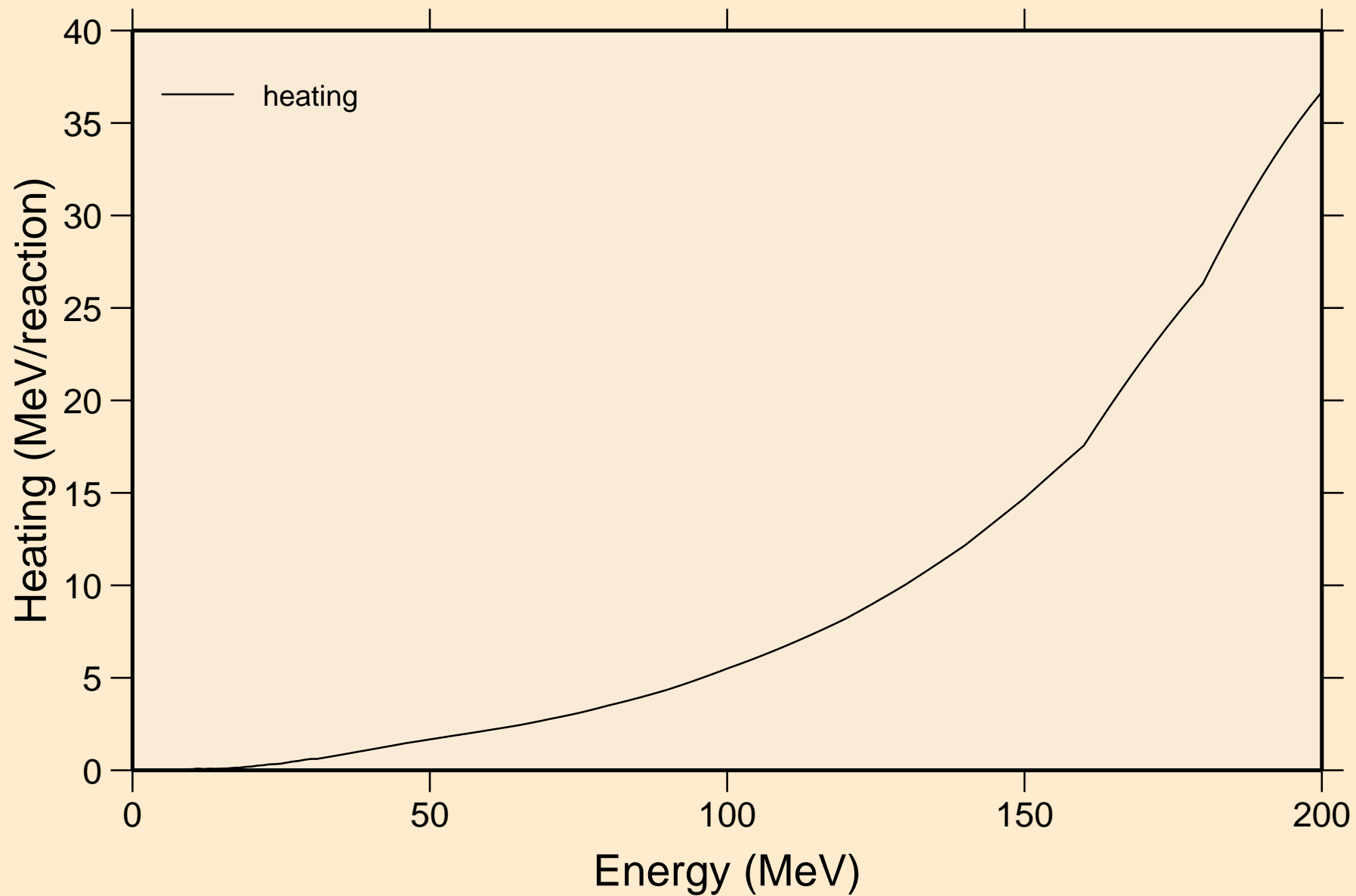
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections

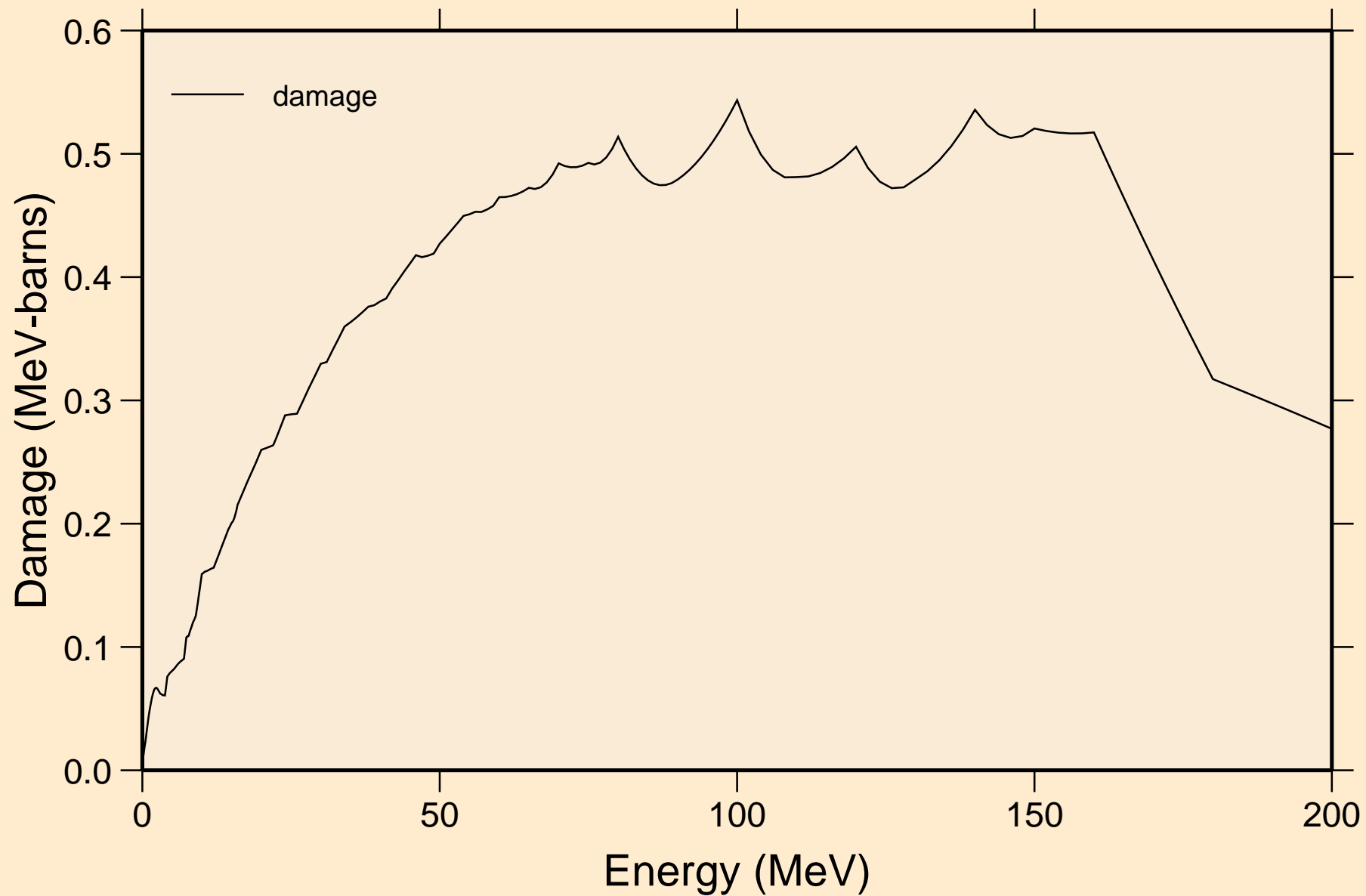


TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

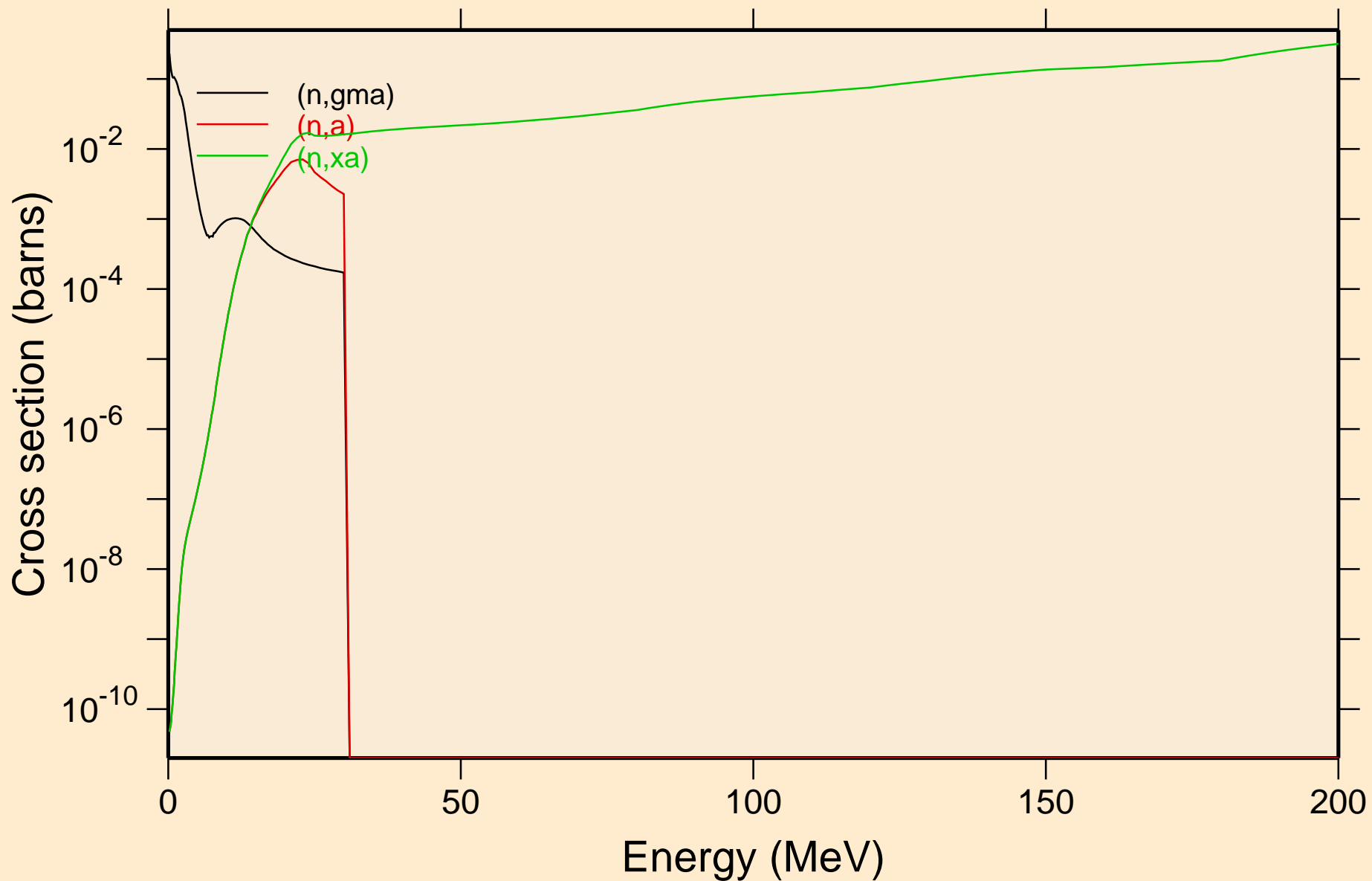




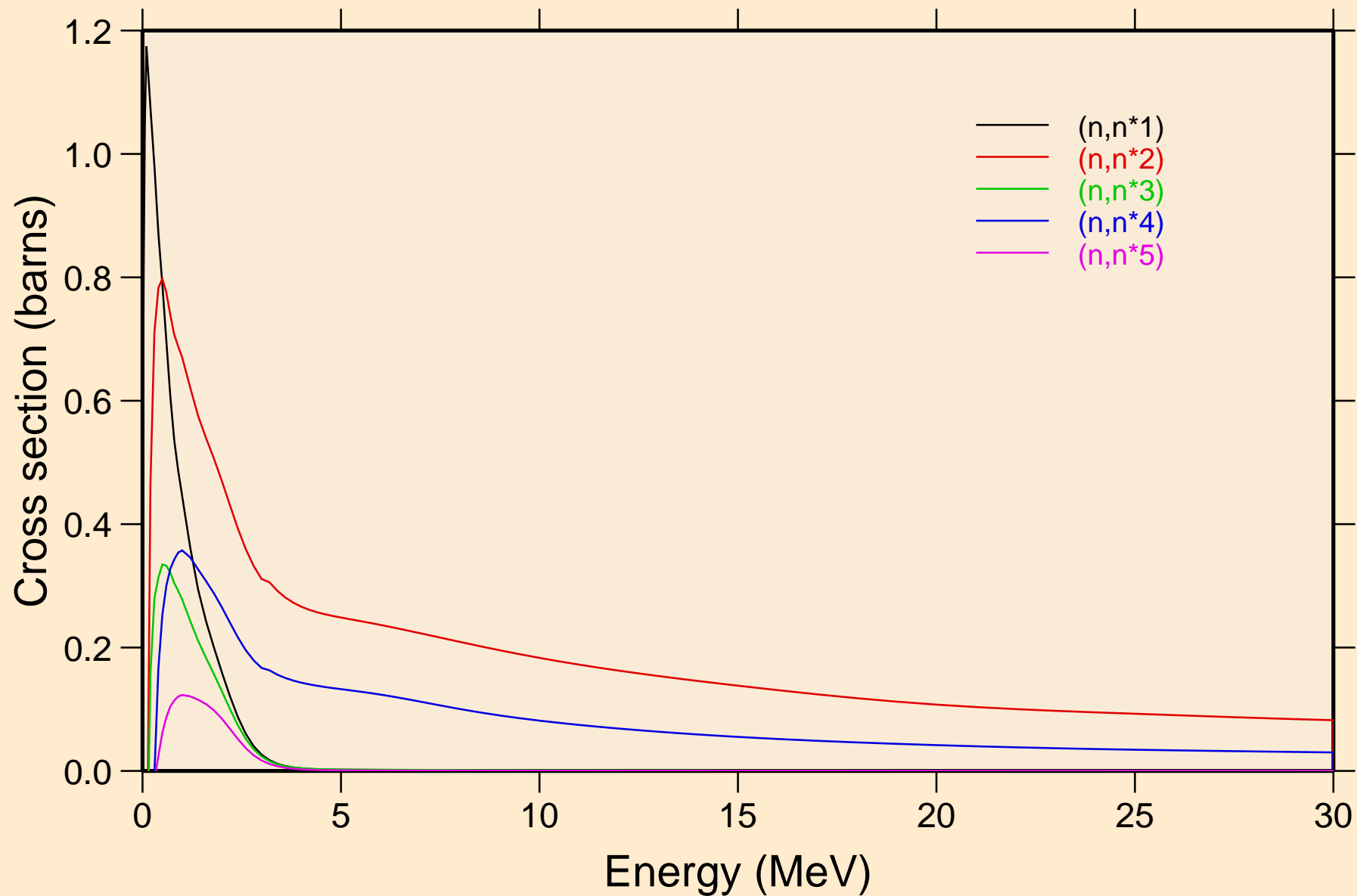
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Damage



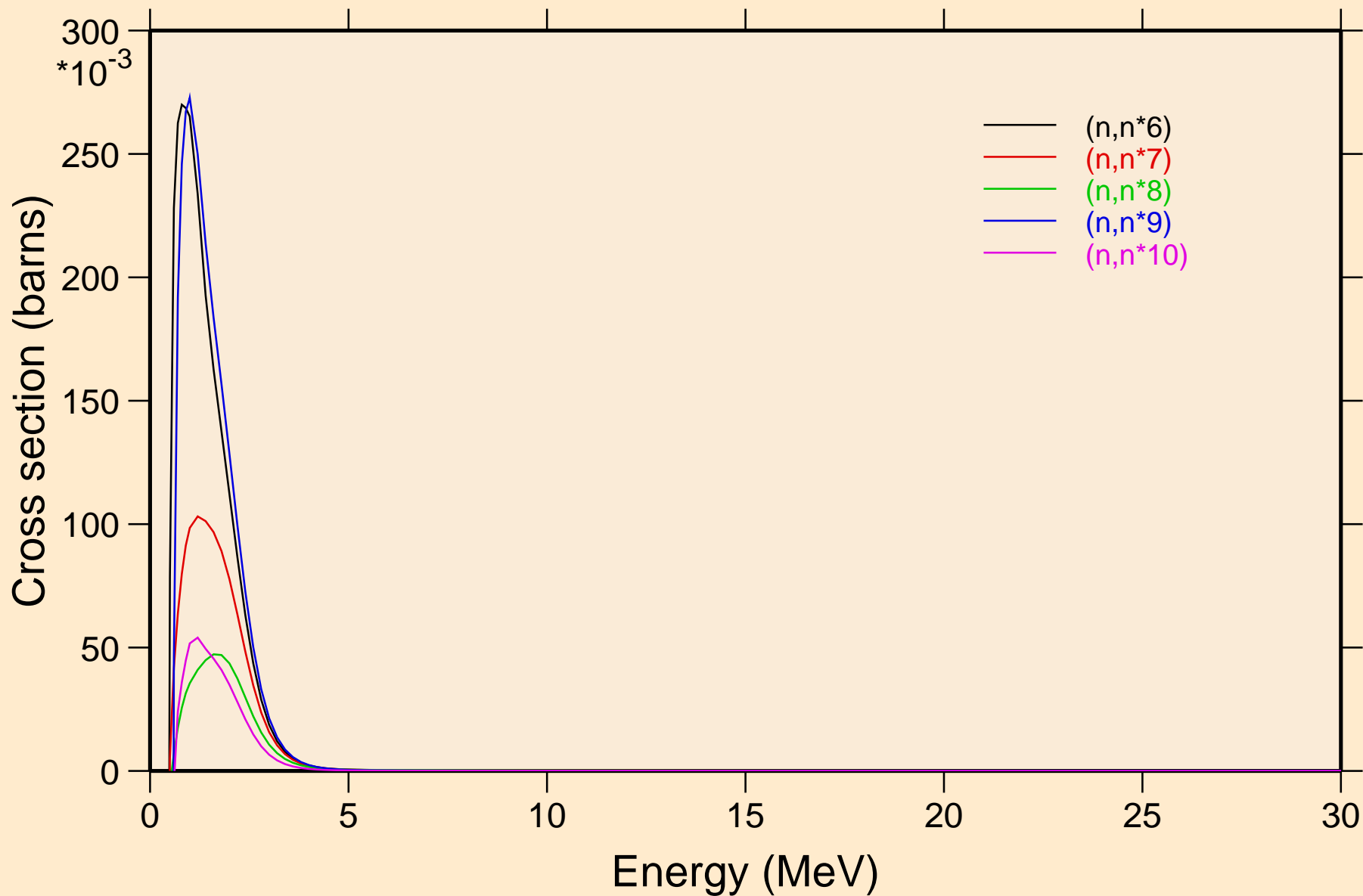
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Non-threshold reactions



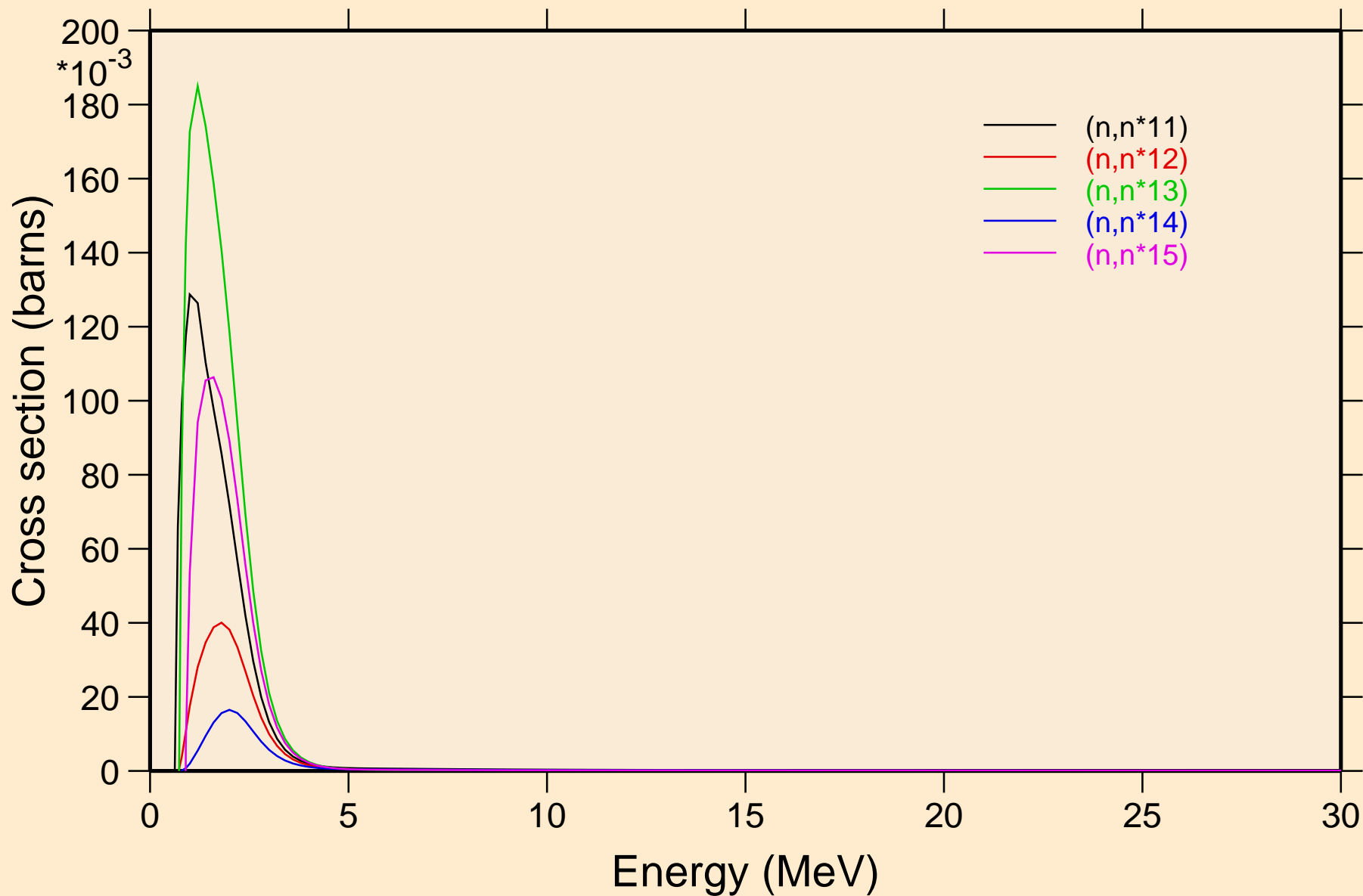
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



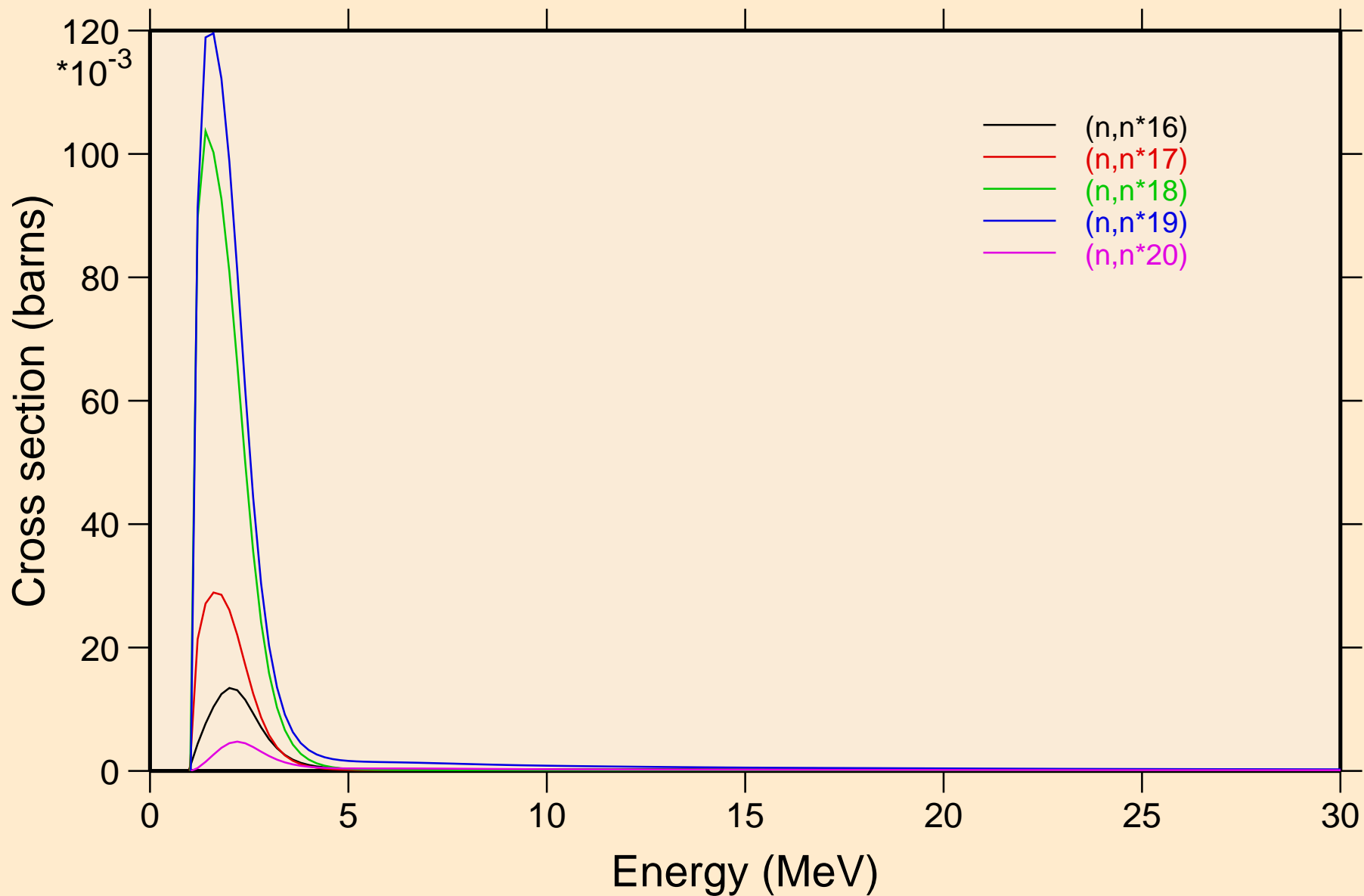
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



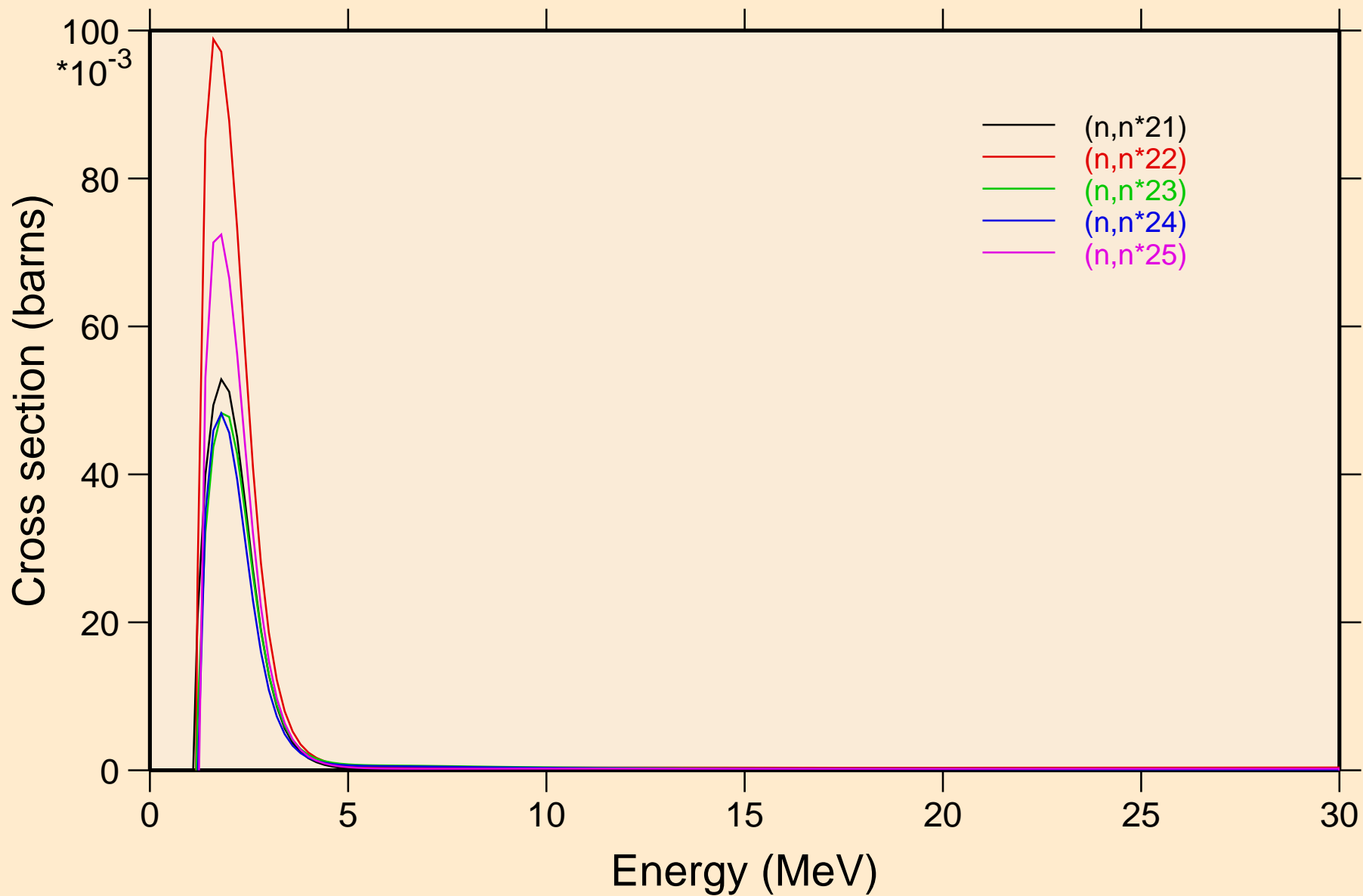
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



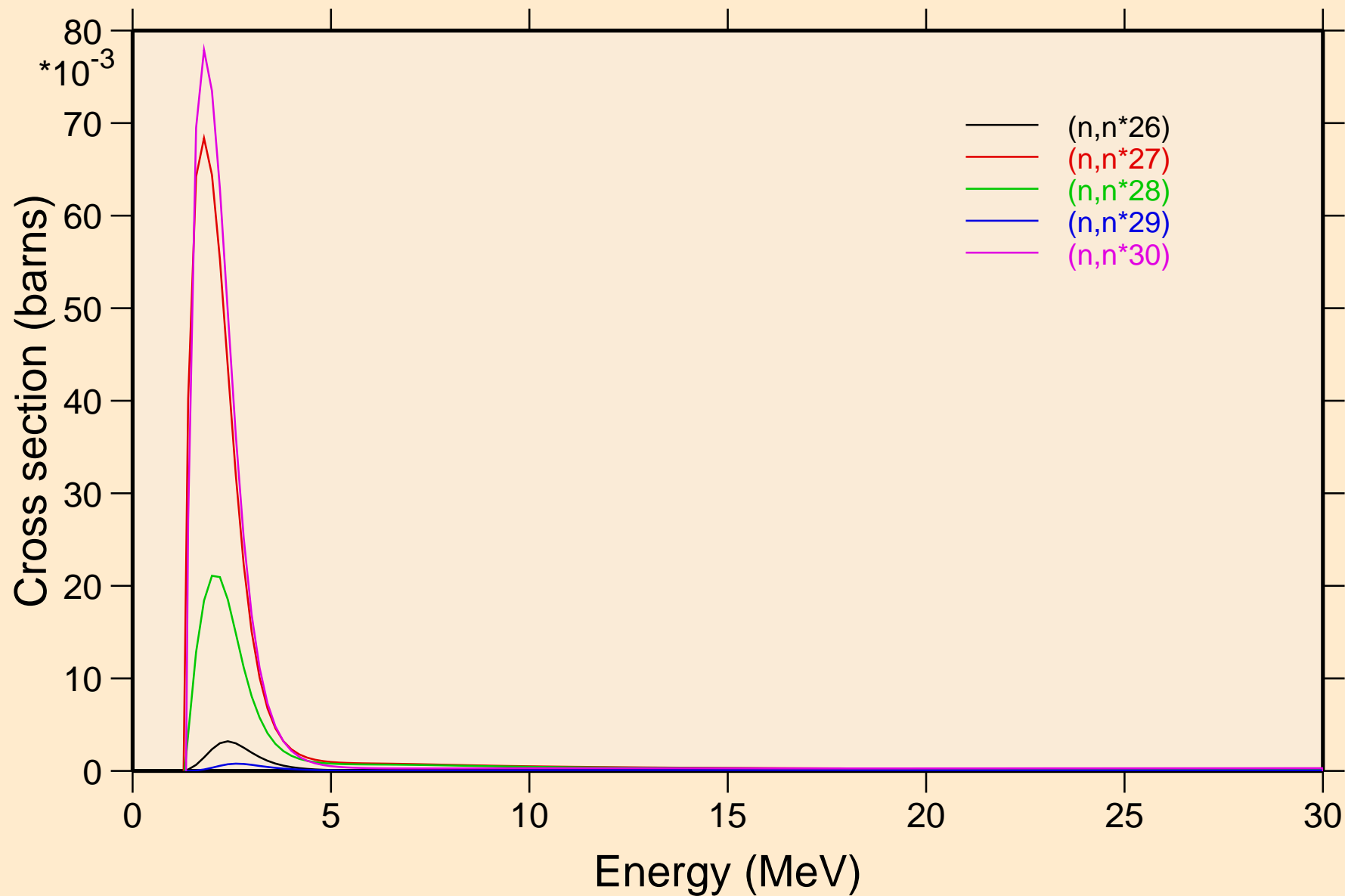
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

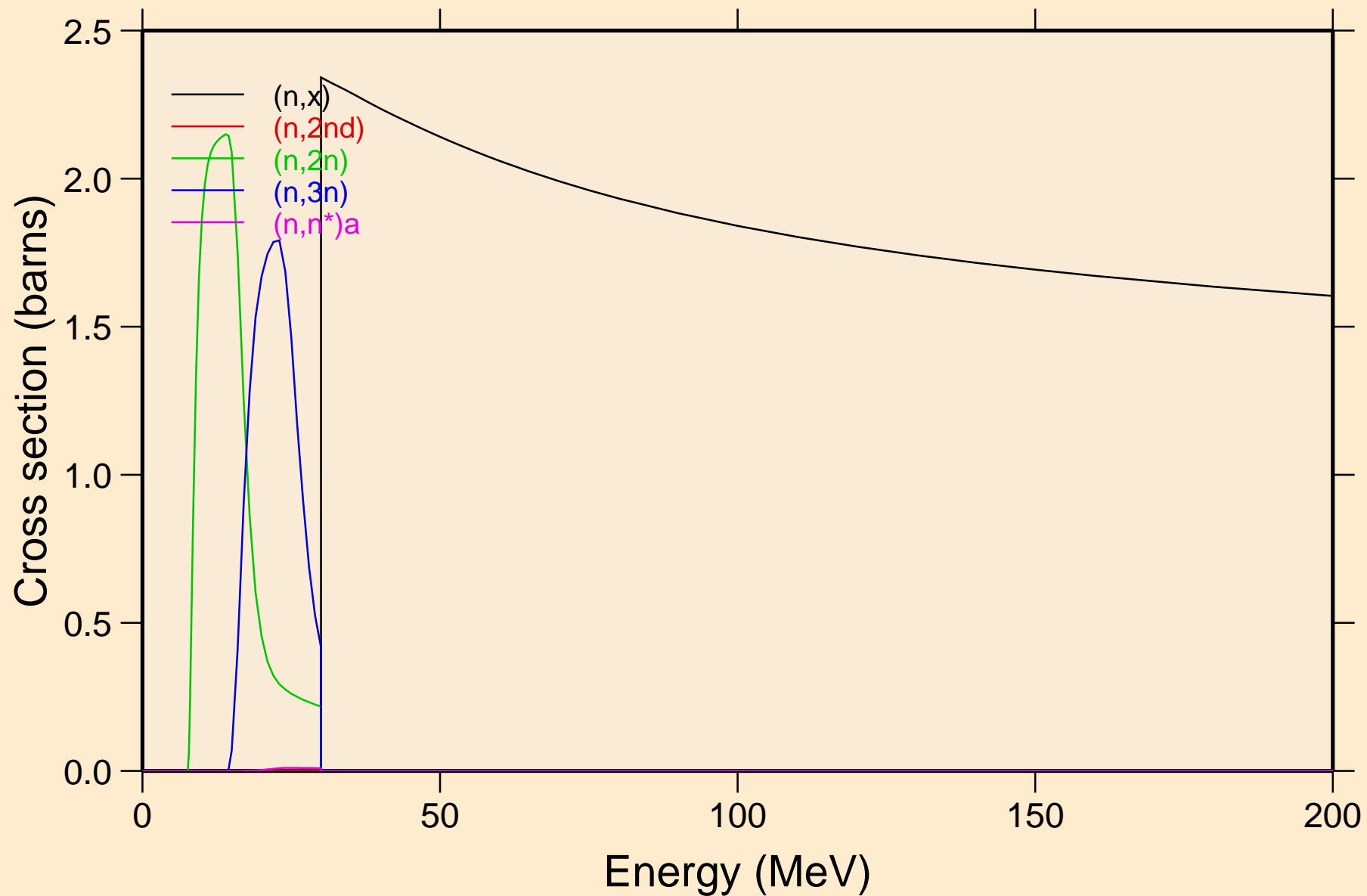


TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

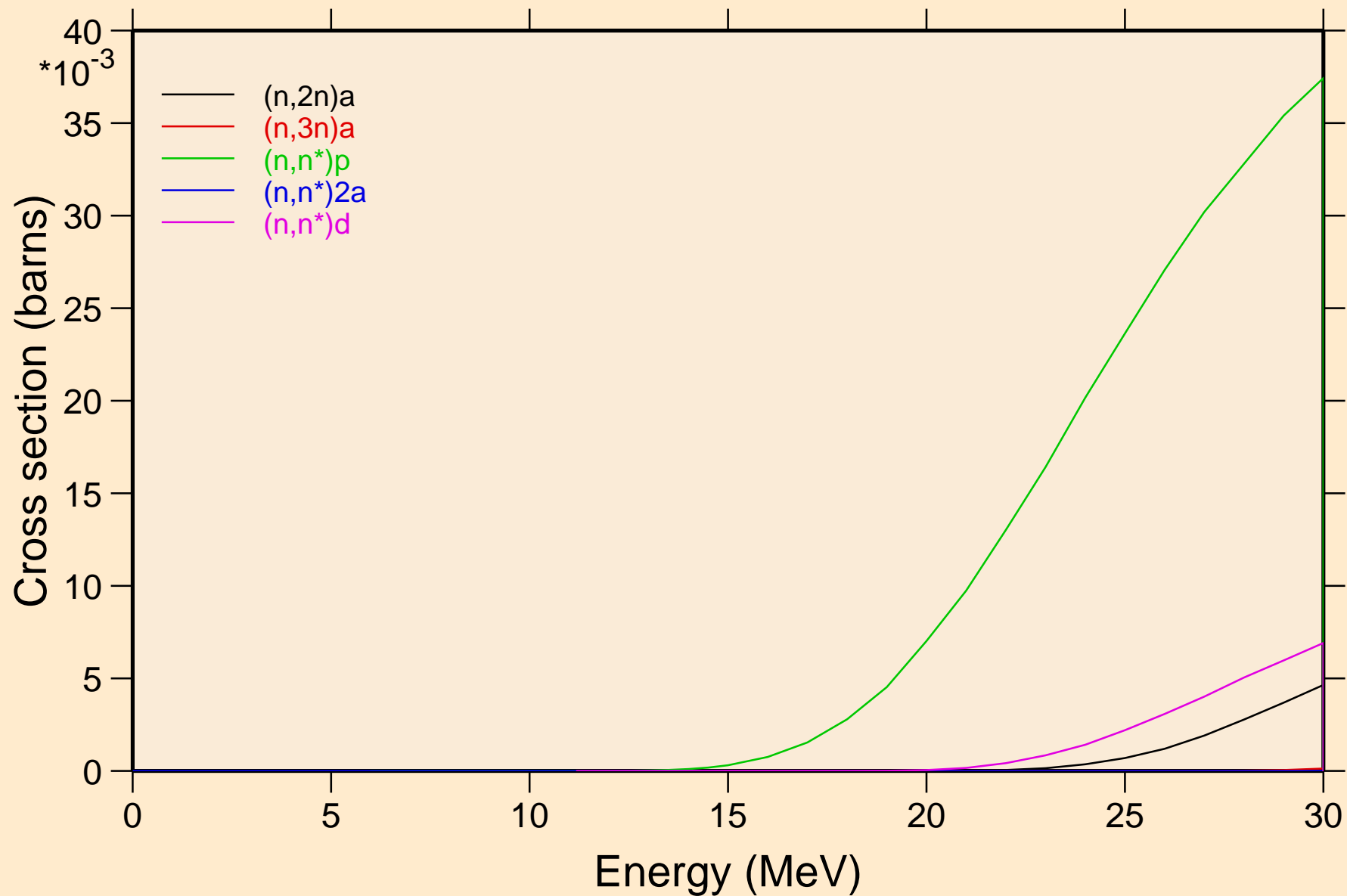




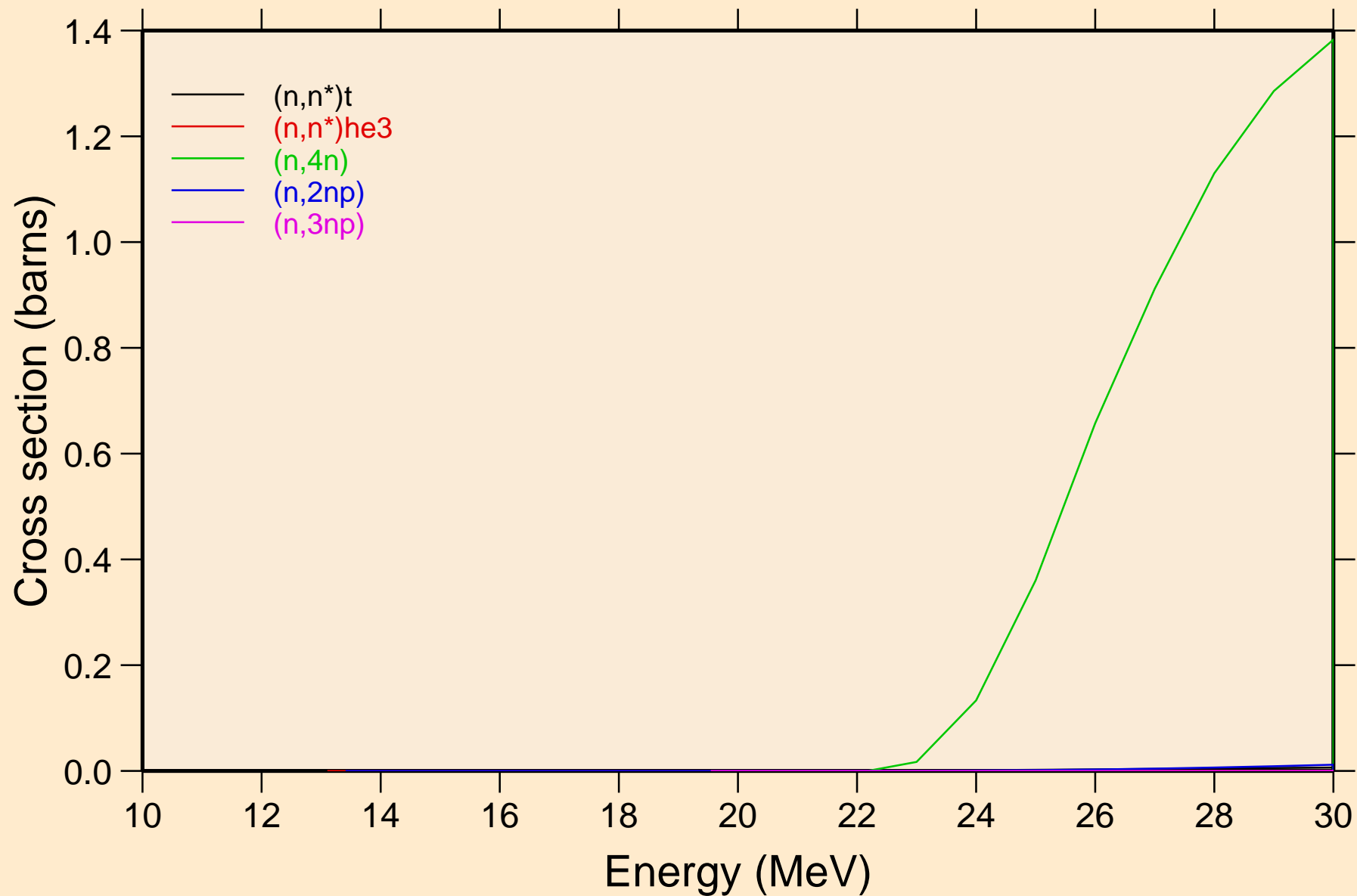
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Threshold reactions



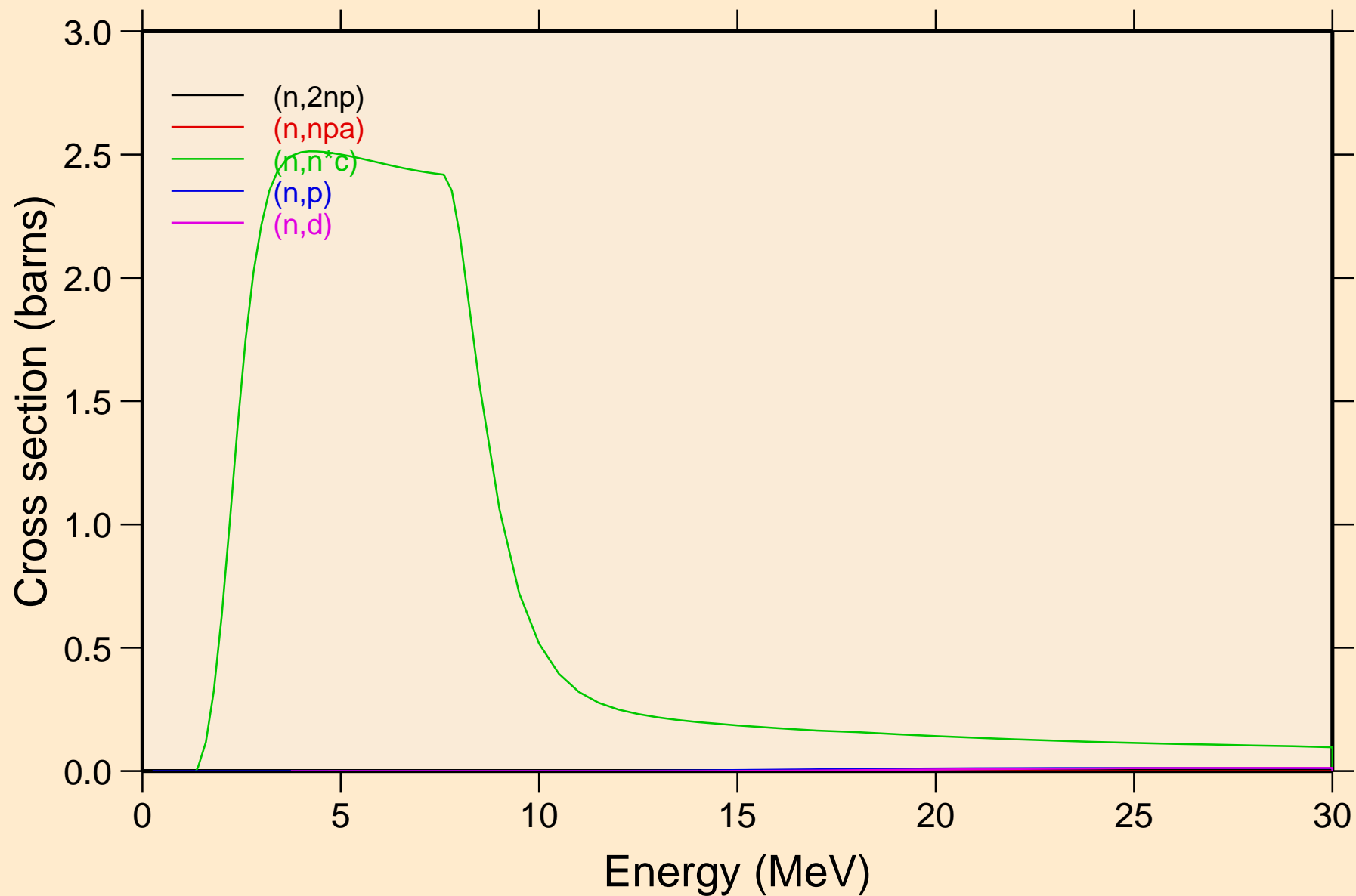
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



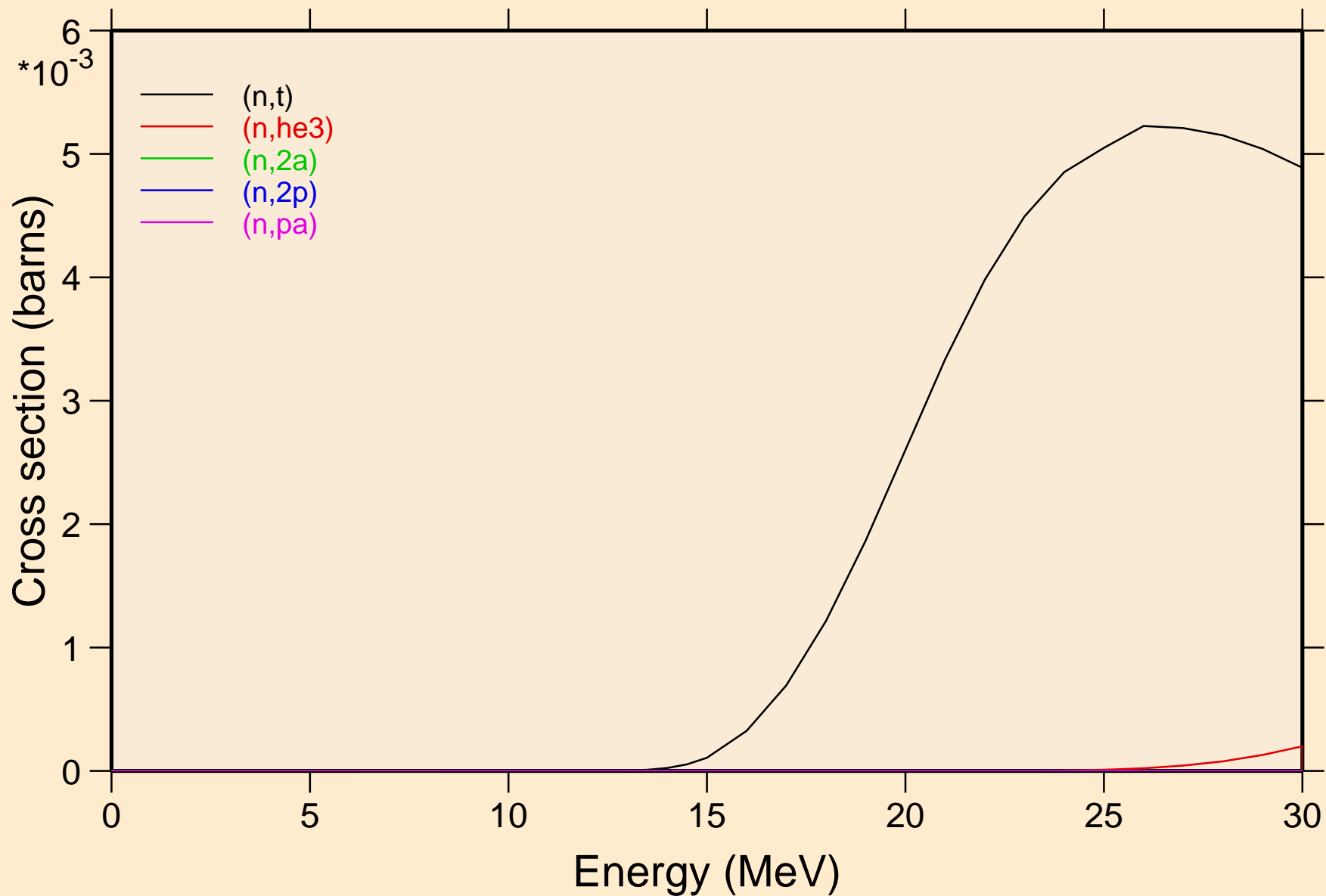
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



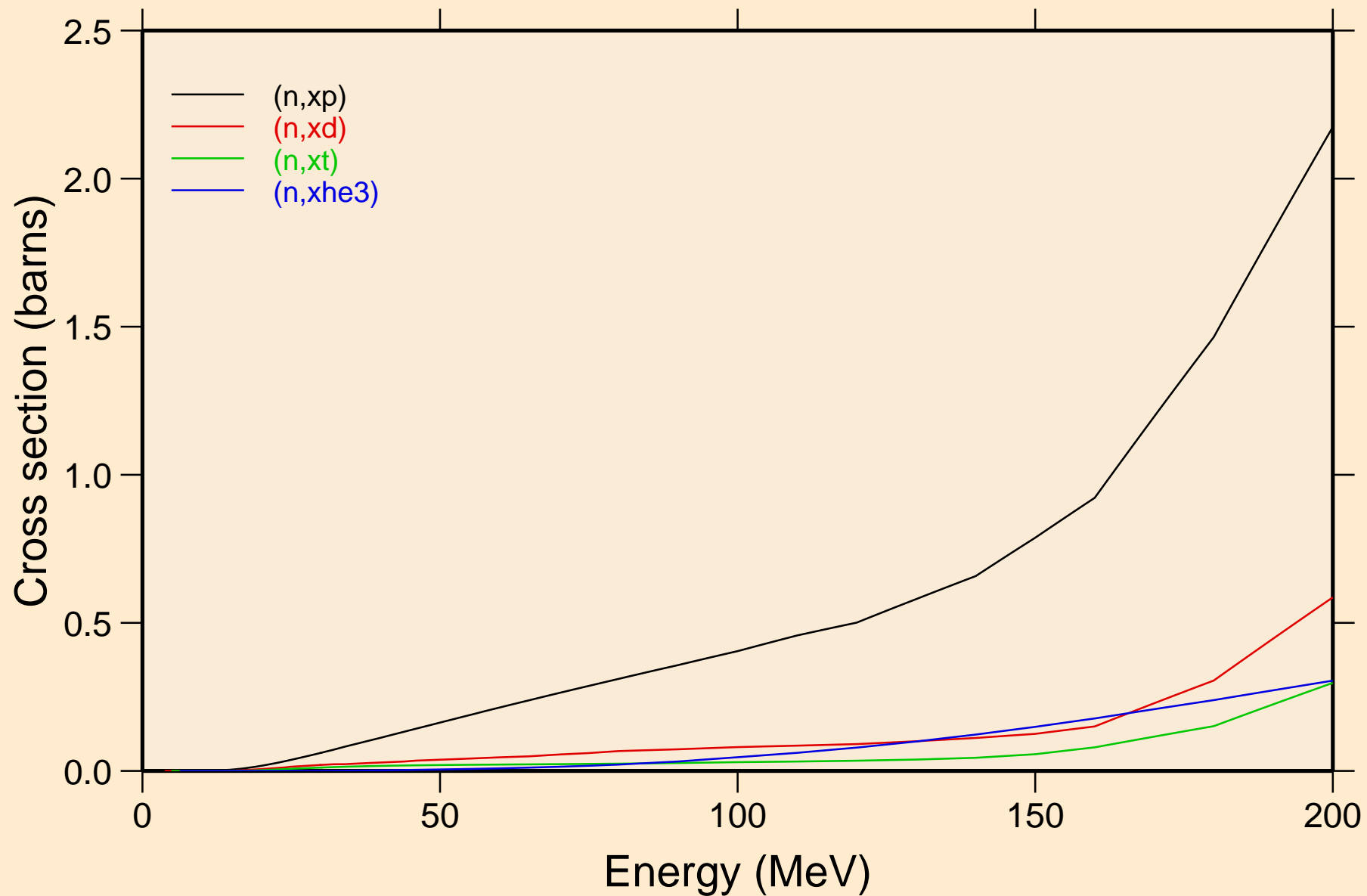
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



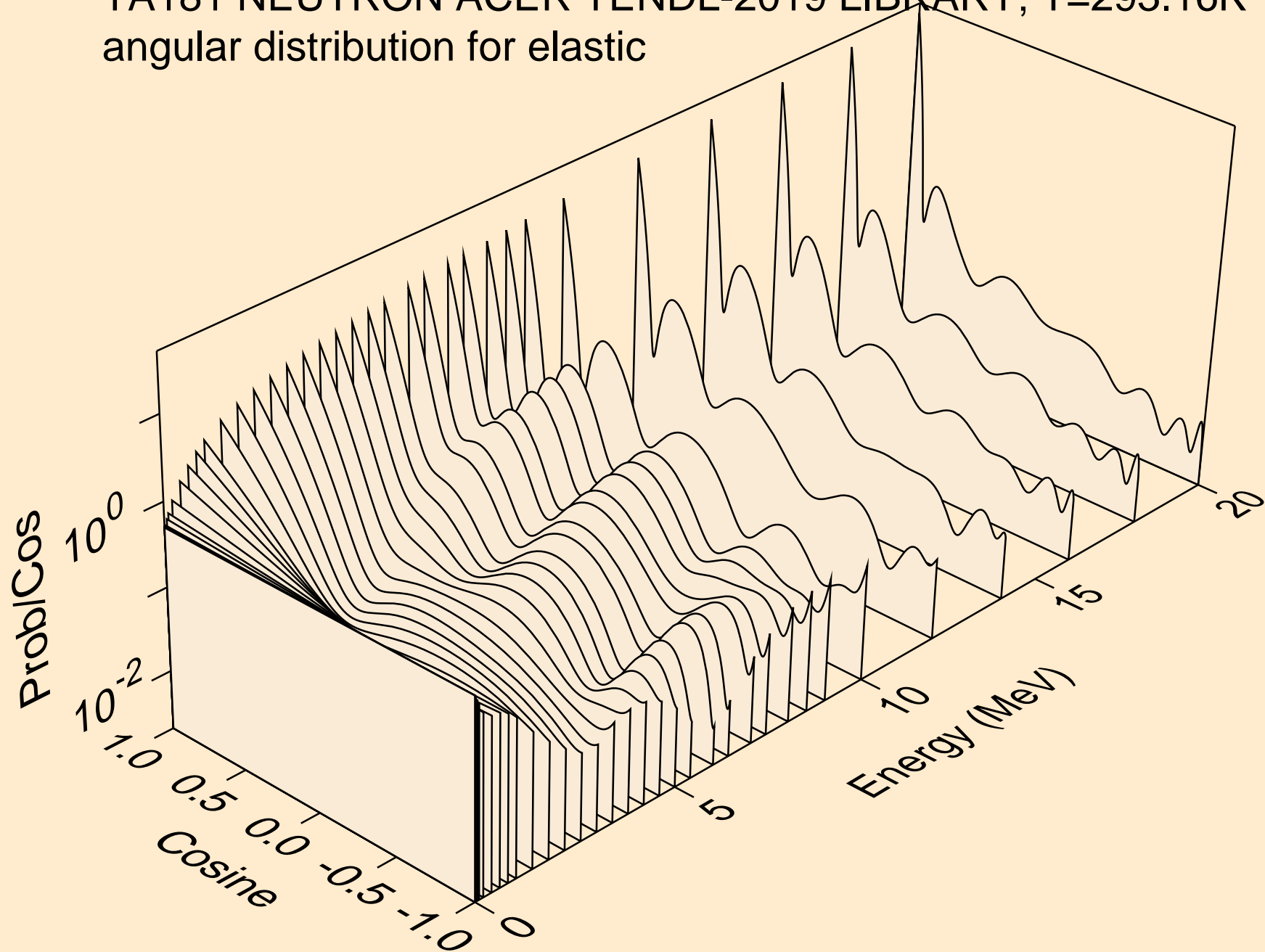
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



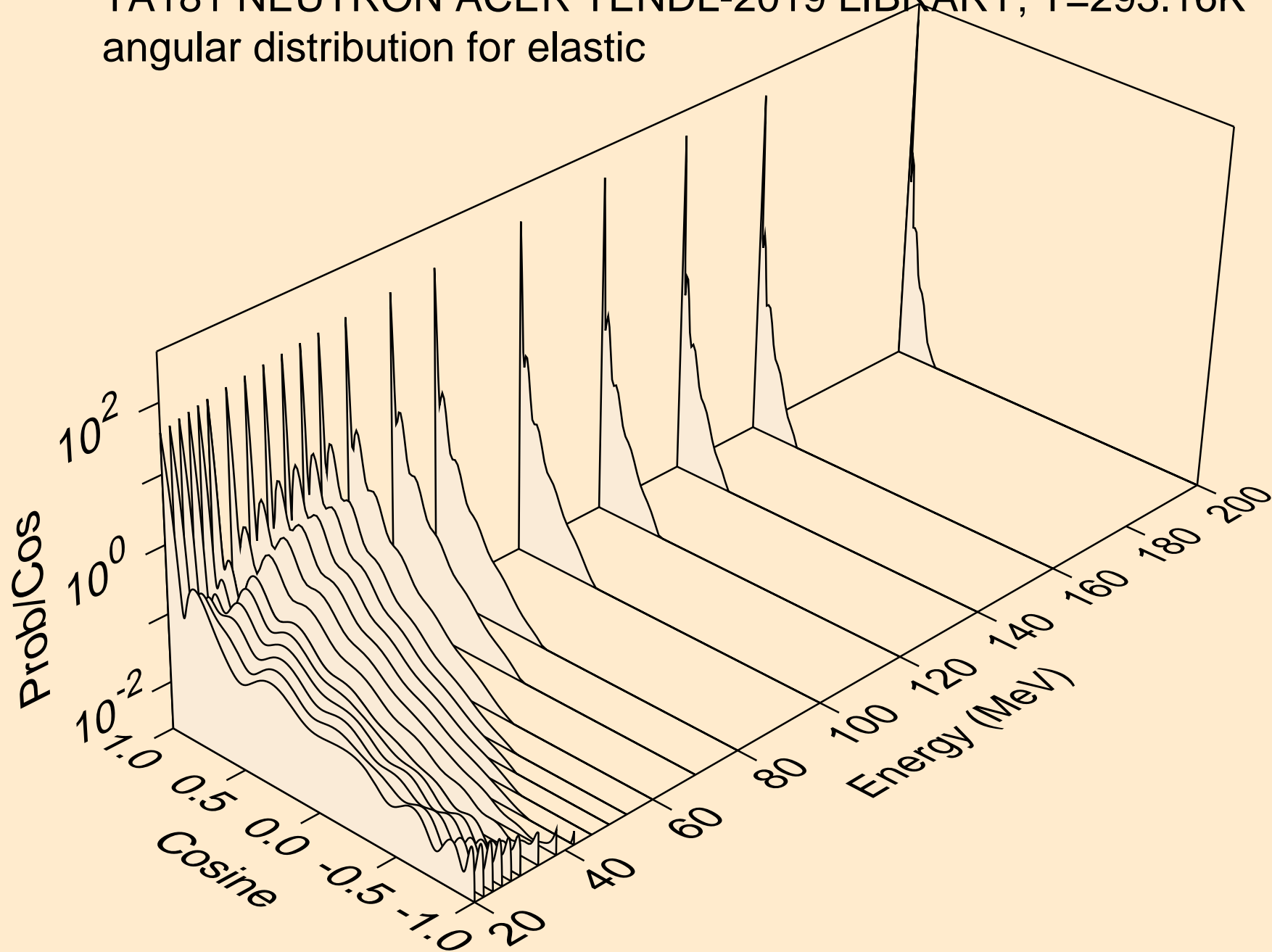
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic

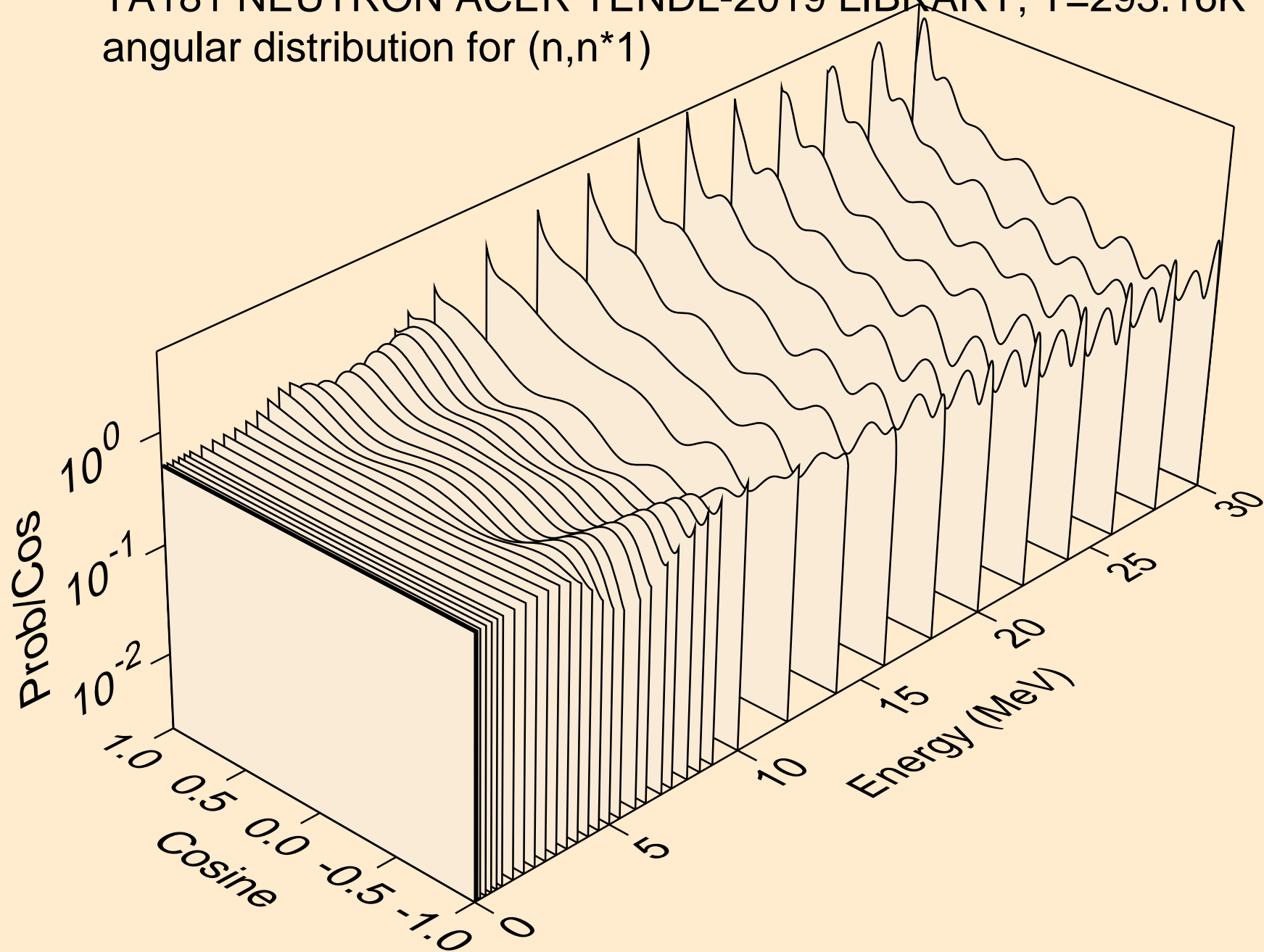


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angular distribution for elastic

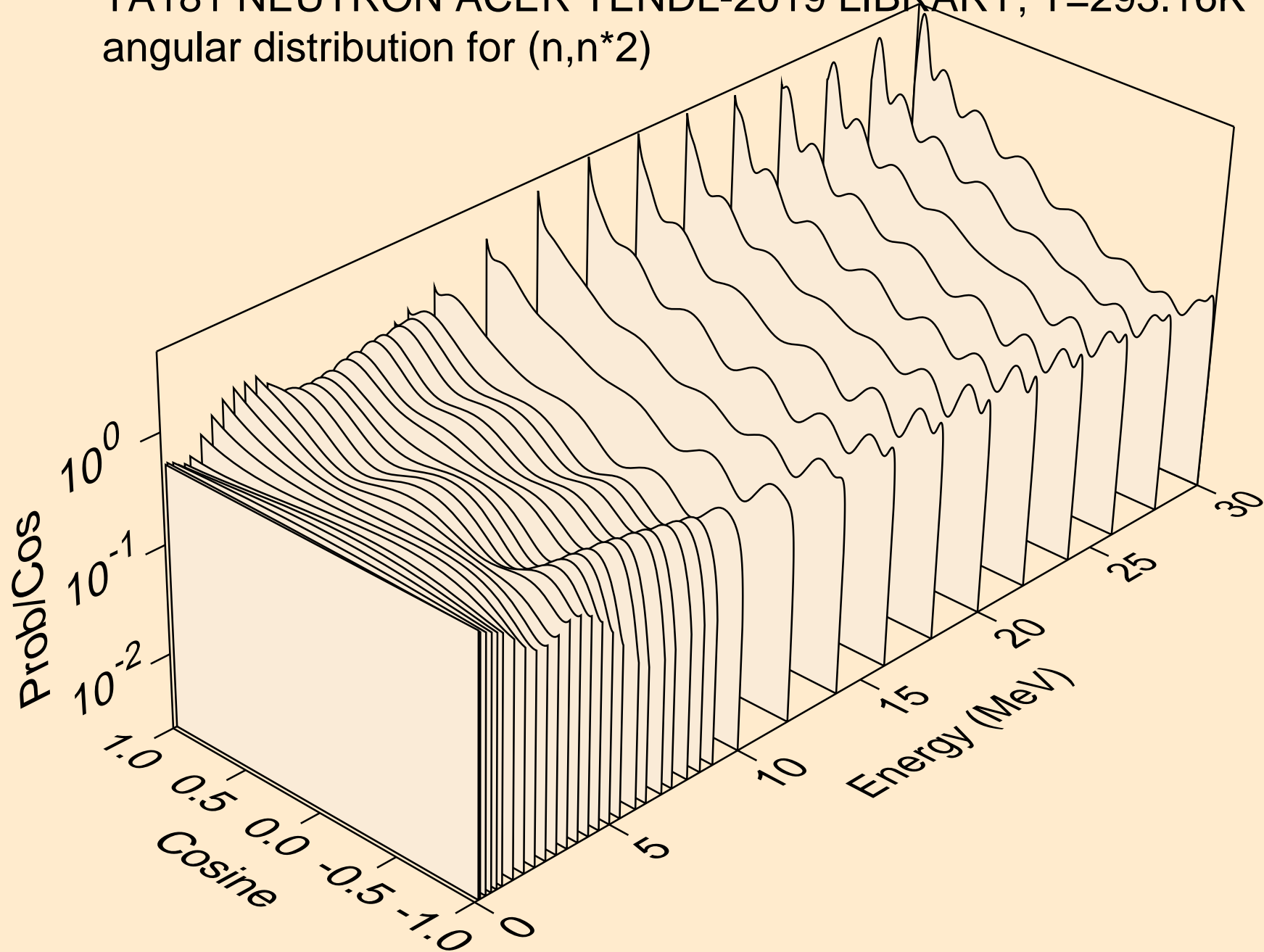




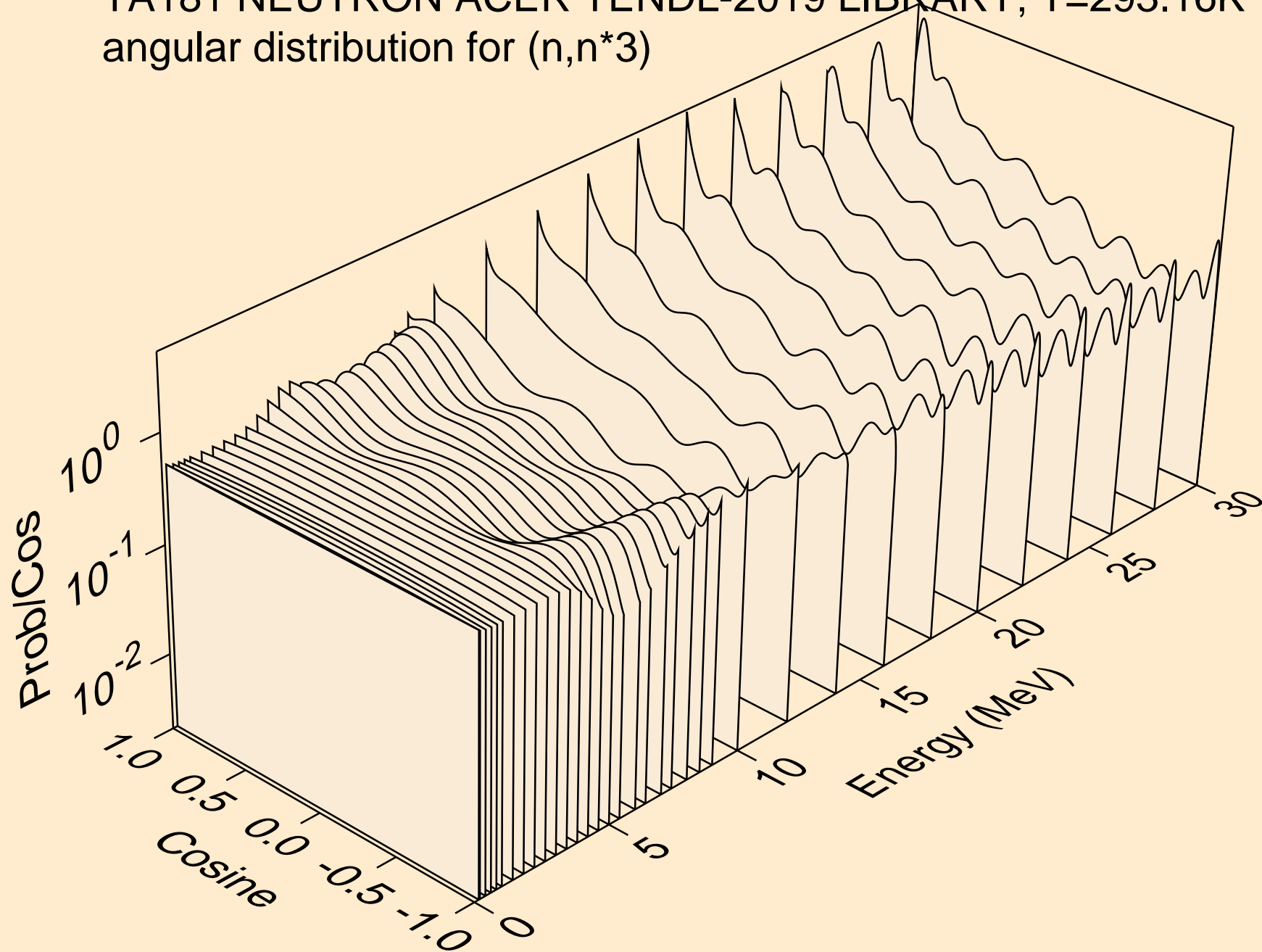
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angular distribution for (n,n\*1)



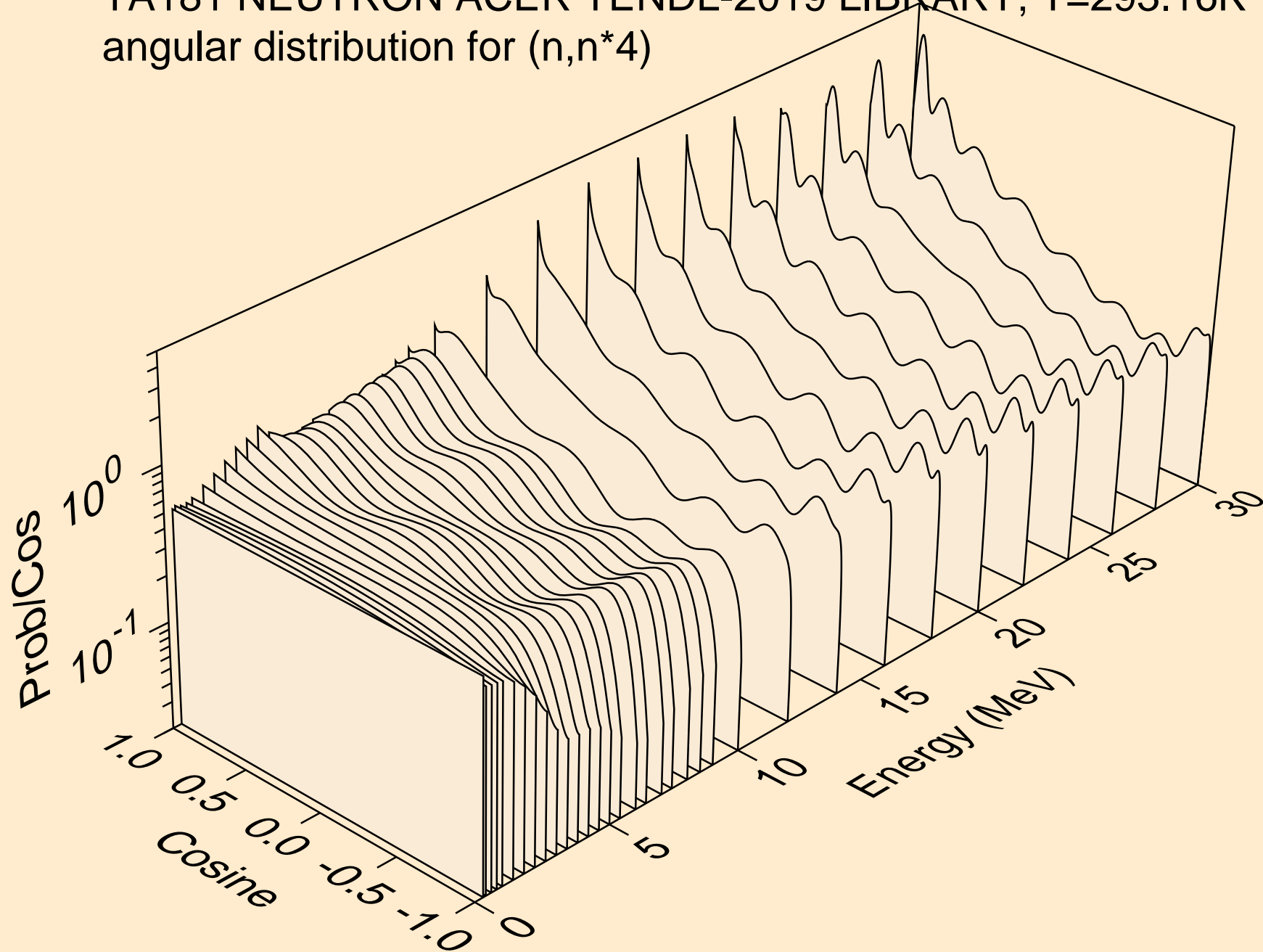
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angular distribution for (n,n\*2)



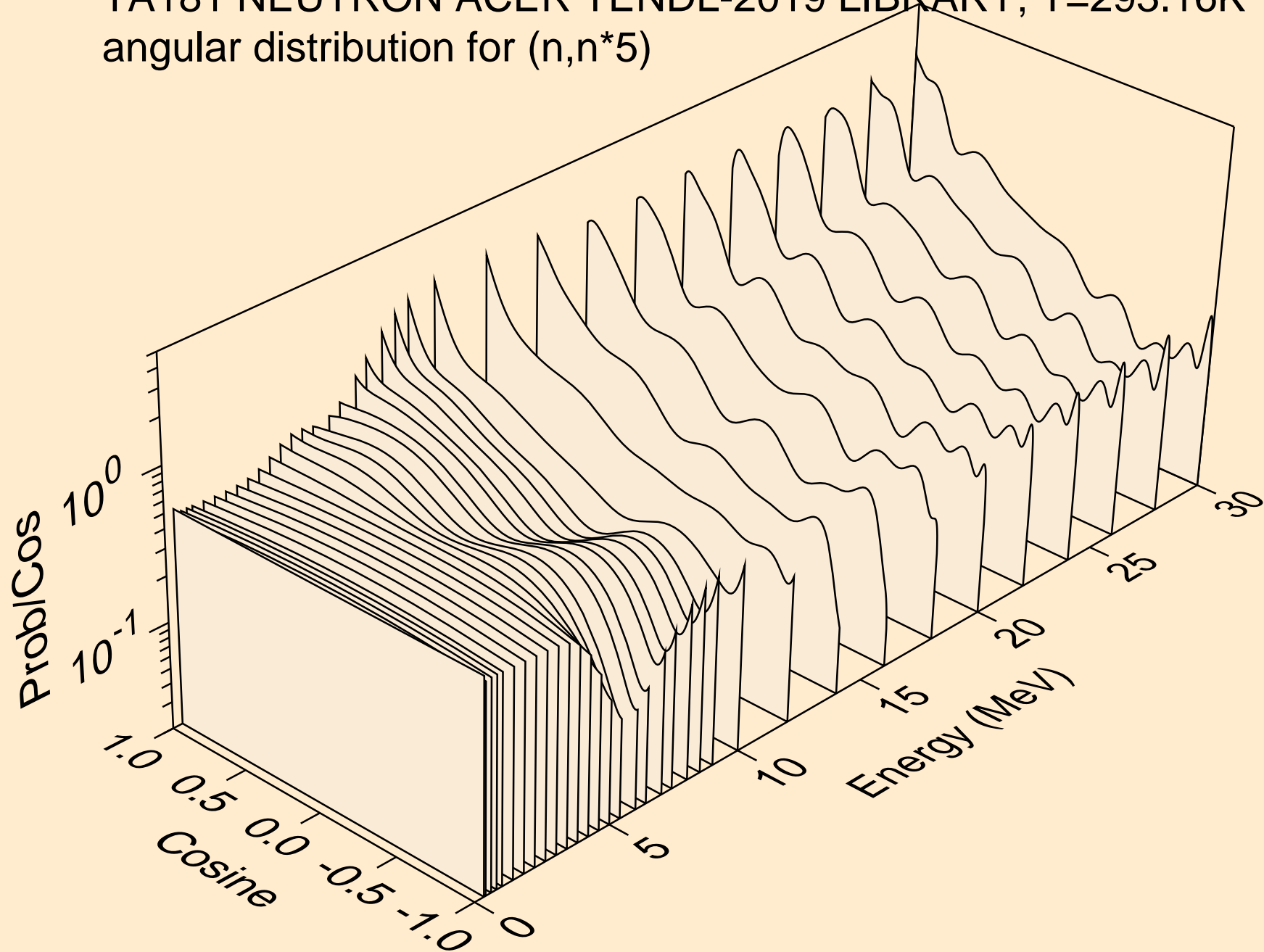
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angular distribution for (n,n\*3)



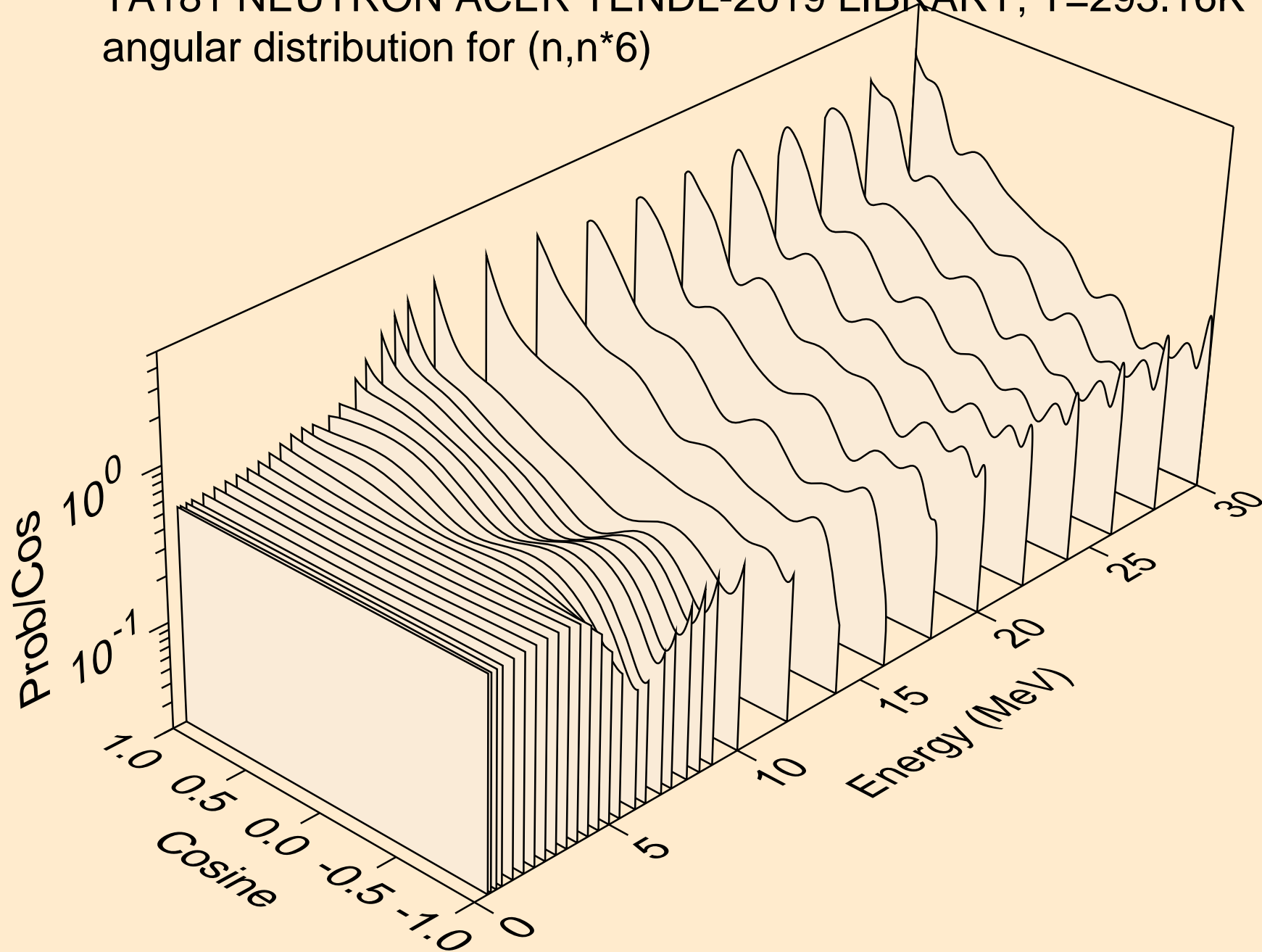
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angular distribution for (n,n\*4)



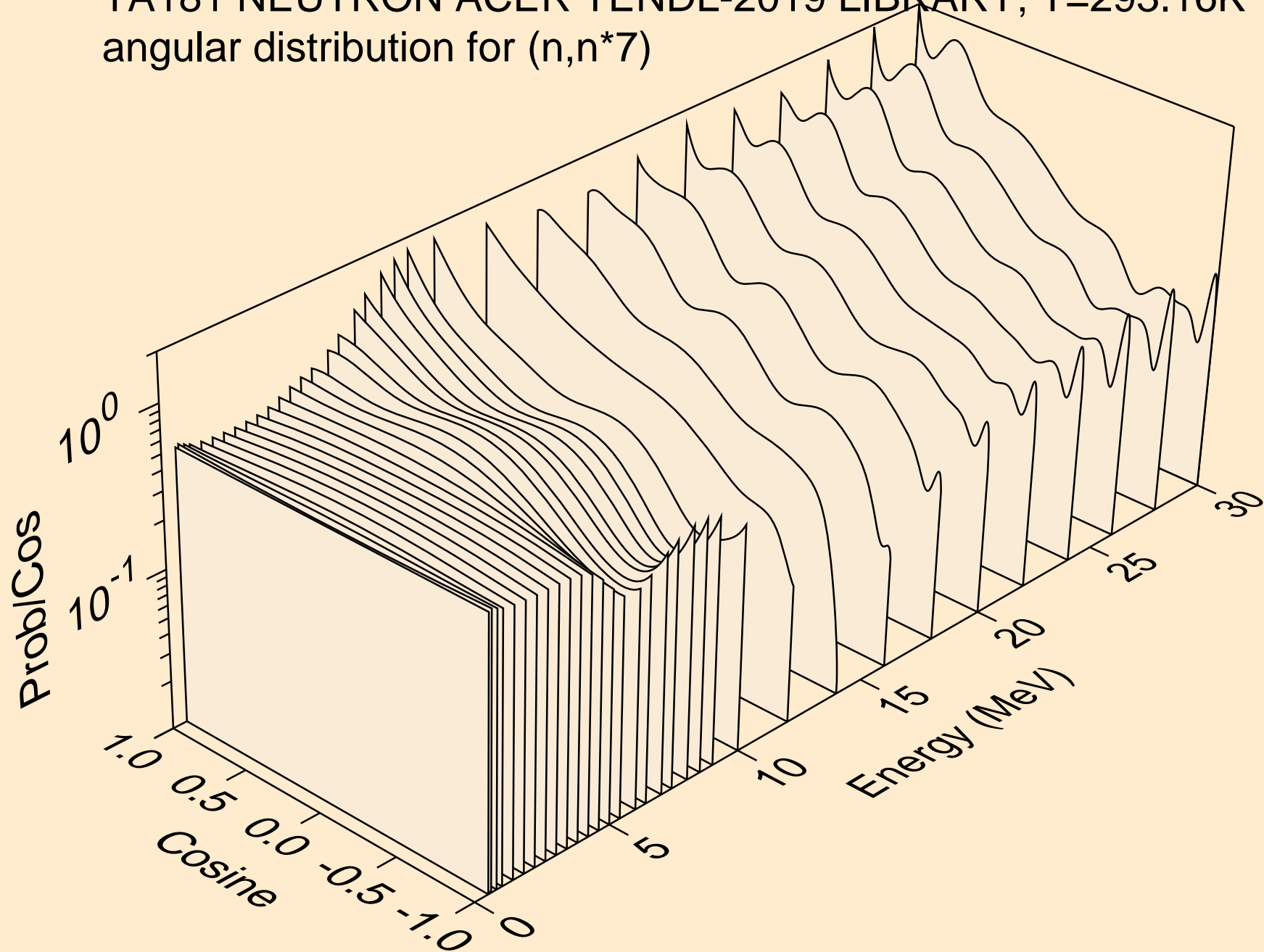
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*5)



TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*6)

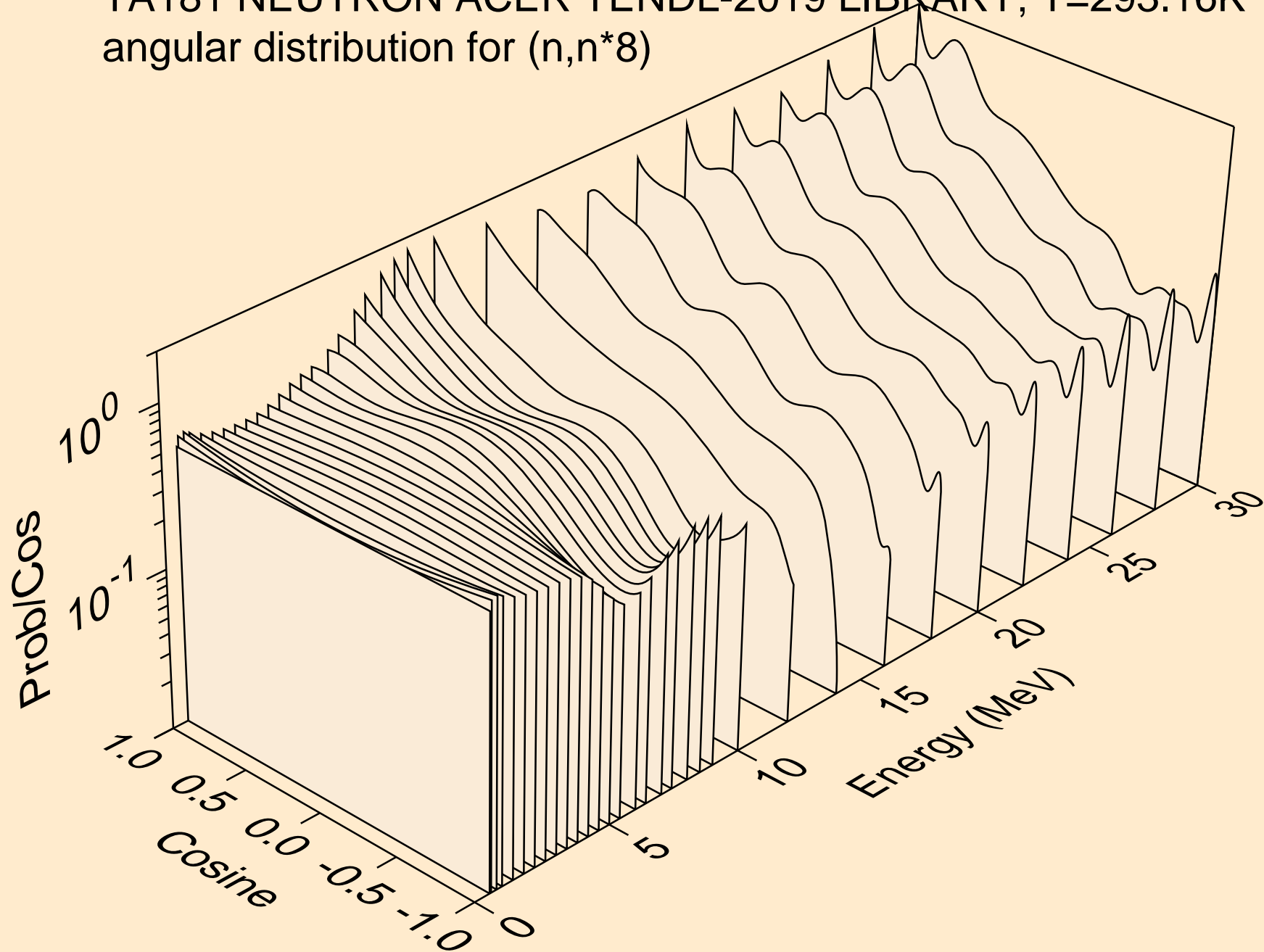


TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)



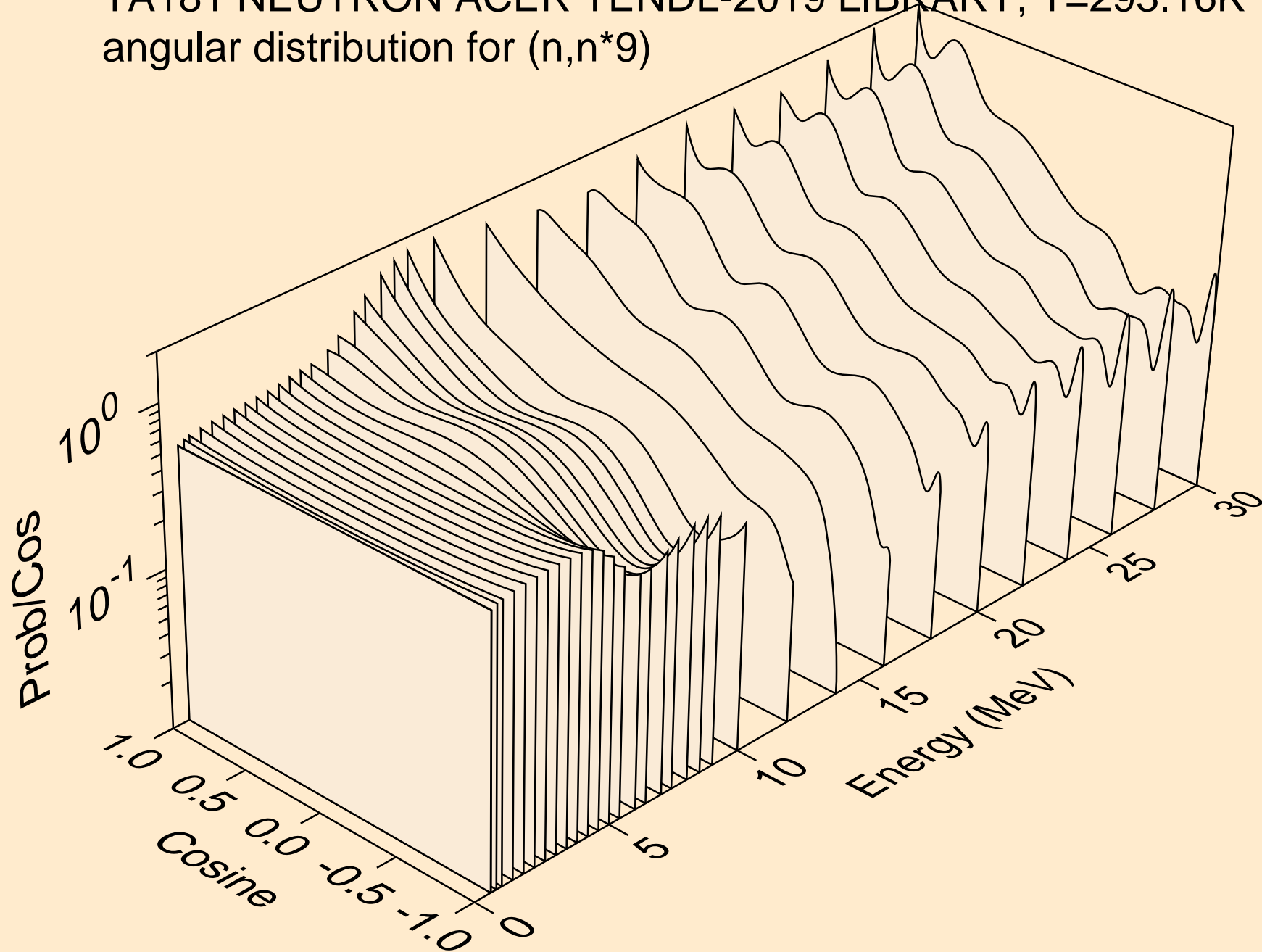


TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)

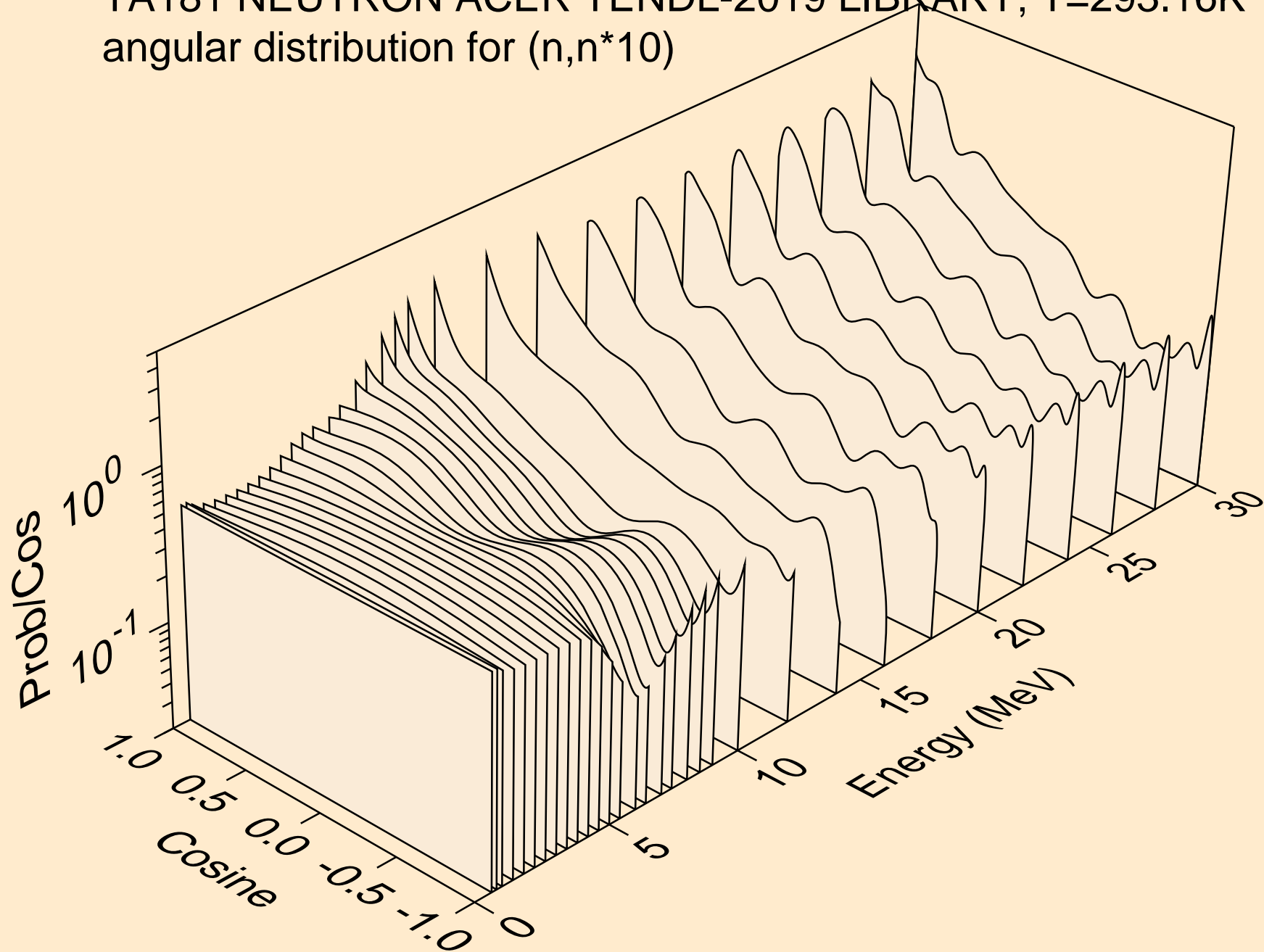




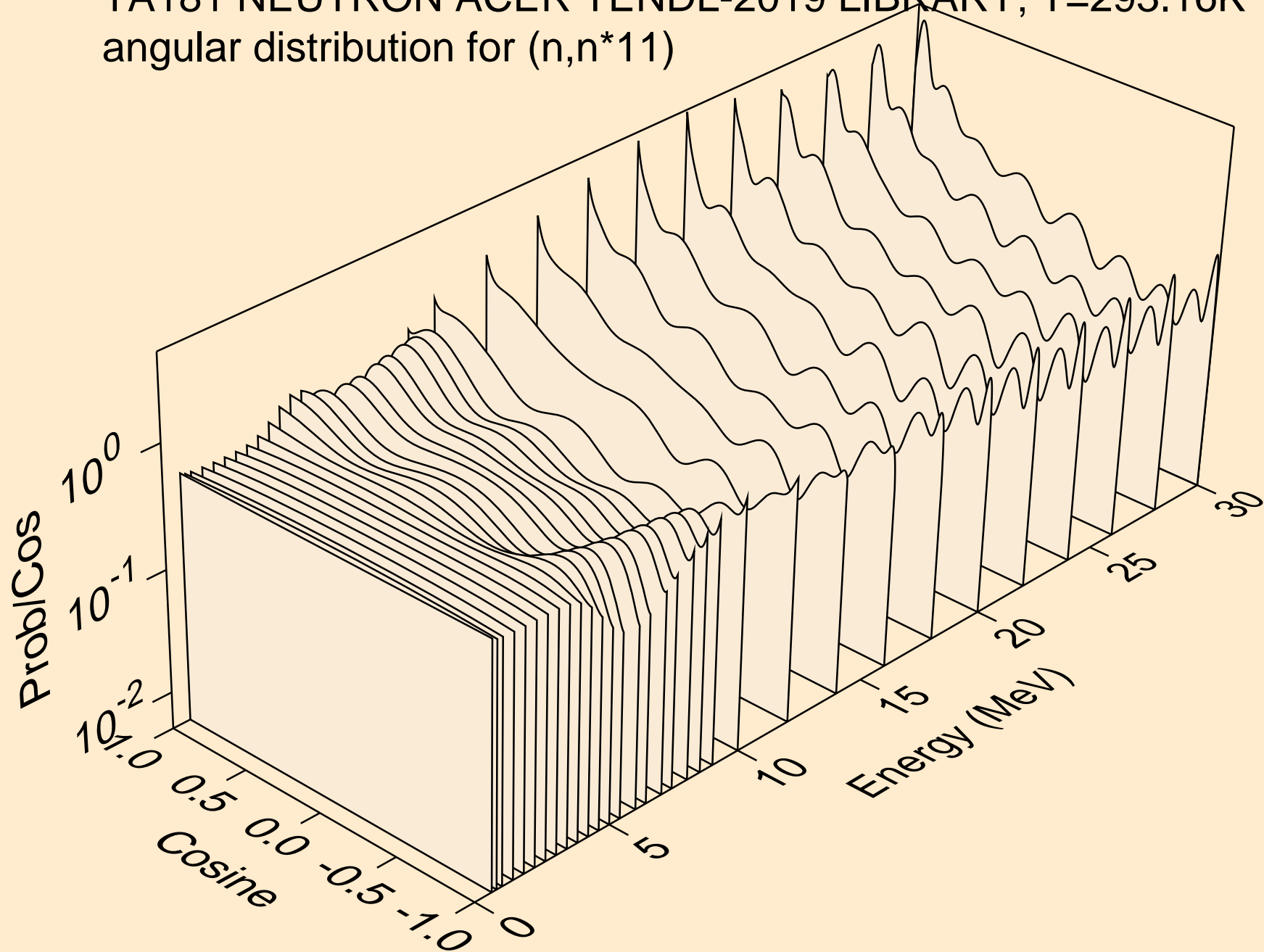
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angular distribution for (n,n\*9)



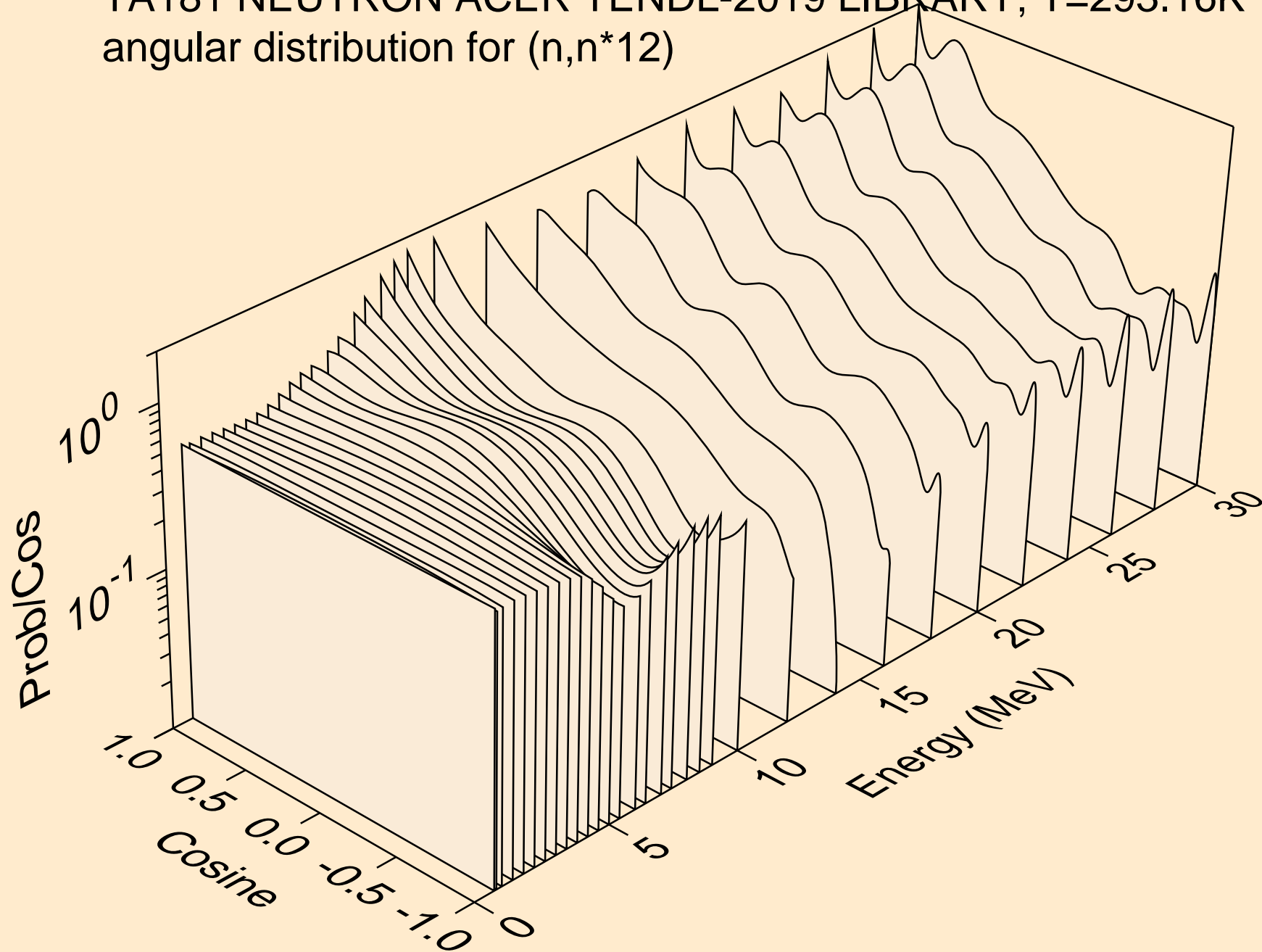
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angular distribution for (n,n\*10)



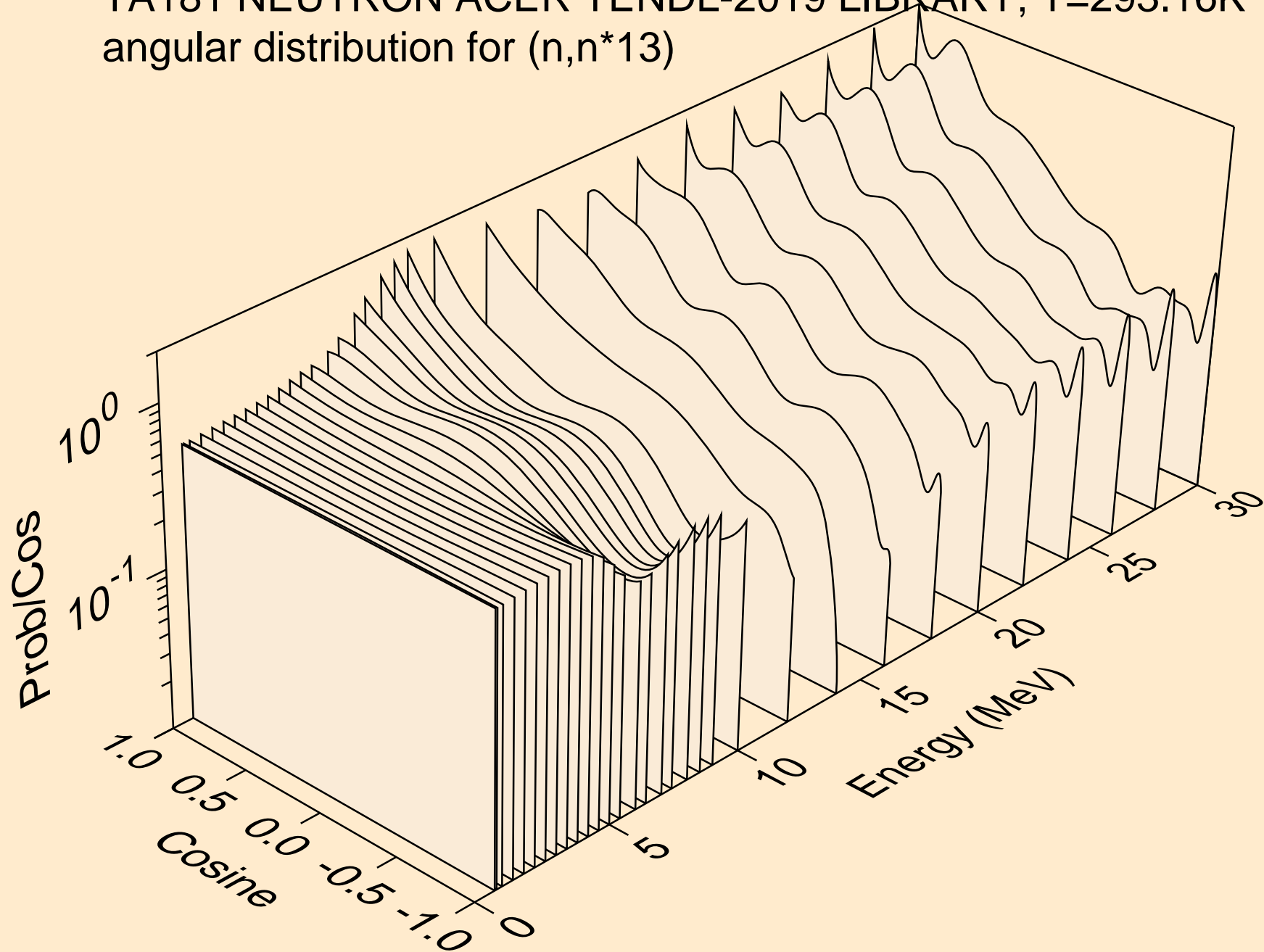
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angular distribution for (n,n\*11)



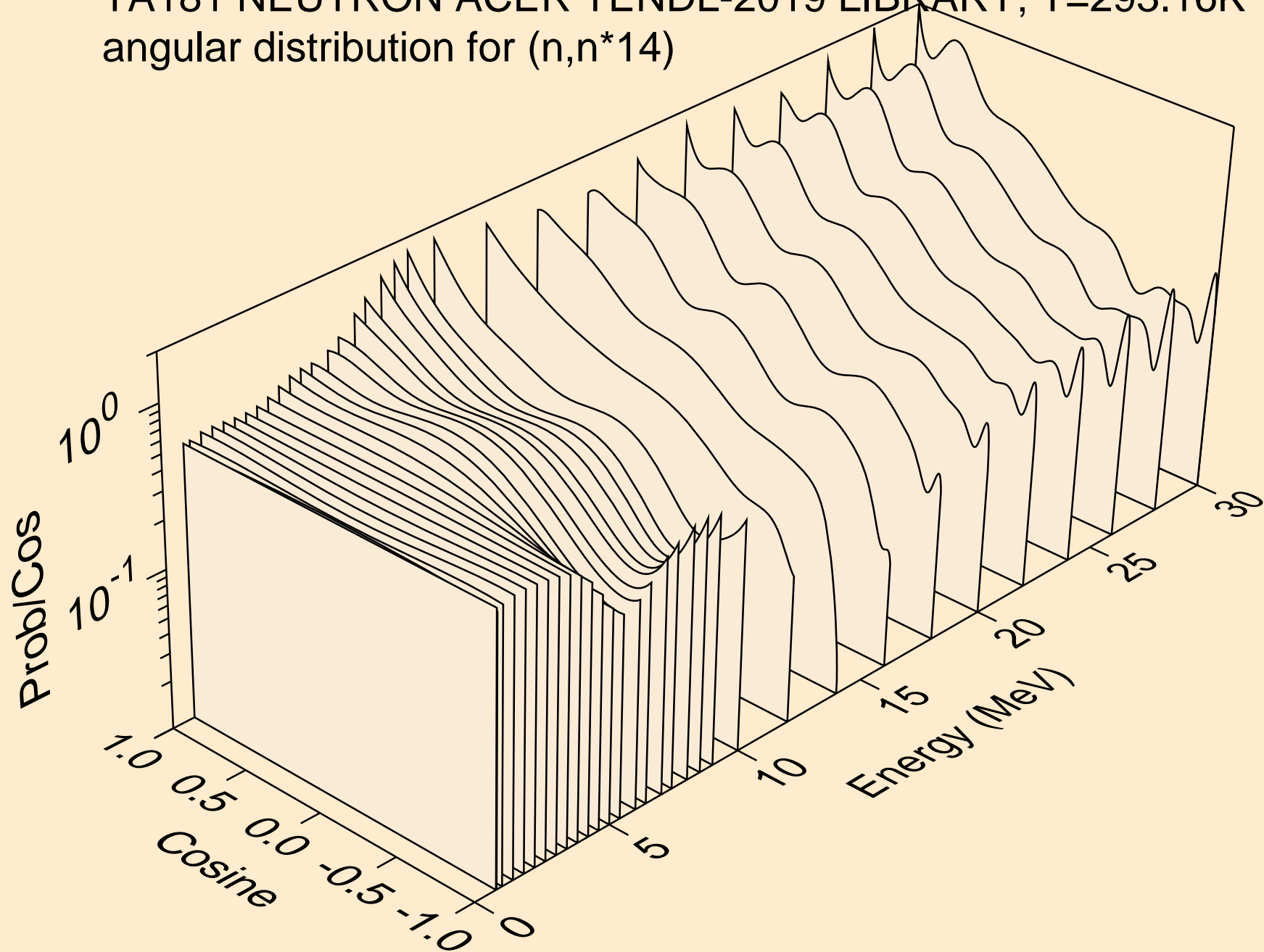
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angular distribution for (n,n\*12)



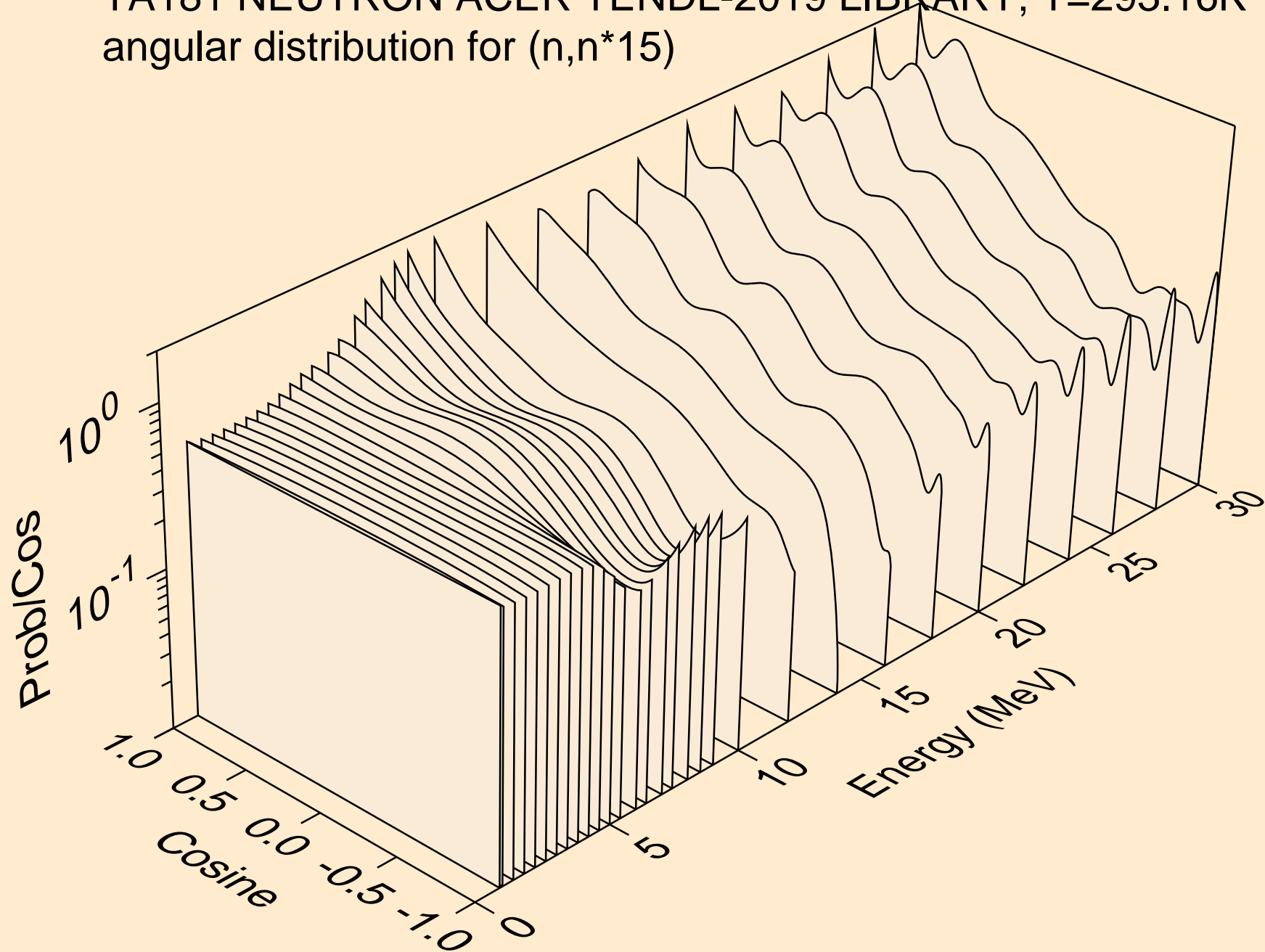
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angular distribution for (n,n\*13)



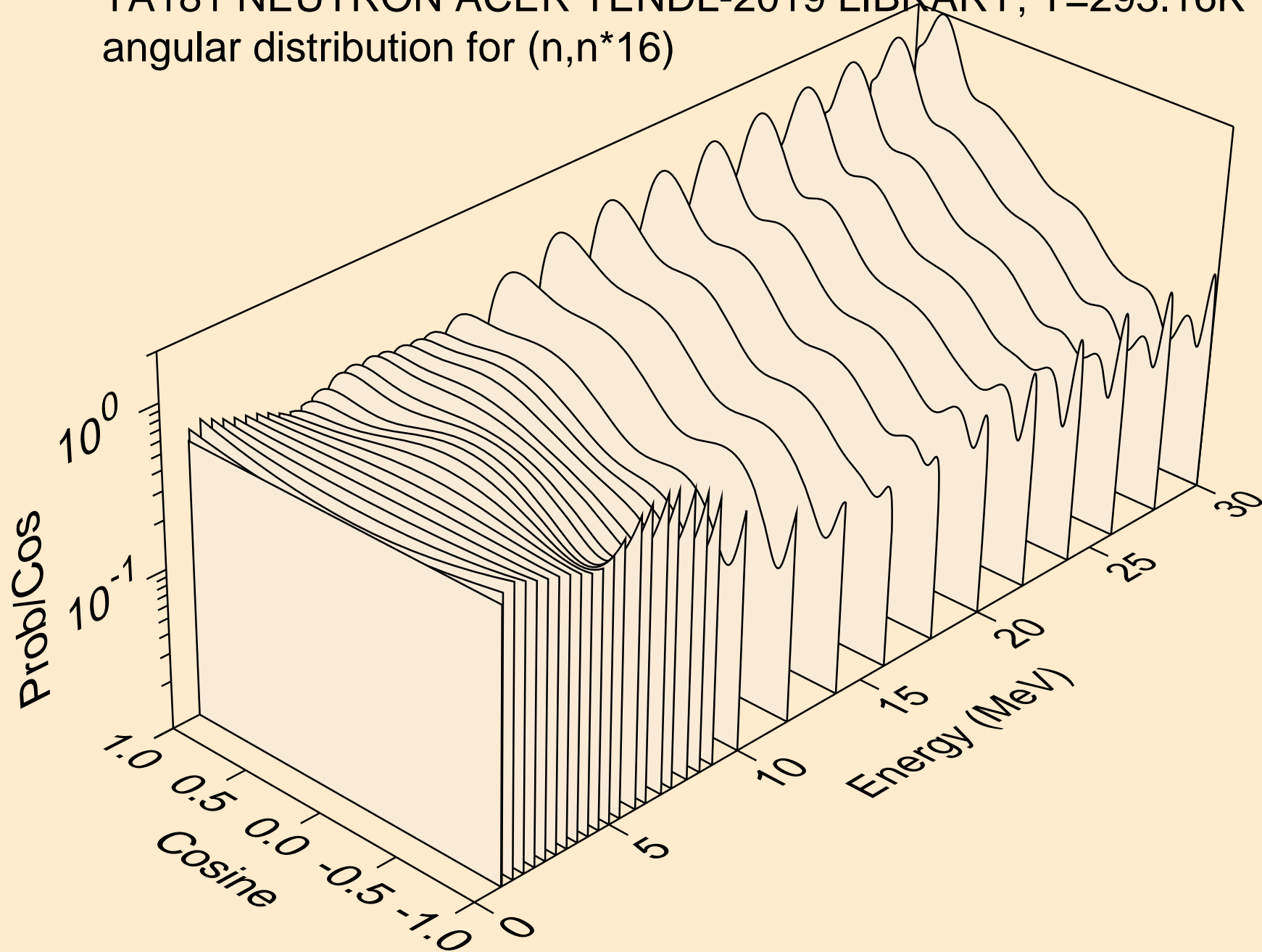
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angular distribution for (n,n\*14)



TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*15)

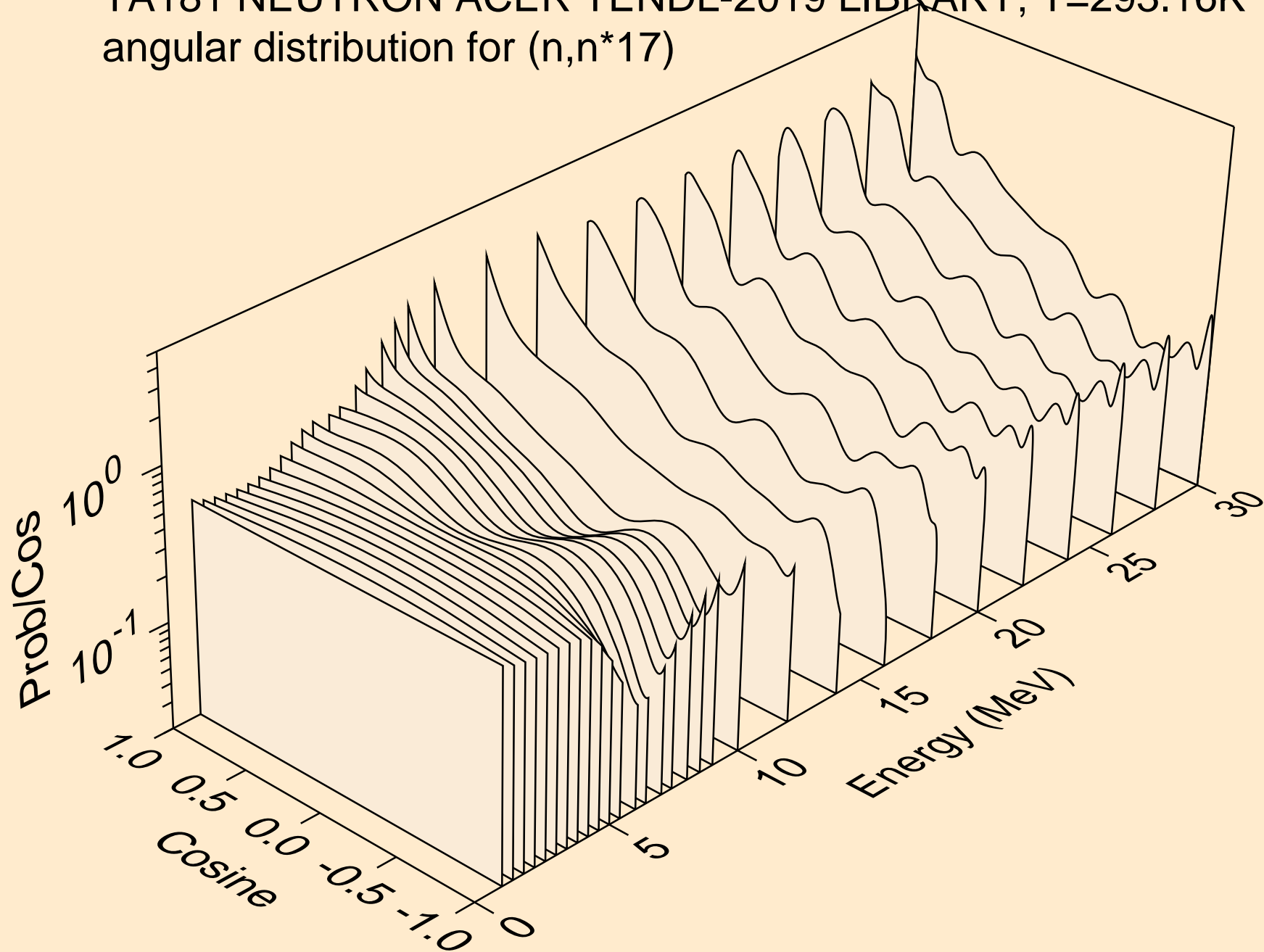


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angular distribution for (n,n\*16)

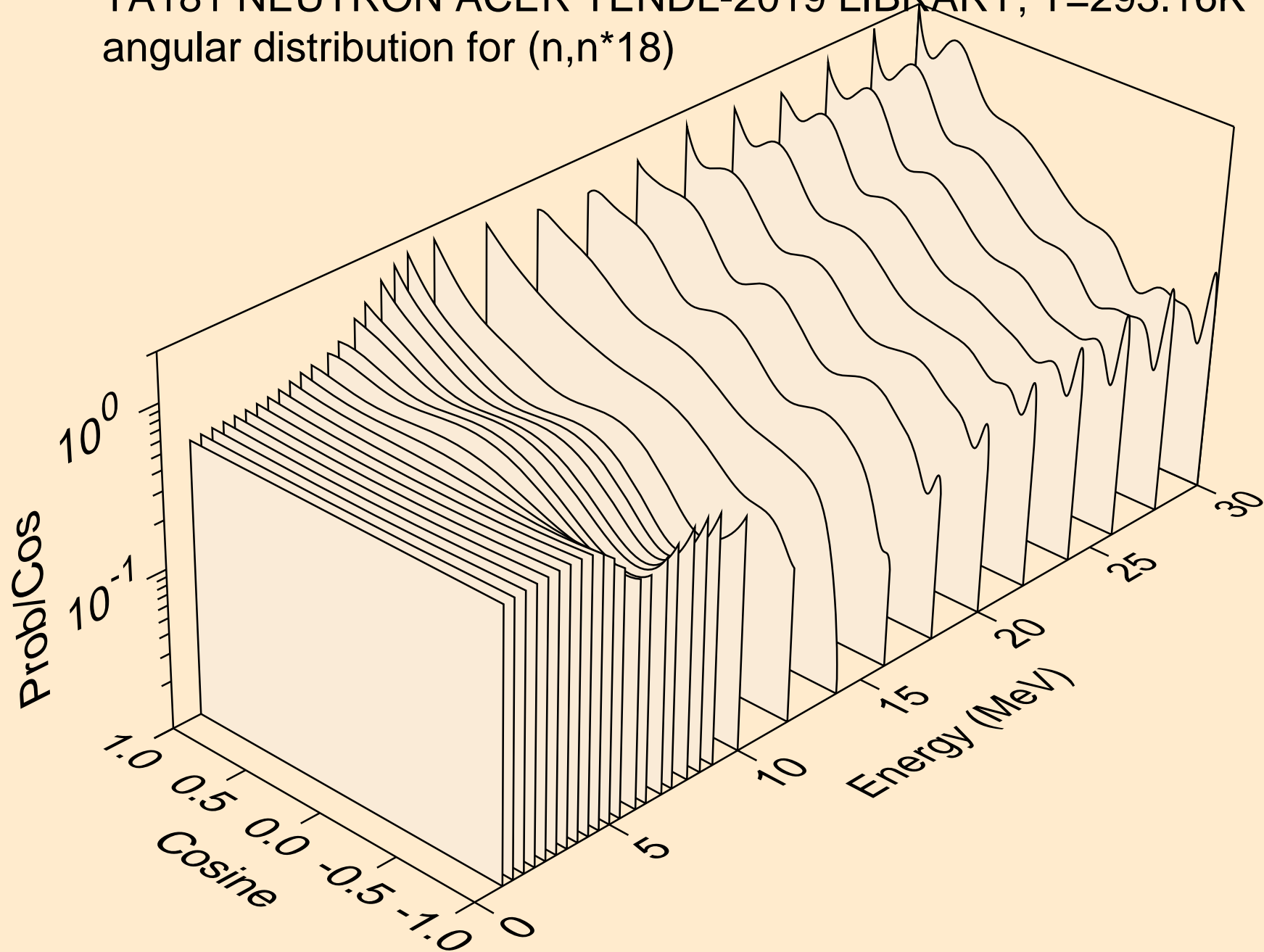




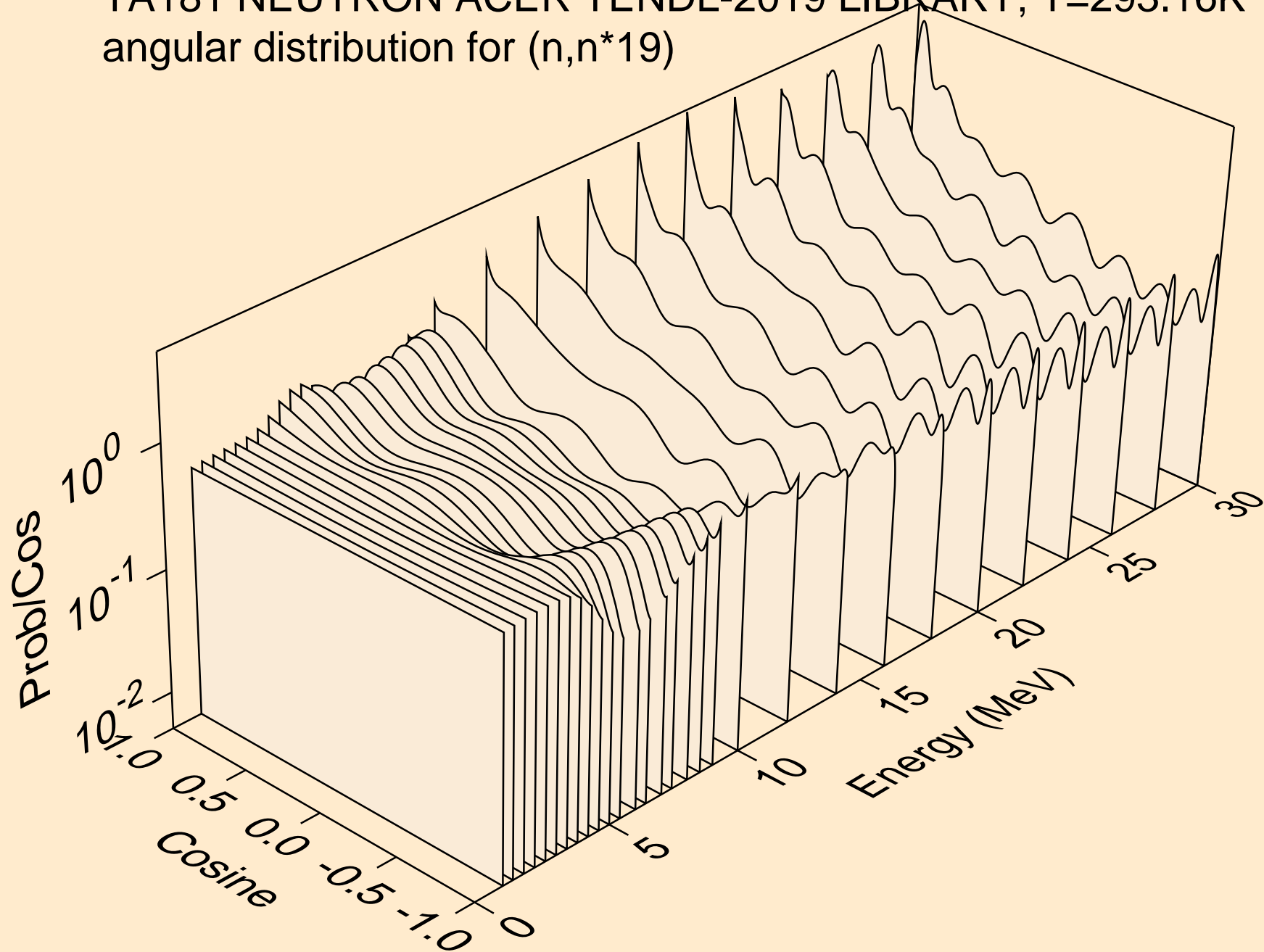
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angular distribution for (n,n\*17)



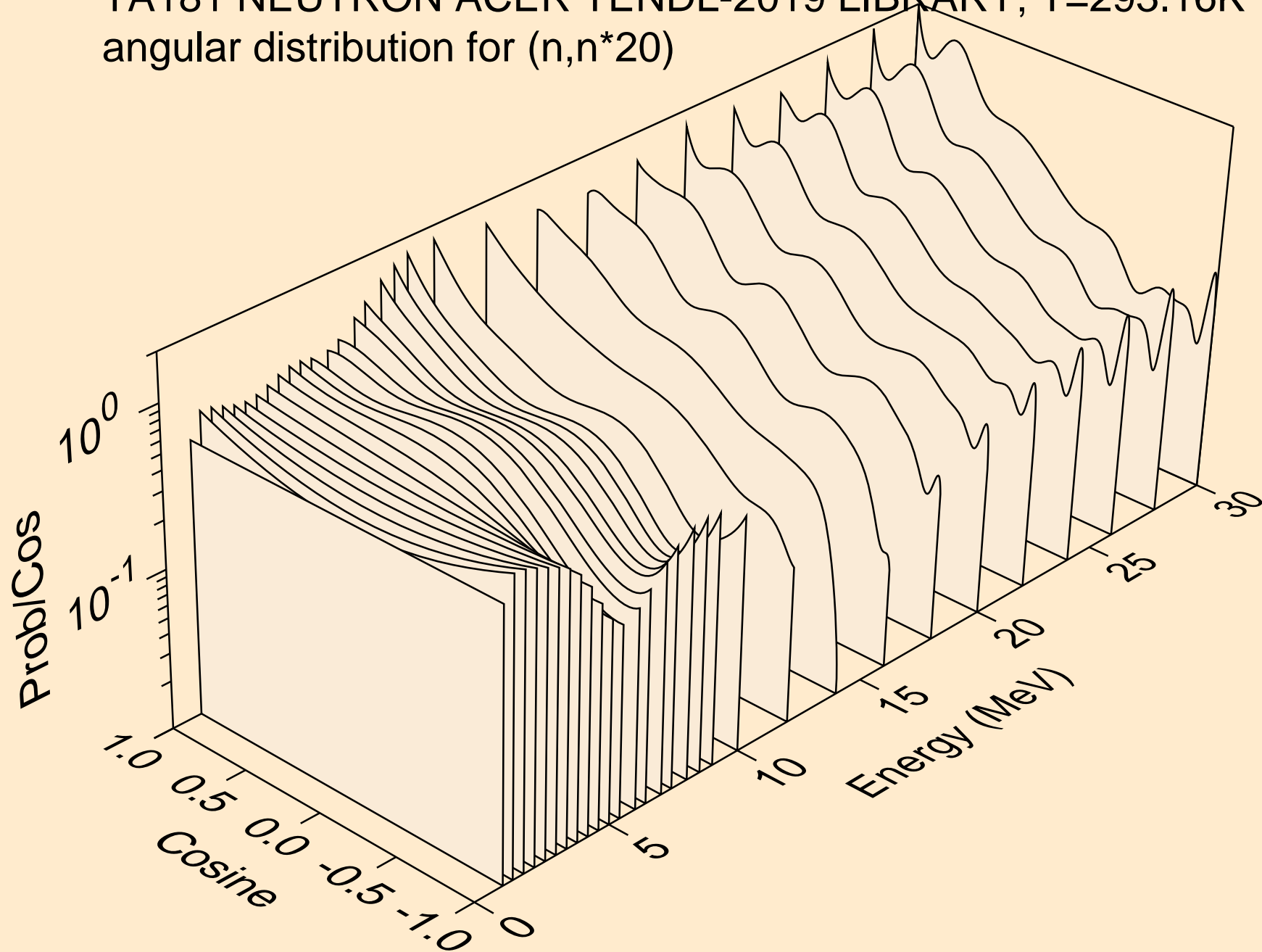
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angular distribution for (n,n\*18)



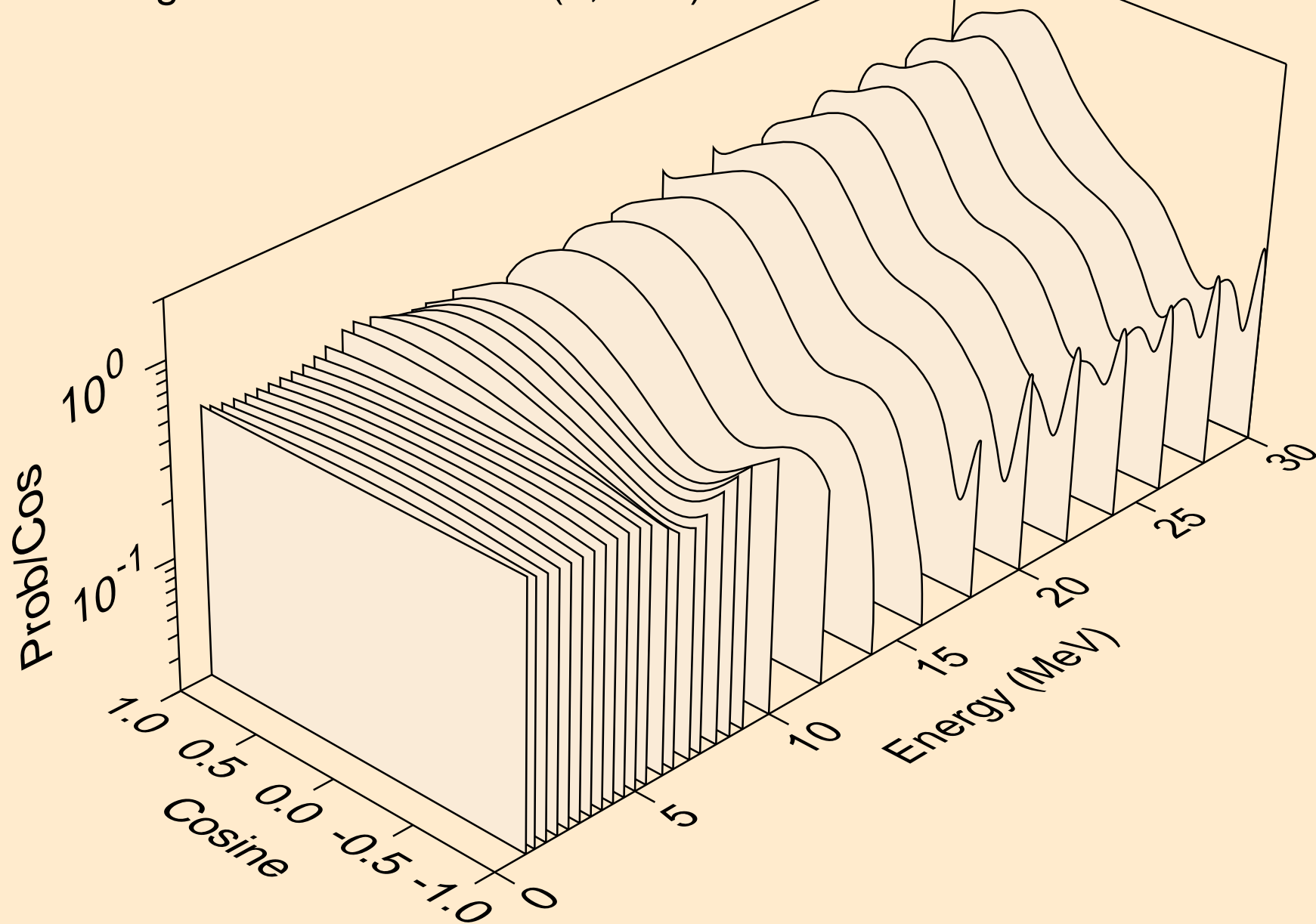
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angular distribution for (n,n\*19)



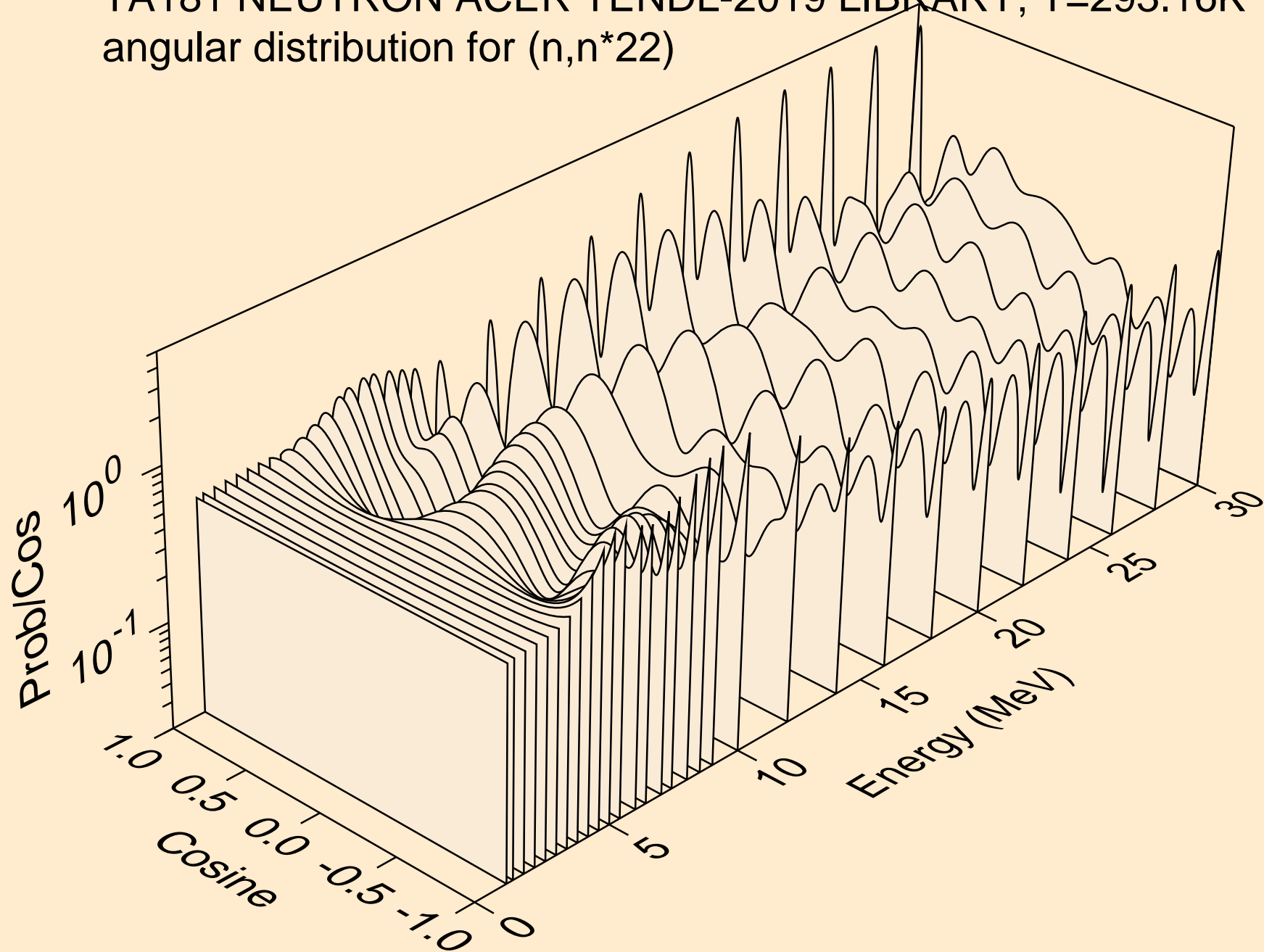
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angular distribution for (n,n\*20)



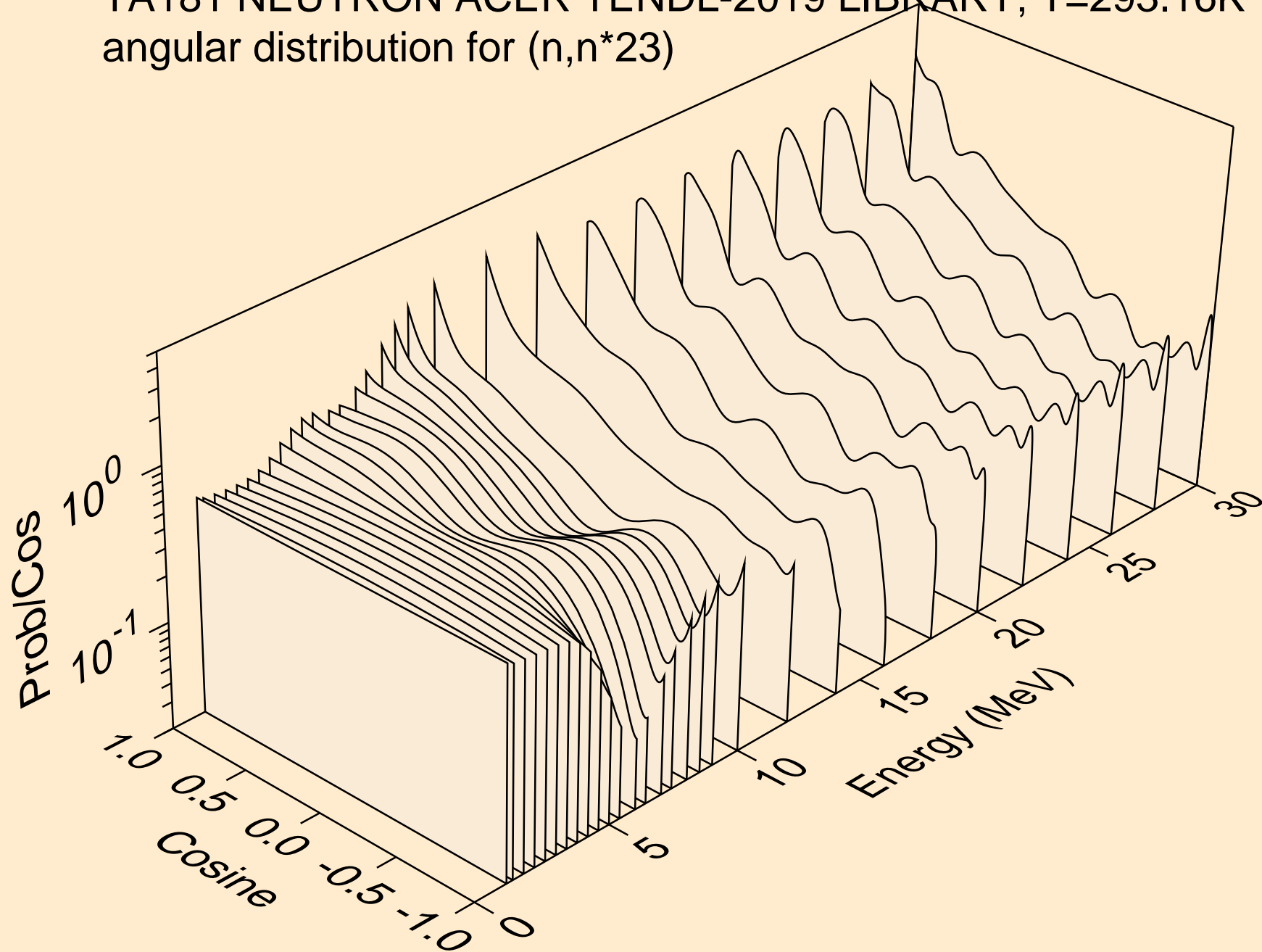
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angular distribution for (n,n\*21)



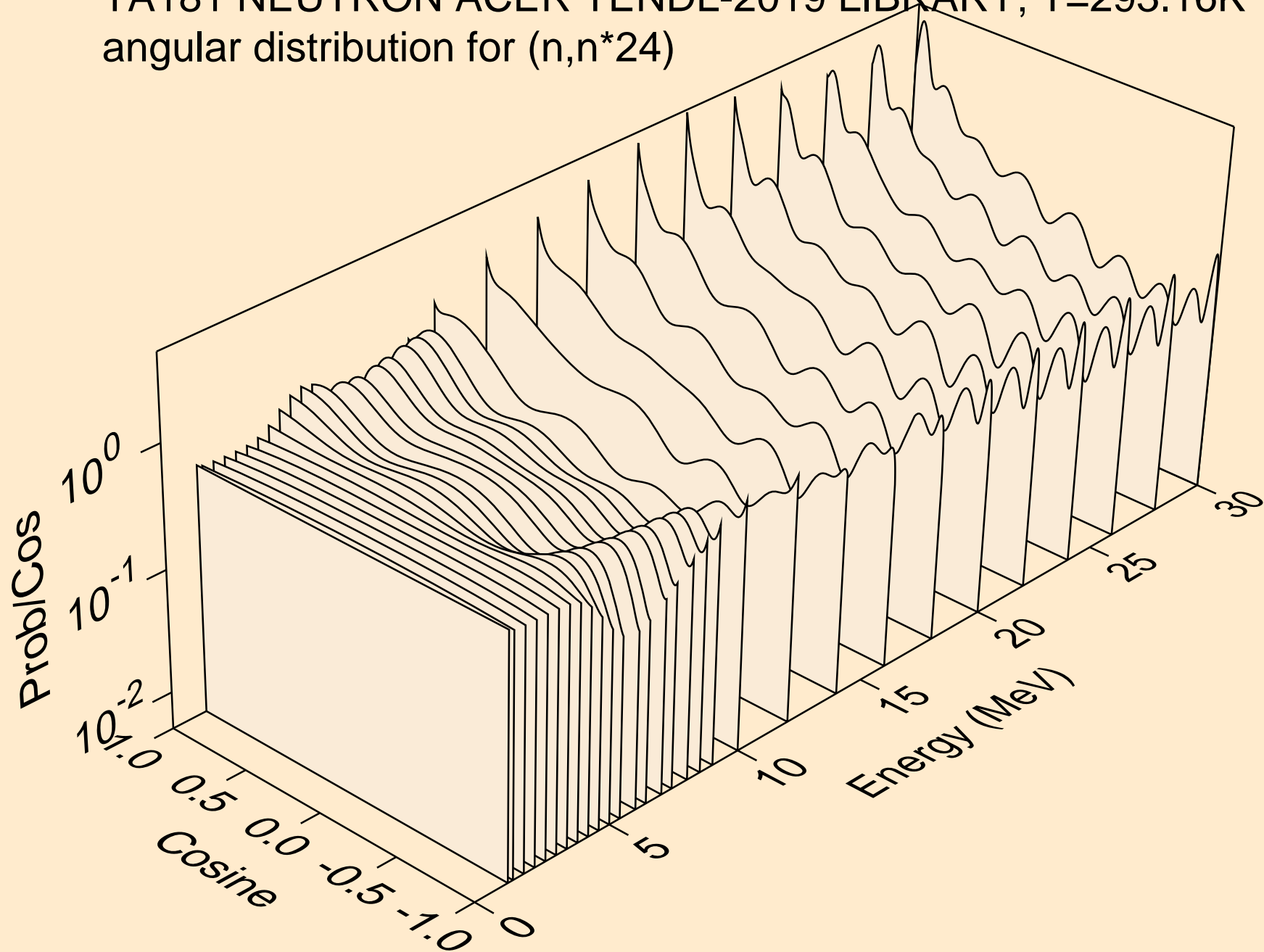
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angular distribution for (n,n\*22)



TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*23)

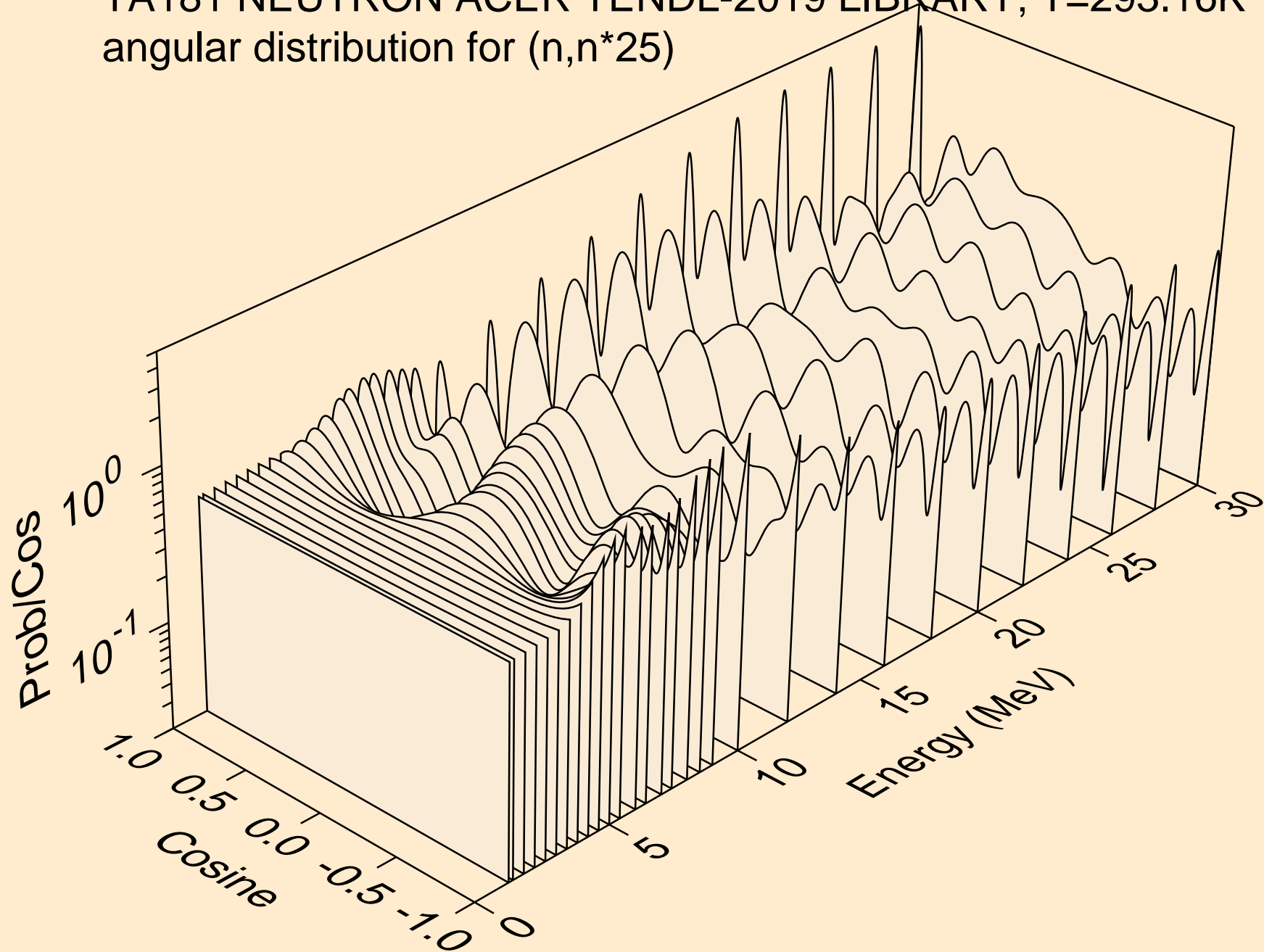


TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*24)

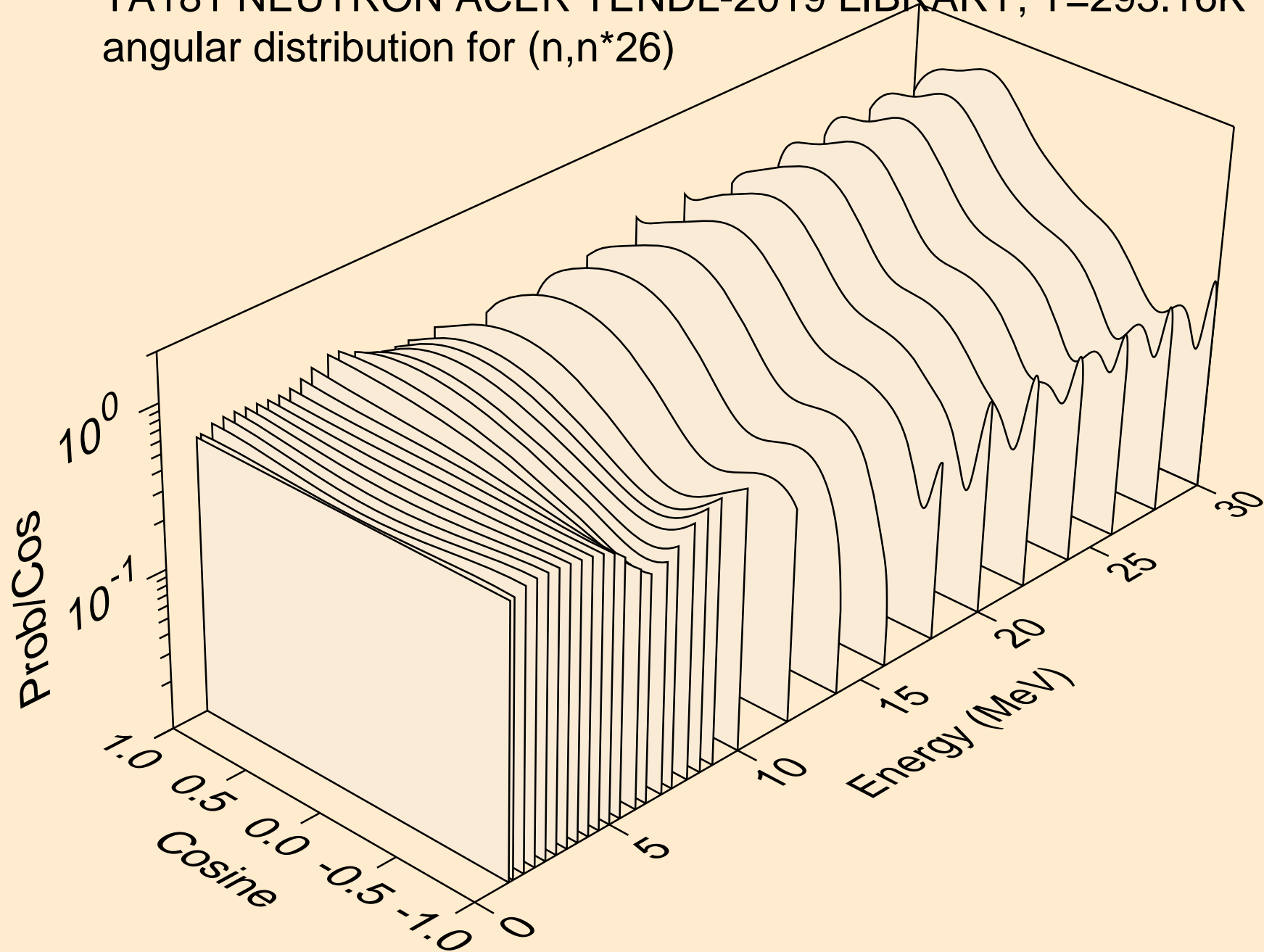




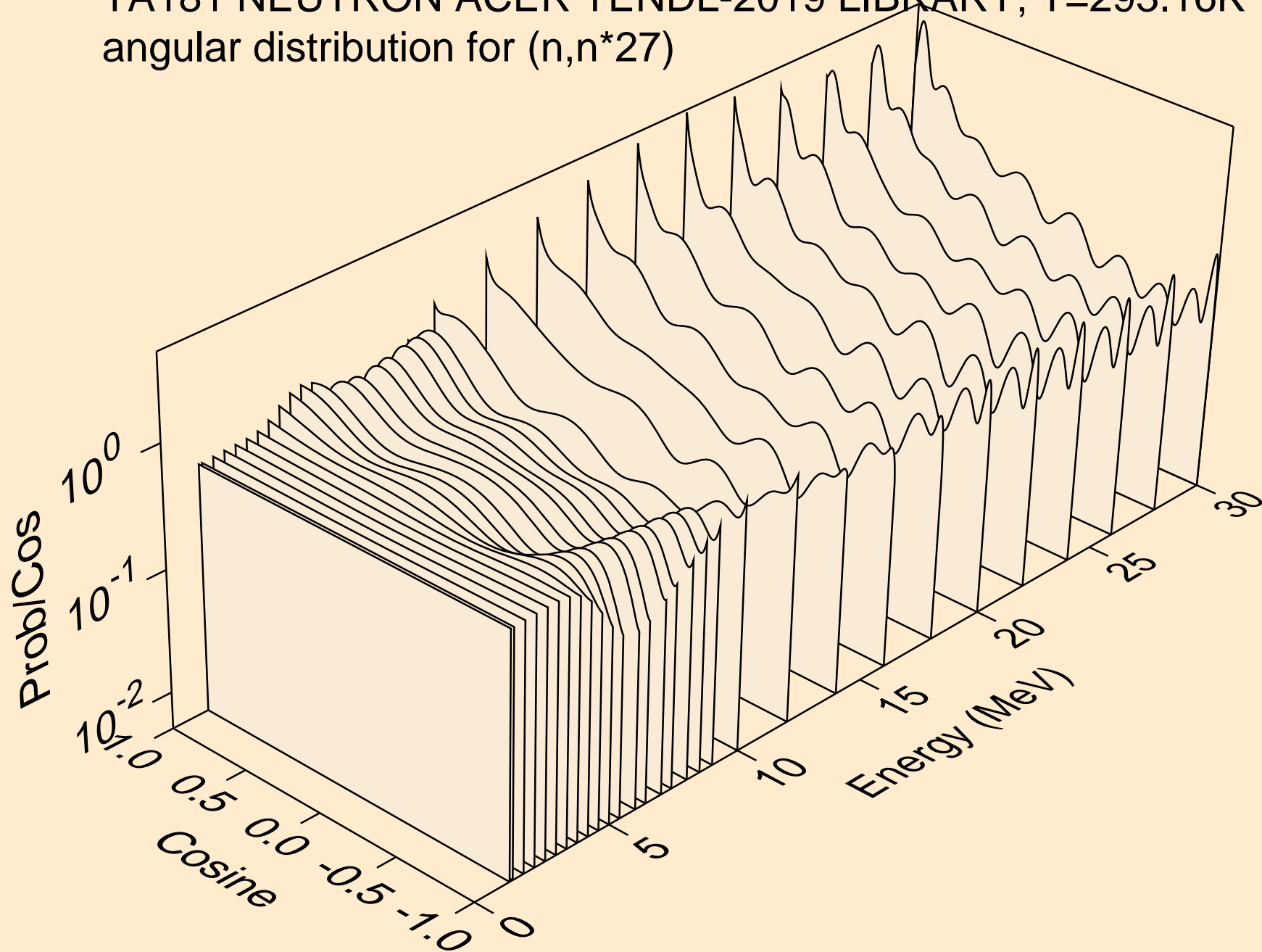
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angular distribution for (n,n\*25)



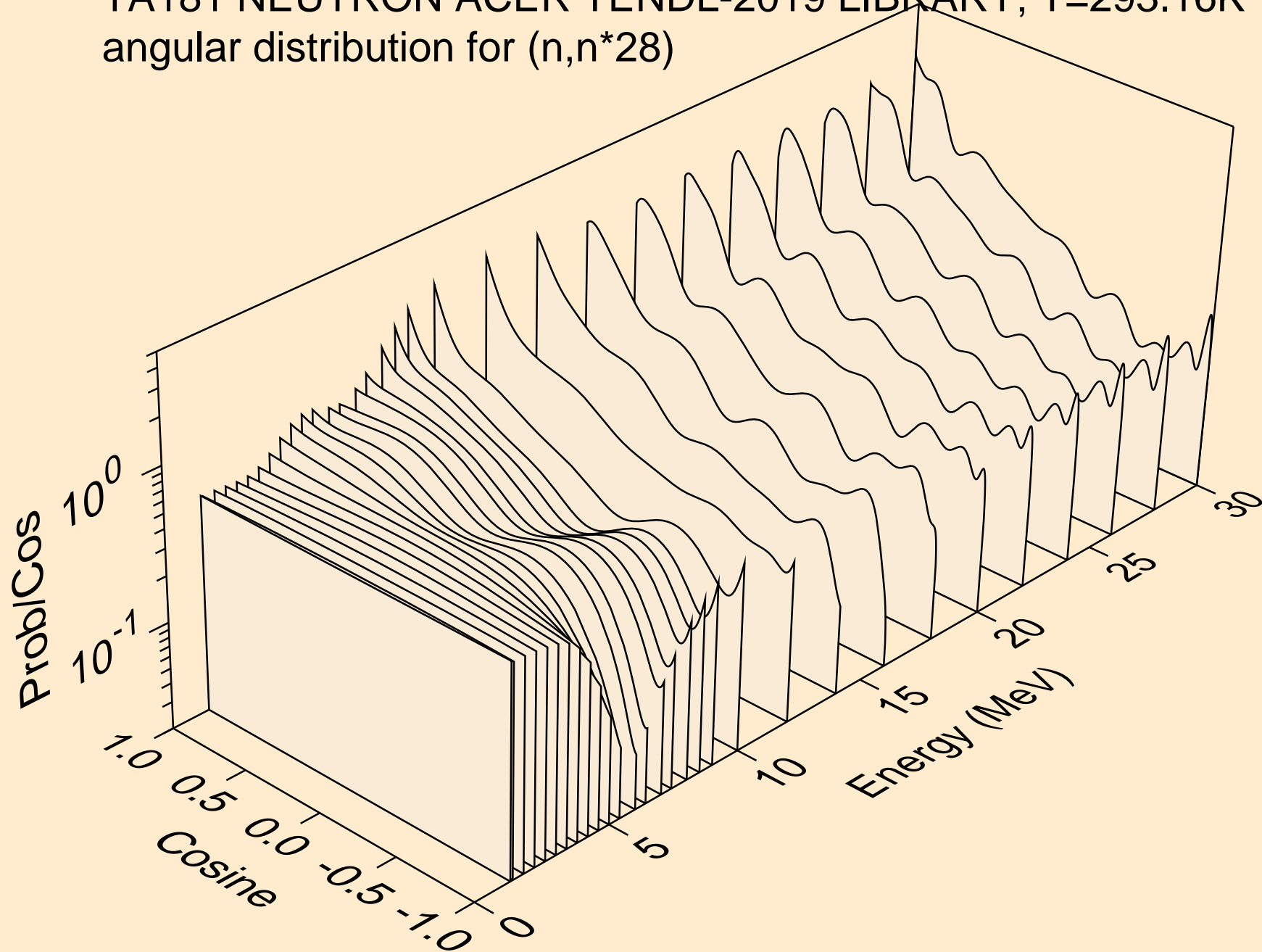
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angular distribution for (n,n\*26)



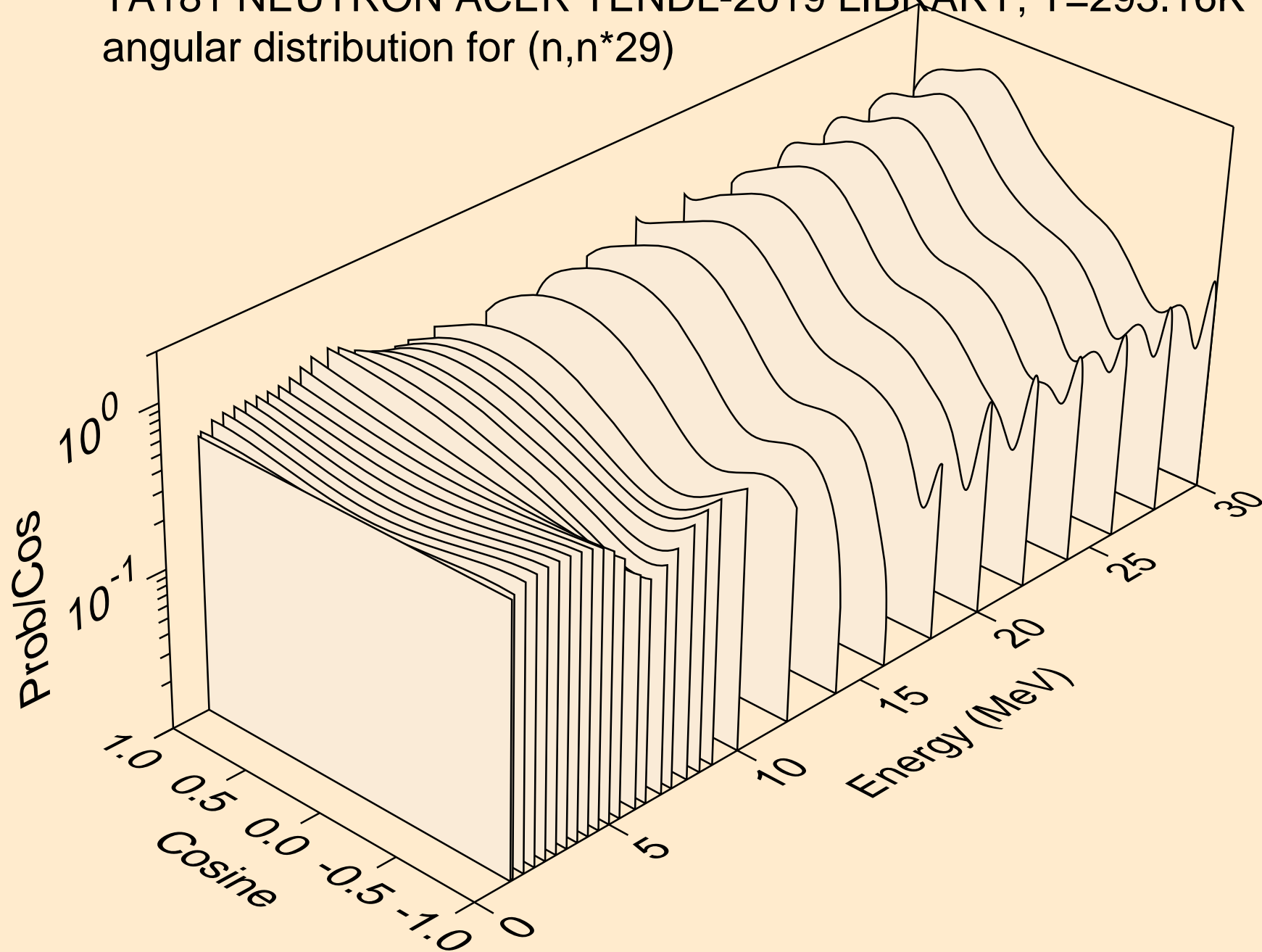
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angular distribution for (n,n\*27)



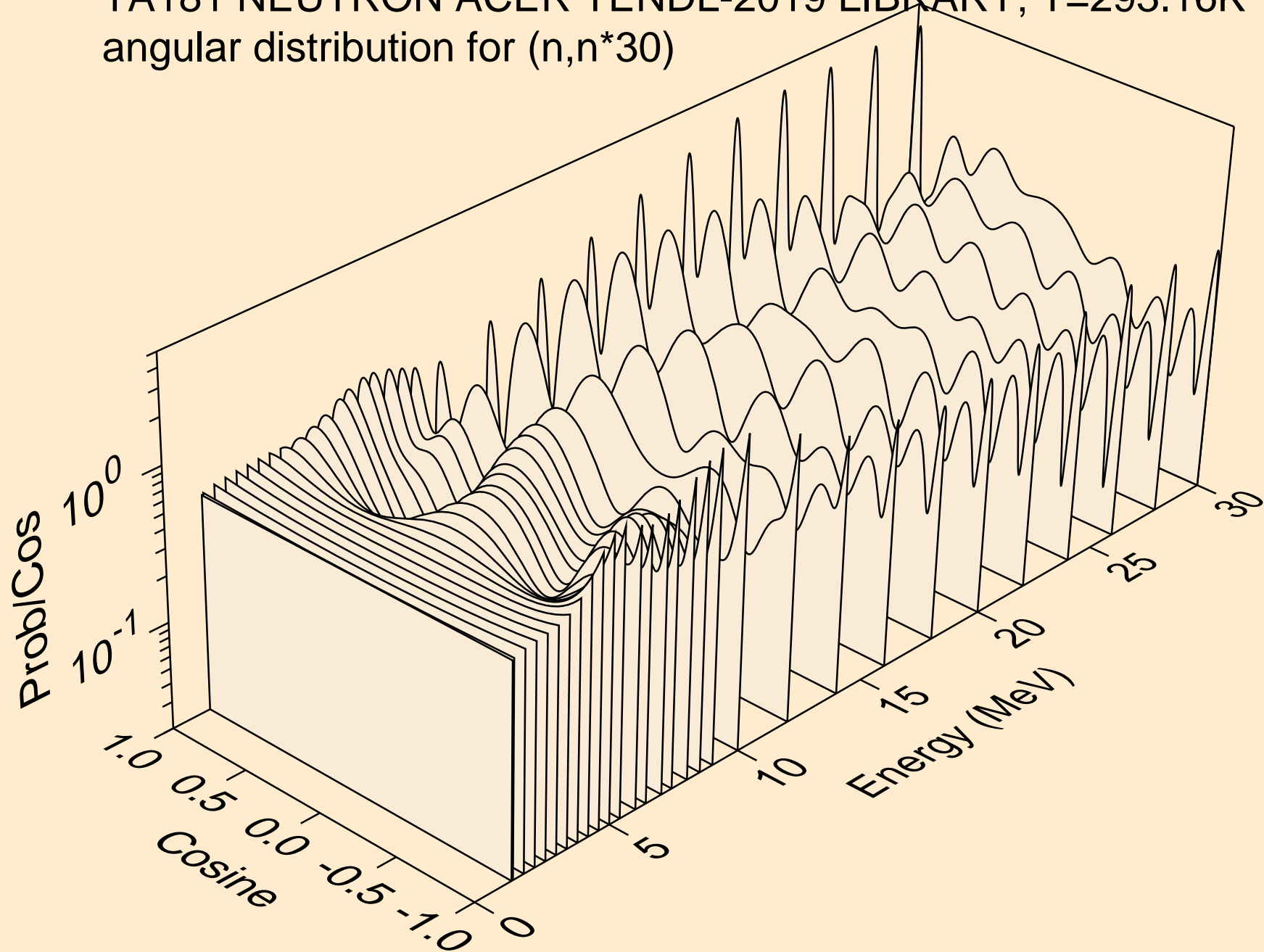
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angular distribution for (n,n\*28)



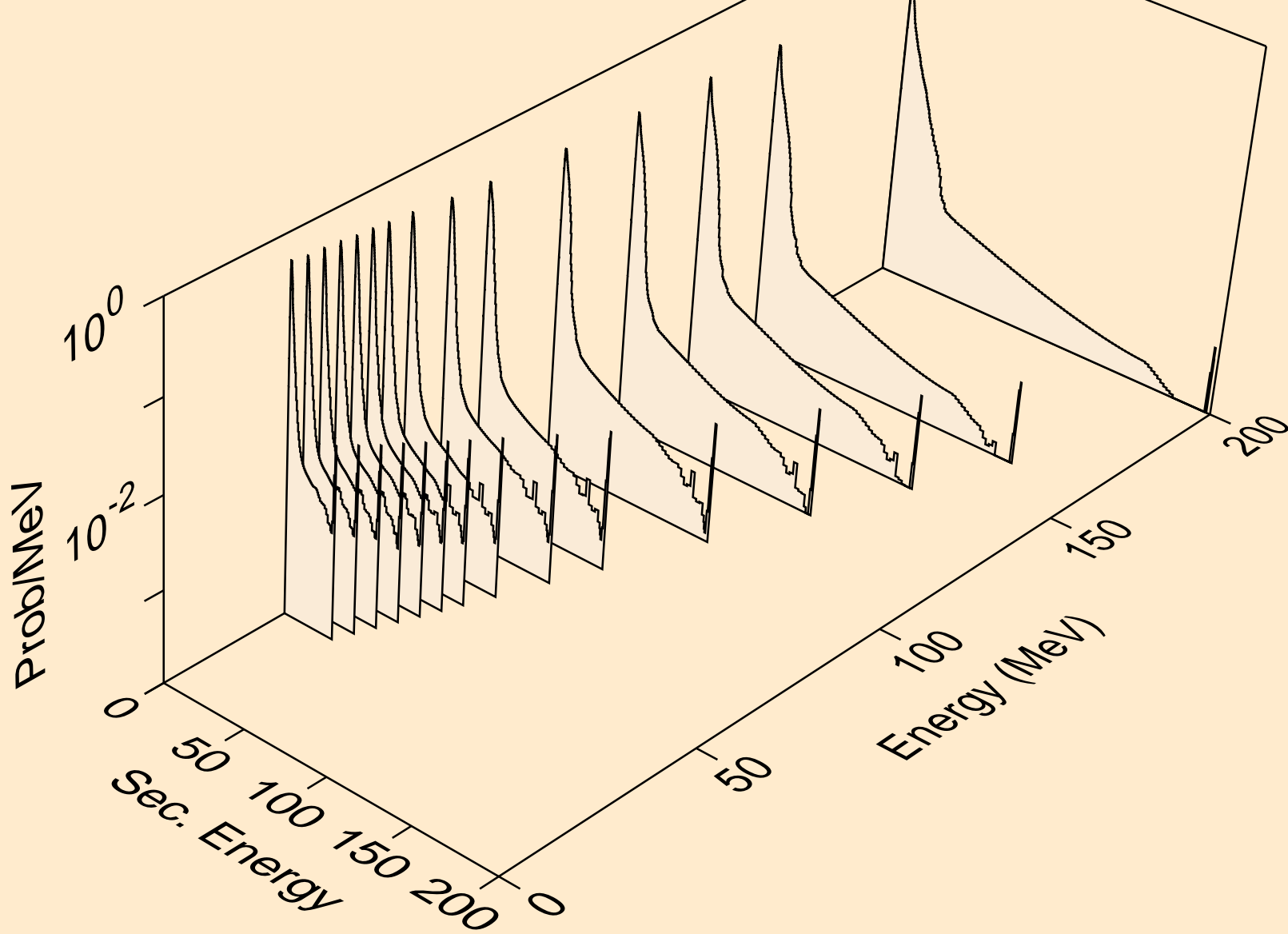
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*29)



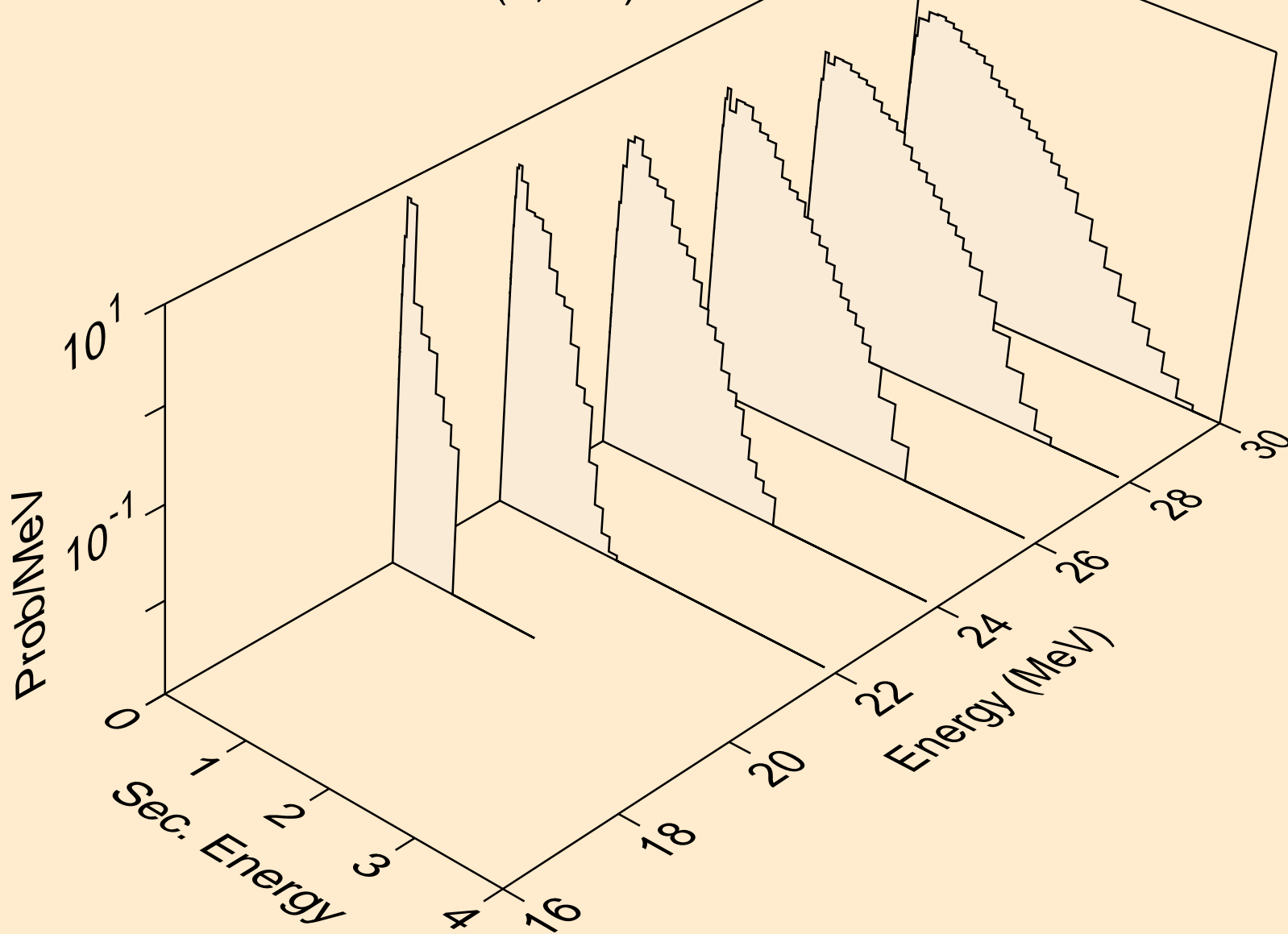
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*30)



TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)

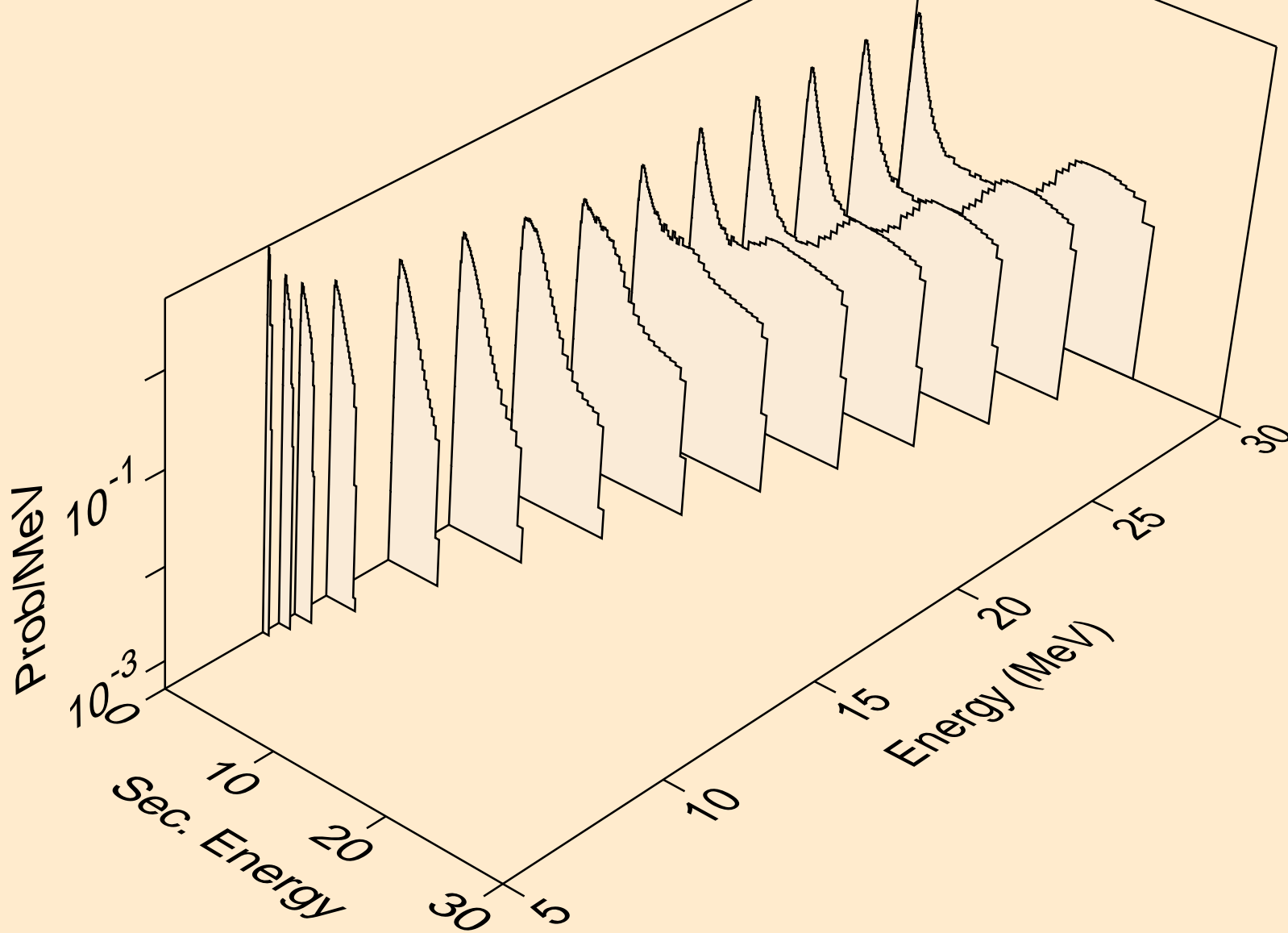


TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)

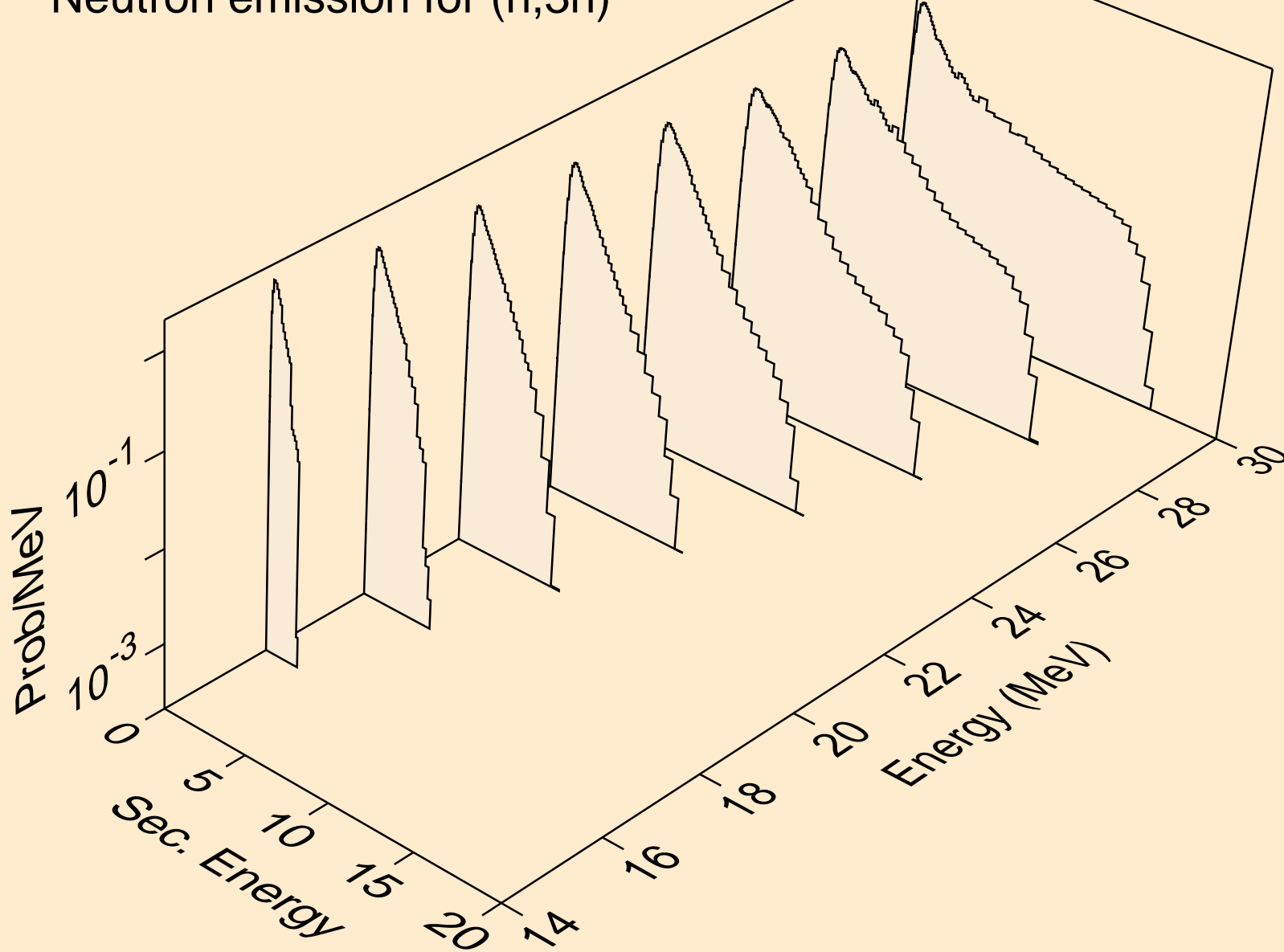




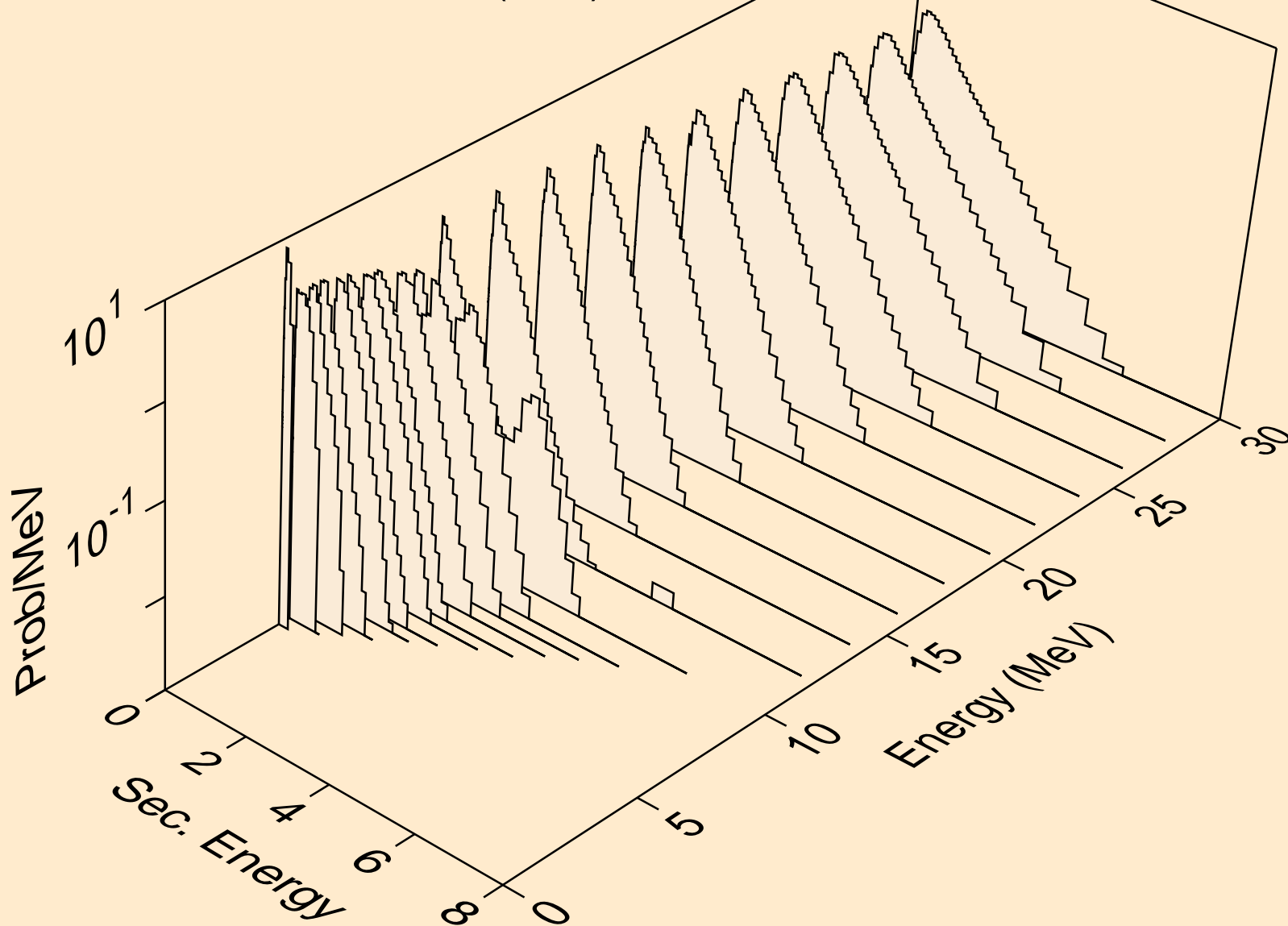
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



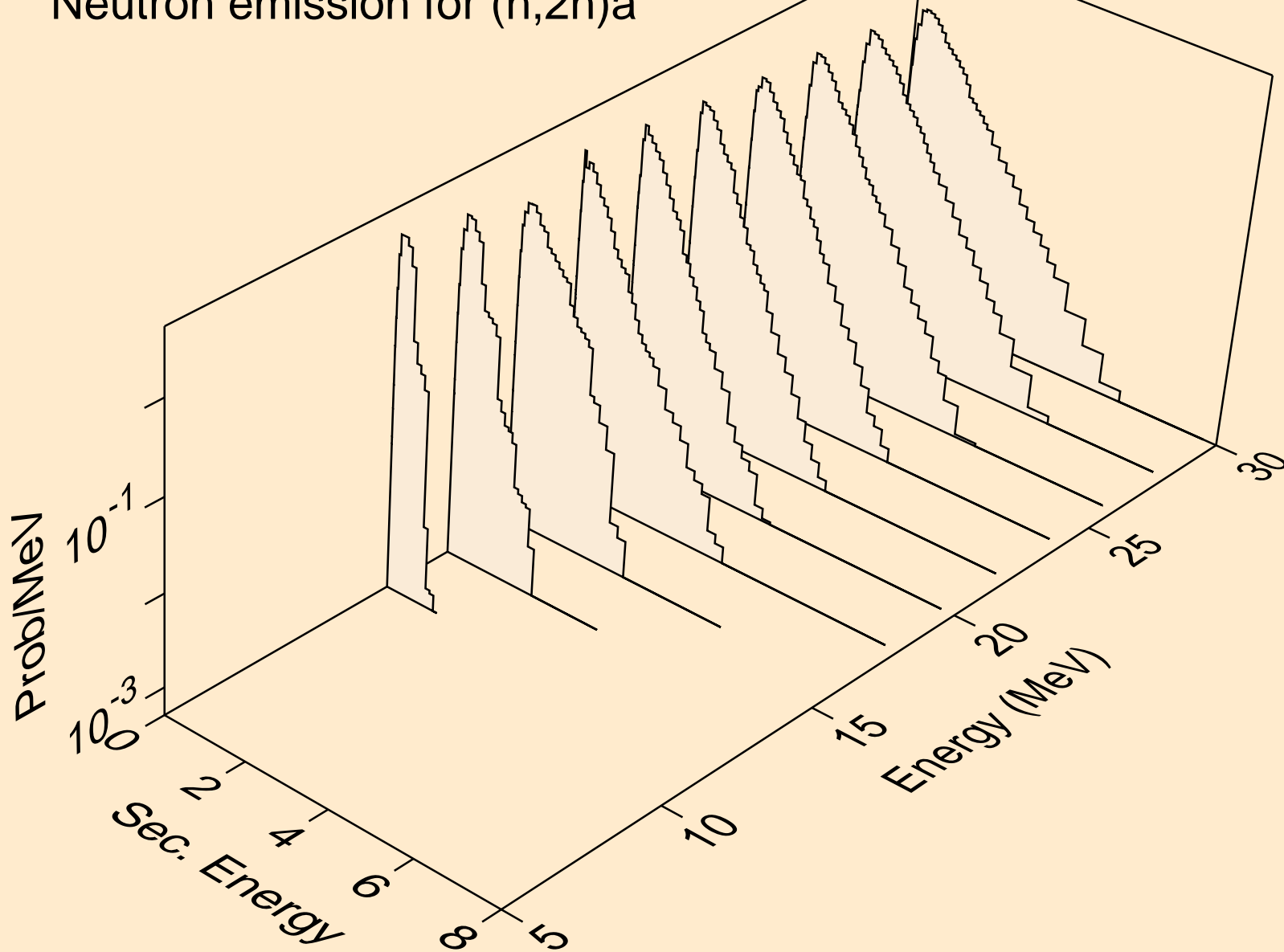
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



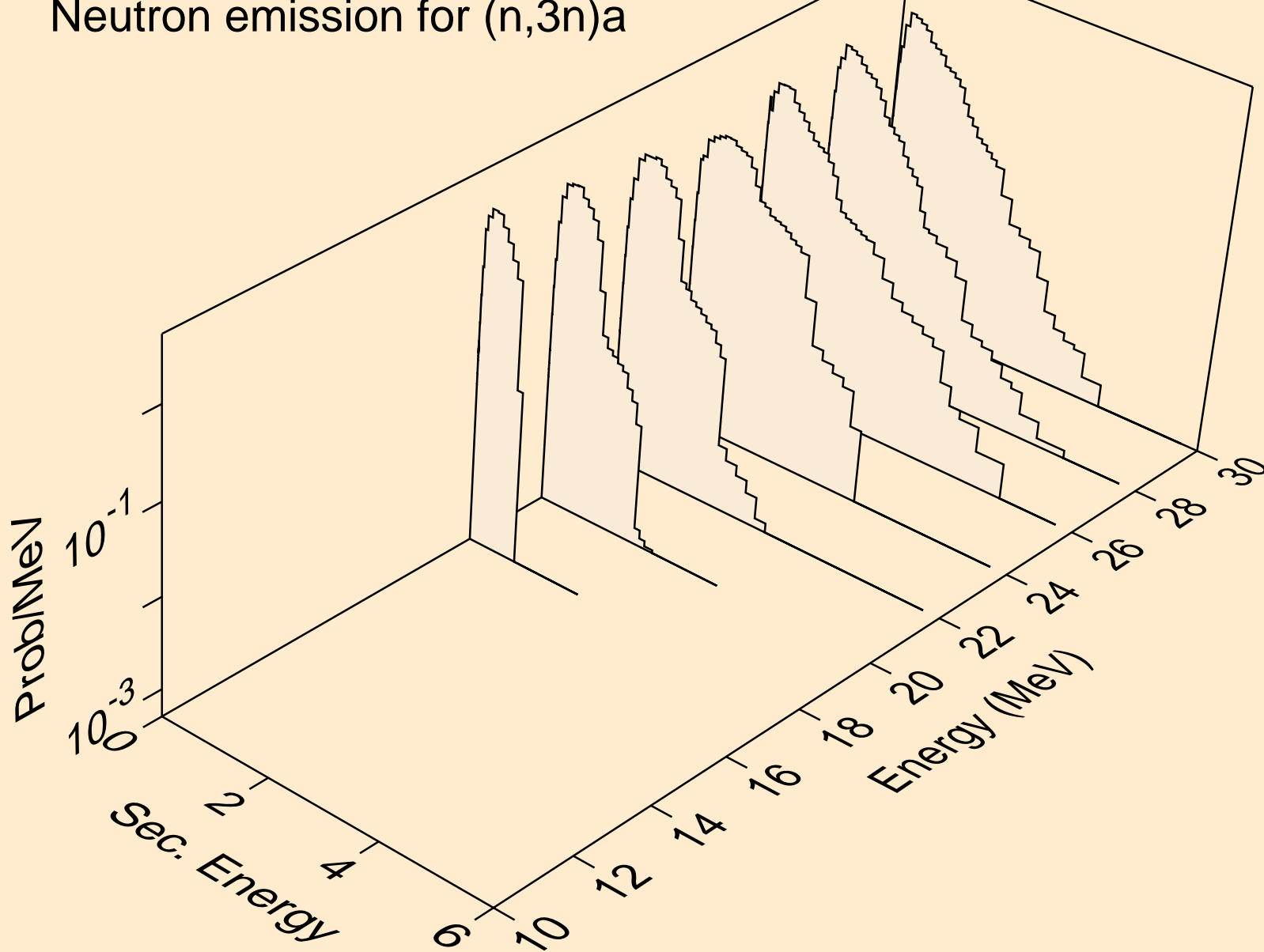
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



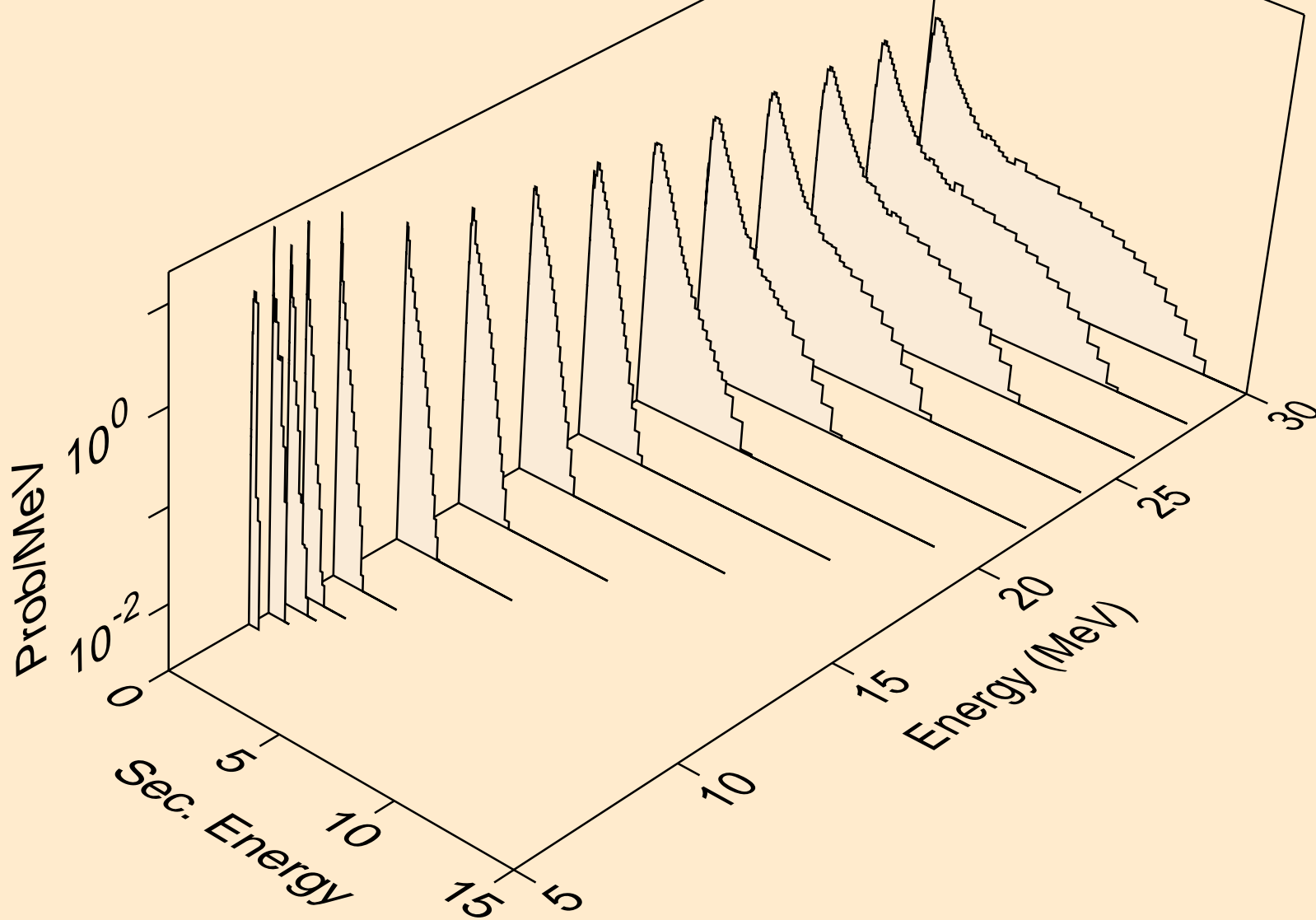
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a



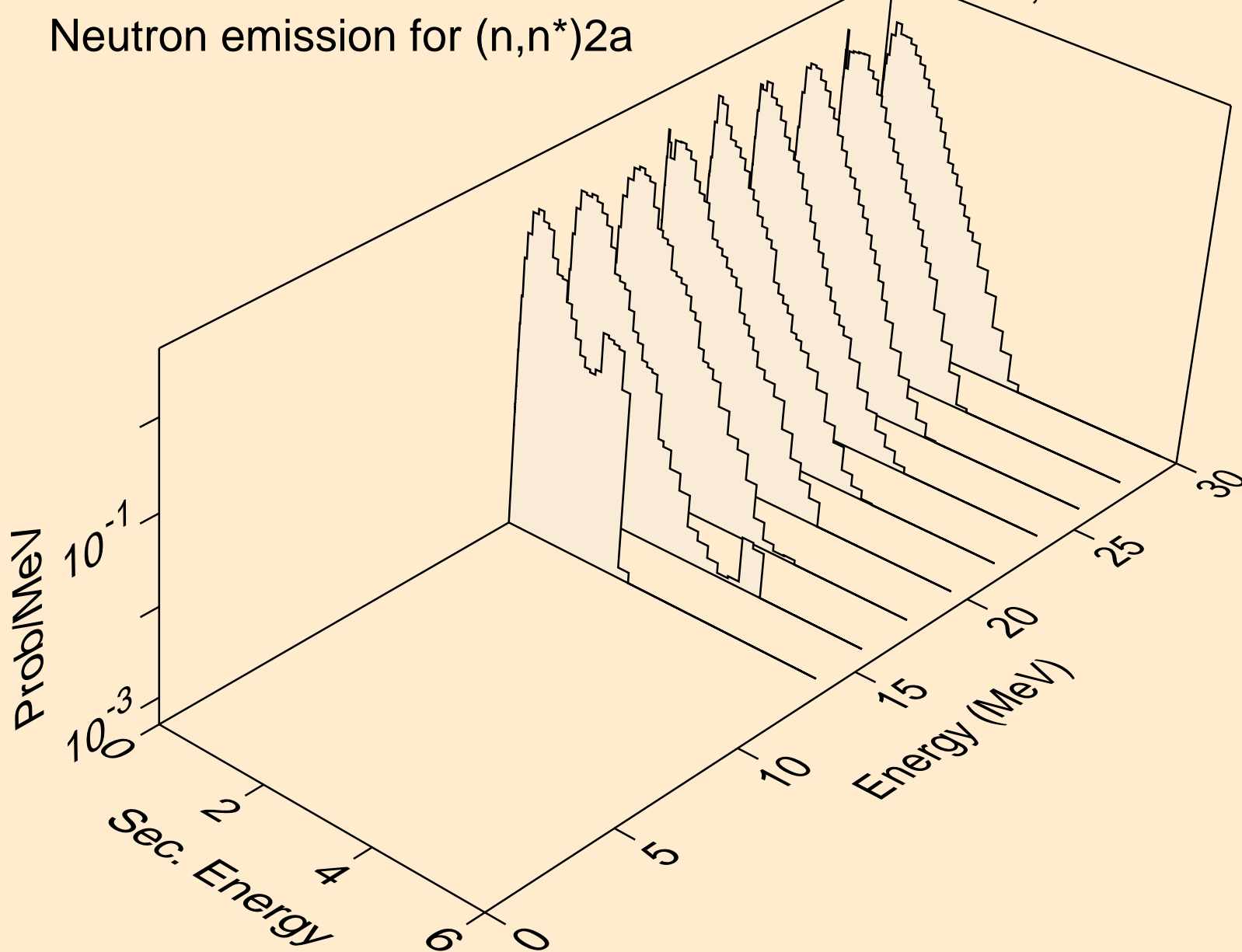
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



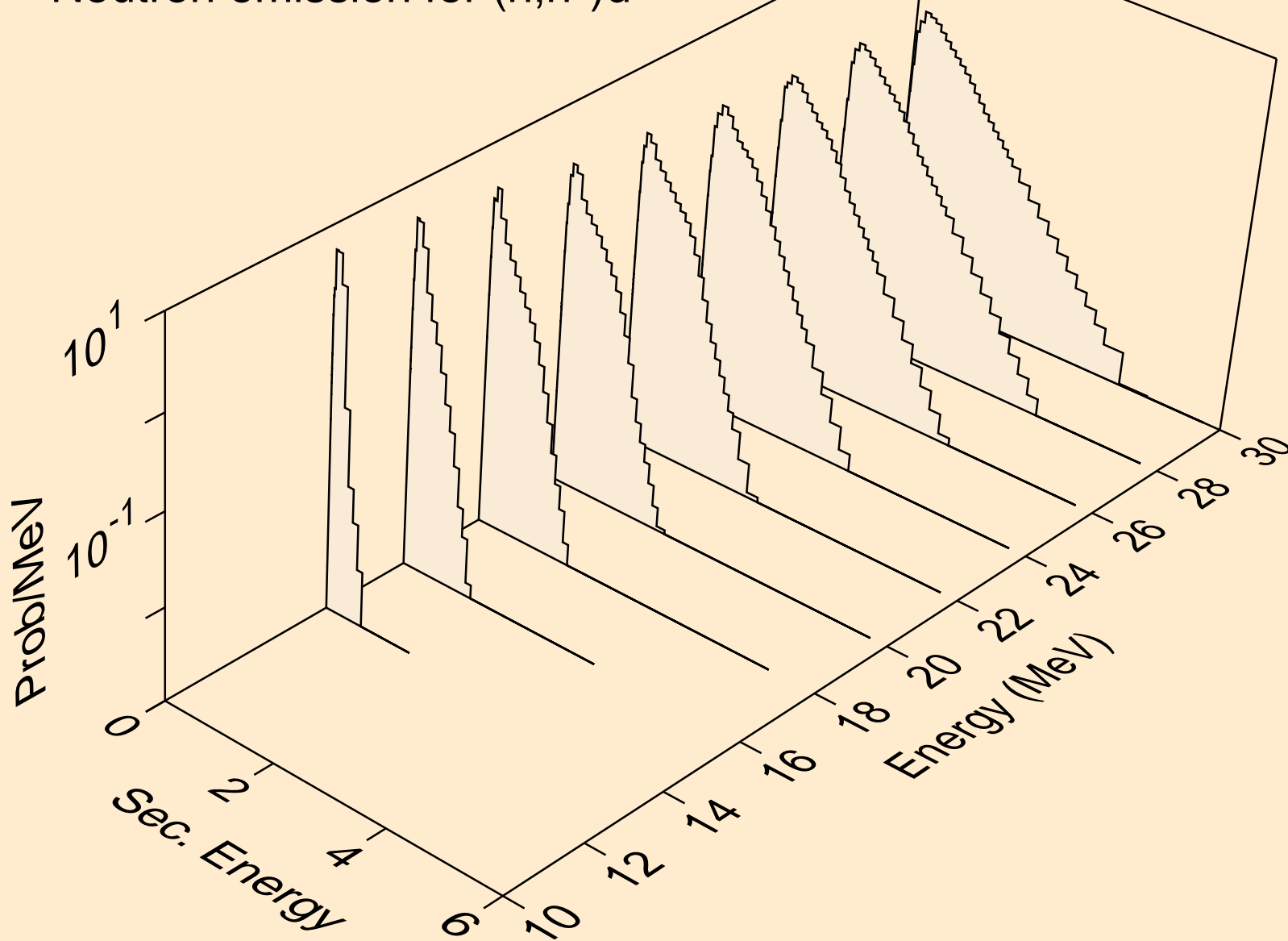
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a

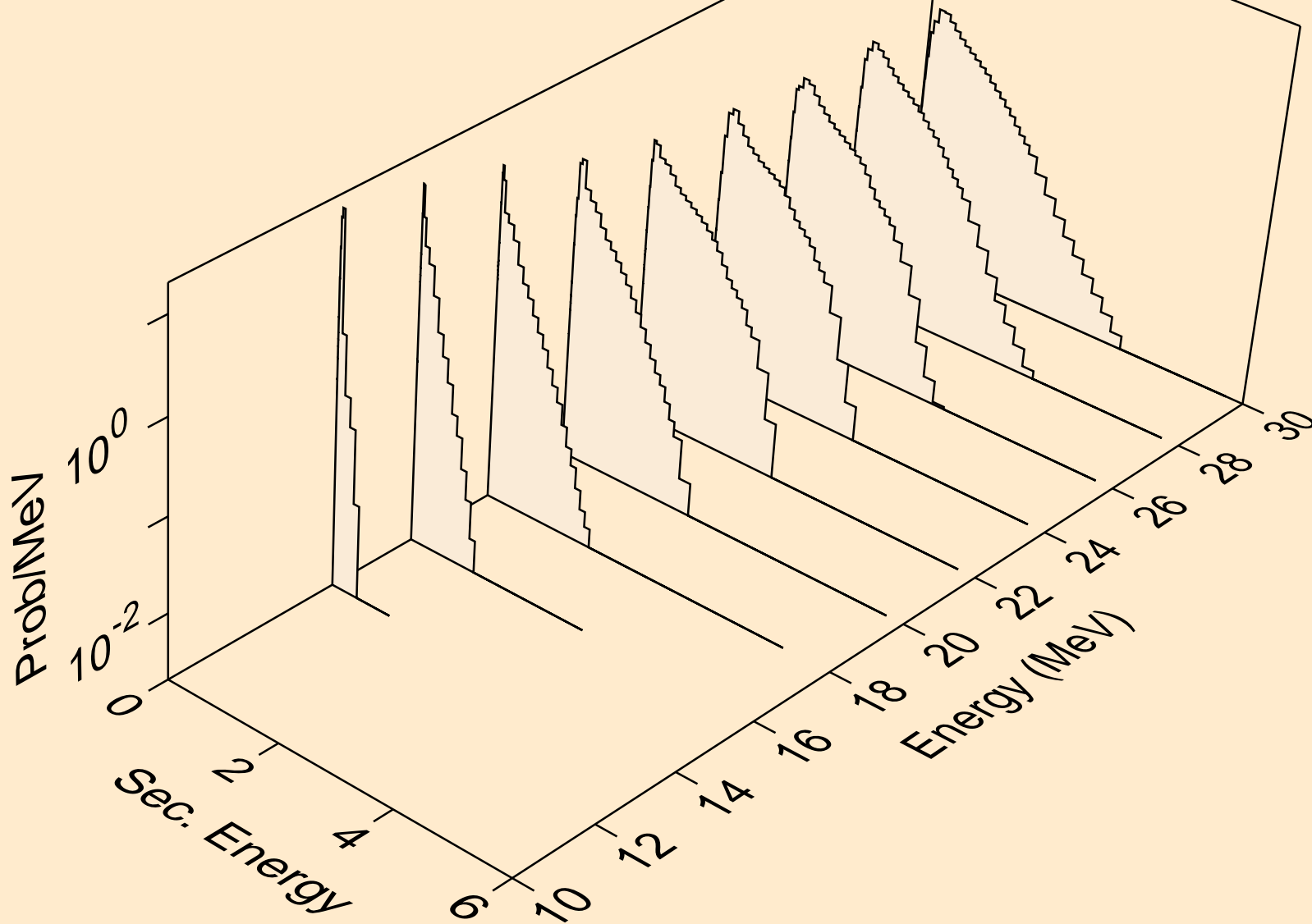


TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d

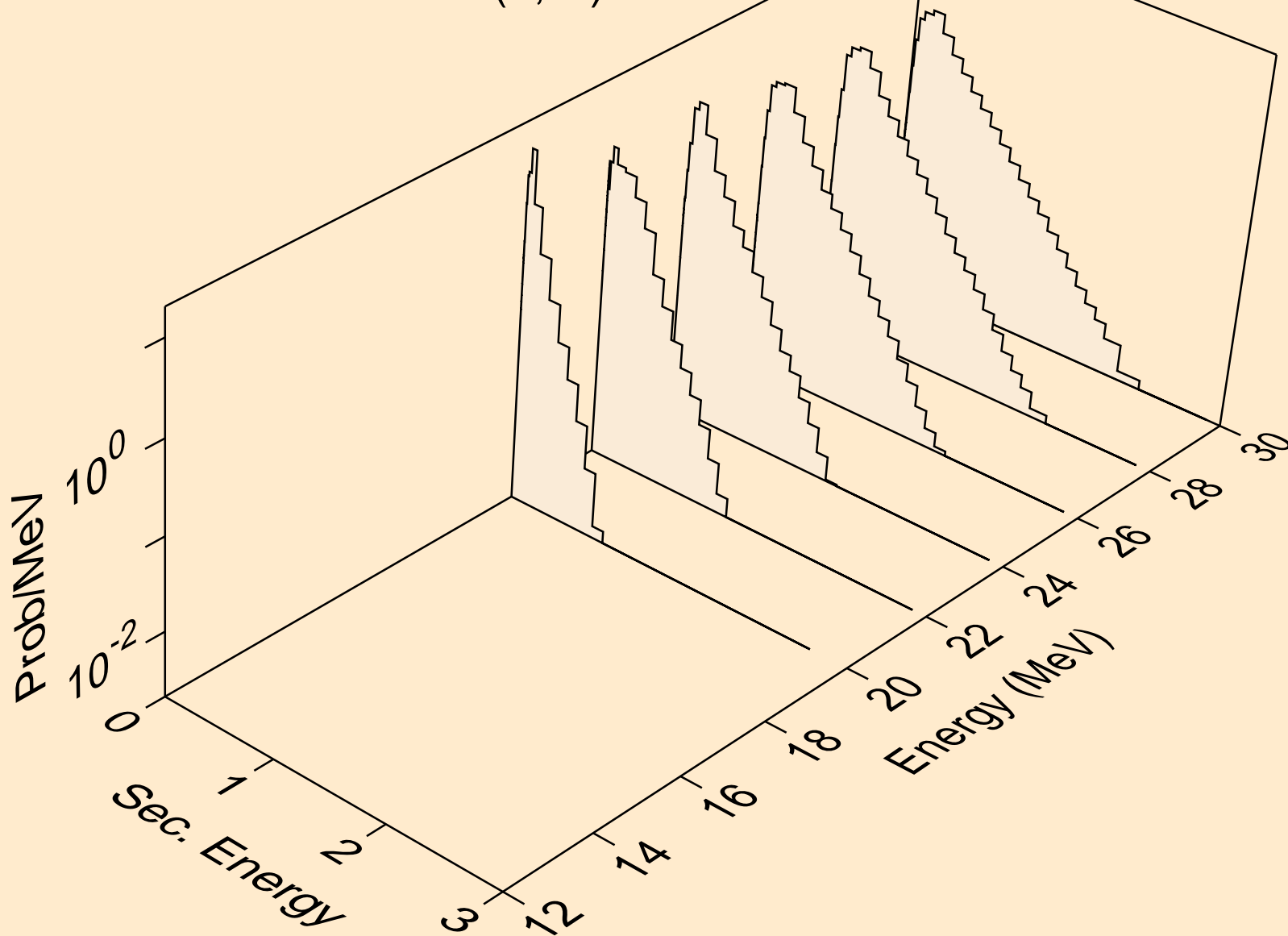




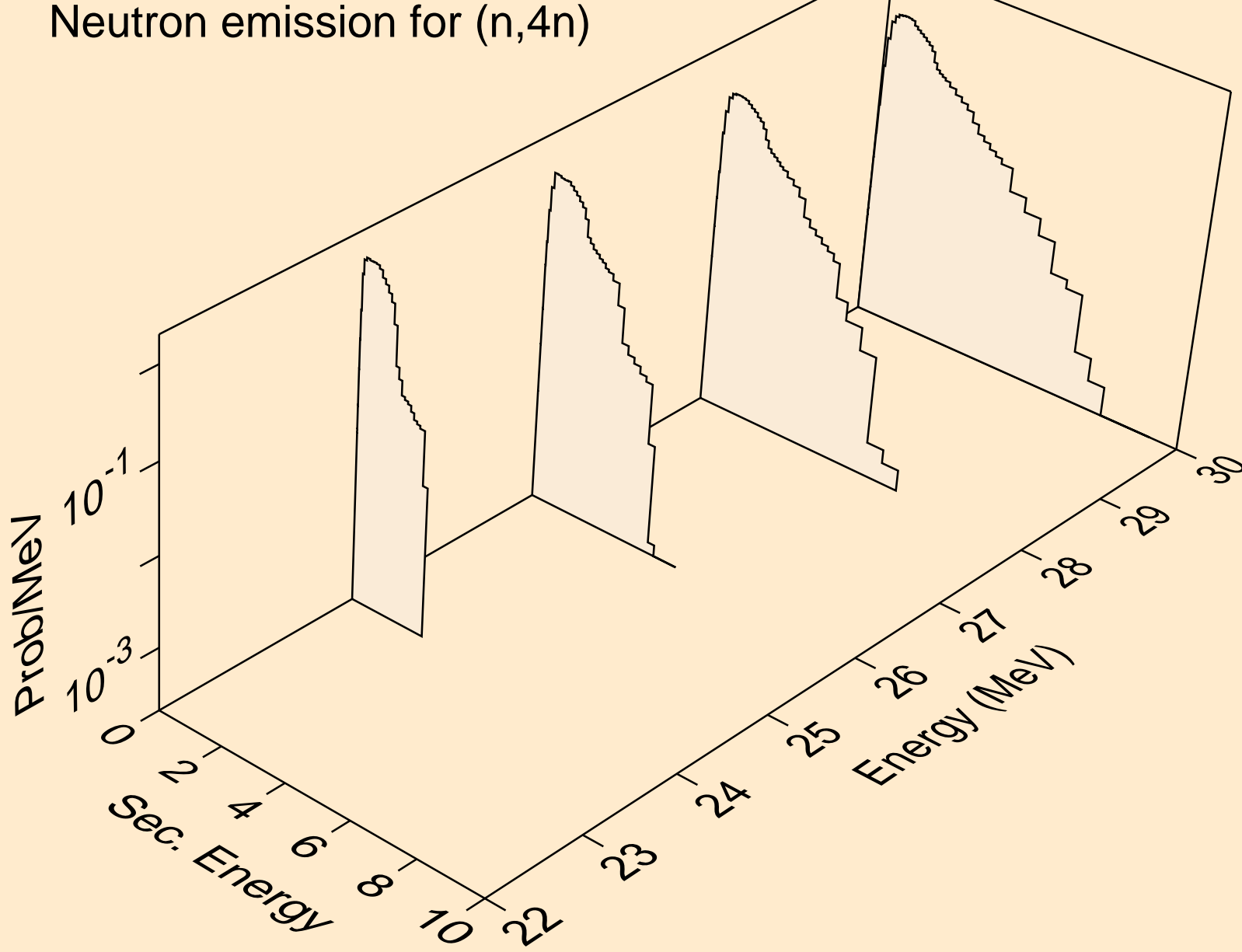
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



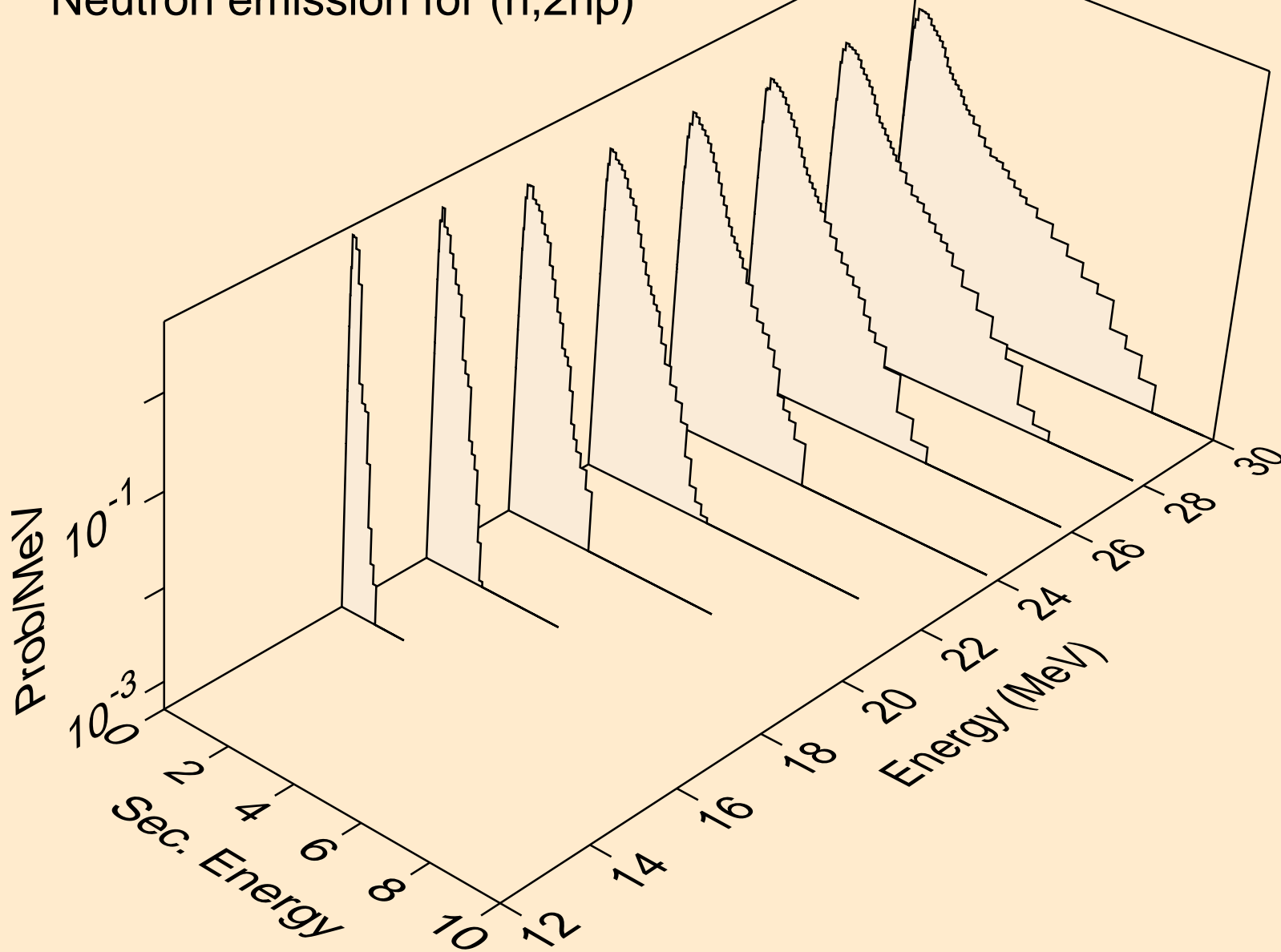
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



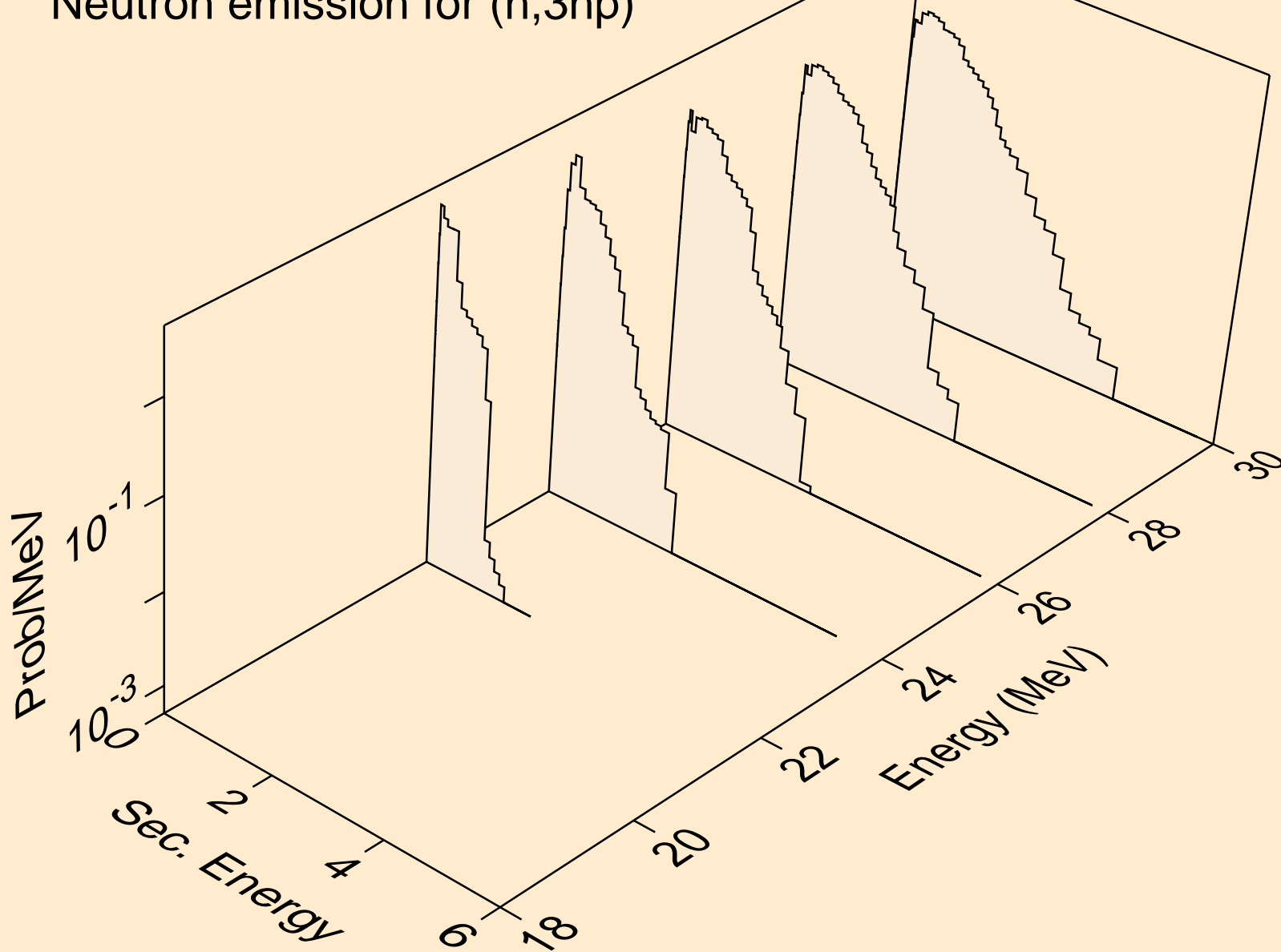
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)



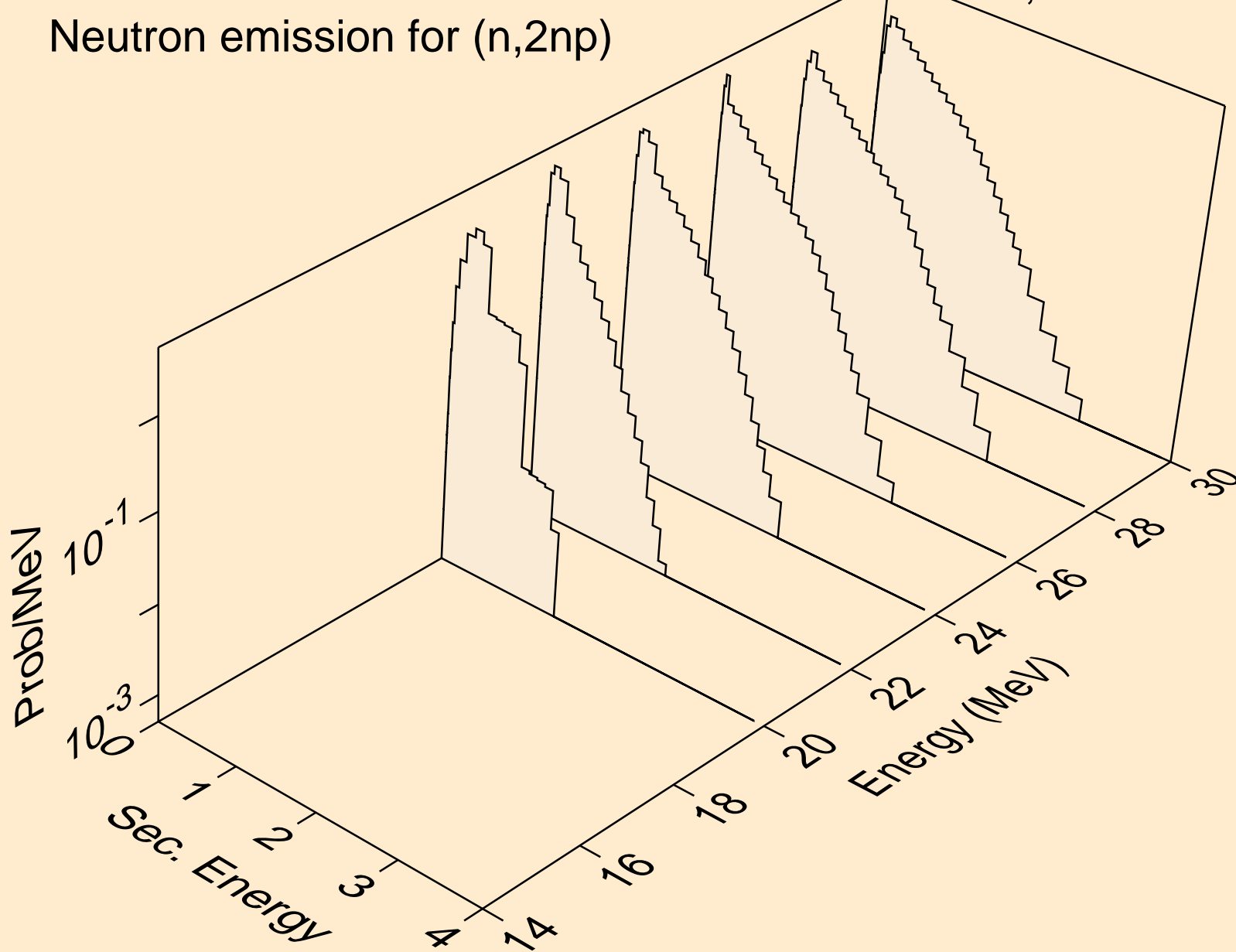
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



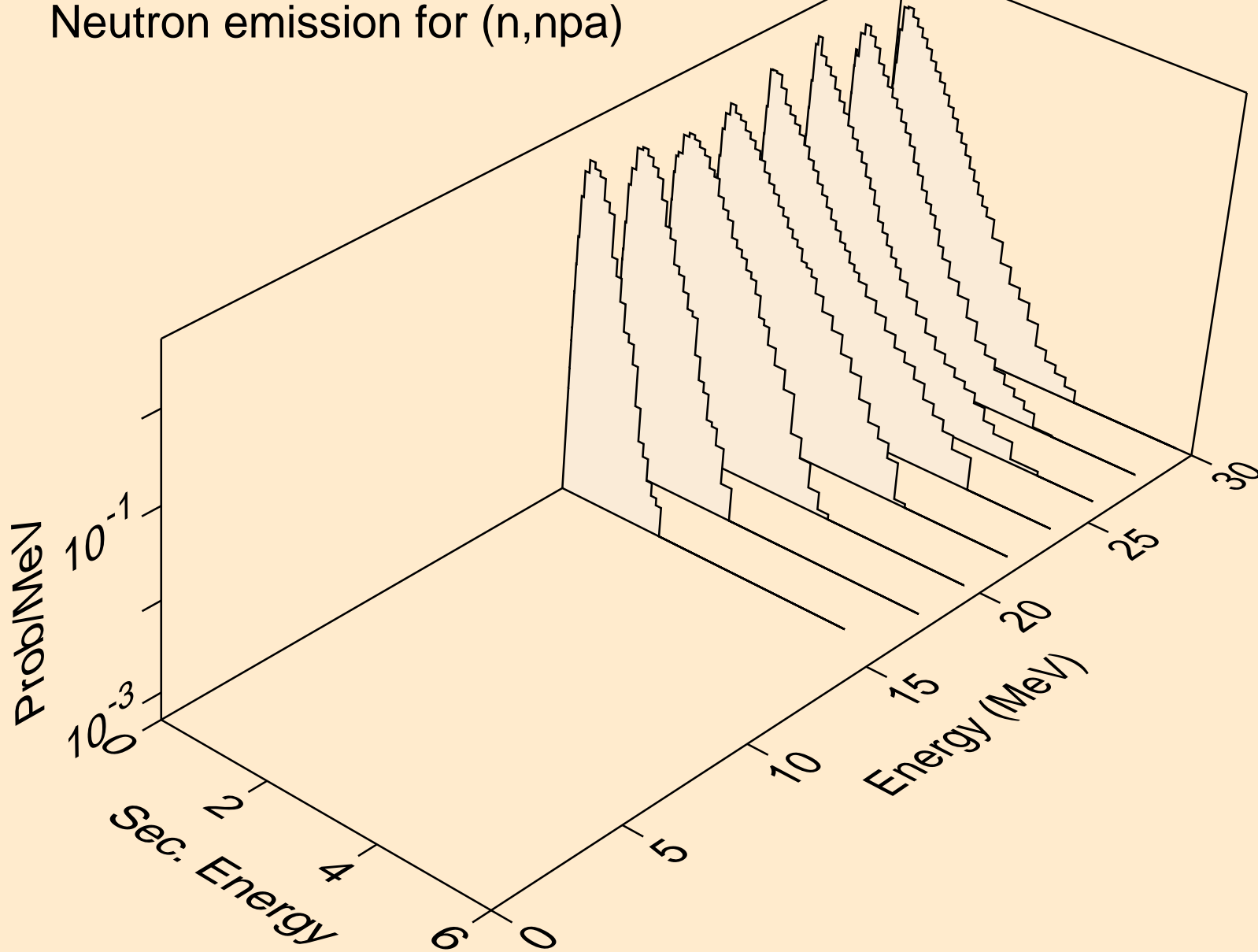
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)



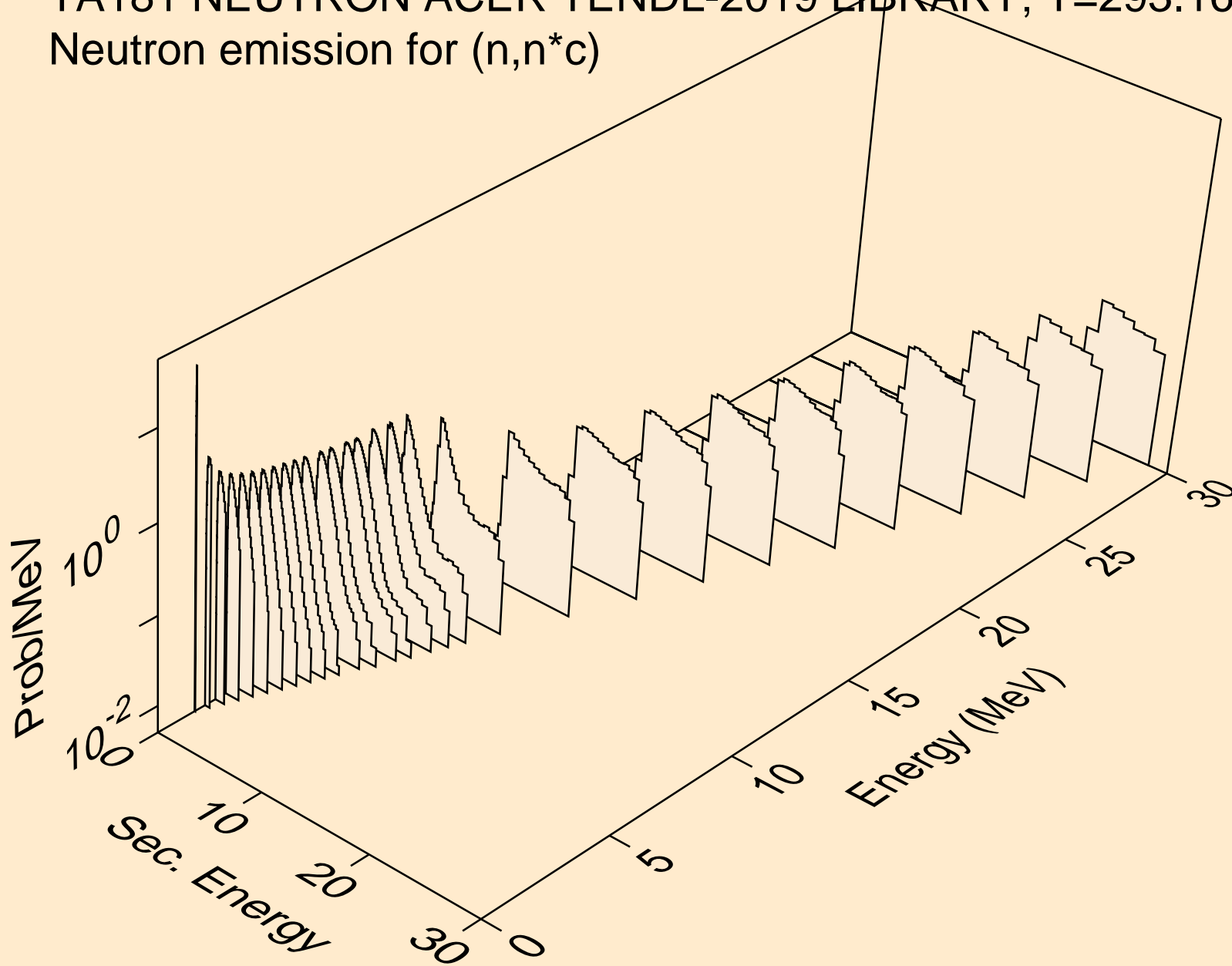
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)

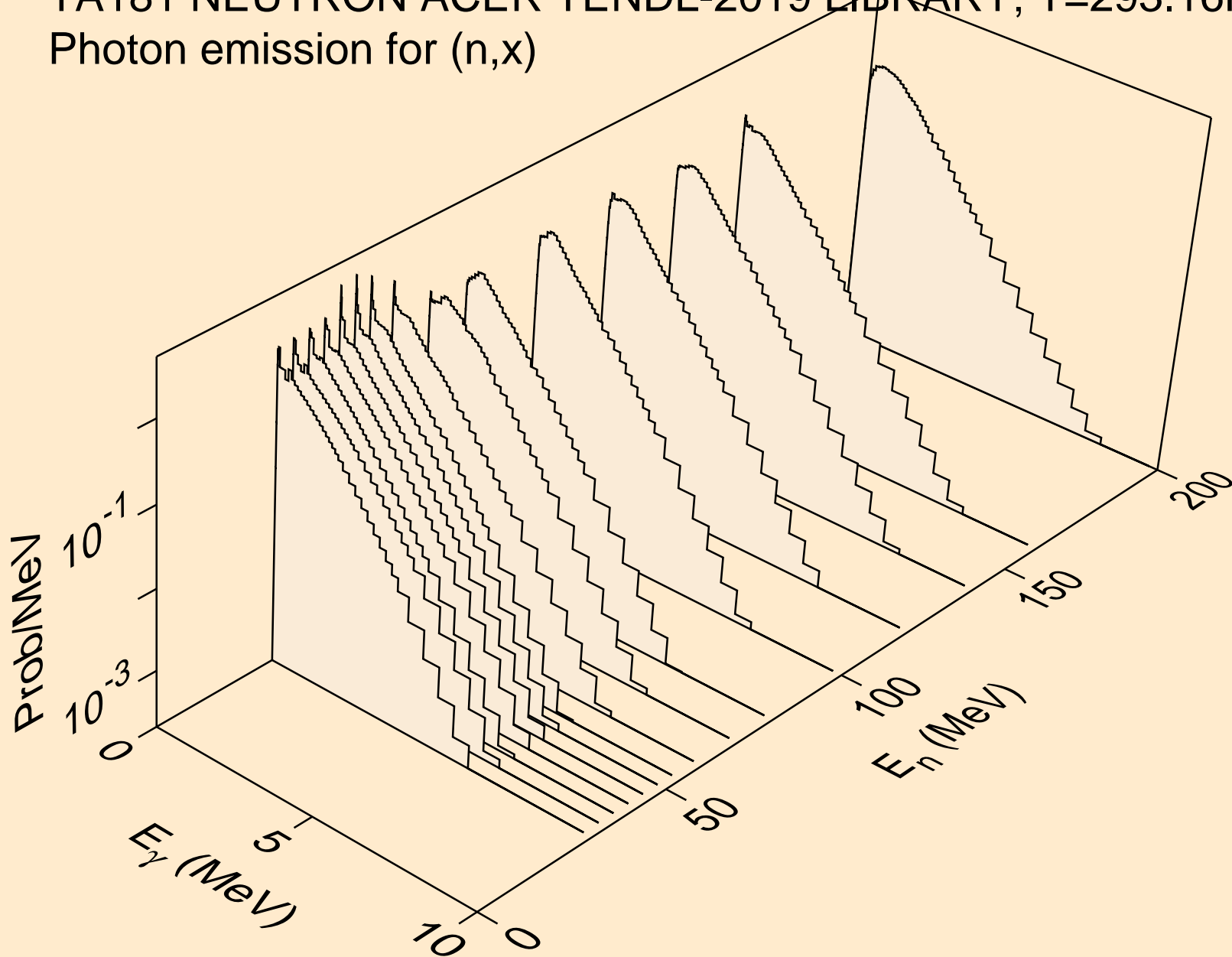


TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)

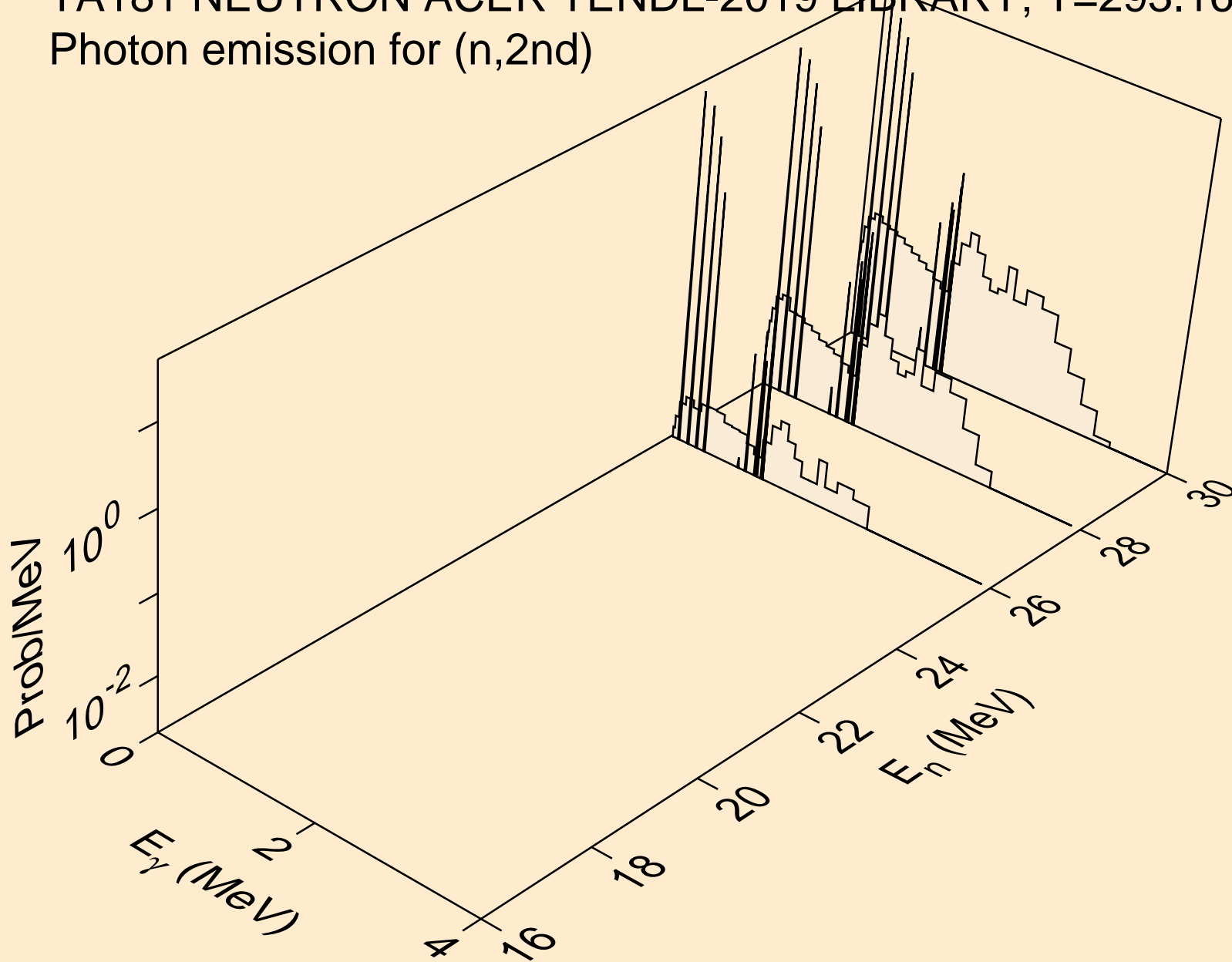




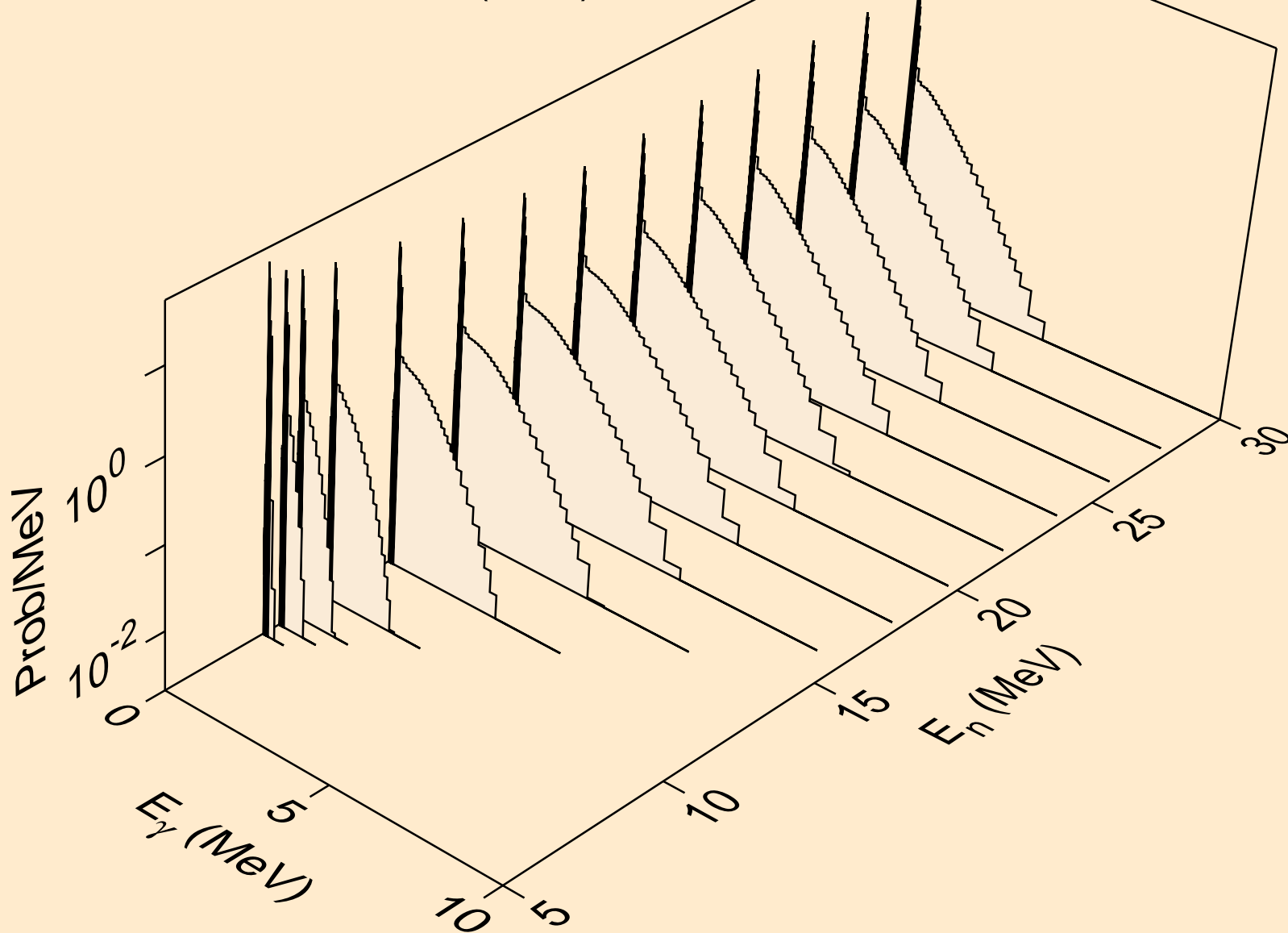
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



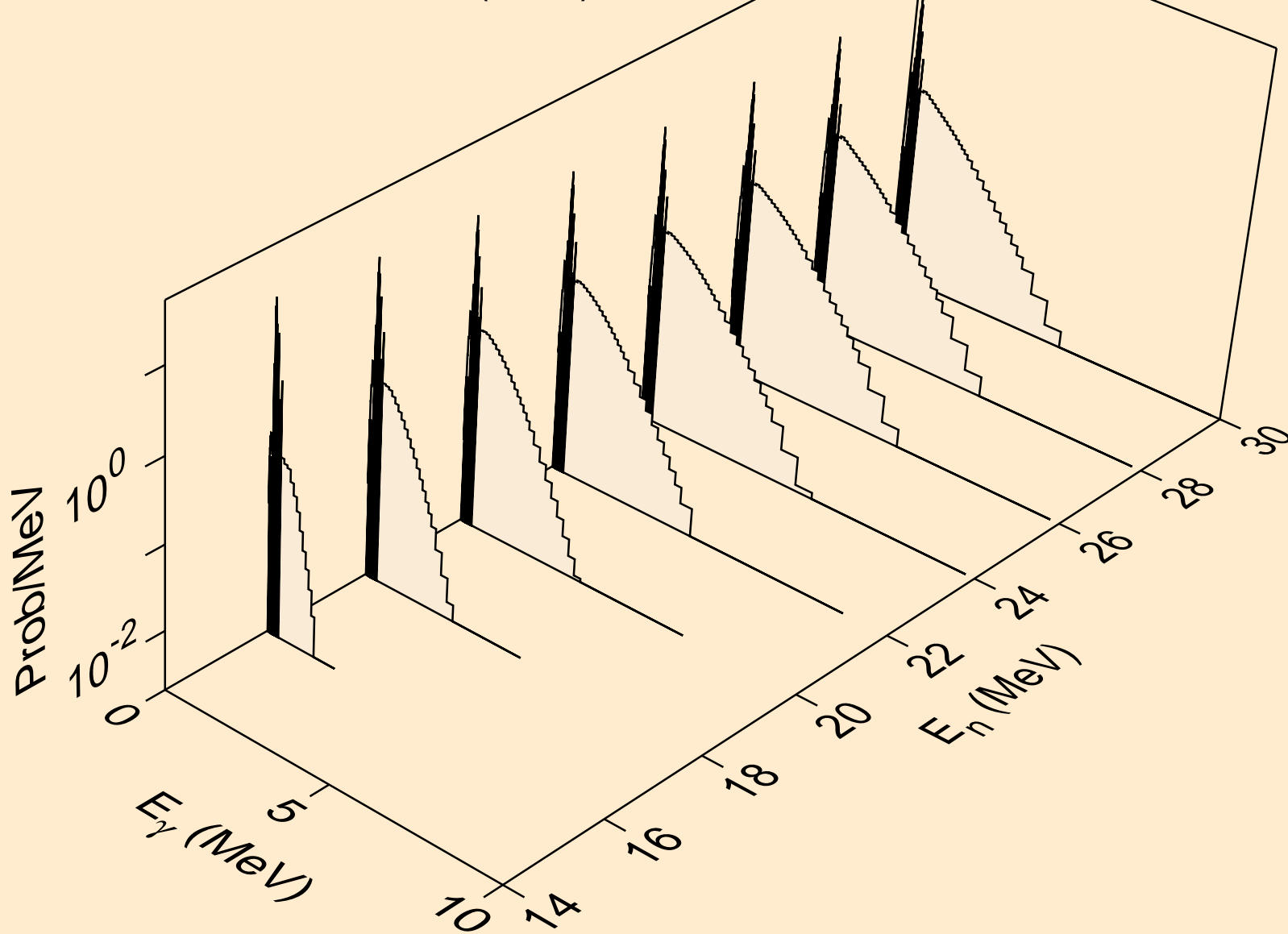
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)



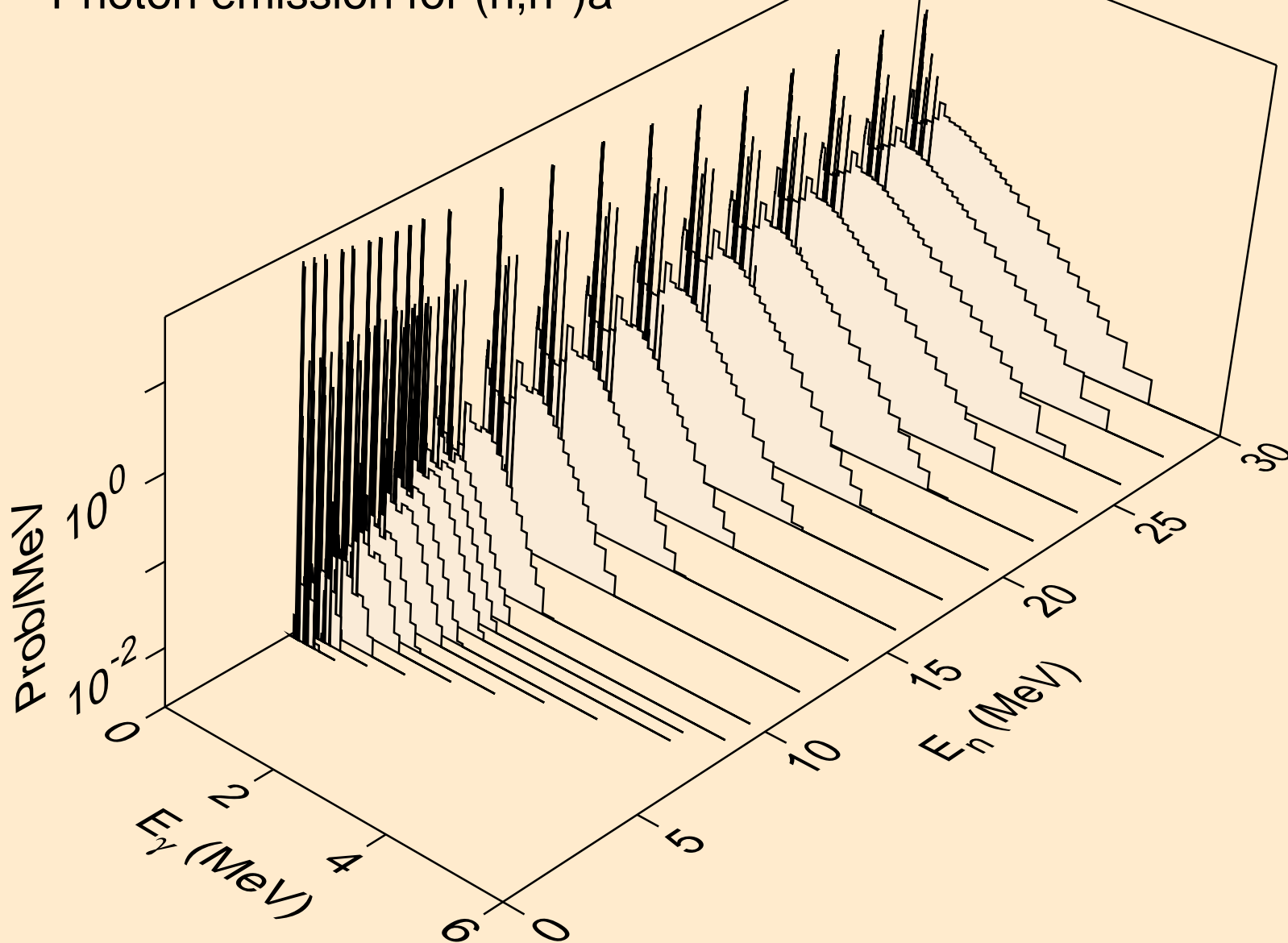
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)



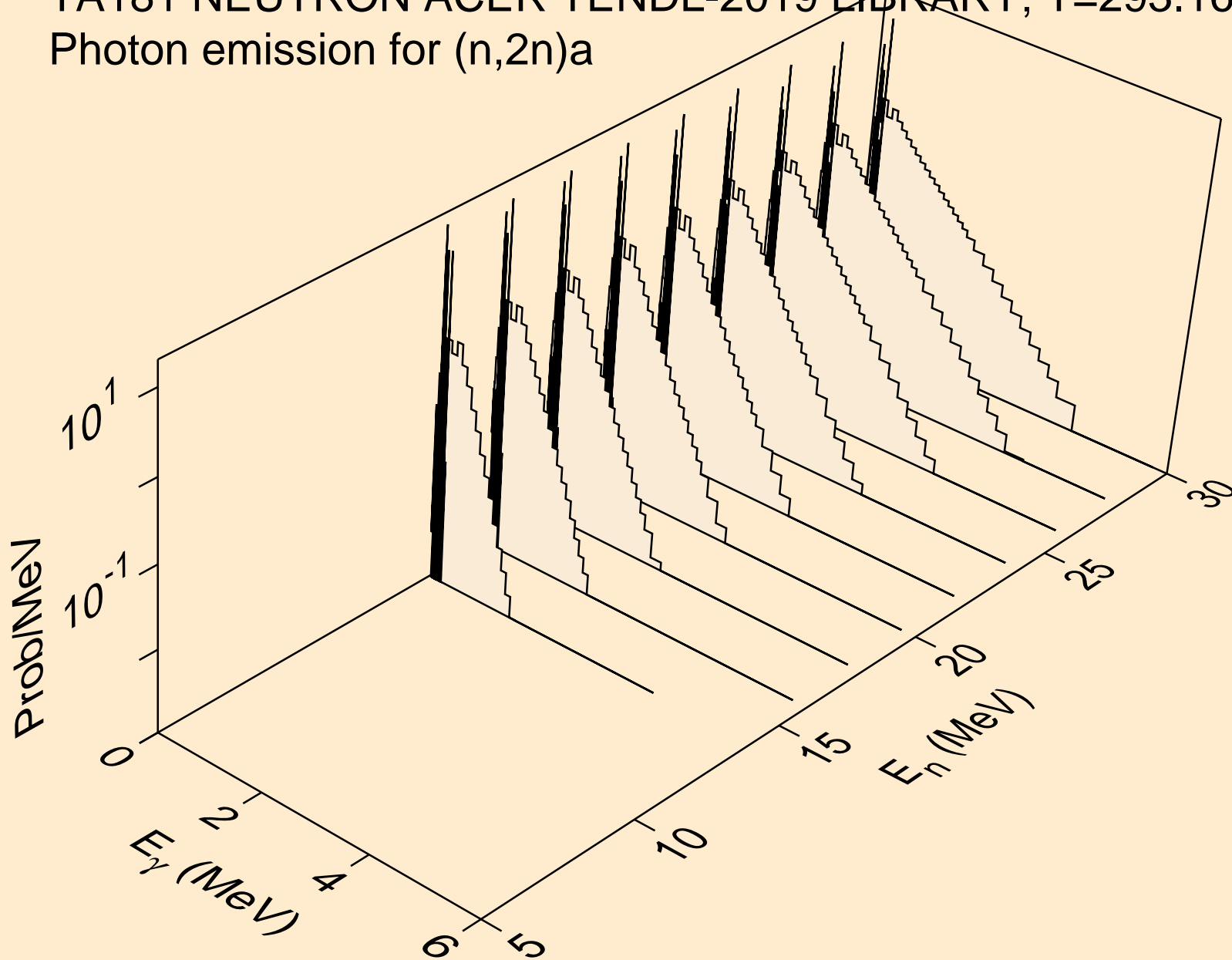
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)



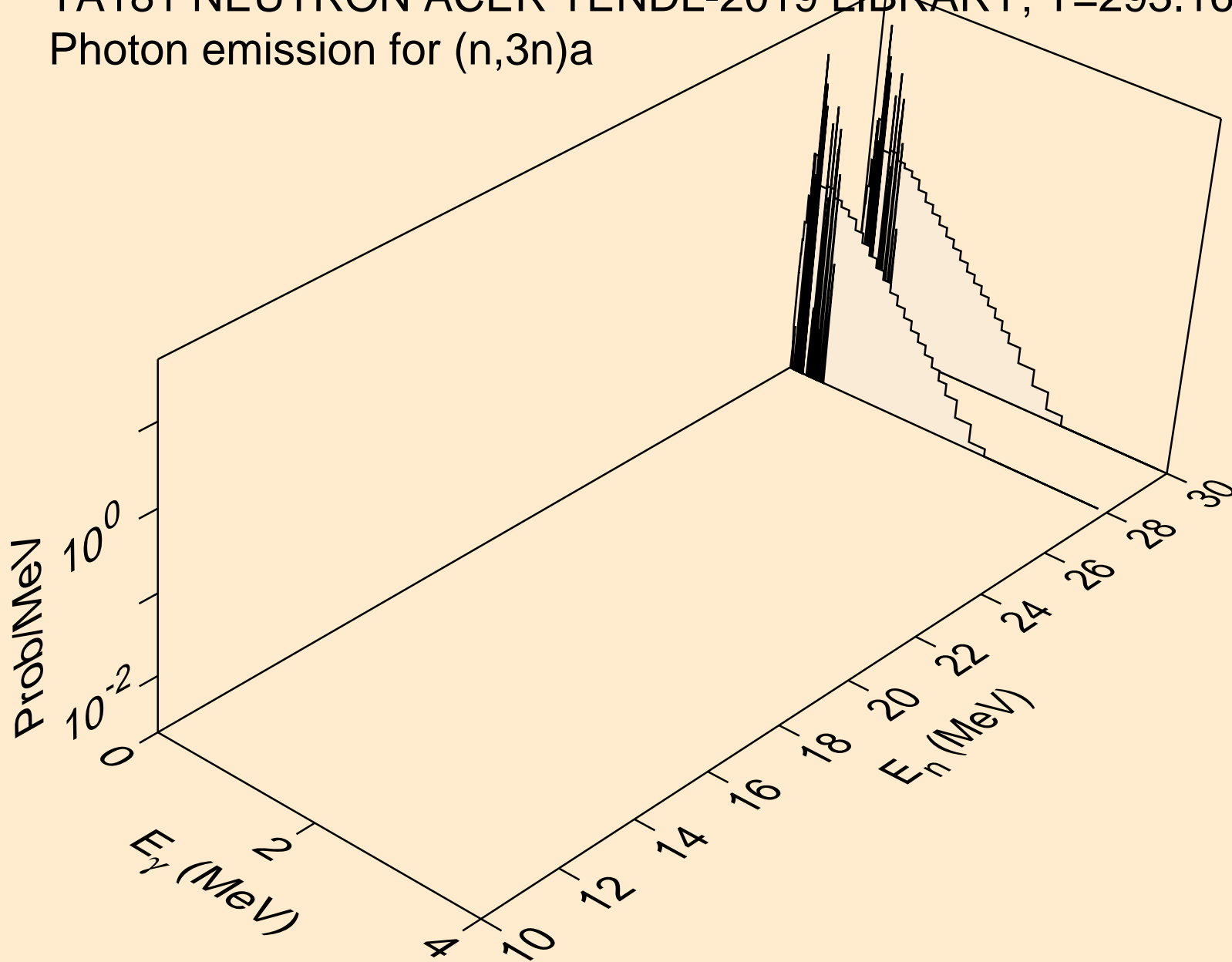
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a



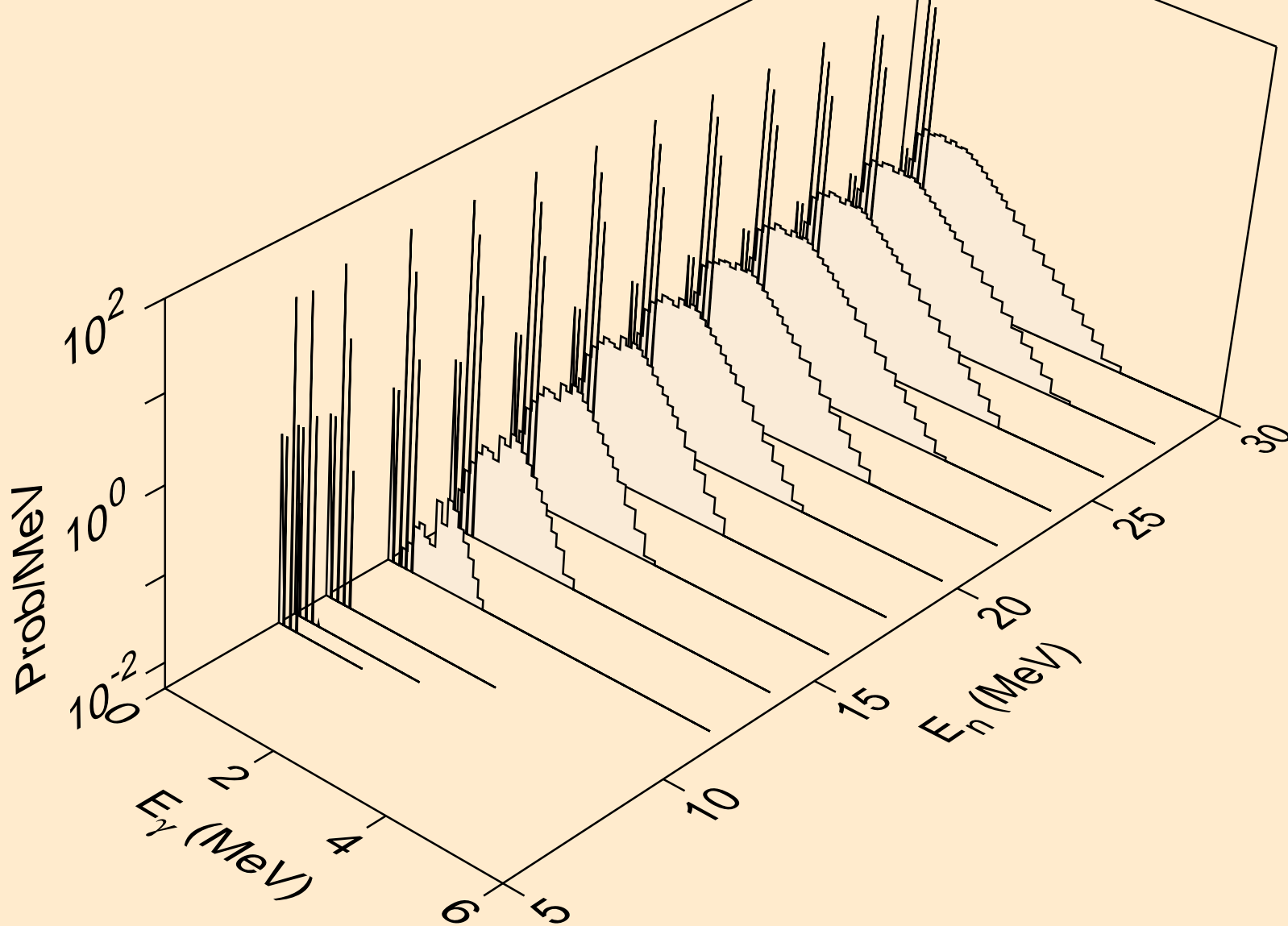
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a



TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a

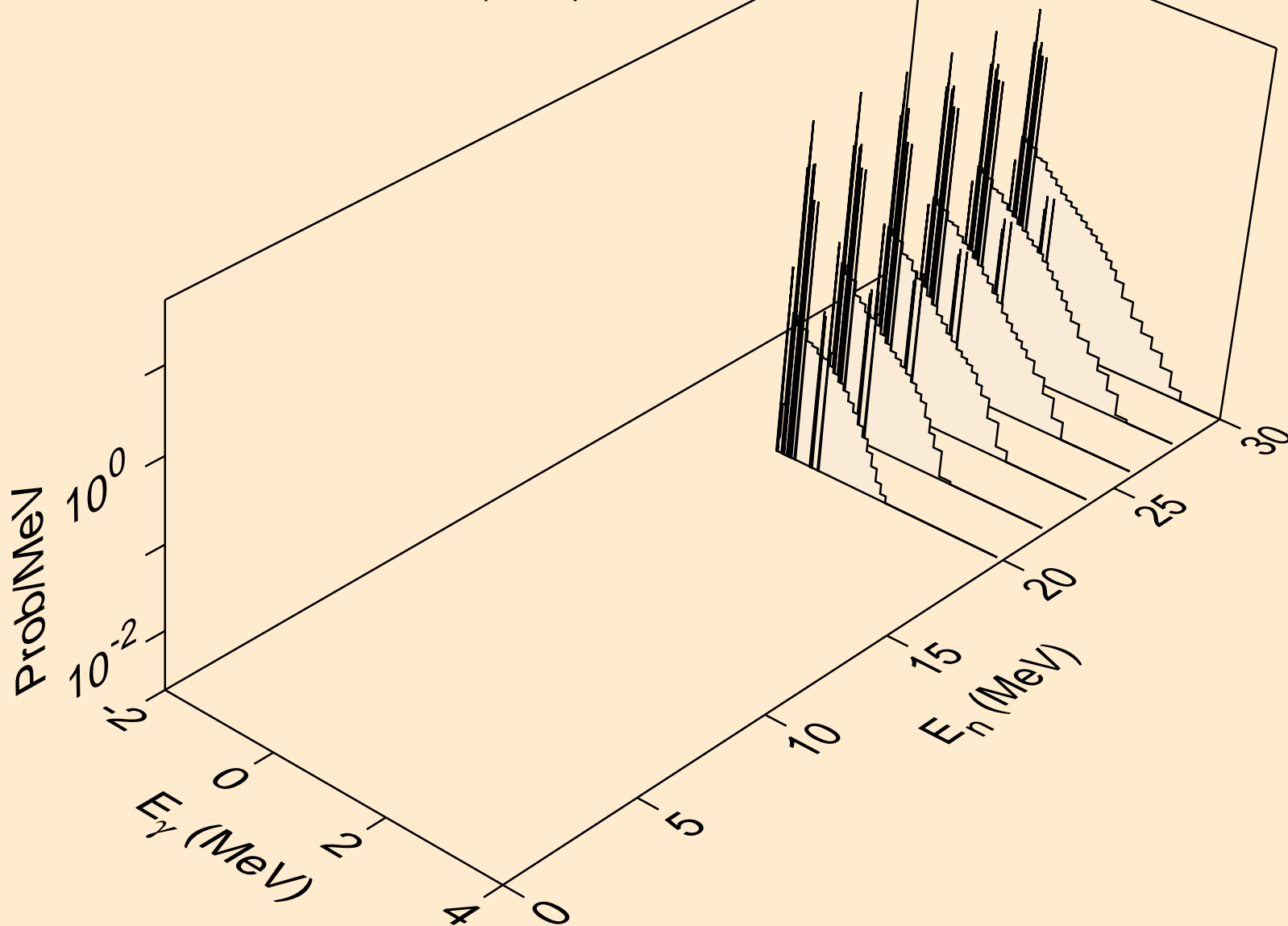


TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p

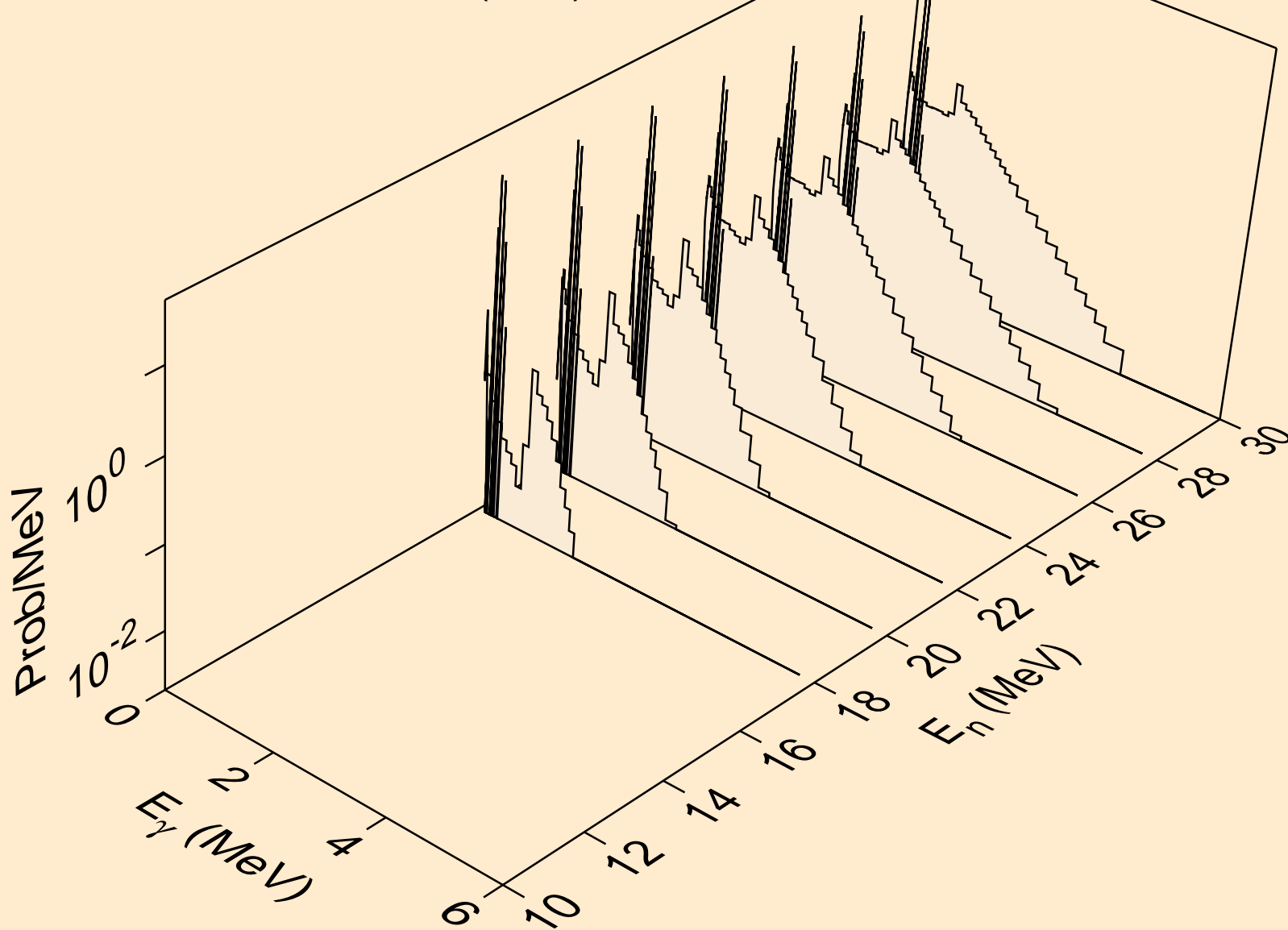




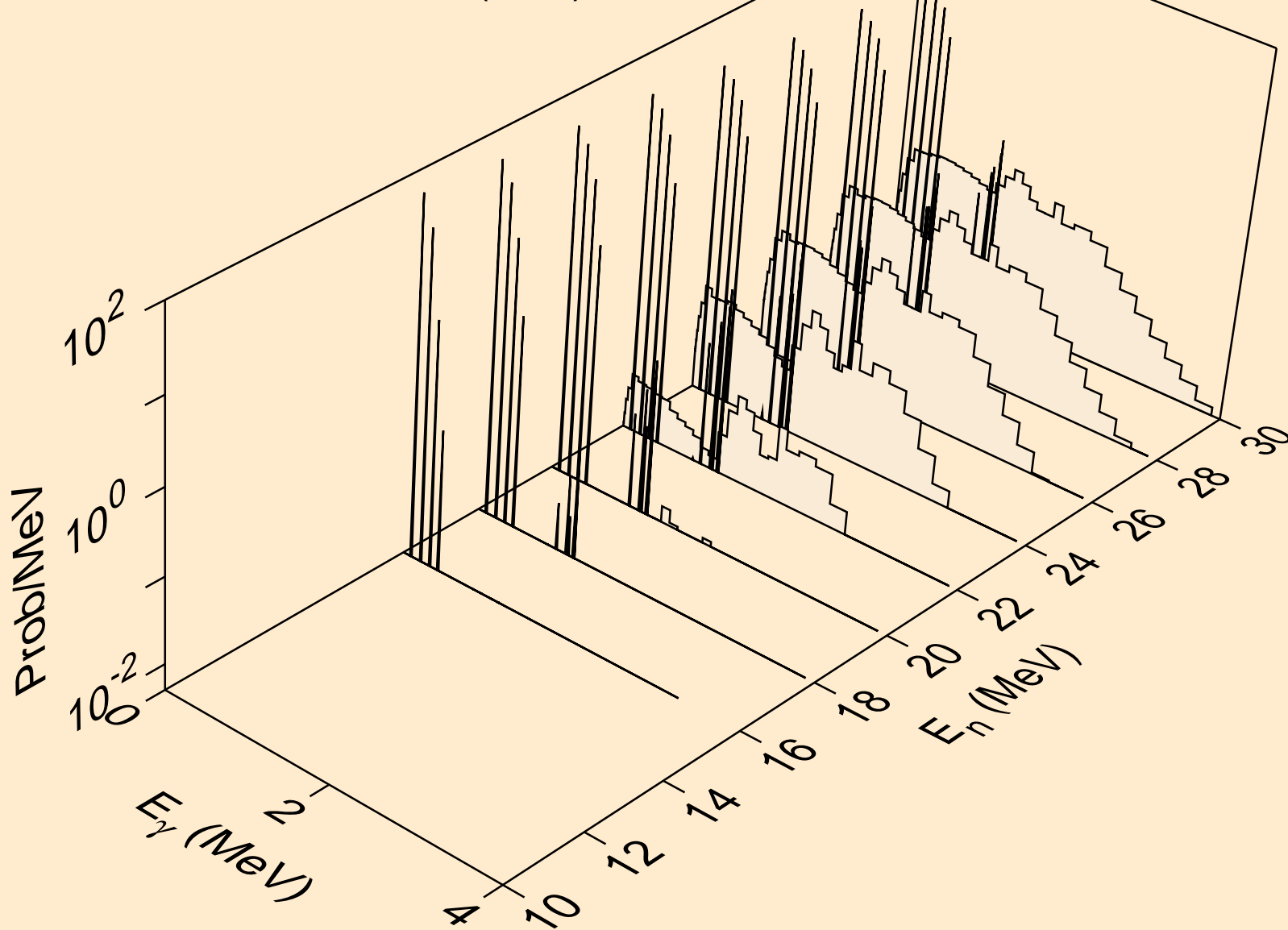
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)2a



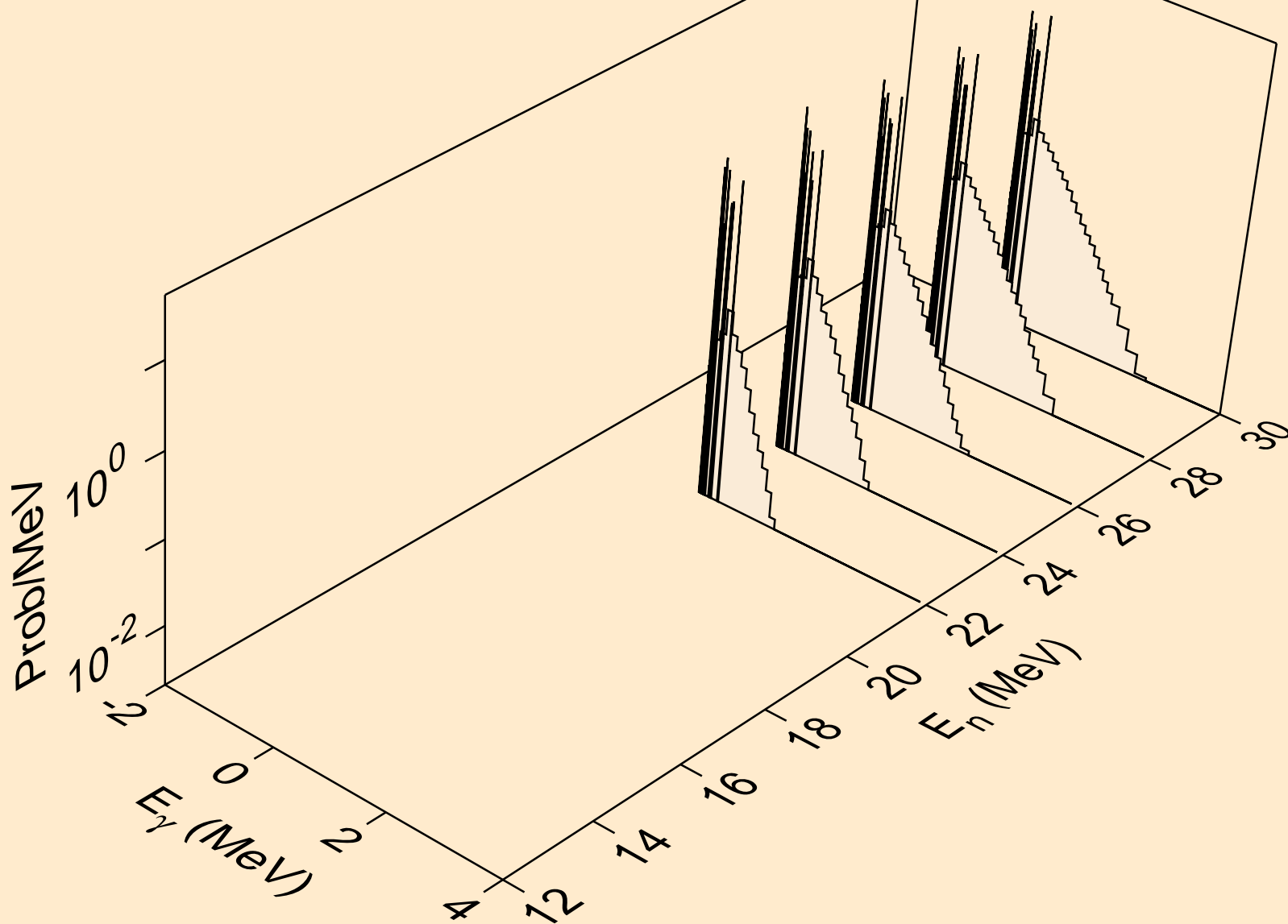
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d



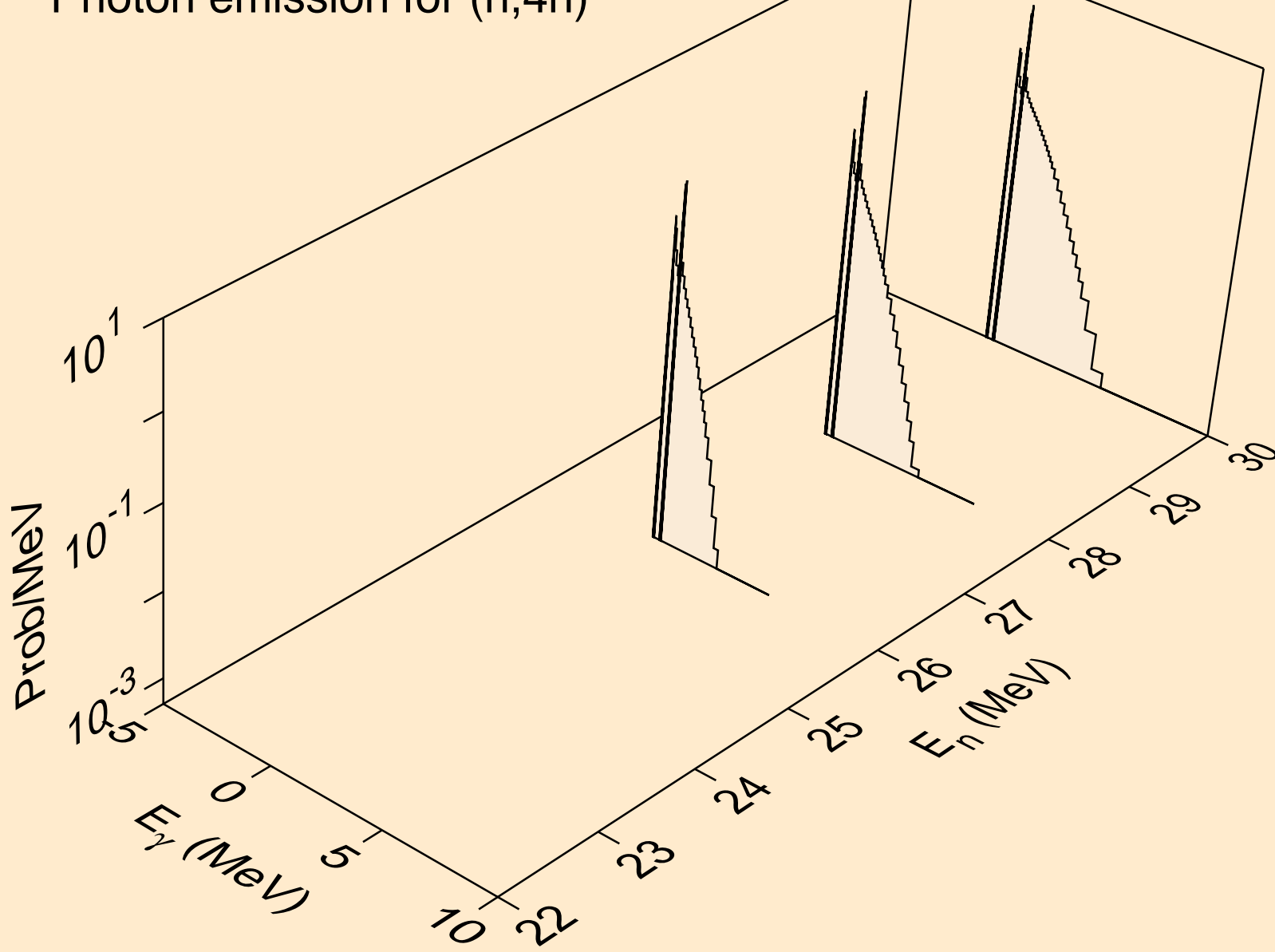
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t



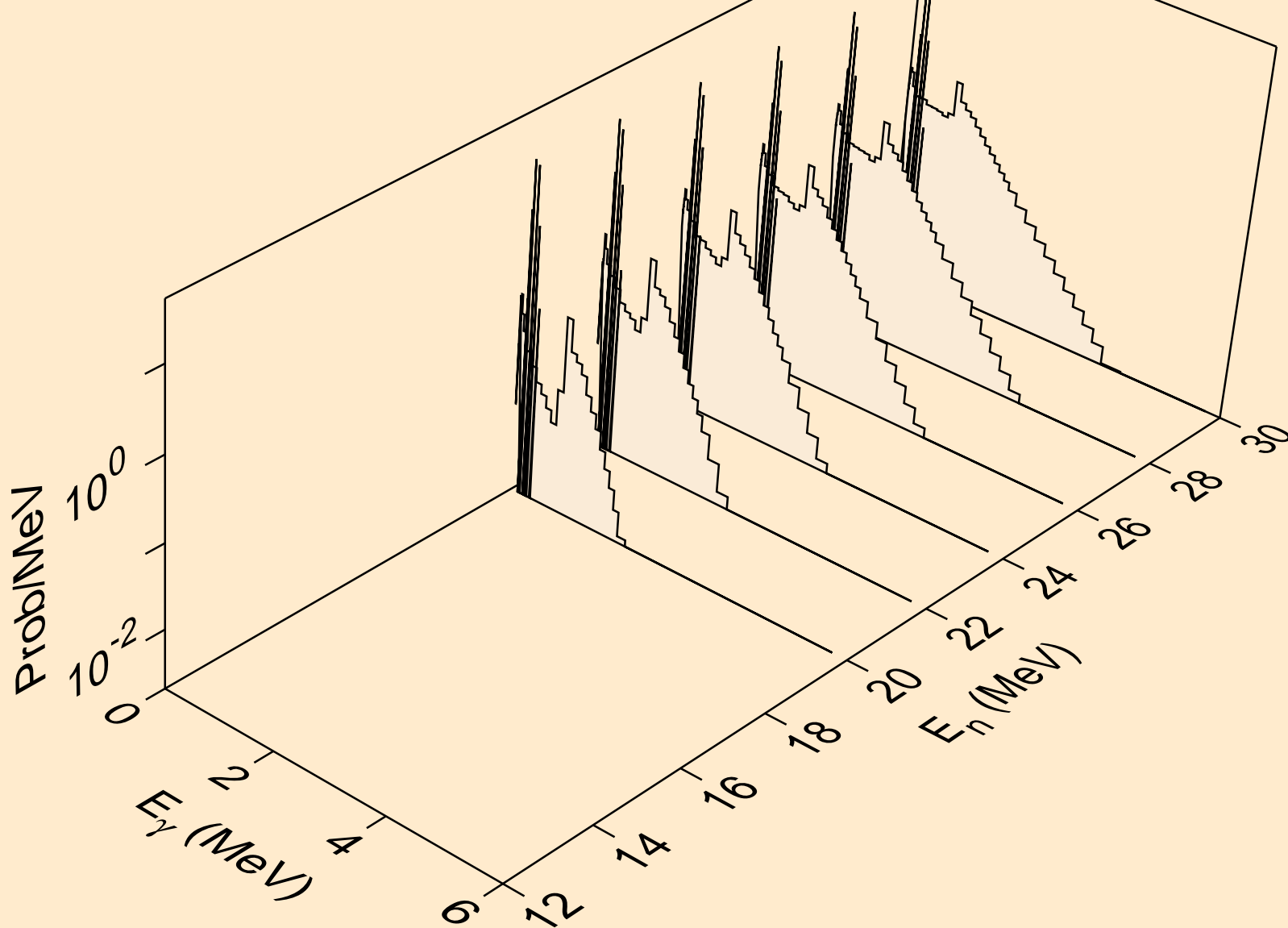
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3



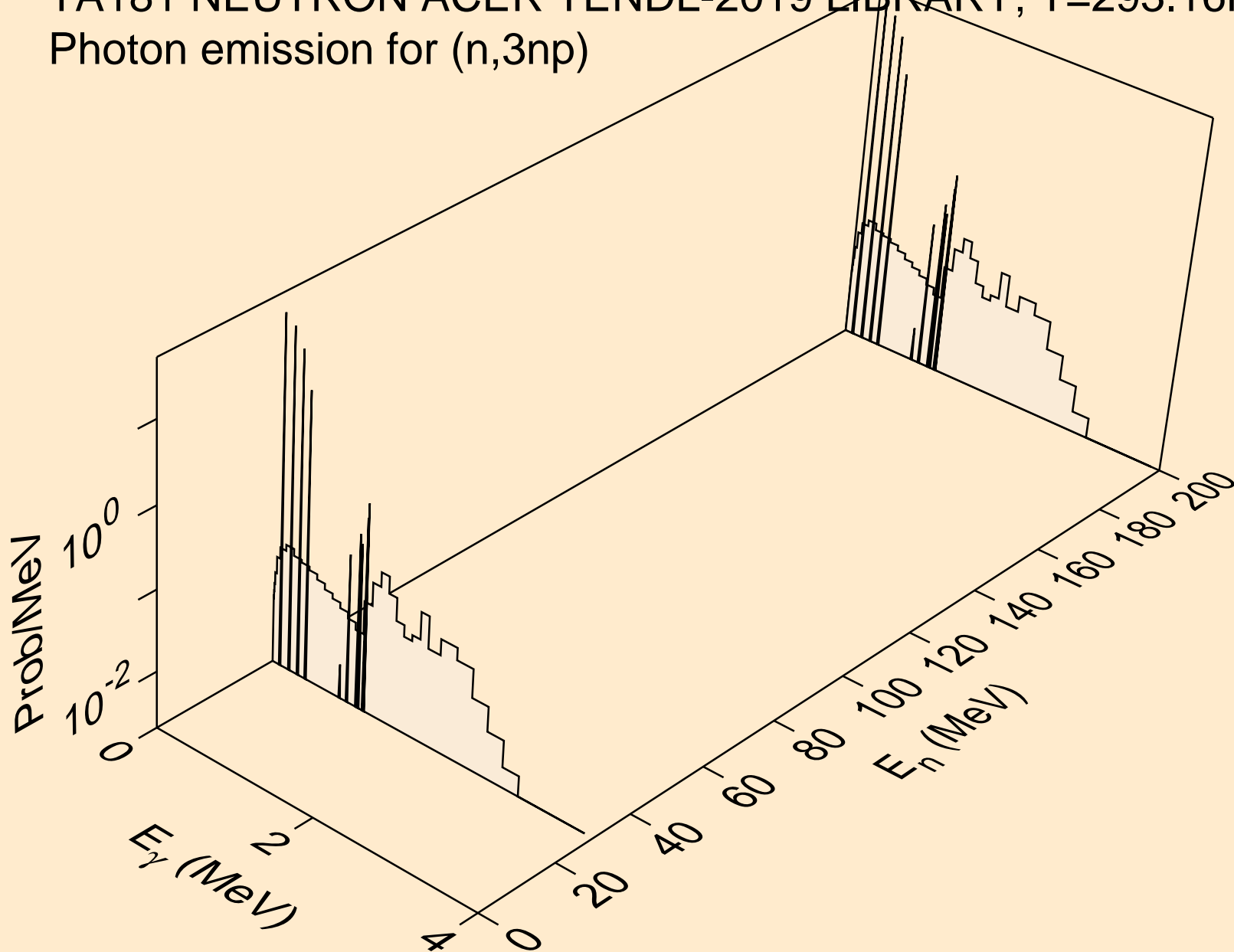
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)



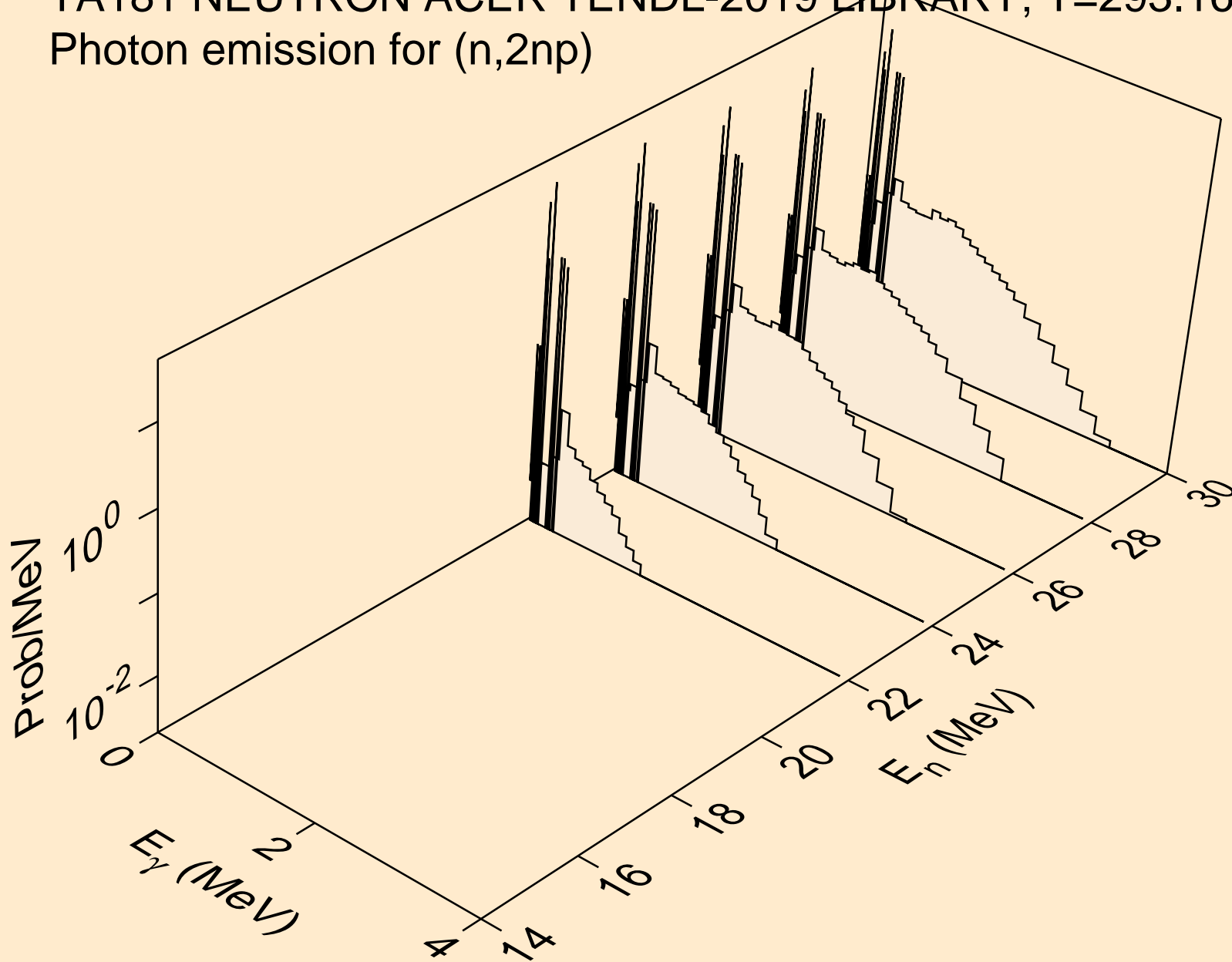
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)

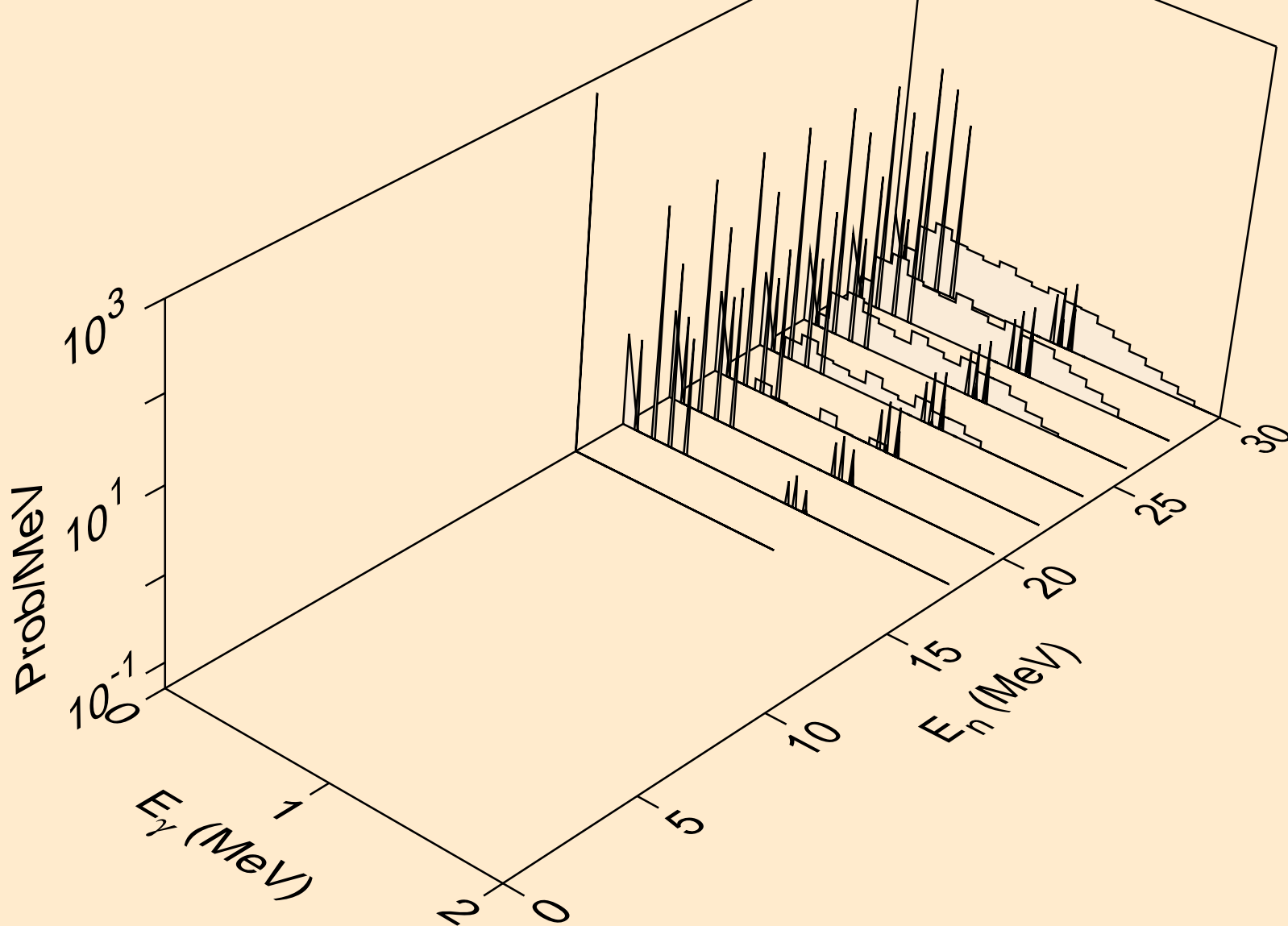


TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)

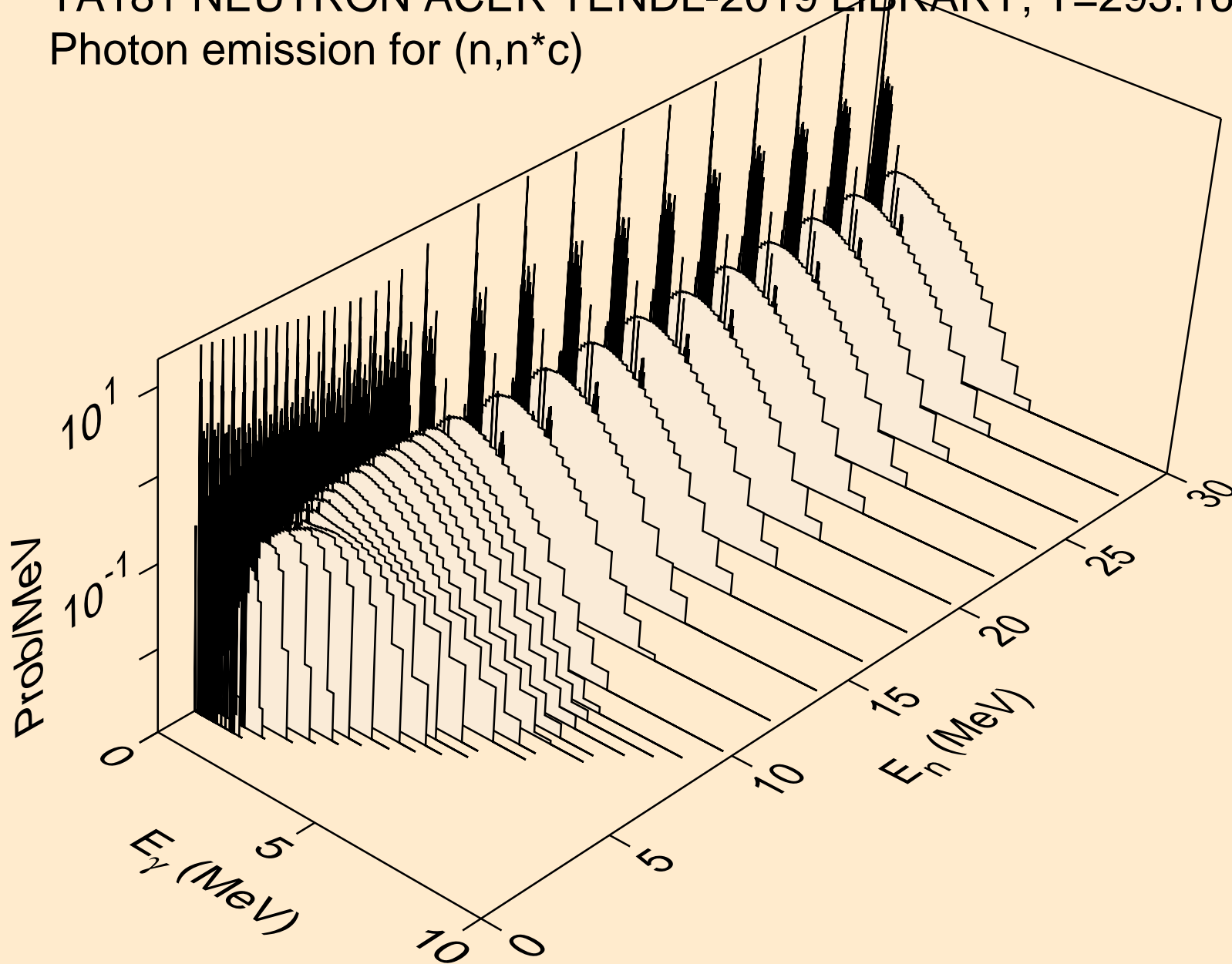




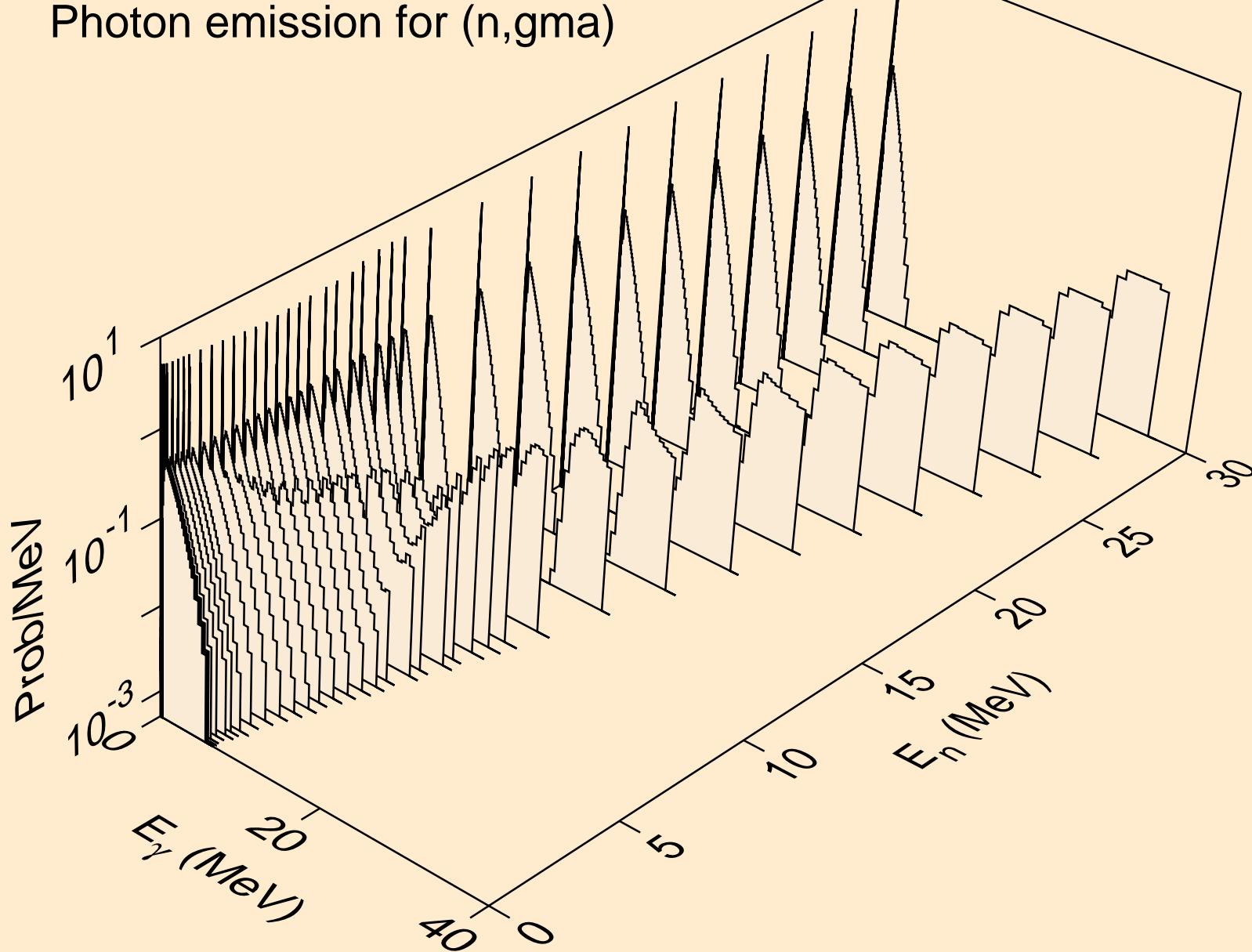
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)



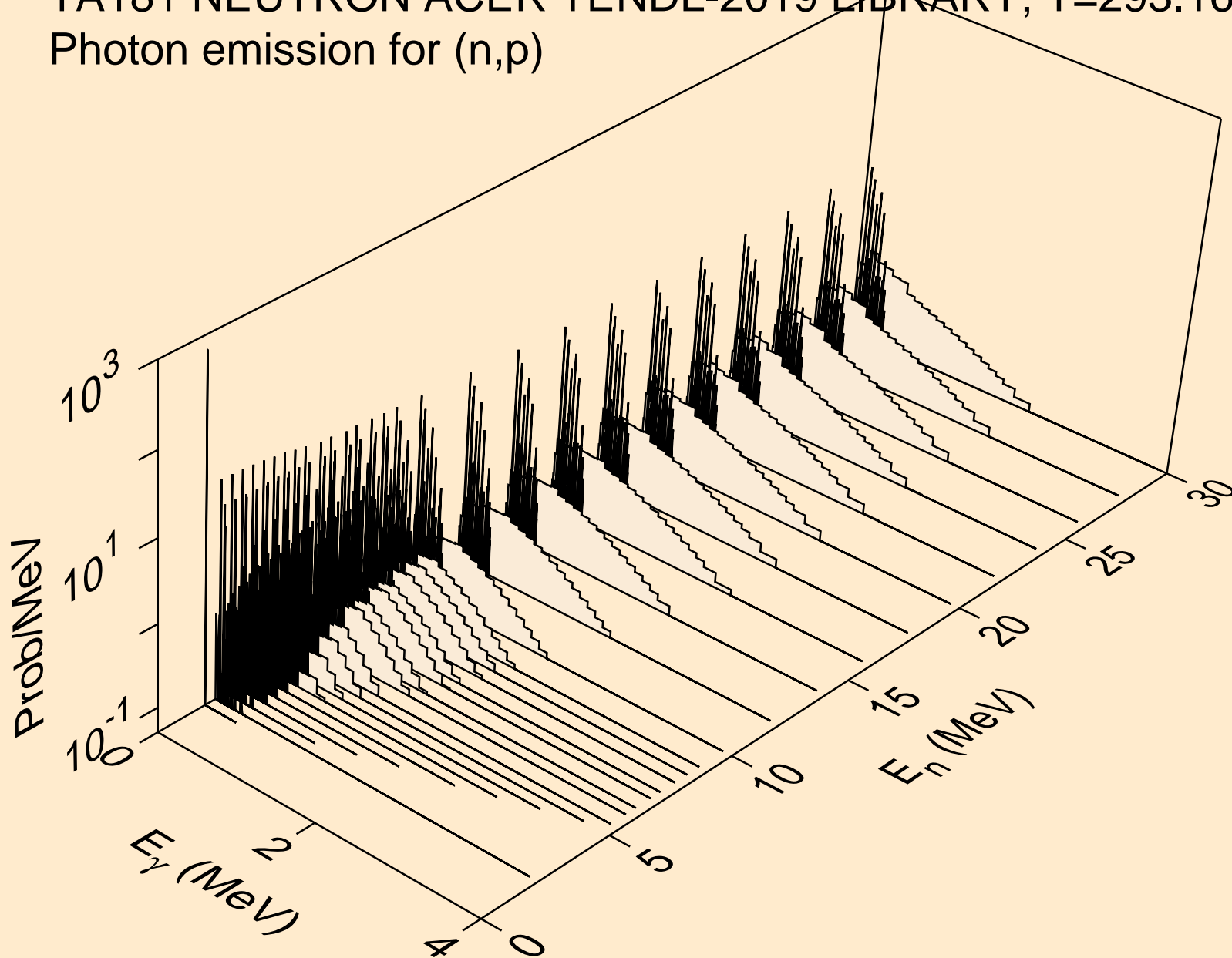
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



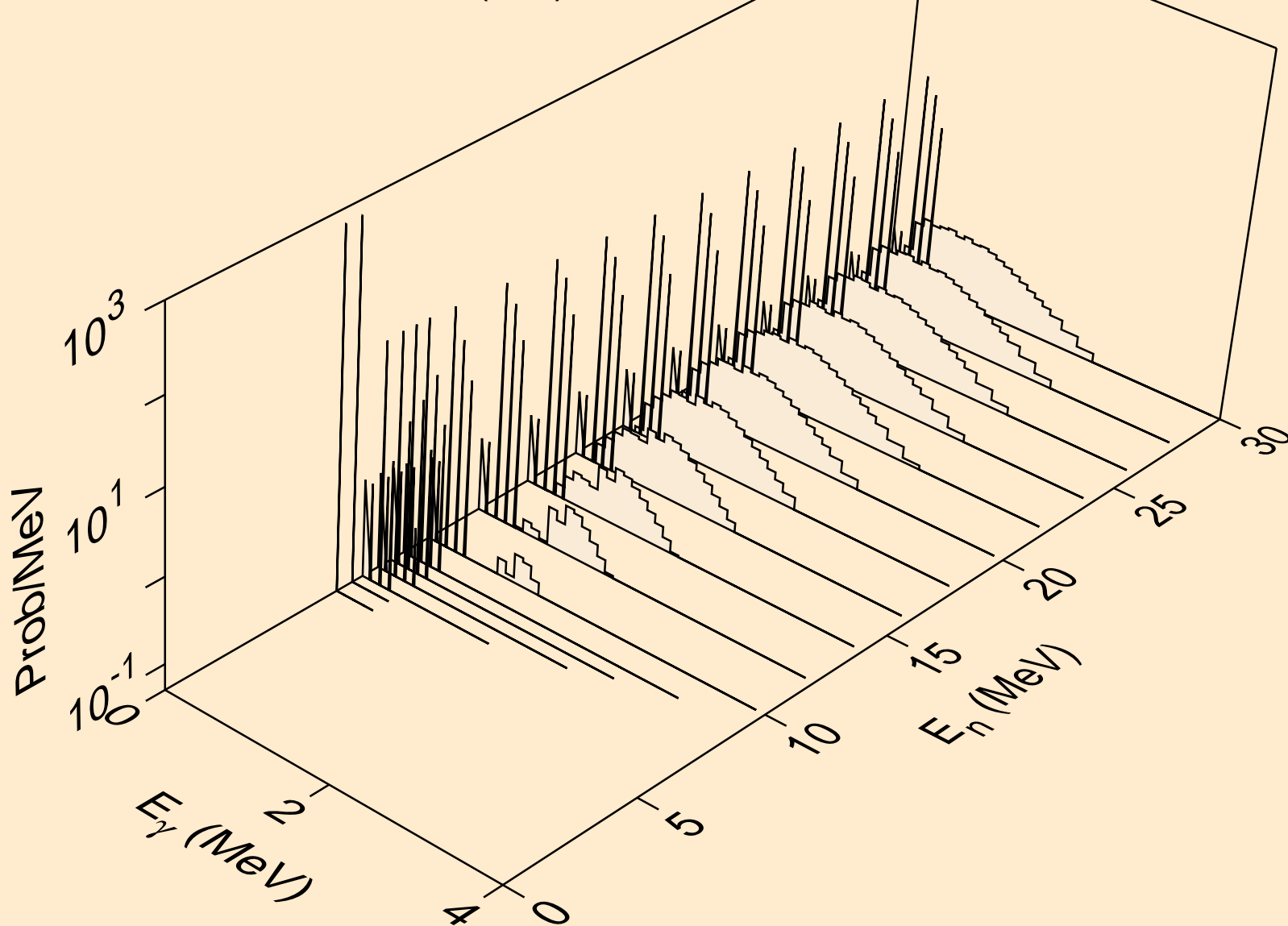
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)



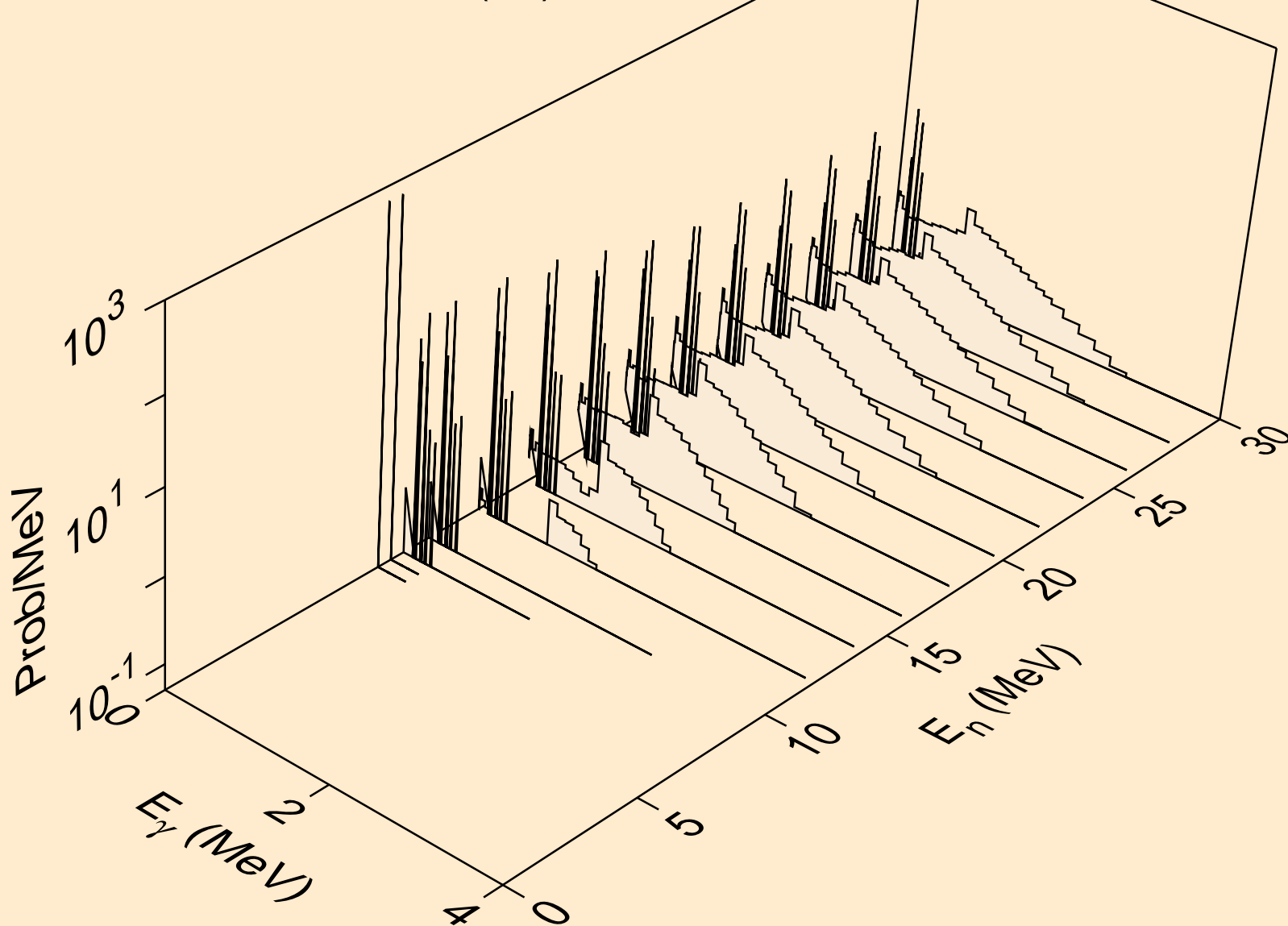
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



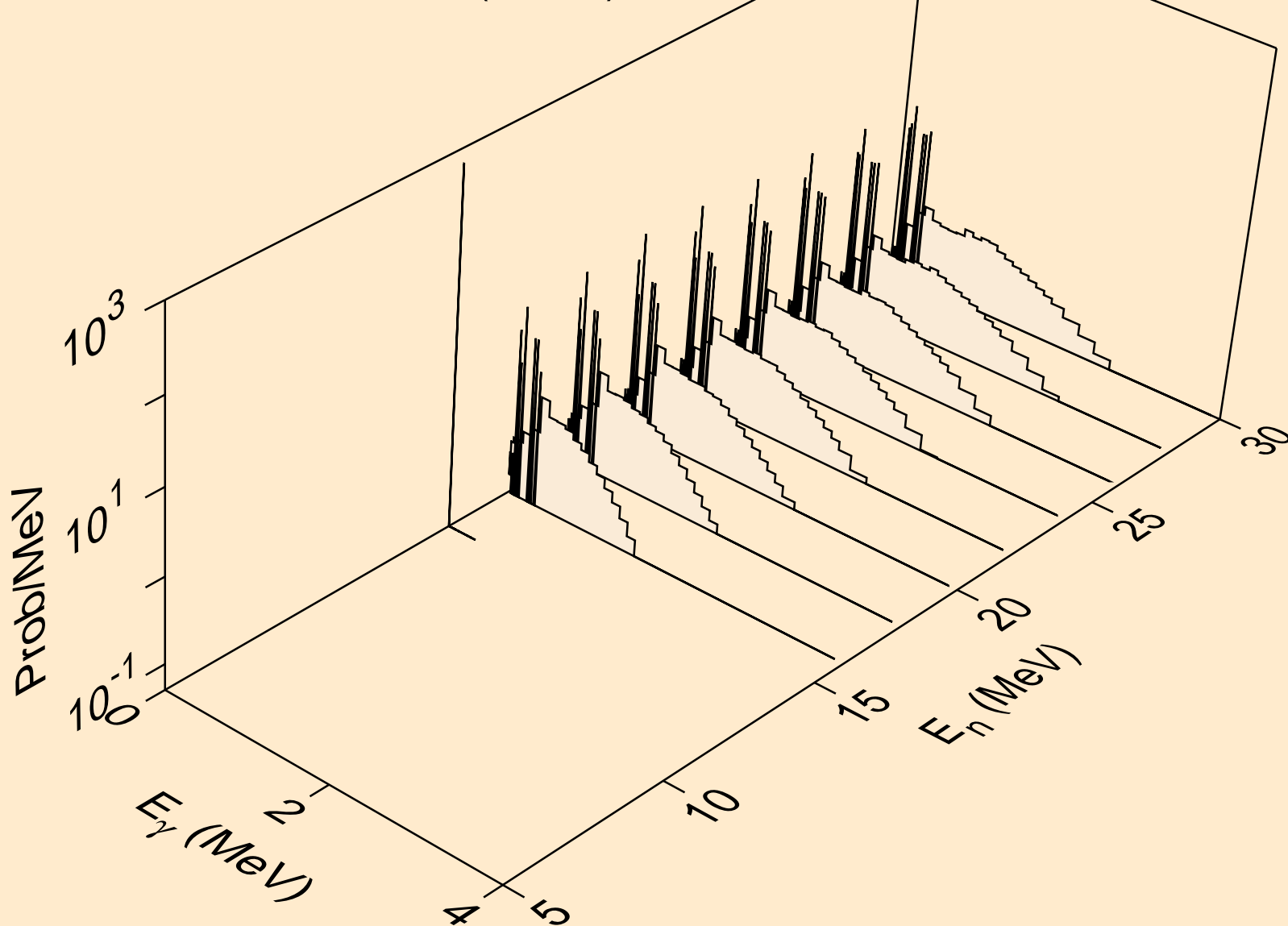
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)



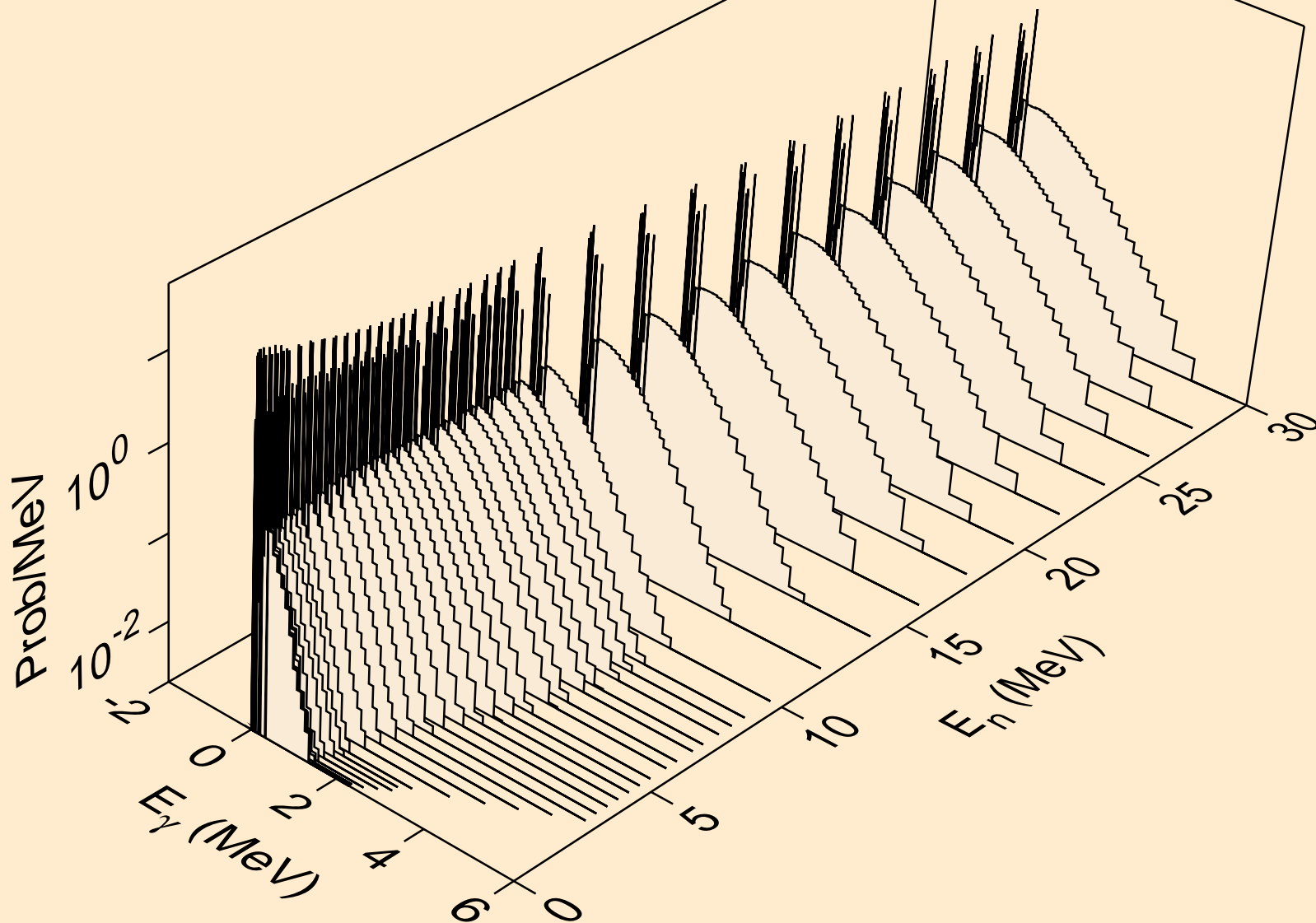
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)

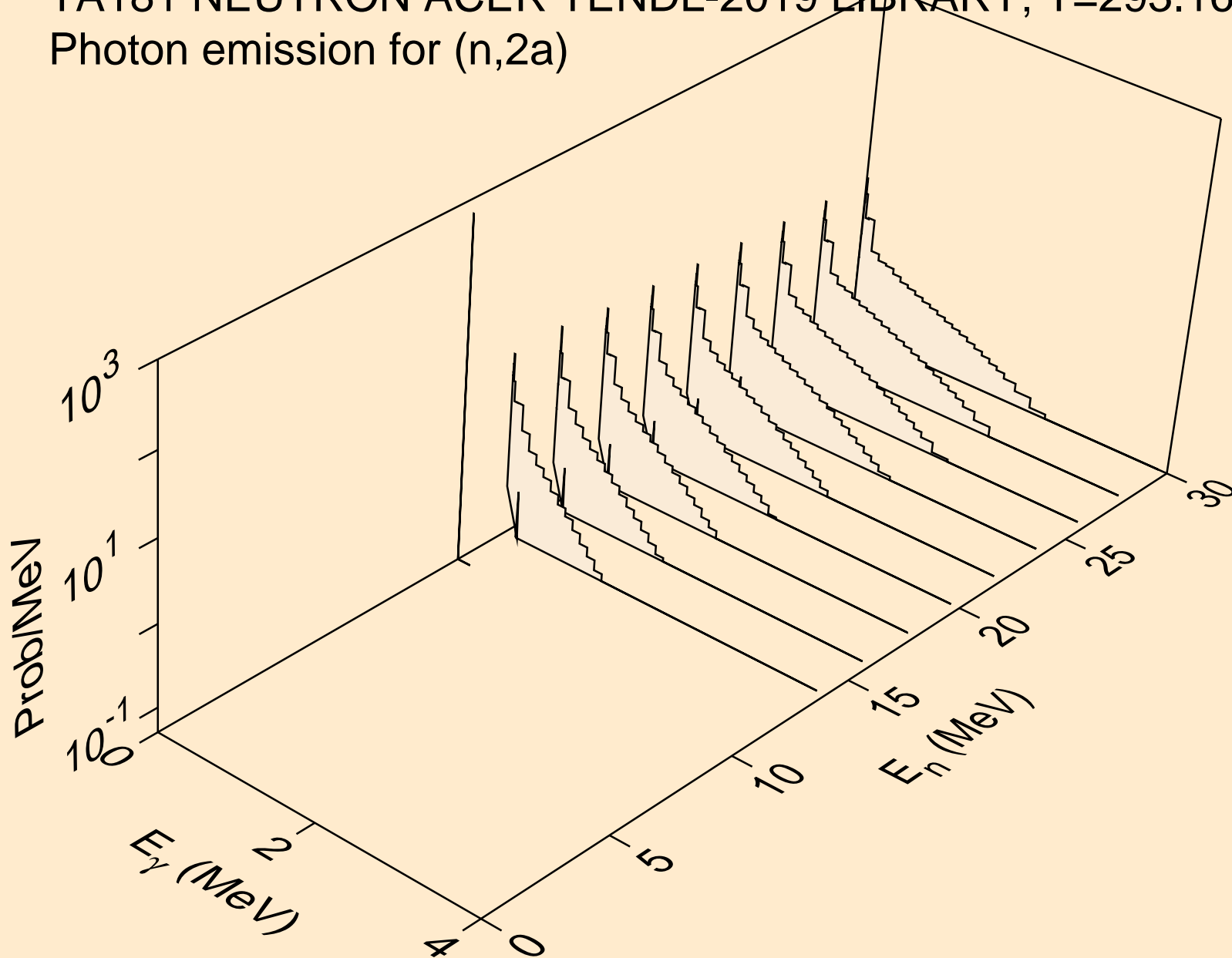


TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)

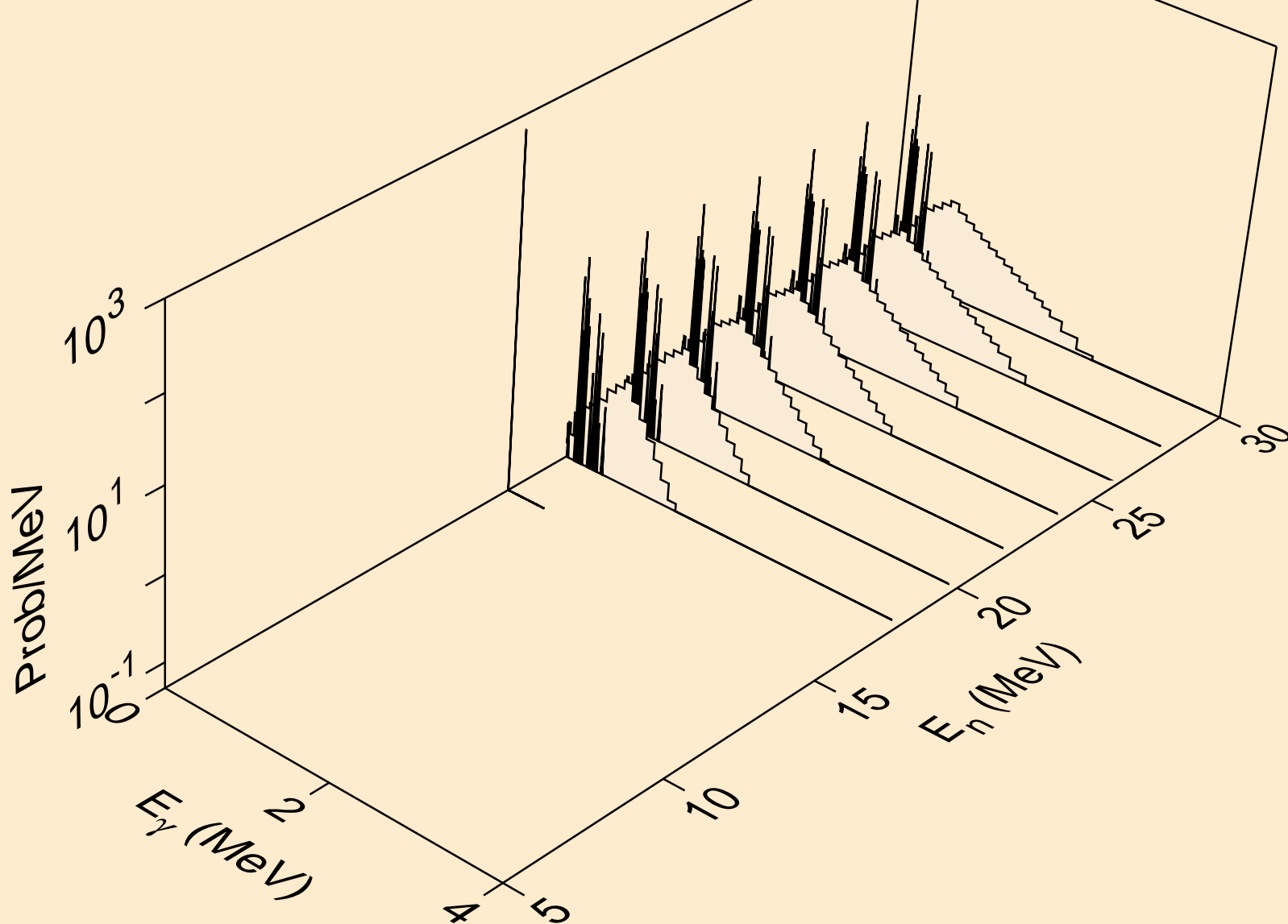




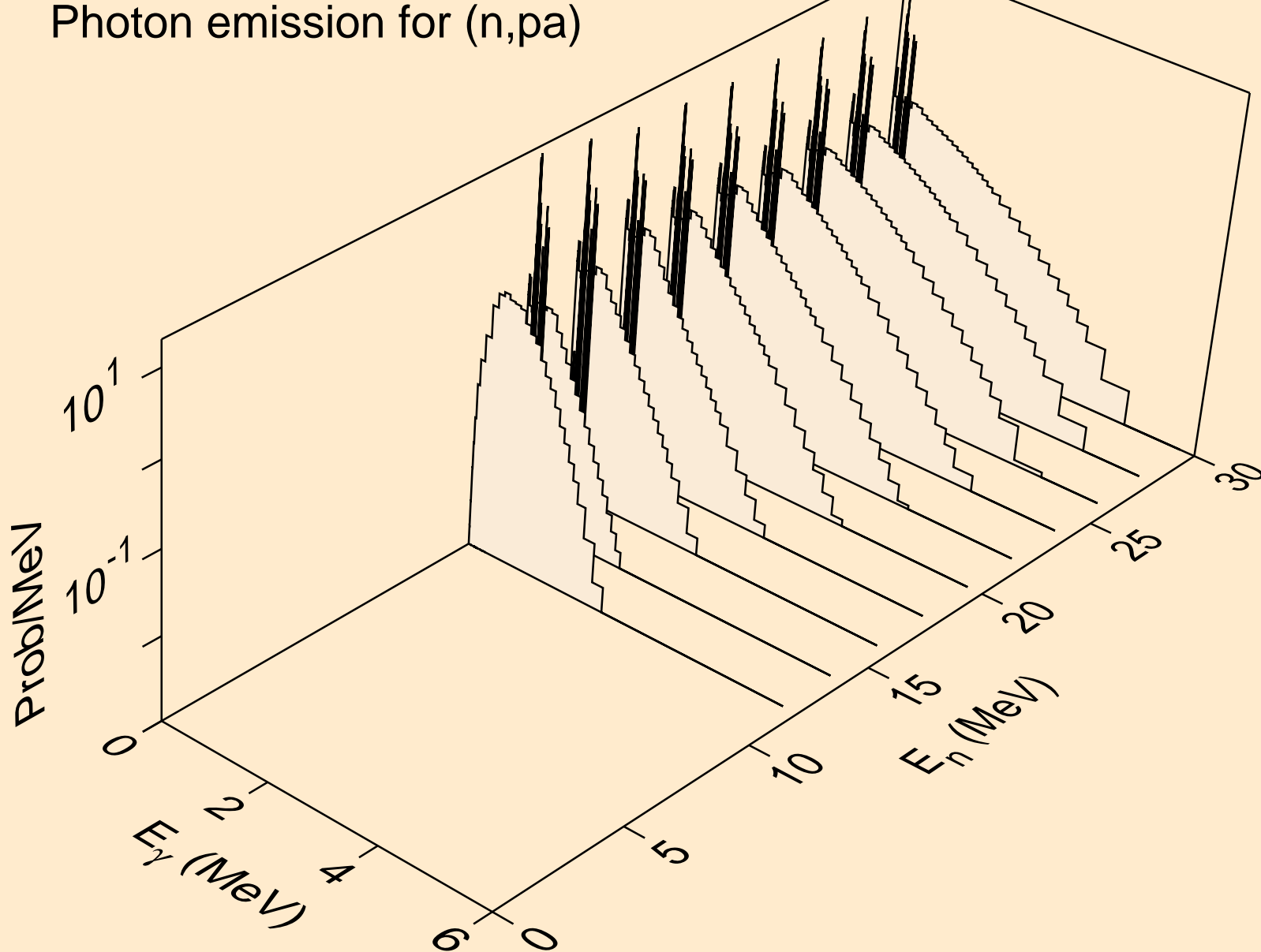
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2a)



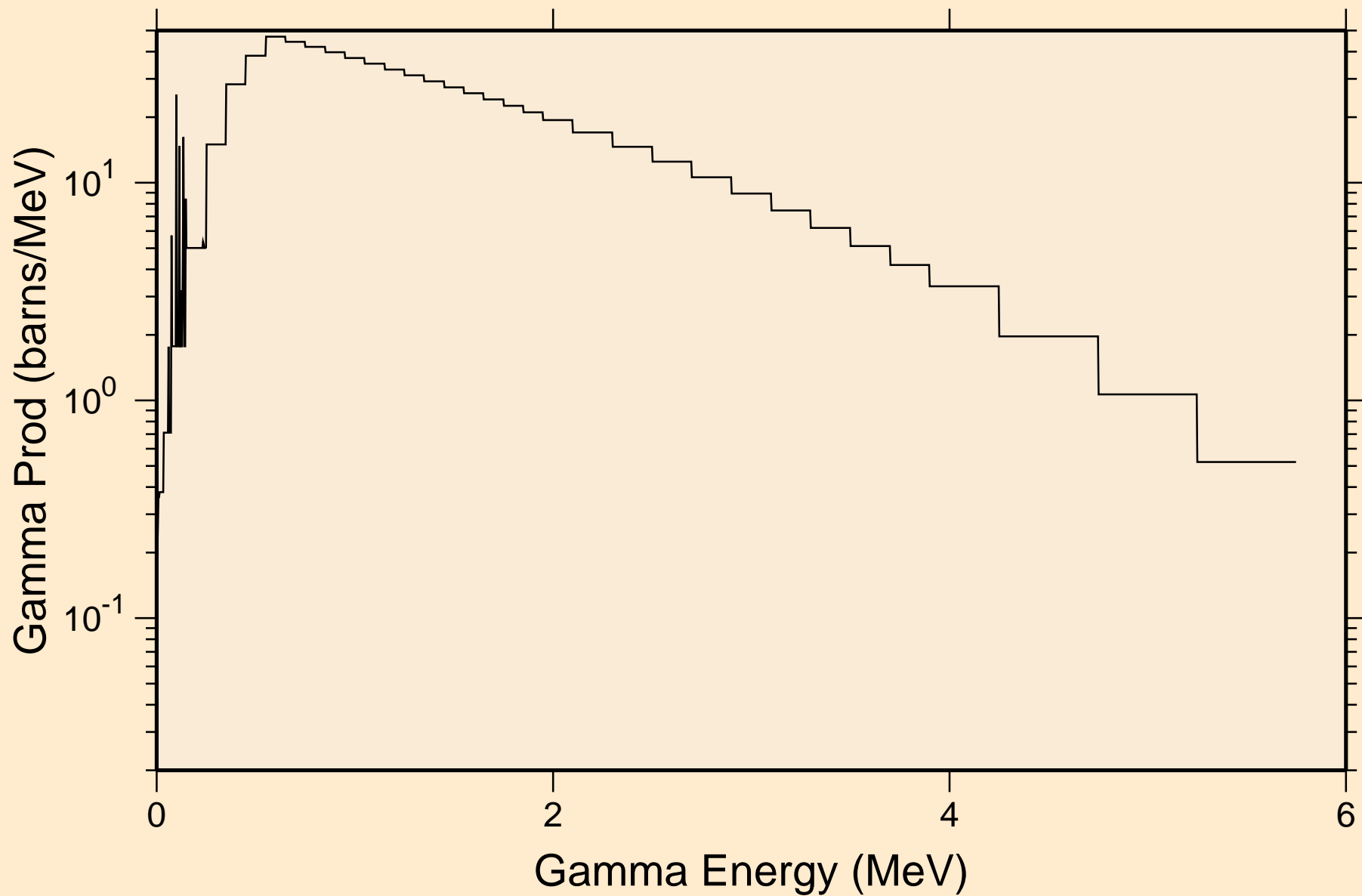
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)



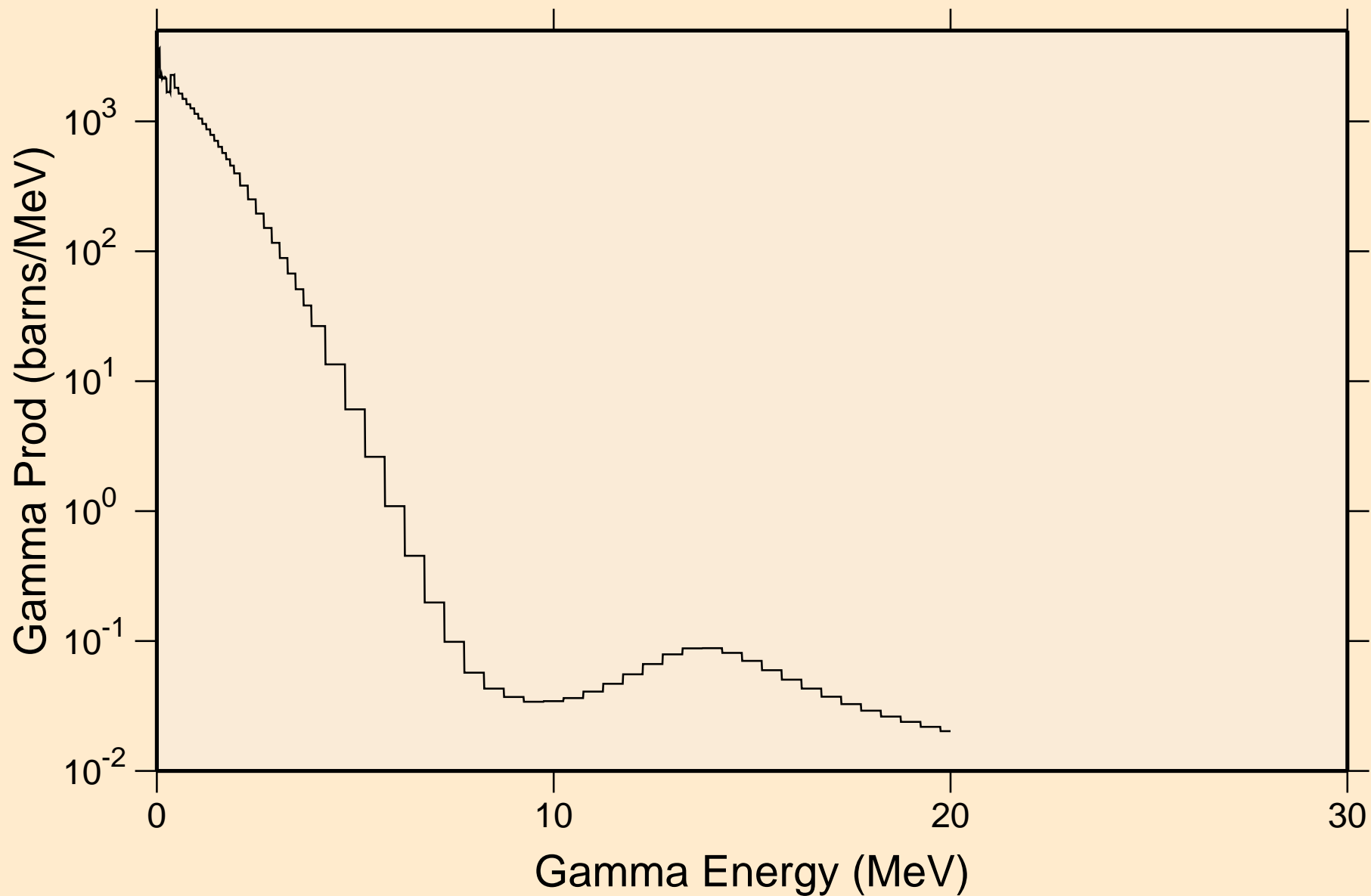
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p $\alpha$ )



TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

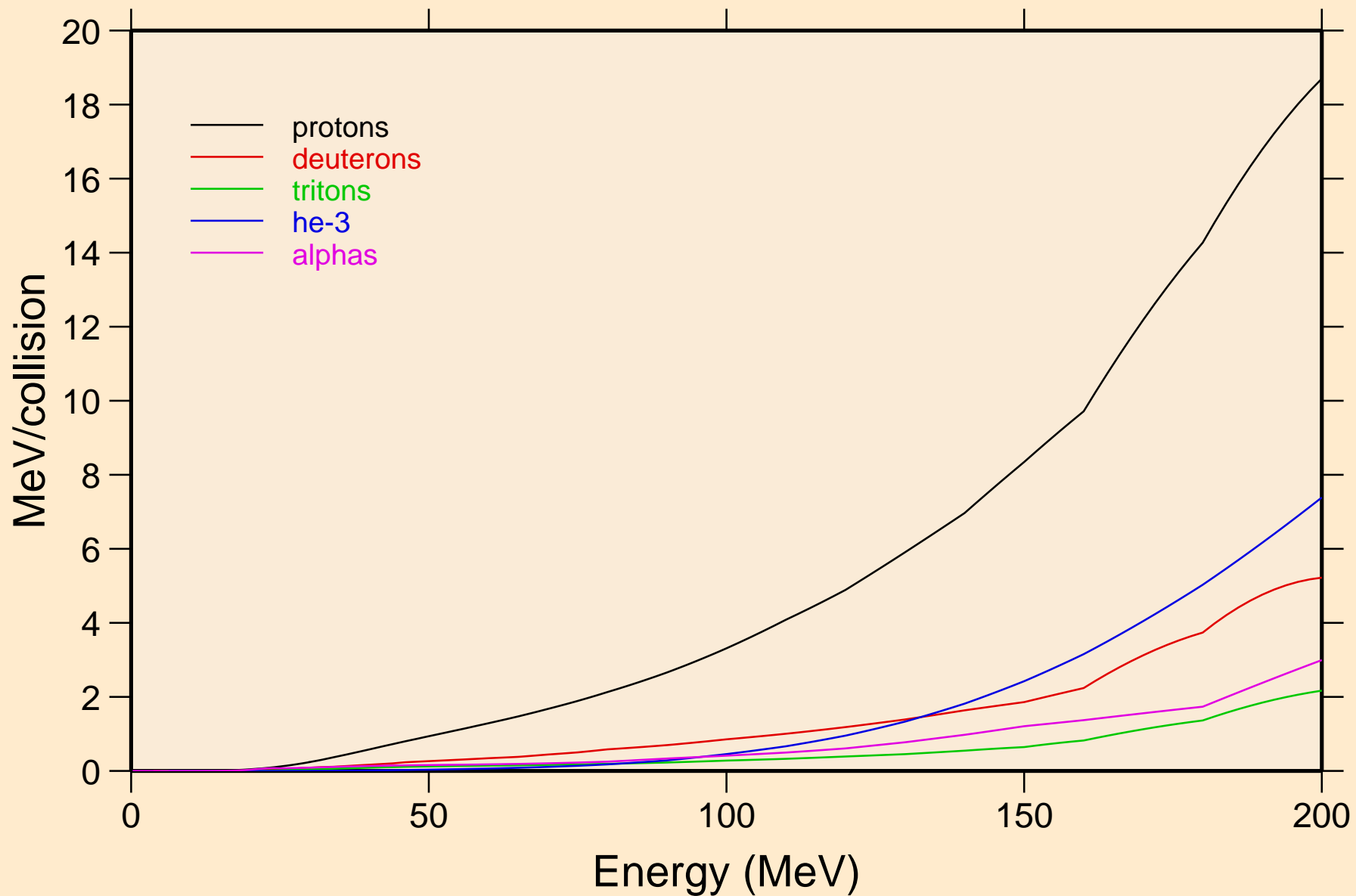


TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

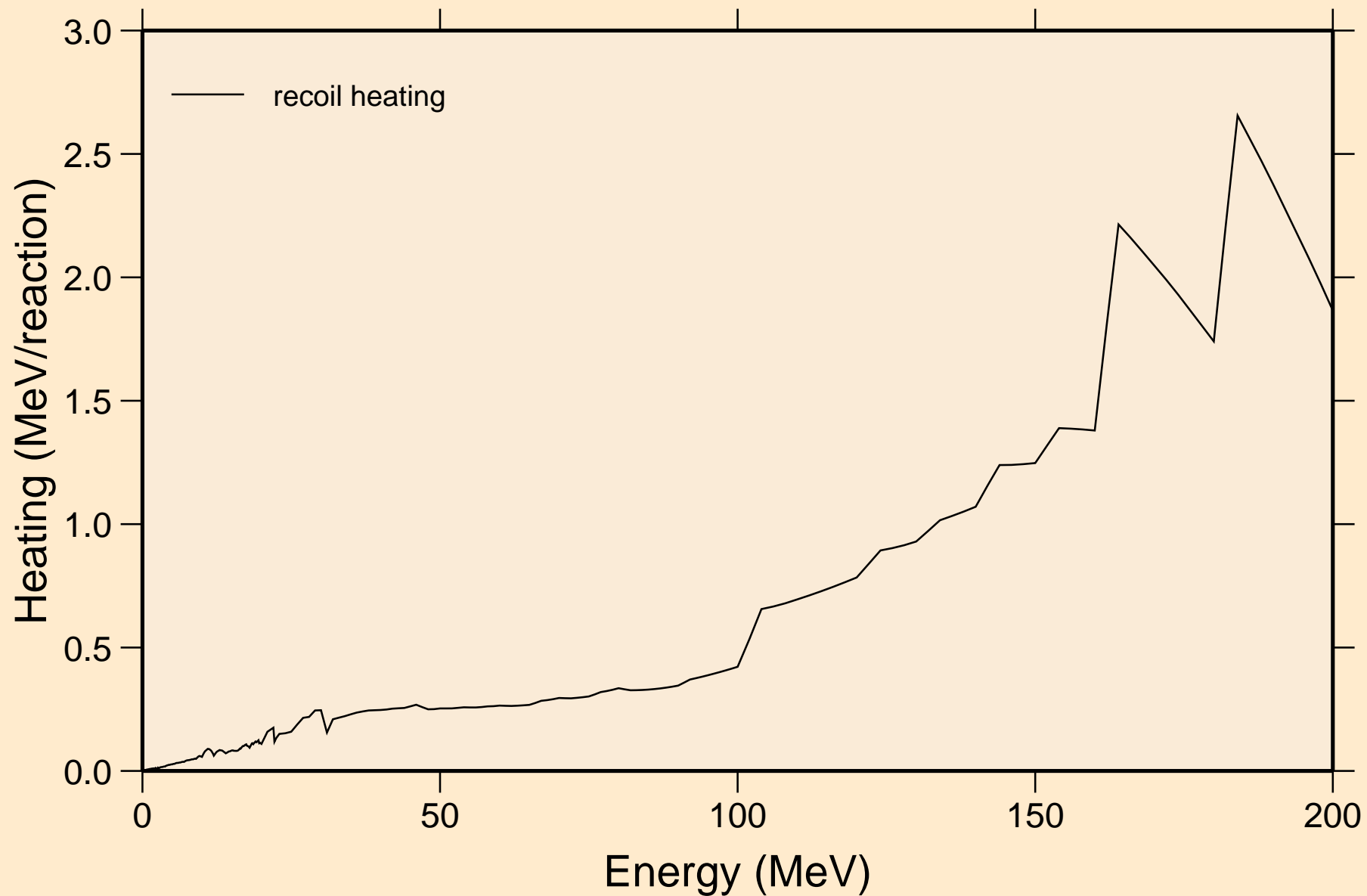


# TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

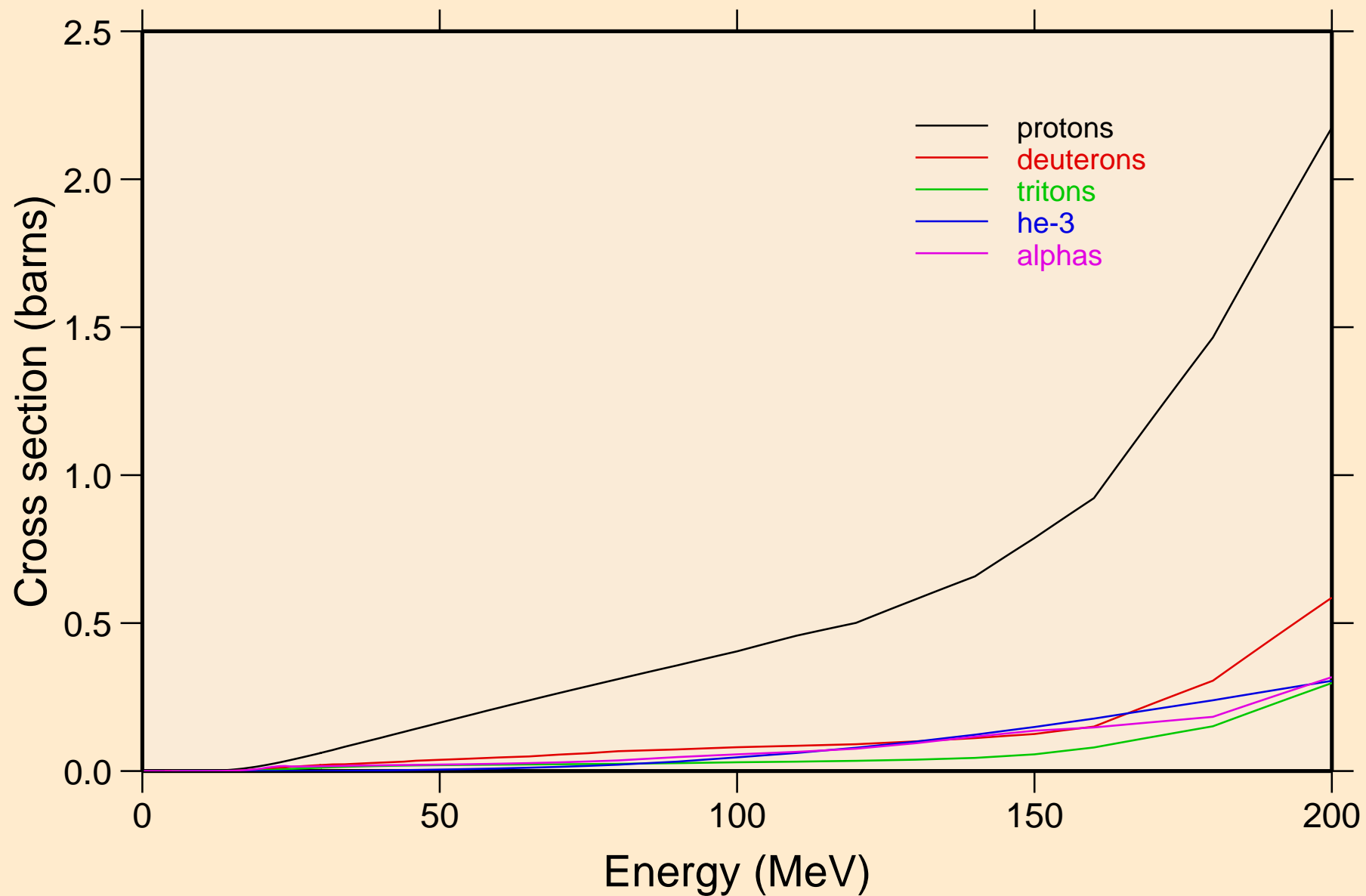
## Particle heating contributions



TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating

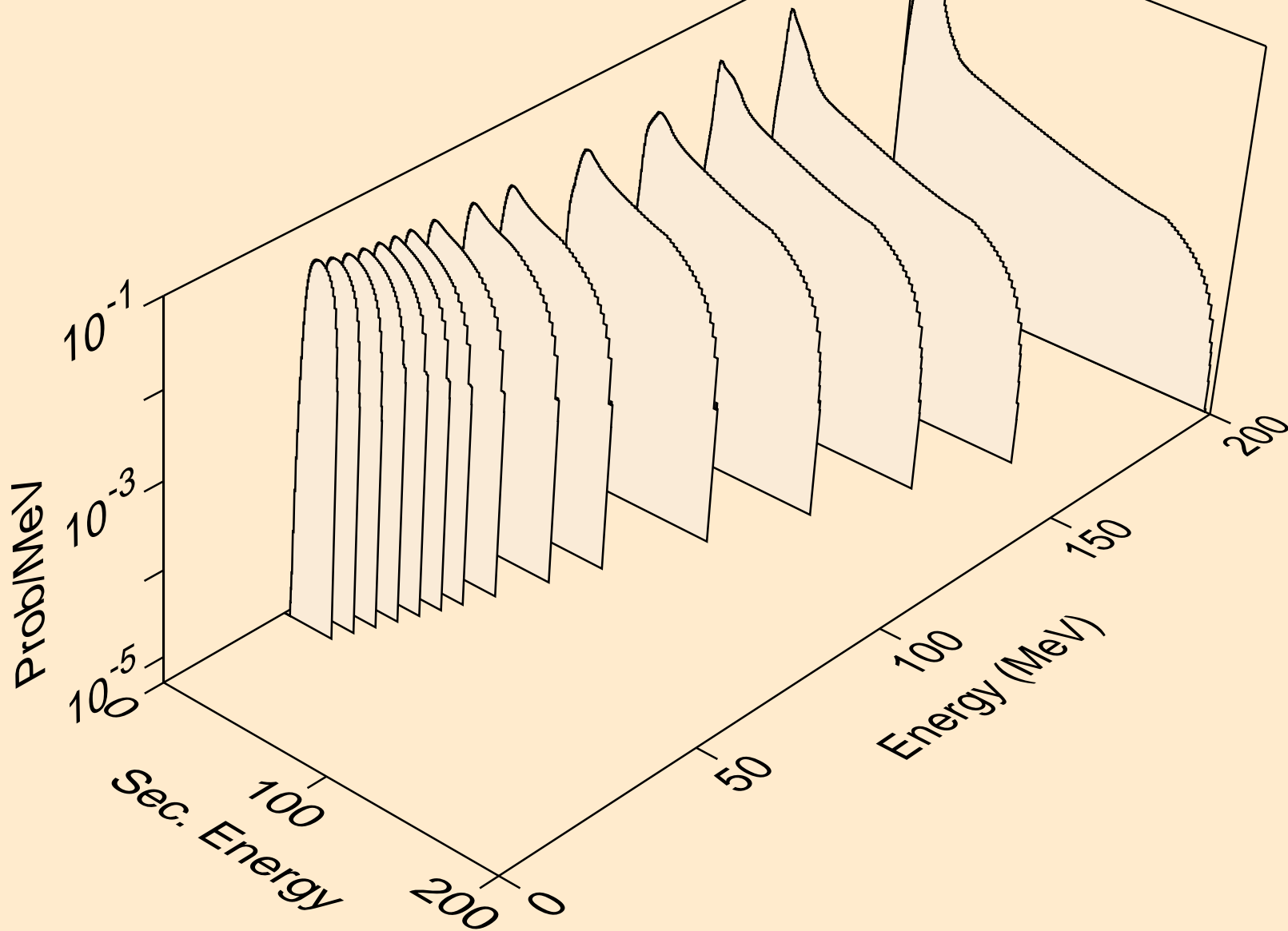


TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle production cross sections

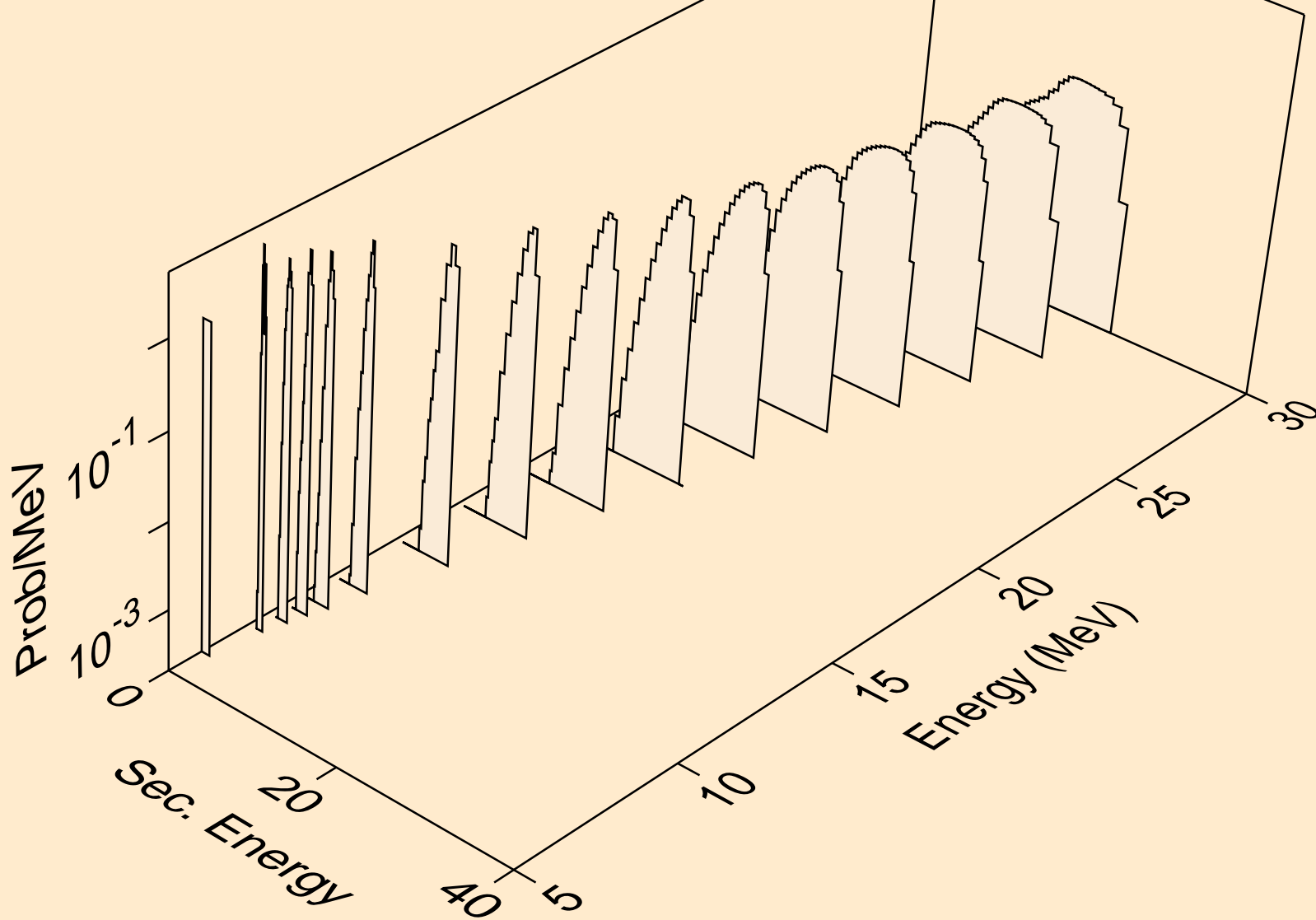




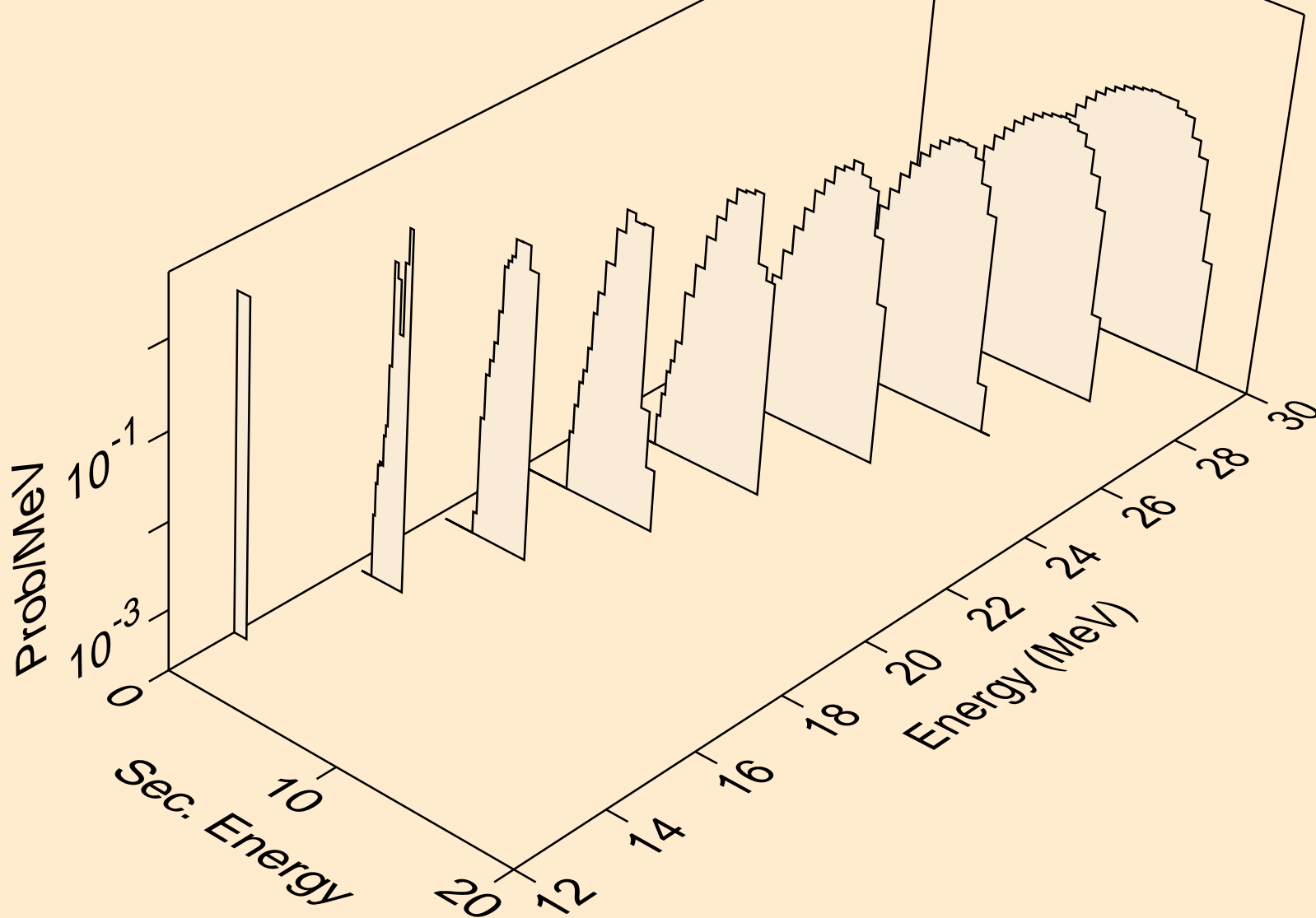
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



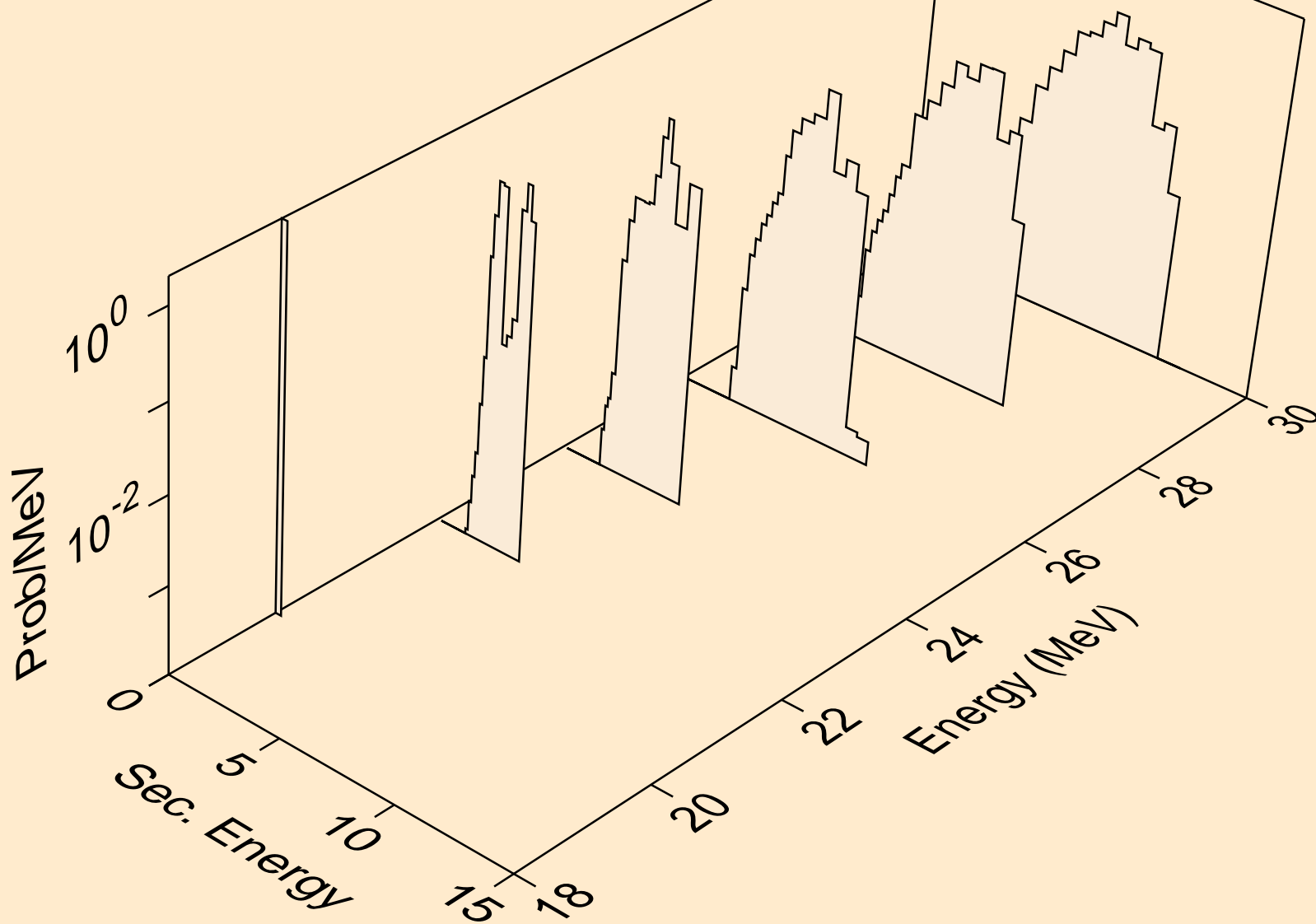
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



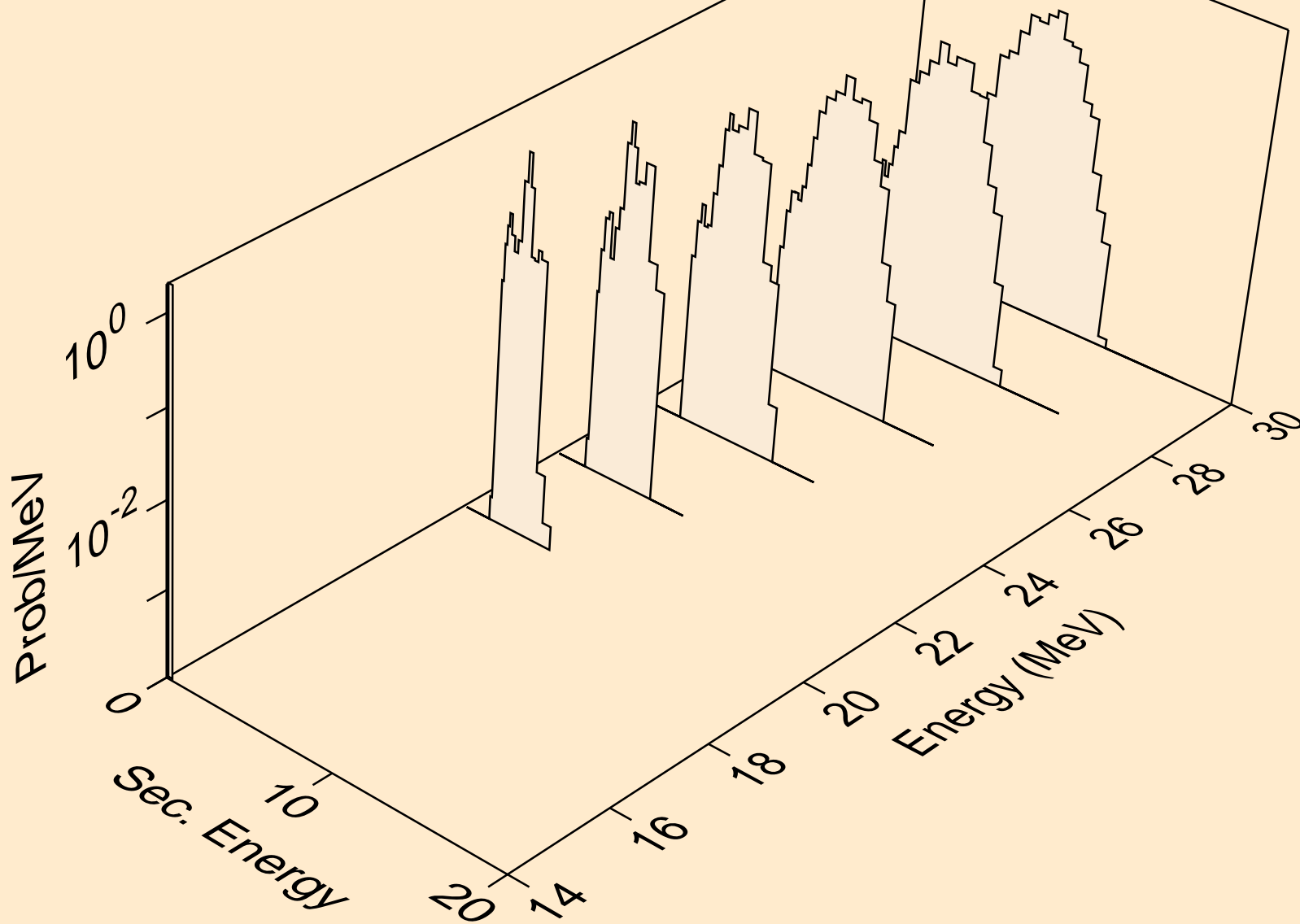
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protons from (n,2np)



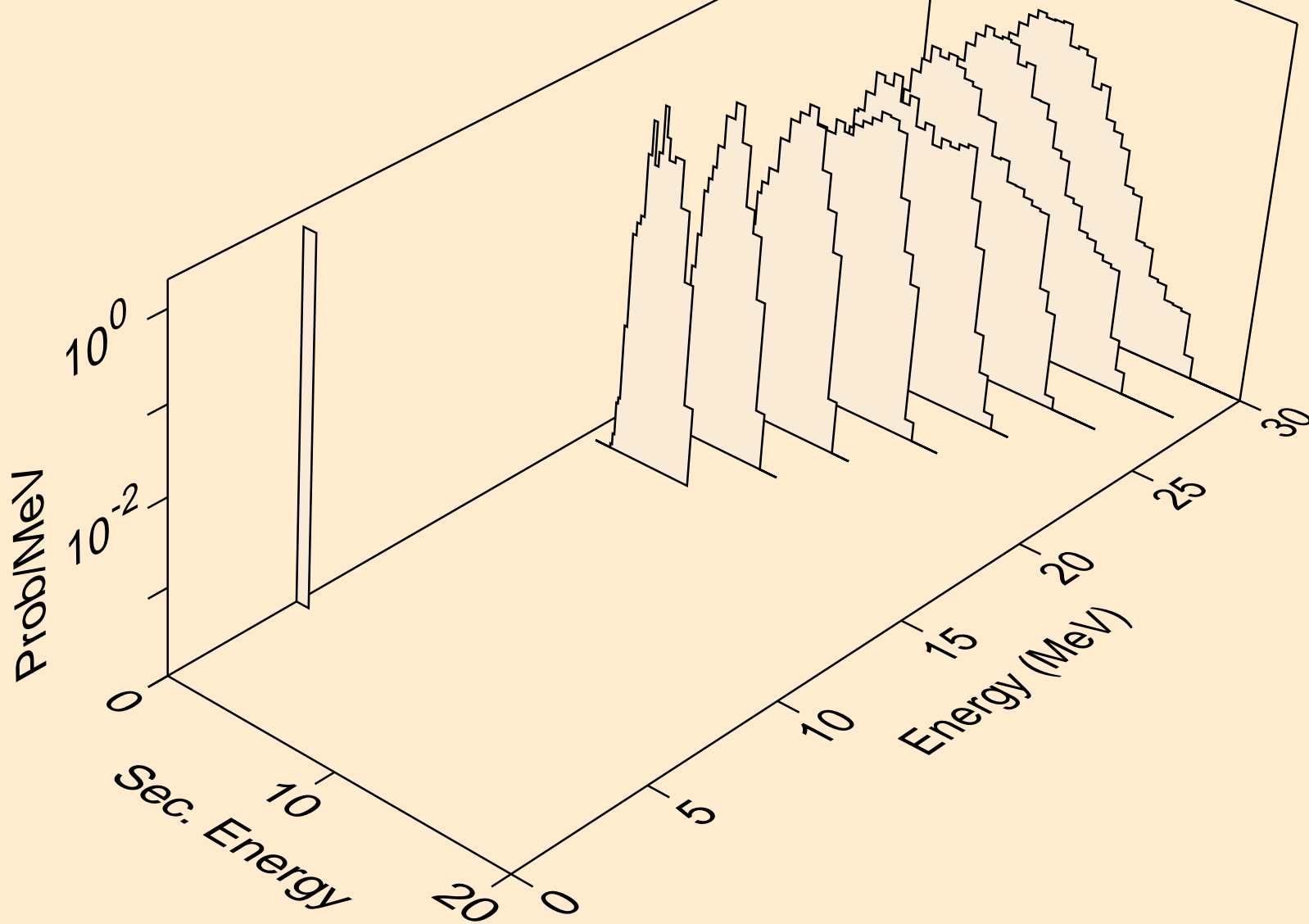
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)



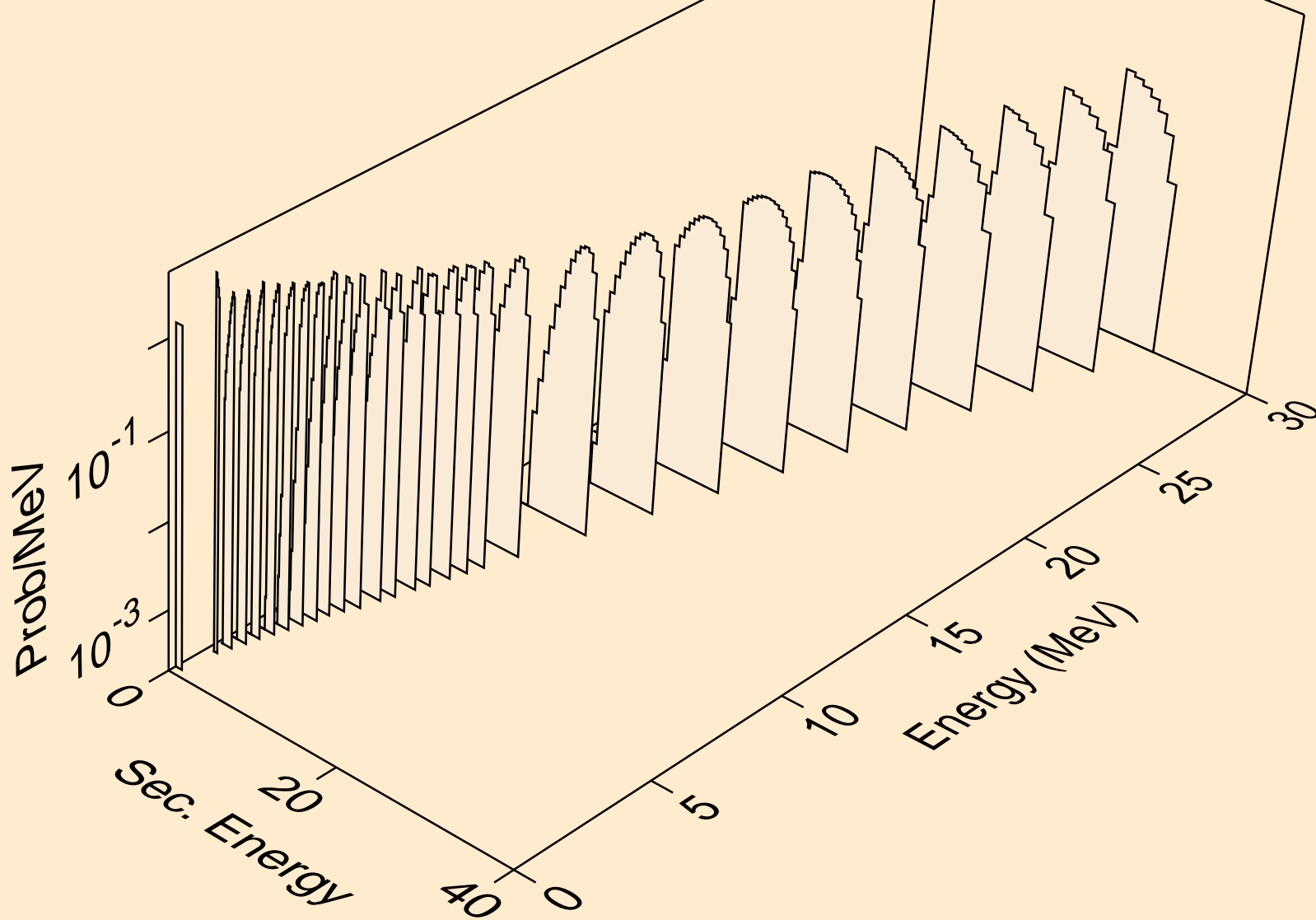
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



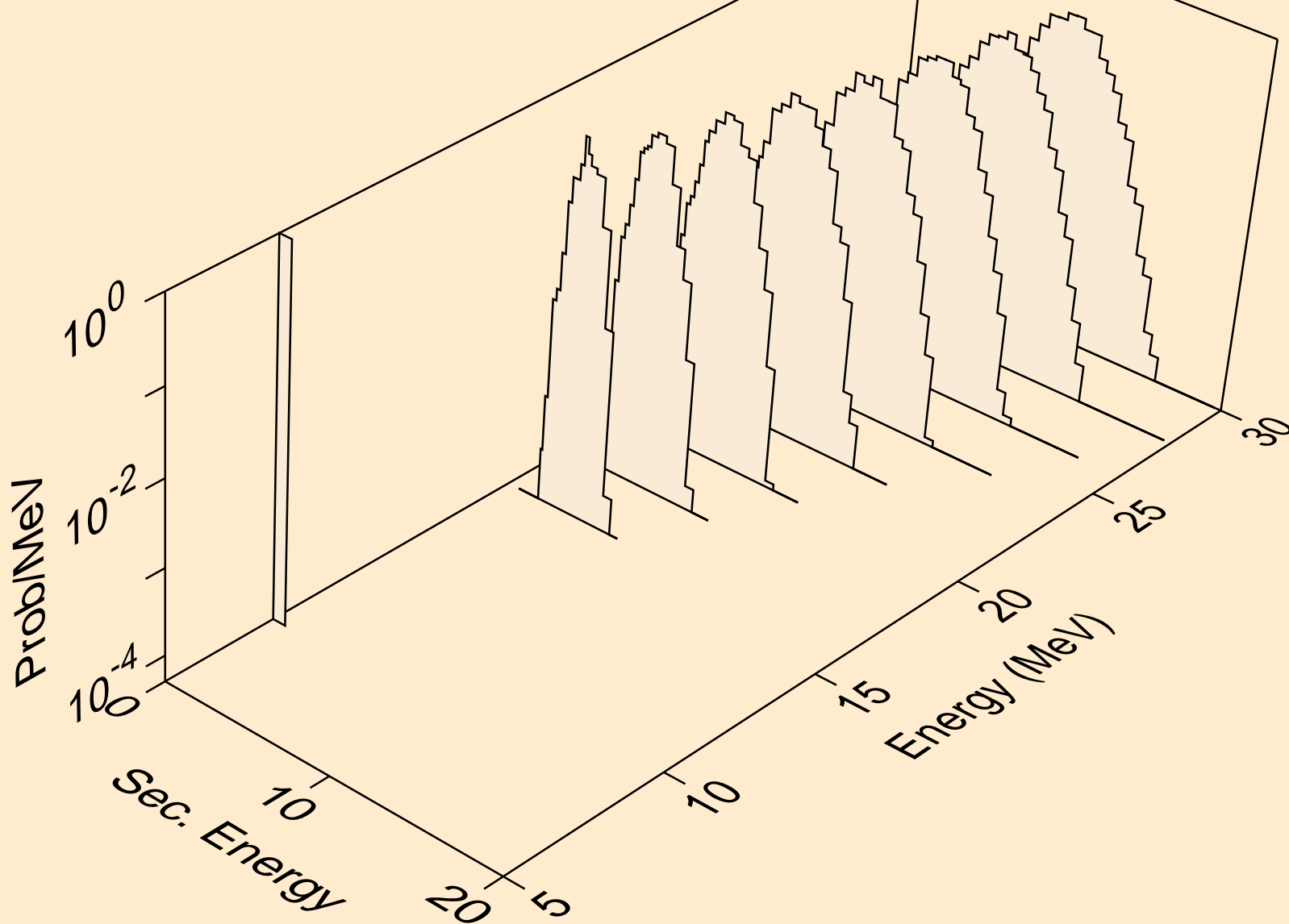
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,npa)



TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)

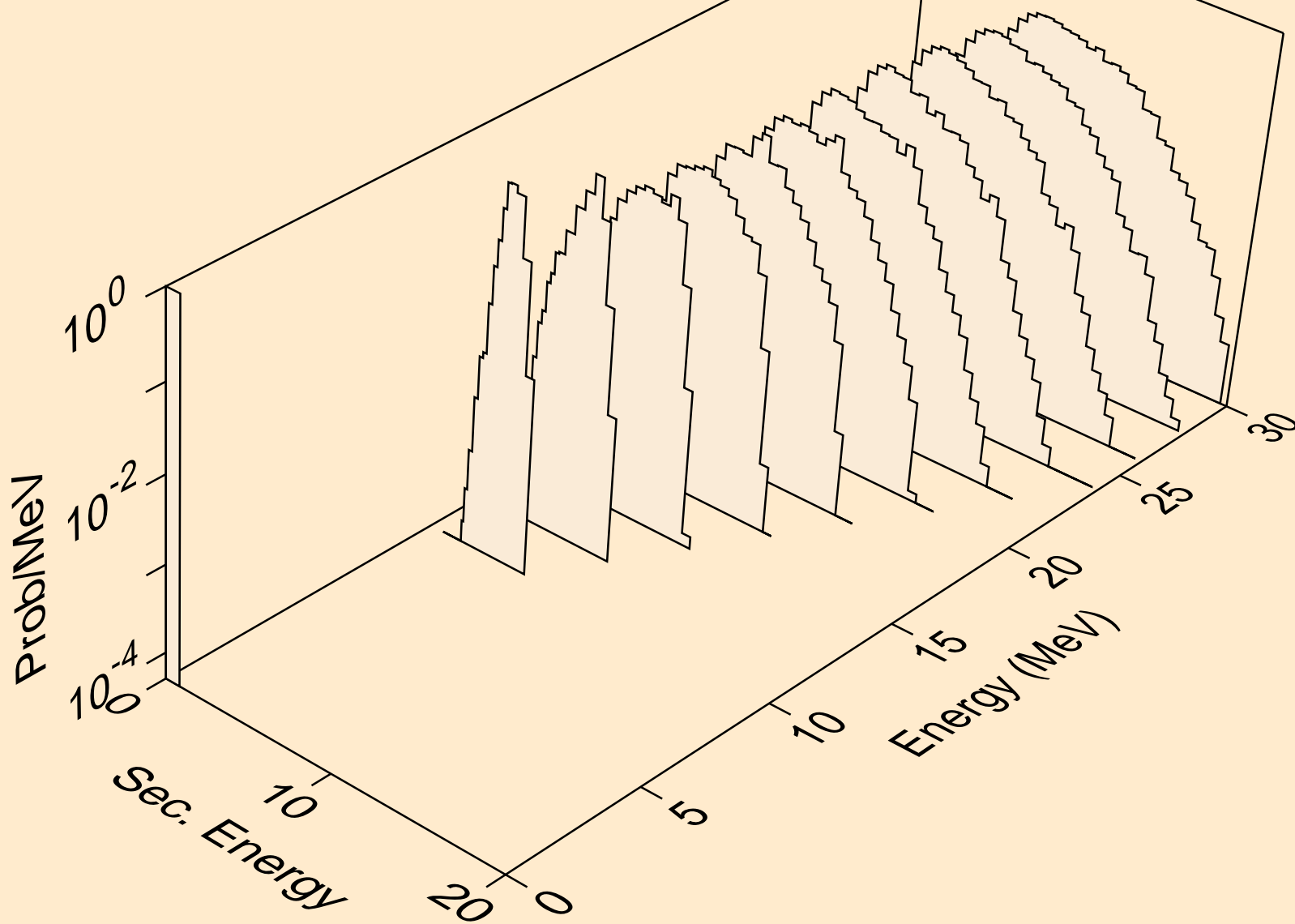


TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)

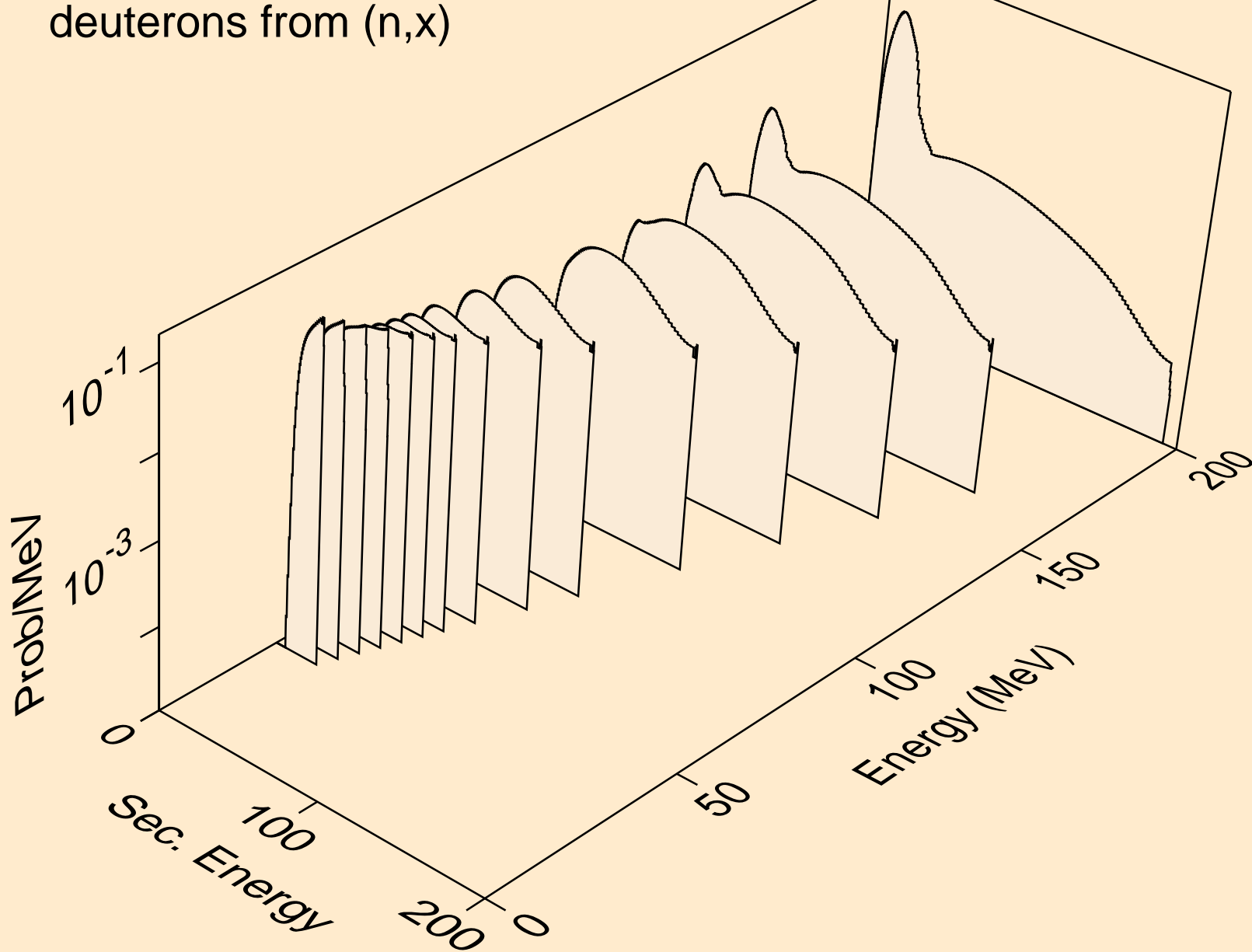




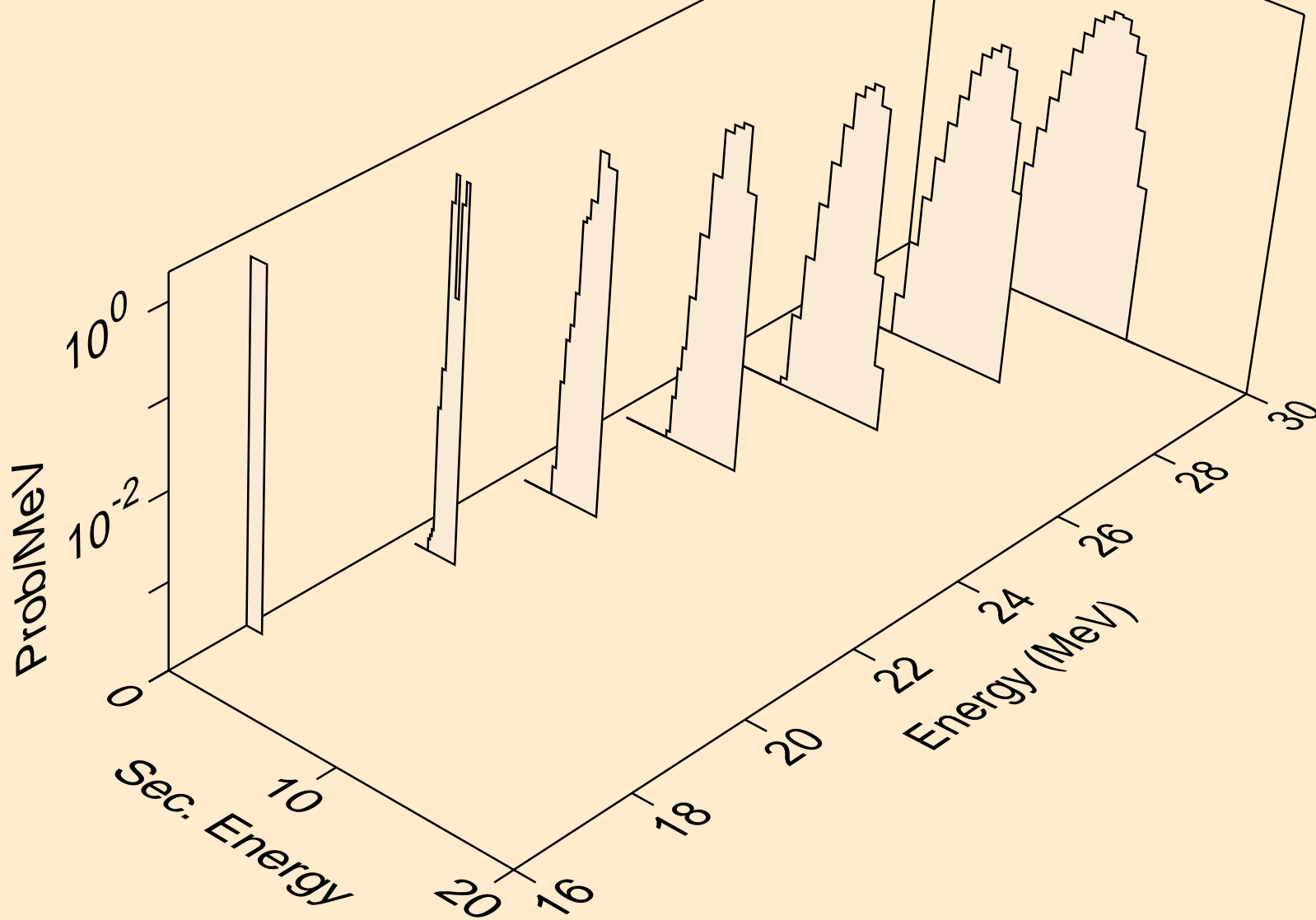
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



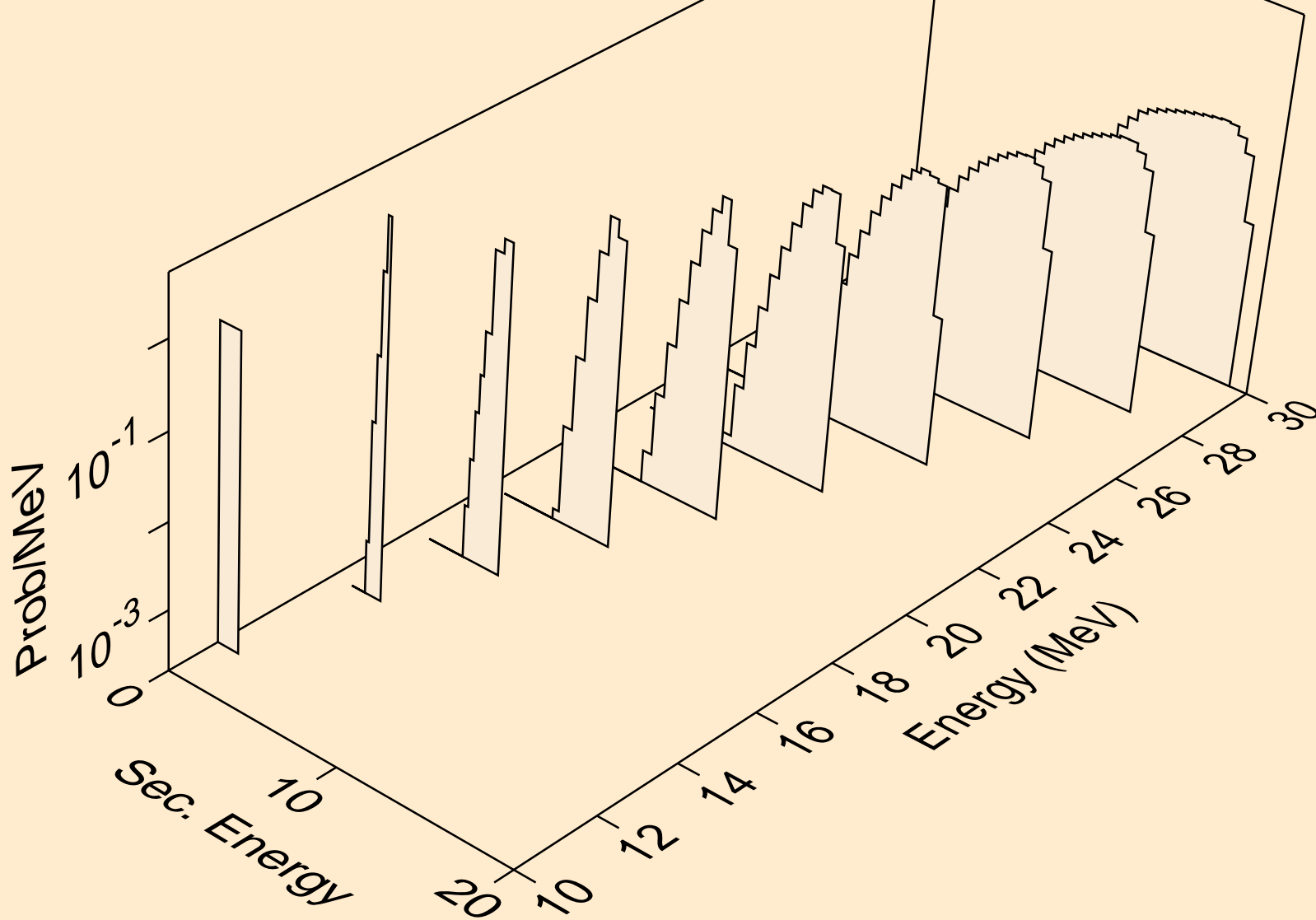
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)



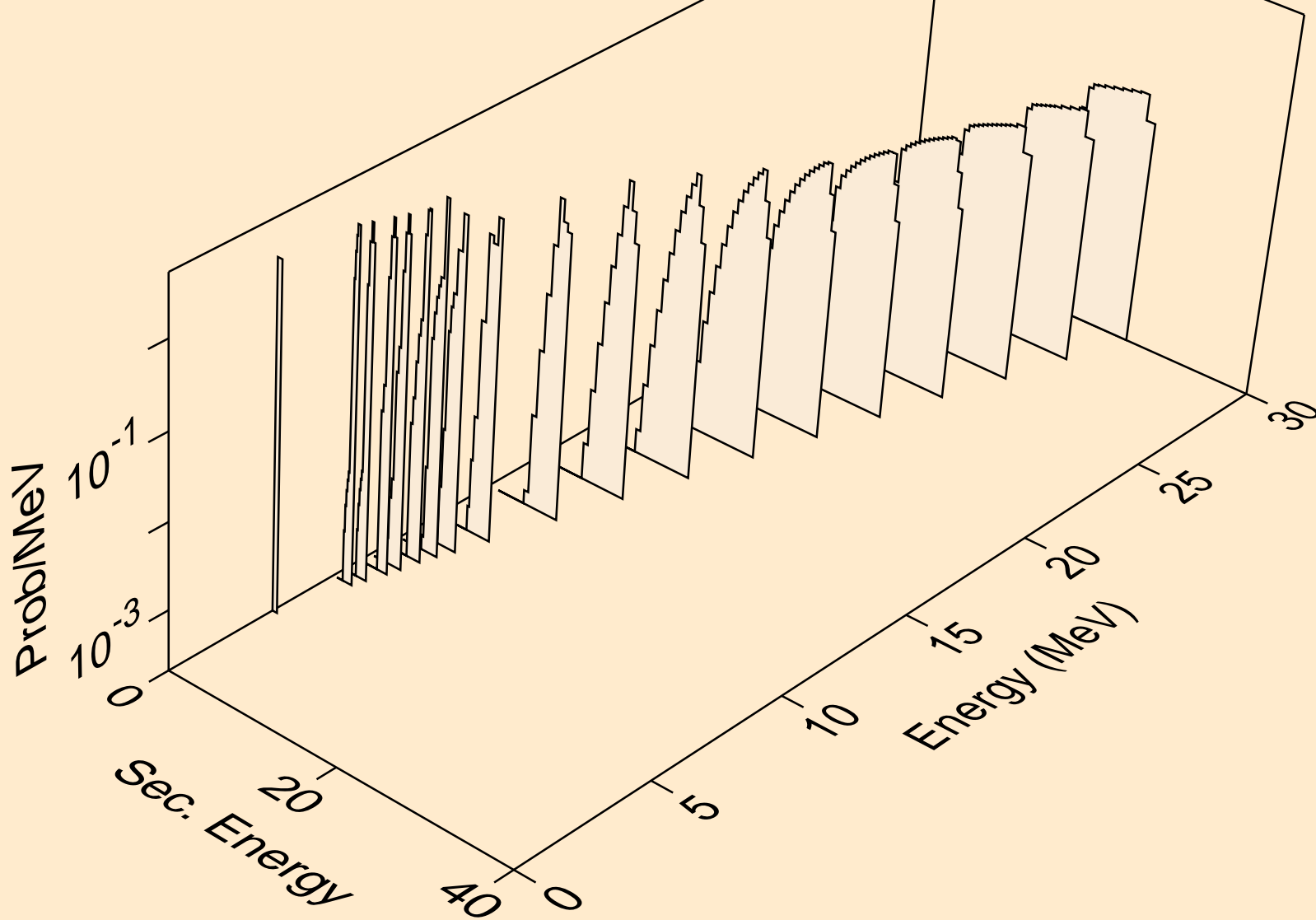
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)



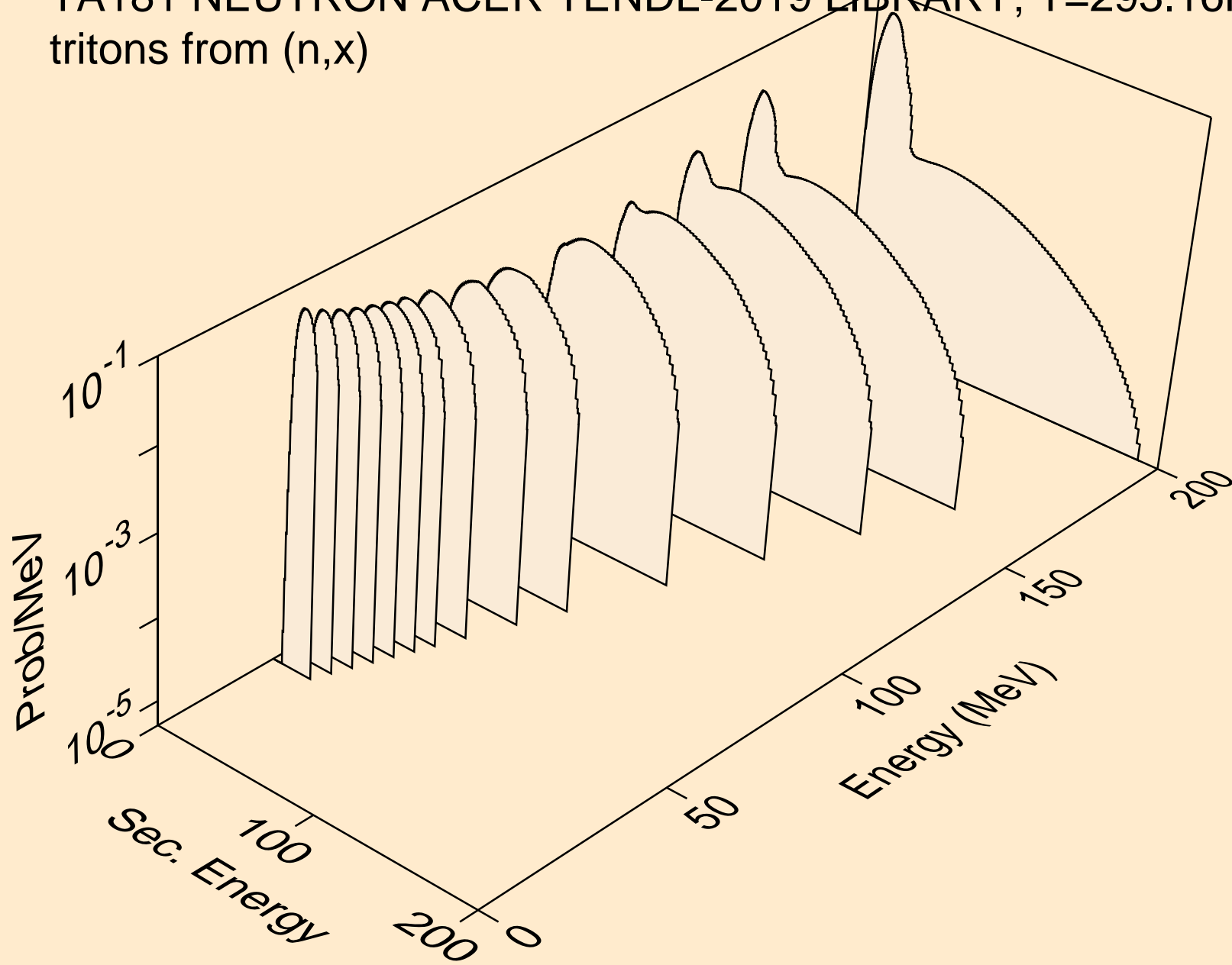
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d



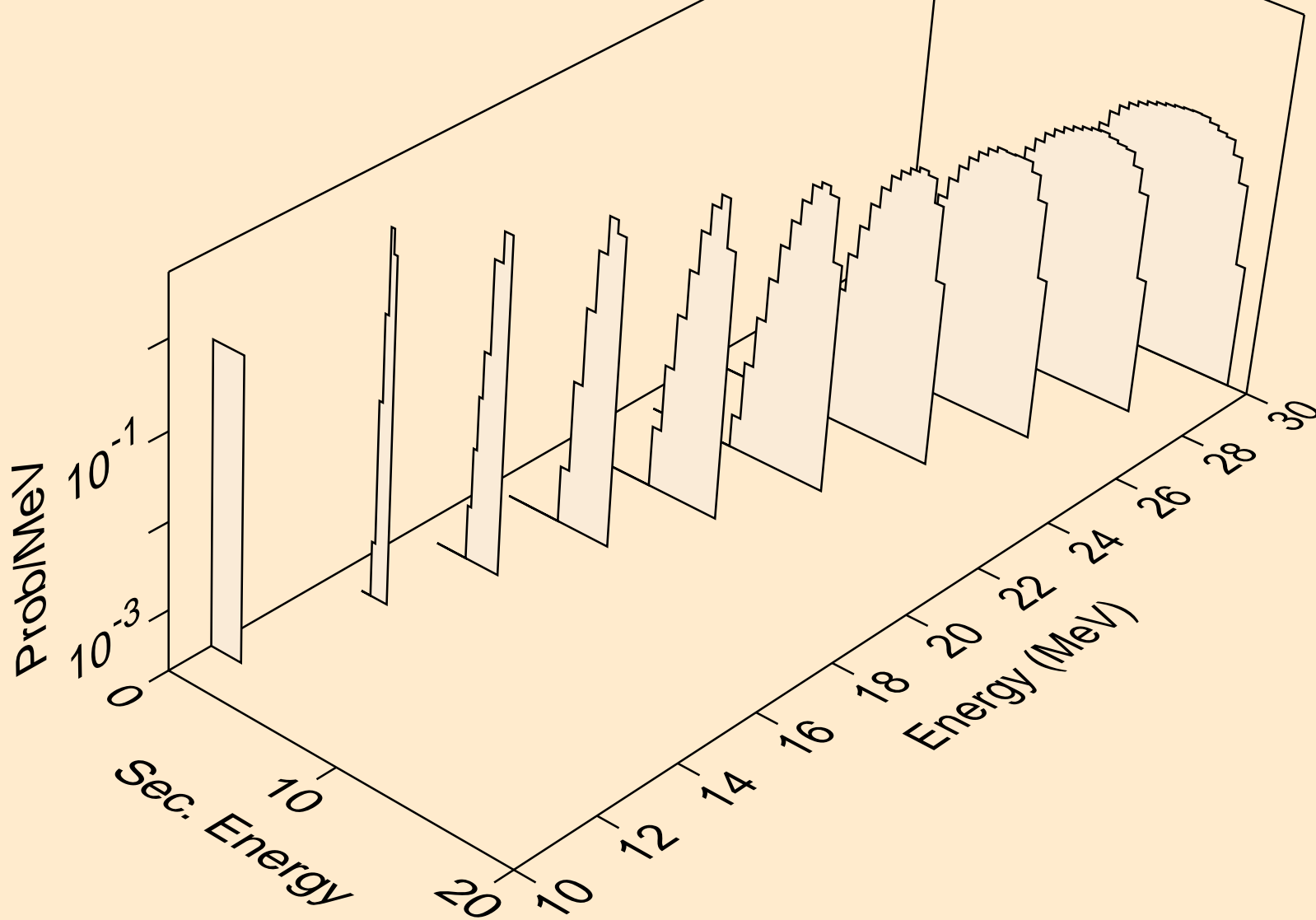
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)



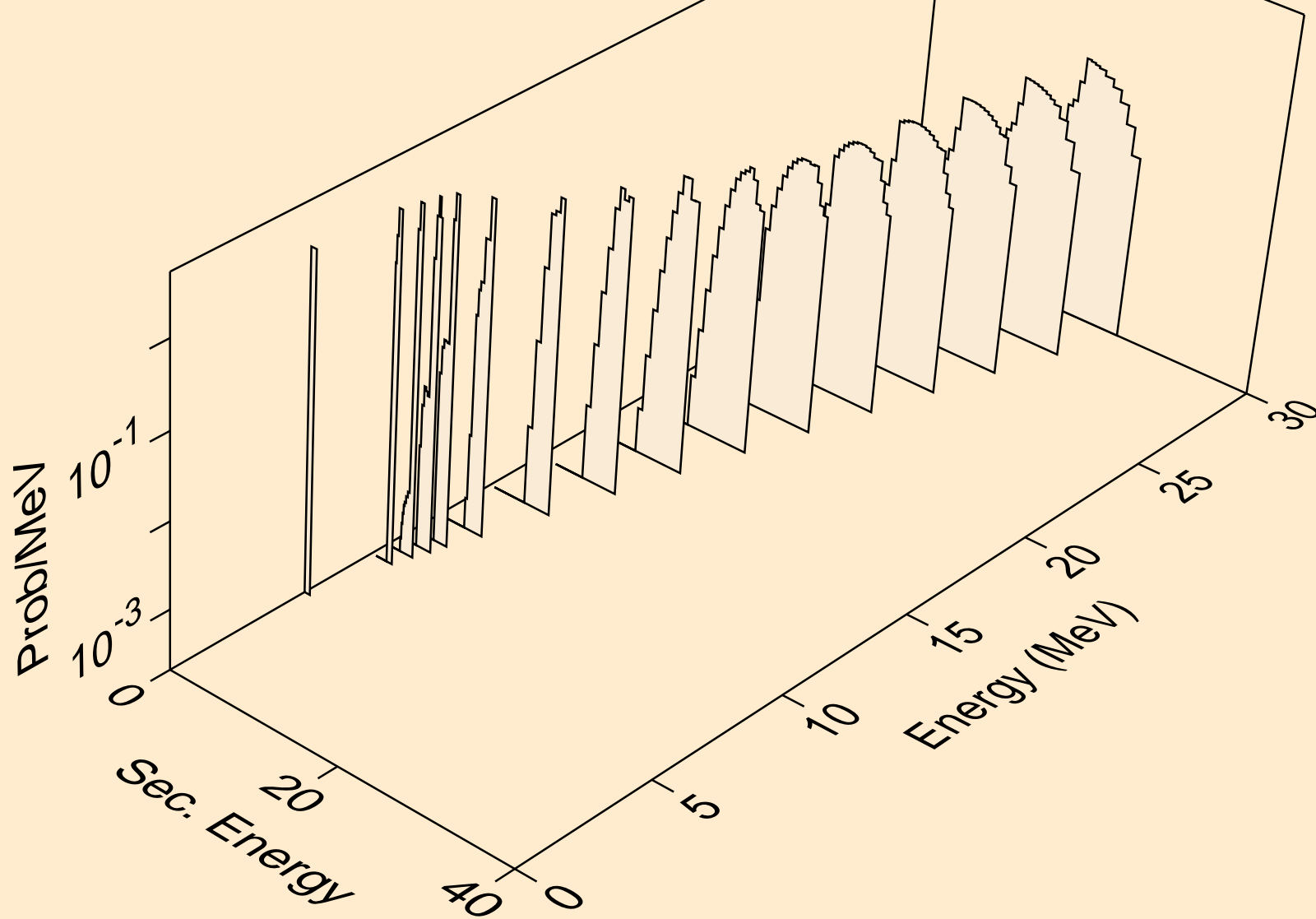
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)



TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t

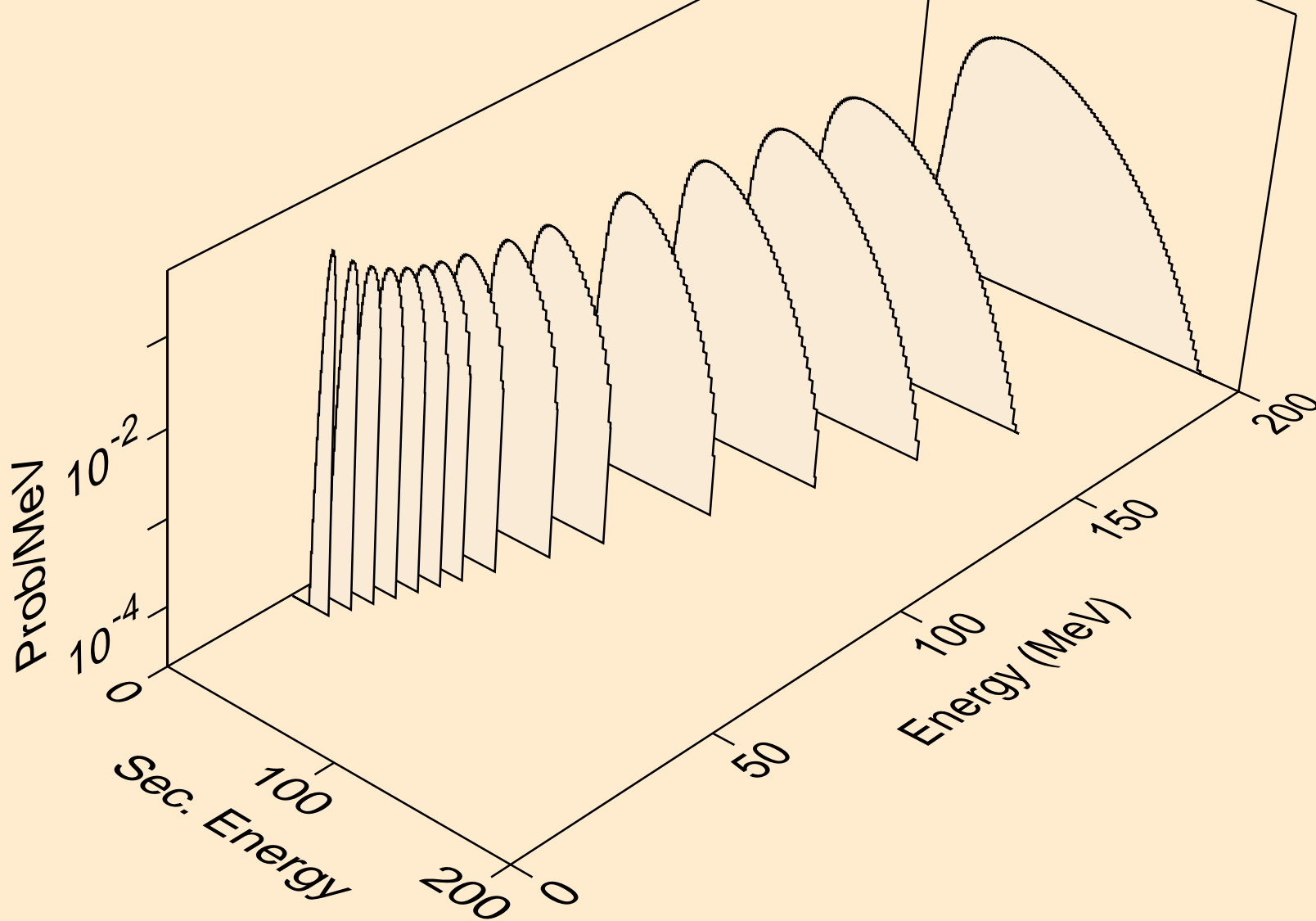


TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)

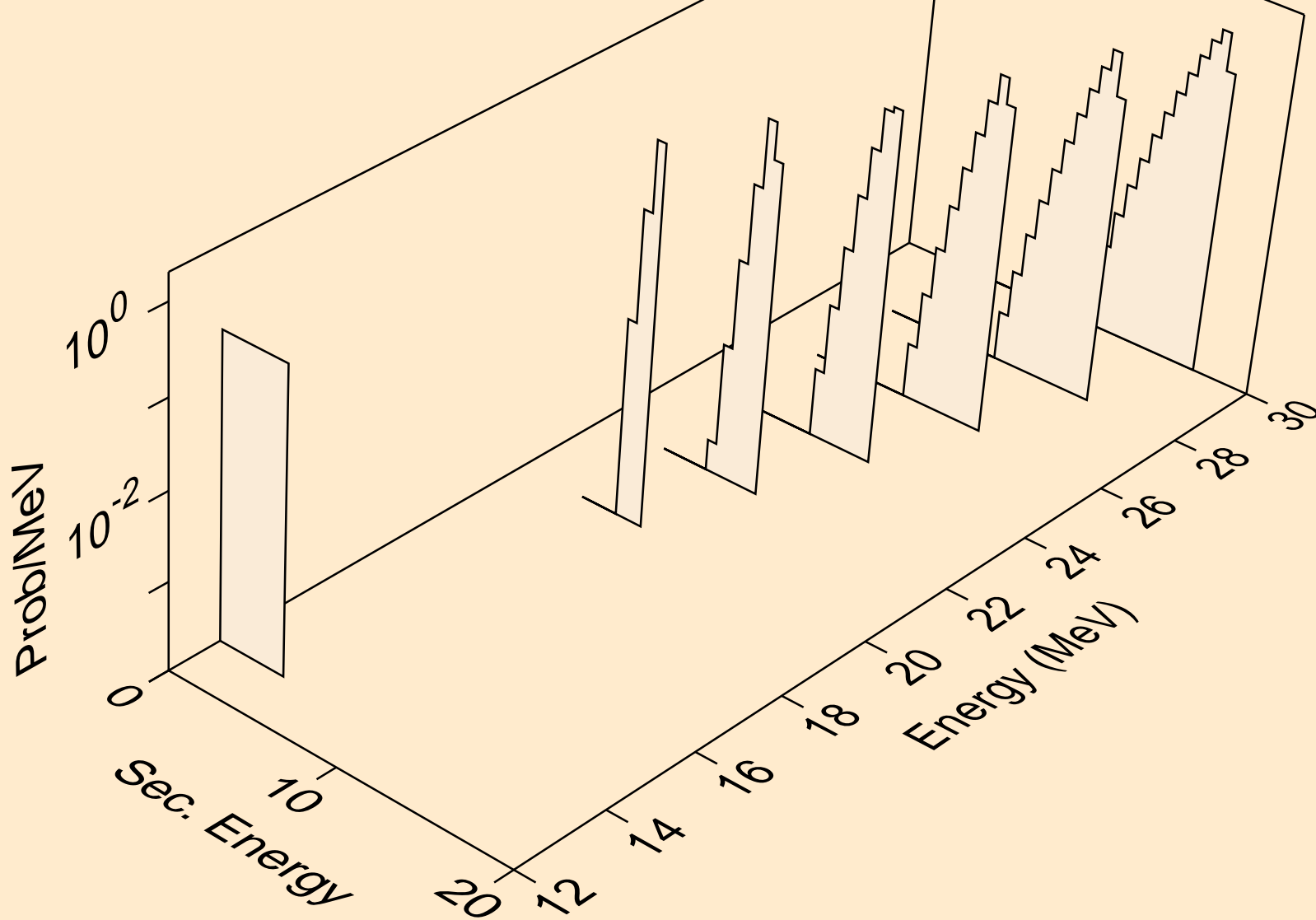




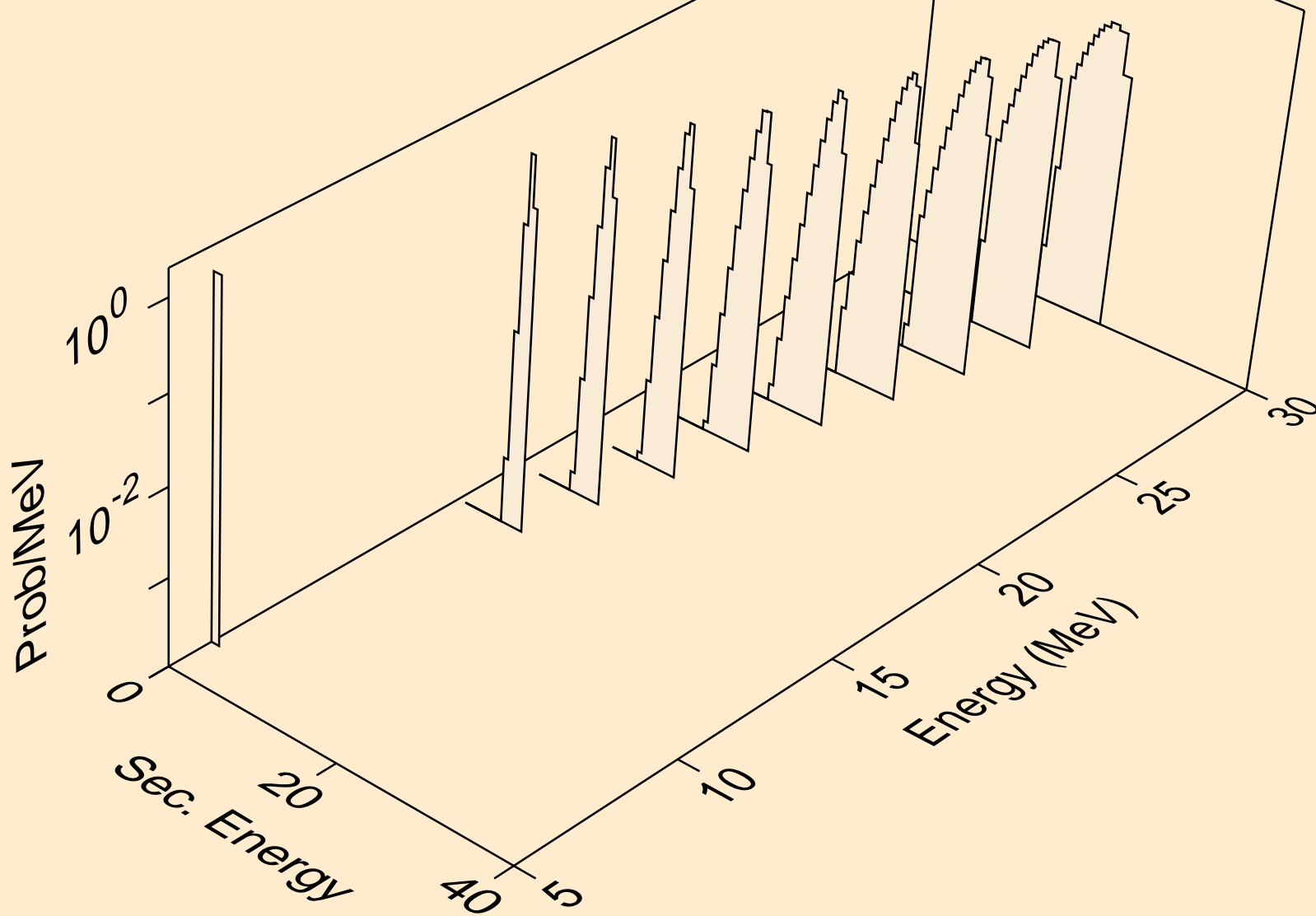
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)



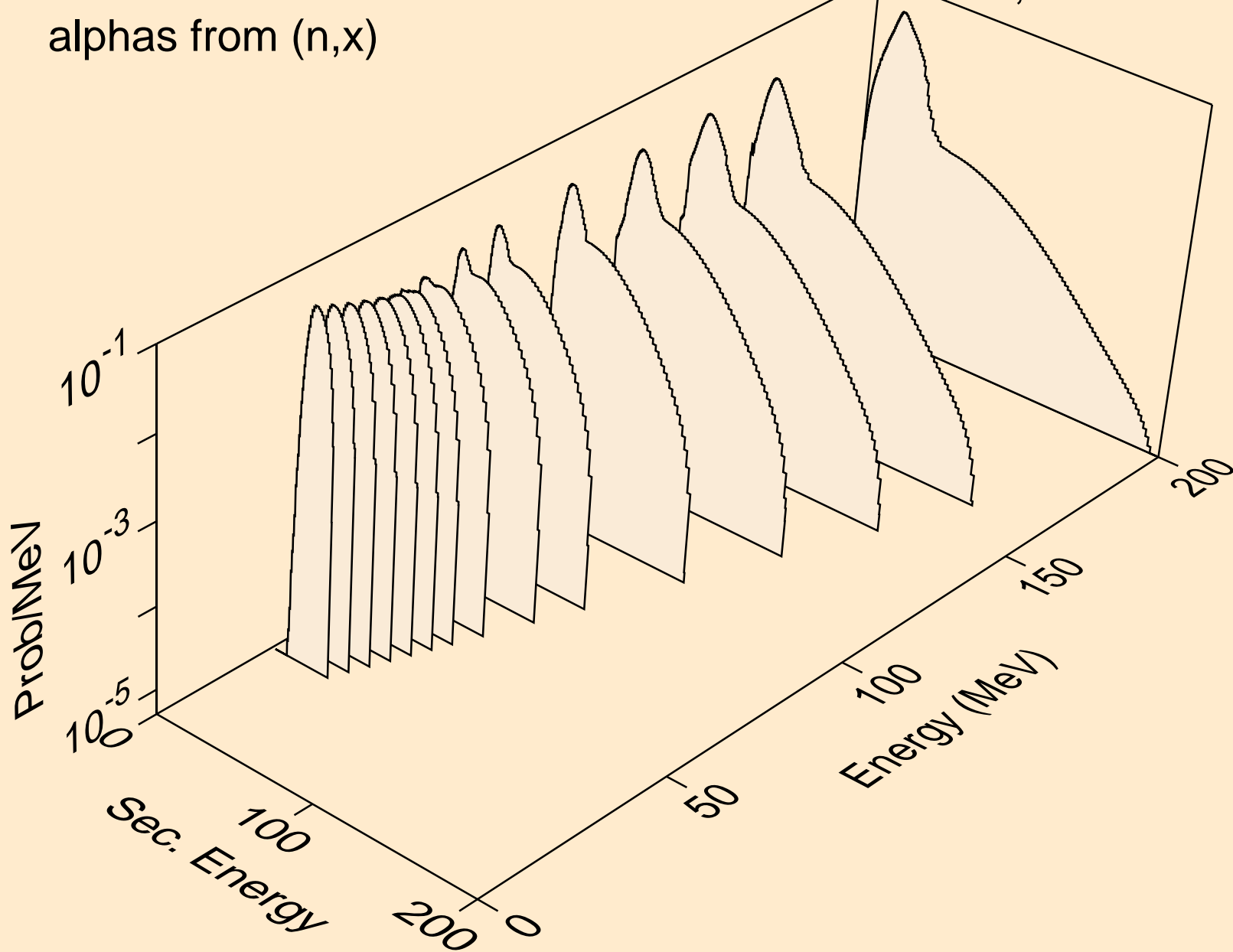
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3



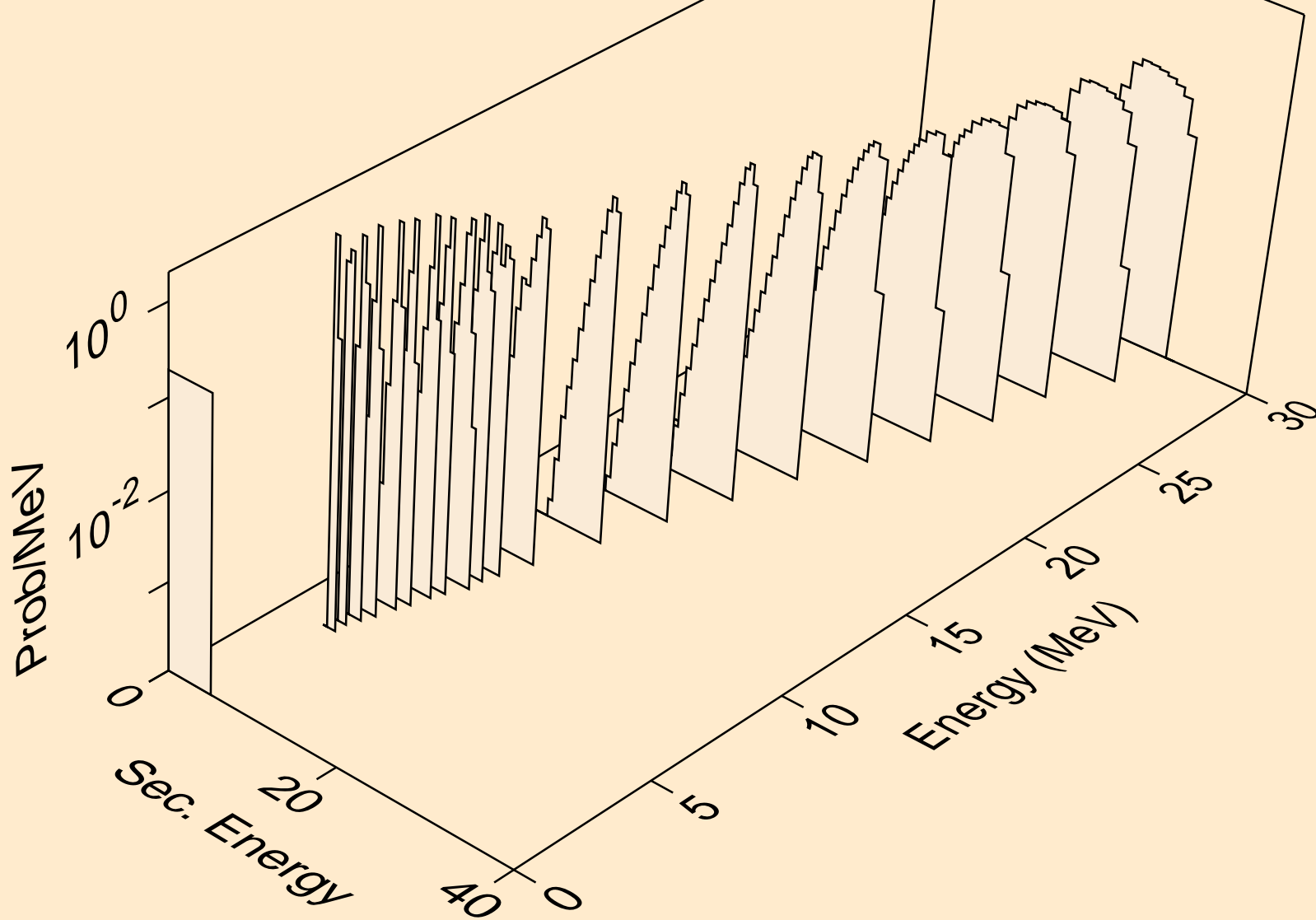
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he3s from (n,he3)



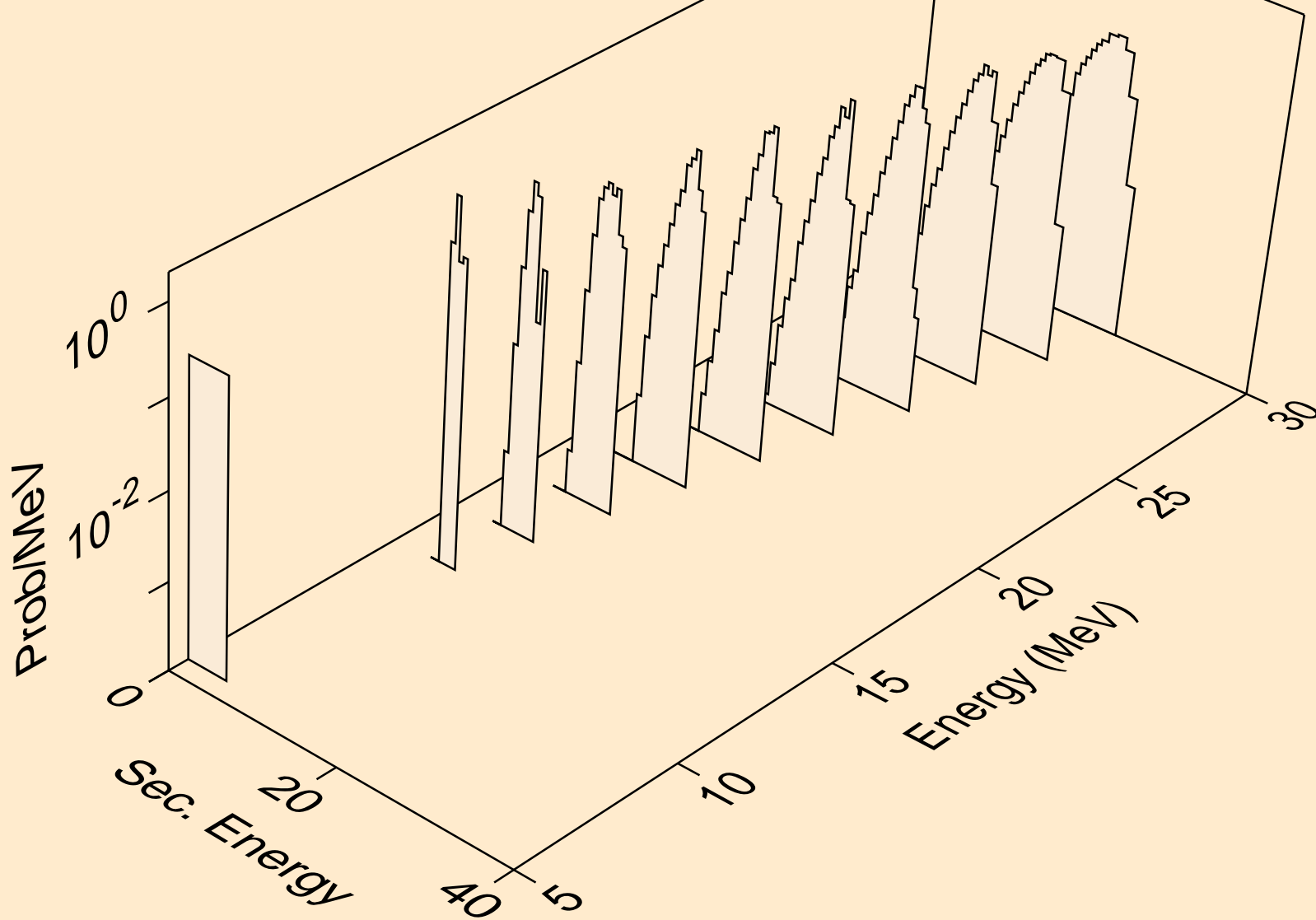
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)



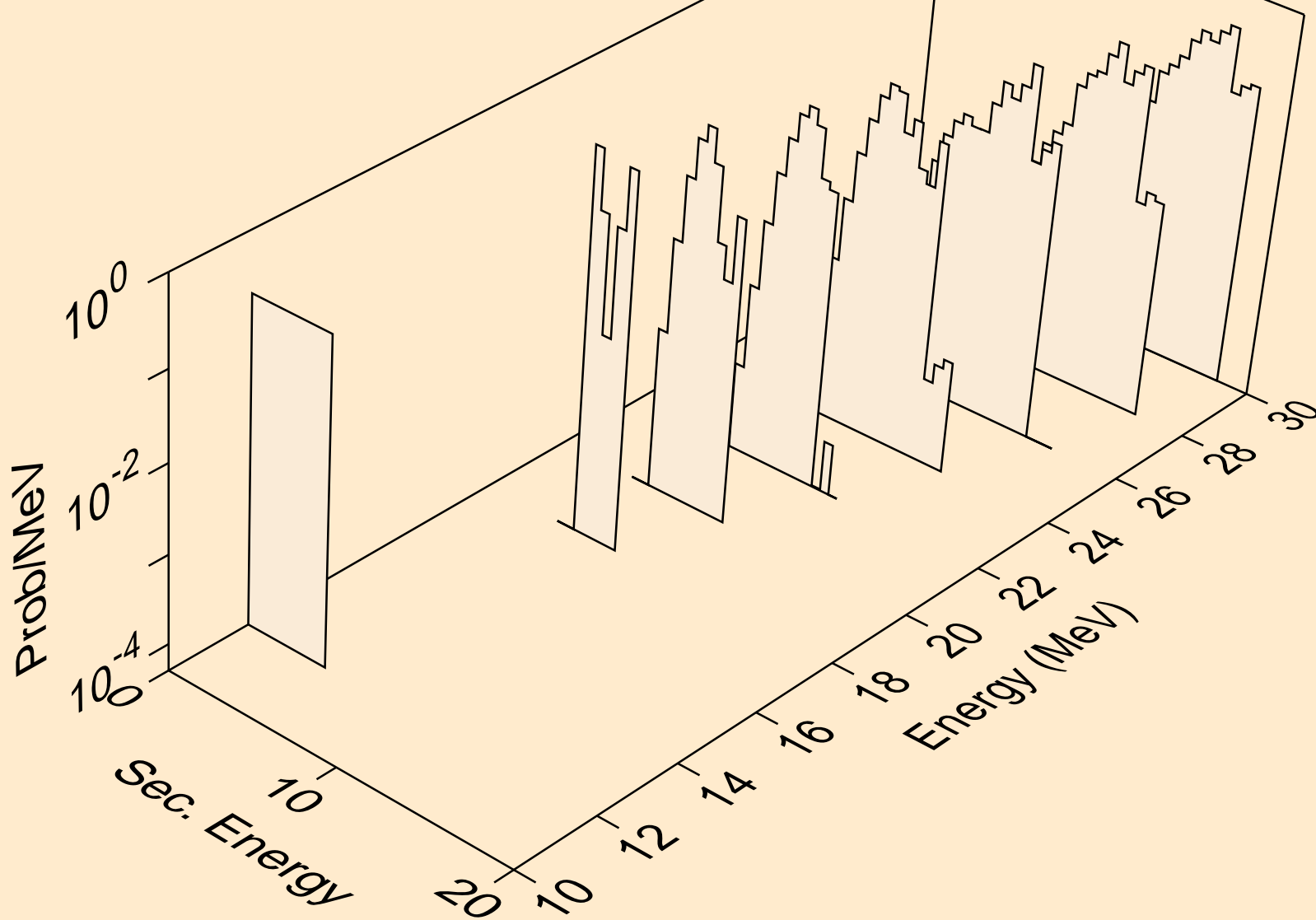
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



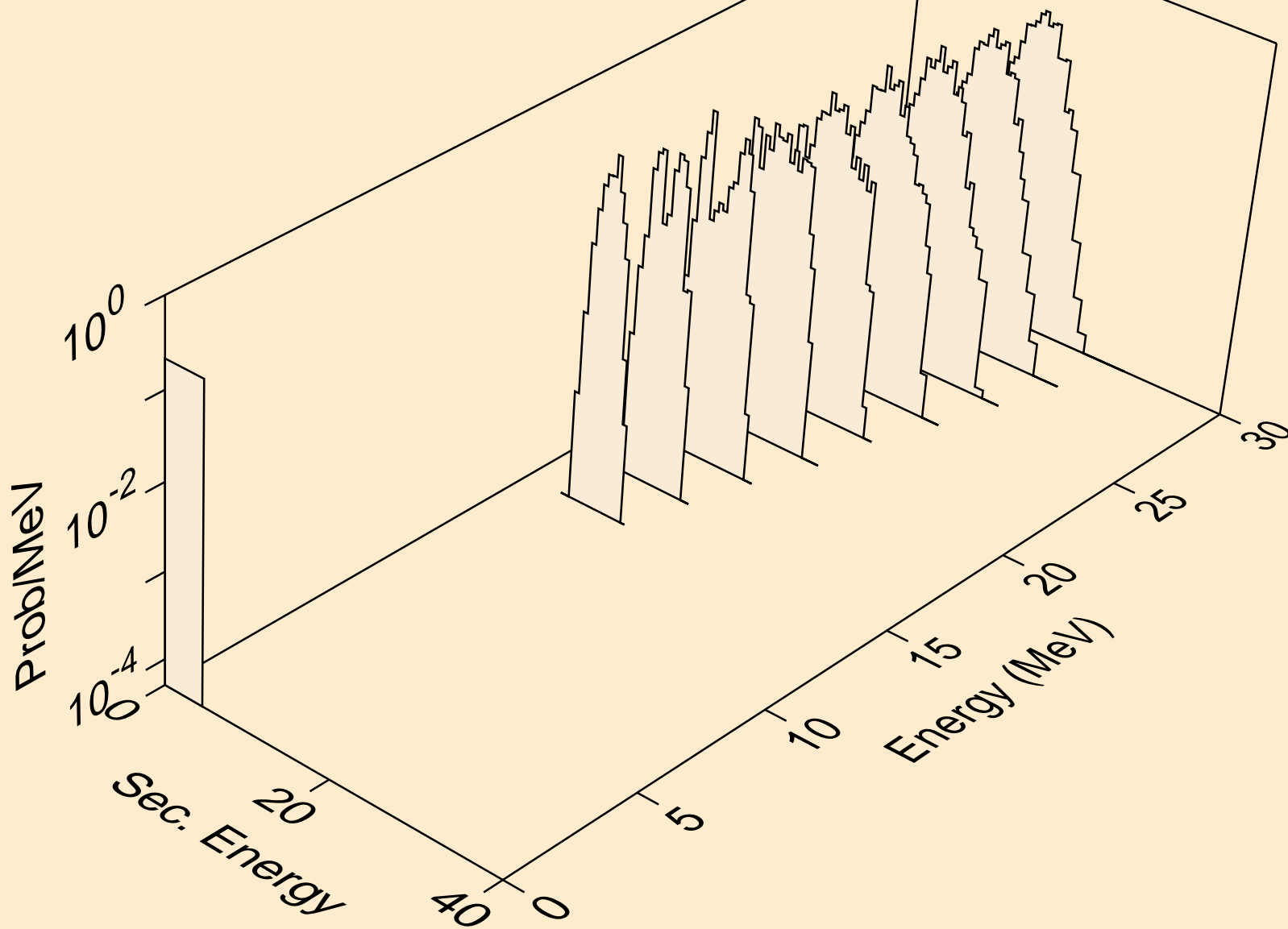
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a

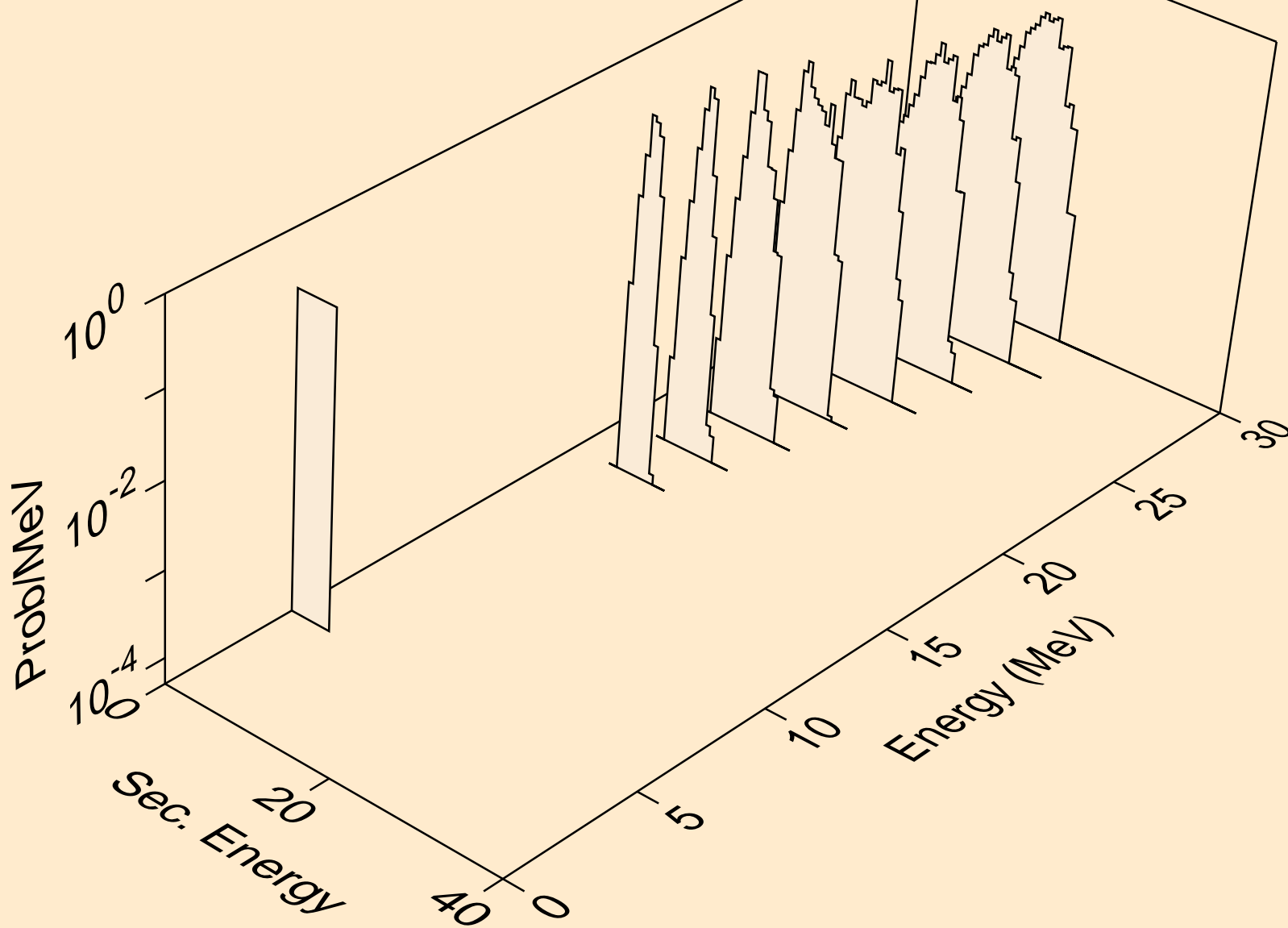


TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a

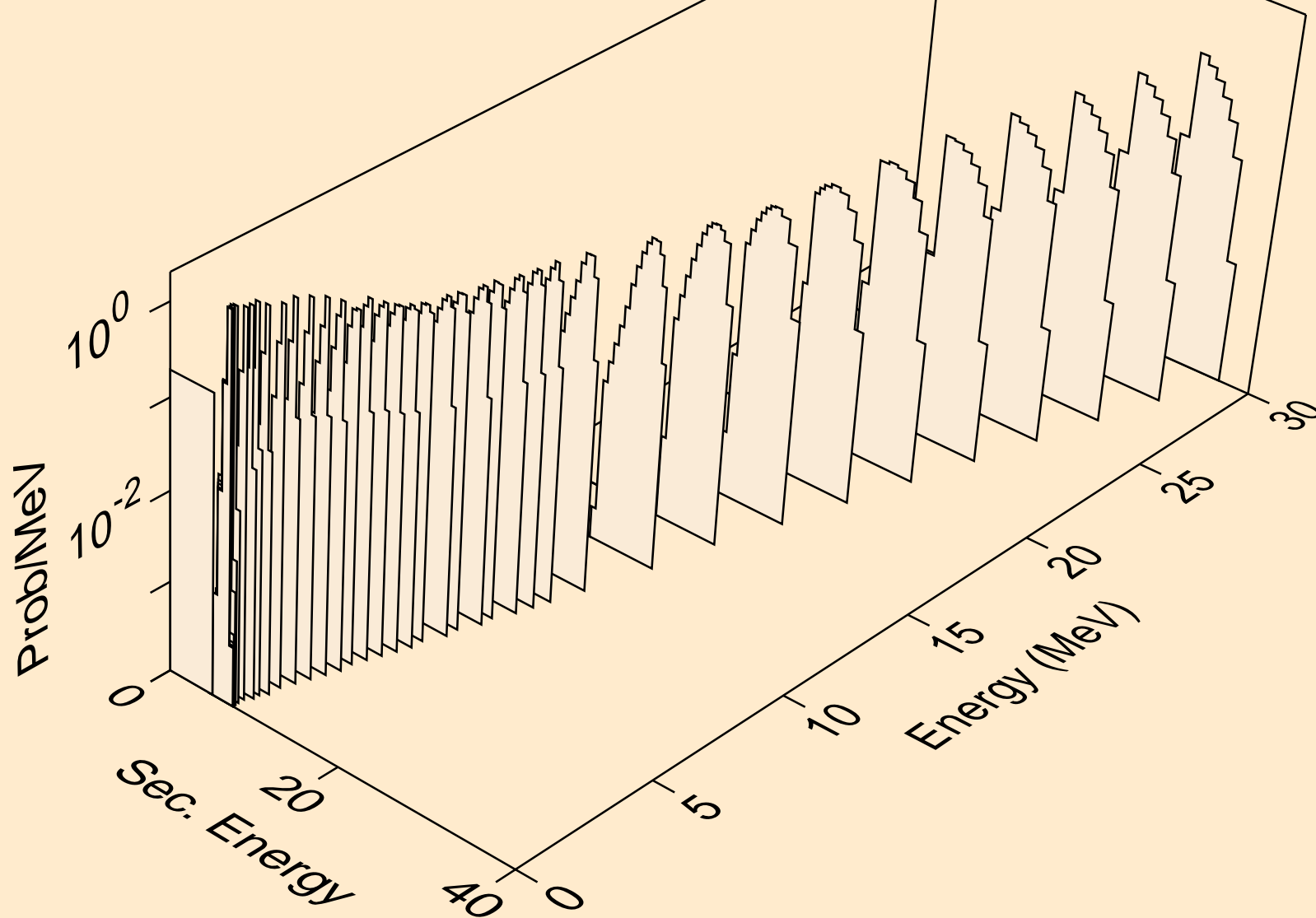




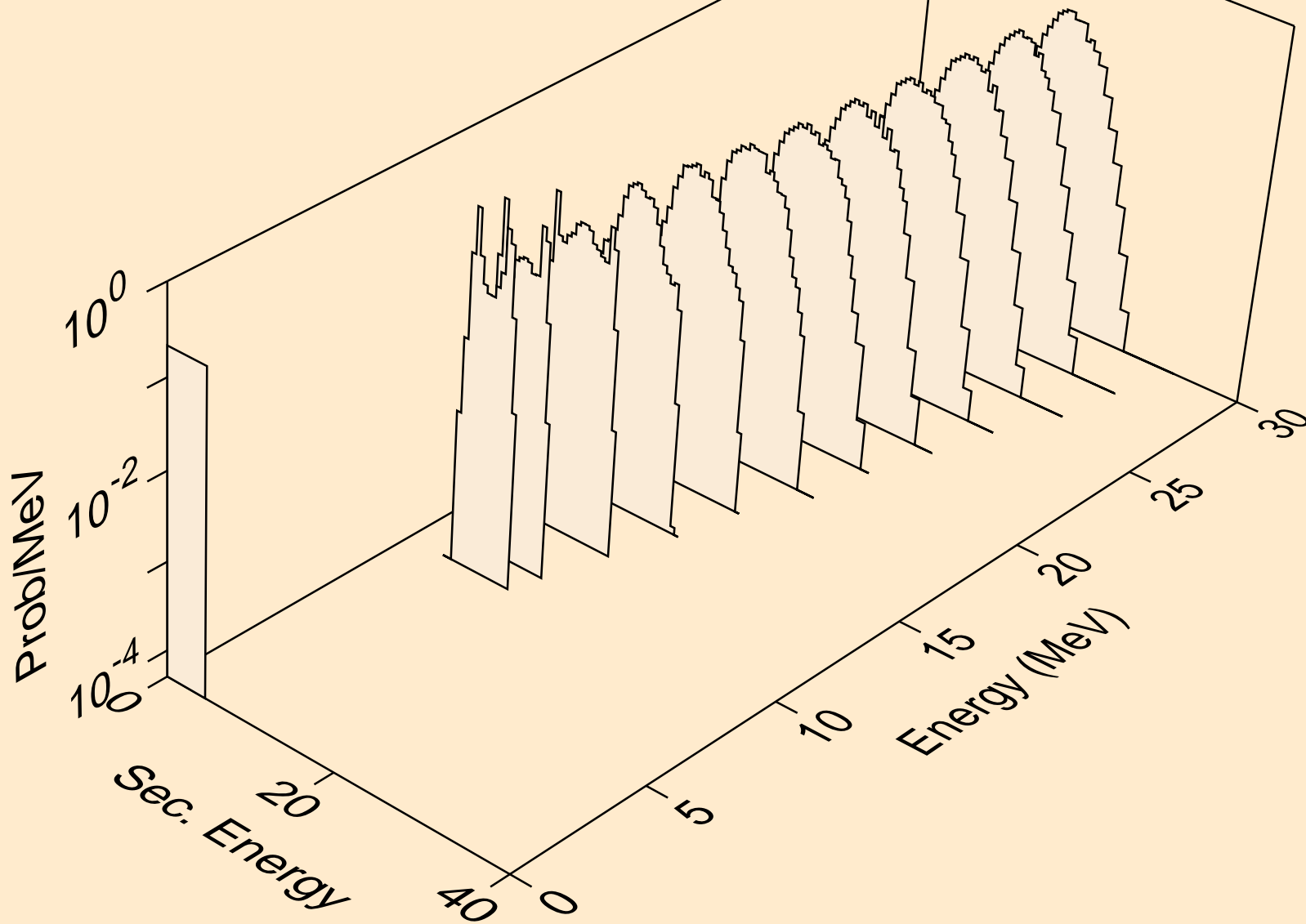
TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)



TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)



TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



TA181 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)

