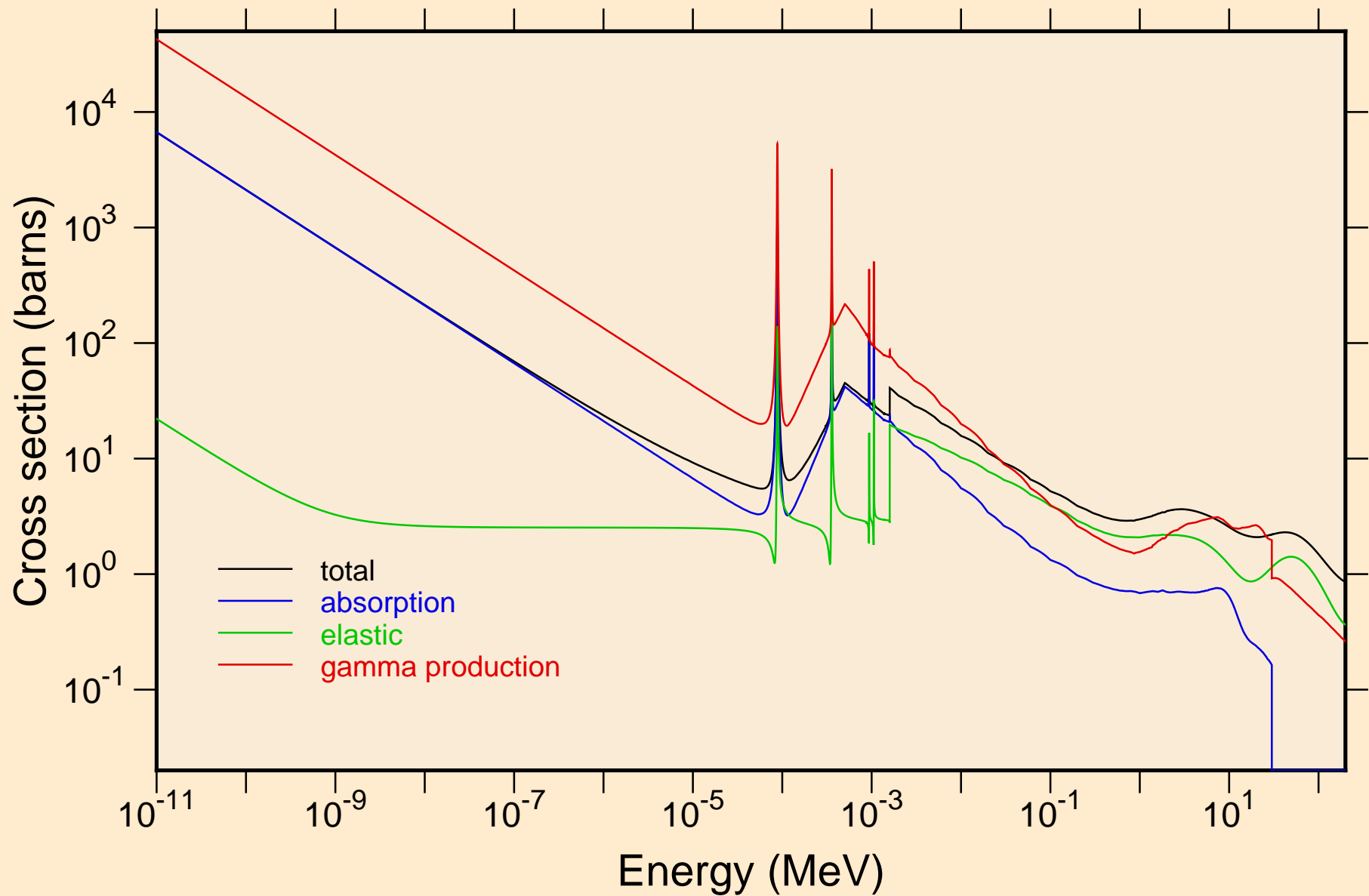
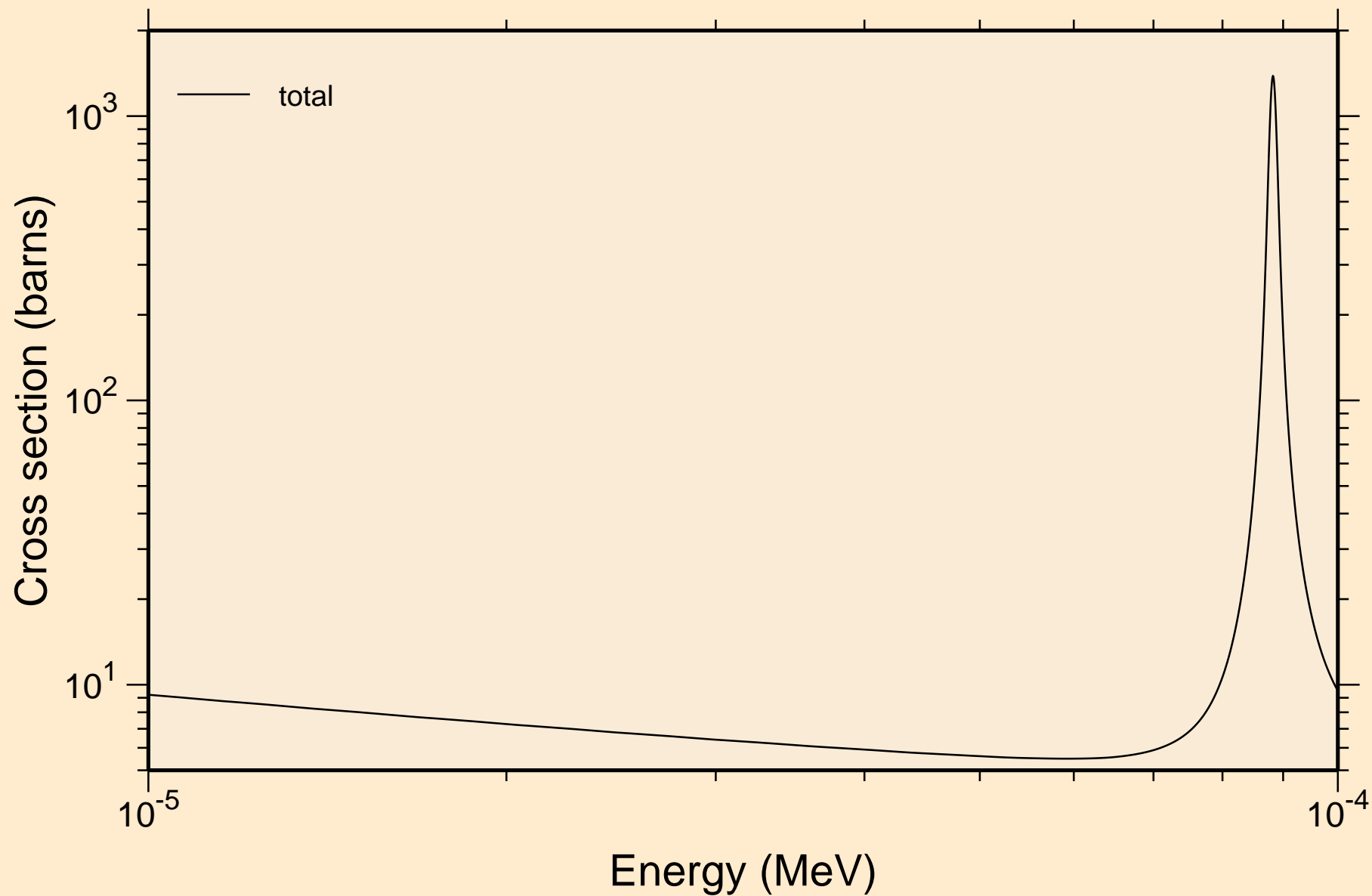


# SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

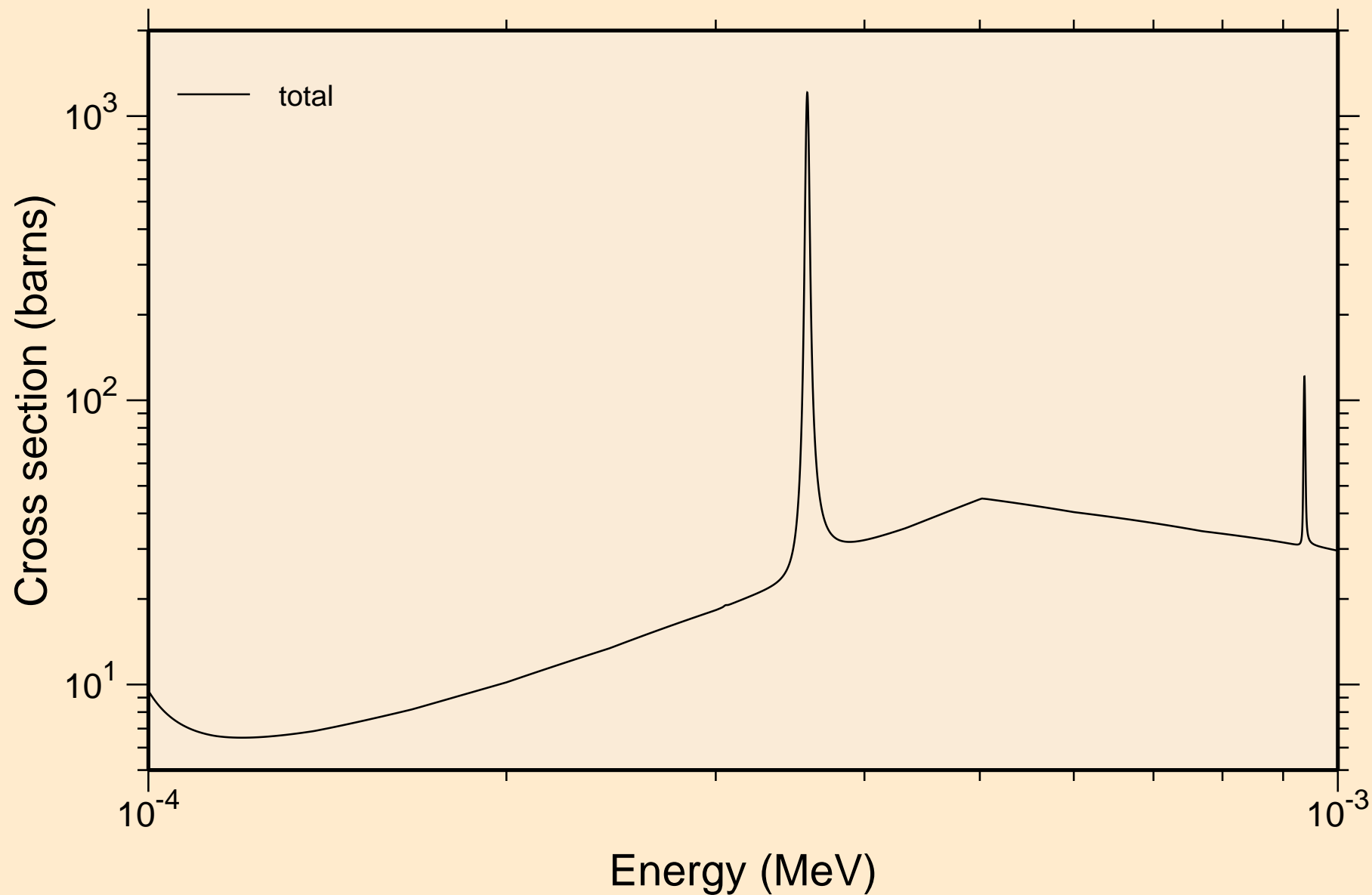
## Principal cross sections



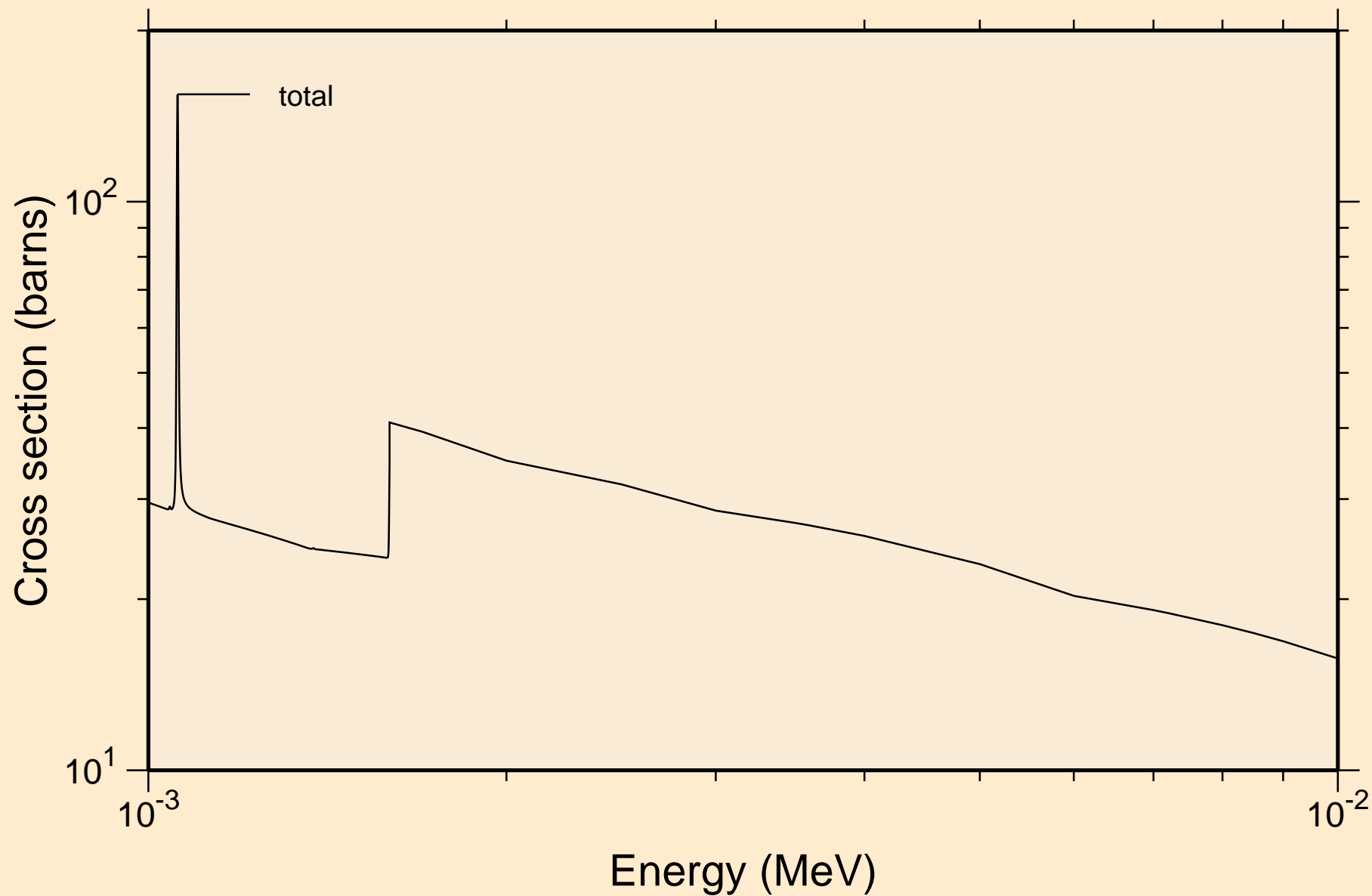
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resonance total cross section



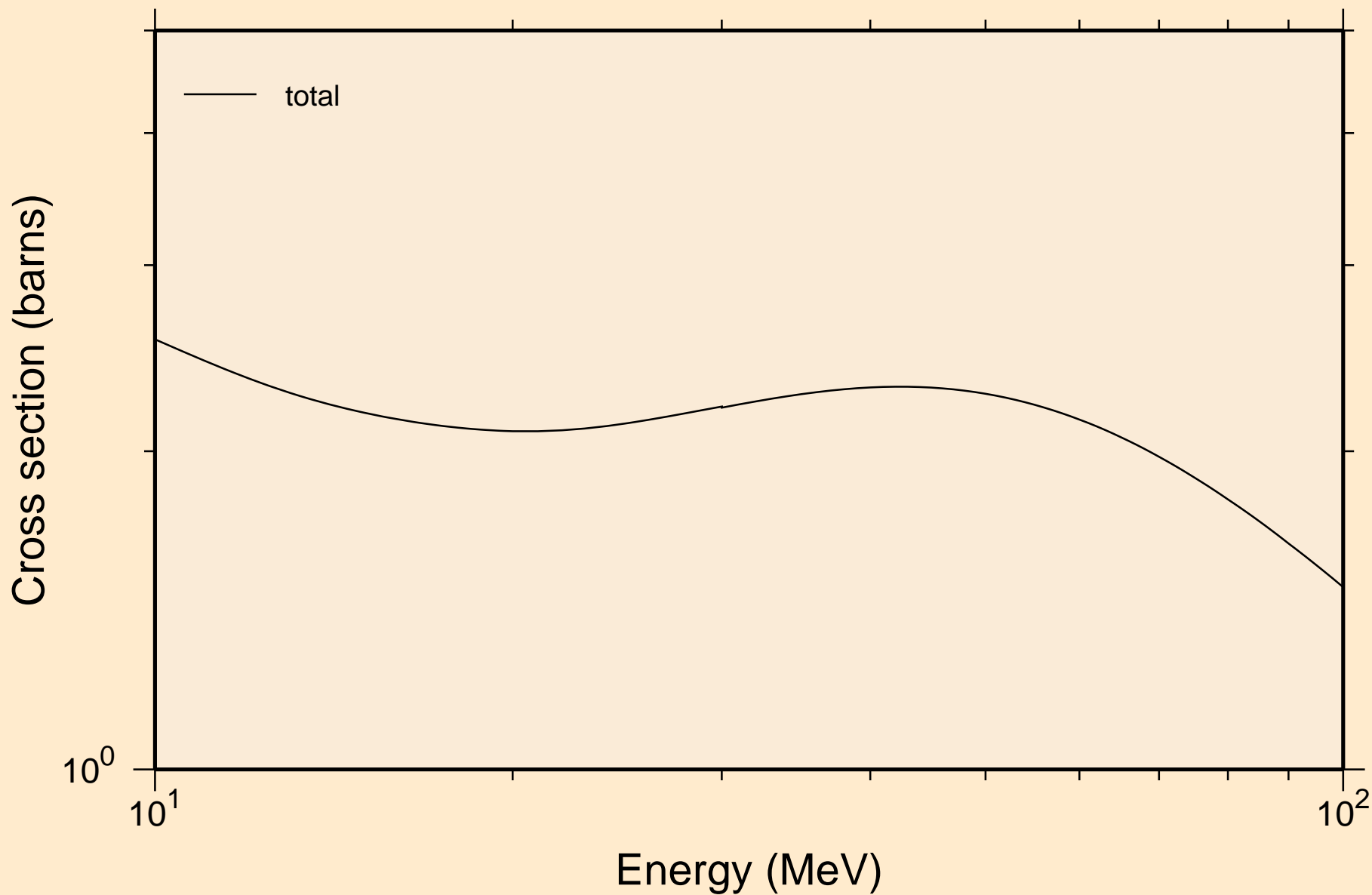
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resonance total cross section



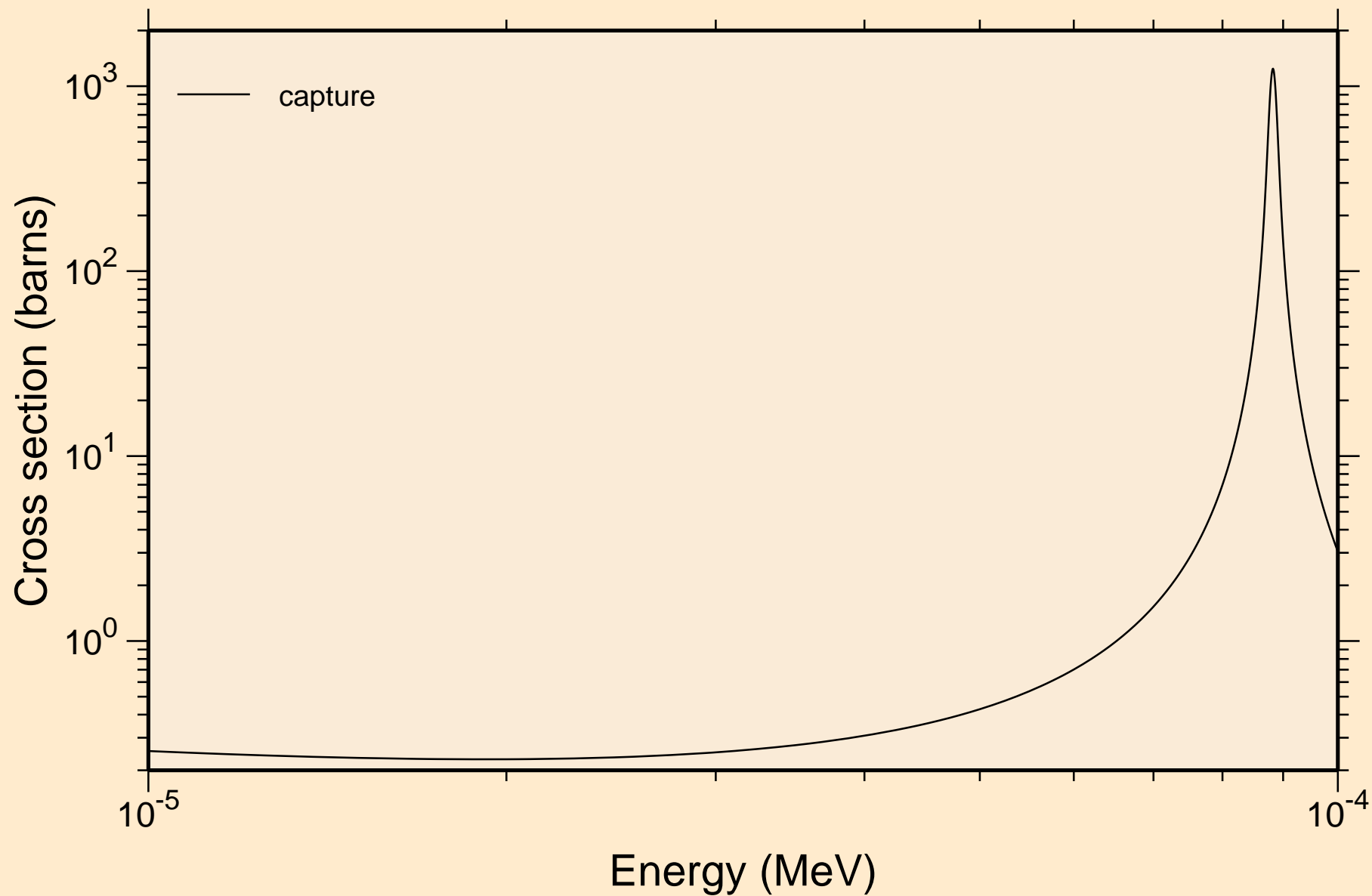
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resonance total cross section



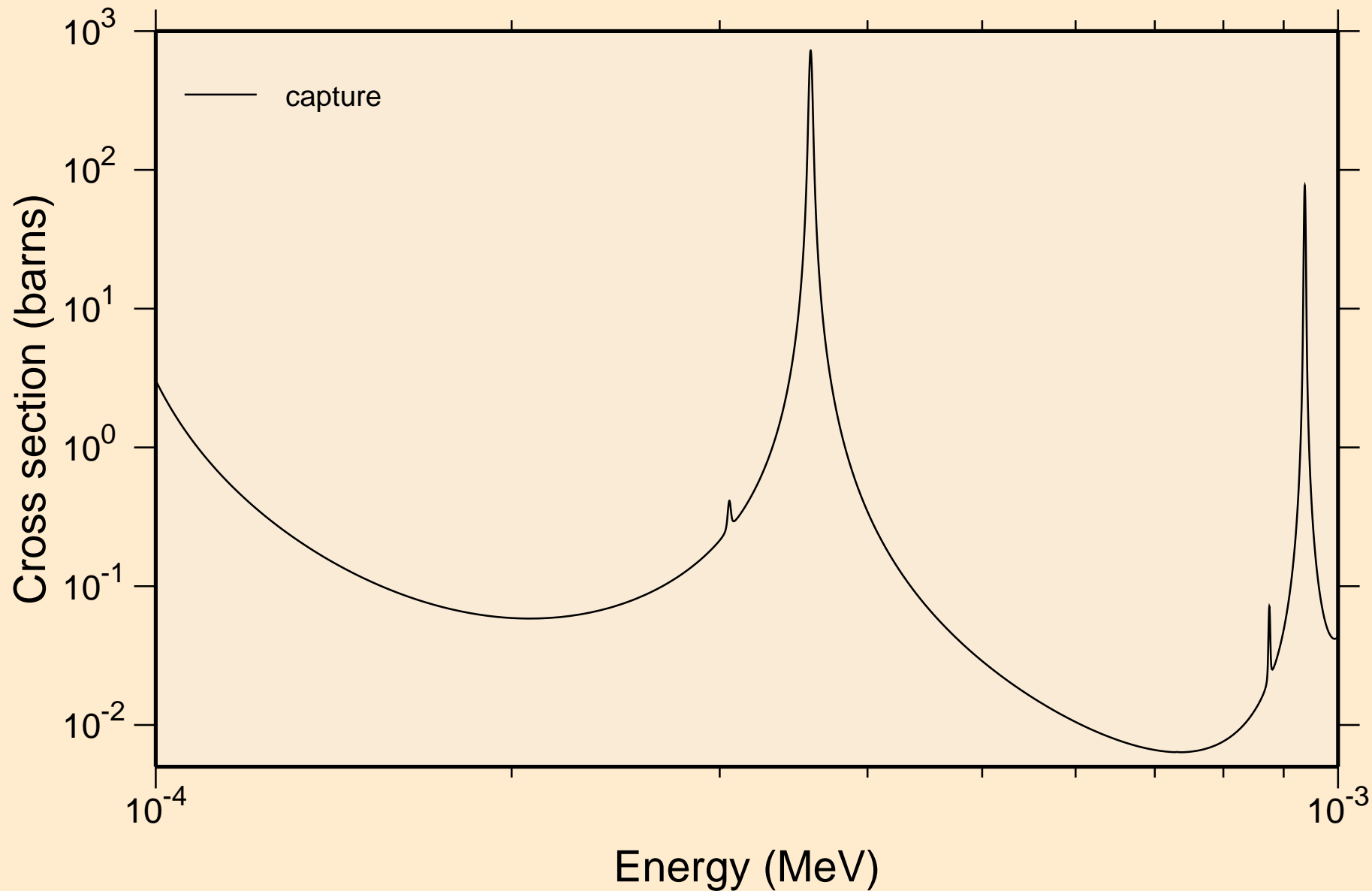
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resonance total cross section



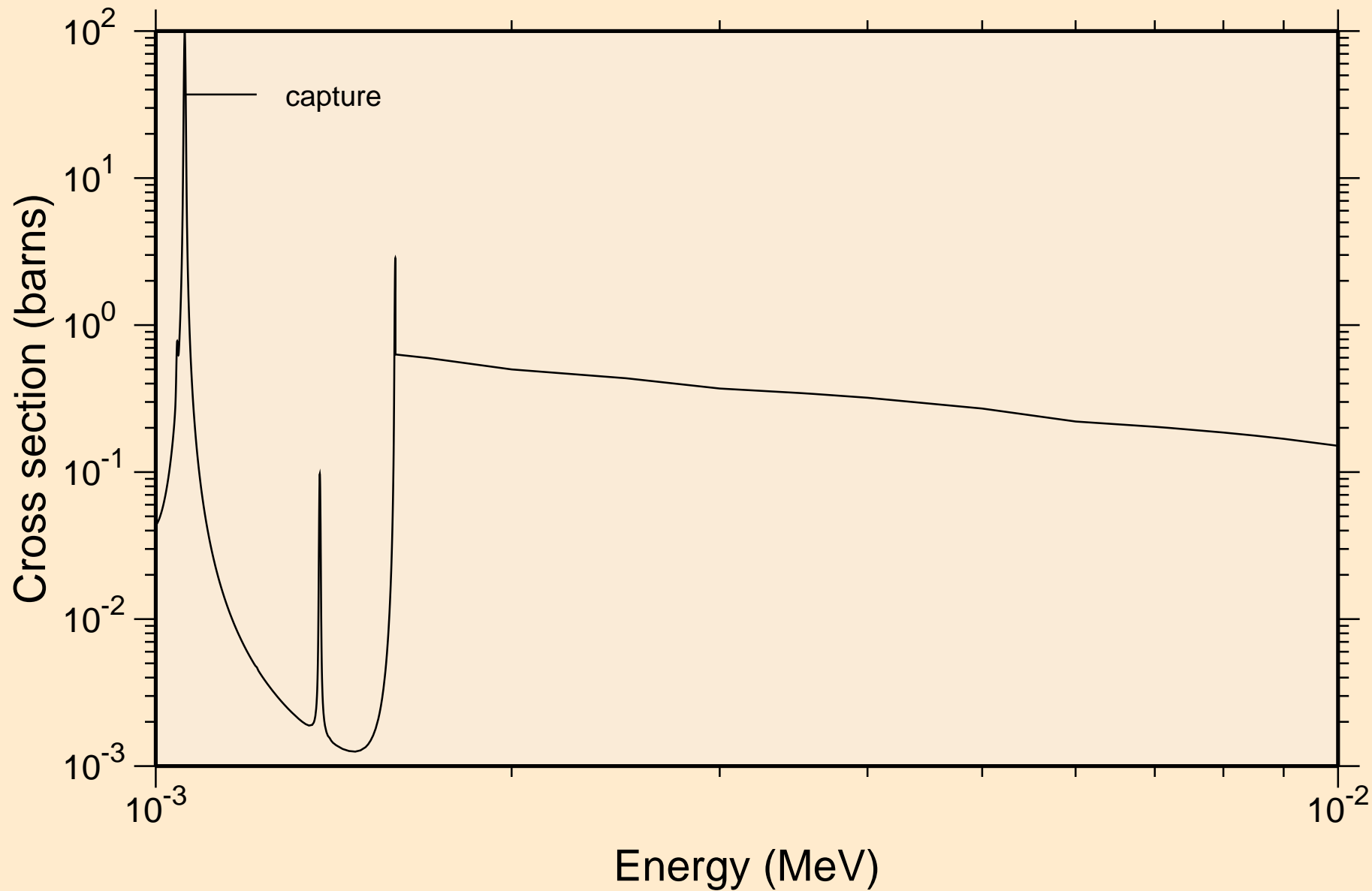
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

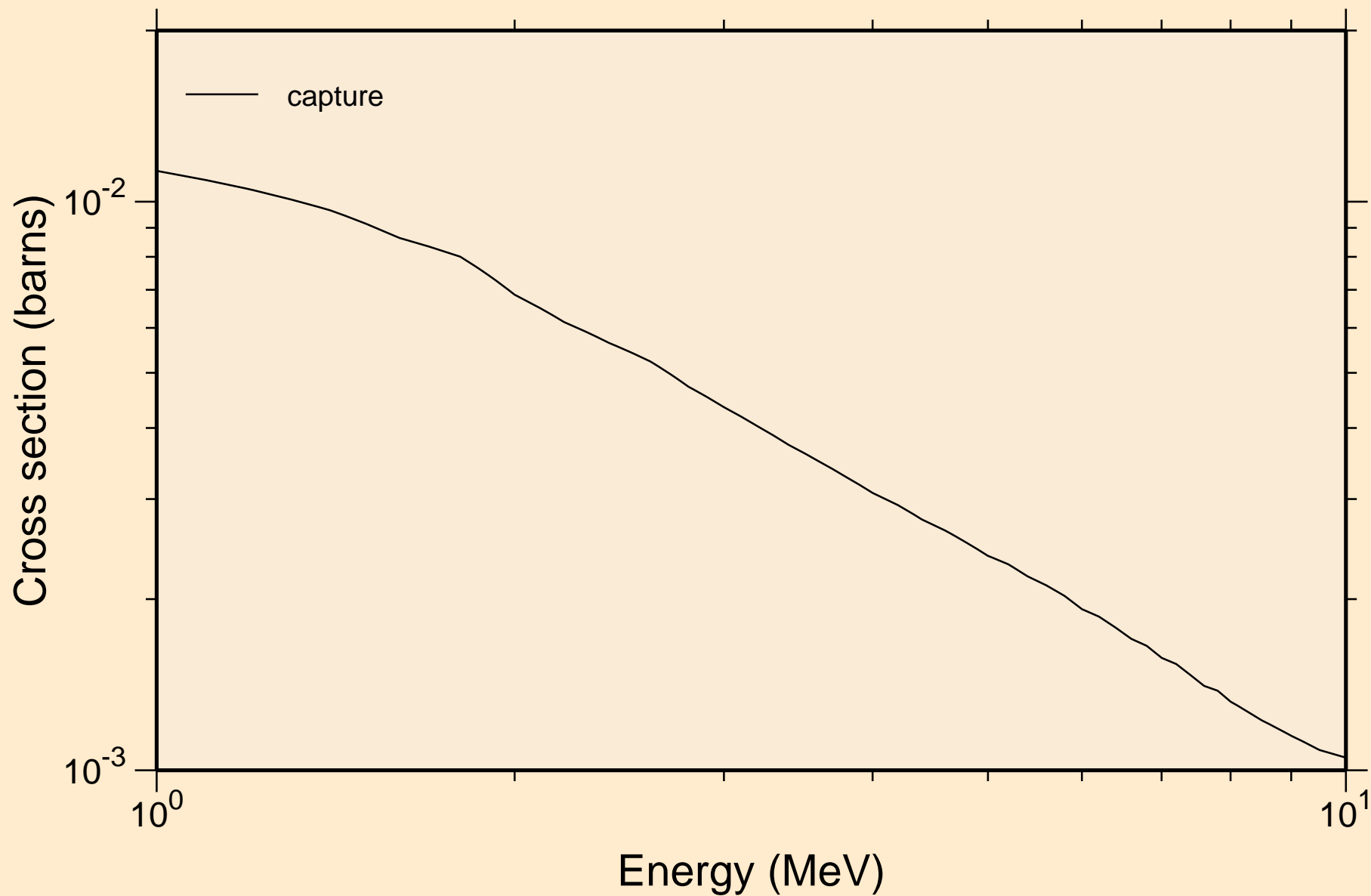


SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

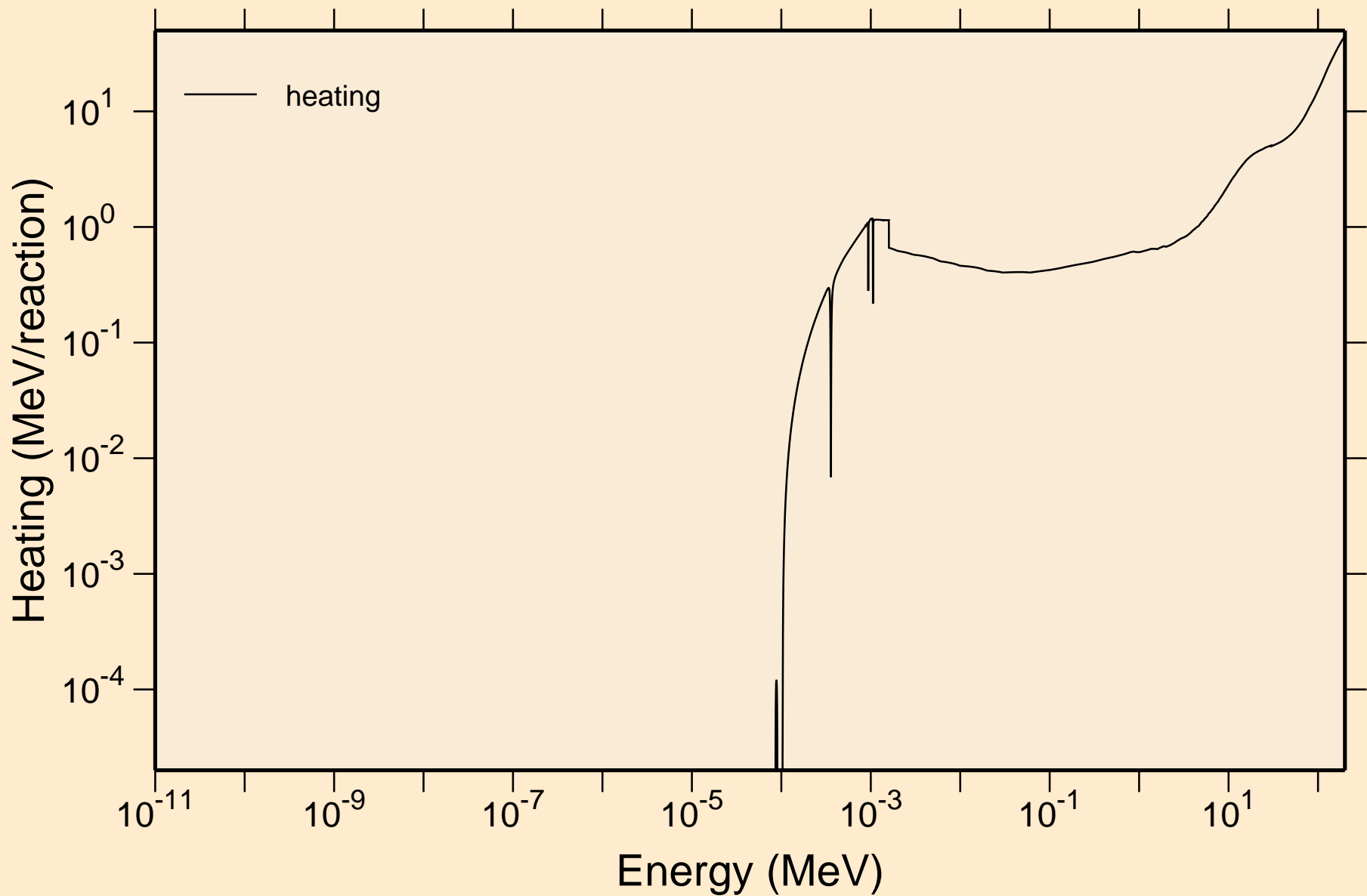




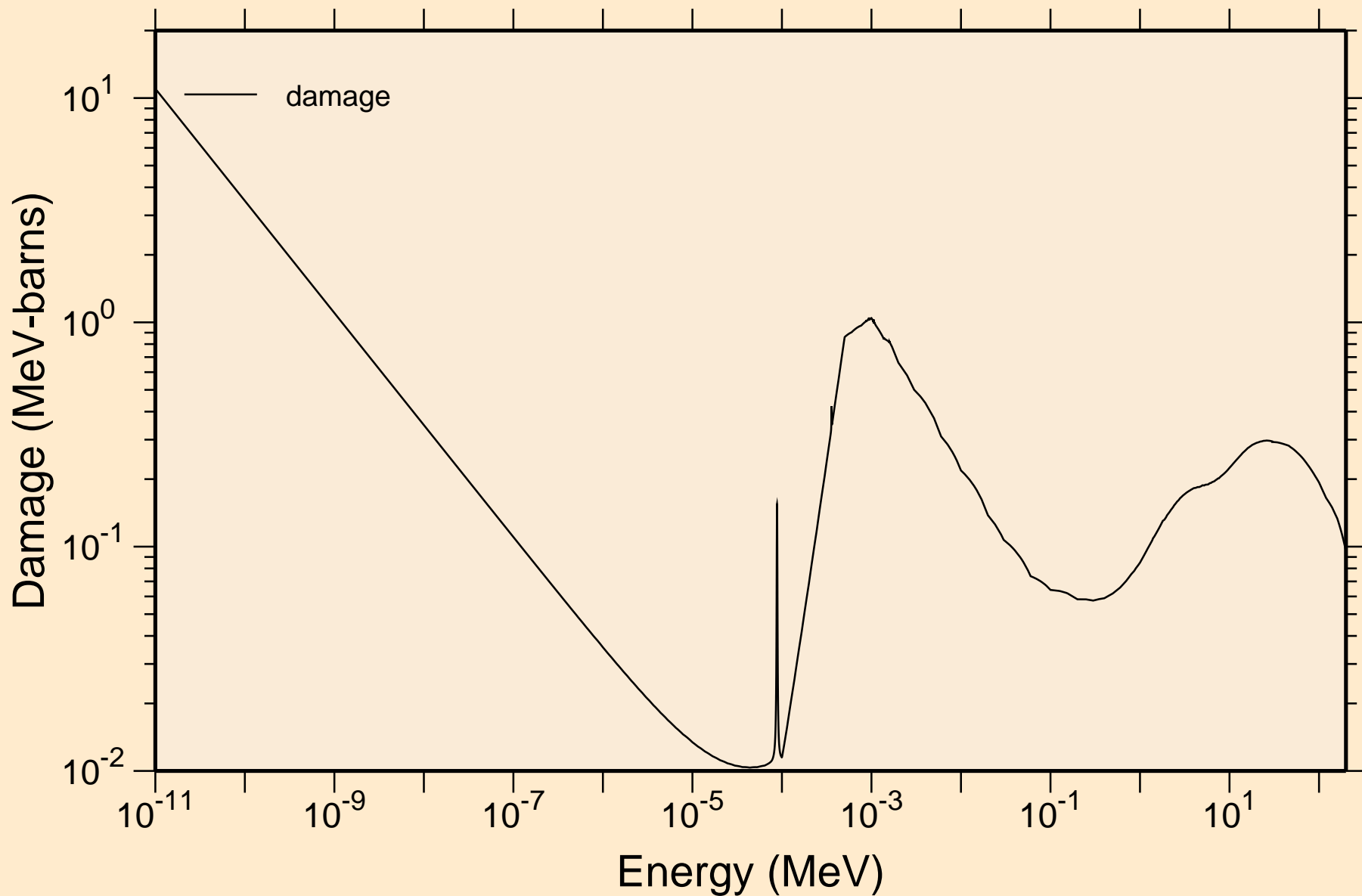
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



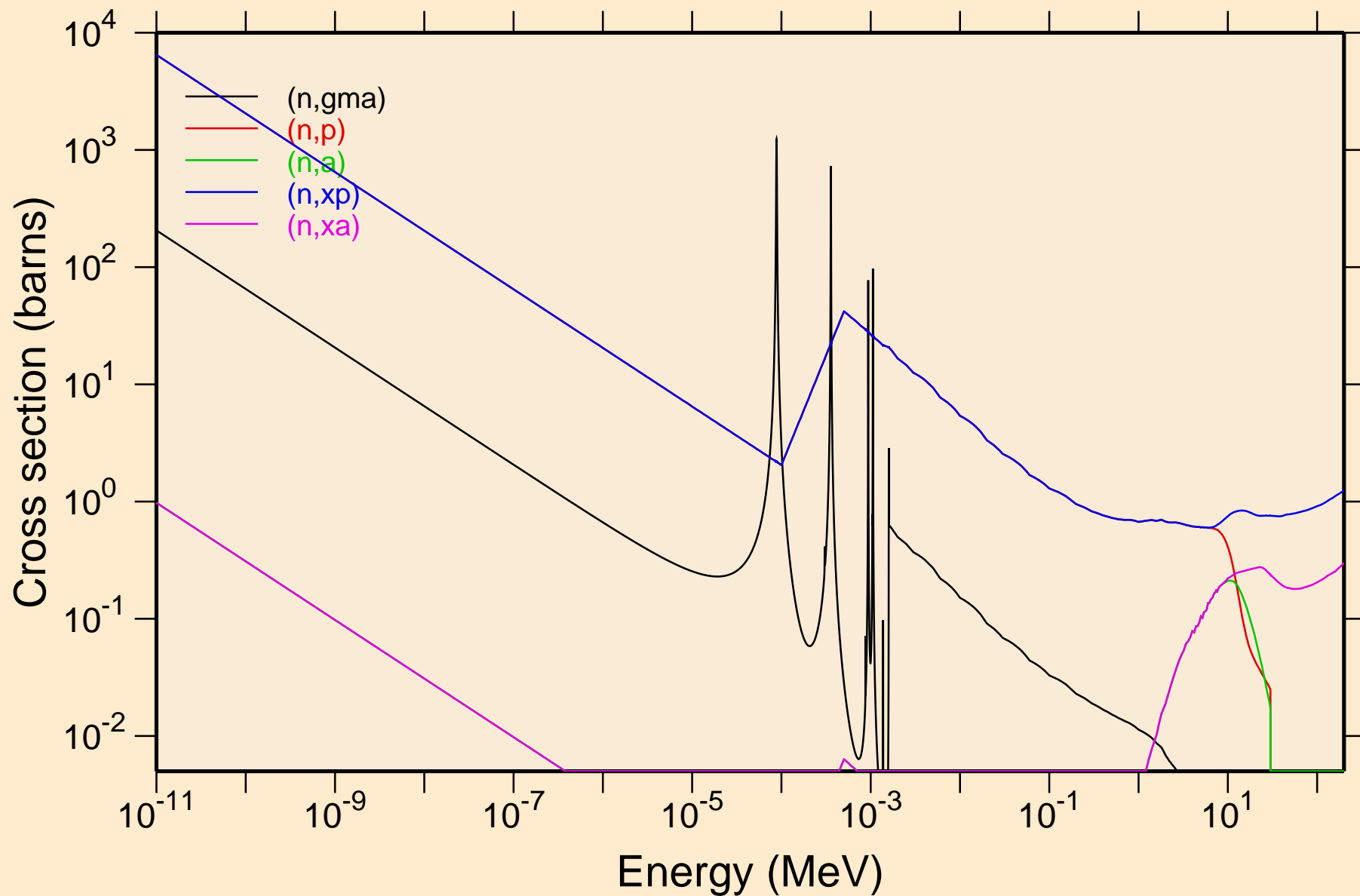
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Heating



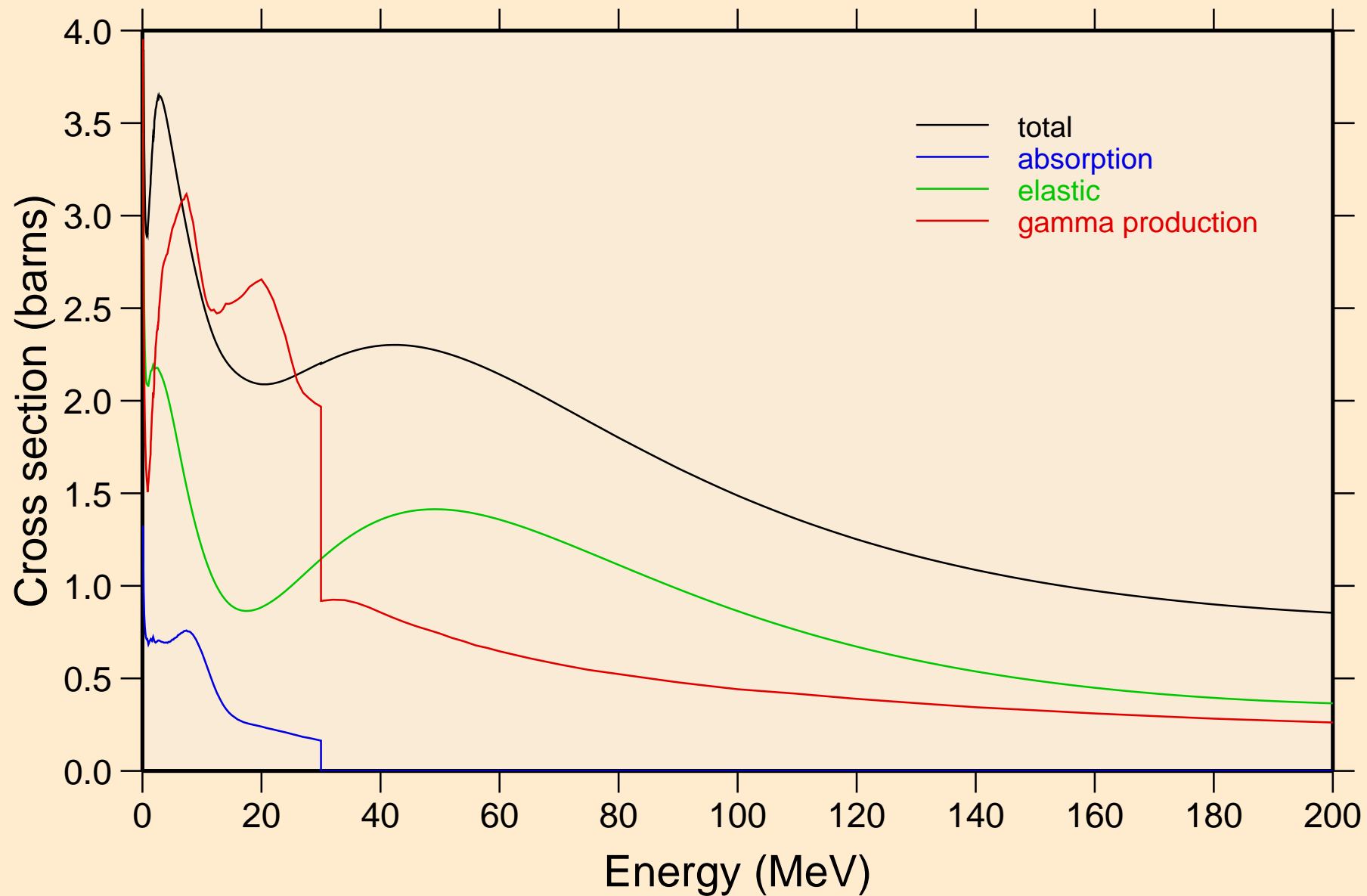
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Damage



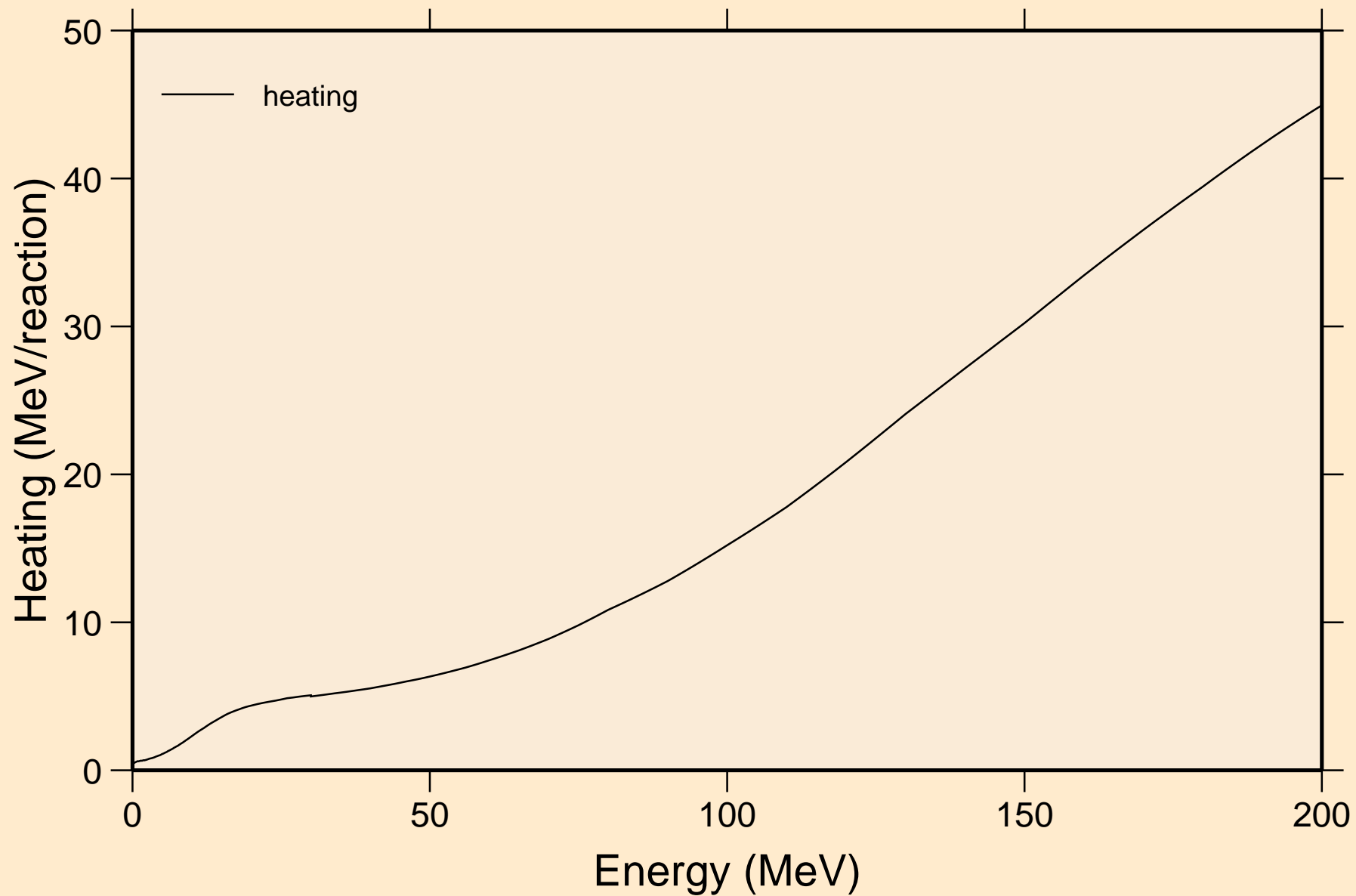
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Non-threshold reactions



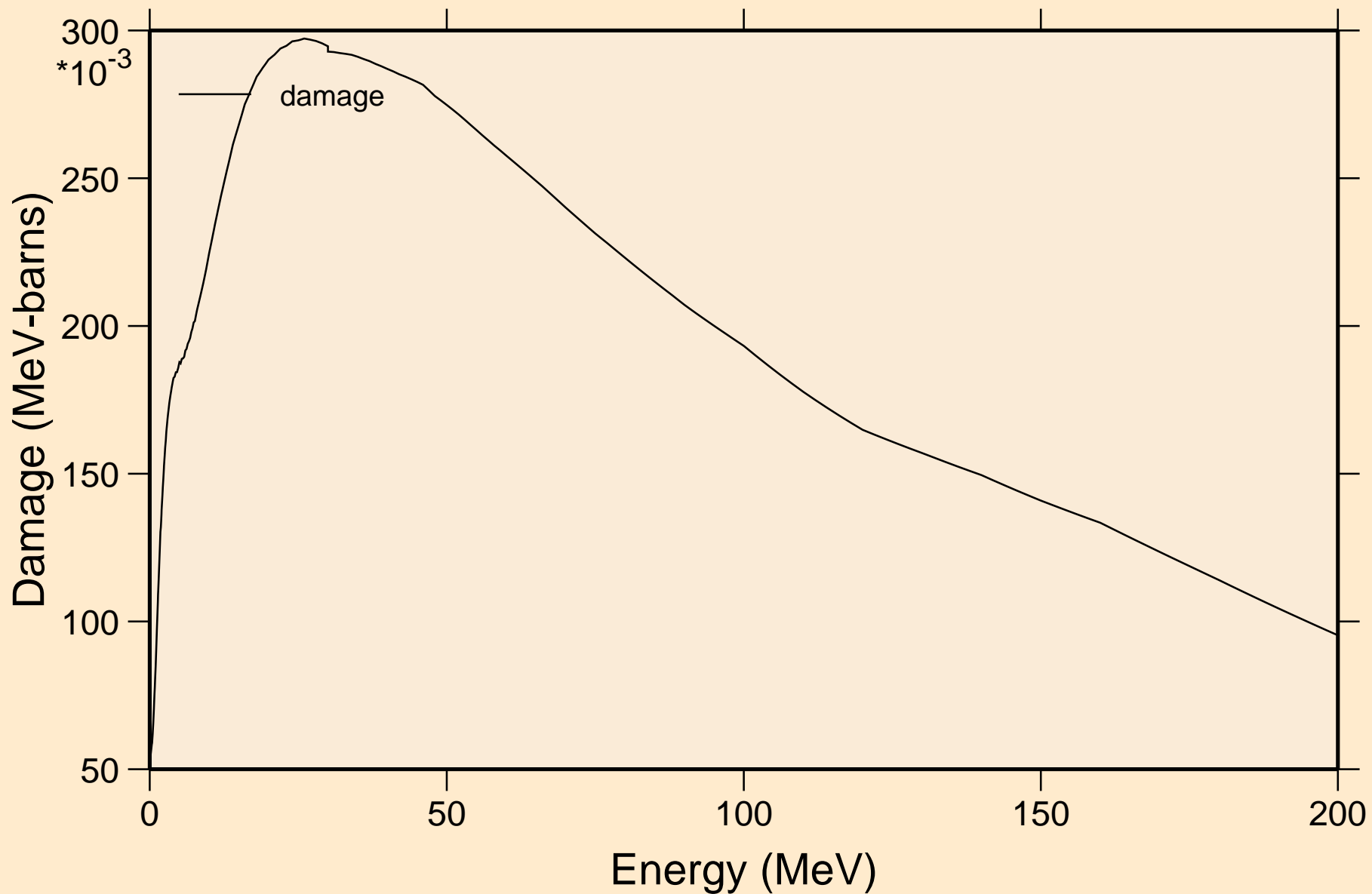
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



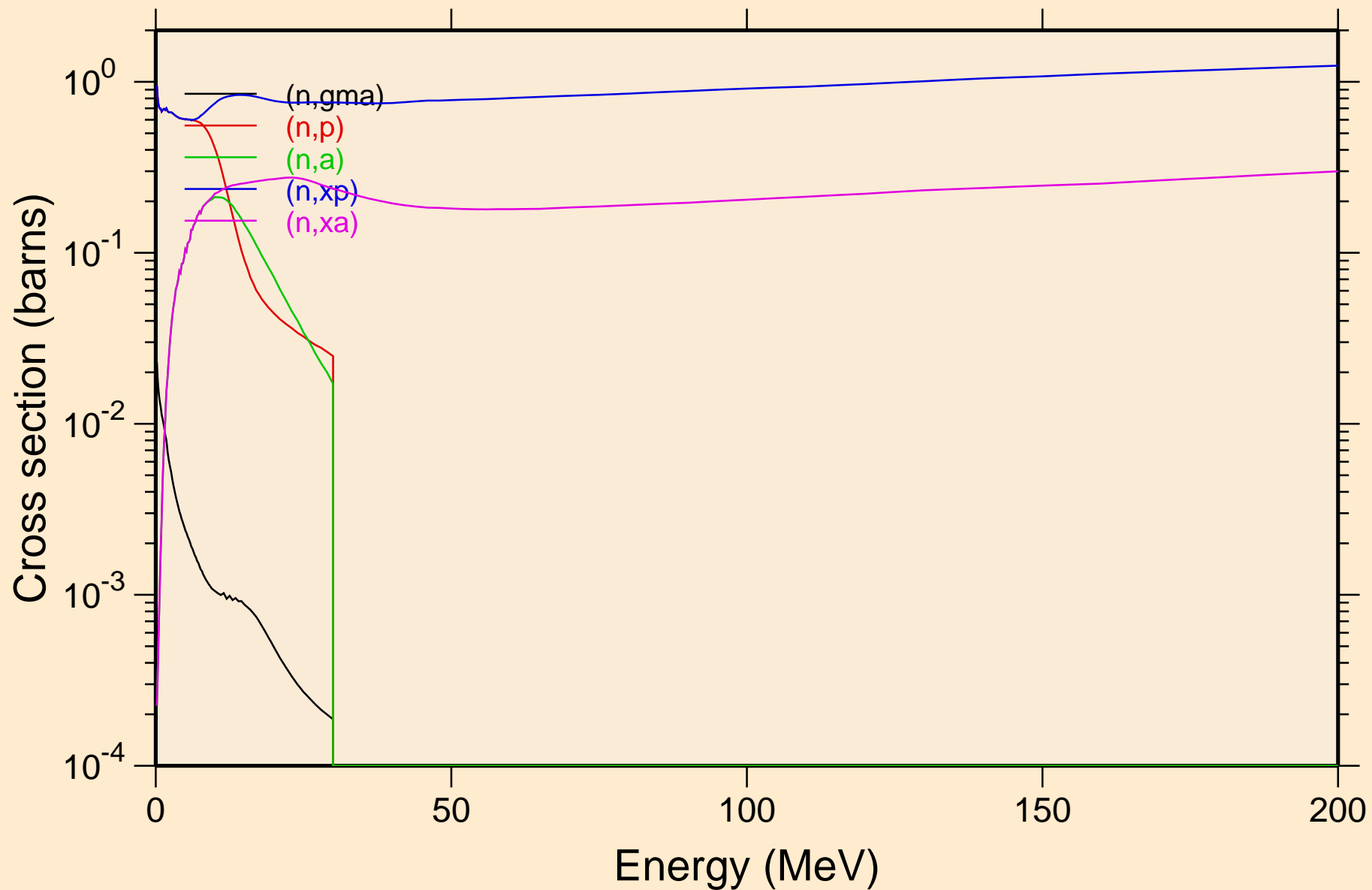
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage

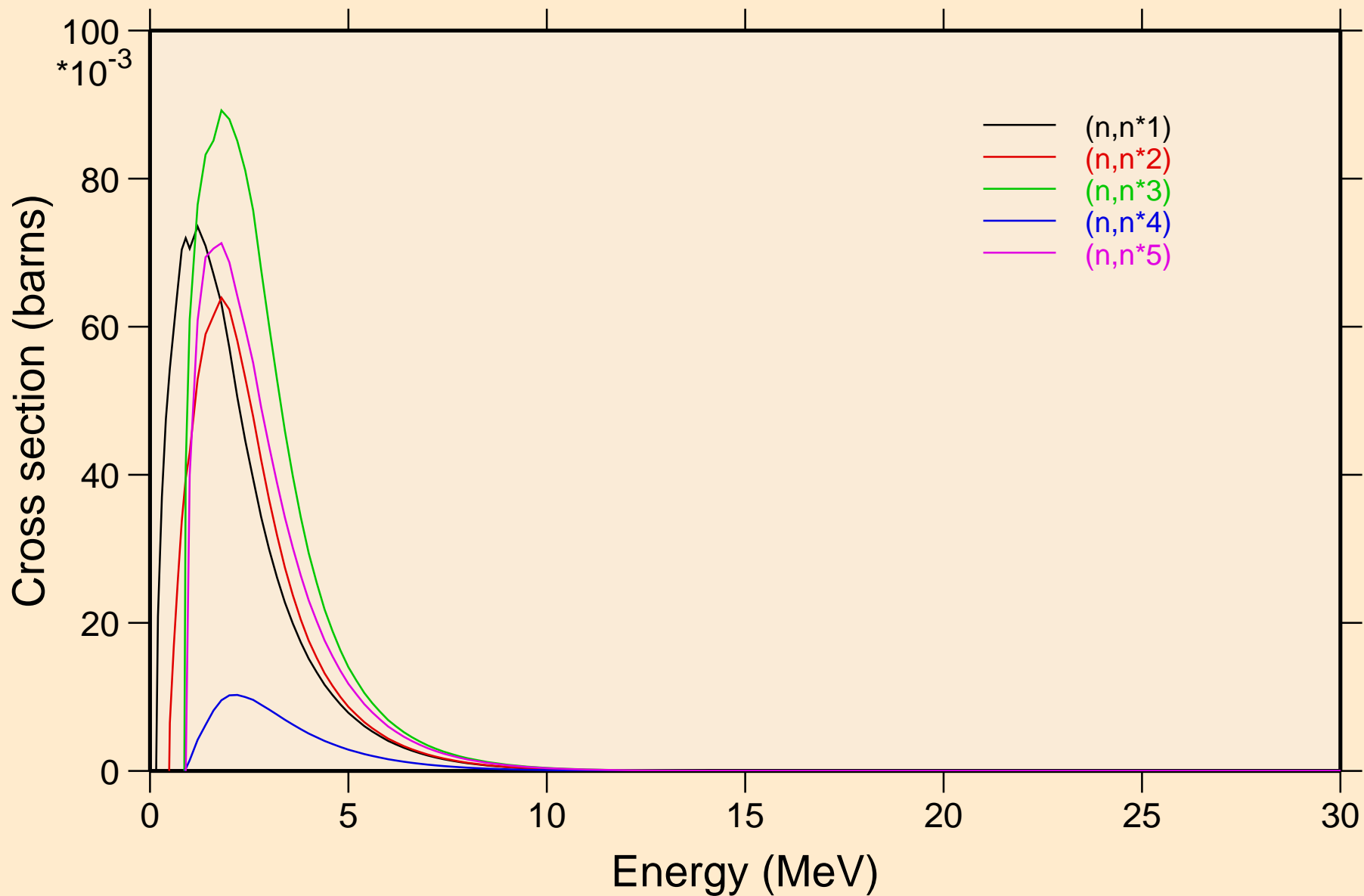


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Non-threshold reactions

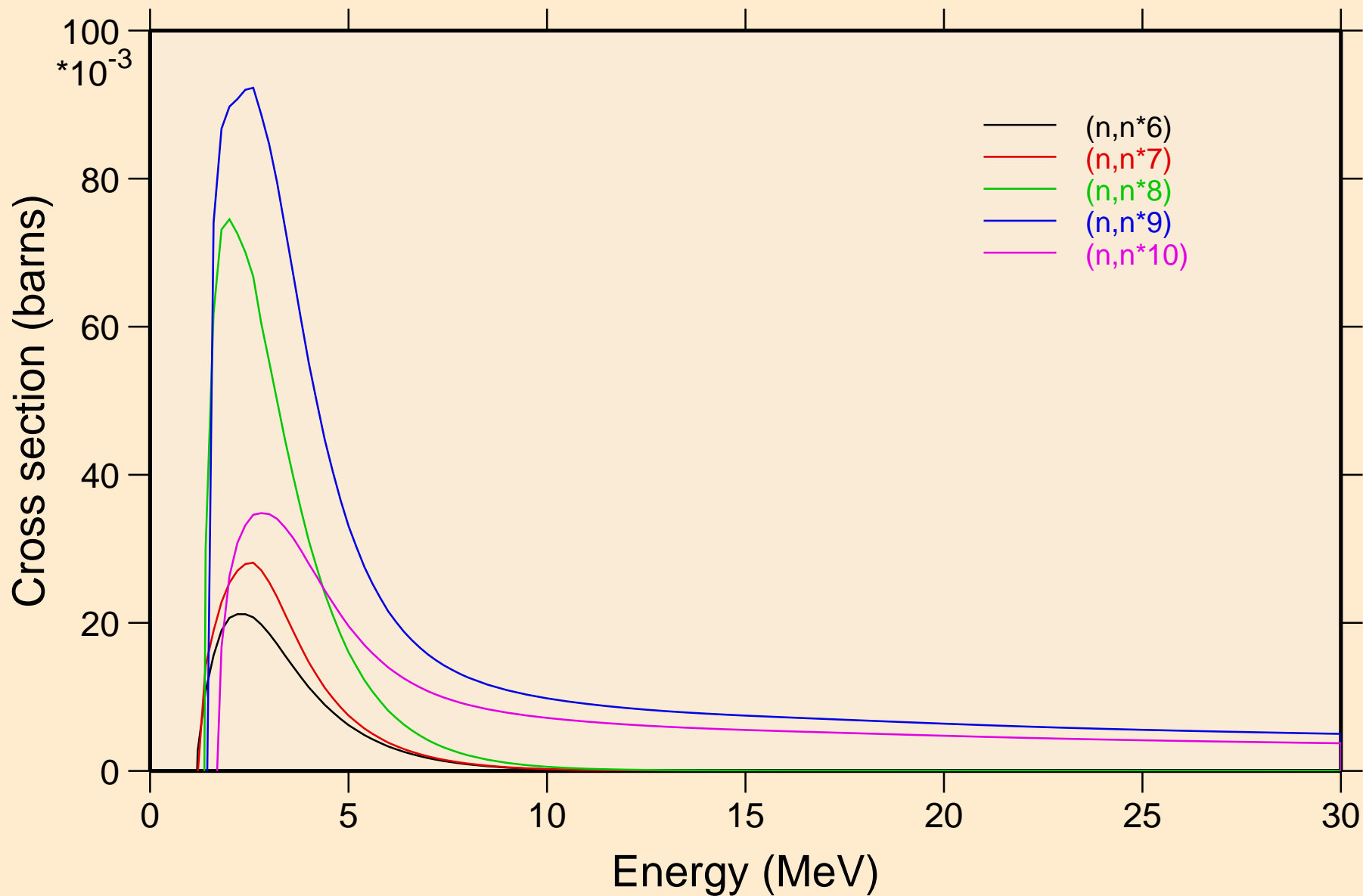




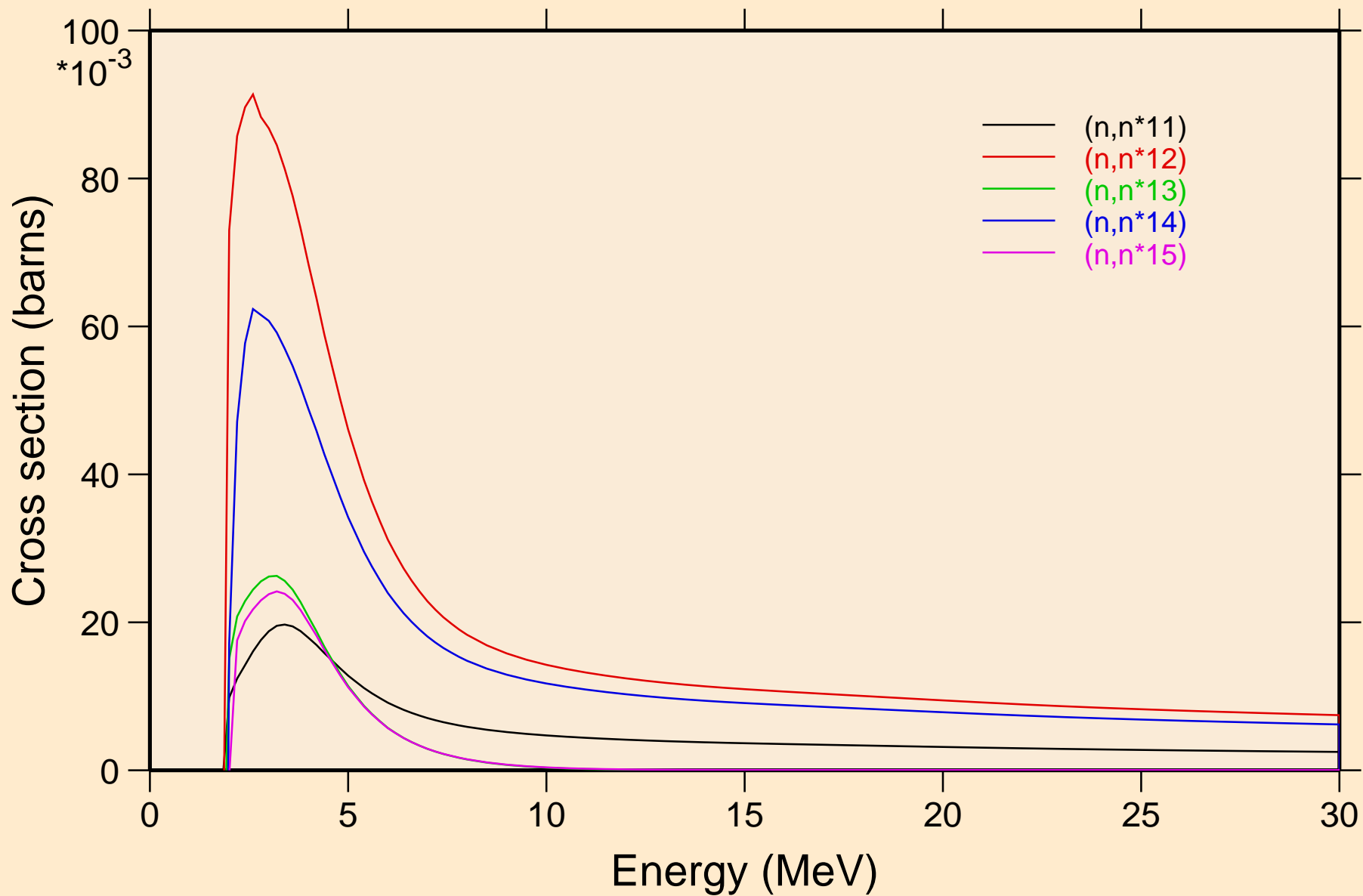
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Inelastic levels



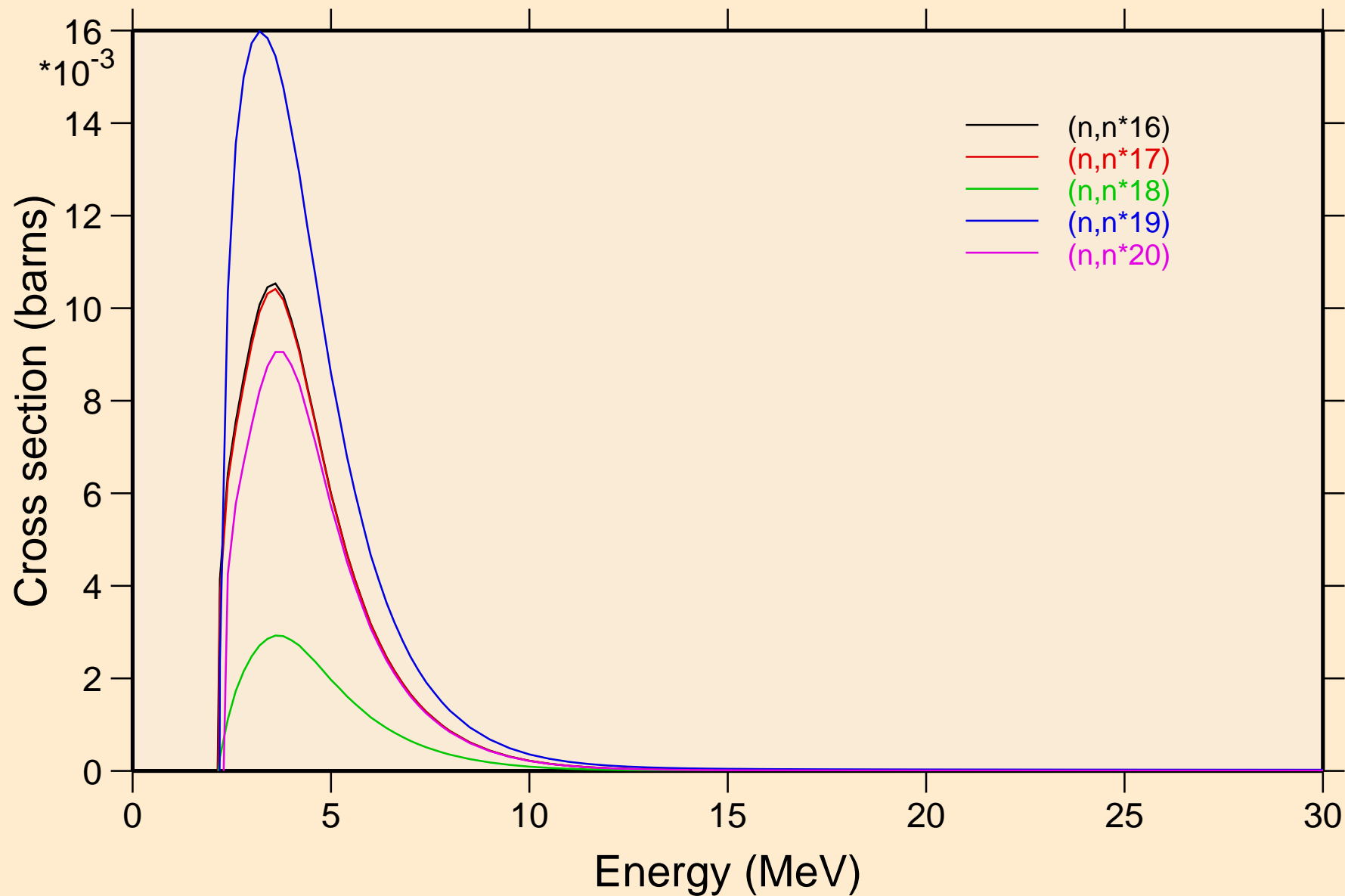
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



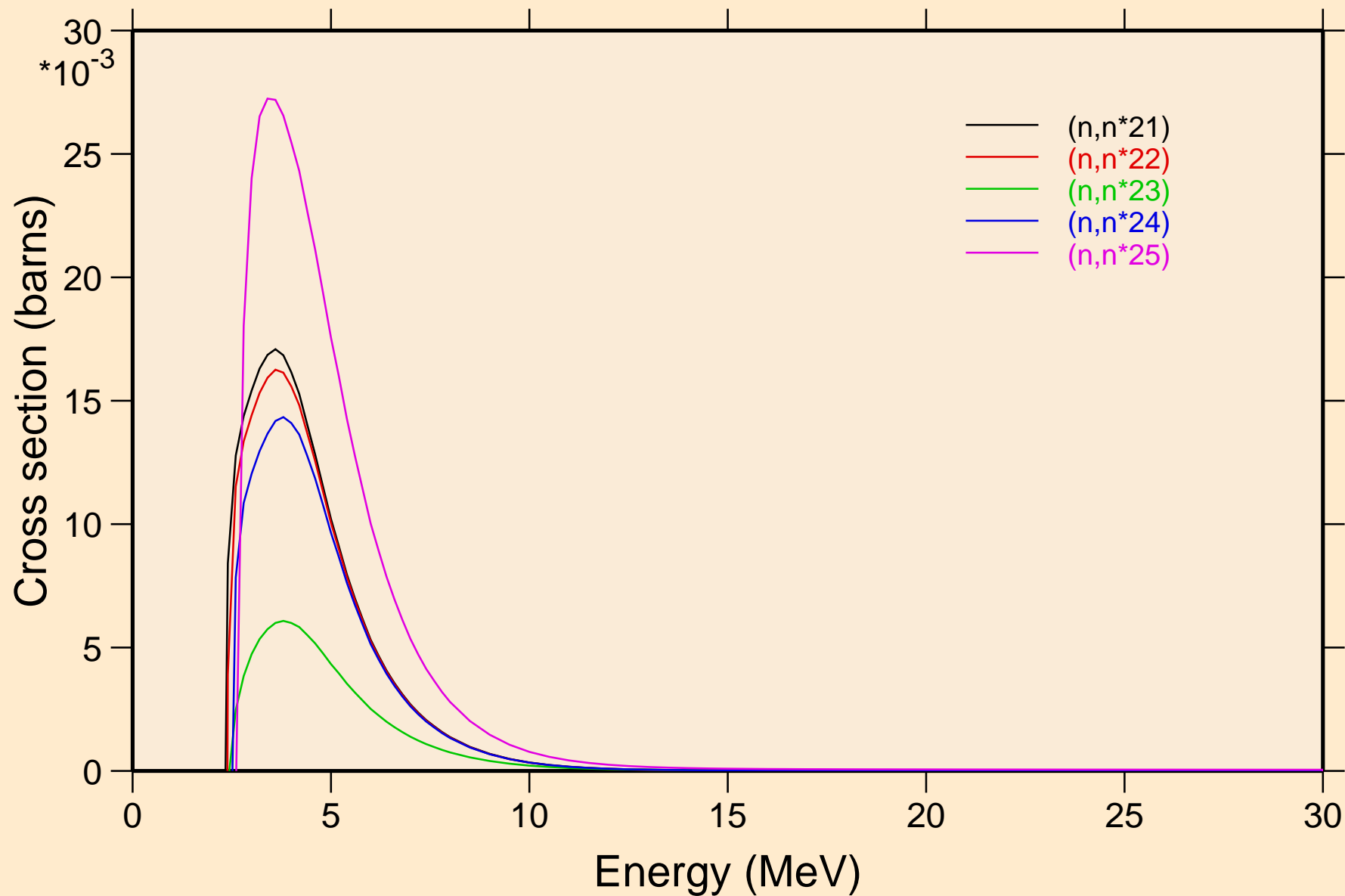
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



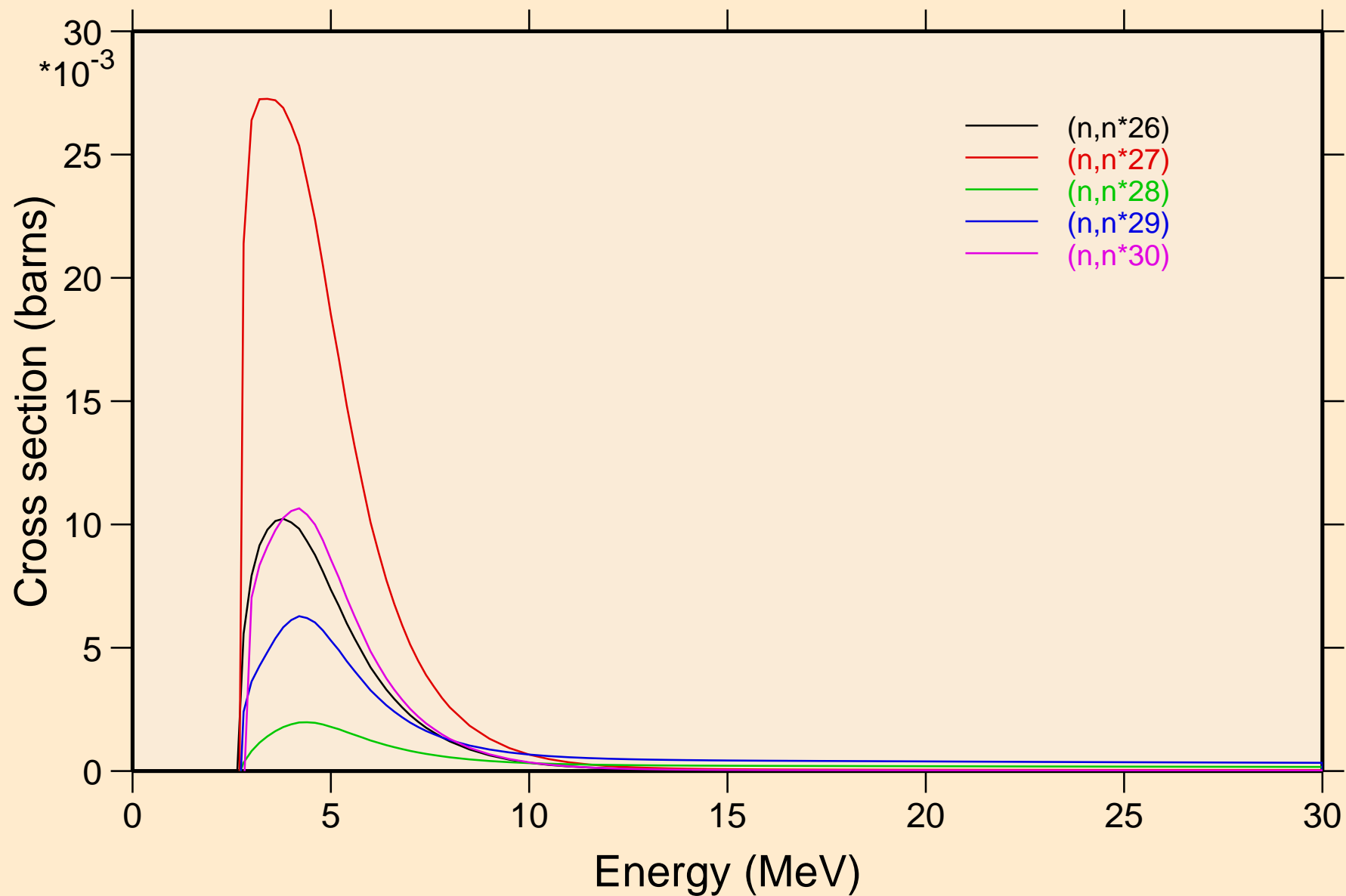
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Inelastic levels



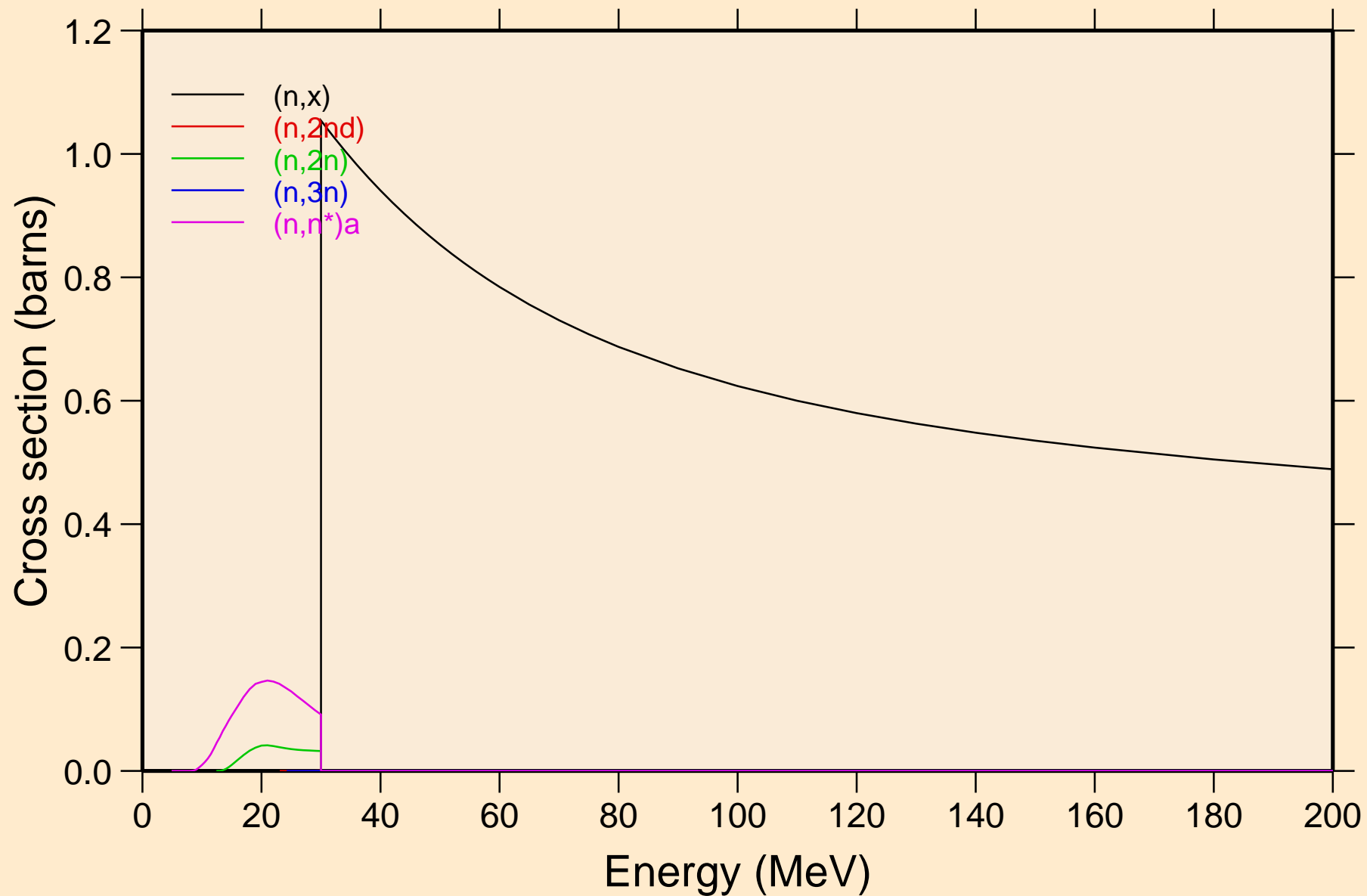
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



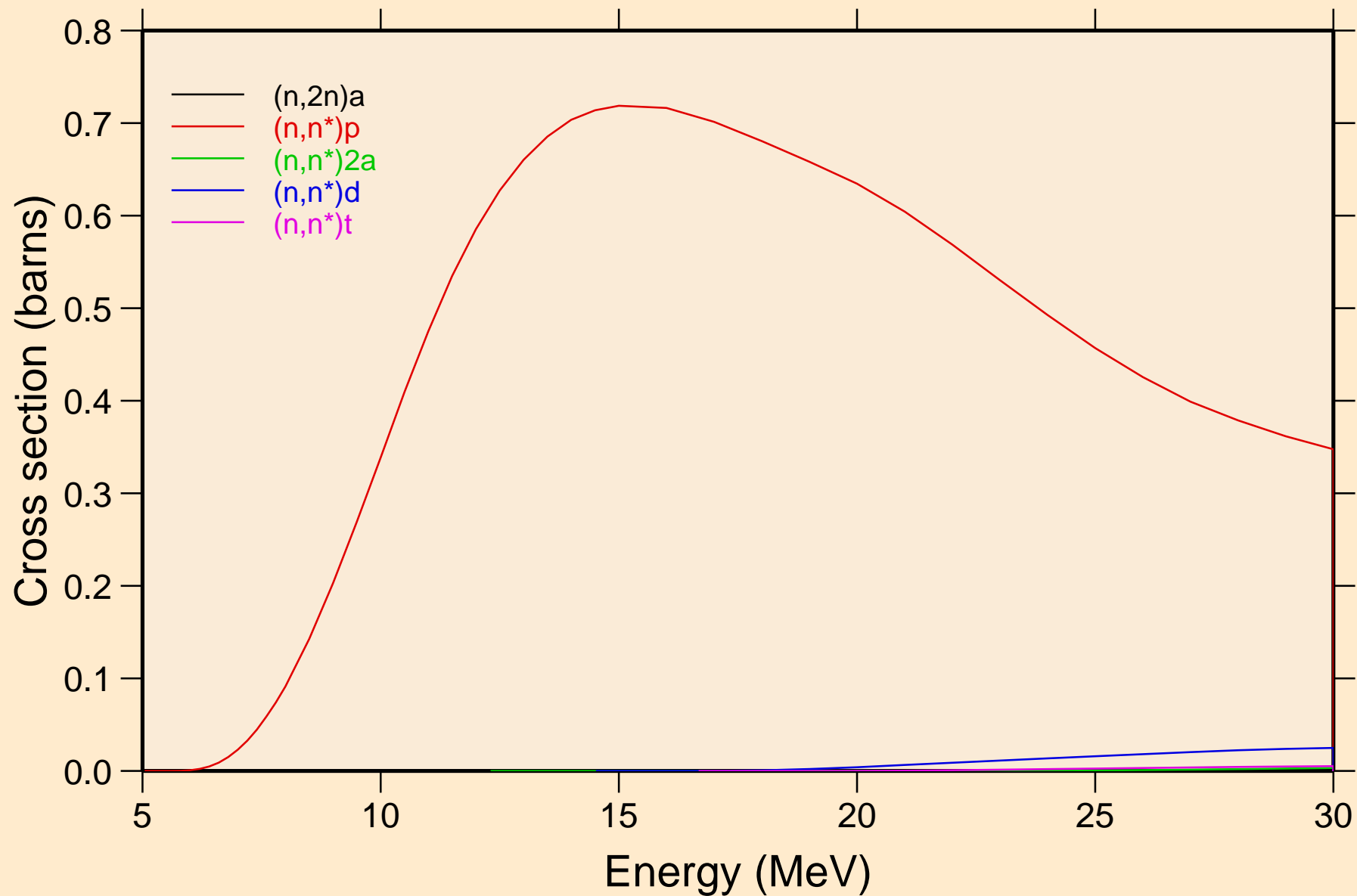
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

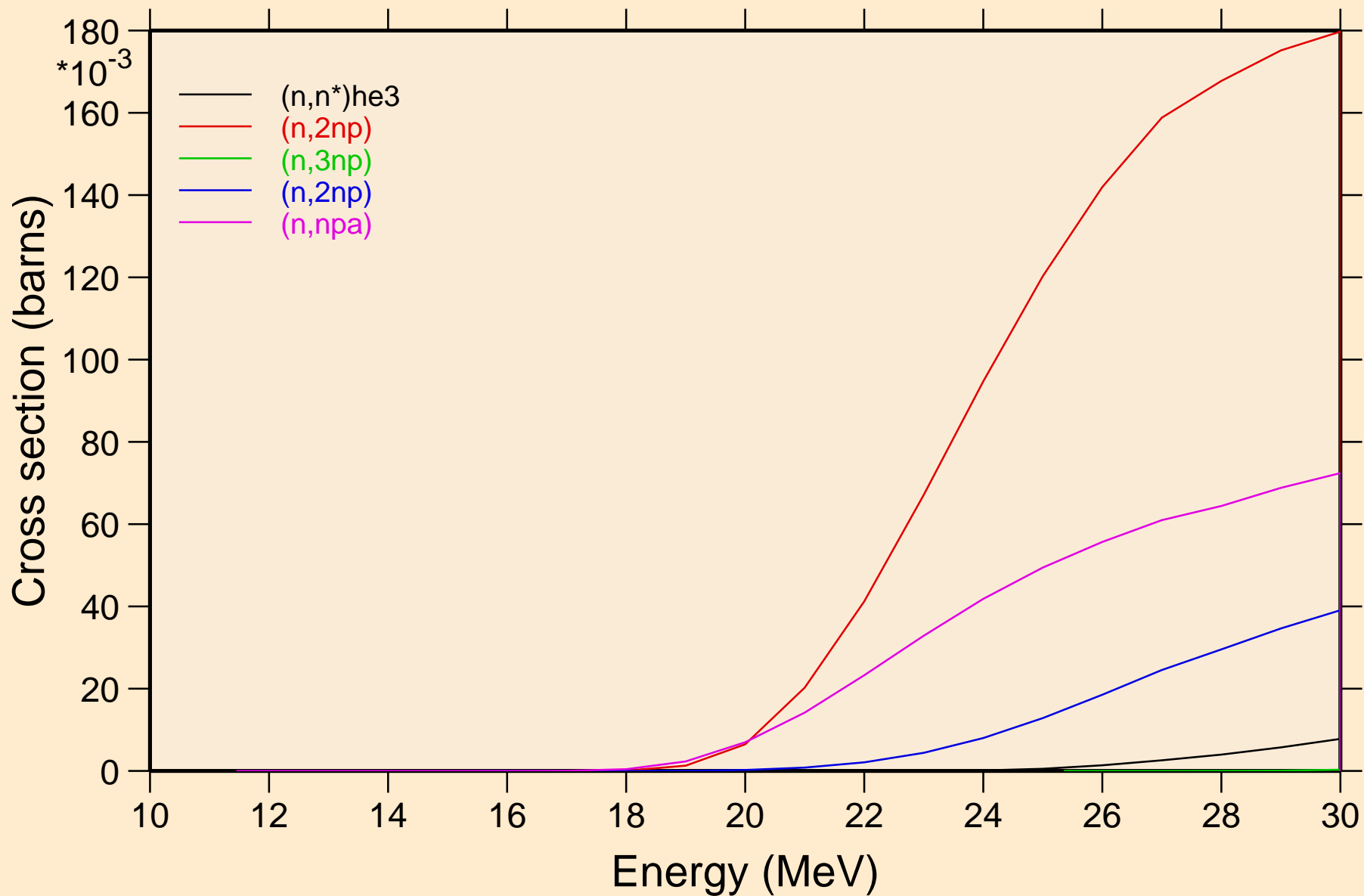


SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

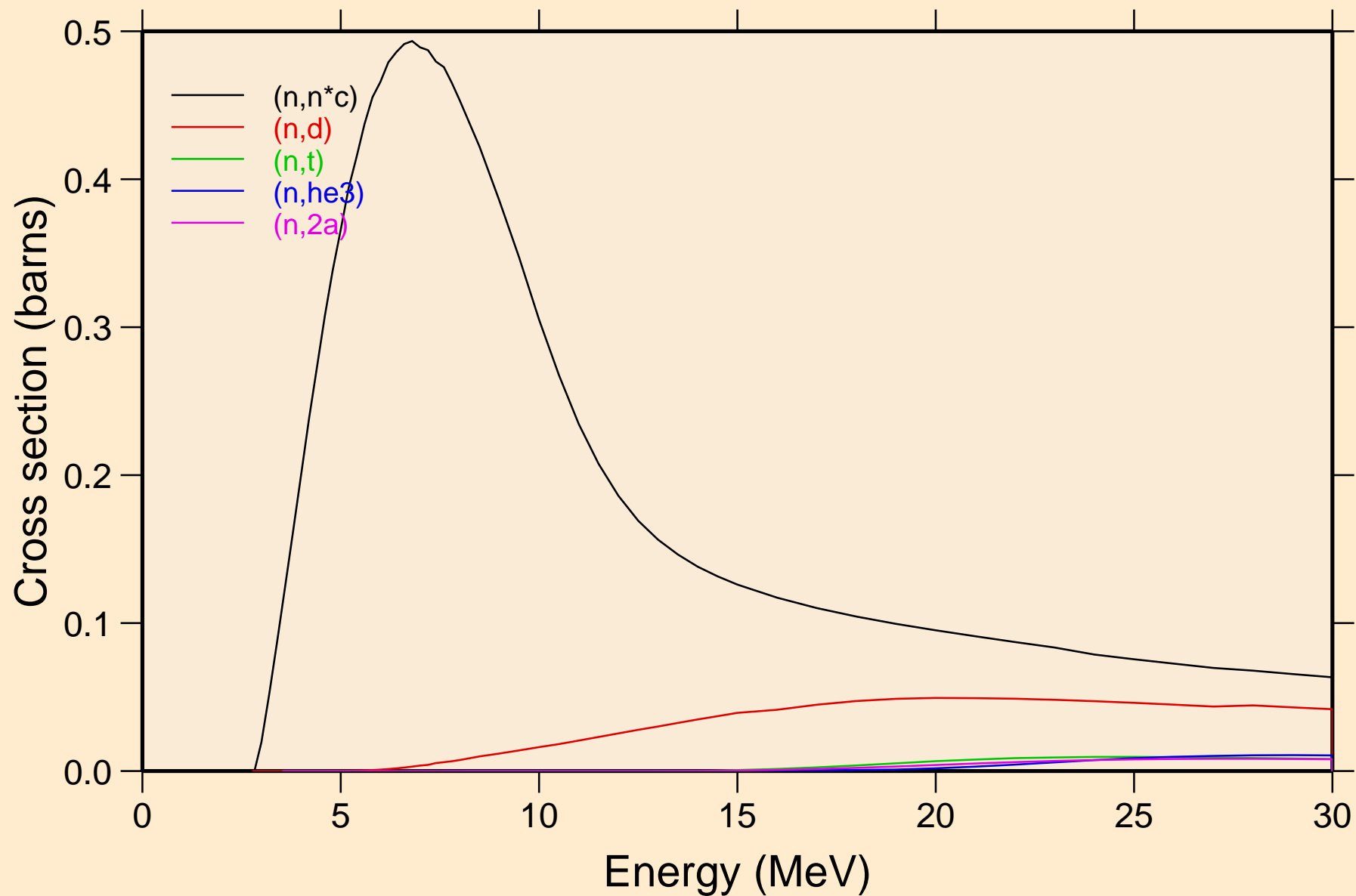




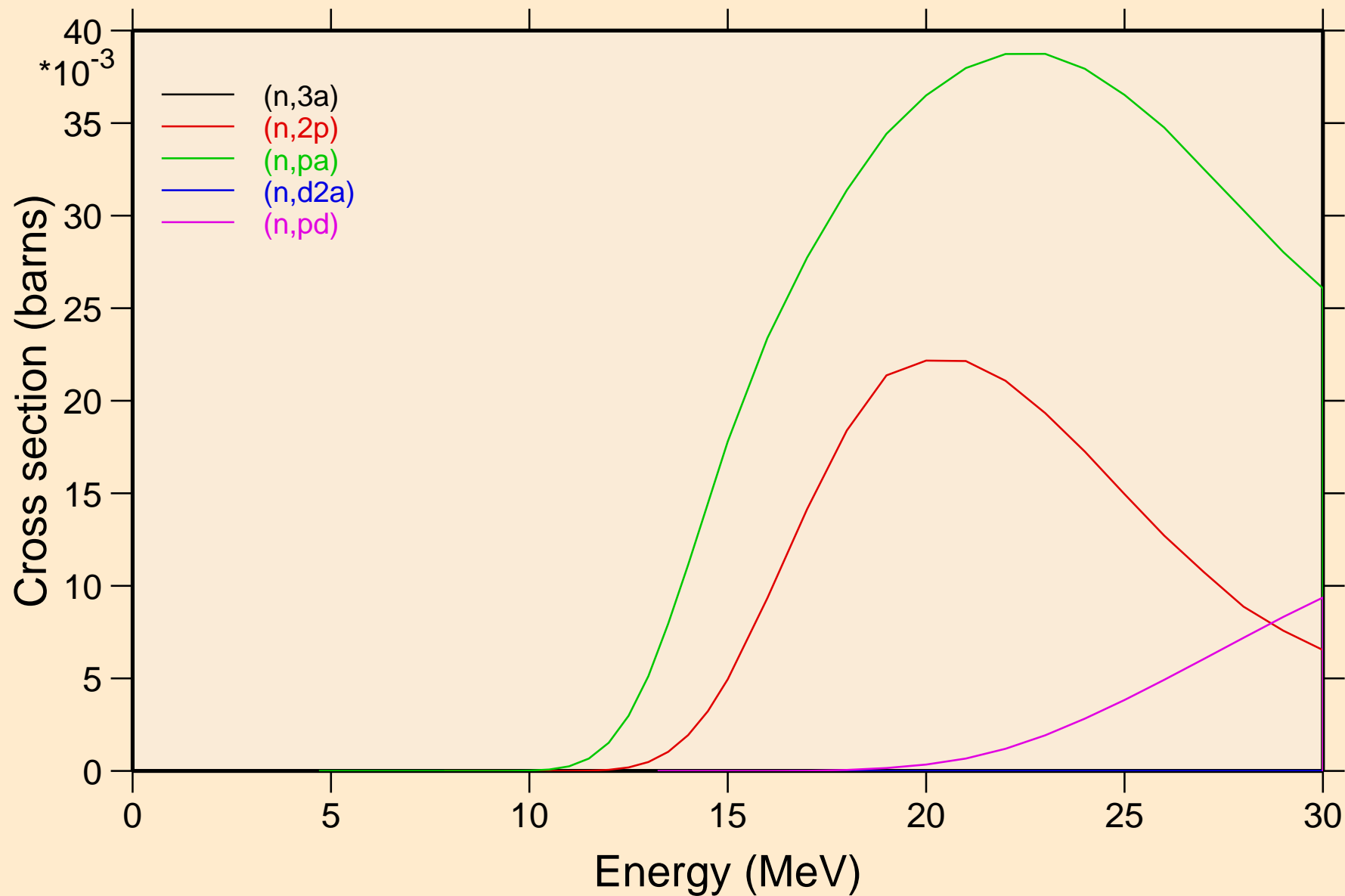
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Threshold reactions



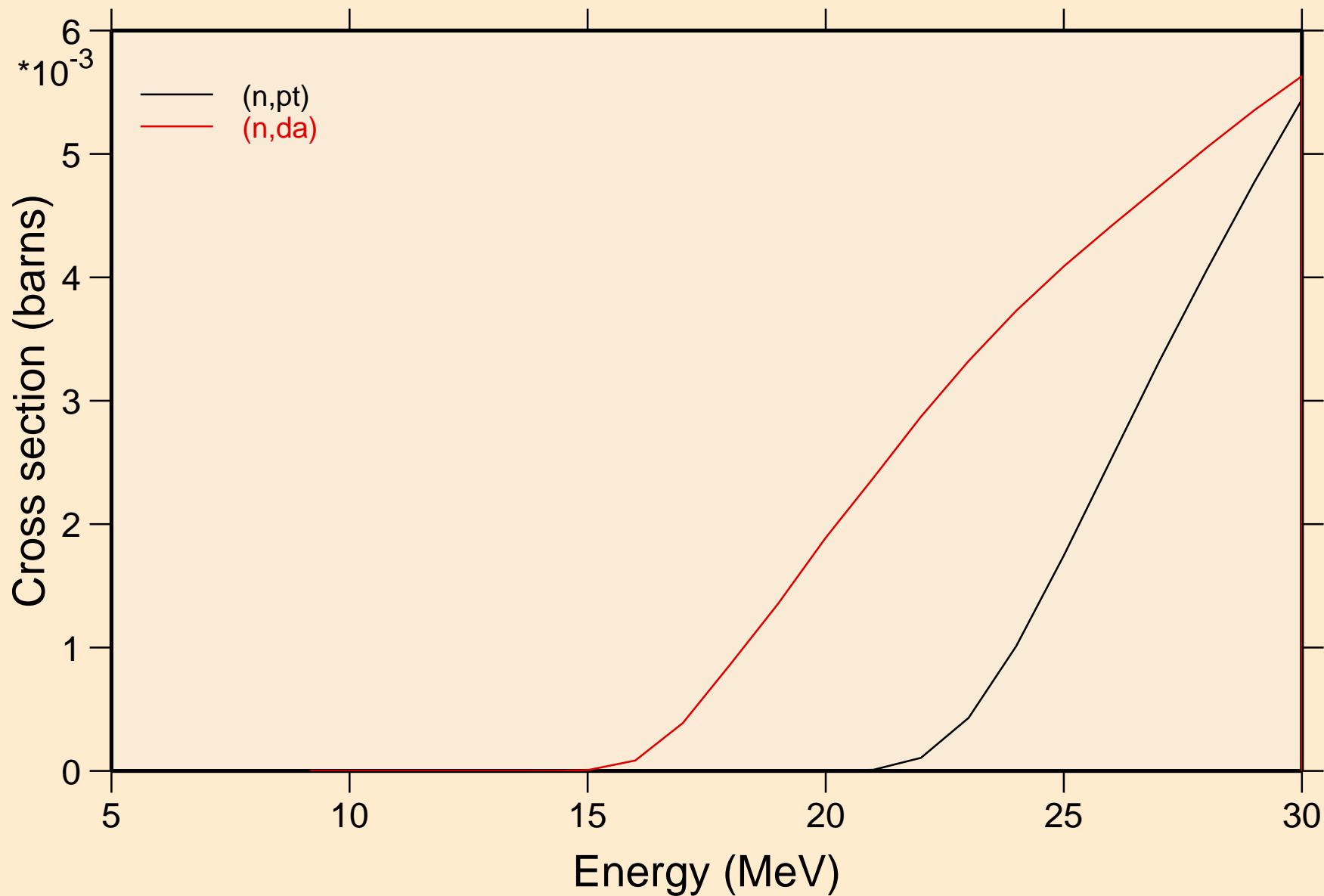
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



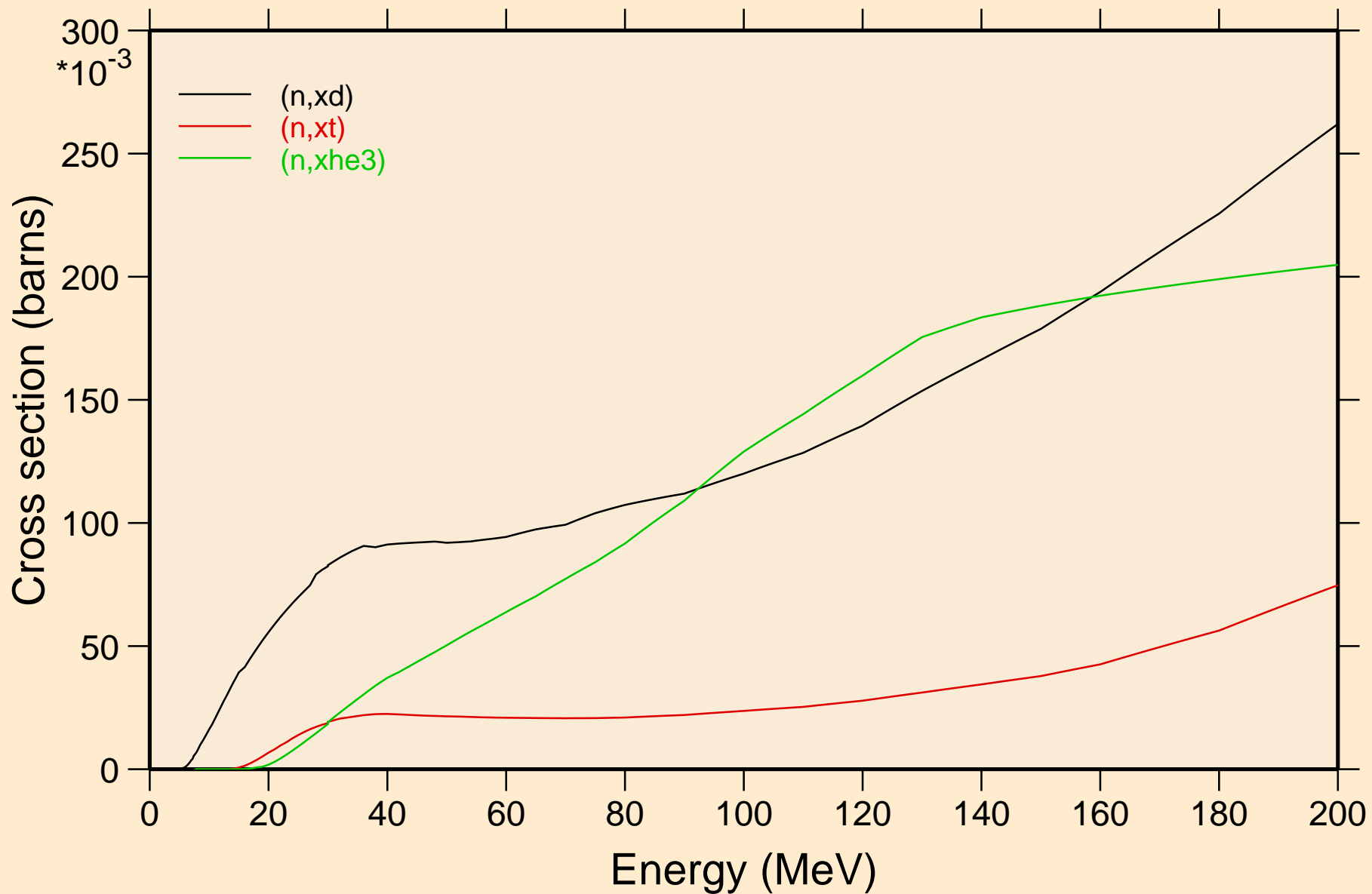
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



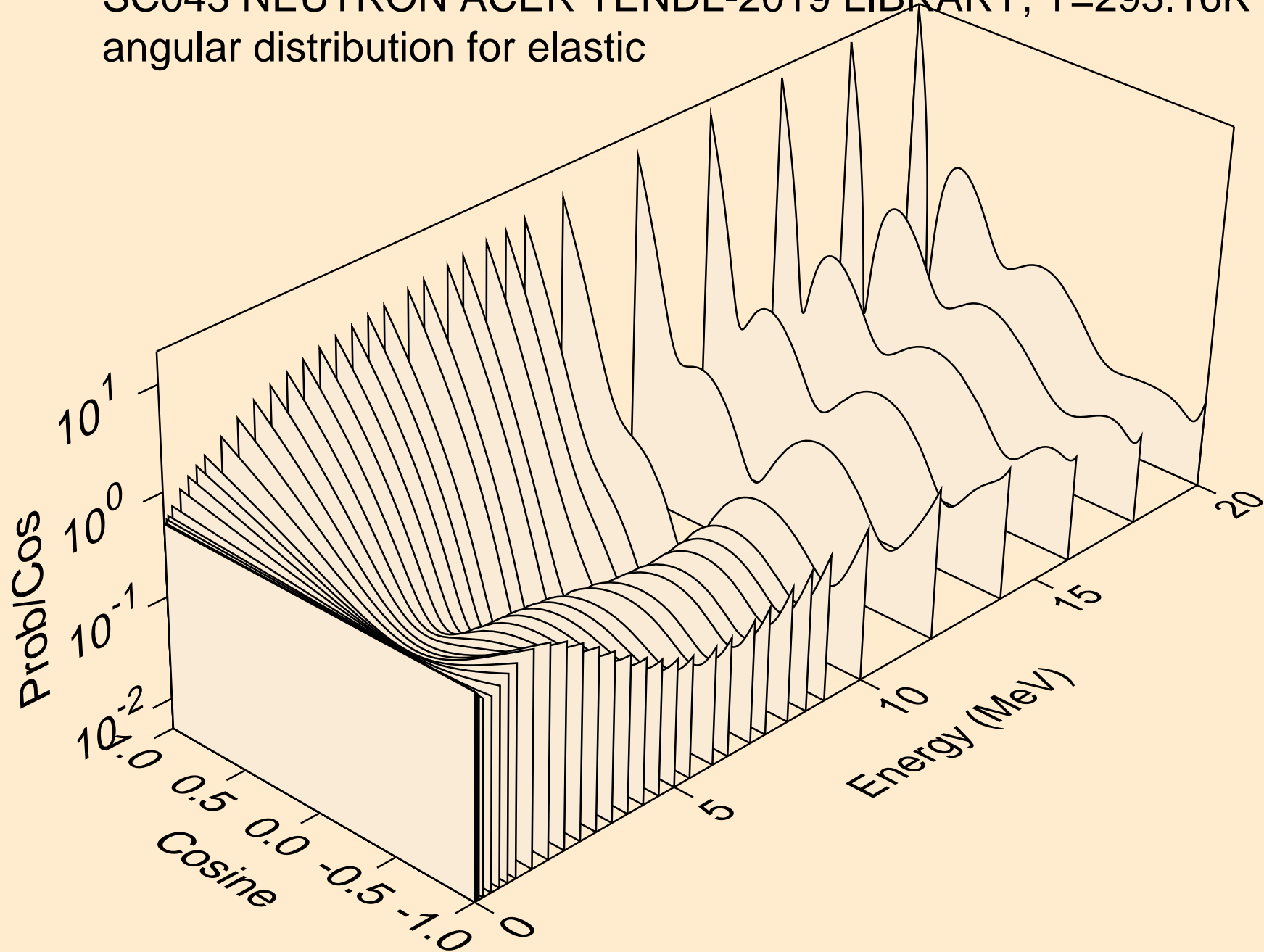
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Threshold reactions



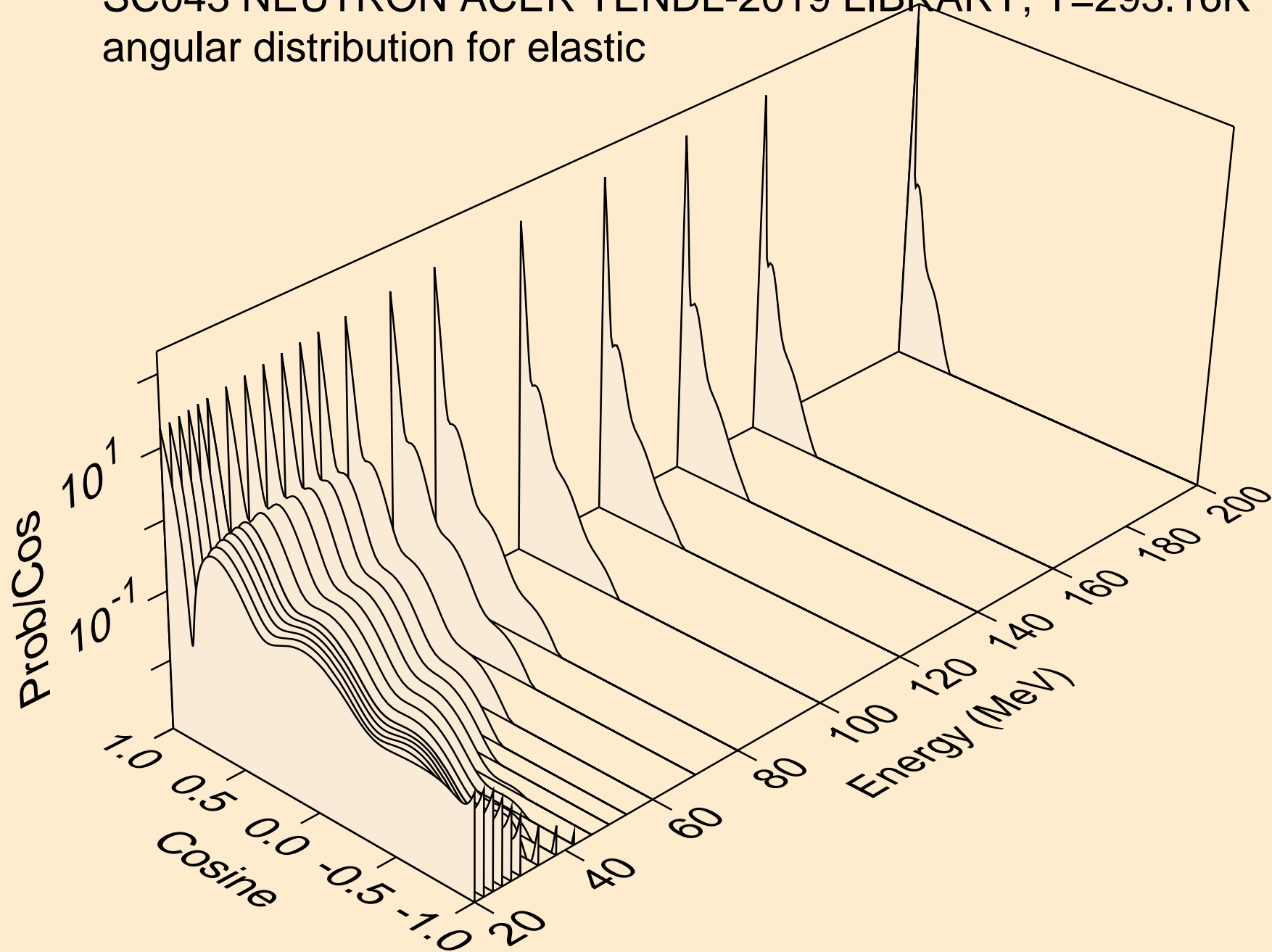
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



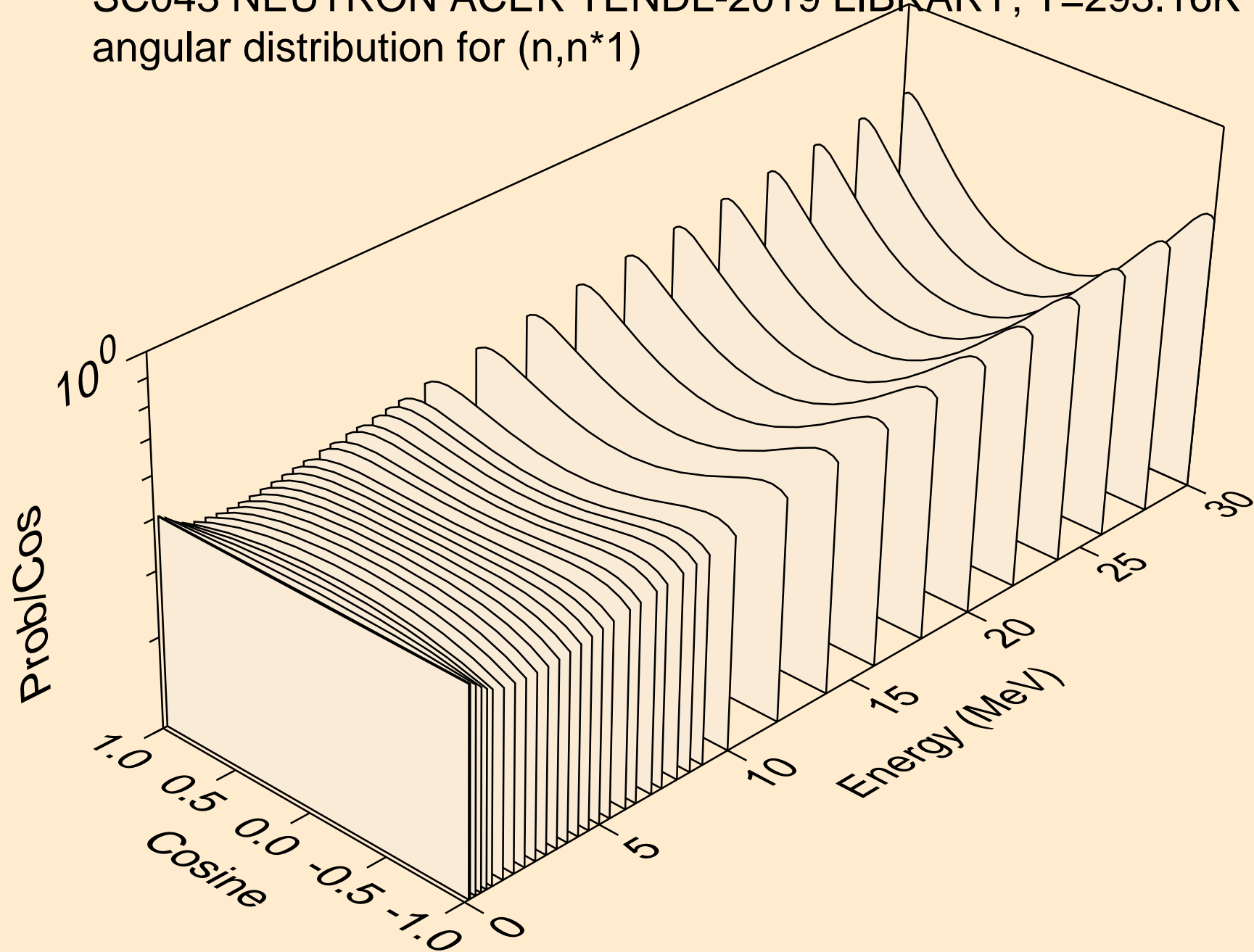
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic

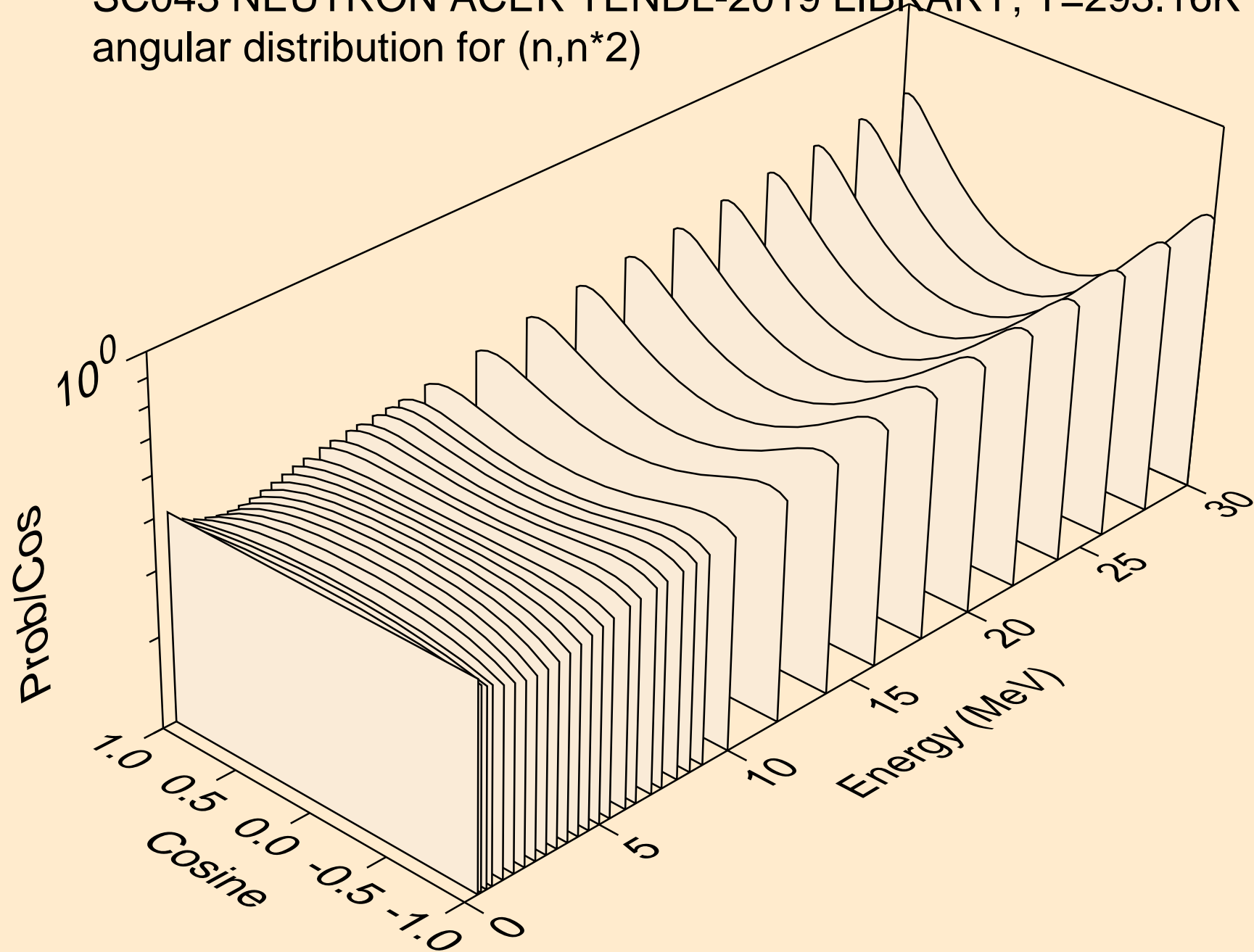


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angular distribution for (n,n\*1)

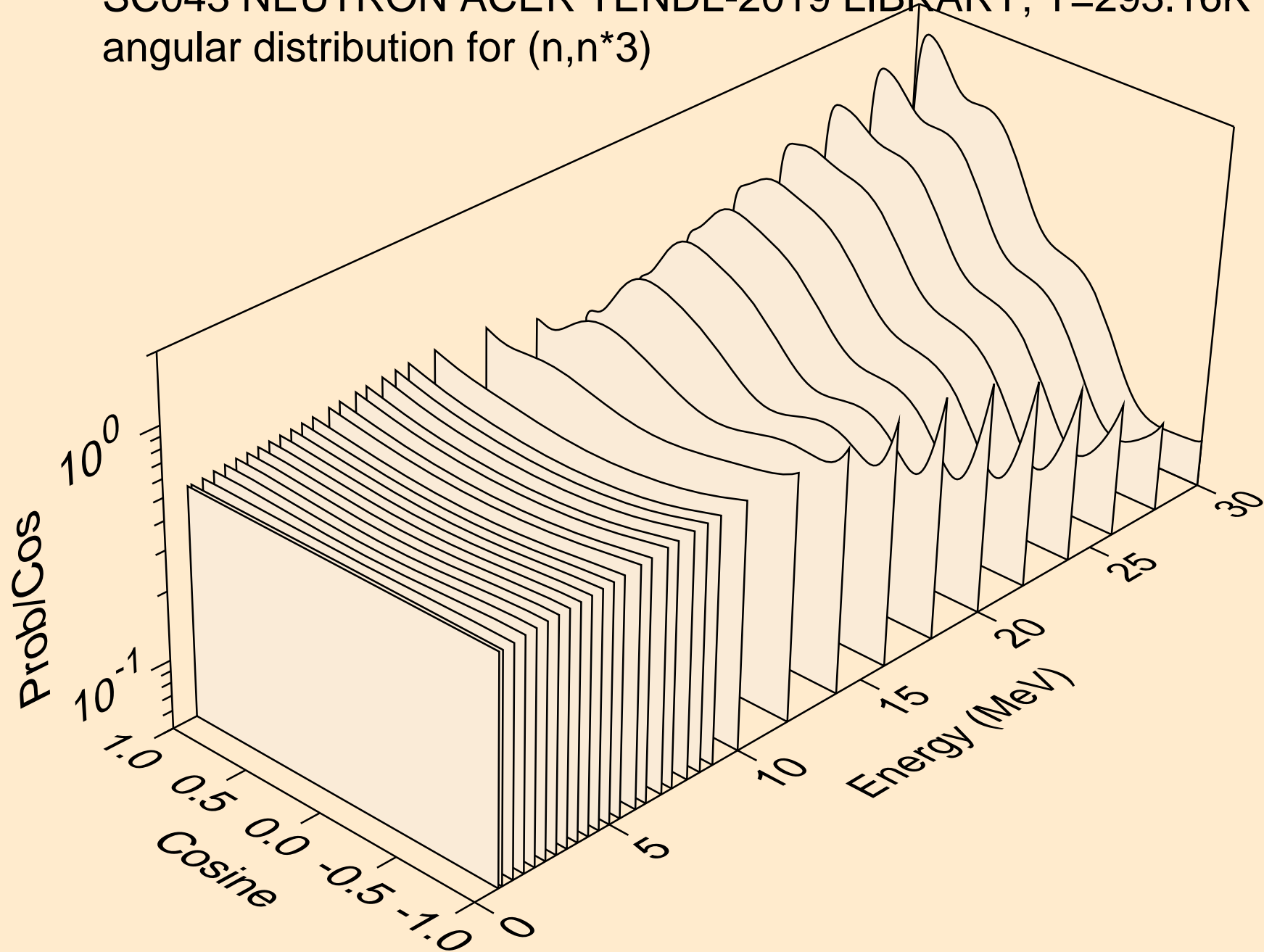




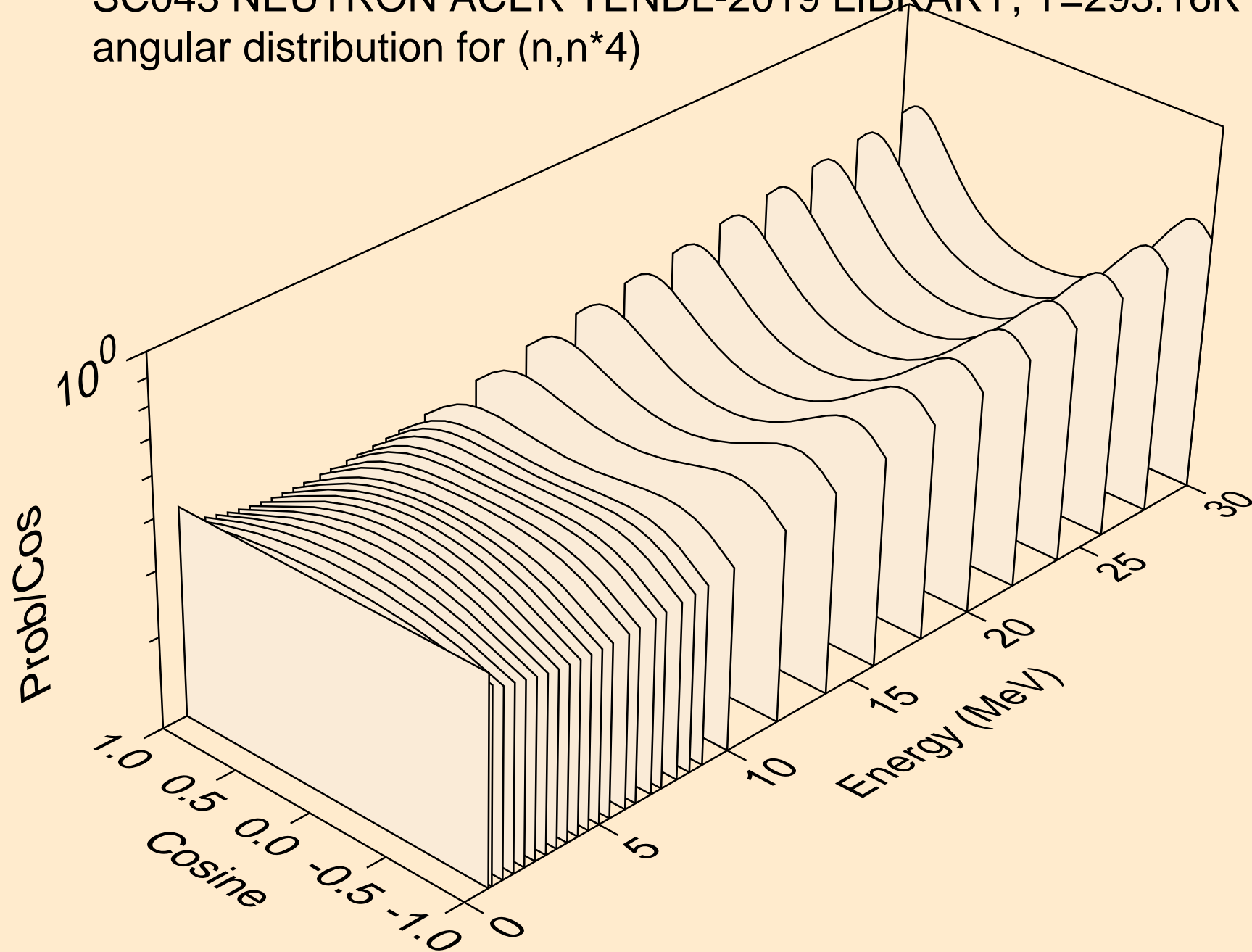
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angular distribution for (n,n\*2)



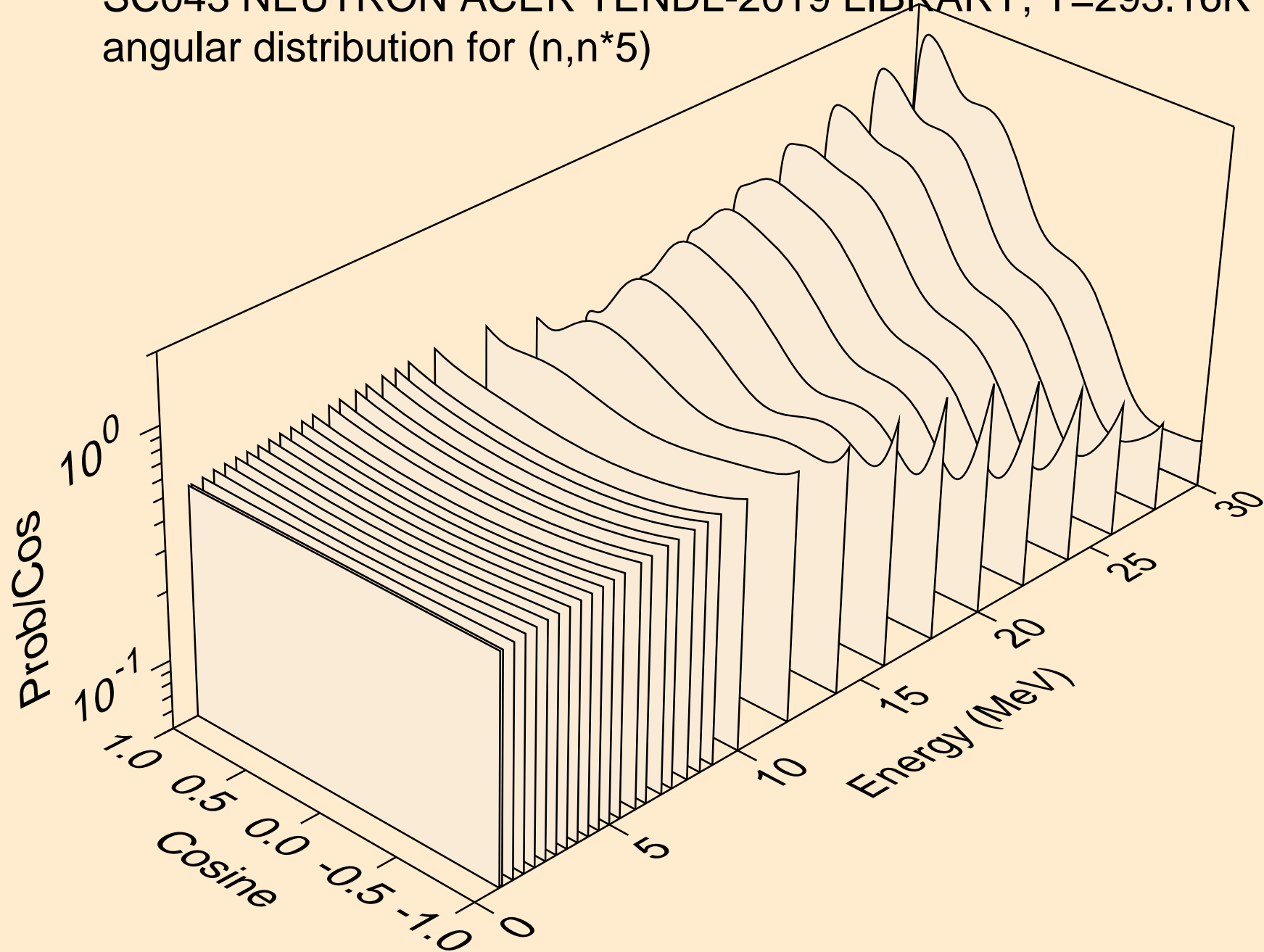
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angular distribution for (n,n\*3)



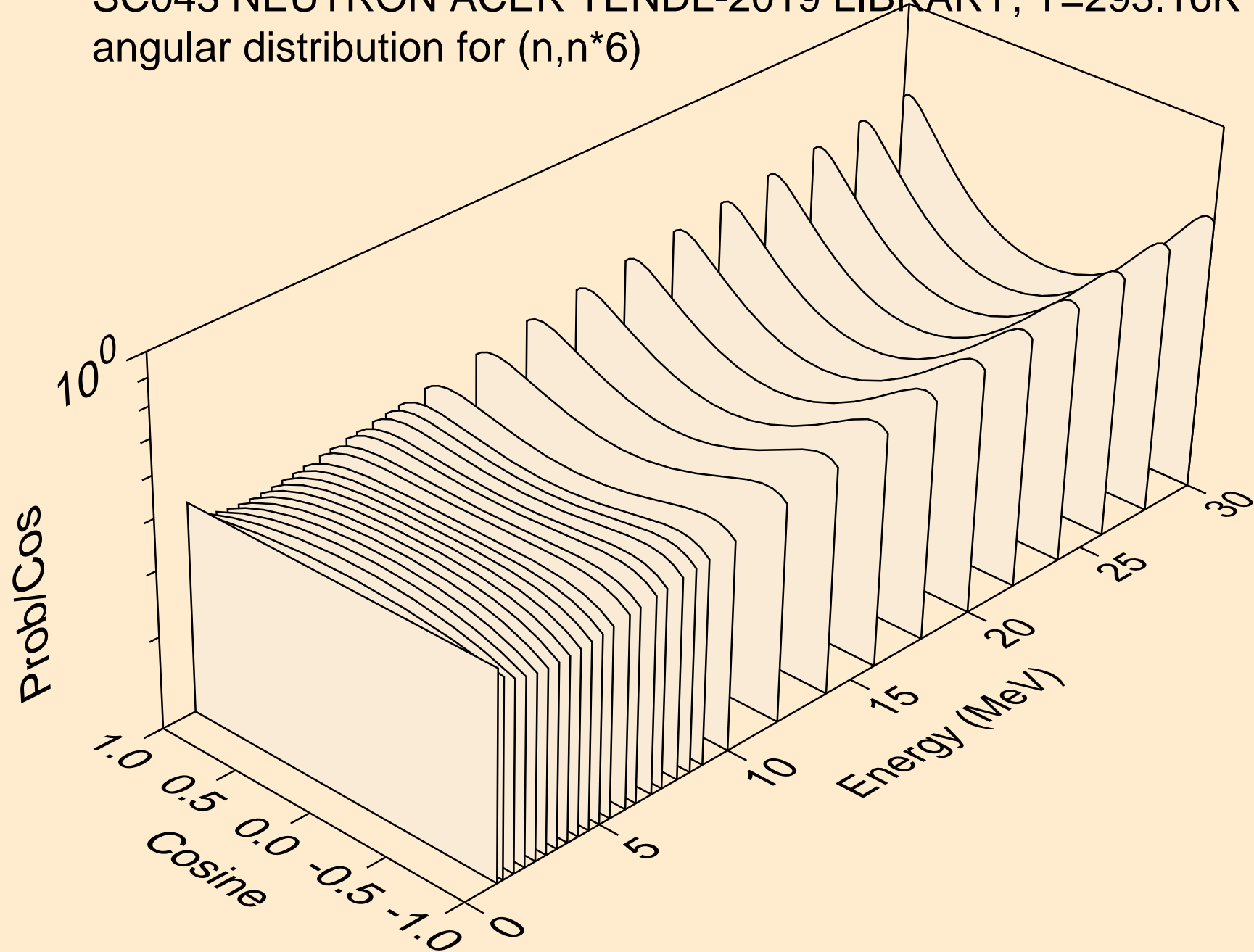
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angular distribution for (n,n\*4)



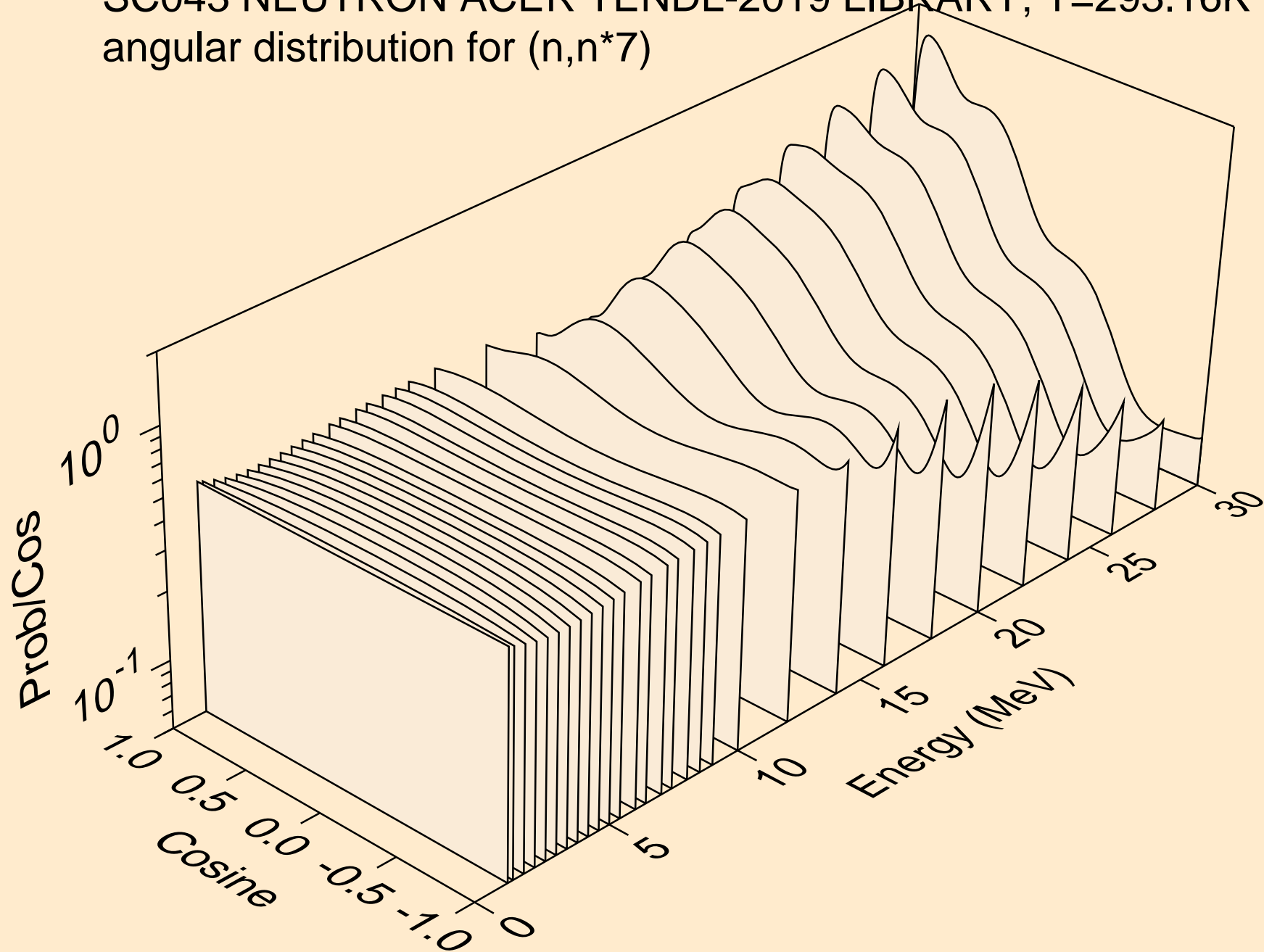
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angular distribution for (n,n\*5)



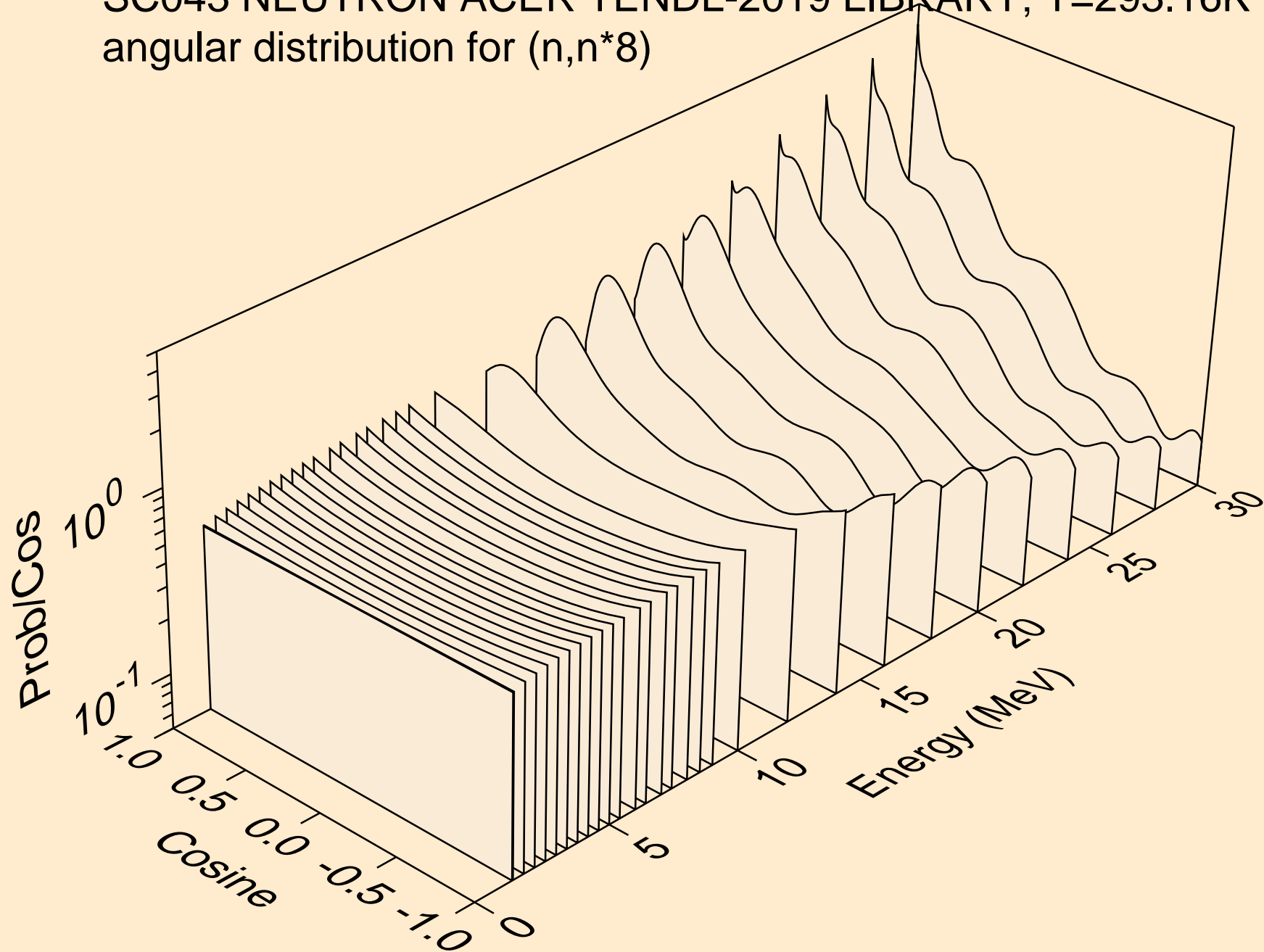
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angular distribution for (n,n\*6)



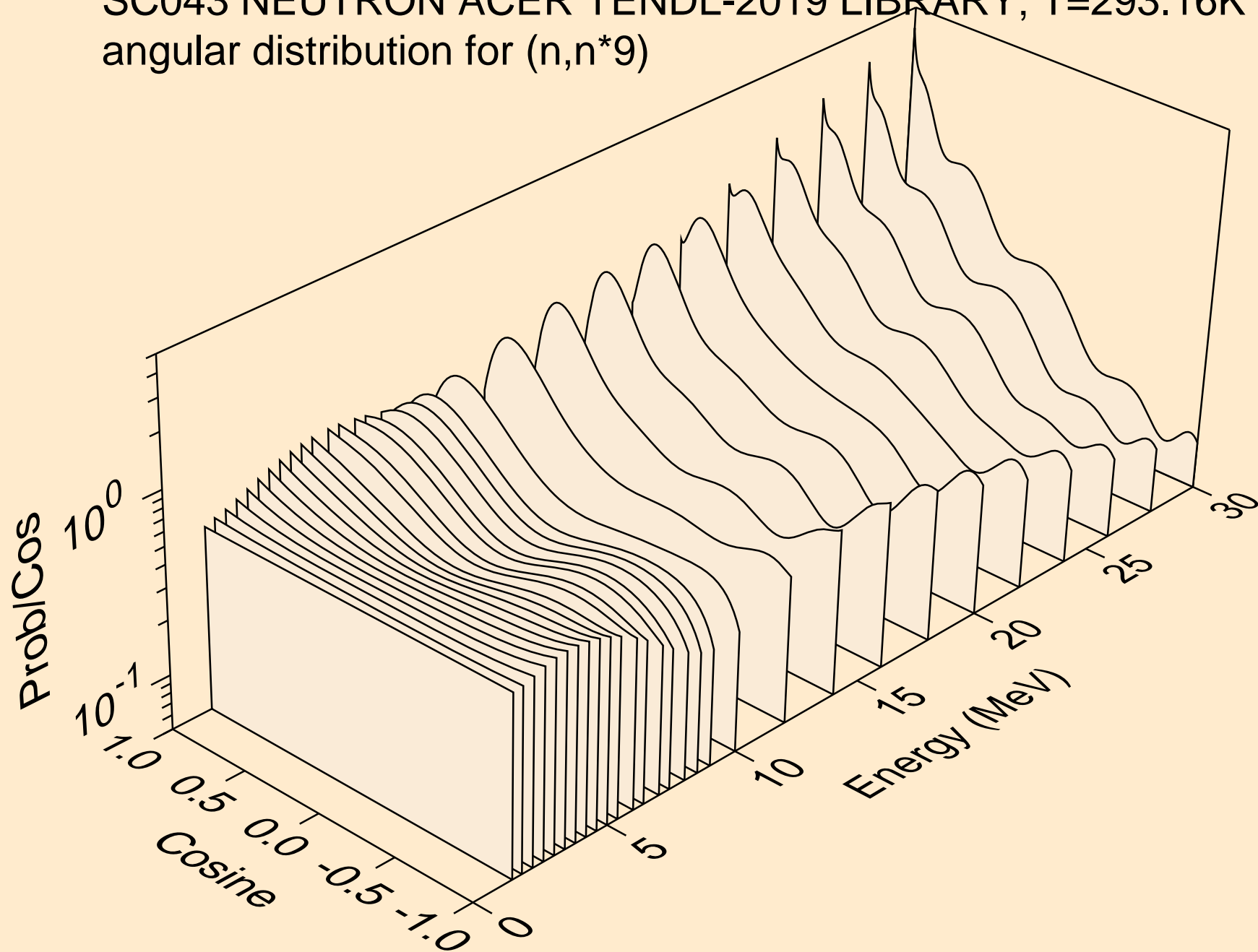
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)



SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)

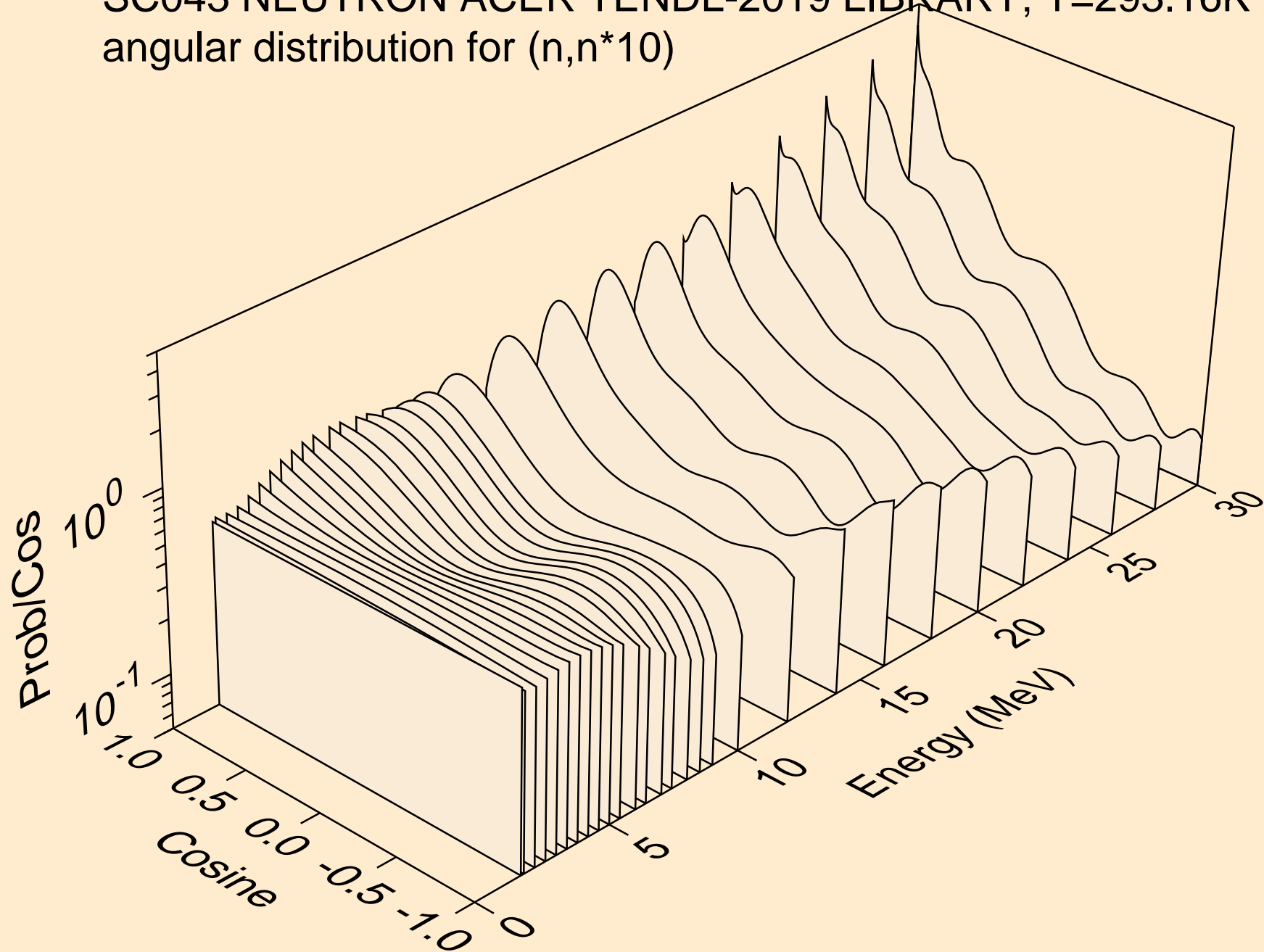


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angular distribution for (n,n\*9)

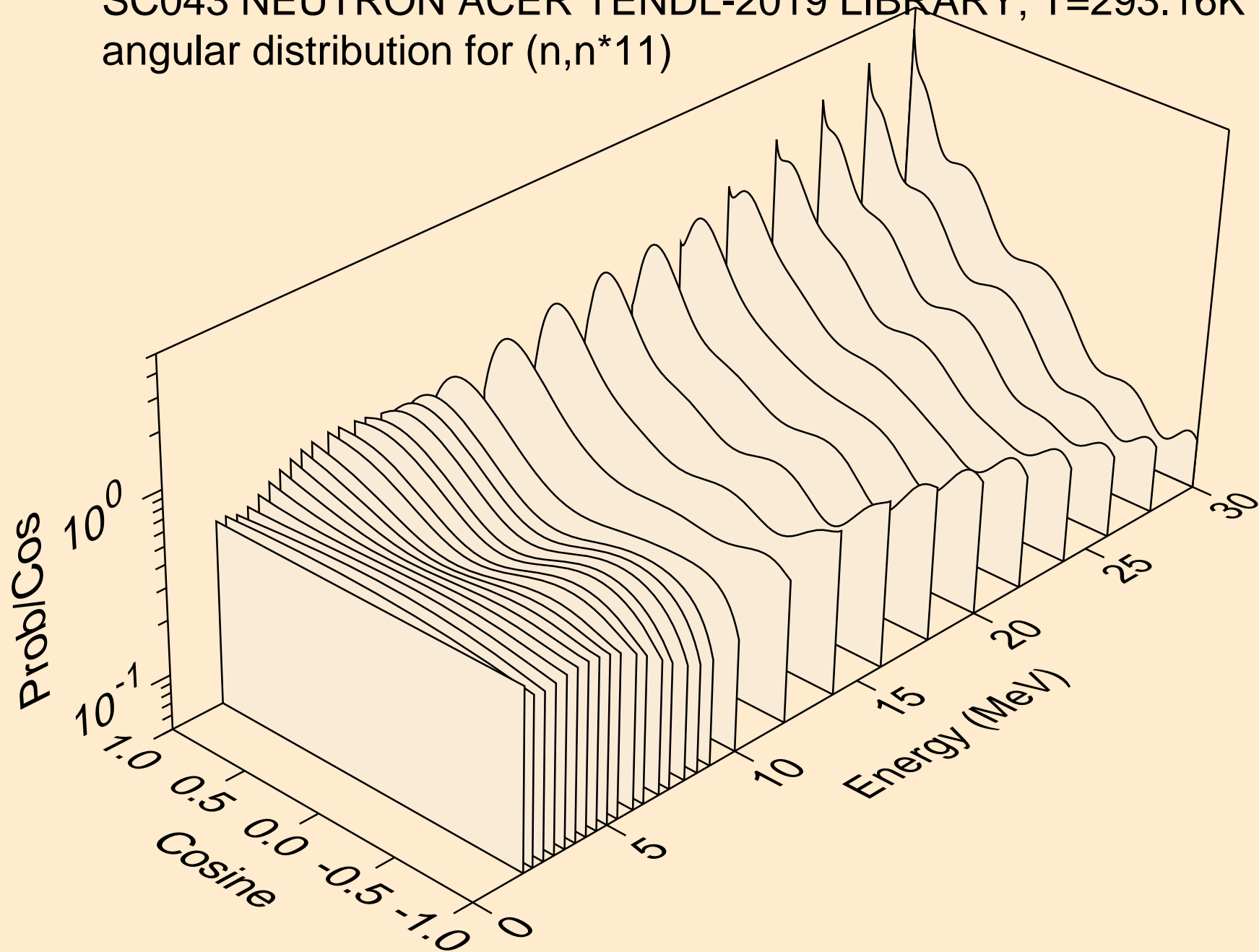




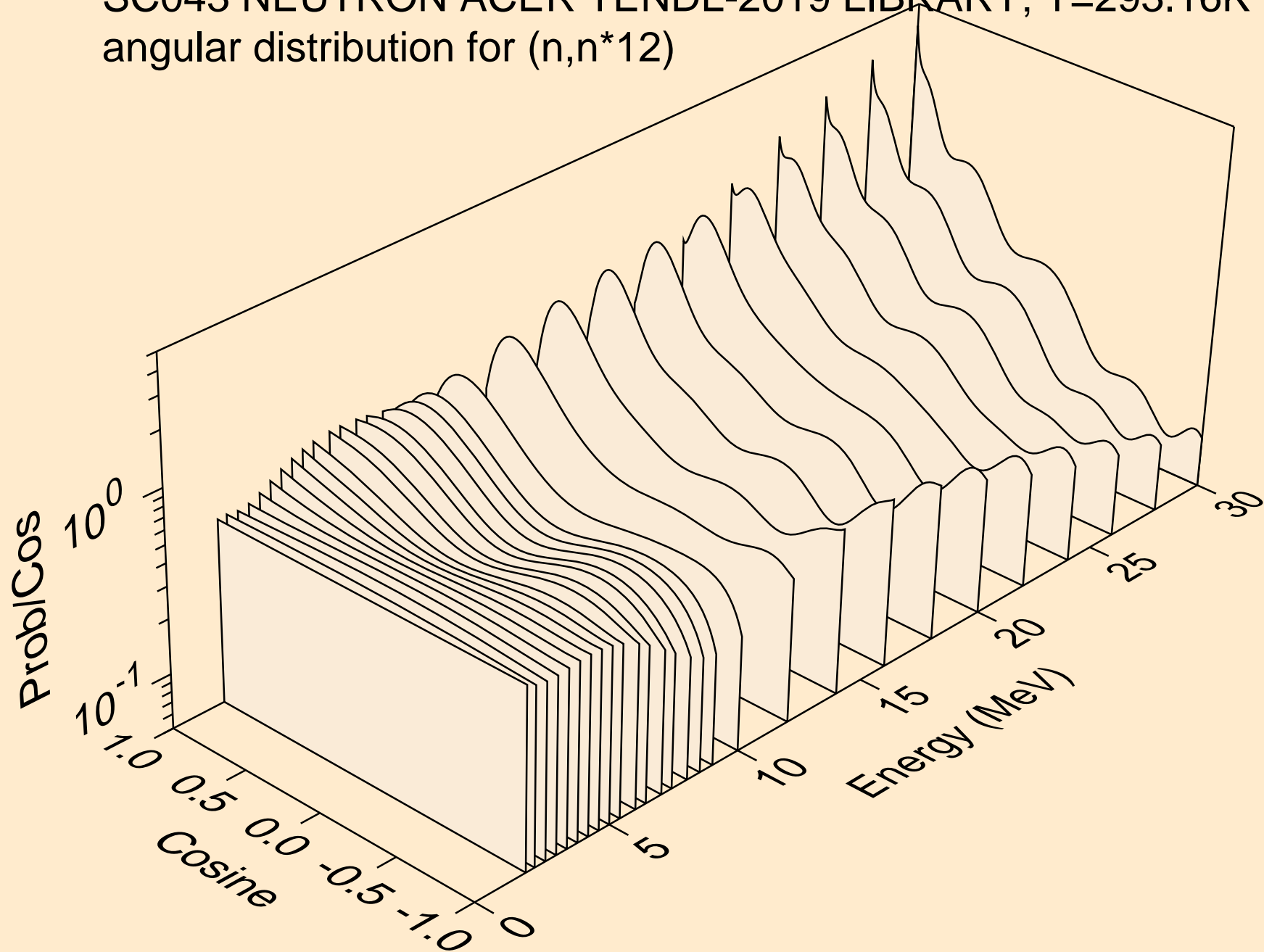
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angular distribution for (n,n\*10)



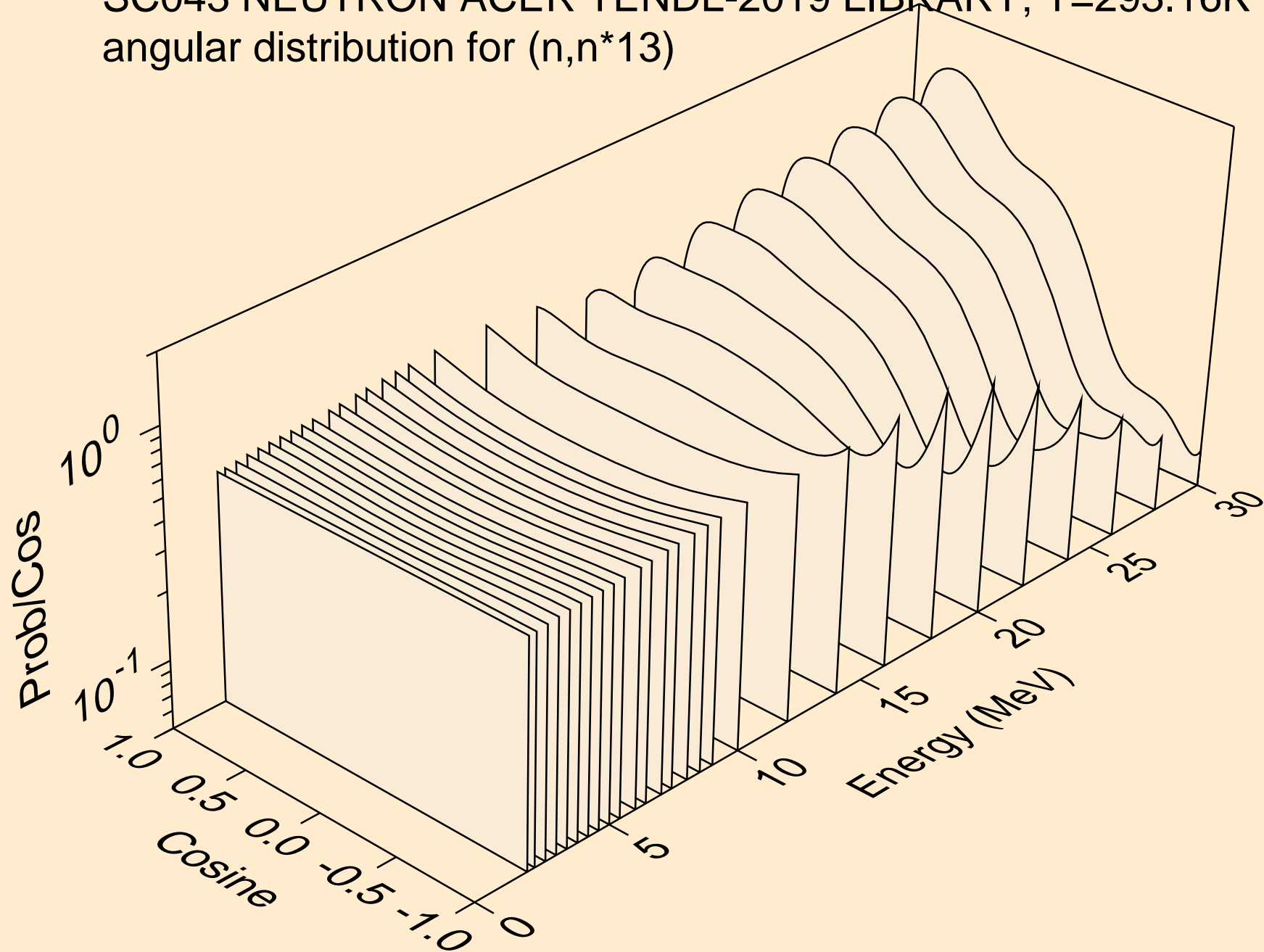
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angular distribution for (n,n\*11)



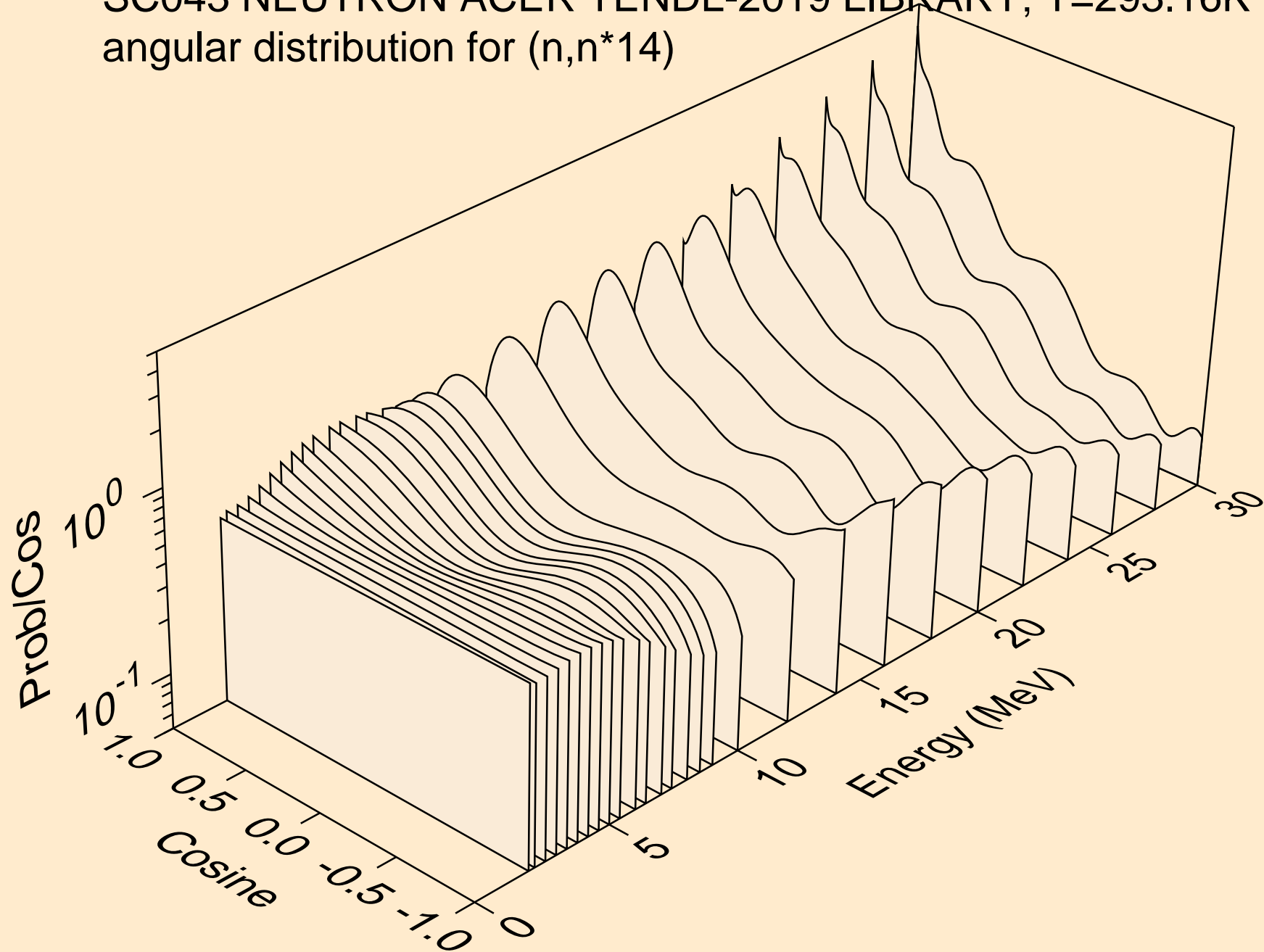
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angular distribution for (n,n\*12)



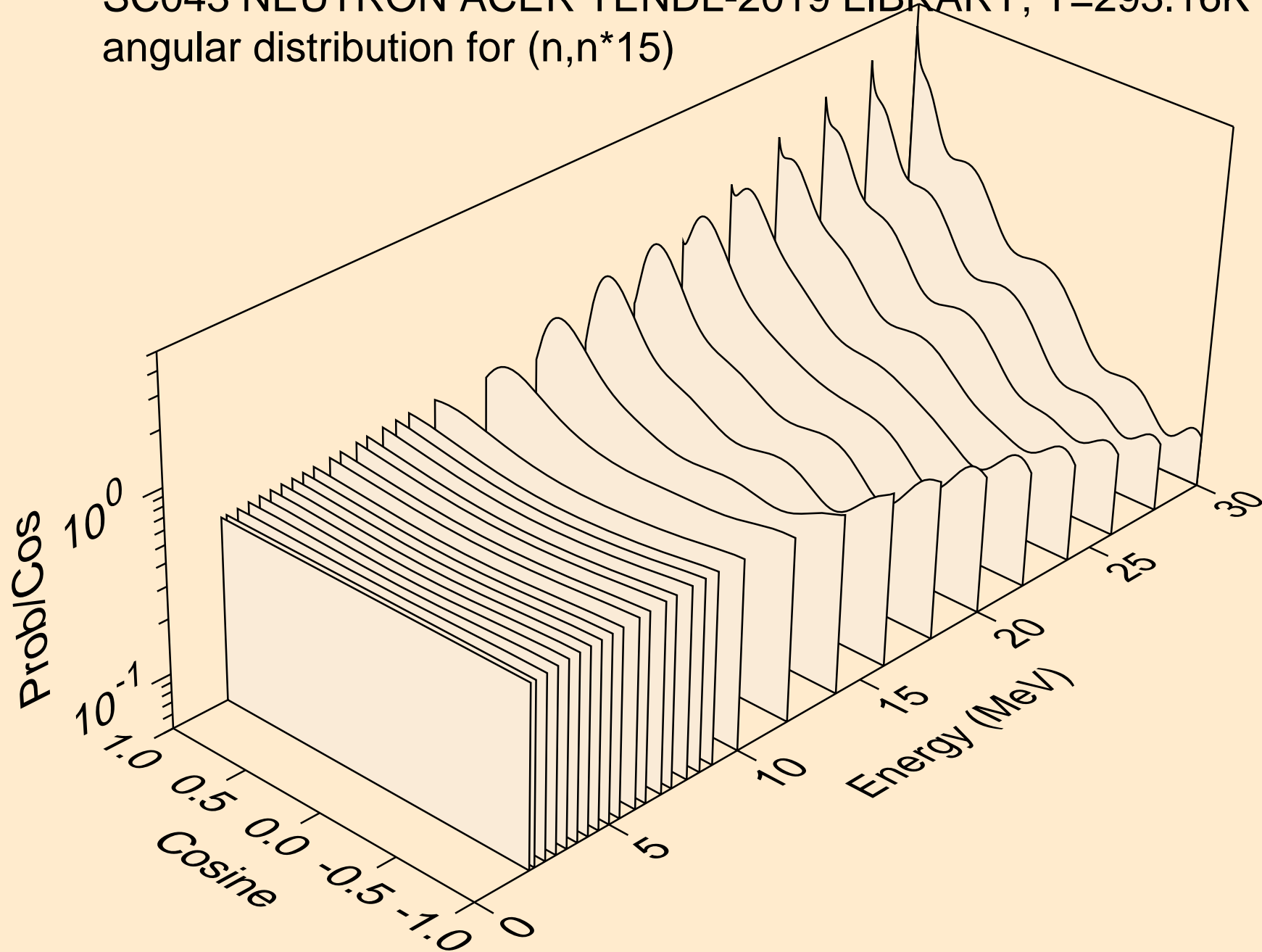
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angular distribution for (n,n\*13)



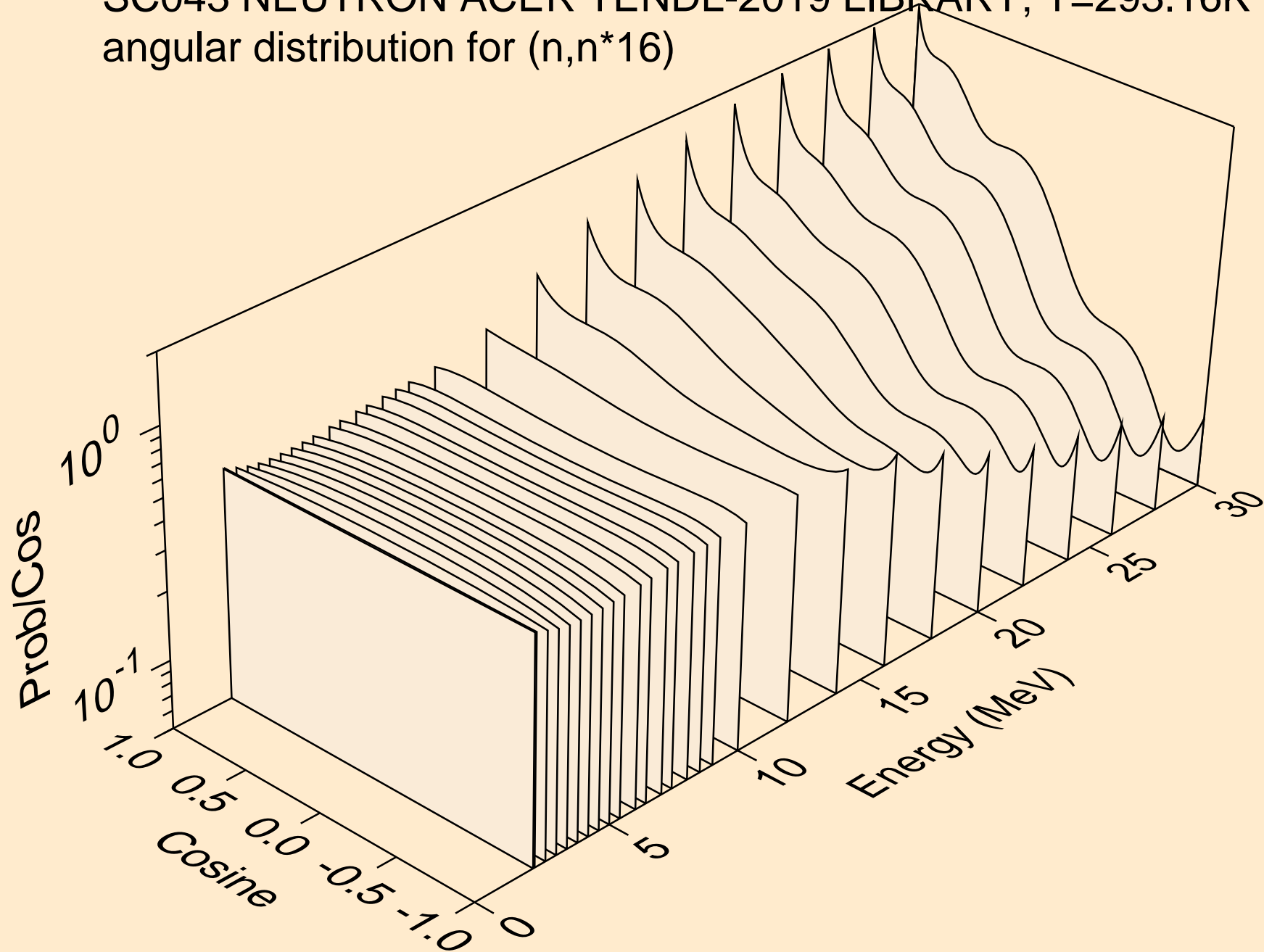
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angular distribution for (n,n\*14)



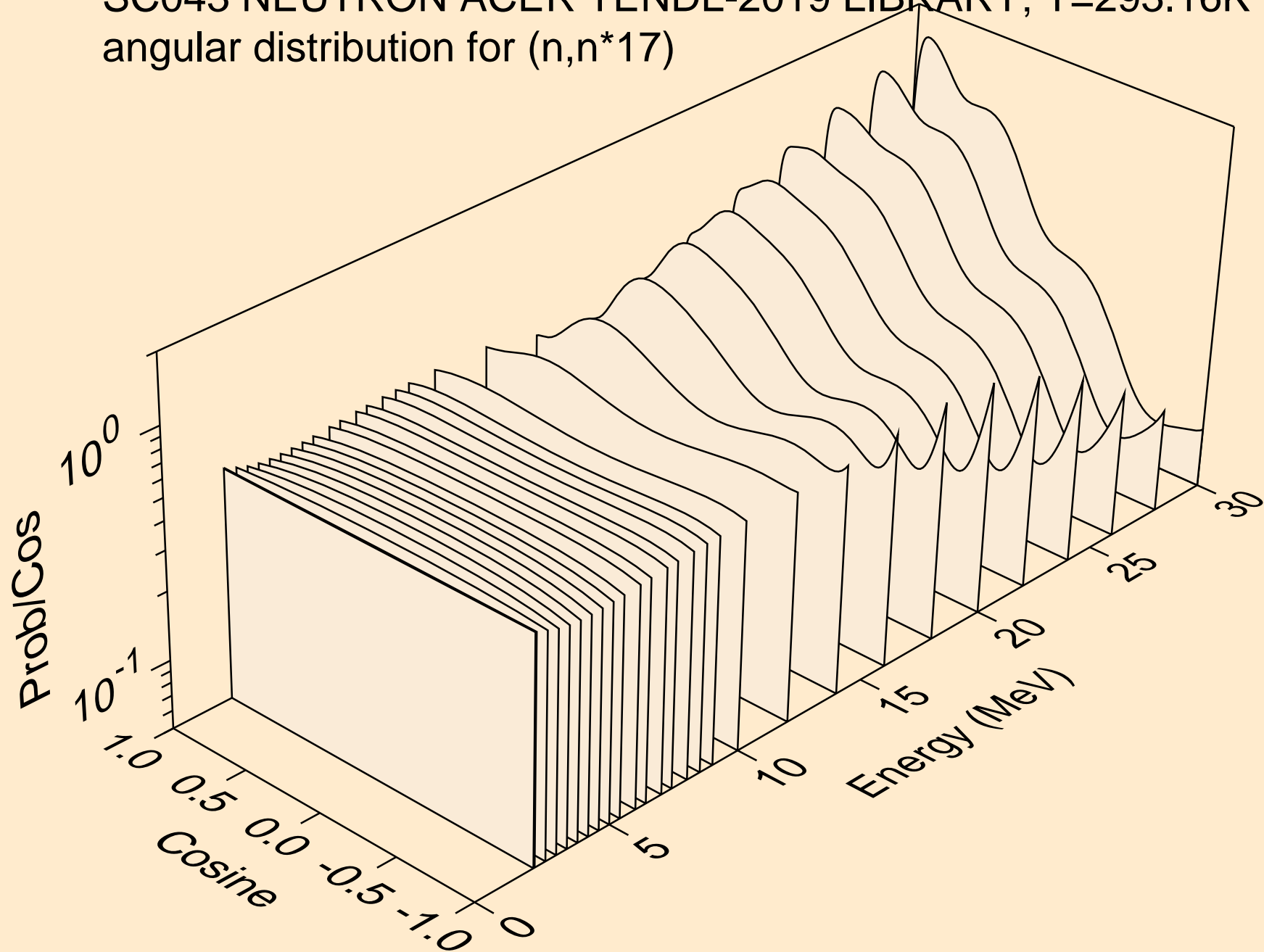
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angular distribution for (n,n\*15)



SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*16)

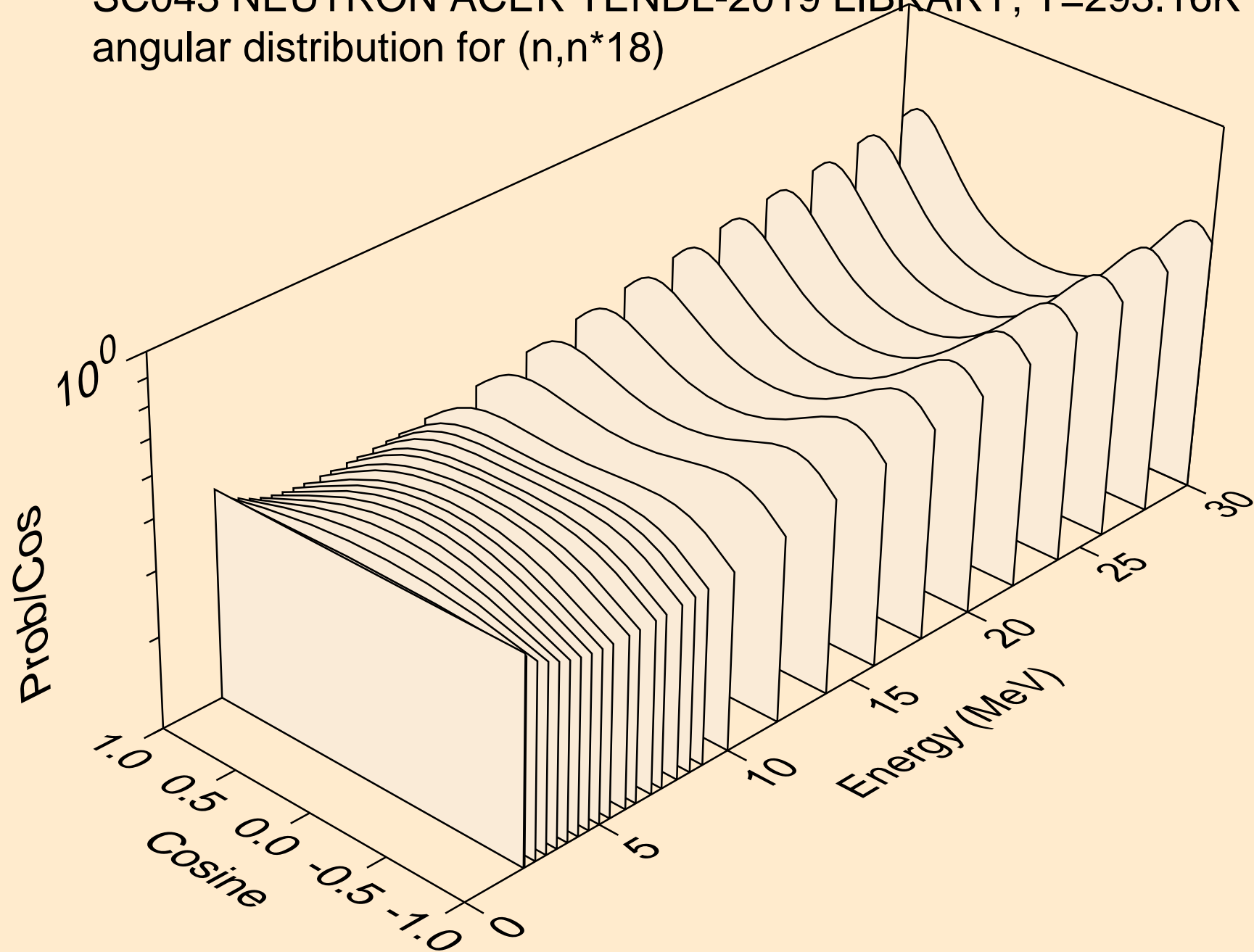


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angular distribution for (n,n\*17)

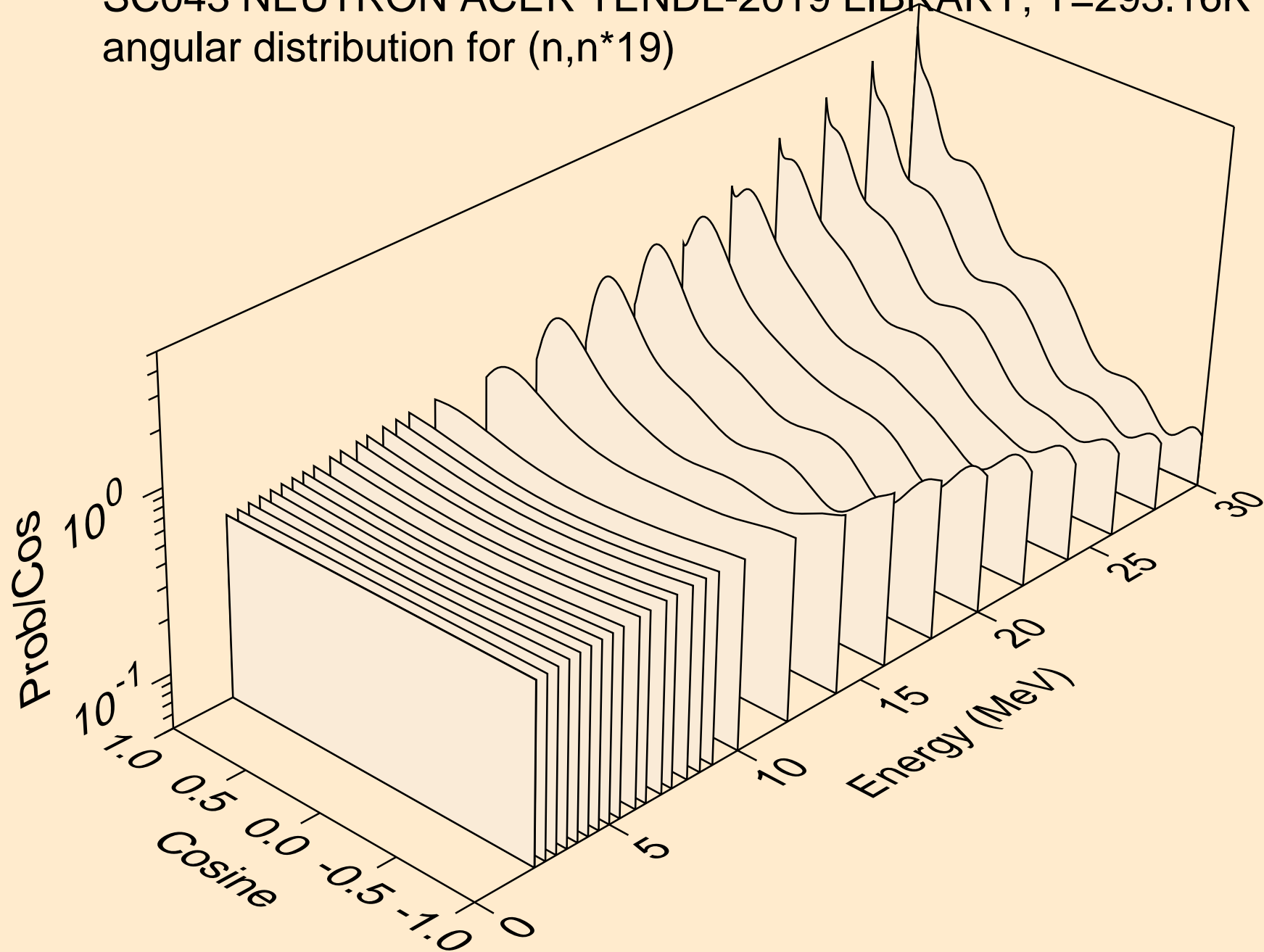




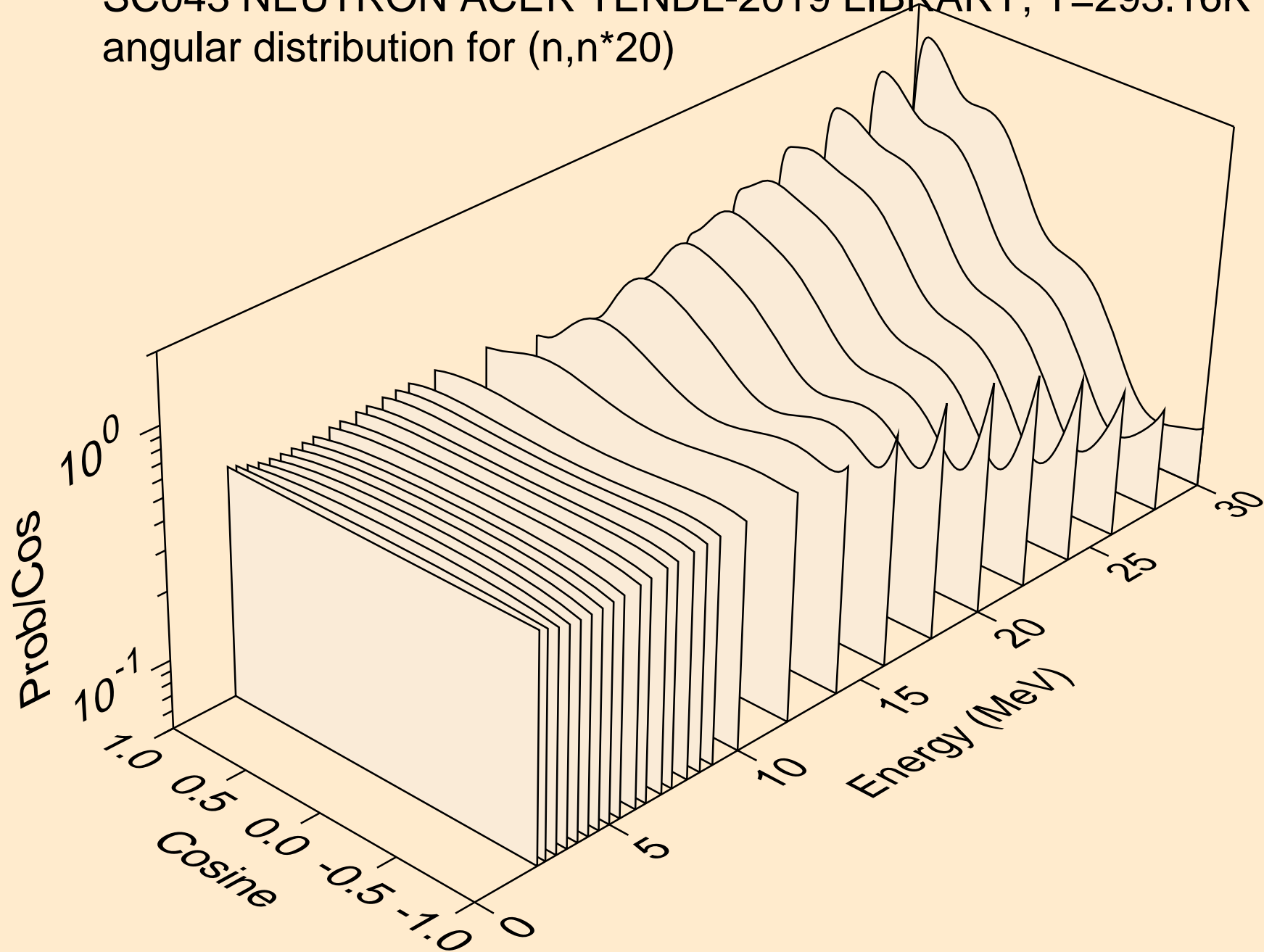
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angular distribution for (n,n\*18)



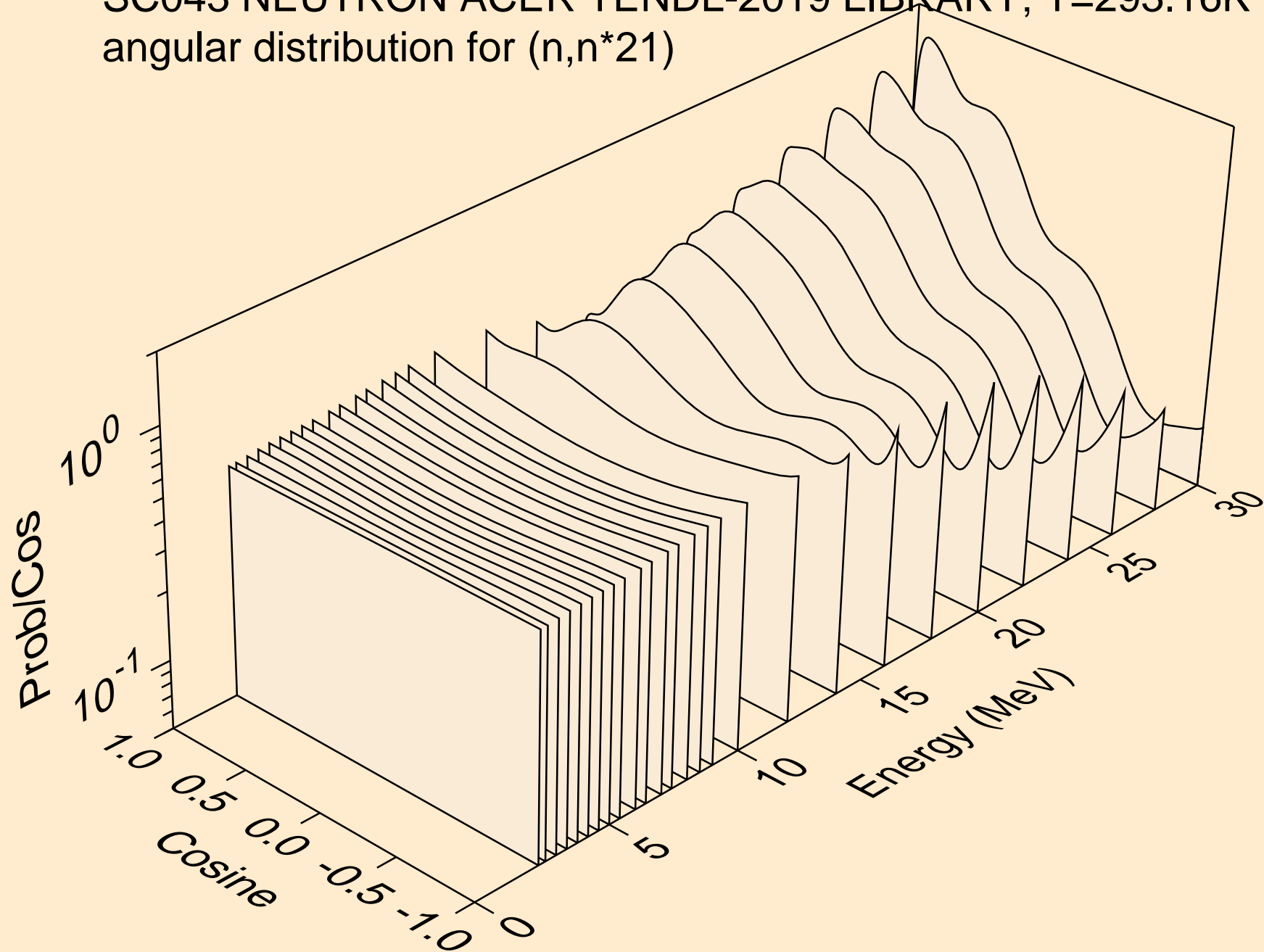
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angular distribution for (n,n\*19)



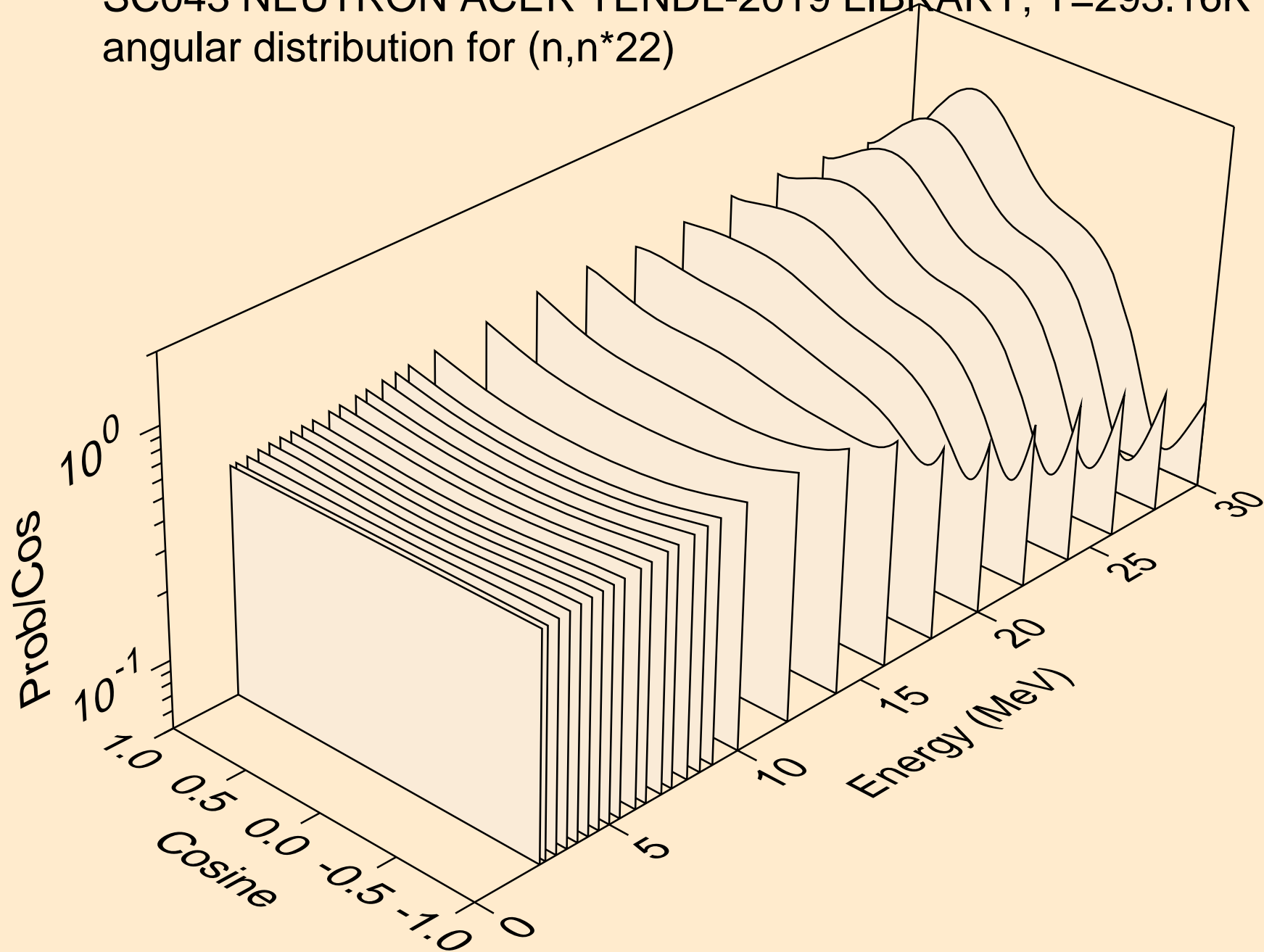
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angular distribution for (n,n\*20)



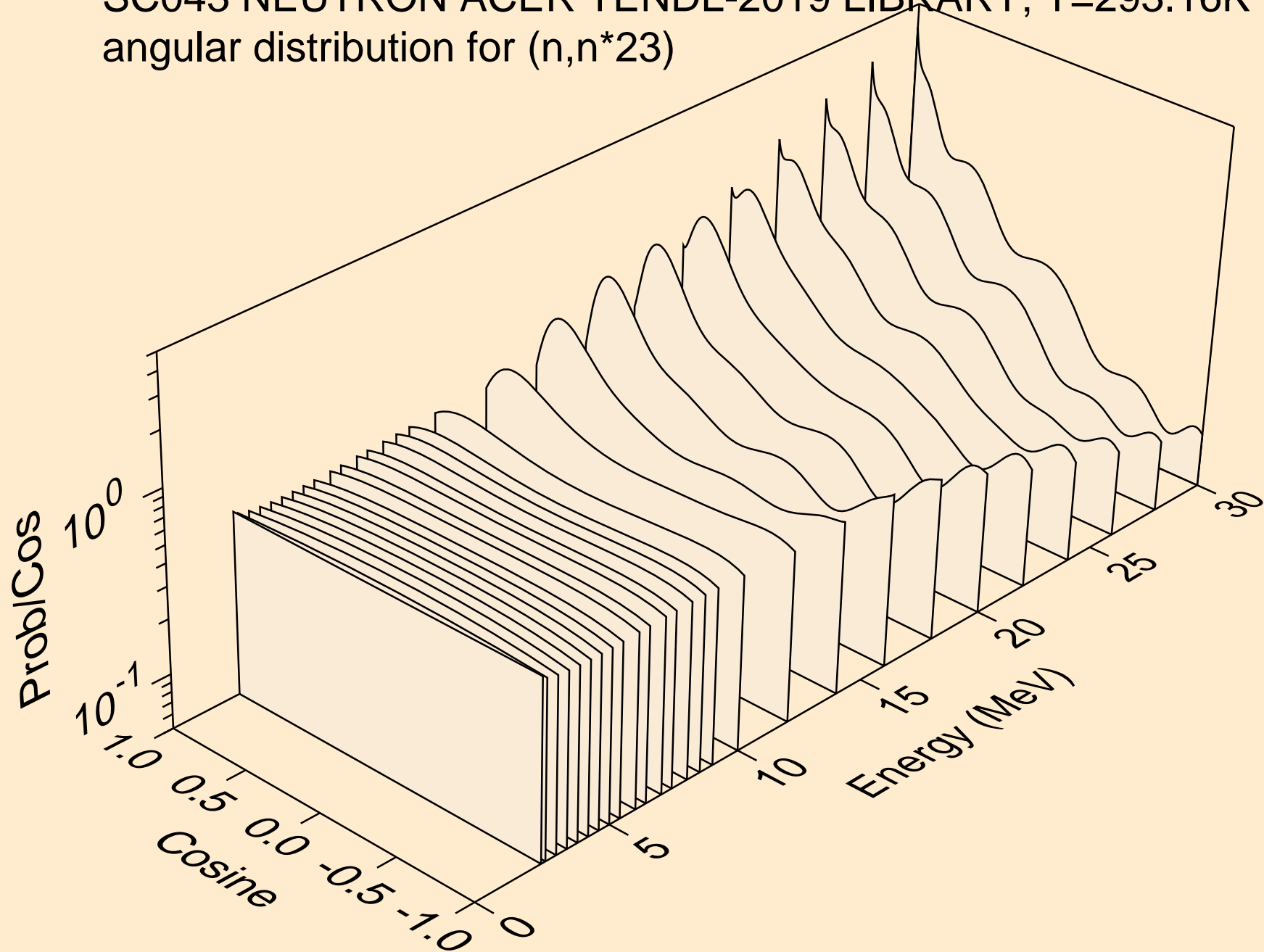
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angular distribution for (n,n\*21)



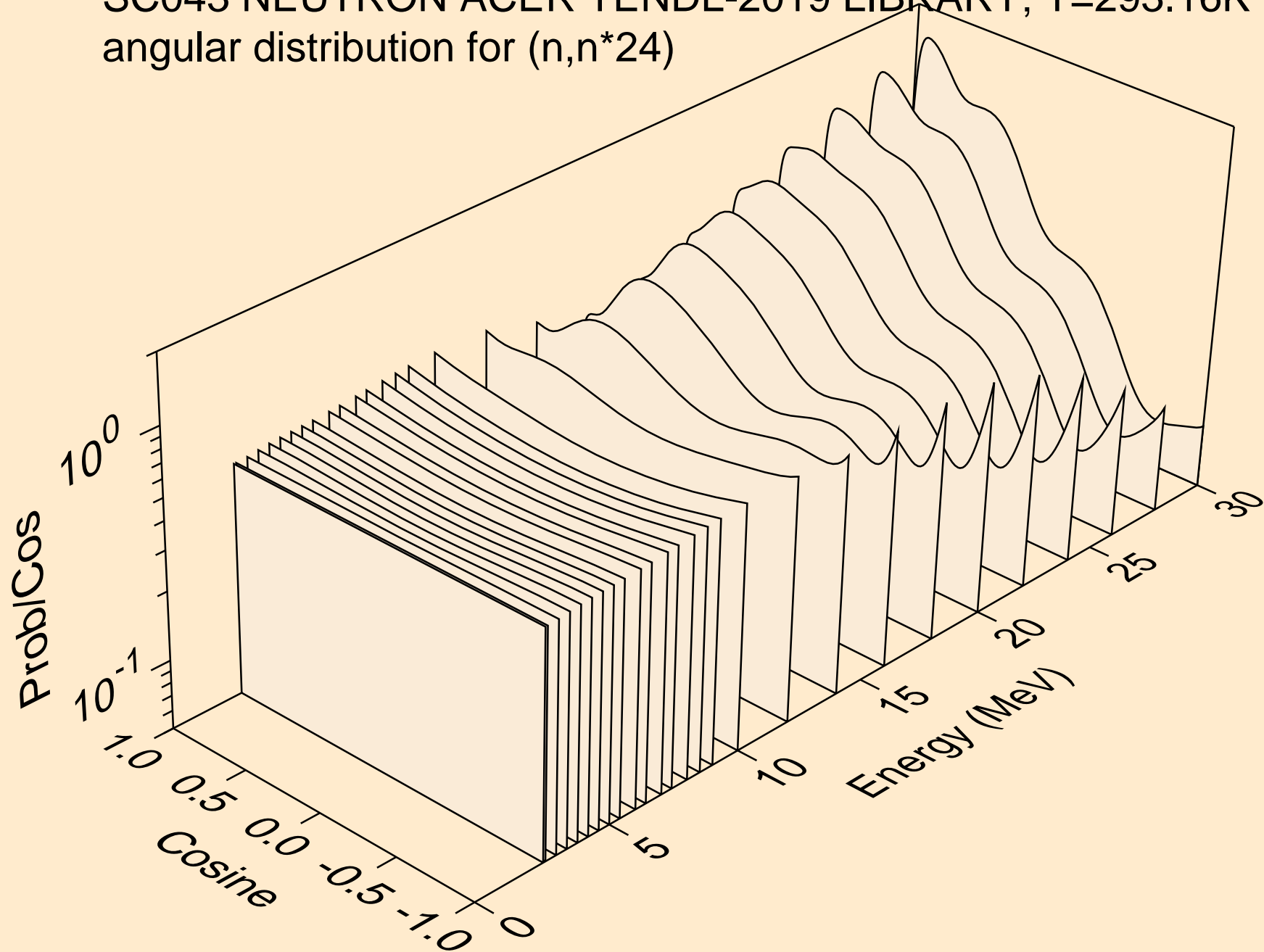
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angular distribution for (n,n\*22)



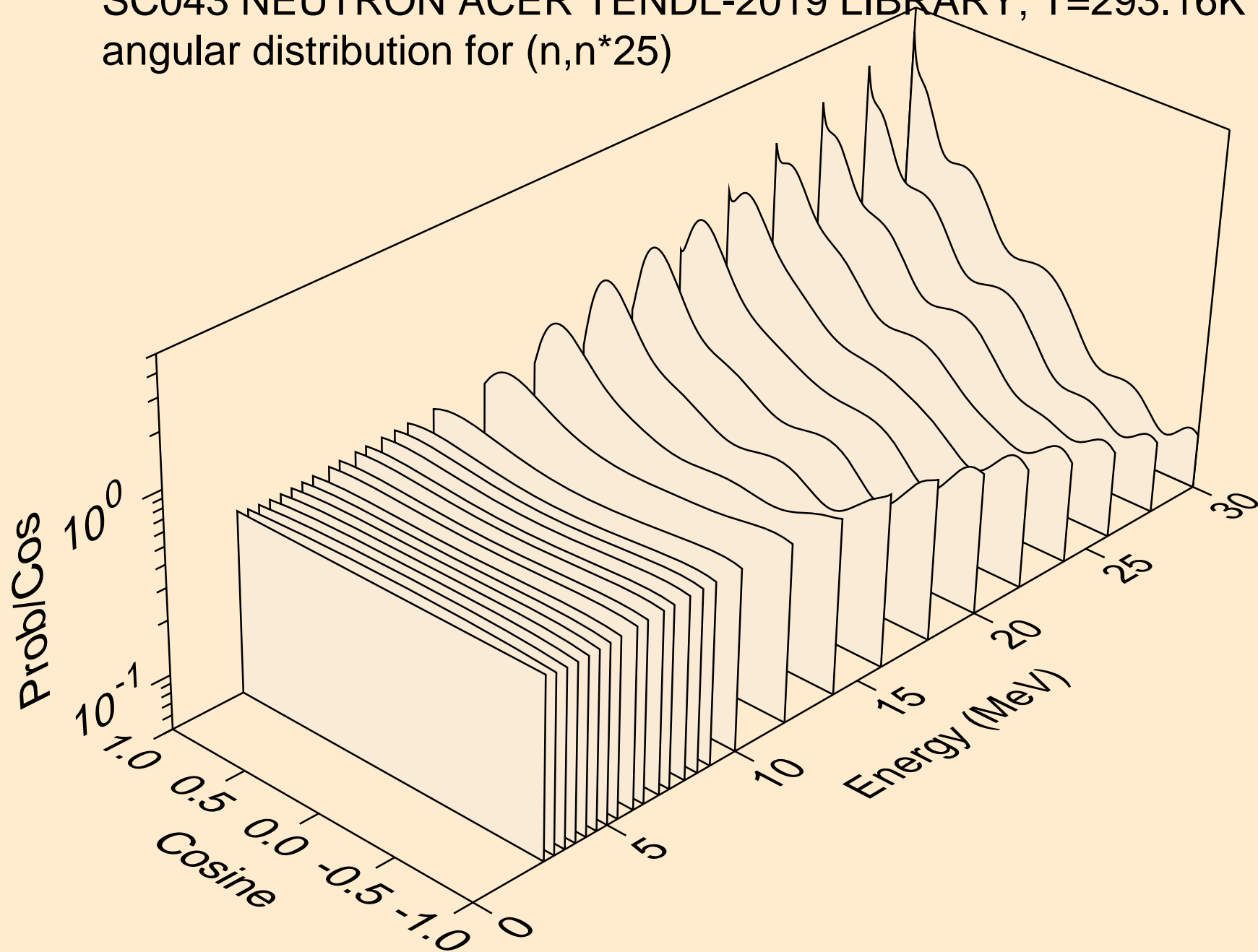
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angular distribution for (n,n\*23)



SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*24)

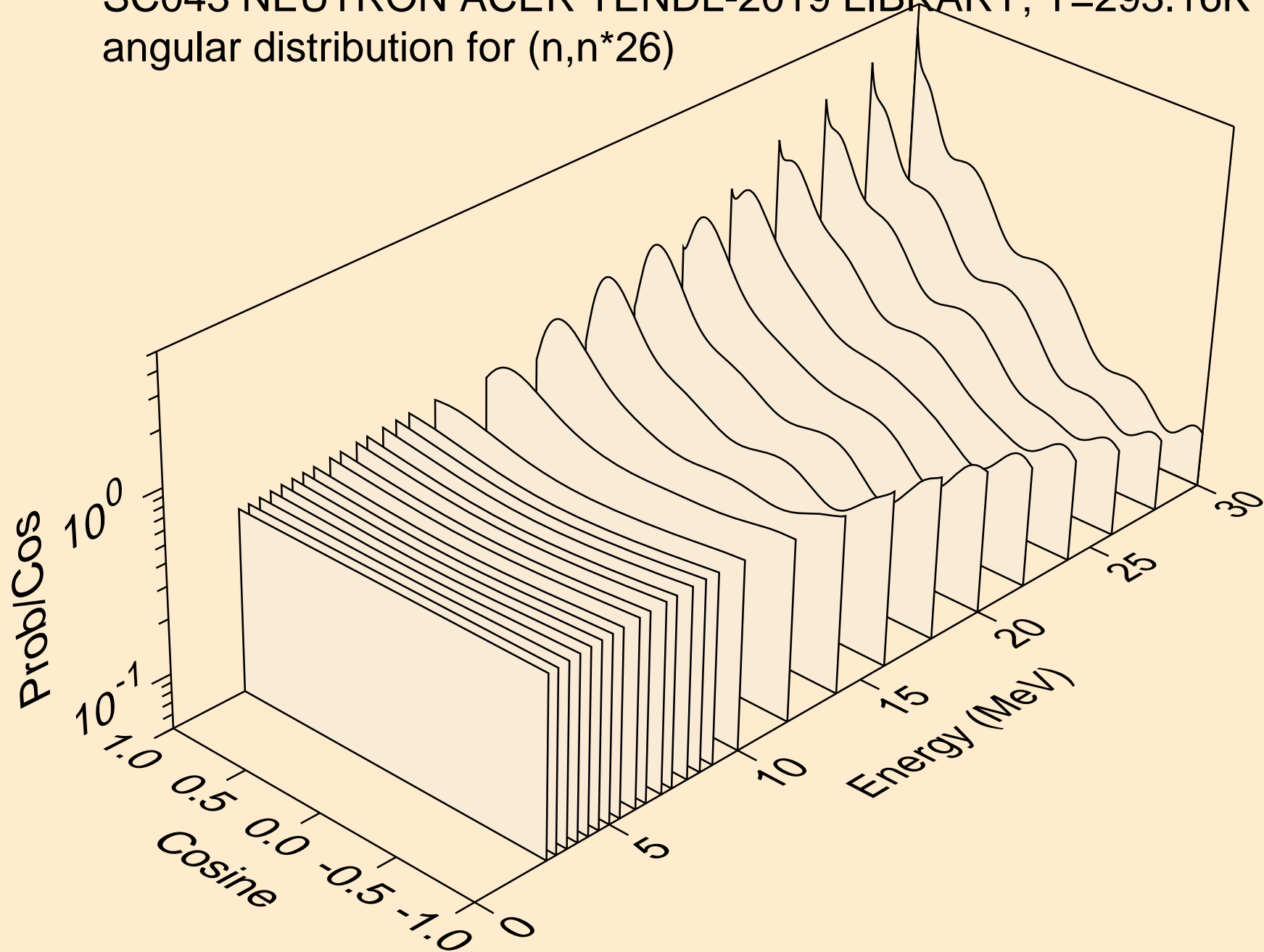


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angular distribution for (n,n\*25)

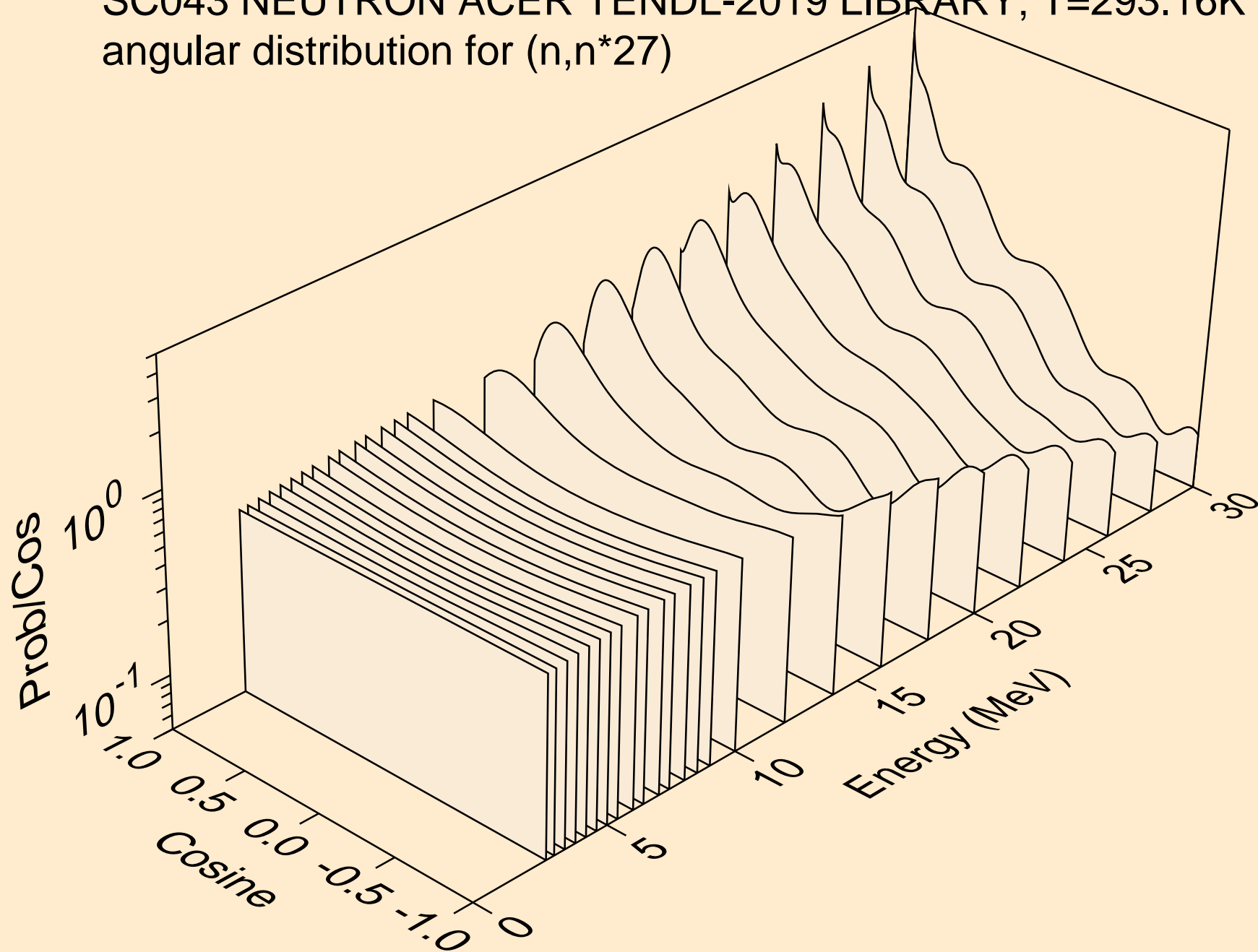




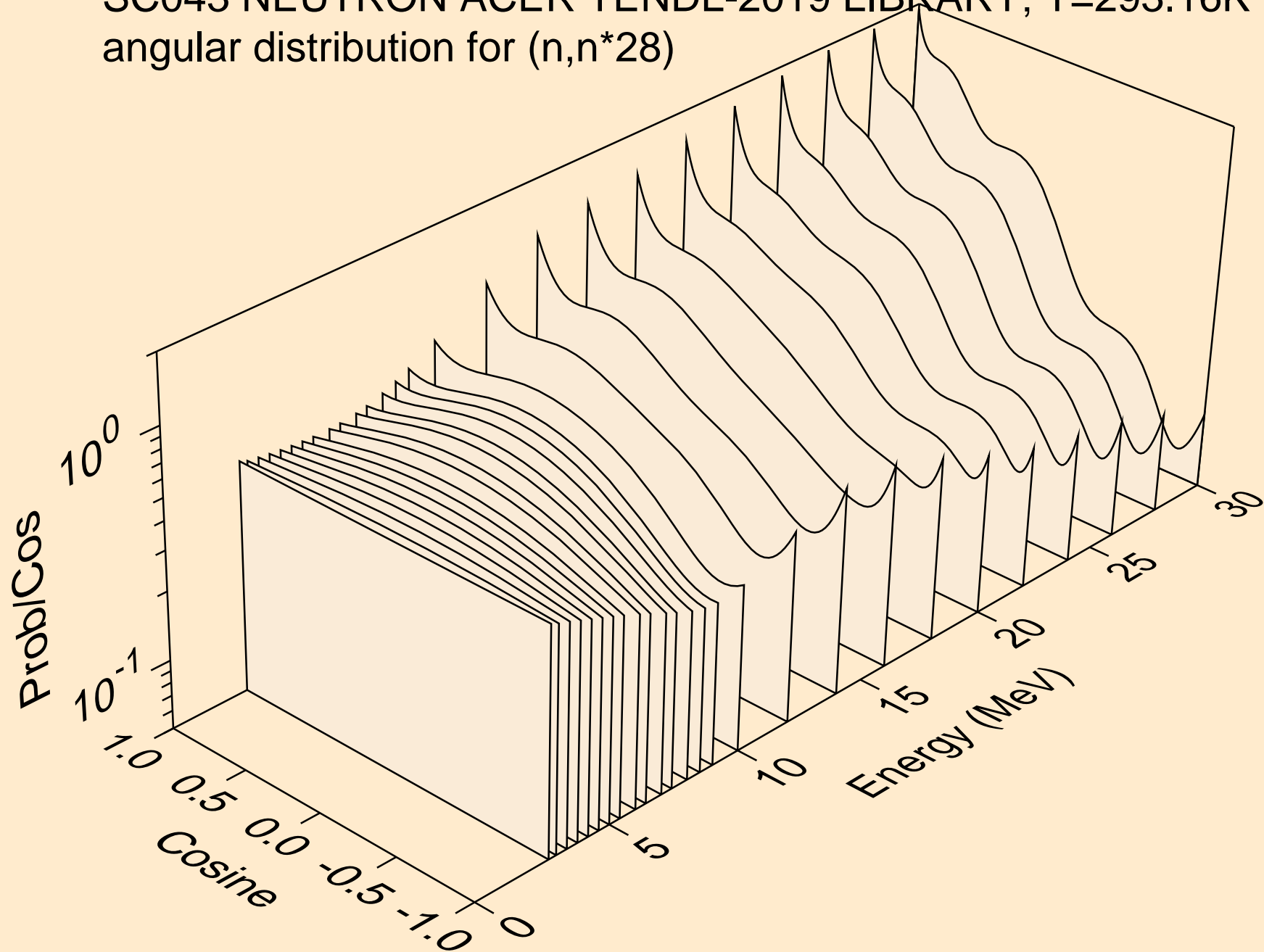
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angular distribution for (n,n\*26)



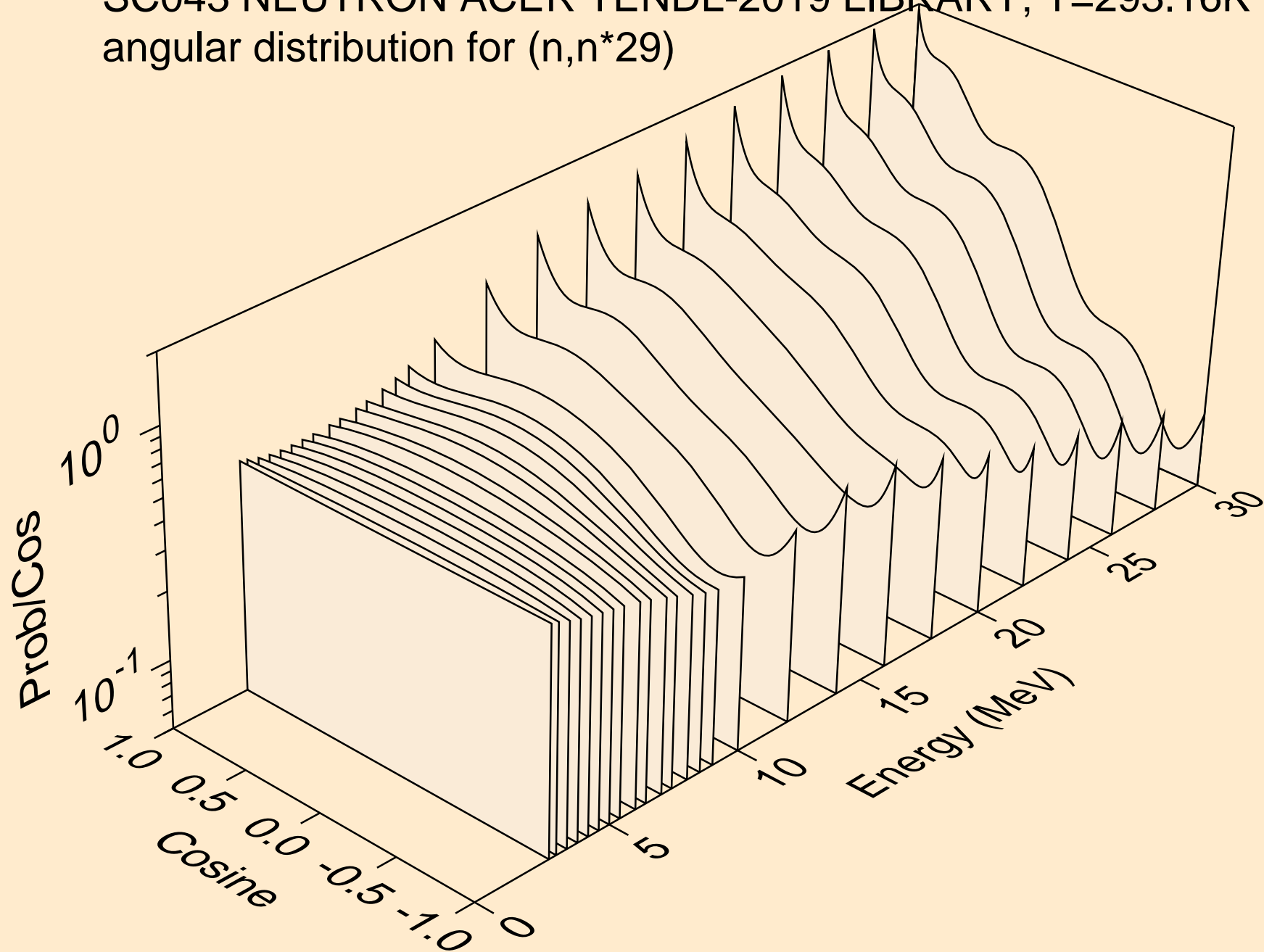
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angular distribution for (n,n\*27)



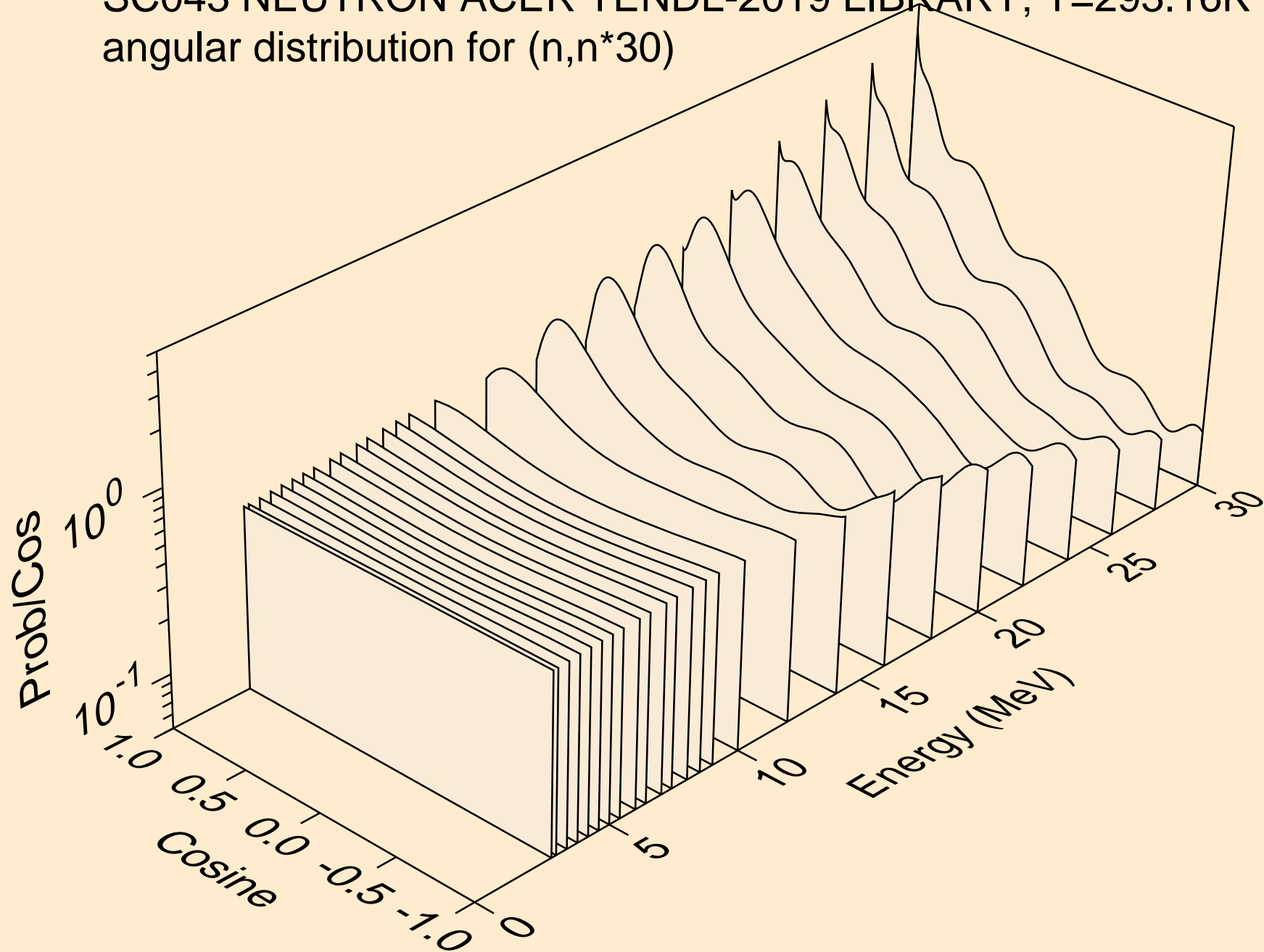
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angular distribution for (n,n\*28)



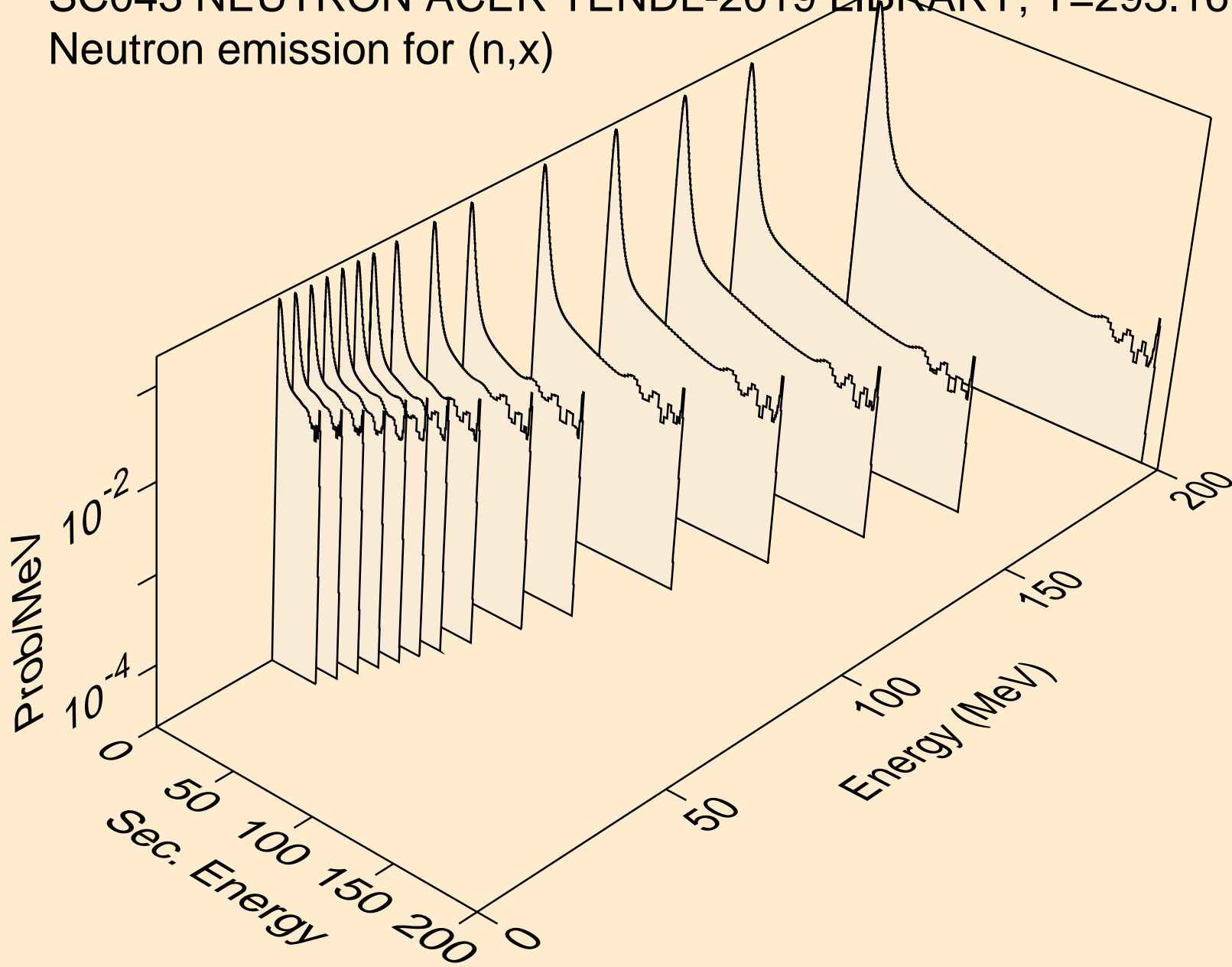
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angular distribution for (n,n\*29)



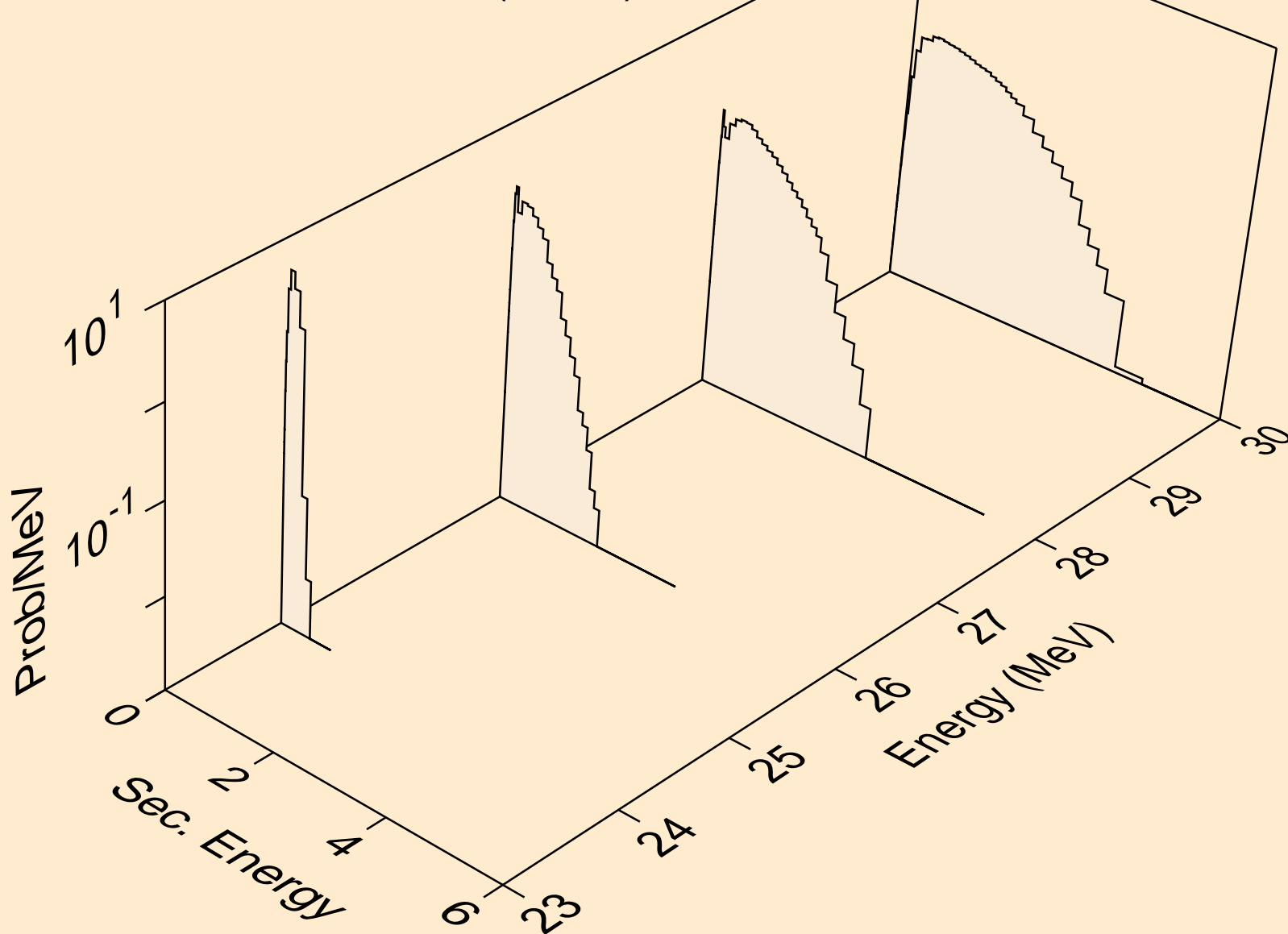
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angular distribution for (n,n\*30)



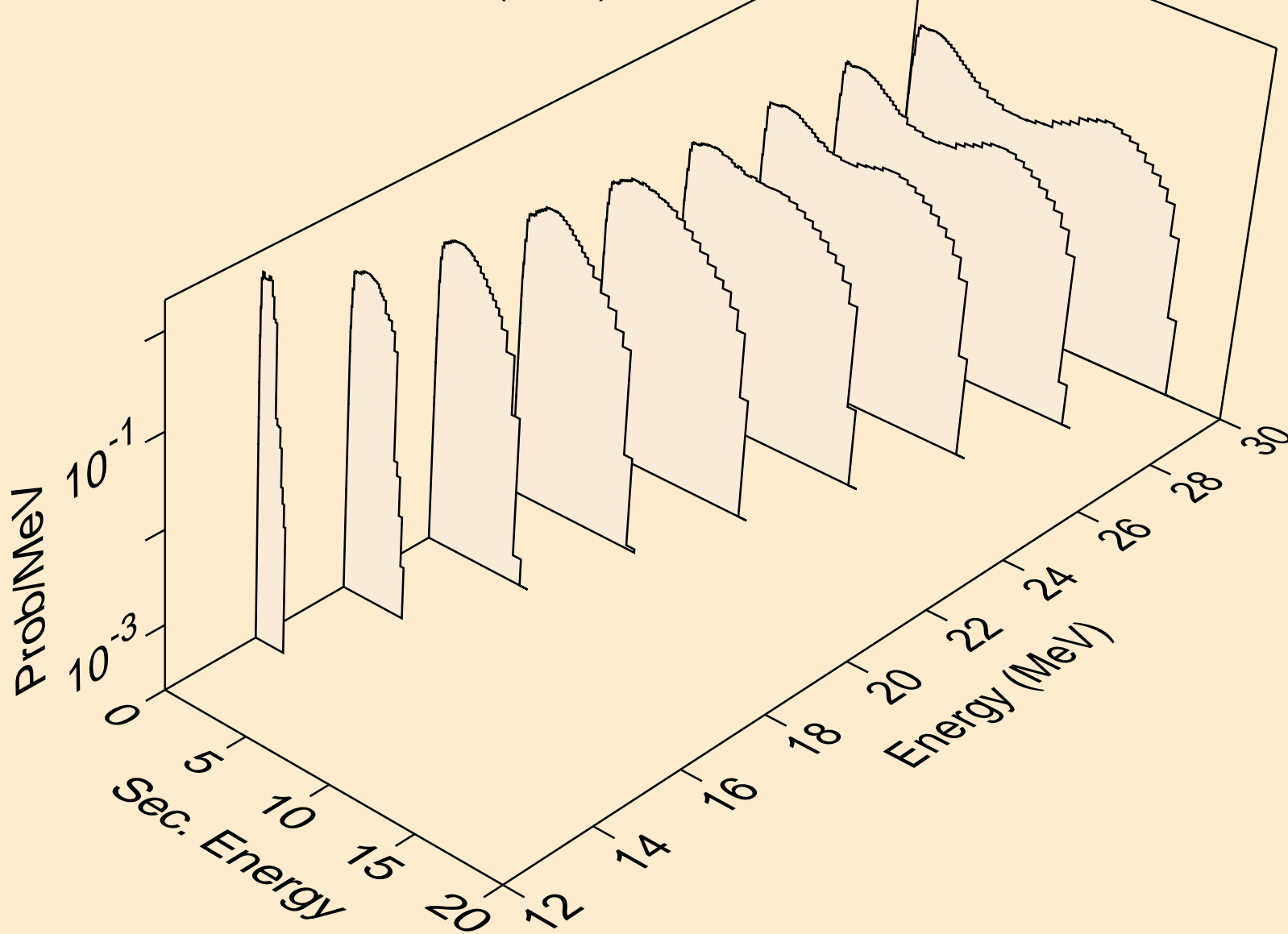
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)

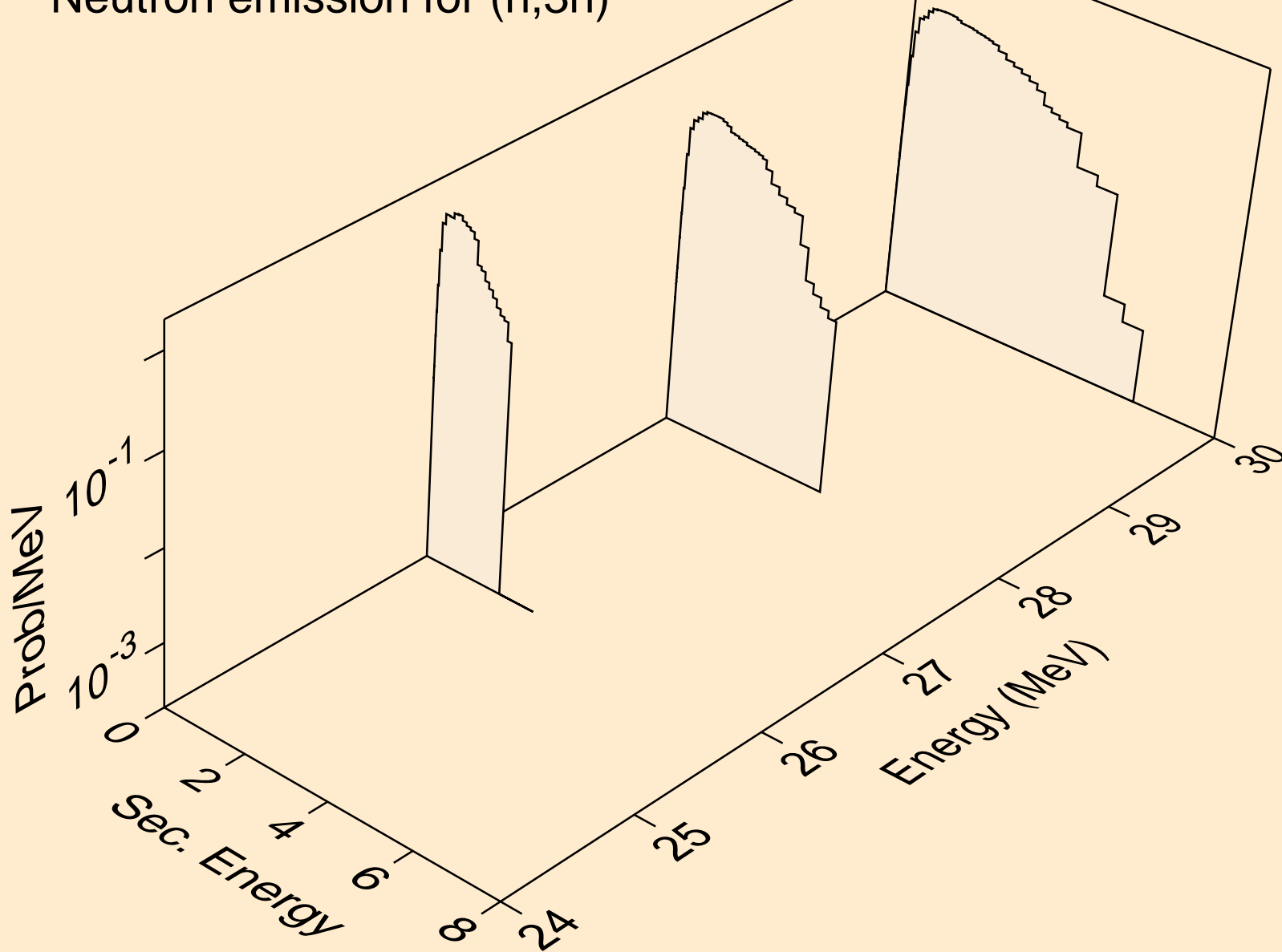


SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)

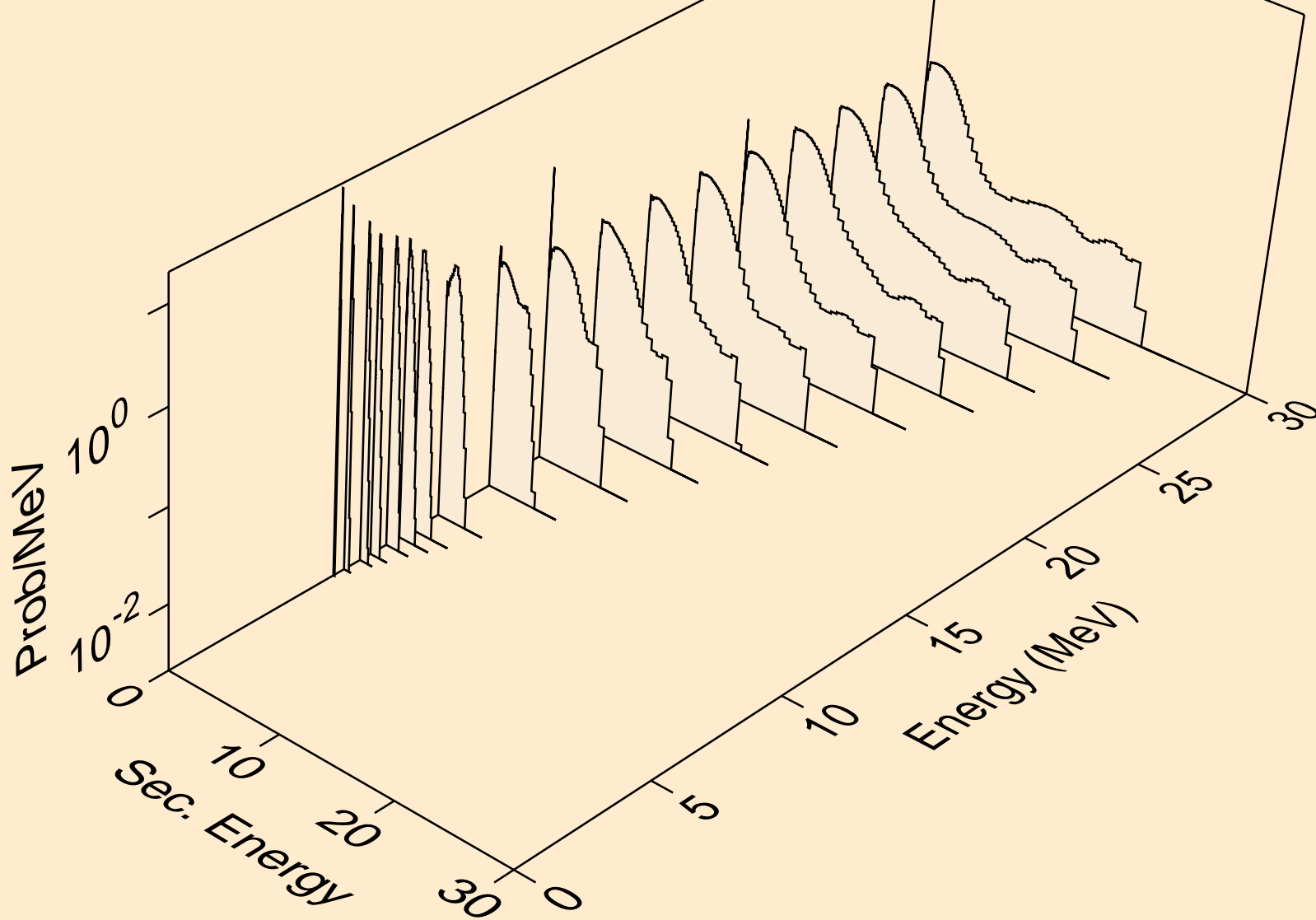




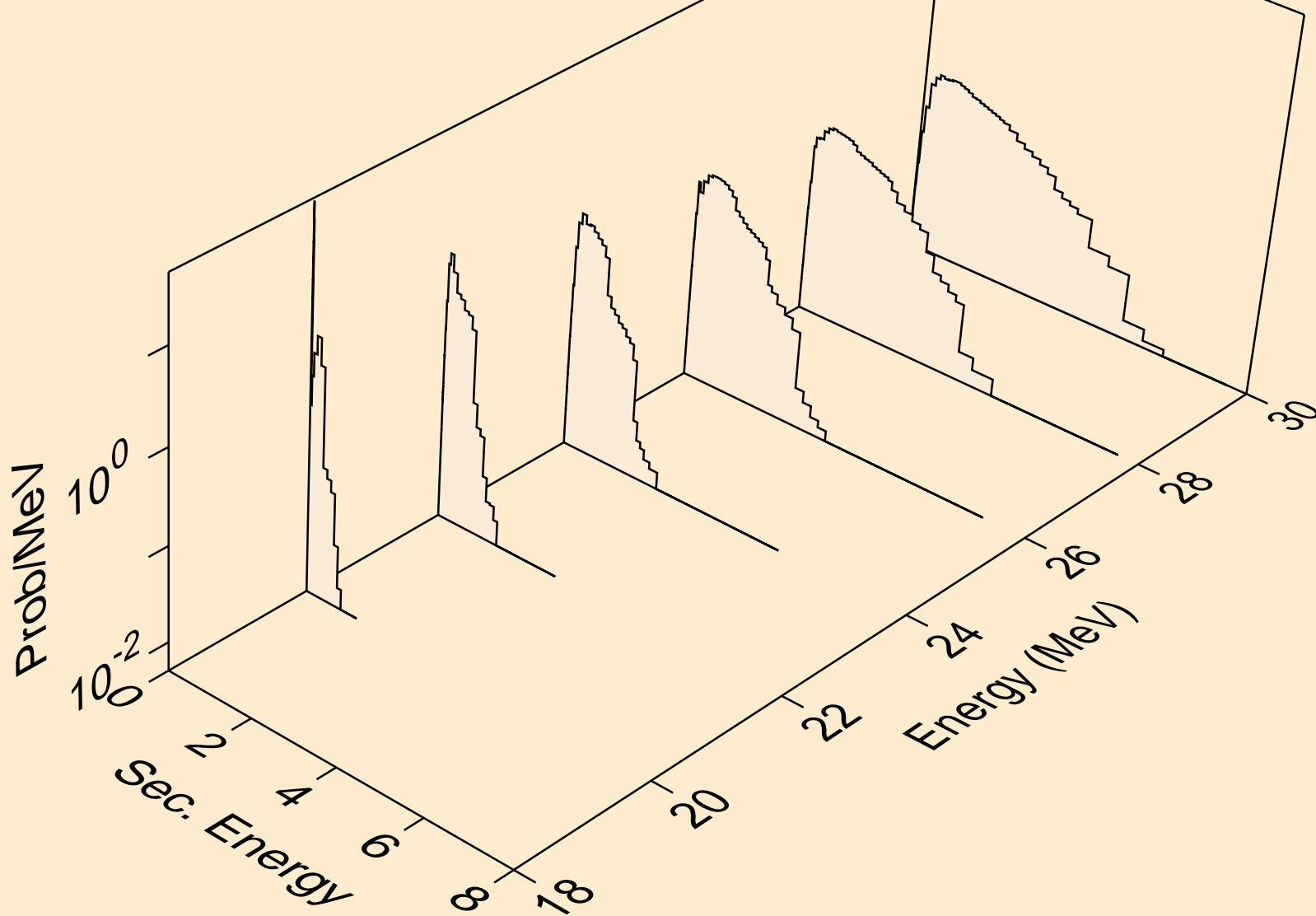
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



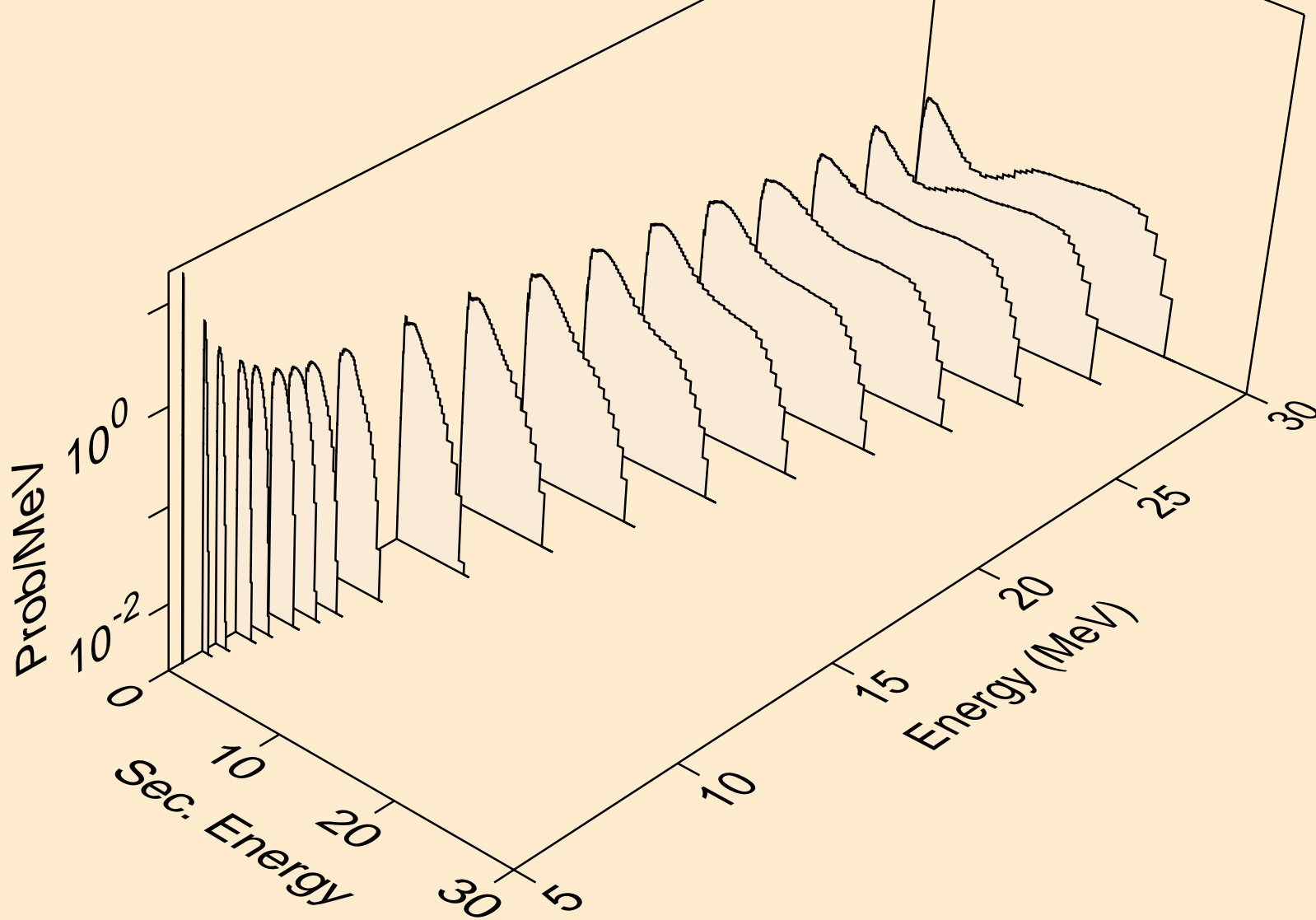
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



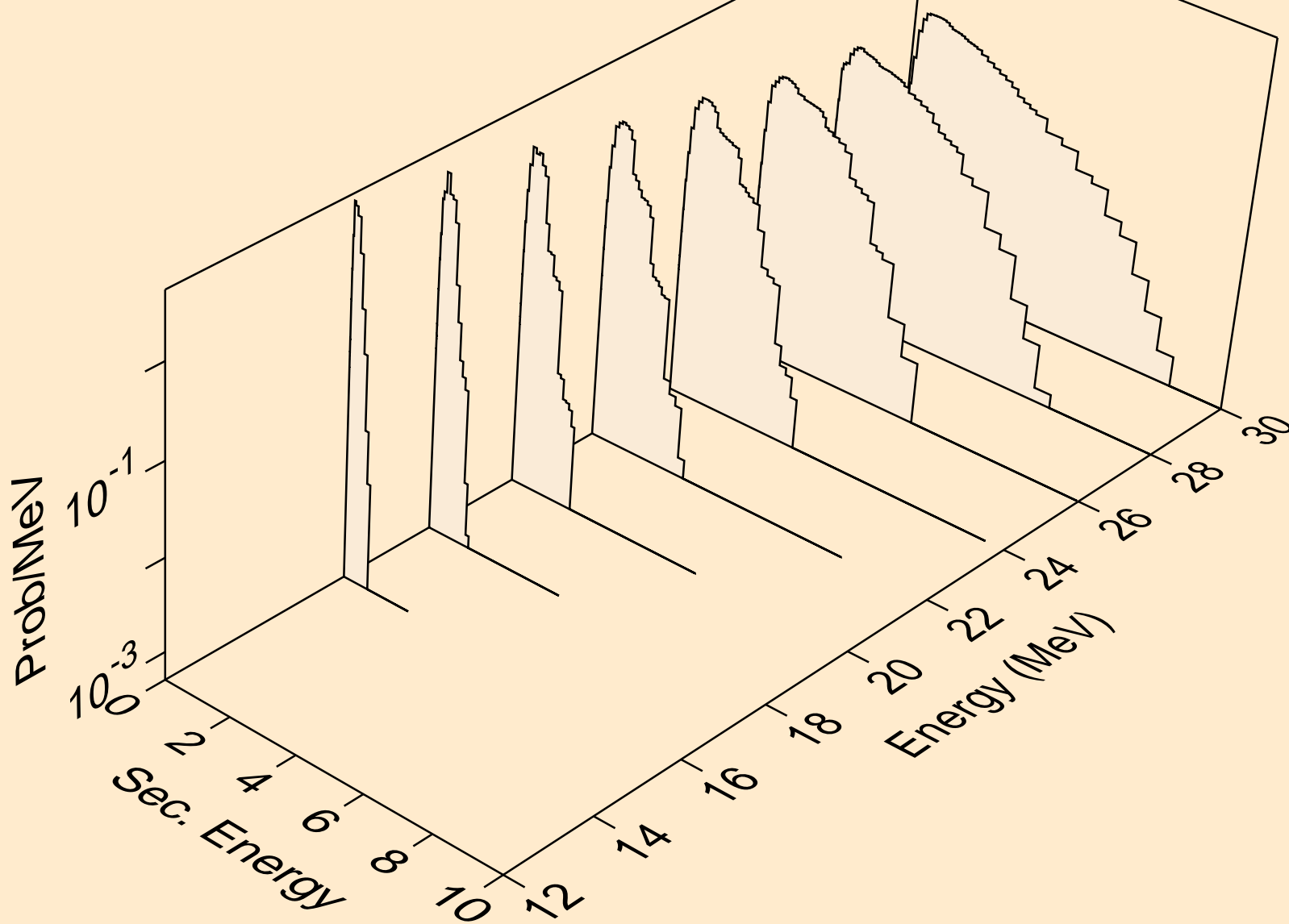
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a



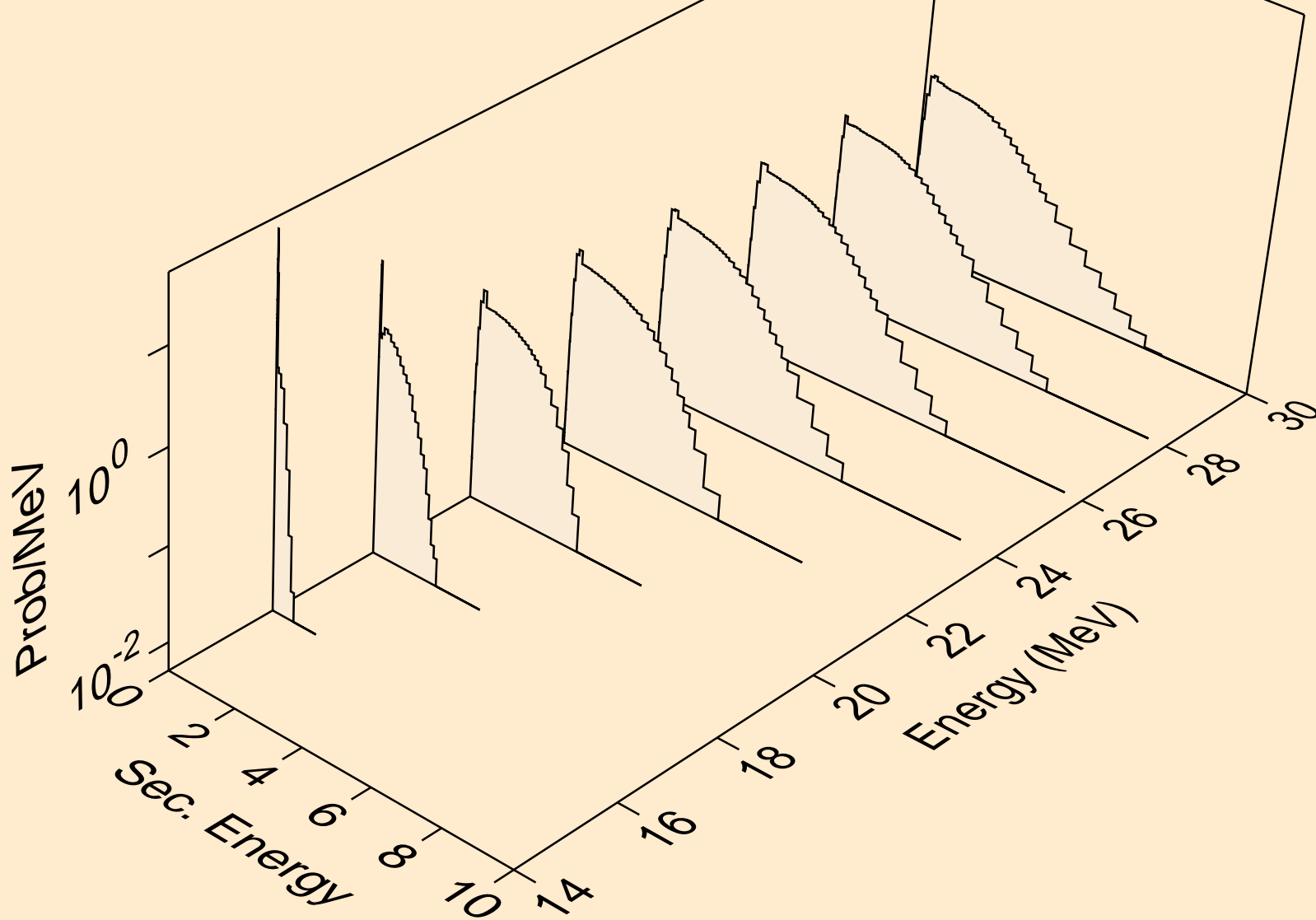
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



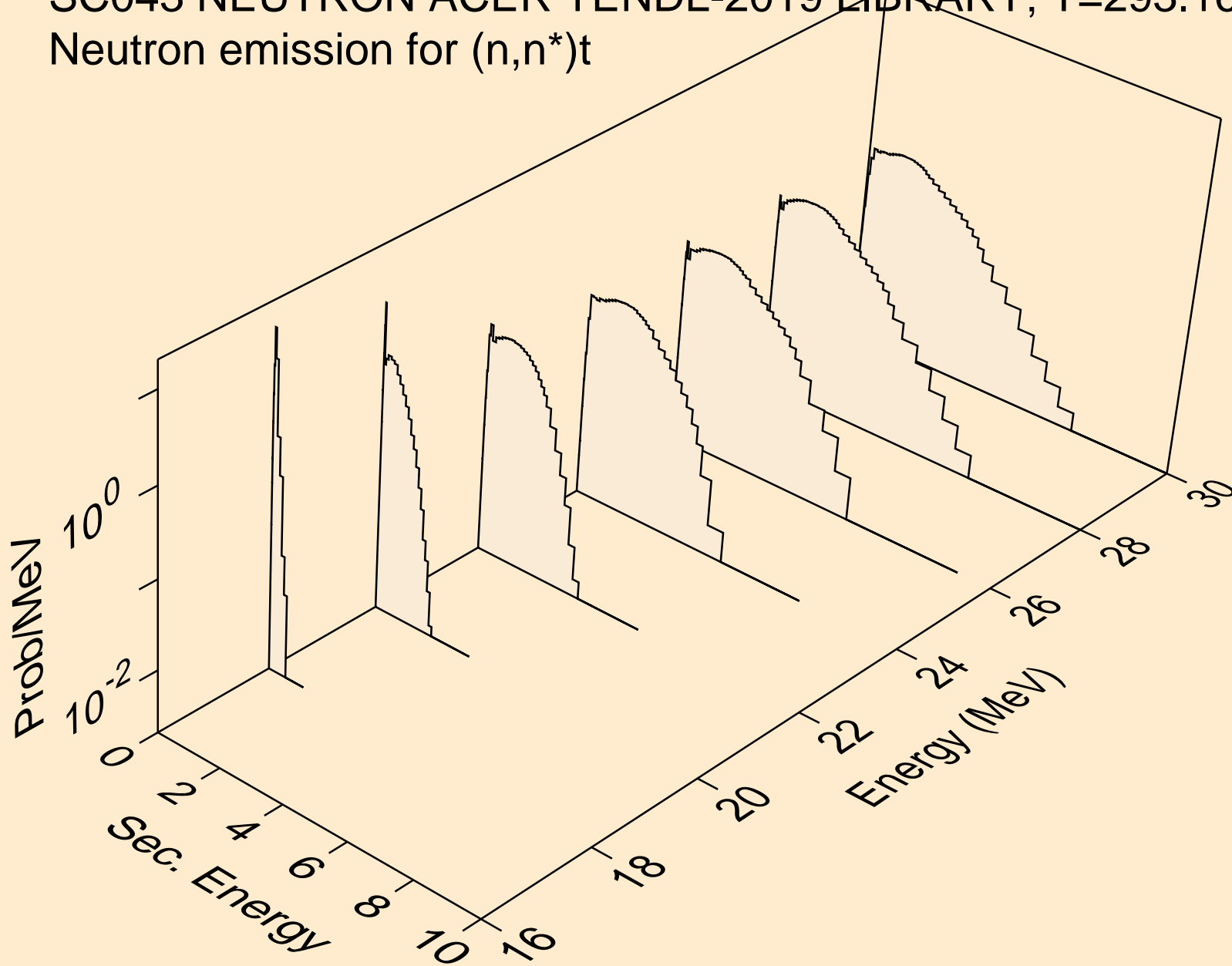
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a



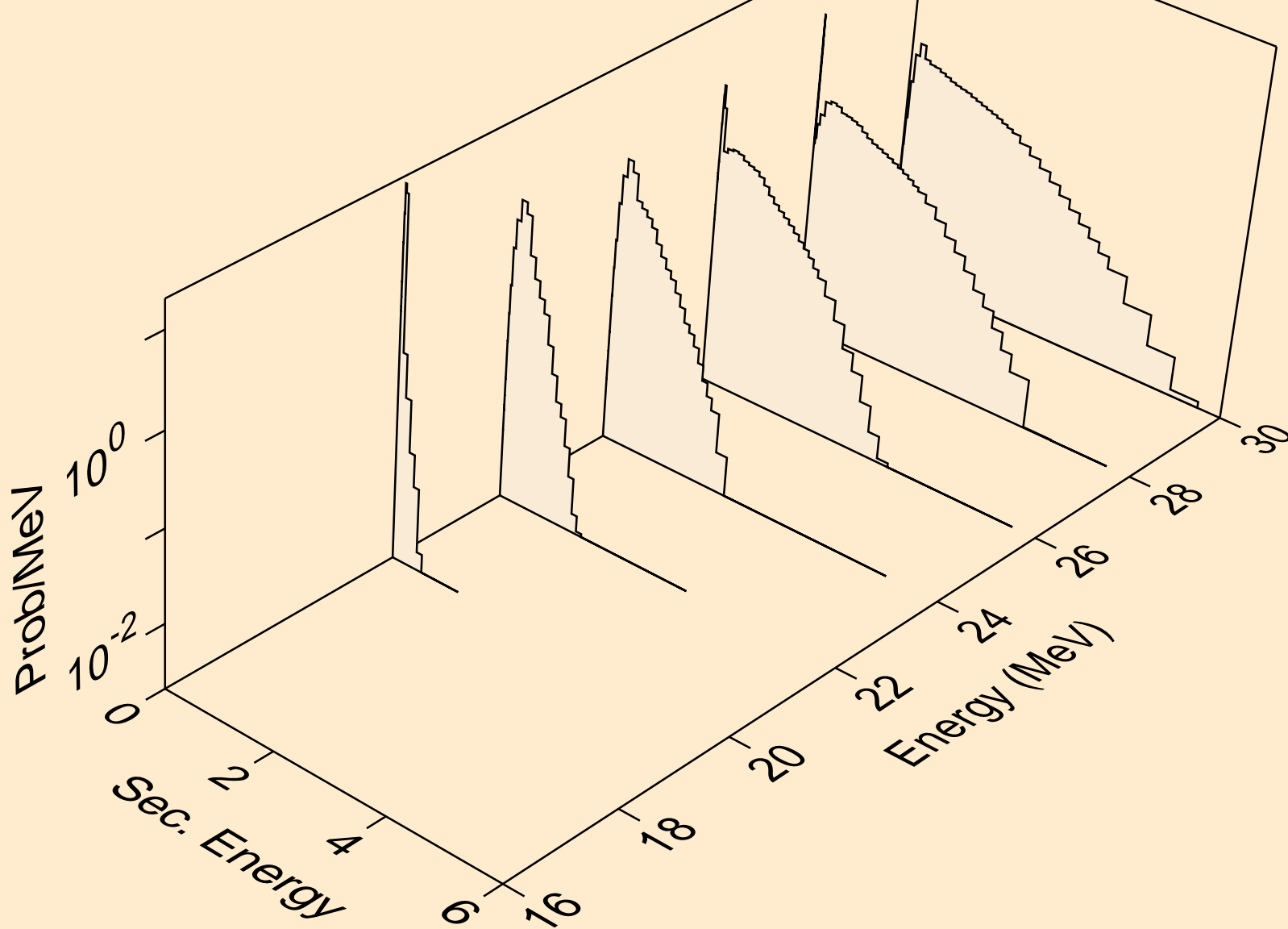
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t

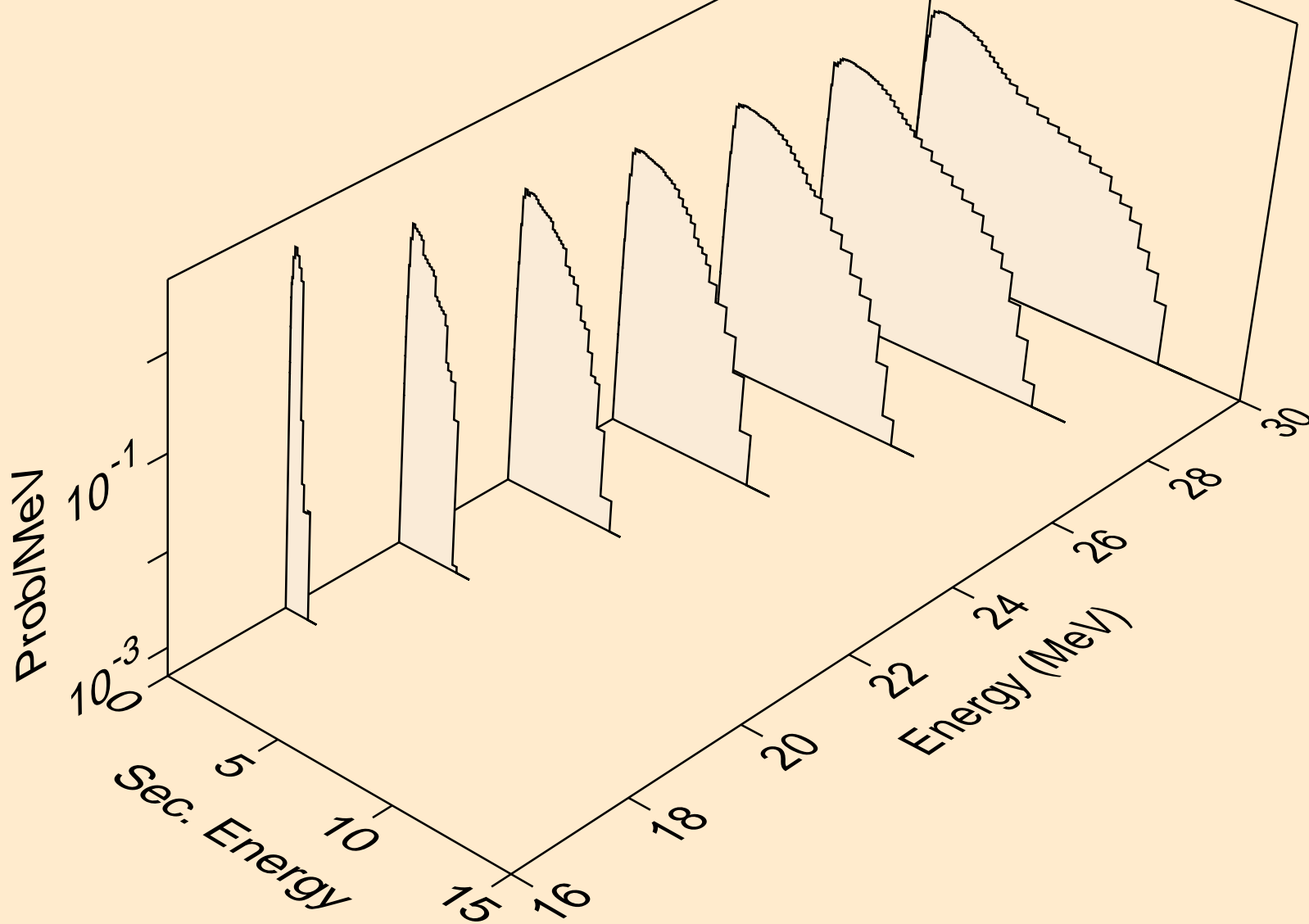


SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3

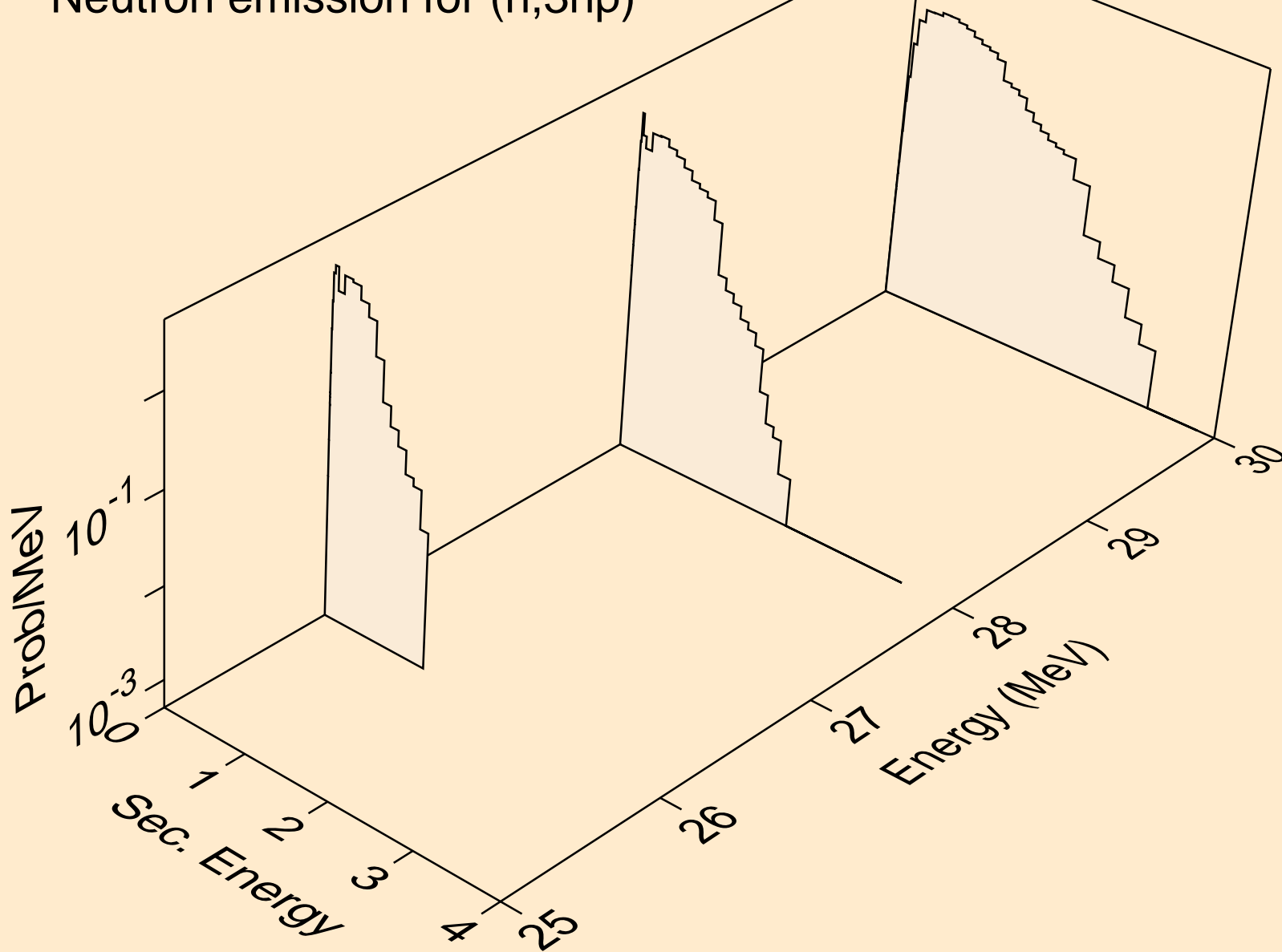




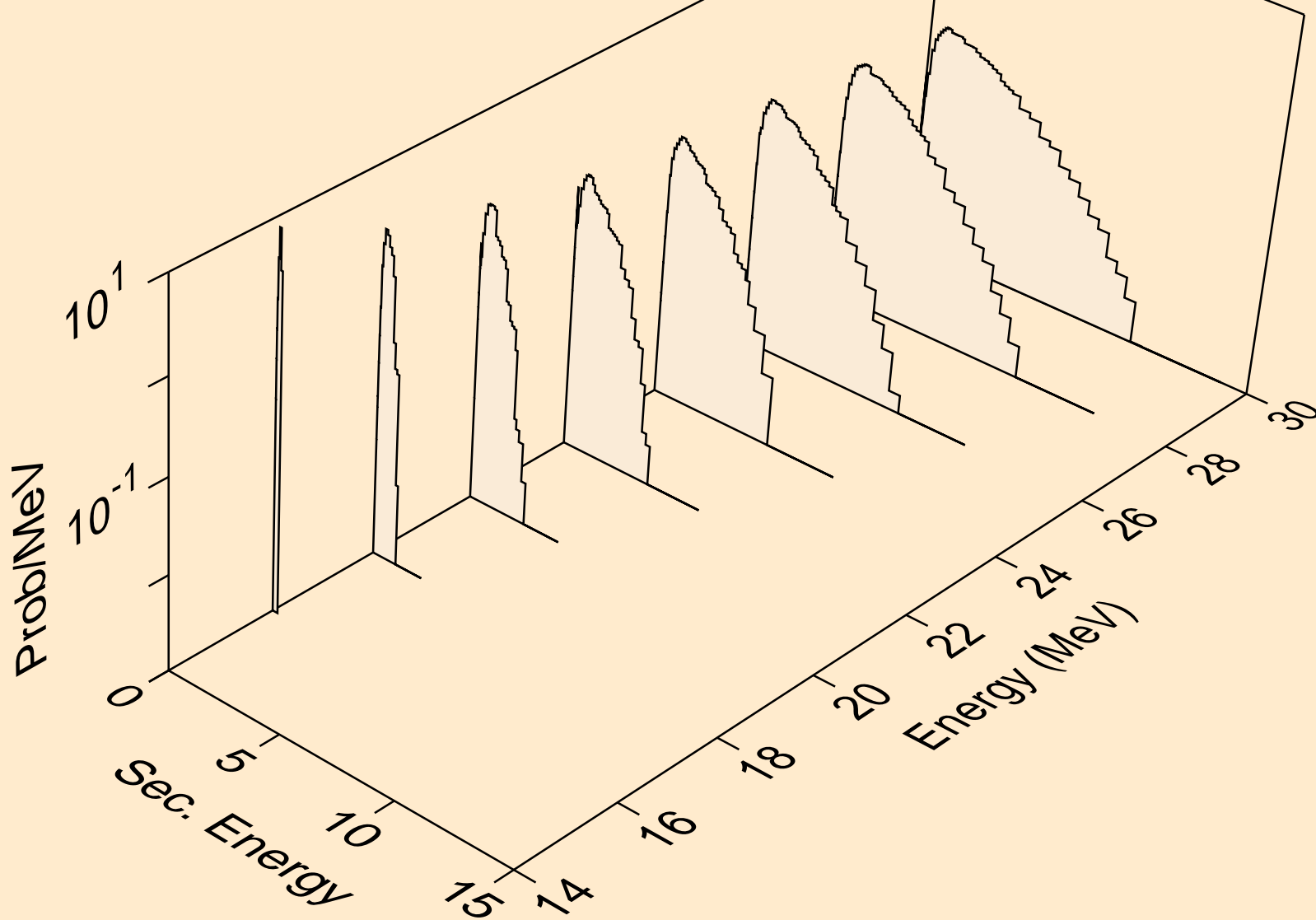
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



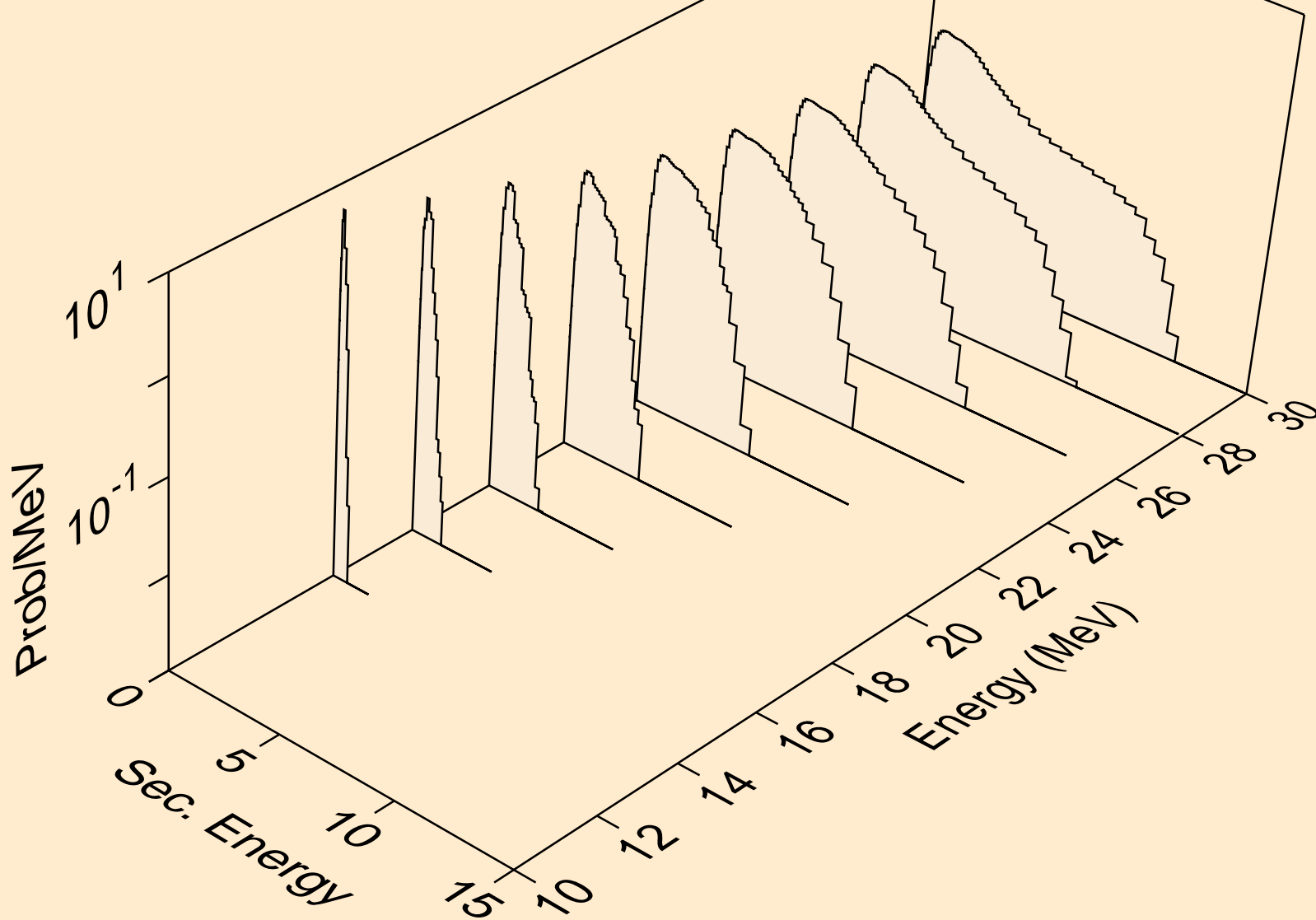
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)



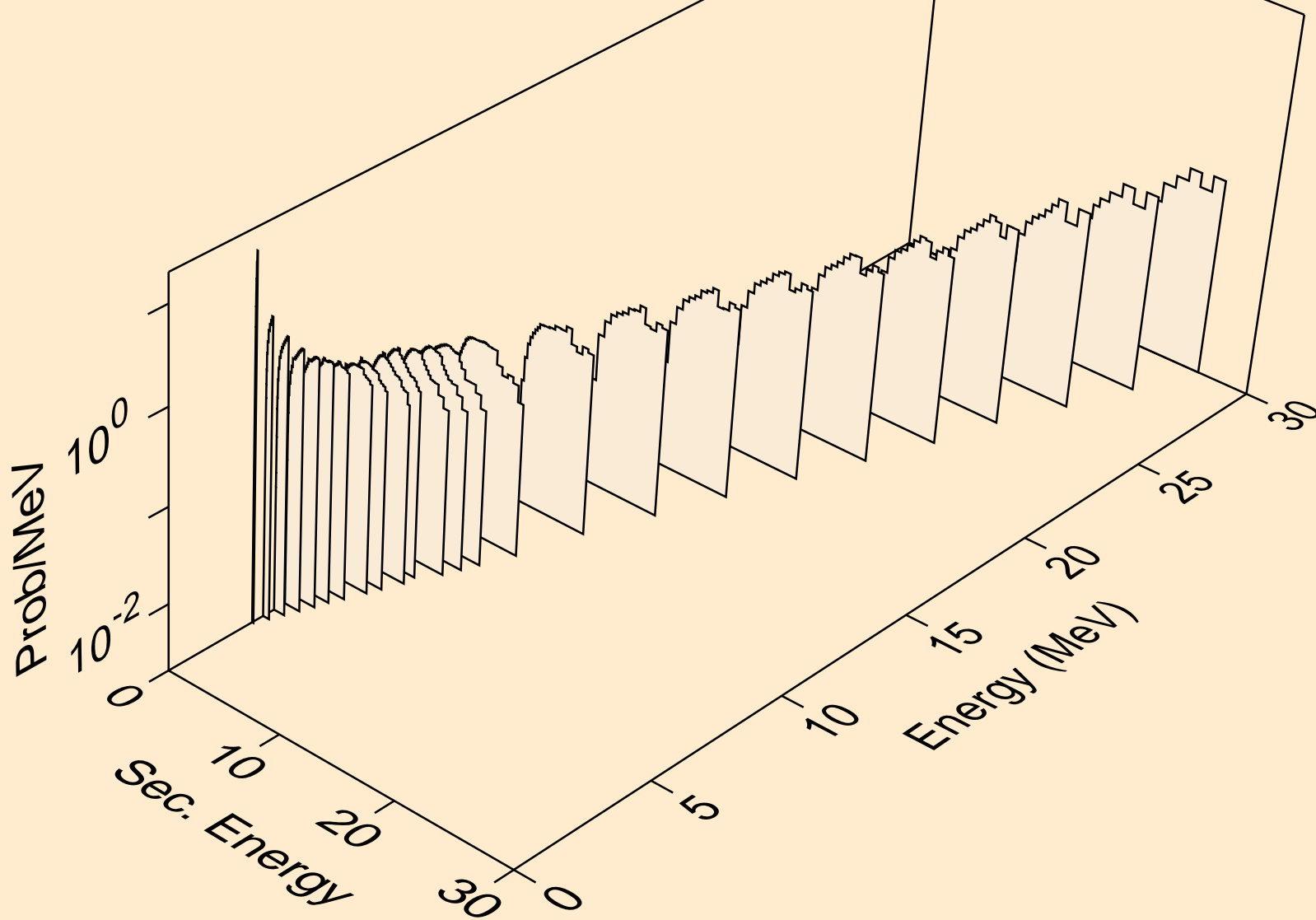
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



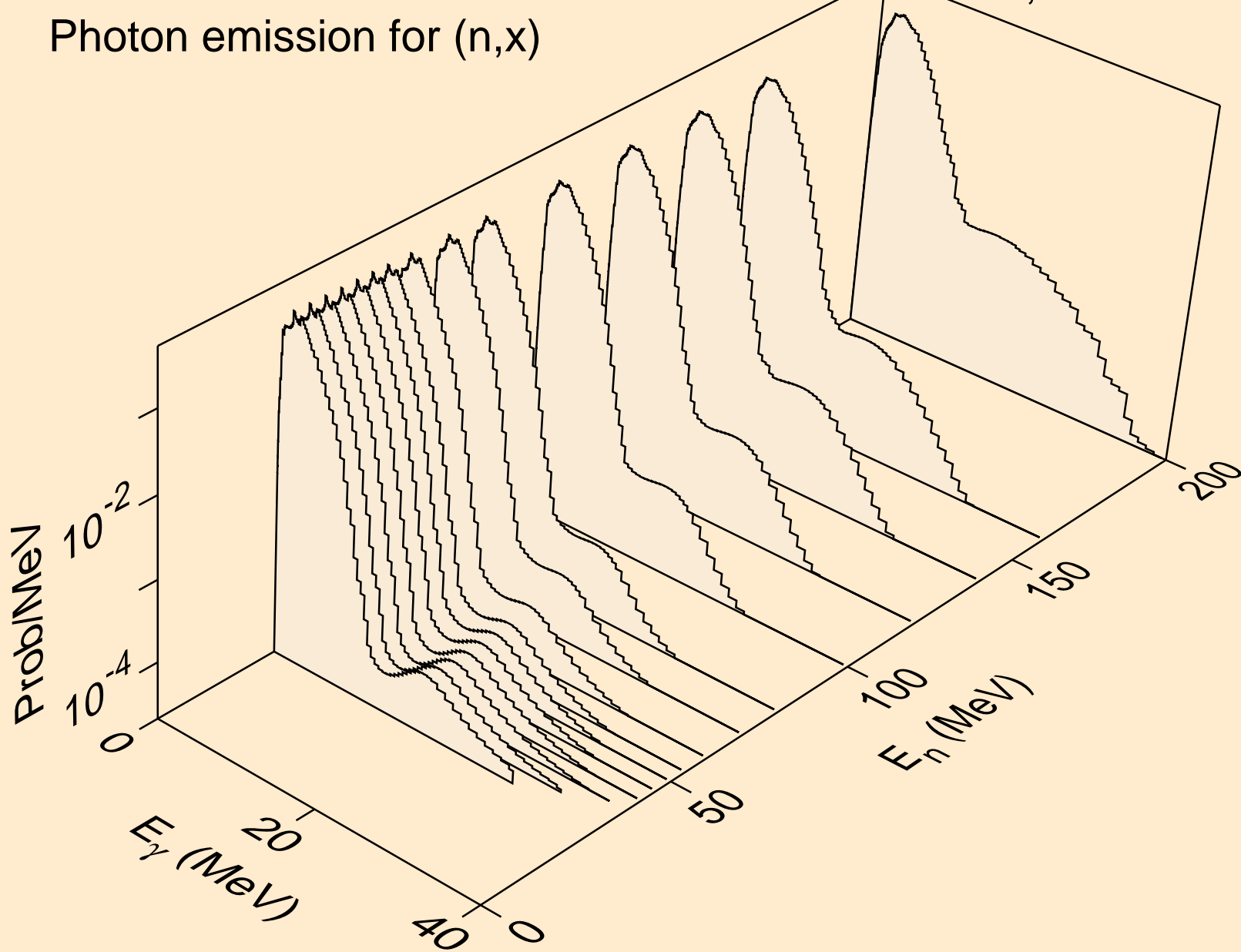
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)



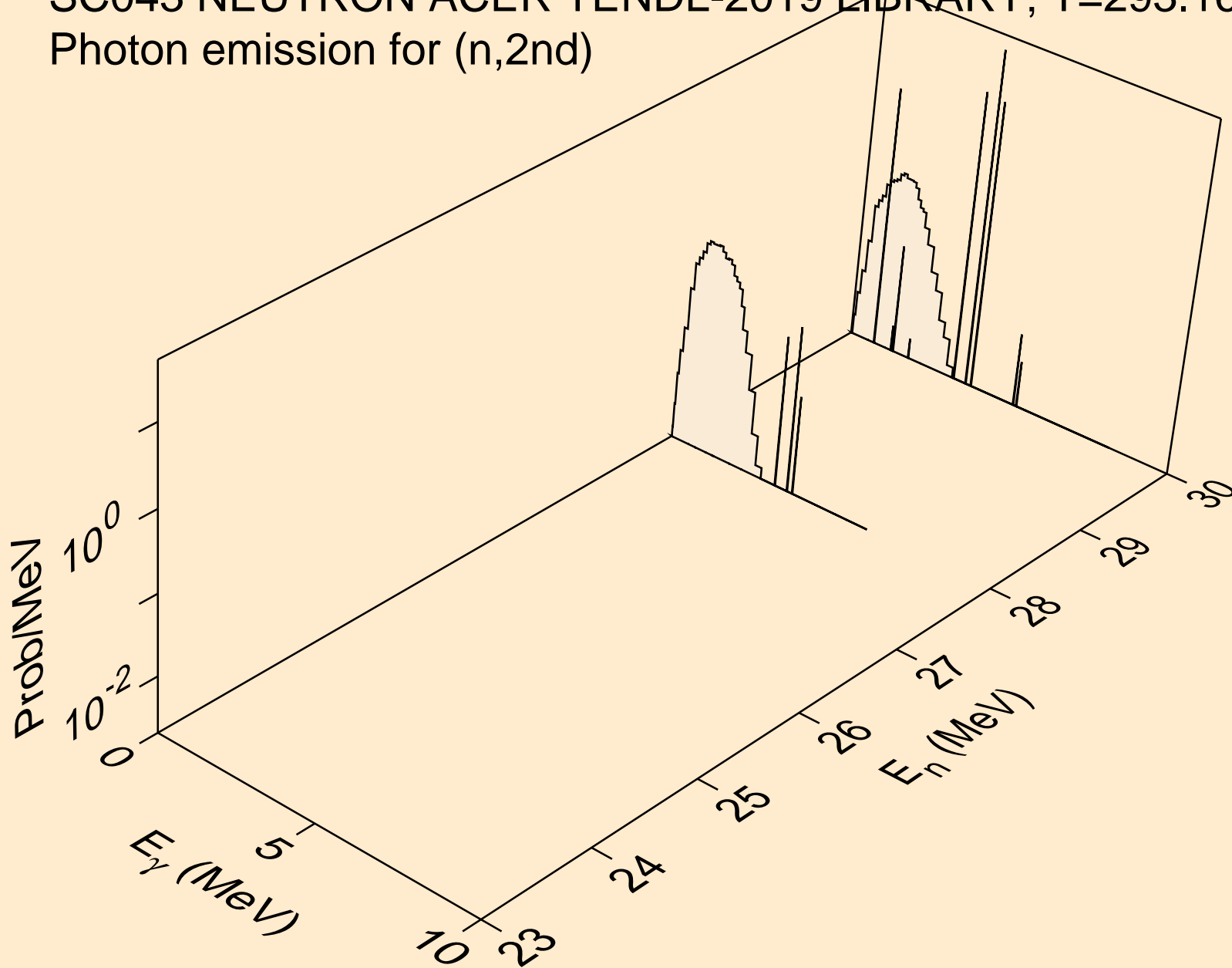
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



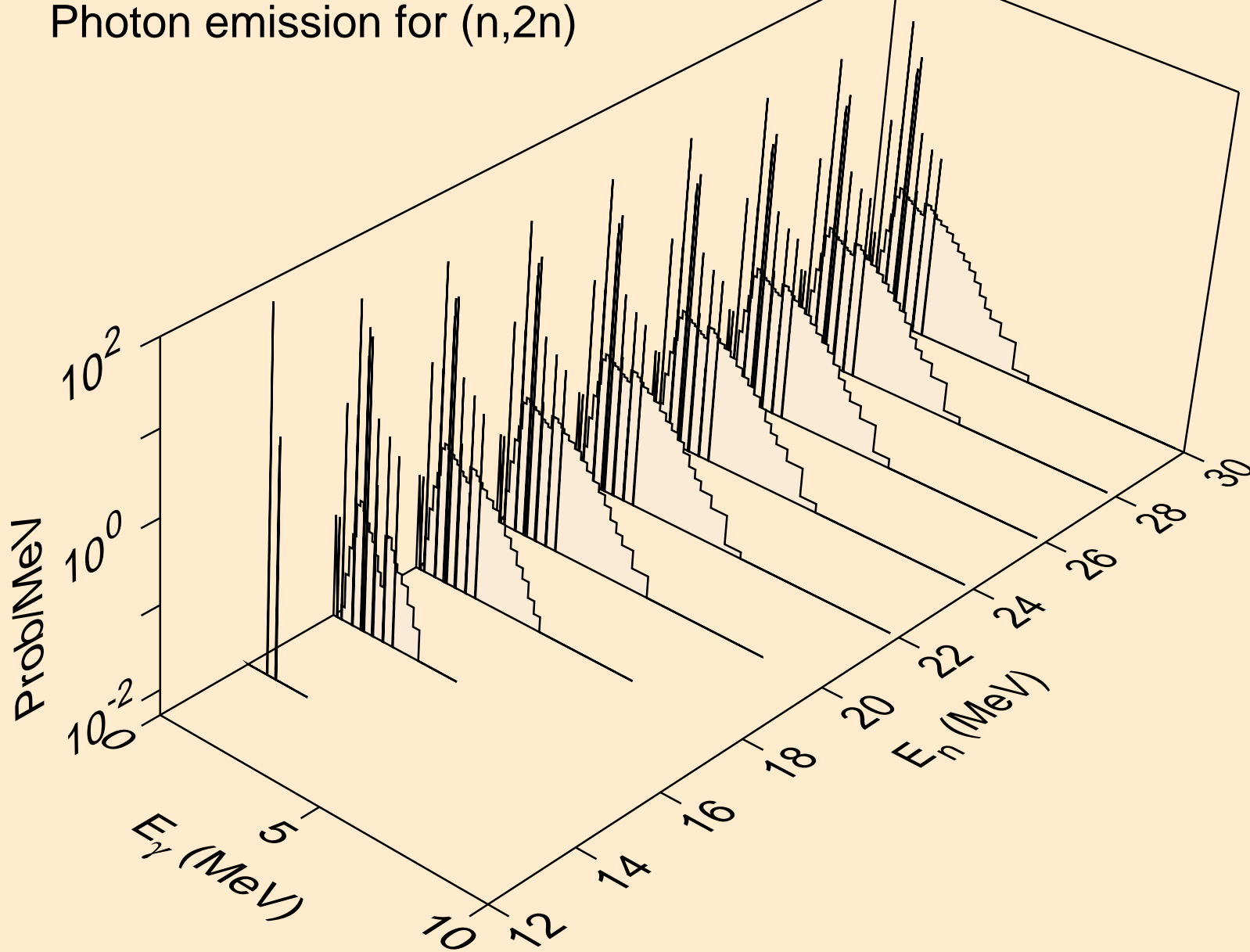
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)

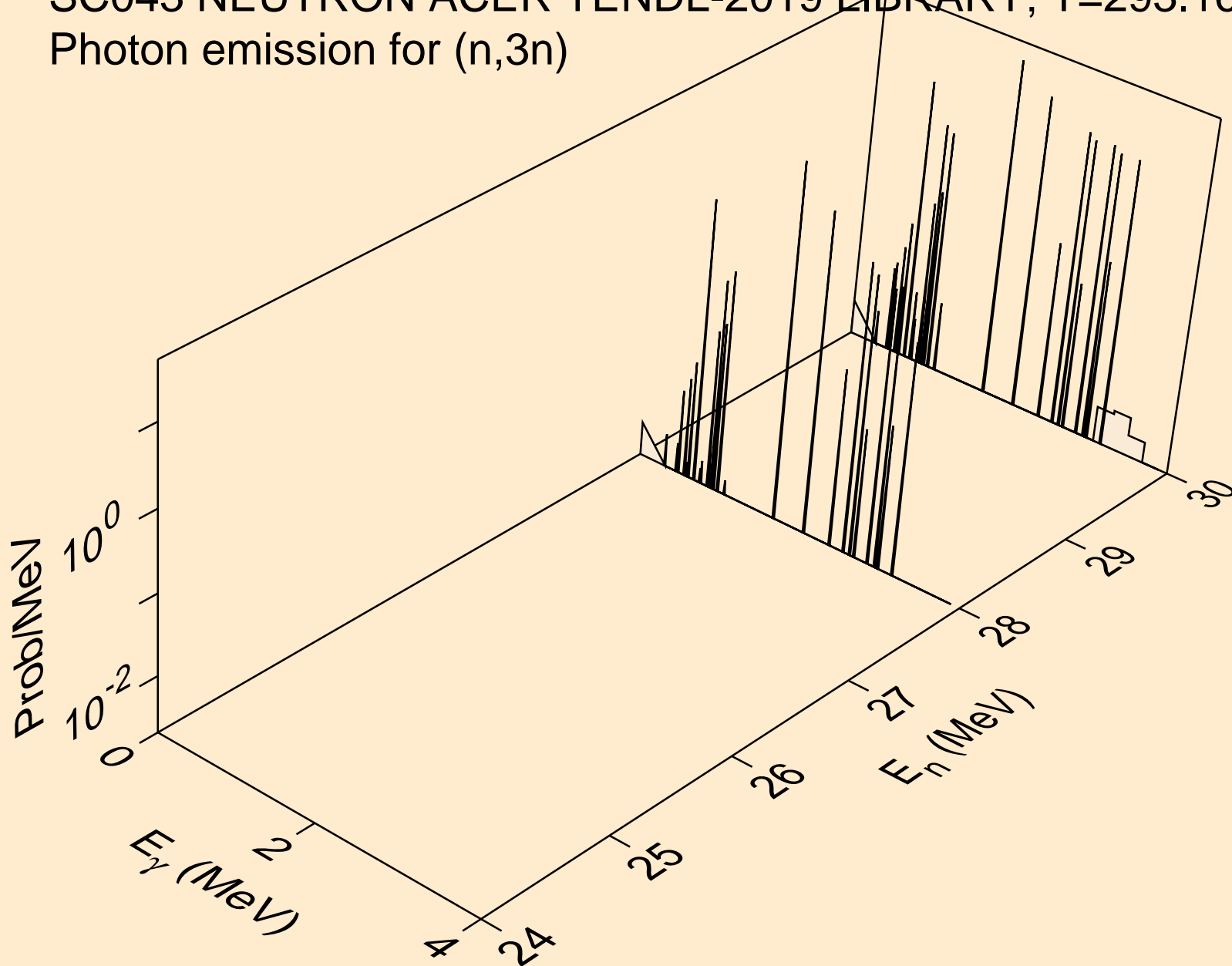


SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)

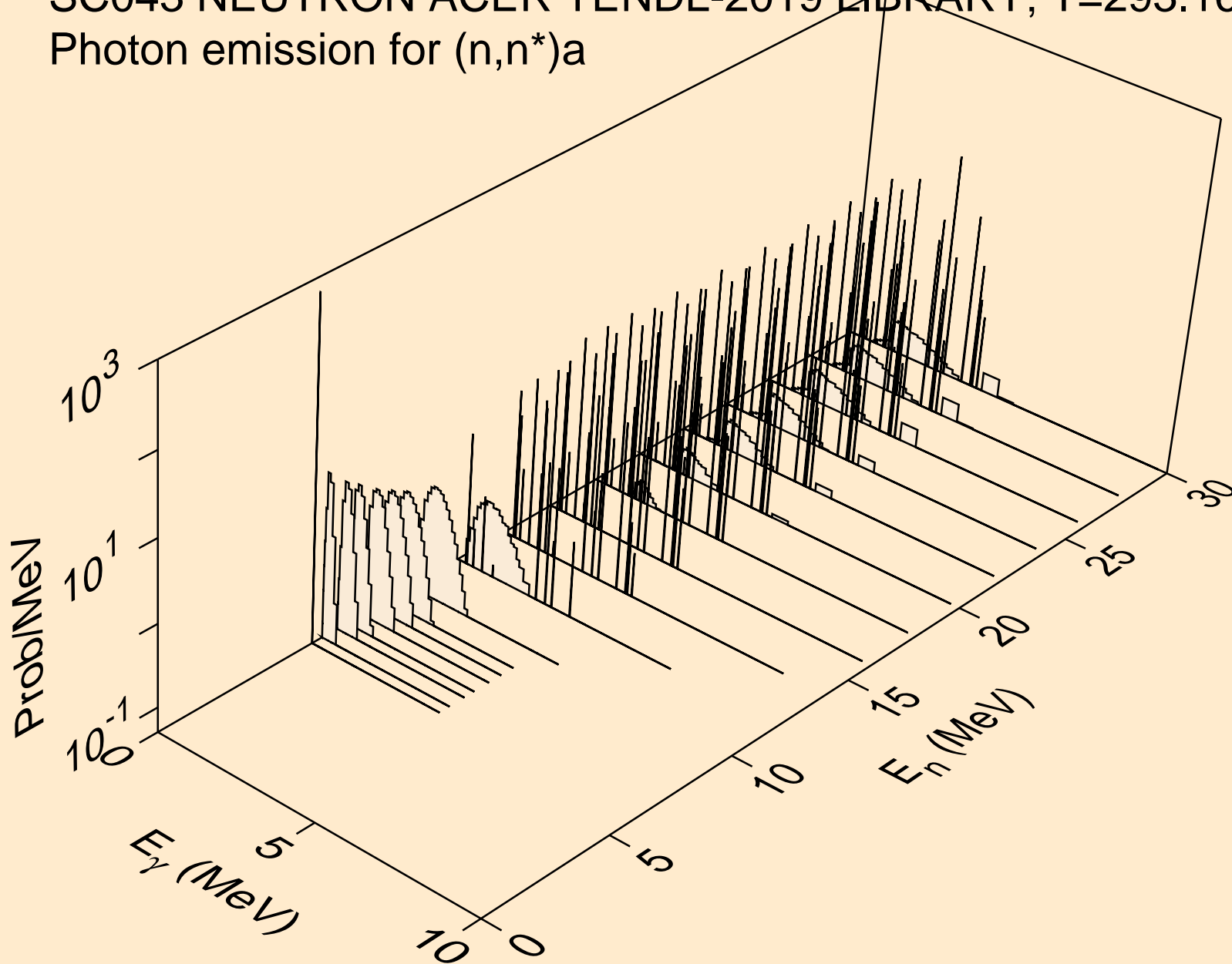




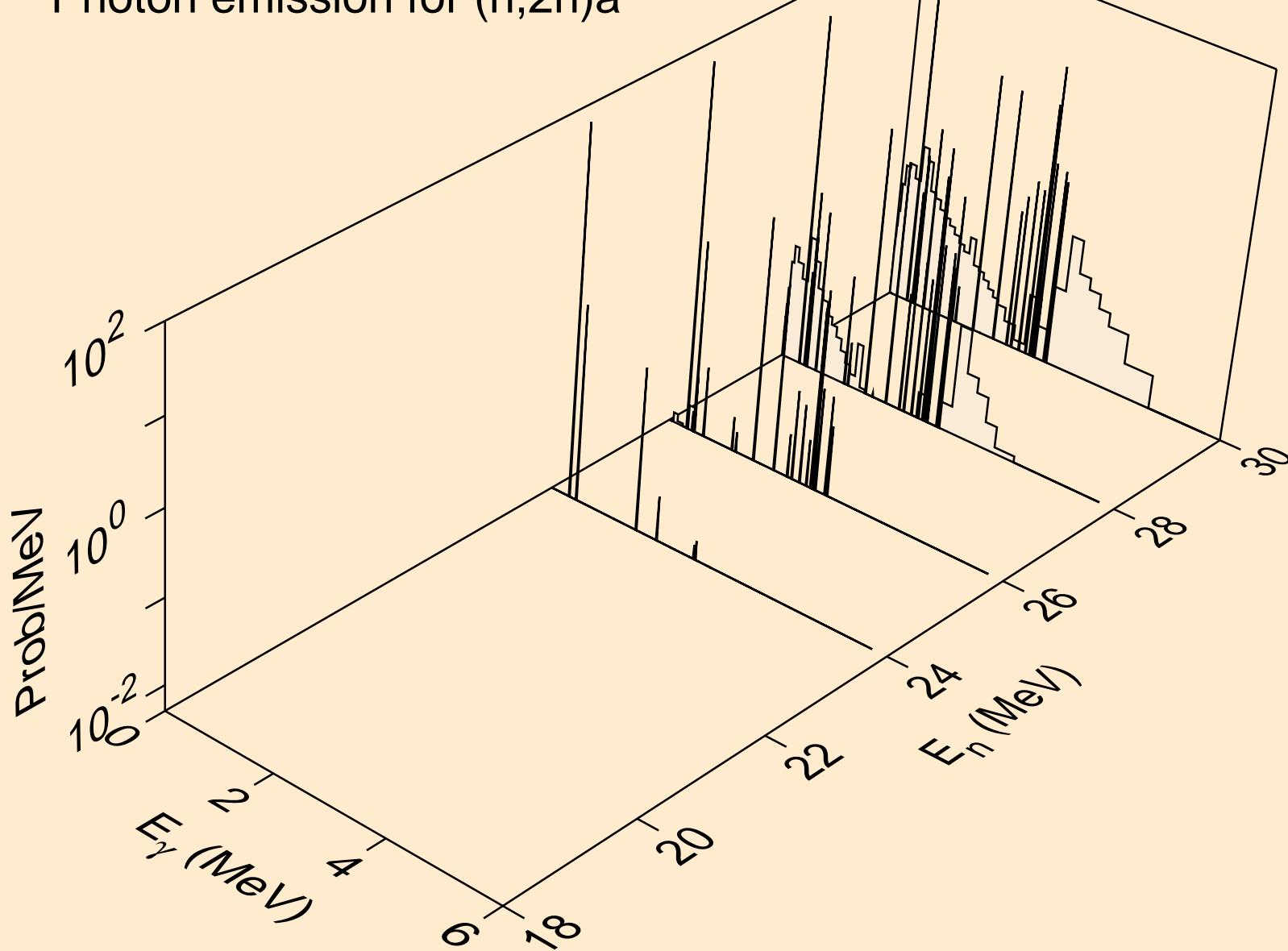
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)



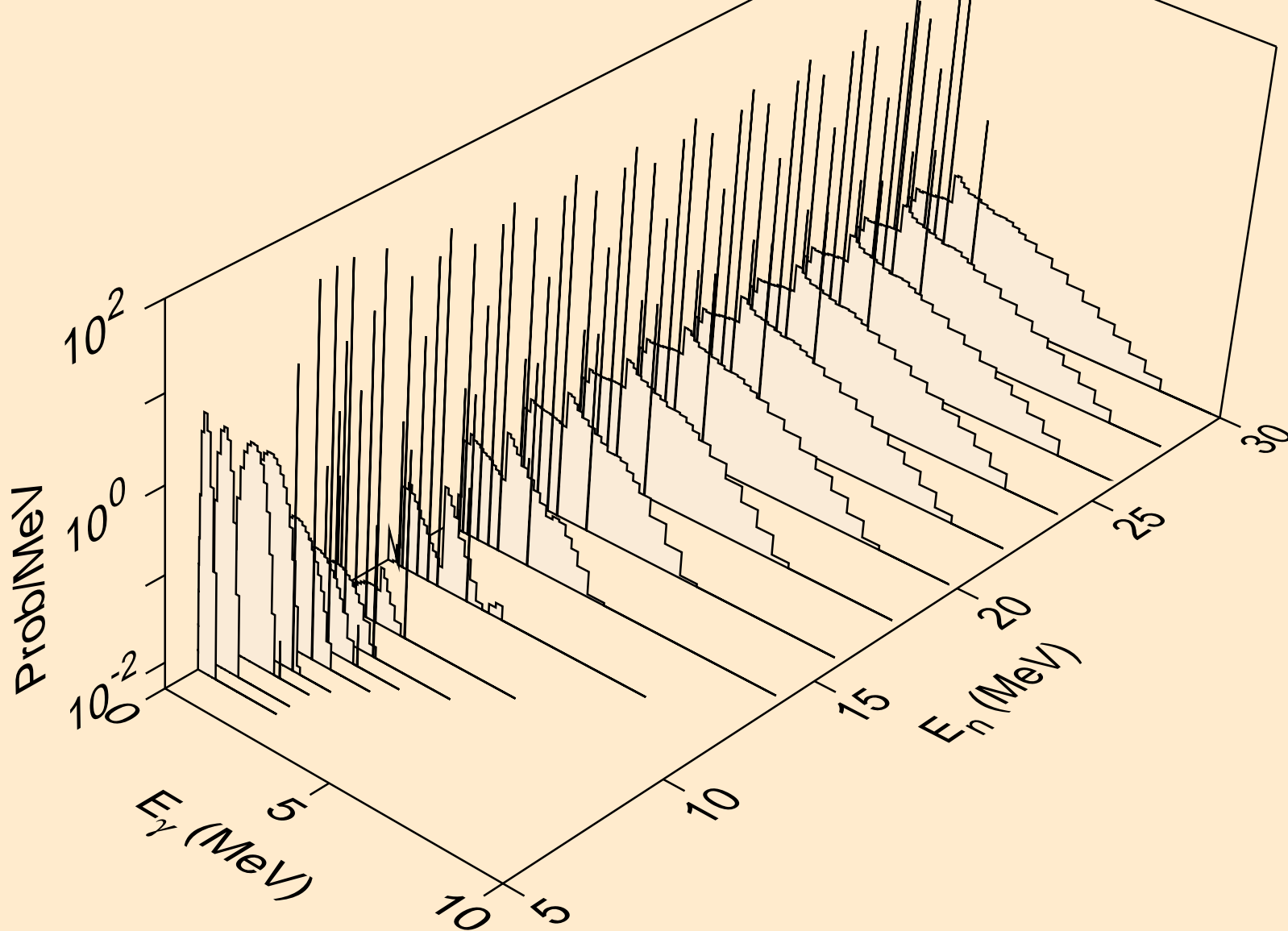
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a



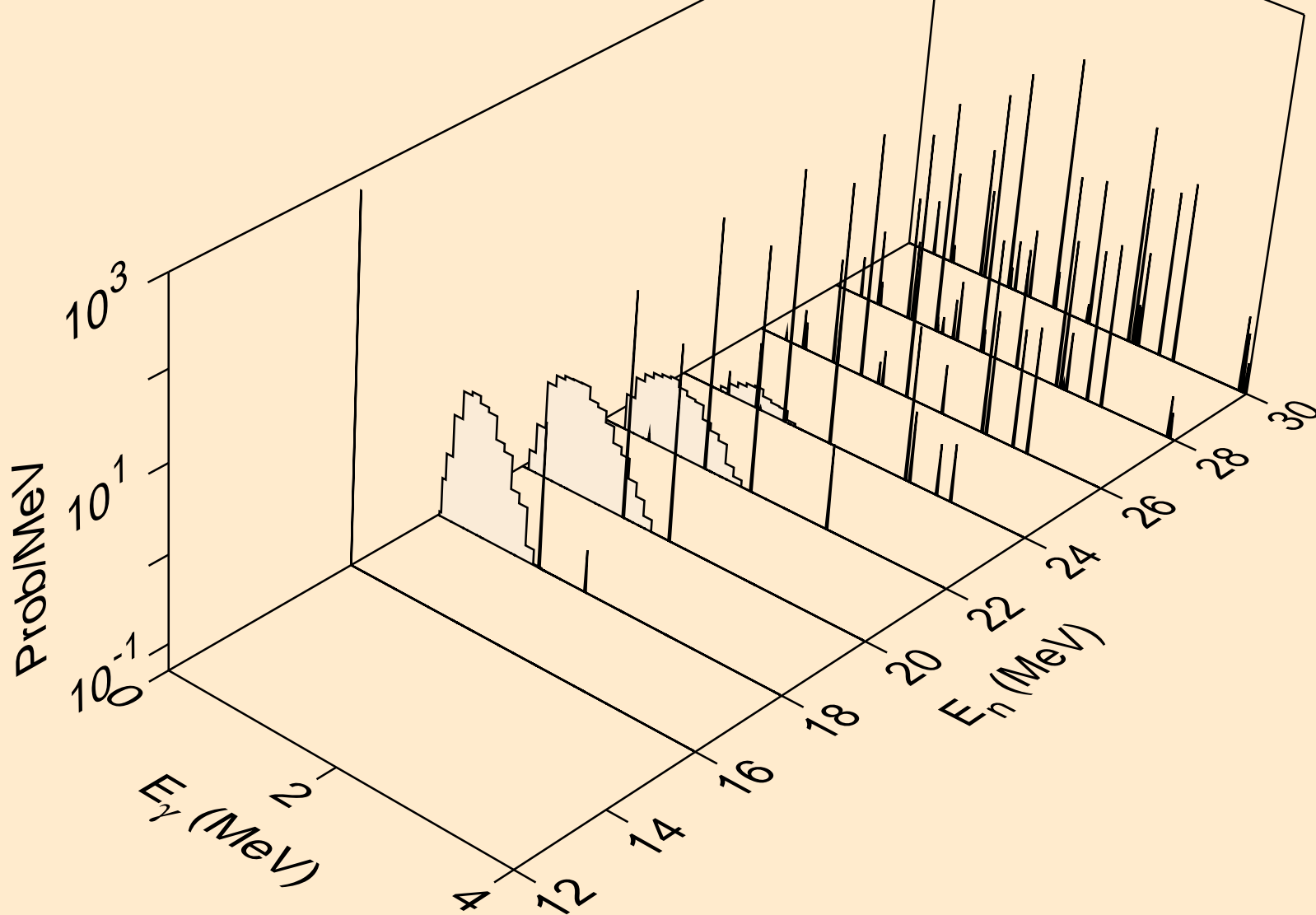
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Photon emission for (n,2n)a



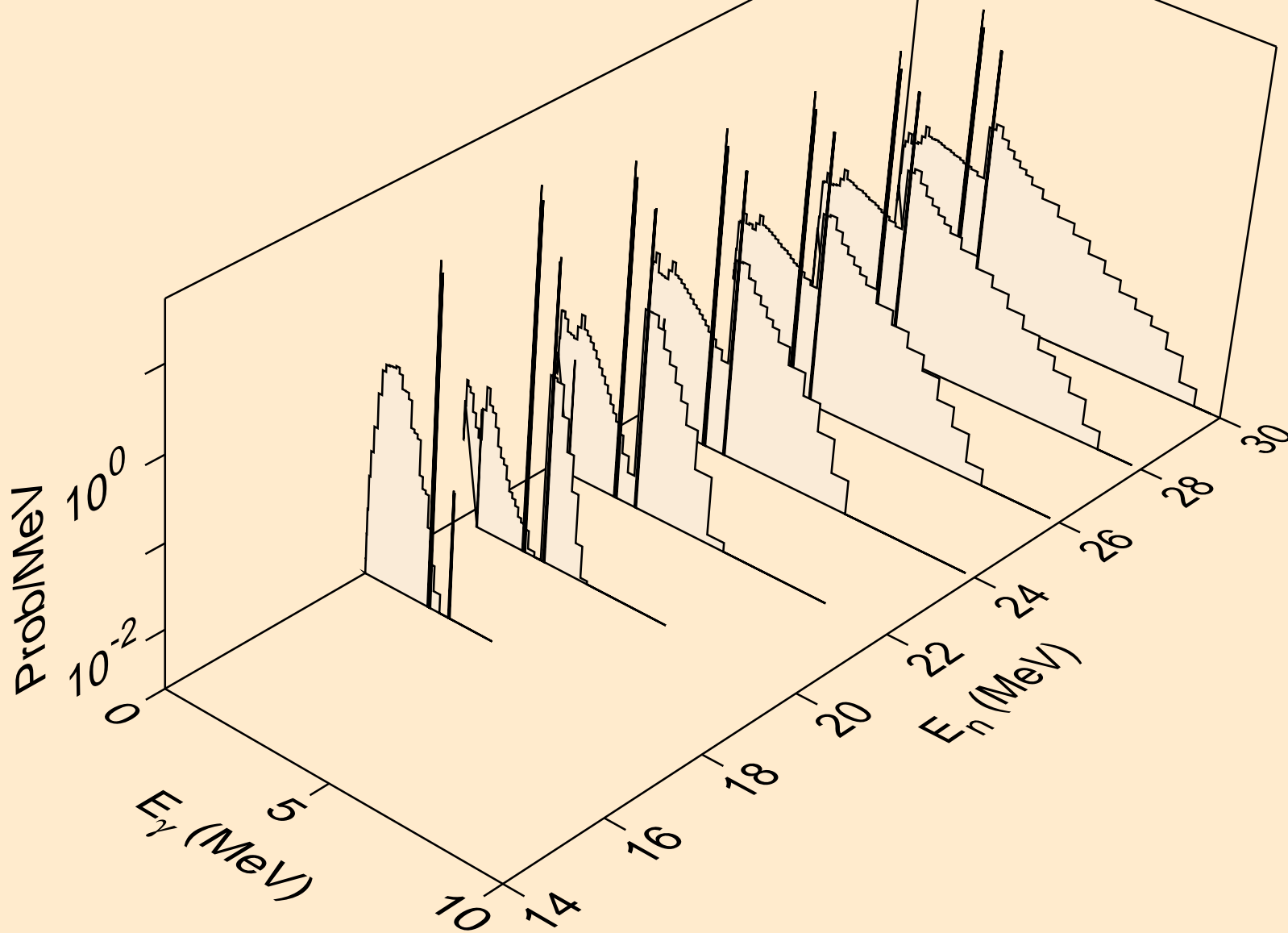
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Photon emission for (n,n\*)p



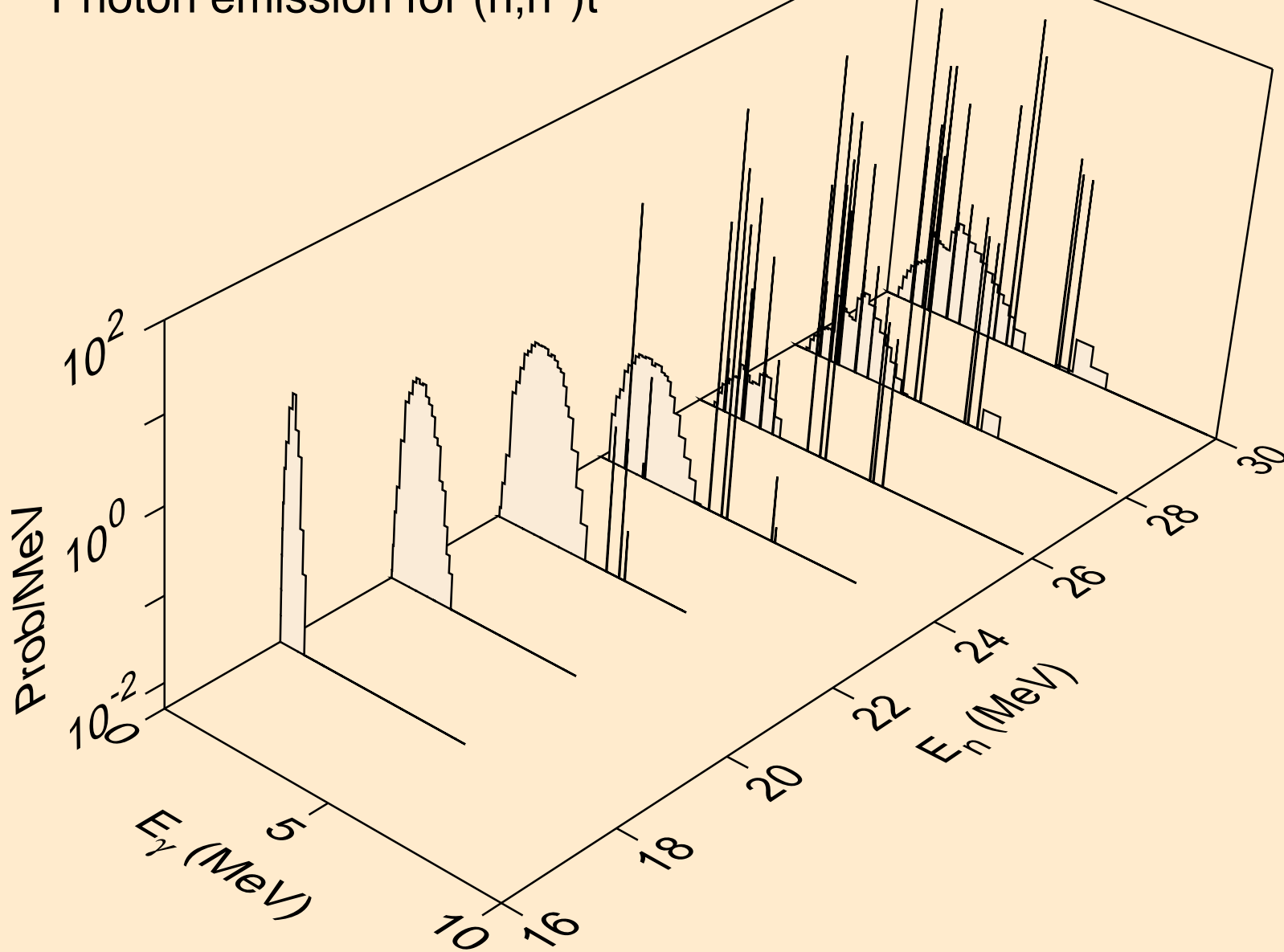
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)2a



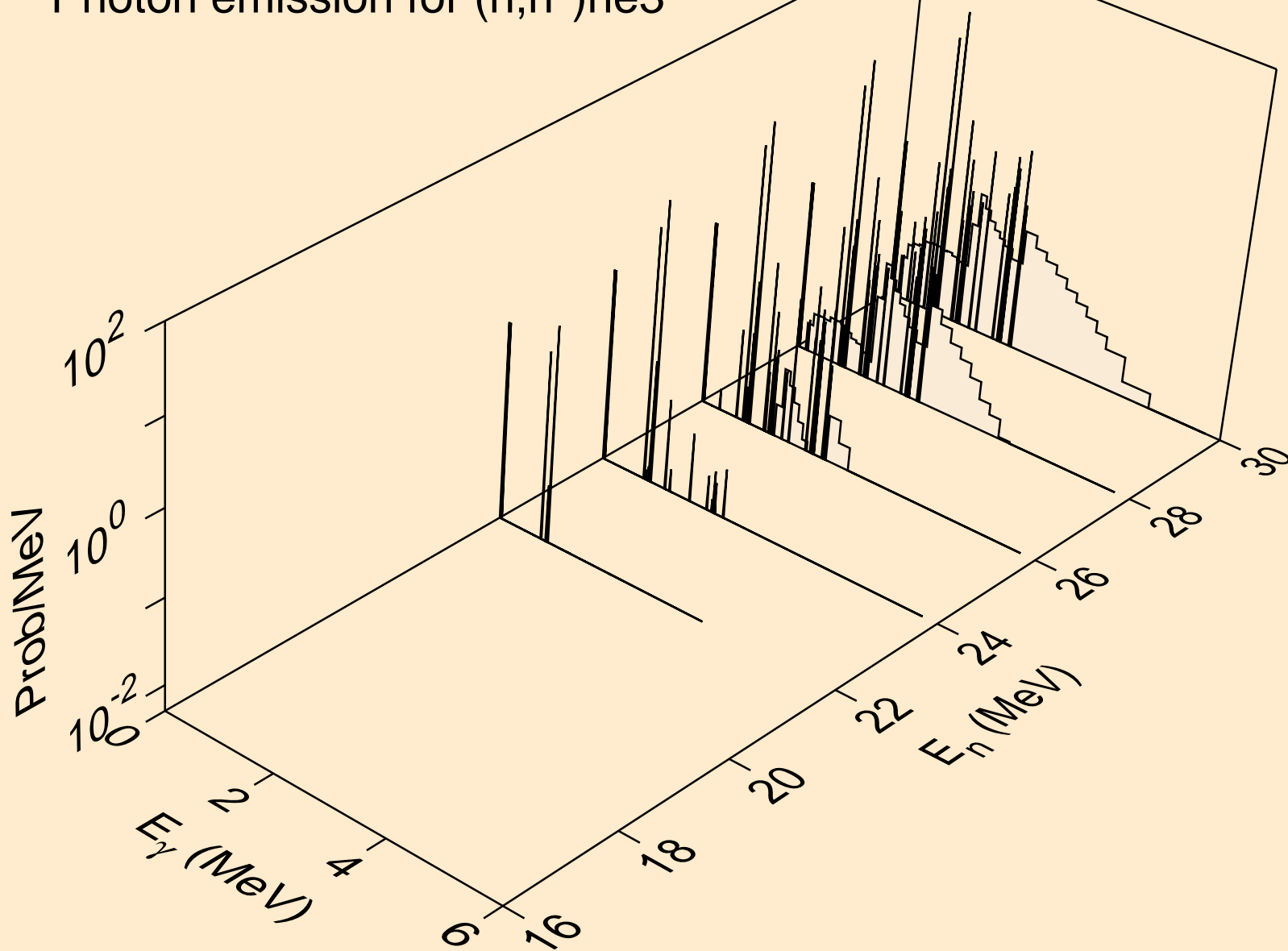
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d



SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t

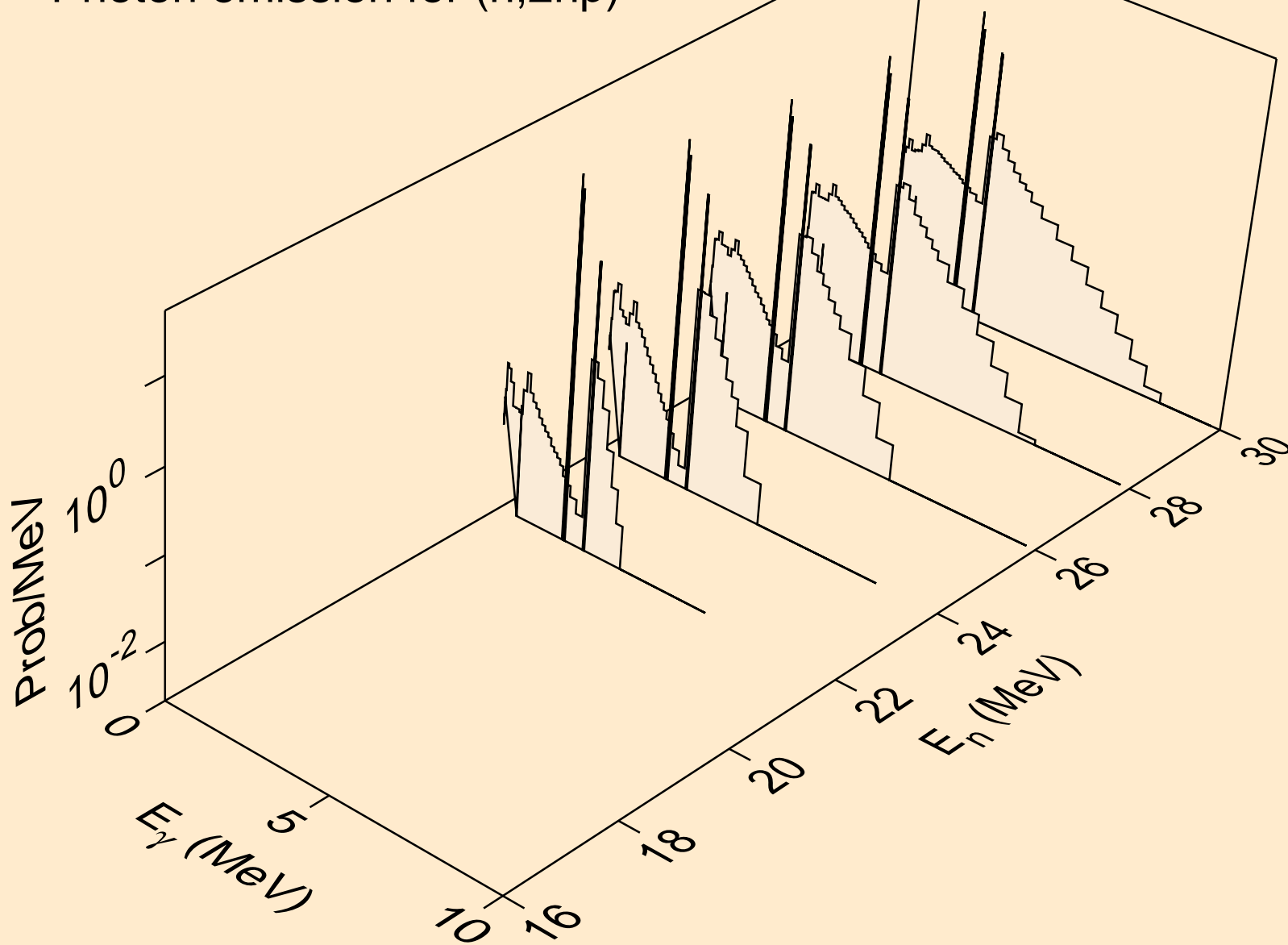


SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3

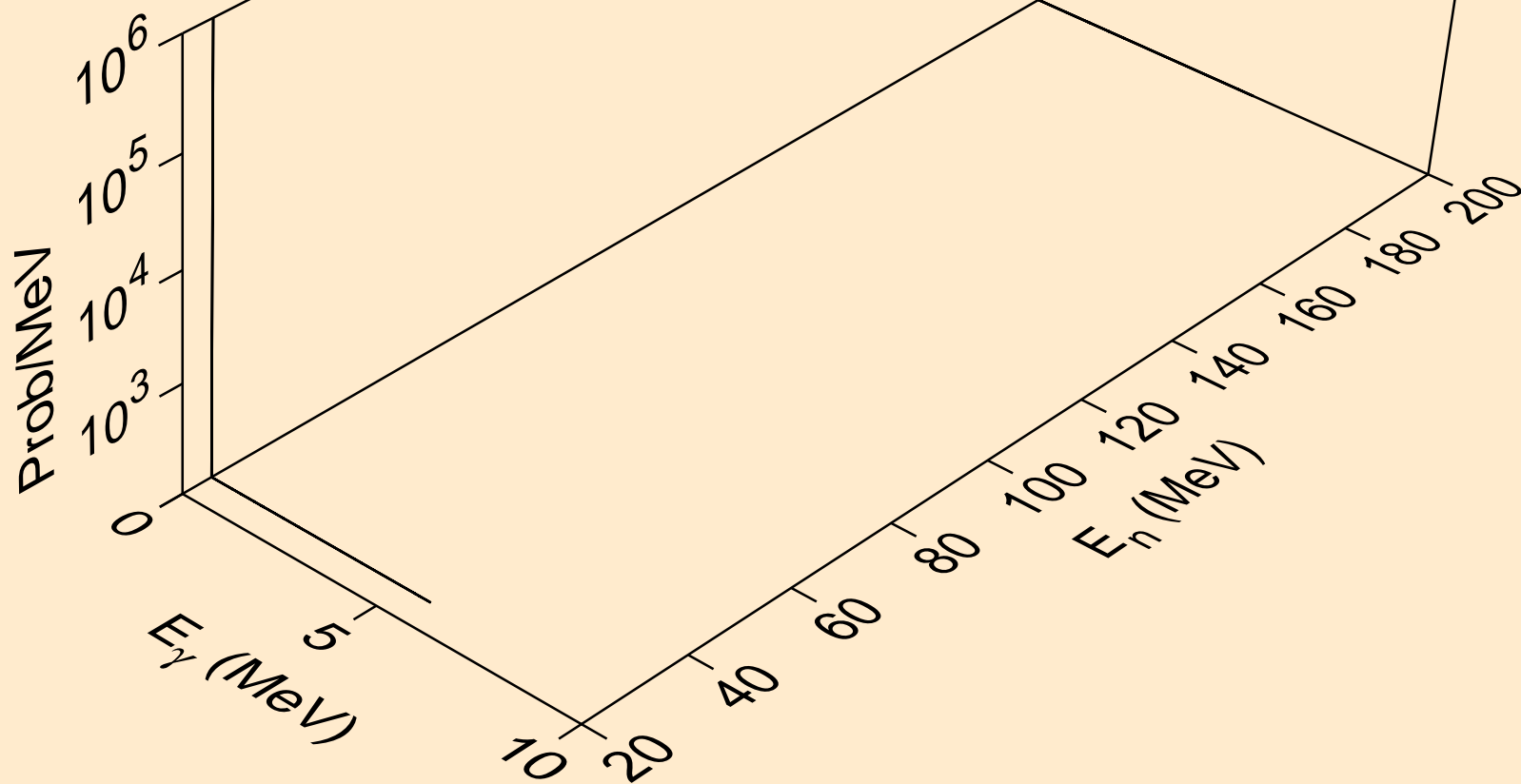




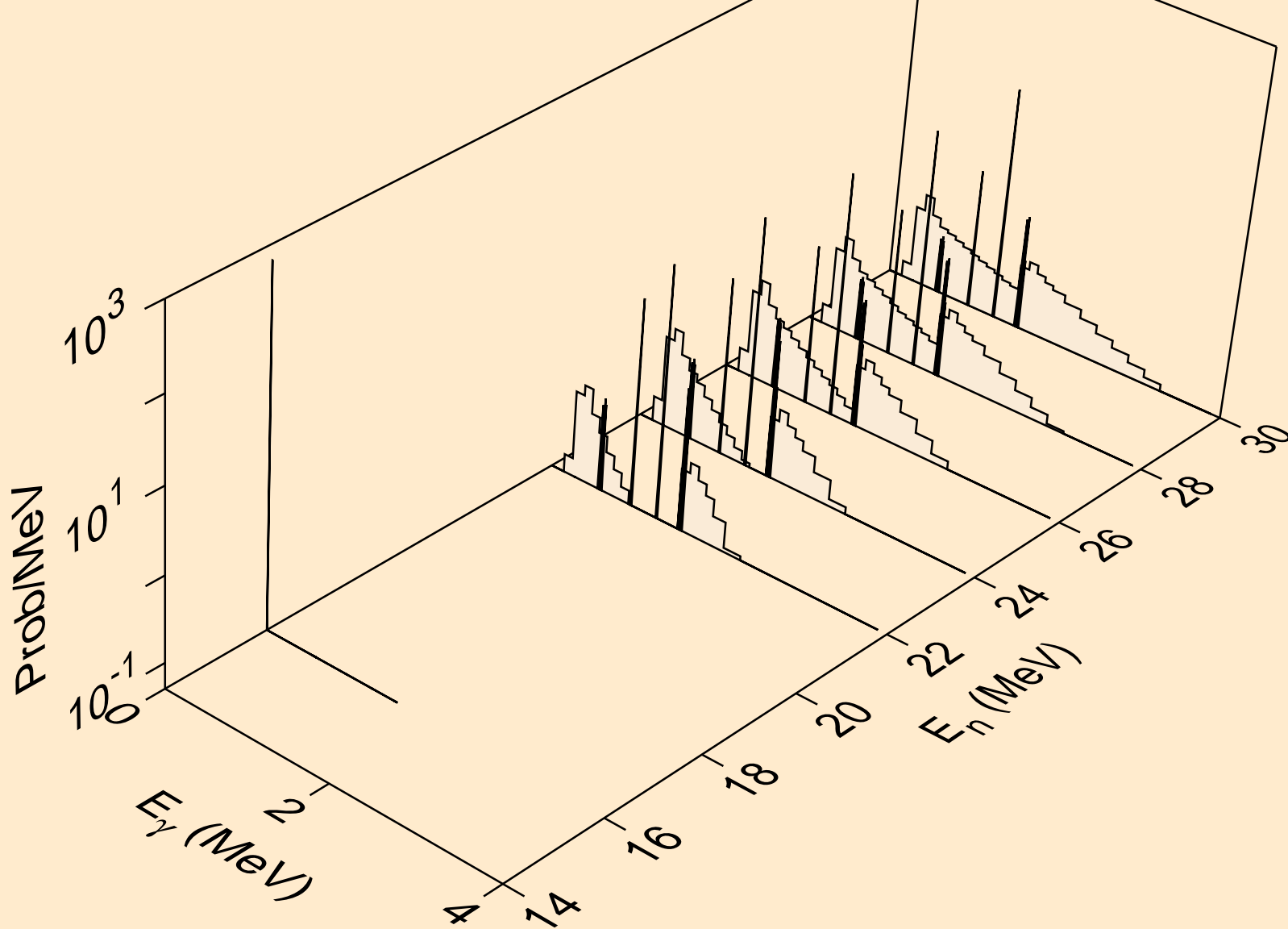
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



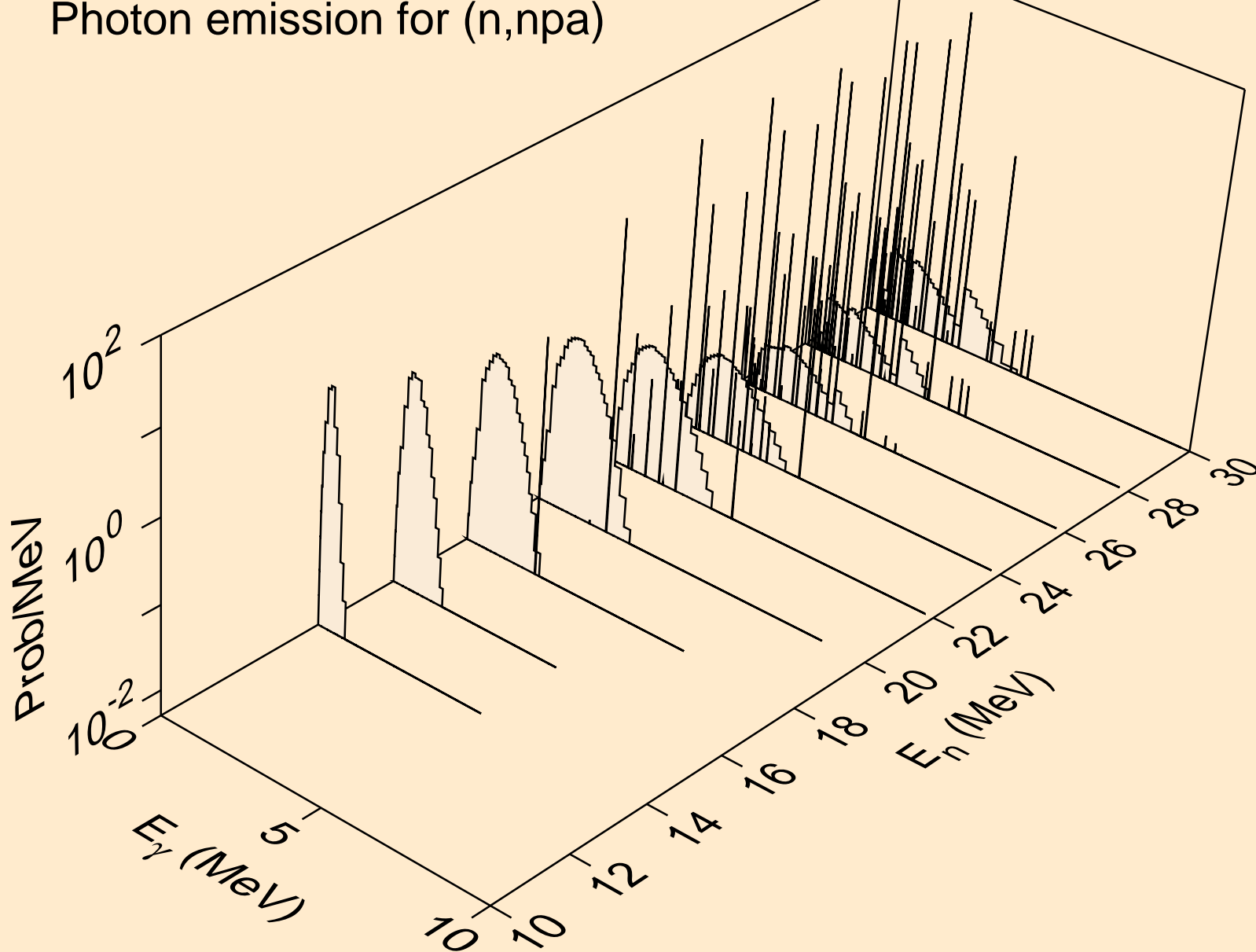
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Photon emission for (n,3np)



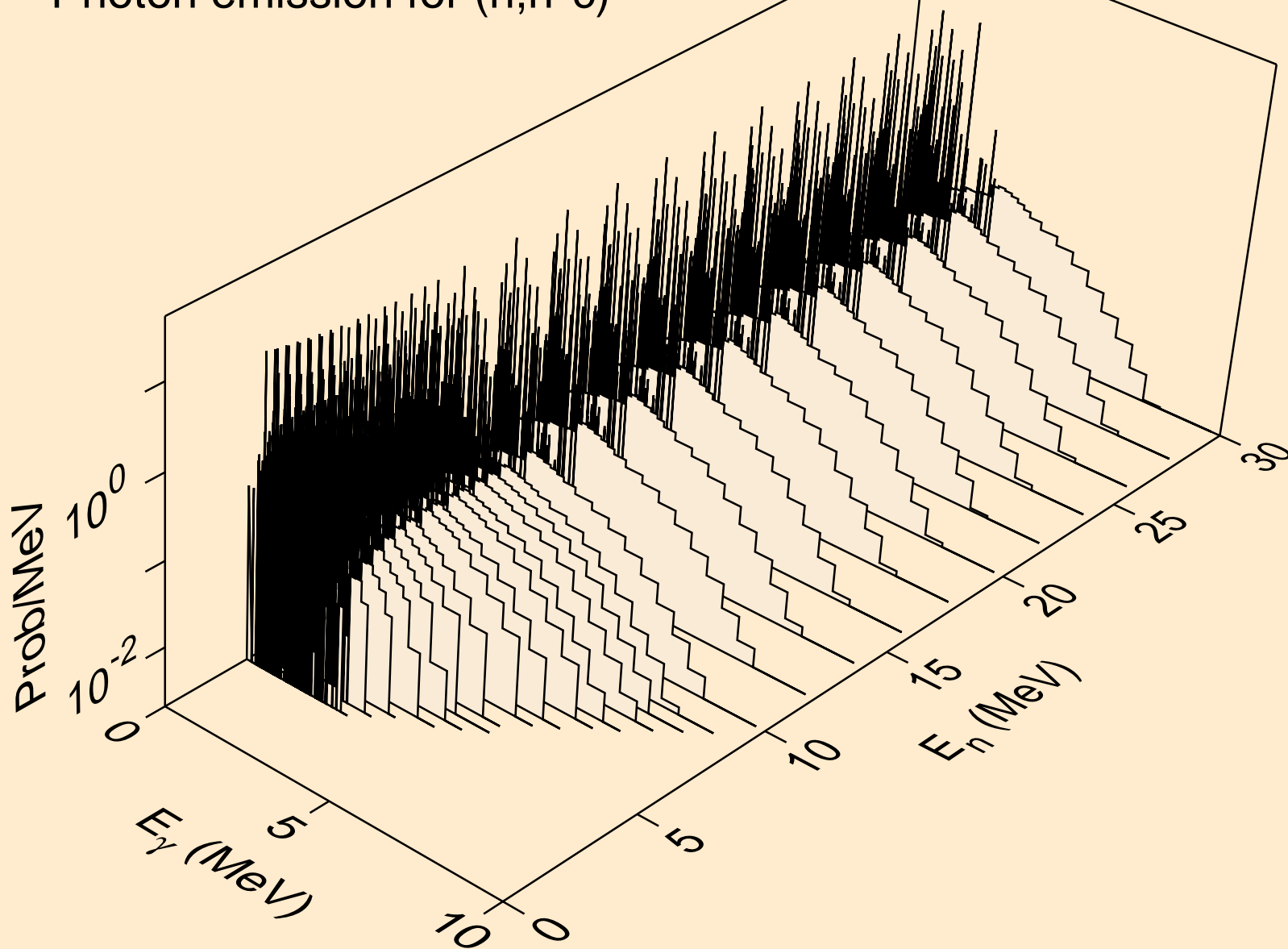
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Photon emission for (n,2np)



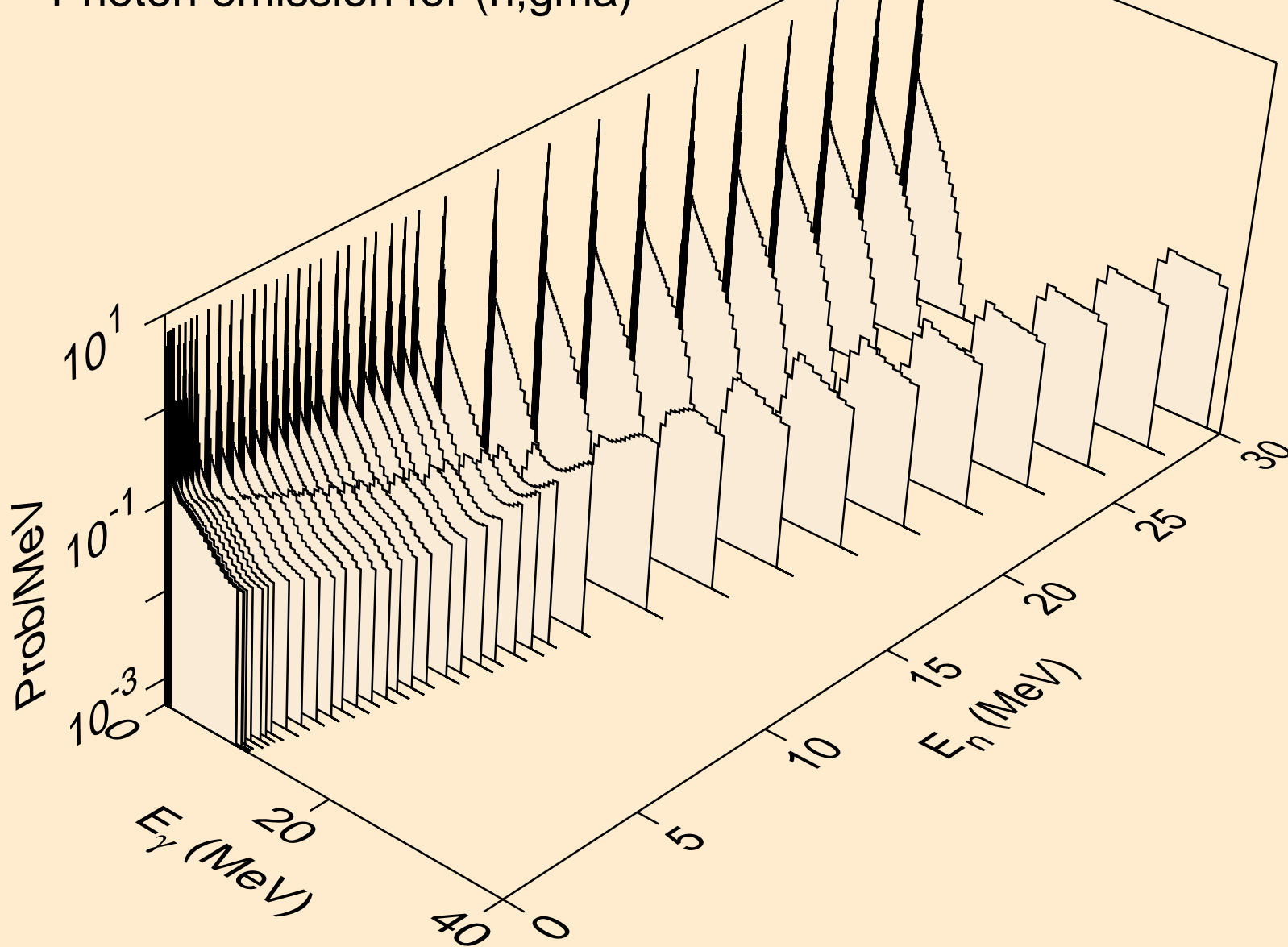
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Photon emission for (n,npa)



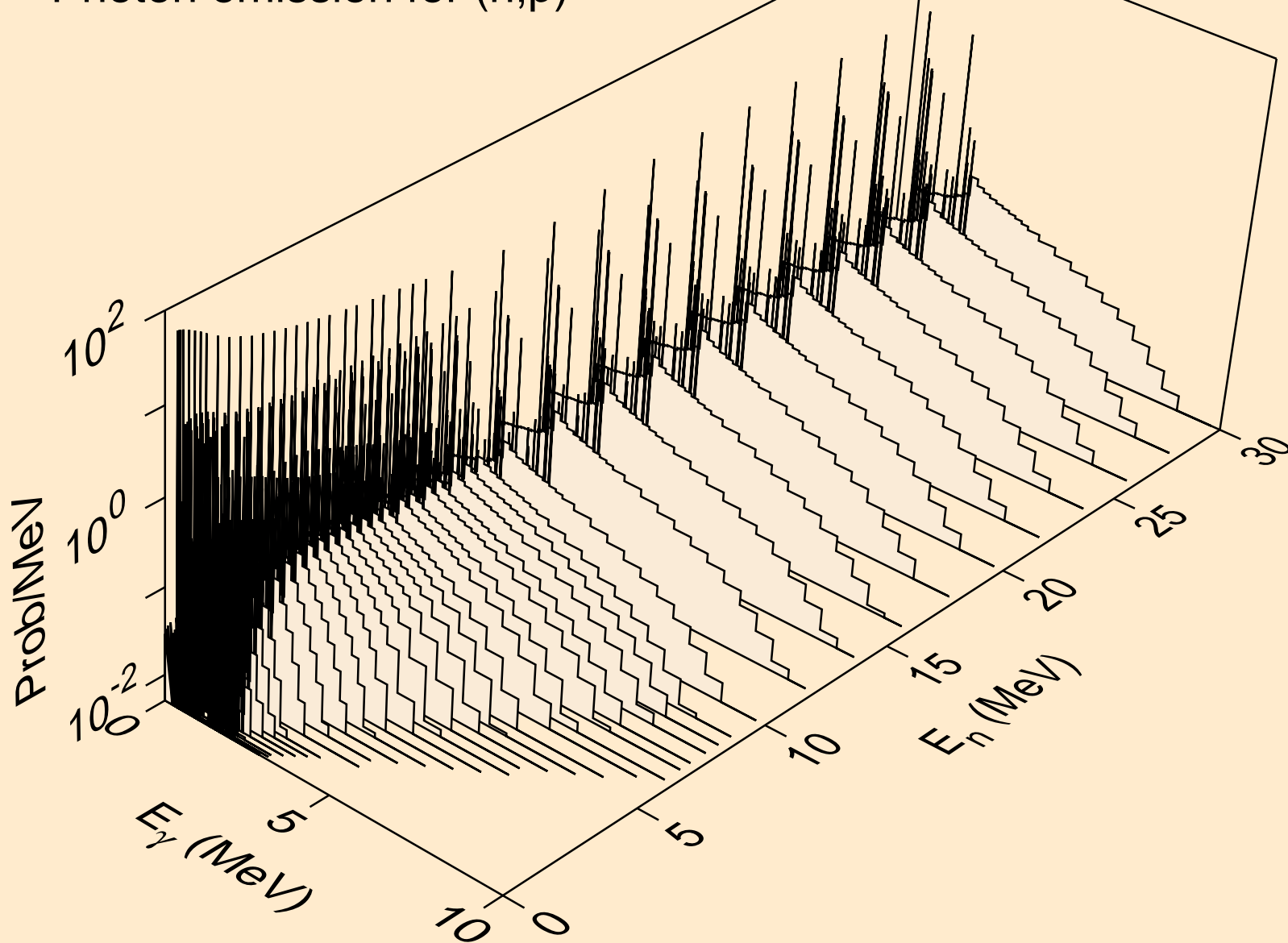
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Photon emission for (n,n\*c)



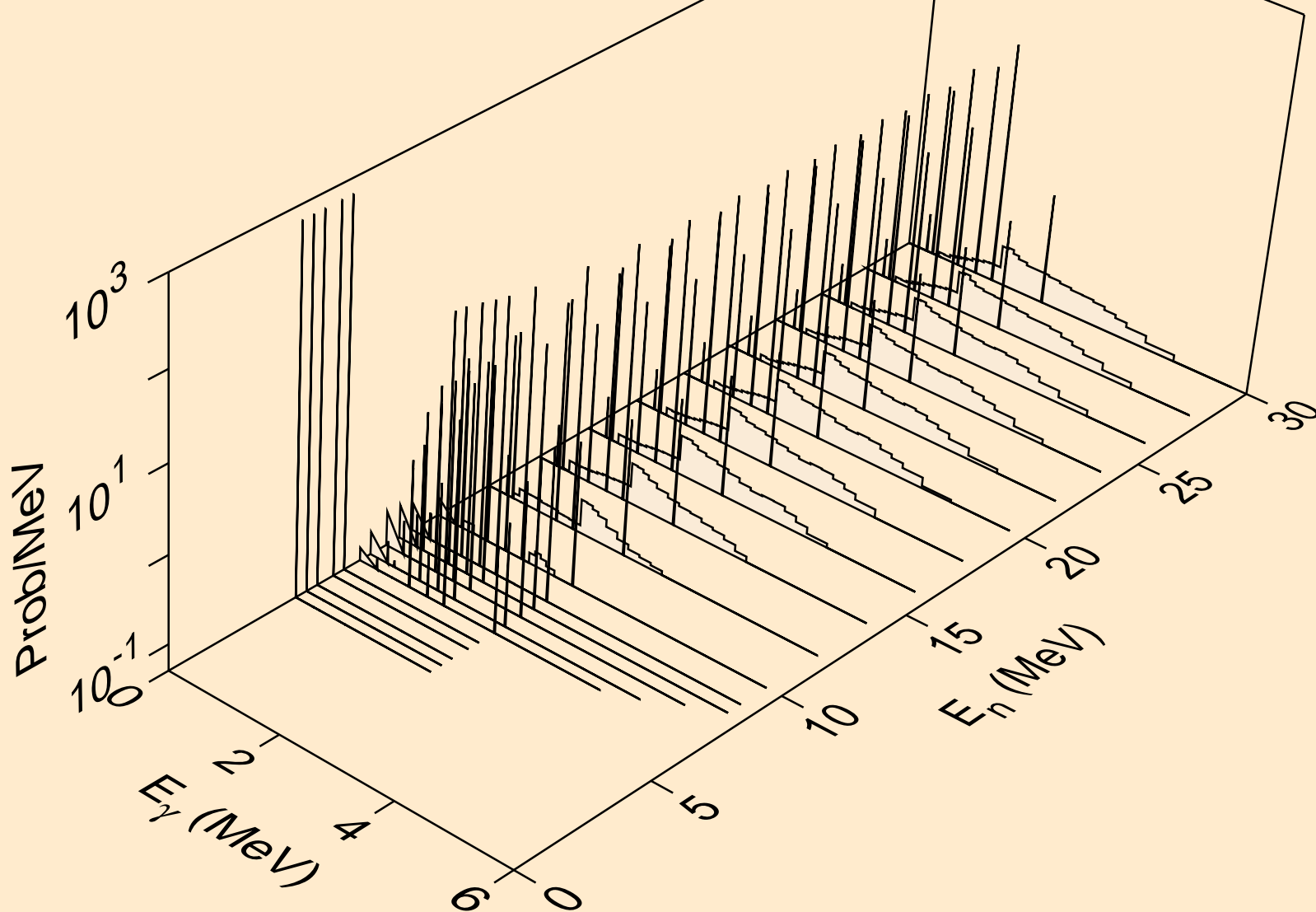
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)



SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)

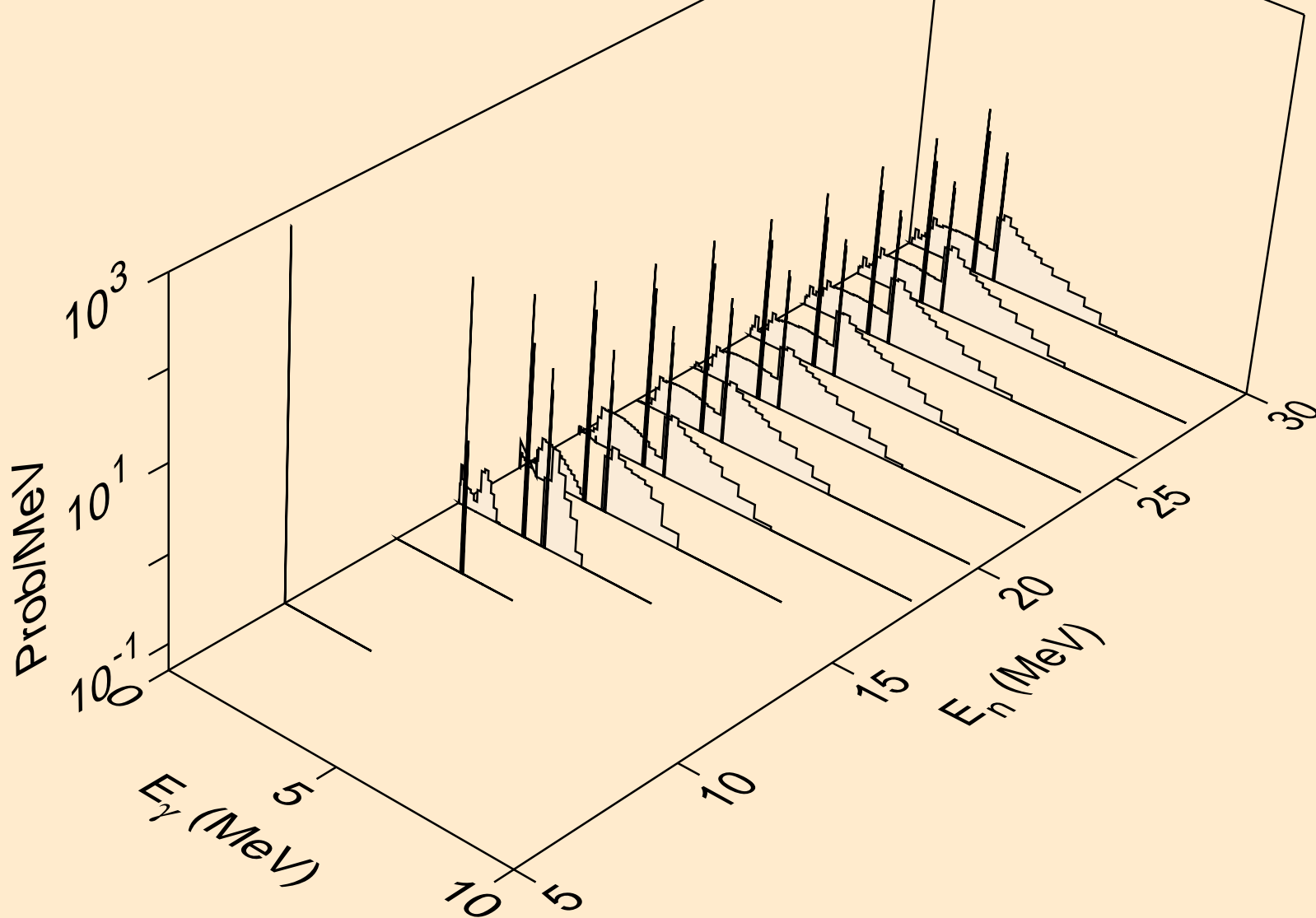


SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)

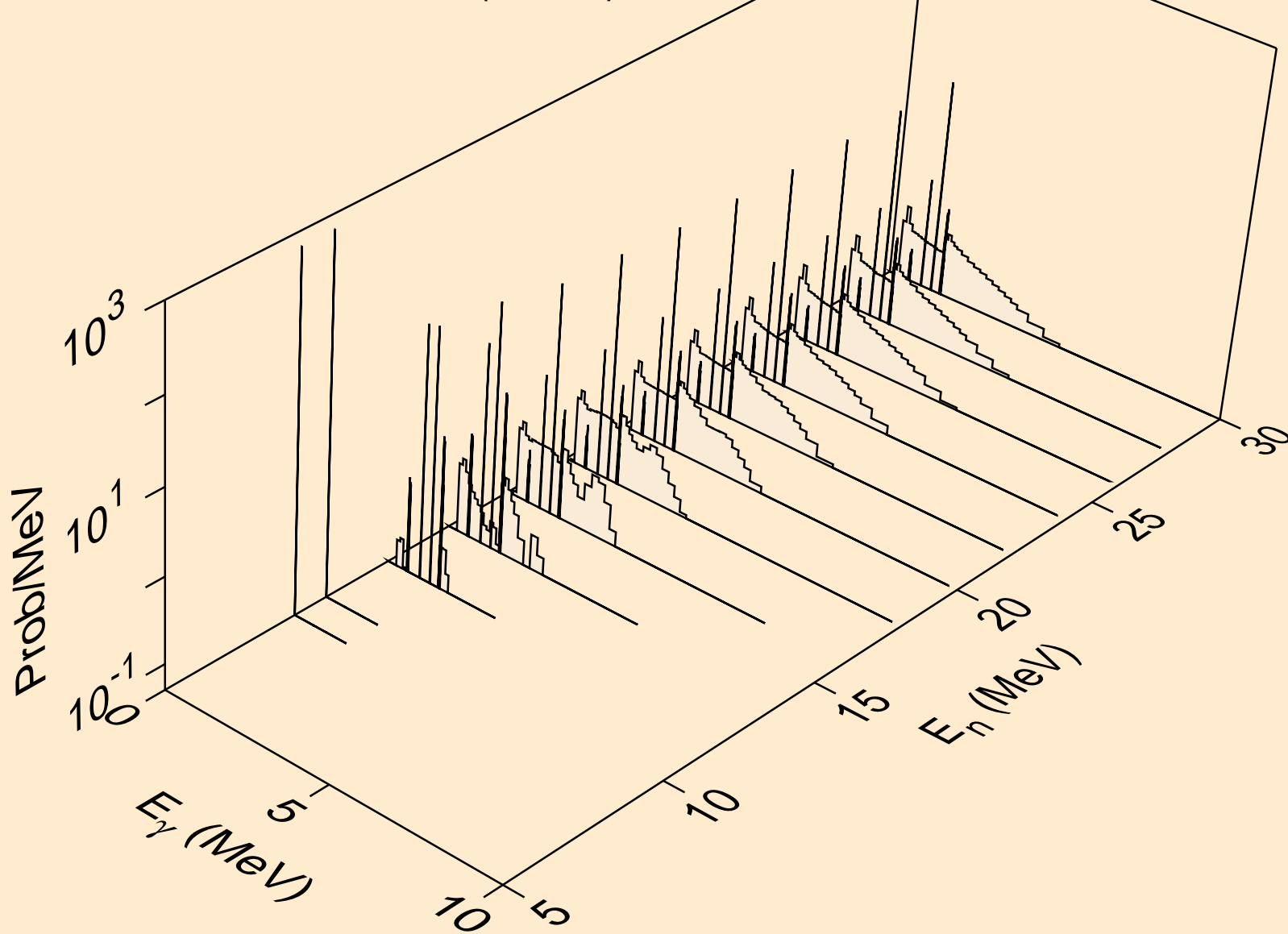




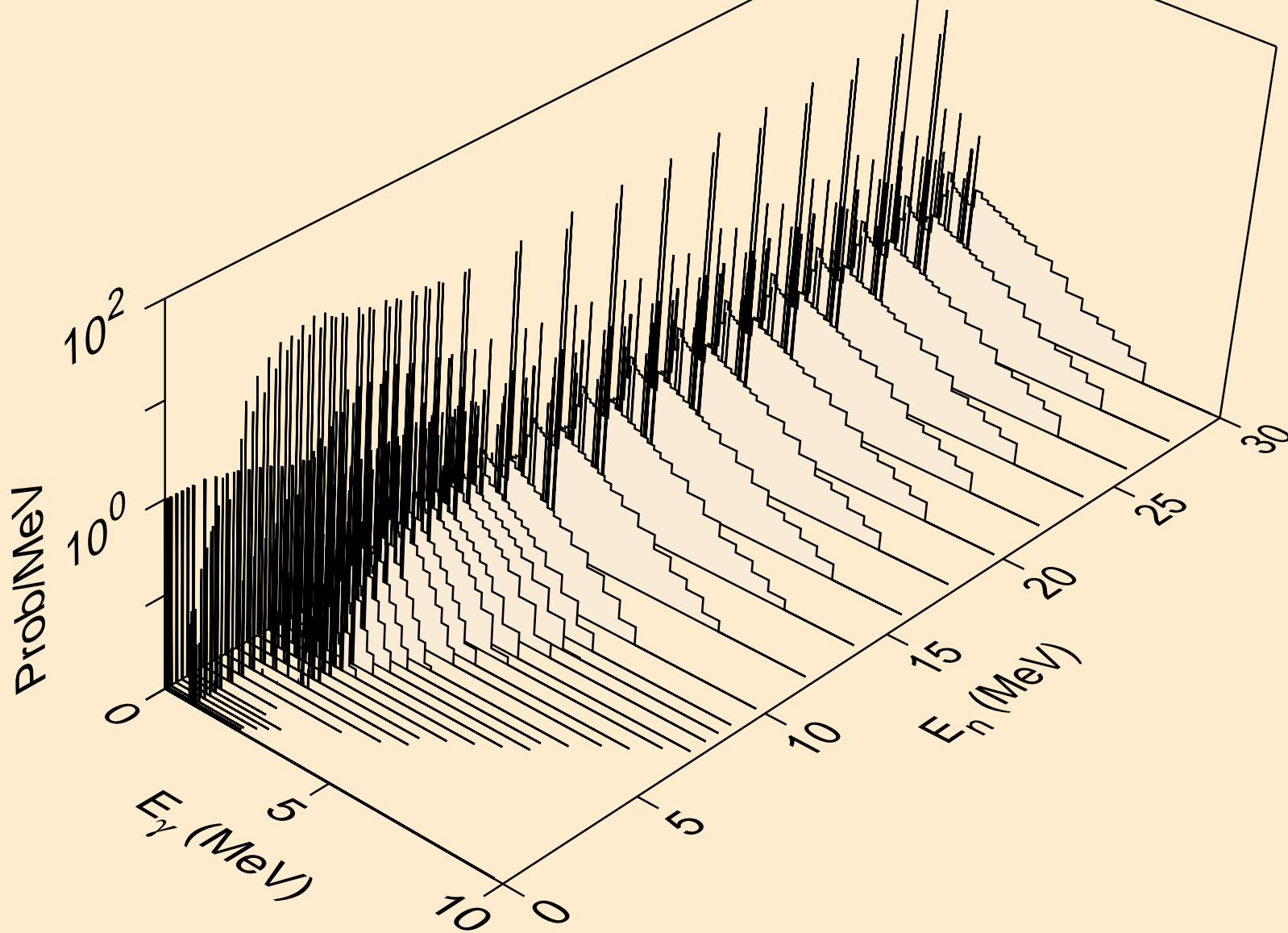
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Photon emission for (n,t)



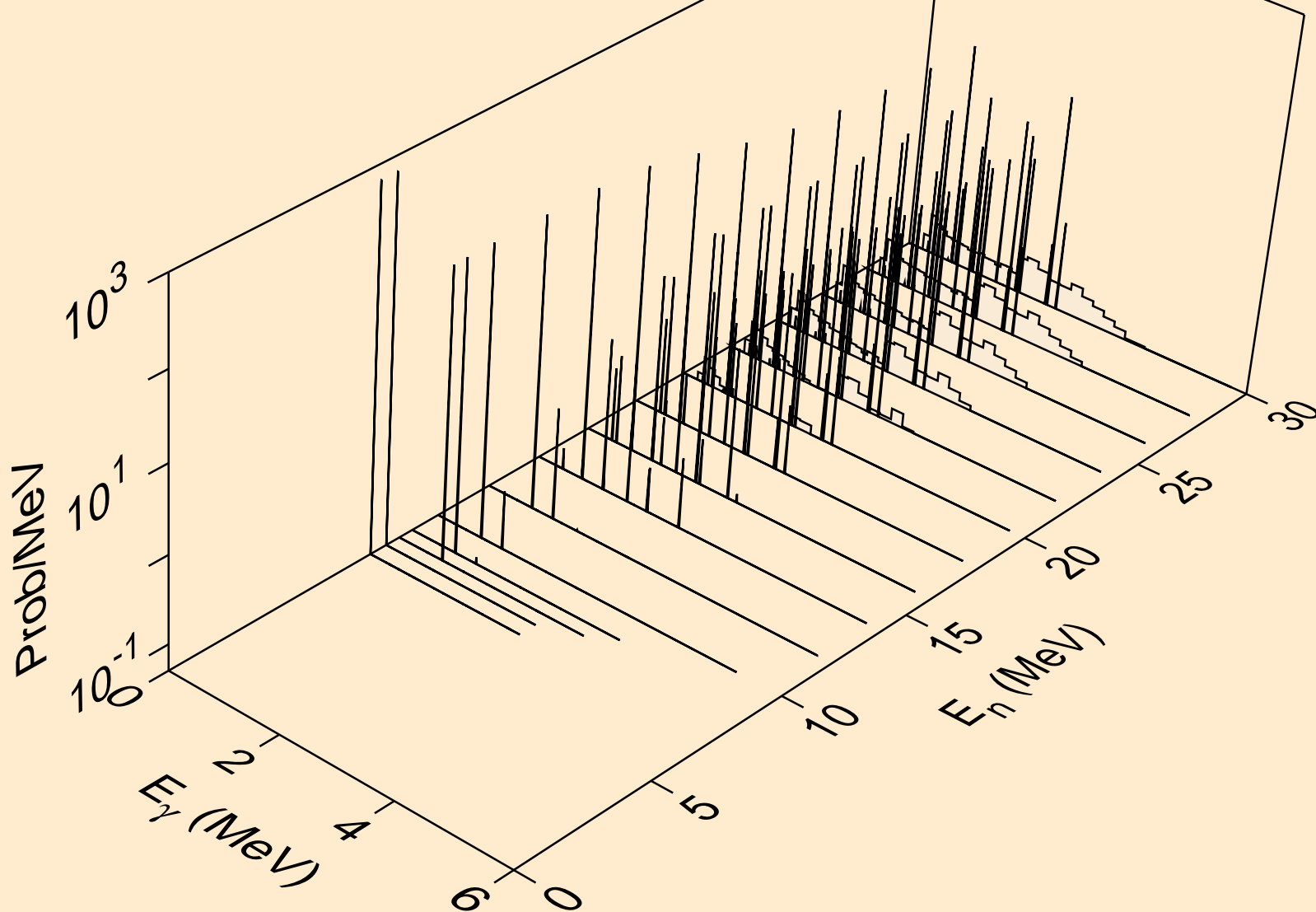
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Photon emission for (n,he3)



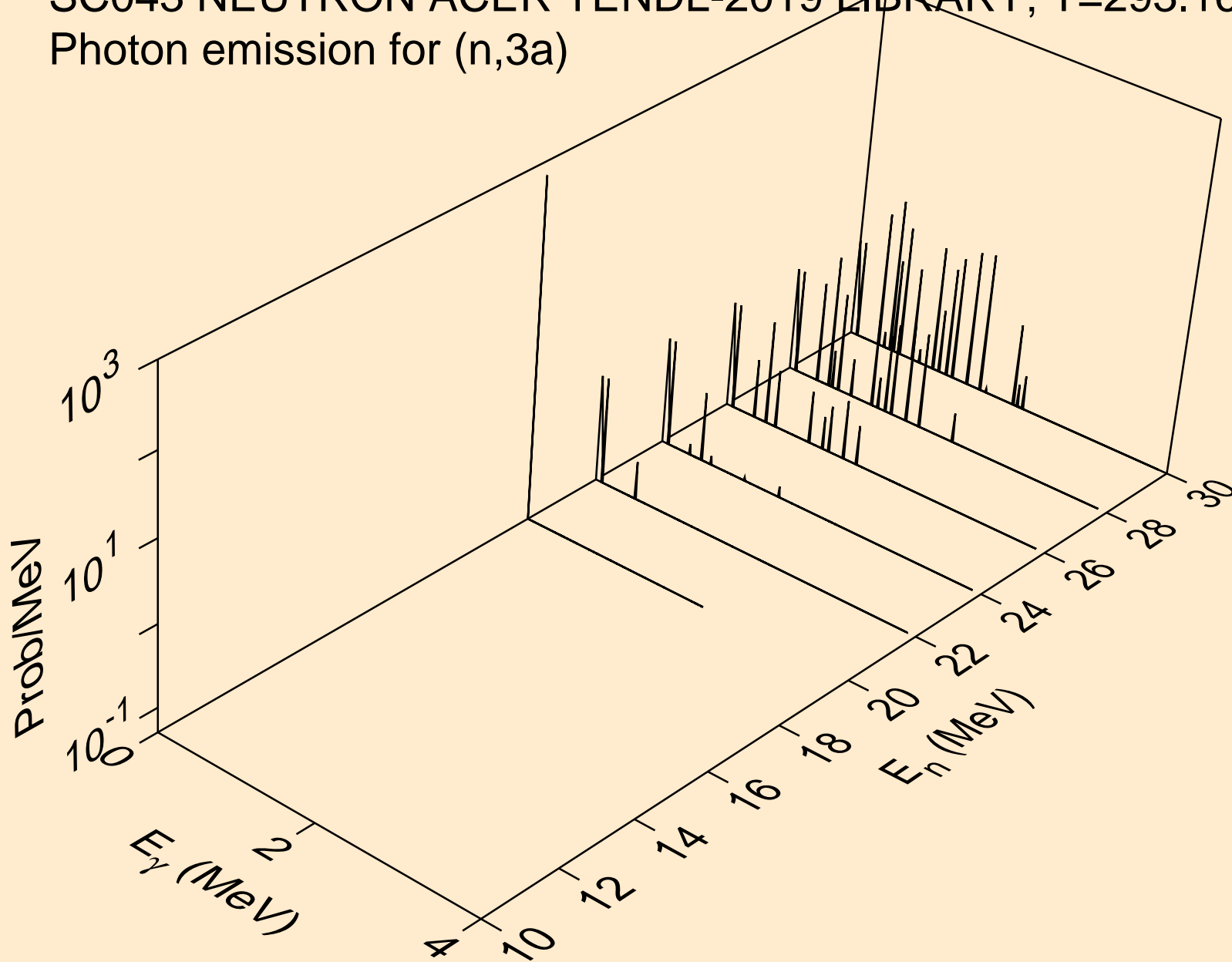
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Photon emission for (n,a)



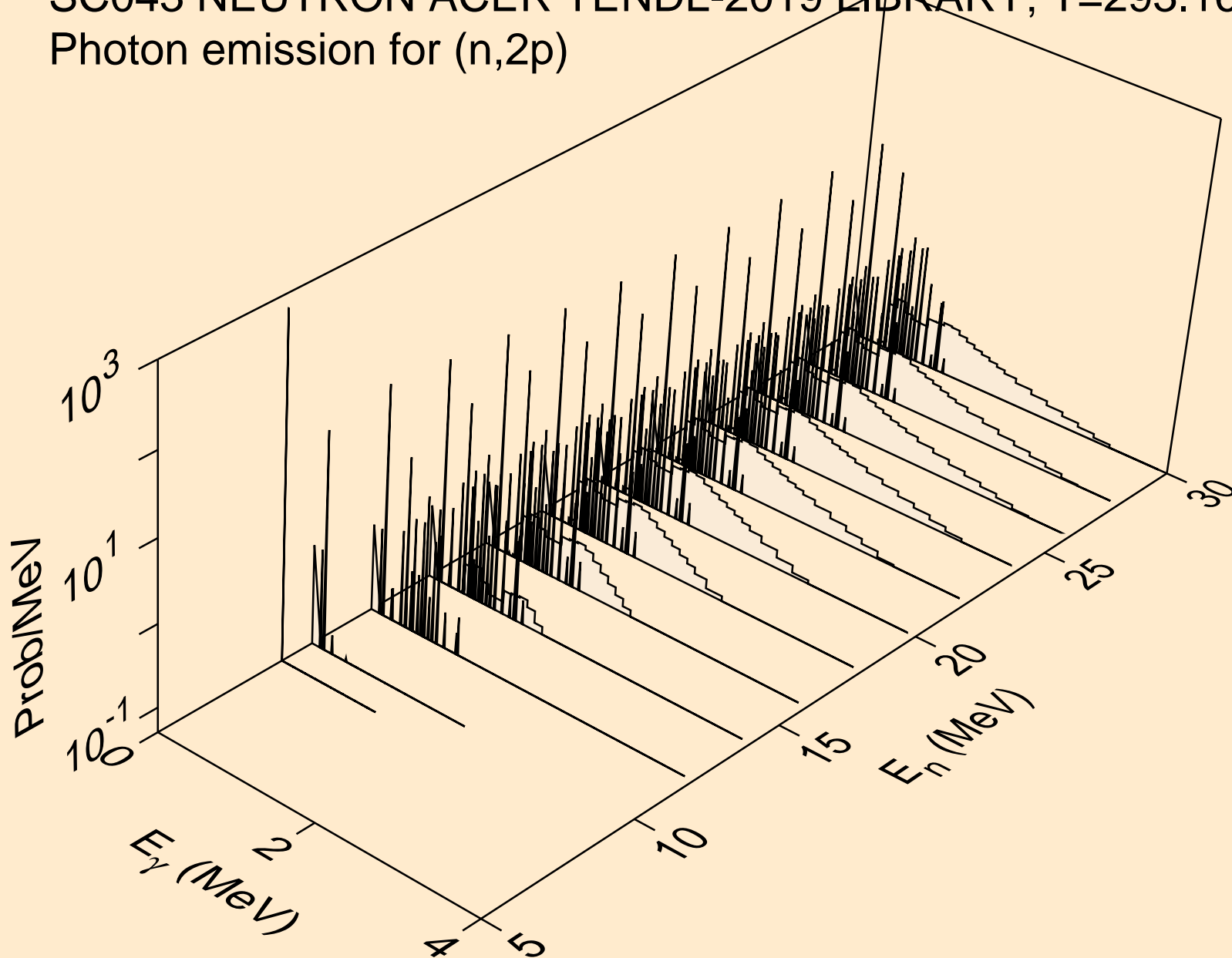
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Photon emission for (n,2a)



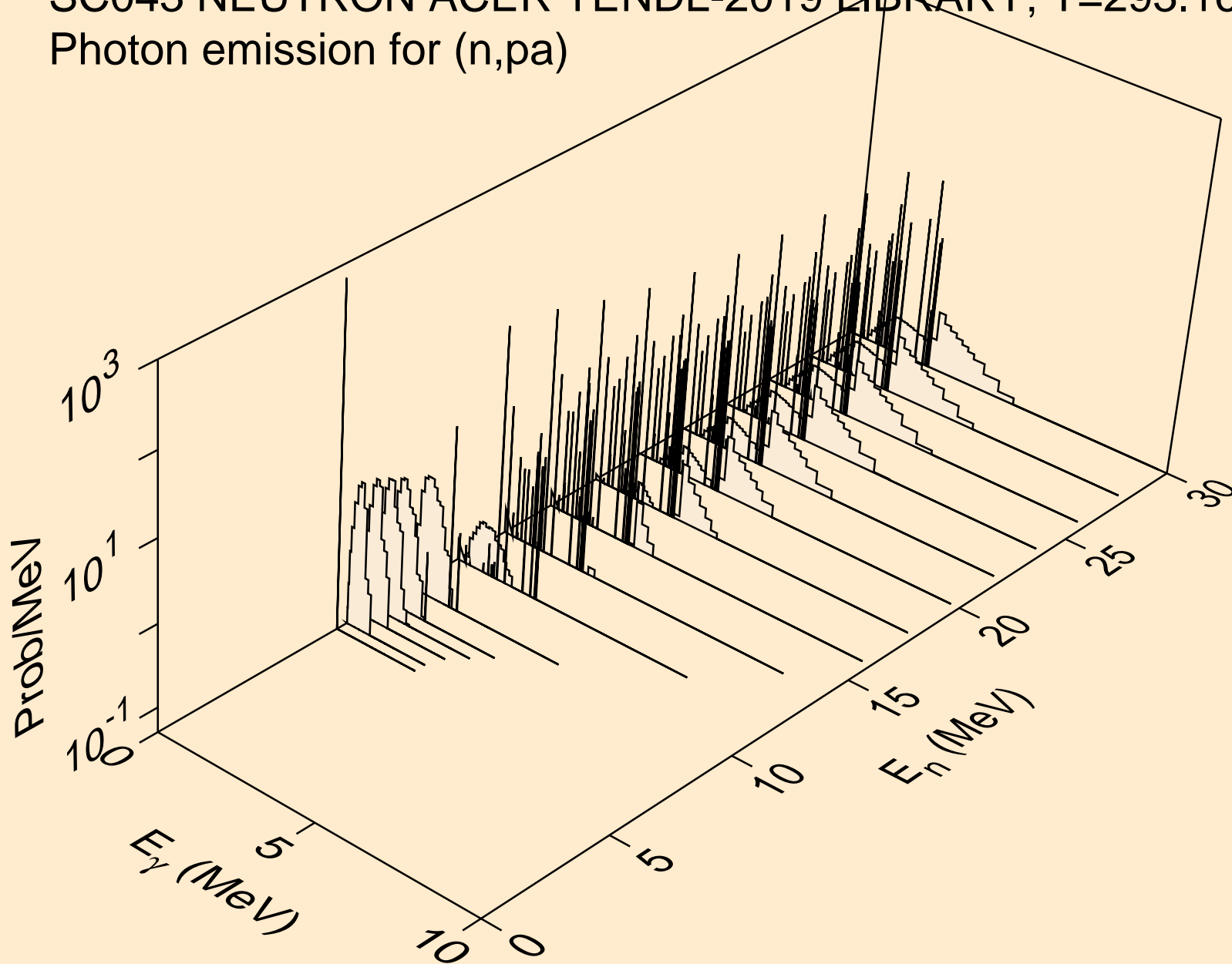
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Photon emission for (n,3a)



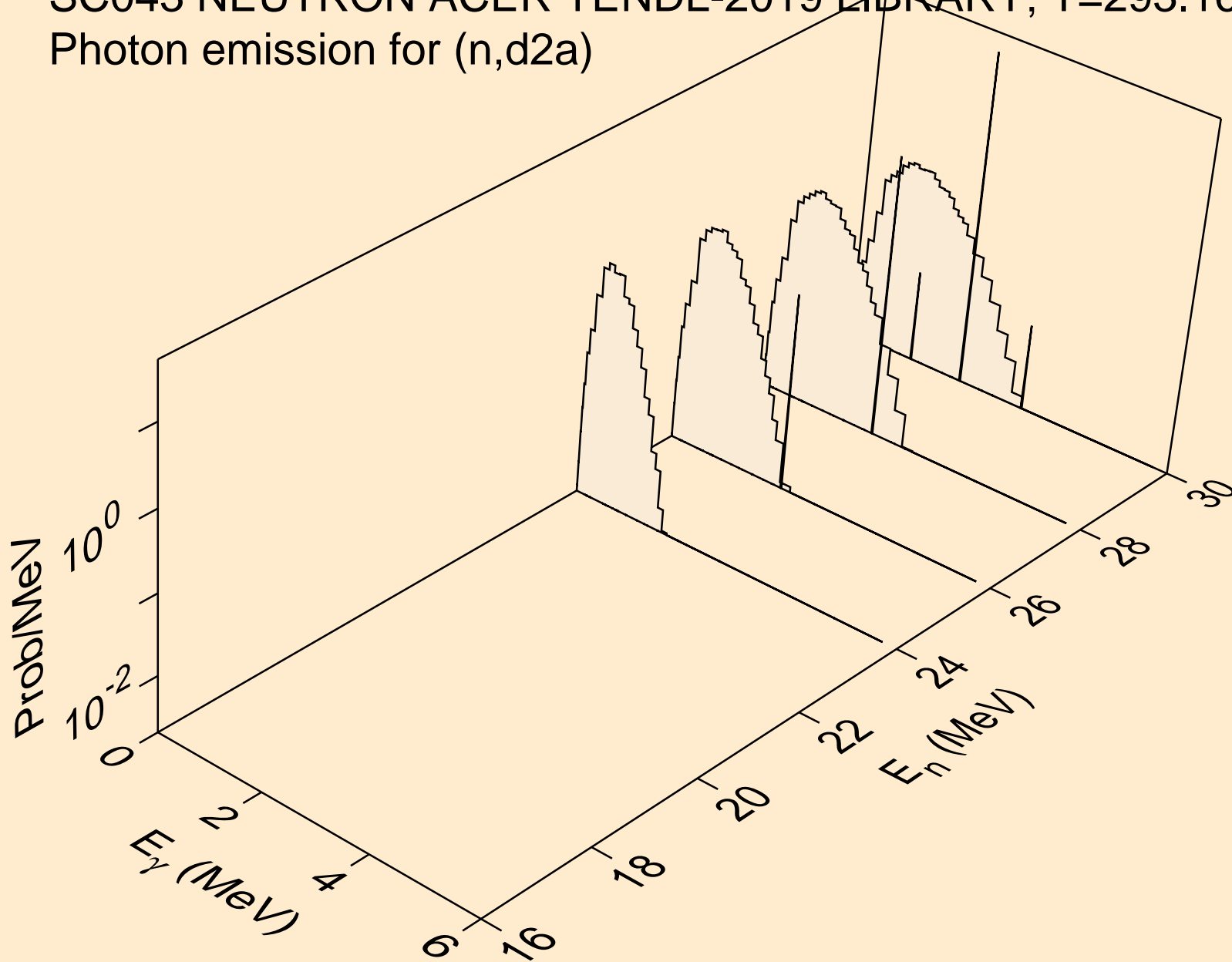
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)



SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)

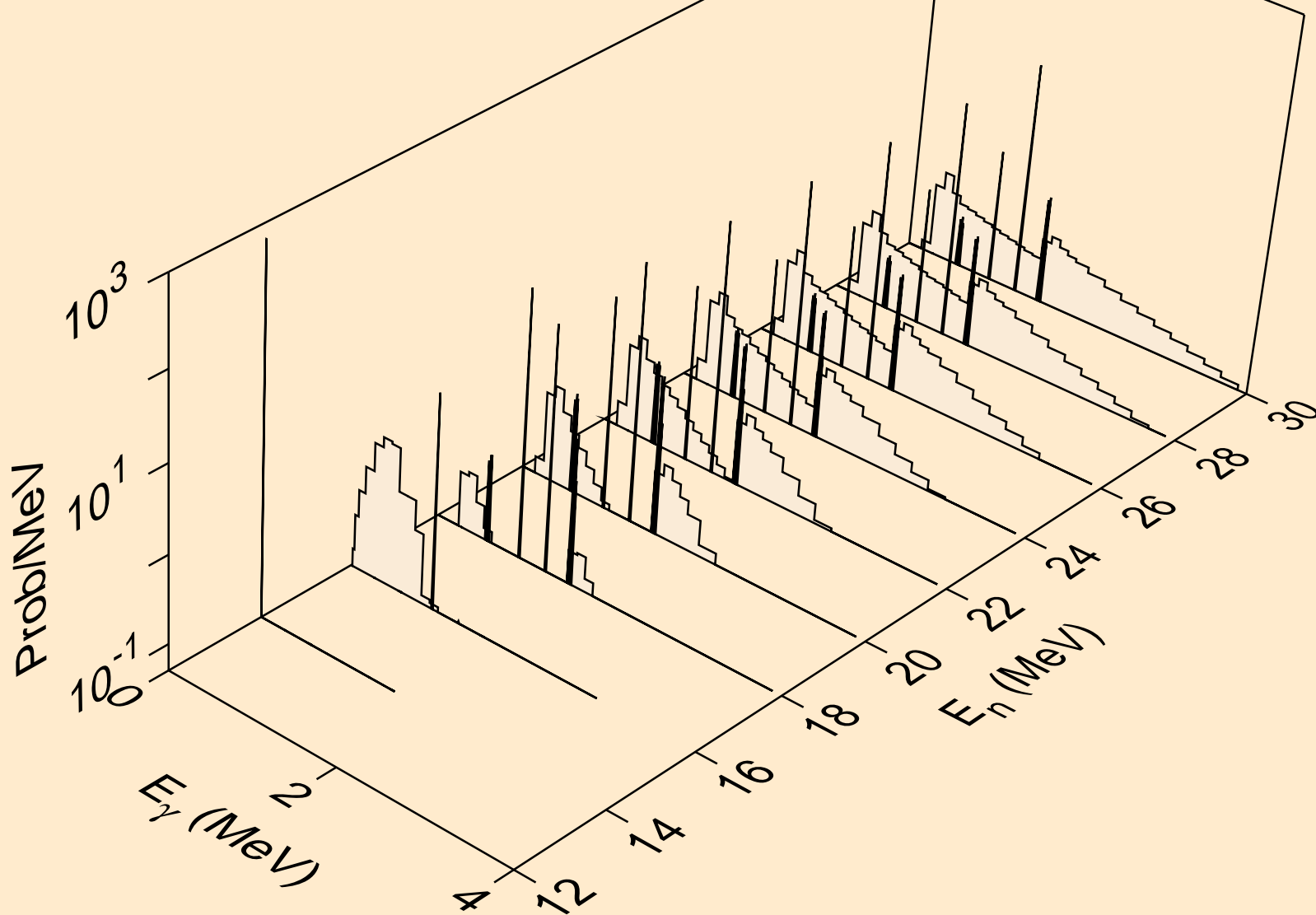


SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d2a)

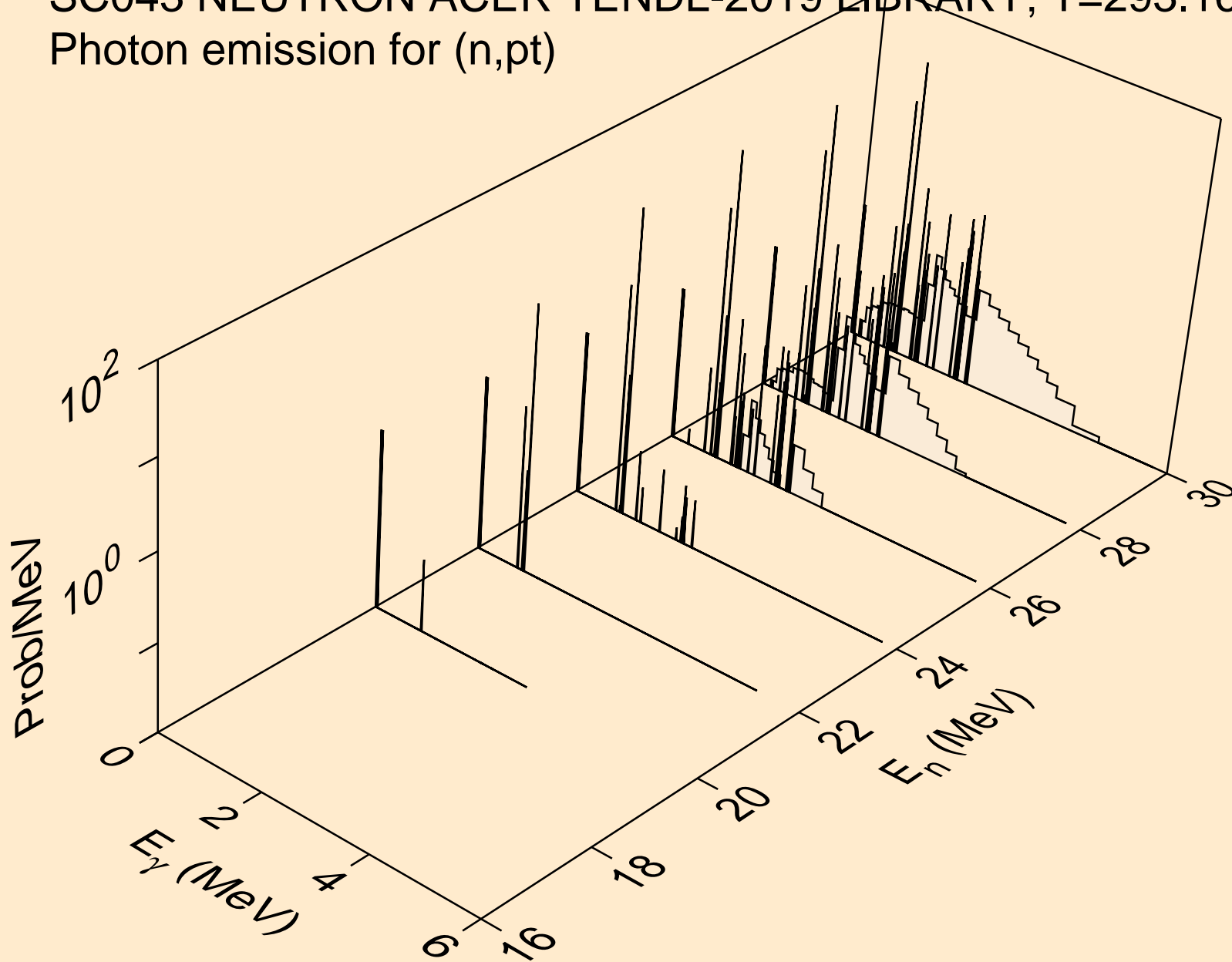




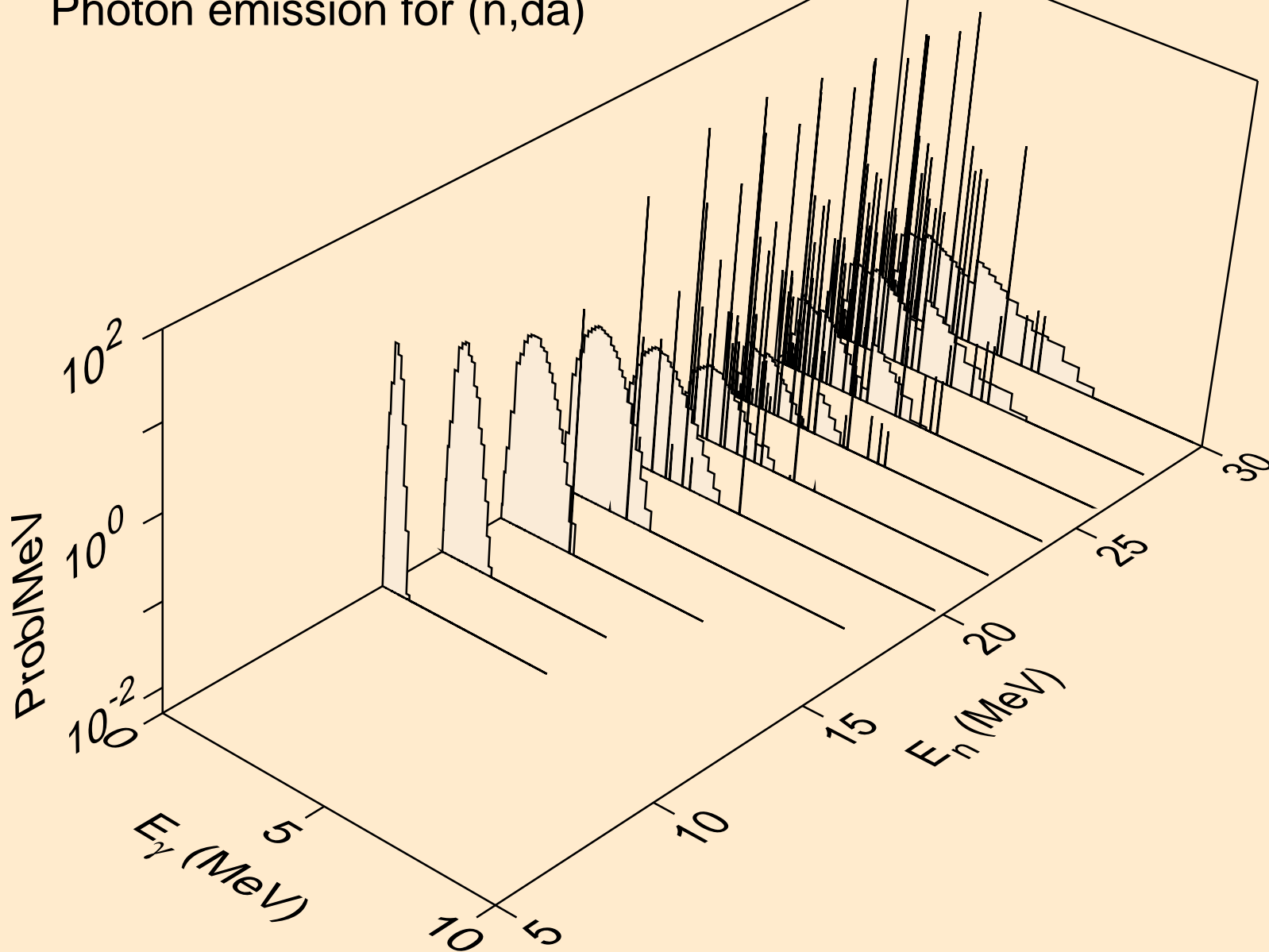
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)



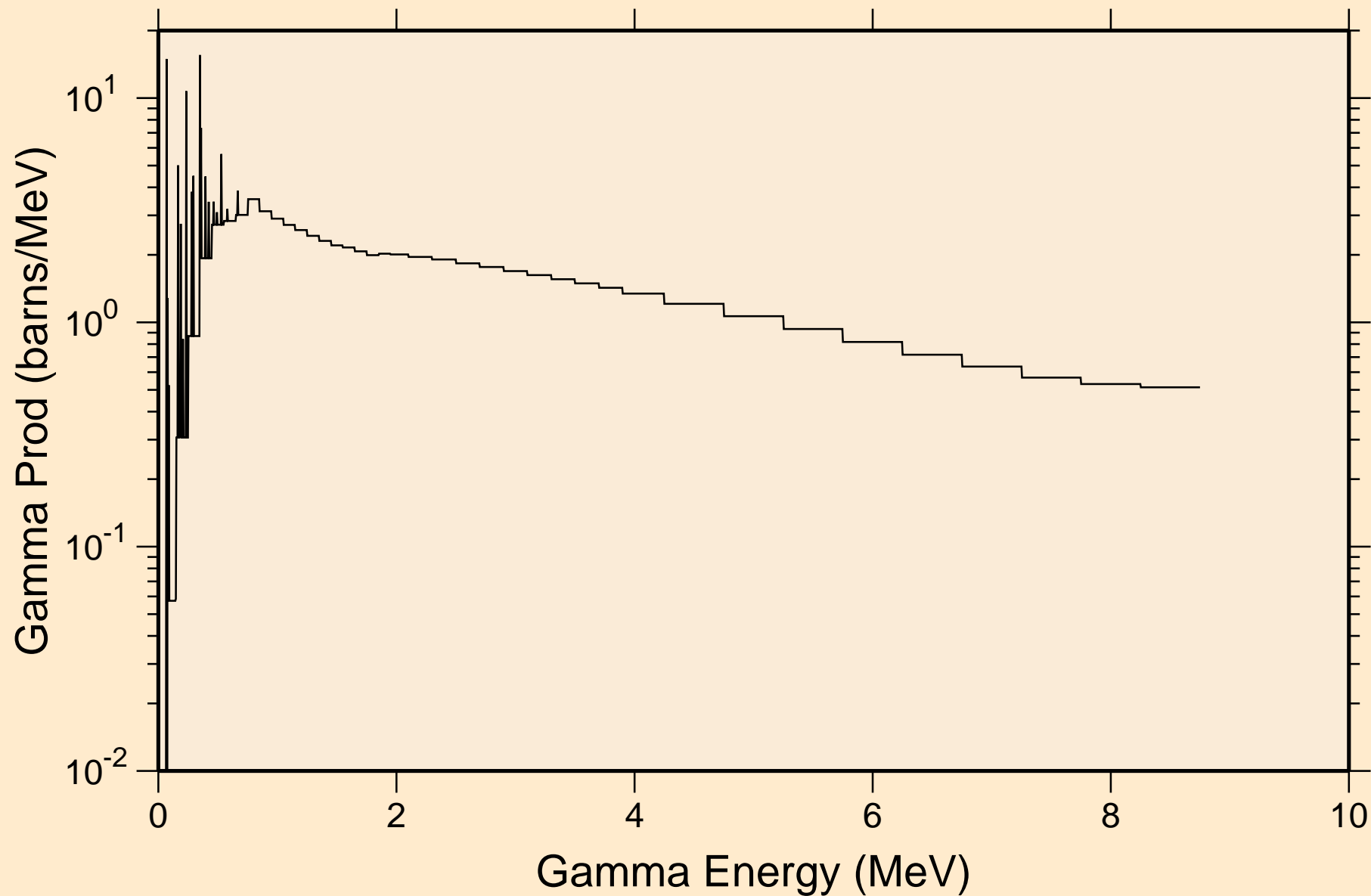
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pt)



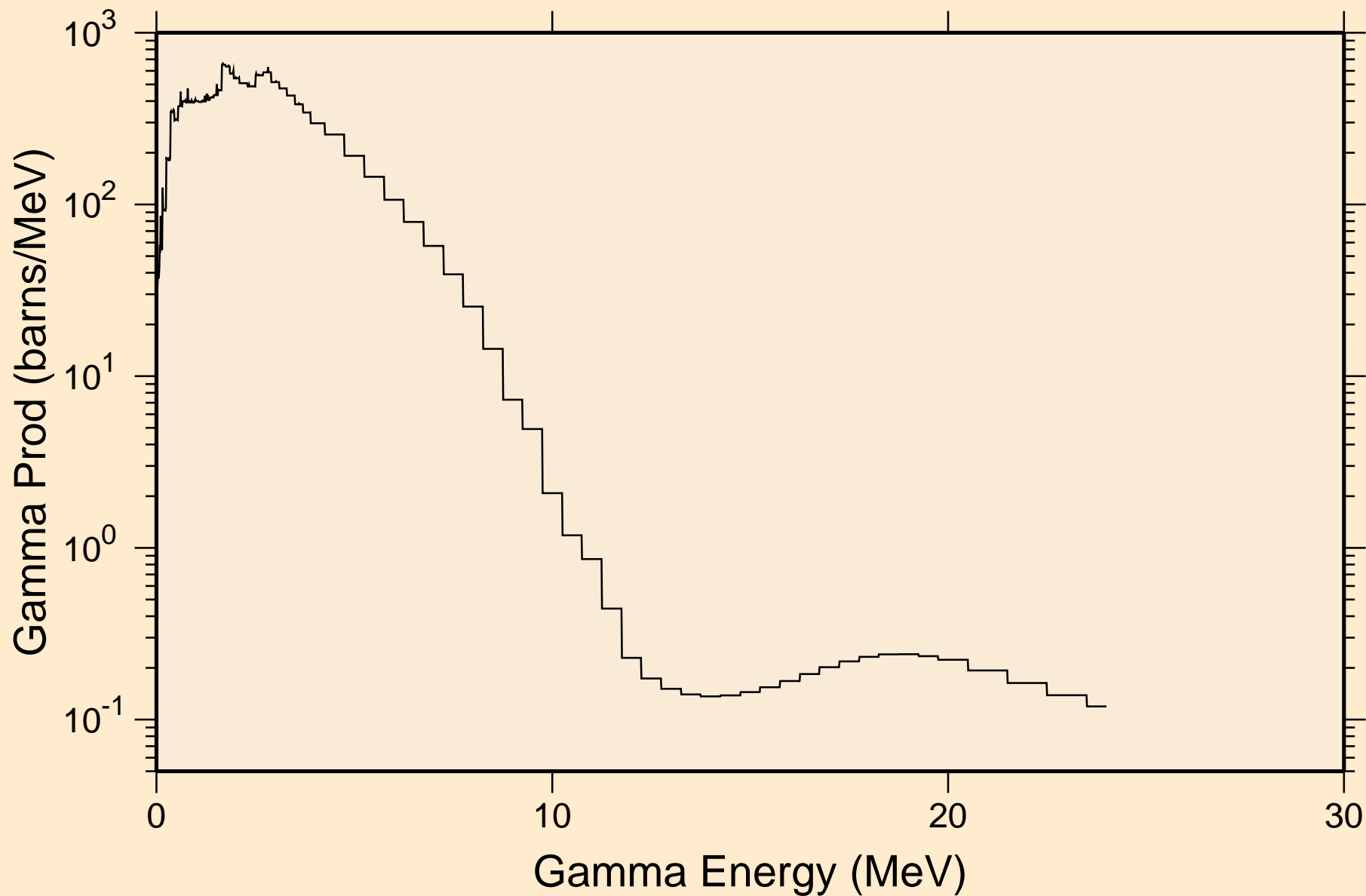
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)



SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

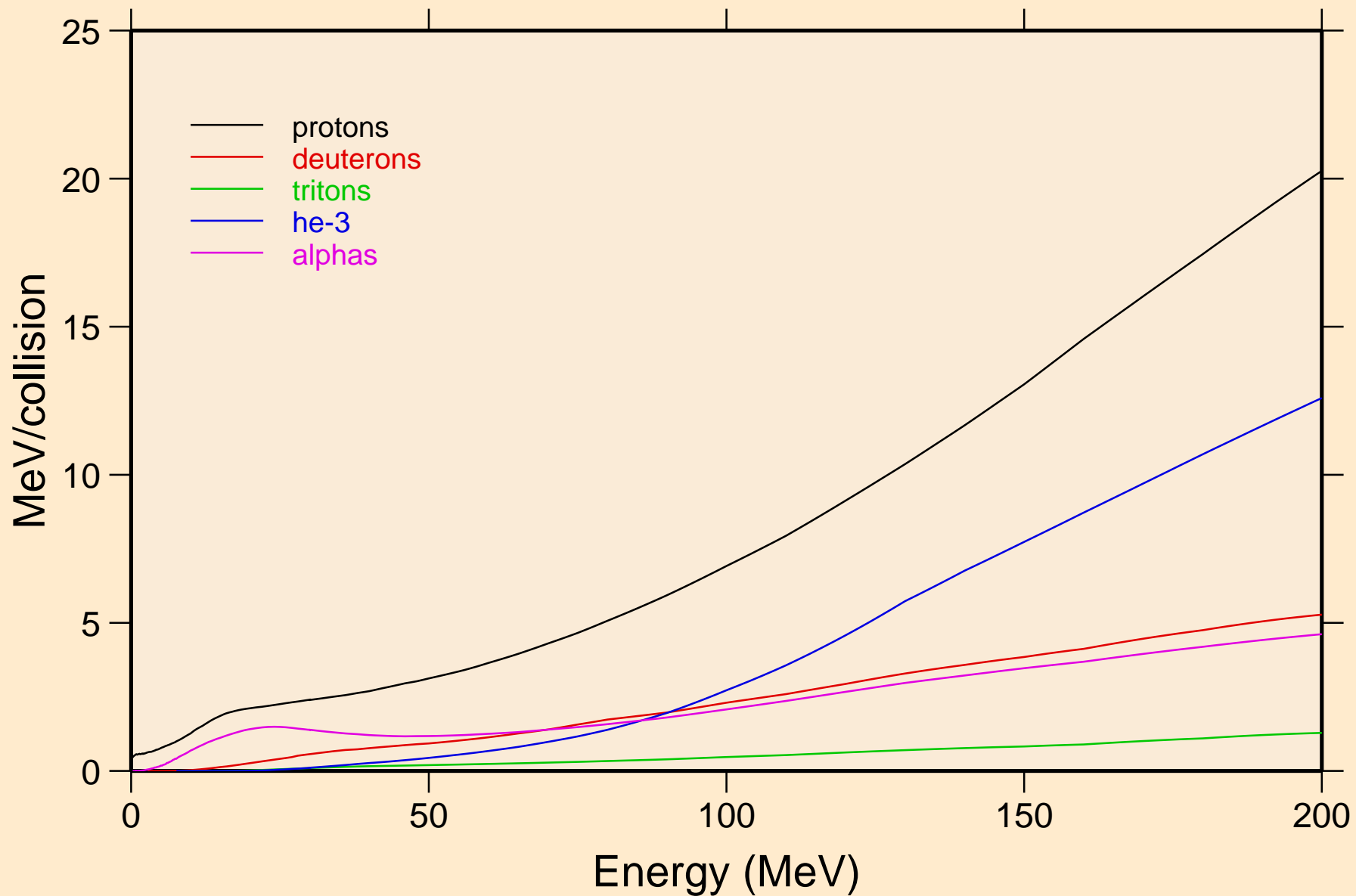


SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

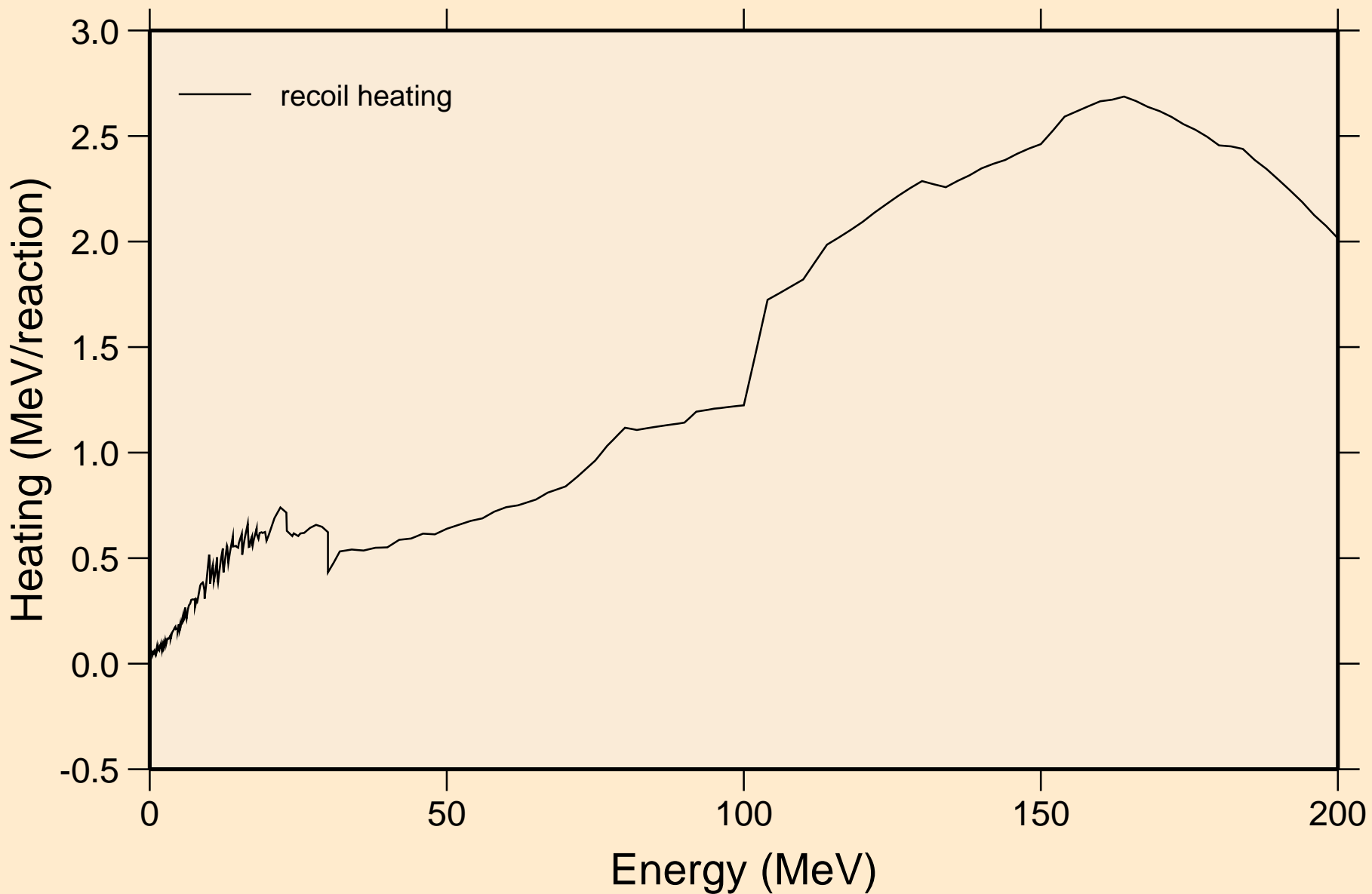


# SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

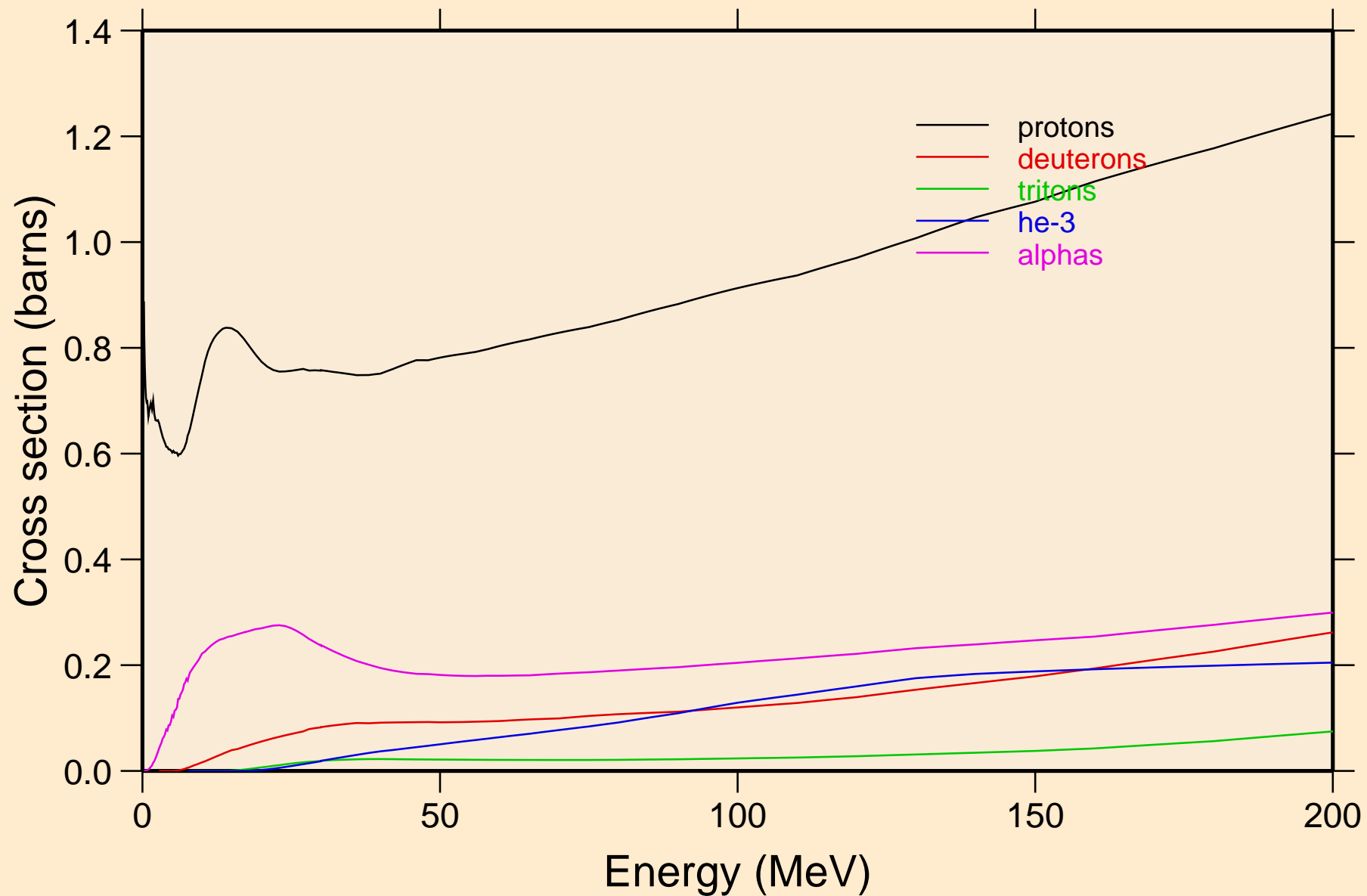
## Particle heating contributions



SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating

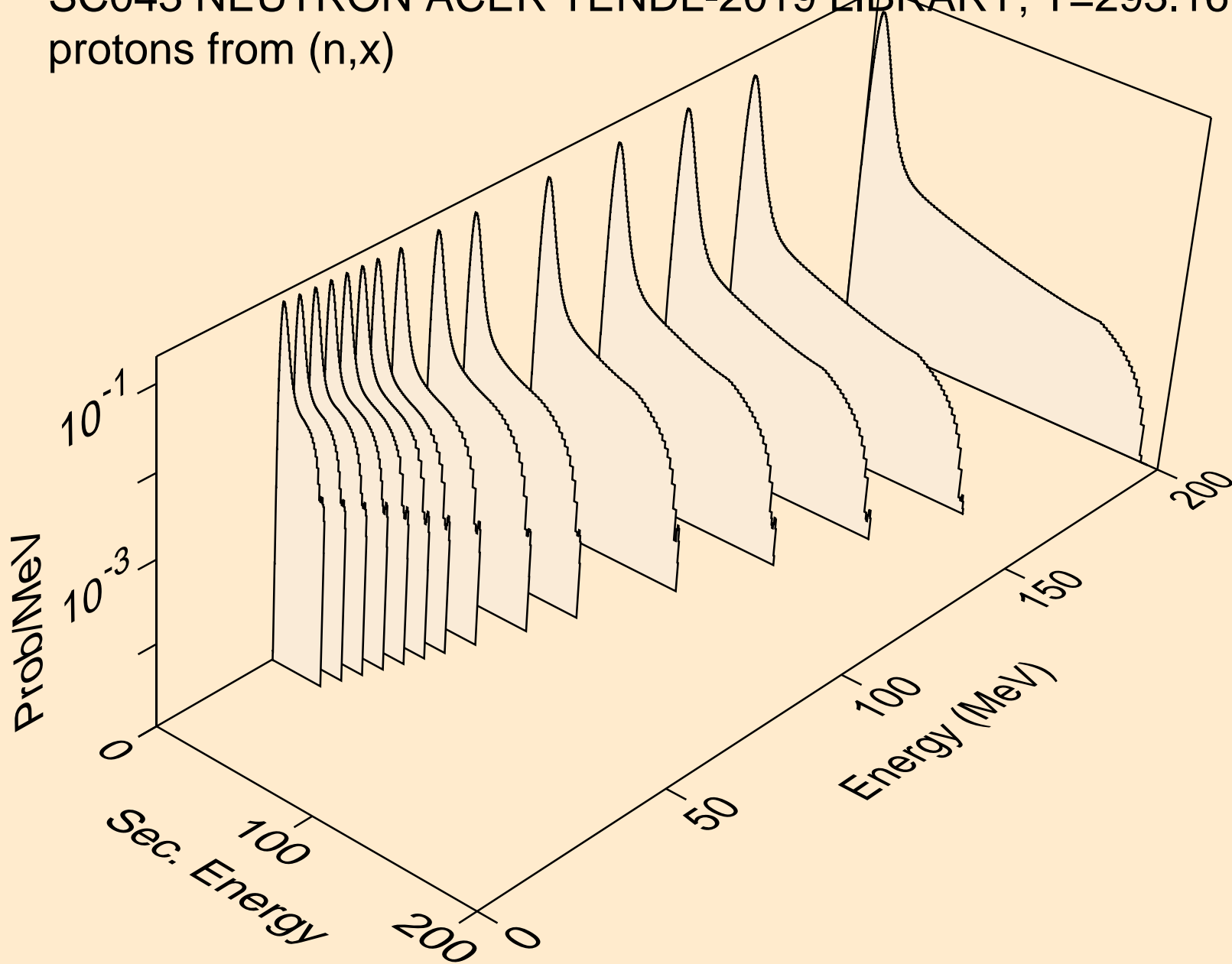


SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle production cross sections

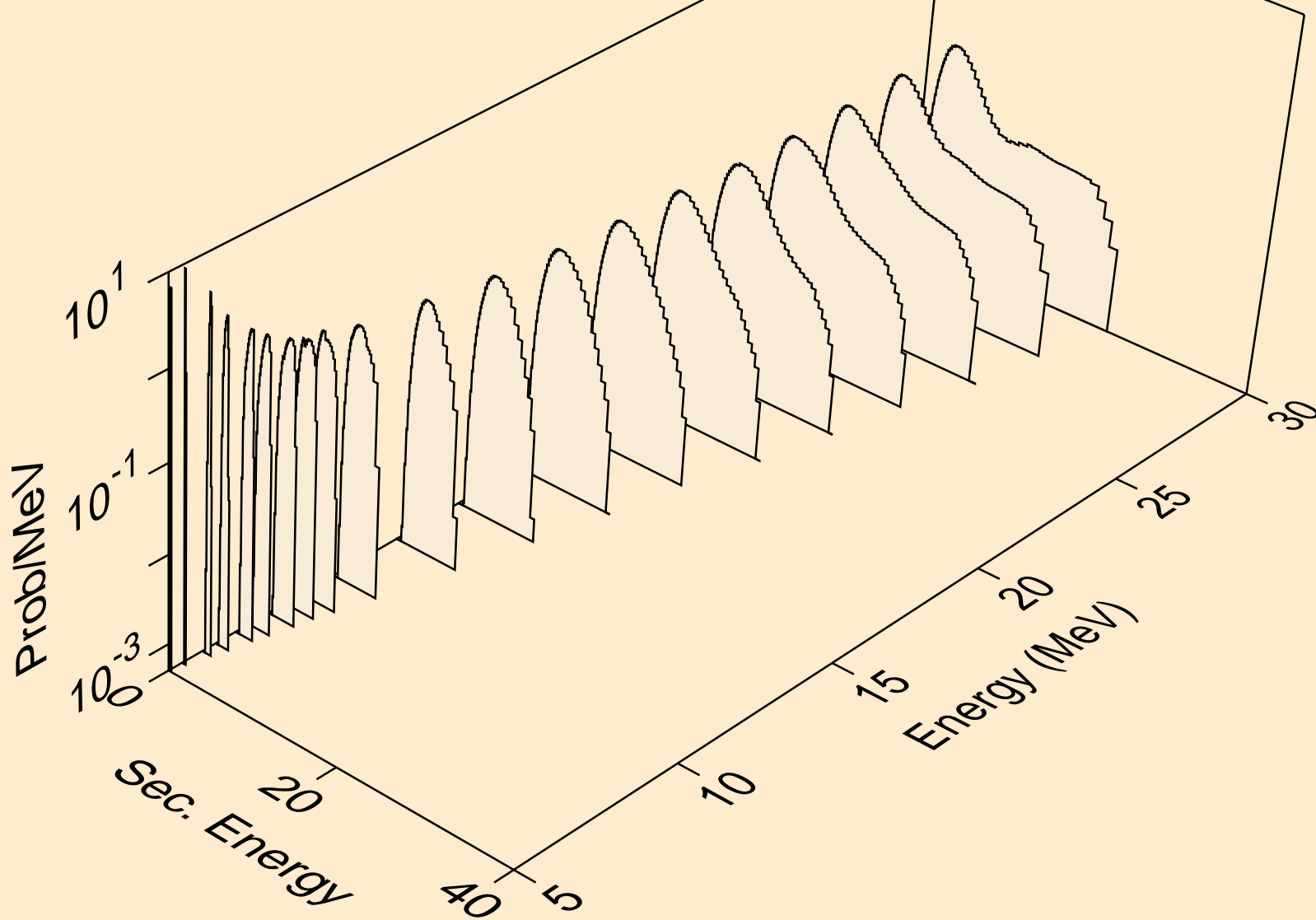




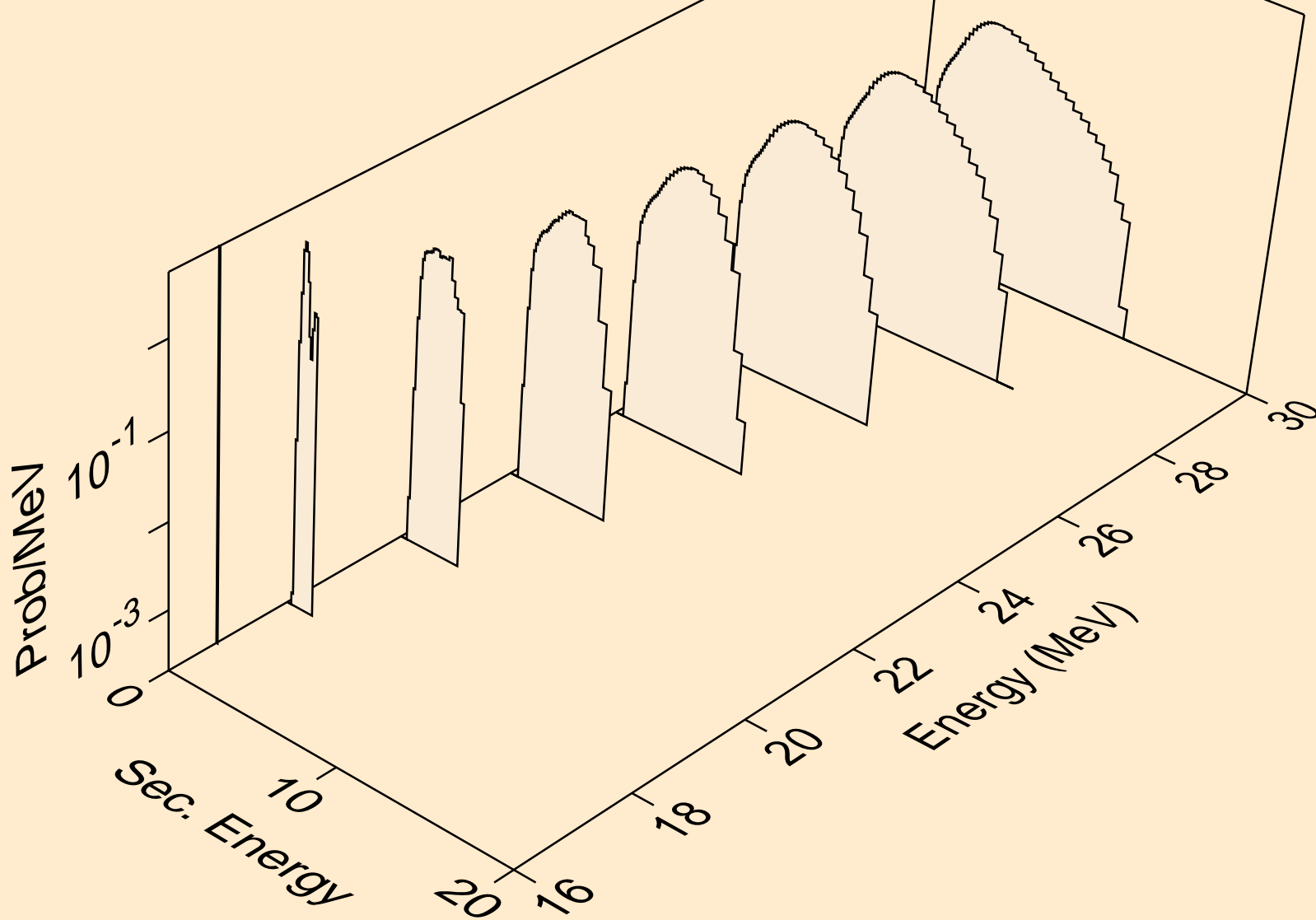
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



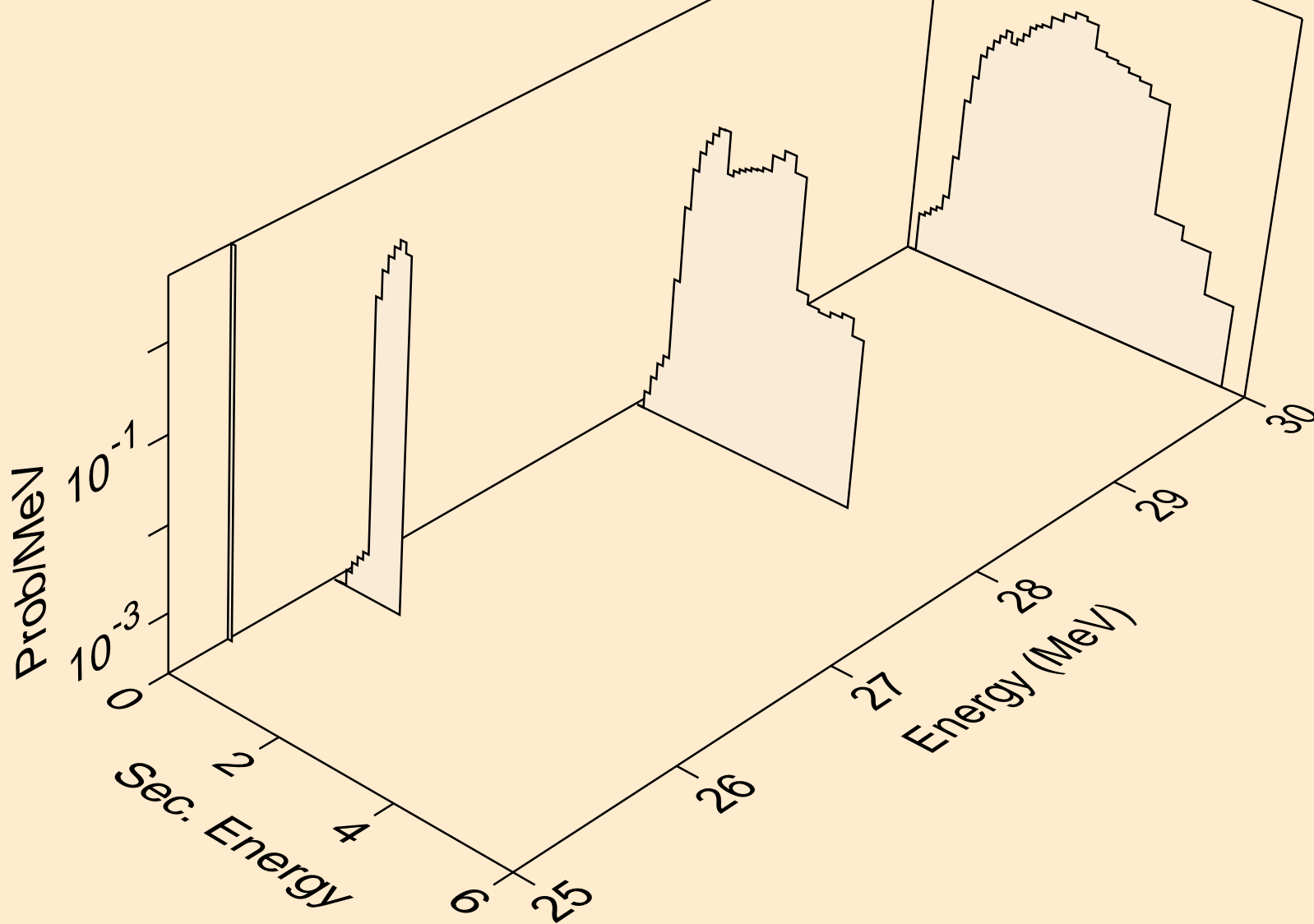
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



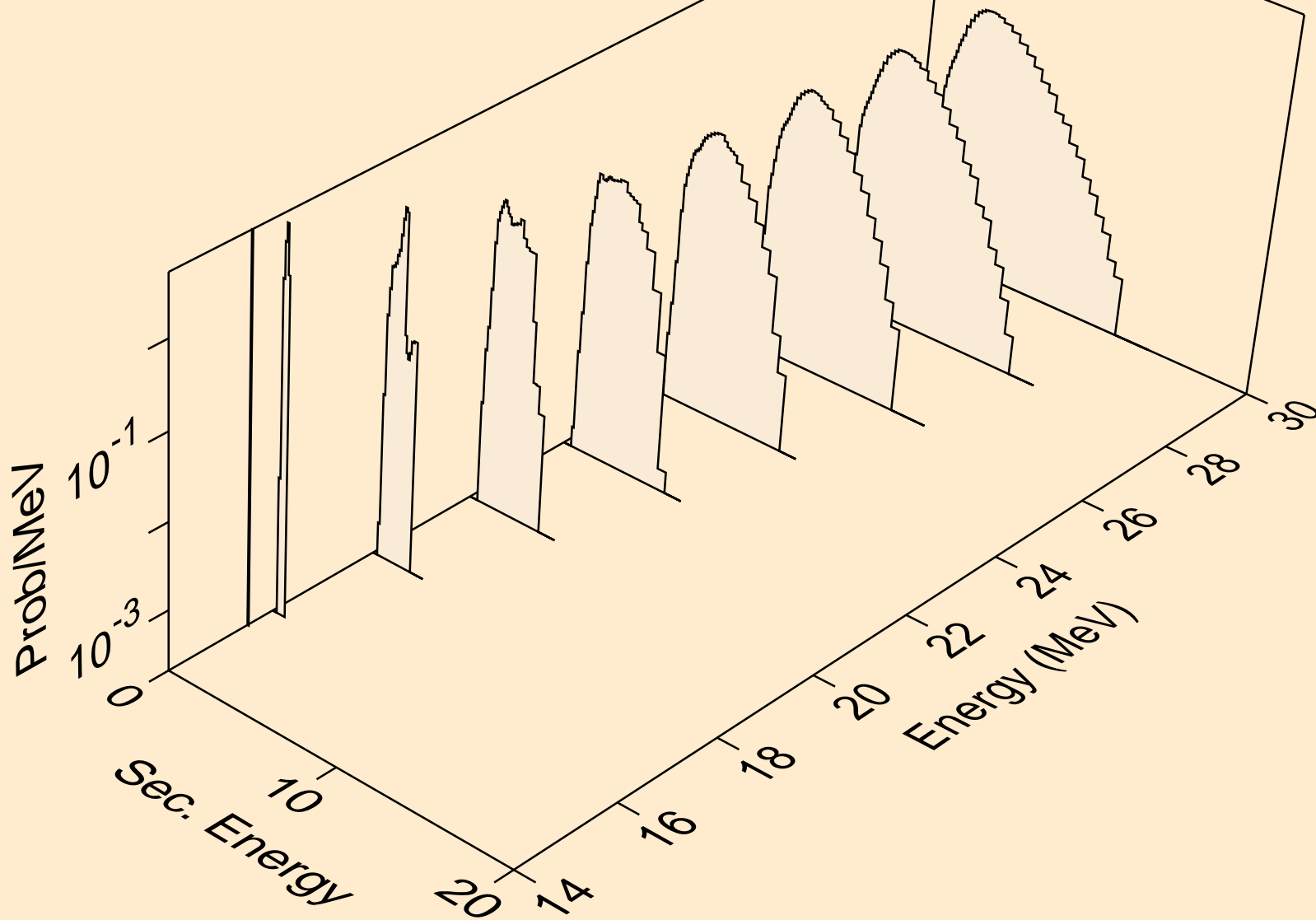
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protons from (n,2np)



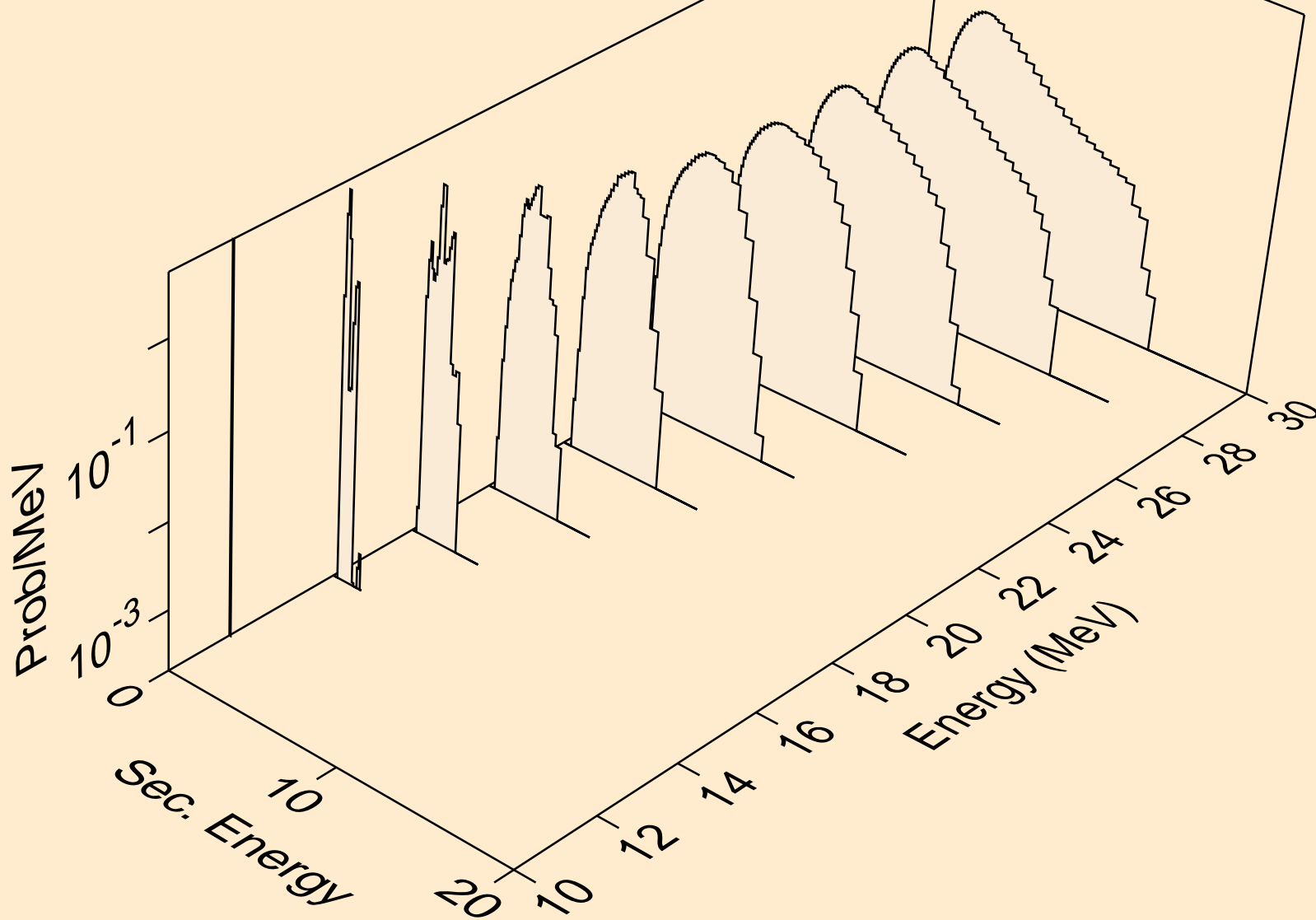
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protons from (n,3np)



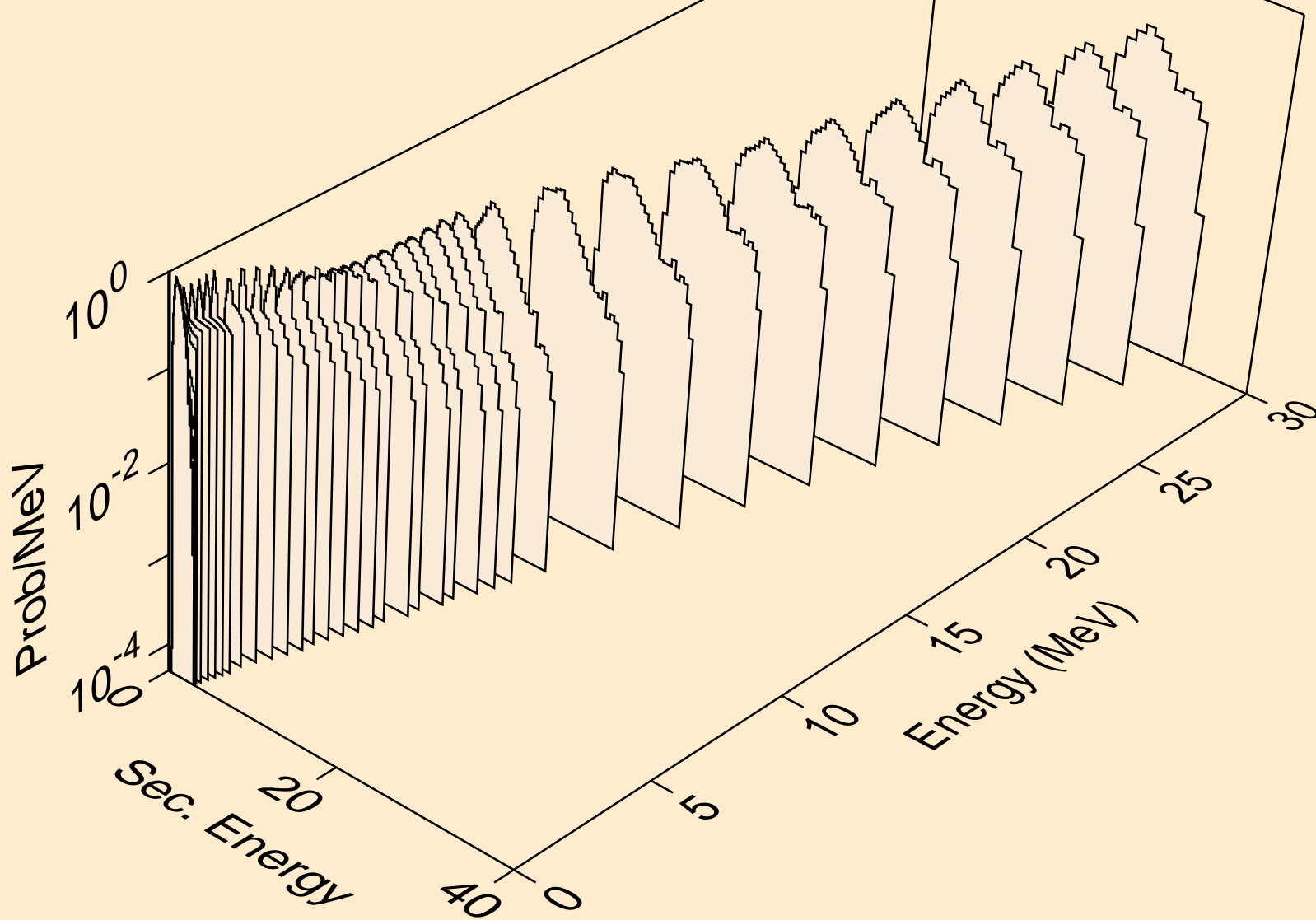
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protons from (n,2np)



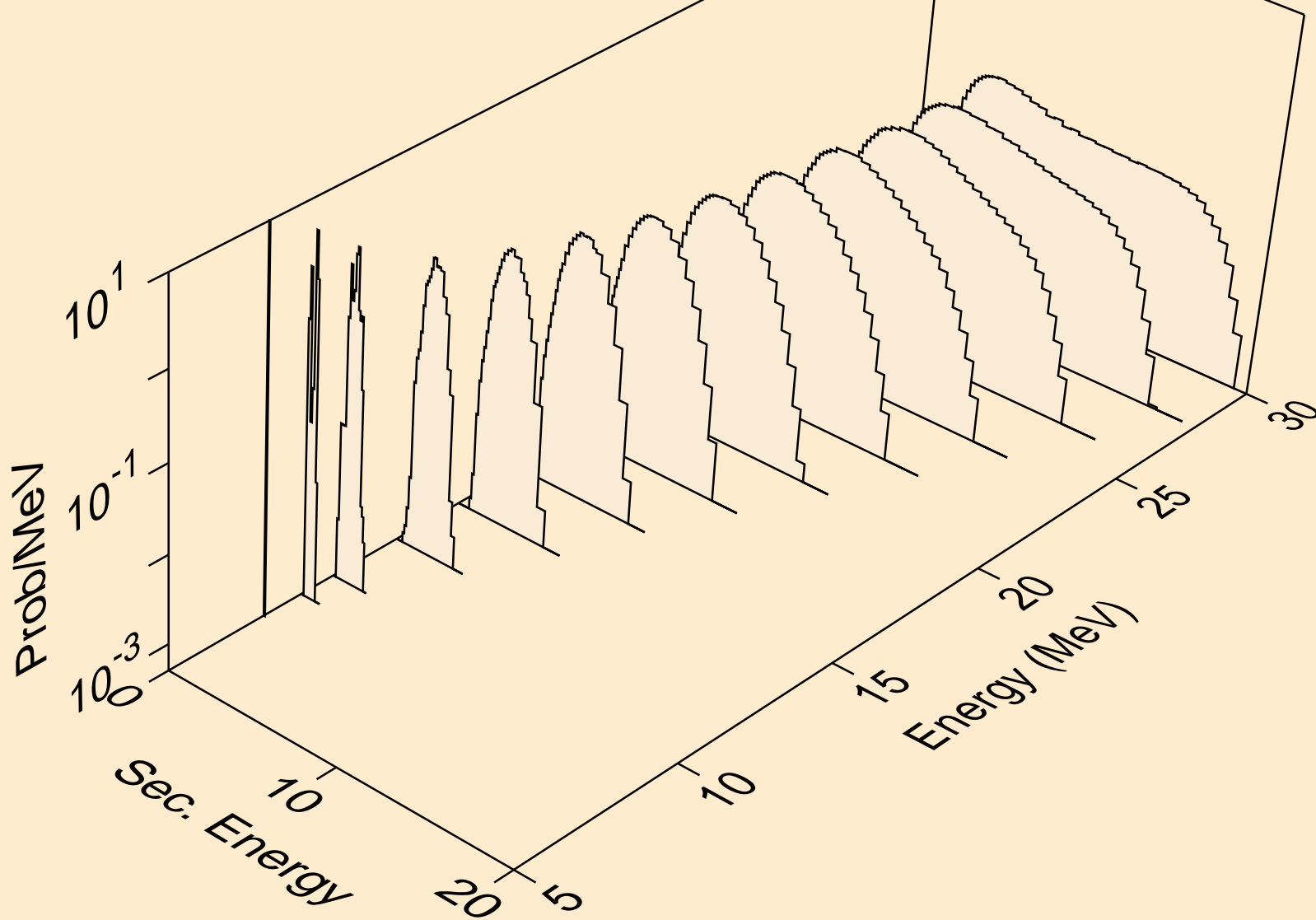
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protons from (n,npa)



SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)

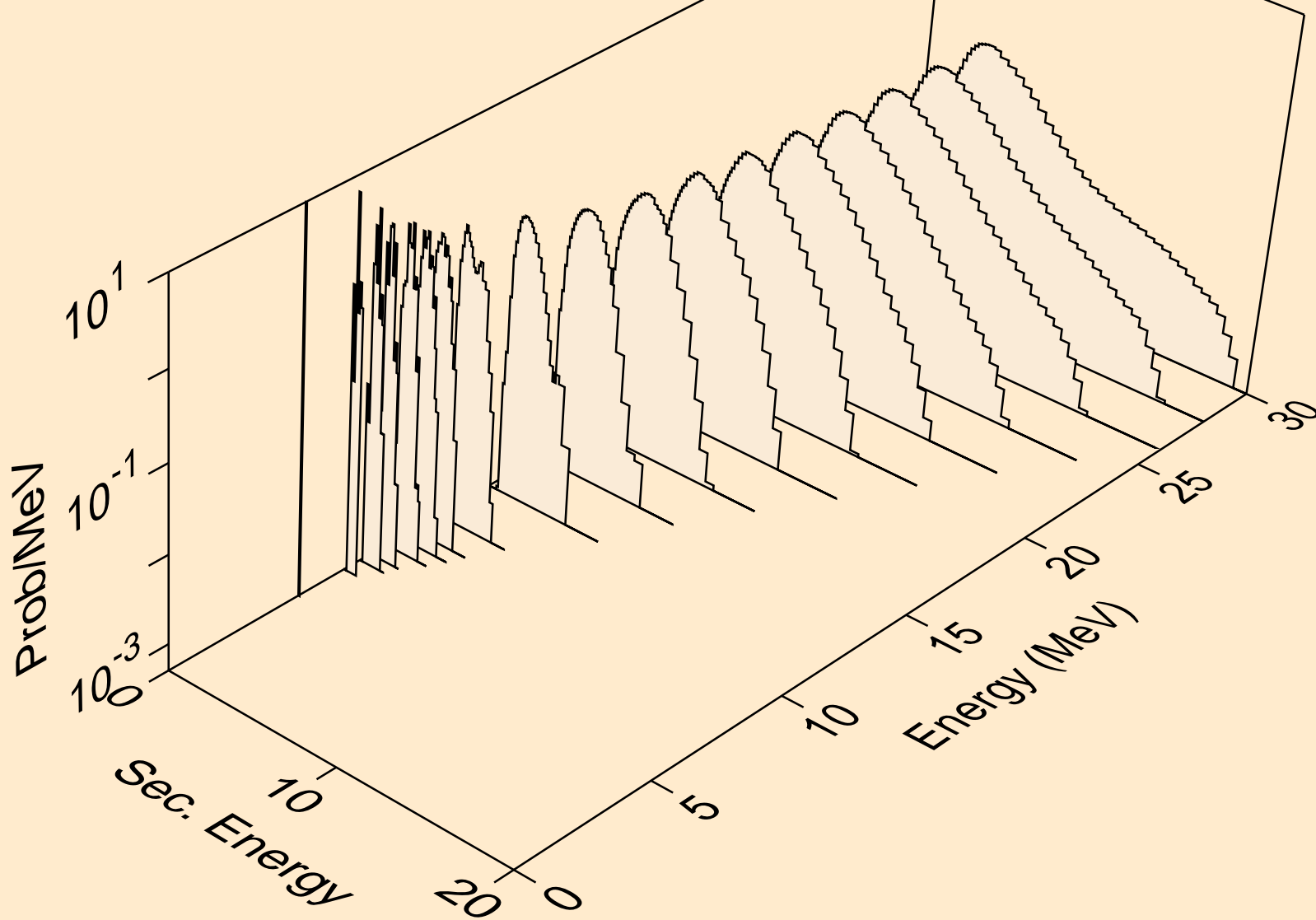


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protons from (n,2p)

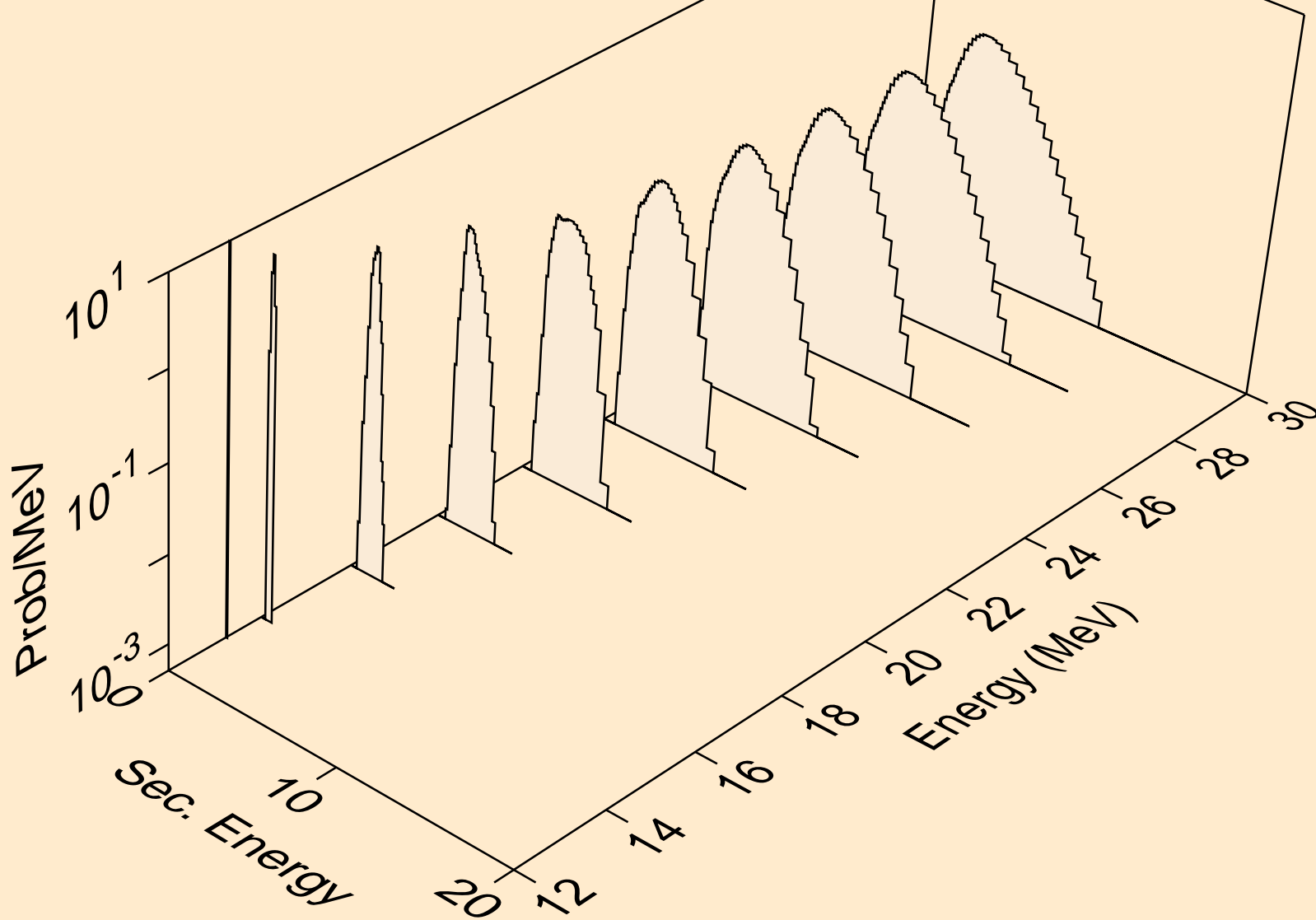




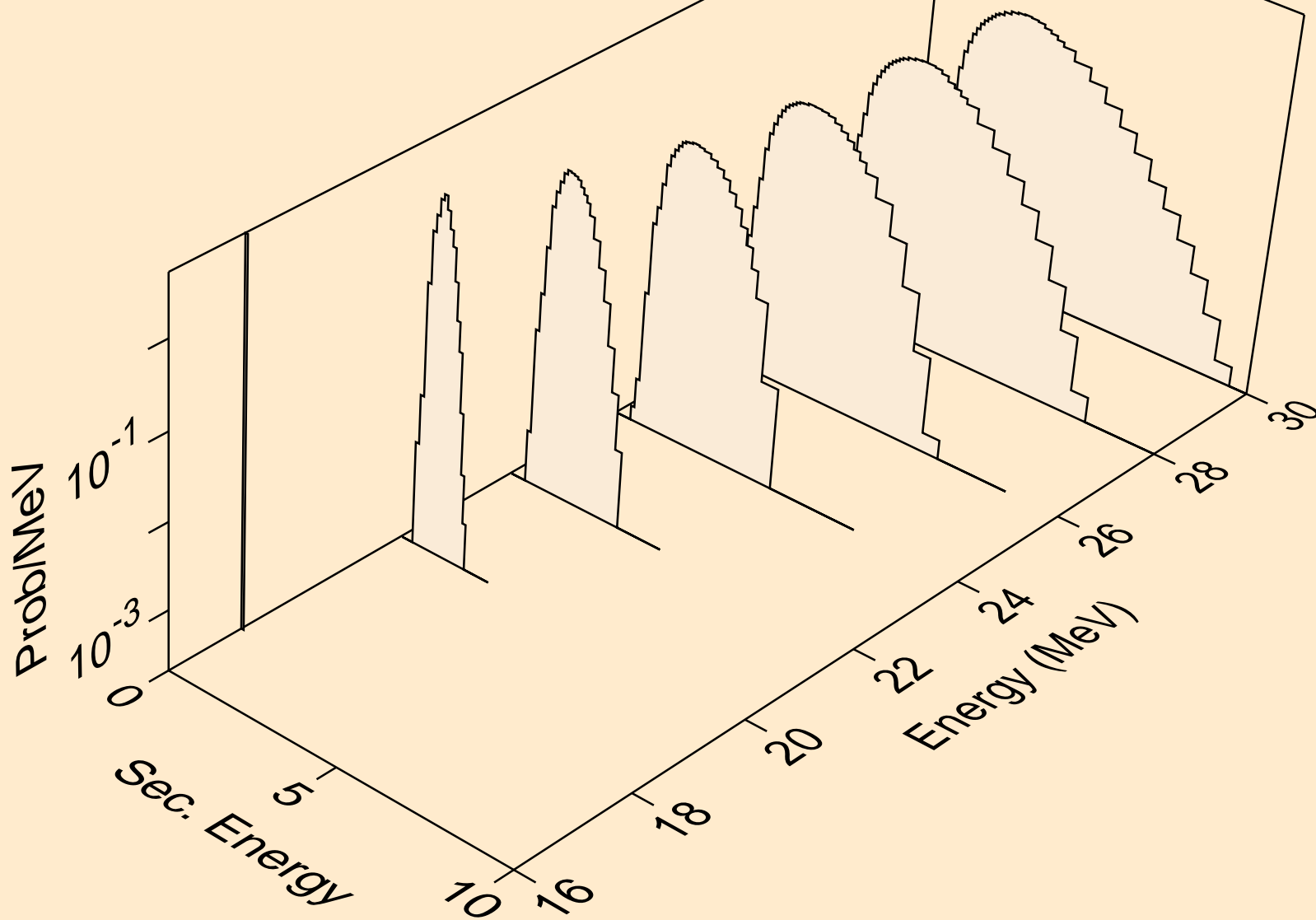
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



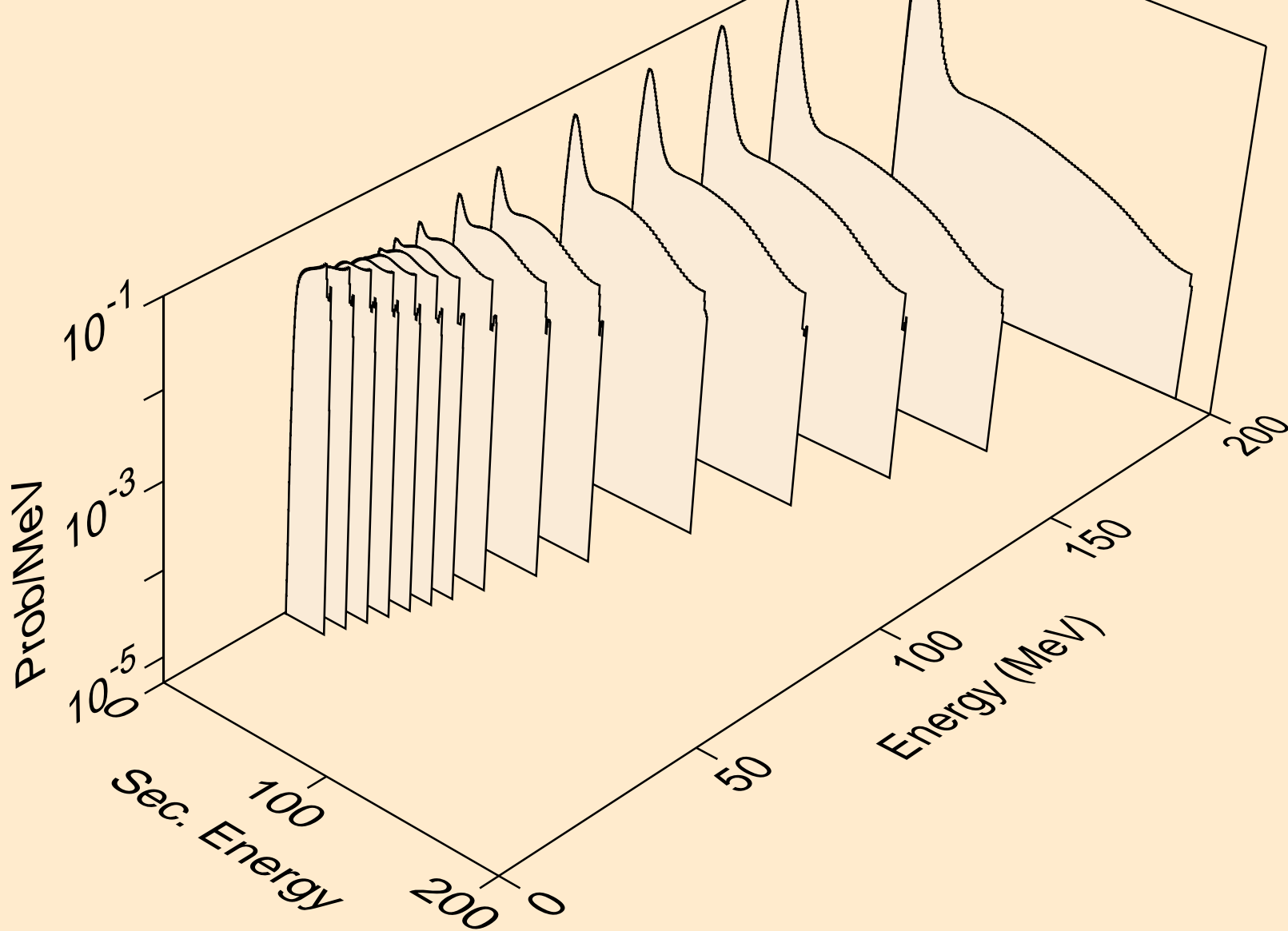
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pd)



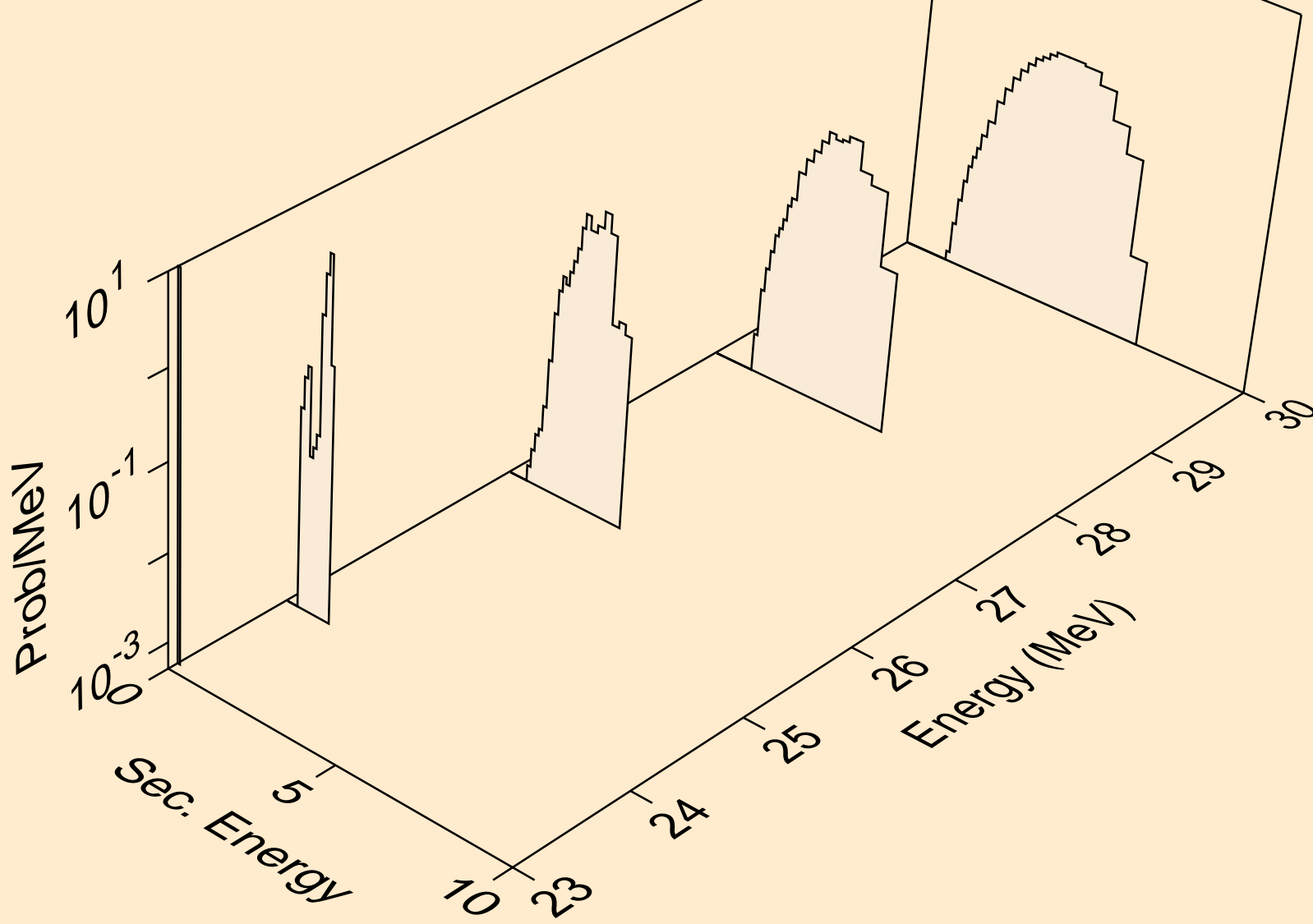
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pt)



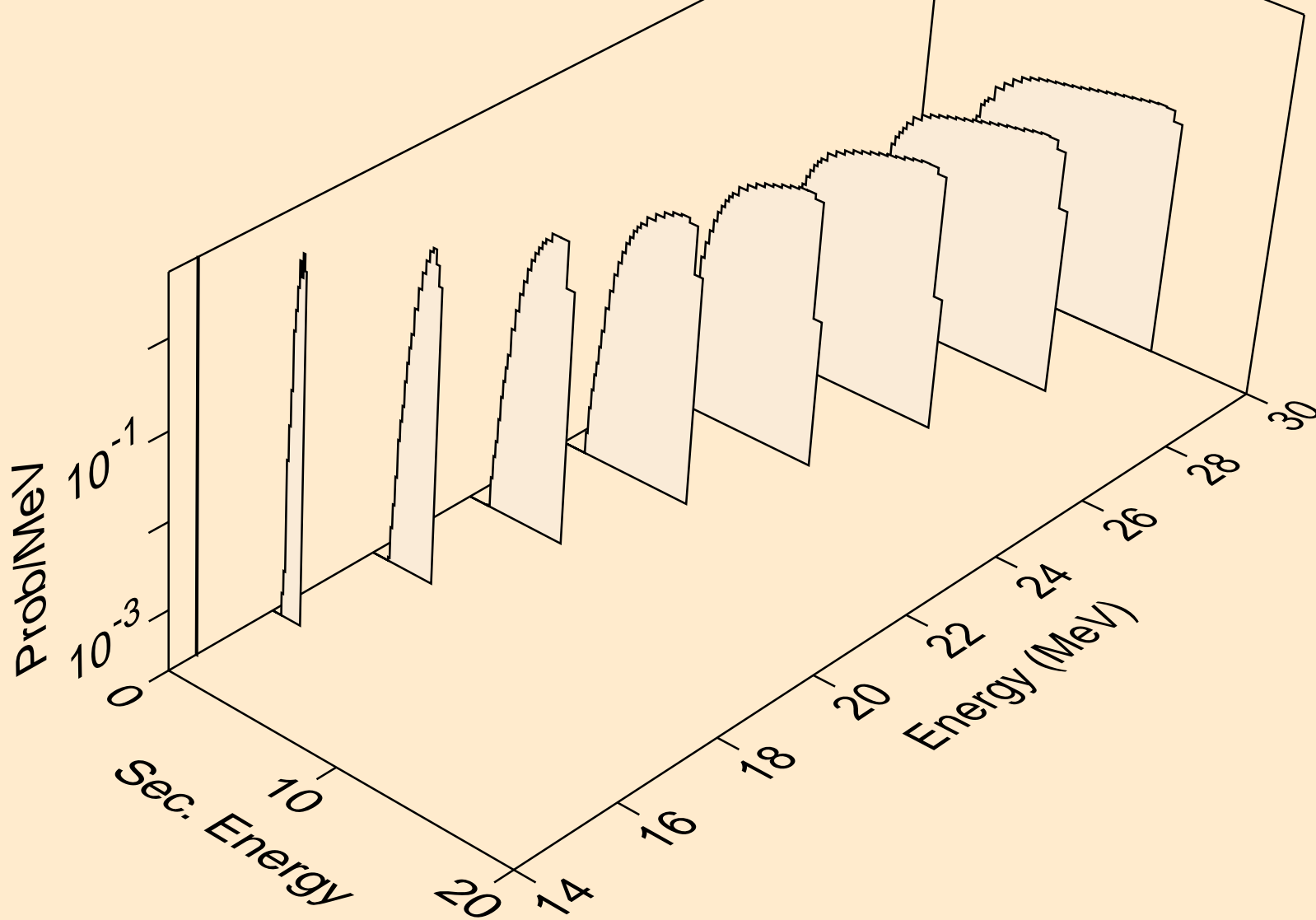
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deuterons from (n,x)



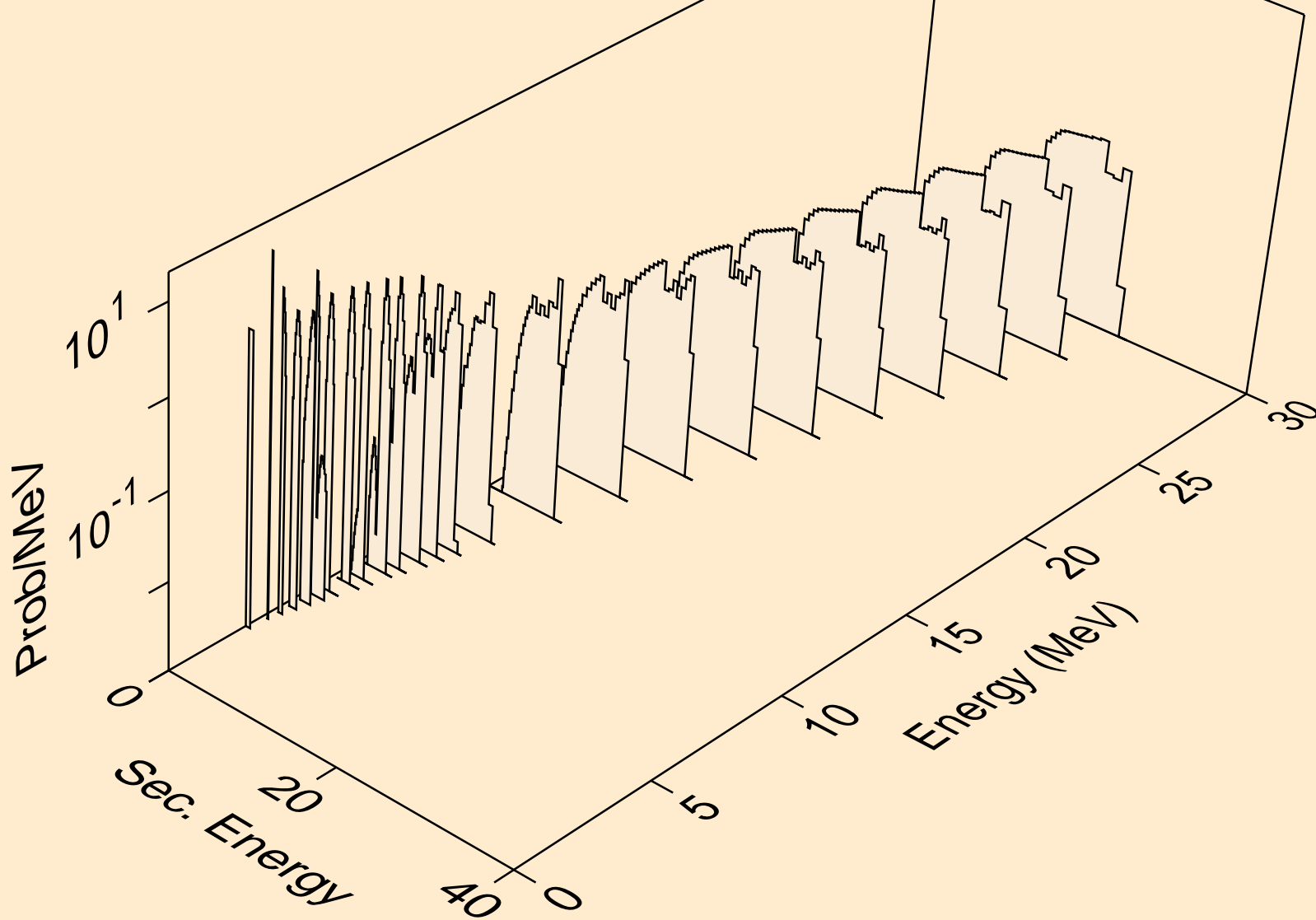
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deuterons from (n,2nd)



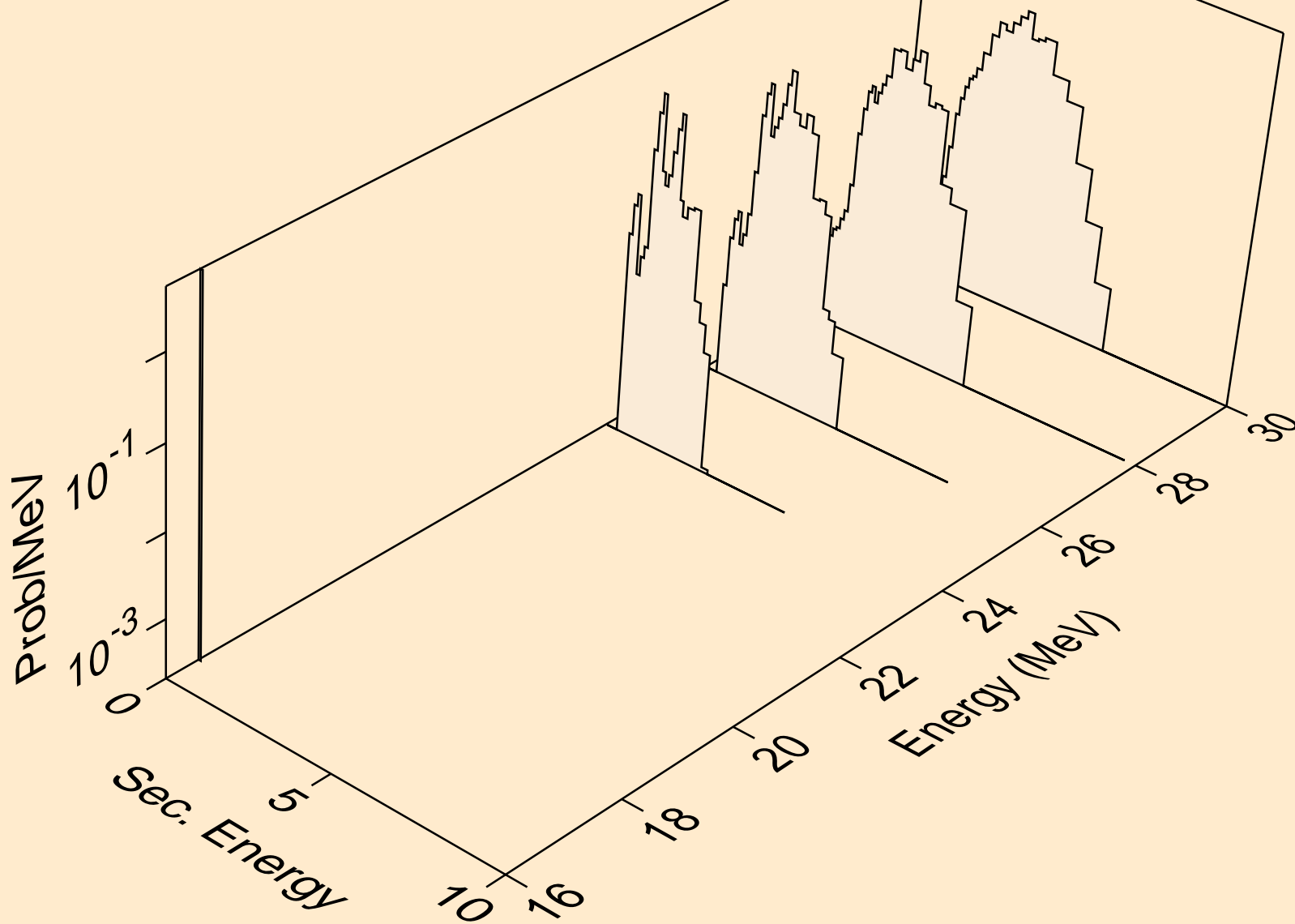
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d



SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)

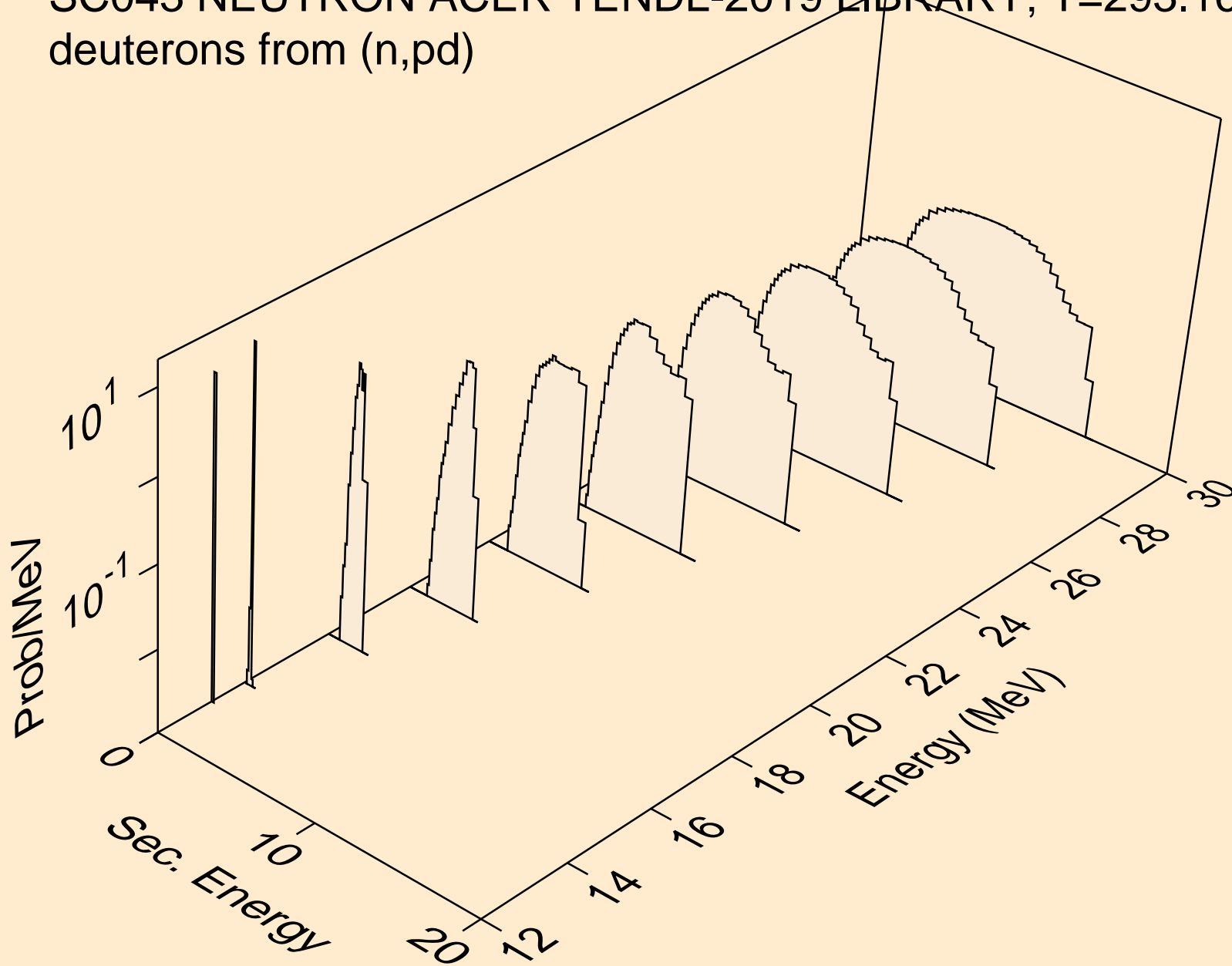


SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d2a)

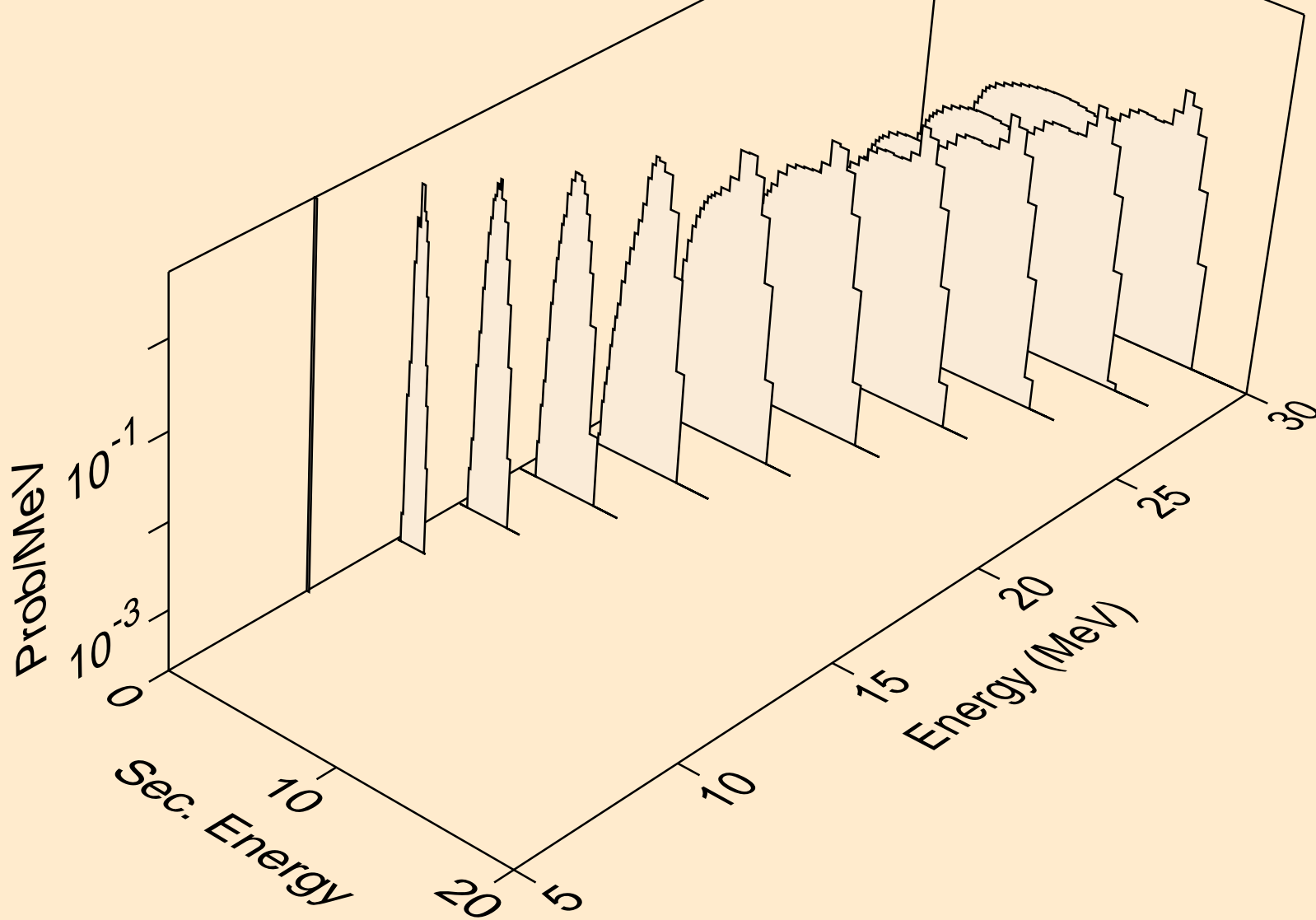




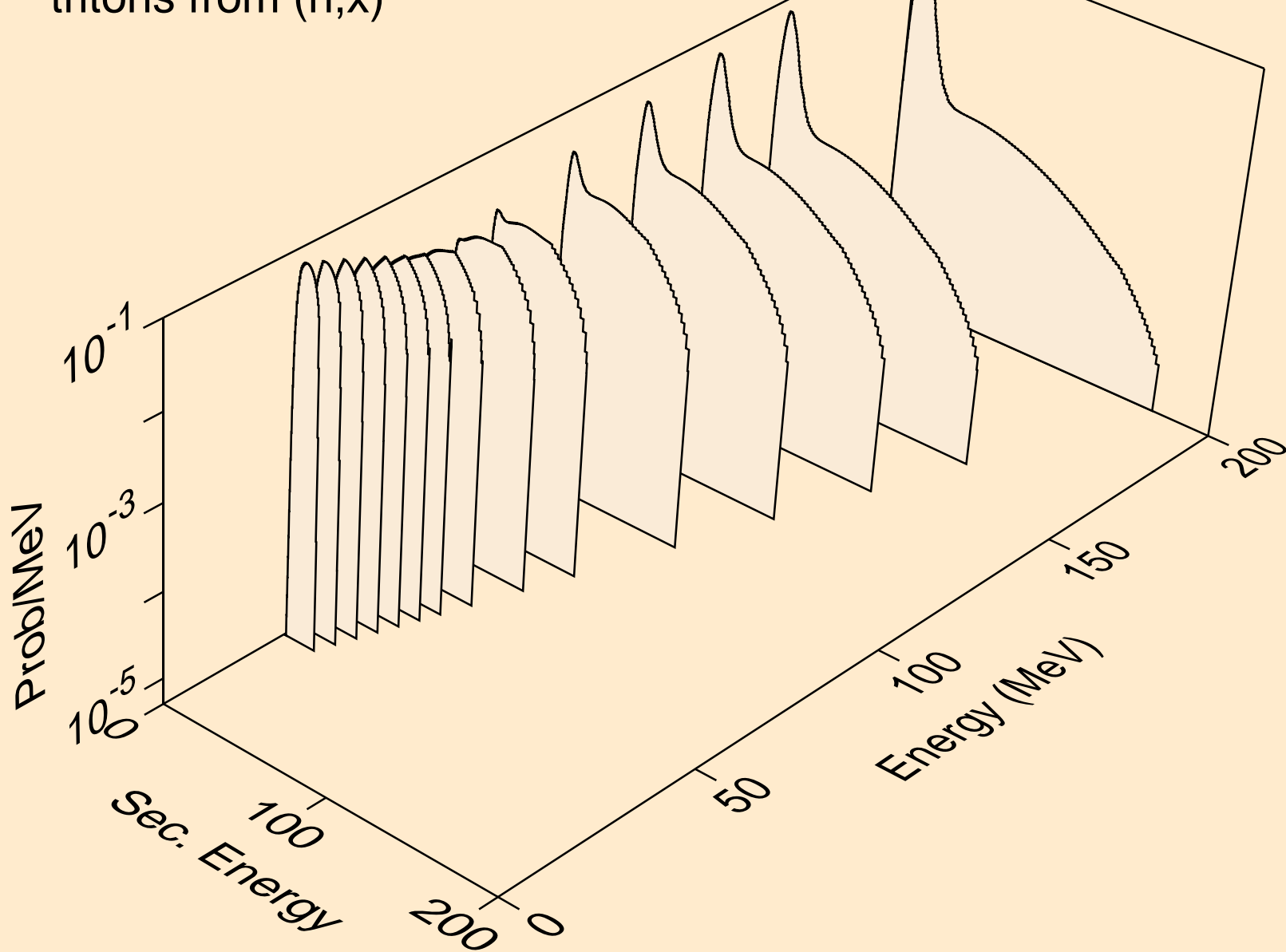
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deuterons from (n,pd)



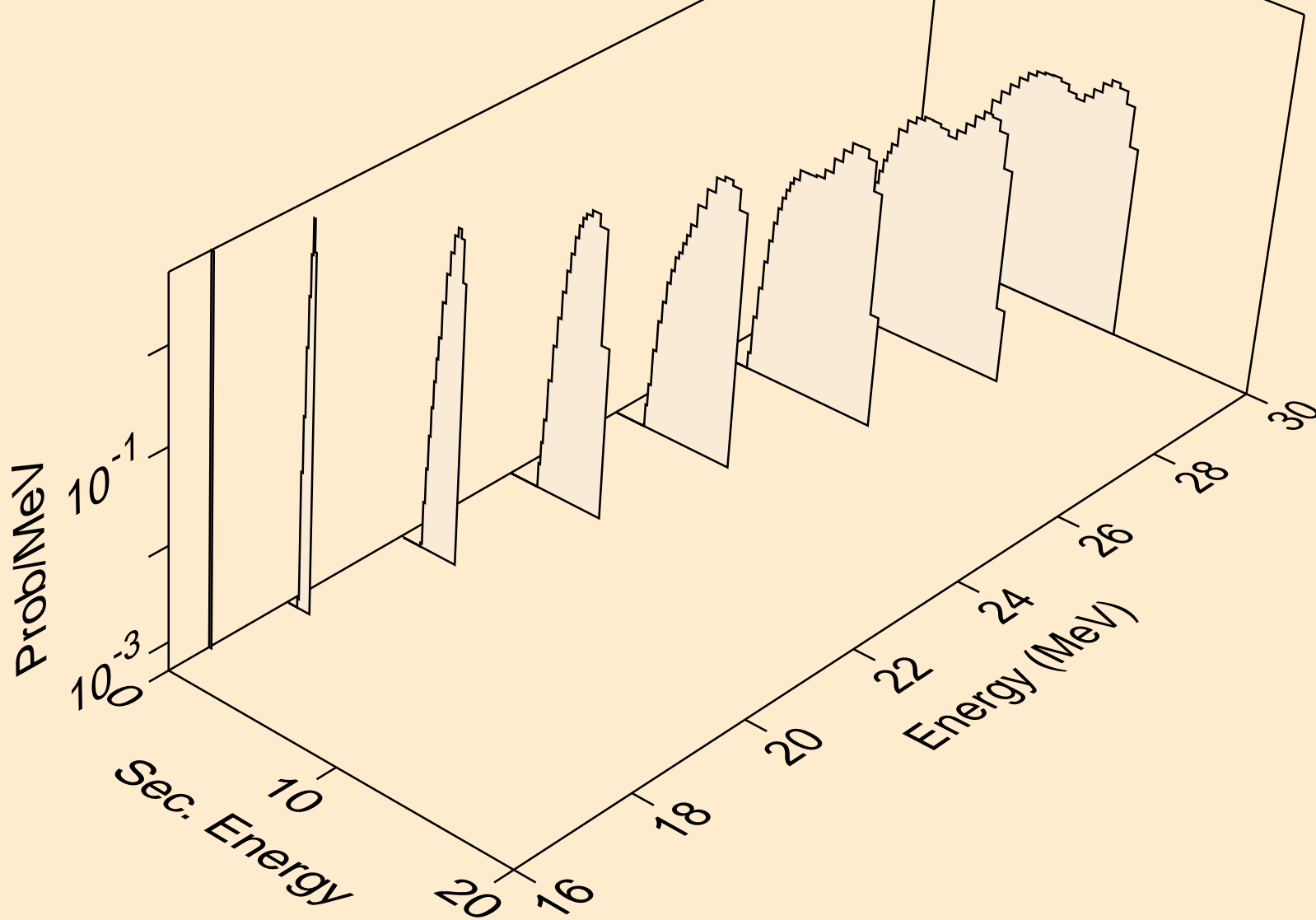
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deuterons from (n,da)



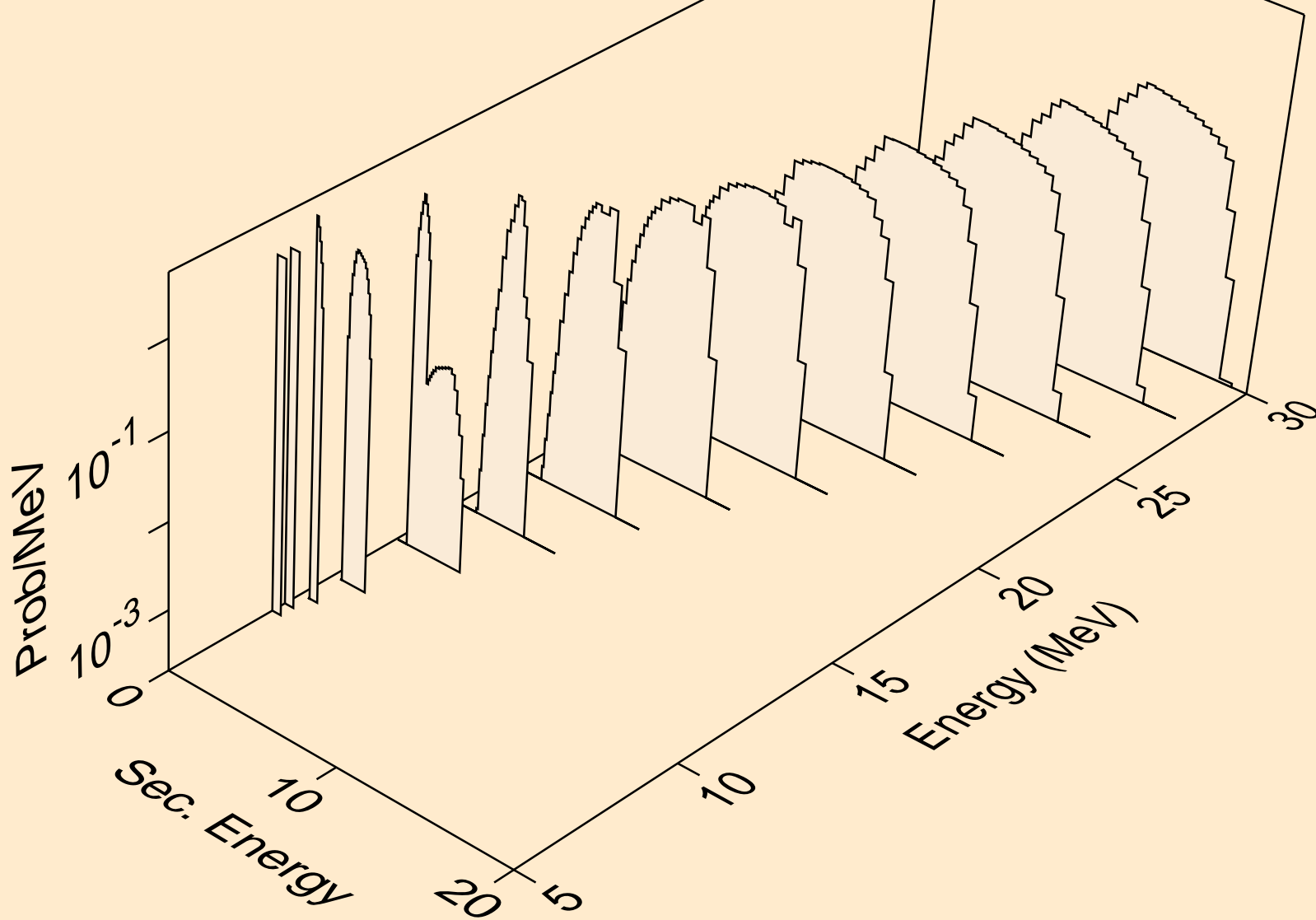
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tritons from (n,x)



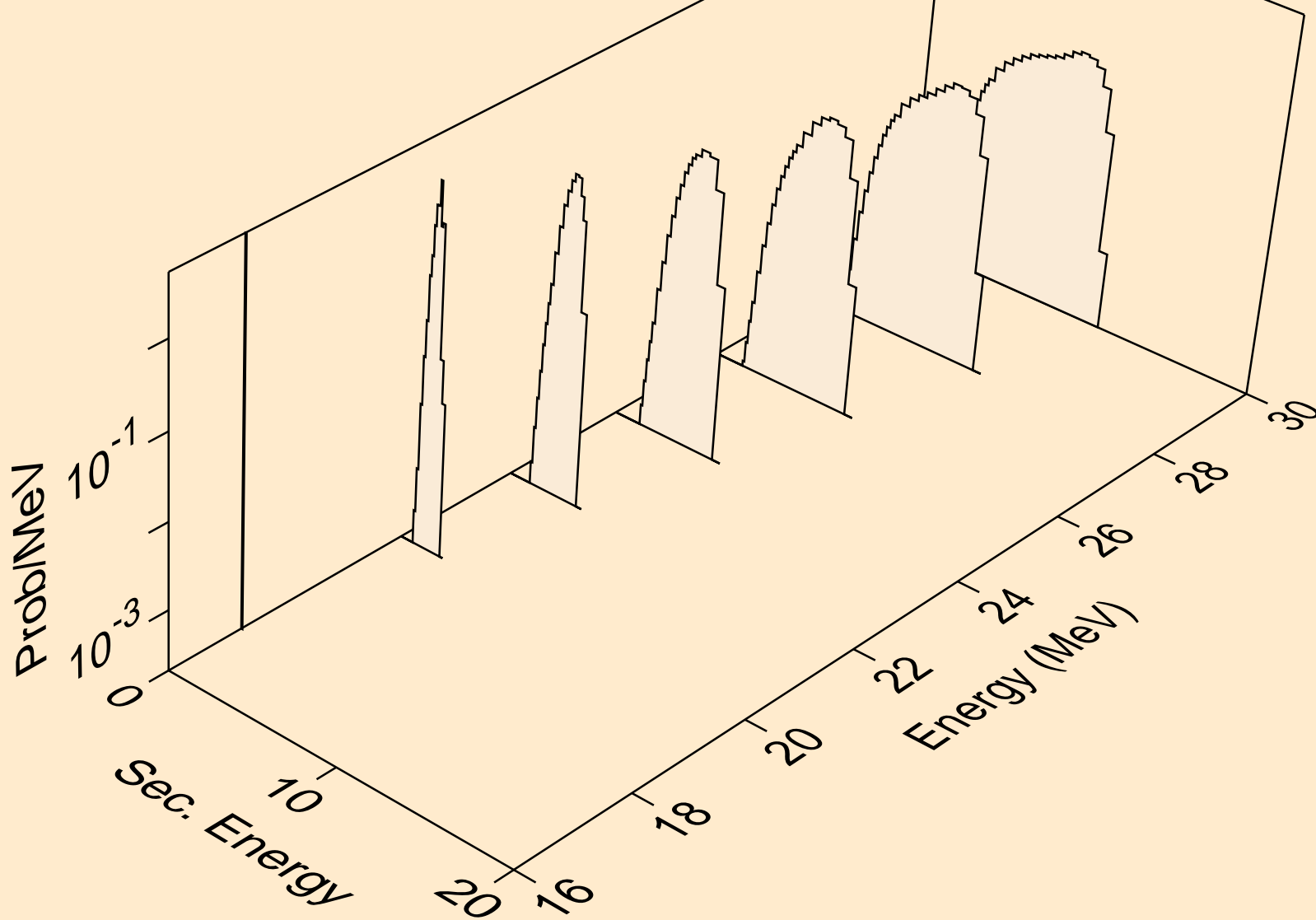
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tritons from (n,n\*)t



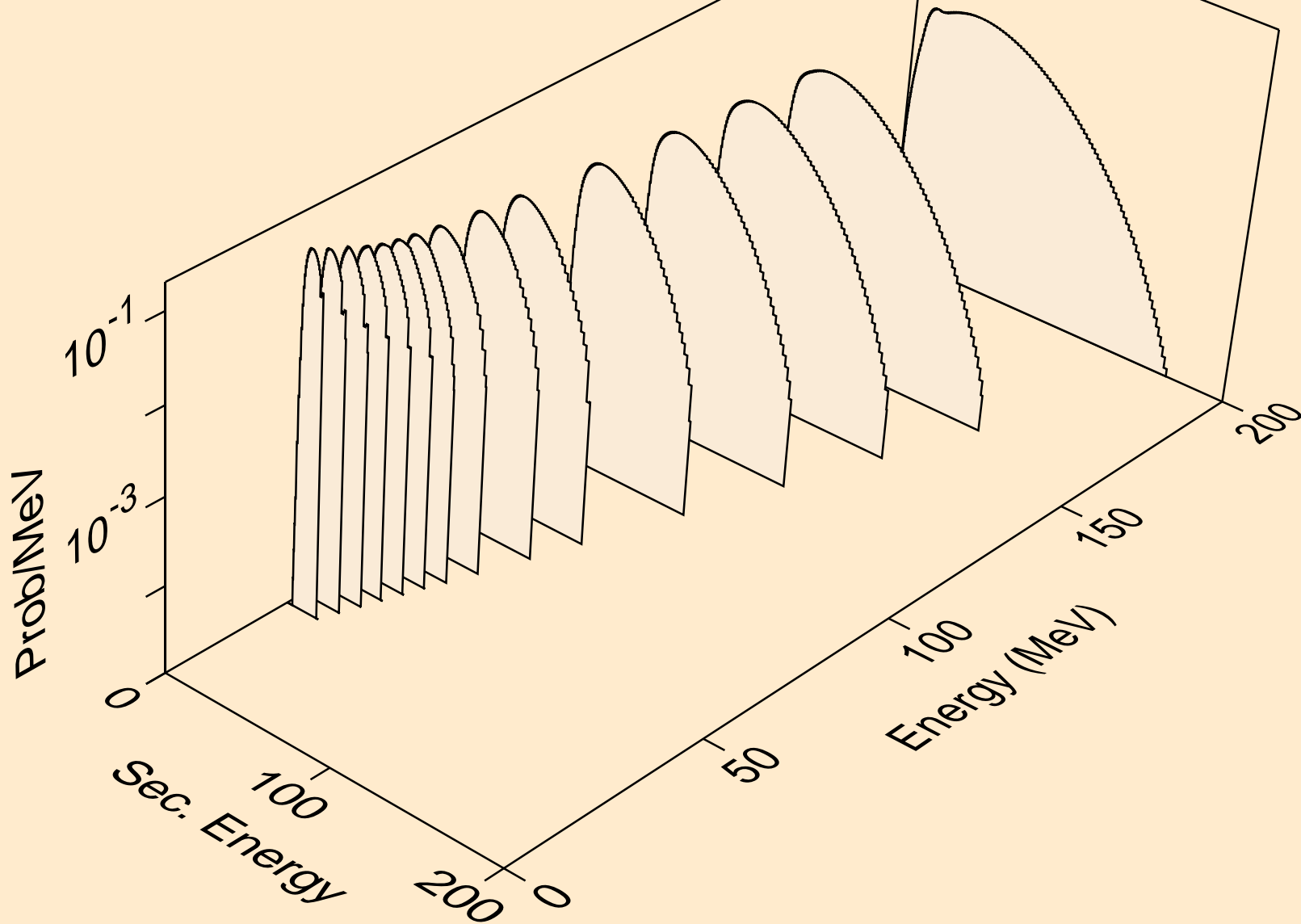
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tritons from (n,t)



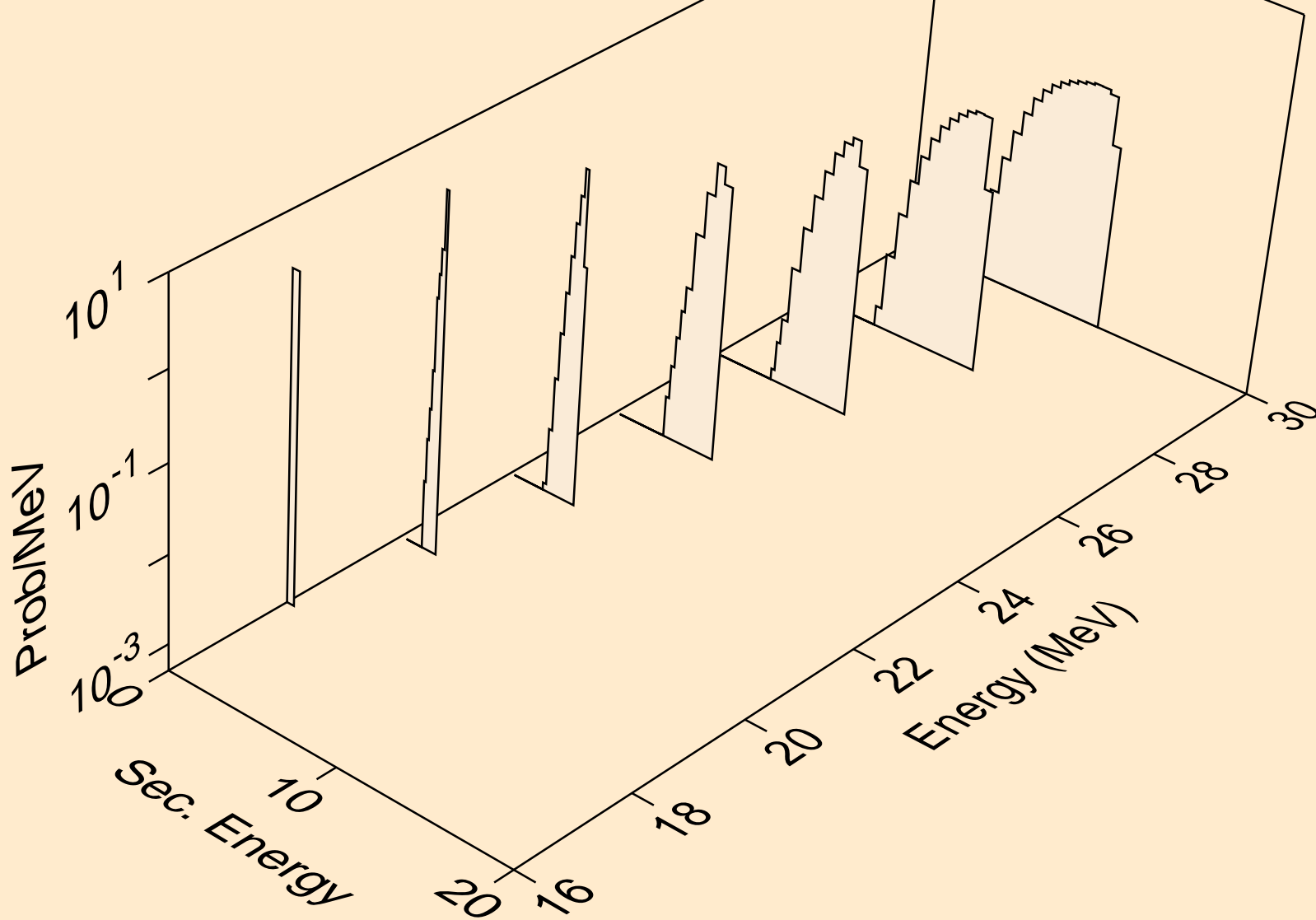
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,pt)



SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)

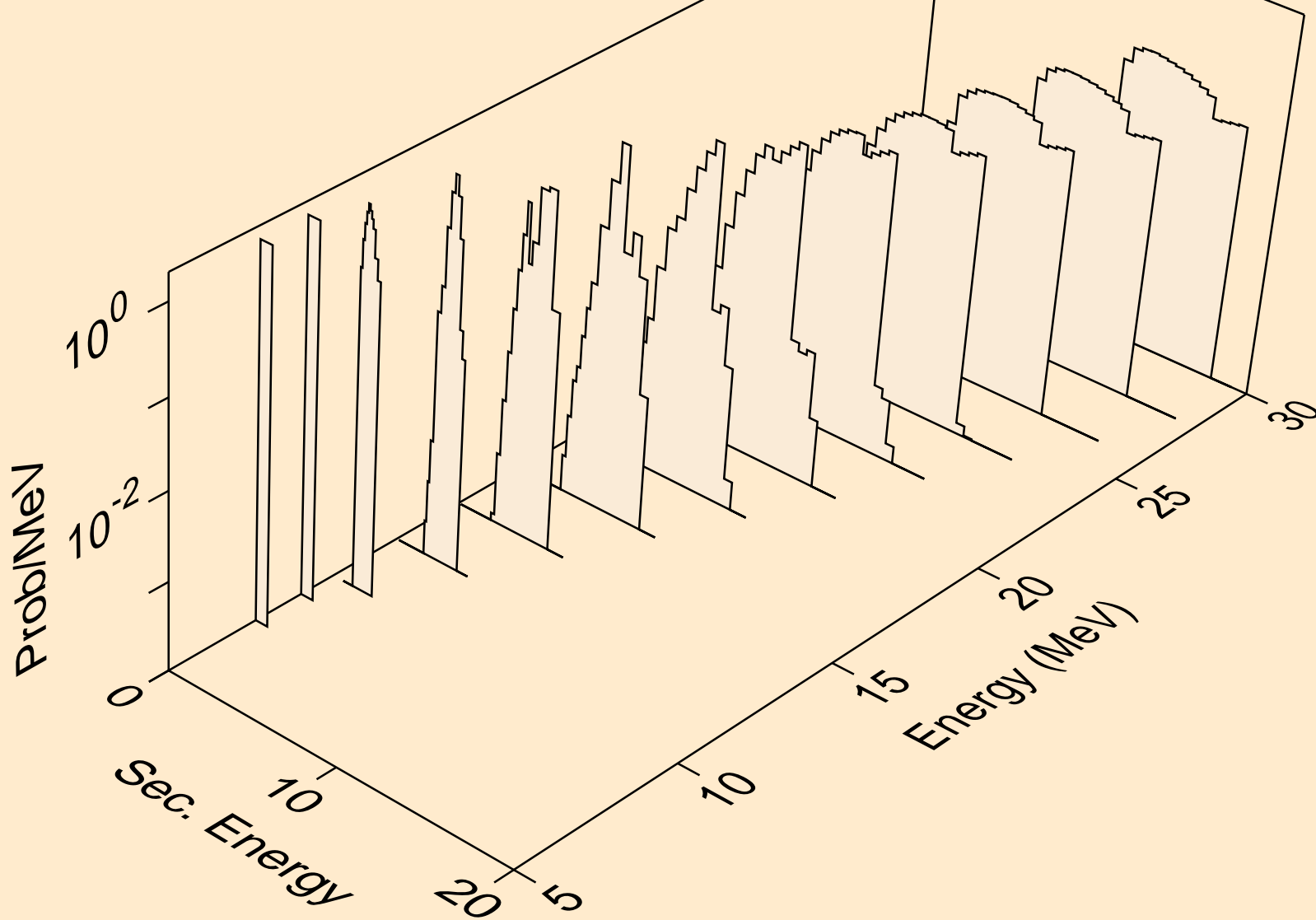


SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3

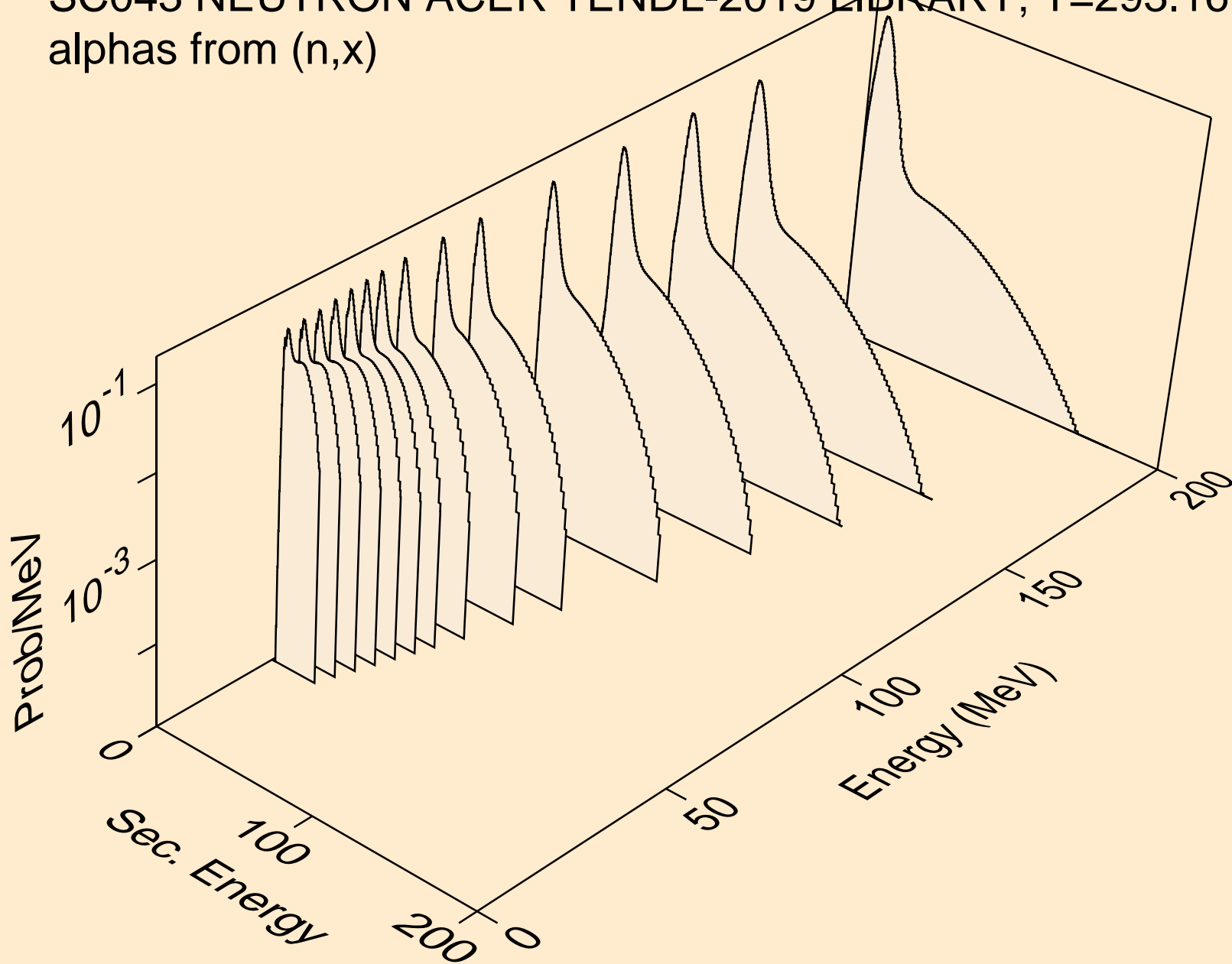




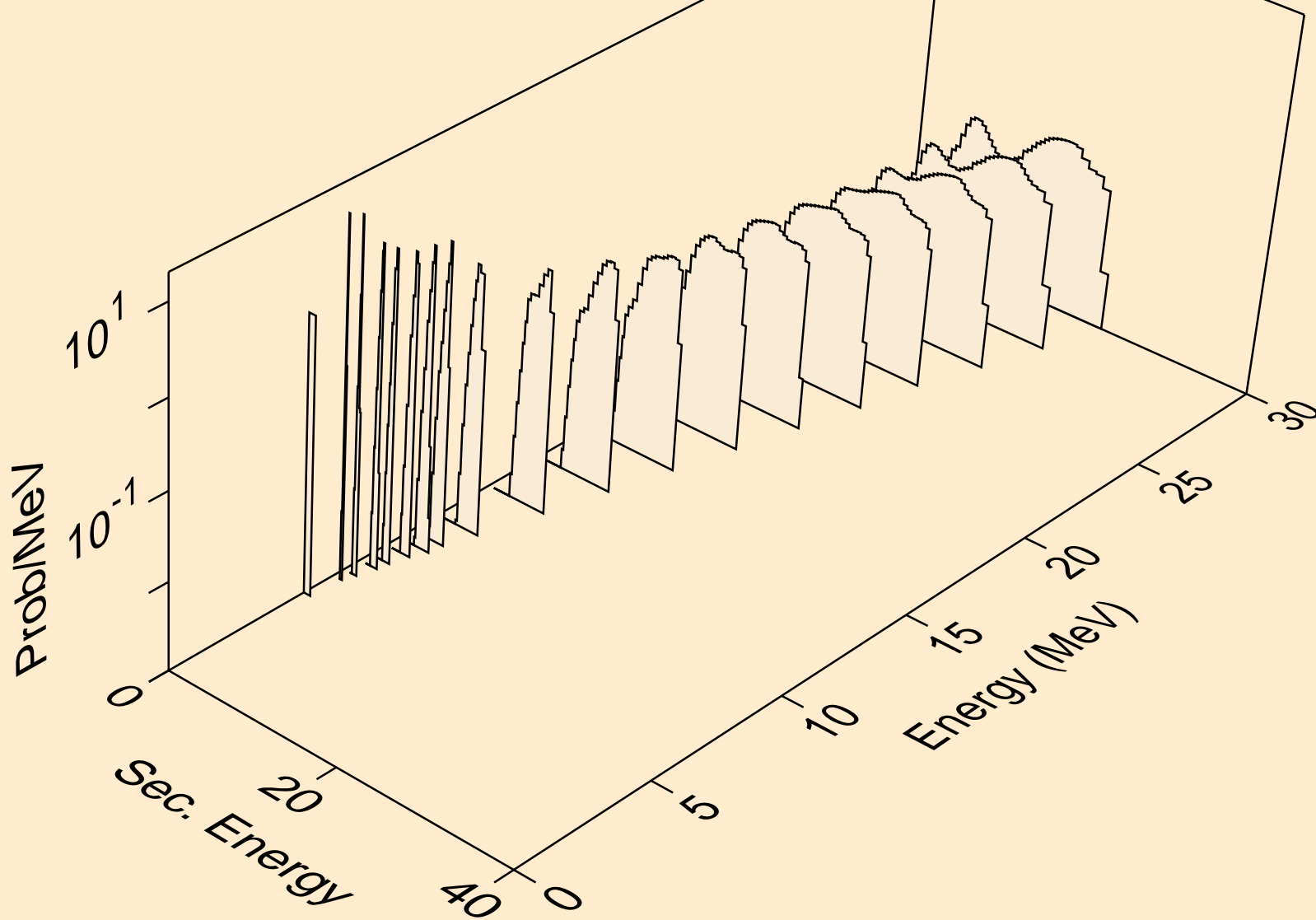
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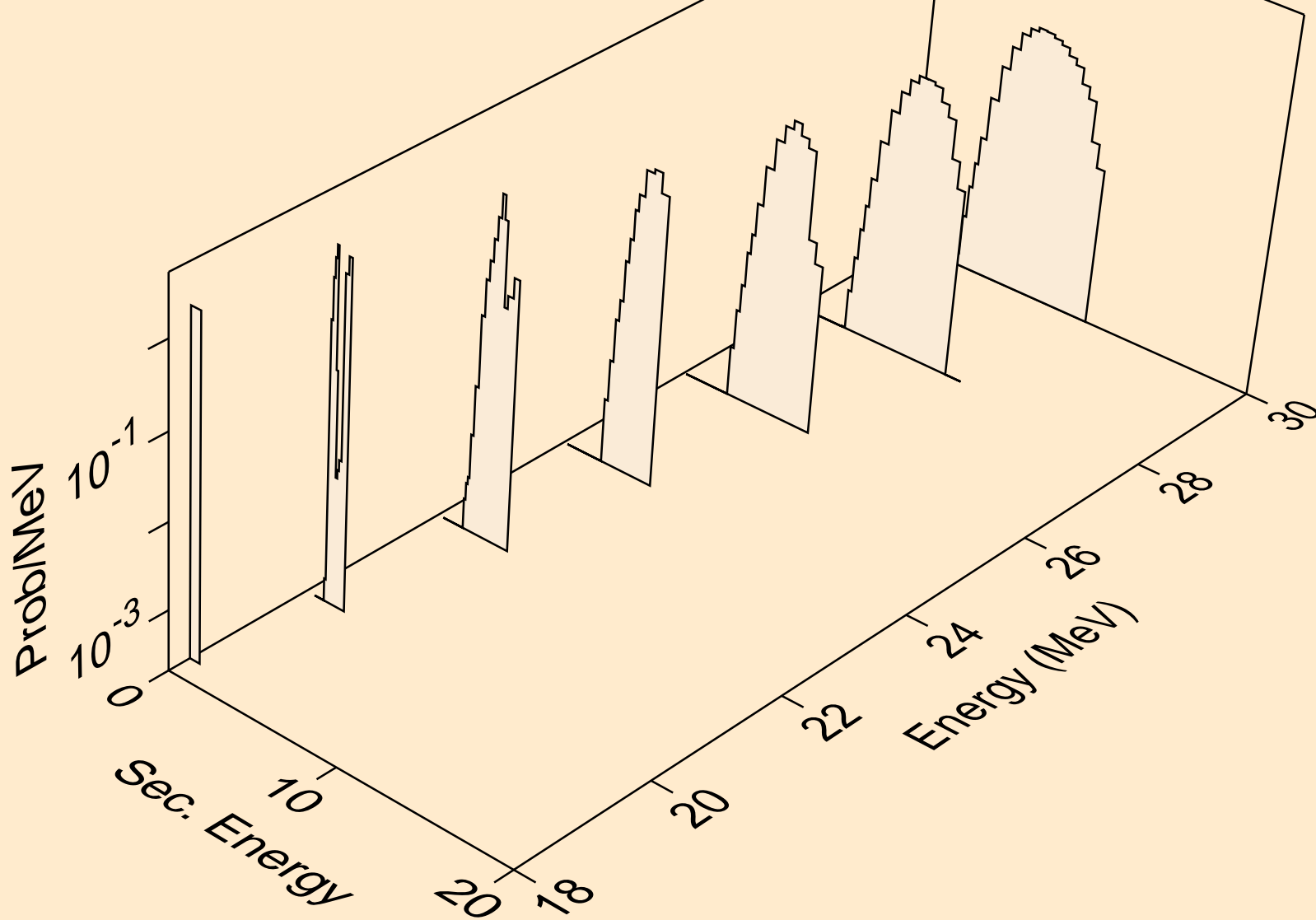
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)



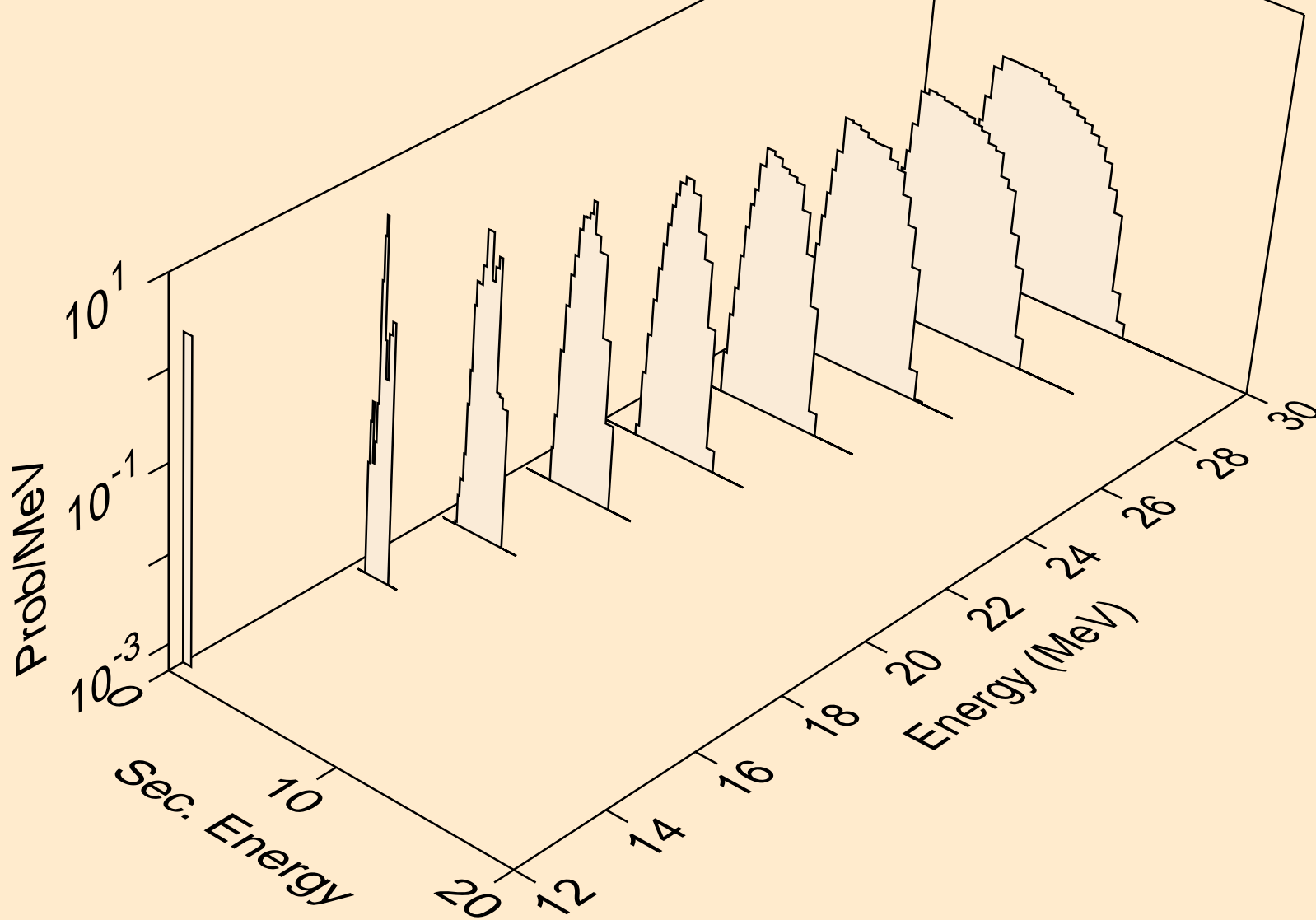
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



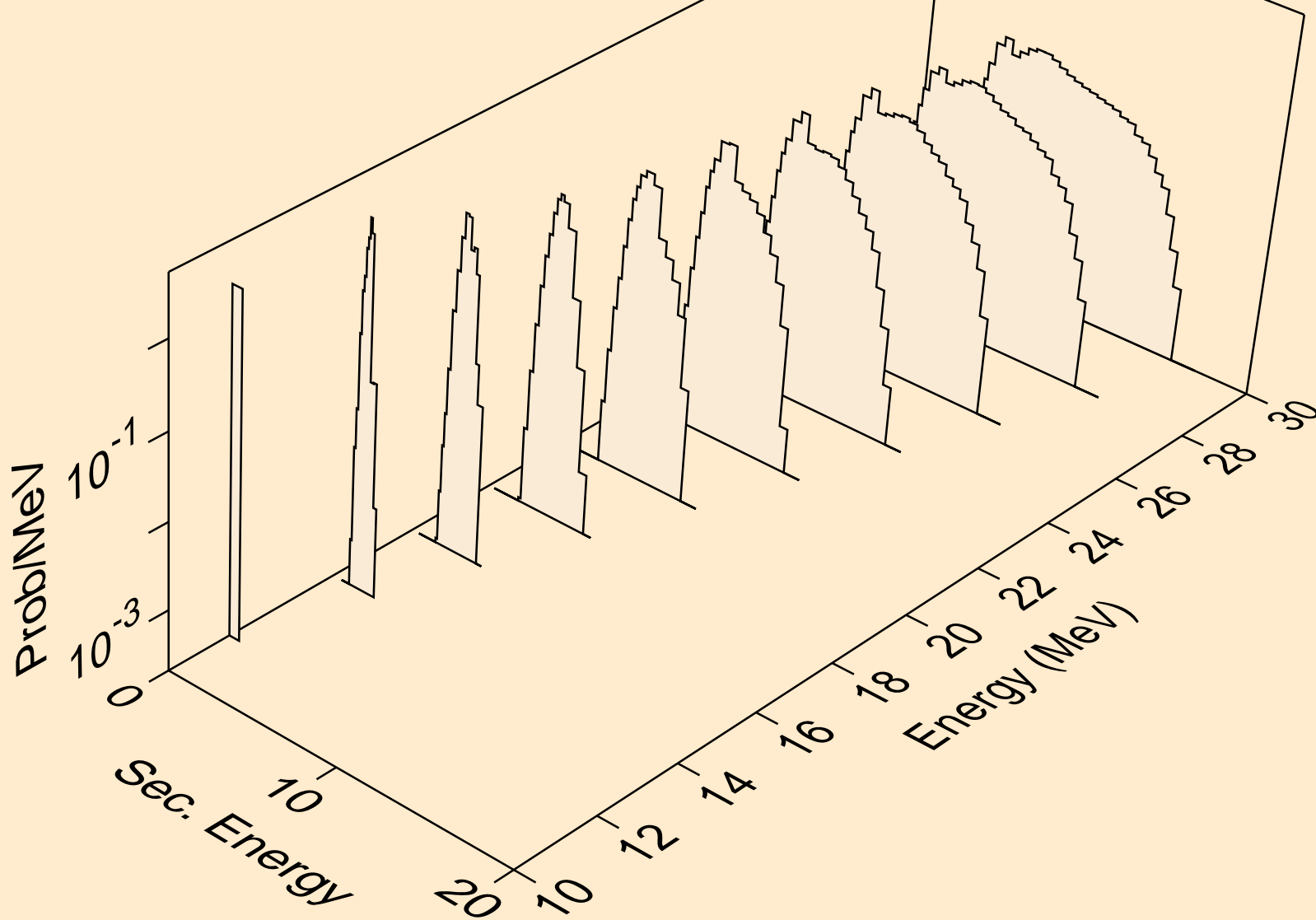
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



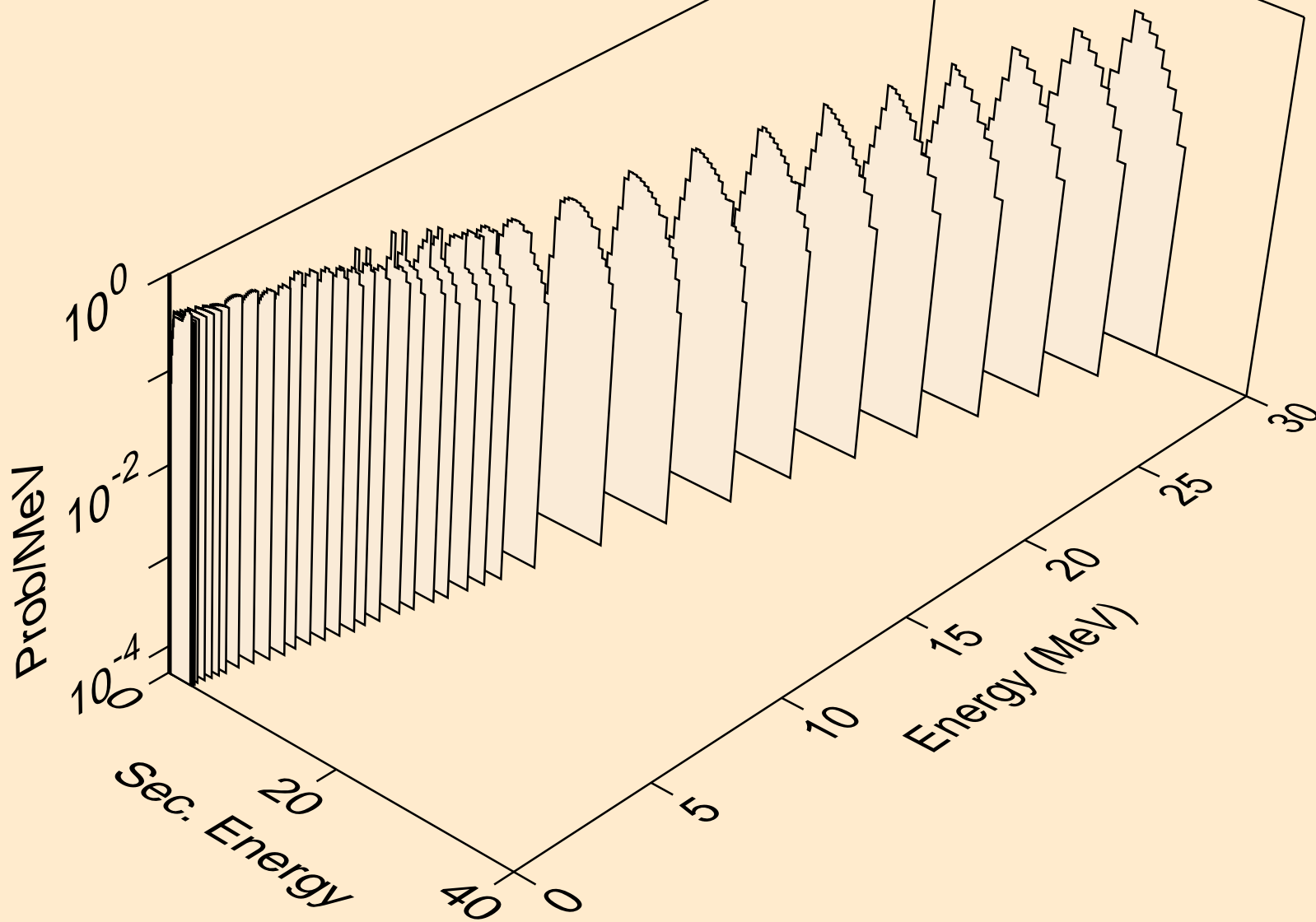
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a



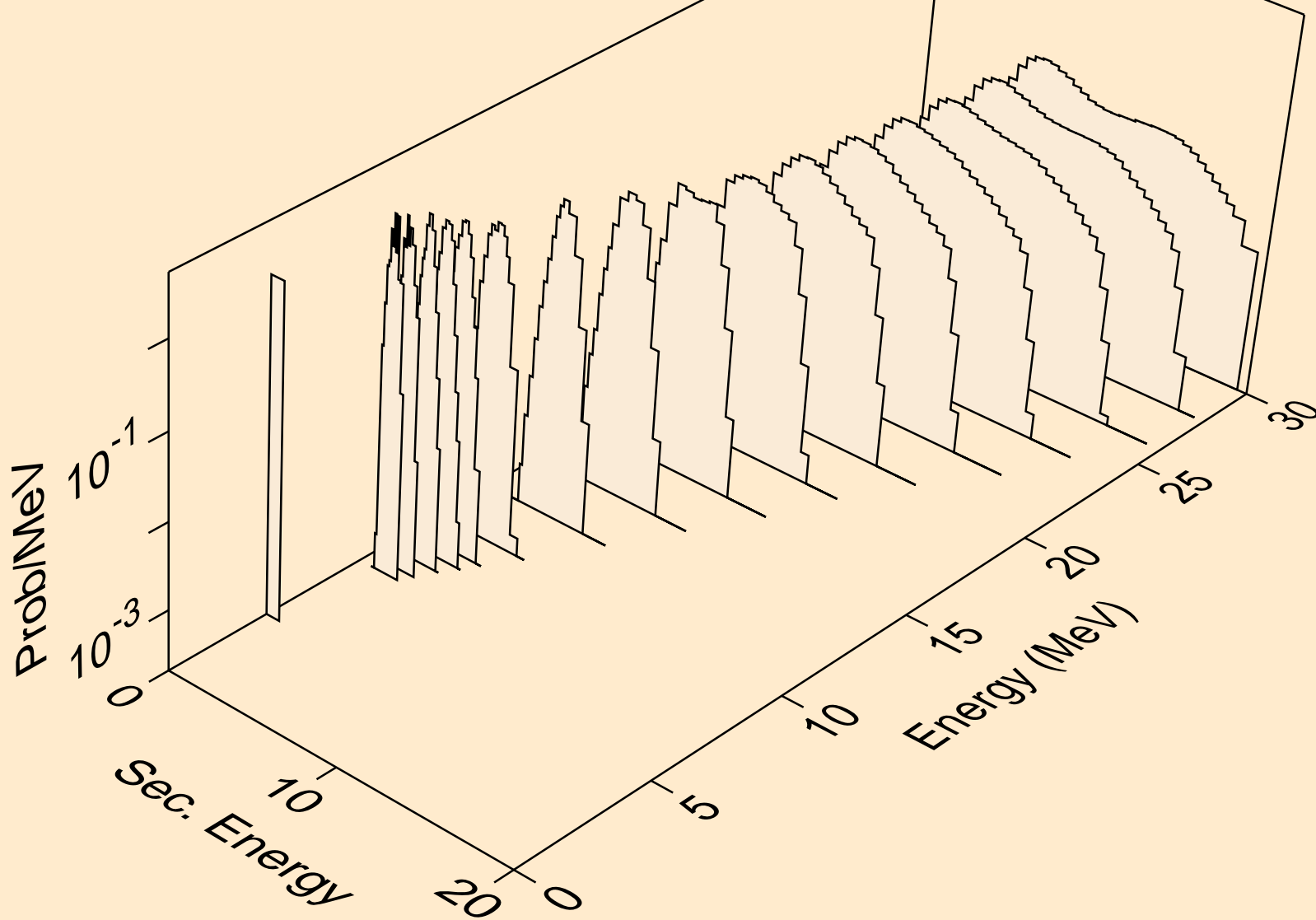
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)



SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)

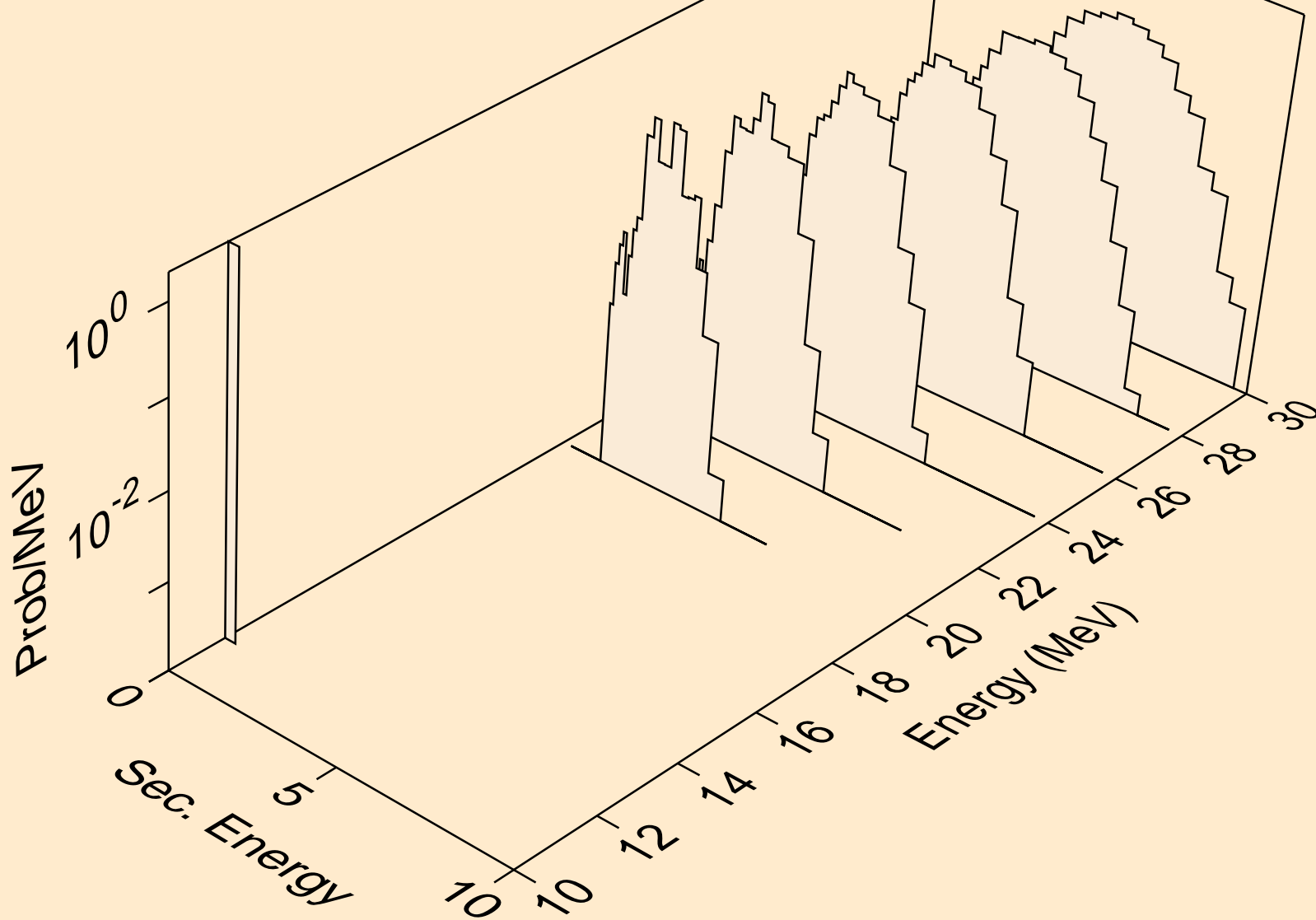


SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)

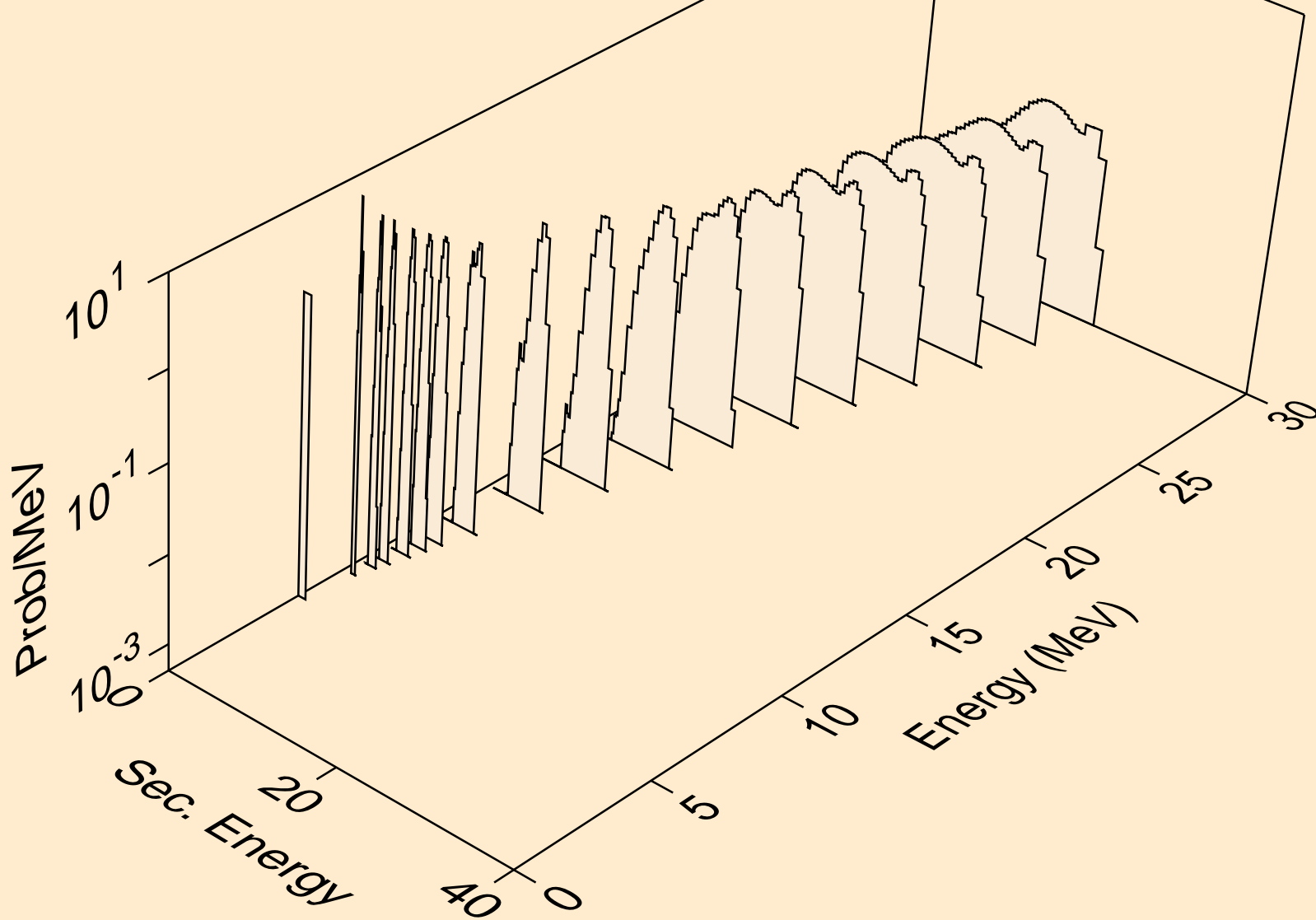




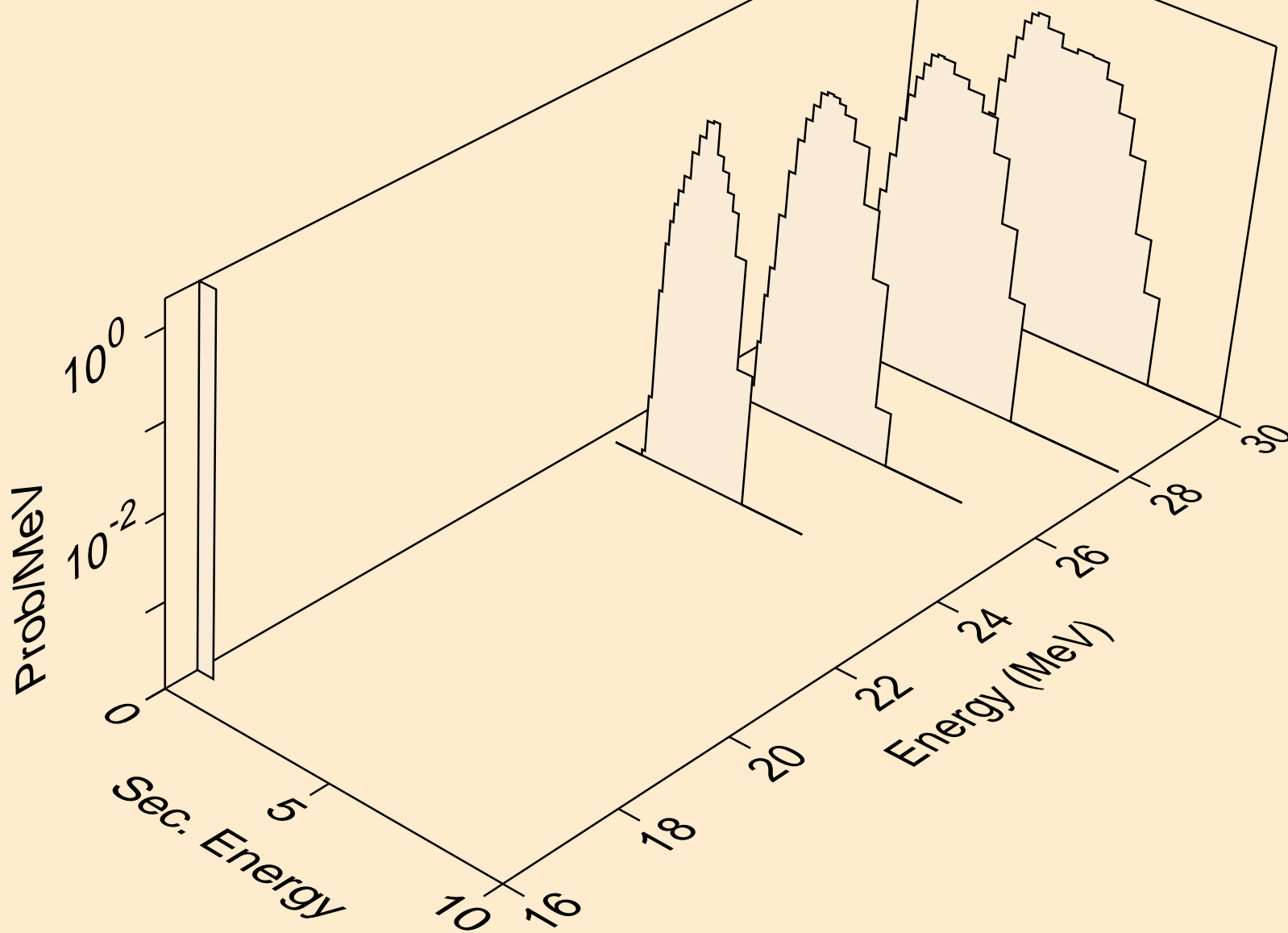
SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3a)



SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,d2a)



SC043 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

