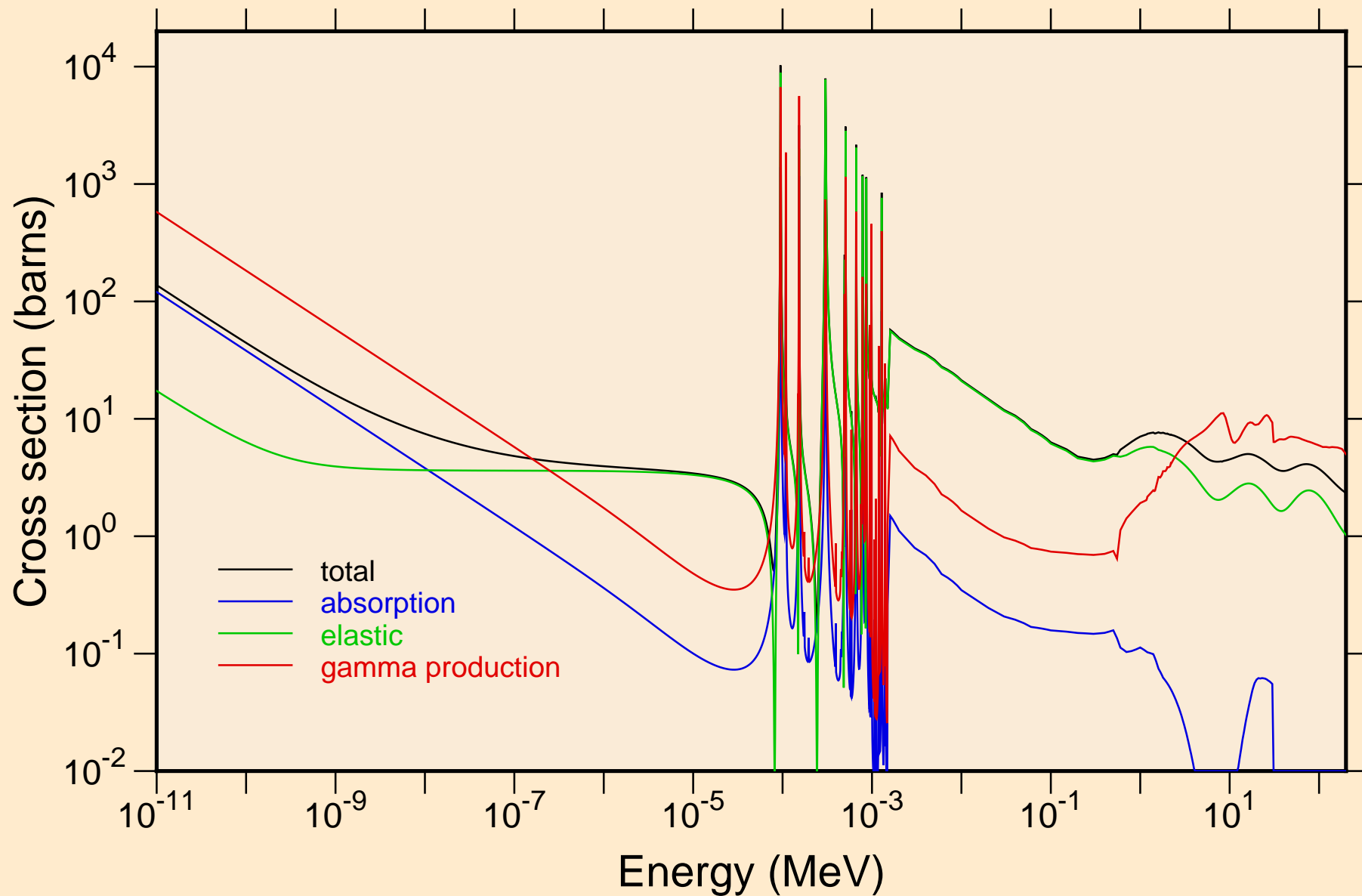
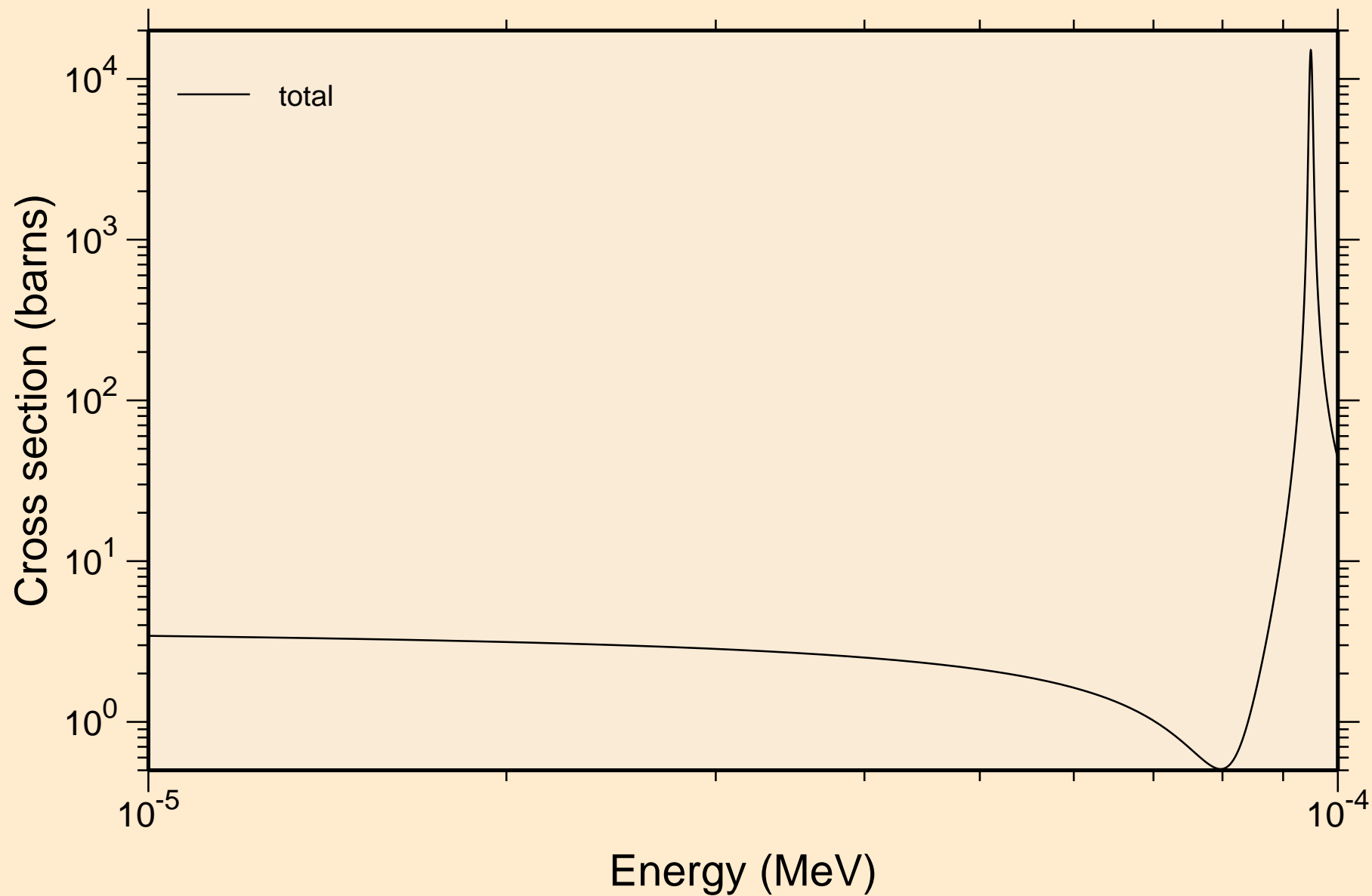


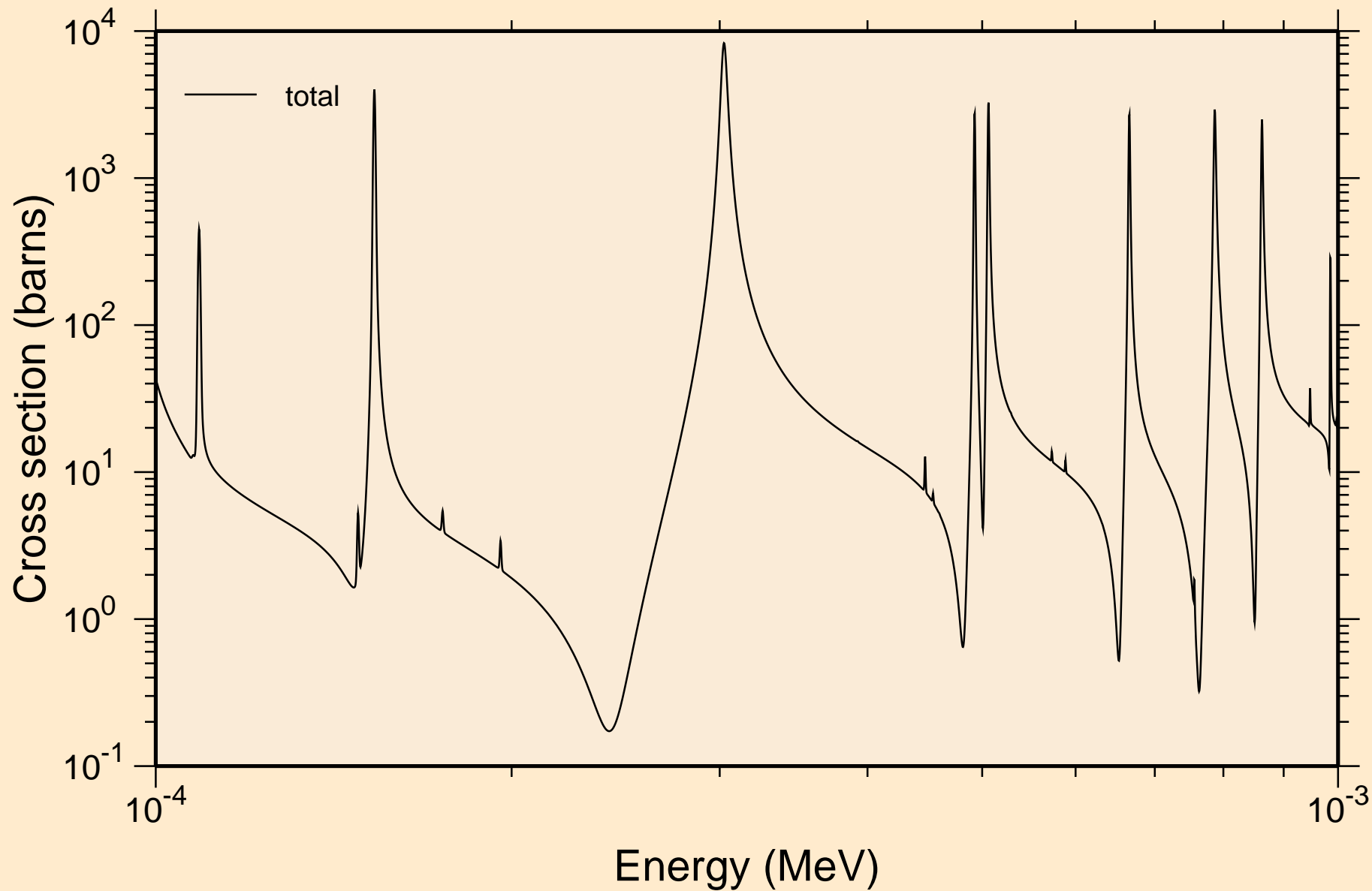
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



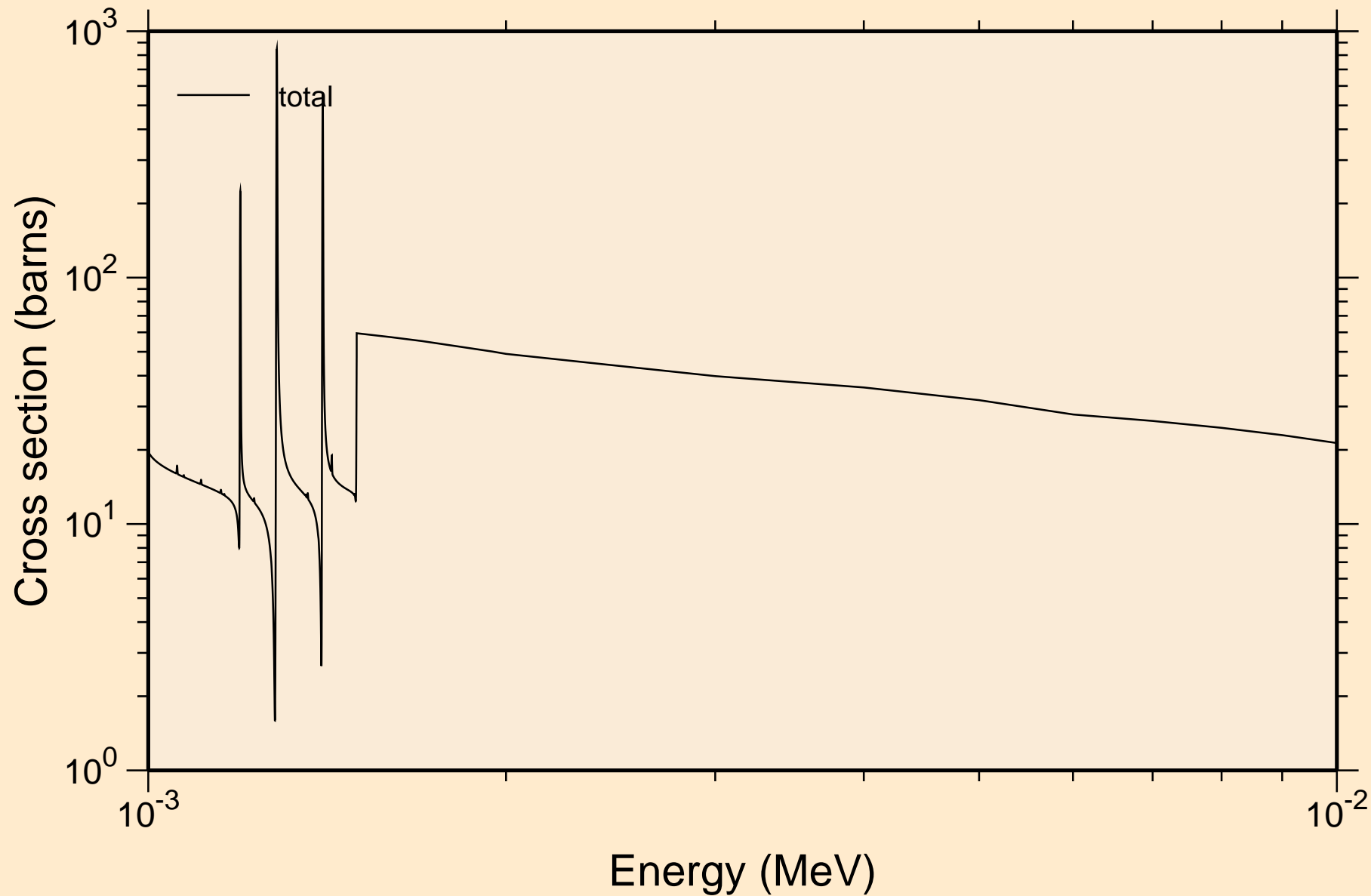
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



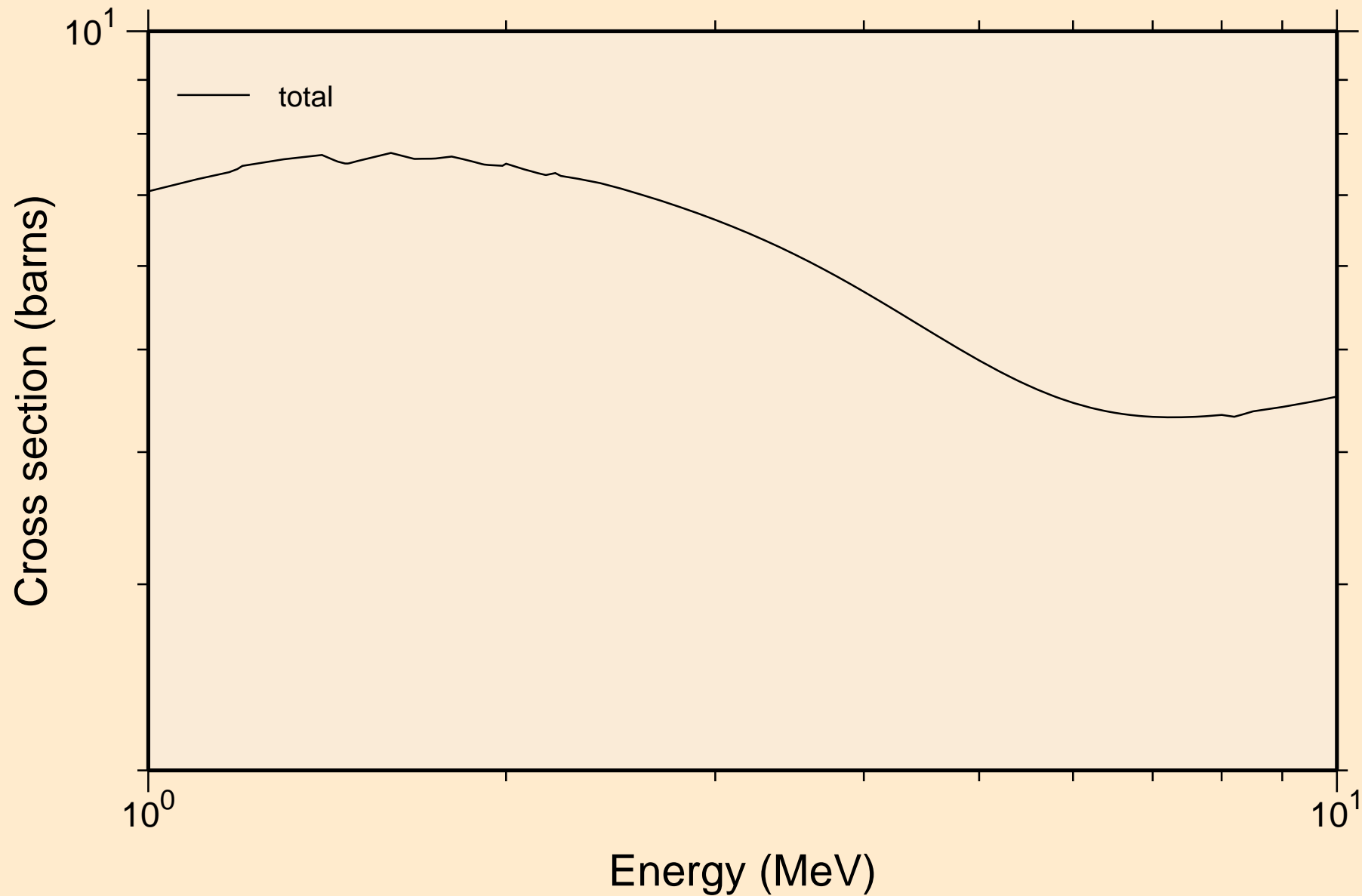
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



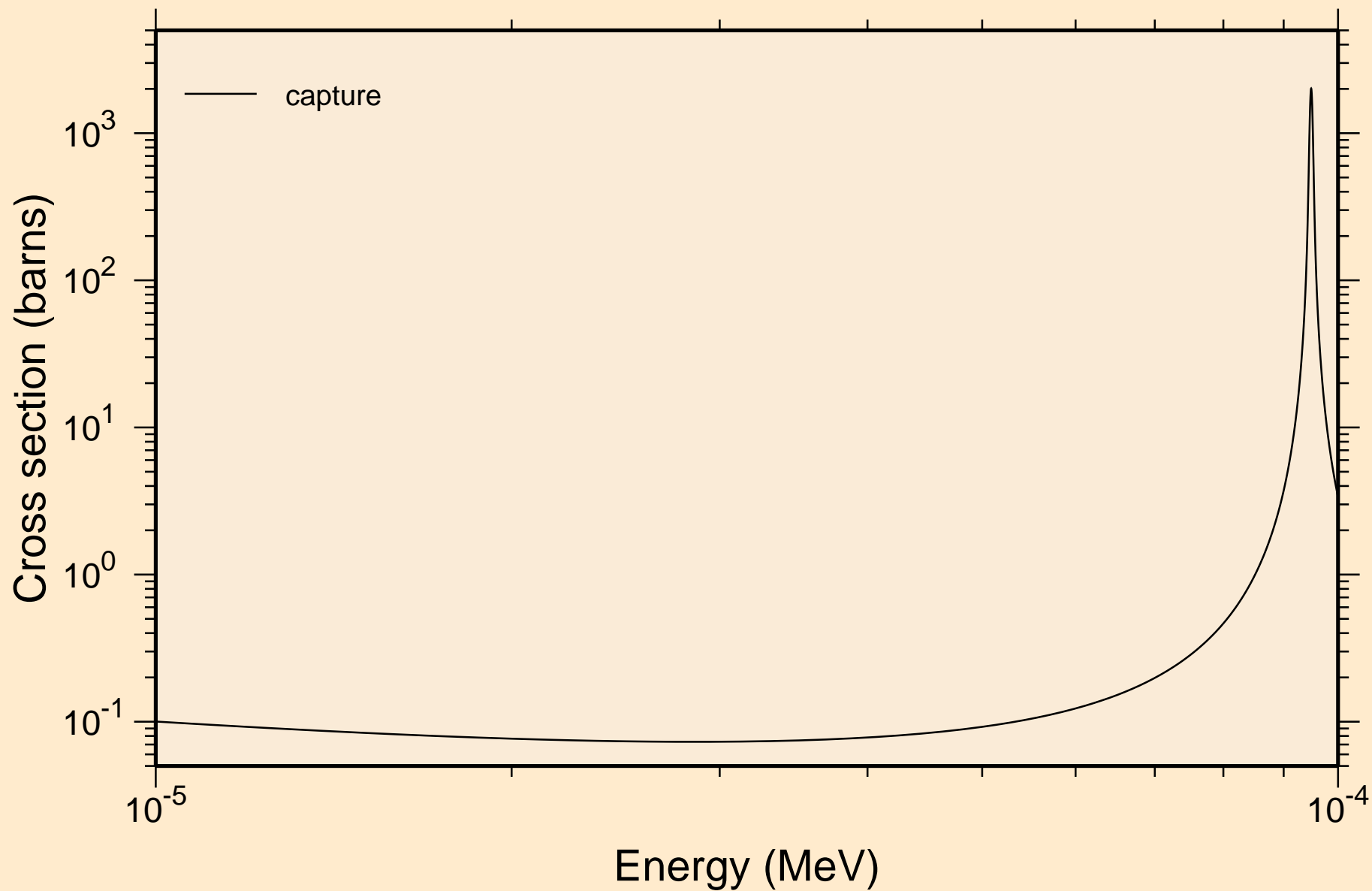
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



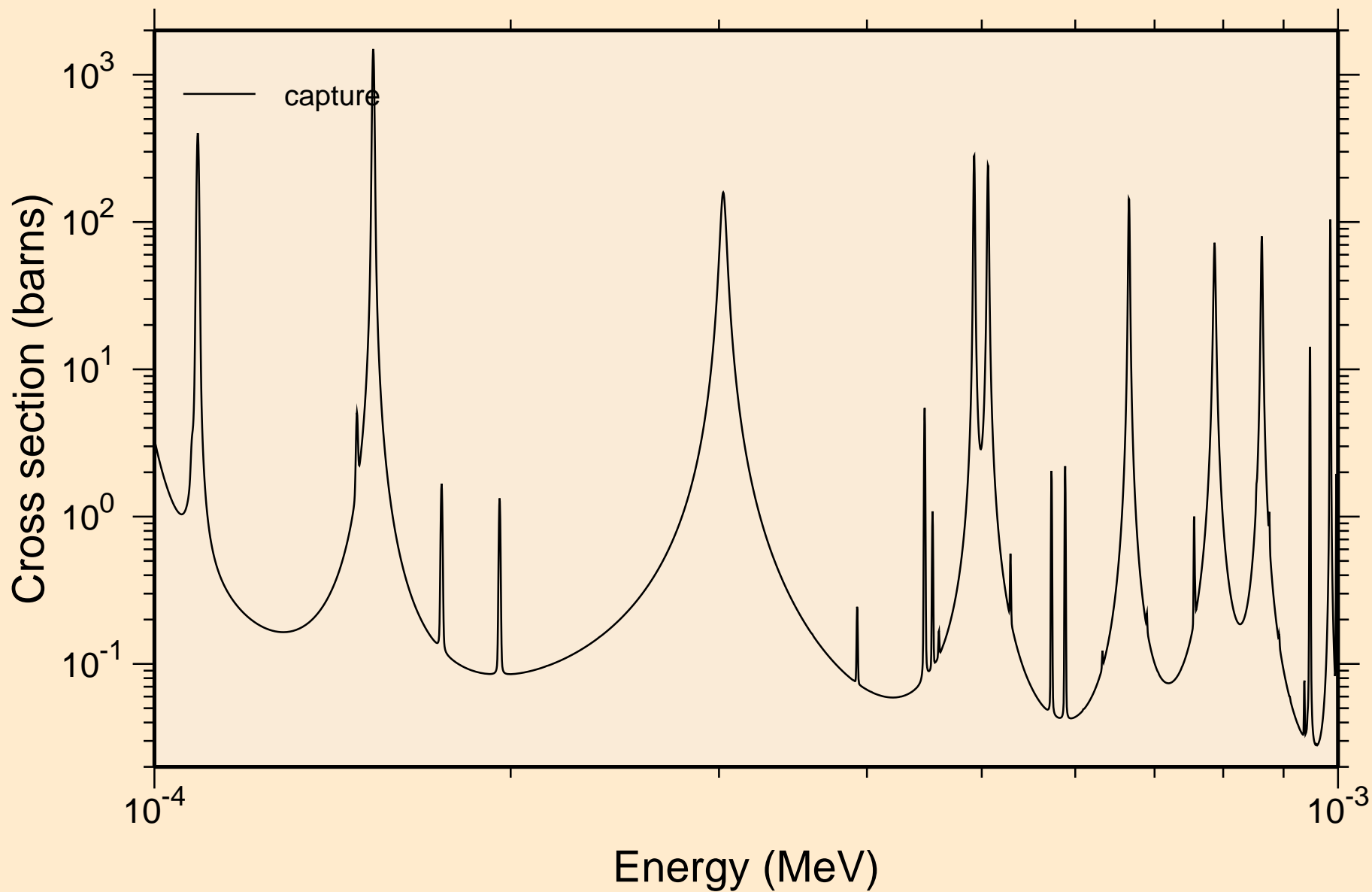
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



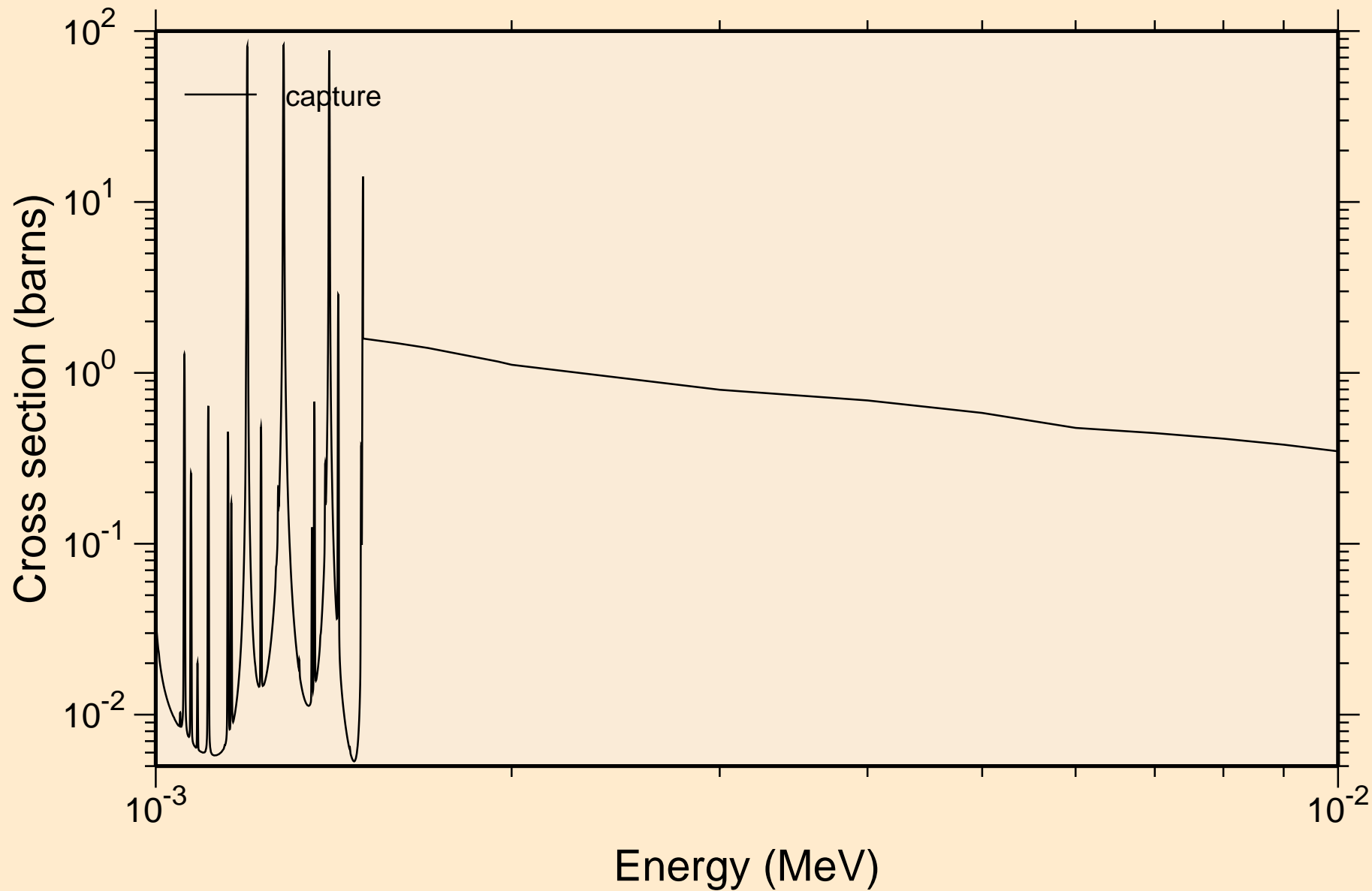
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

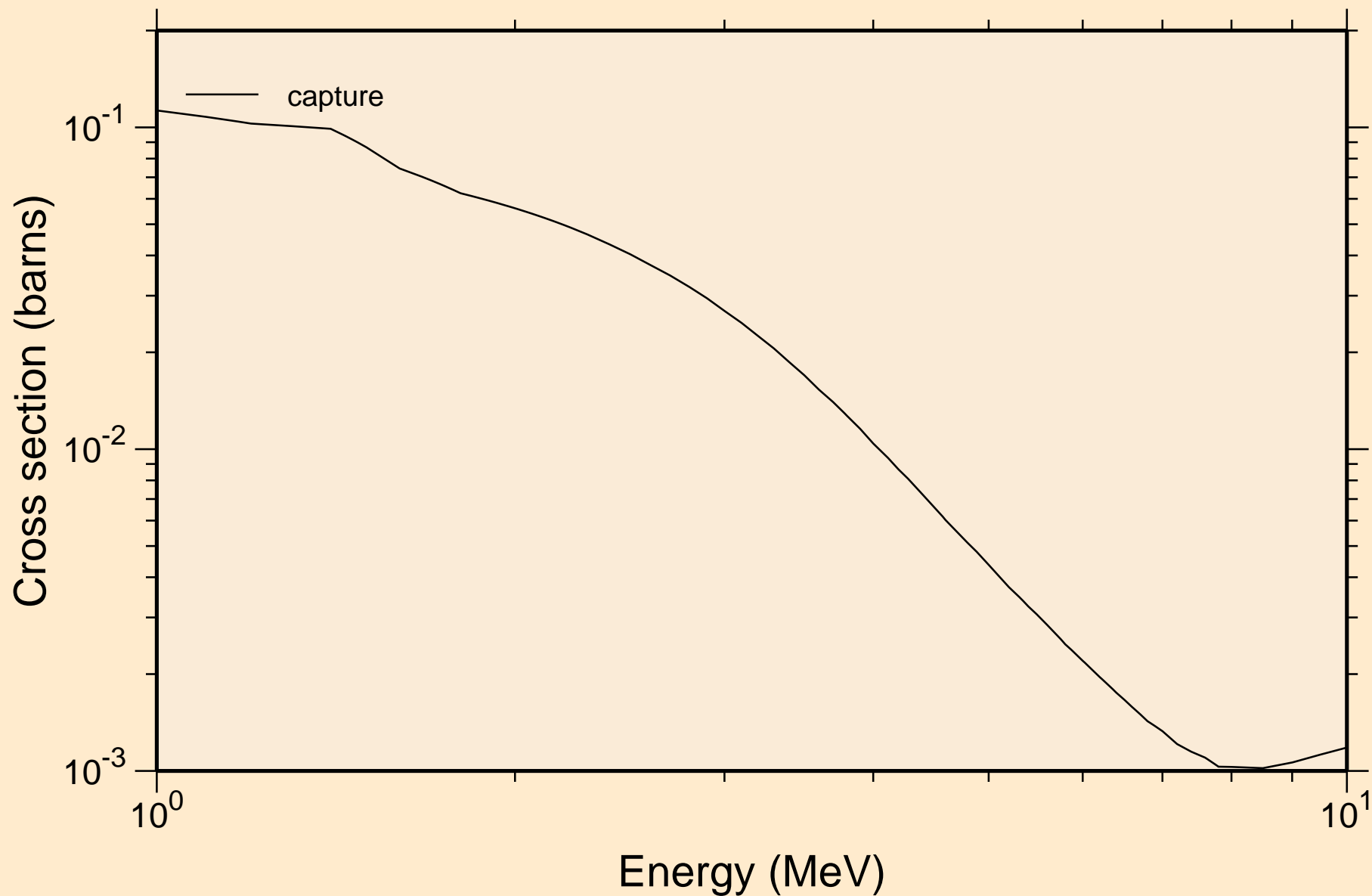


SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

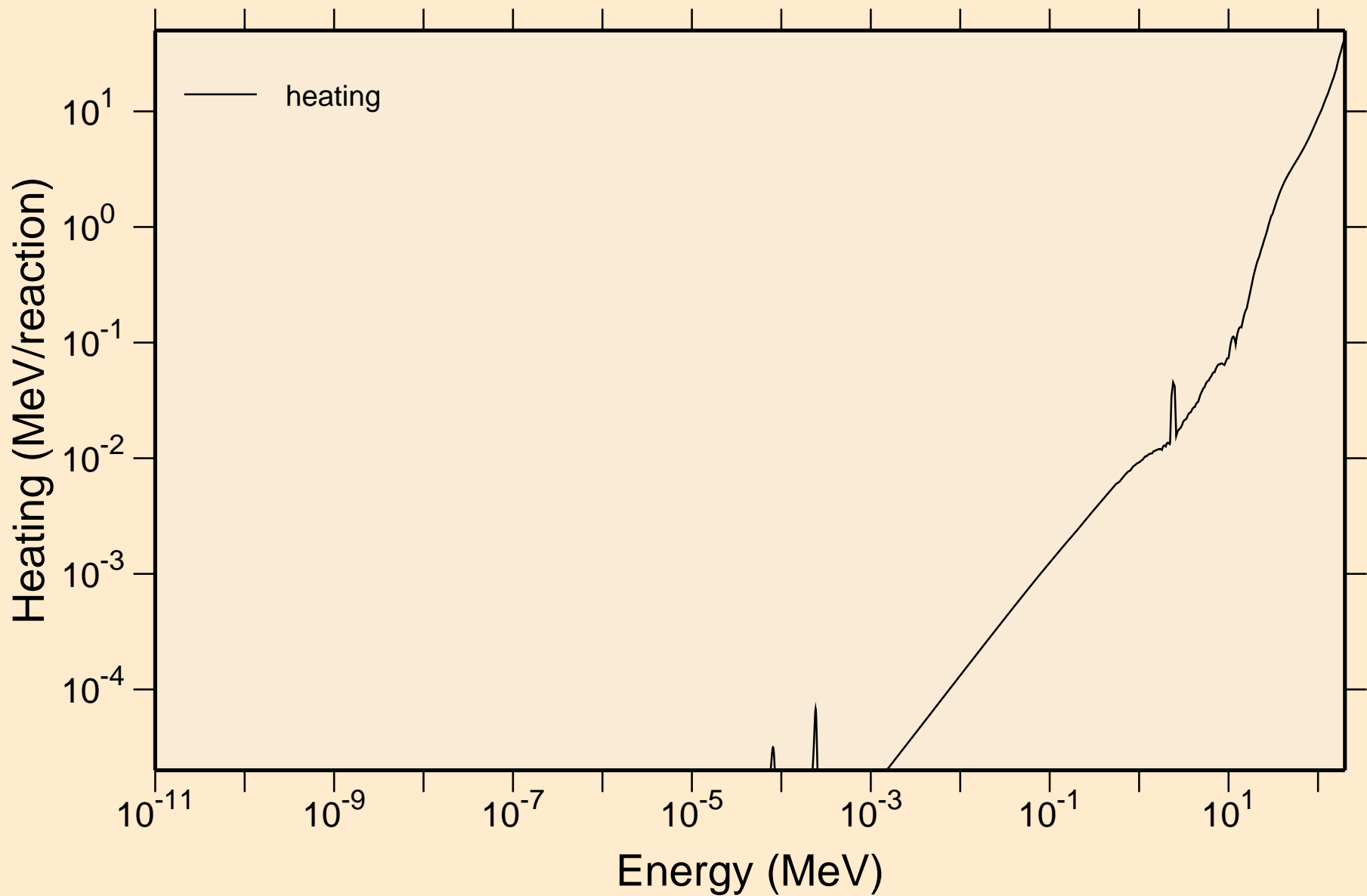




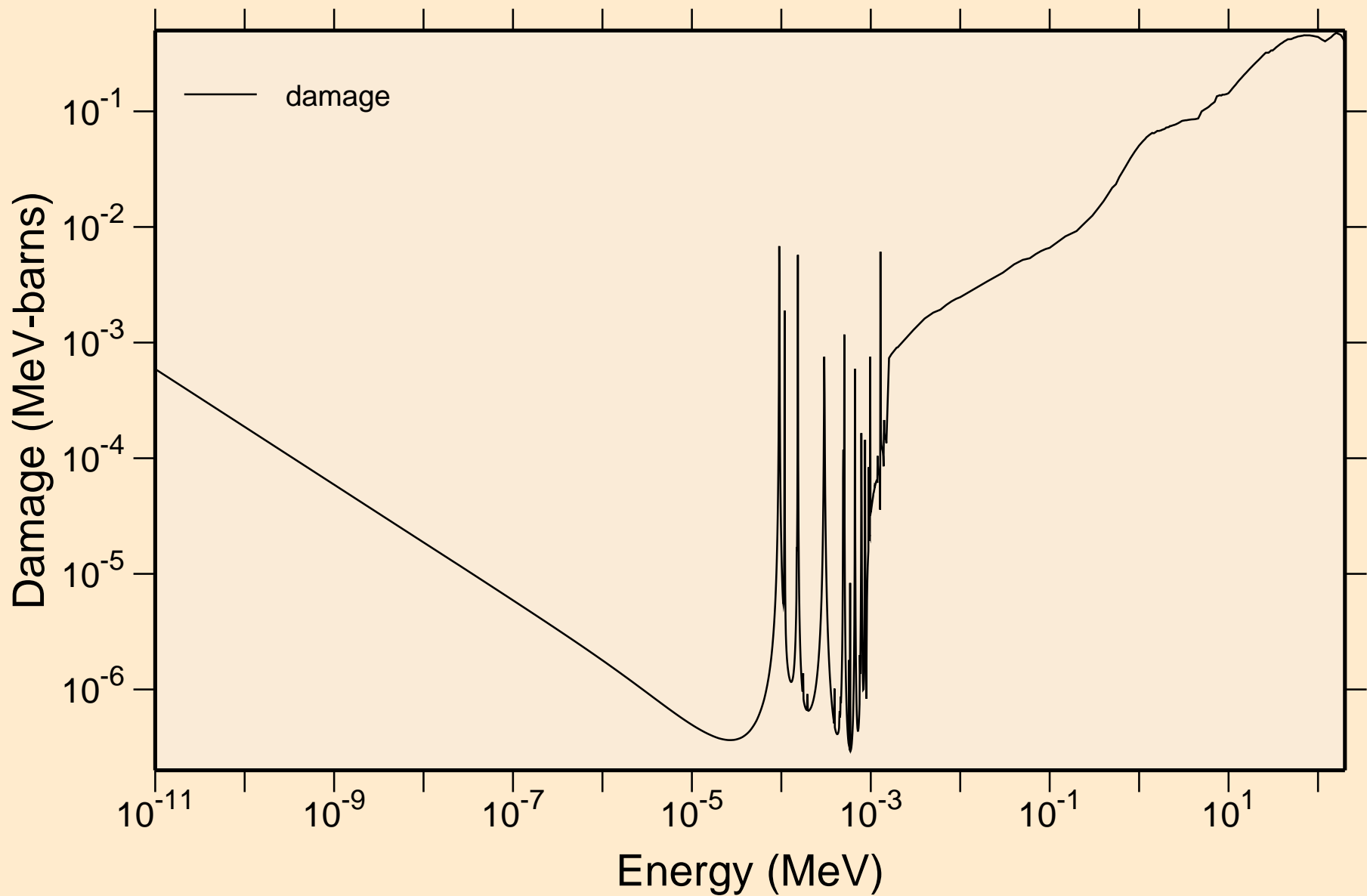
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



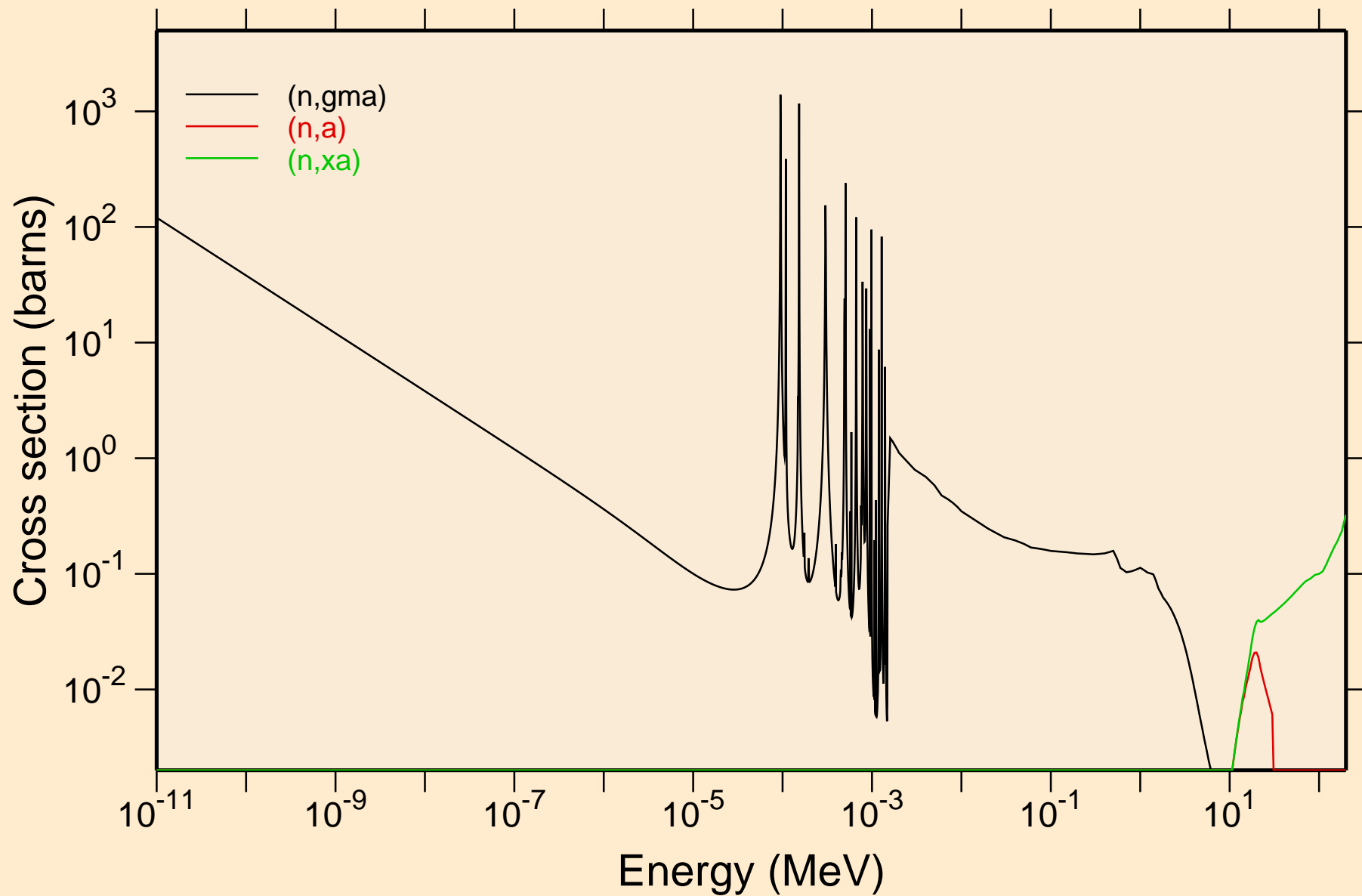
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



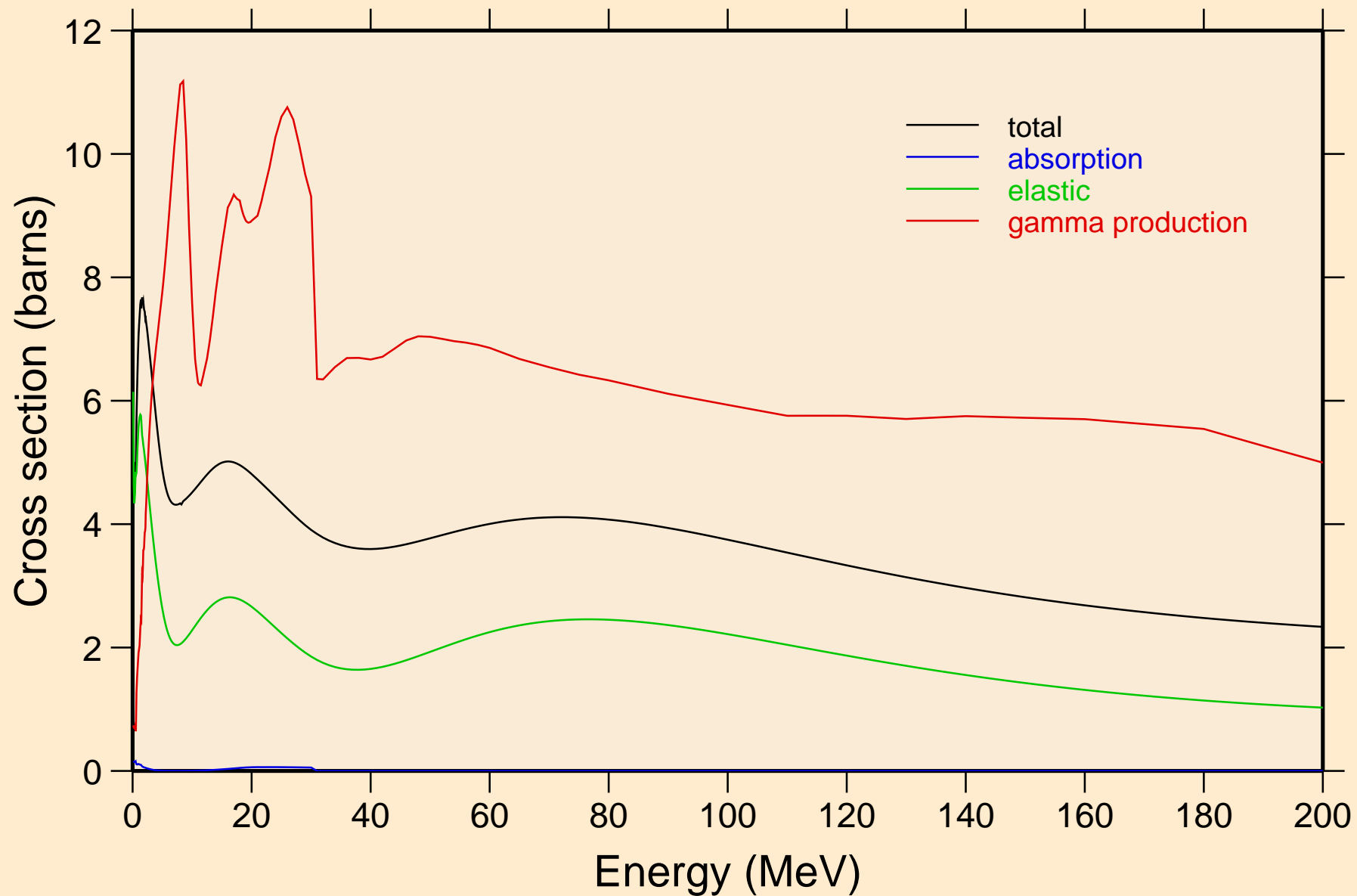
# SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage



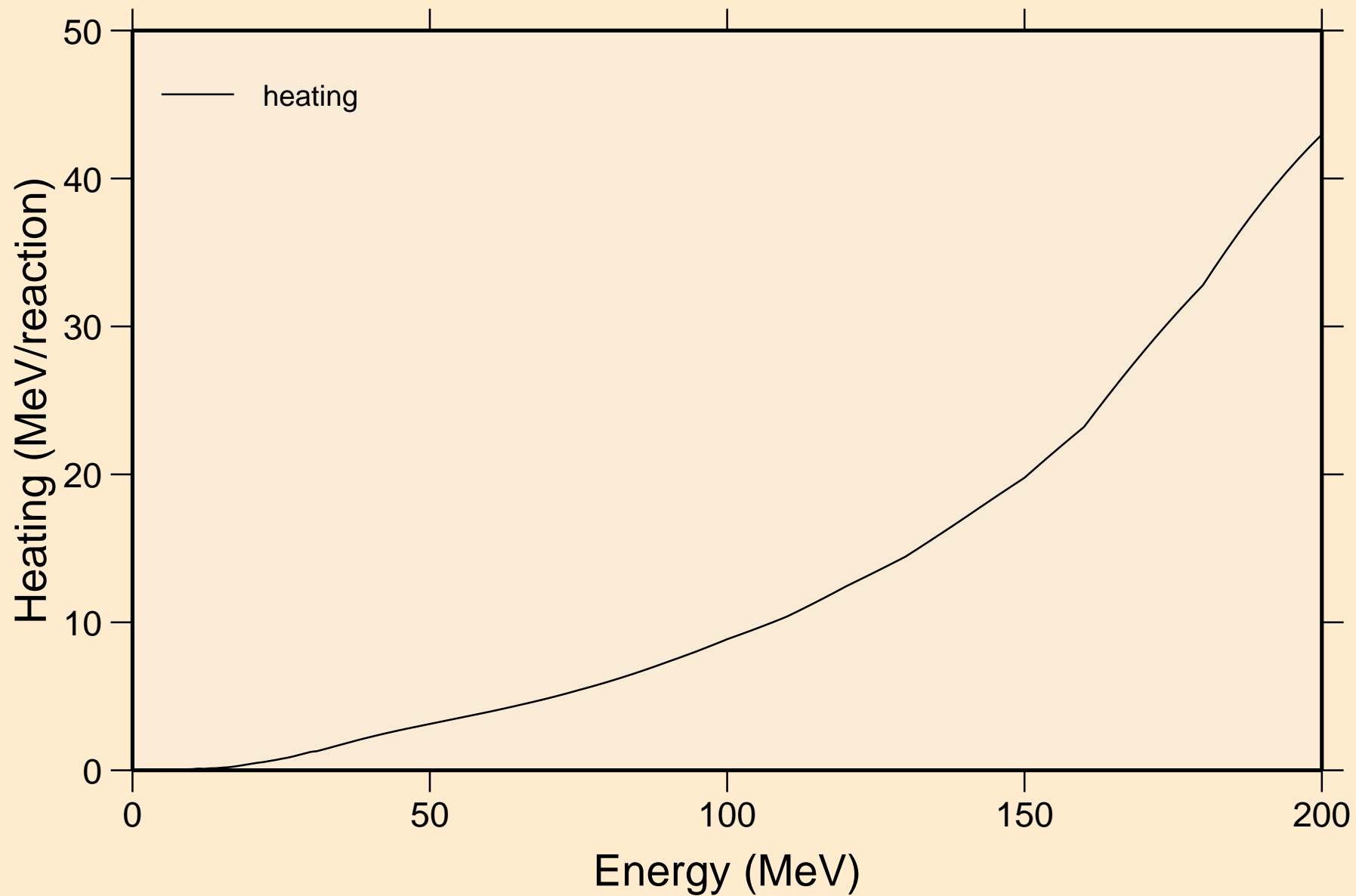
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



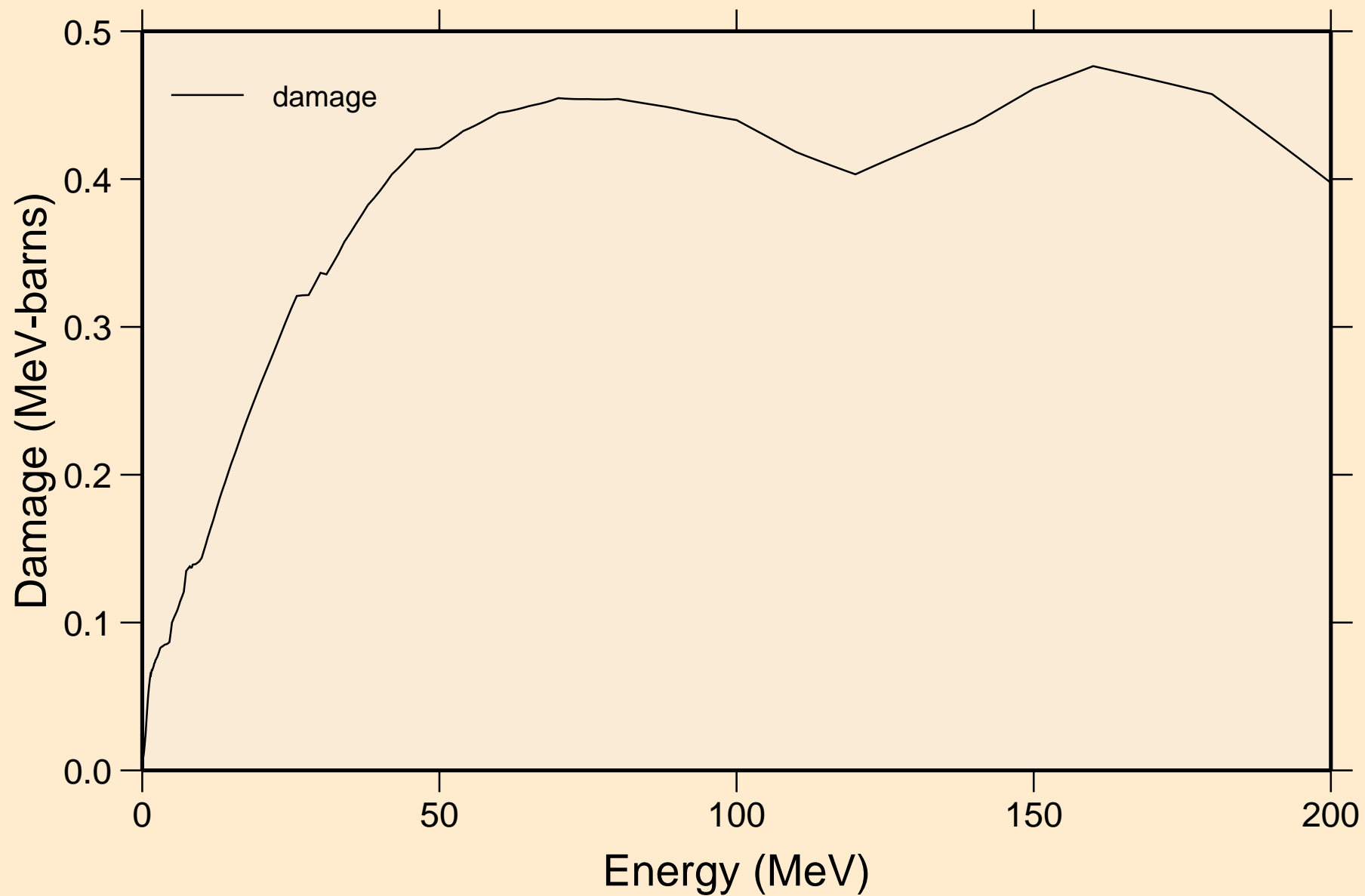
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



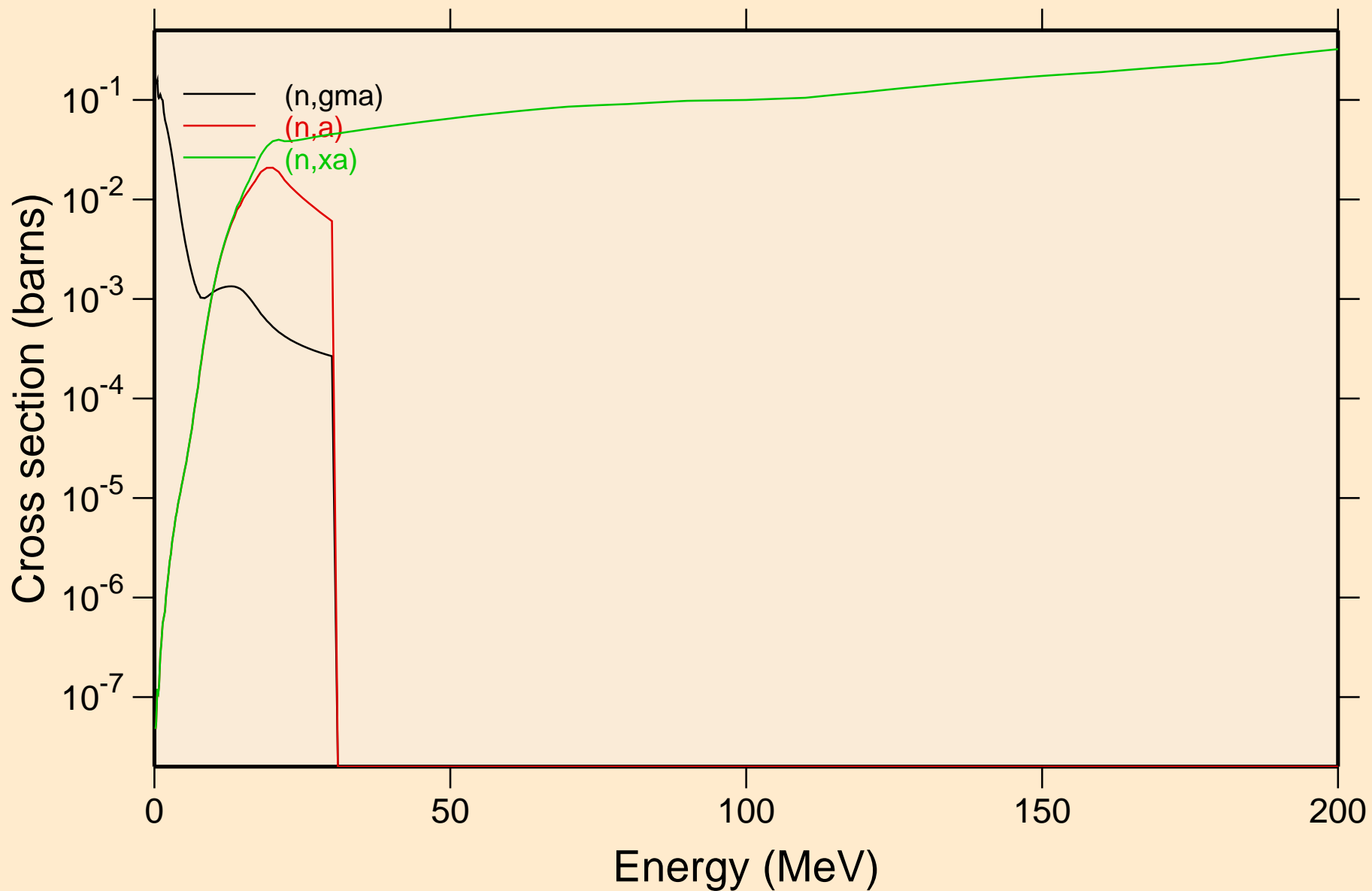
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage

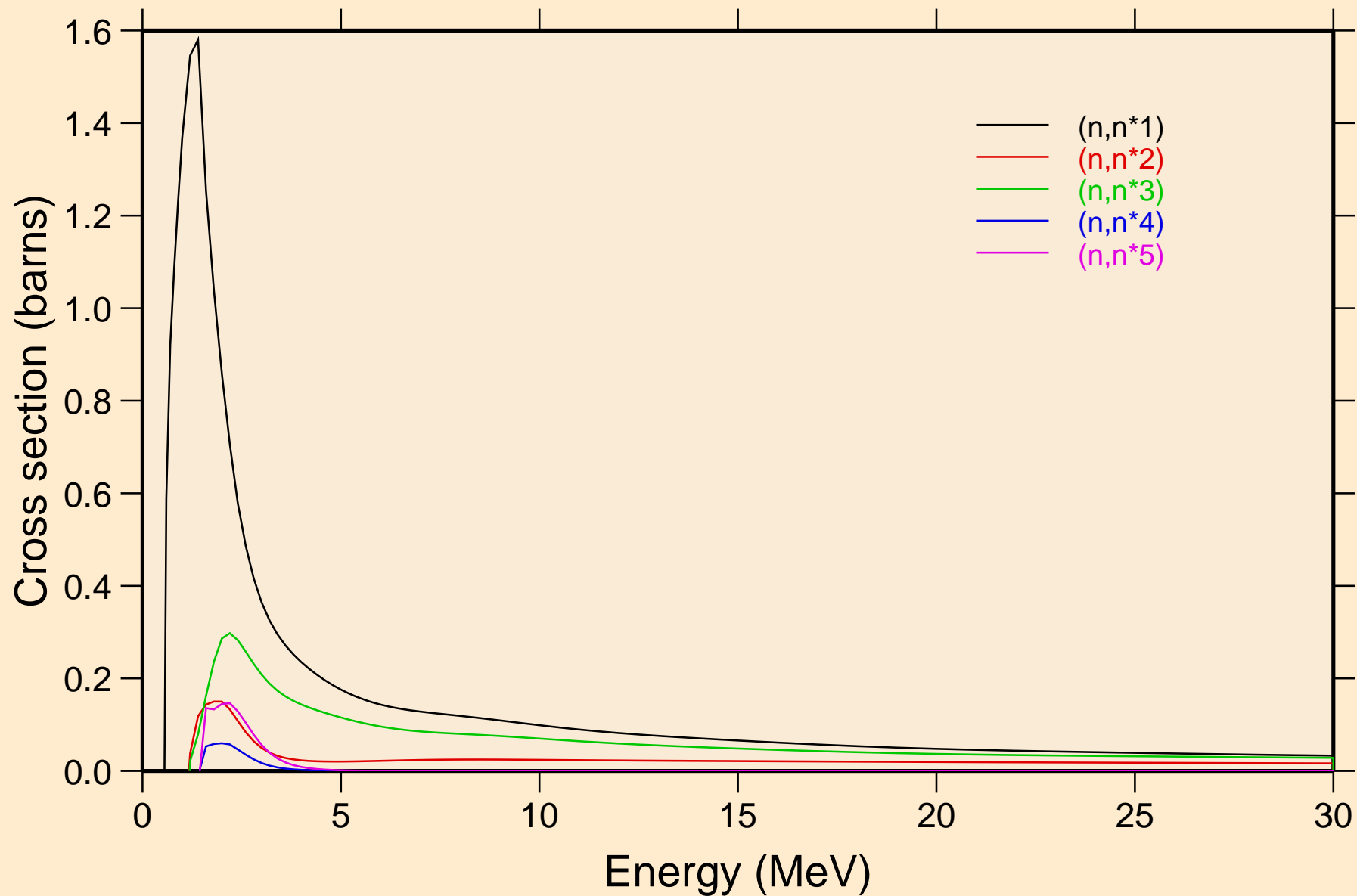


SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions

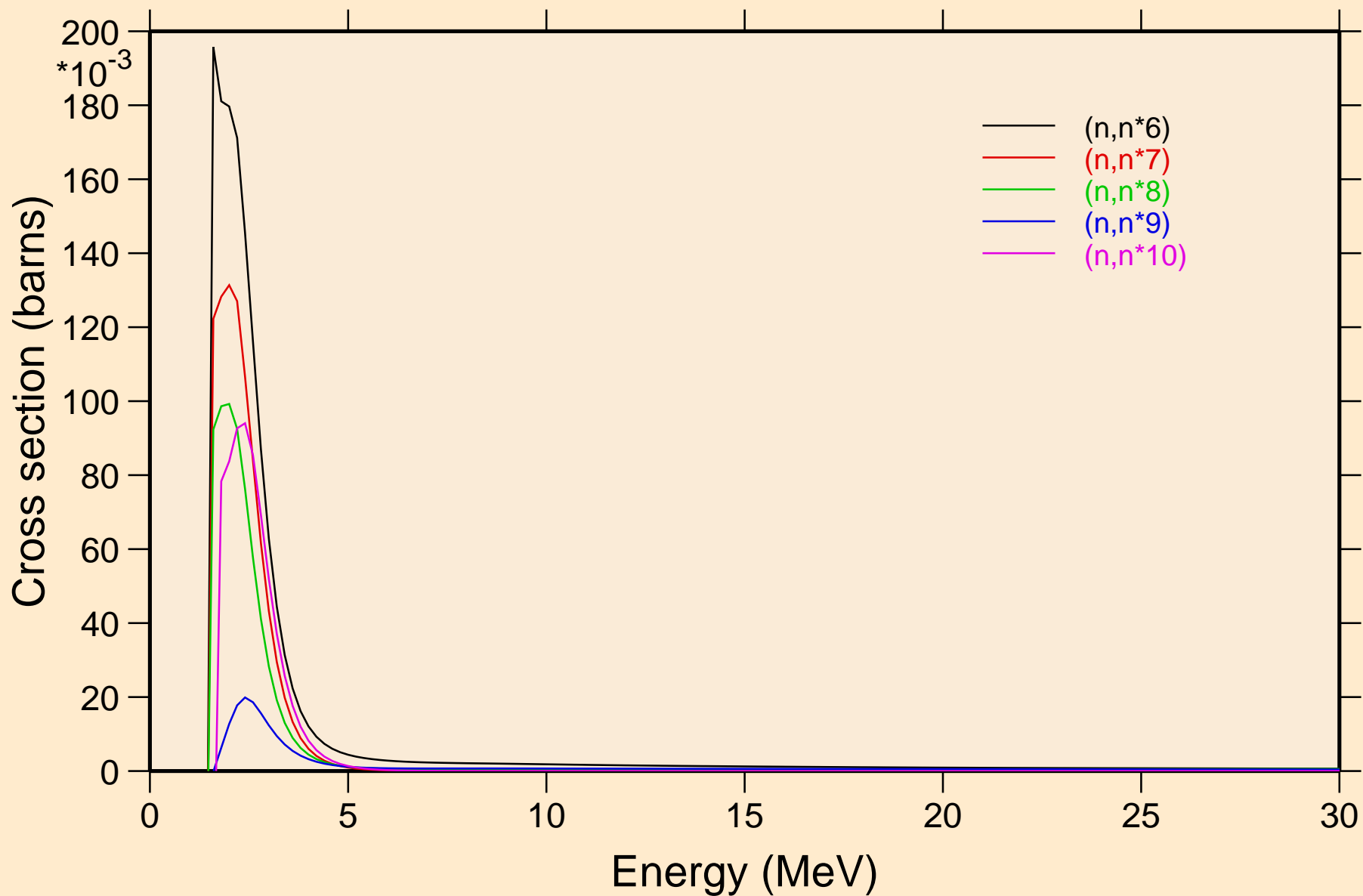




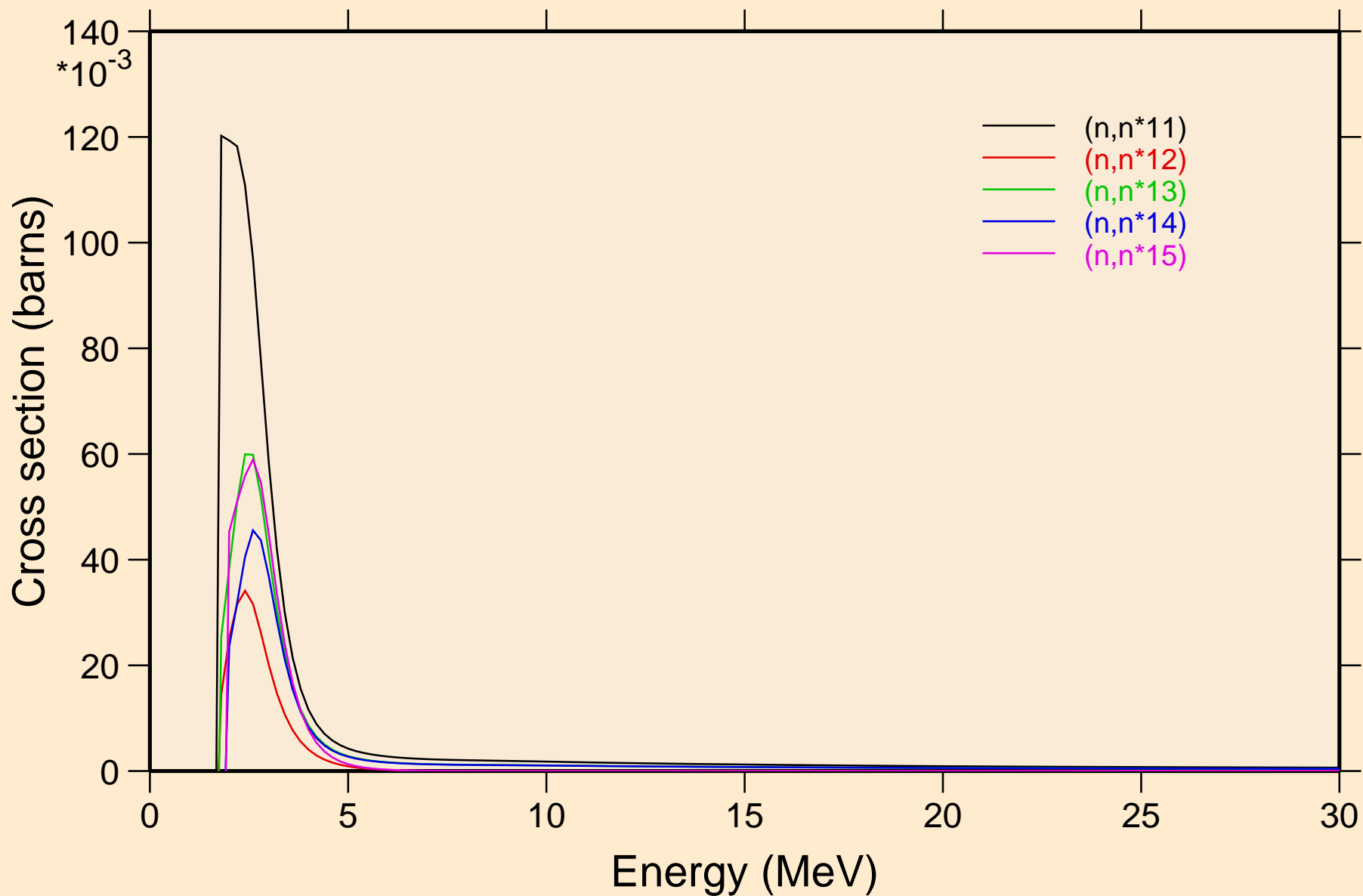
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



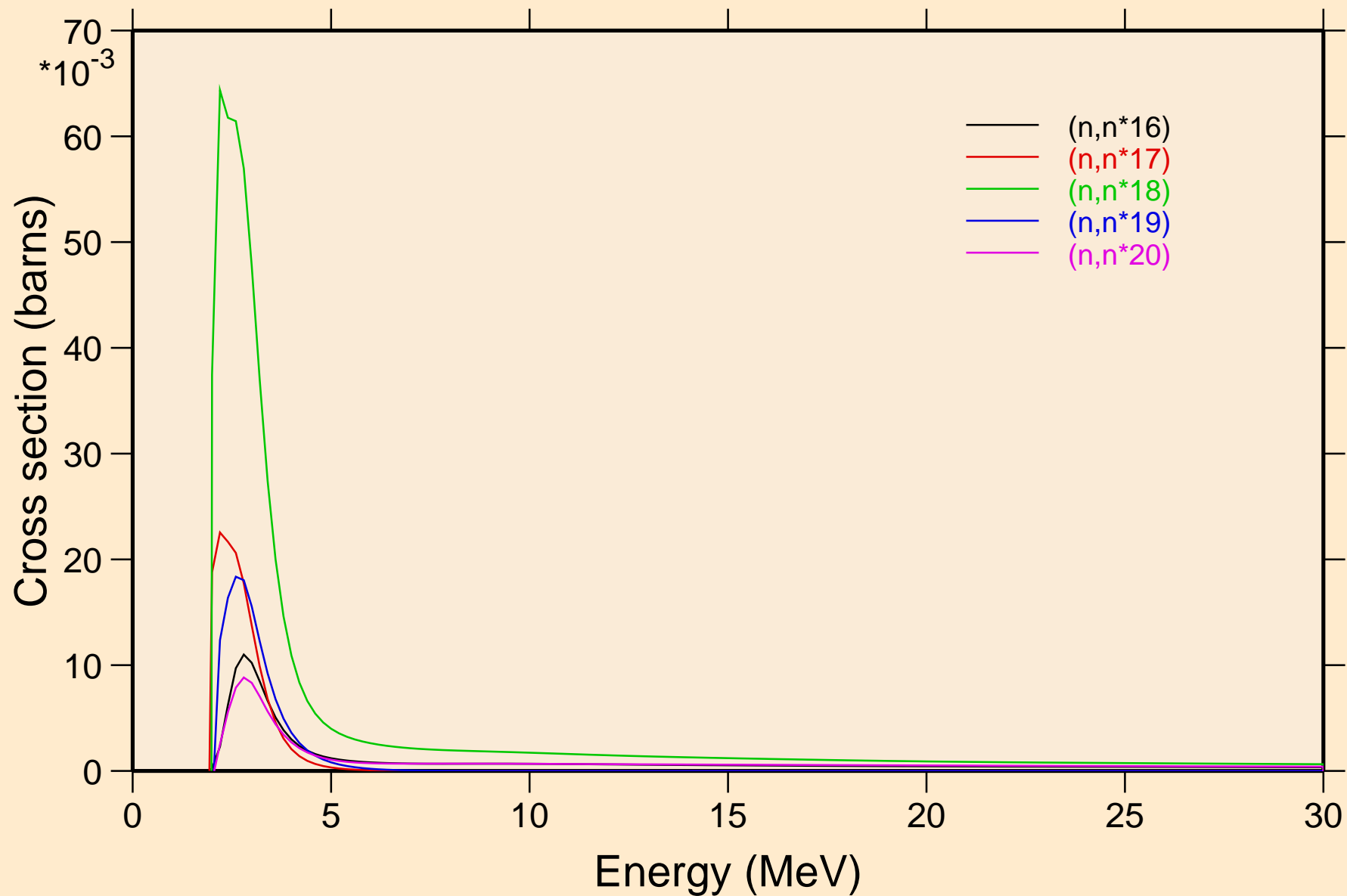
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



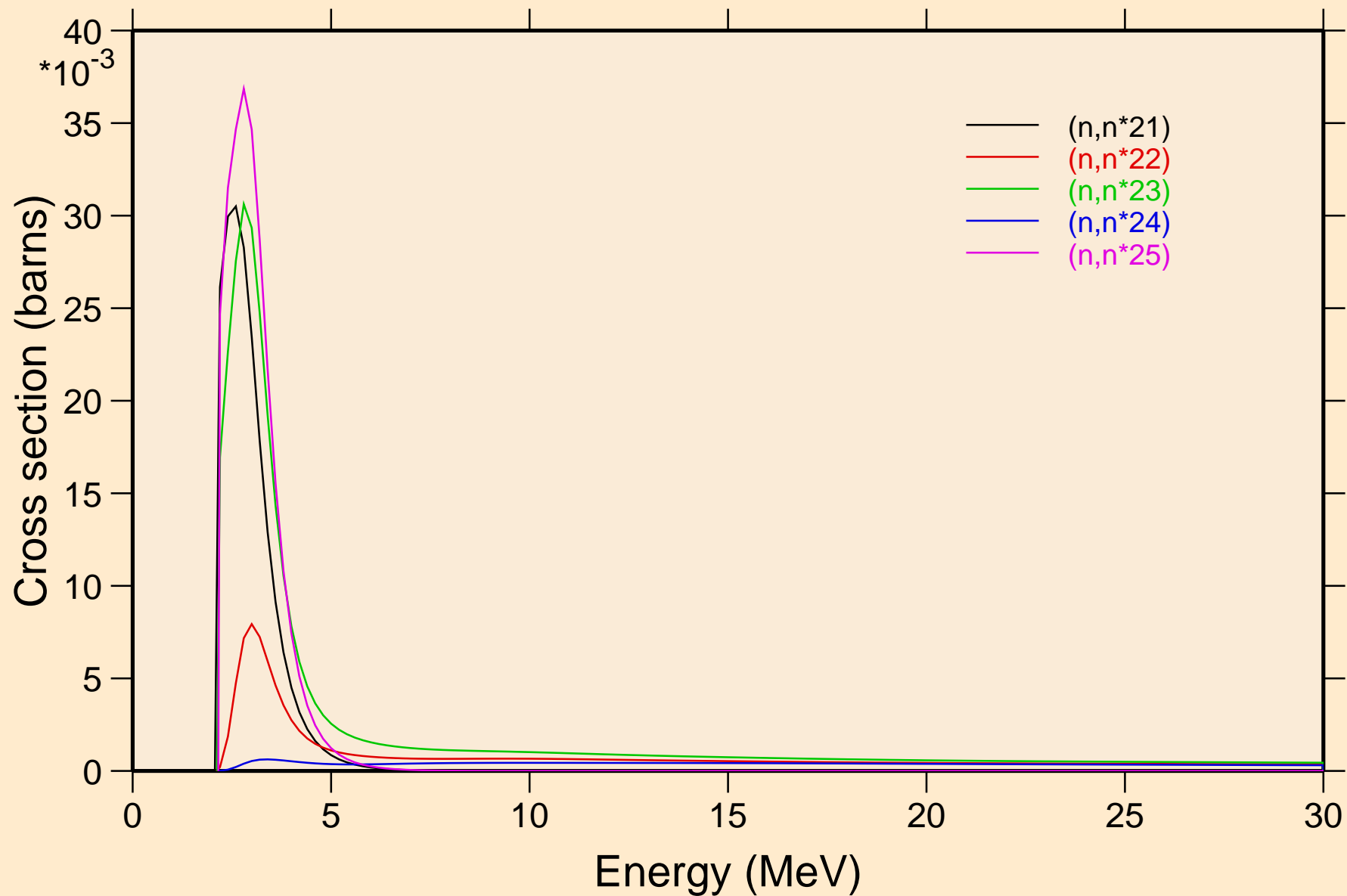
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



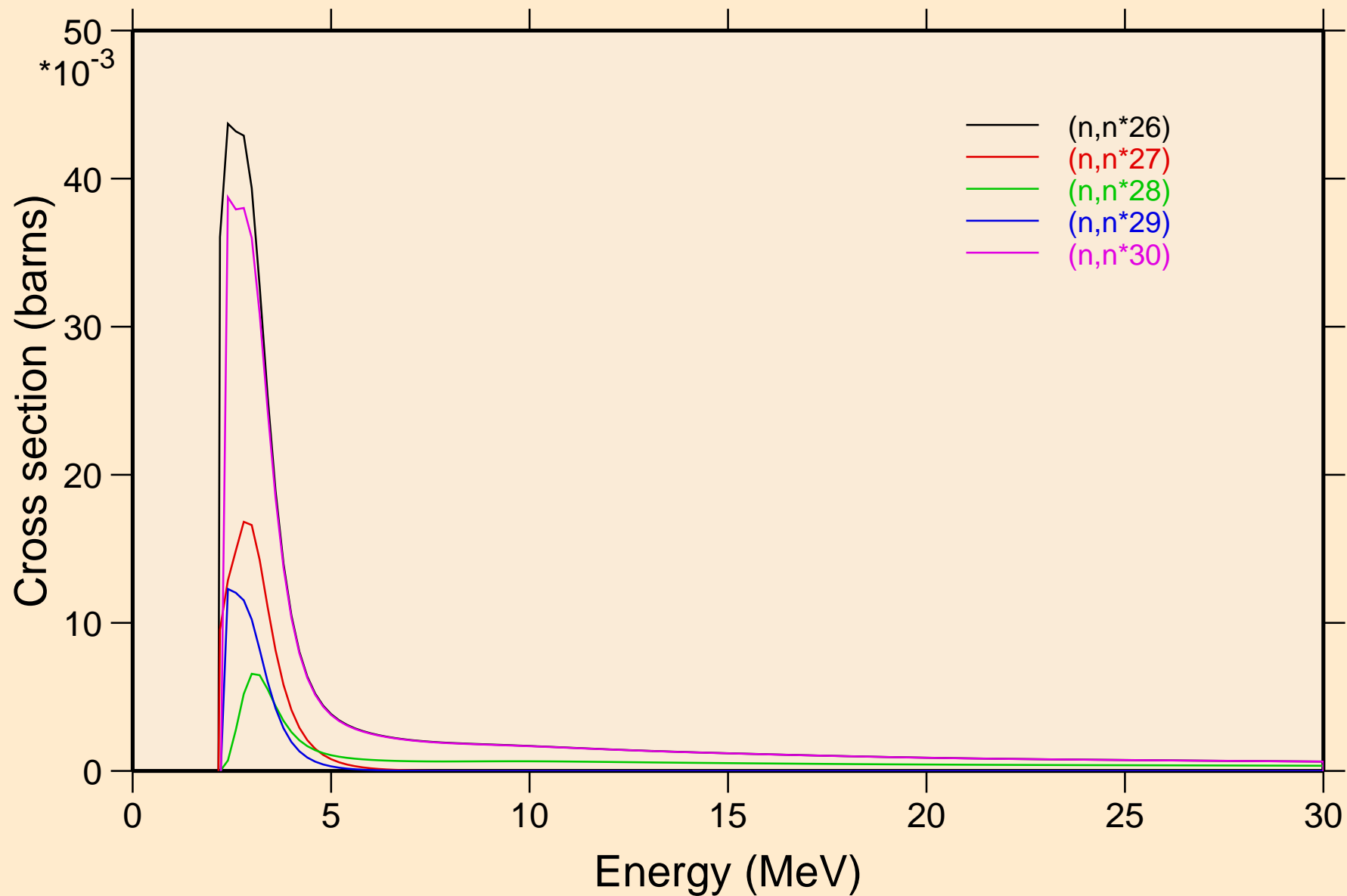
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



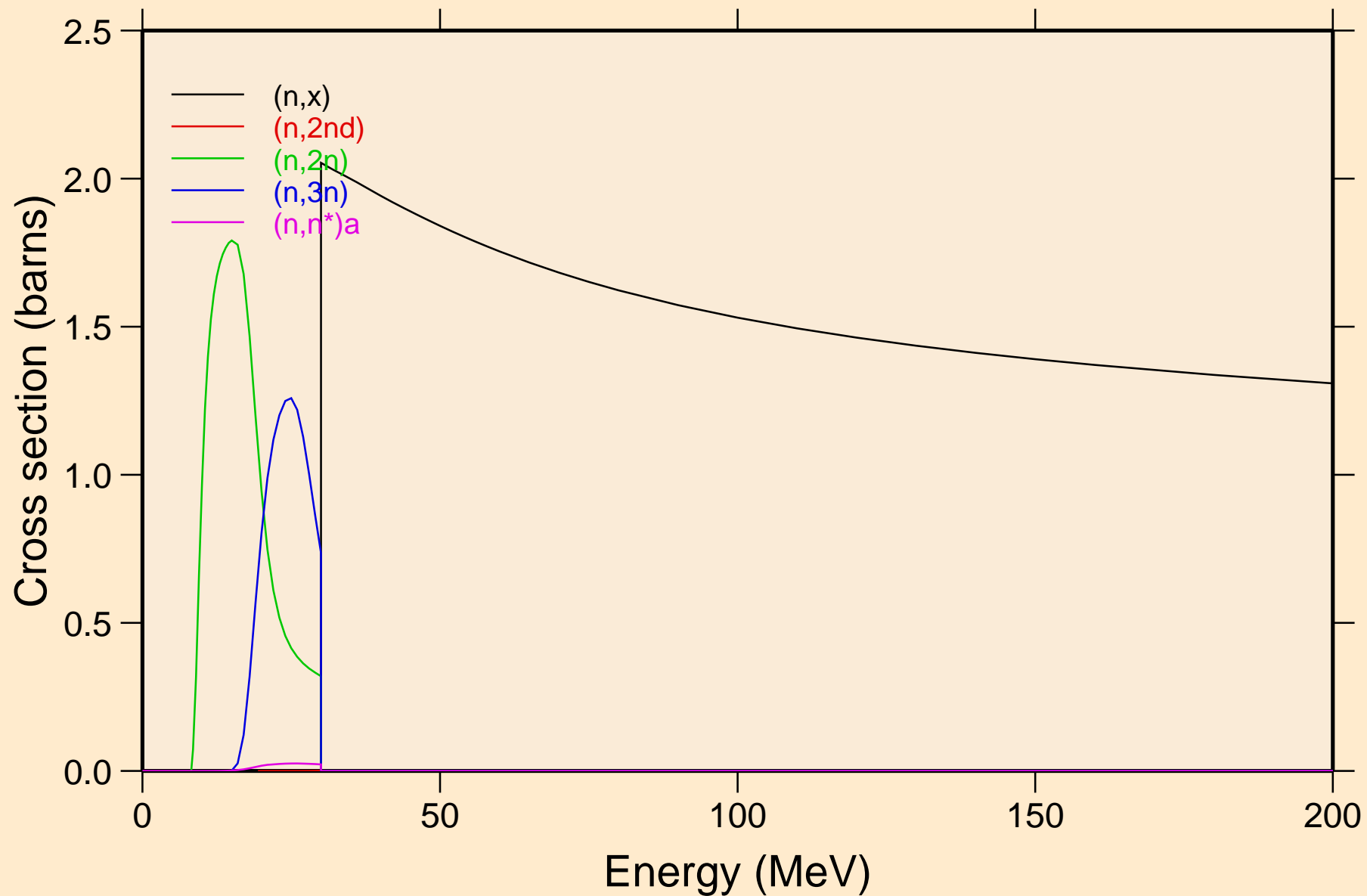
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



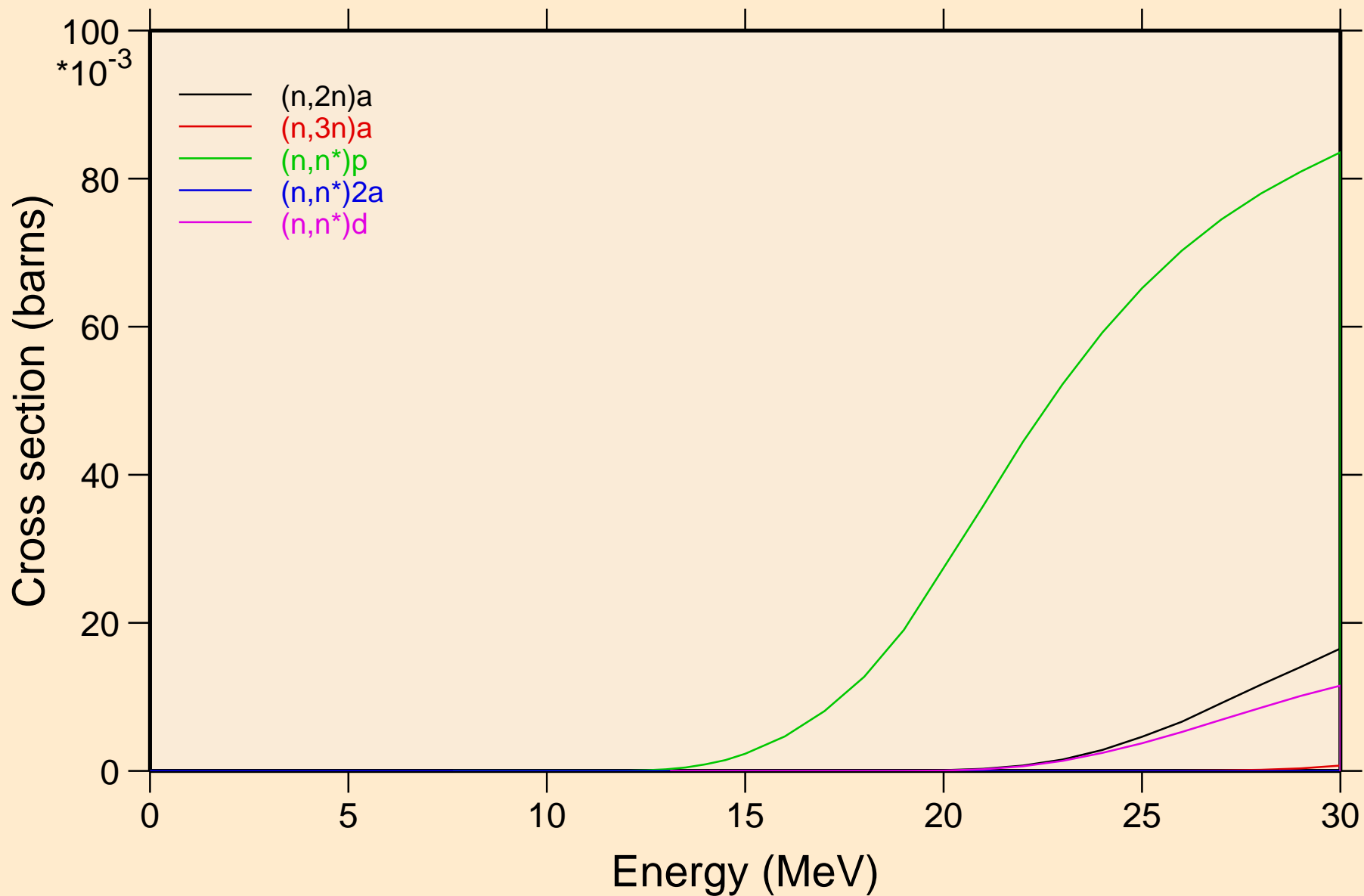
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

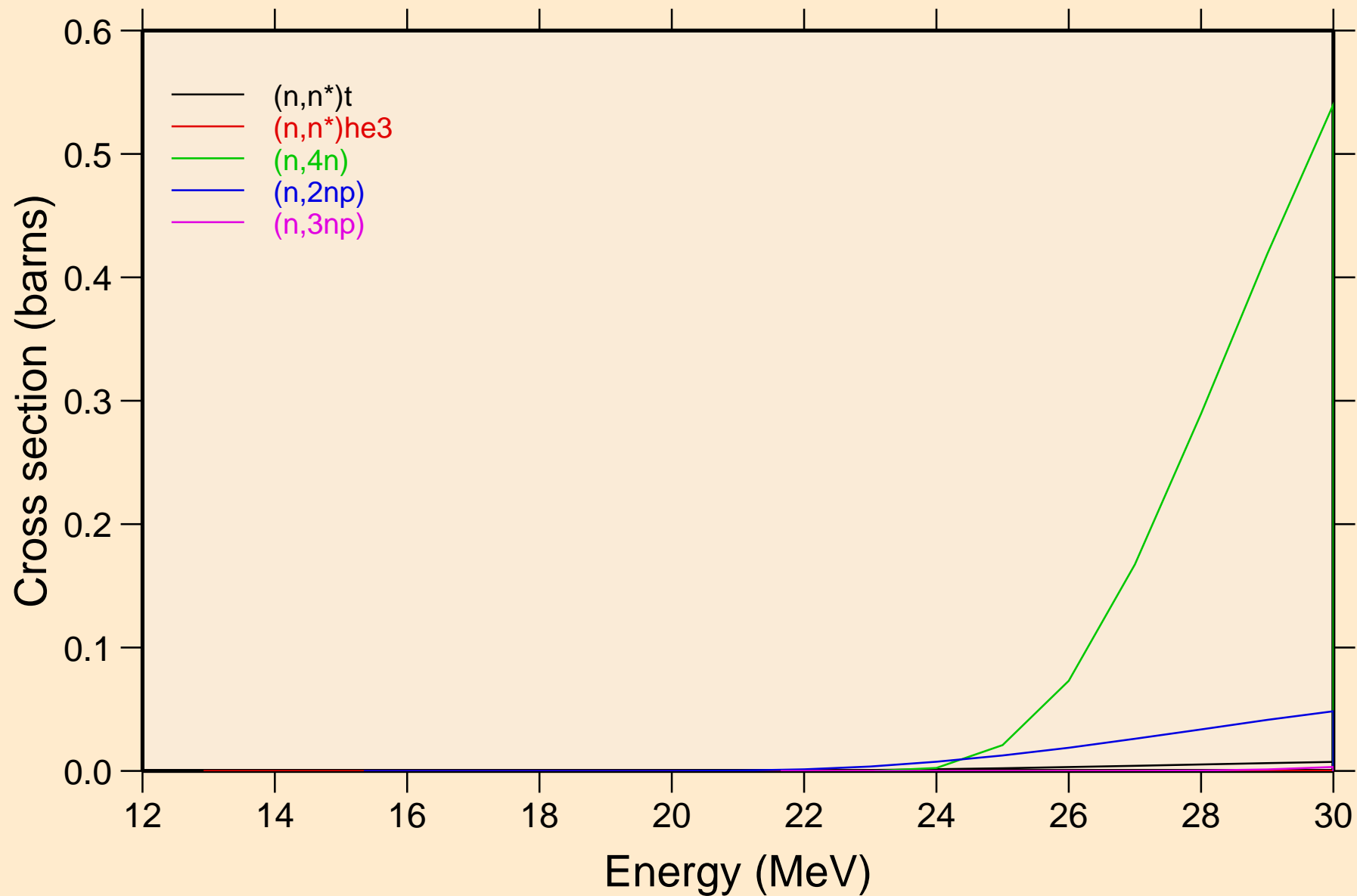


SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

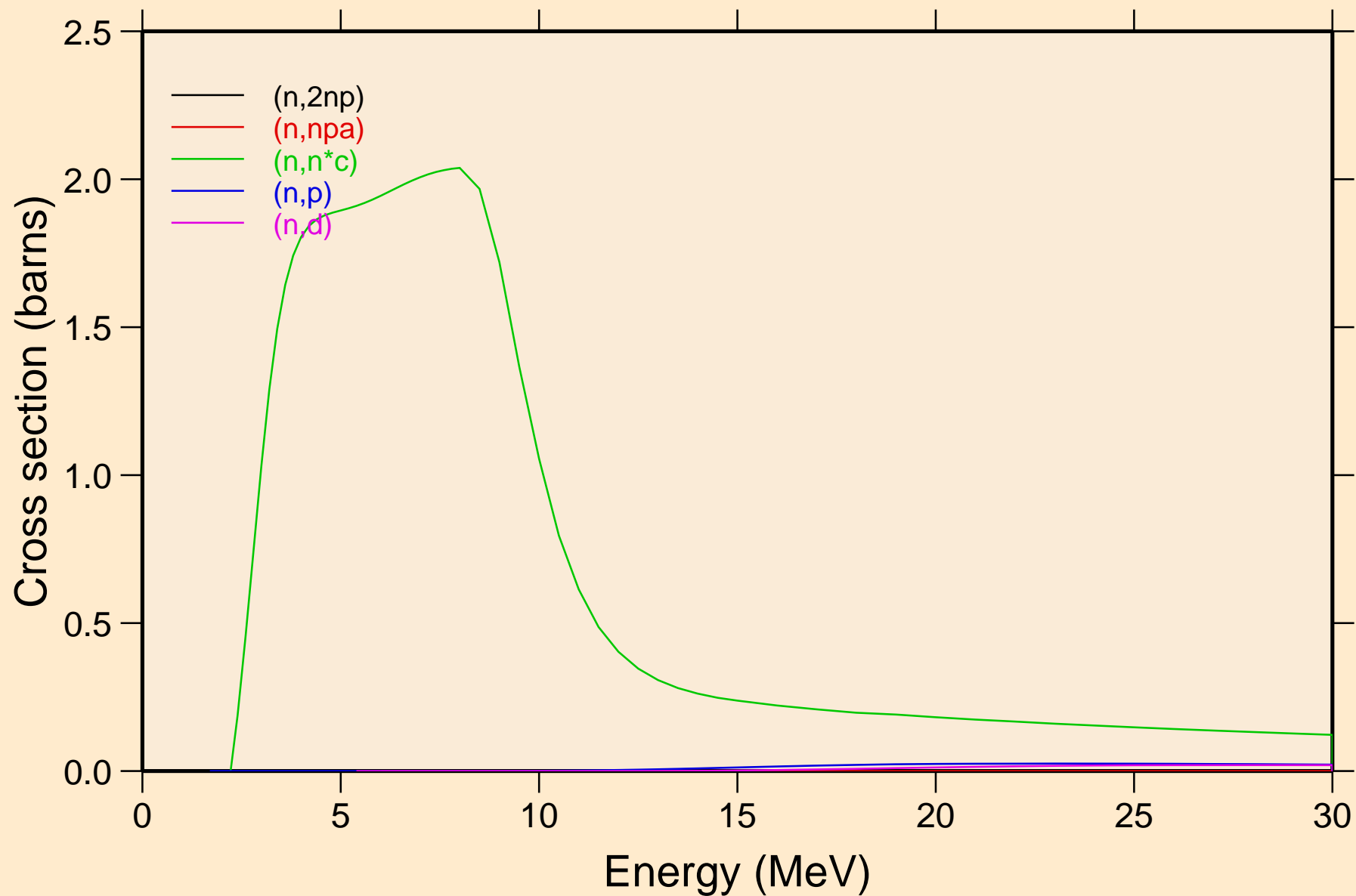




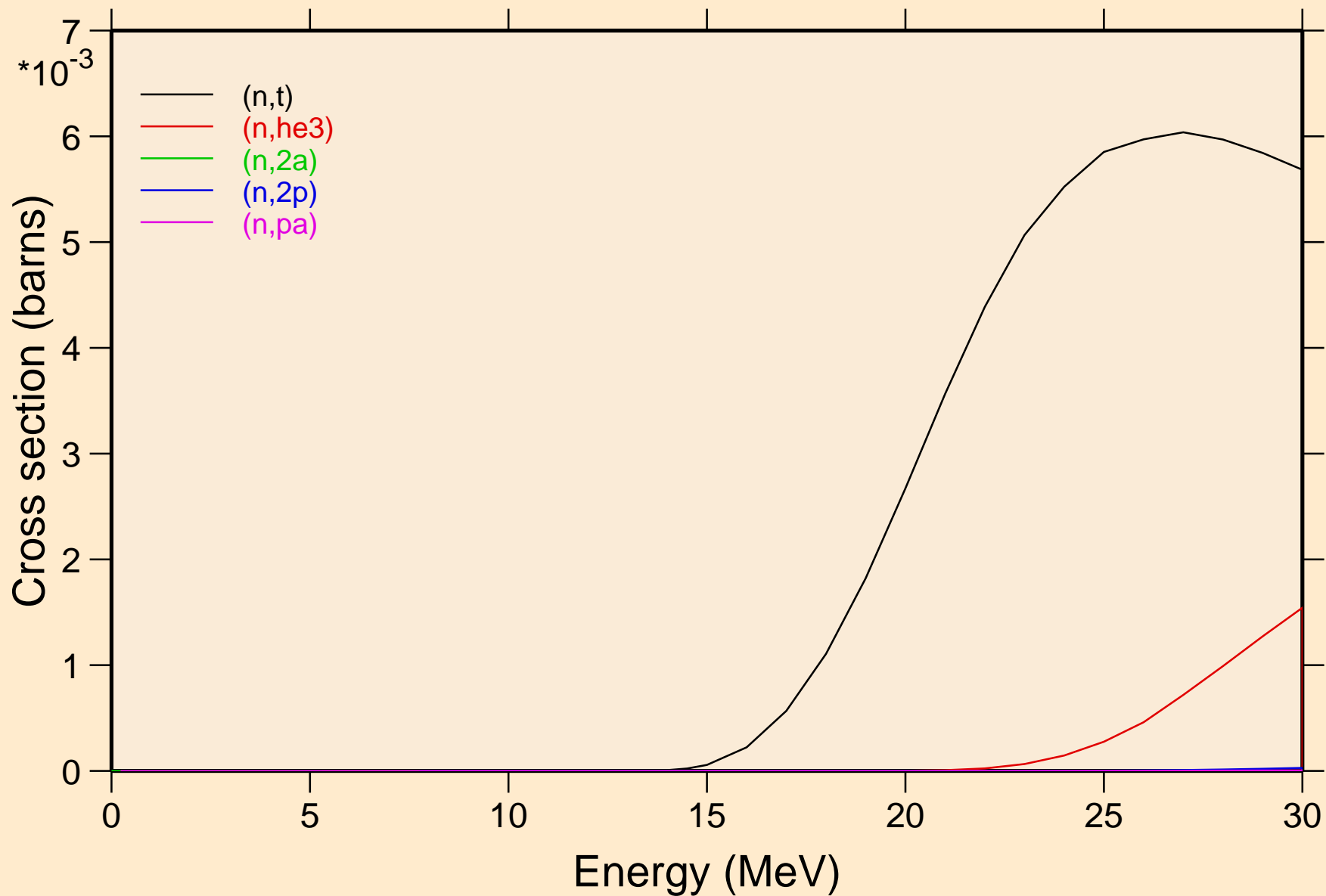
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



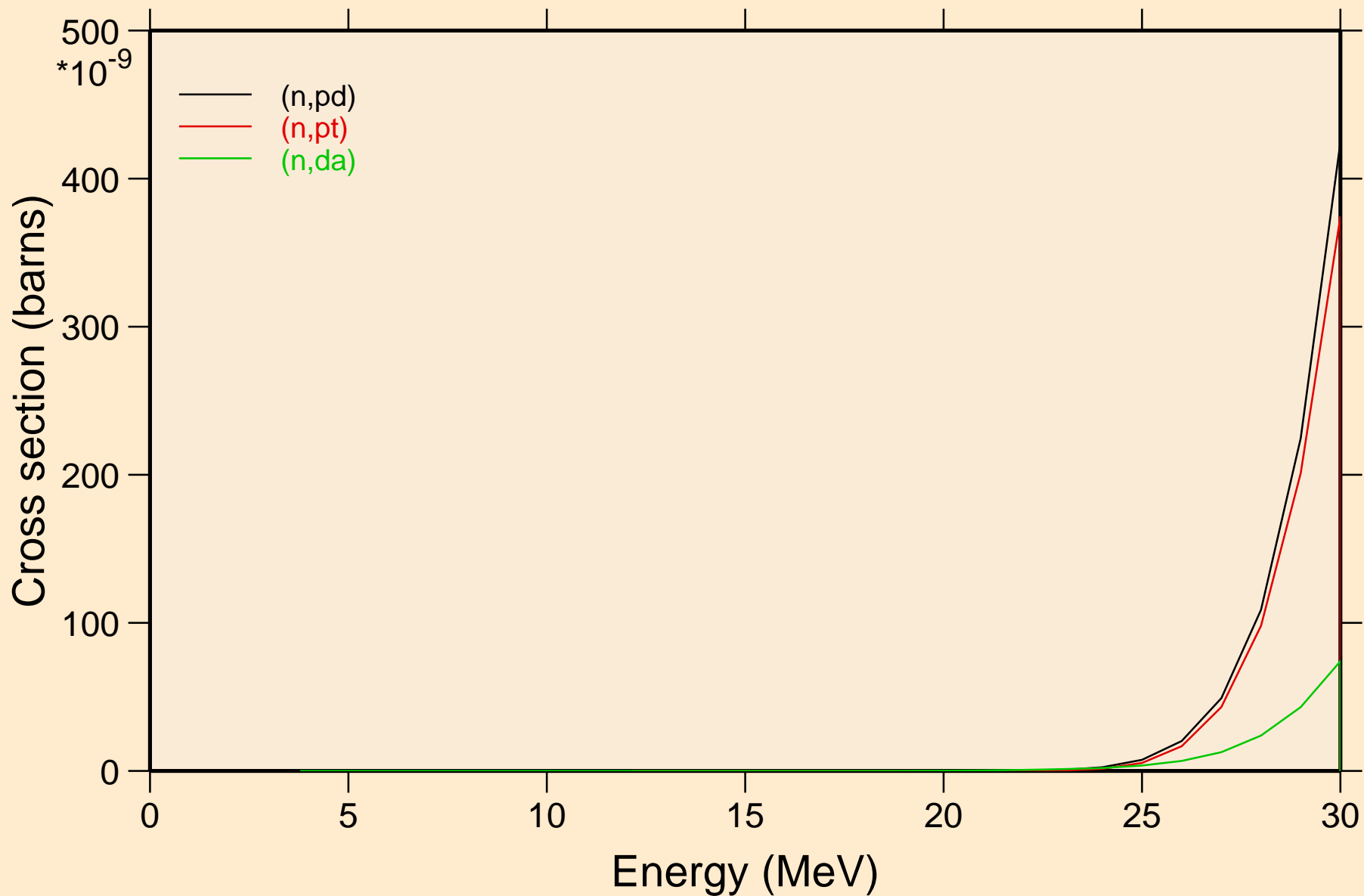
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



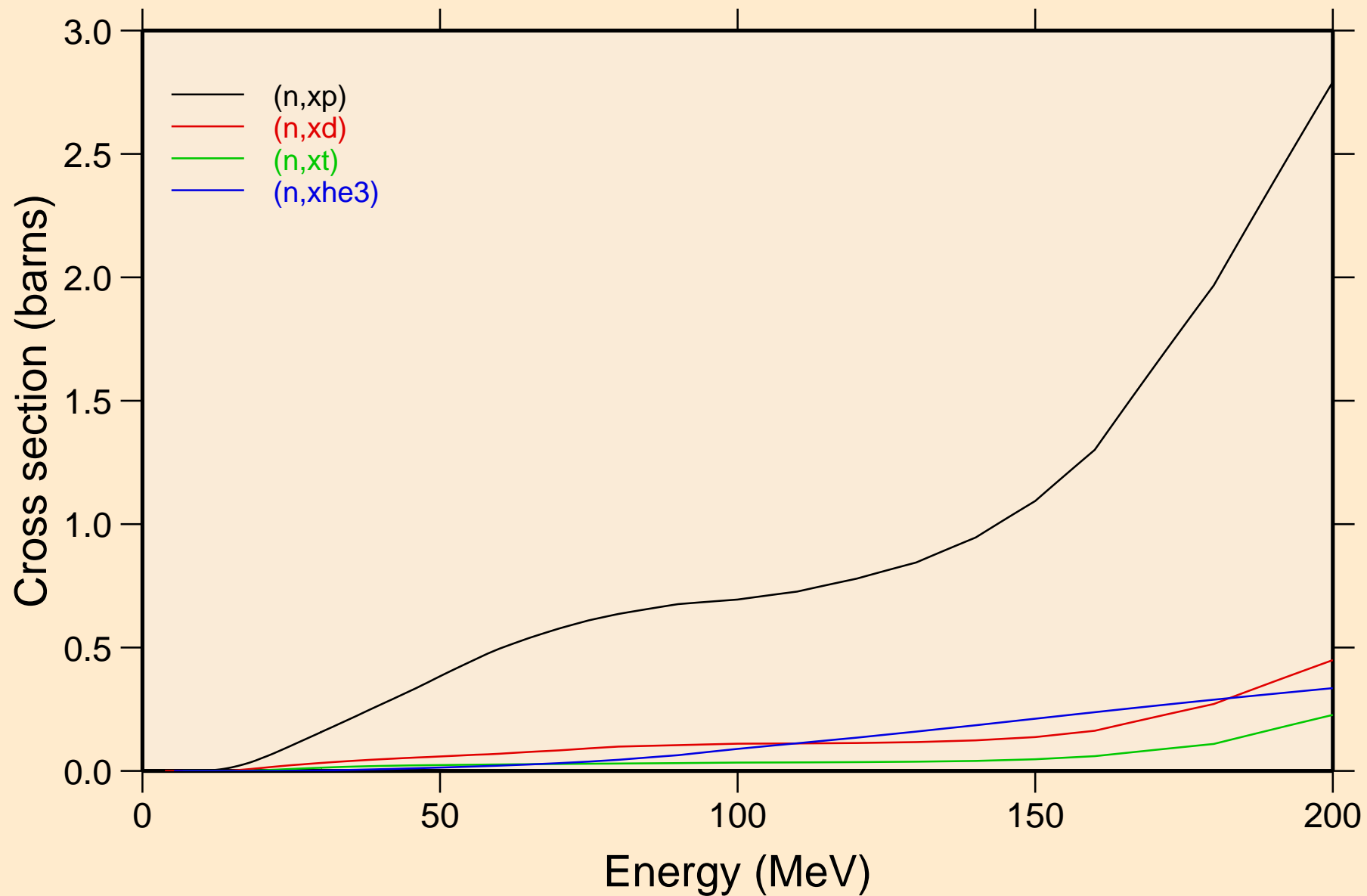
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



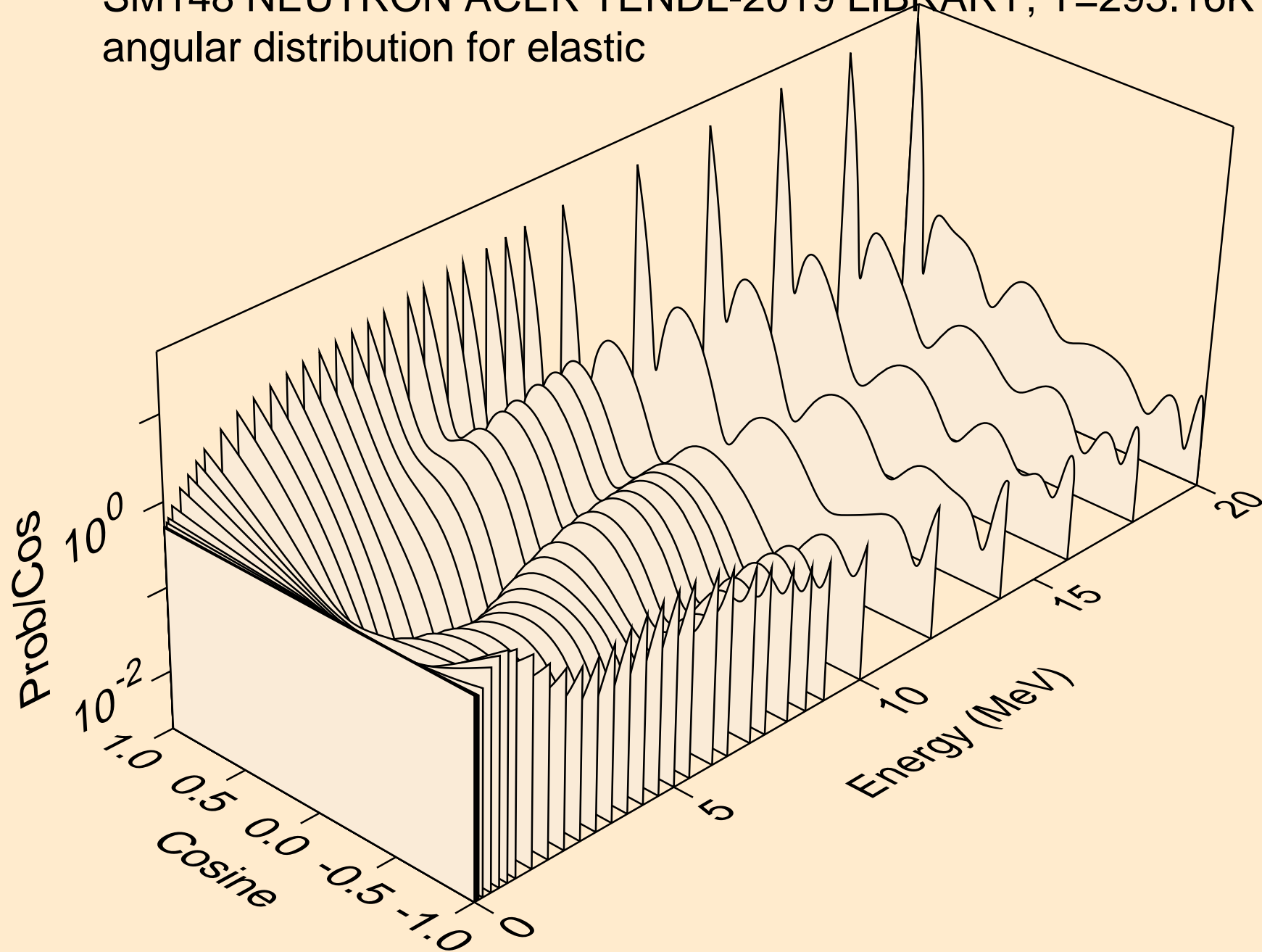
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



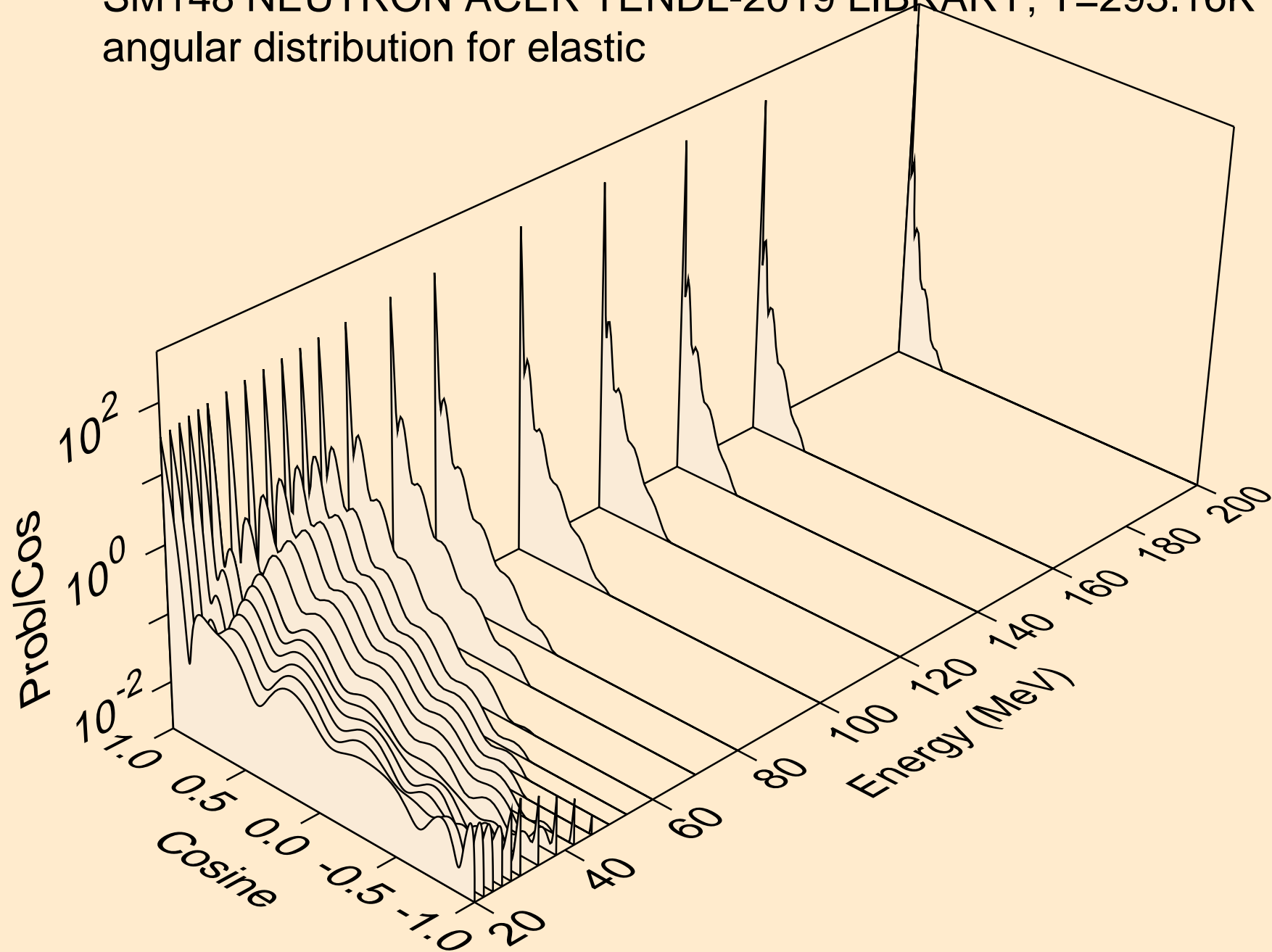
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



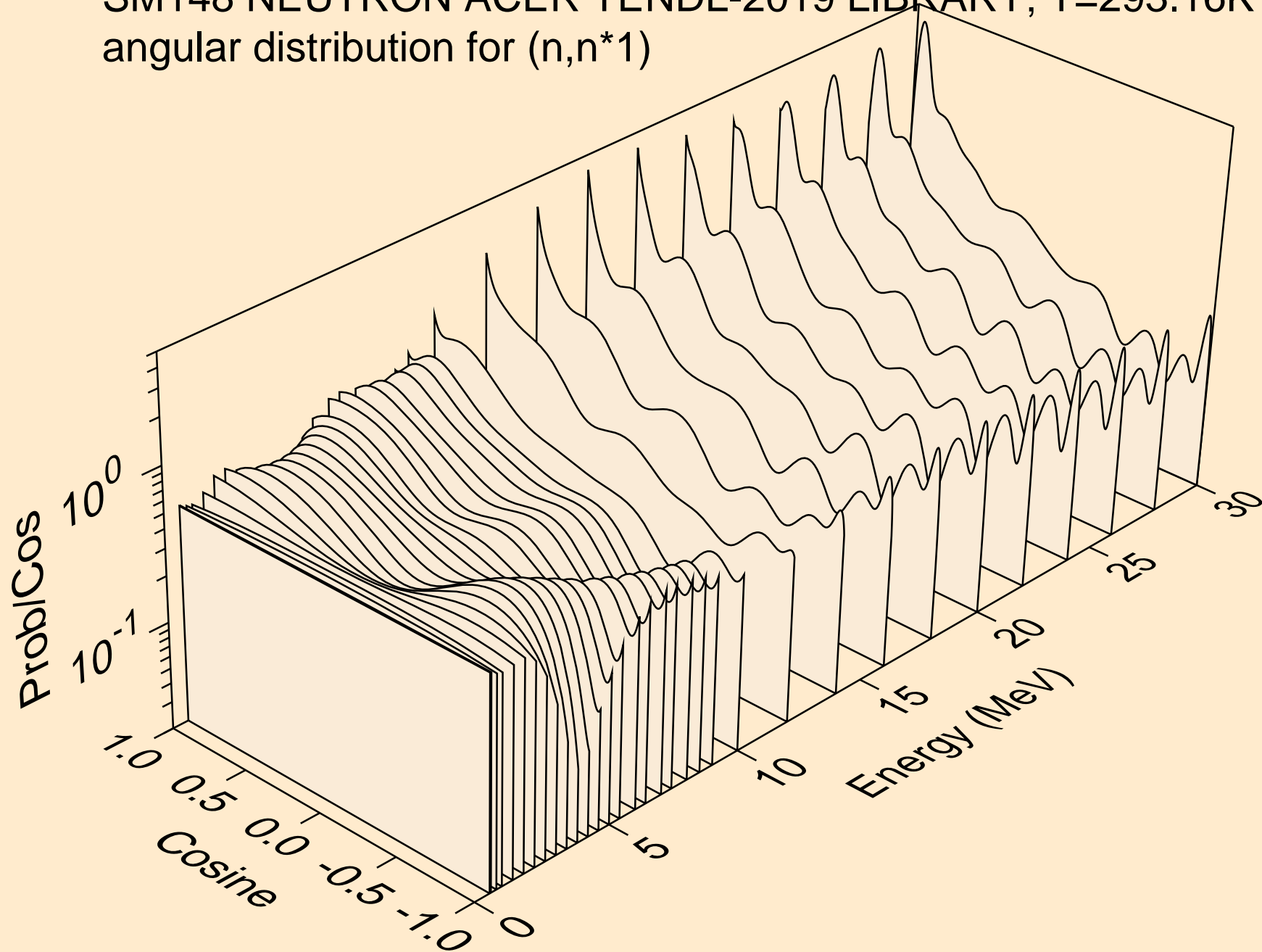
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic

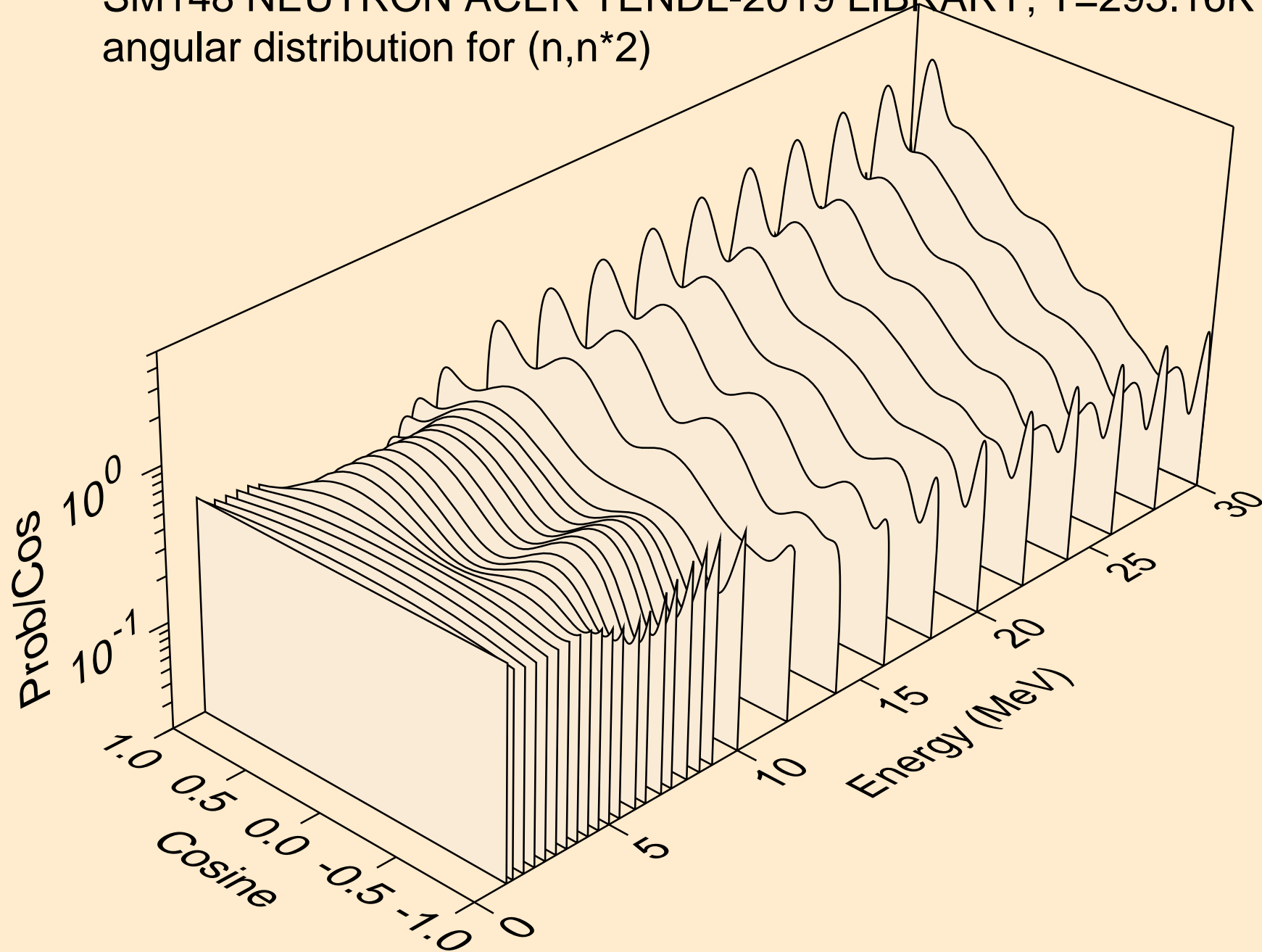


SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)

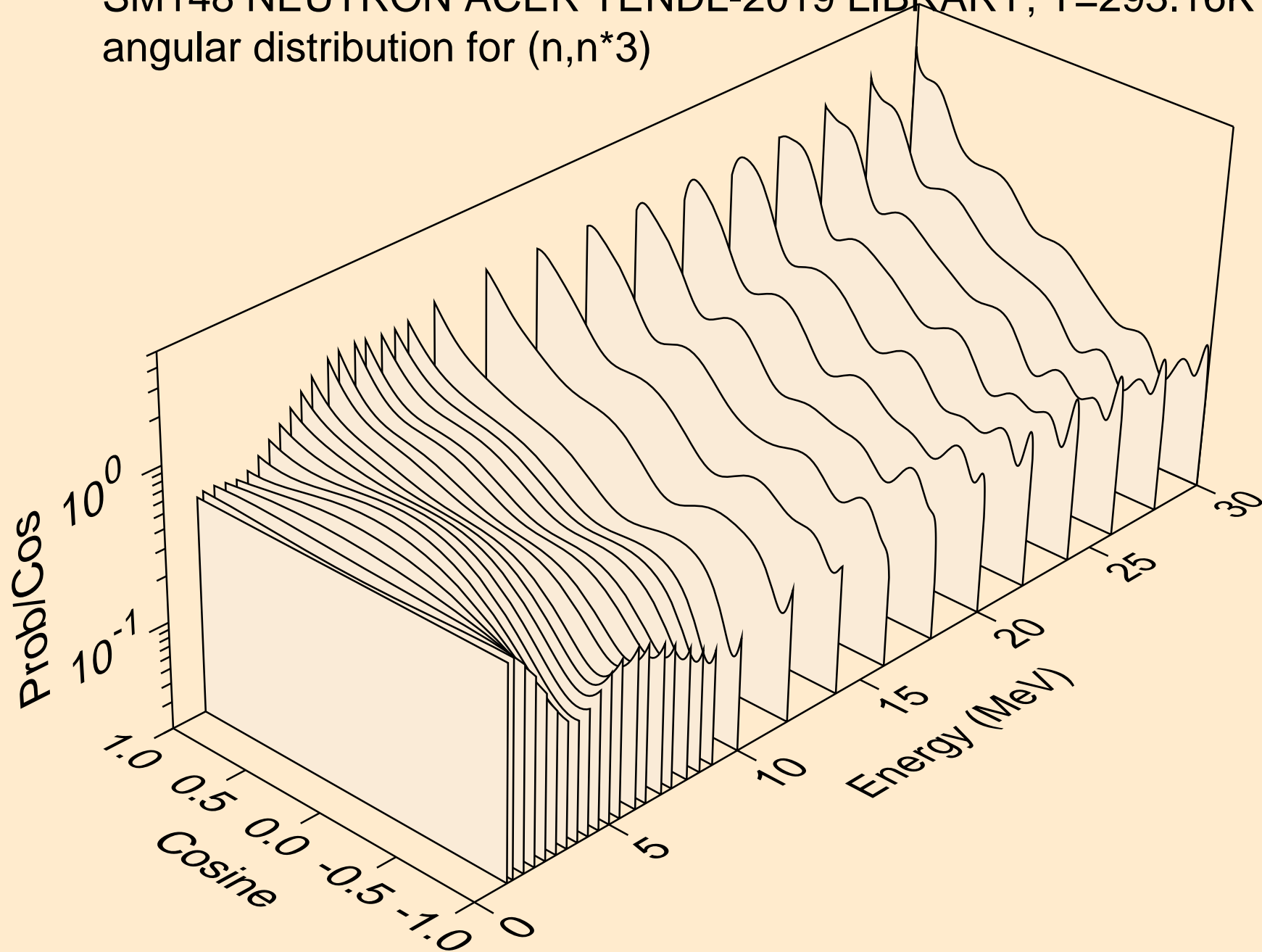




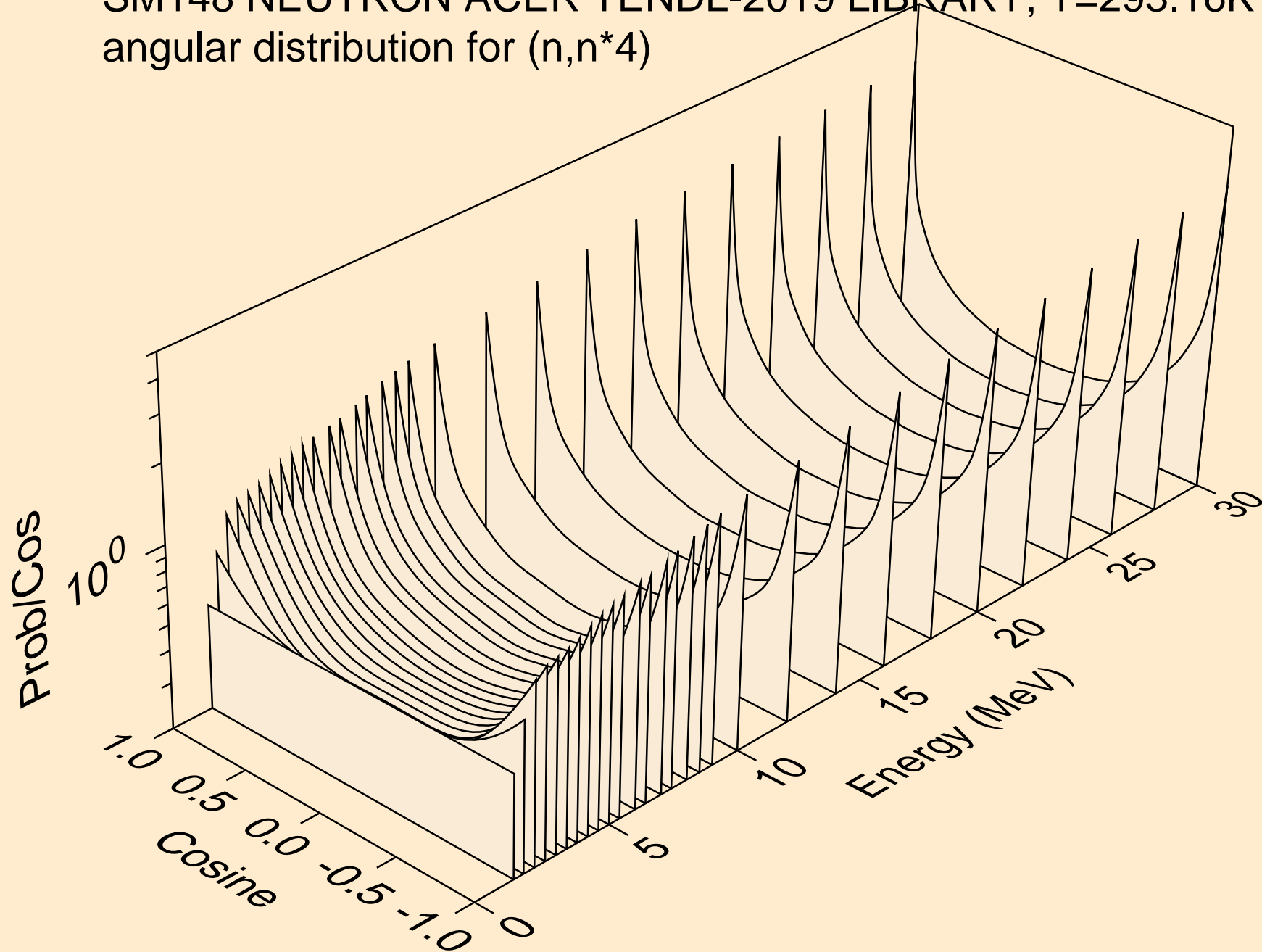
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)



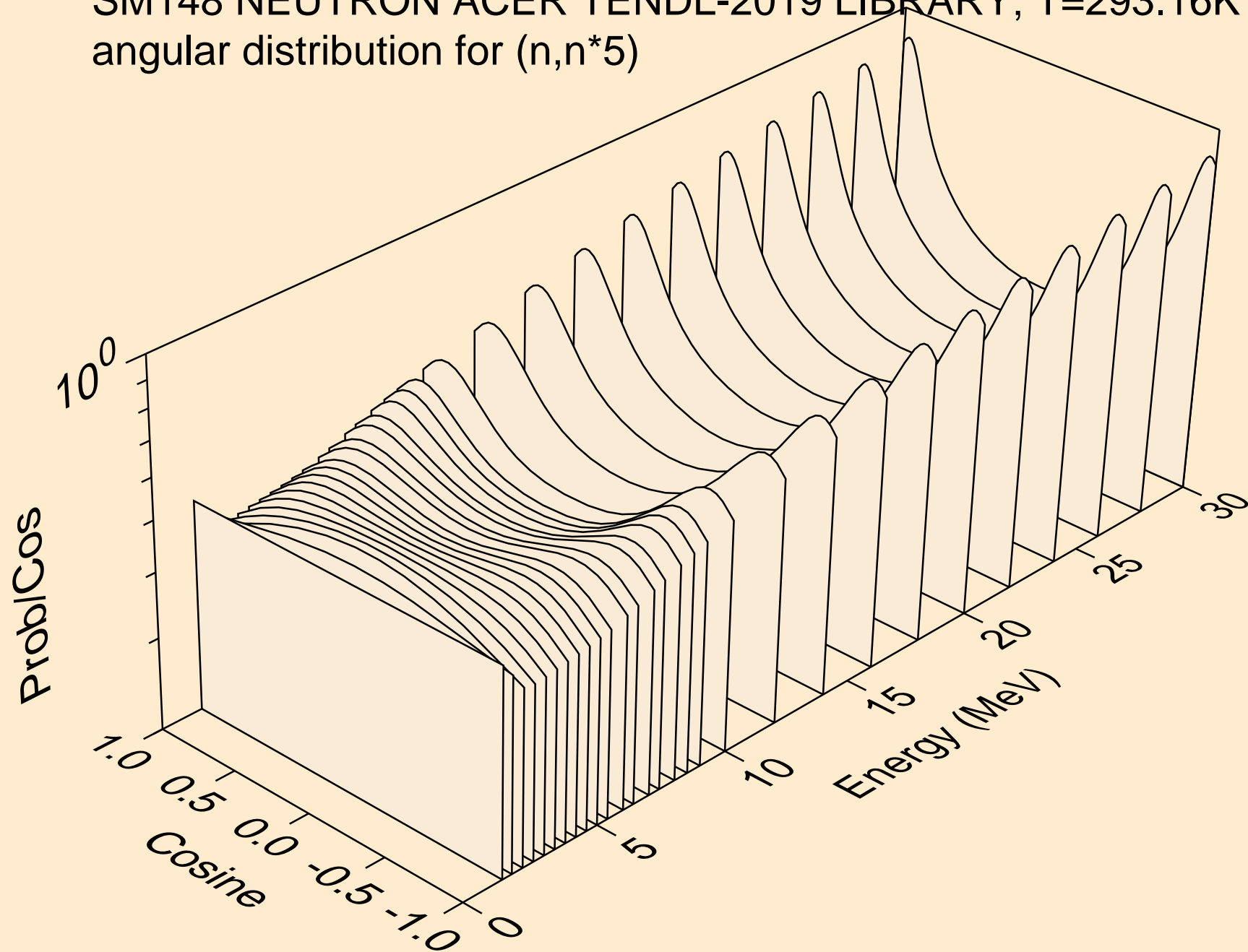
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*3)



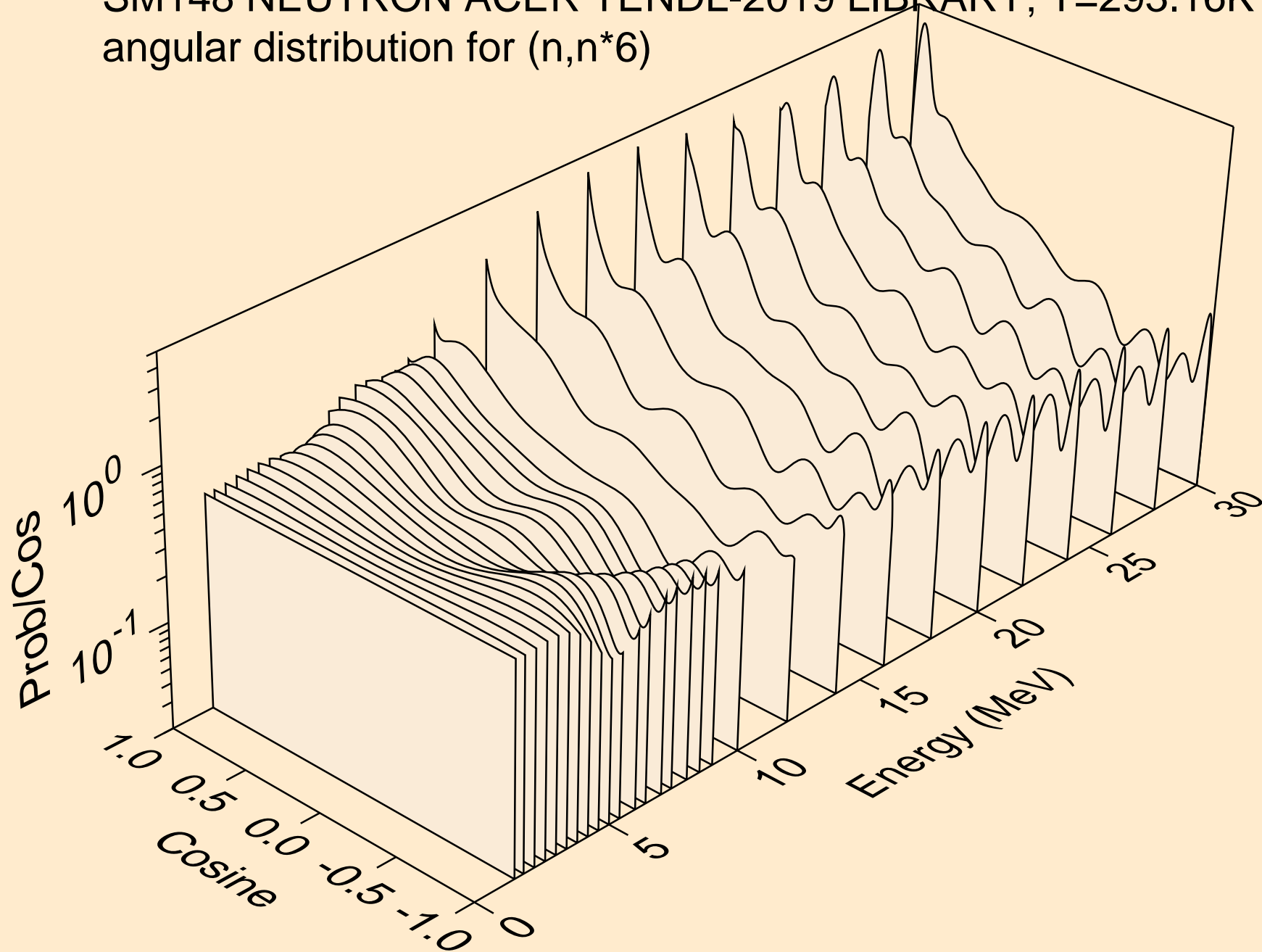
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*4)



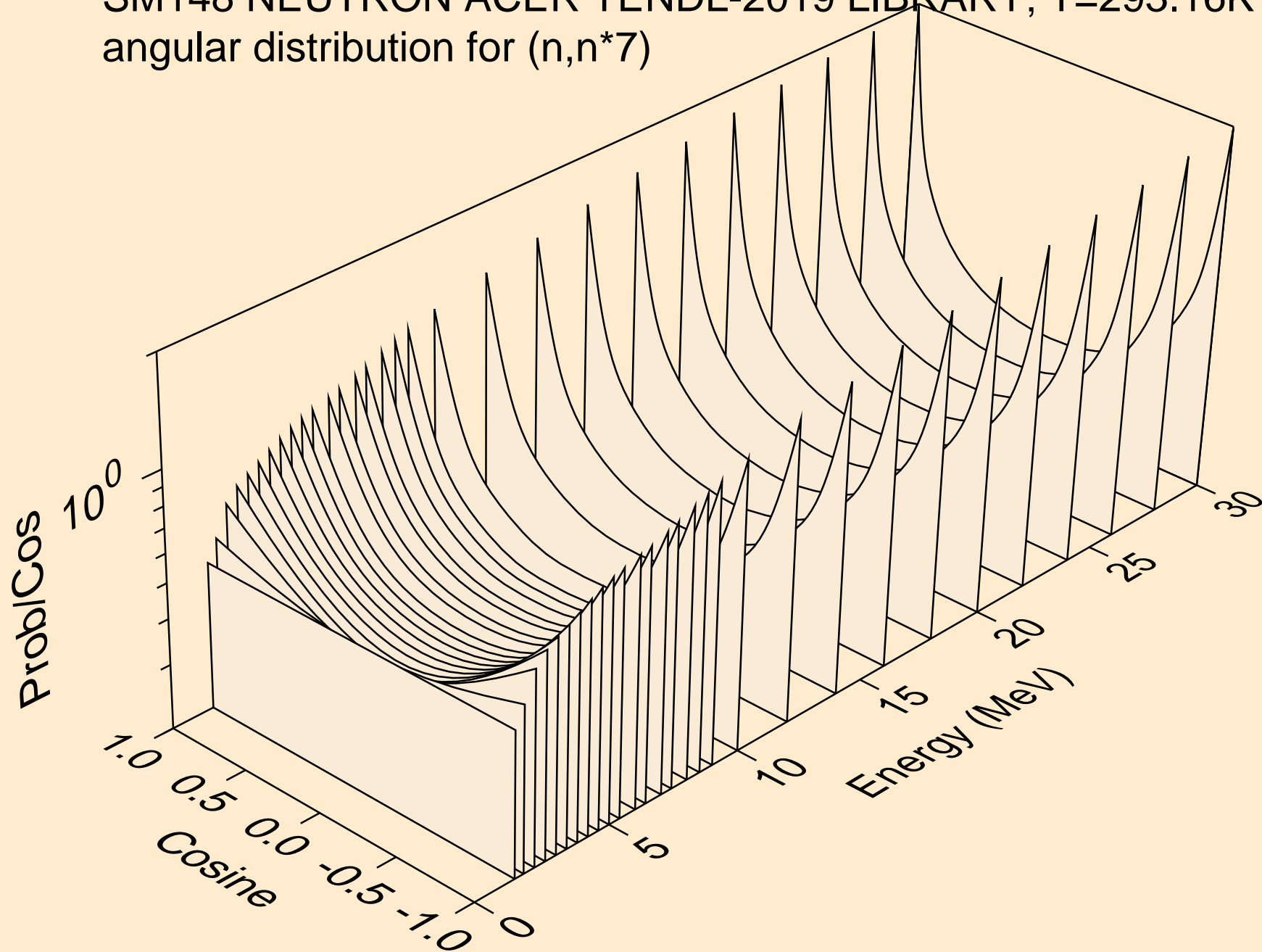
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*5)



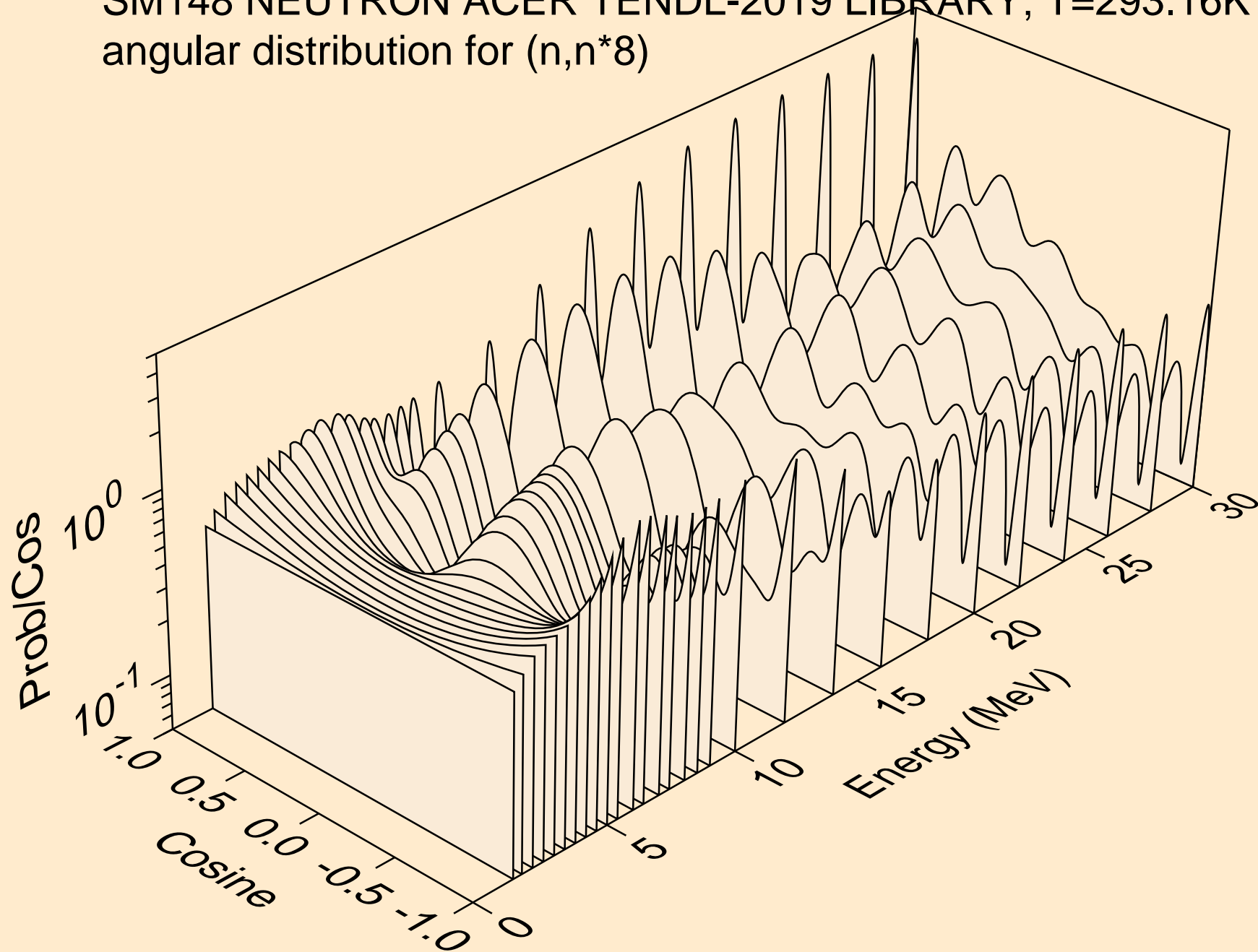
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*6)



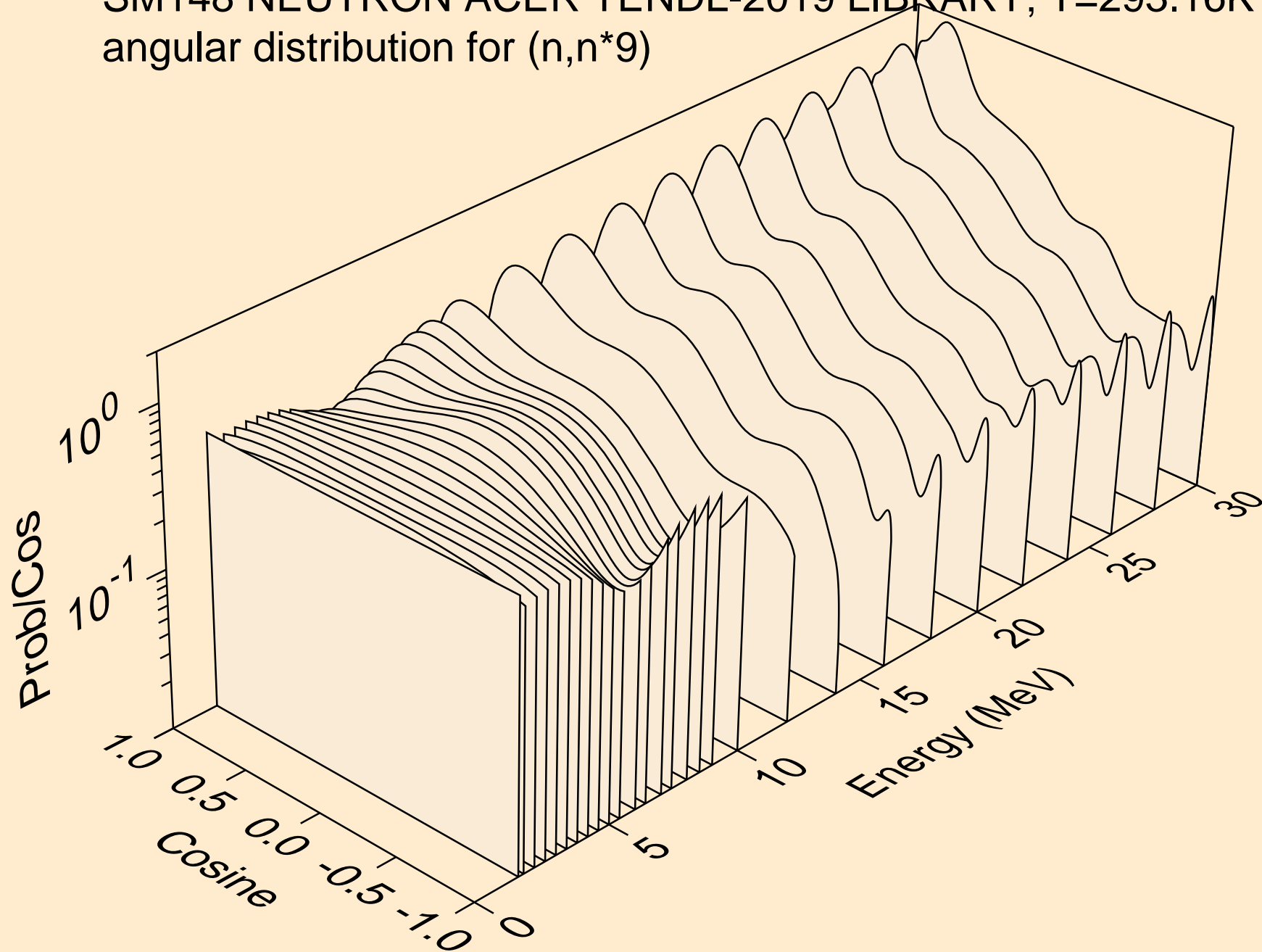
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)



SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)

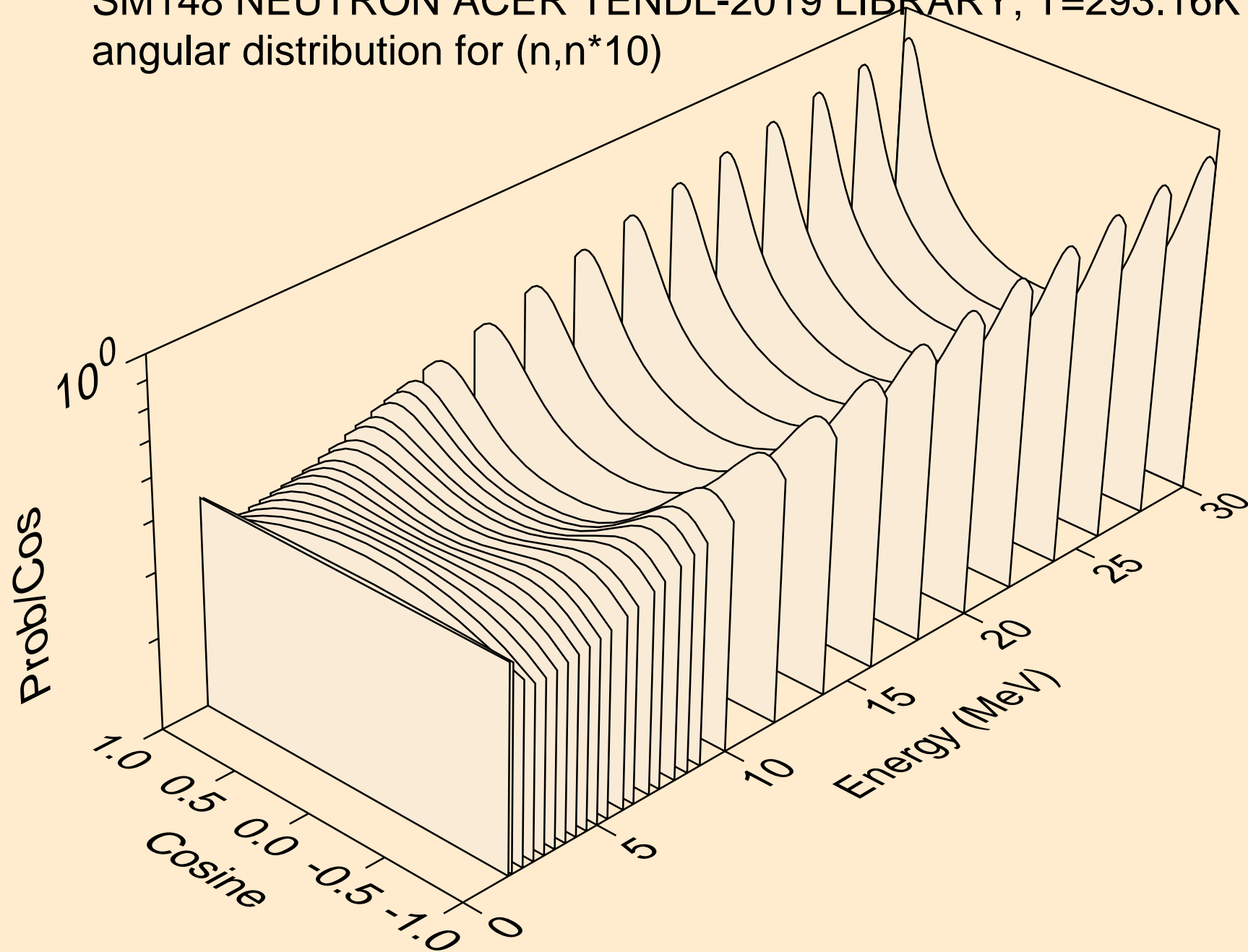


SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)

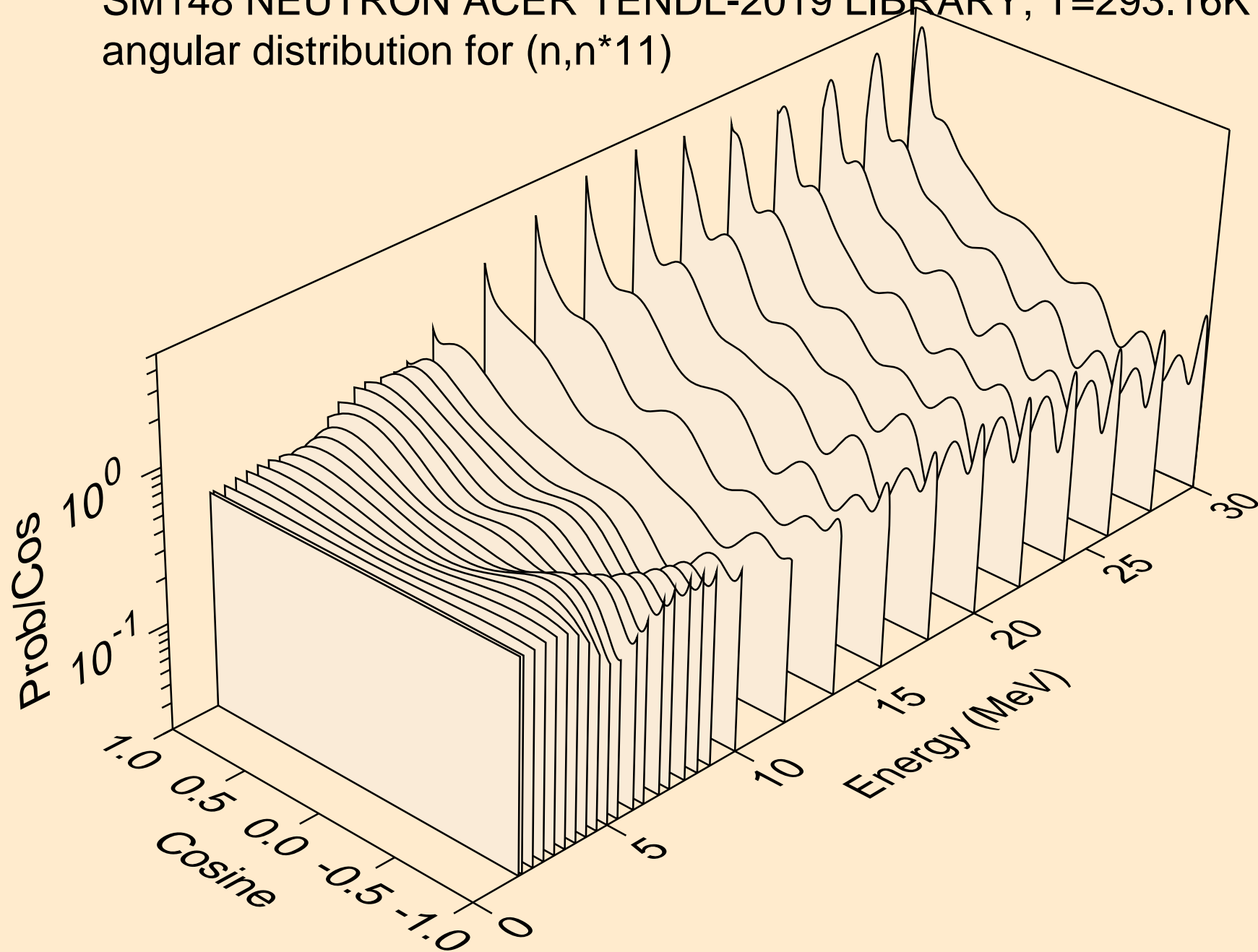




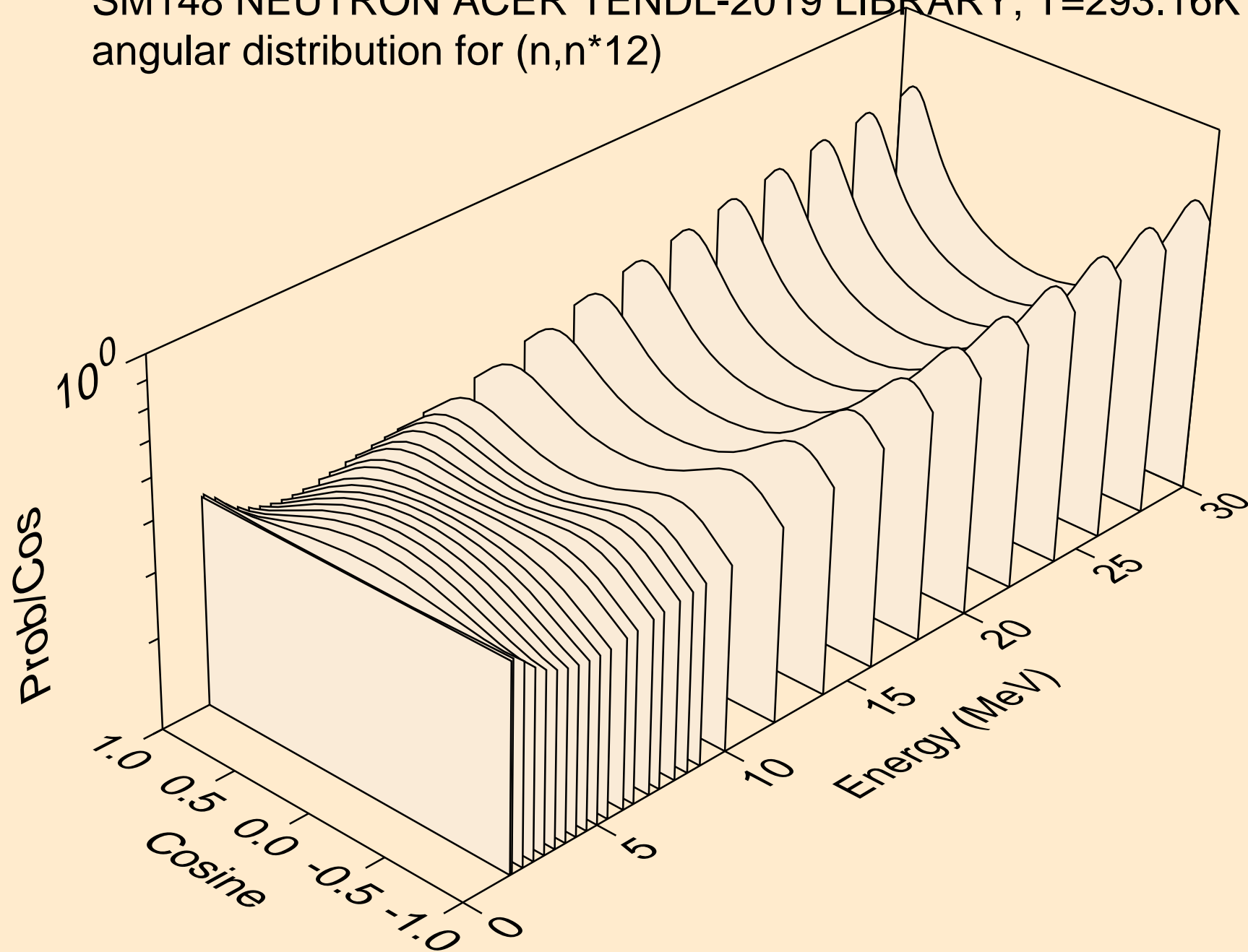
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*10)



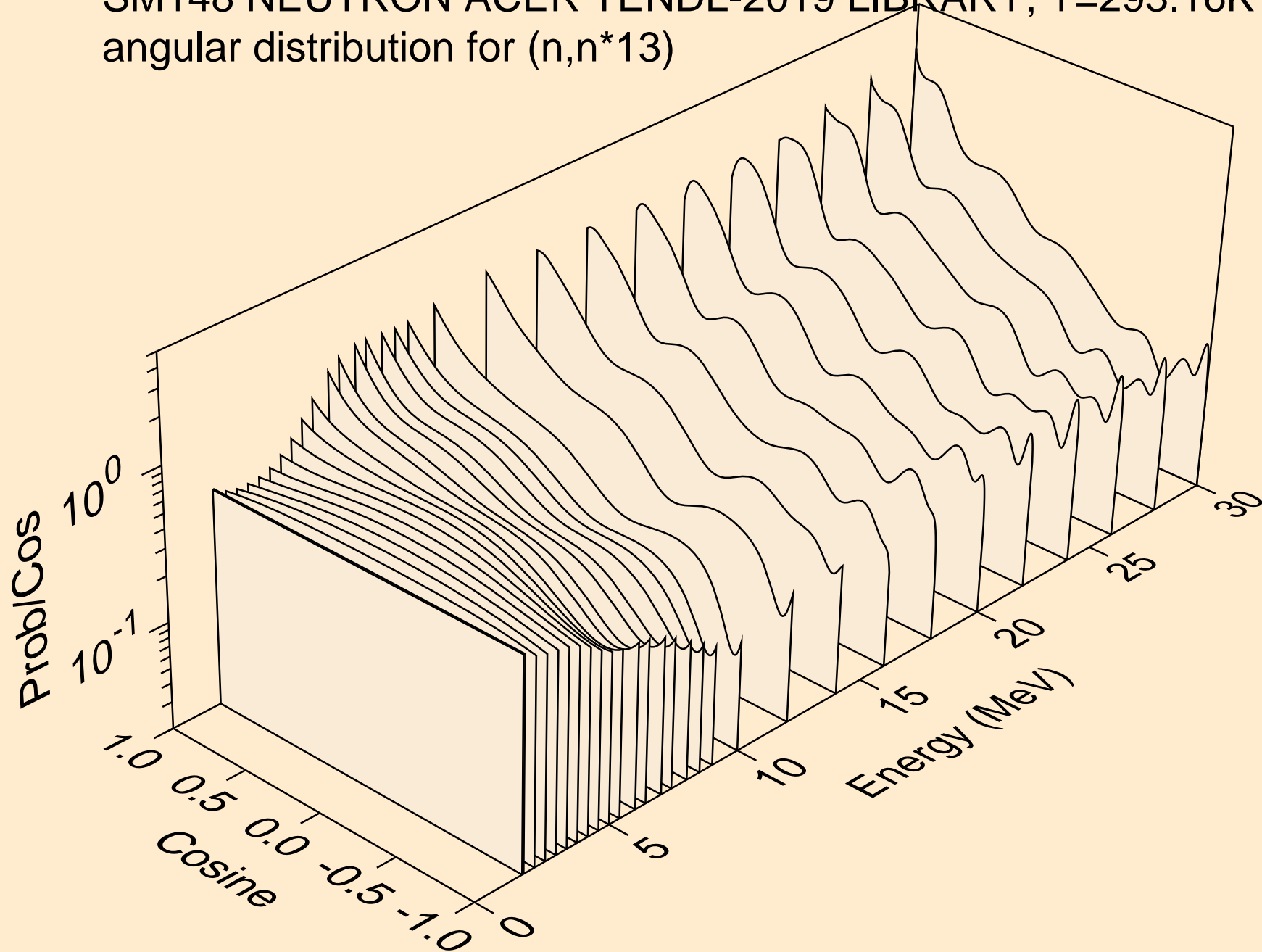
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*11)



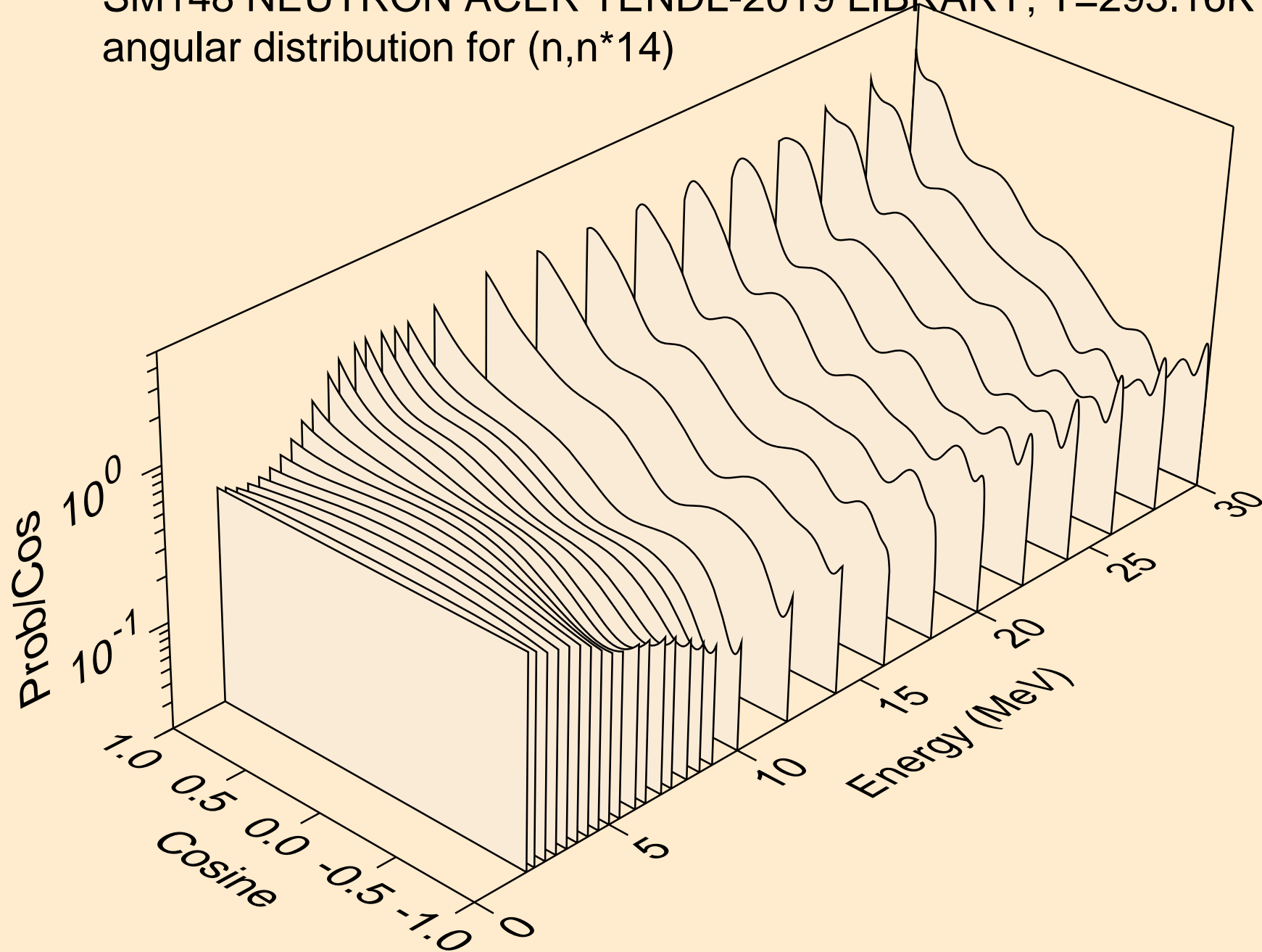
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*12)



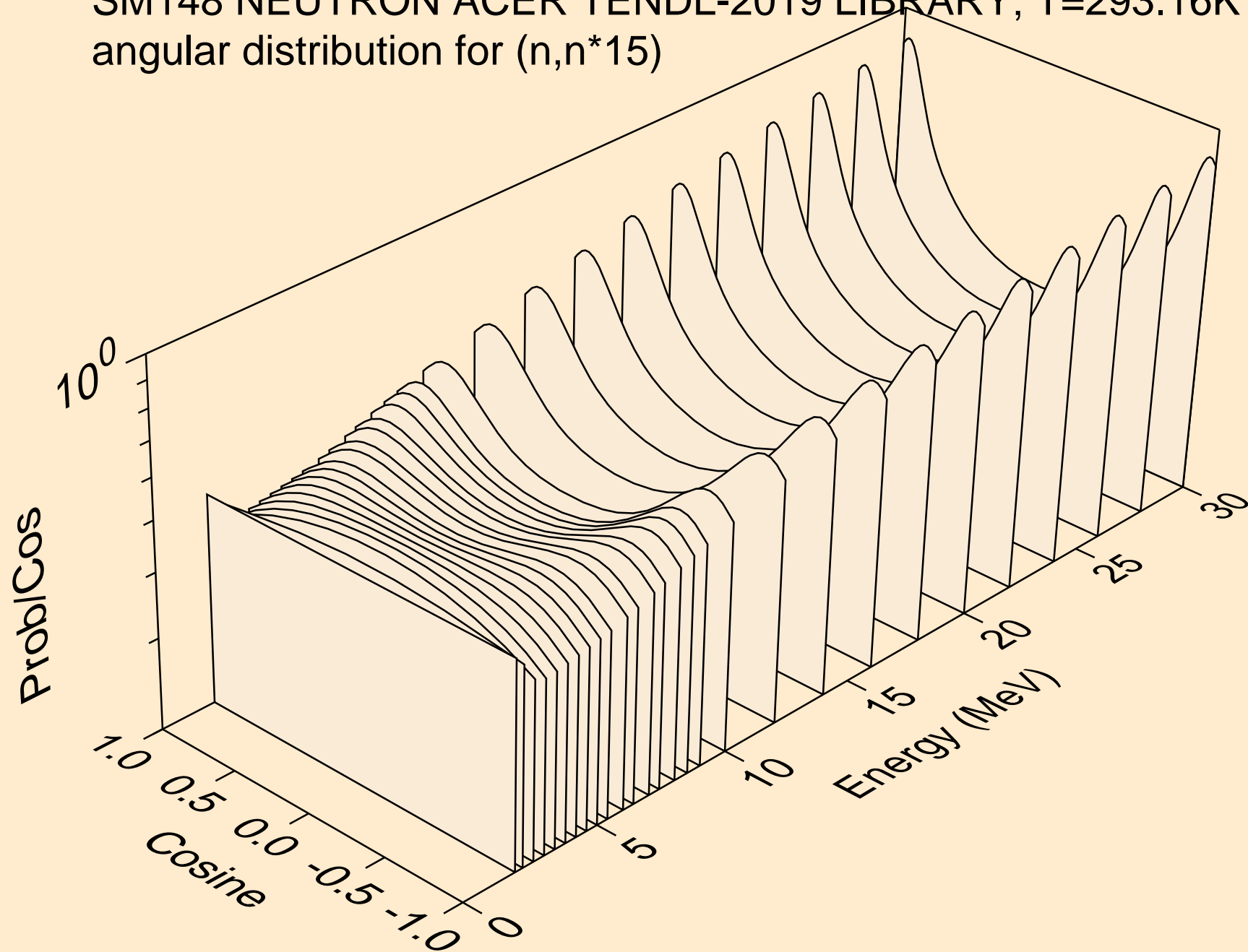
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*13)



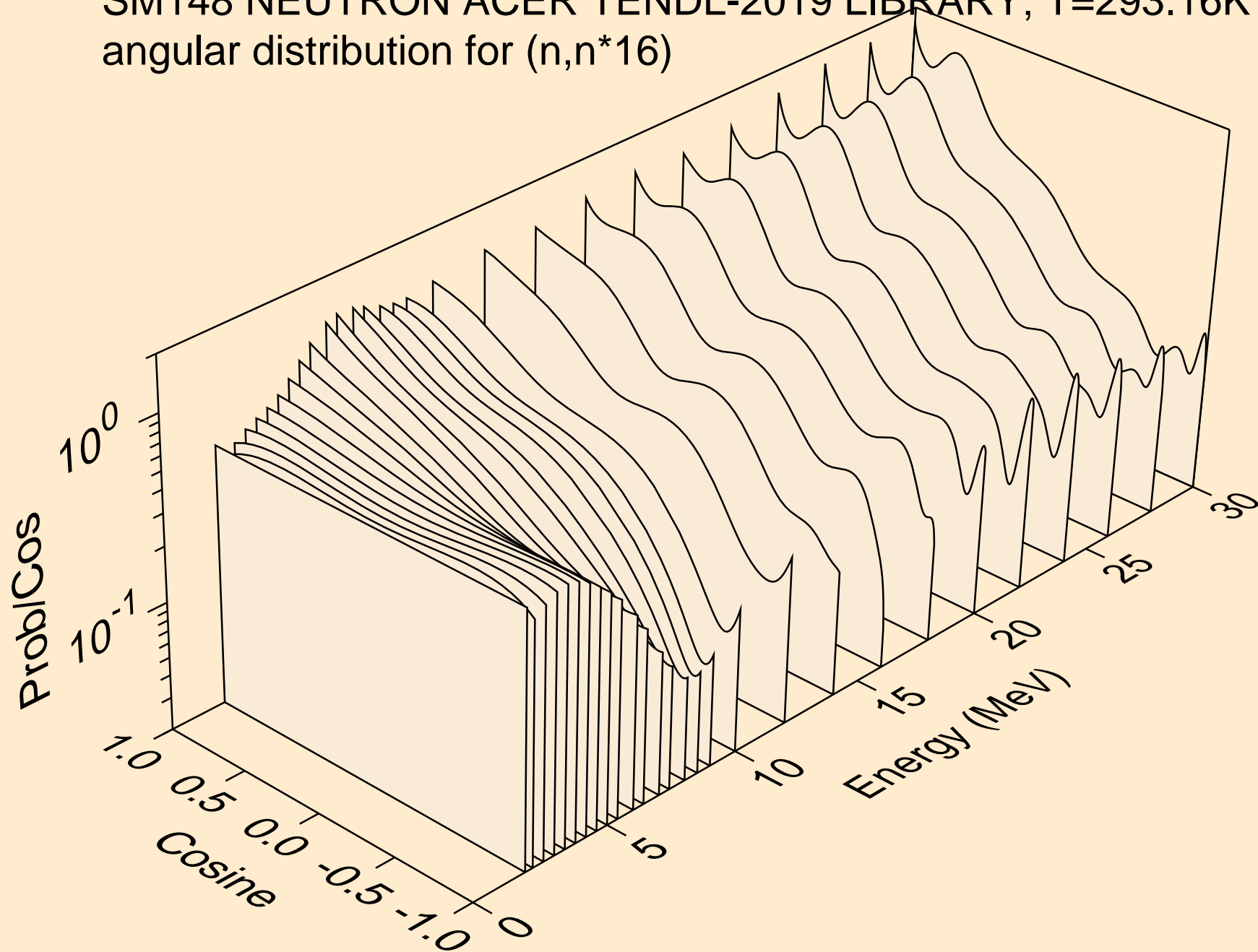
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*14)



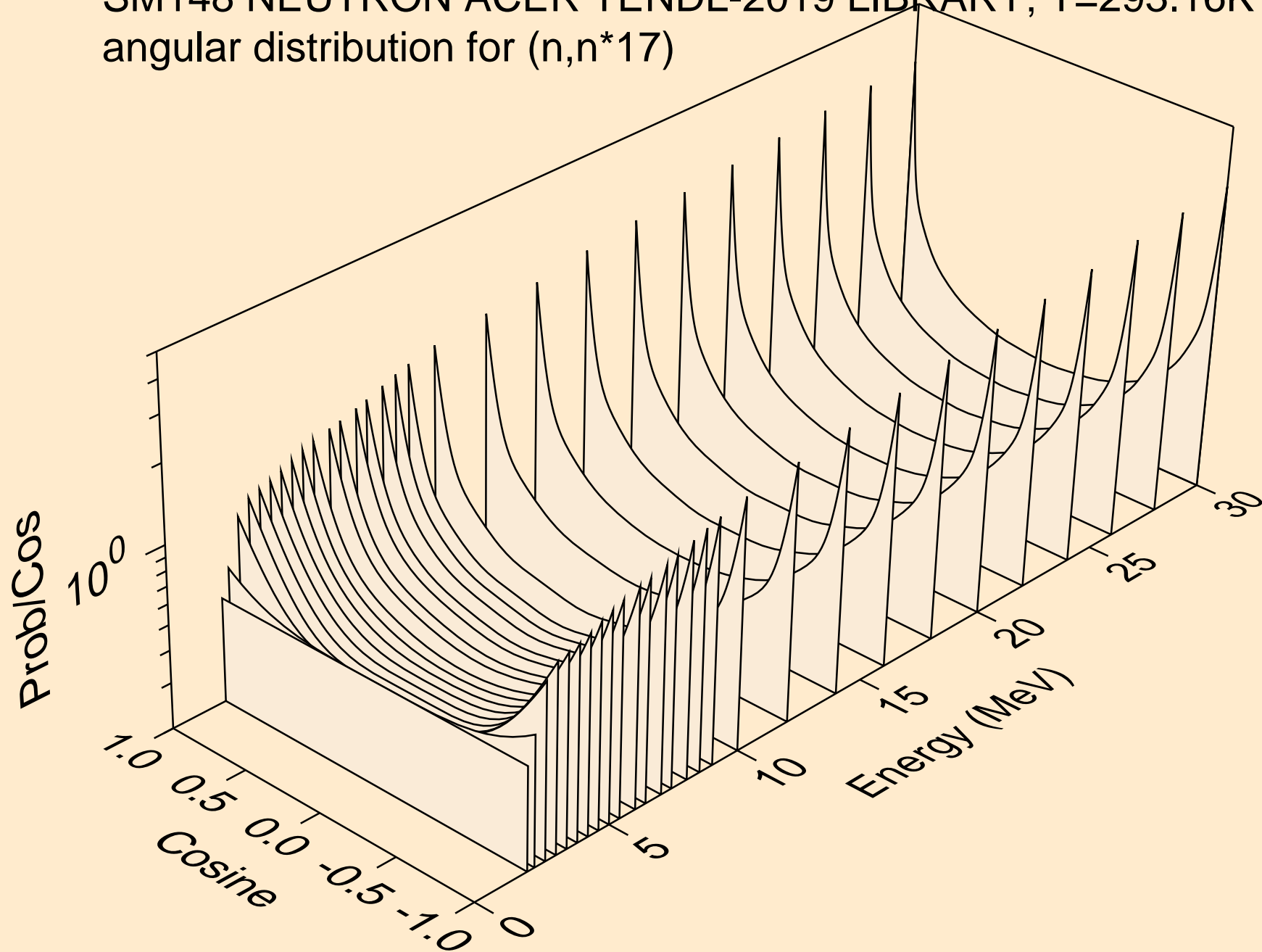
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*15)



SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*16)

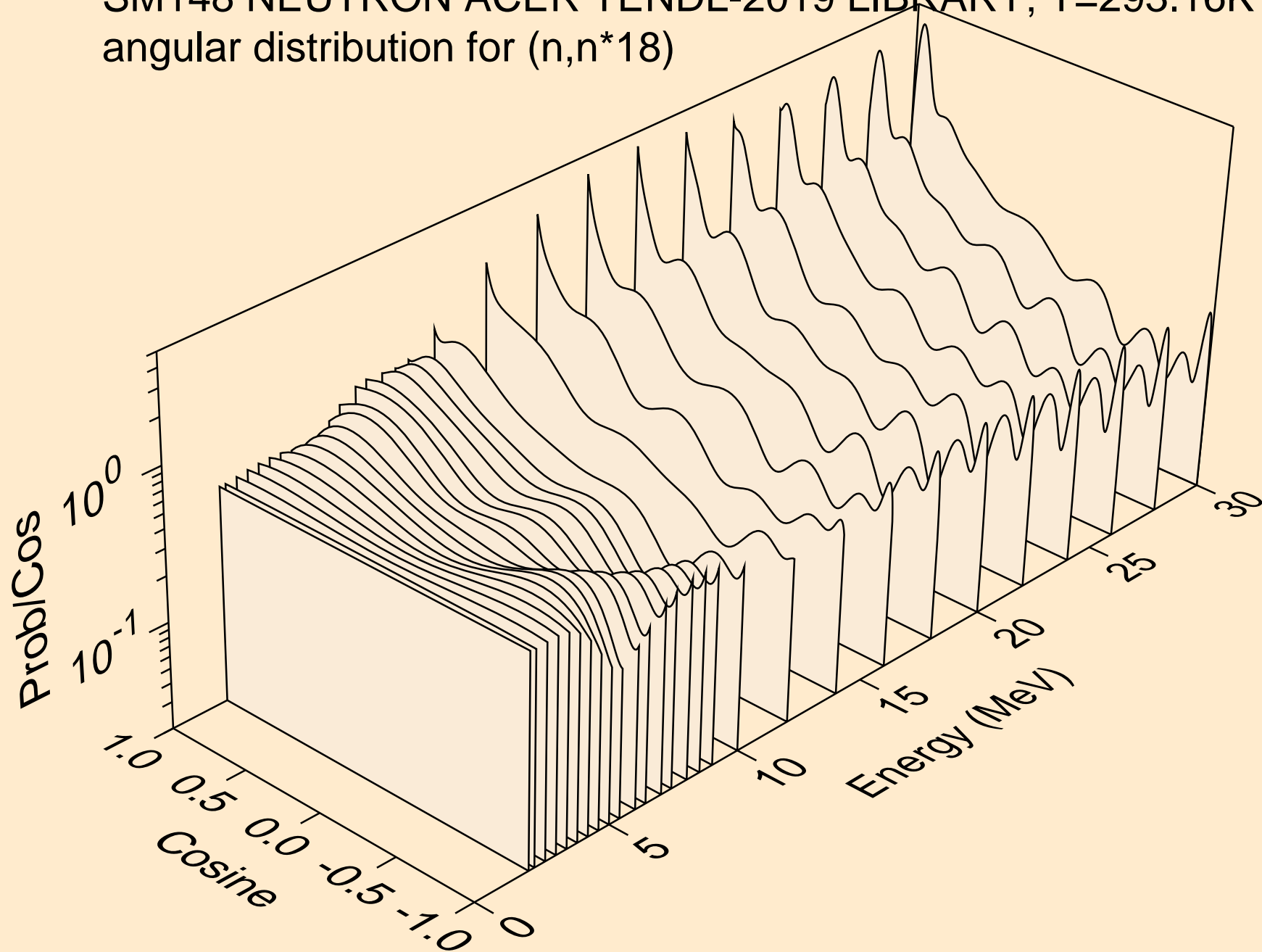


SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*17)

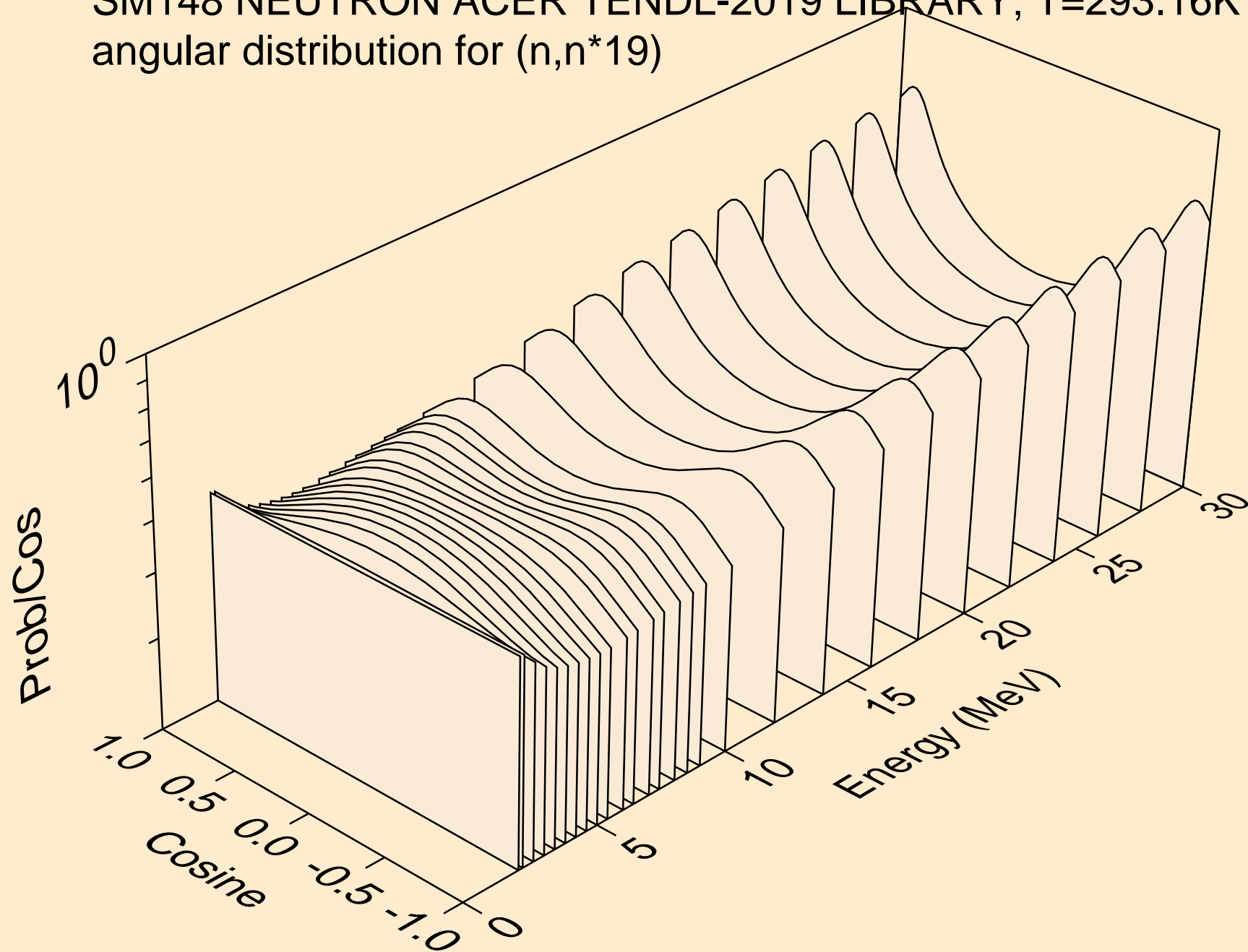




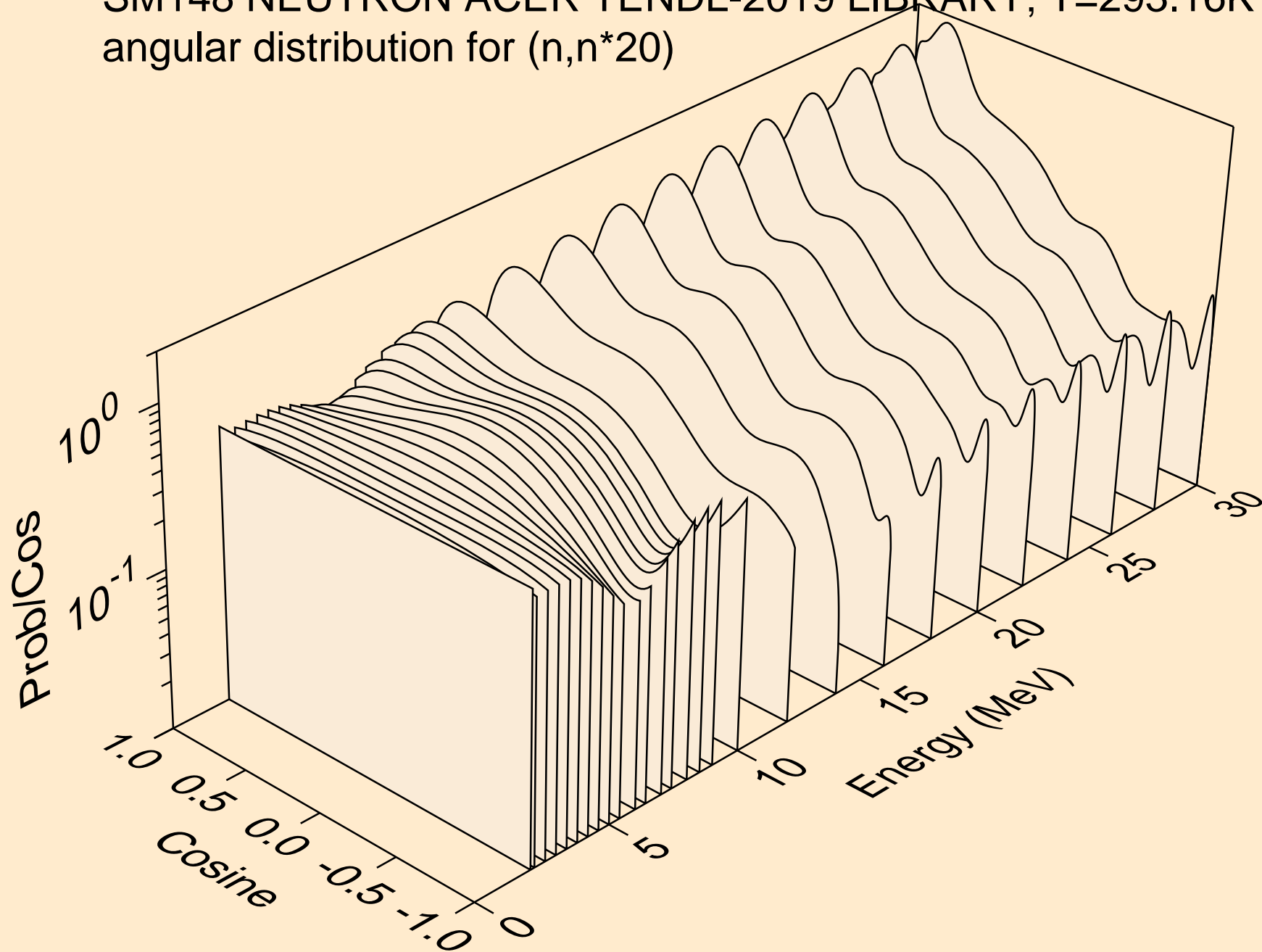
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*18)



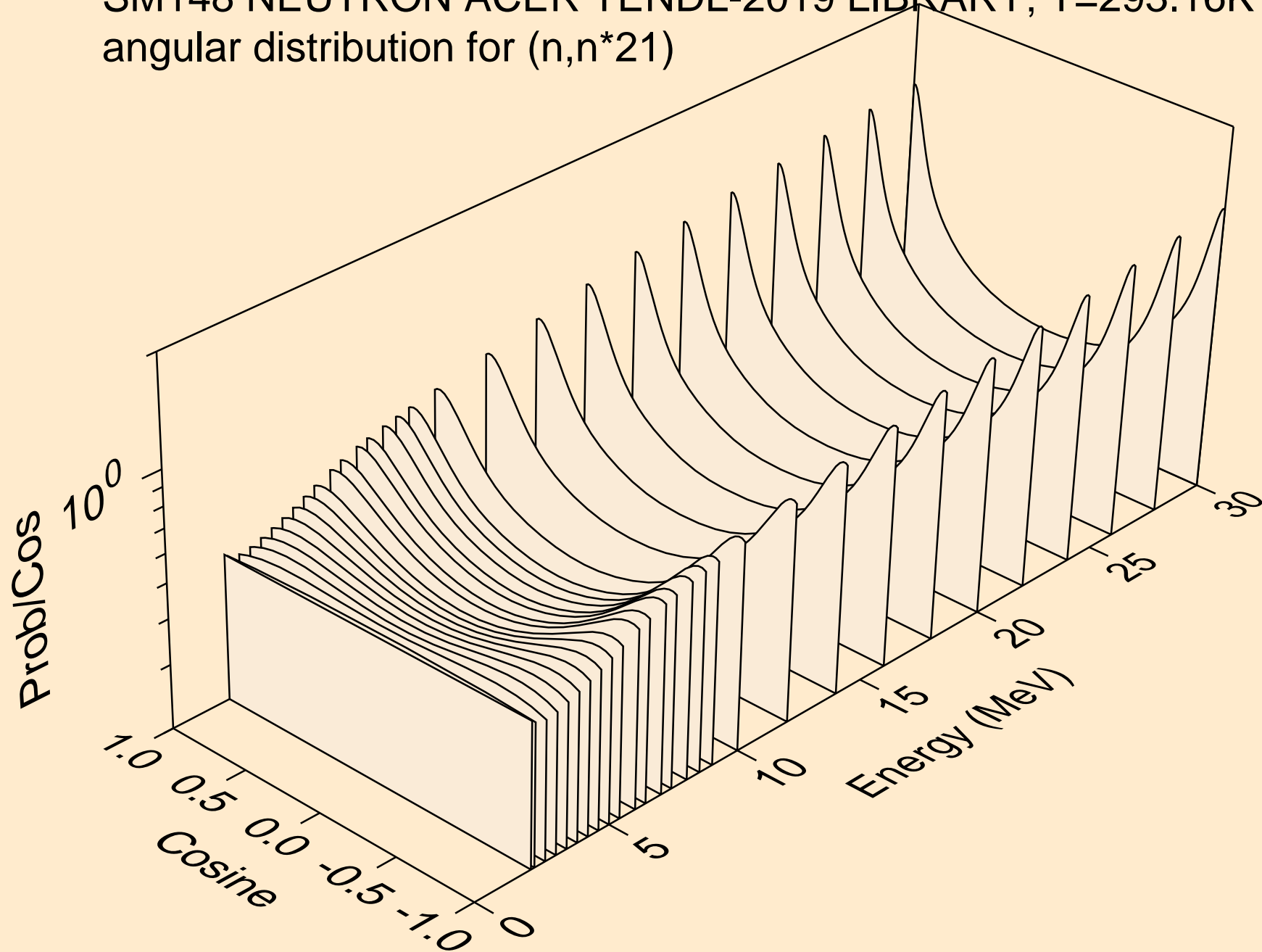
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*19)



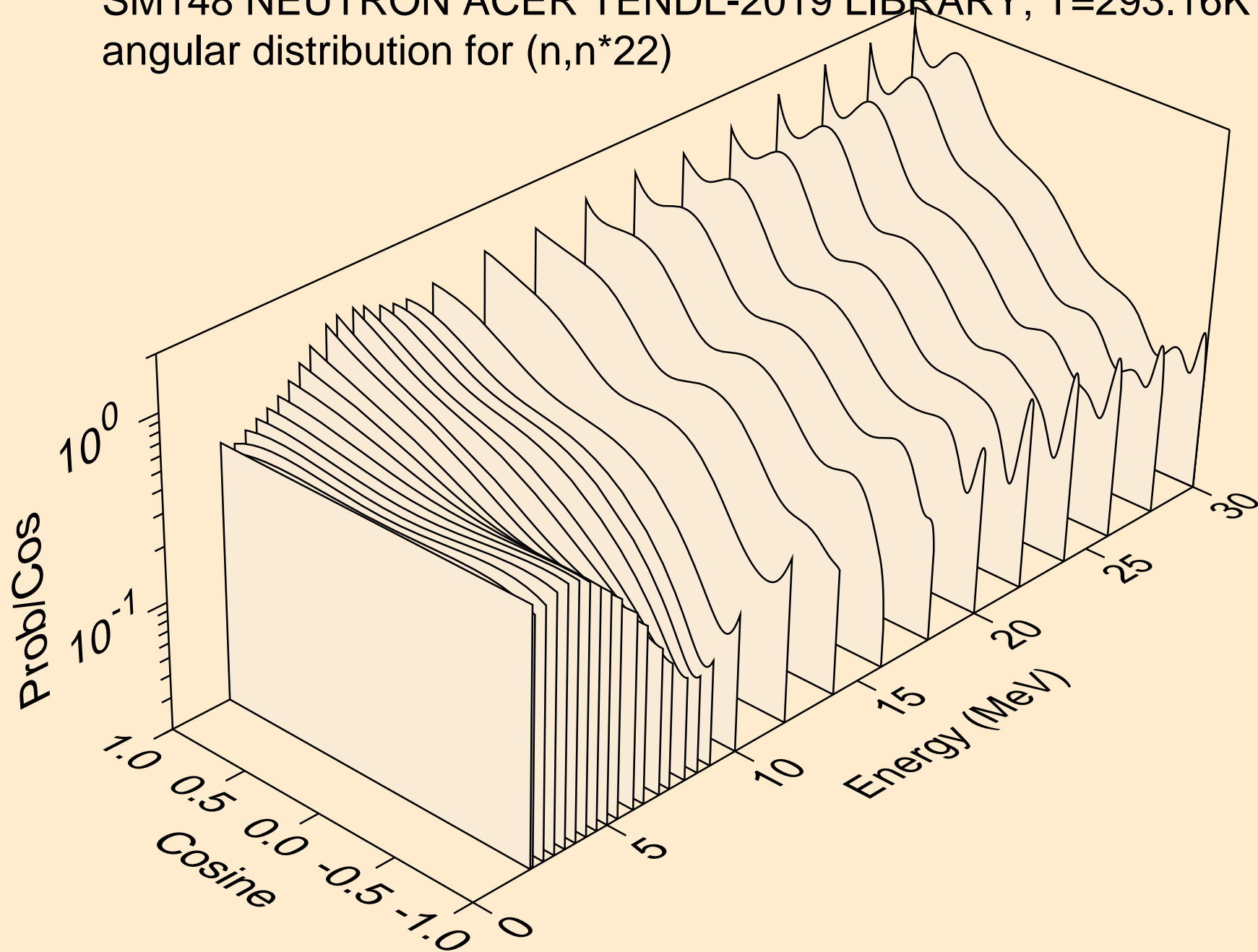
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*20)



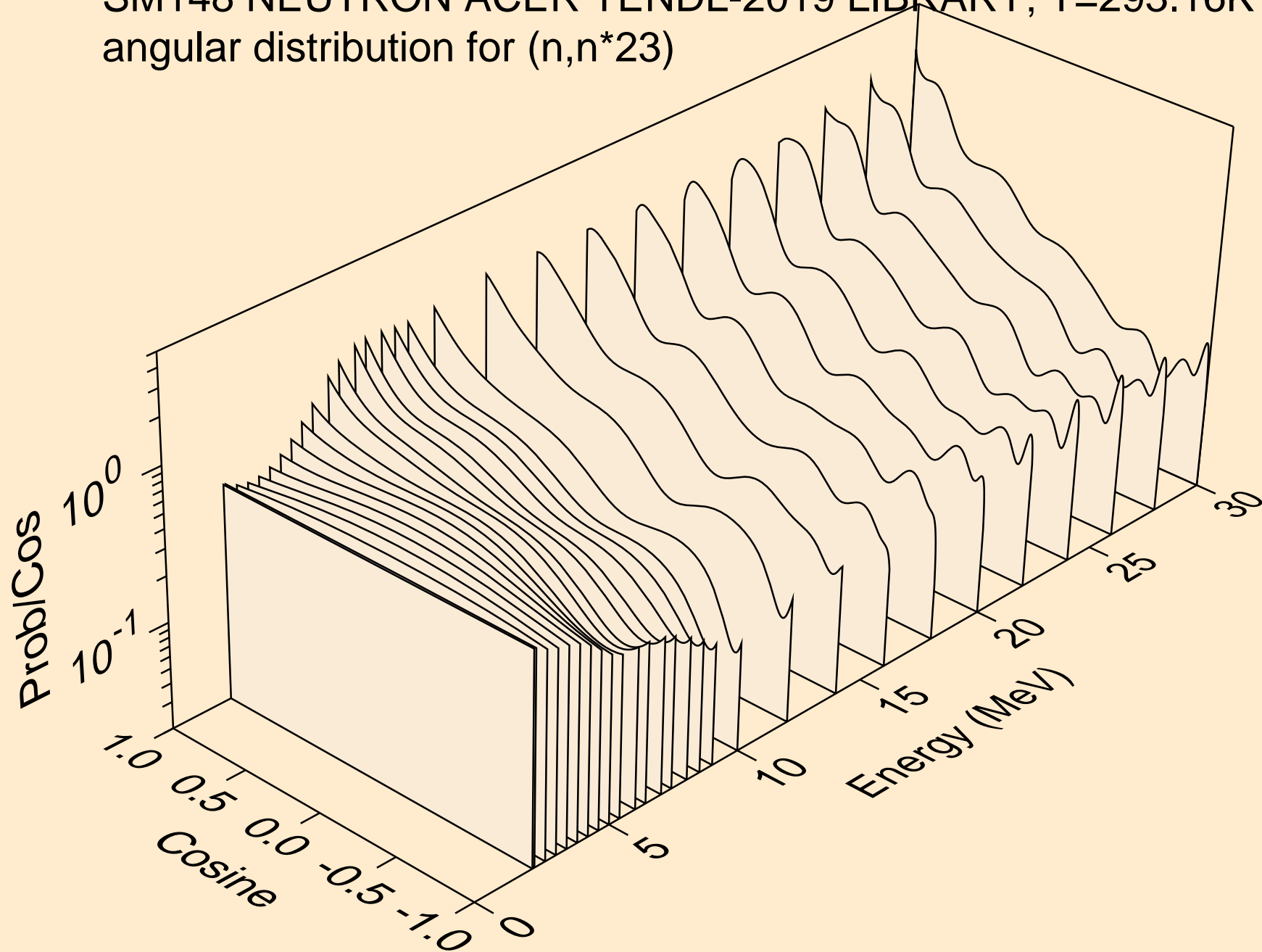
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*21)



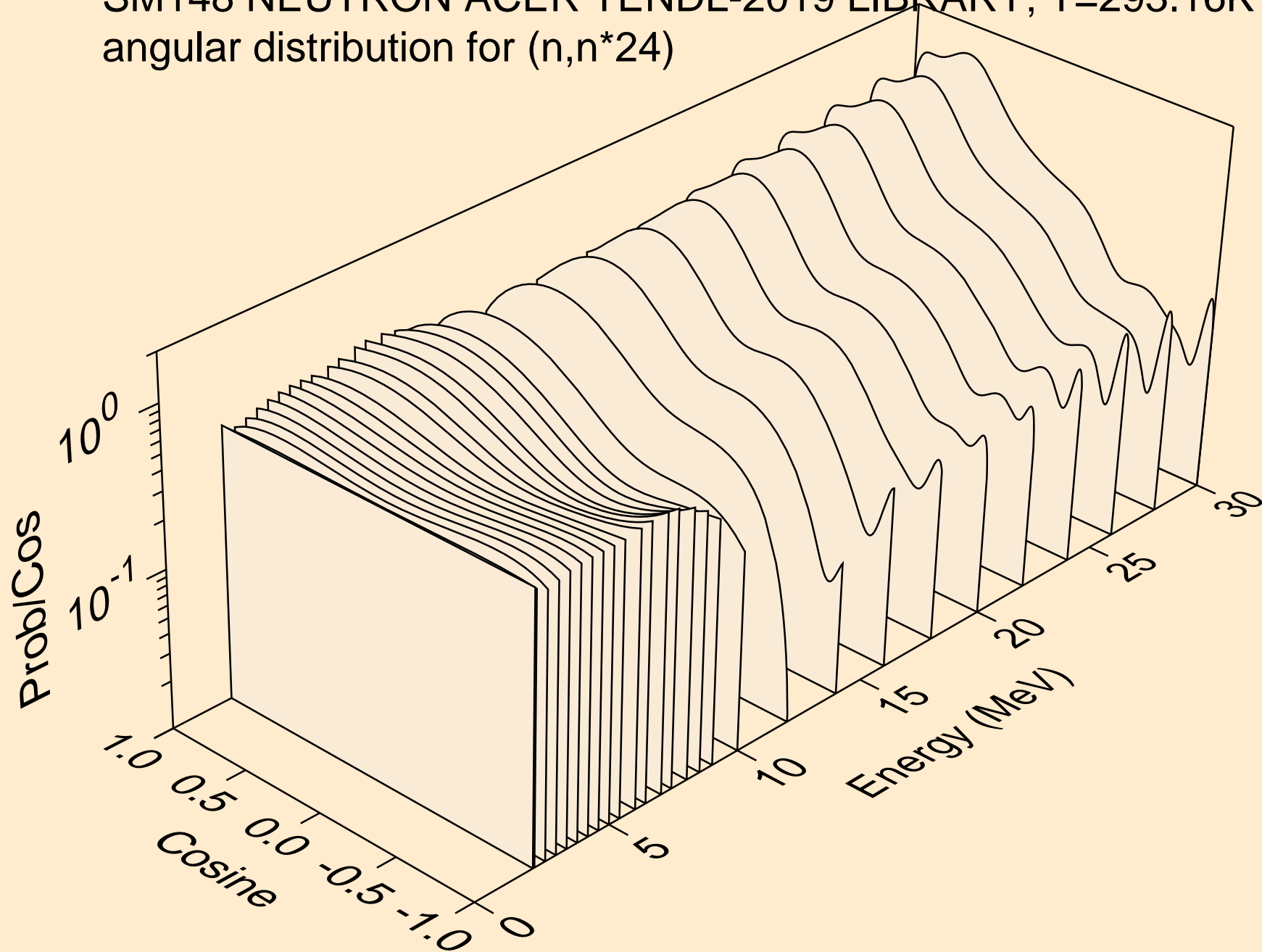
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*22)



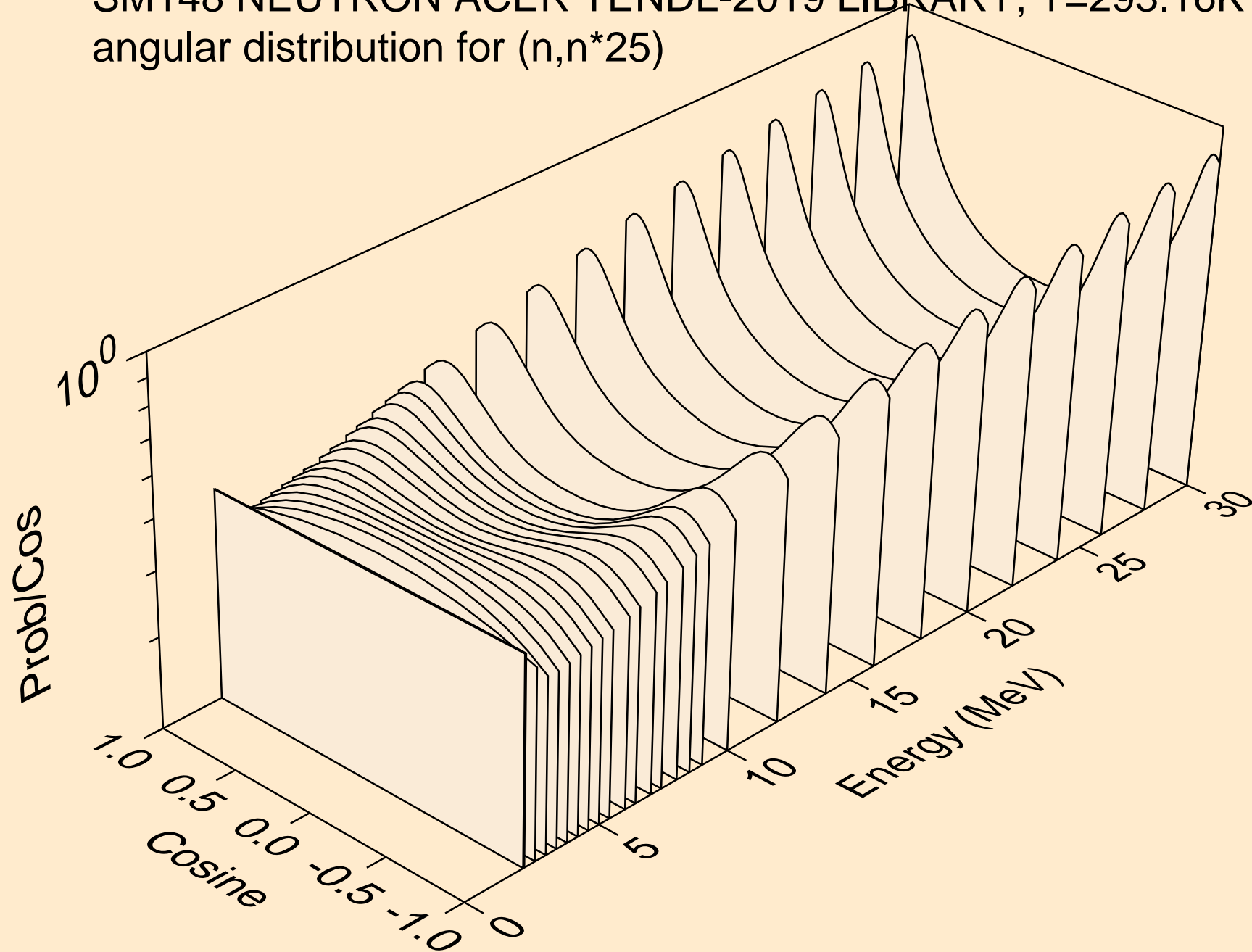
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*23)



SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*24)

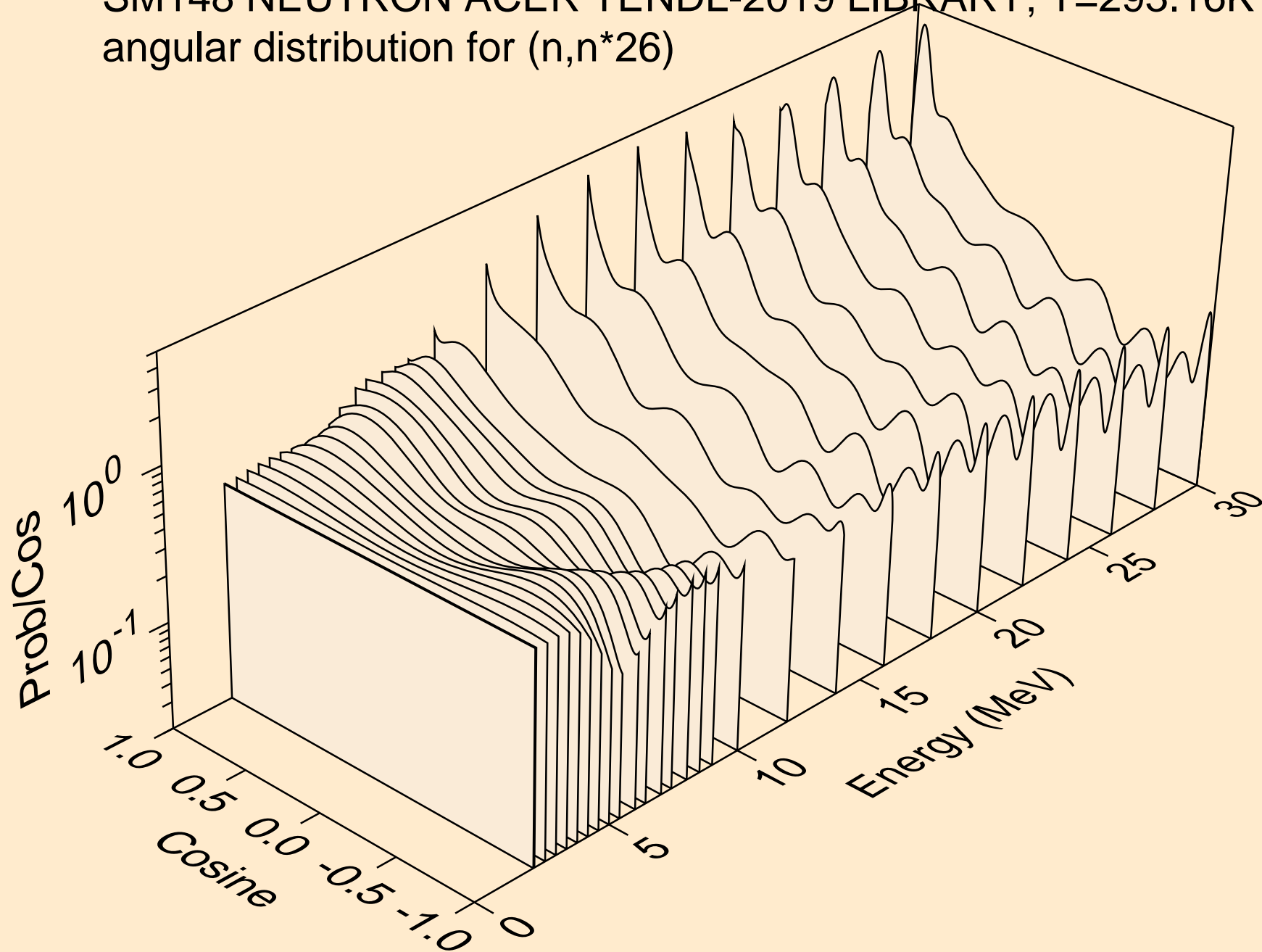


SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*25)

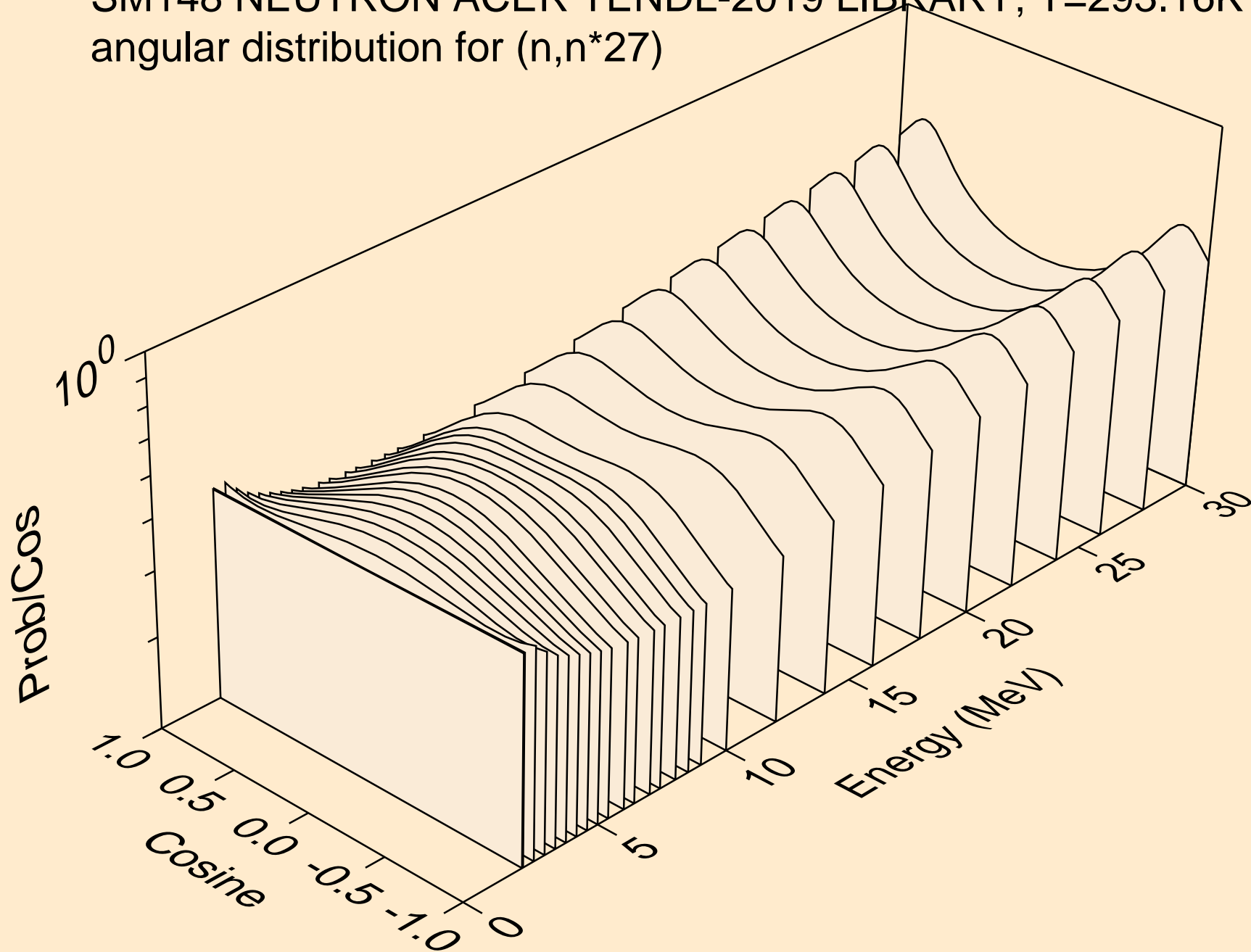




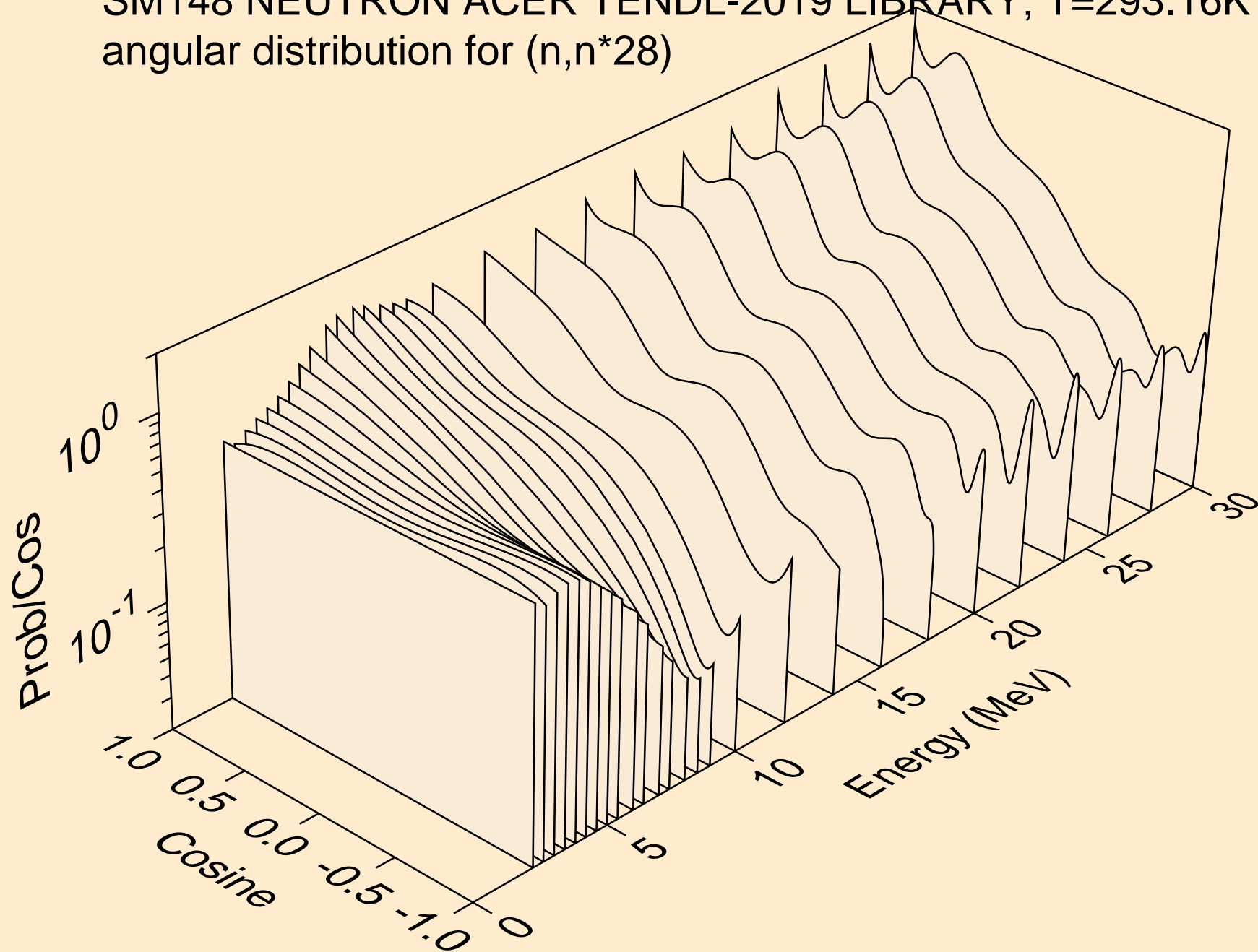
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*26)



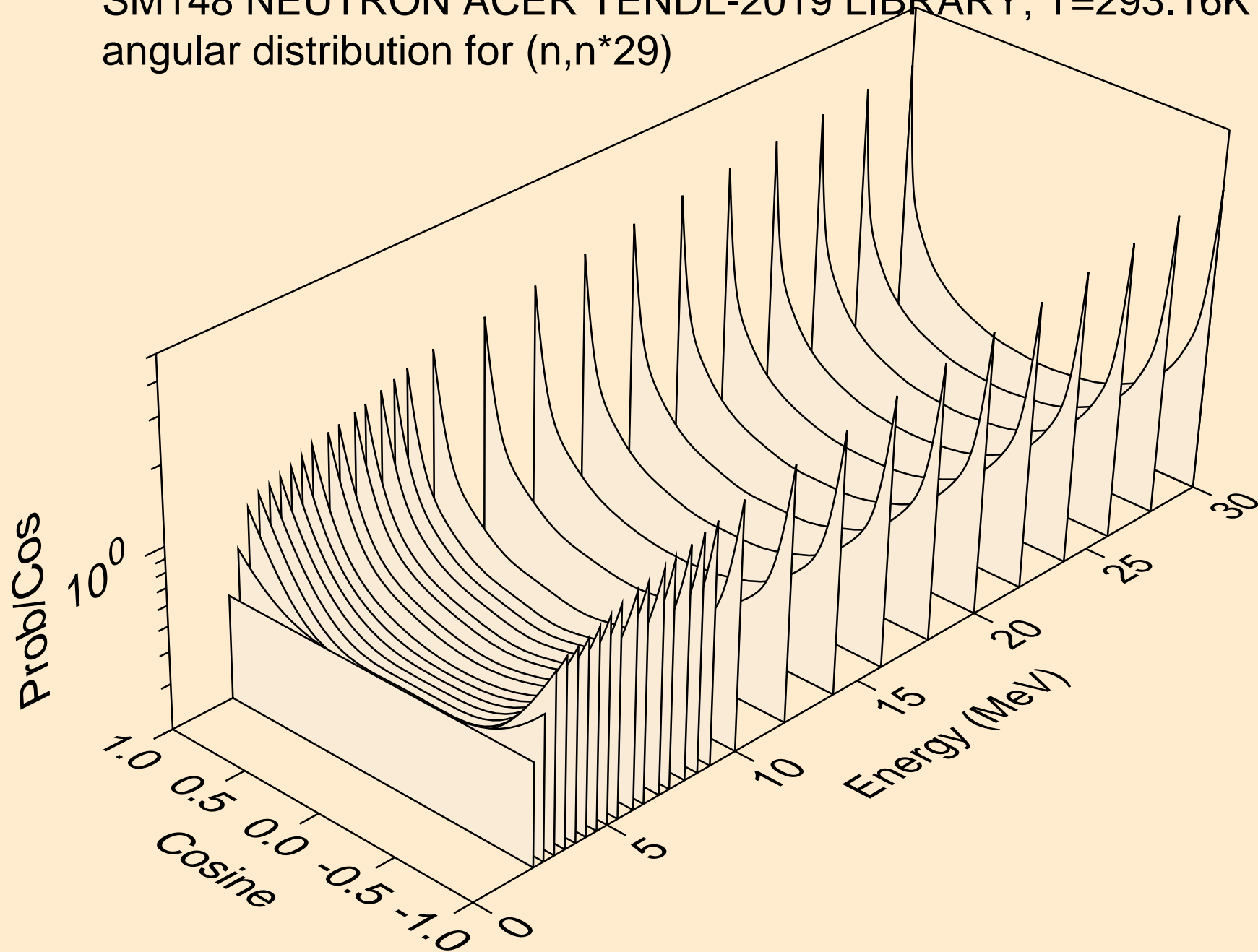
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*27)



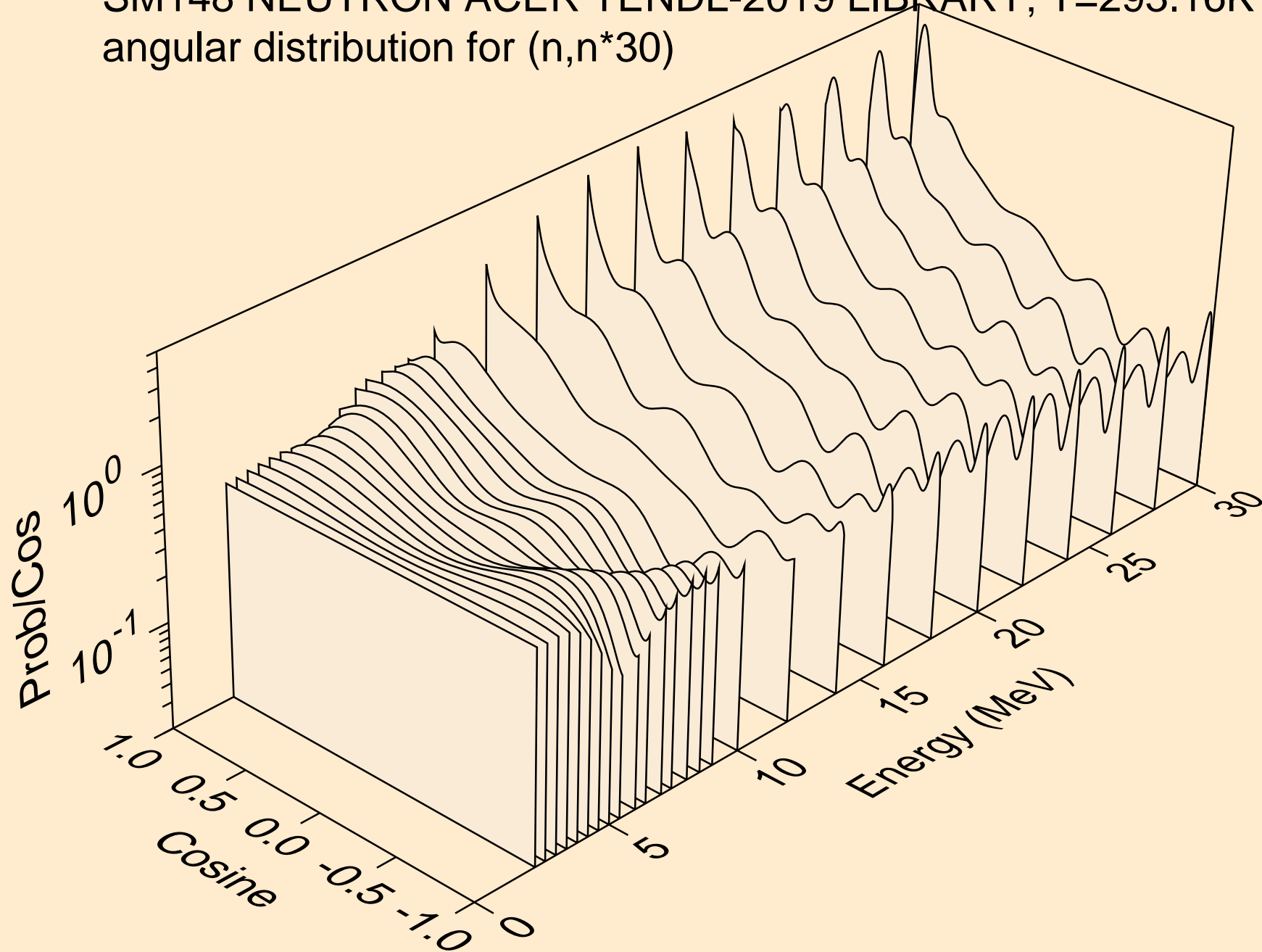
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*28)



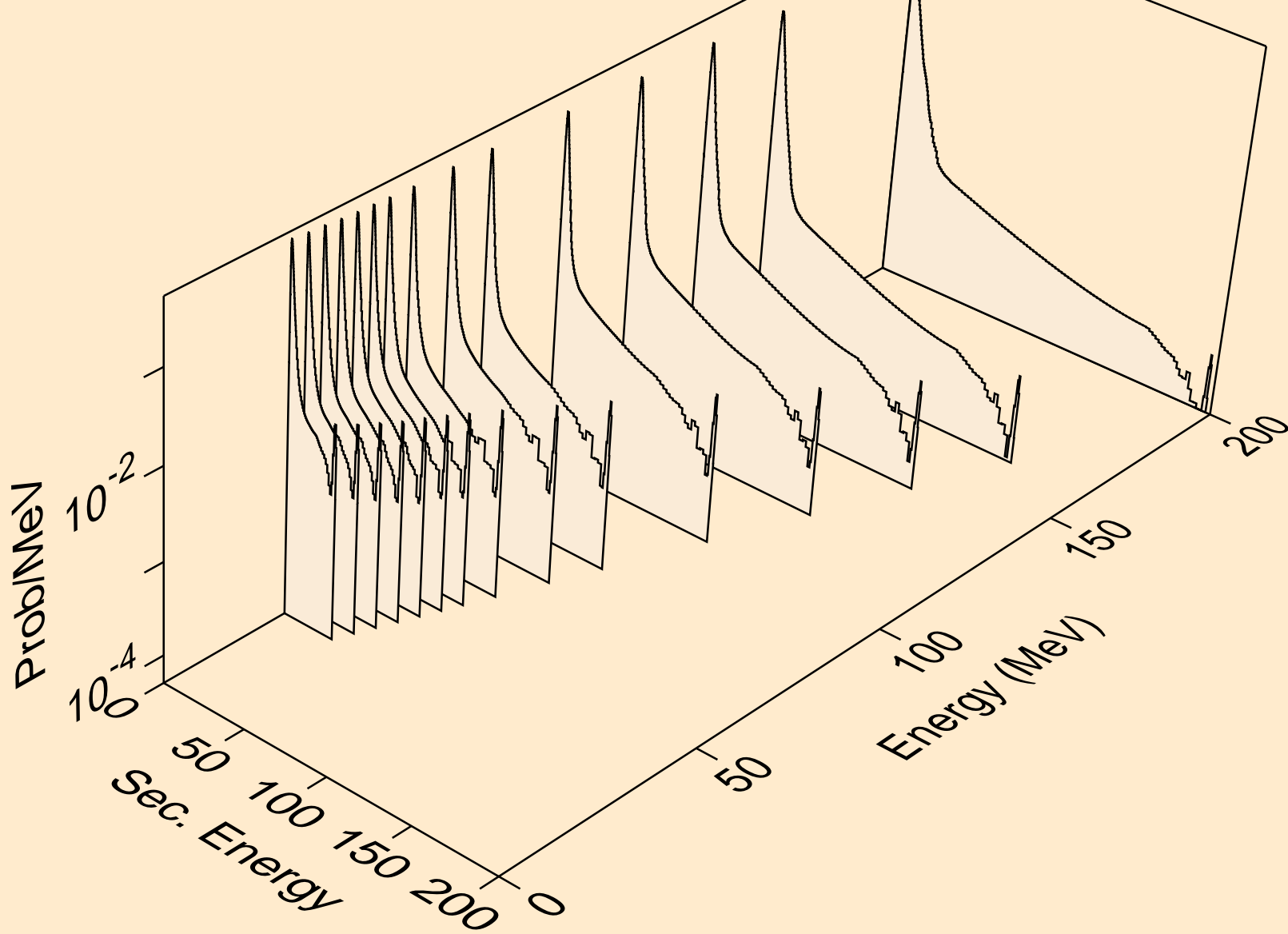
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*29)



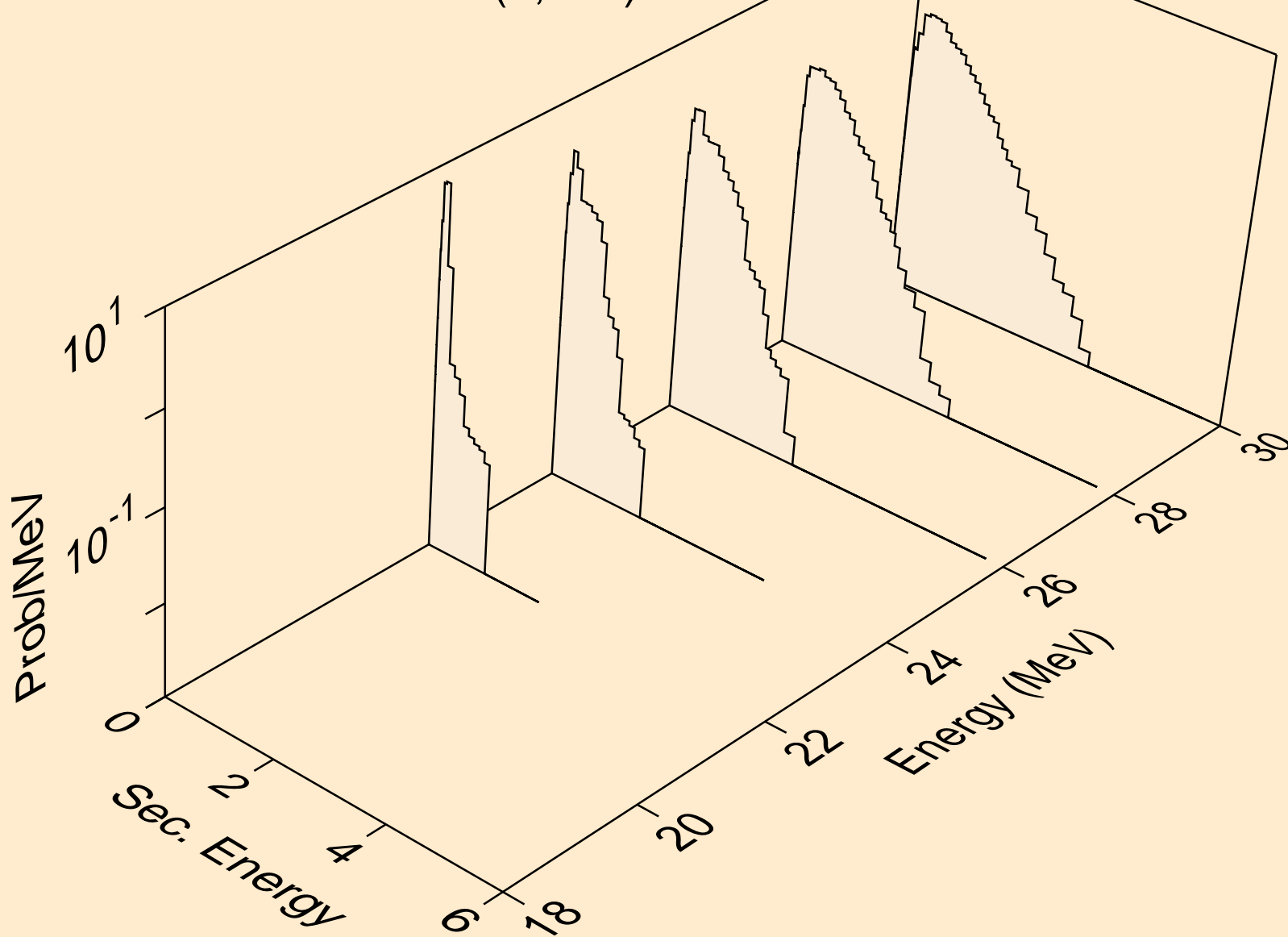
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*30)



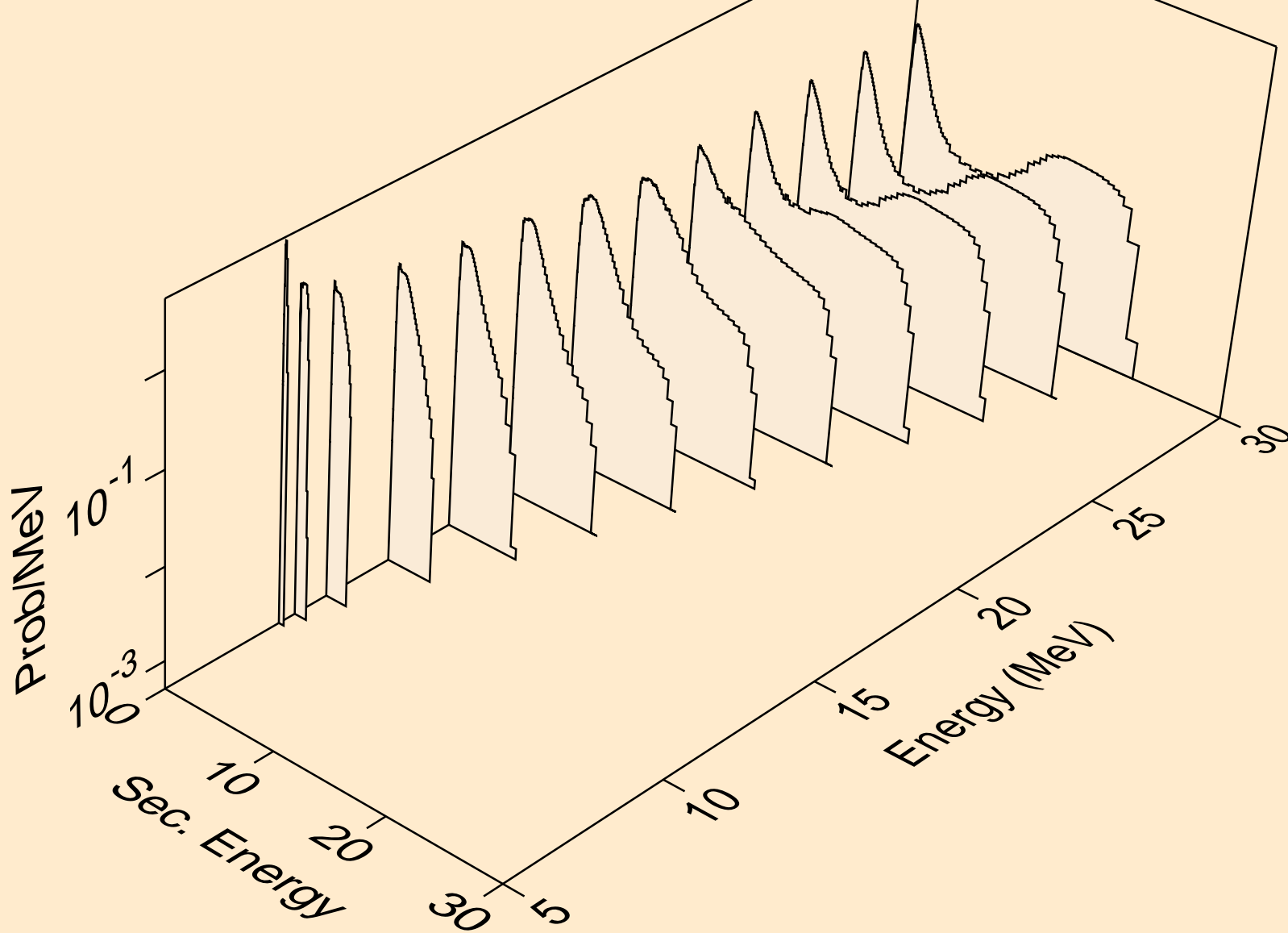
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)

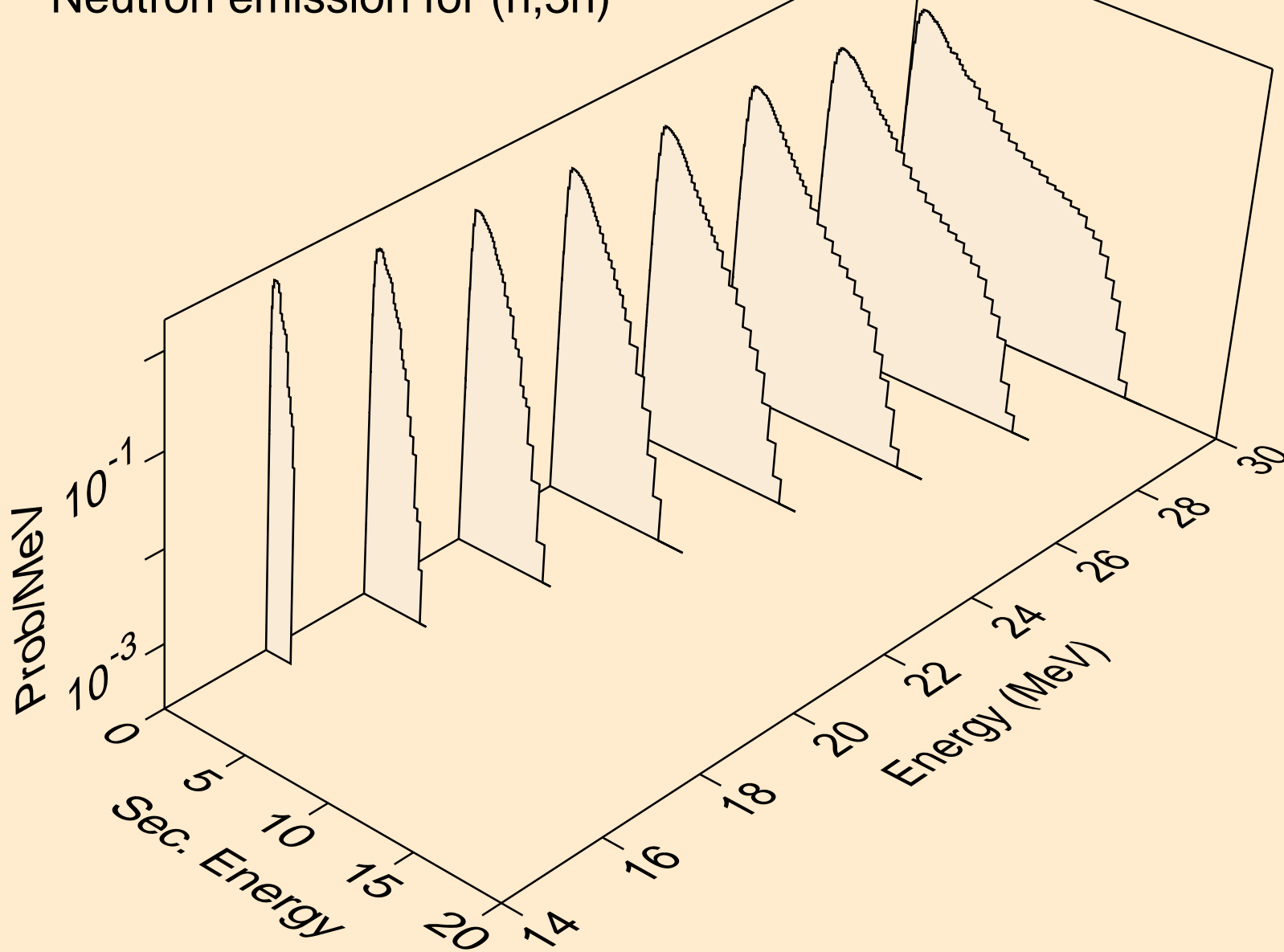


SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)

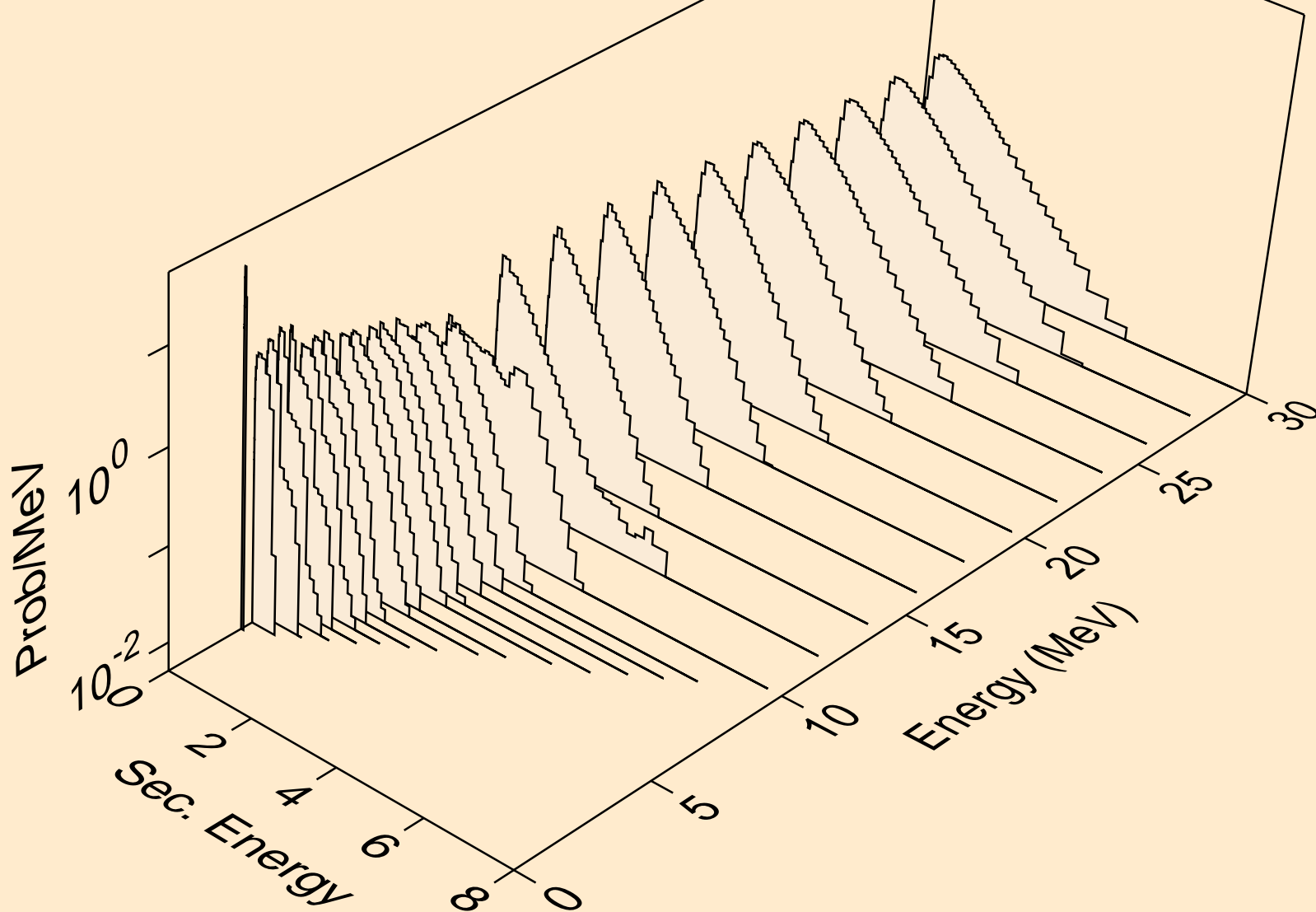




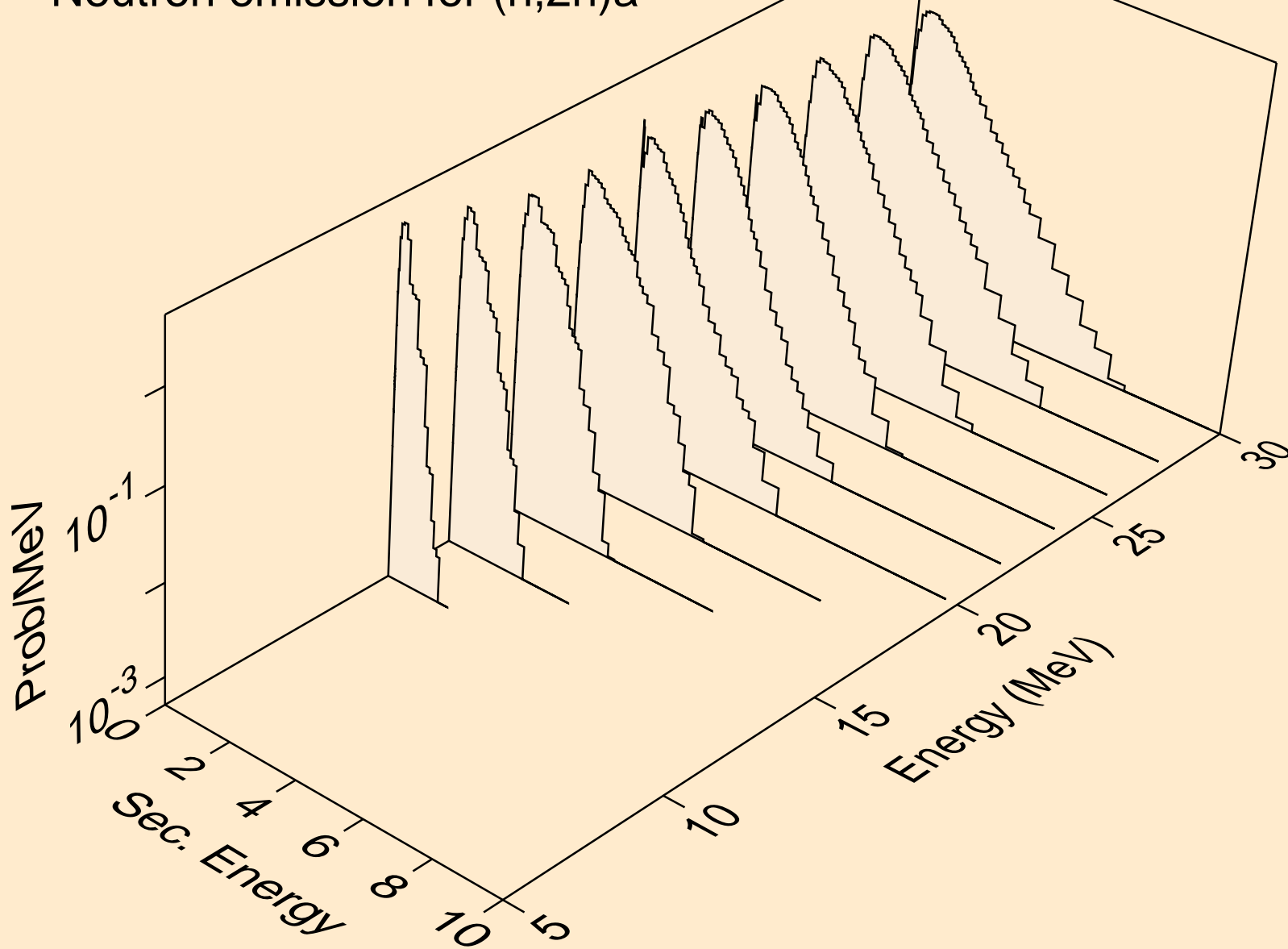
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



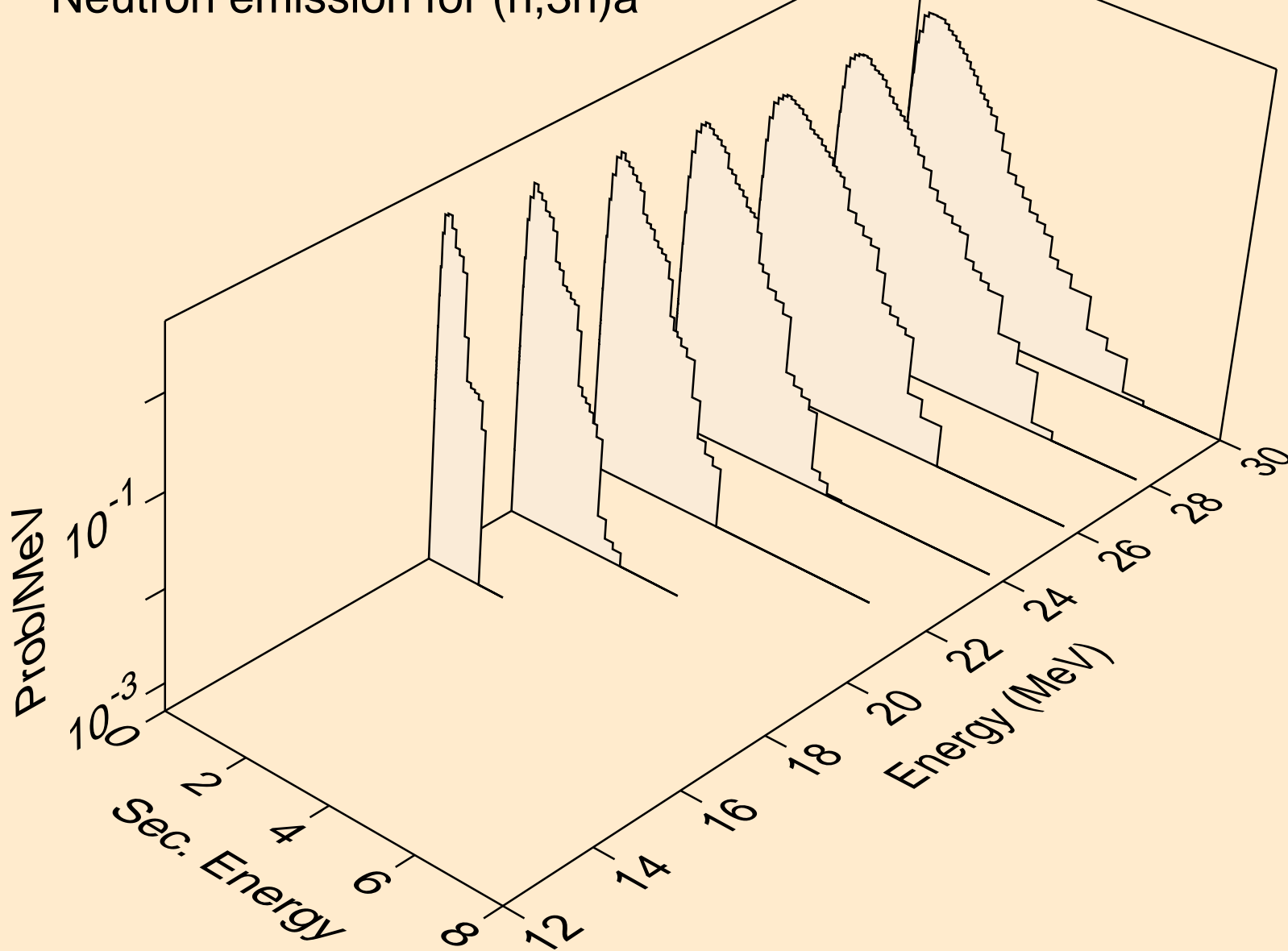
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a



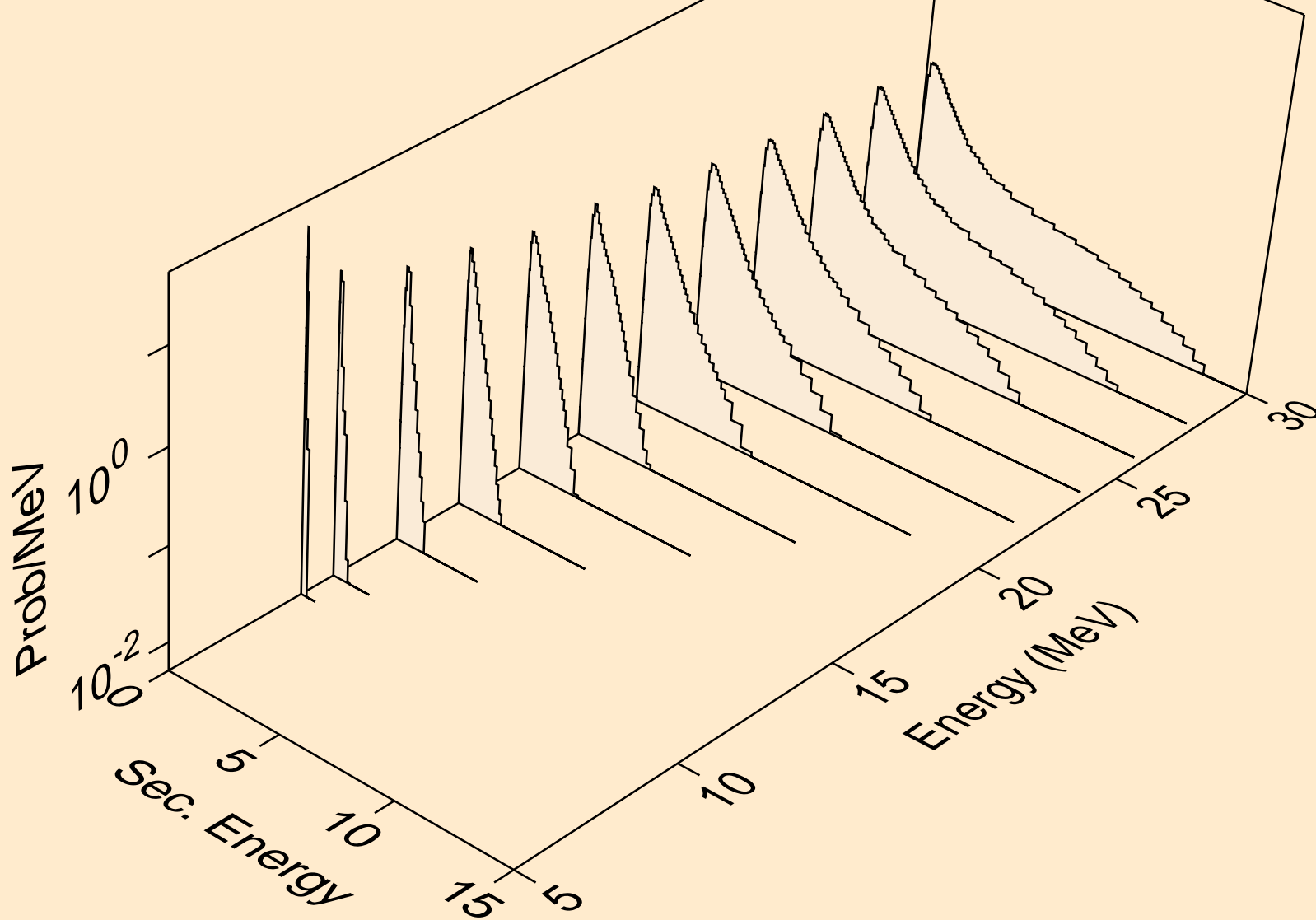
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a



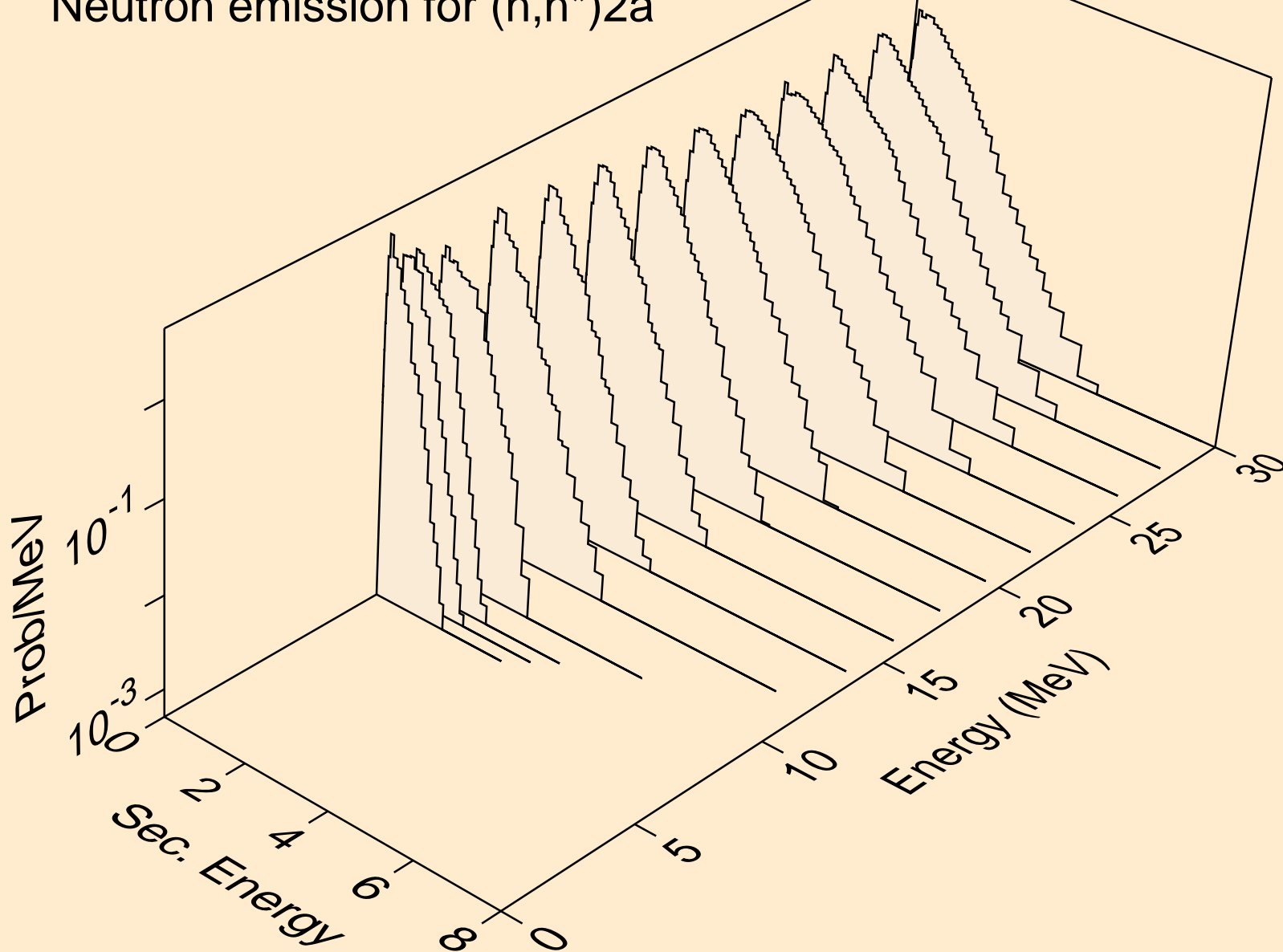
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



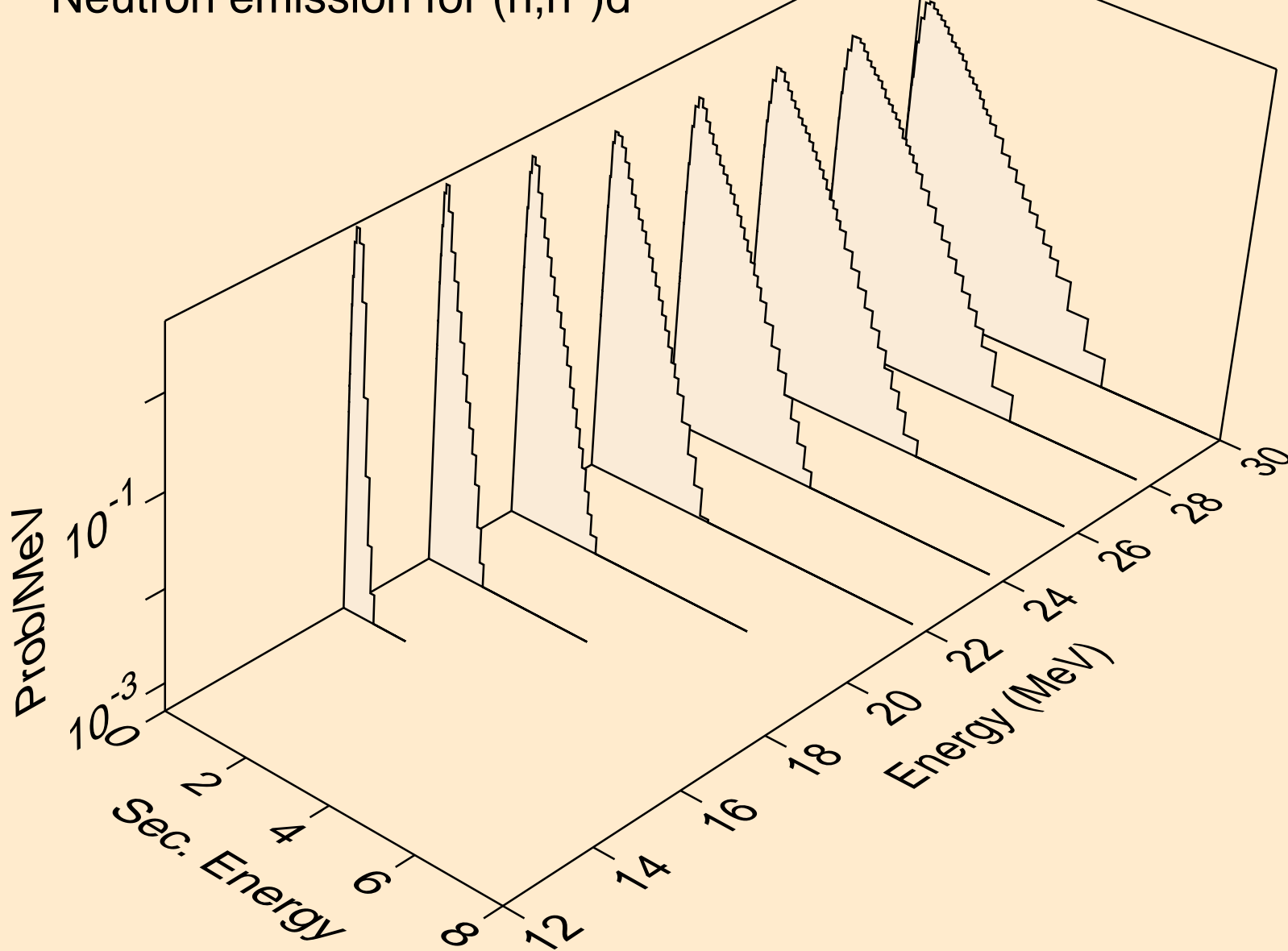
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



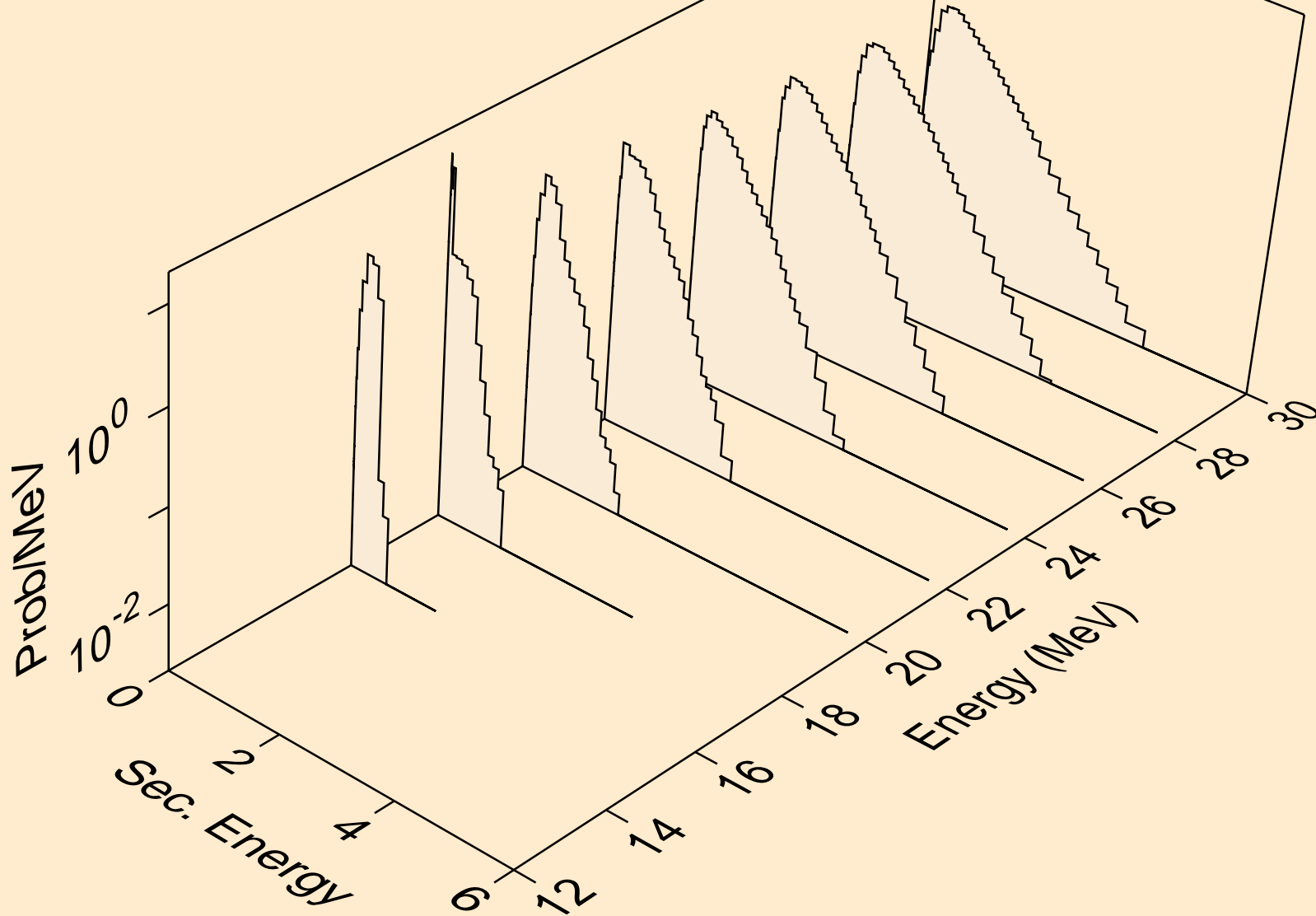
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a



SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d

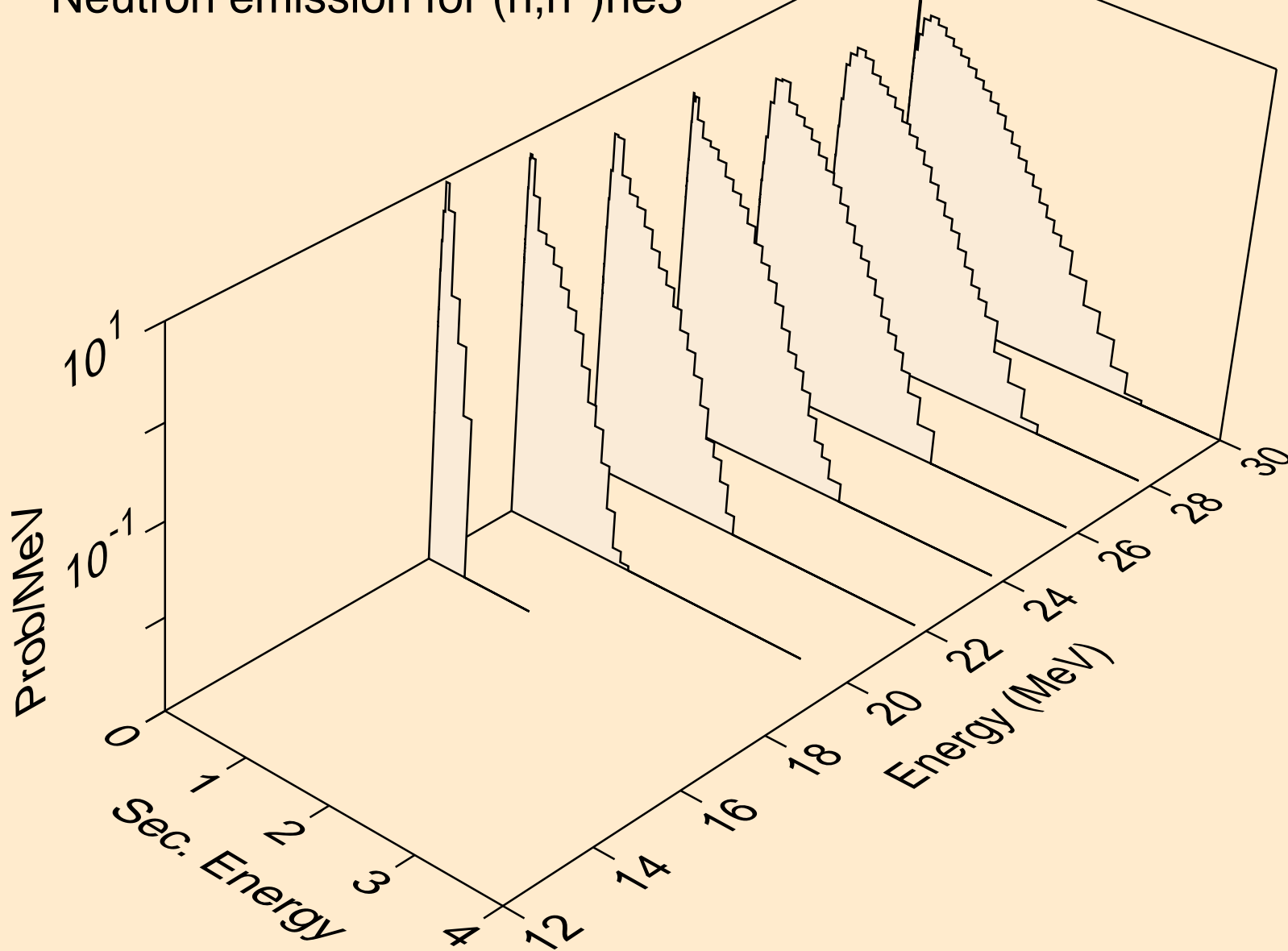


SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t

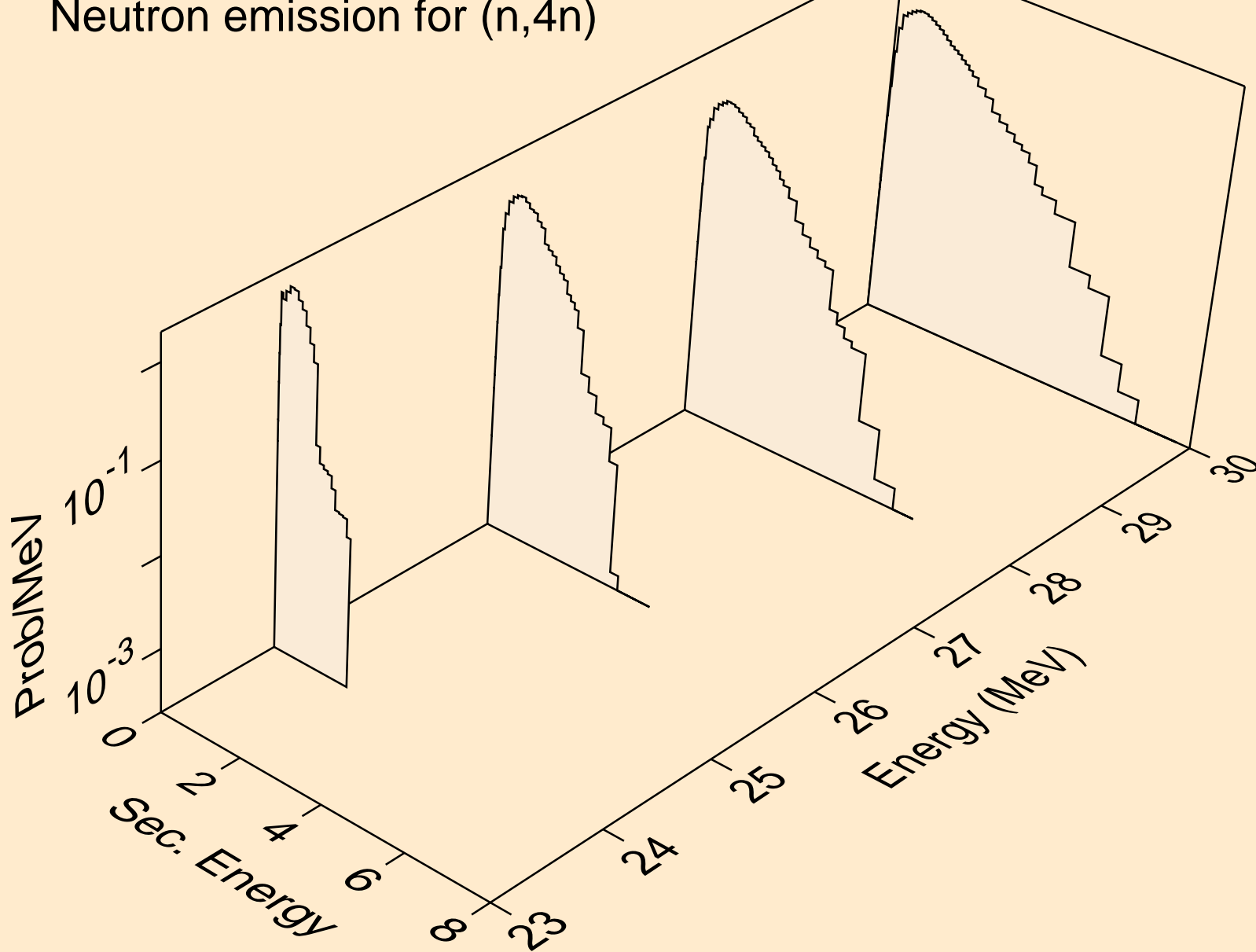




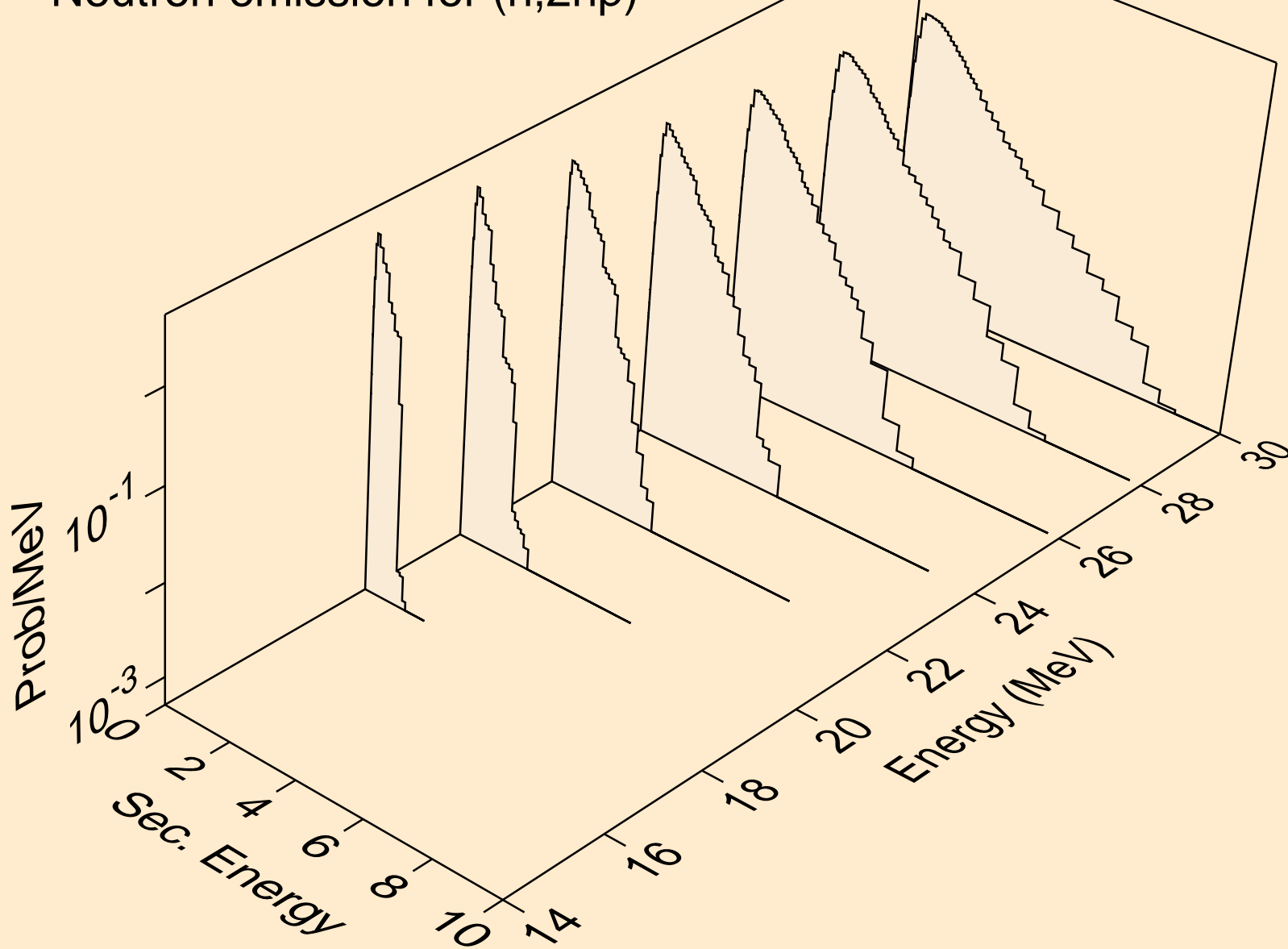
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



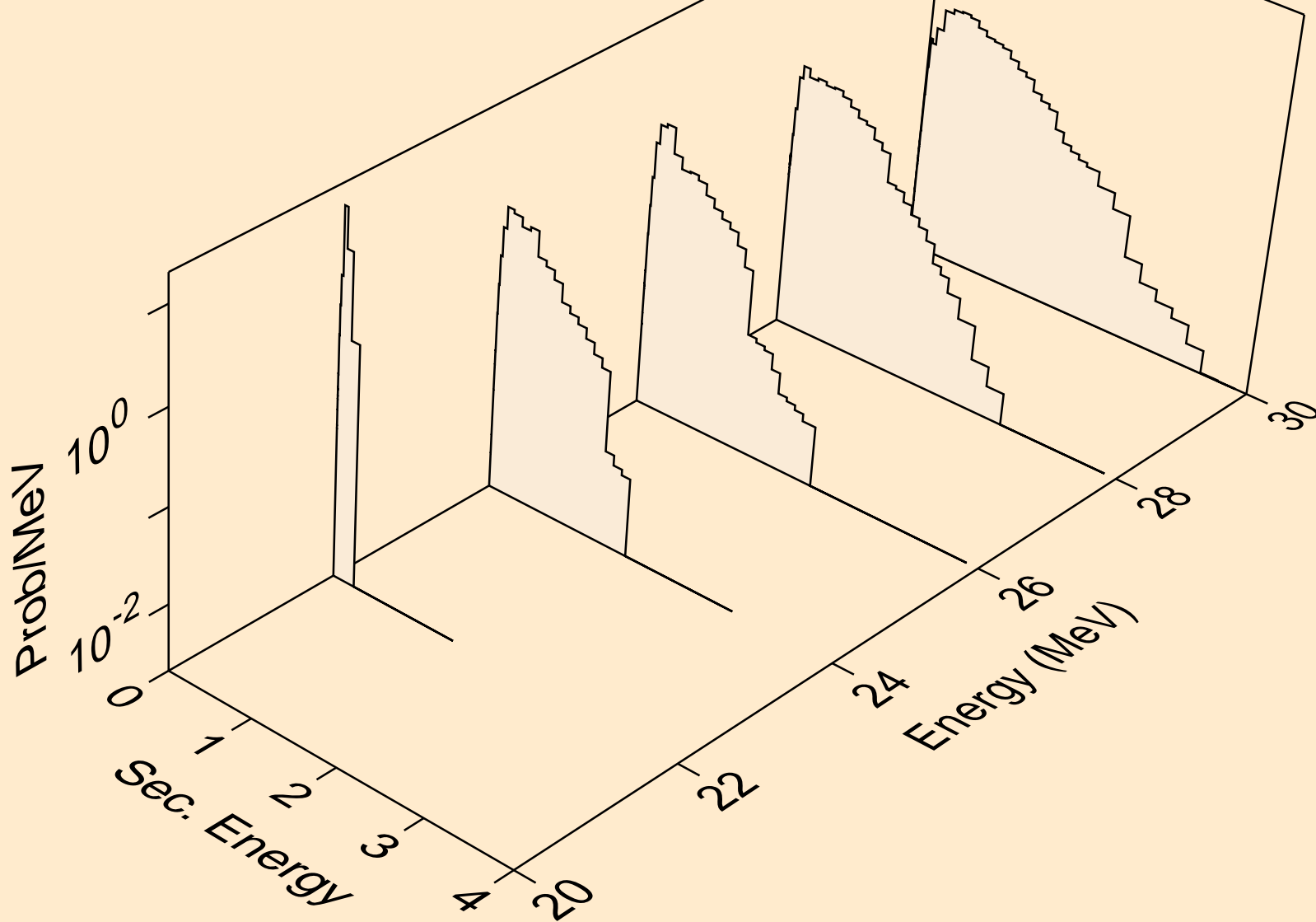
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)



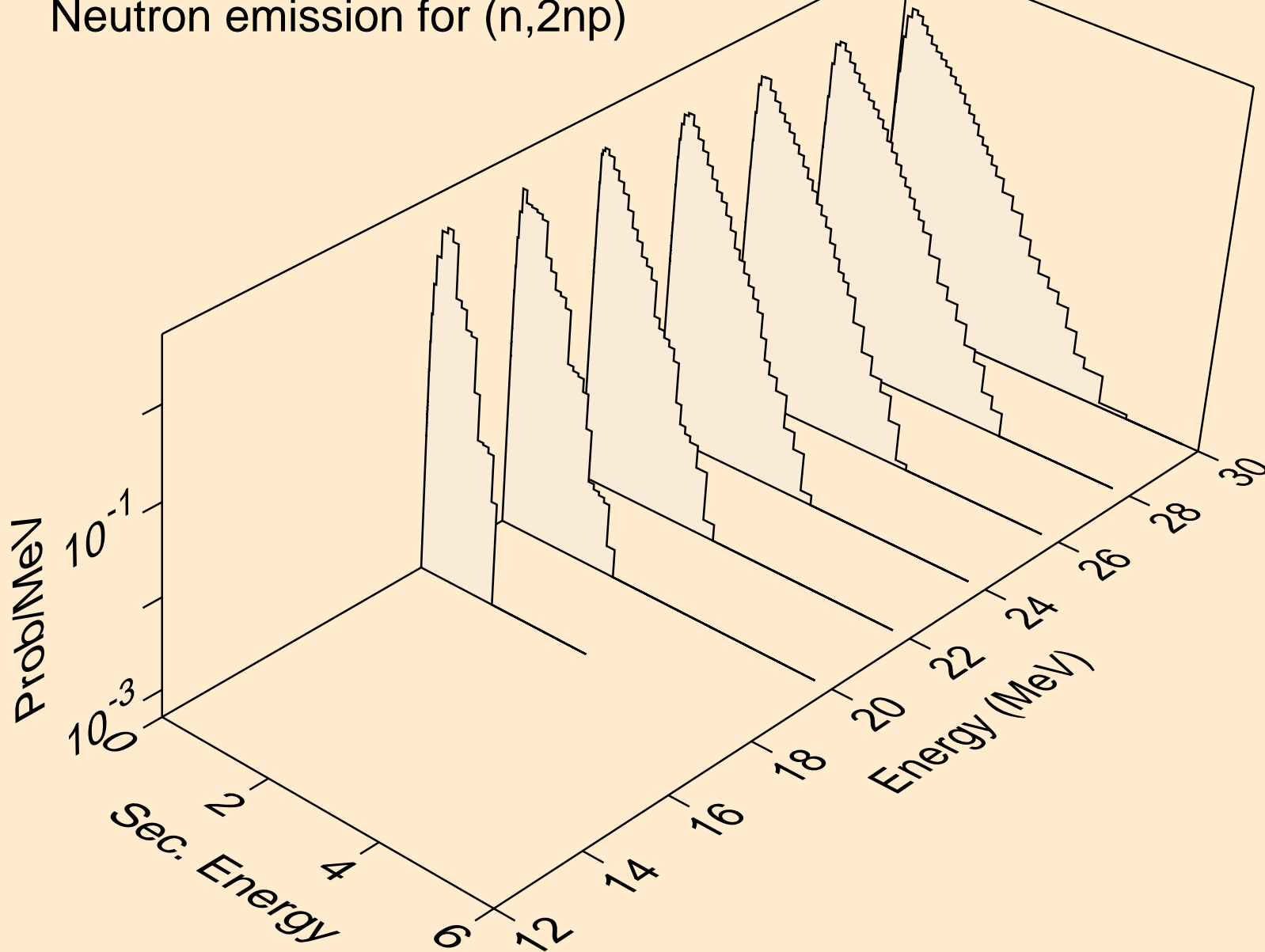
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



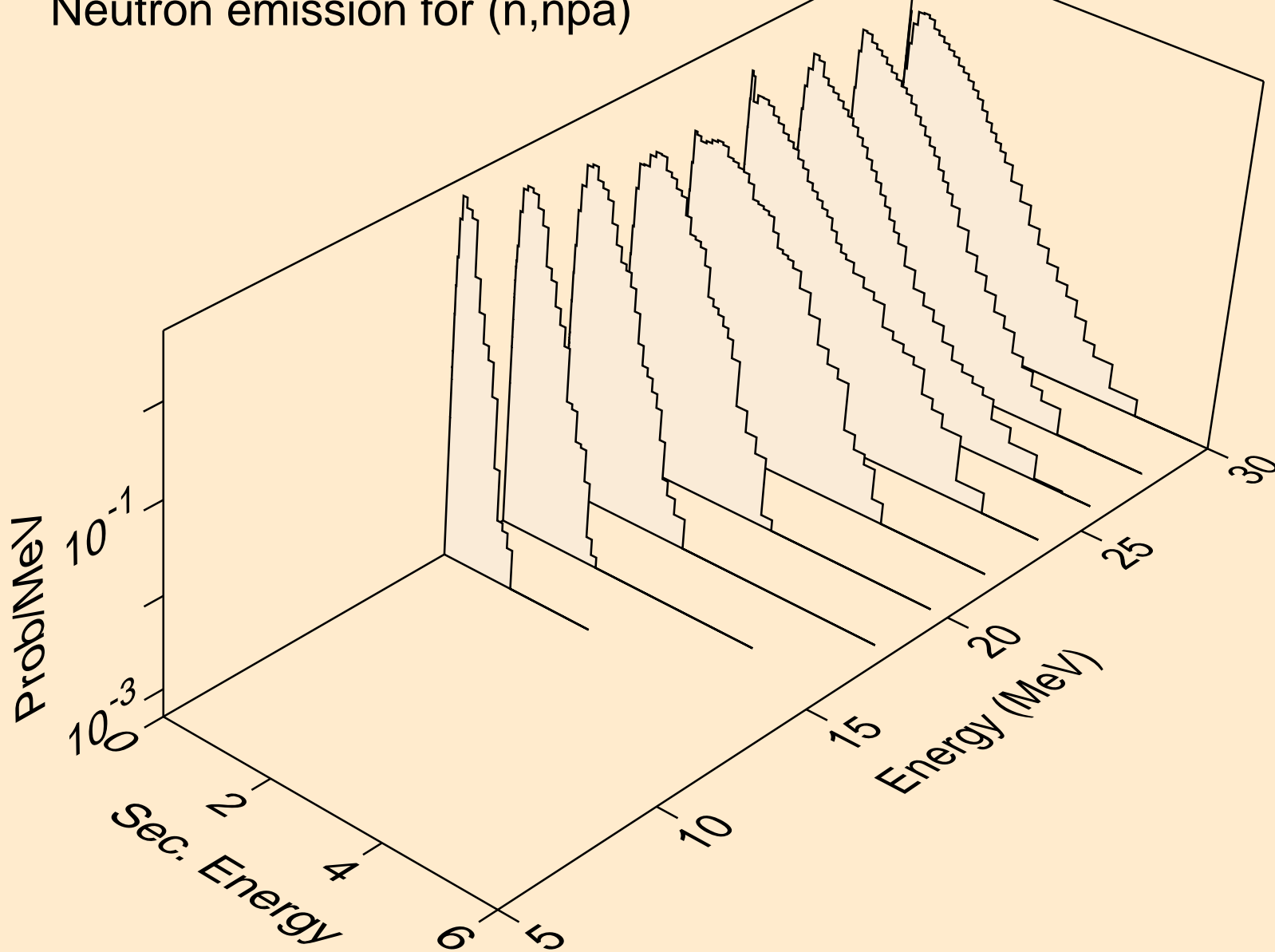
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)



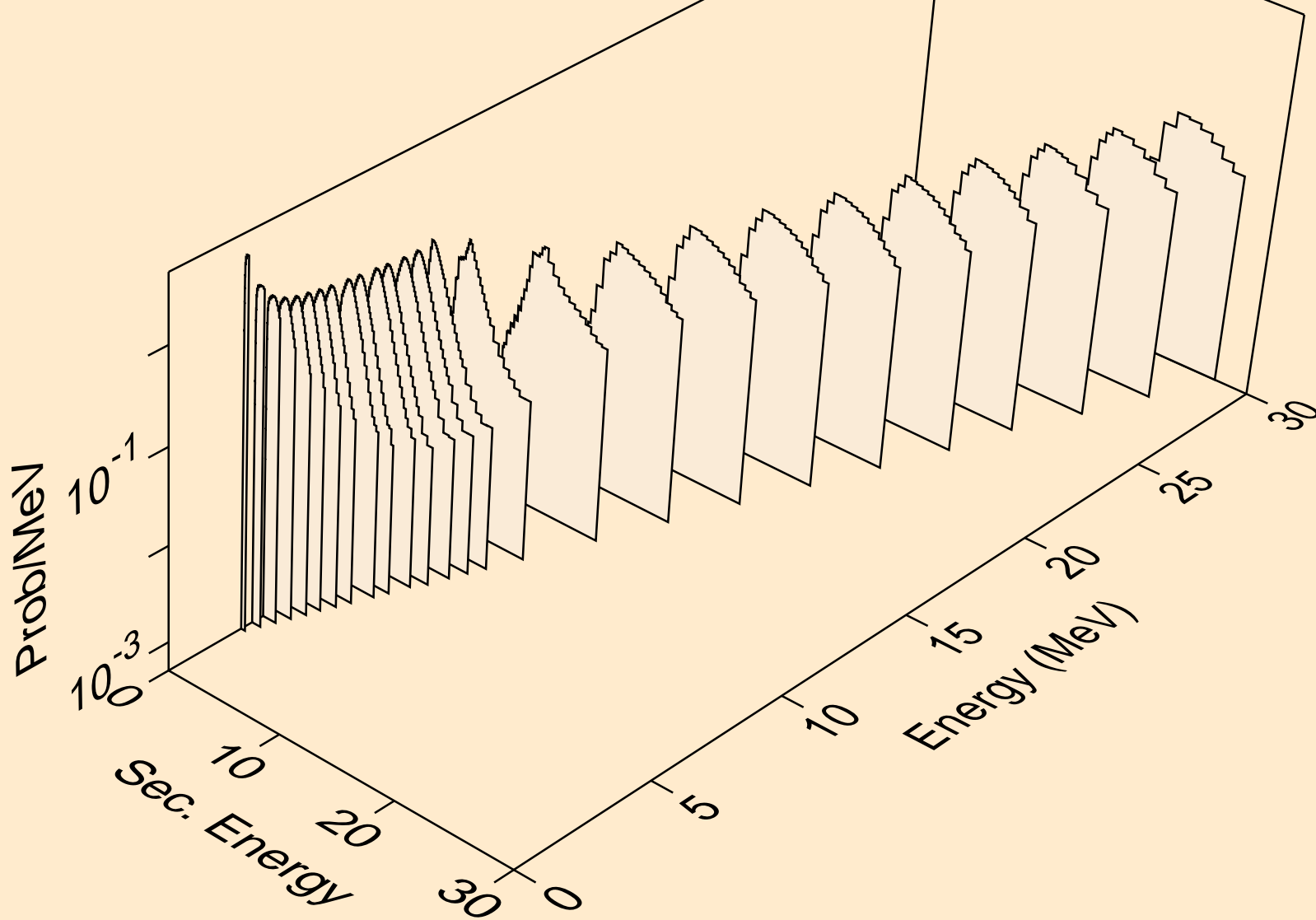
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



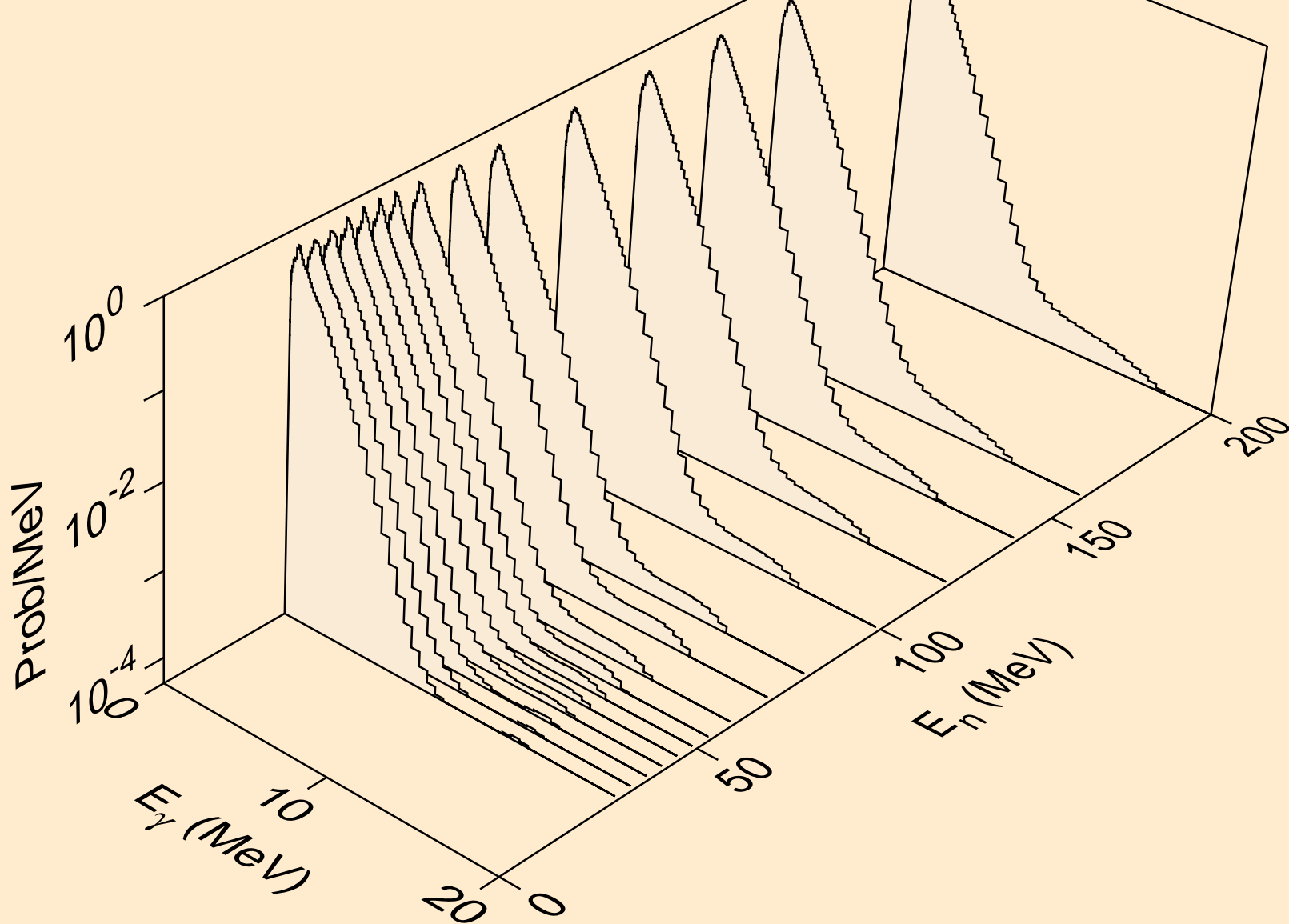
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)



SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)

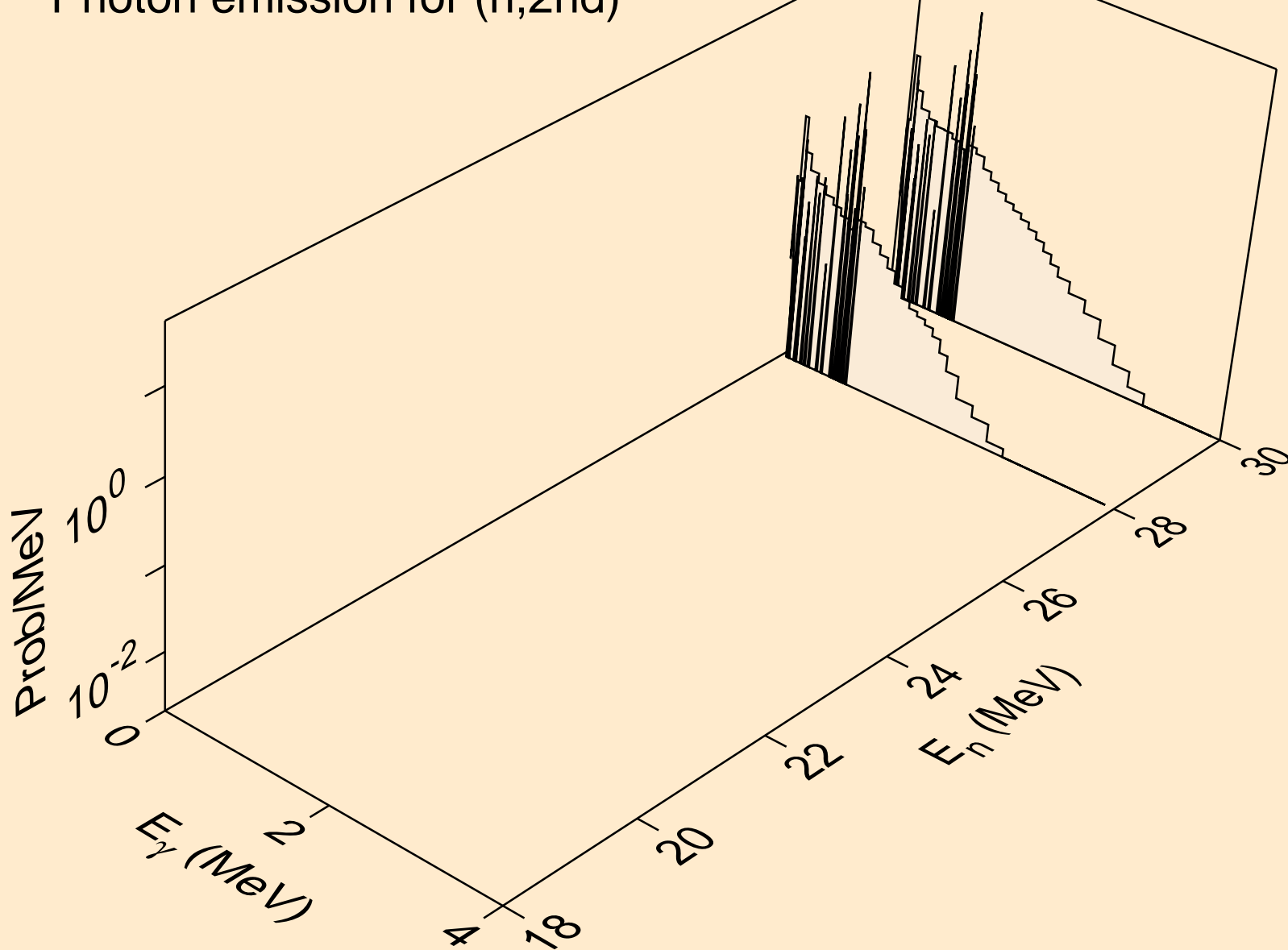


SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)

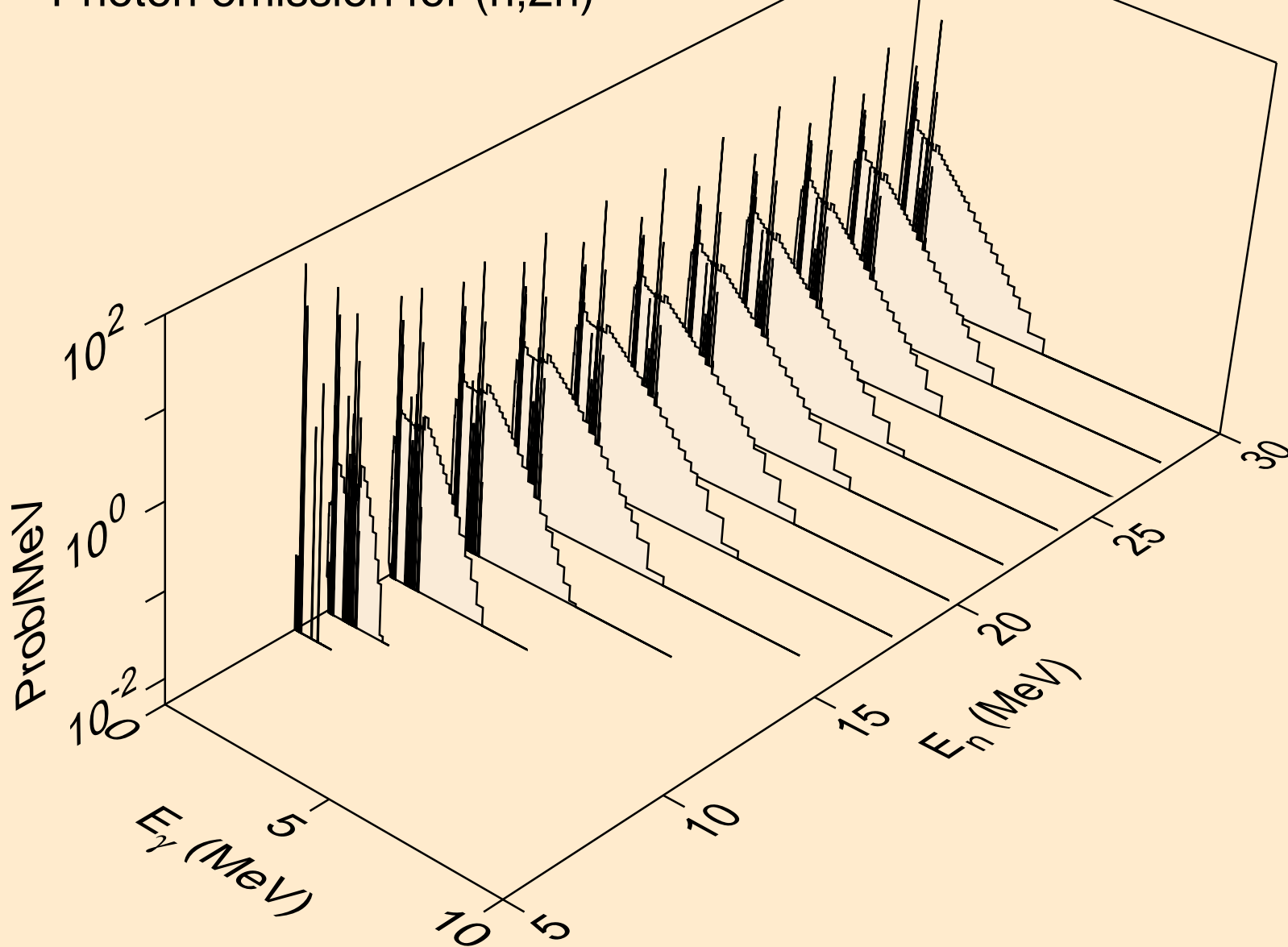




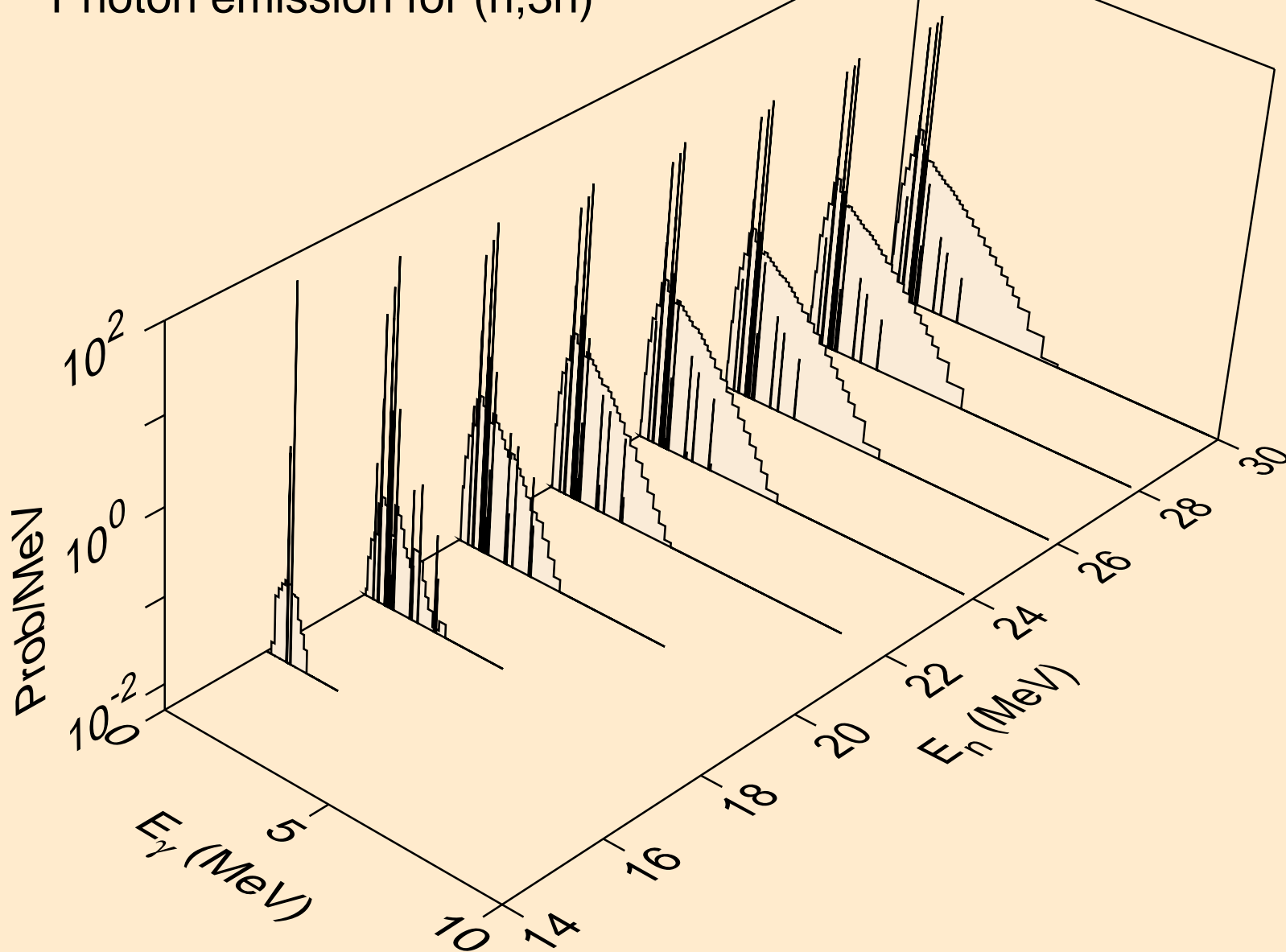
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)



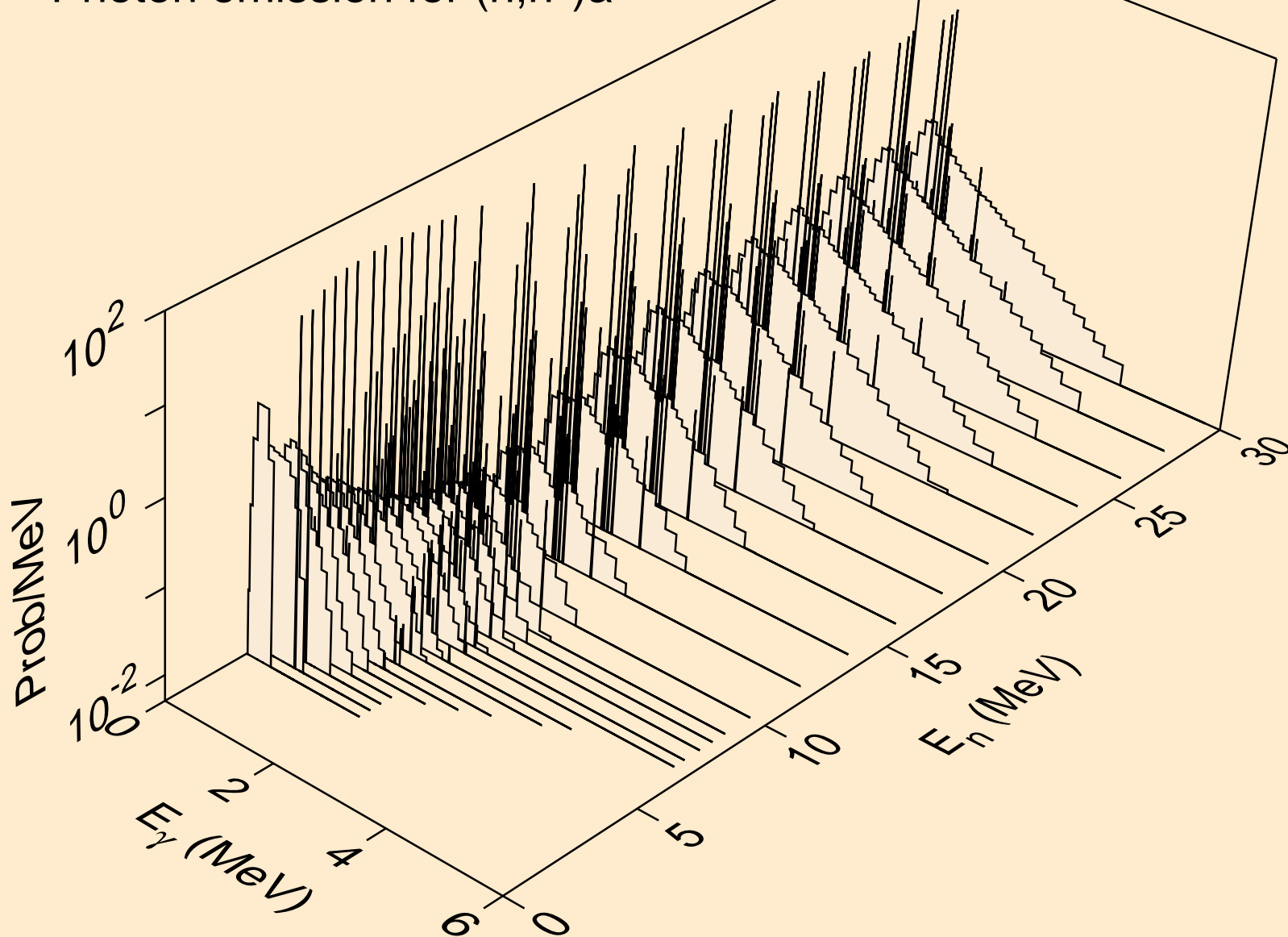
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)



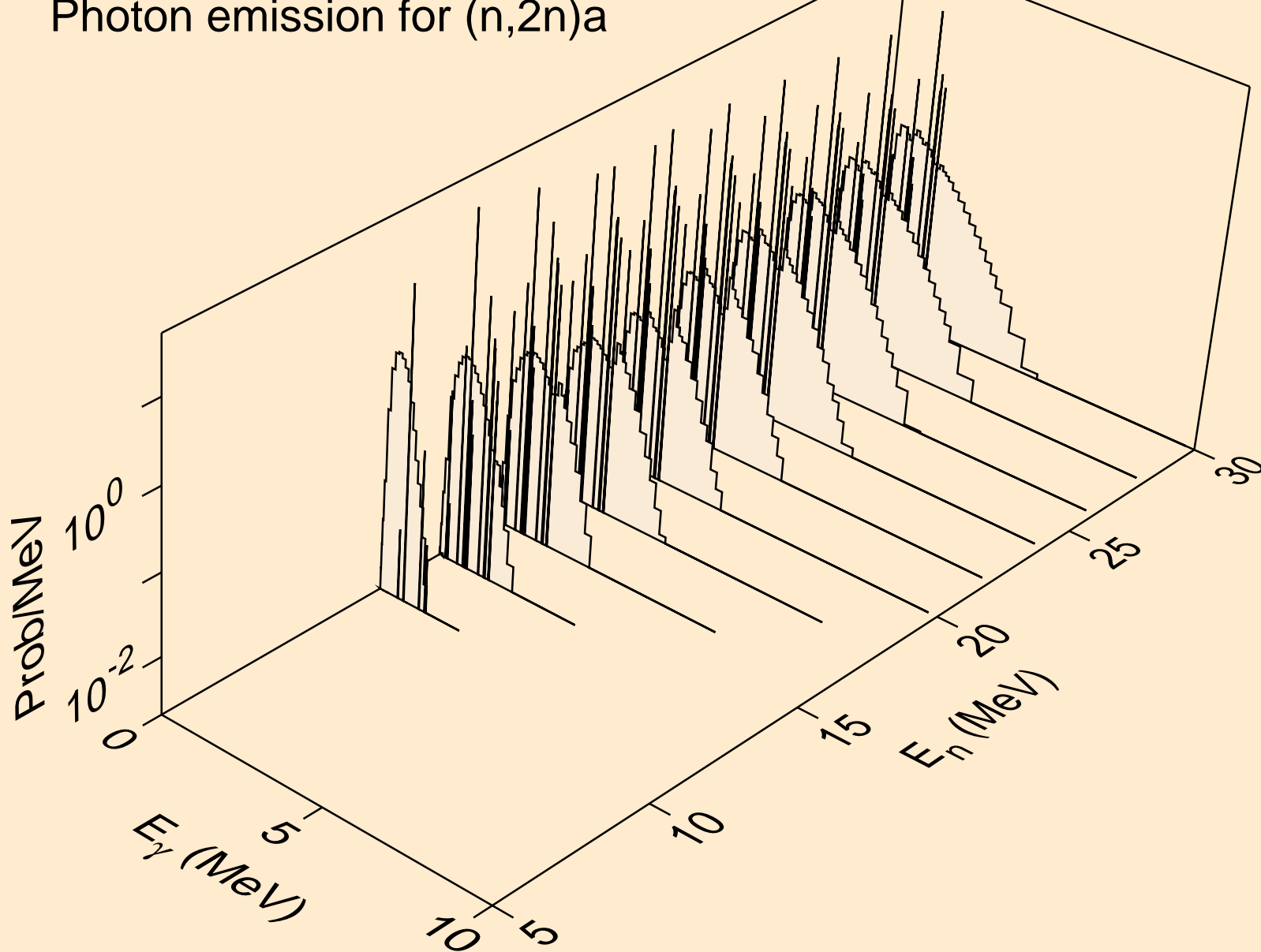
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)



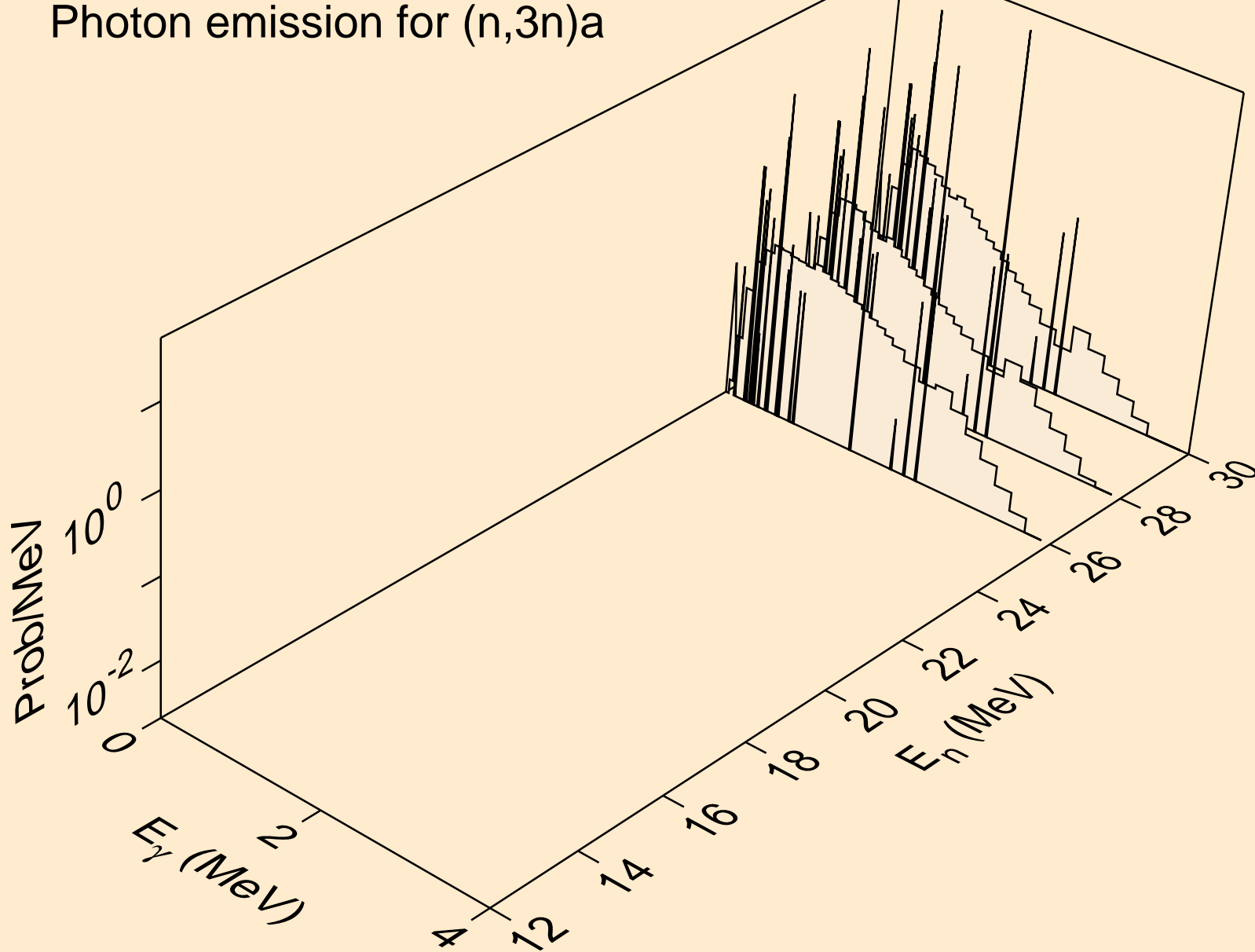
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a



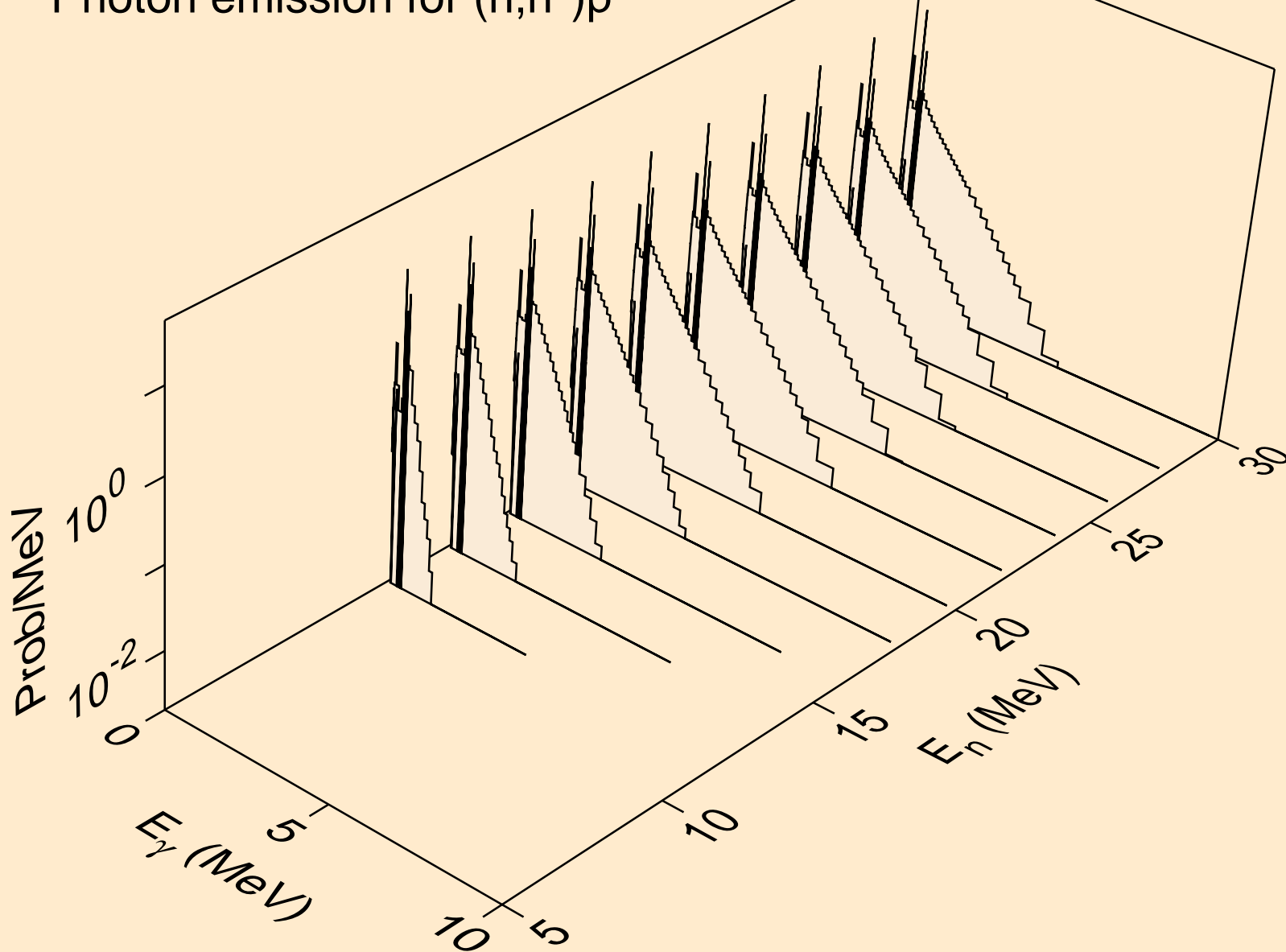
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a



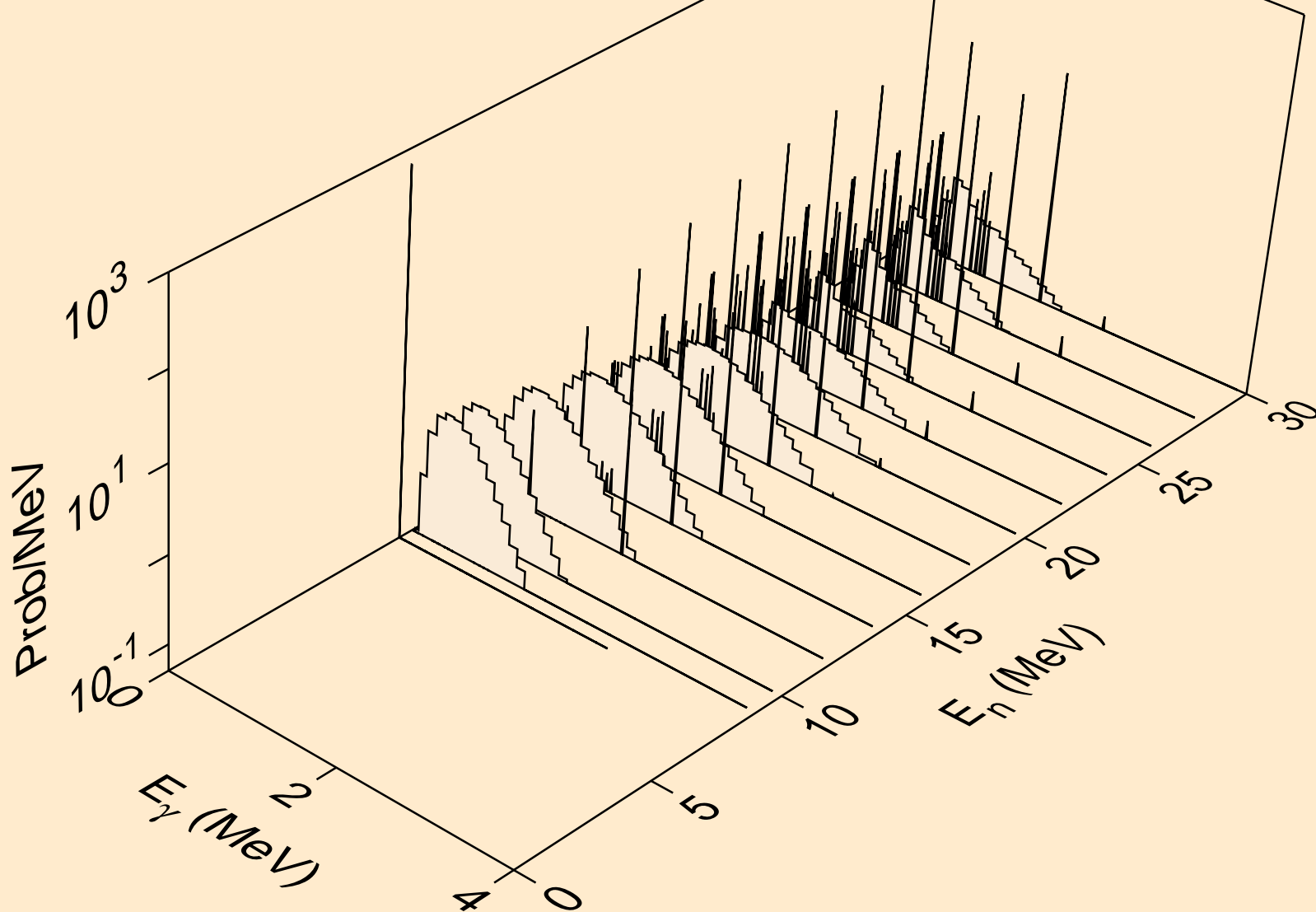
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a



SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p

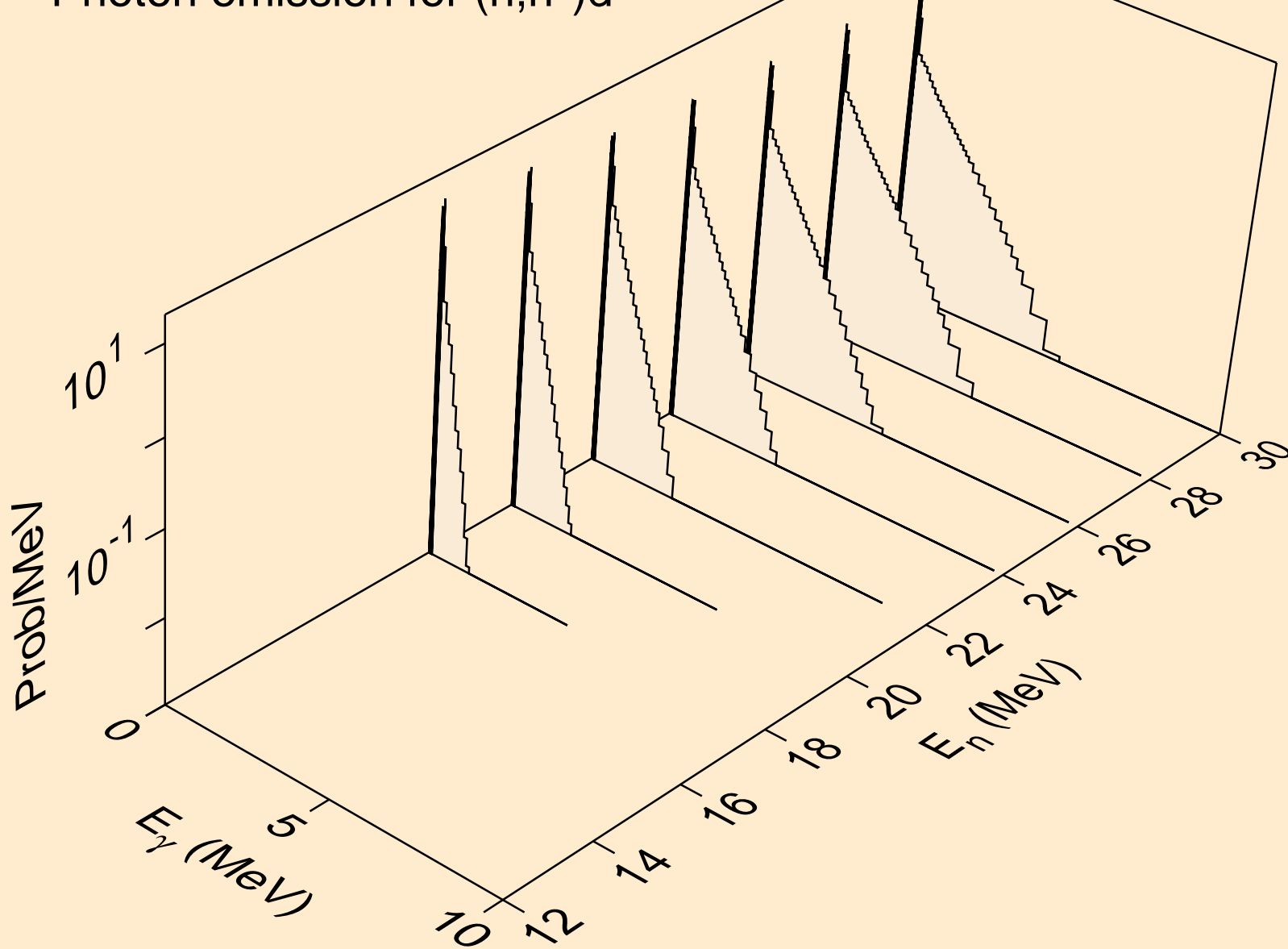


SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)2a

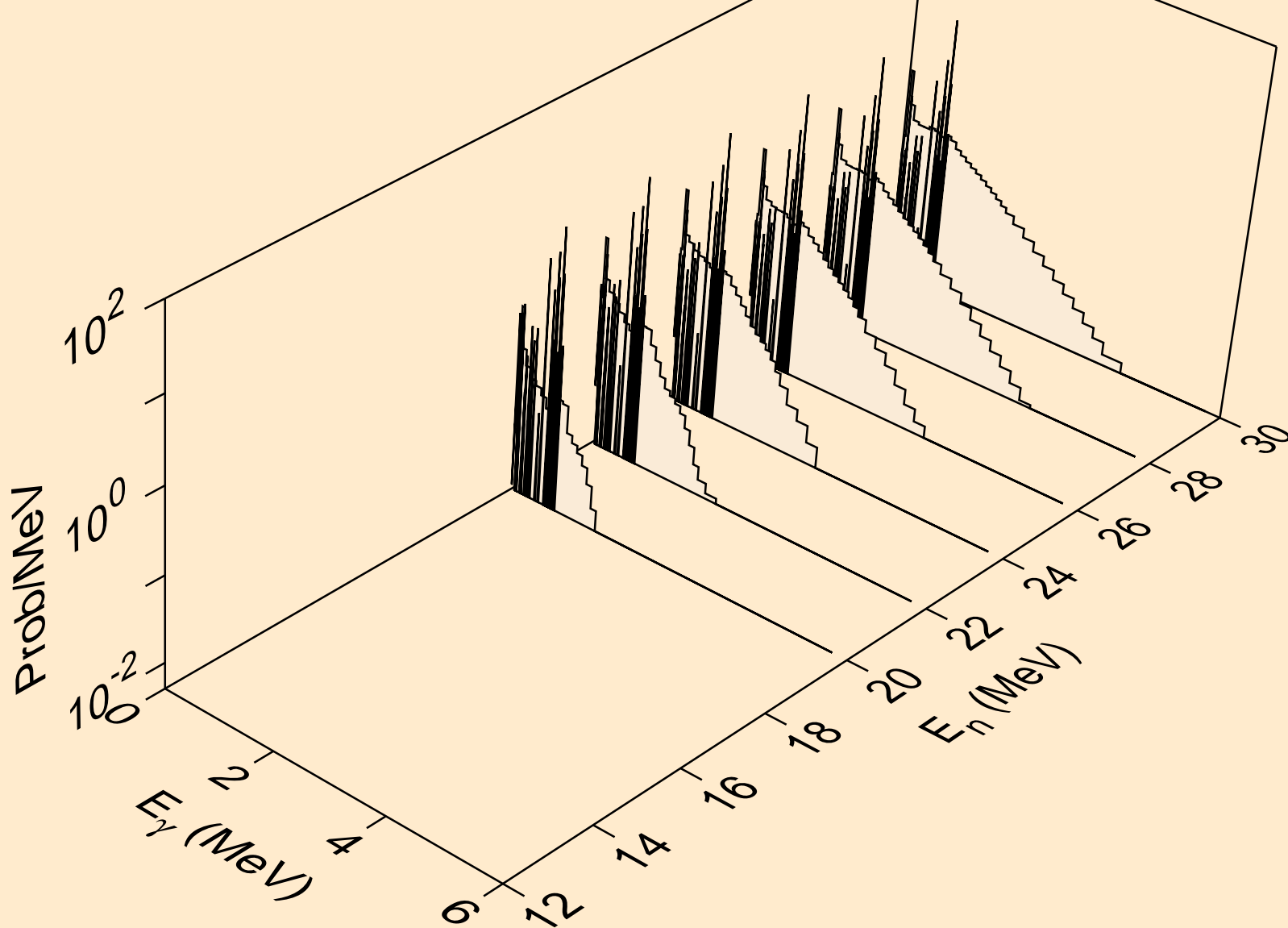




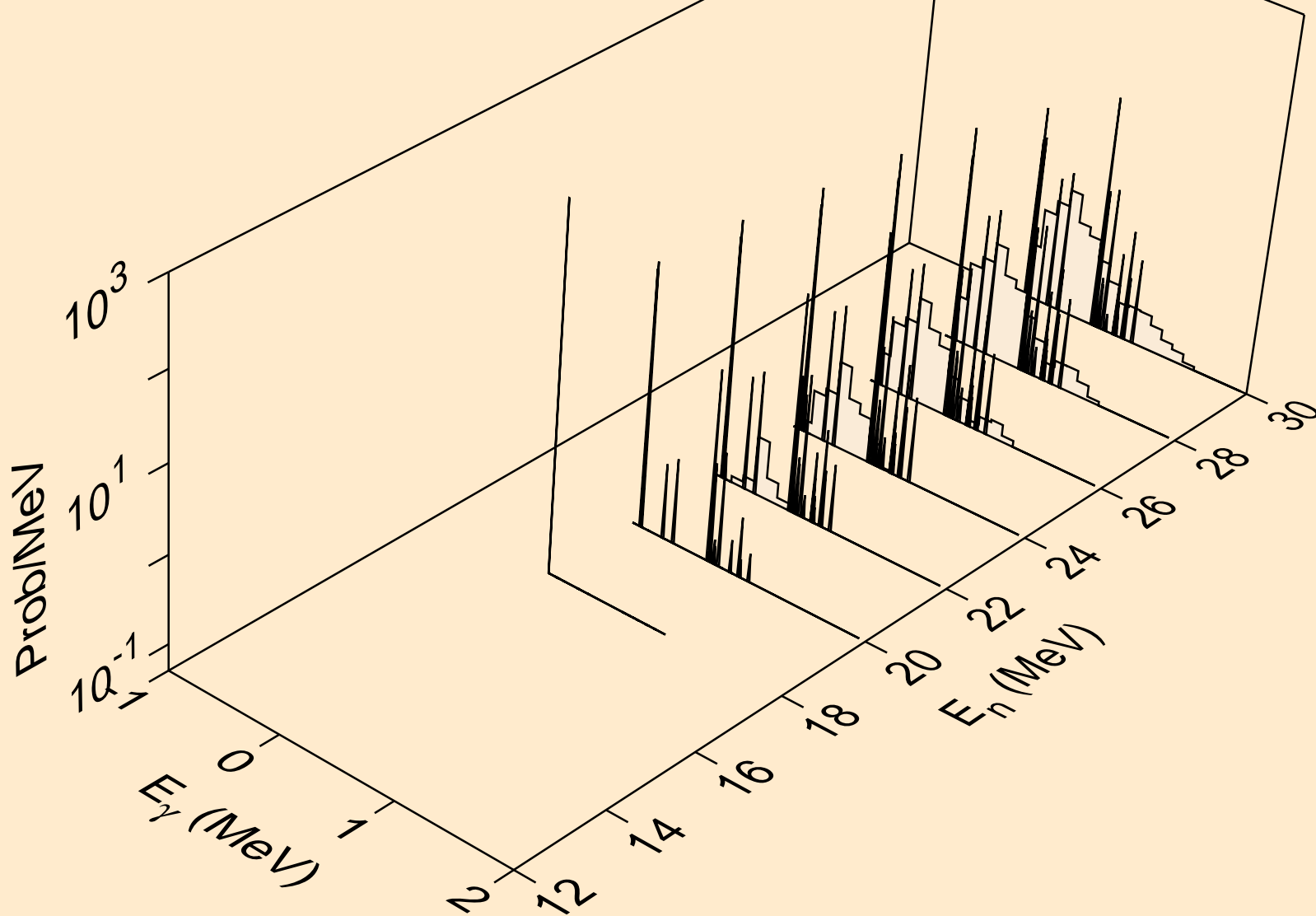
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d



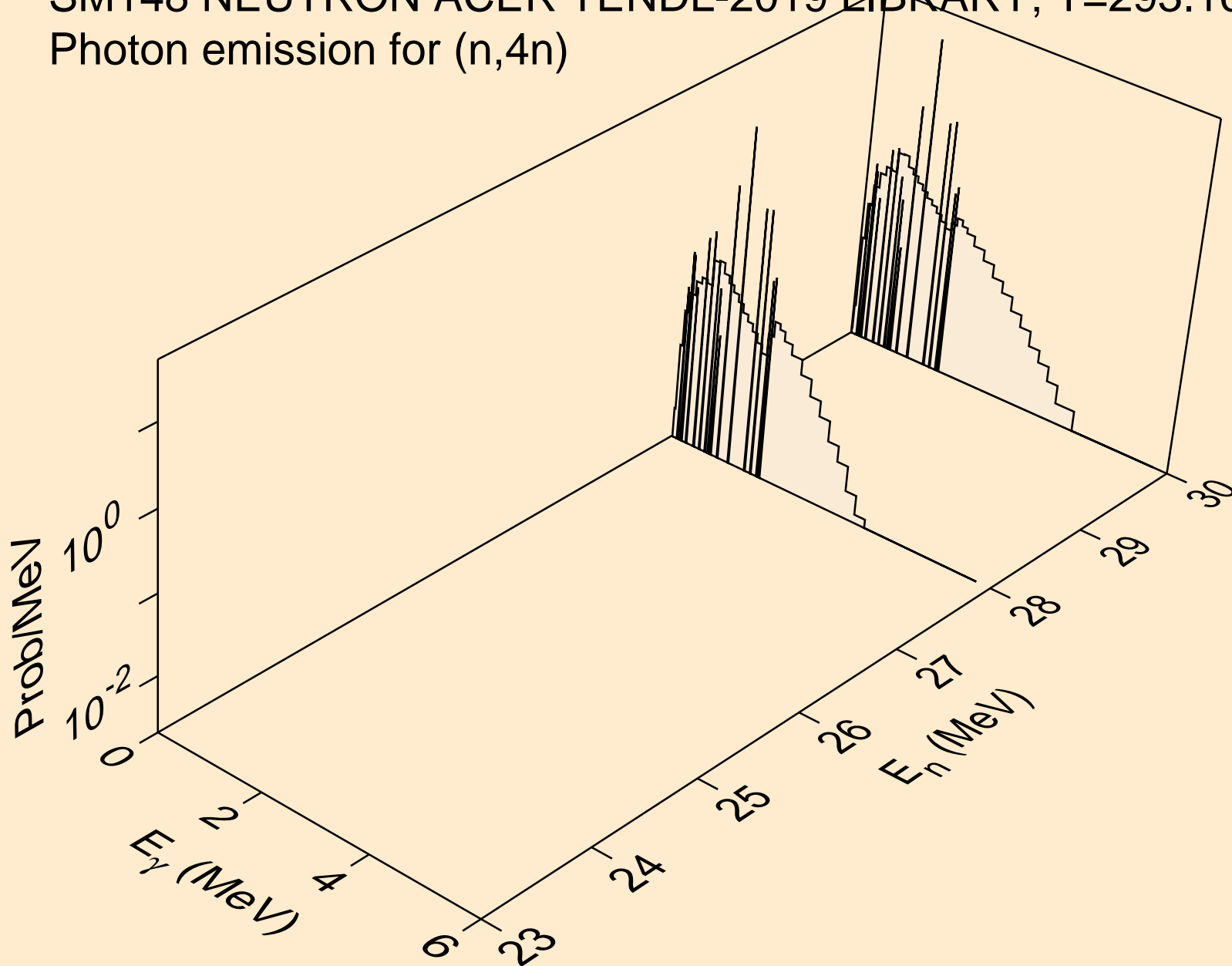
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t



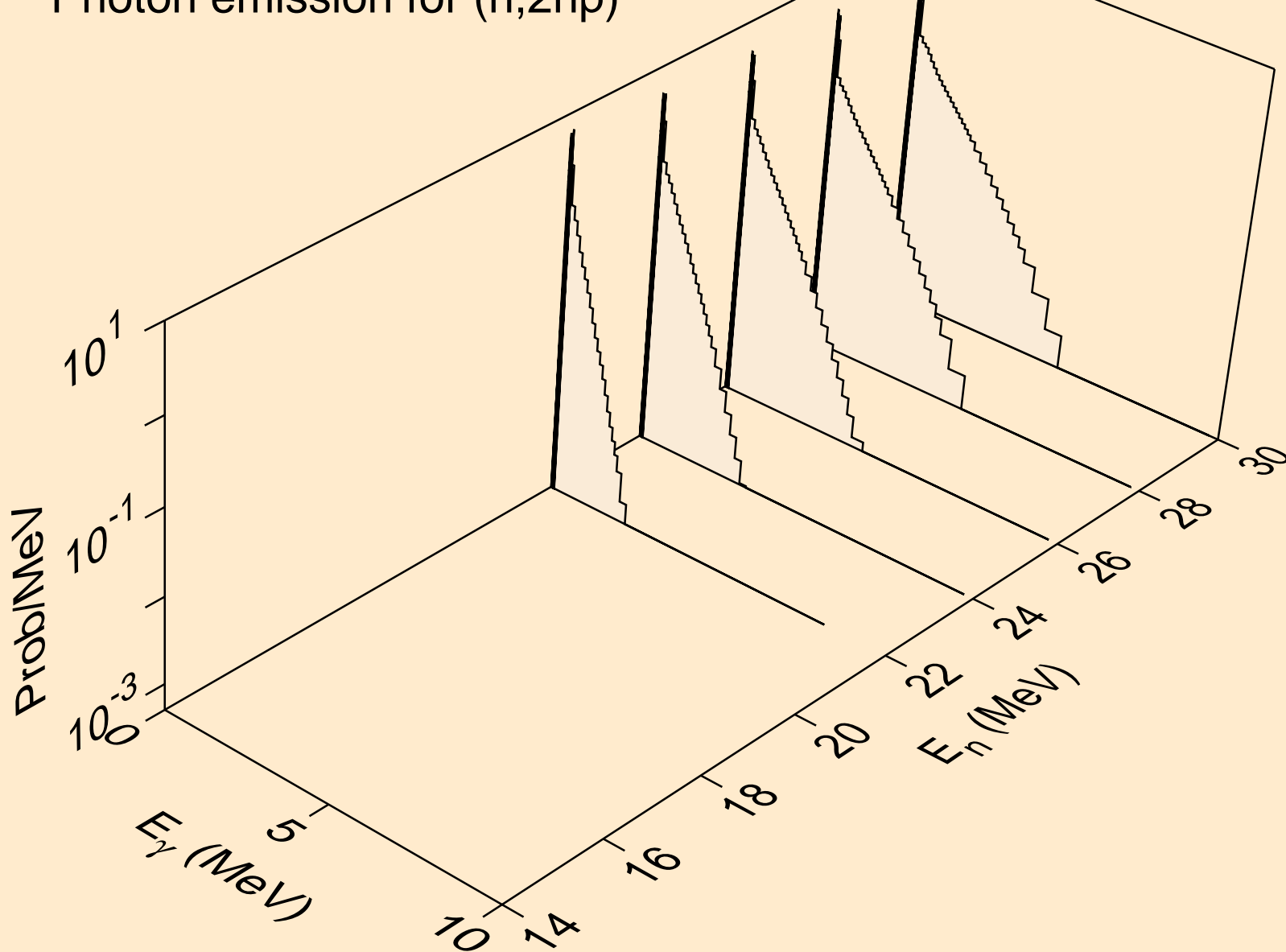
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3



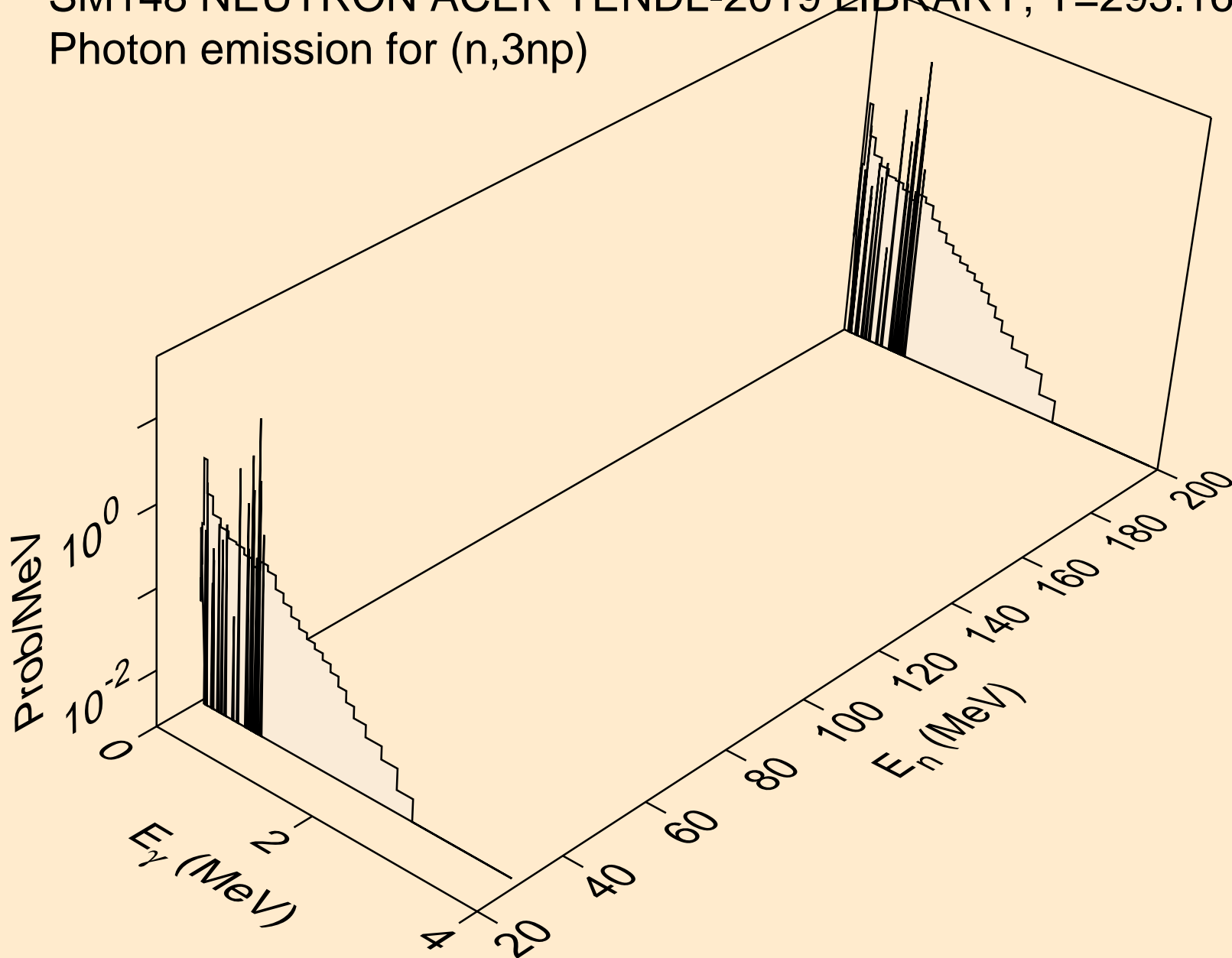
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)



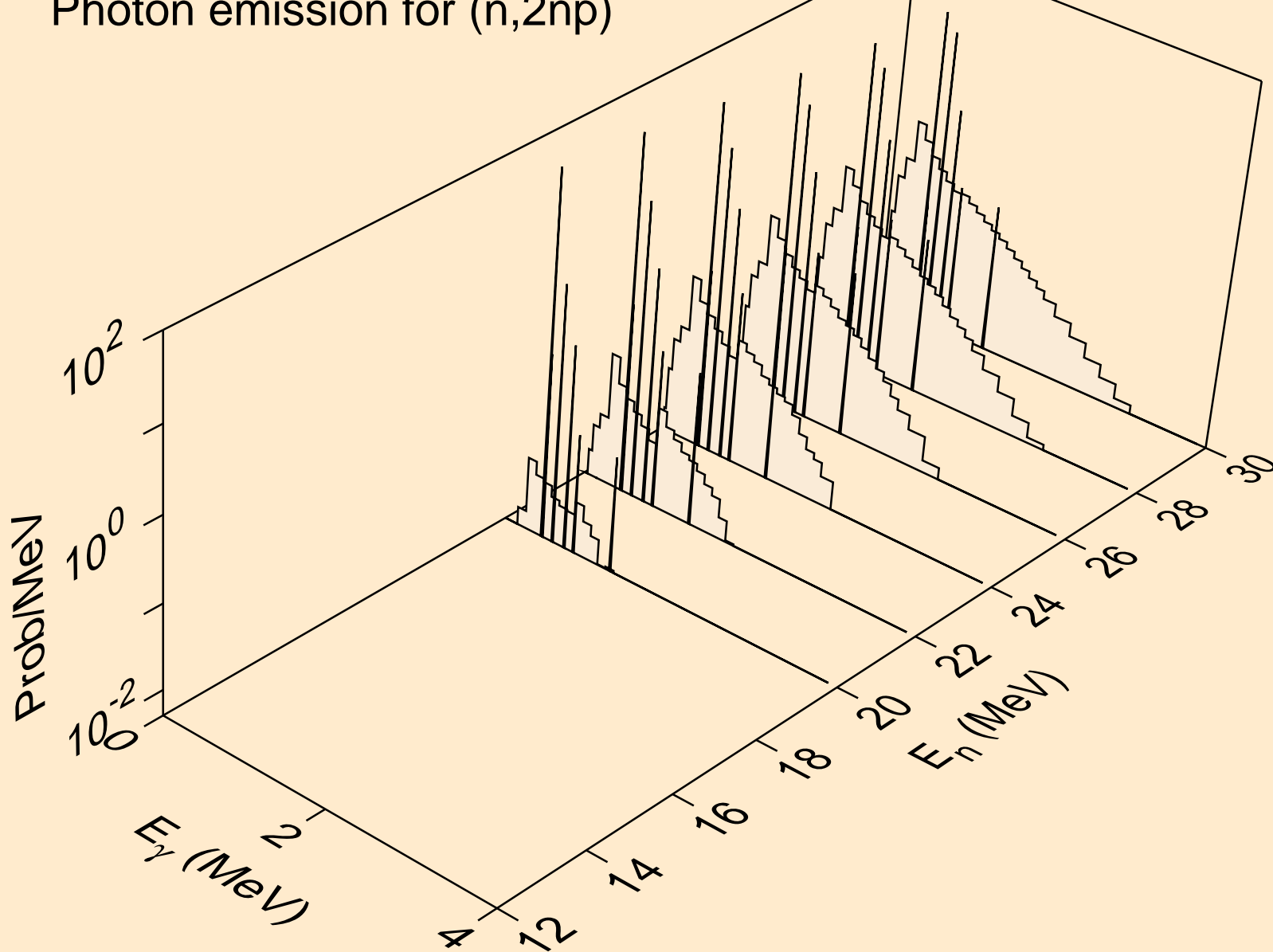
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



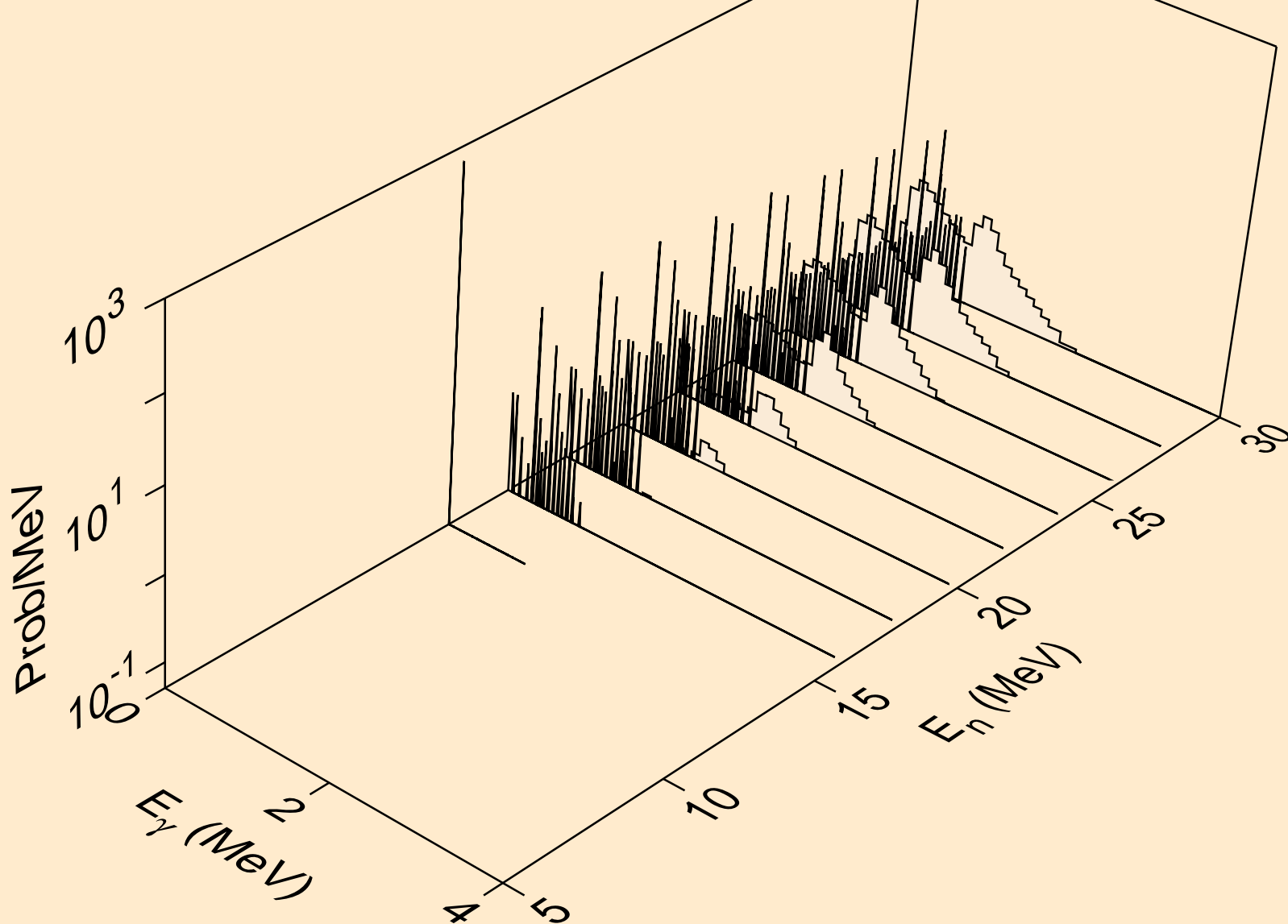
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)



SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)

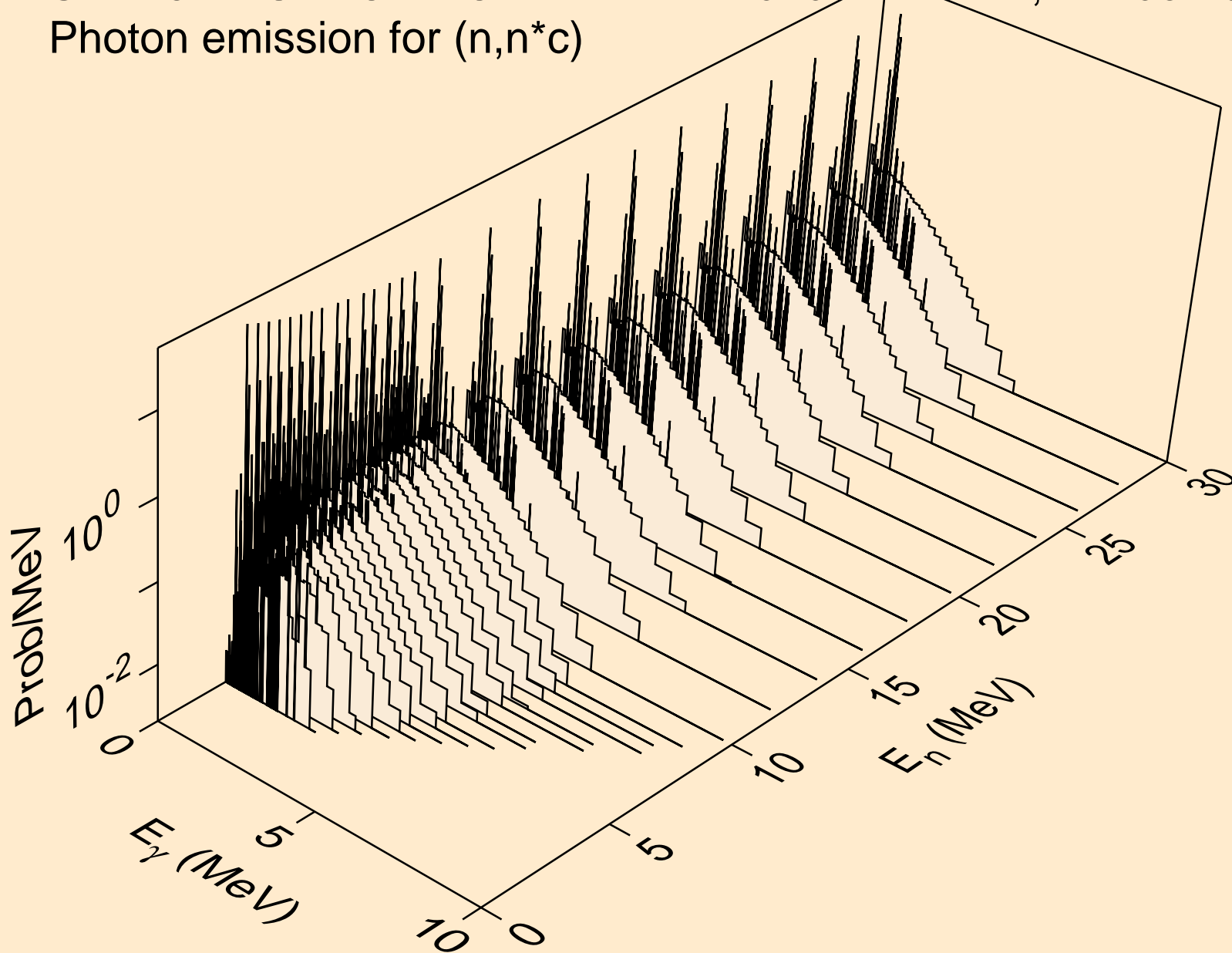


SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)

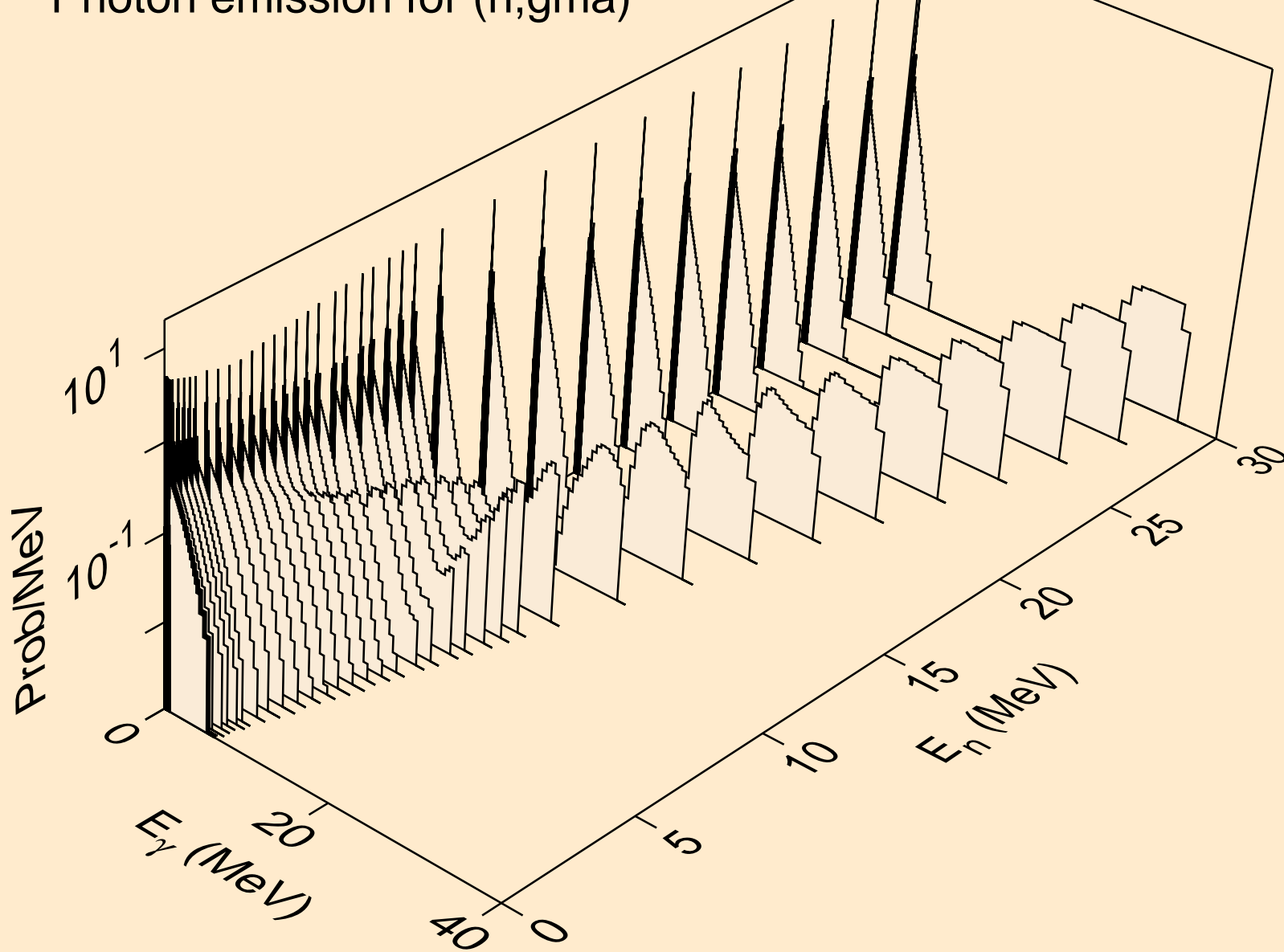




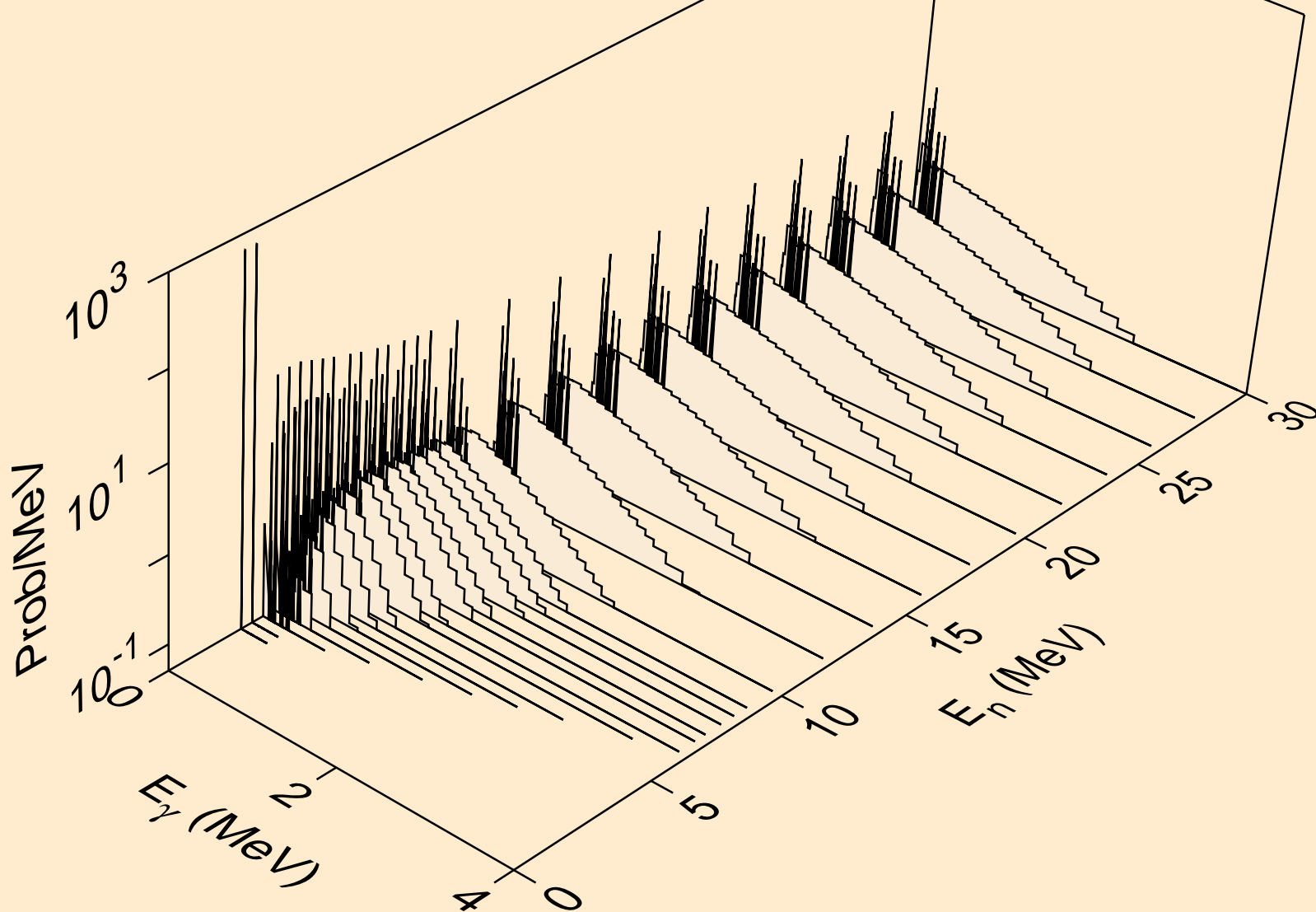
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



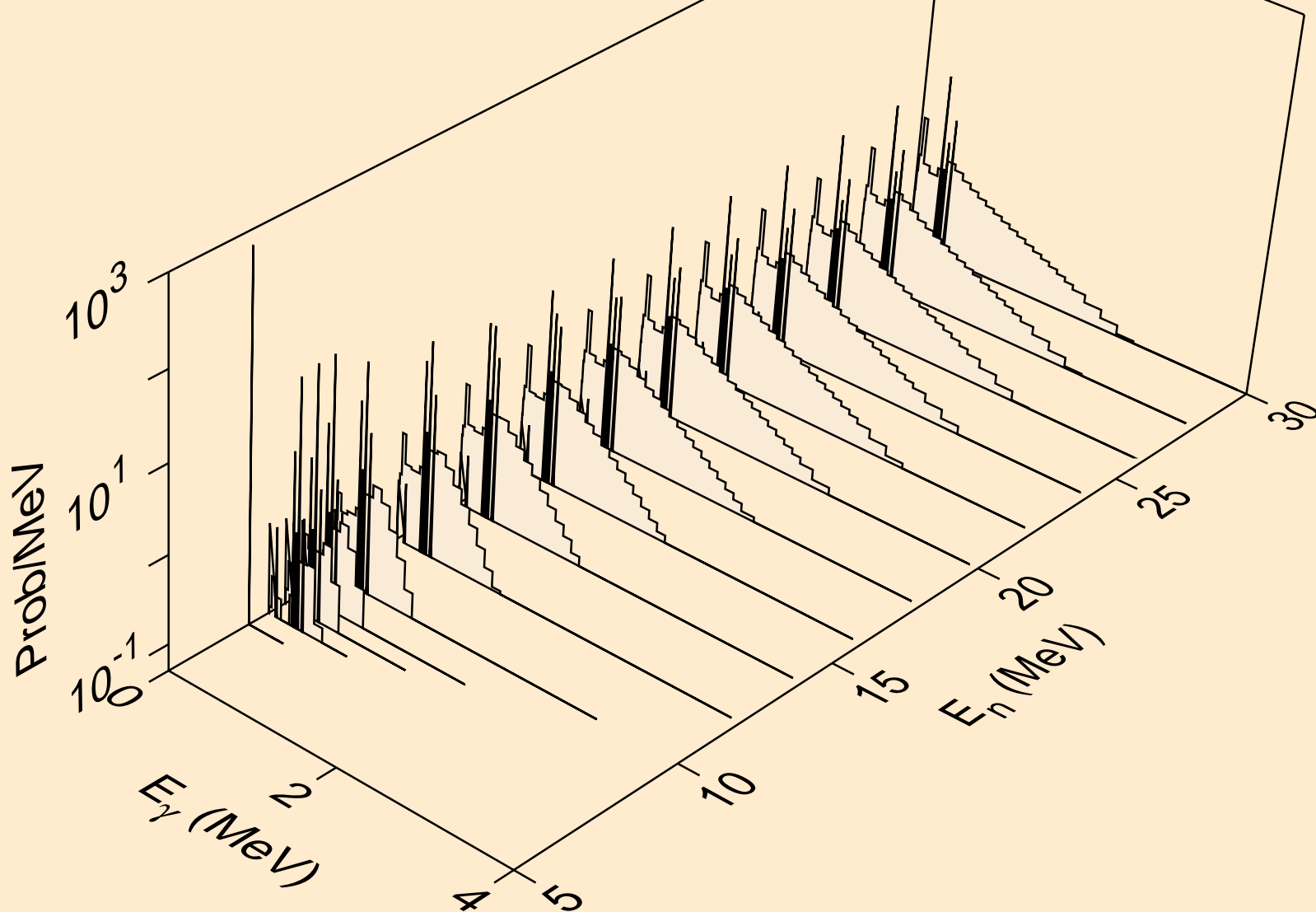
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)



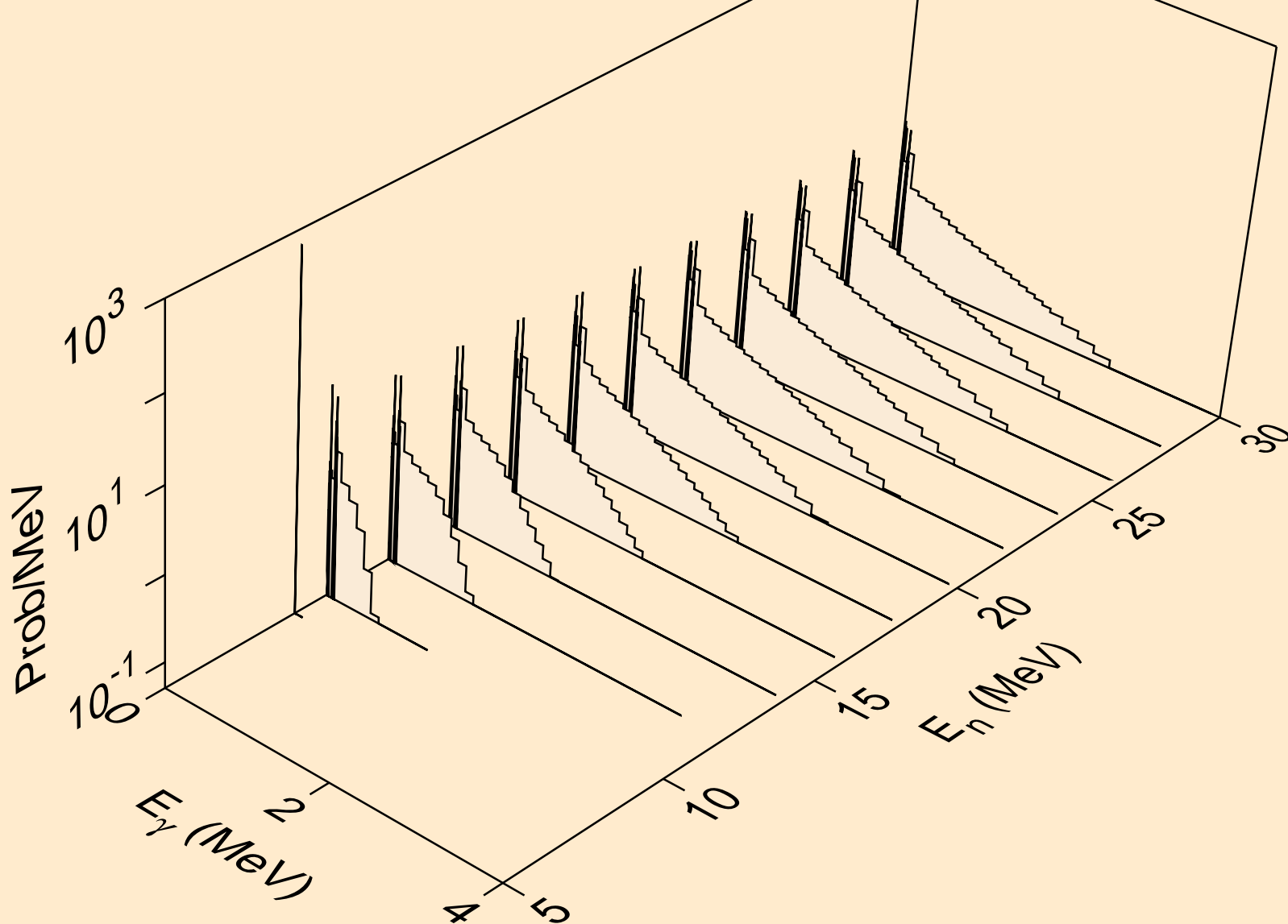
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



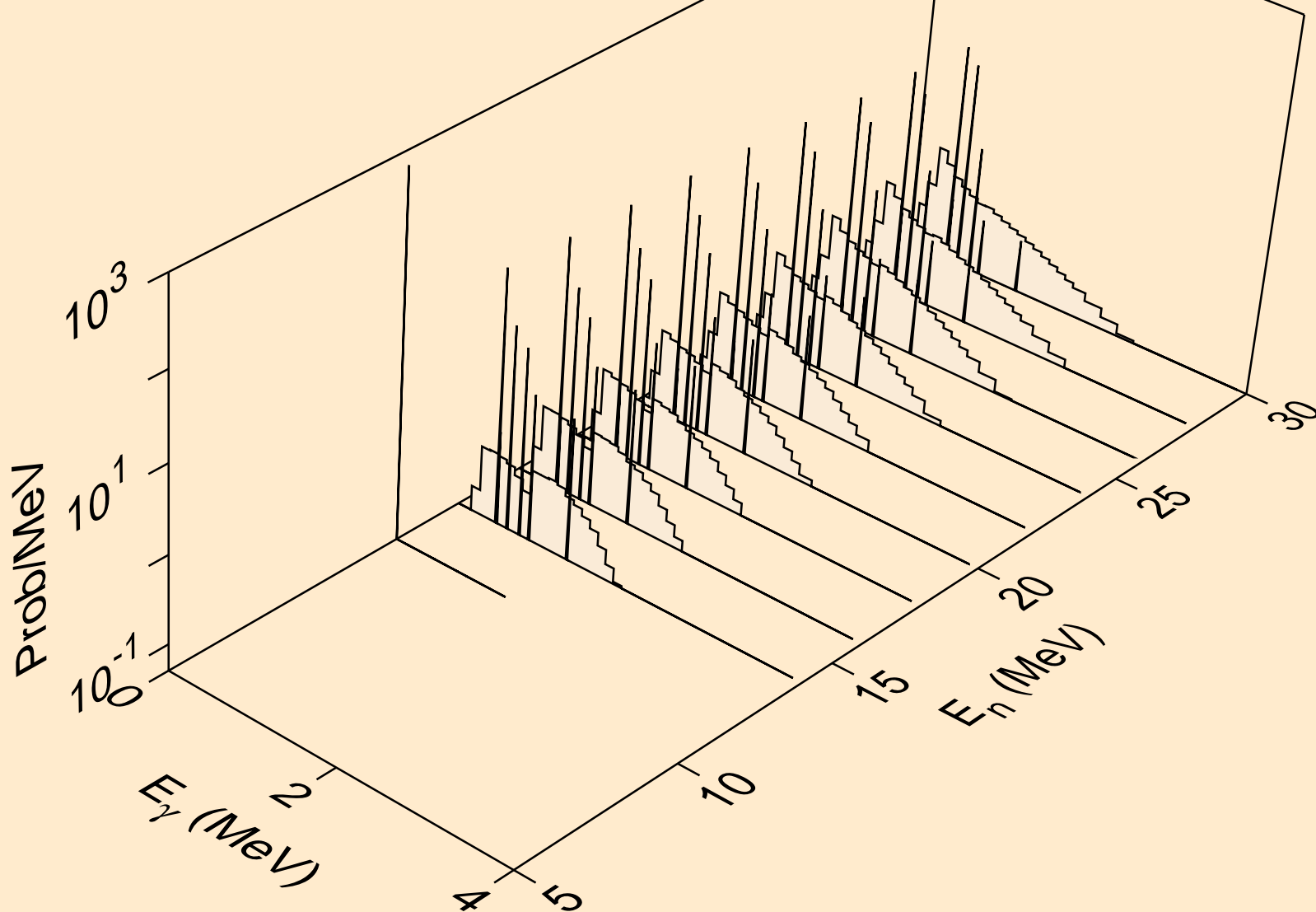
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)



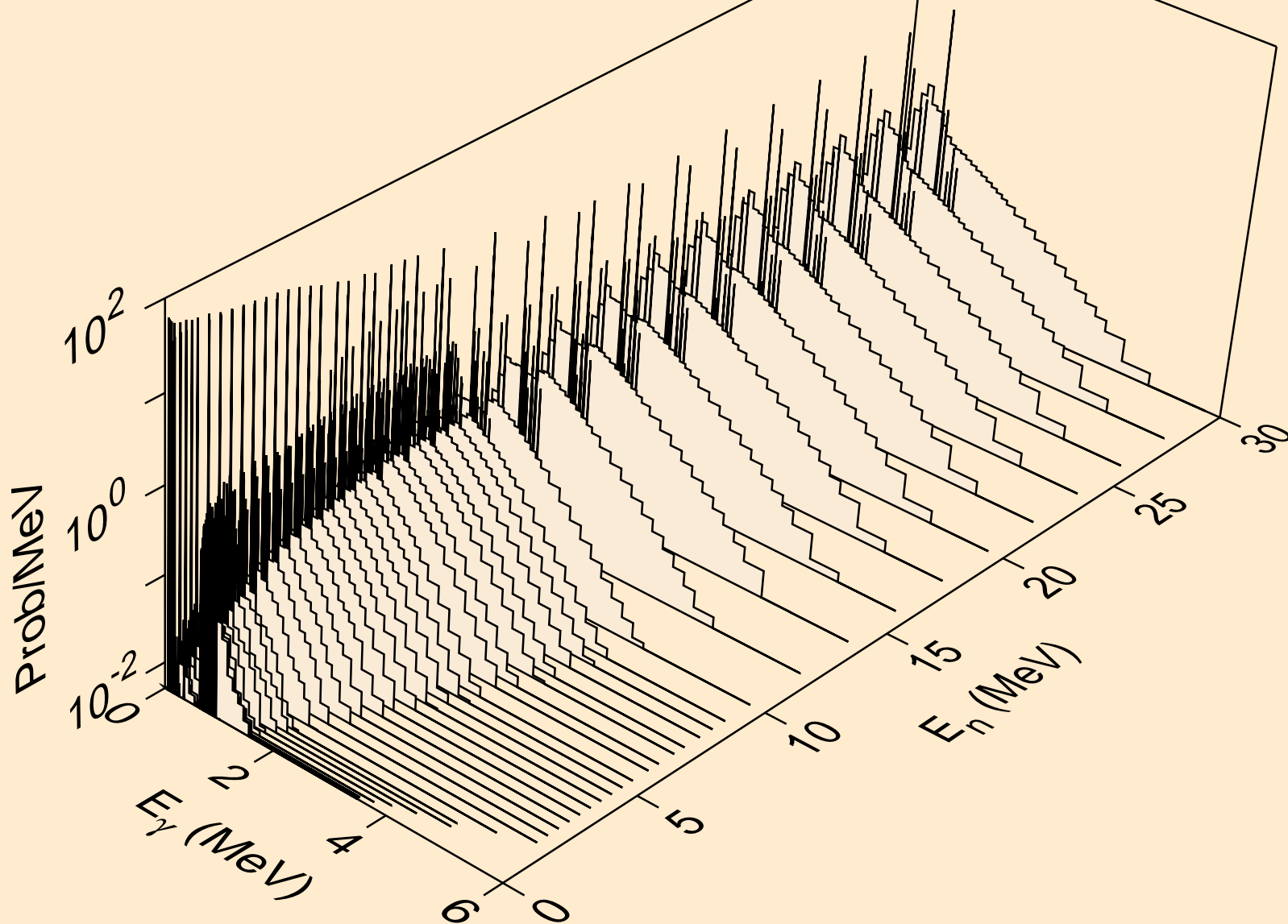
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



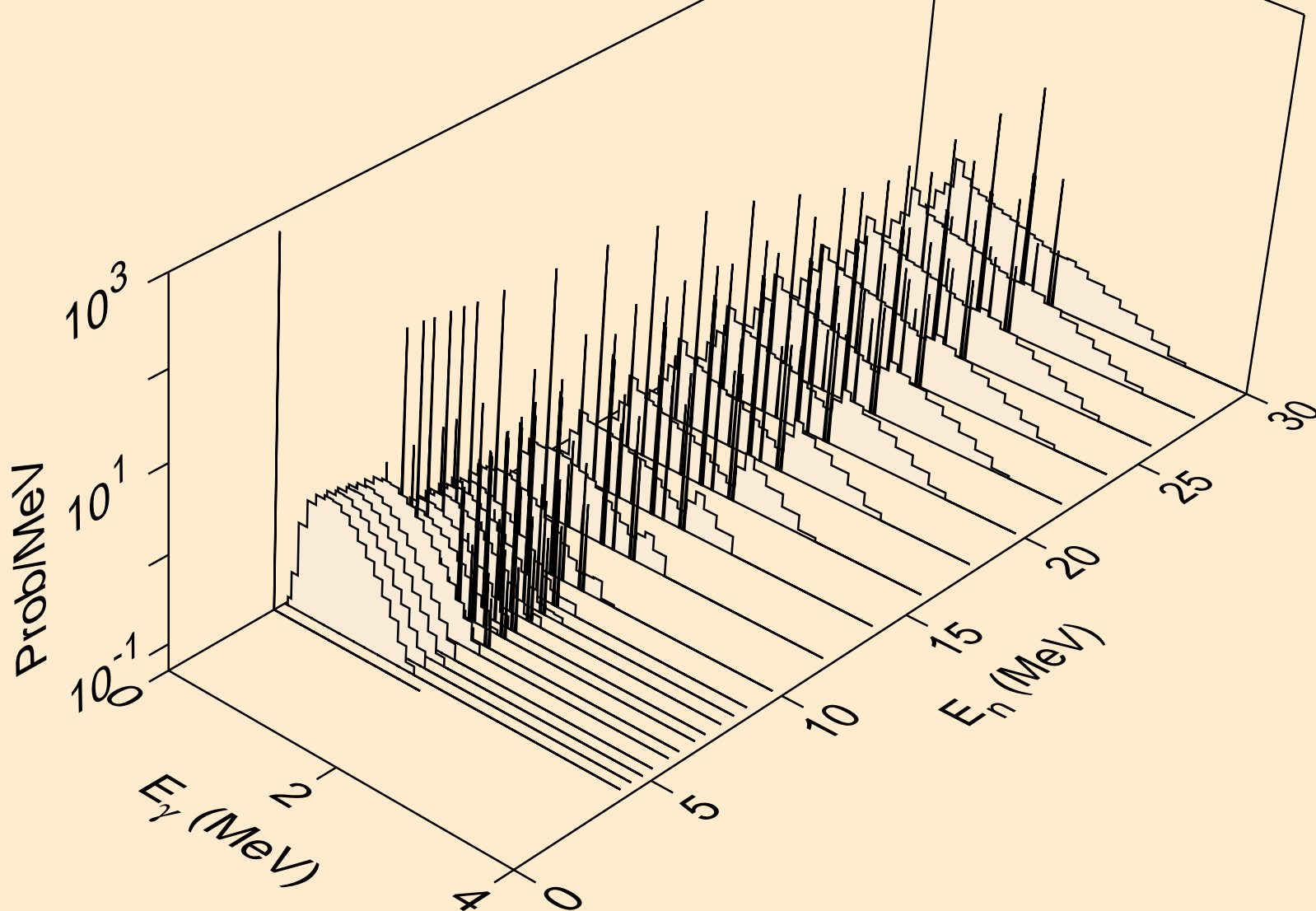
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)



SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)

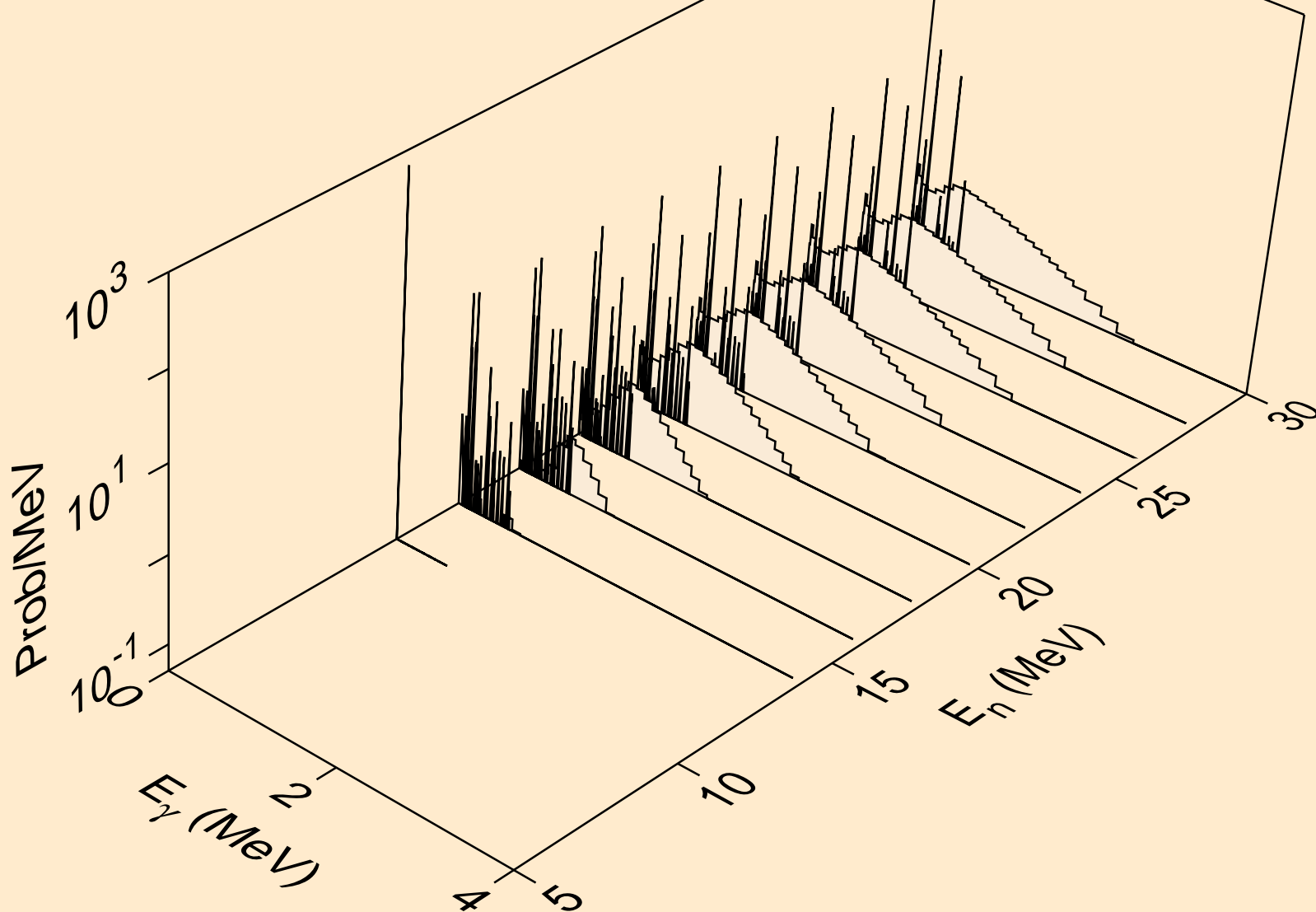


SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2a)

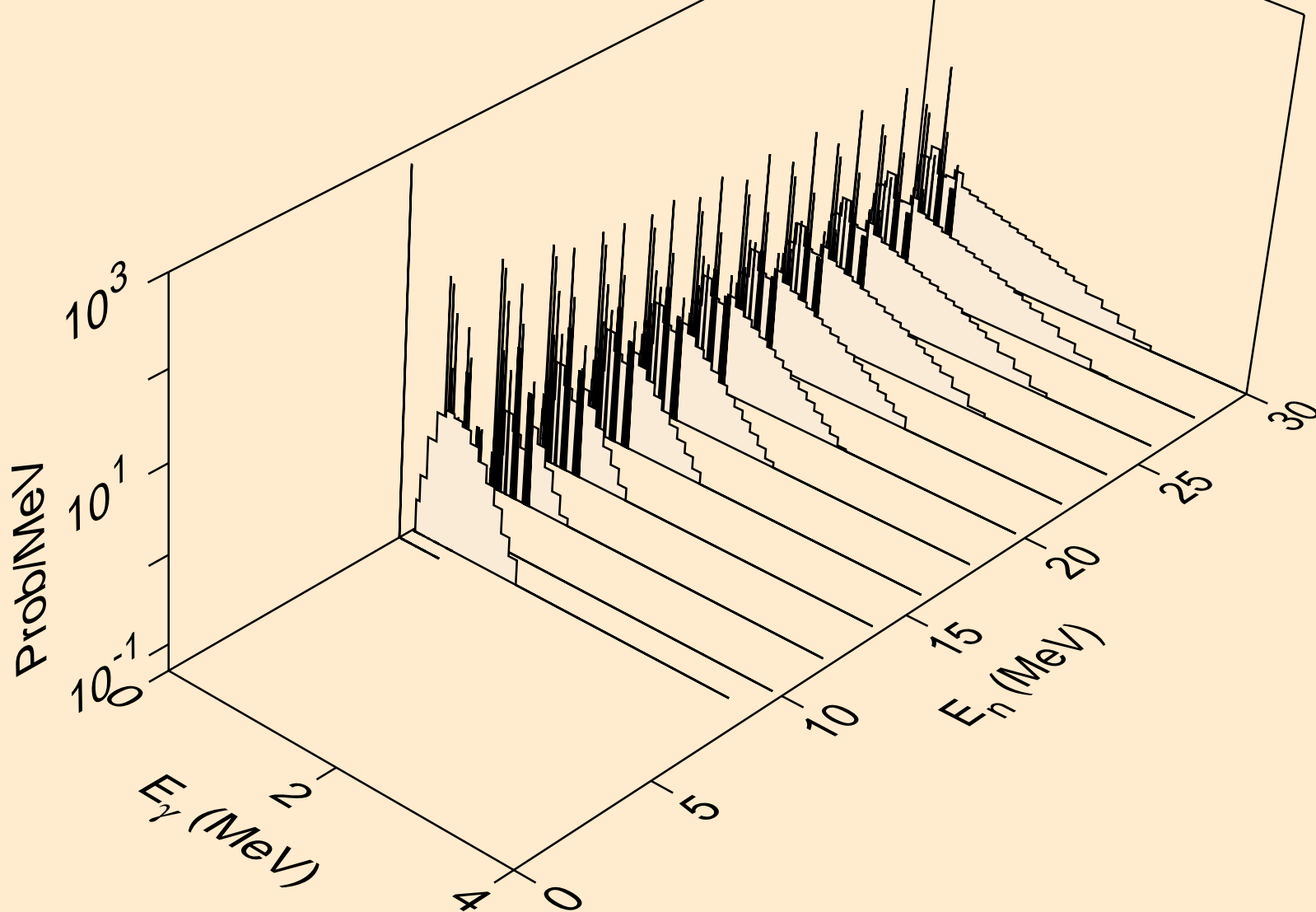




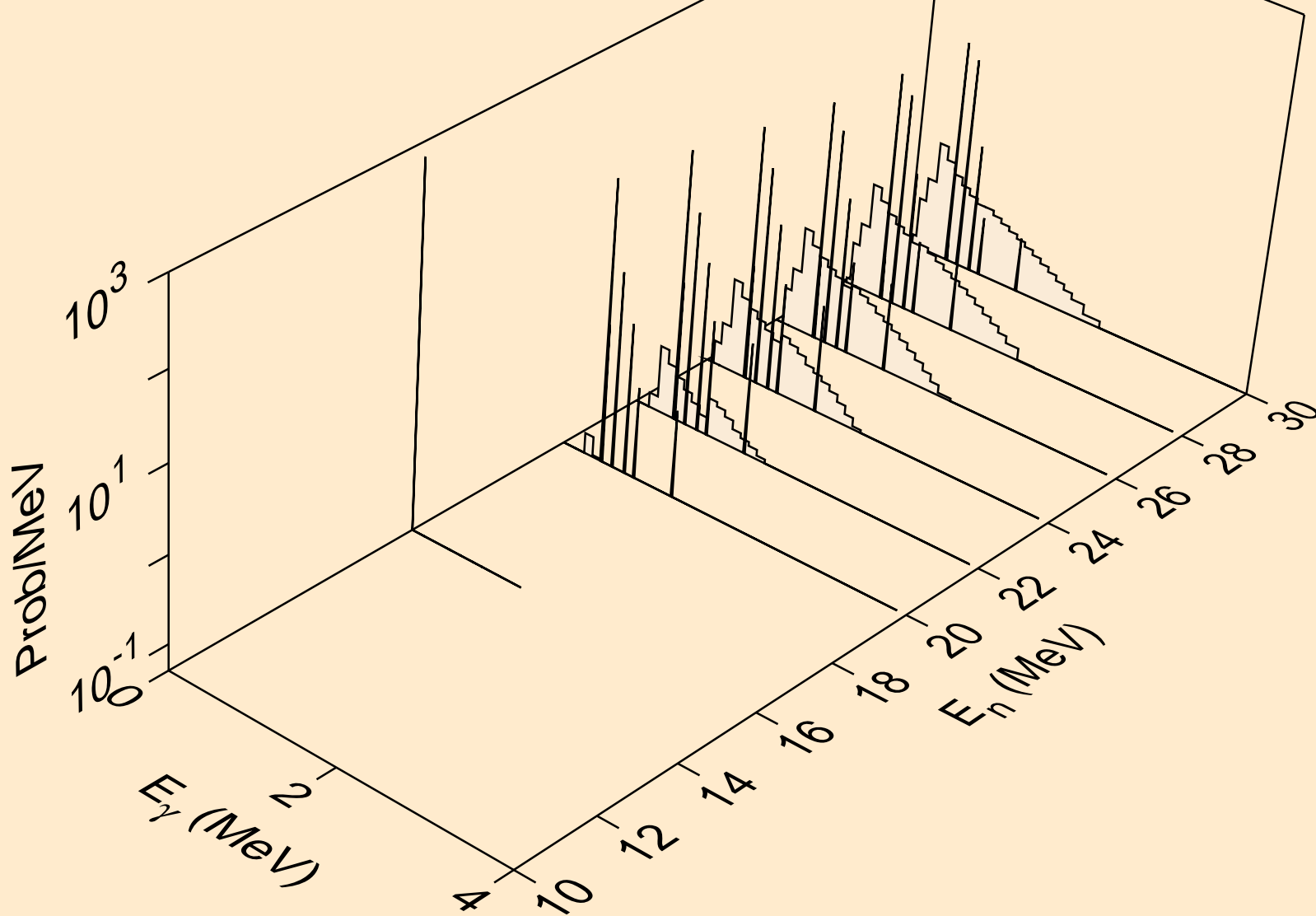
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)



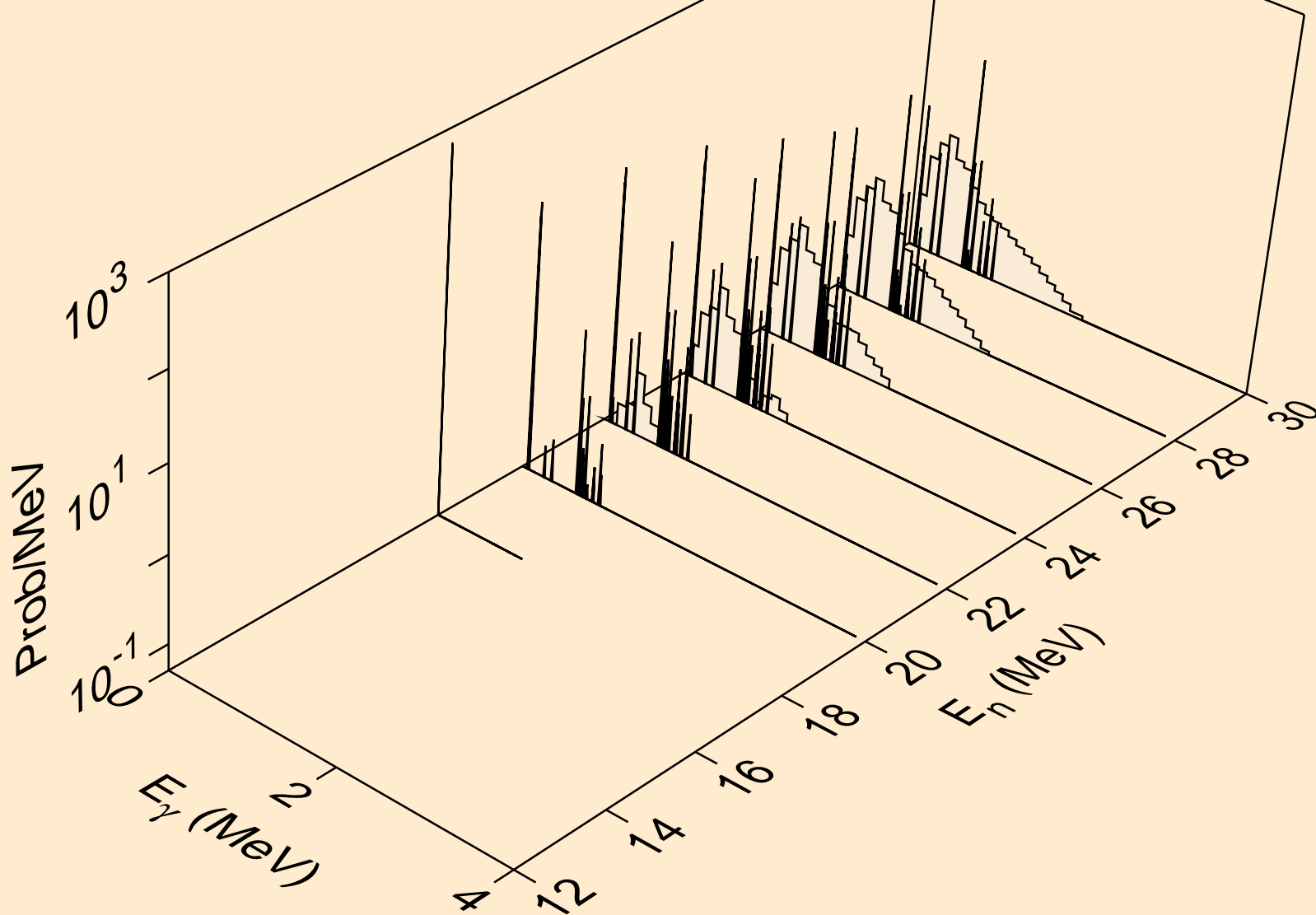
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



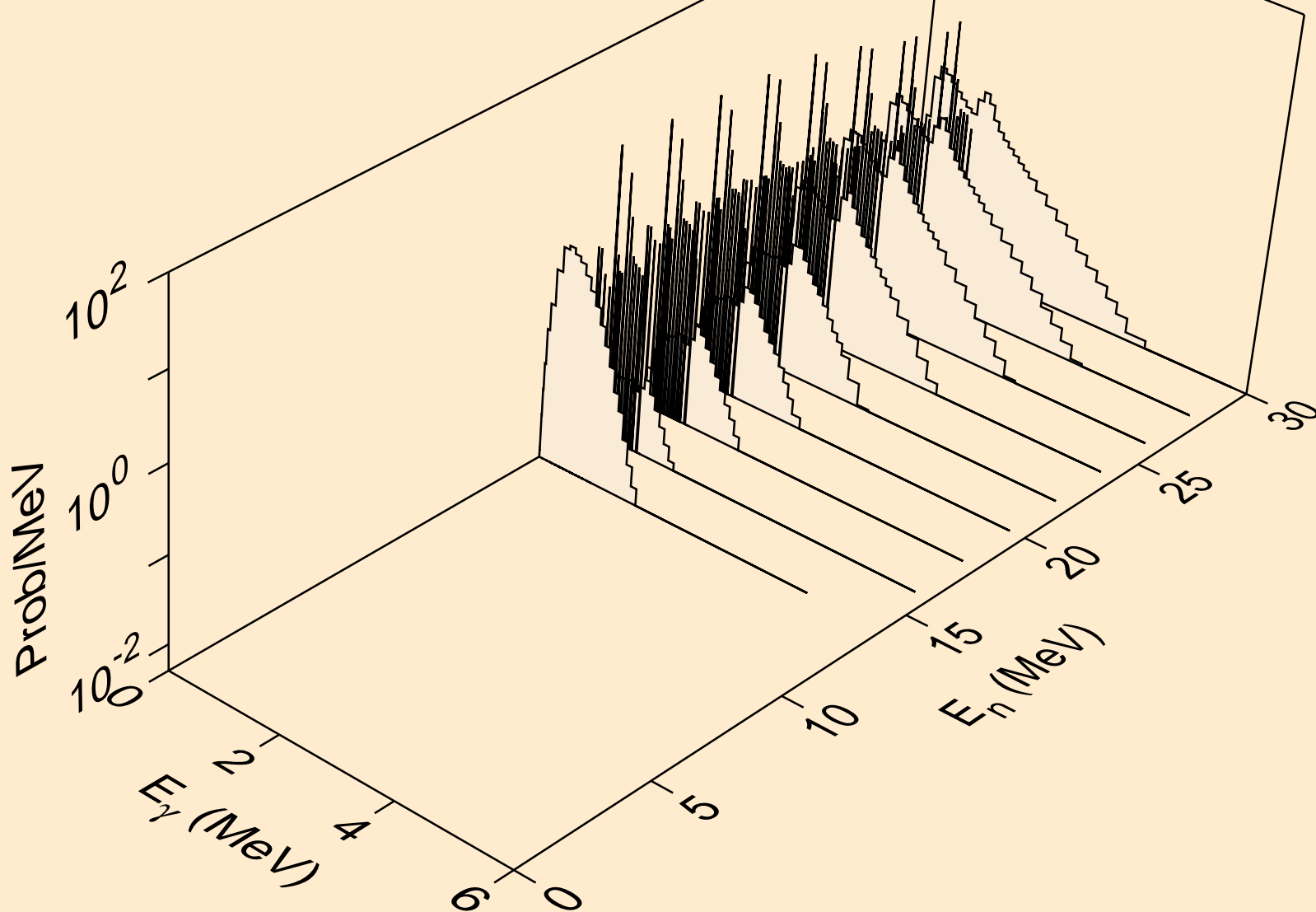
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)



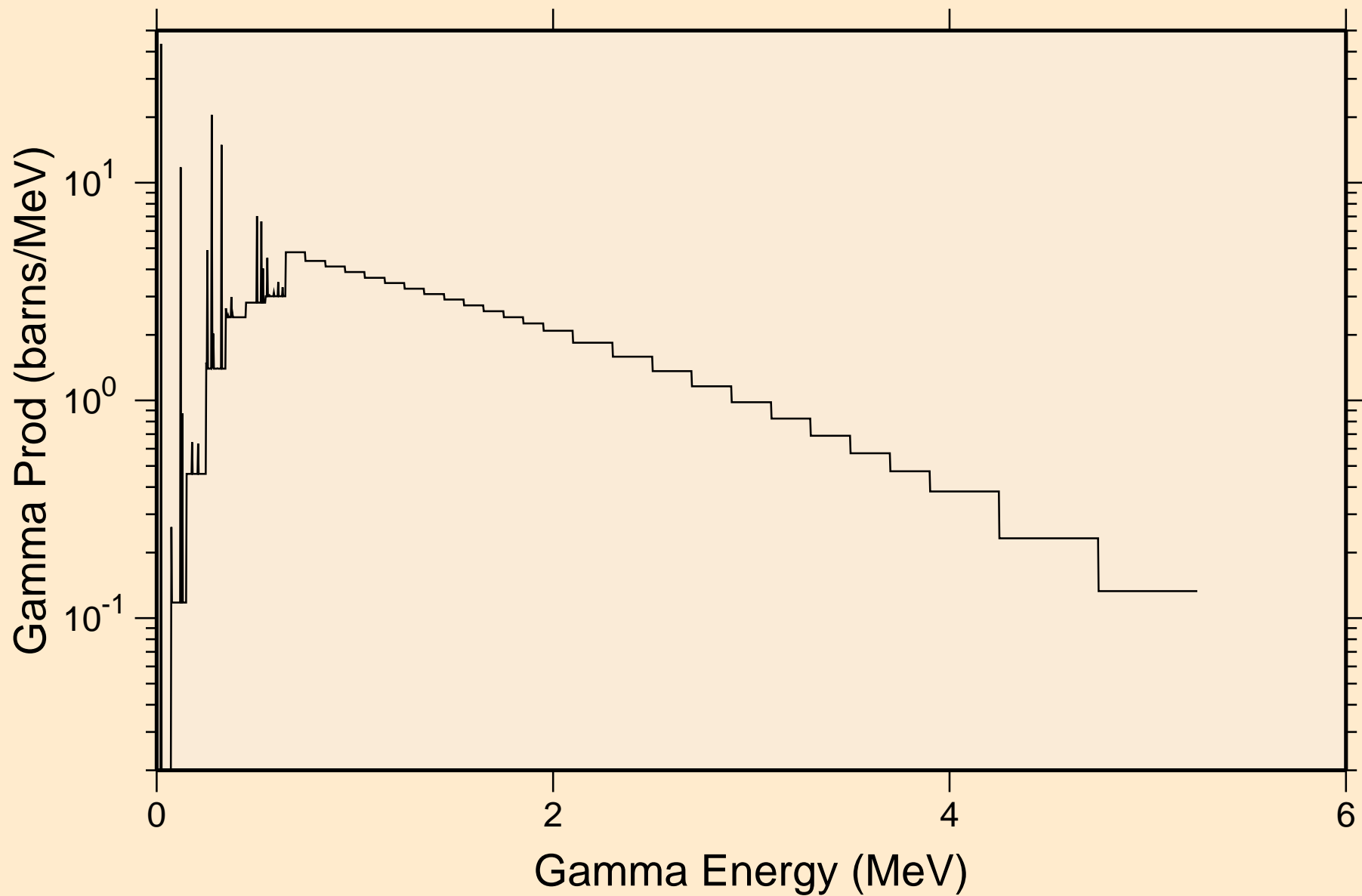
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pt)



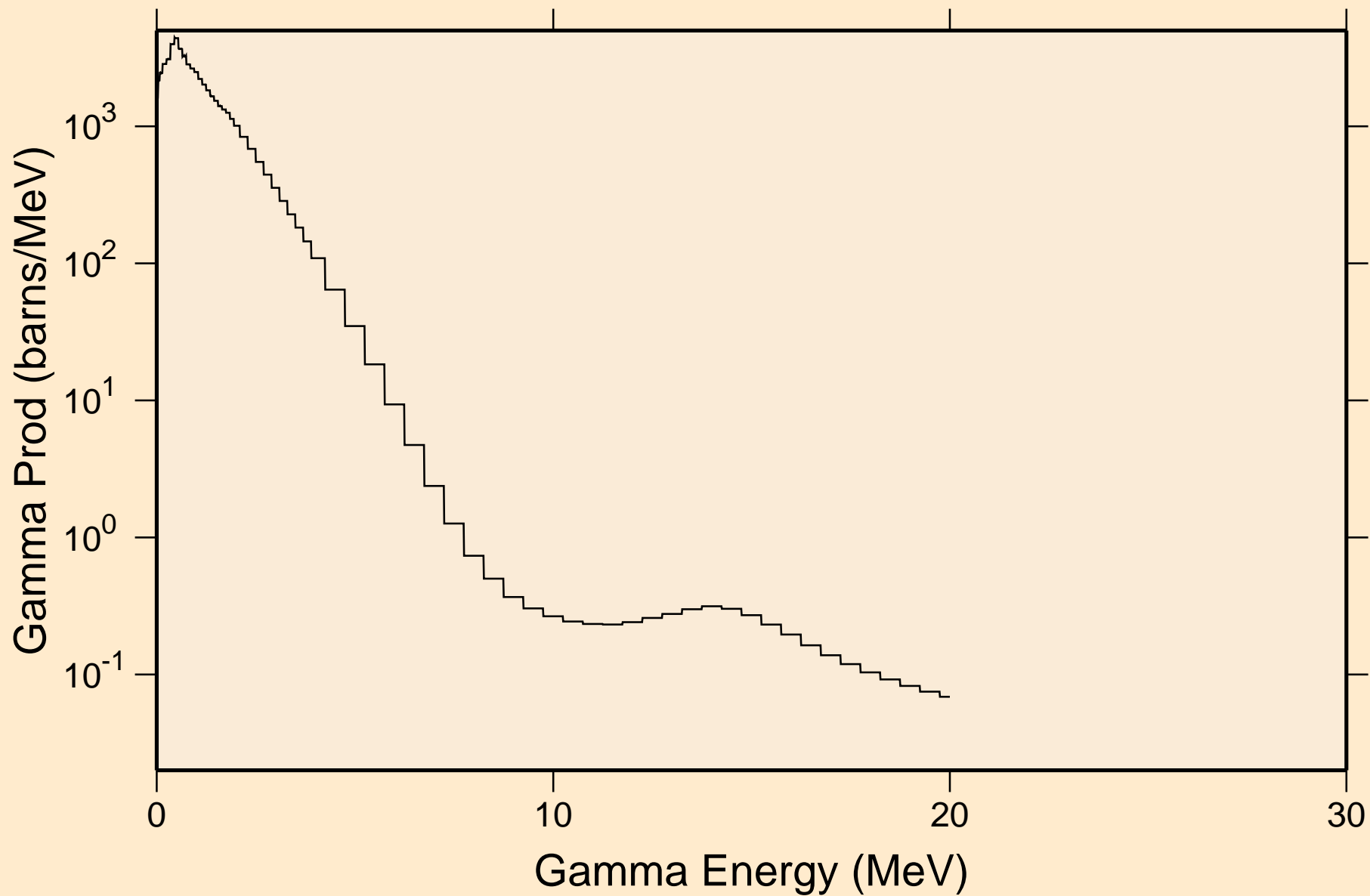
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)



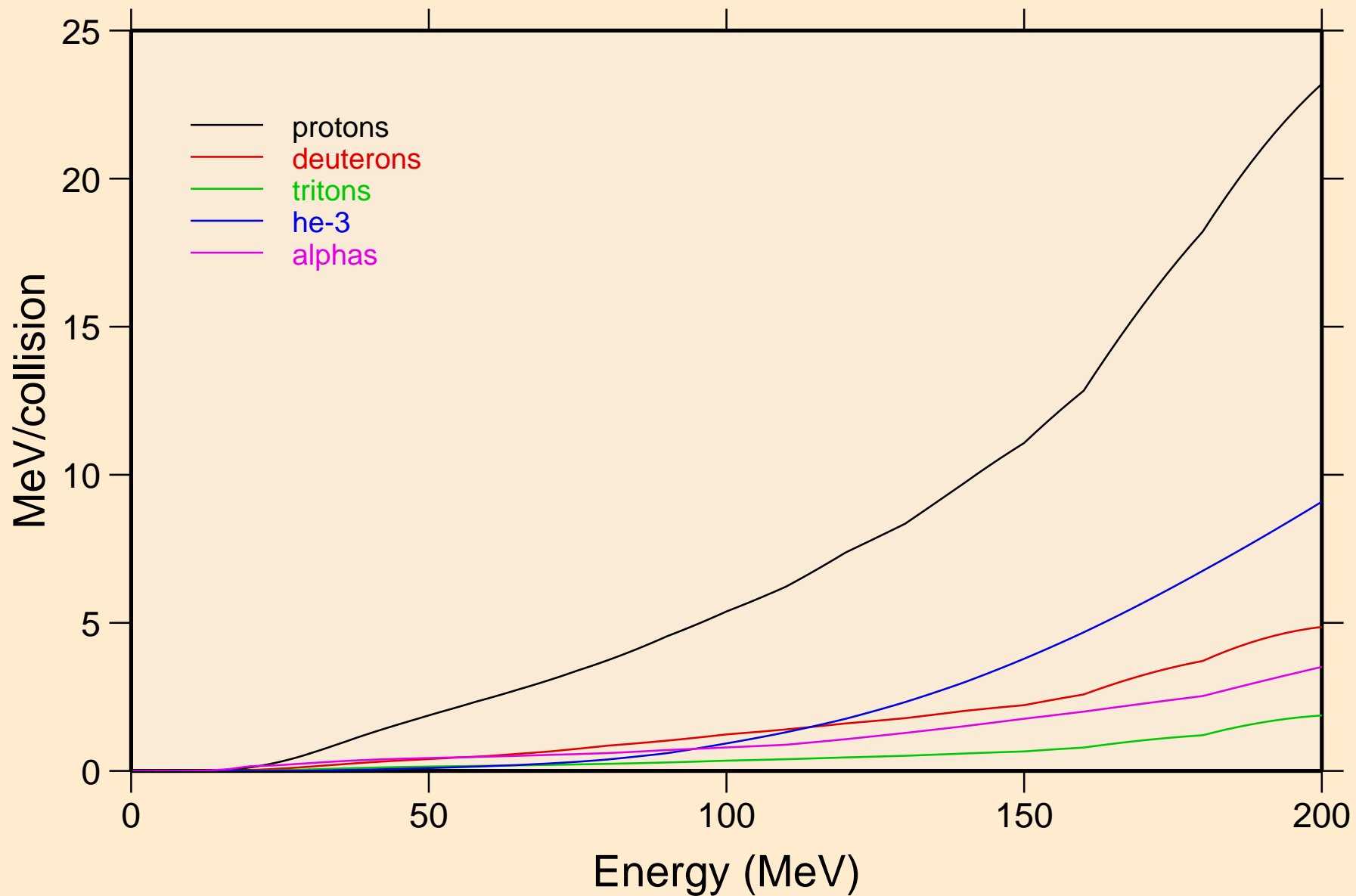
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum



SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum



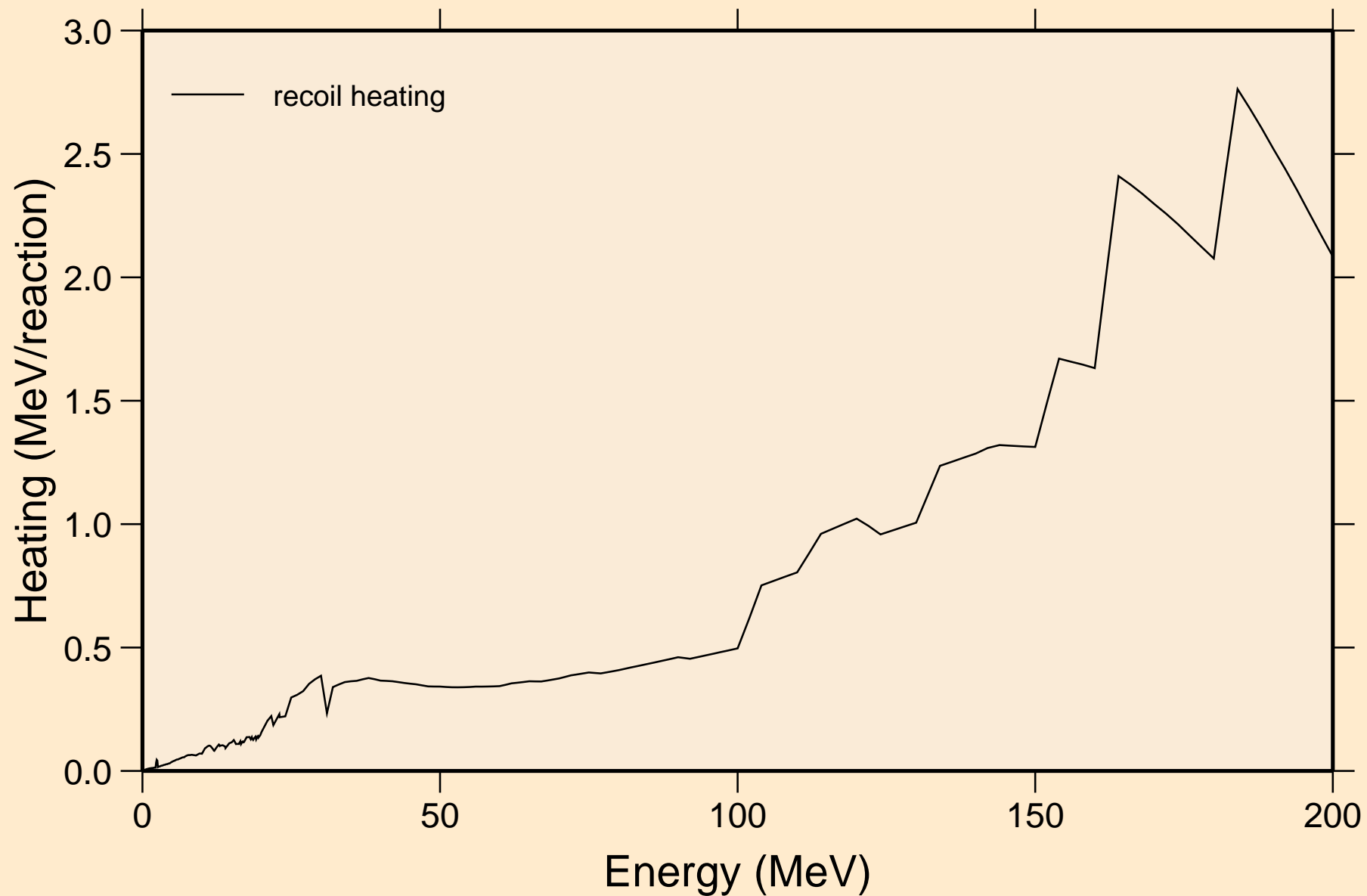
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle heating contributions



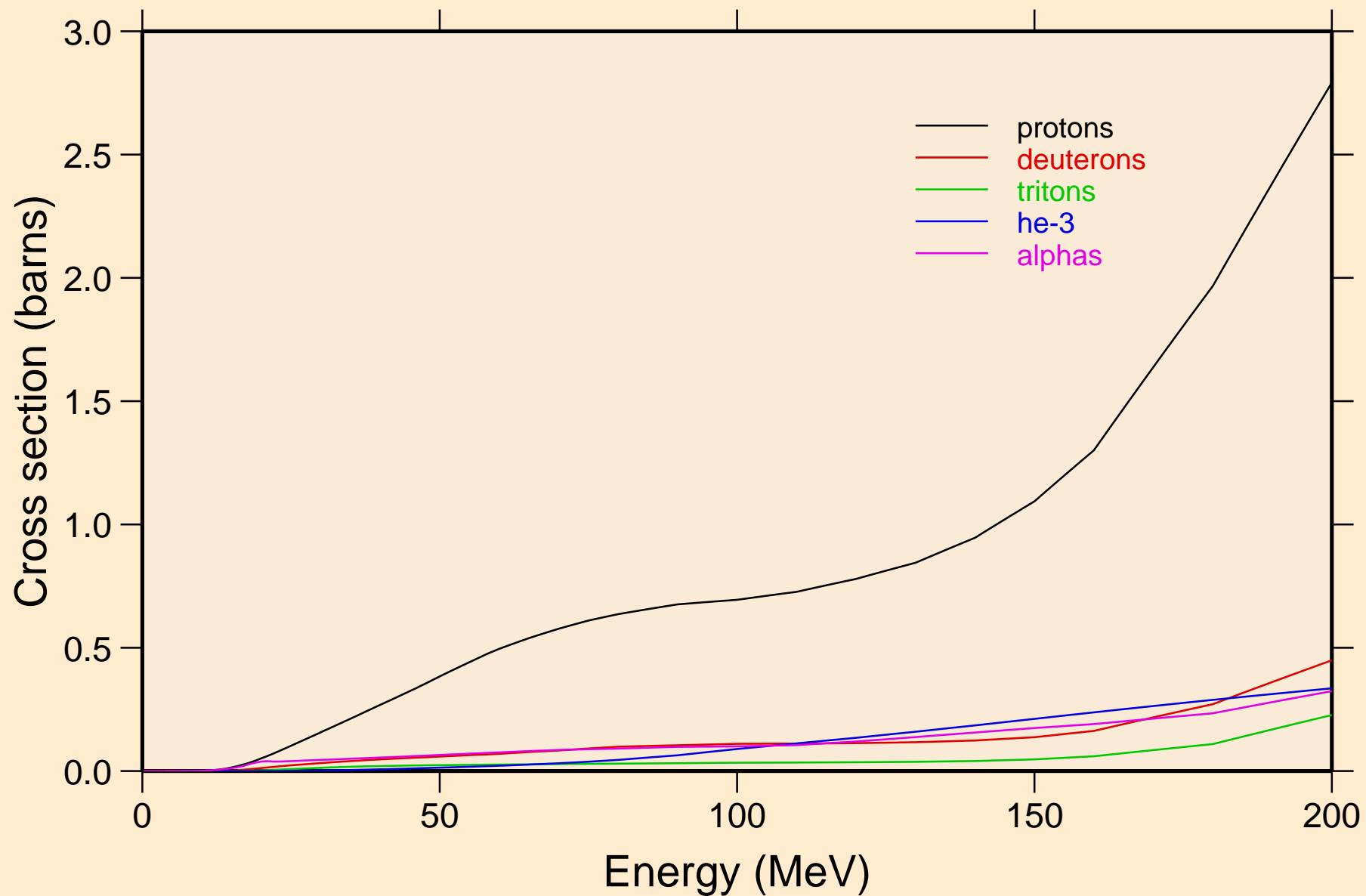


# SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

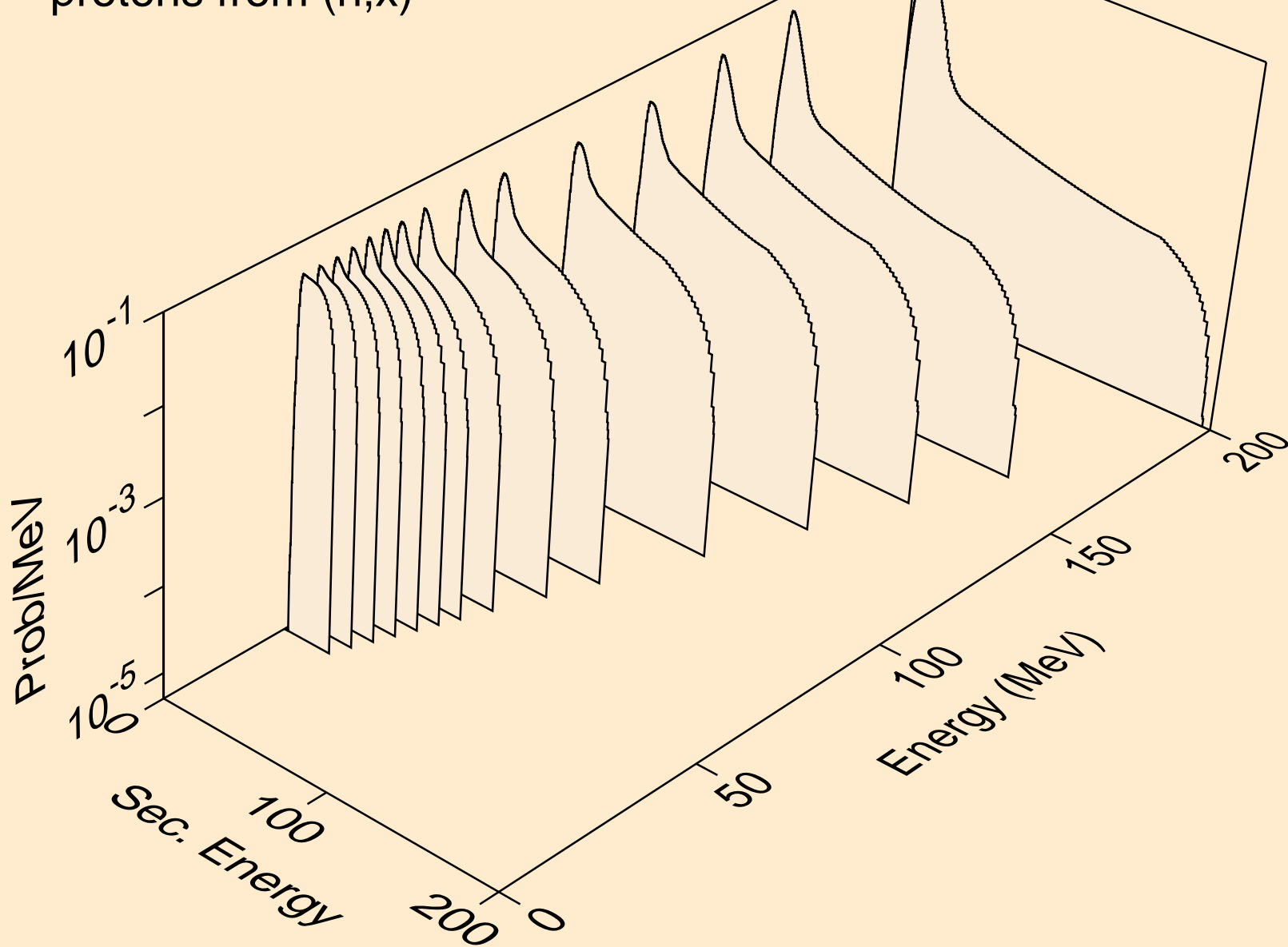
## Recoil Heating



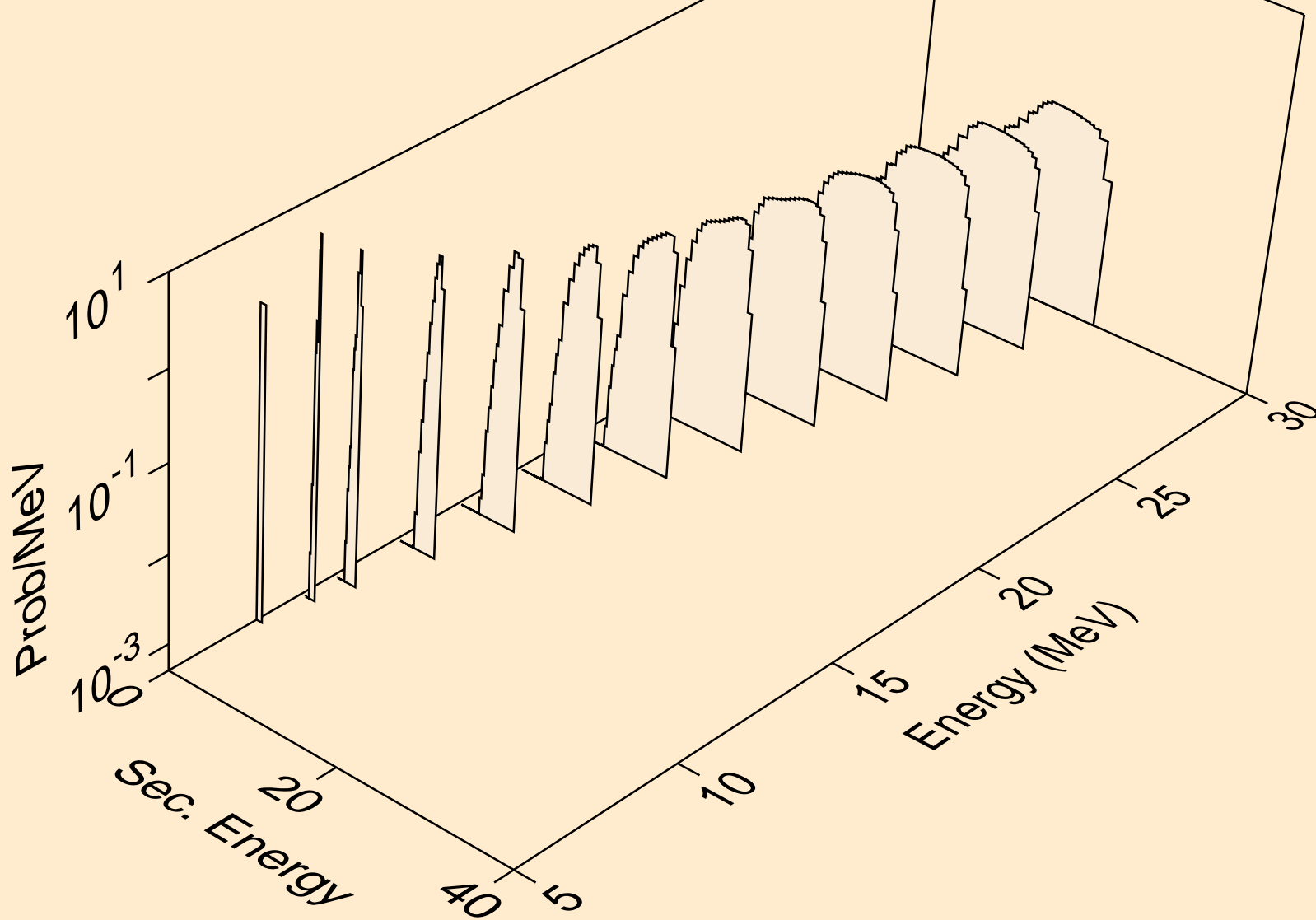
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle production cross sections



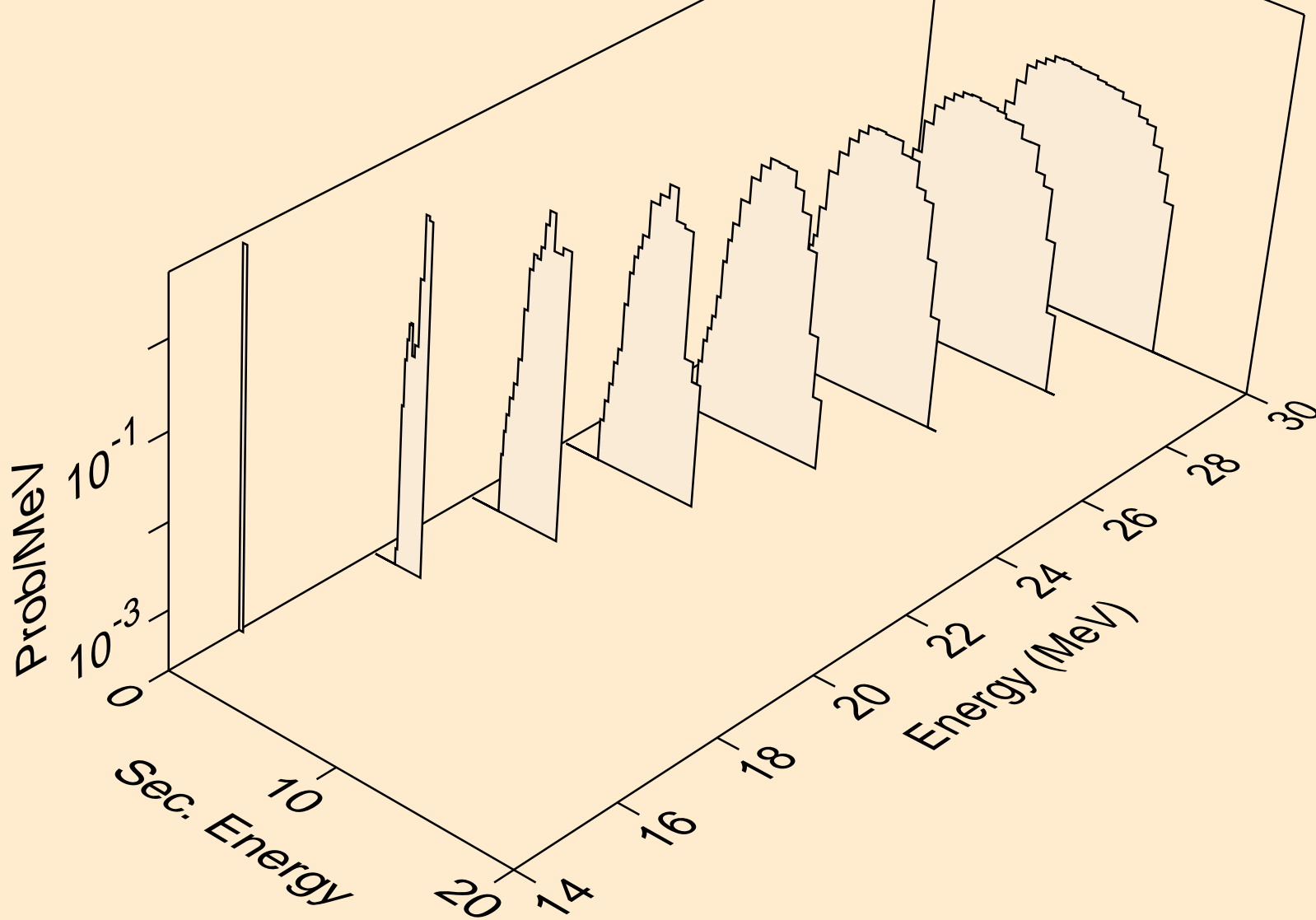
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



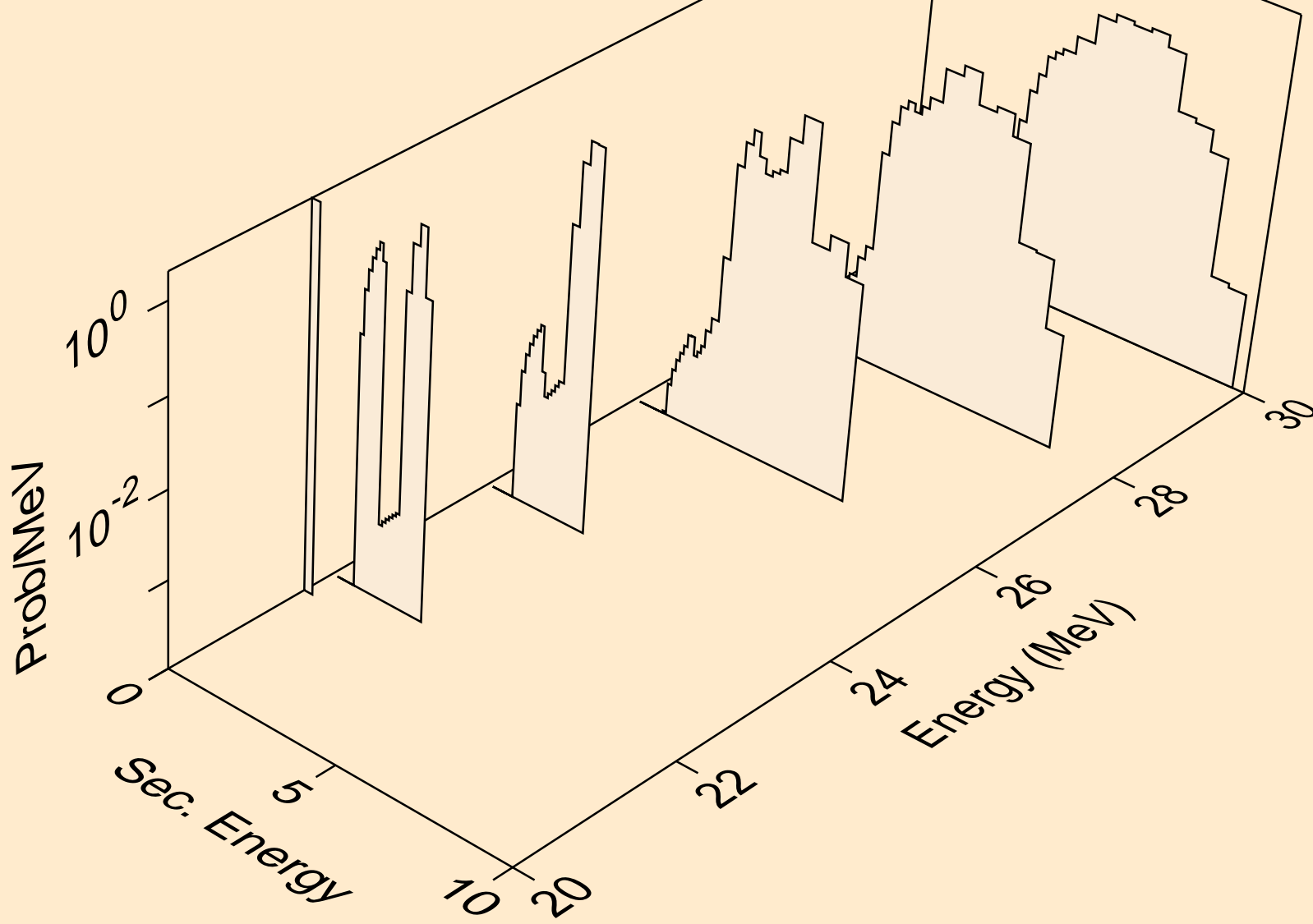
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



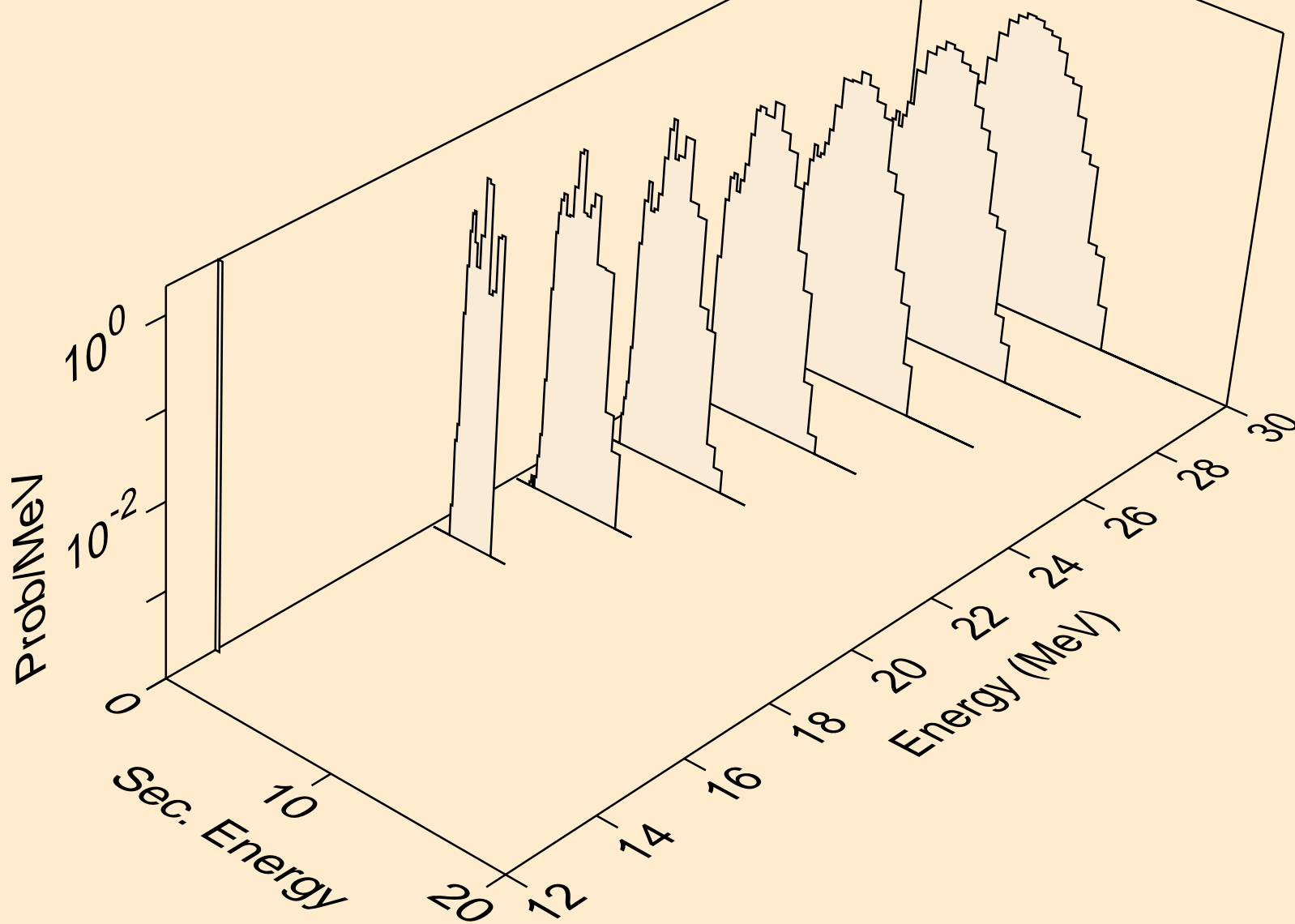
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



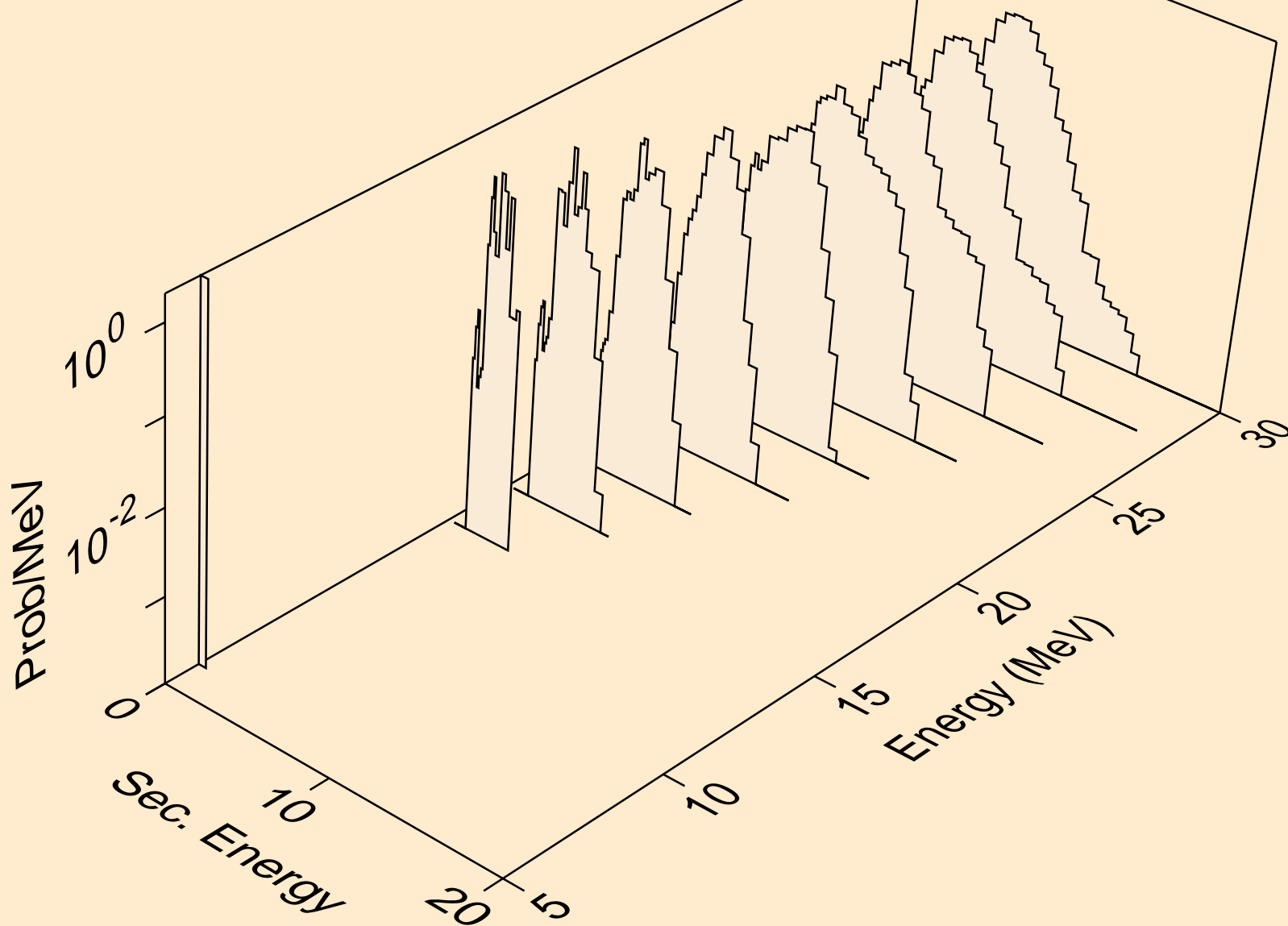
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)



SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)

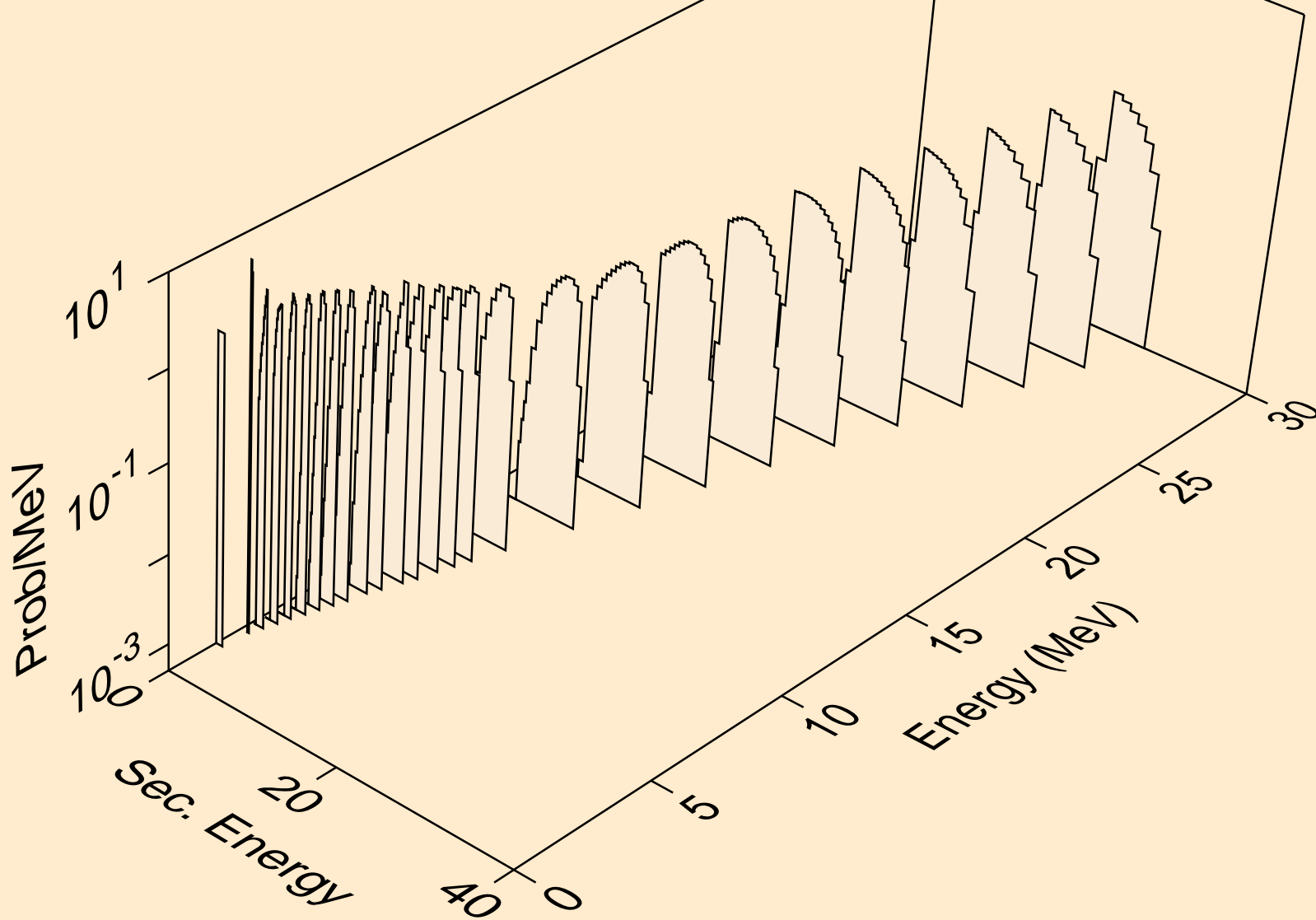


SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,npa)

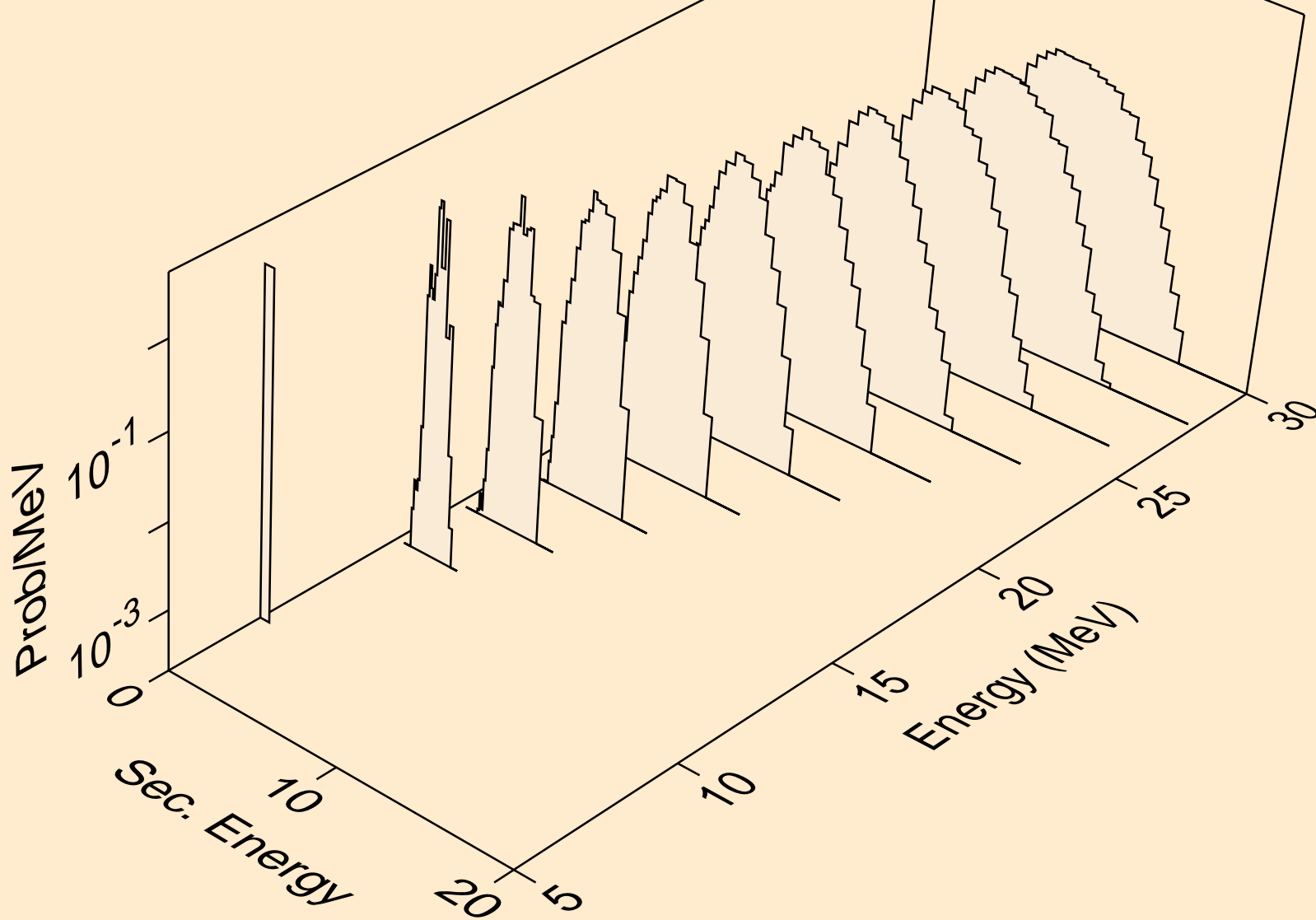




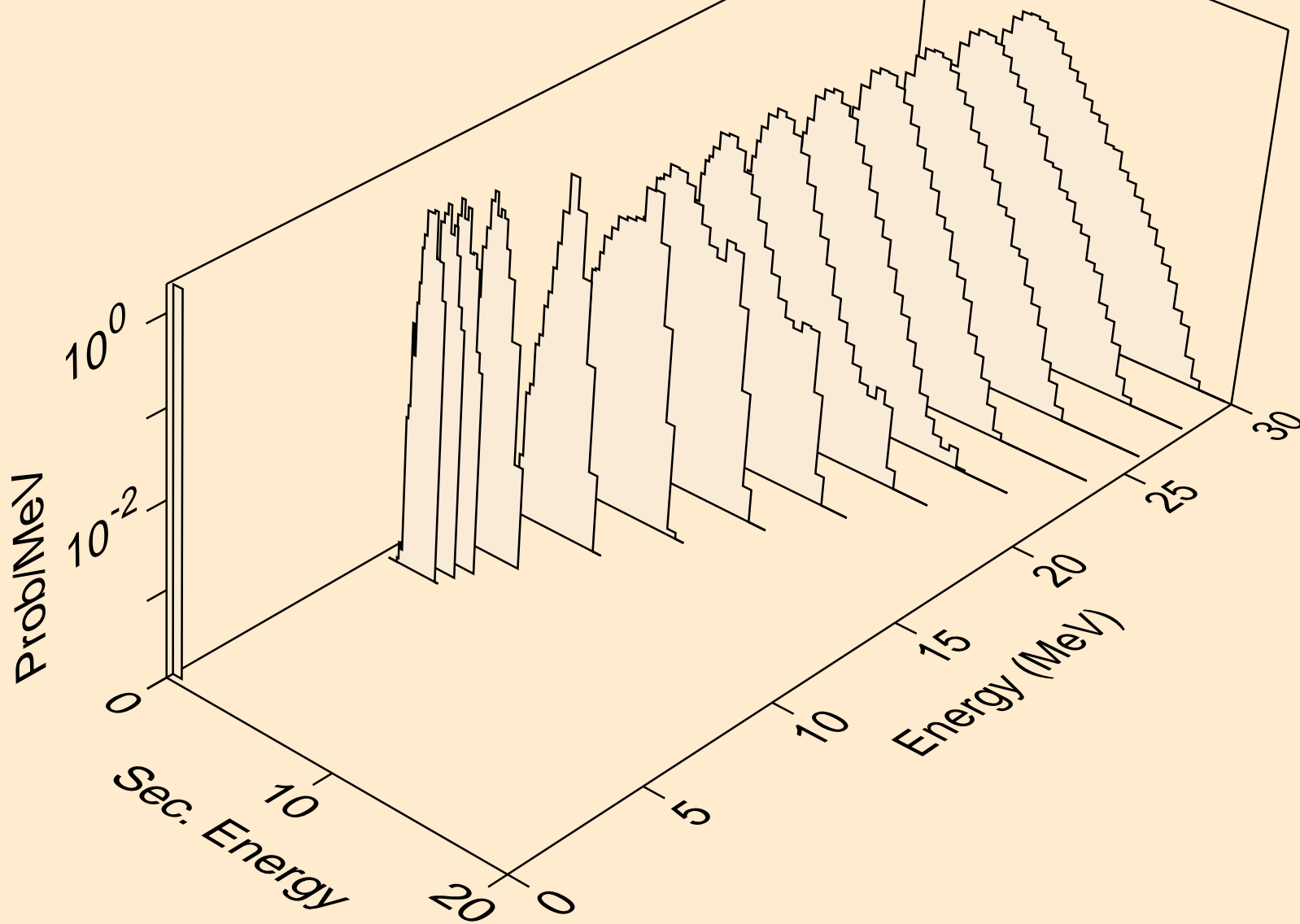
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



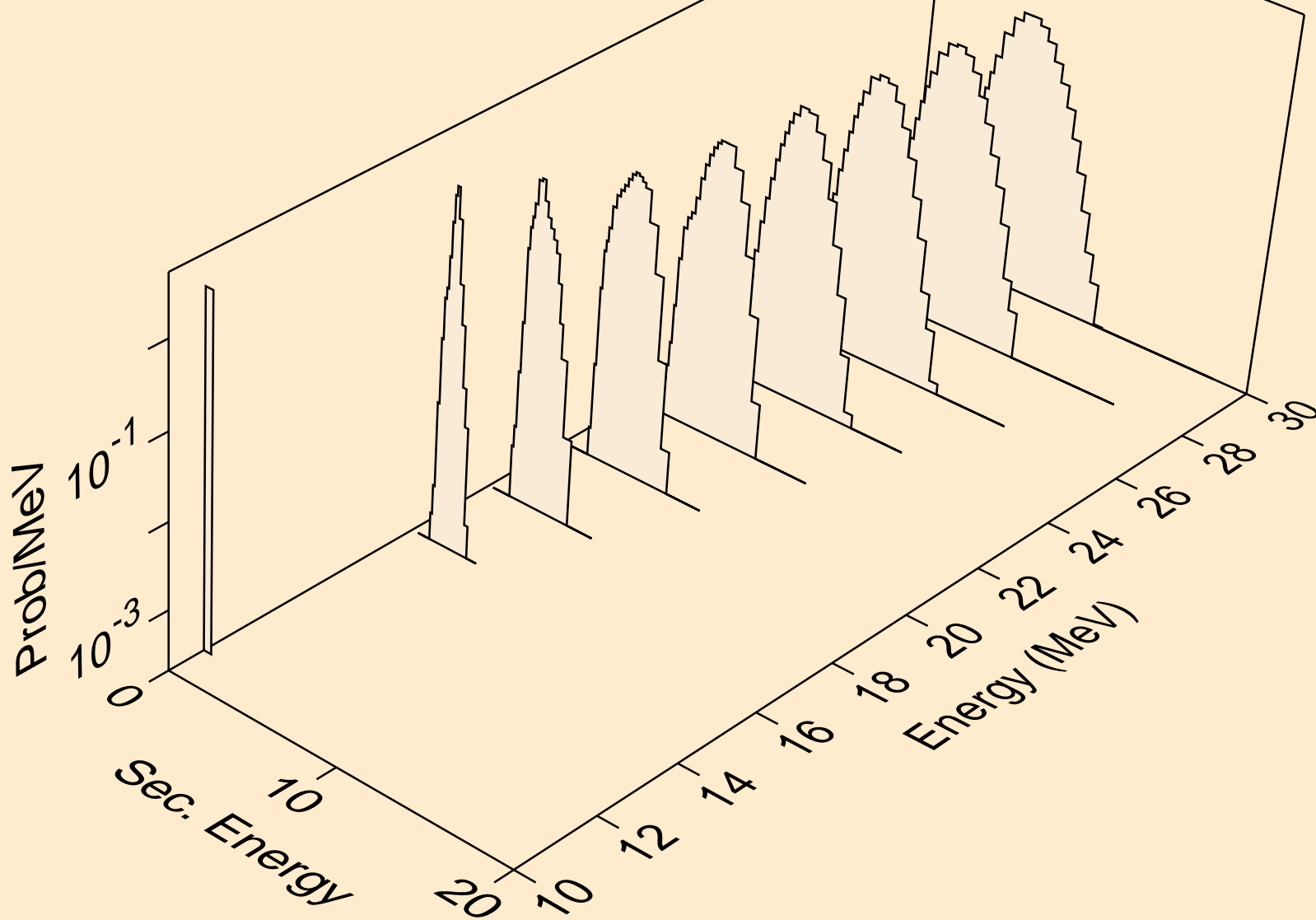
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)



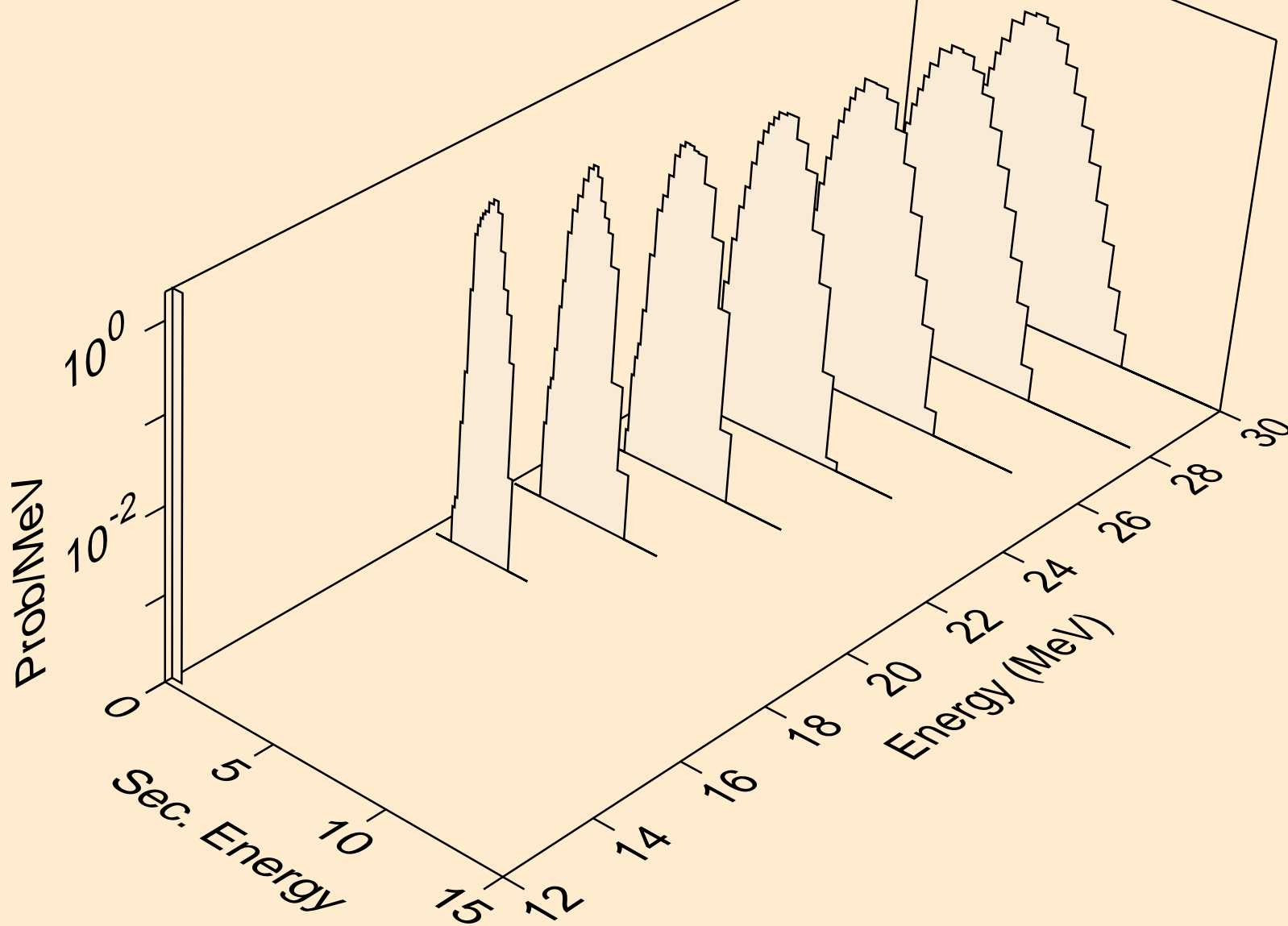
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



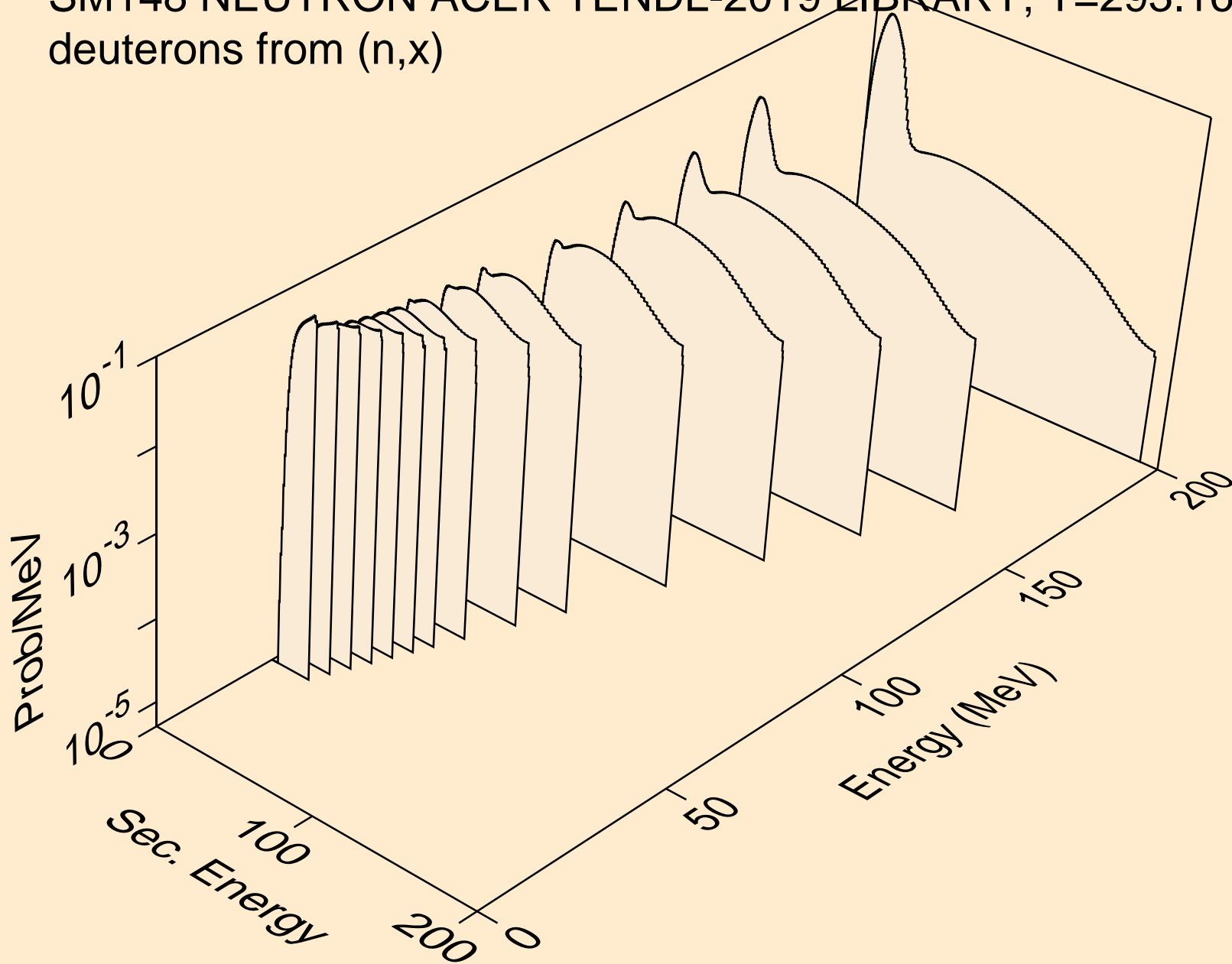
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pd)



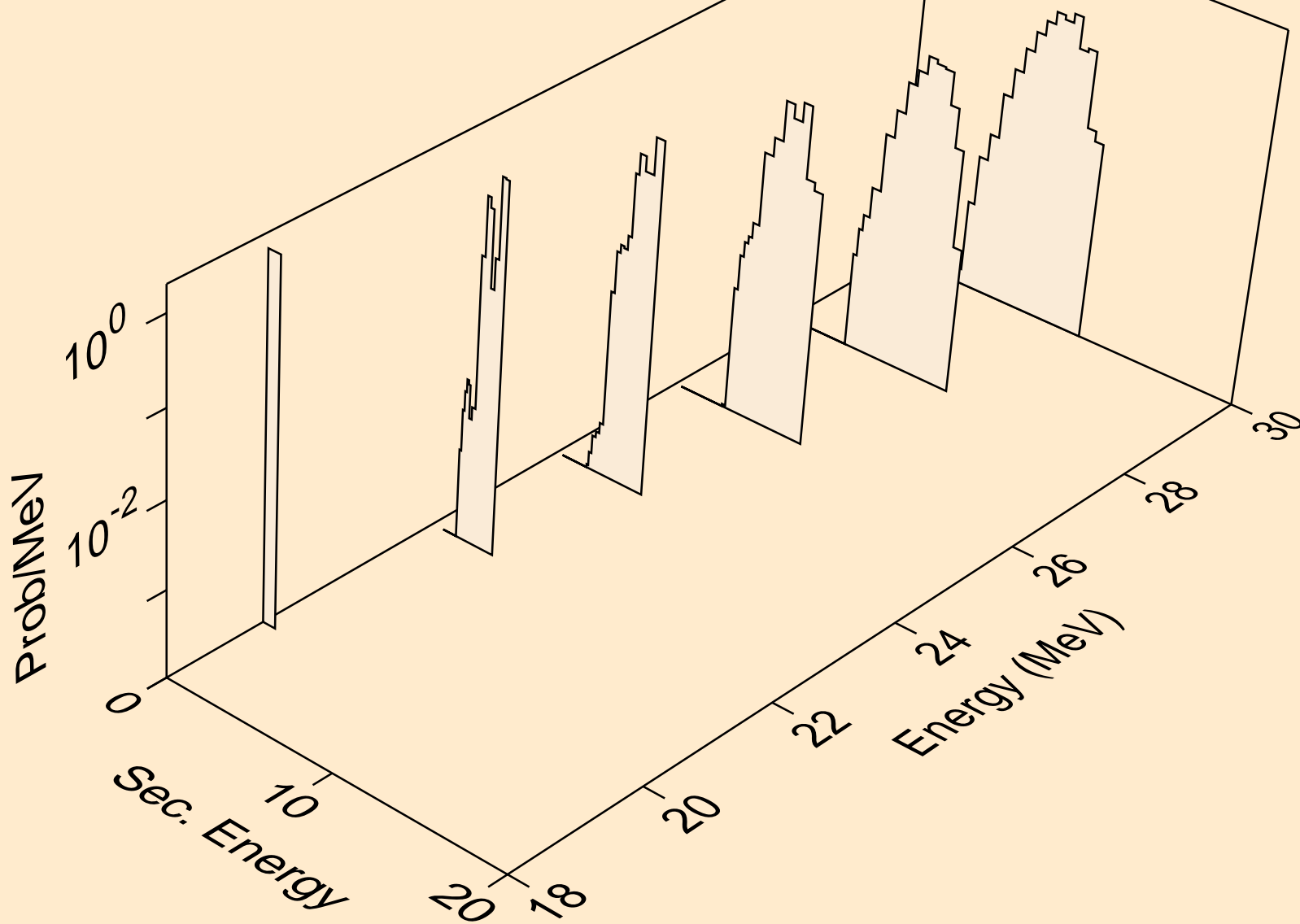
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pt)



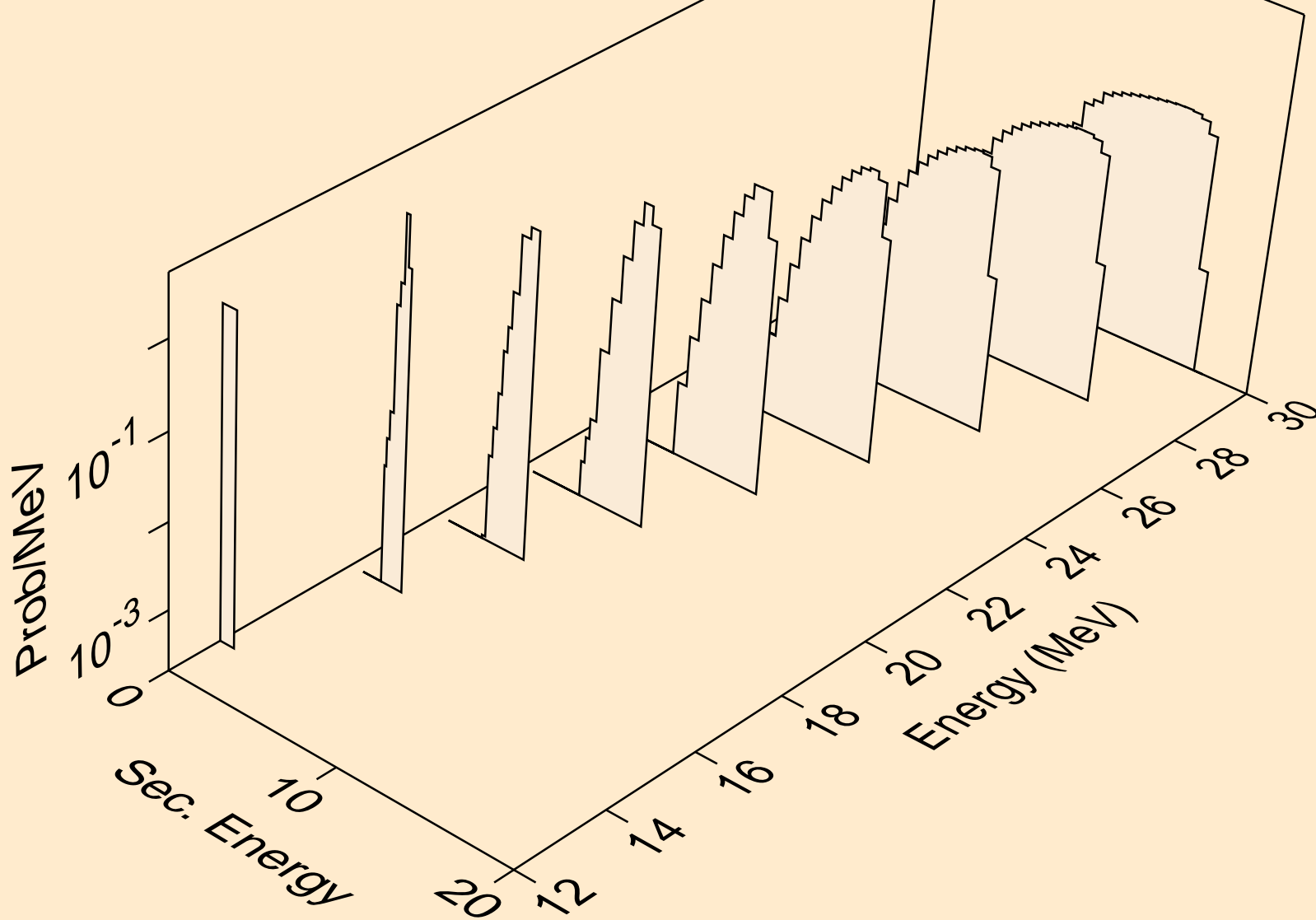
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)



SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)

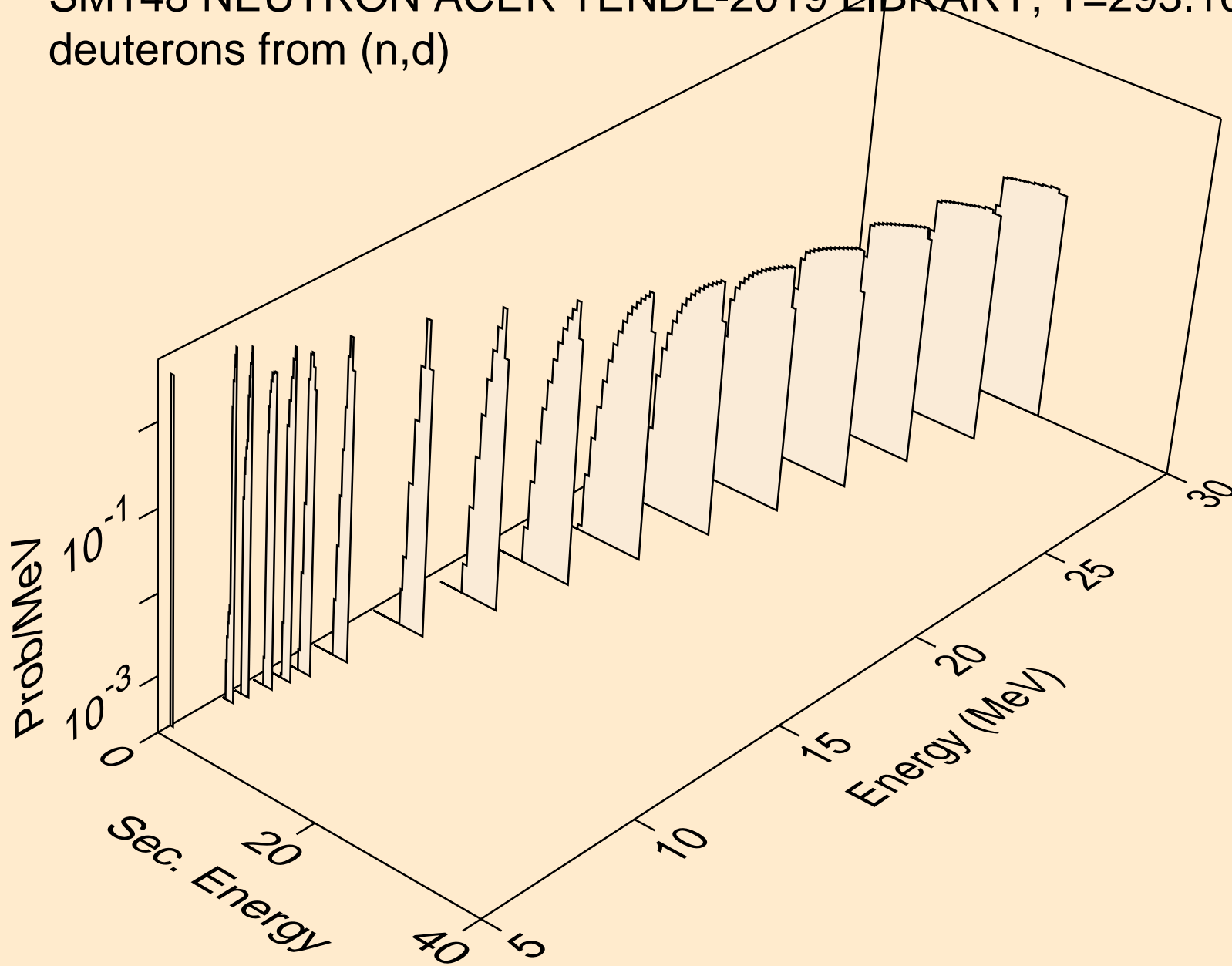


SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d

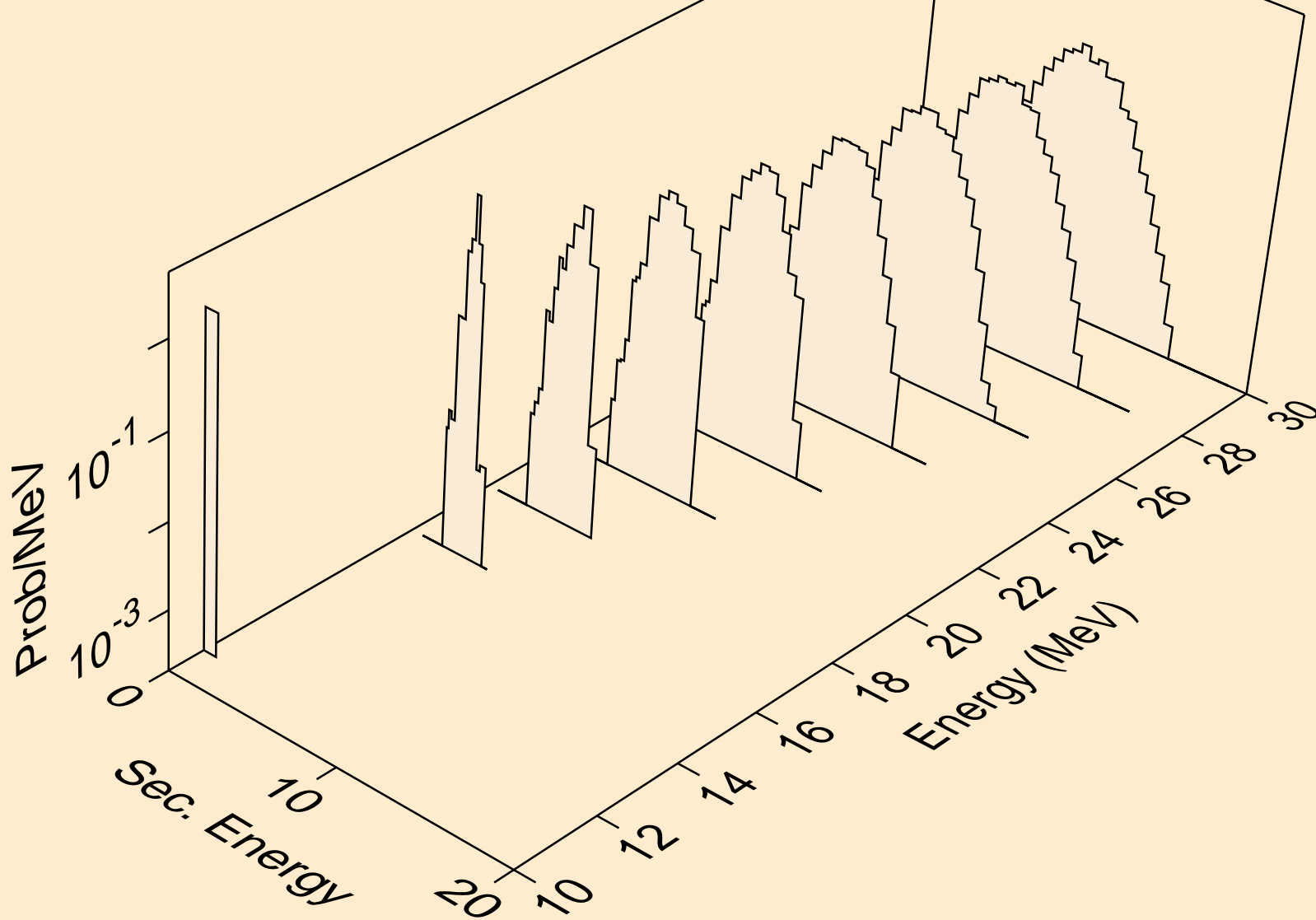




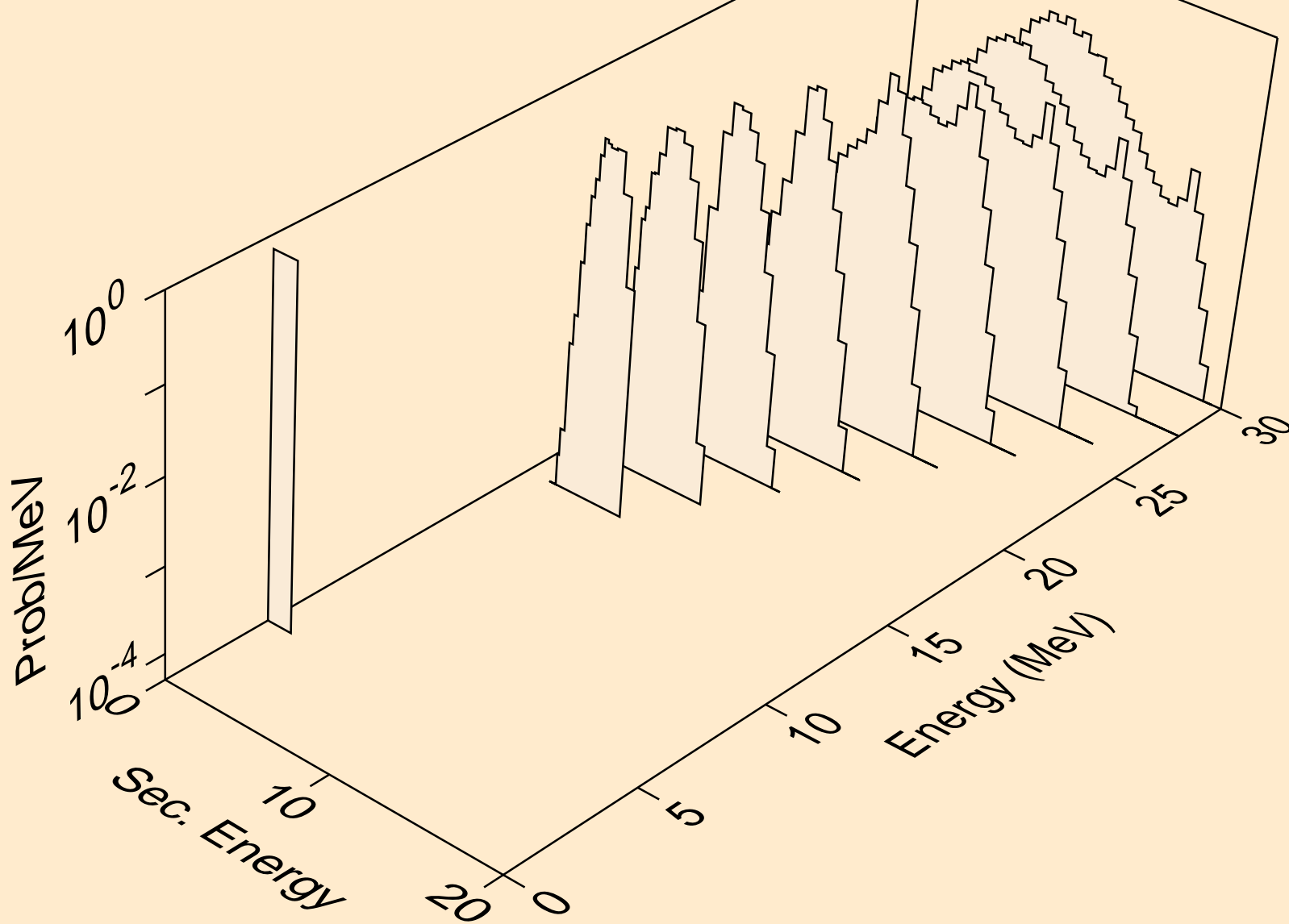
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)



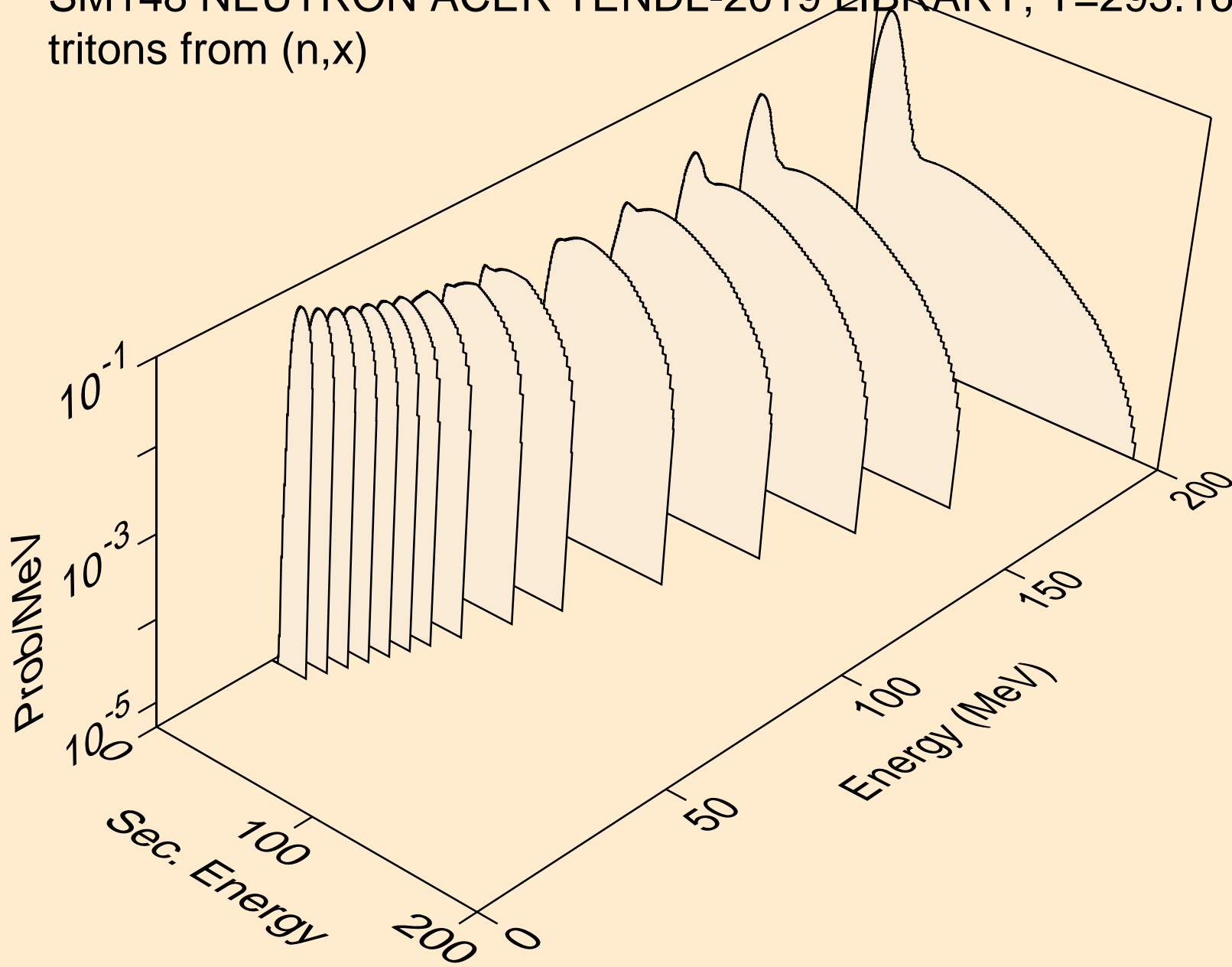
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,pd)



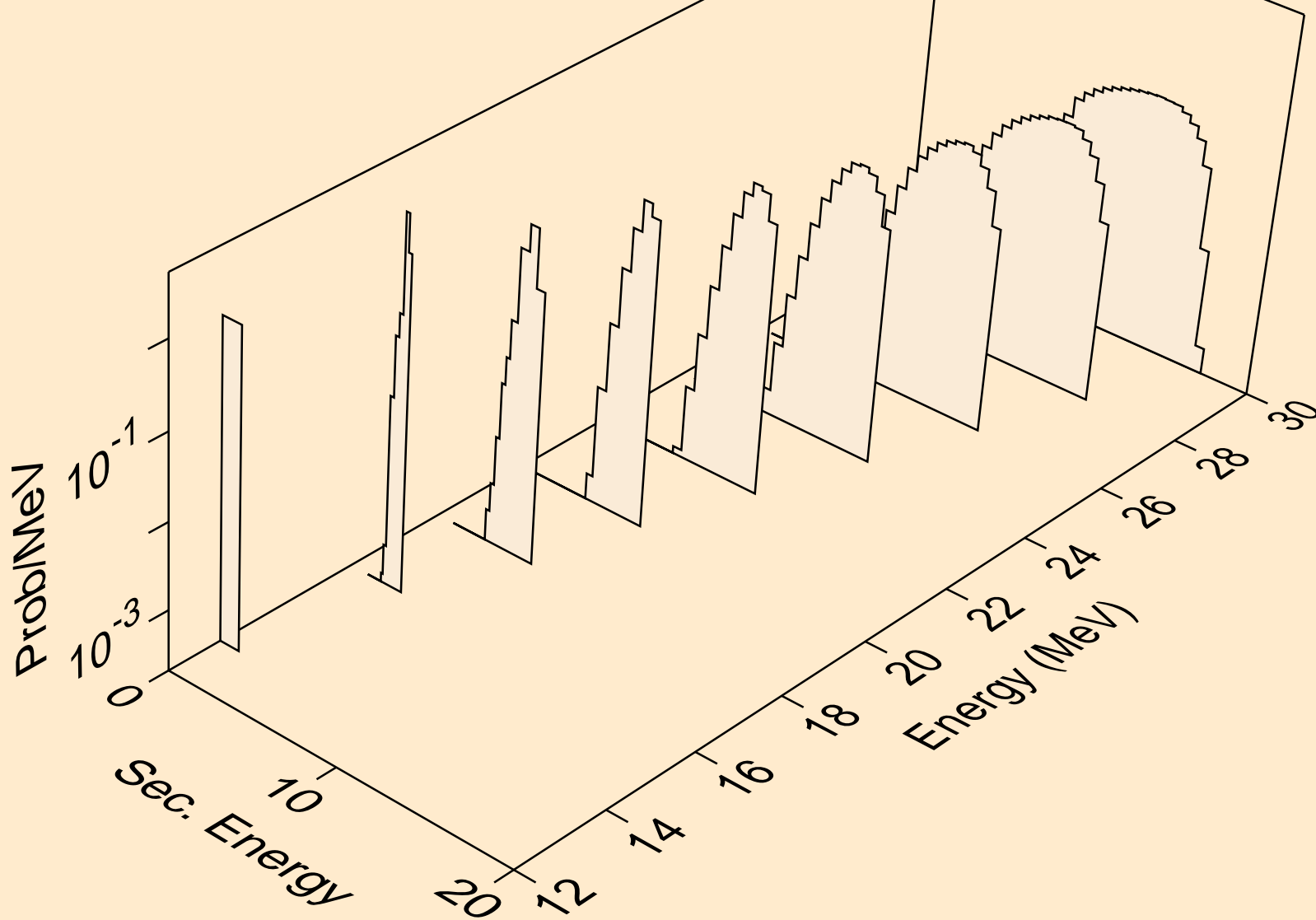
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,da)



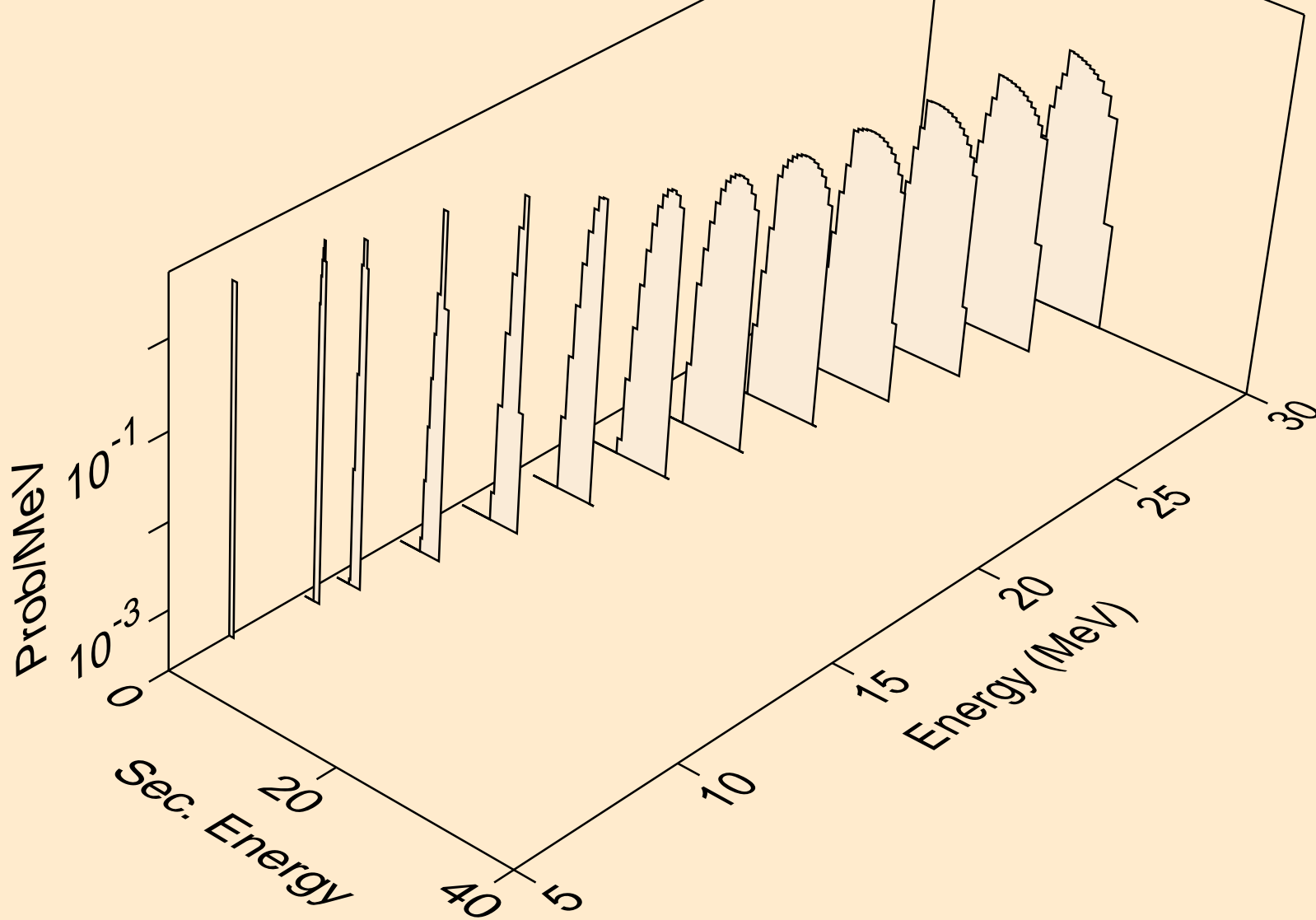
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)



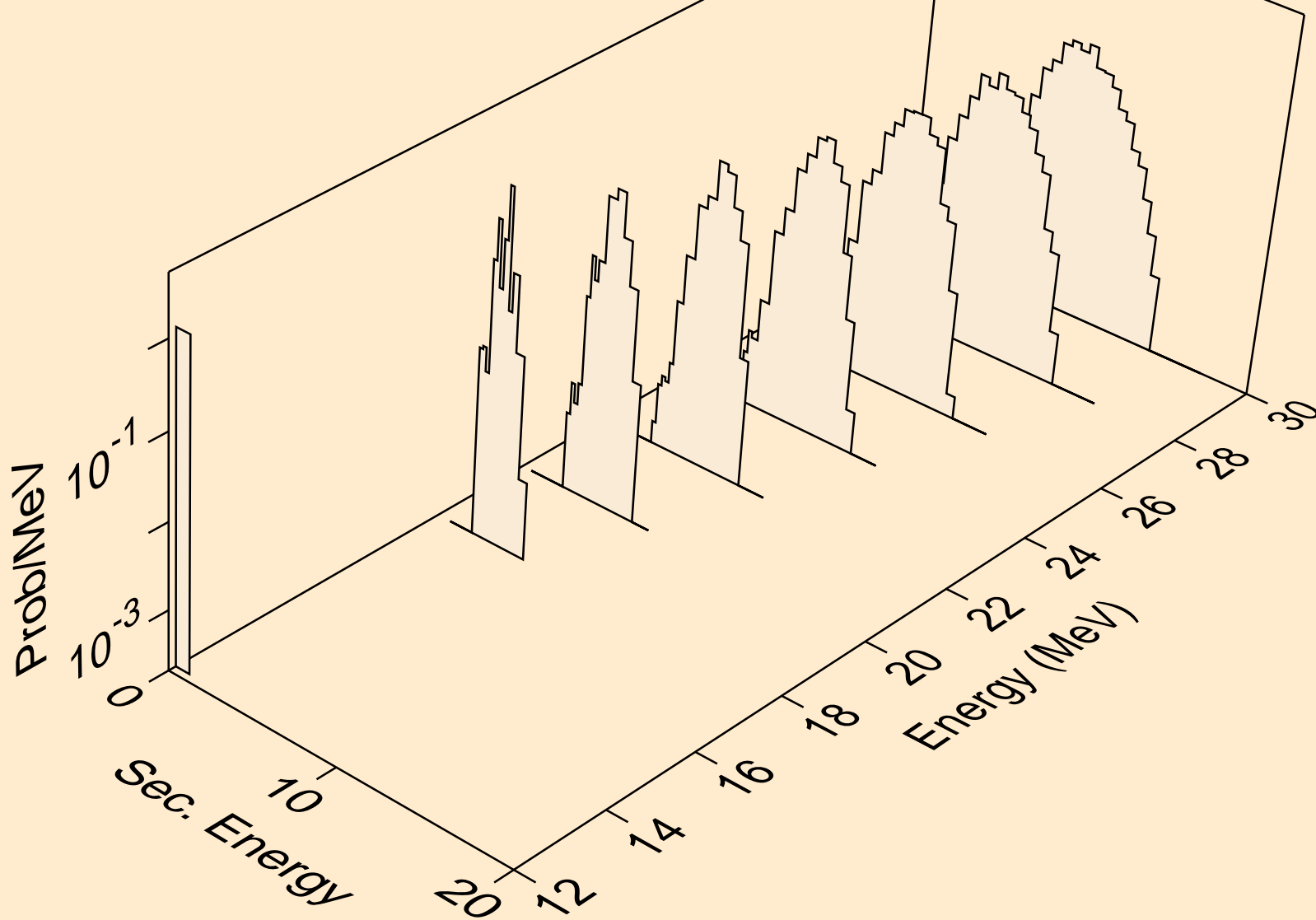
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



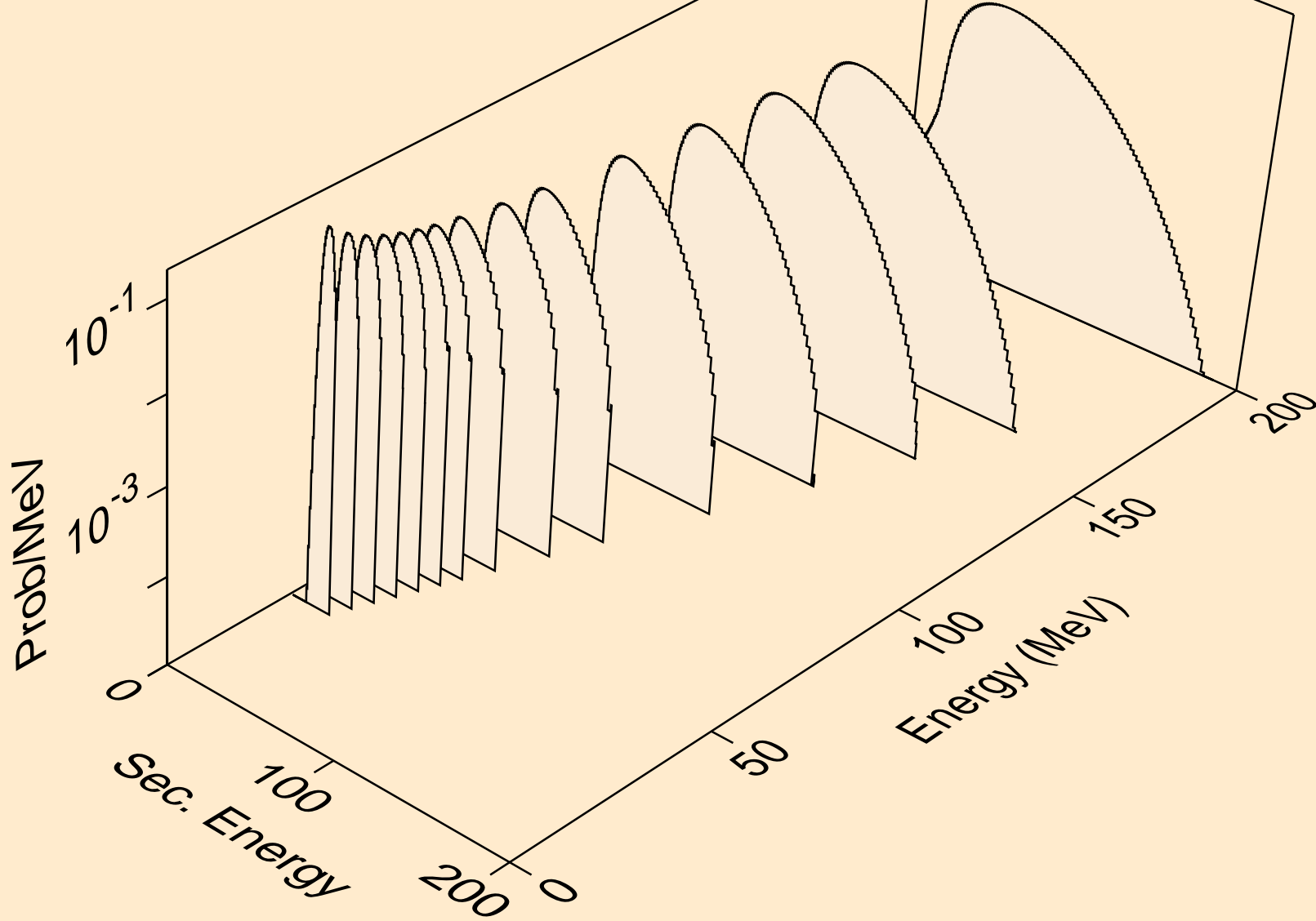
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)



SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,pt)

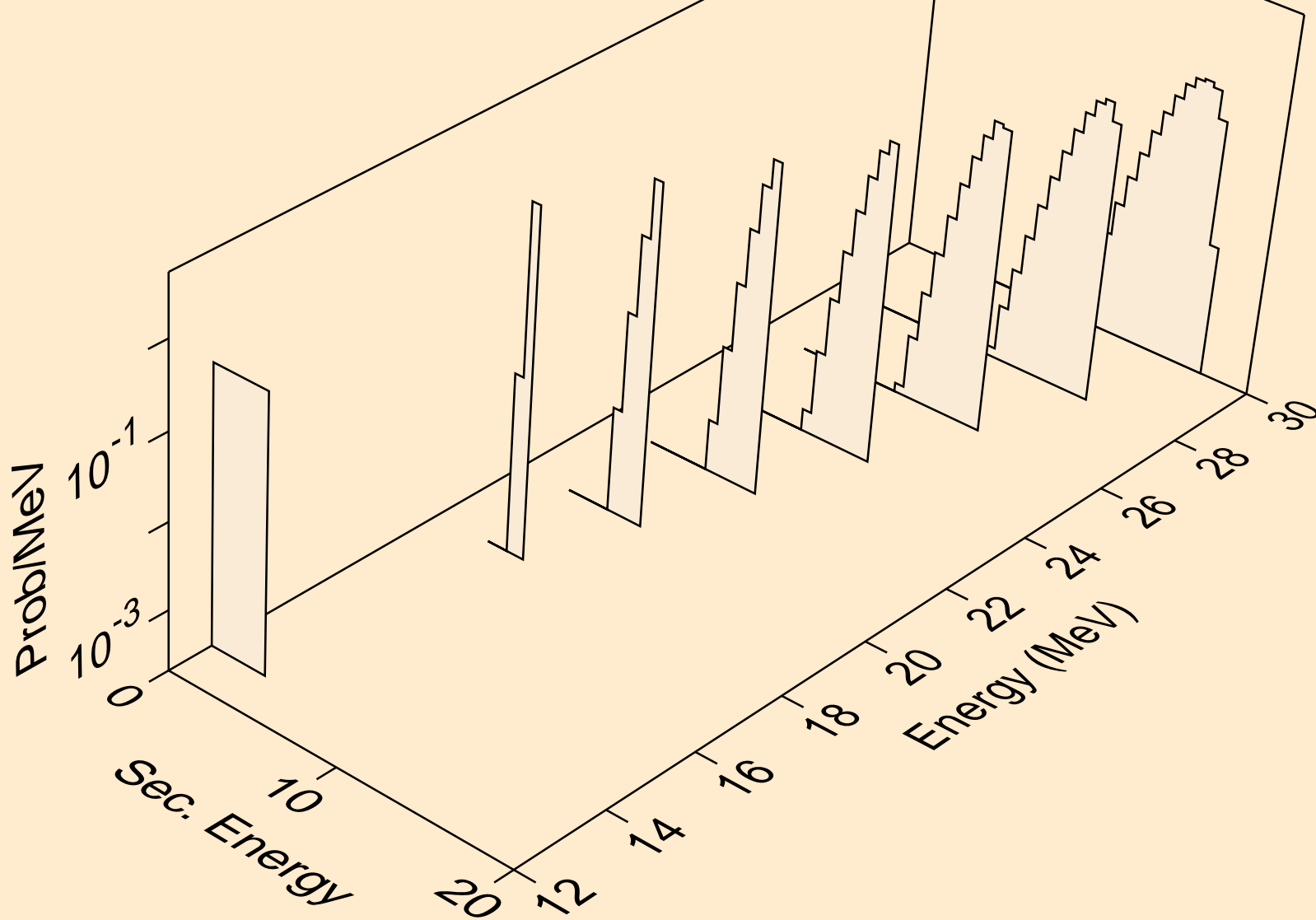


SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)

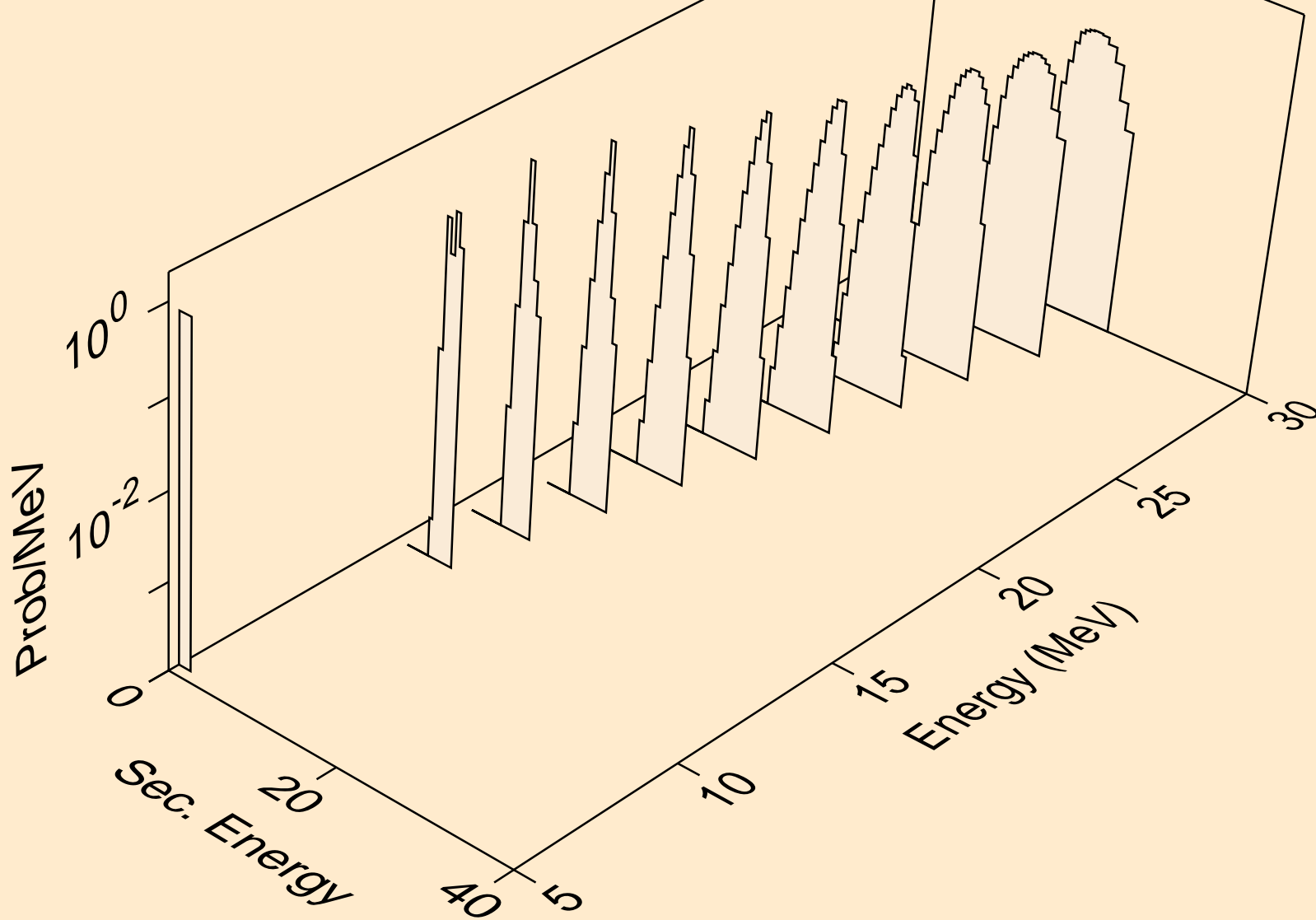




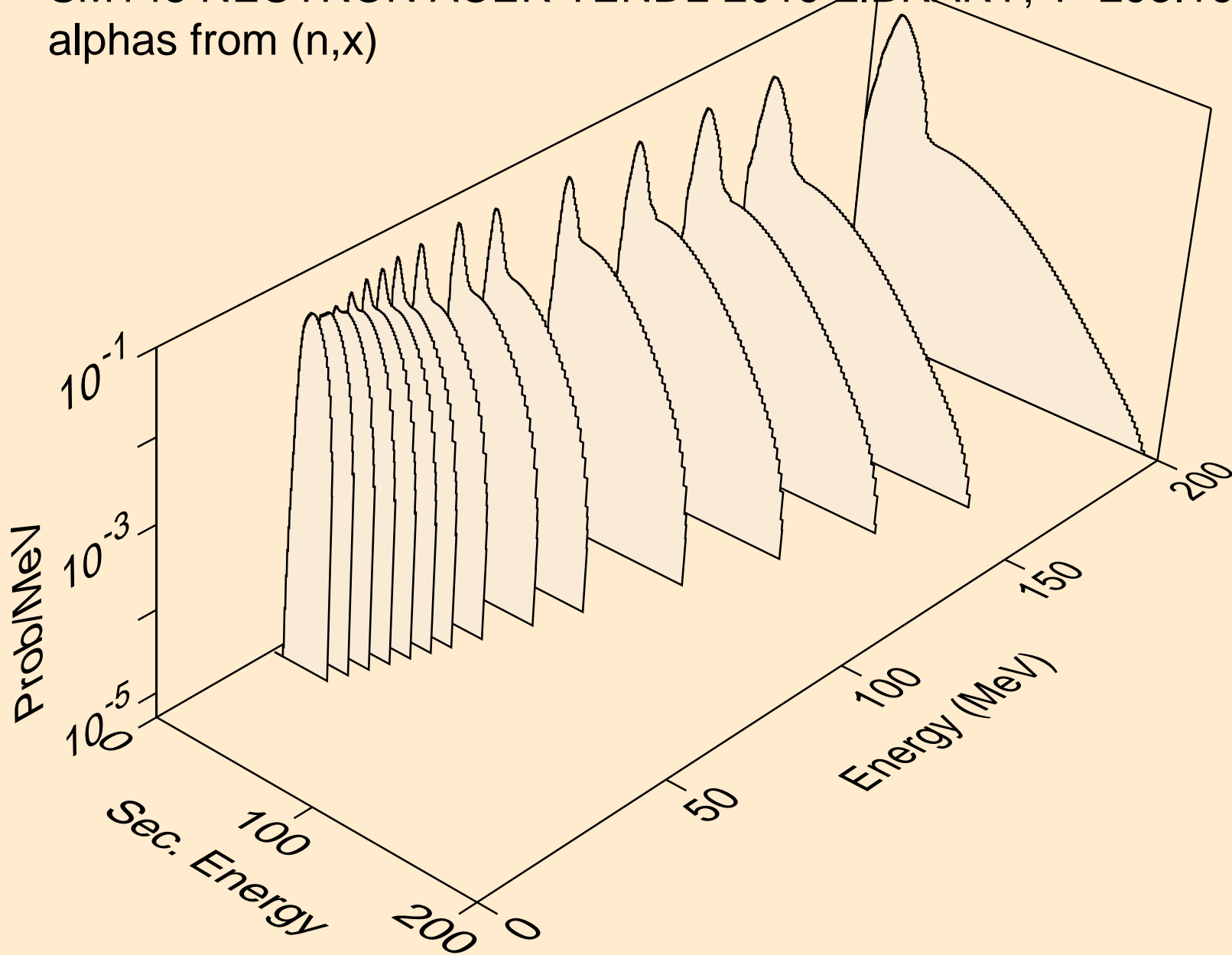
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3



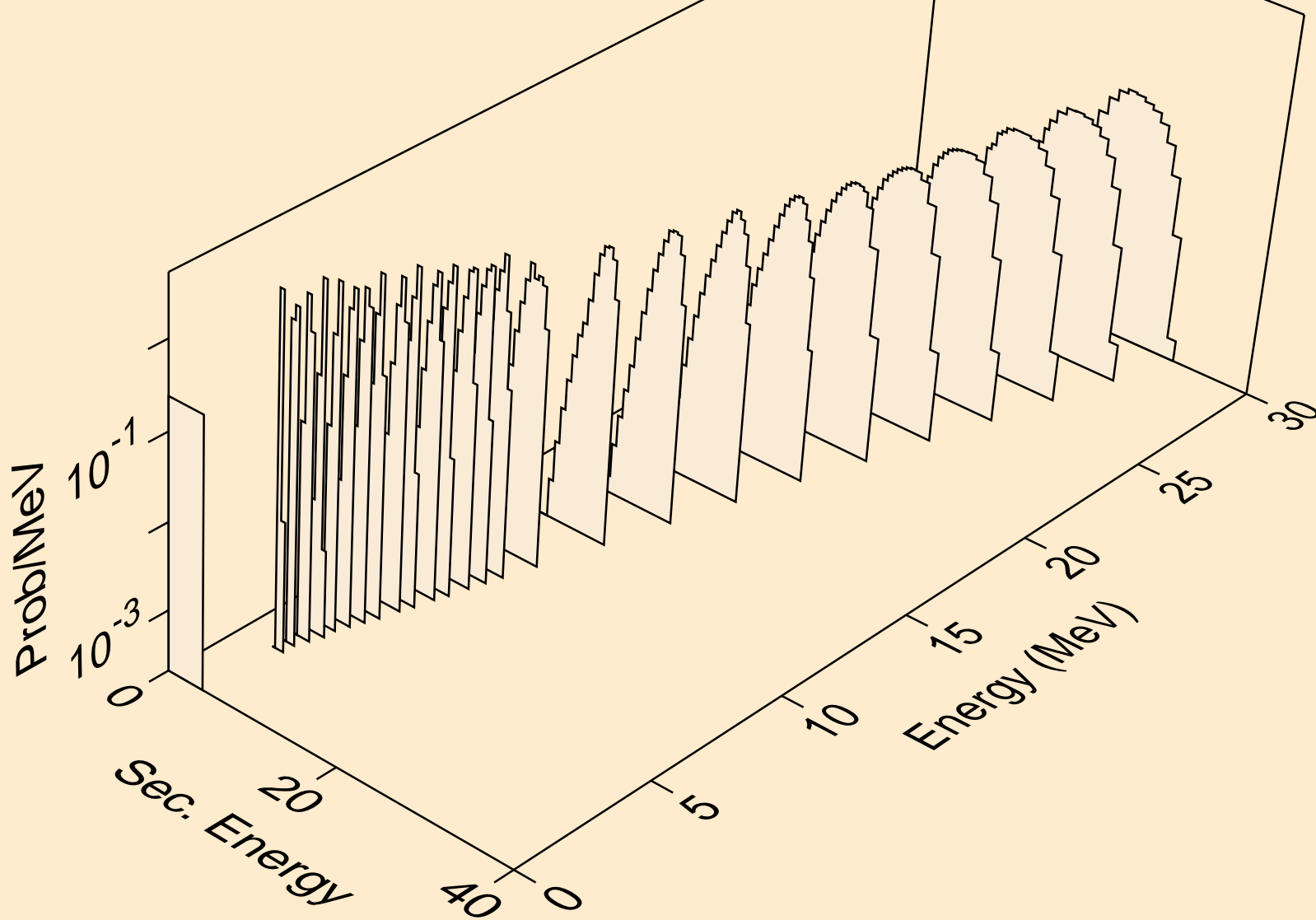
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he3s from (n,he3)



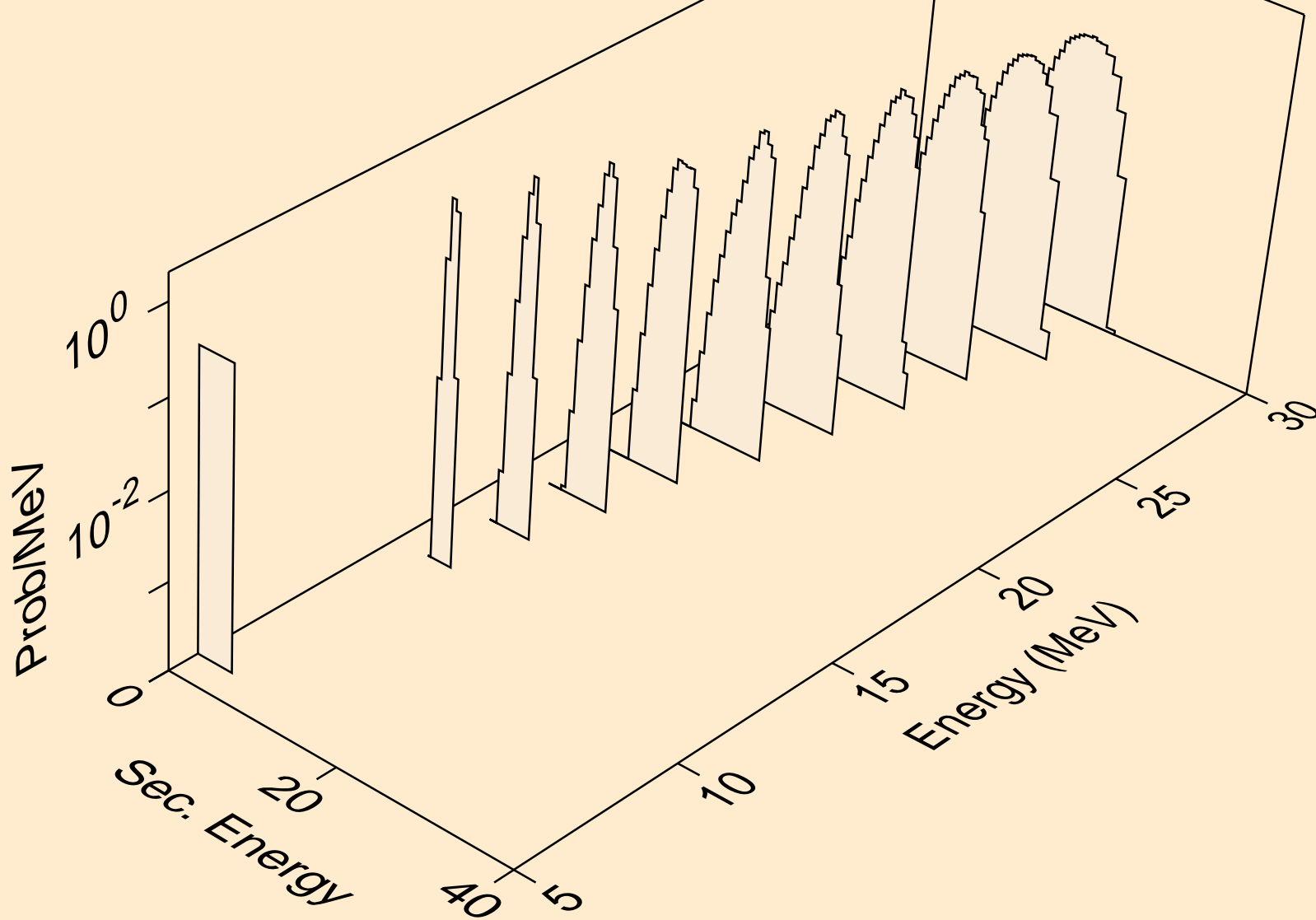
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)



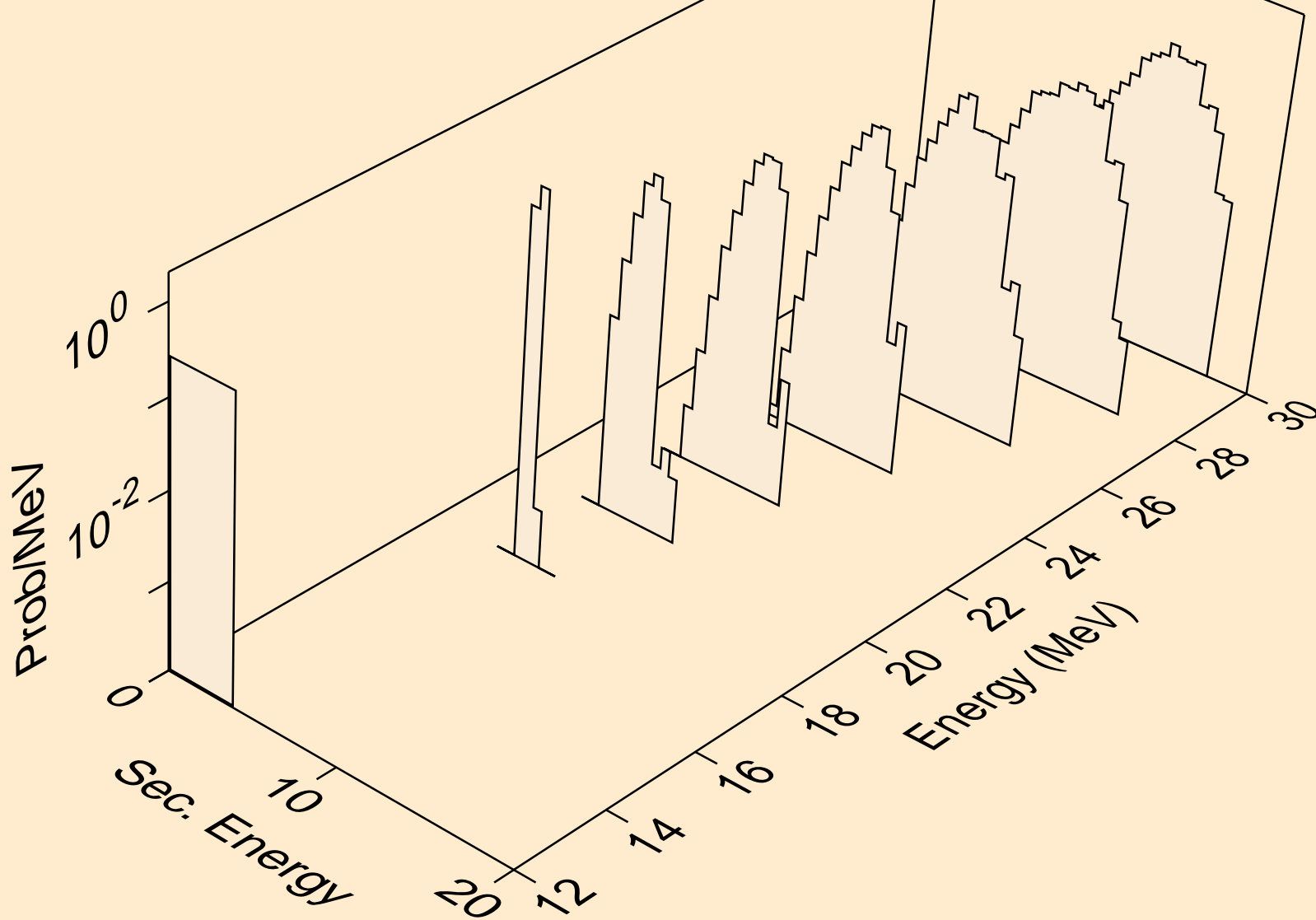
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a



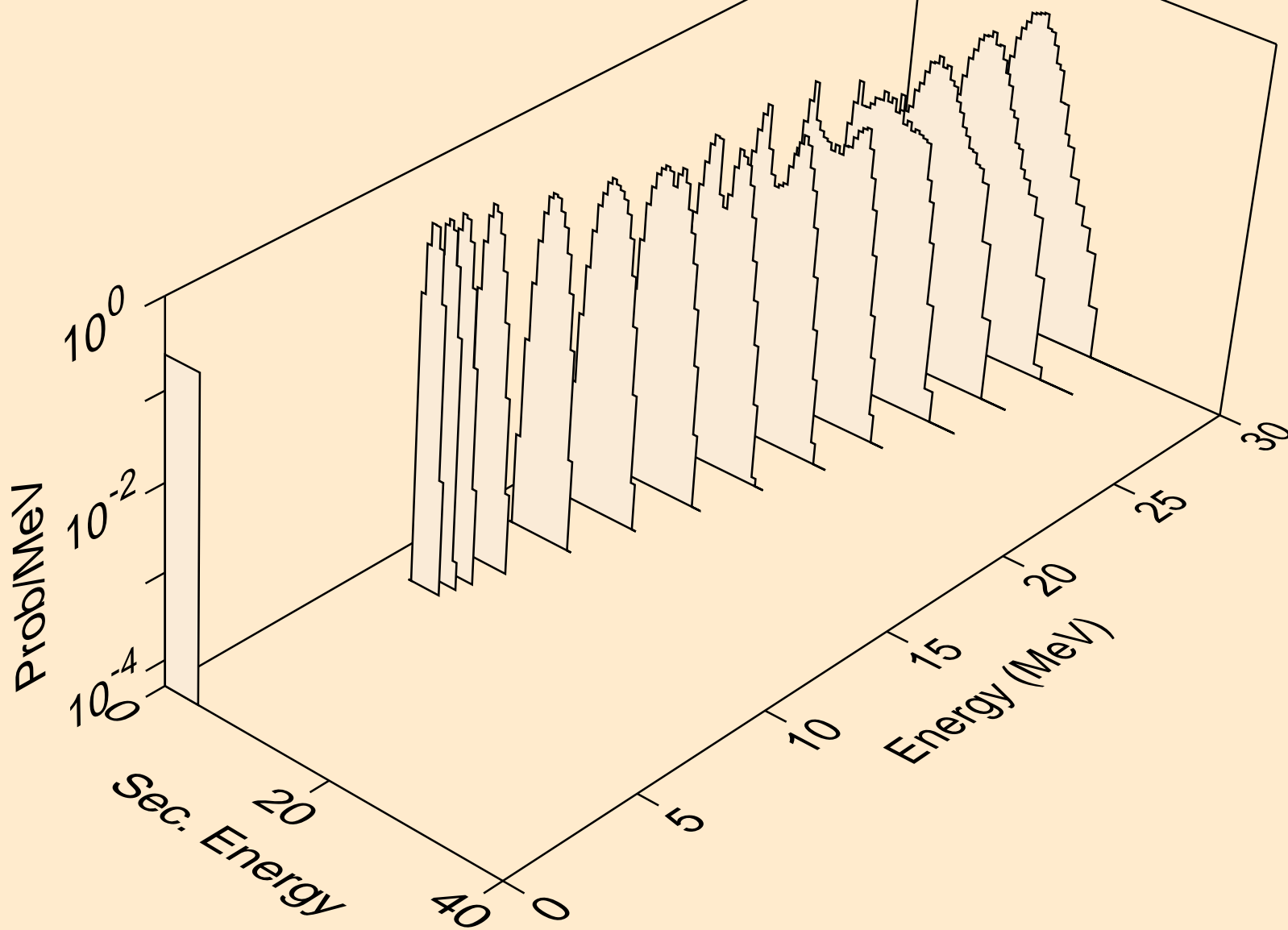
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



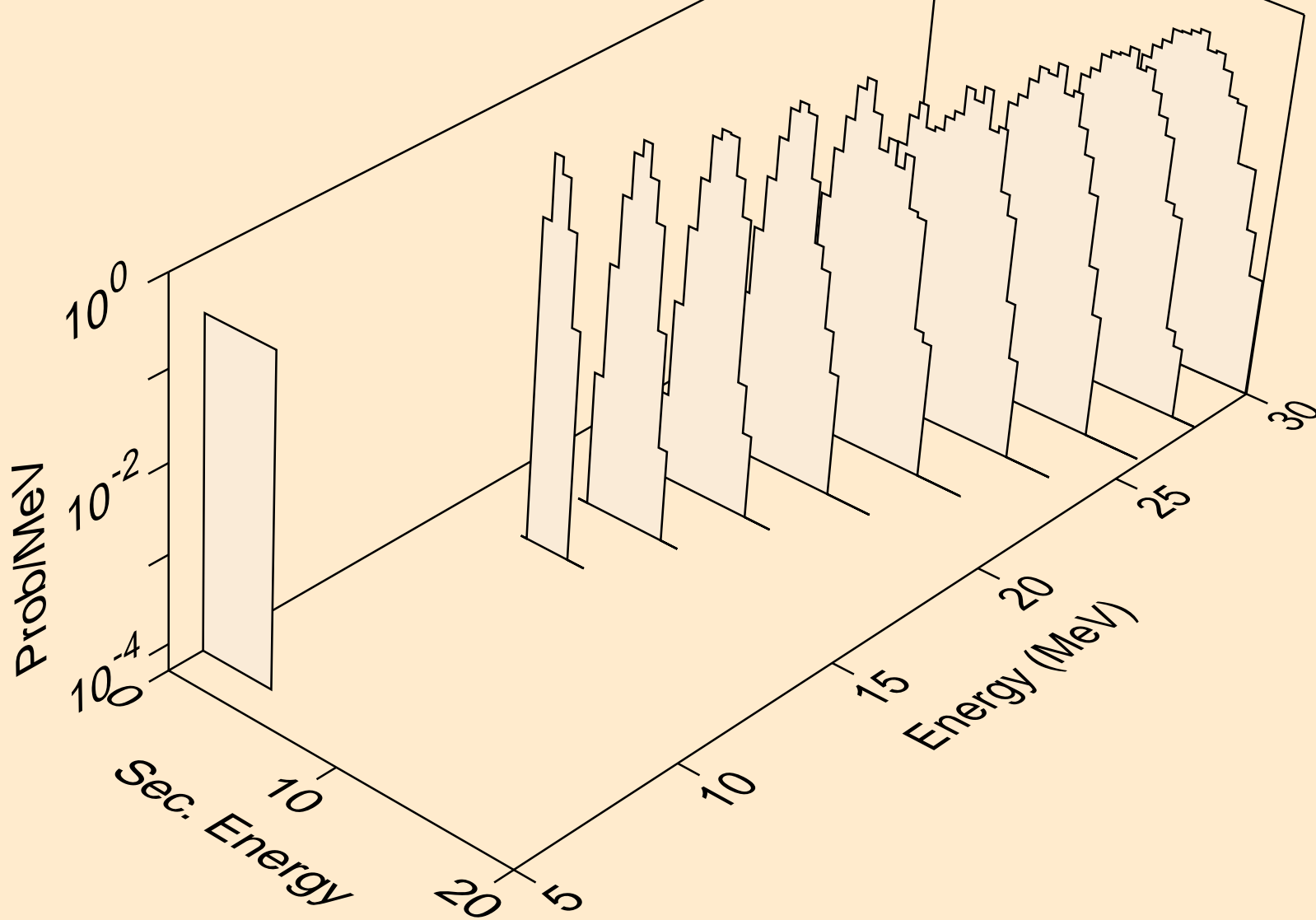
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a

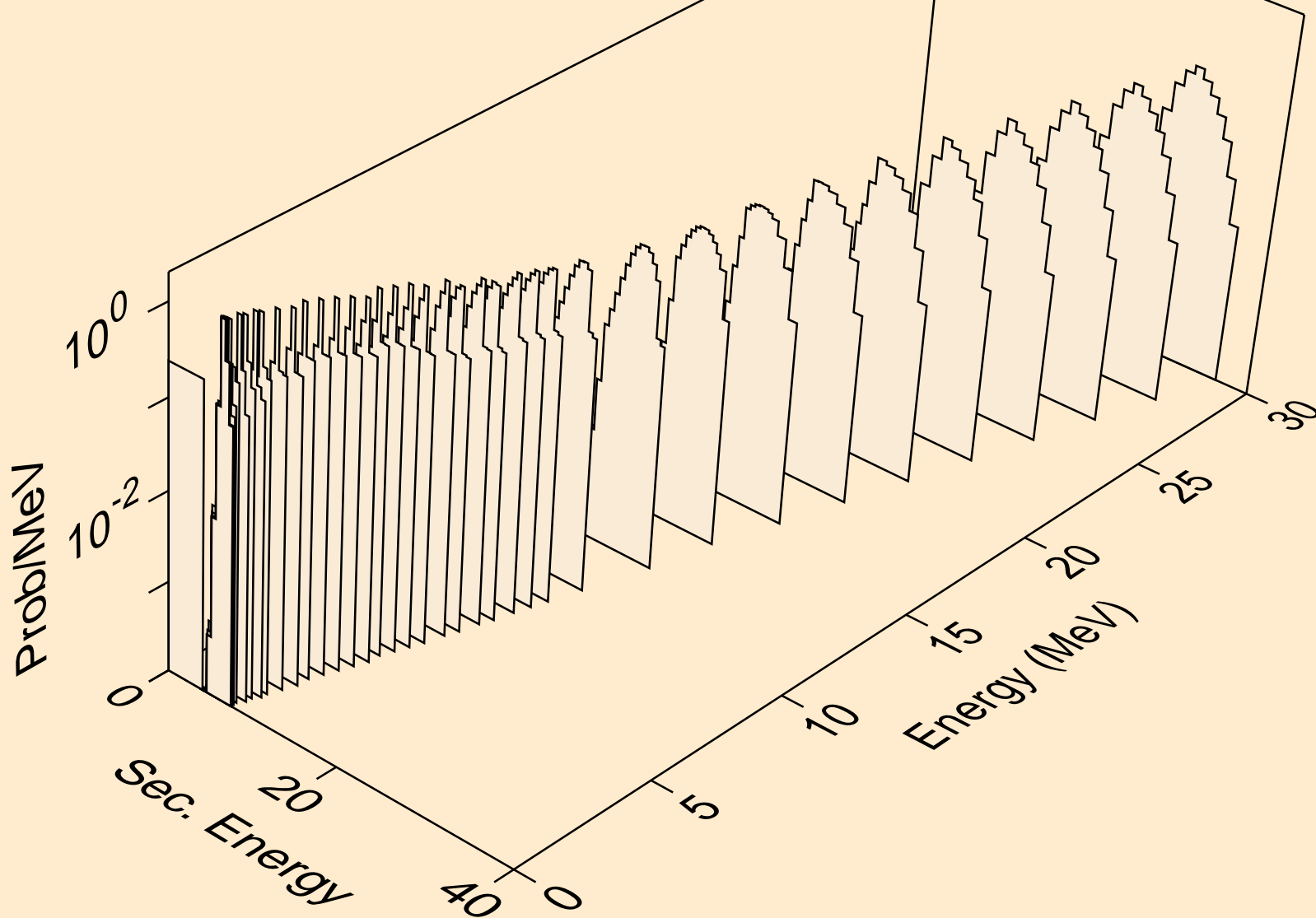


SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)

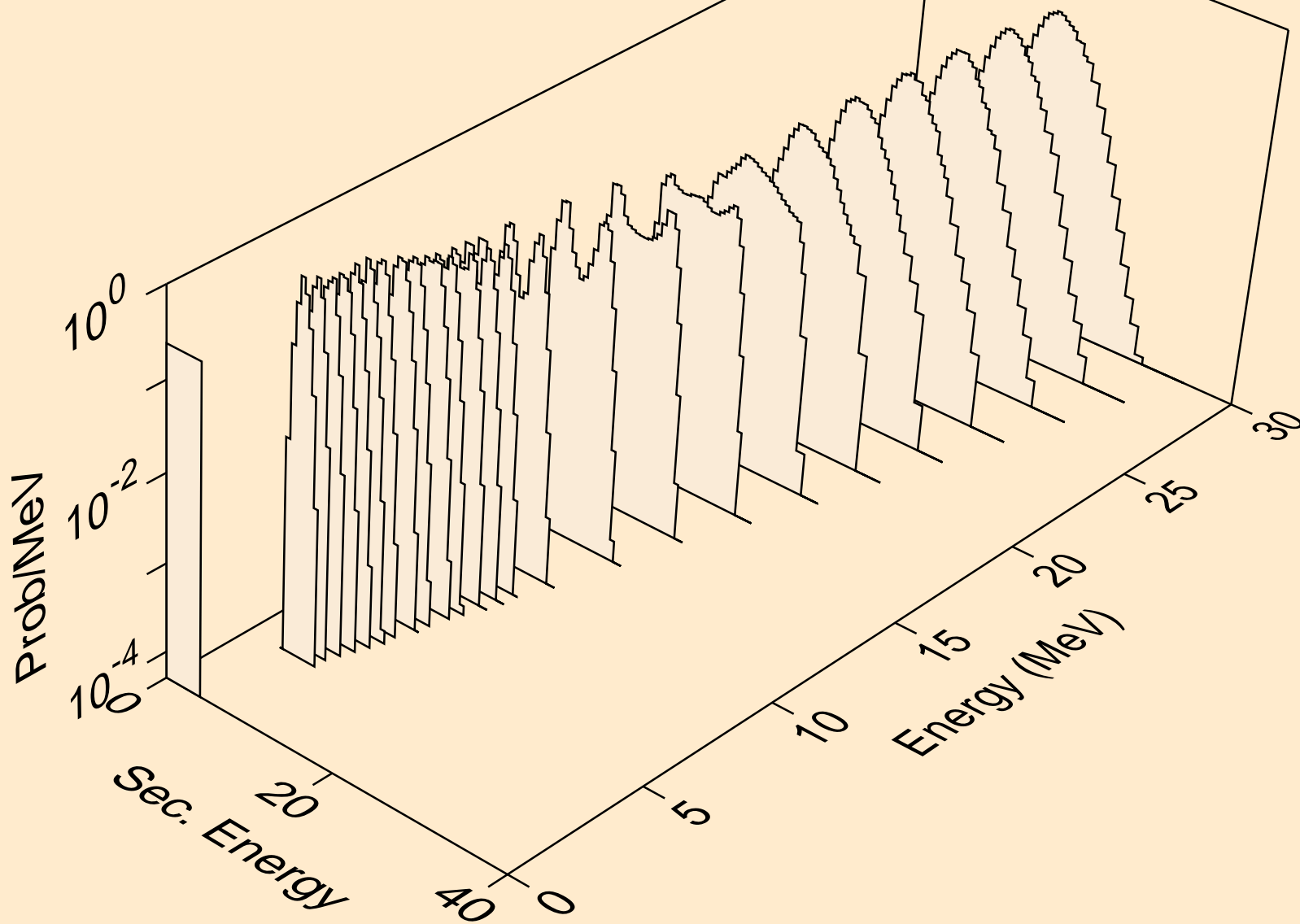




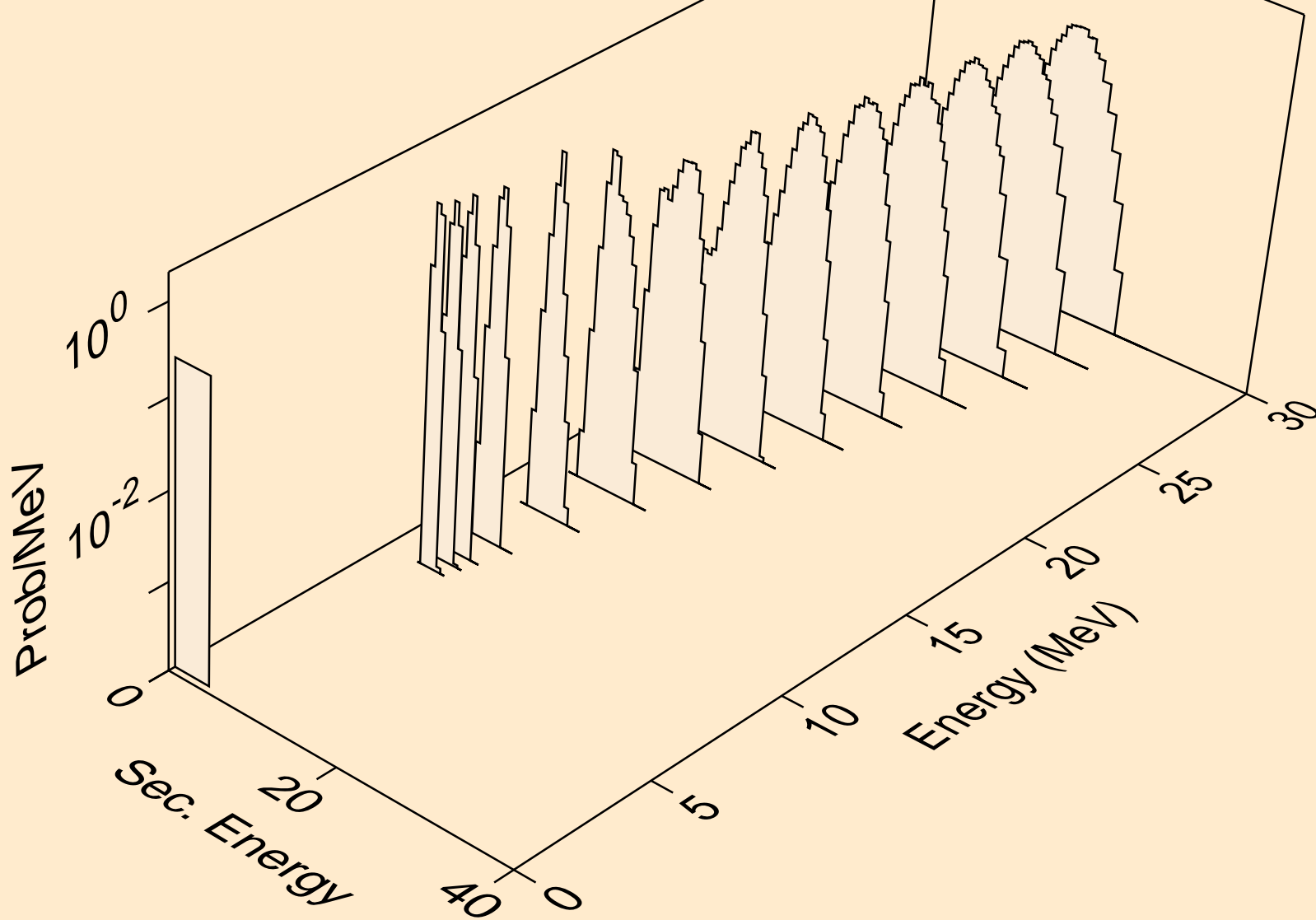
SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)



SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



SM148 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

