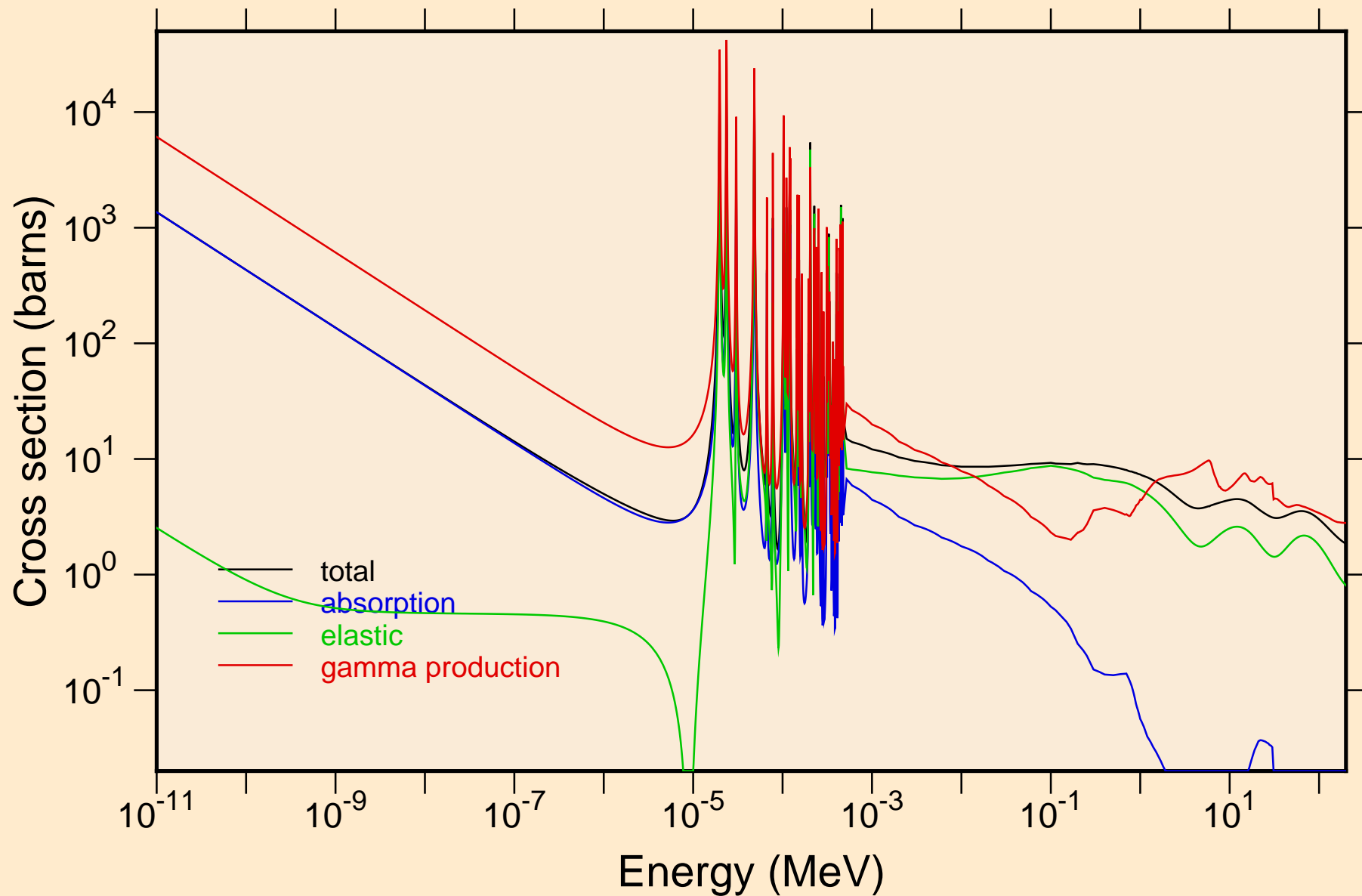
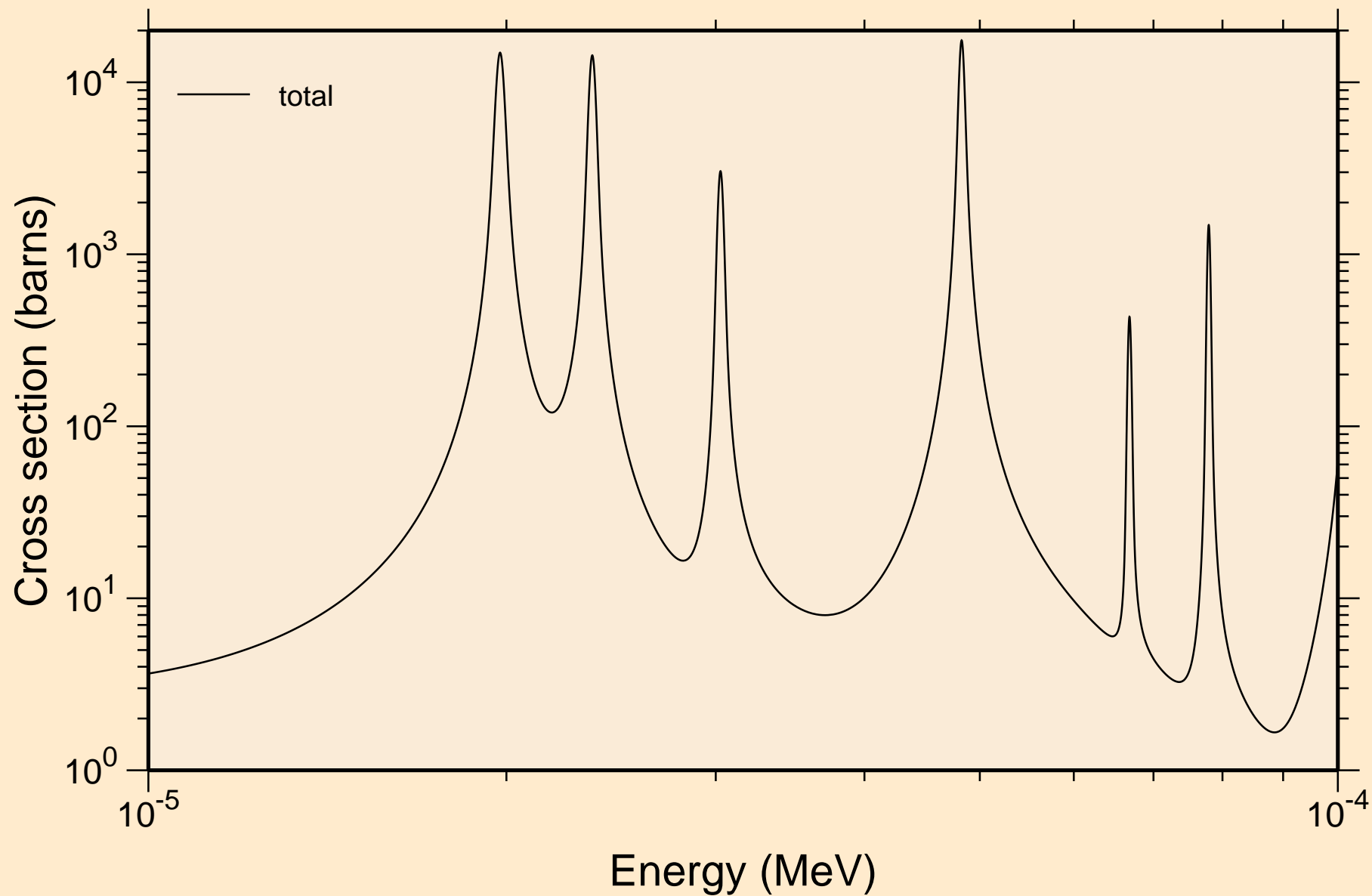


# RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

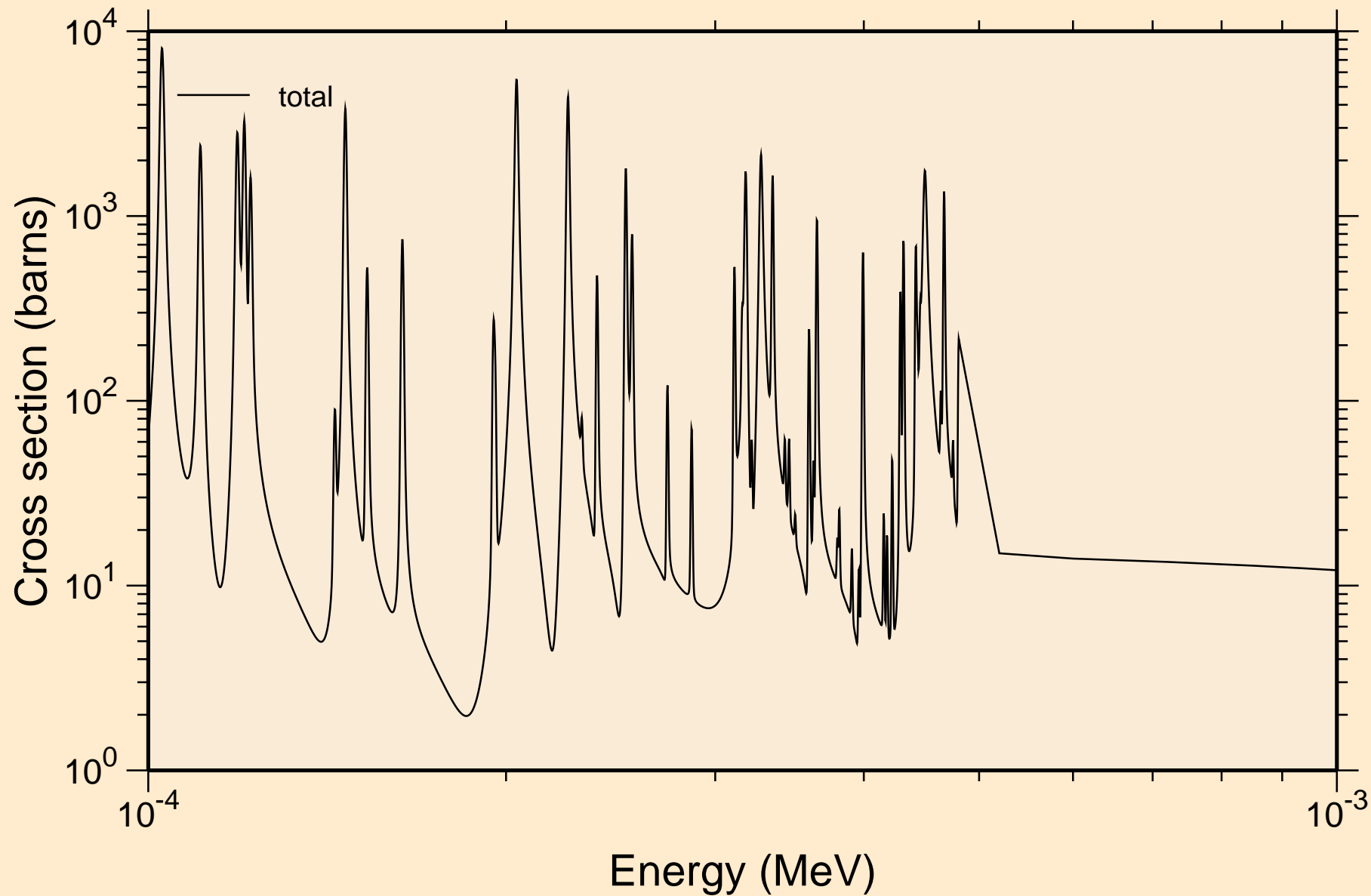
## Principal cross sections



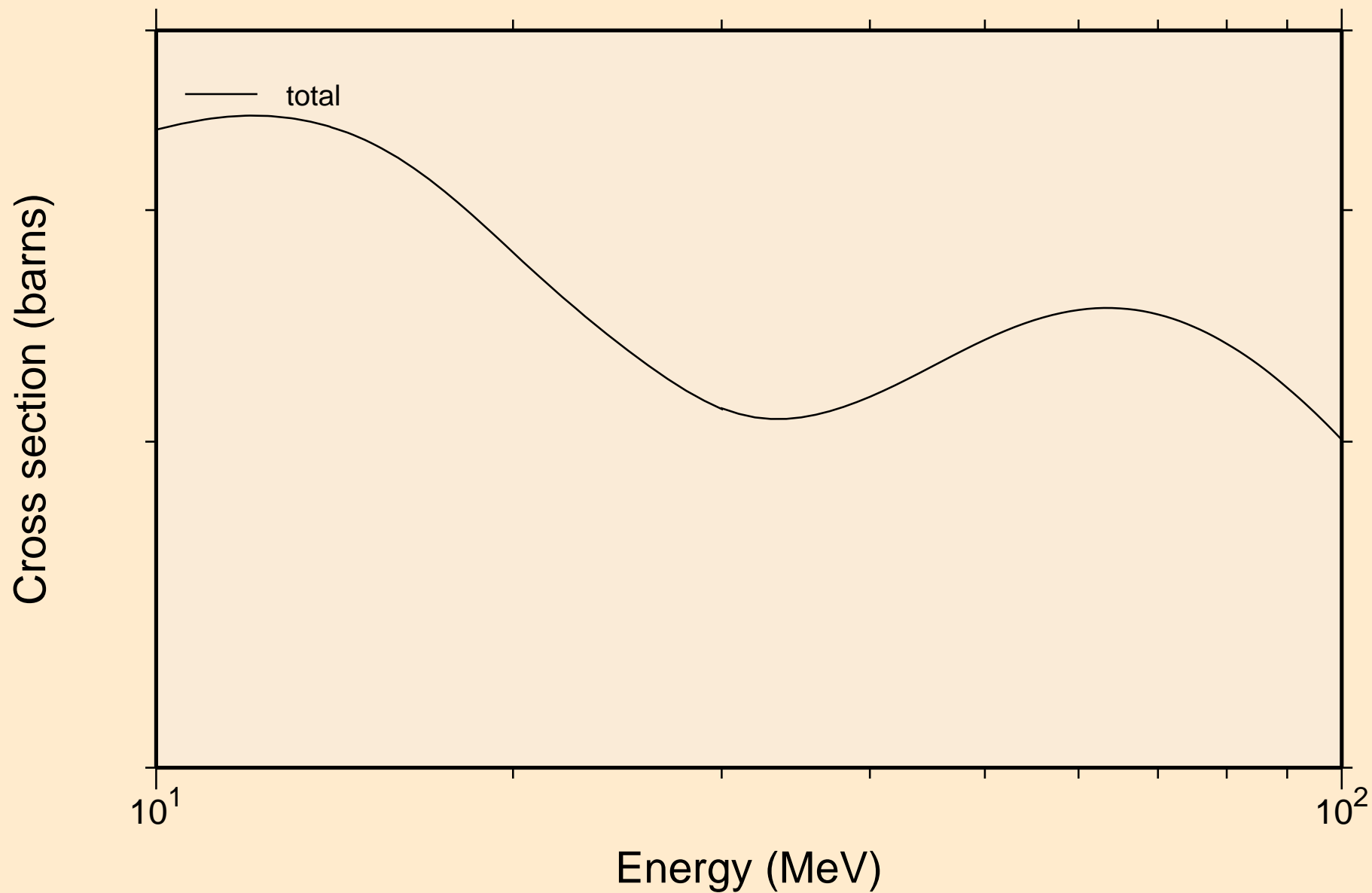
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



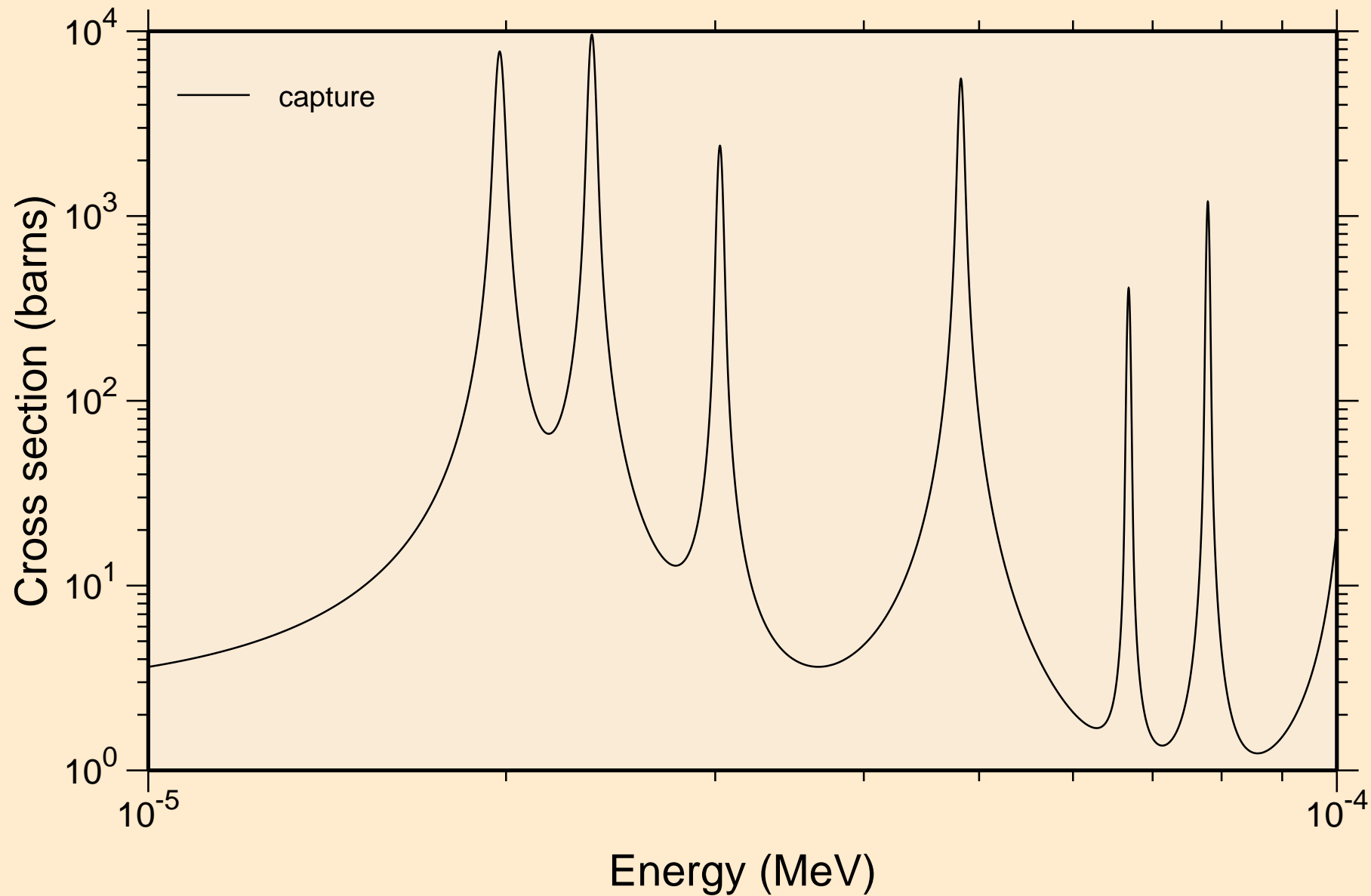
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



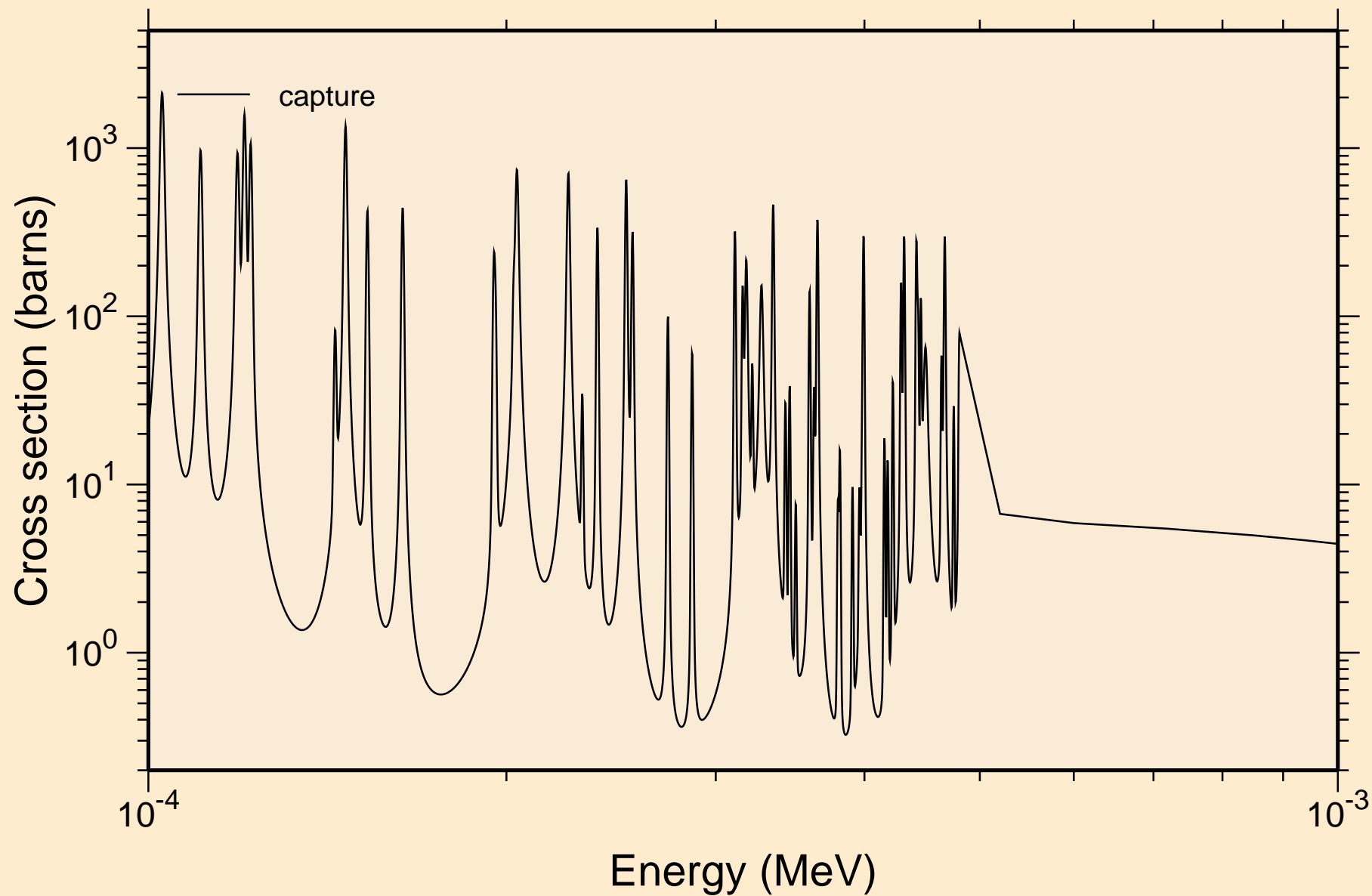
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



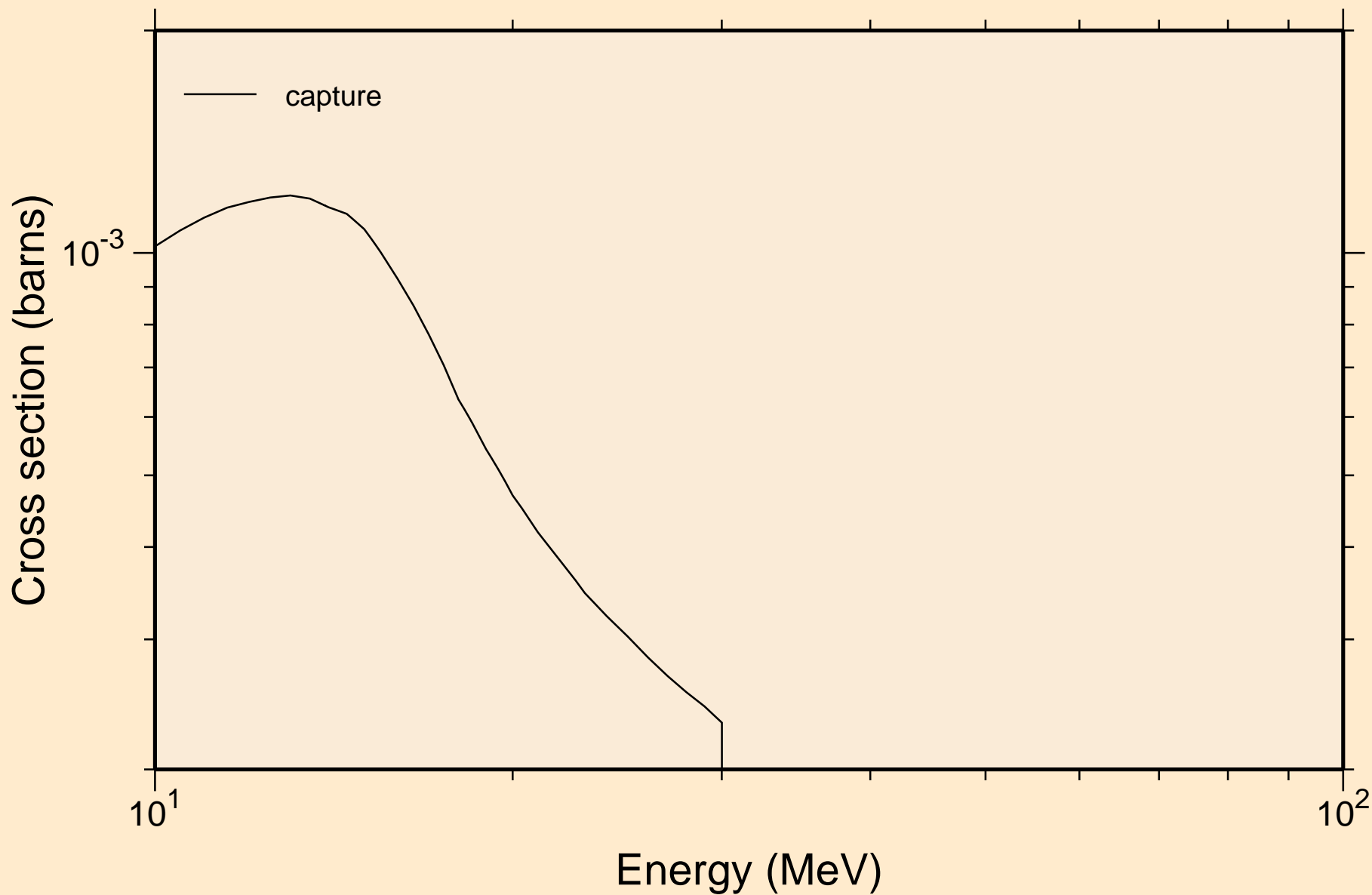
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



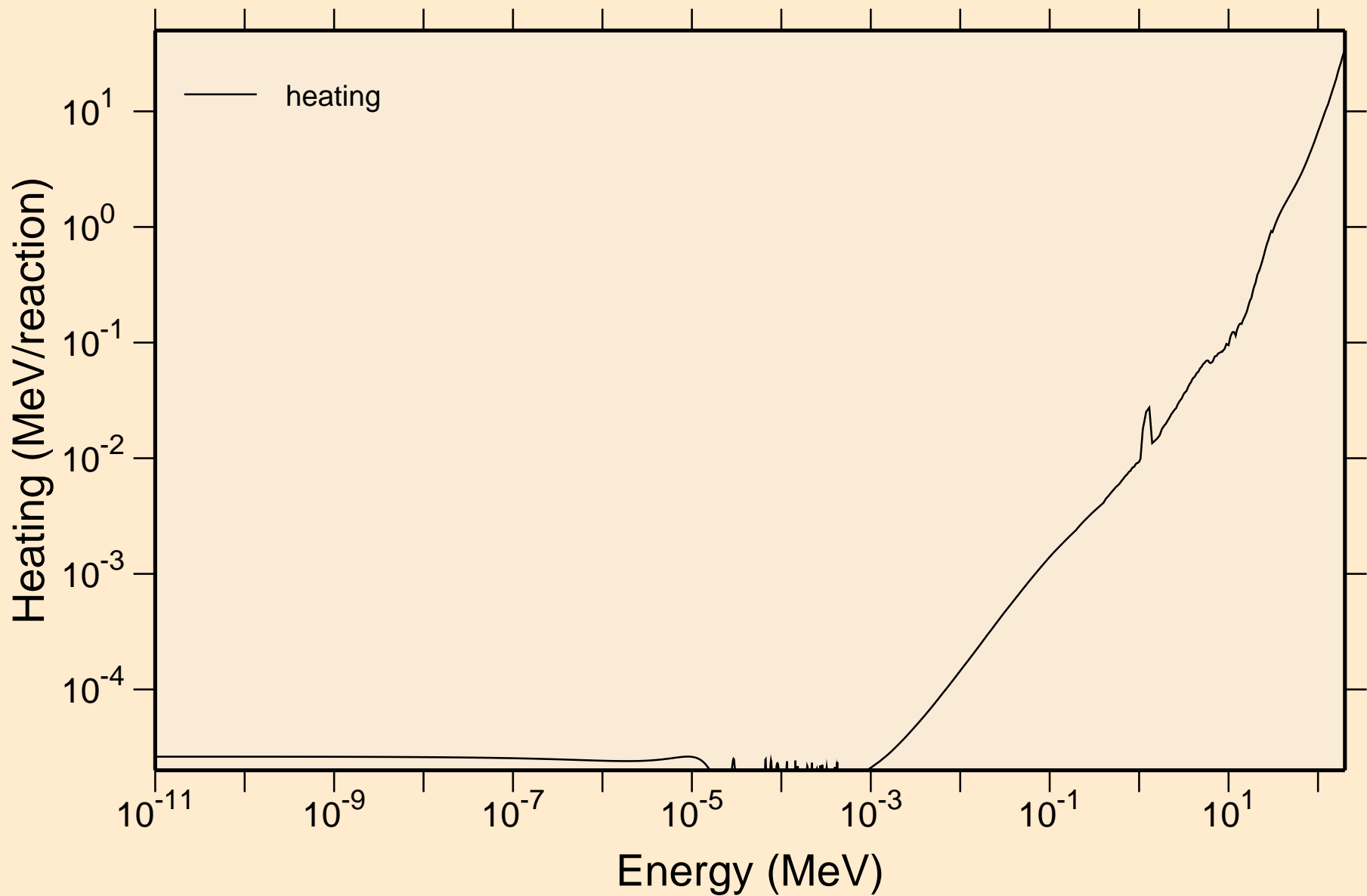
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

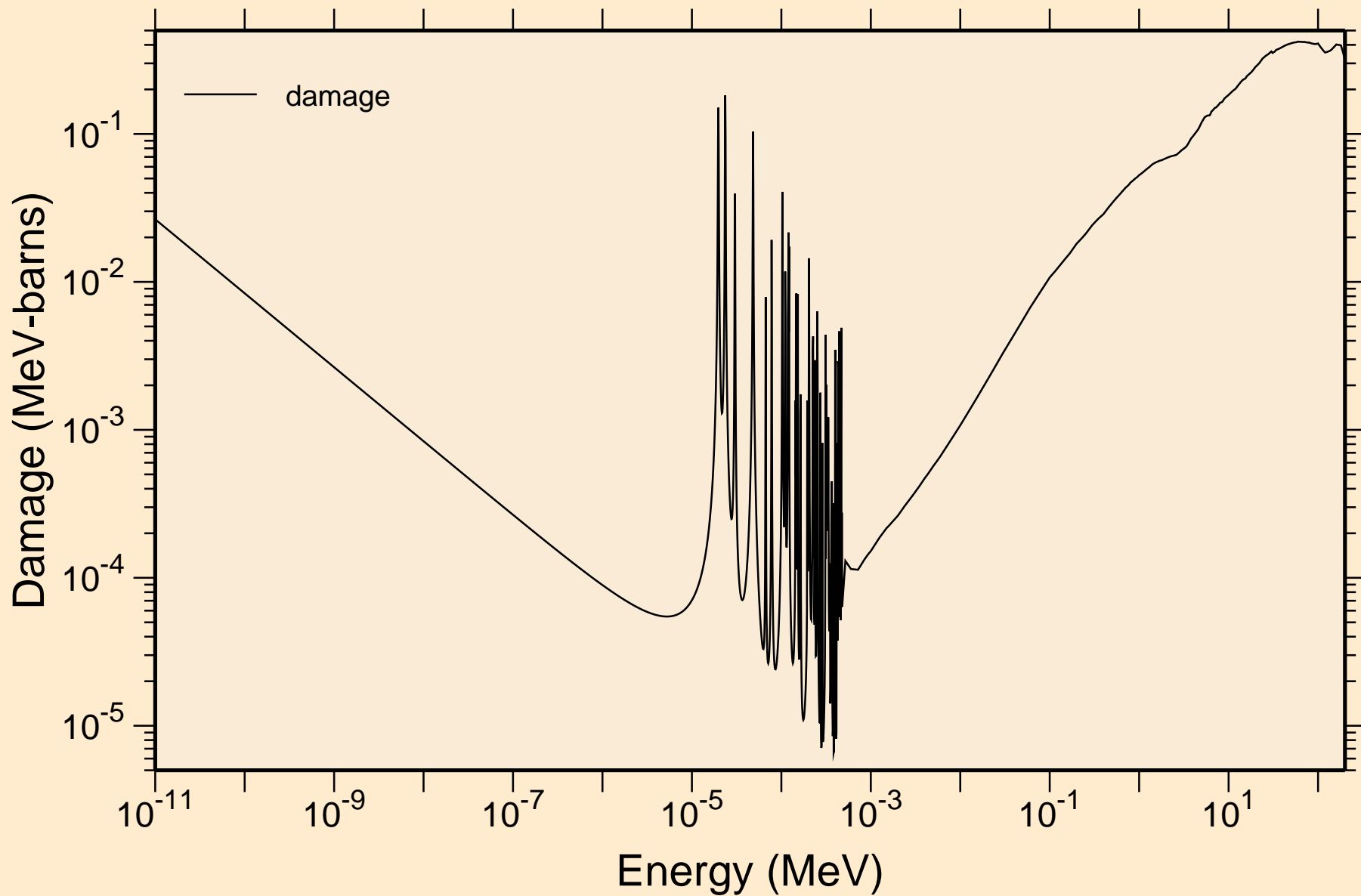


RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

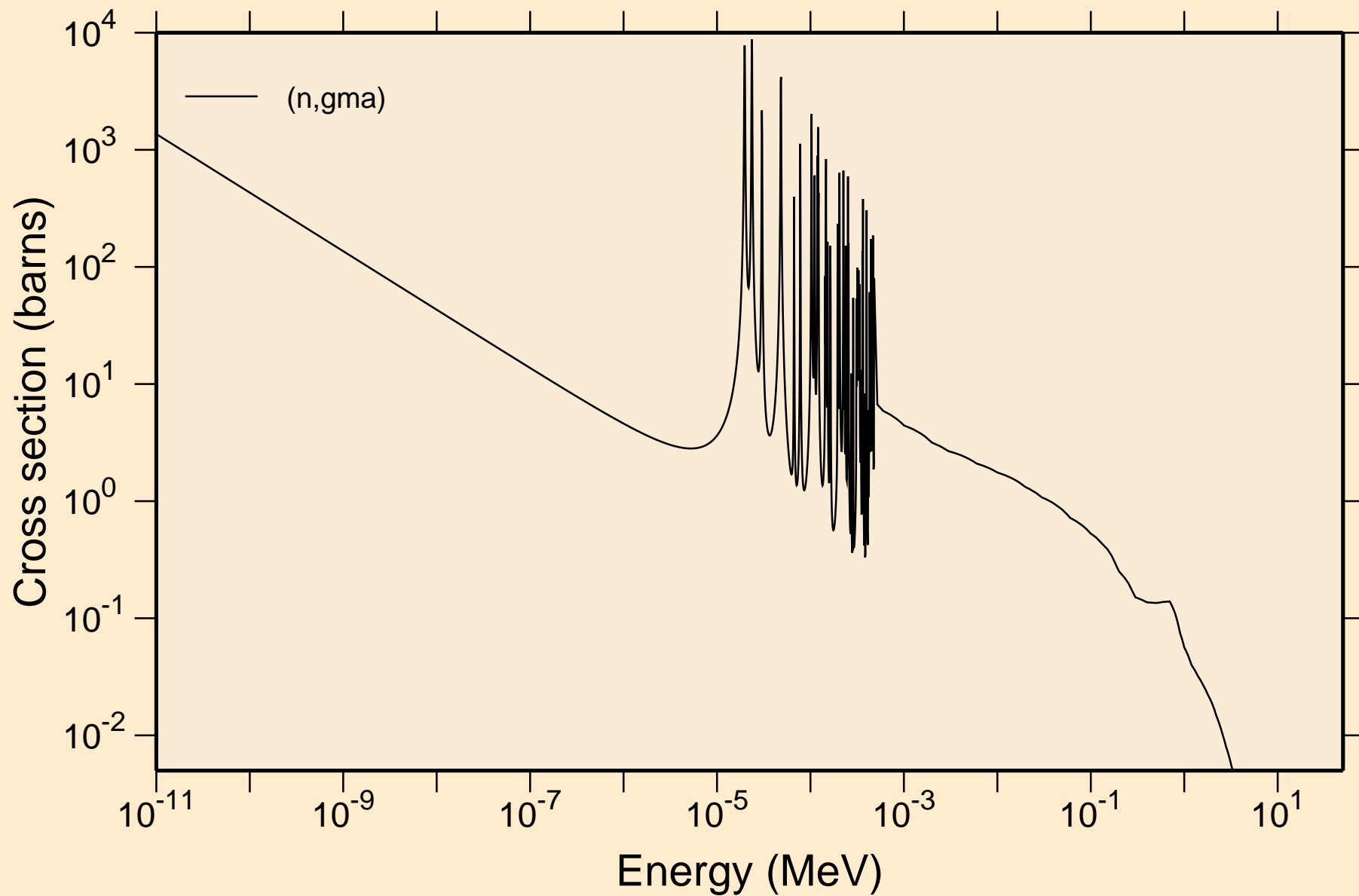




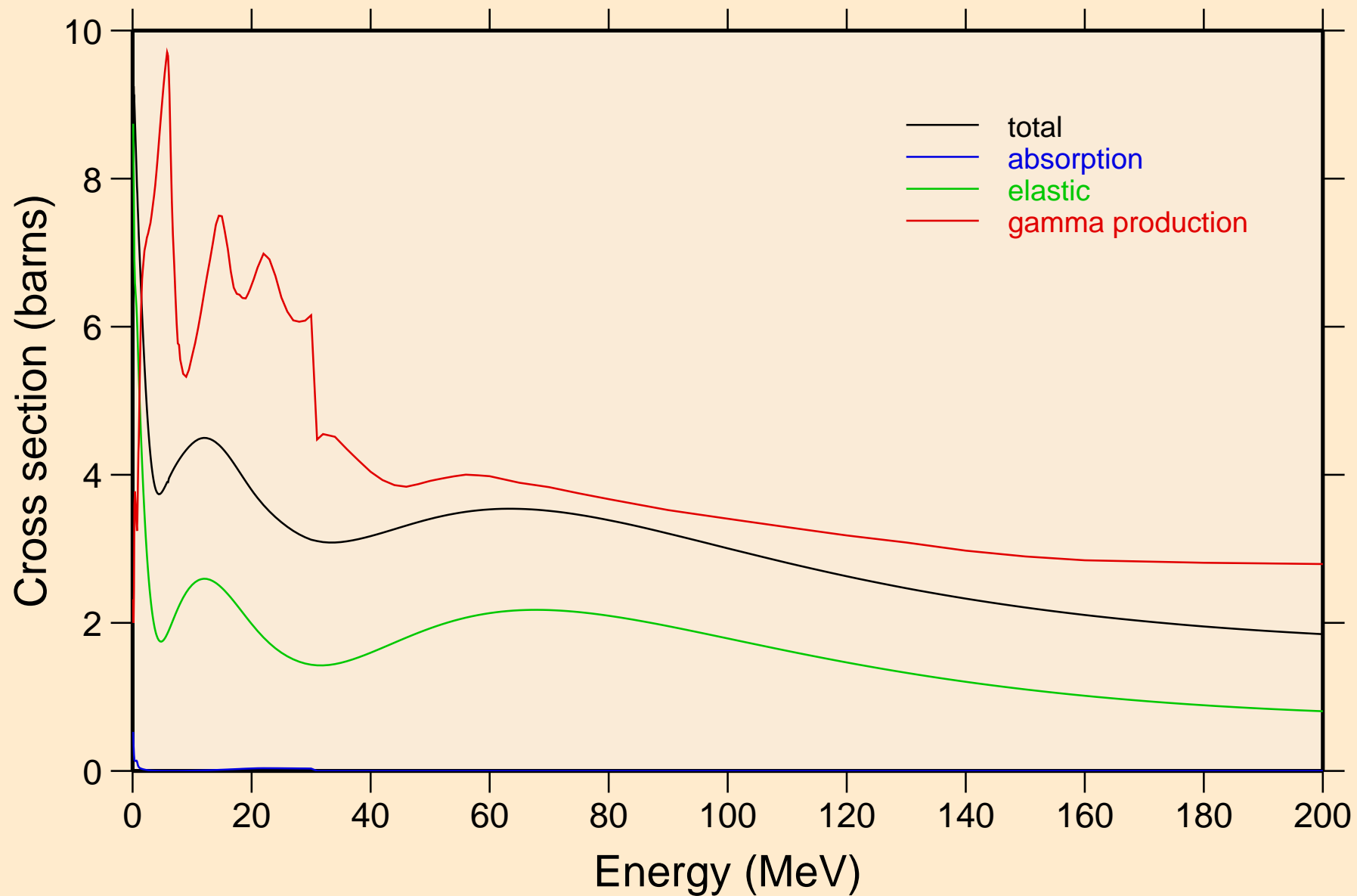
# RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage



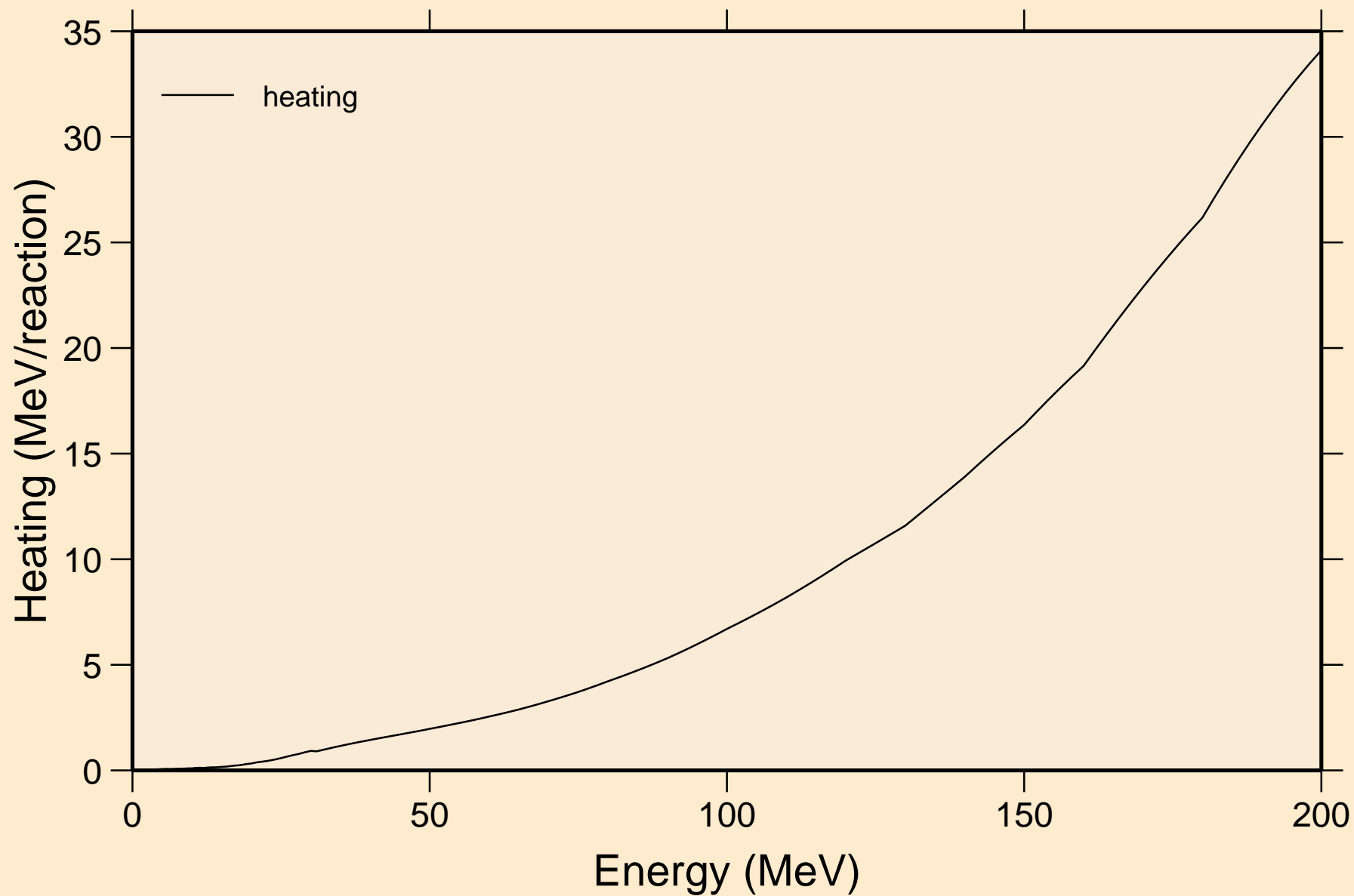
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



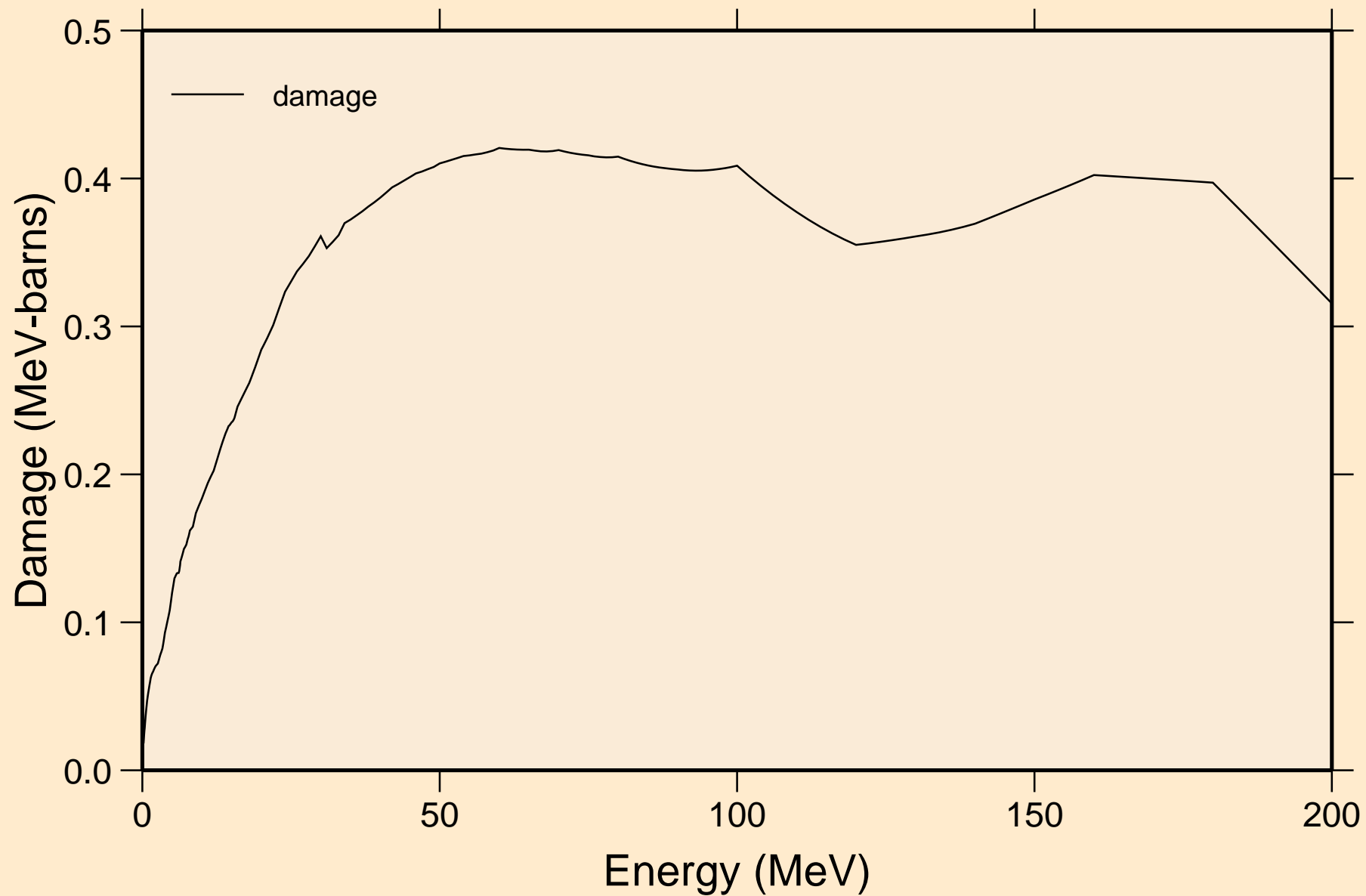
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



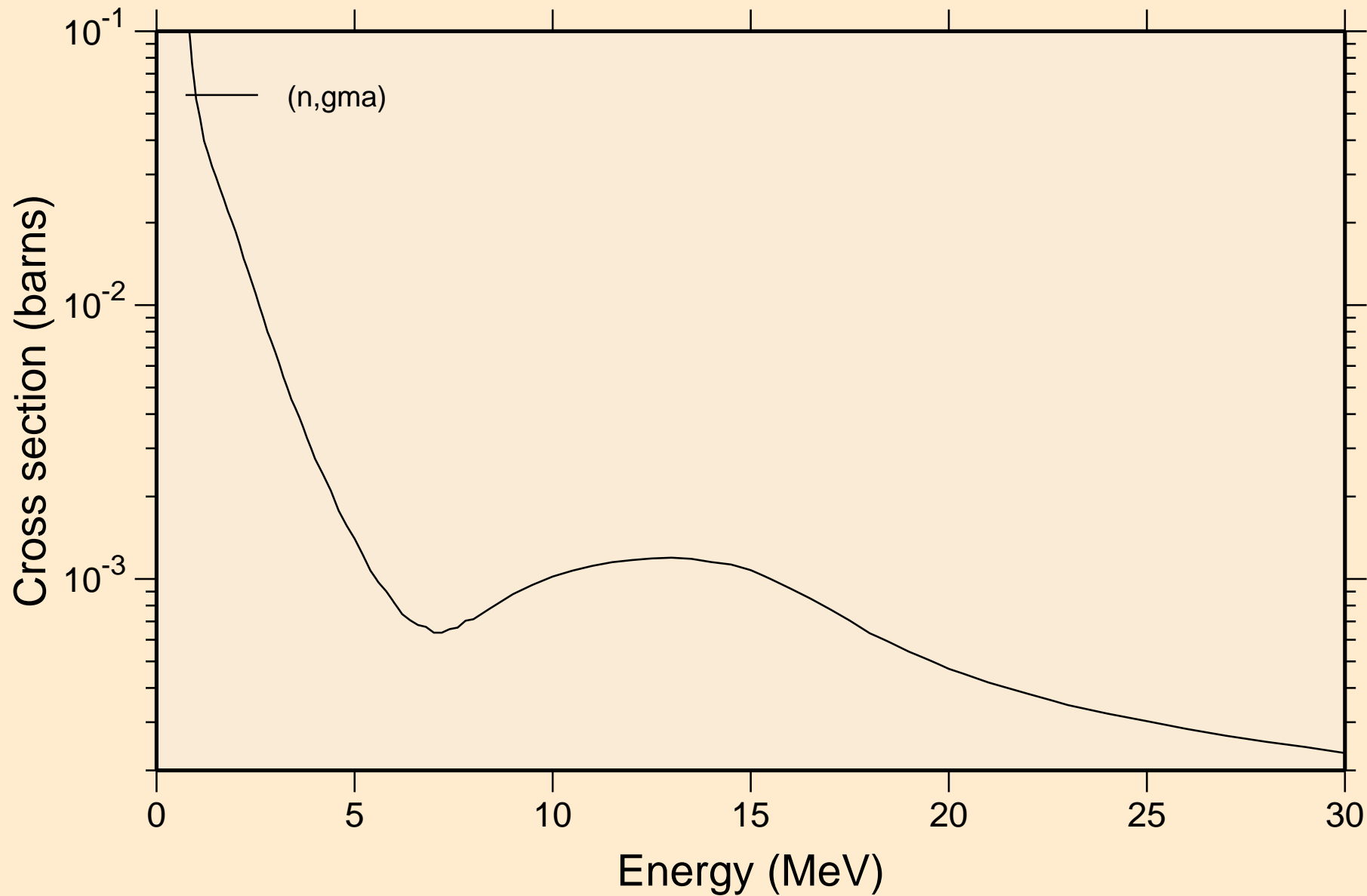
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



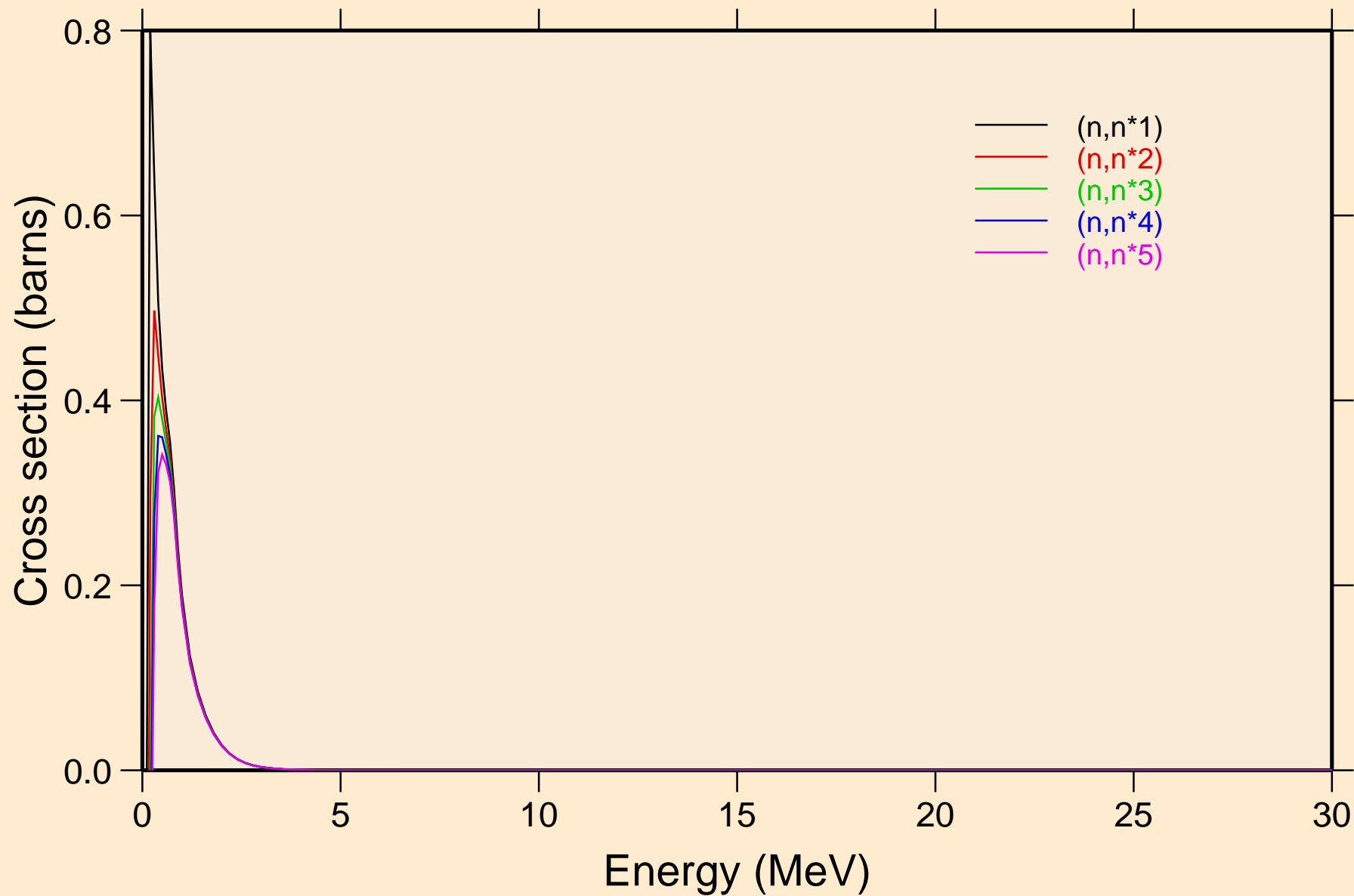
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



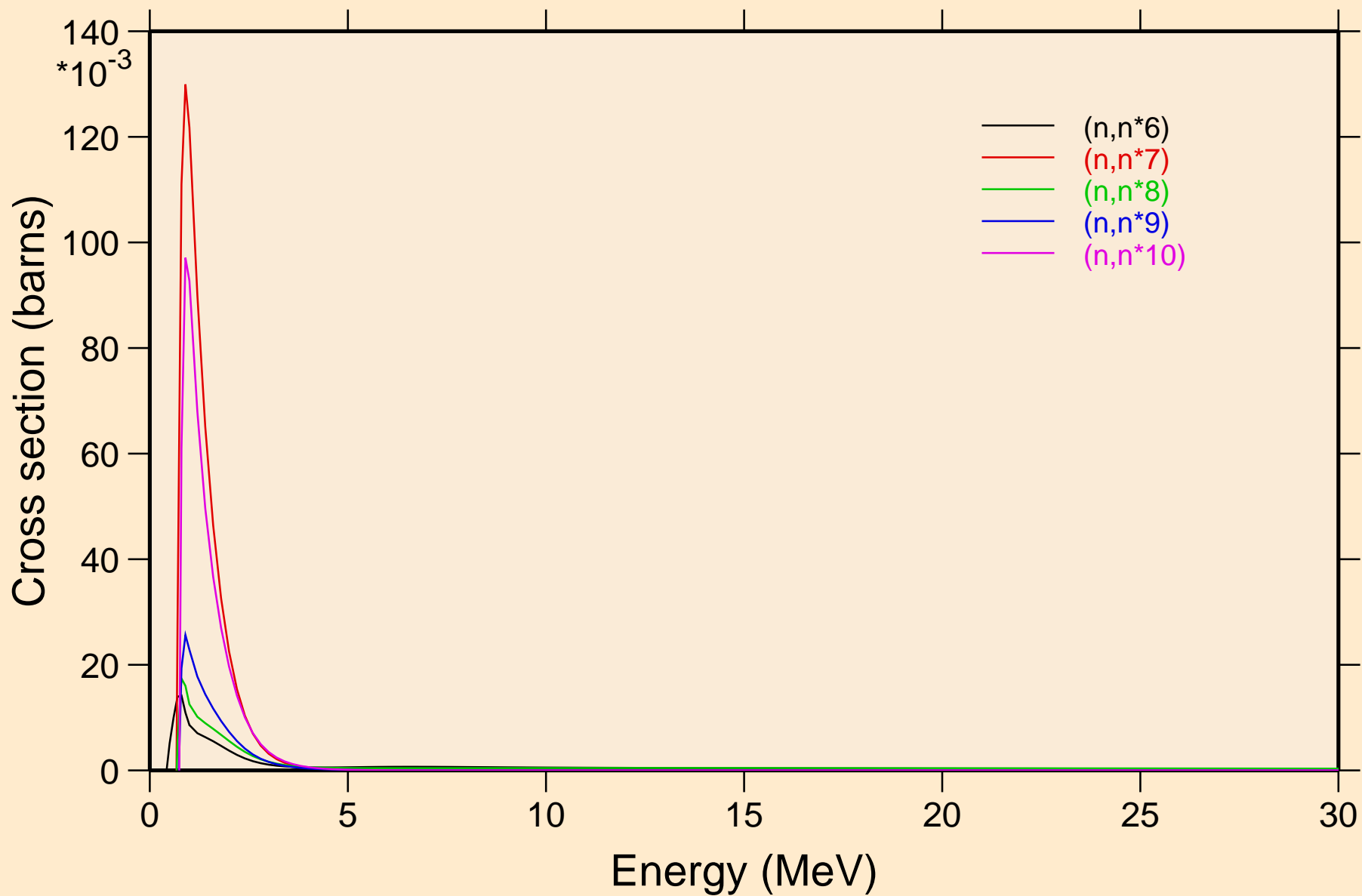
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

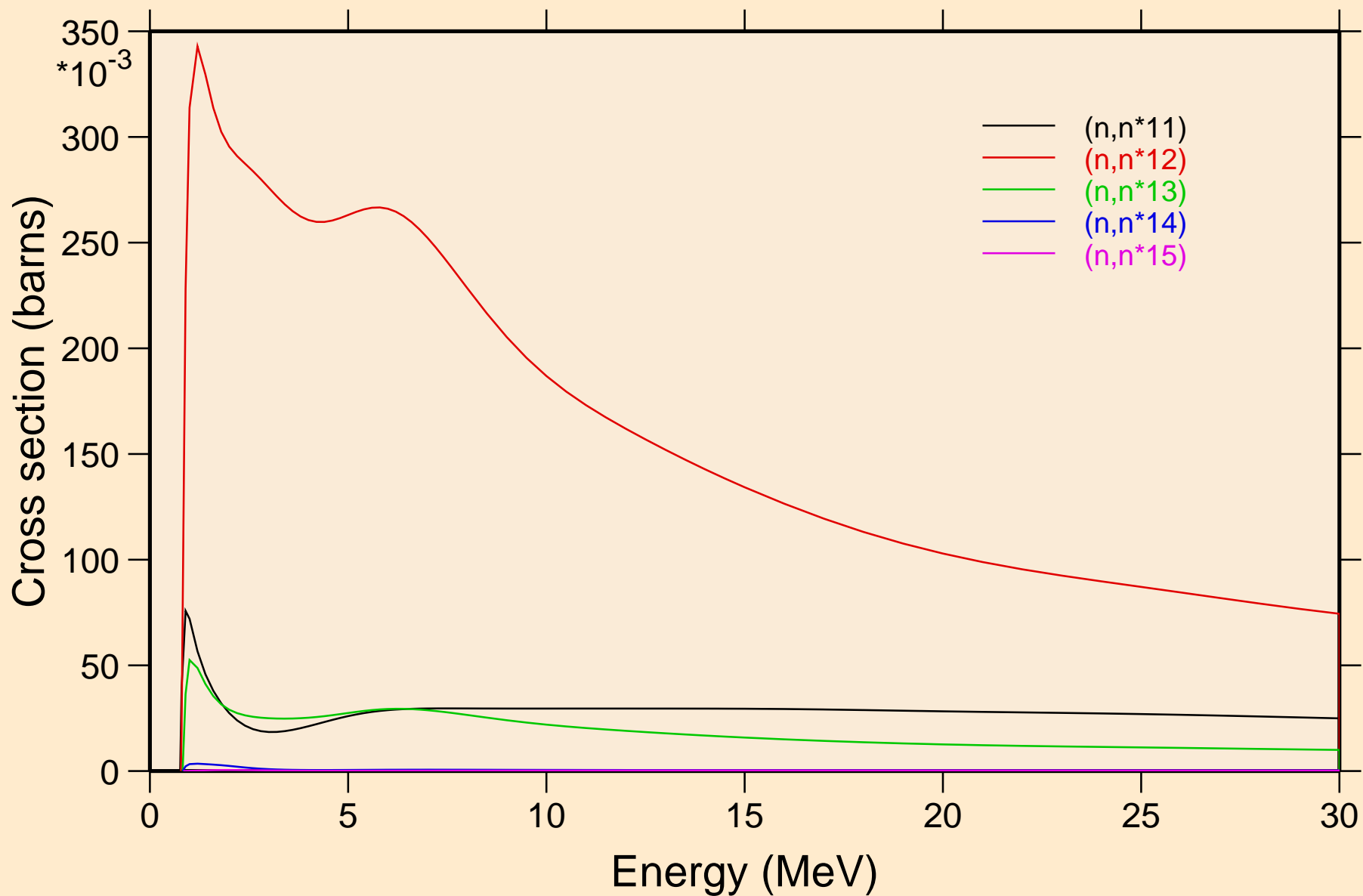


RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

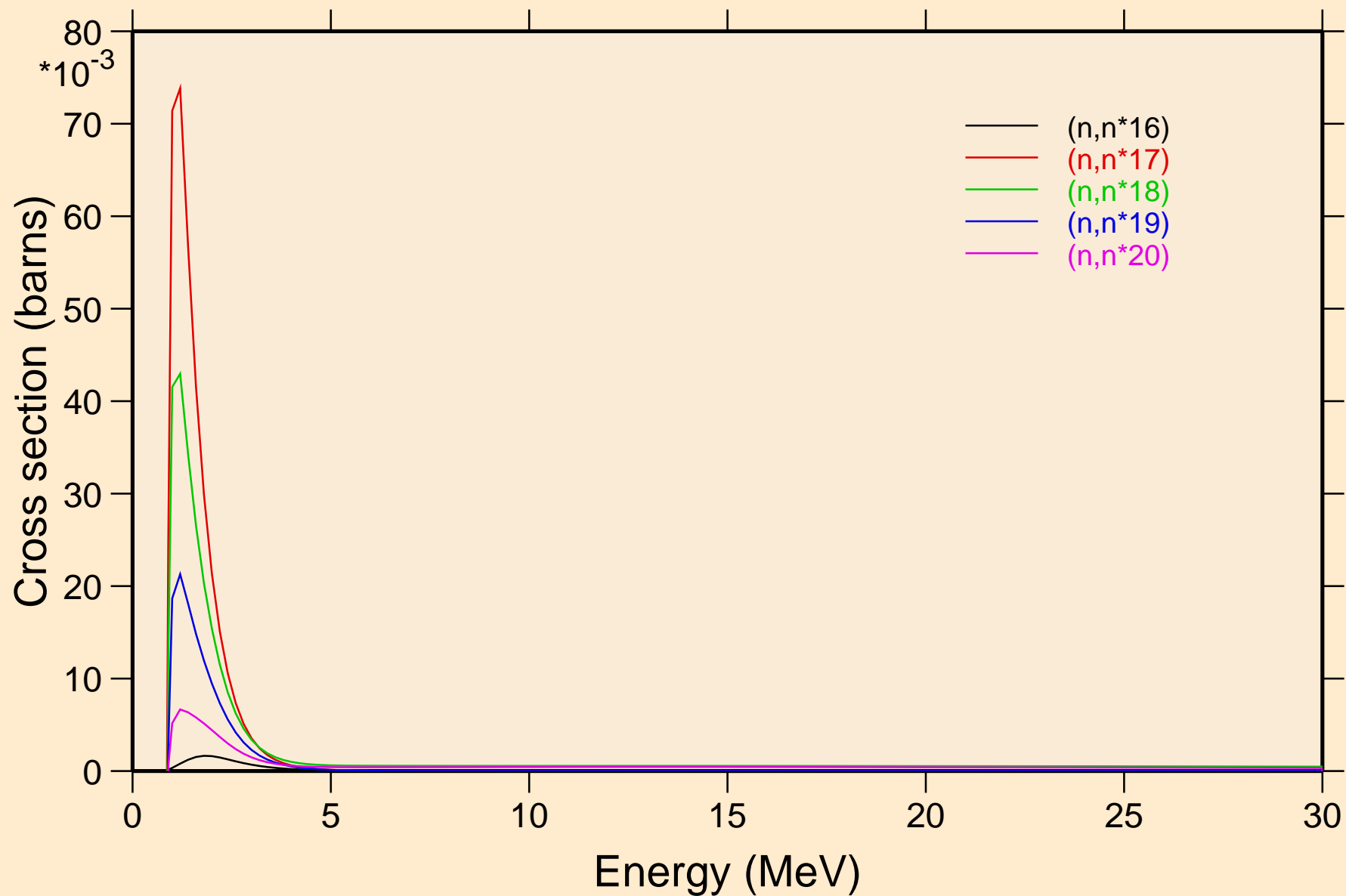




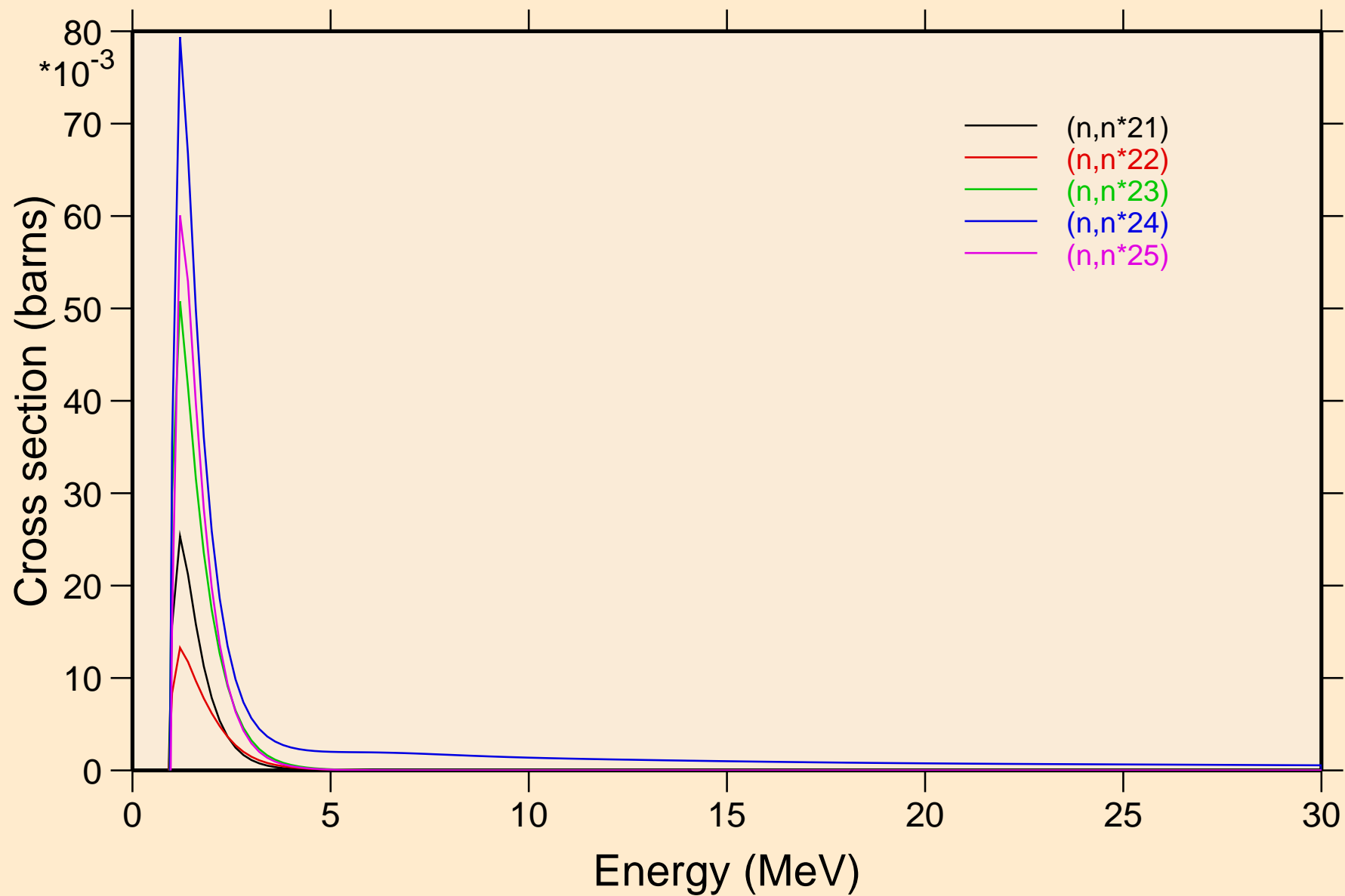
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



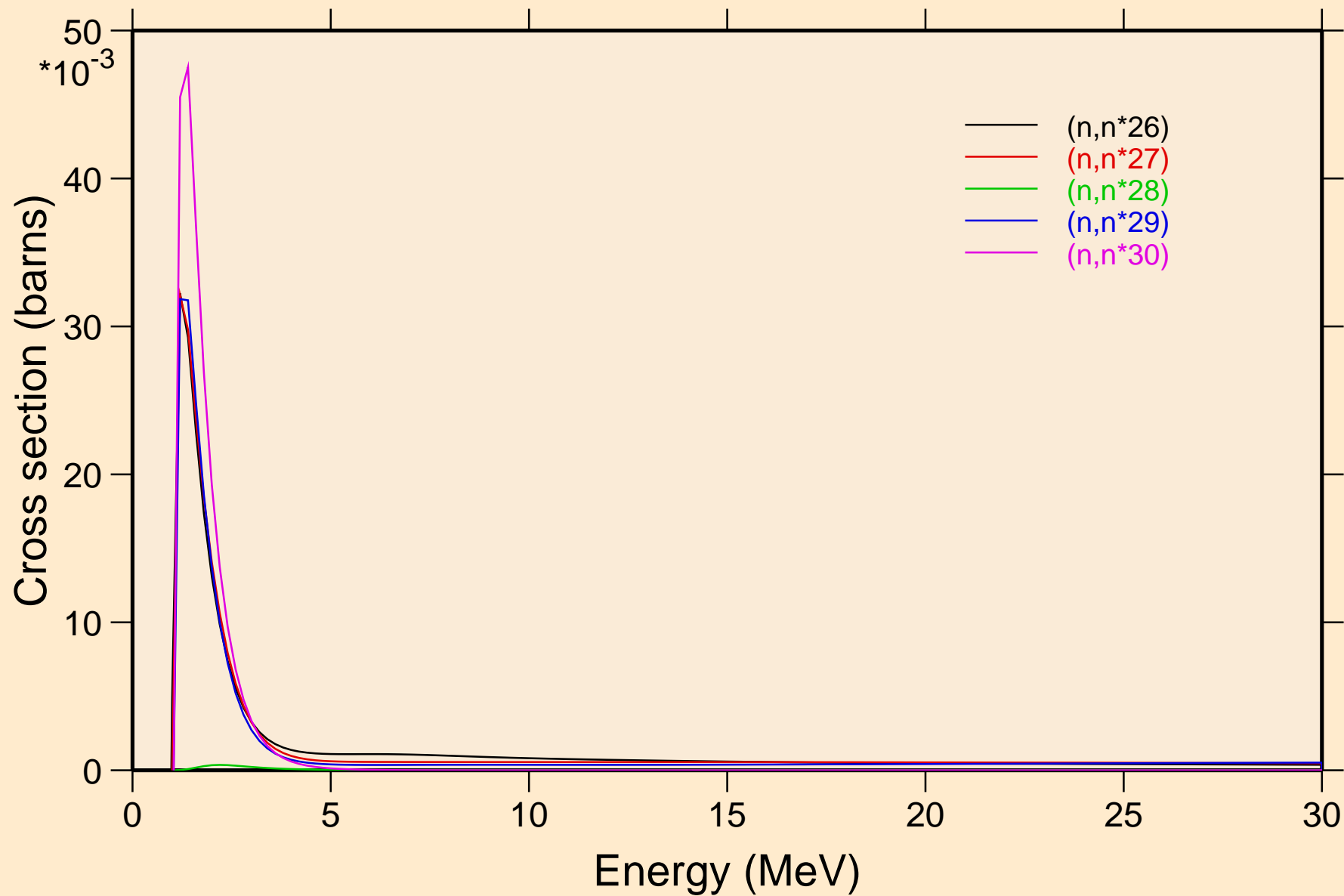
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



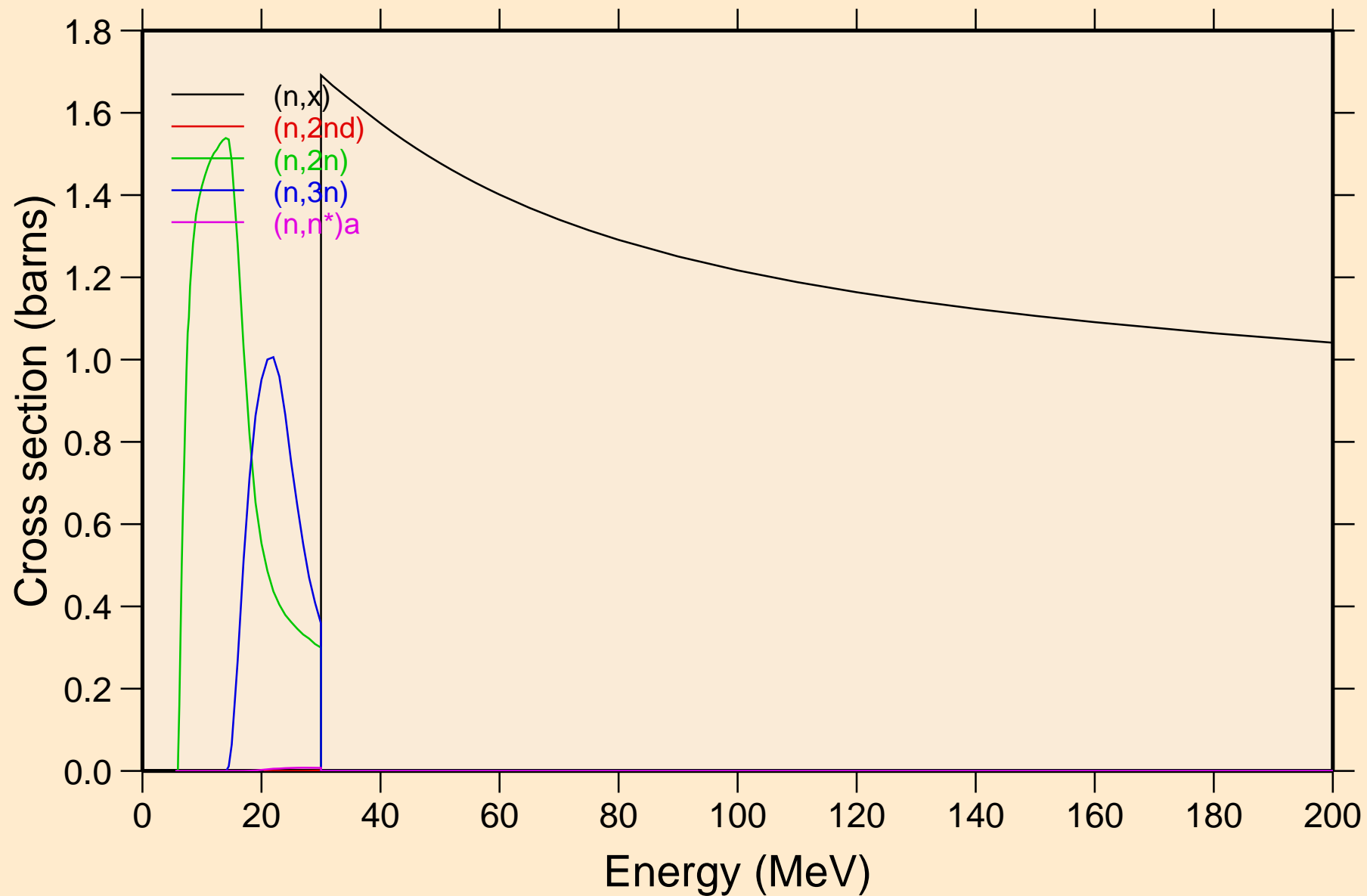
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



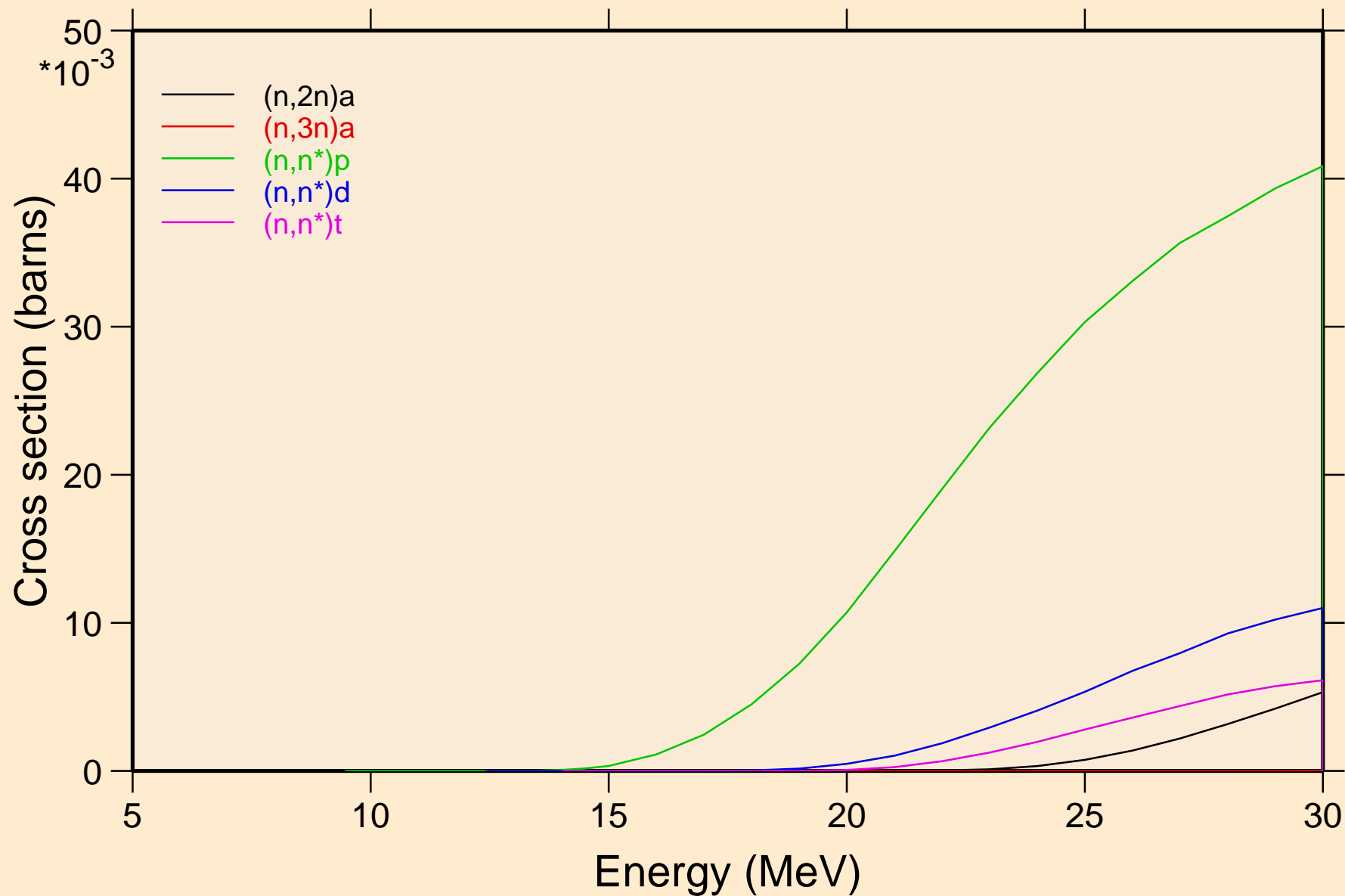
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



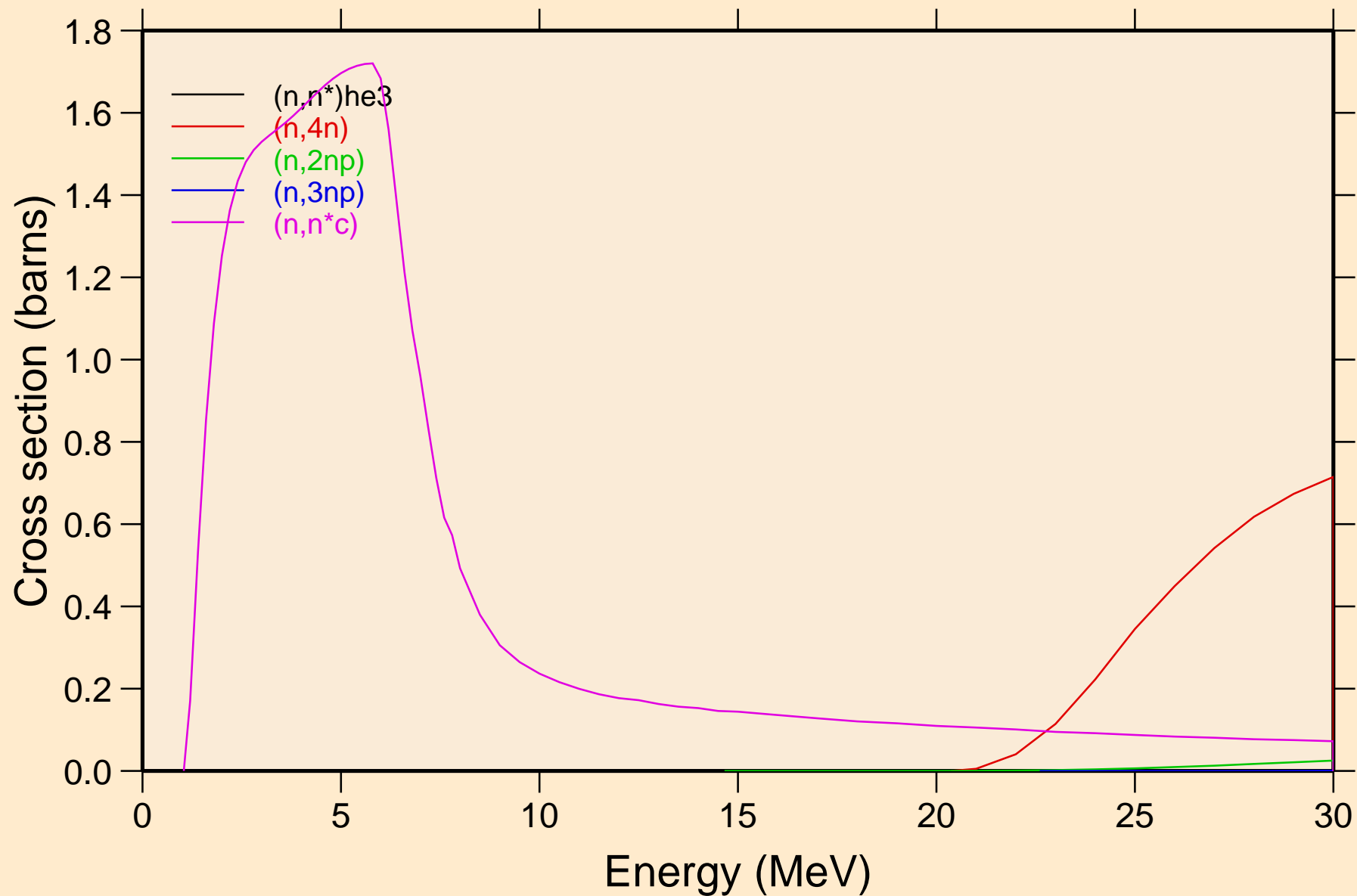
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



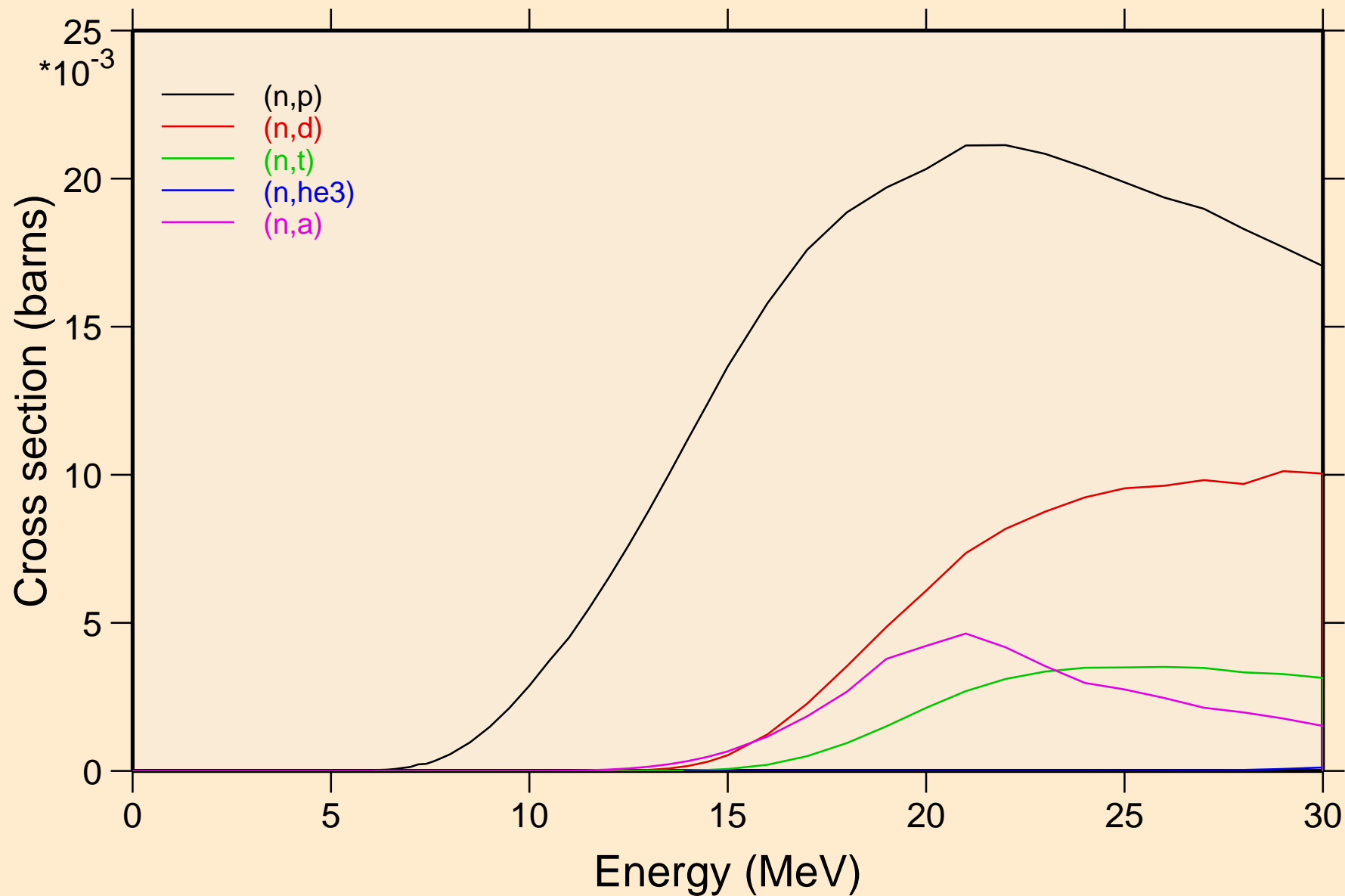
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

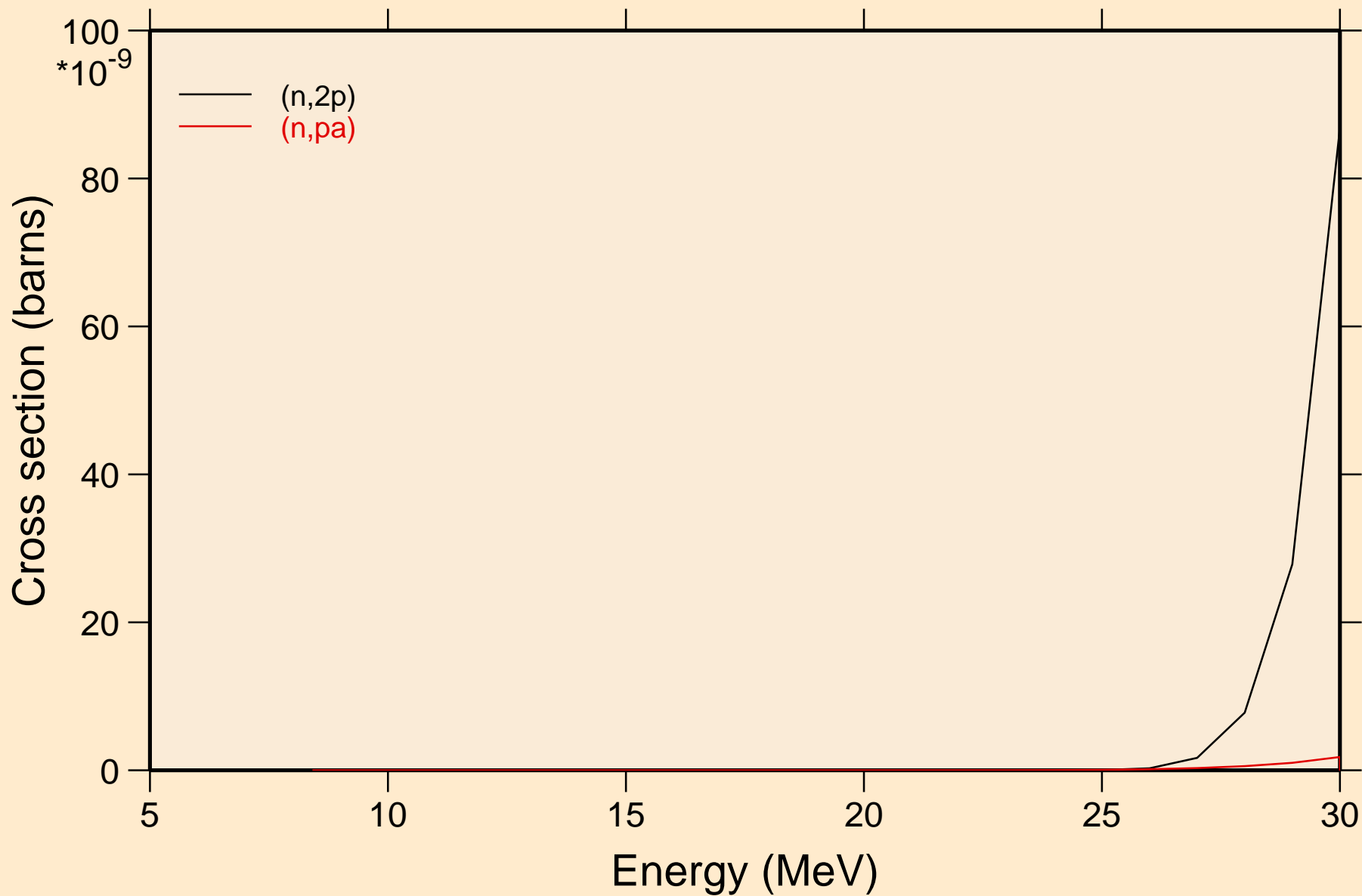


RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

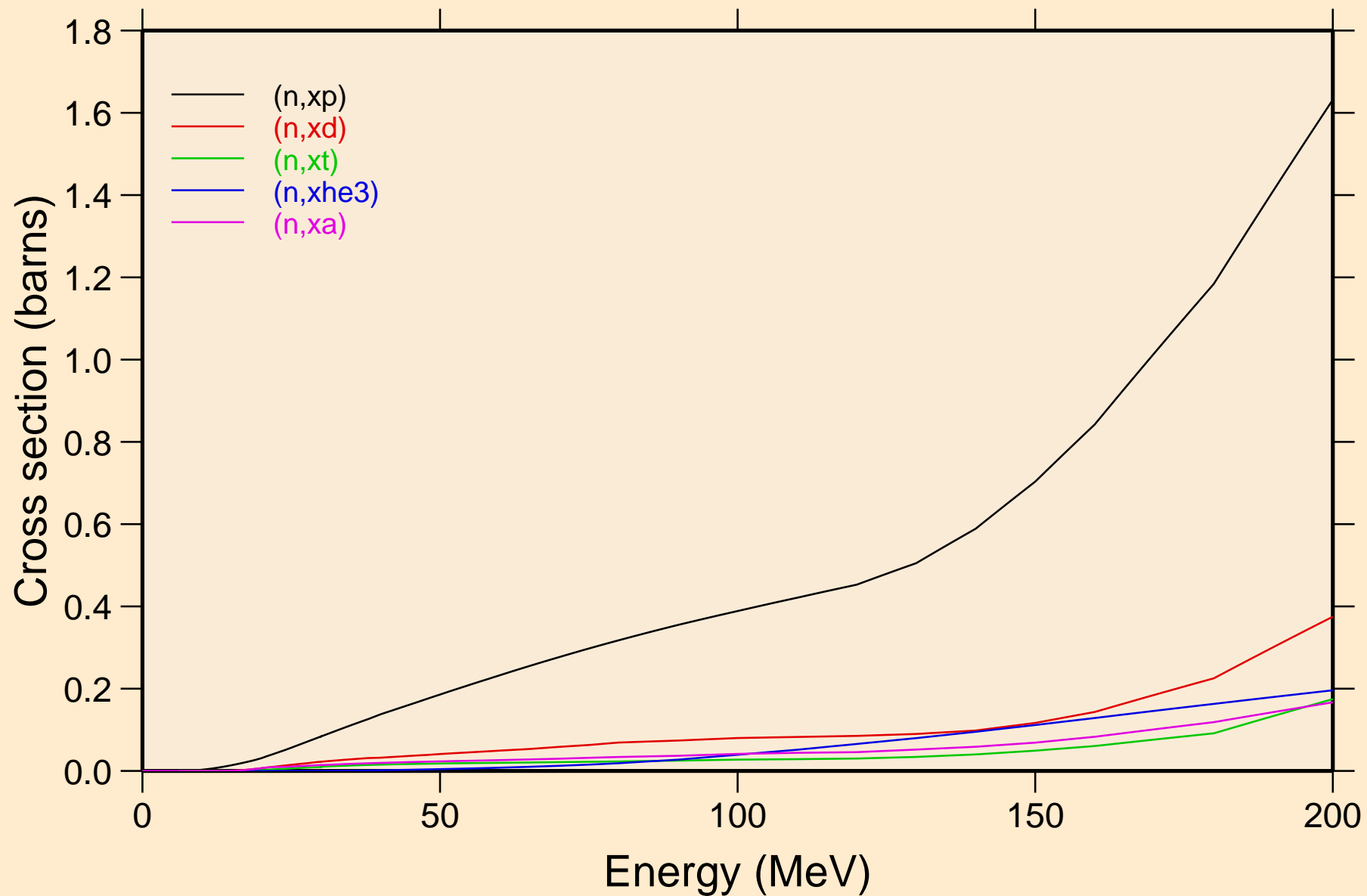




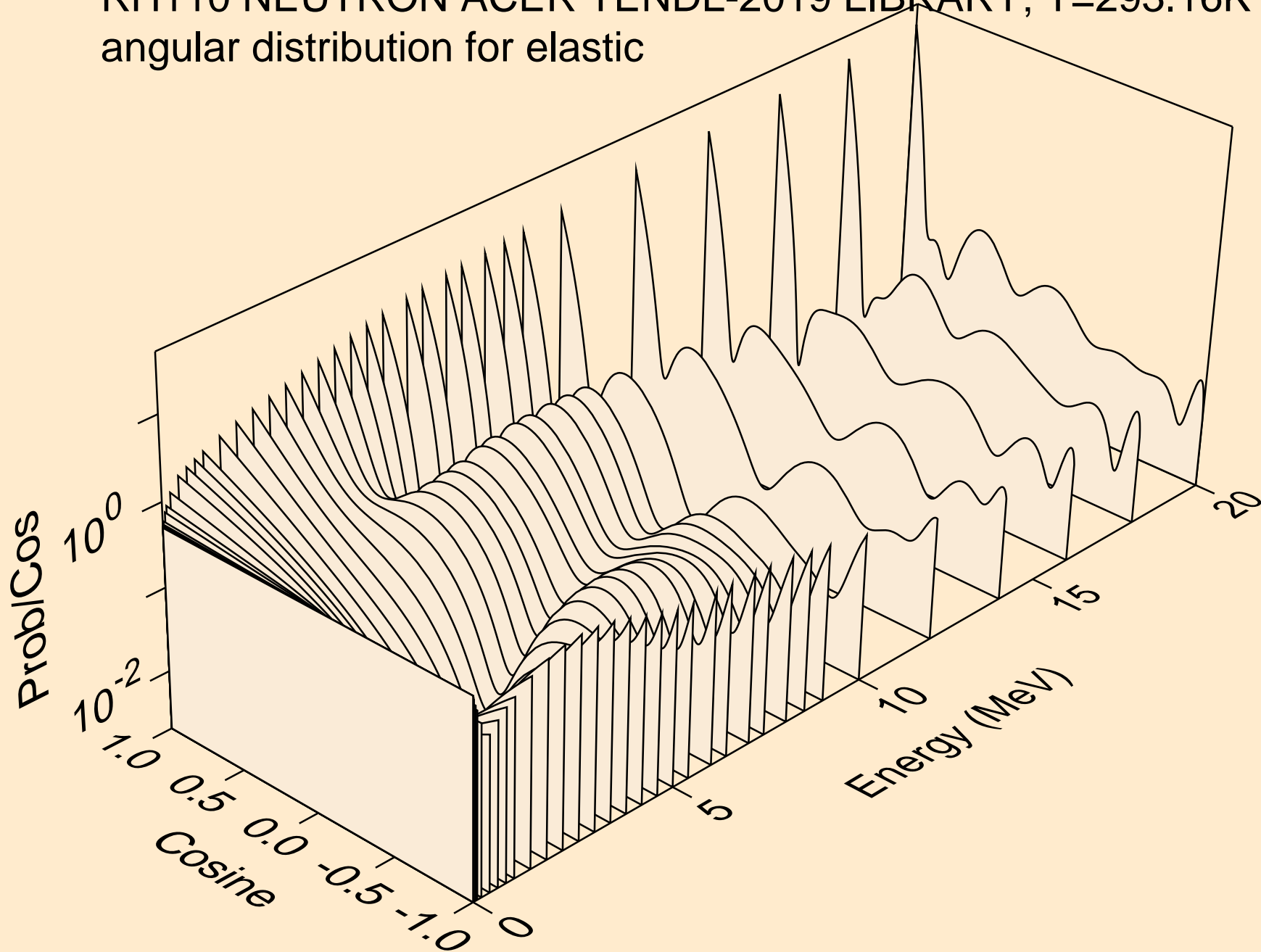
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



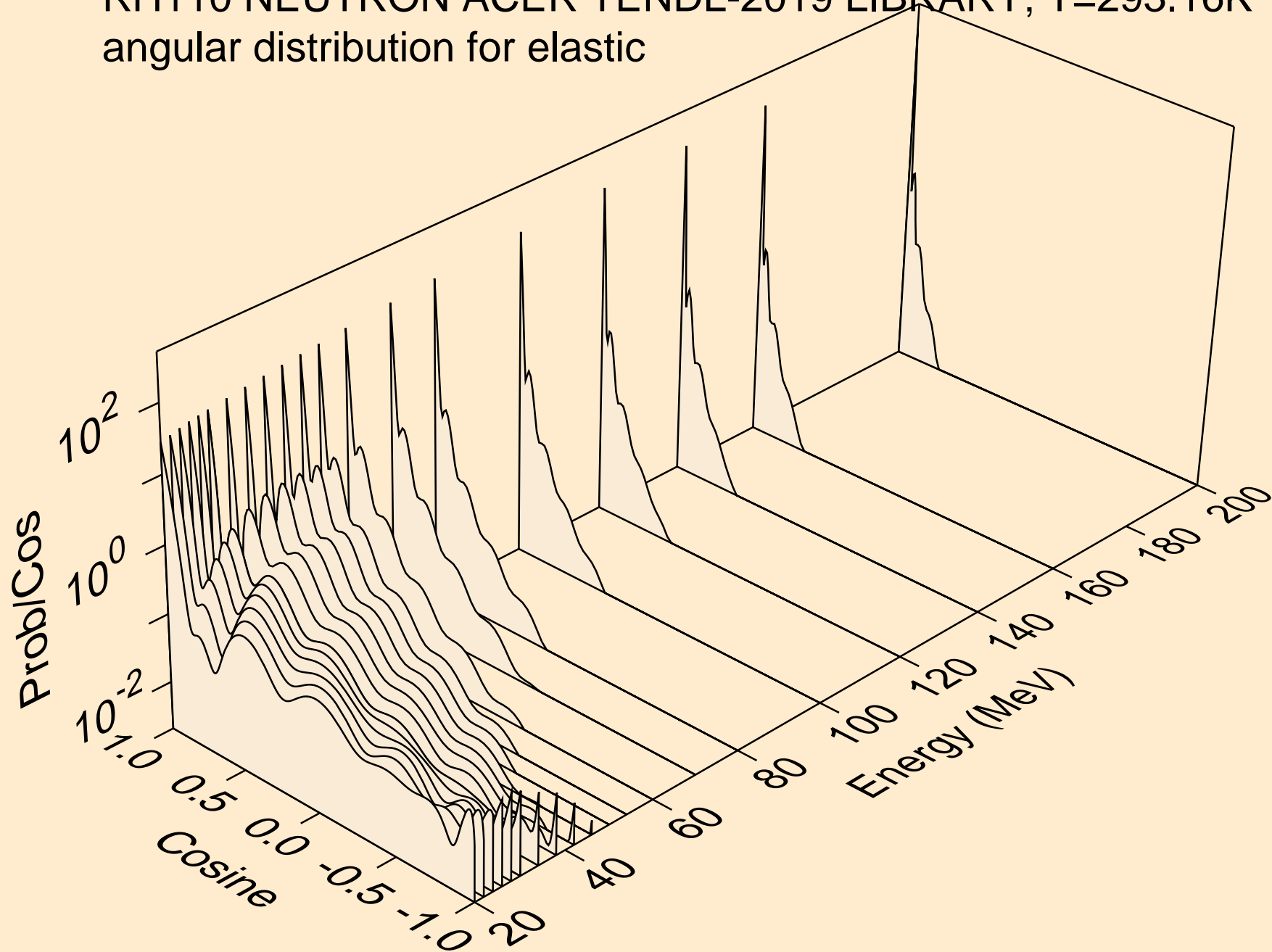
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



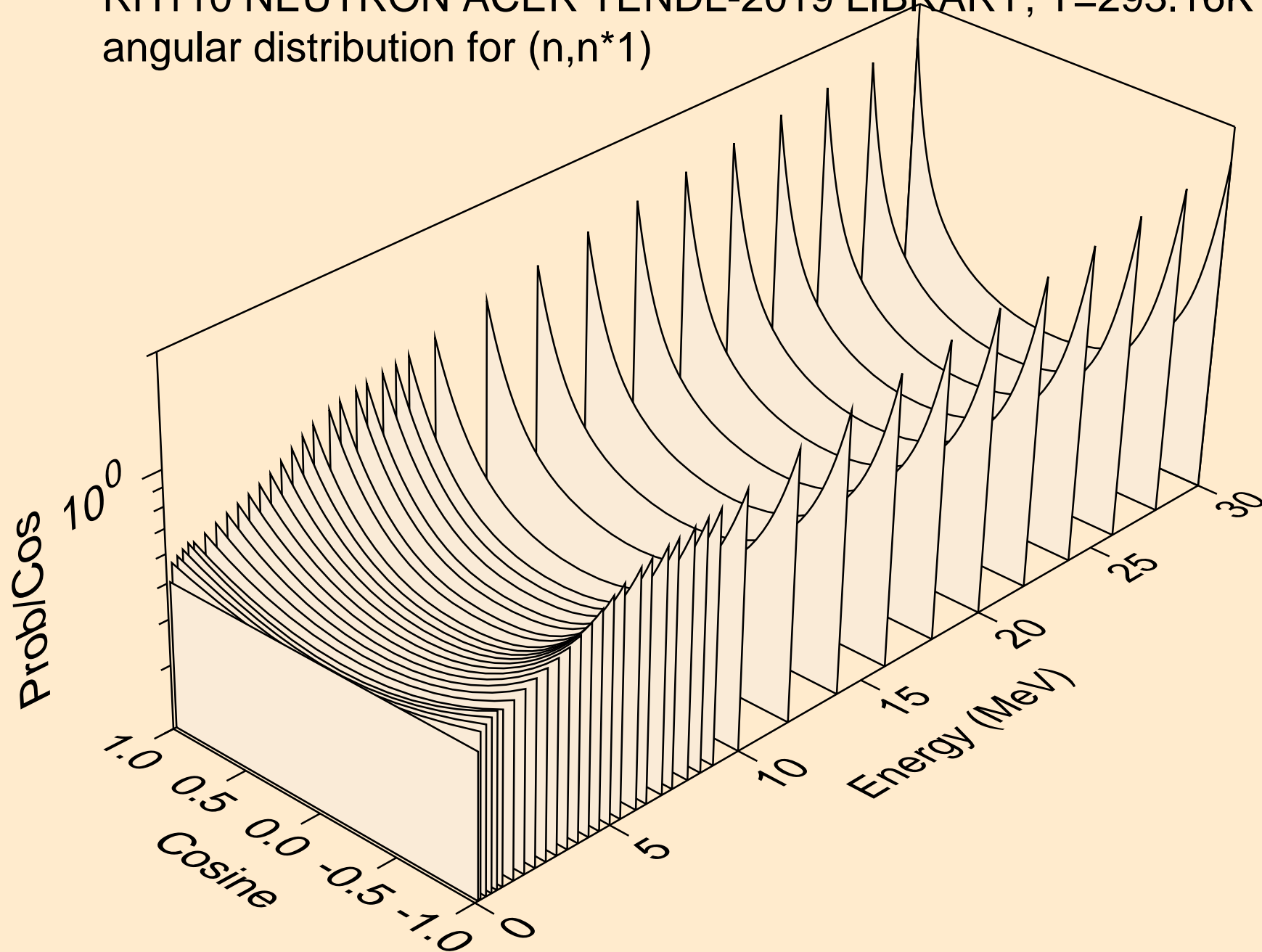
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



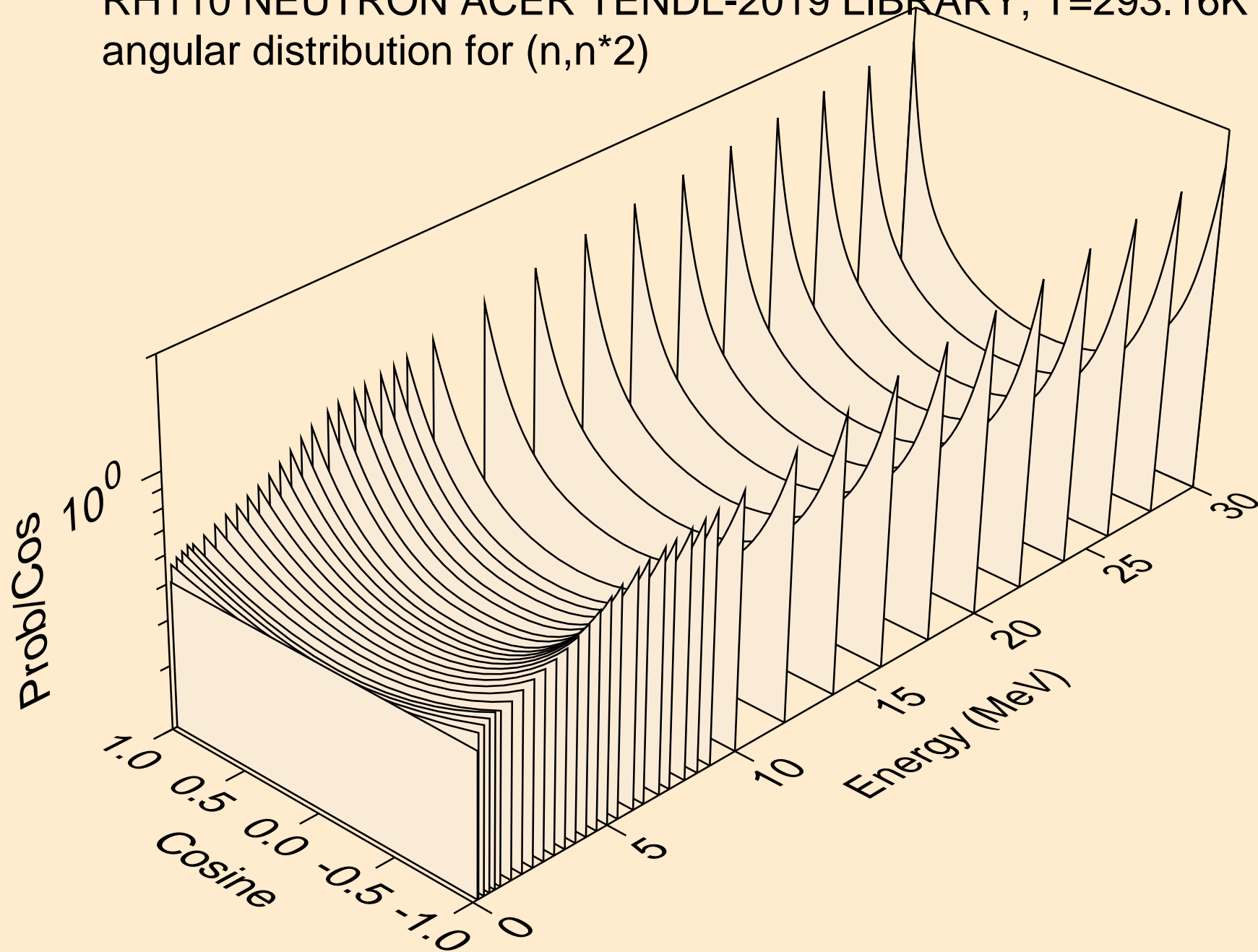
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



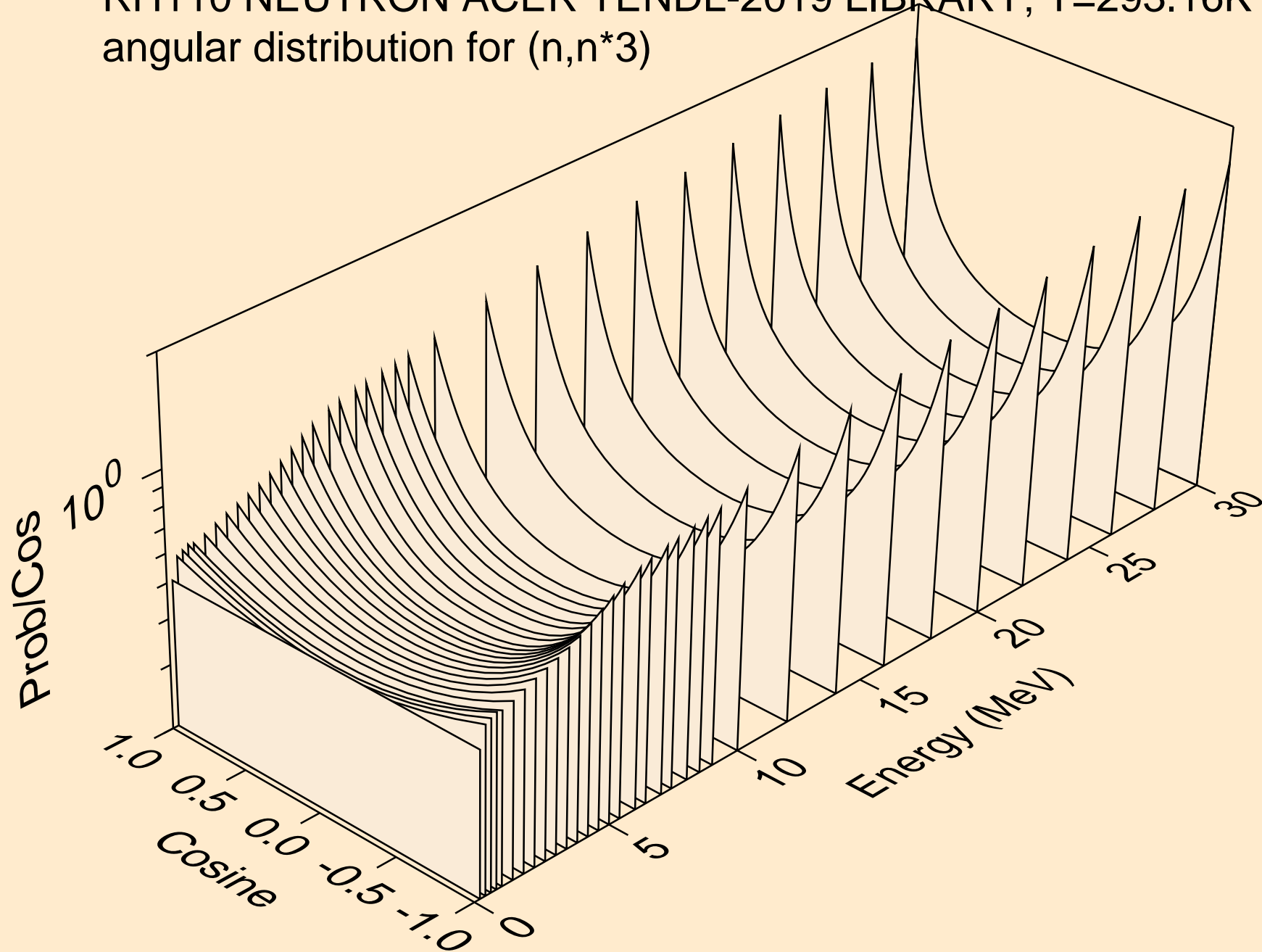
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)



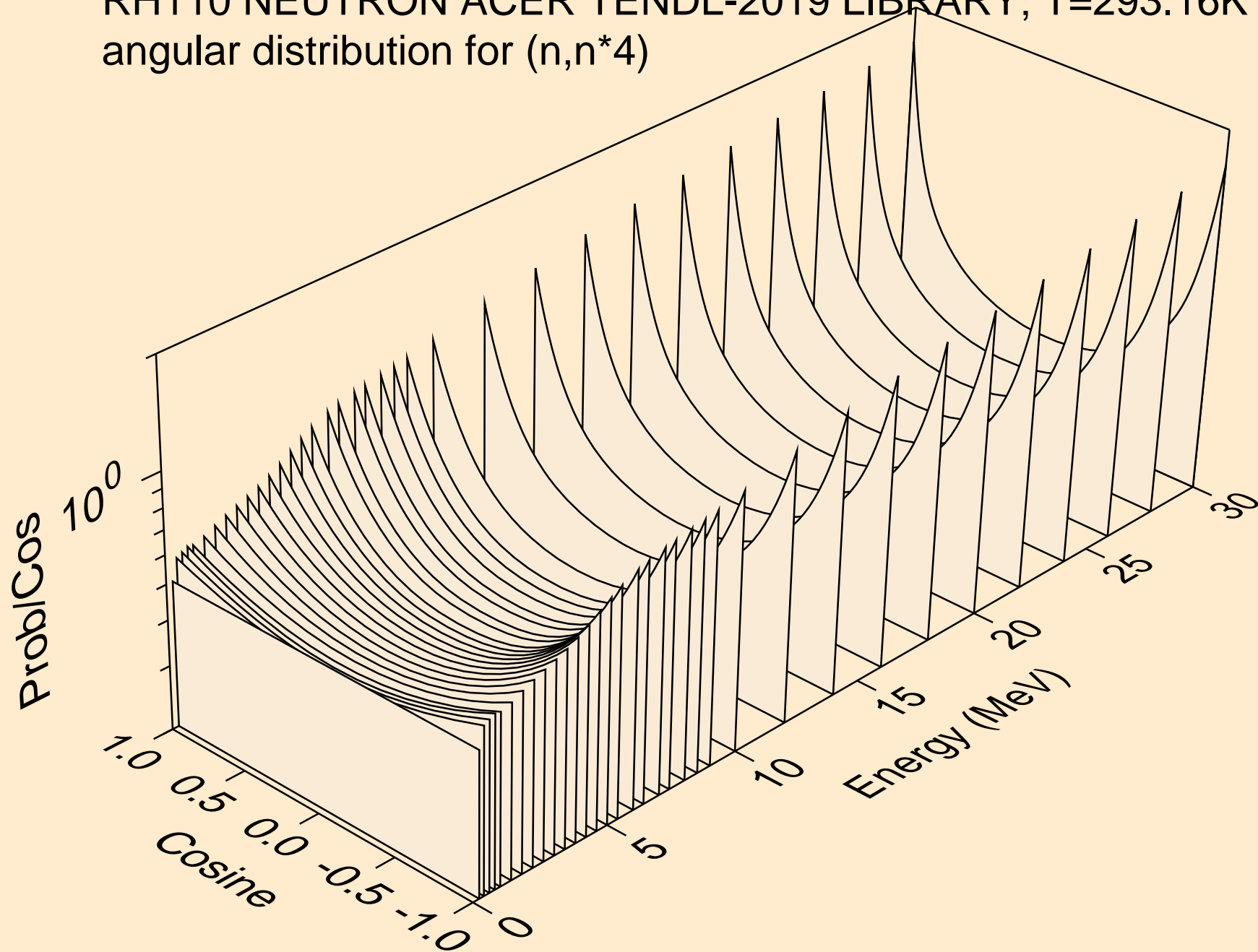
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)



RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*3)

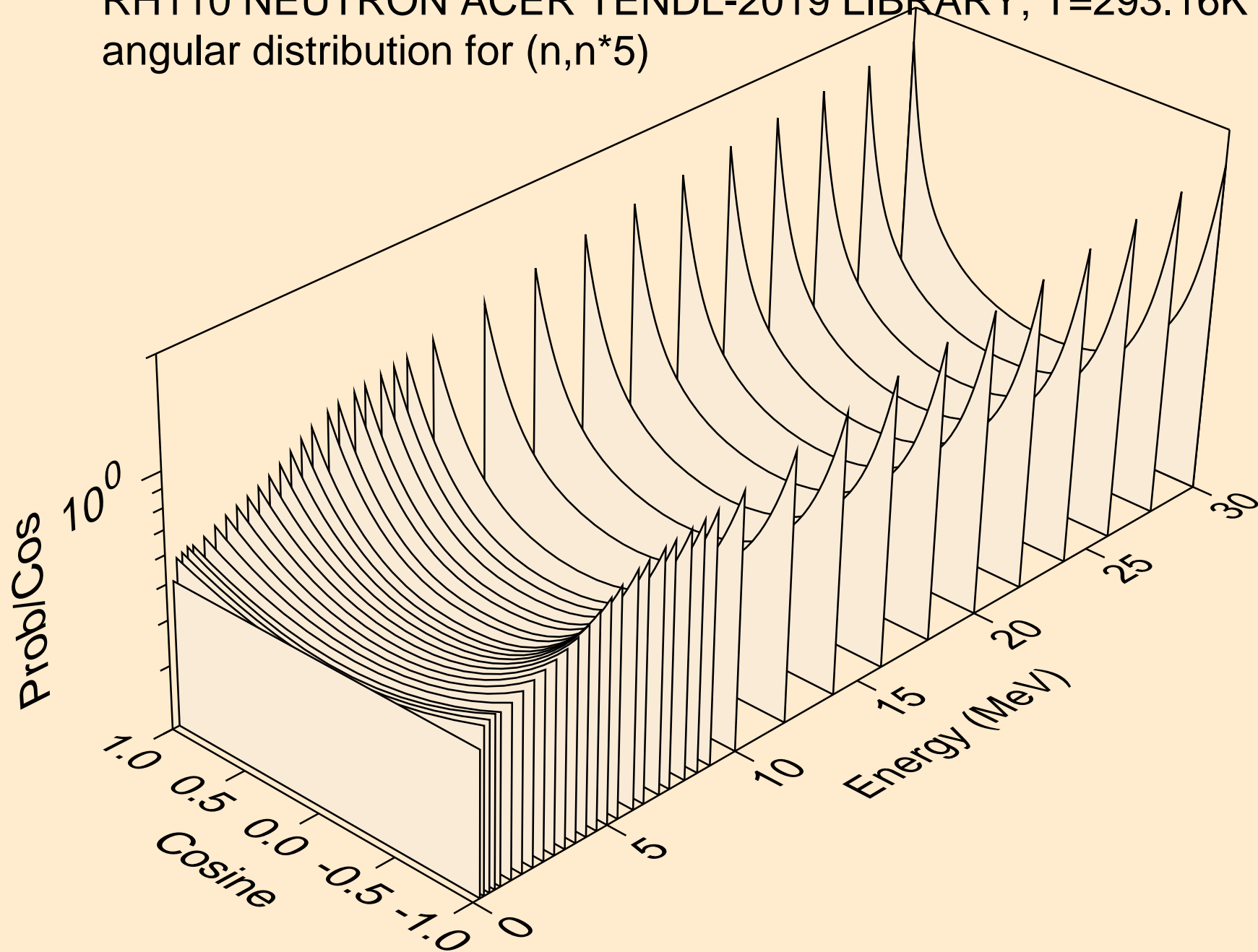


RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*4)

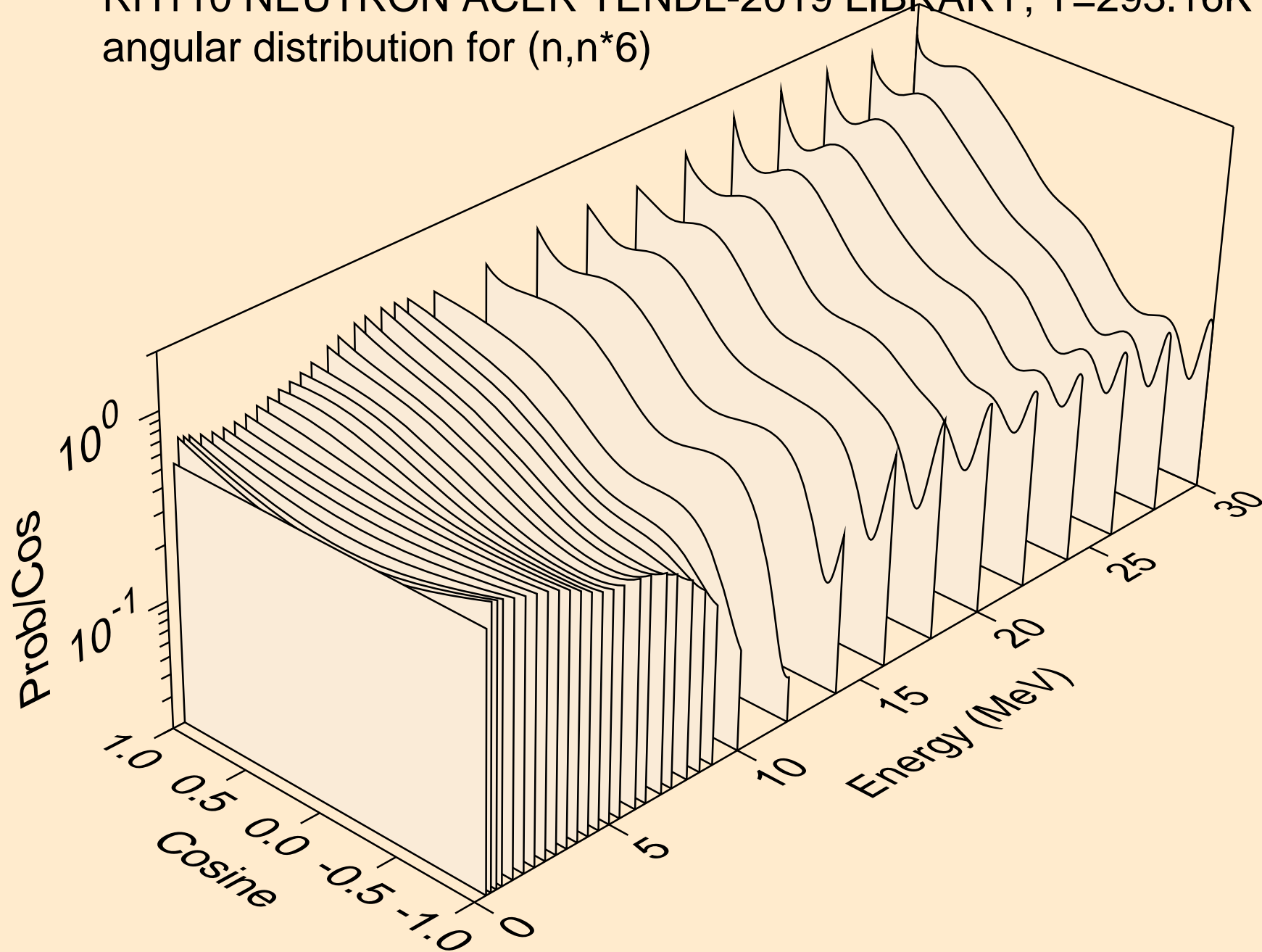




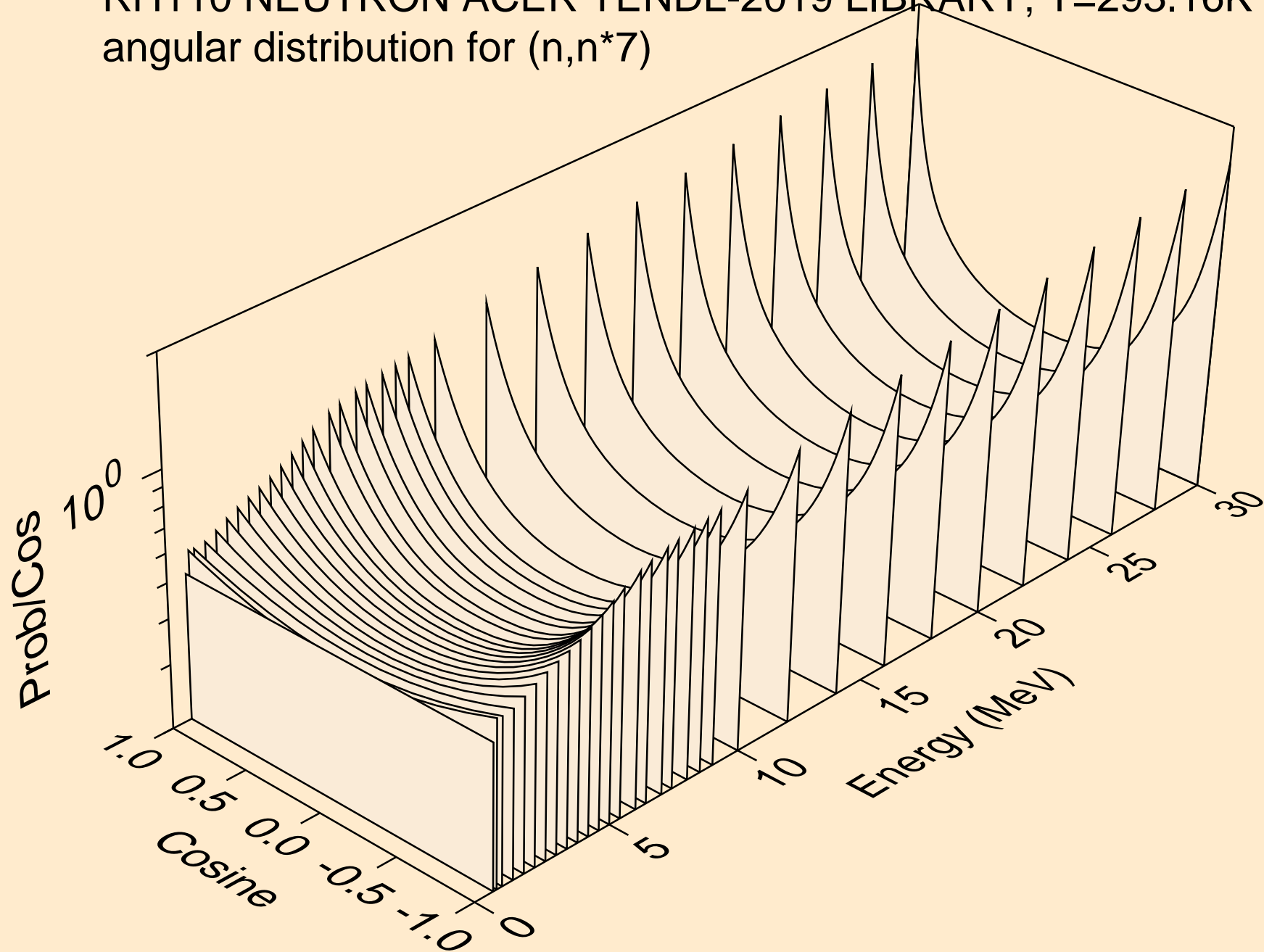
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*5)



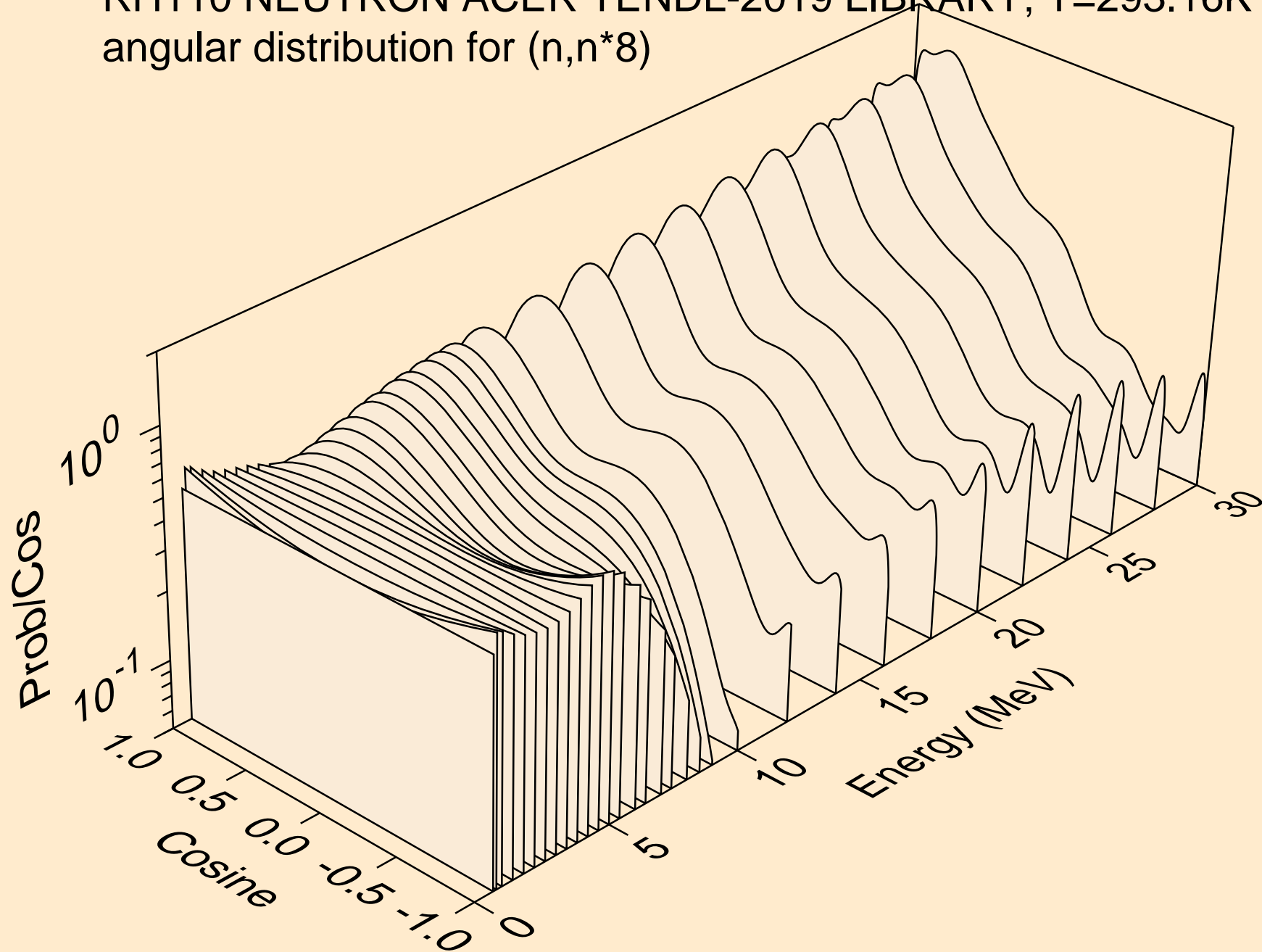
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*6)



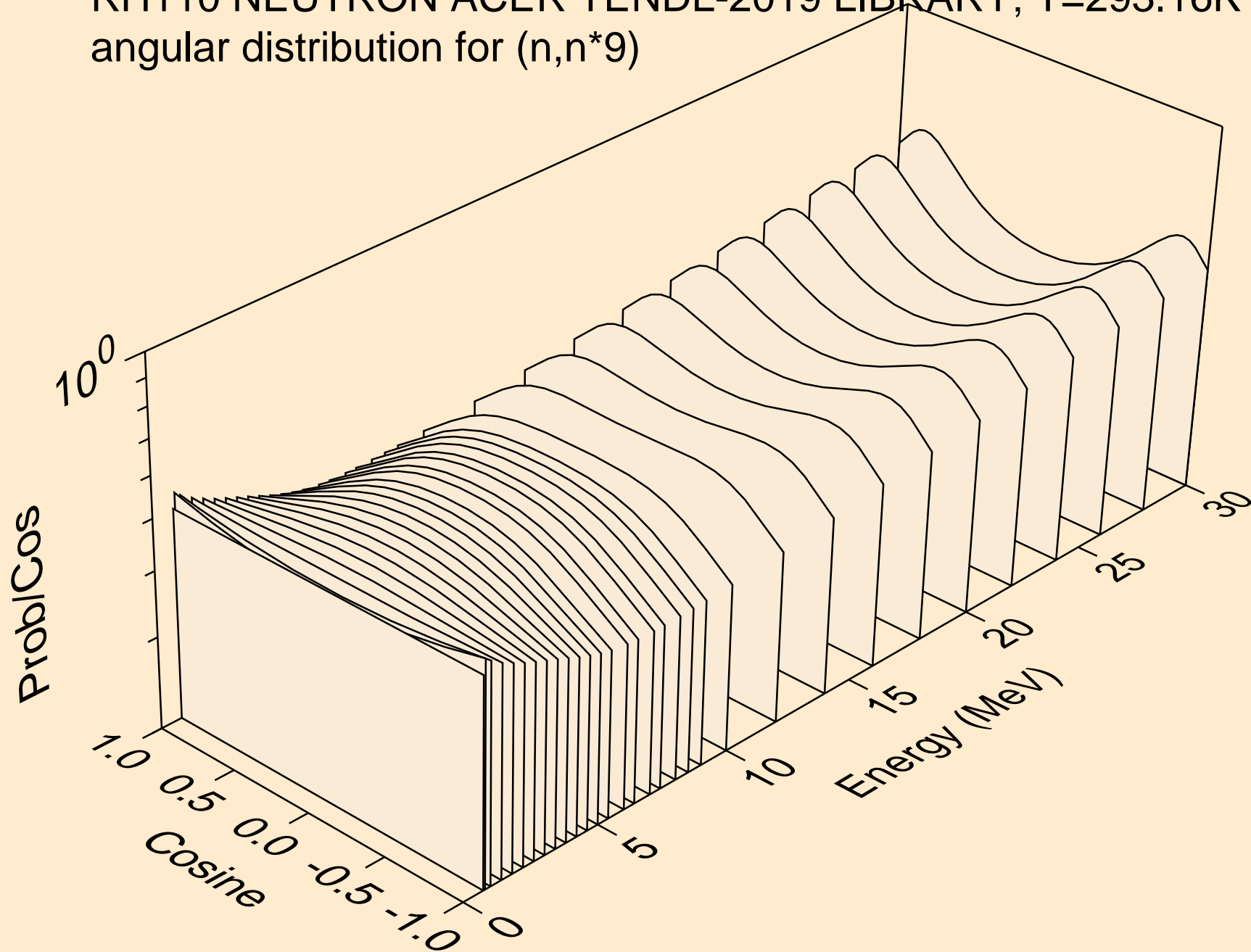
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angular distribution for (n,n\*7)



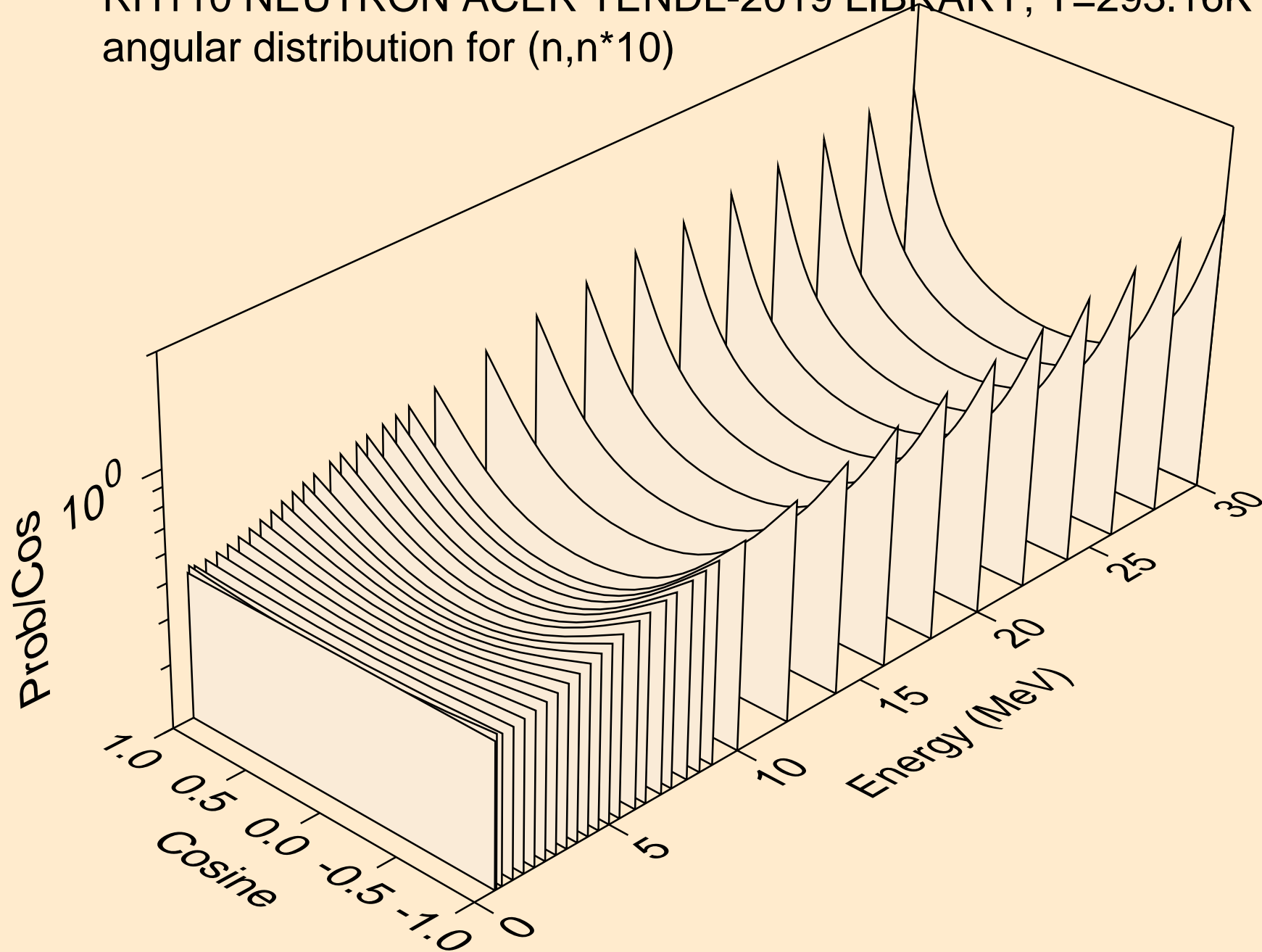
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angular distribution for (n,n\*8)



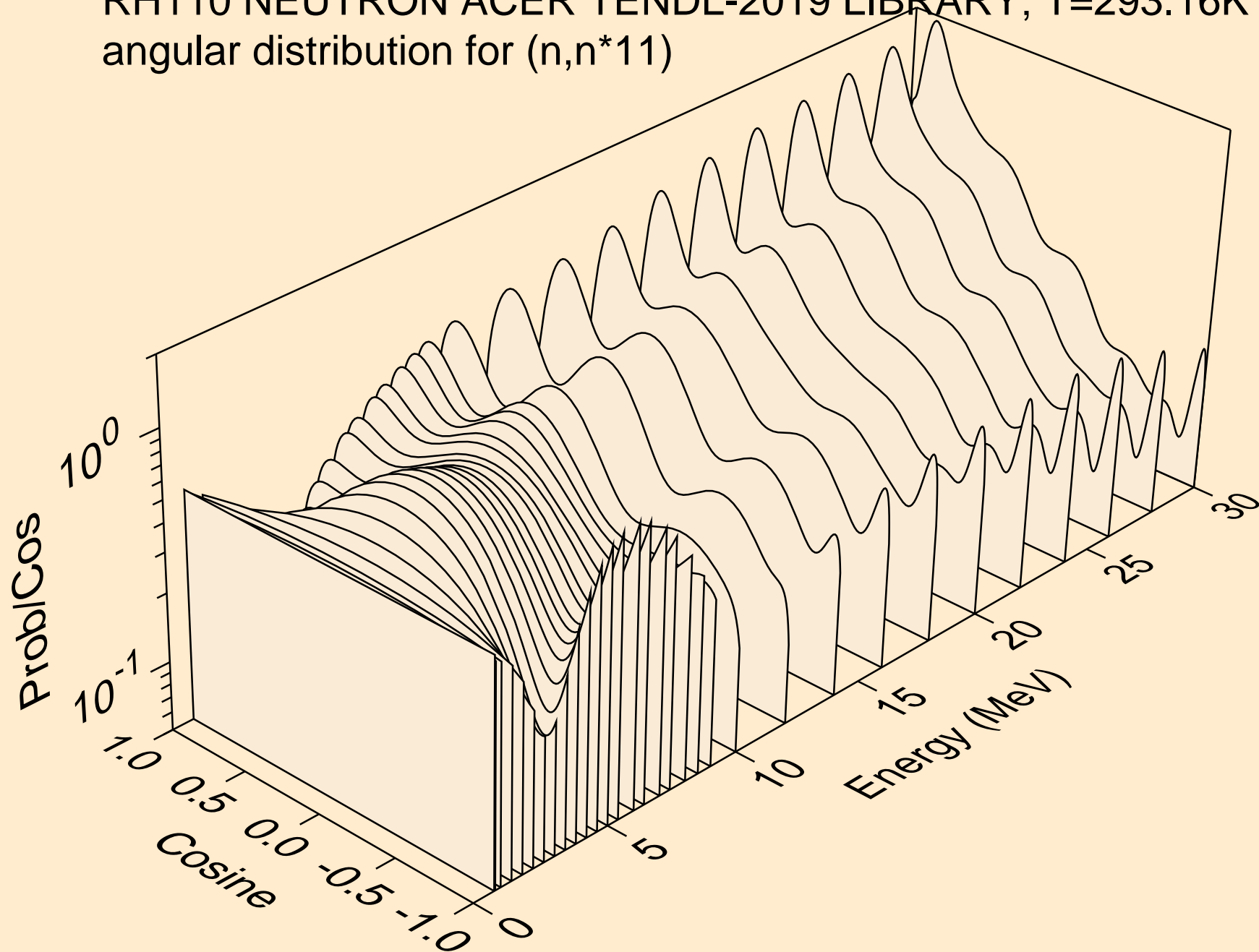
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angular distribution for (n,n\*9)



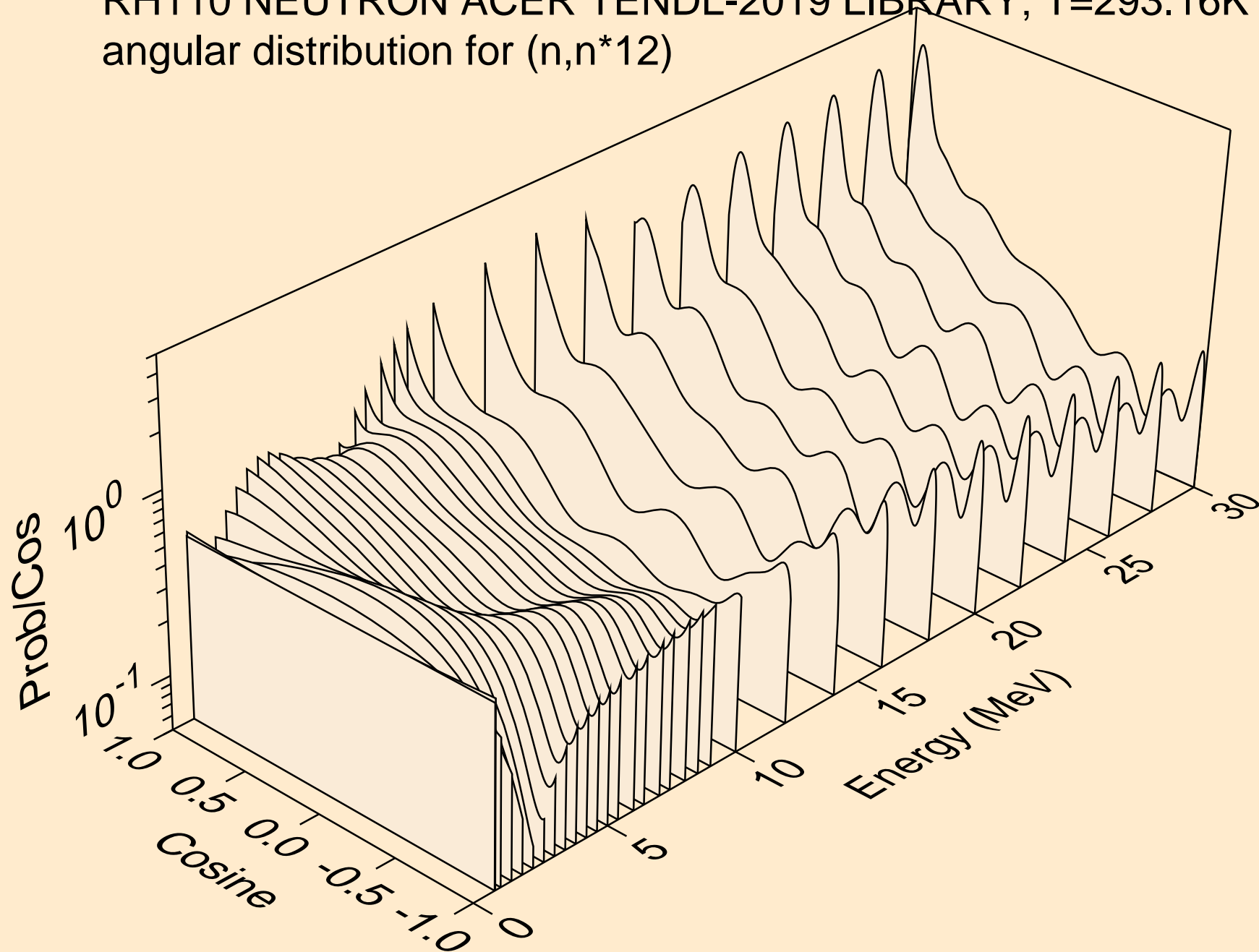
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*10)



RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*11)

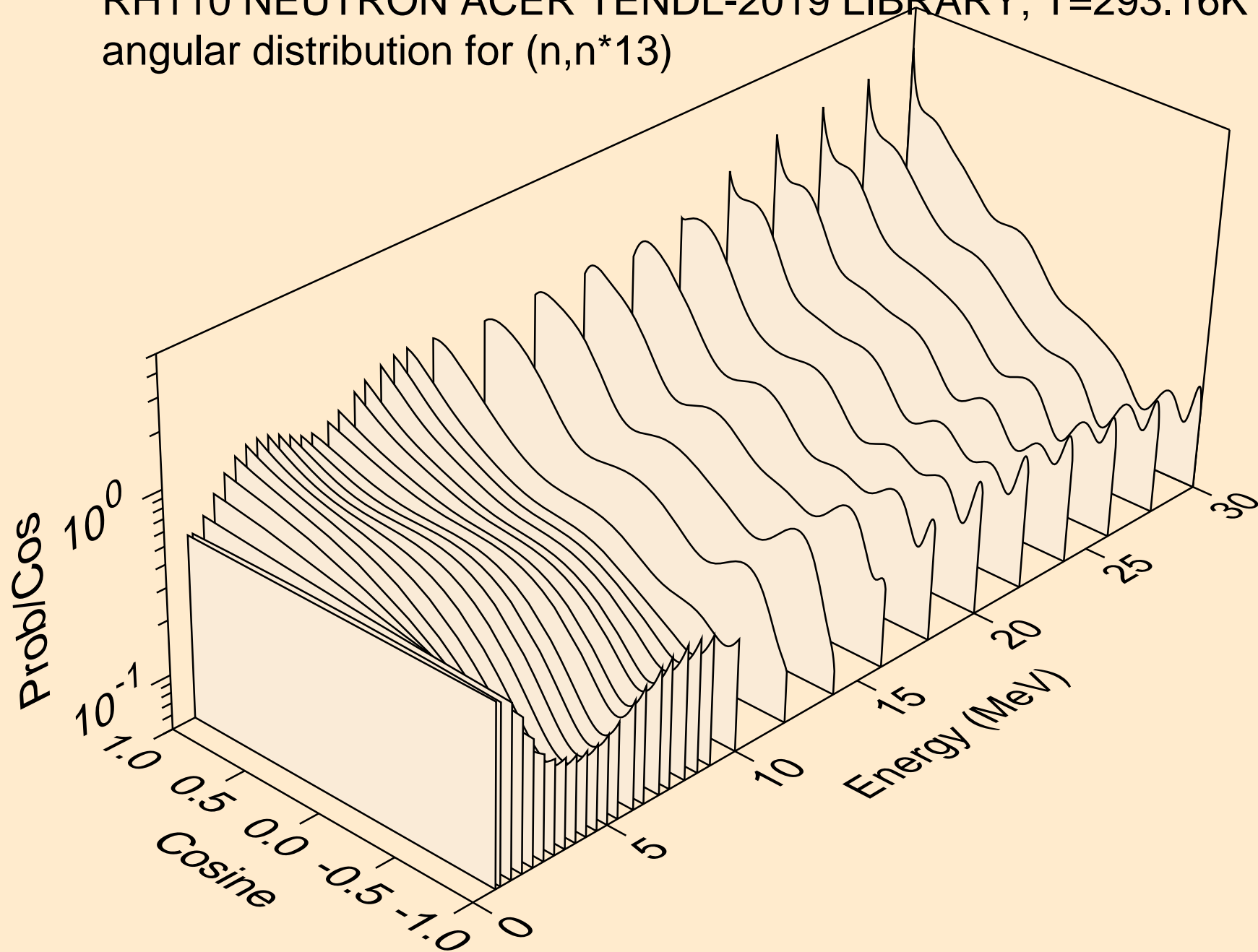


RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*12)

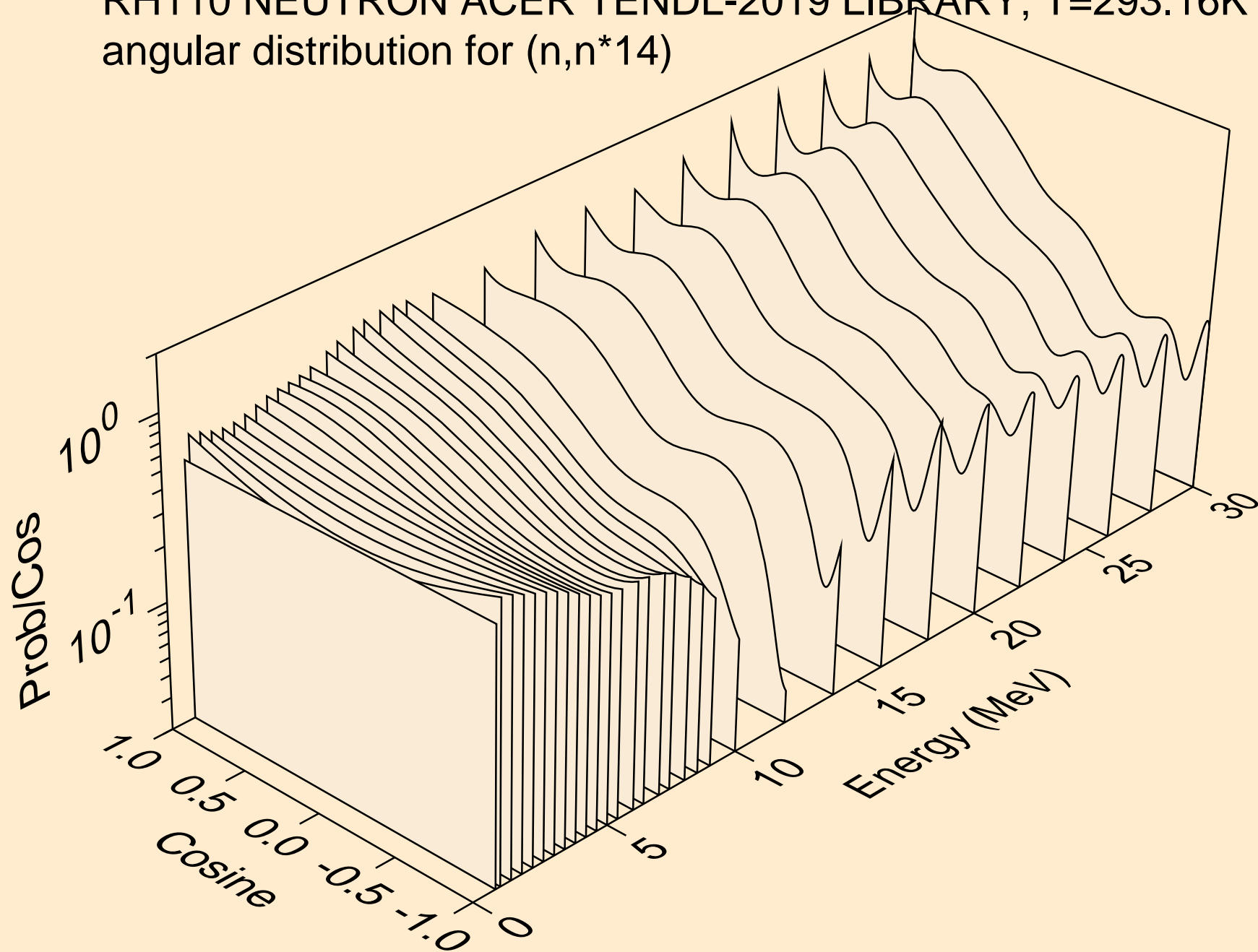




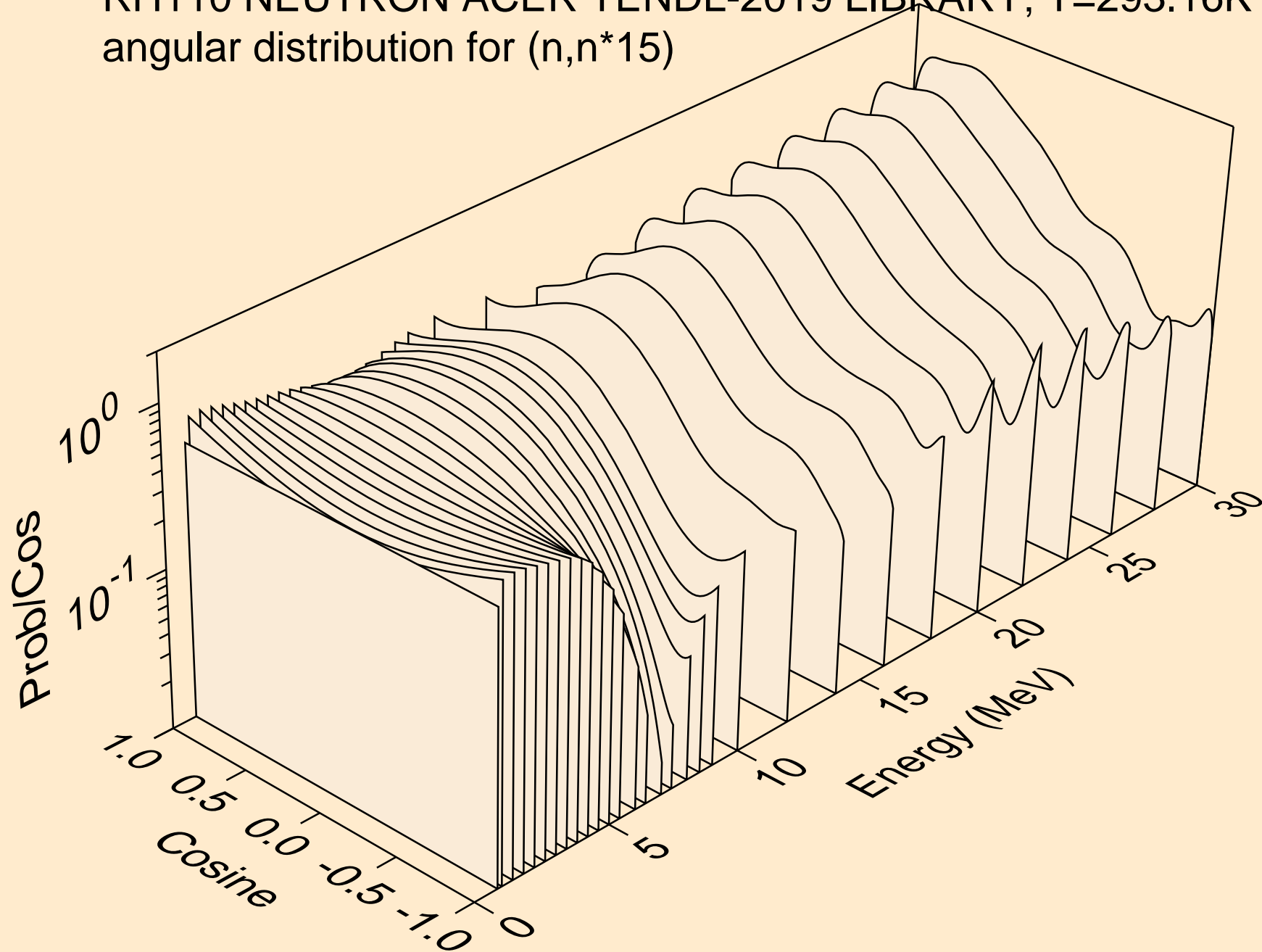
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angular distribution for (n,n\*13)



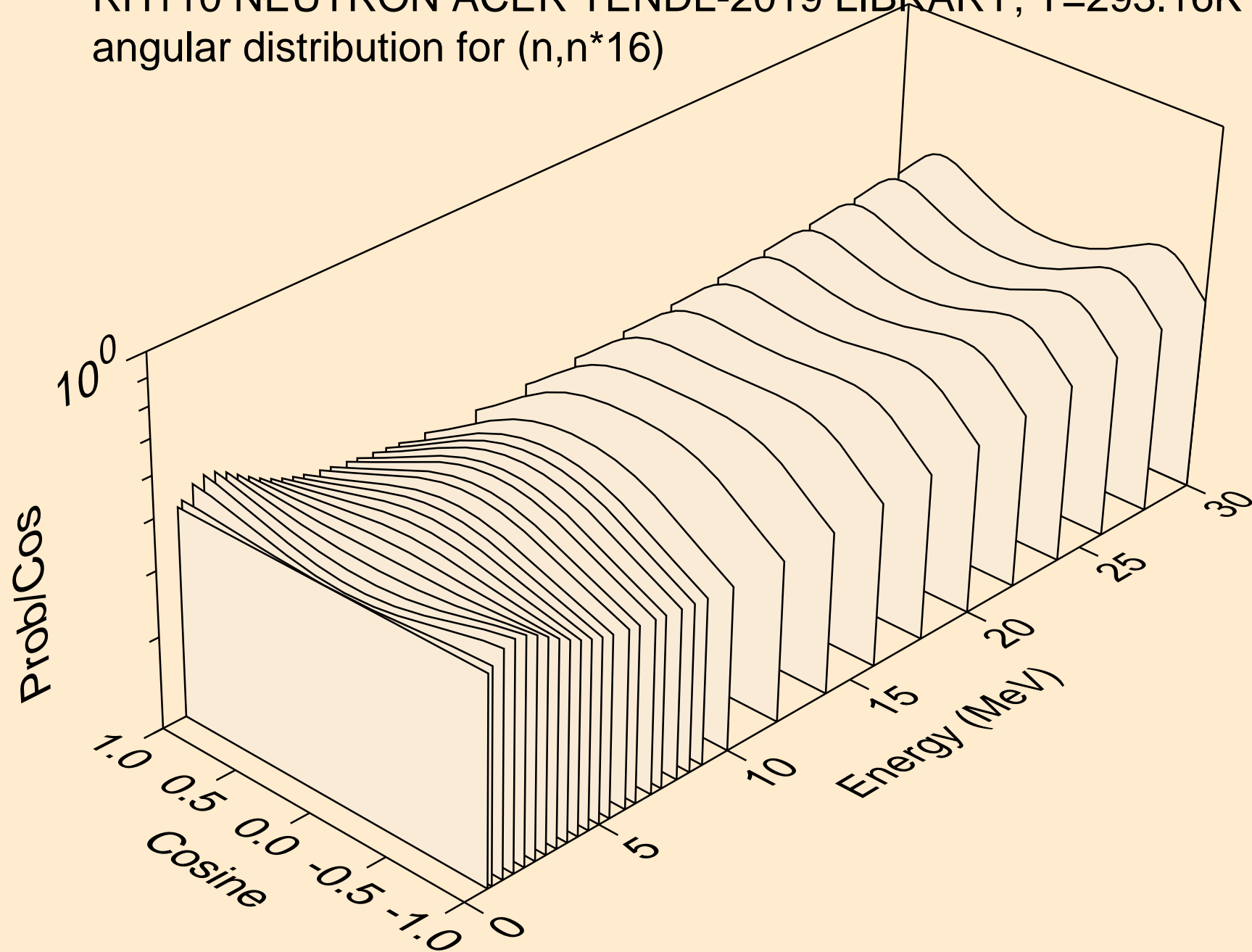
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angular distribution for (n,n\*14)



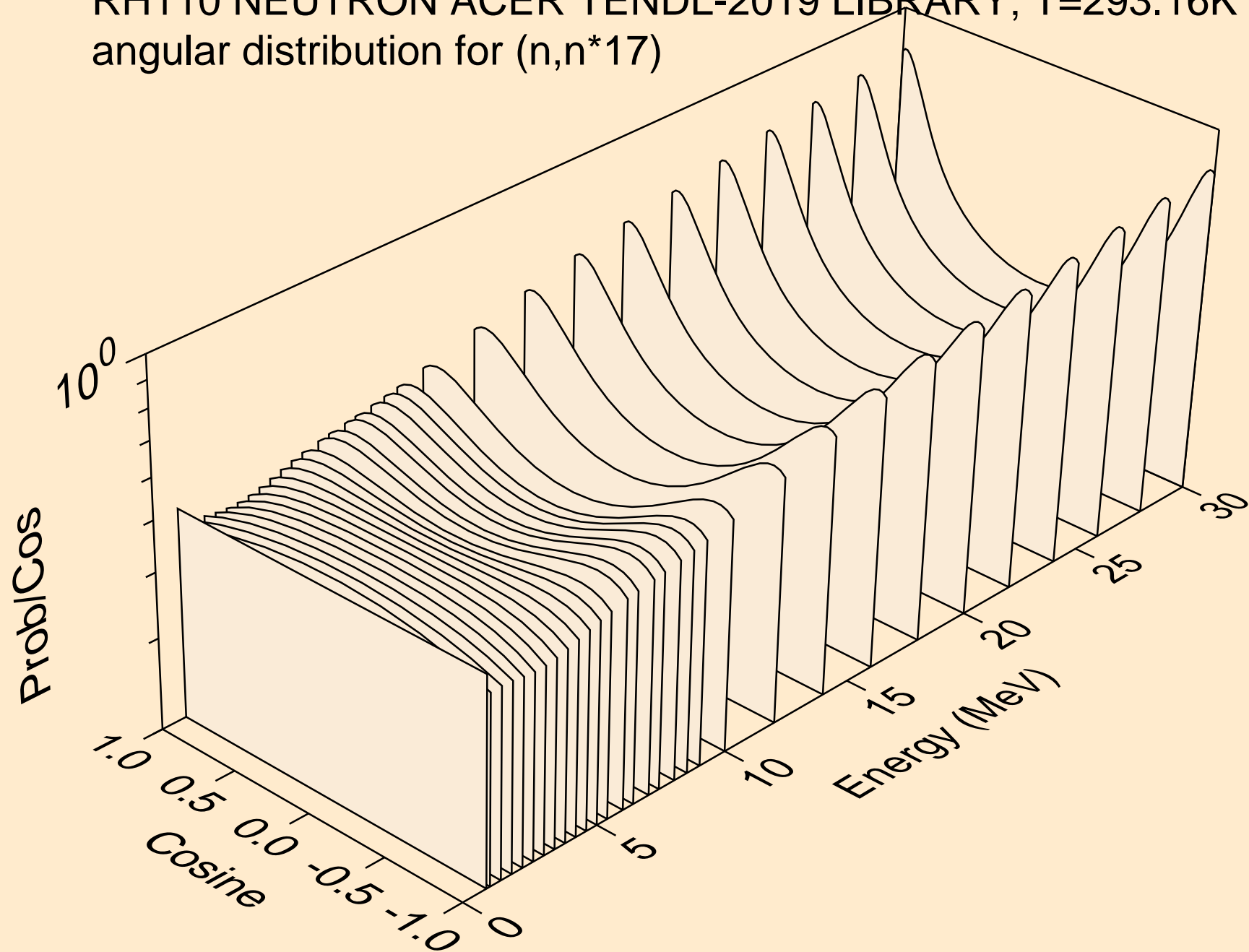
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angular distribution for (n,n\*15)



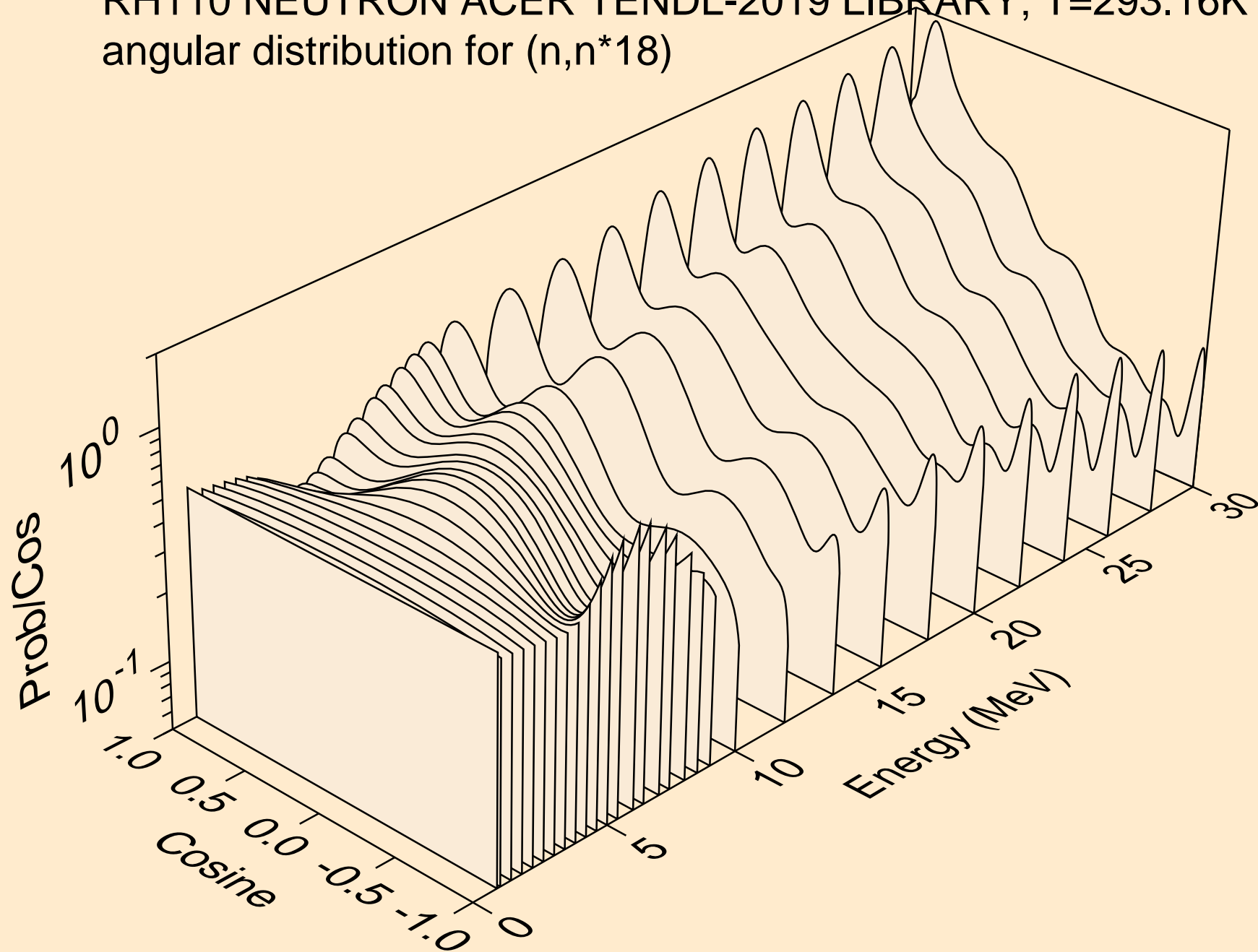
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angular distribution for (n,n\*16)



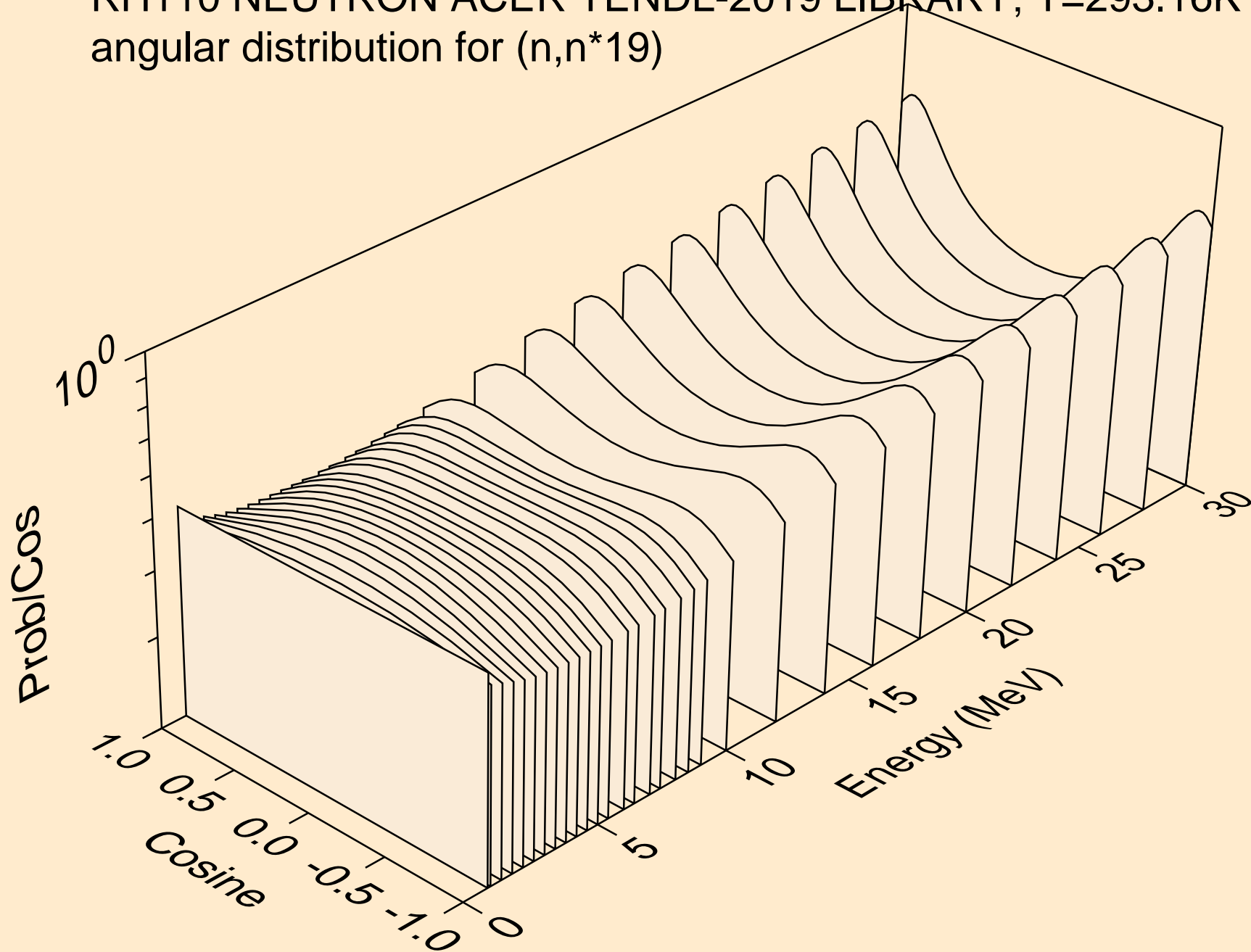
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angular distribution for (n,n\*17)



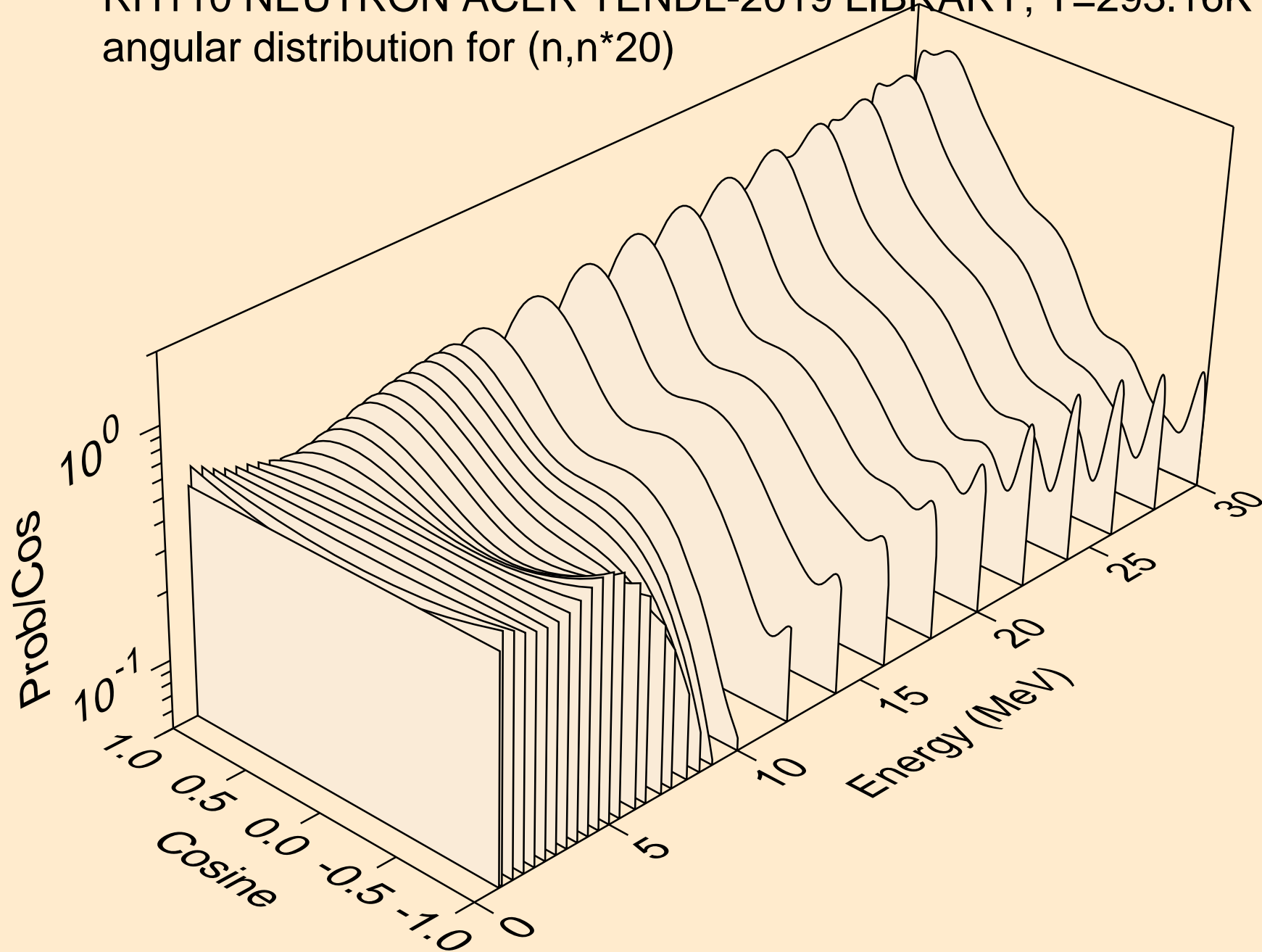
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*18)



RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*19)

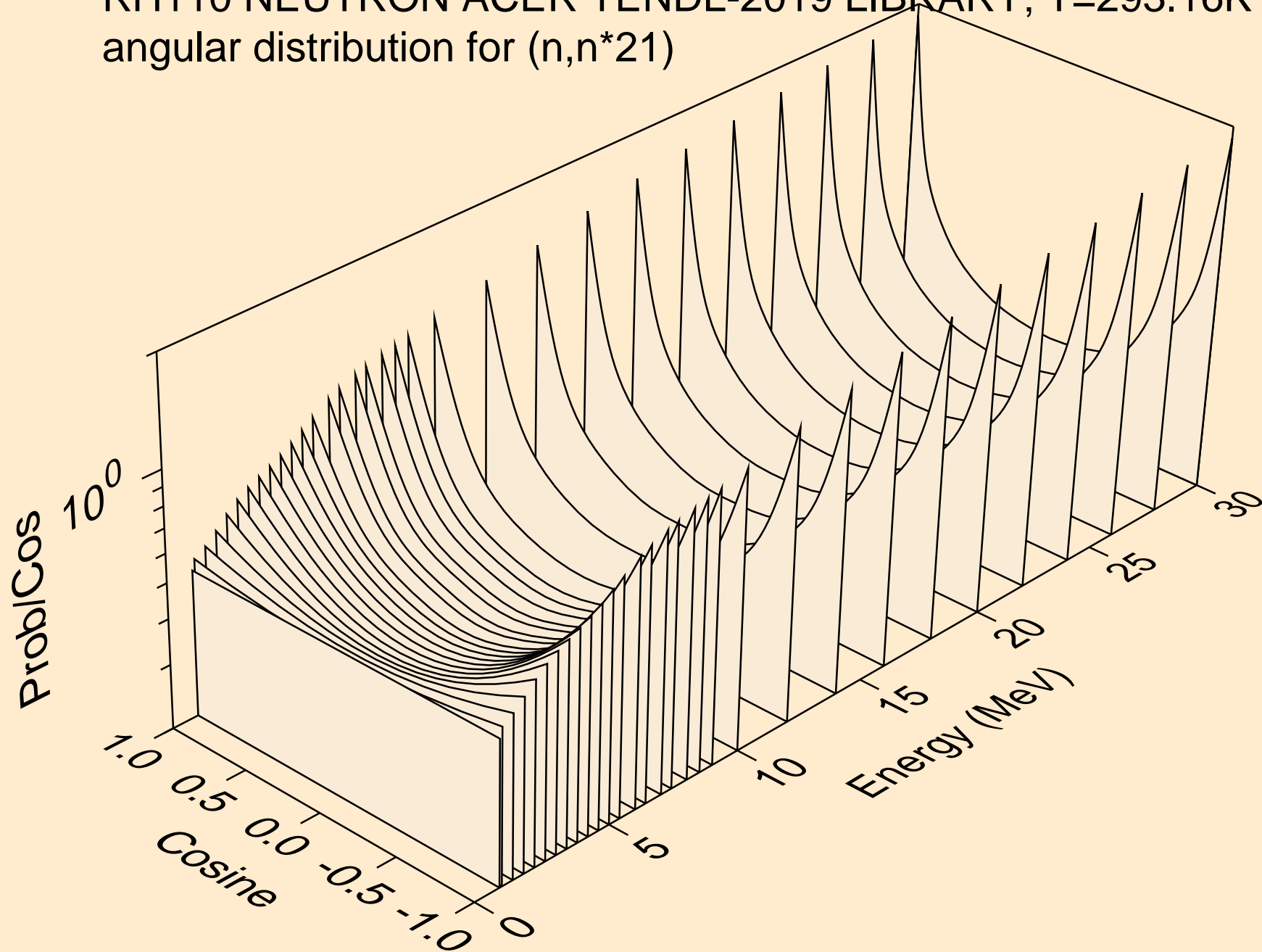


RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*20)

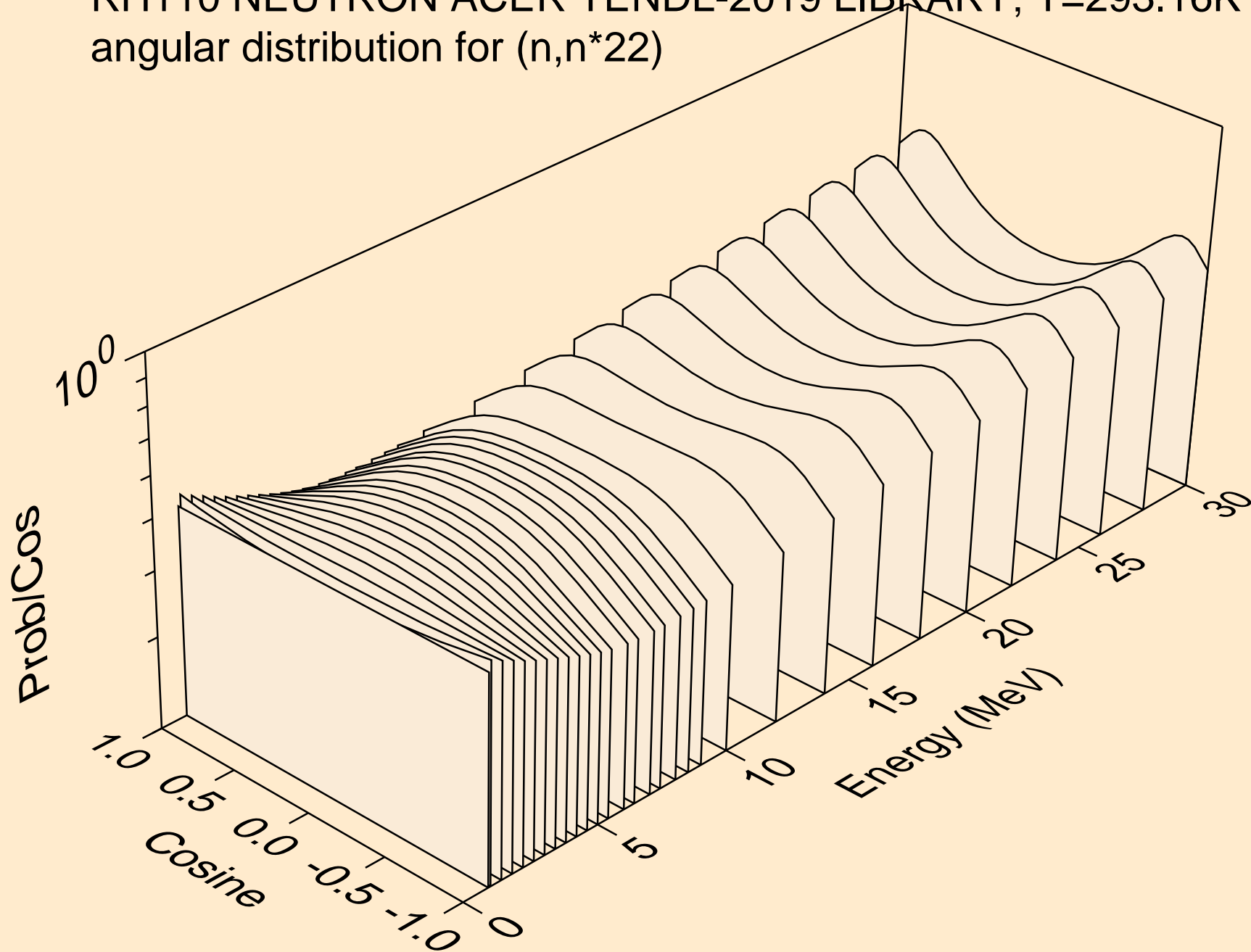




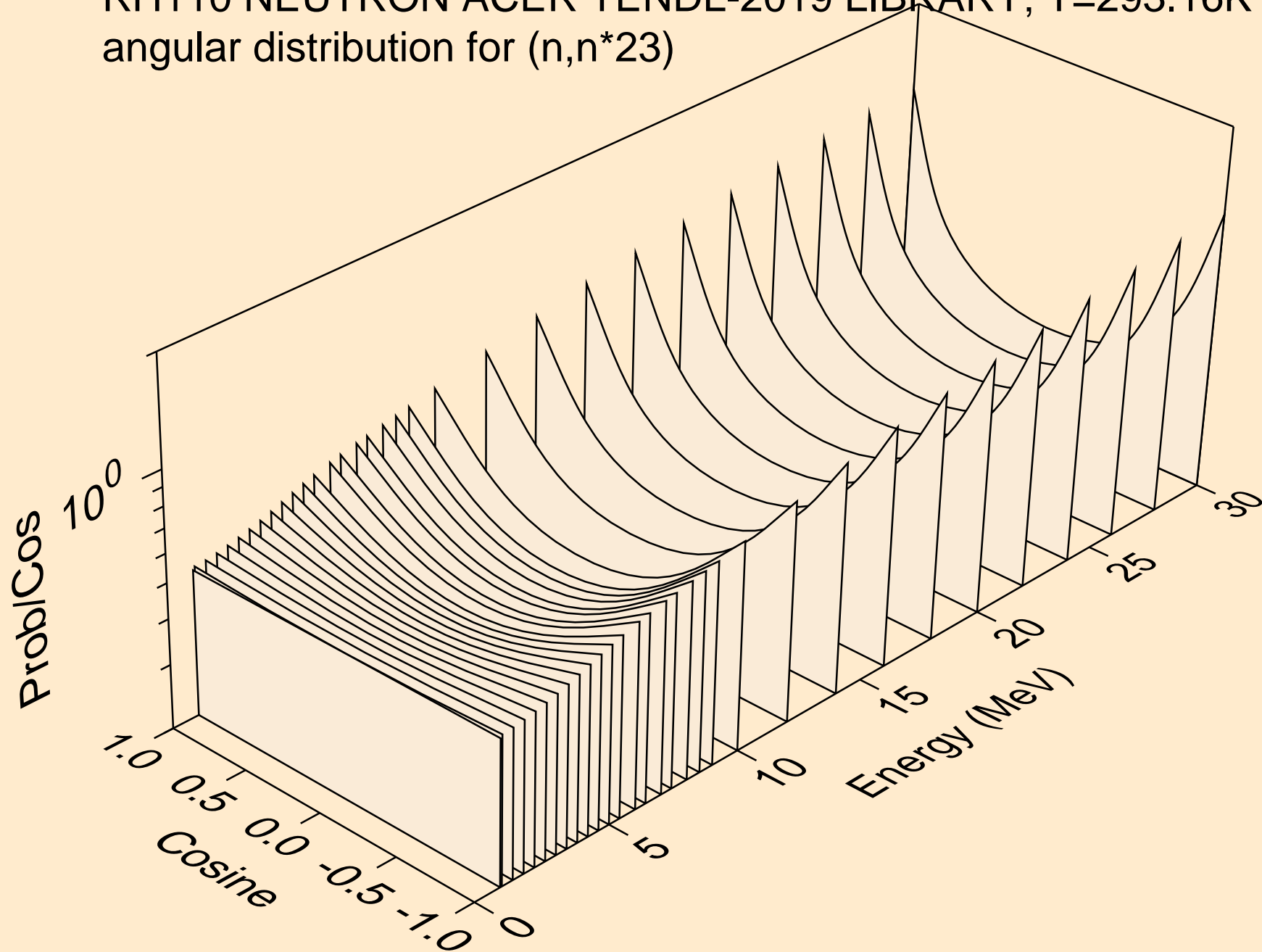
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angular distribution for (n,n\*21)



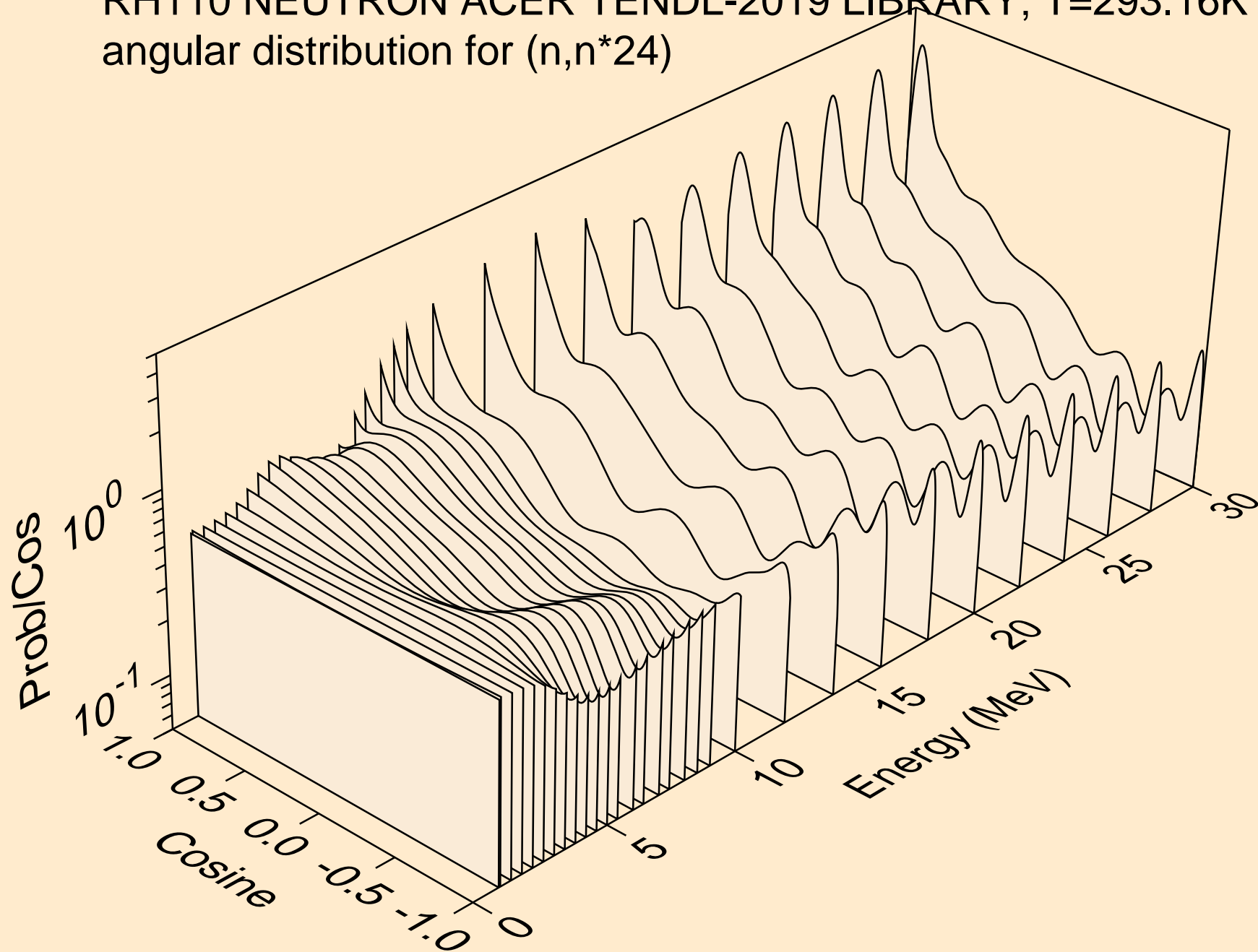
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angular distribution for (n,n\*22)



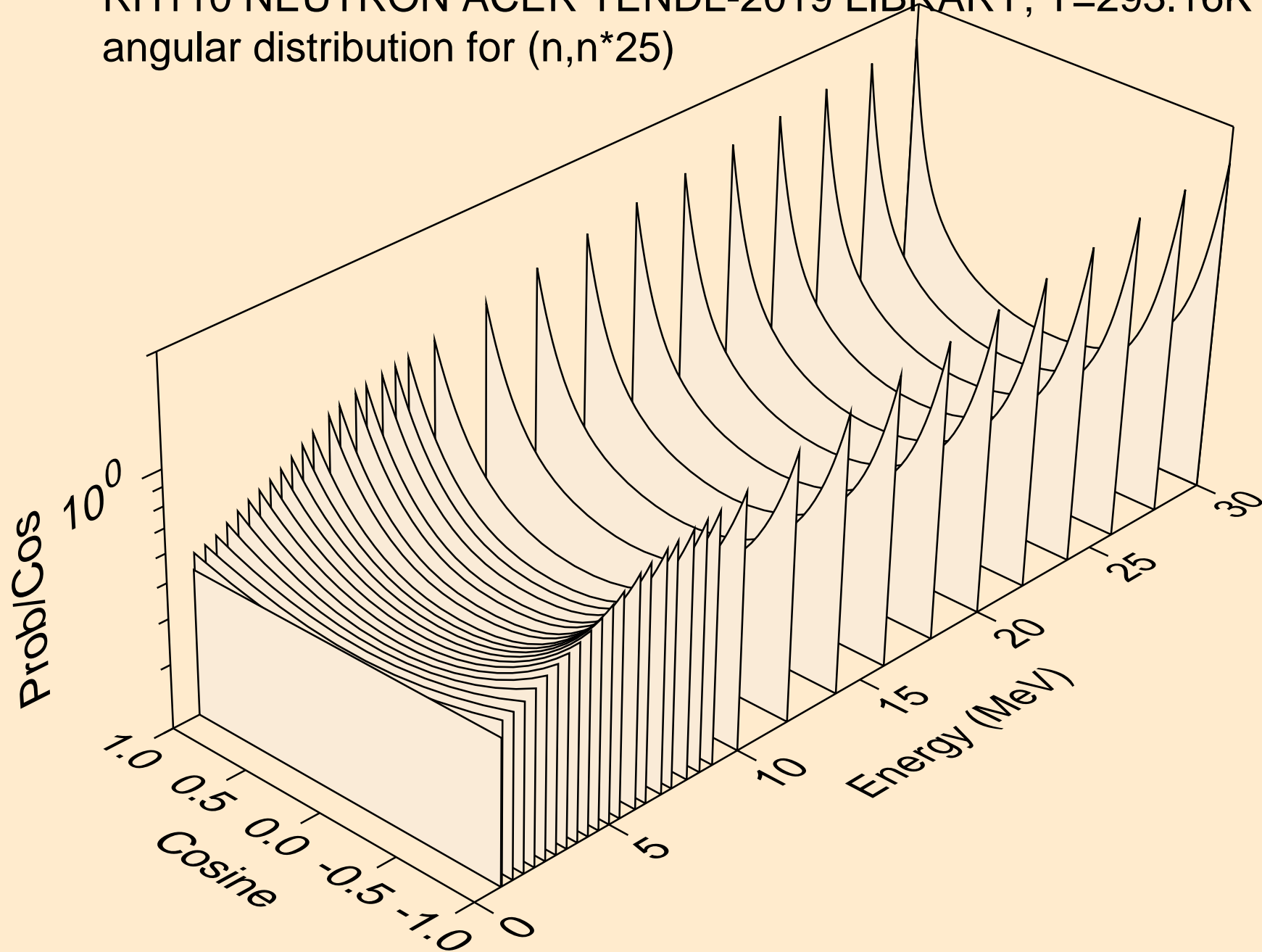
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angular distribution for (n,n\*23)



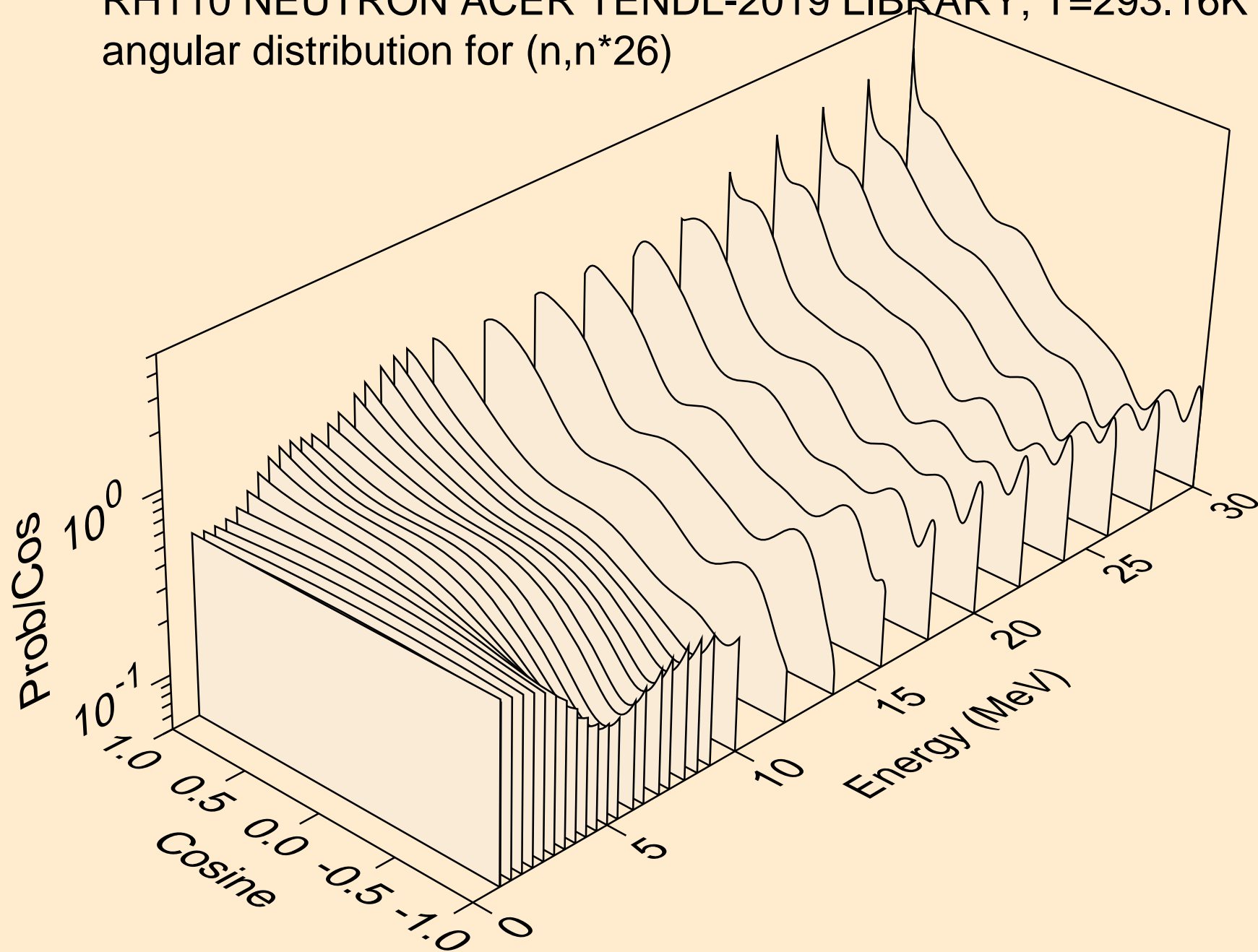
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angular distribution for (n,n\*24)



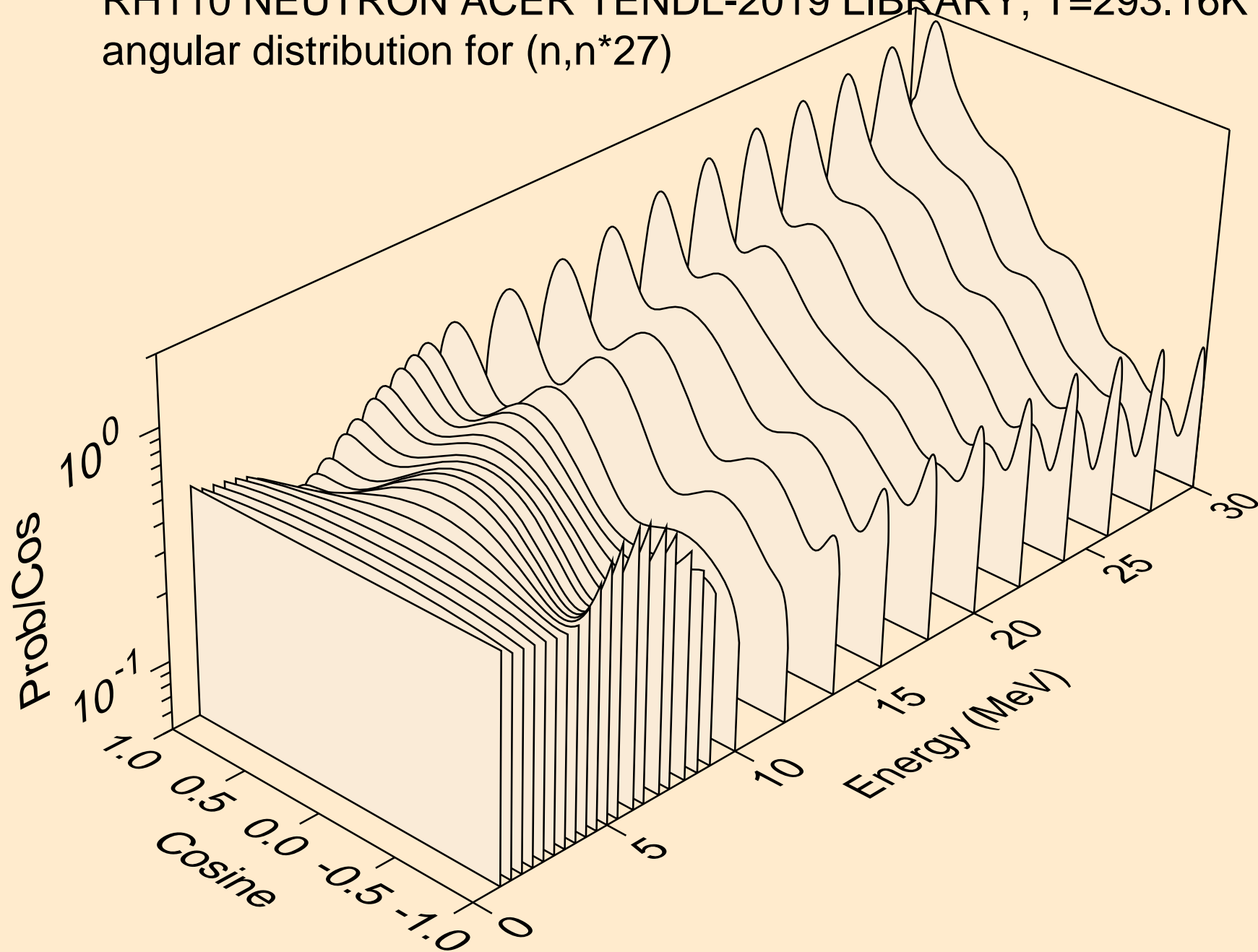
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angular distribution for (n,n\*25)



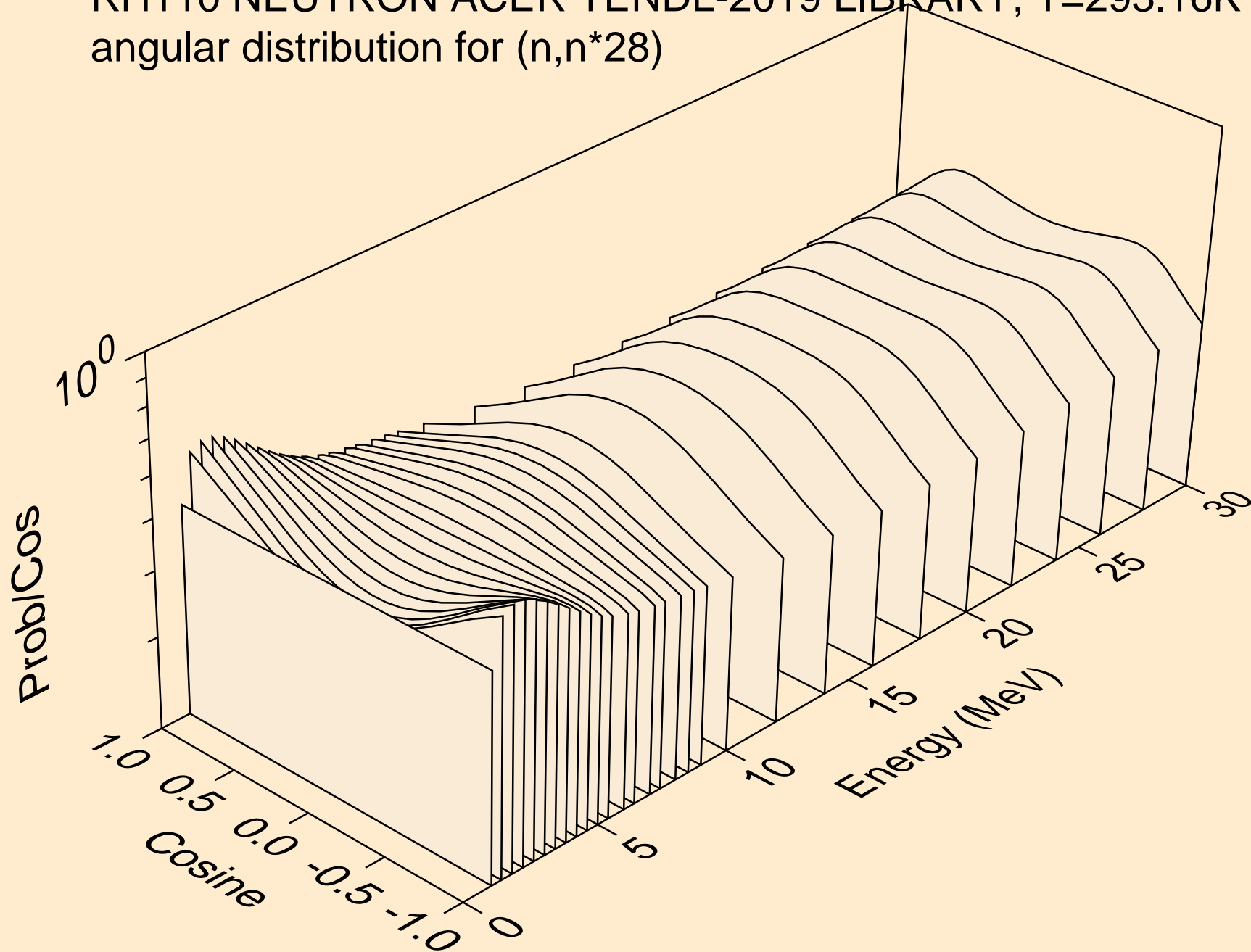
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*26)



RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*27)

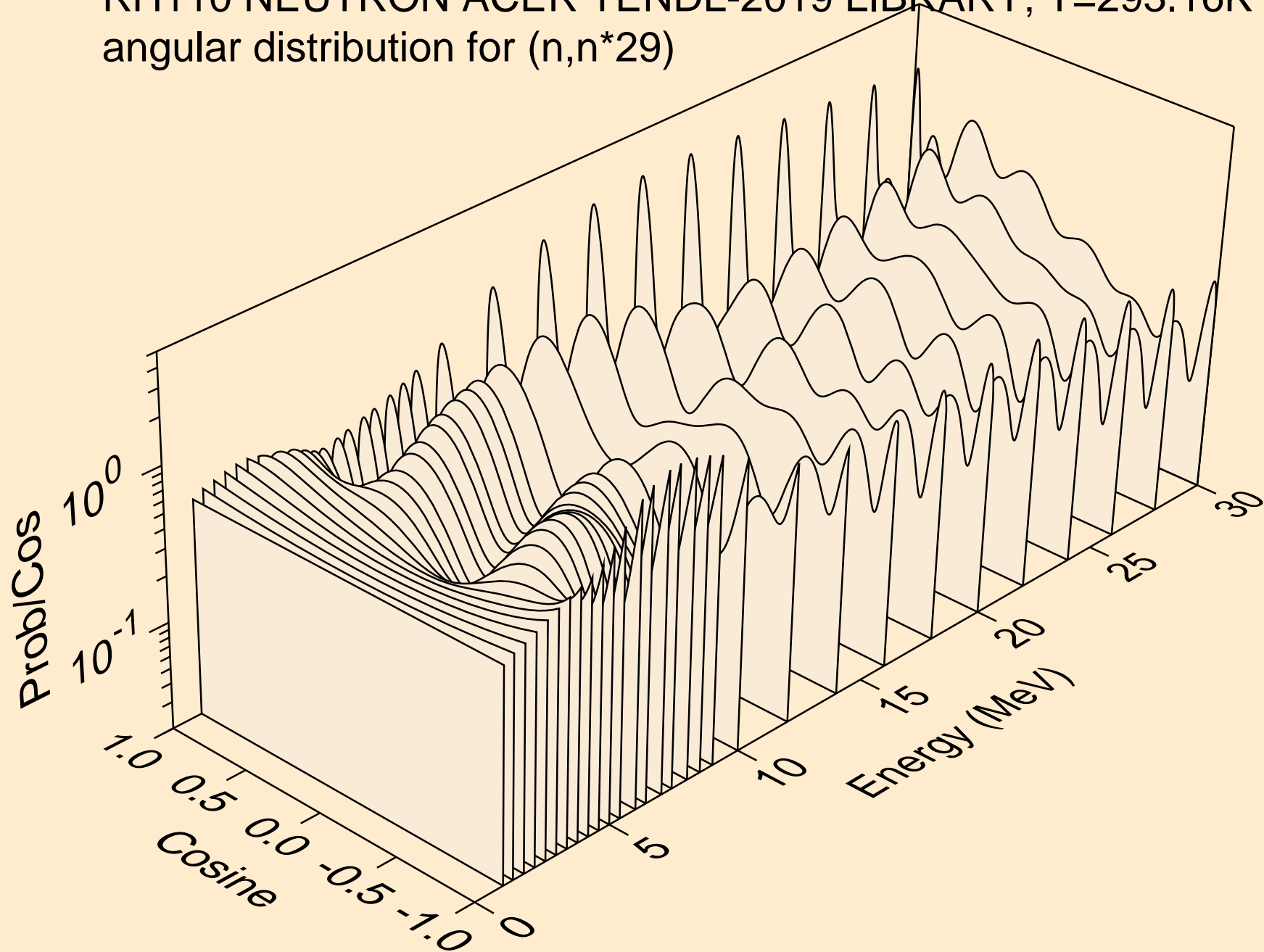


RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*28)

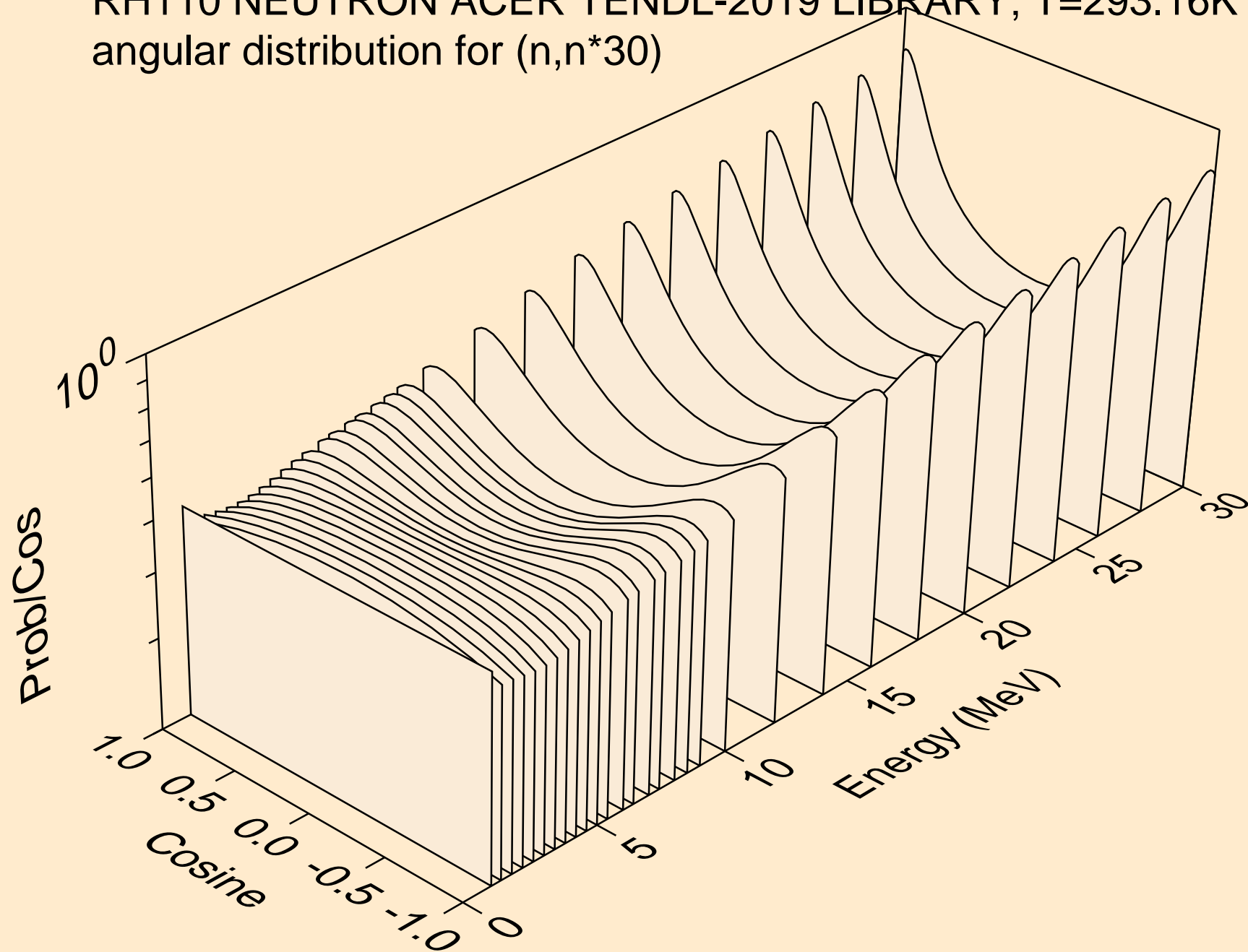




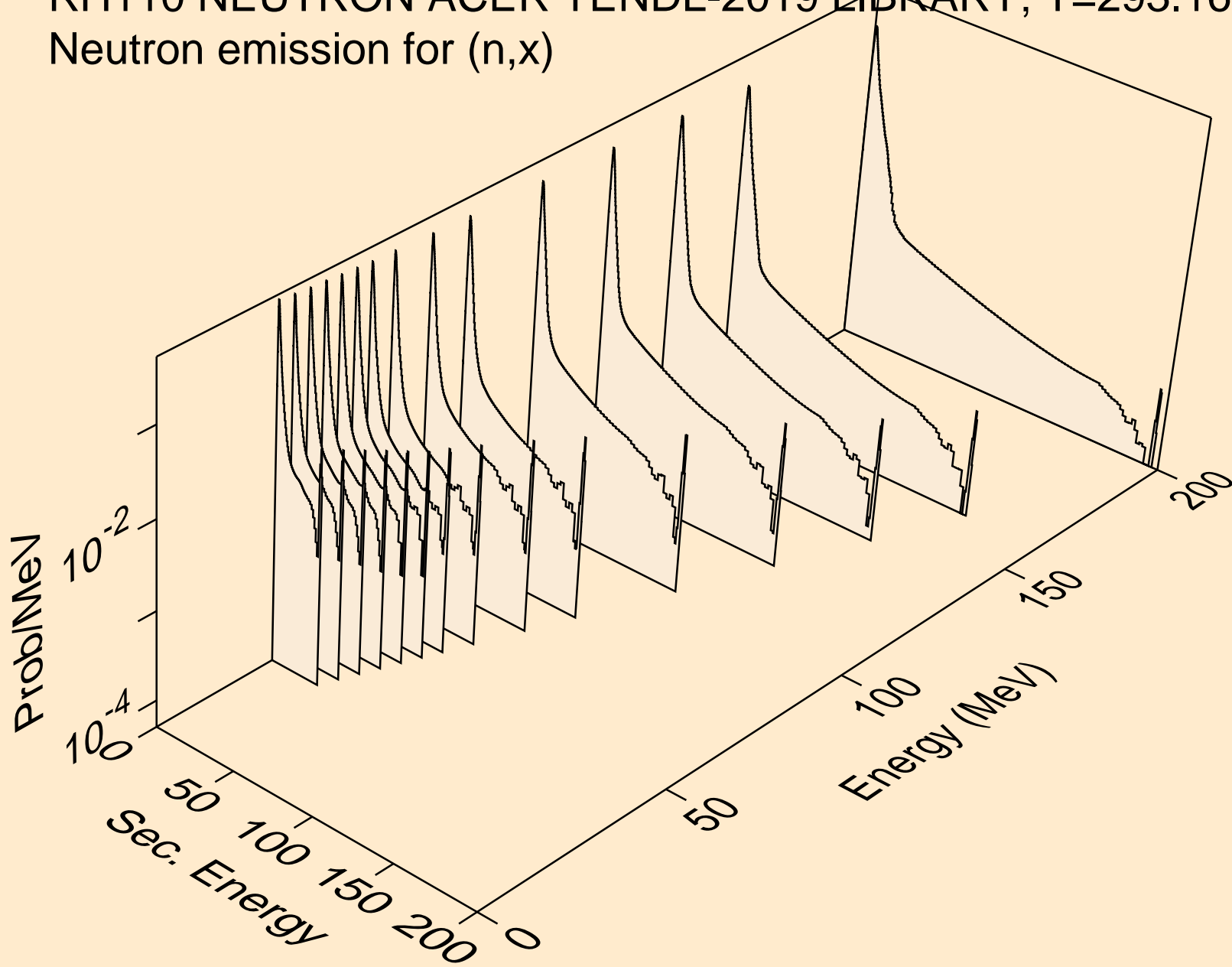
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angular distribution for (n,n\*29)



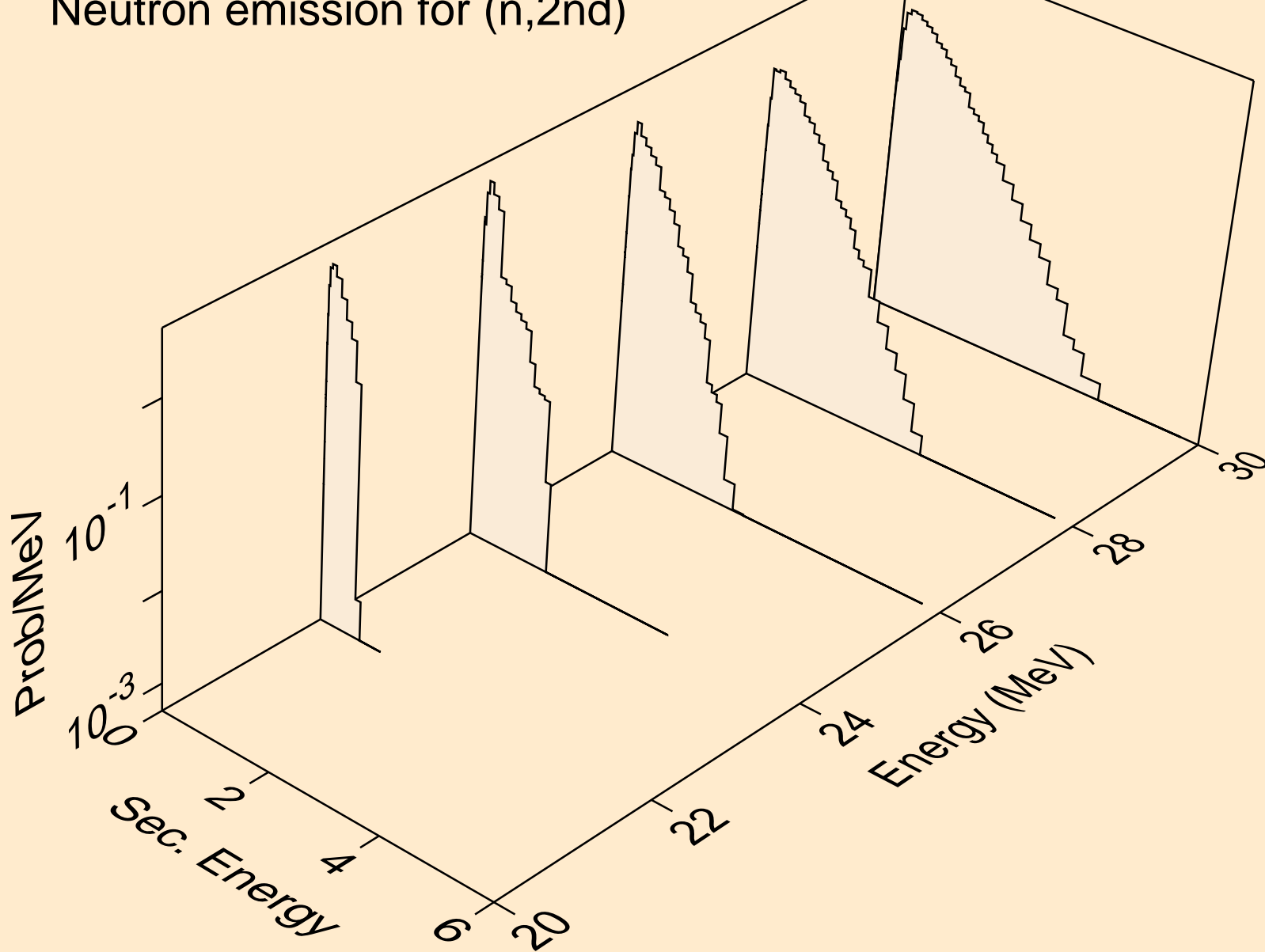
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*30)



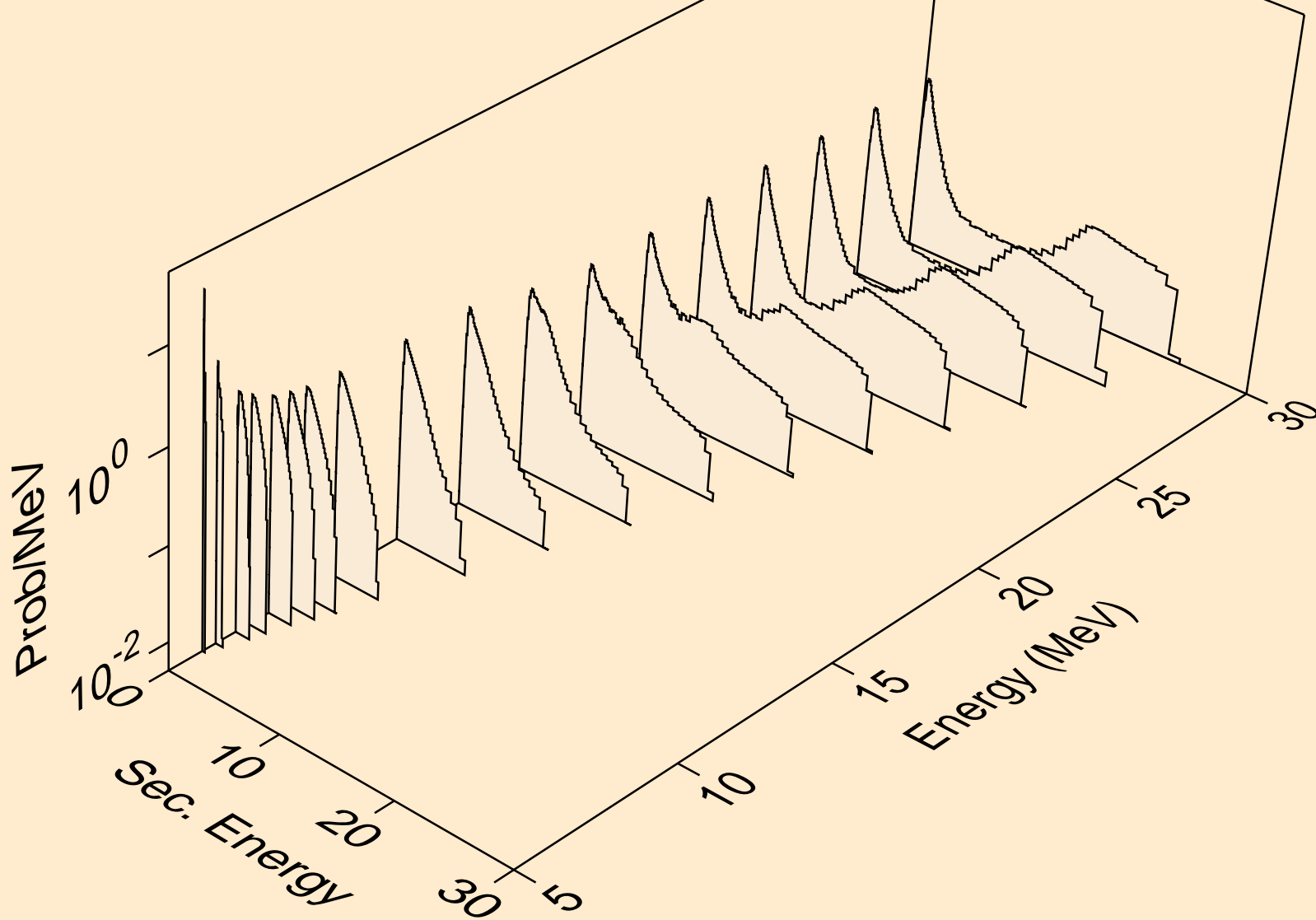
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



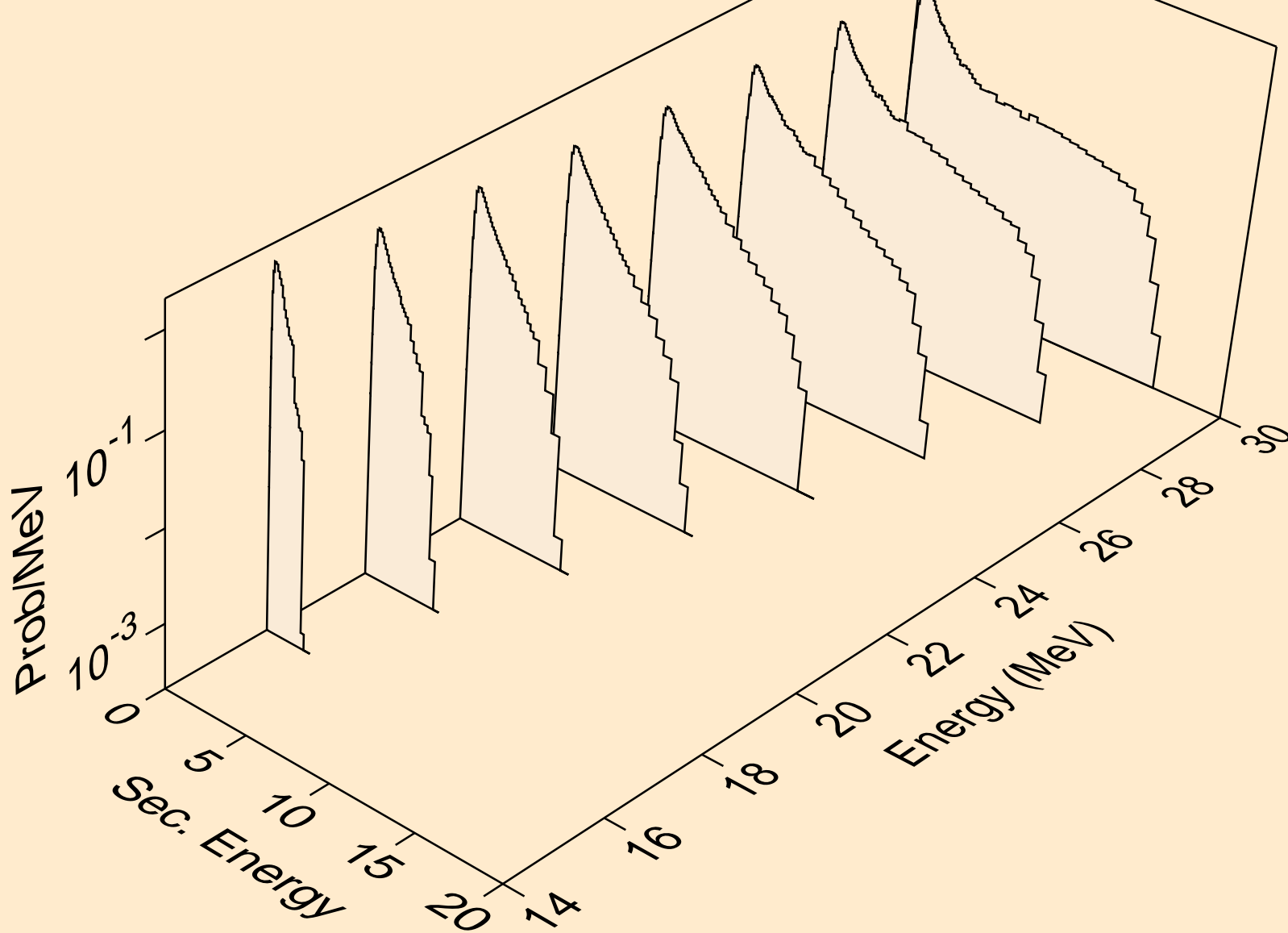
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



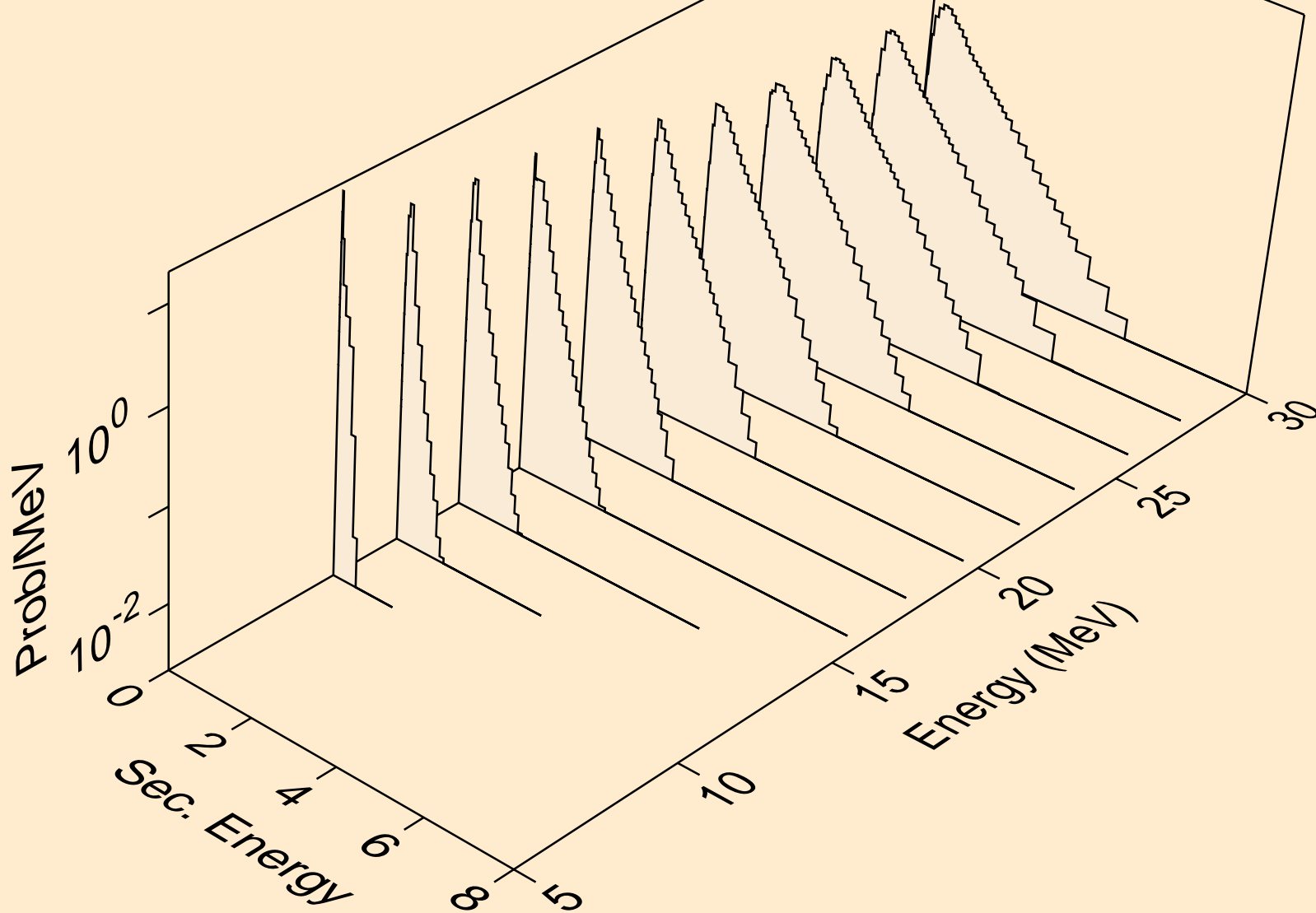
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



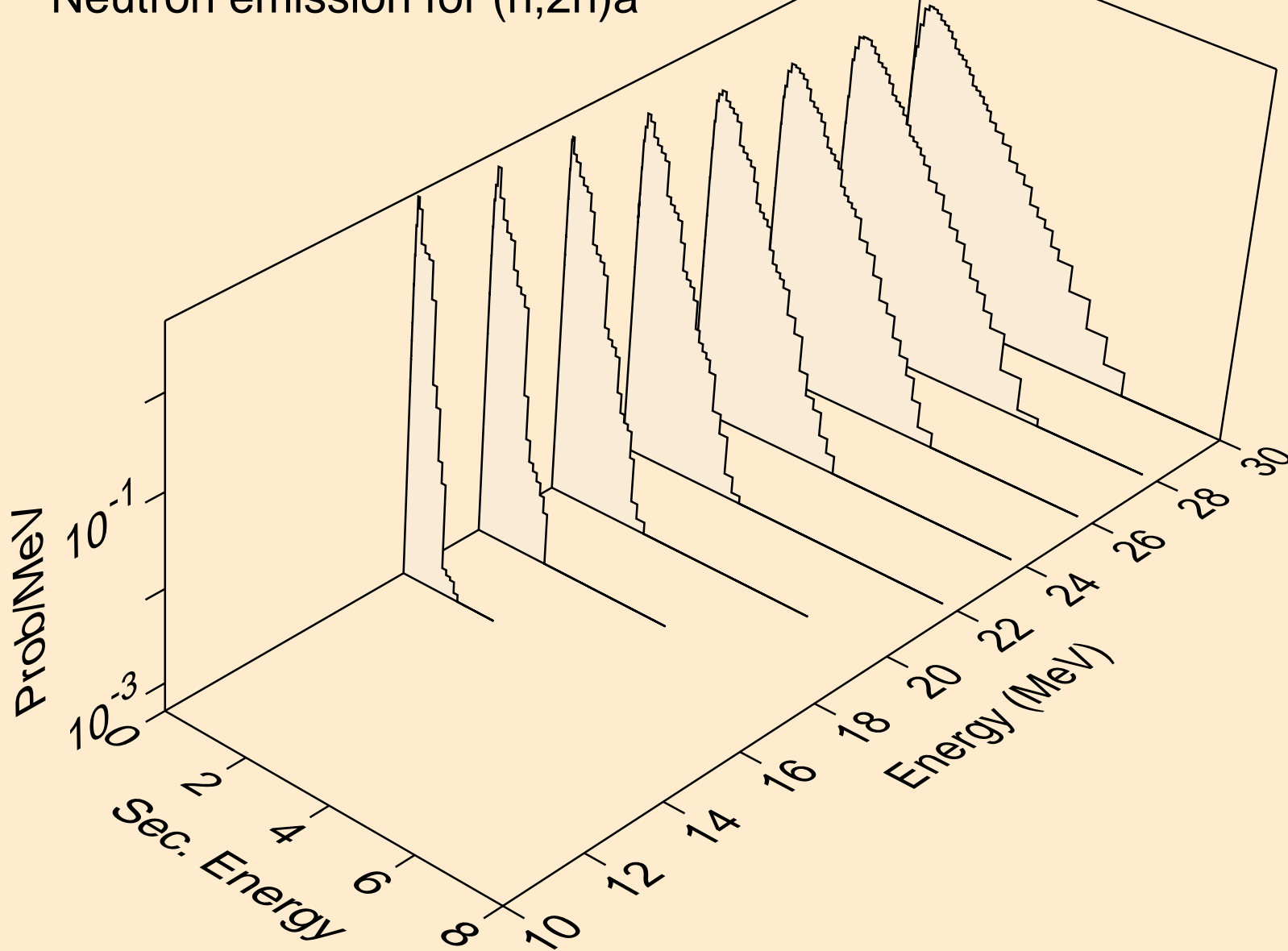
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a

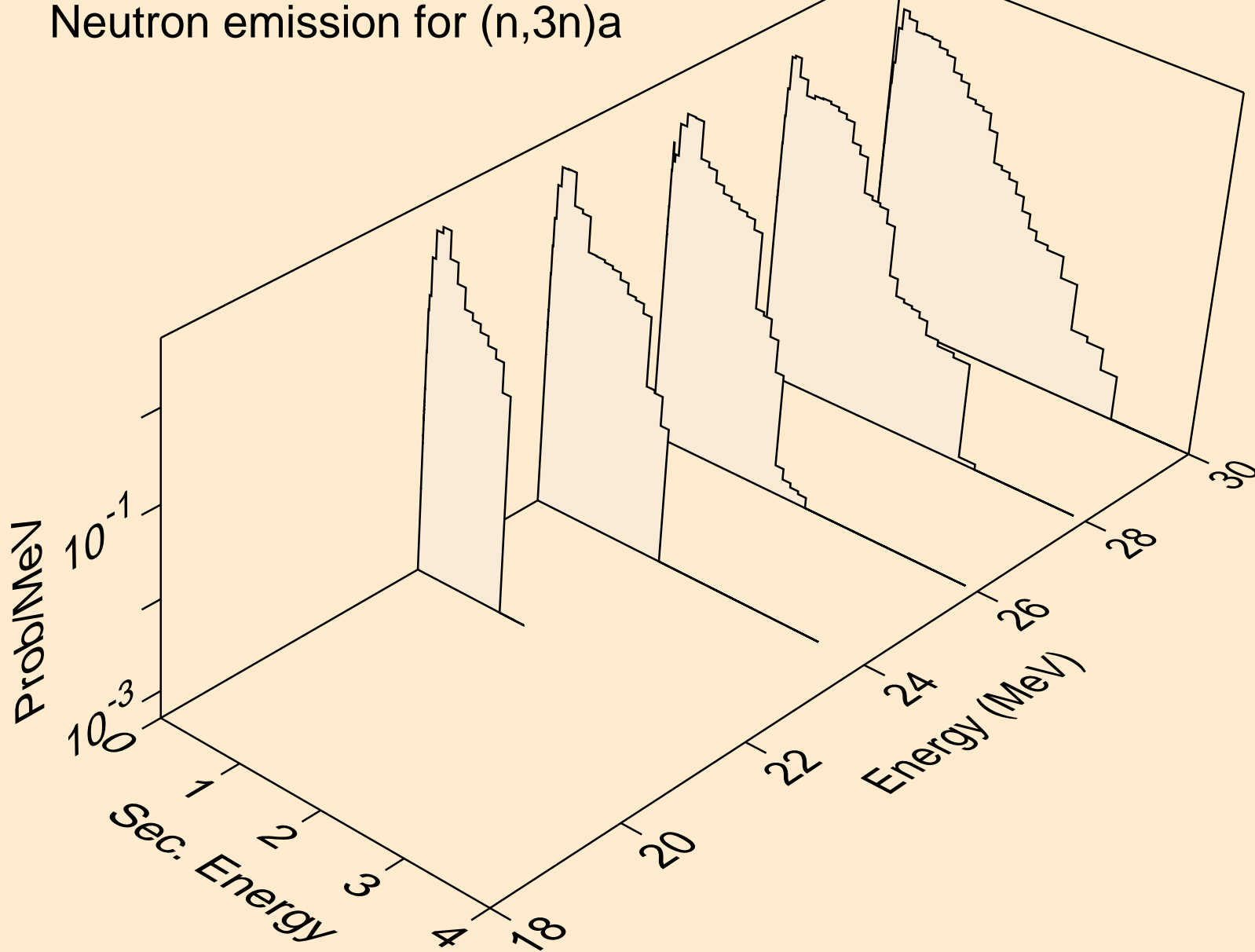


RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a

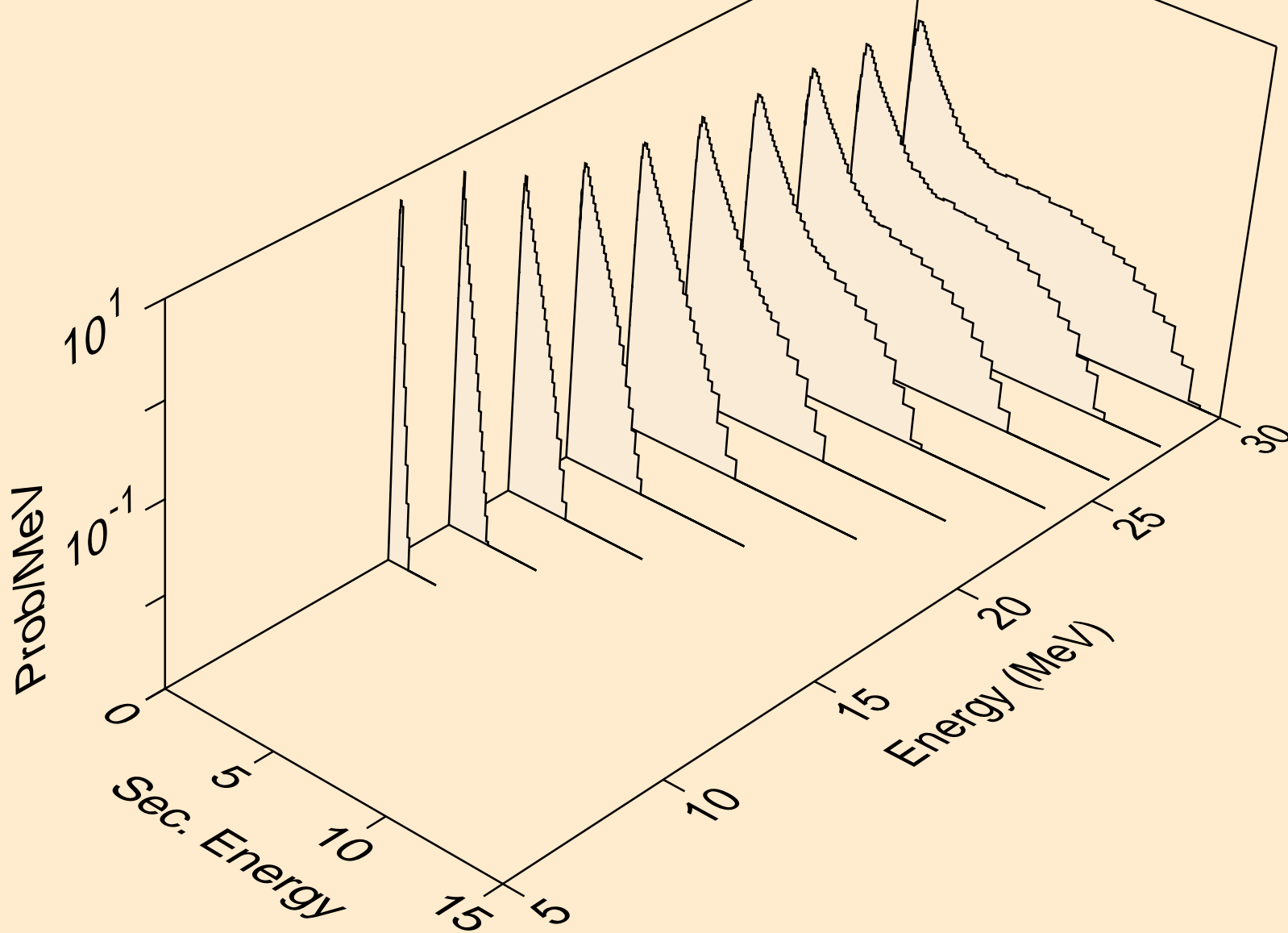




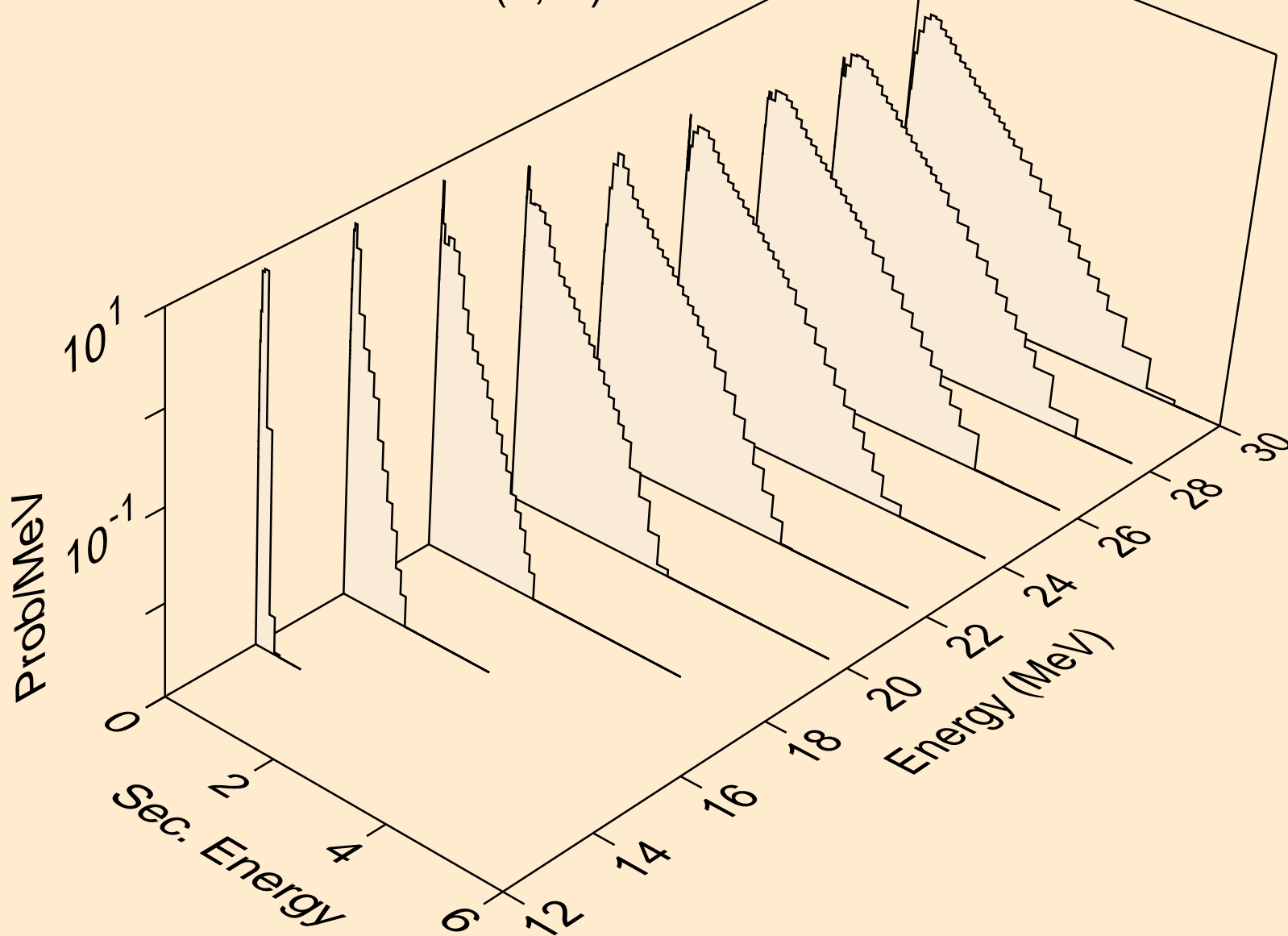
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



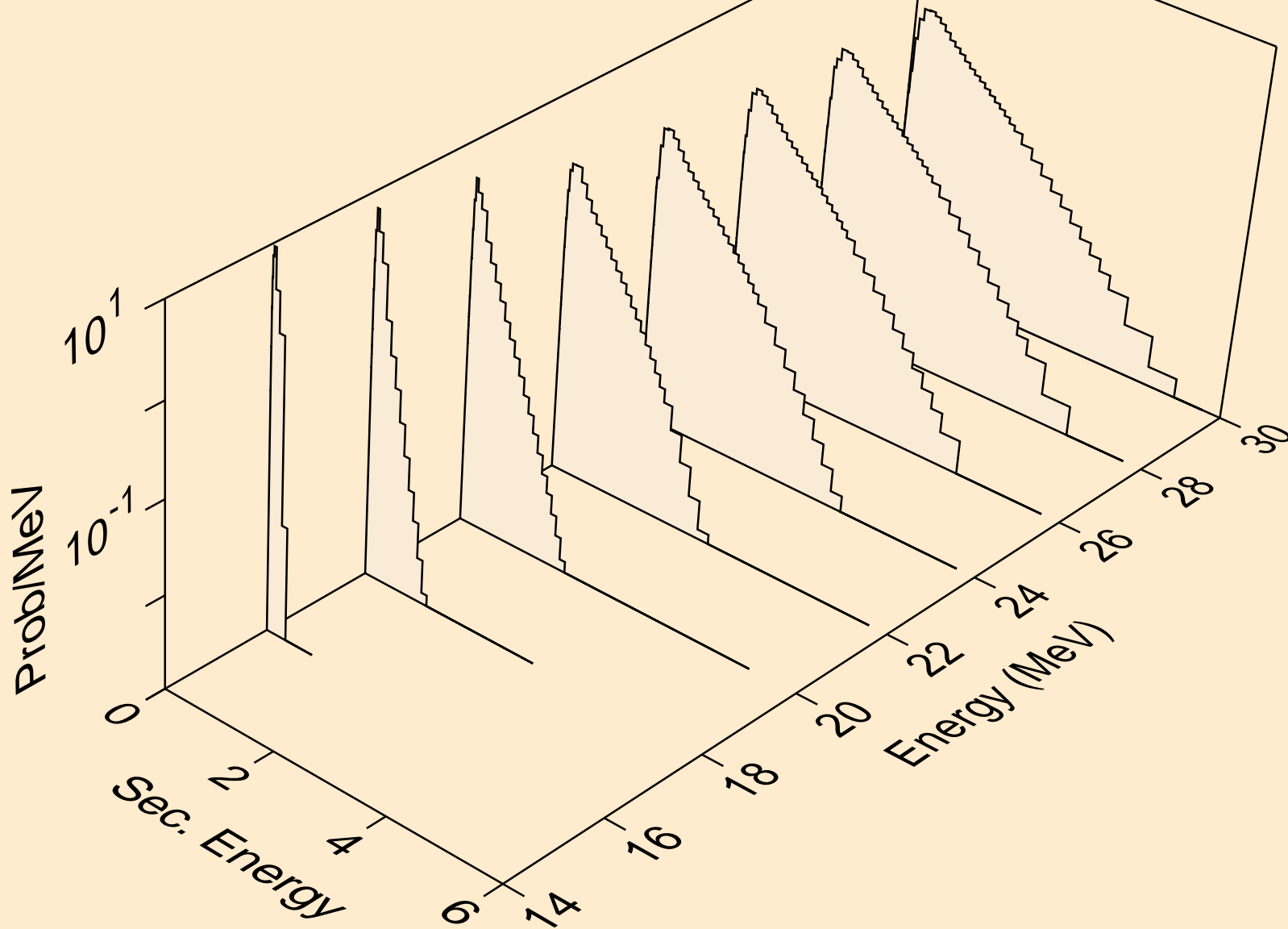
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Neutron emission for (n,n\*)p



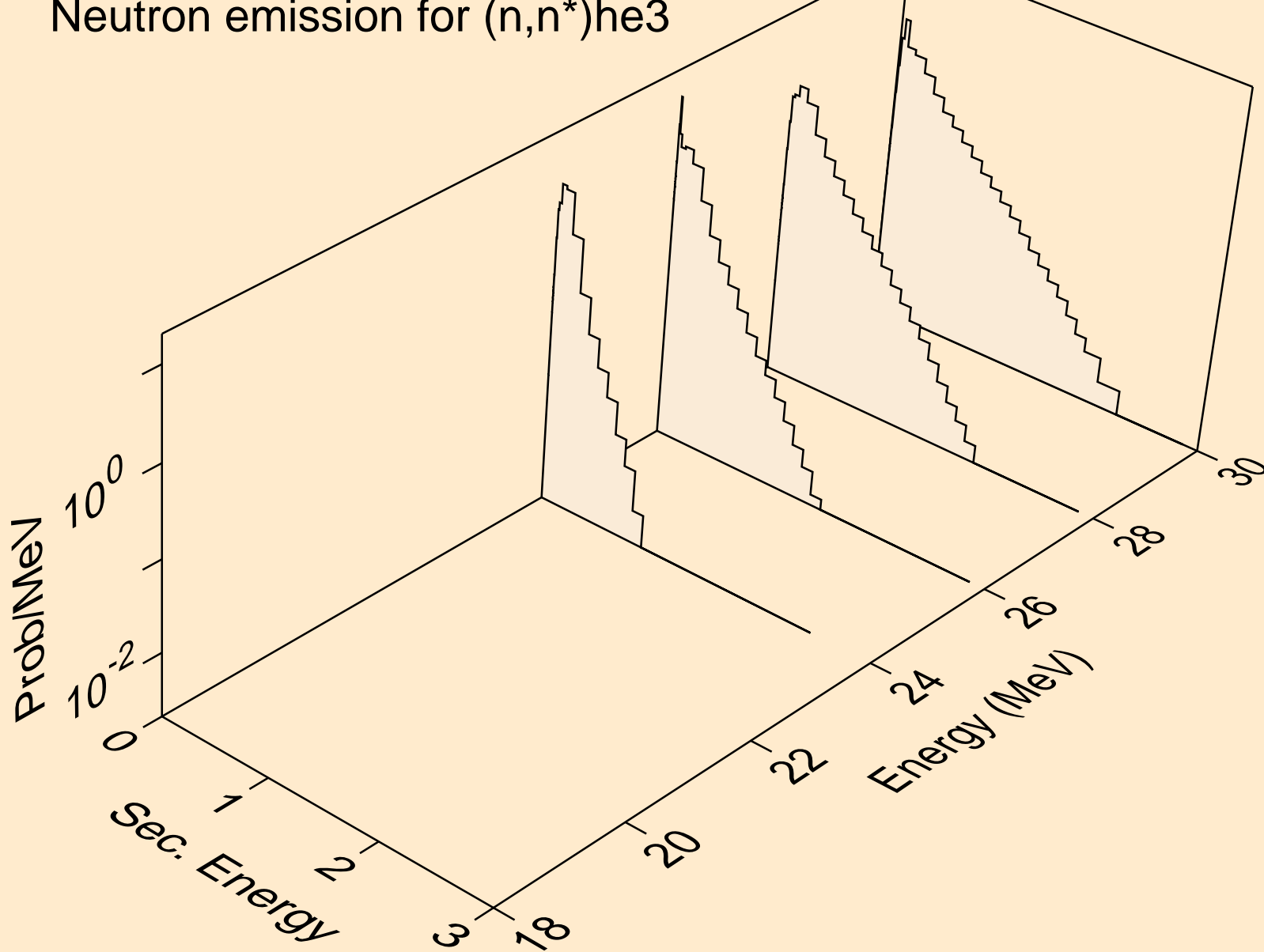
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



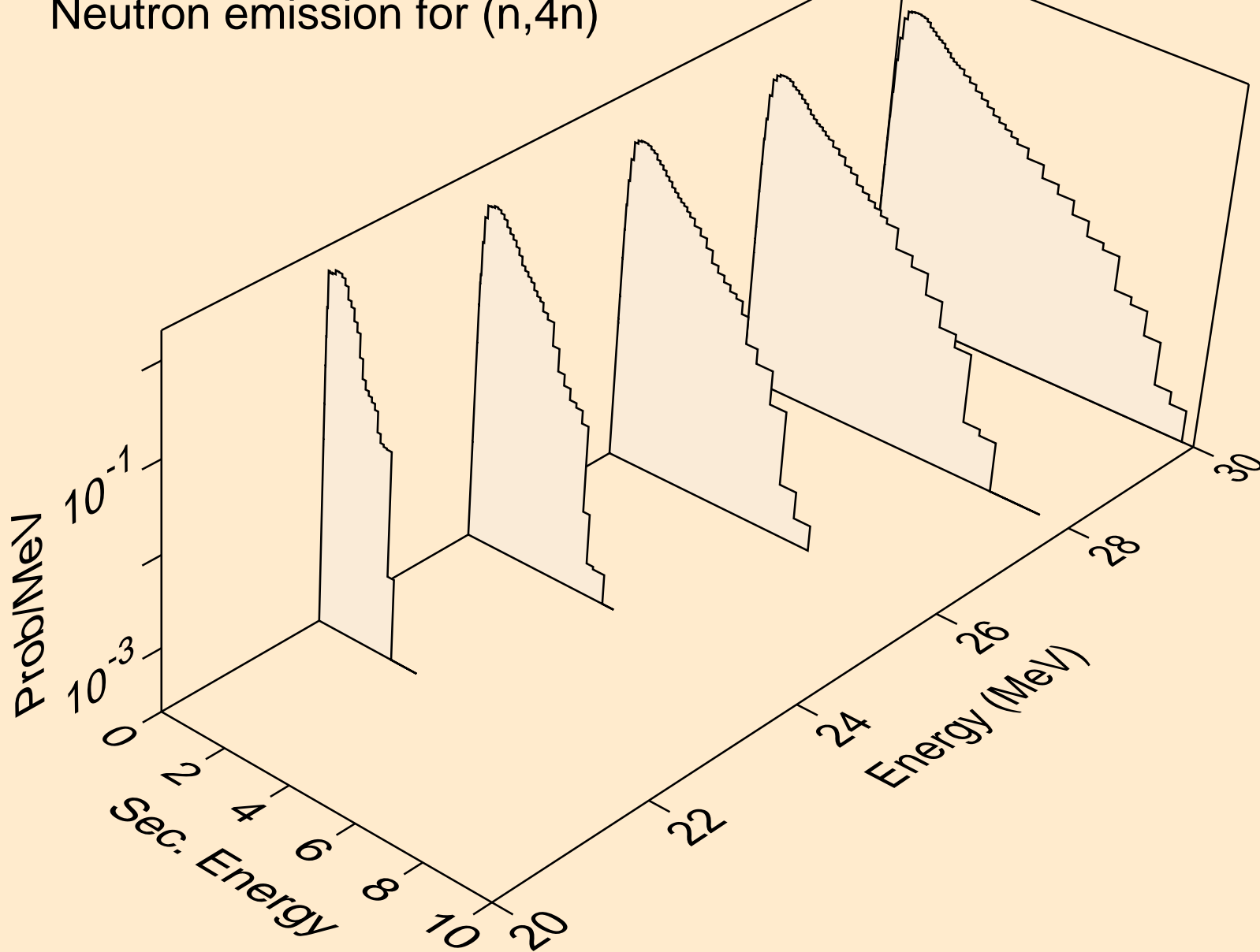
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



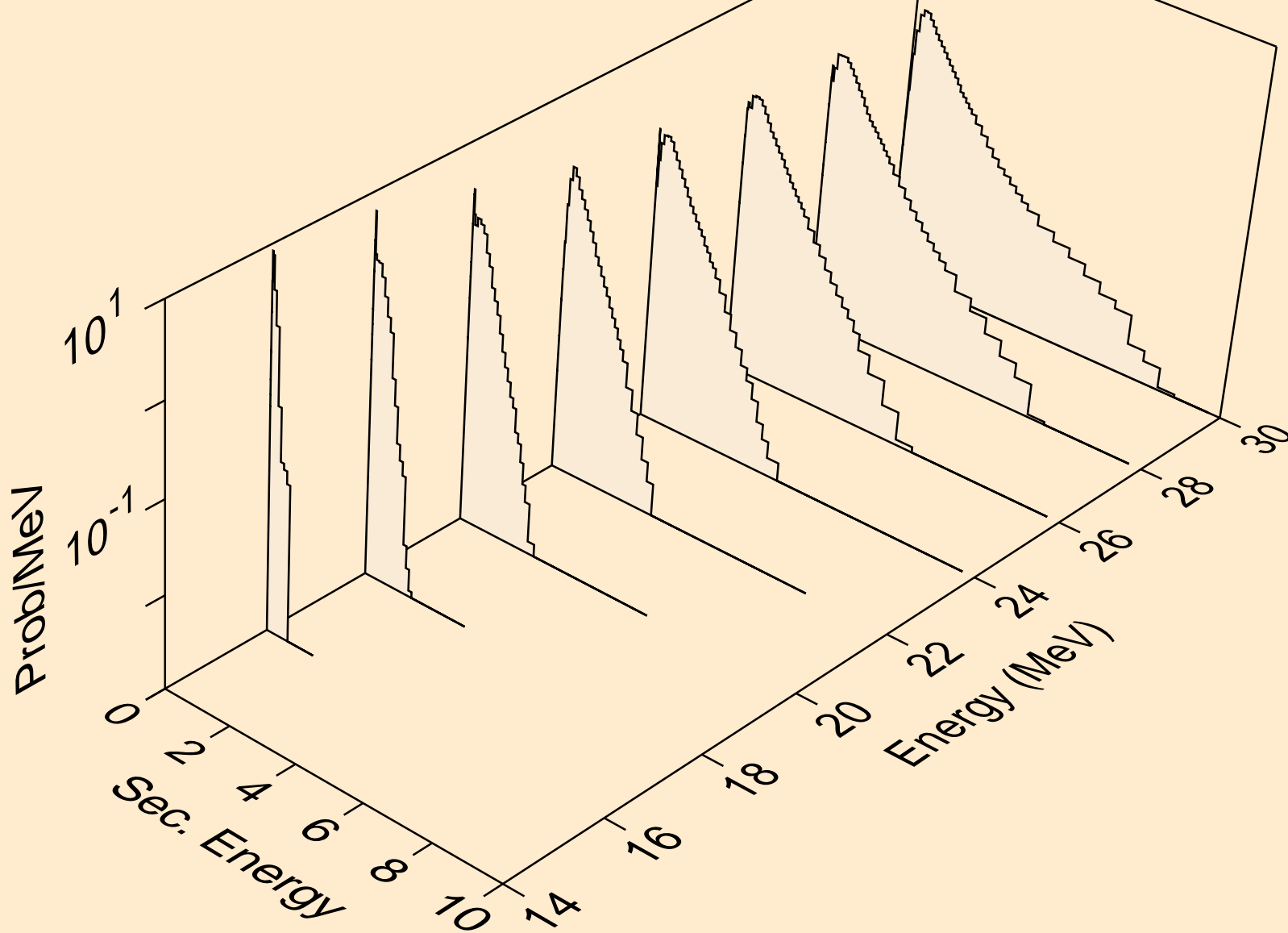
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



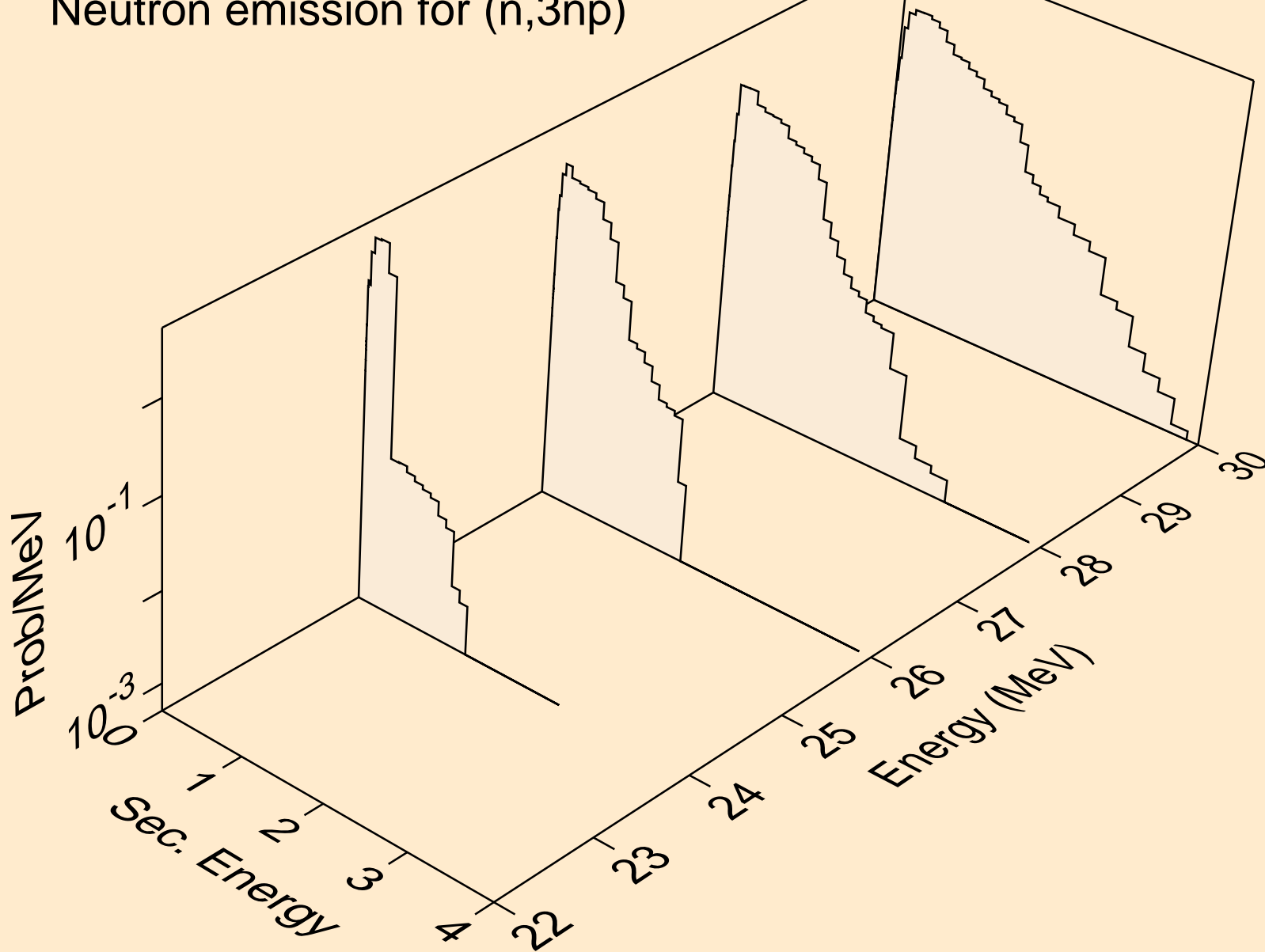
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)



RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)

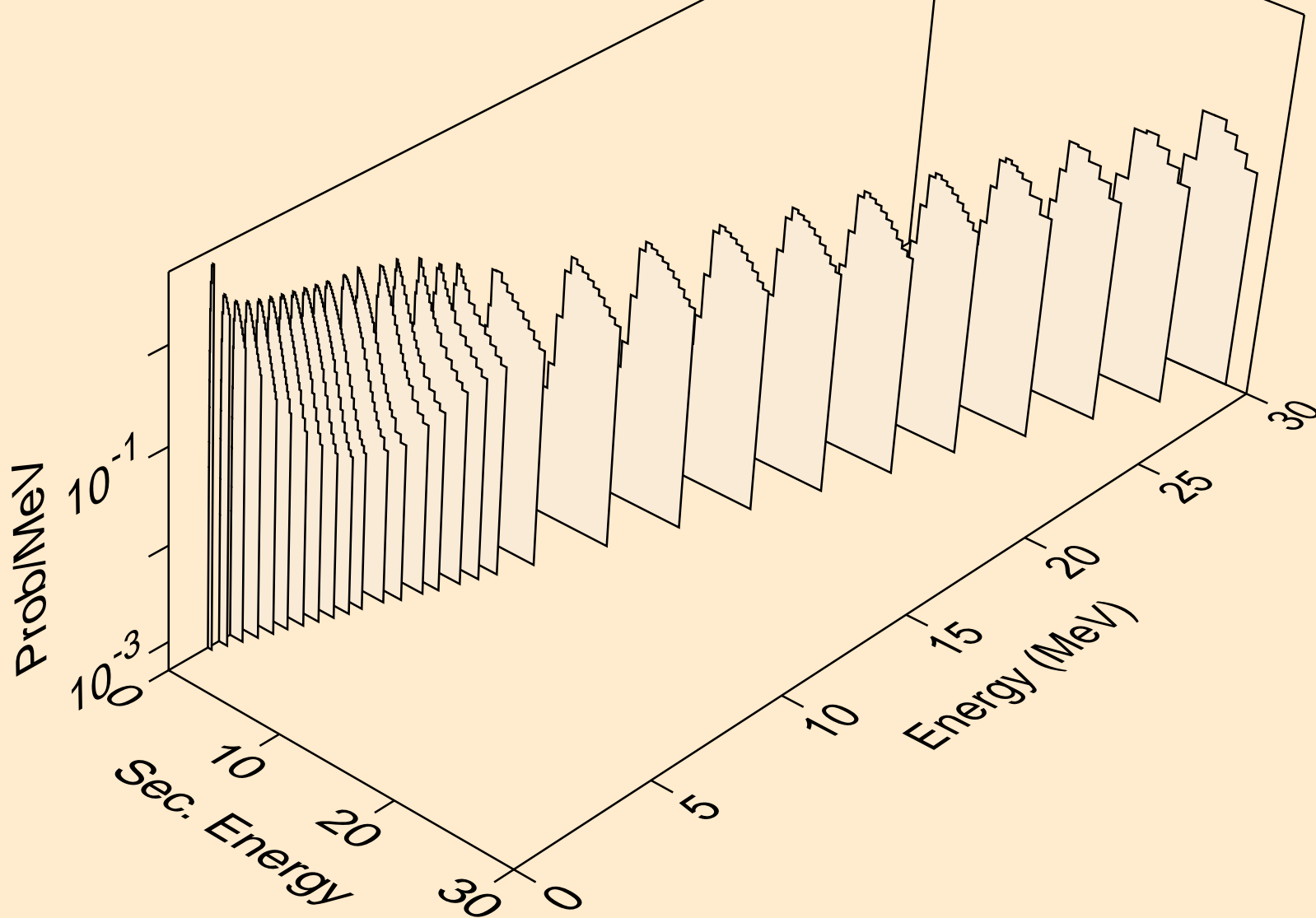


RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)

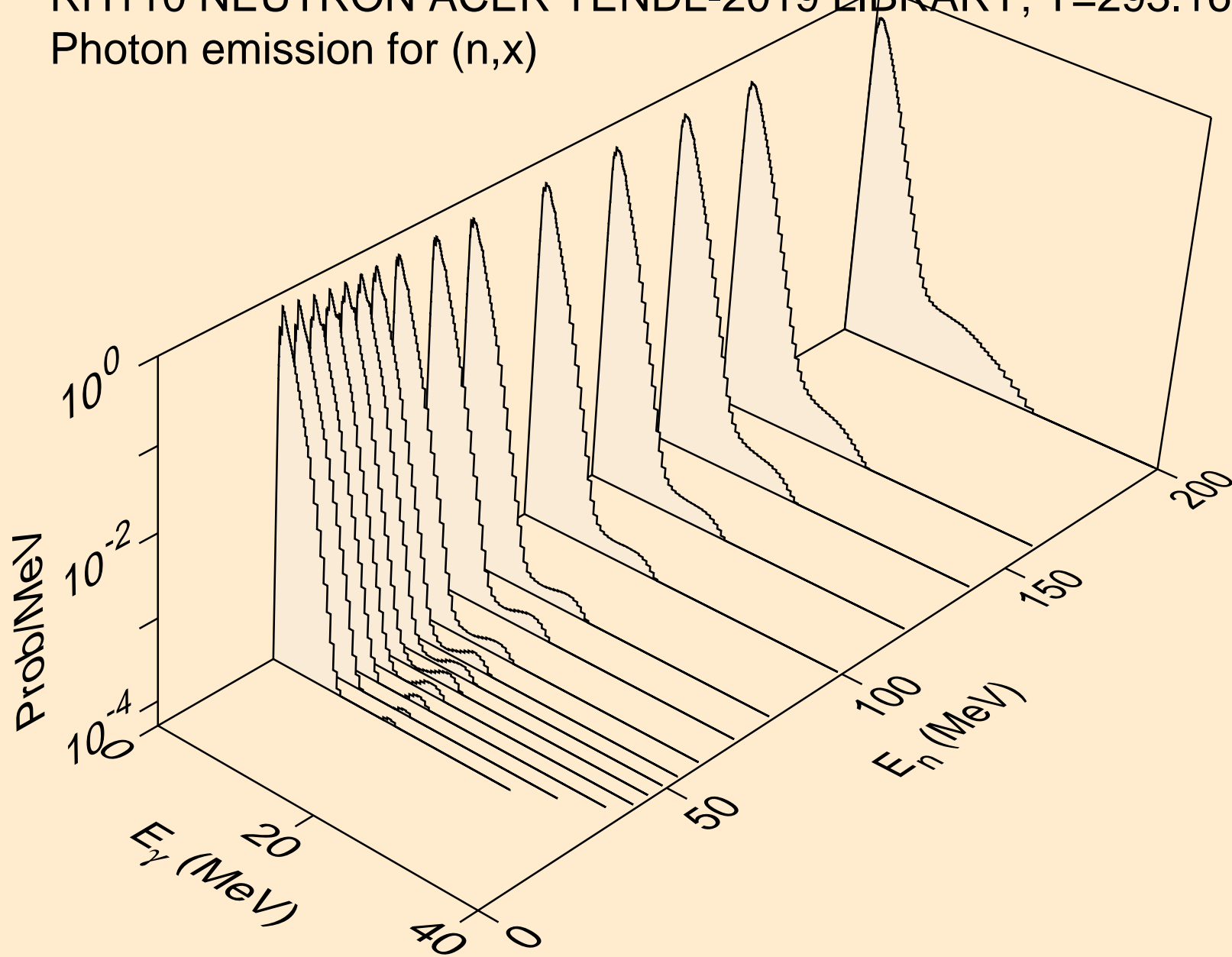




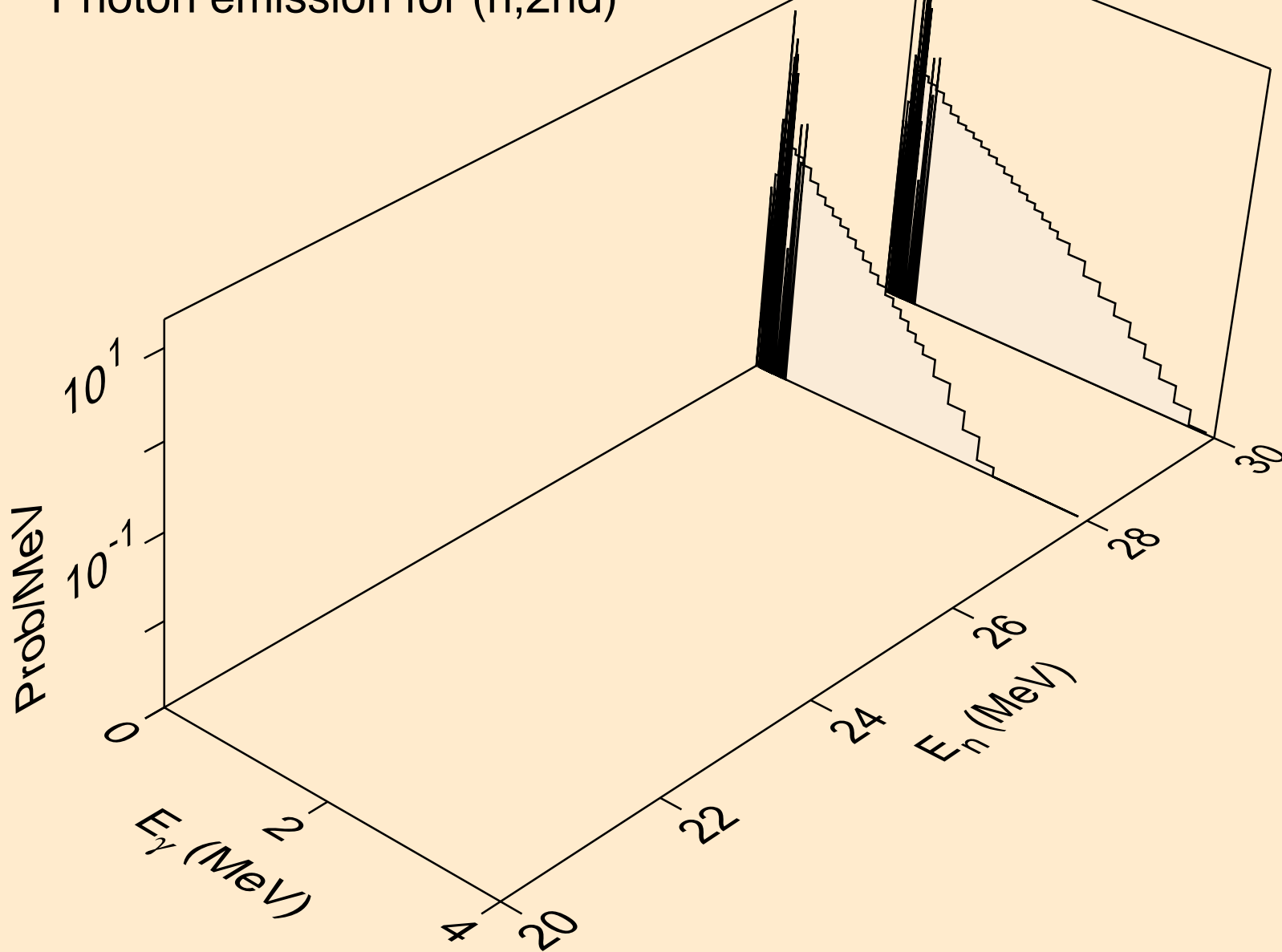
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



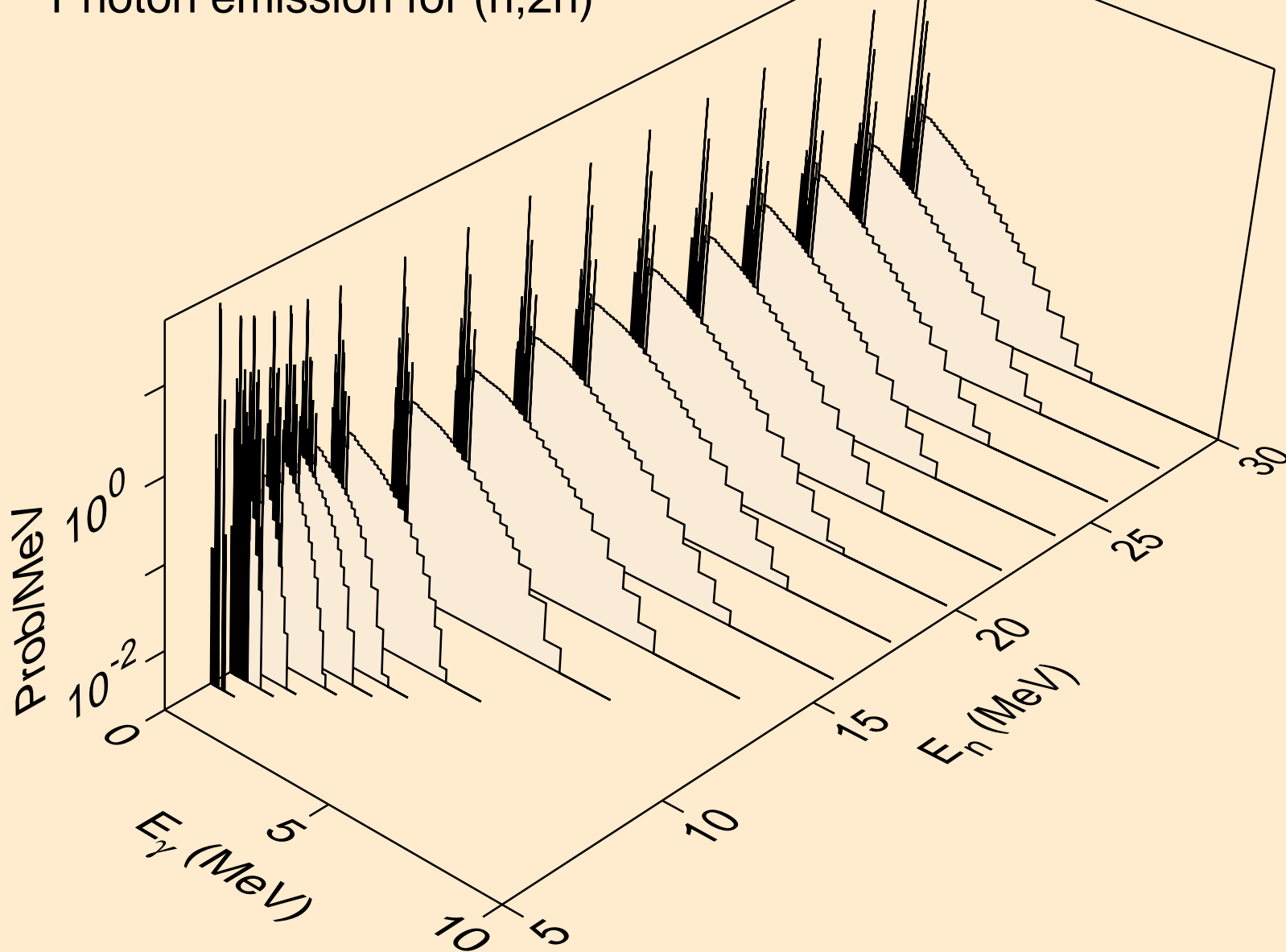
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



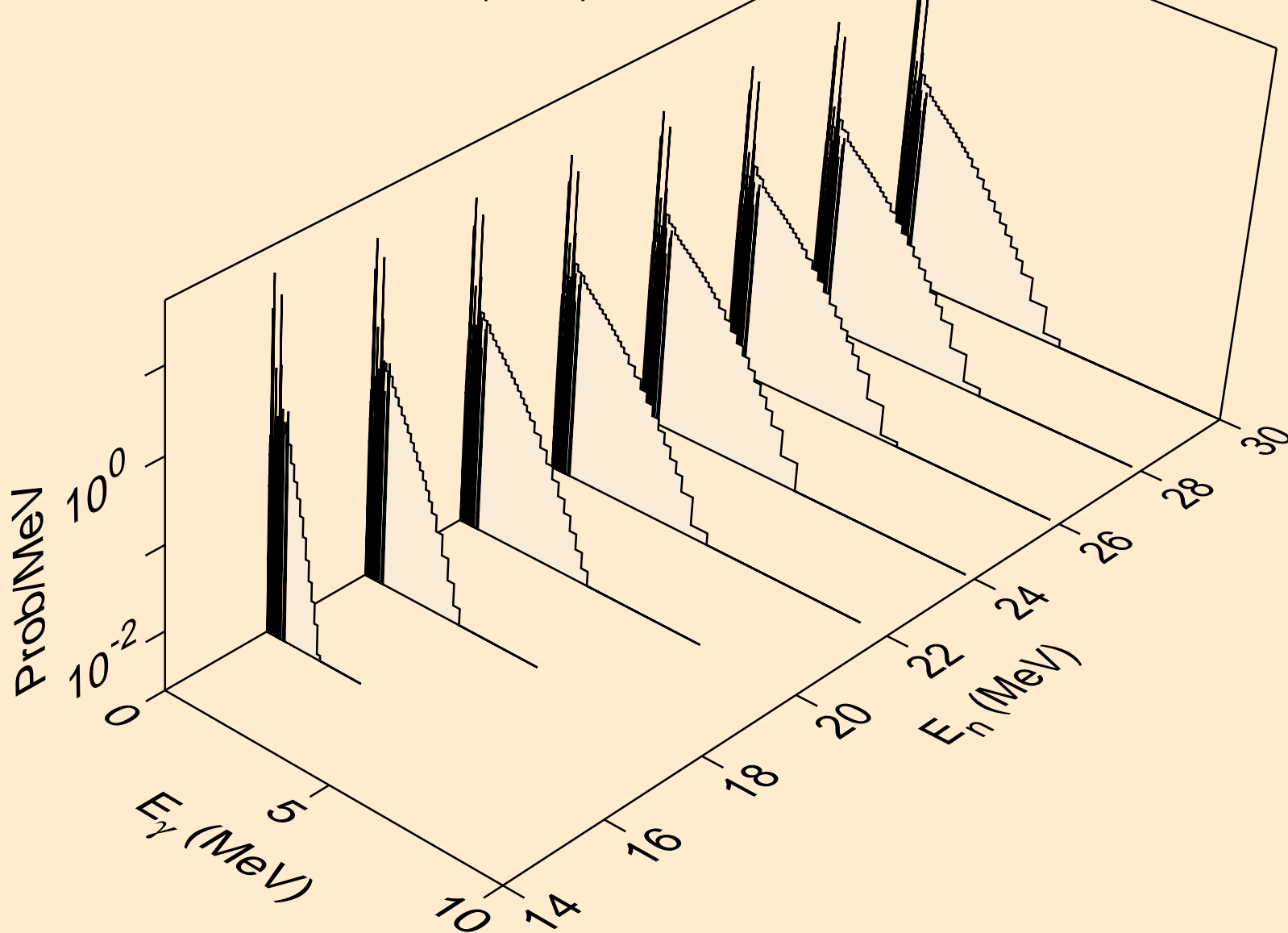
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)



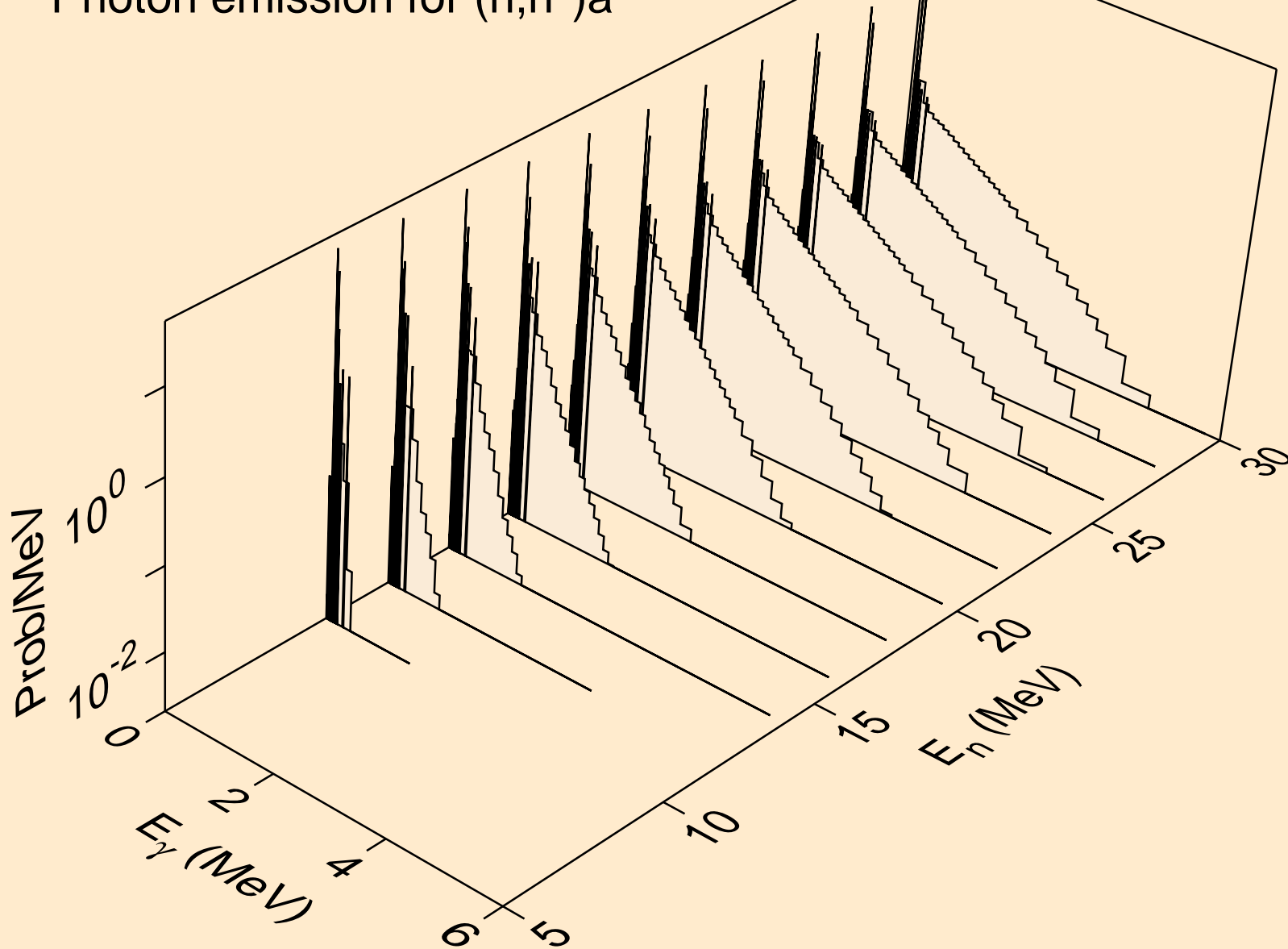
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)



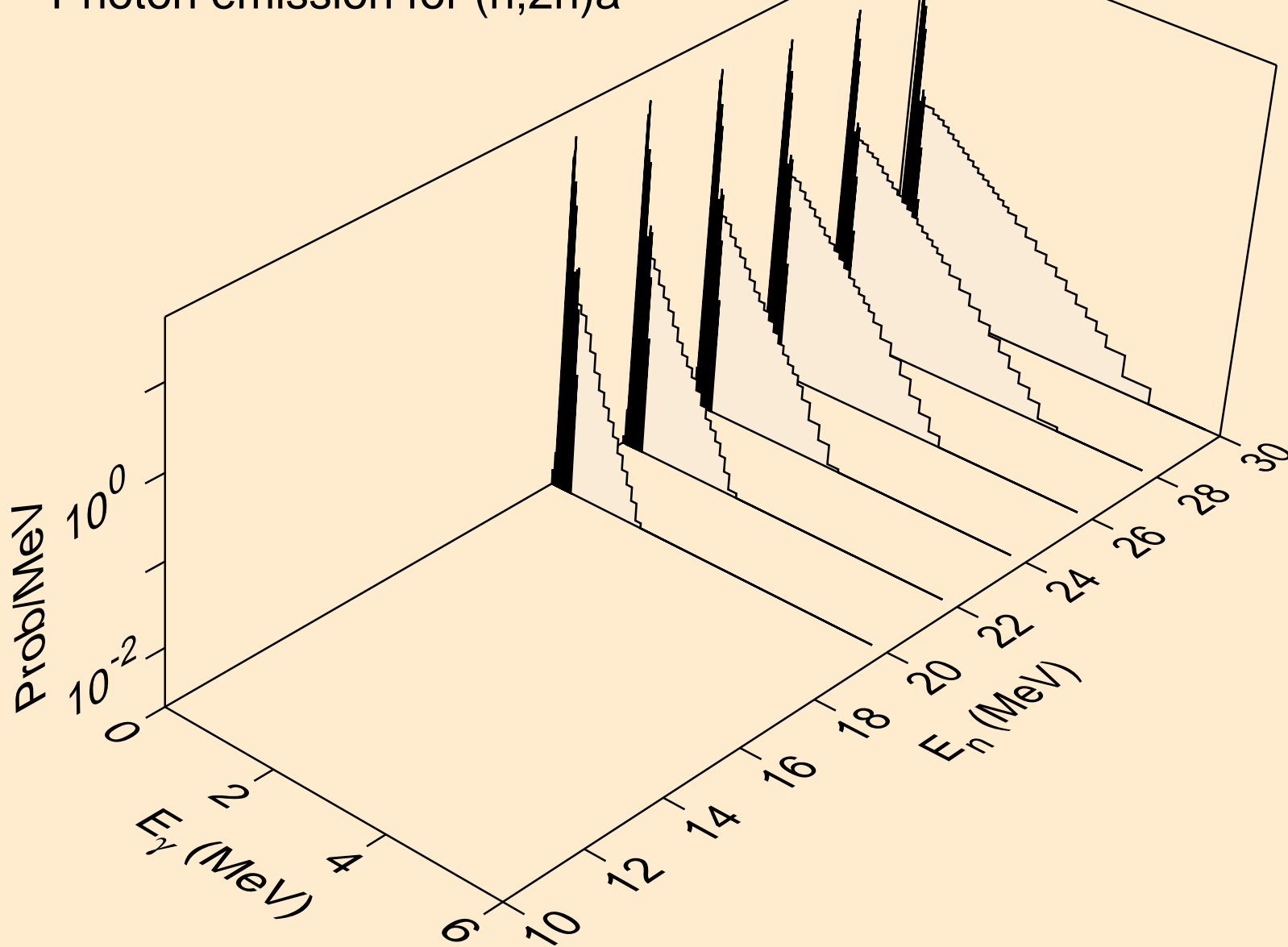
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)



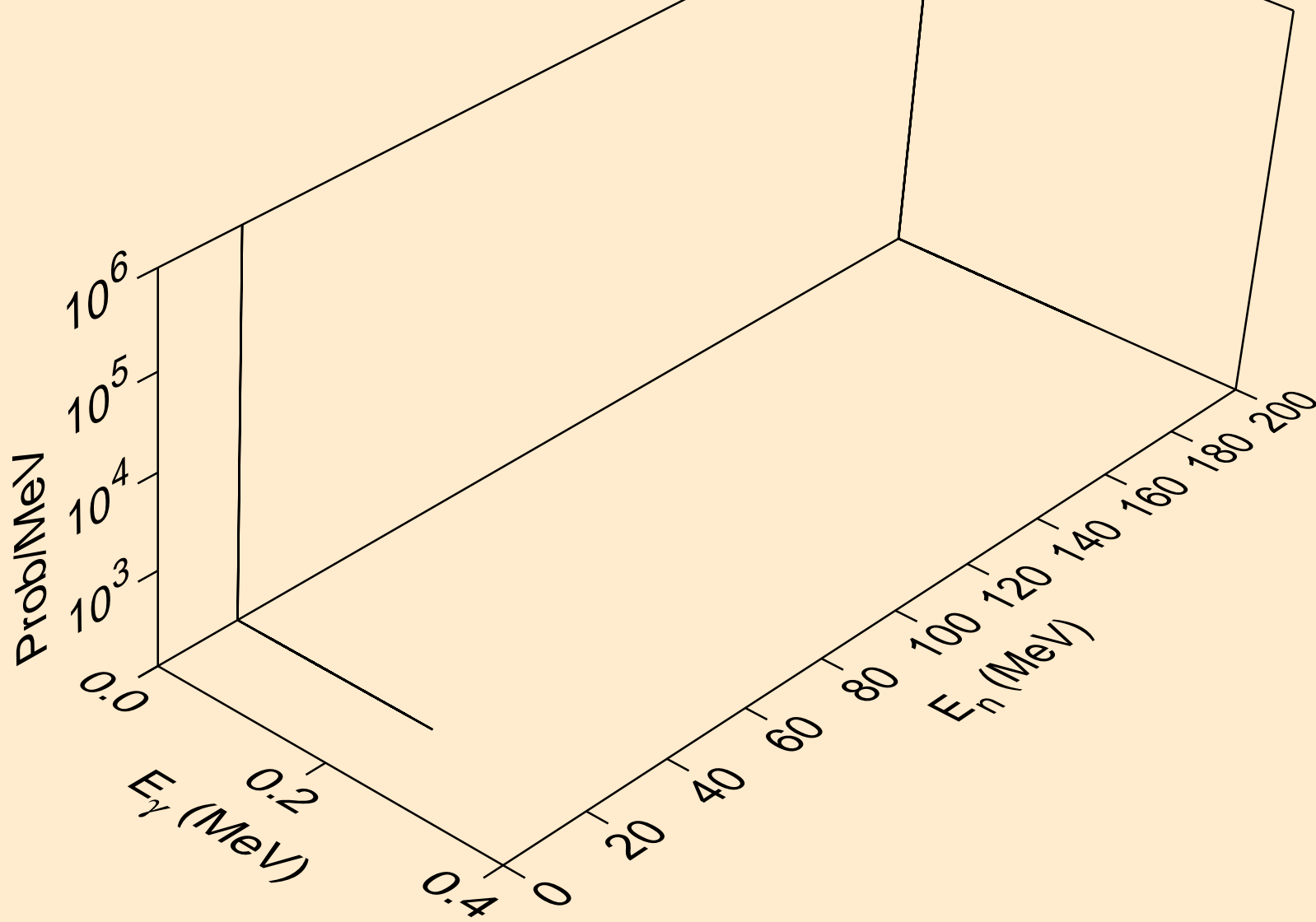
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a



RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a

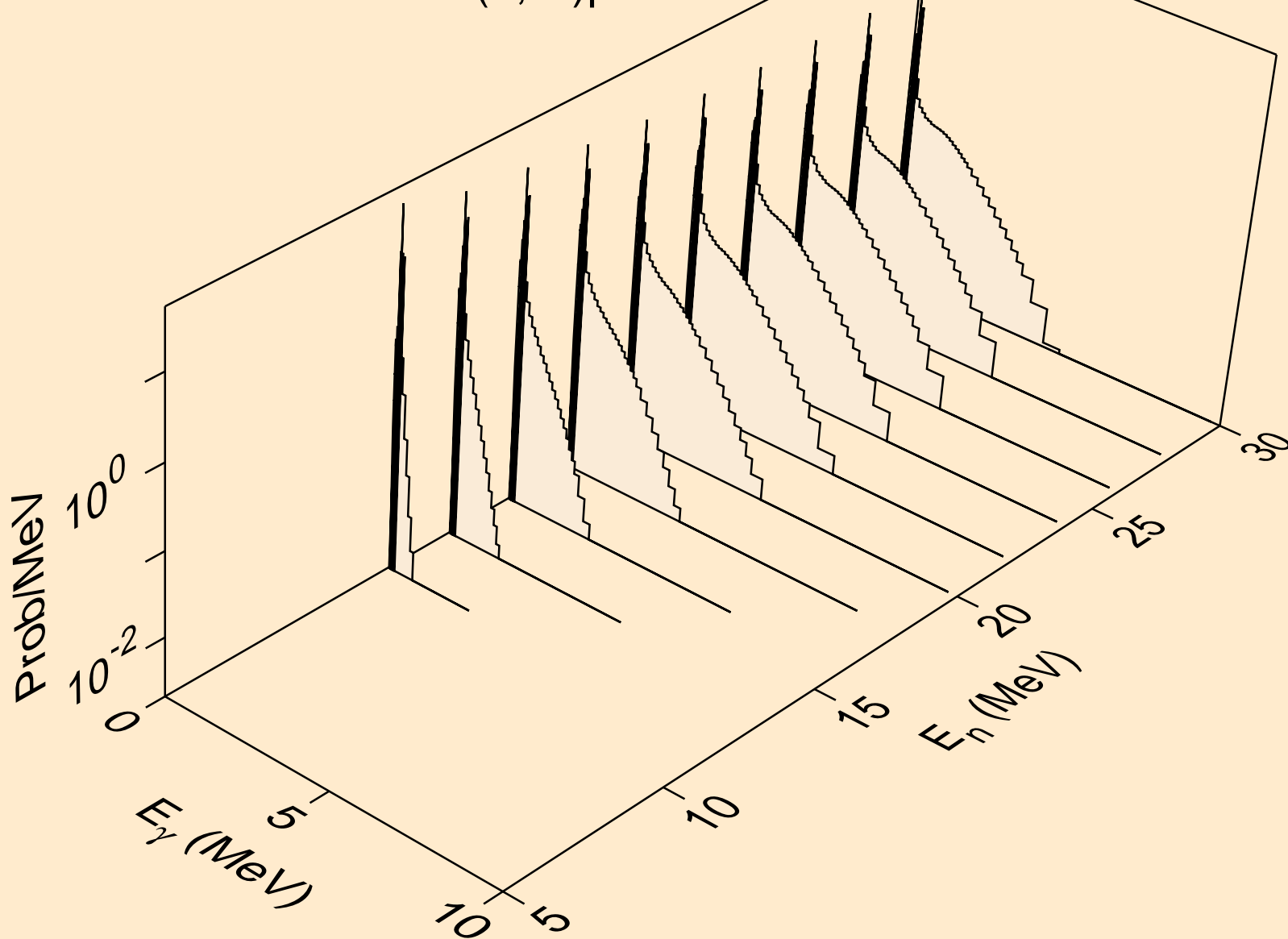


RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a

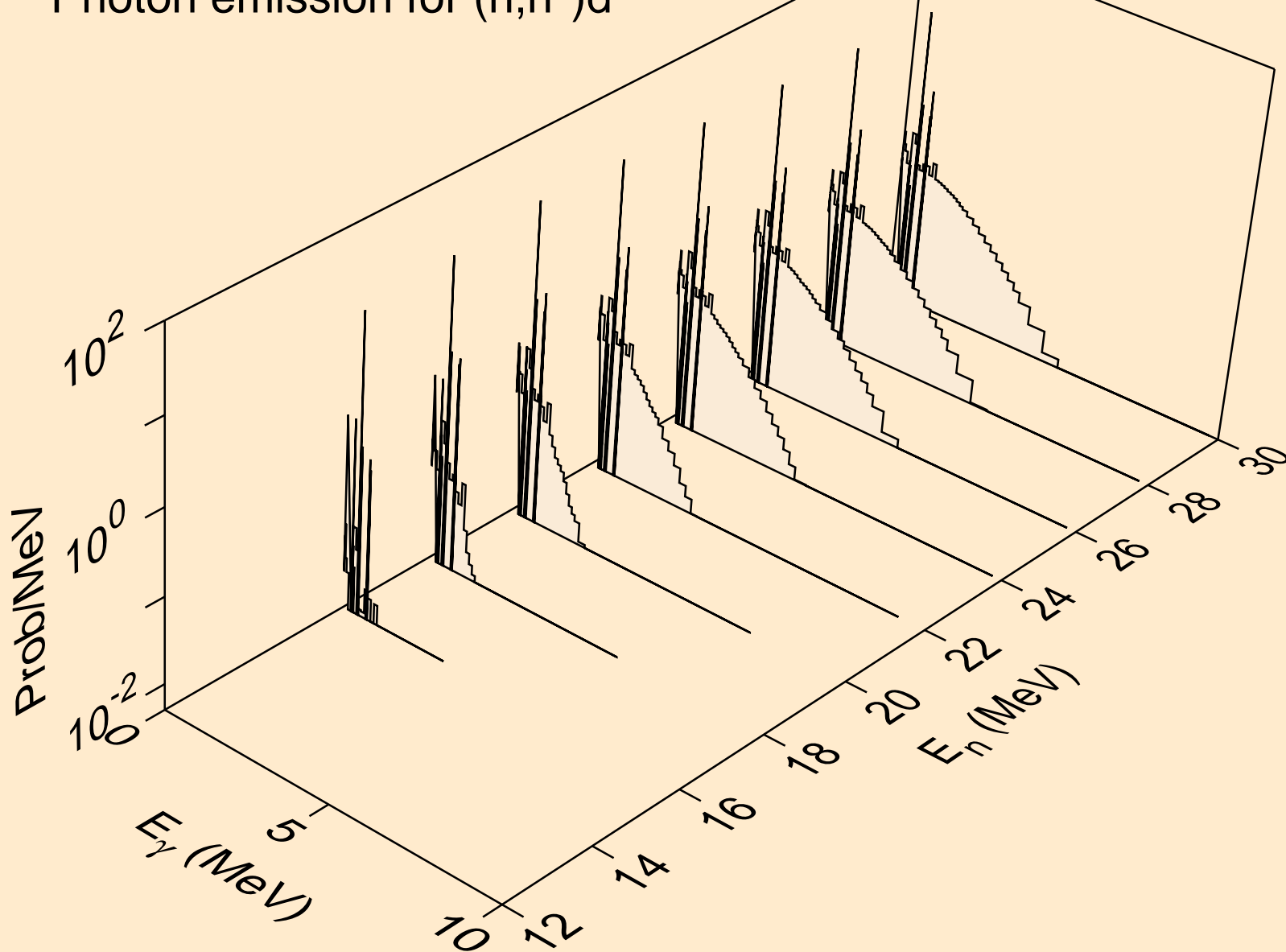




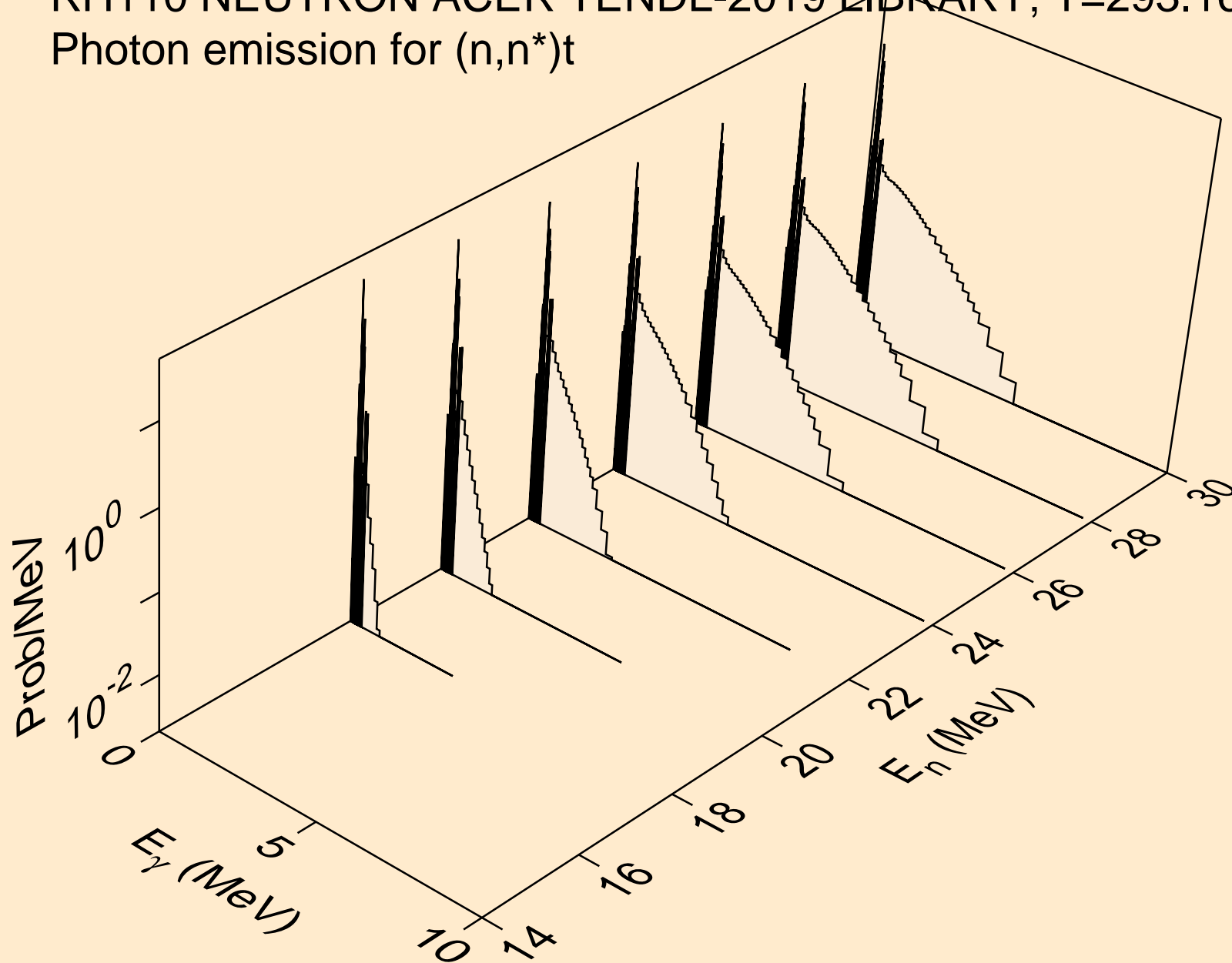
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p



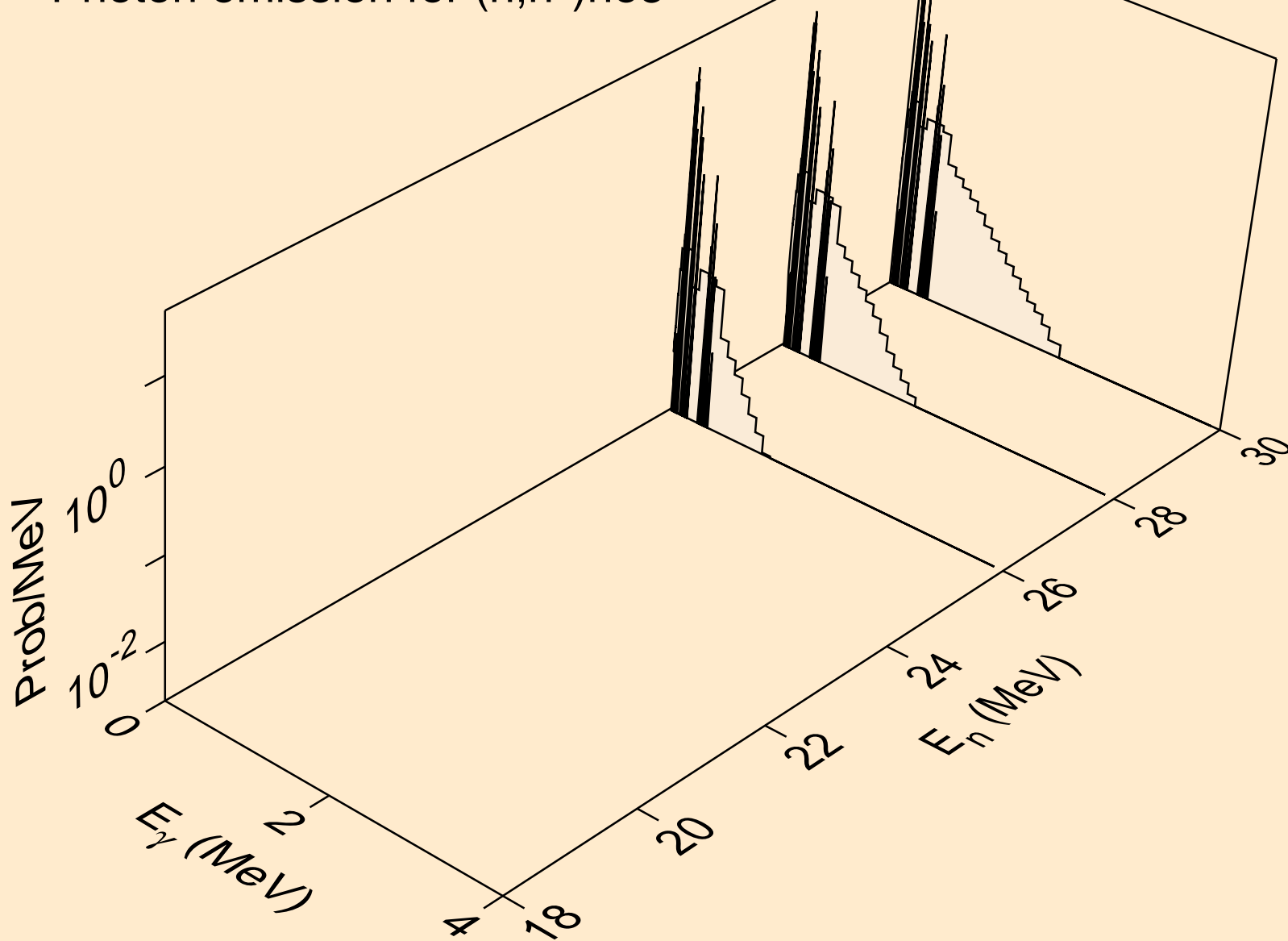
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d



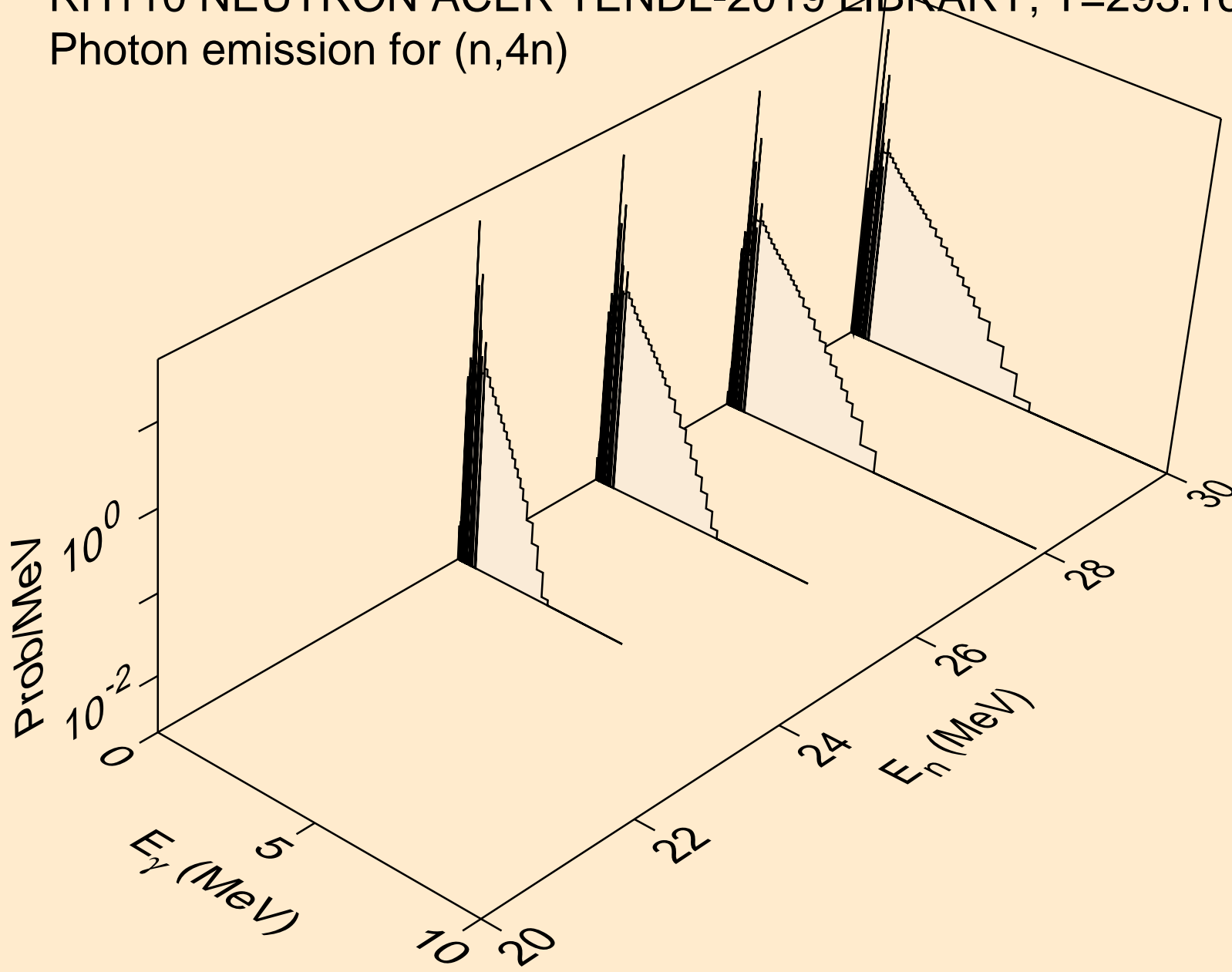
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t



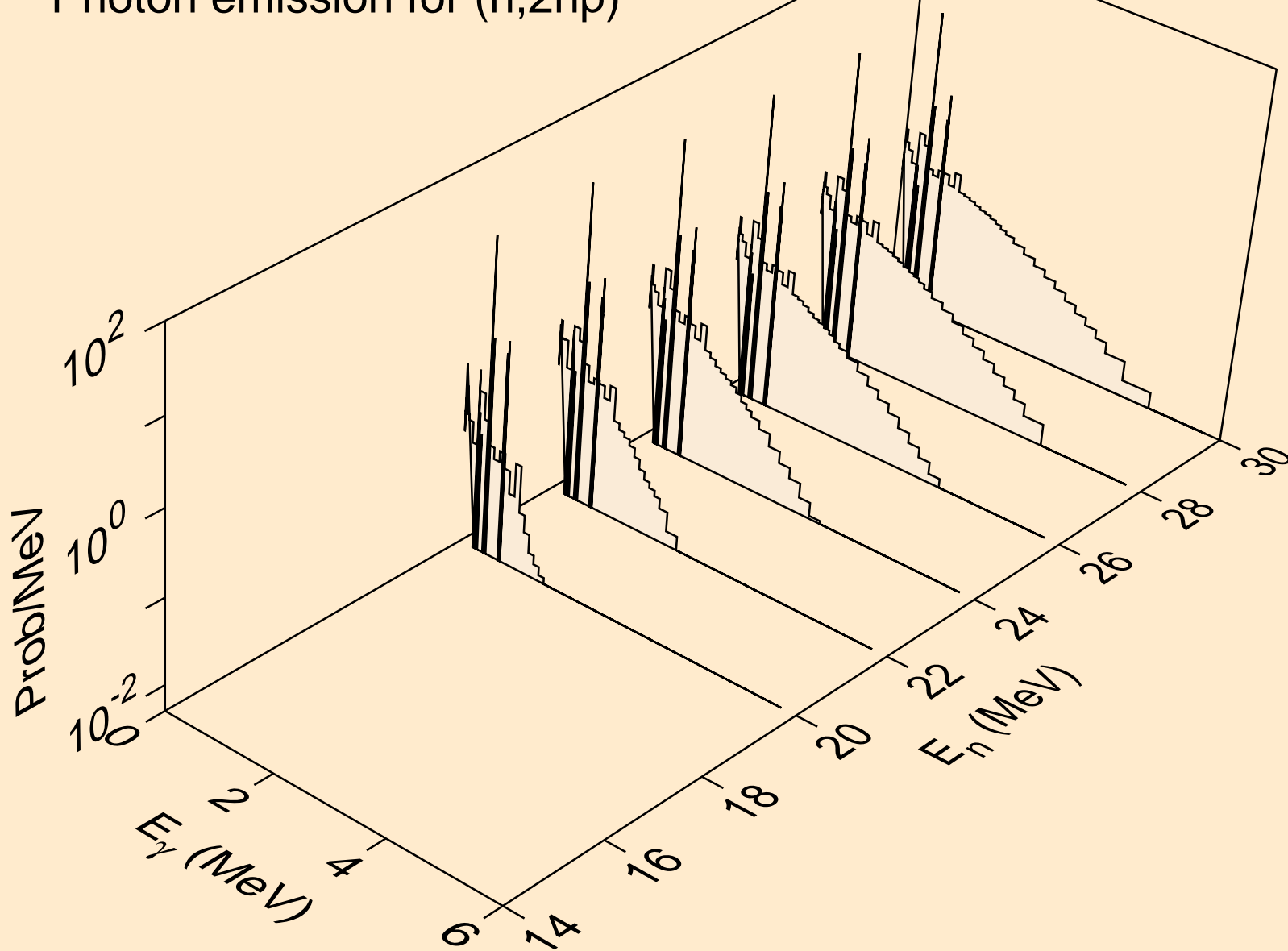
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3



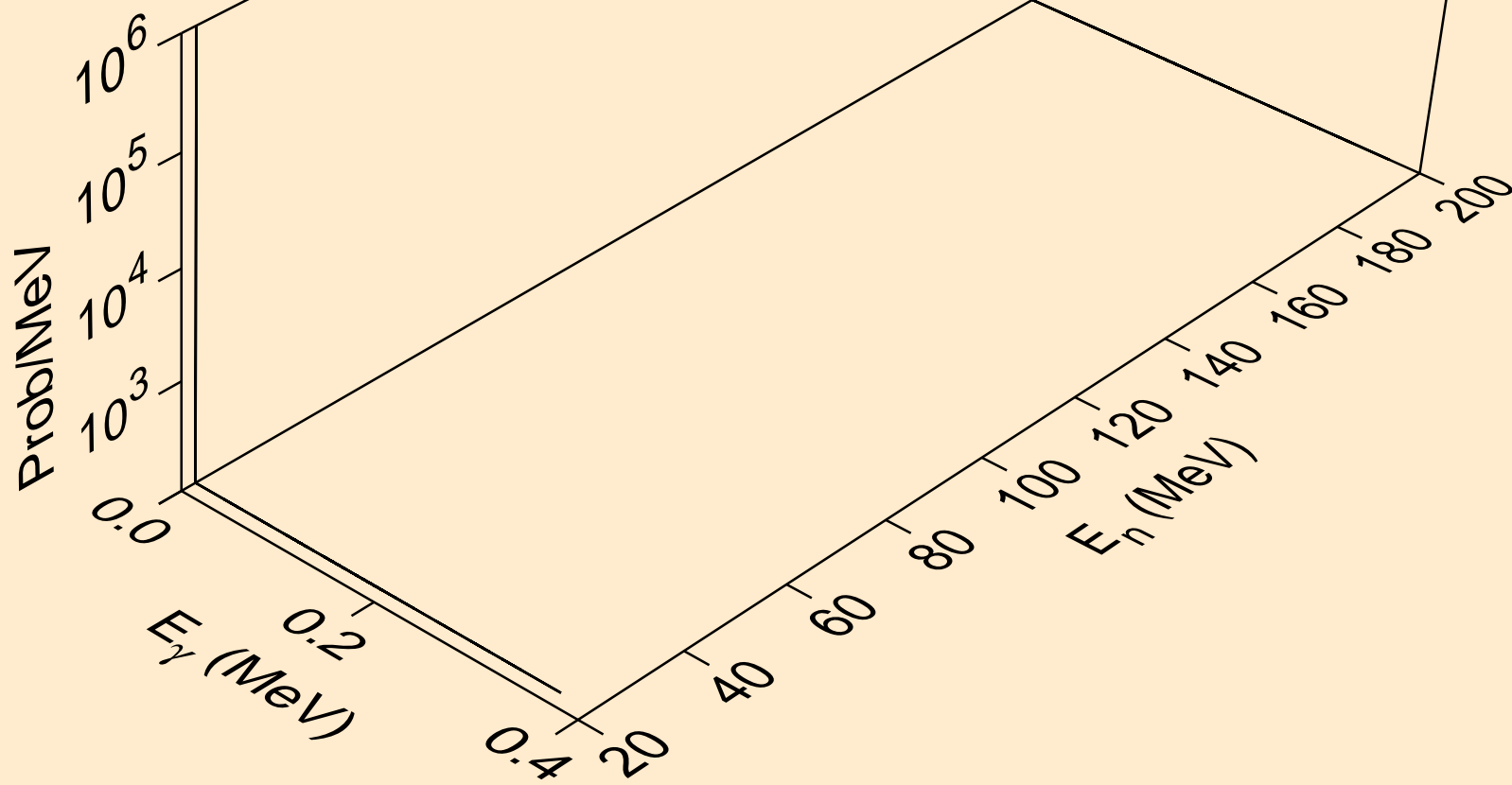
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Photon emission for (n,4n)



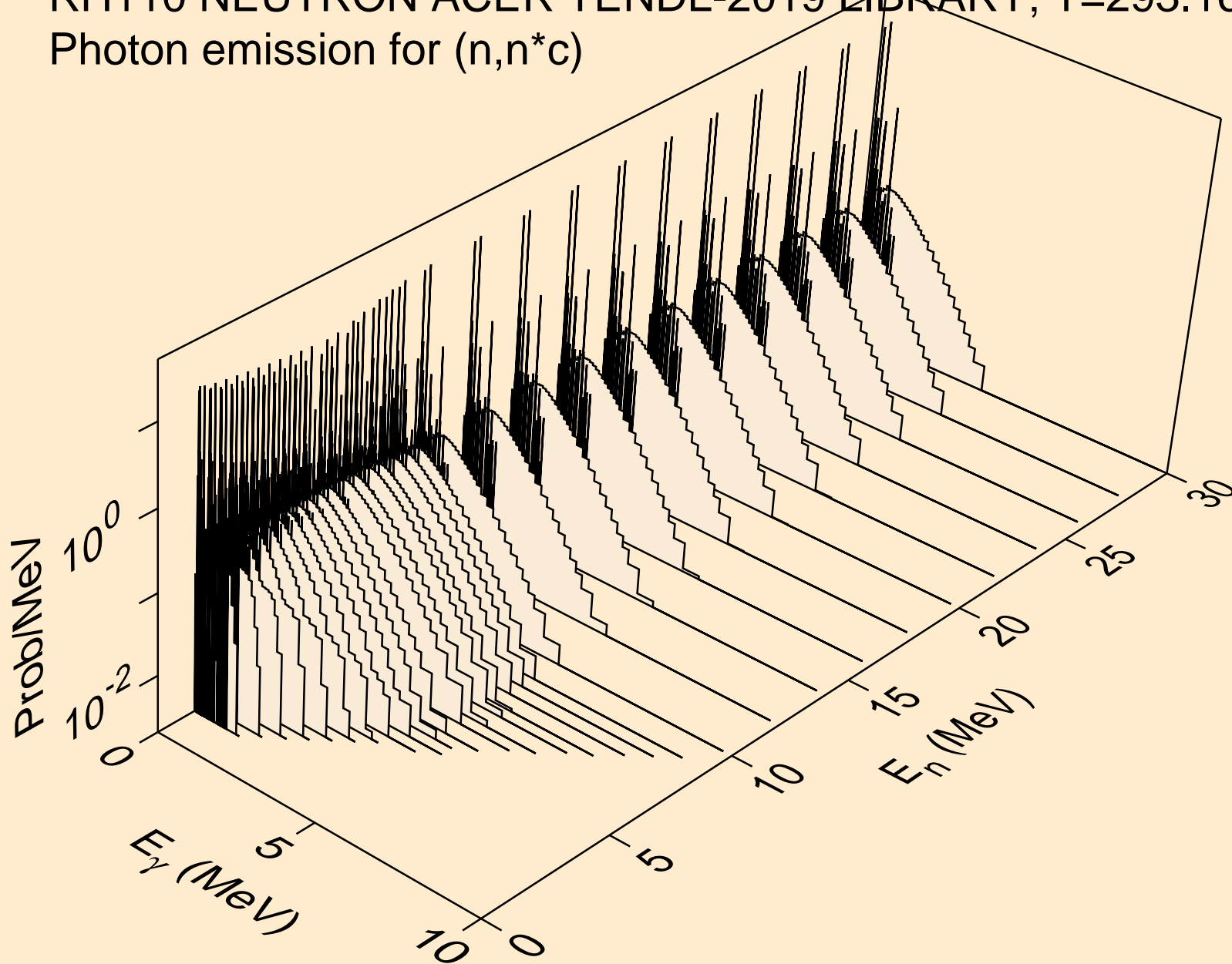
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)

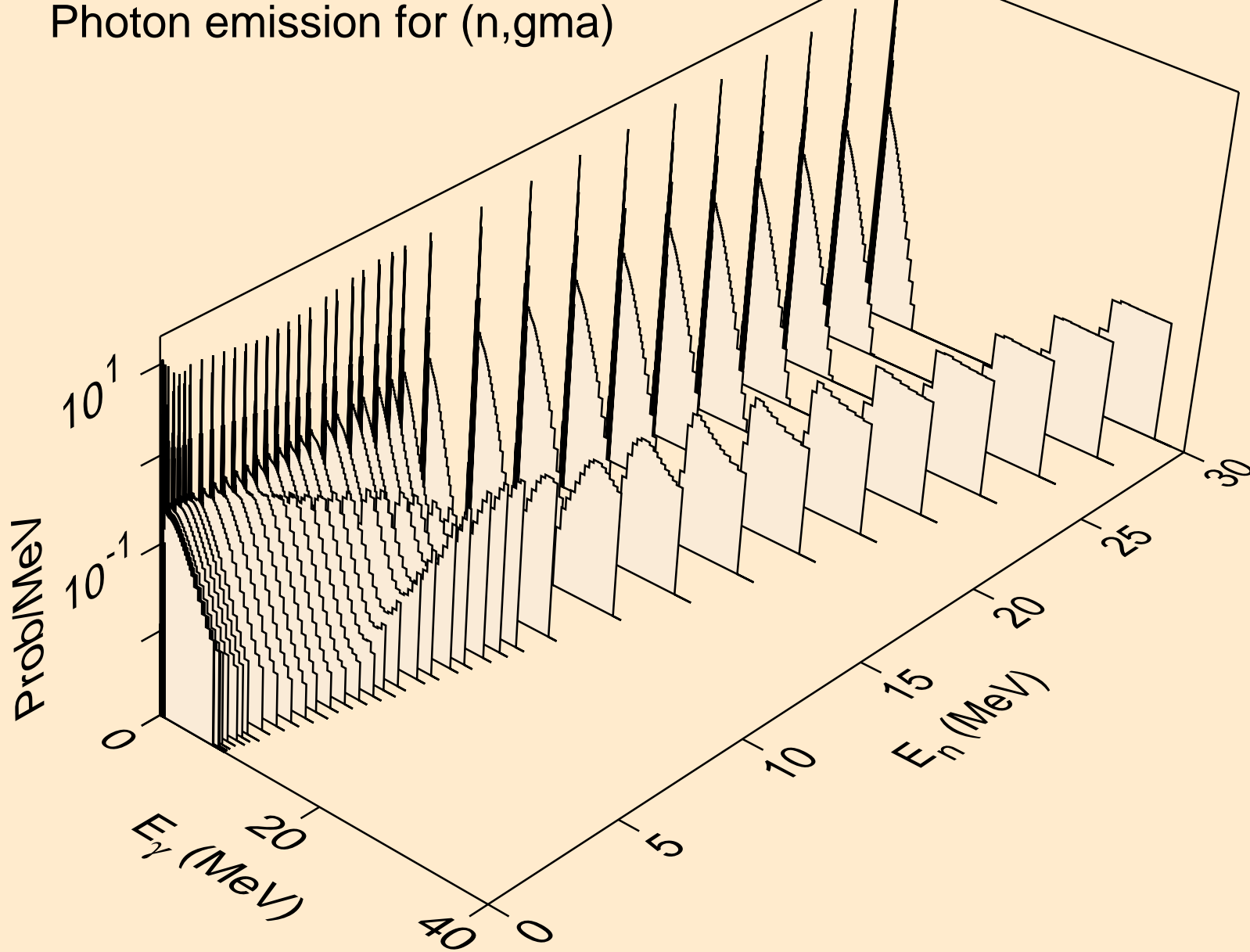


RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)

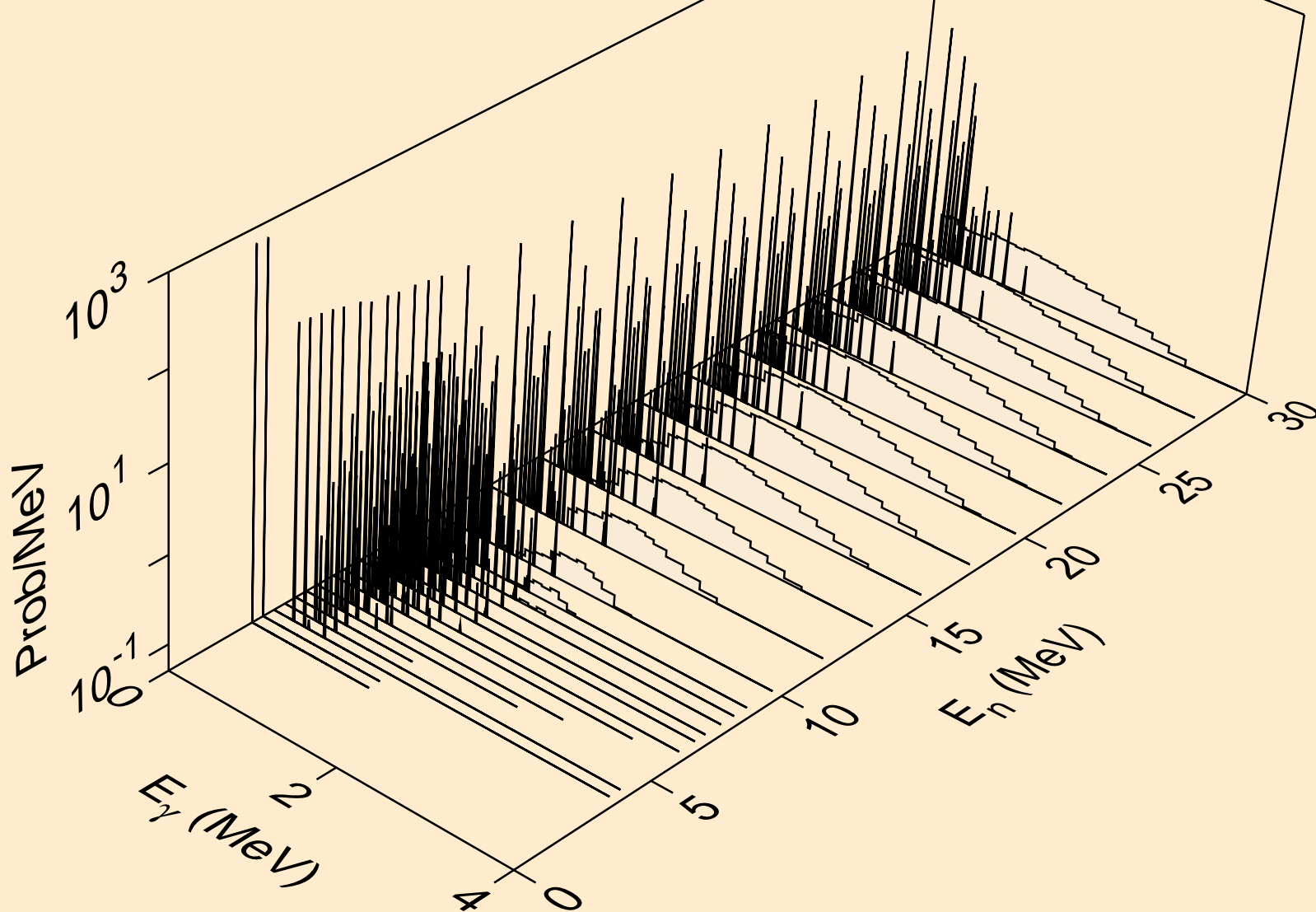




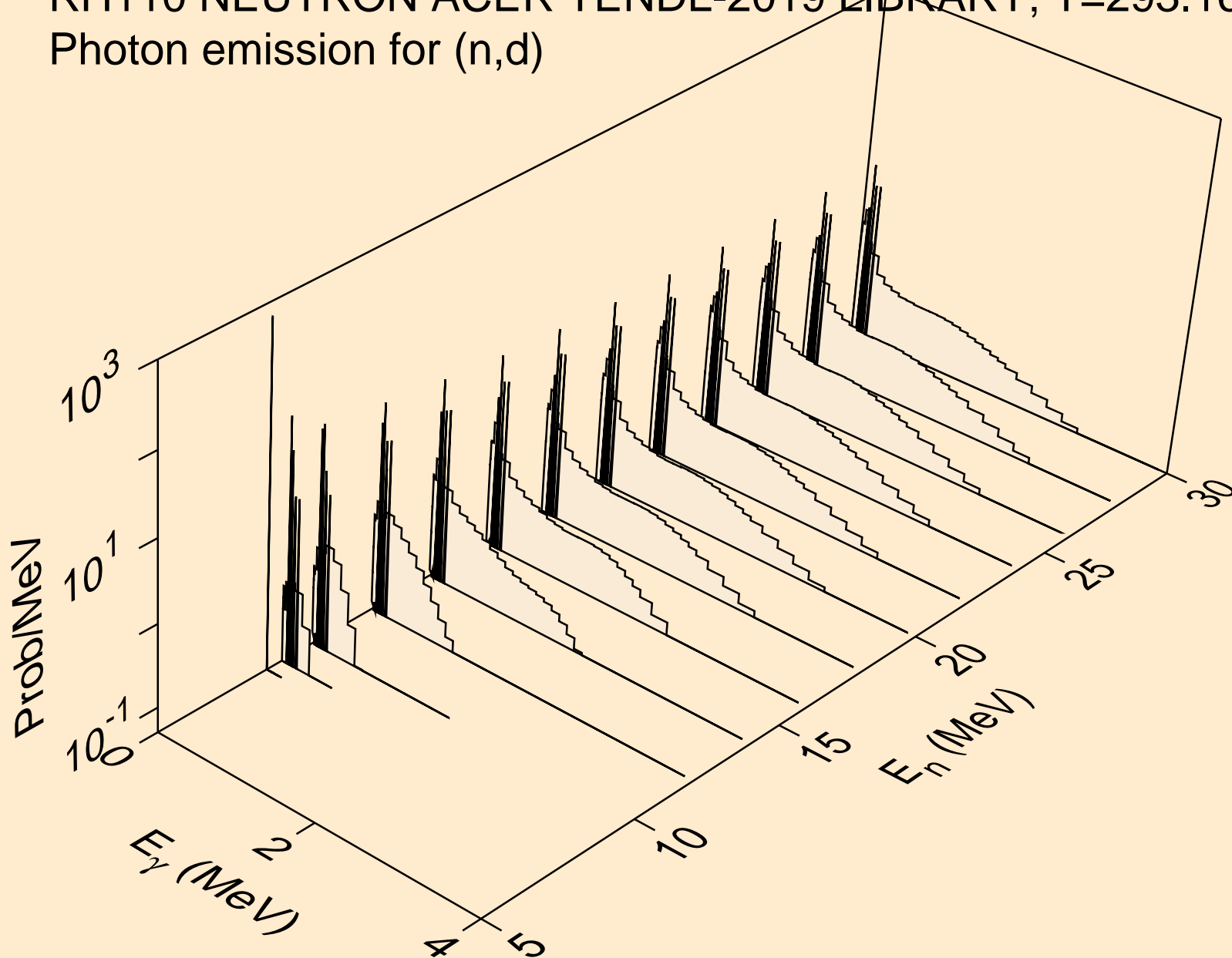
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)



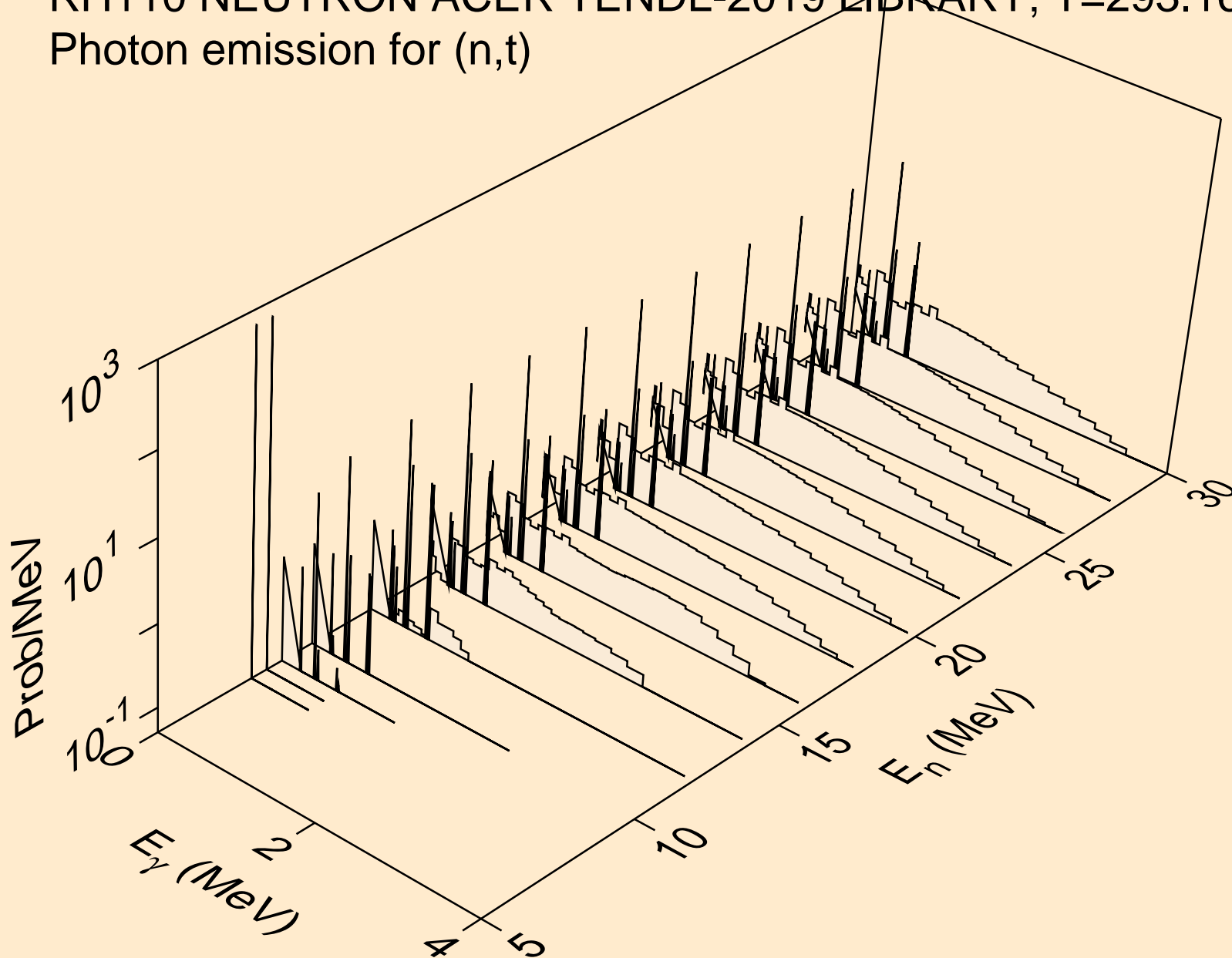
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



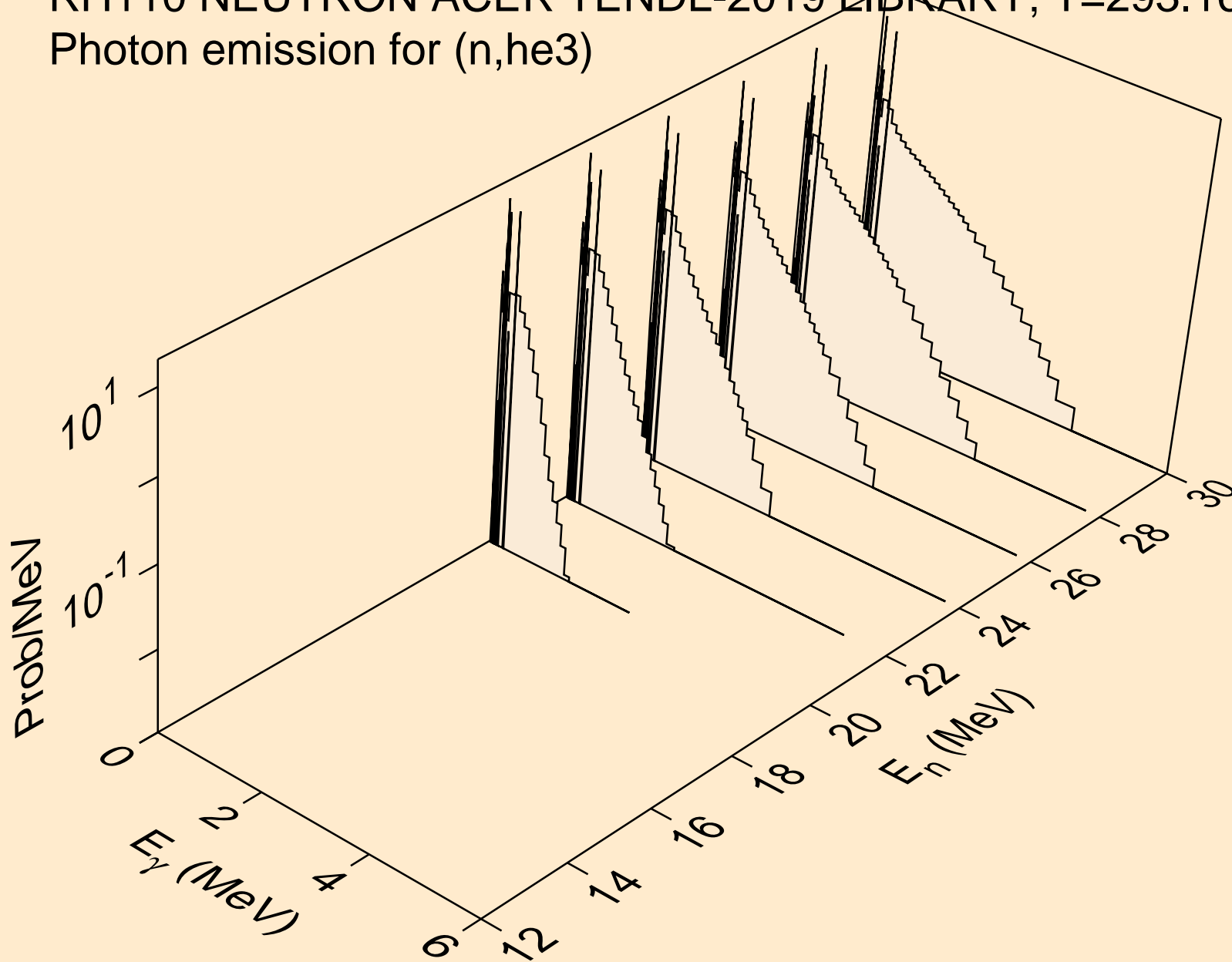
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)



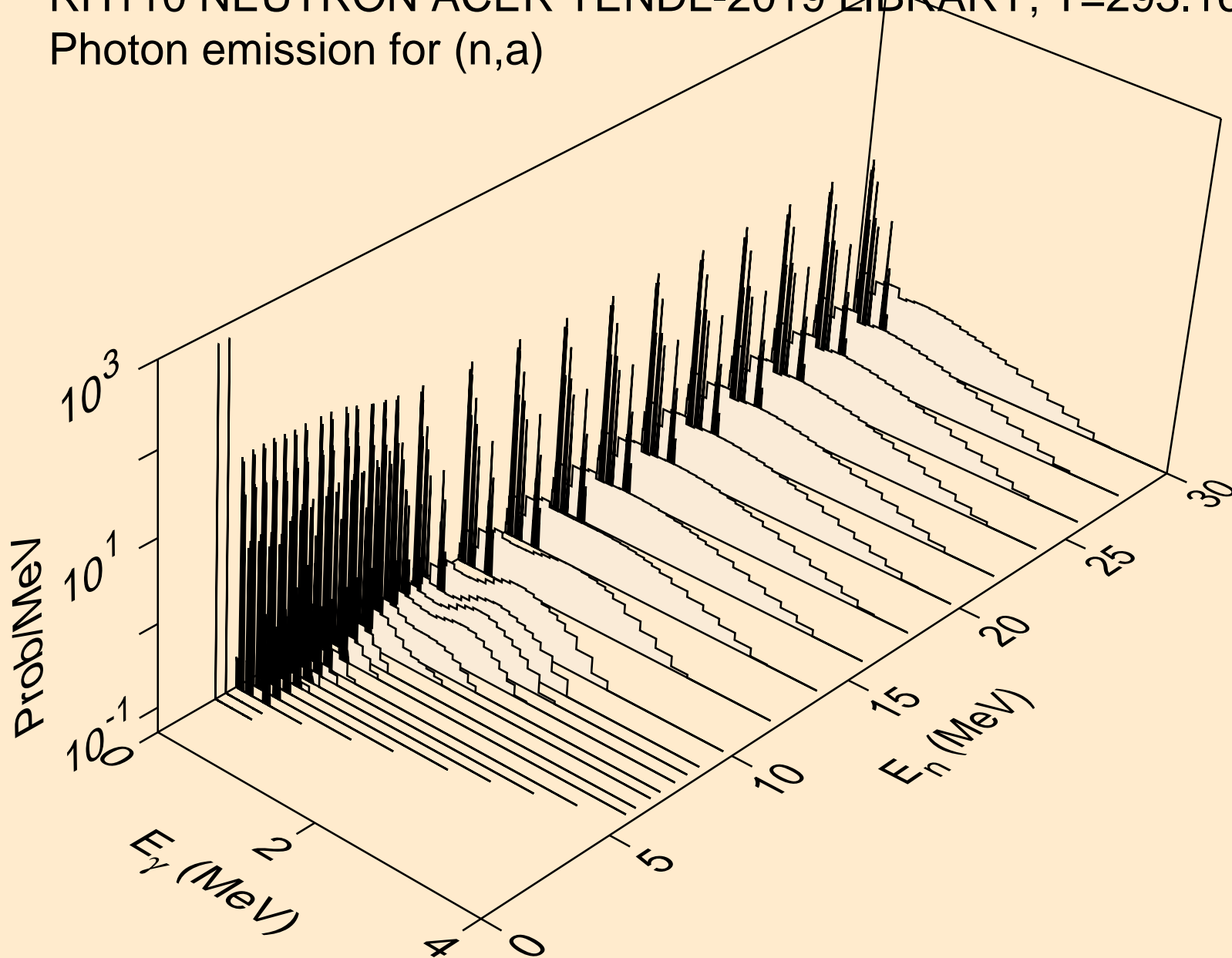
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



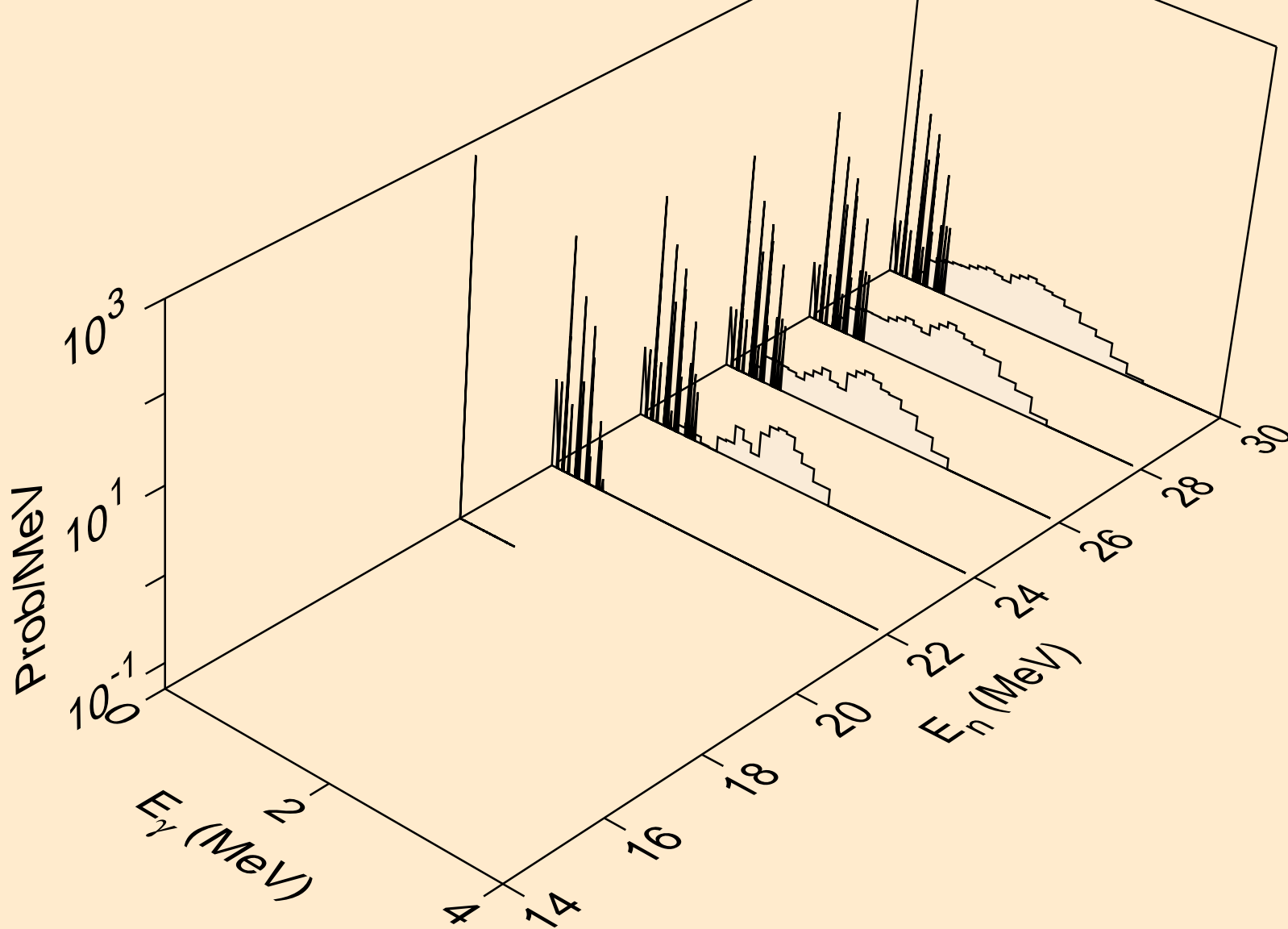
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)



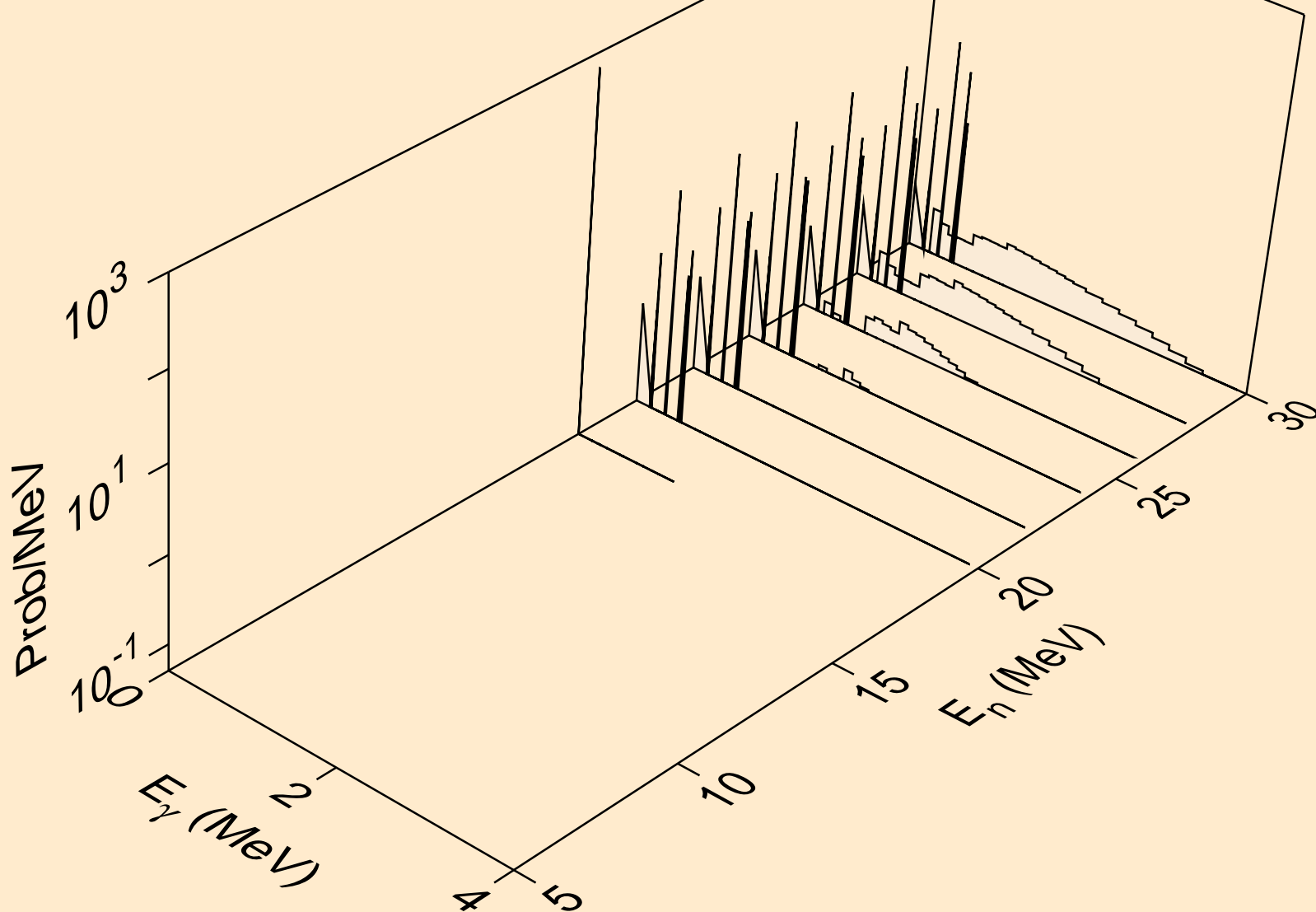
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)

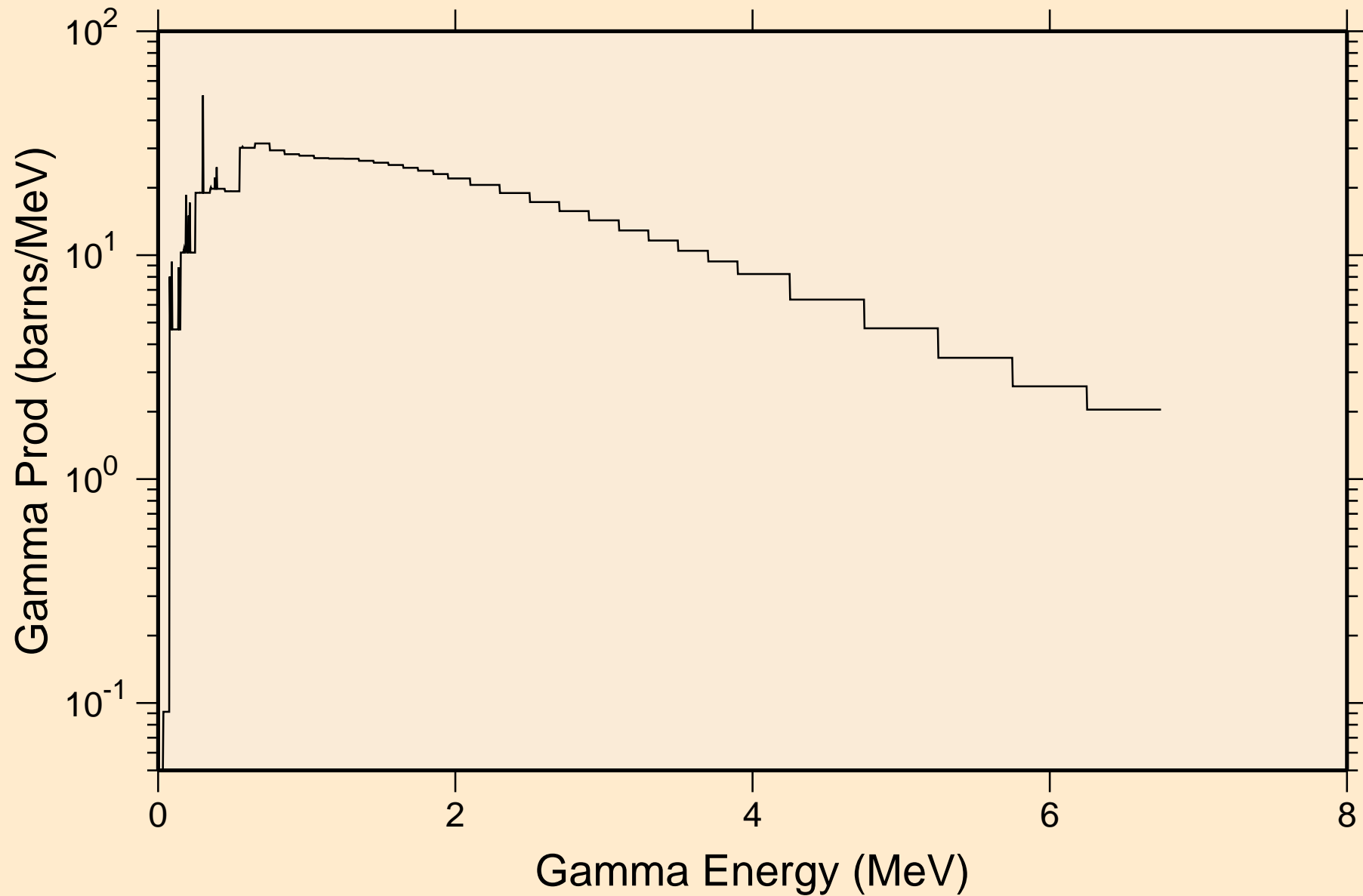


RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)

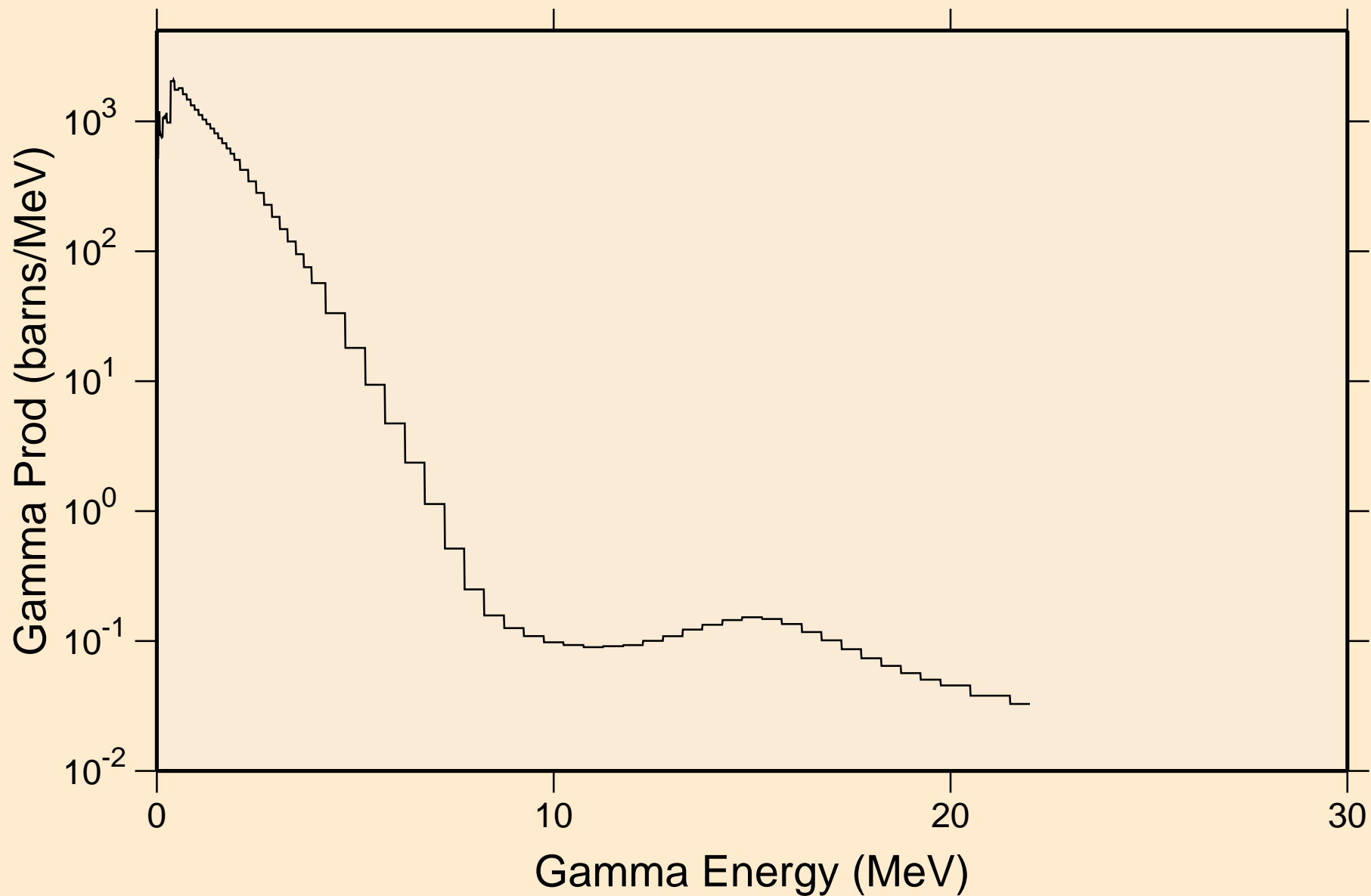




RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

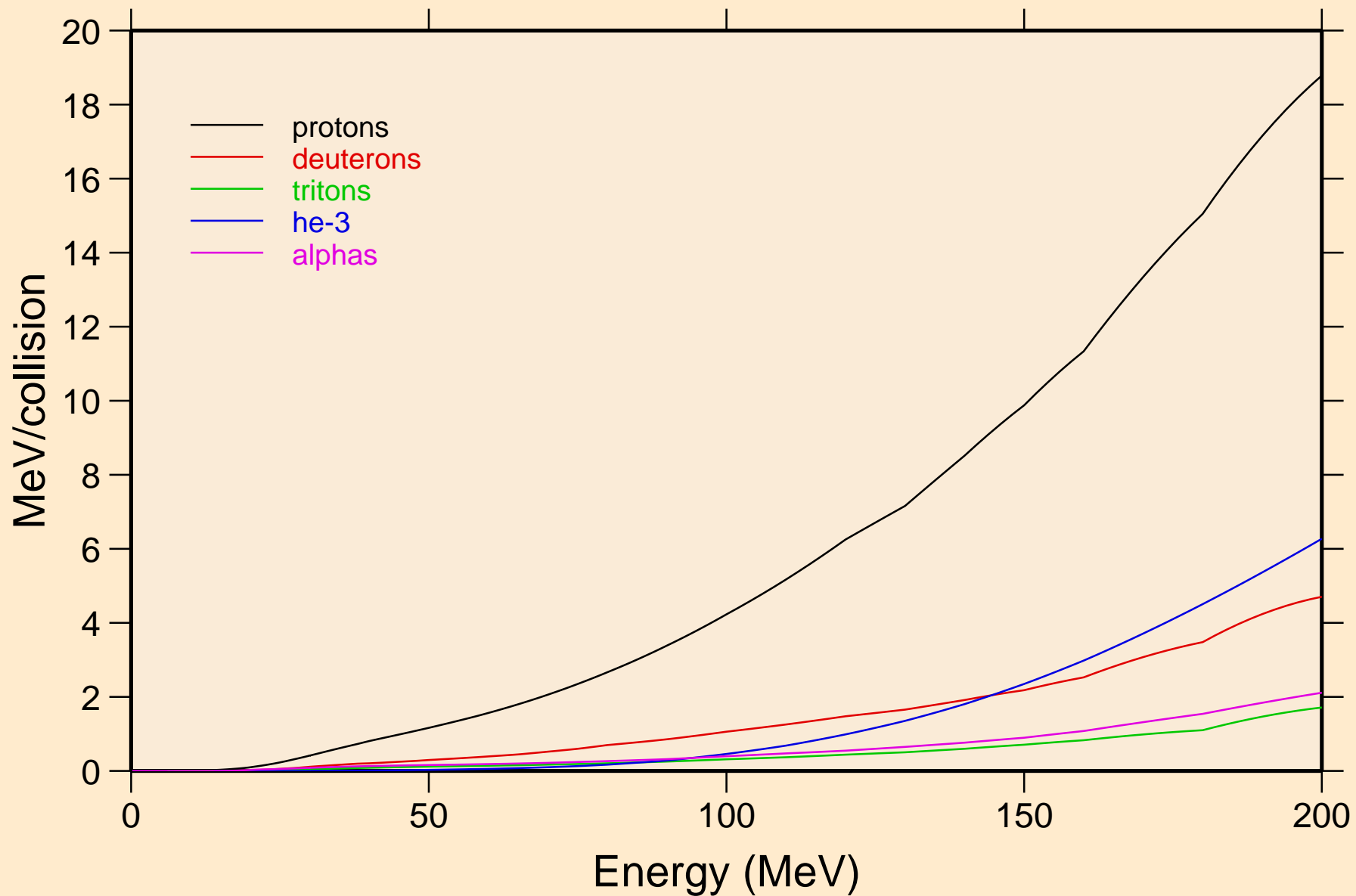


RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

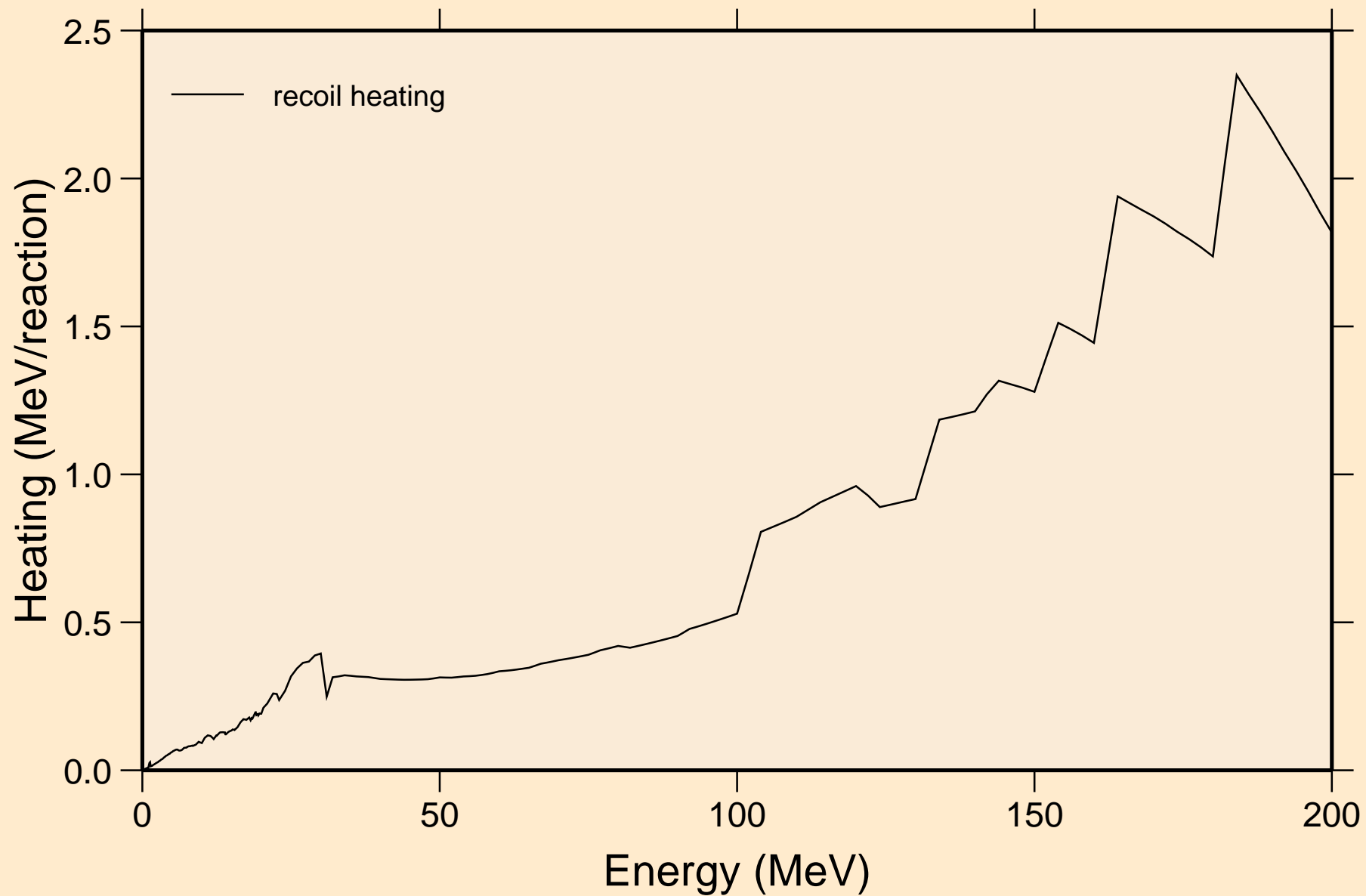


# RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

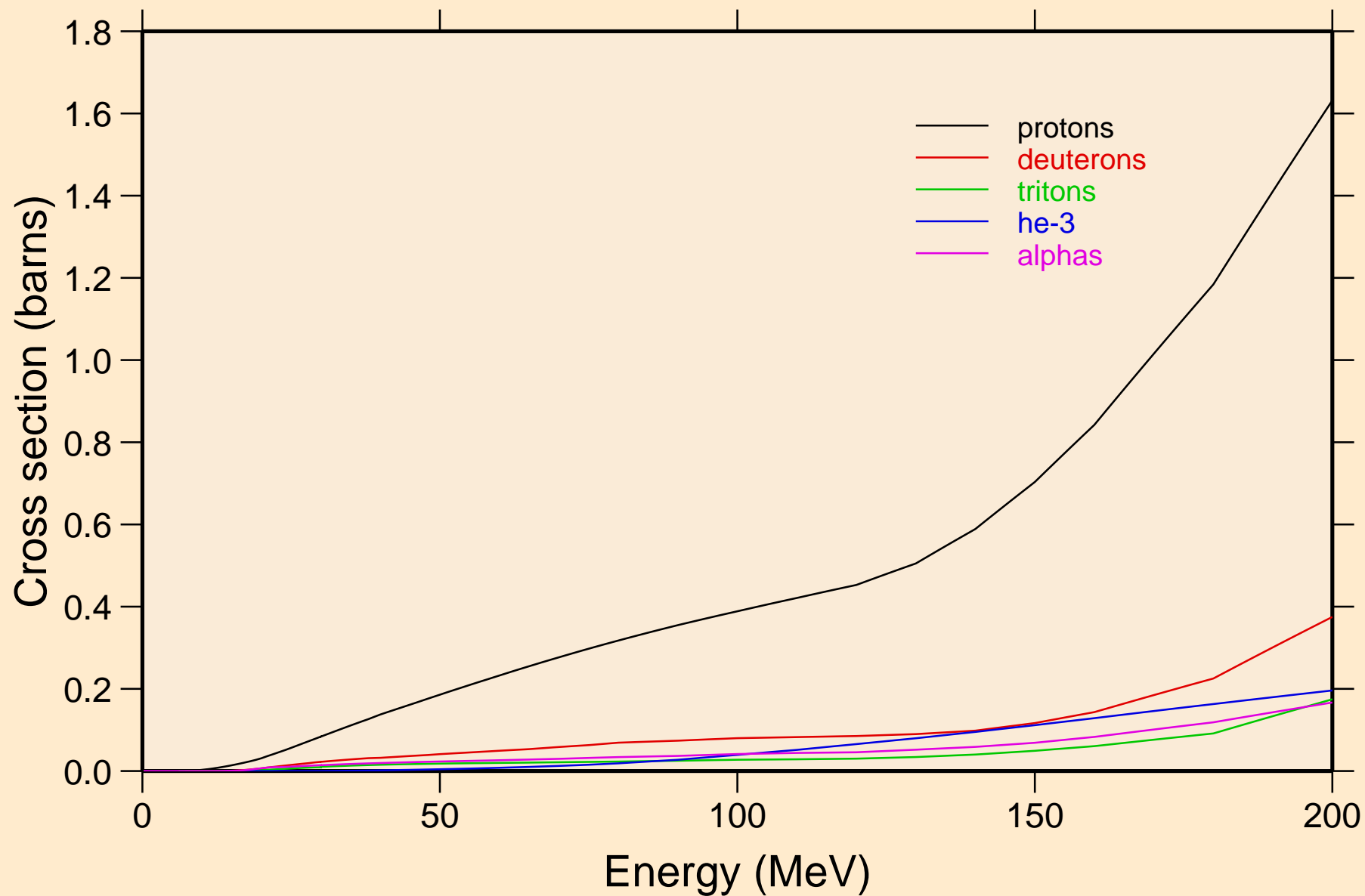
## Particle heating contributions



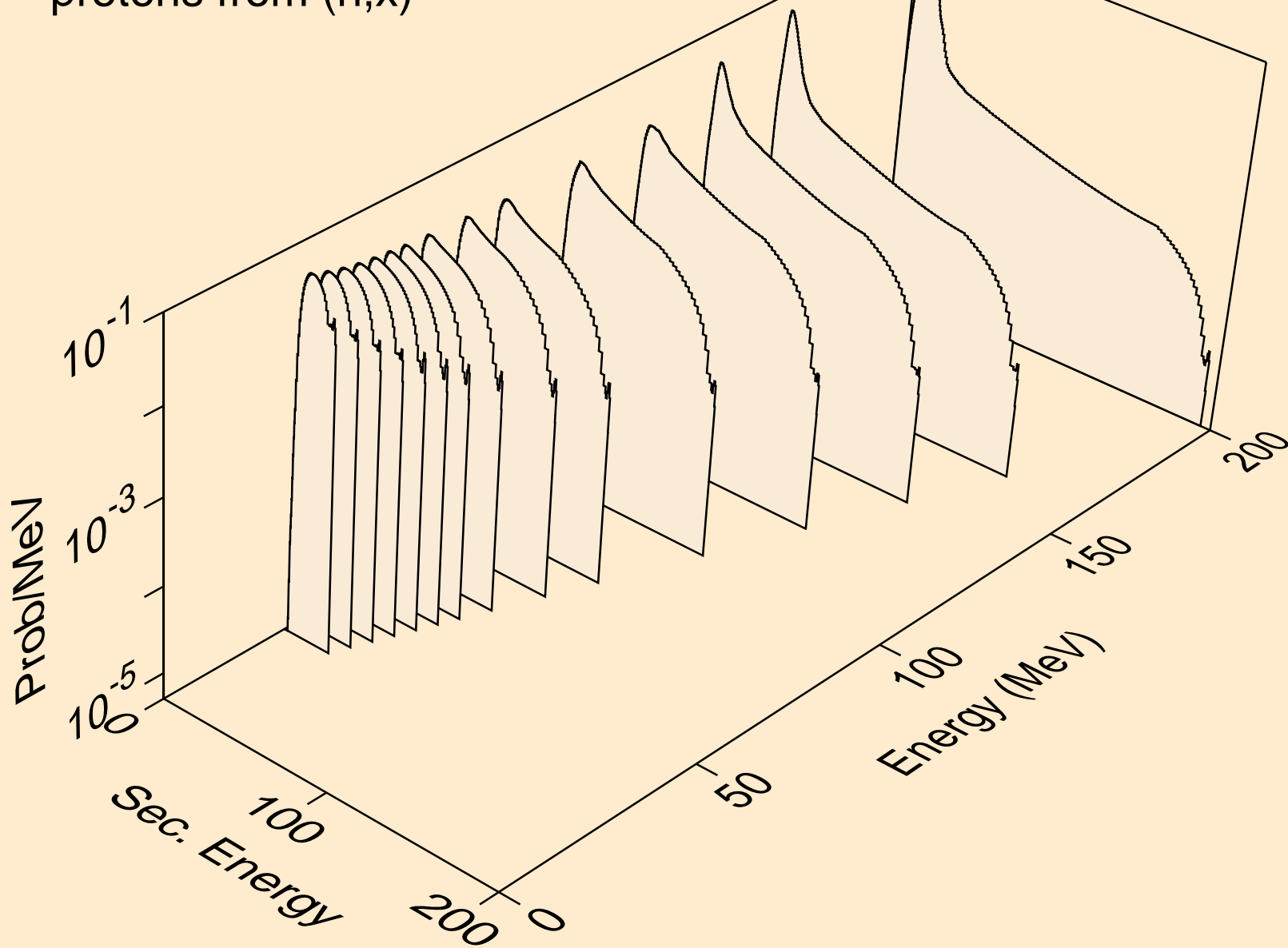
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Recoil Heating



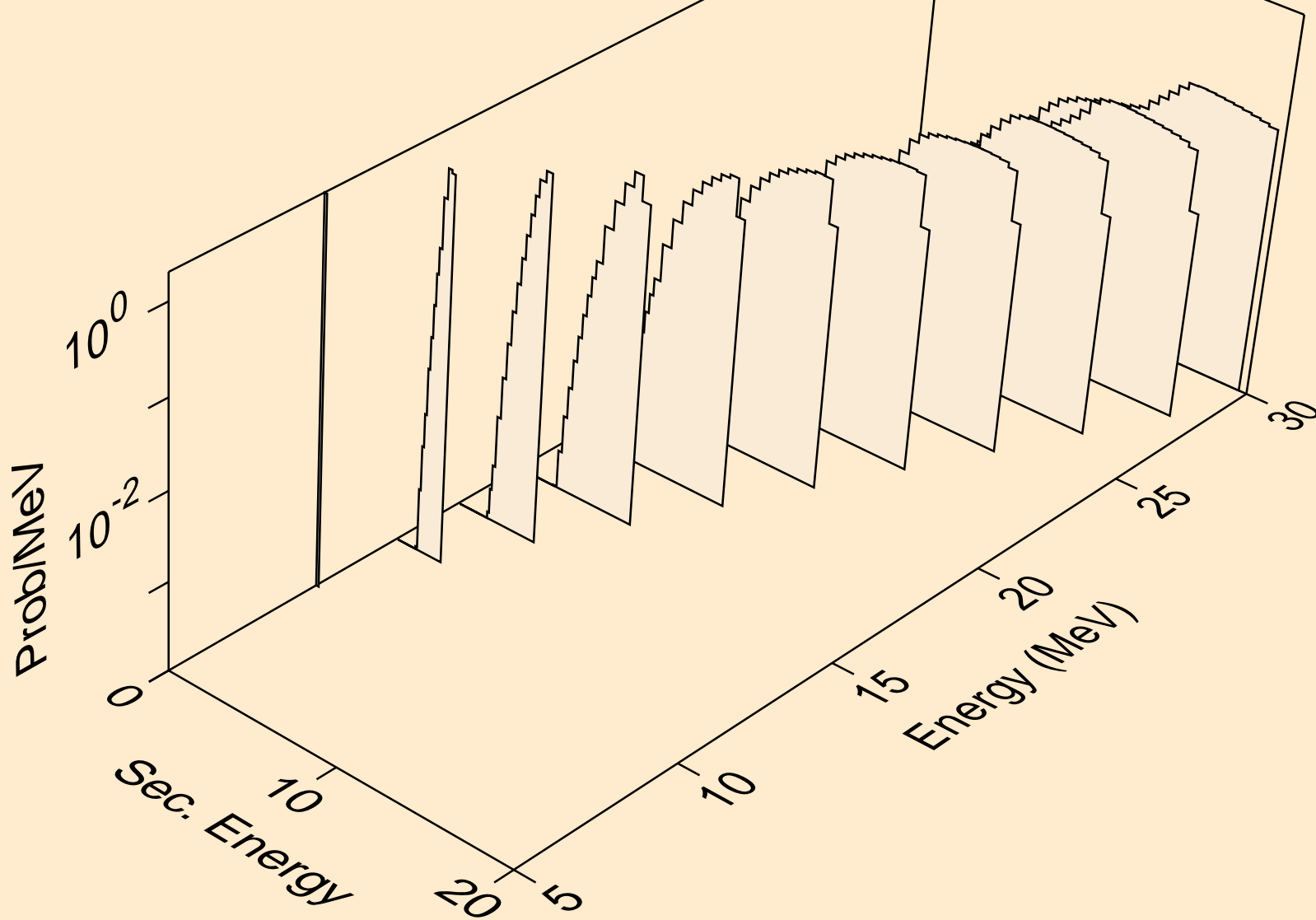
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle production cross sections



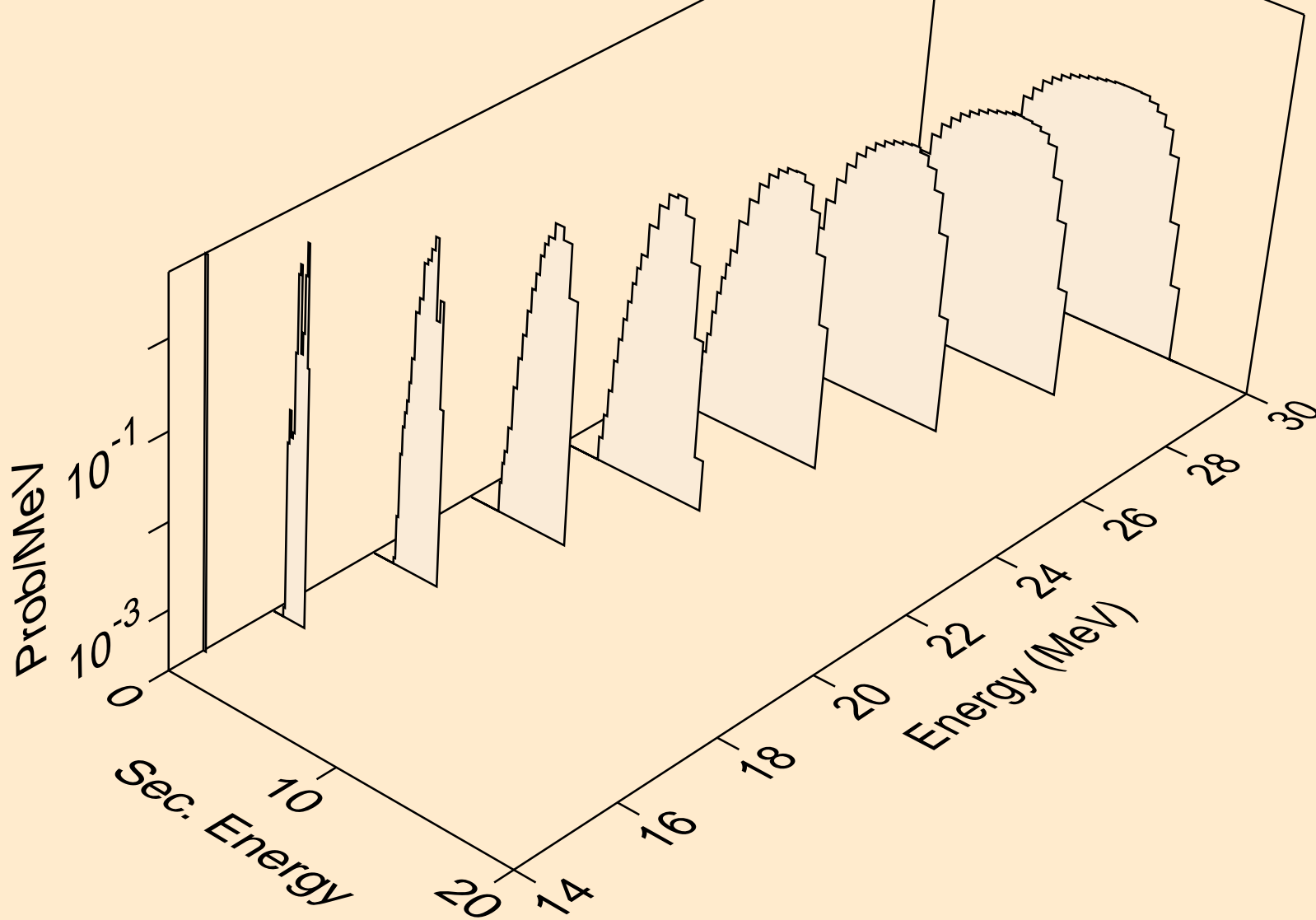
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p

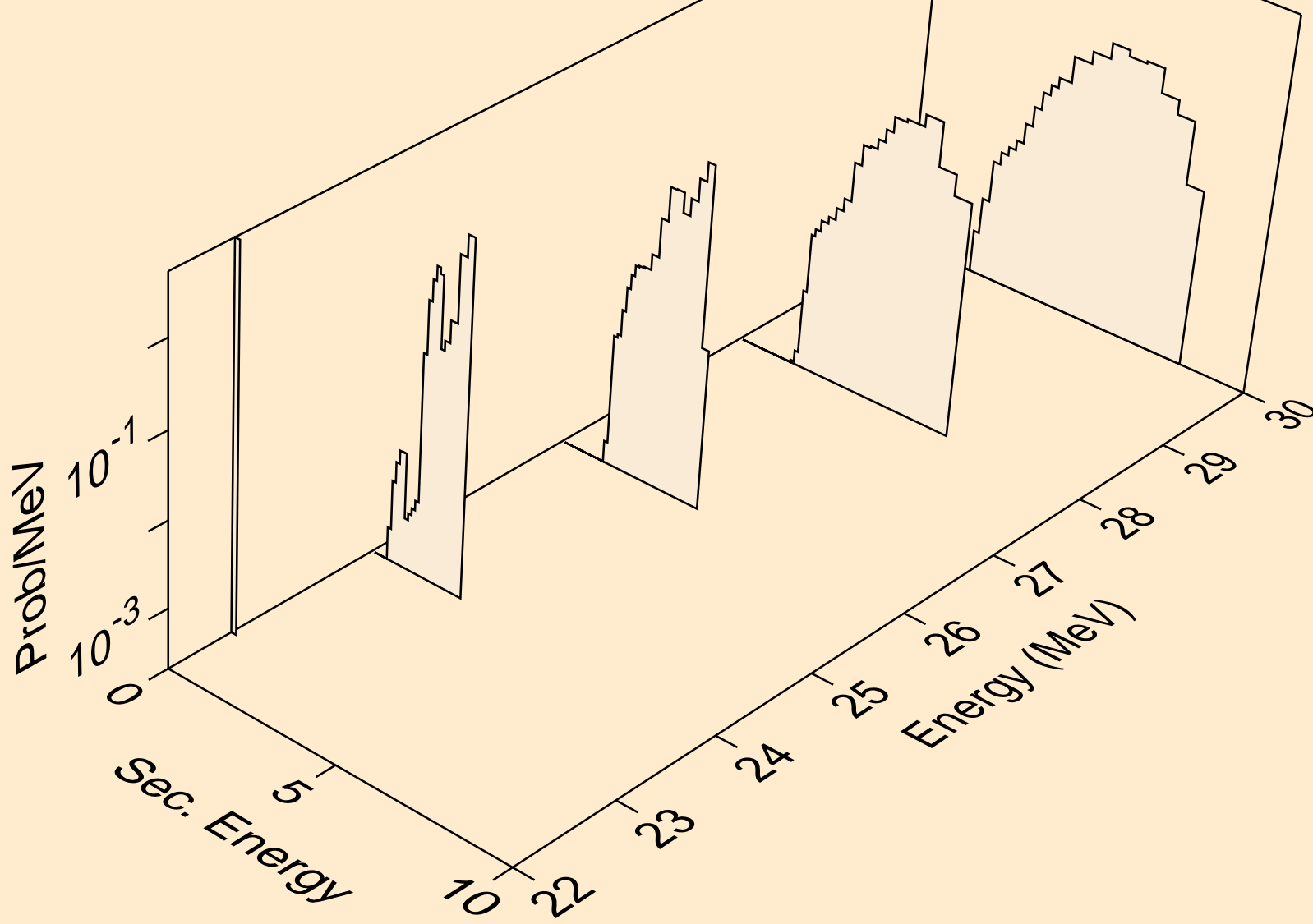


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protons from (n,2np)

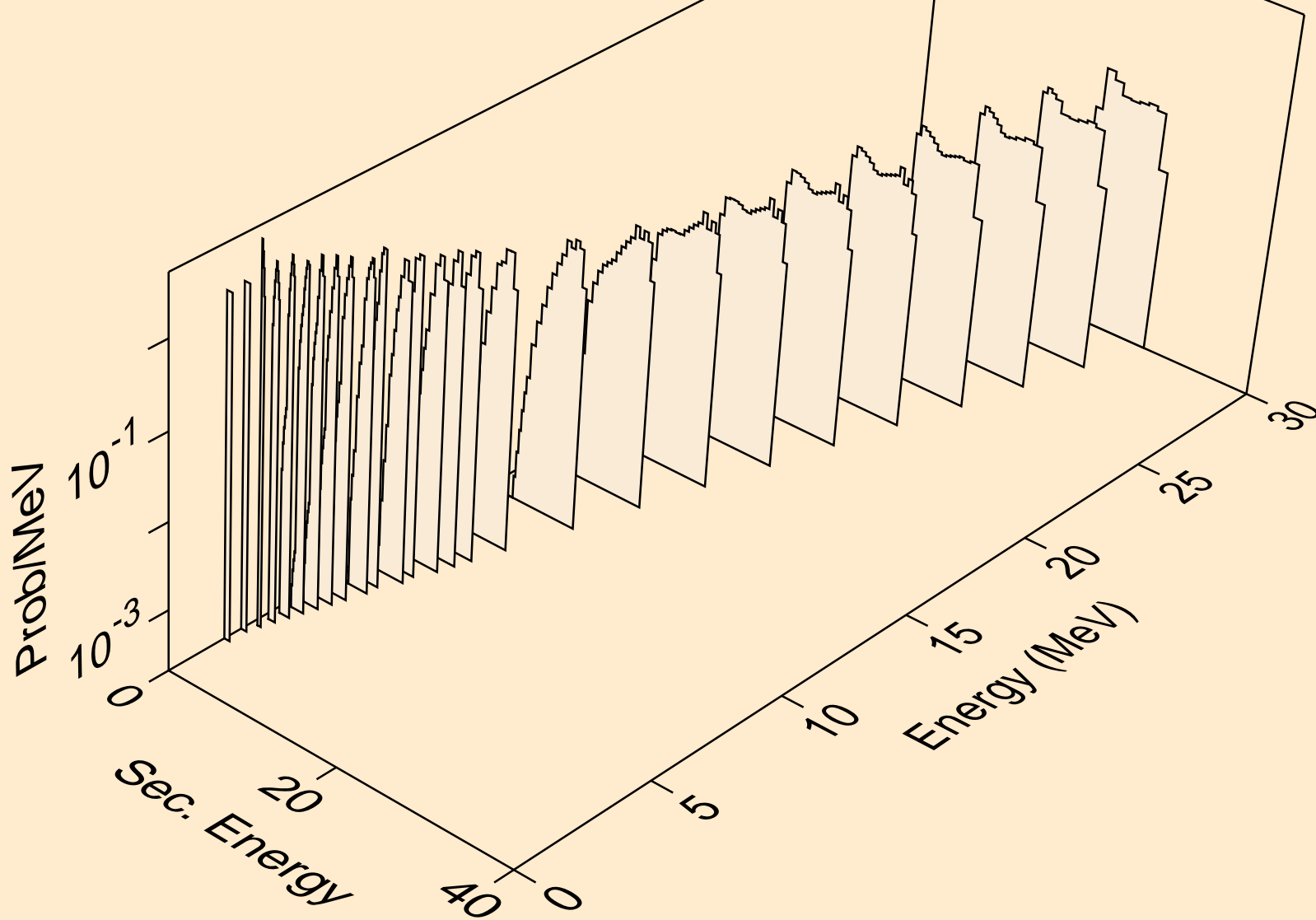




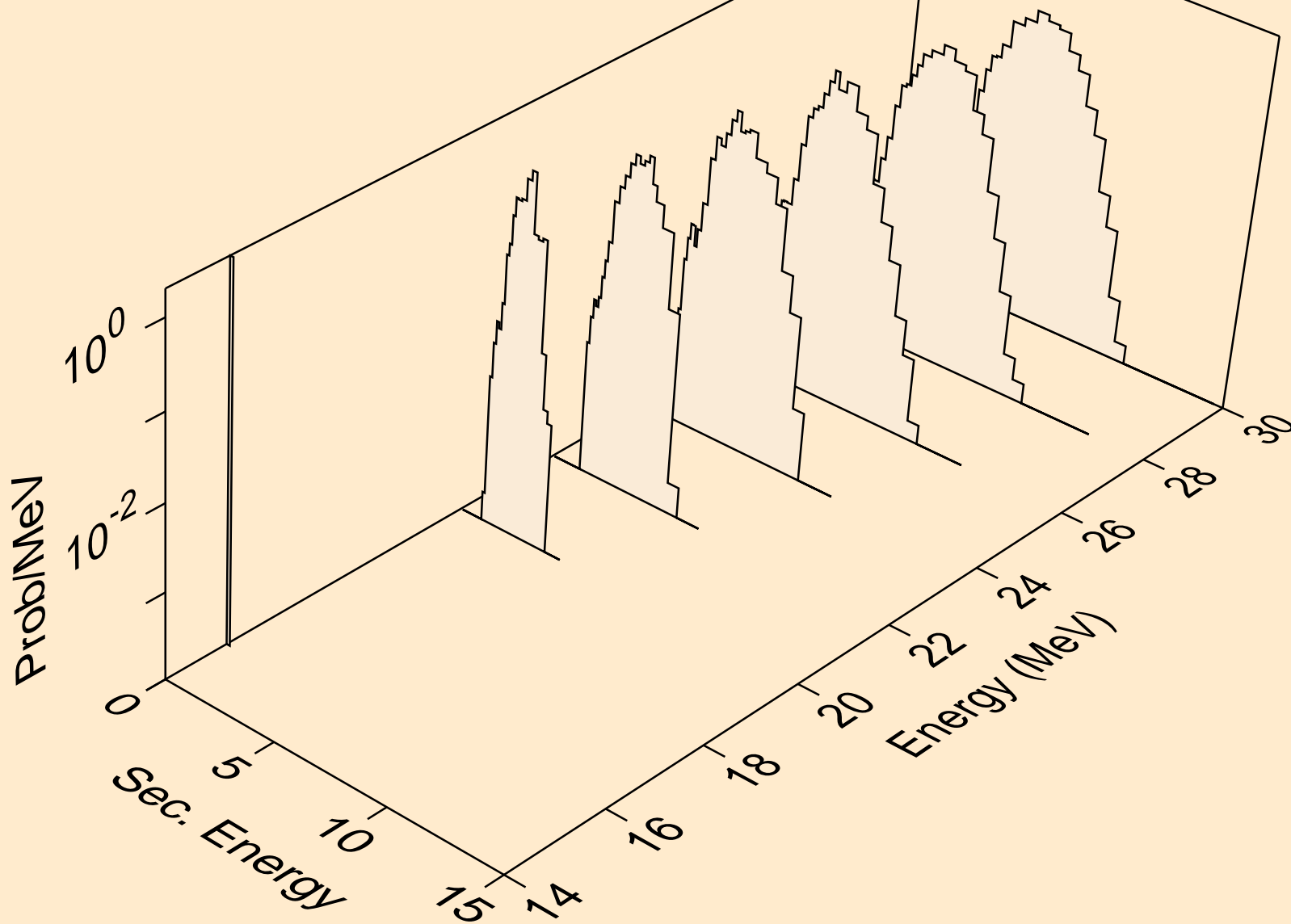
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protons from (n,3np)



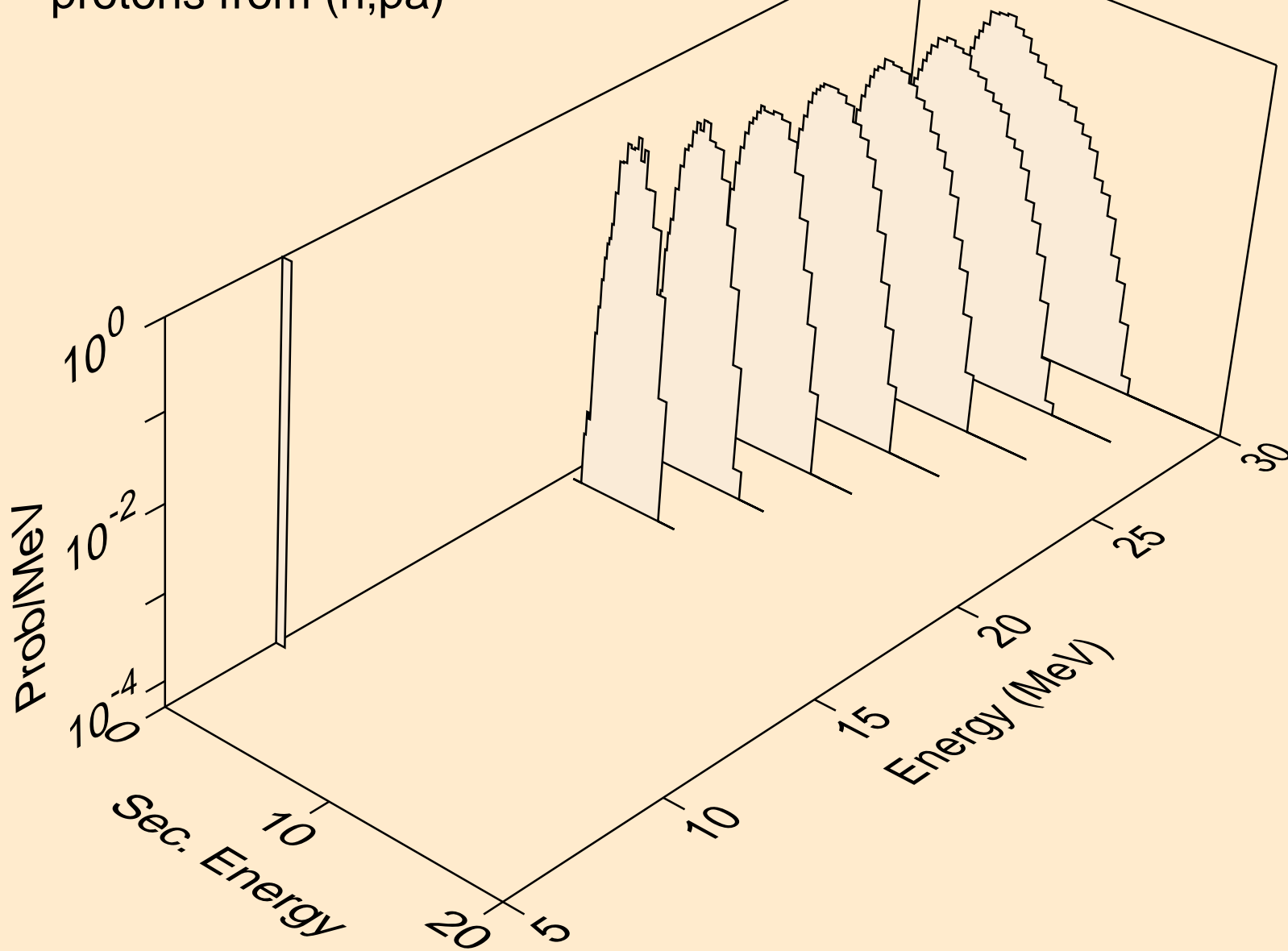
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protons from (n,p)



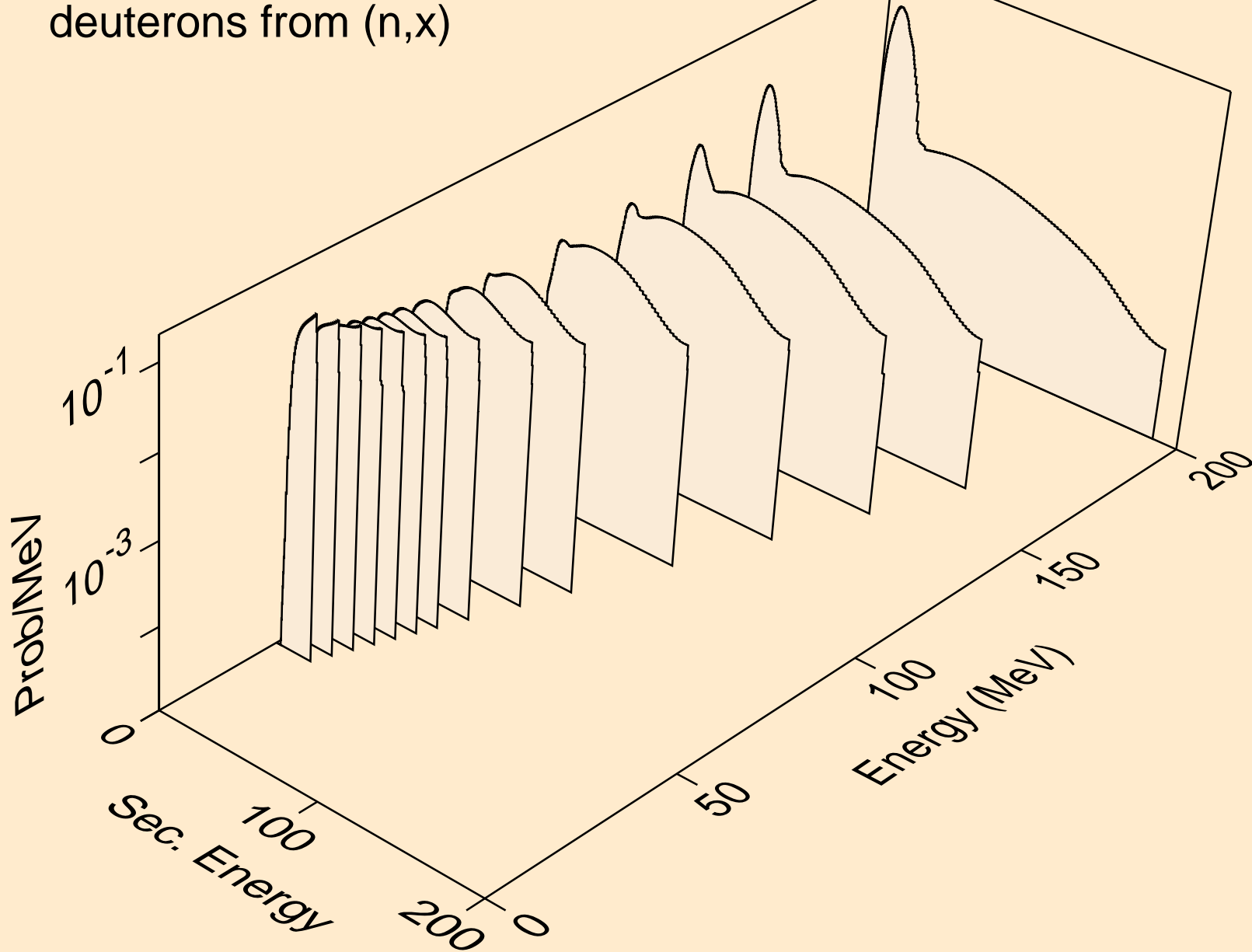
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protons from (n,2p)



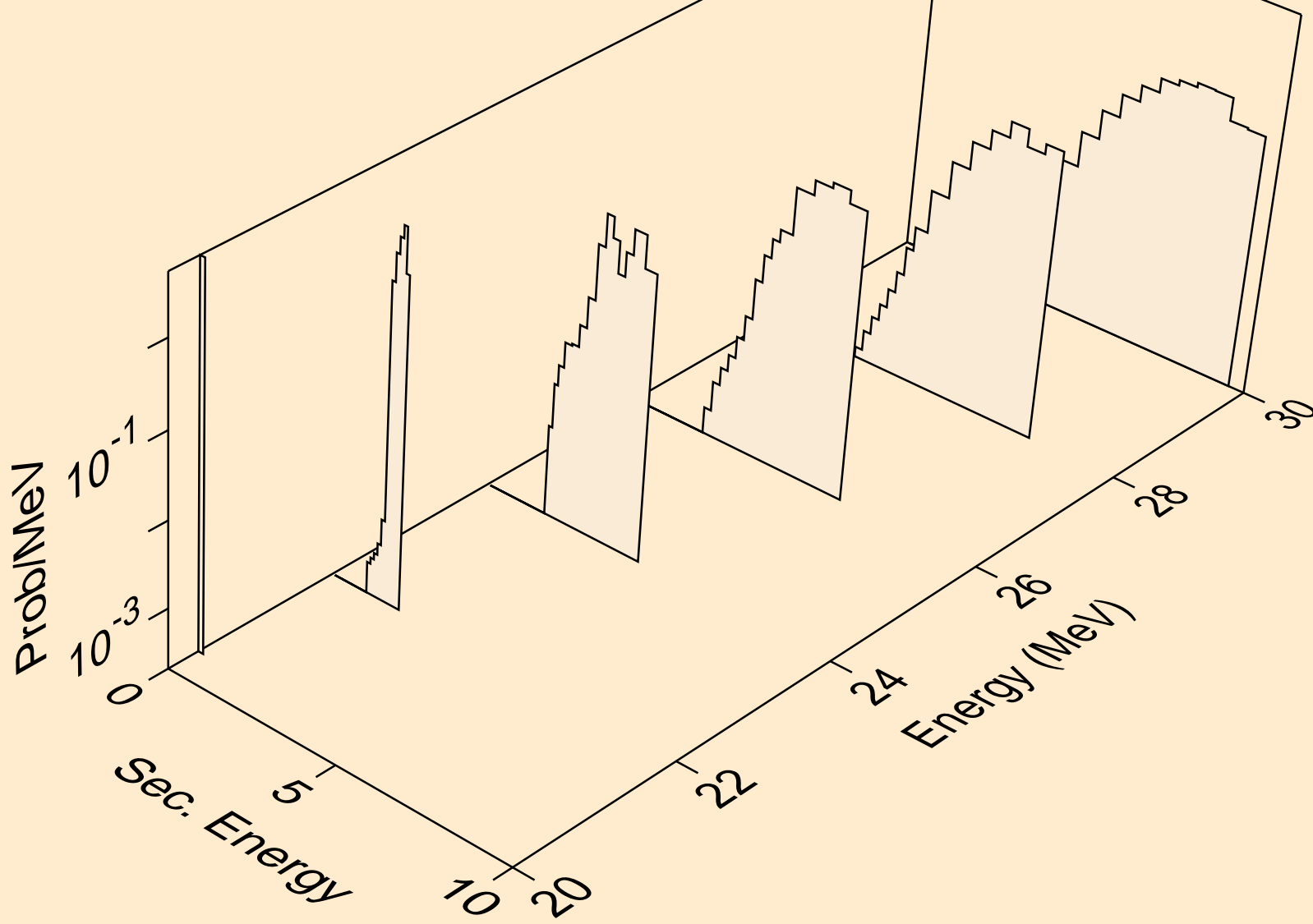
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protons from (n,p)



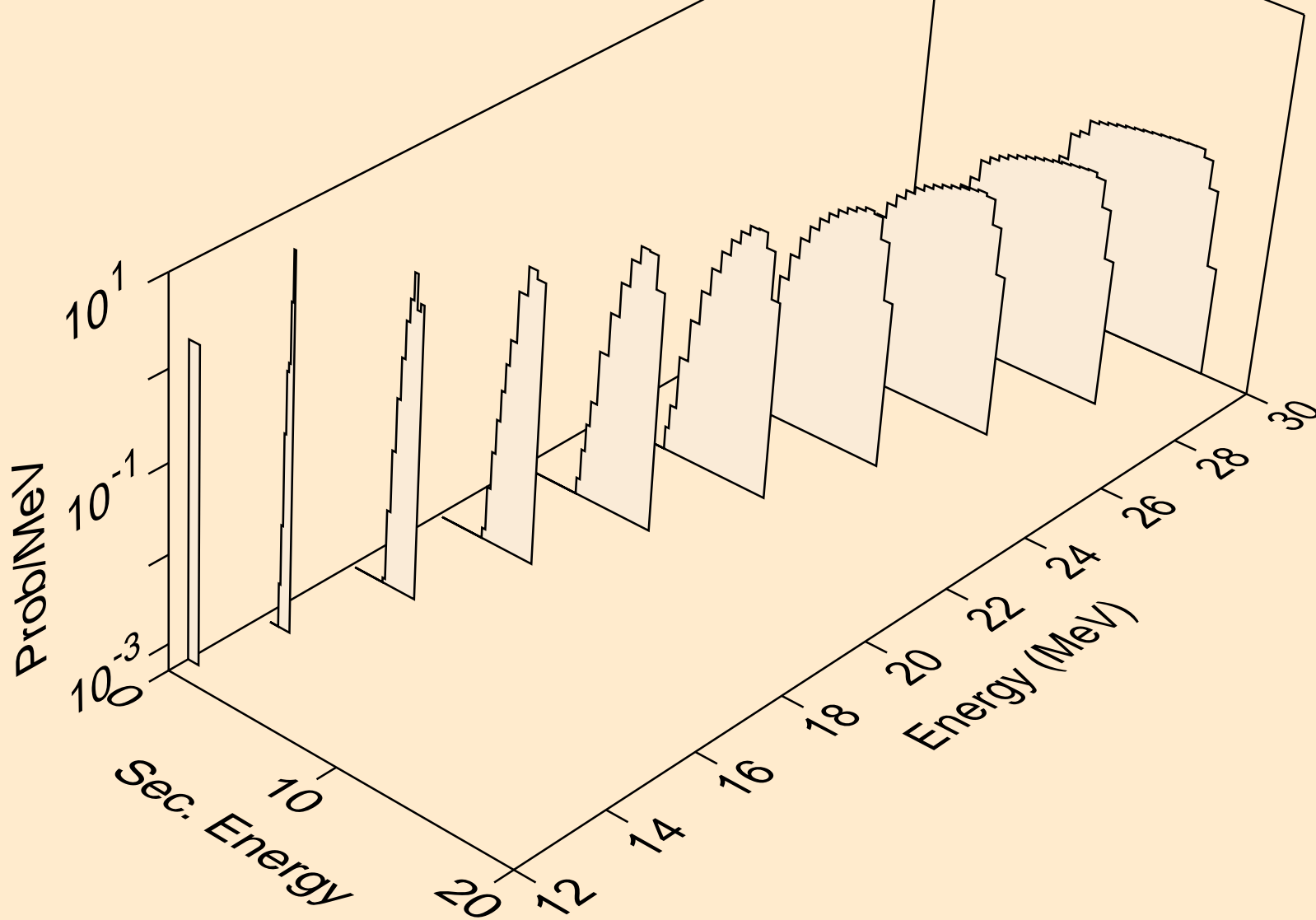
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deuterons from (n,x)



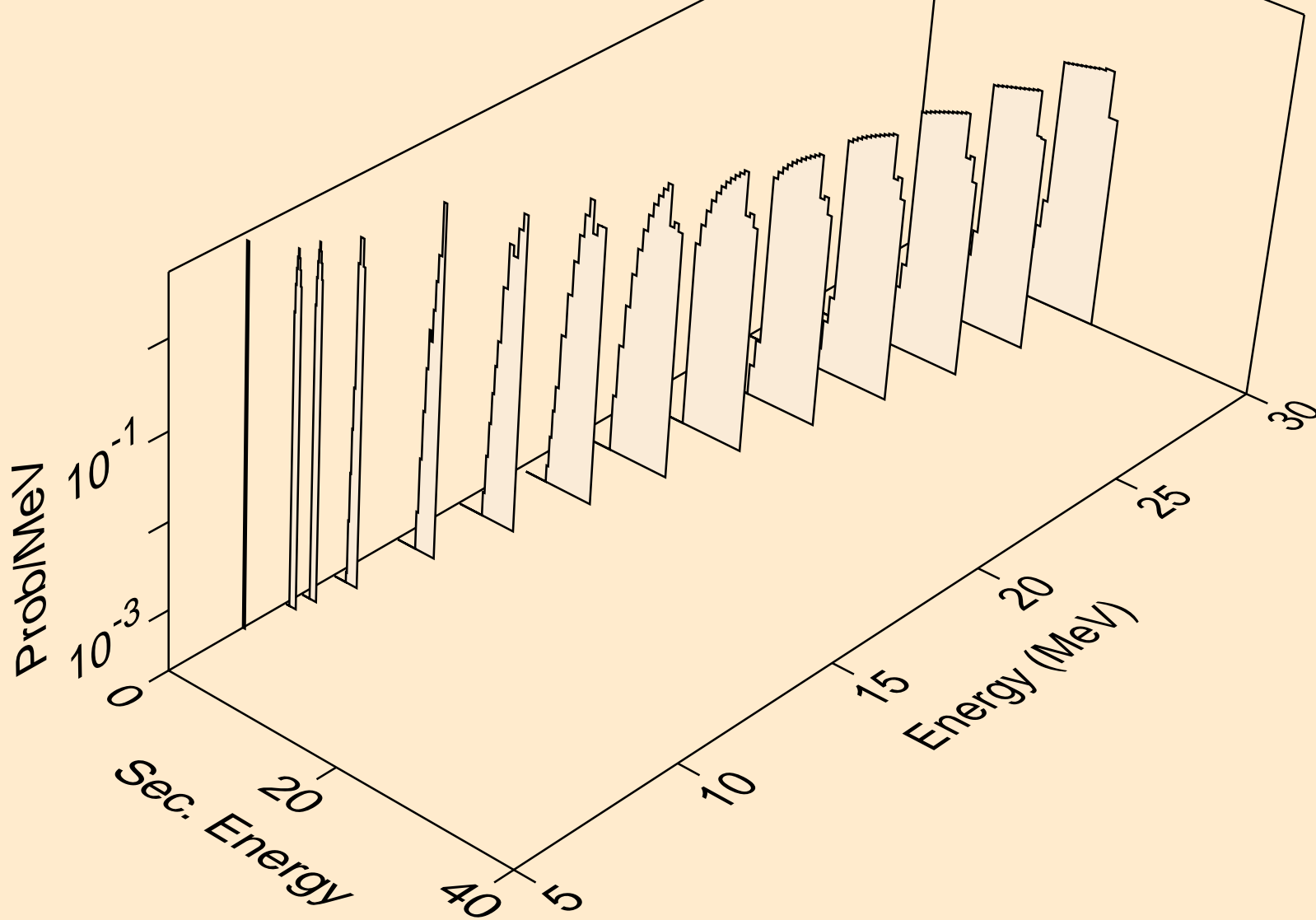
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)



RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d

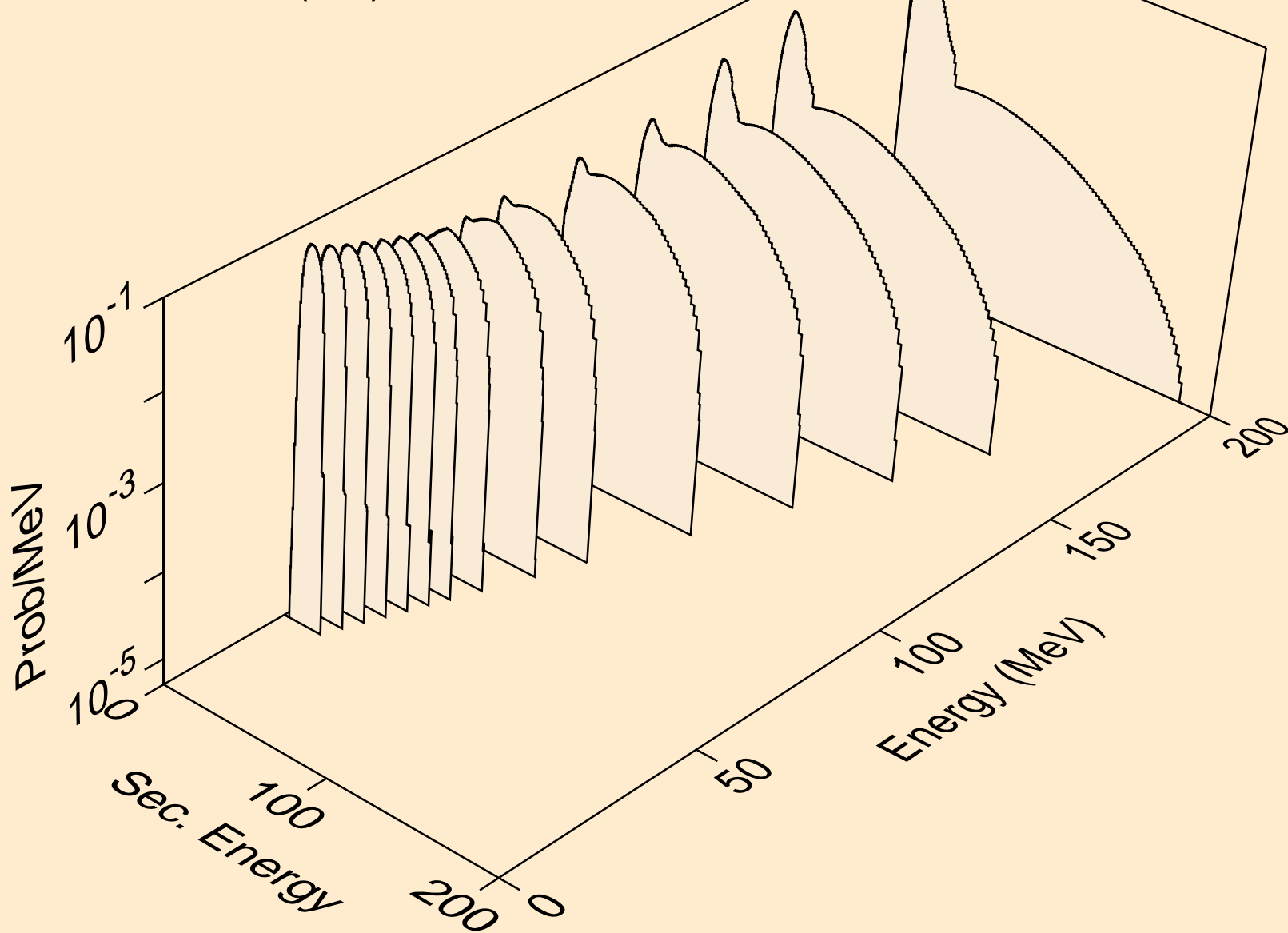


RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)

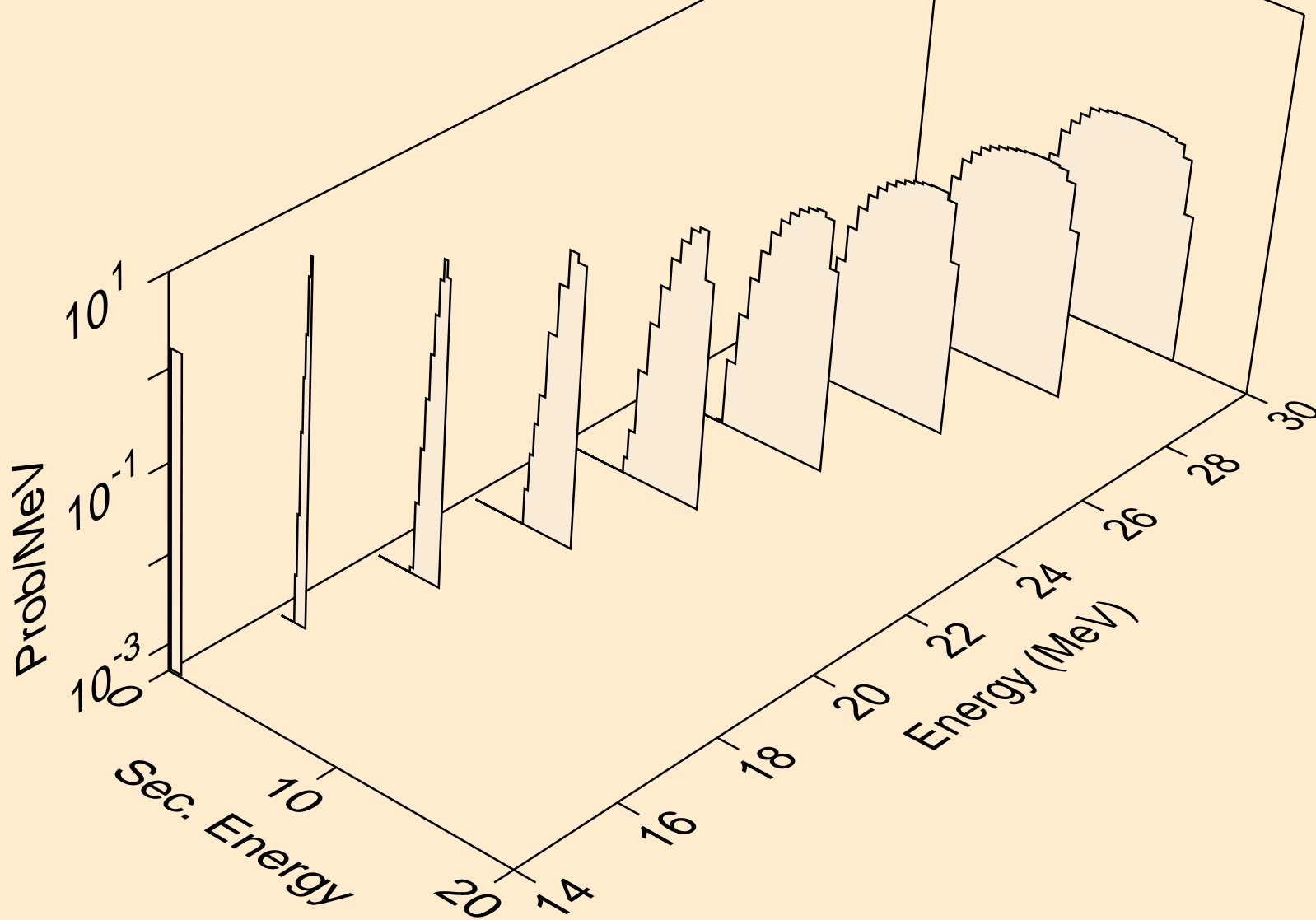




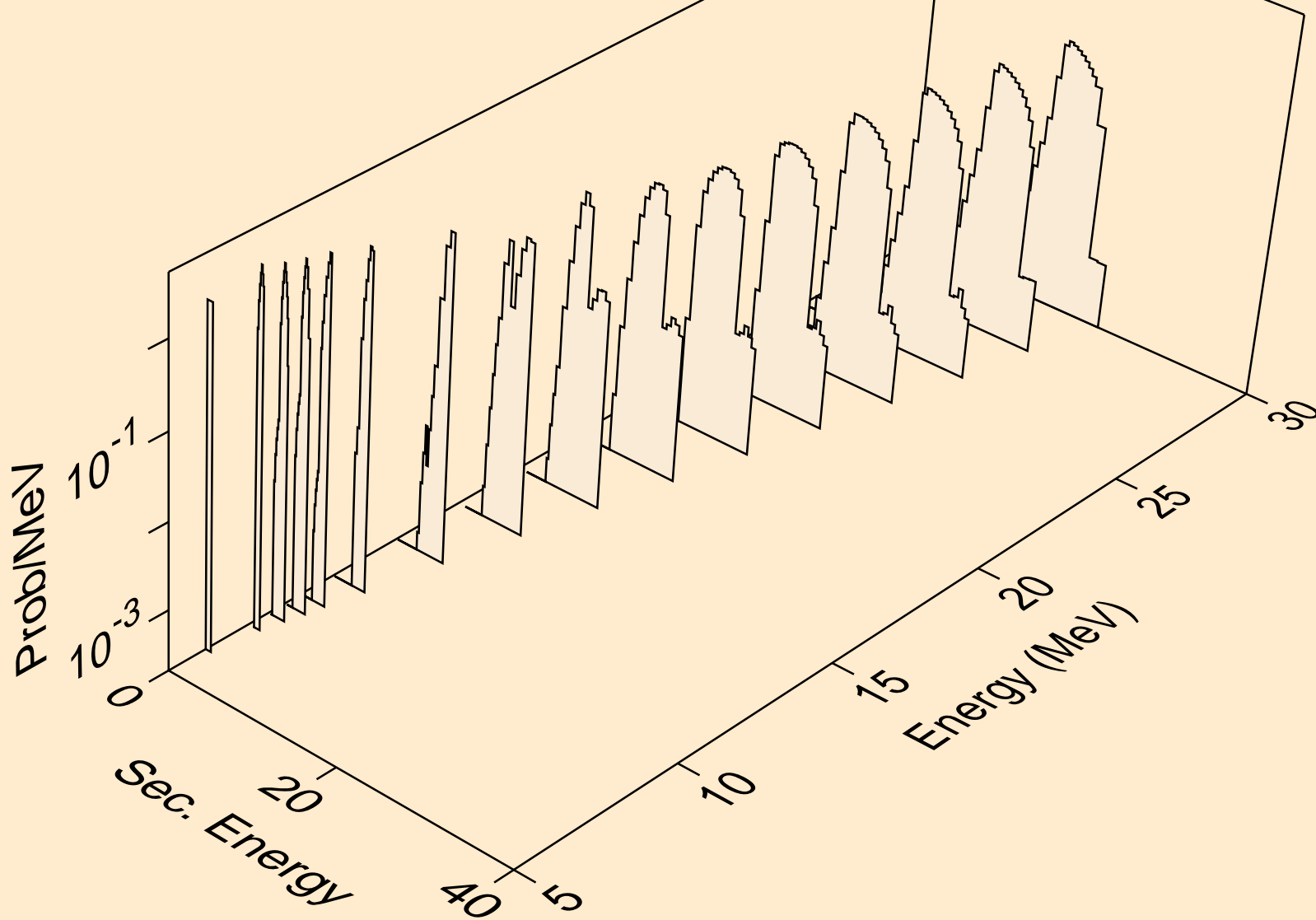
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)



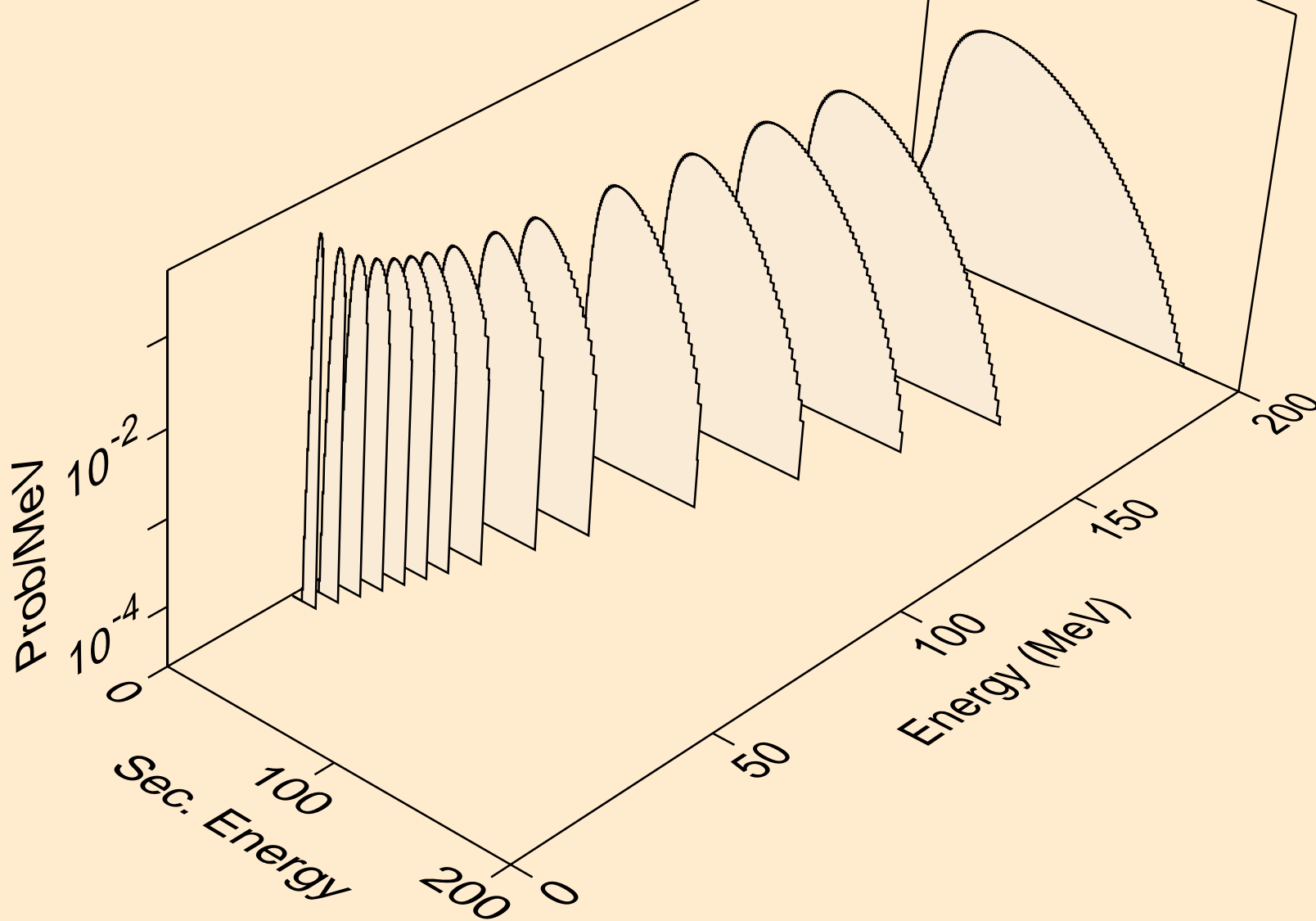
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



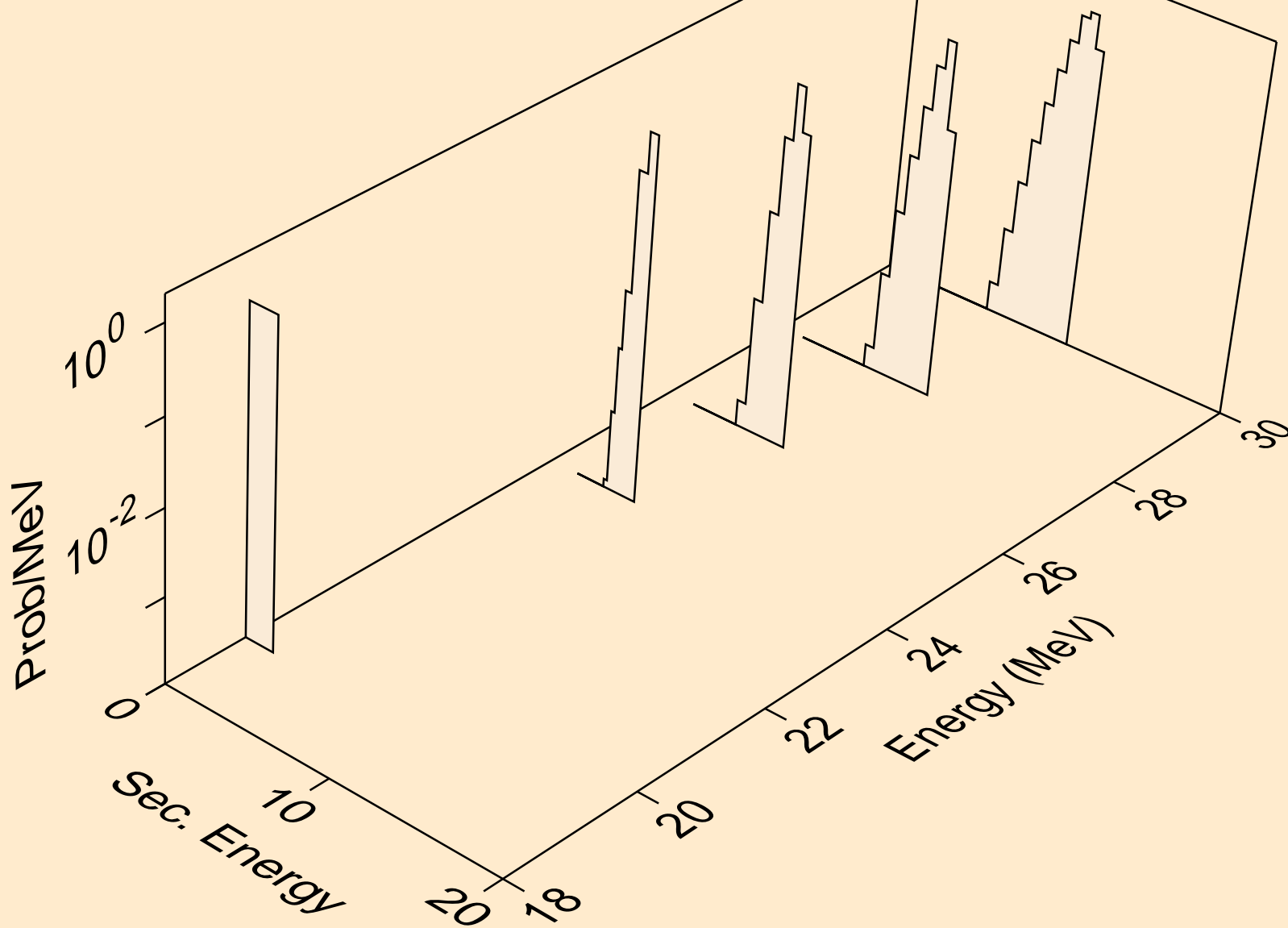
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)



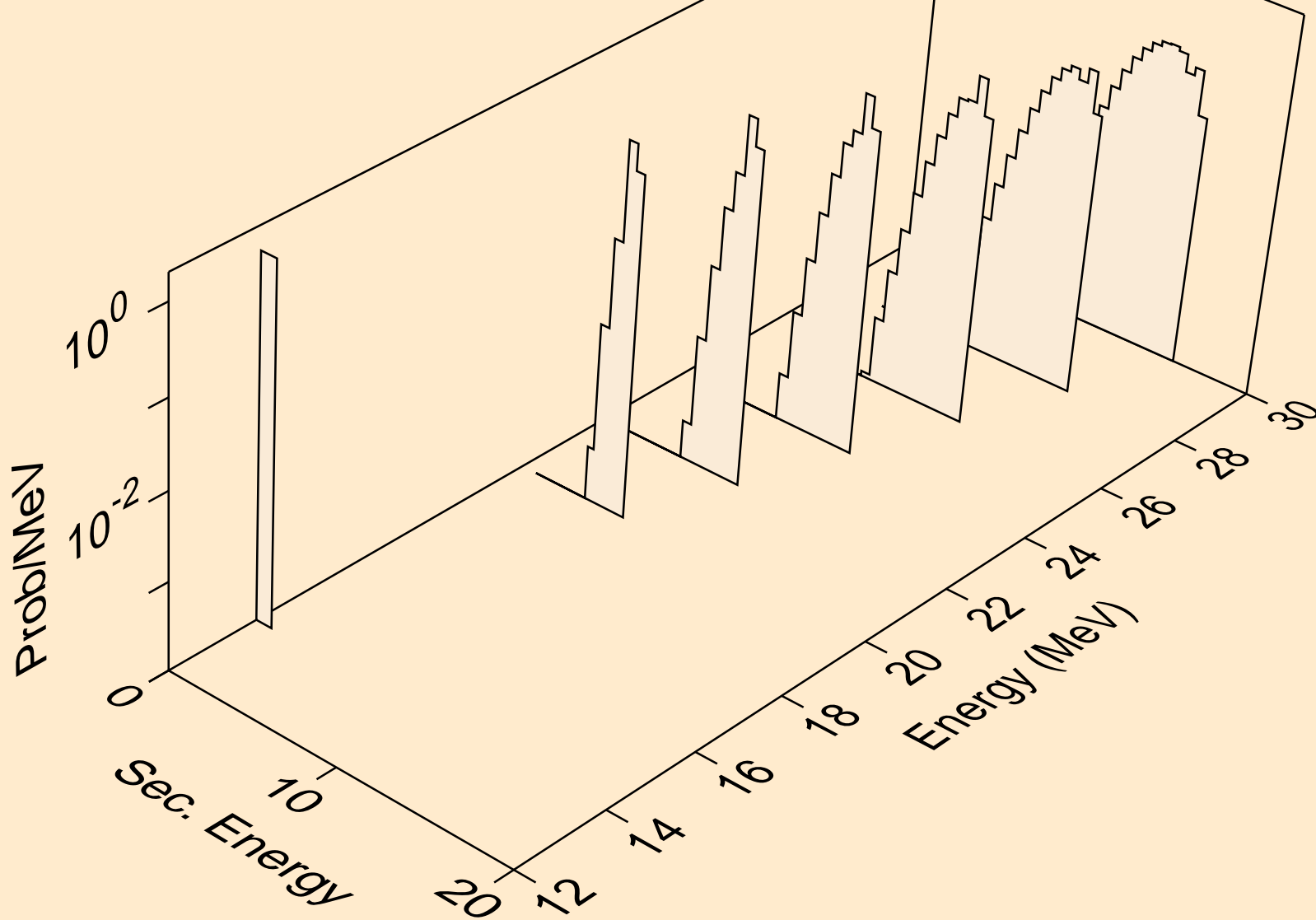
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)



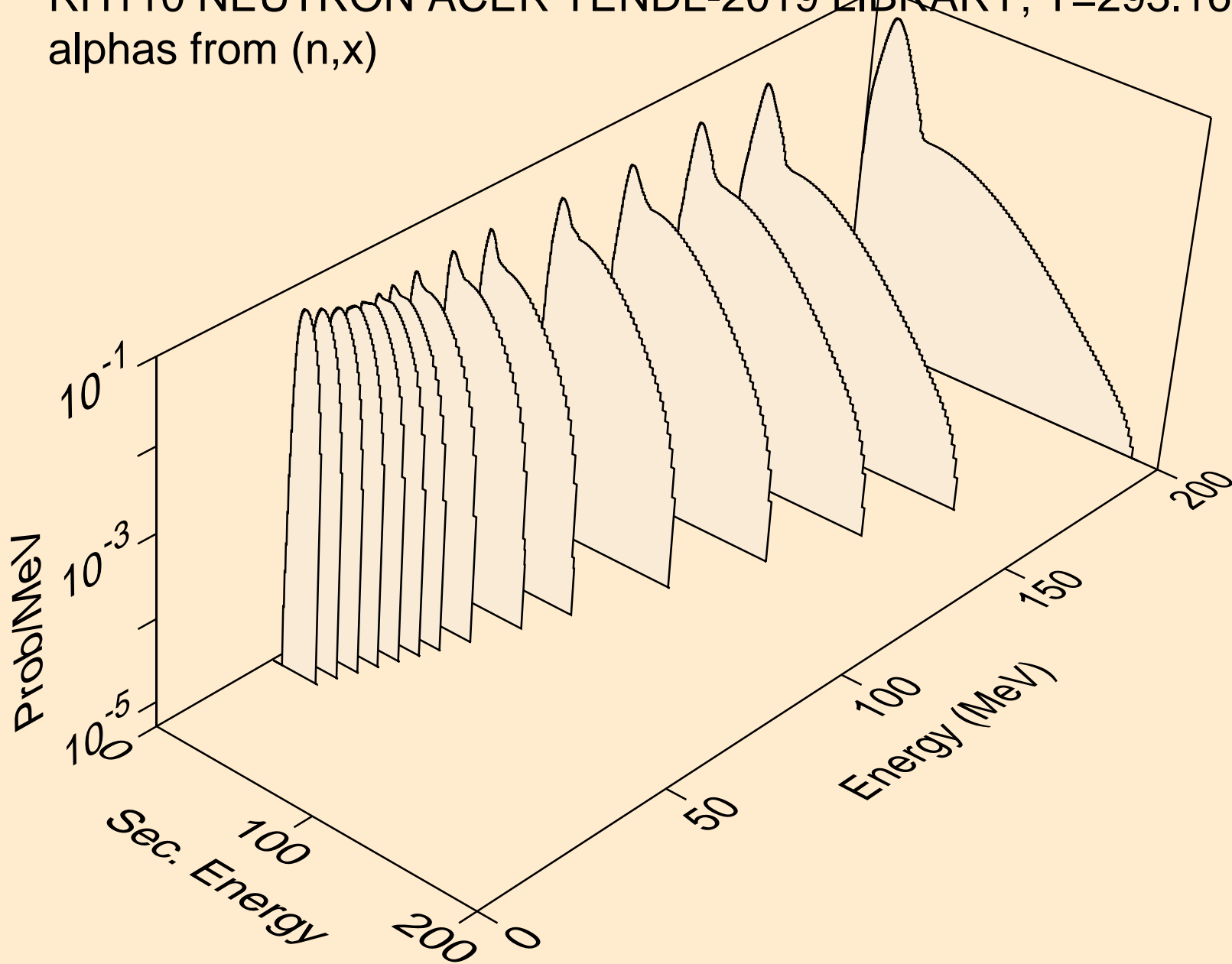
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3



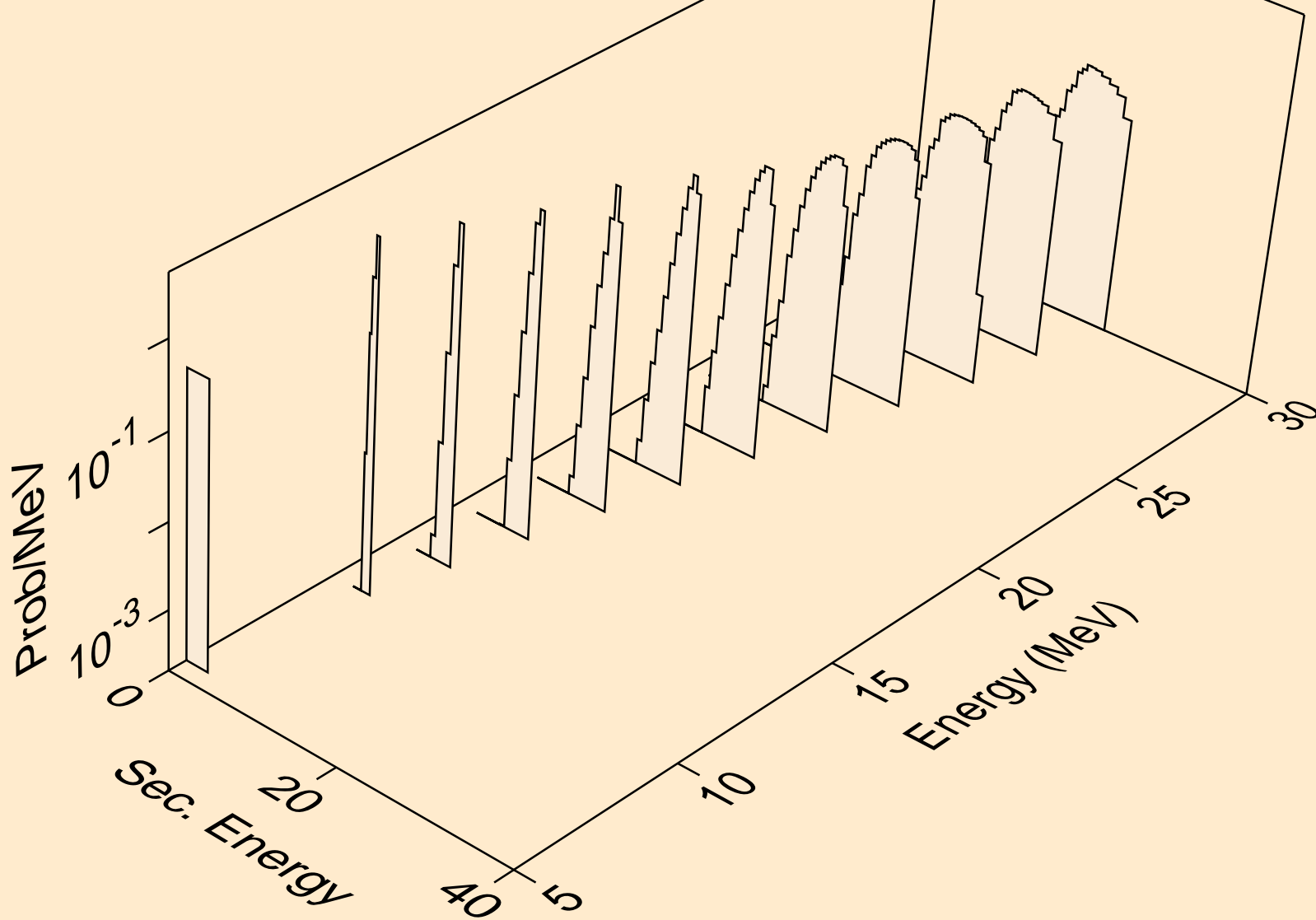
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)



RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)

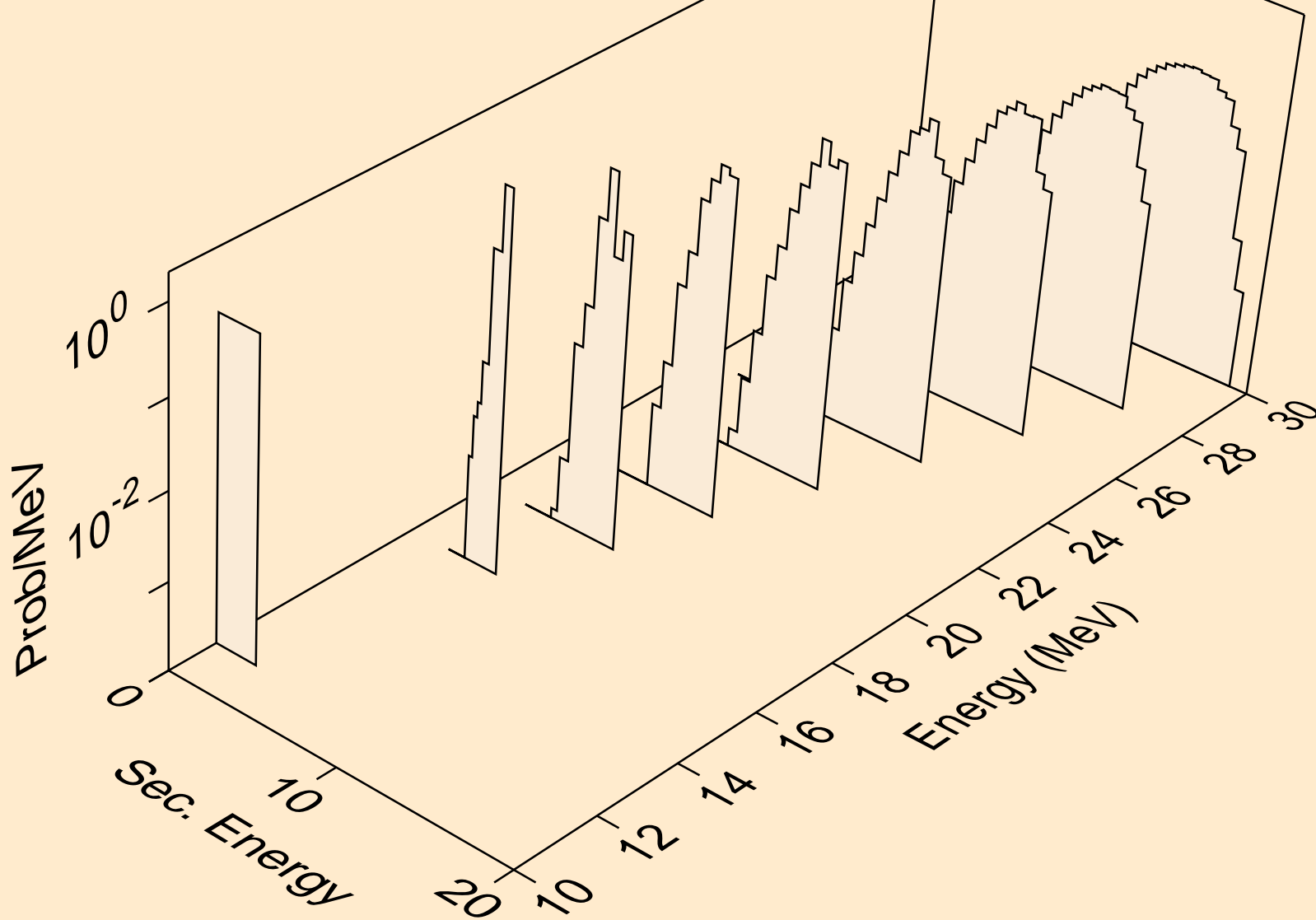


RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a

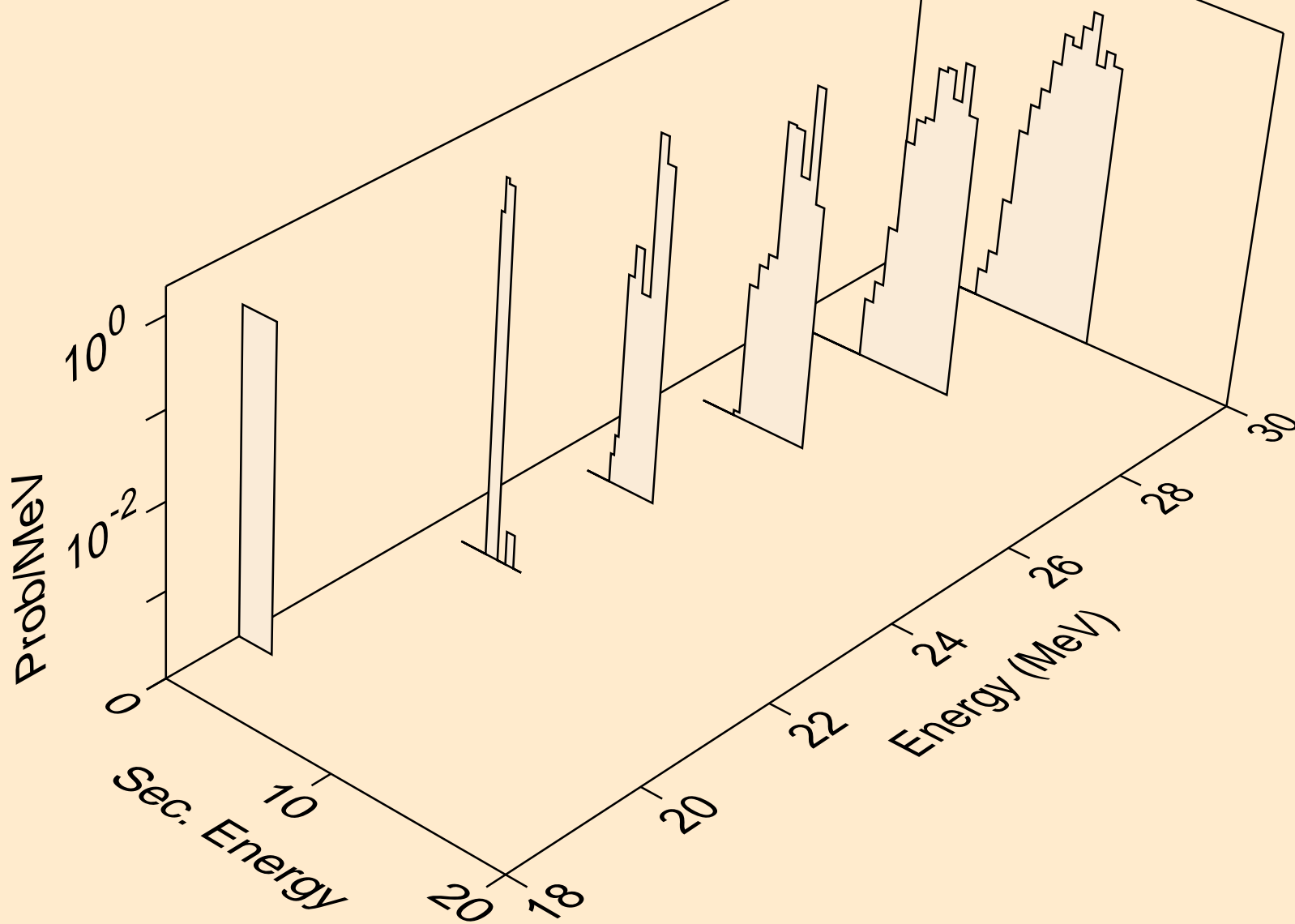




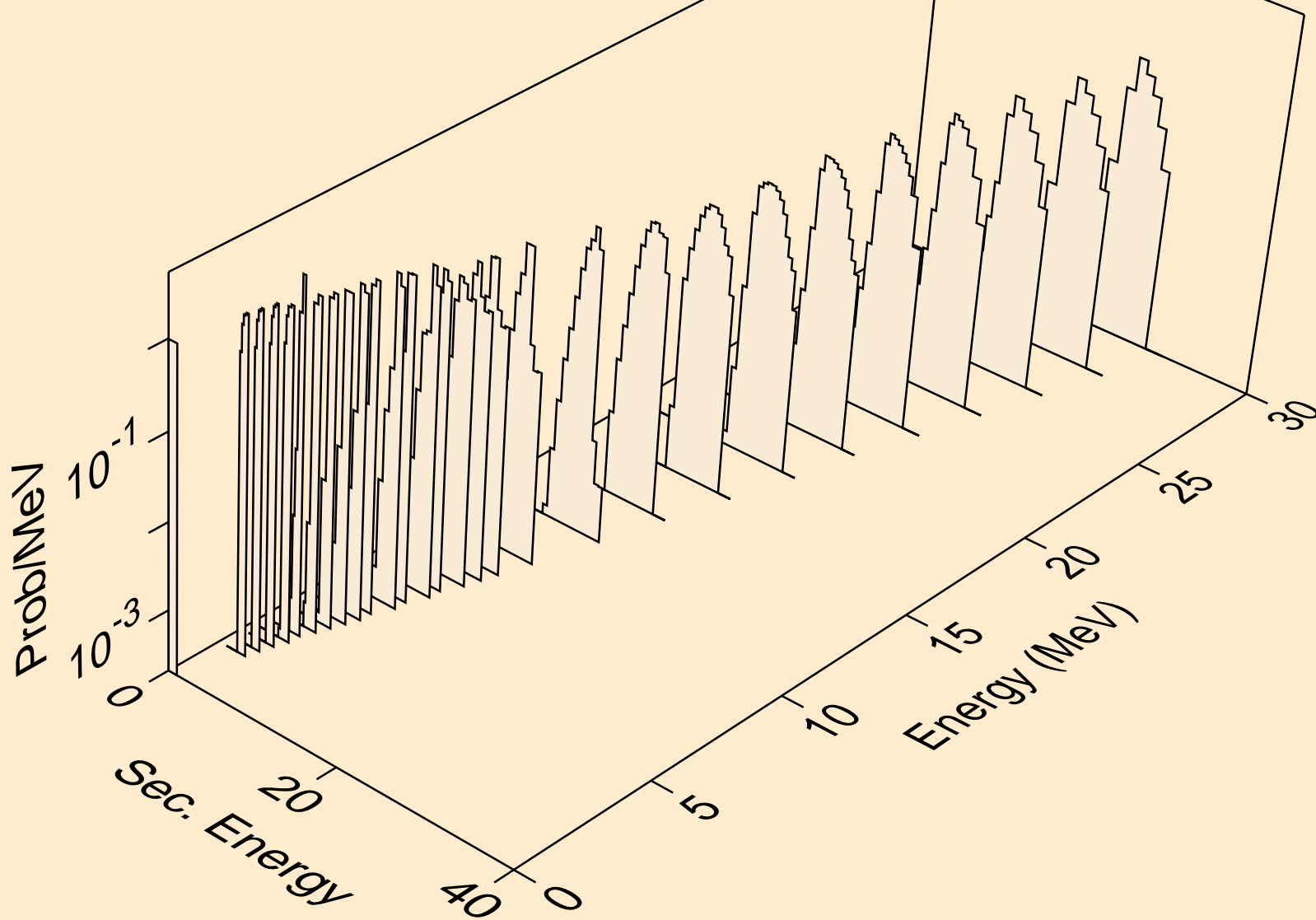
RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)



RH110 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)

