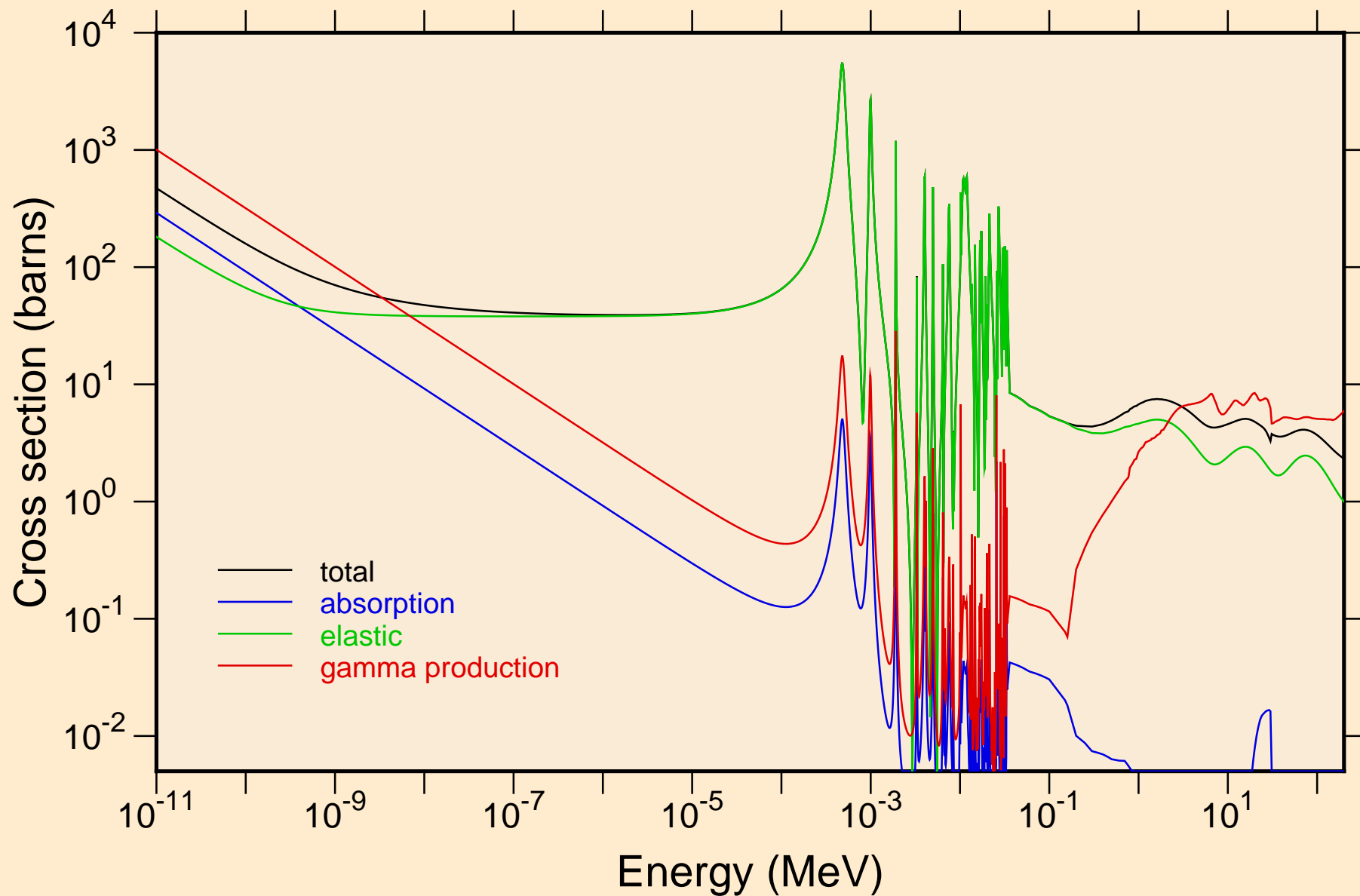
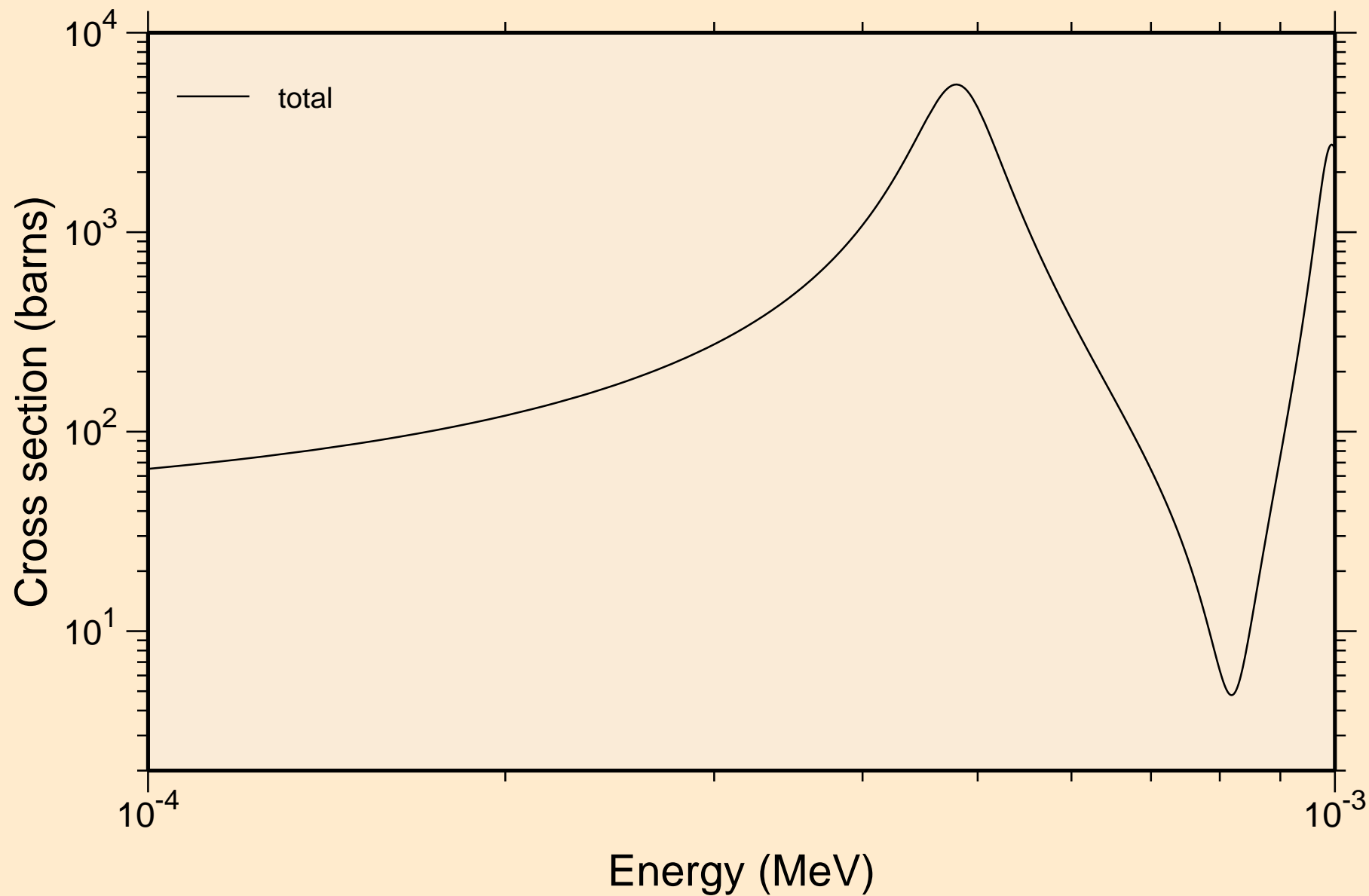


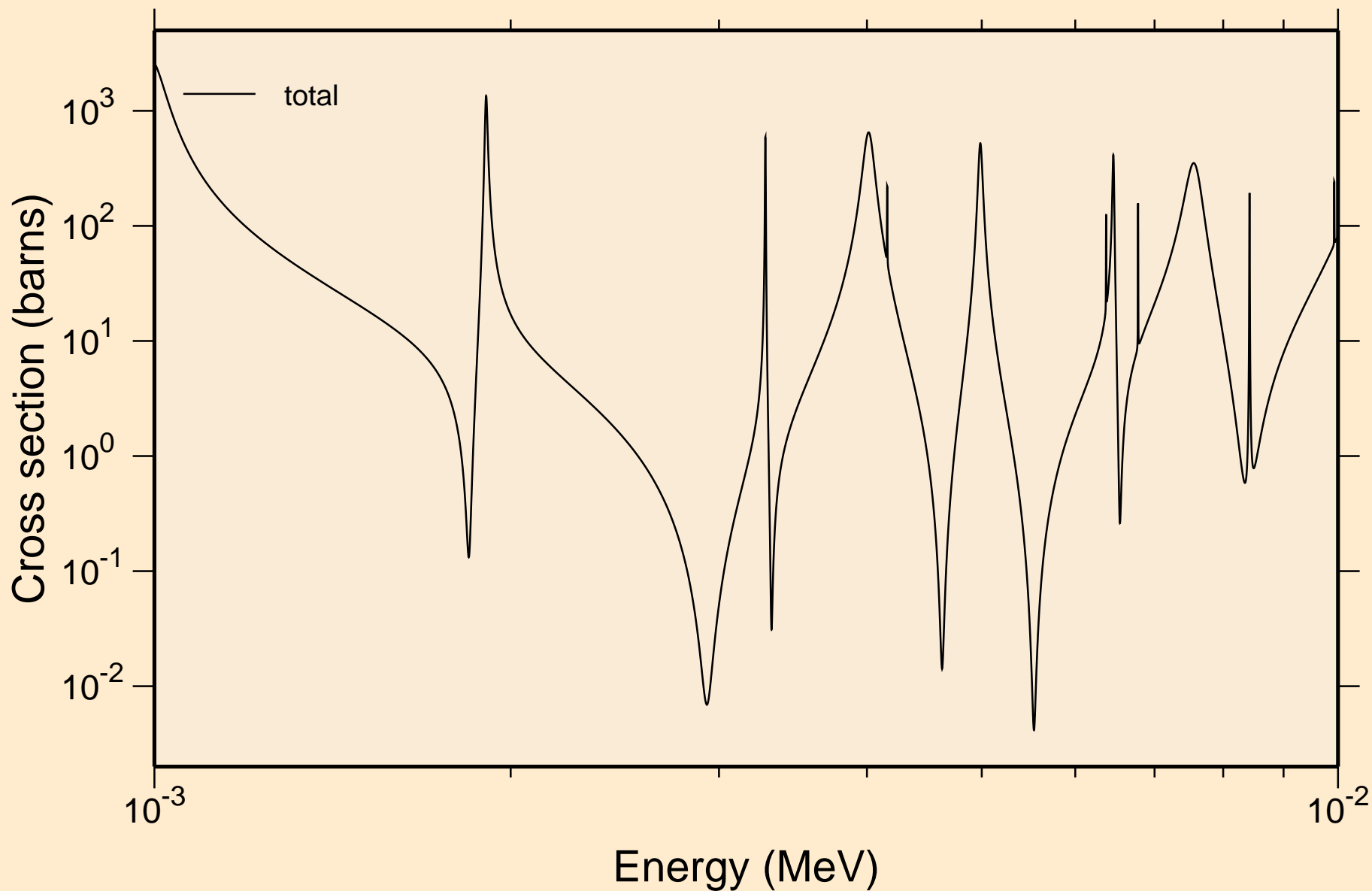
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



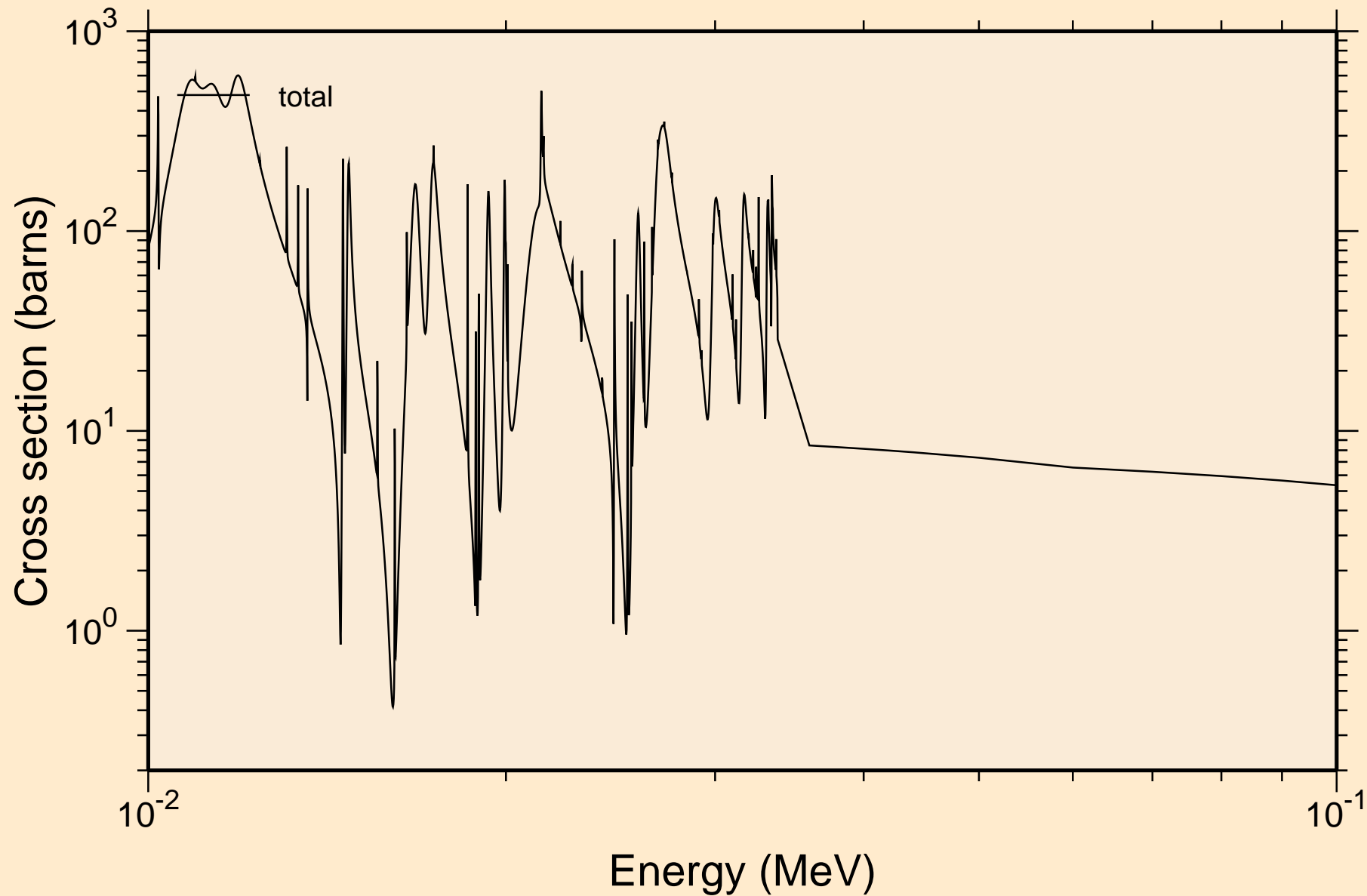
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



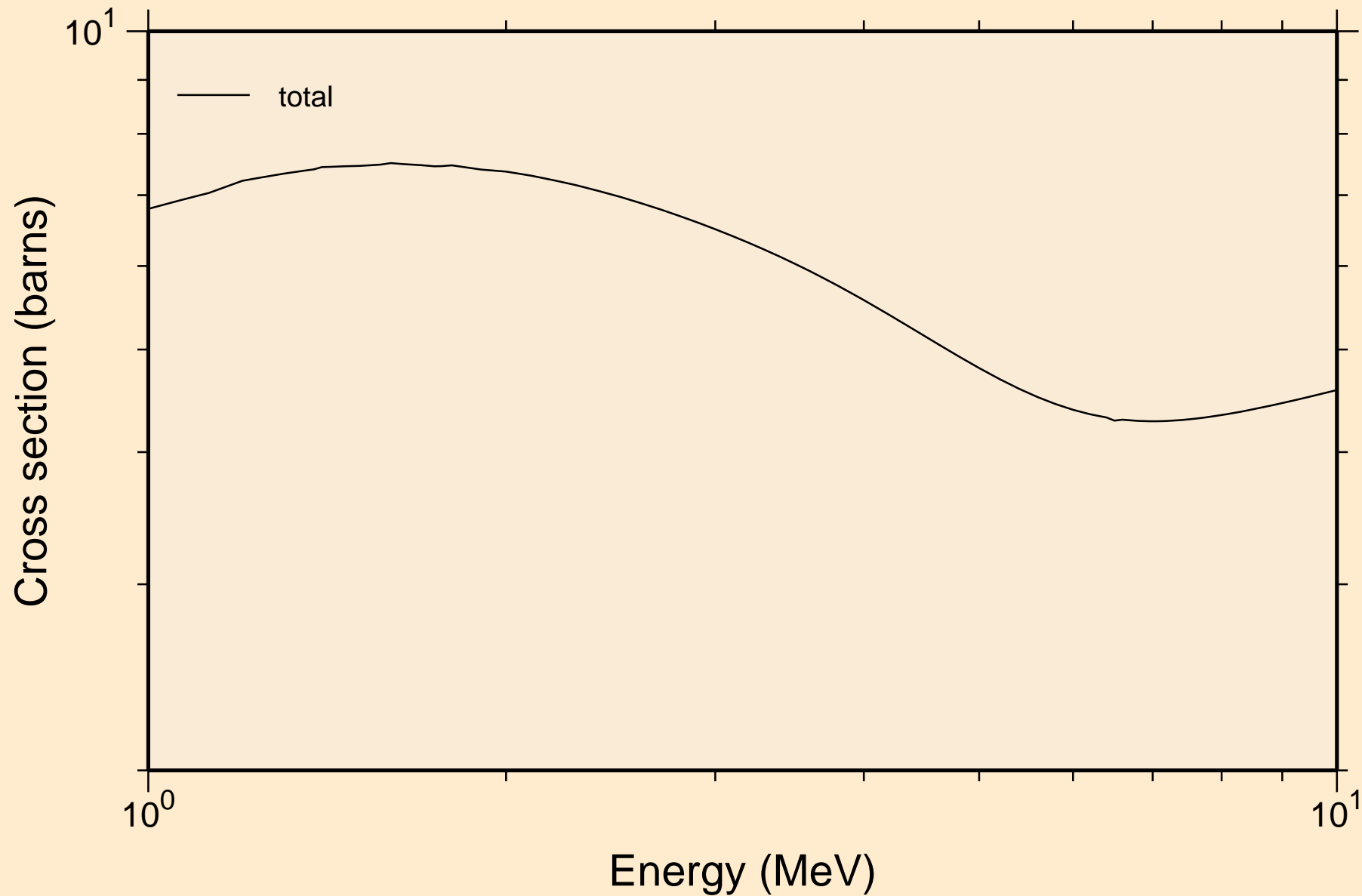
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



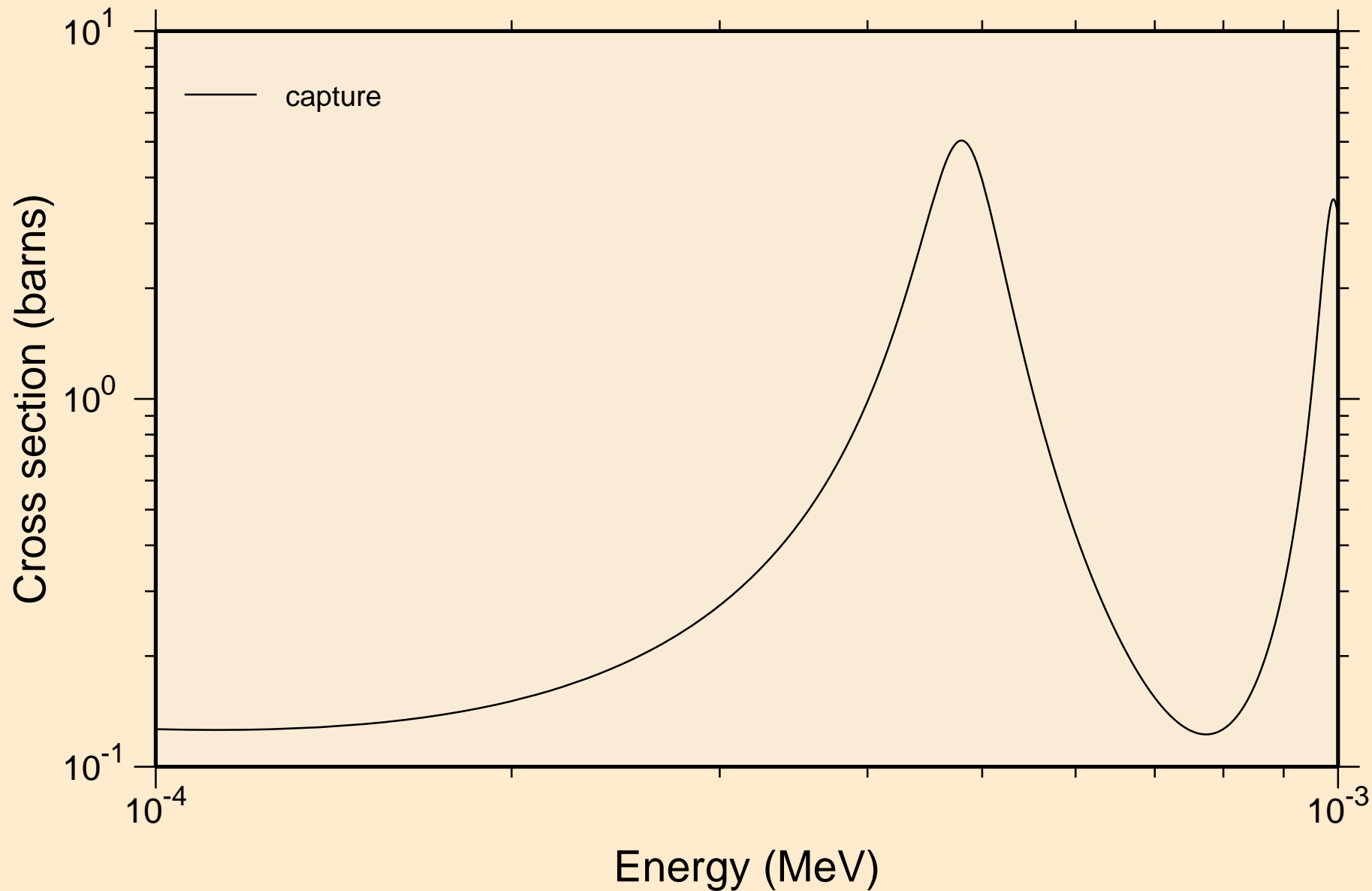
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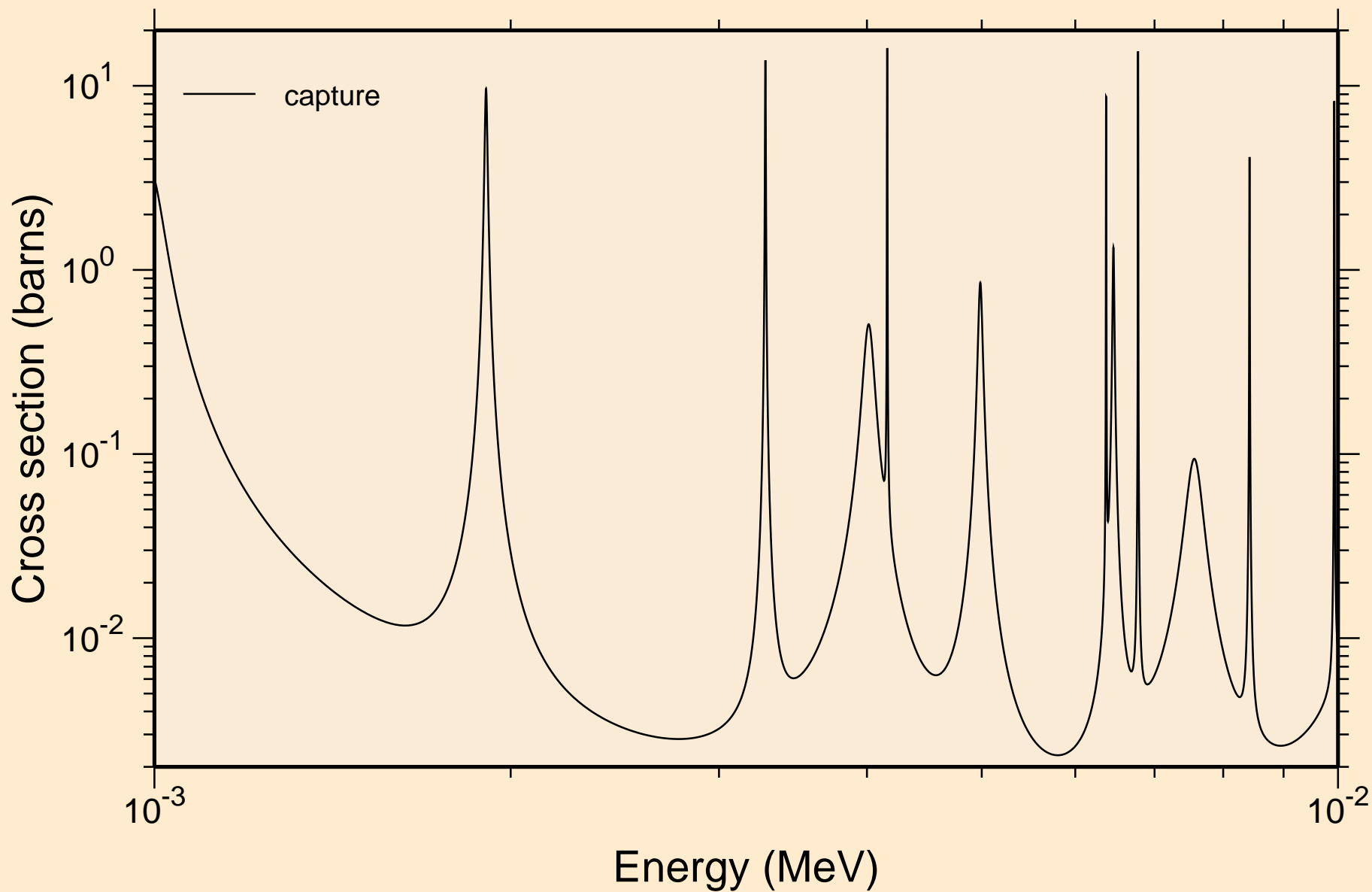
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resonance total cross section



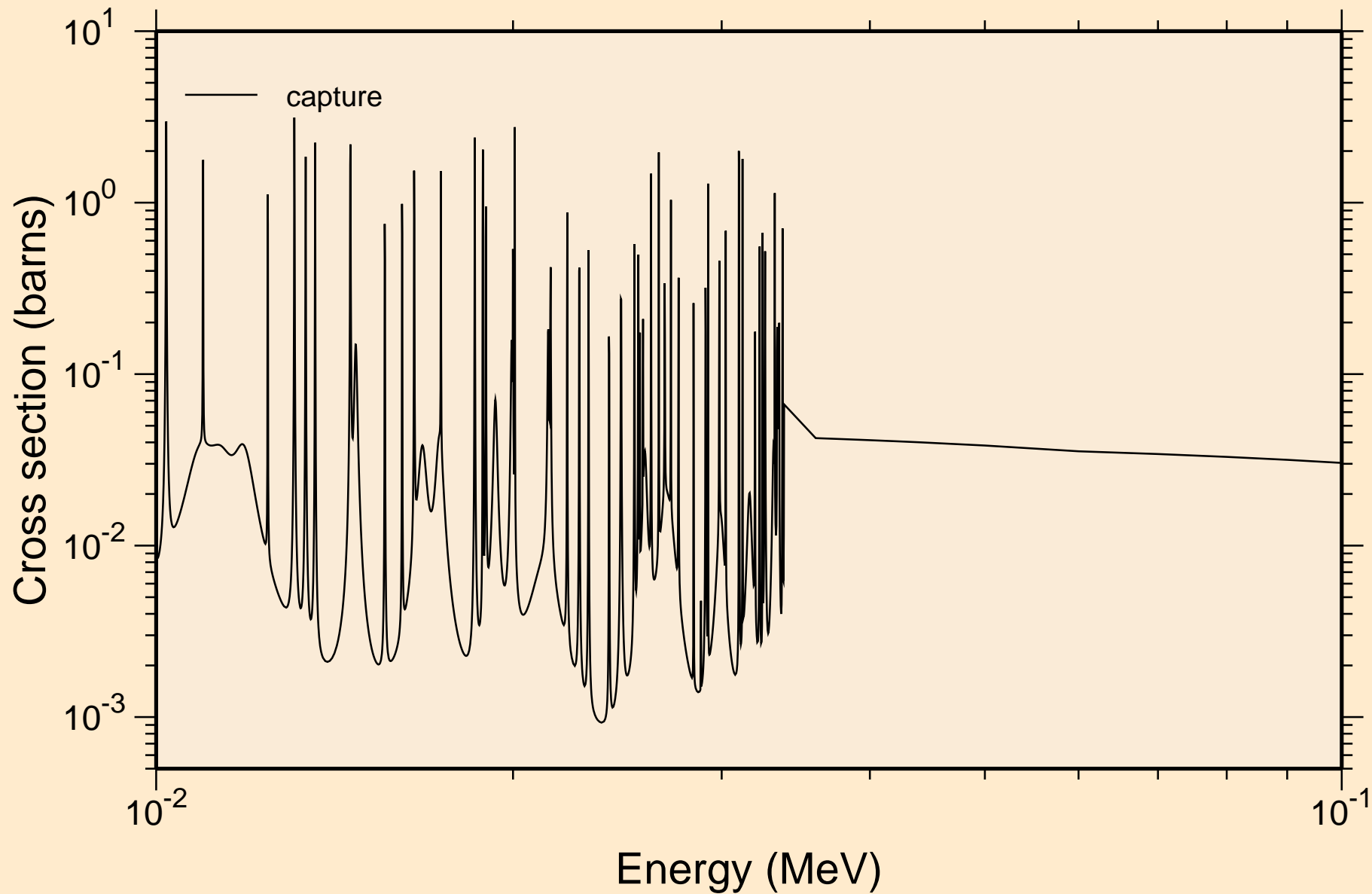
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

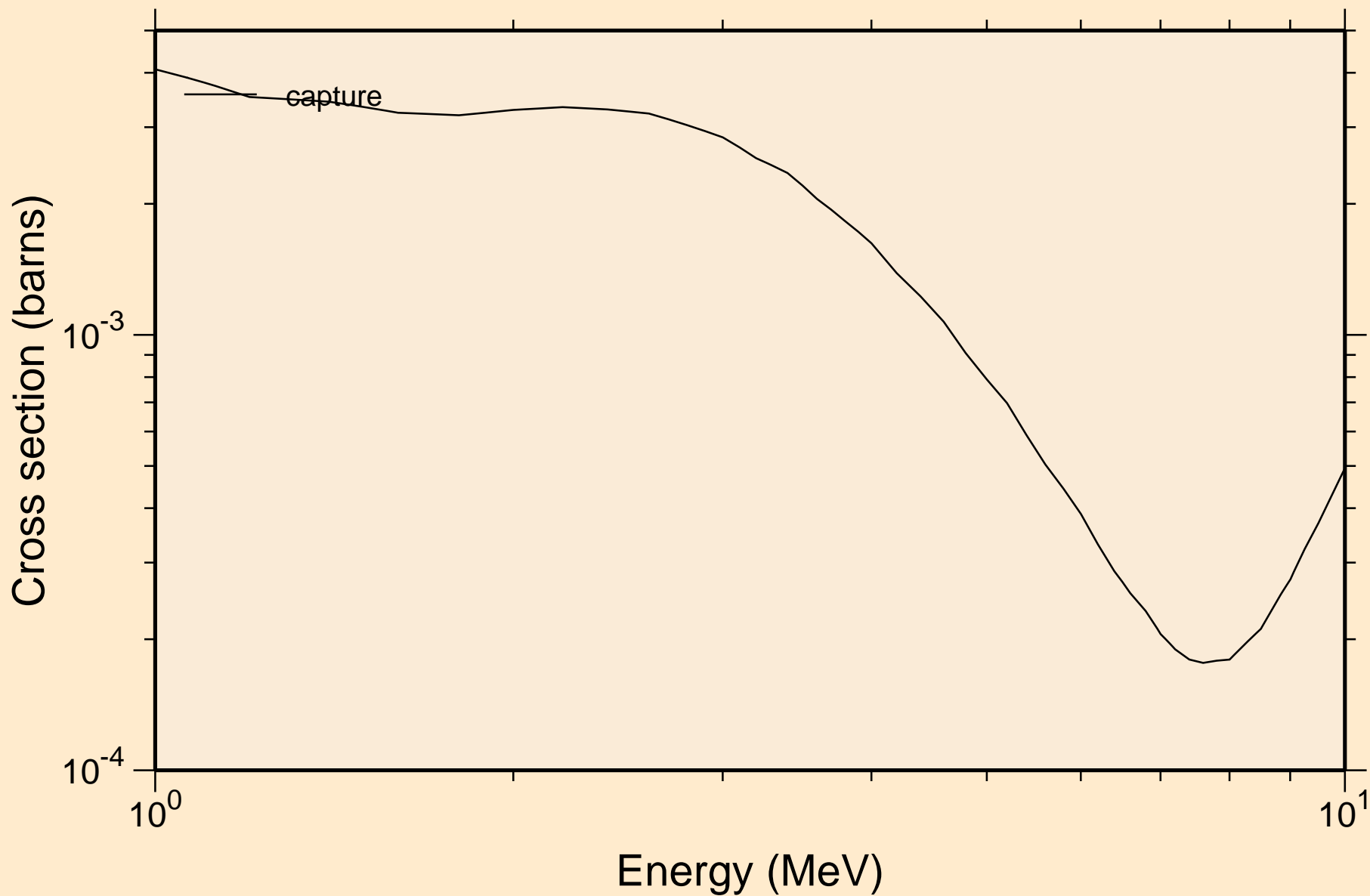


CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

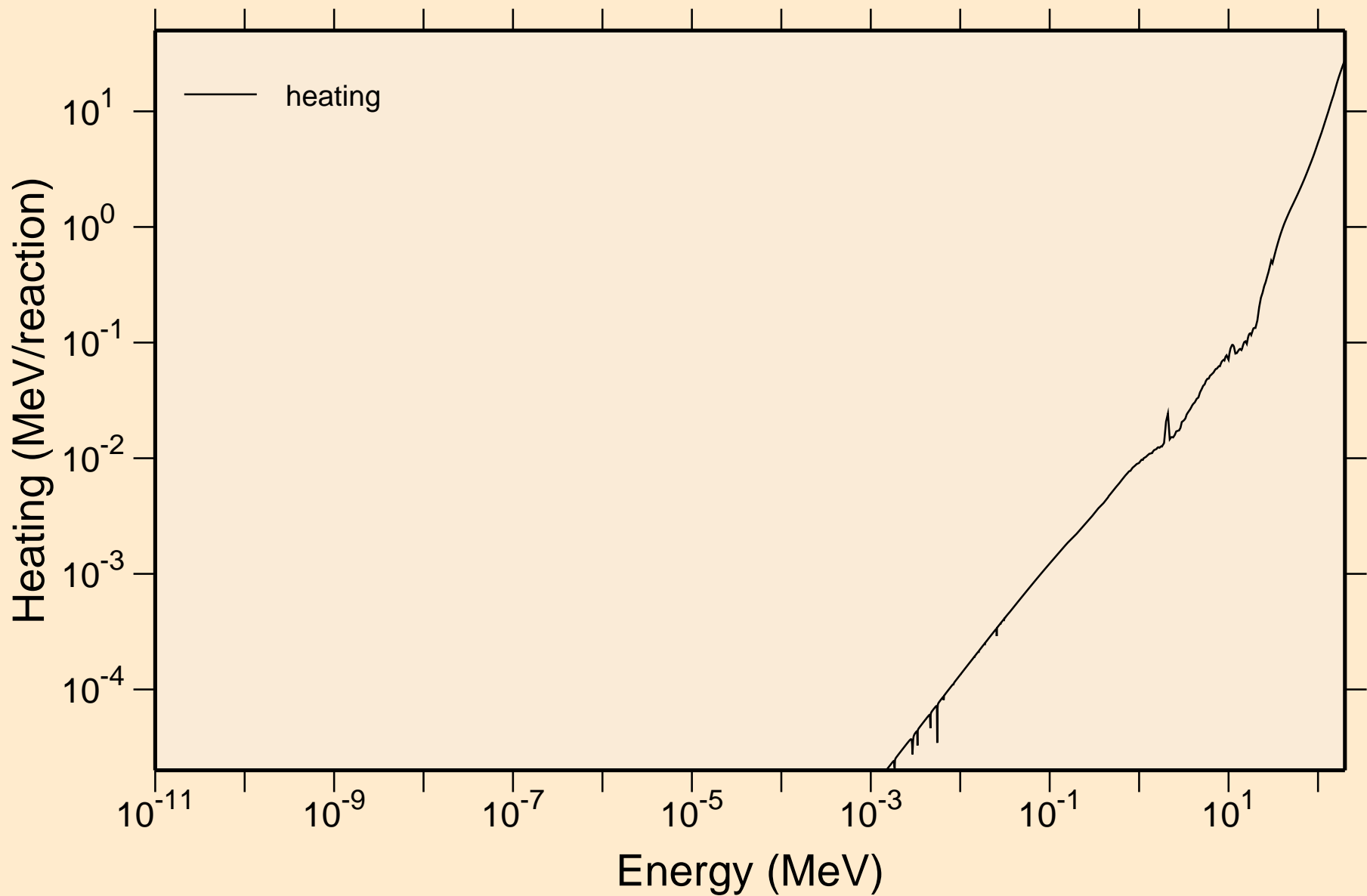




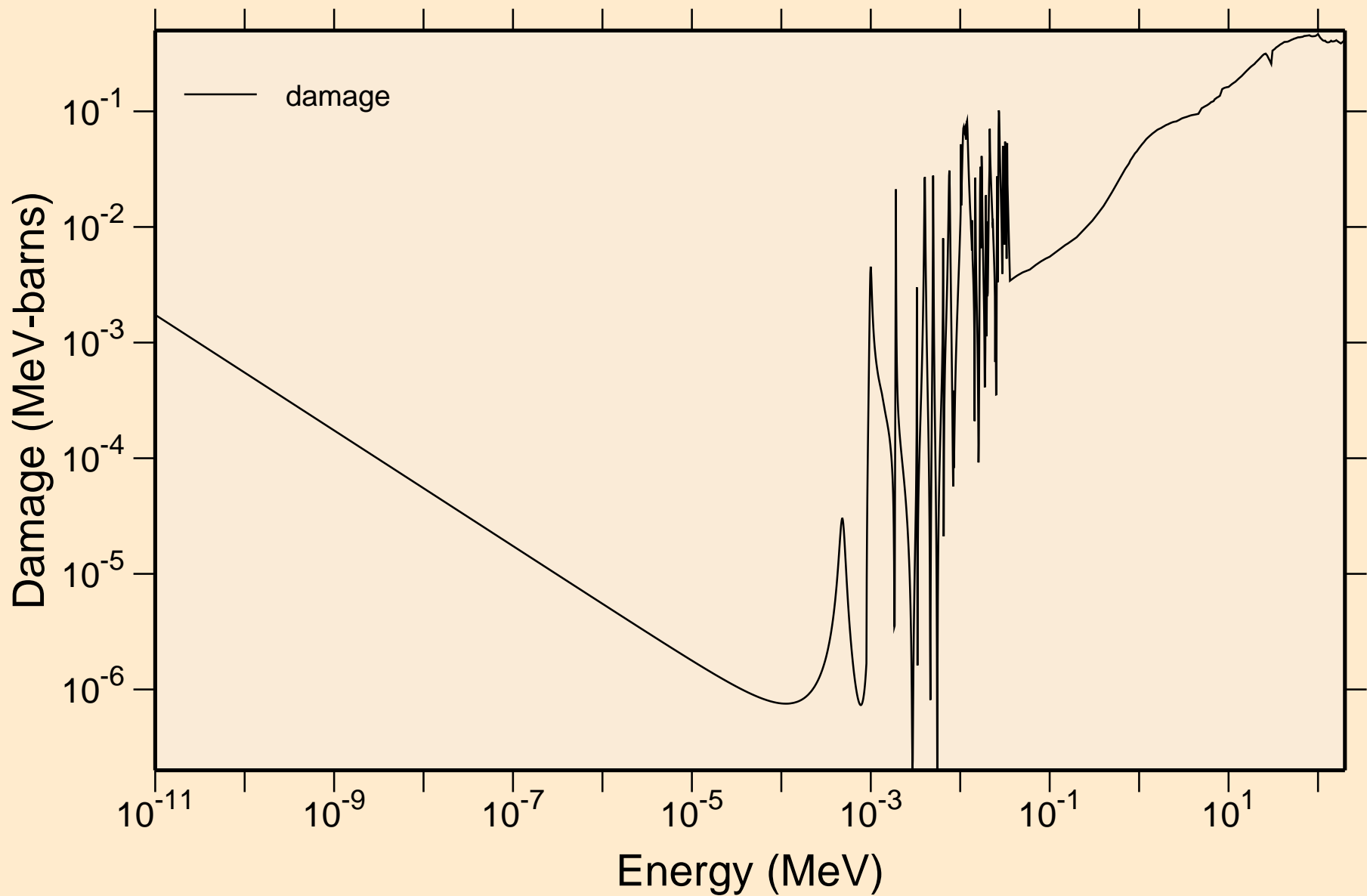
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resonance absorption cross sections



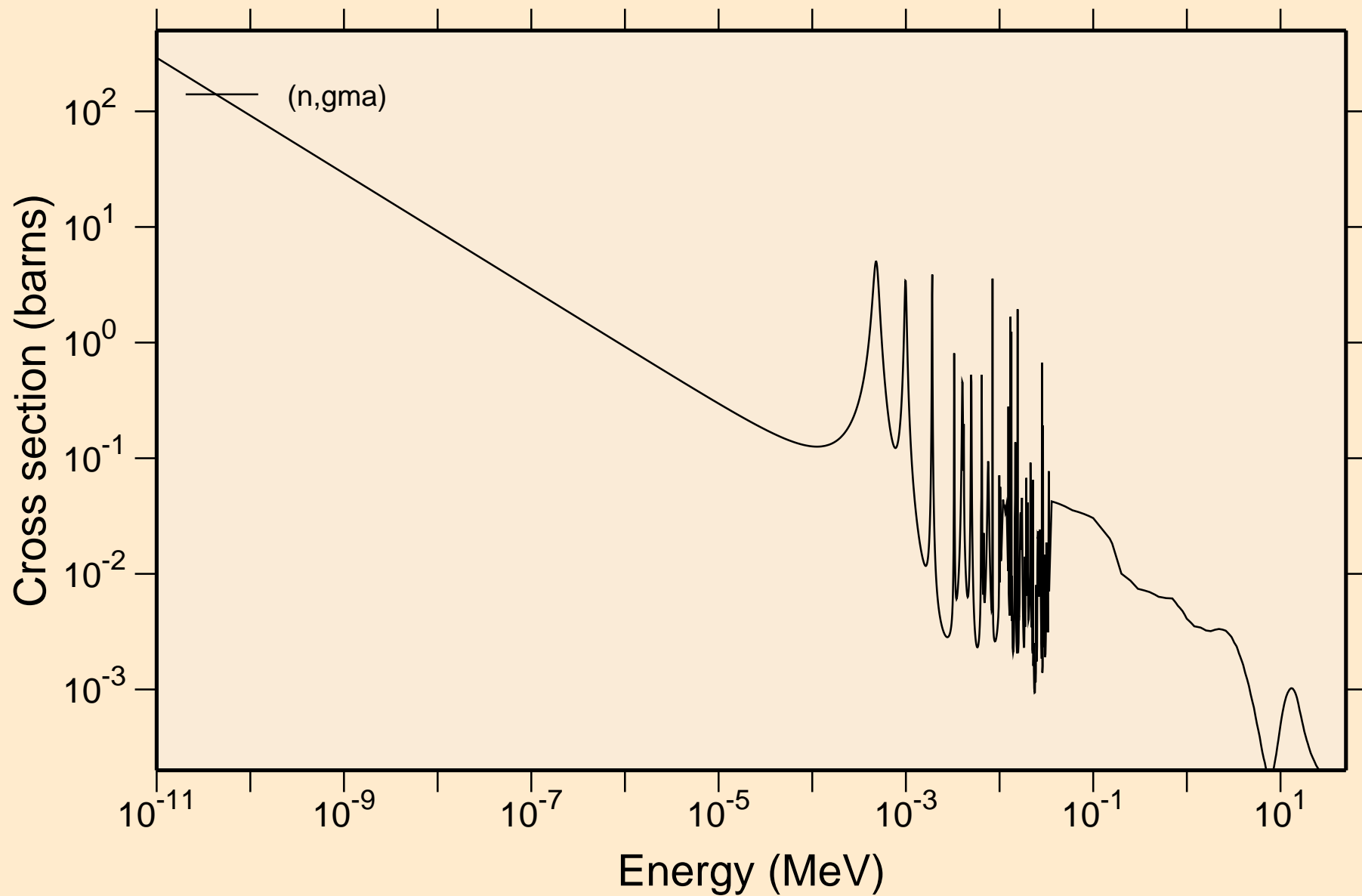
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



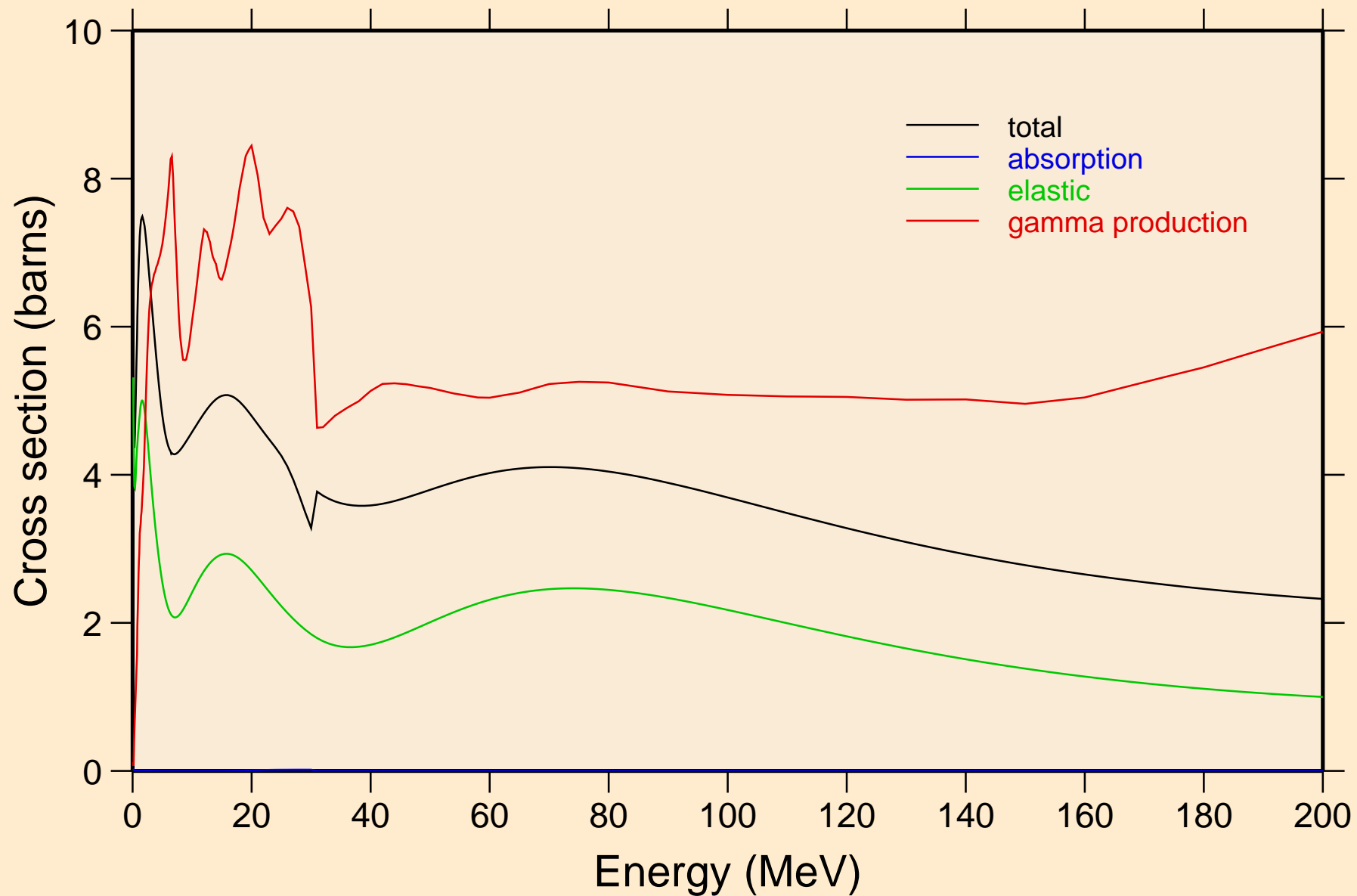
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



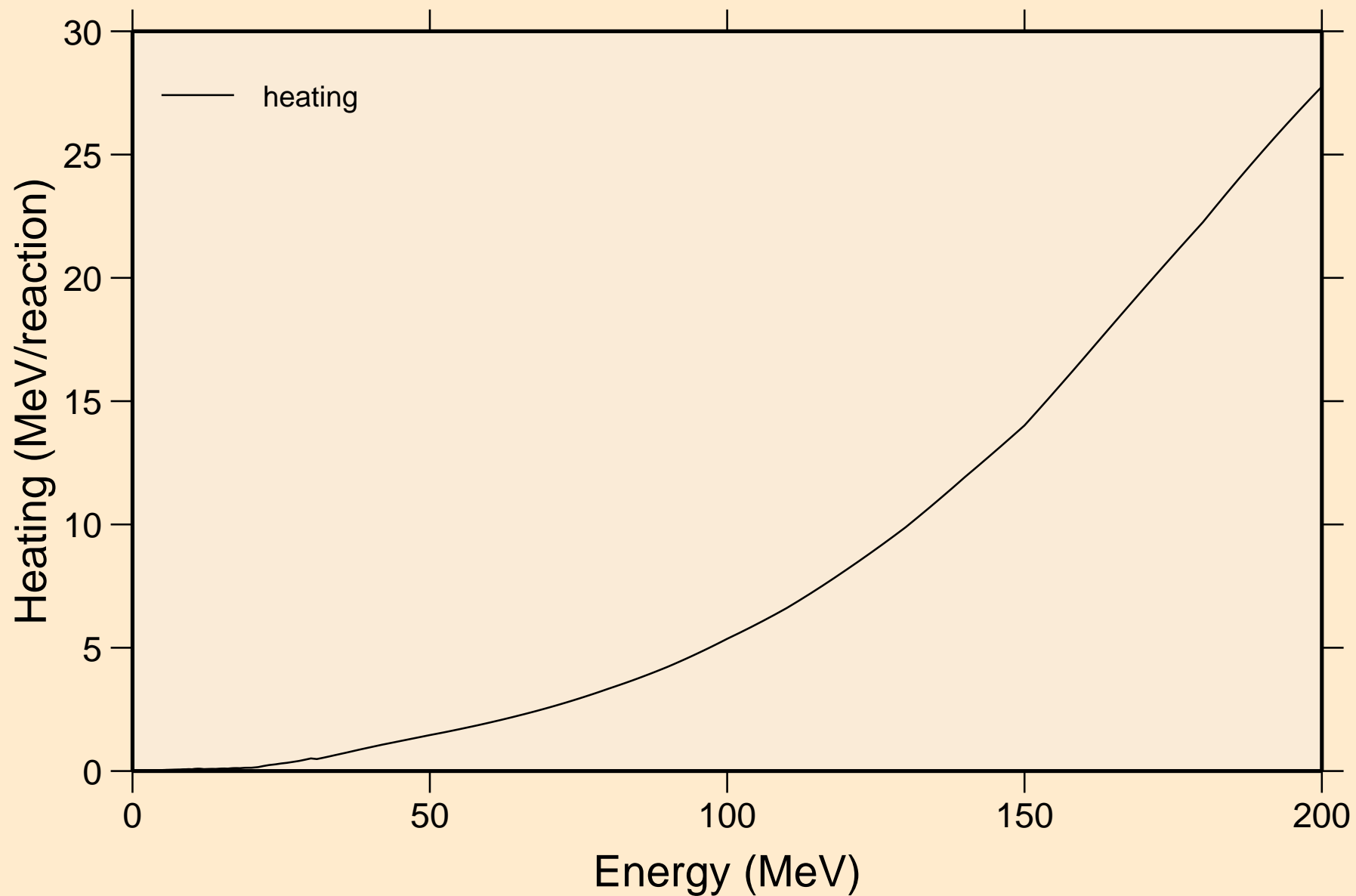
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



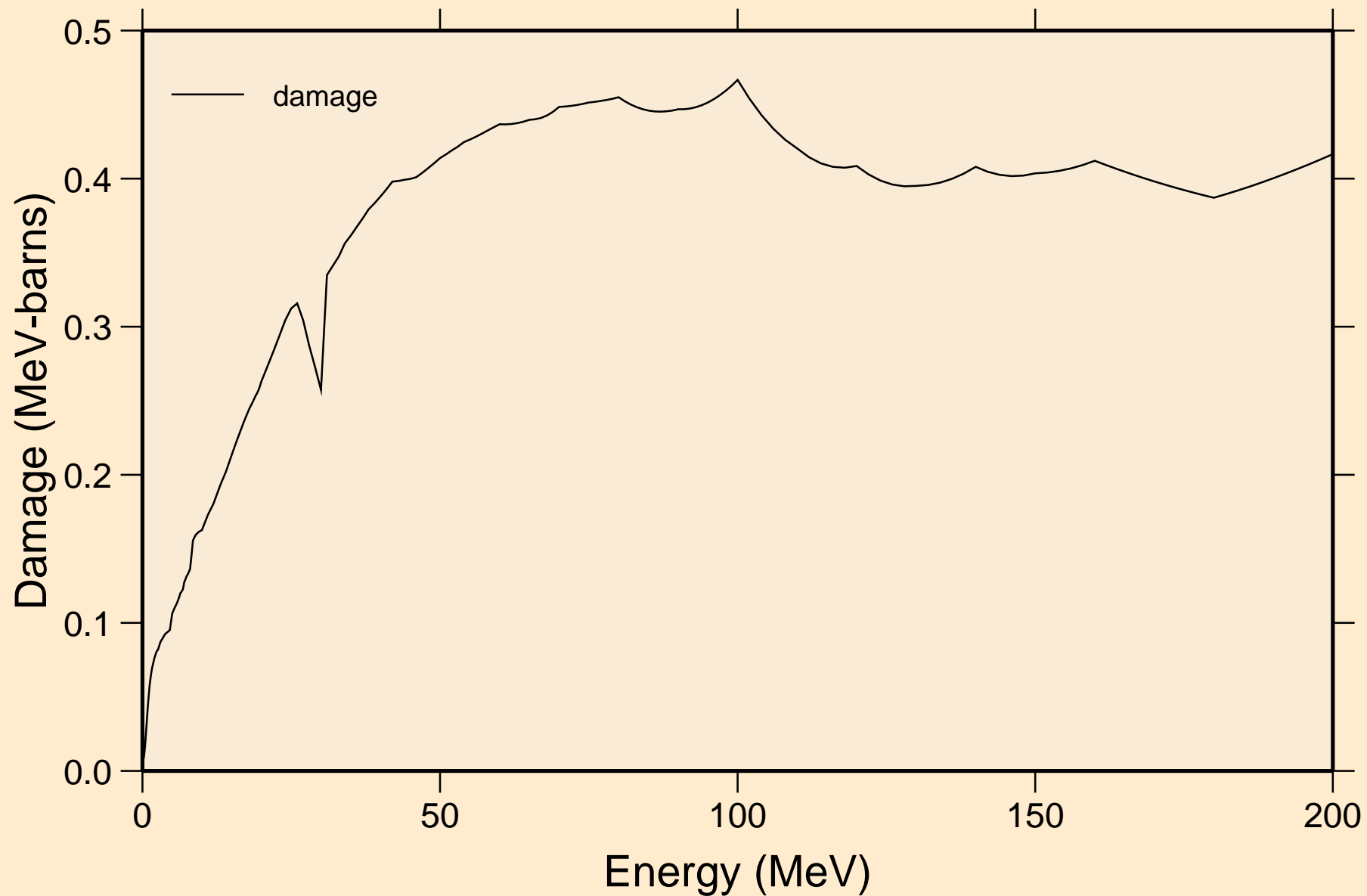
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Principal cross sections



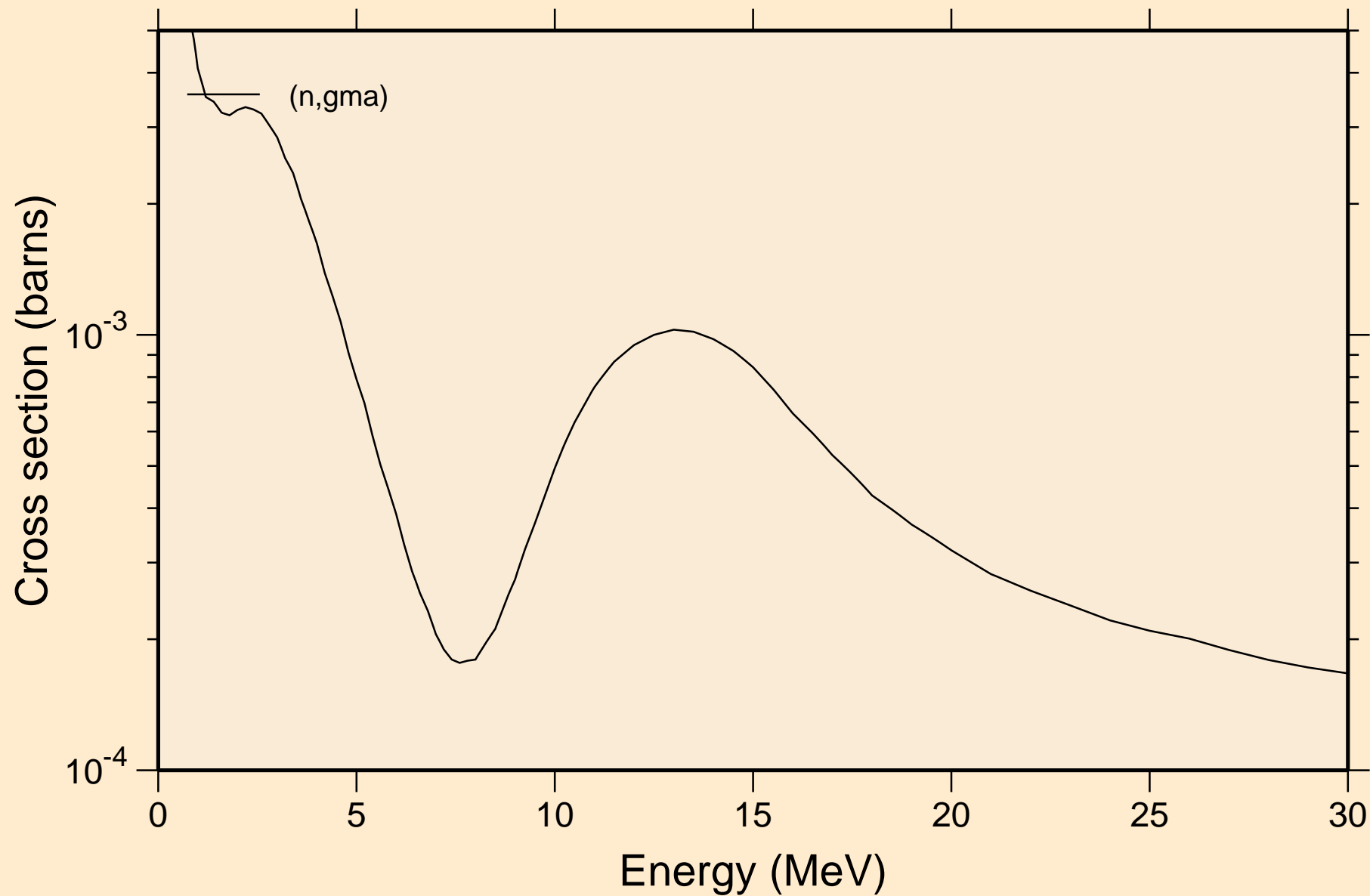
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage

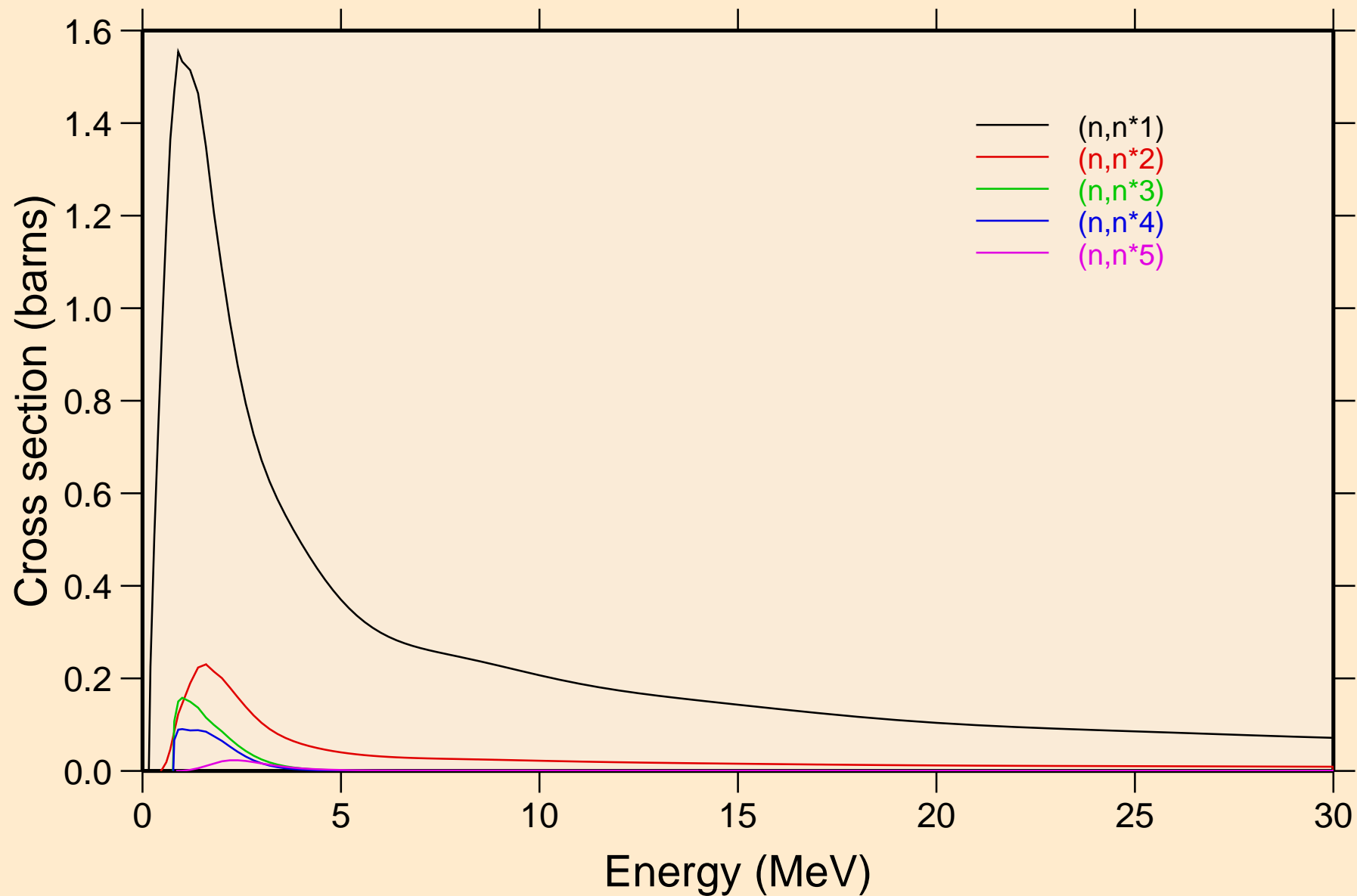


CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

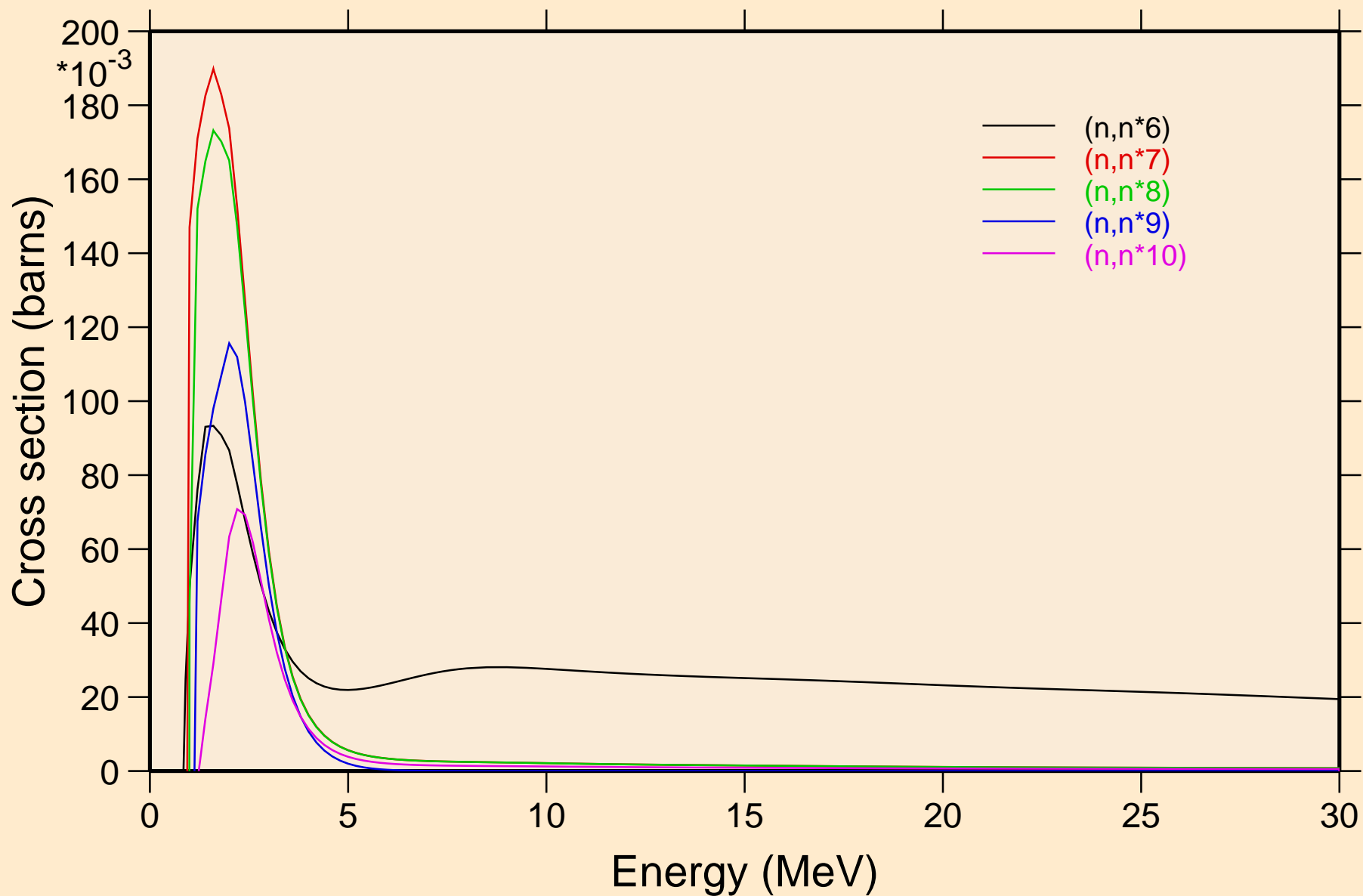




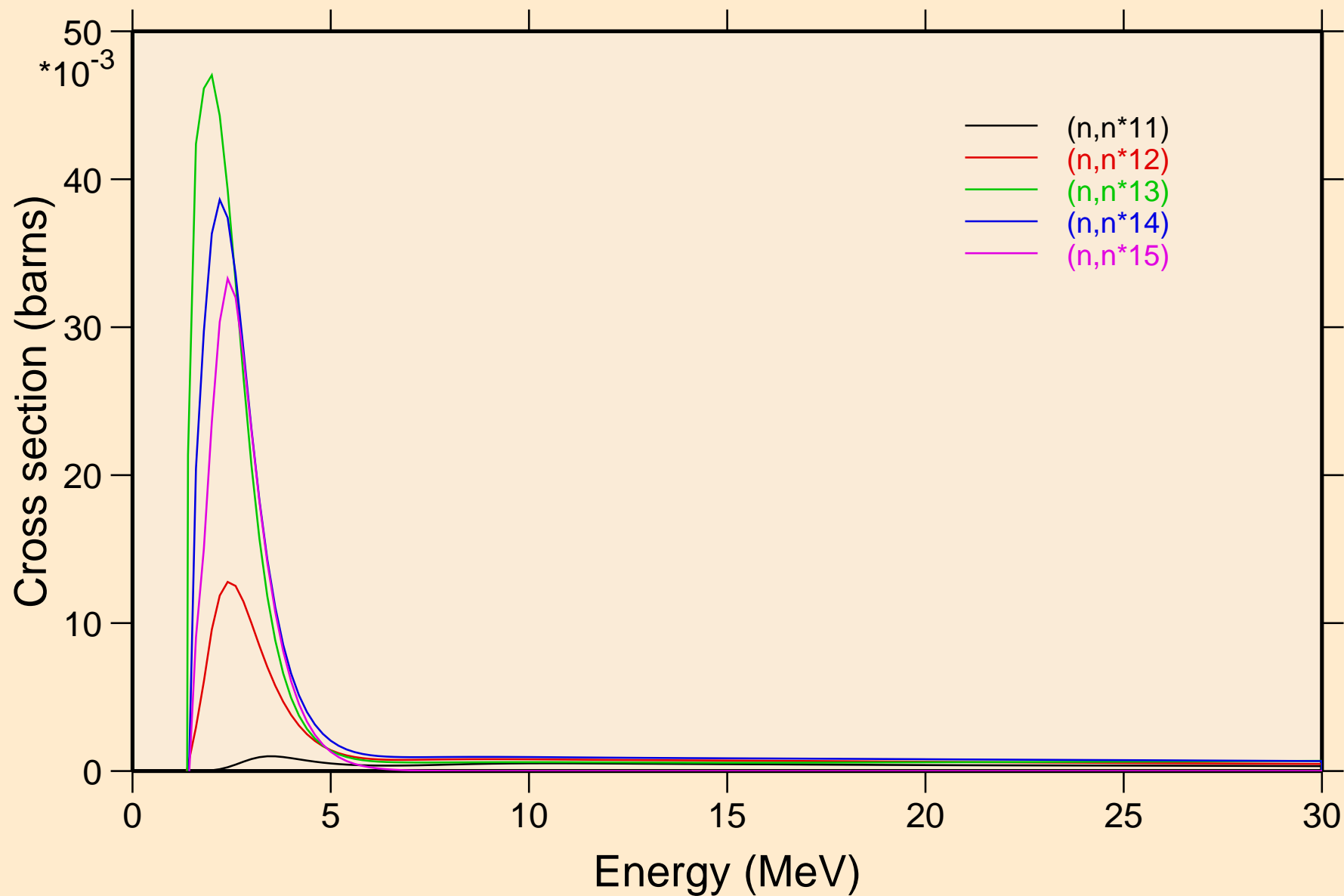
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Inelastic levels



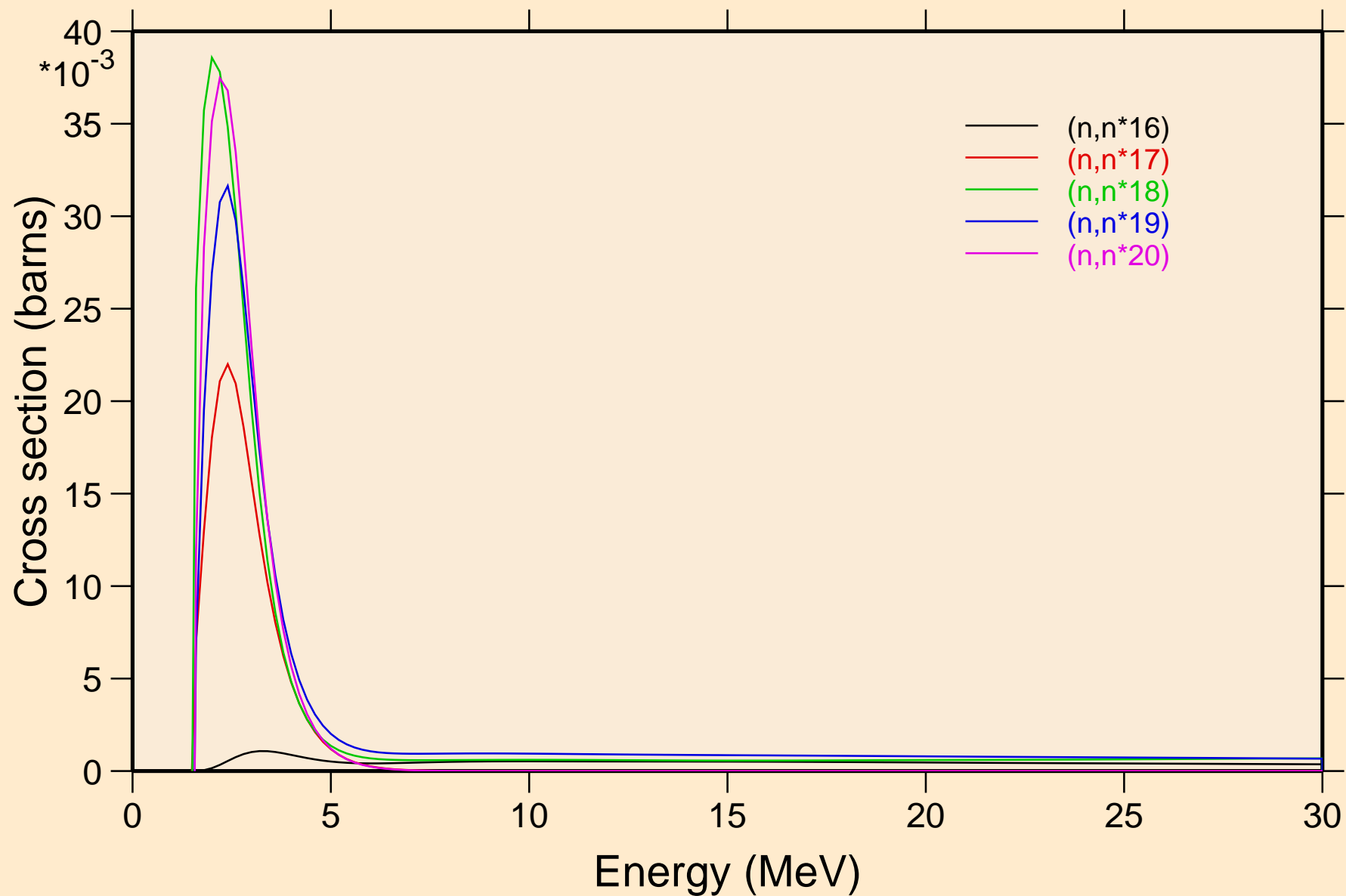
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



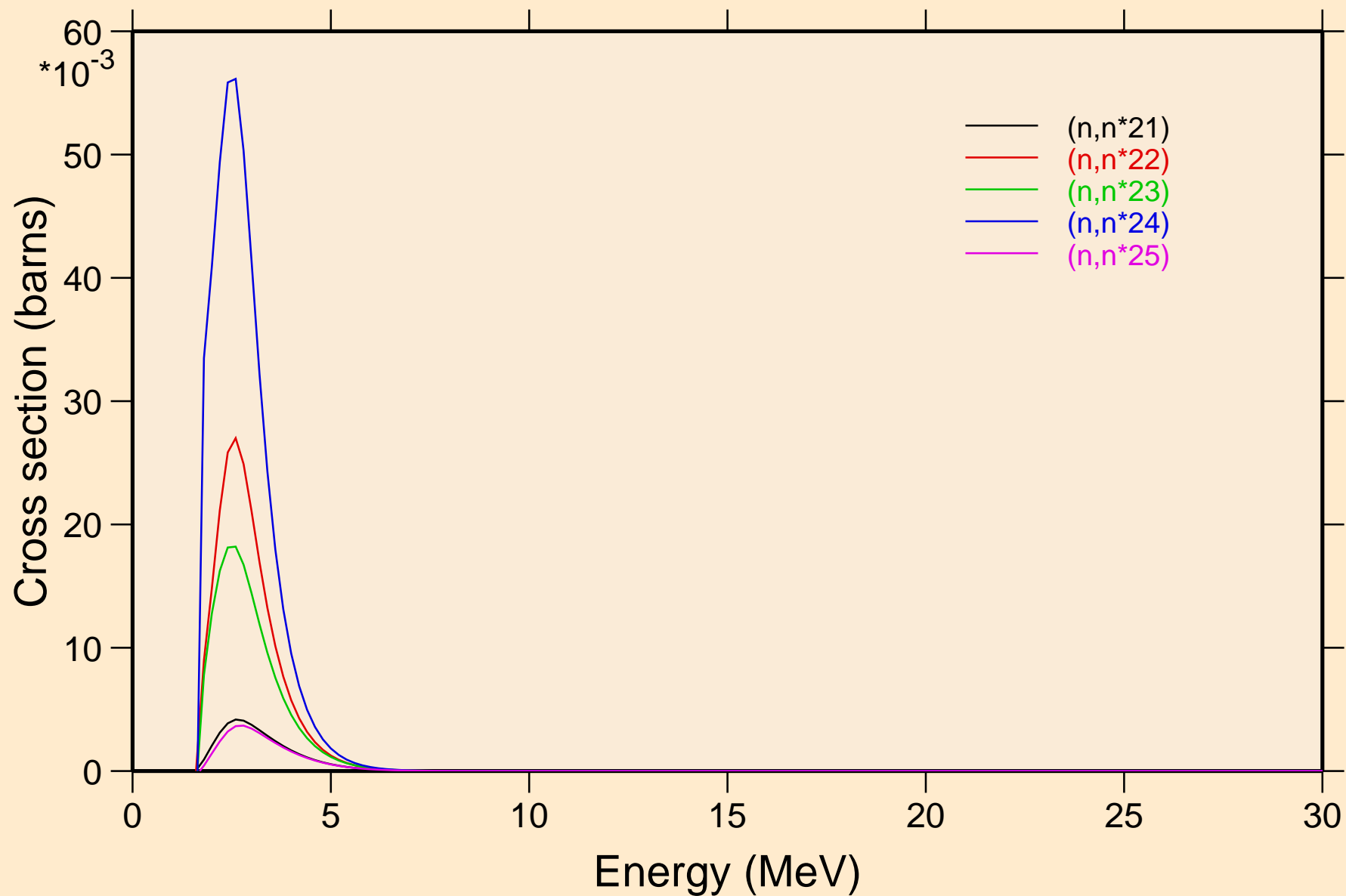
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



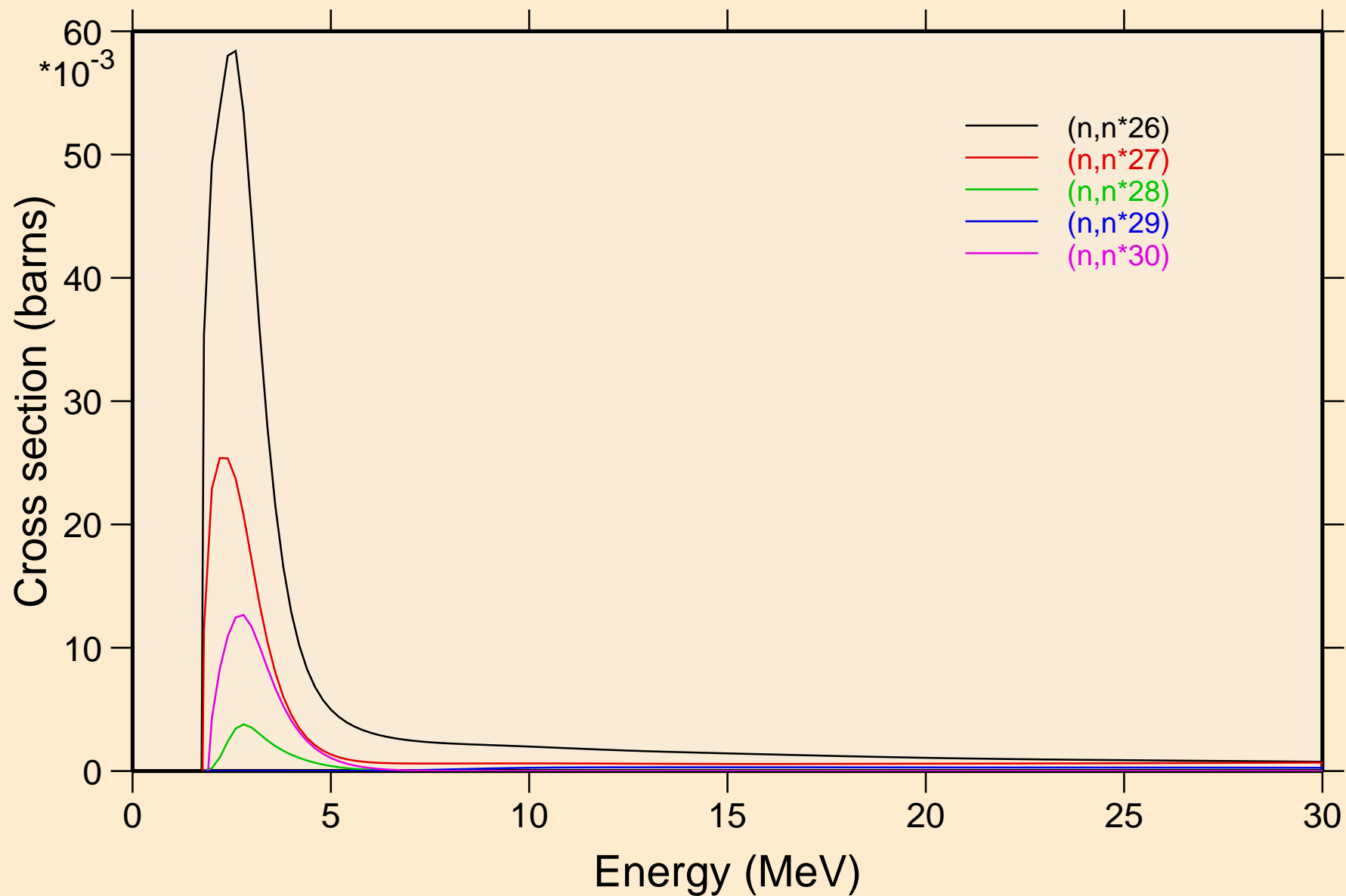
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



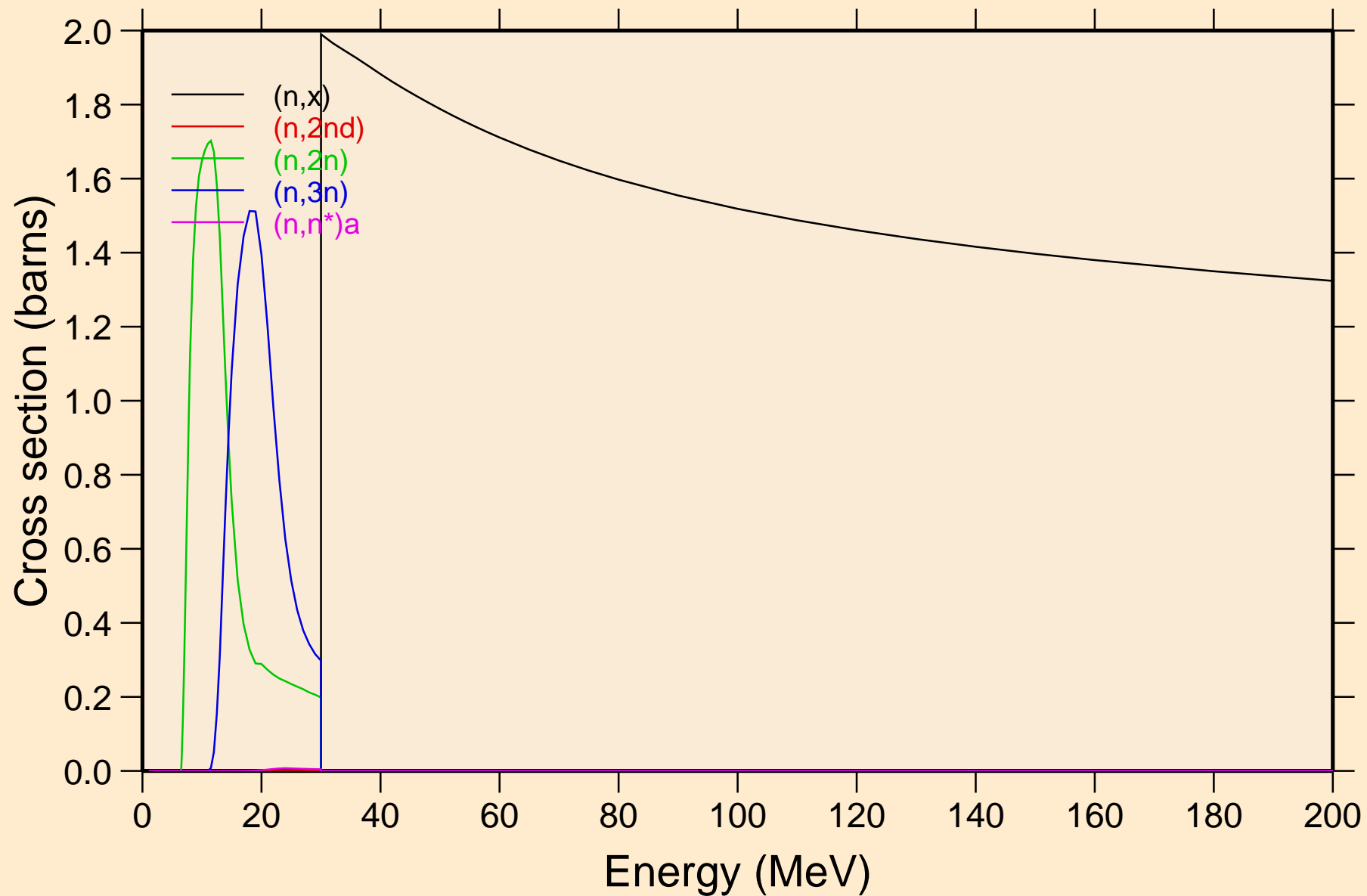
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



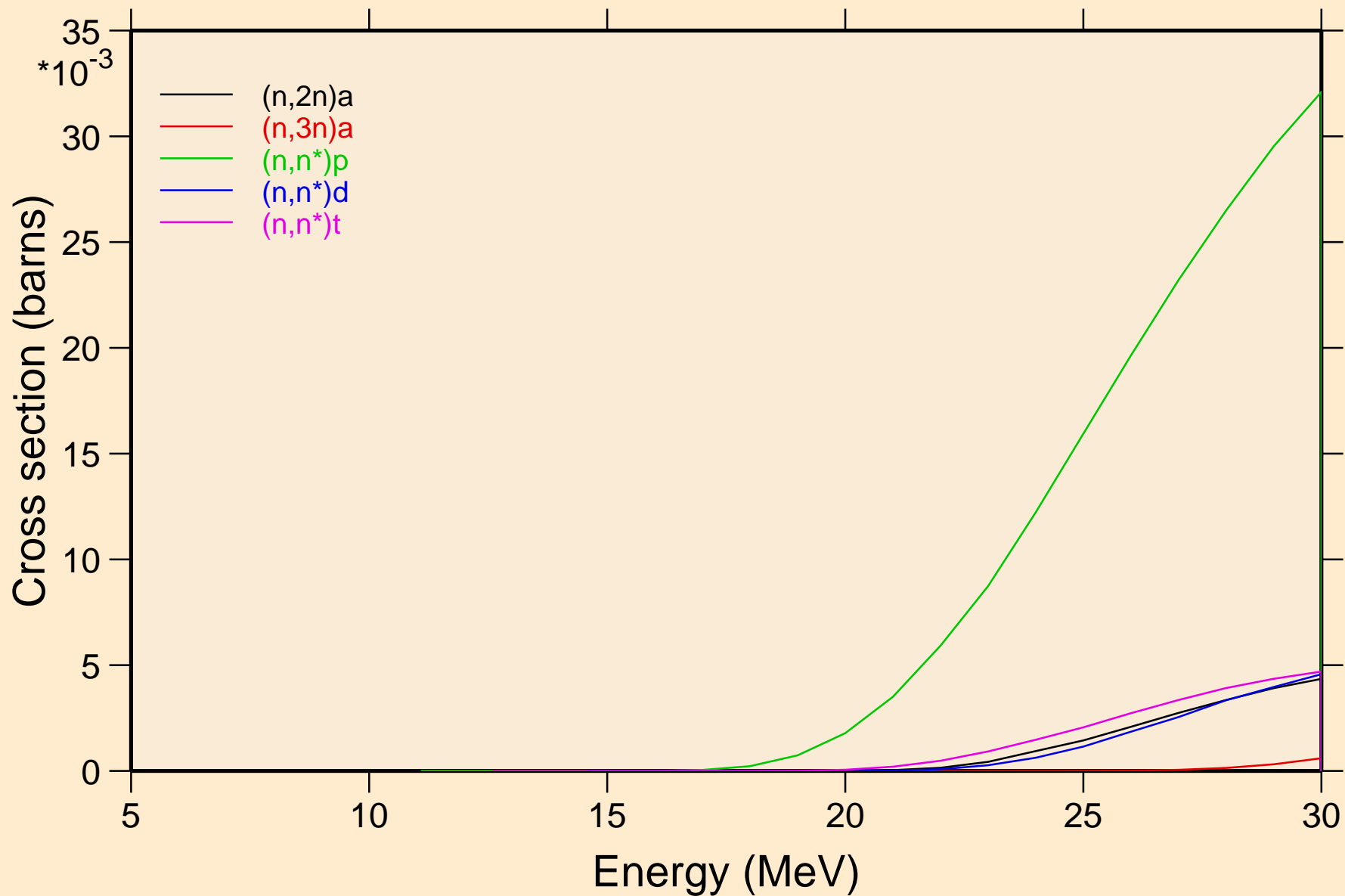
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

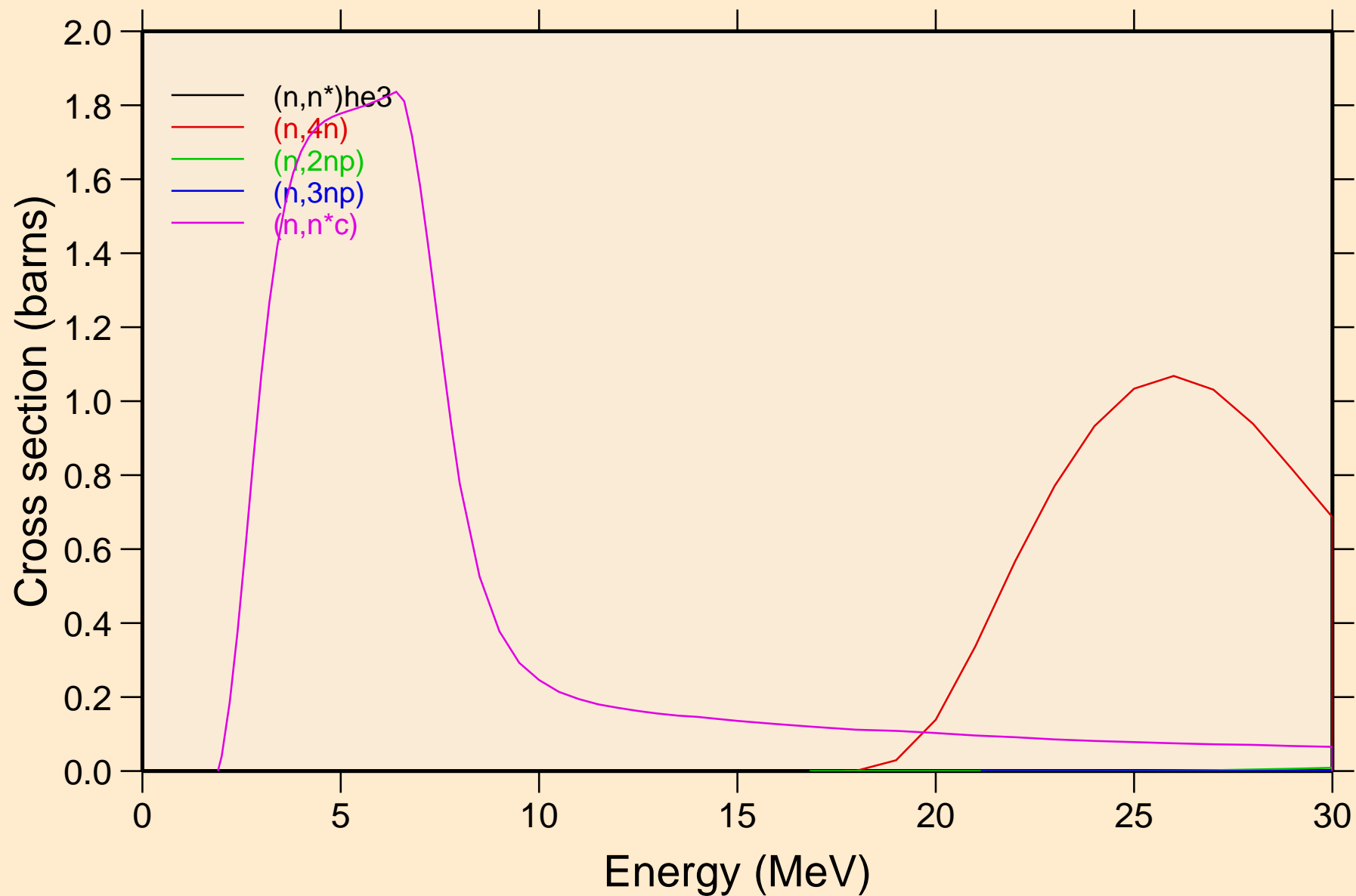


CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

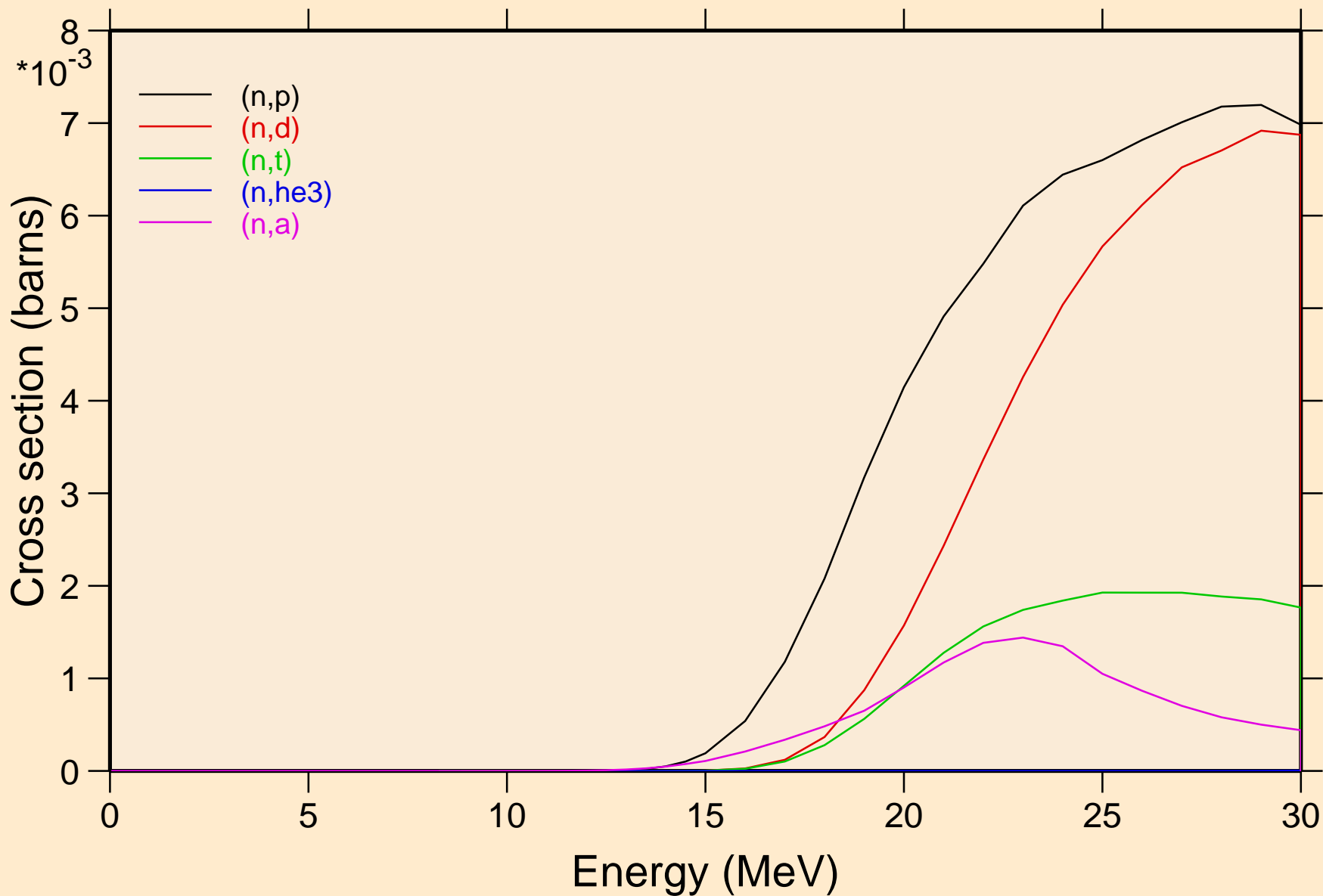




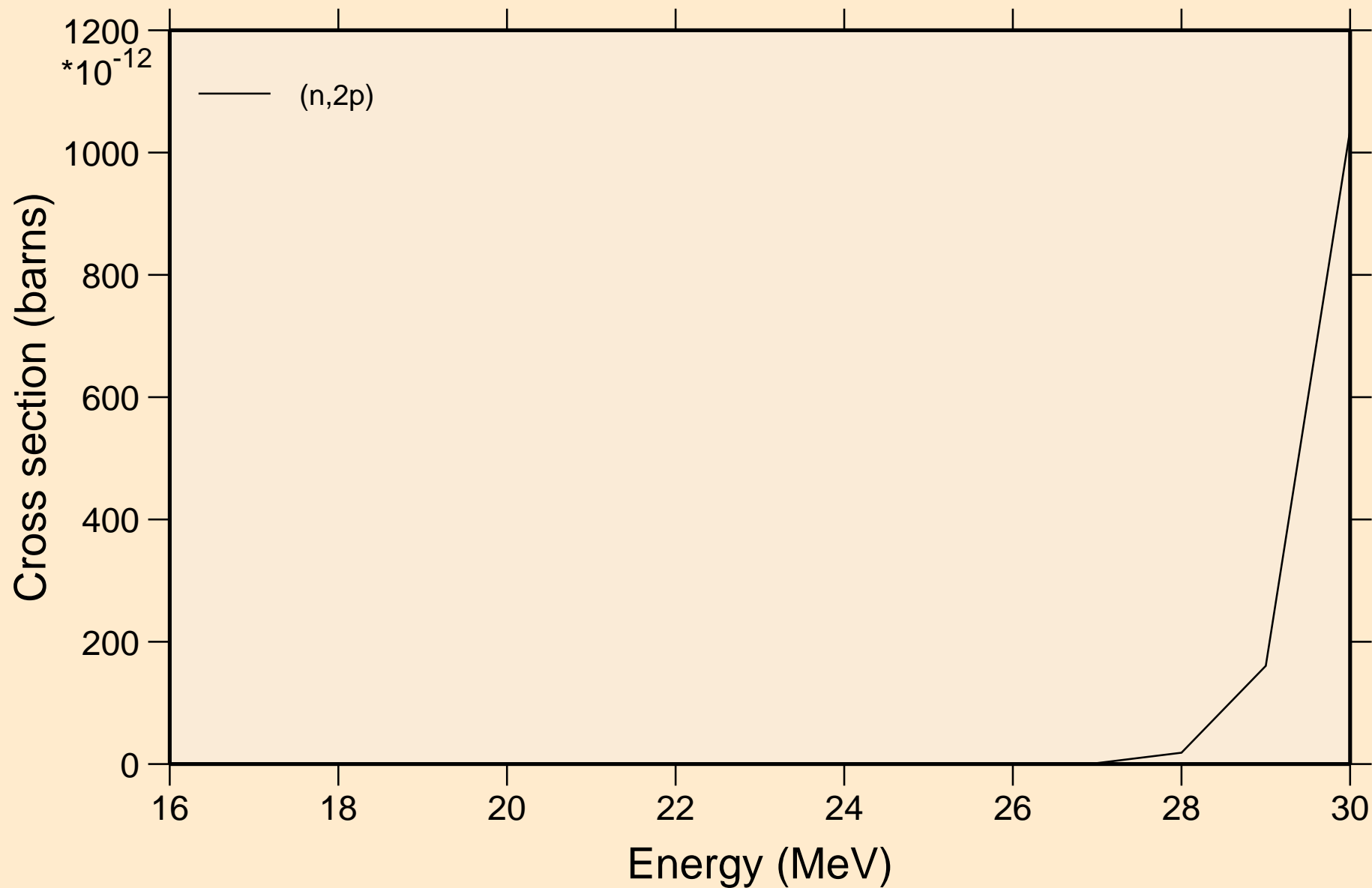
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



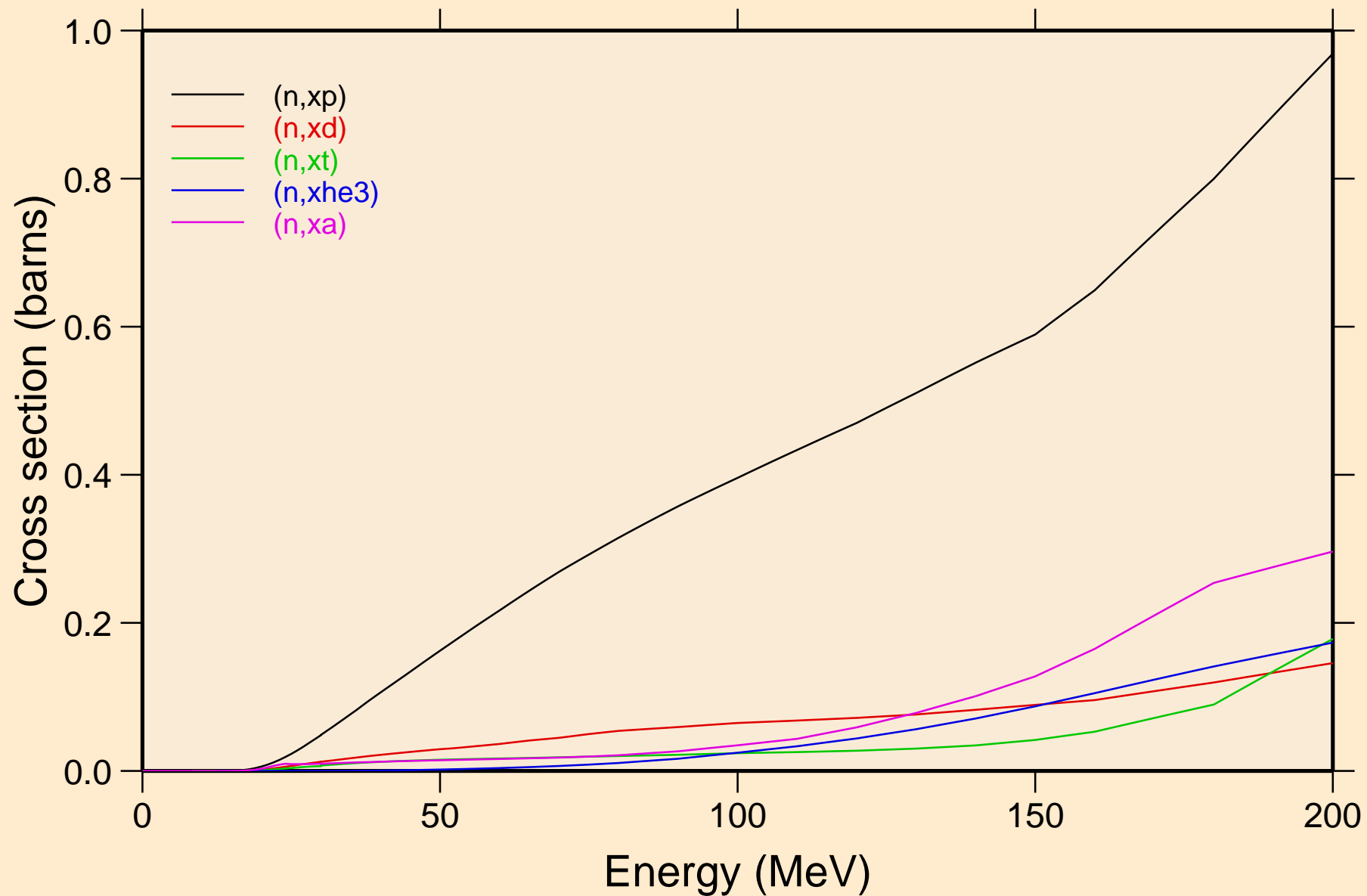
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



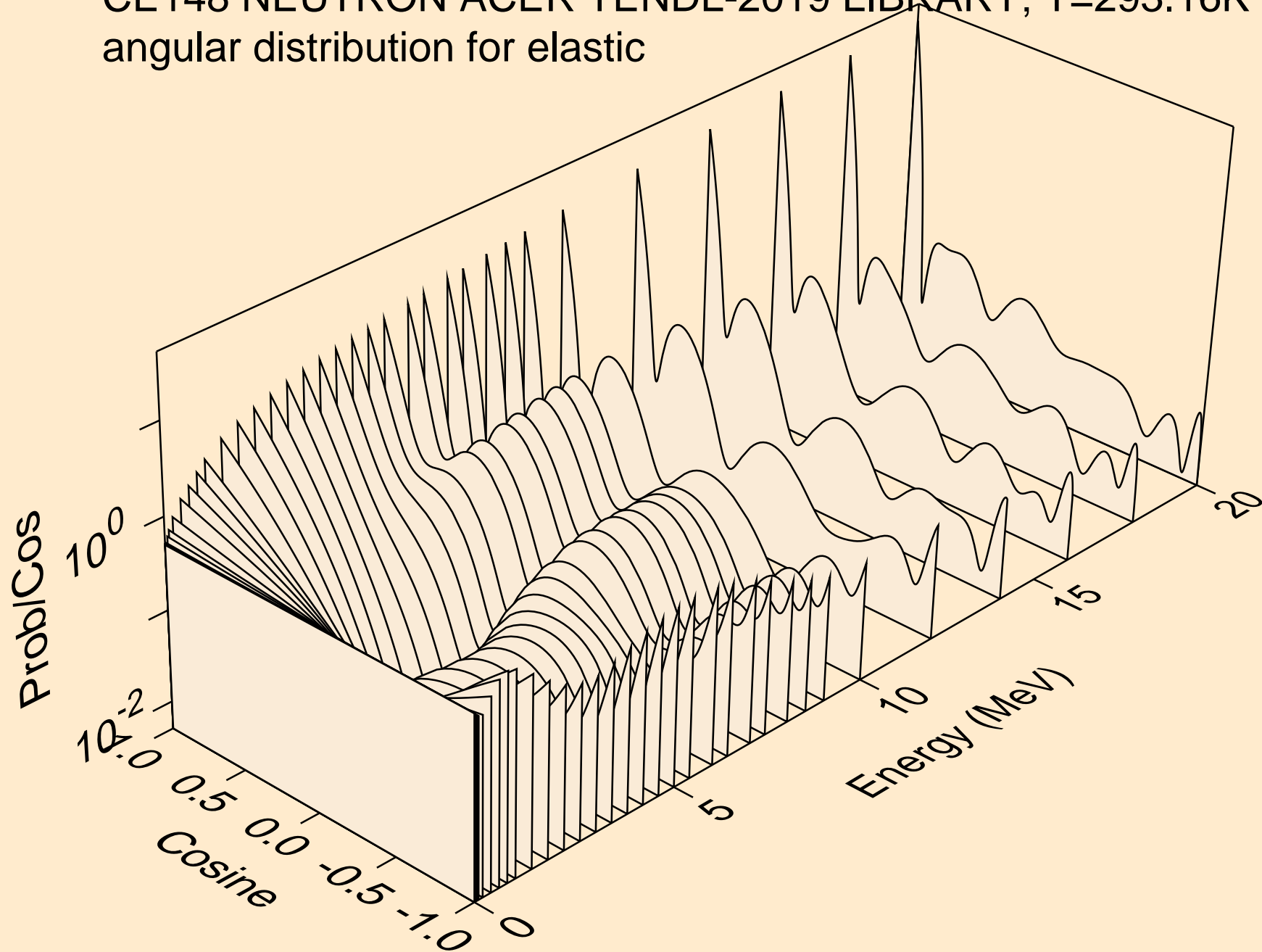
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



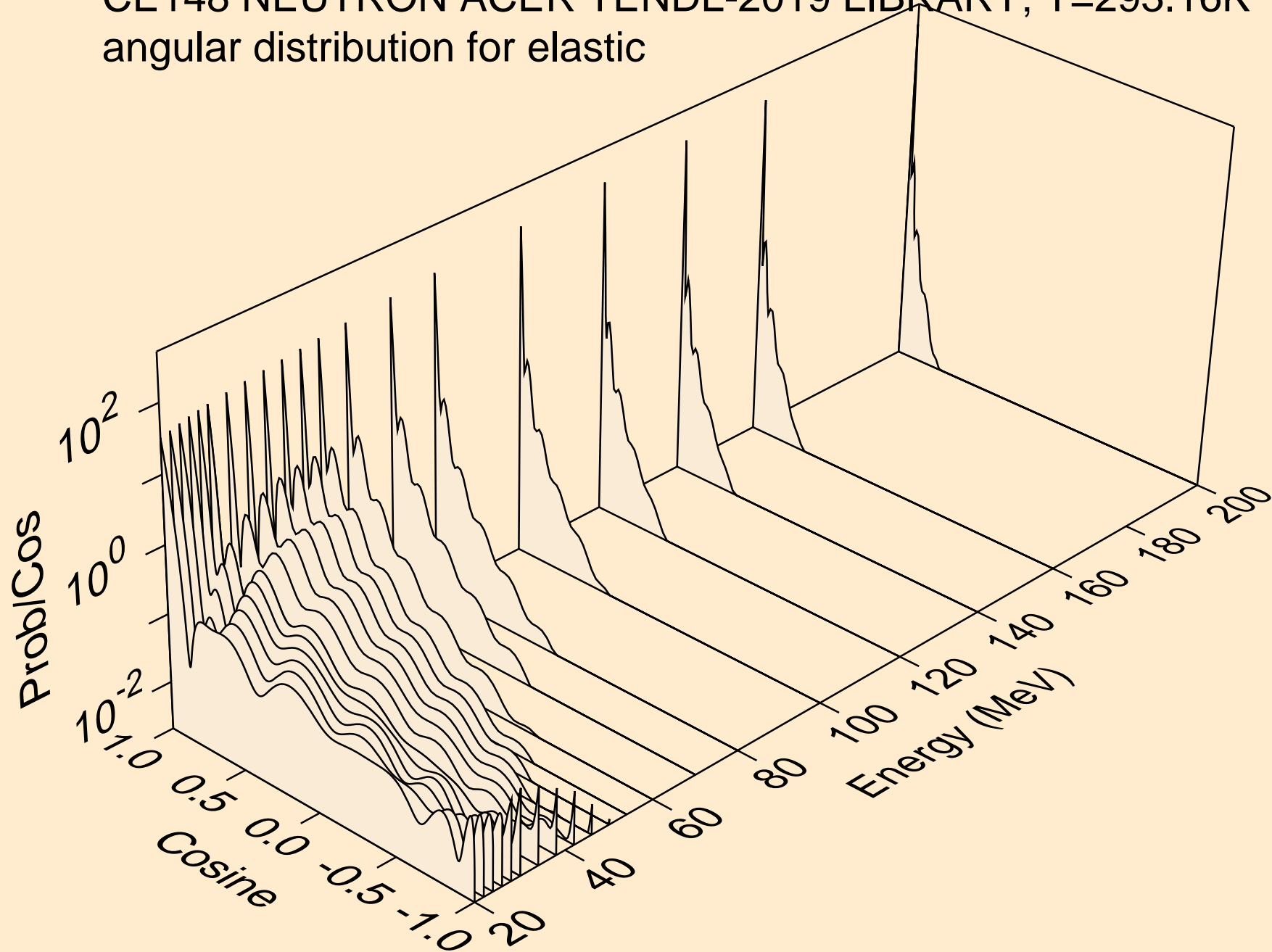
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



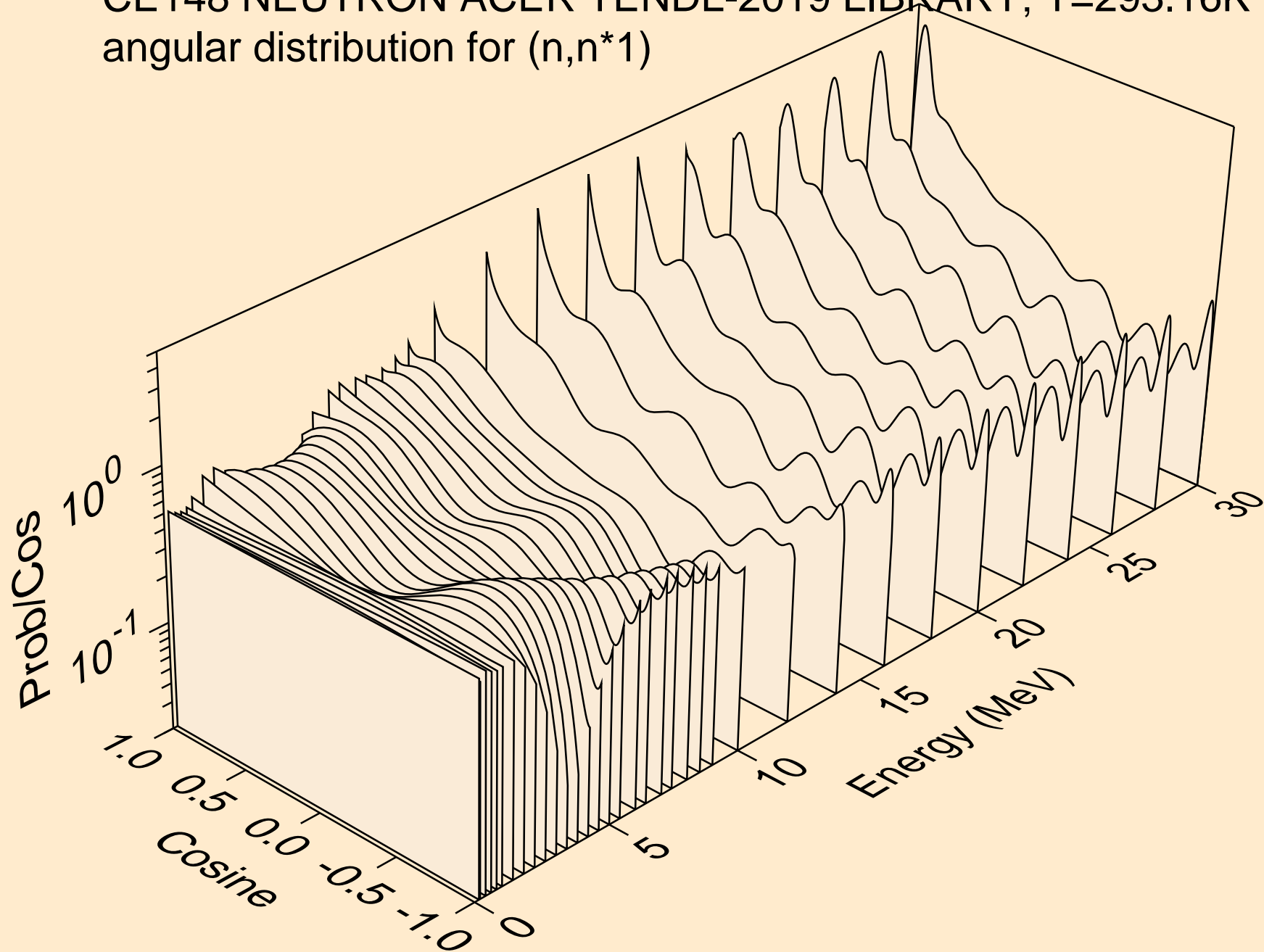
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



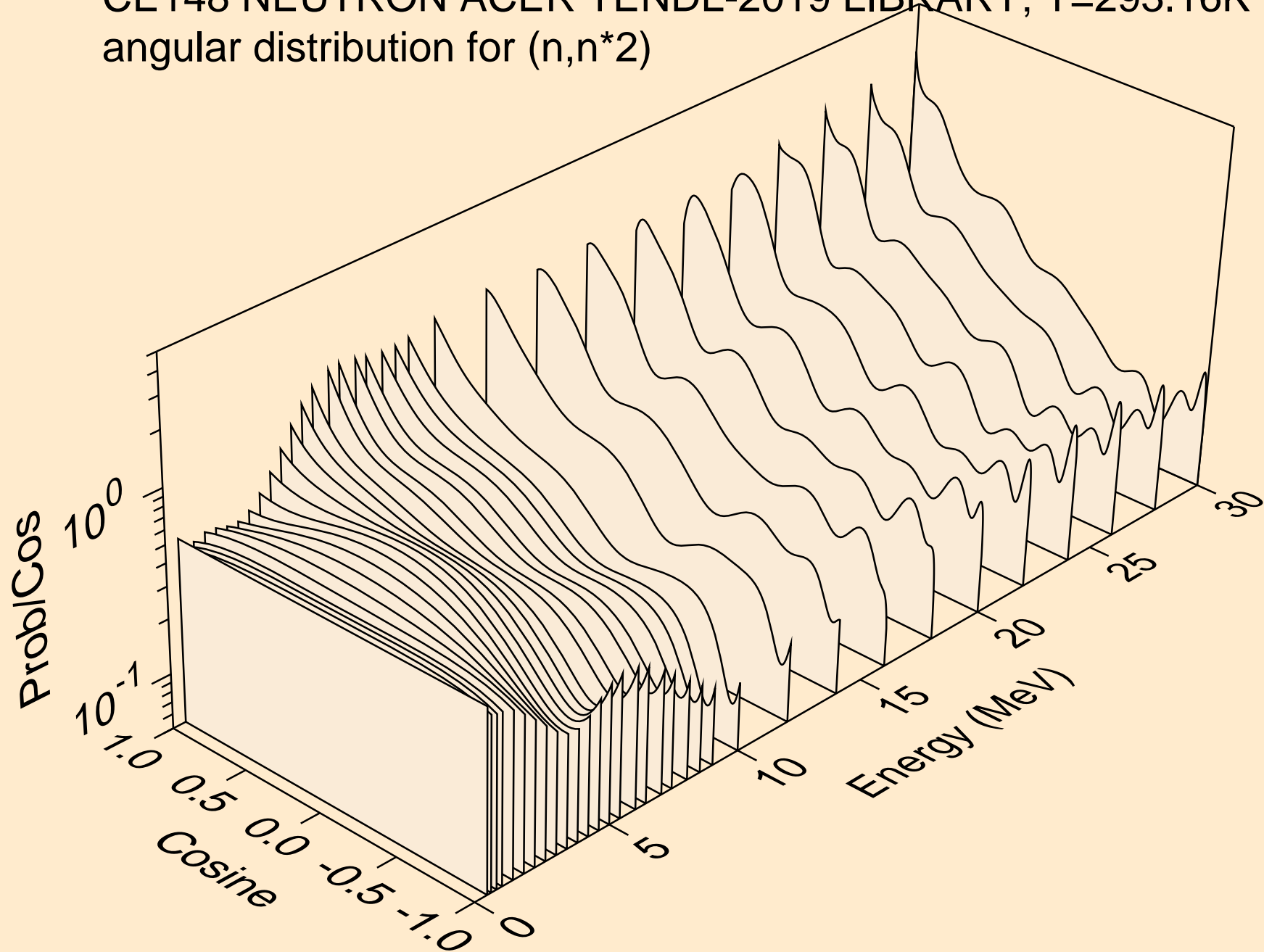
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)

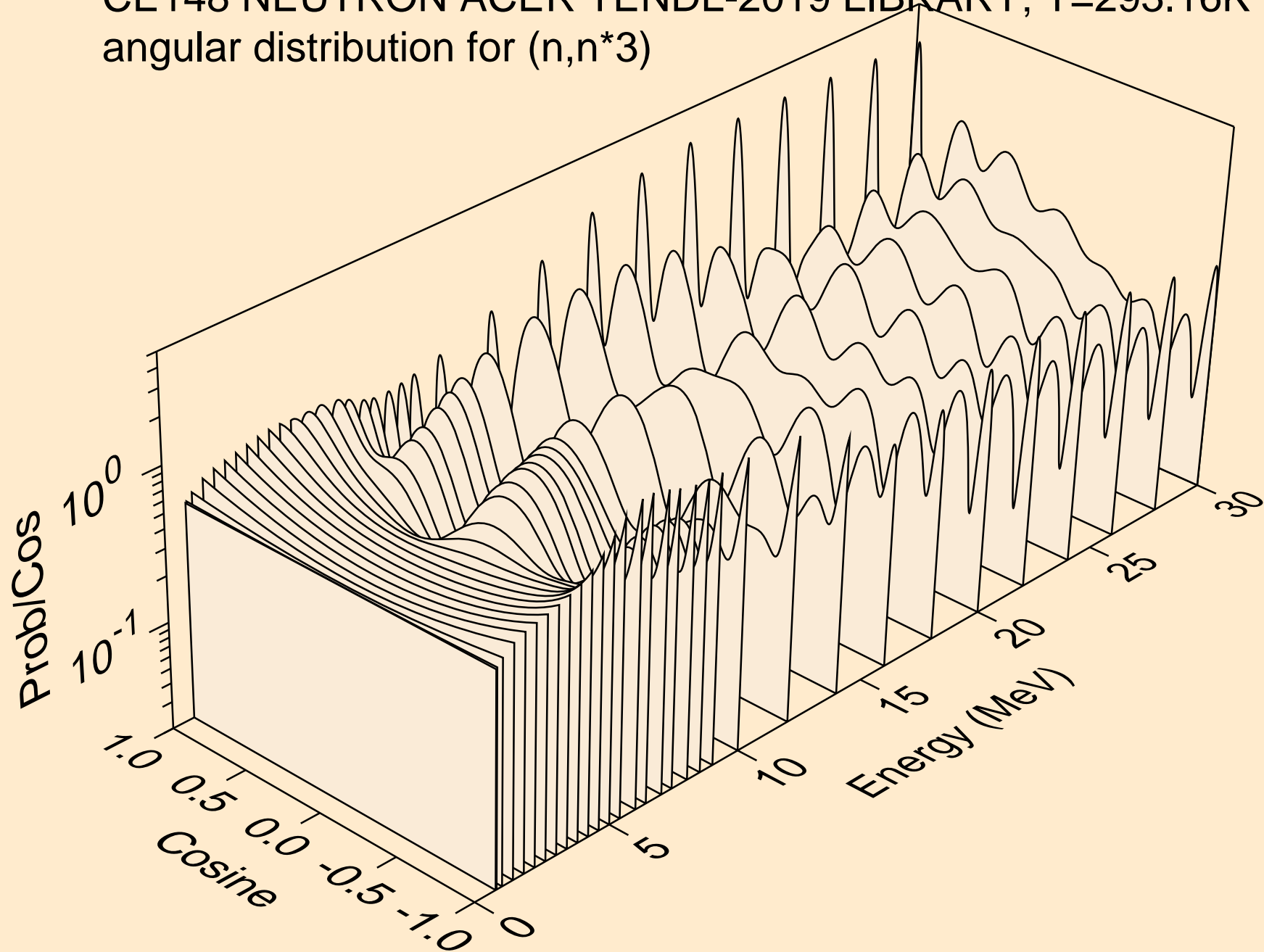


CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)

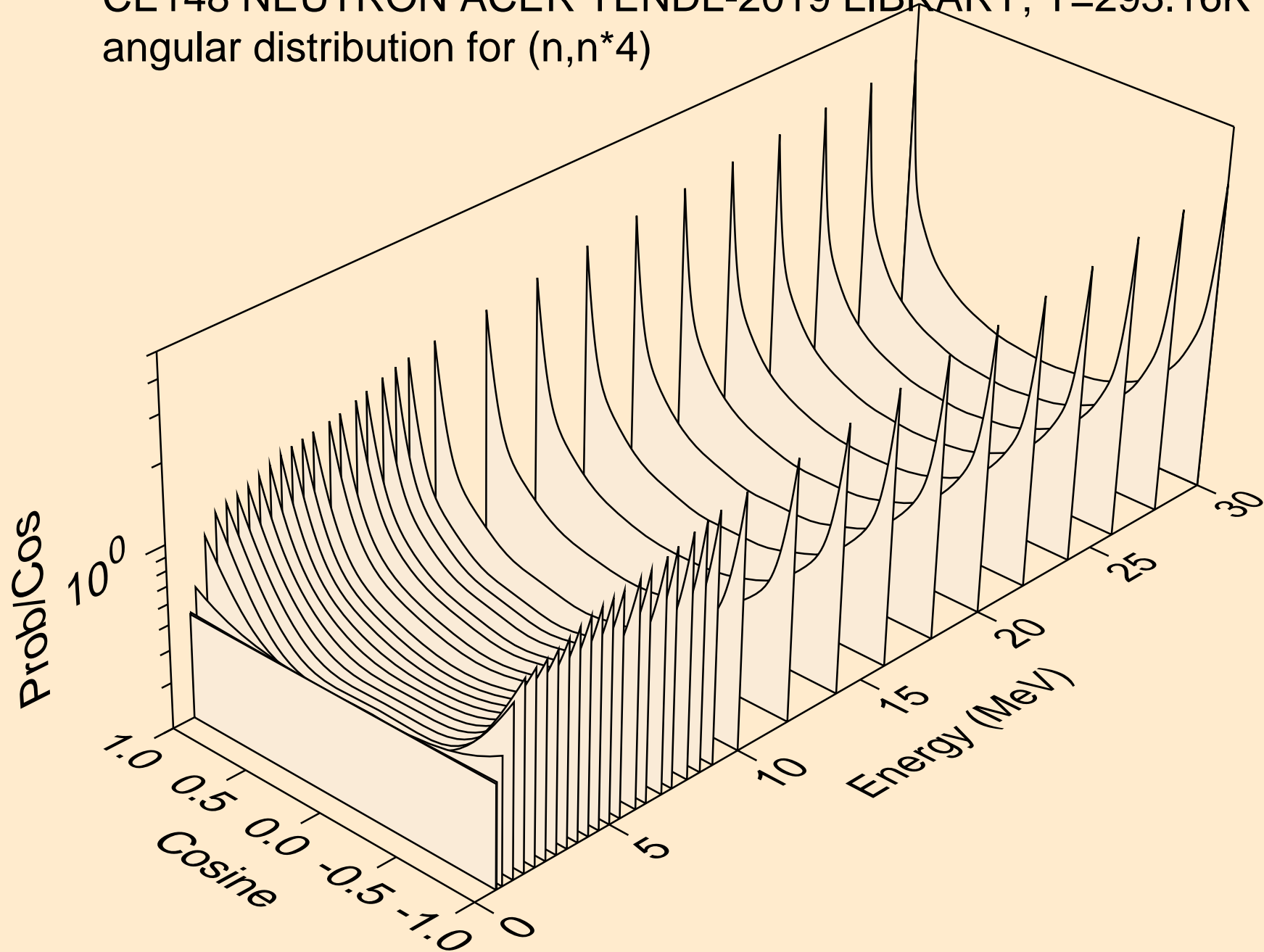




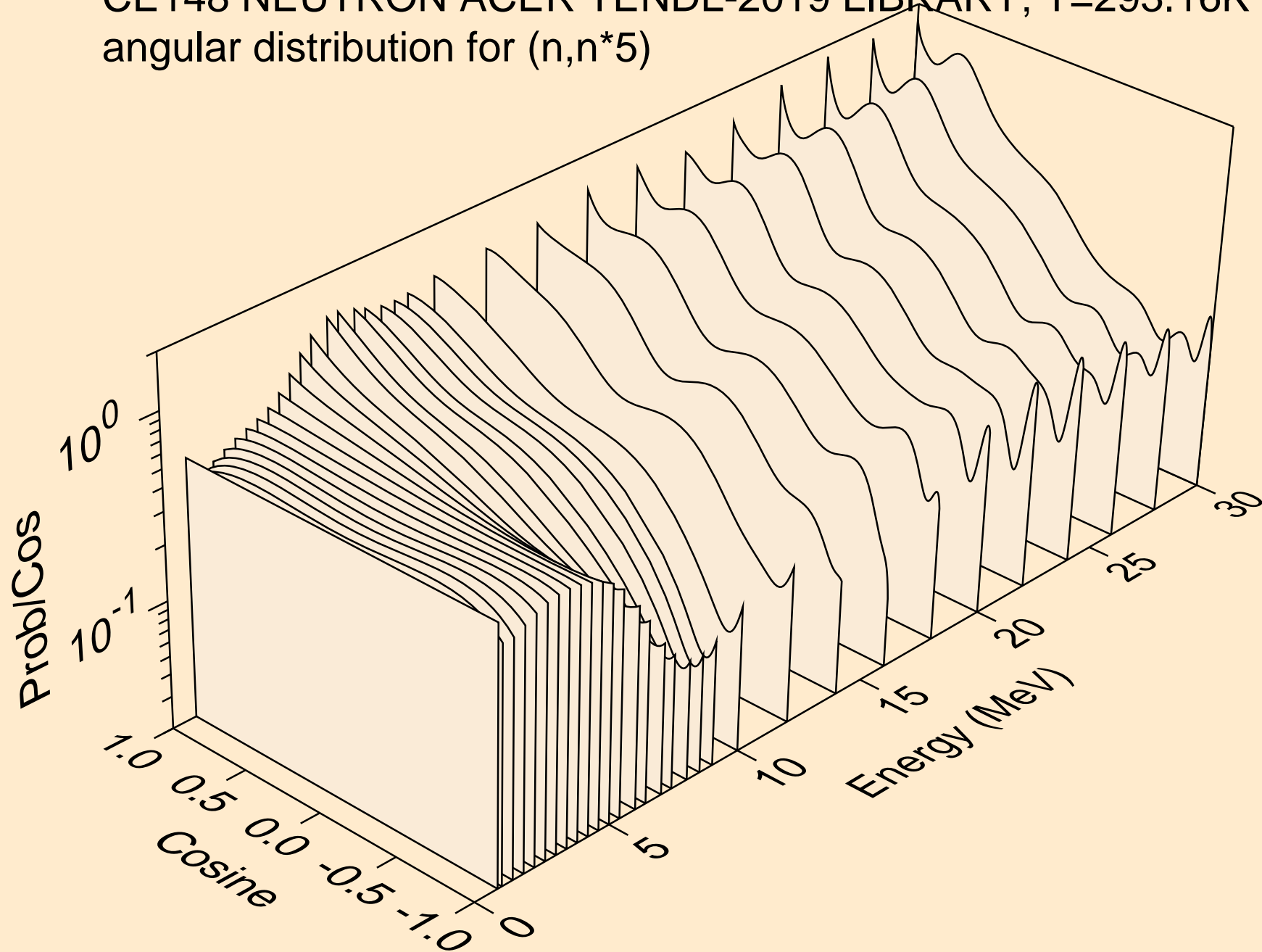
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angular distribution for (n,n\*3)



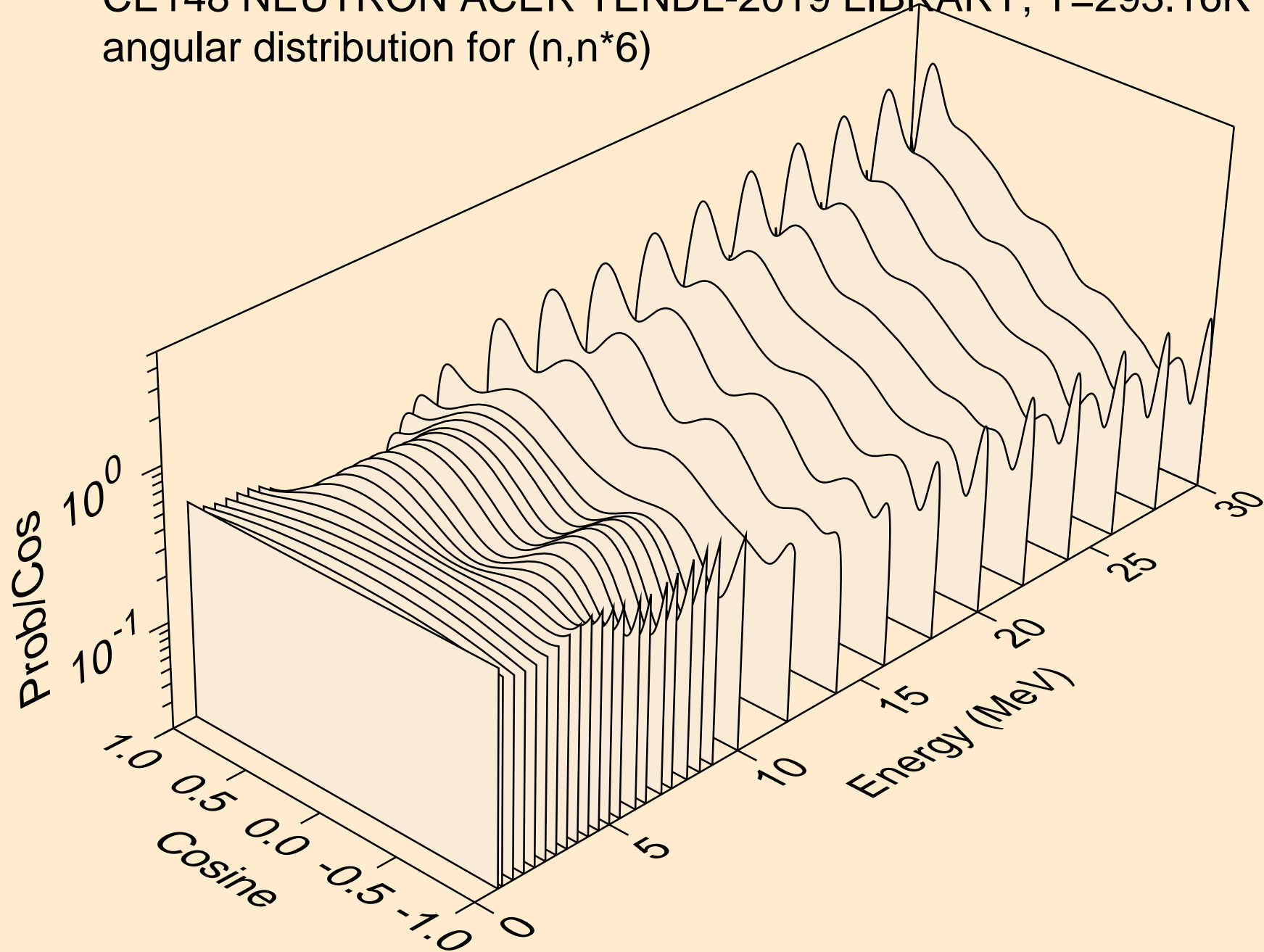
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angular distribution for (n,n\*4)



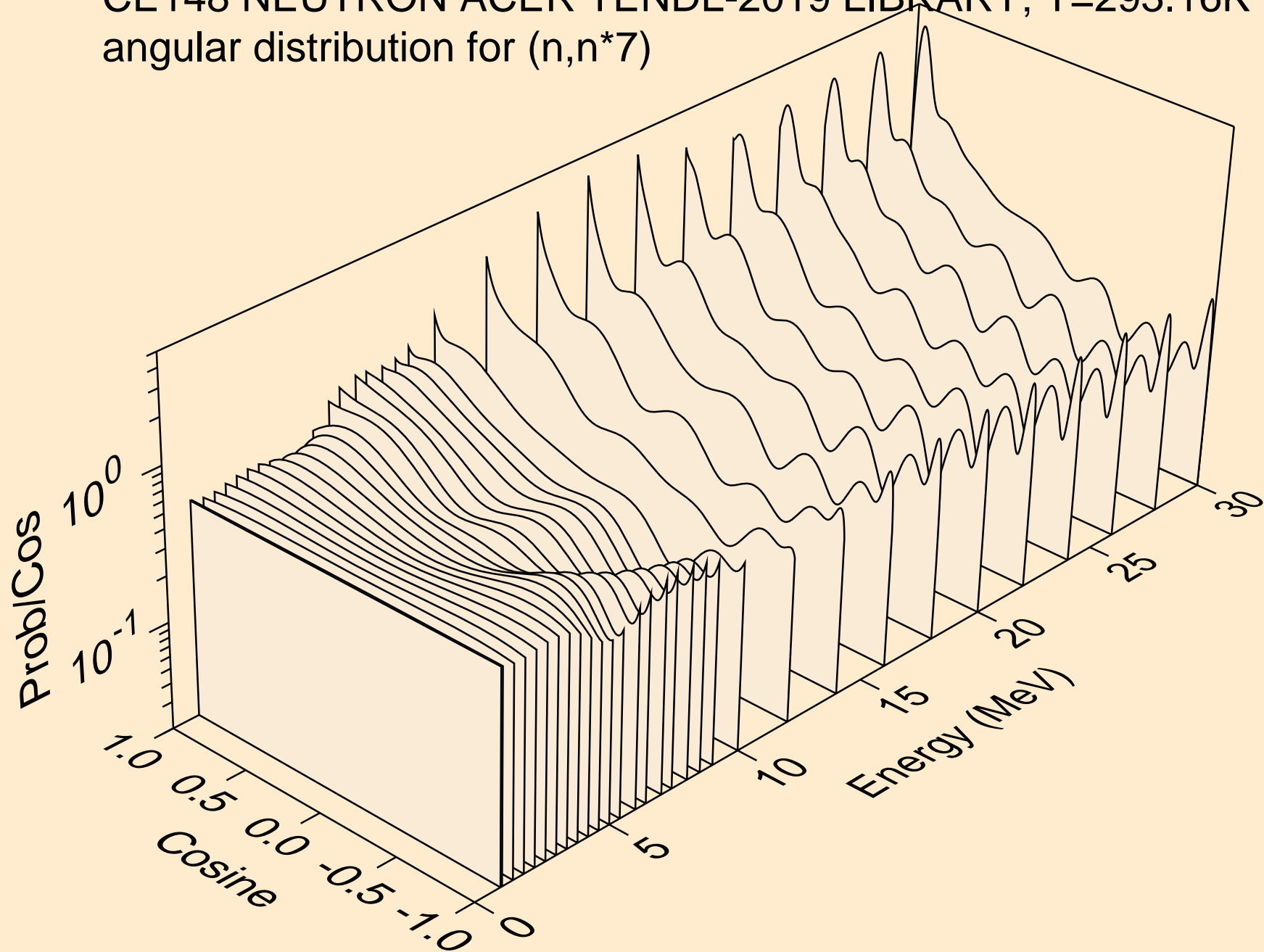
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angular distribution for (n,n\*5)



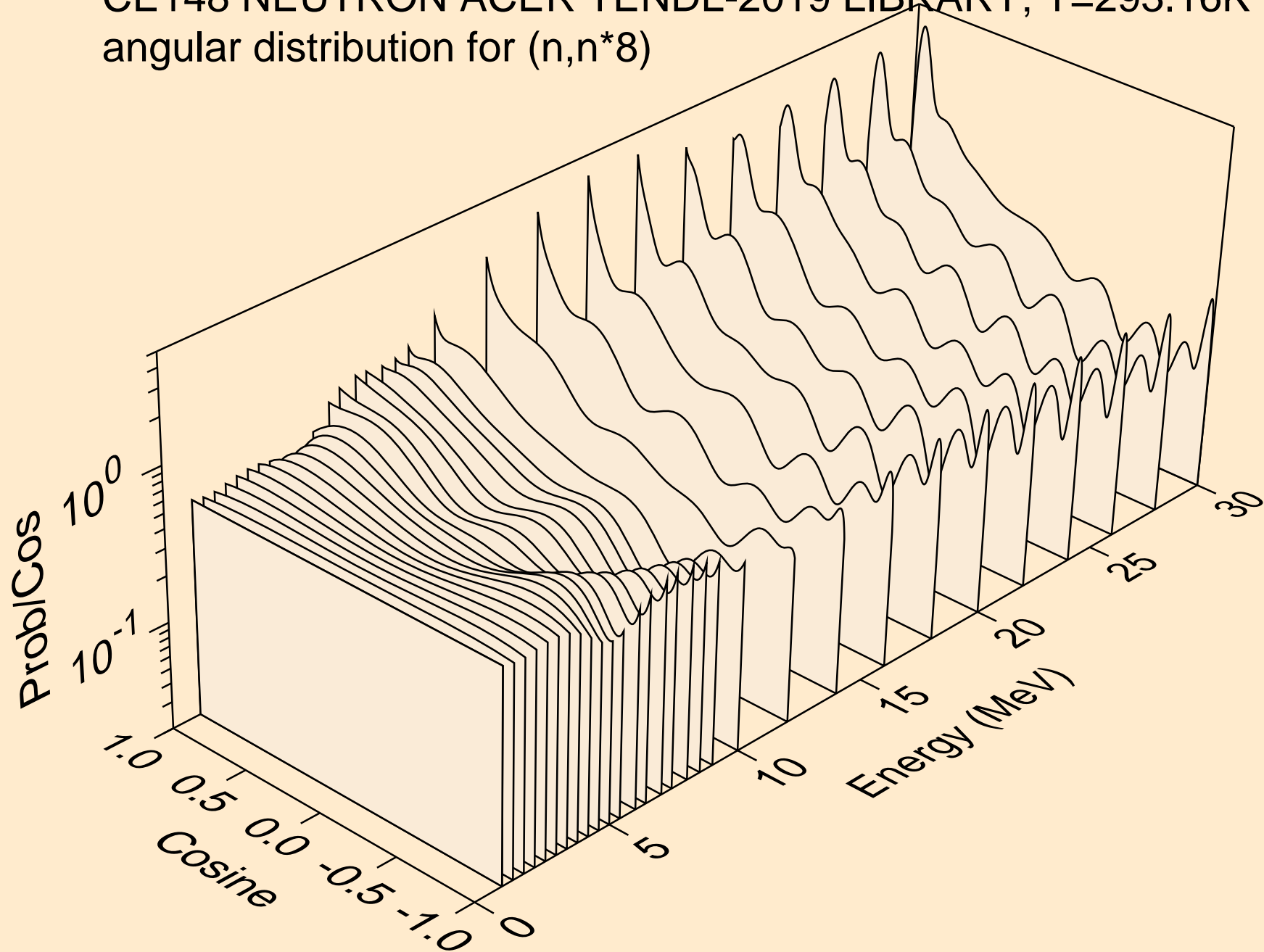
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*6)



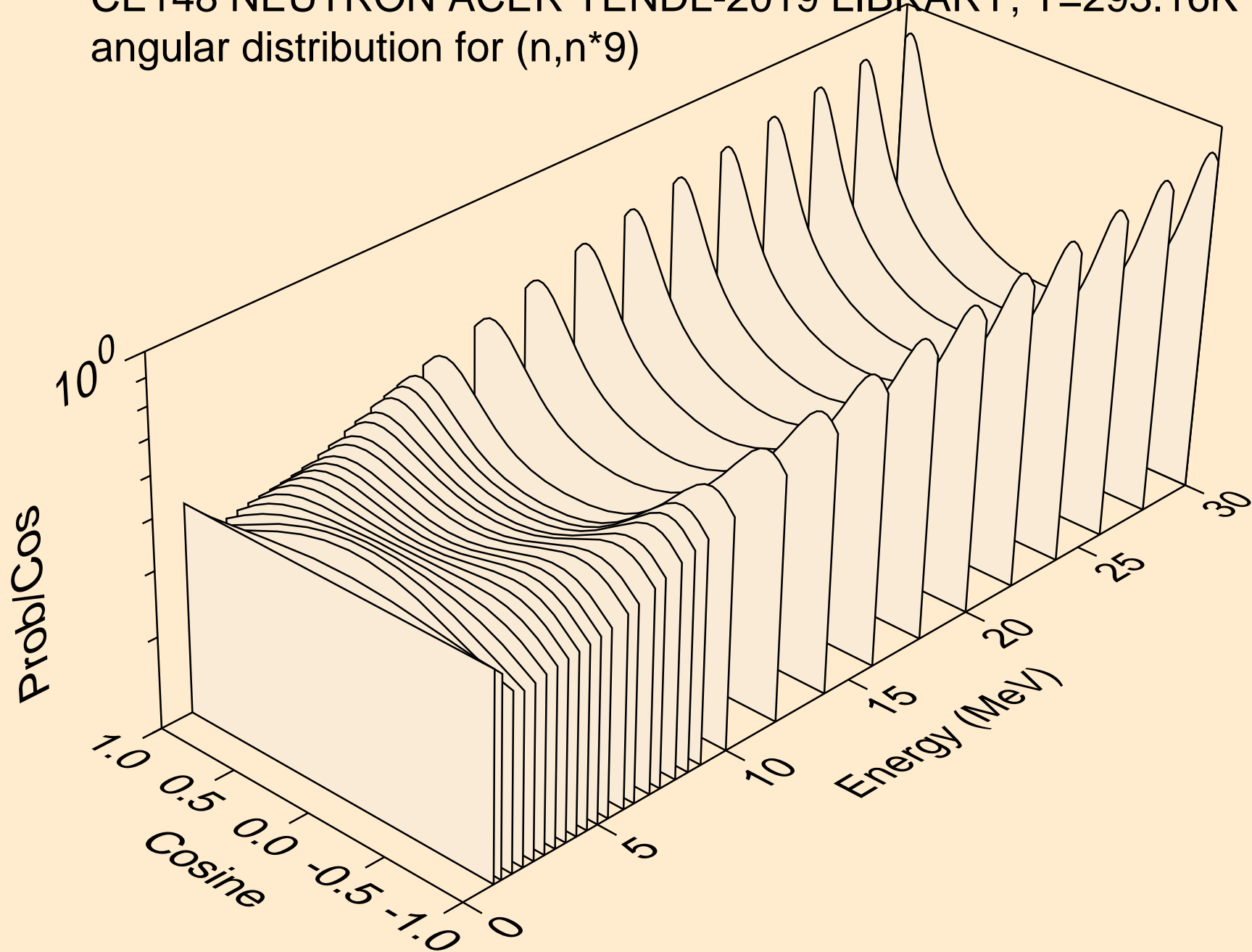
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)



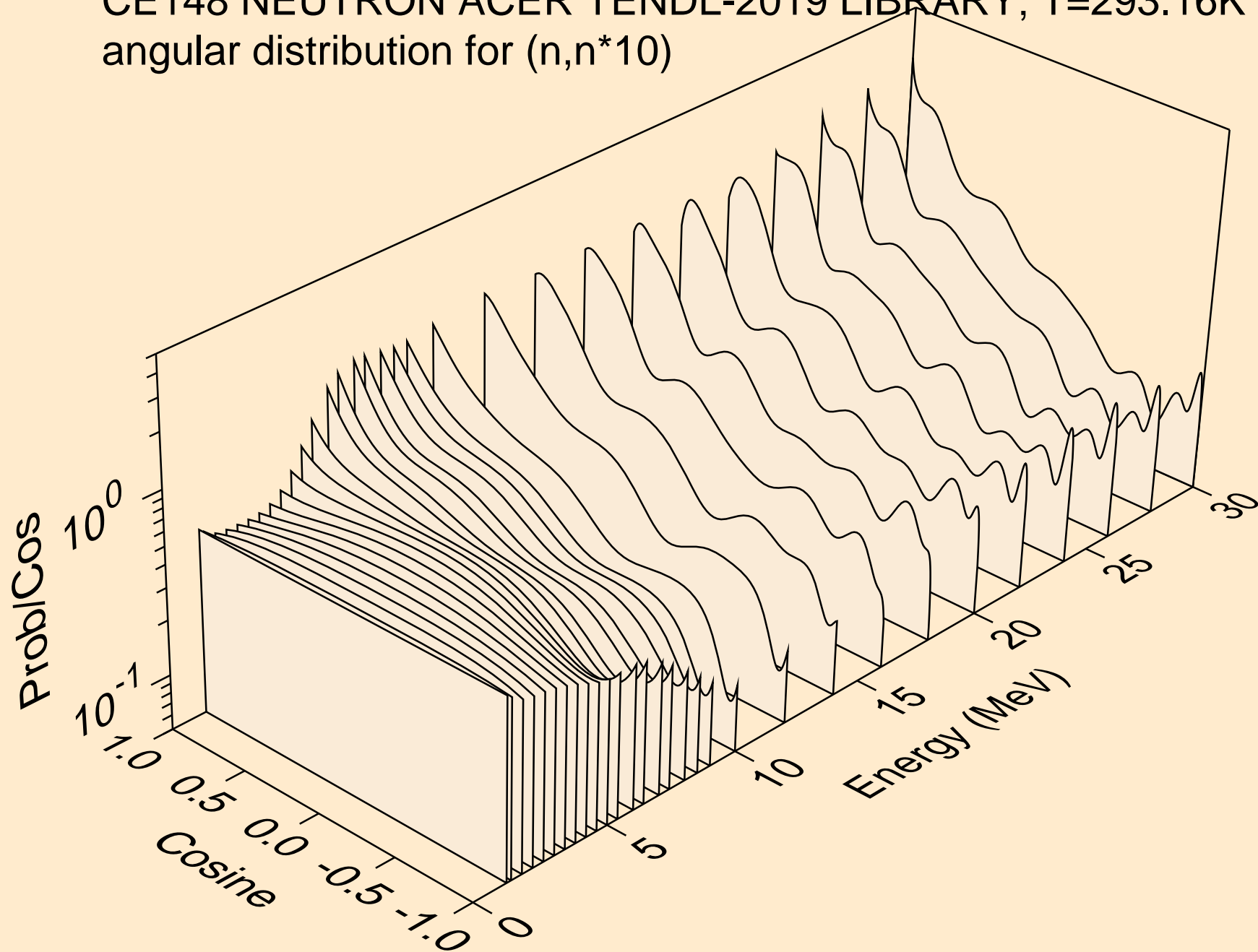
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)



CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)

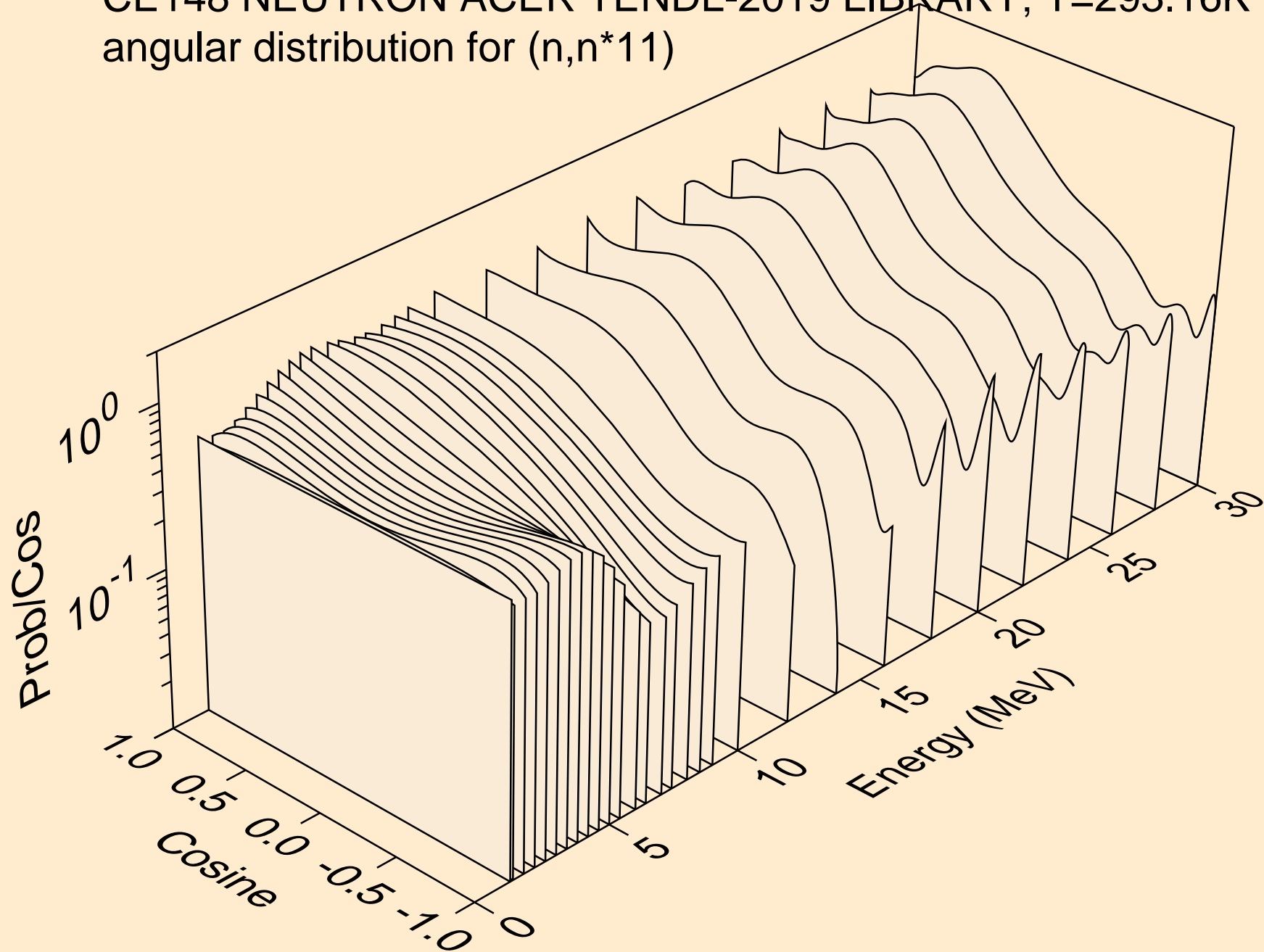


CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*10)

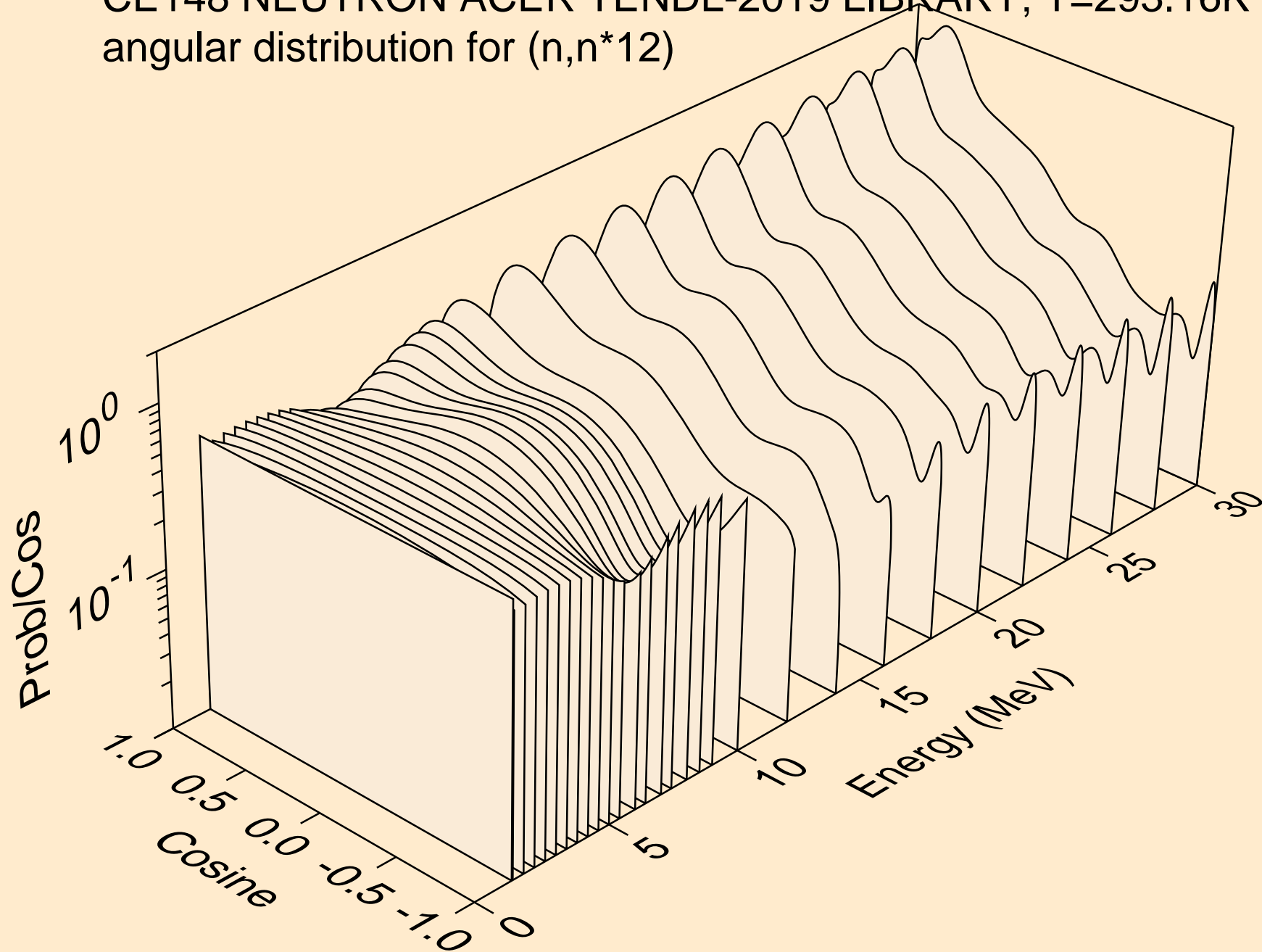




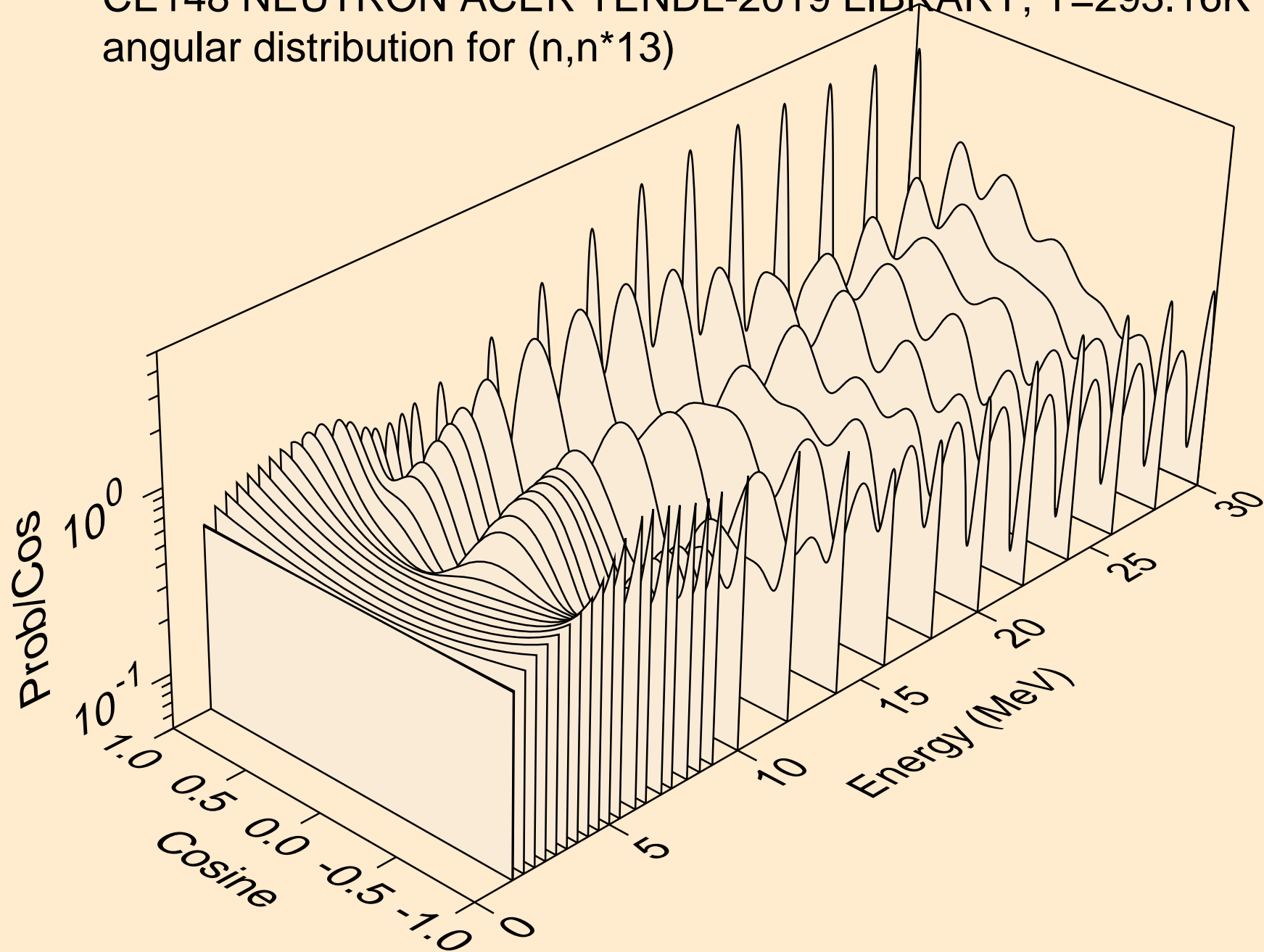
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*11)



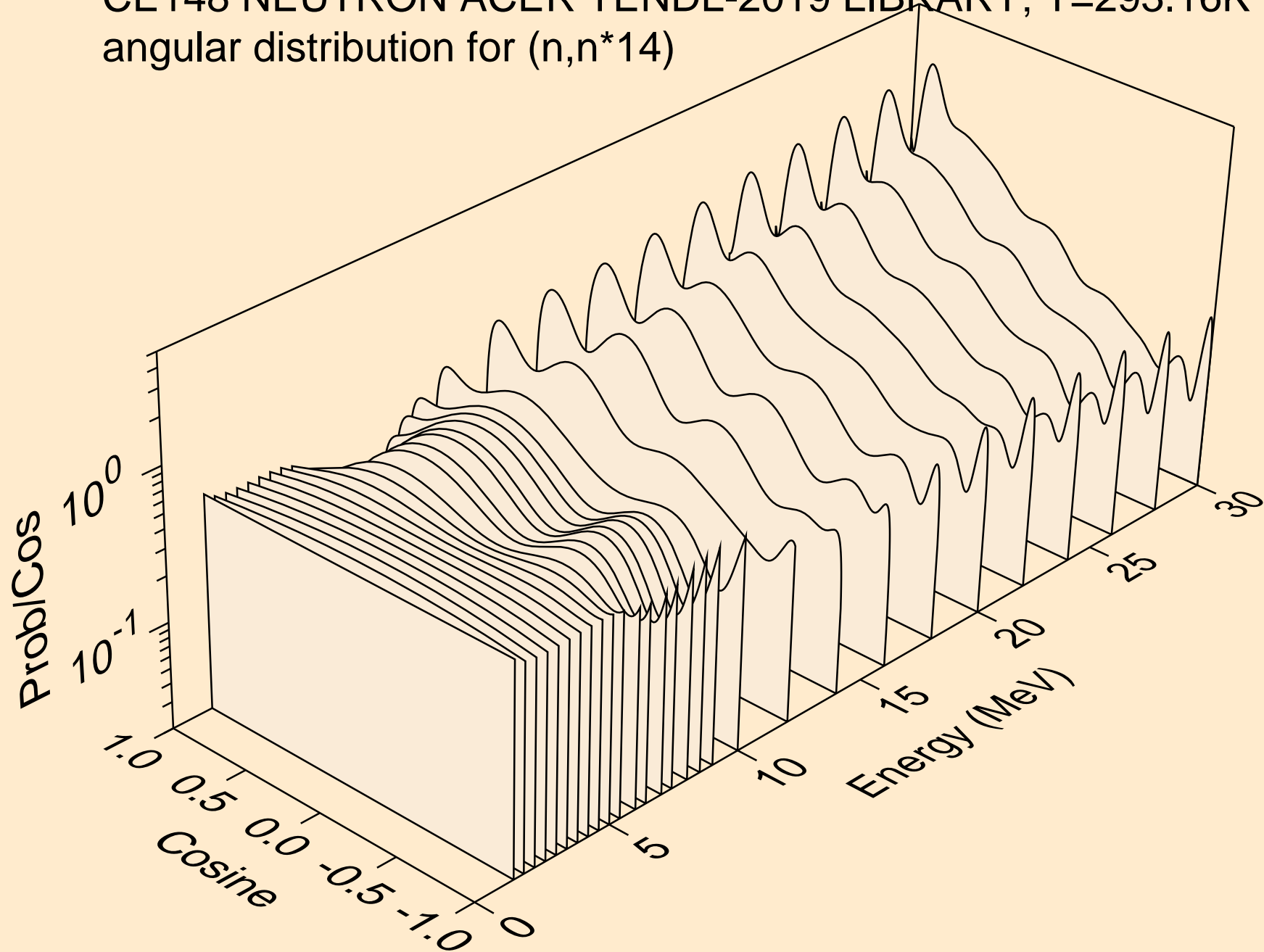
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*12)



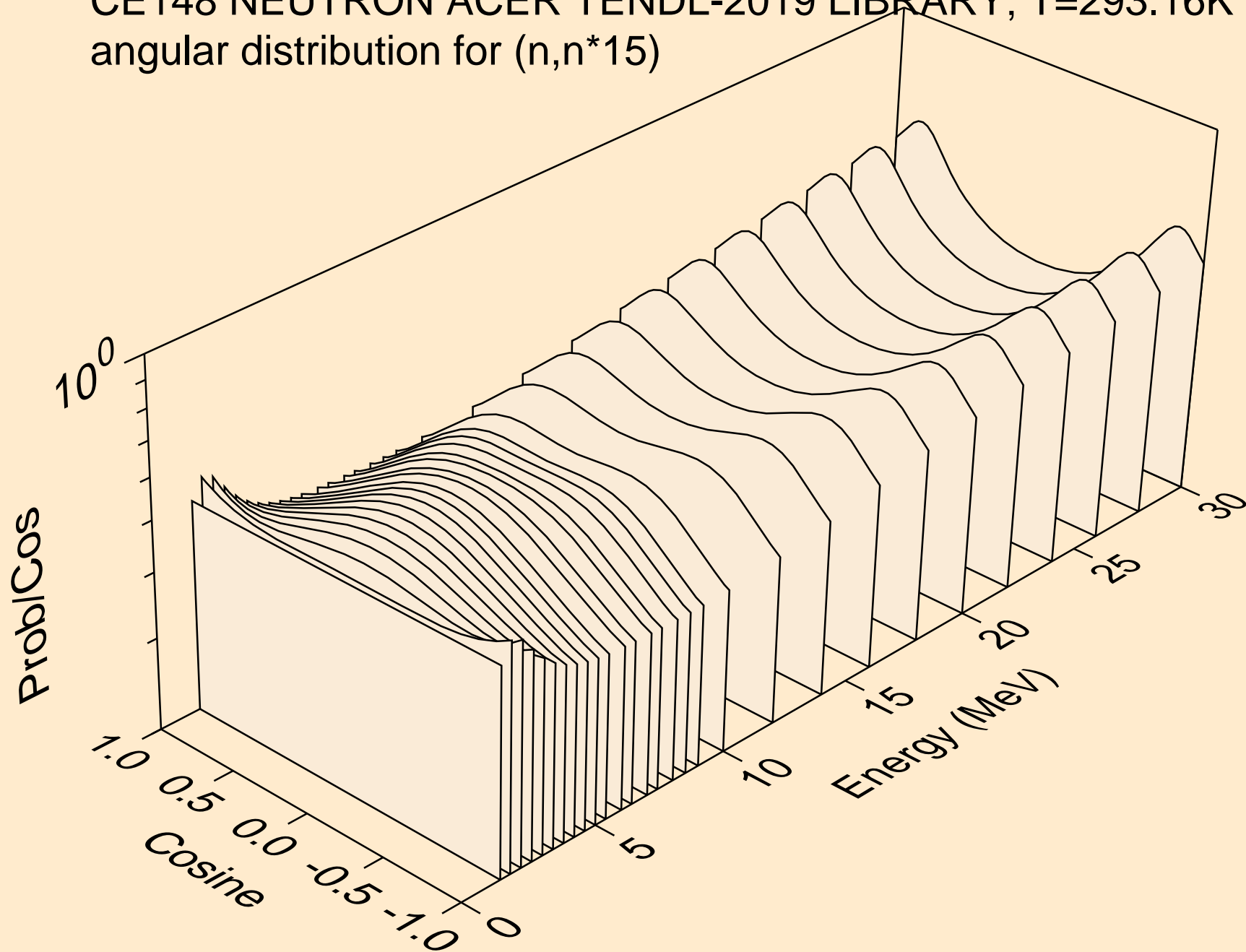
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*13)



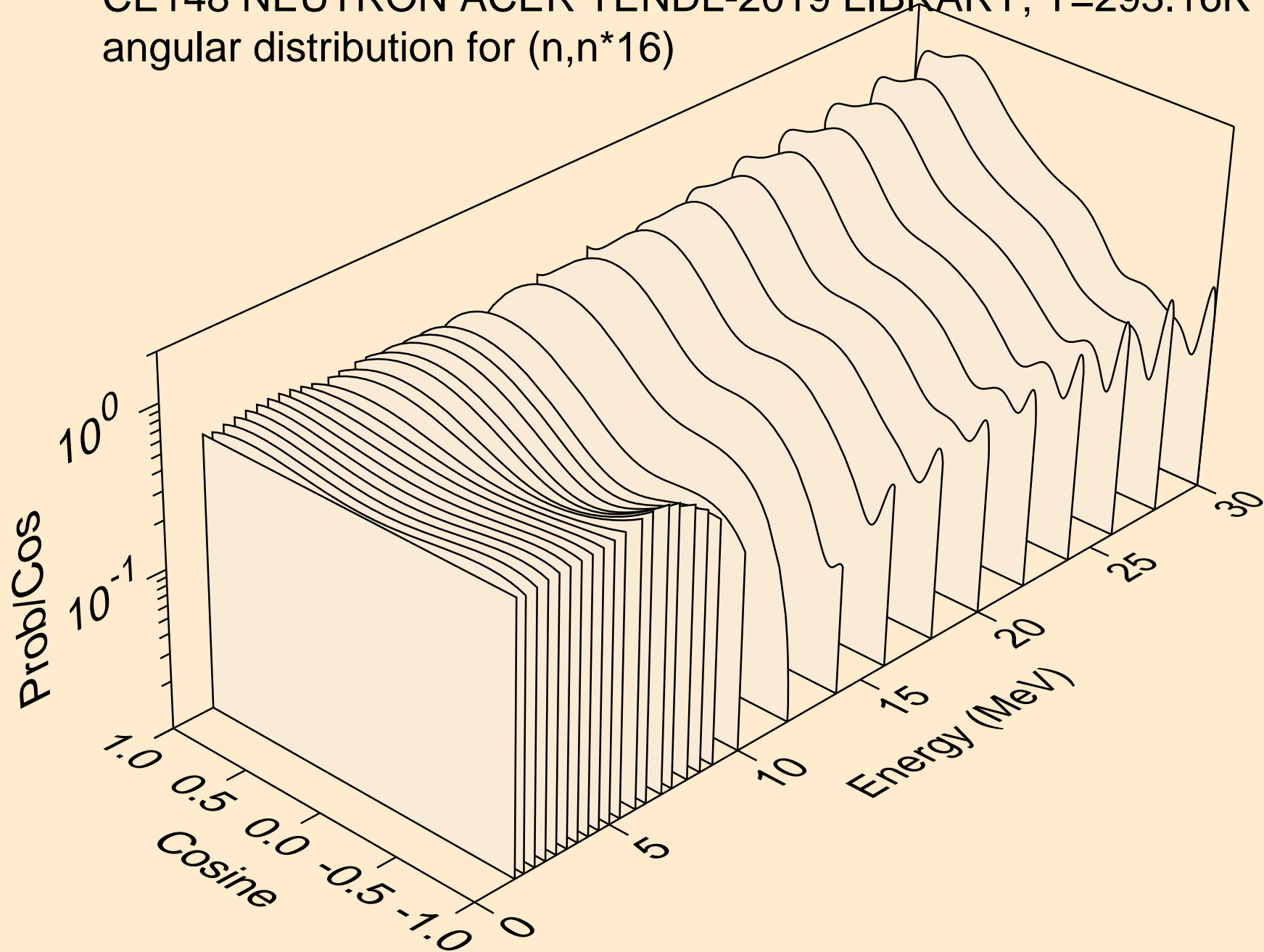
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angular distribution for (n,n\*14)



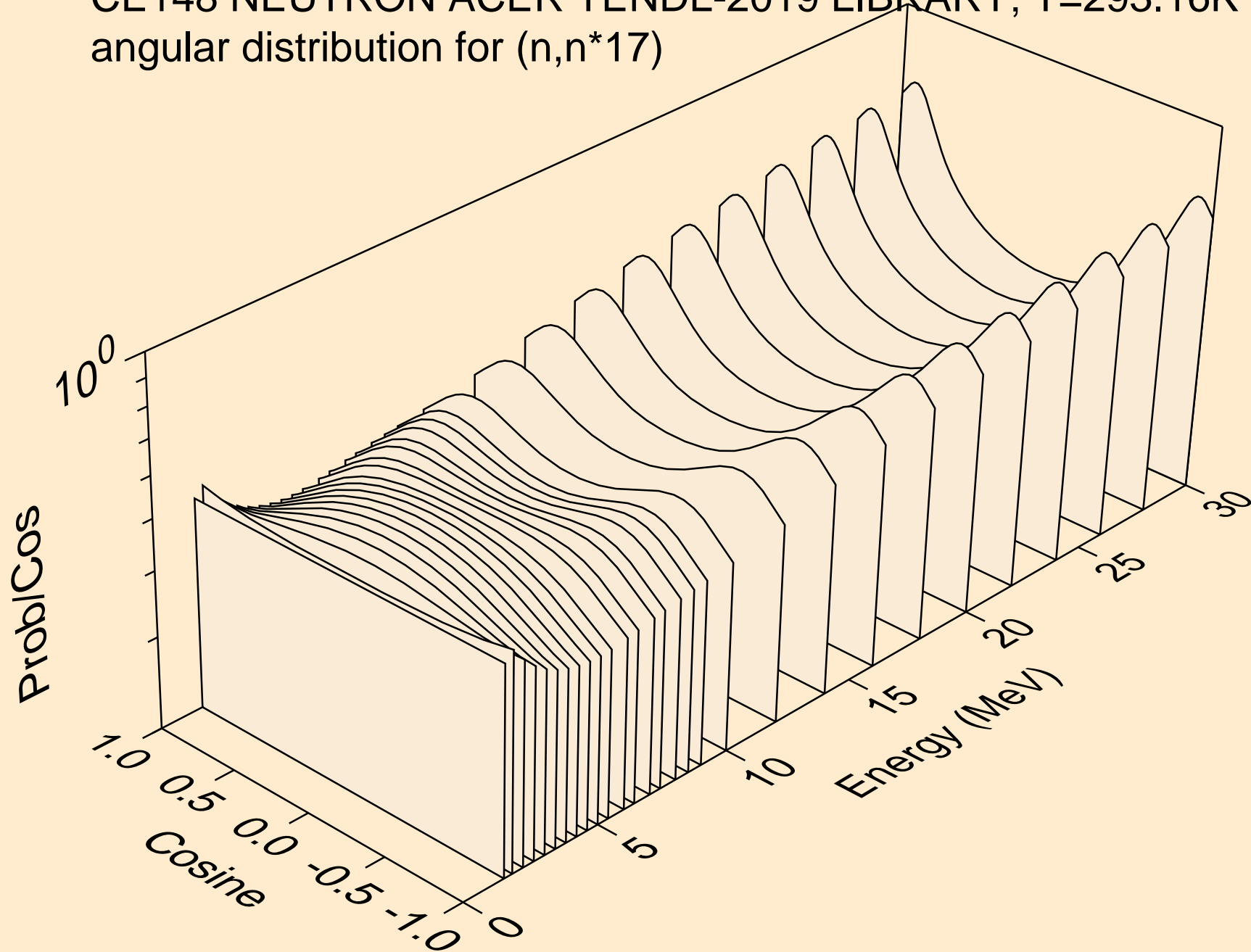
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angular distribution for (n,n\*15)



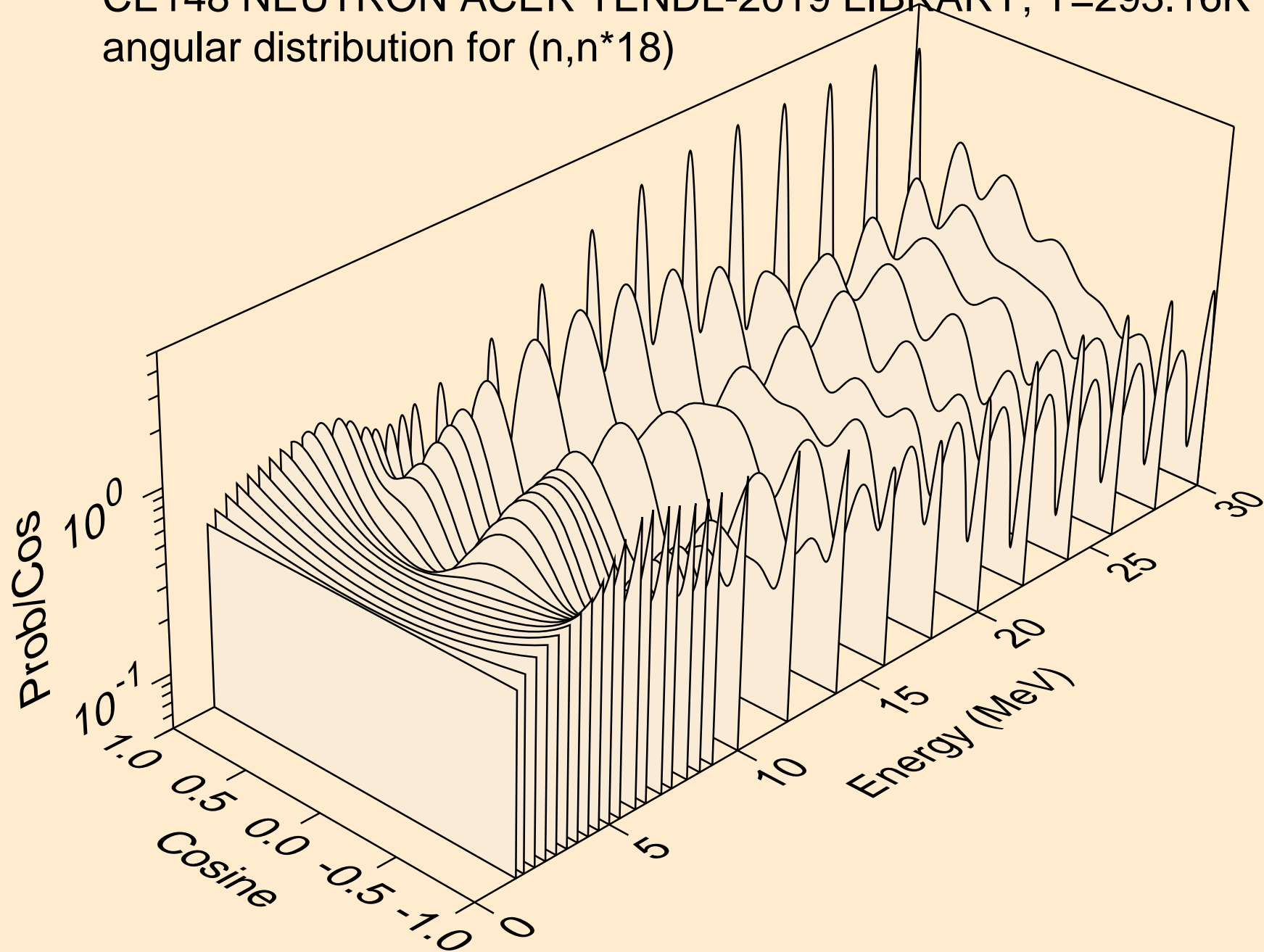
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*16)



CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*17)

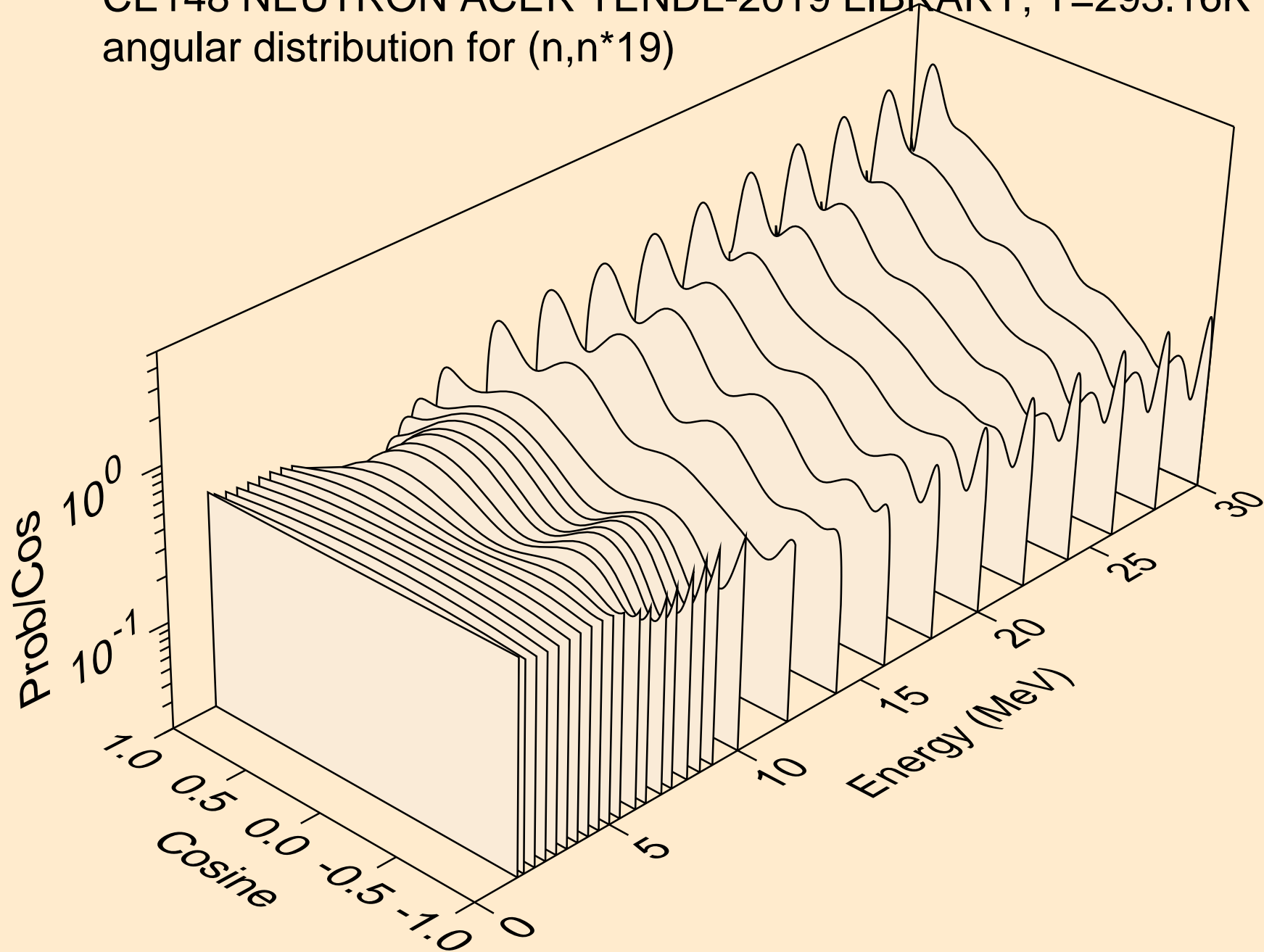


CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*18)

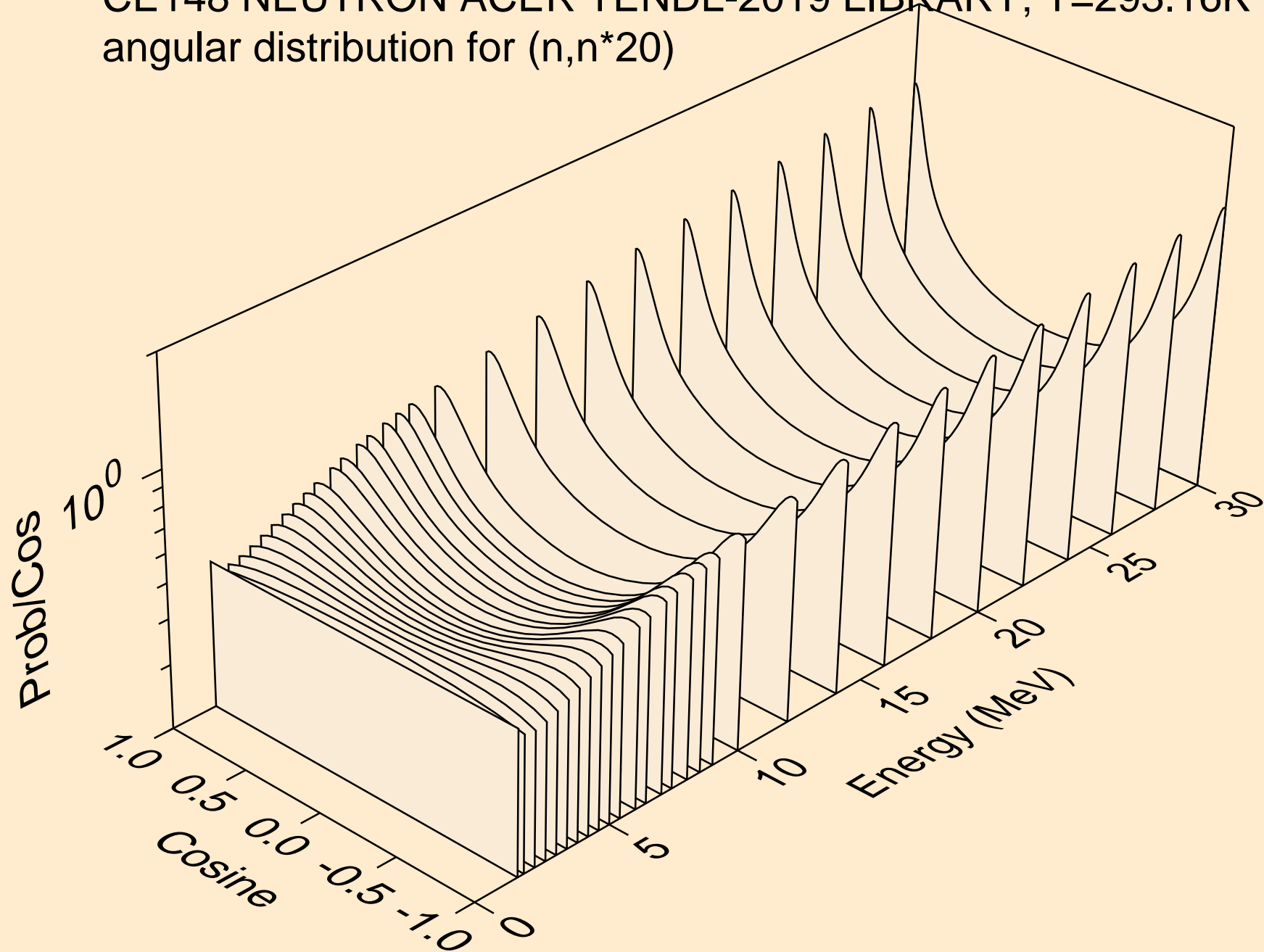




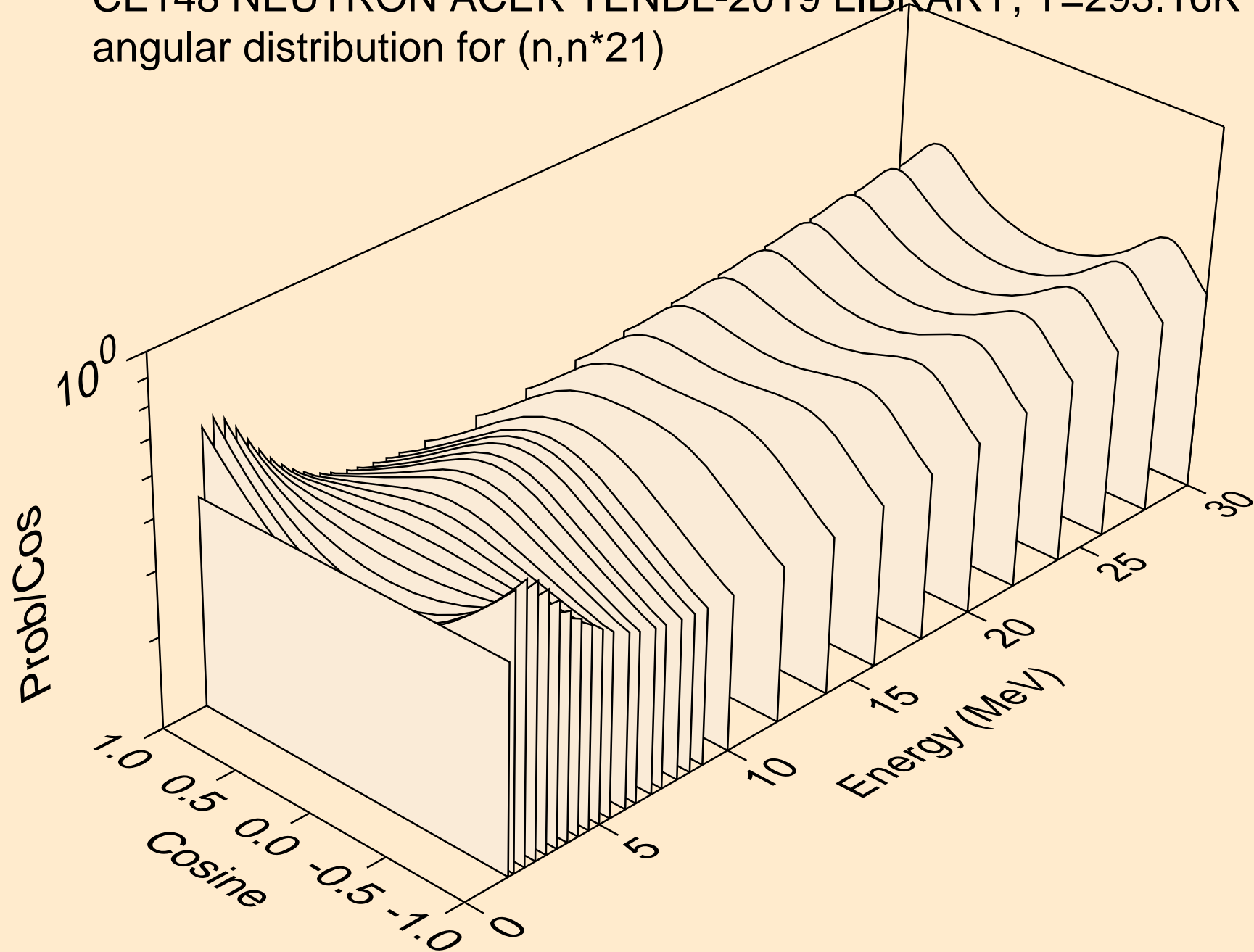
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angular distribution for (n,n\*19)



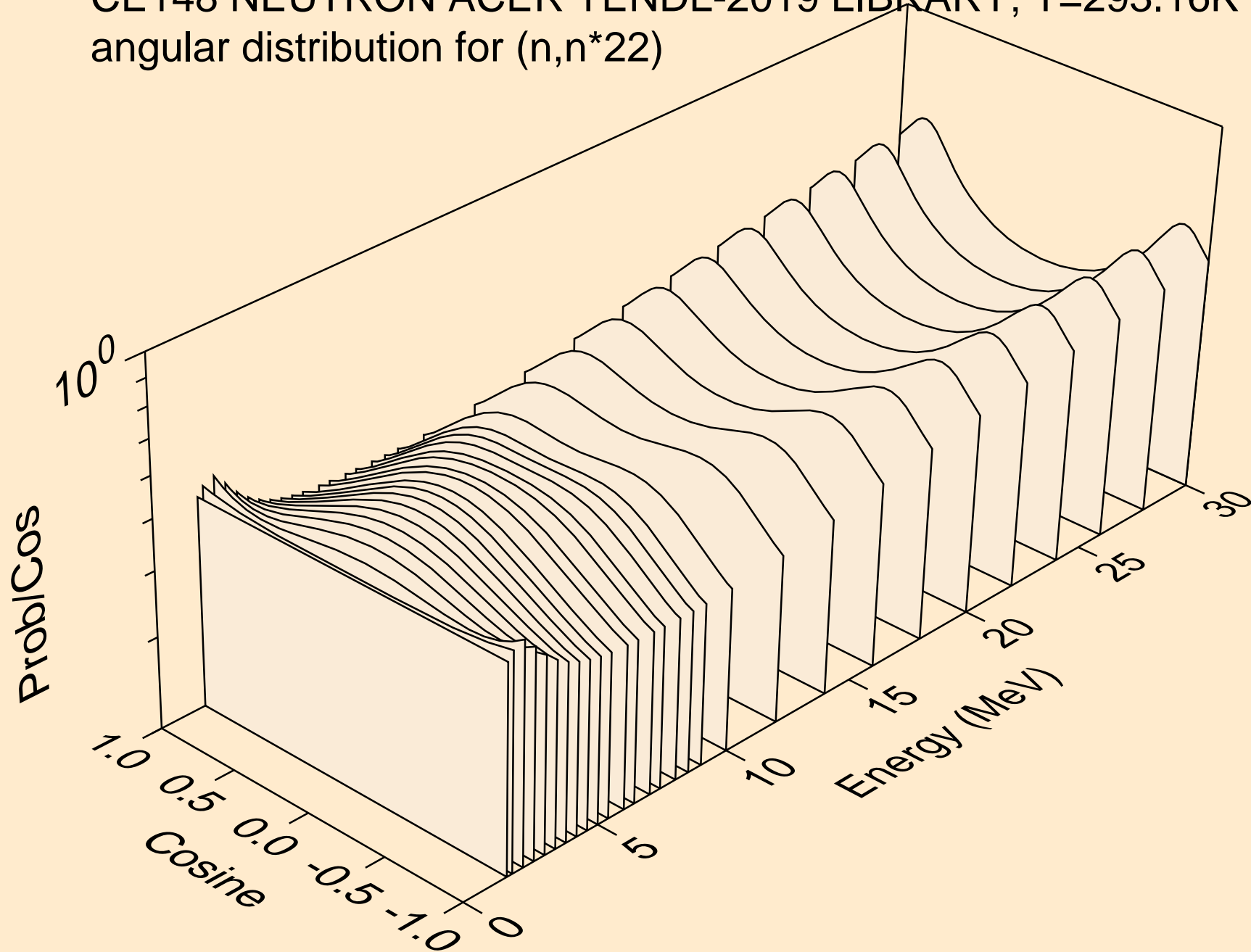
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*20)



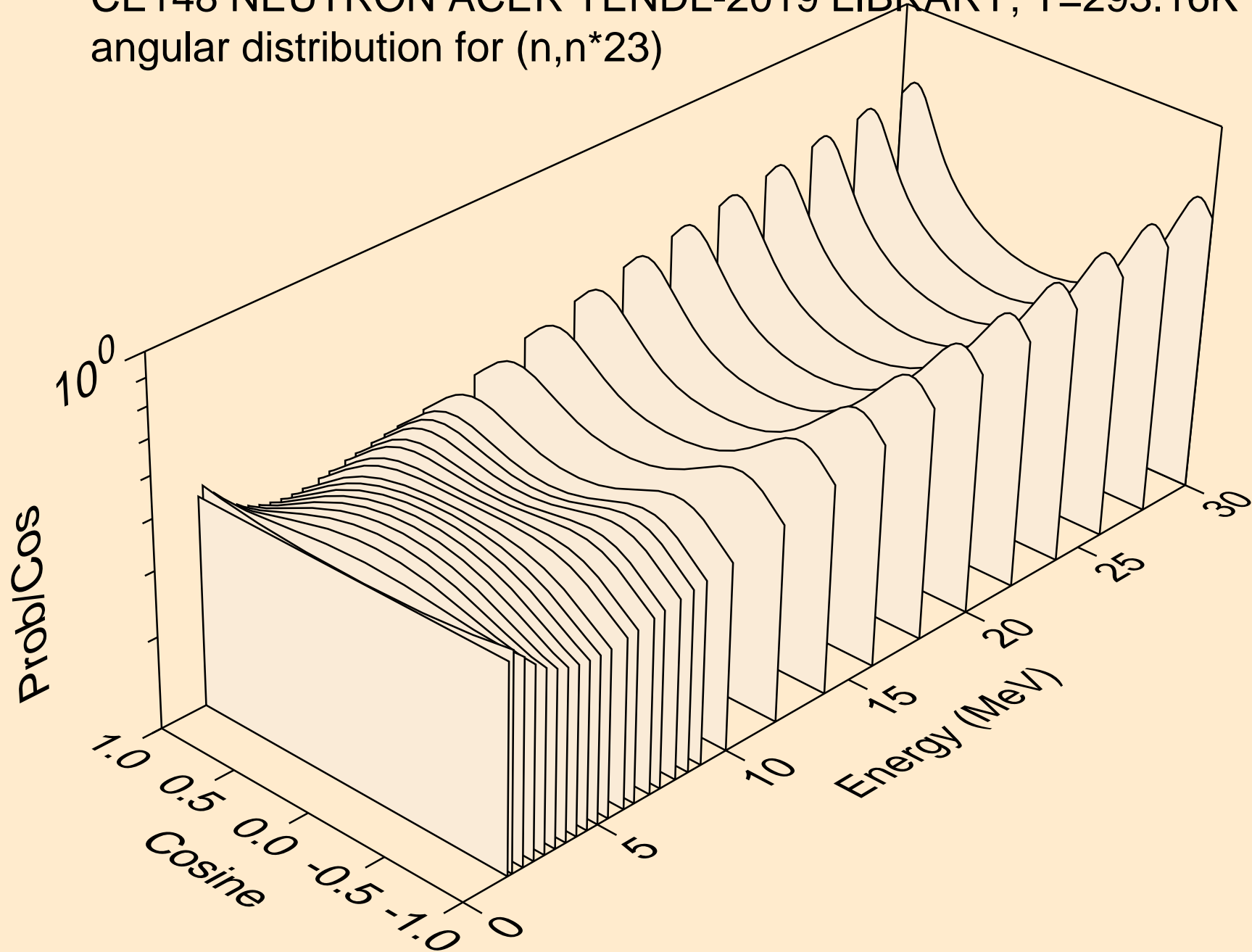
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angular distribution for (n,n\*21)



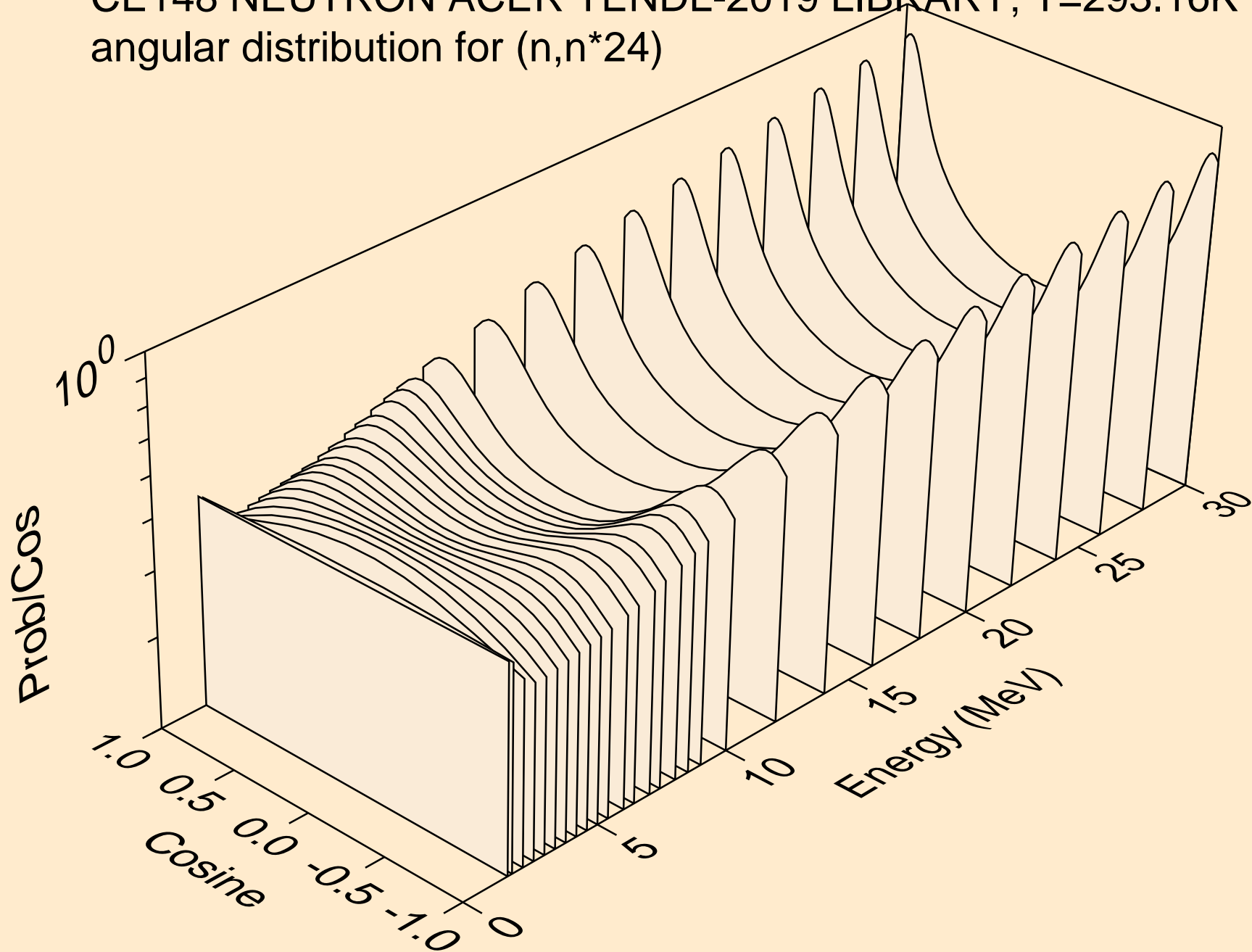
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angular distribution for (n,n\*22)



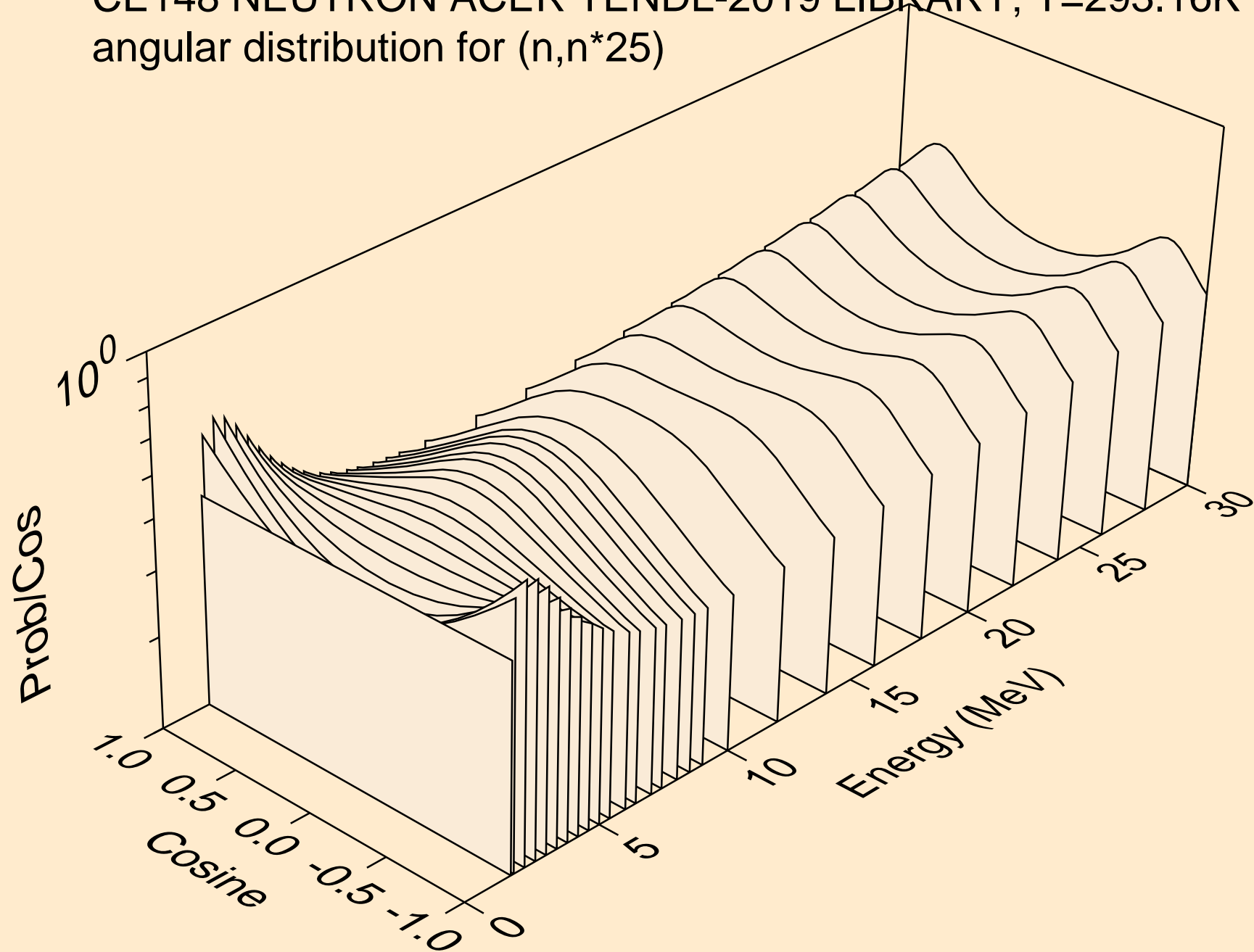
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angular distribution for (n,n\*23)



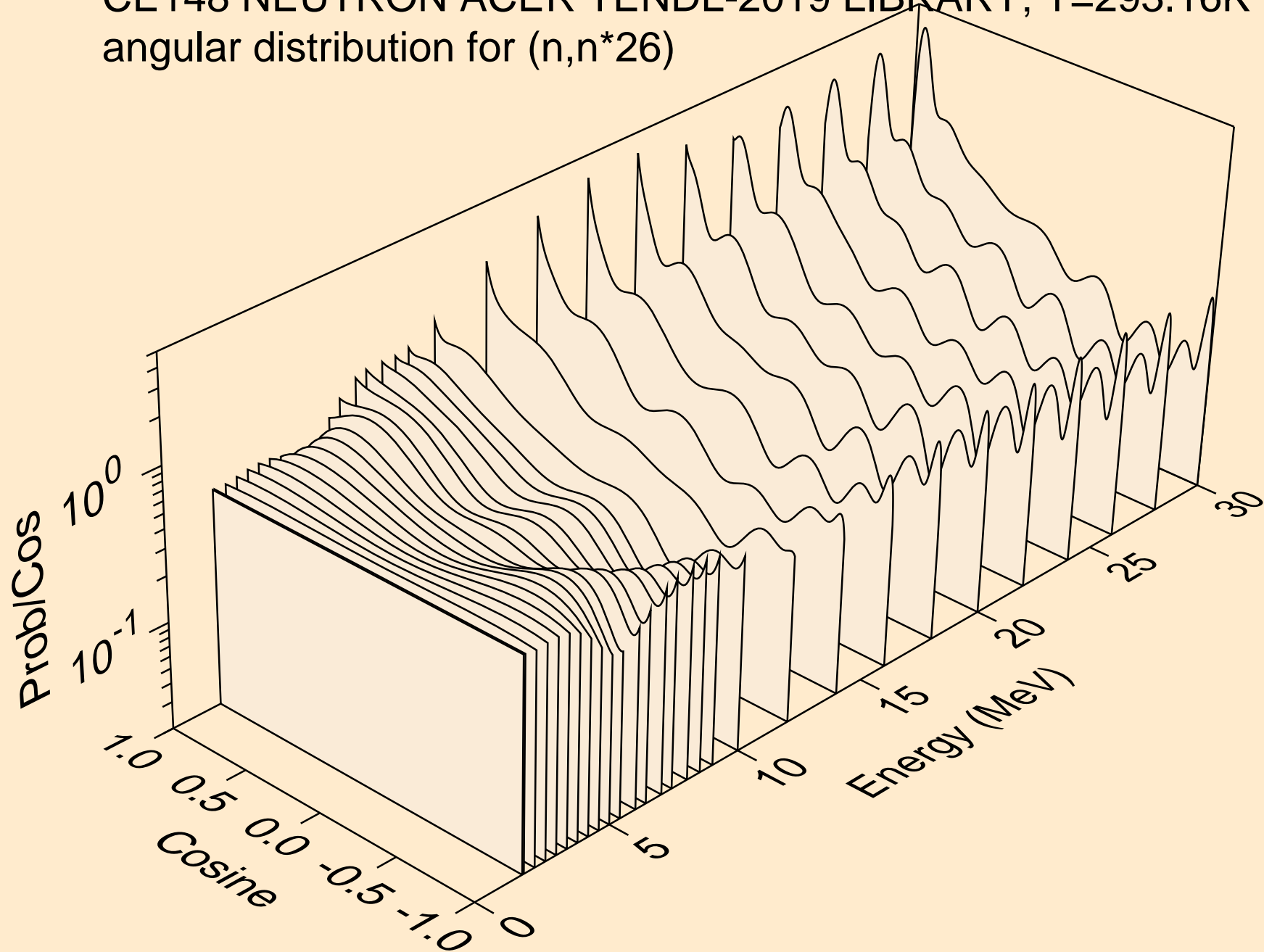
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*24)



CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*25)

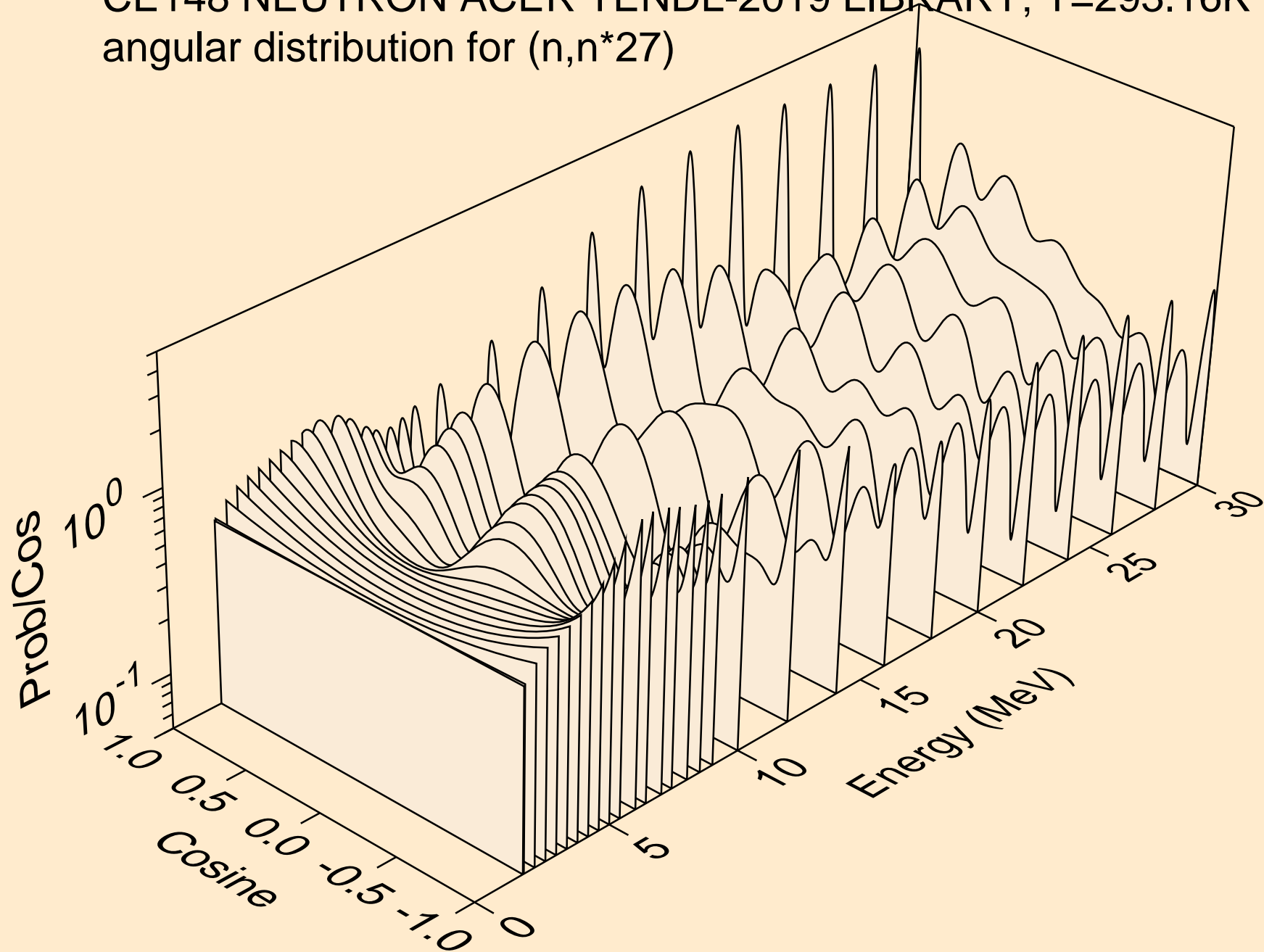


CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*26)

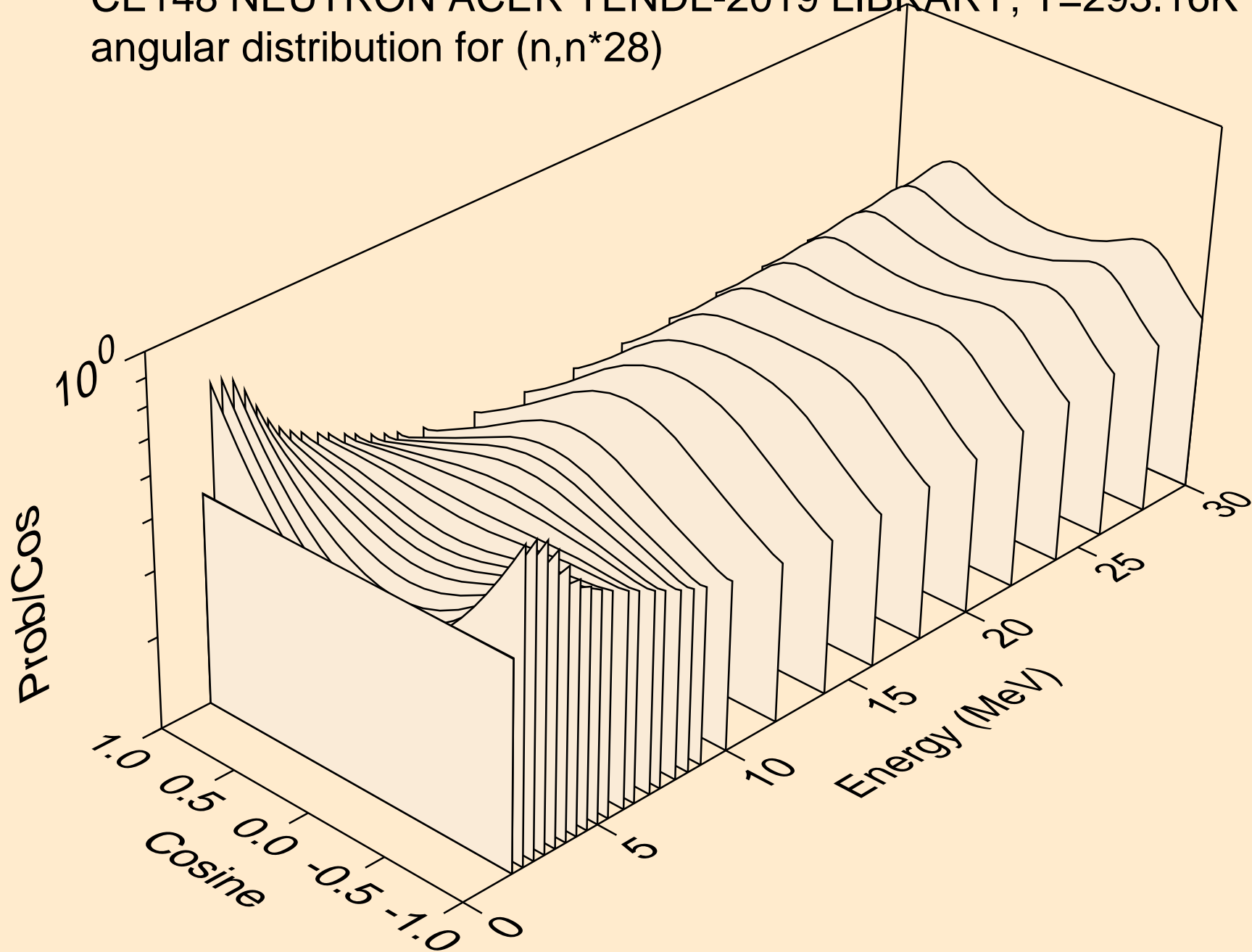




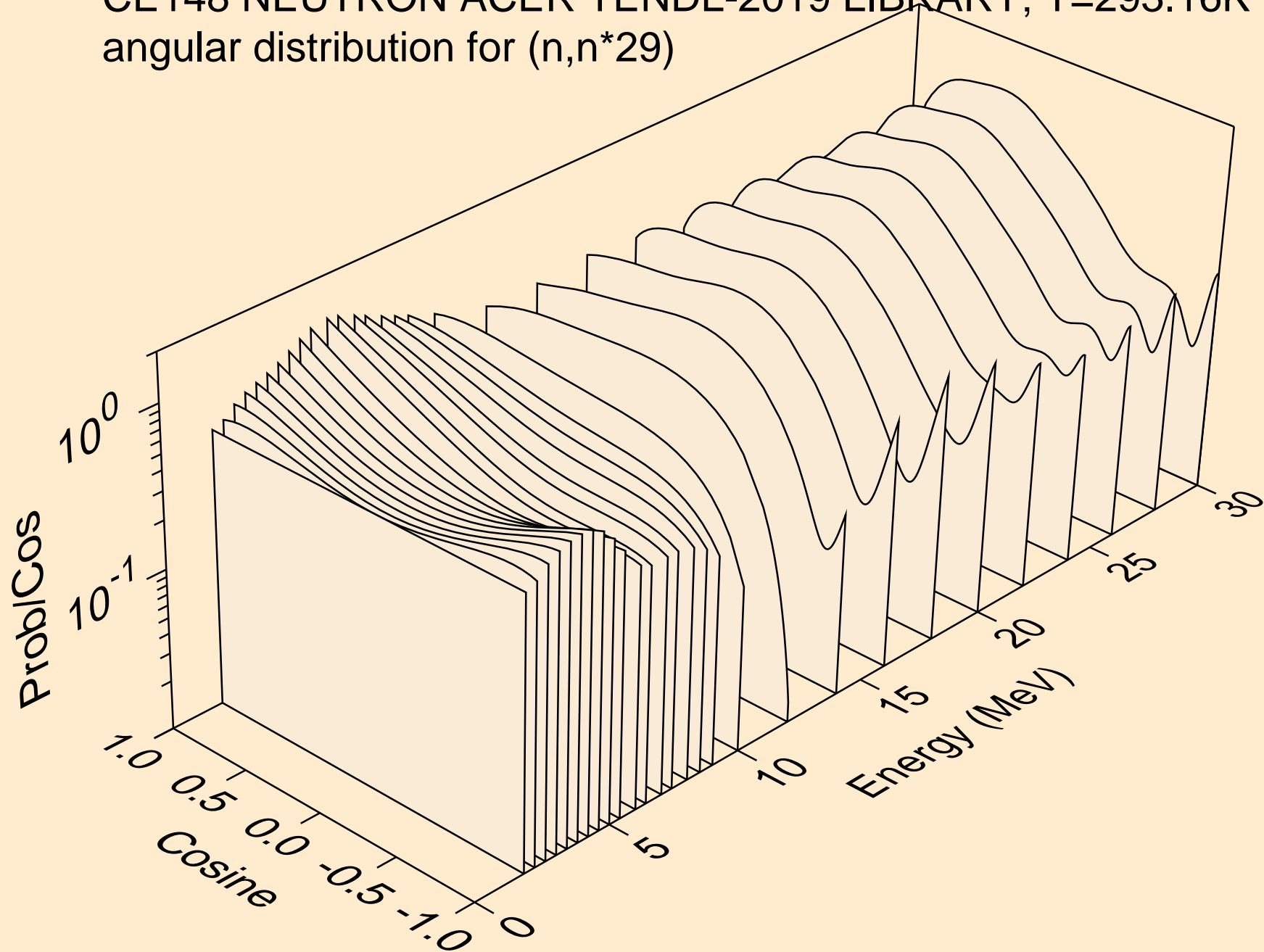
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angular distribution for (n,n\*27)



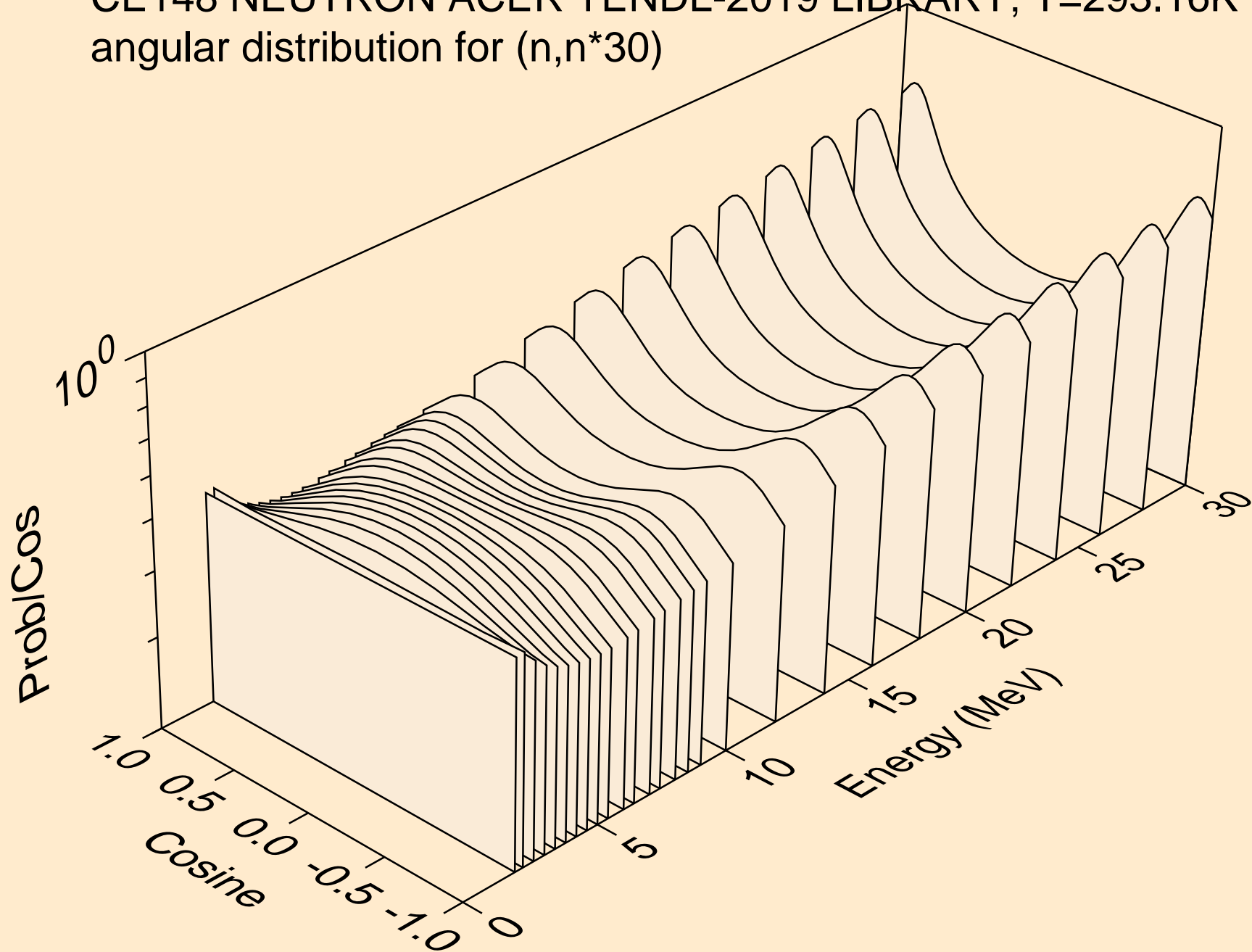
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angular distribution for (n,n\*28)



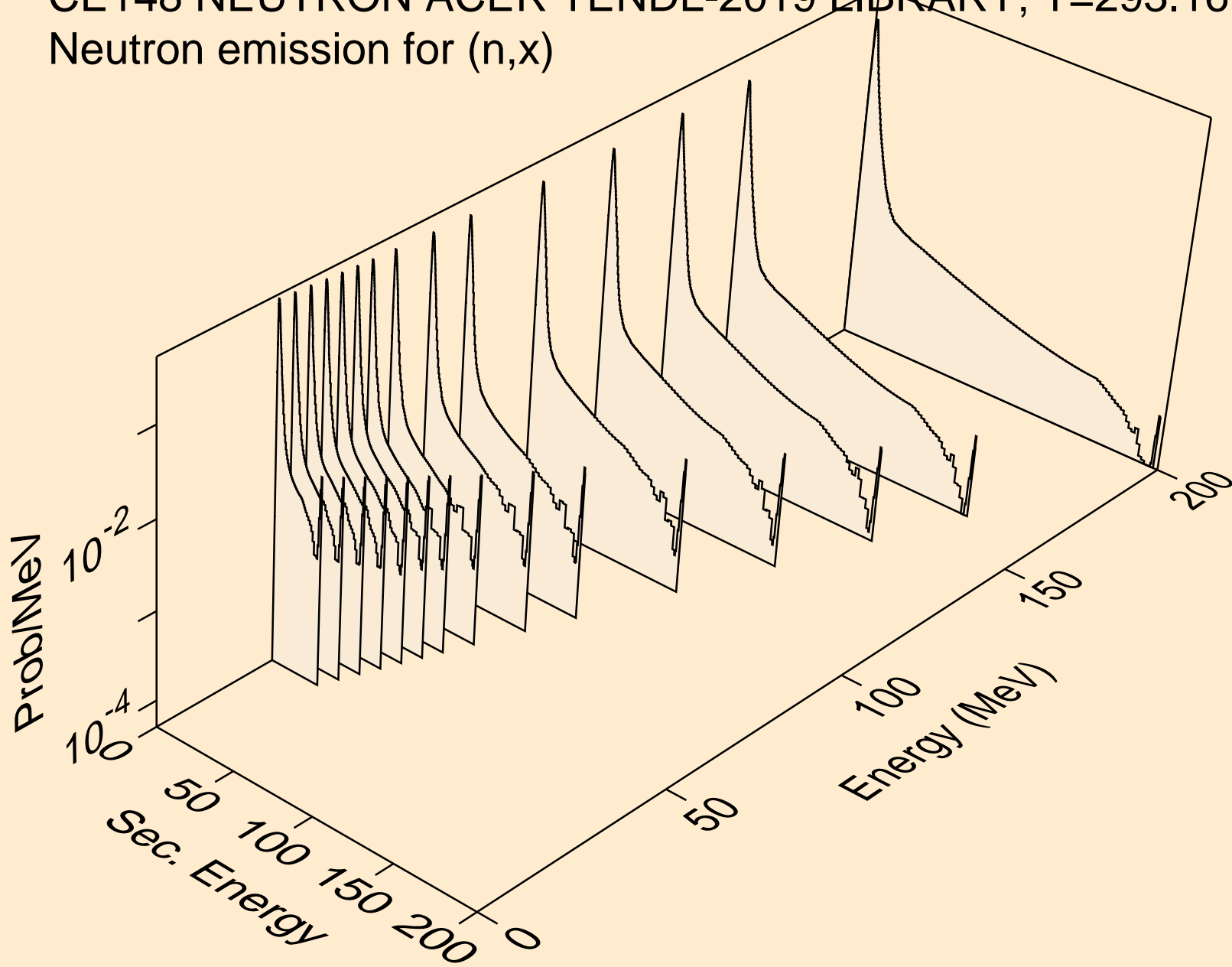
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angular distribution for (n,n\*29)



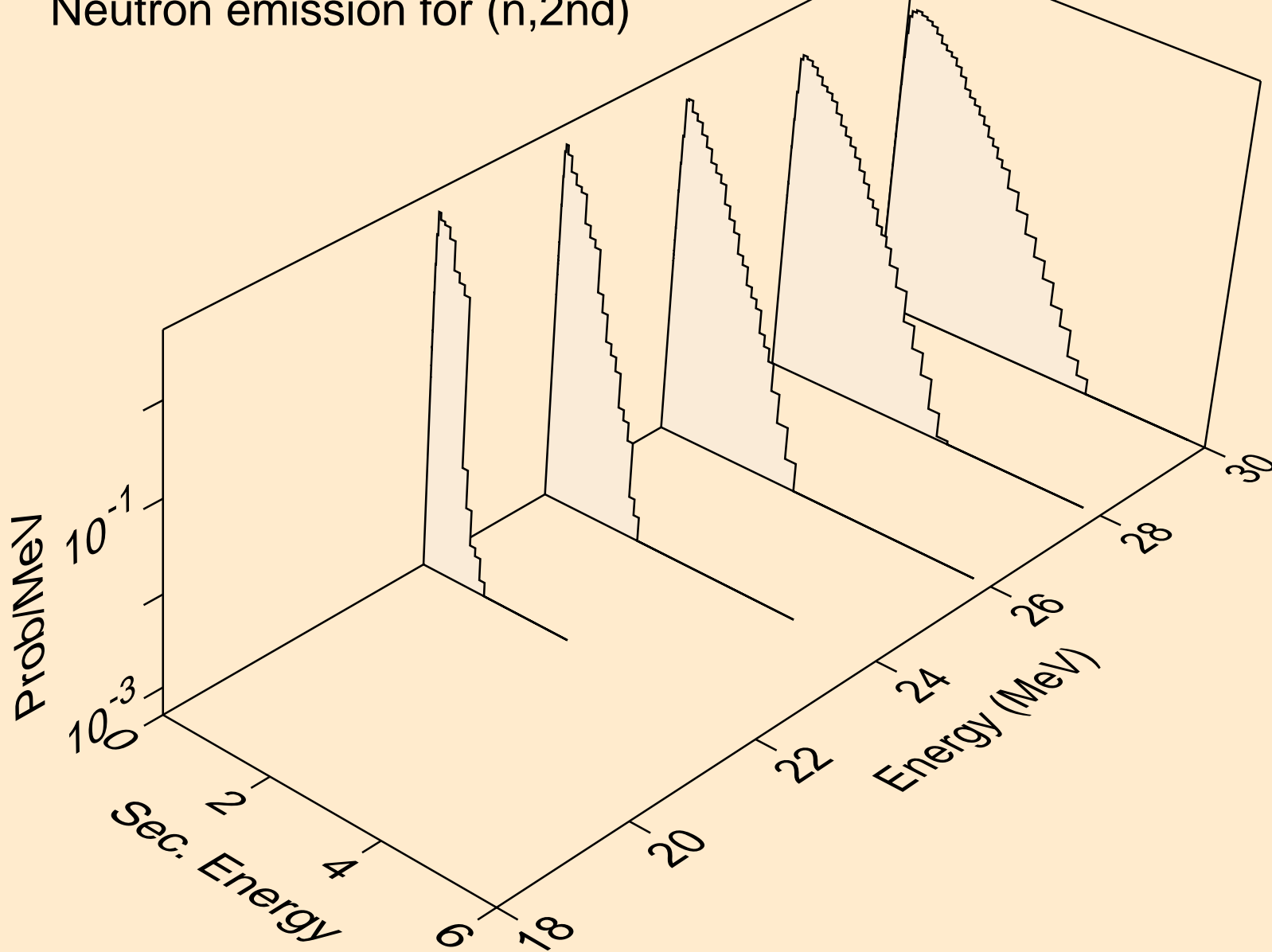
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angular distribution for (n,n\*30)



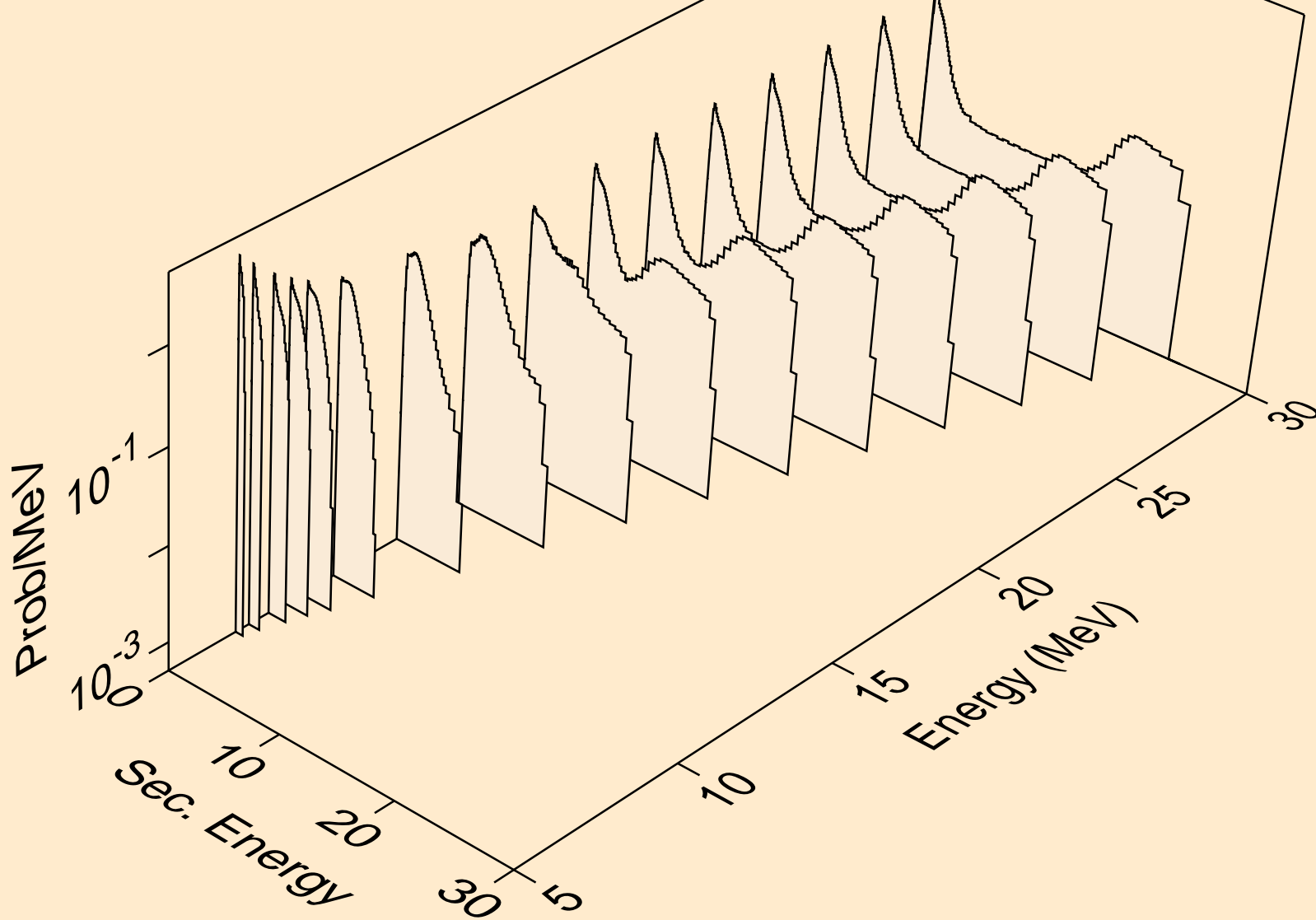
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



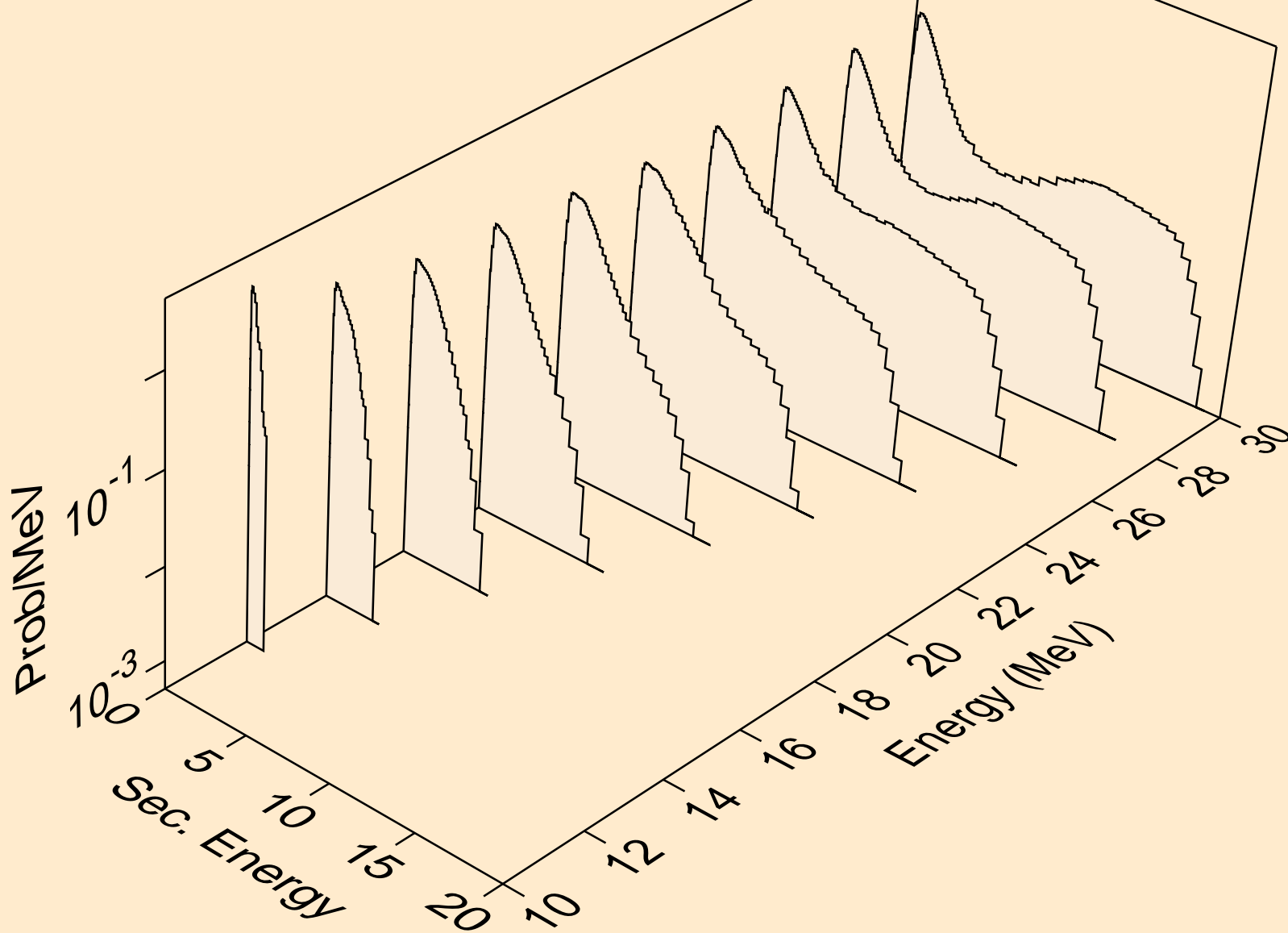
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)

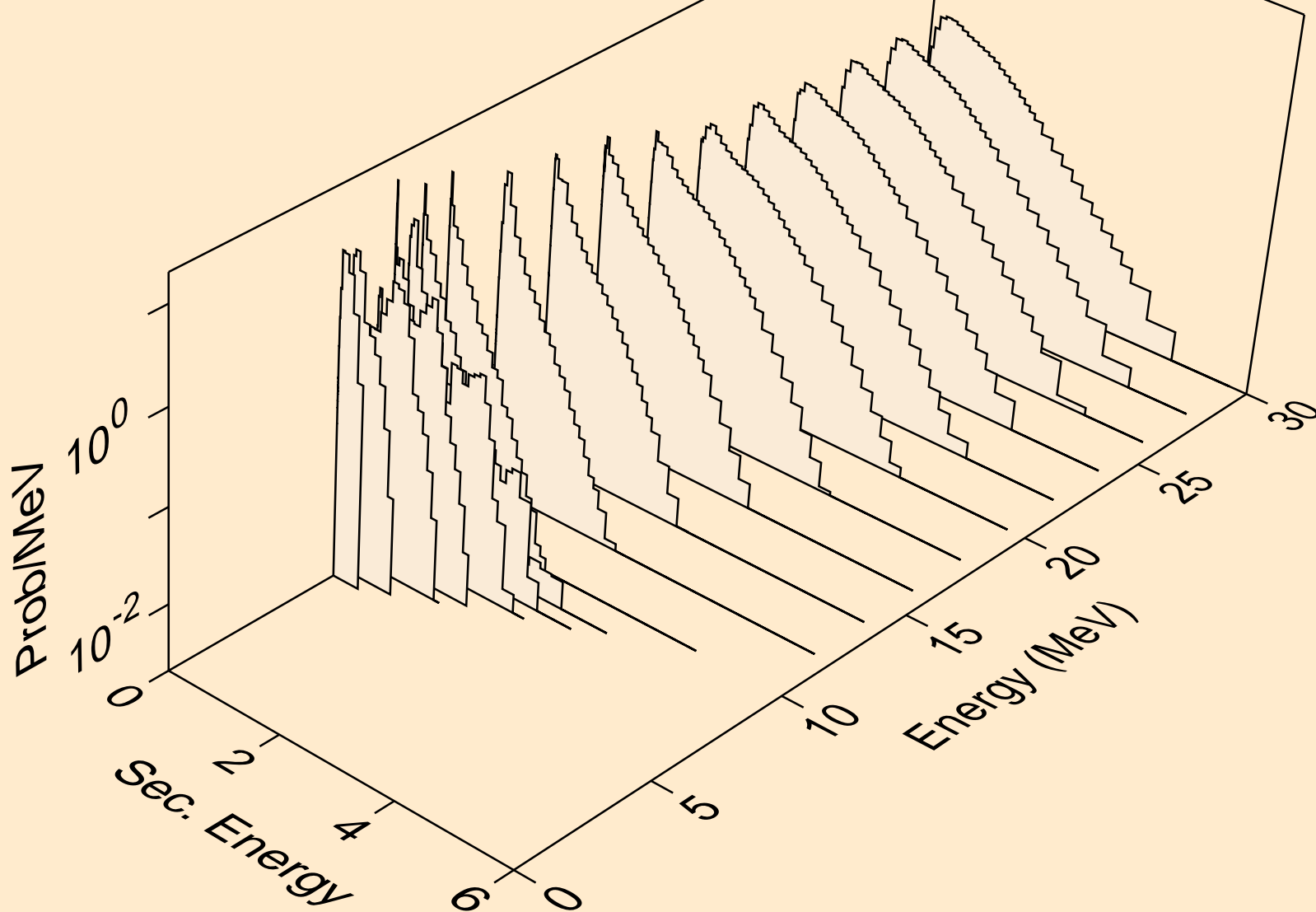


CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)

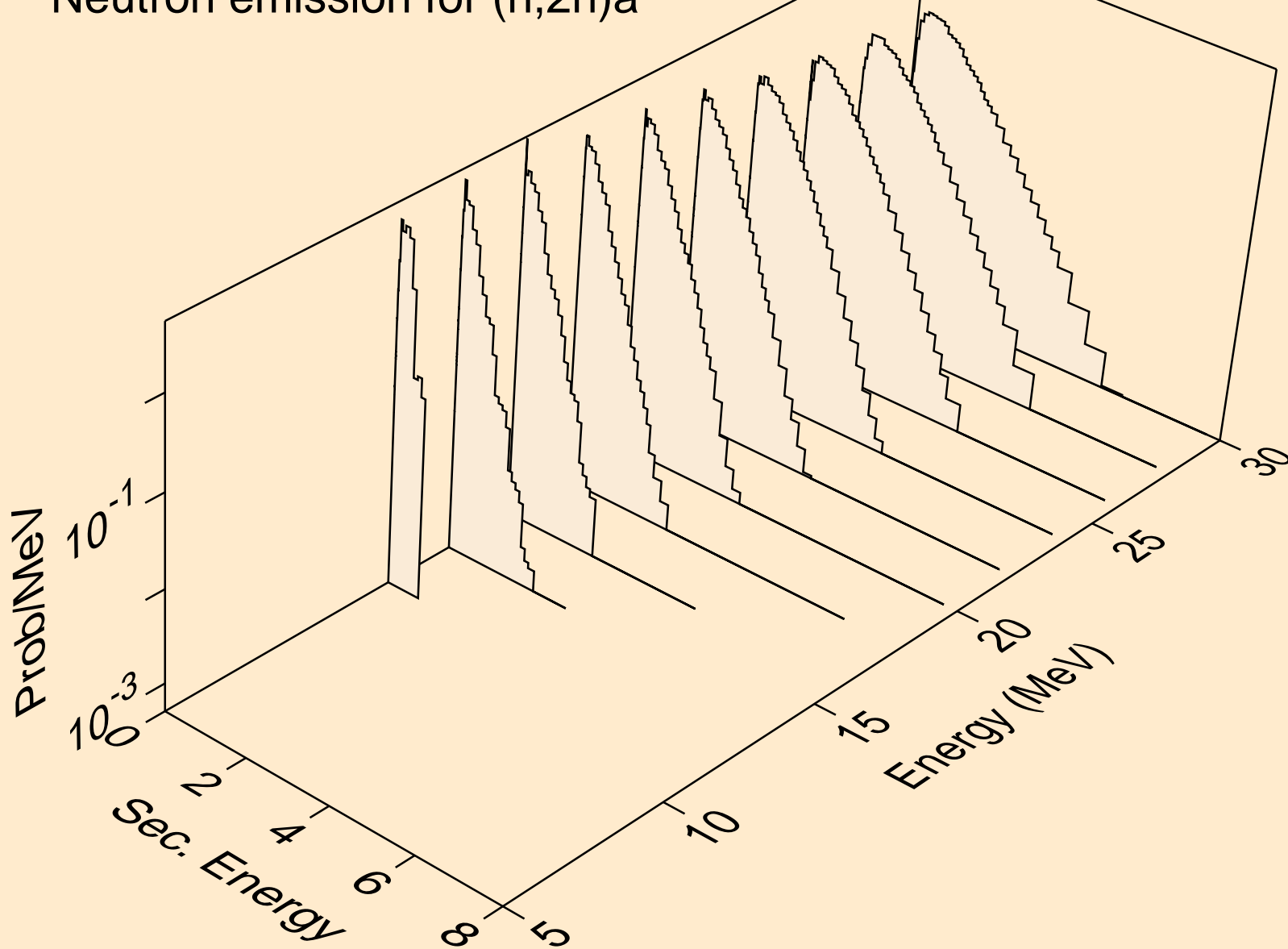




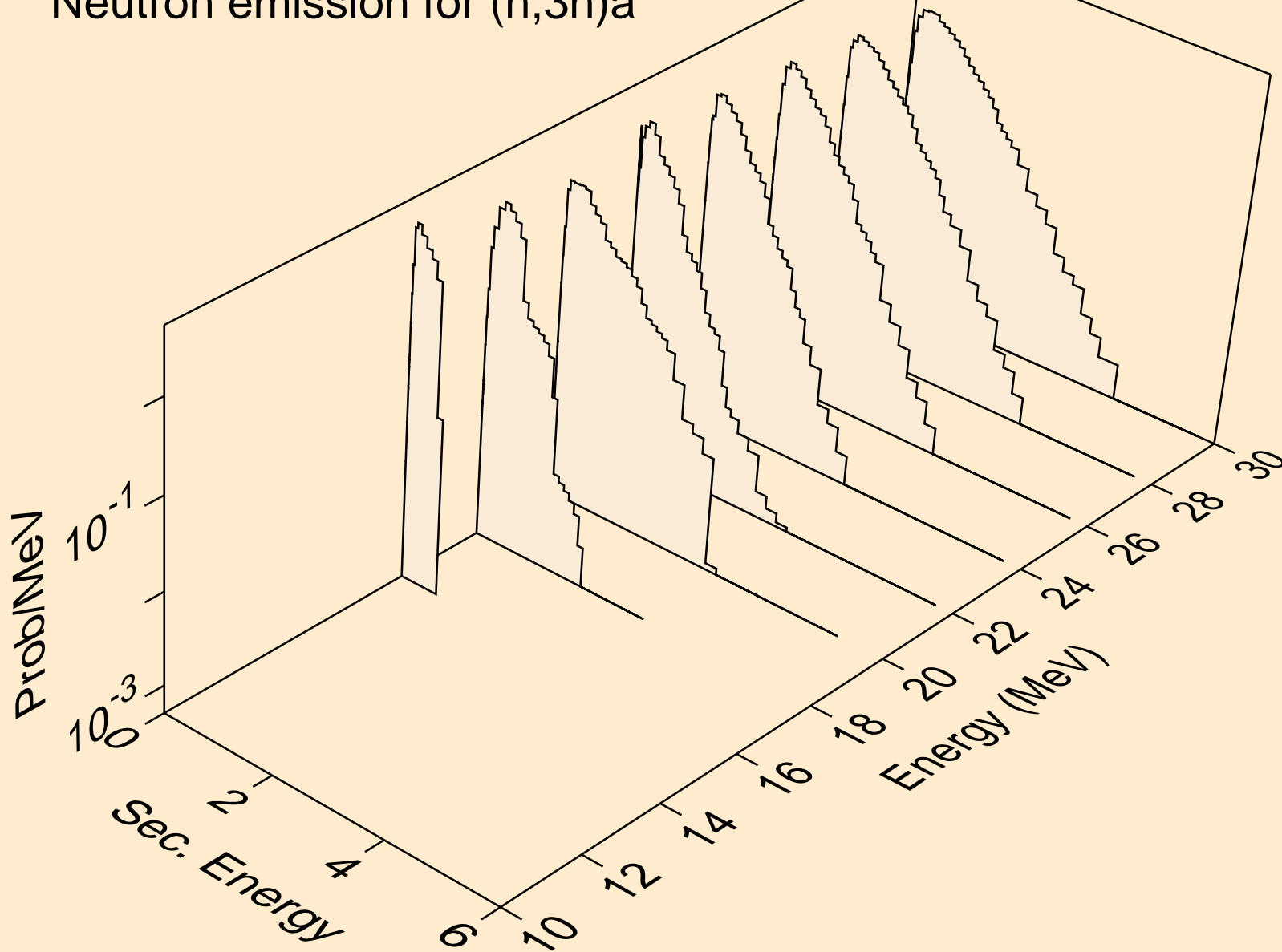
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



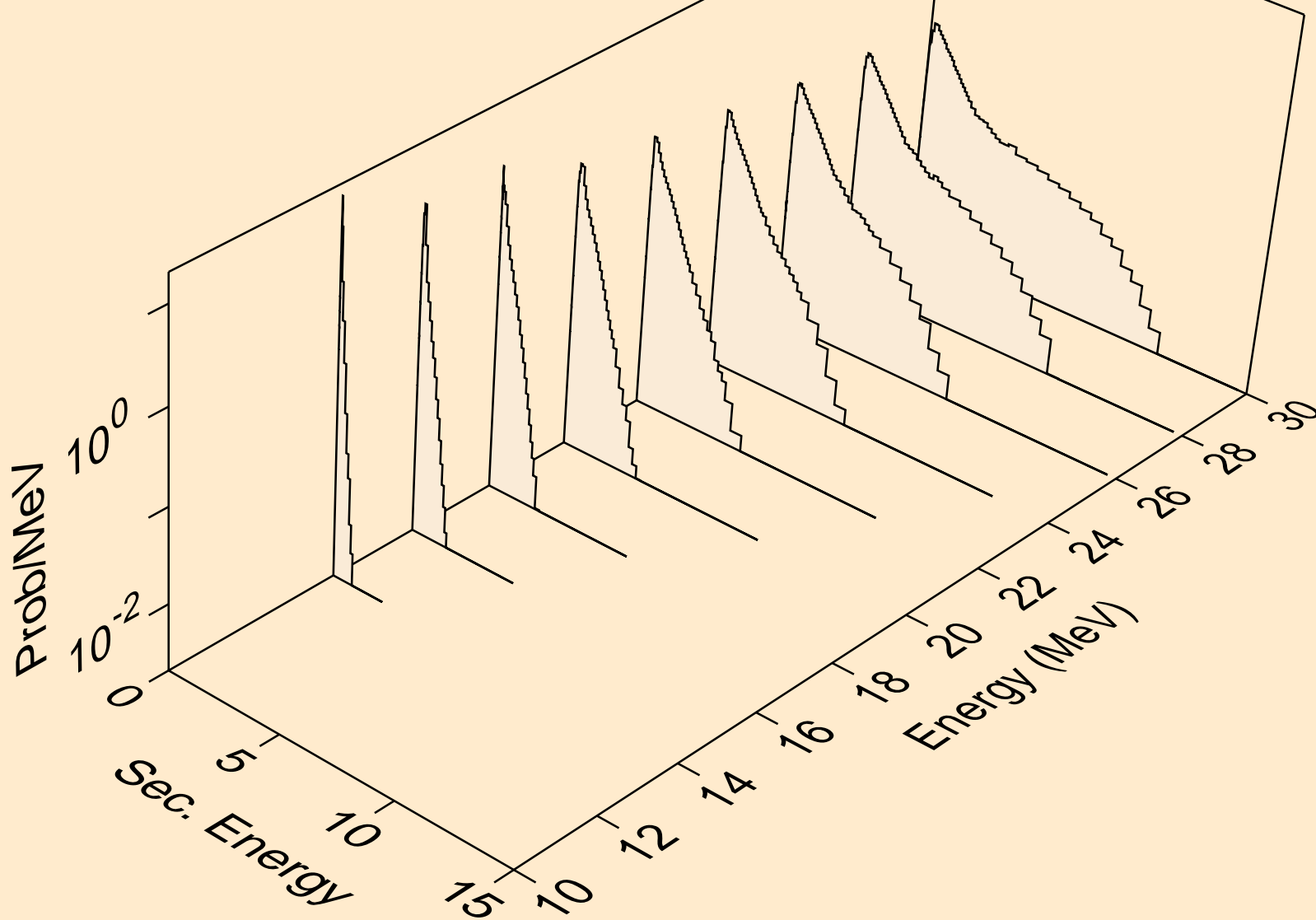
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a



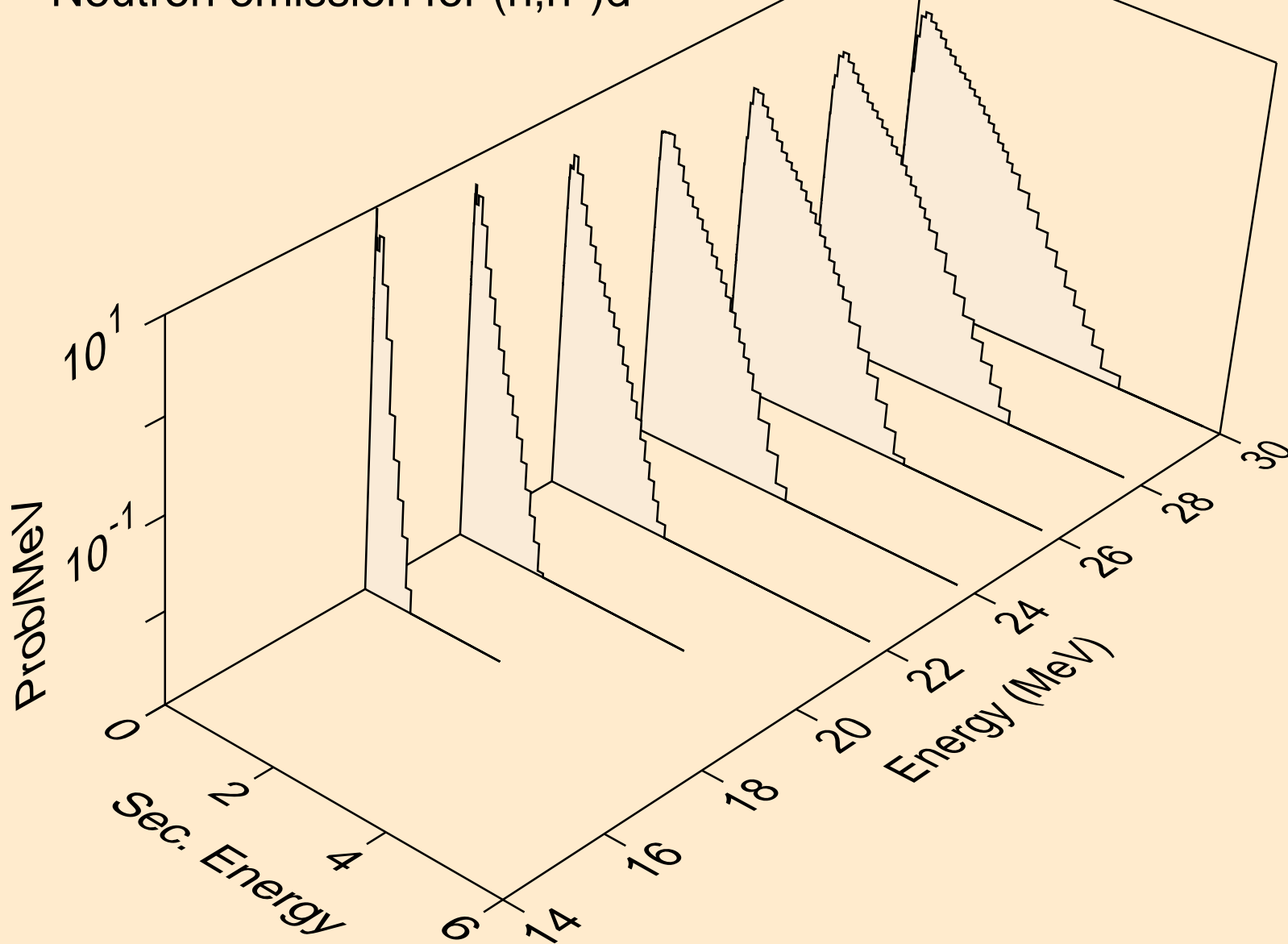
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



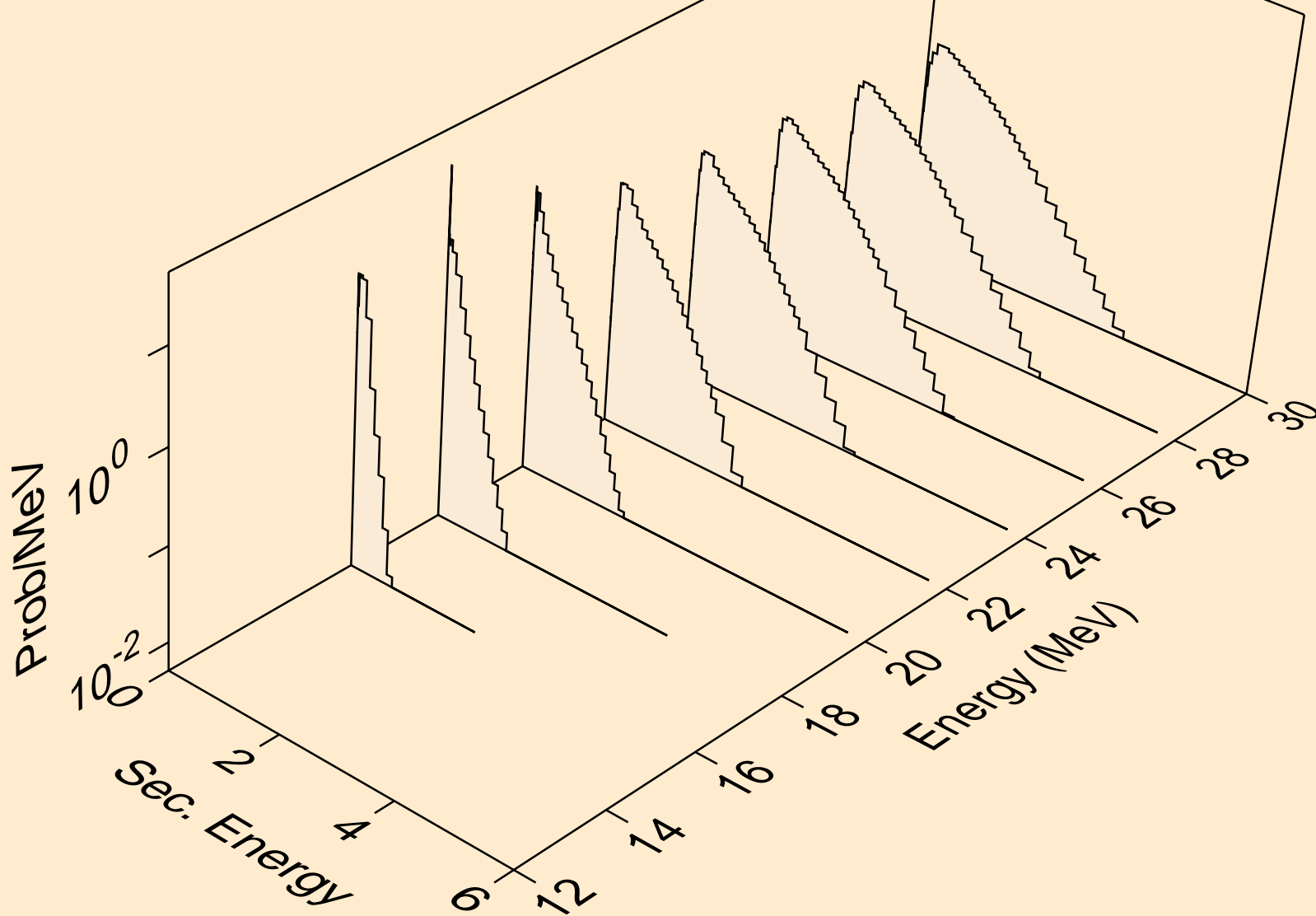
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



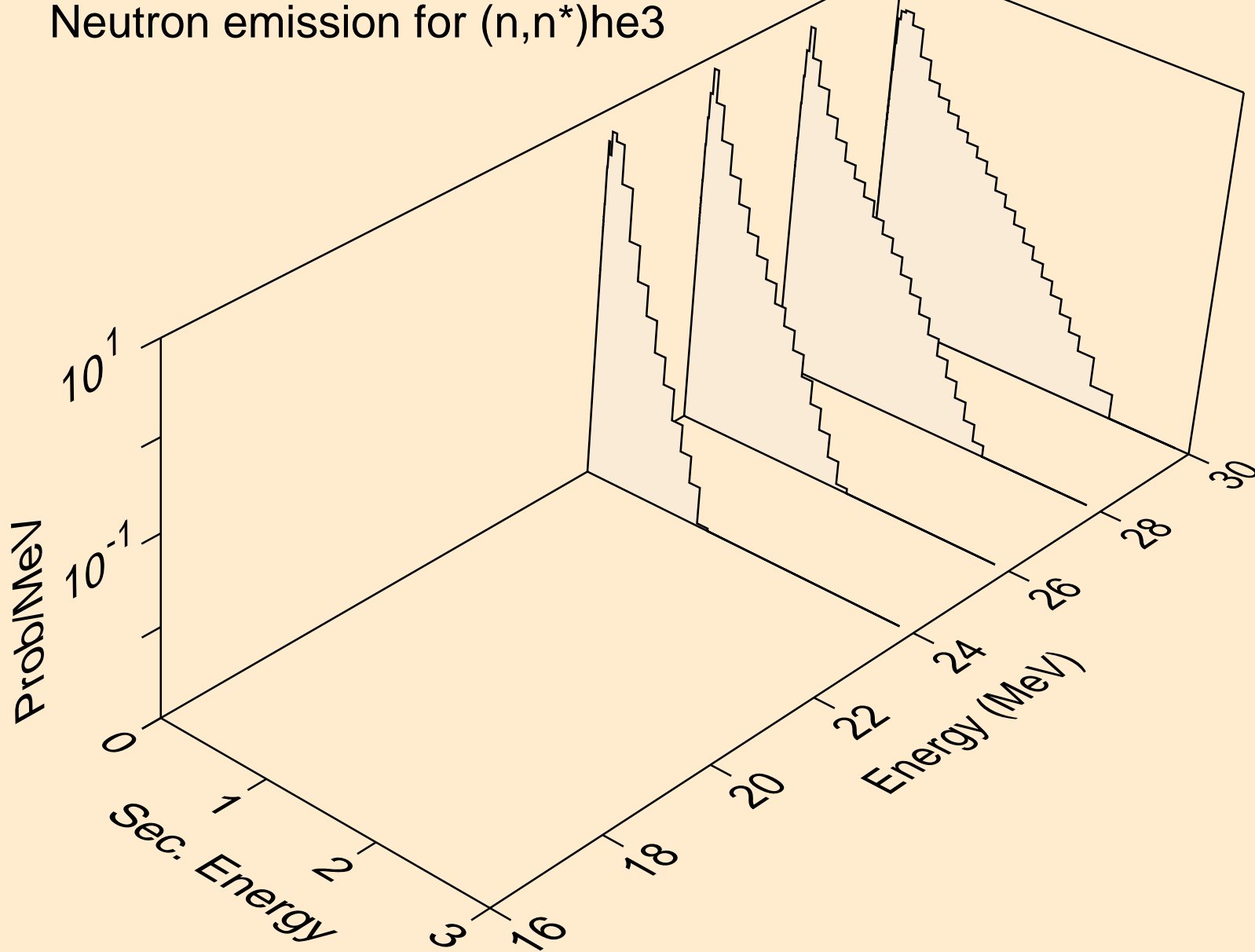
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



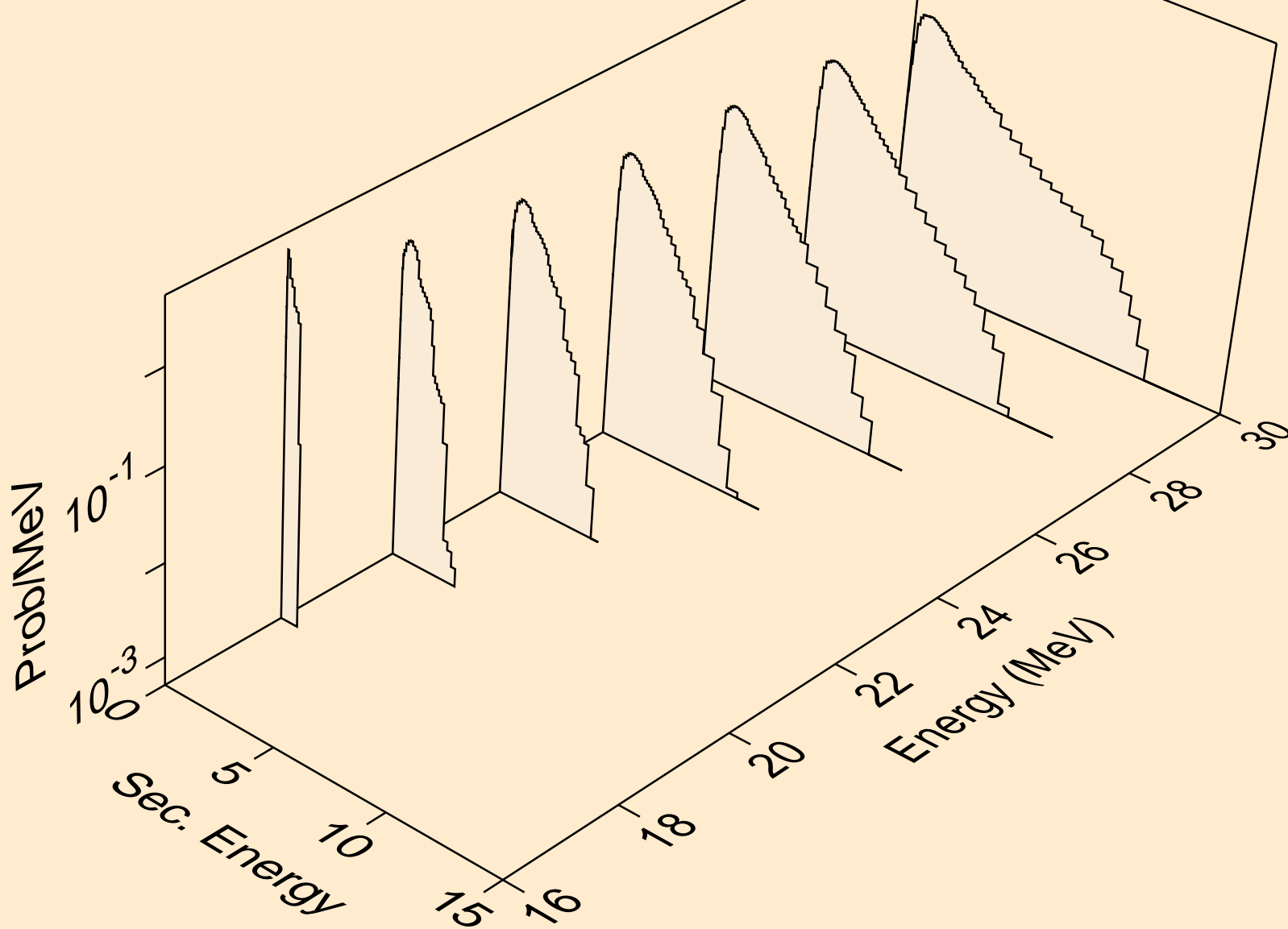
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3

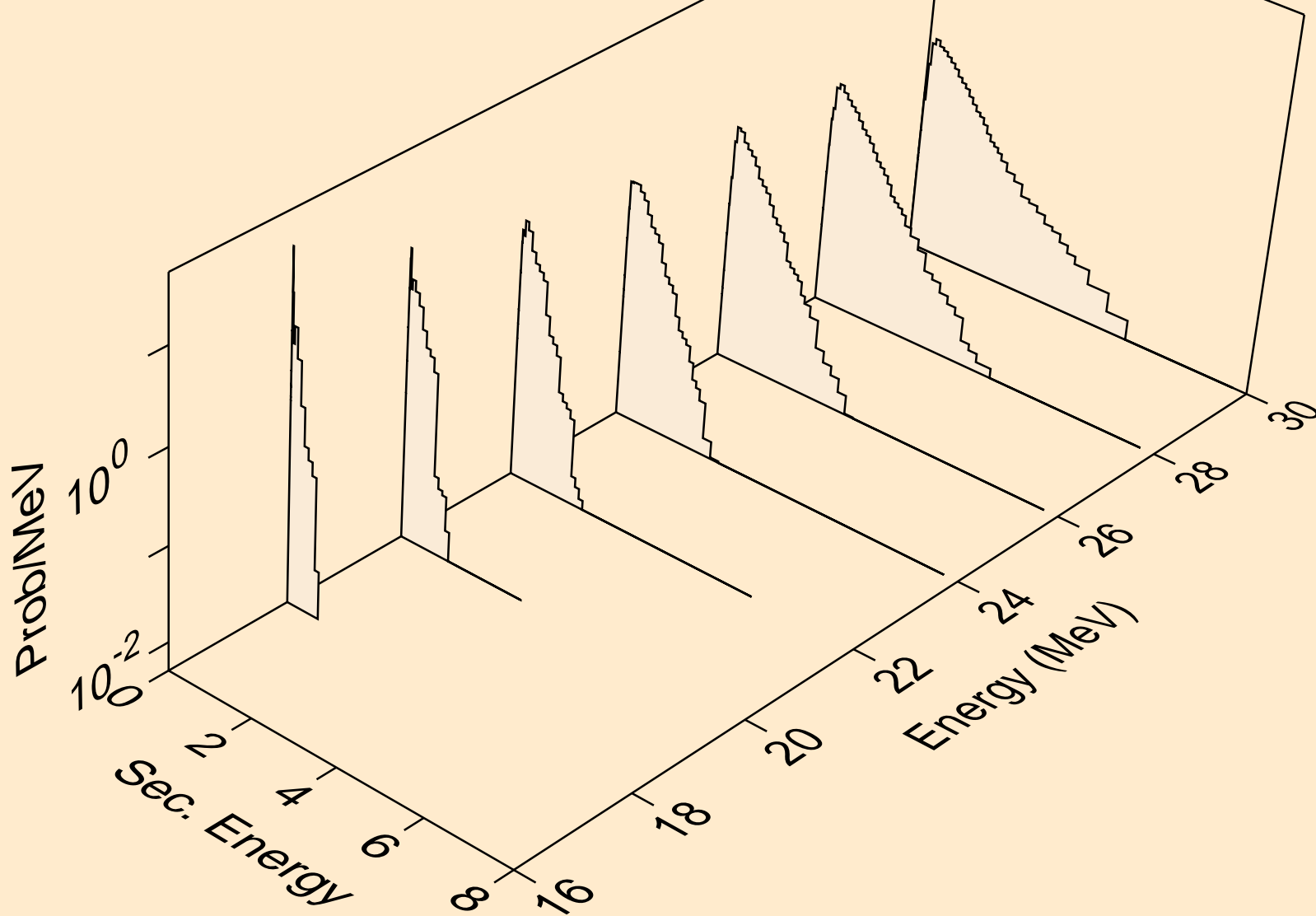


CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)

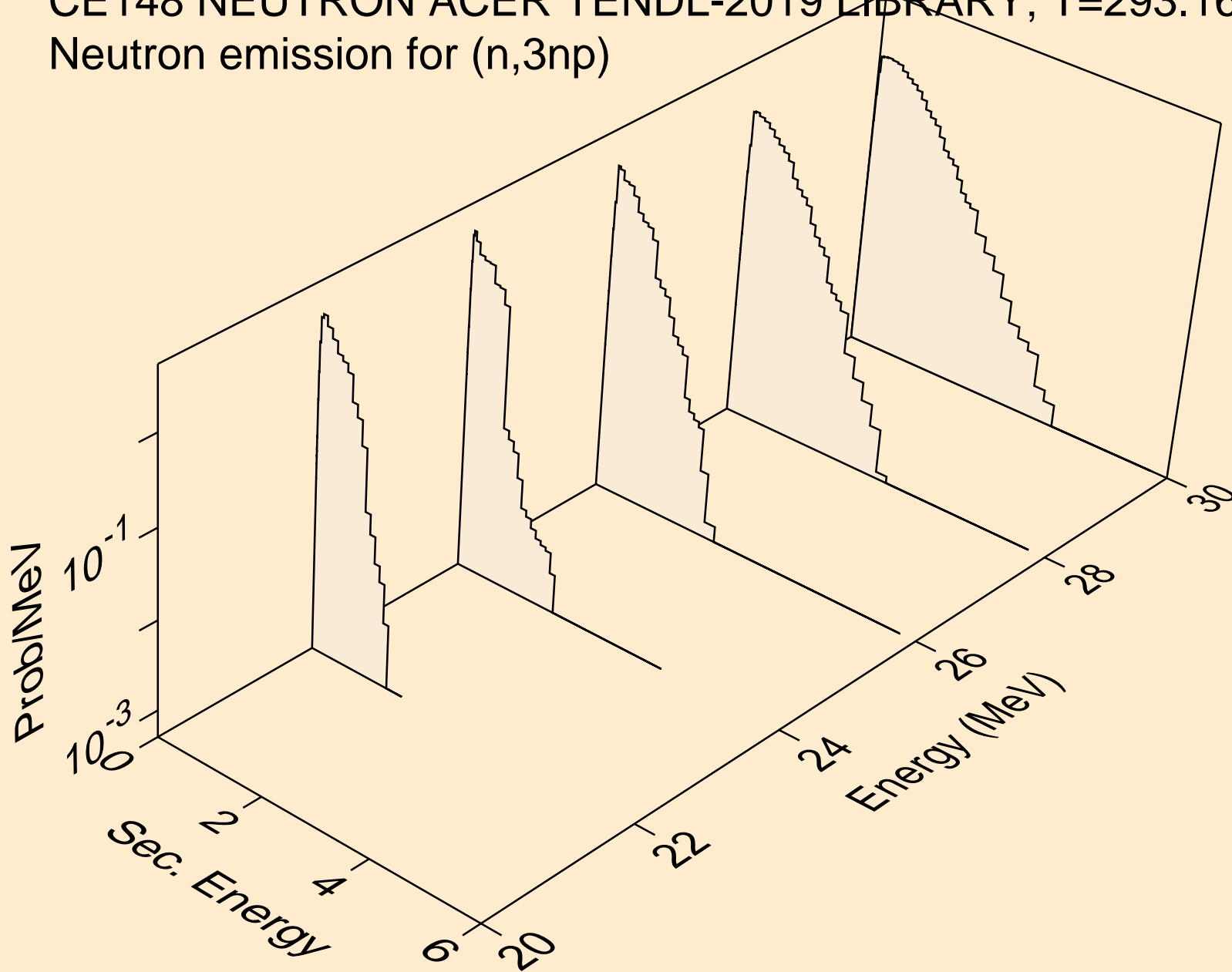




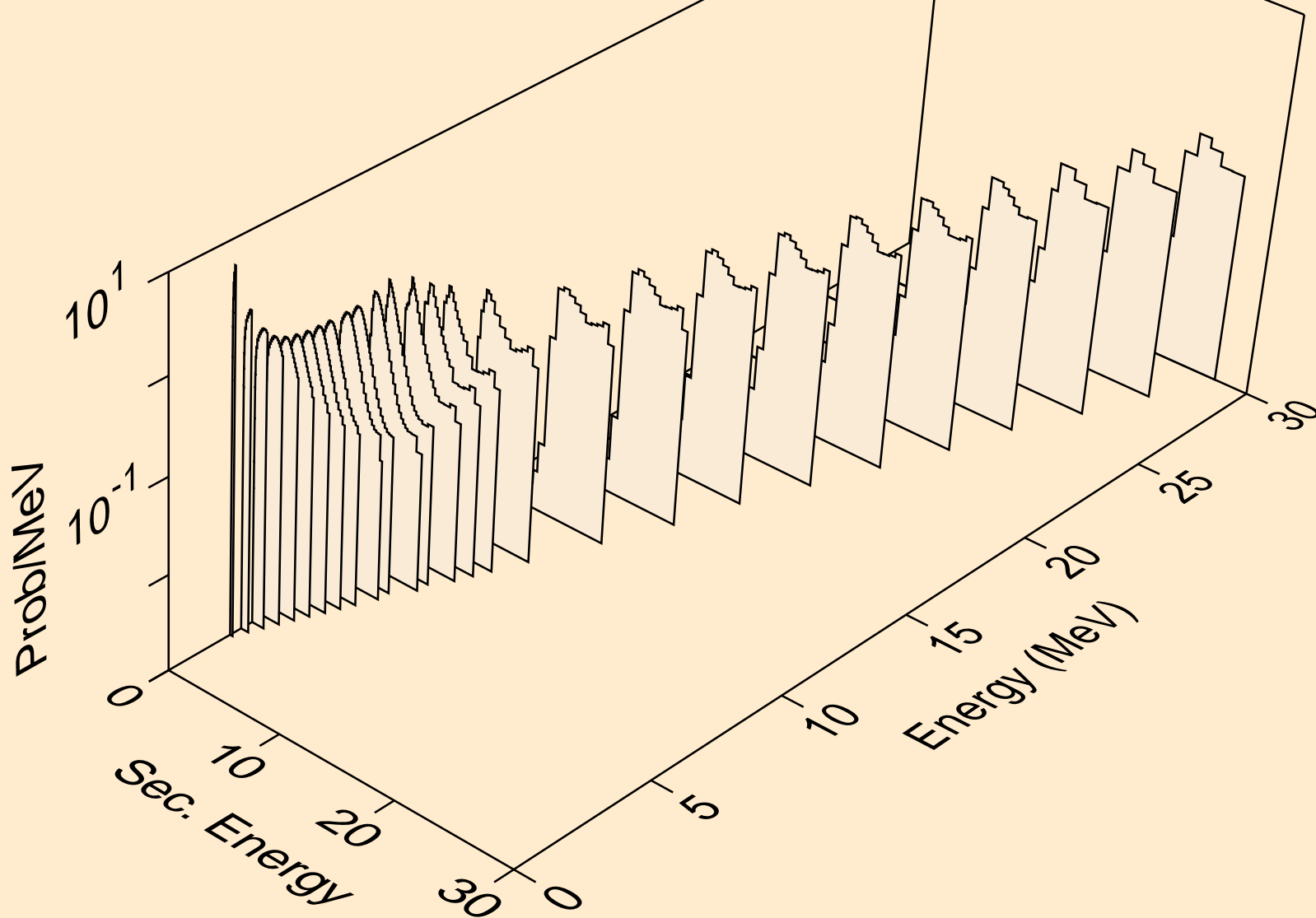
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



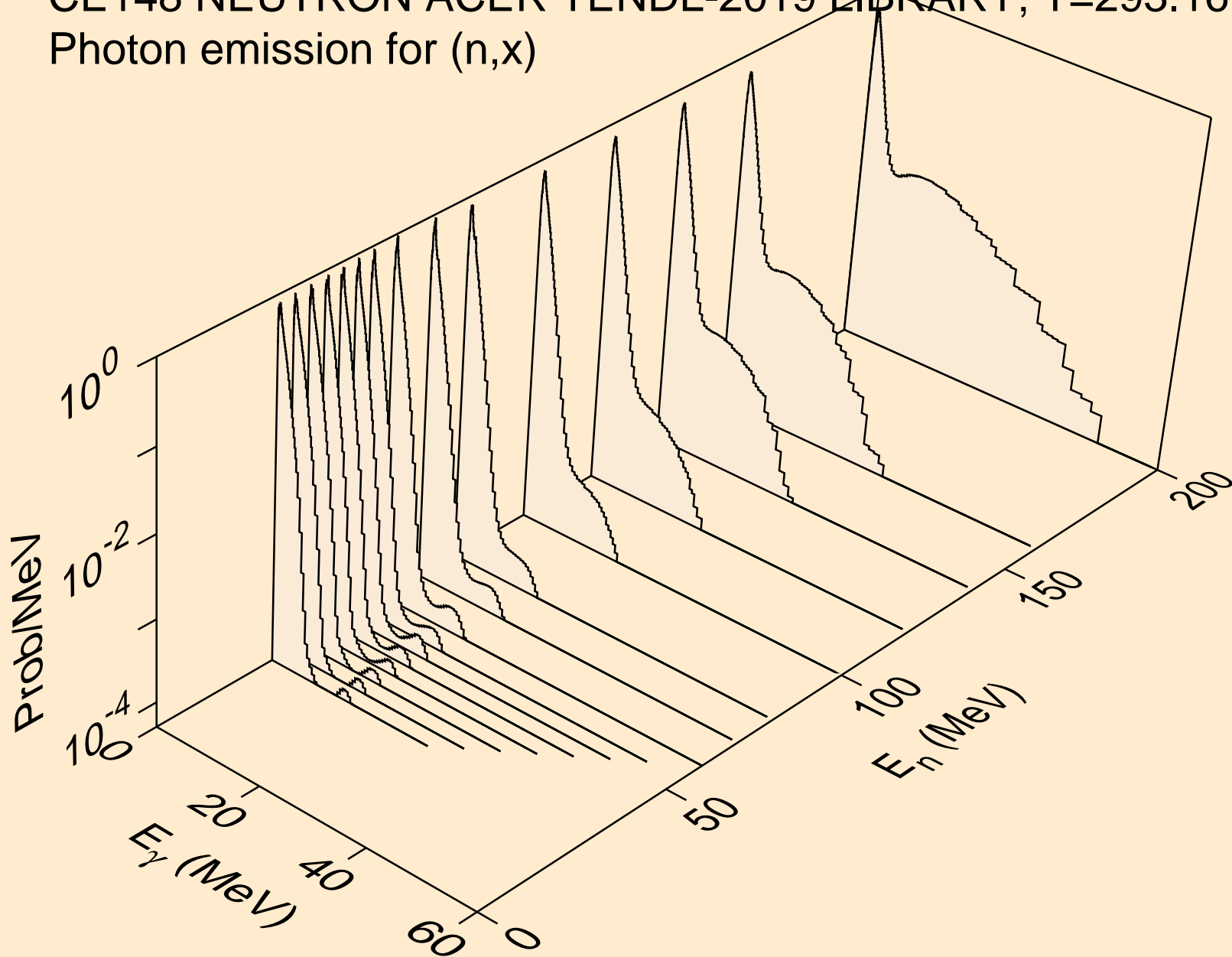
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)



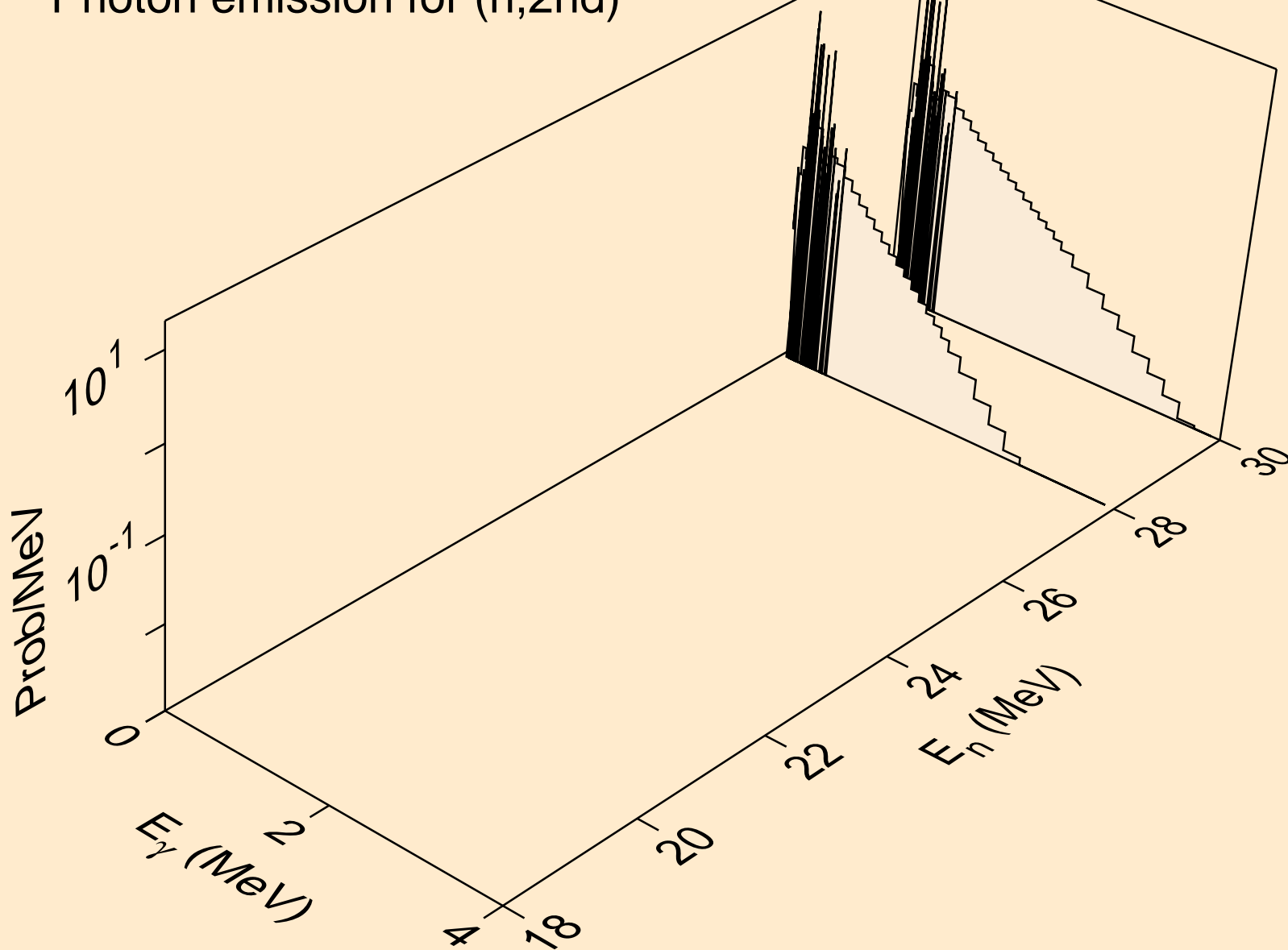
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



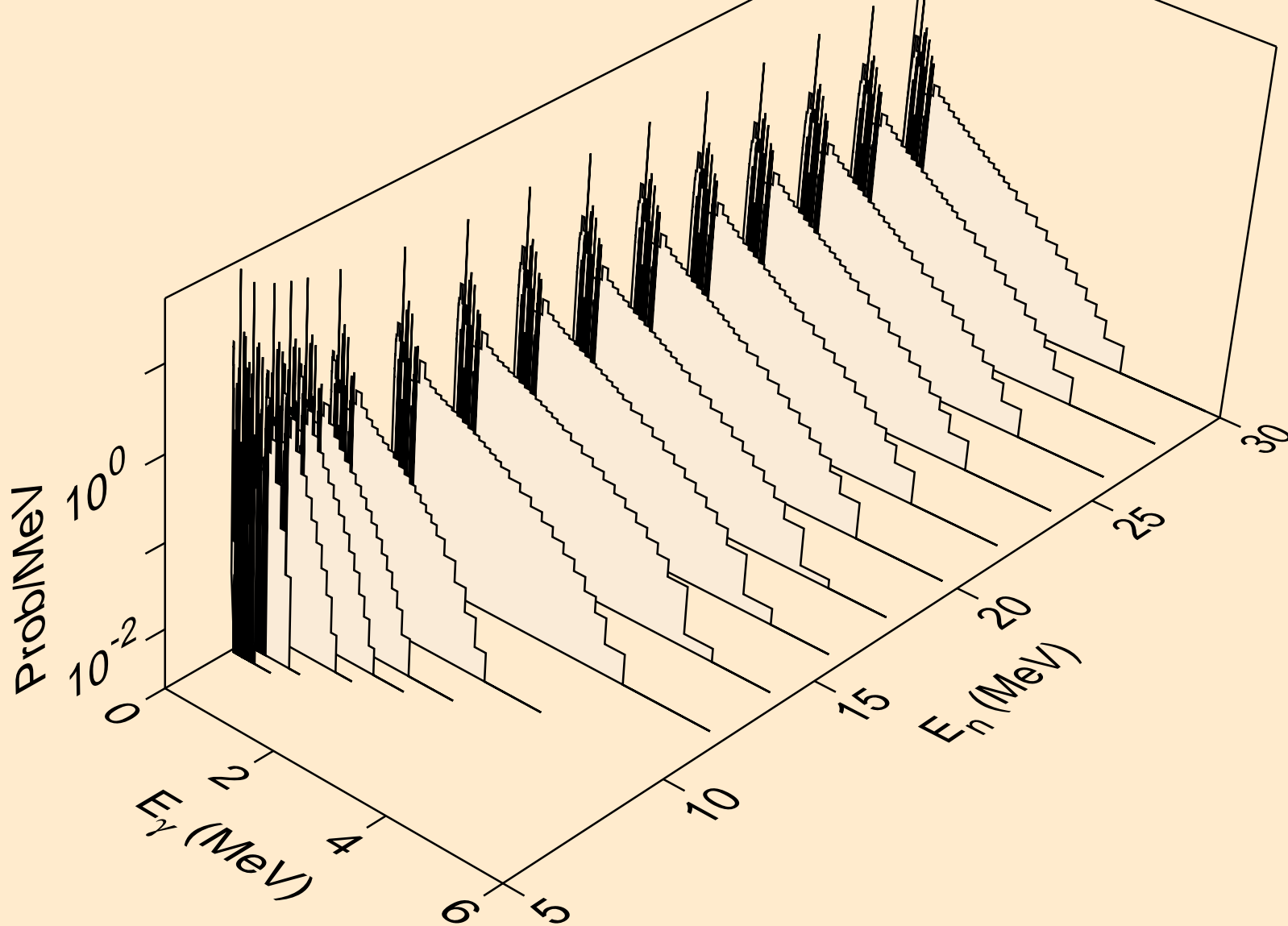
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



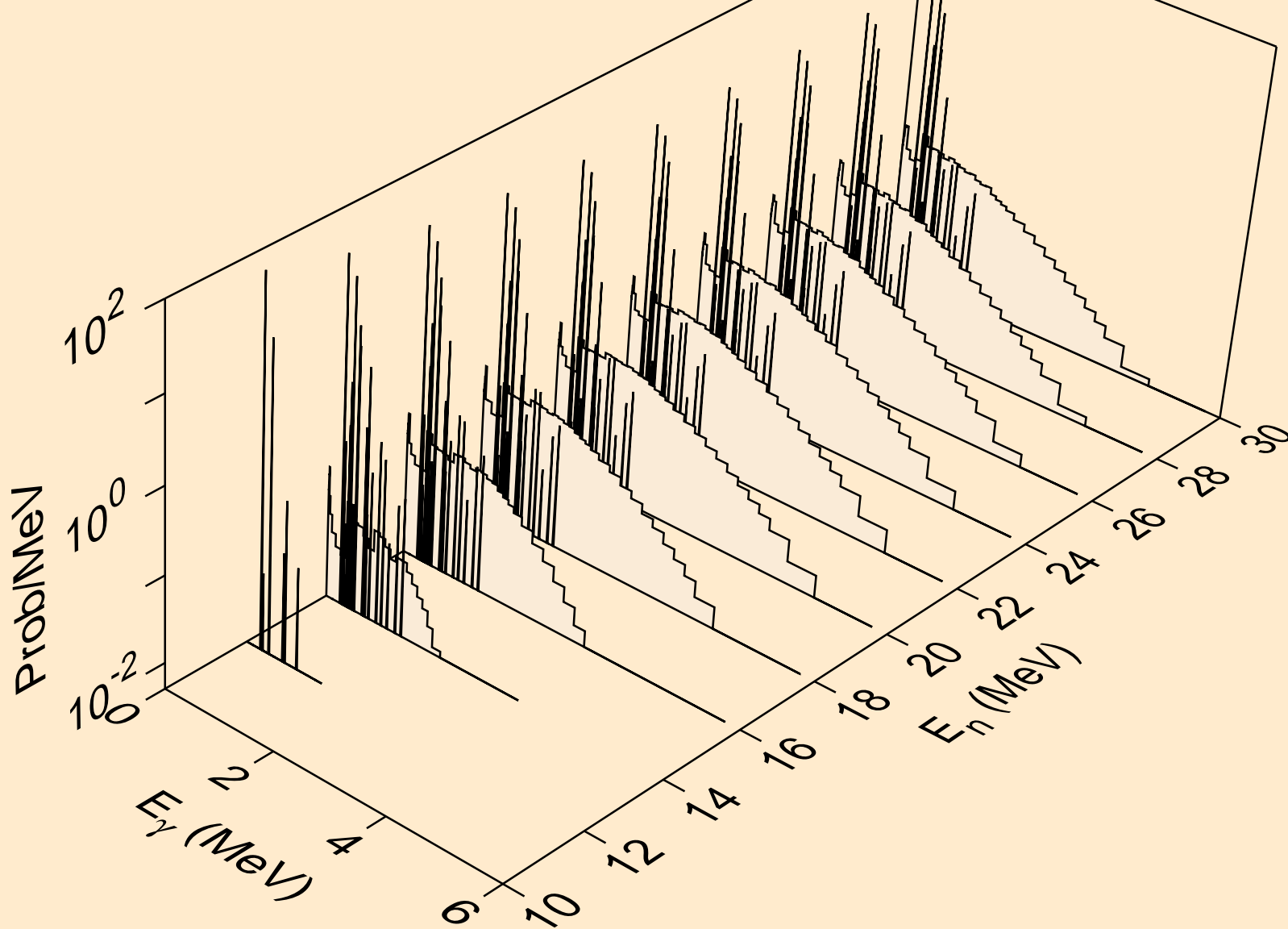
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)



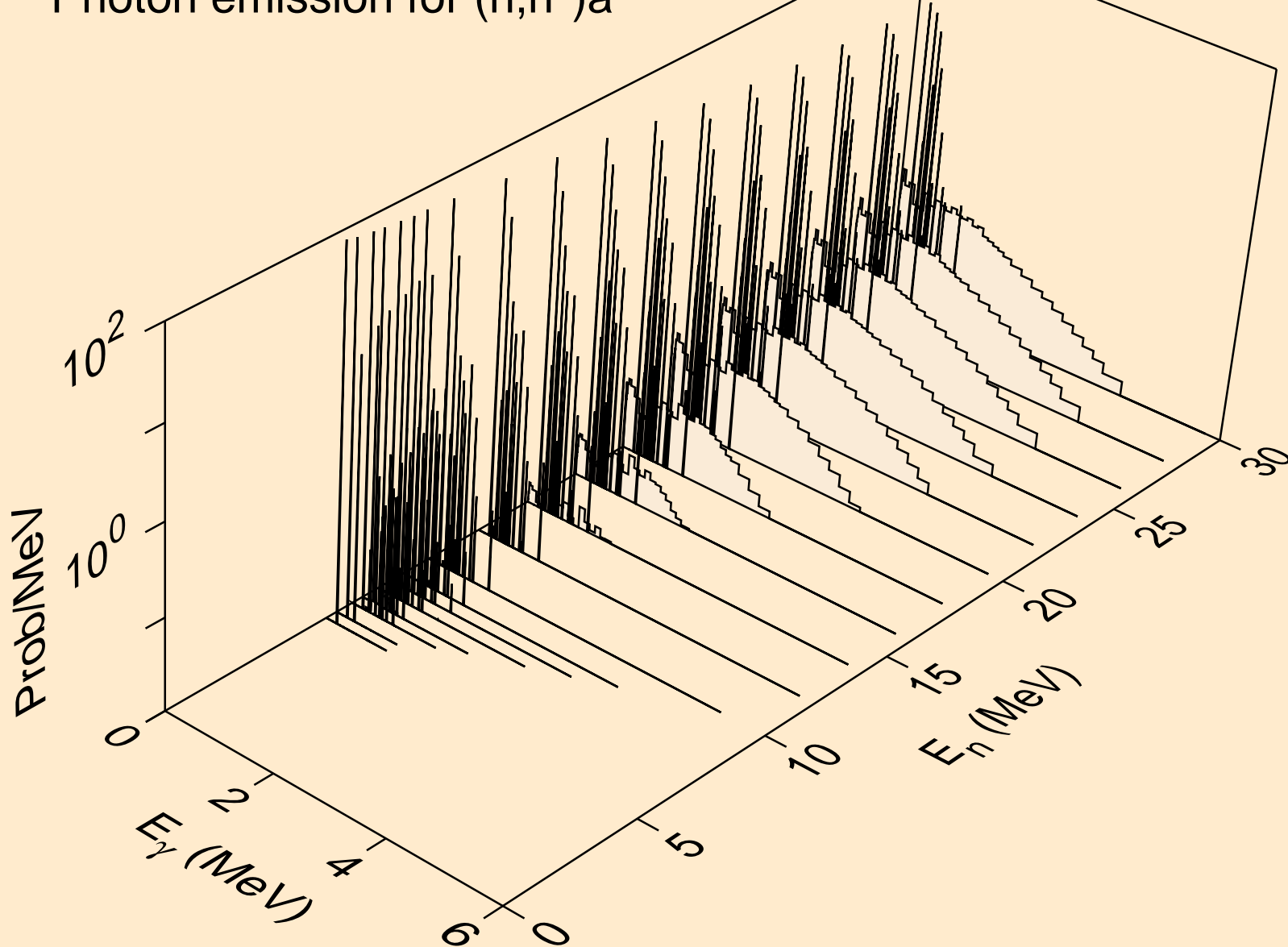
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)



CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)

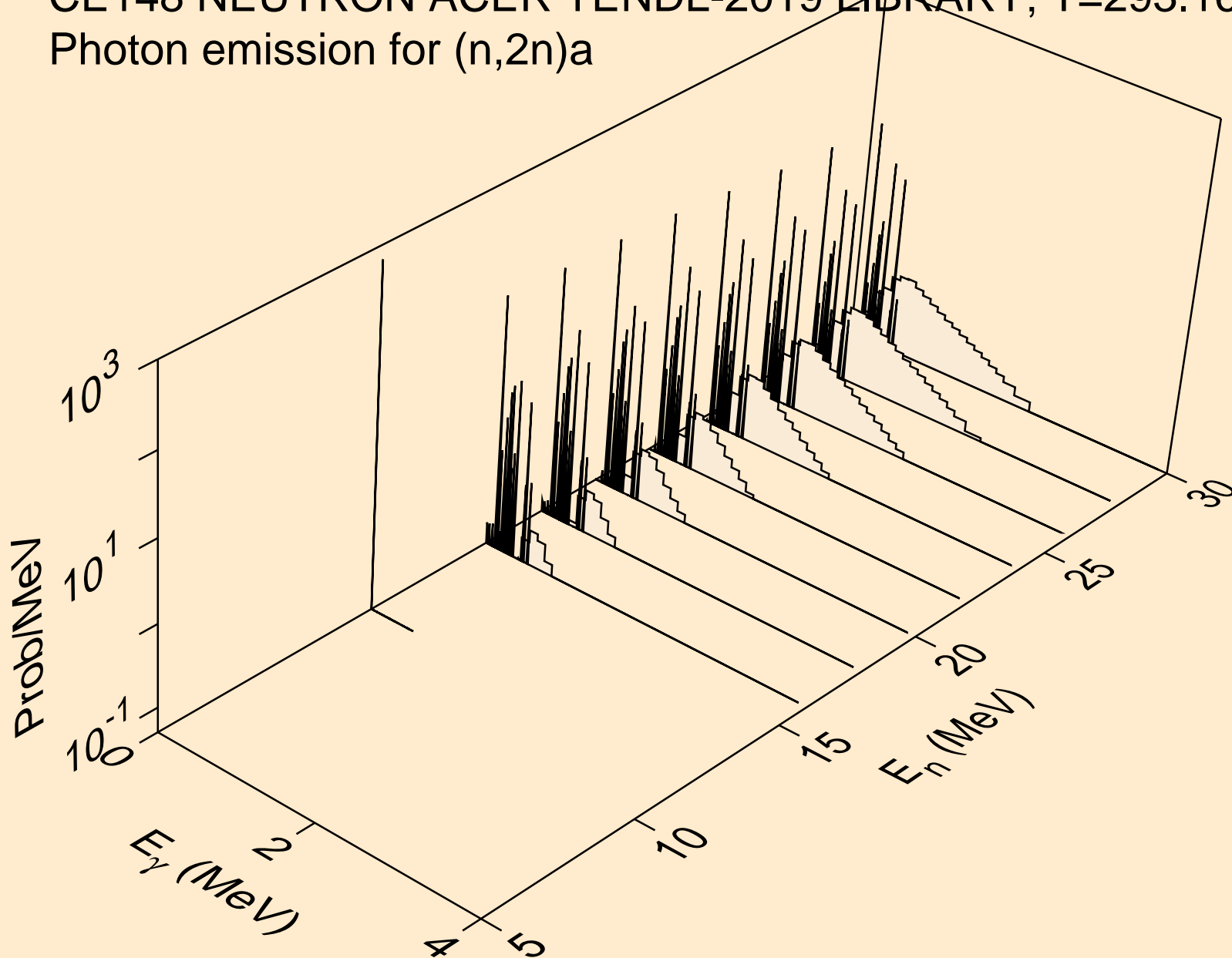


CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a

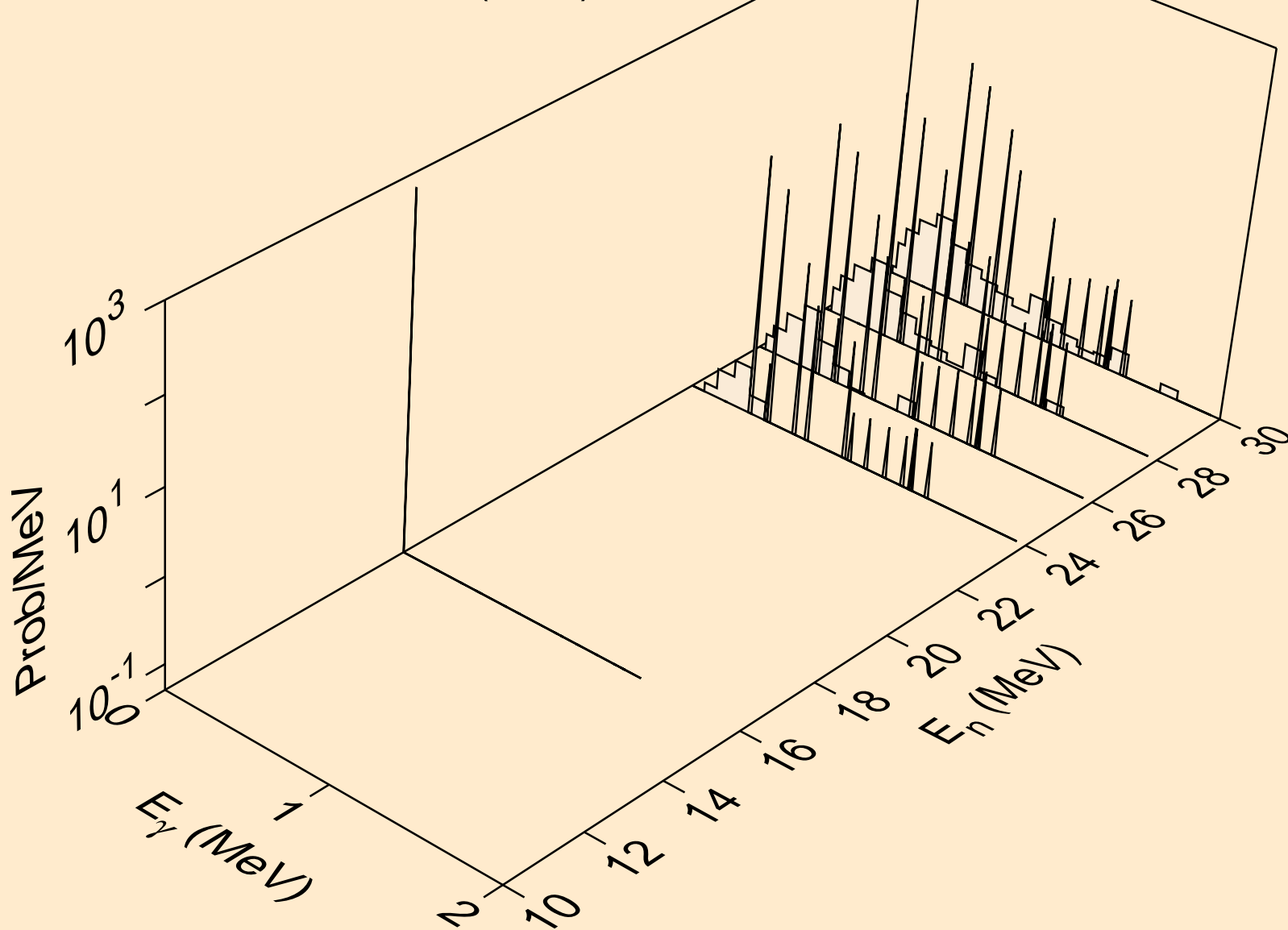




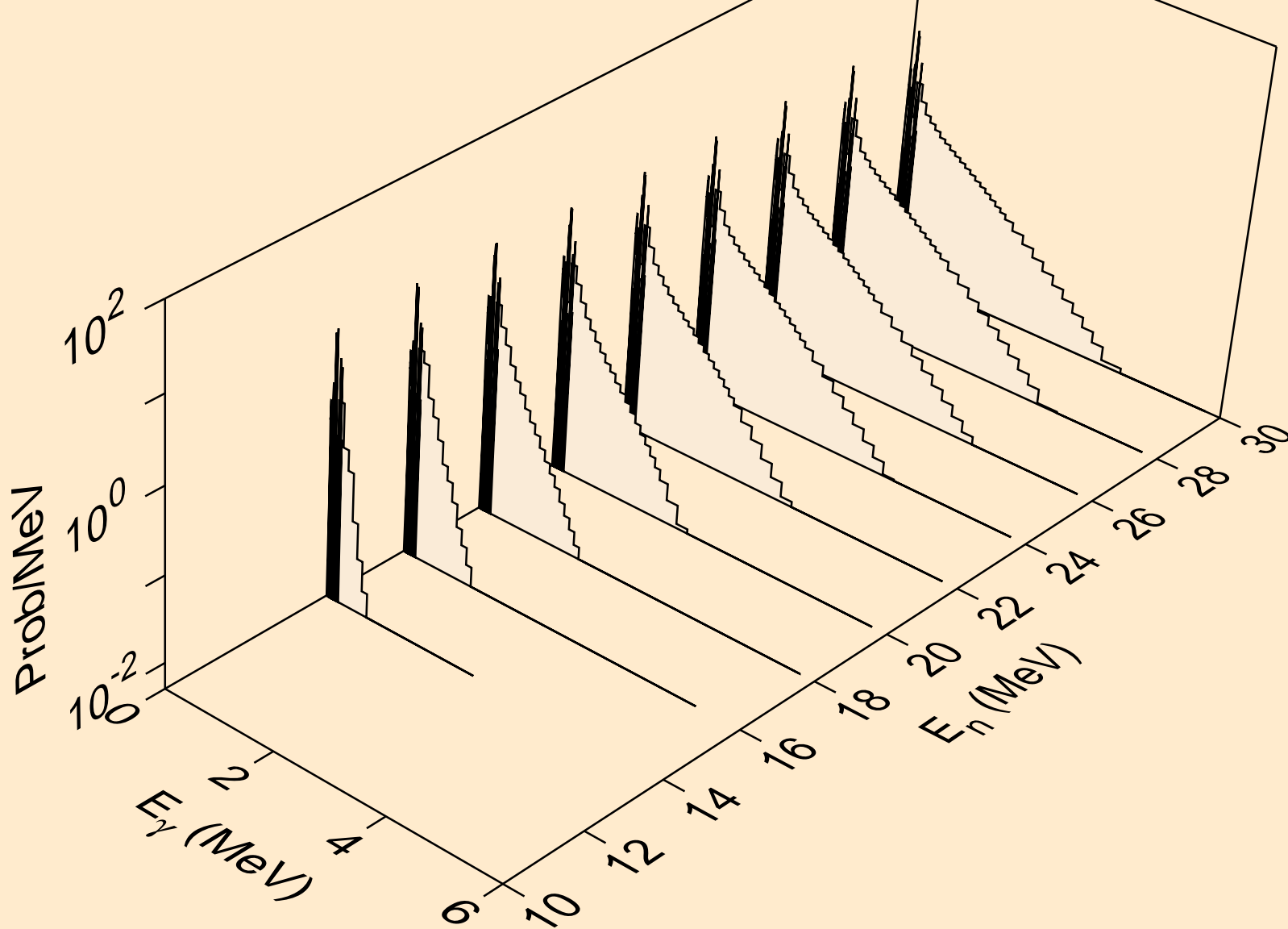
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a



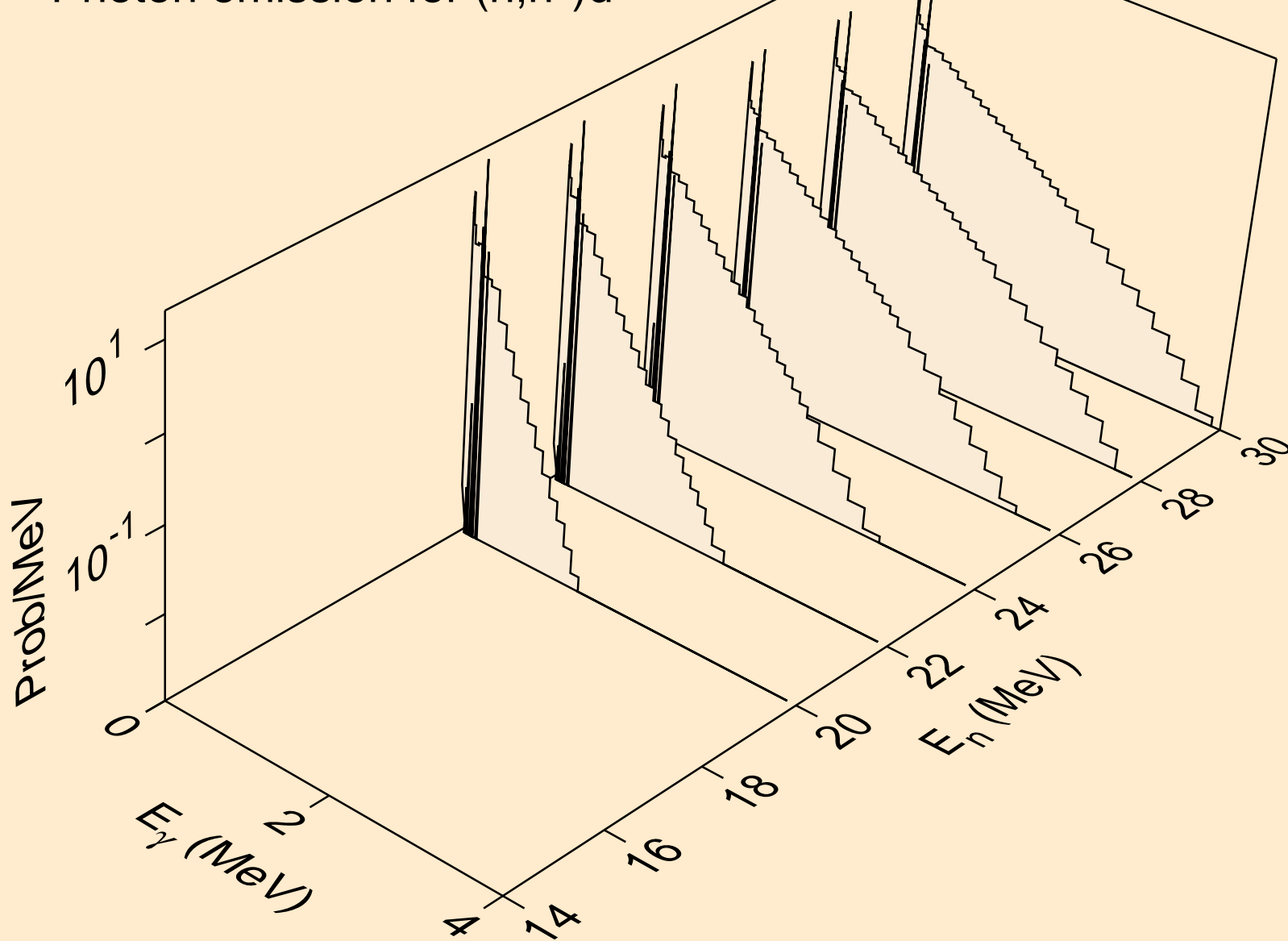
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a



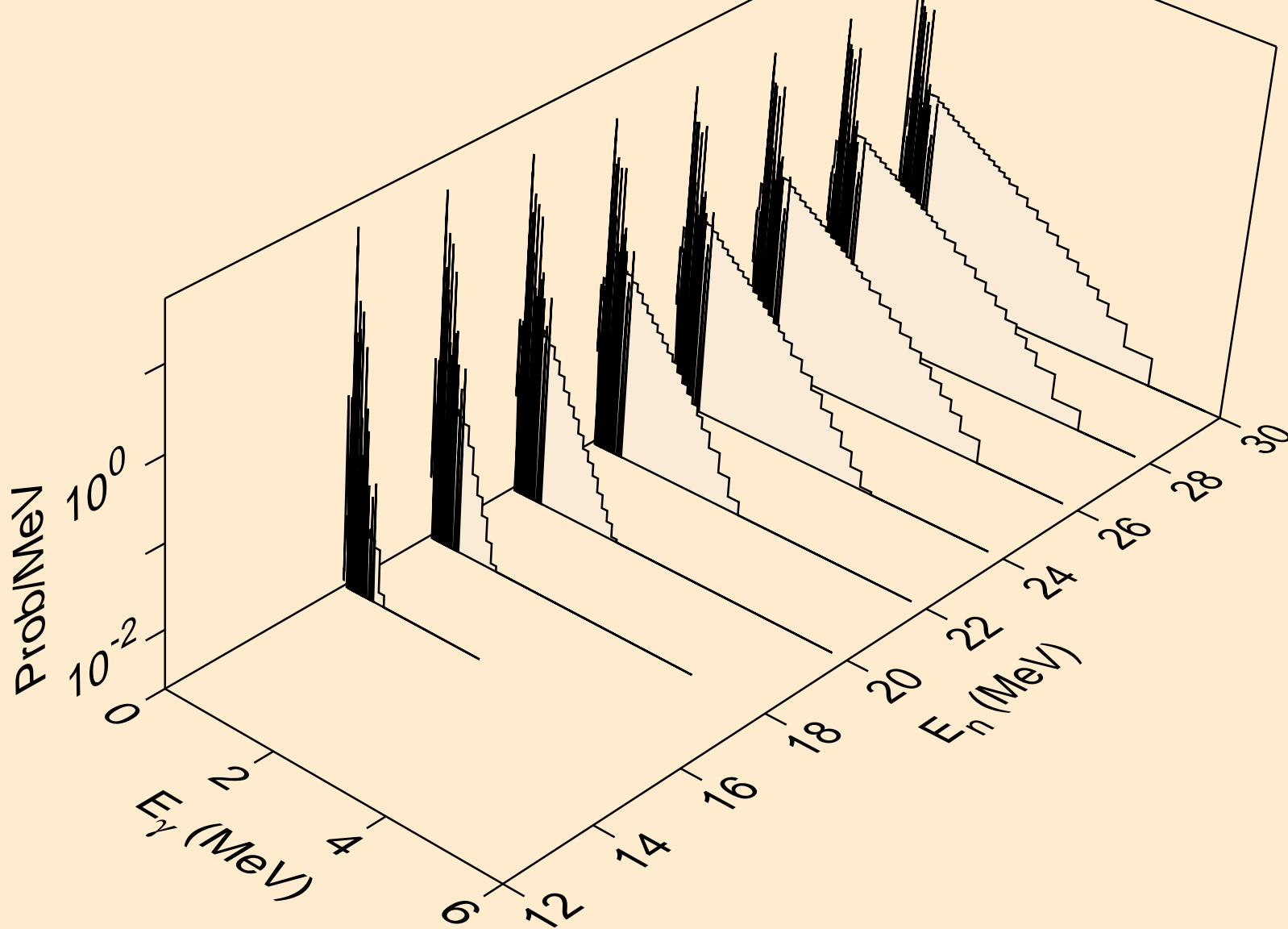
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p



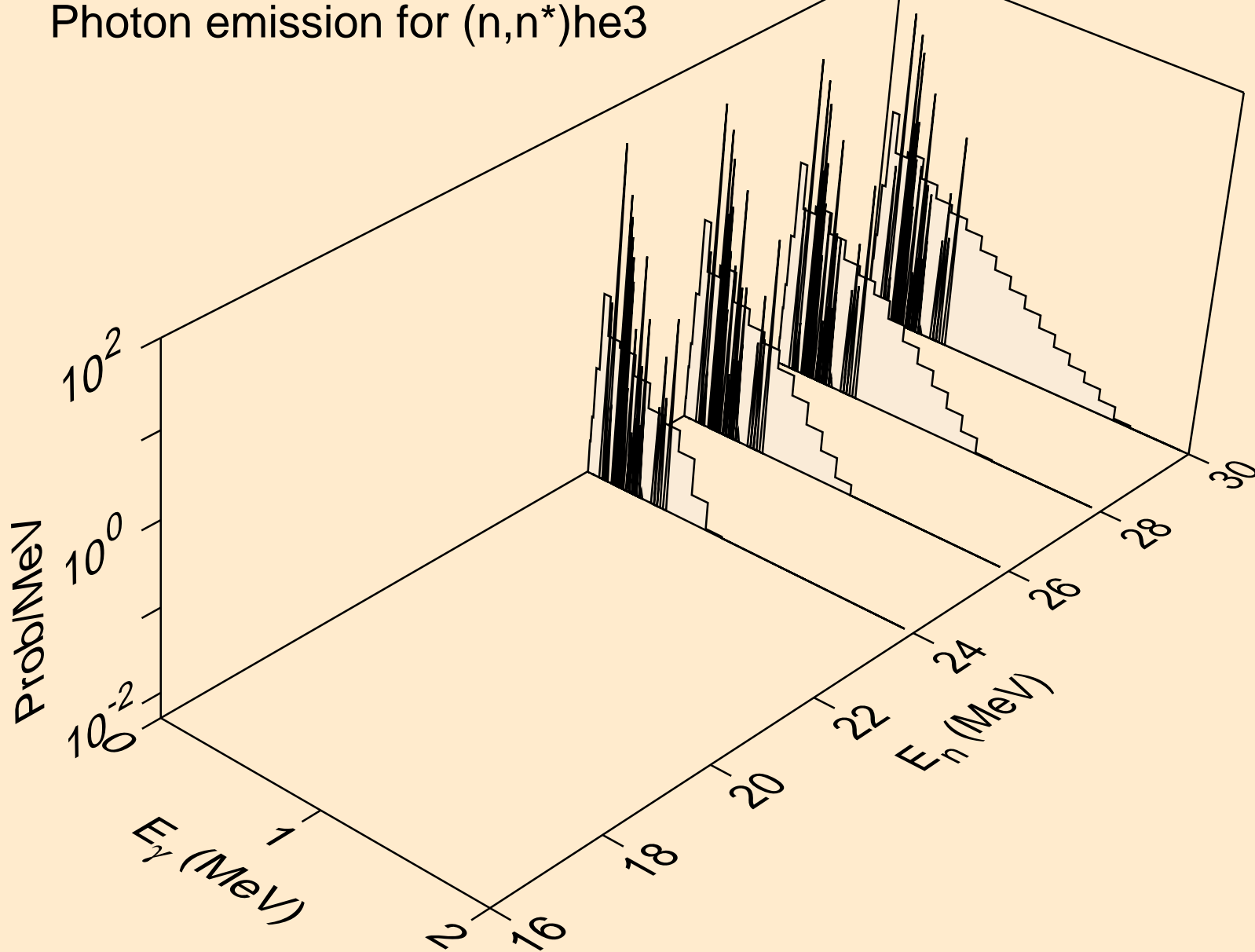
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d



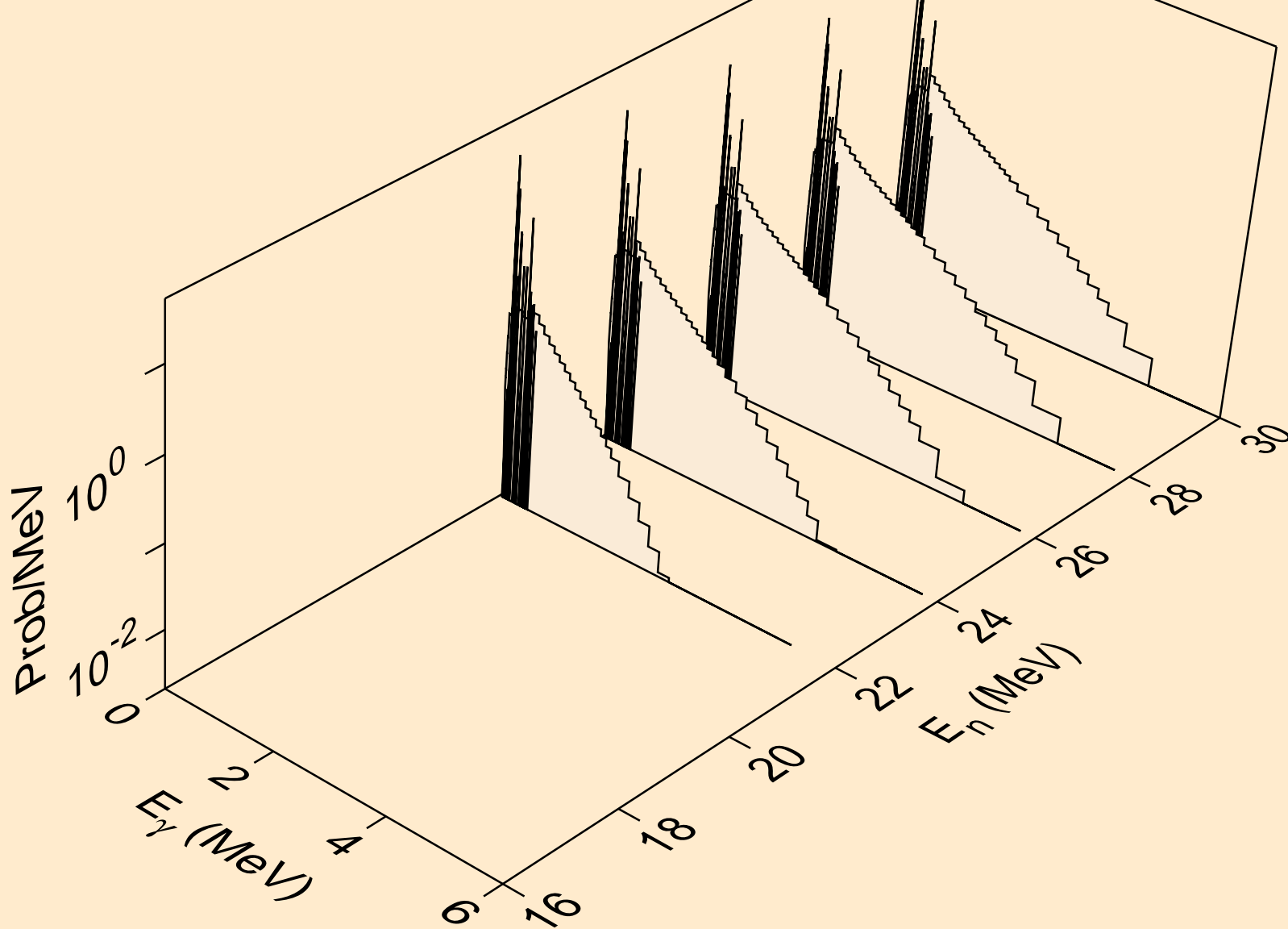
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t



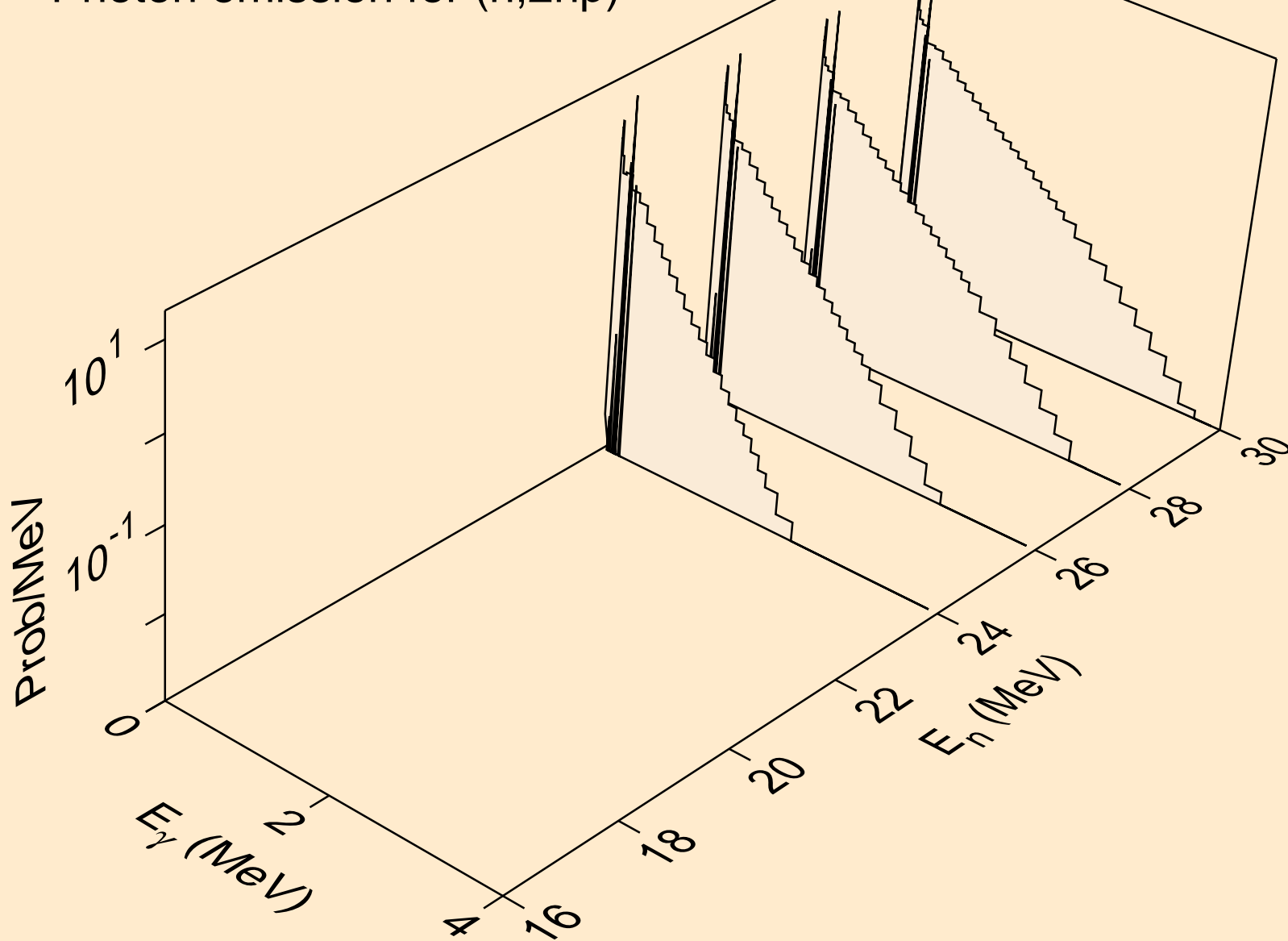
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3



CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)

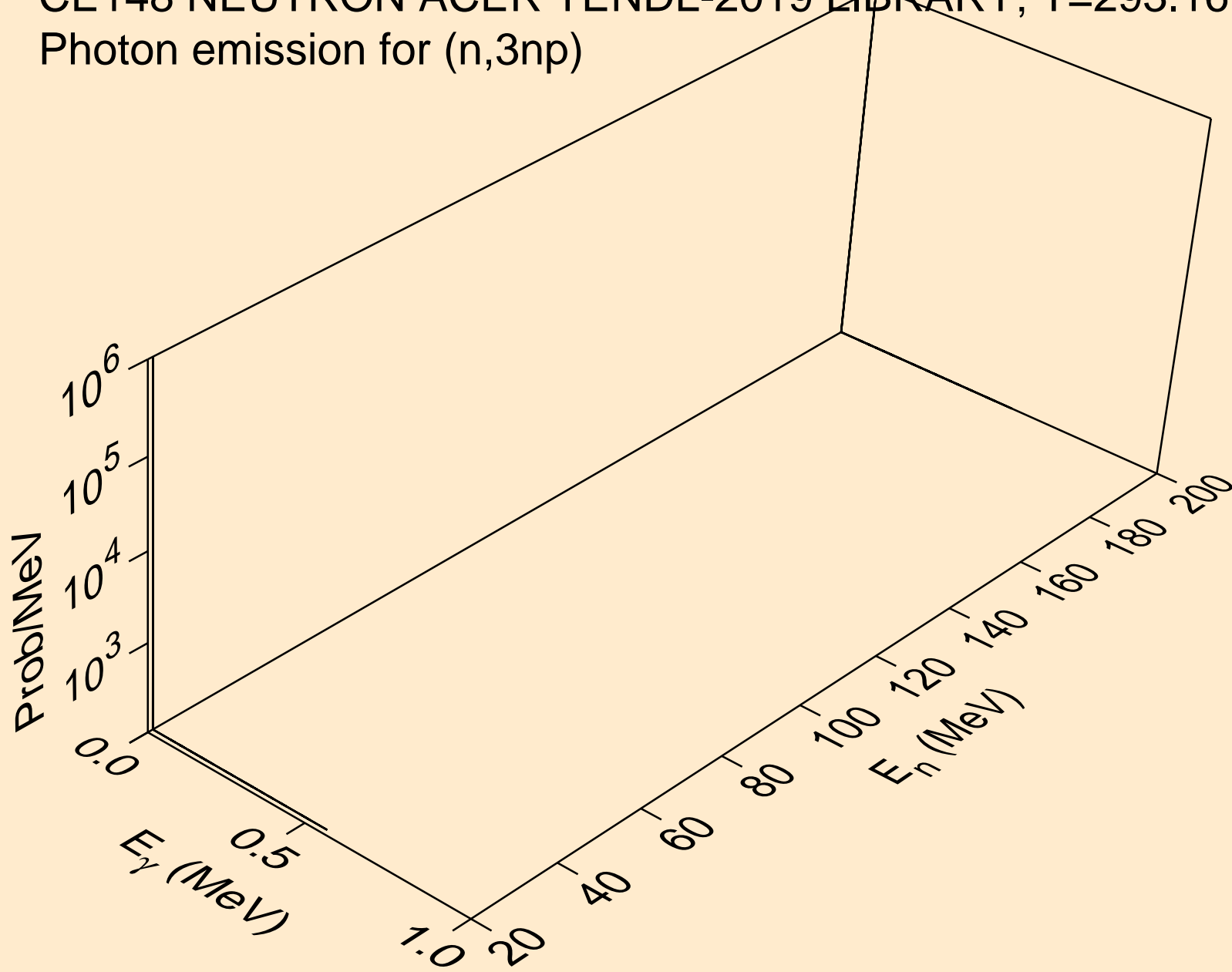


CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)

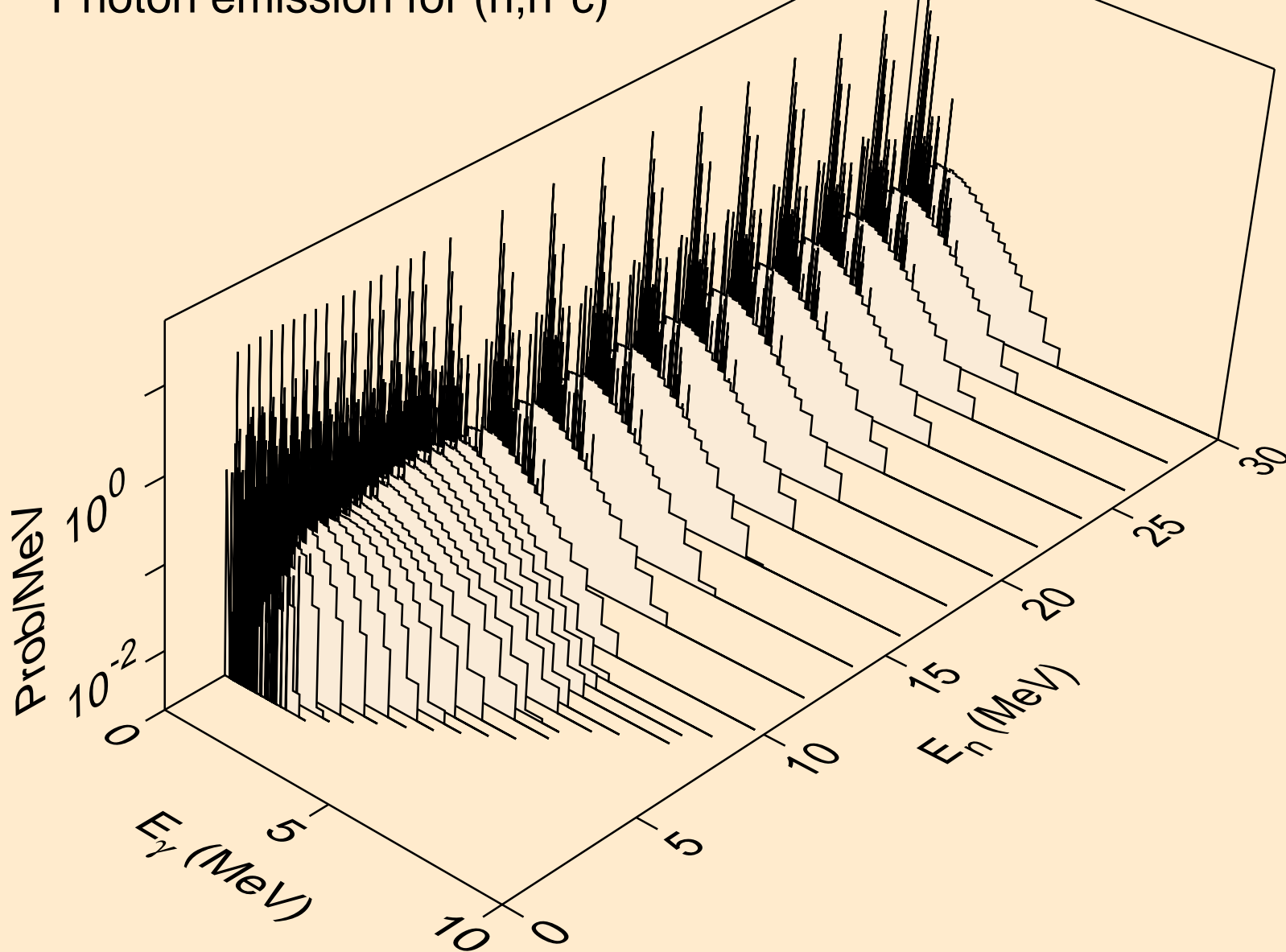




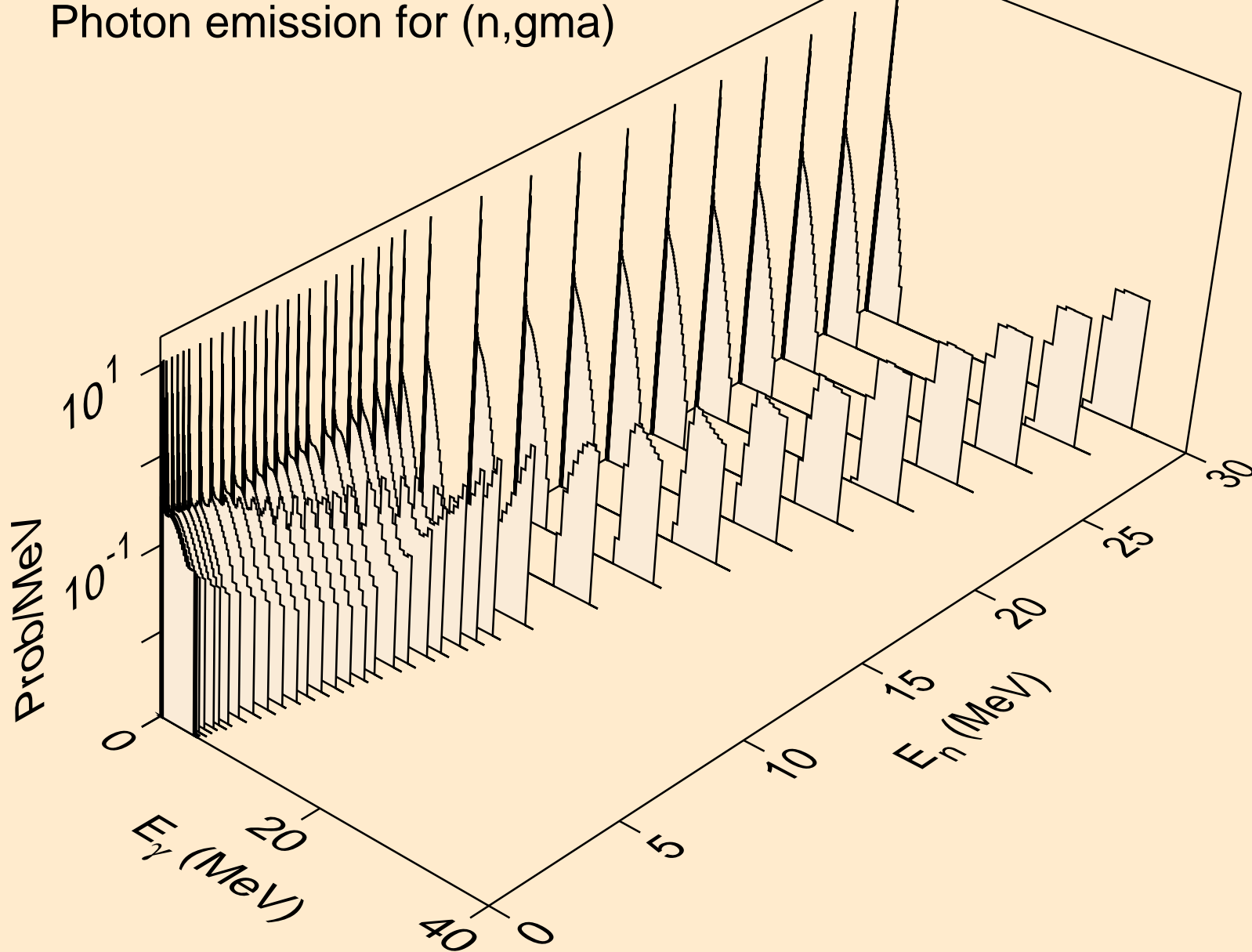
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)



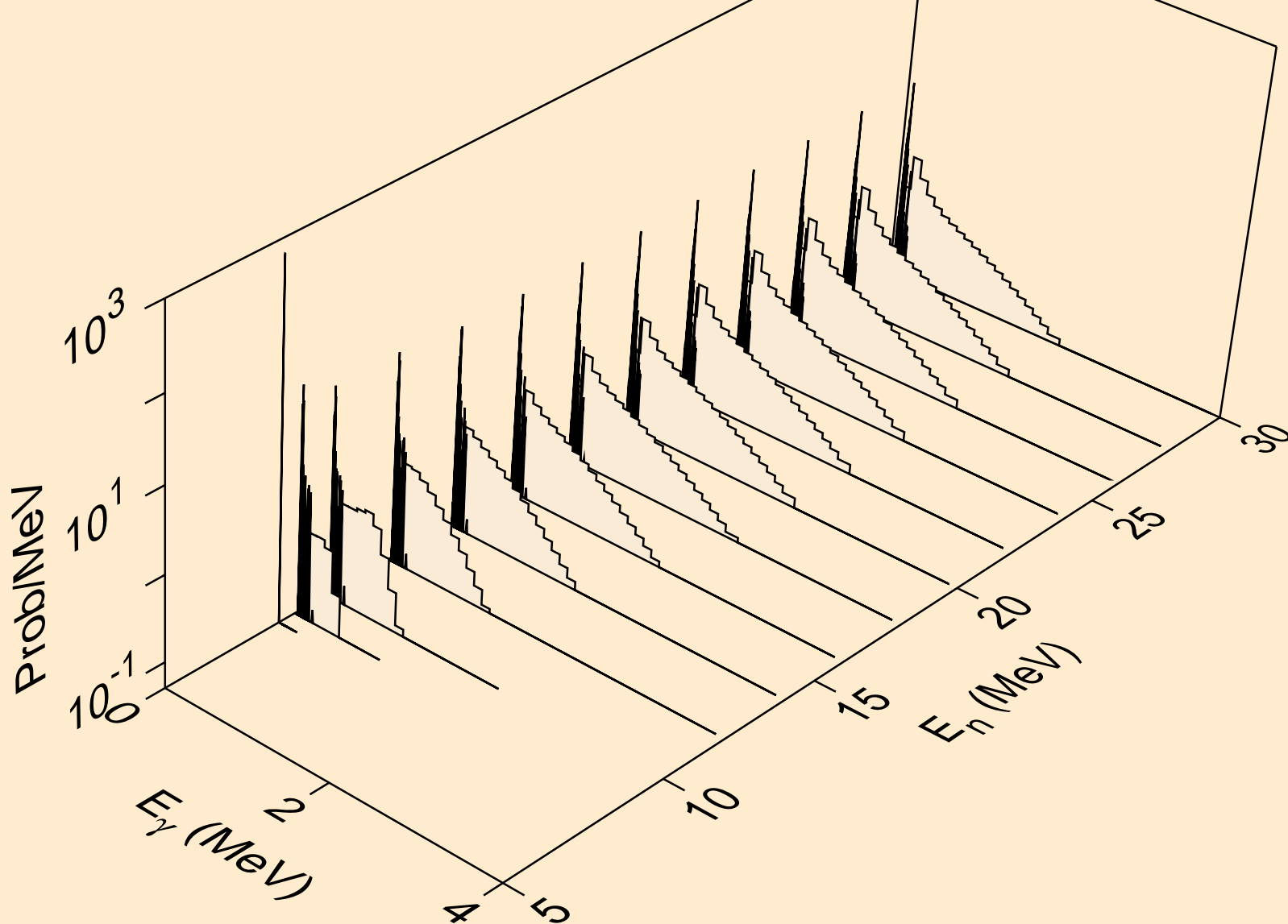
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



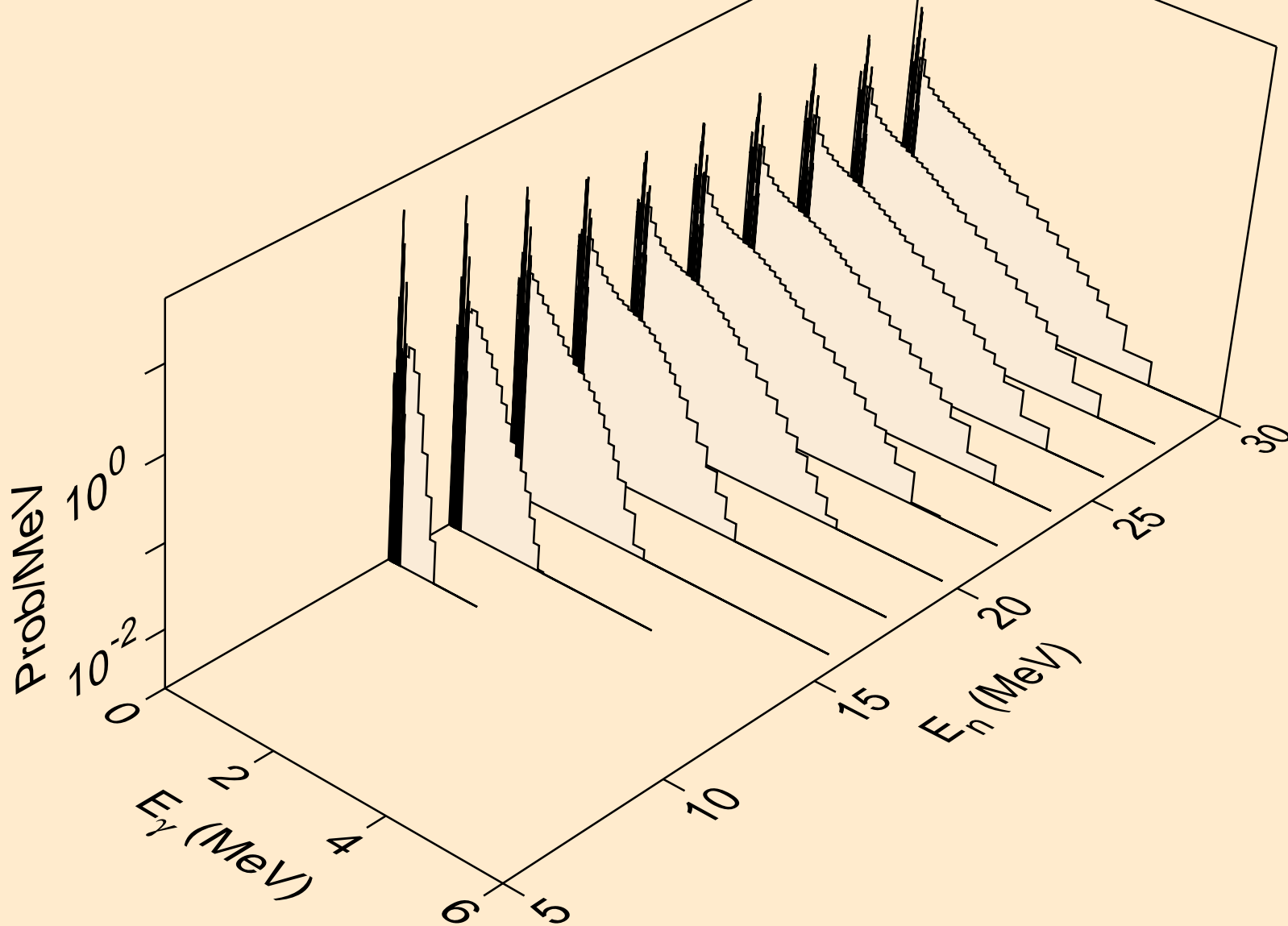
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)



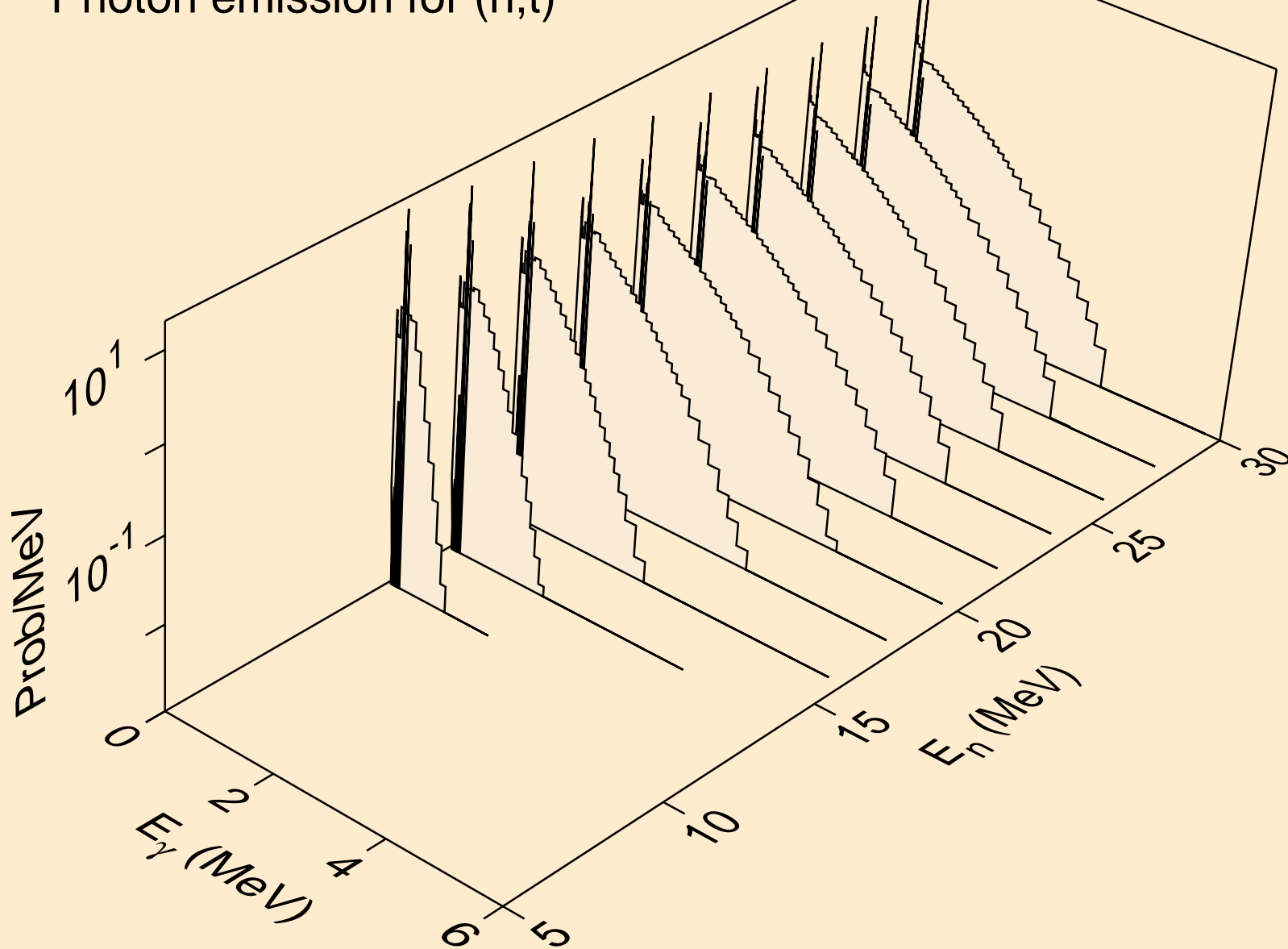
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



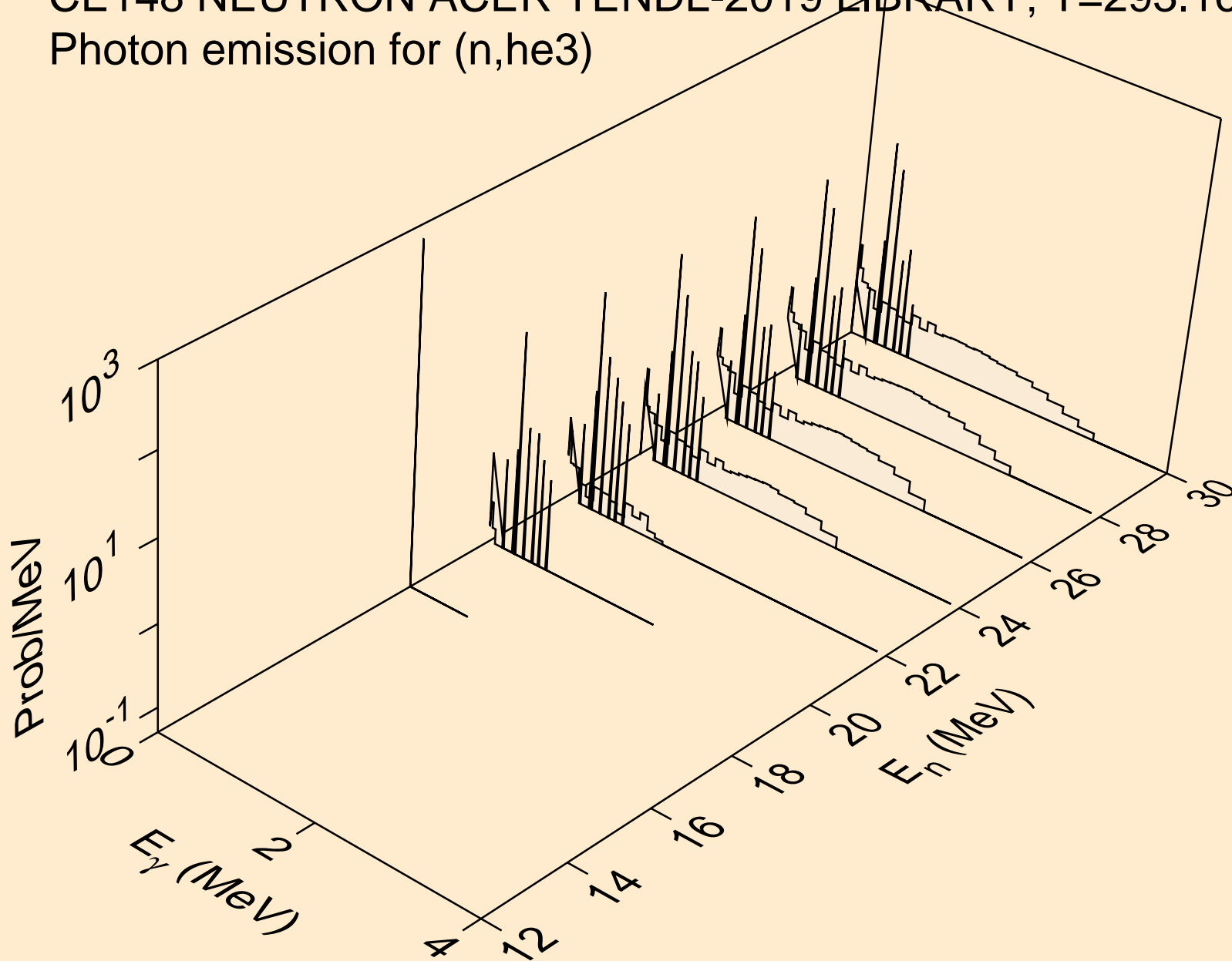
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)



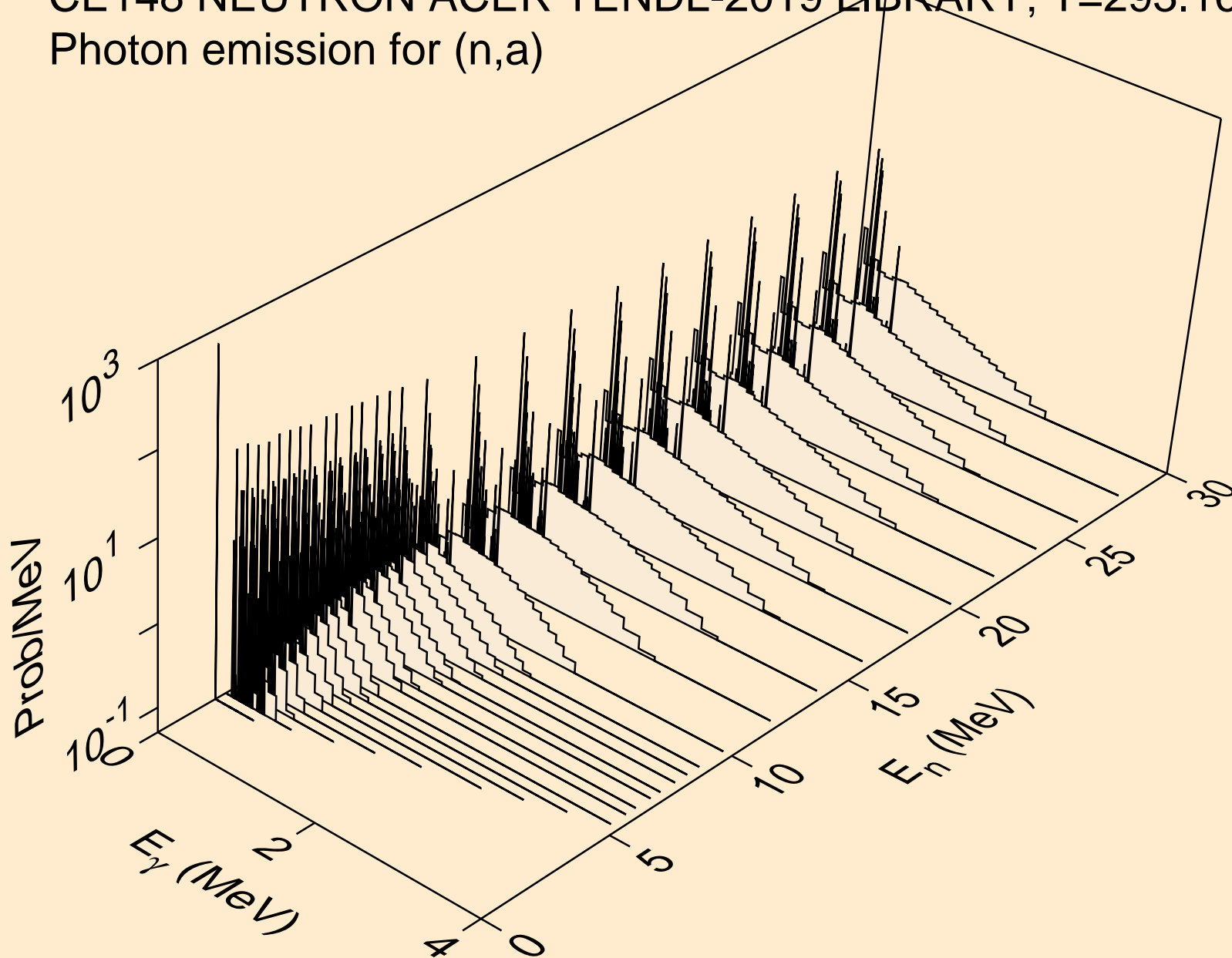
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)

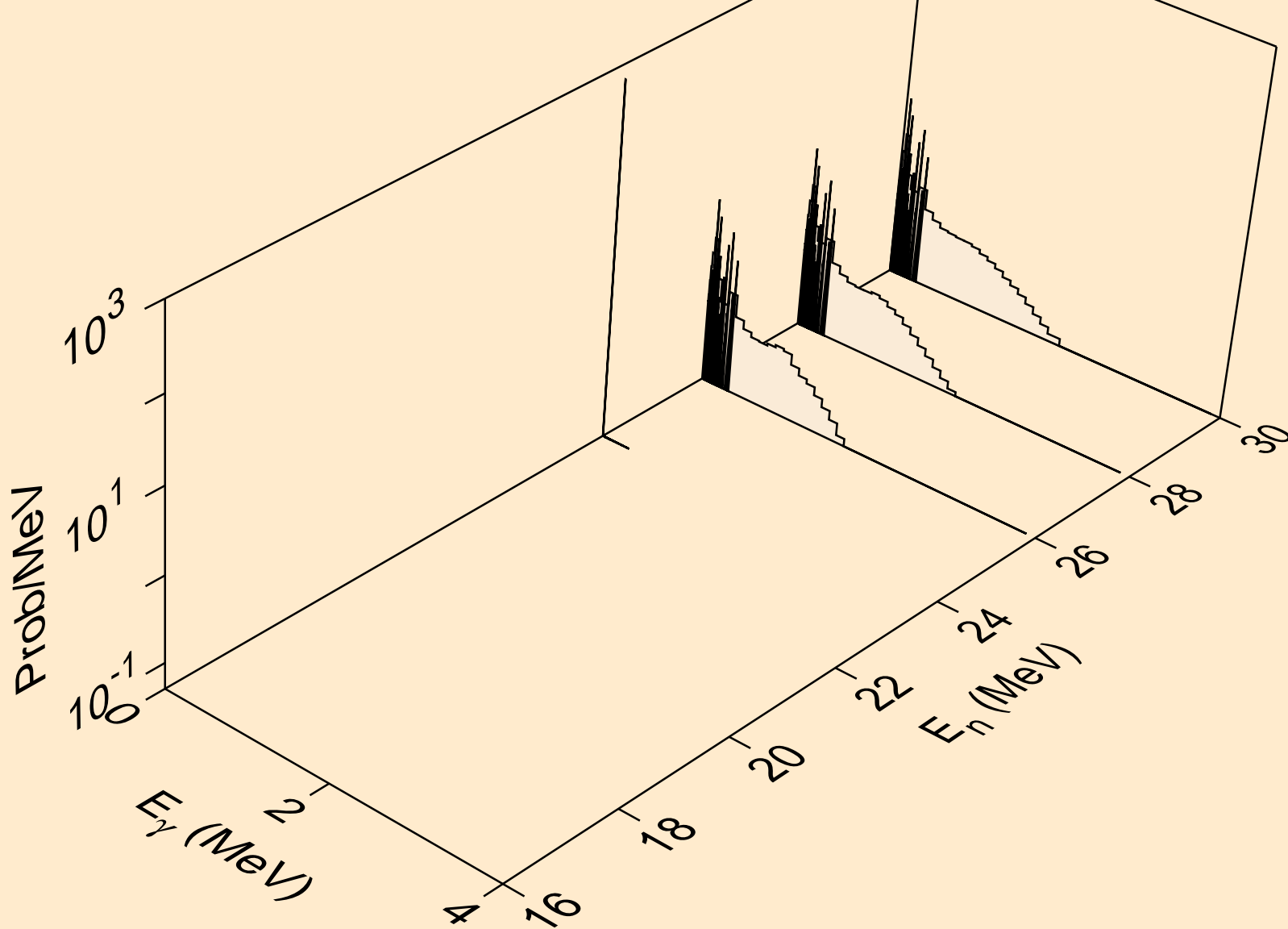


CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)

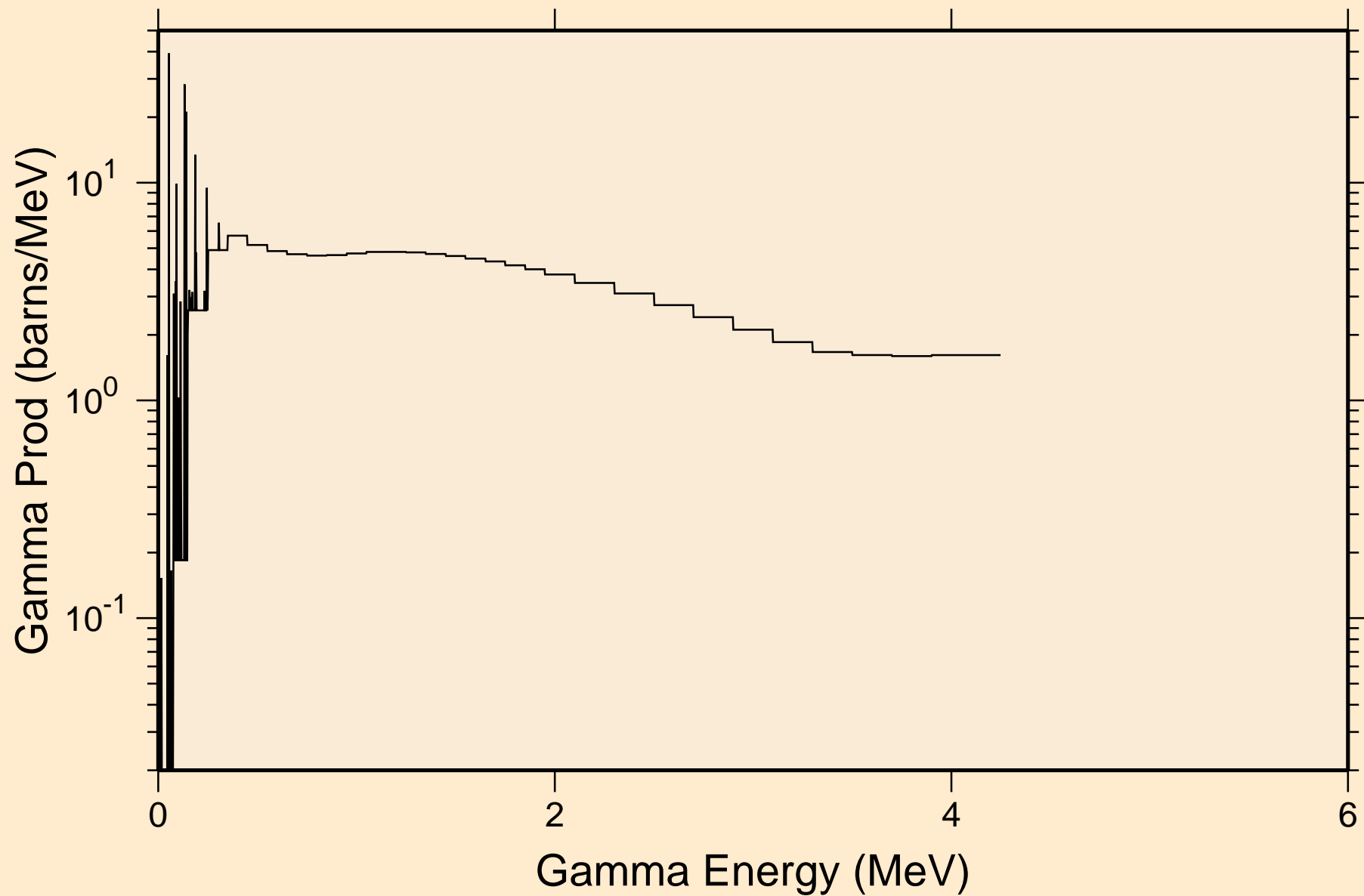




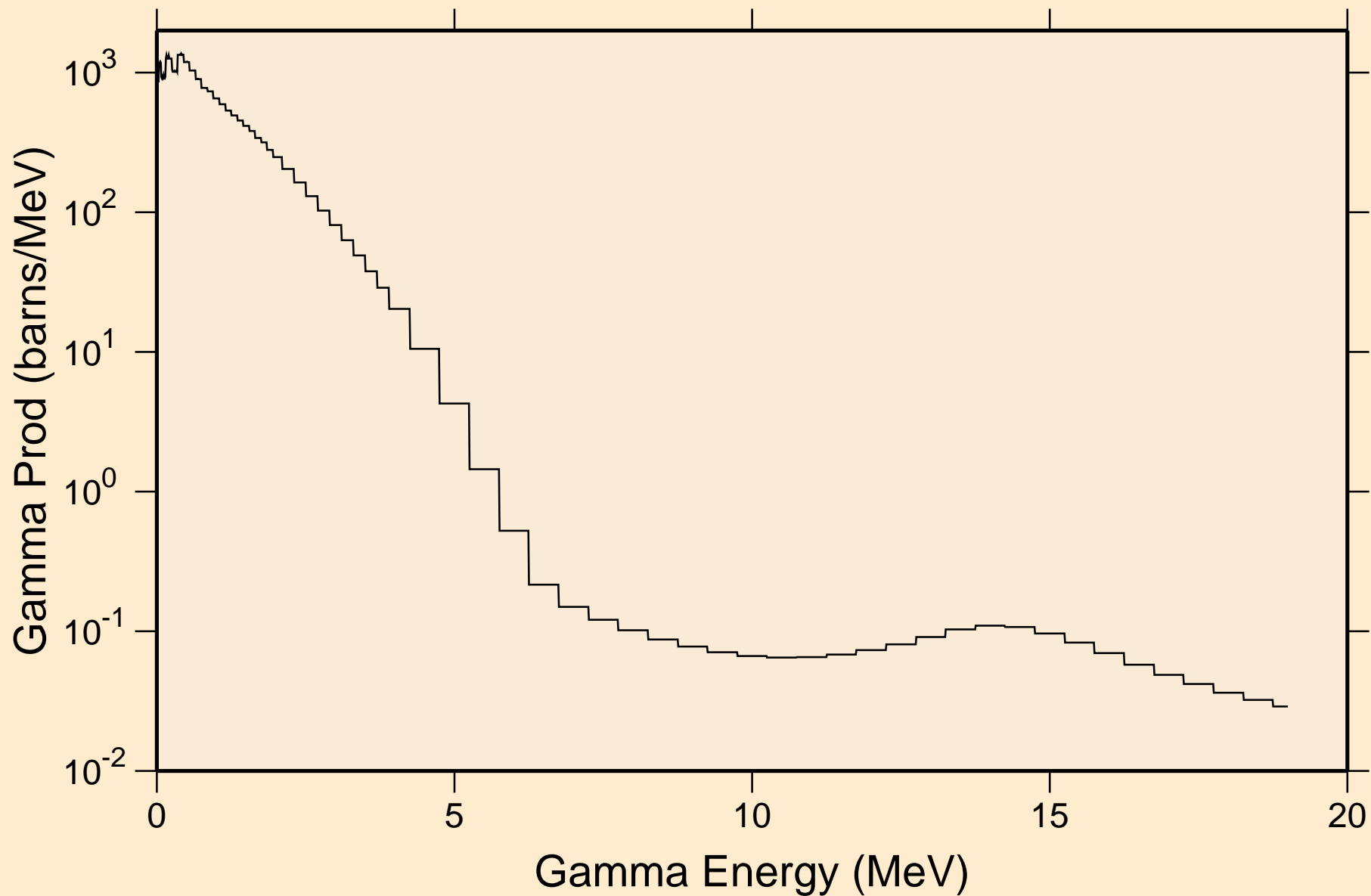
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)



CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

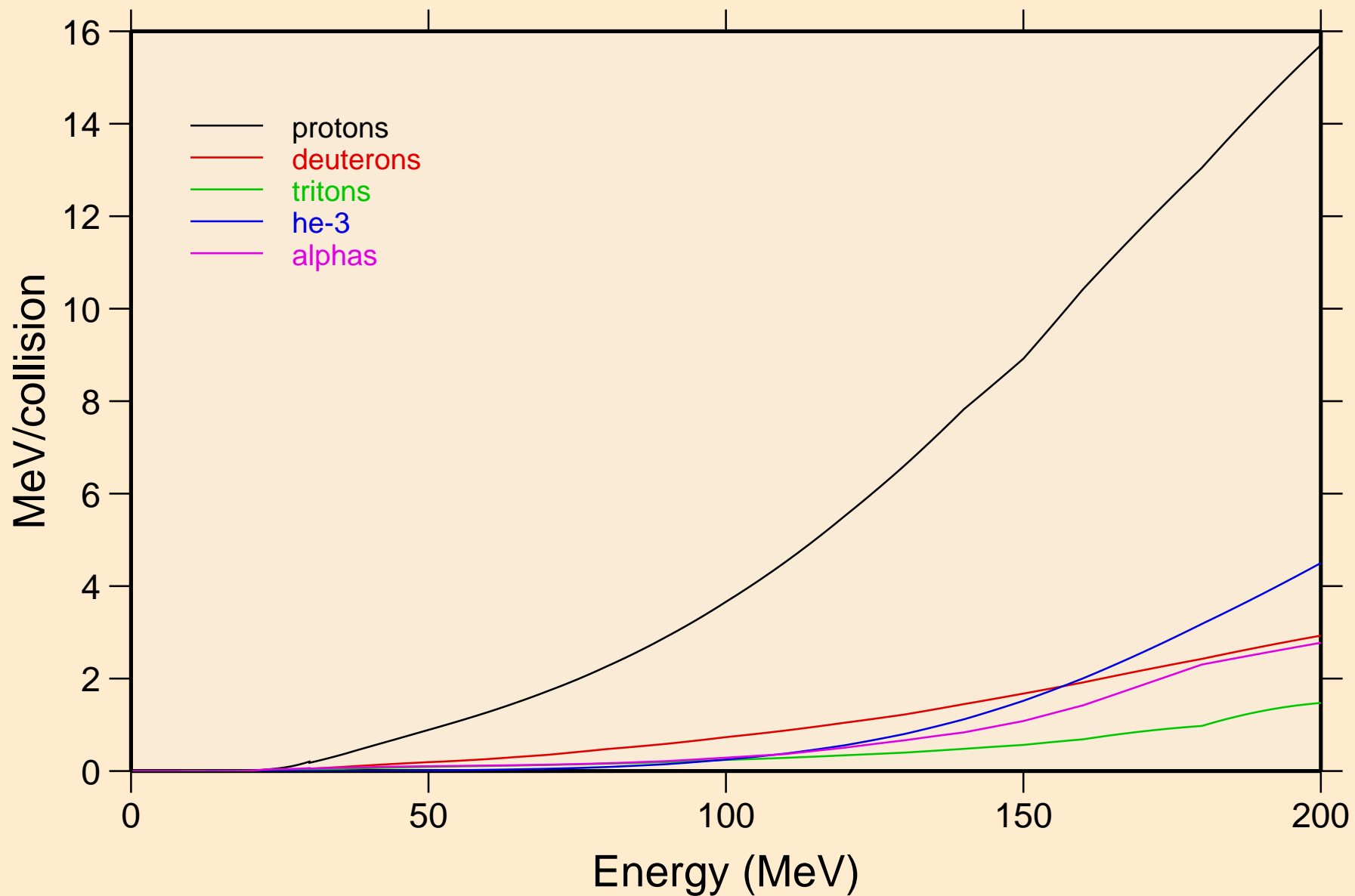


CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

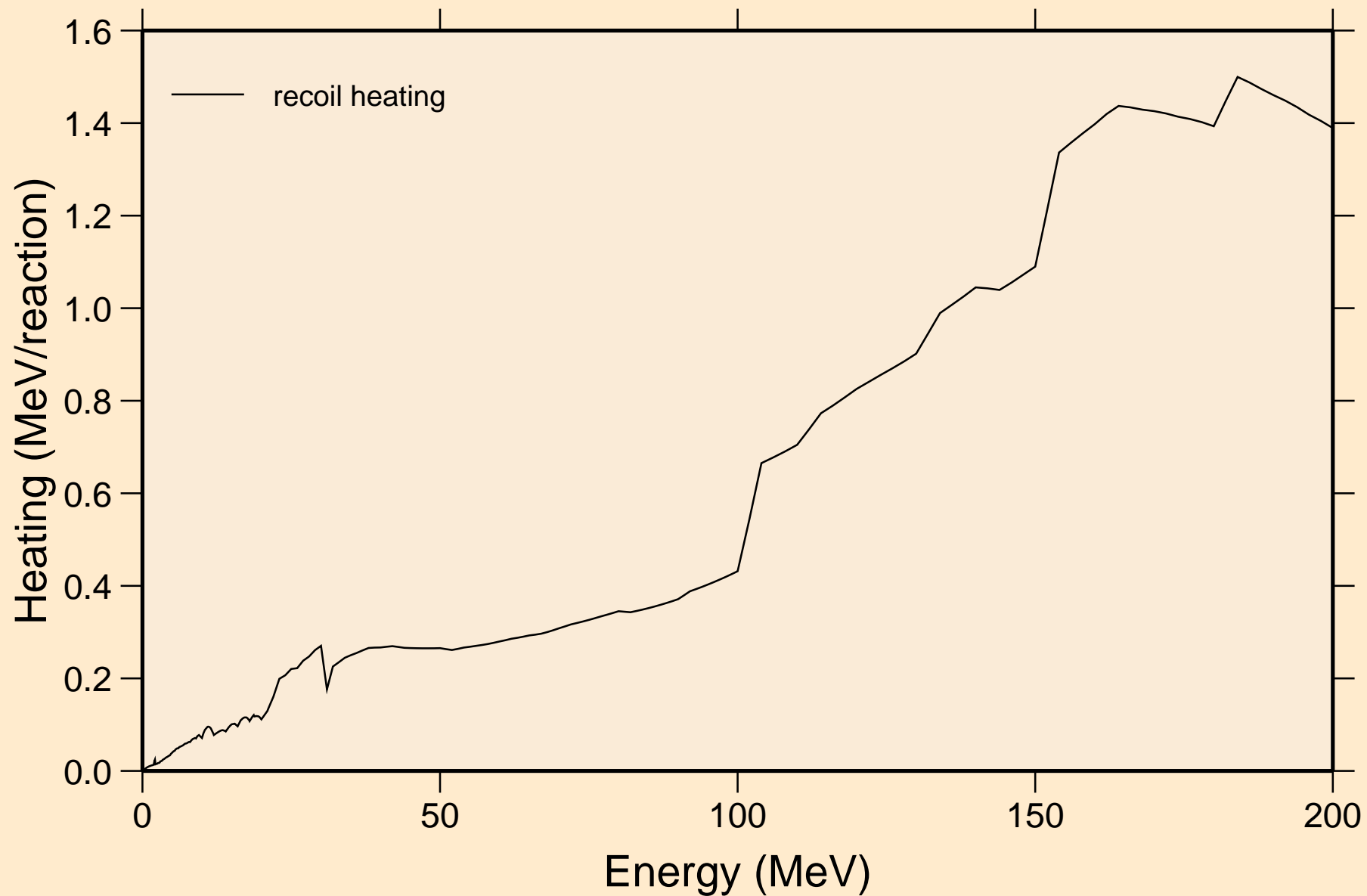


# CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

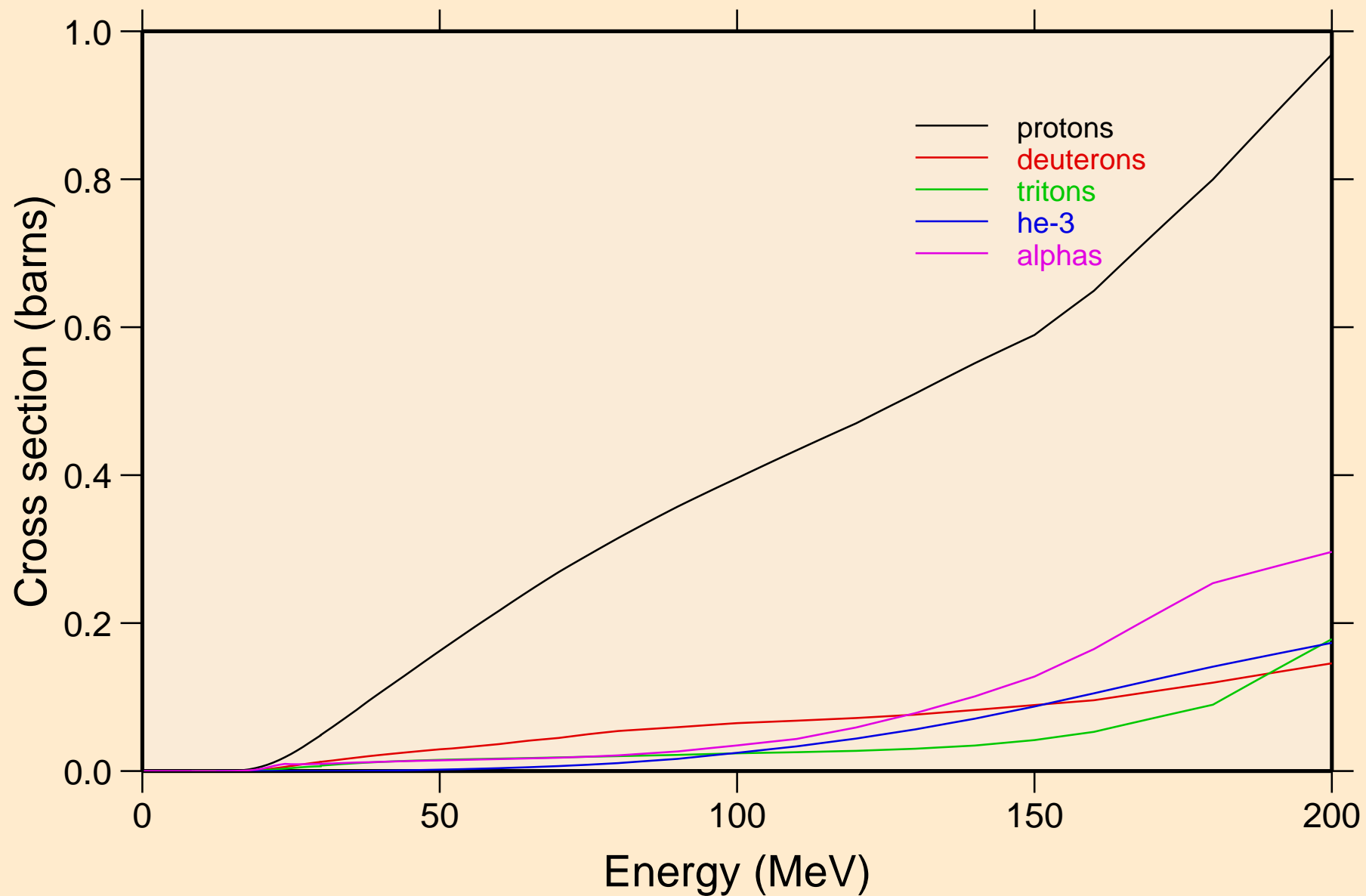
## Particle heating contributions



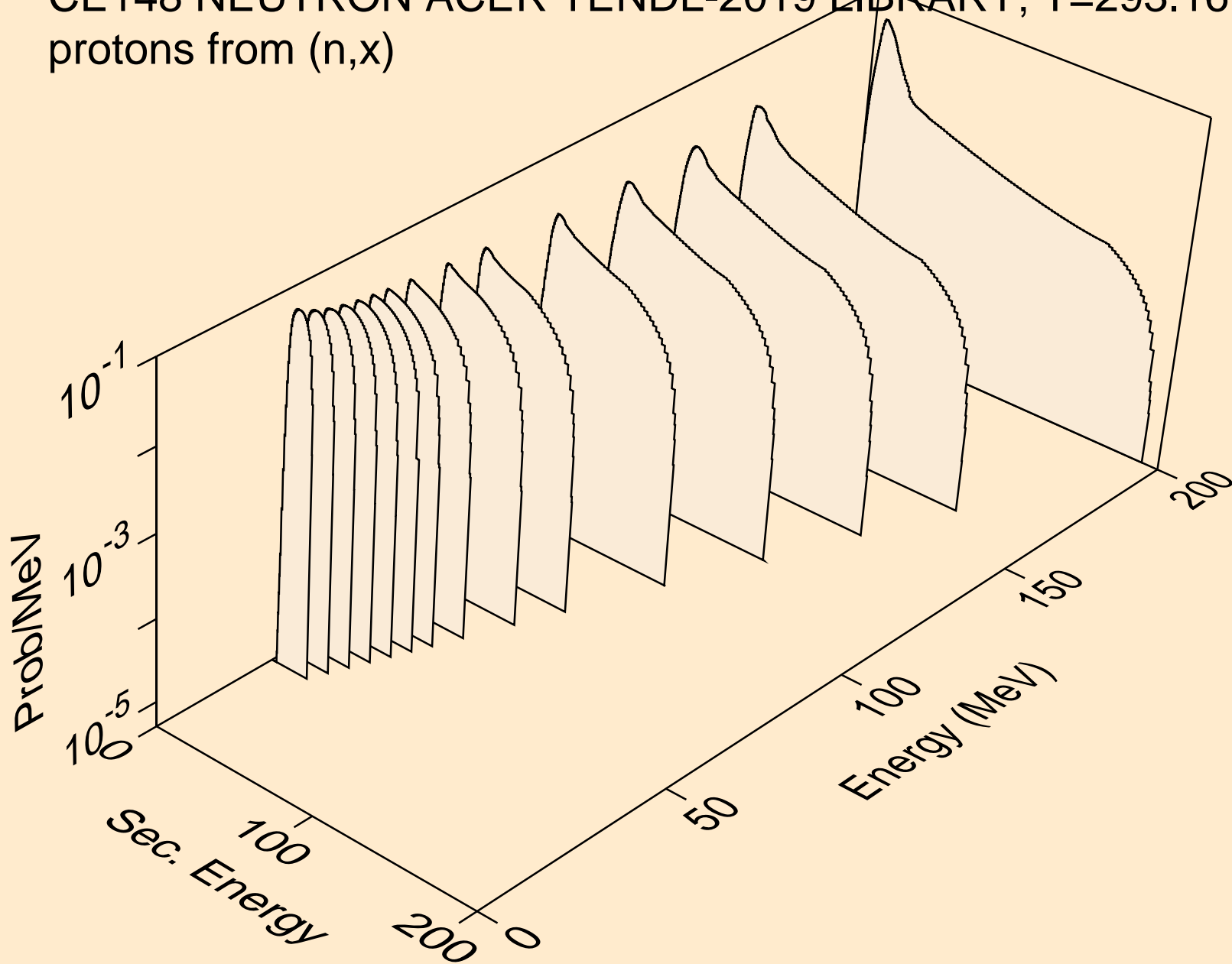
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating



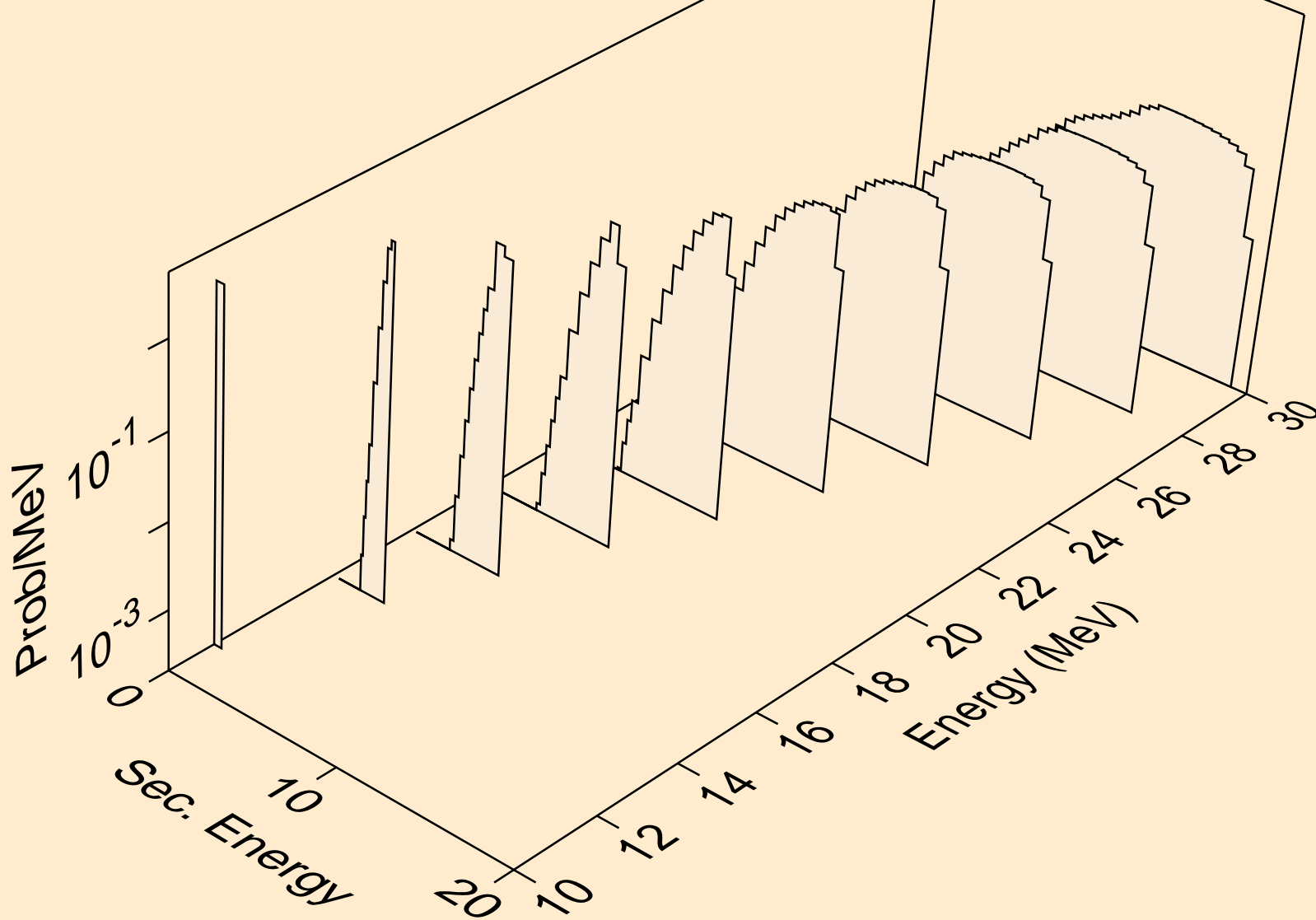
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle production cross sections



CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)

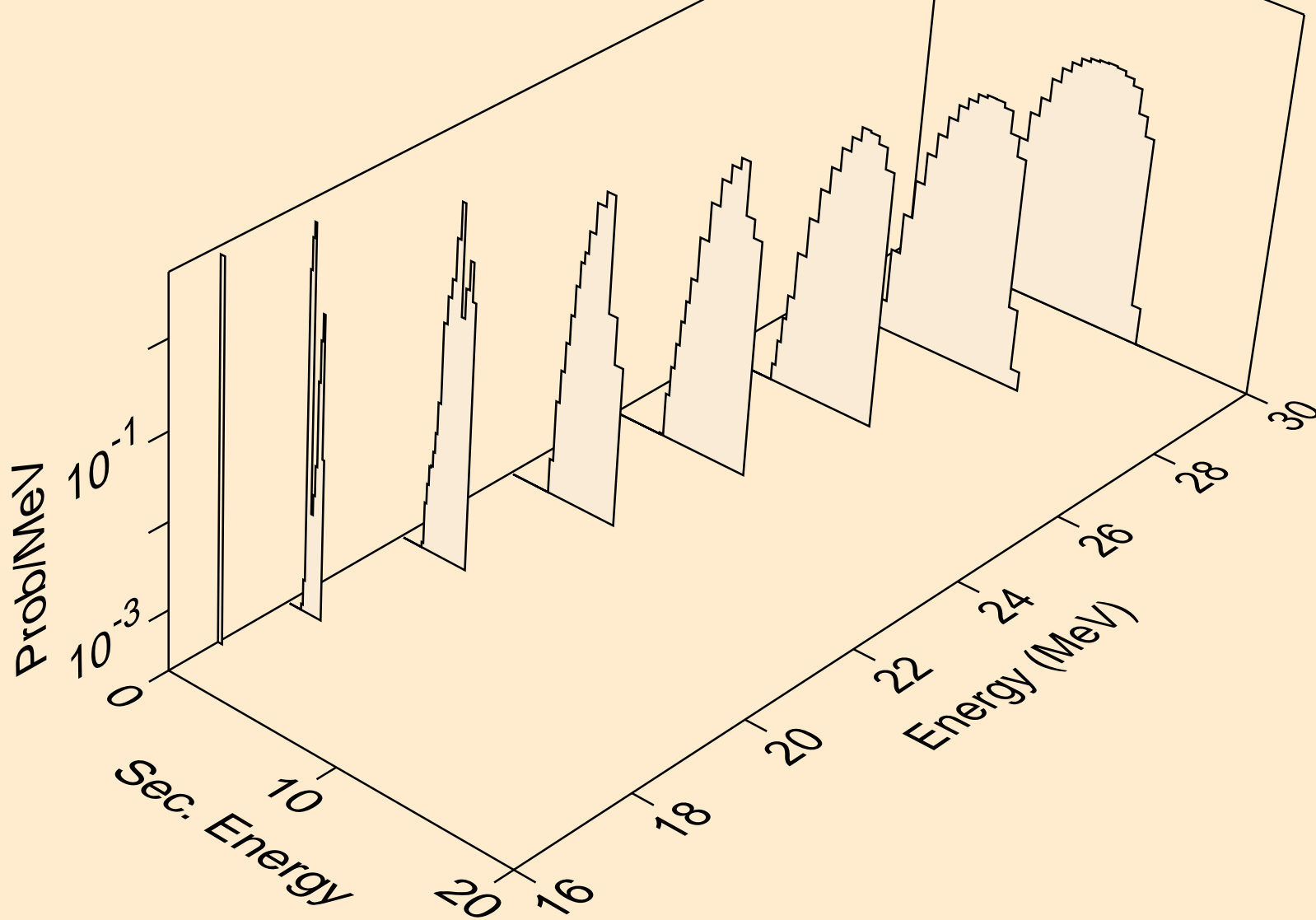


CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p

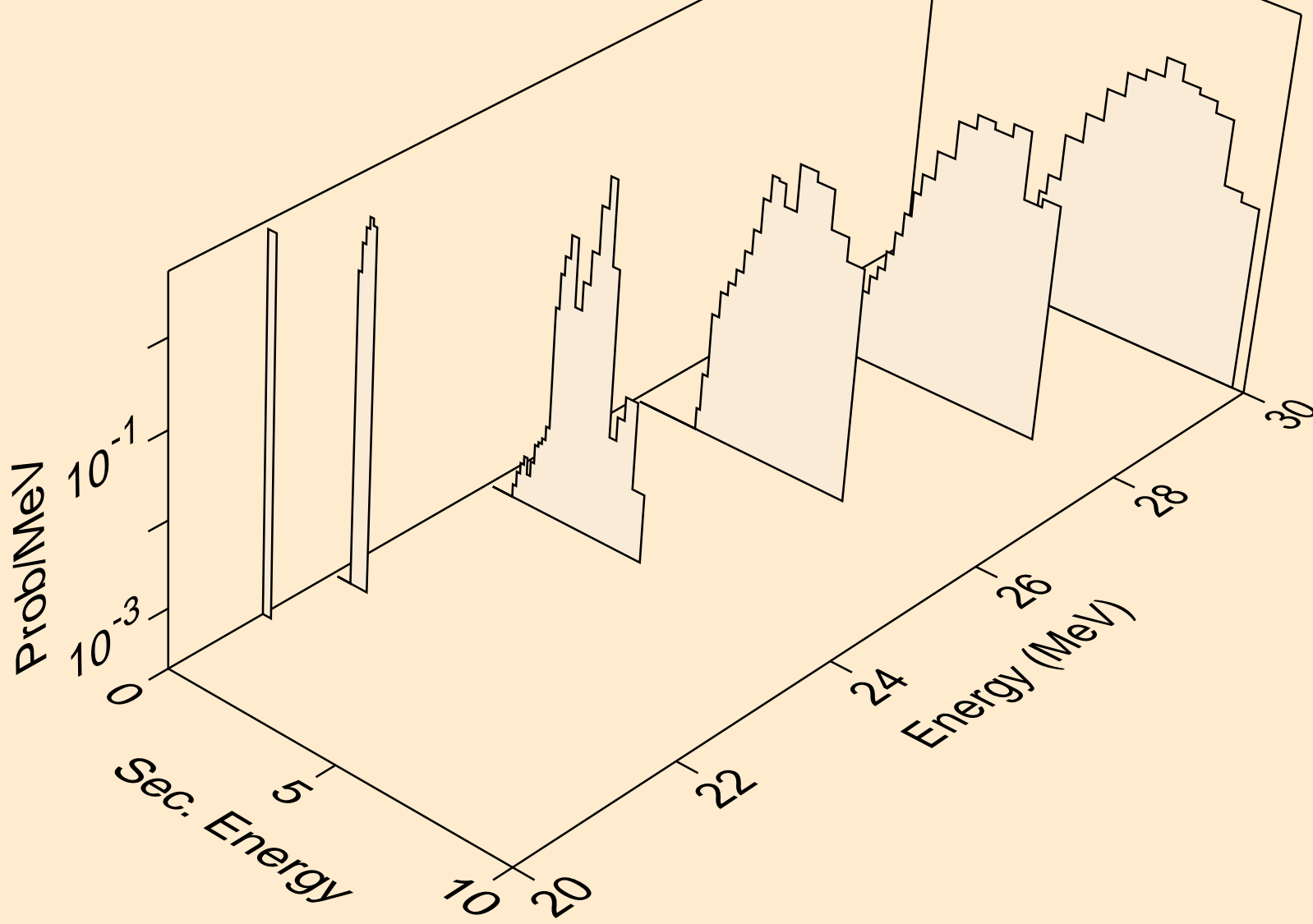




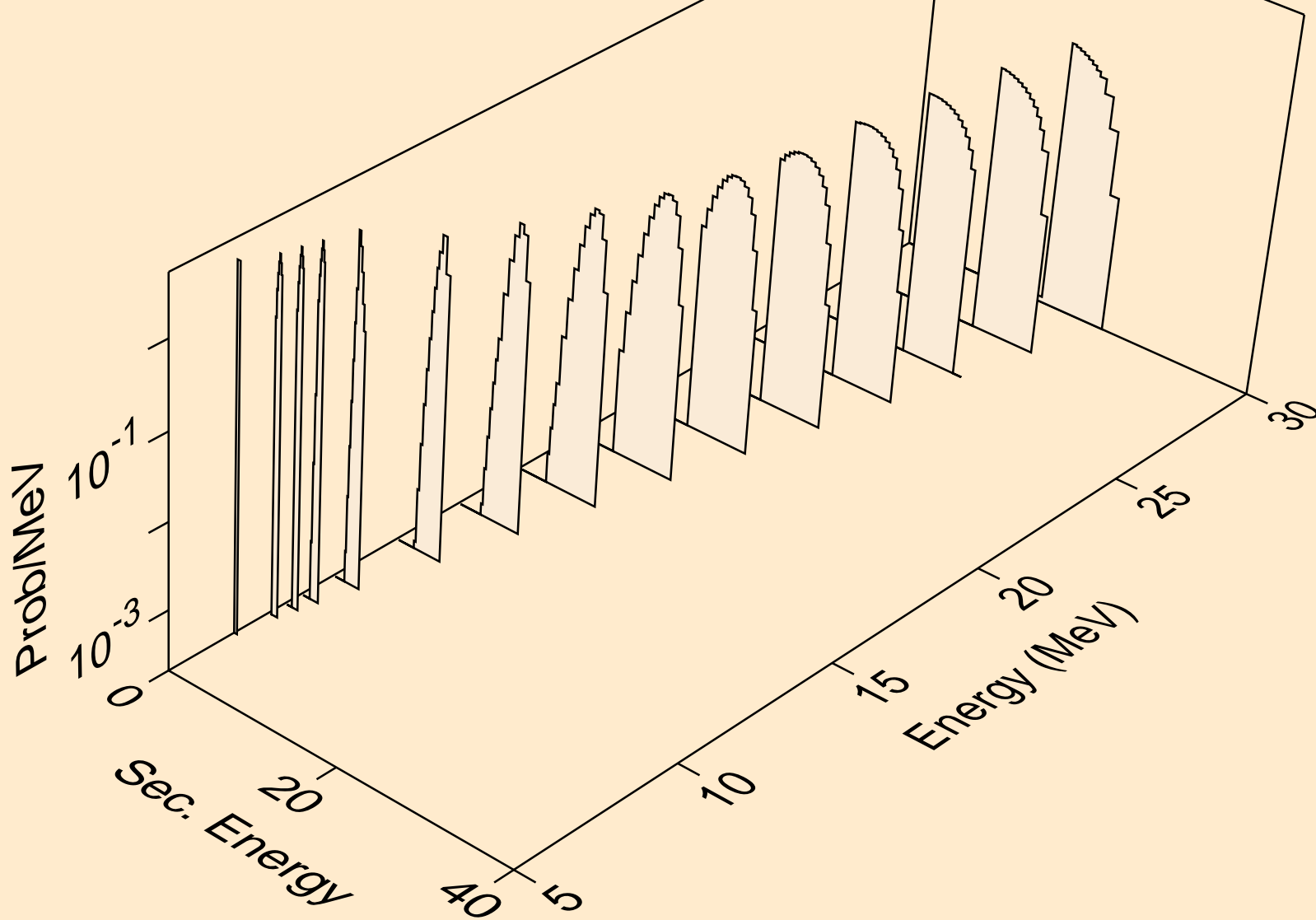
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



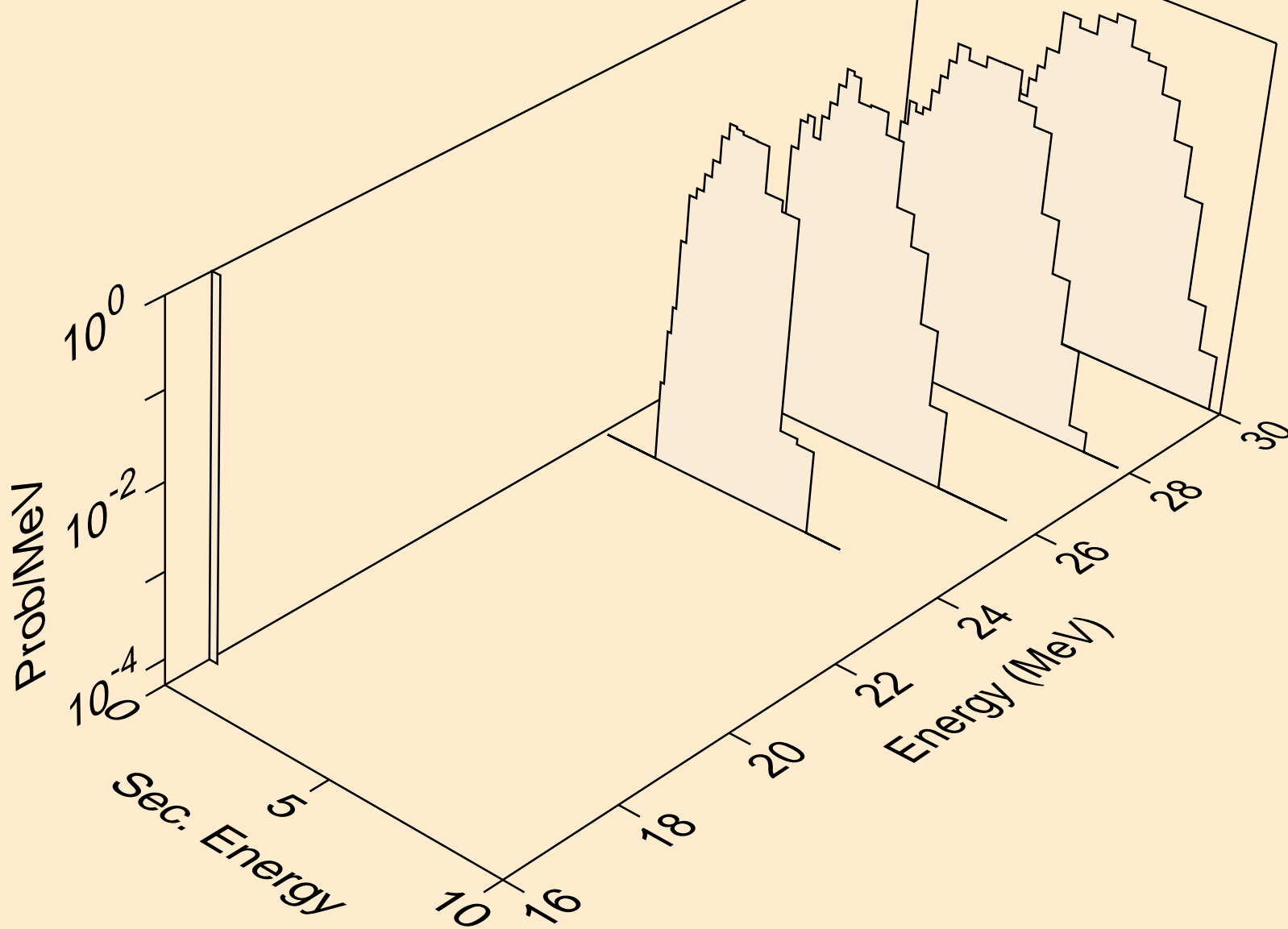
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)



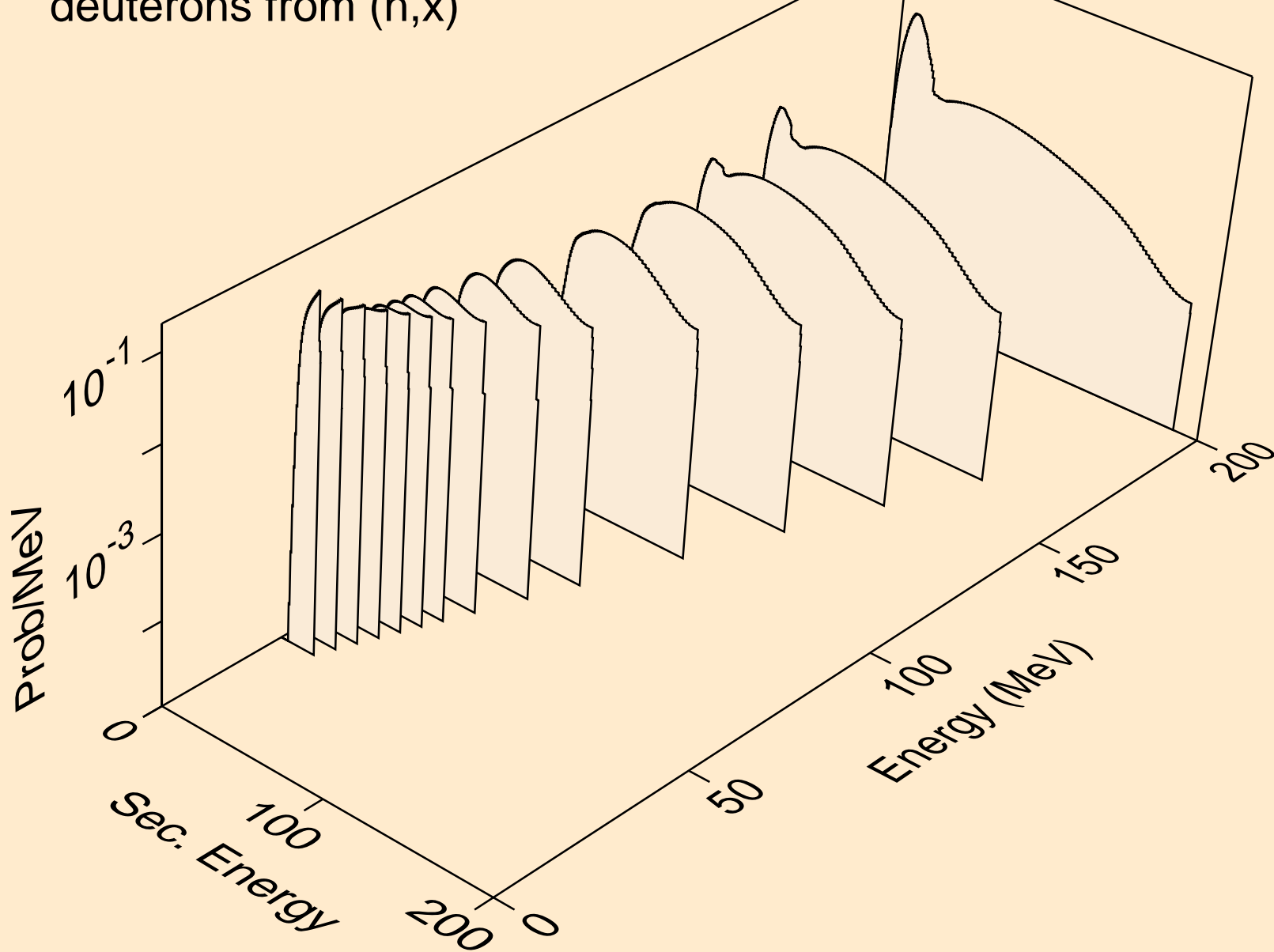
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



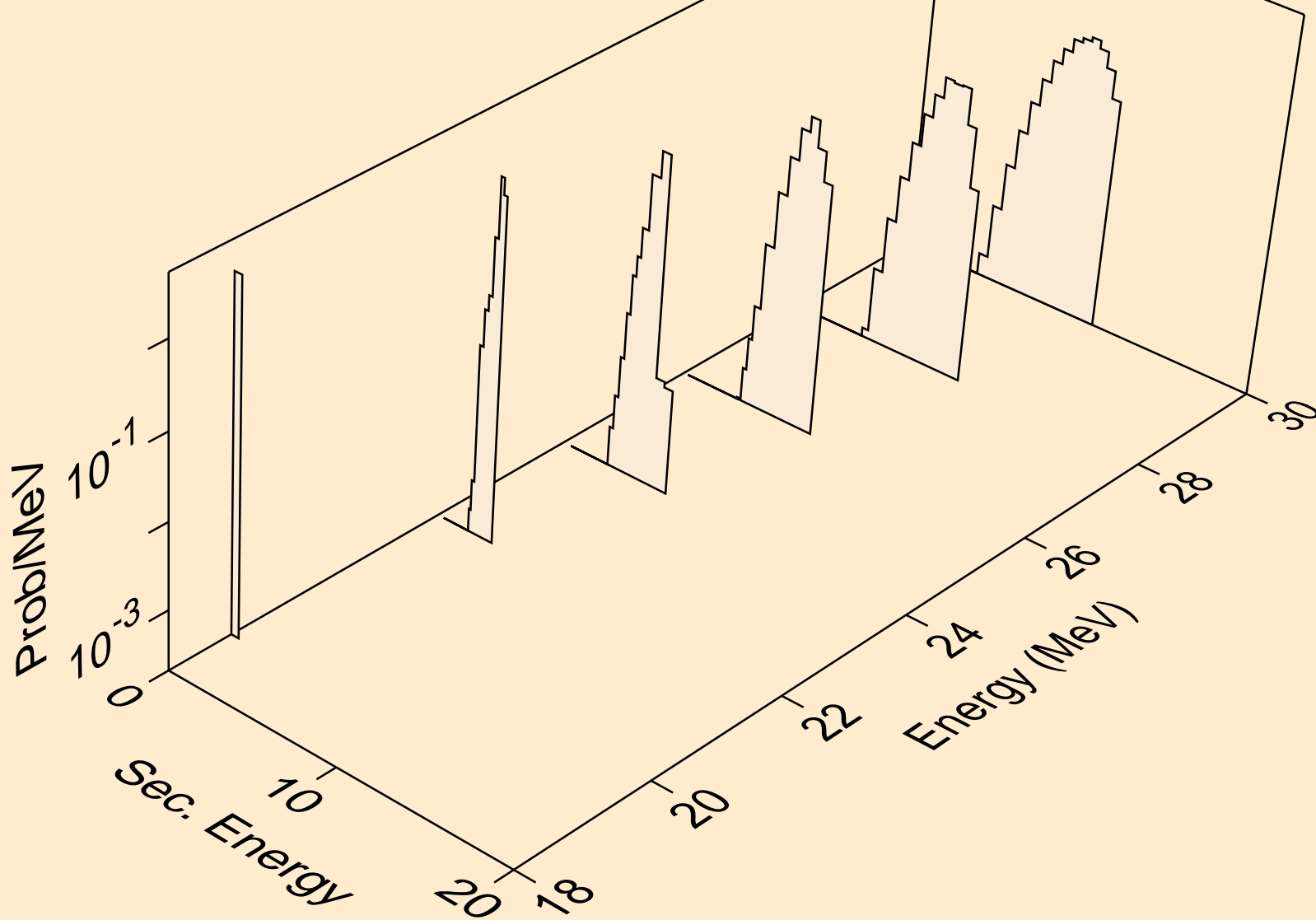
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)



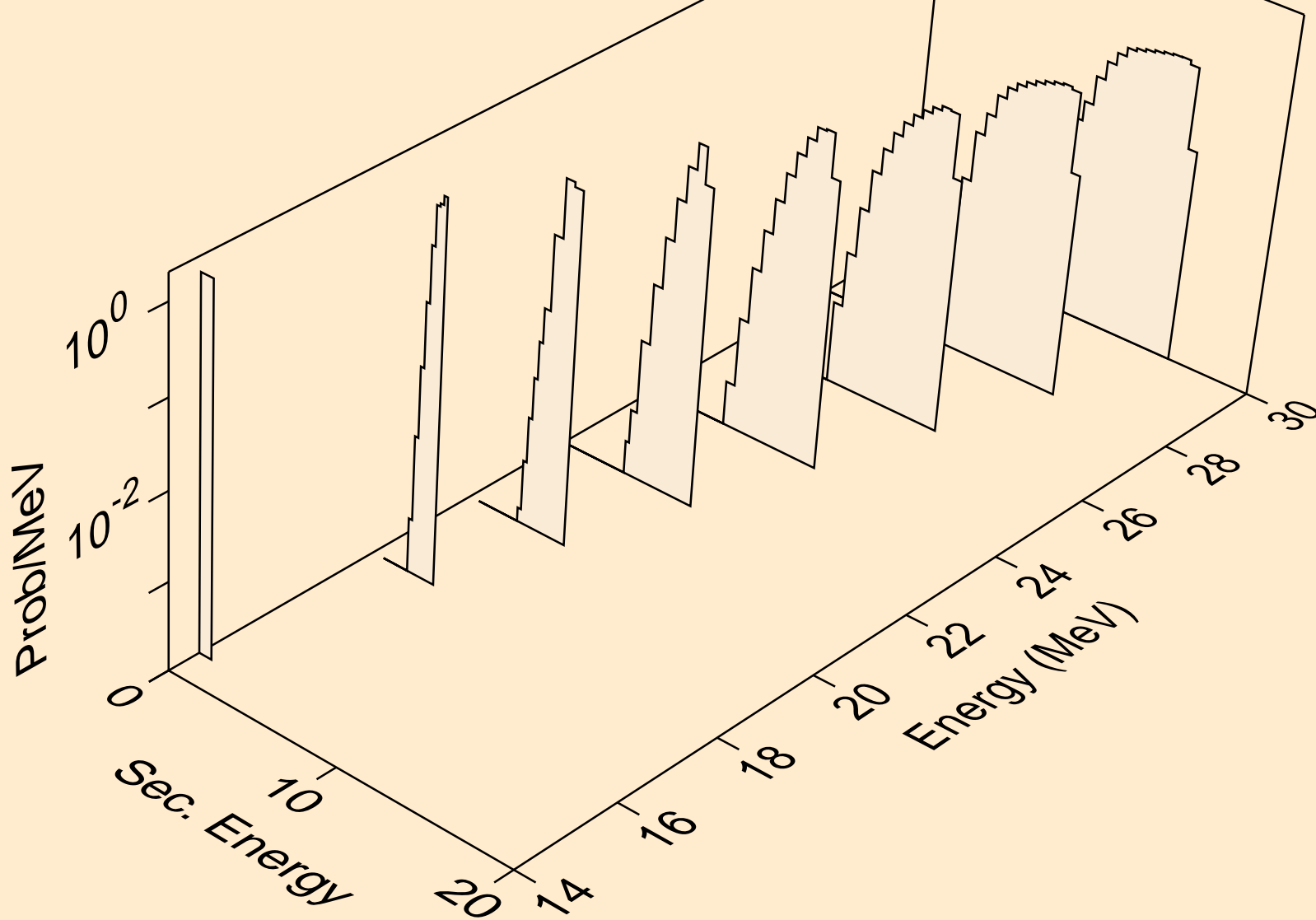
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)



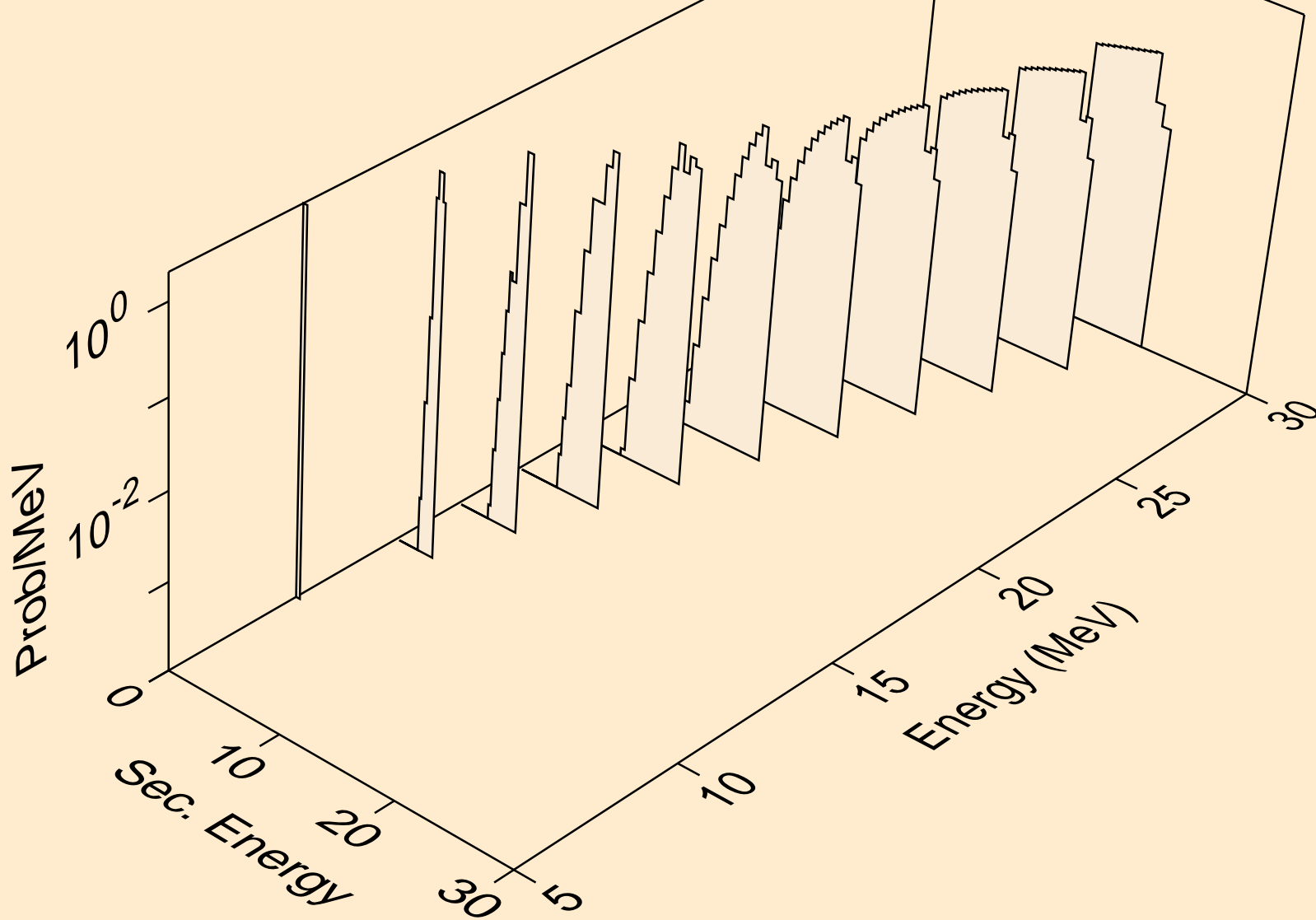
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)



CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d

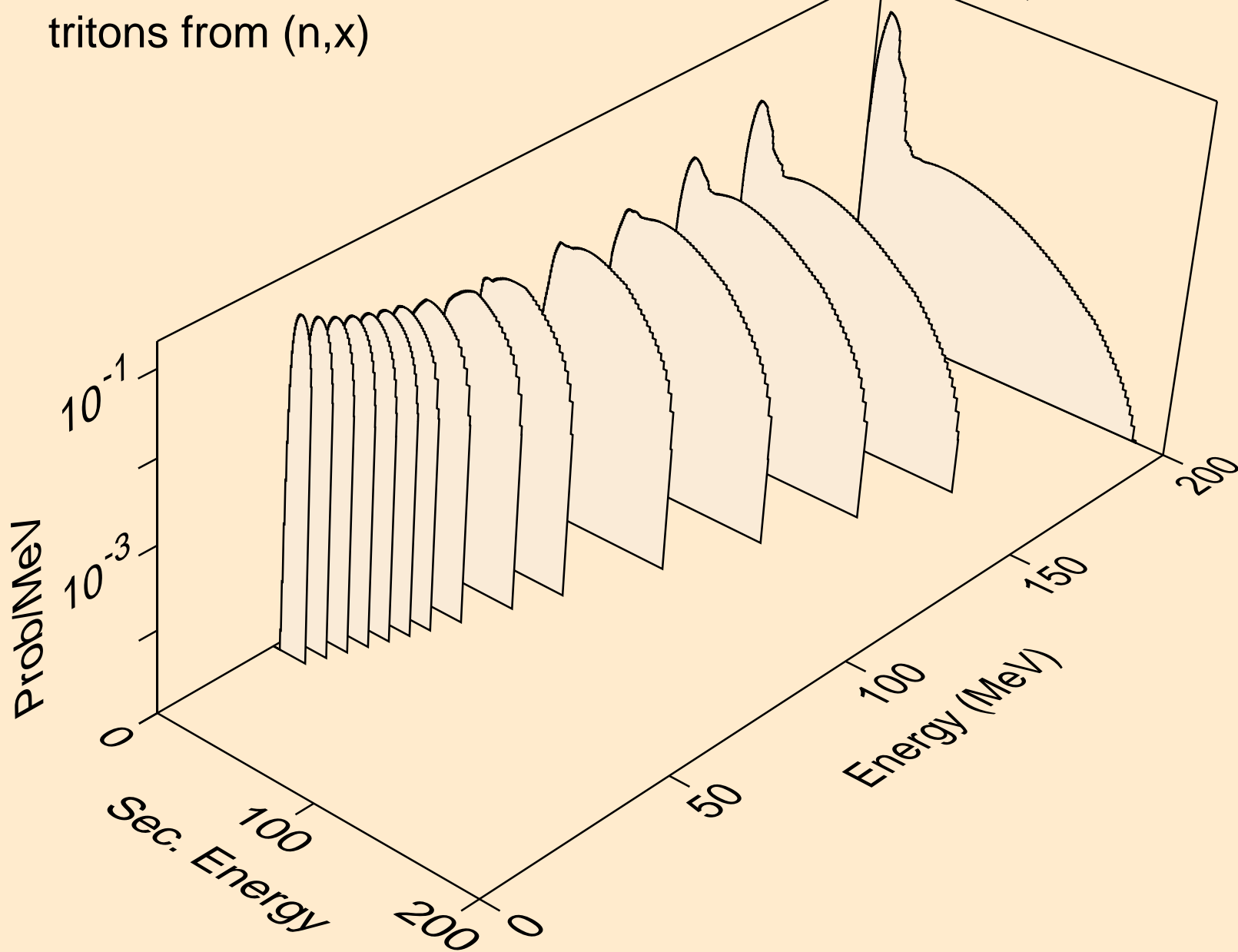


CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)

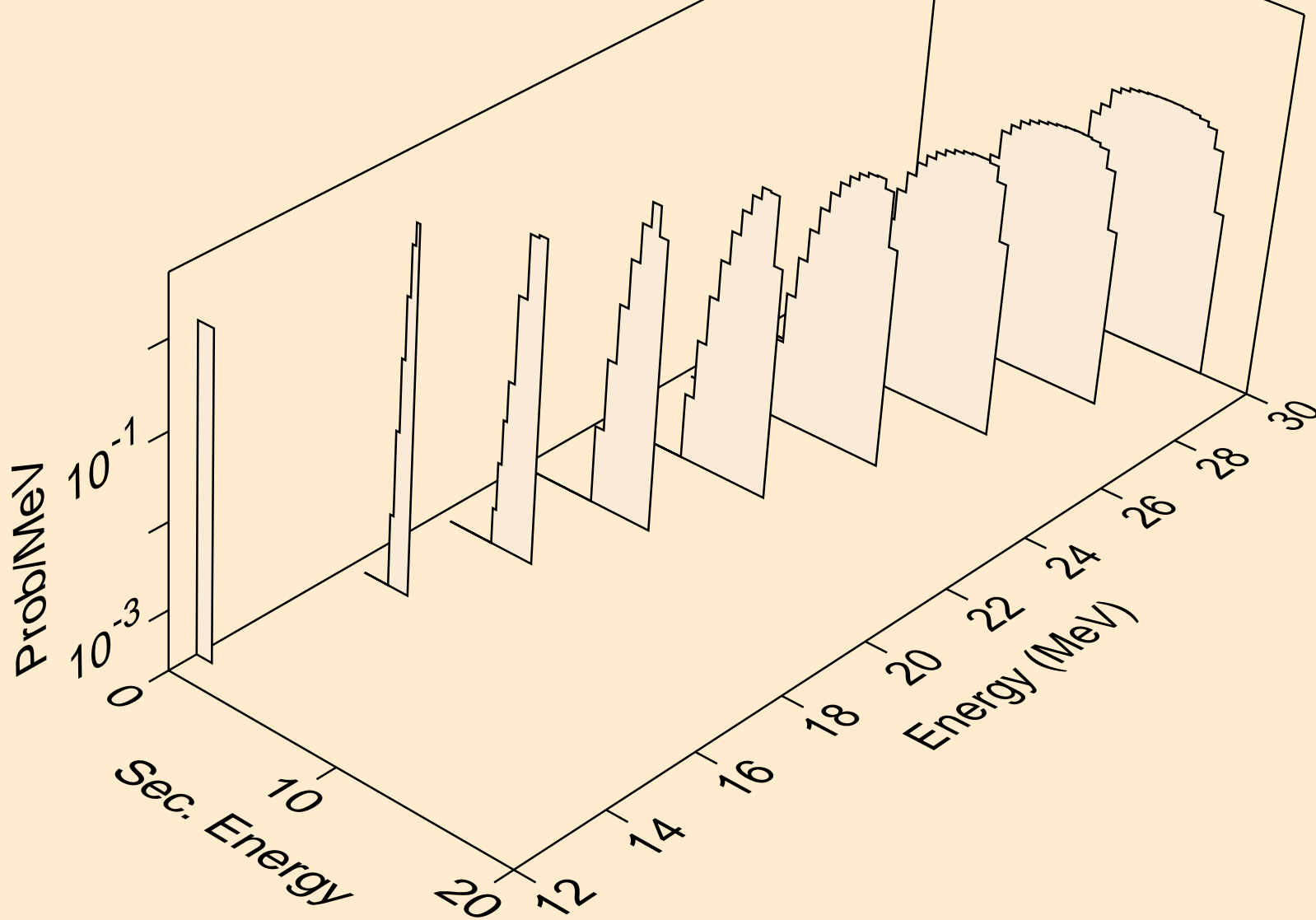




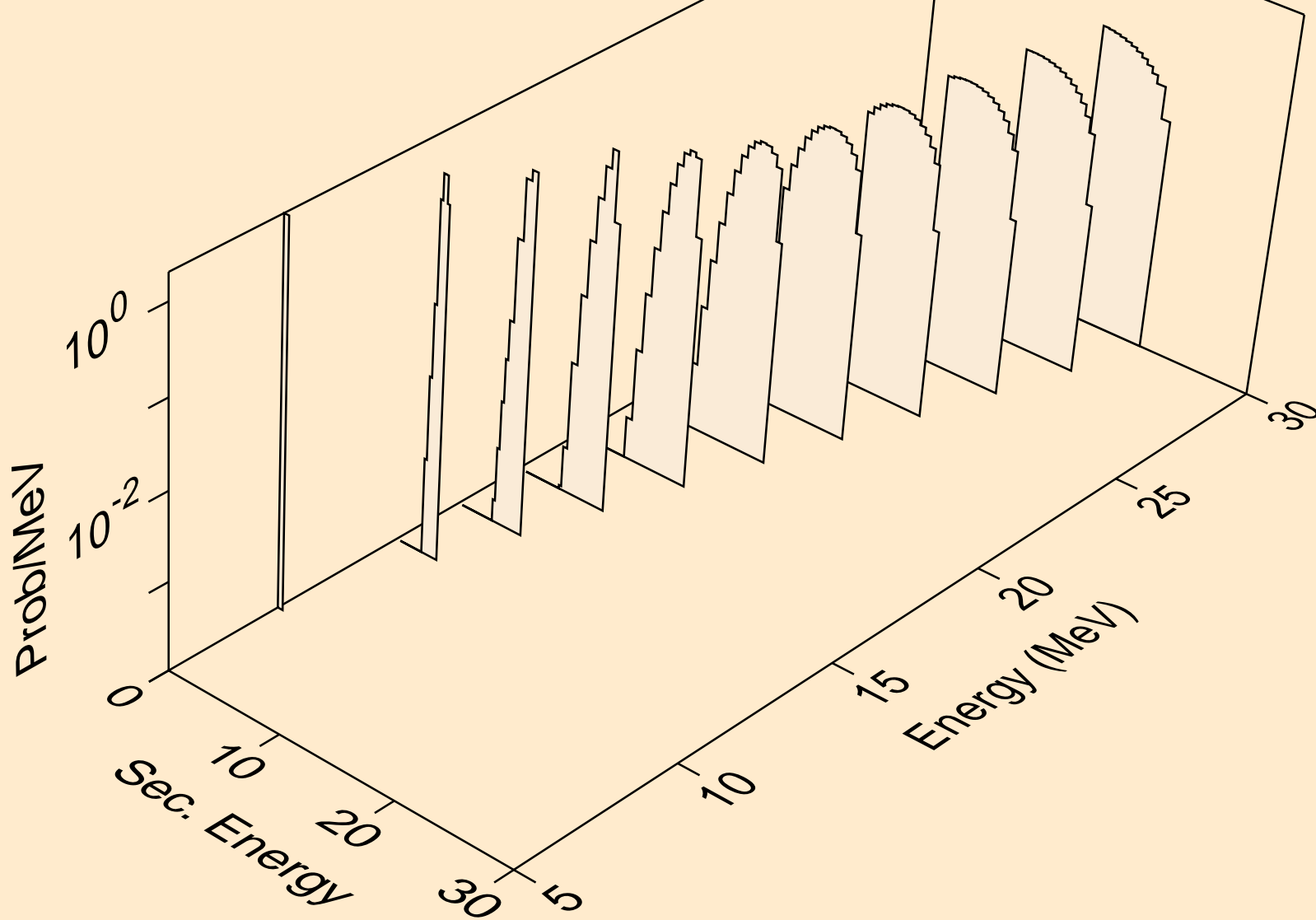
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)



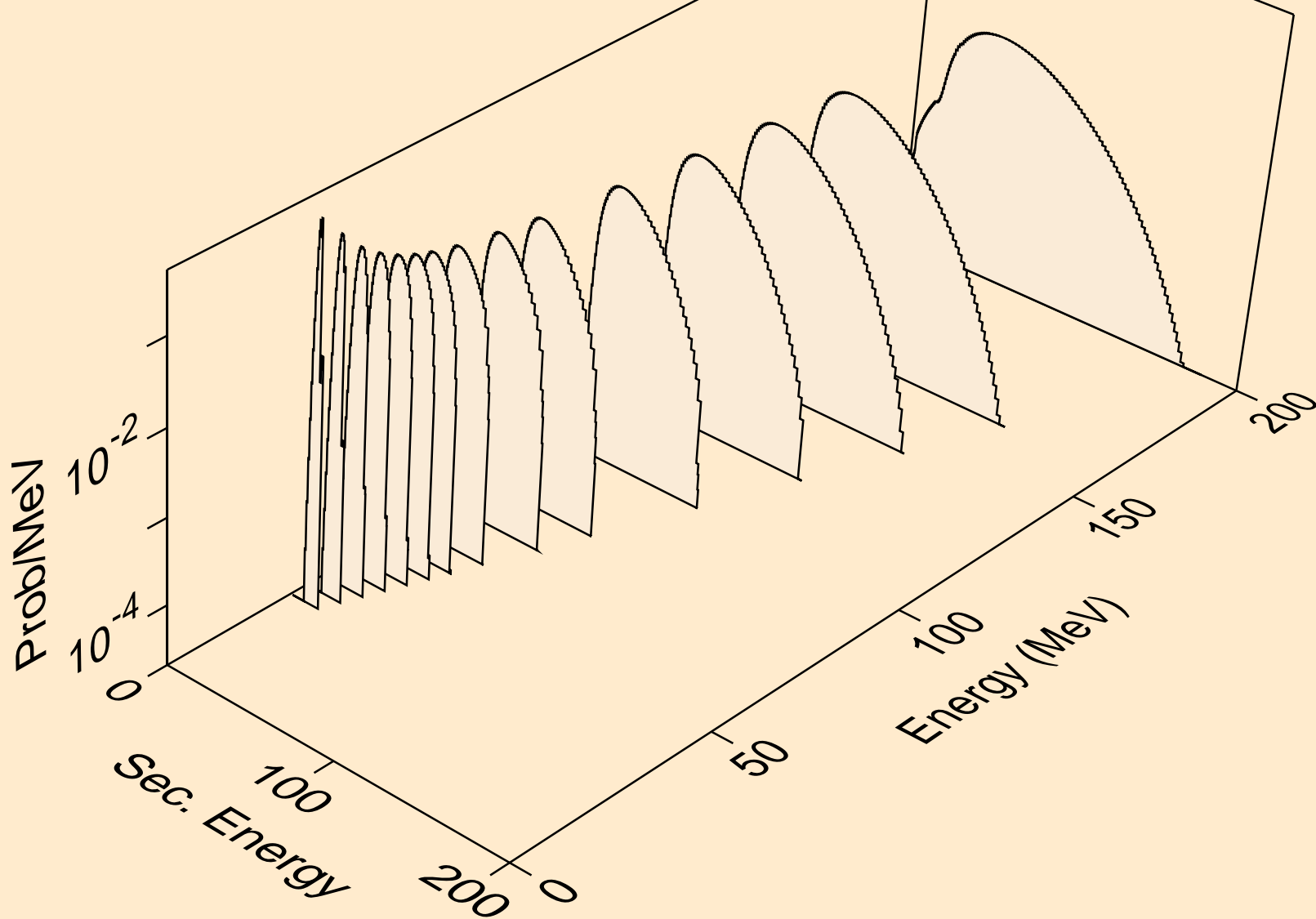
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



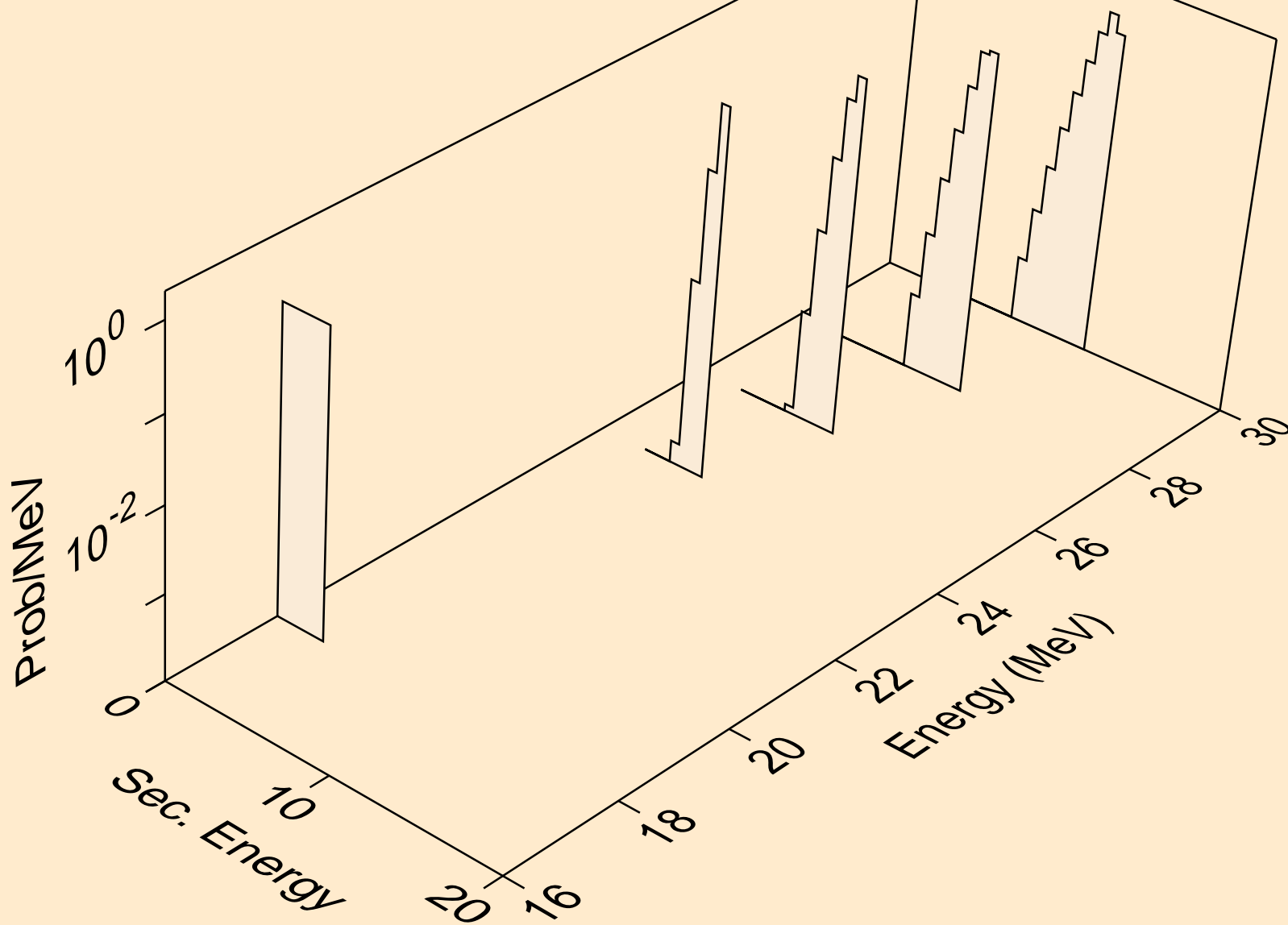
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)



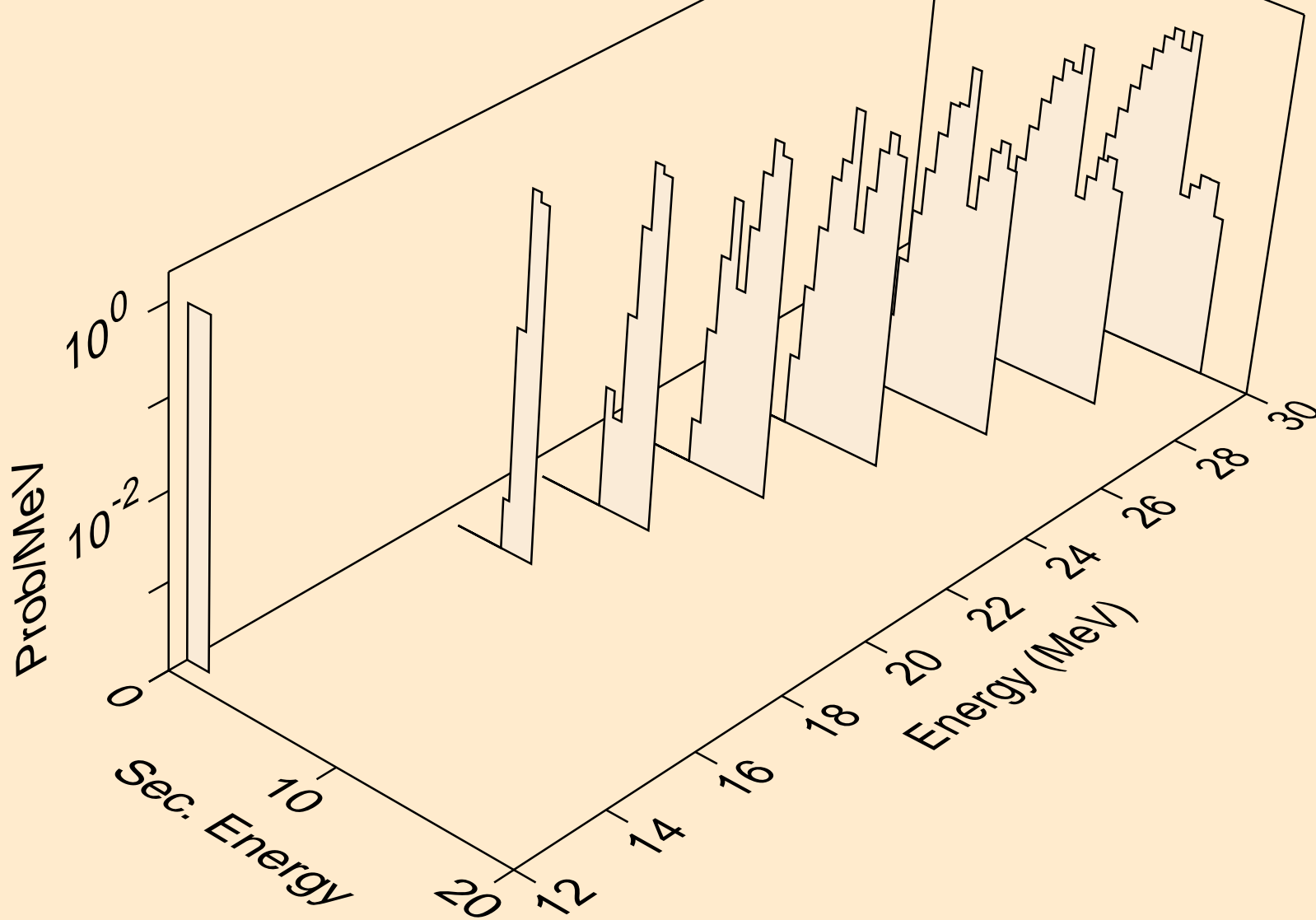
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)



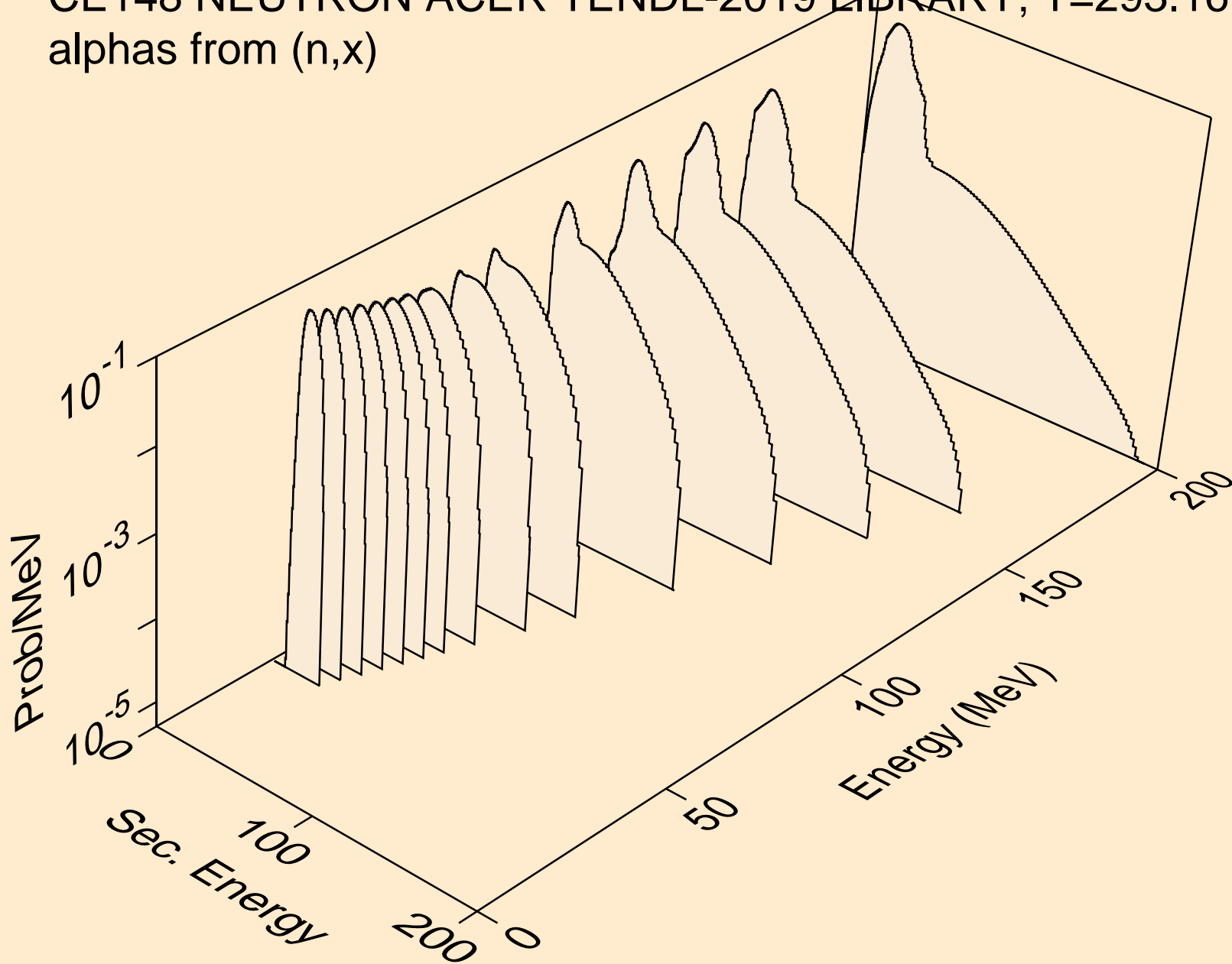
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3



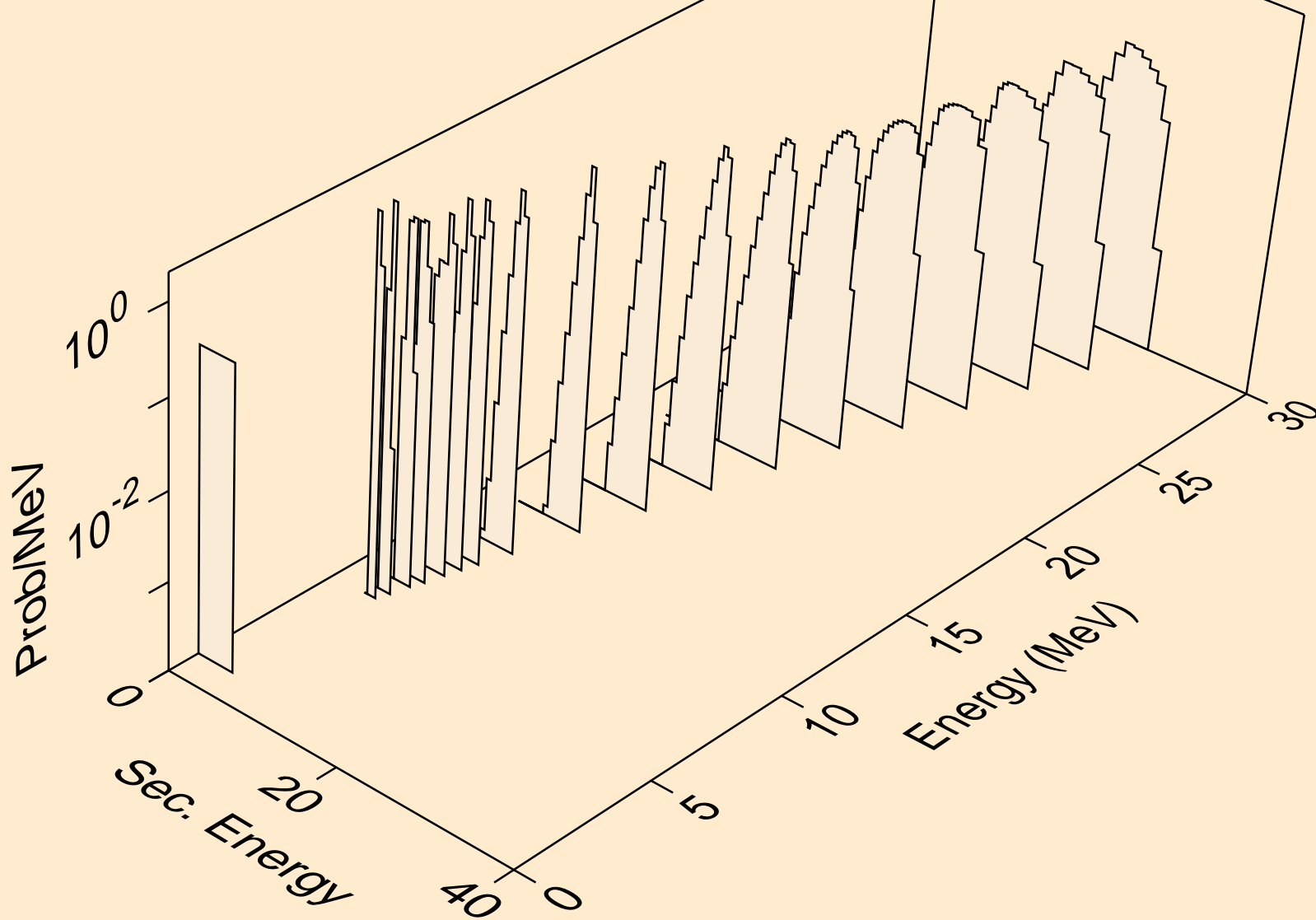
CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)



CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)

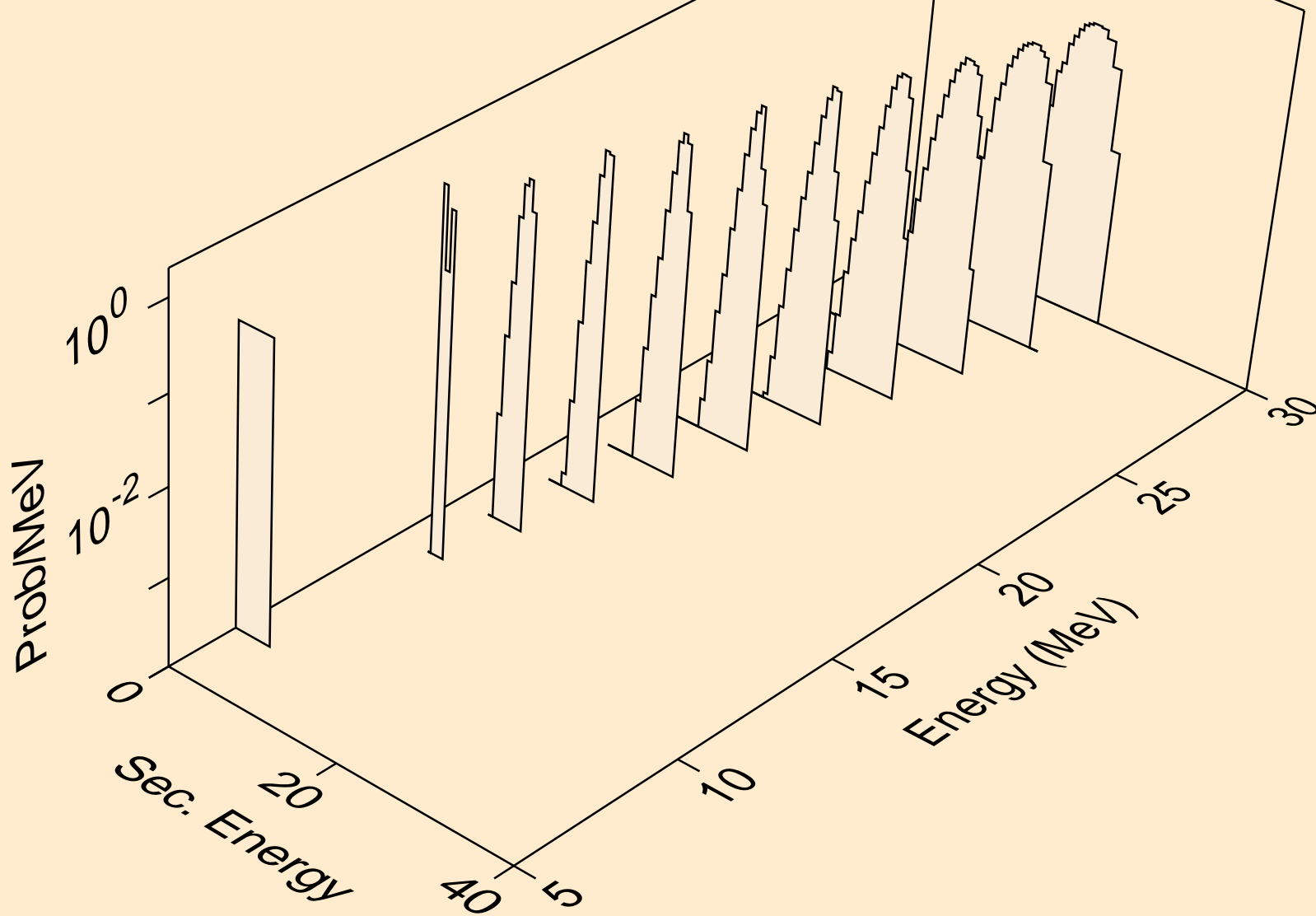


CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a

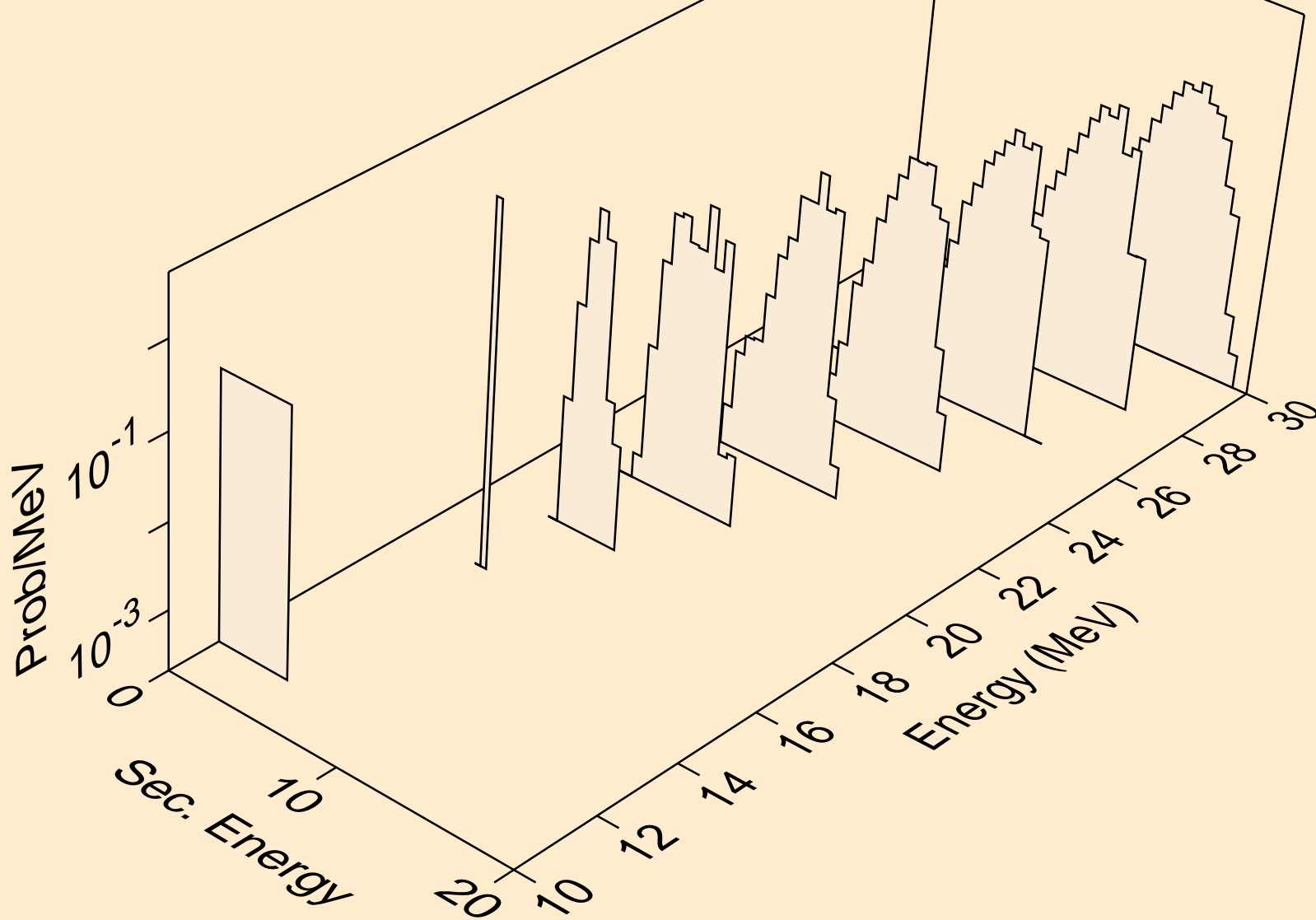




CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



CE148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)

