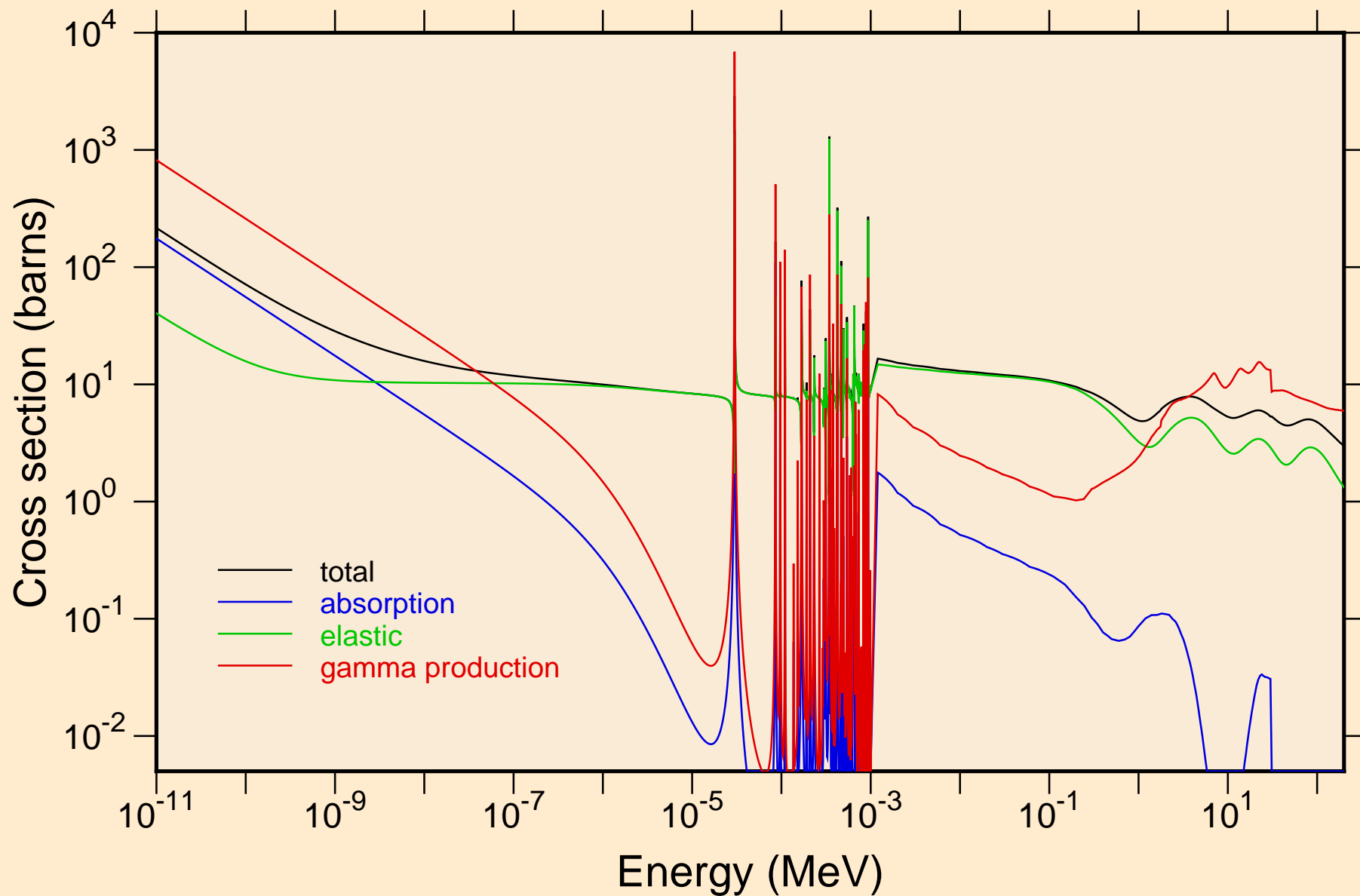
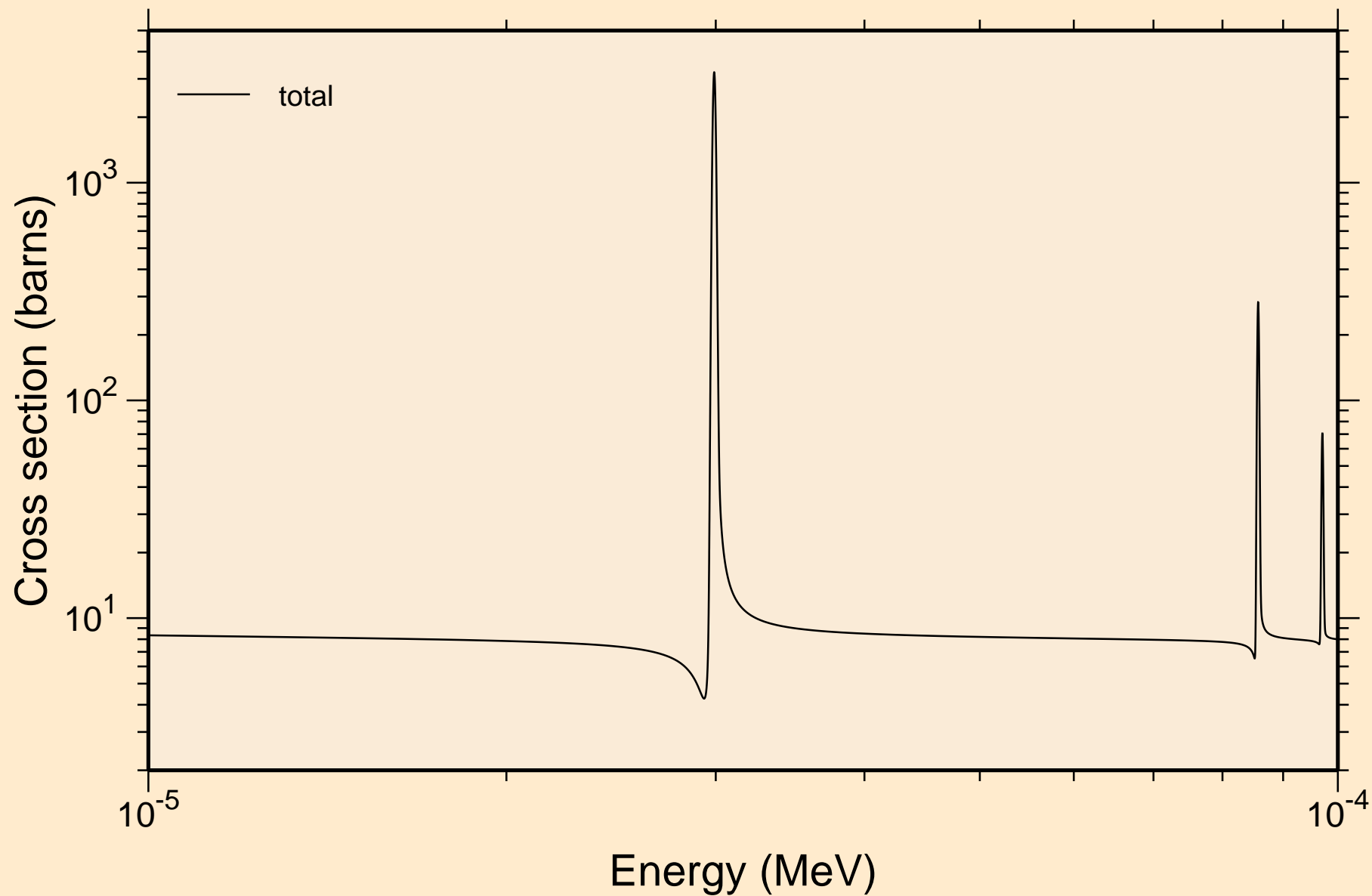


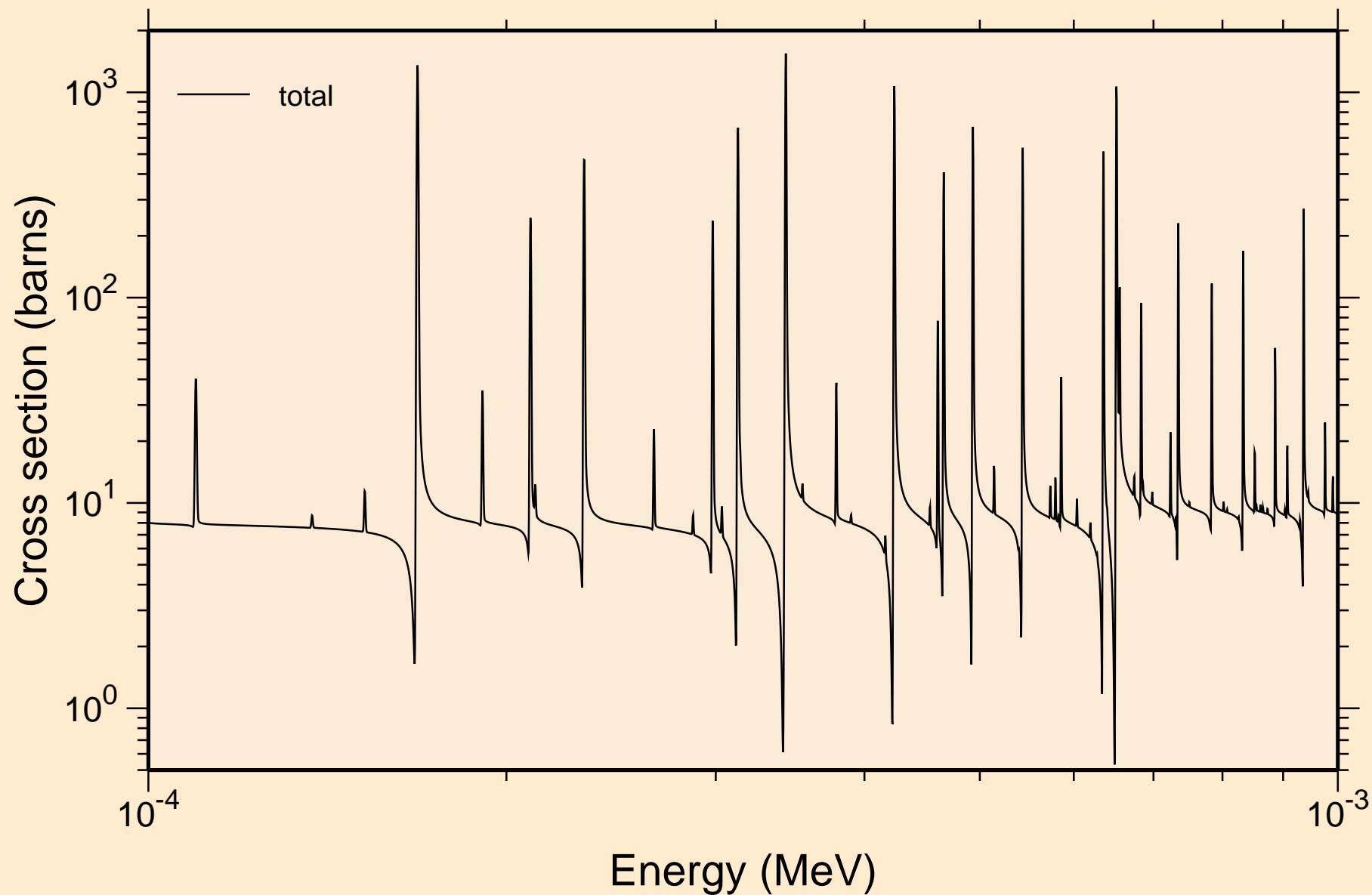
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



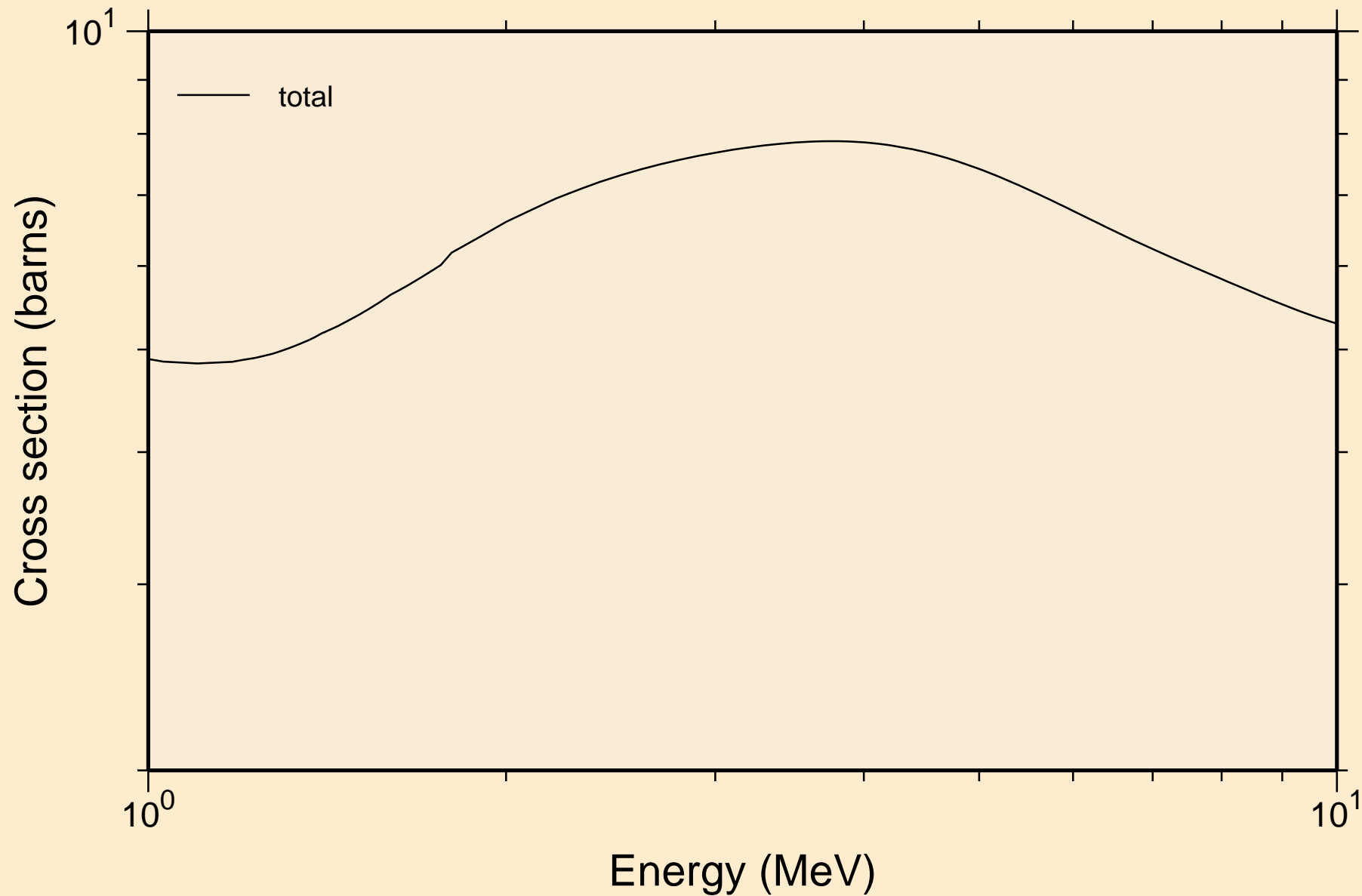
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resonance total cross section



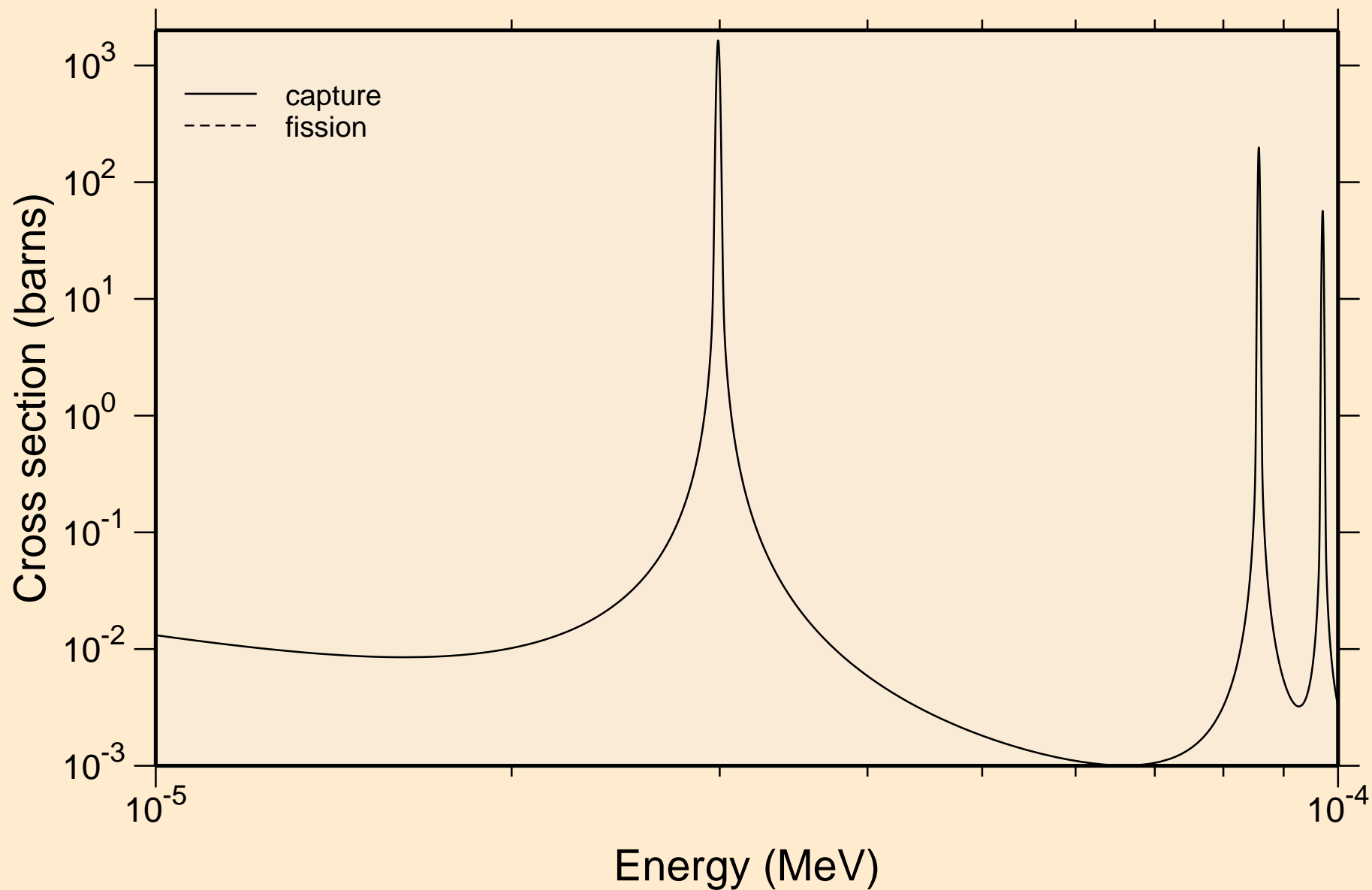
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resonance total cross section



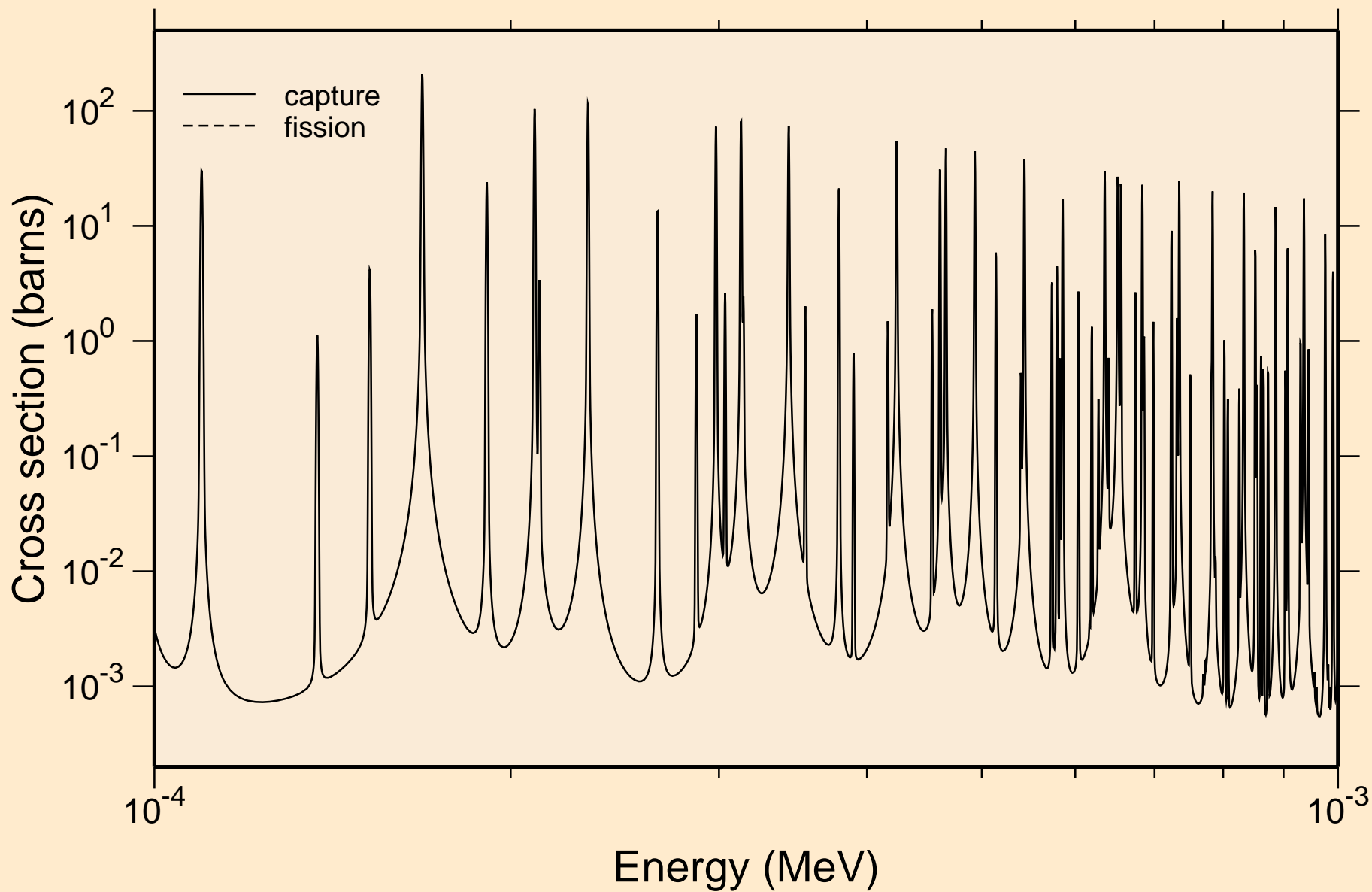
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resonance total cross section



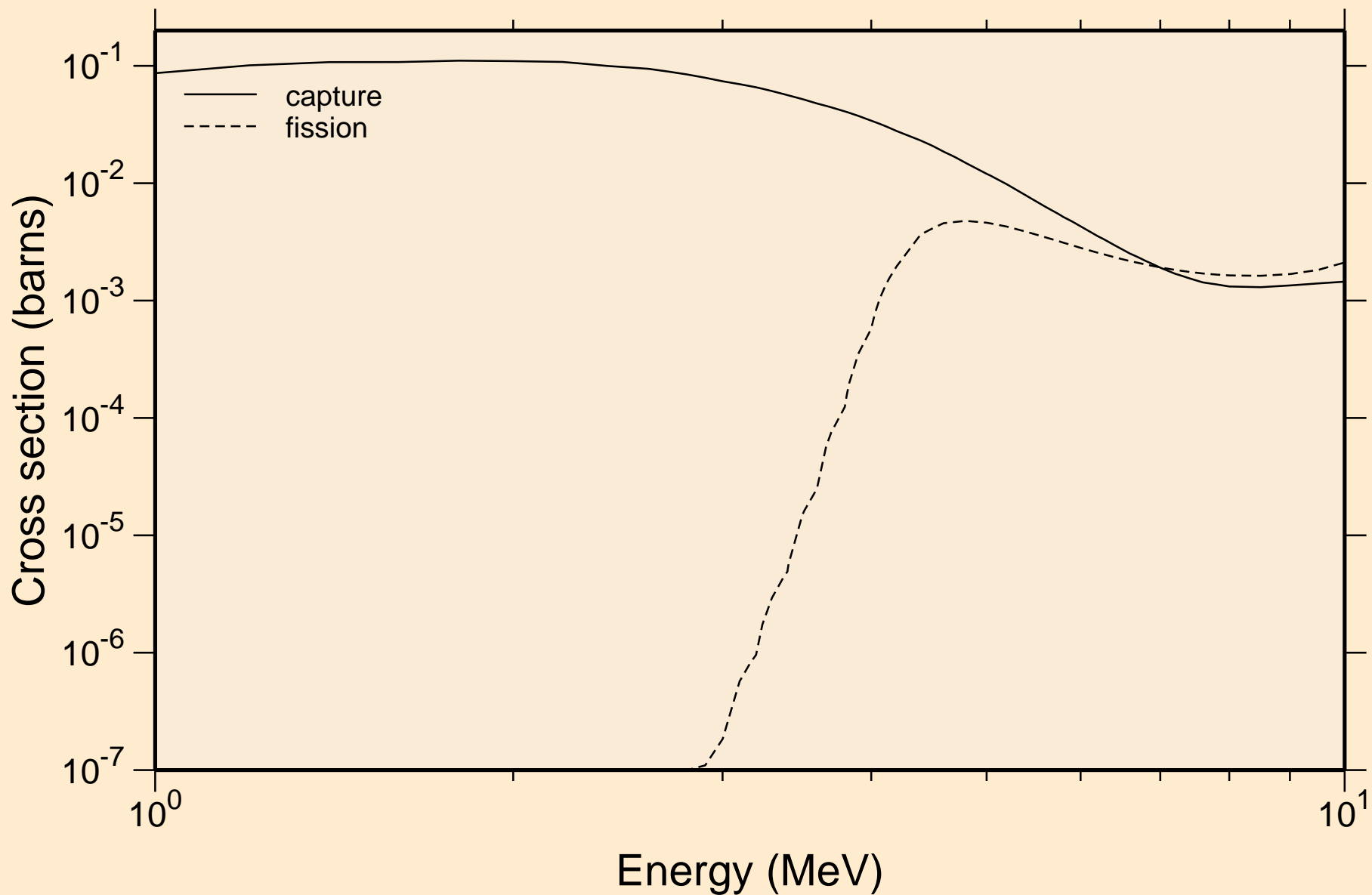
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



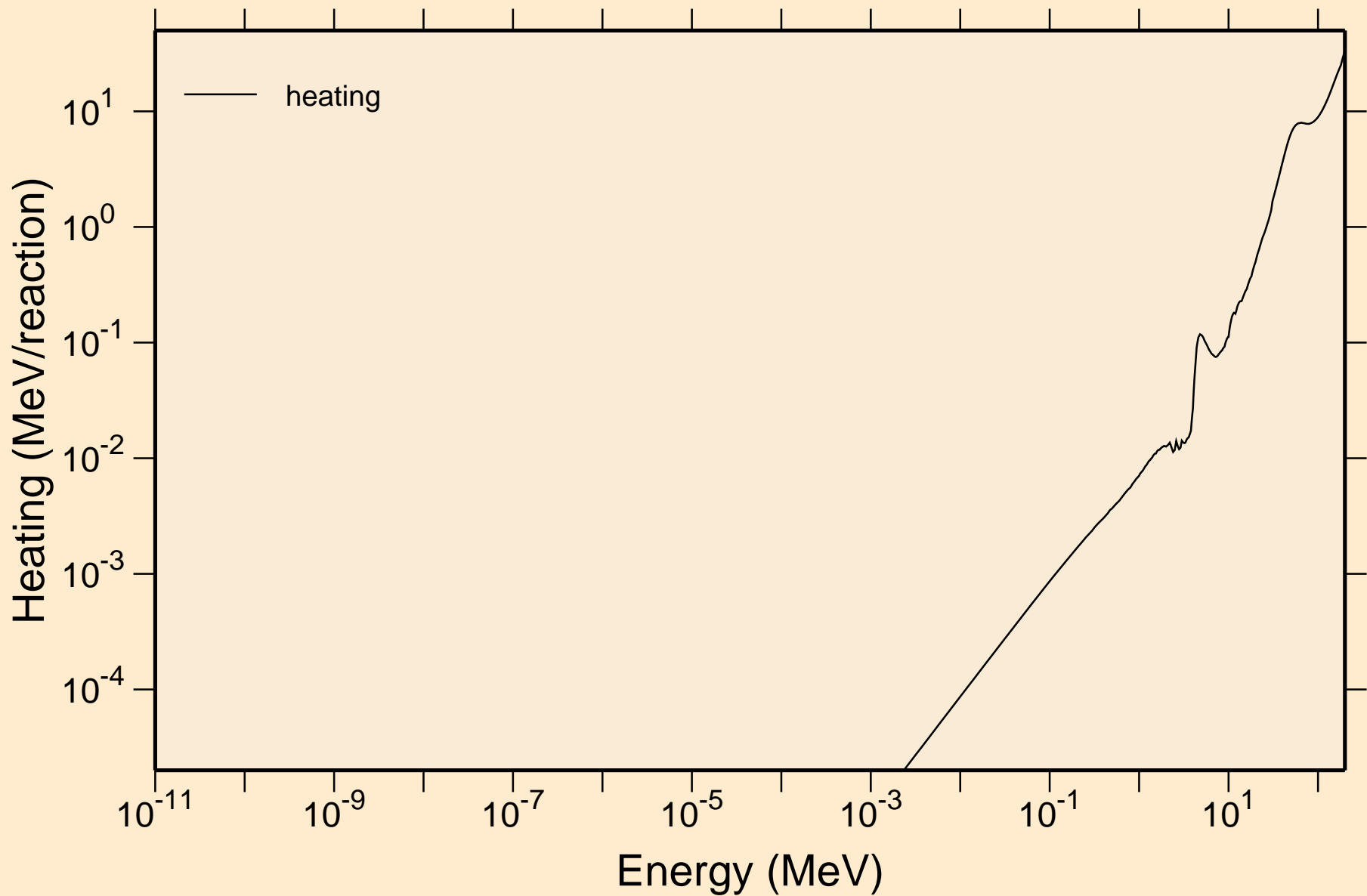
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

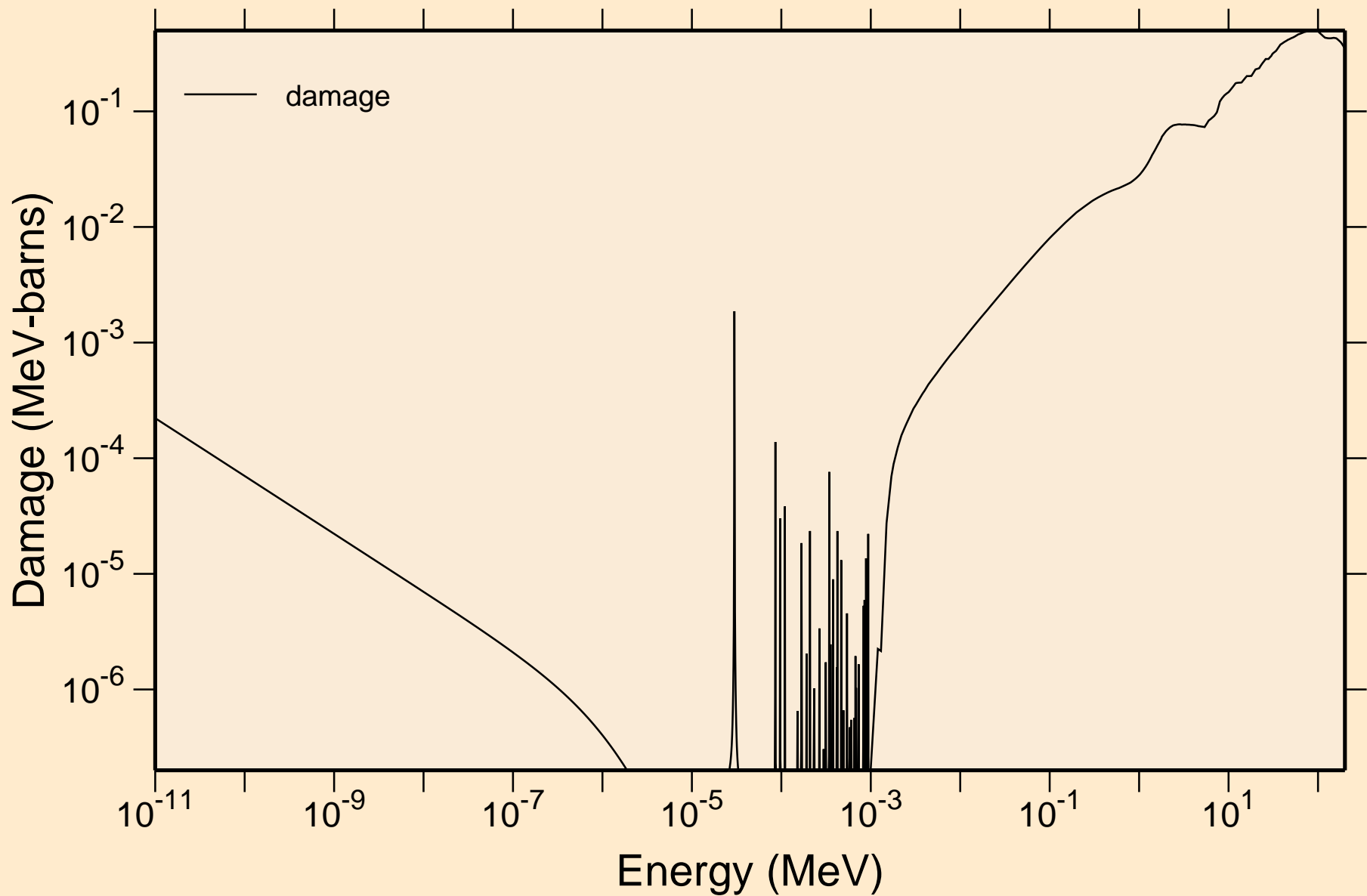


RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

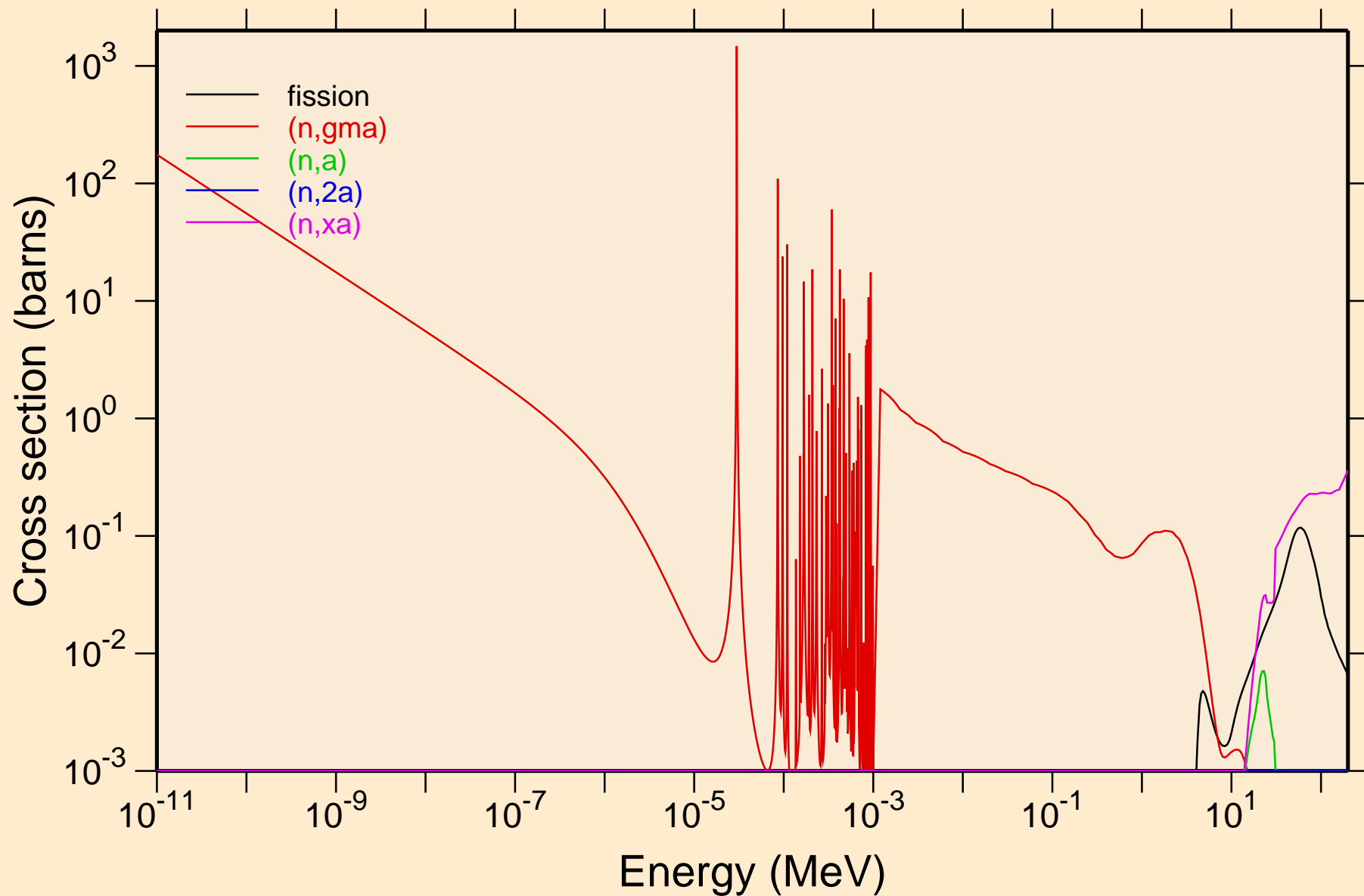




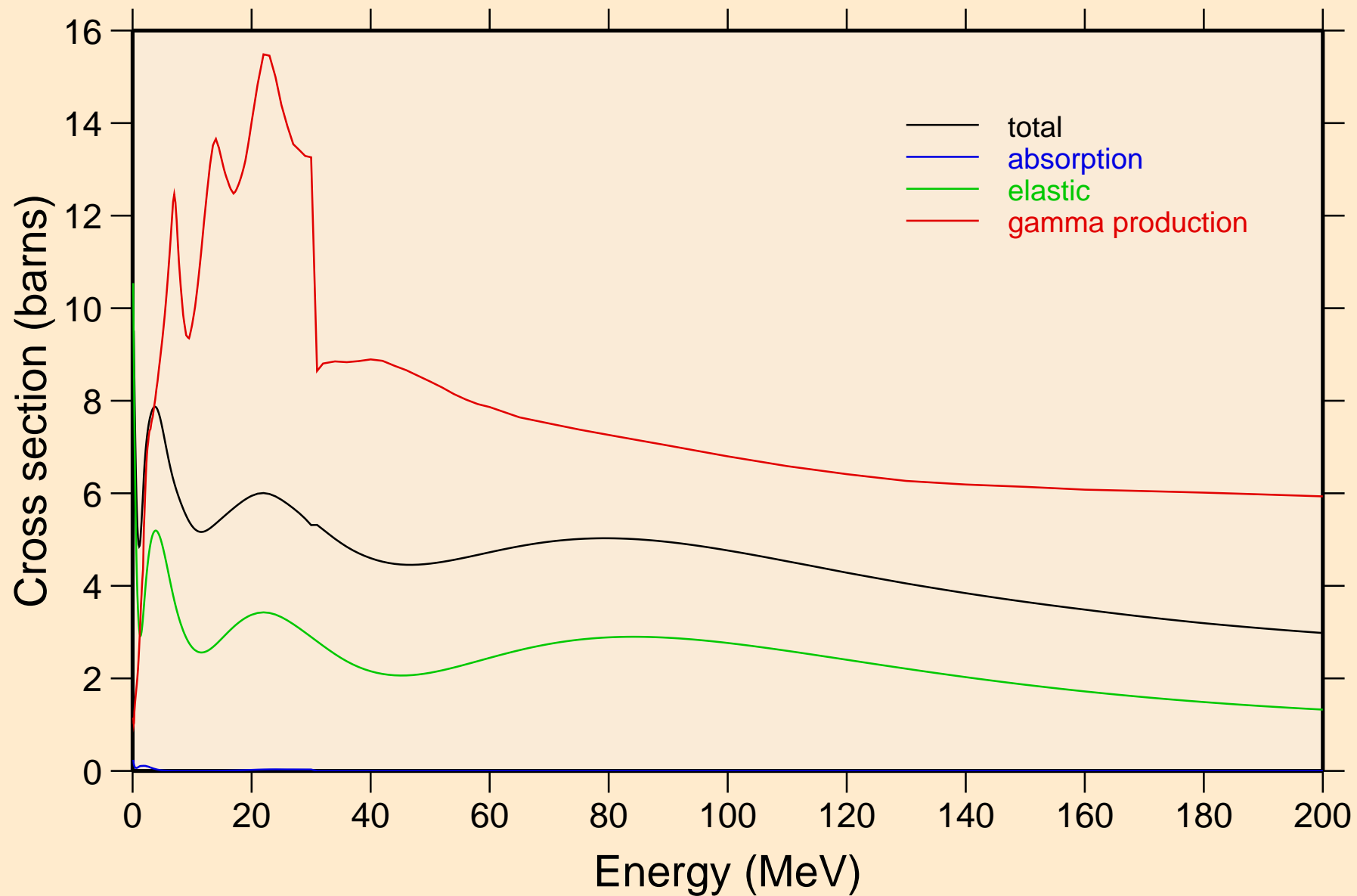
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



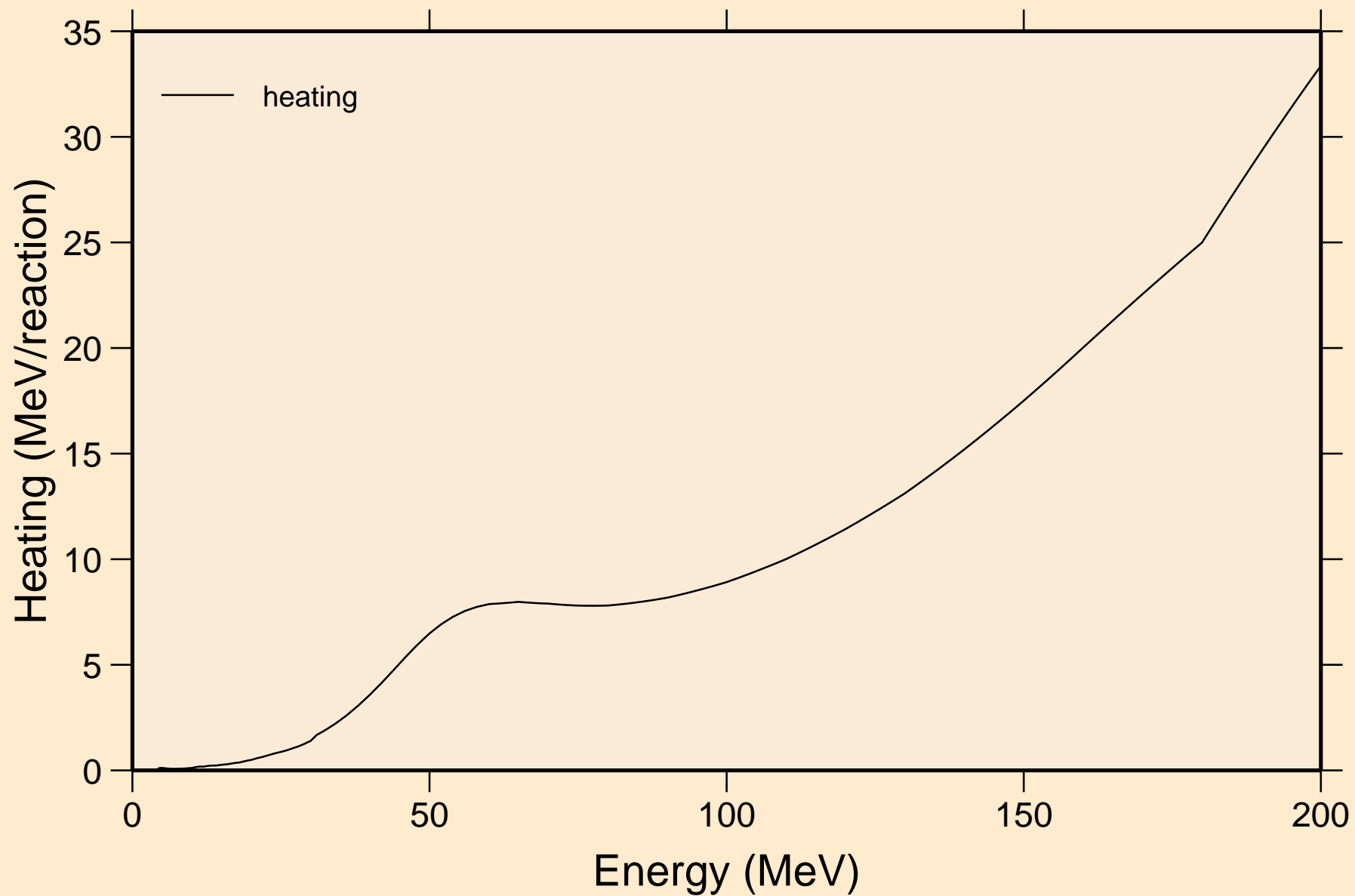
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



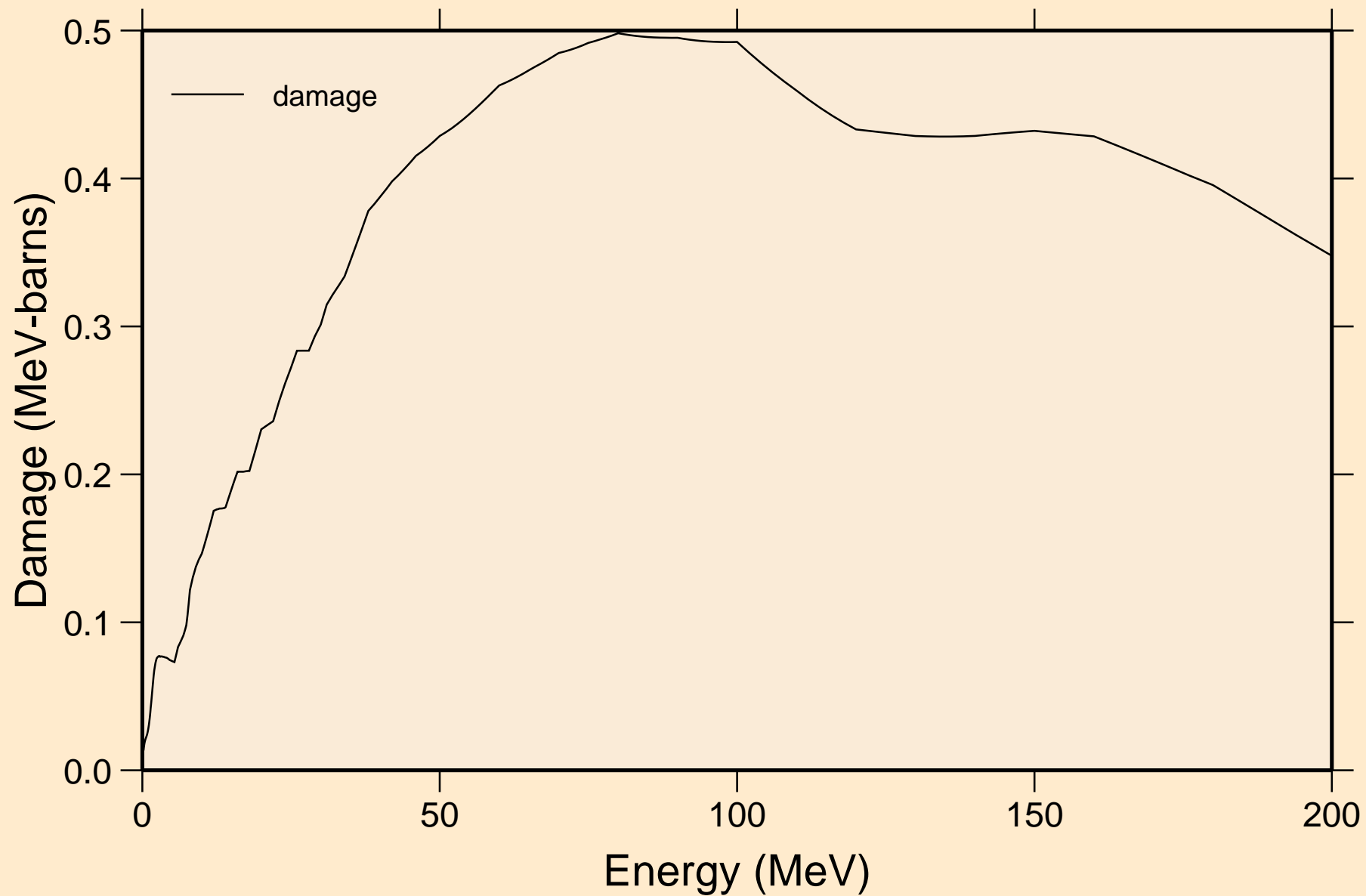
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Principal cross sections



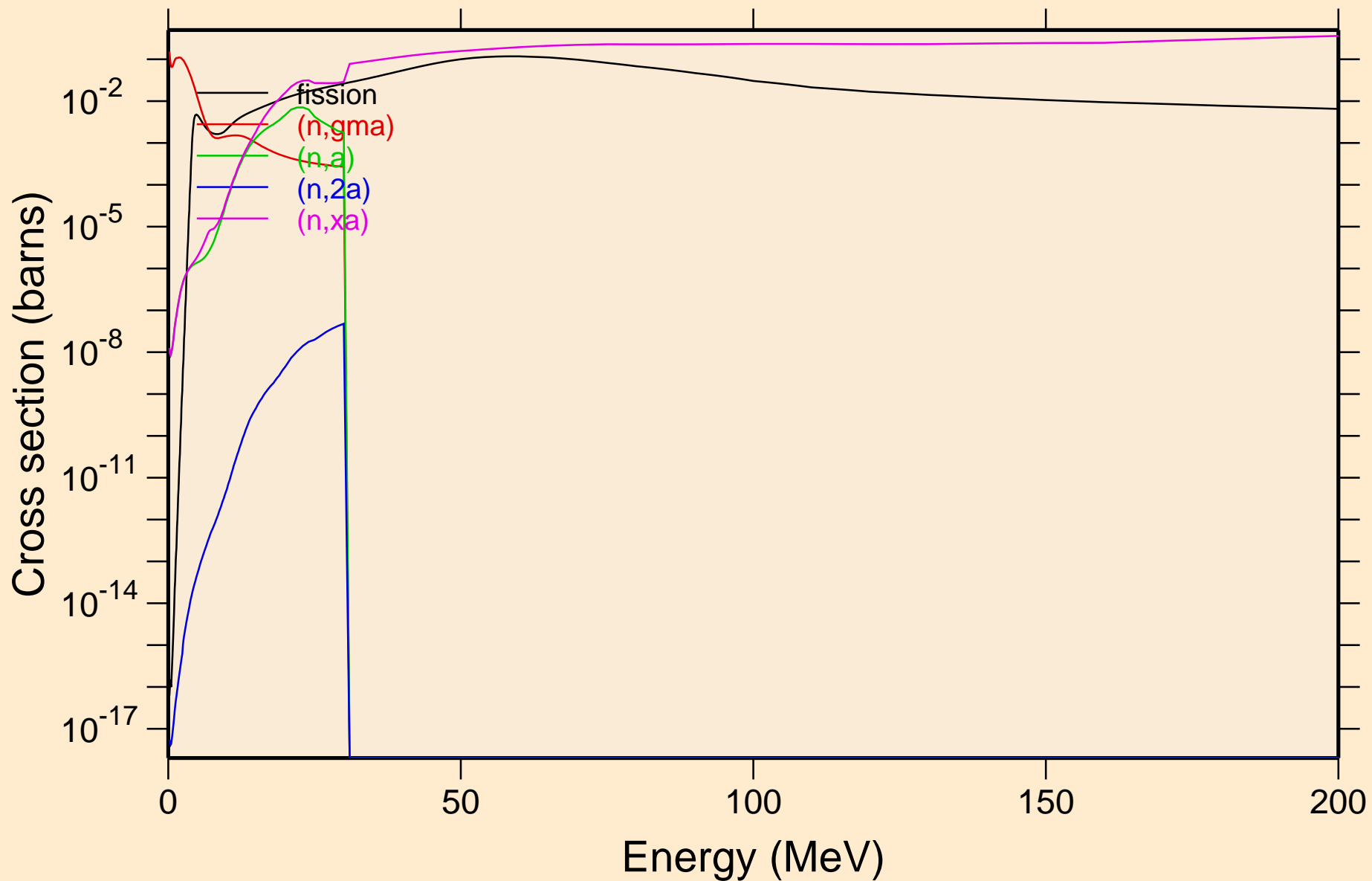
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



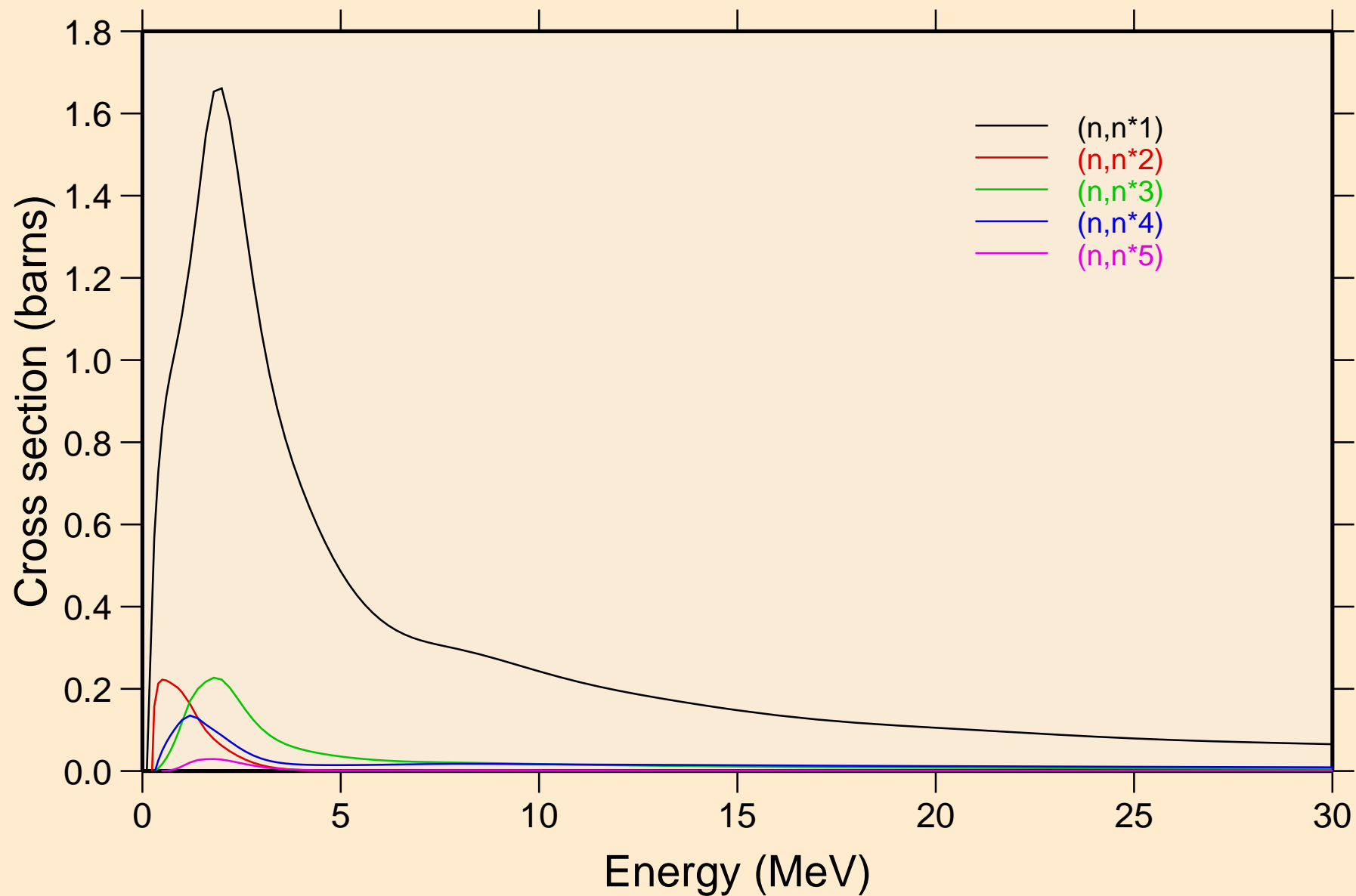
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Damage



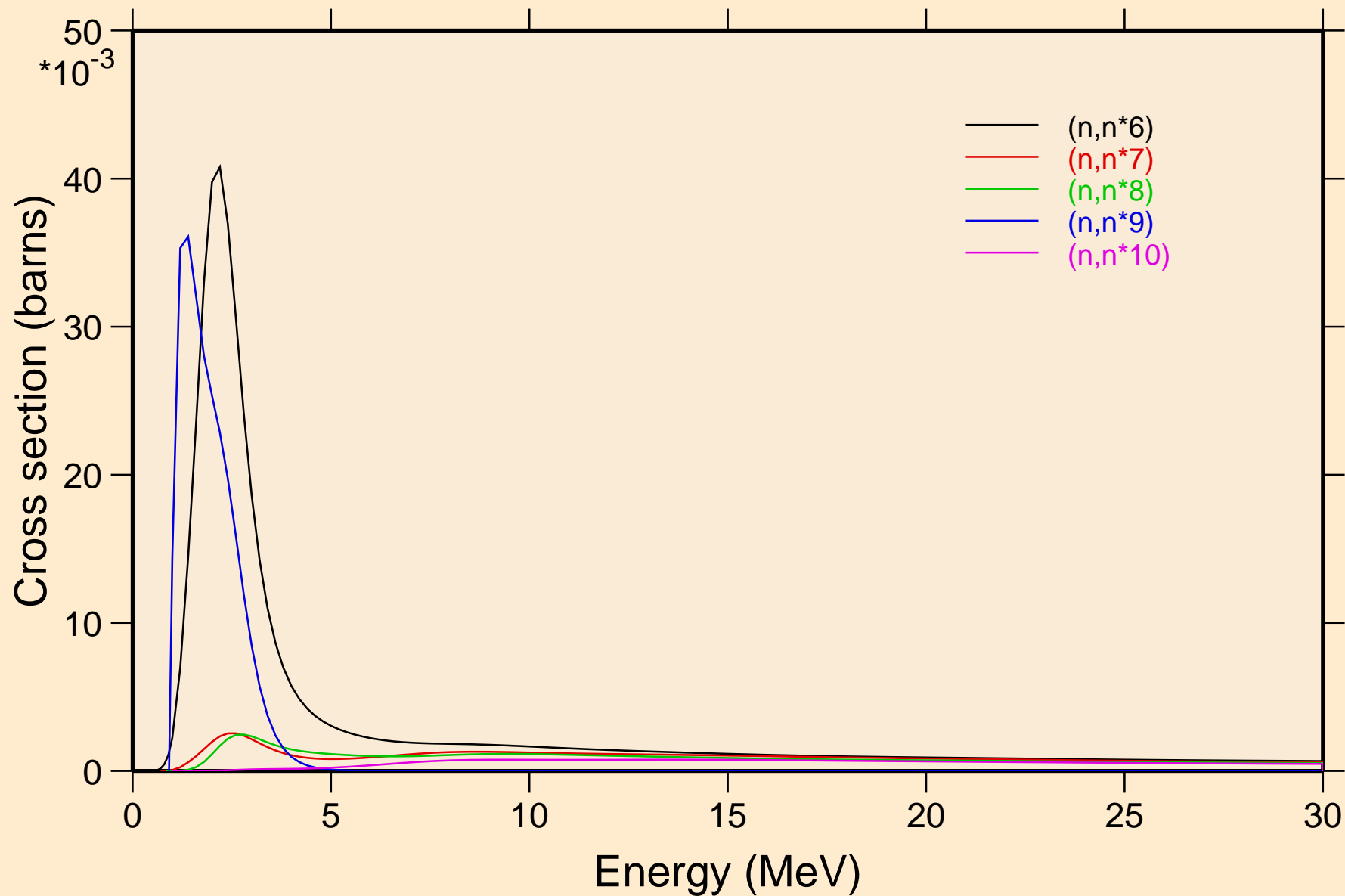
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

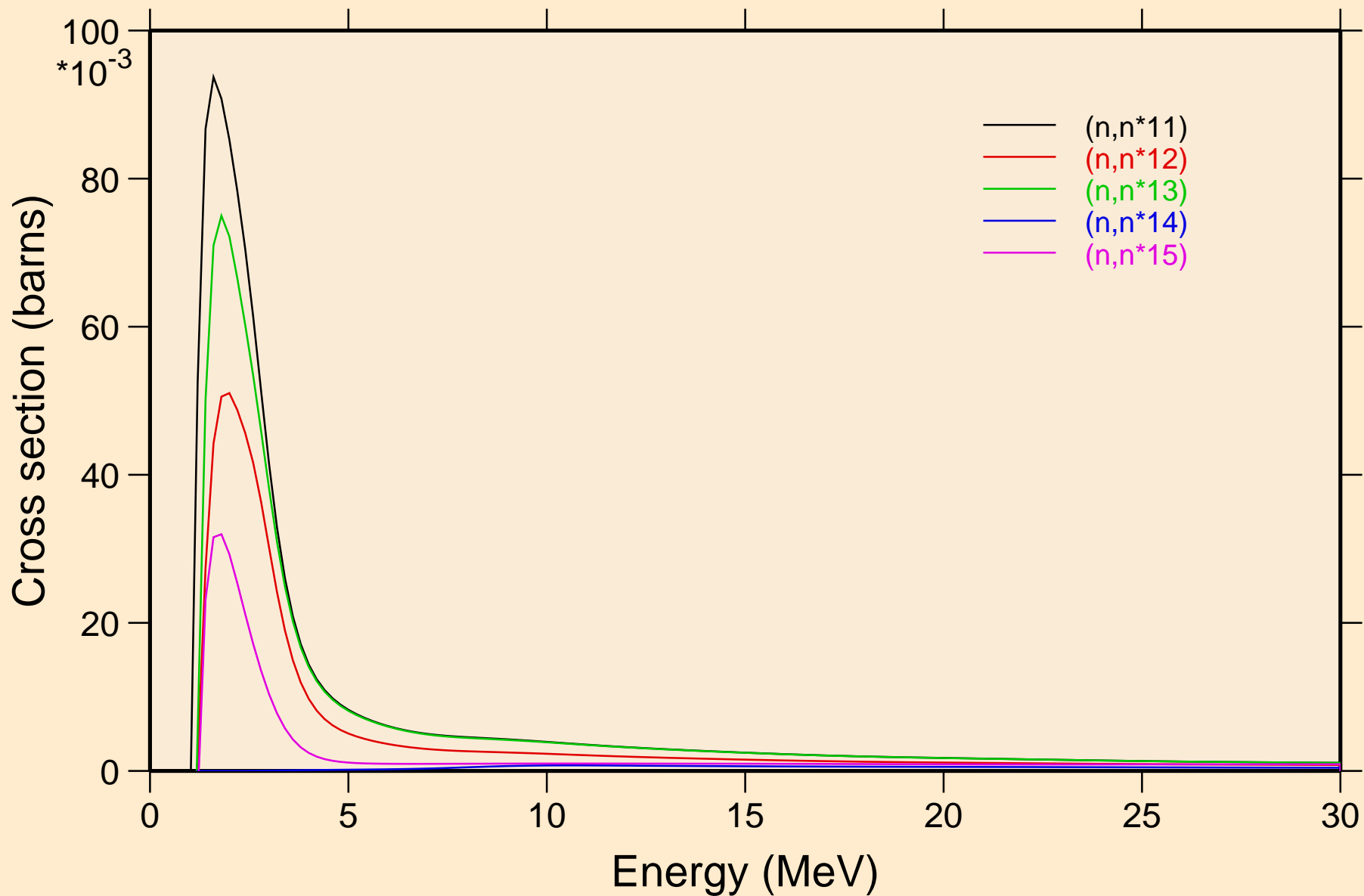


RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

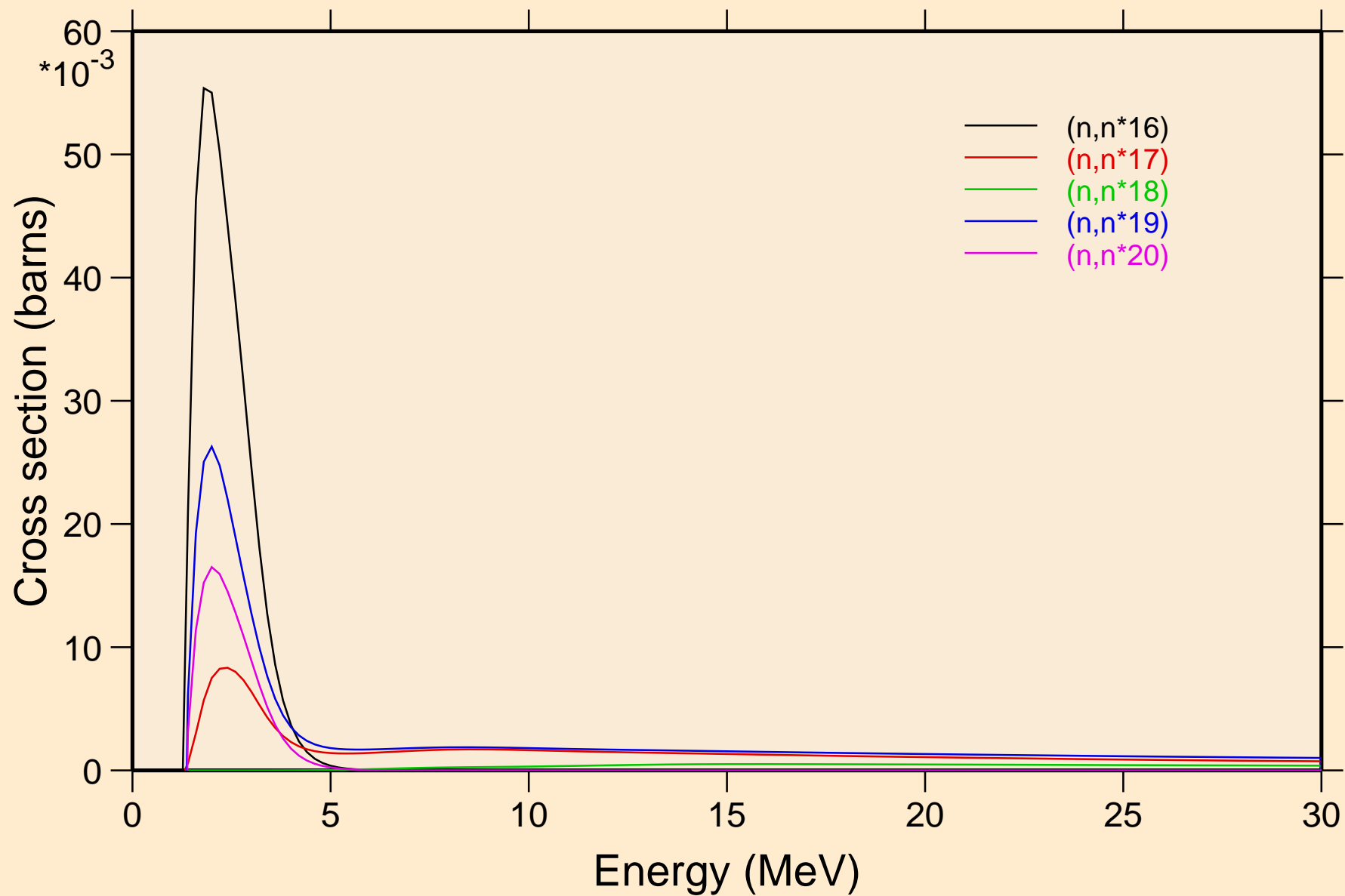




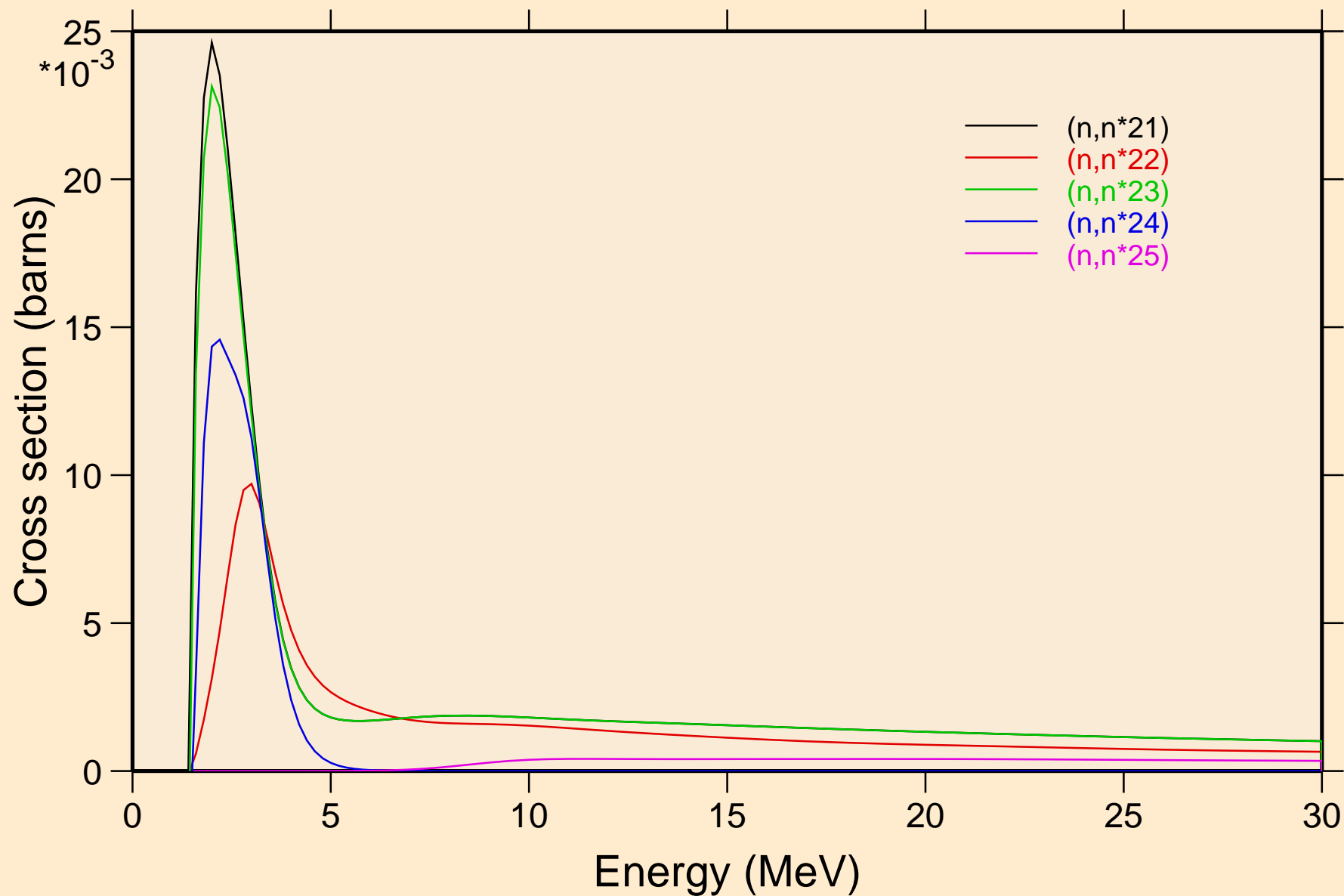
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



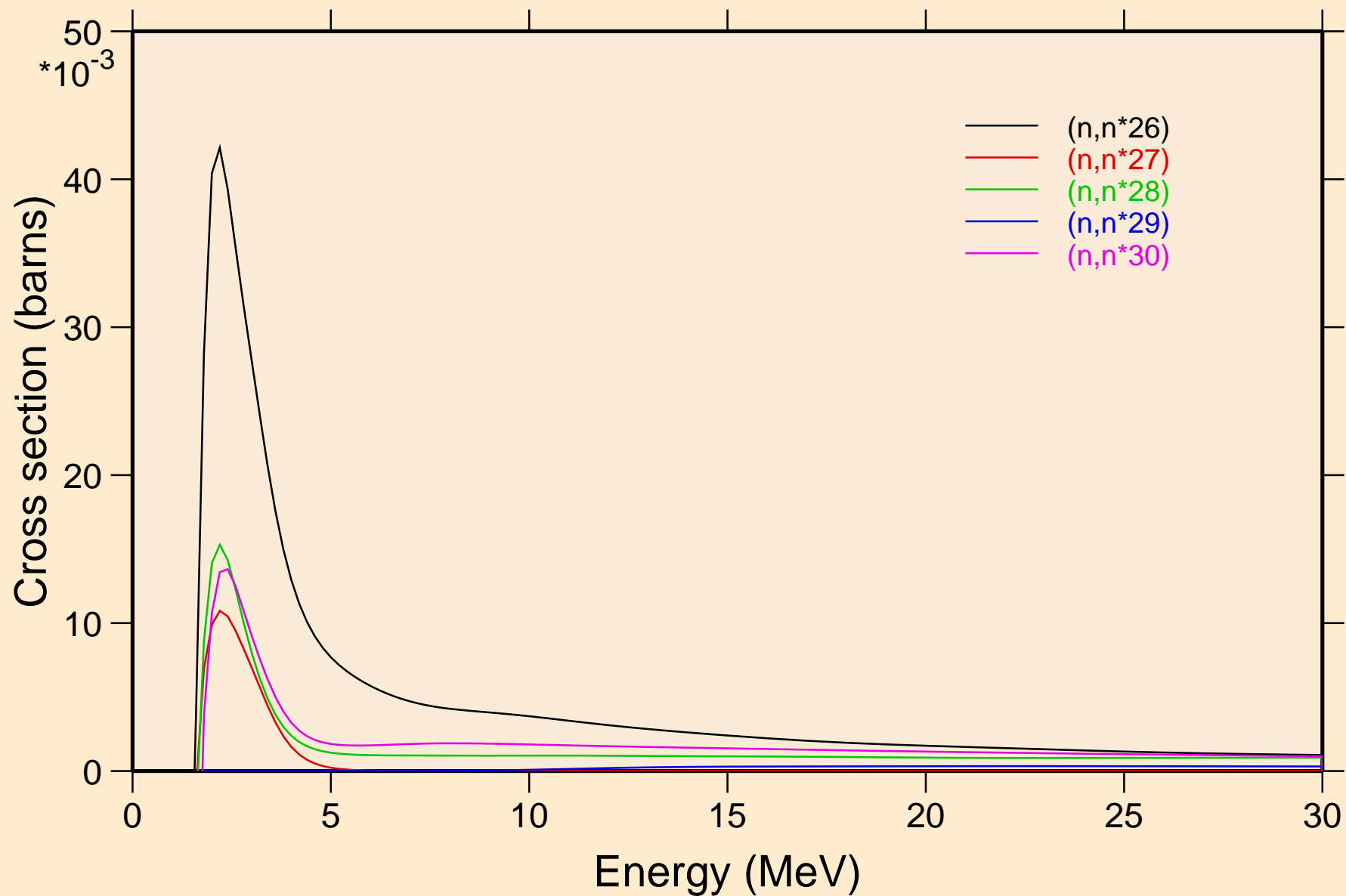
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Inelastic levels



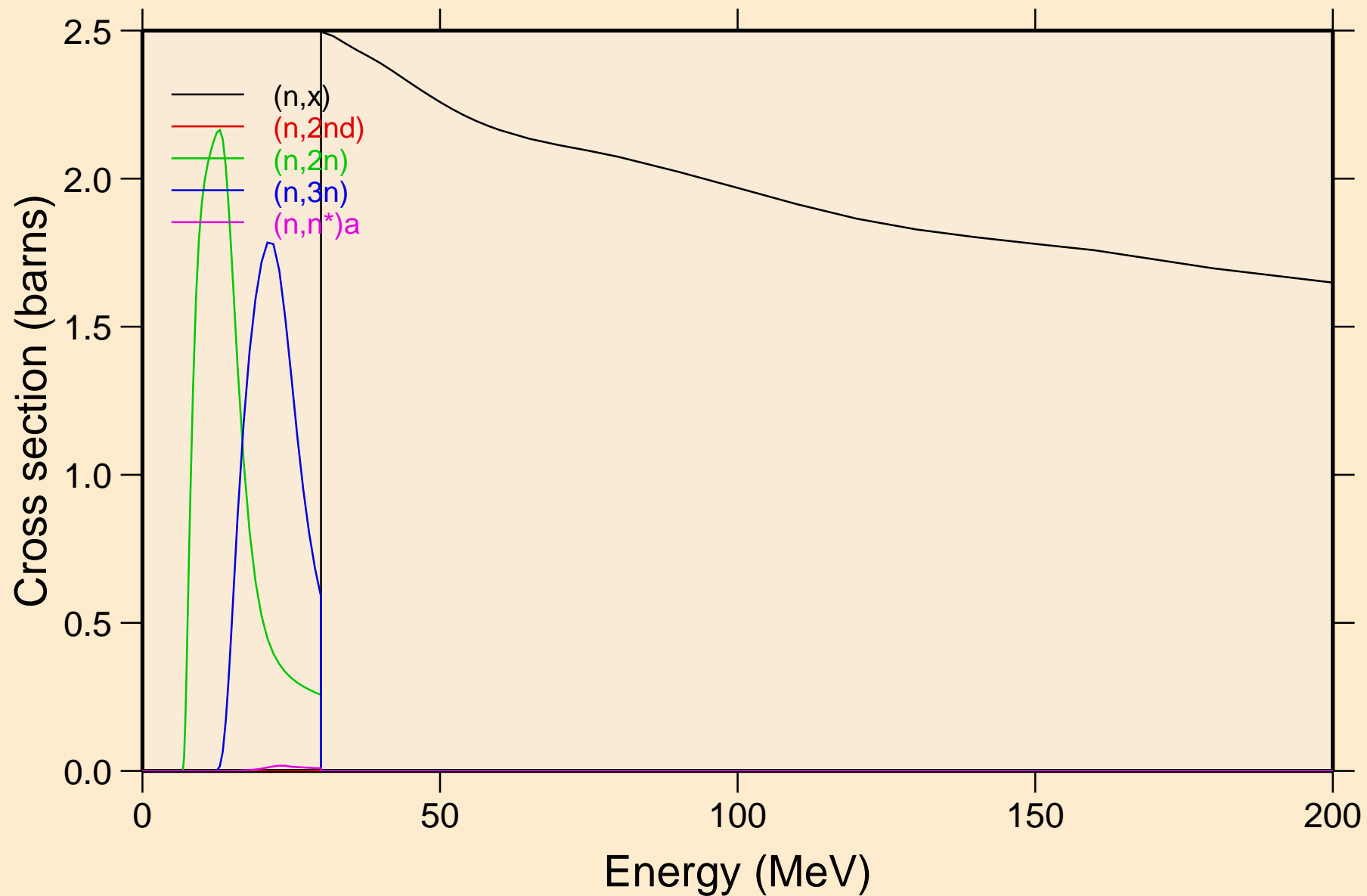
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



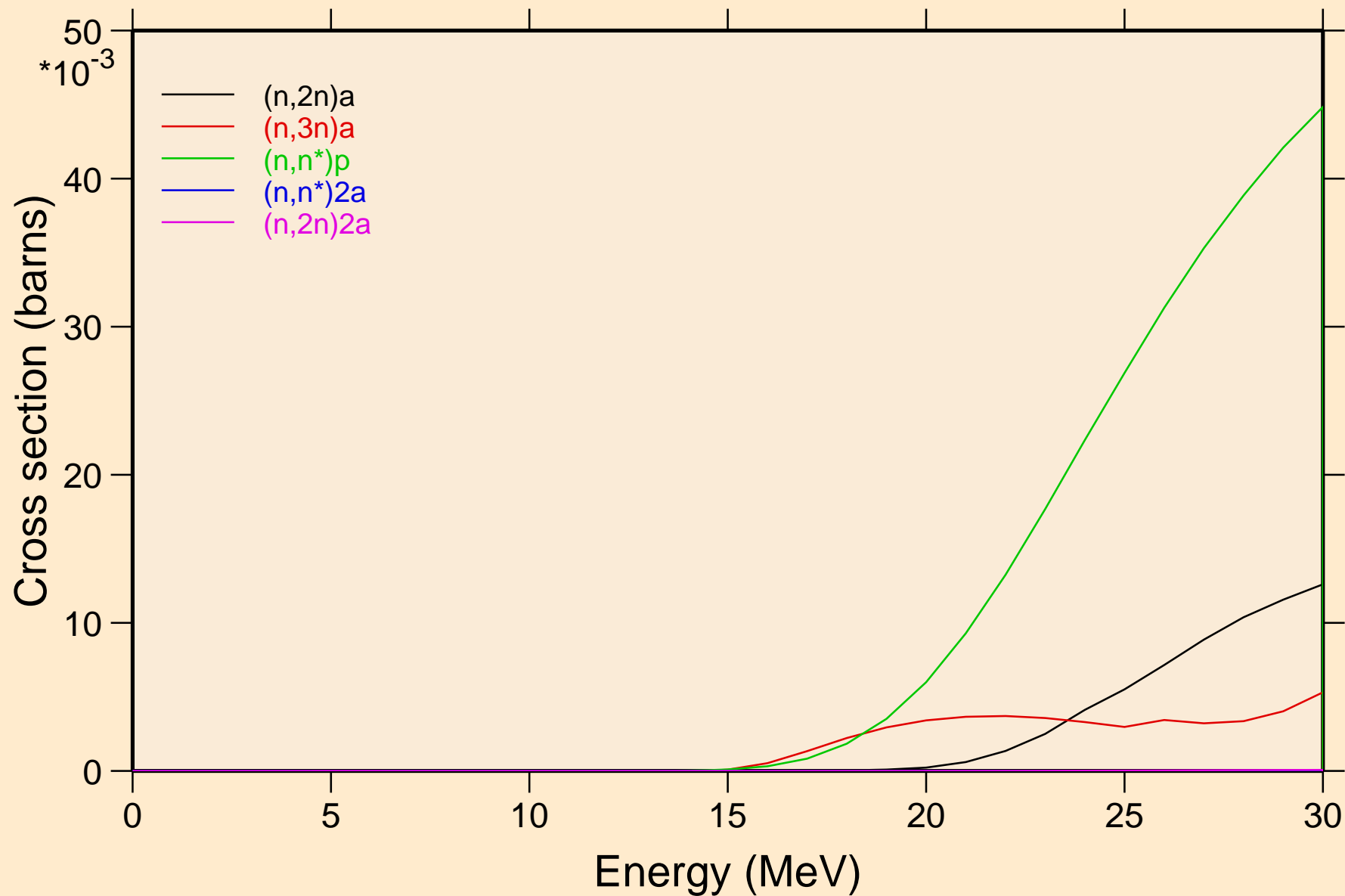
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Inelastic levels



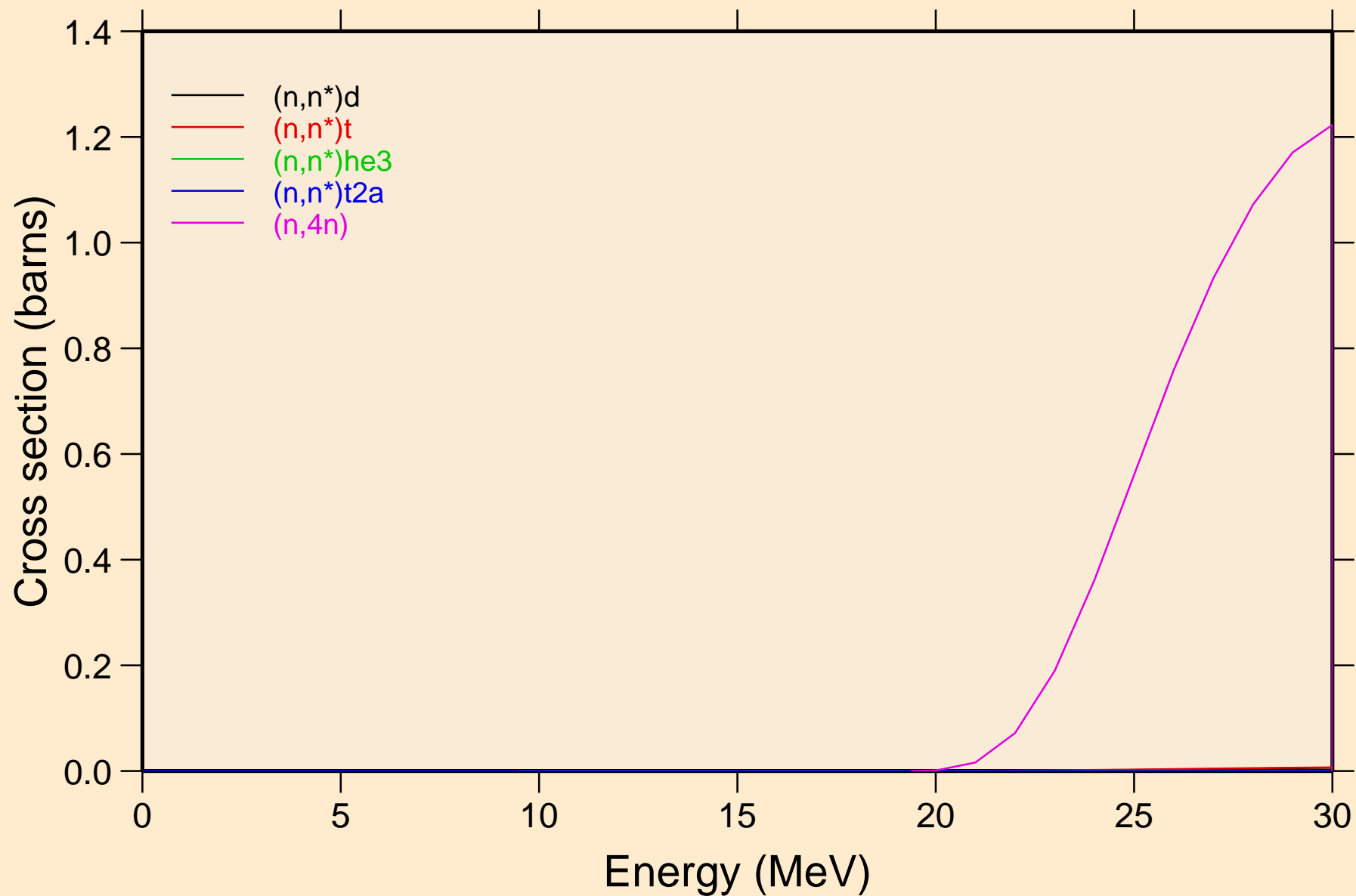
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



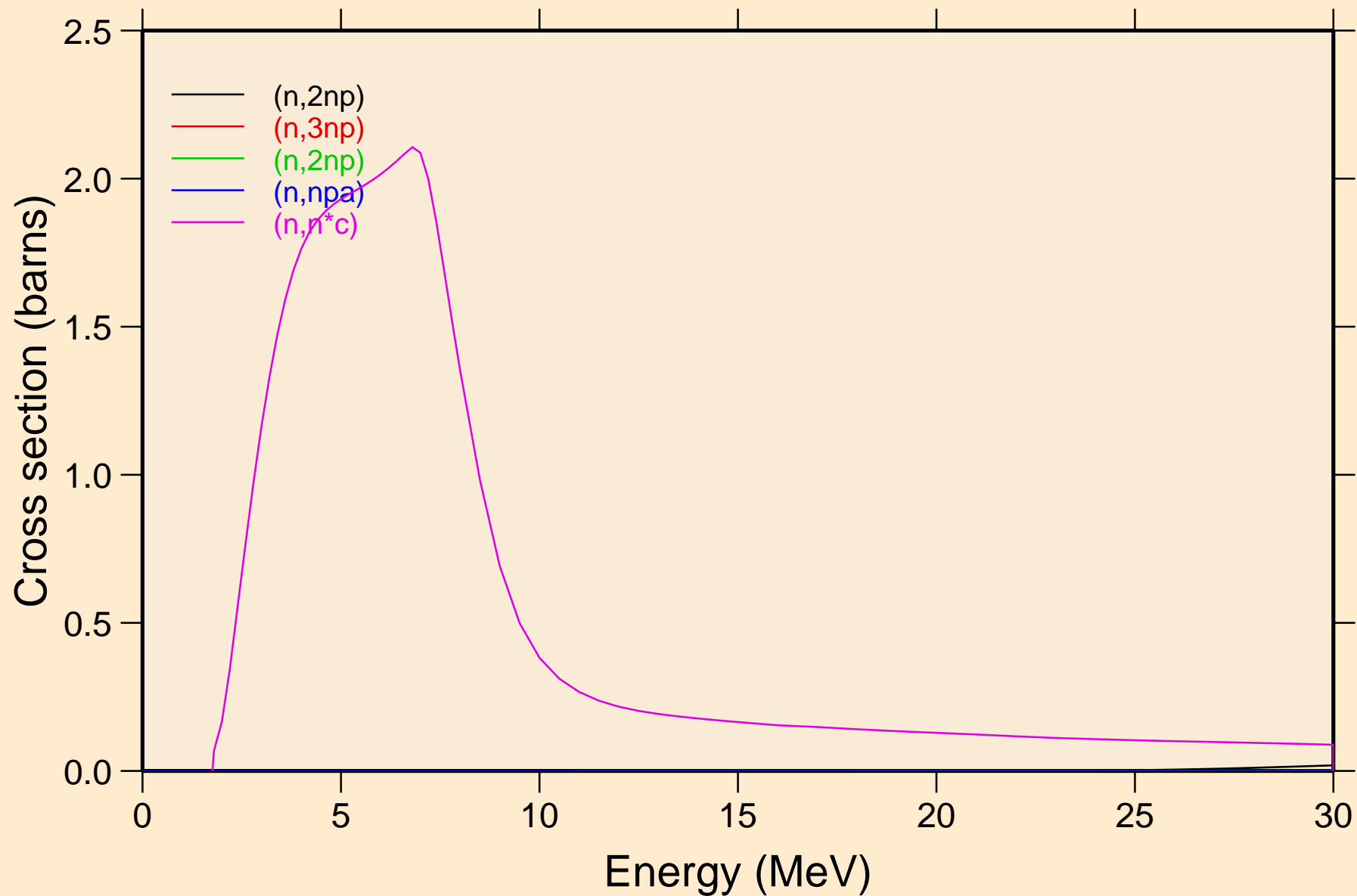
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

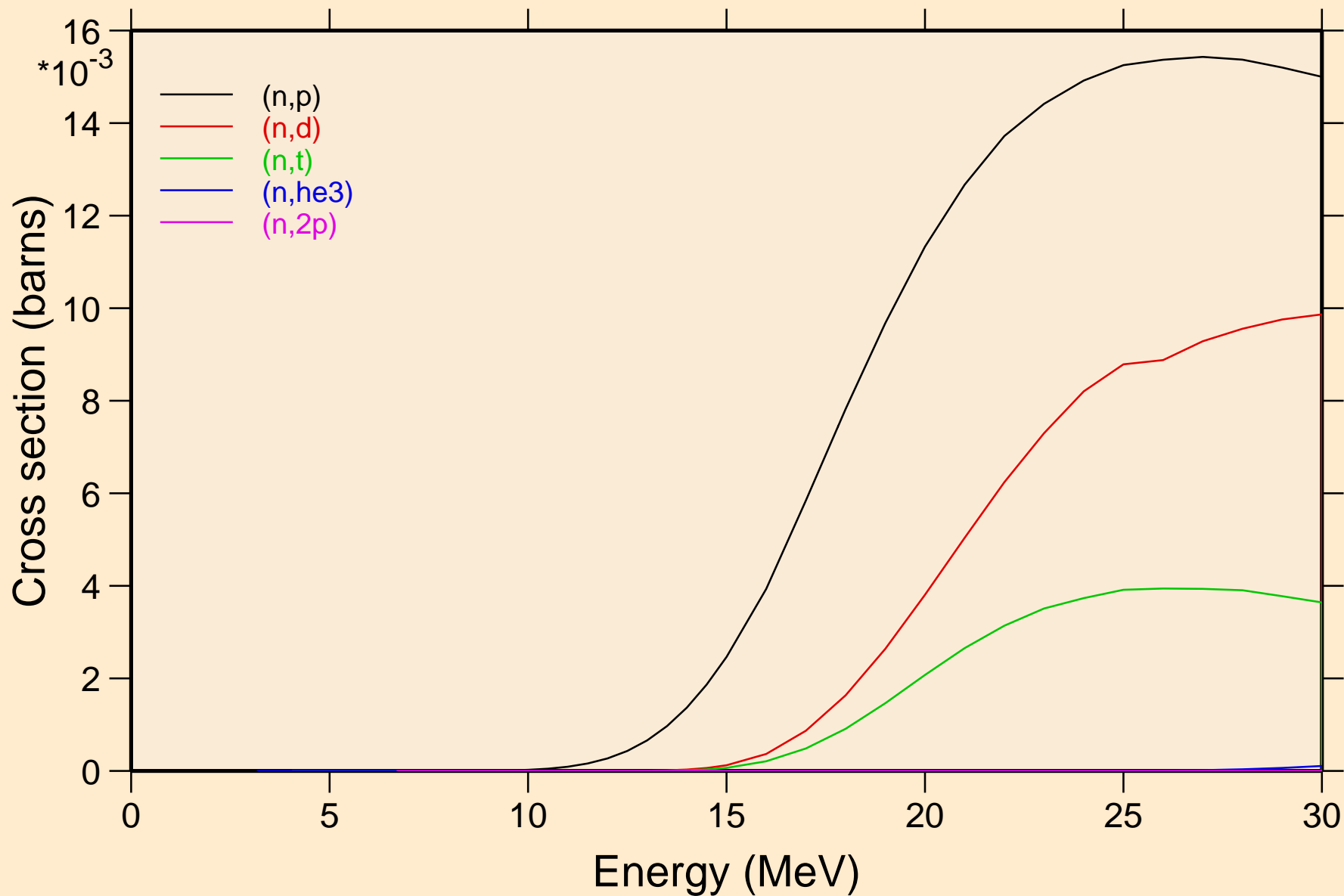


RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

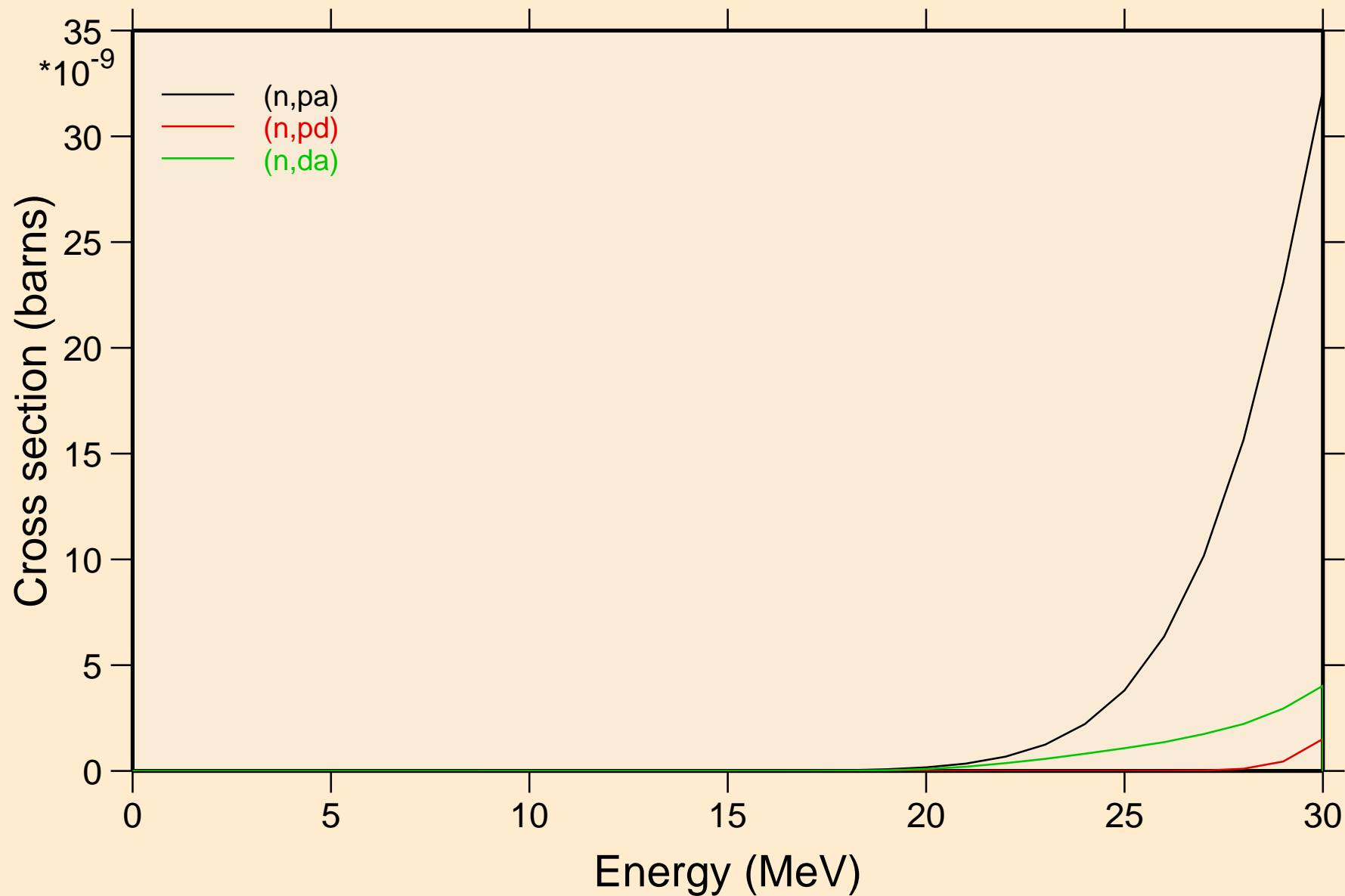




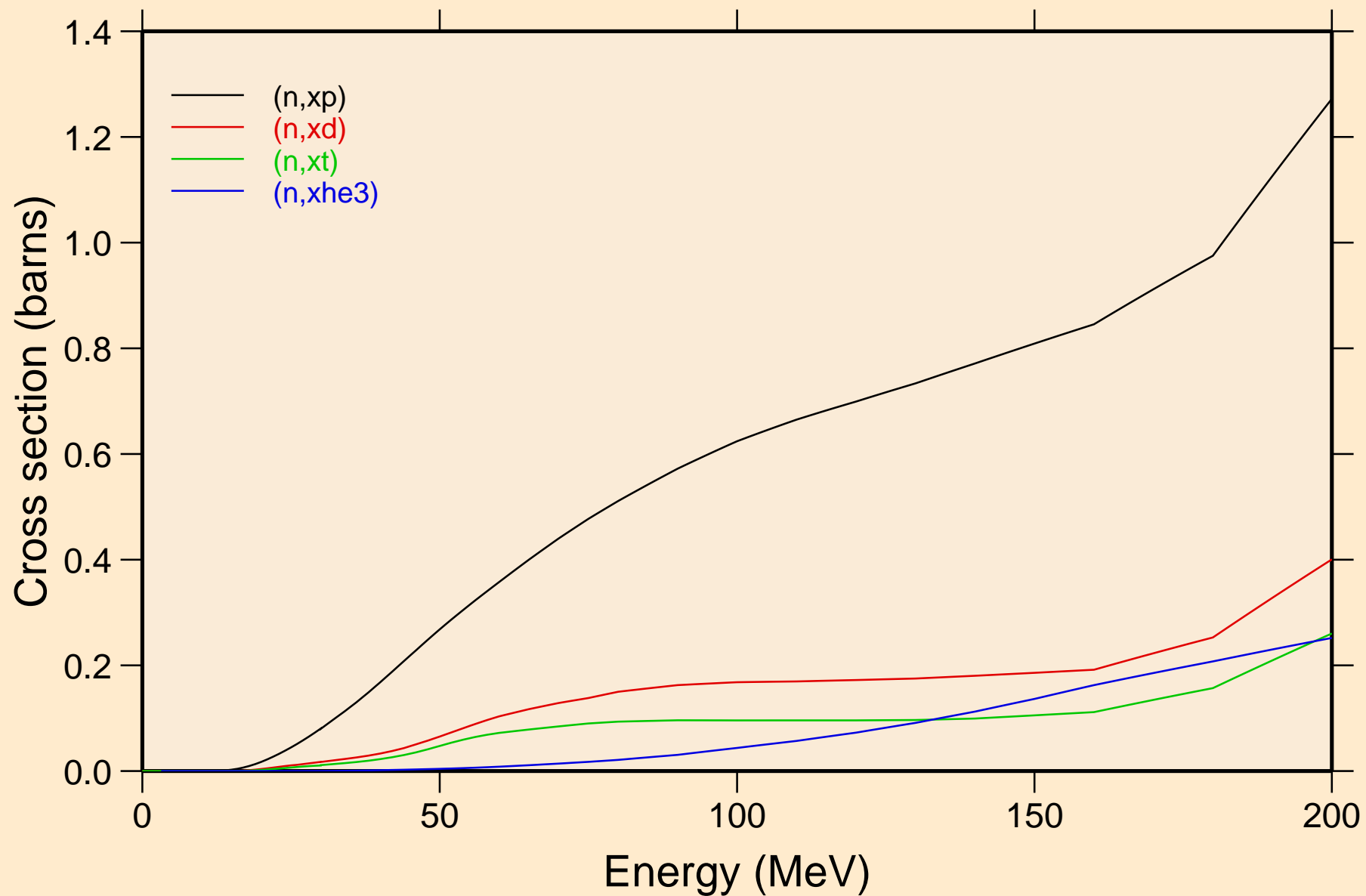
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Threshold reactions



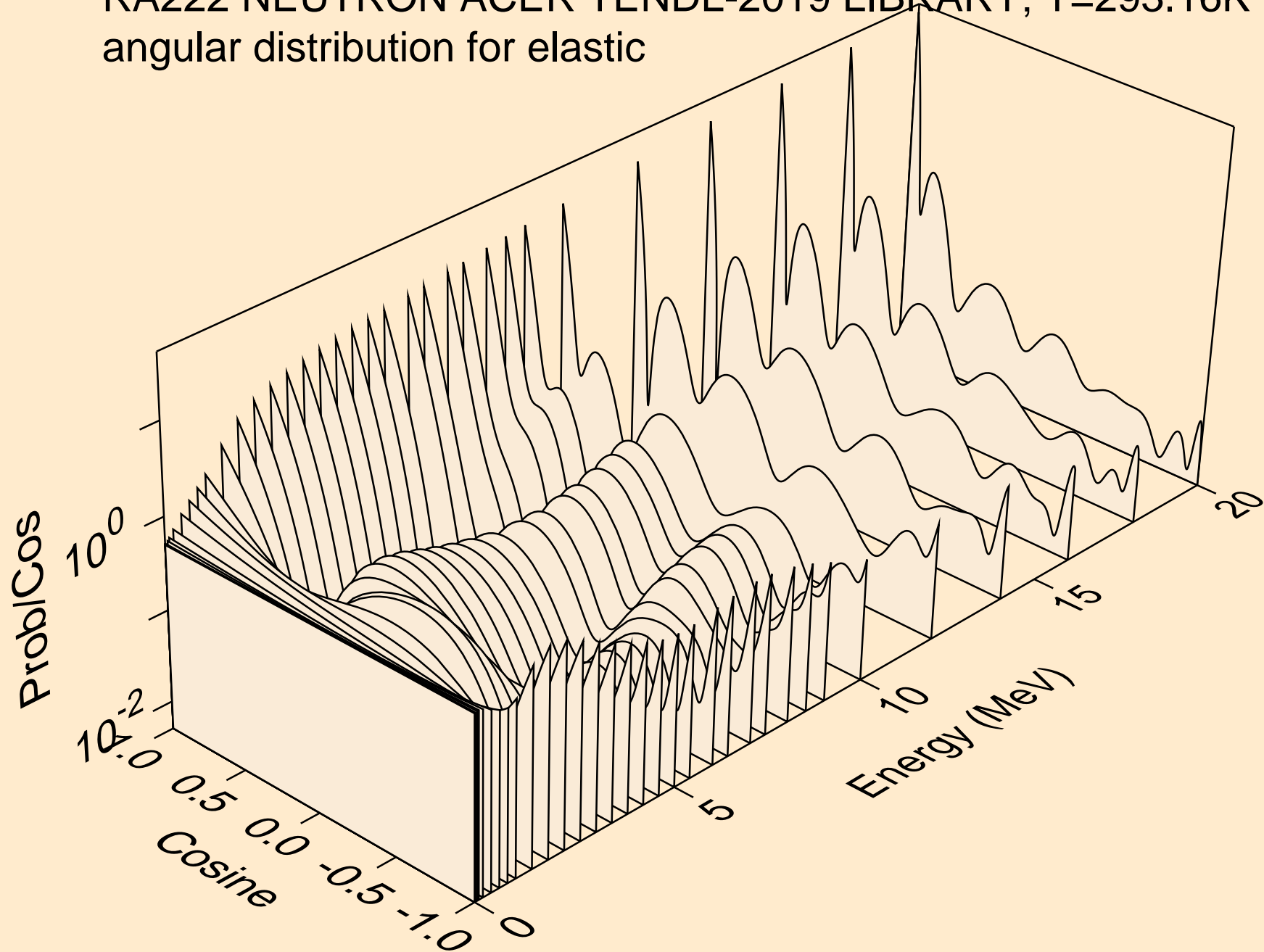
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



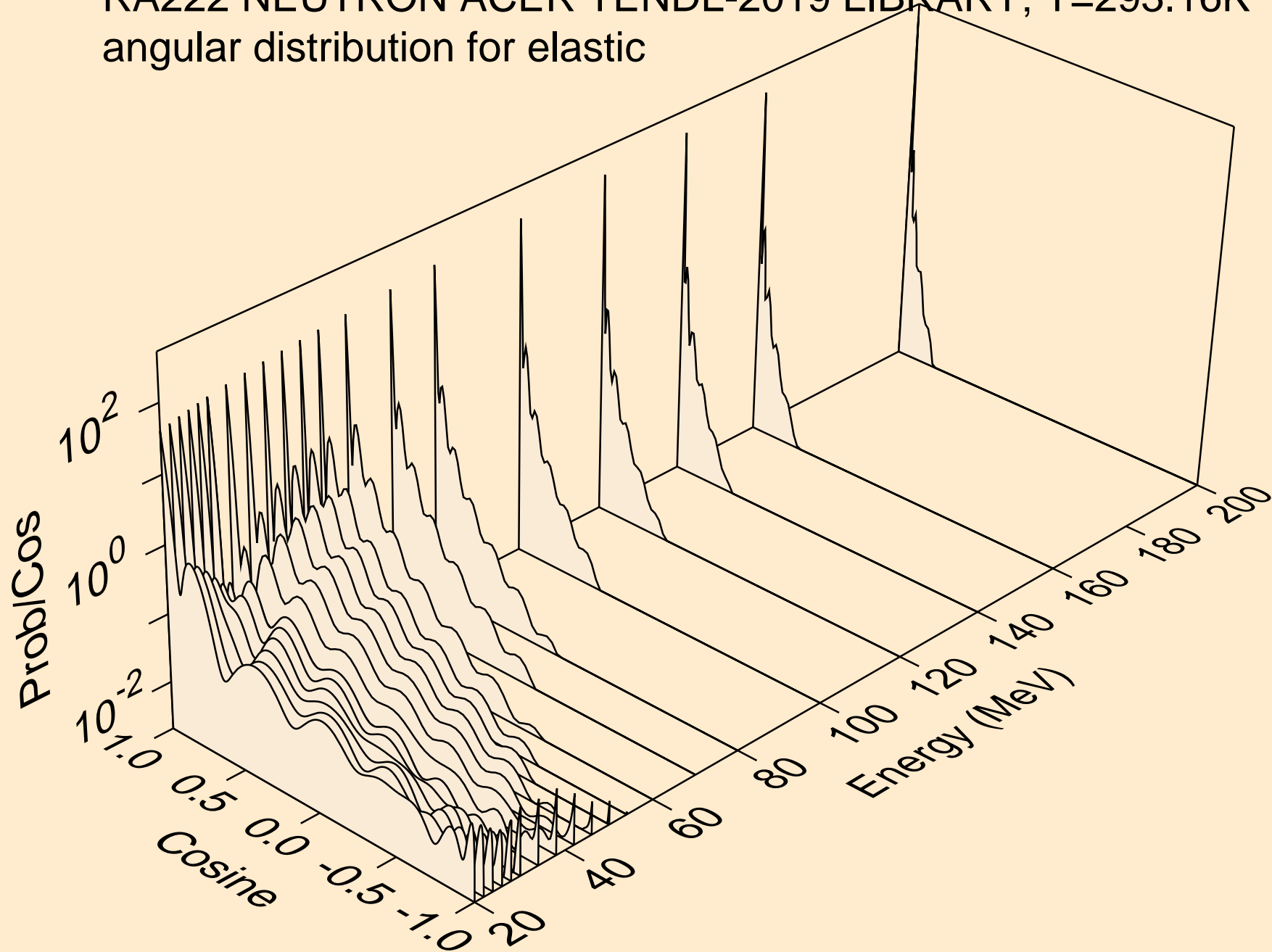
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



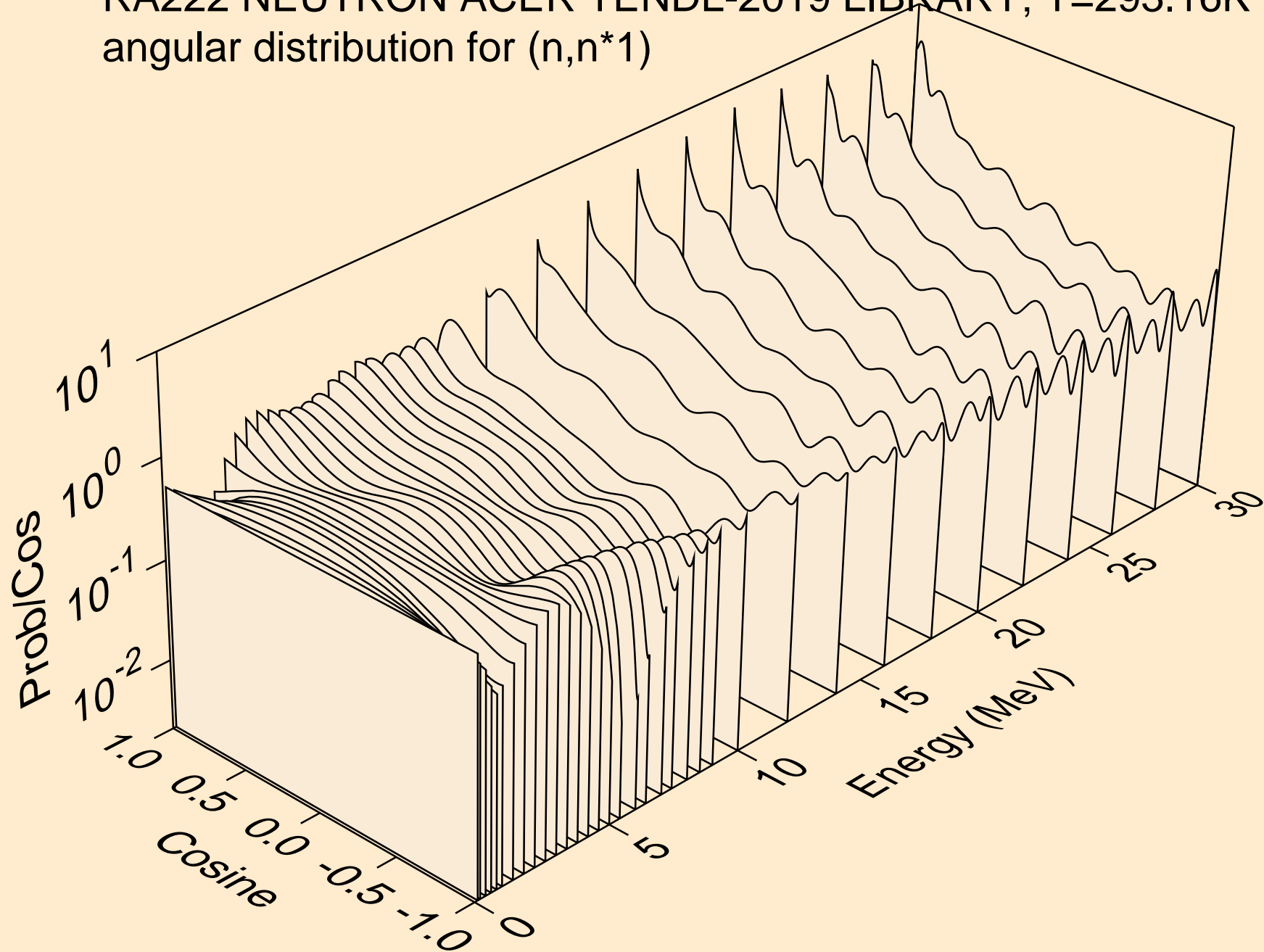
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angular distribution for elastic



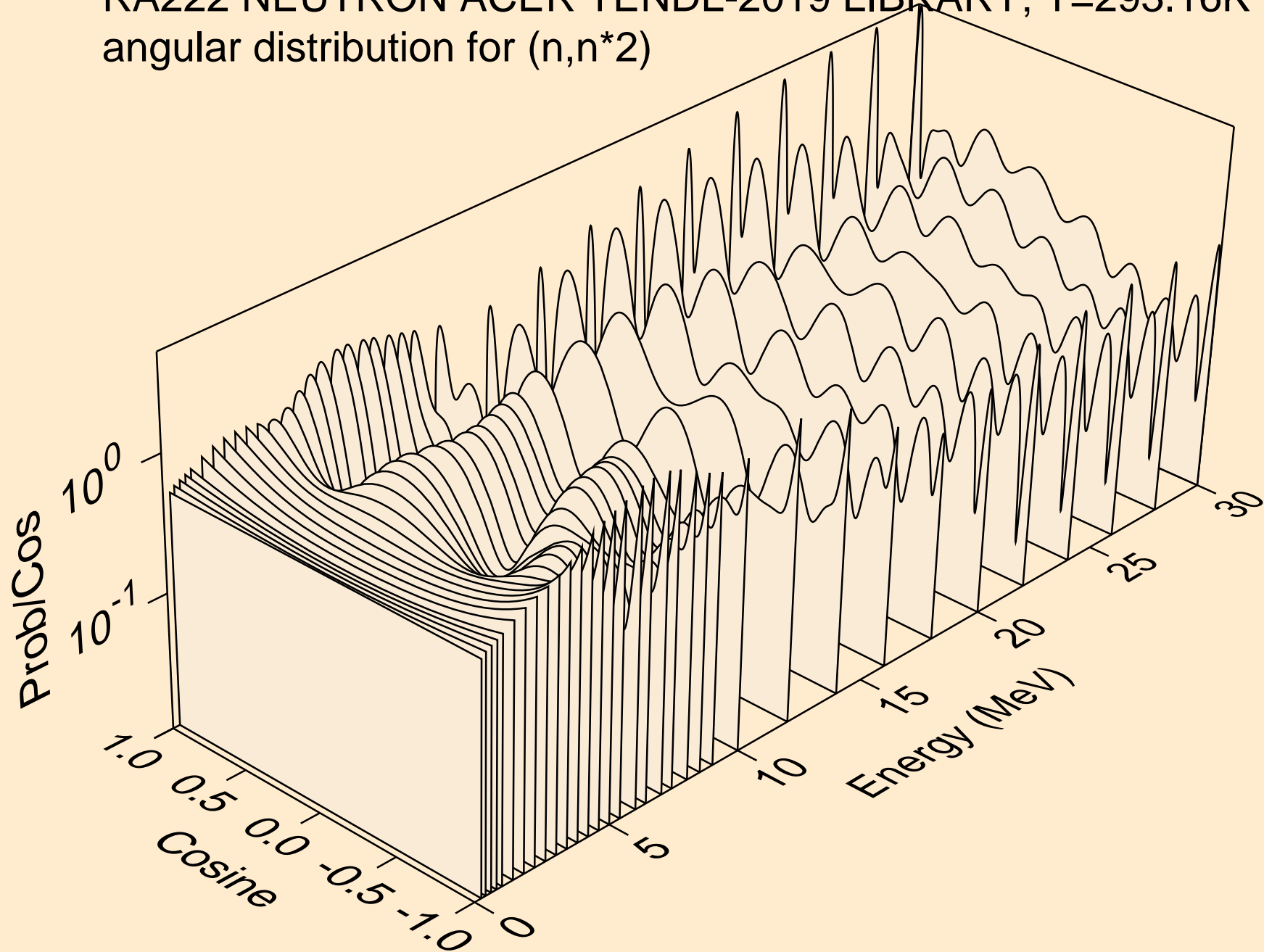
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angular distribution for elastic



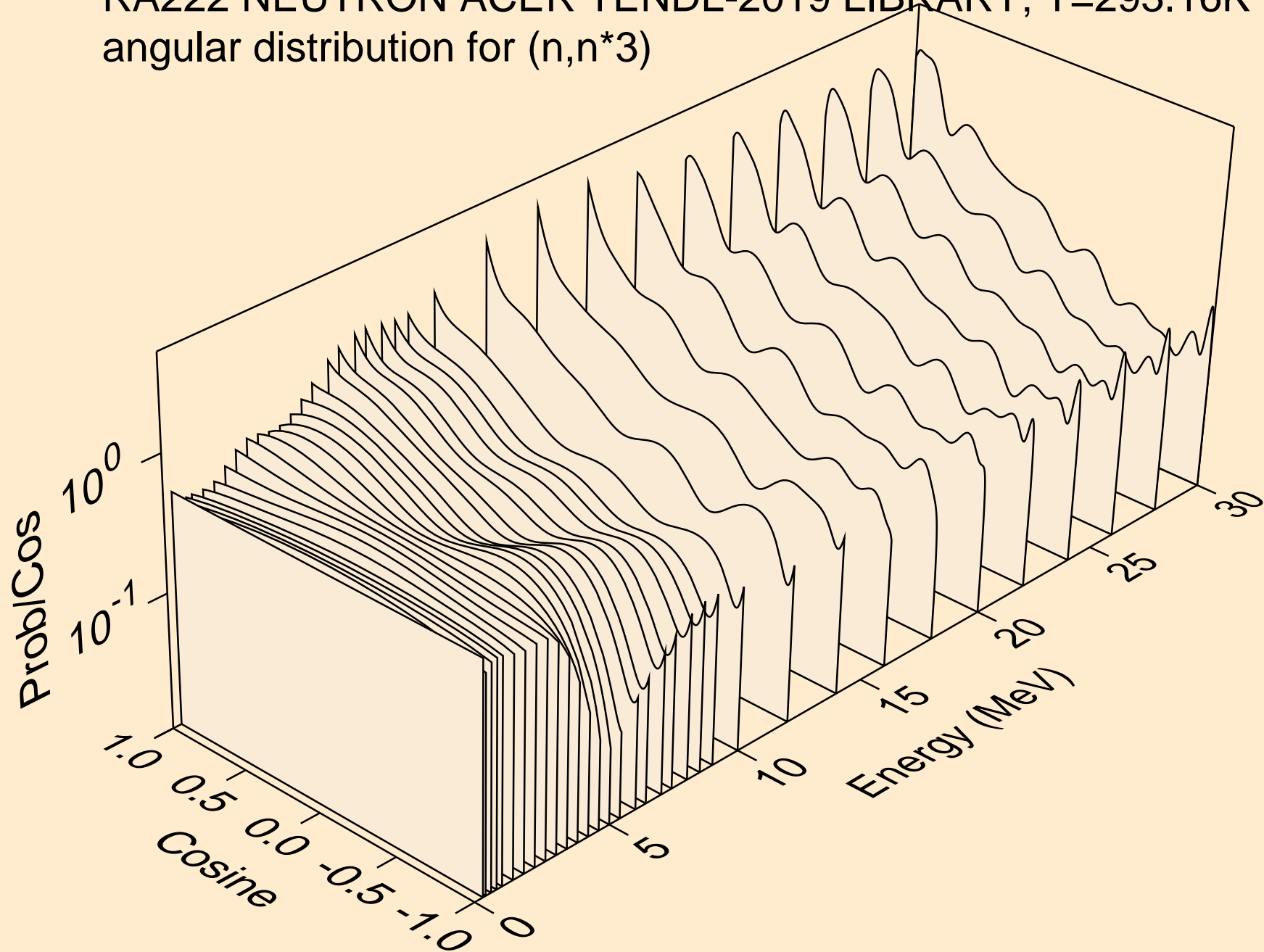
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)



RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)

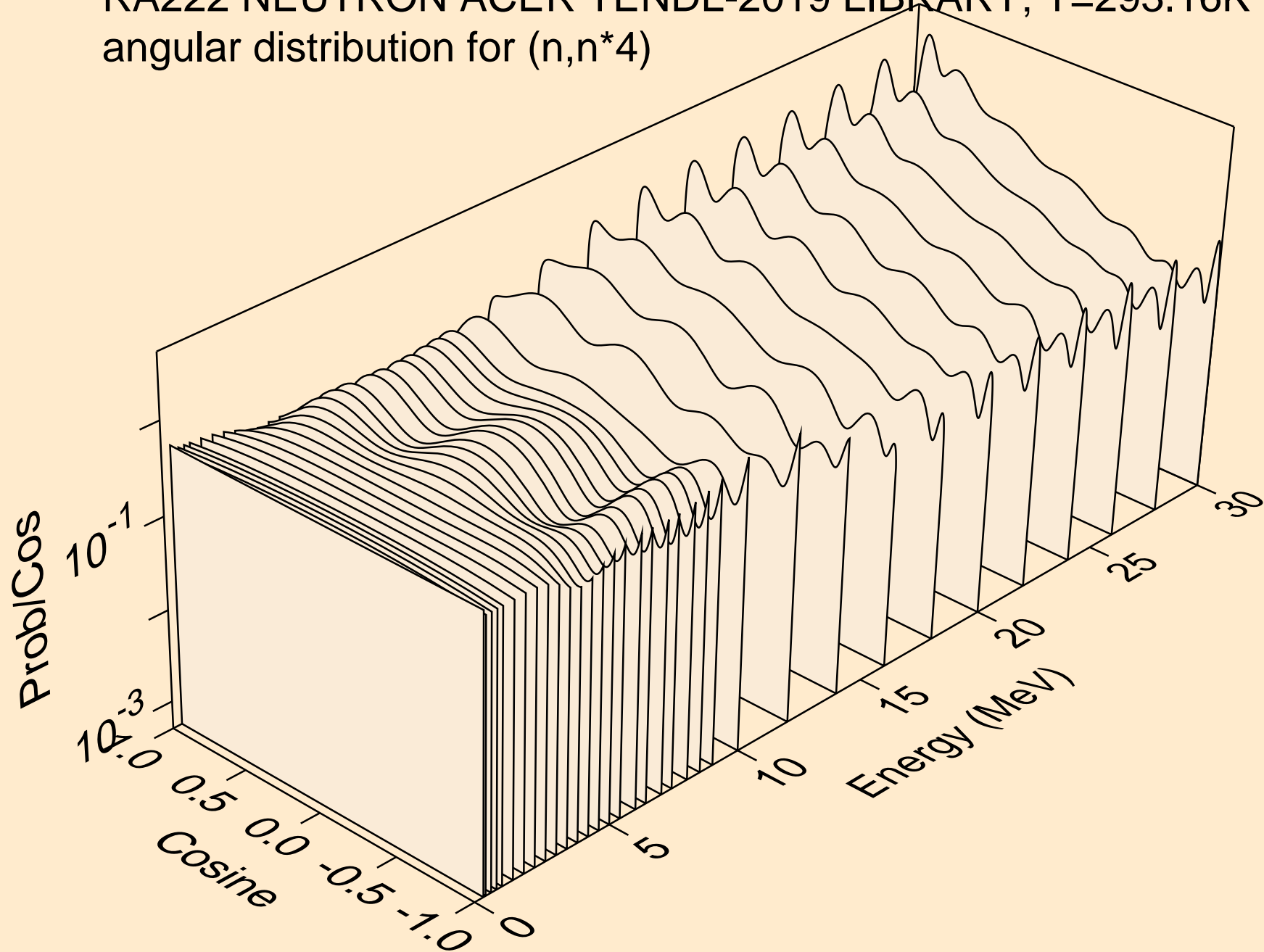


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angular distribution for (n,n\*3)

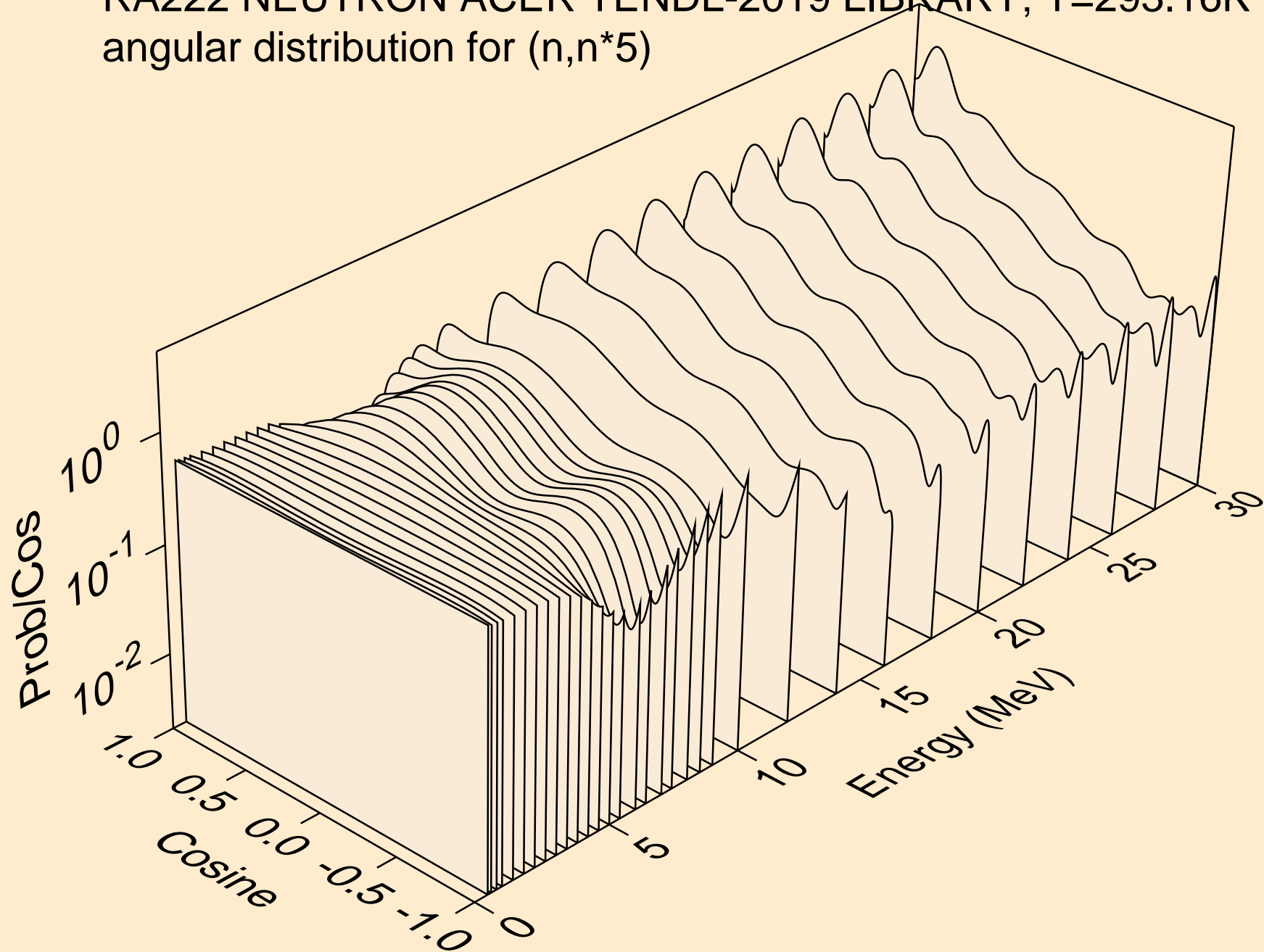




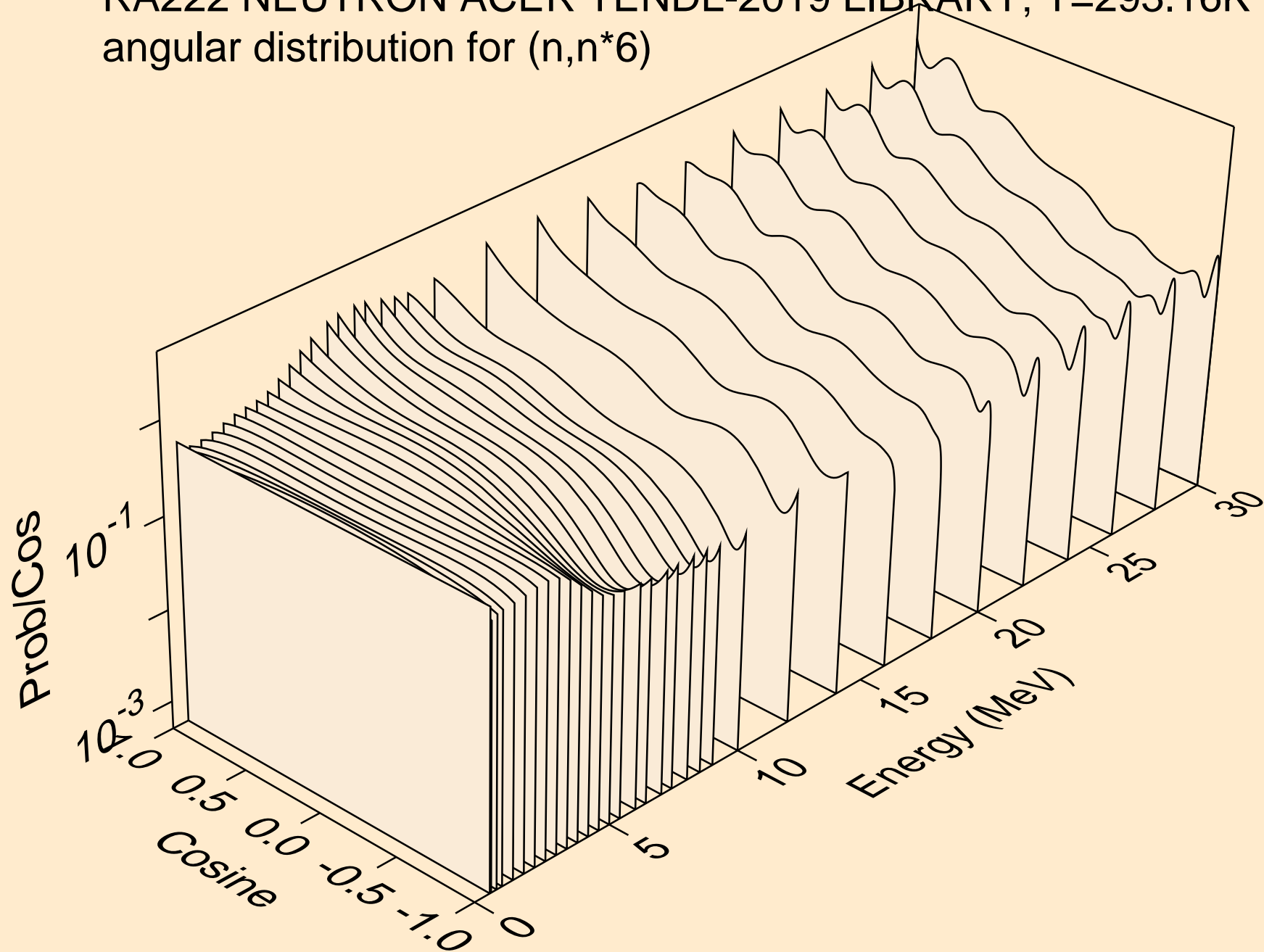
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angular distribution for (n,n\*4)



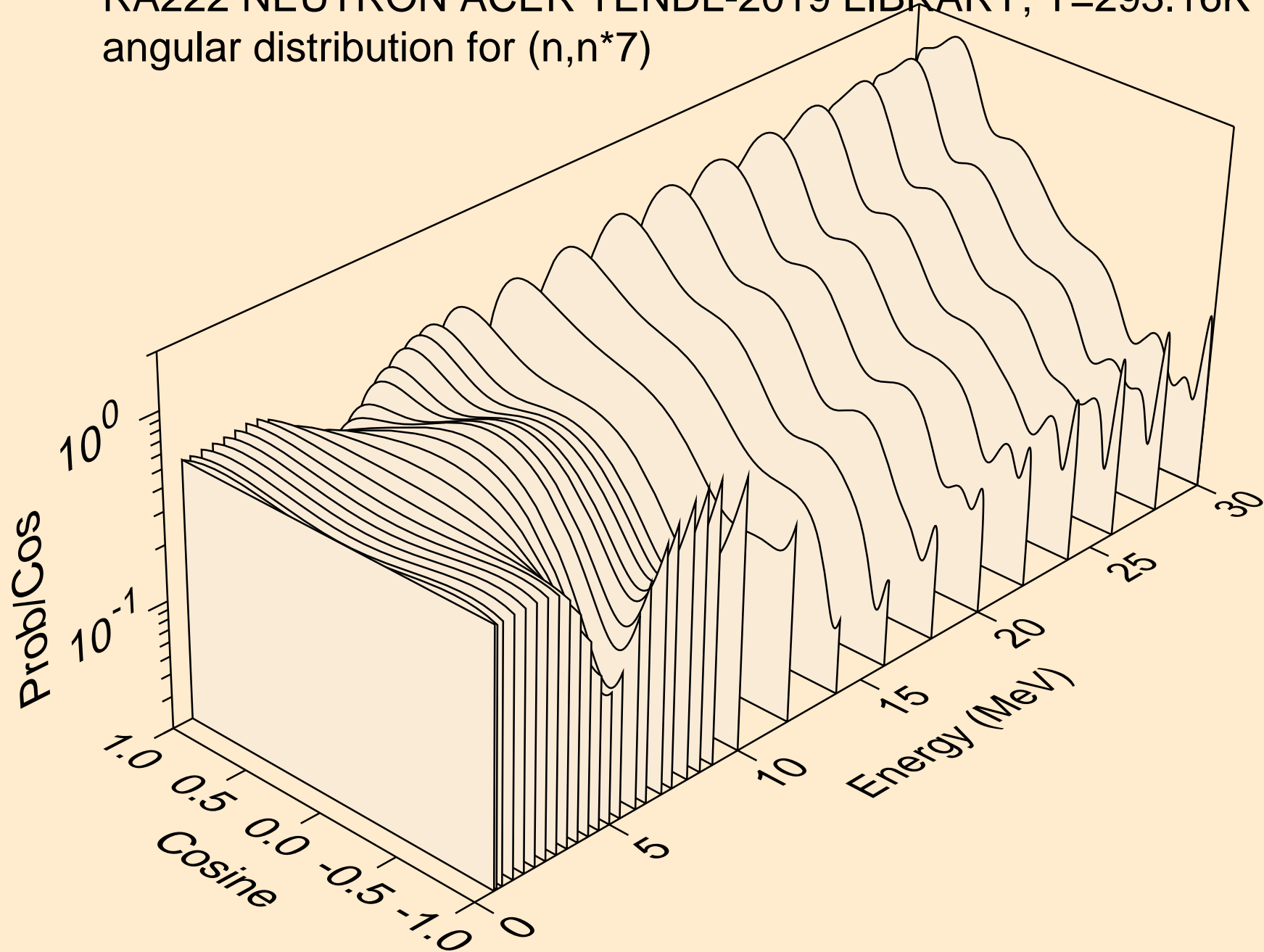
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angular distribution for (n,n\*5)



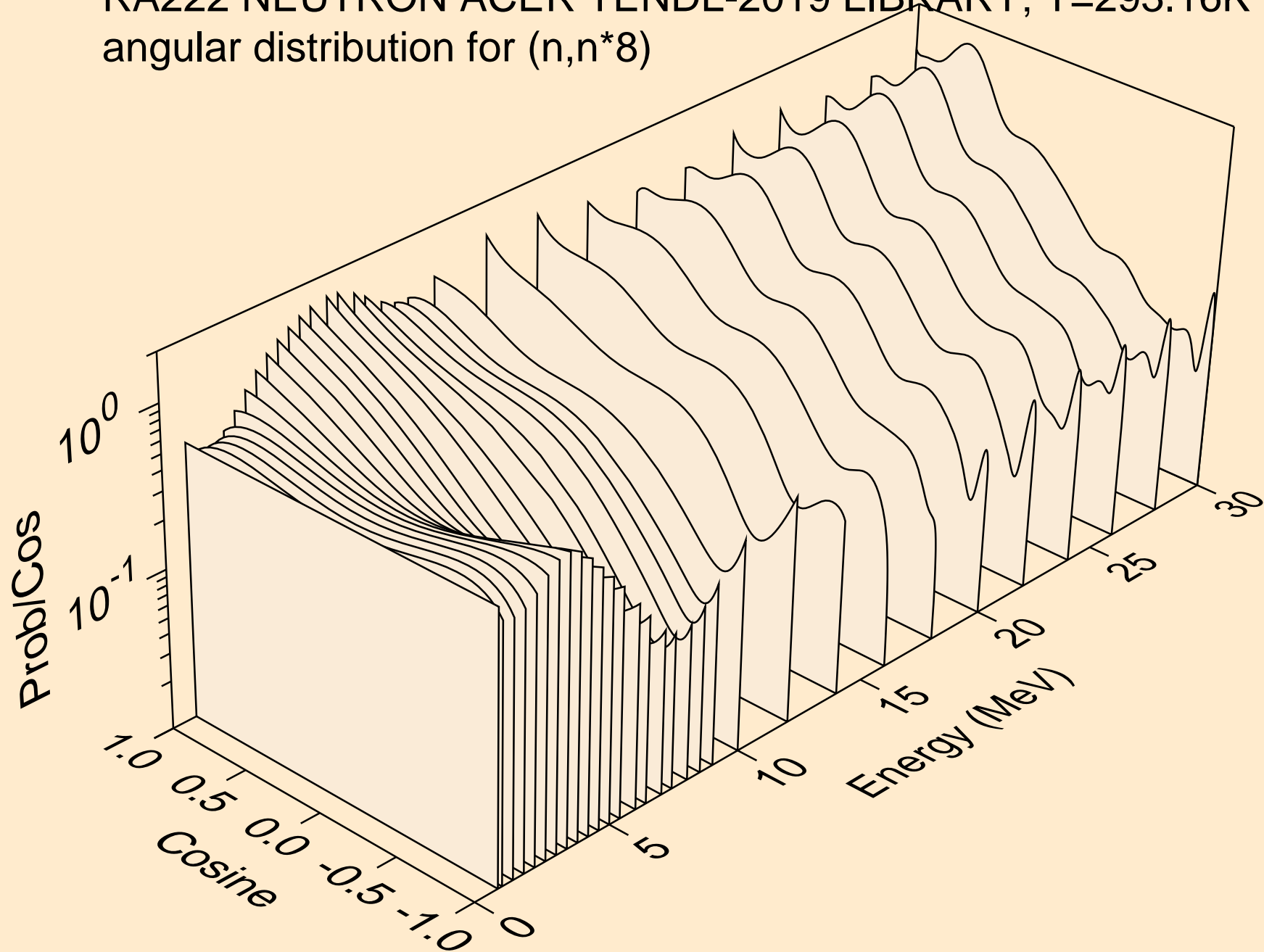
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angular distribution for (n,n\*6)



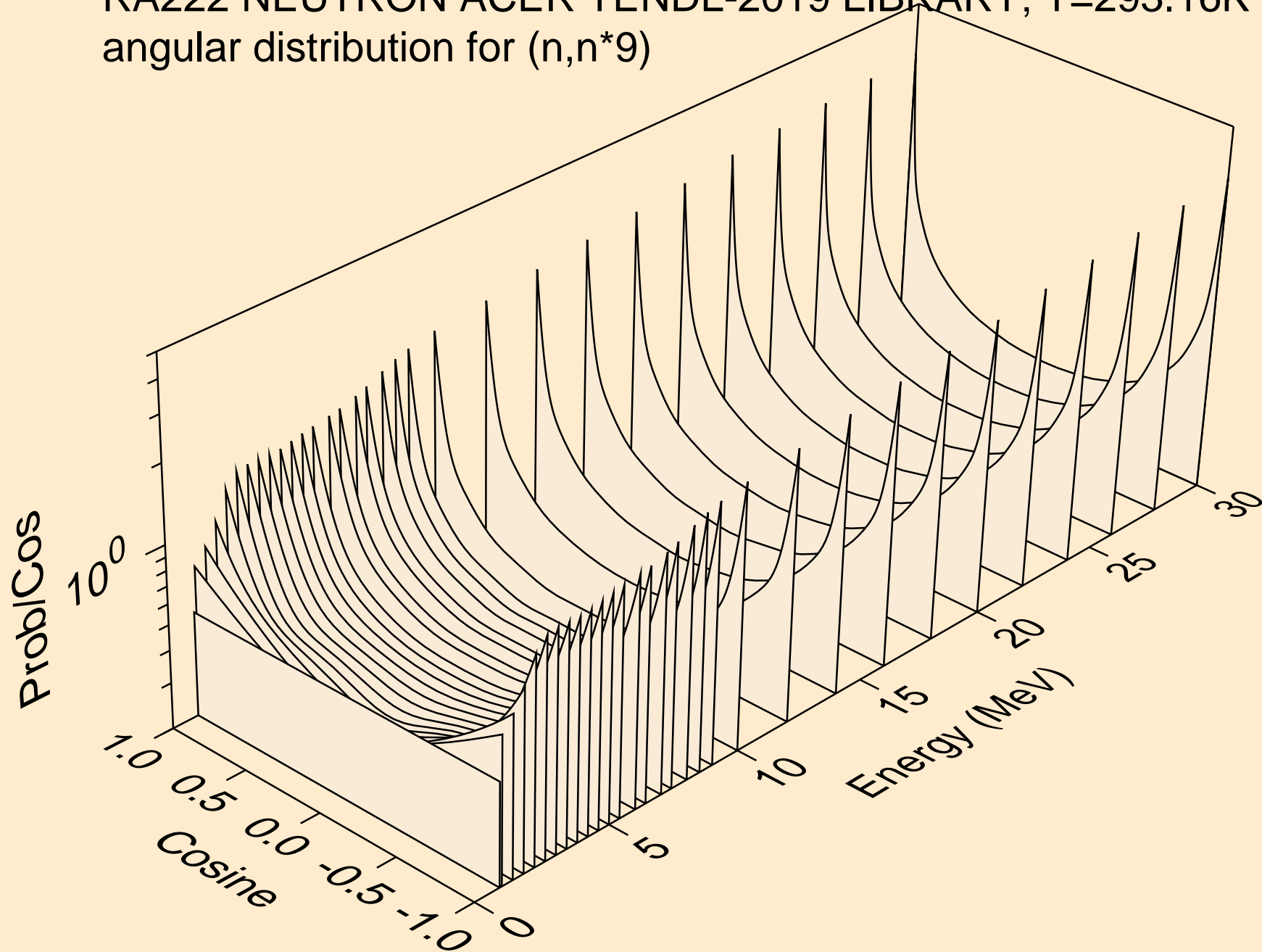
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angular distribution for (n,n\*7)



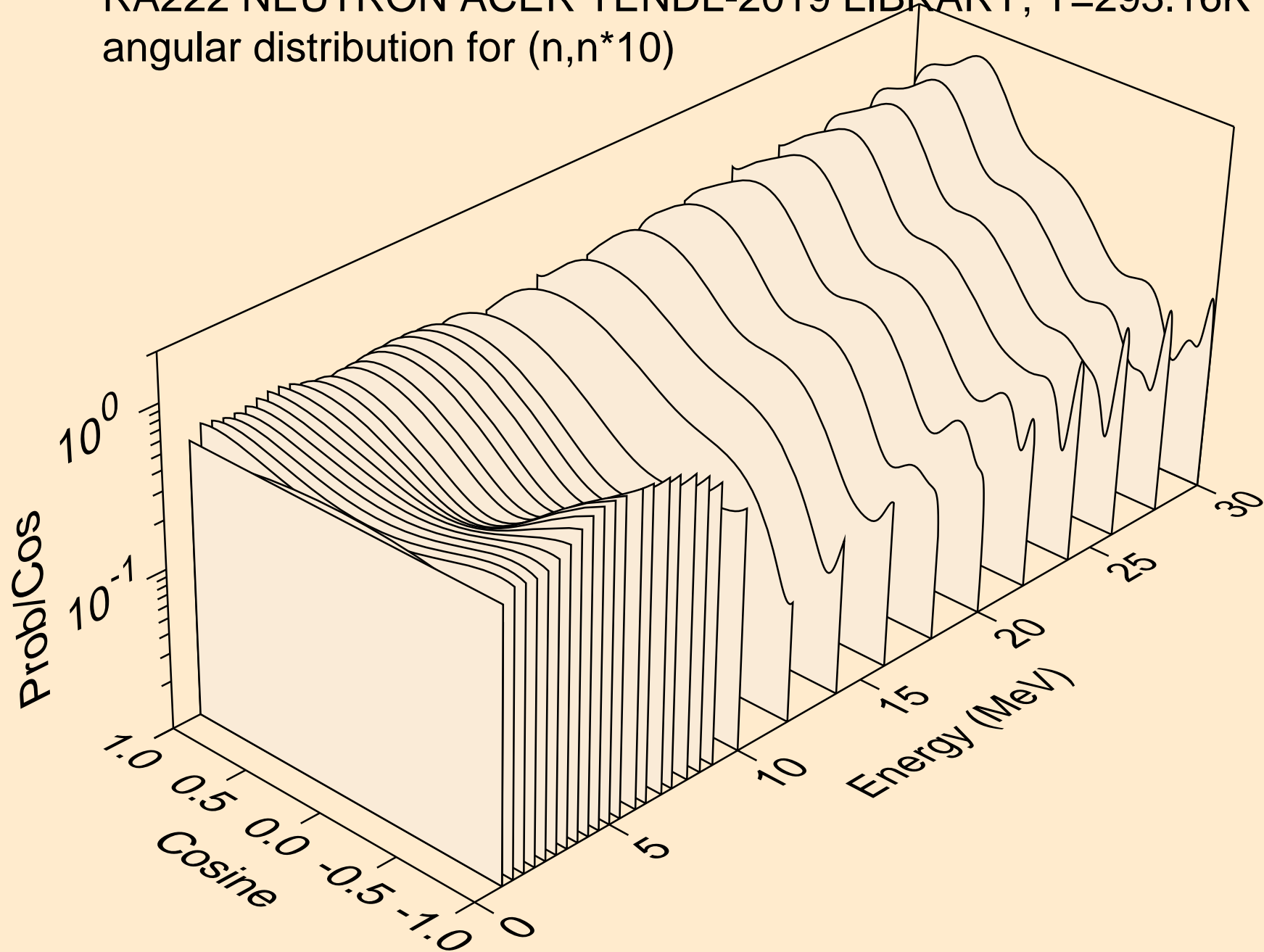
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angular distribution for (n,n\*8)



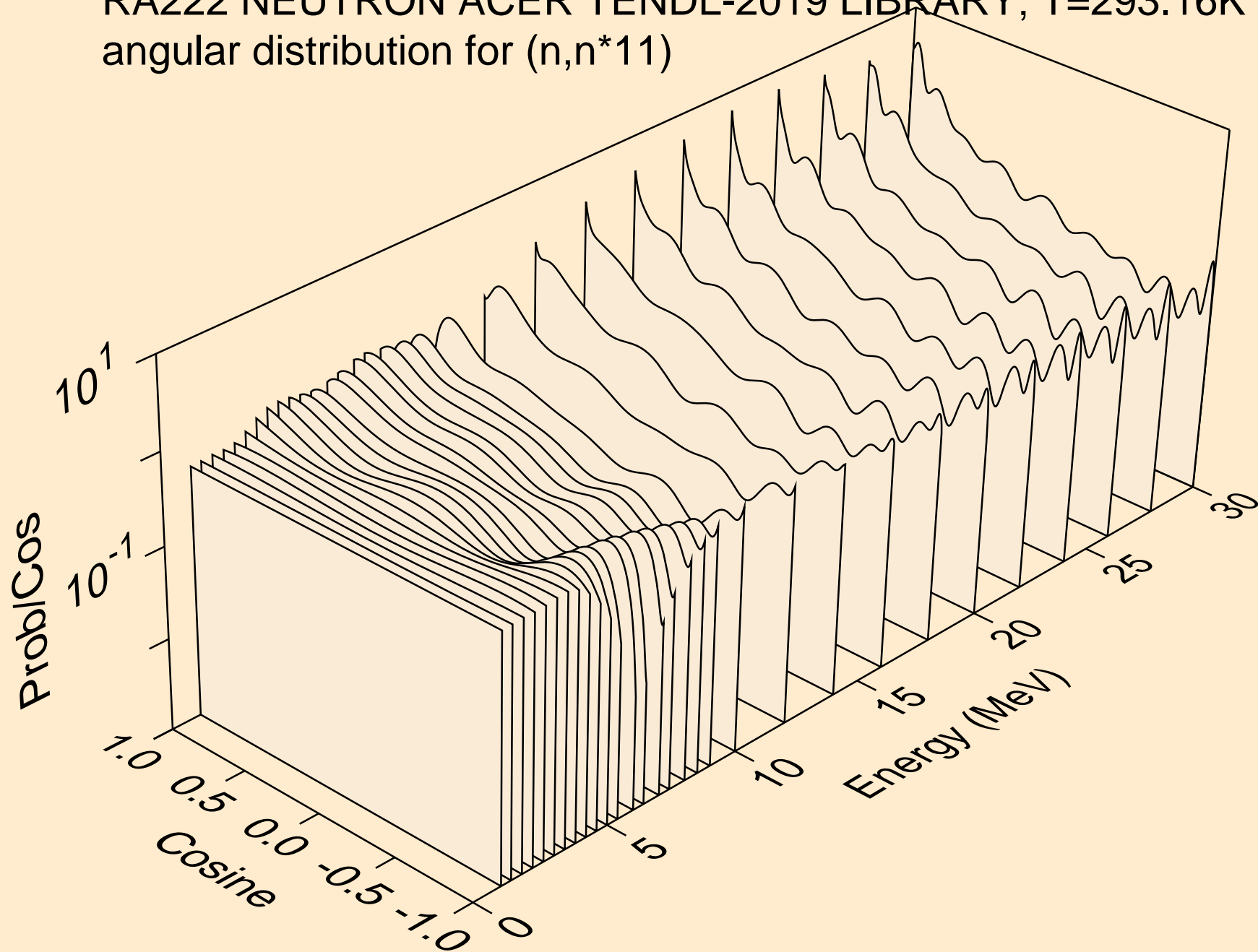
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)



RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*10)

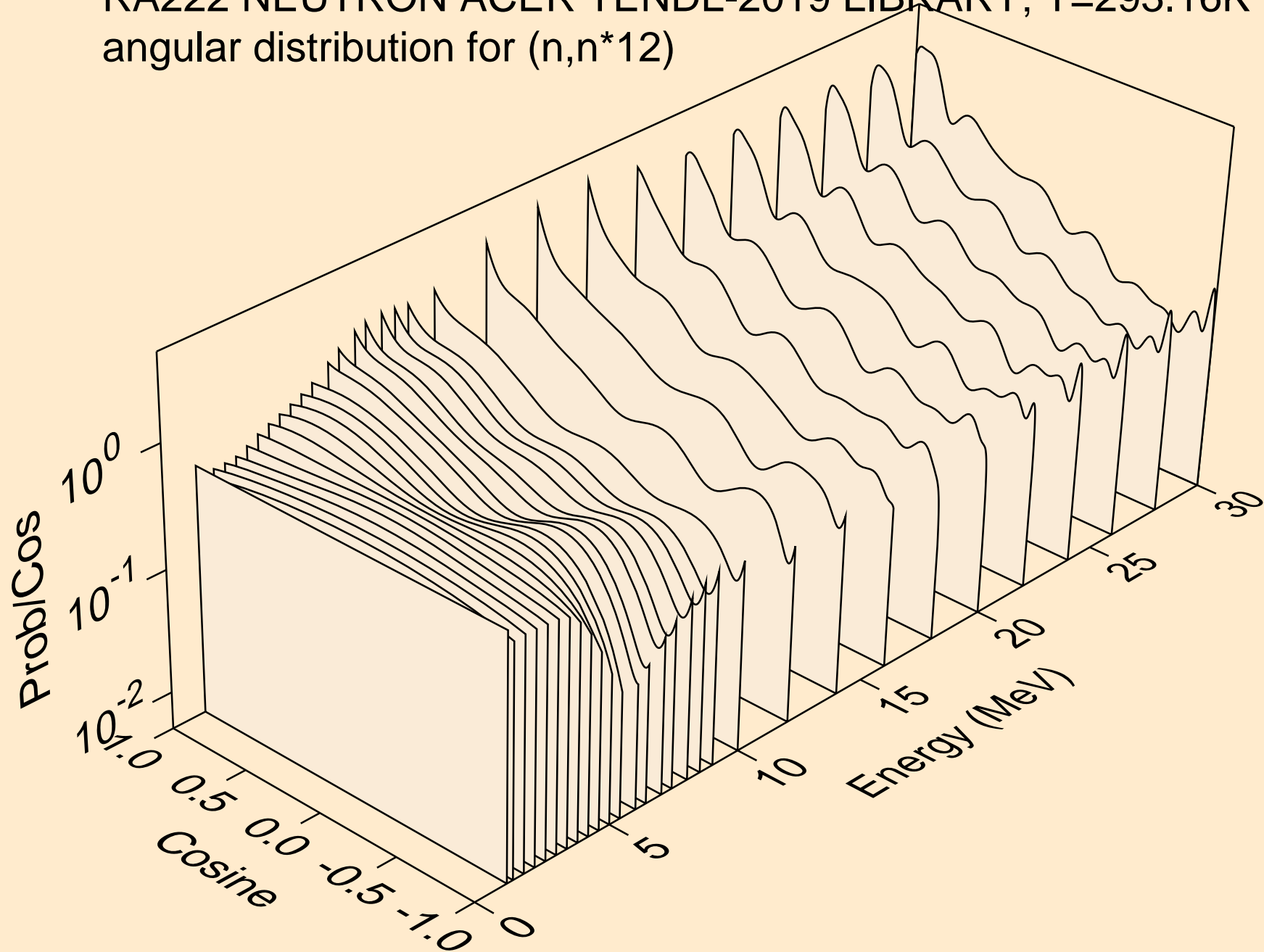


RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*11)

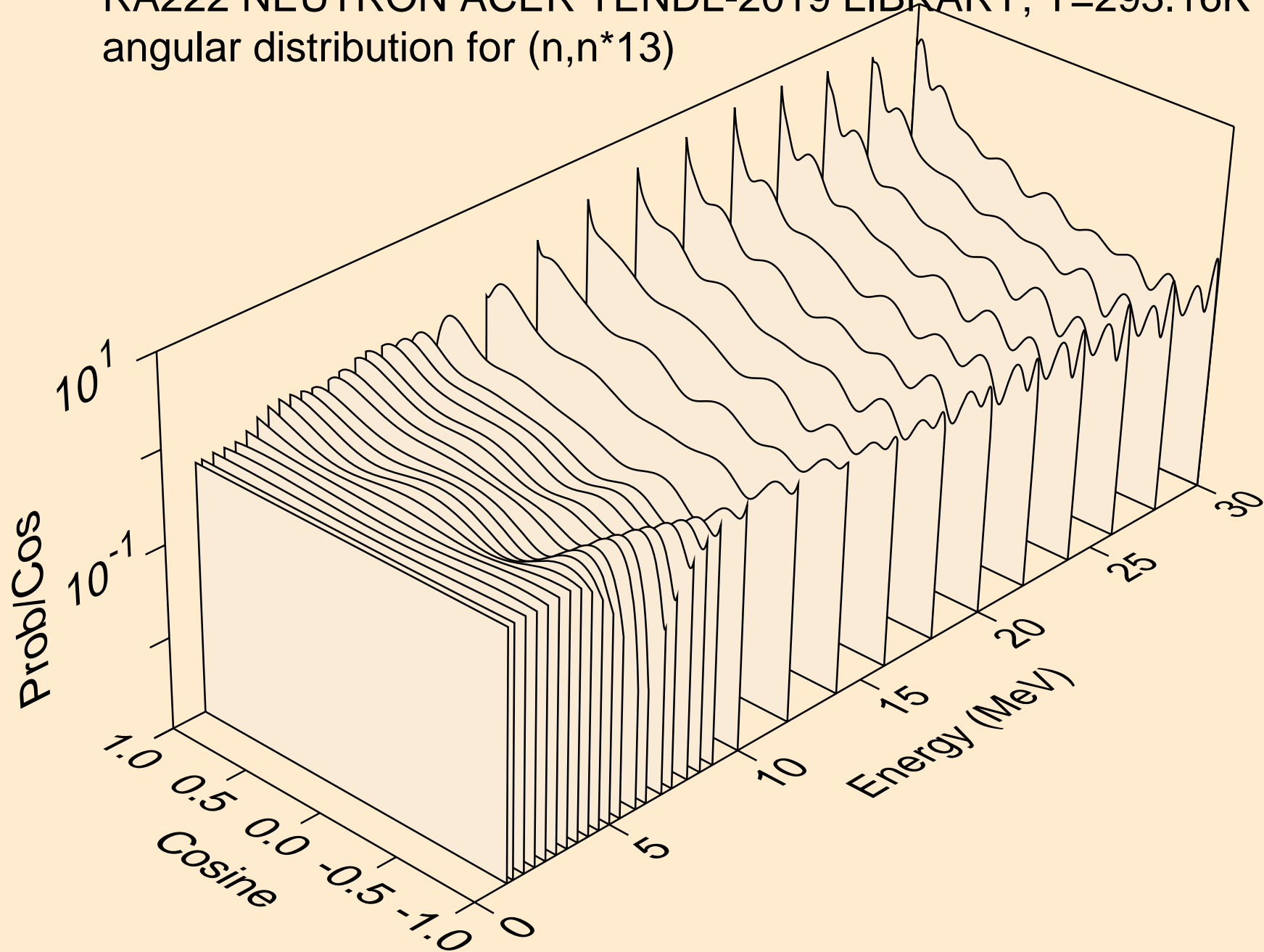




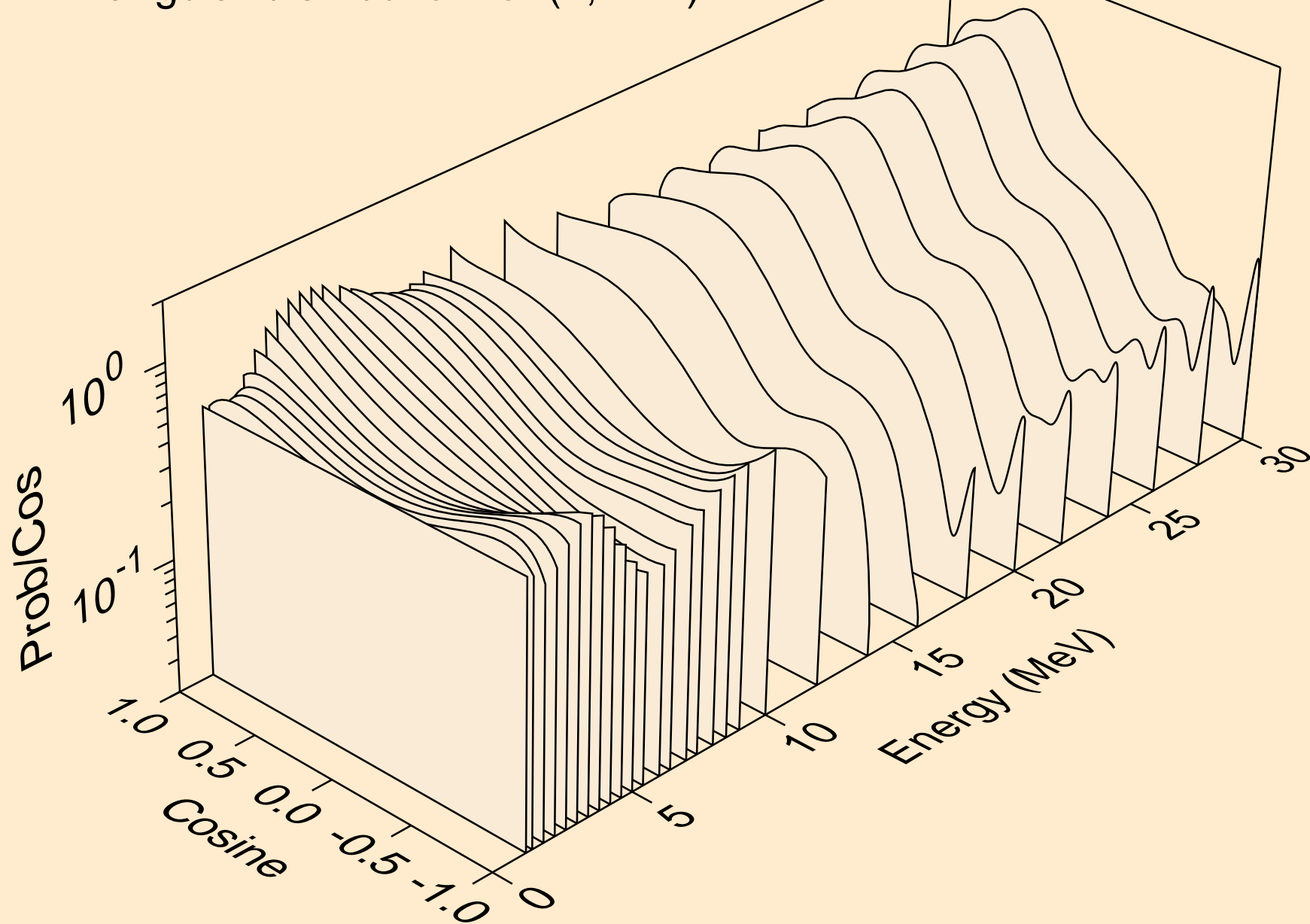
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angular distribution for (n,n\*12)



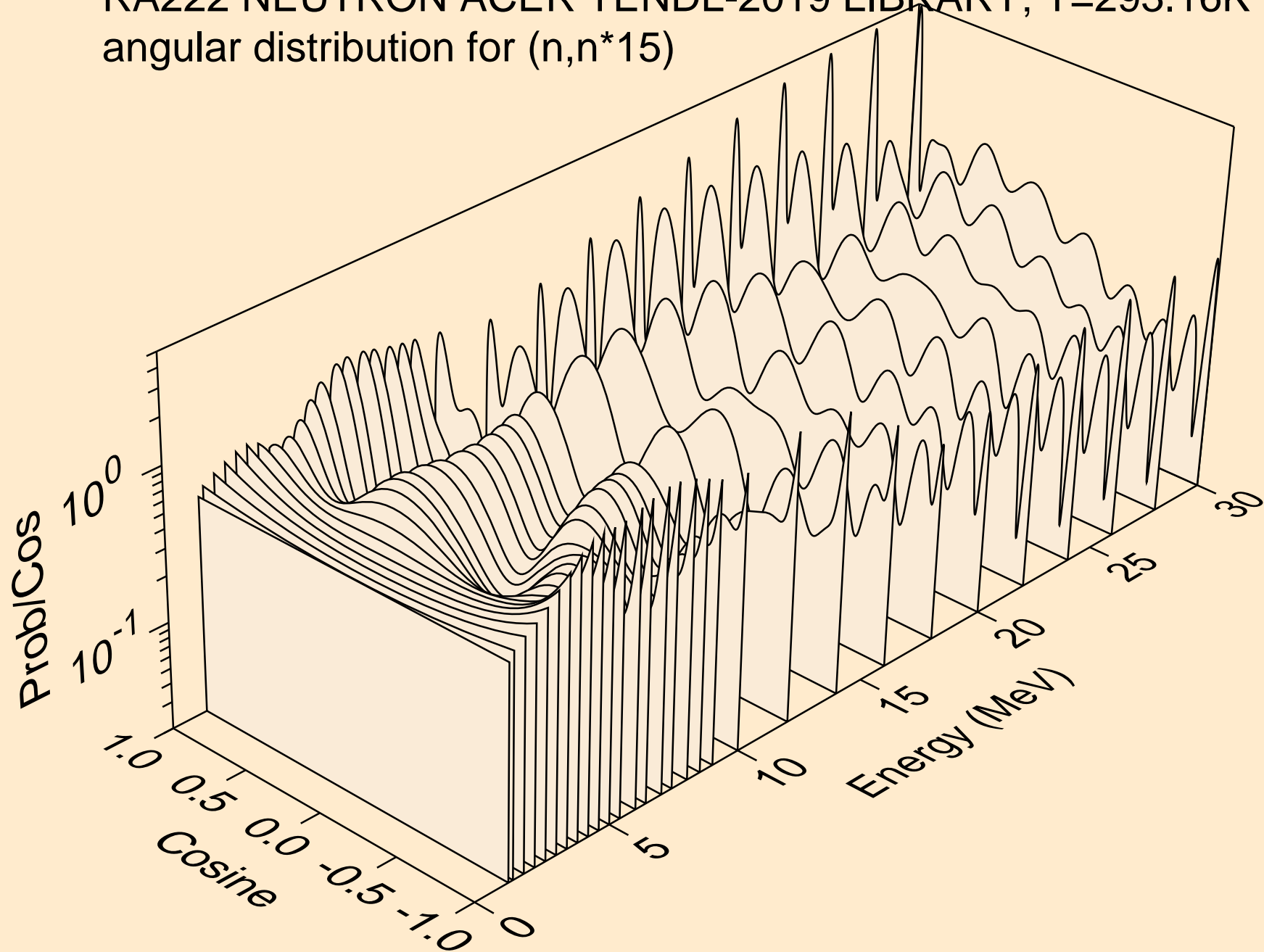
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angular distribution for (n,n\*13)



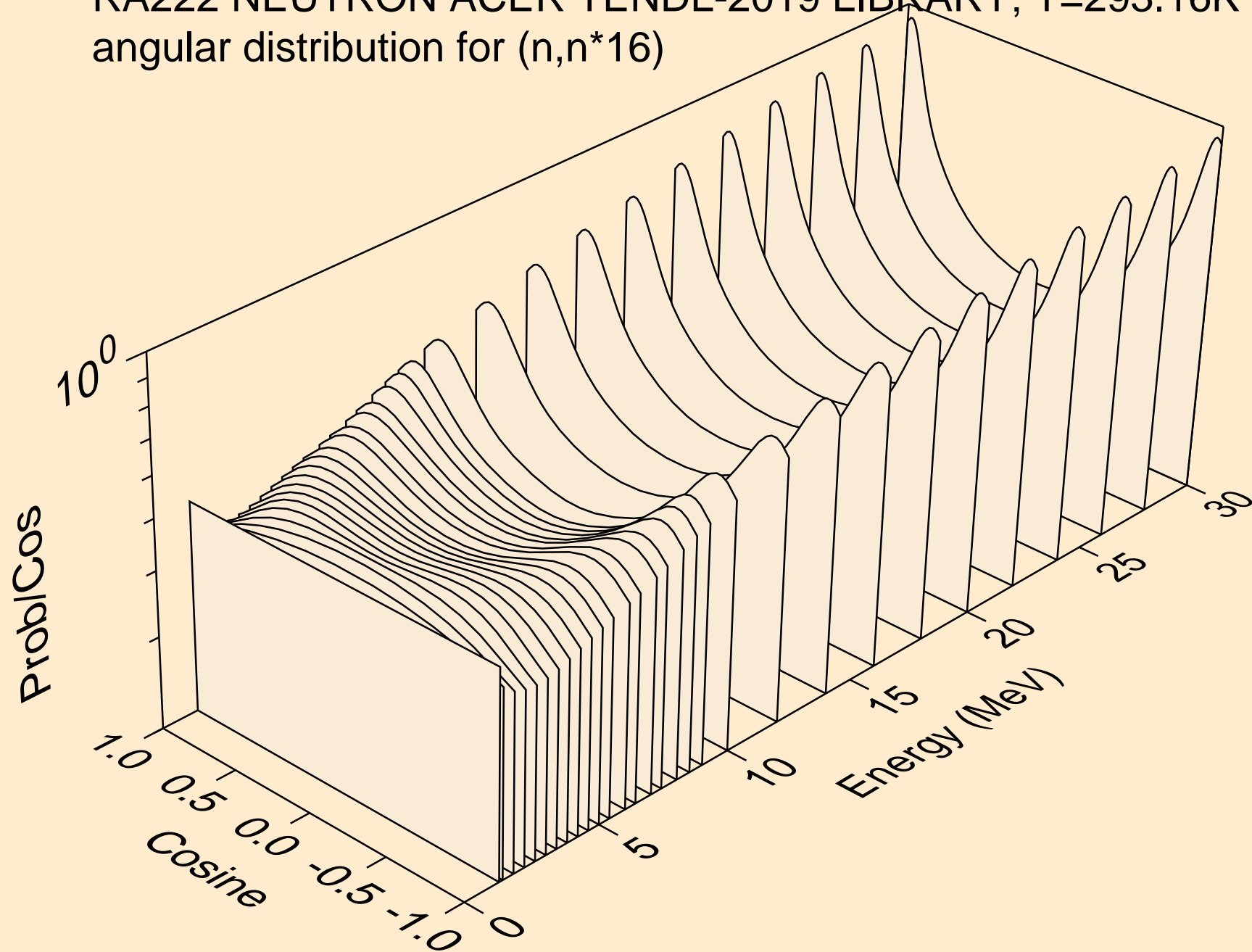
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angular distribution for (n,n\*14)



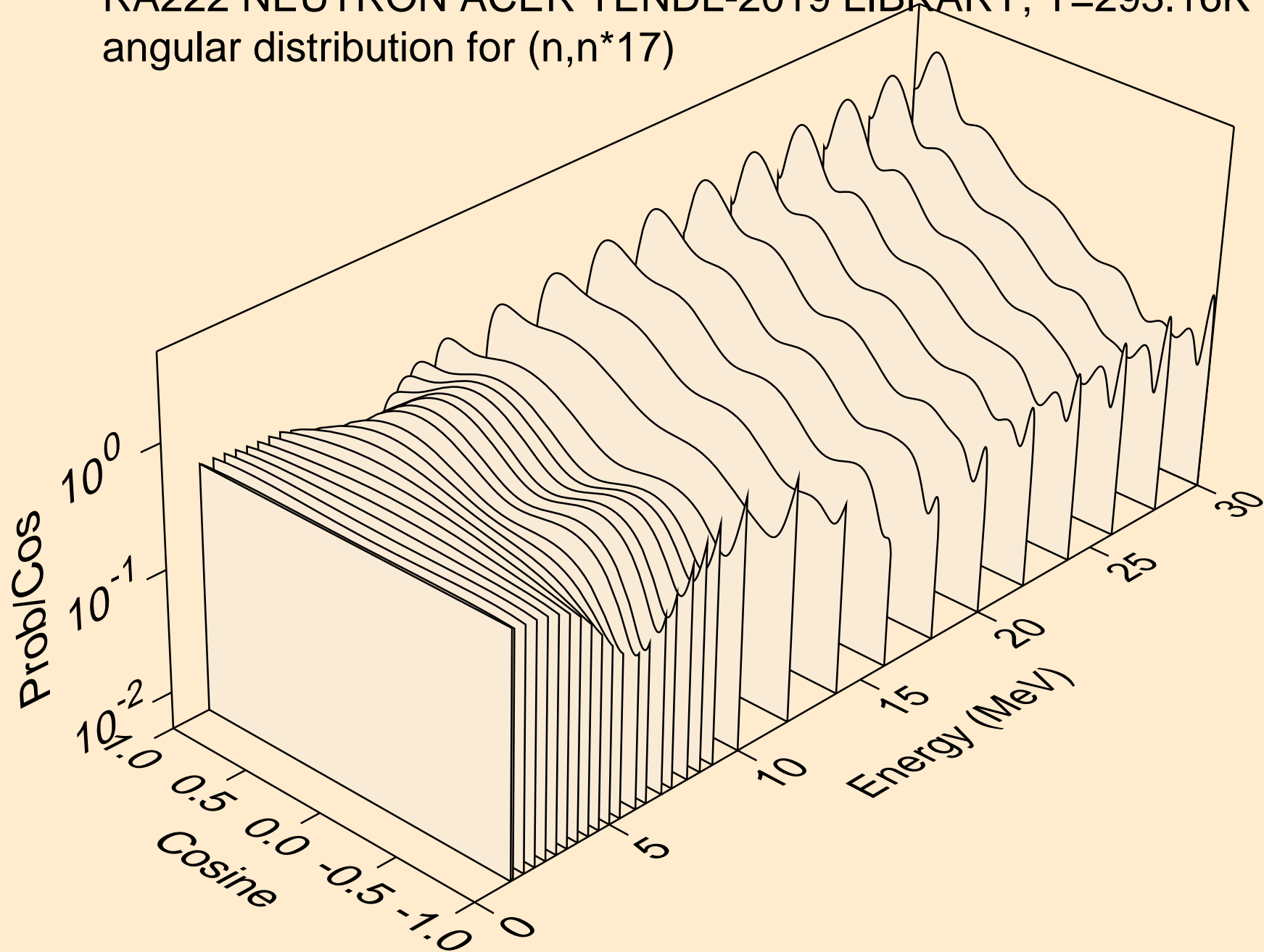
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angular distribution for (n,n\*15)



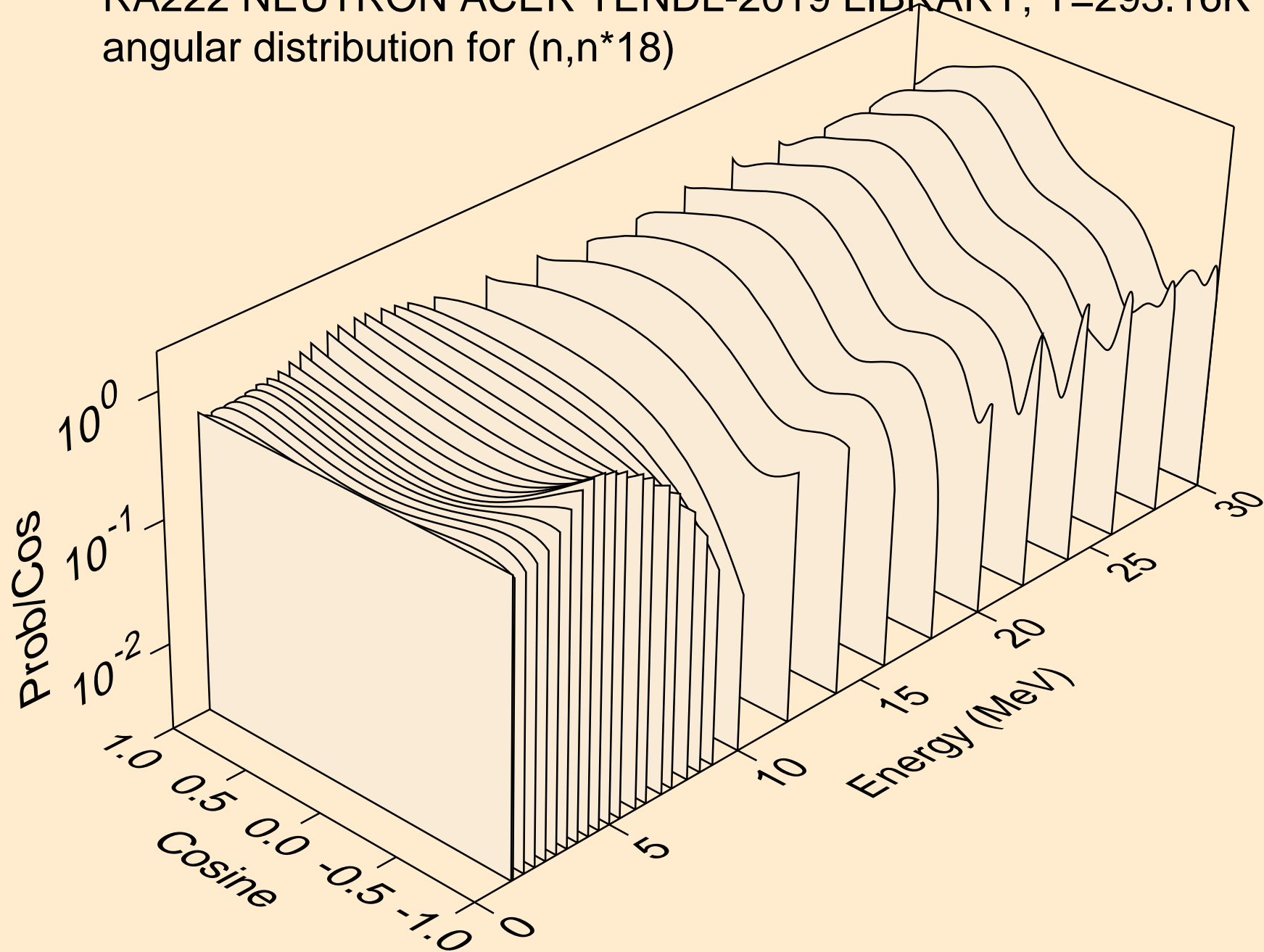
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angular distribution for (n,n\*16)



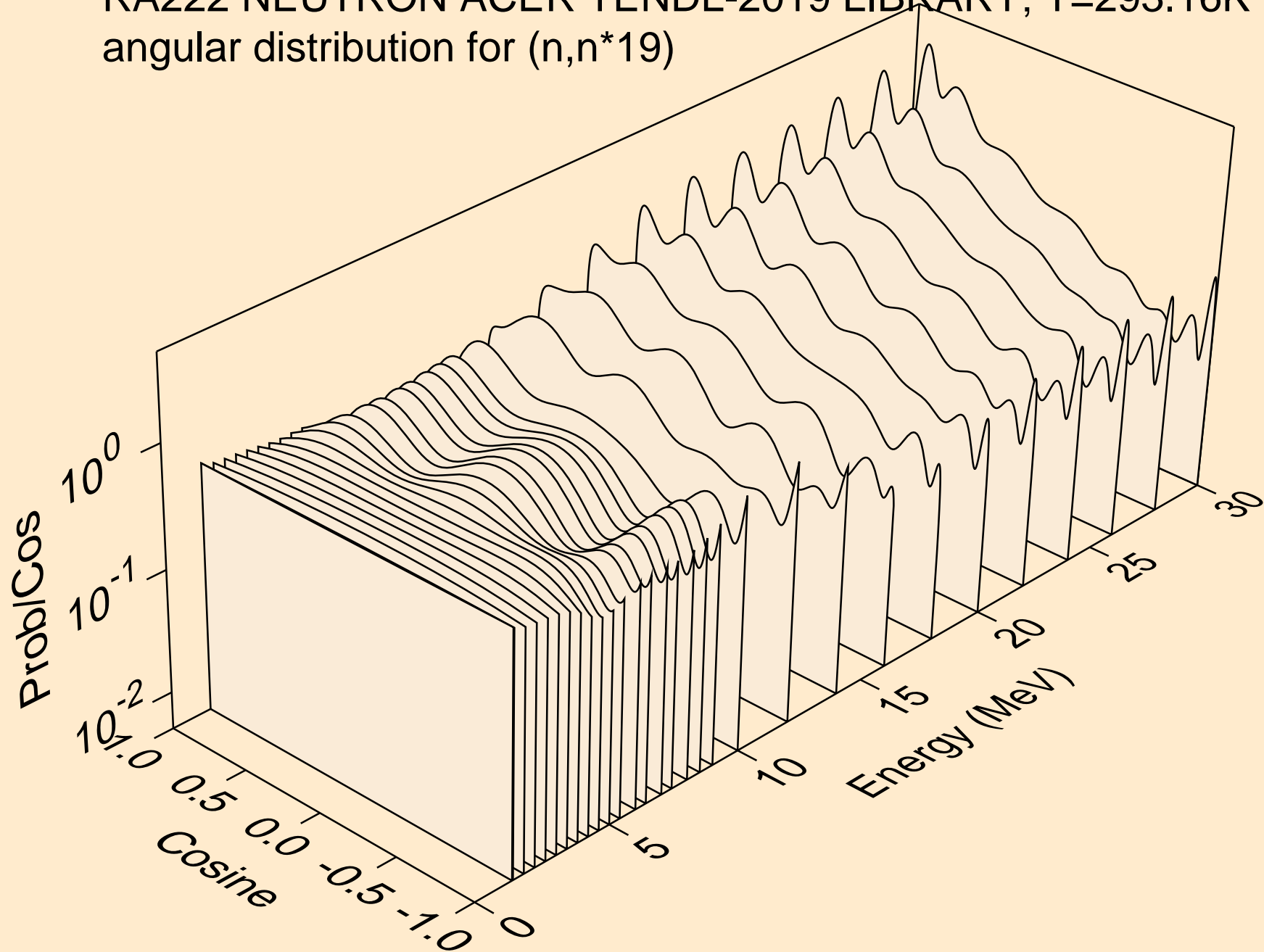
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angular distribution for (n,n\*17)



RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*18)

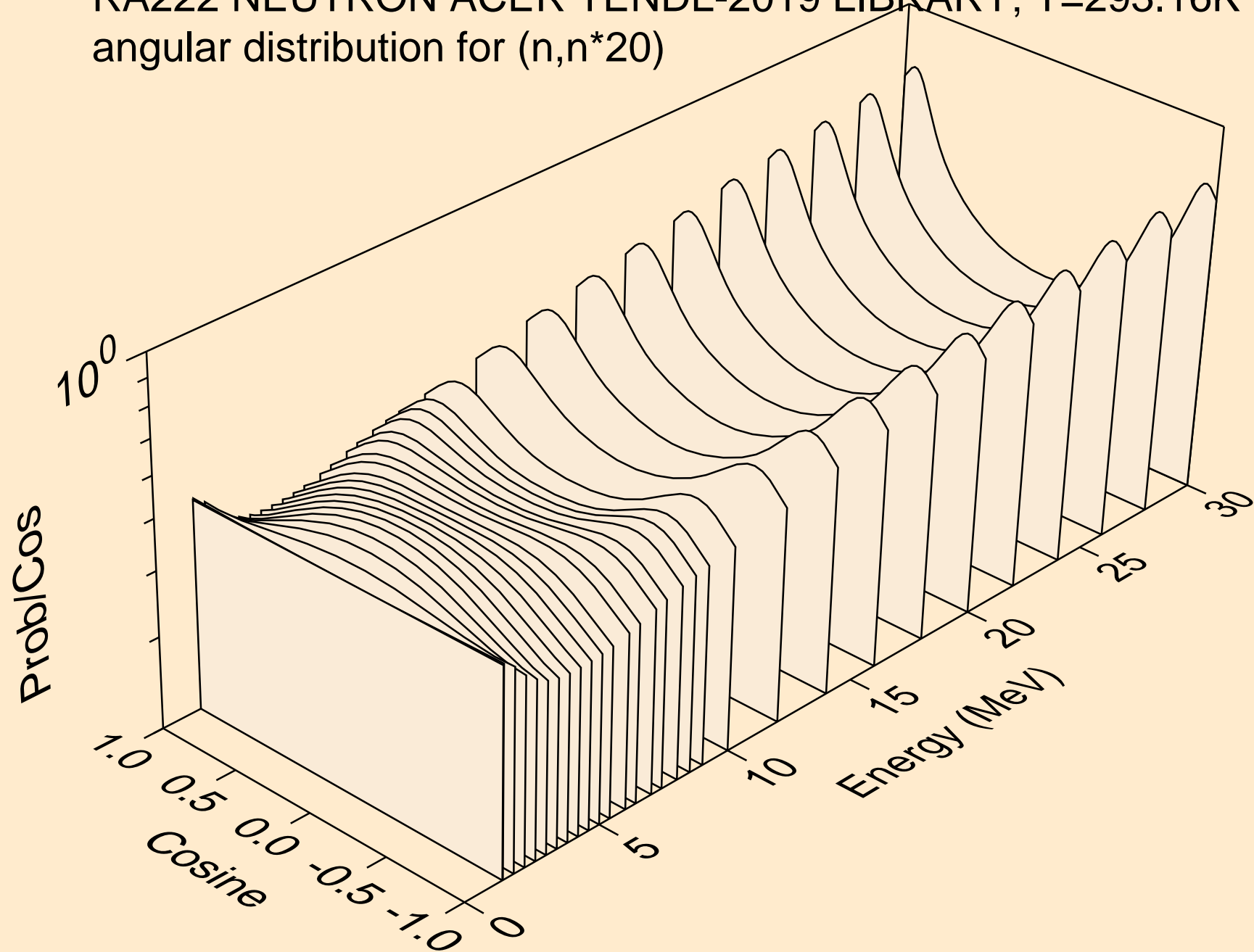


RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*19)

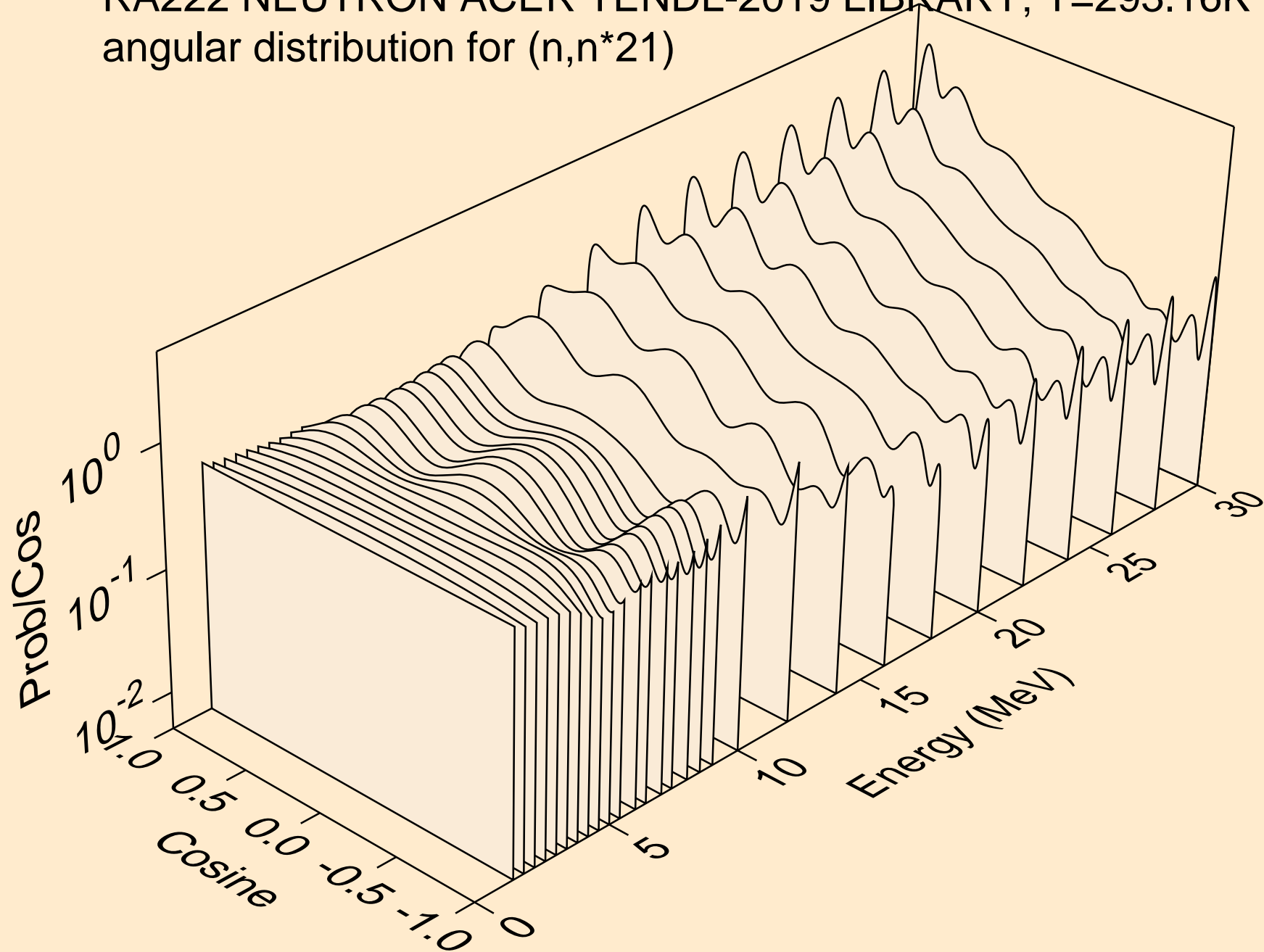




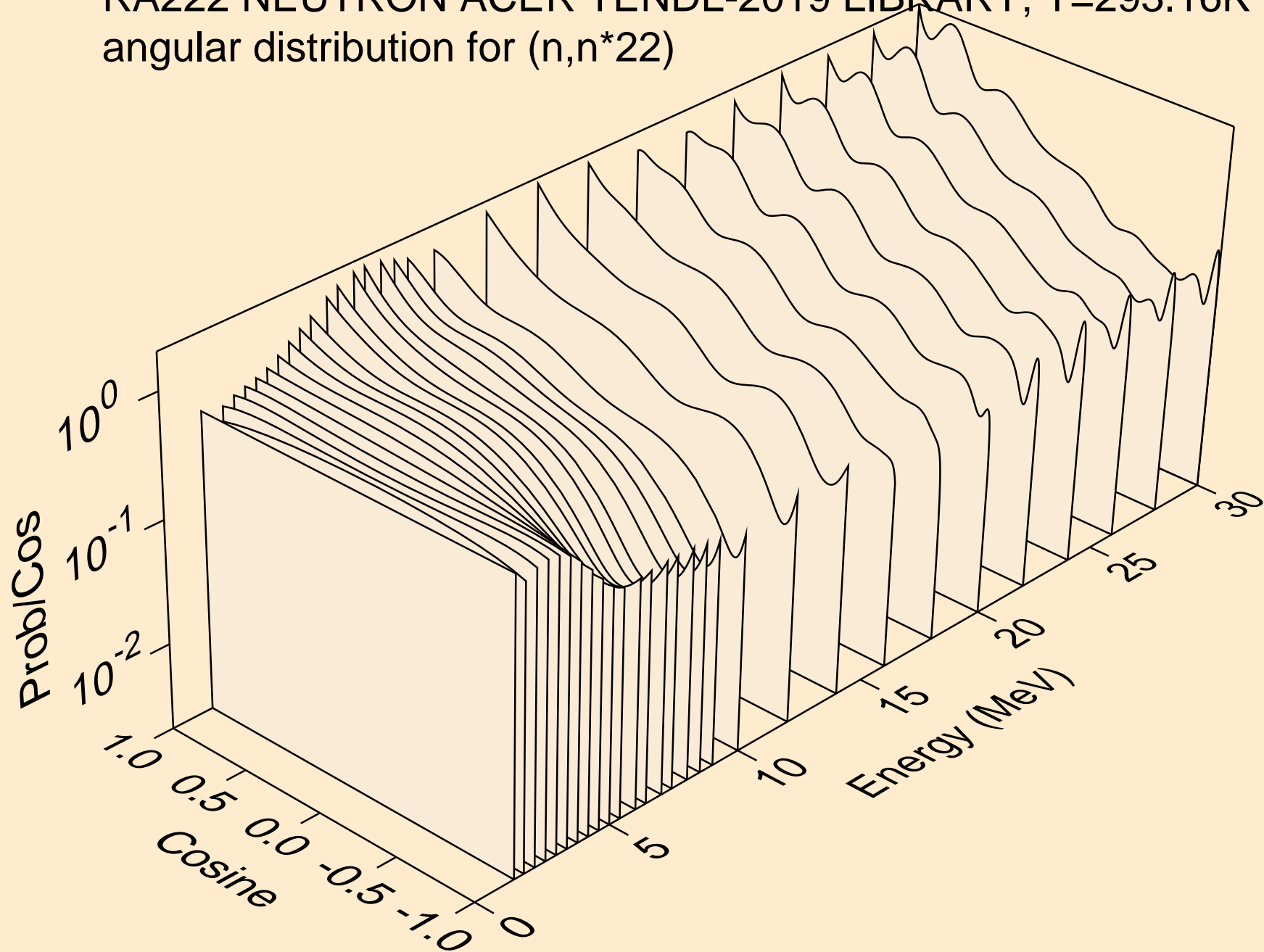
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angular distribution for (n,n\*20)



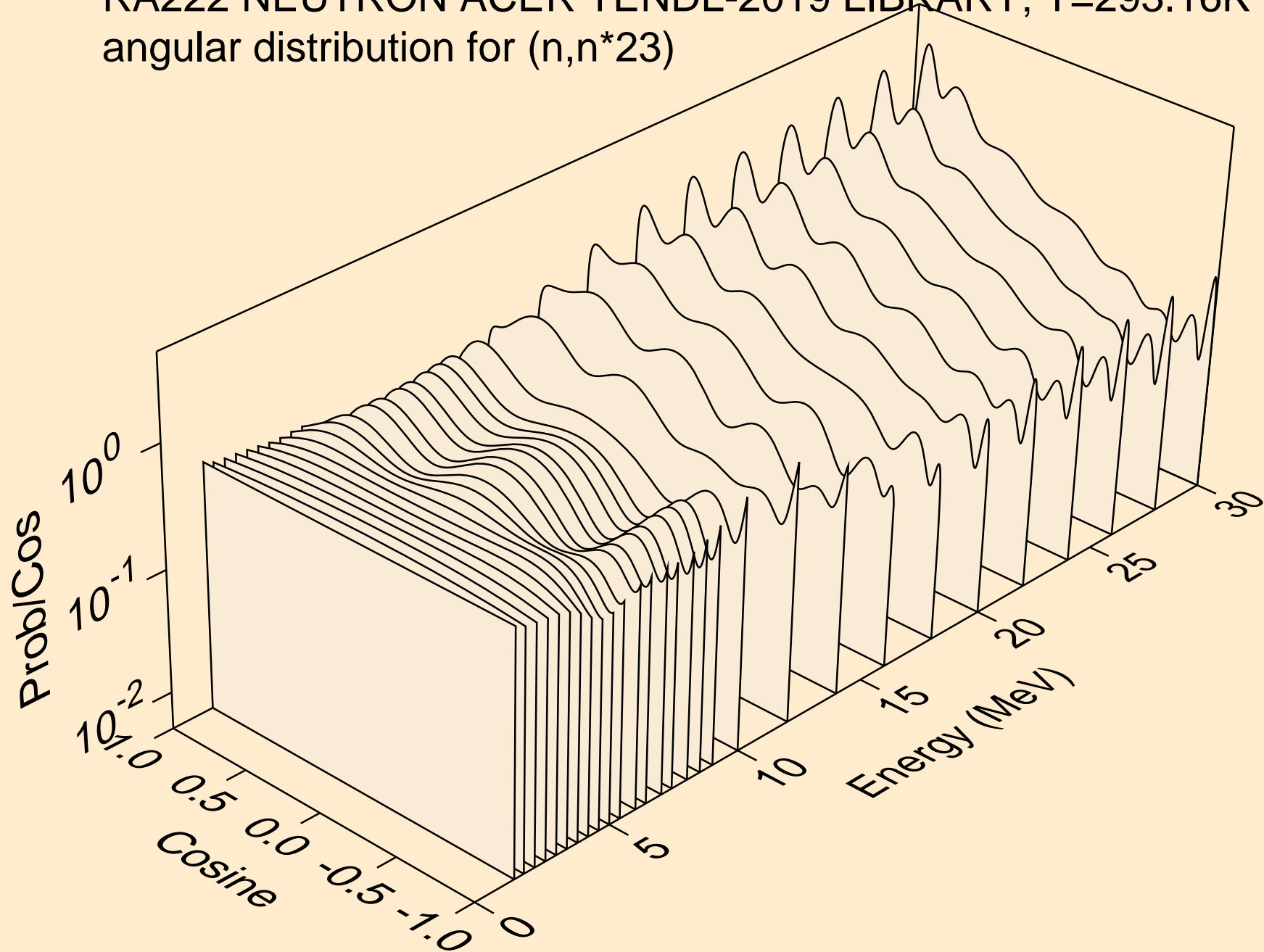
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angular distribution for (n,n\*21)



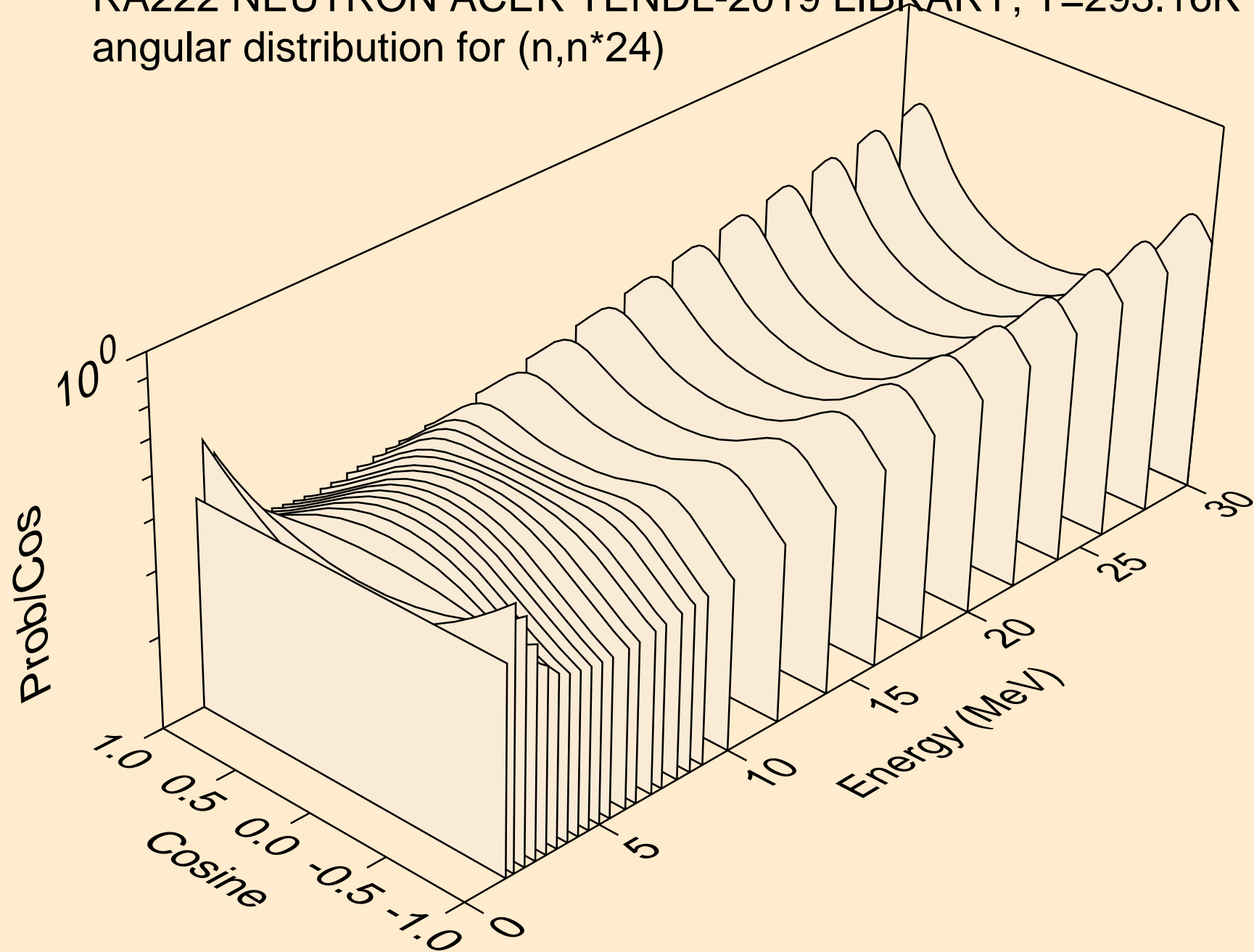
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angular distribution for (n,n\*22)



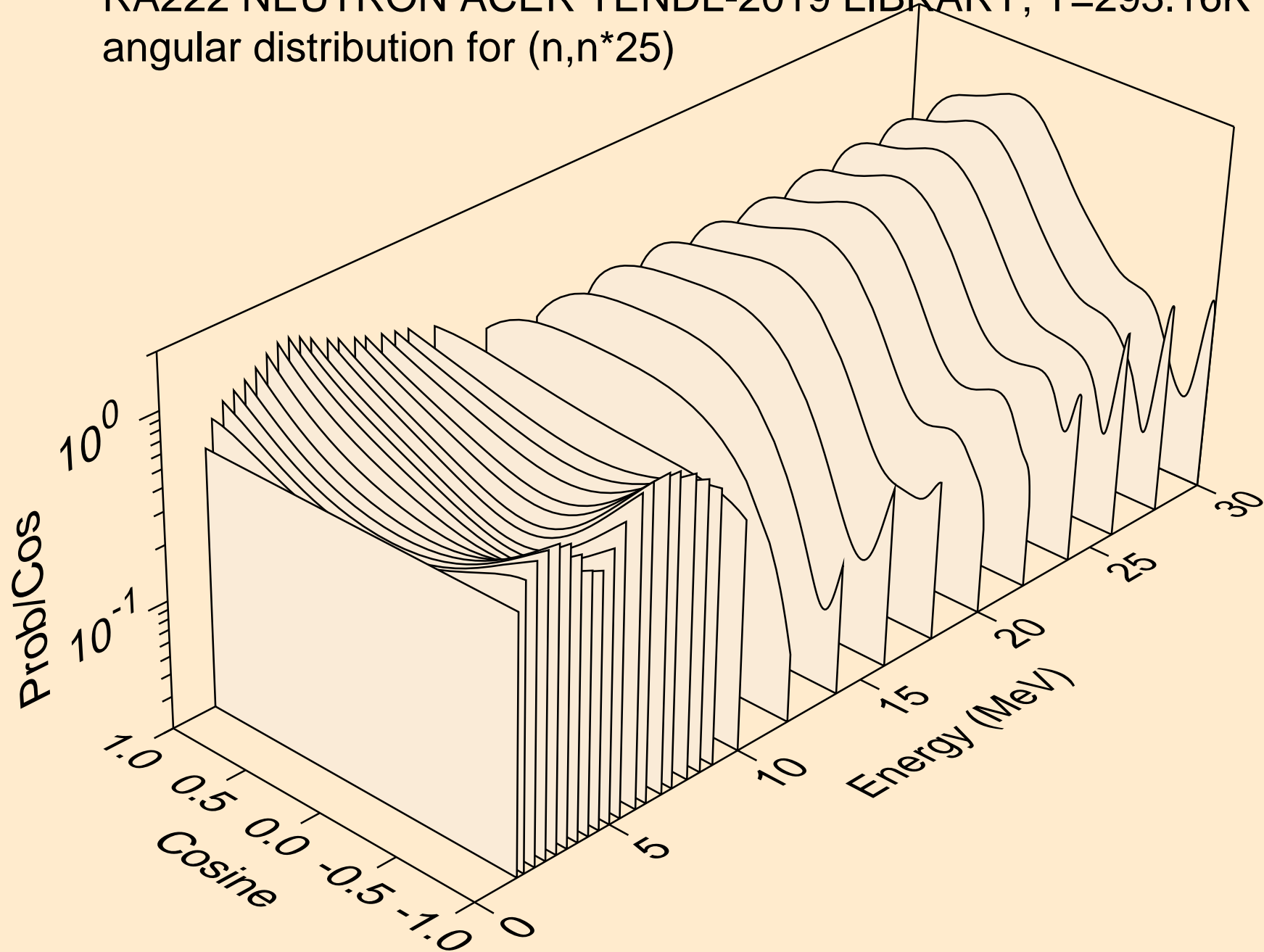
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angular distribution for (n,n\*23)



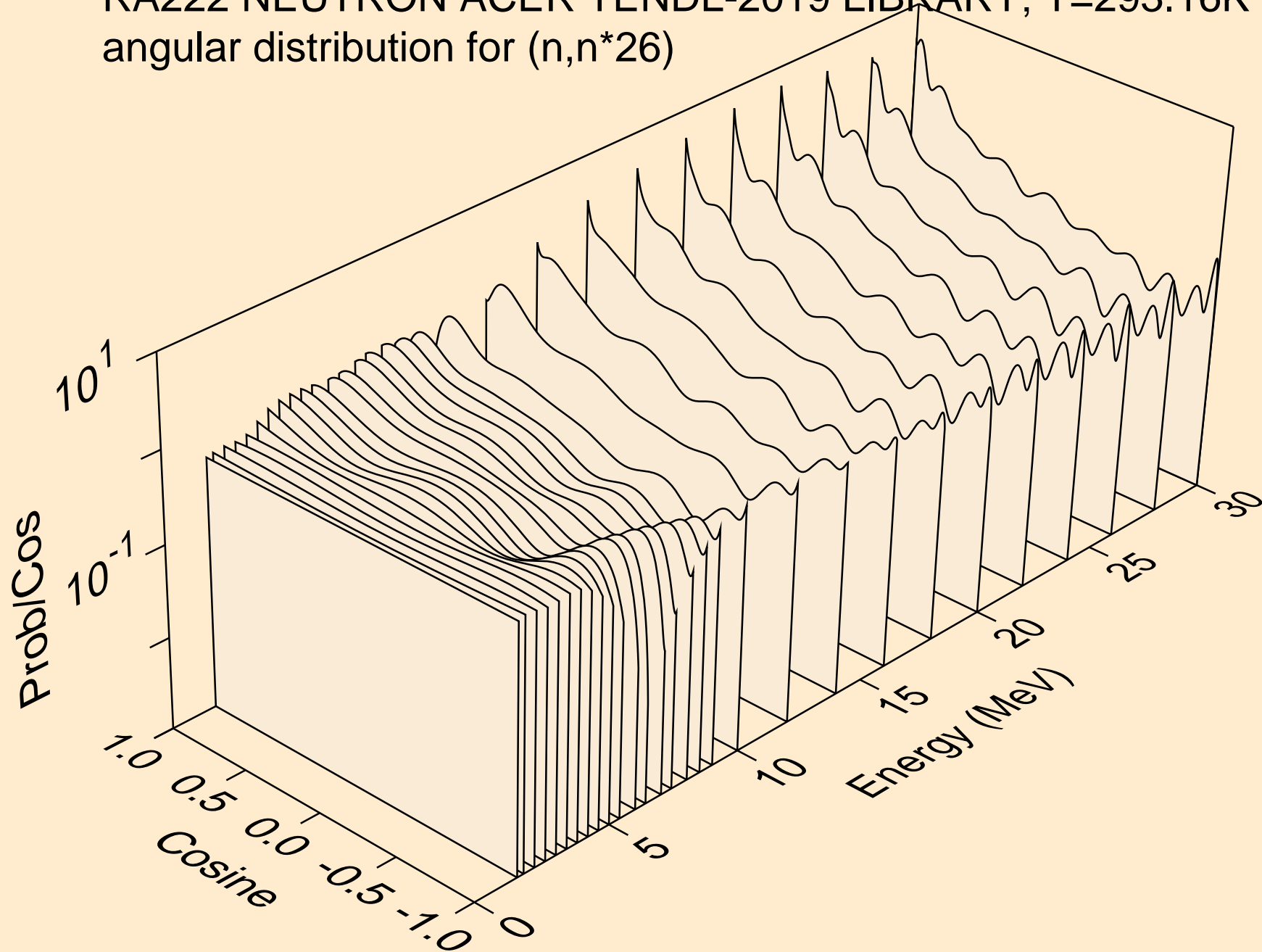
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angular distribution for (n,n\*24)



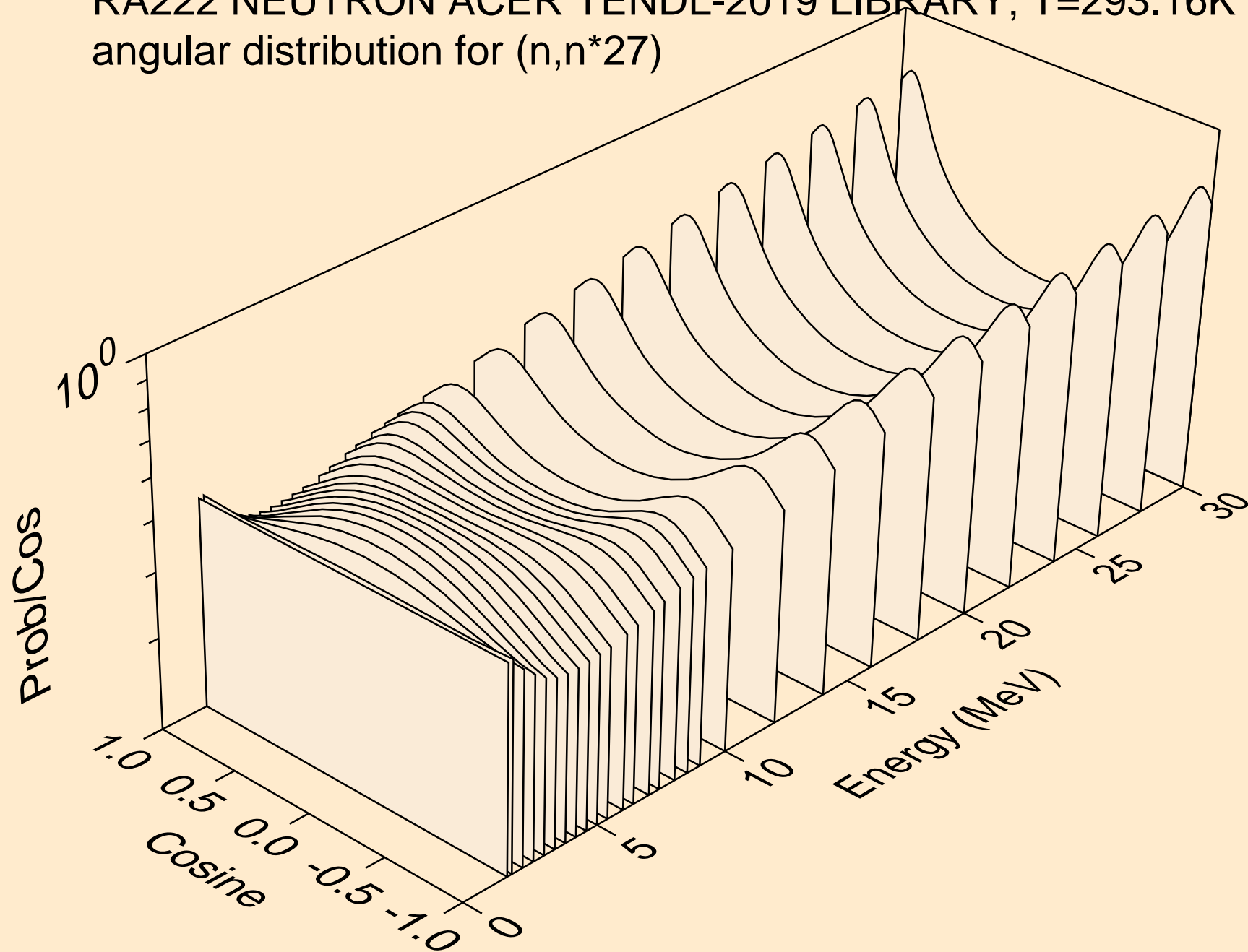
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*25)



RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*26)

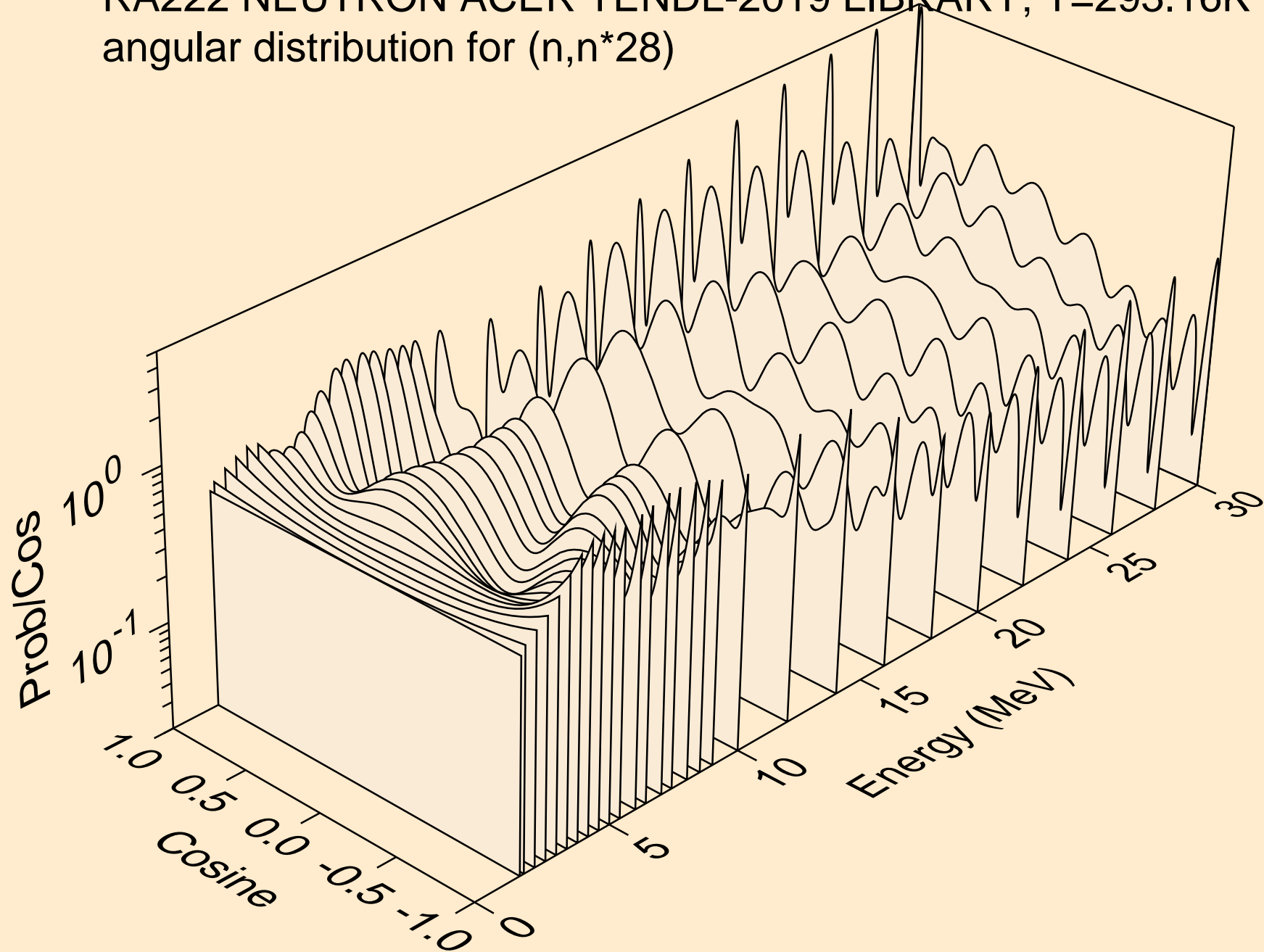


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angular distribution for (n,n\*27)

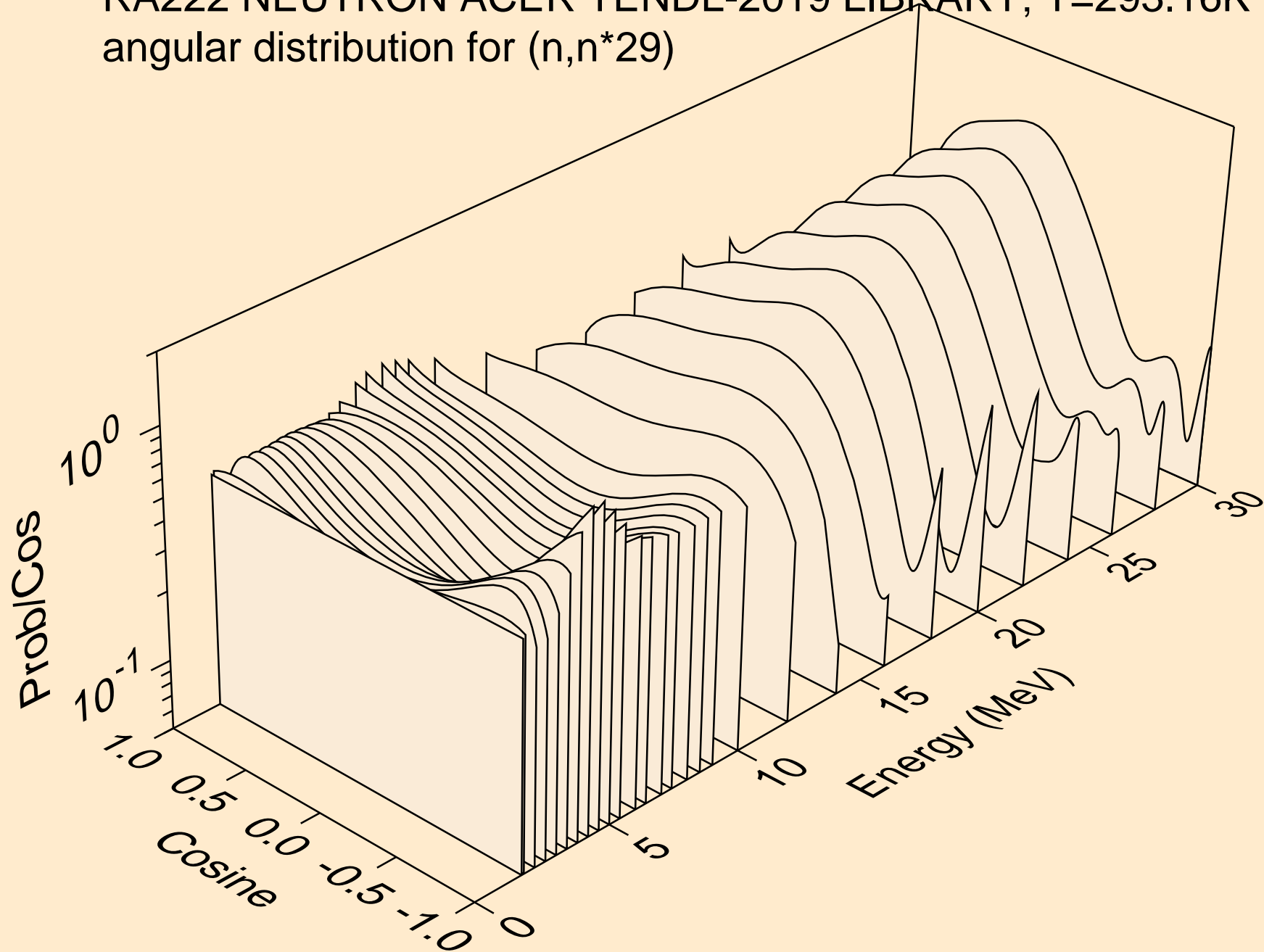




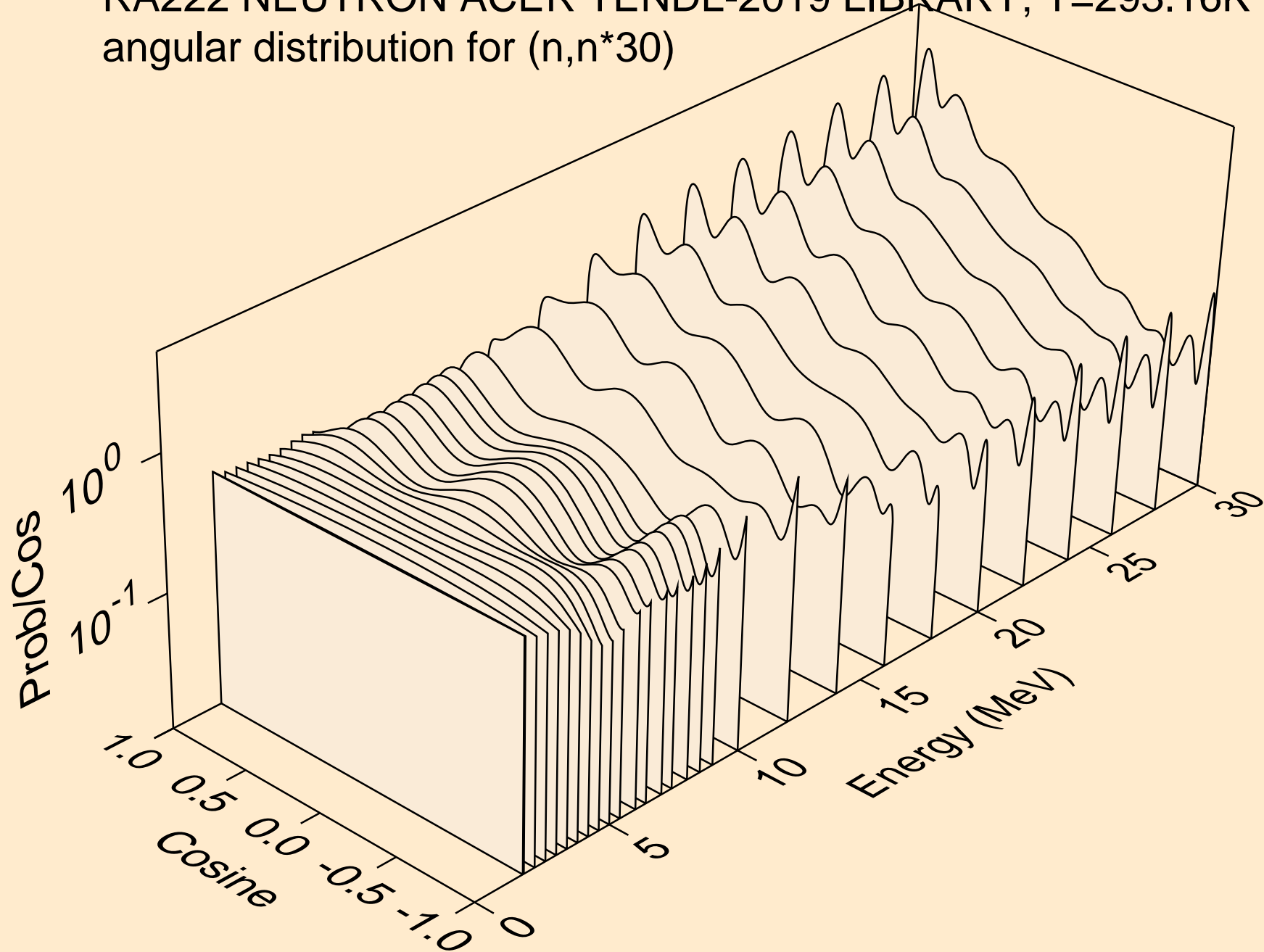
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angular distribution for (n,n\*28)



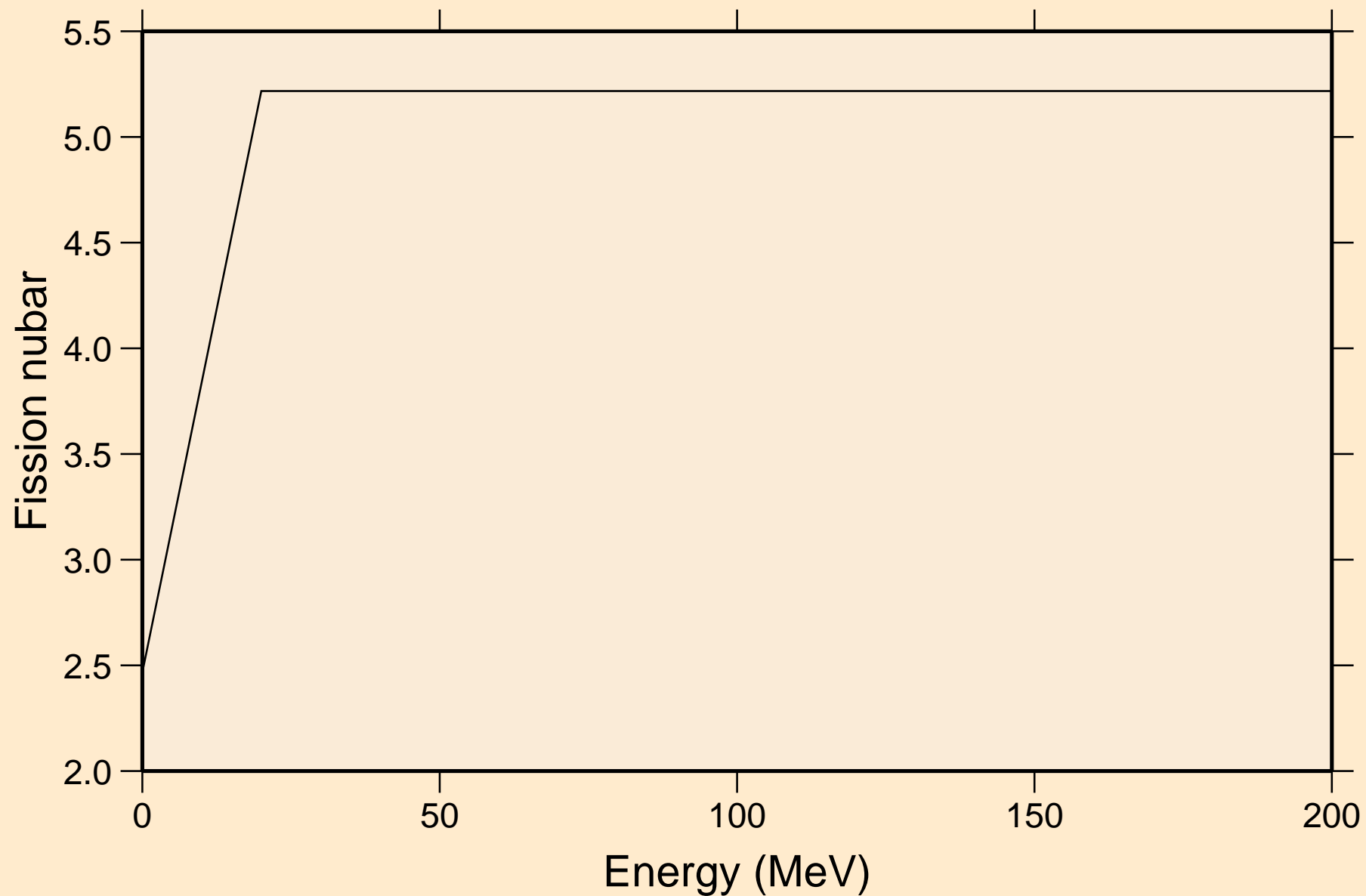
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angular distribution for (n,n\*29)



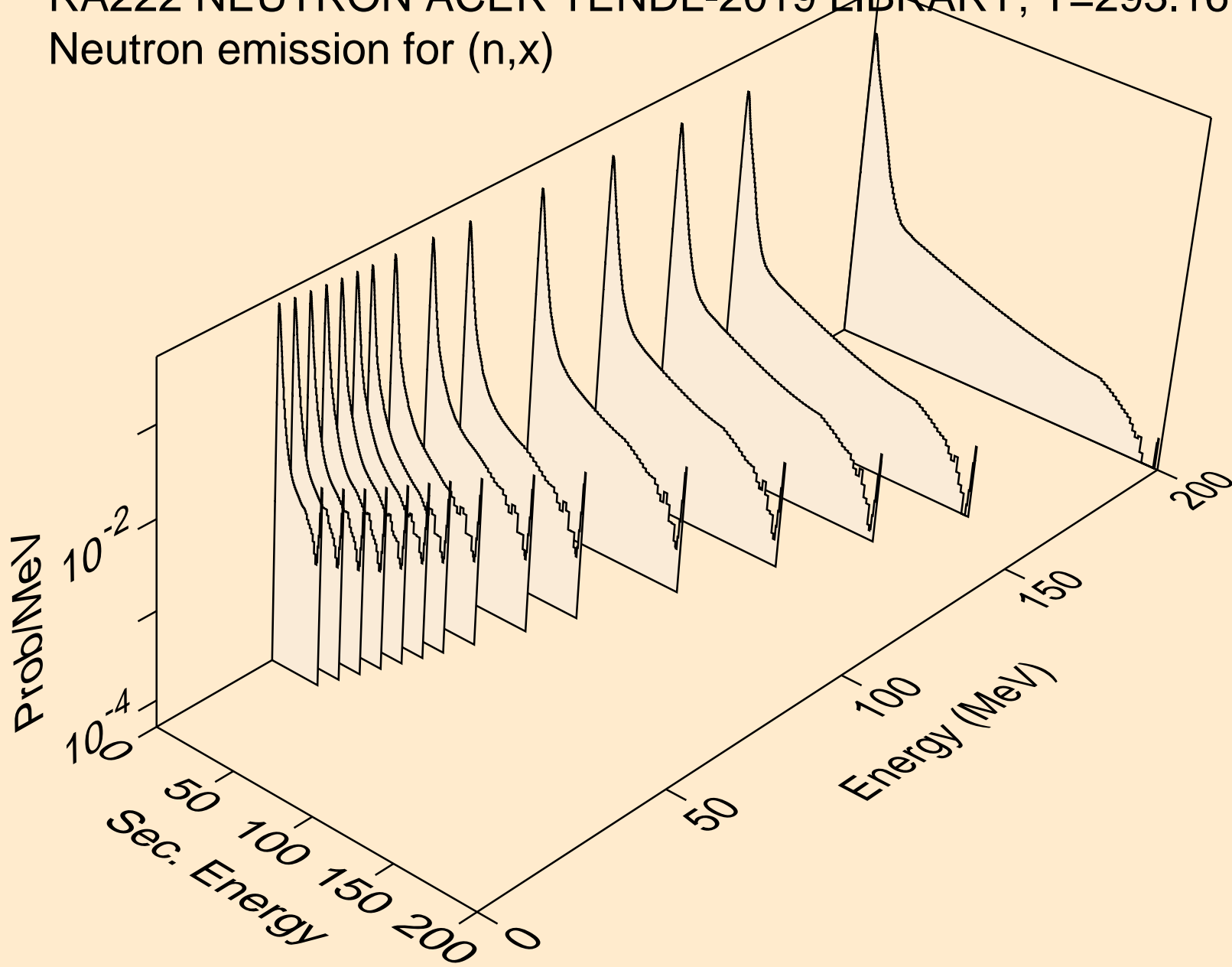
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angular distribution for (n,n\*30)



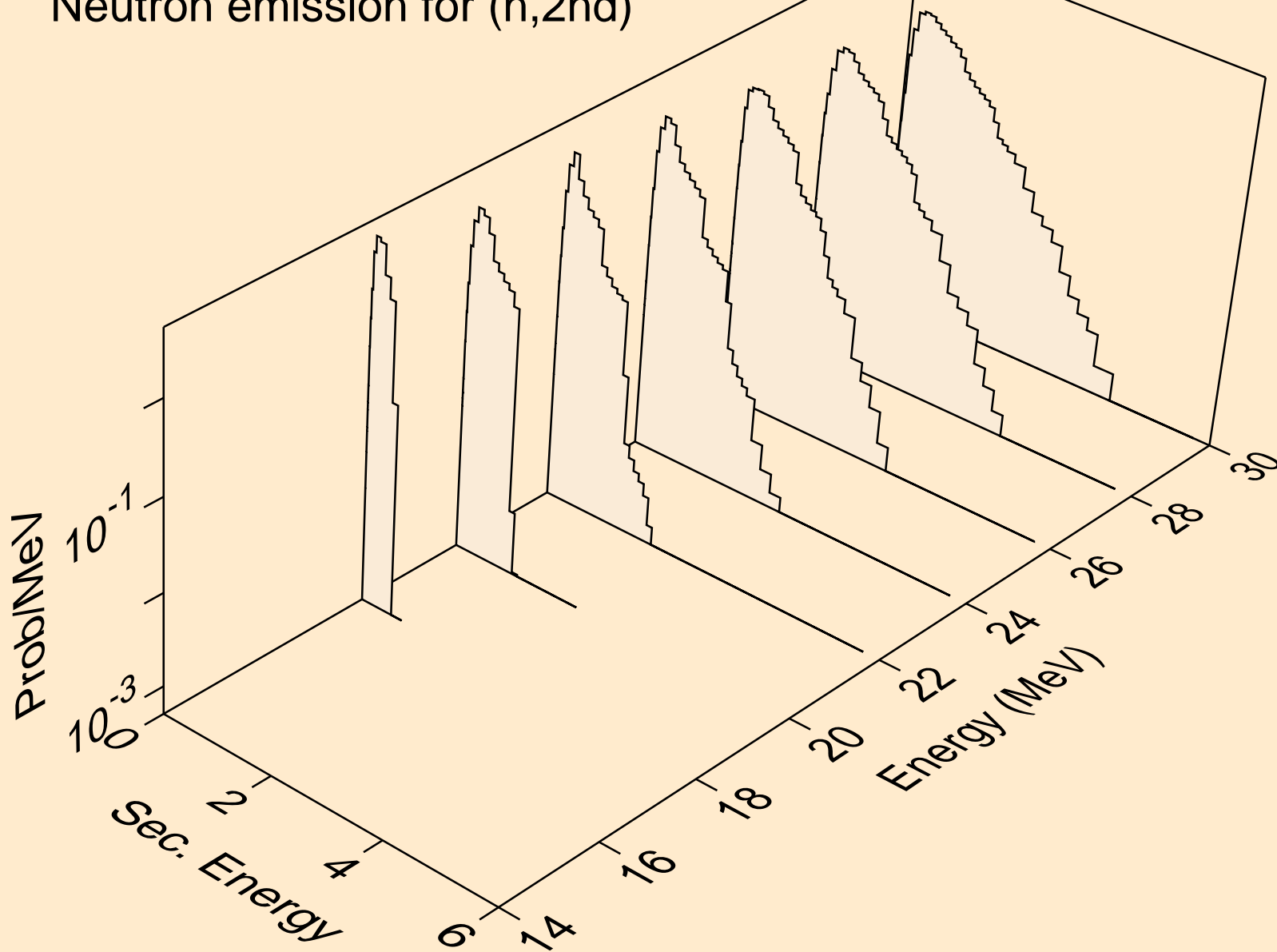
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Total fission nubar



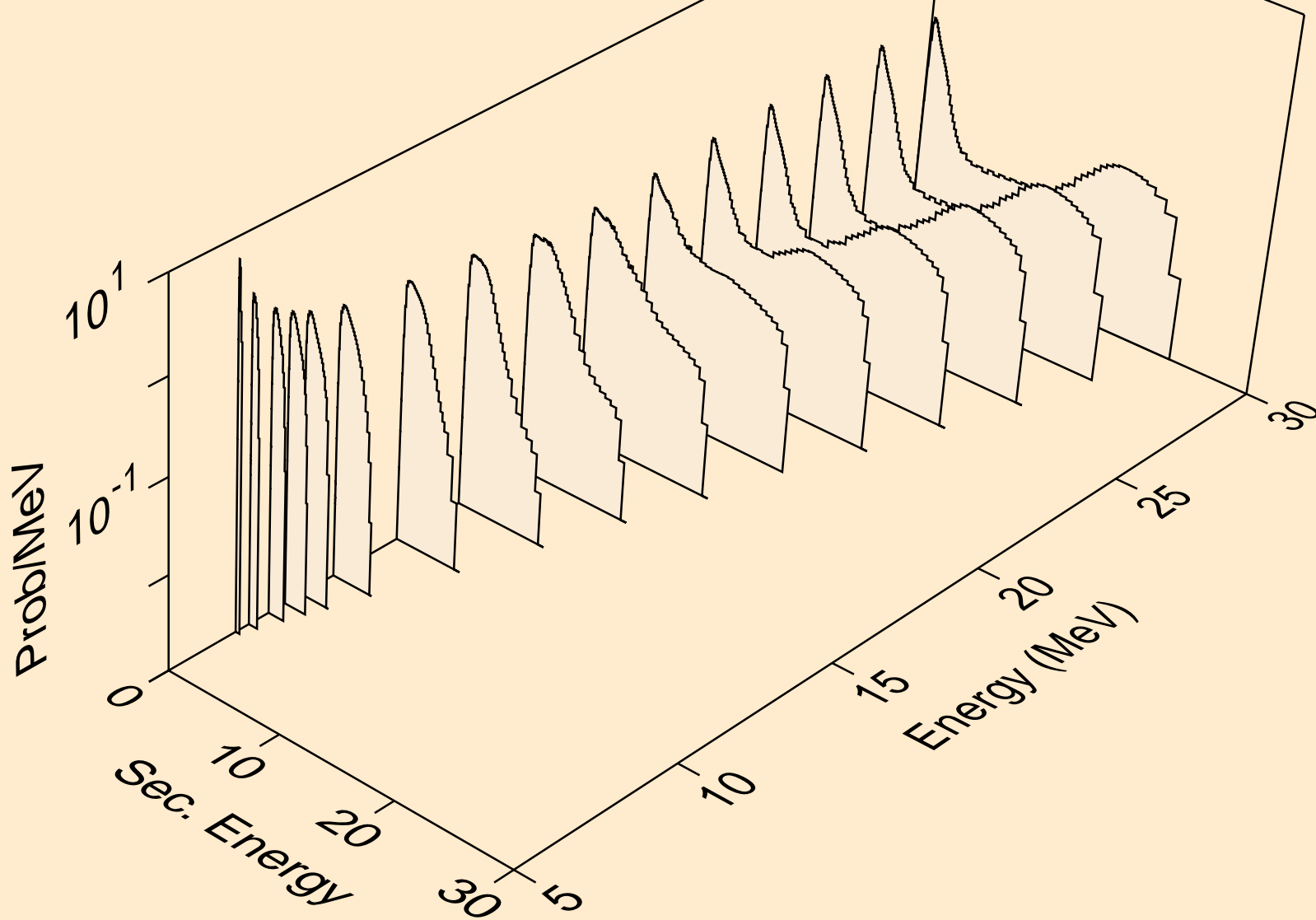
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



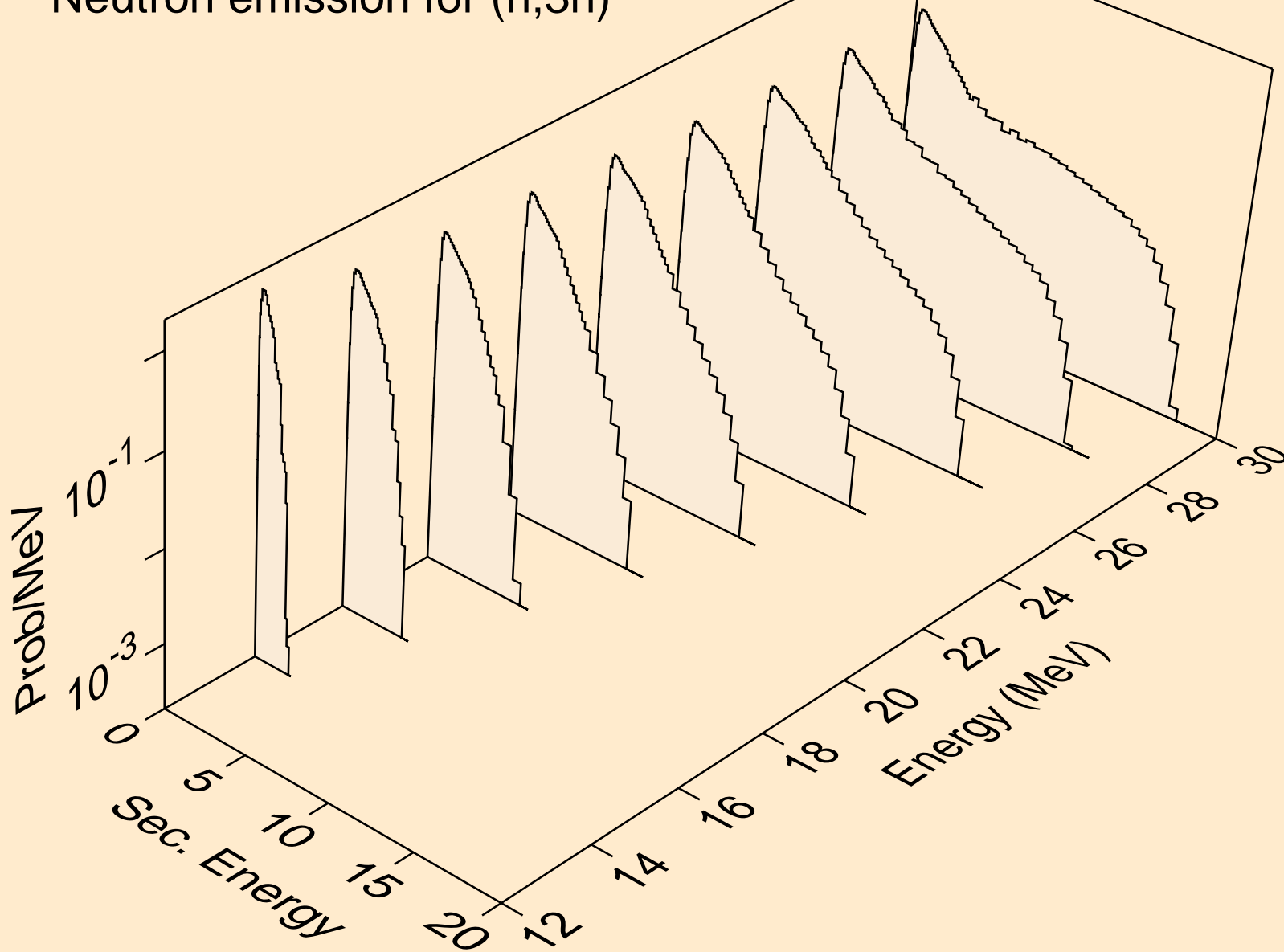
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)

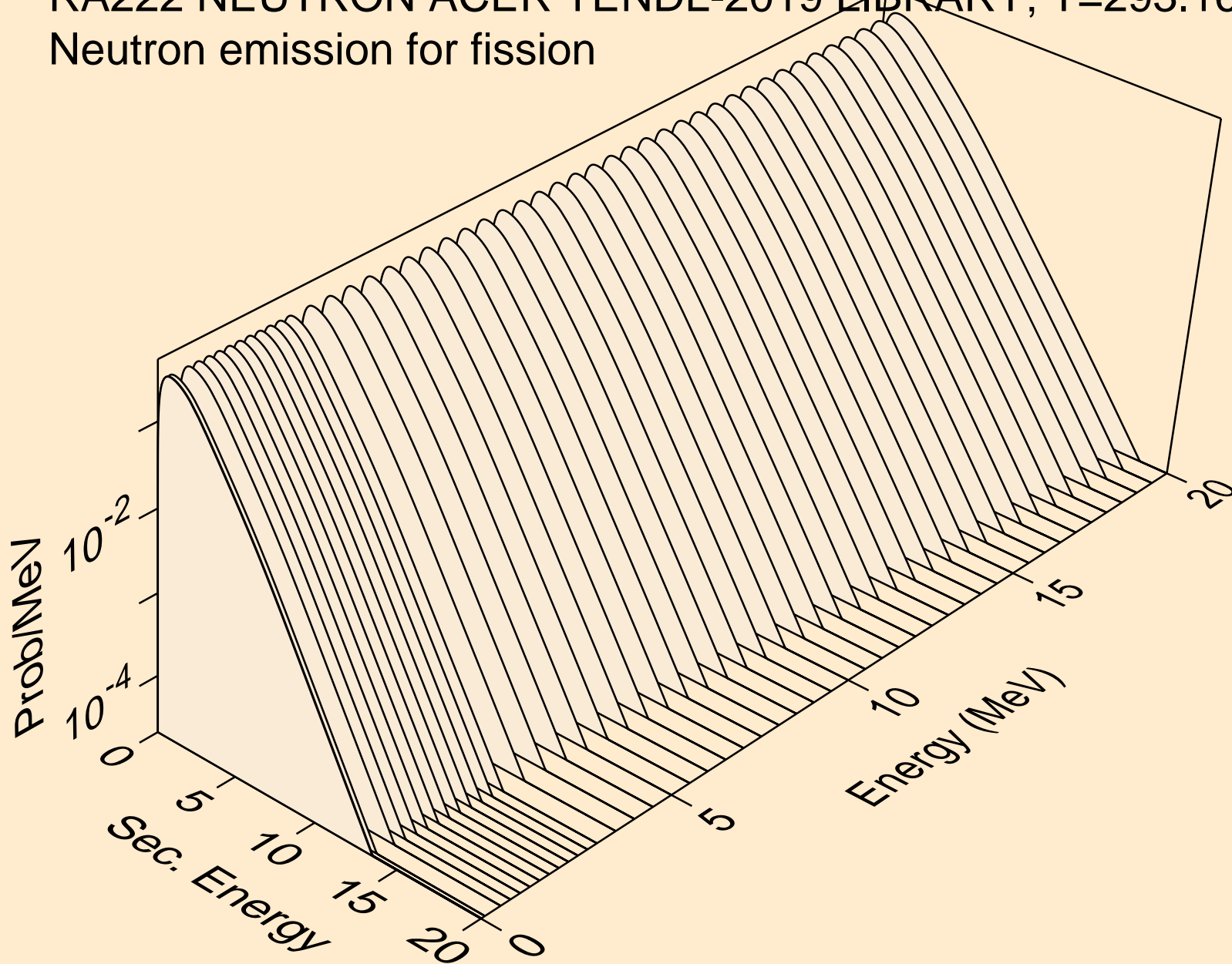


RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)

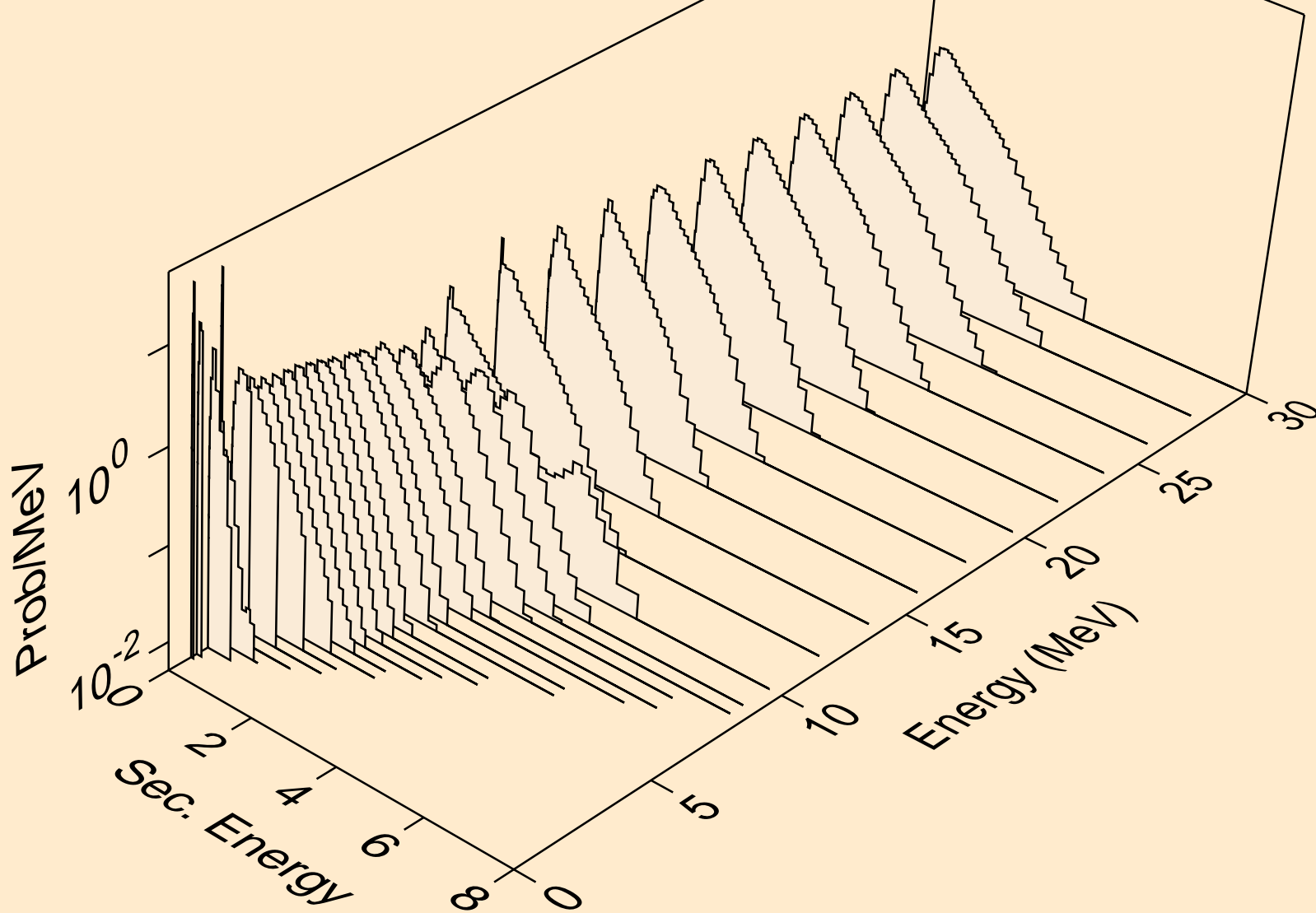




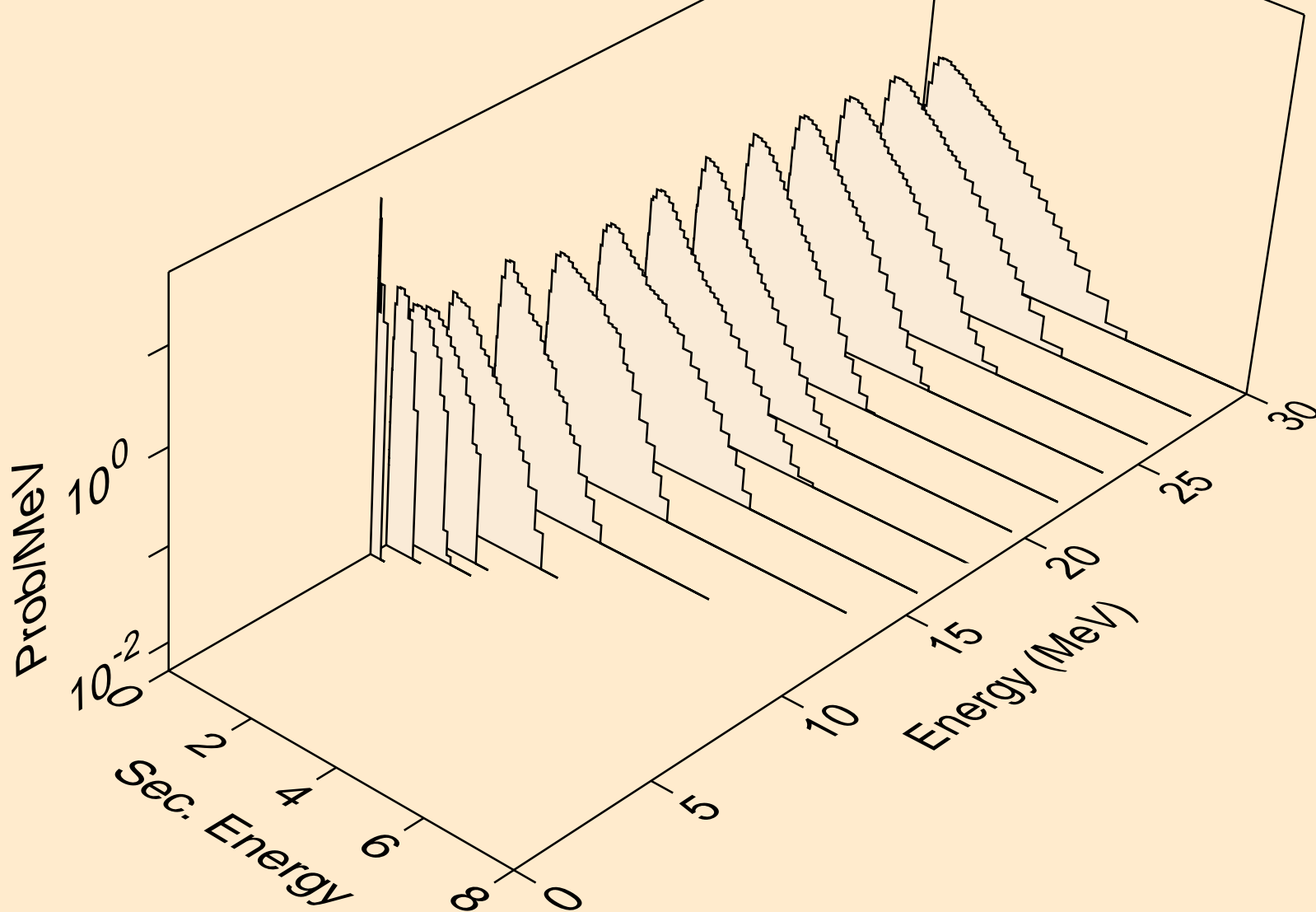
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for fission



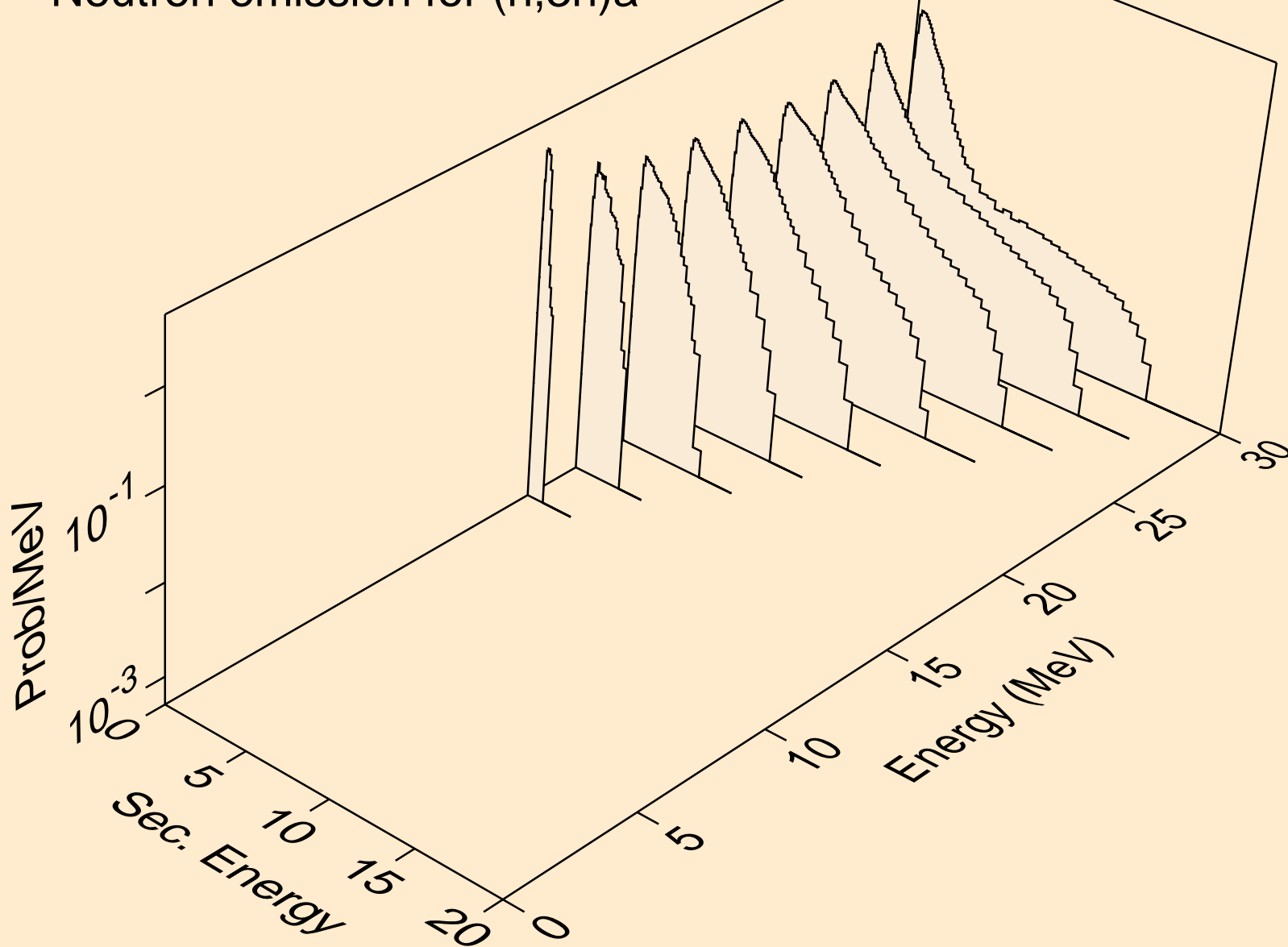
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



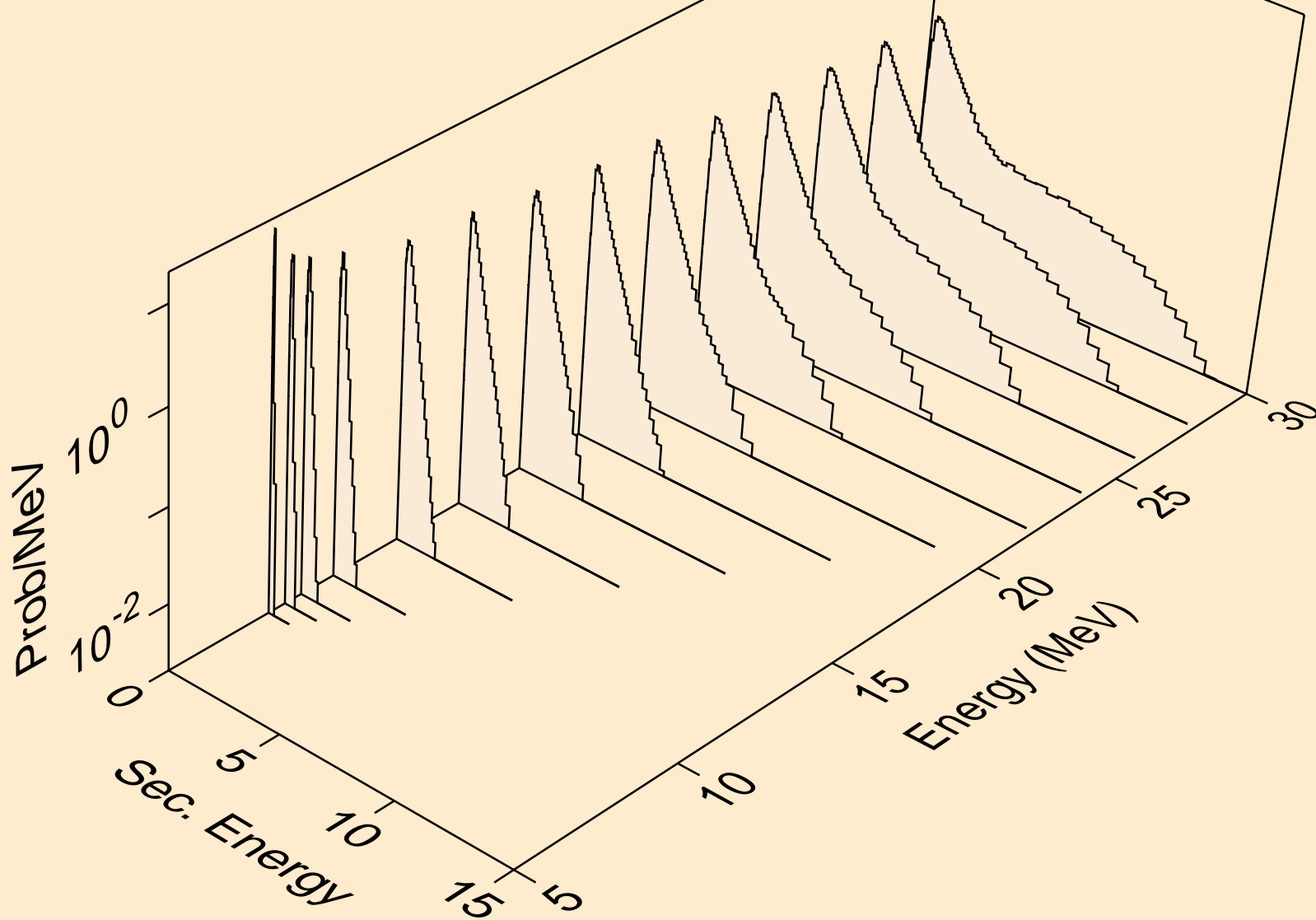
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a



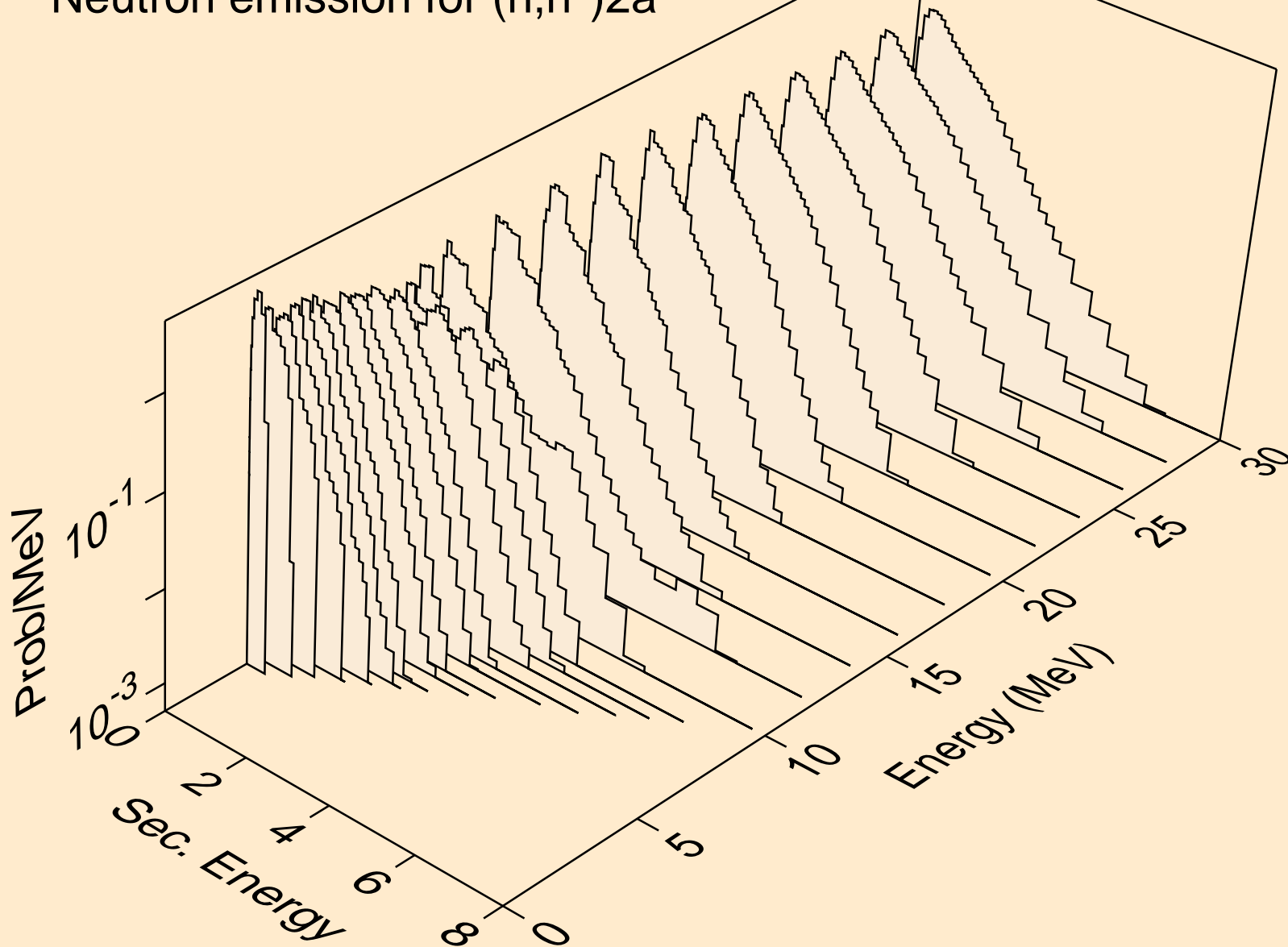
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



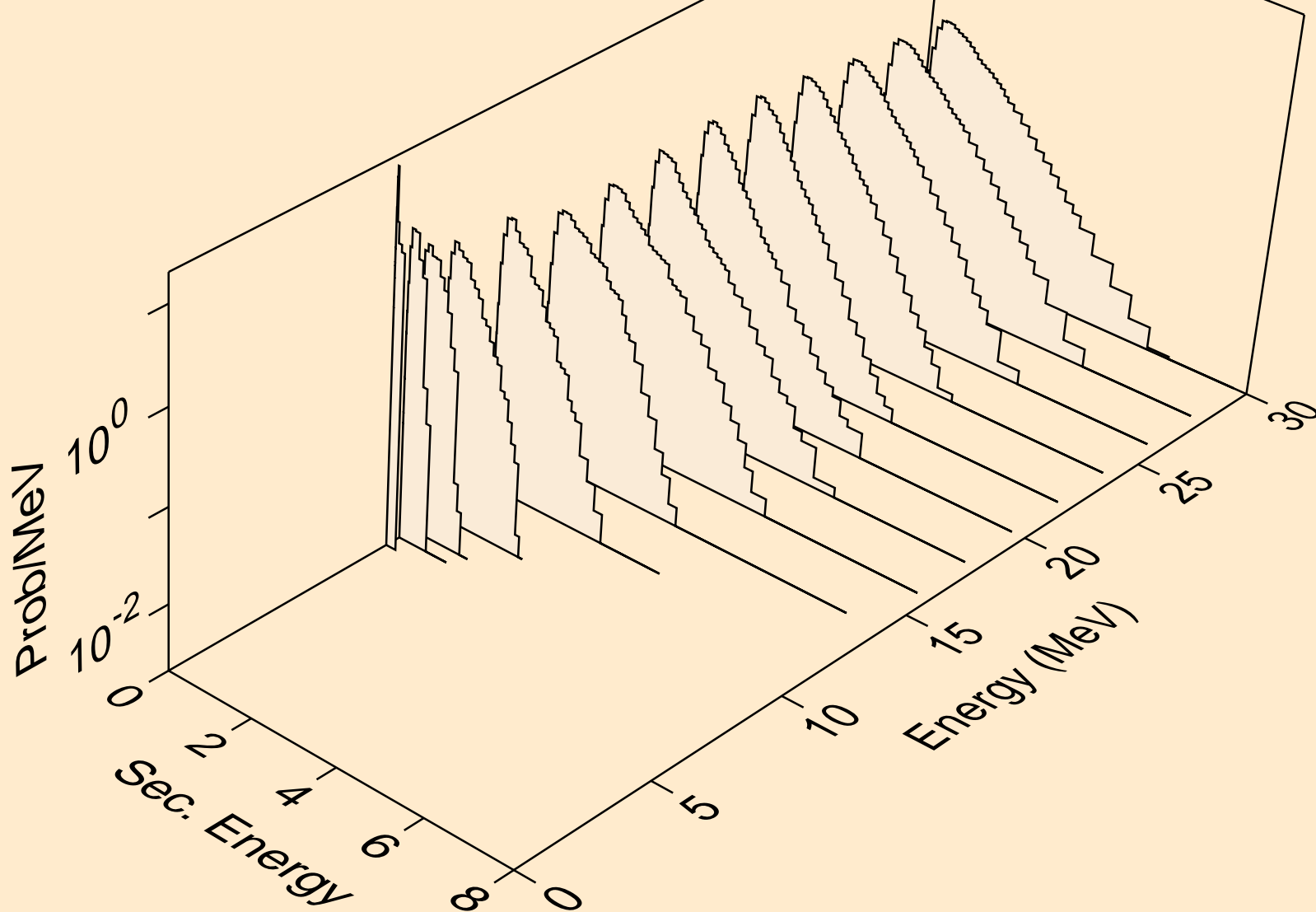
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



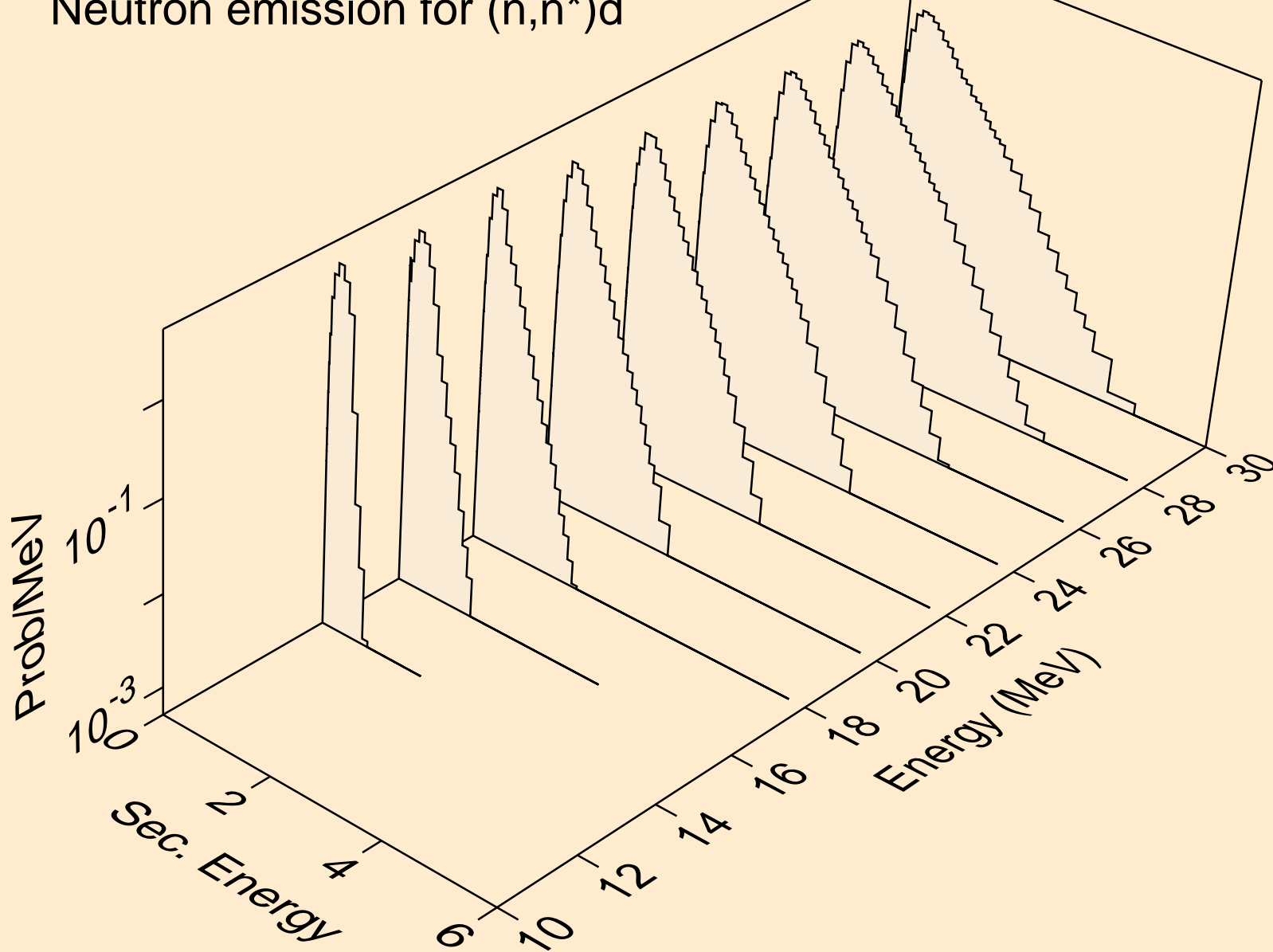
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a



RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)2a

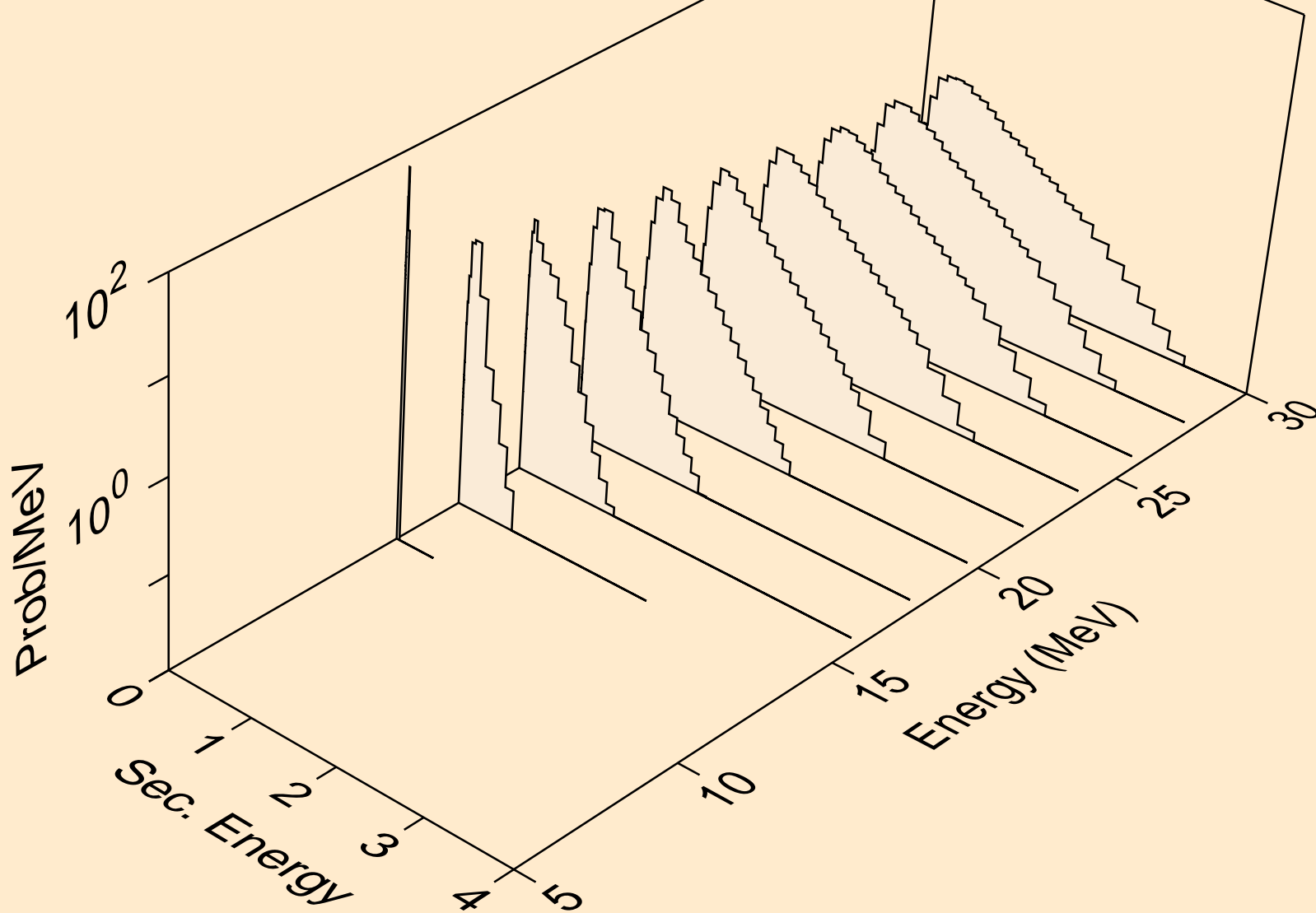


RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d

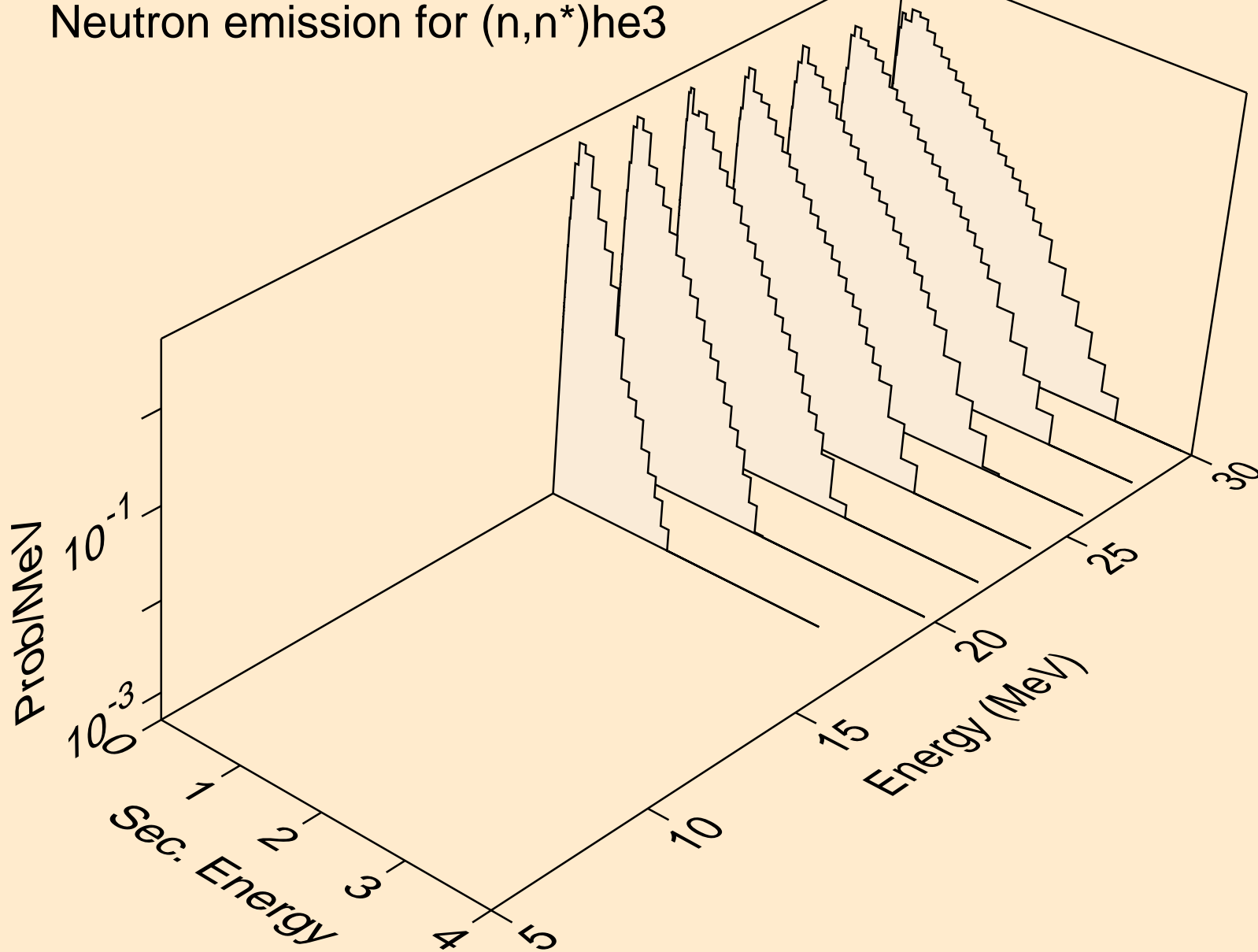




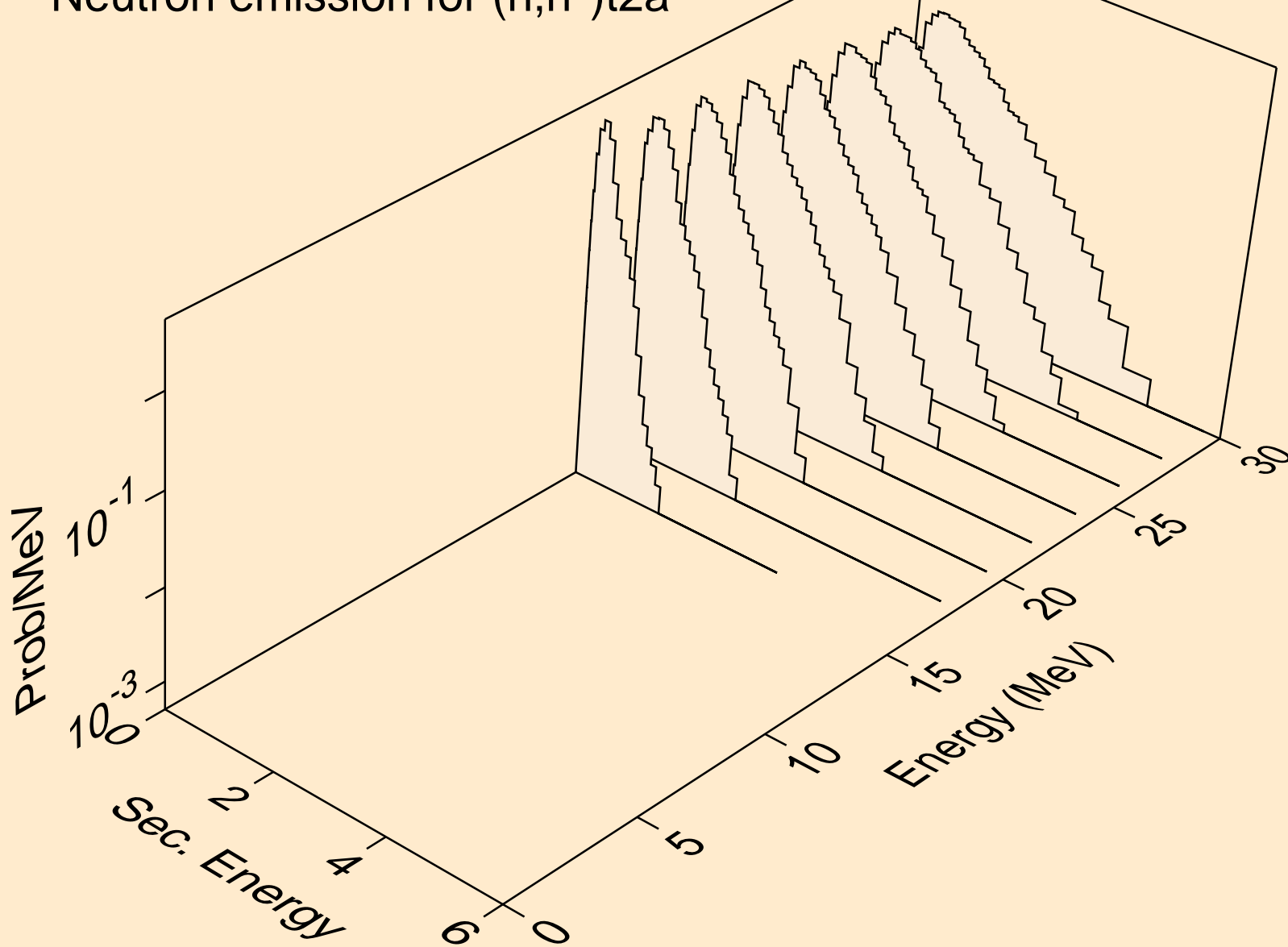
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



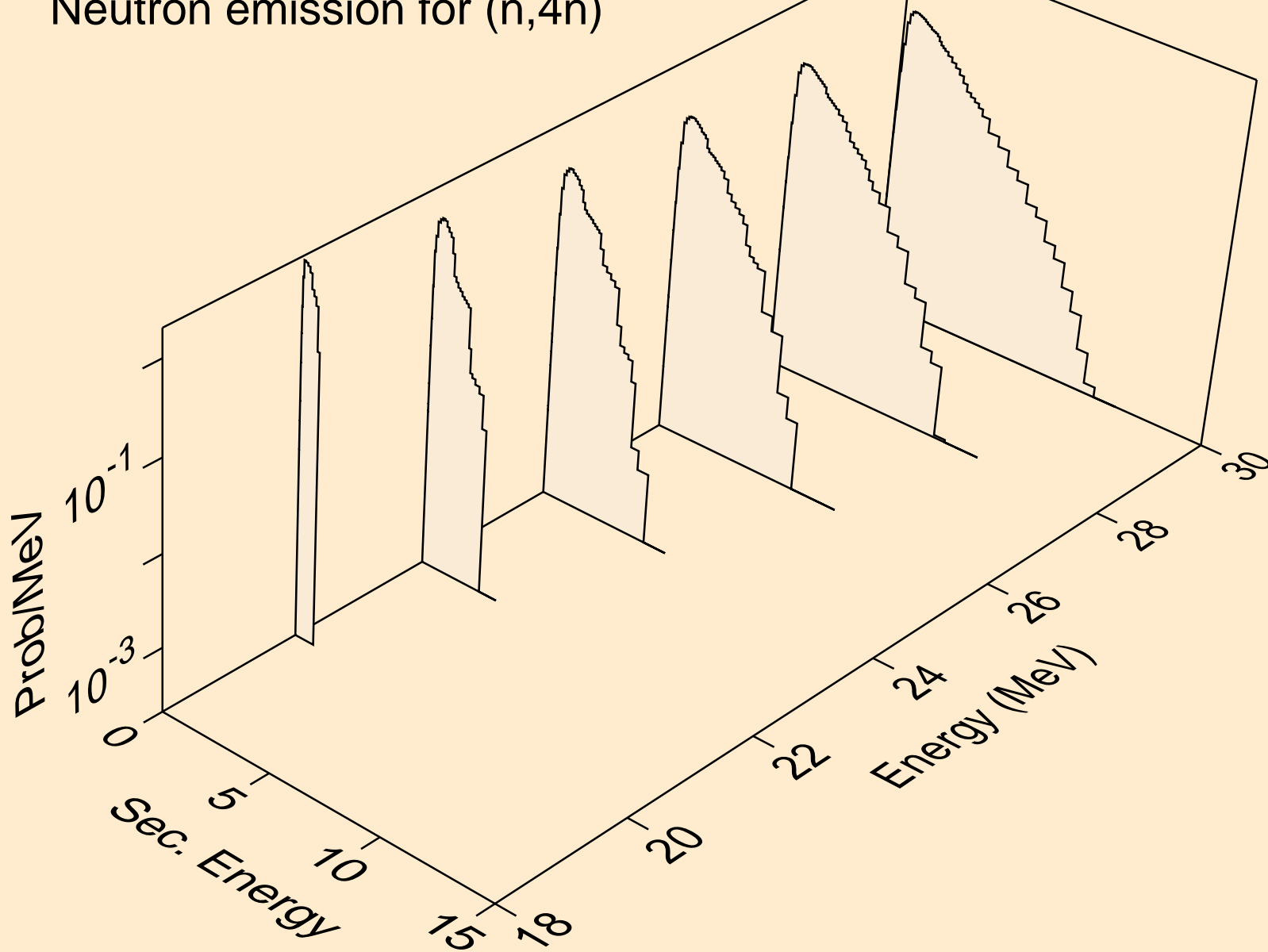
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



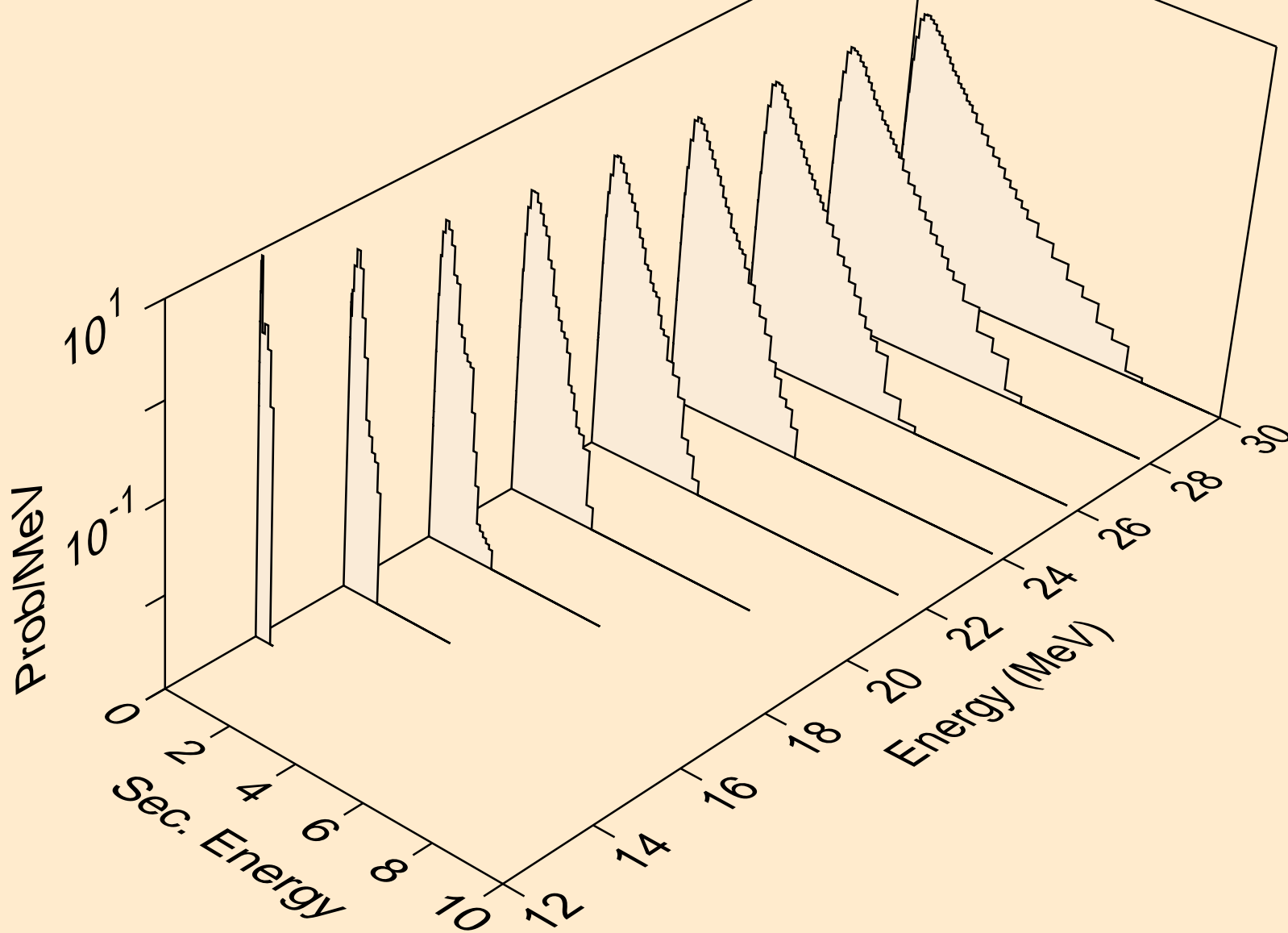
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t2a



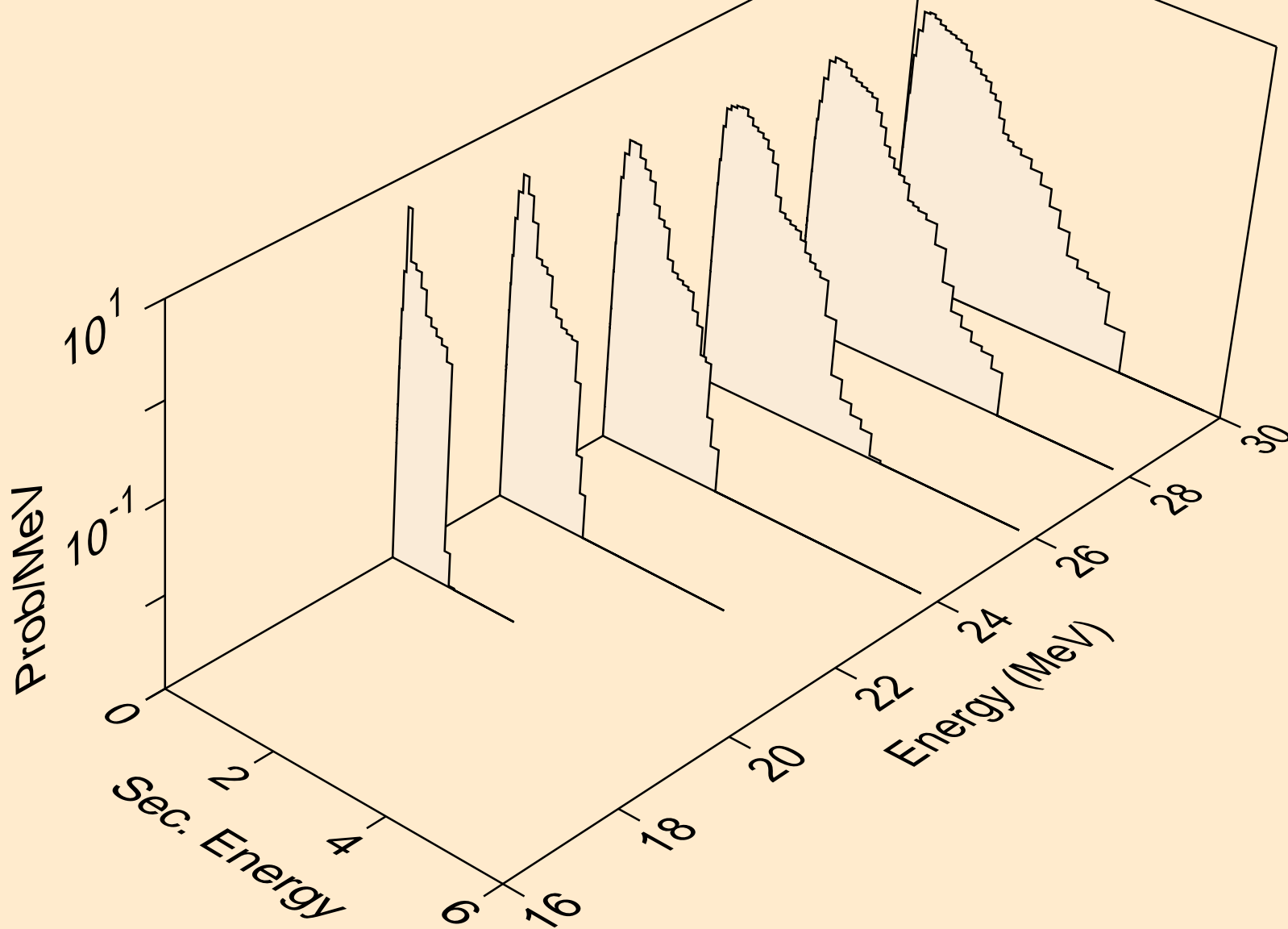
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)



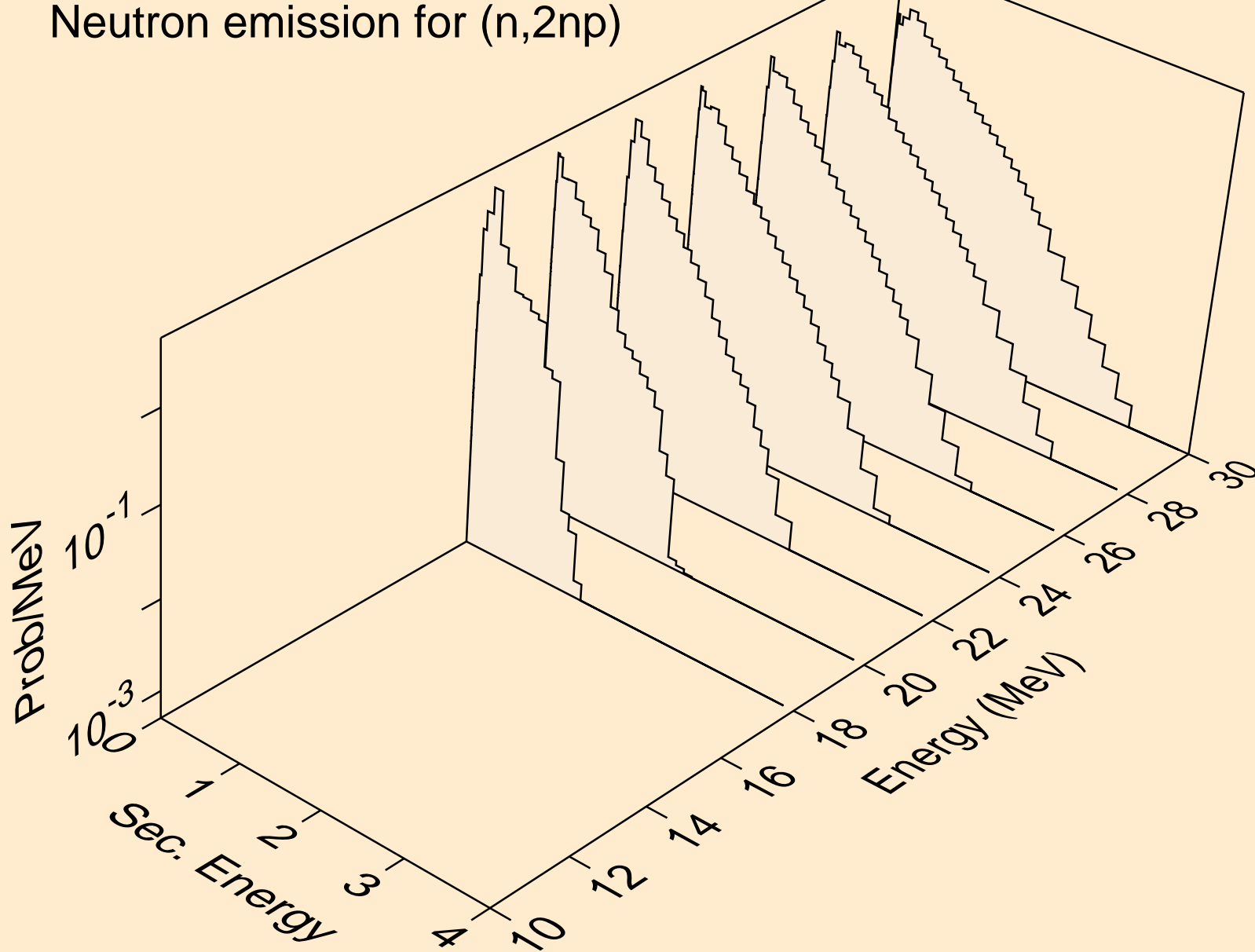
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



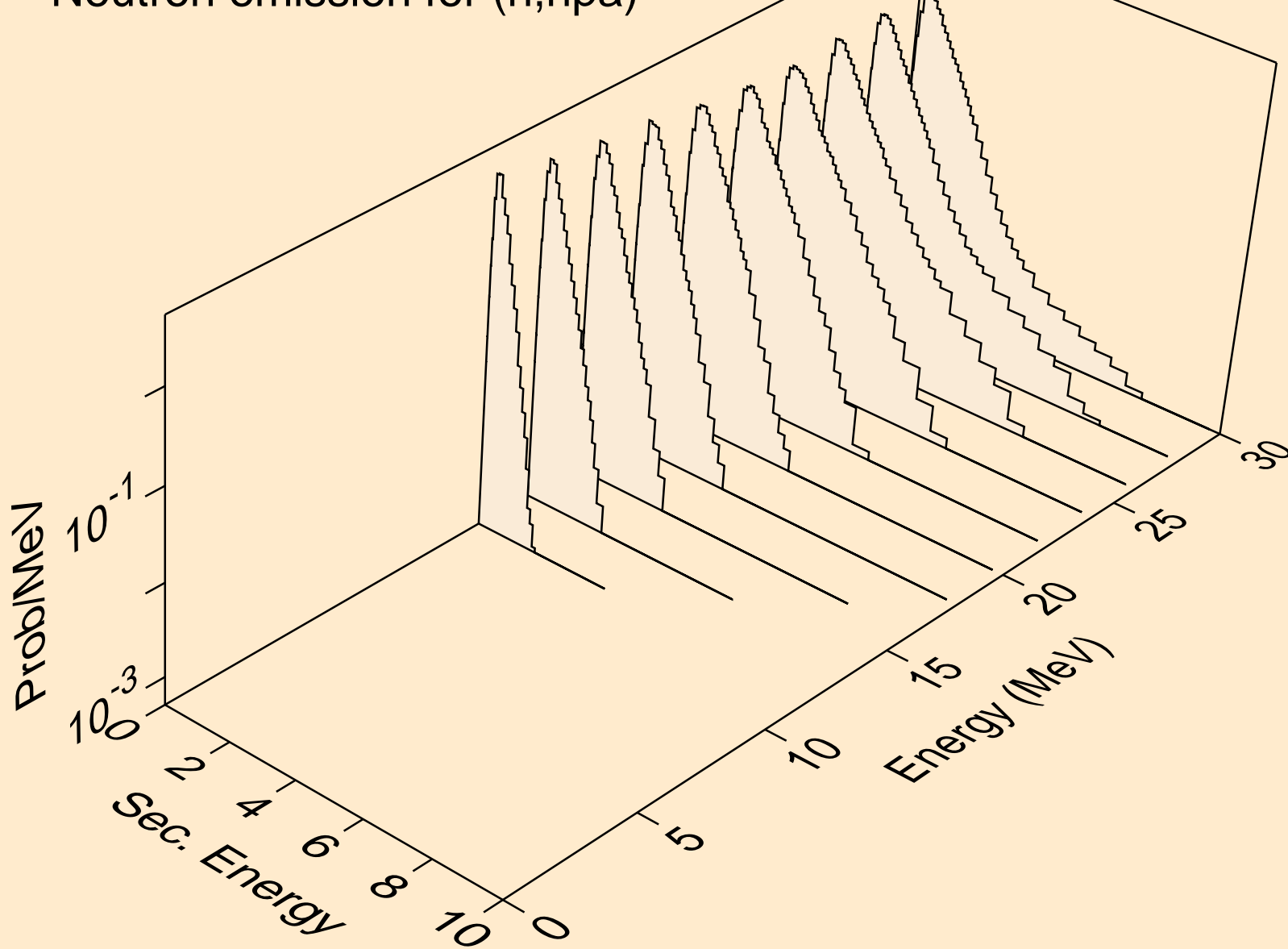
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)



RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)

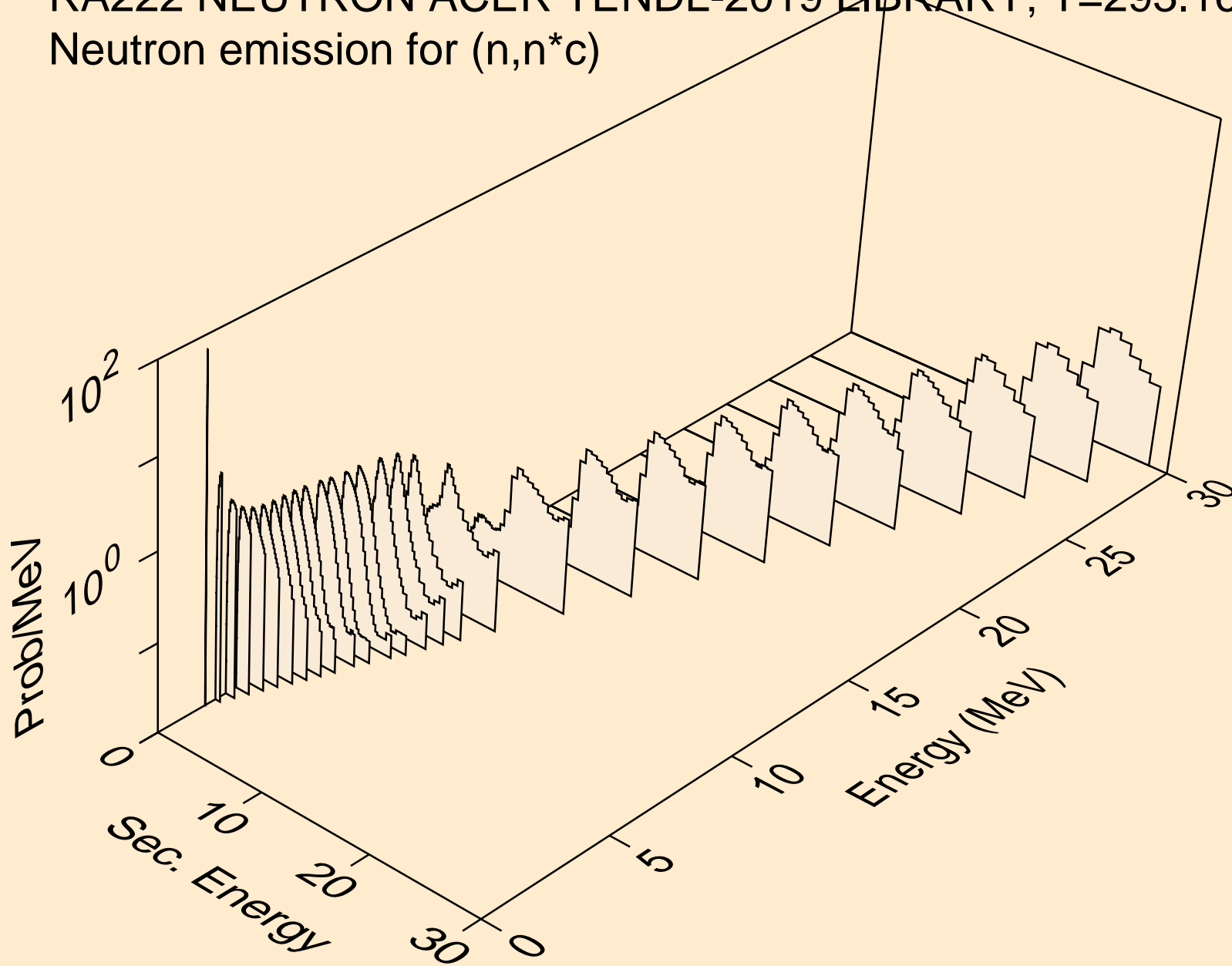


RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)



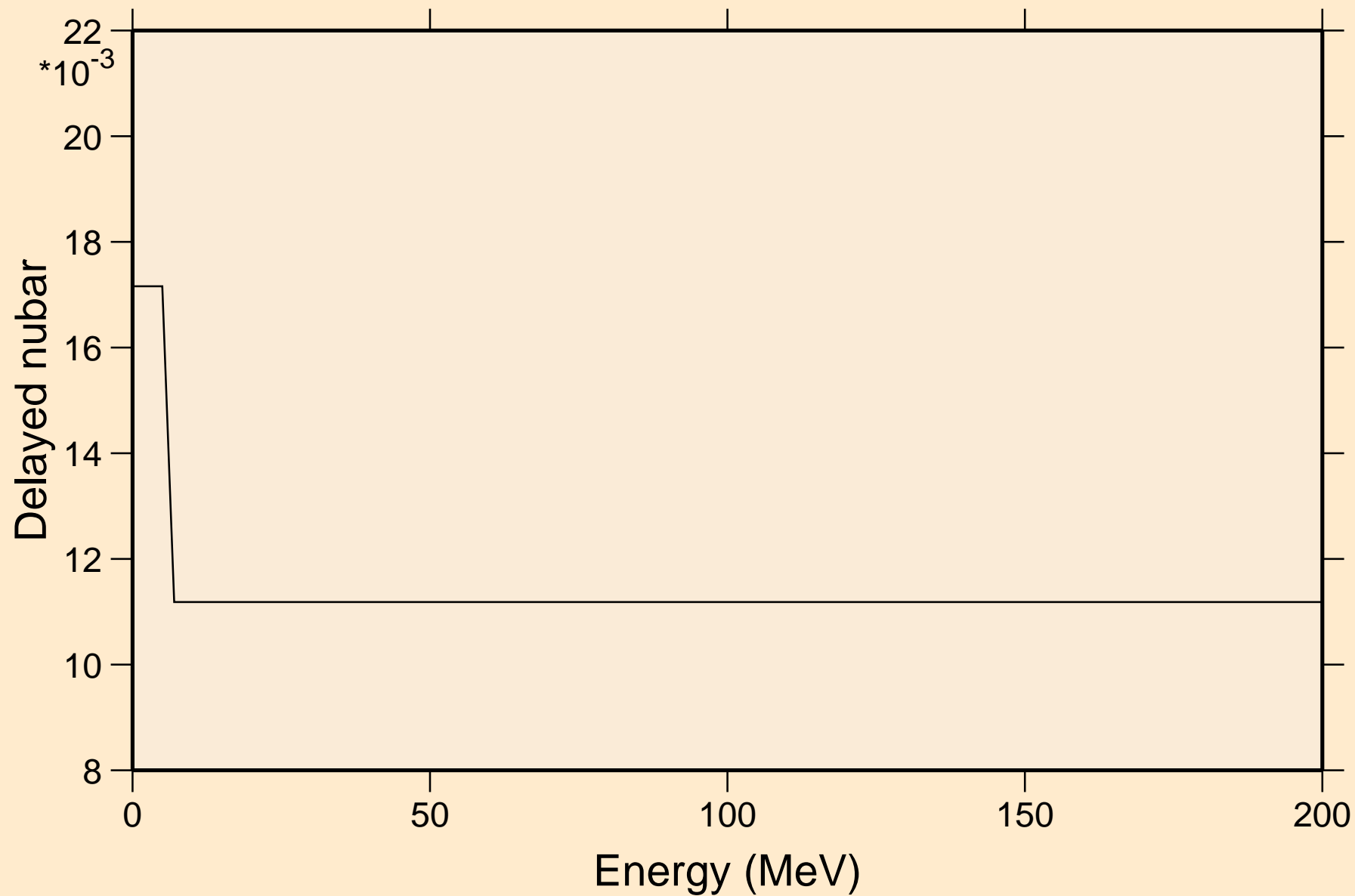


RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



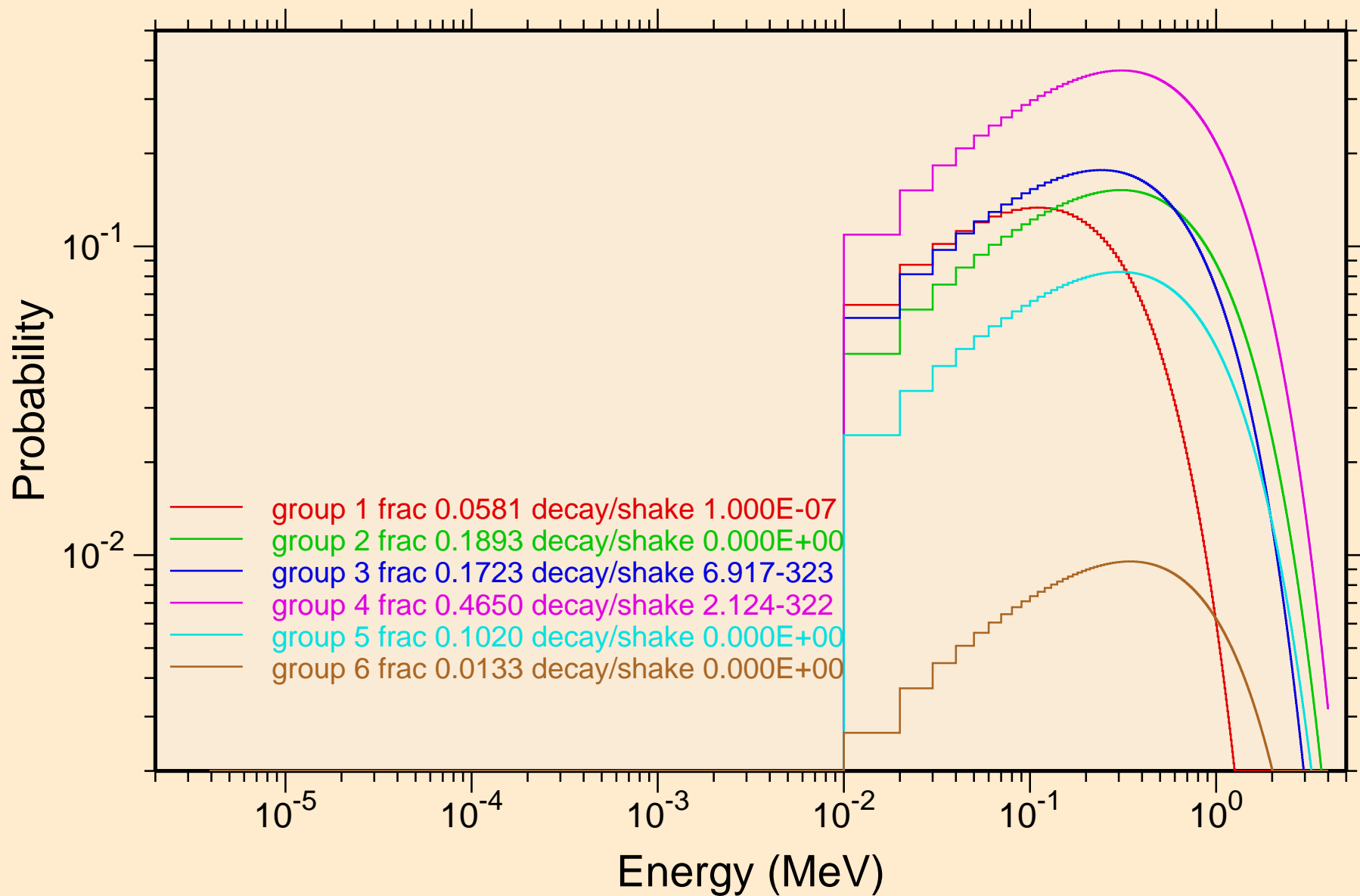
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Delayed nubar

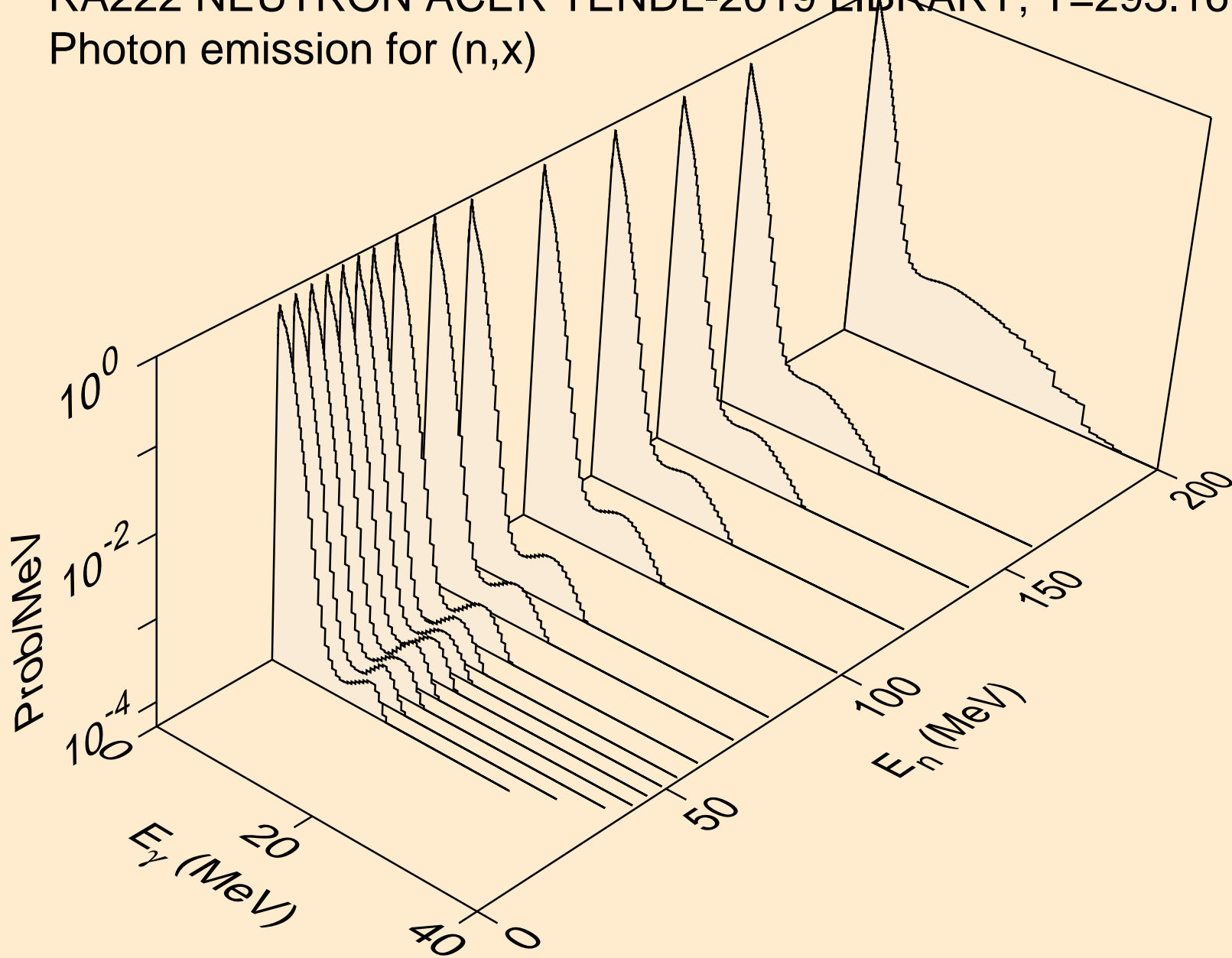


# RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

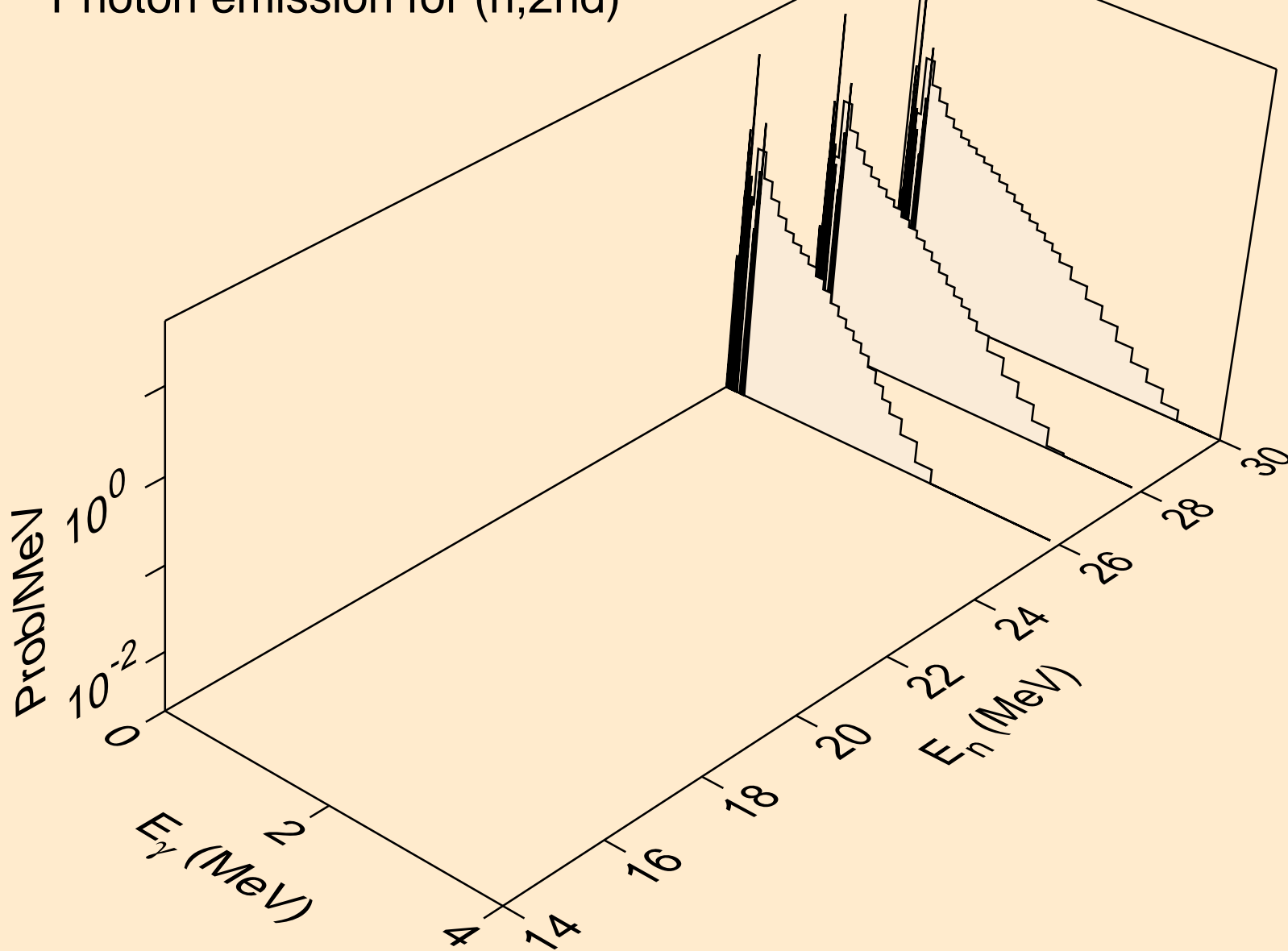
## Delayed neutron spectra



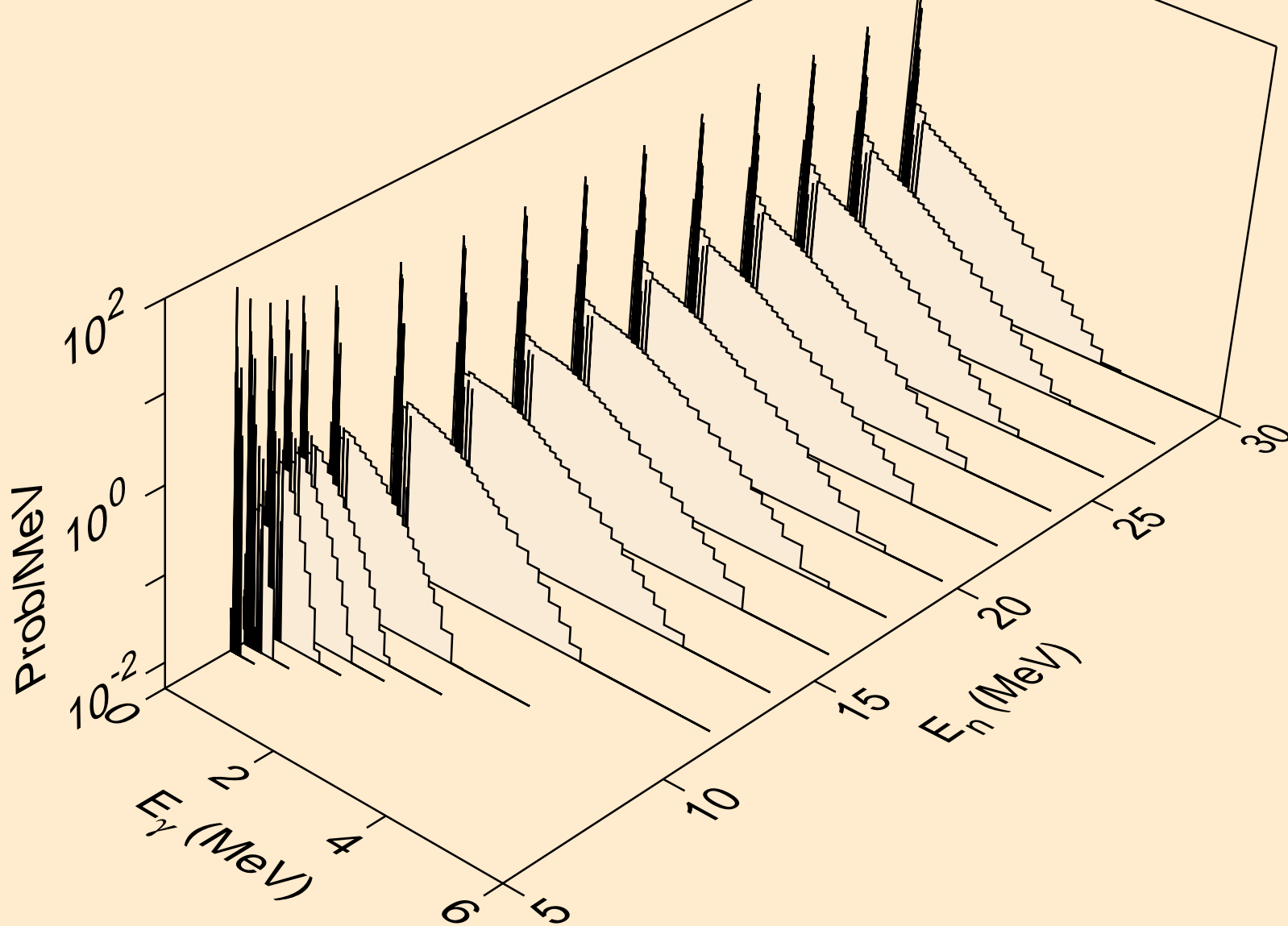
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



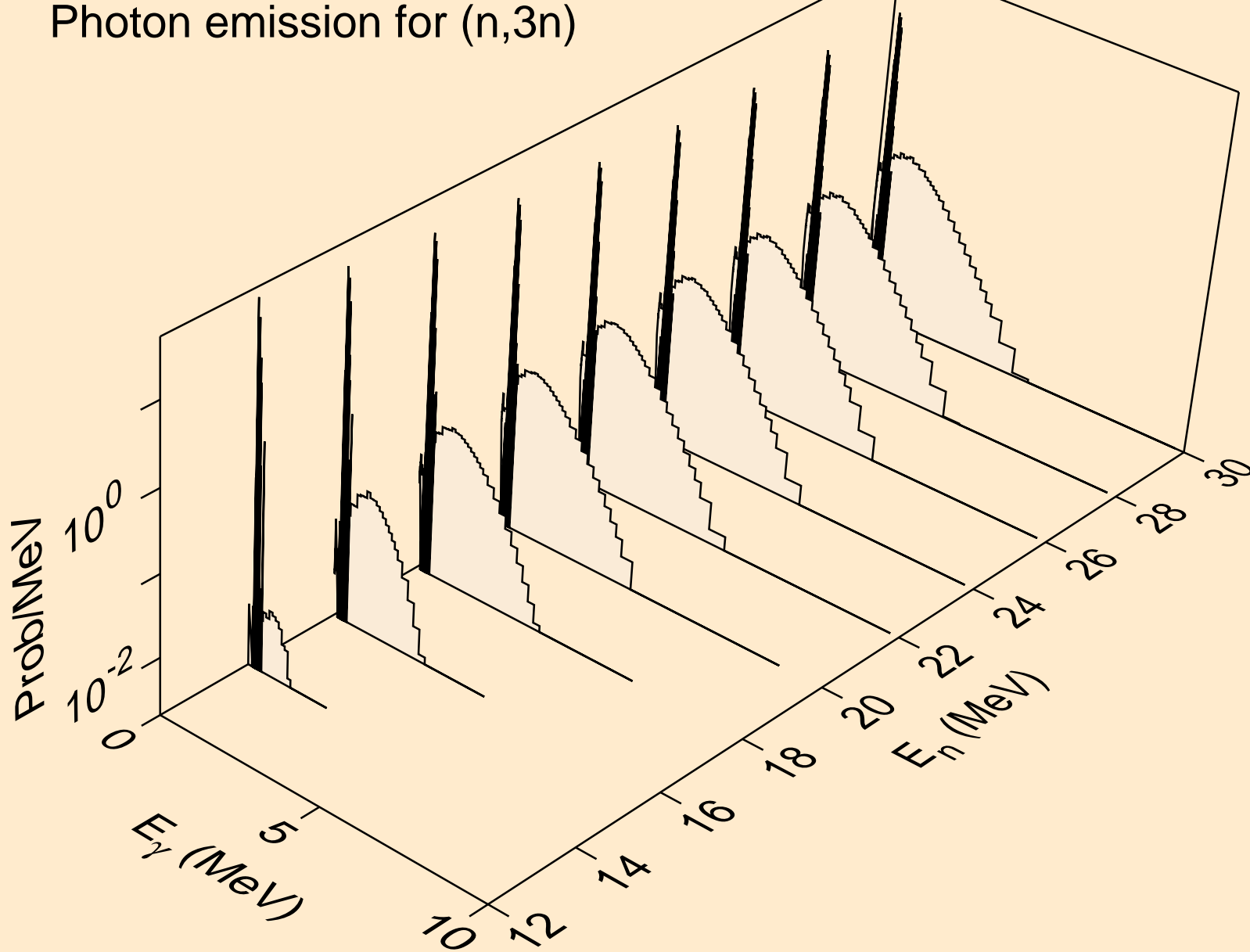
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)



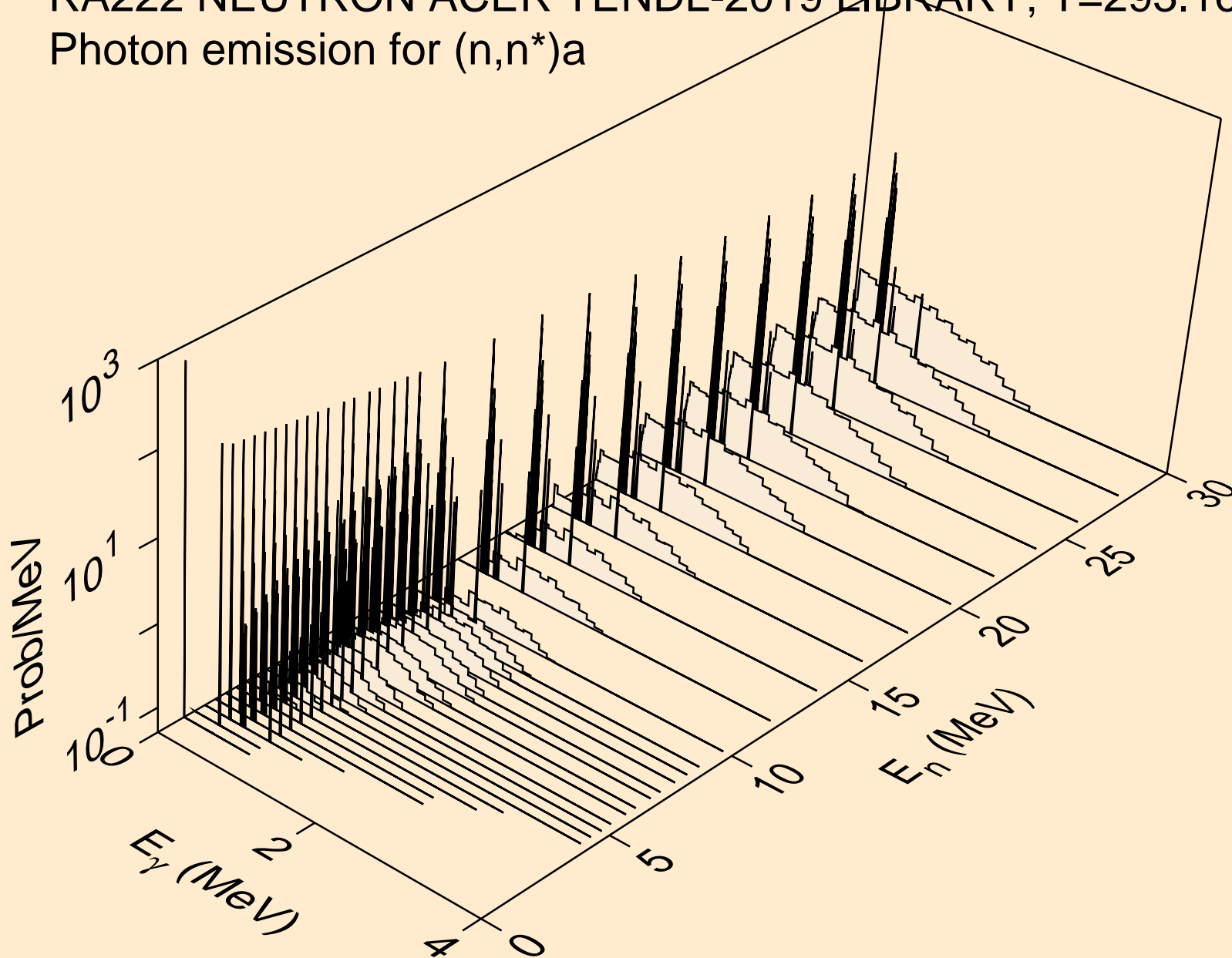
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)



RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)

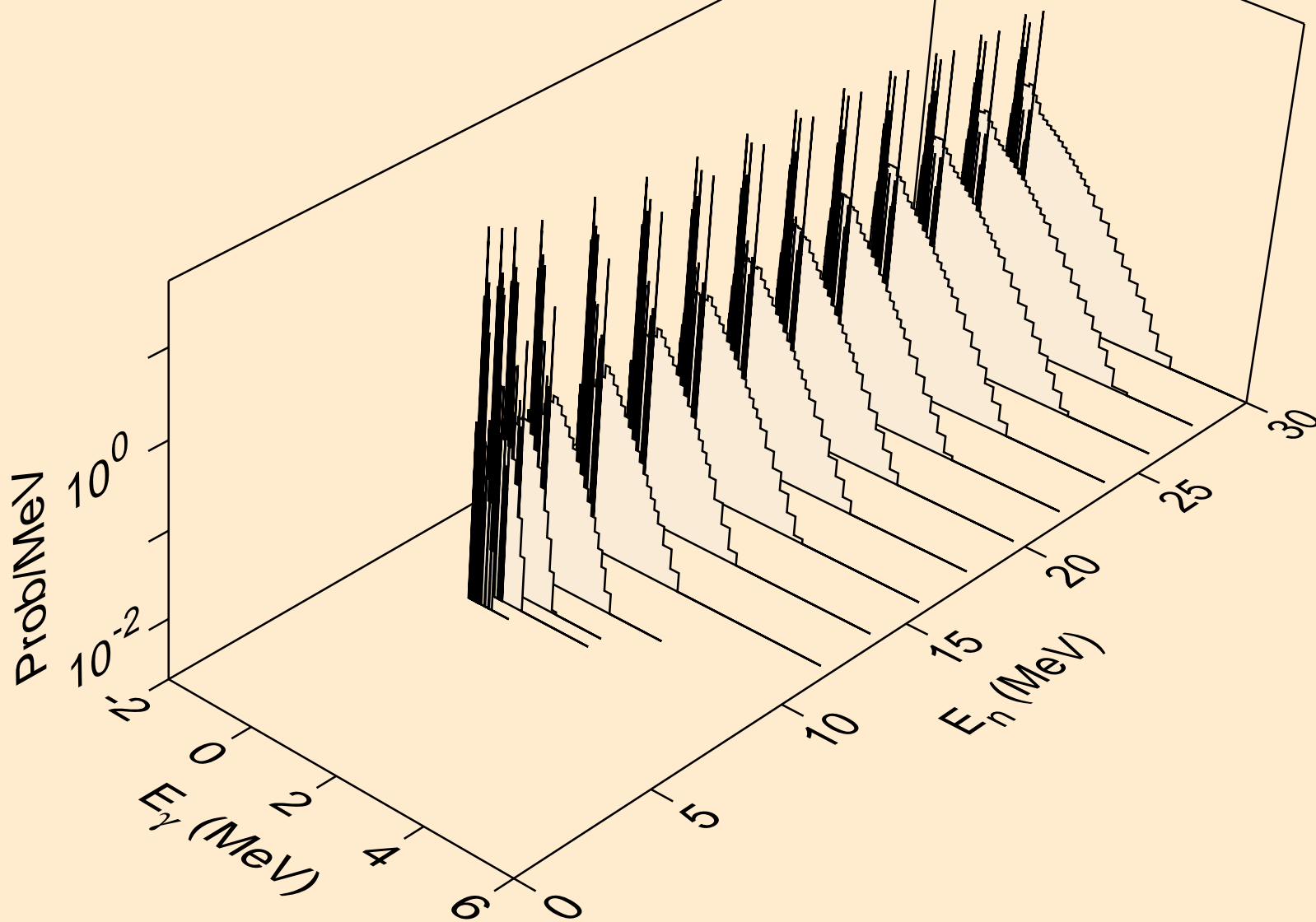


RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a

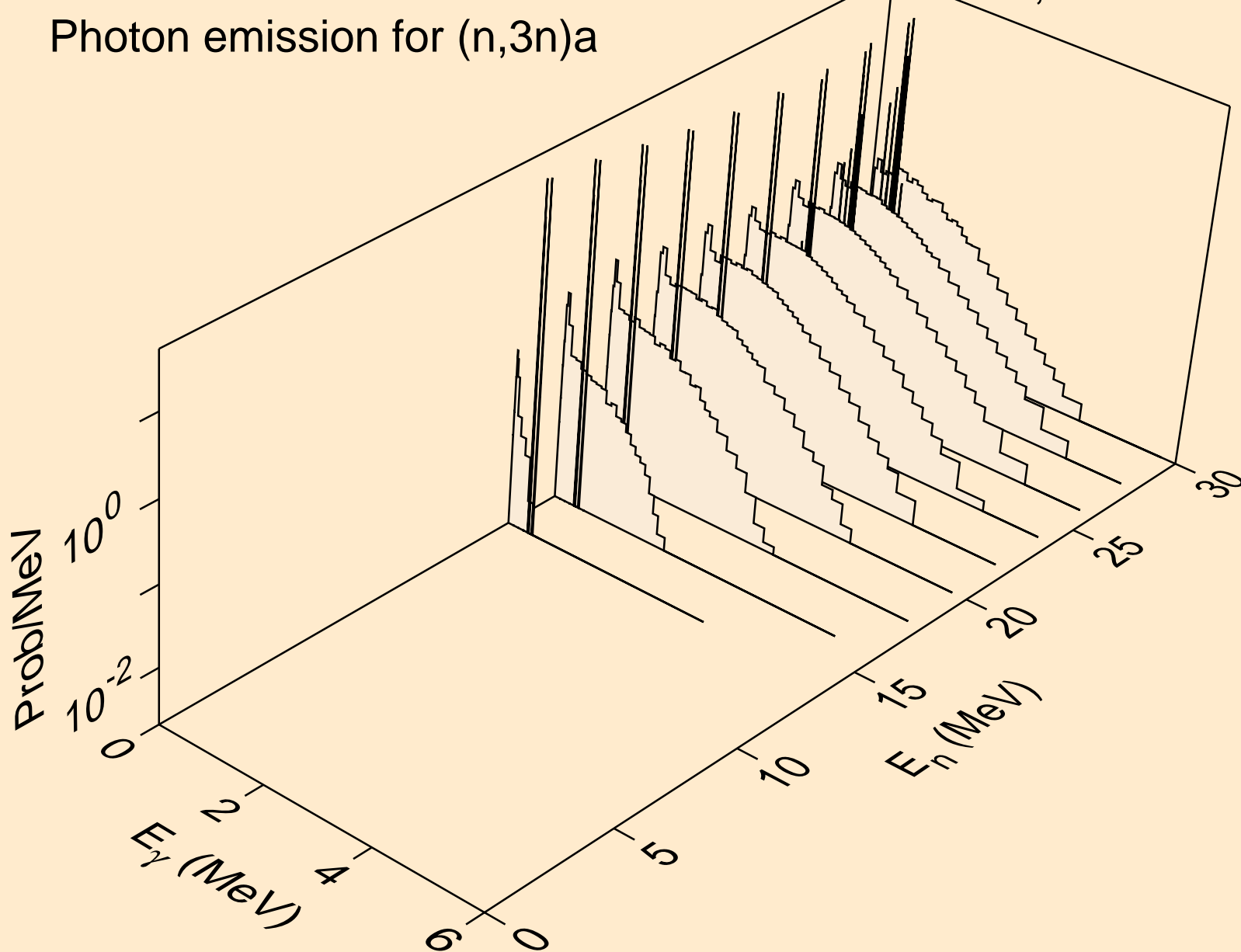




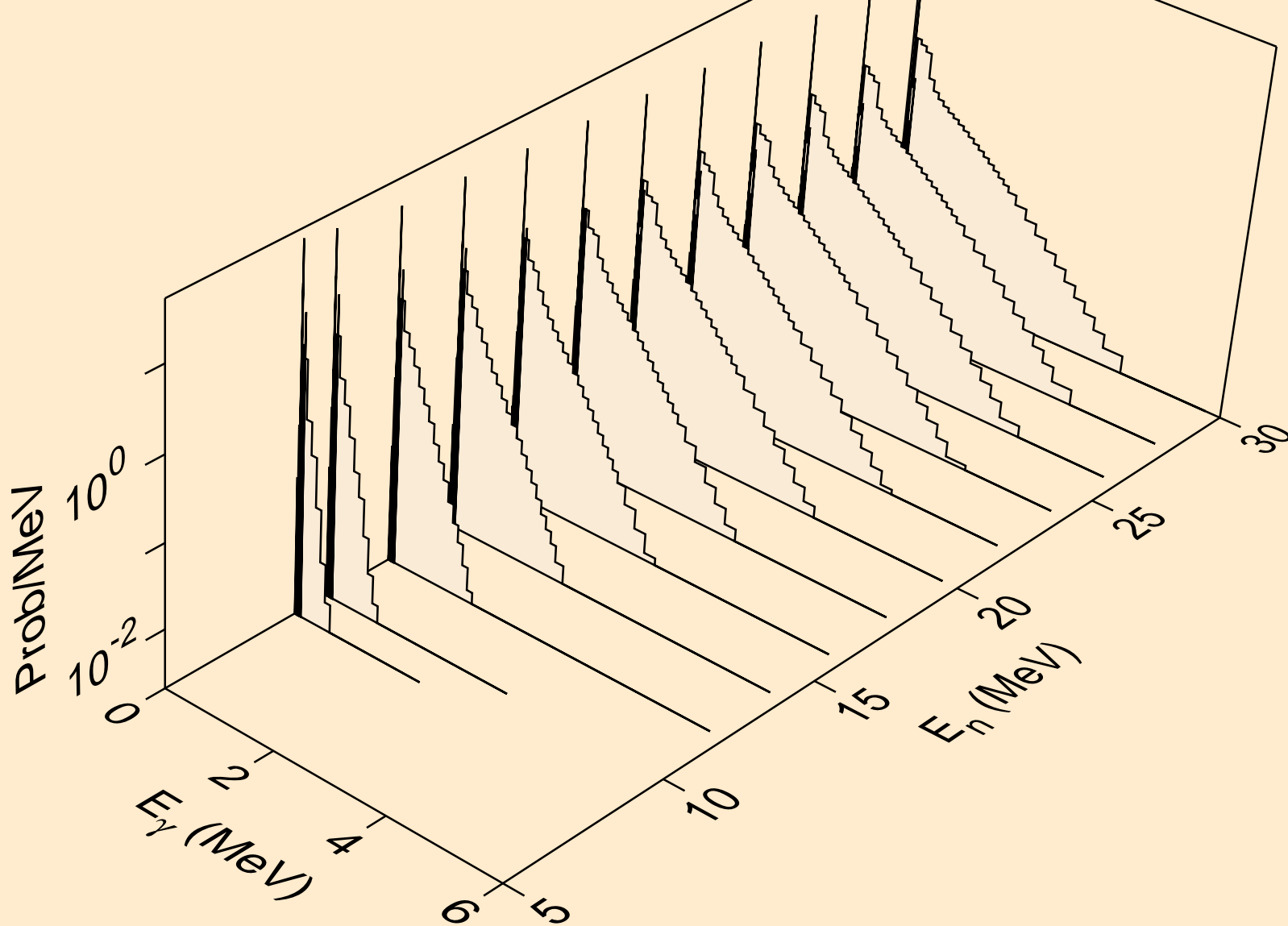
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n) $\alpha$



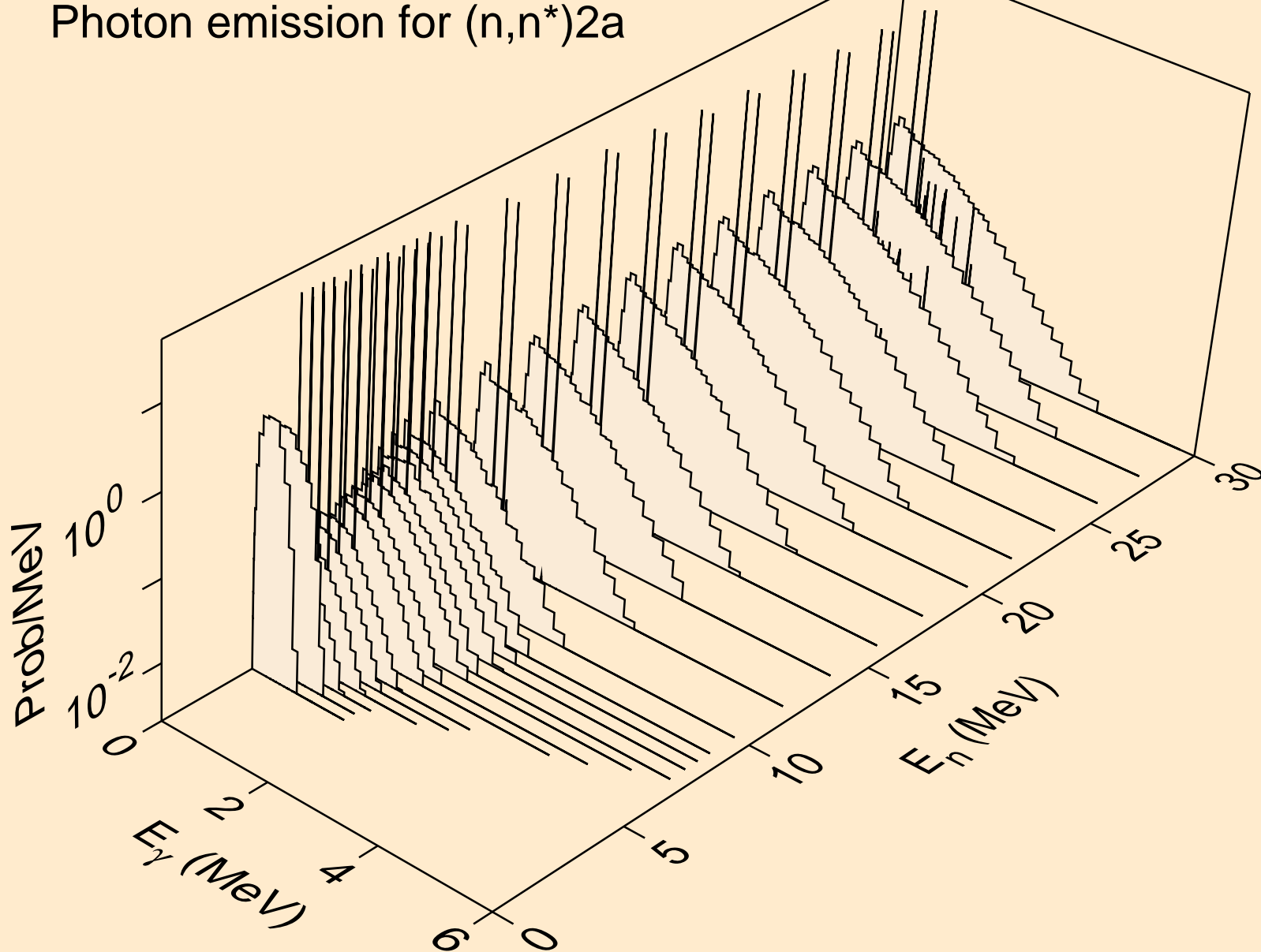
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a



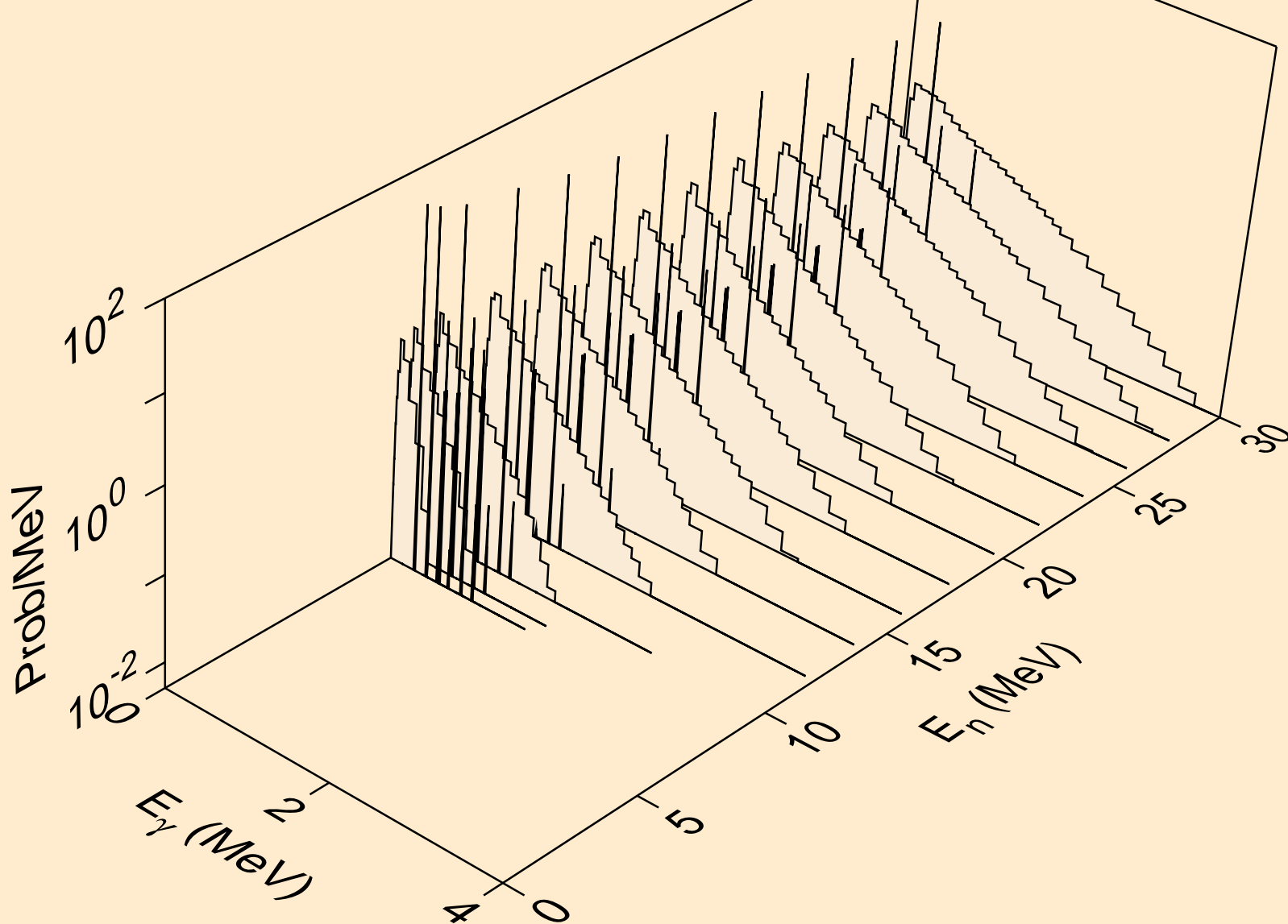
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p



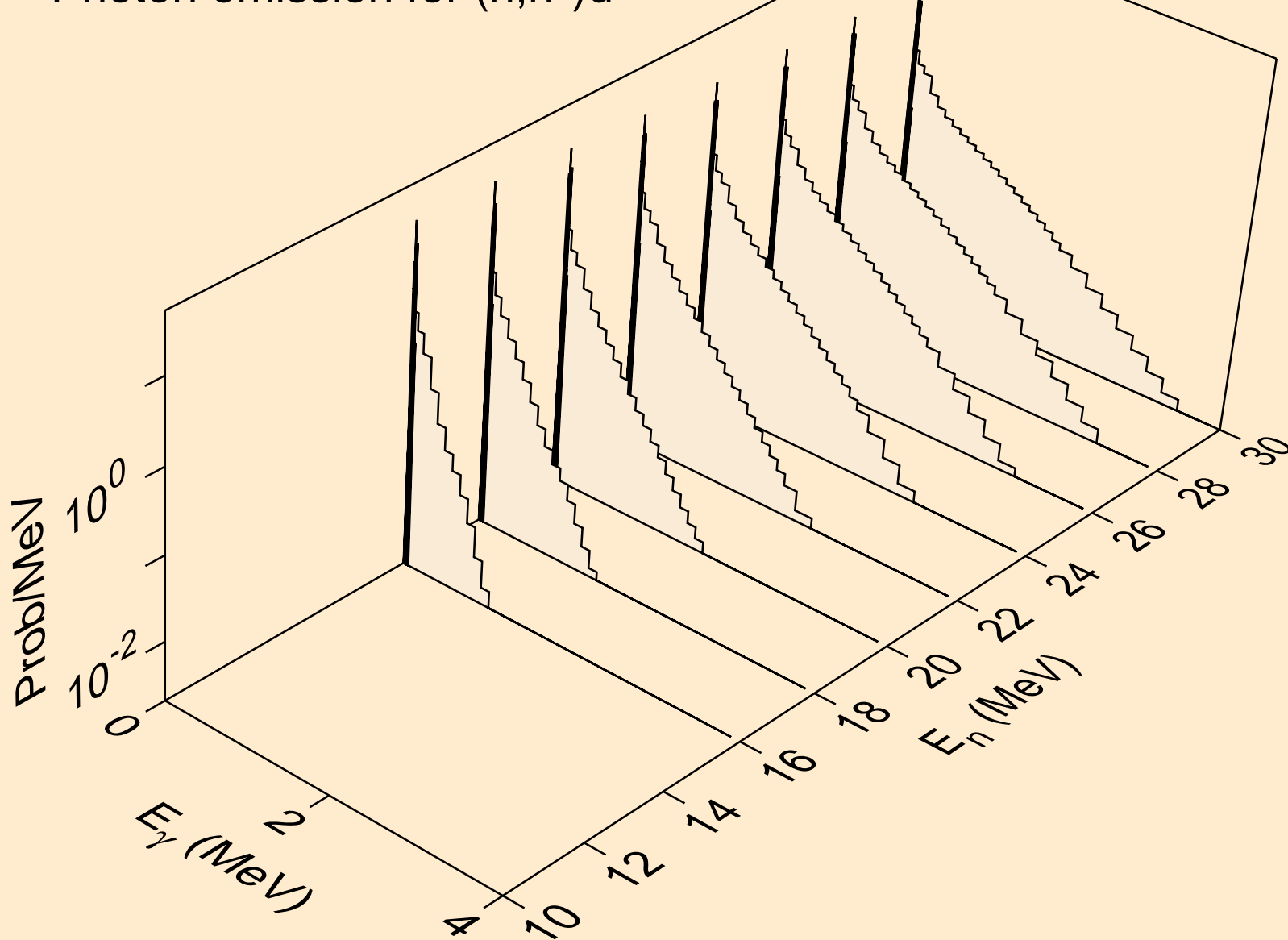
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)2a



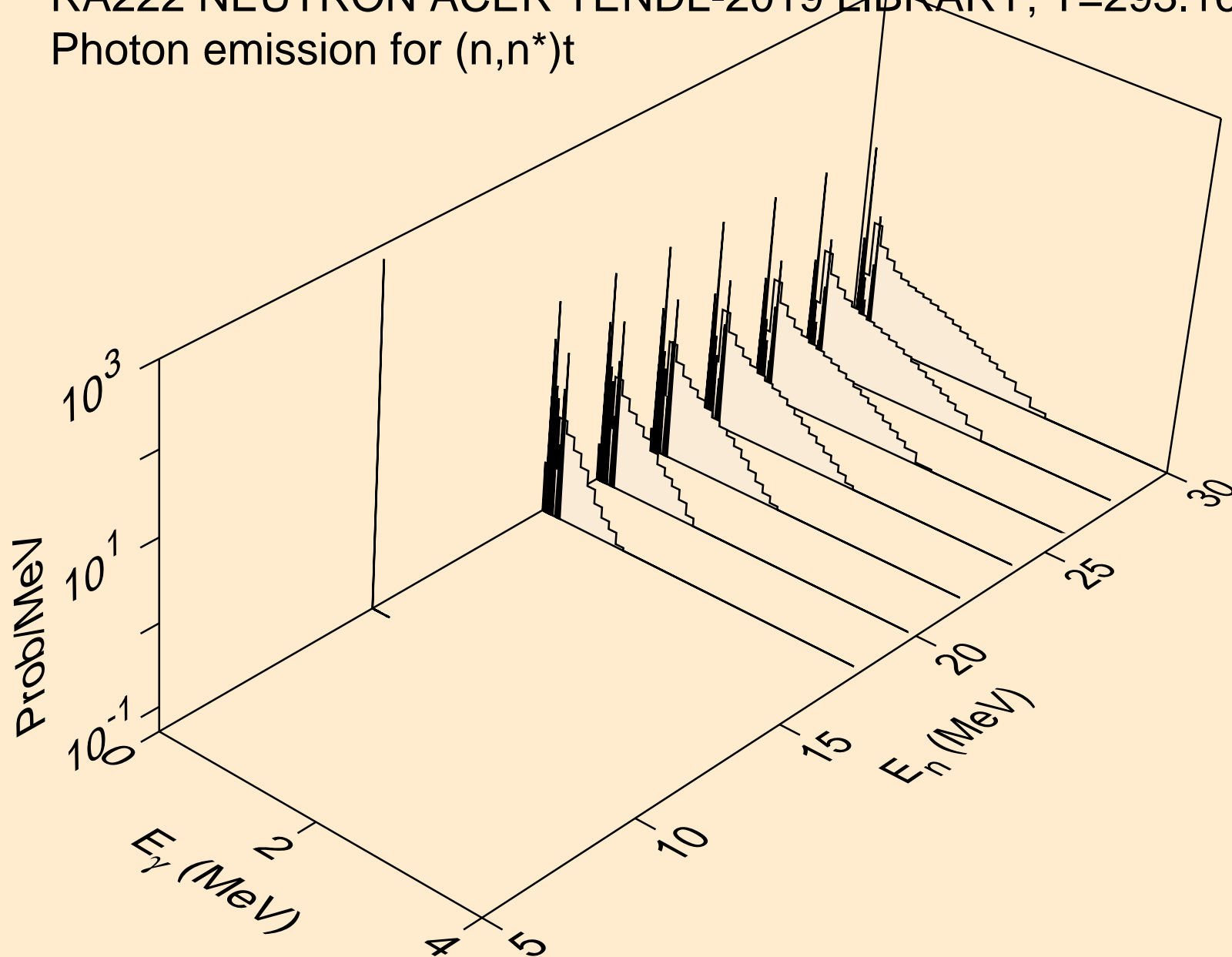
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)2a



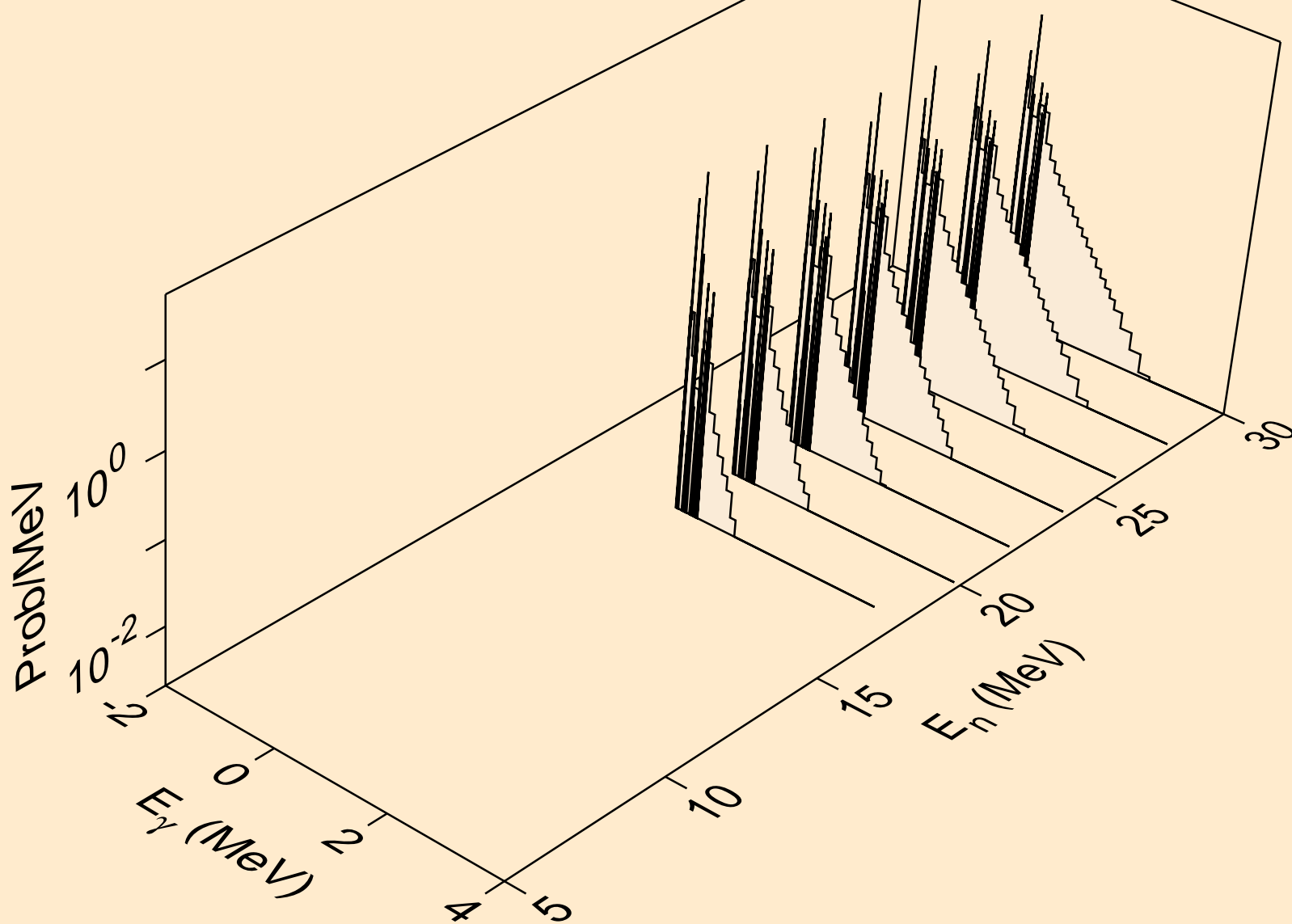
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d



RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t

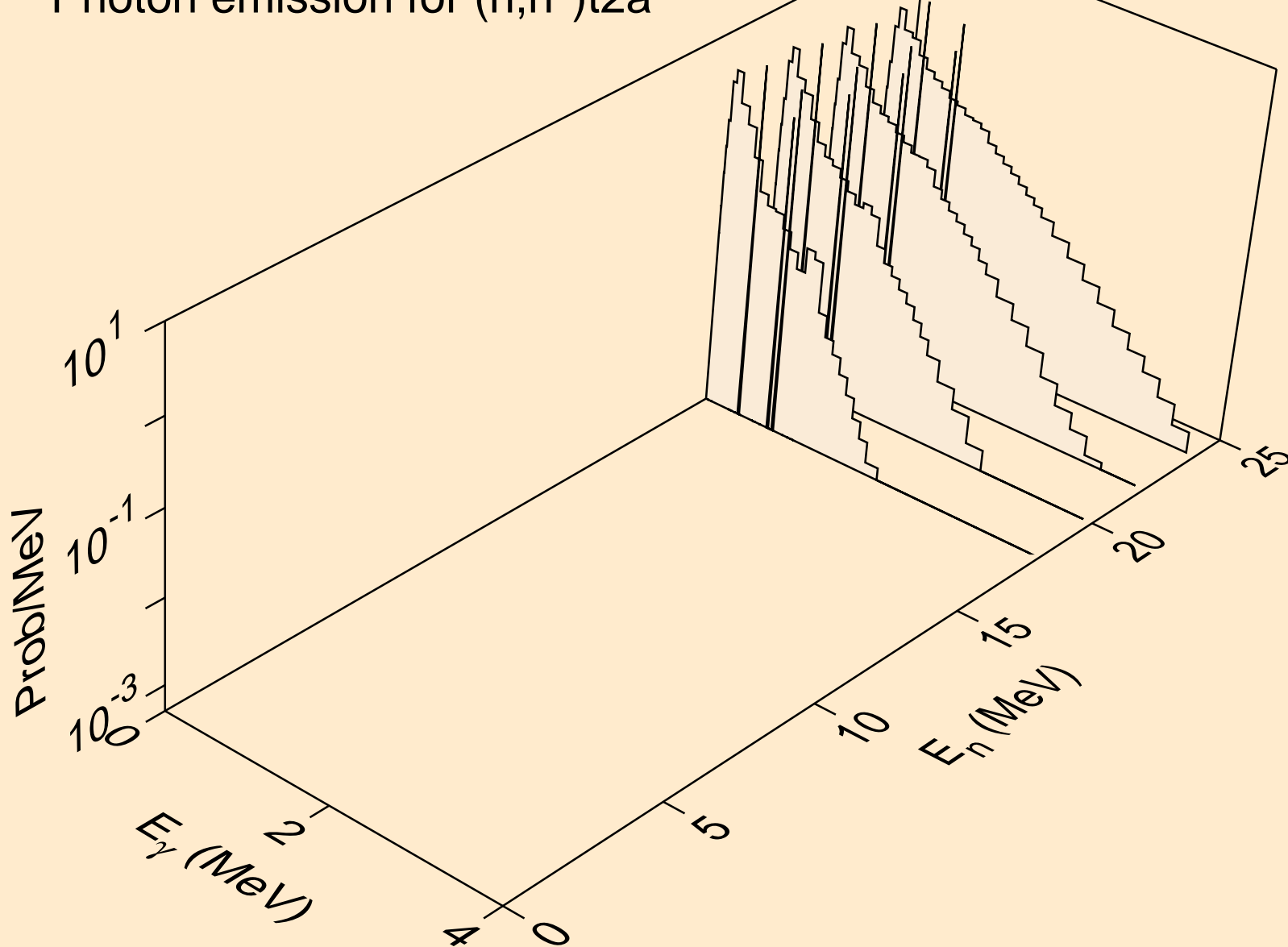


RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3

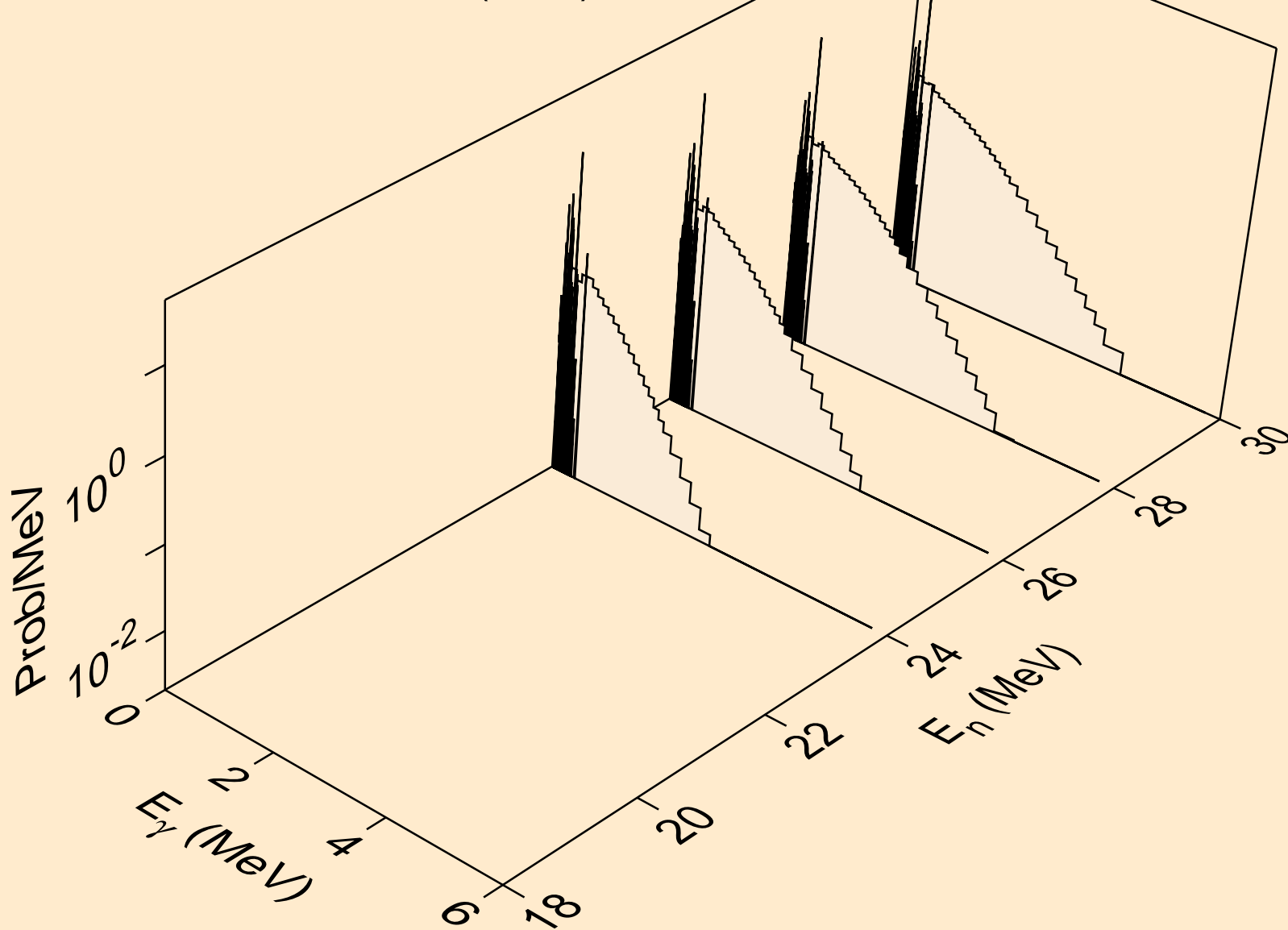




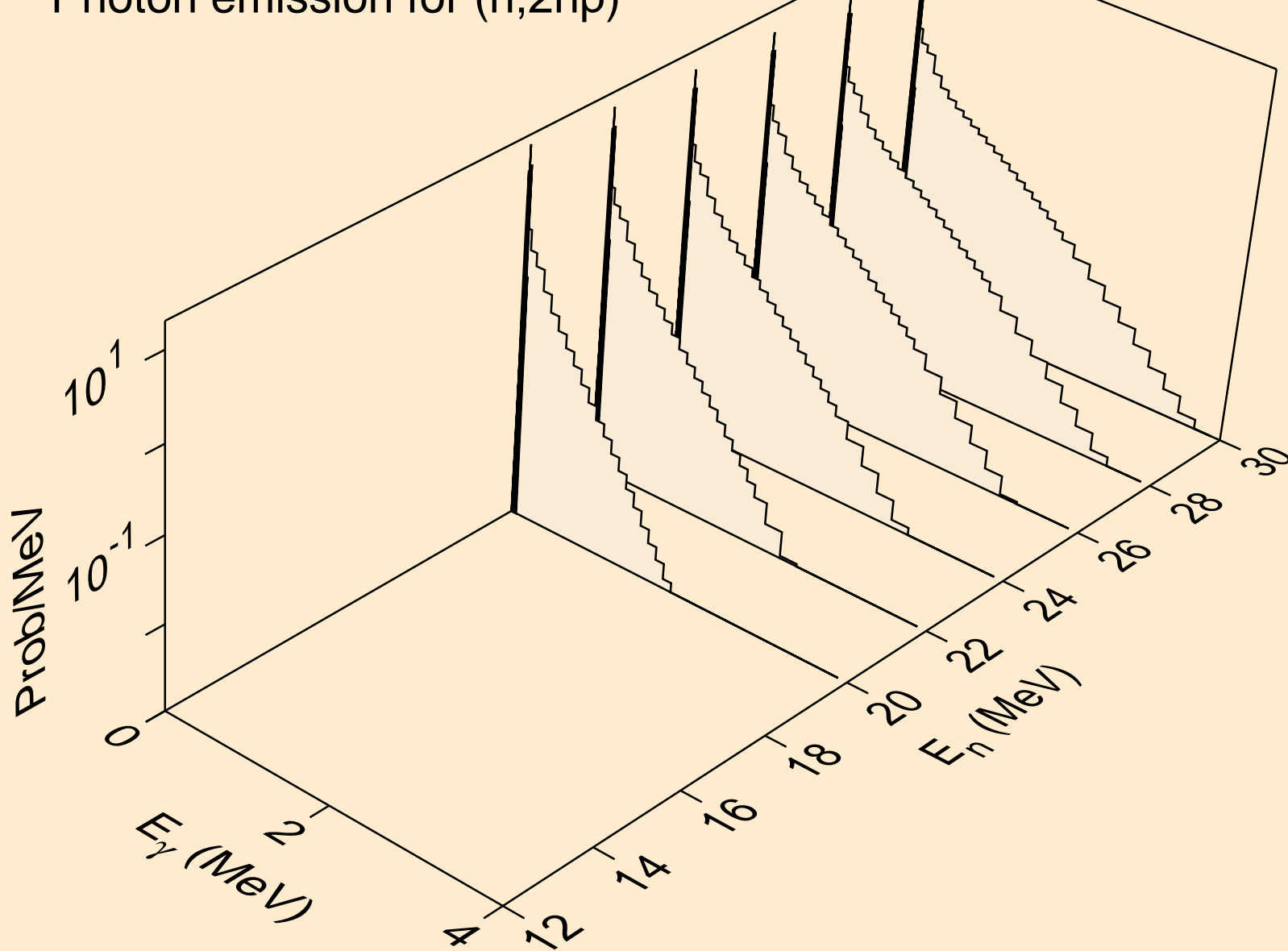
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t2a



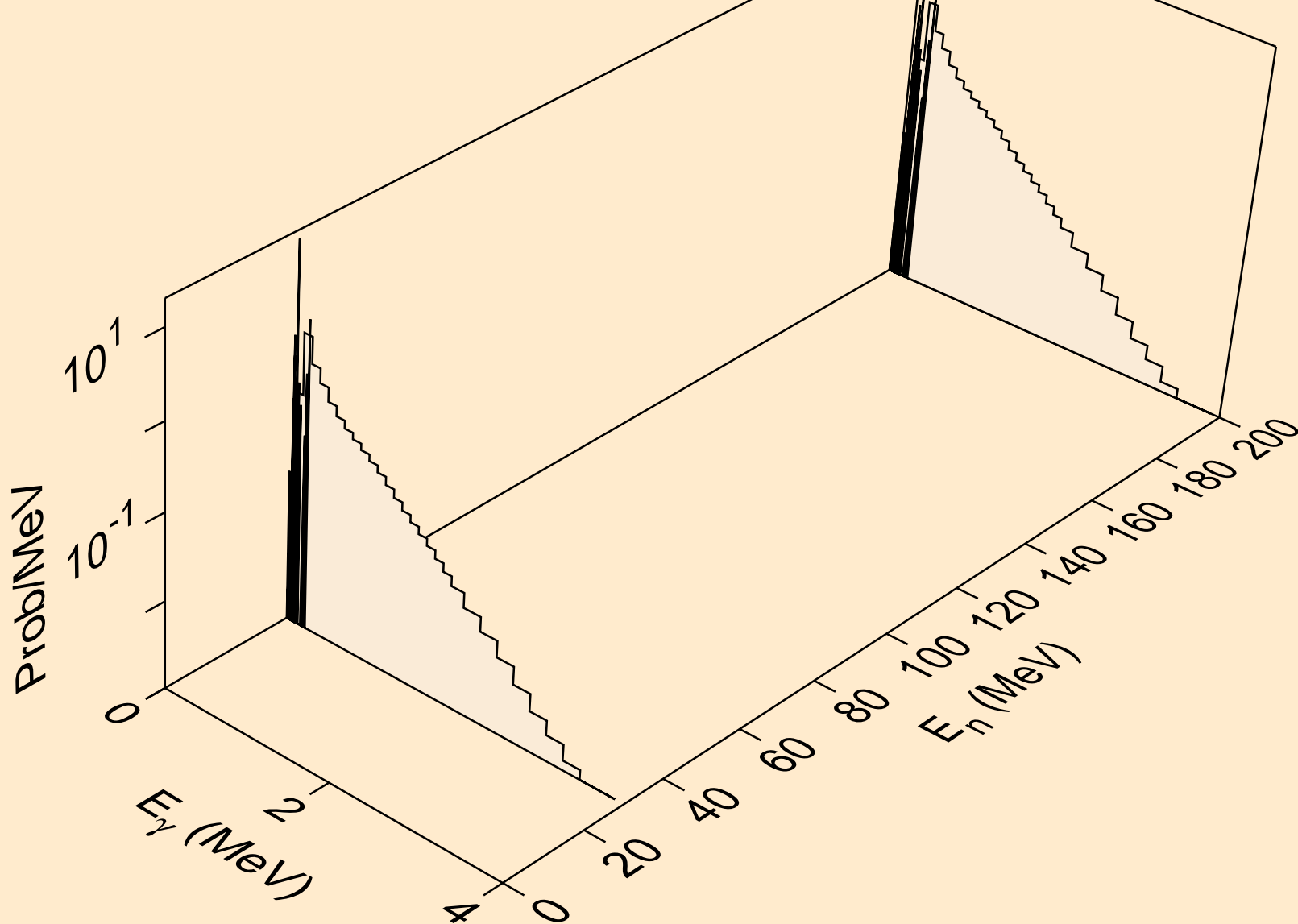
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)



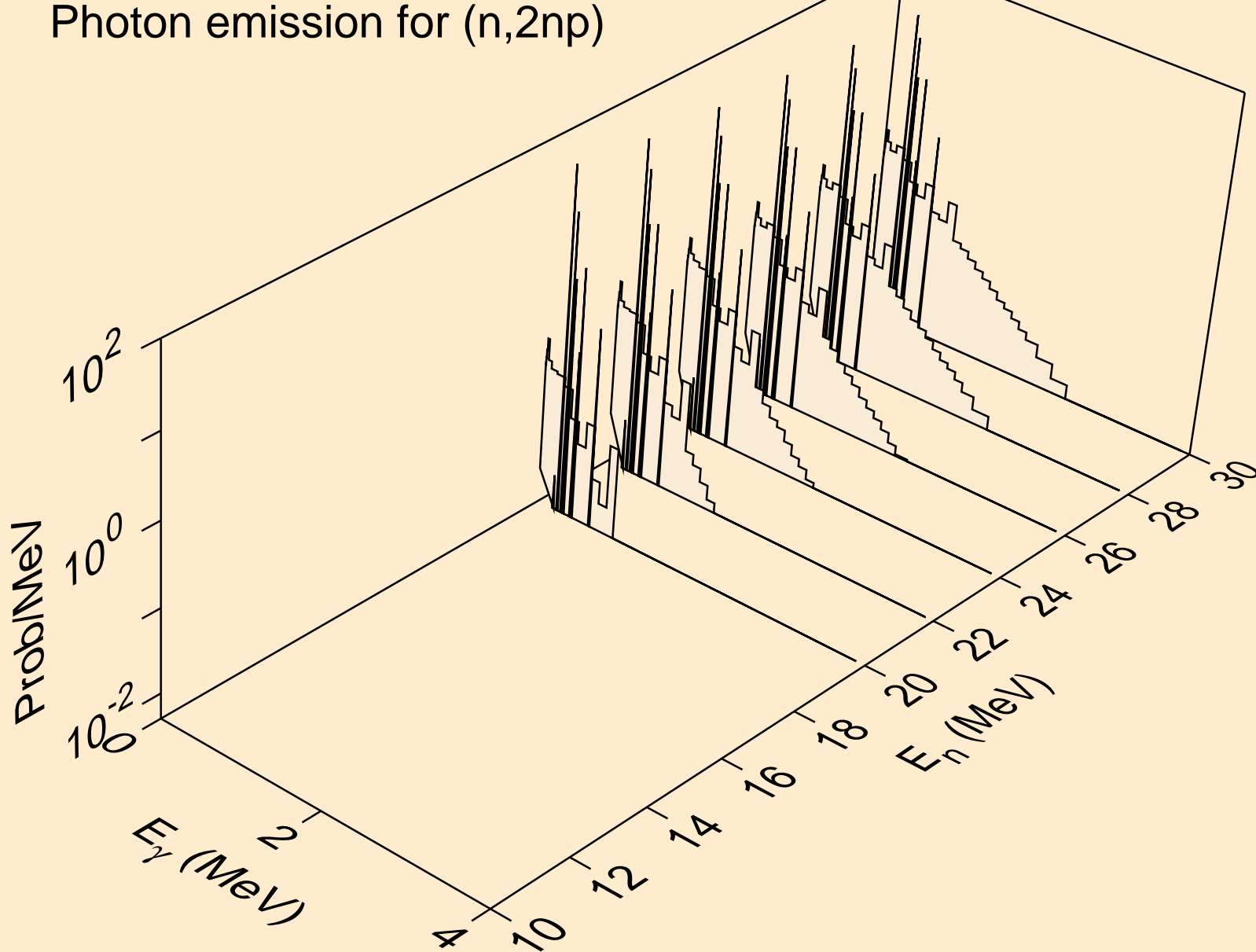
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Photon emission for (n,2np)



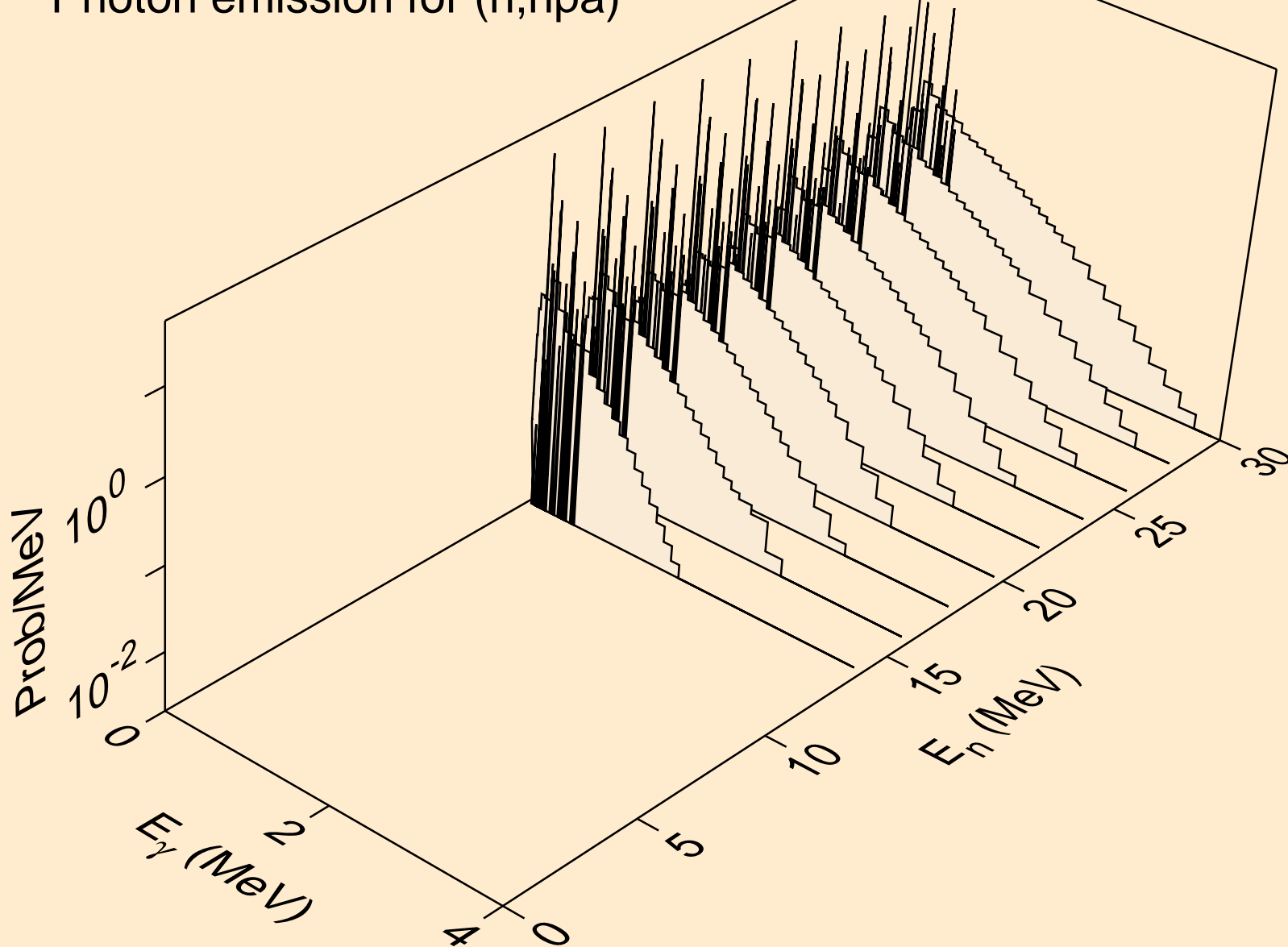
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Photon emission for (n,3np)



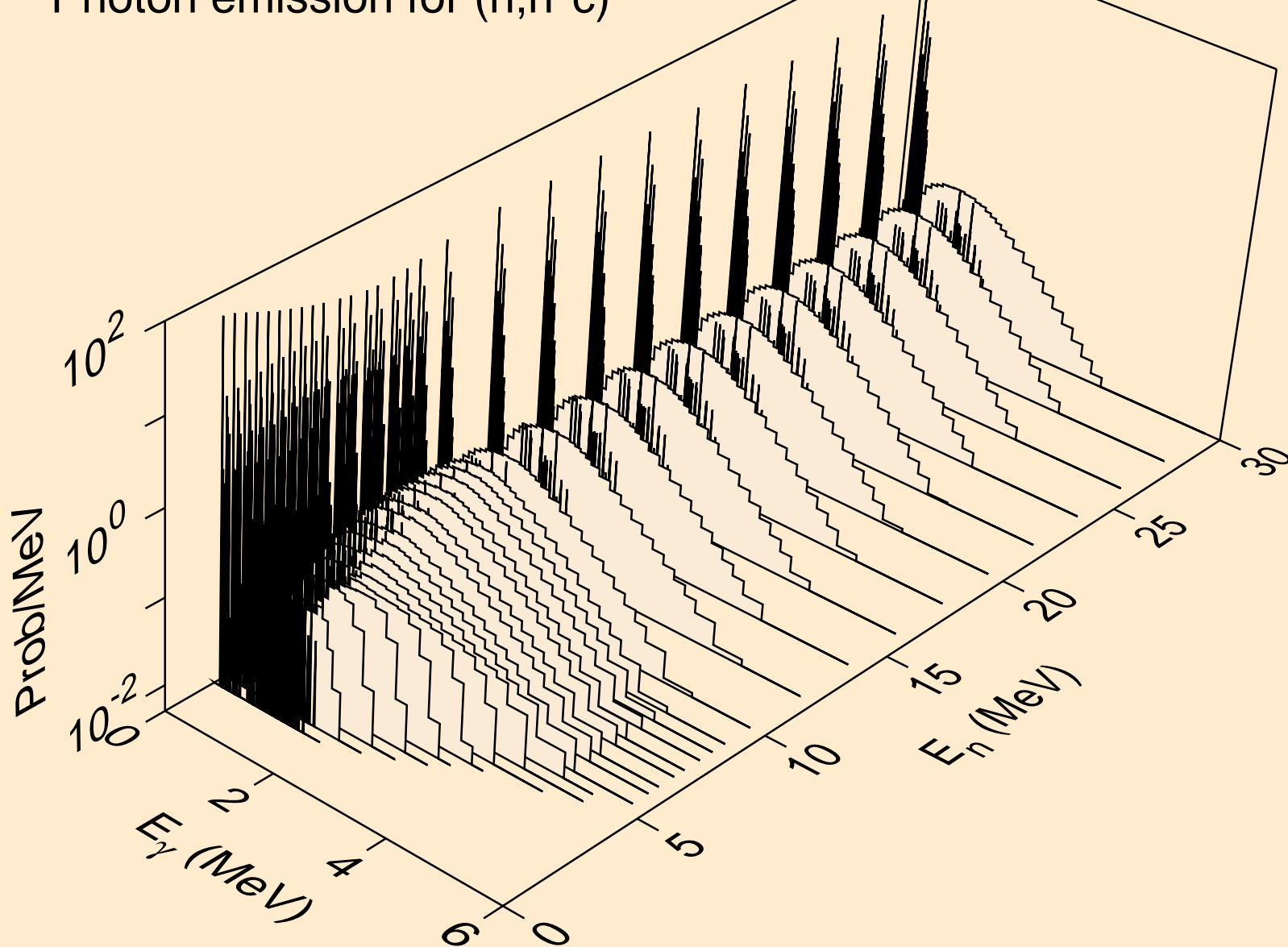
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



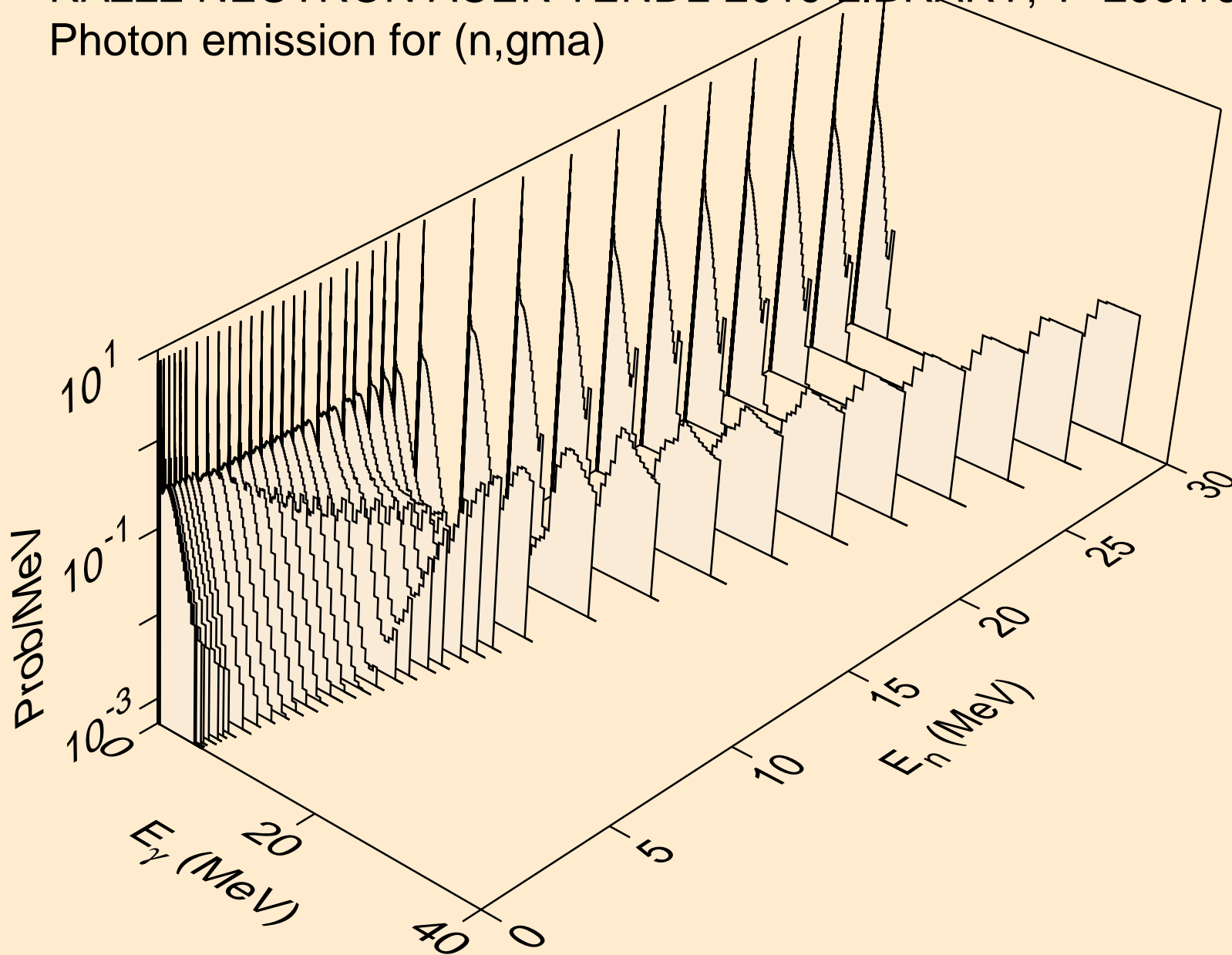
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)



RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)

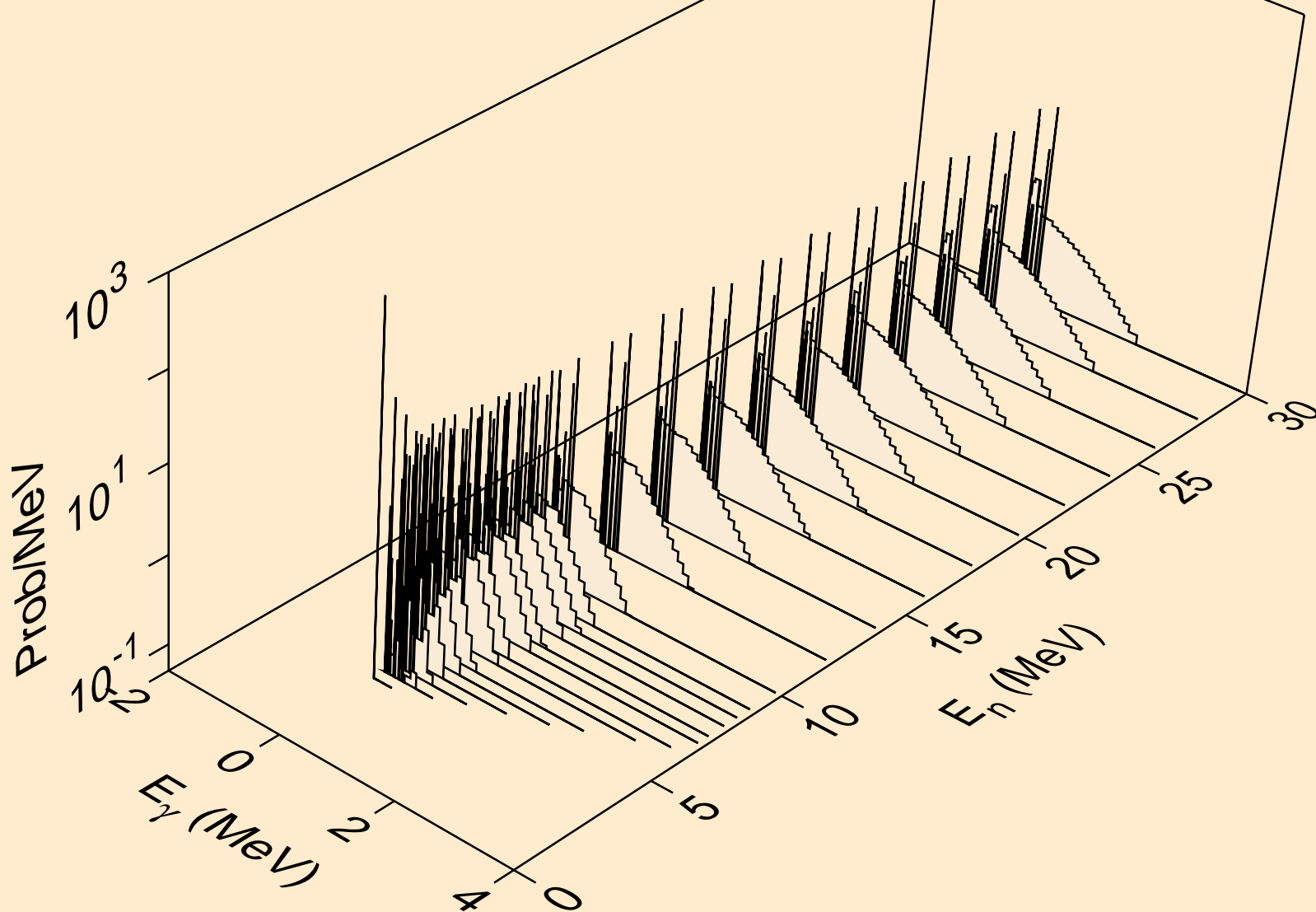


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Photon emission for (n,gma)

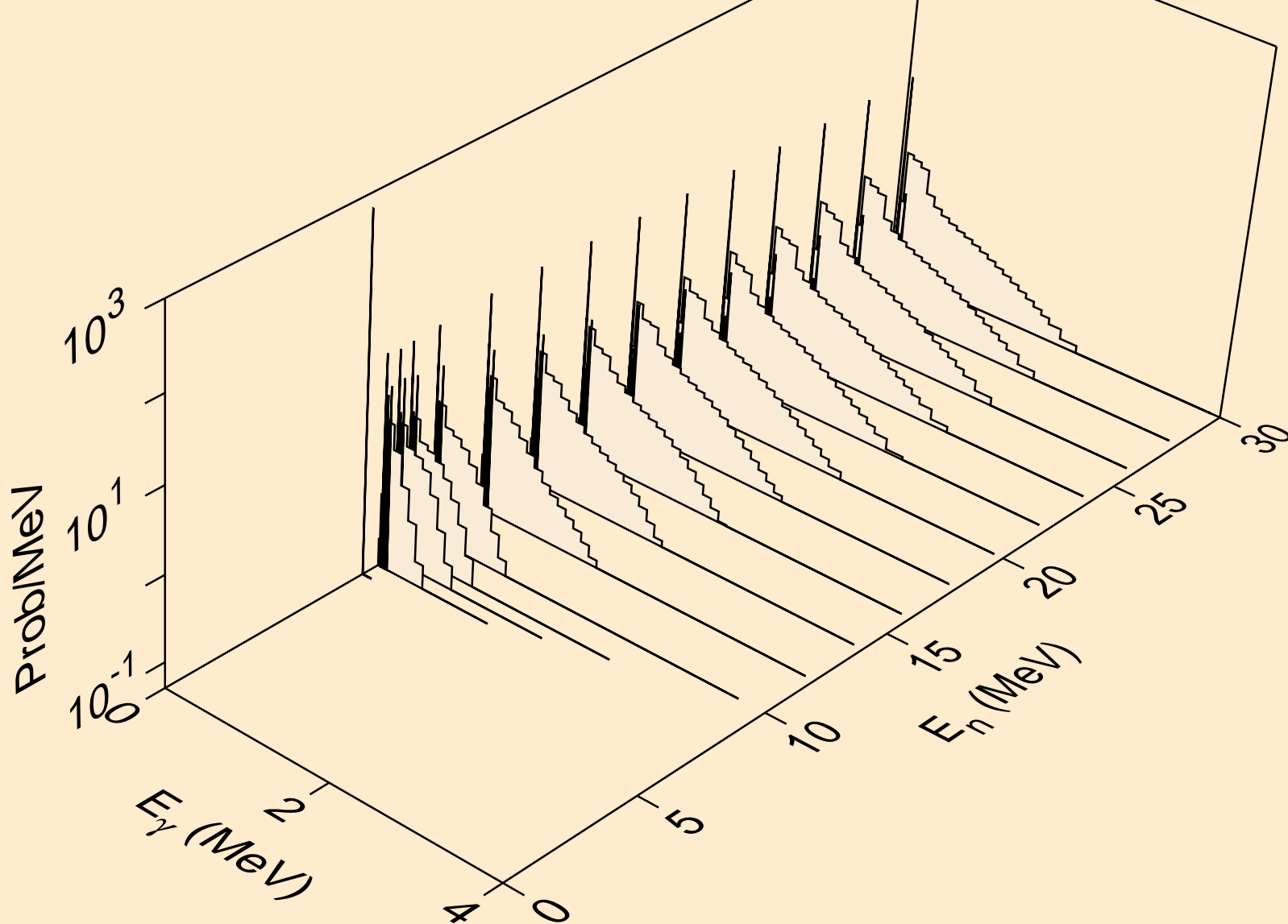




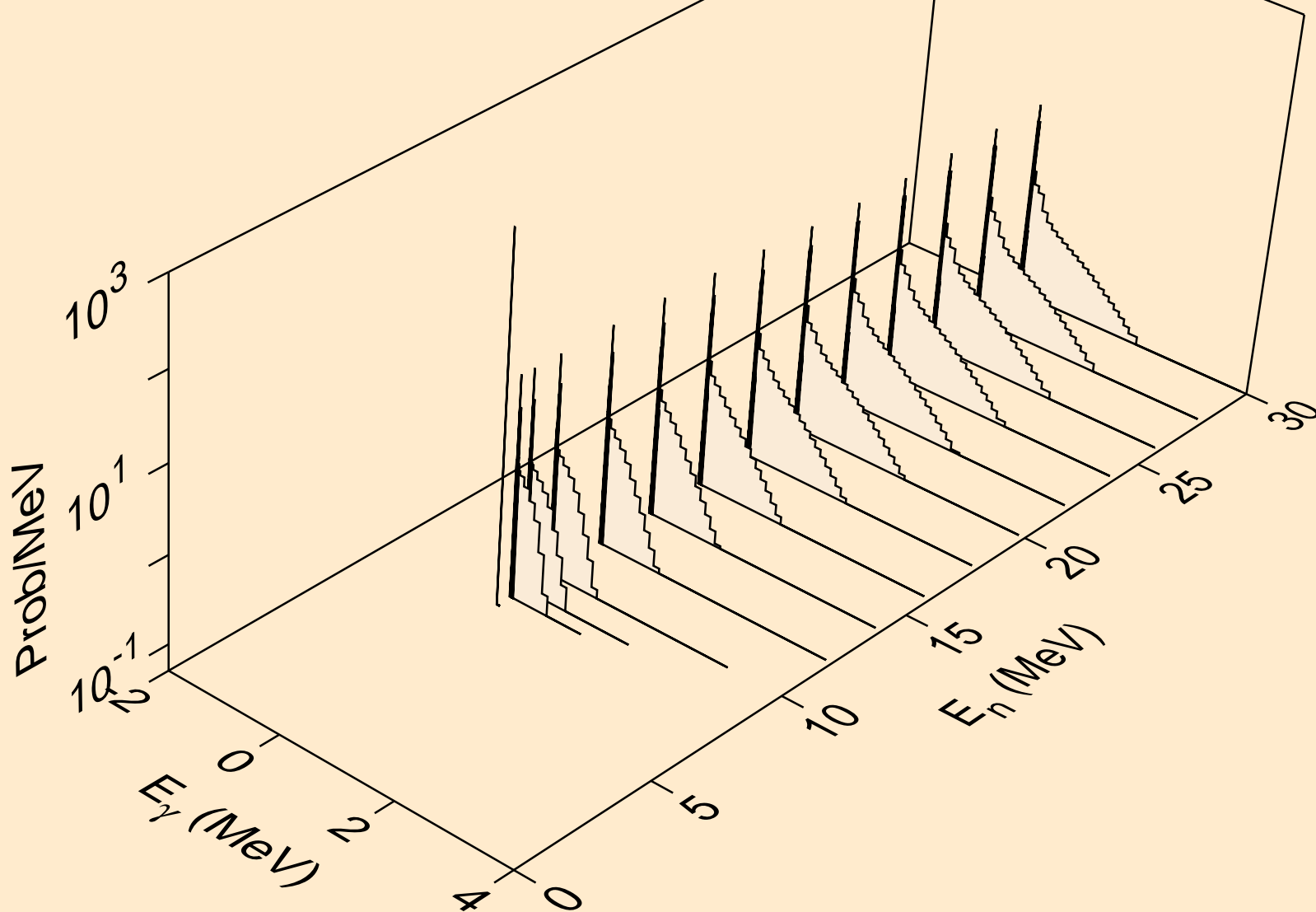
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Photon emission for (n,p)



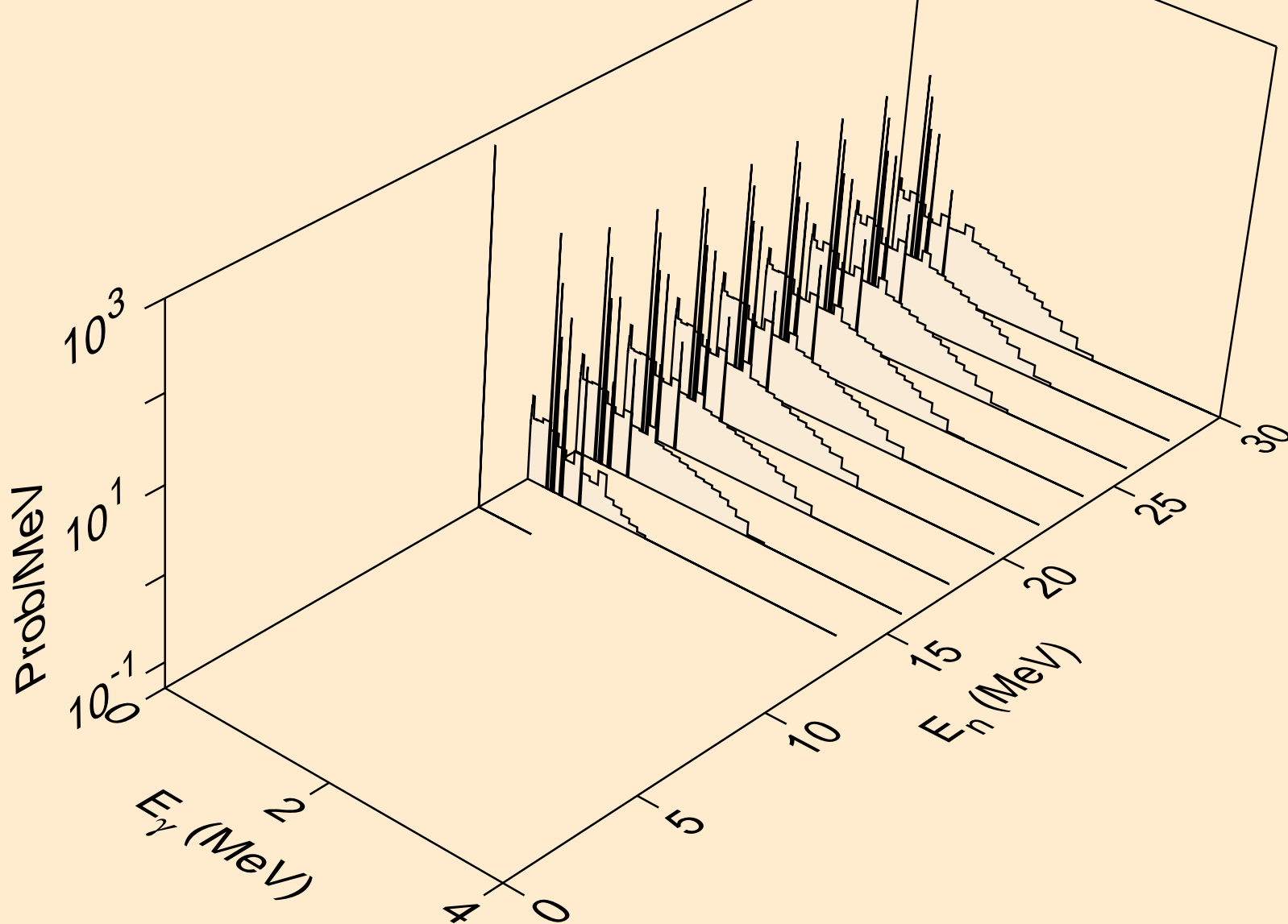
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Photon emission for (n,d)



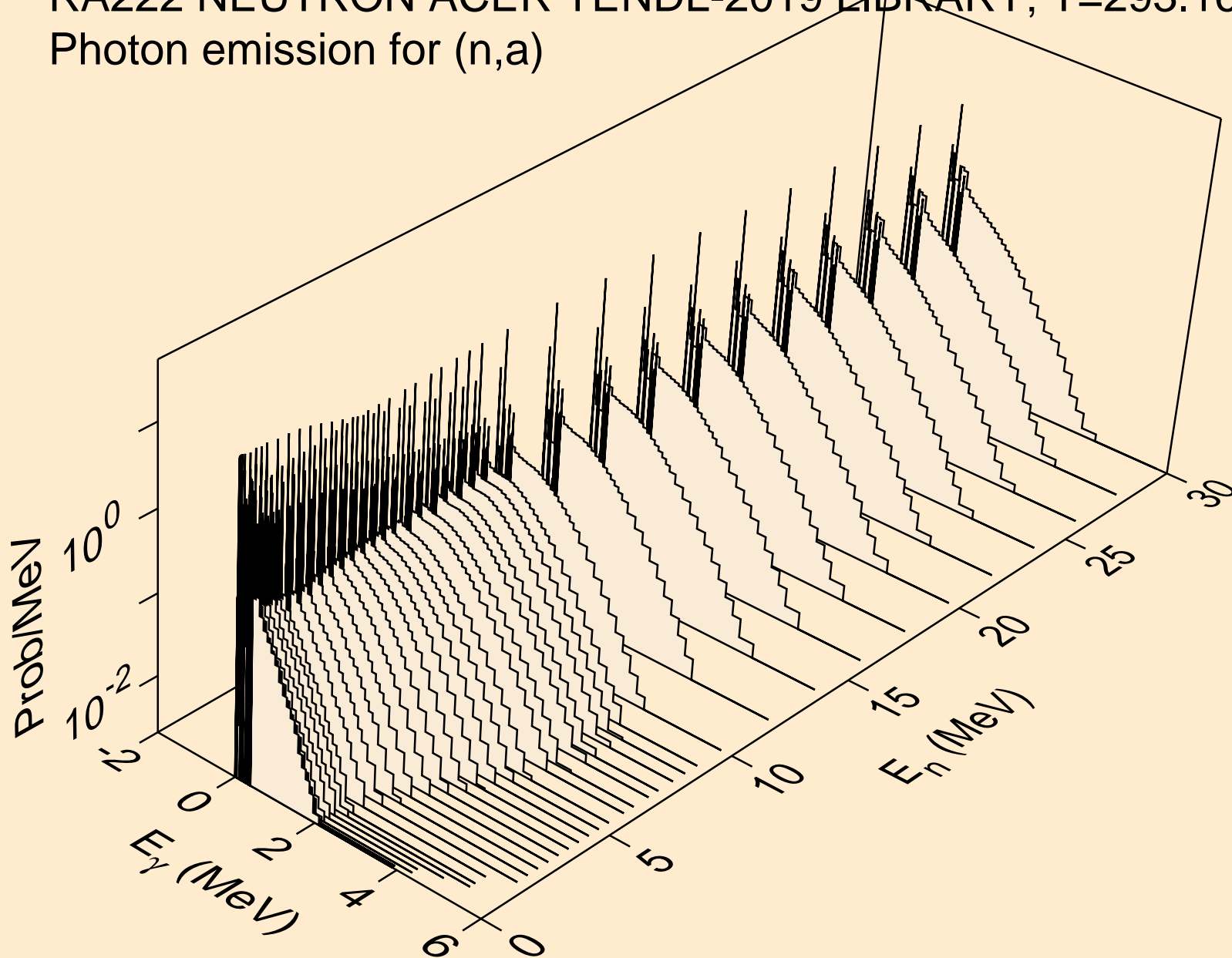
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Photon emission for (n,t)



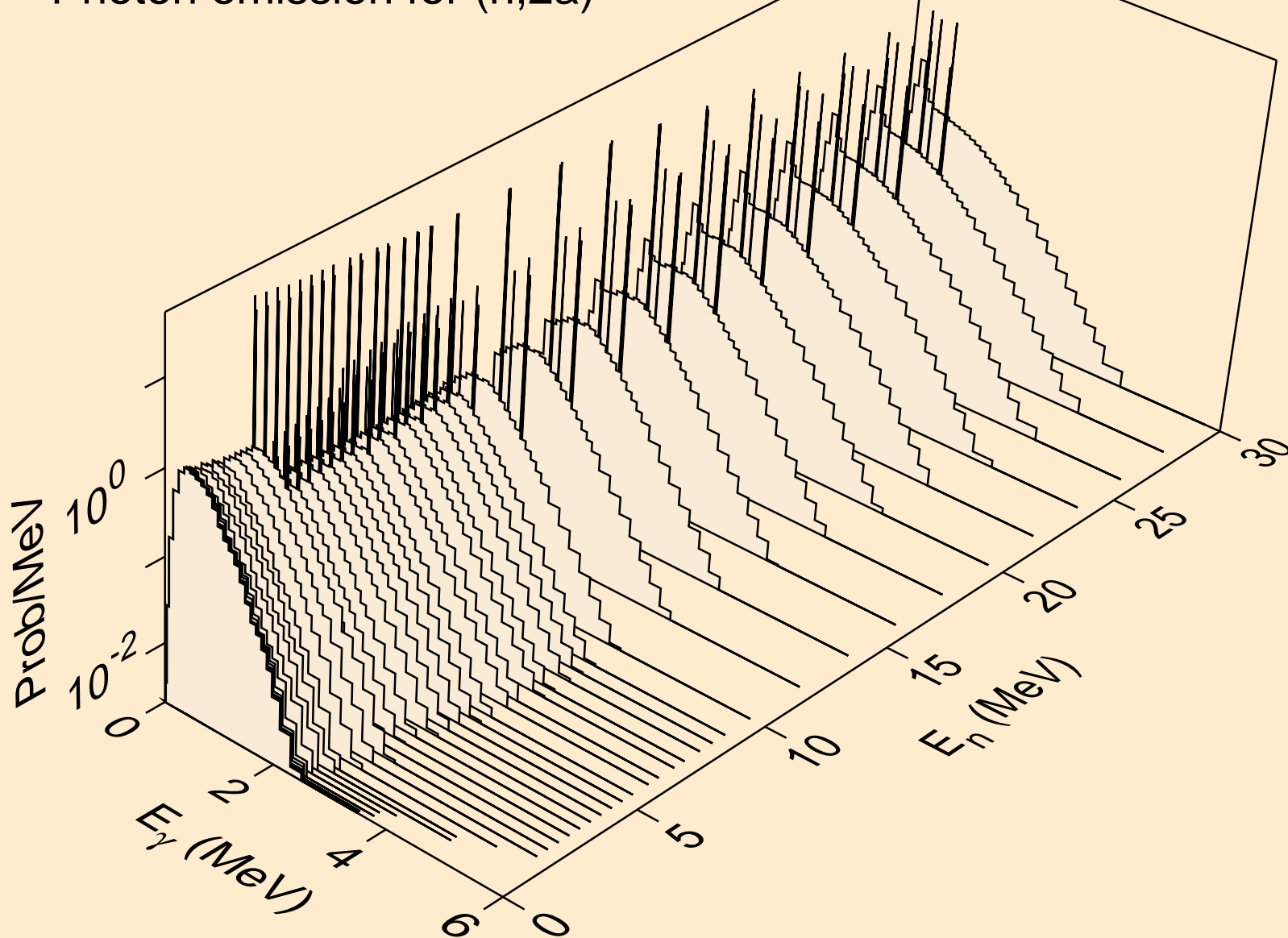
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Photon emission for (n,he3)



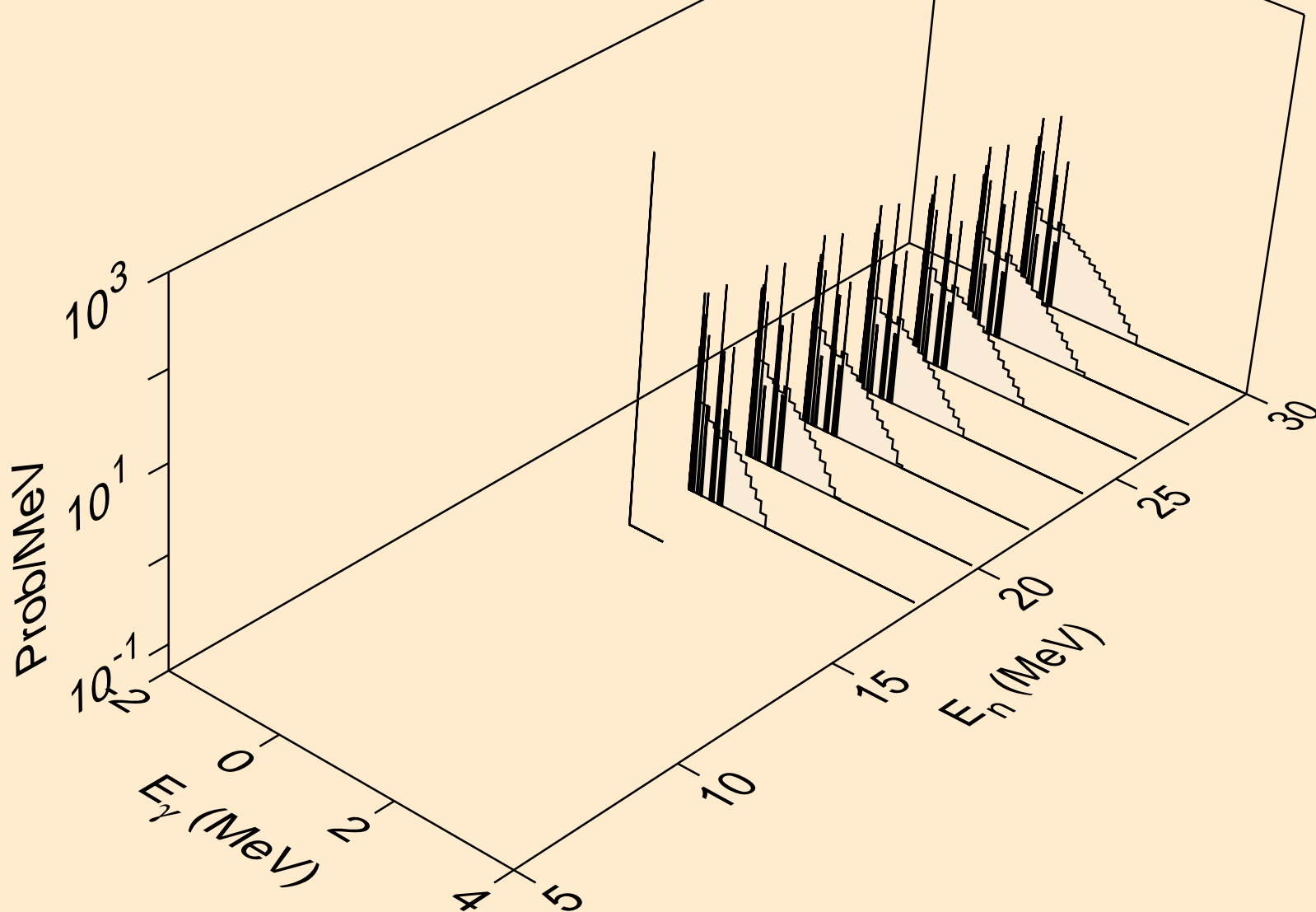
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



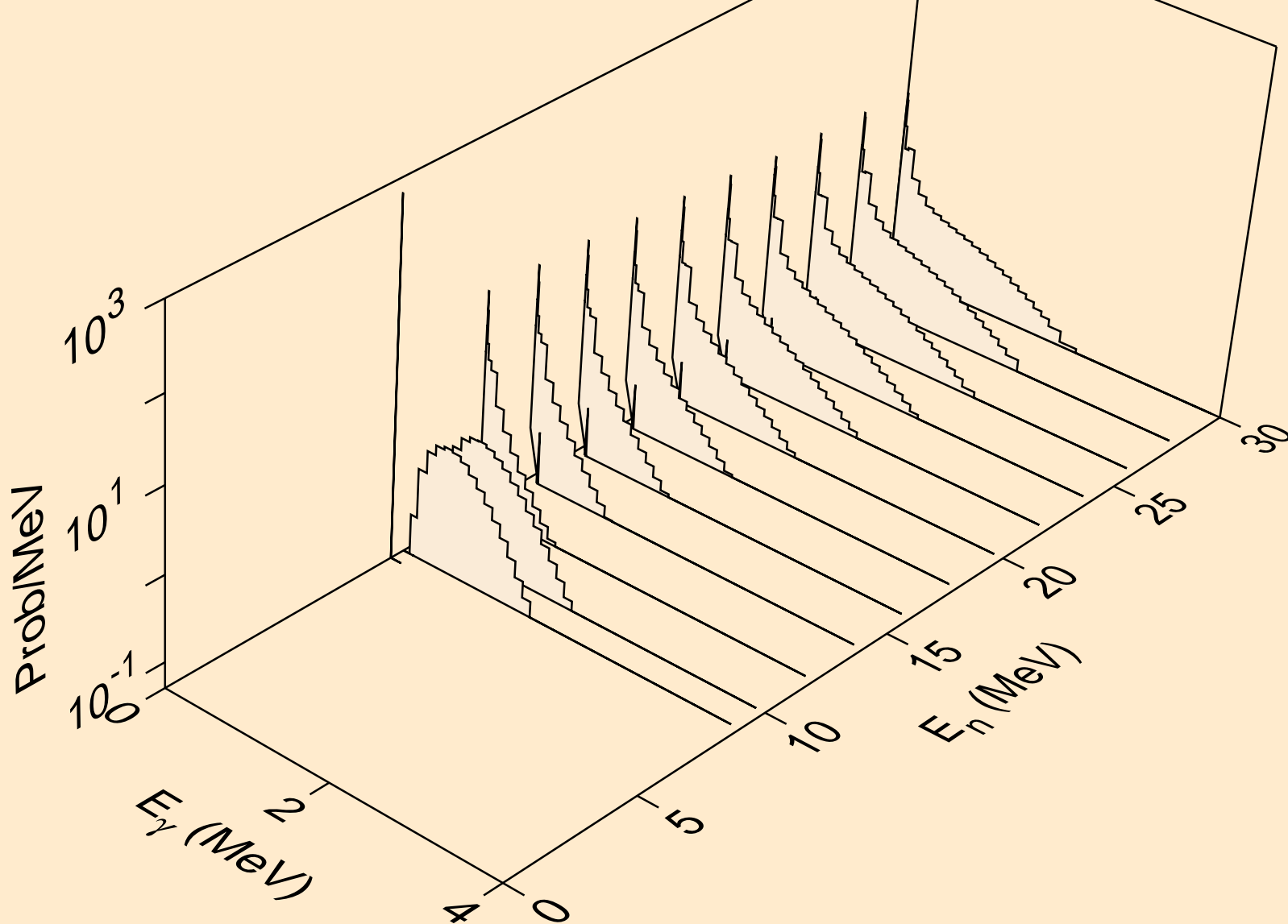
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2a)



RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)

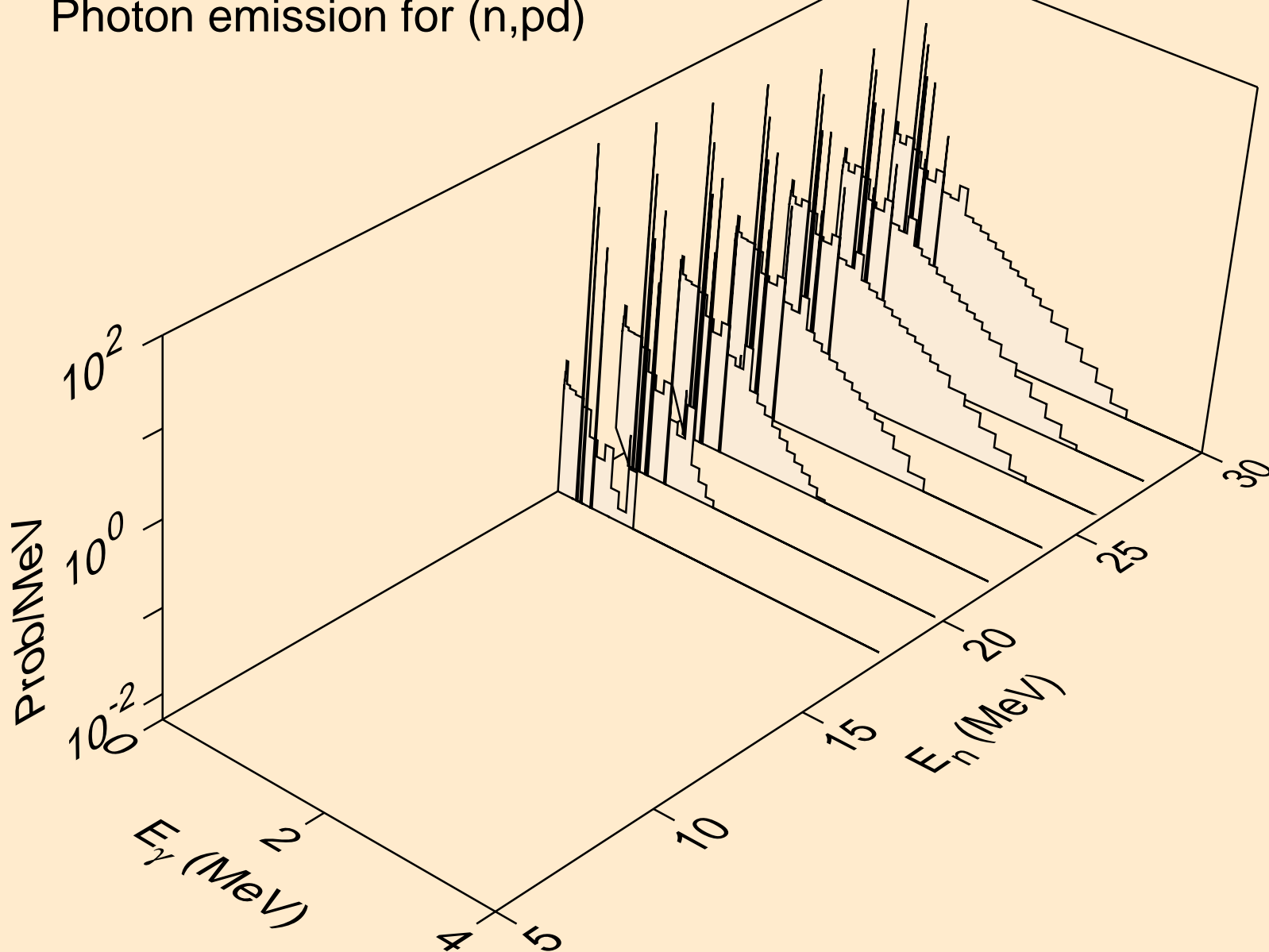


RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p $\alpha$ )

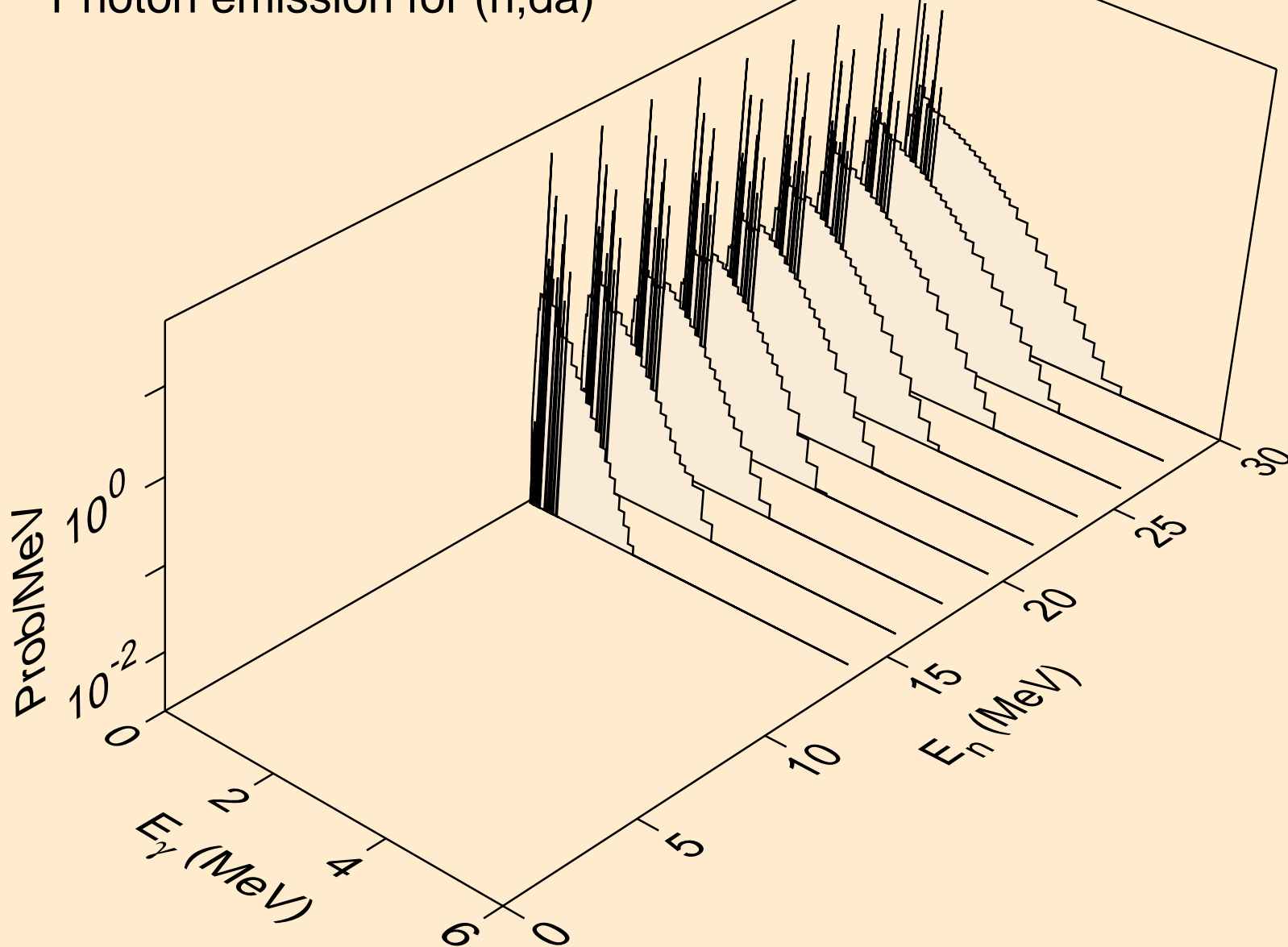




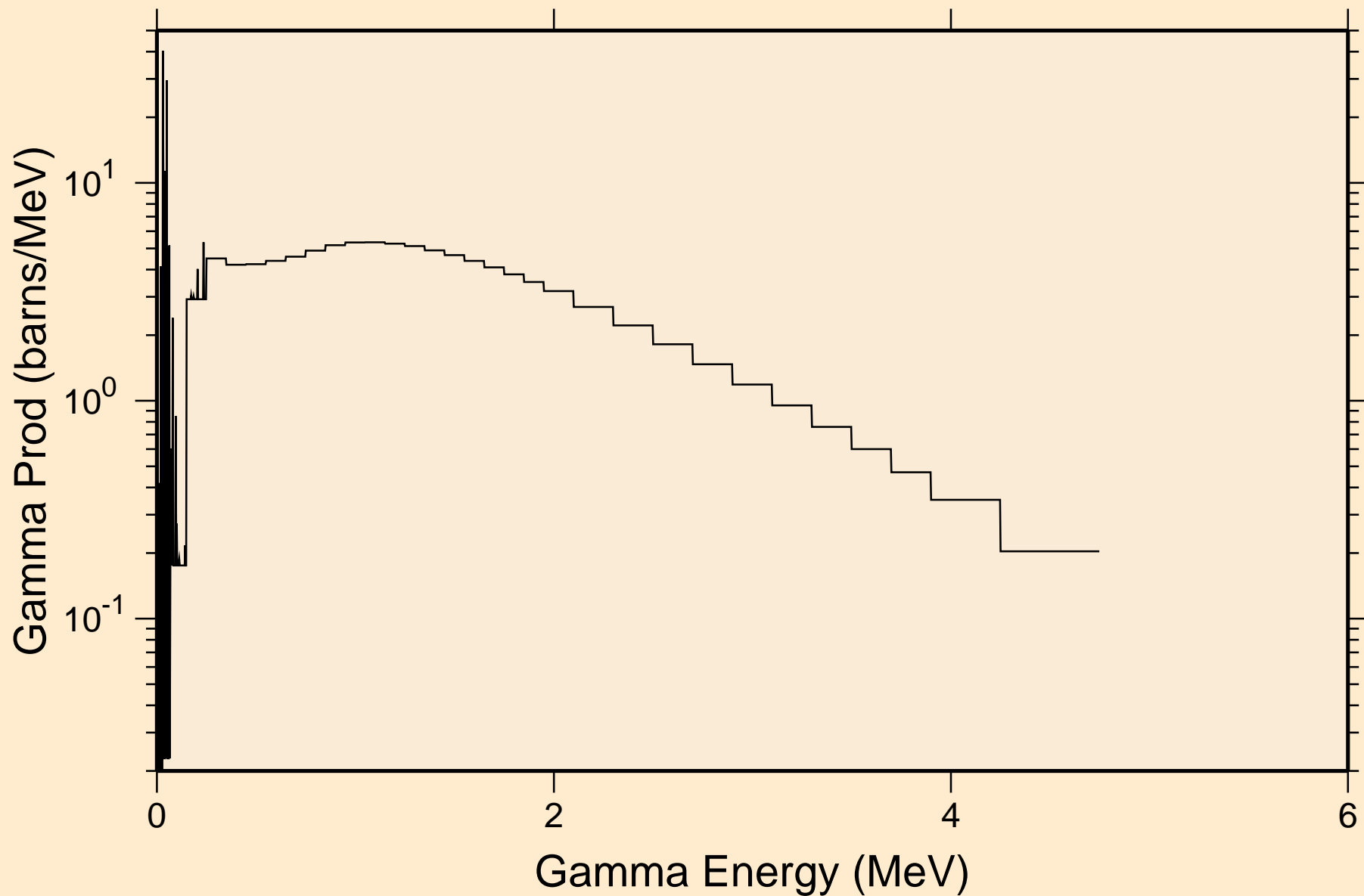
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)



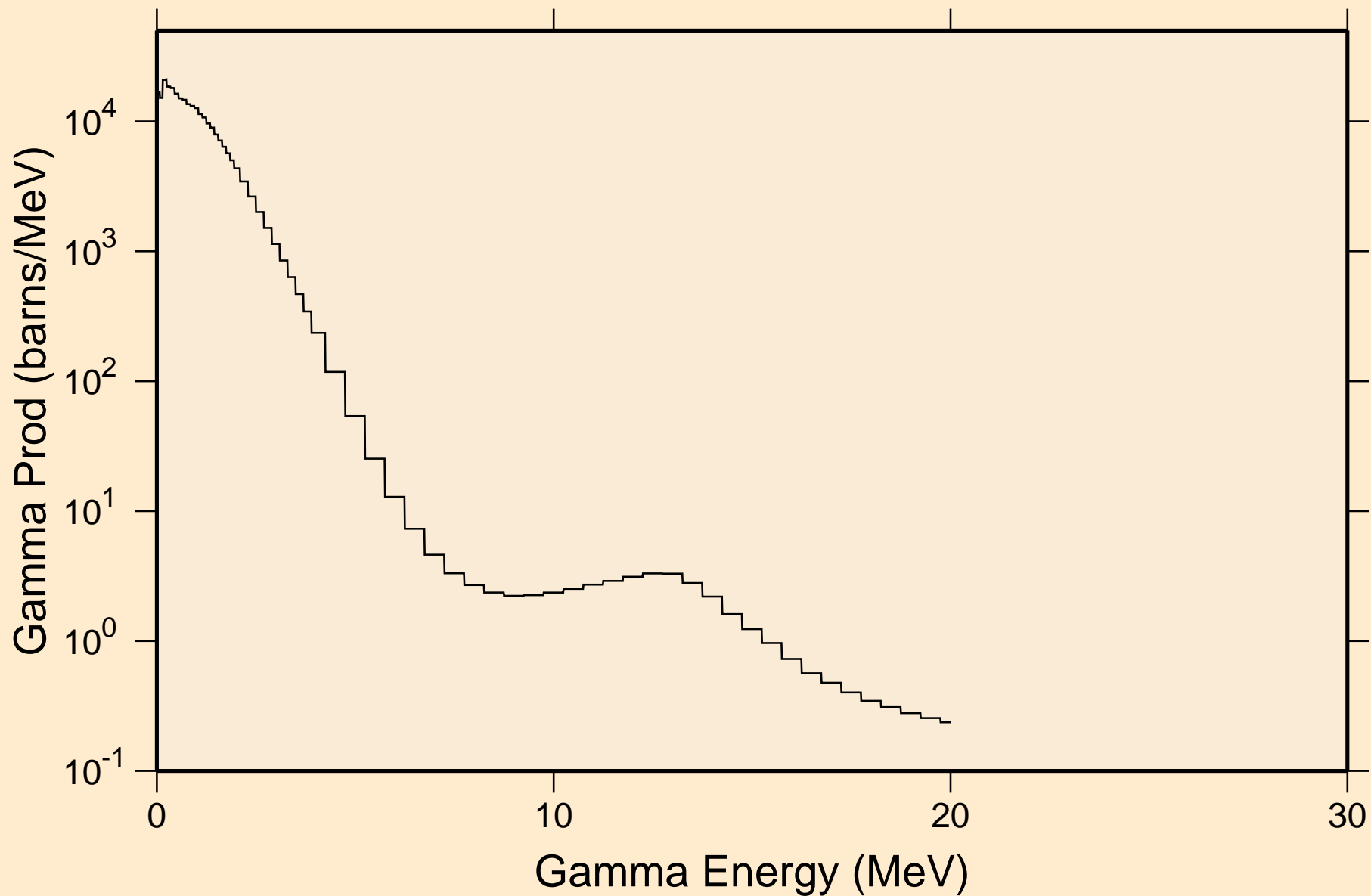
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)



RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

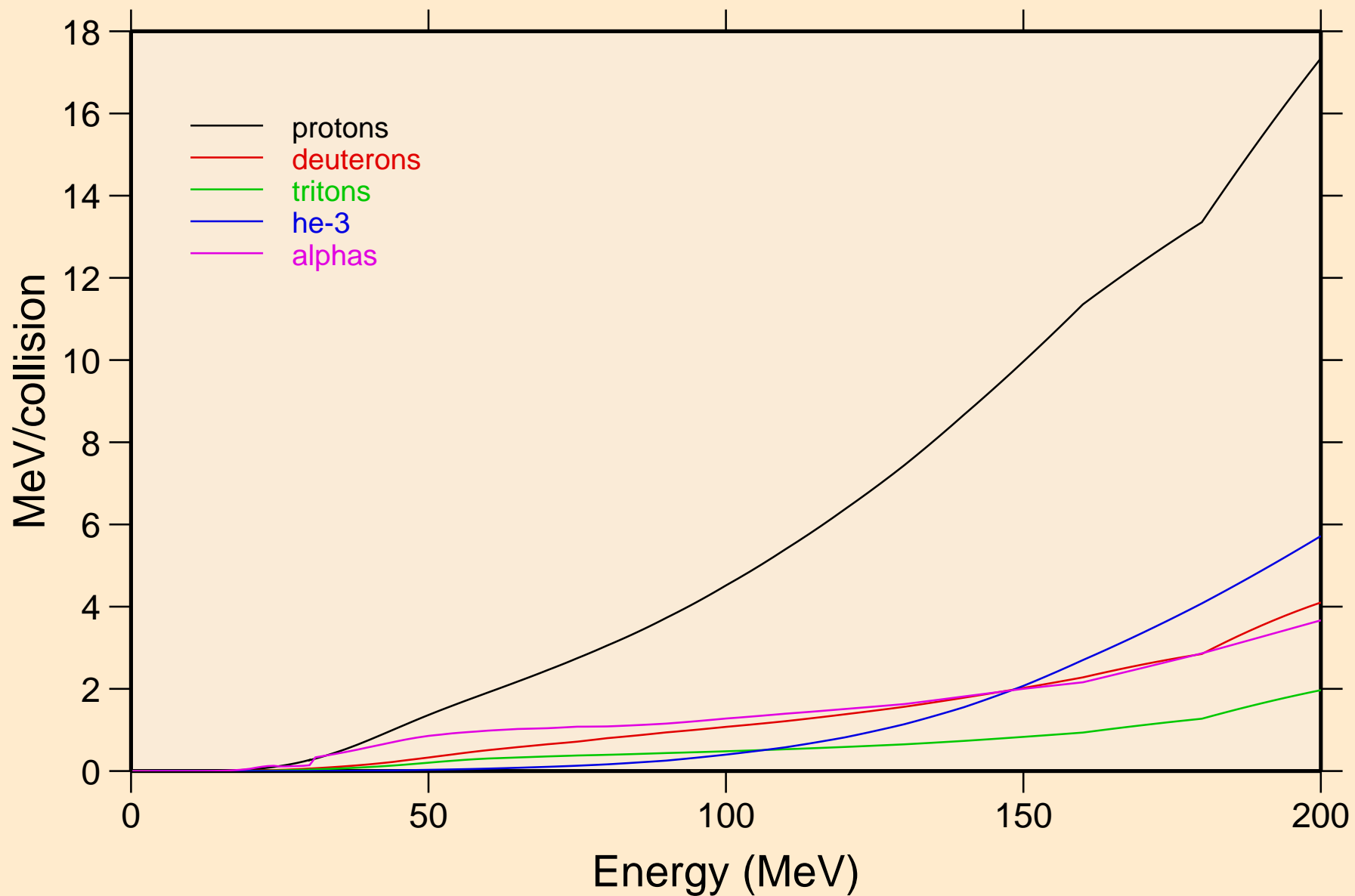


RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

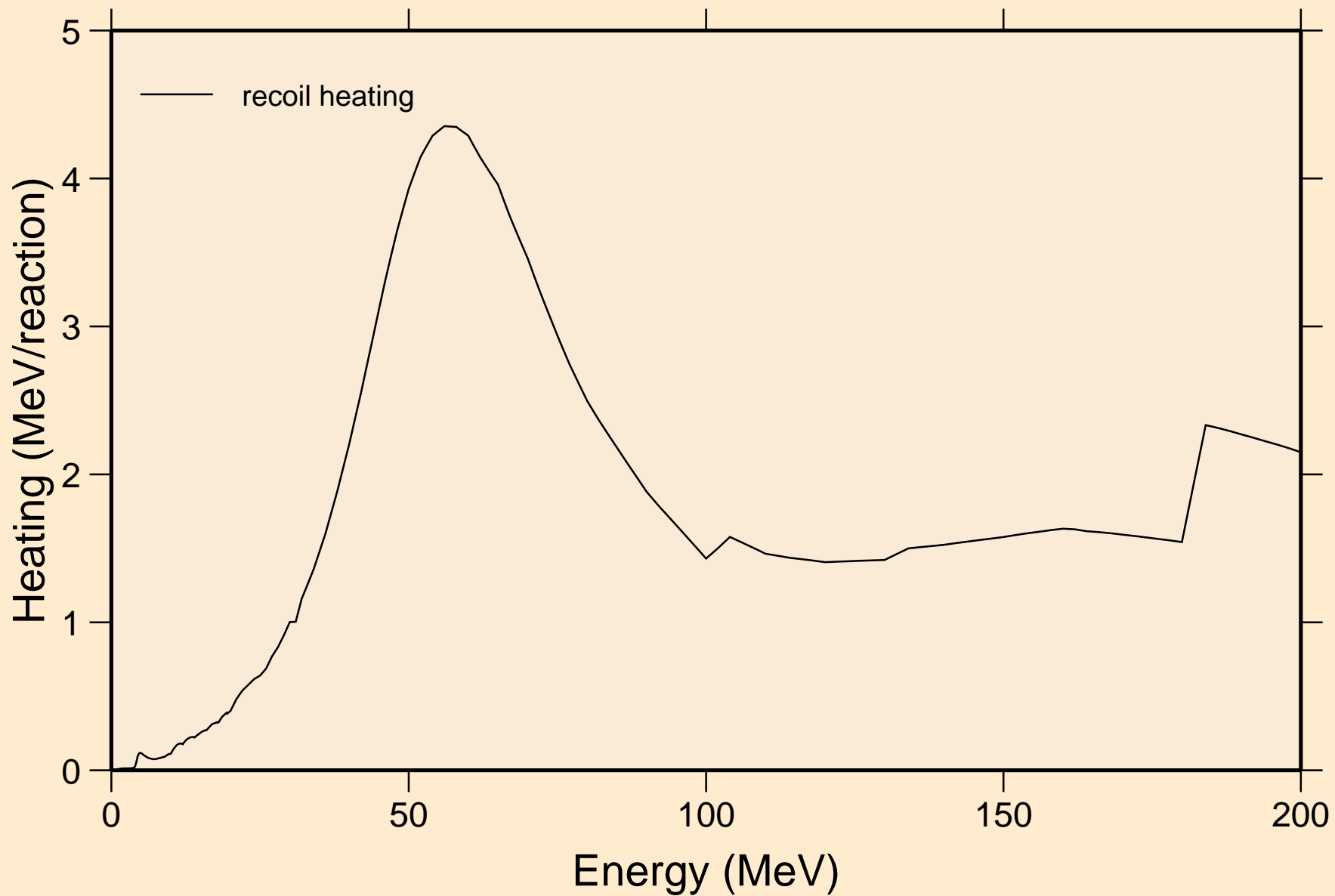


# RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

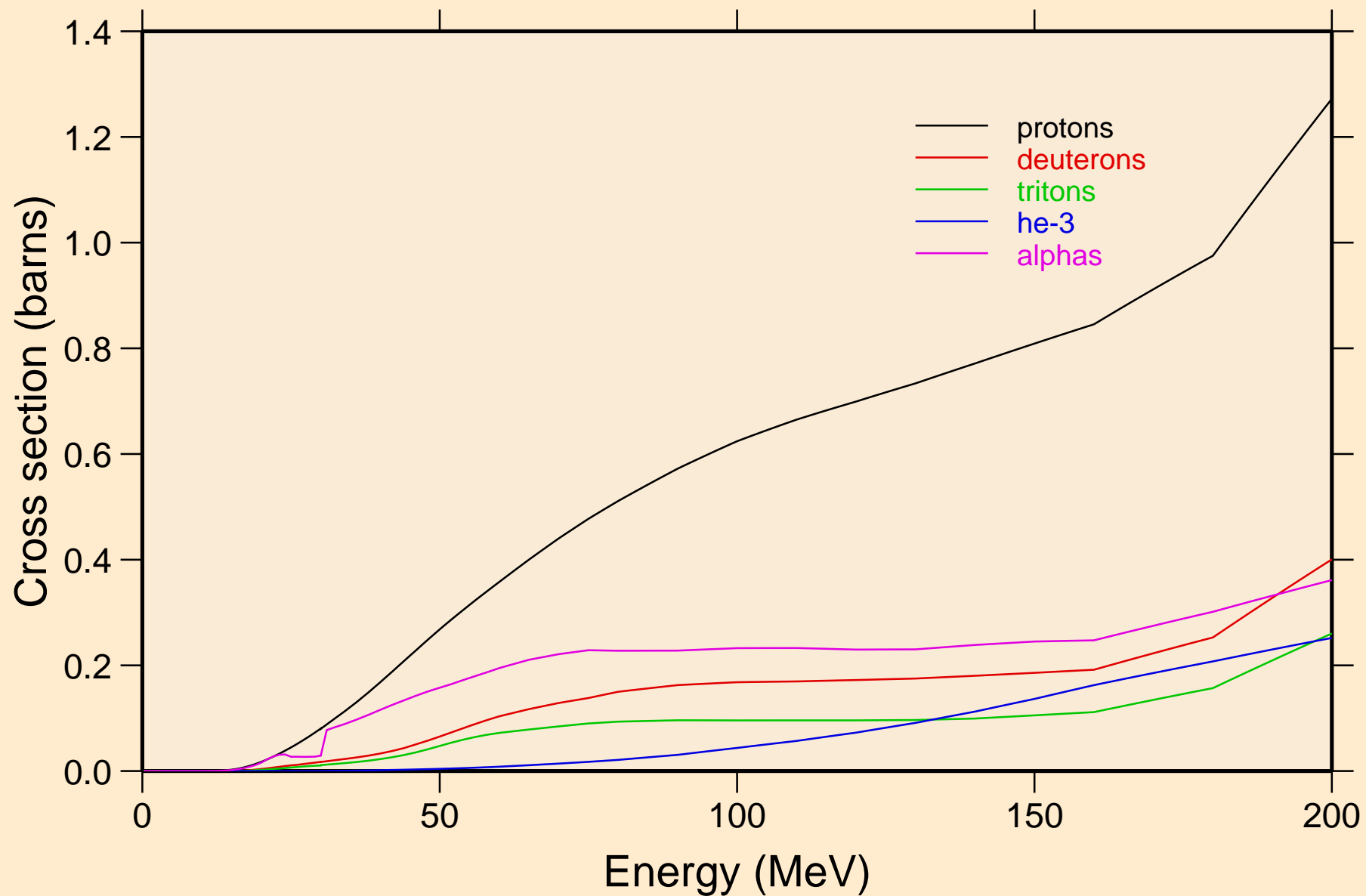
## Particle heating contributions



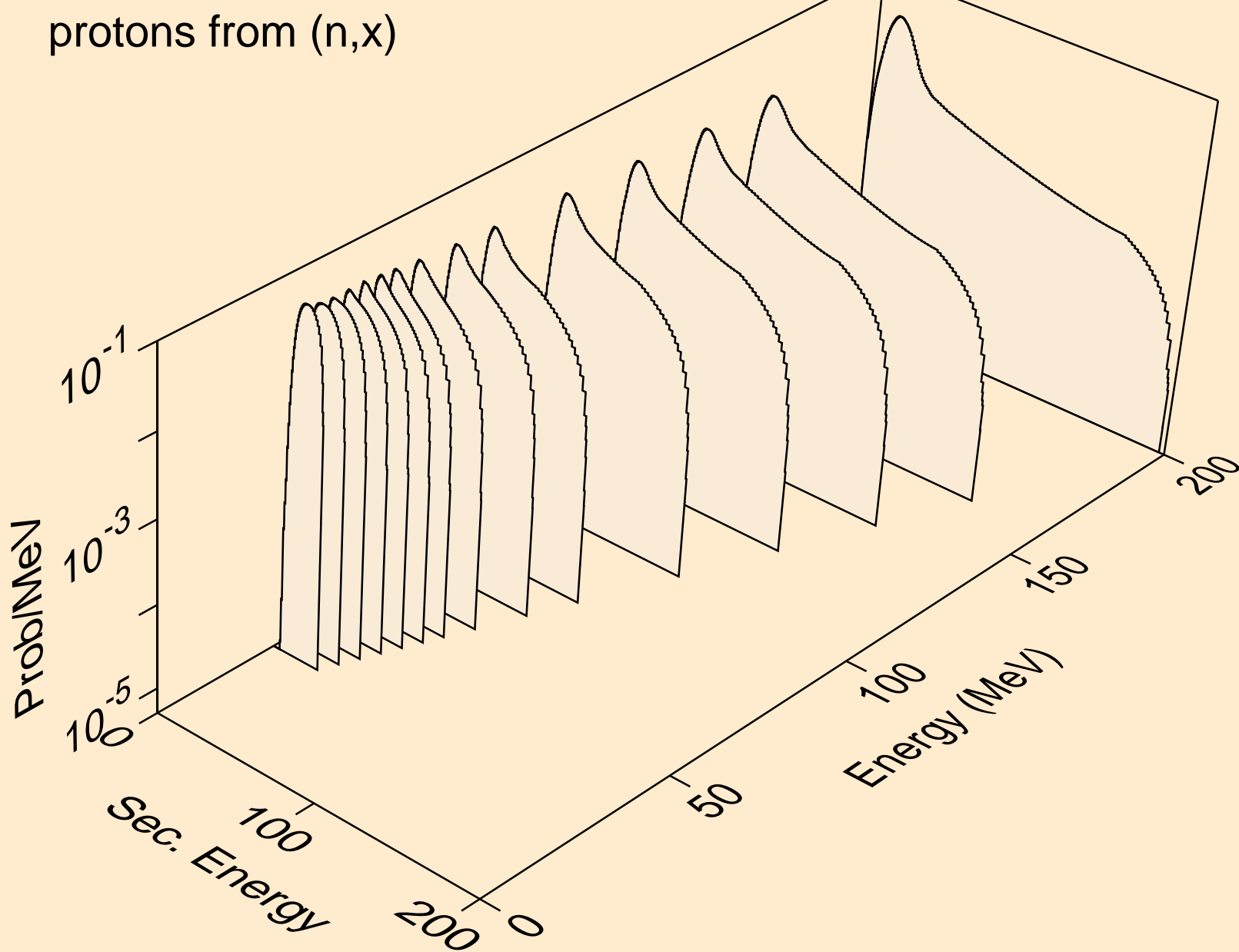
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating



RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle production cross sections

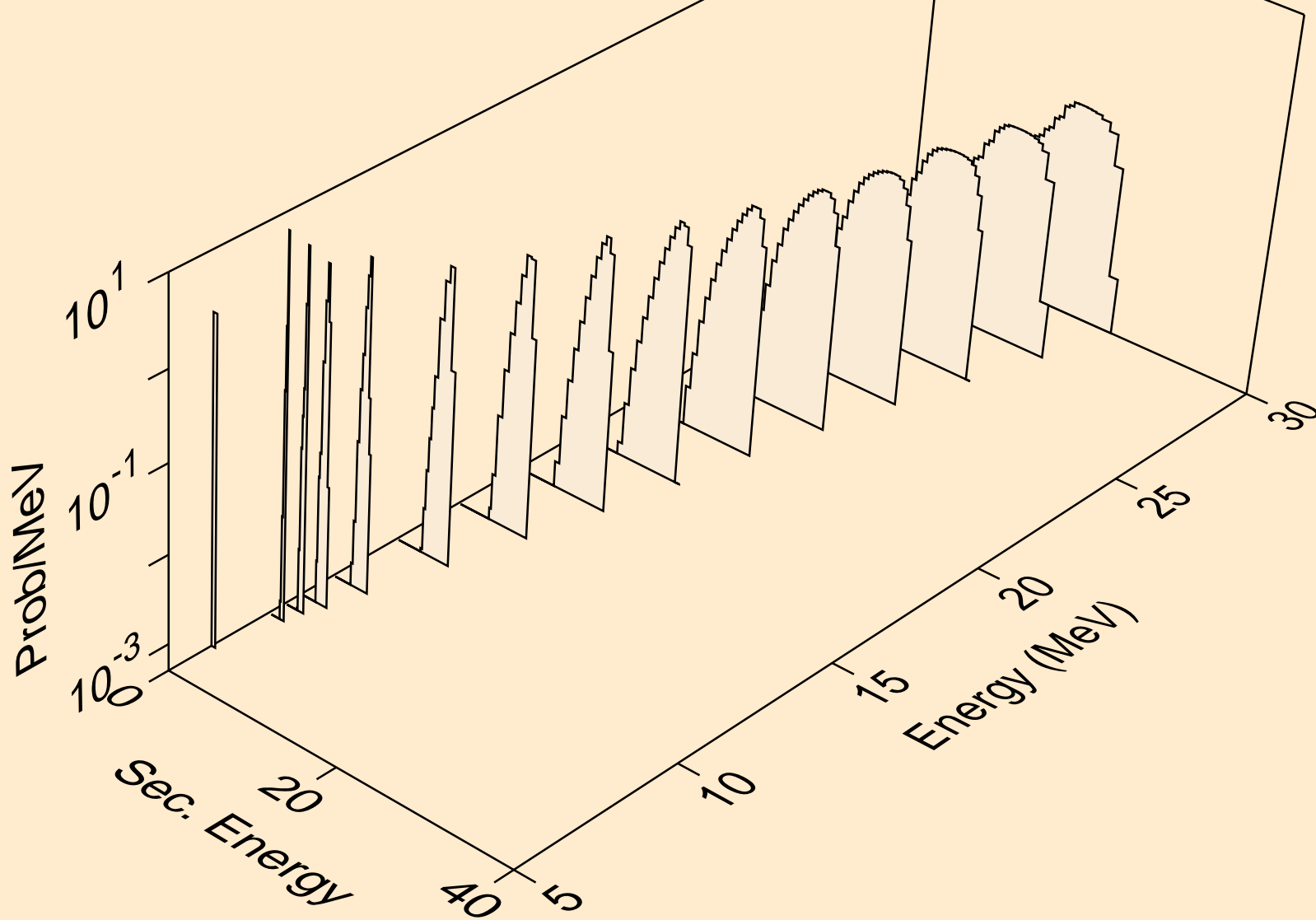


RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)

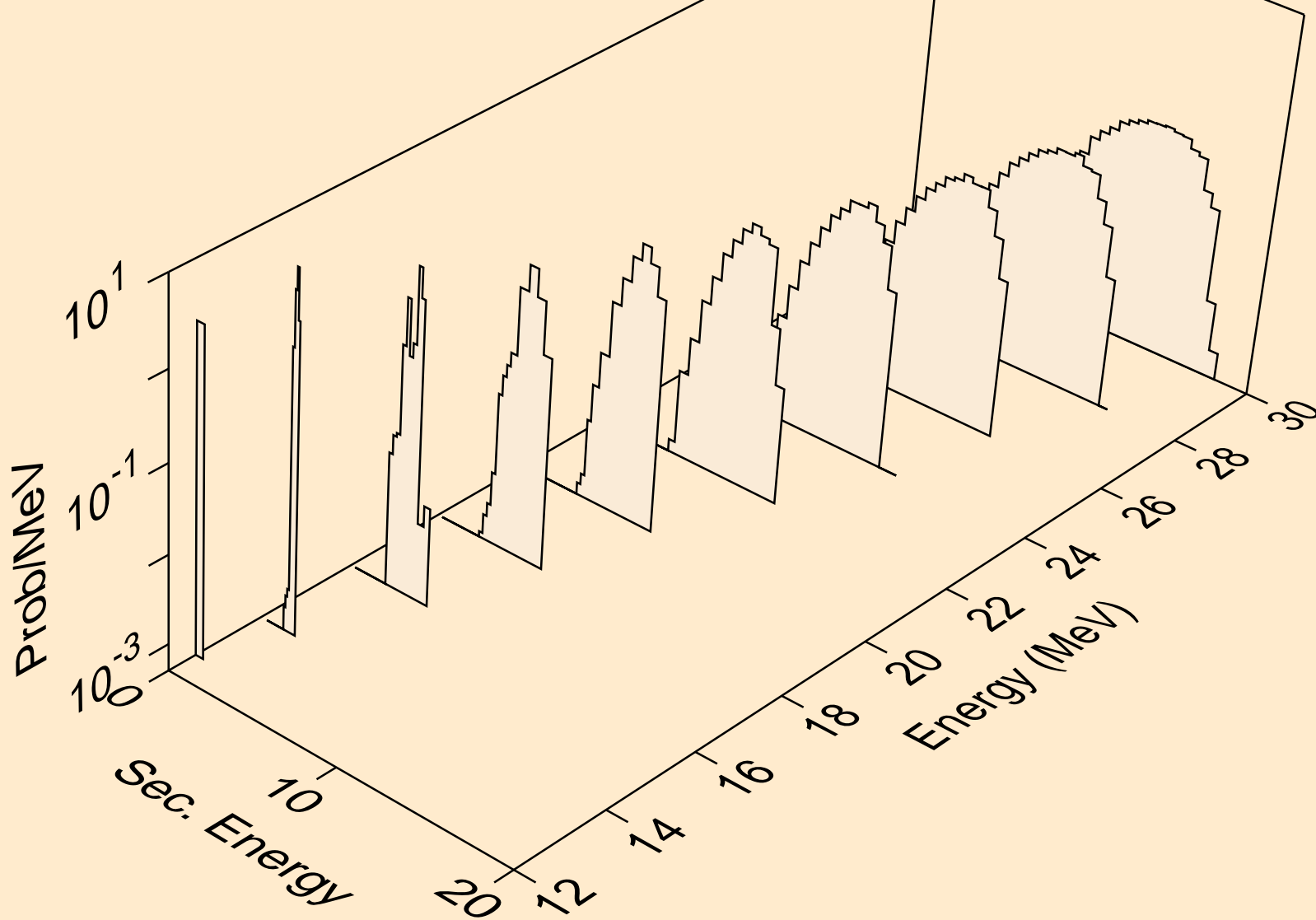




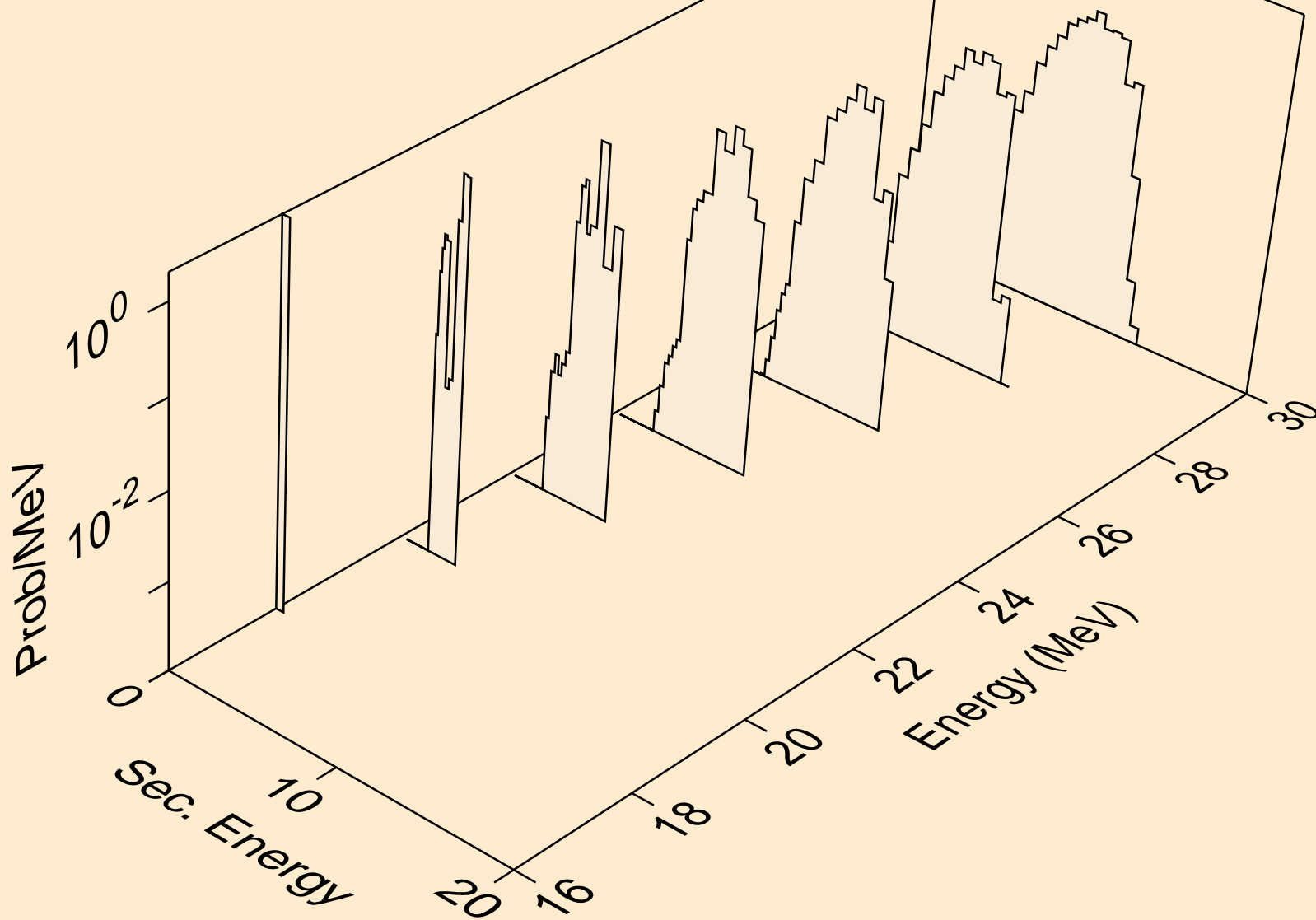
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



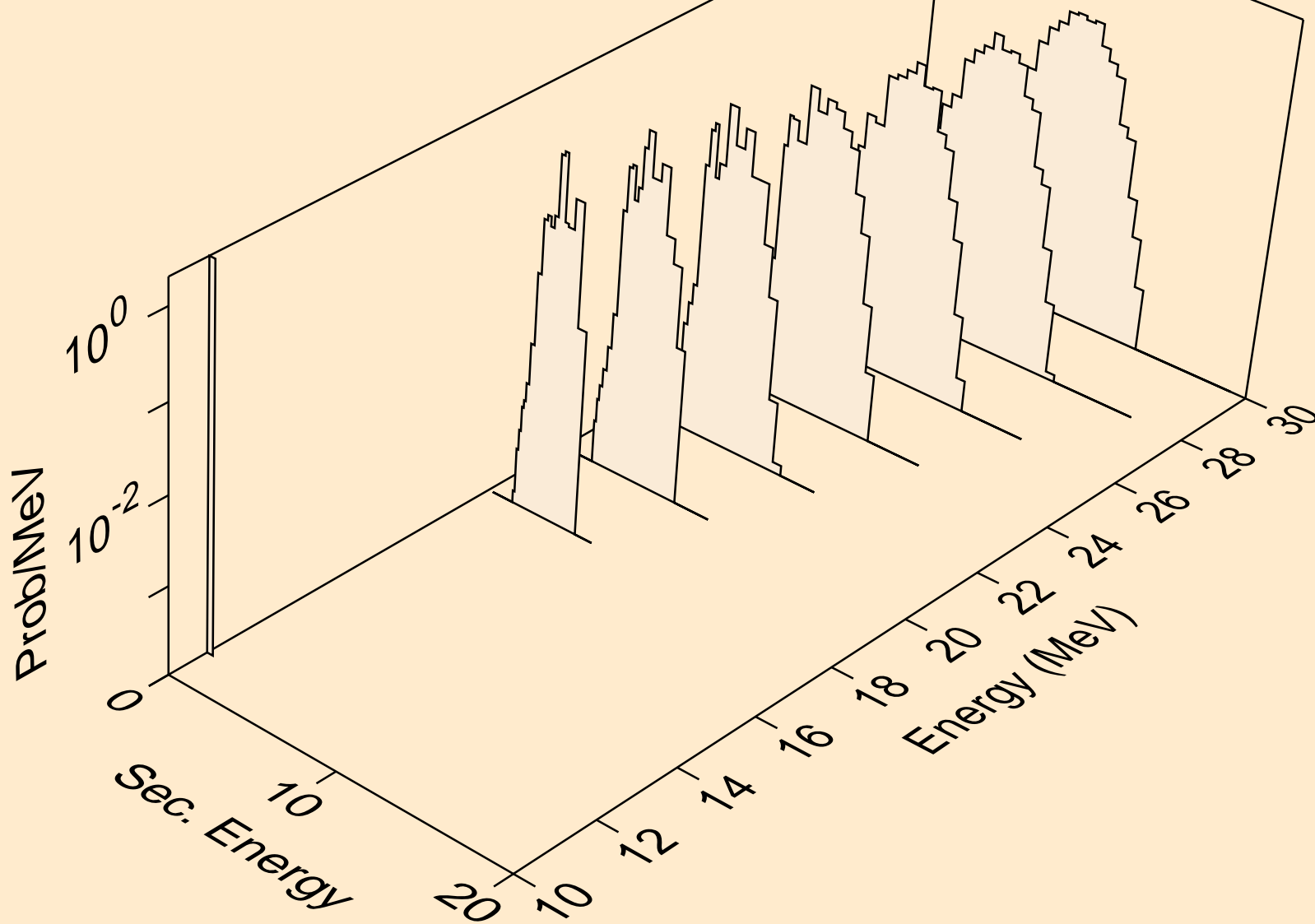
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protons from (n,2np)



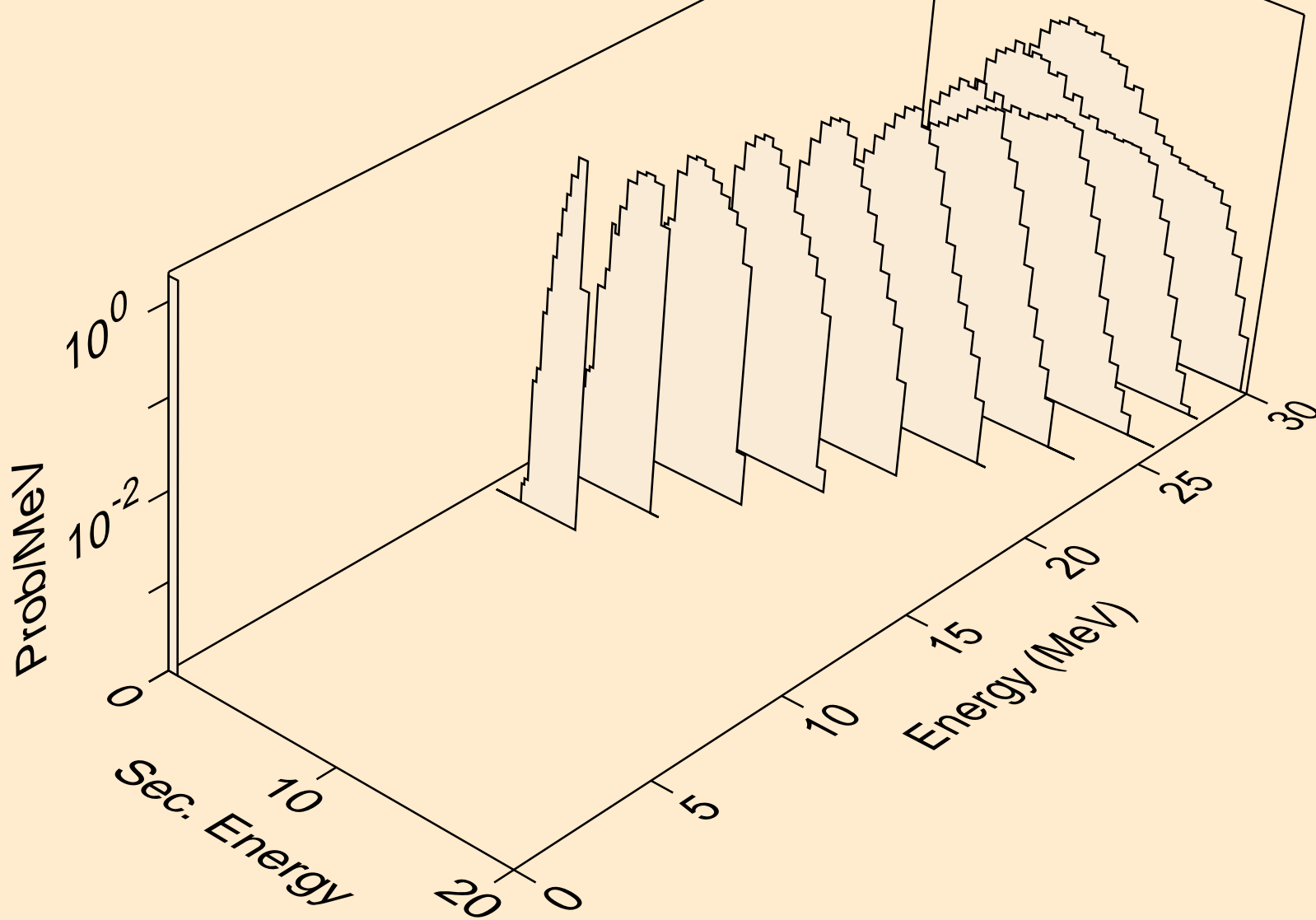
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)



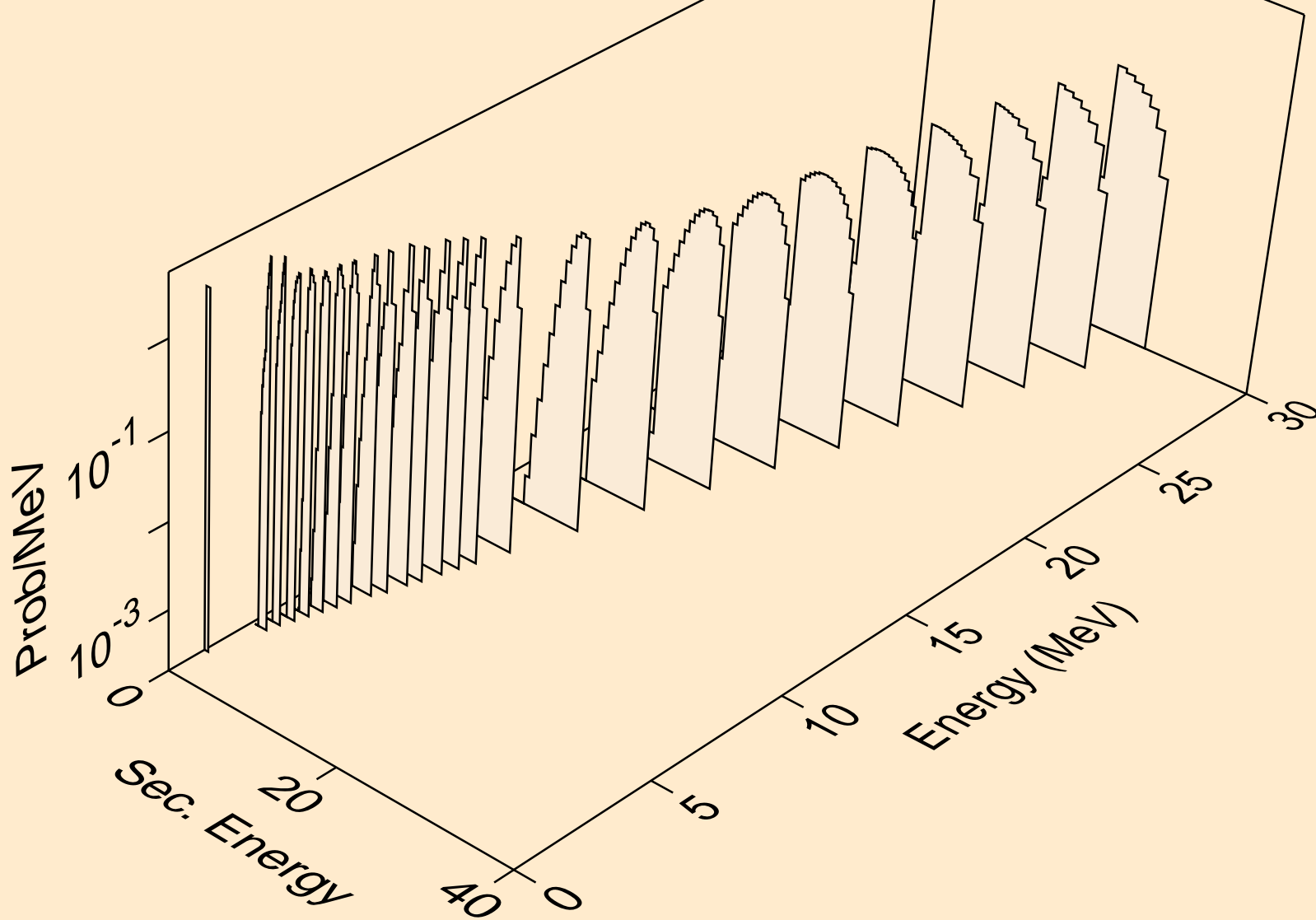
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protons from (n,2np)



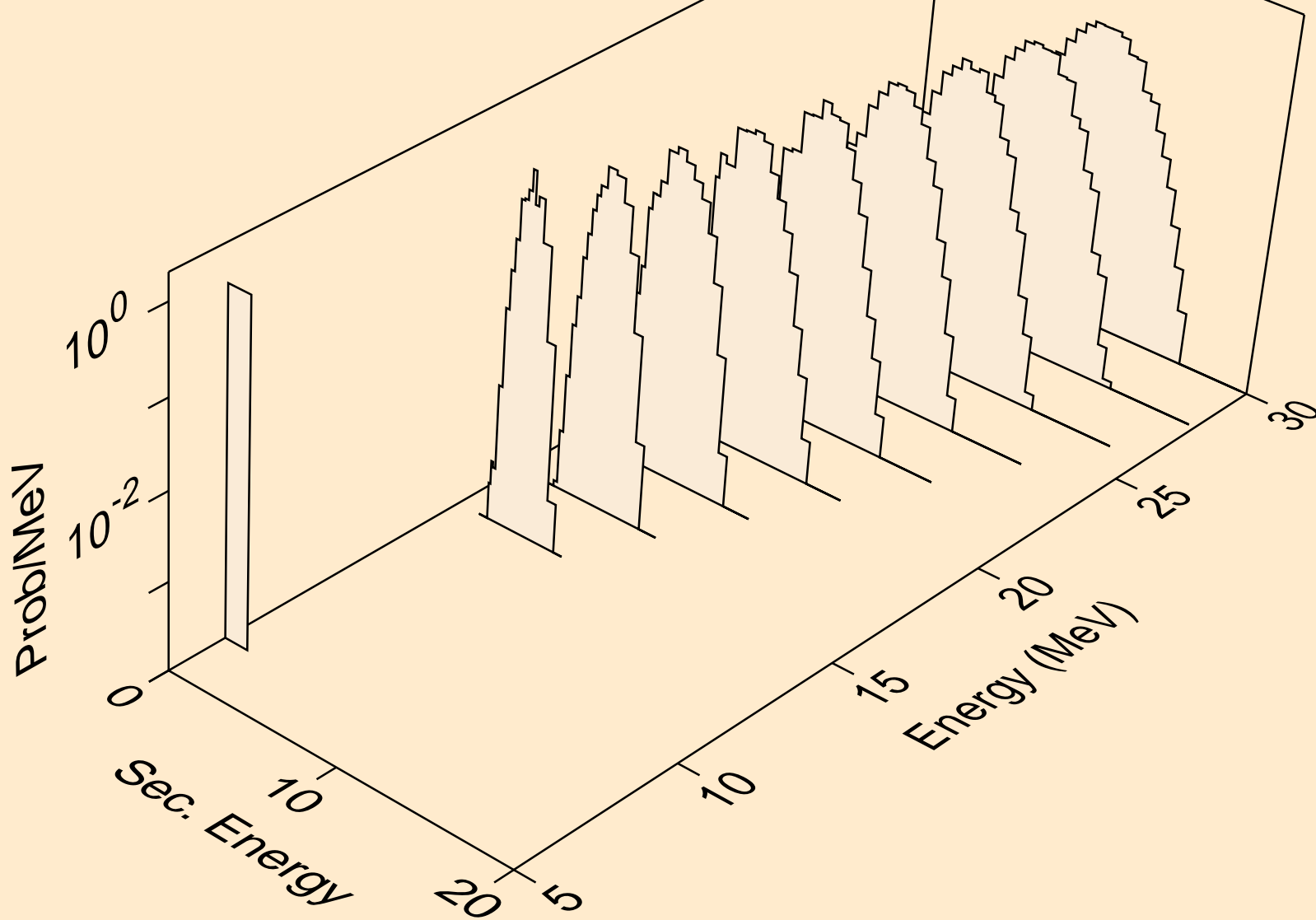
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,npa)



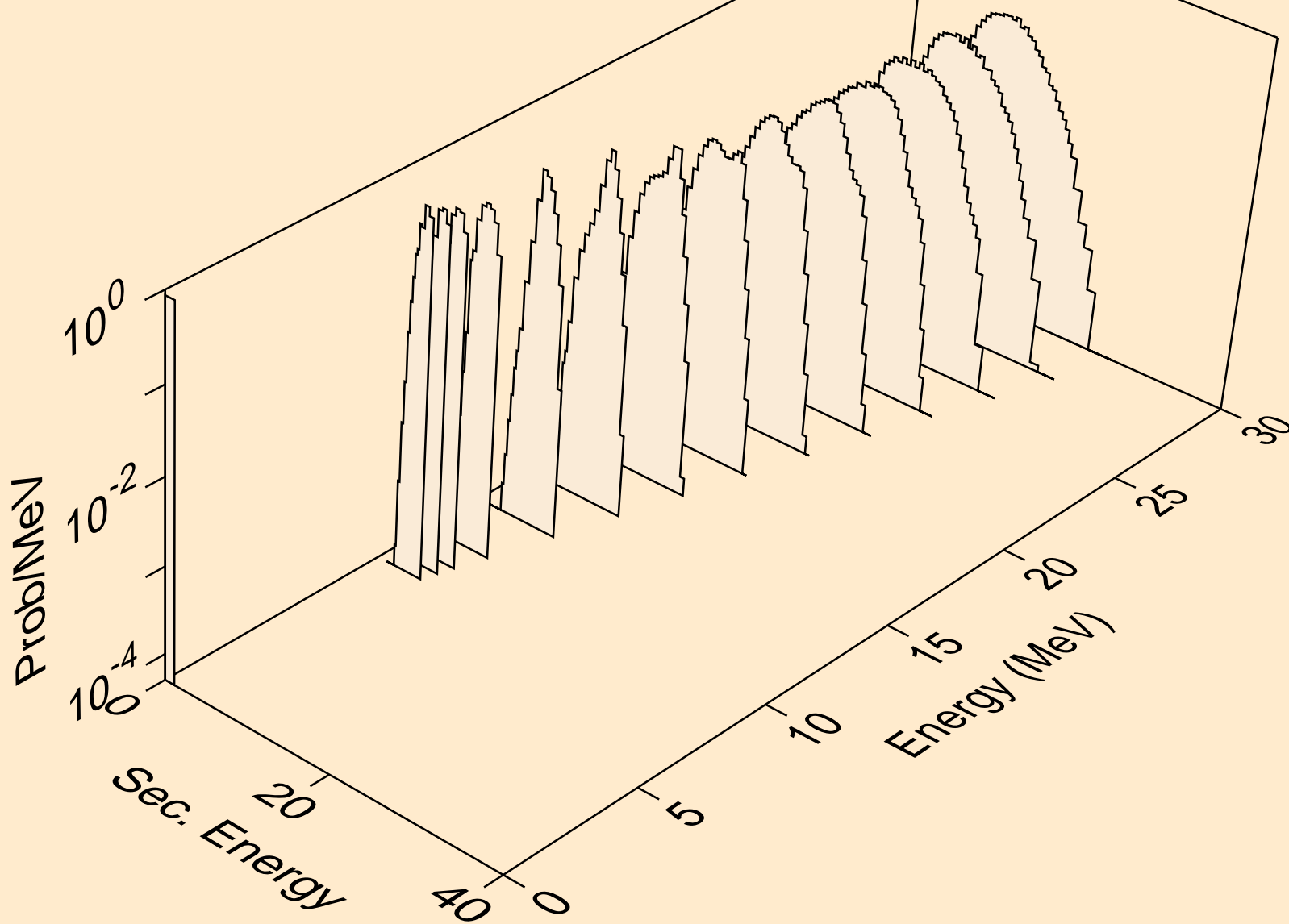
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)

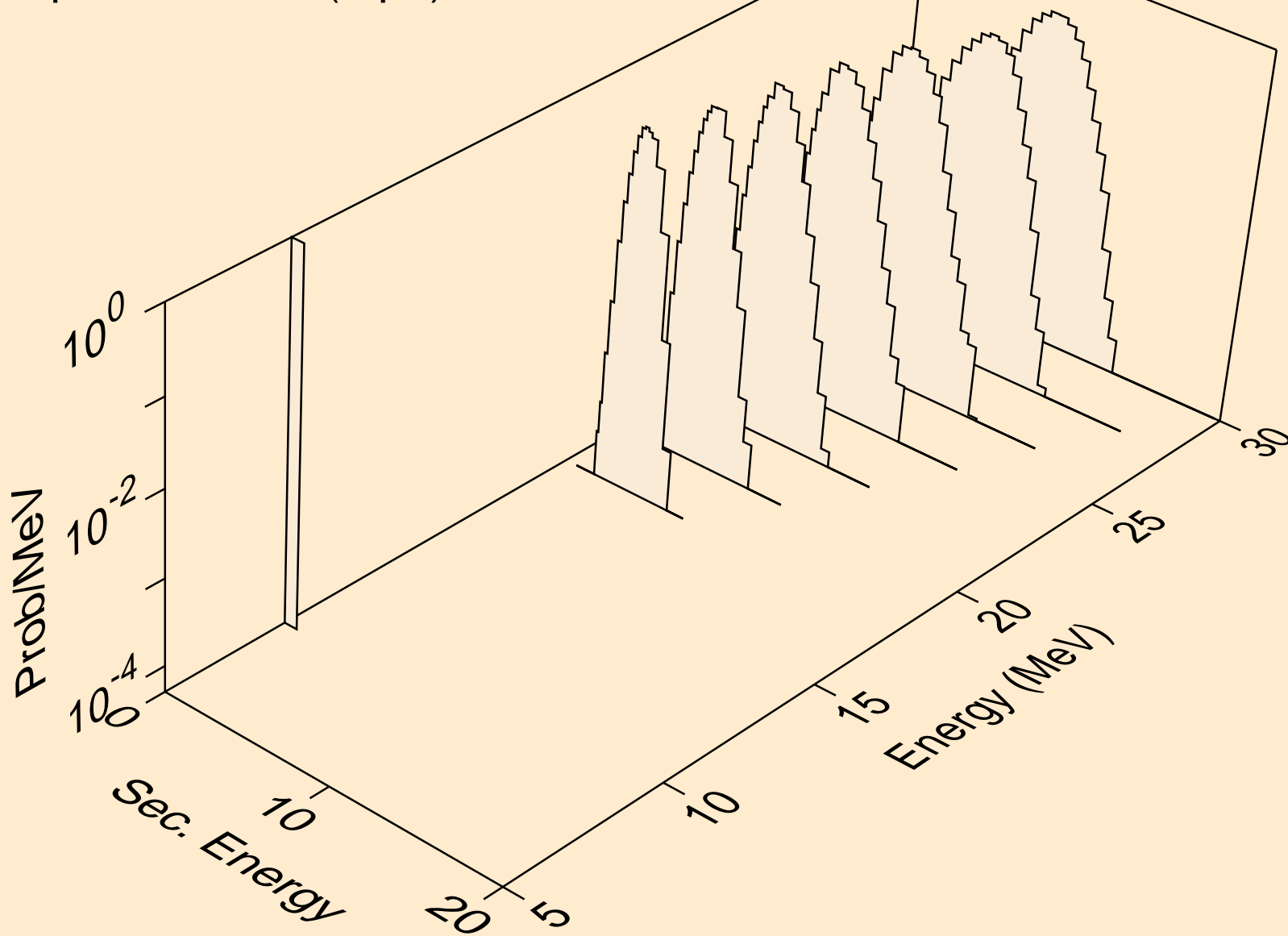


RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)

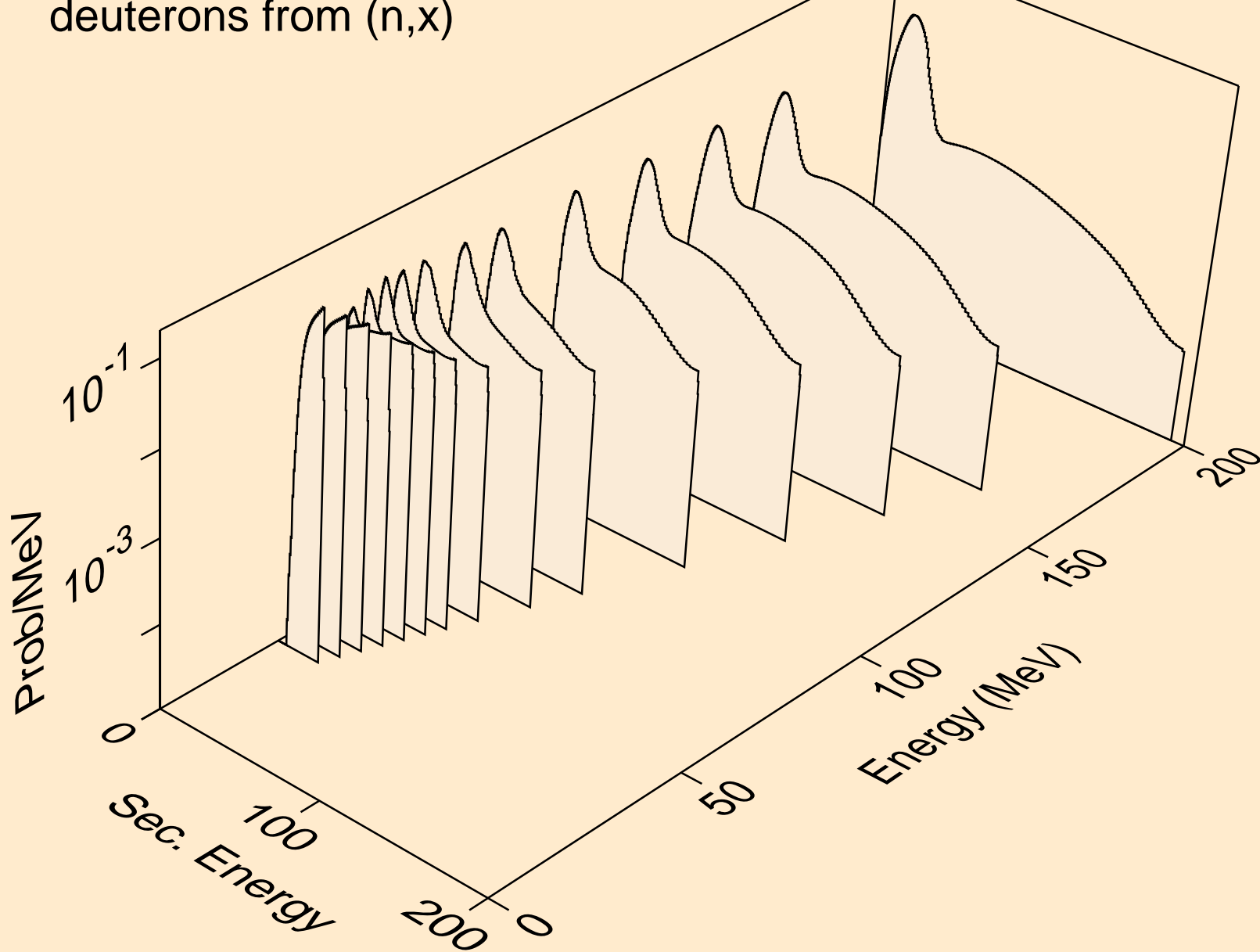




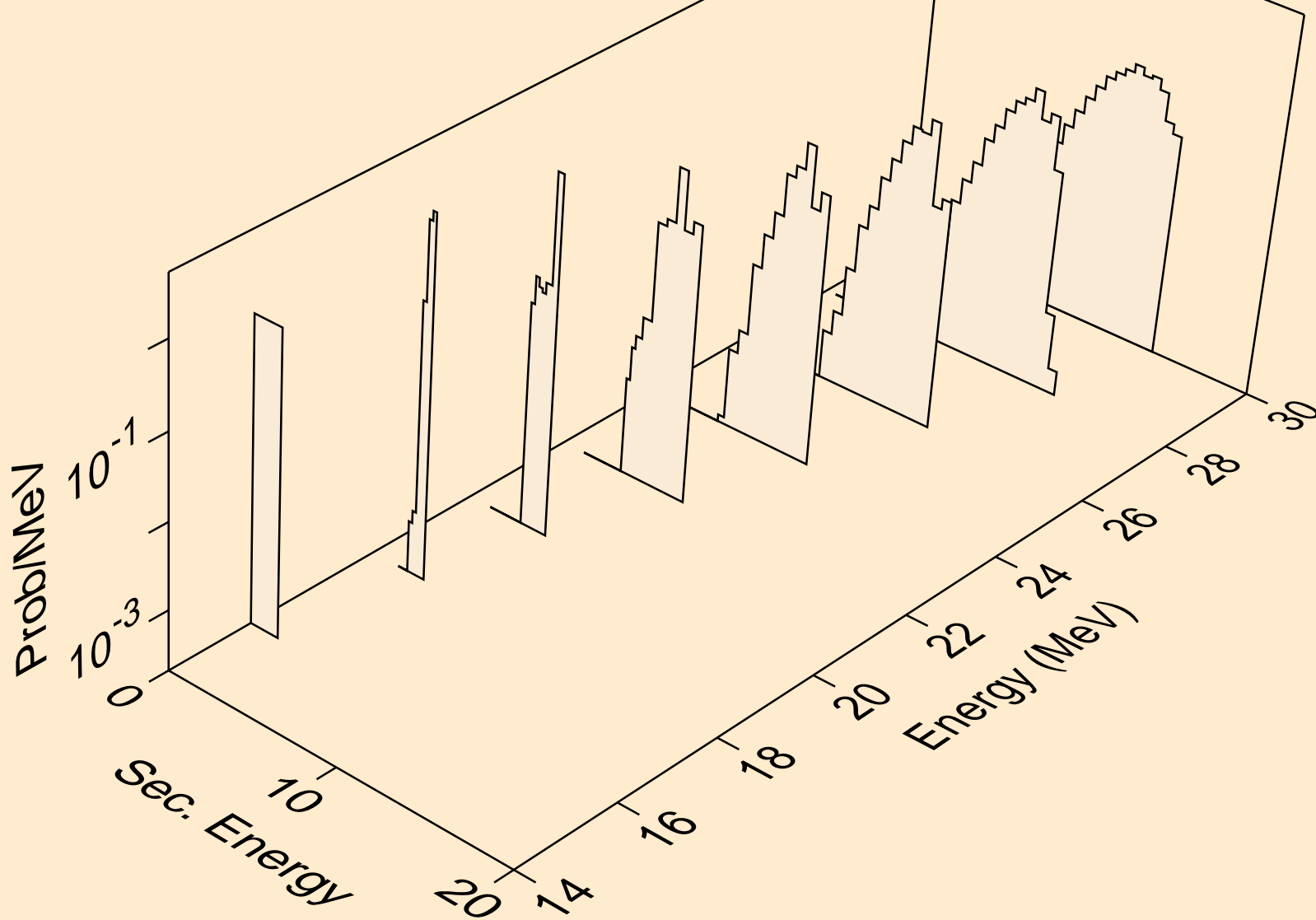
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protons from (n,pd)



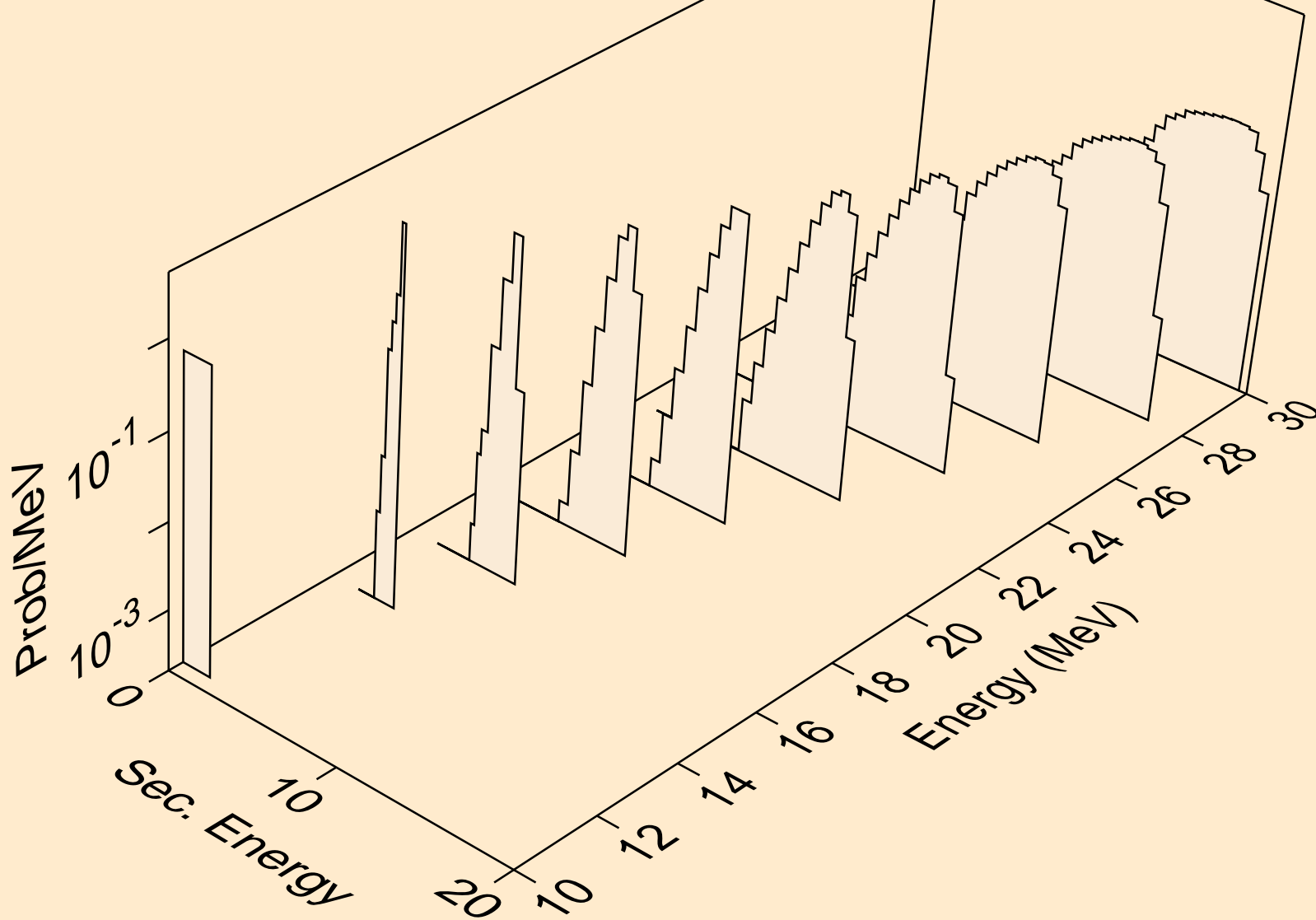
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)



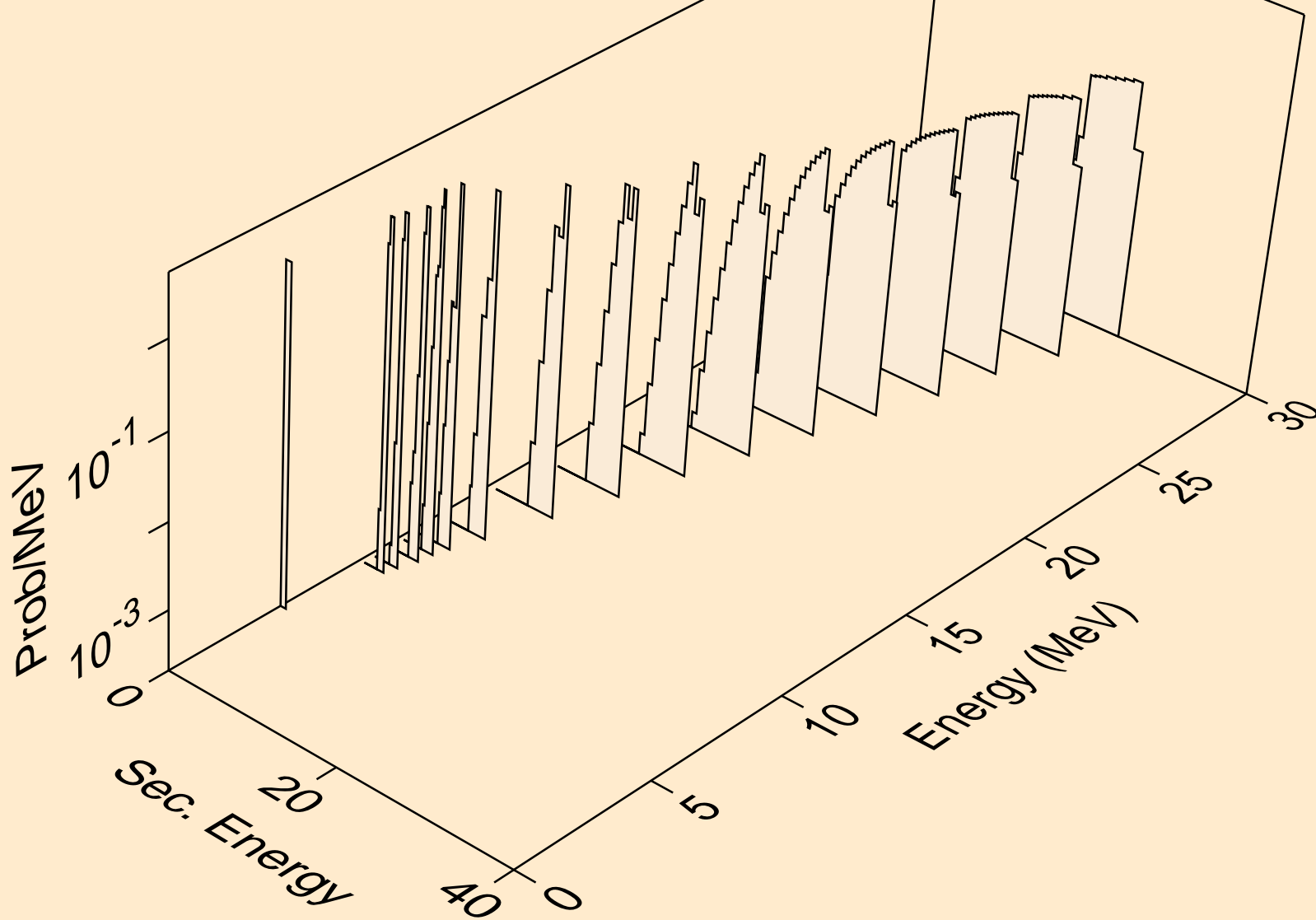
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deuterons from (n,2nd)



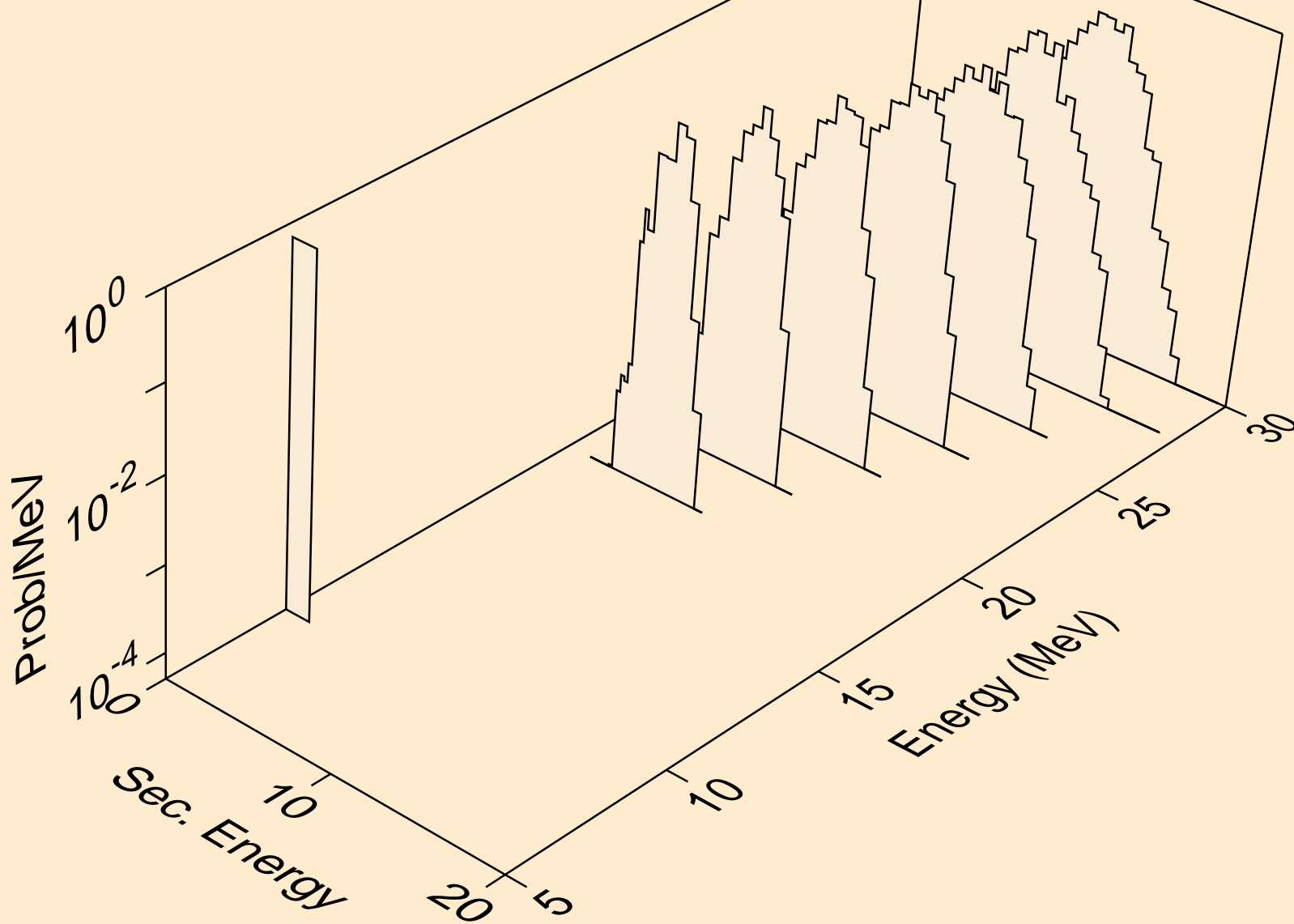
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d



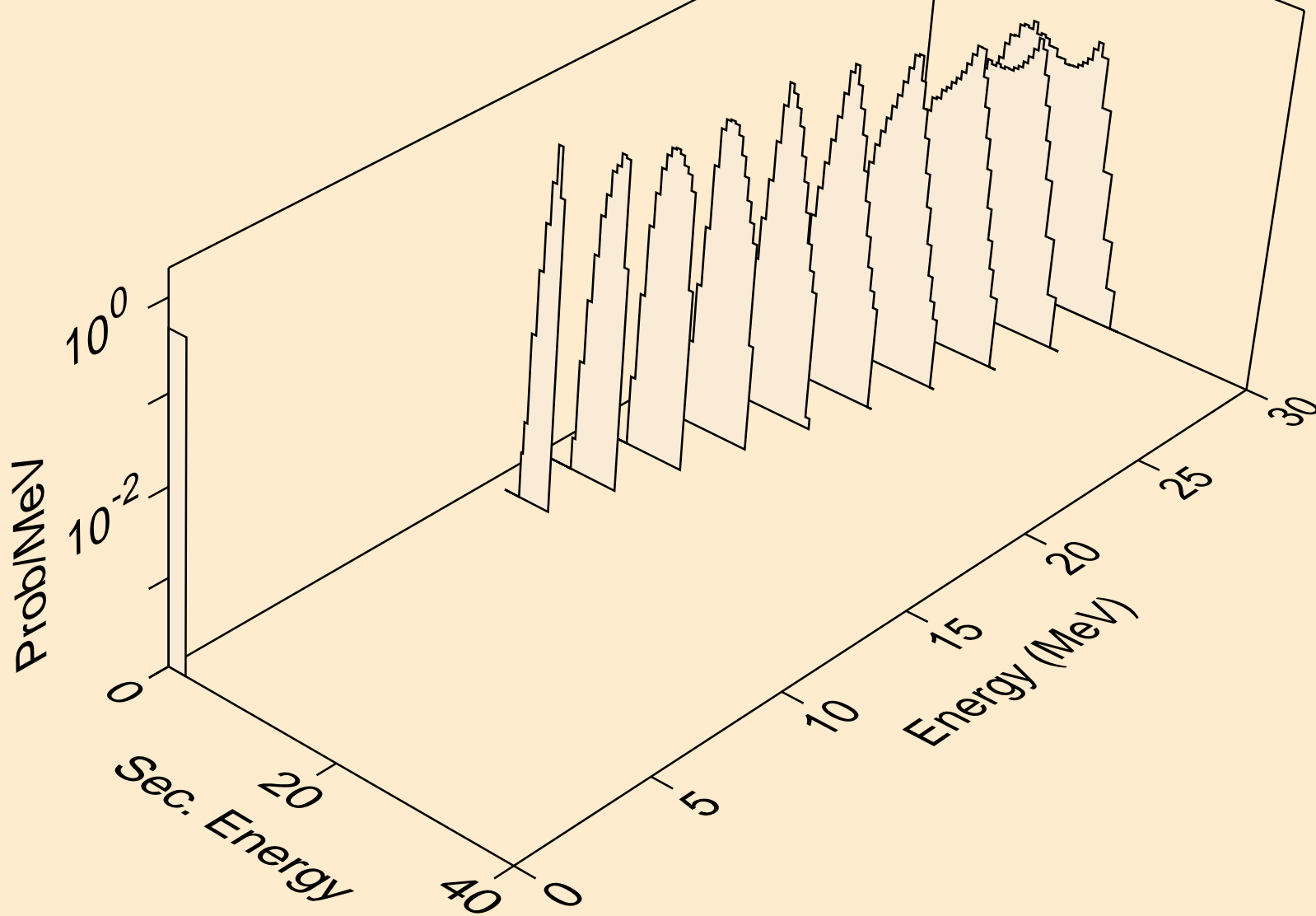
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)



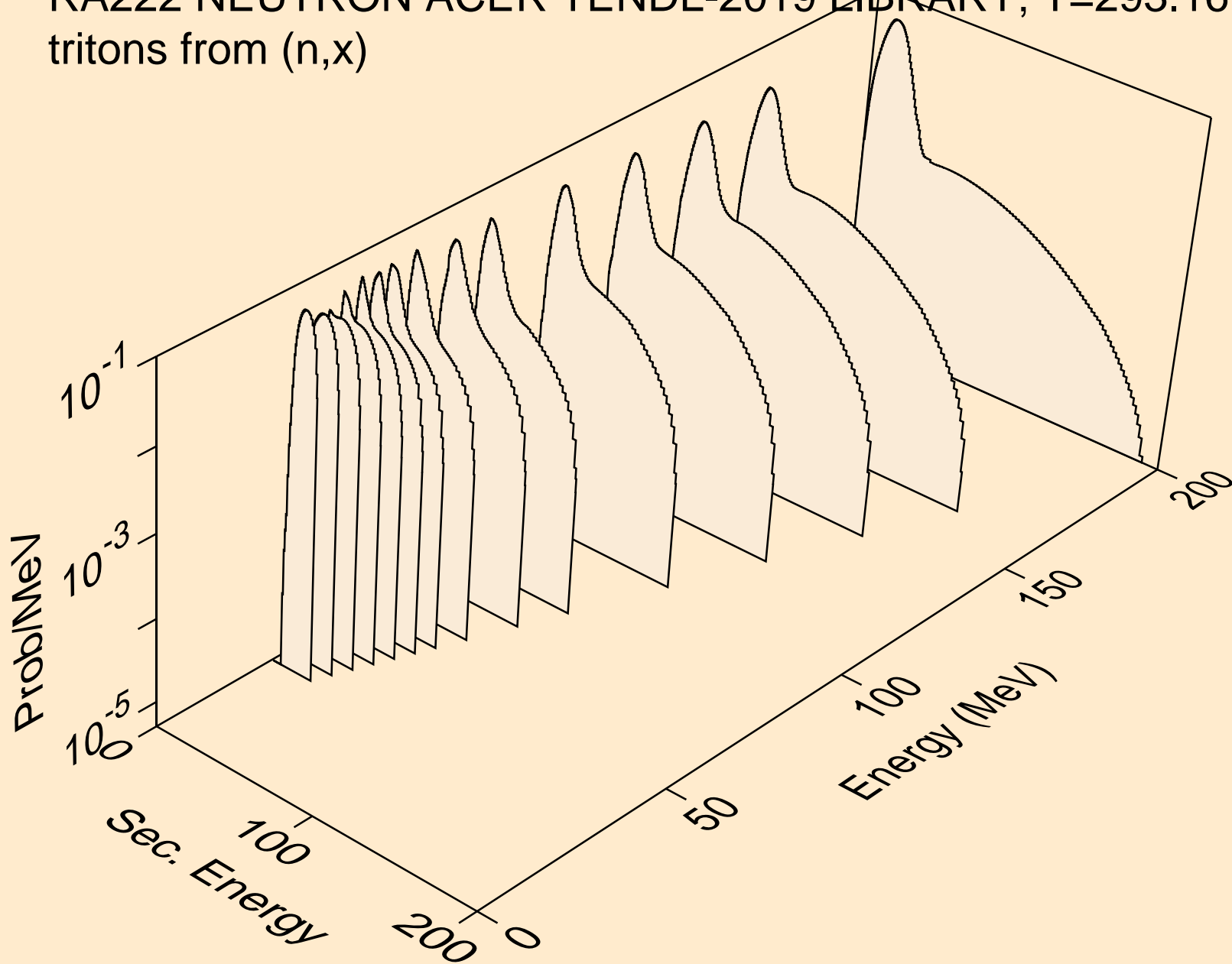
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,pd)



RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,da)

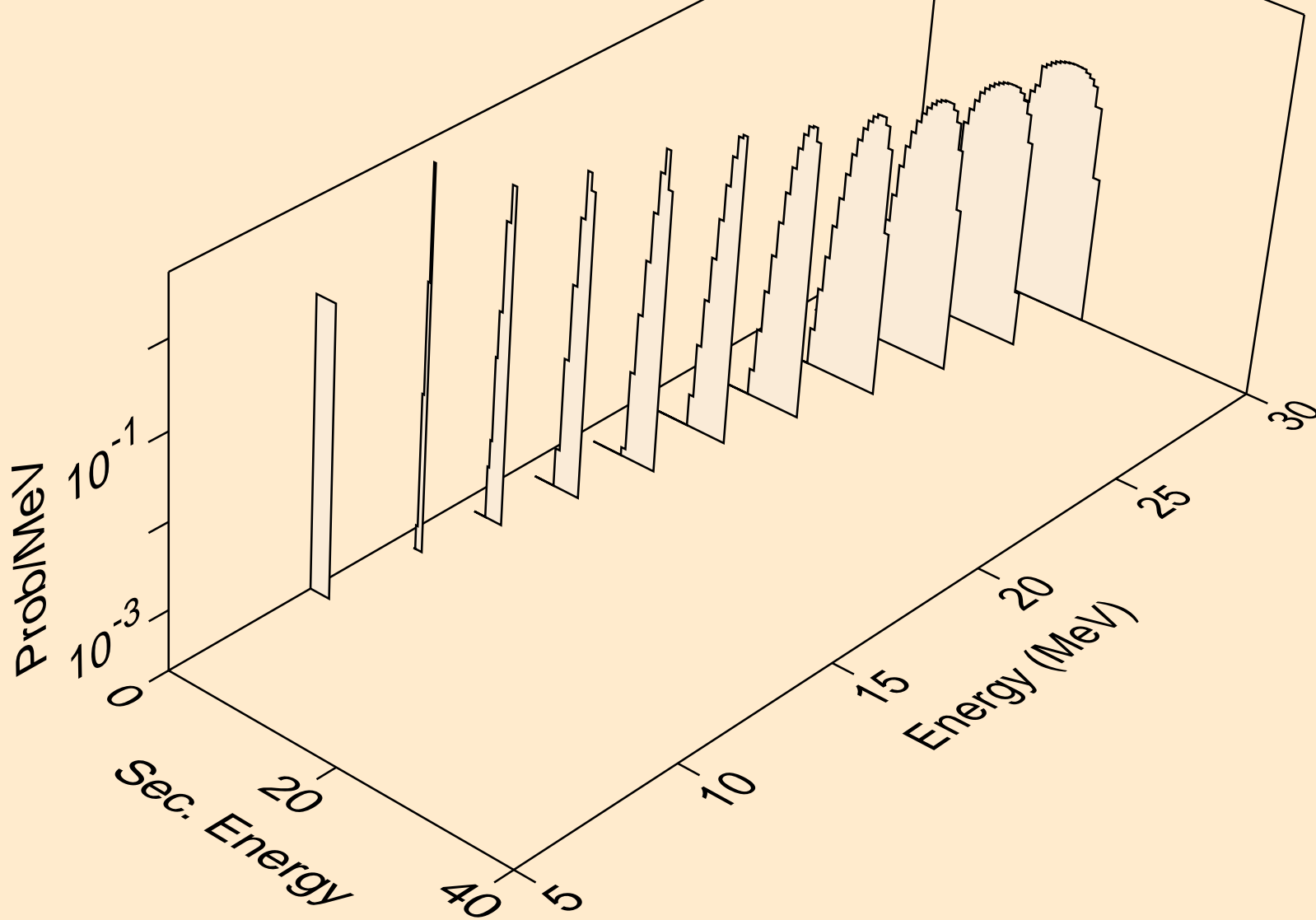


RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)

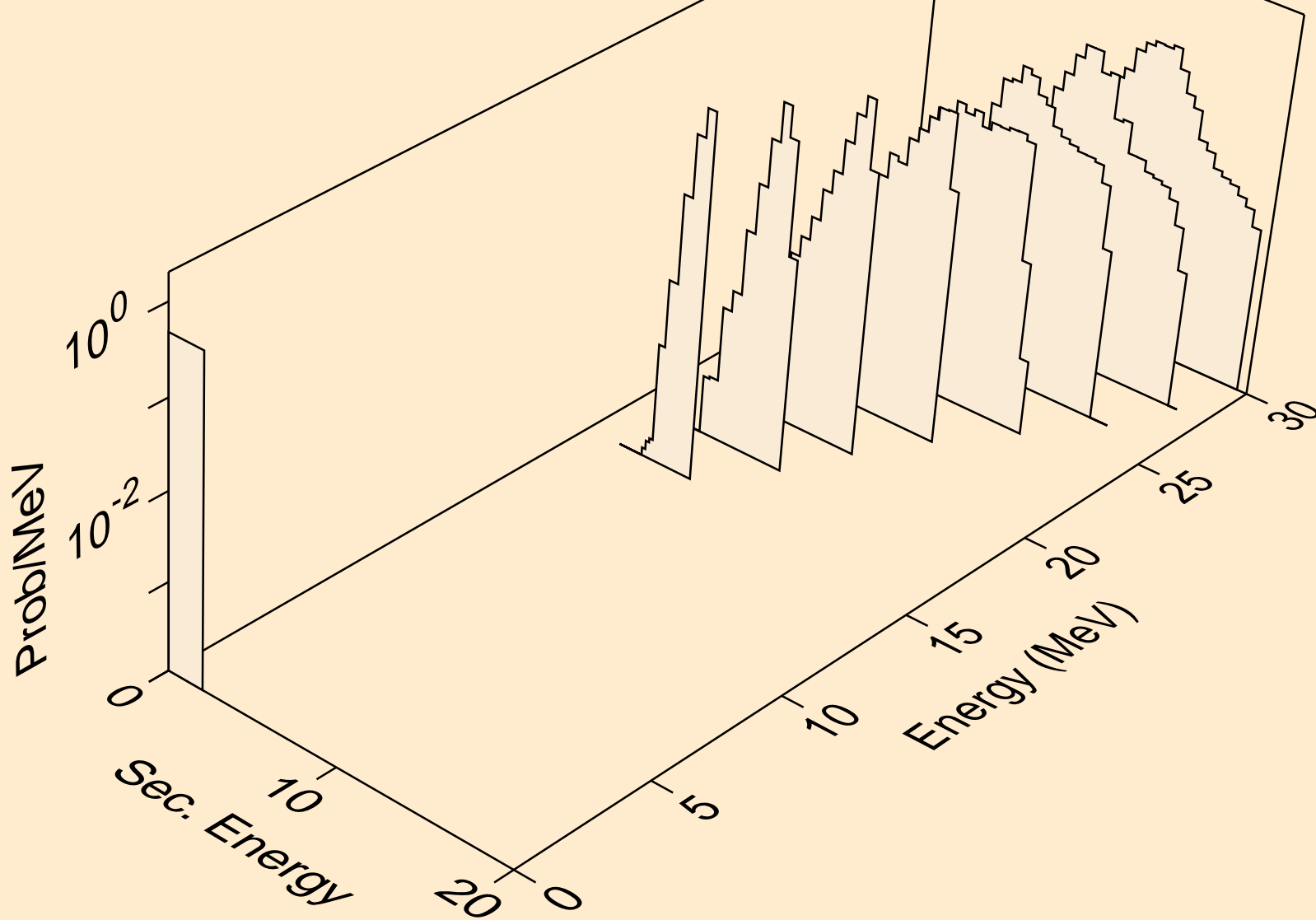




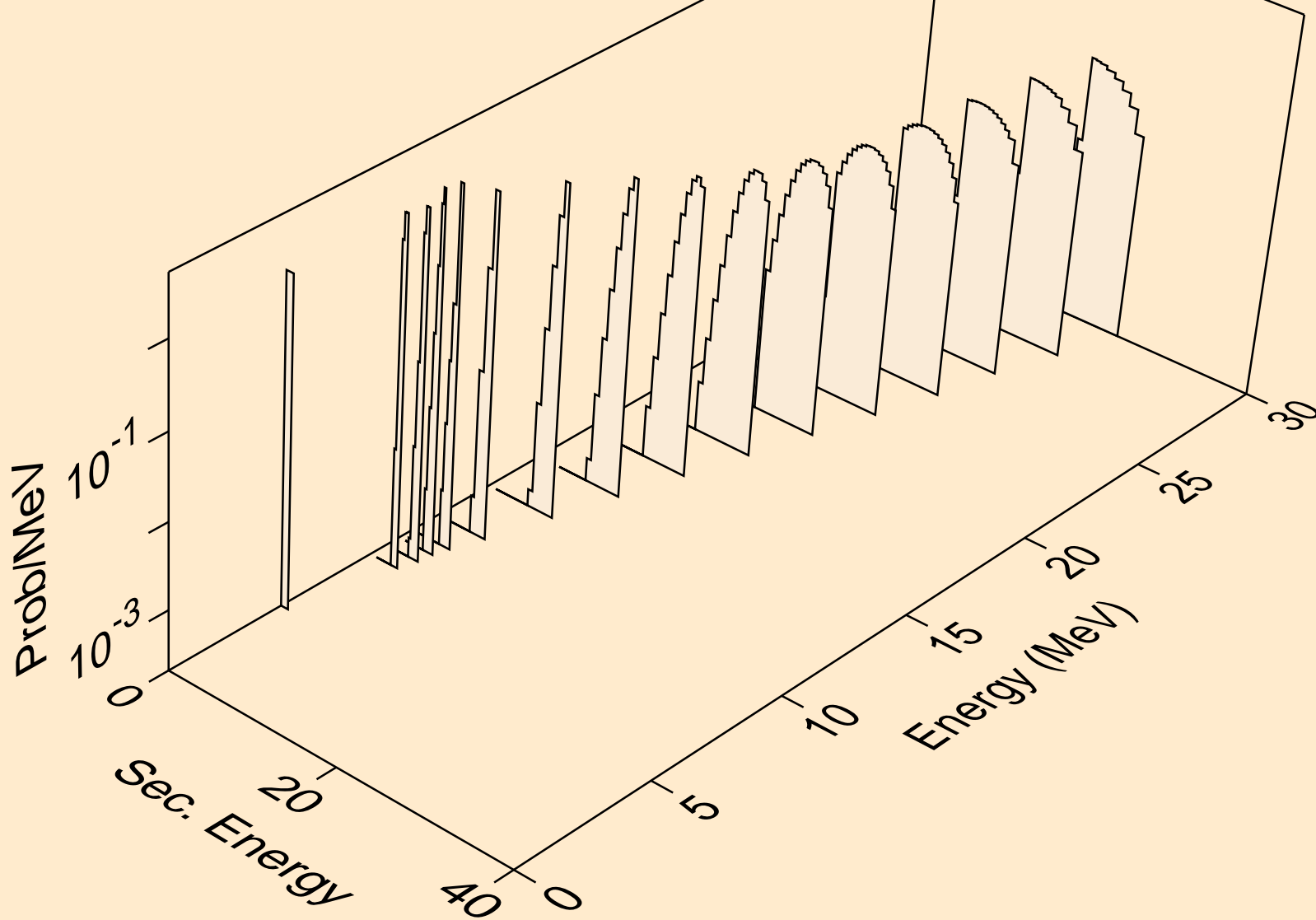
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tritons from (n,n\*)t



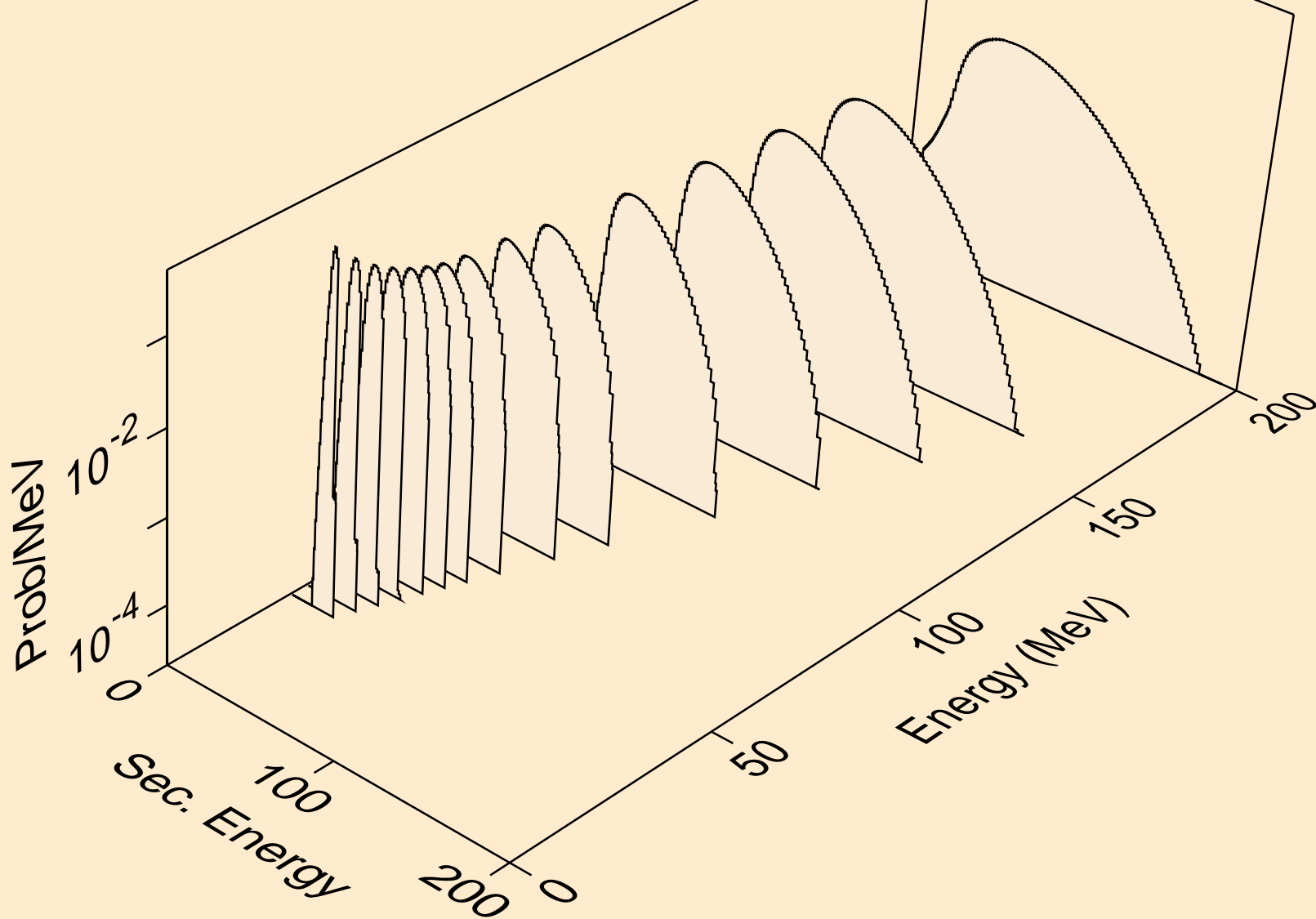
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tritons from (n,n\*)t2a



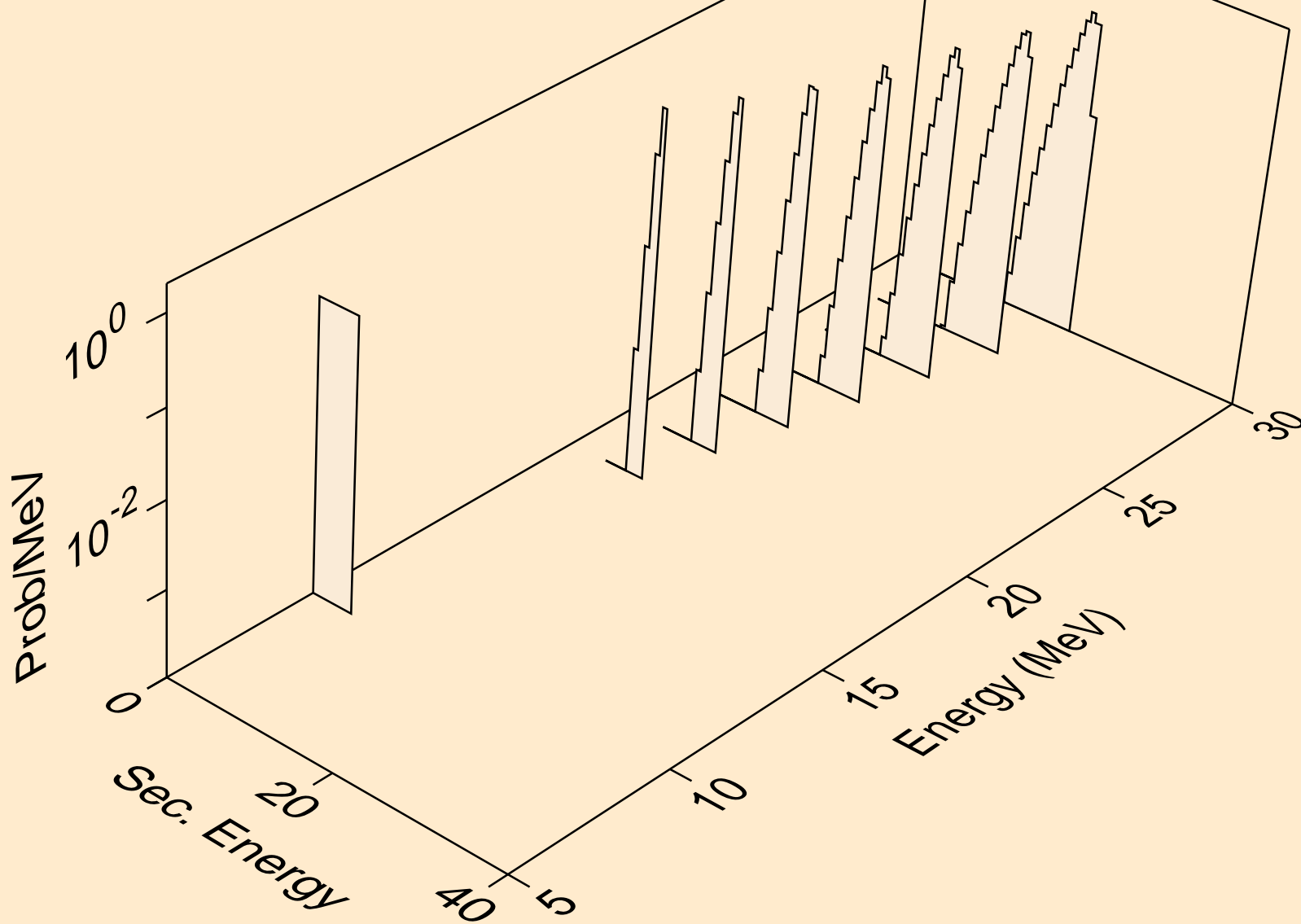
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)



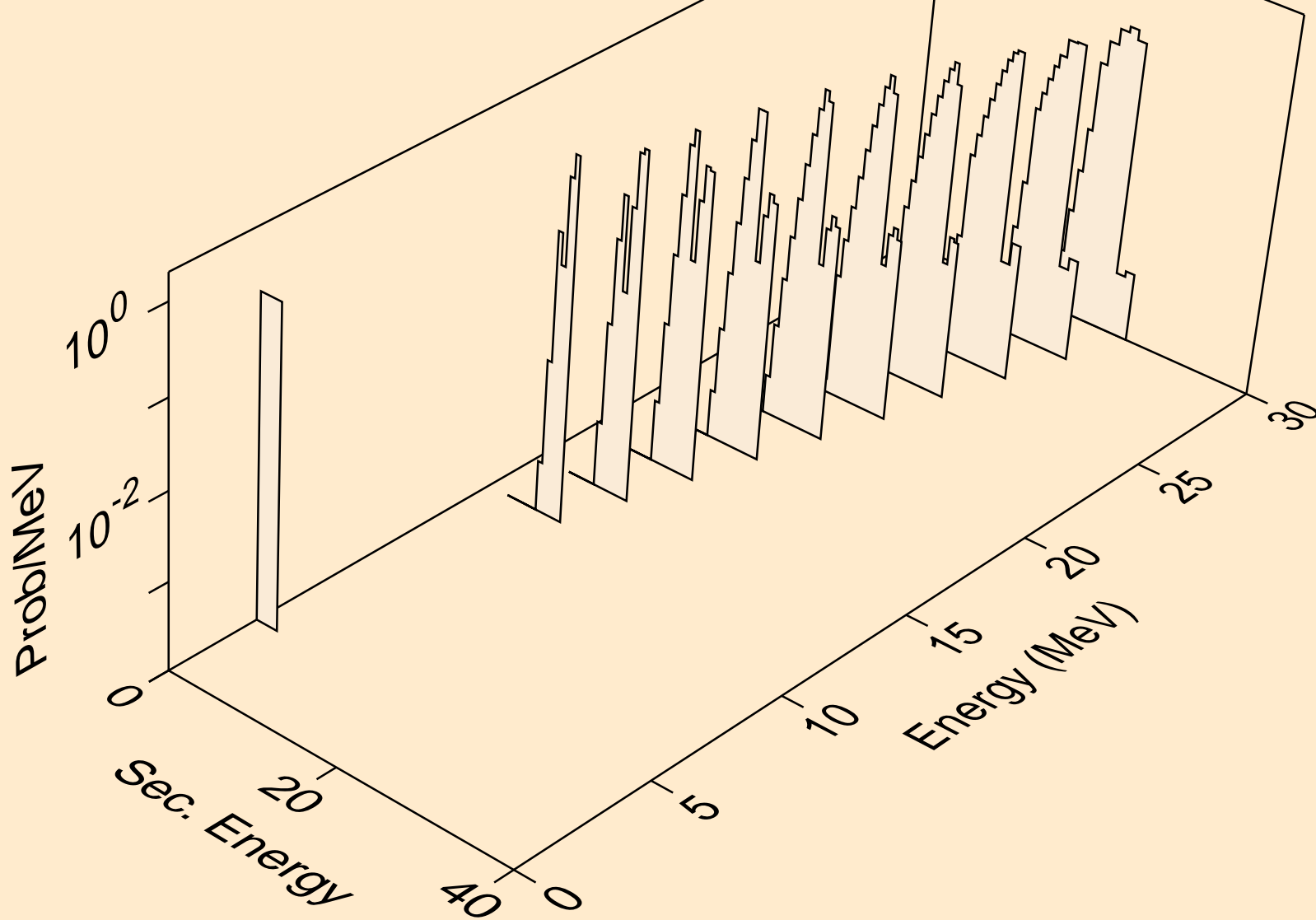
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he3s from (n,x)



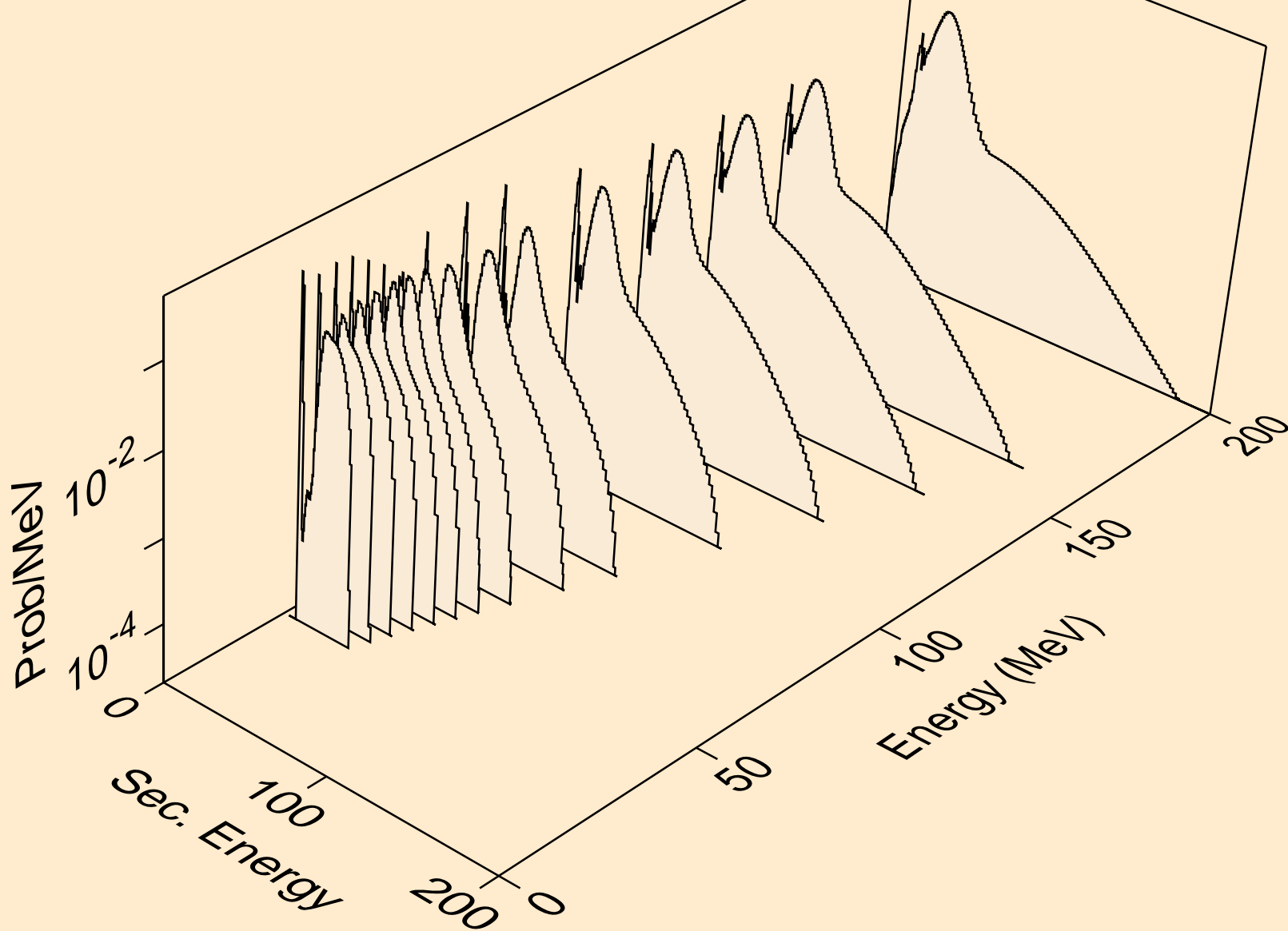
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he3s from (n,n\*)he3



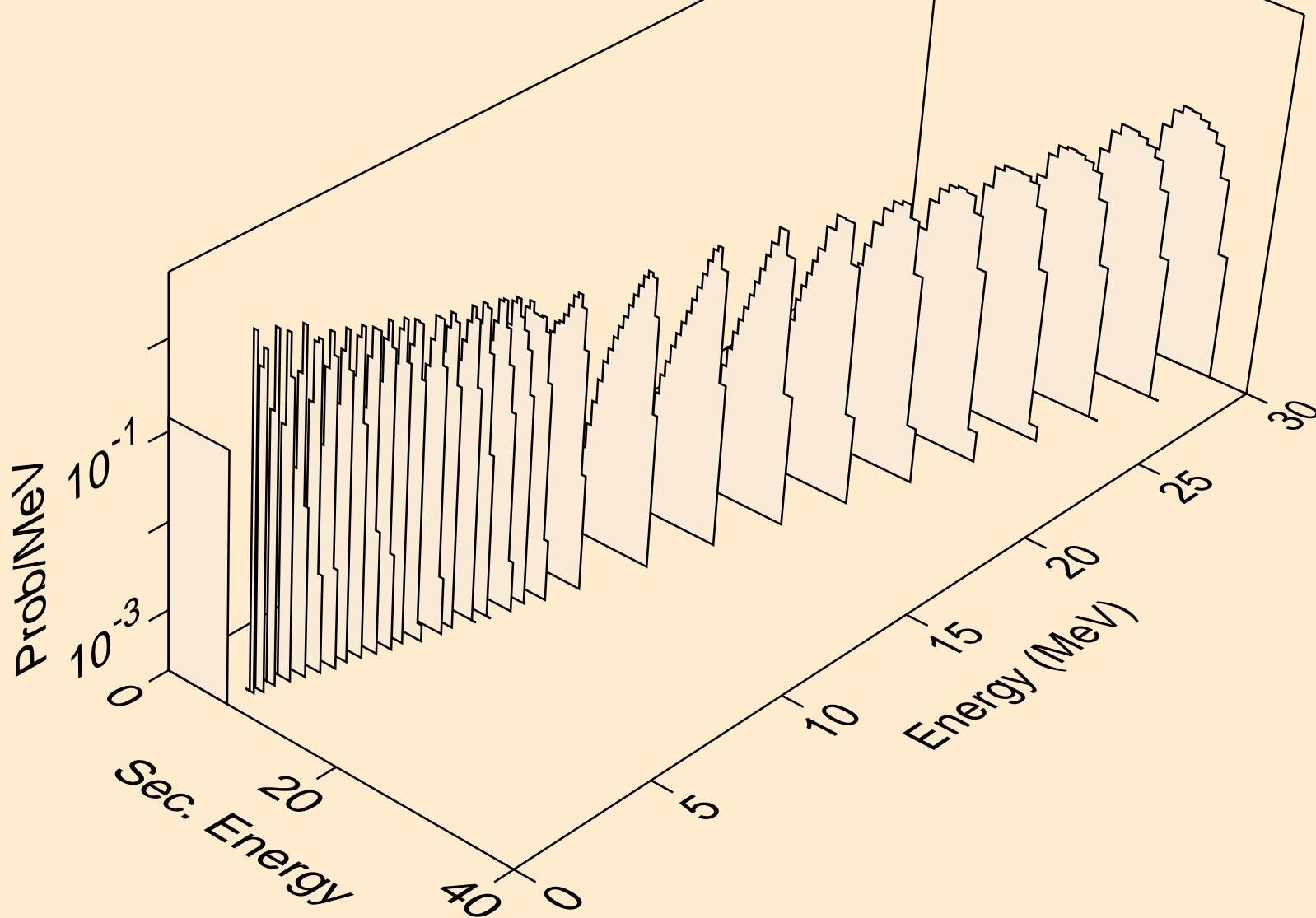
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)



RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)

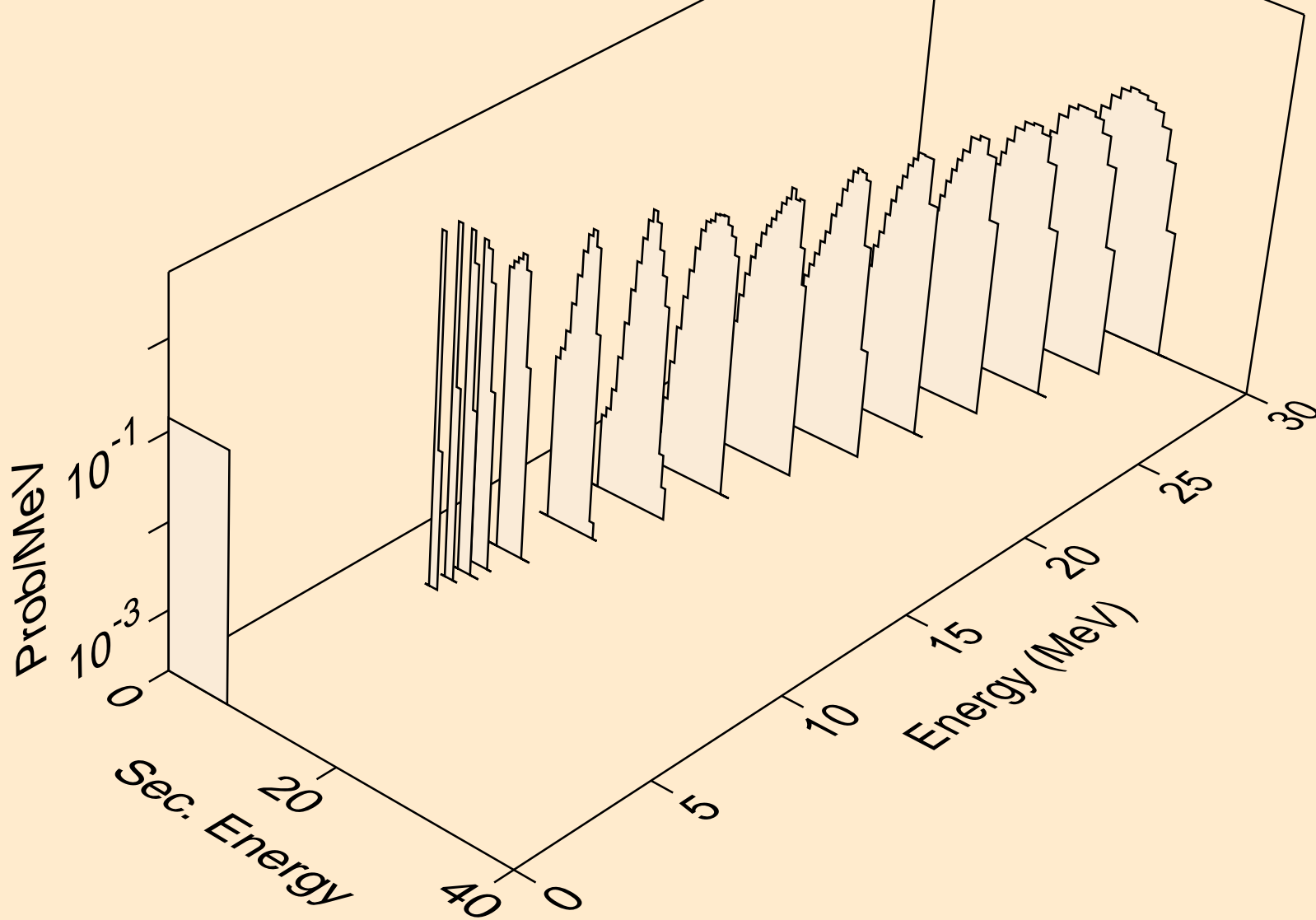


RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a

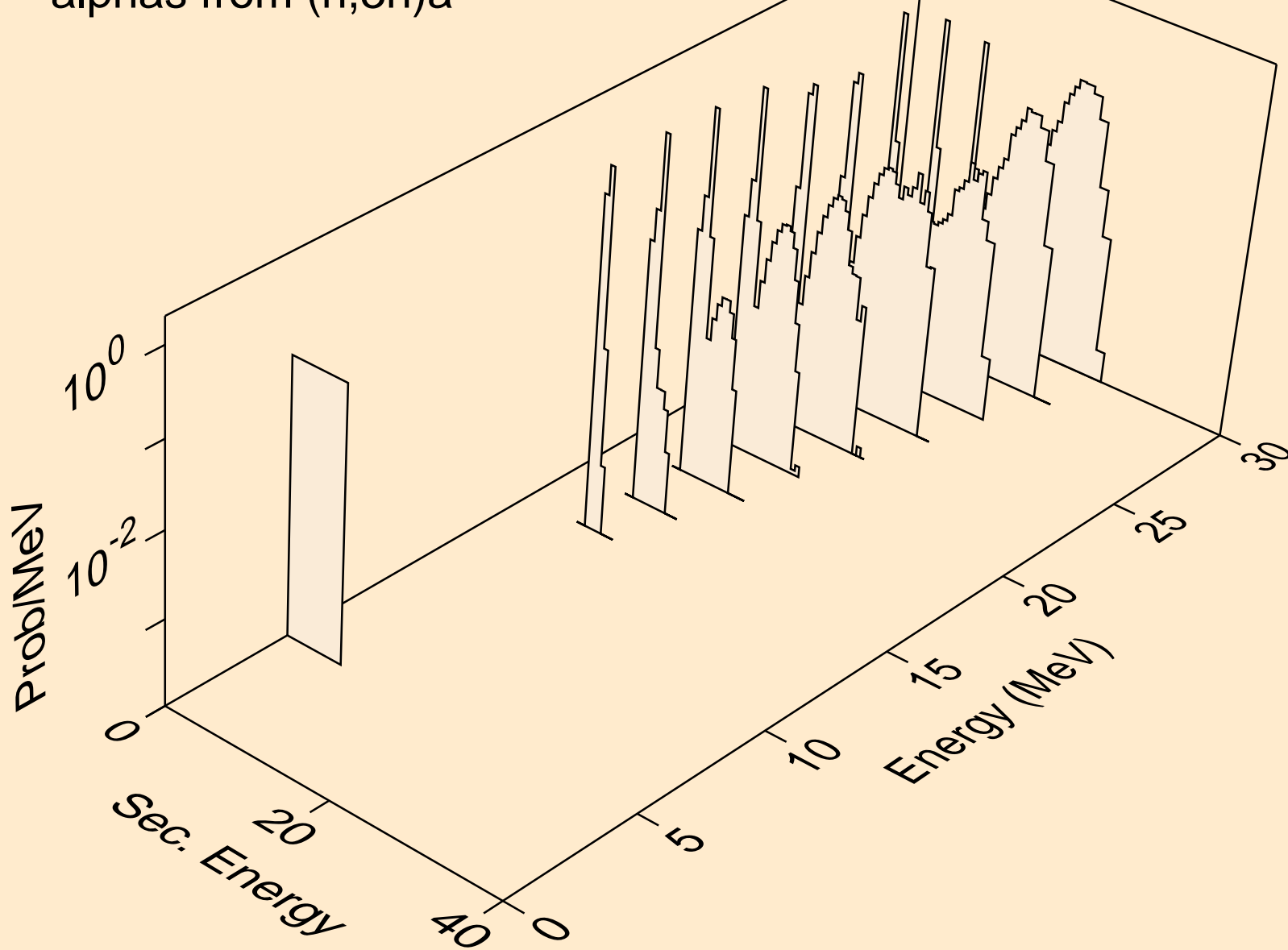




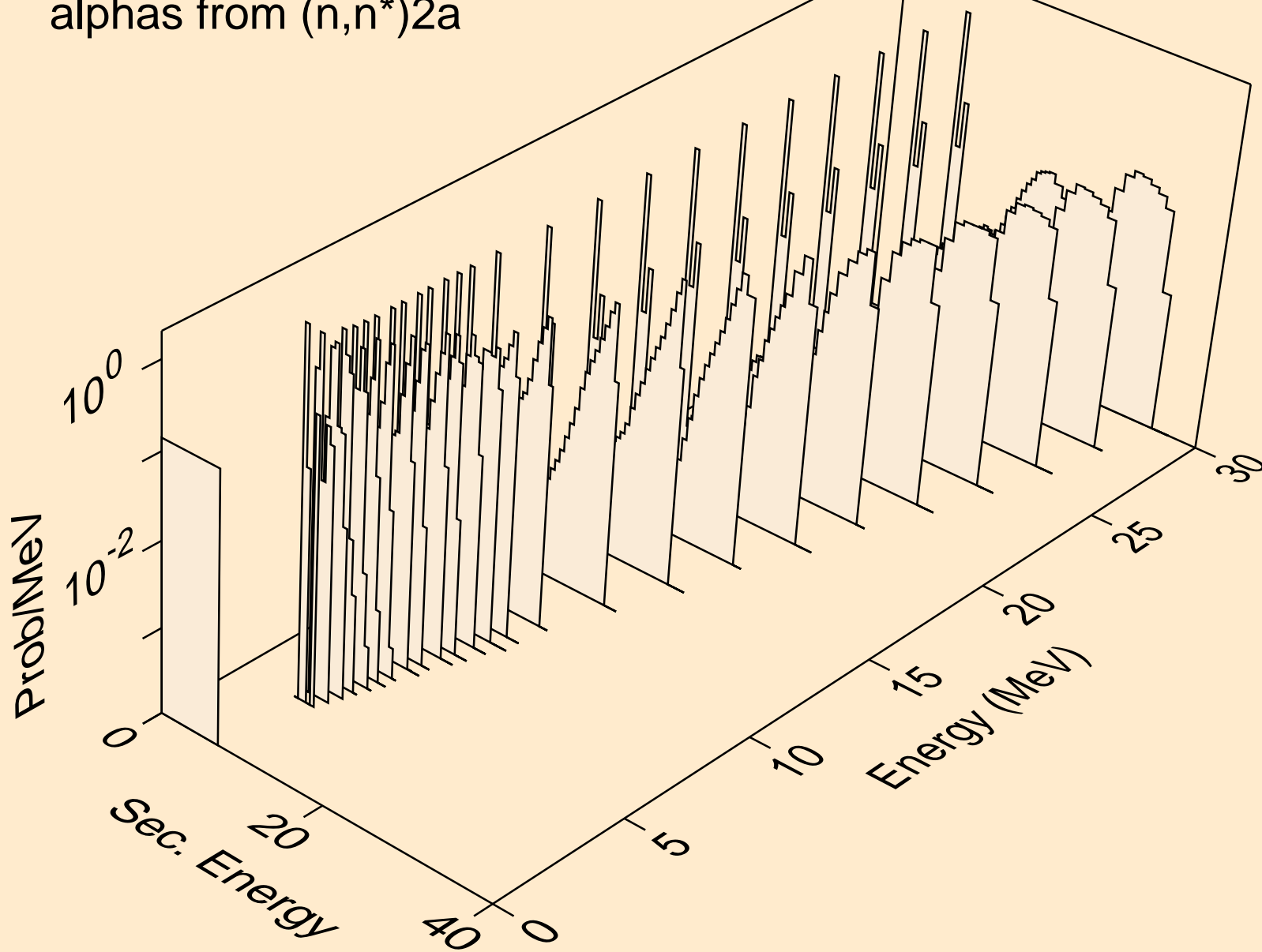
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



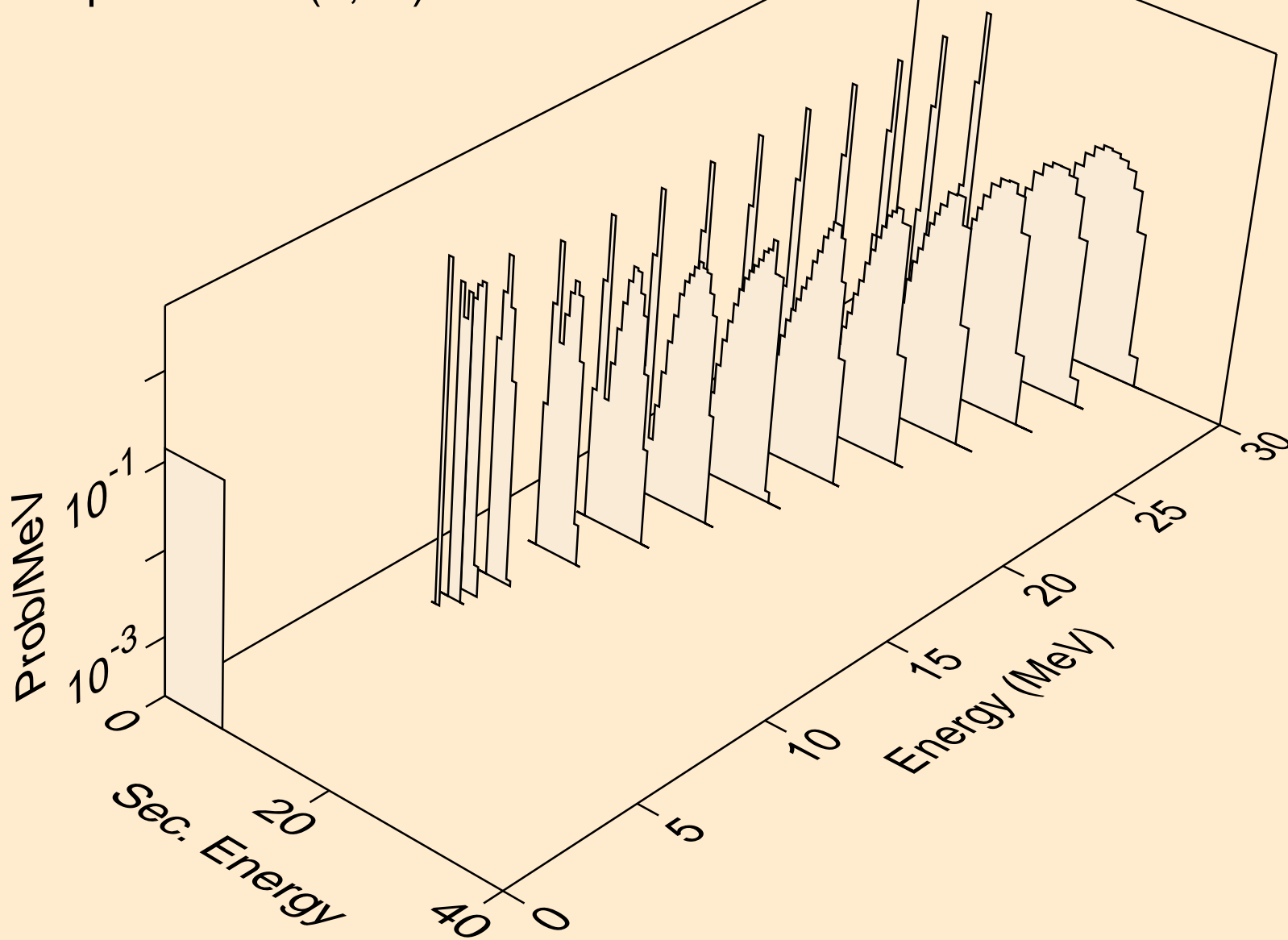
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alphas from (n,3n)a



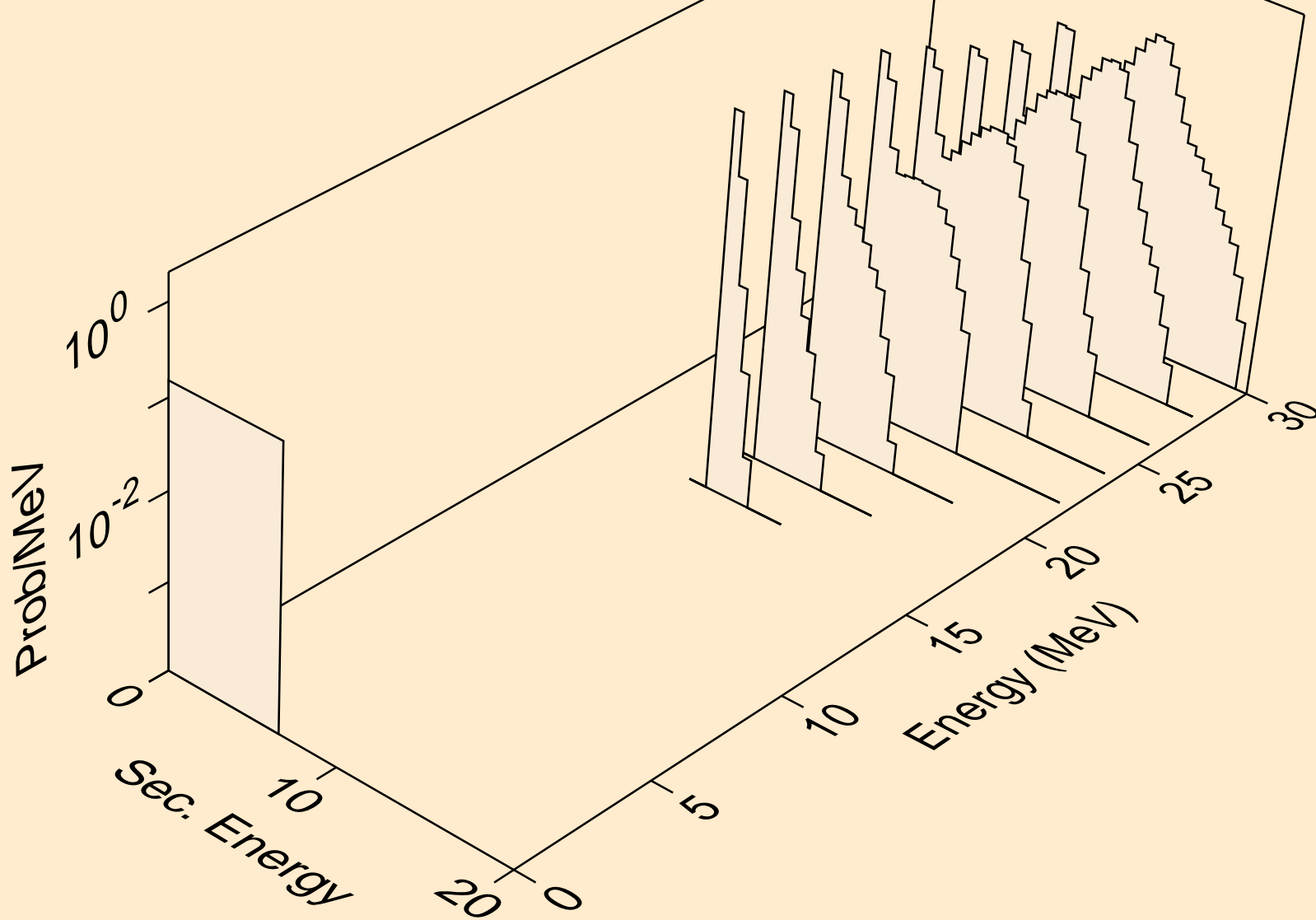
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a



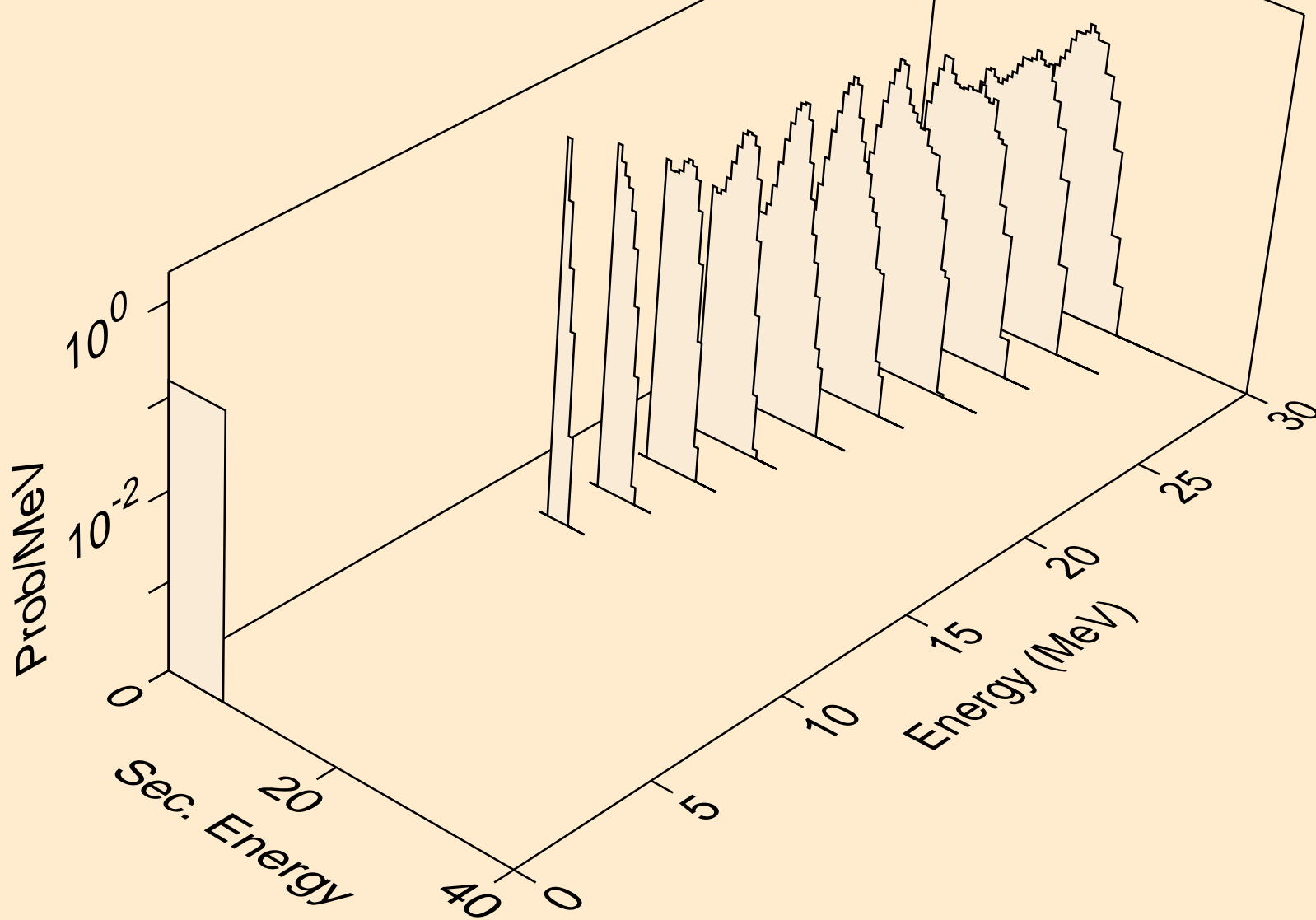
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)2a



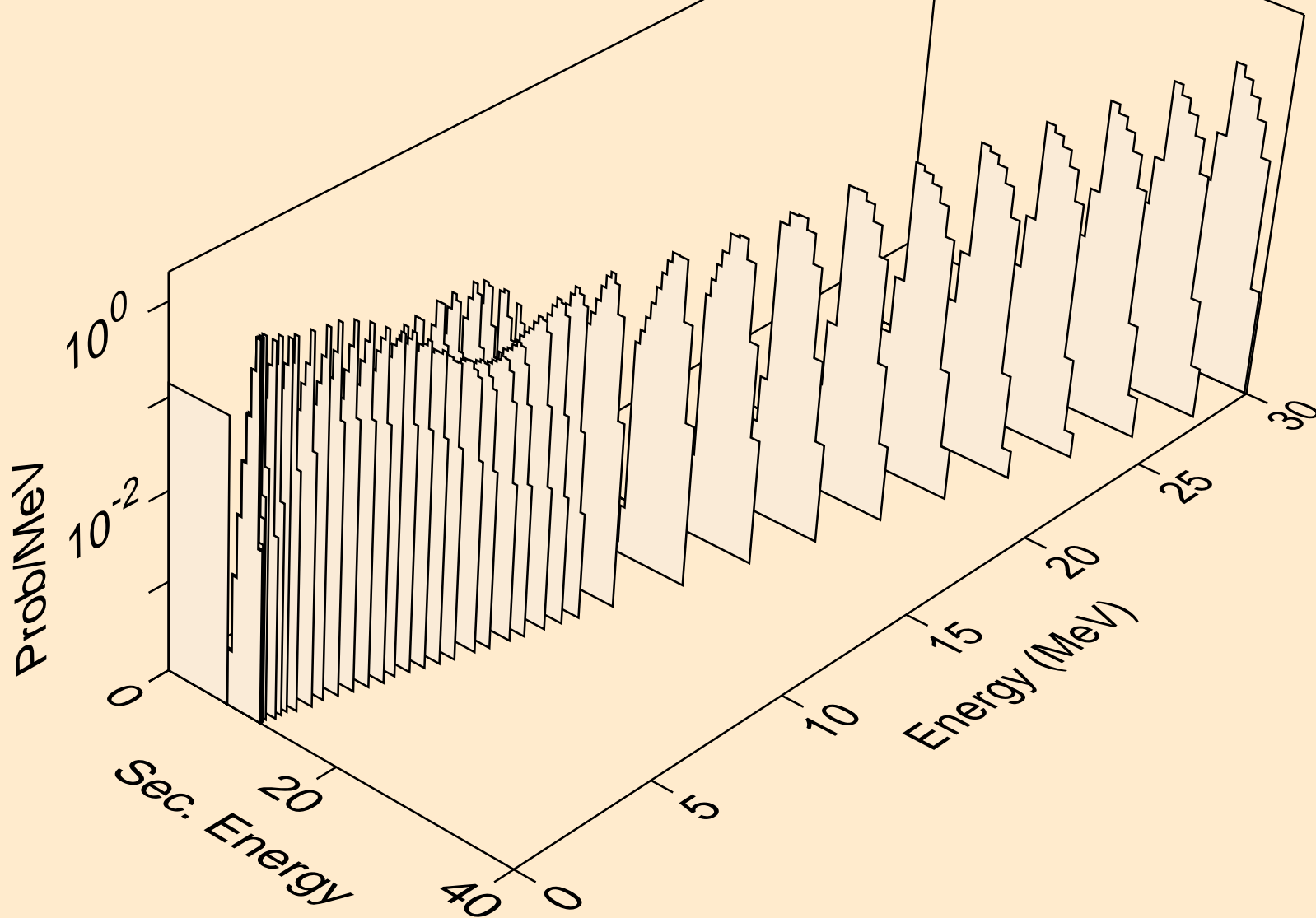
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)t2a



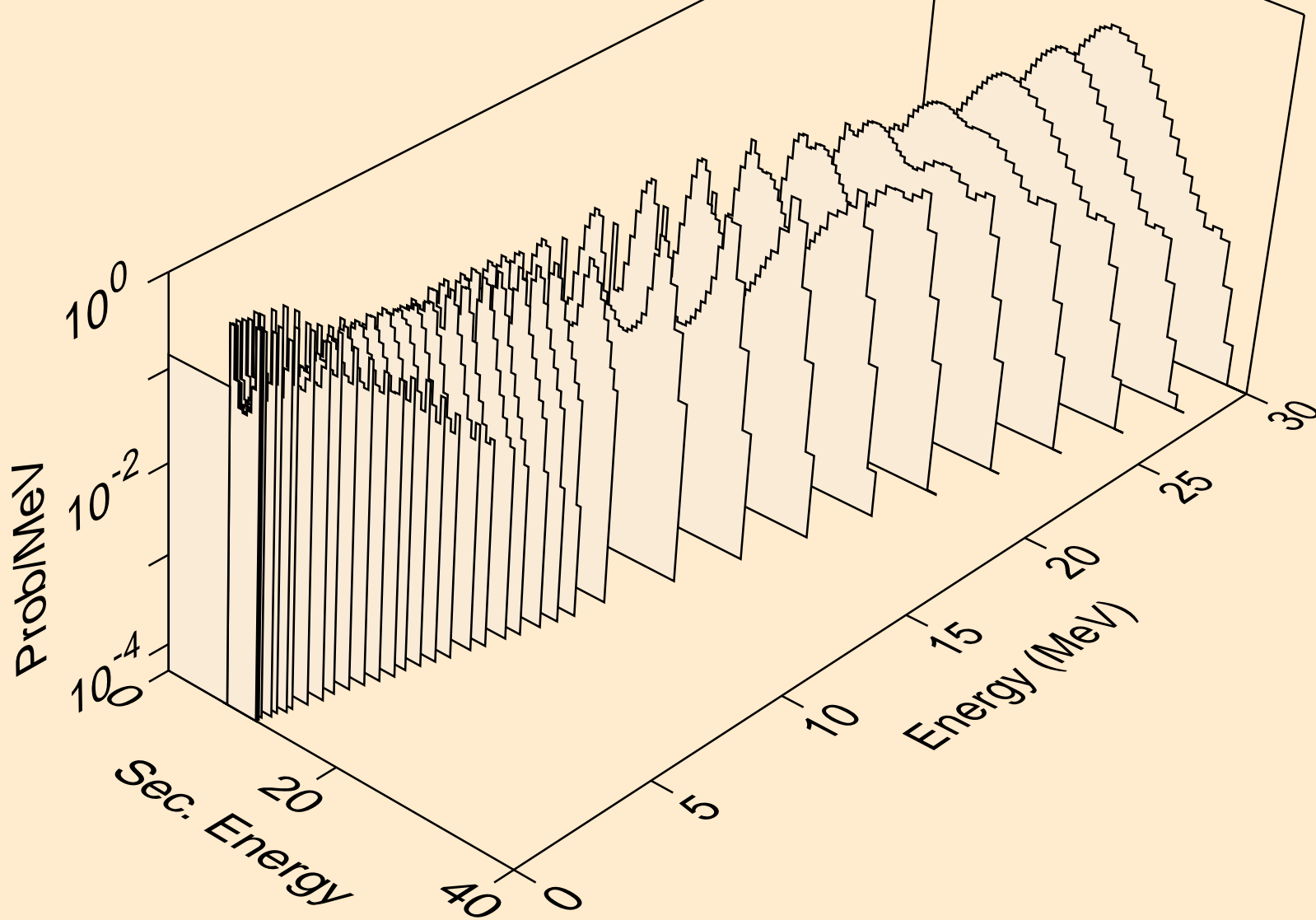
RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)



RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)

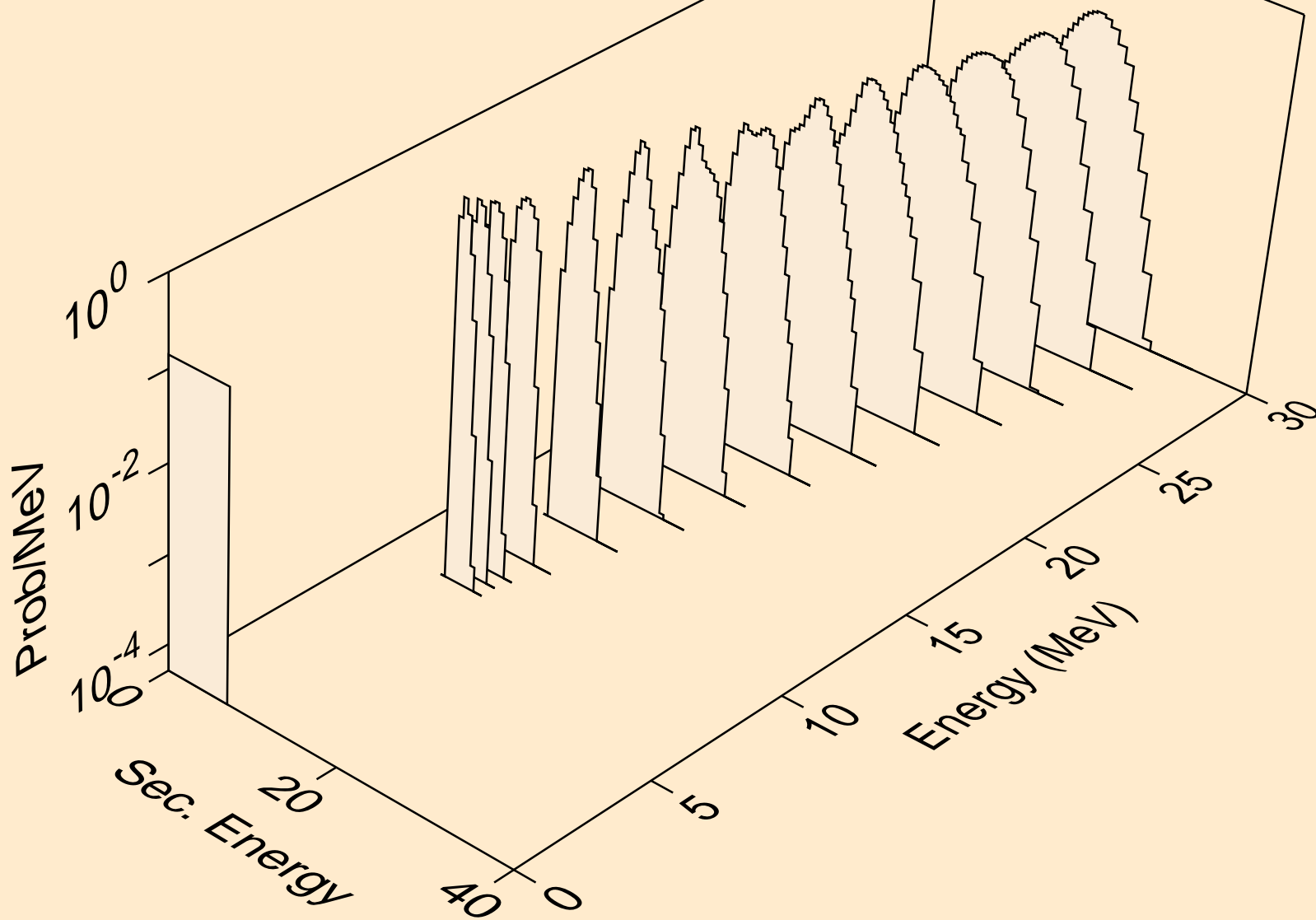


RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)





RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



RA222 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

