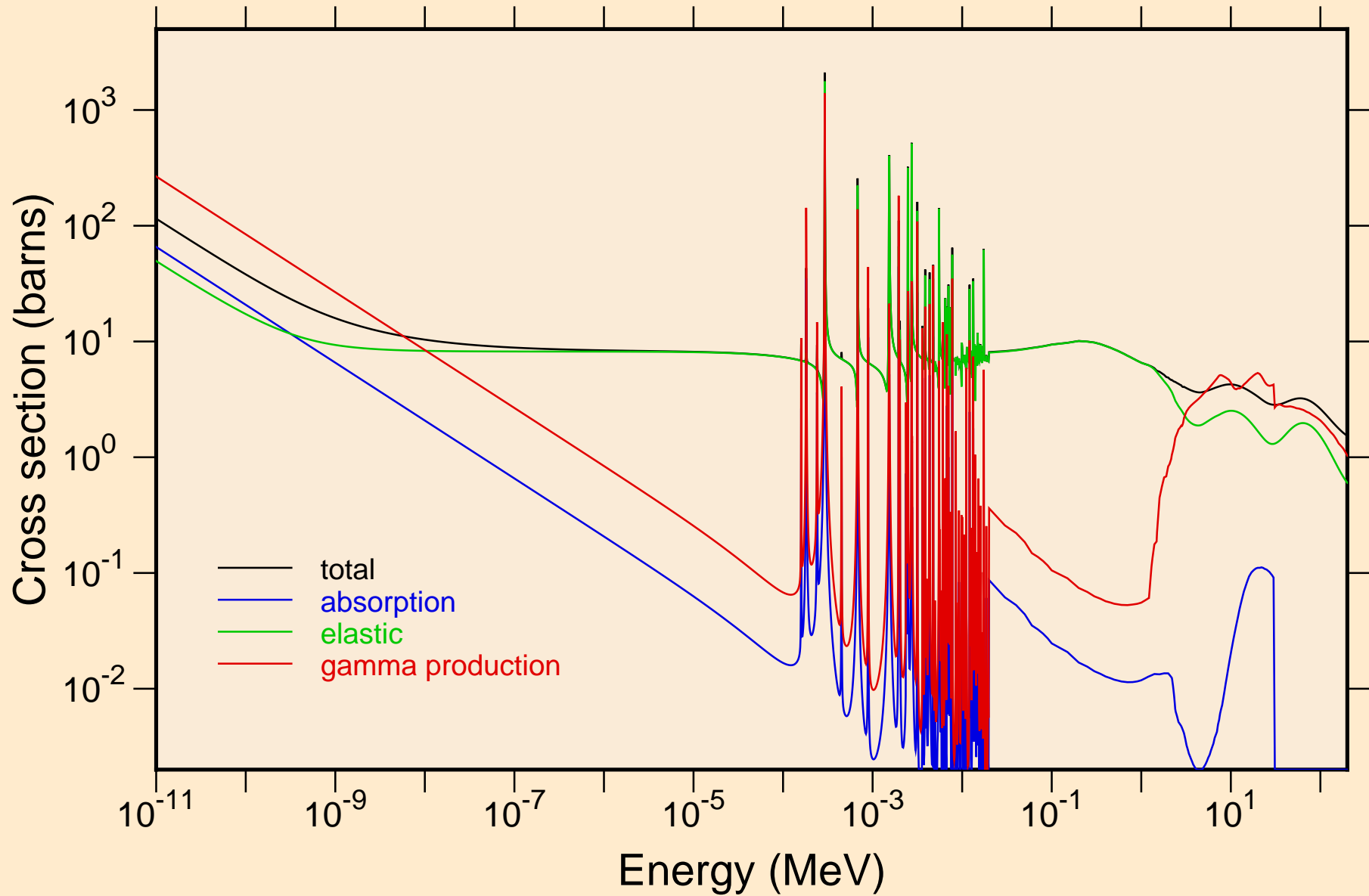
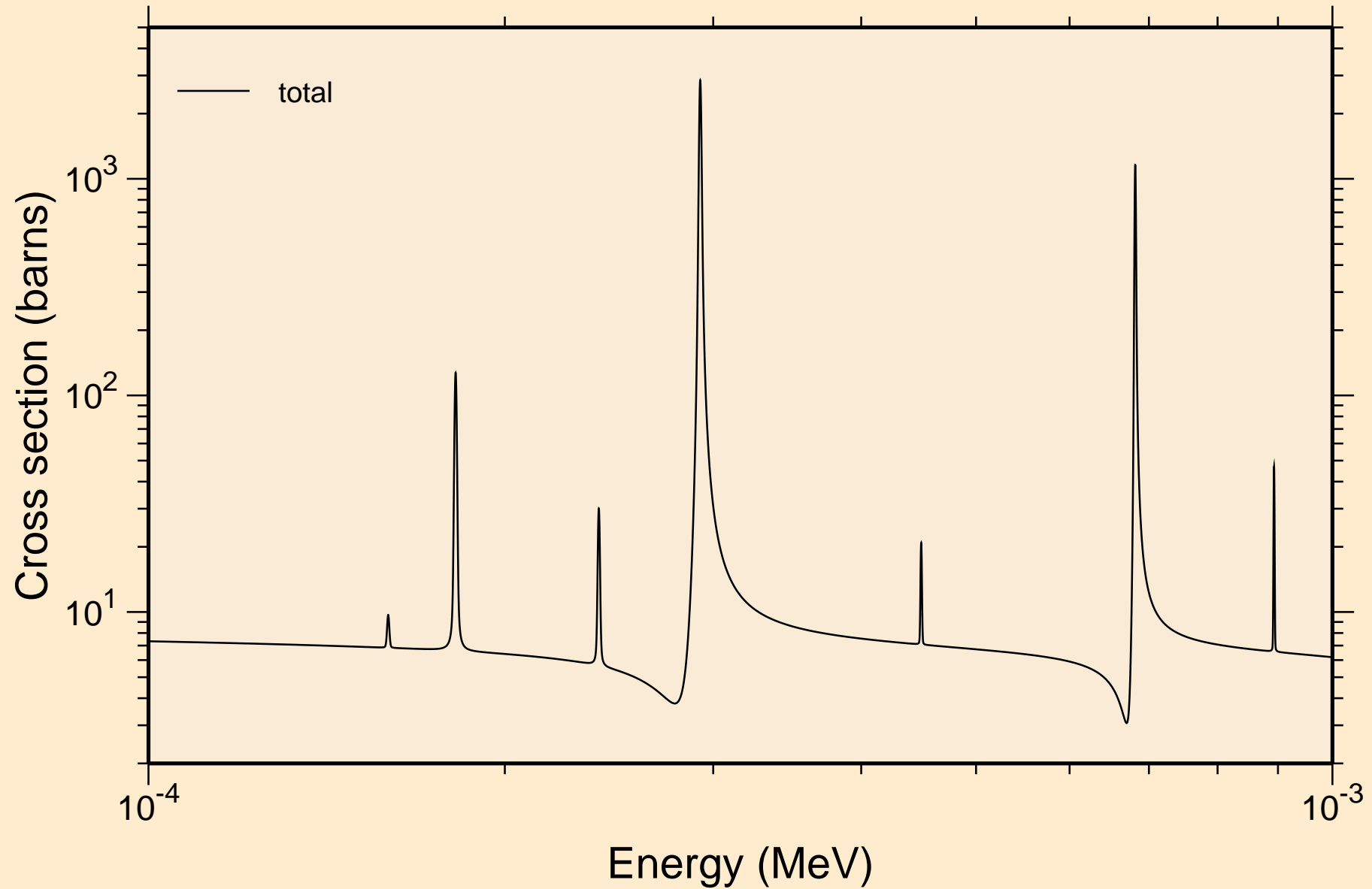


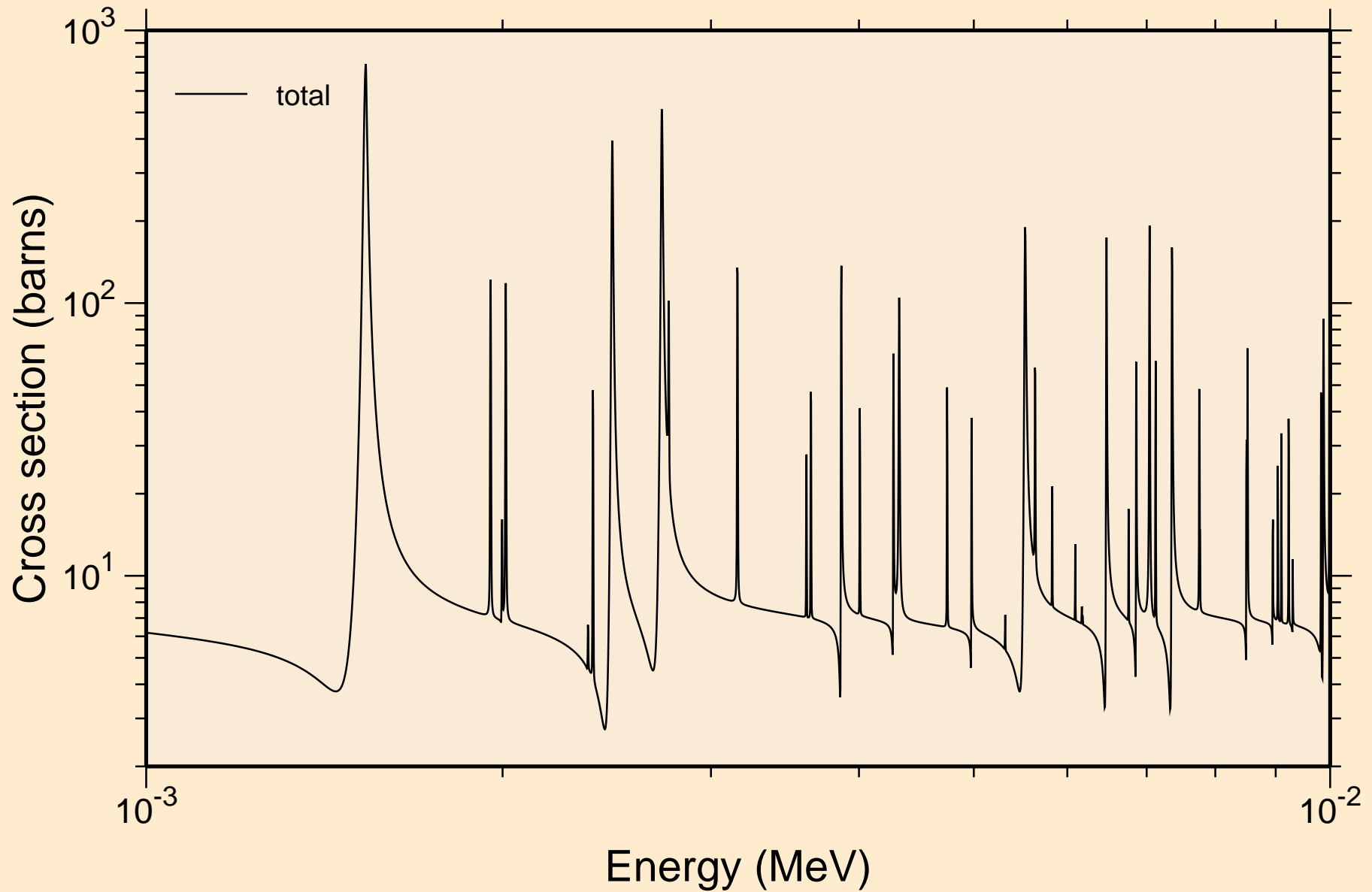
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections



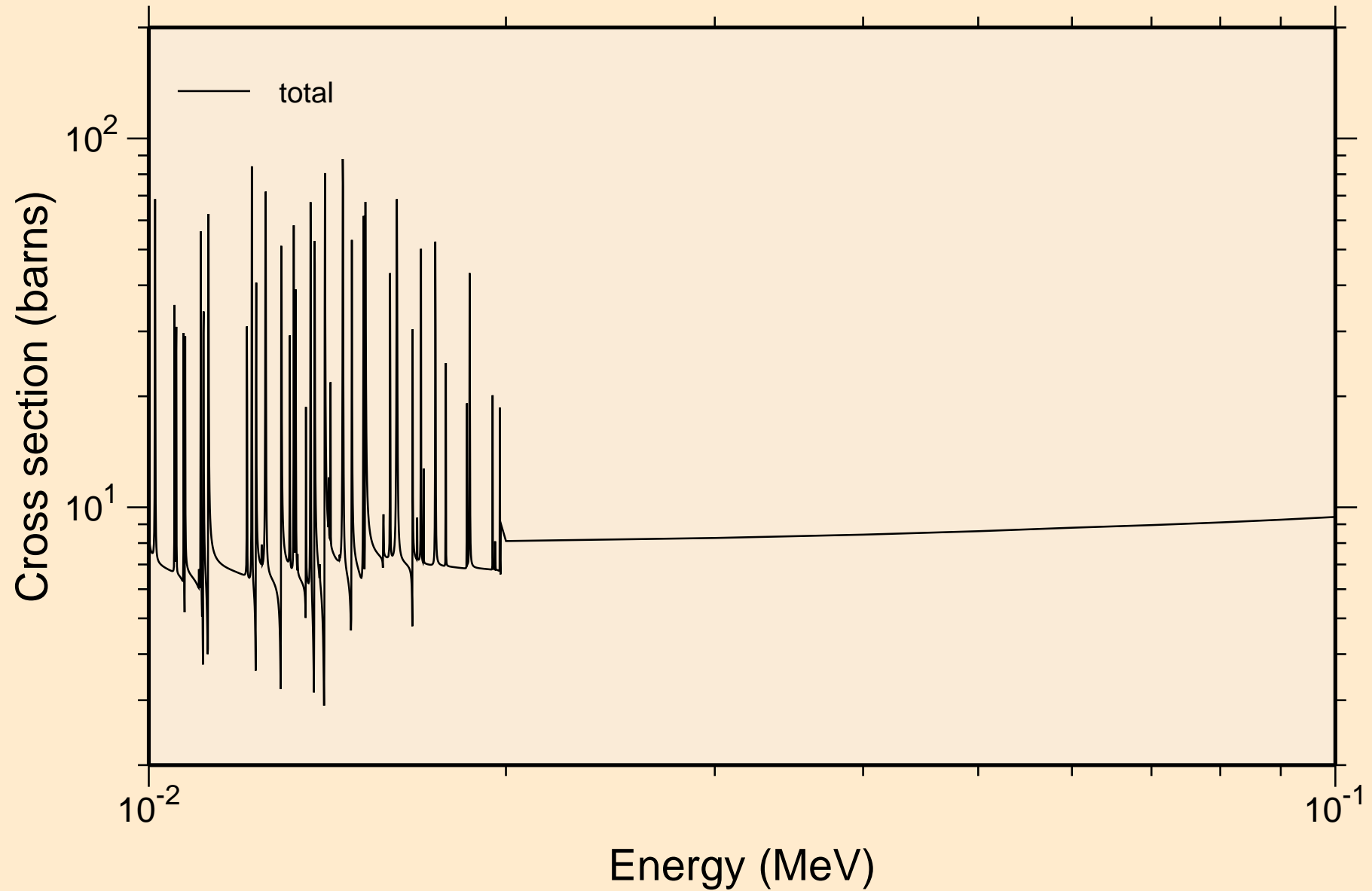
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



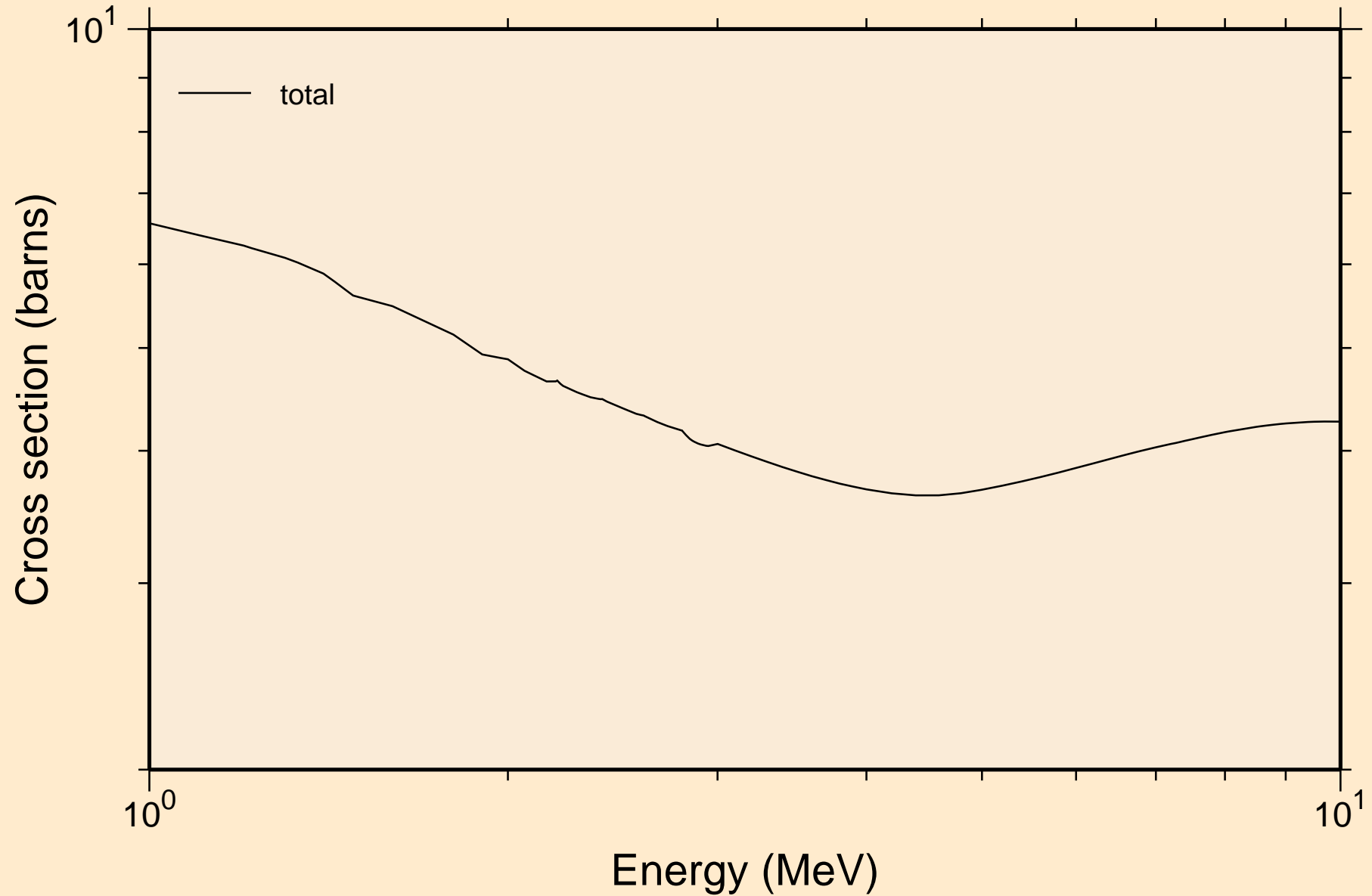
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



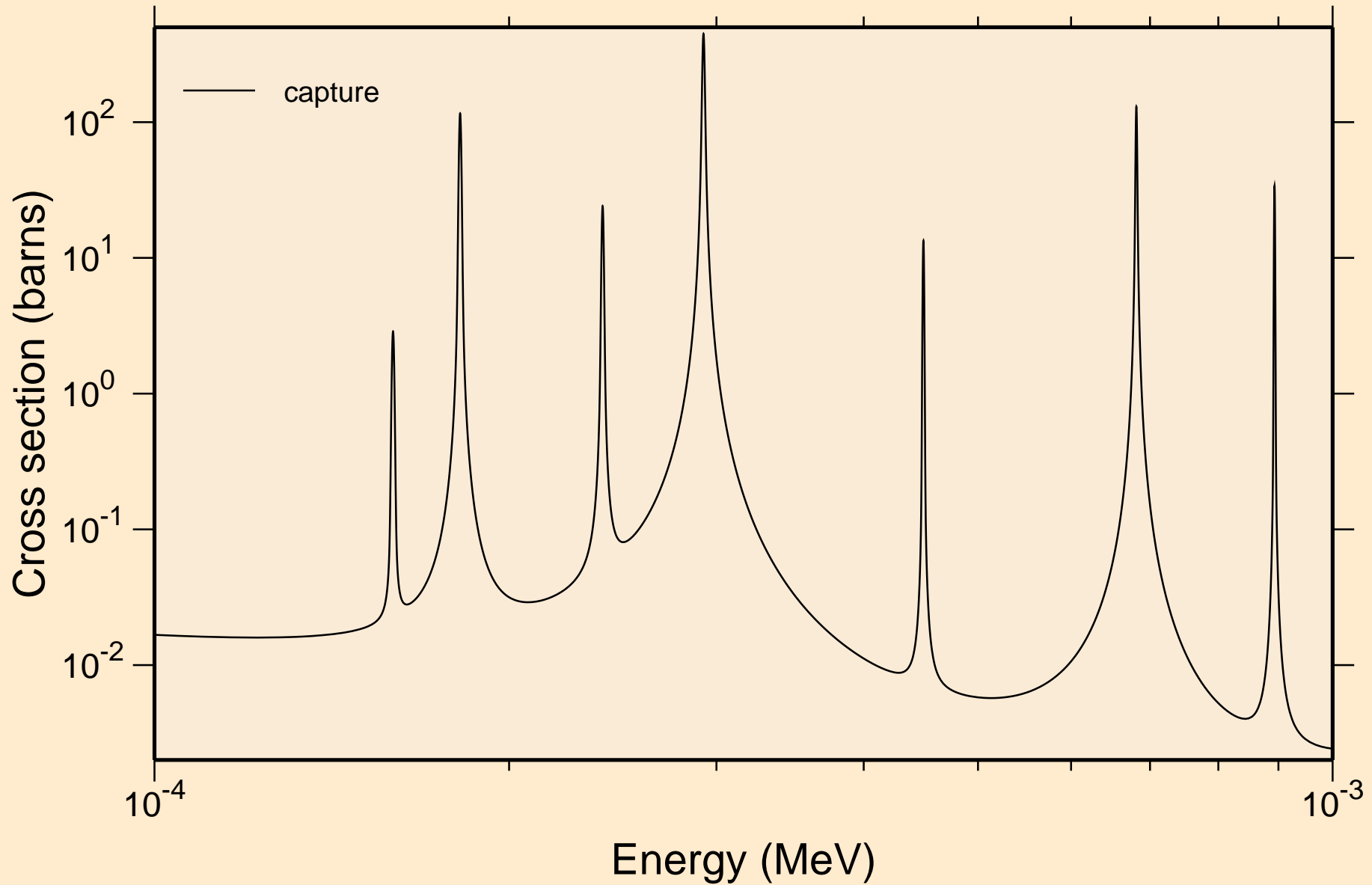
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



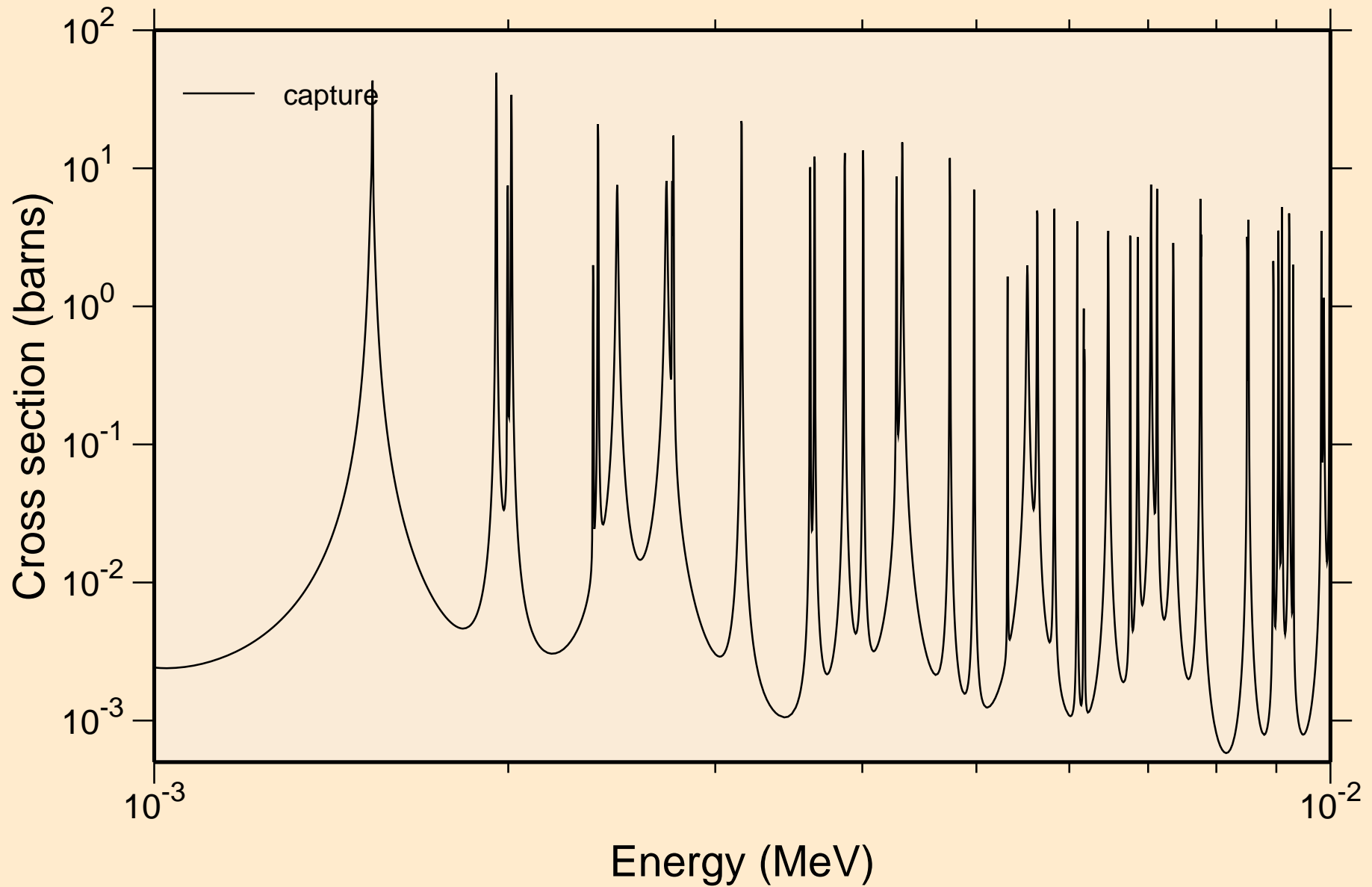
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
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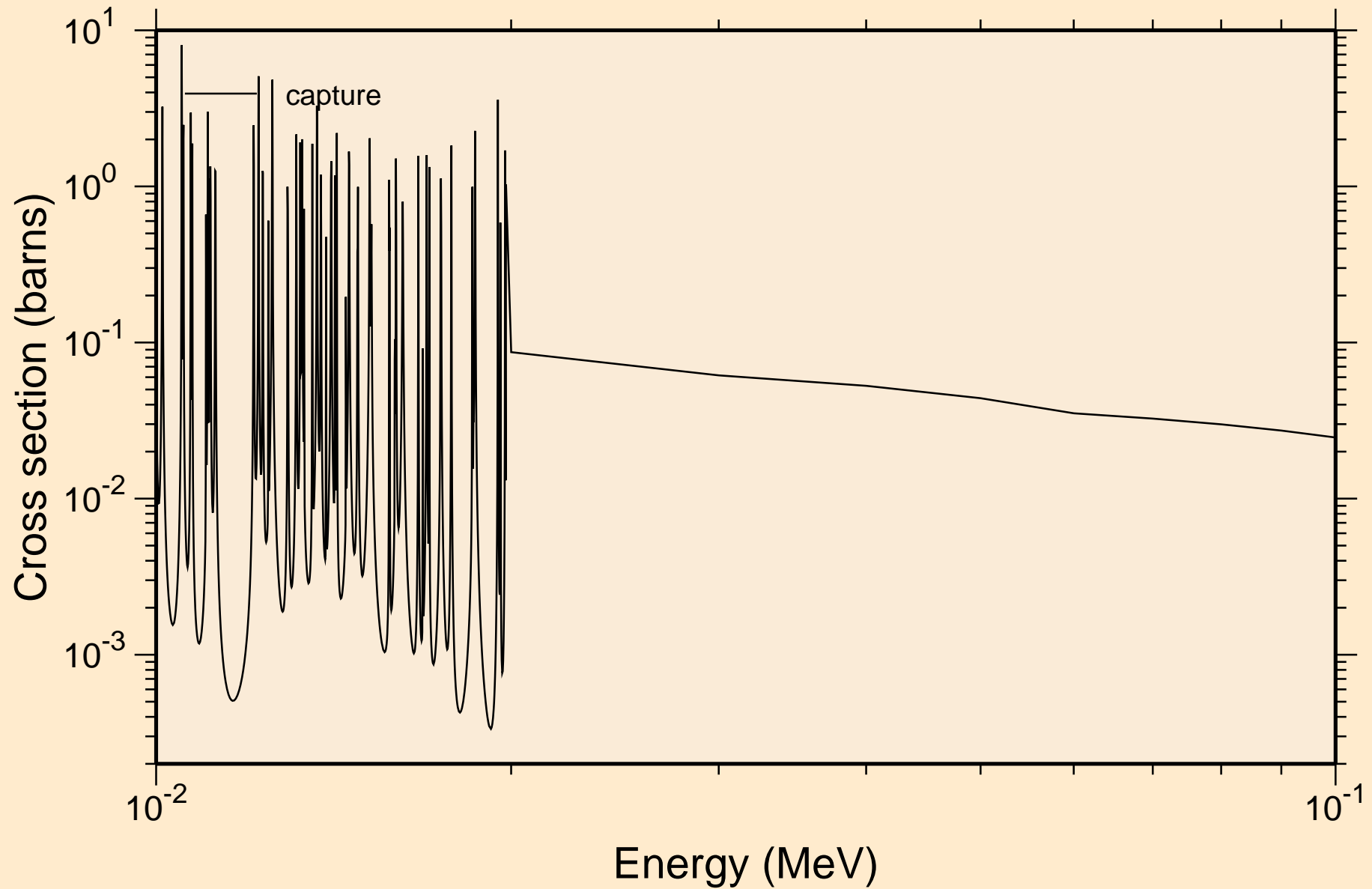
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

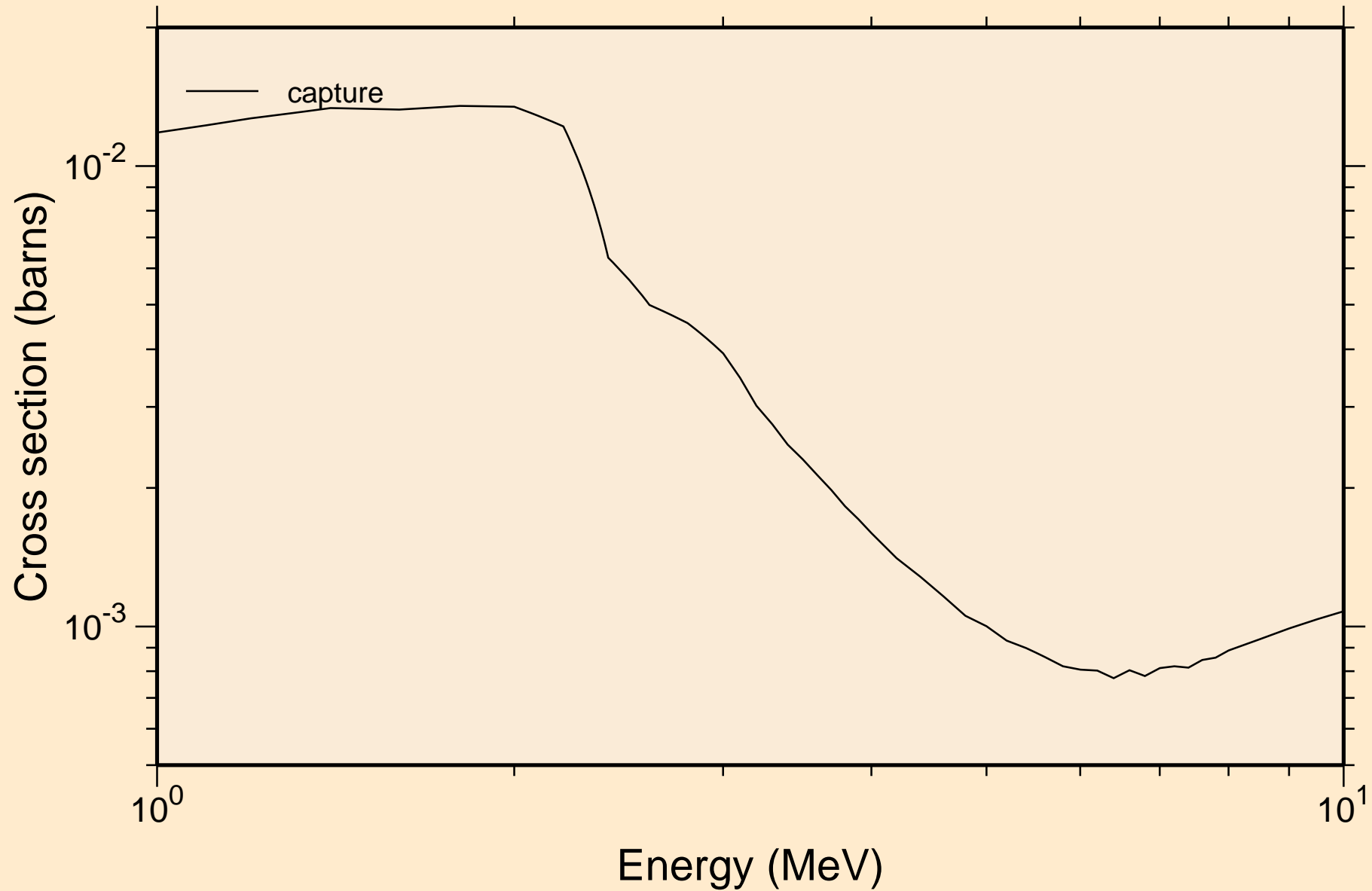


ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

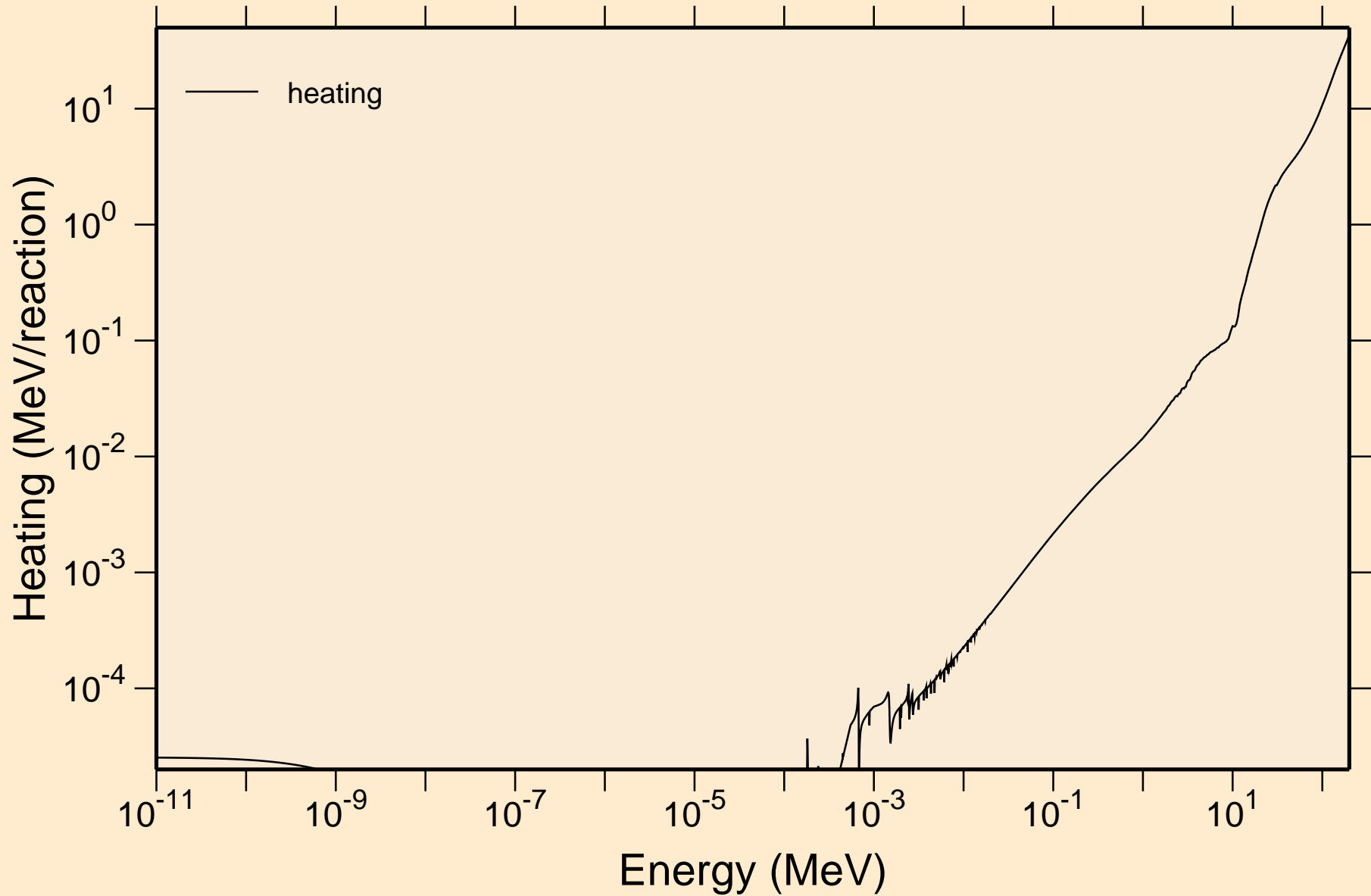




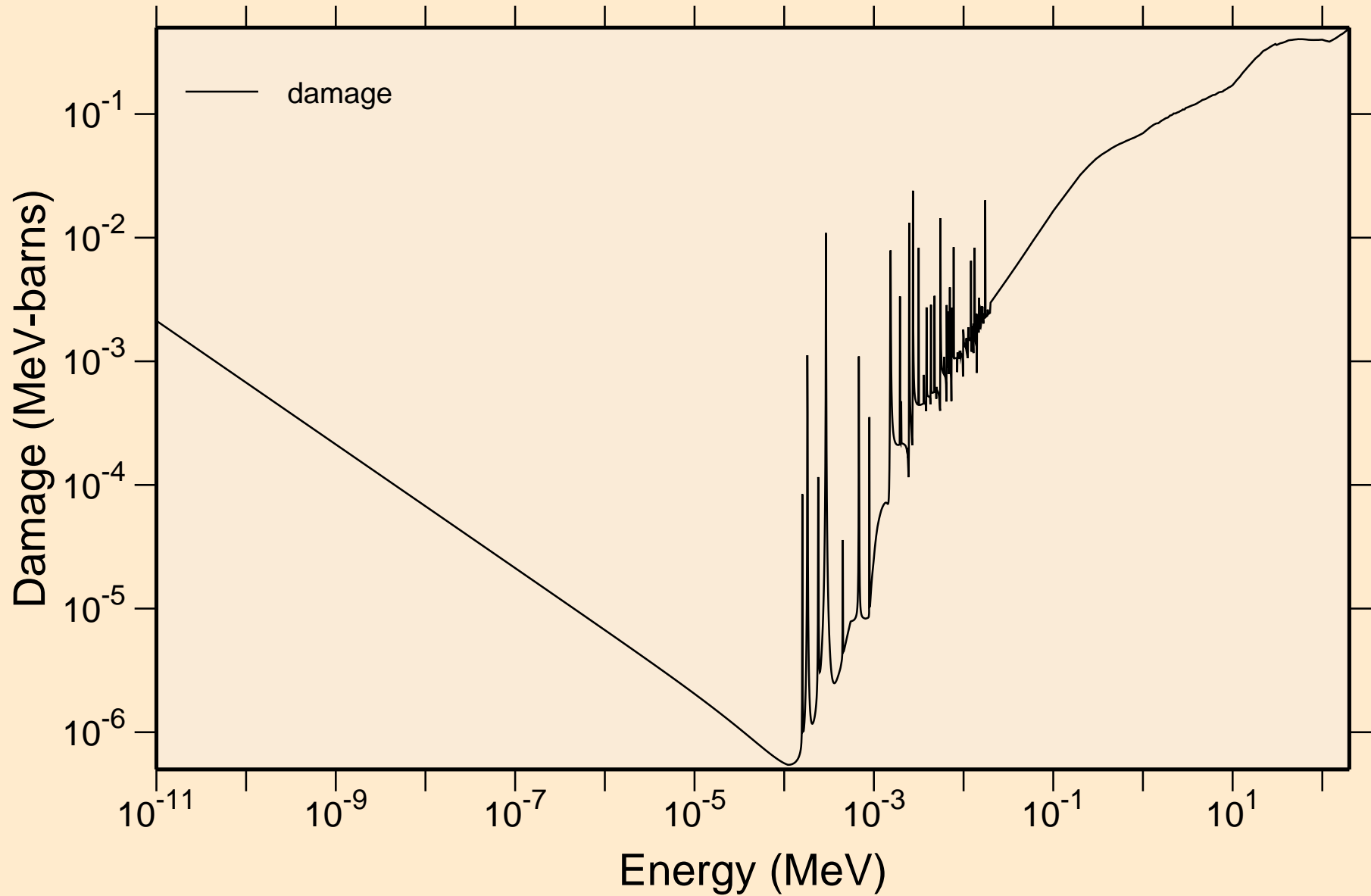
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



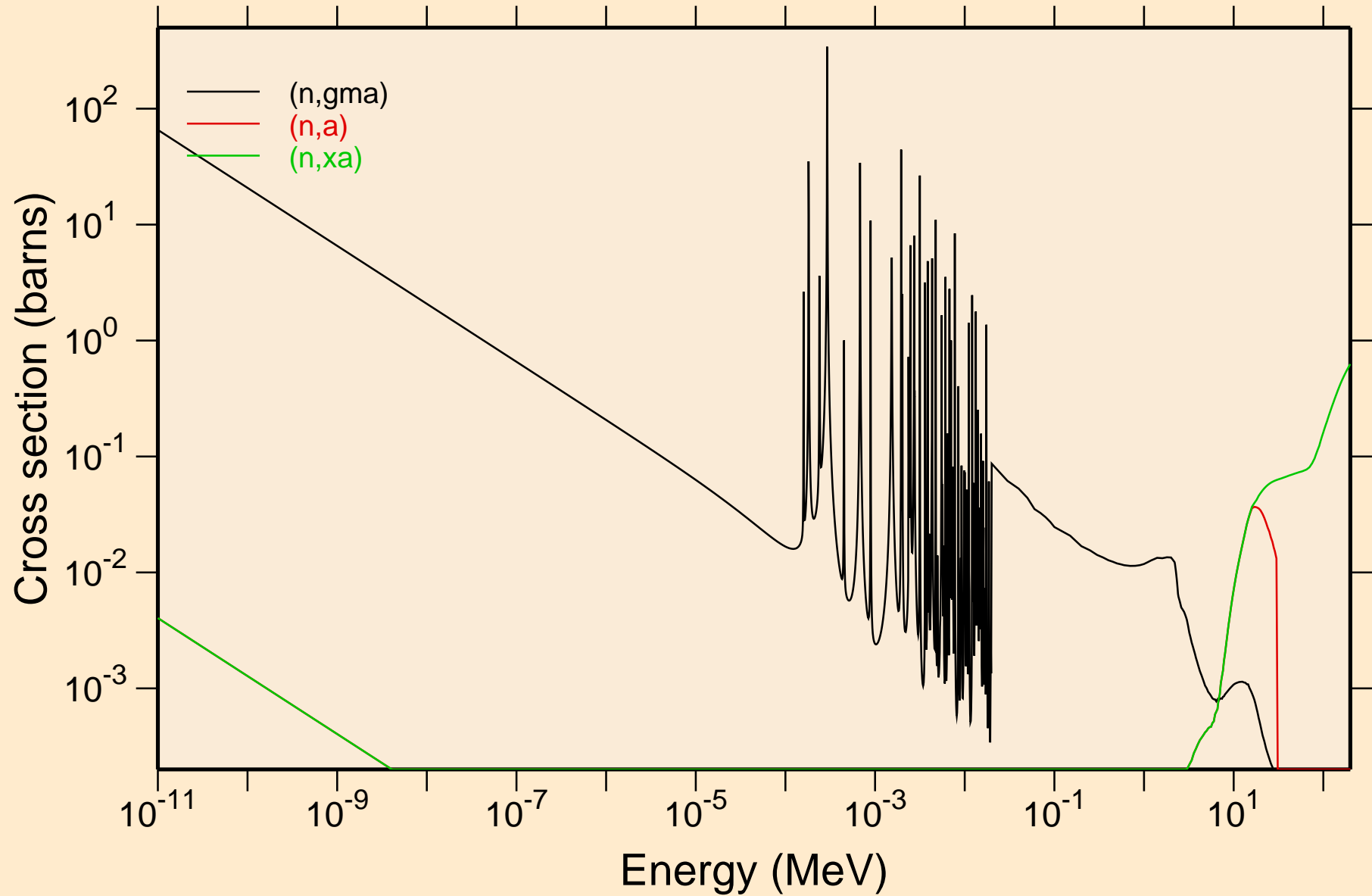
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating



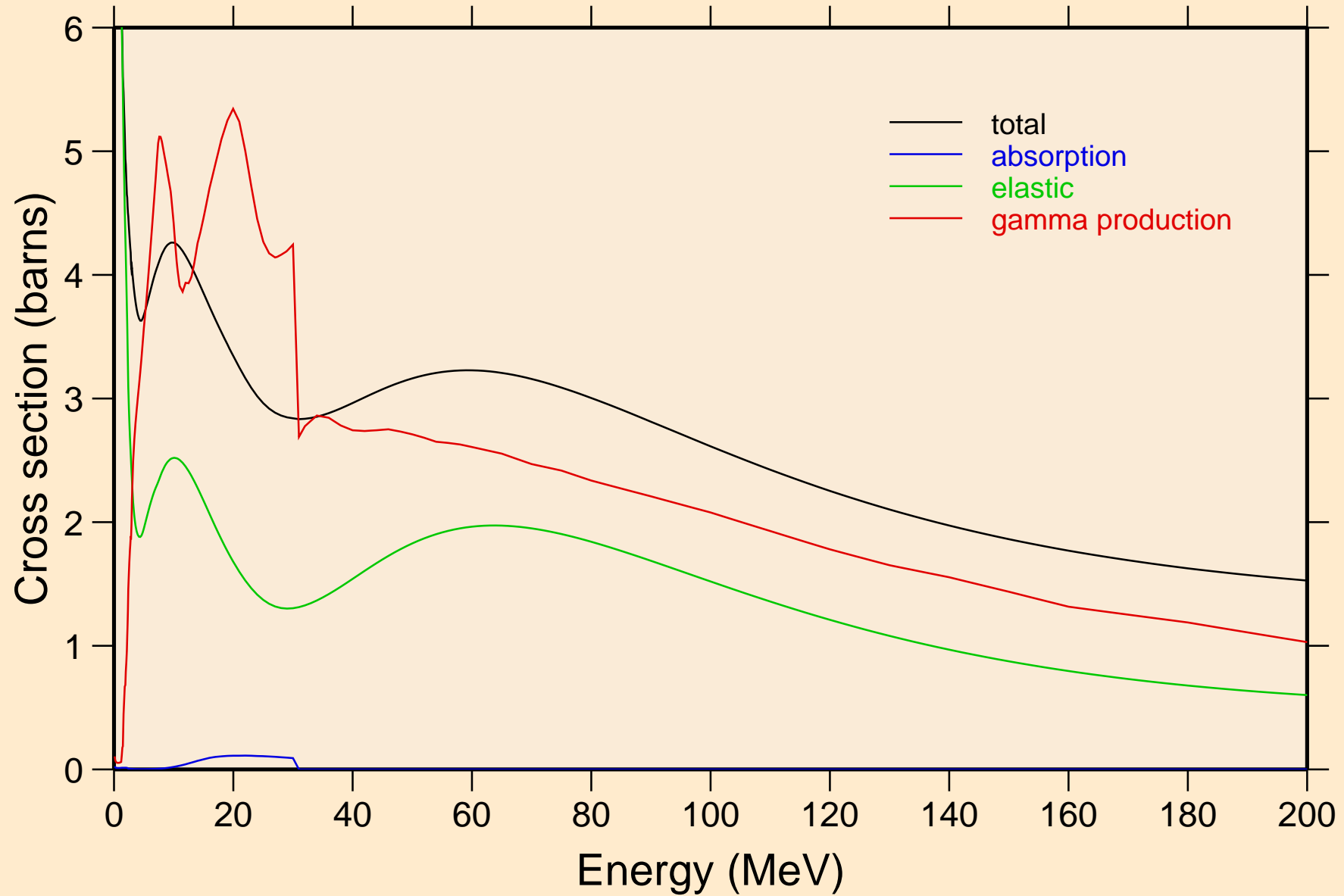
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage



ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

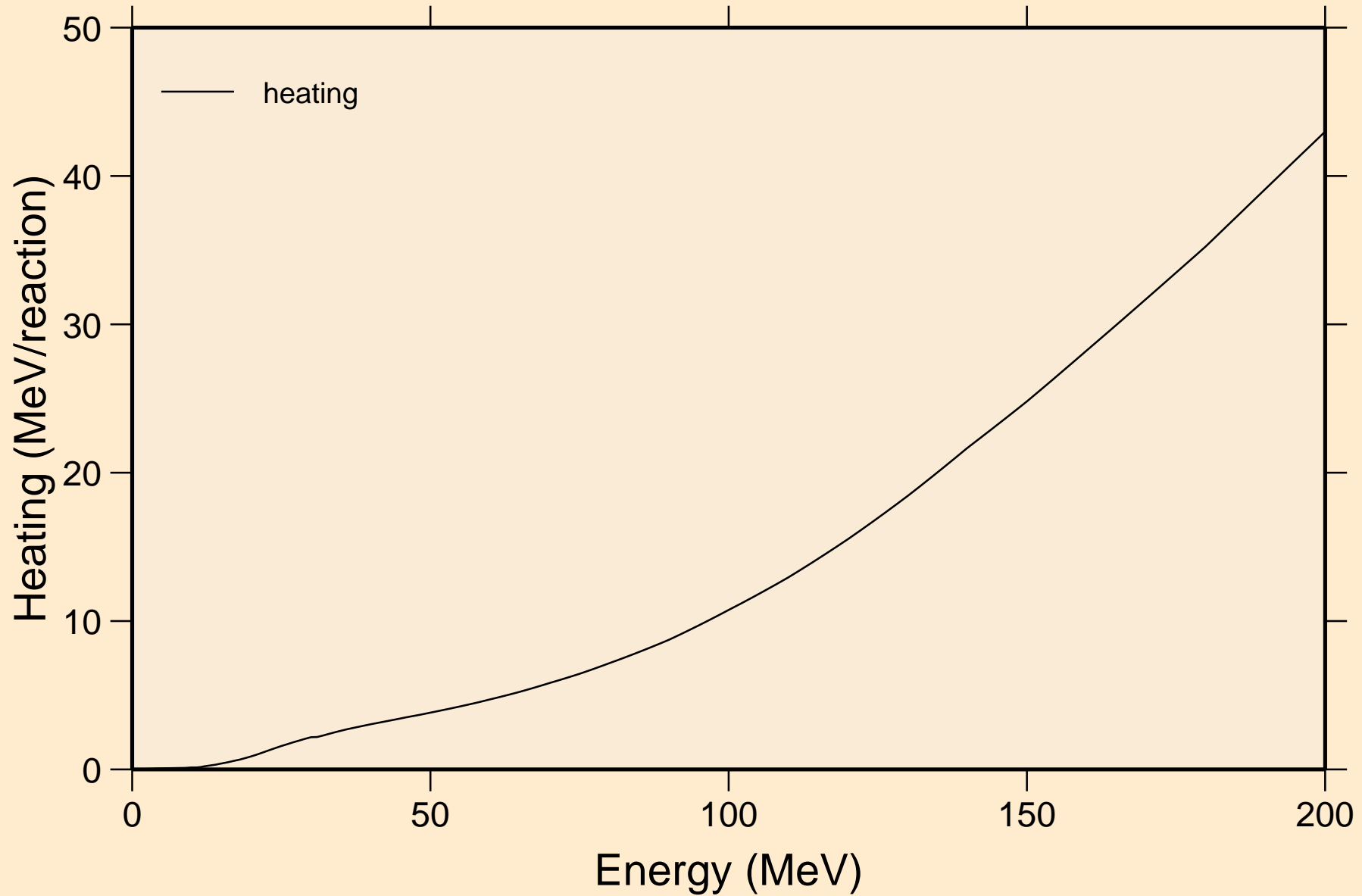


ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections

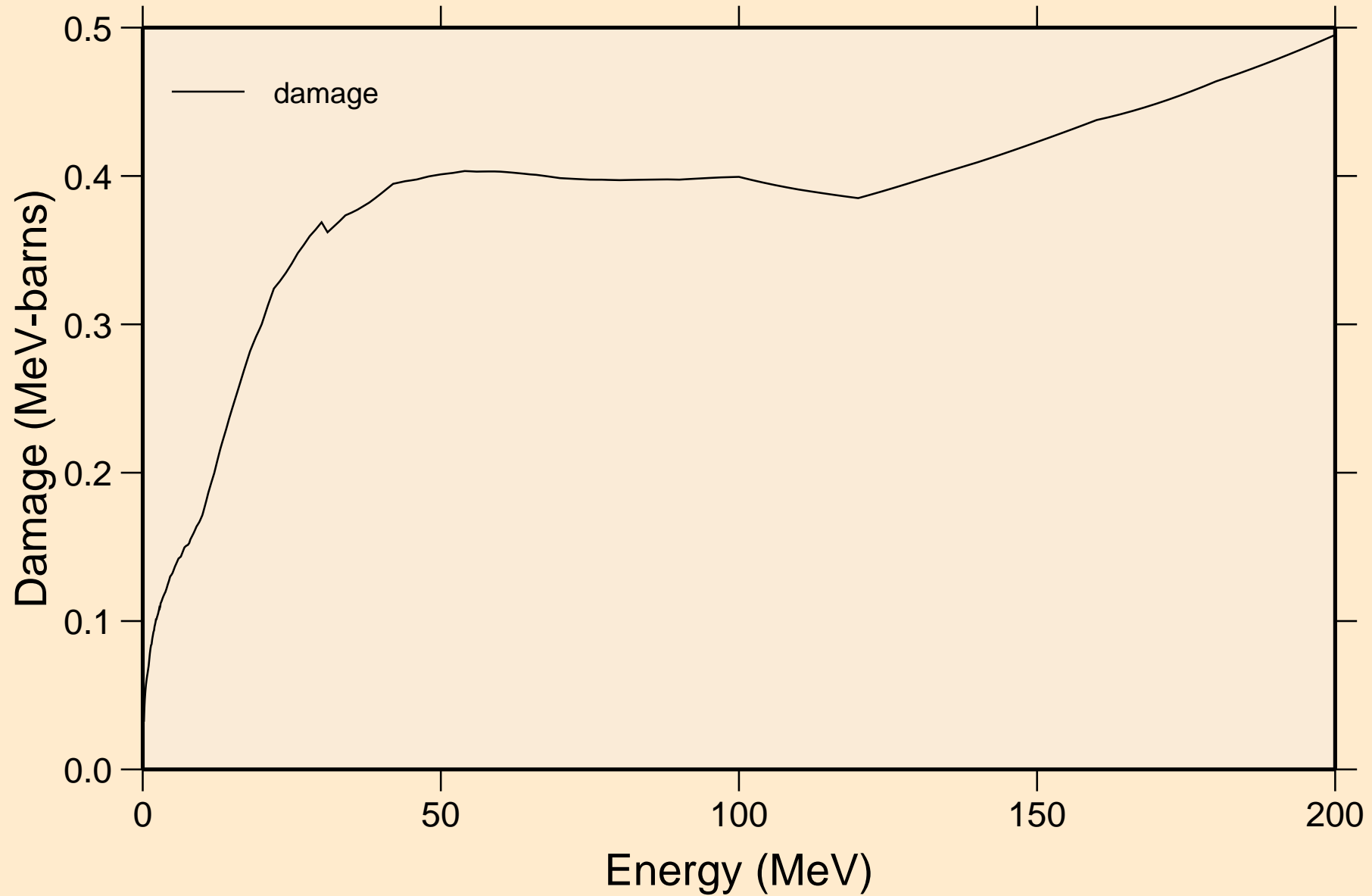


ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

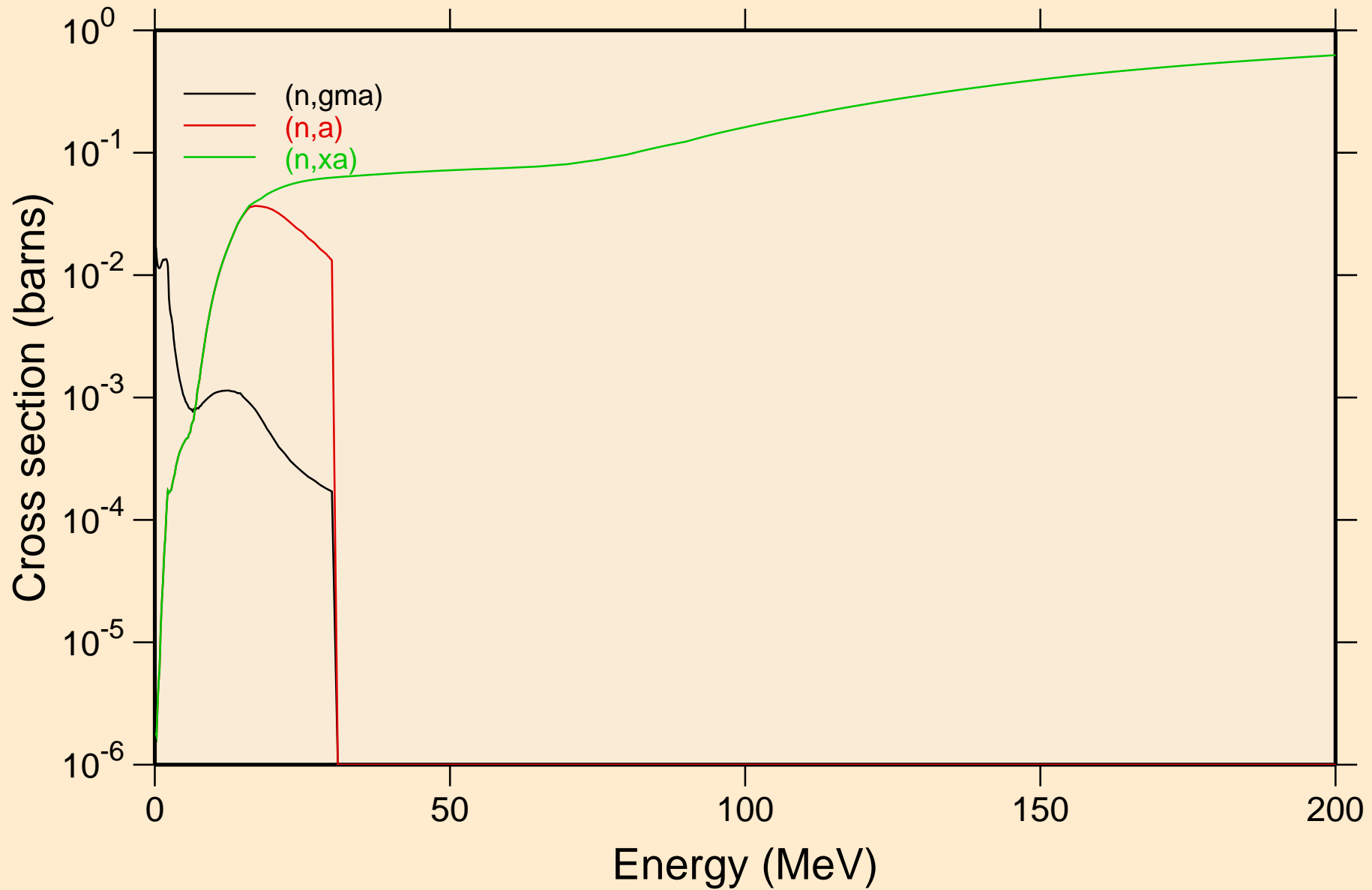
Heating



ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

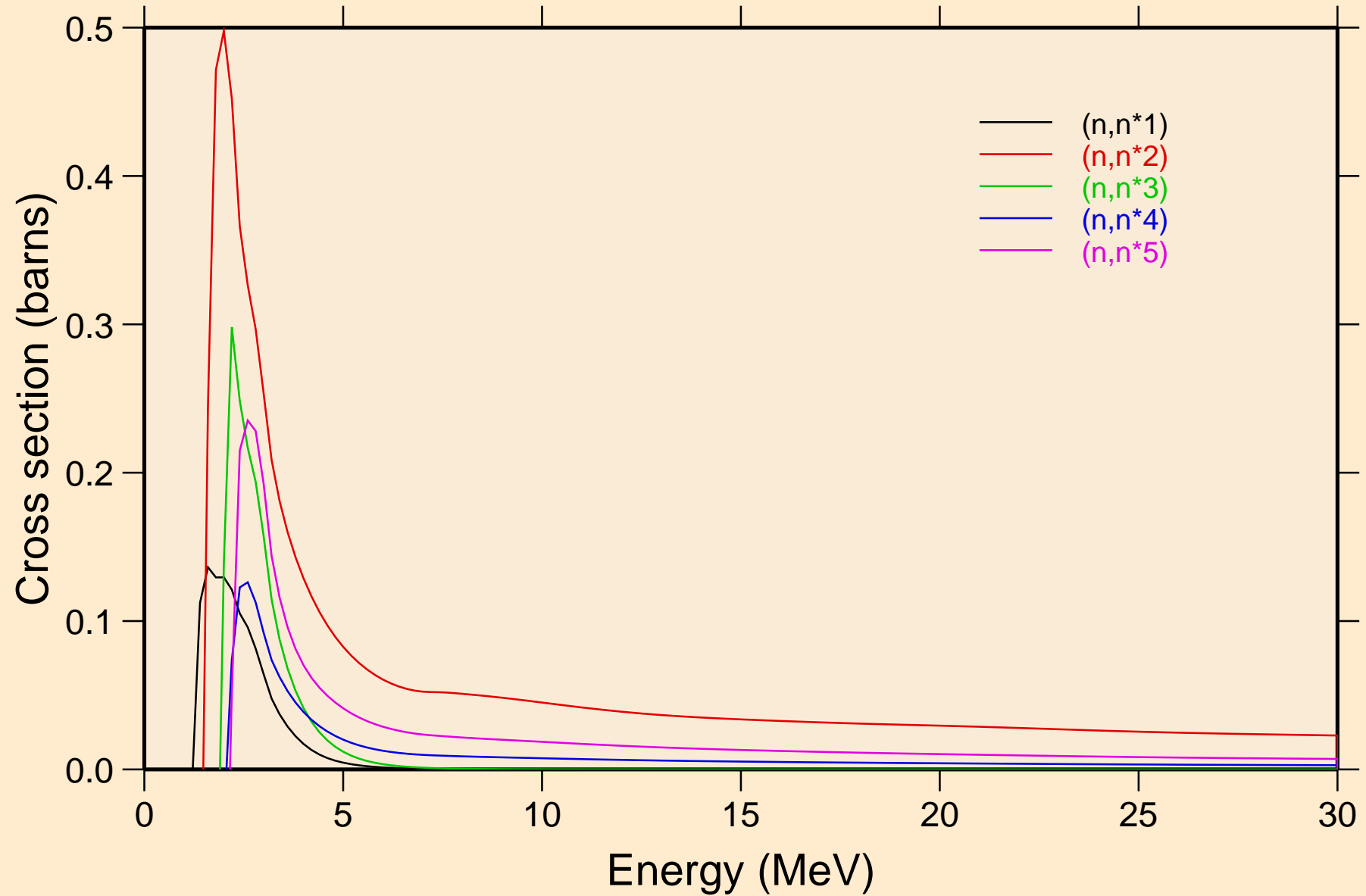


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Non-threshold reactions

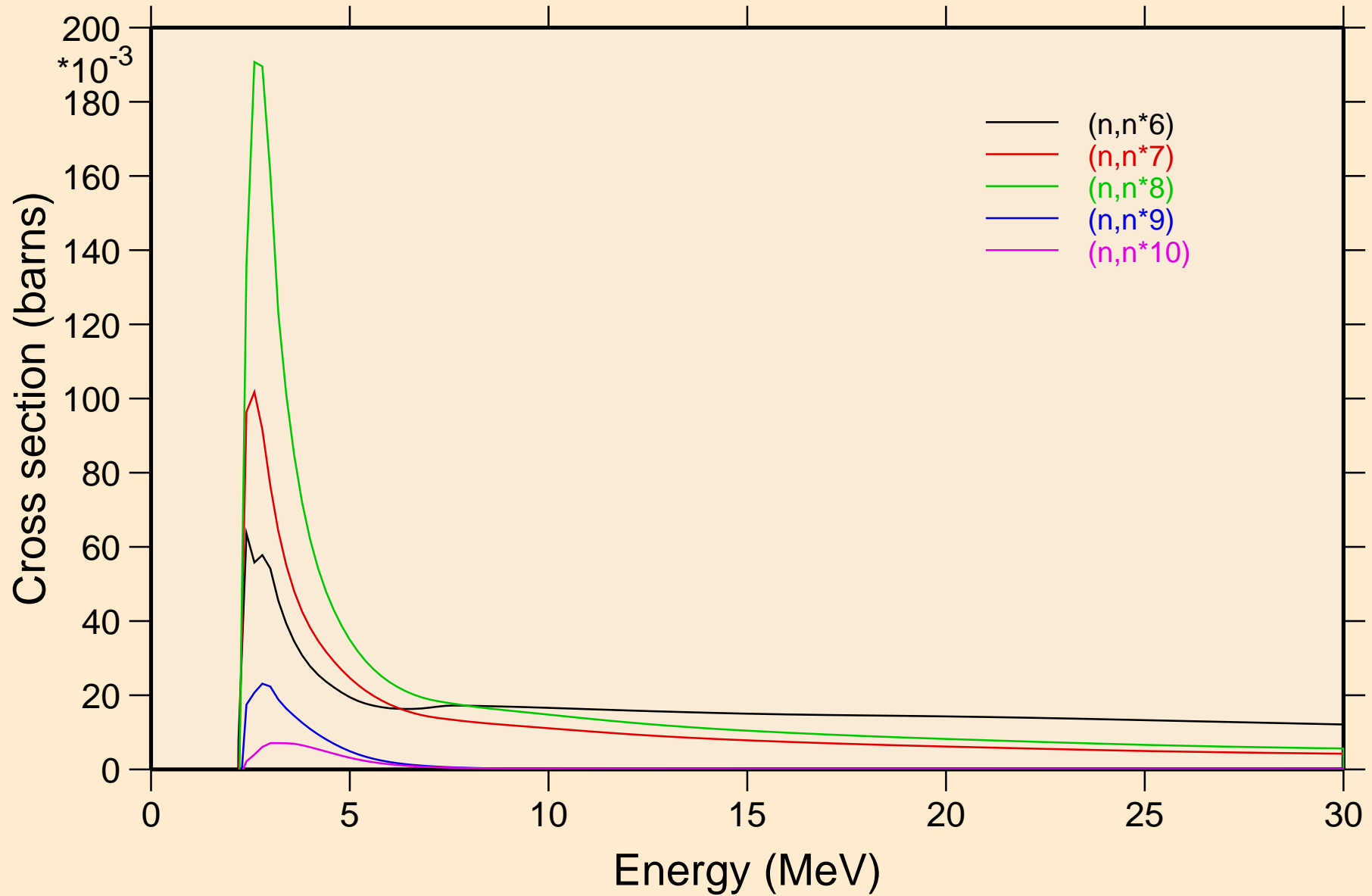




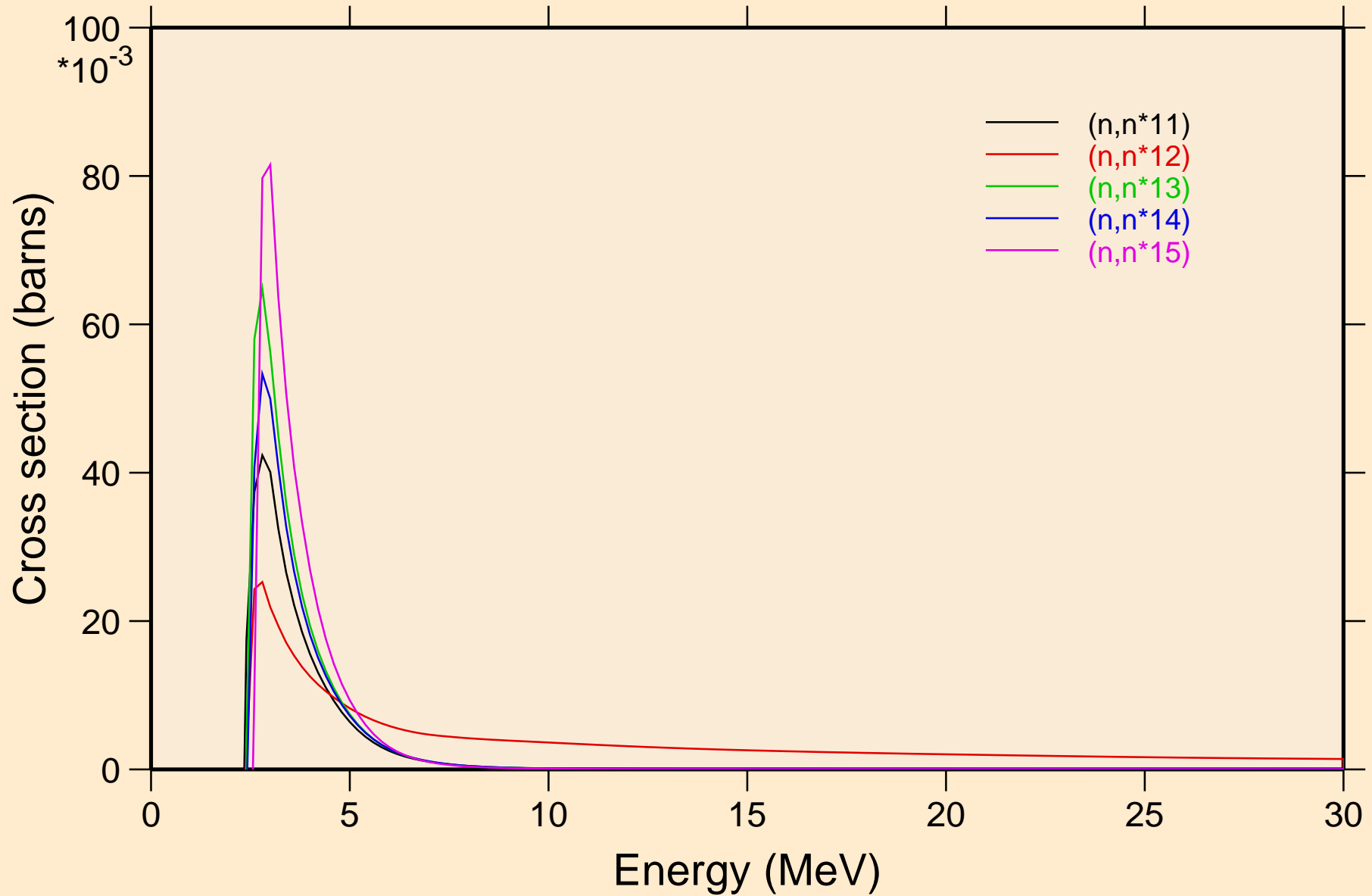
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



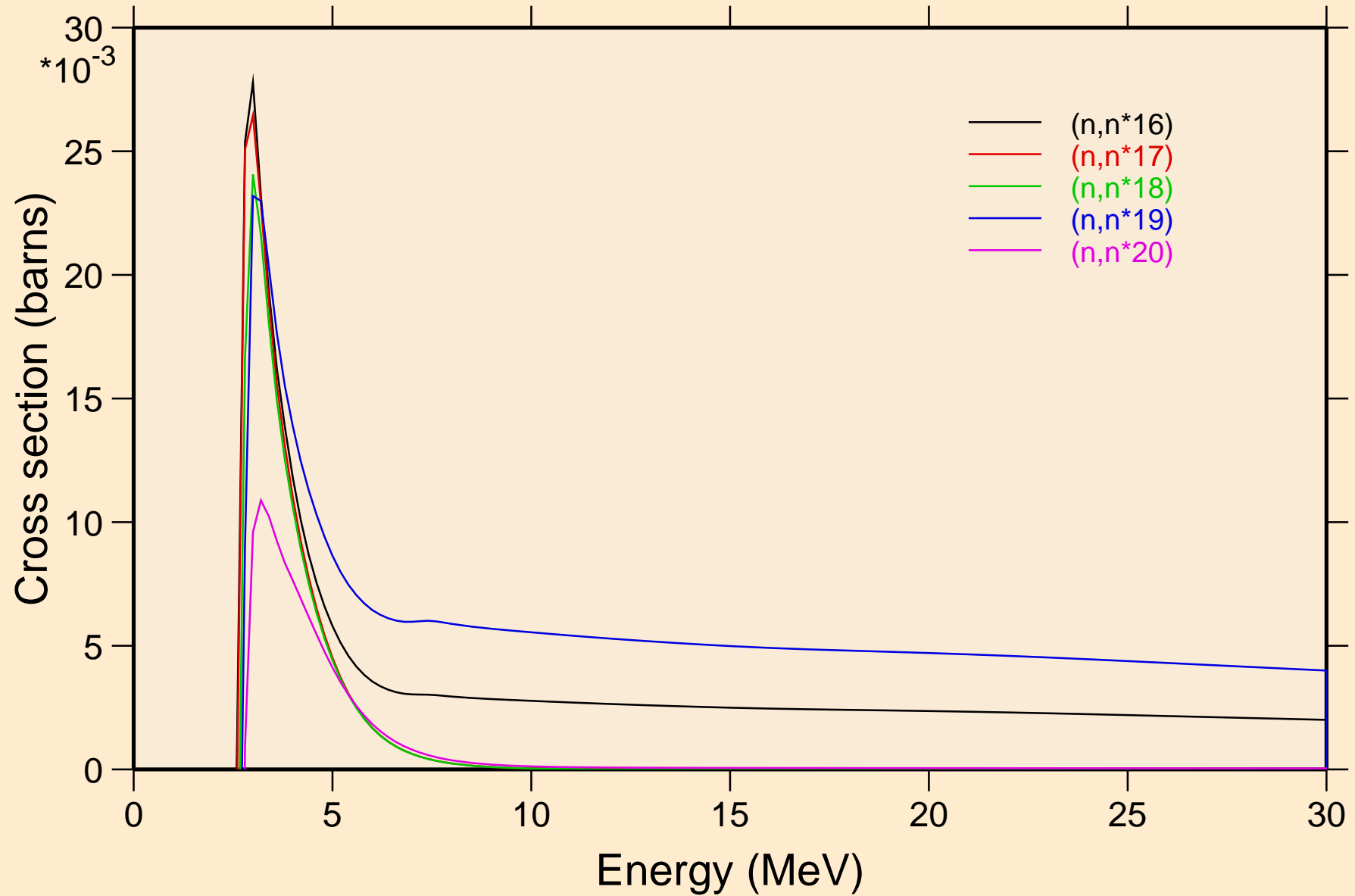
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



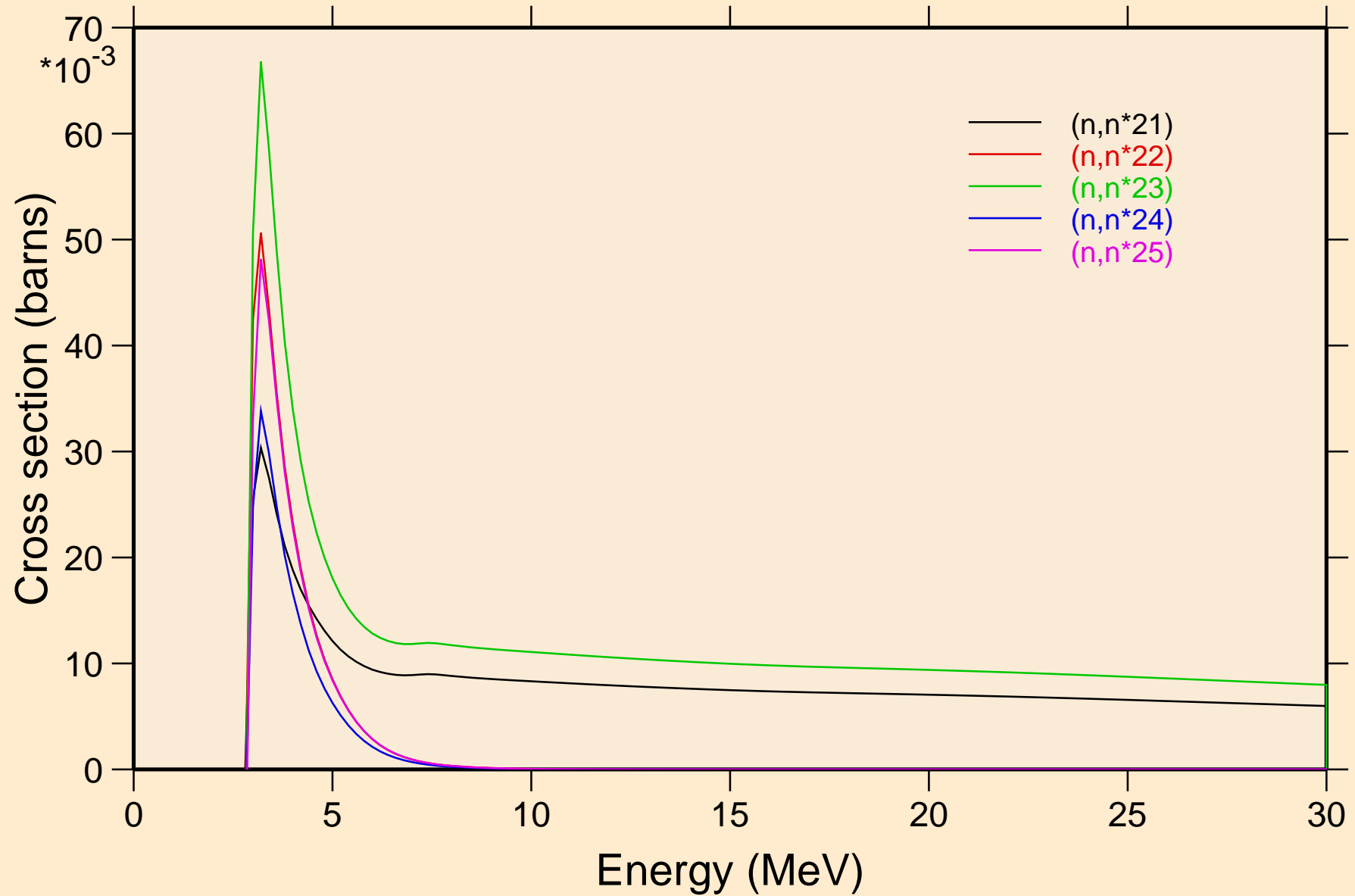
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Inelastic levels



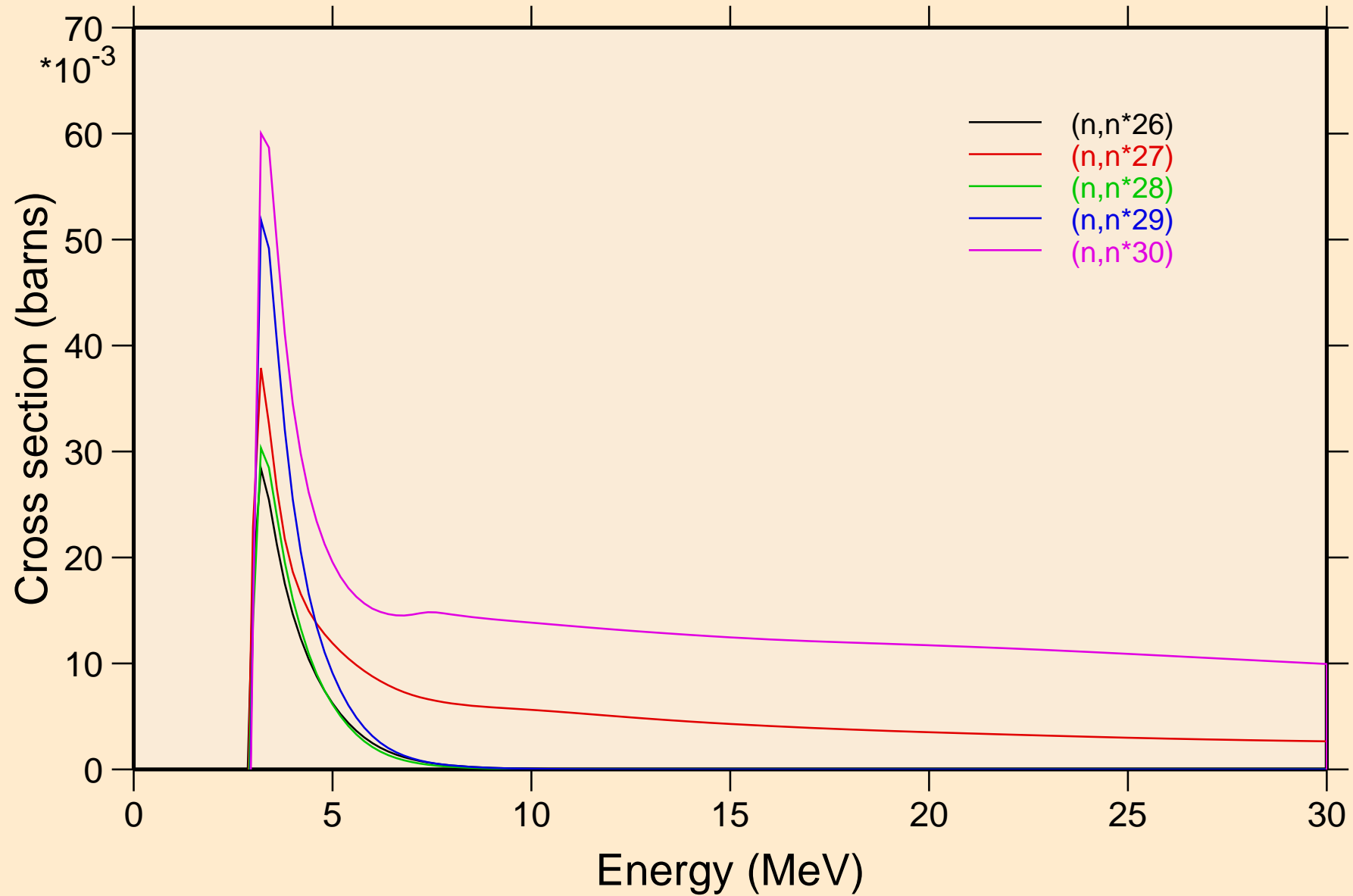
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Inelastic levels



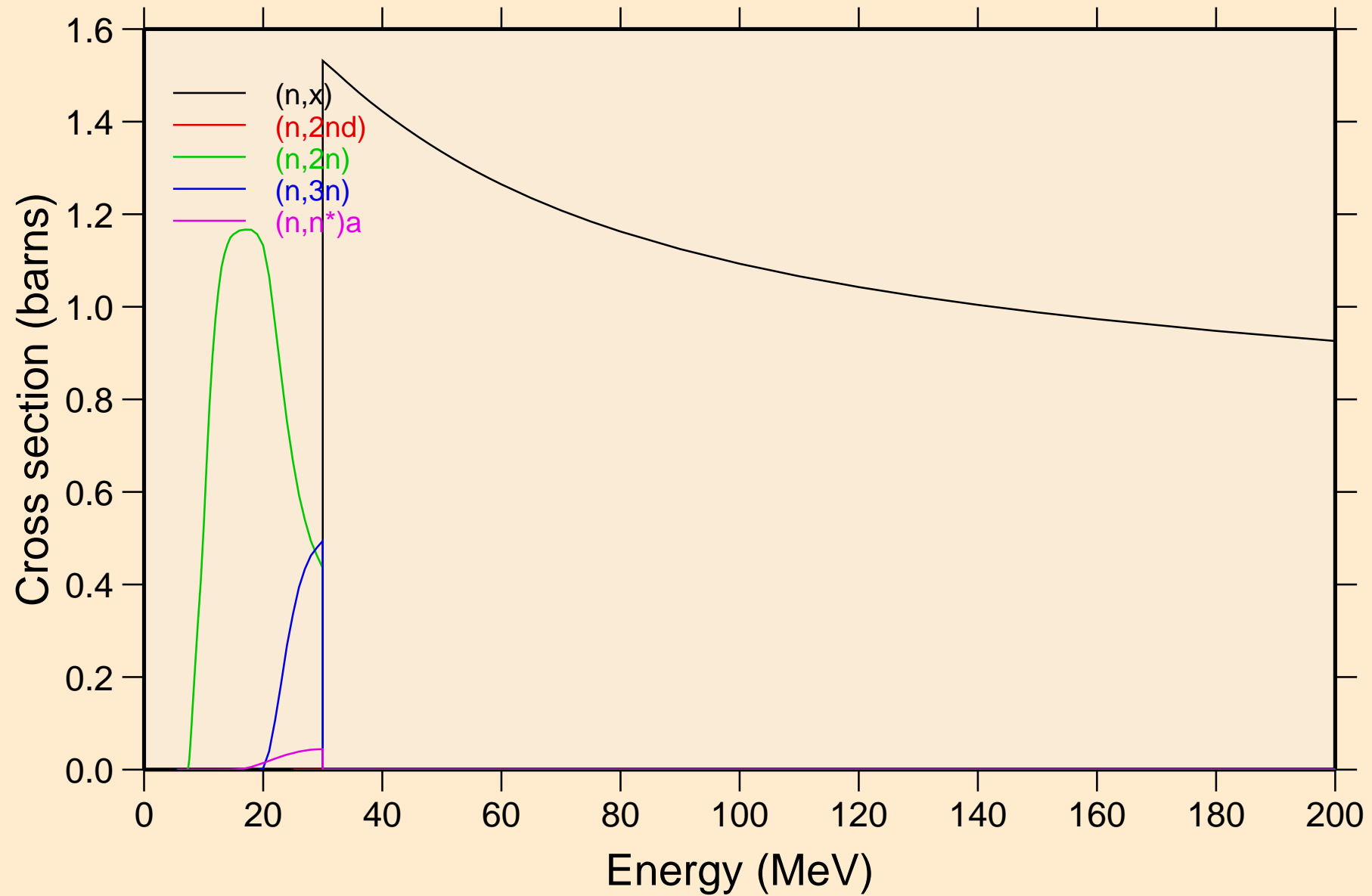
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



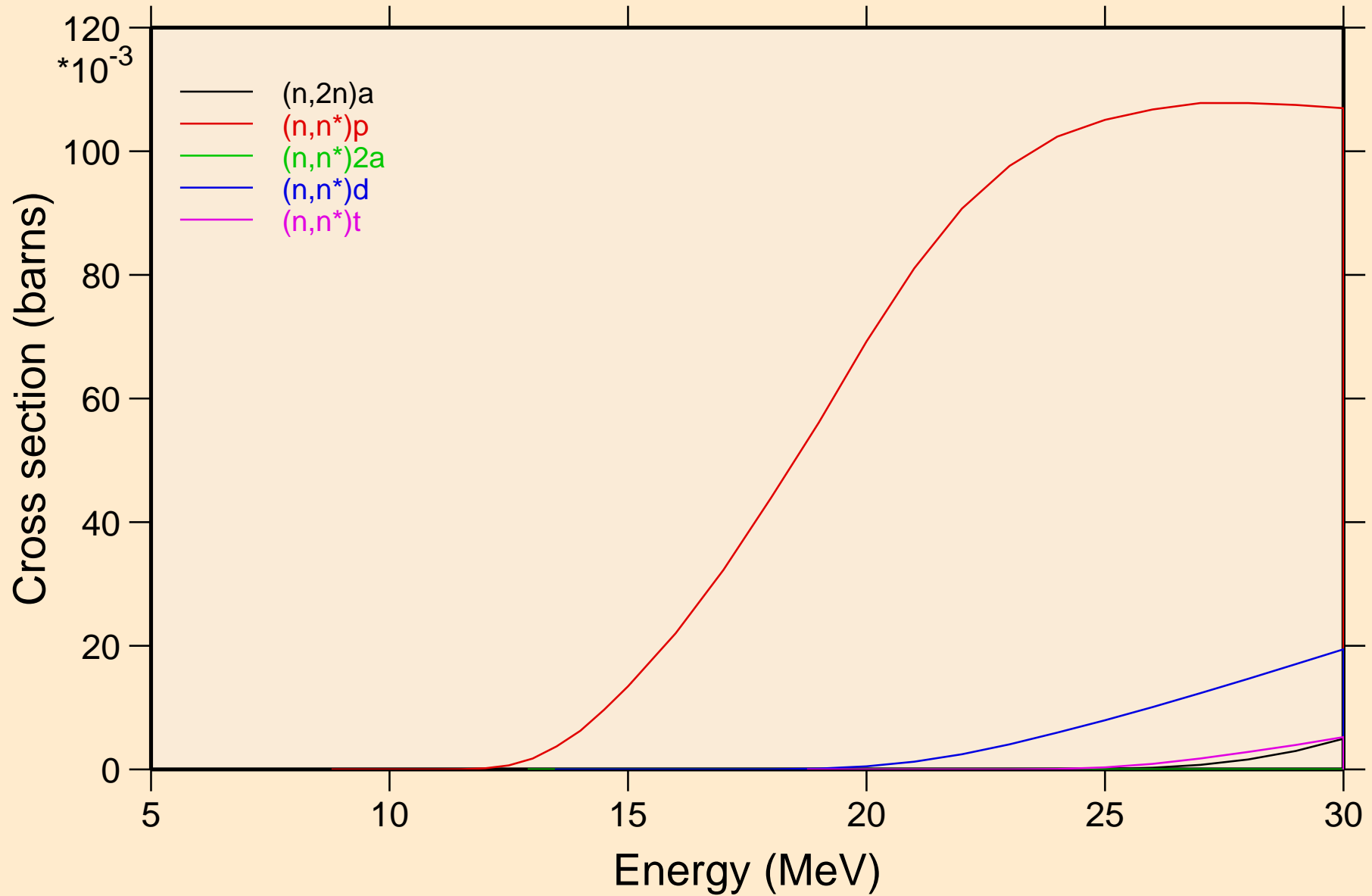
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

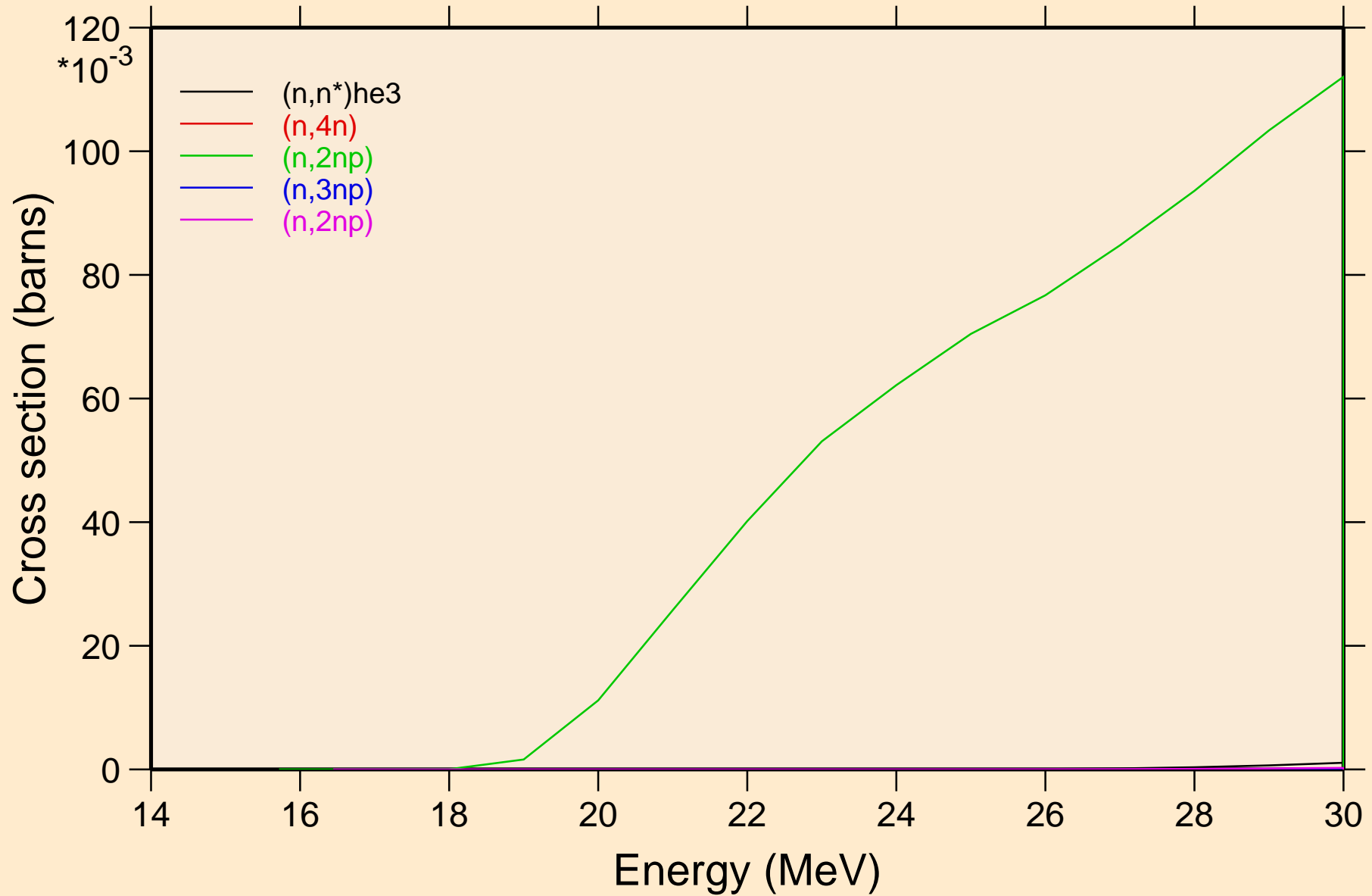


ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions

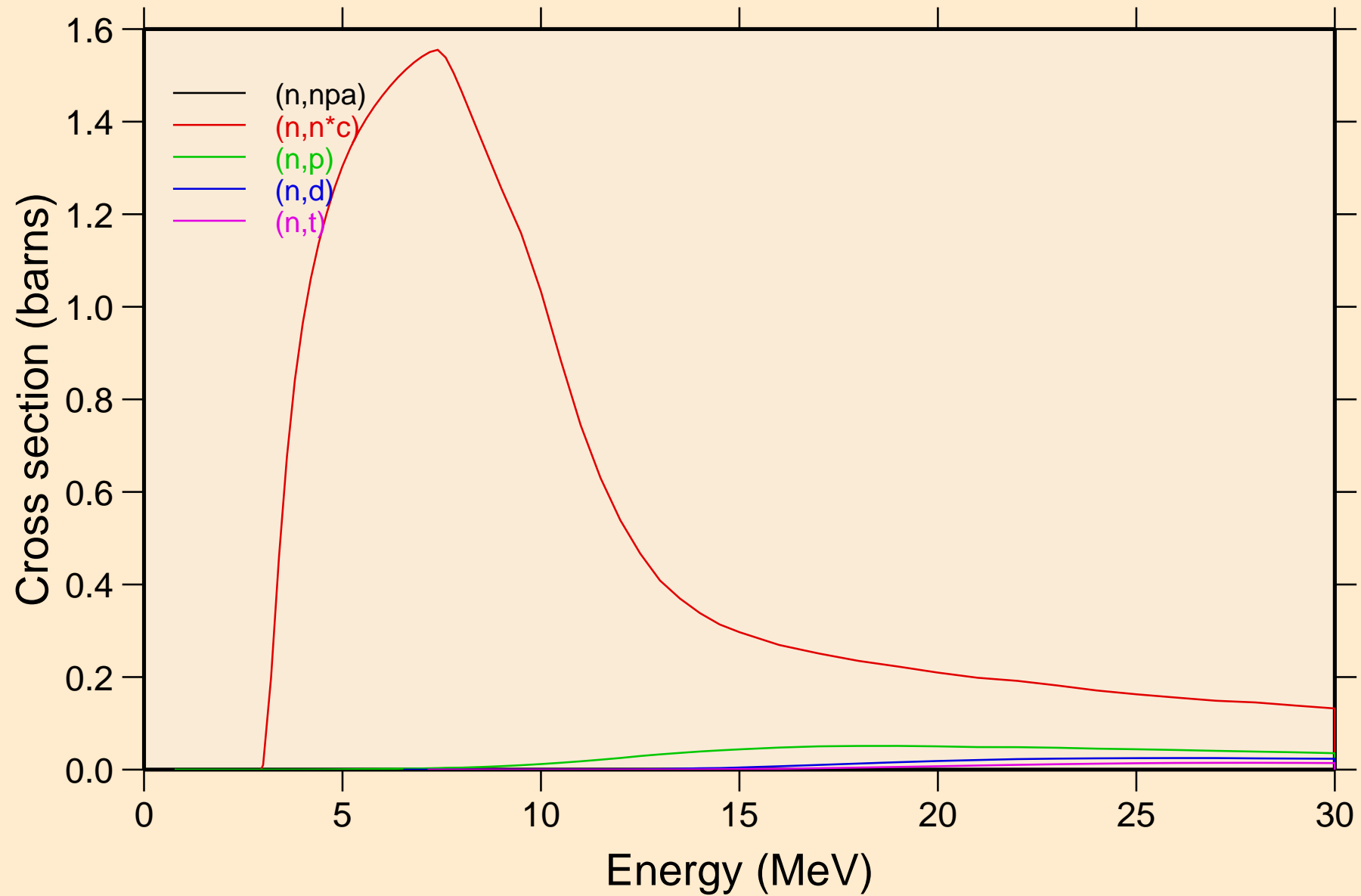




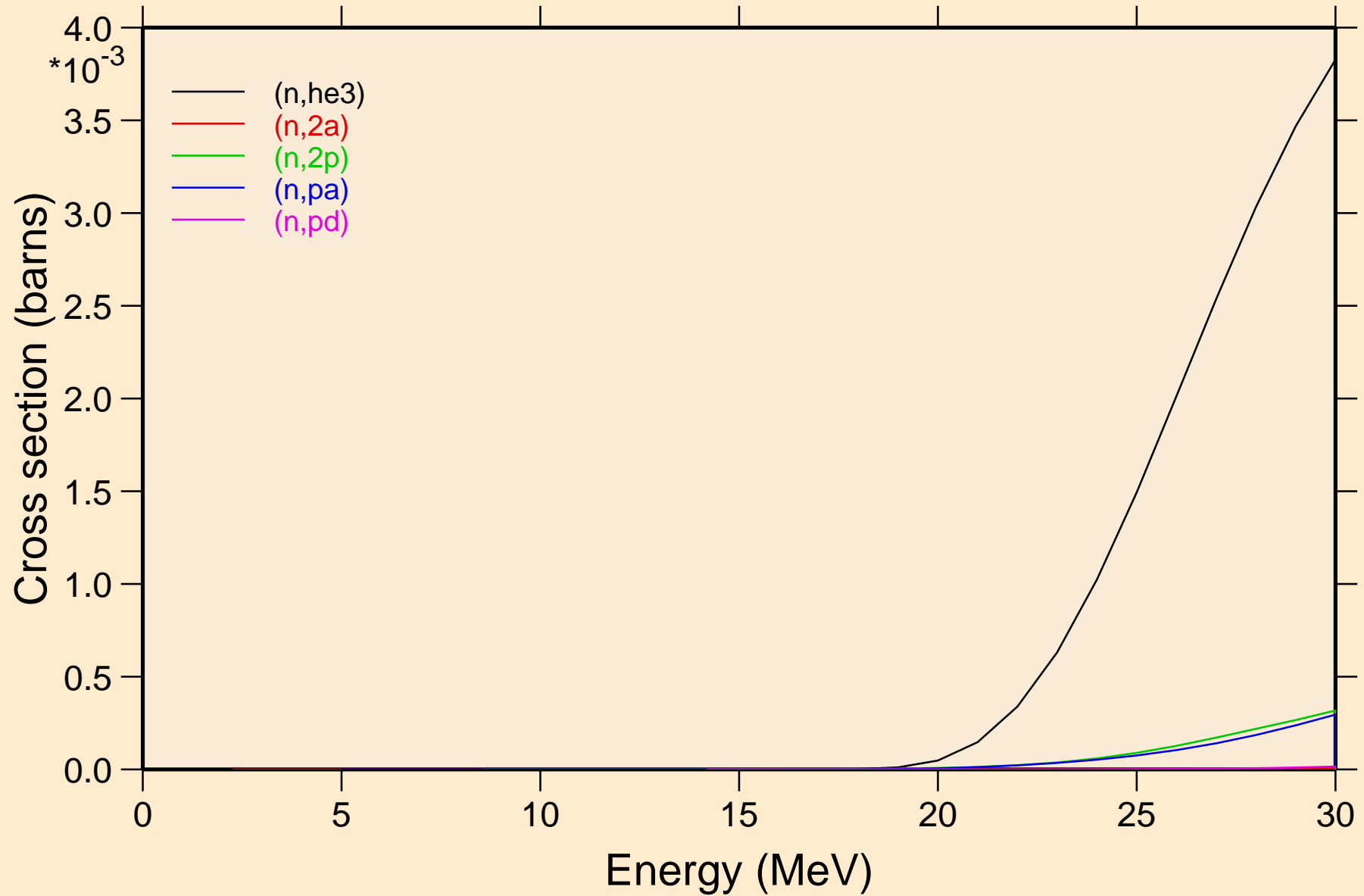
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Threshold reactions



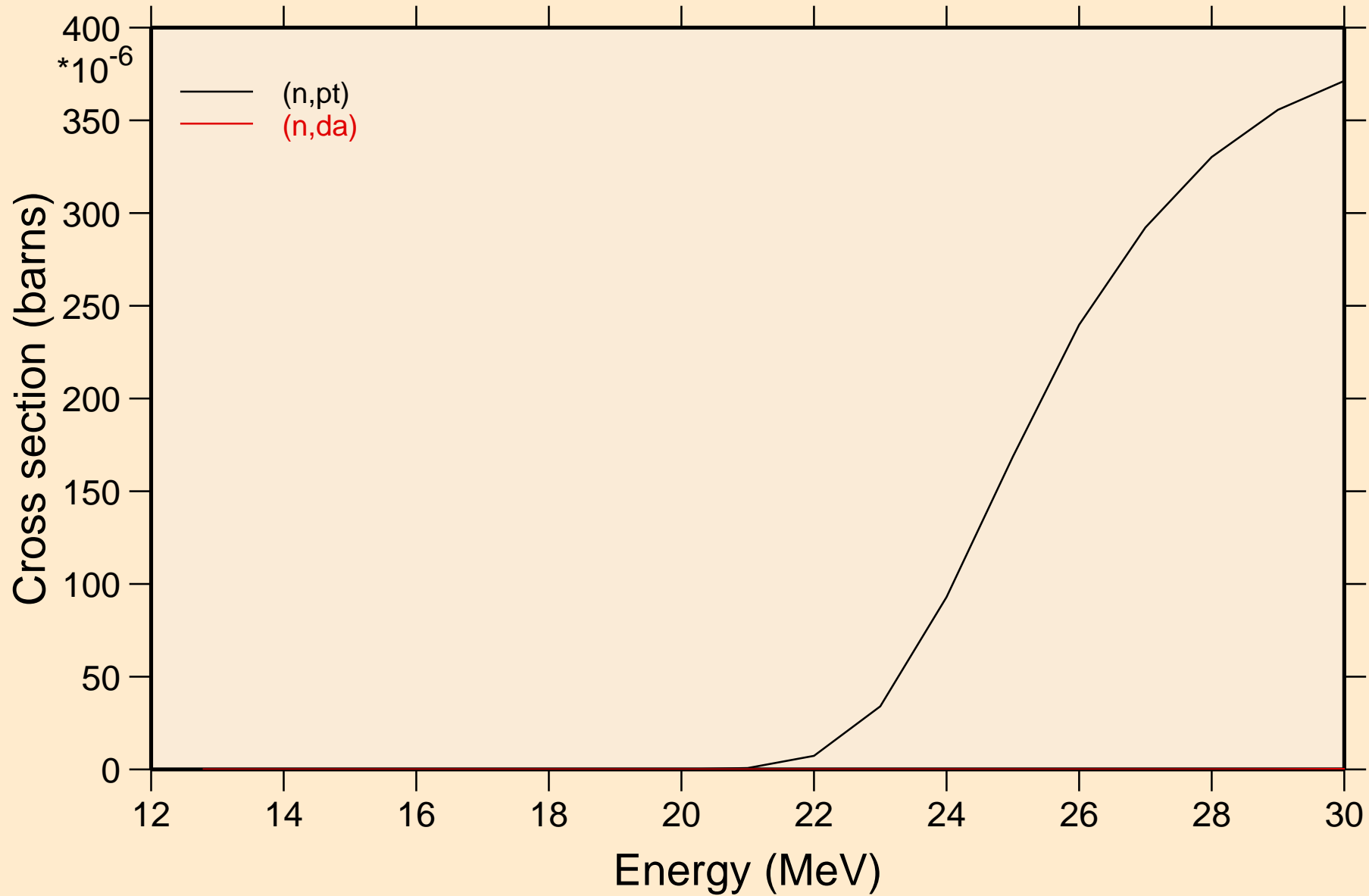
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Threshold reactions



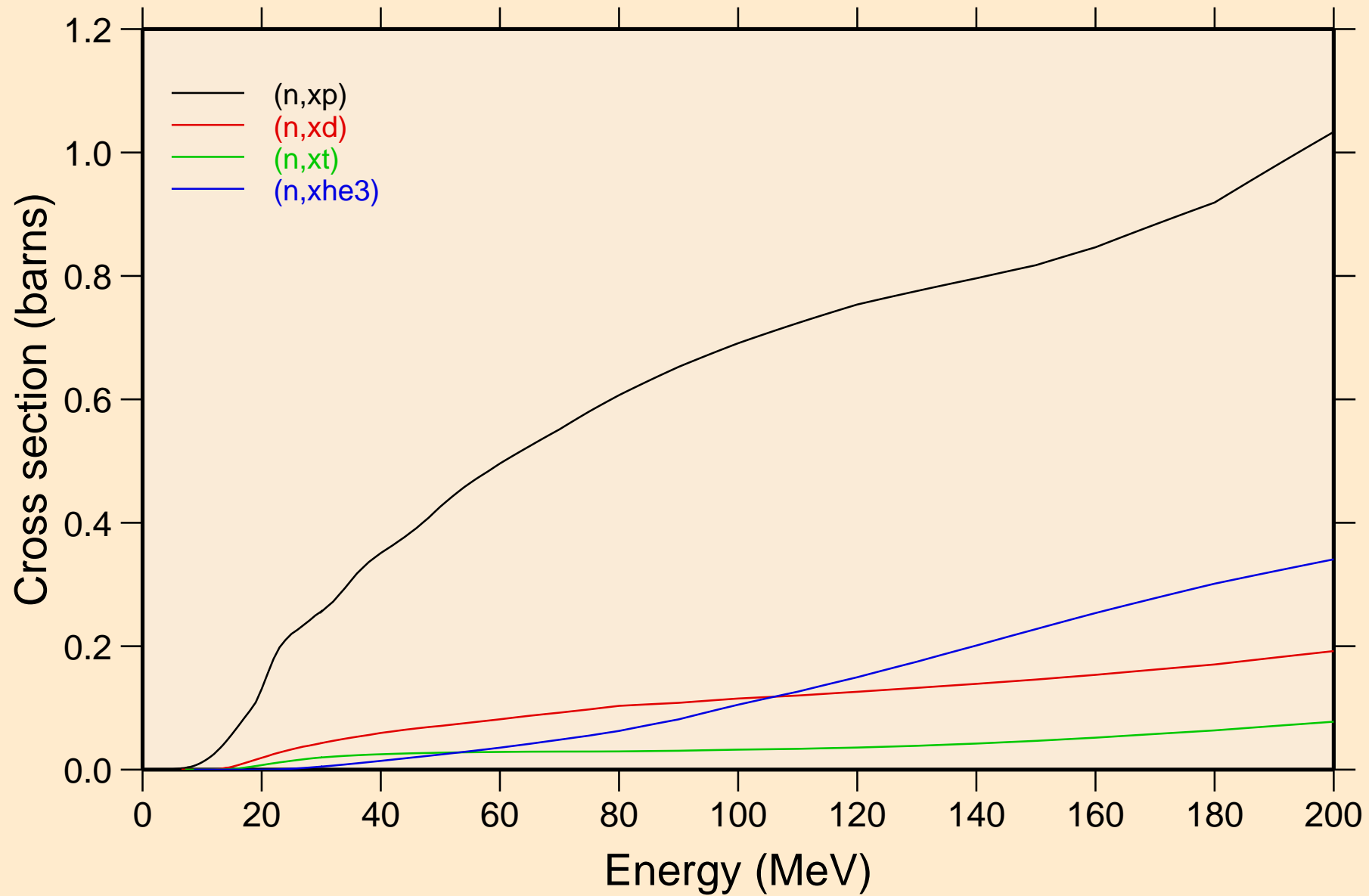
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Threshold reactions



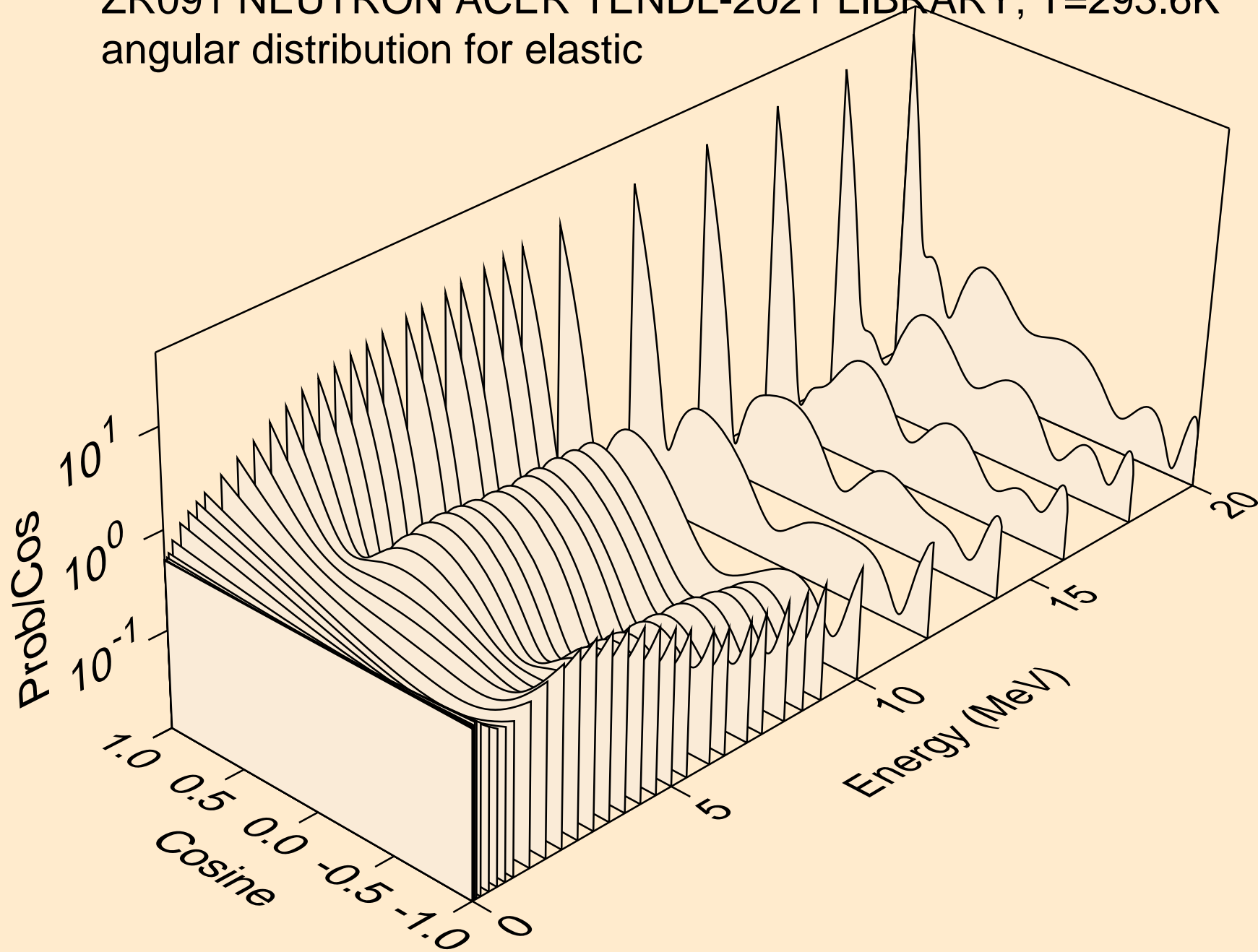
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



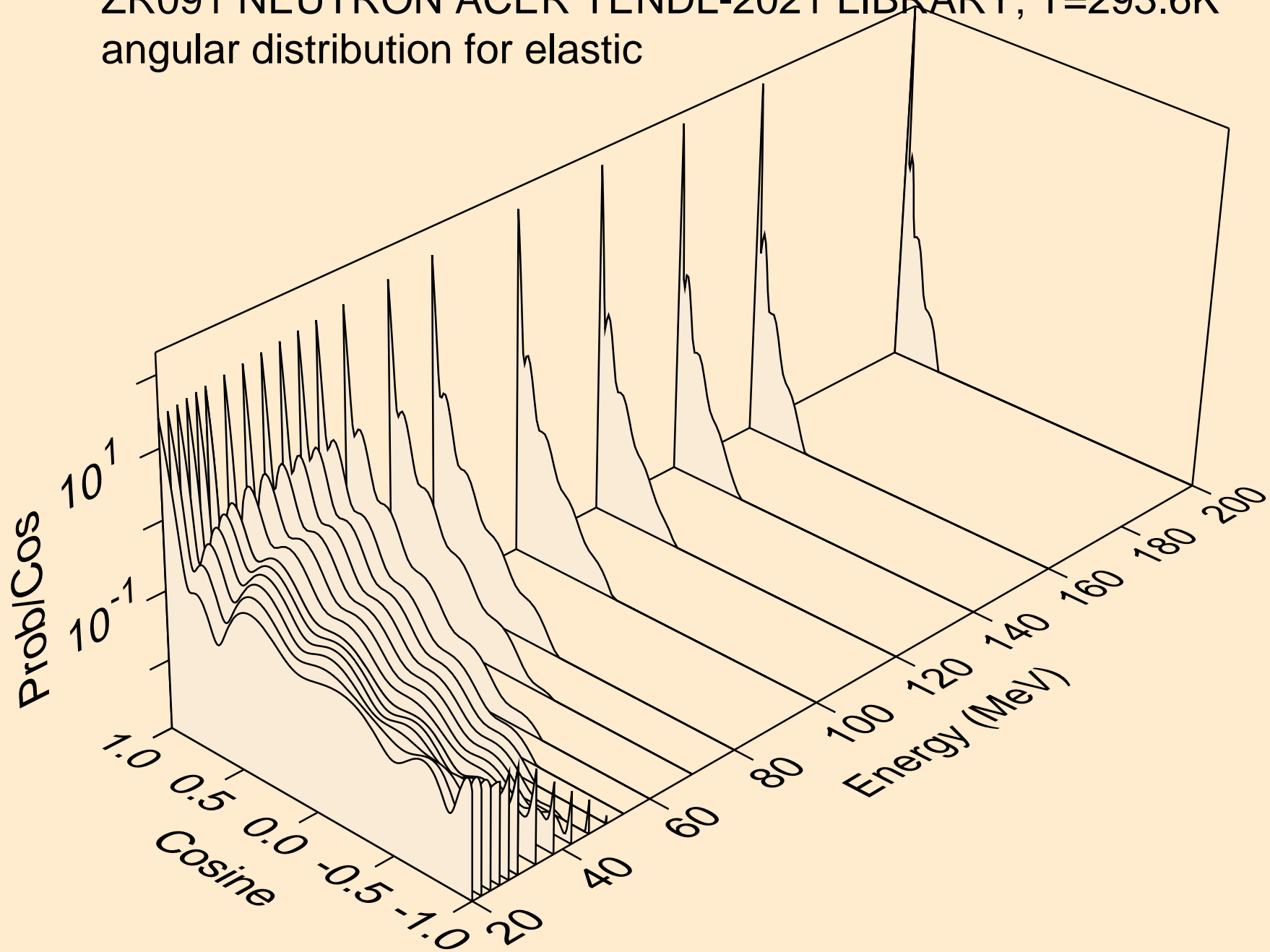
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



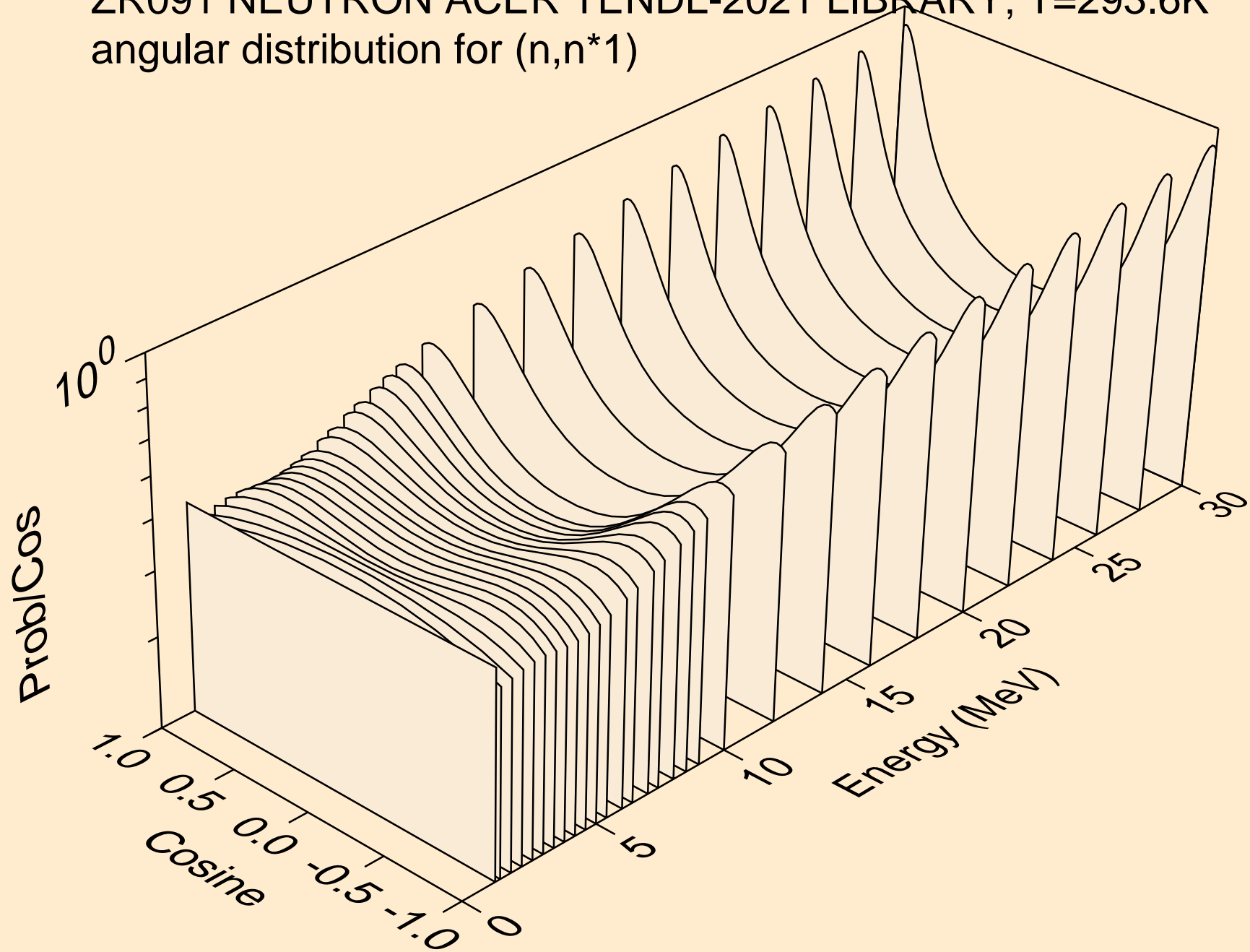
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic

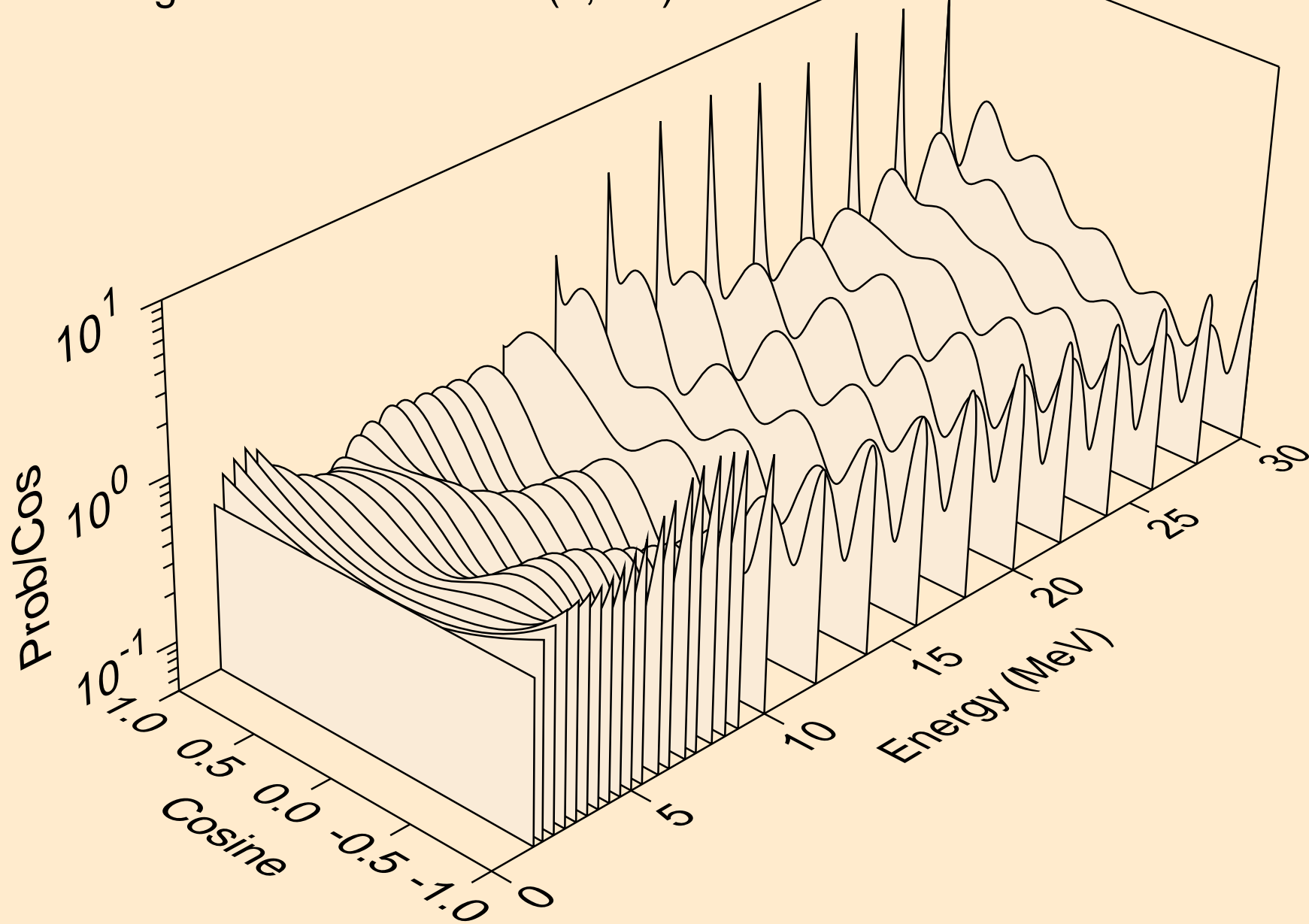


ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)

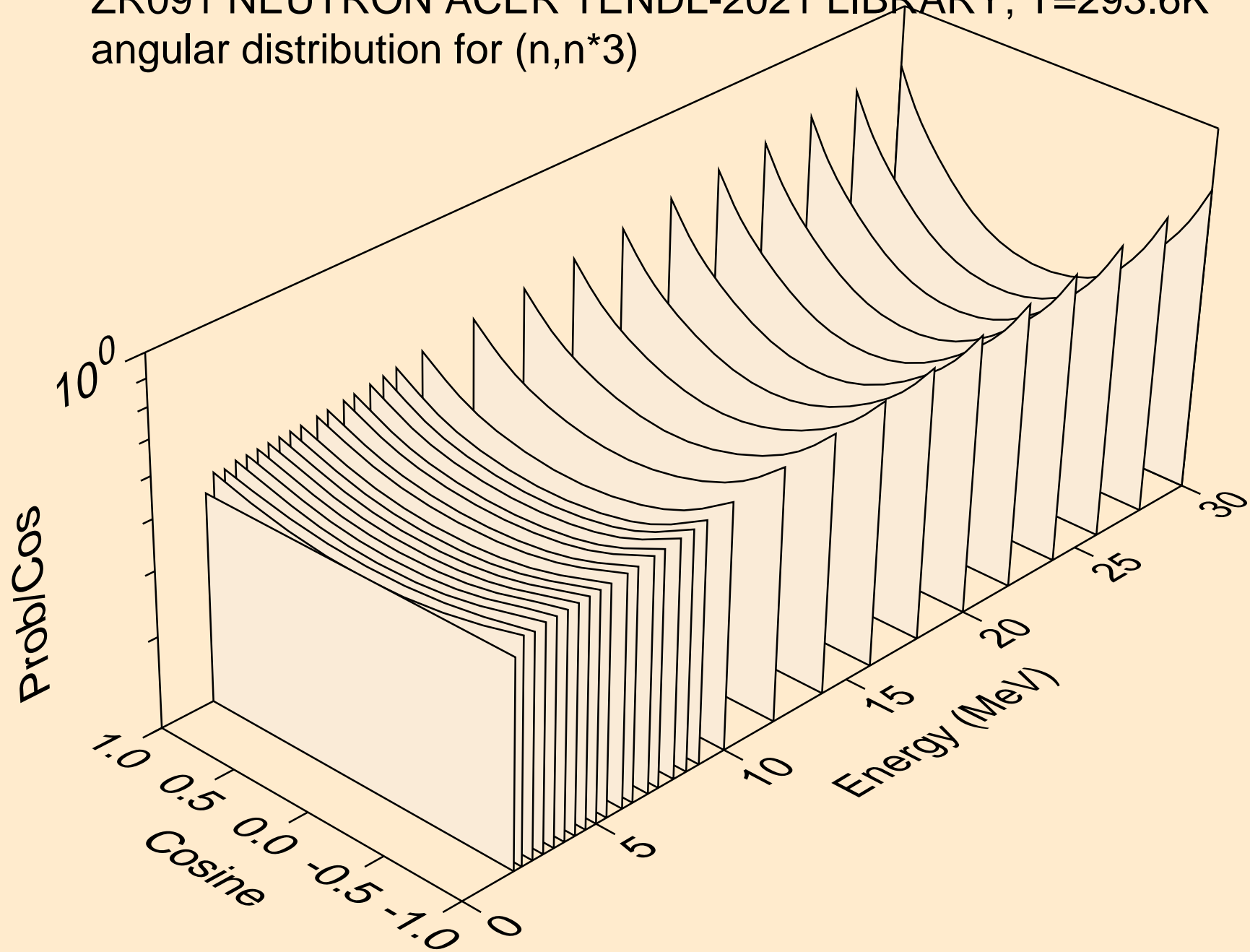




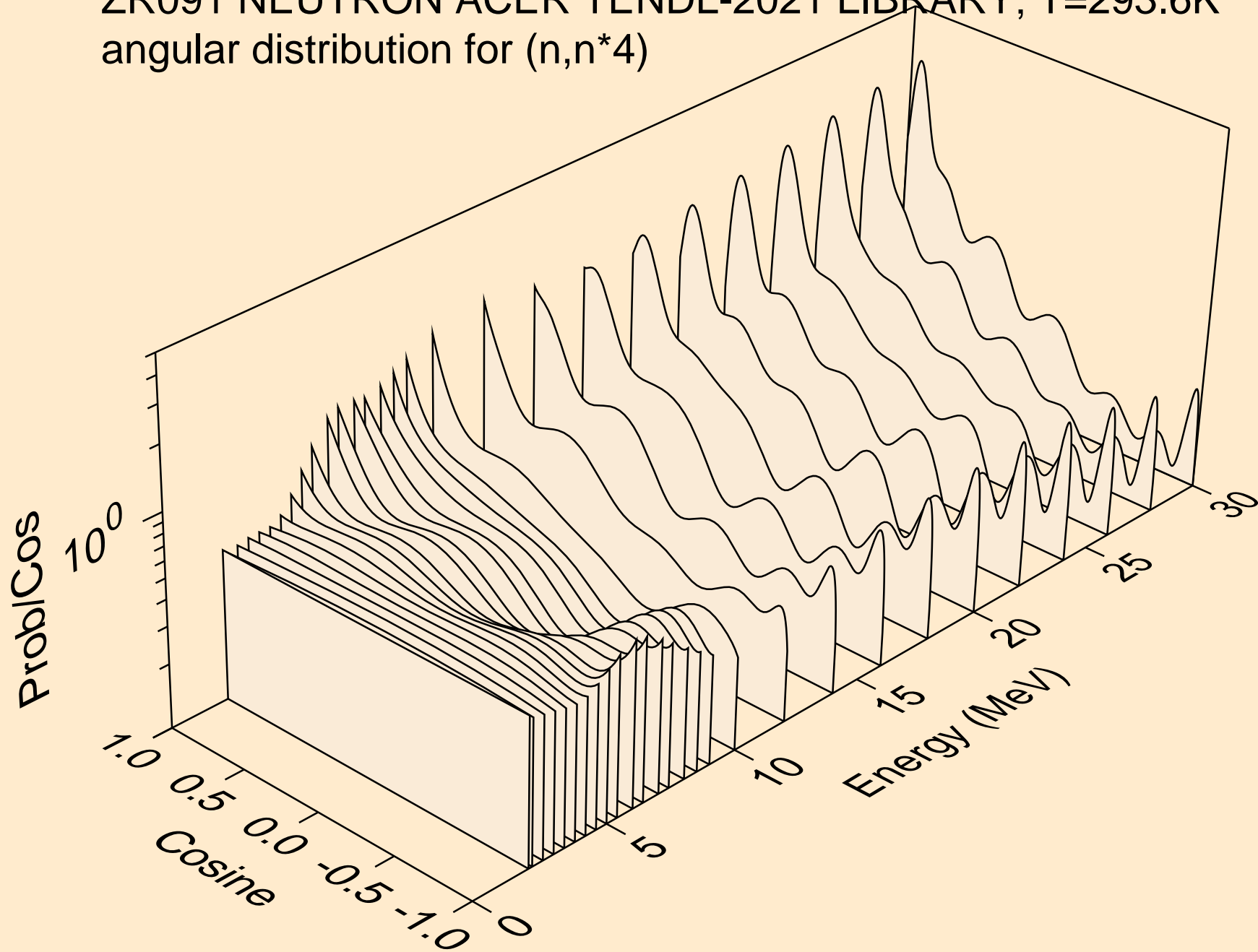
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angular distribution for (n,n\*2)



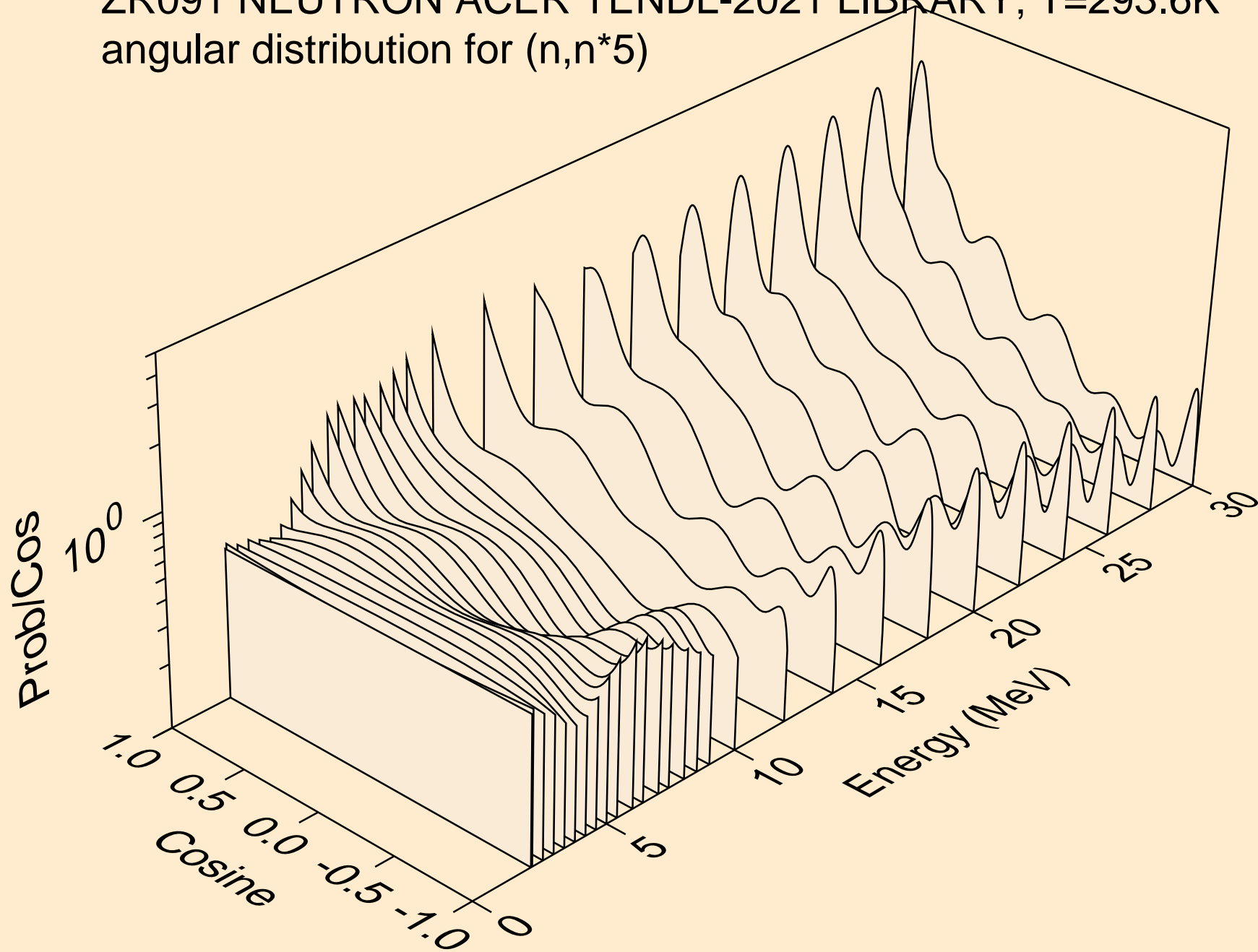
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angular distribution for (n,n\*3)



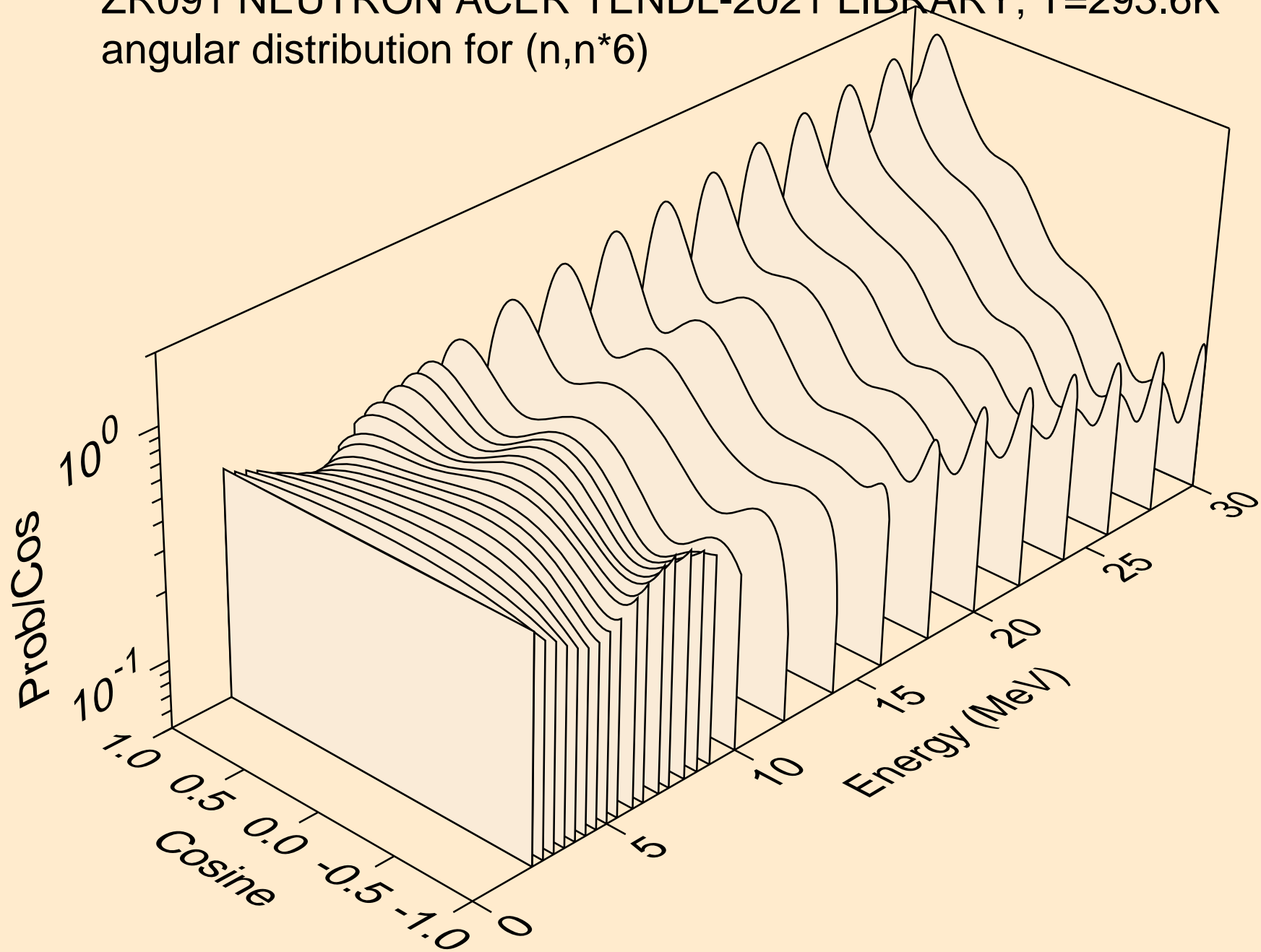
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angular distribution for (n,n\*4)



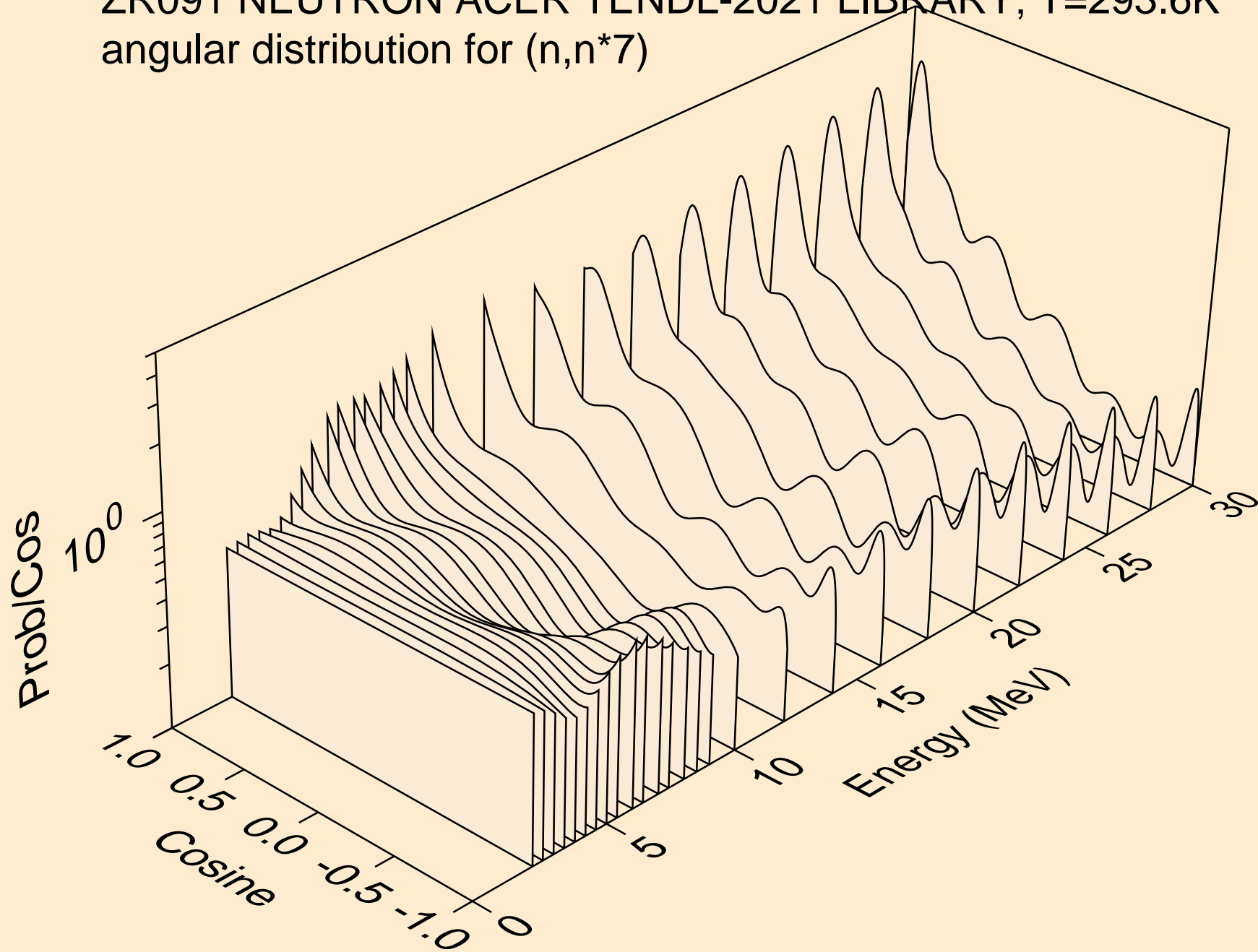
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angular distribution for (n,n\*5)



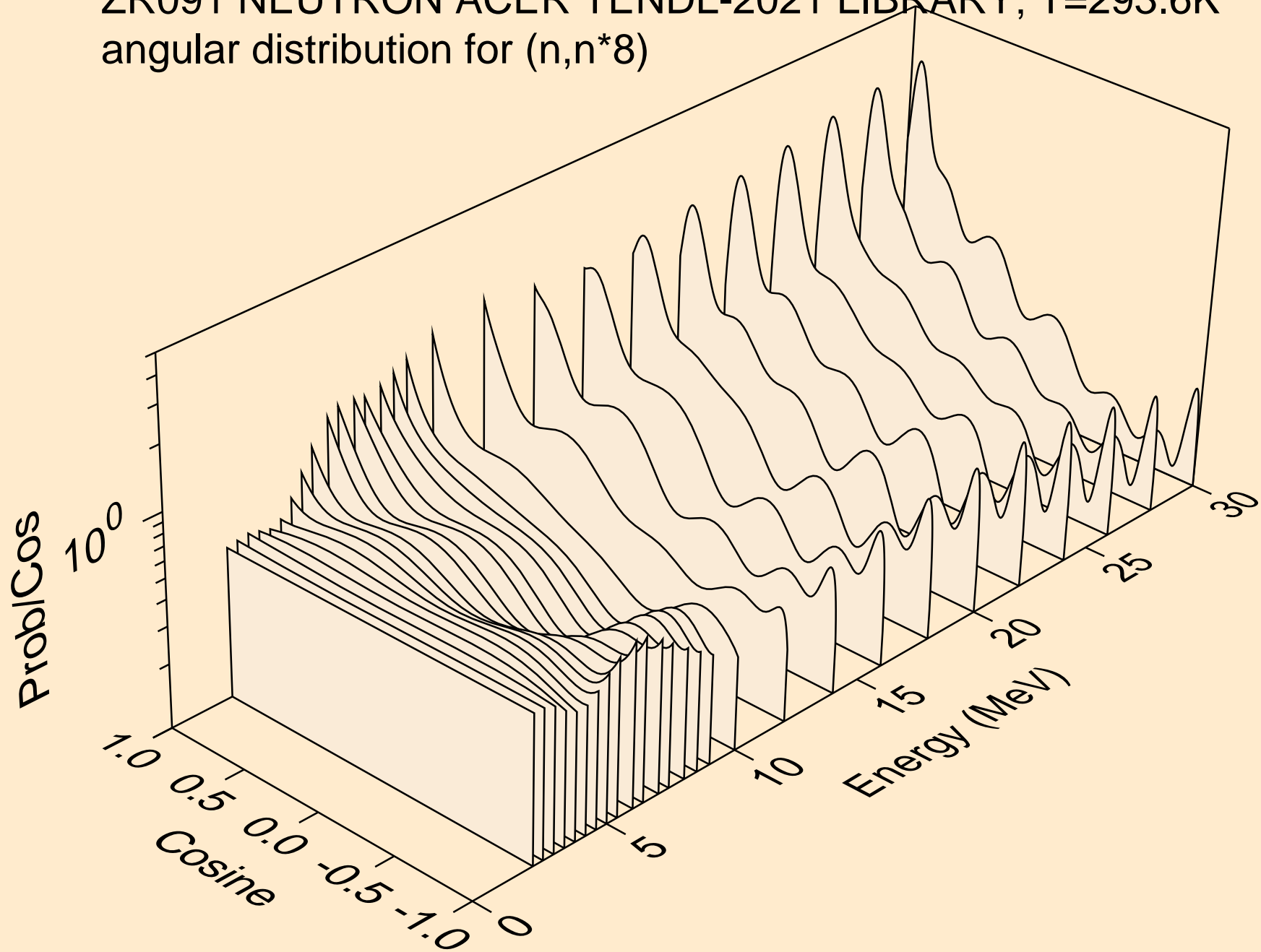
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angular distribution for (n,n\*6)



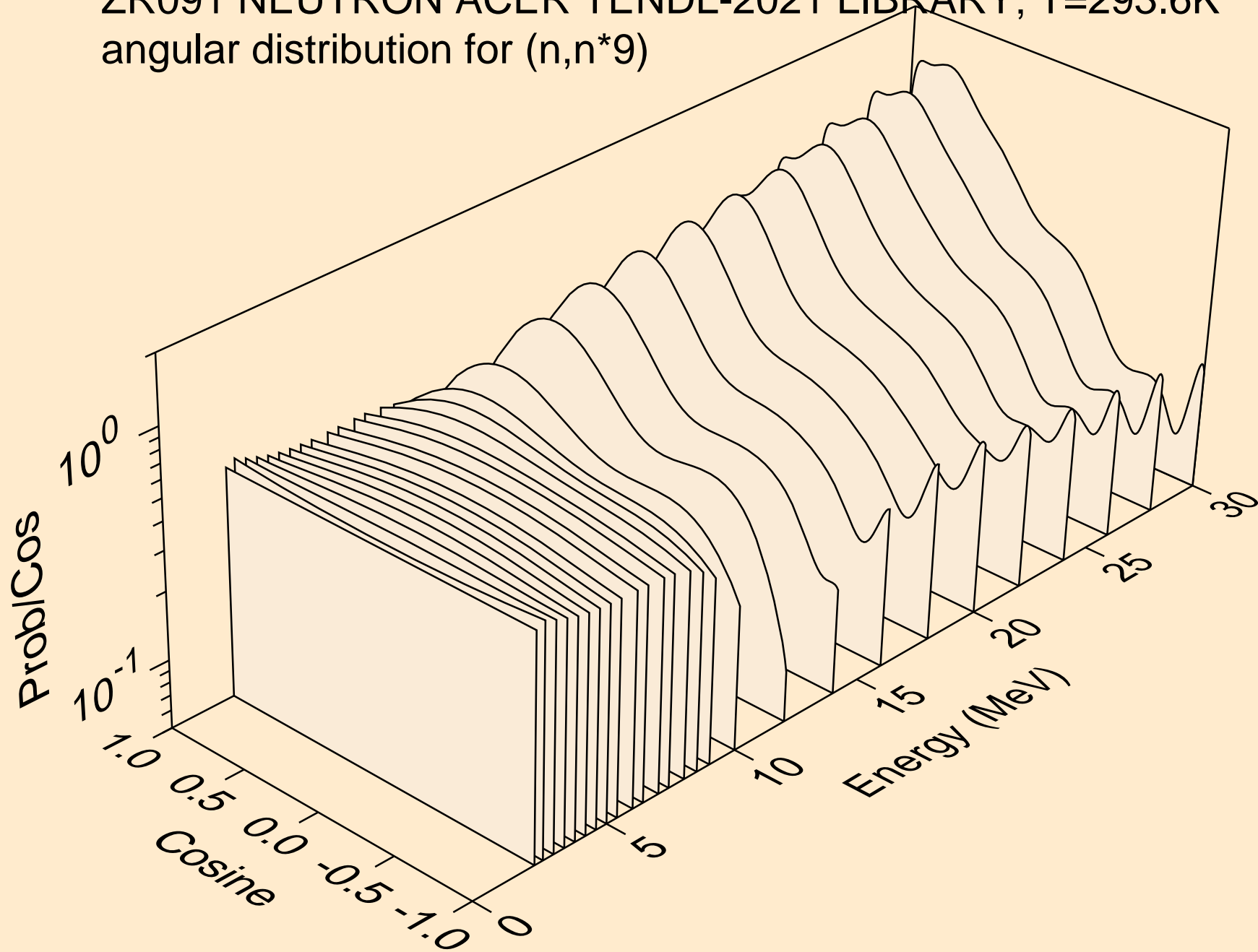
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)



ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)

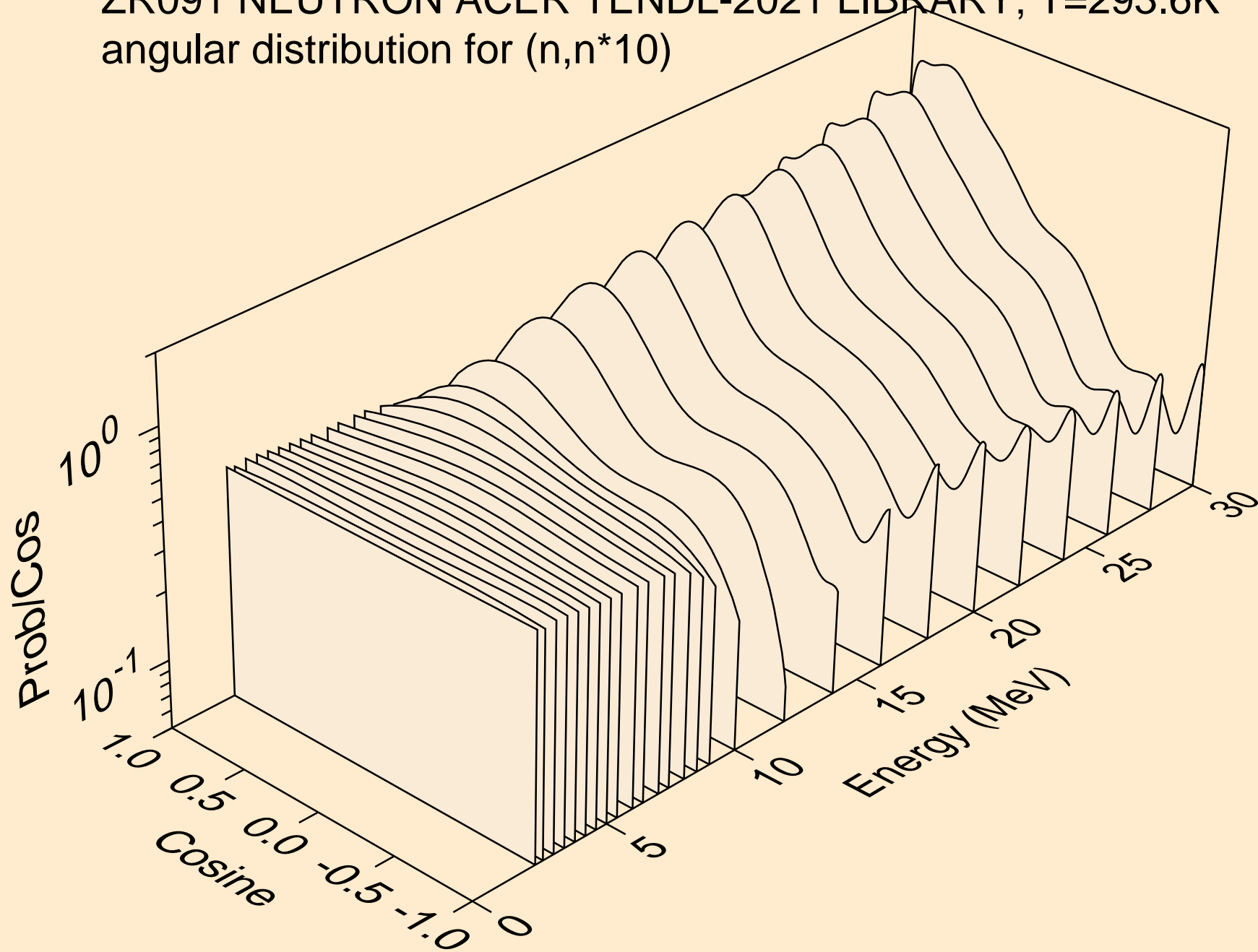


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angular distribution for (n,n\*9)

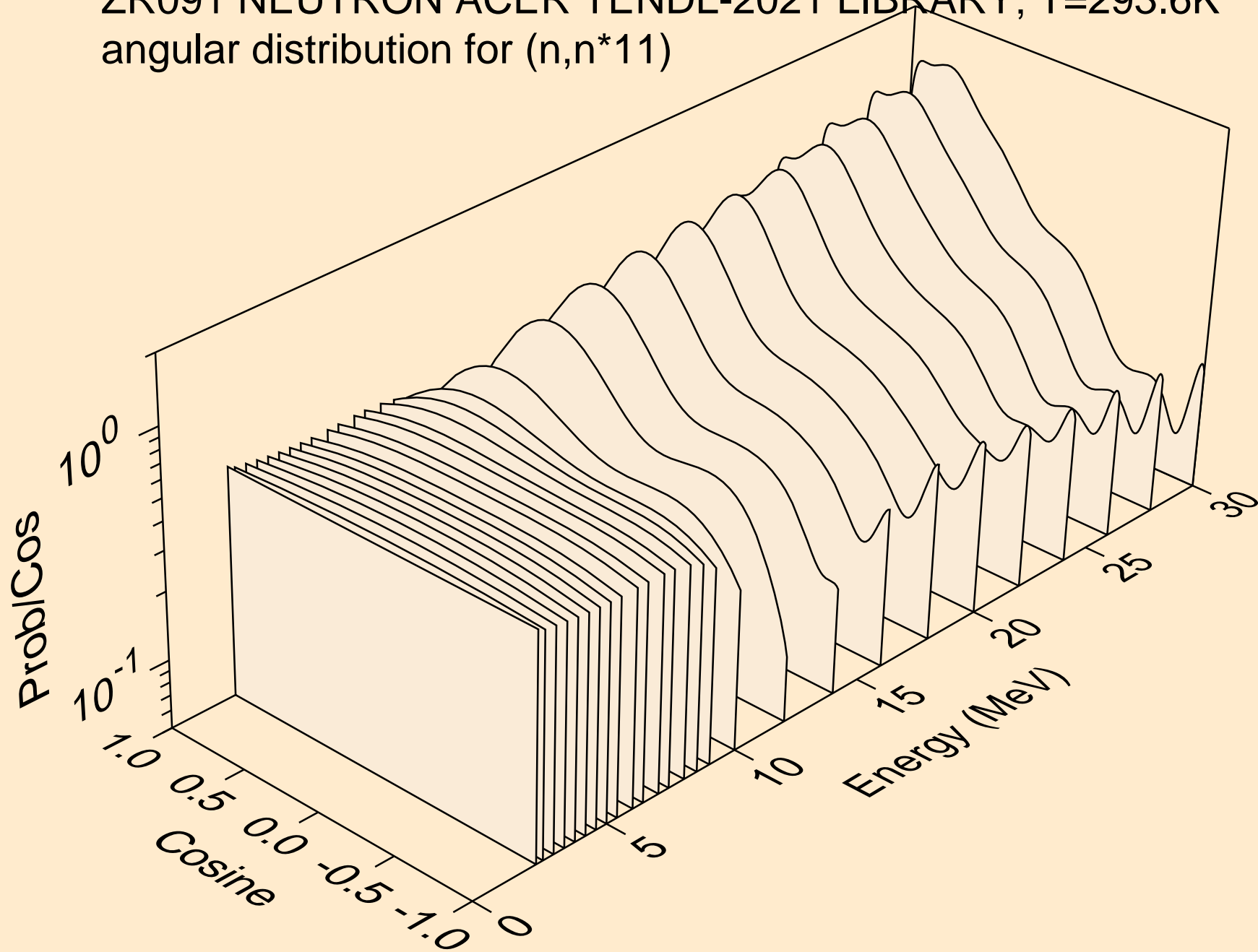




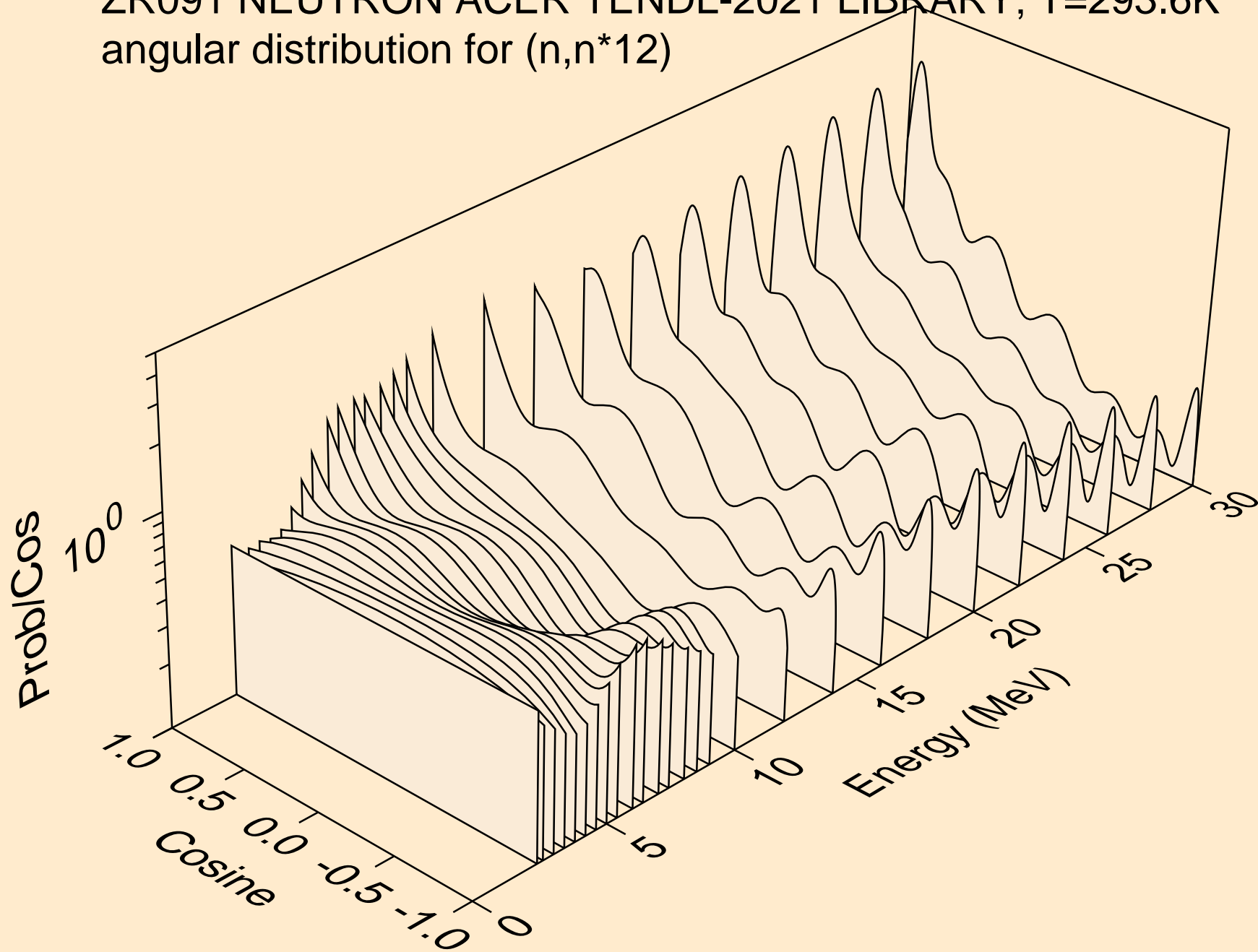
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angular distribution for (n,n\*10)



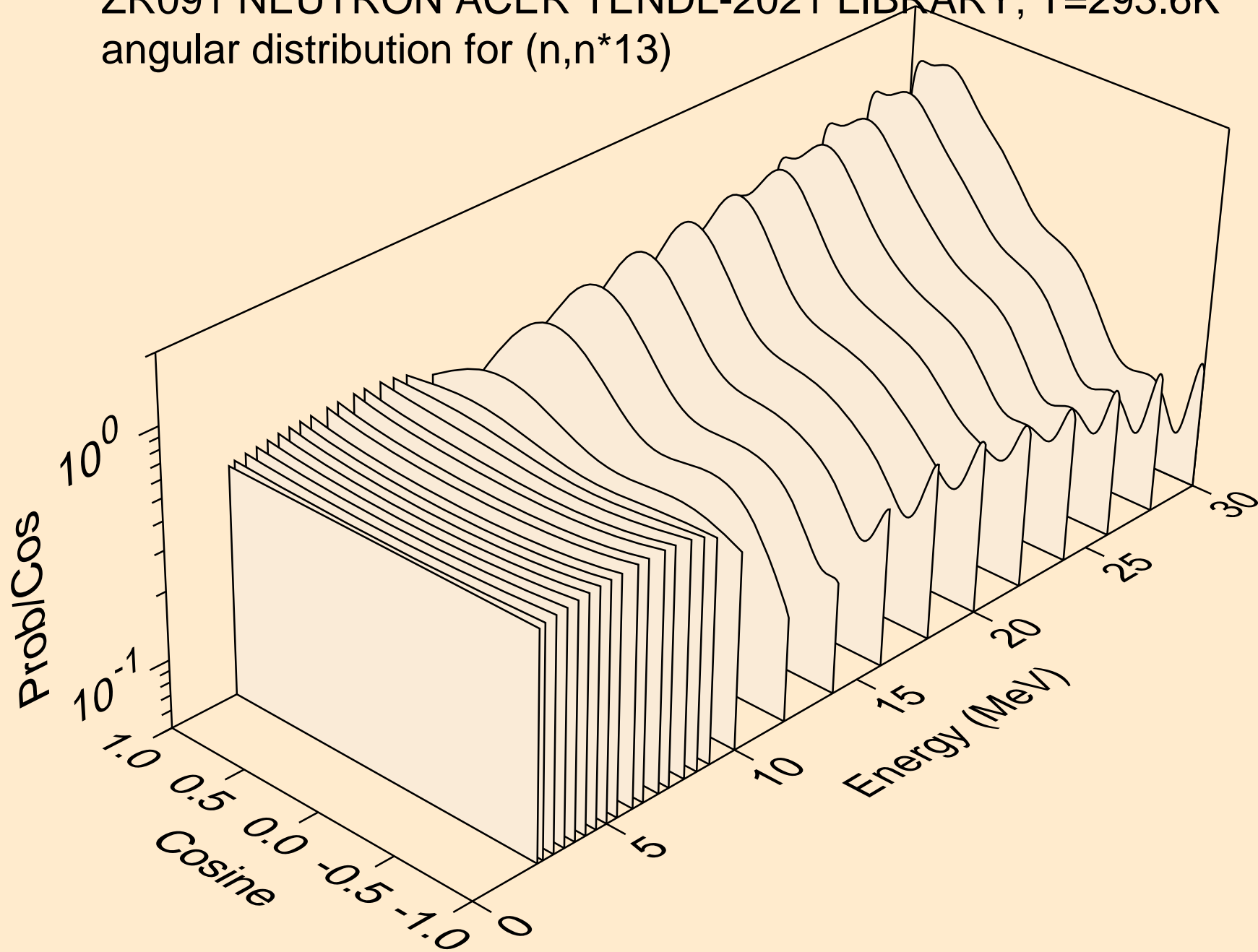
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angular distribution for (n,n\*11)



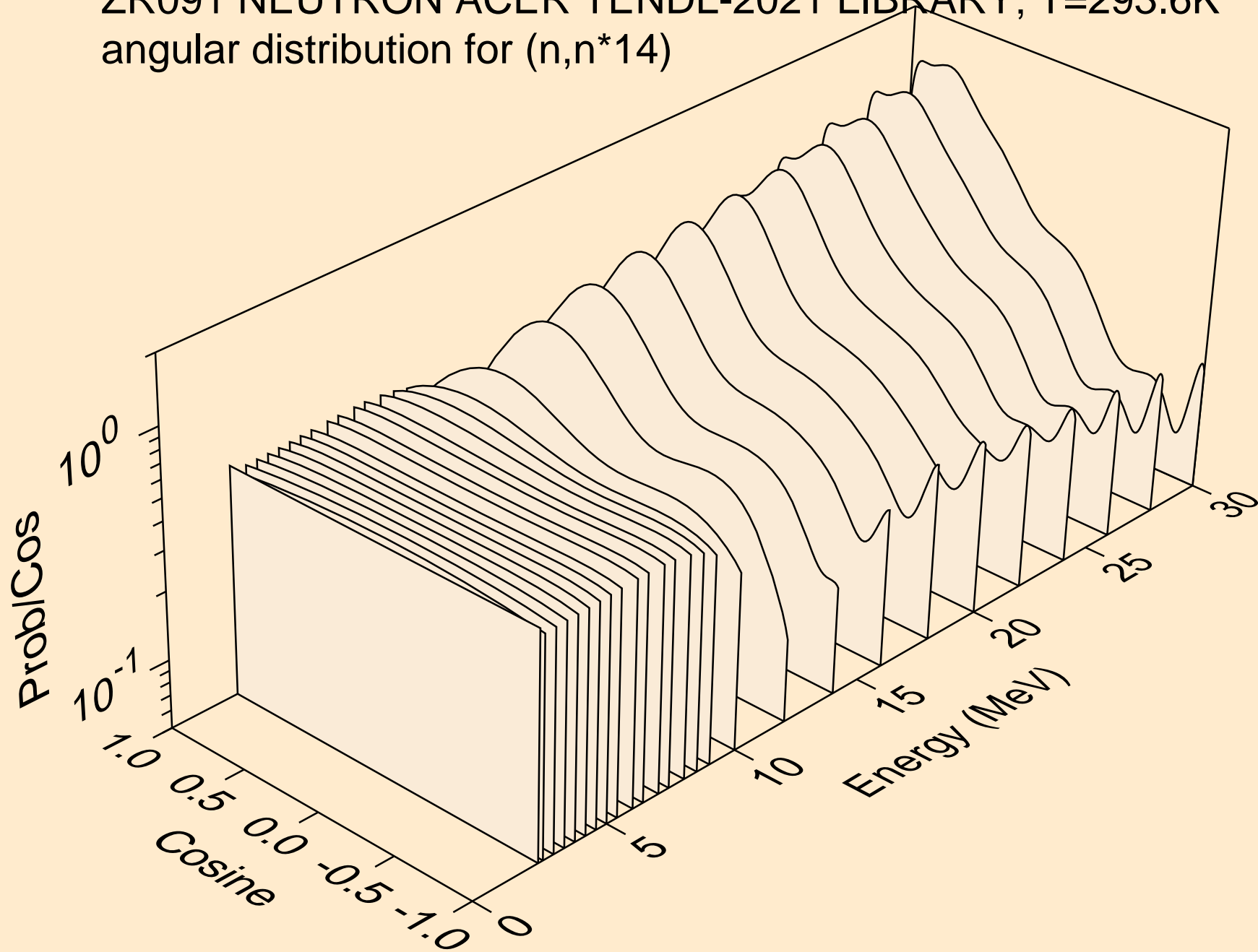
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angular distribution for (n,n\*12)



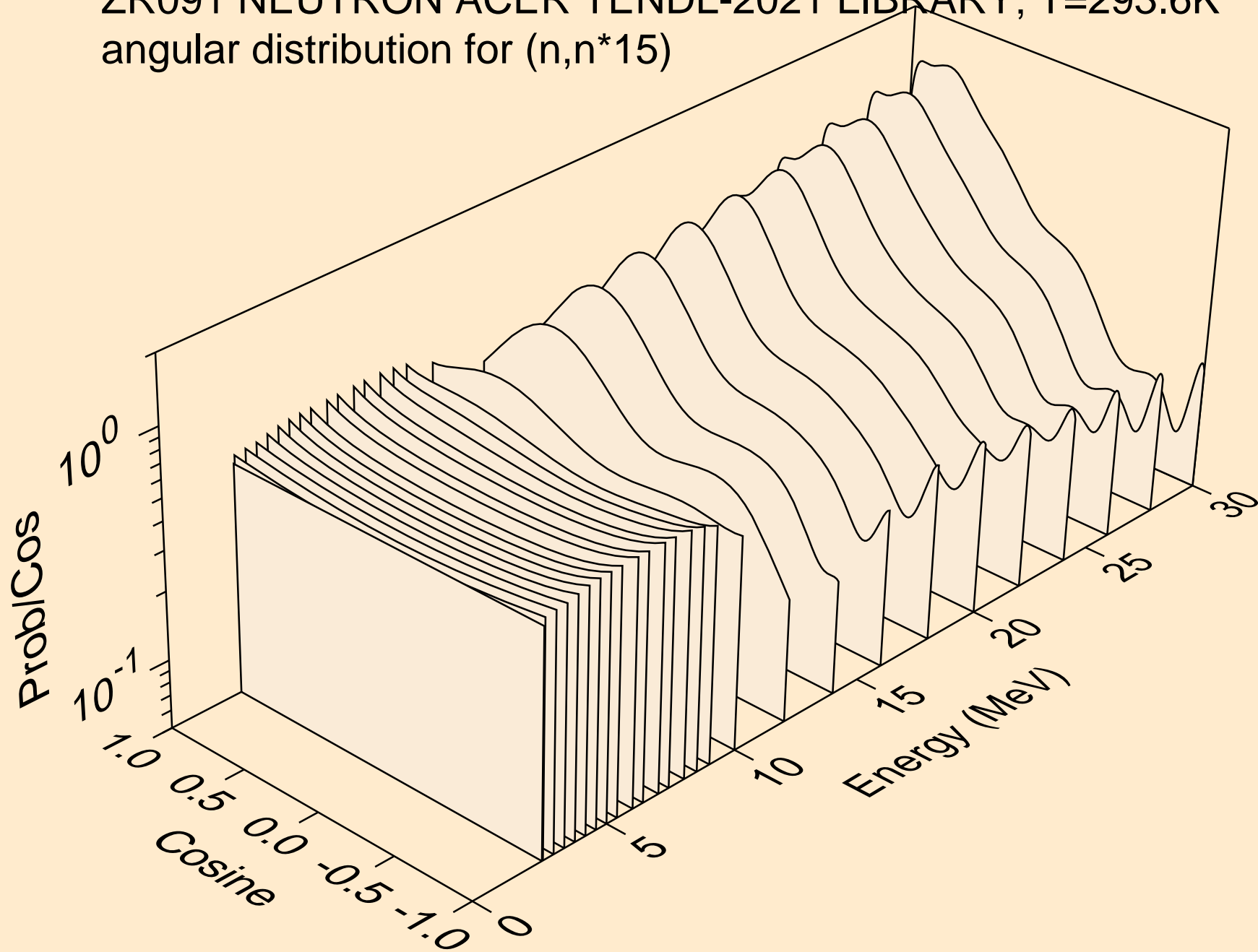
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angular distribution for (n,n\*13)



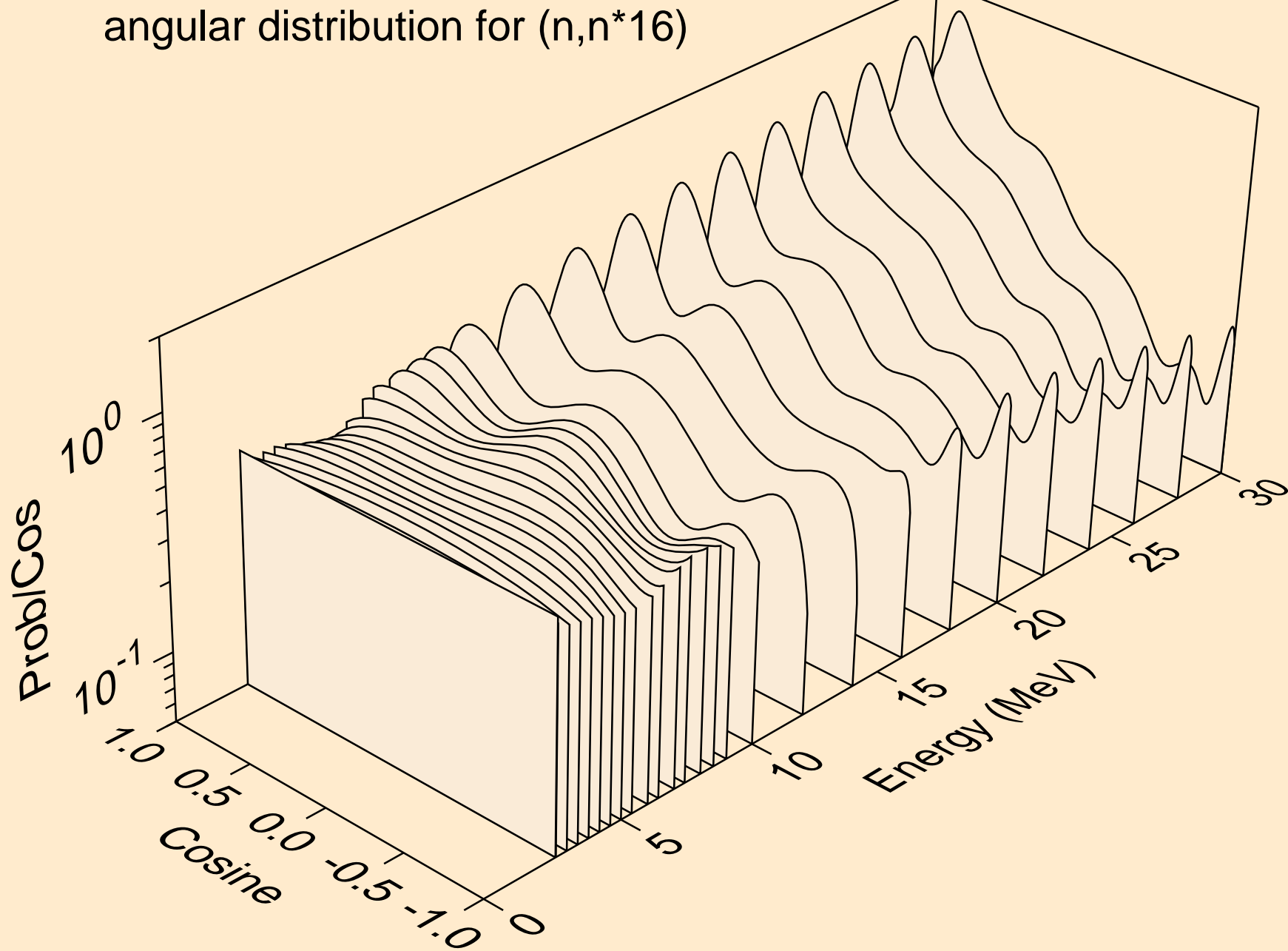
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angular distribution for (n,n\*14)



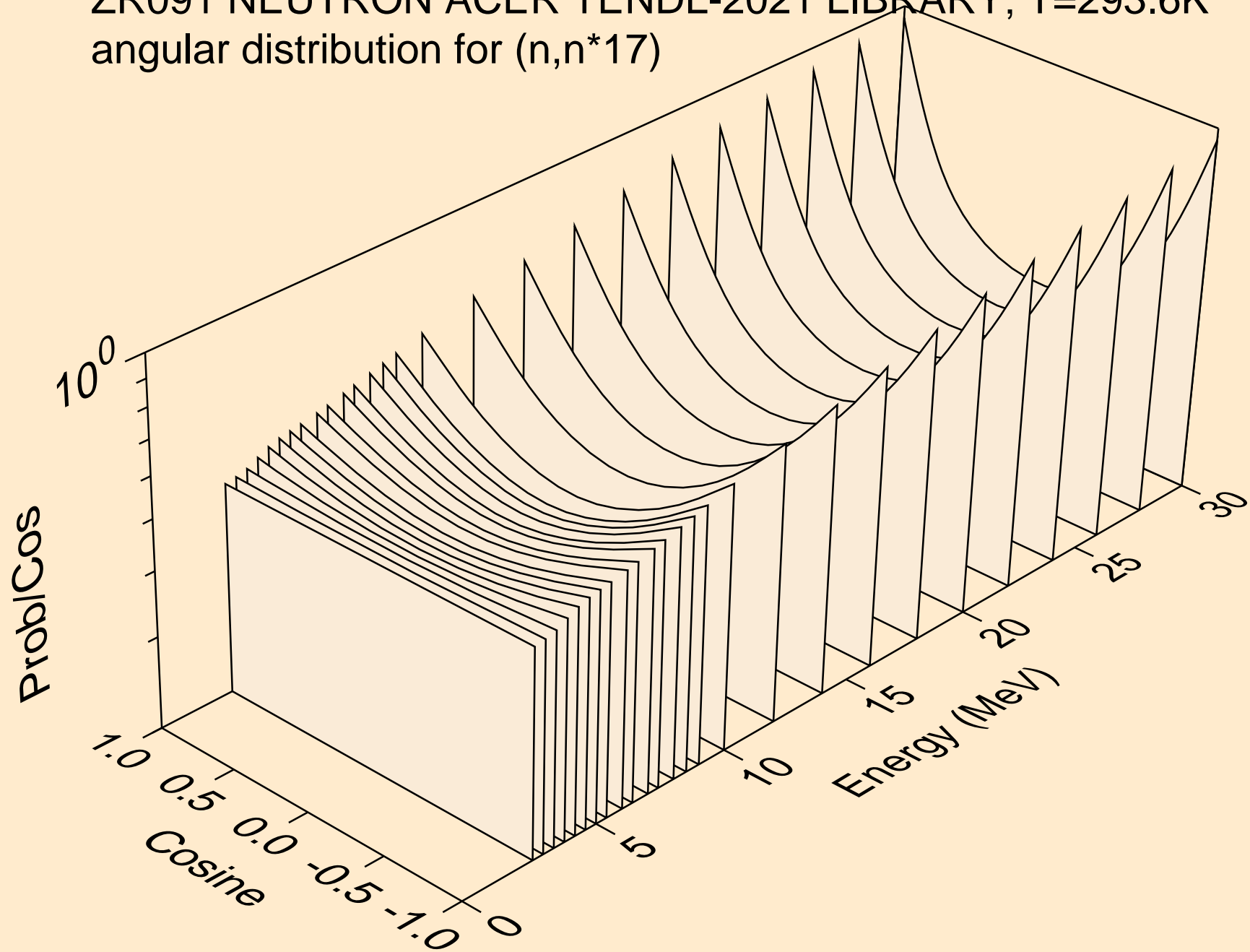
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*15)



ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*16)

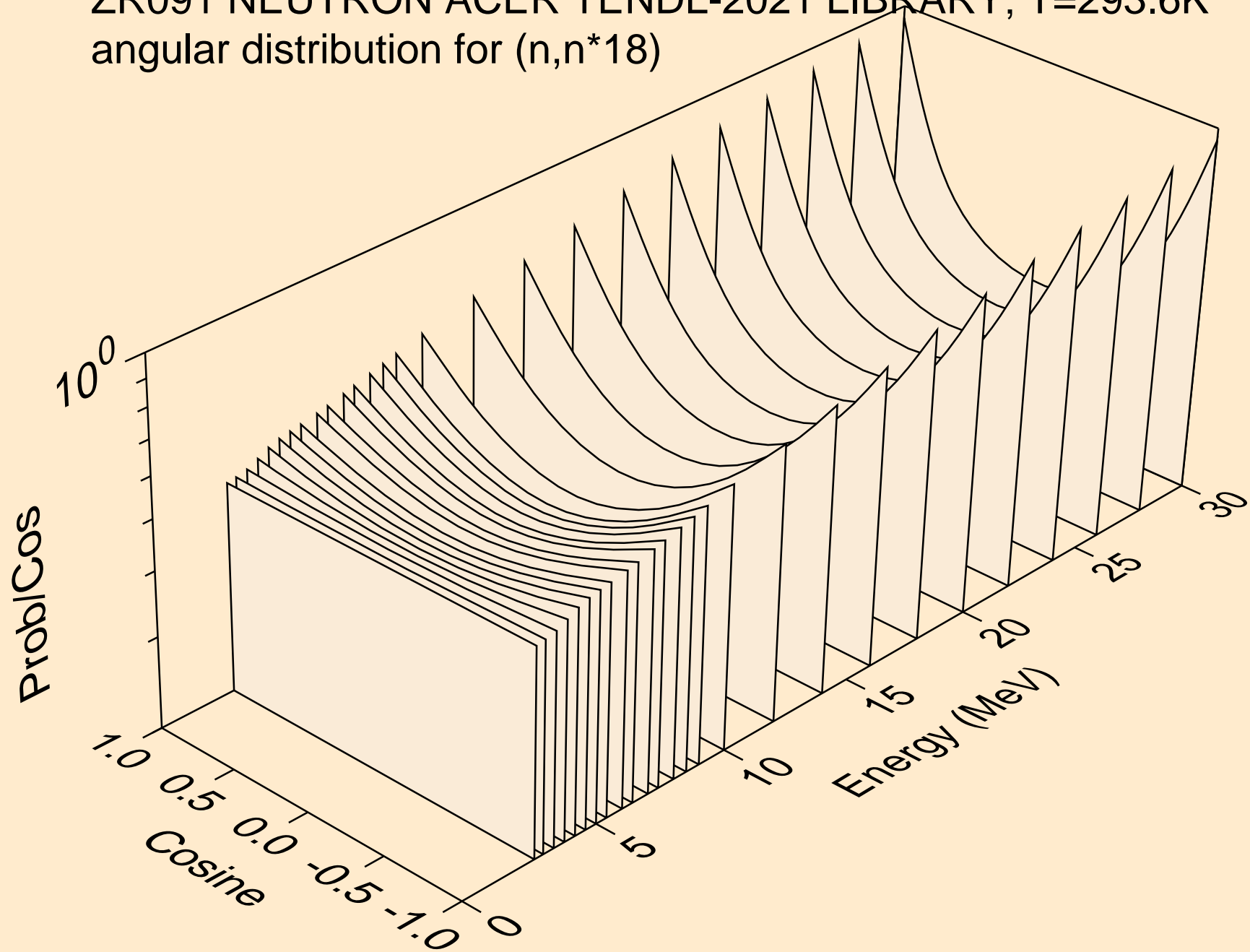


ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*17)

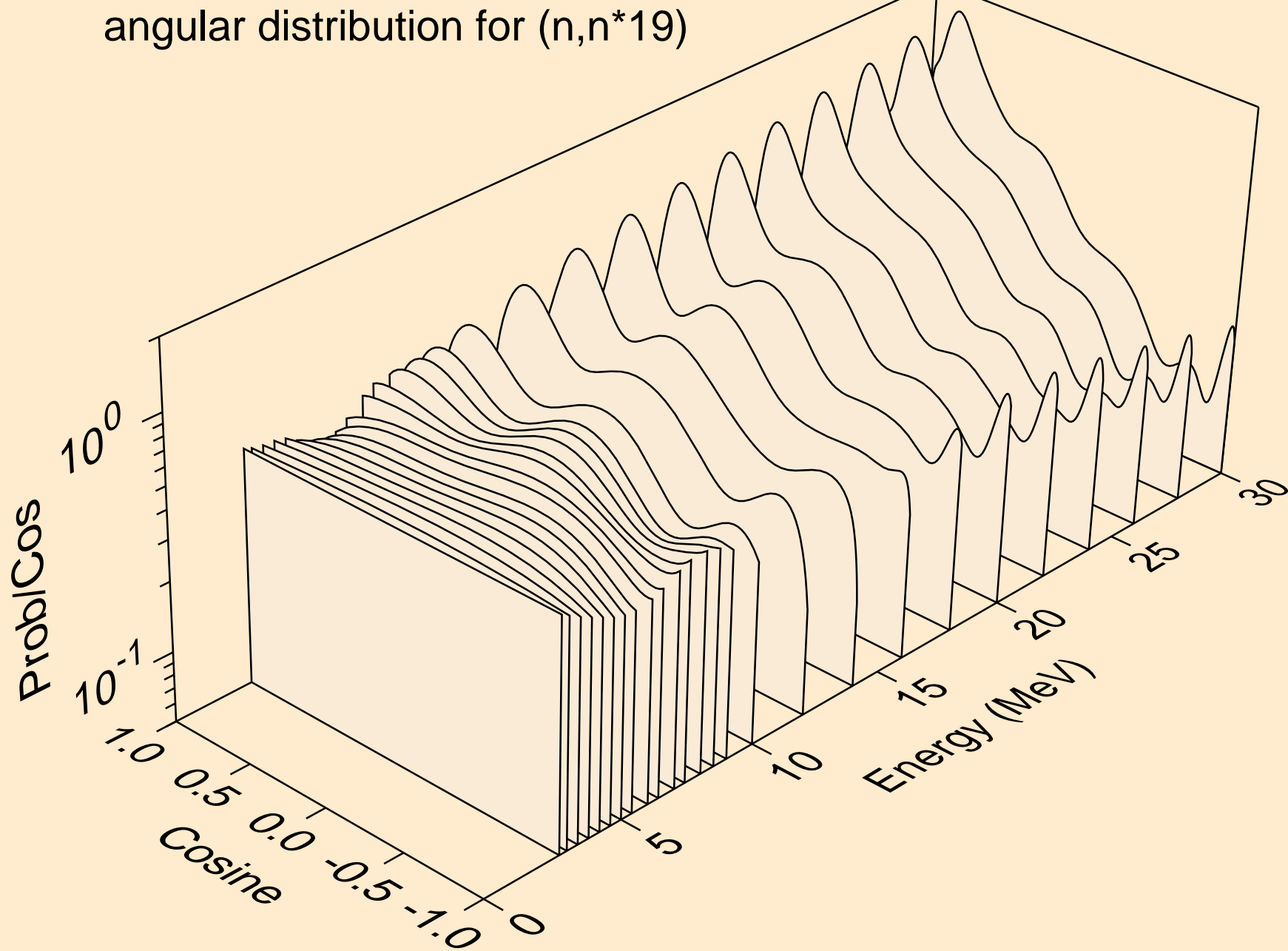




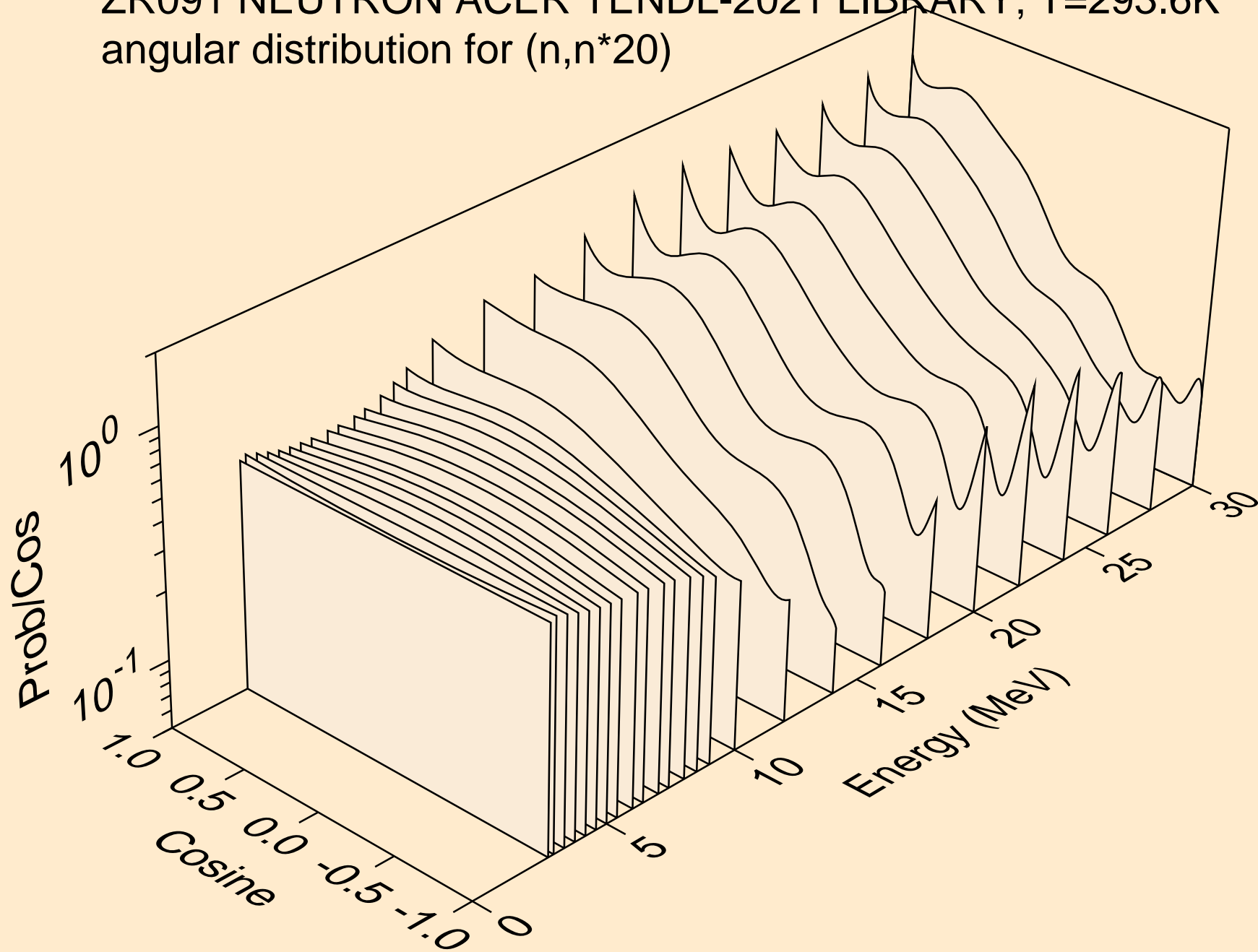
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angular distribution for (n,n\*18)



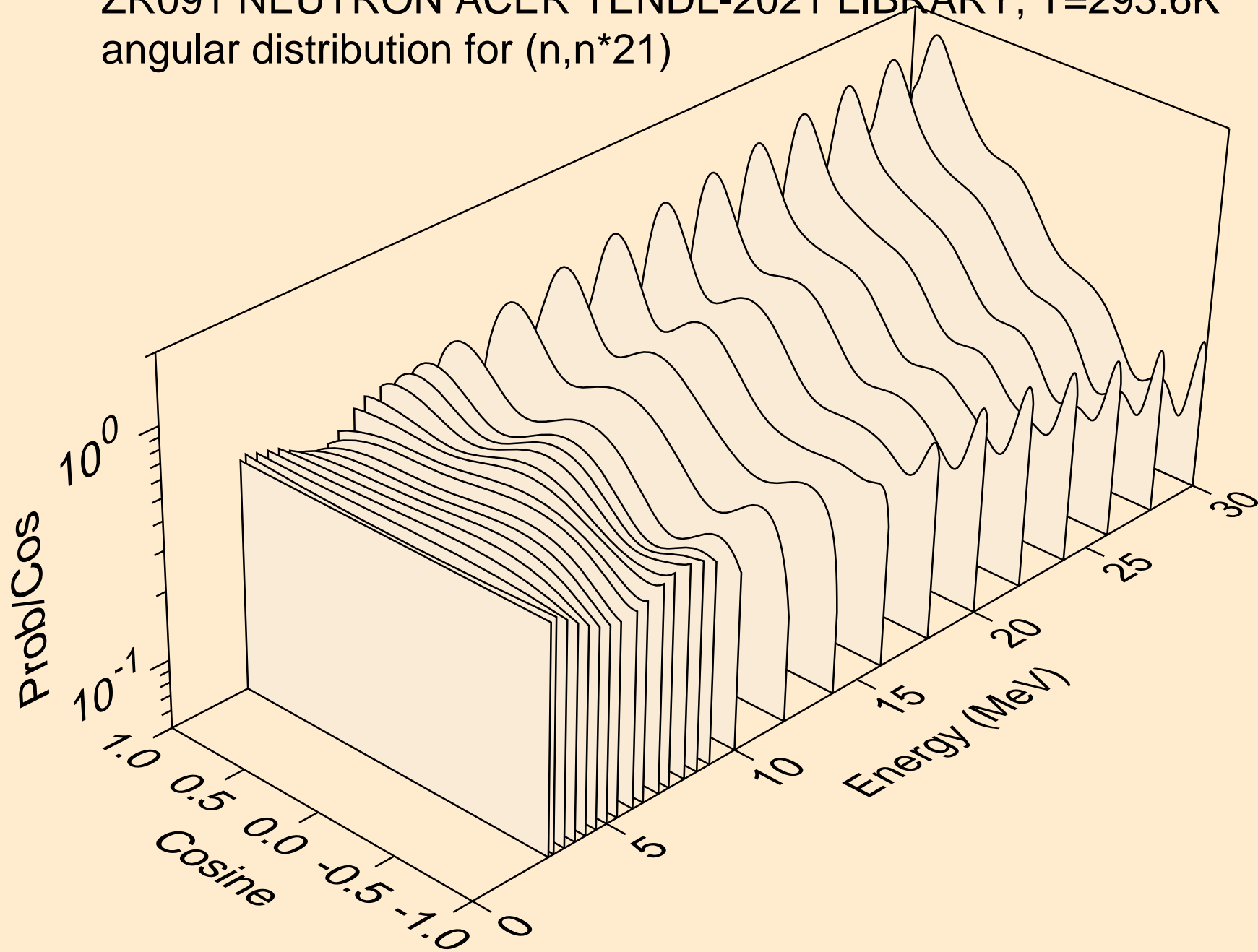
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angular distribution for (n,n\*19)



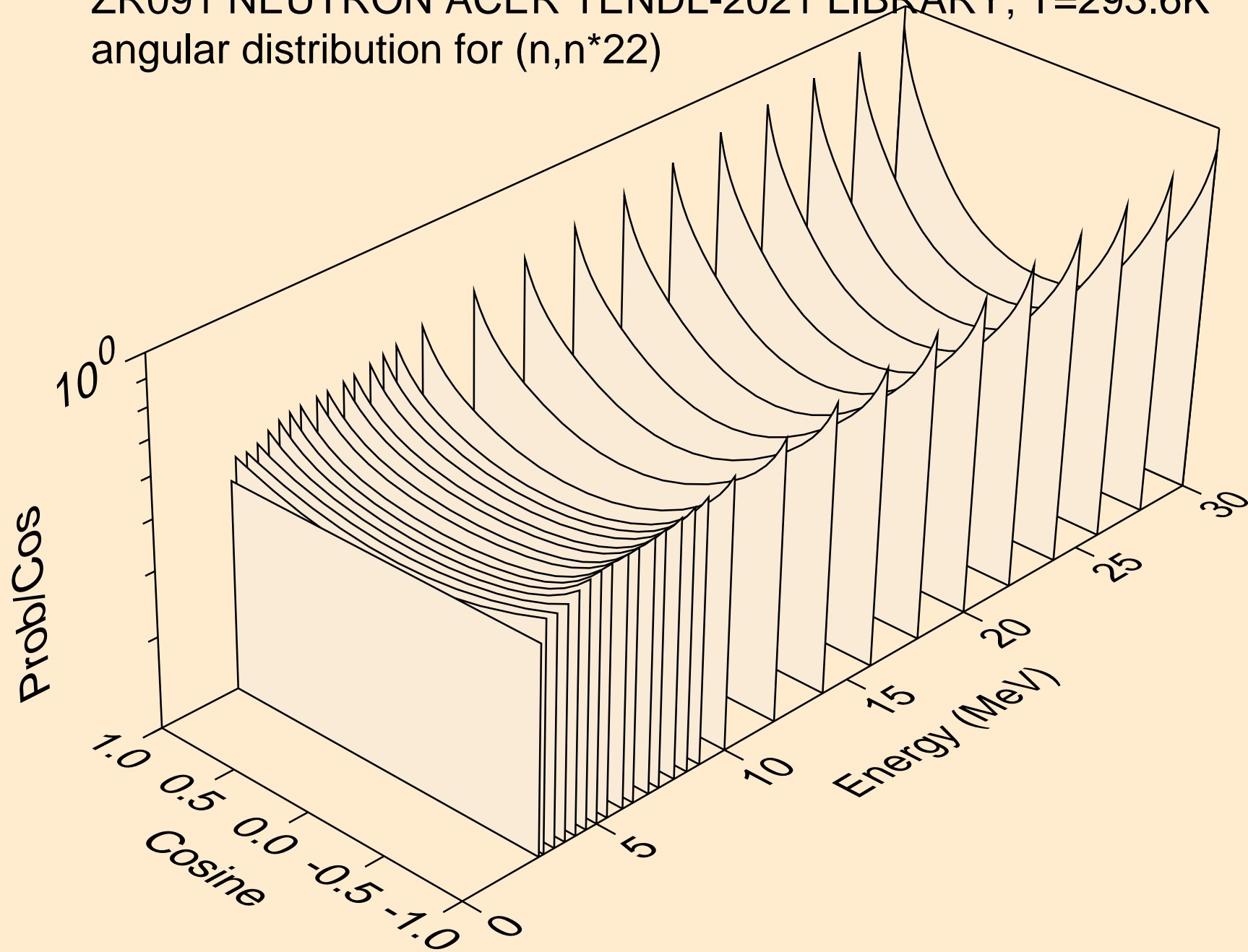
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angular distribution for (n,n\*20)



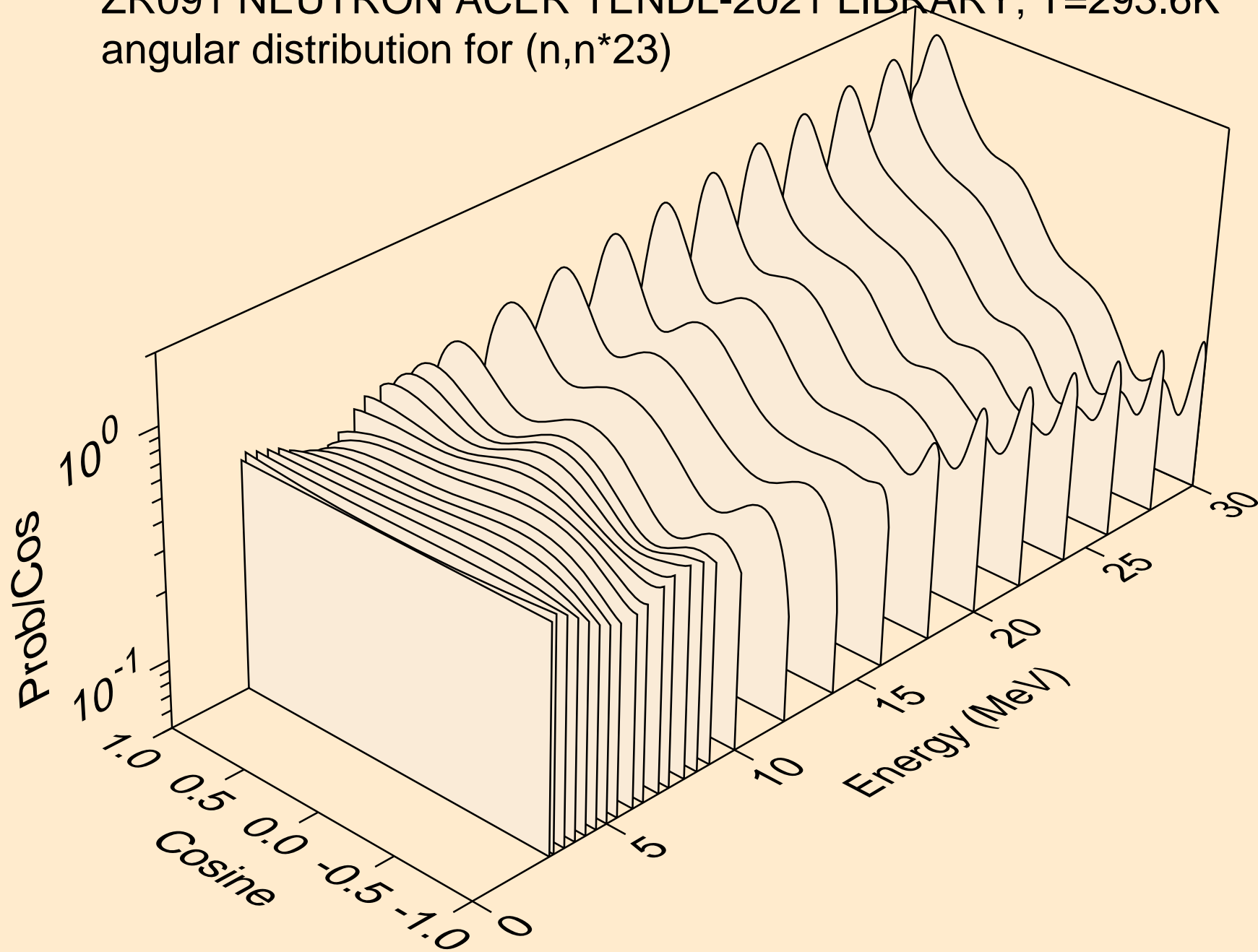
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angular distribution for (n,n\*21)



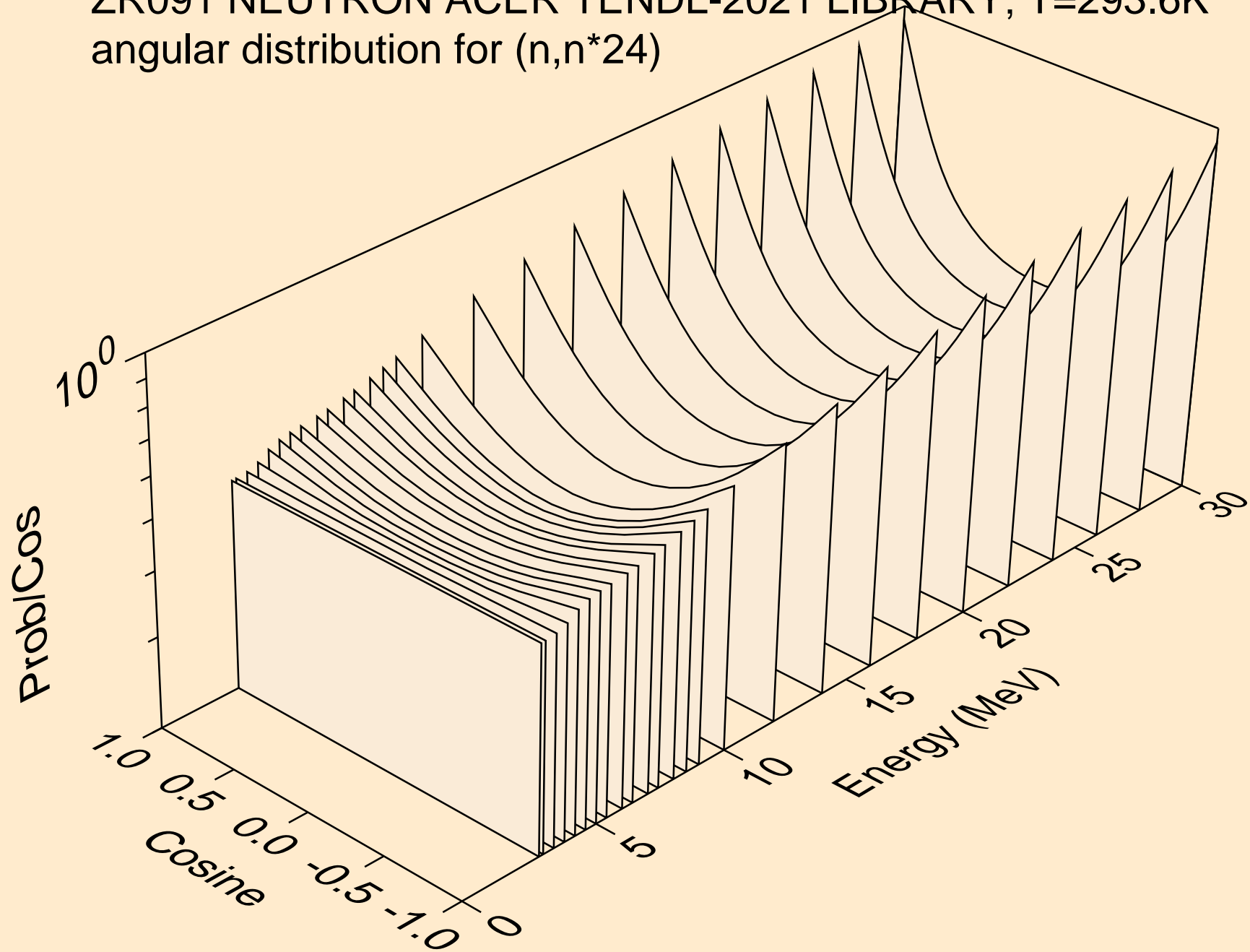
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angular distribution for (n,n\*22)



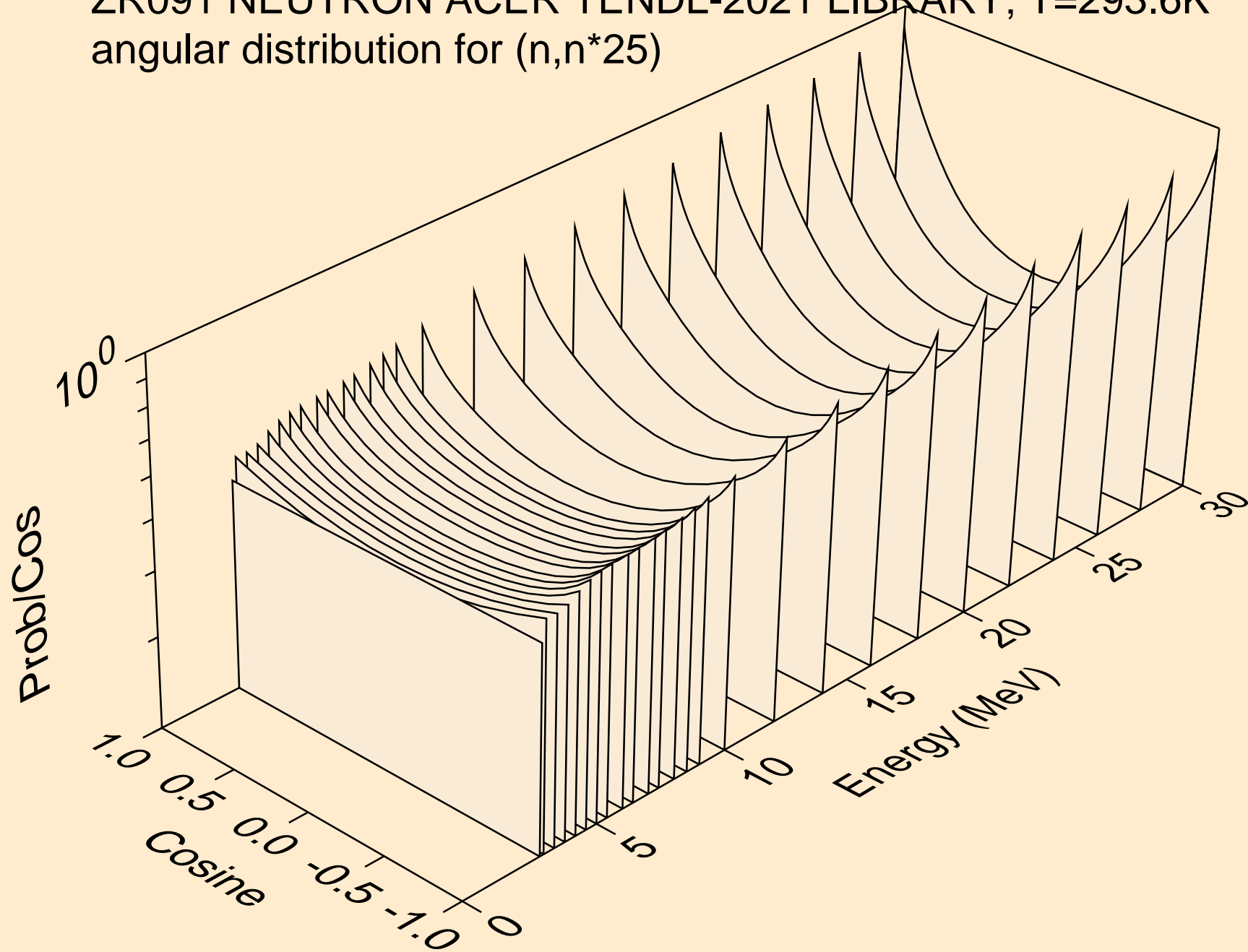
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*23)



ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*24)

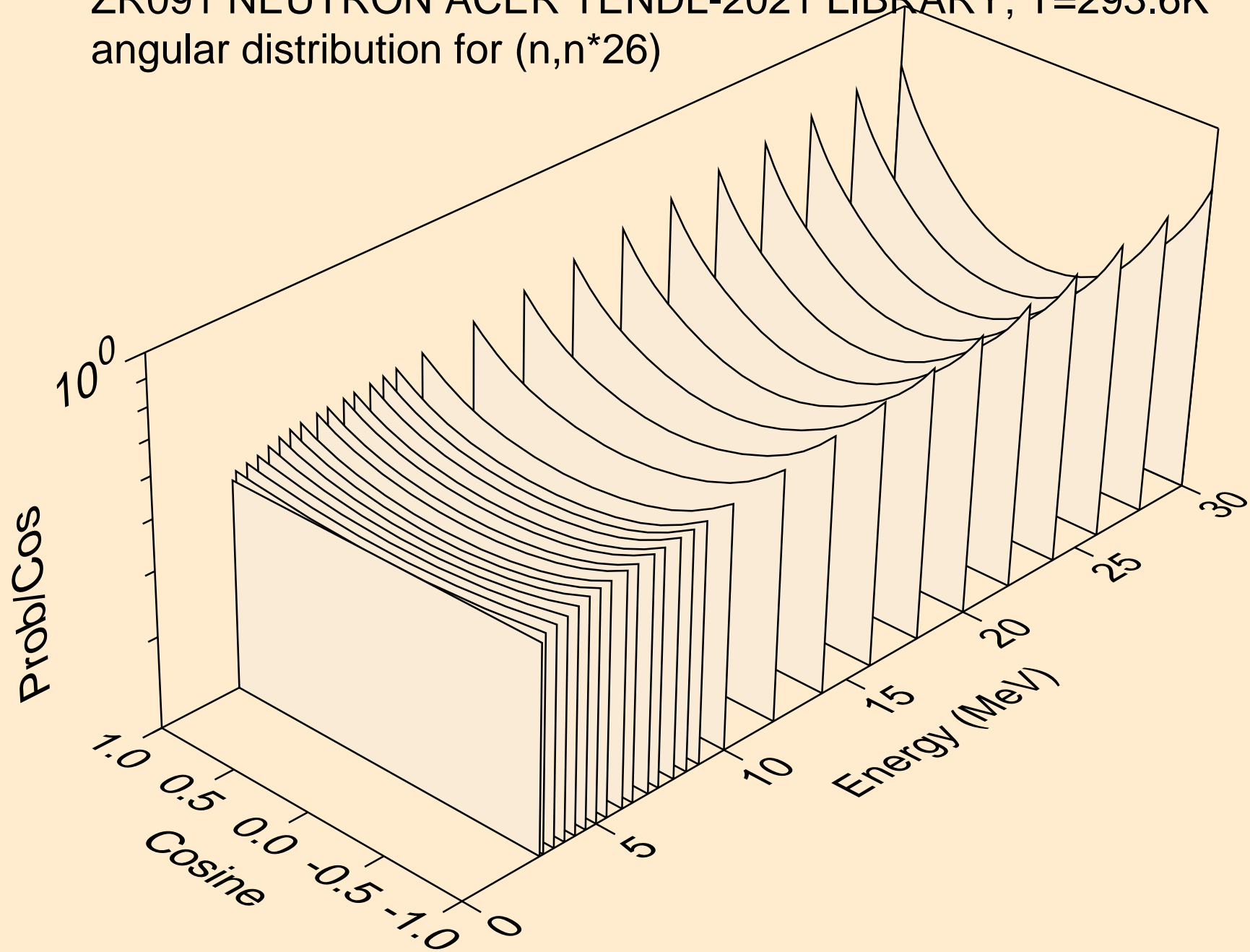


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angular distribution for (n,n\*25)

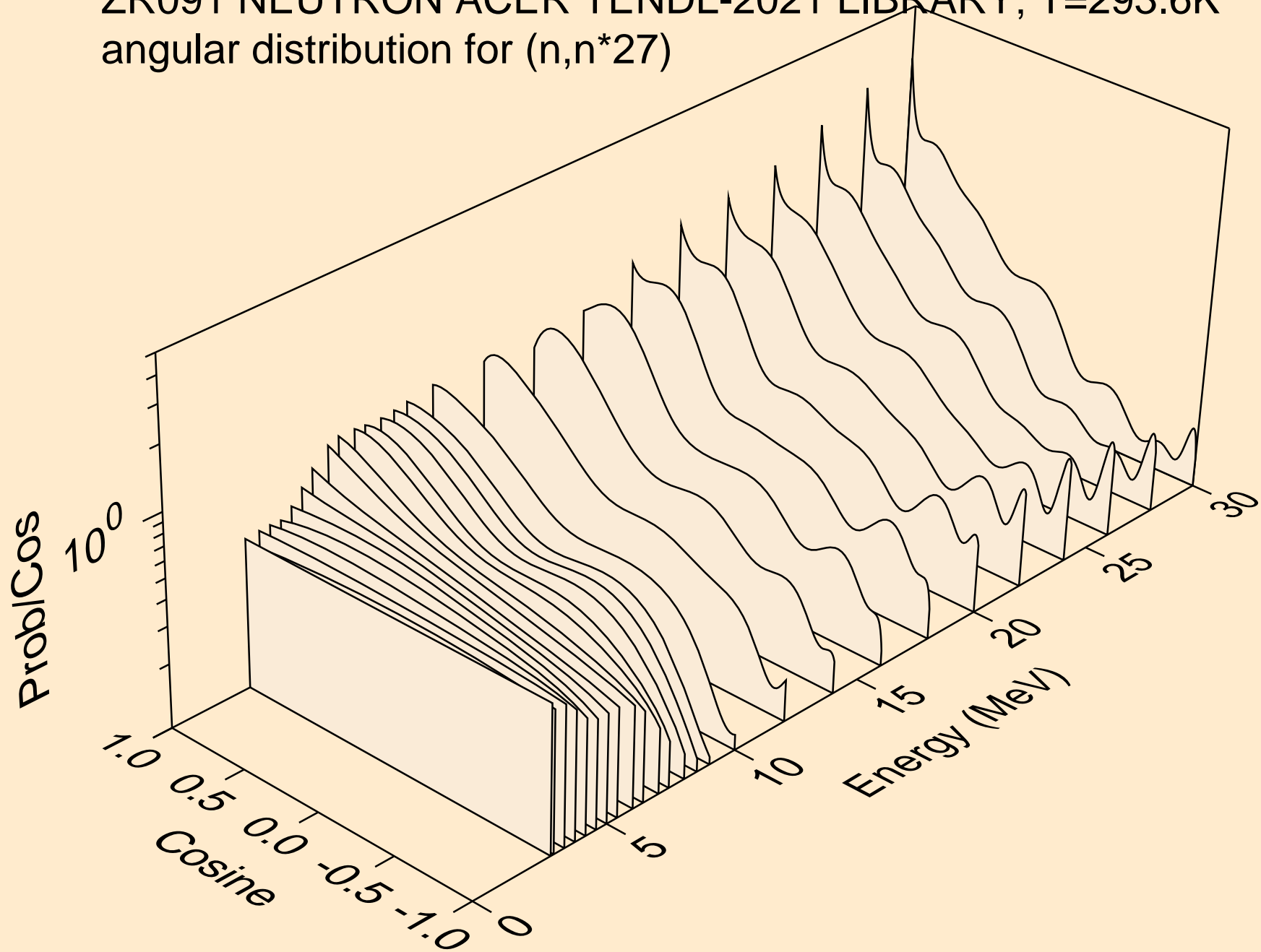




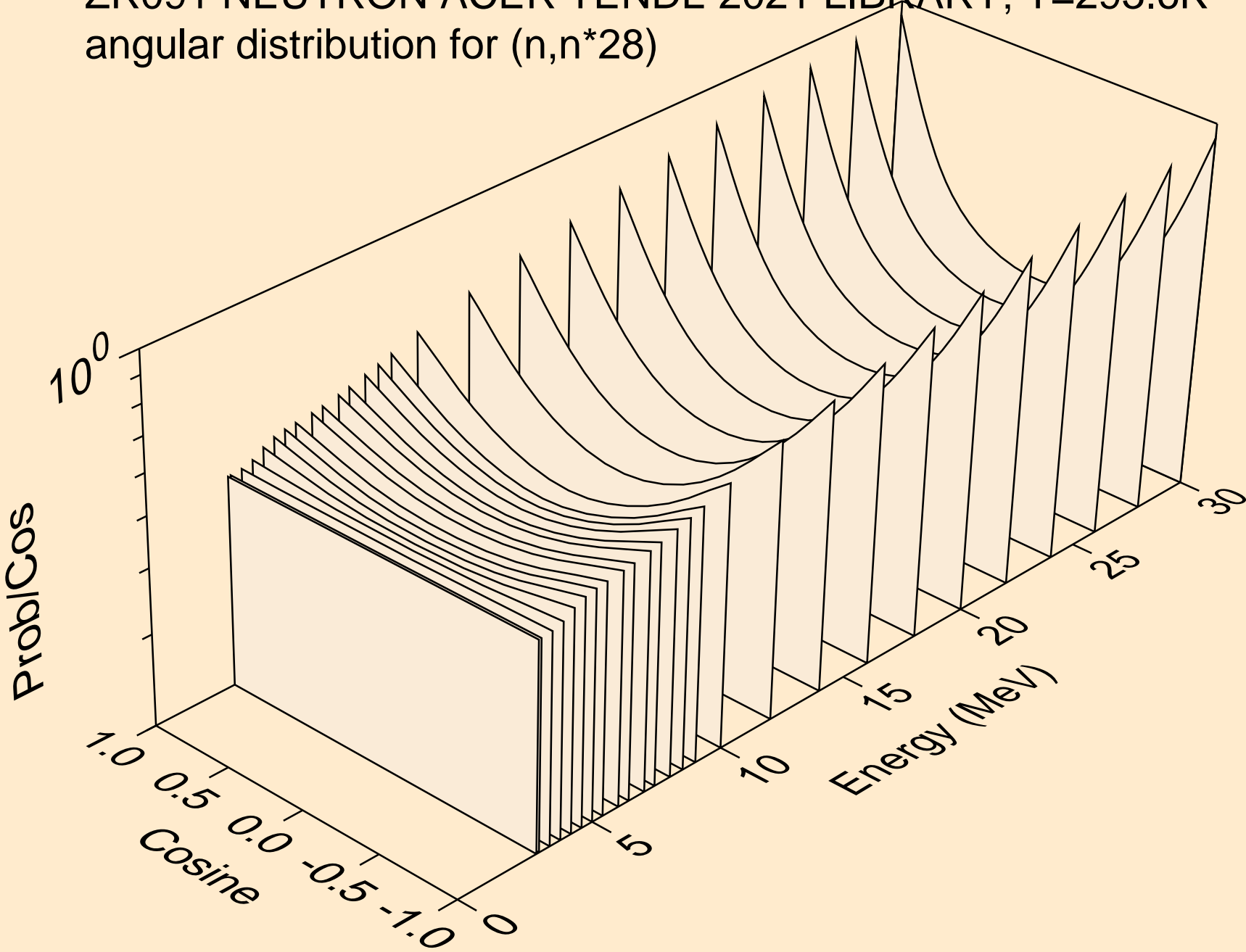
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angular distribution for (n,n\*26)



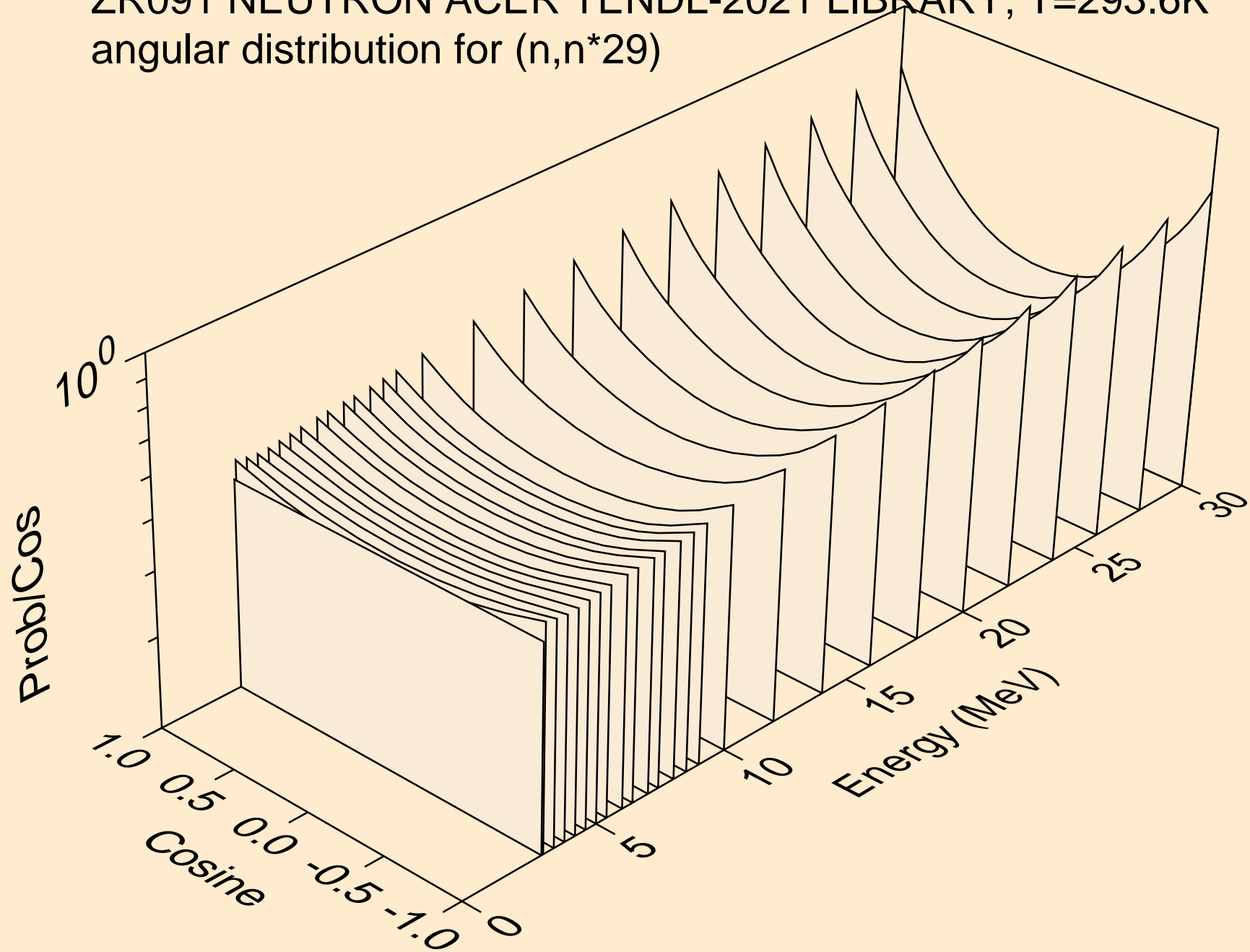
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angular distribution for (n,n\*27)



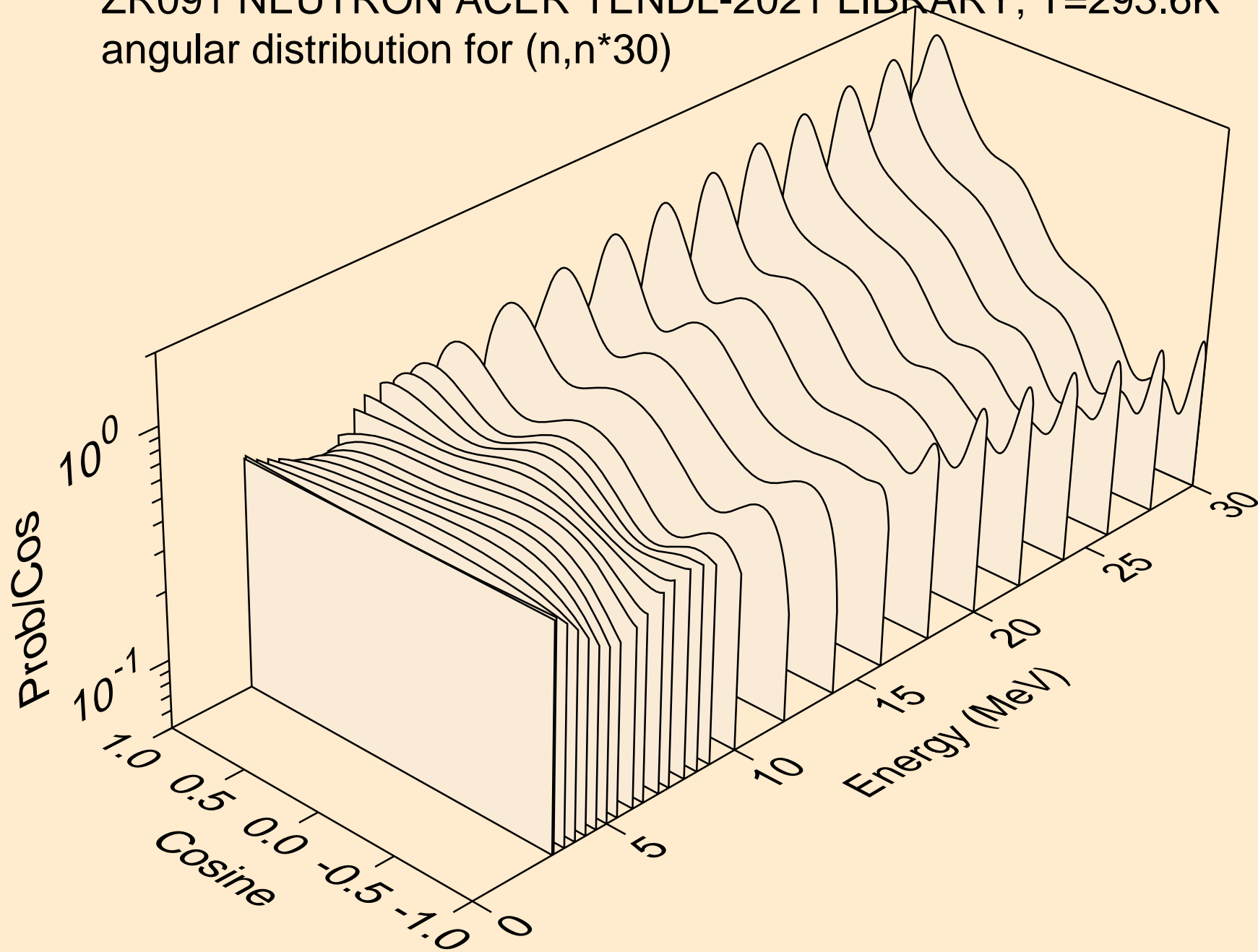
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angular distribution for (n,n\*28)



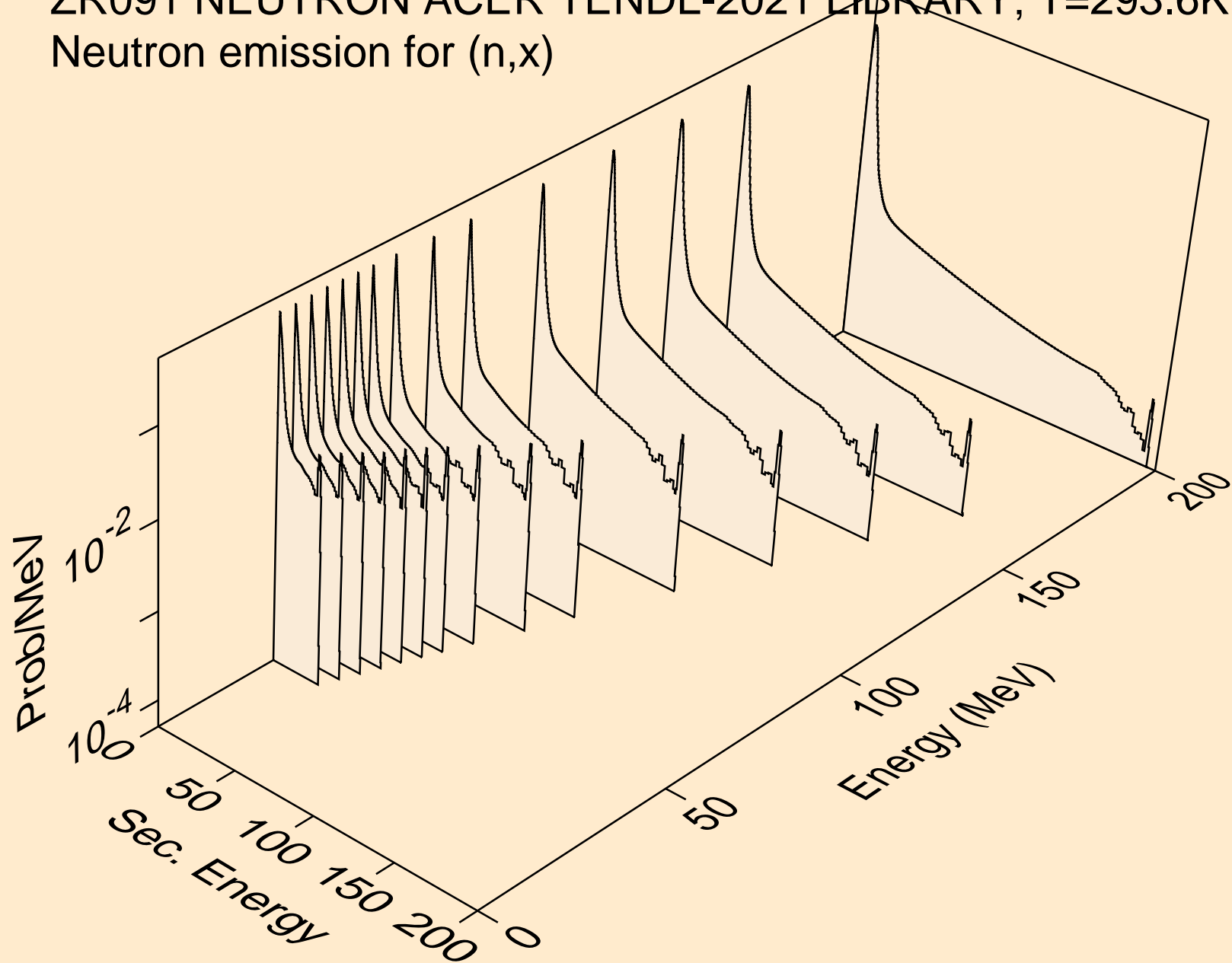
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angular distribution for (n,n\*29)



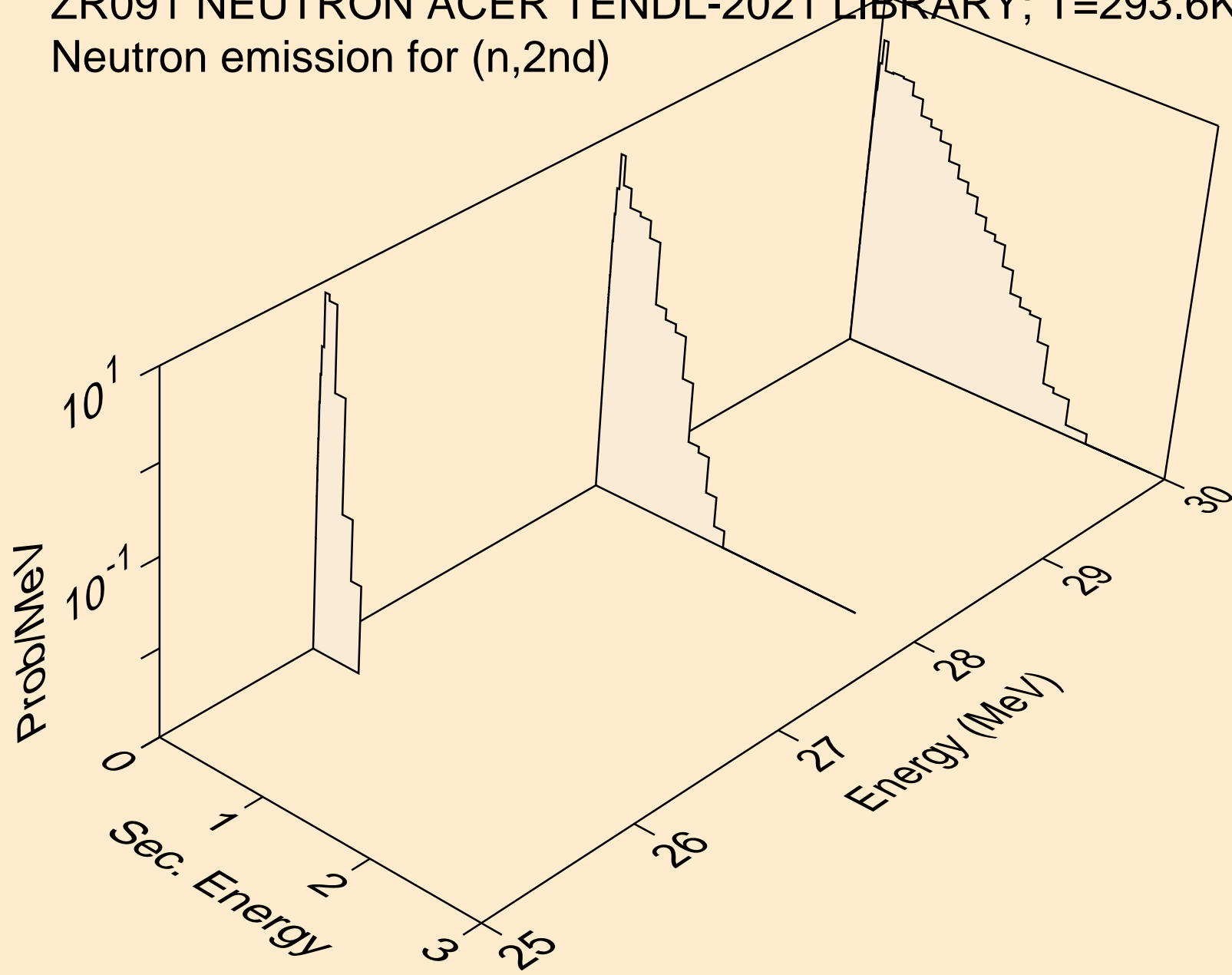
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angular distribution for (n,n\*30)



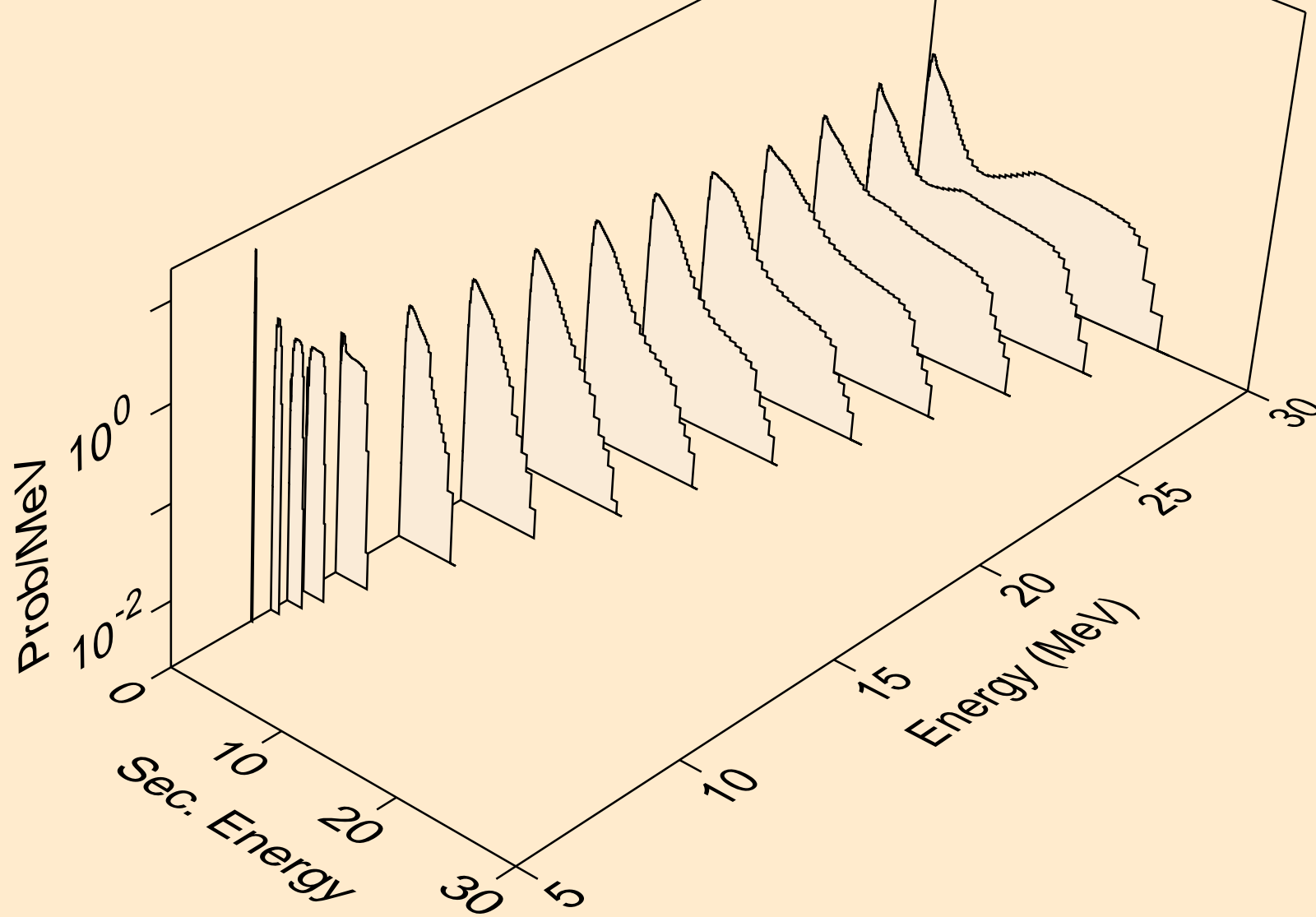
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)

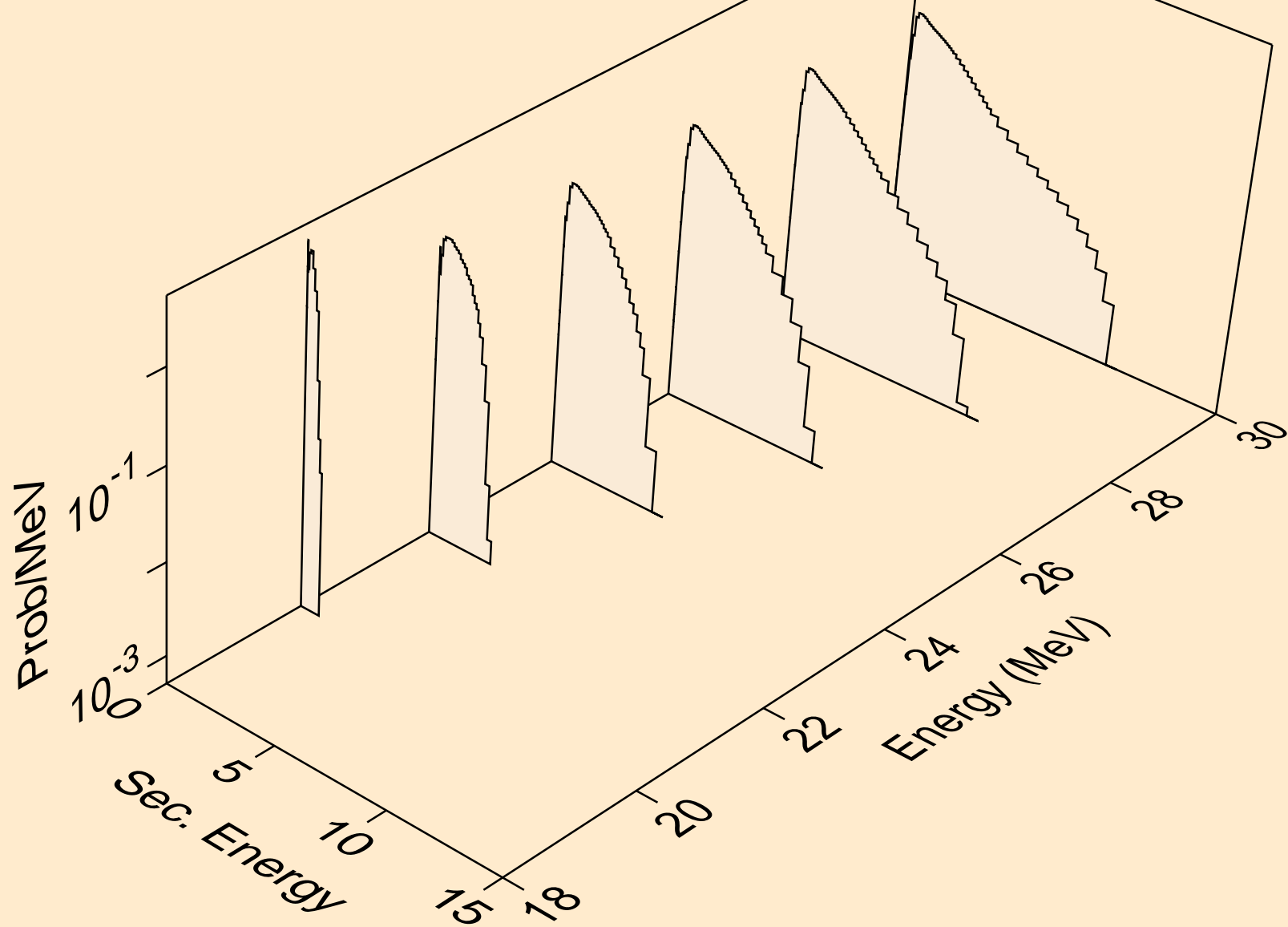


ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)

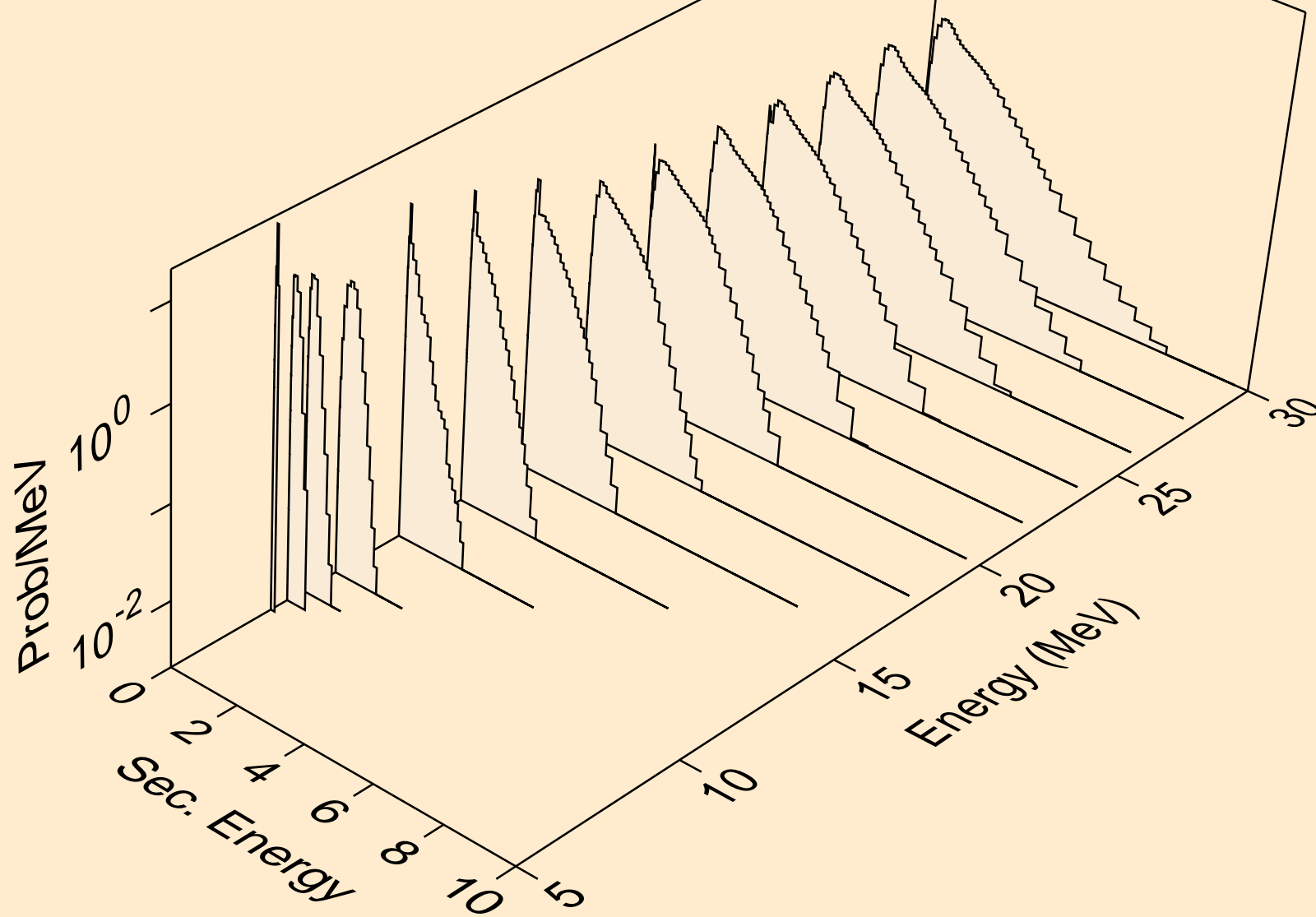




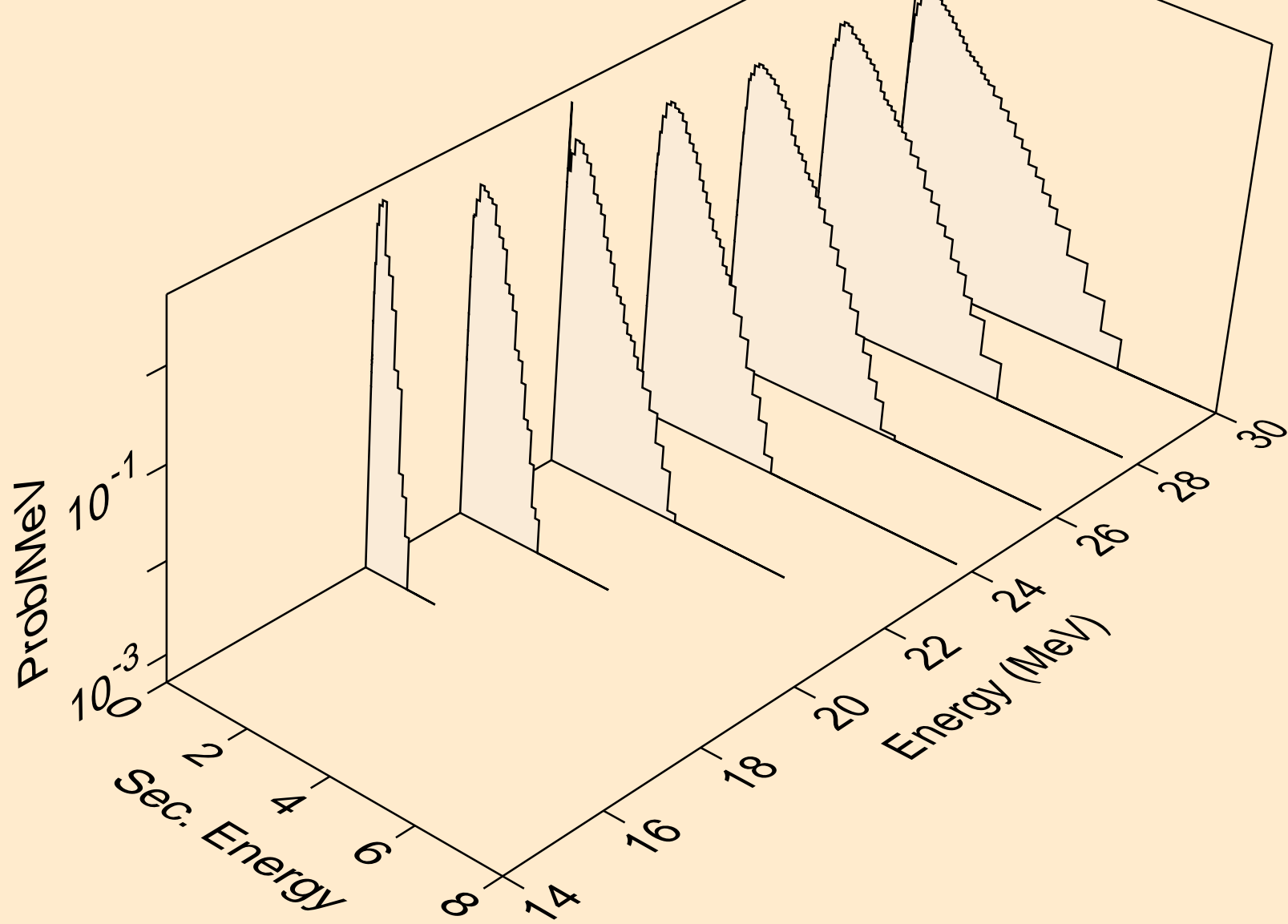
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



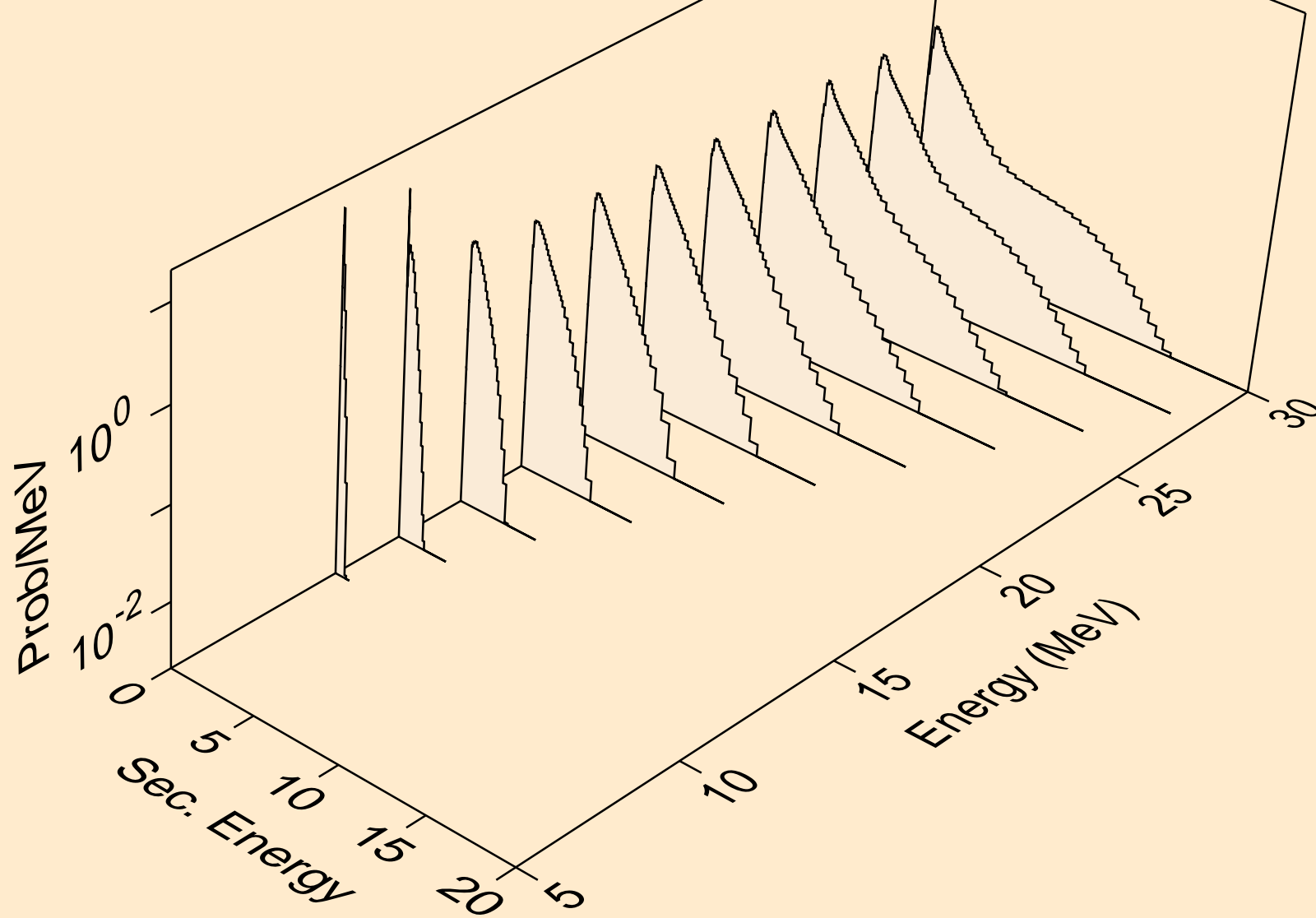
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



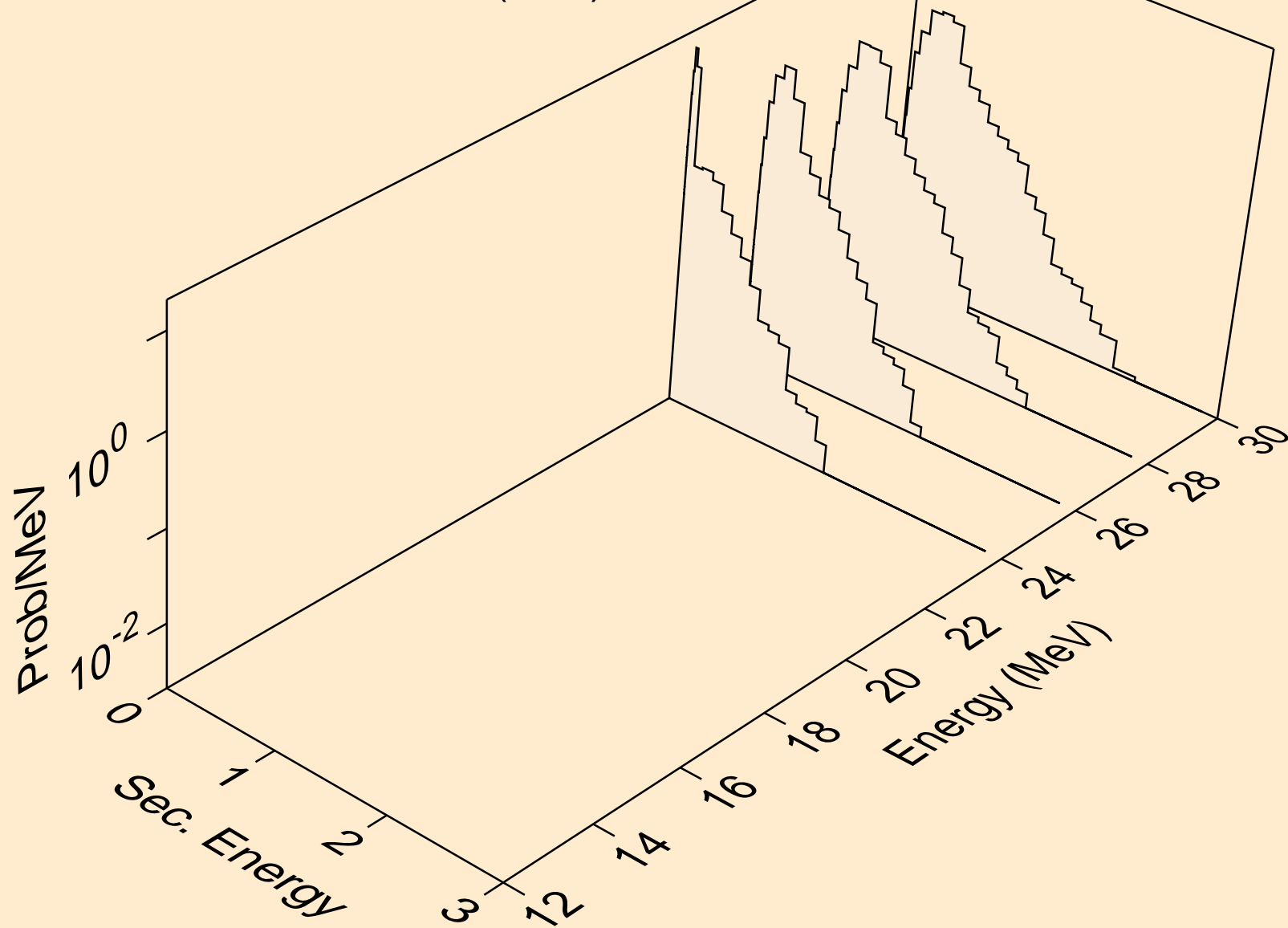
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)<sub>a</sub>



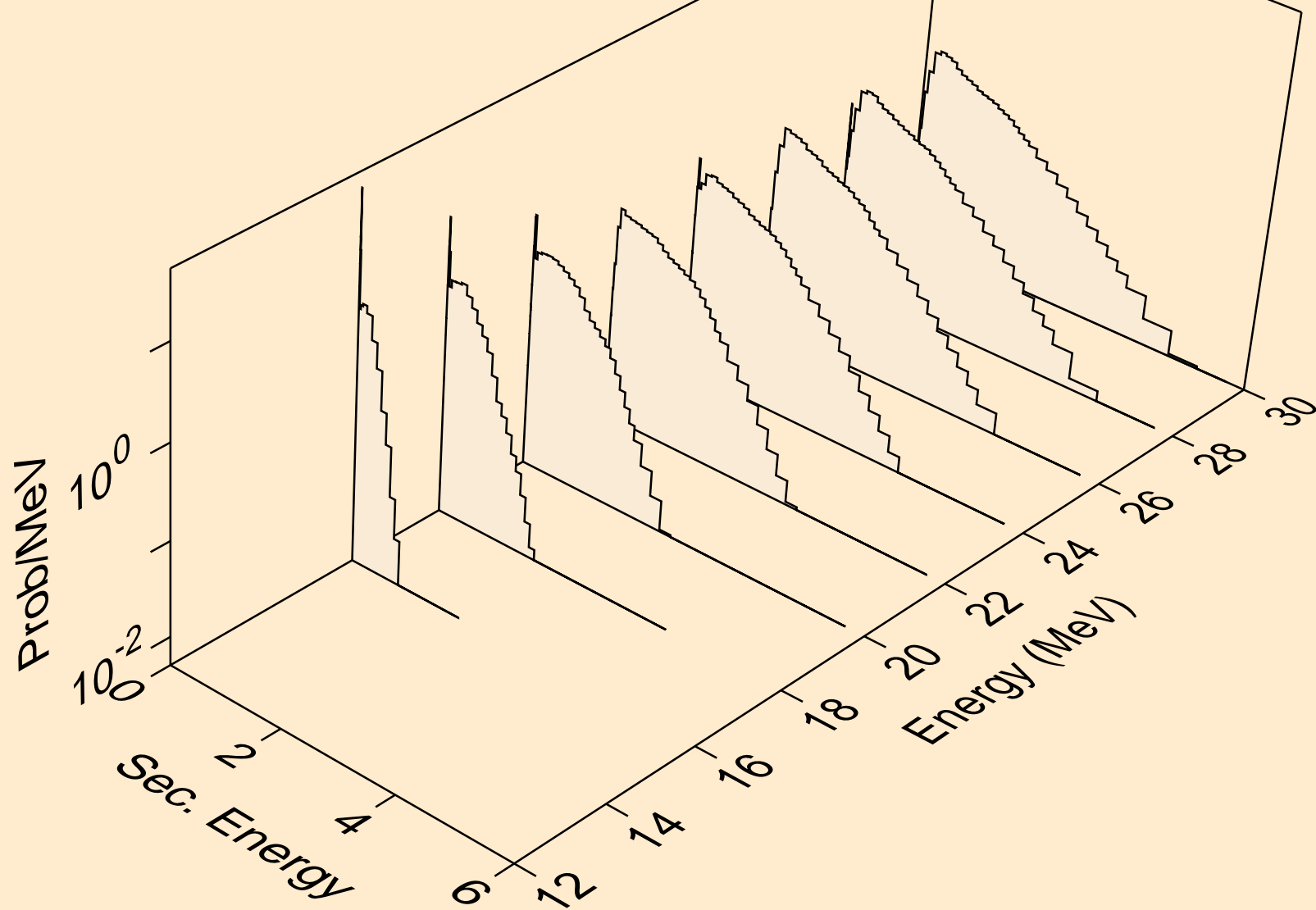
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



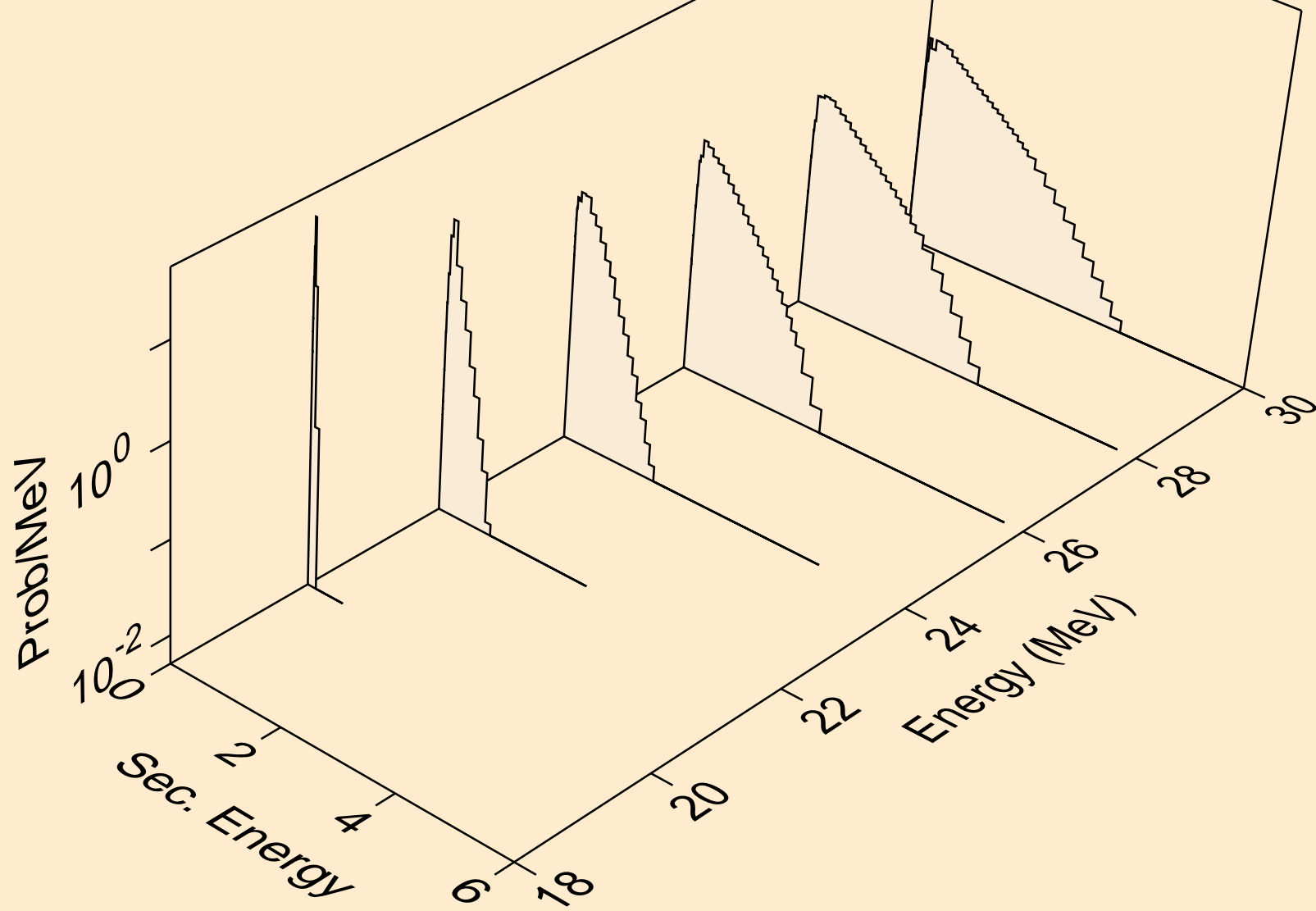
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a



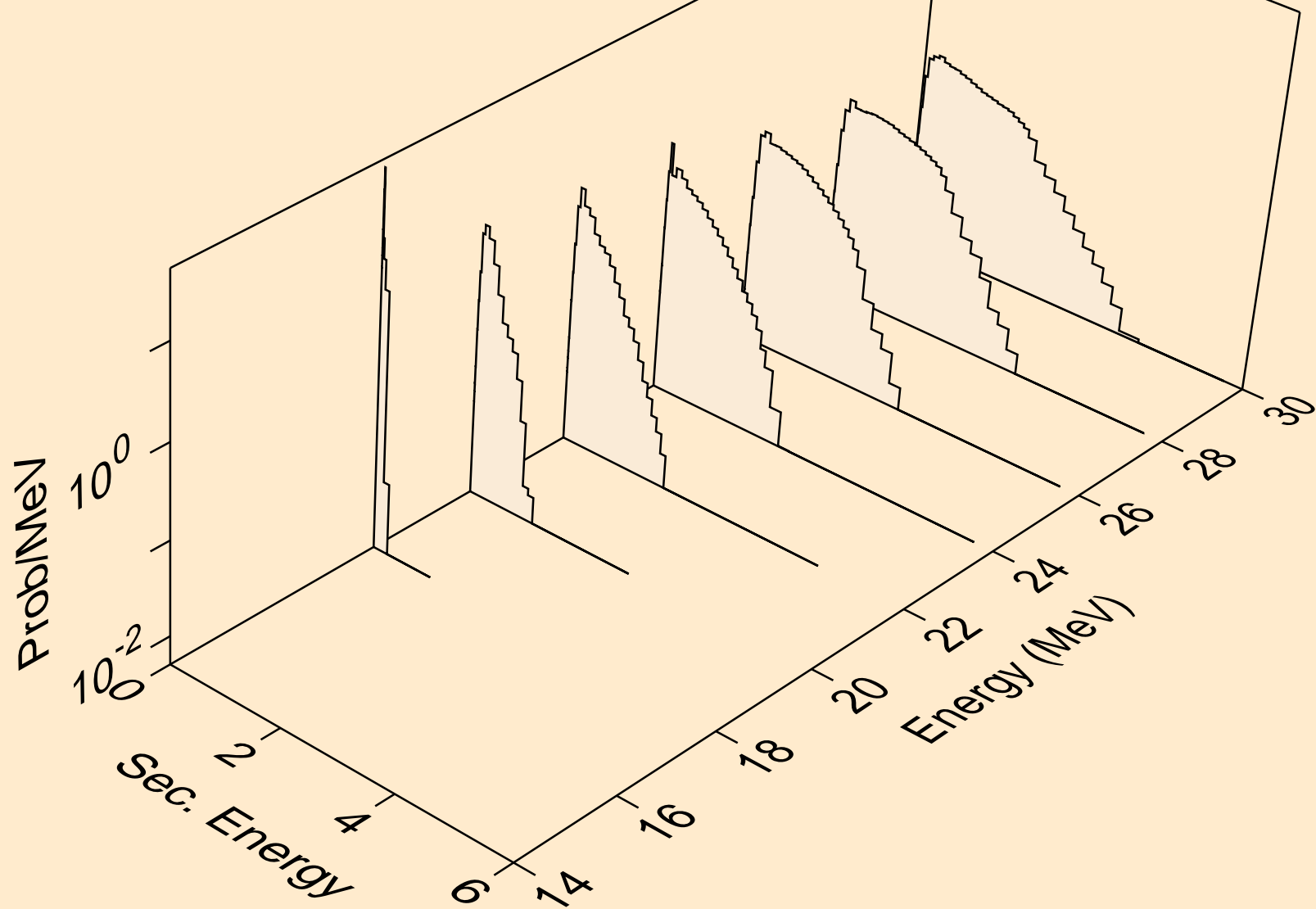
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t

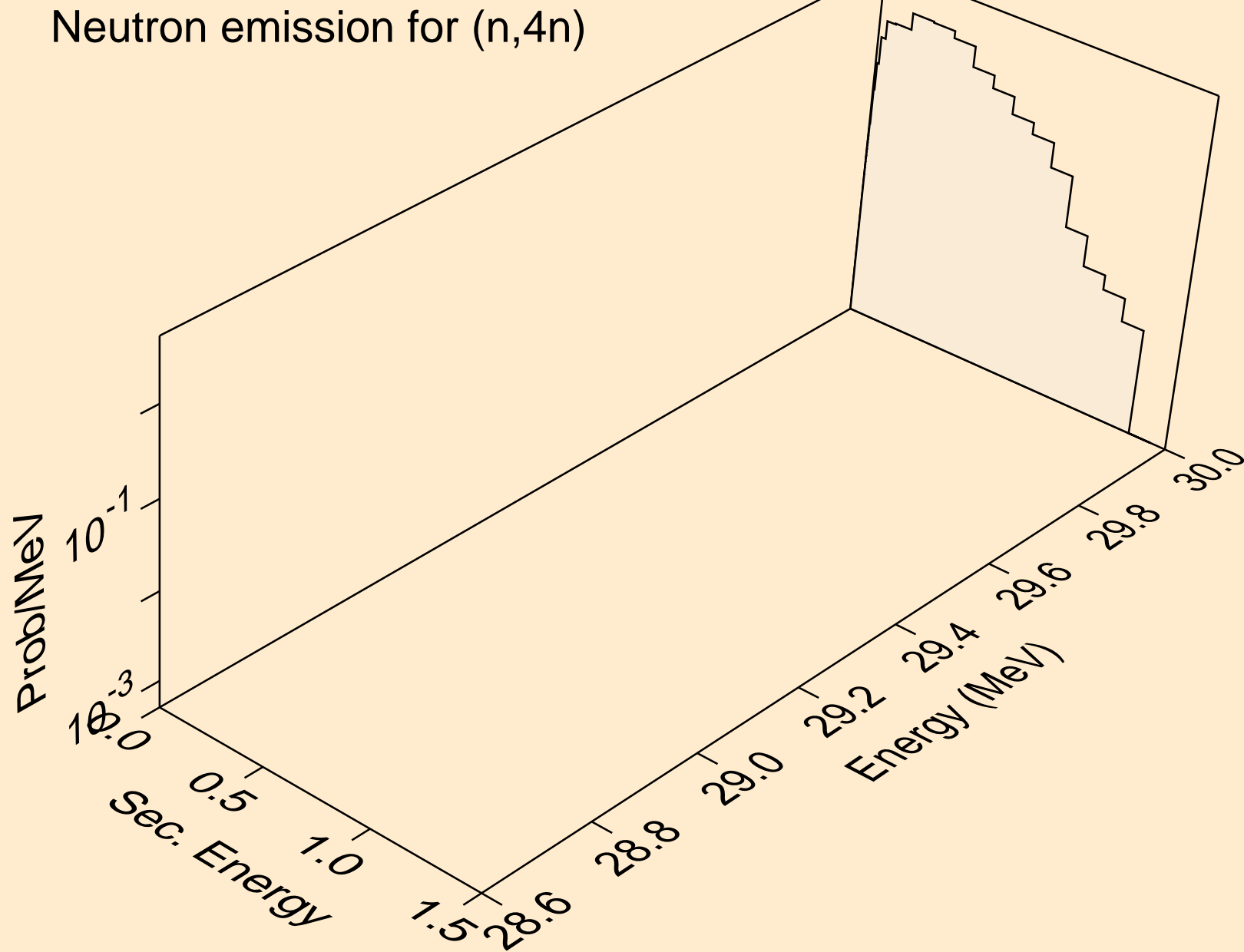


ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3

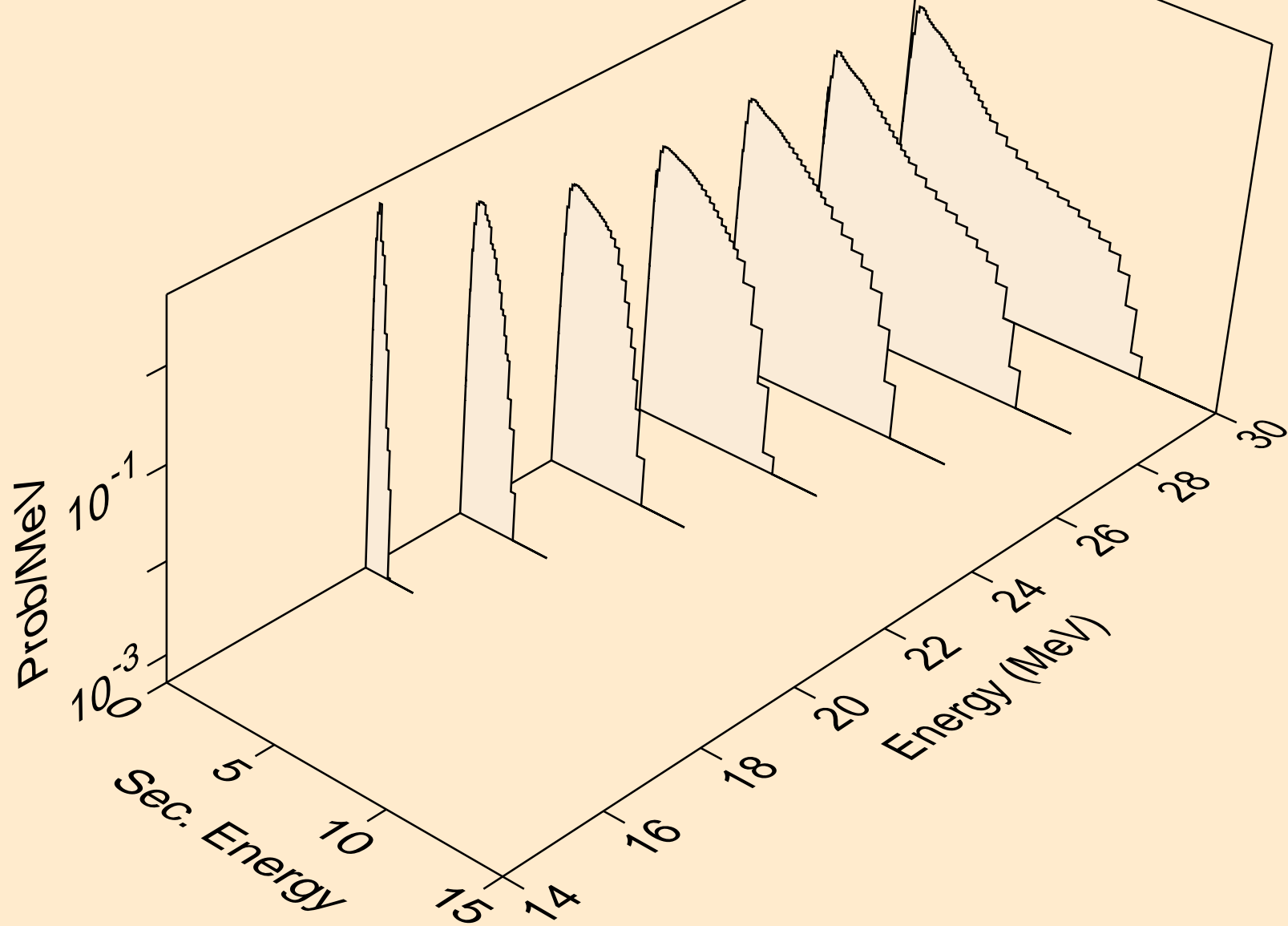




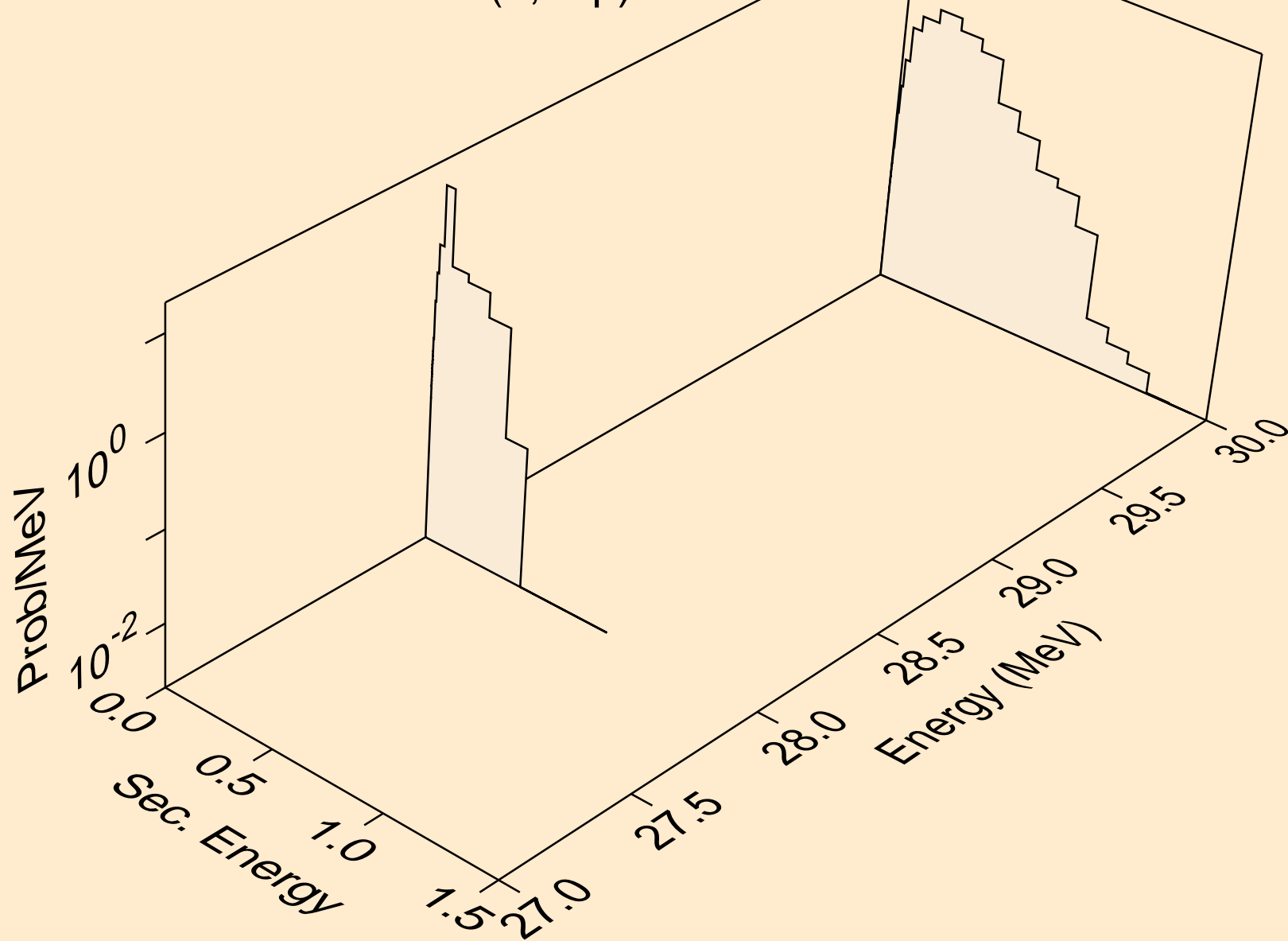
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,4n)



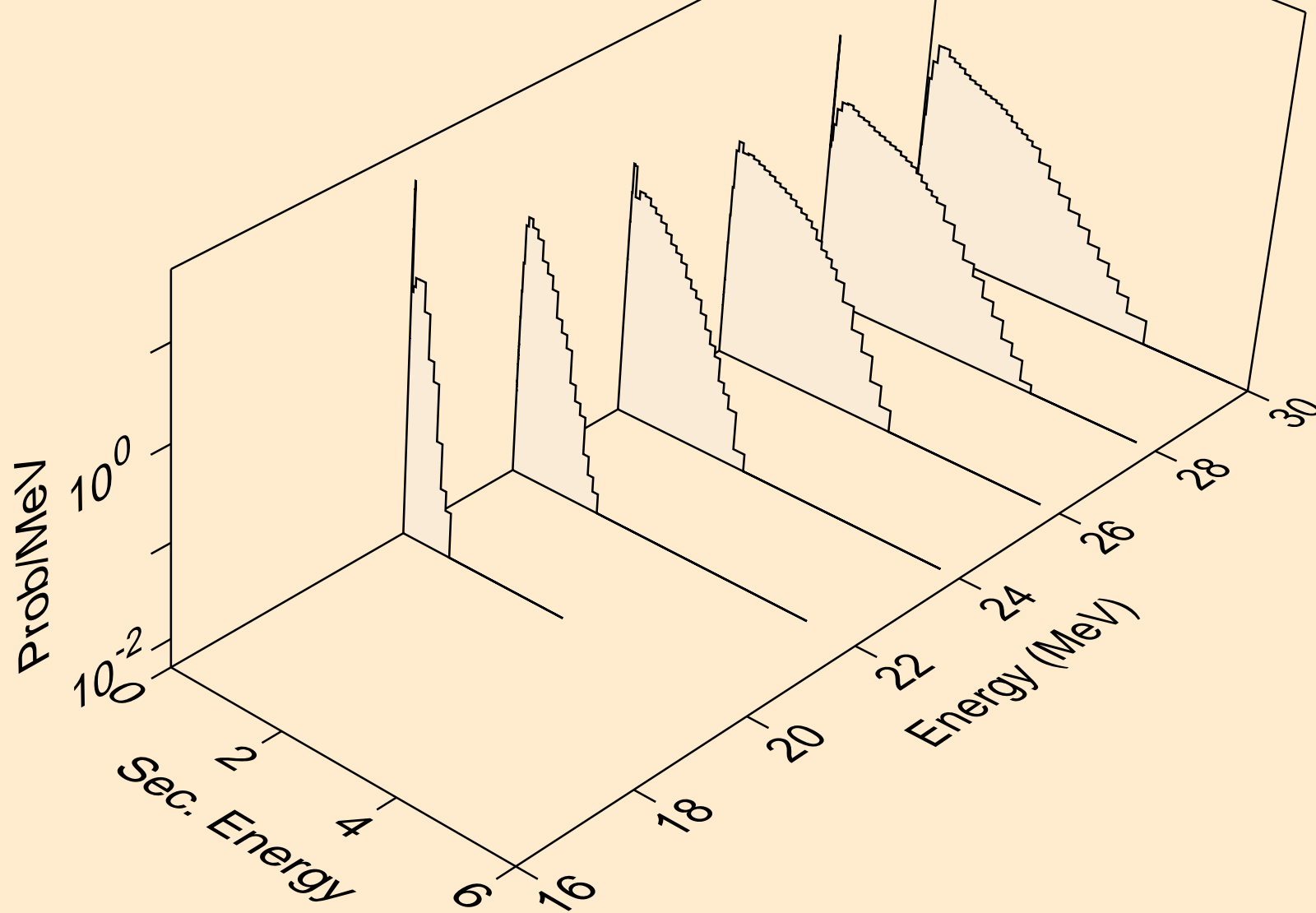
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



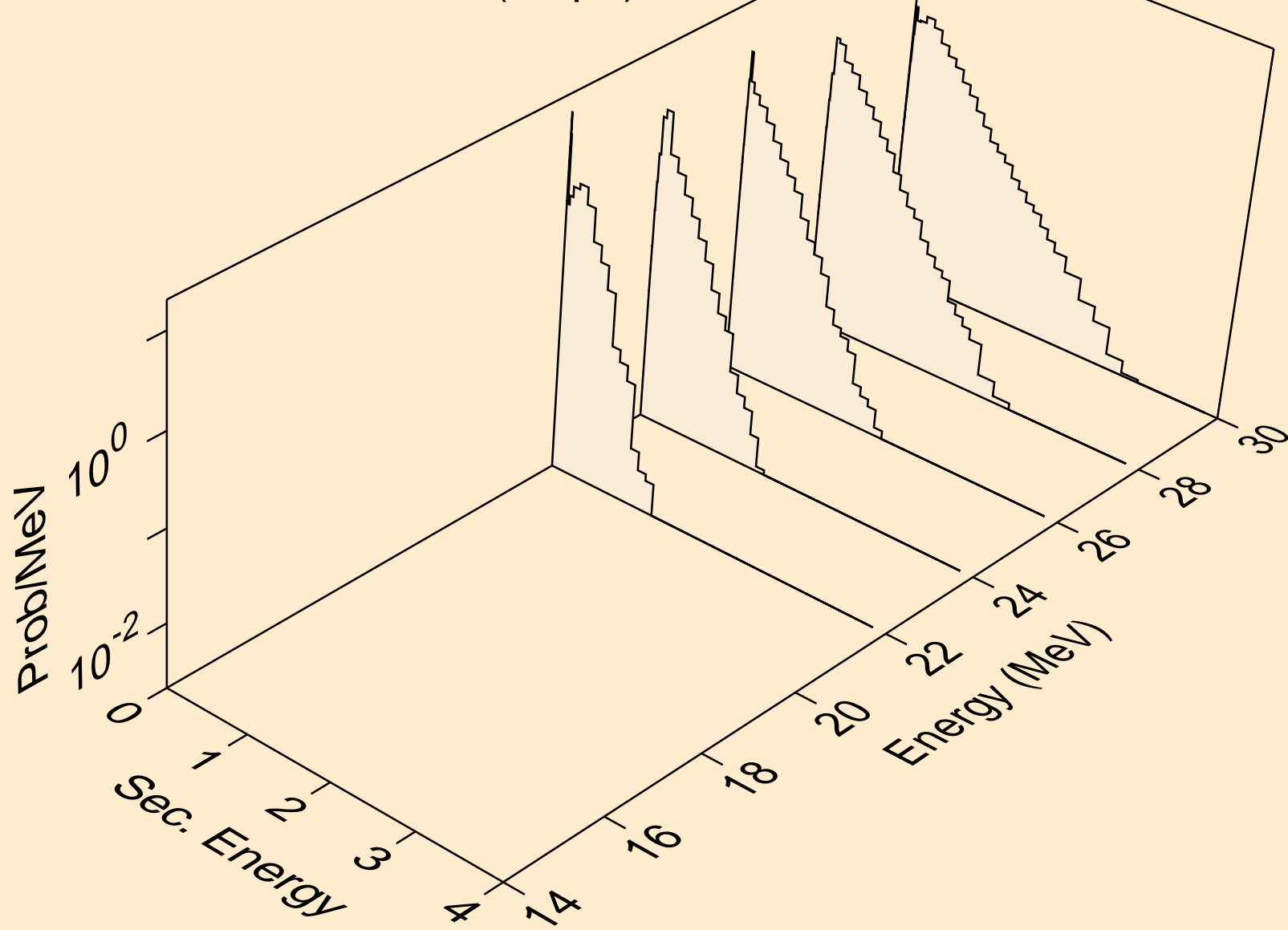
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Neutron emission for (n,3np)



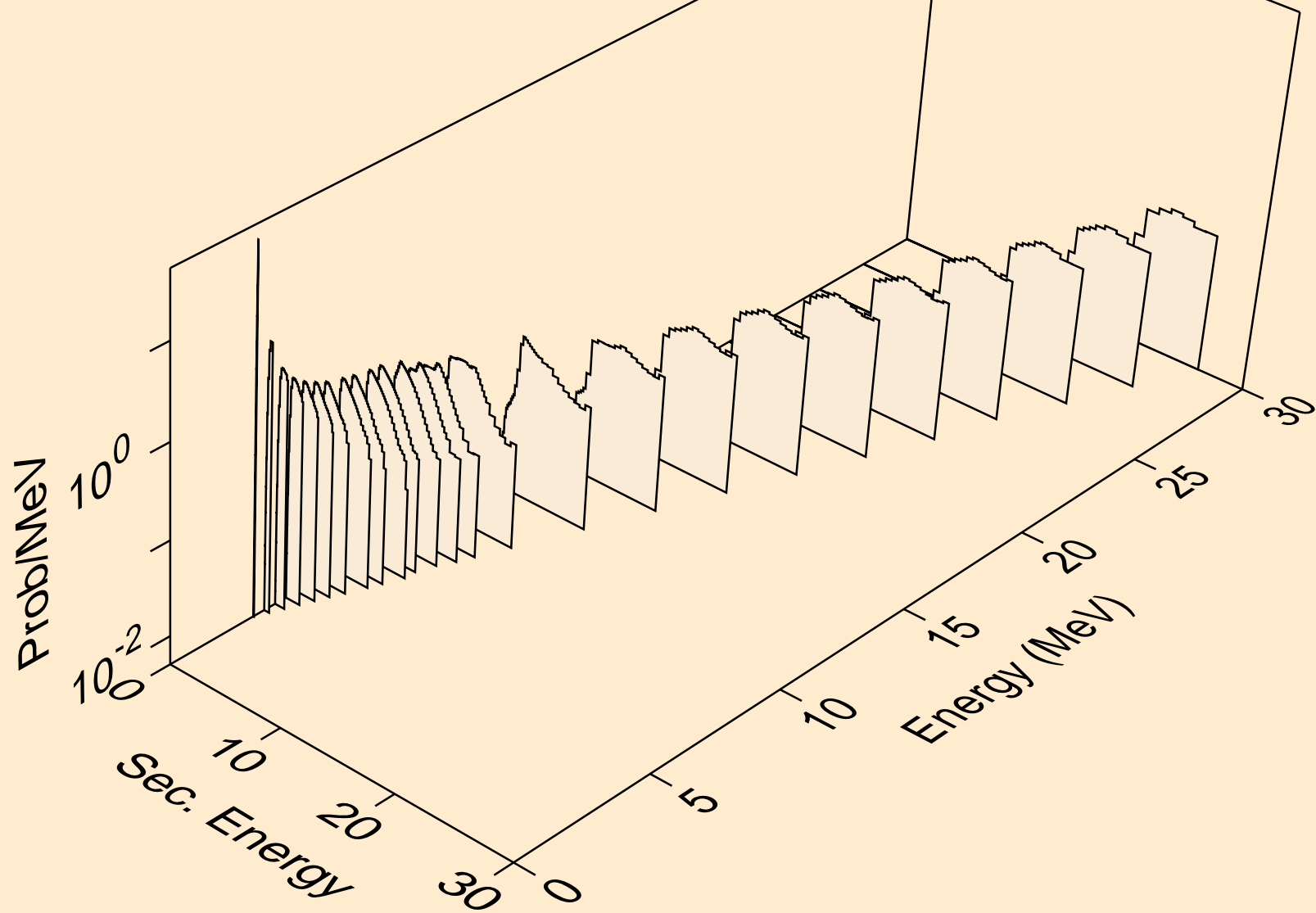
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Neutron emission for (n,2np)



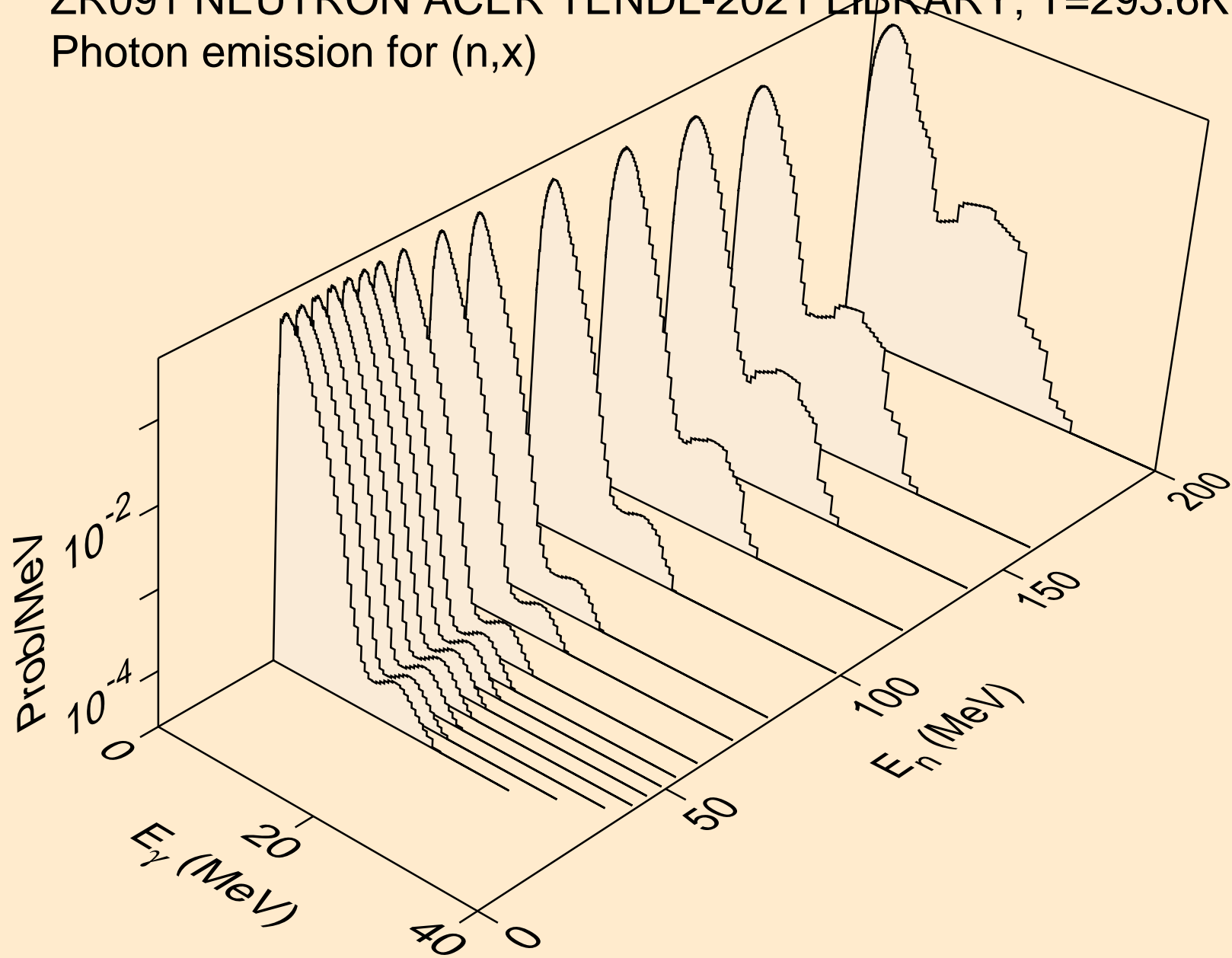
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Neutron emission for (n,npa)



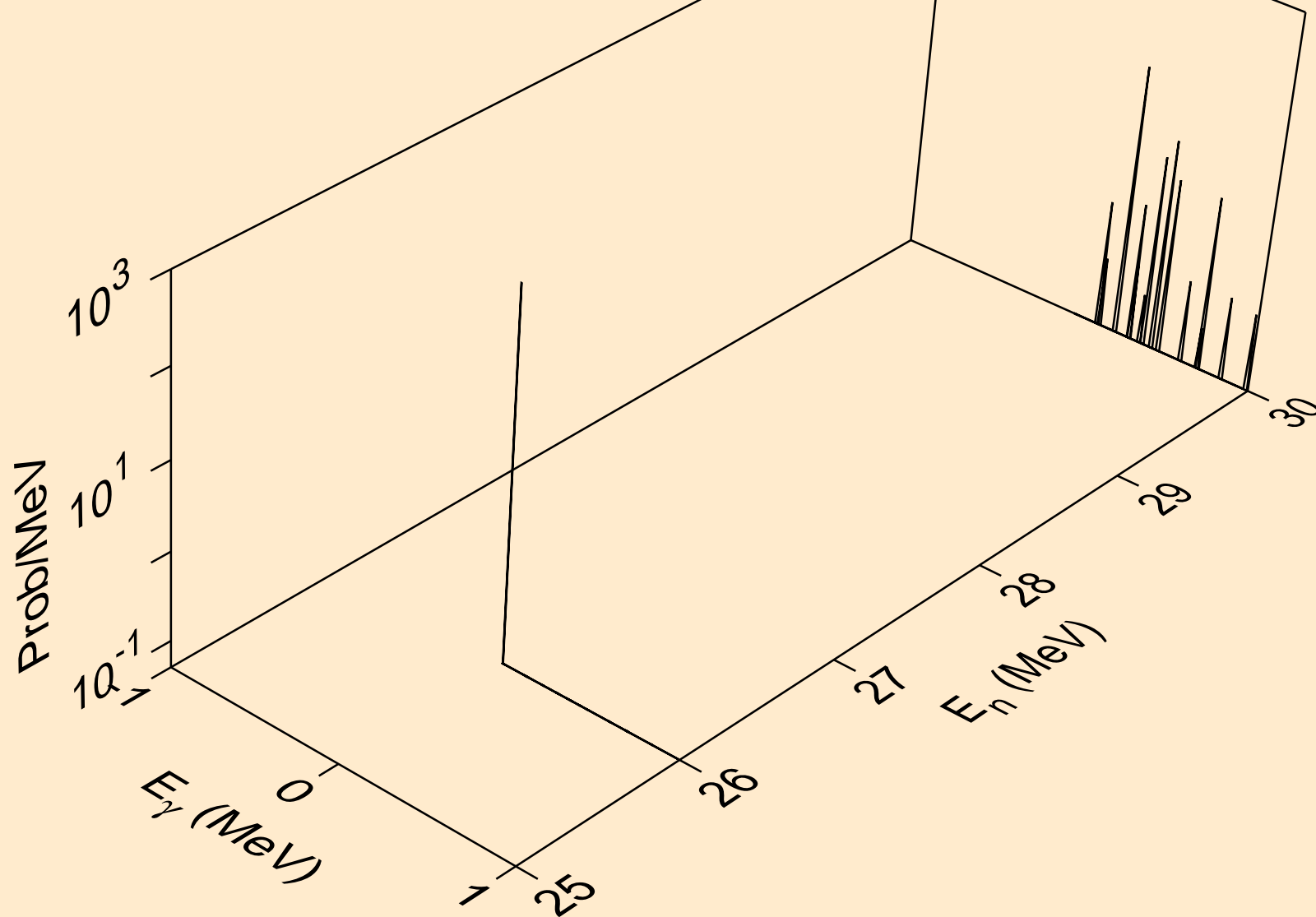
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)

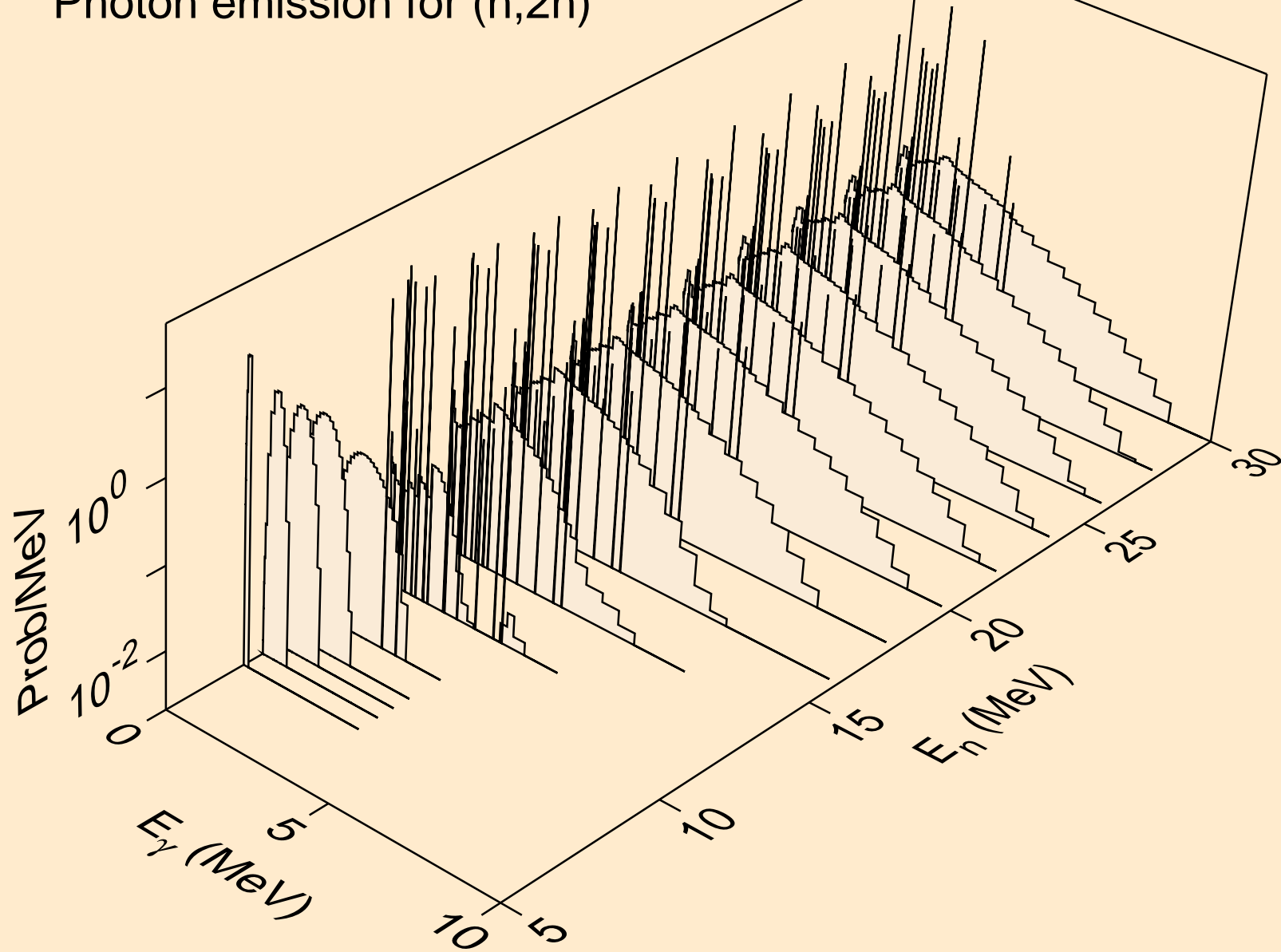


ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2nd)

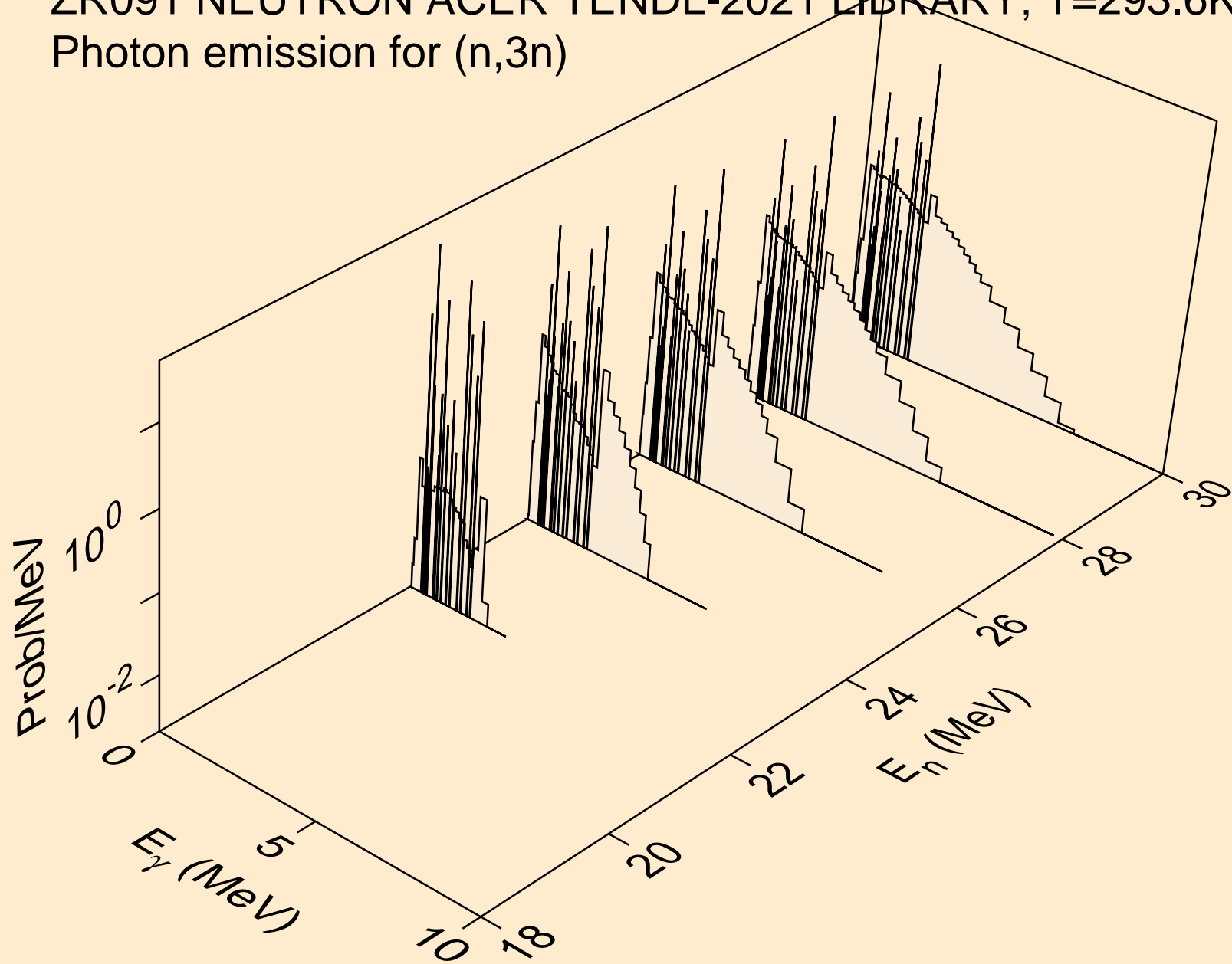




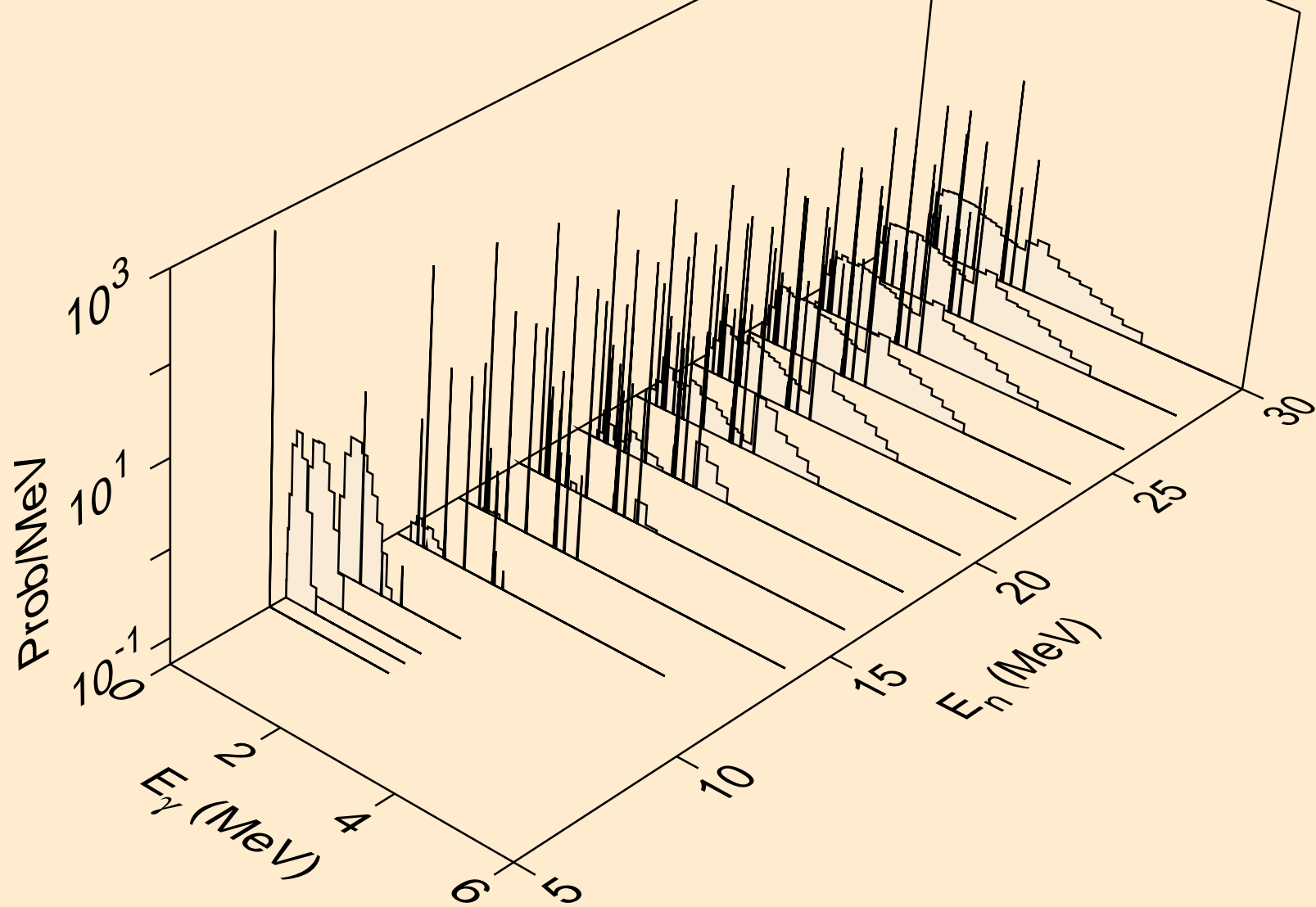
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Photon emission for (n,2n)



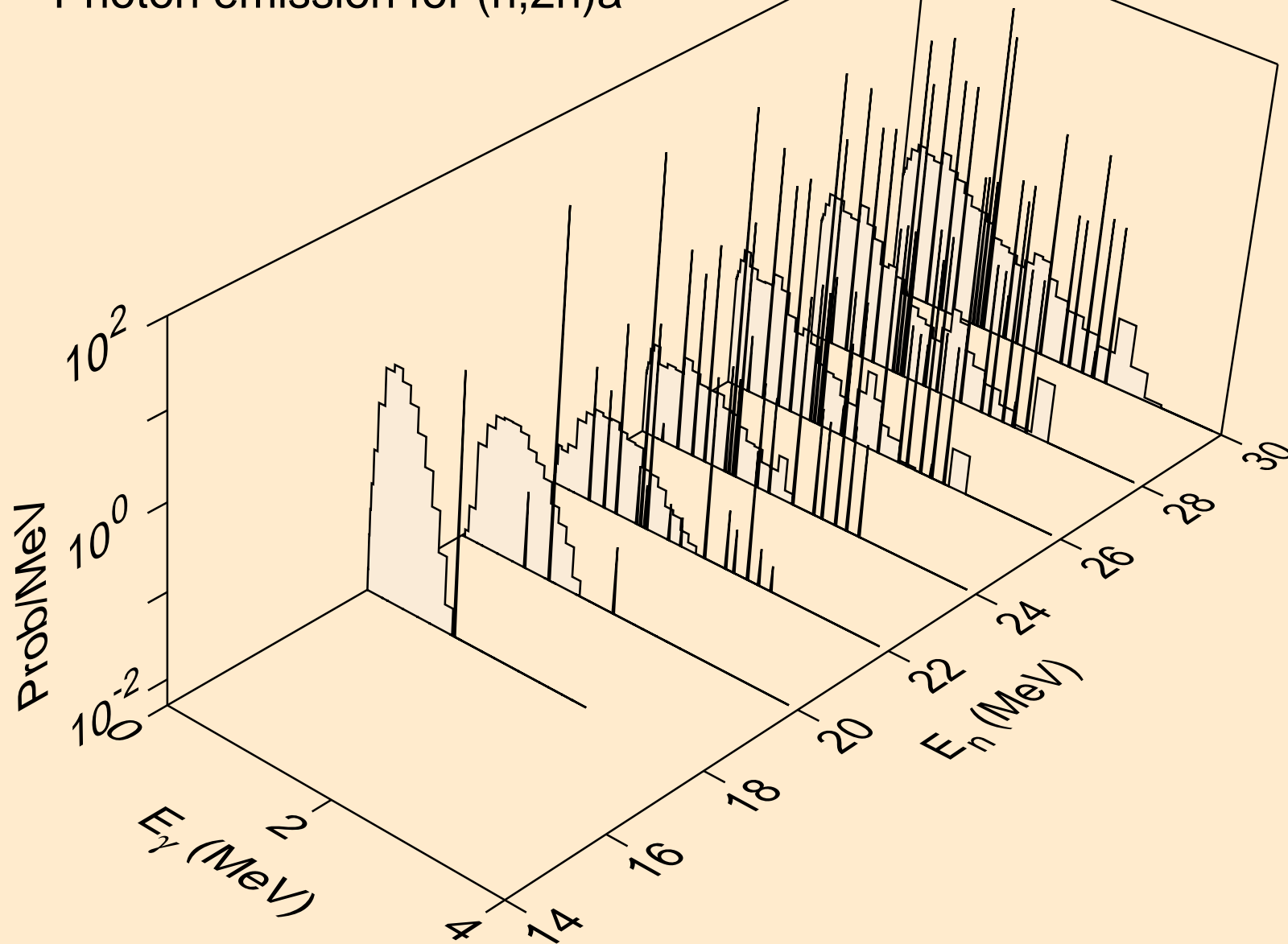
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Photon emission for (n,3n)



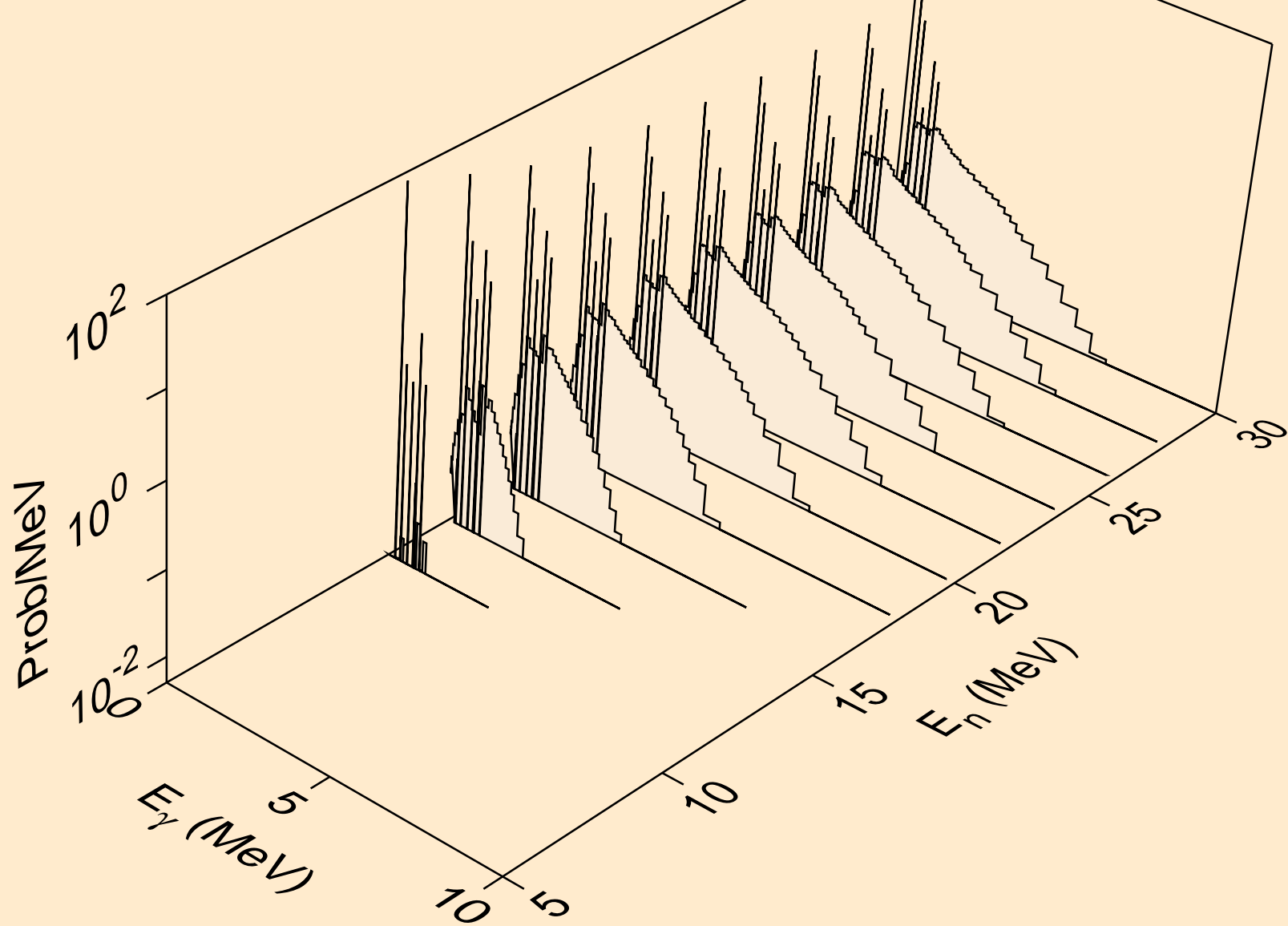
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Photon emission for (n,n\*)a



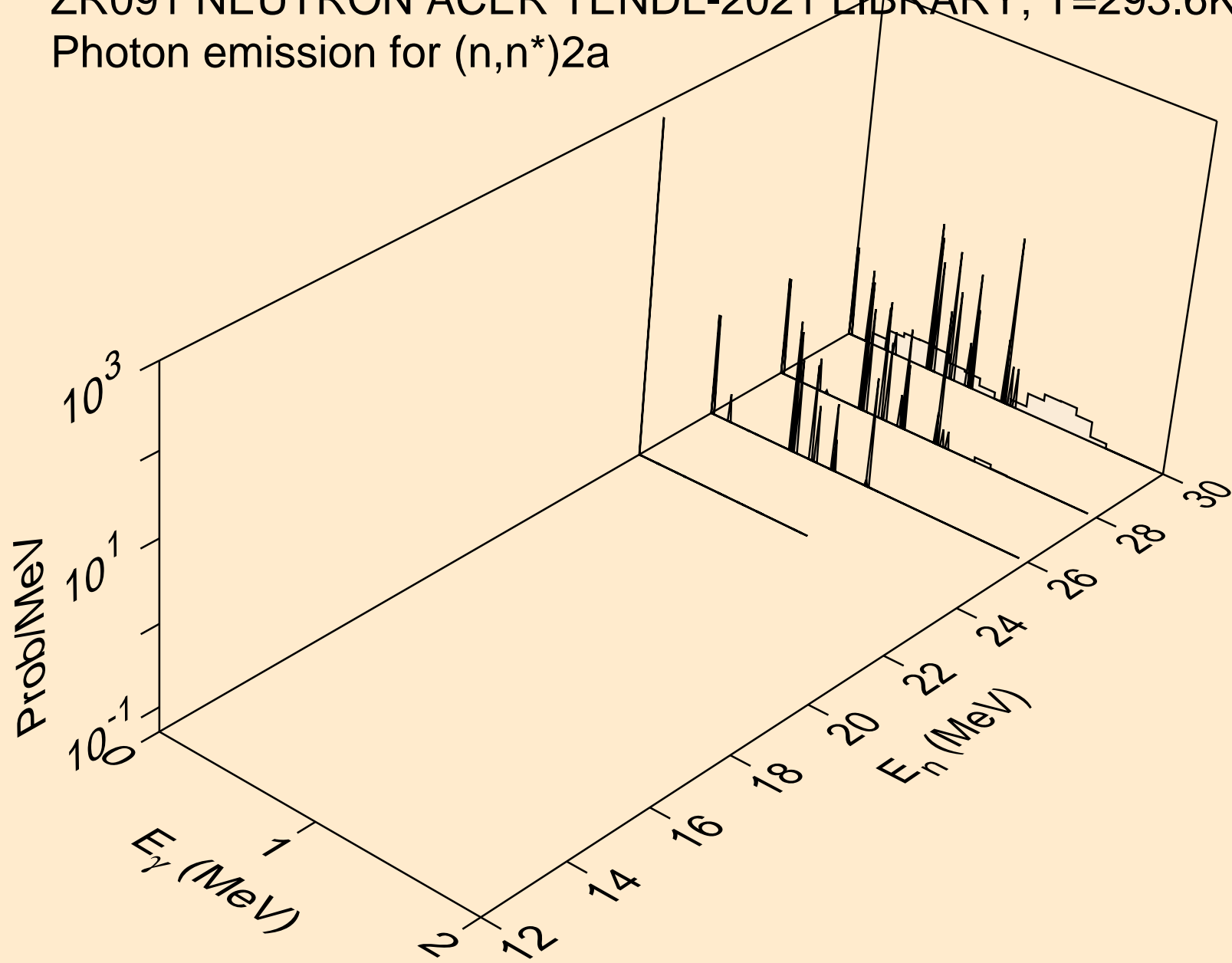
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Photon emission for (n,2n)a



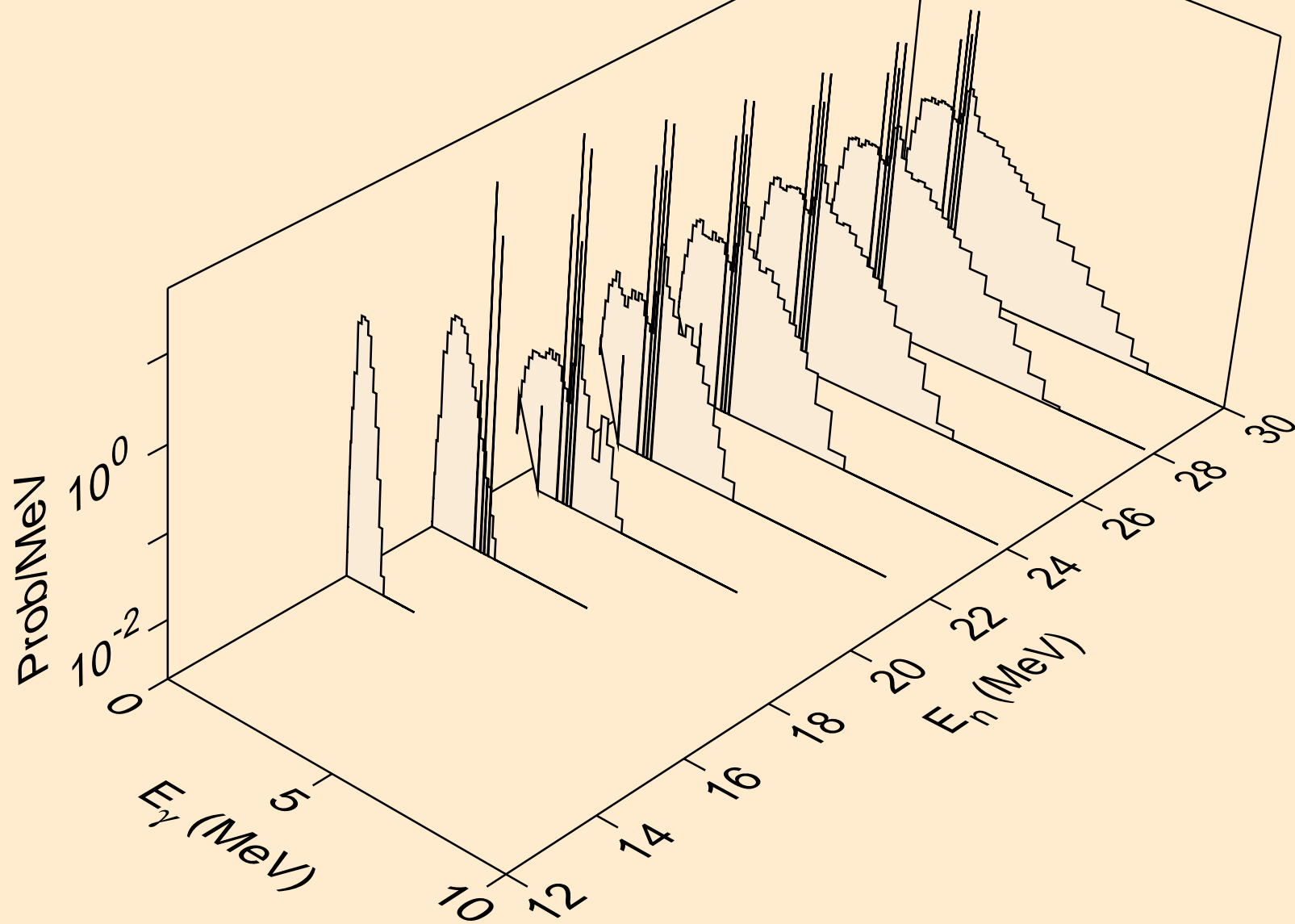
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Photon emission for (n,n\*)p



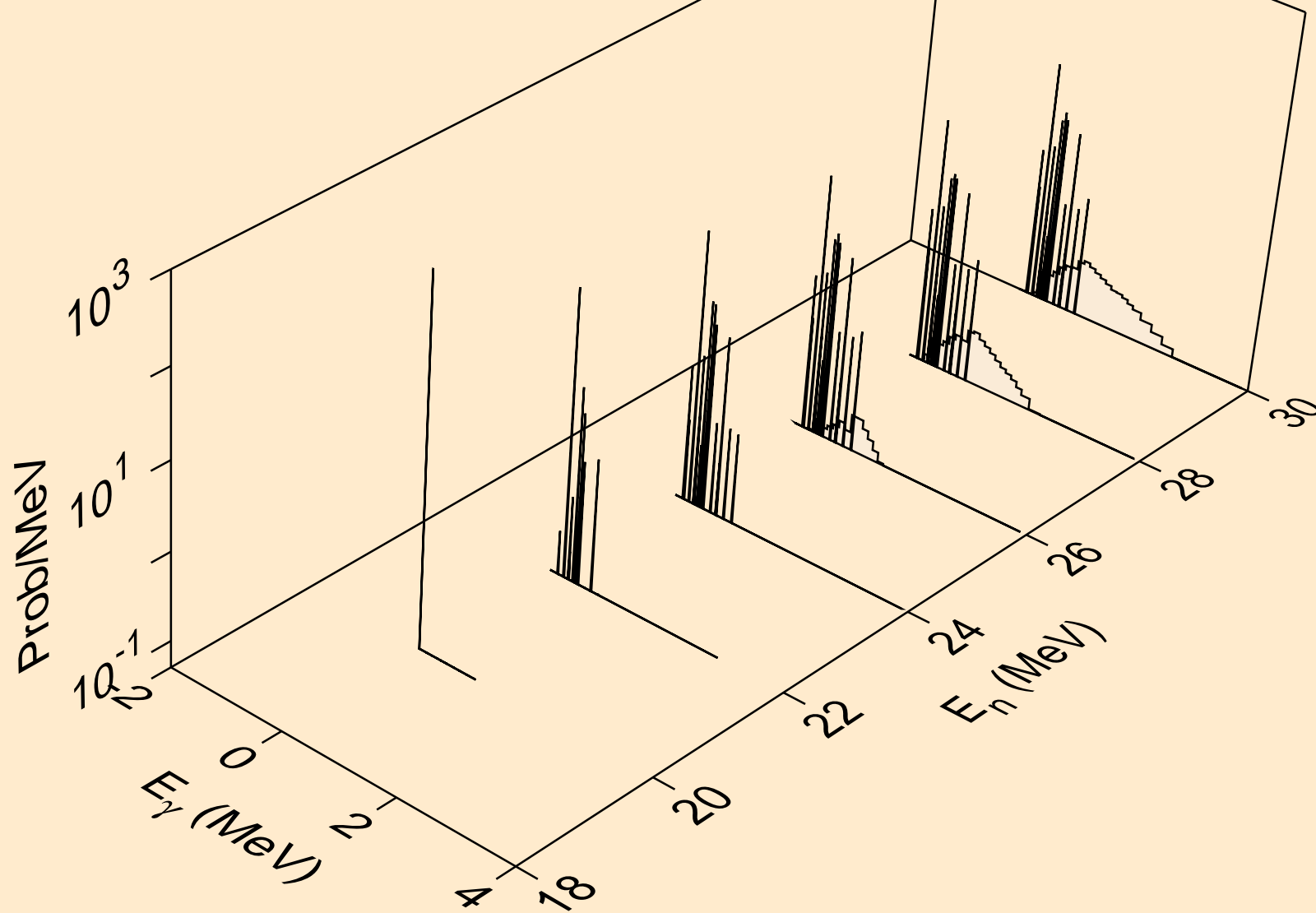
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a



ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d

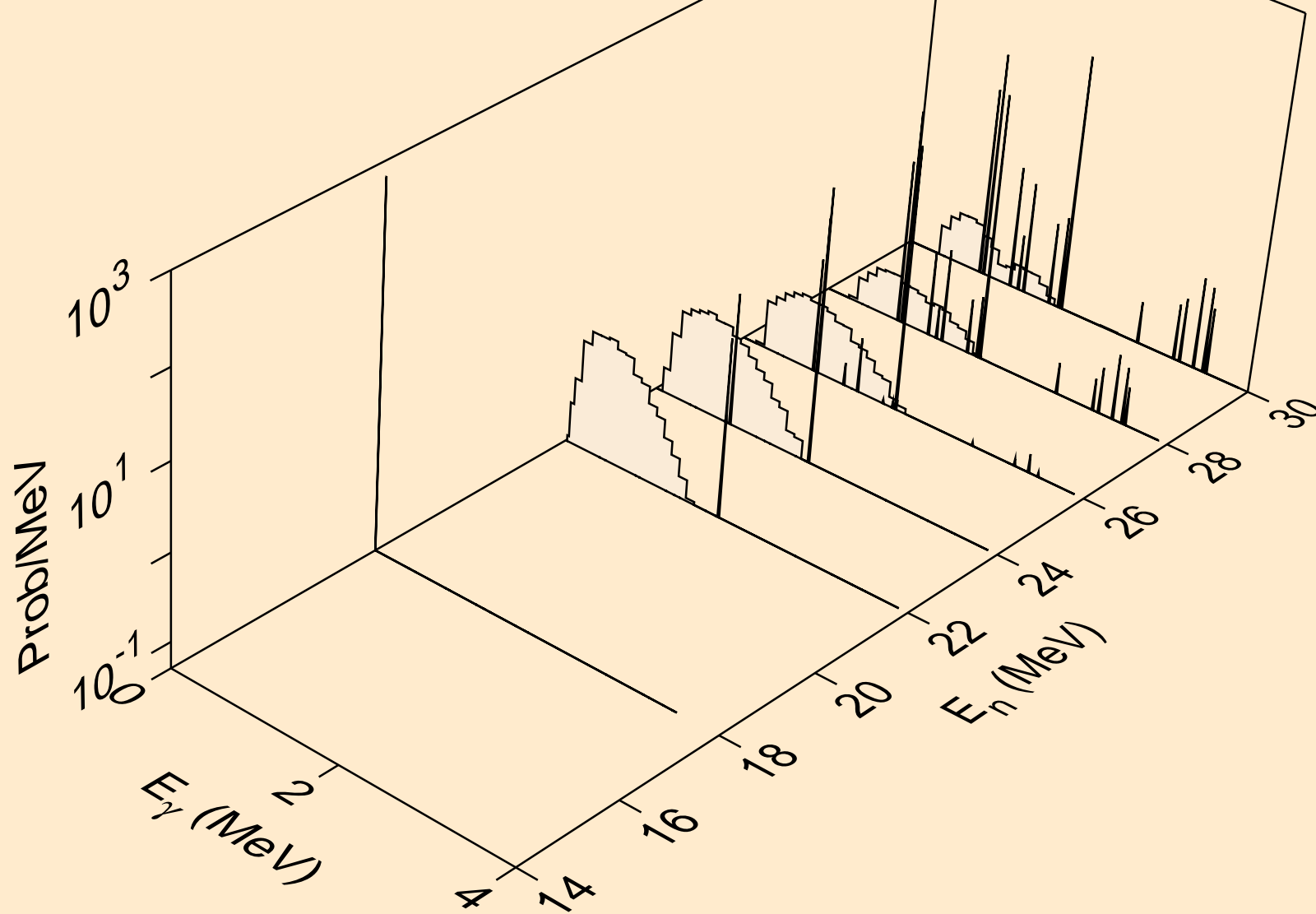


ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t

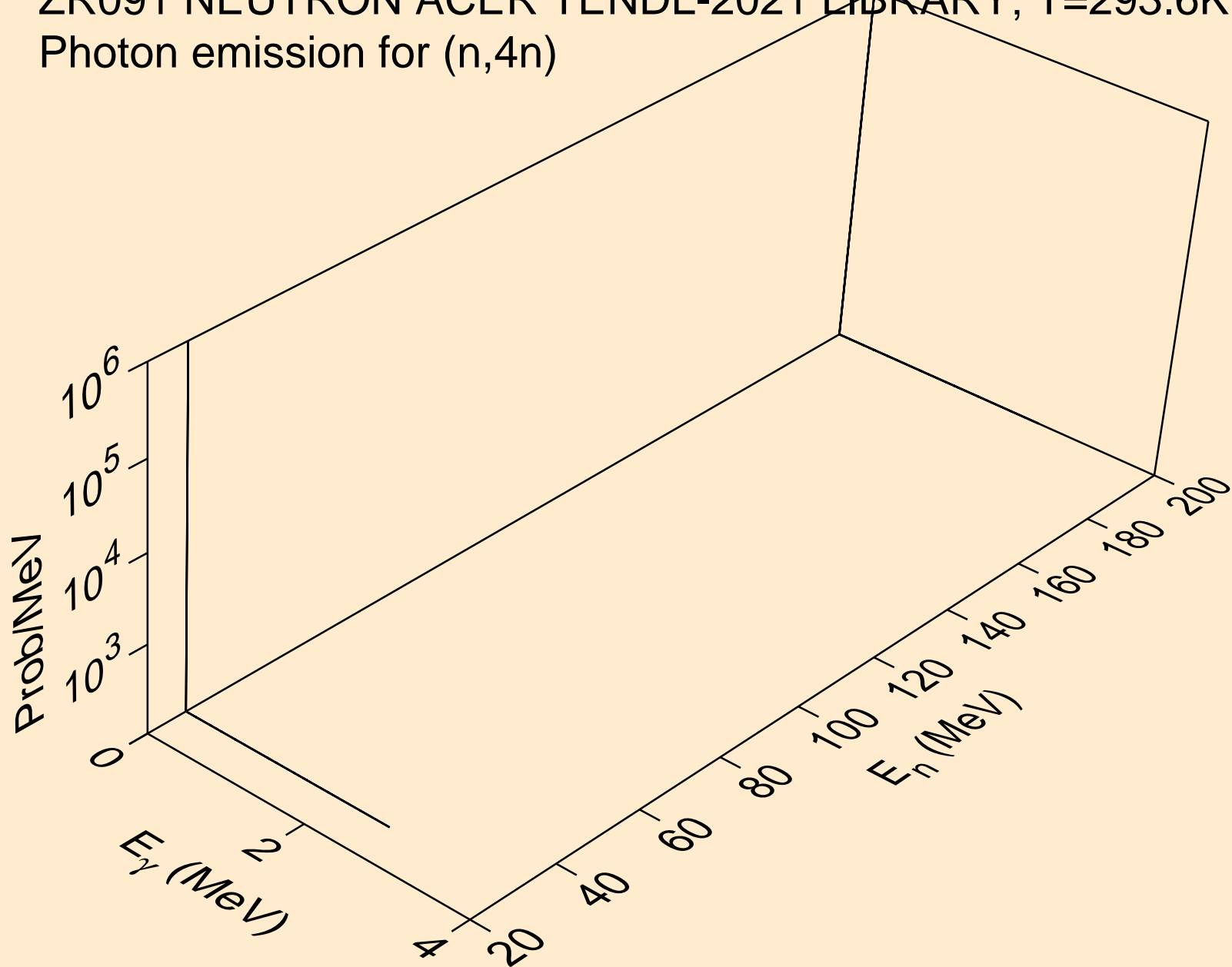




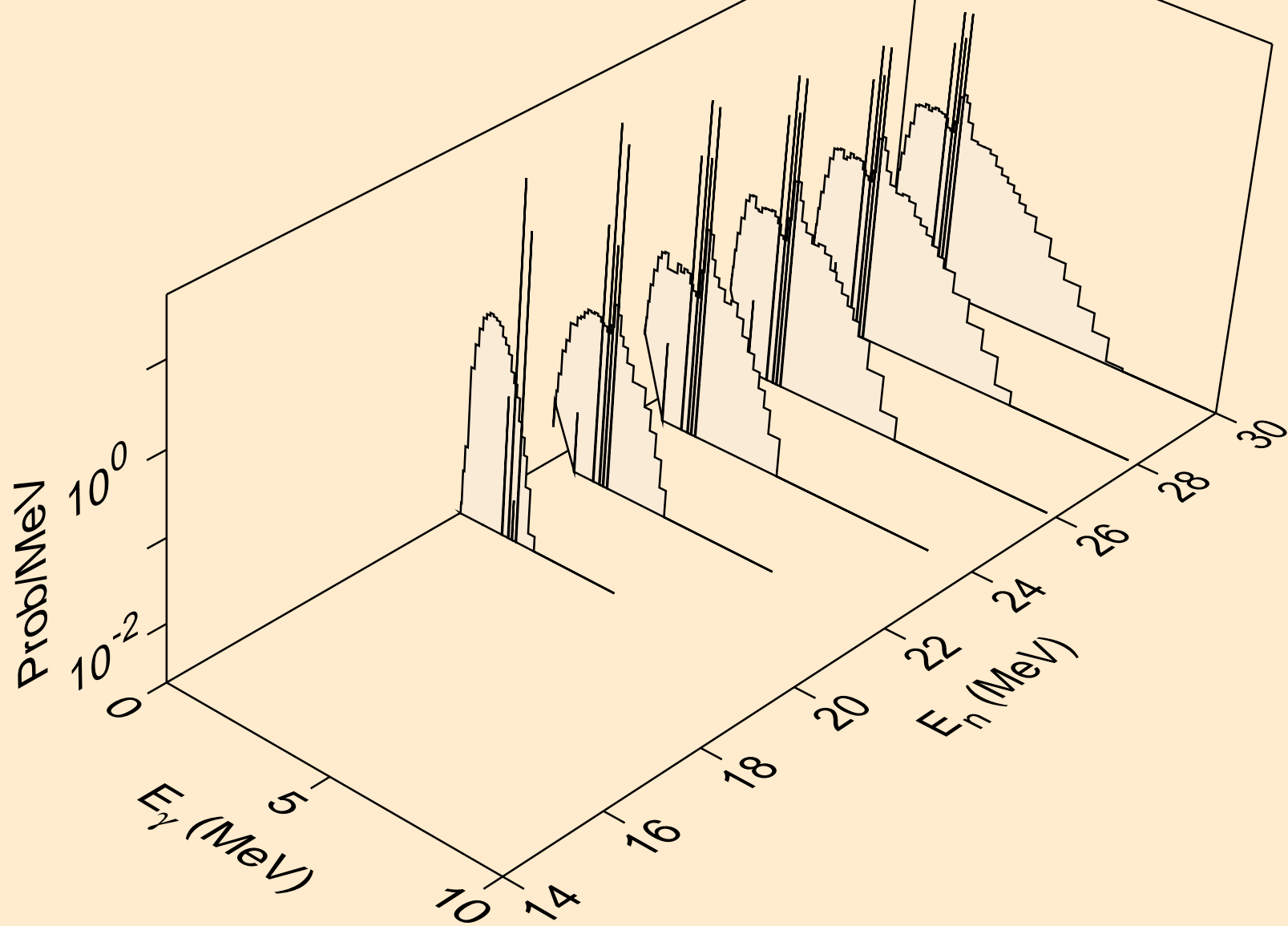
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Photon emission for (n,n\*)he3



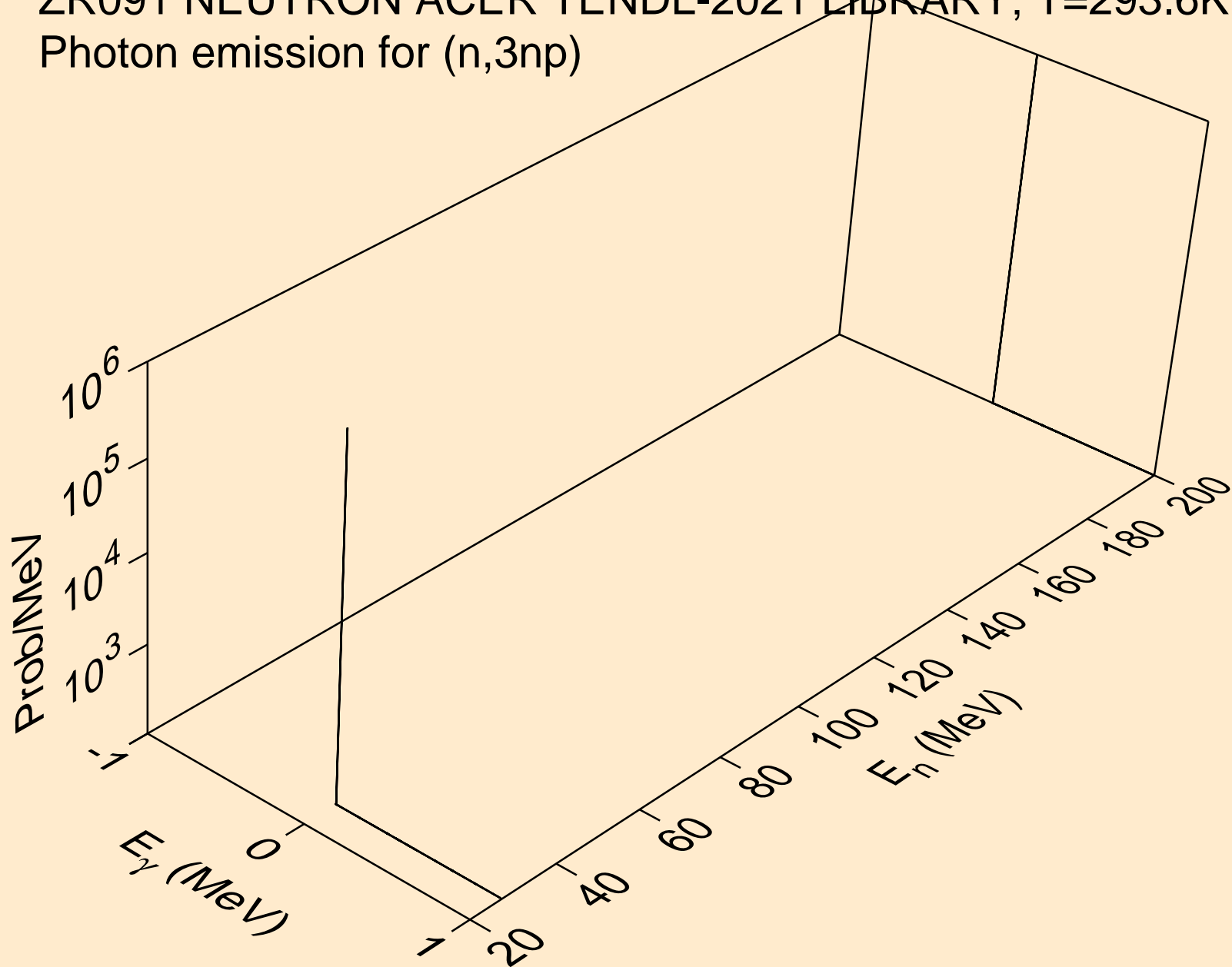
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Photon emission for (n,4n)



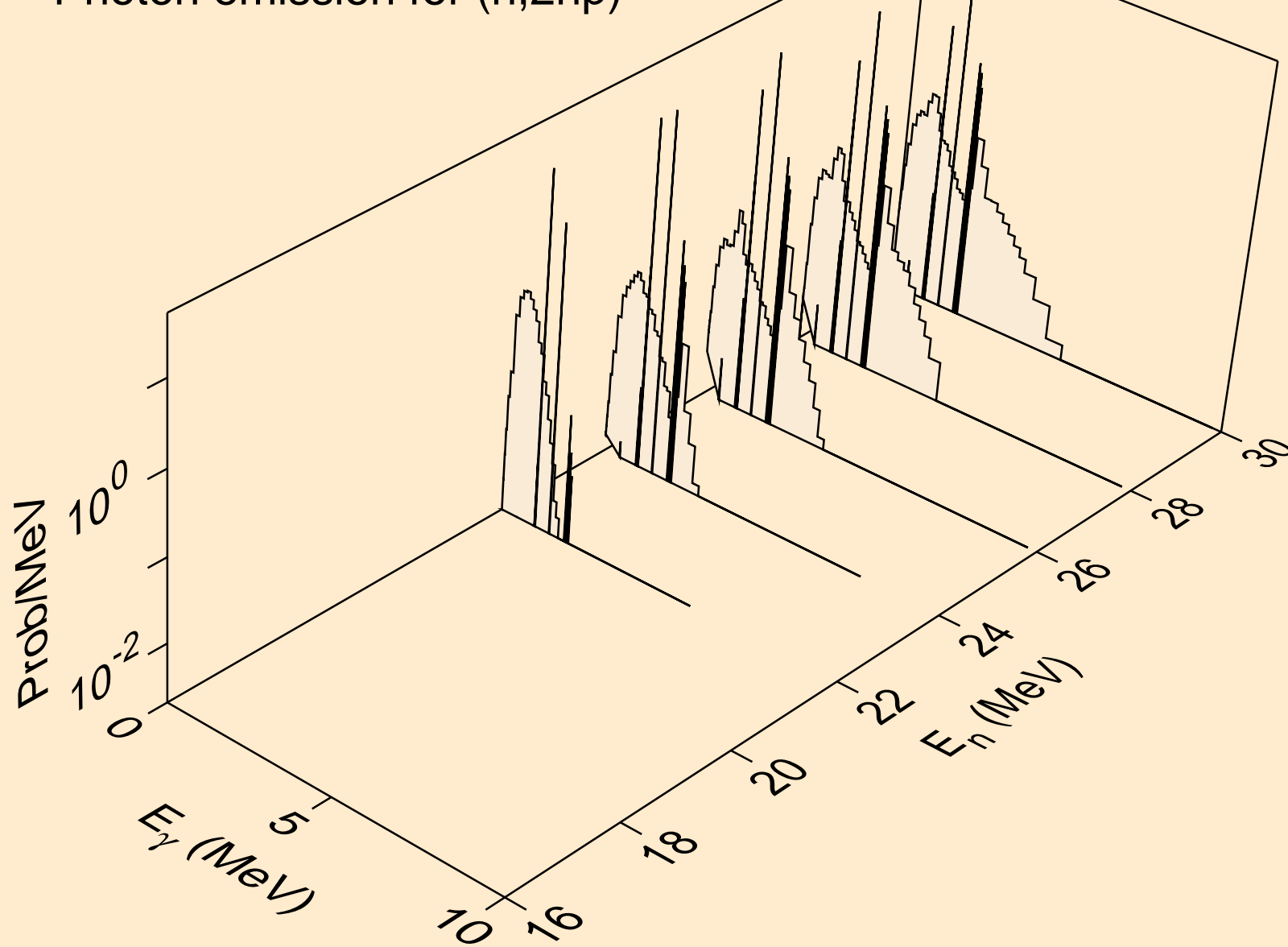
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Photon emission for (n,2np)



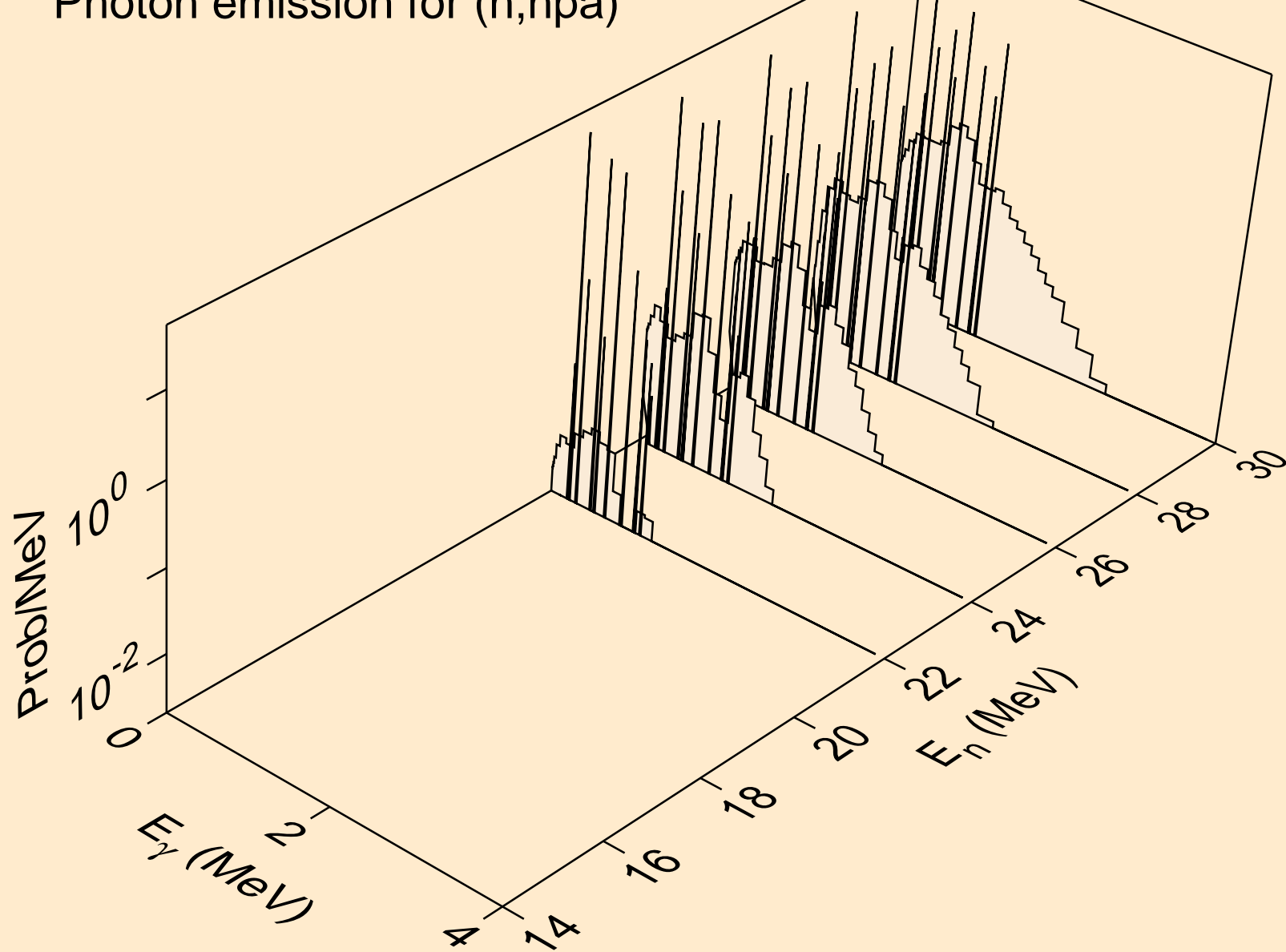
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Photon emission for (n,3np)



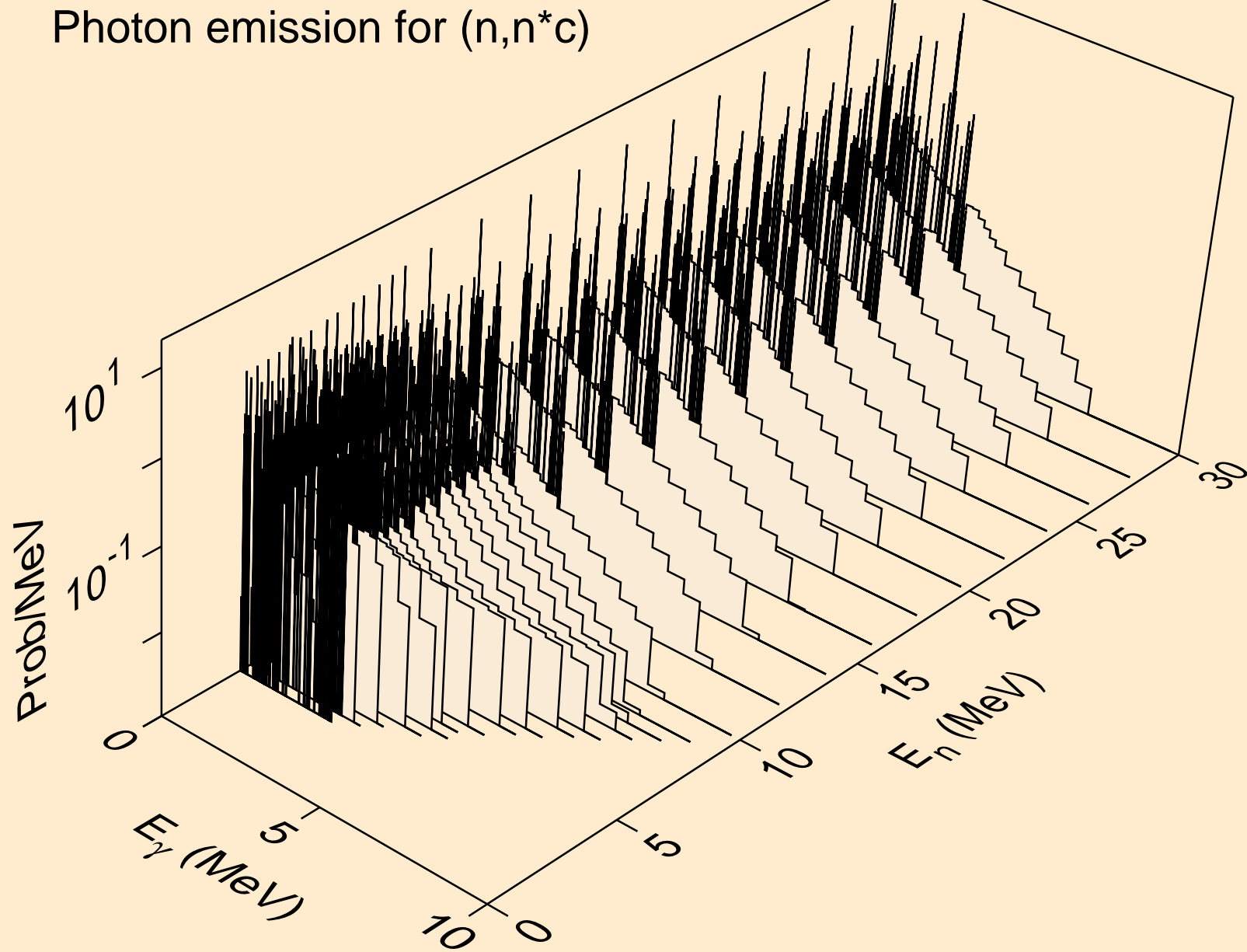
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Photon emission for (n,2np)



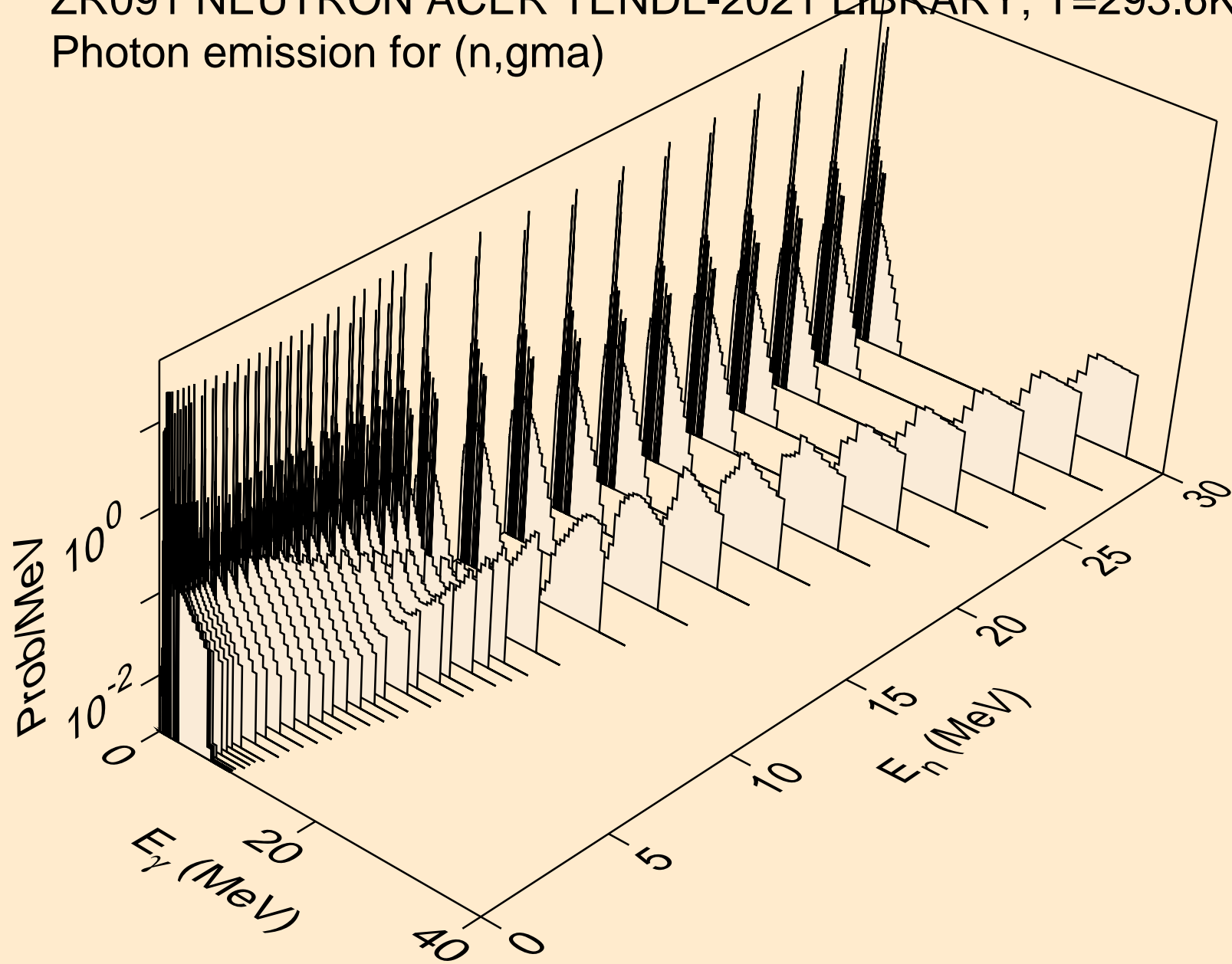
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,npa)



ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)

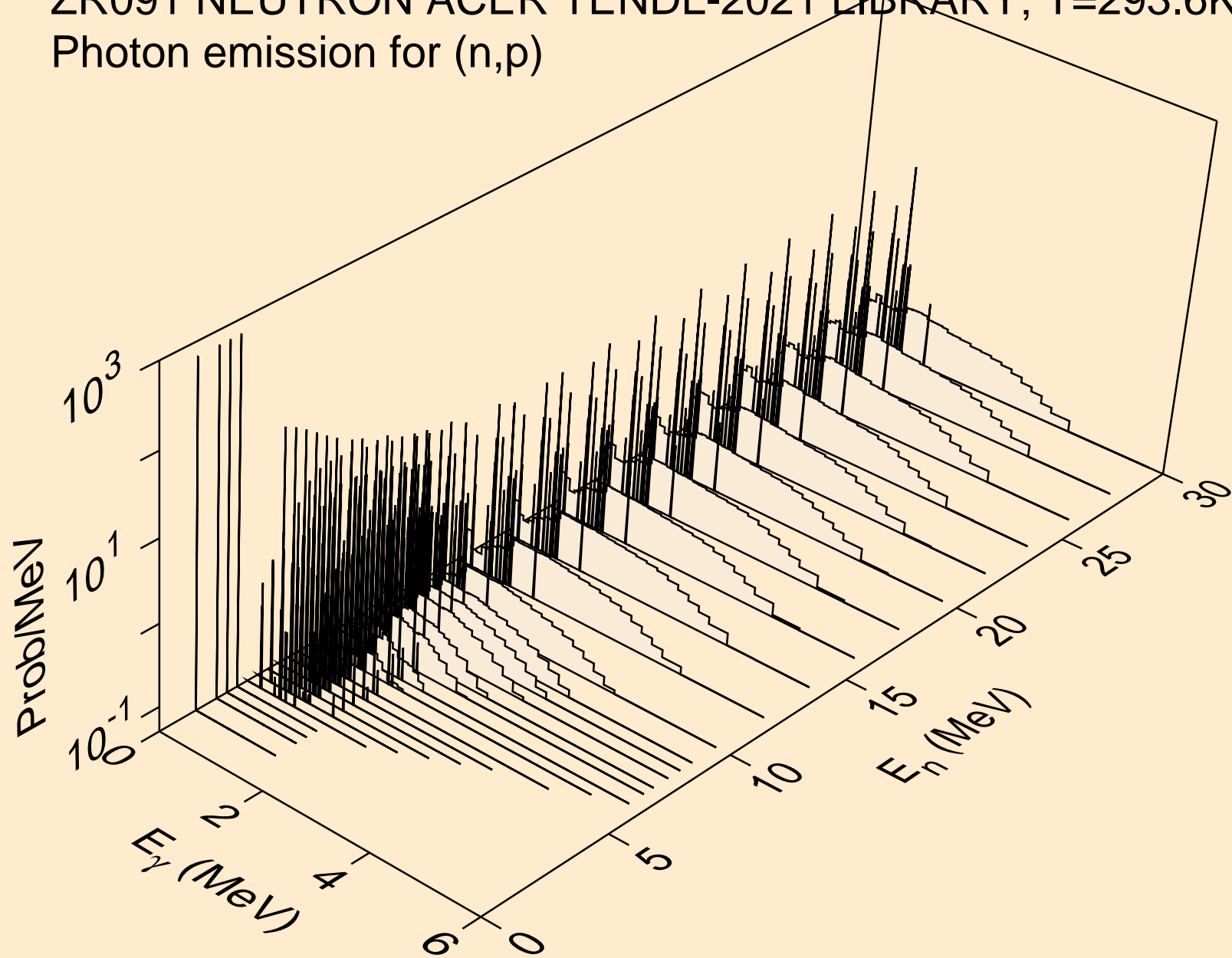


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Photon emission for (n,gma)

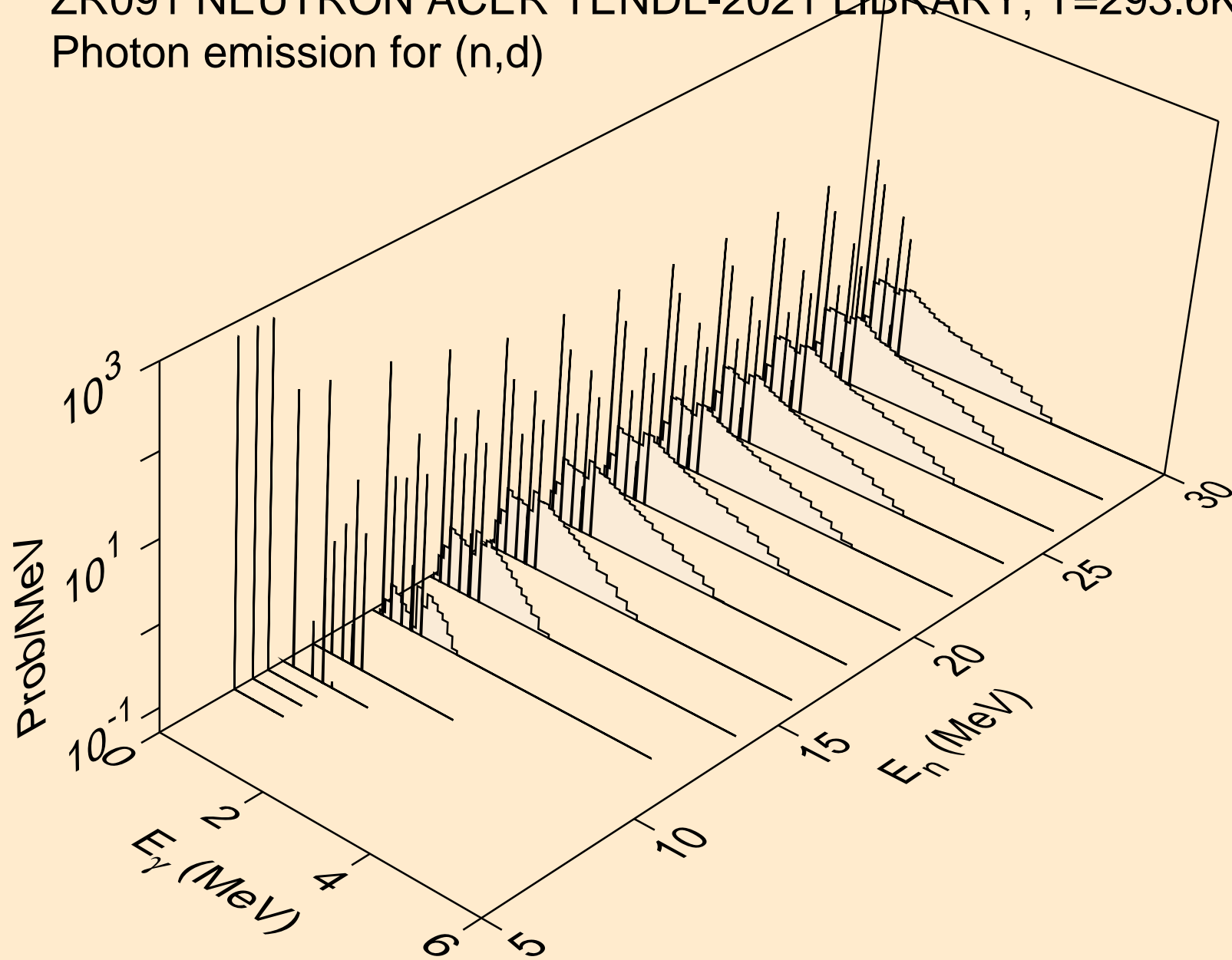




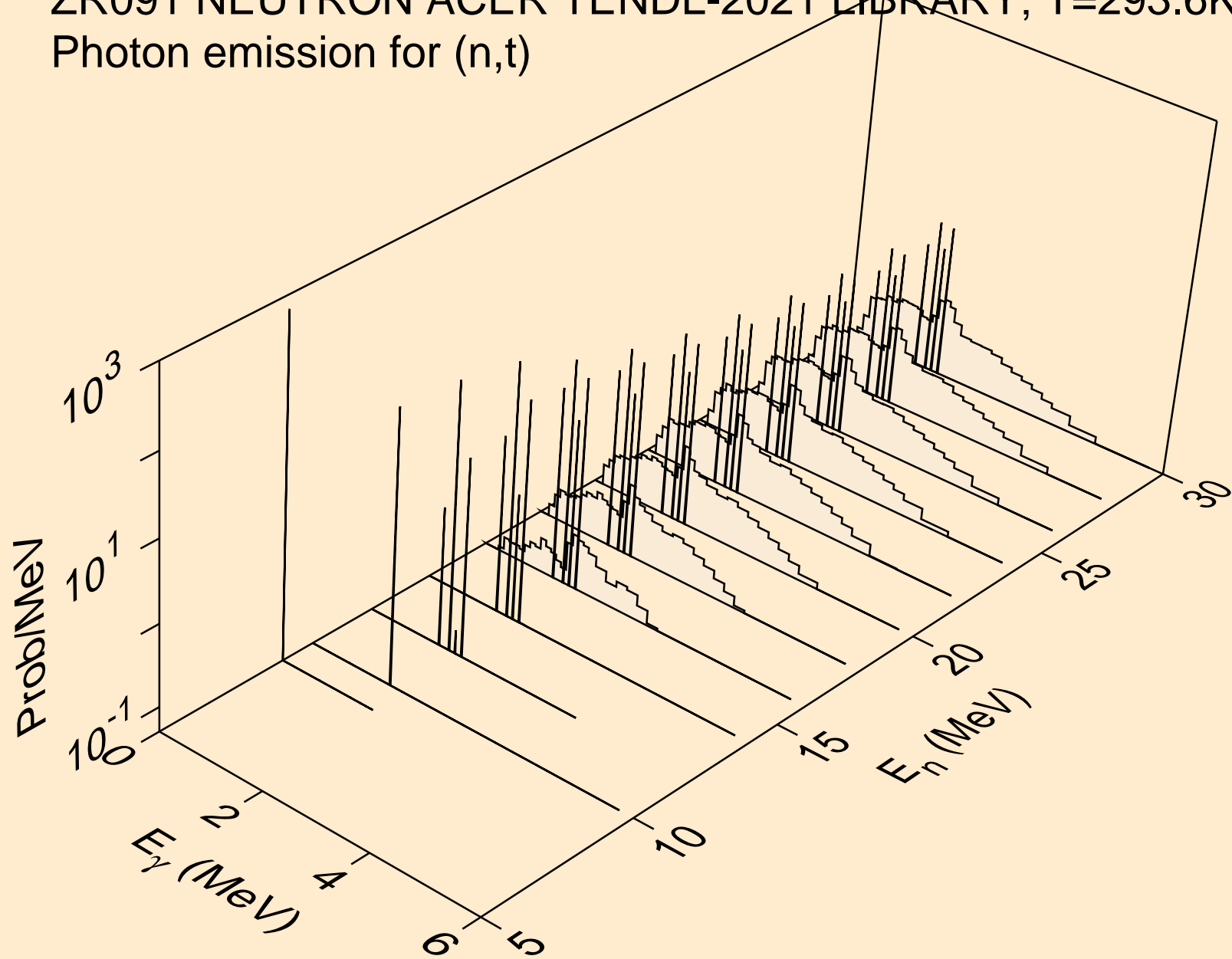
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Photon emission for (n,p)



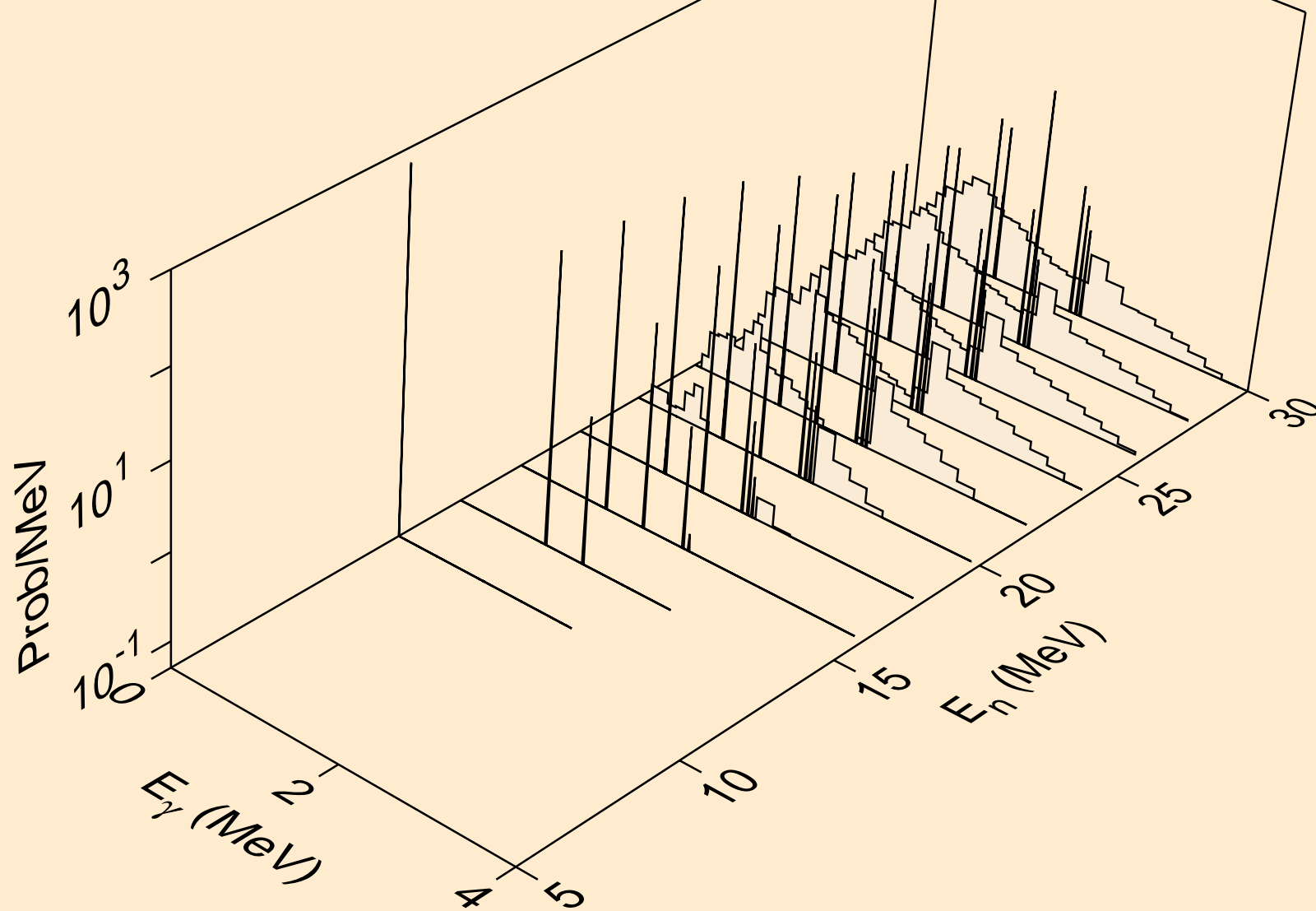
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Photon emission for (n,d)



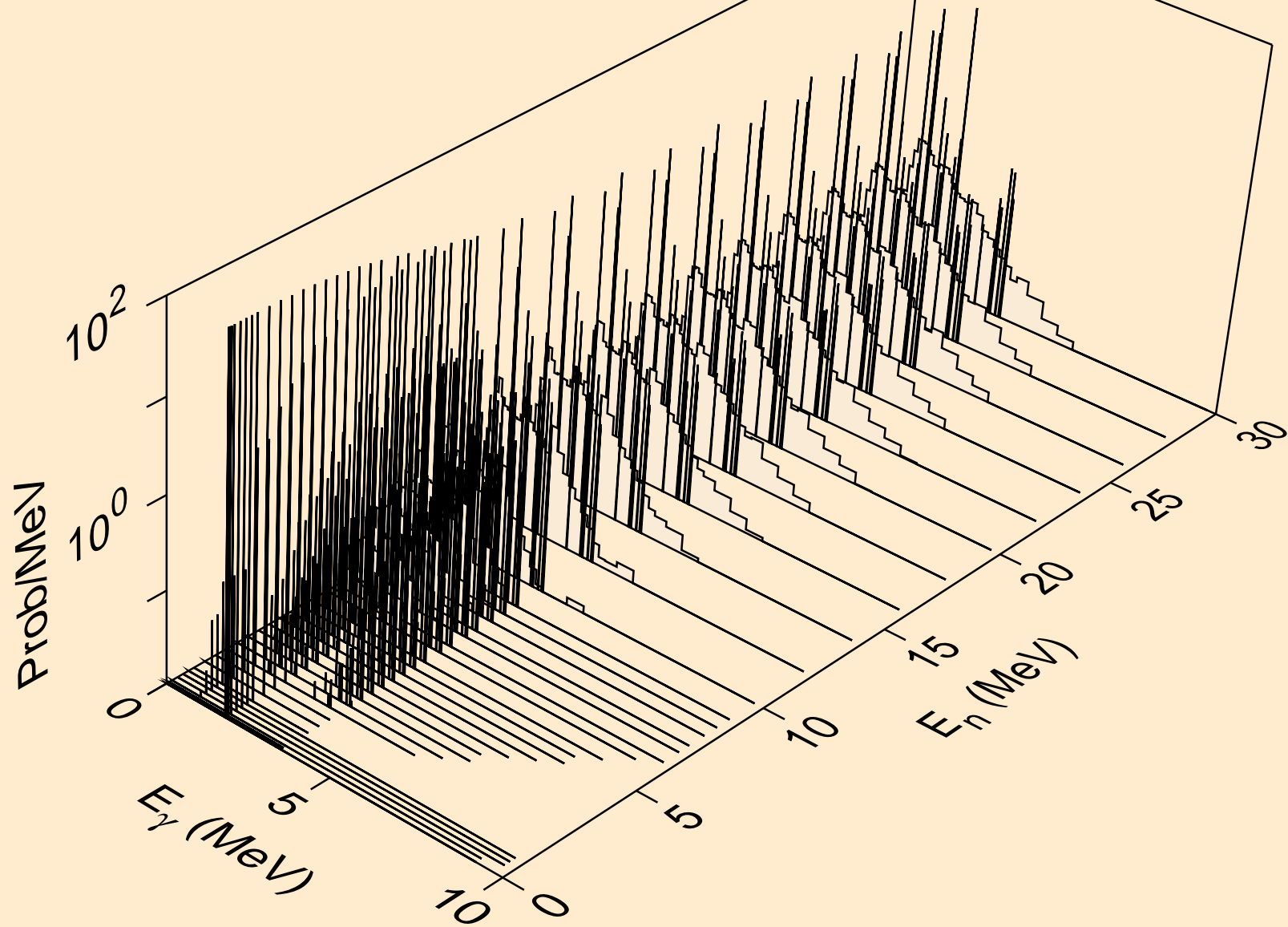
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Photon emission for (n,t)



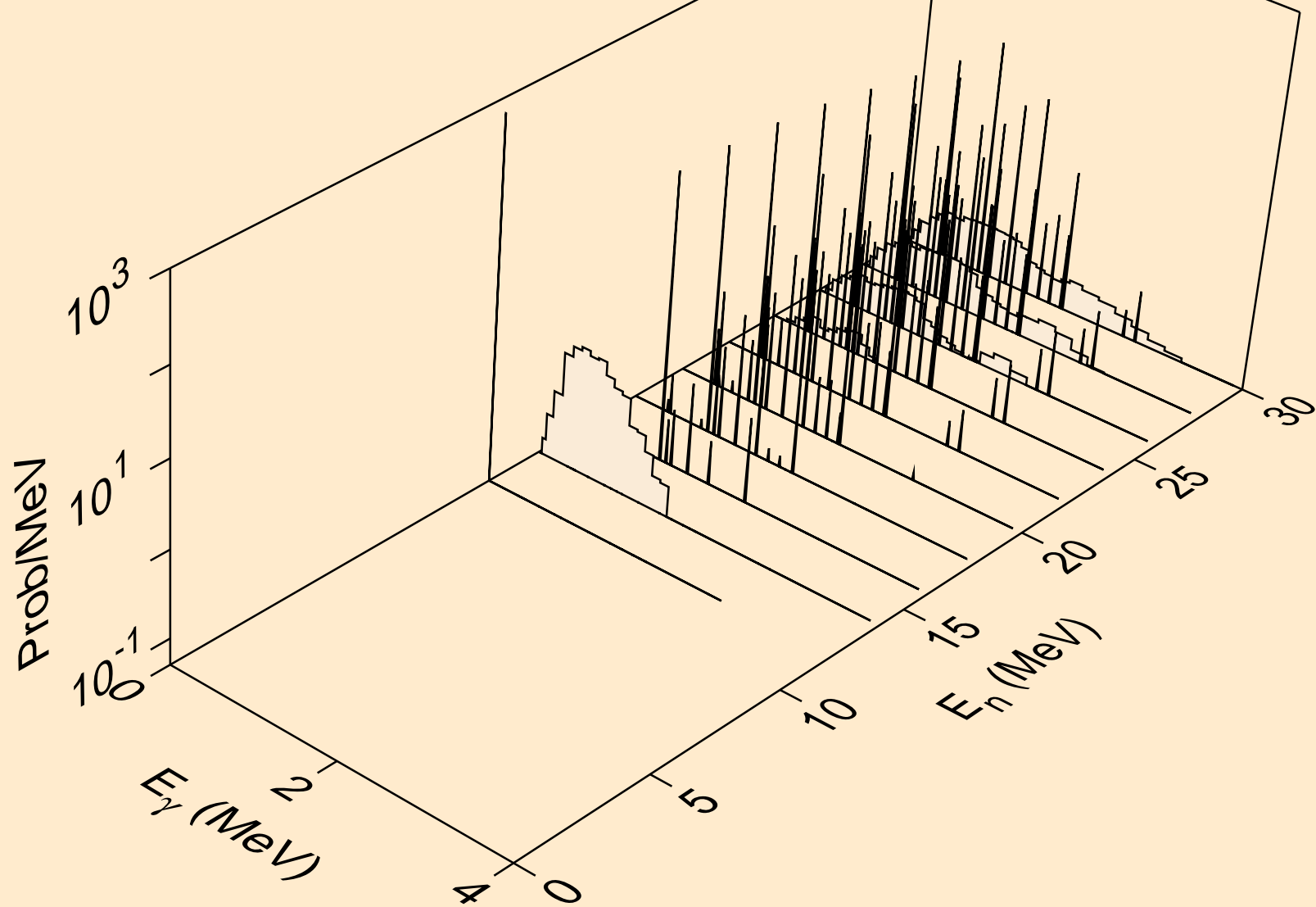
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Photon emission for (n,he3)



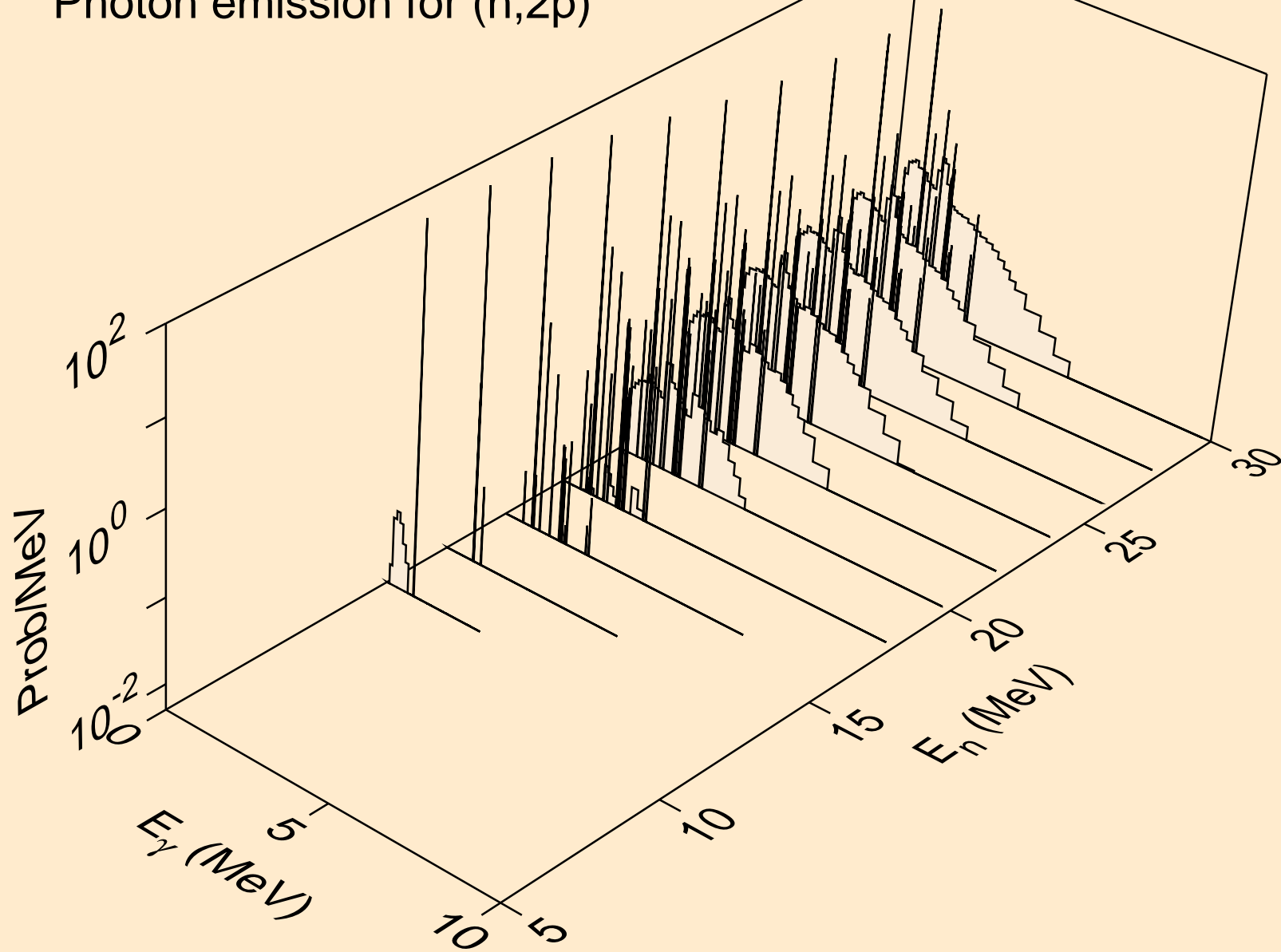
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Photon emission for (n,a)



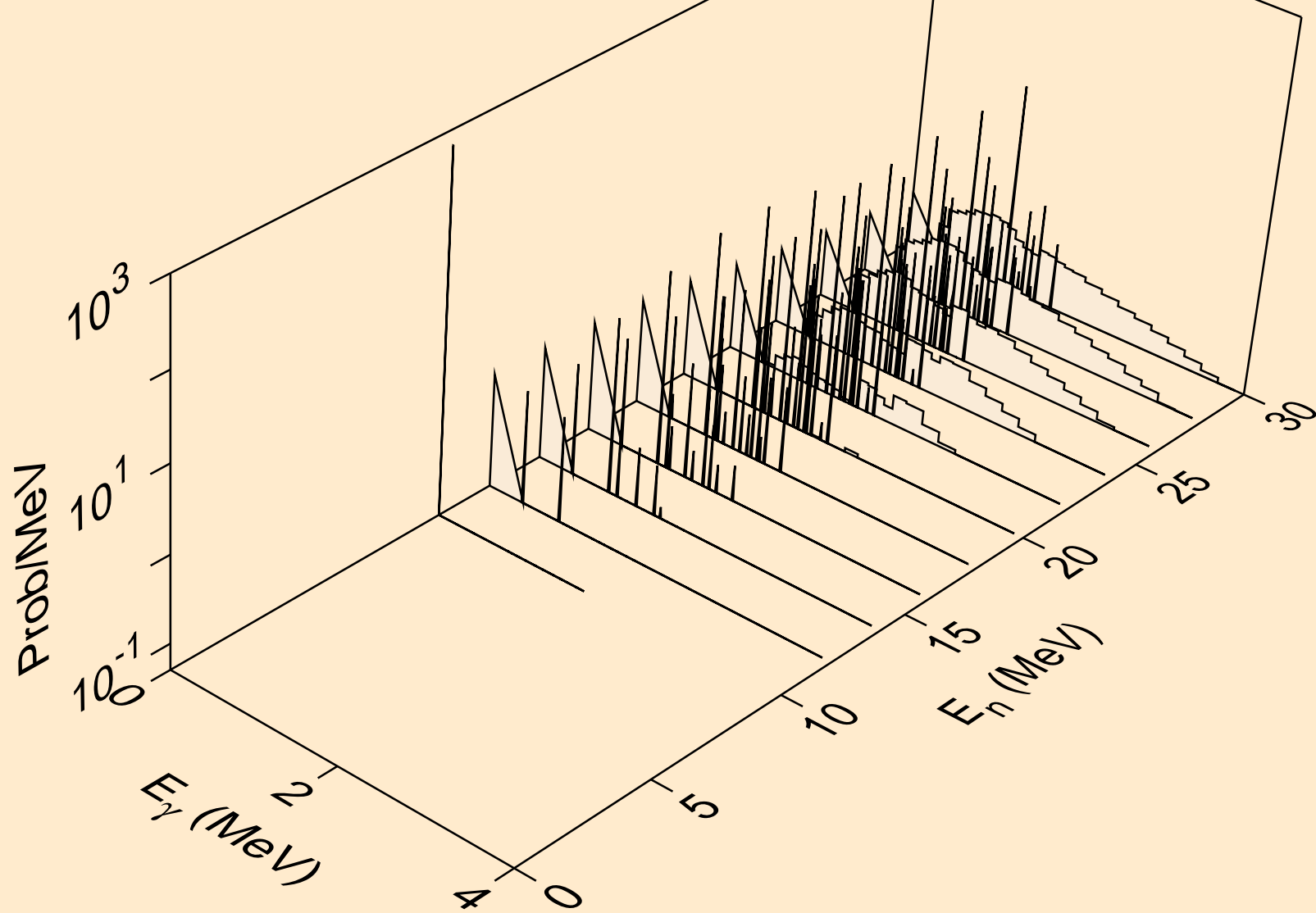
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2a)



ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2p)

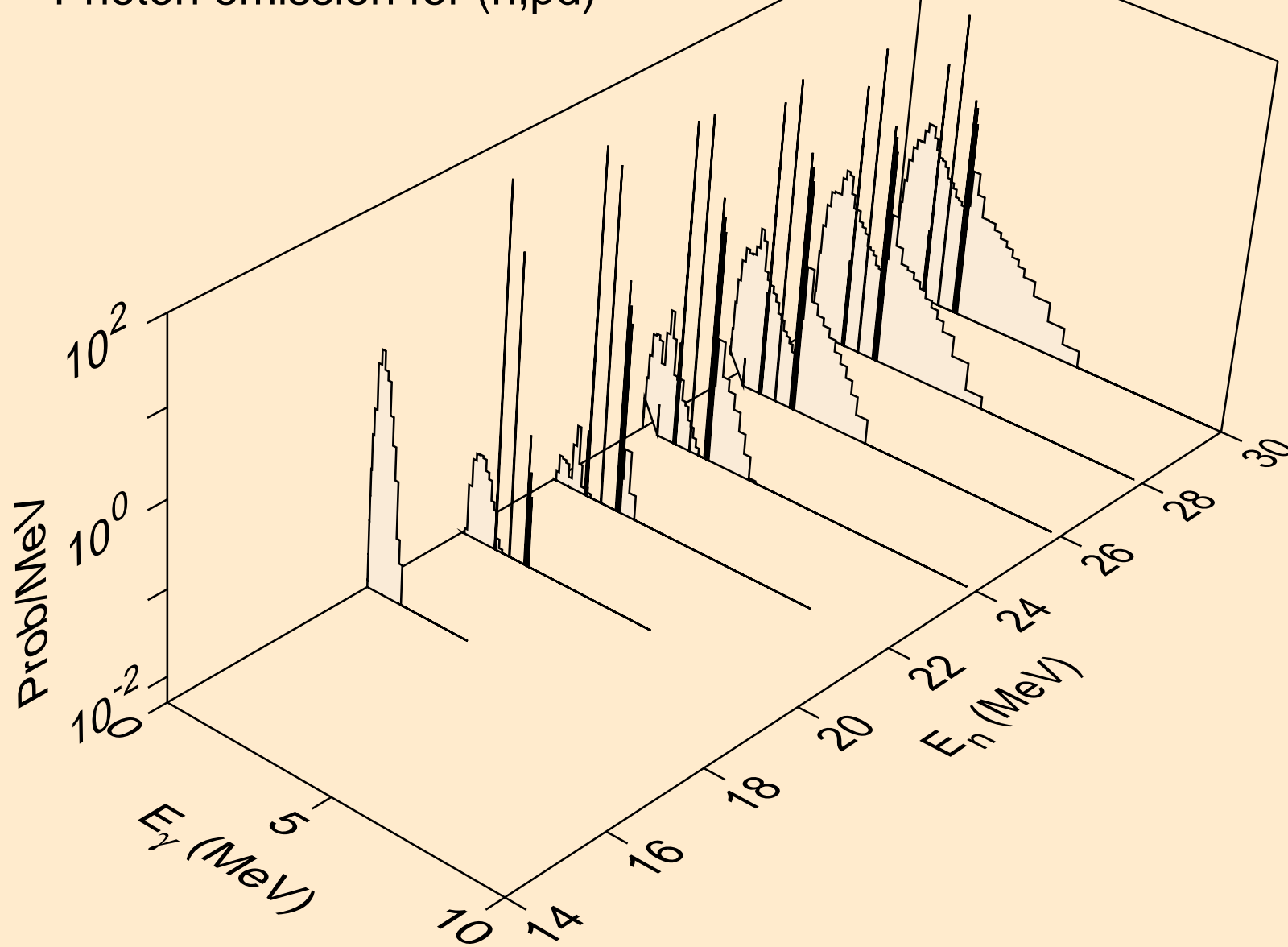


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Photon emission for (n,p $\alpha$ )

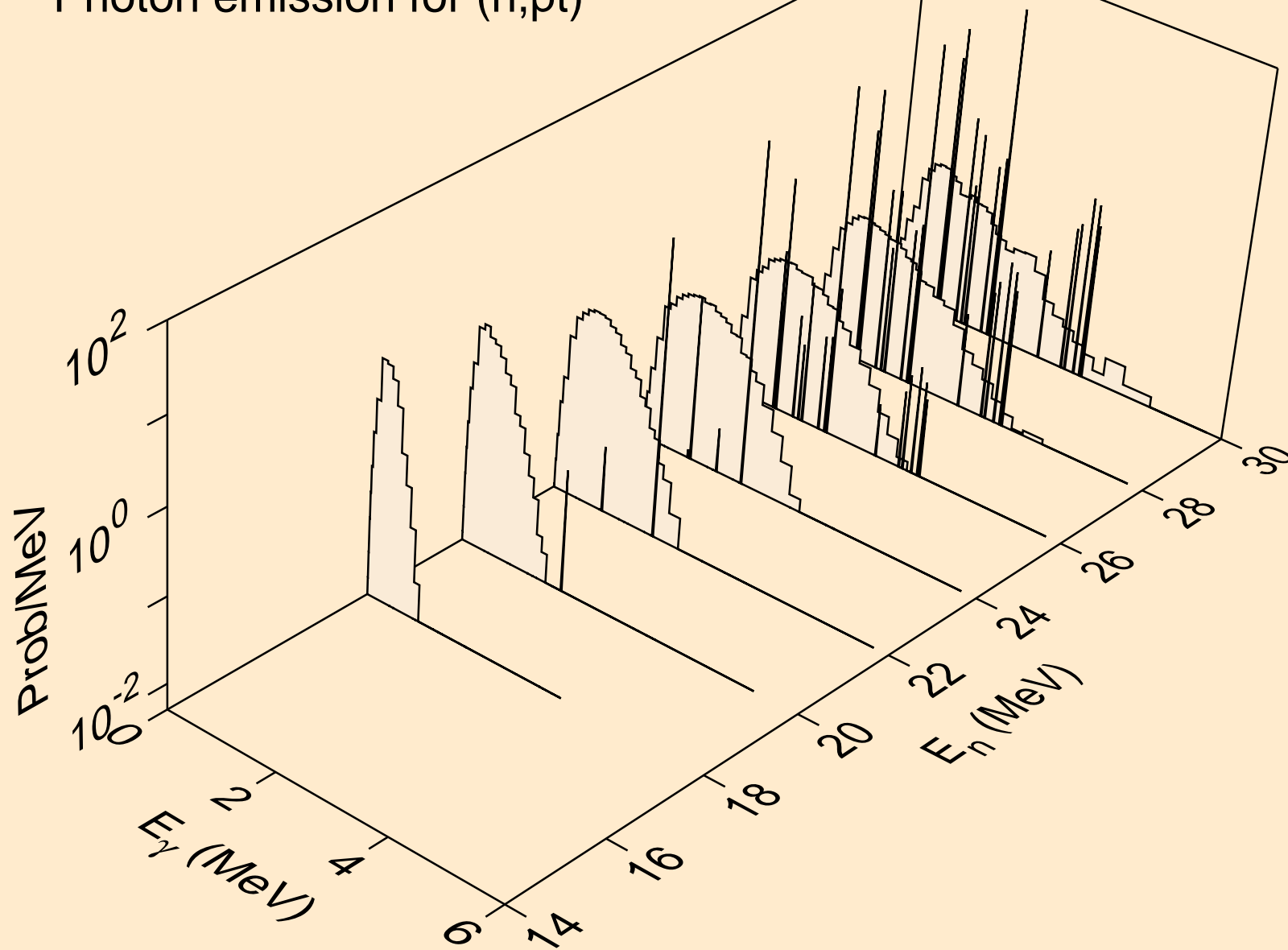




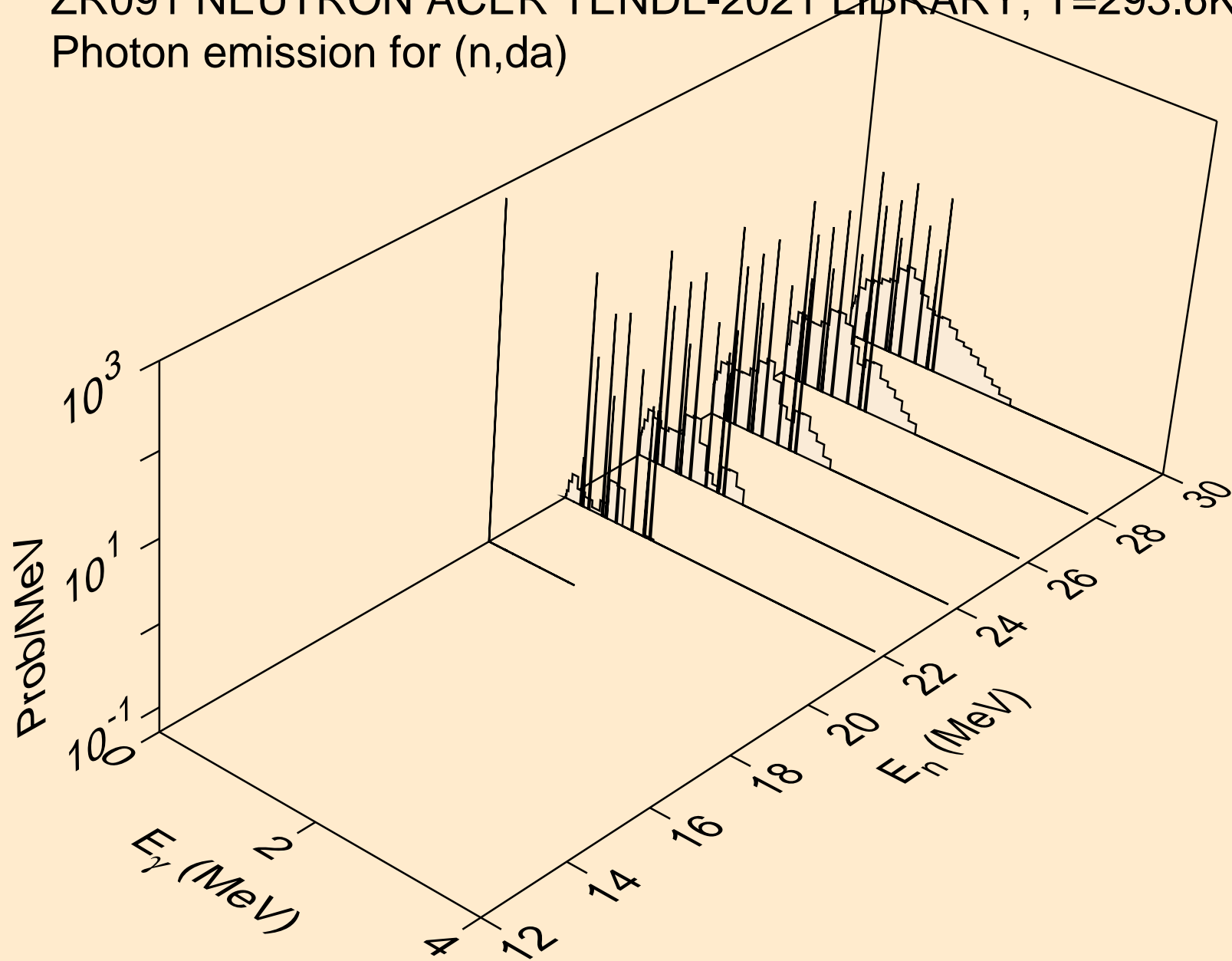
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Photon emission for (n,pd)



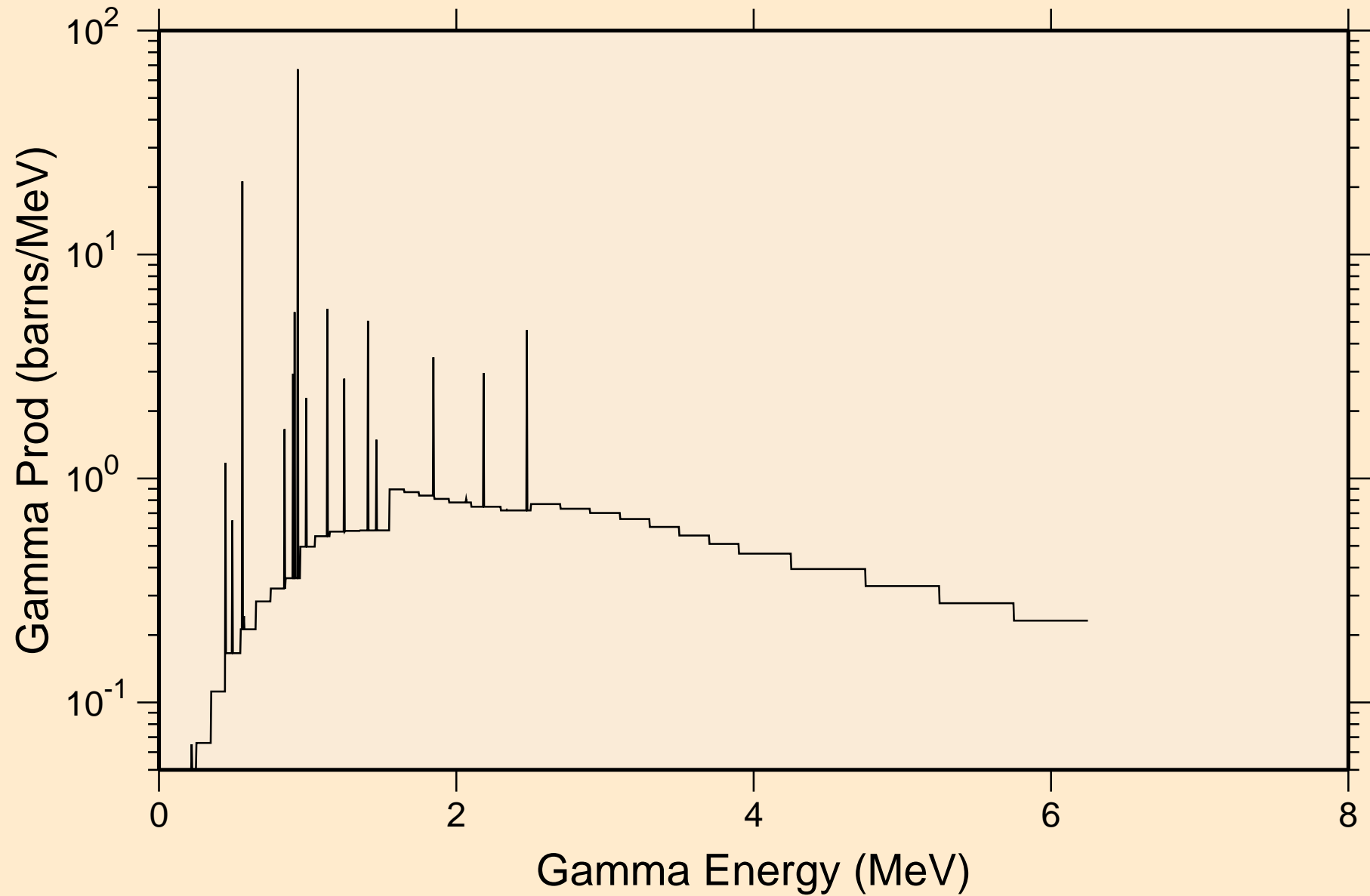
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Photon emission for (n,pt)



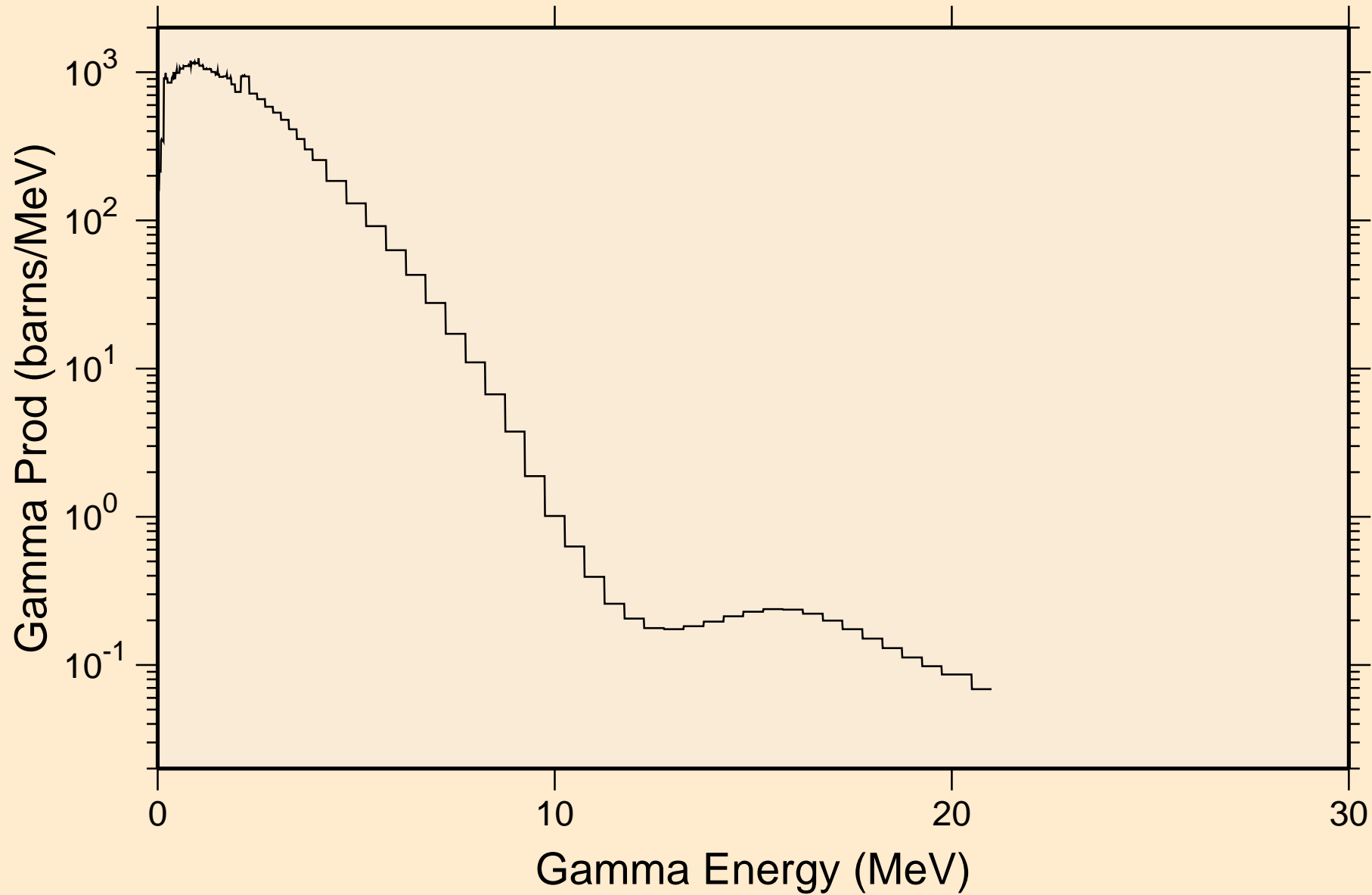
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Photon emission for (n,da)



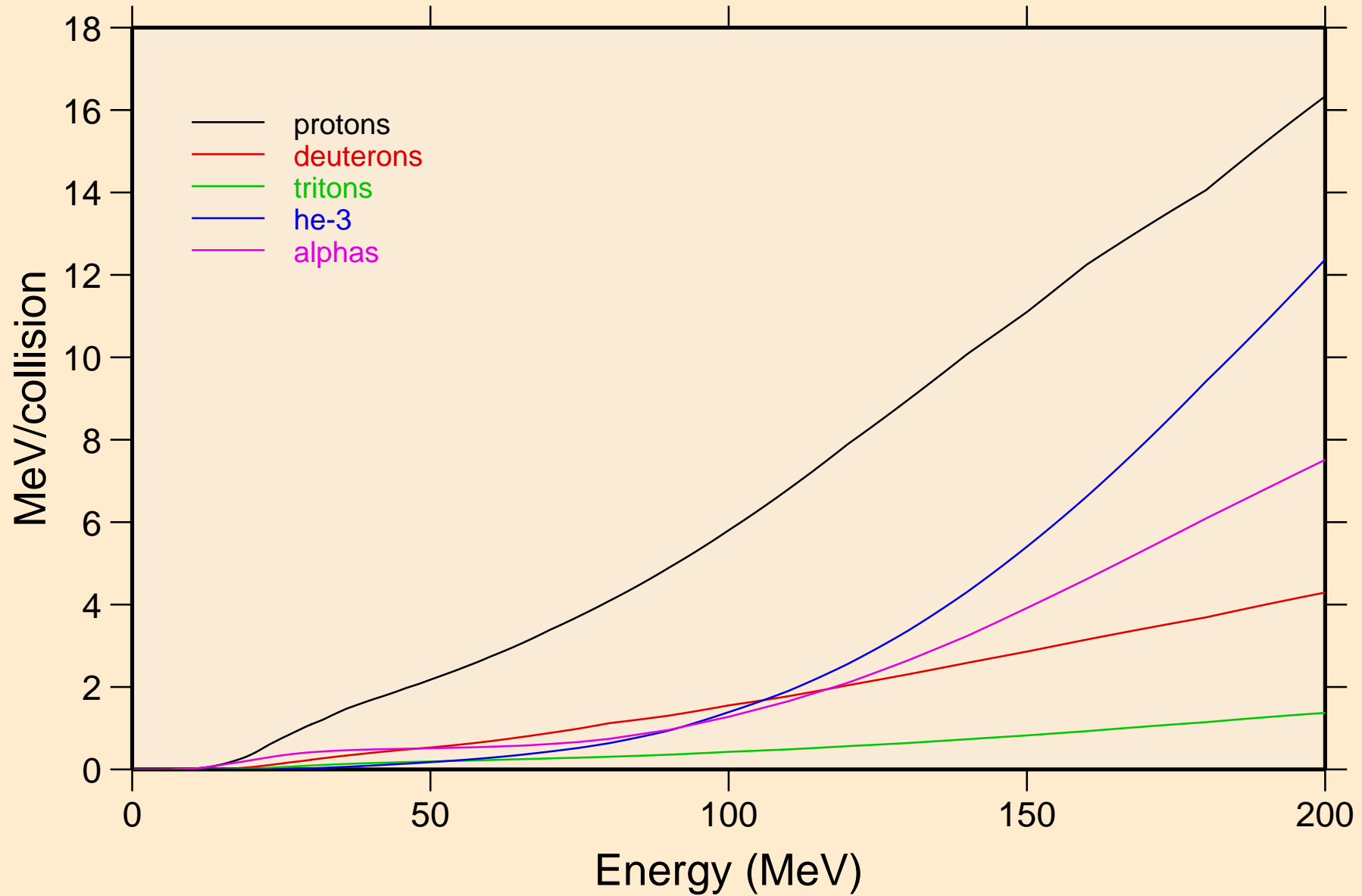
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thermal capture photon spectrum



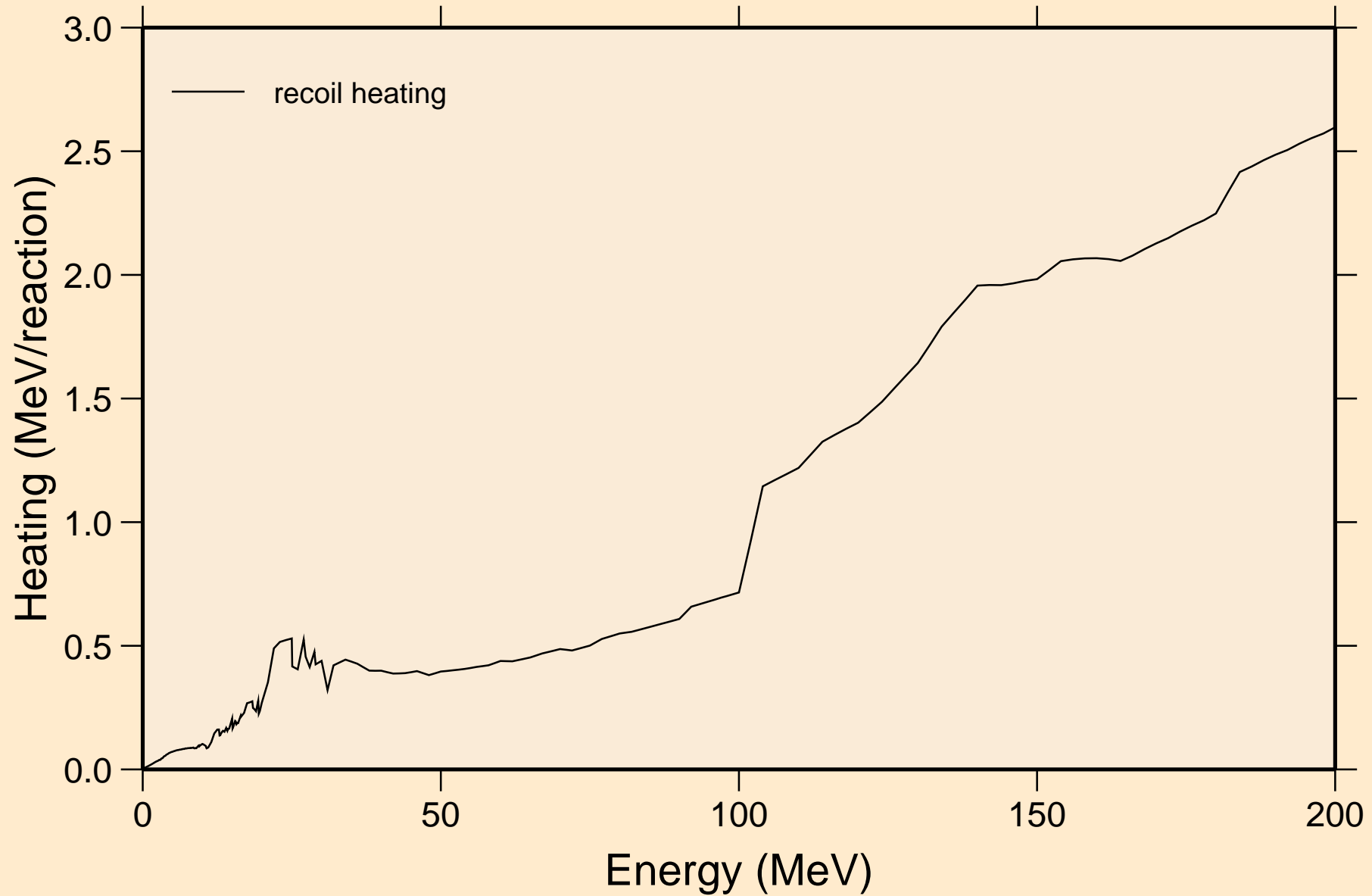
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14 MeV photon spectrum



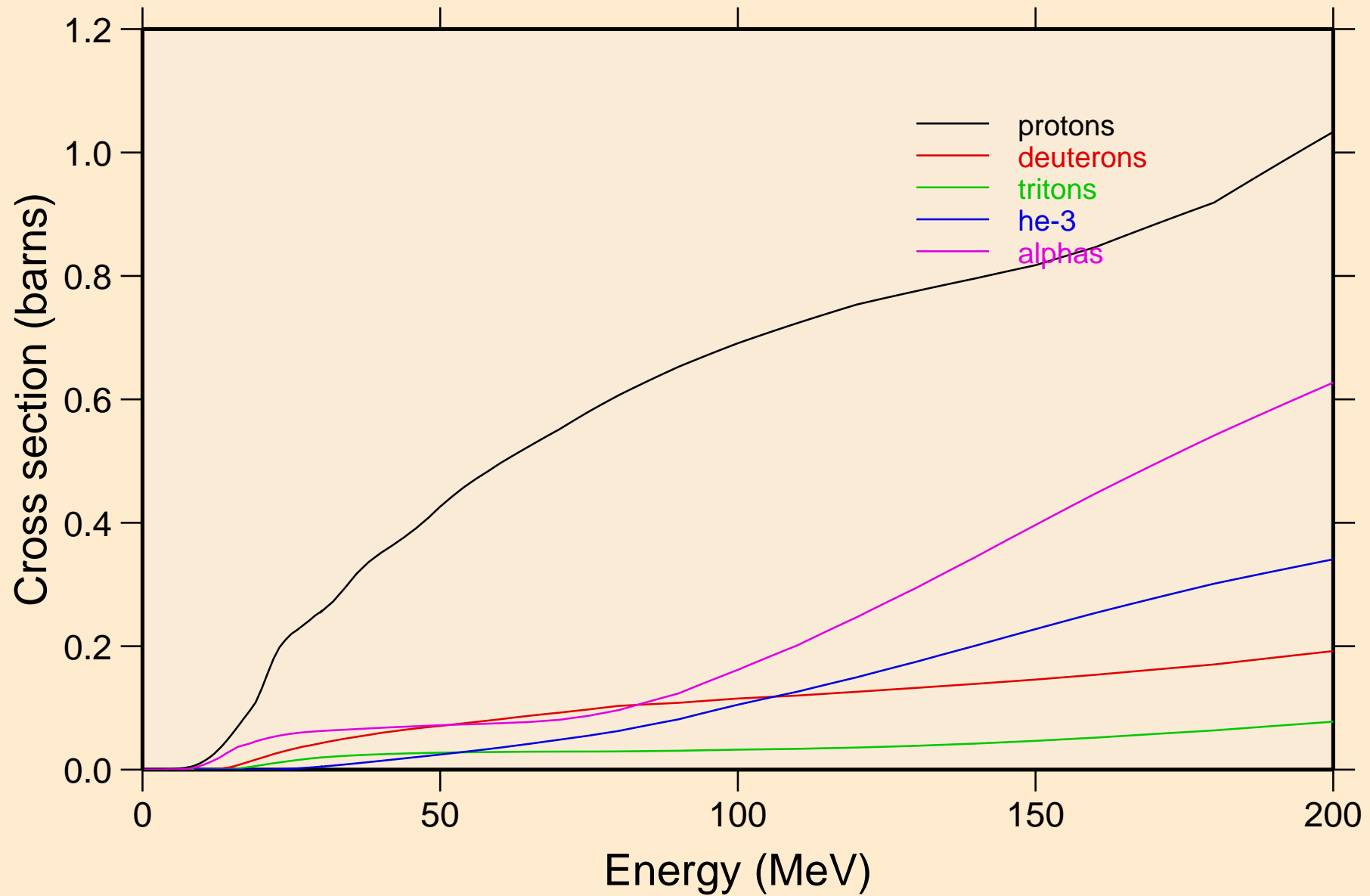
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle heating contributions



ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Recoil Heating

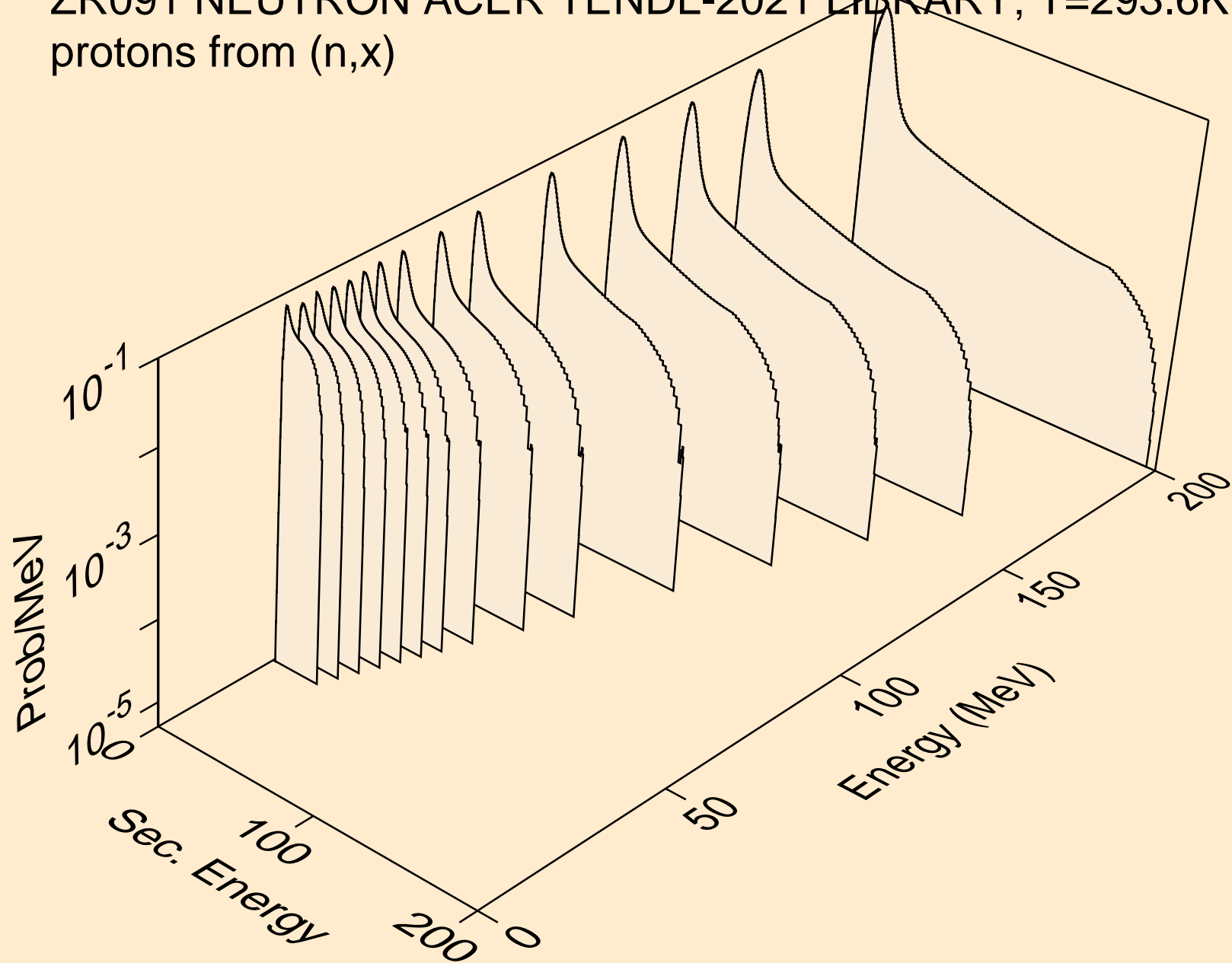


ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle production cross sections

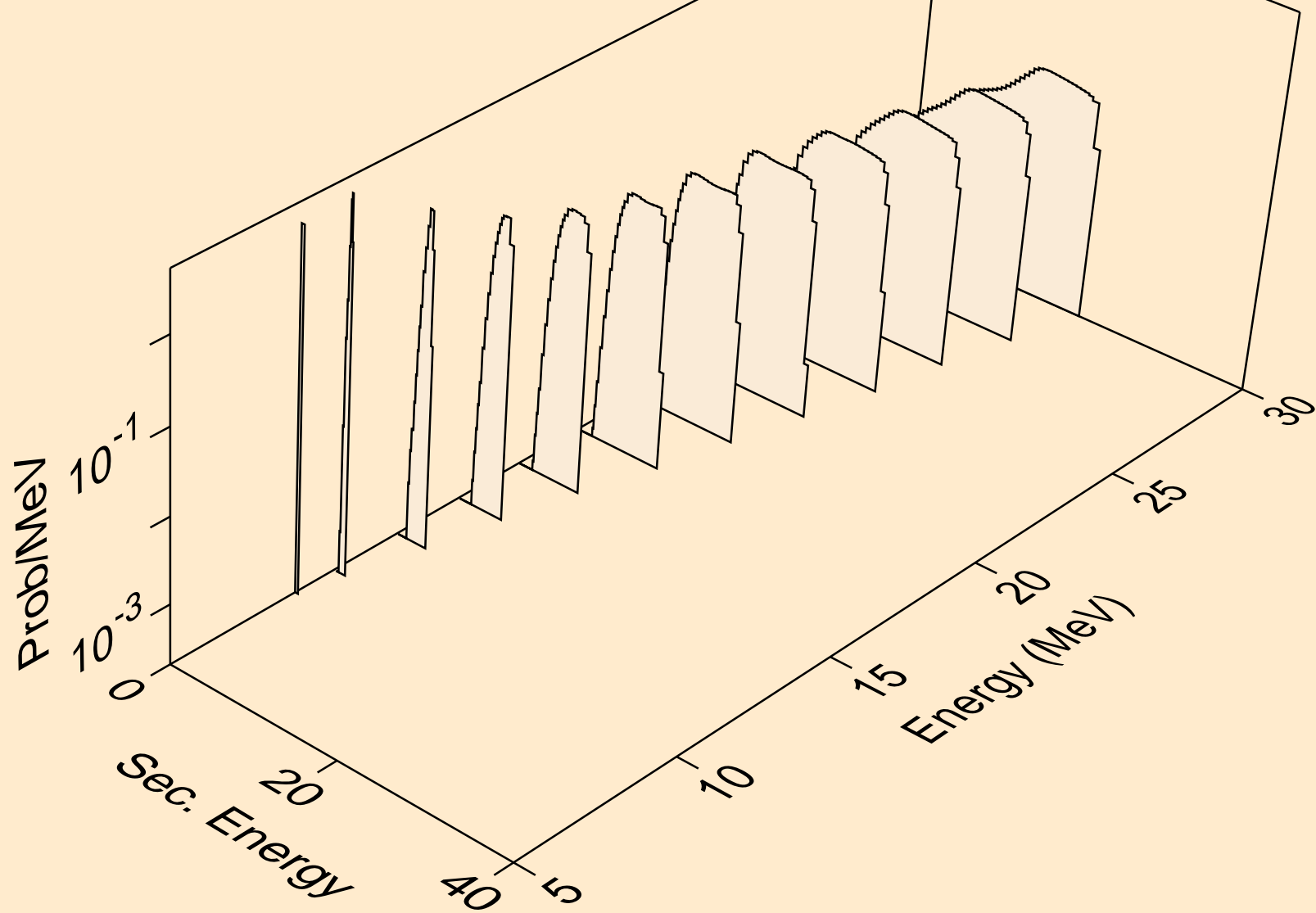




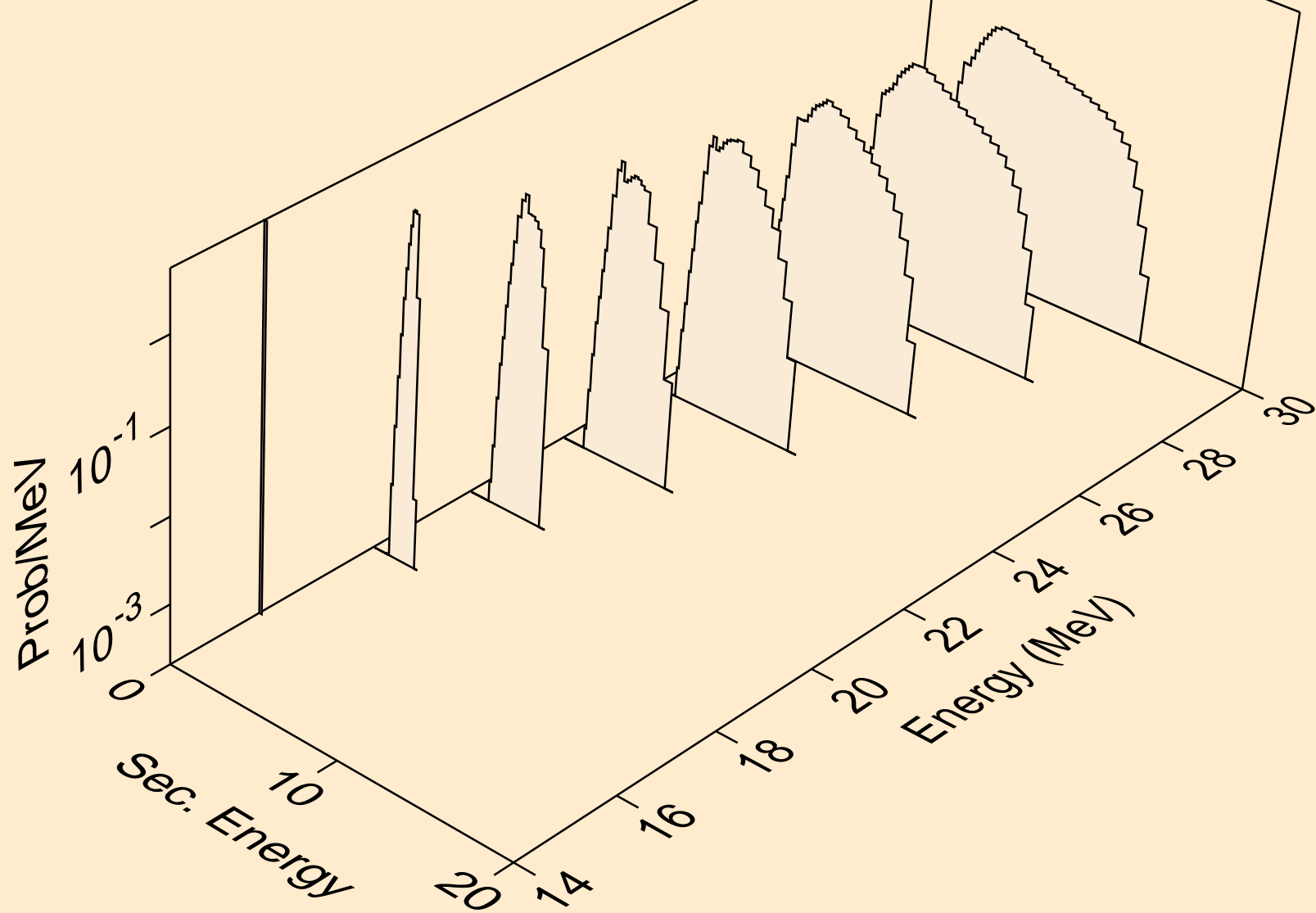
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protons from (n,x)



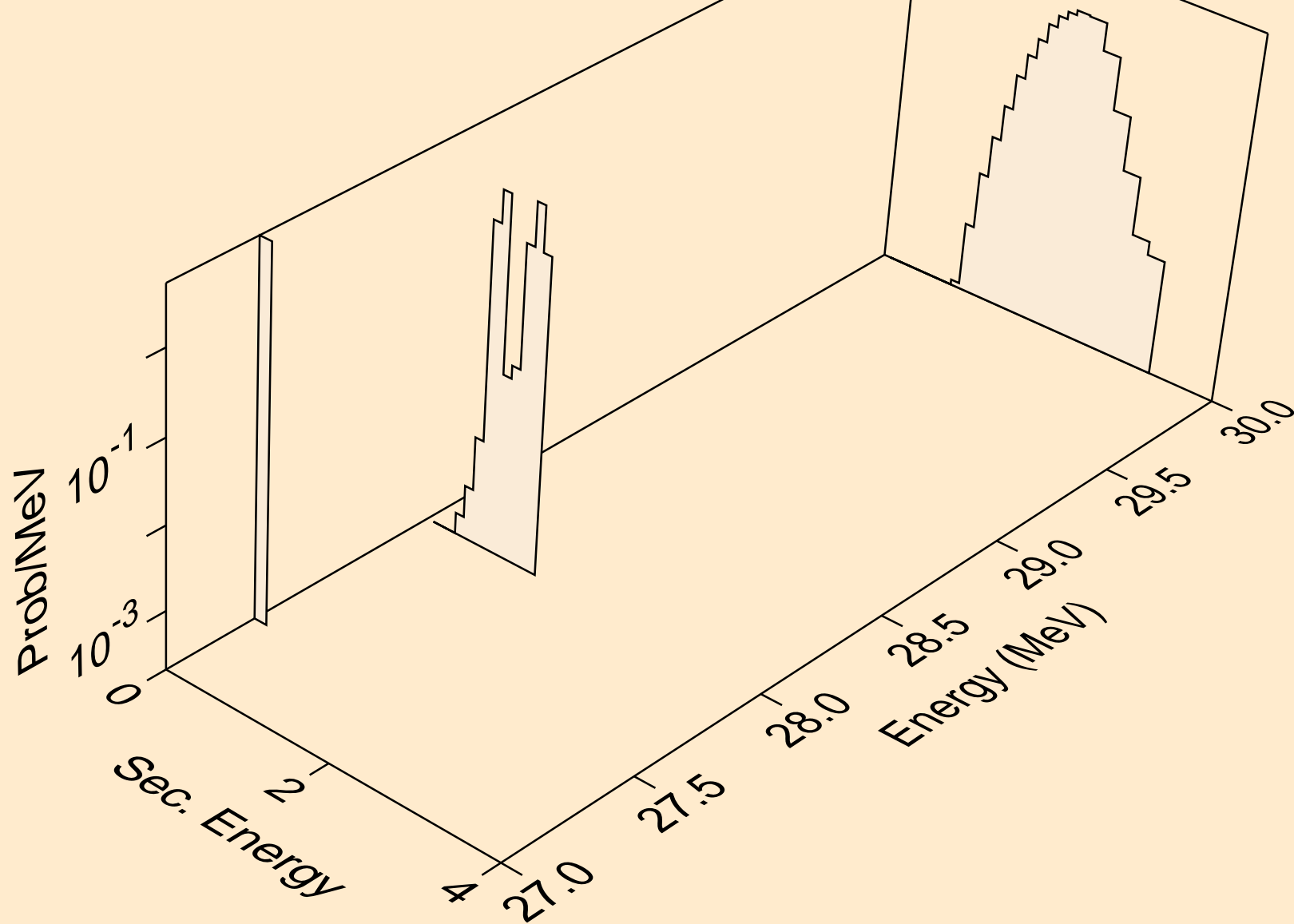
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protons from (n,n\*)p



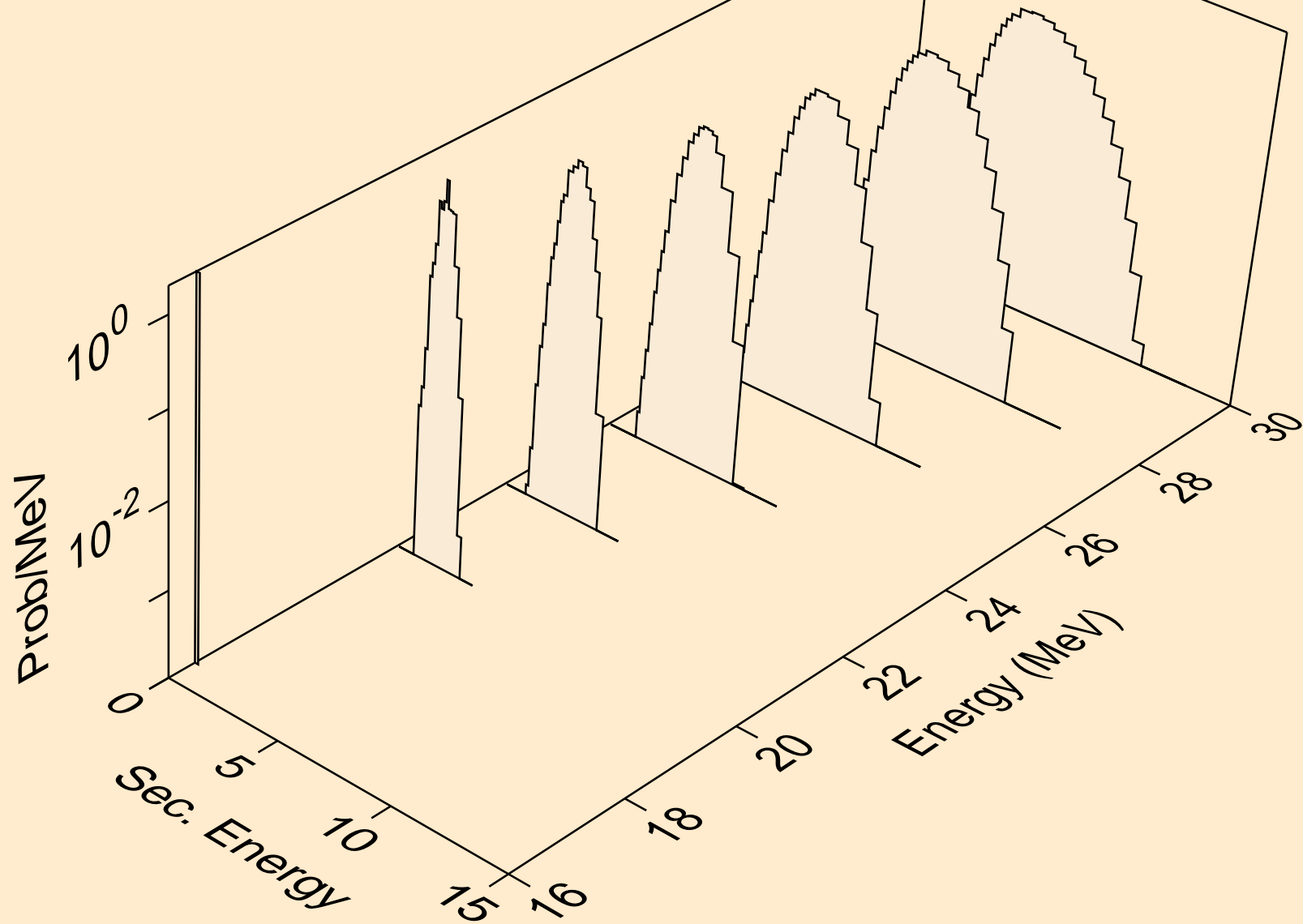
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protons from (n,2np)



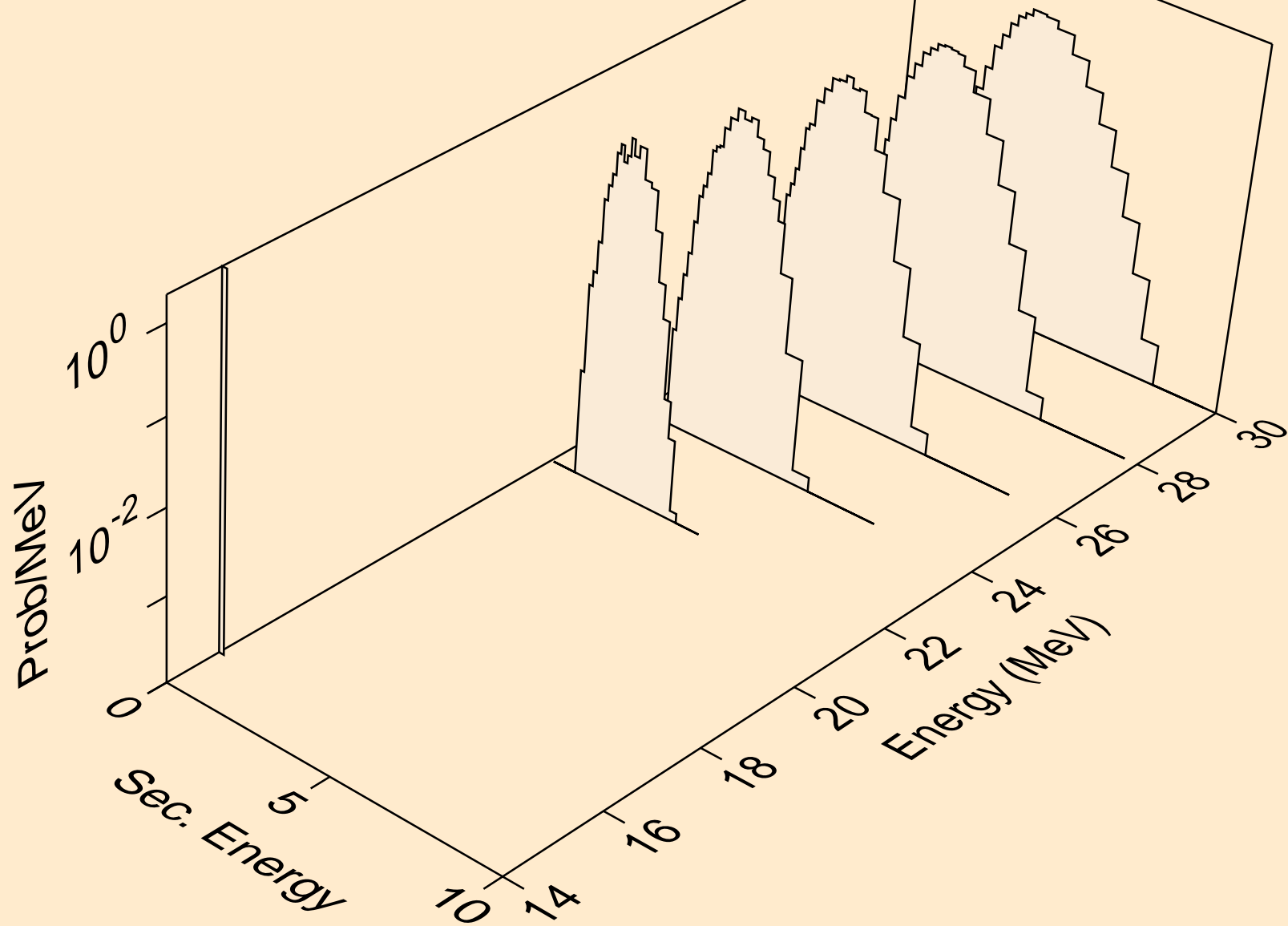
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protons from (n,3np)



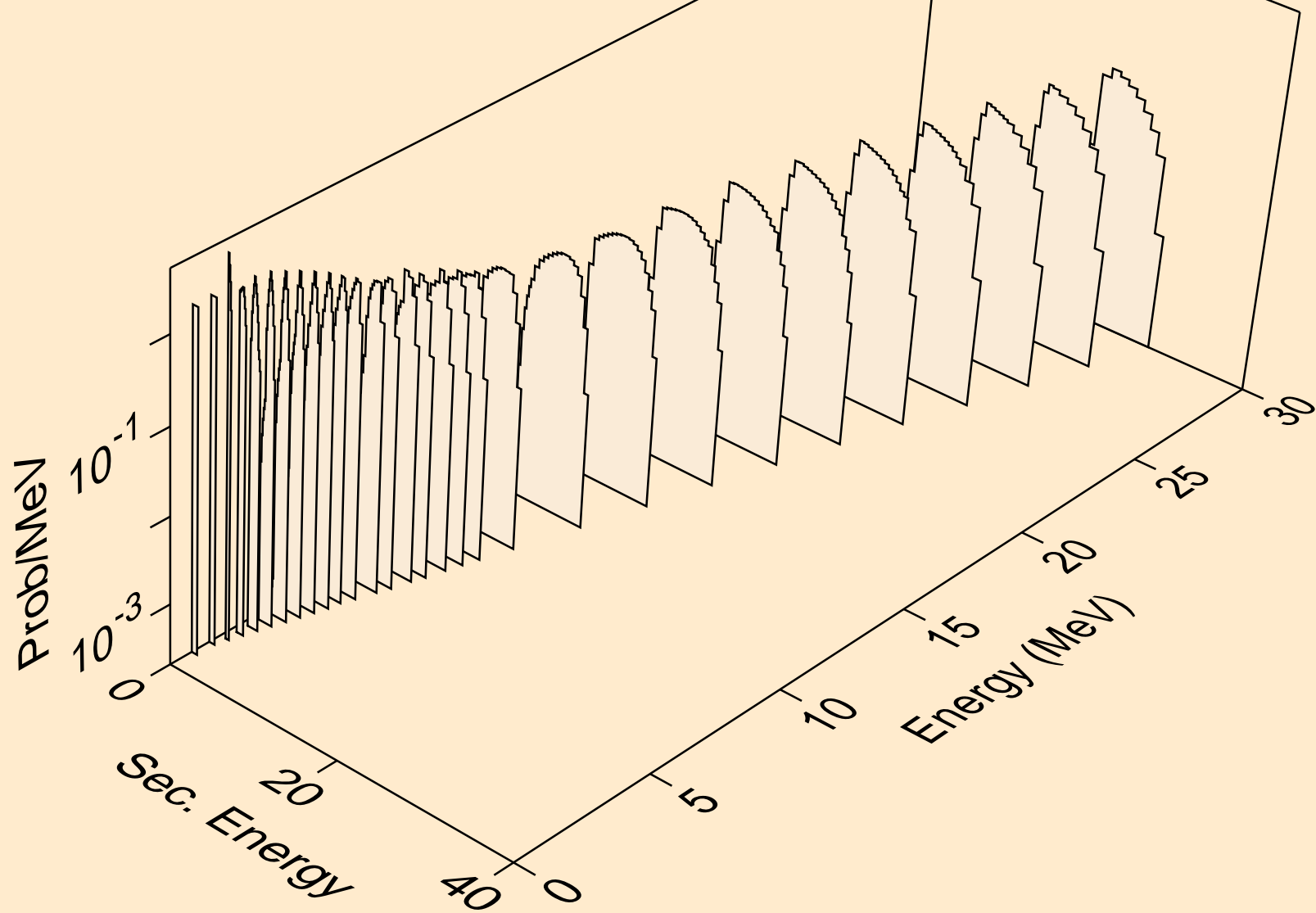
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protons from (n,2np)



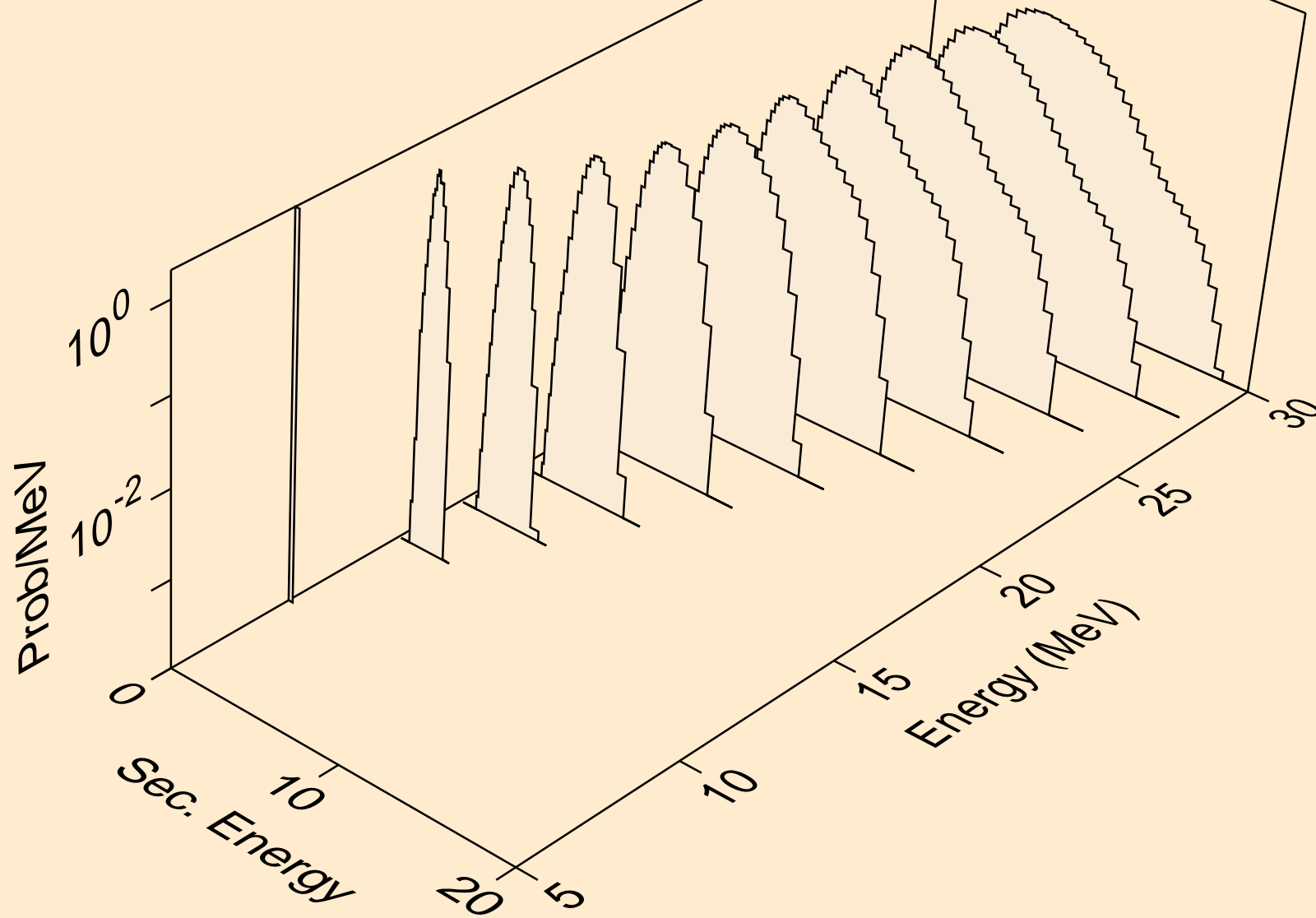
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protons from (n,npa)



ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)

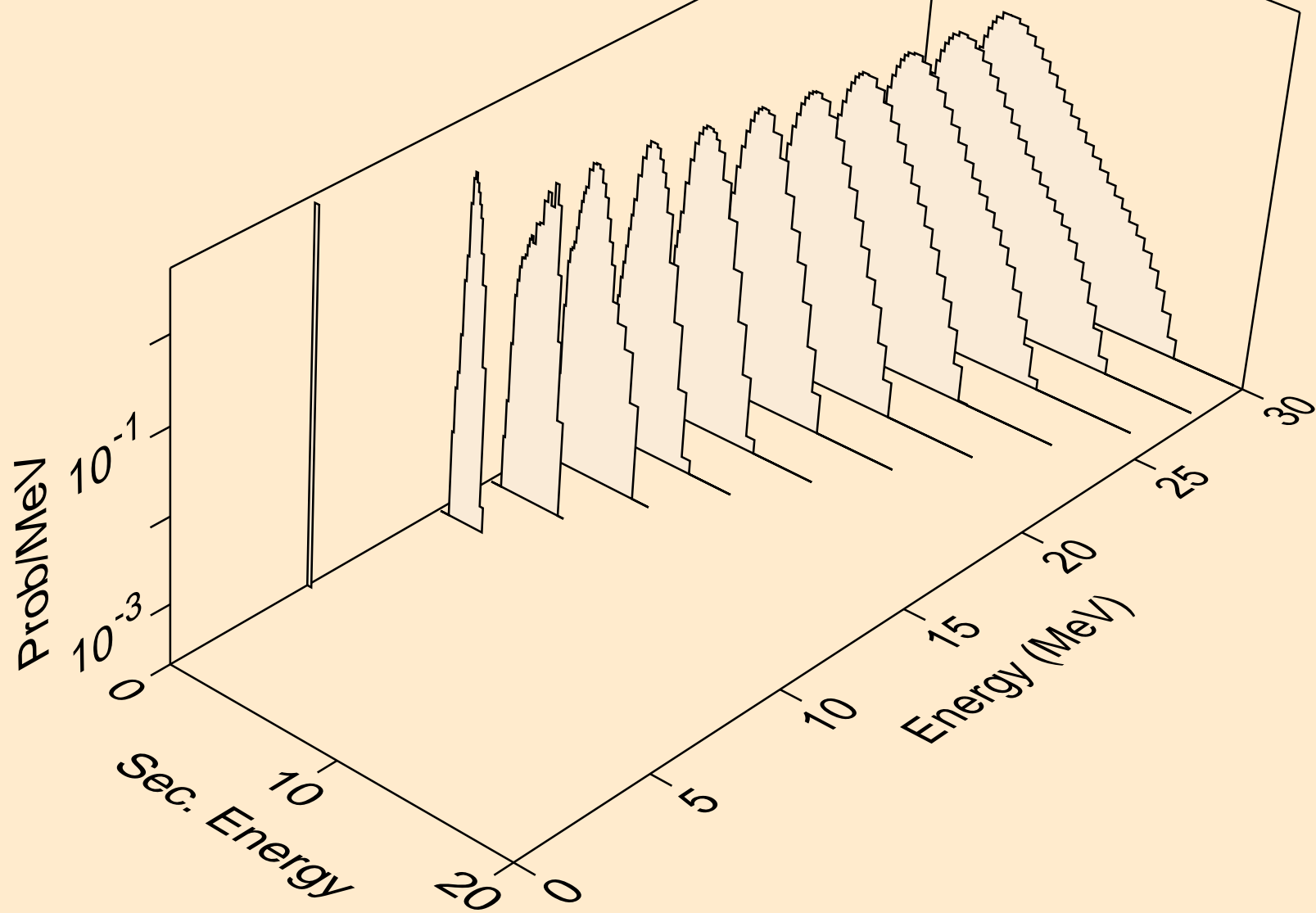


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protons from (n,2p)

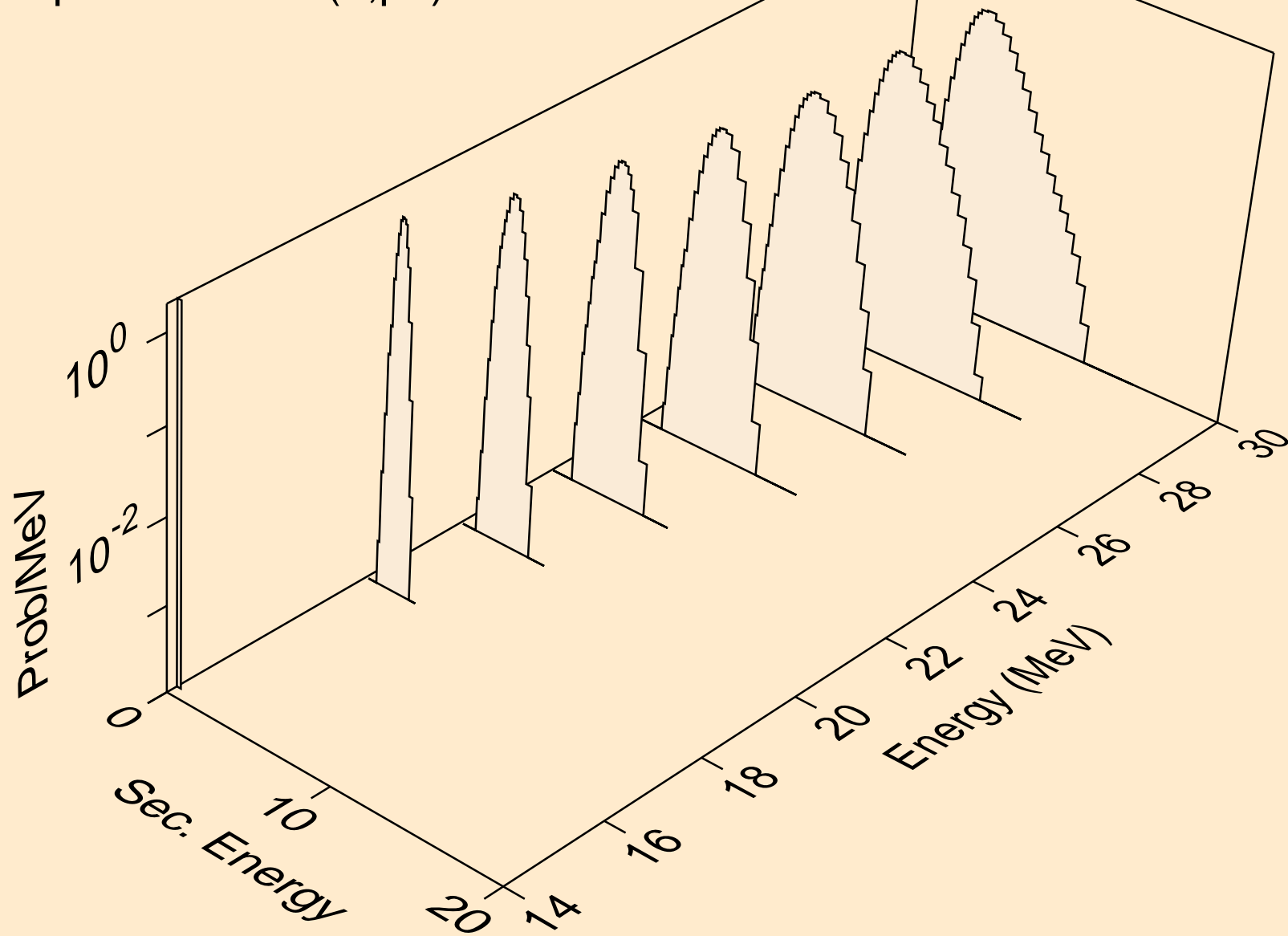




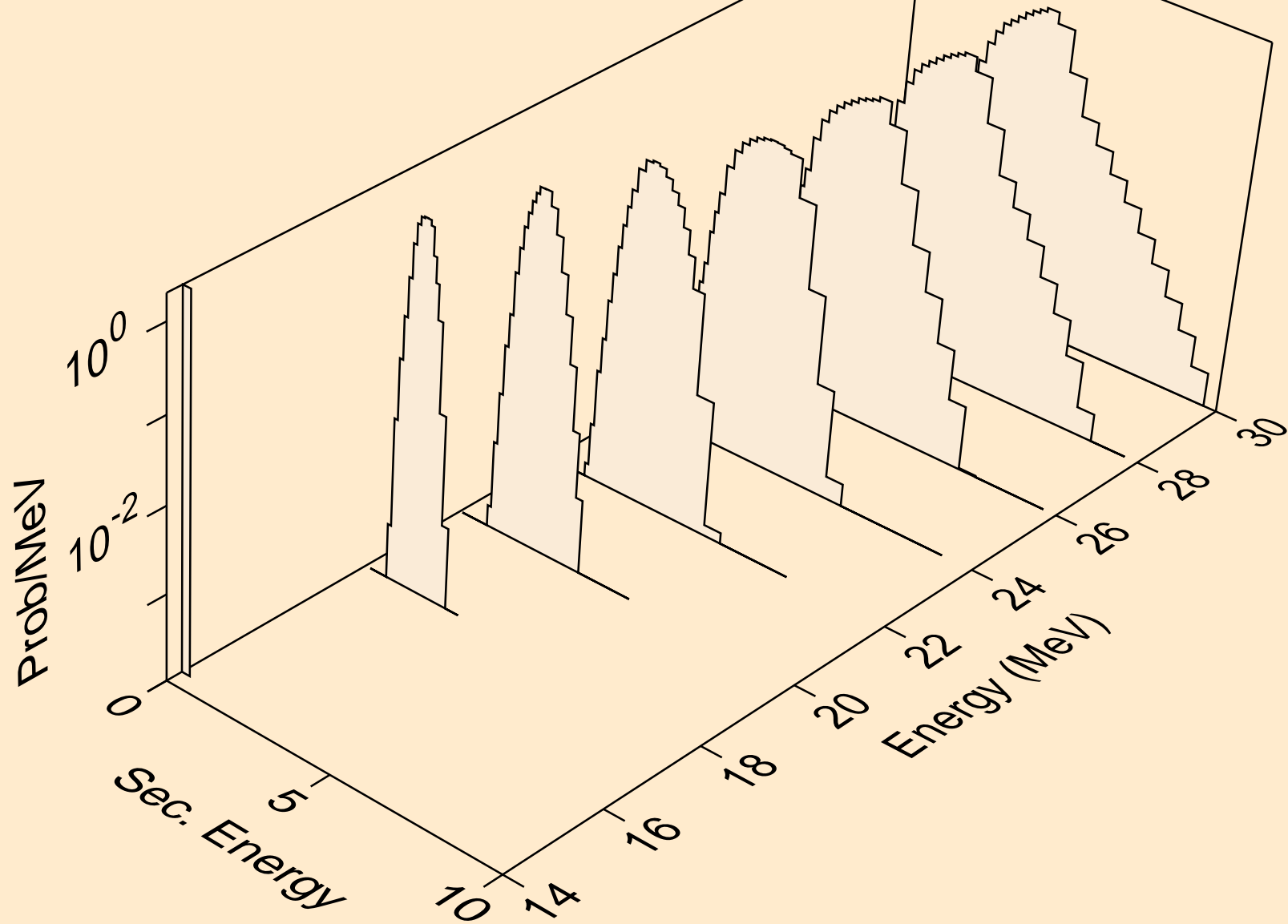
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protons from (n,p)



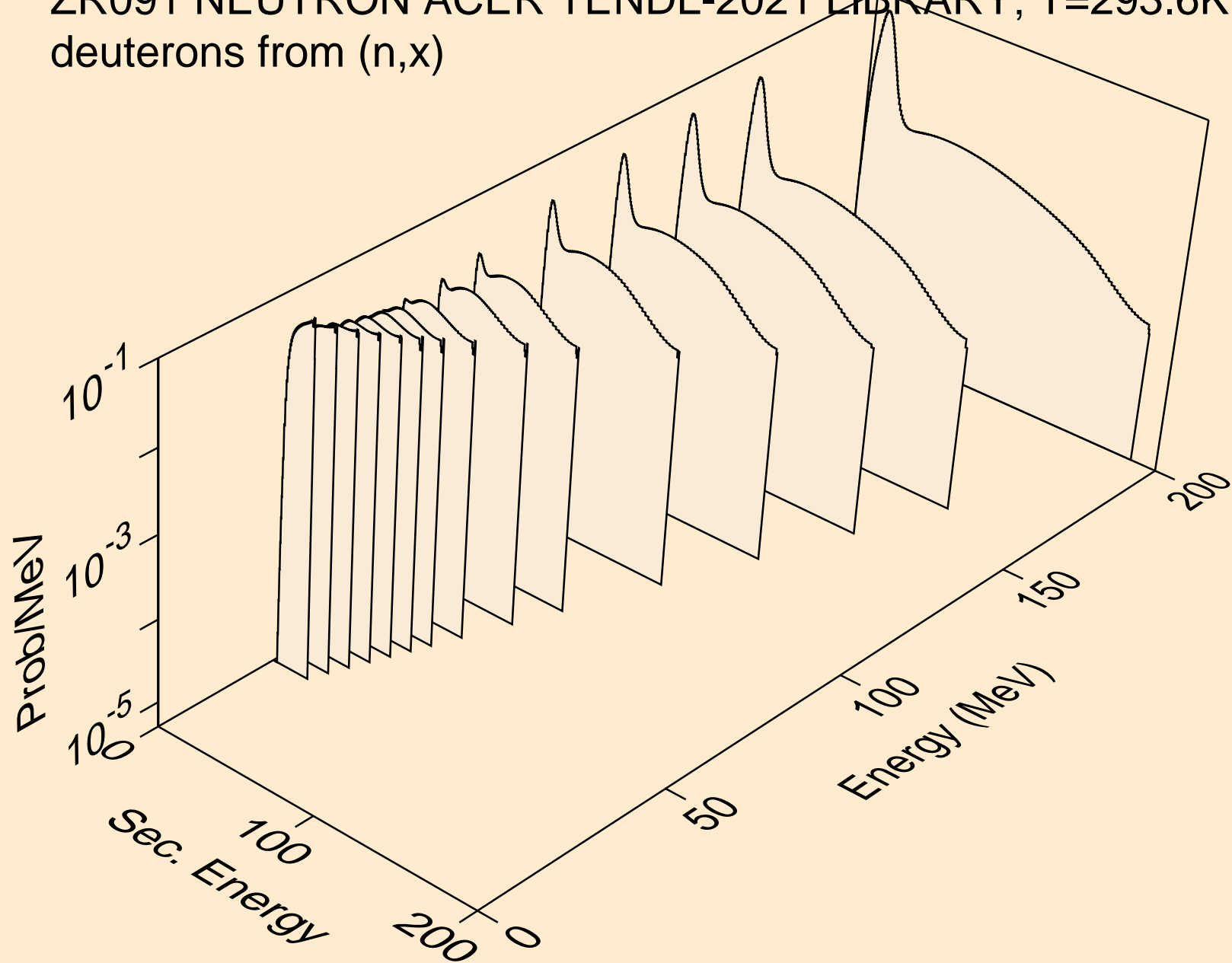
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protons from (n,pd)



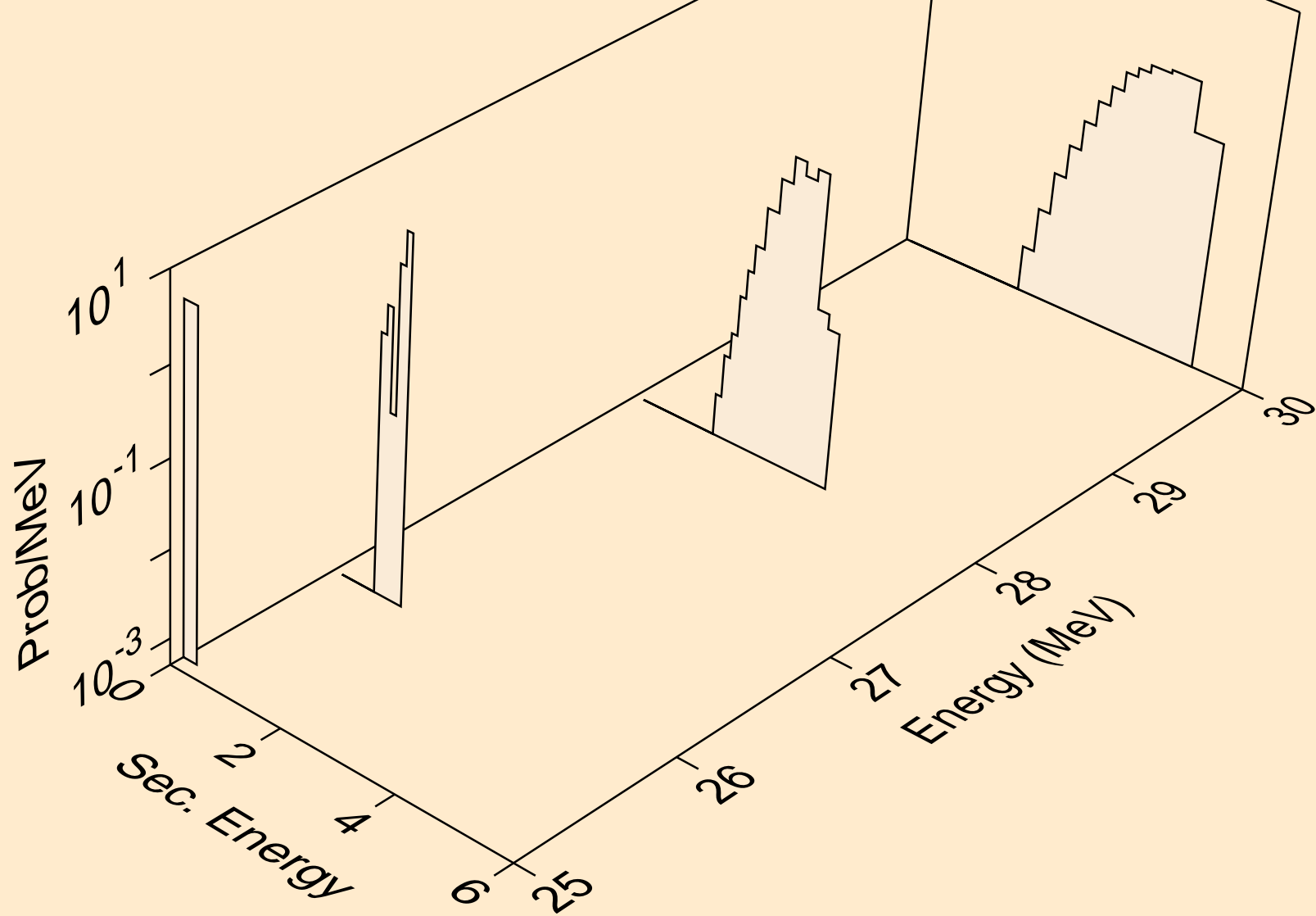
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protons from (n,pt)



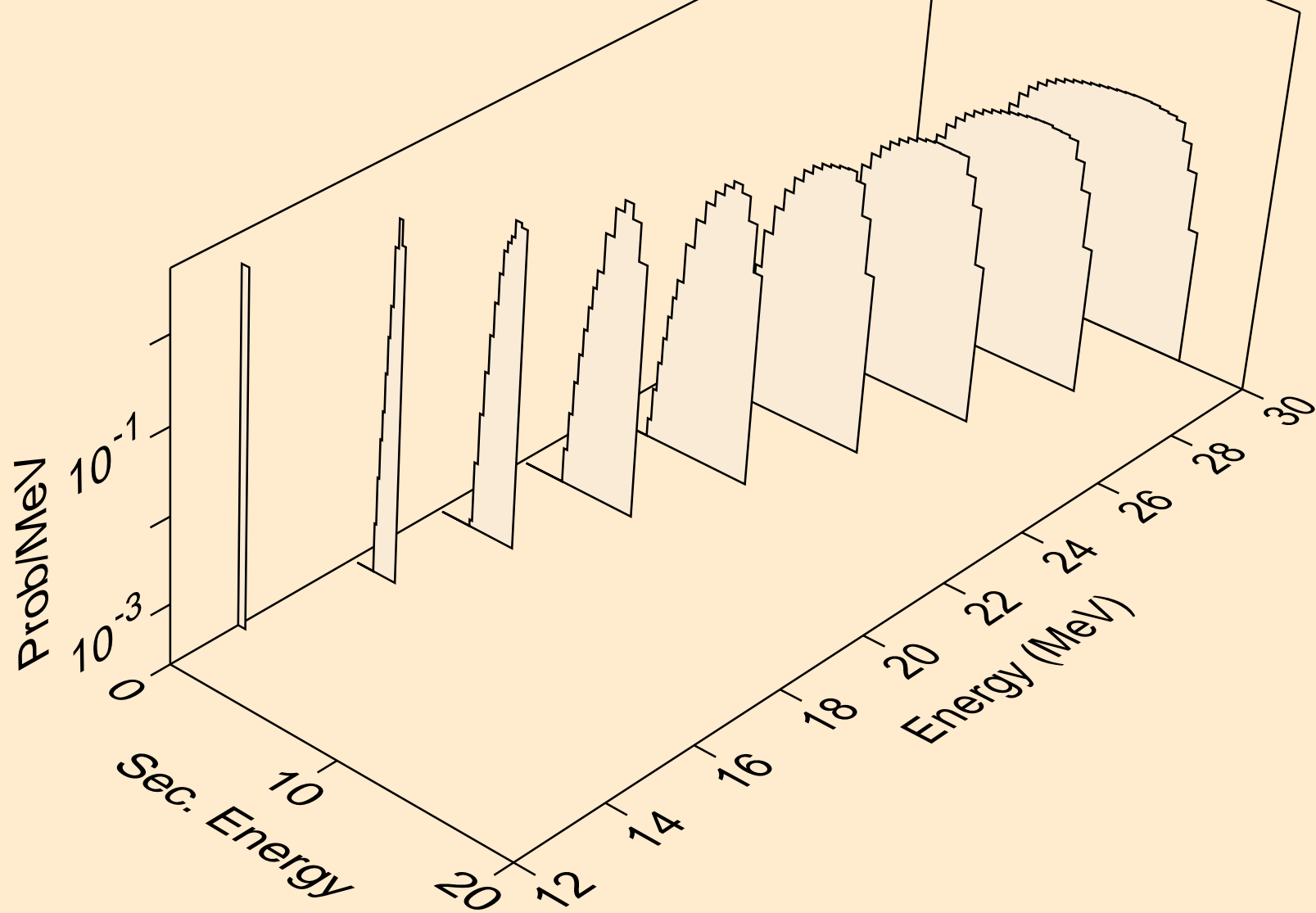
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deuterons from (n,x)



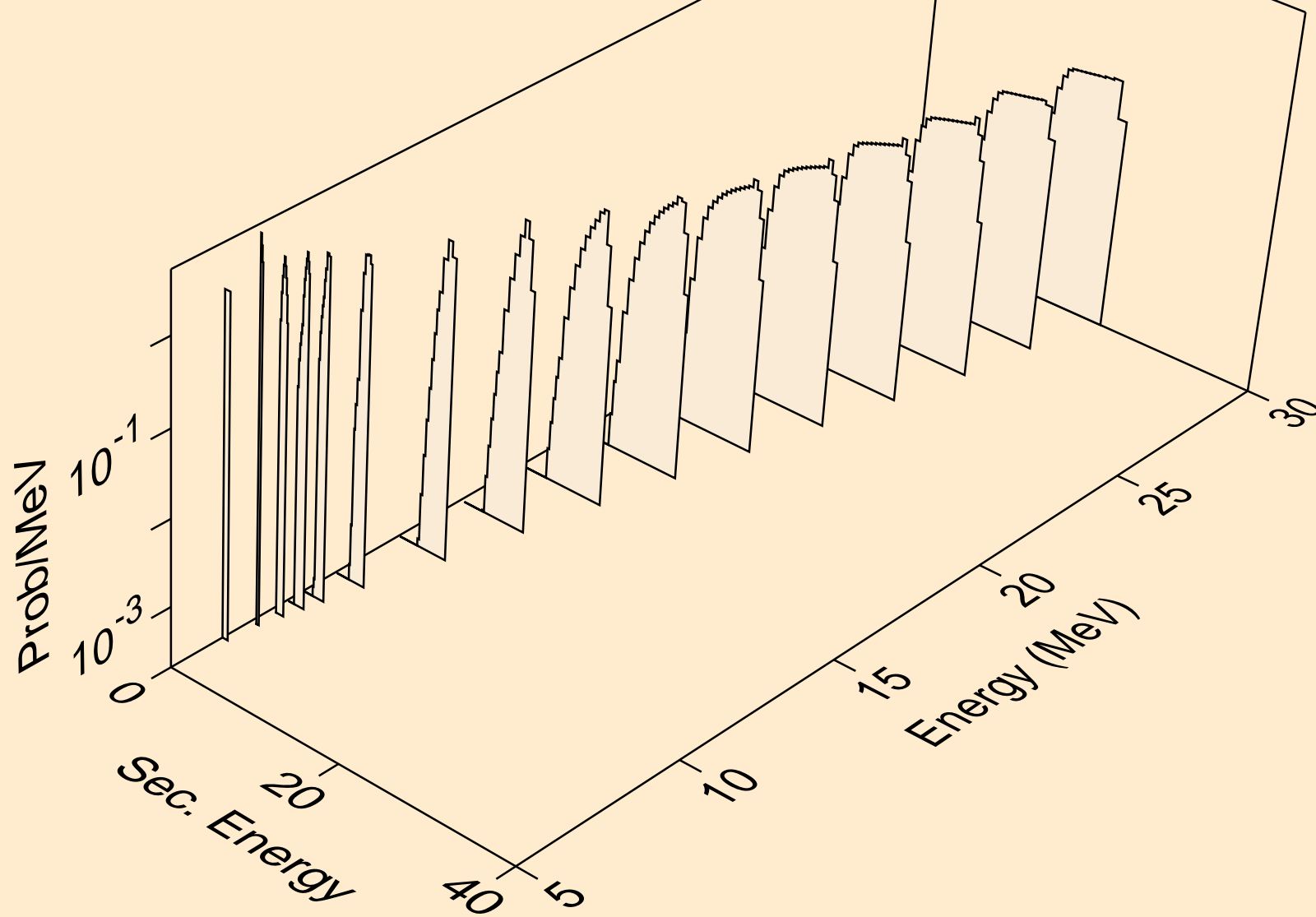
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deuterons from (n,2nd)



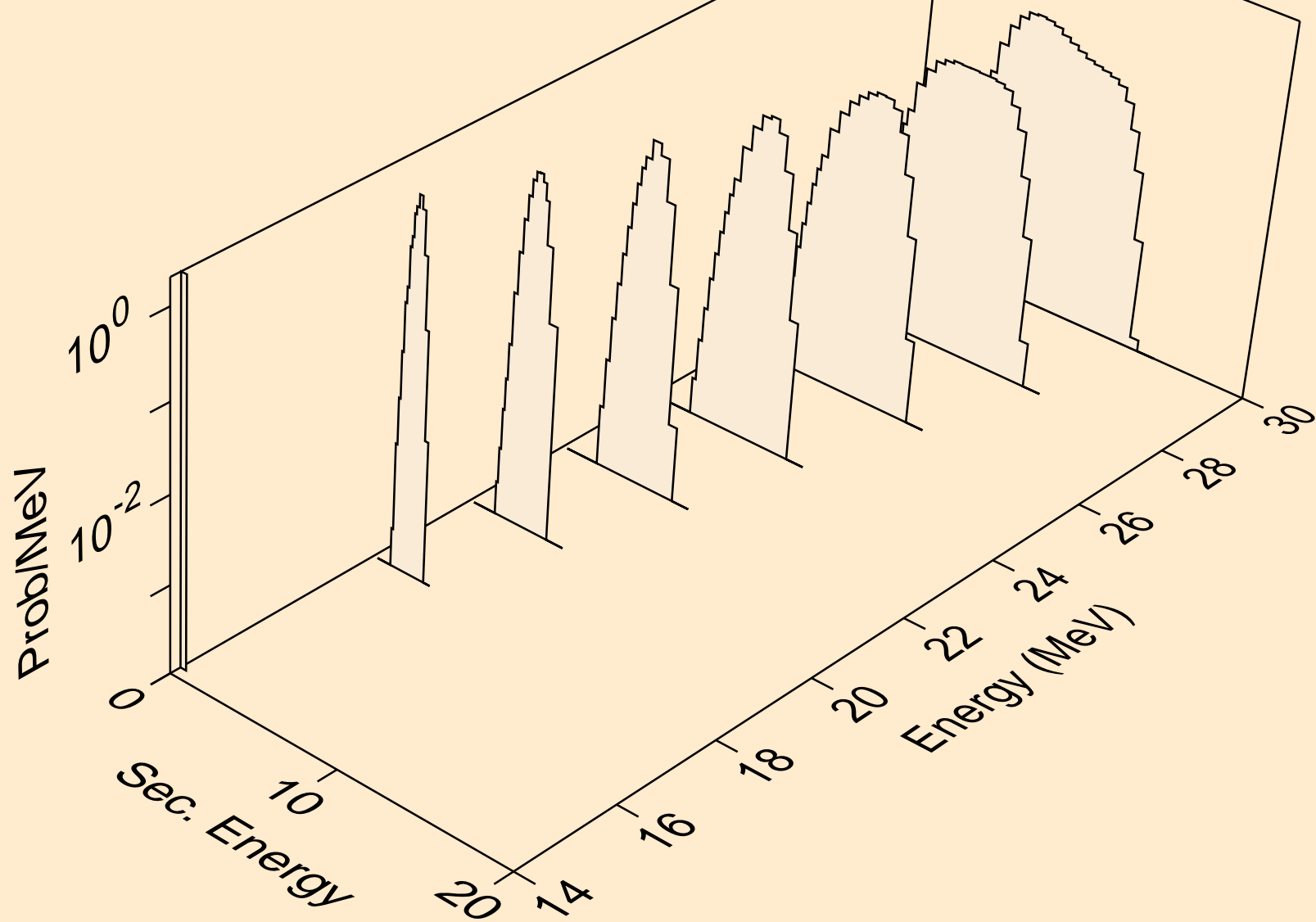
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deuterons from (n,n\*)d



ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,d)

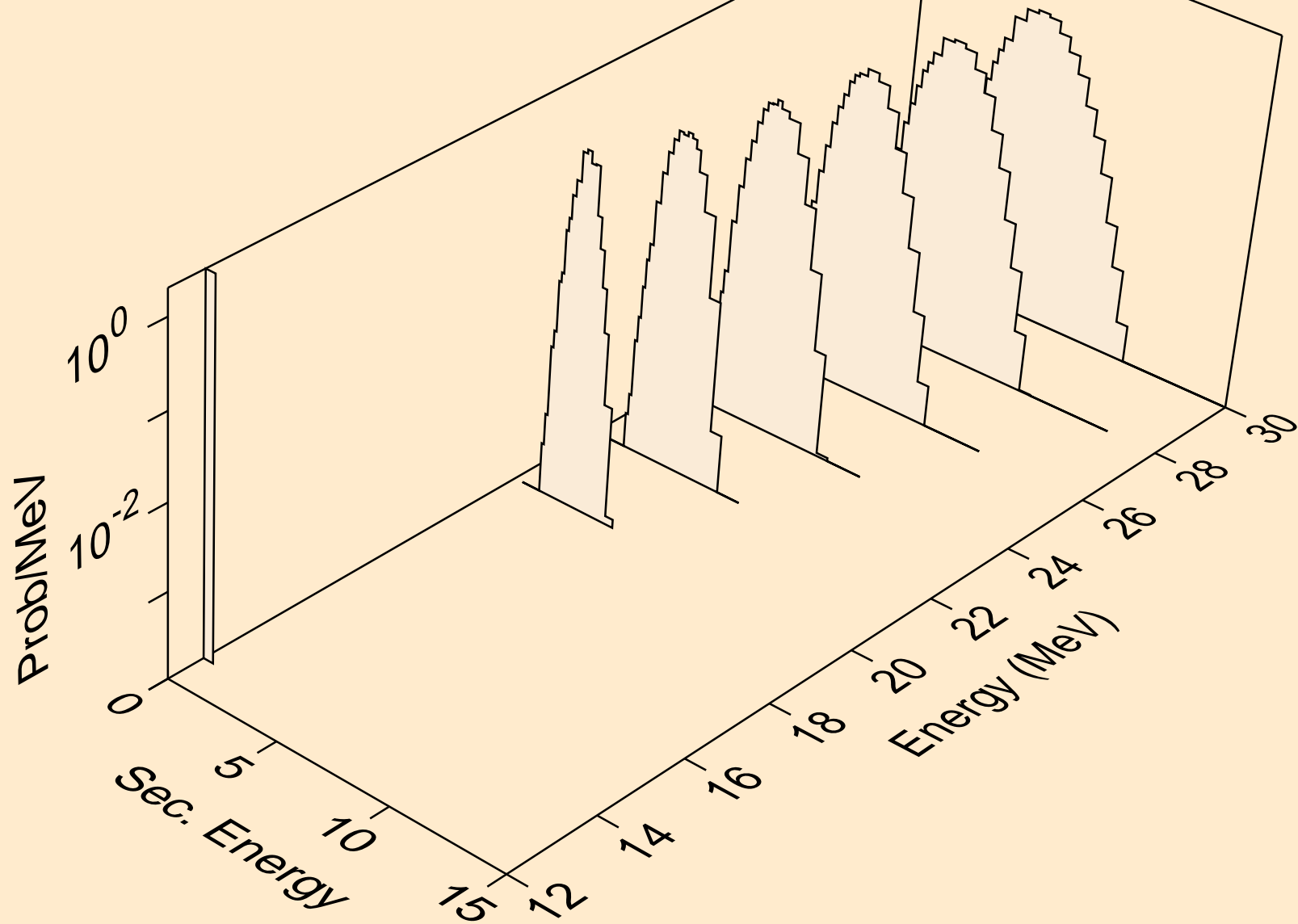


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deuterons from (n,pd)

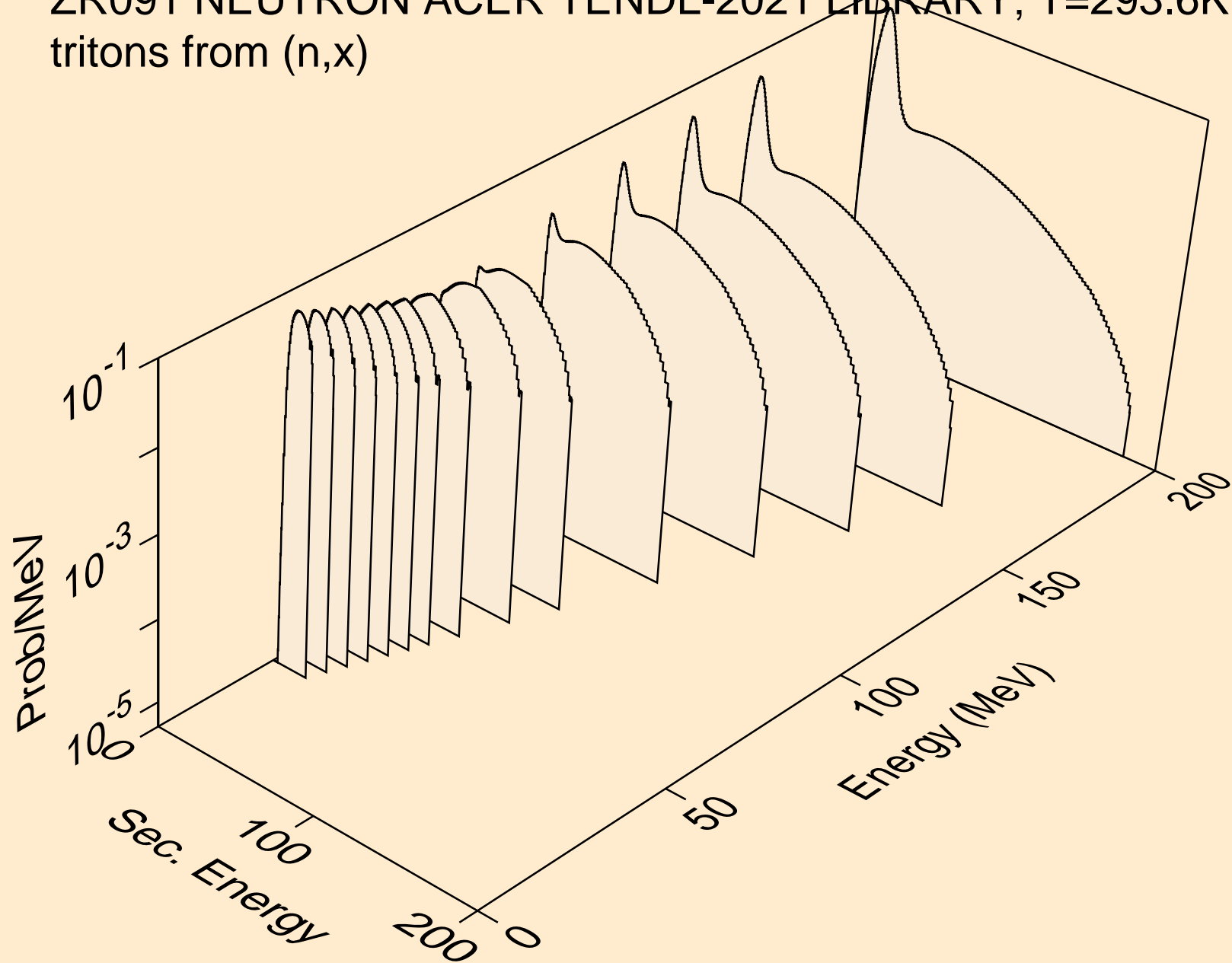




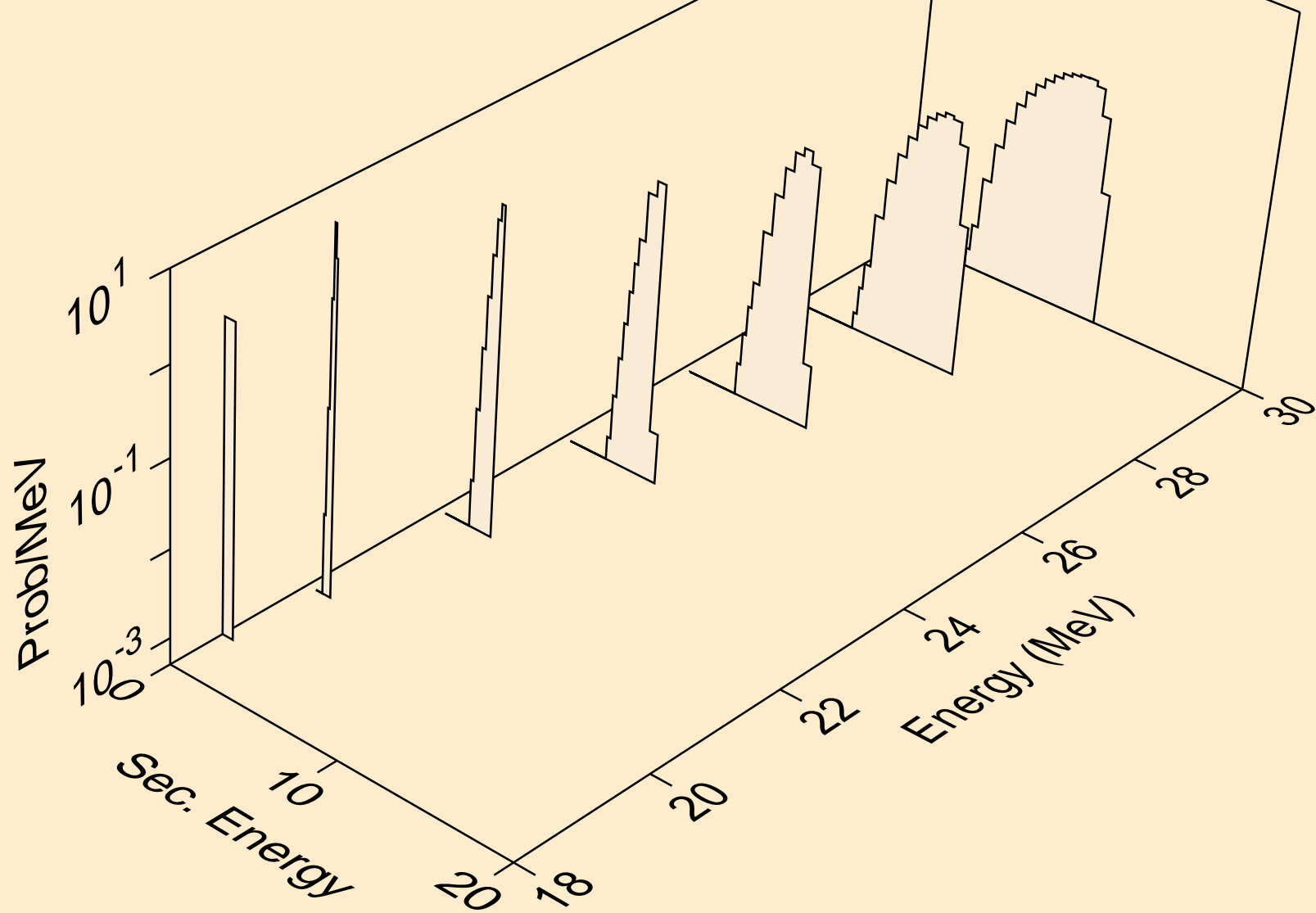
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deuterons from (n,da)



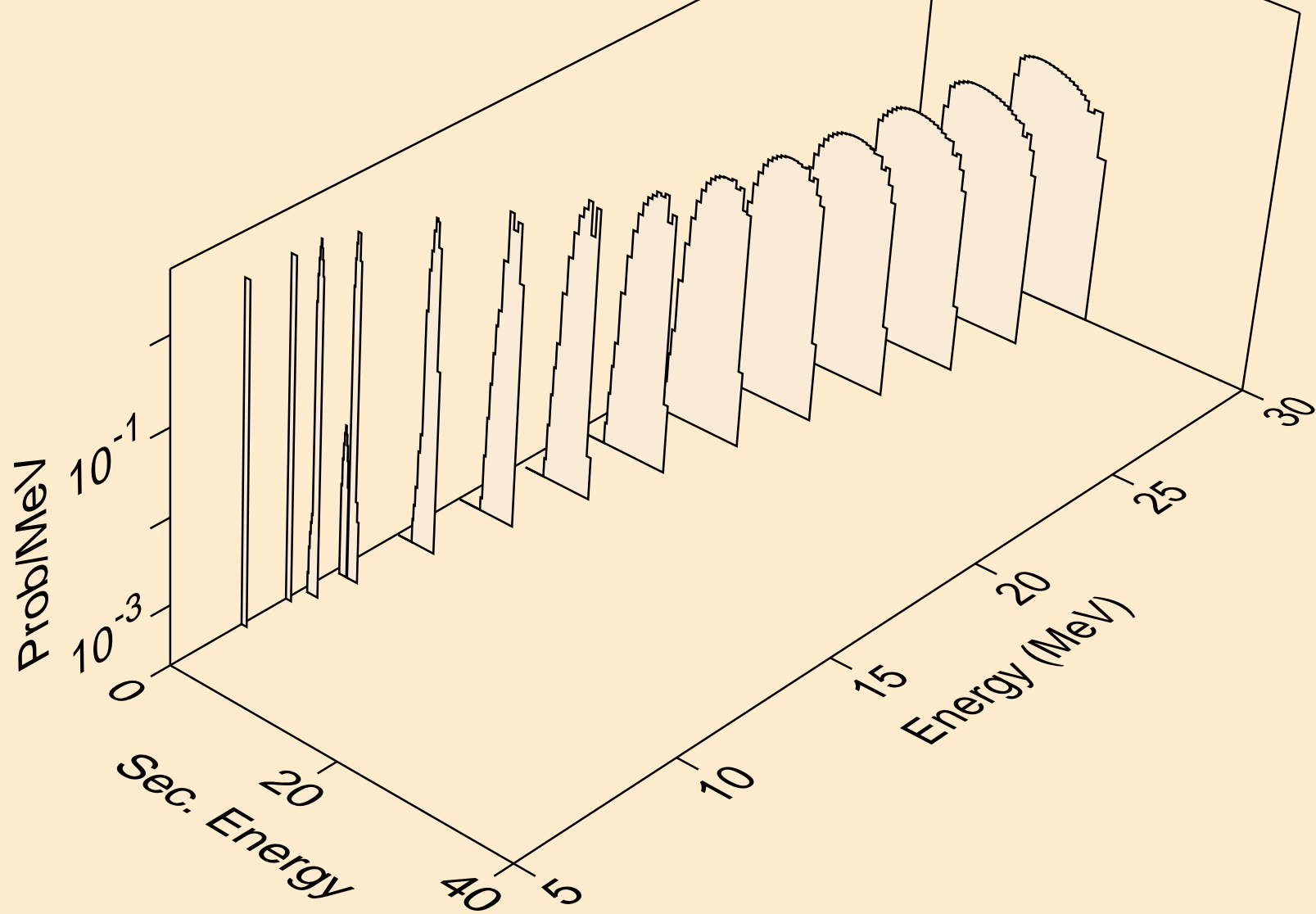
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tritons from (n,x)



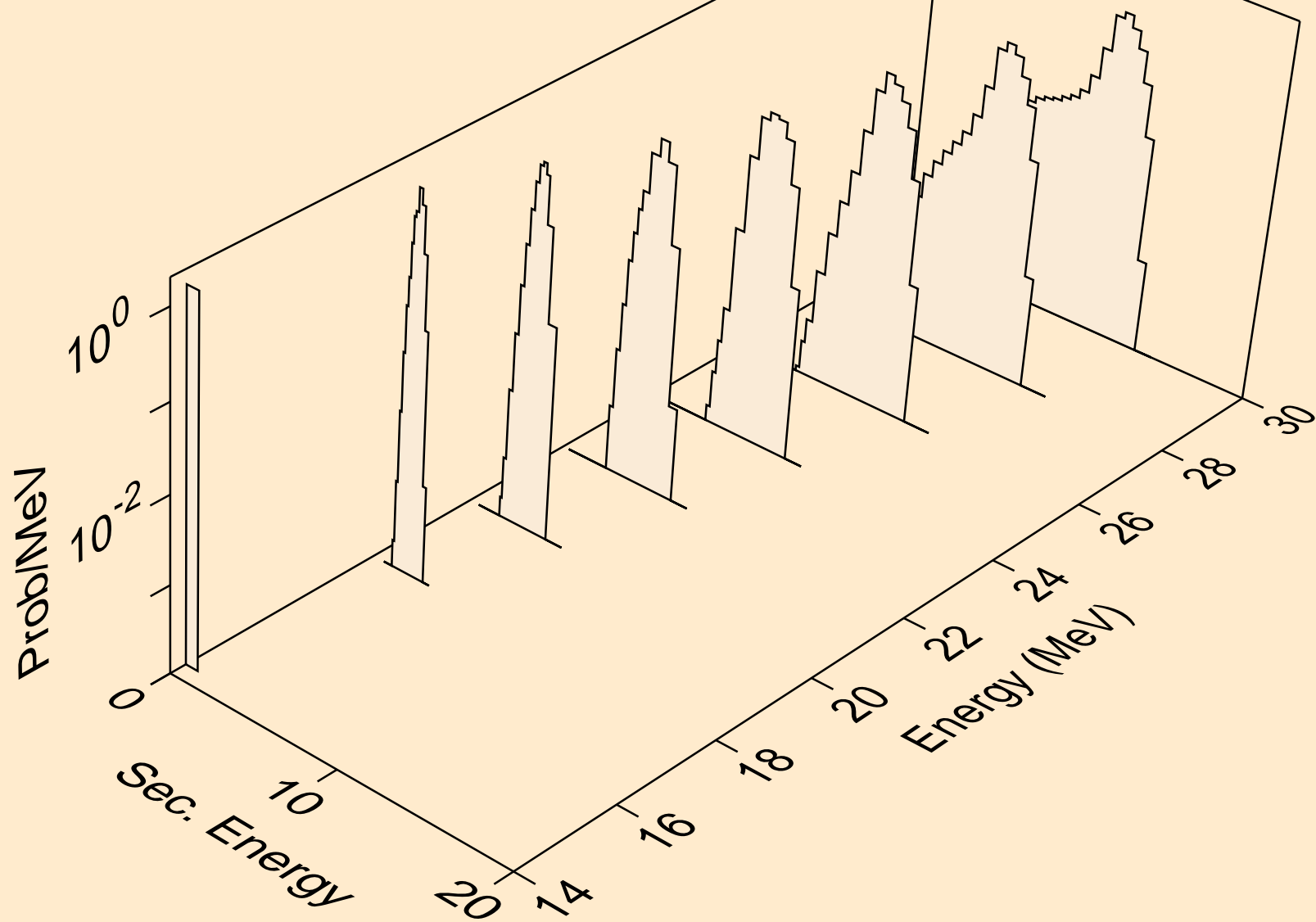
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tritons from (n,n\*)t



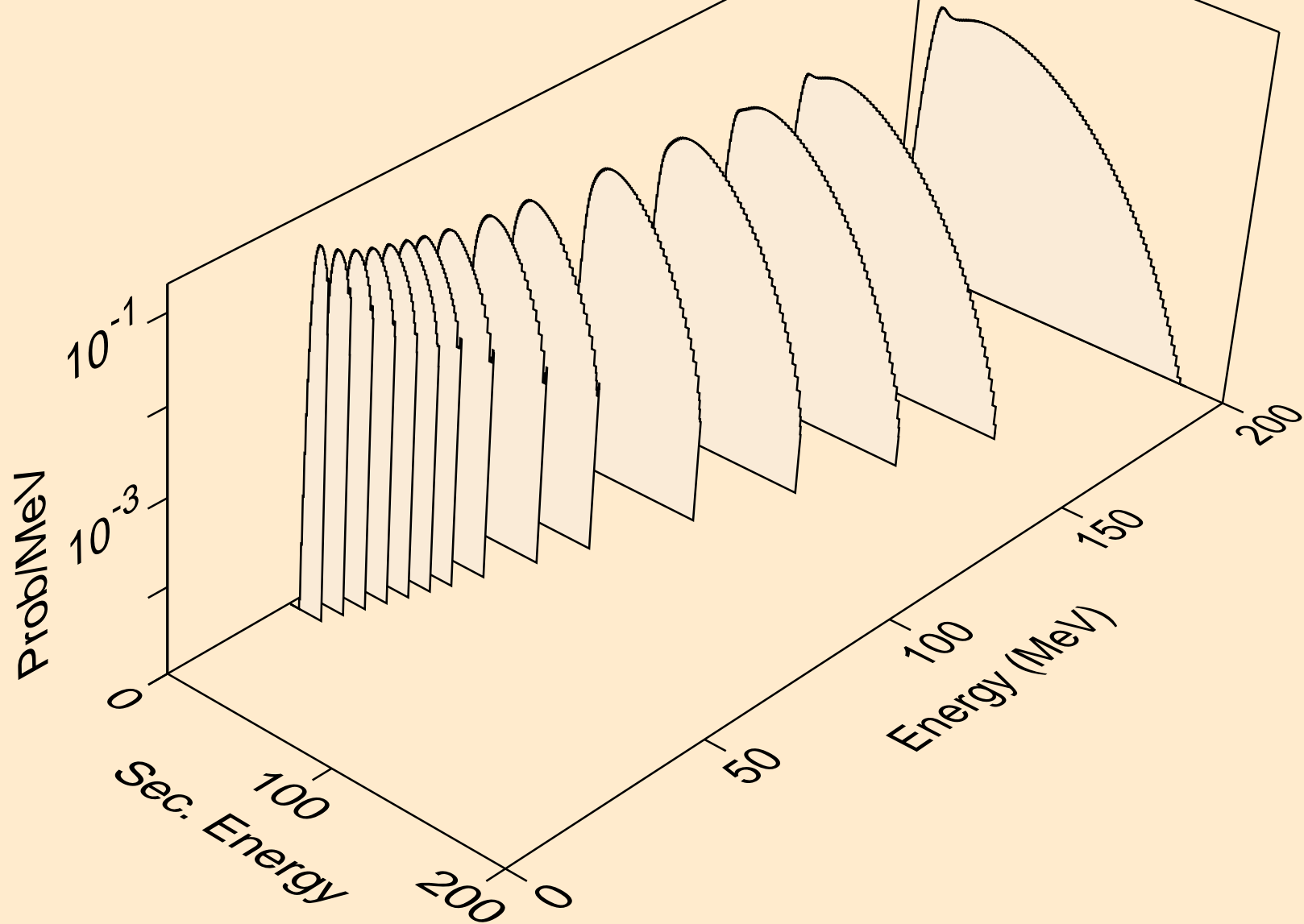
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,t)



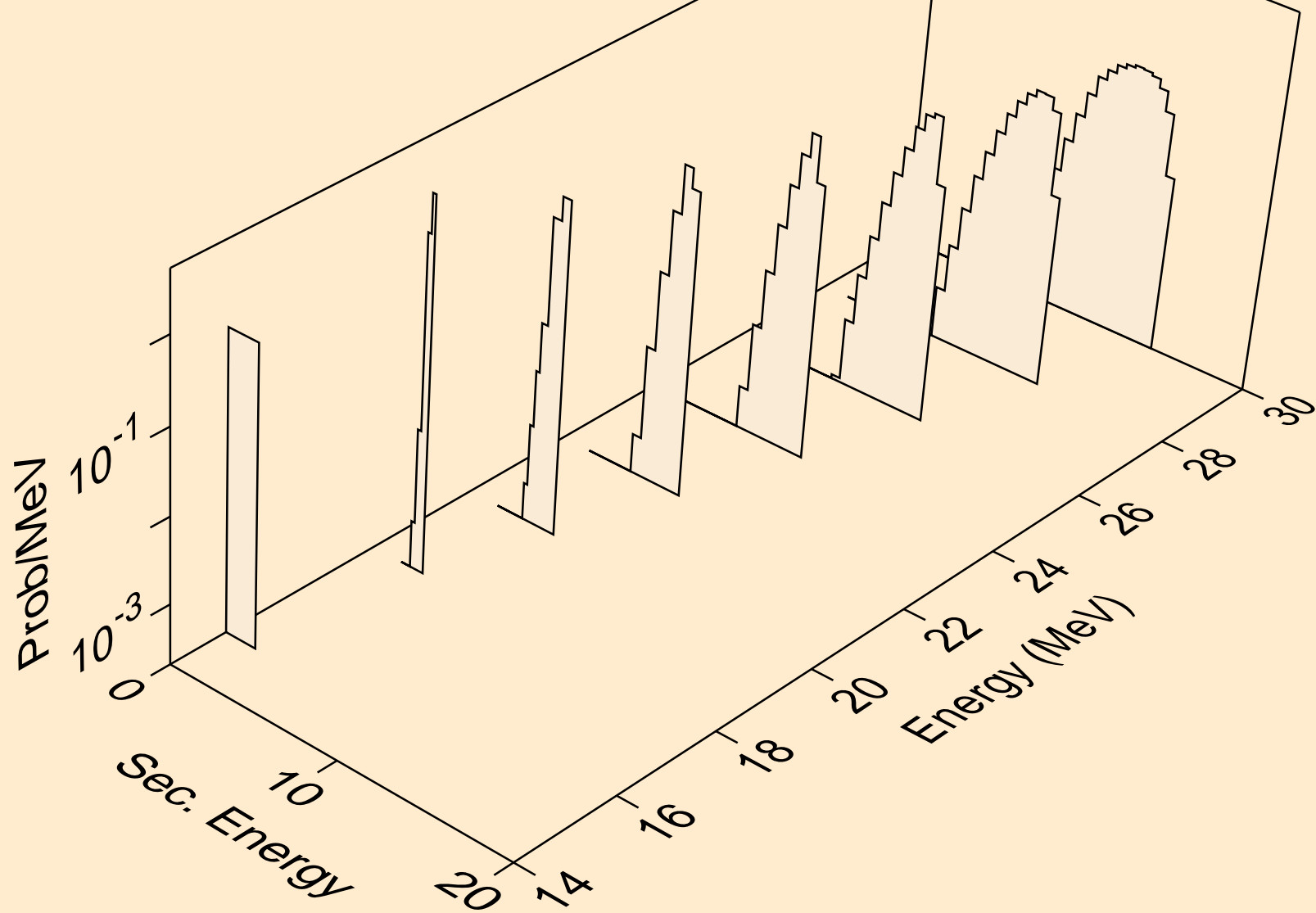
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tritons from (n,pt)



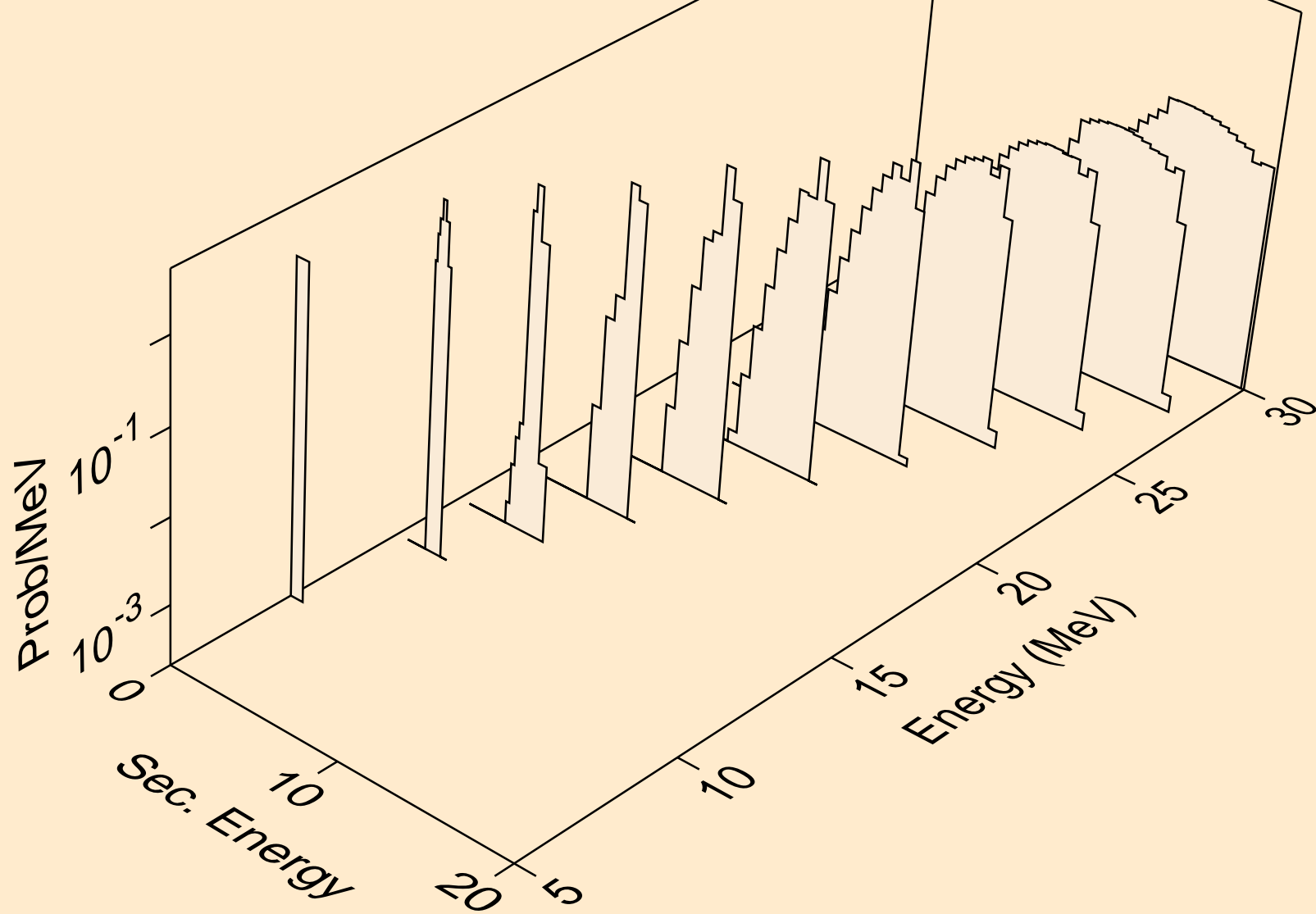
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)



ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,n\*)he3

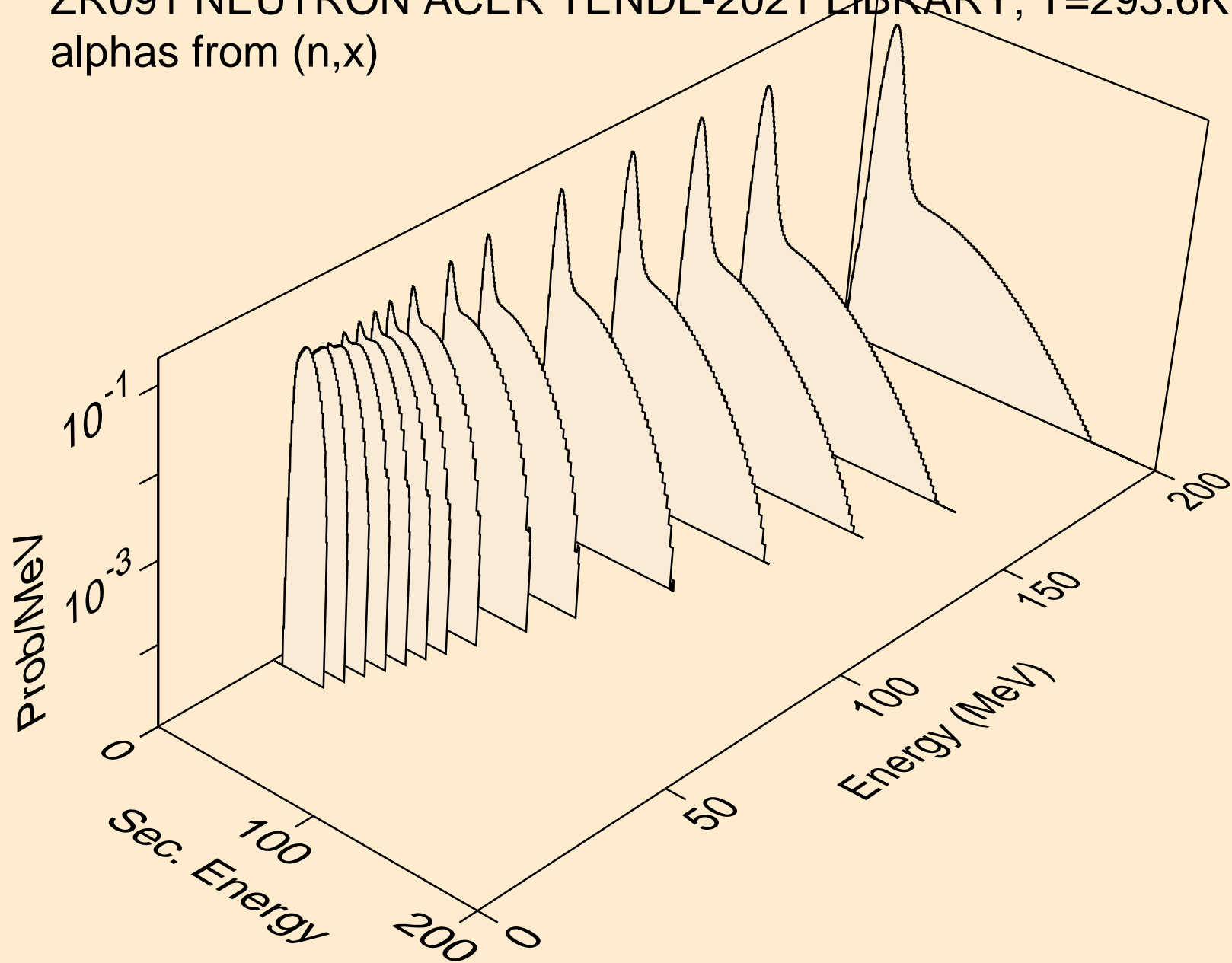


ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,he3)

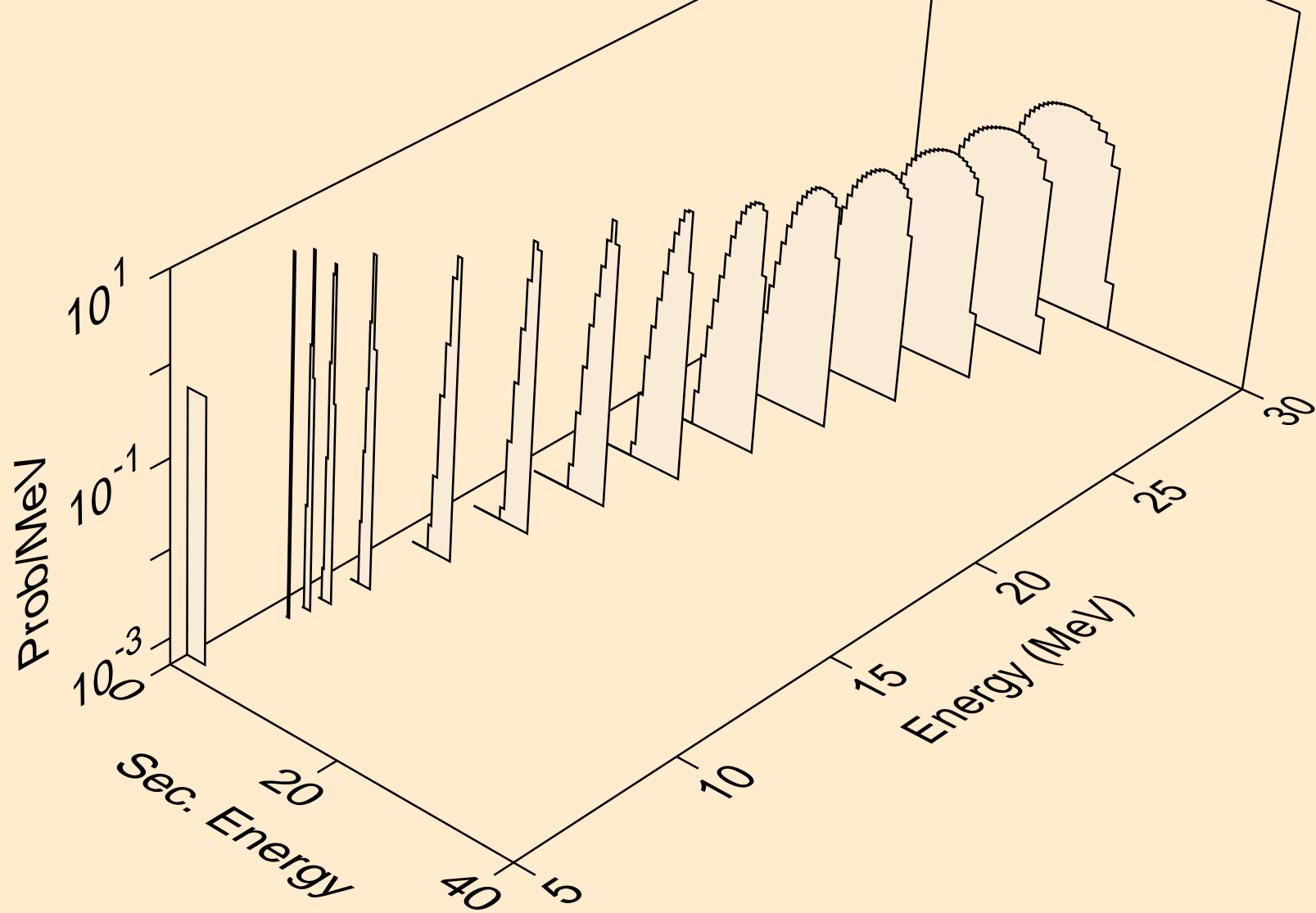




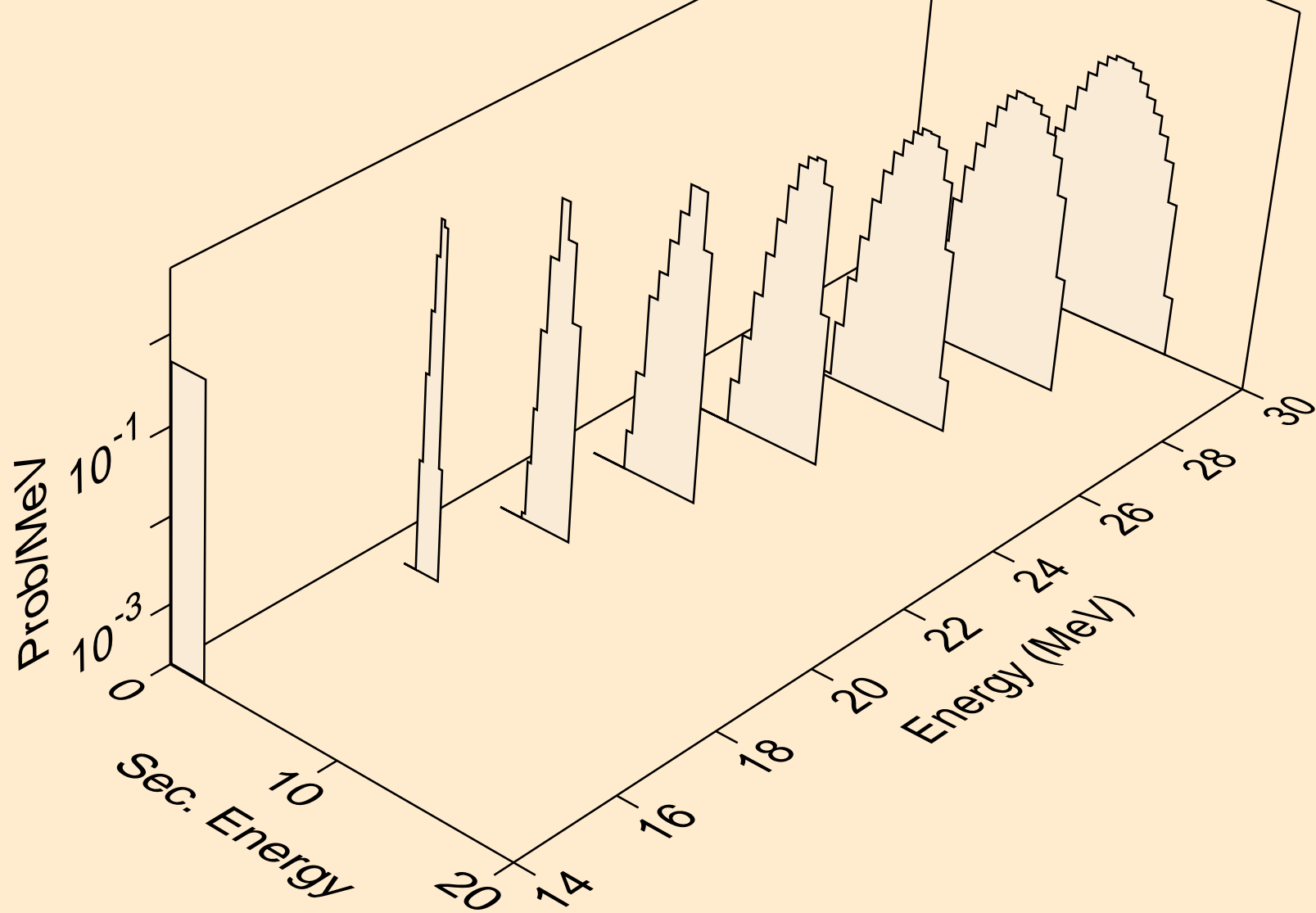
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



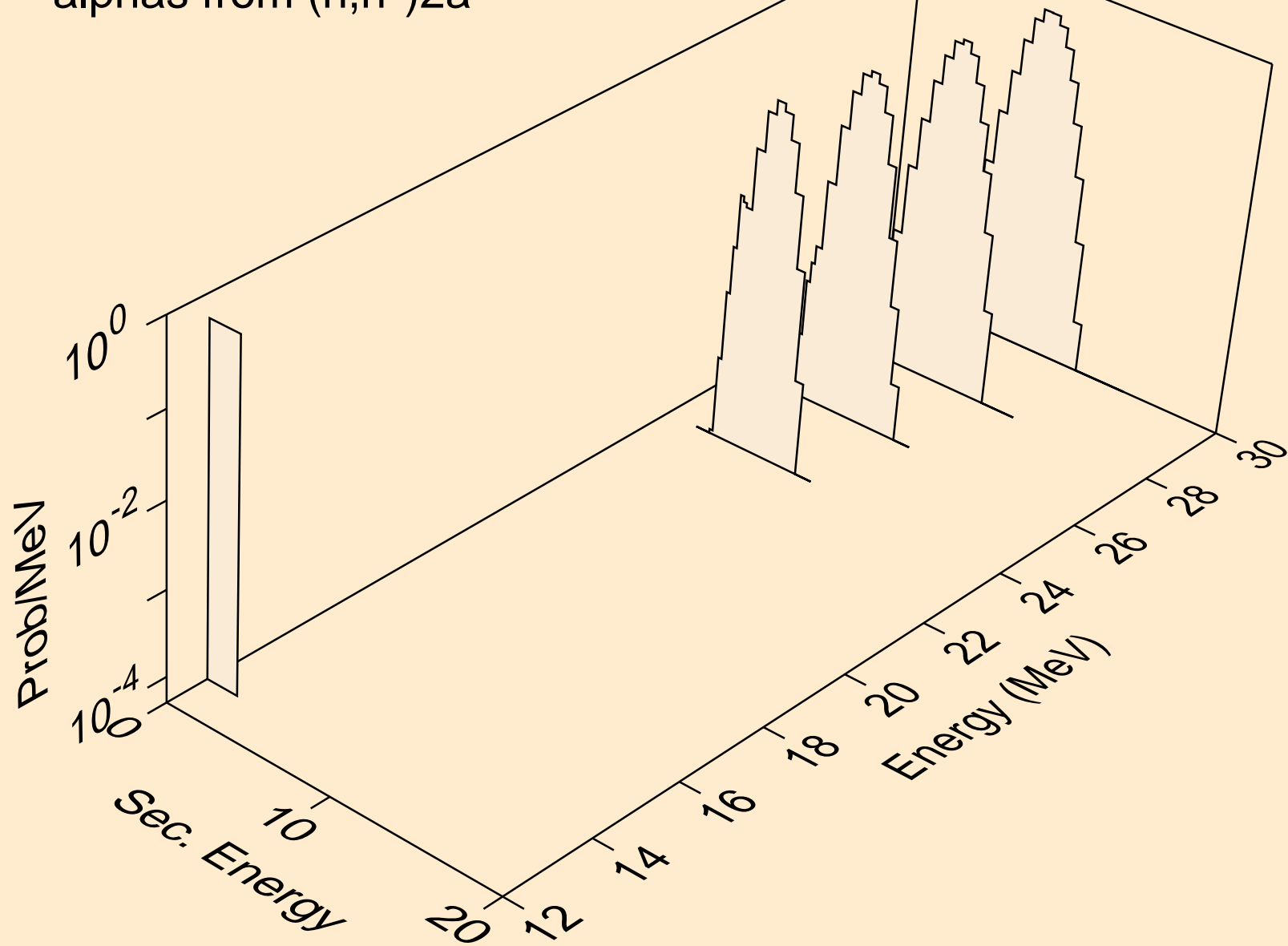
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



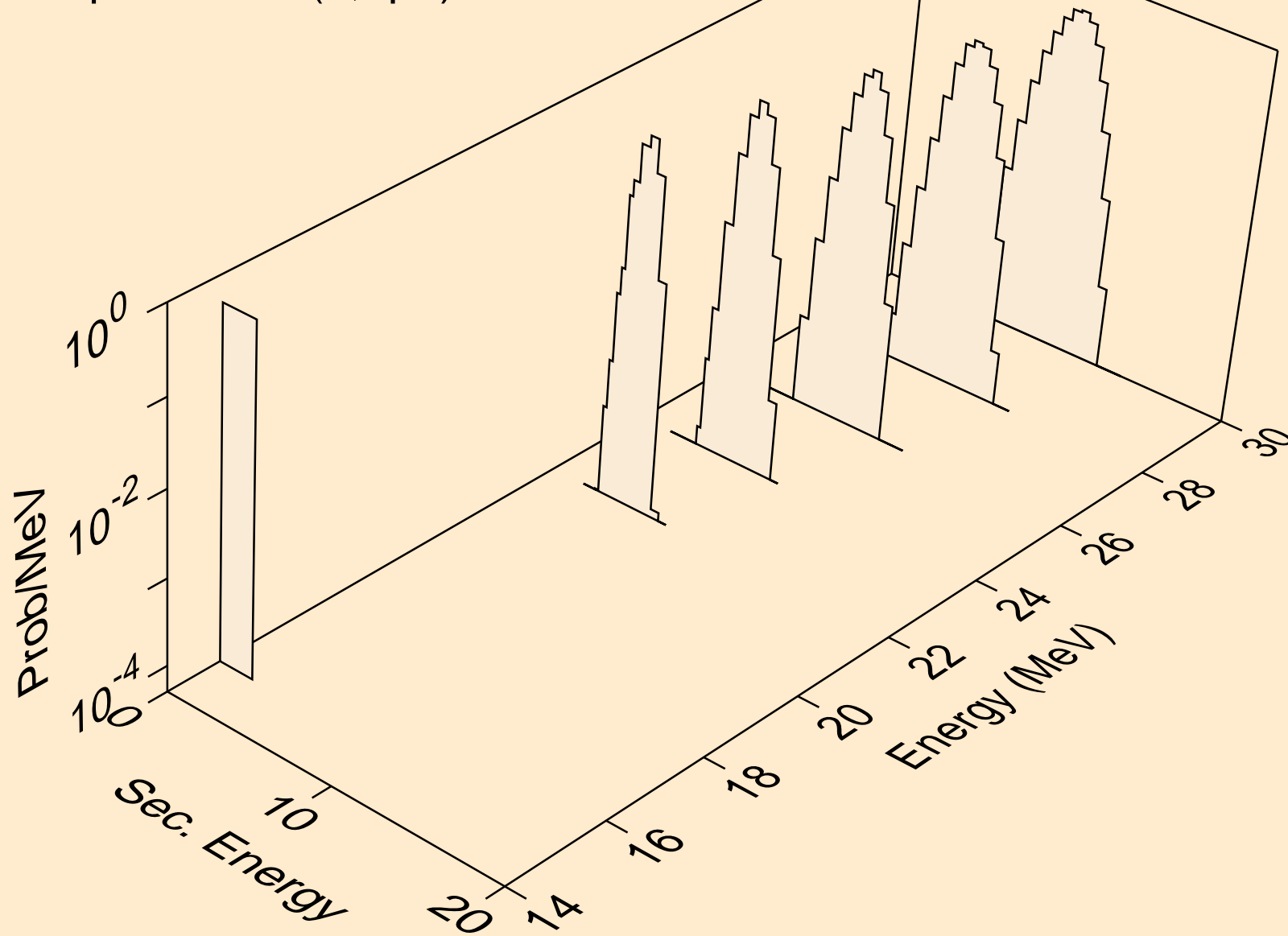
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a



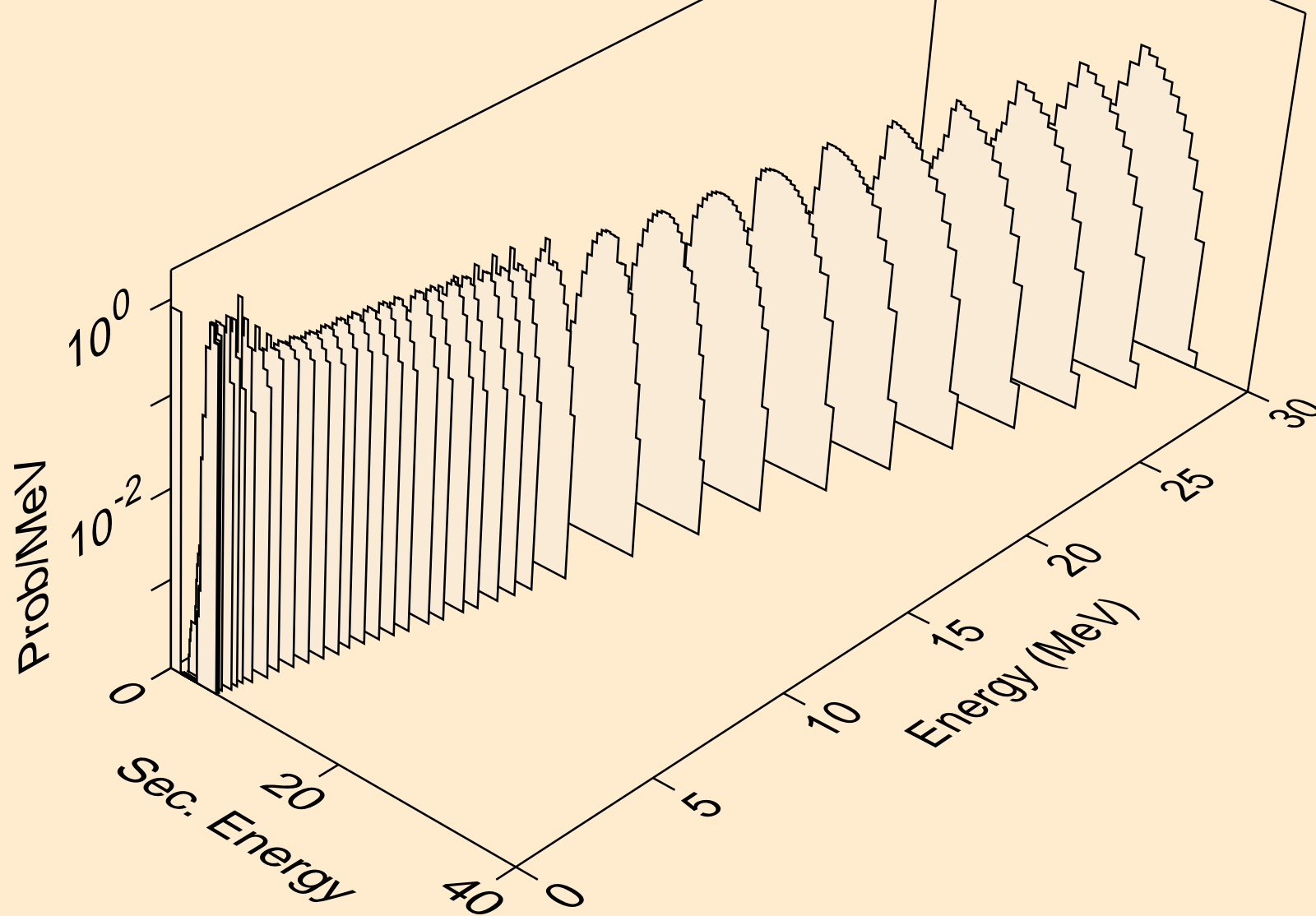
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



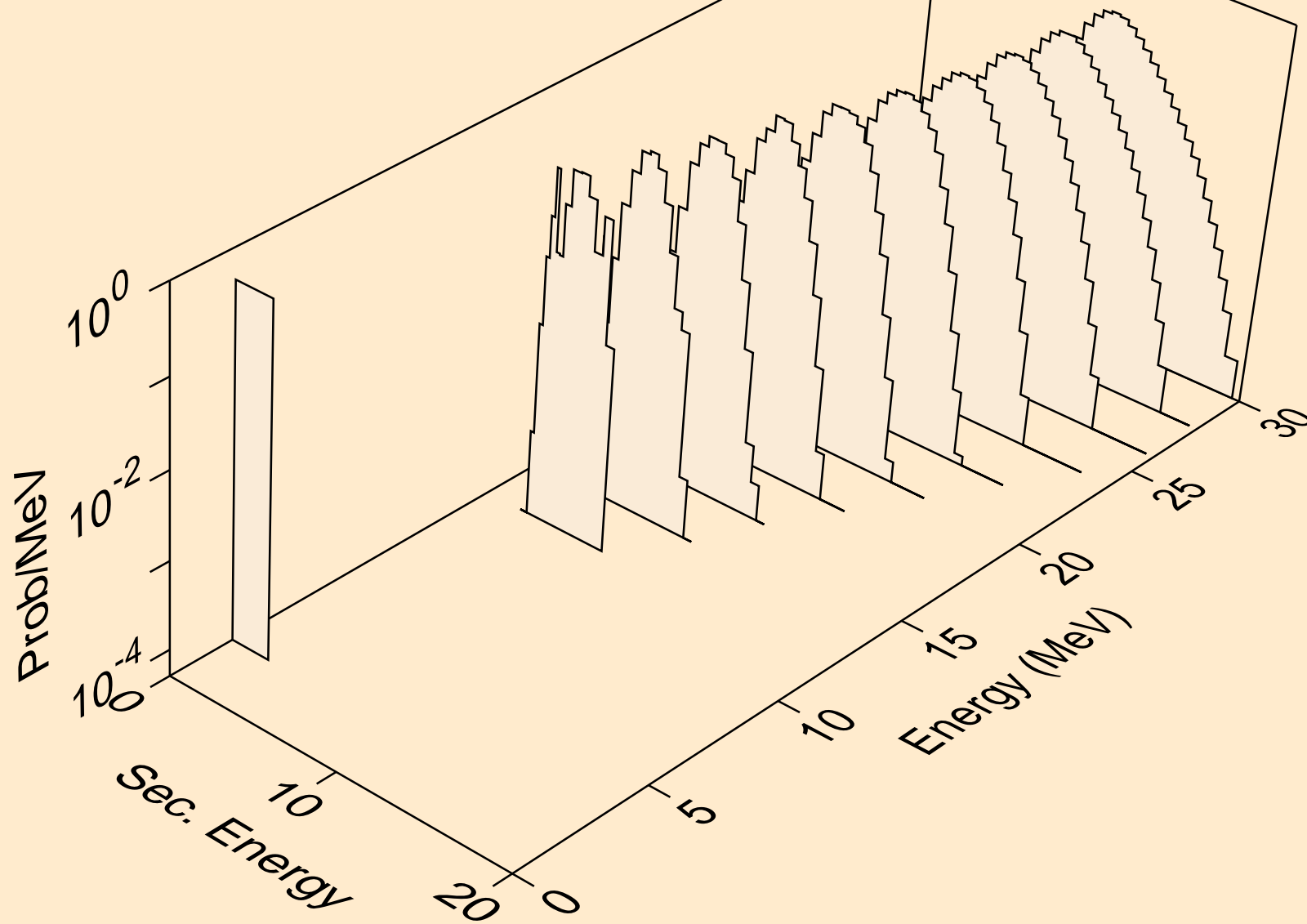
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)



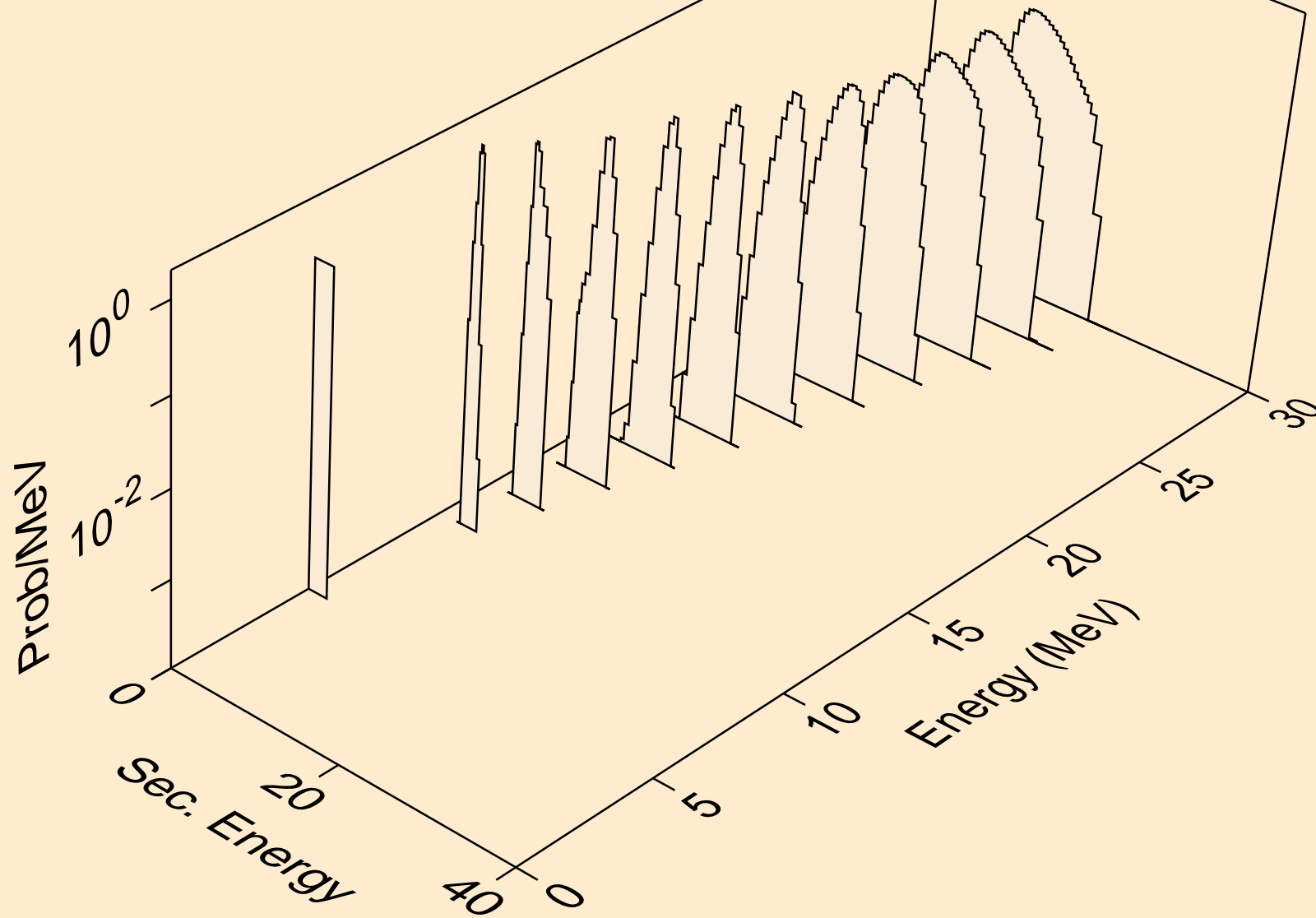
ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)



ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)





ZR091 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

