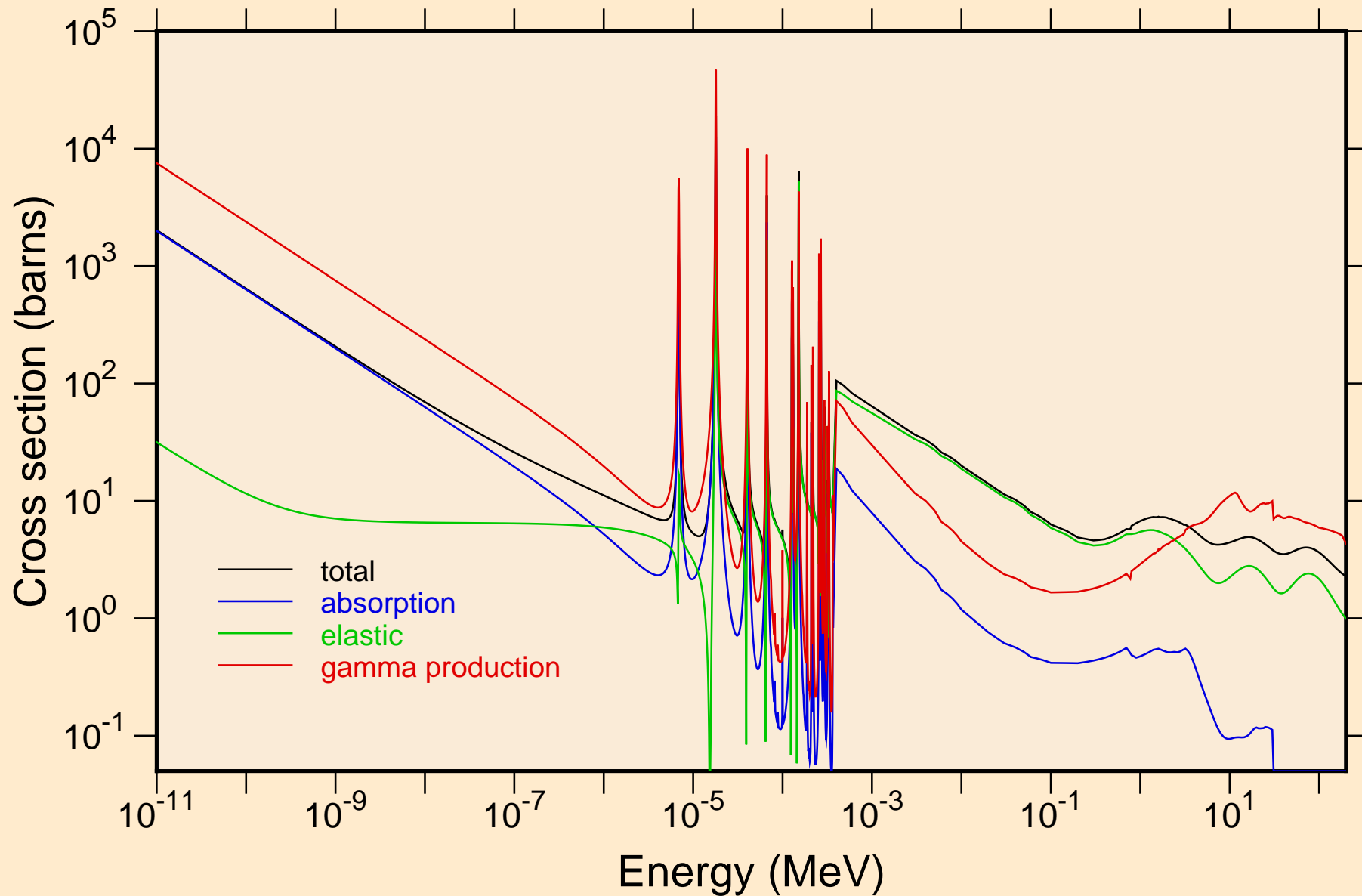
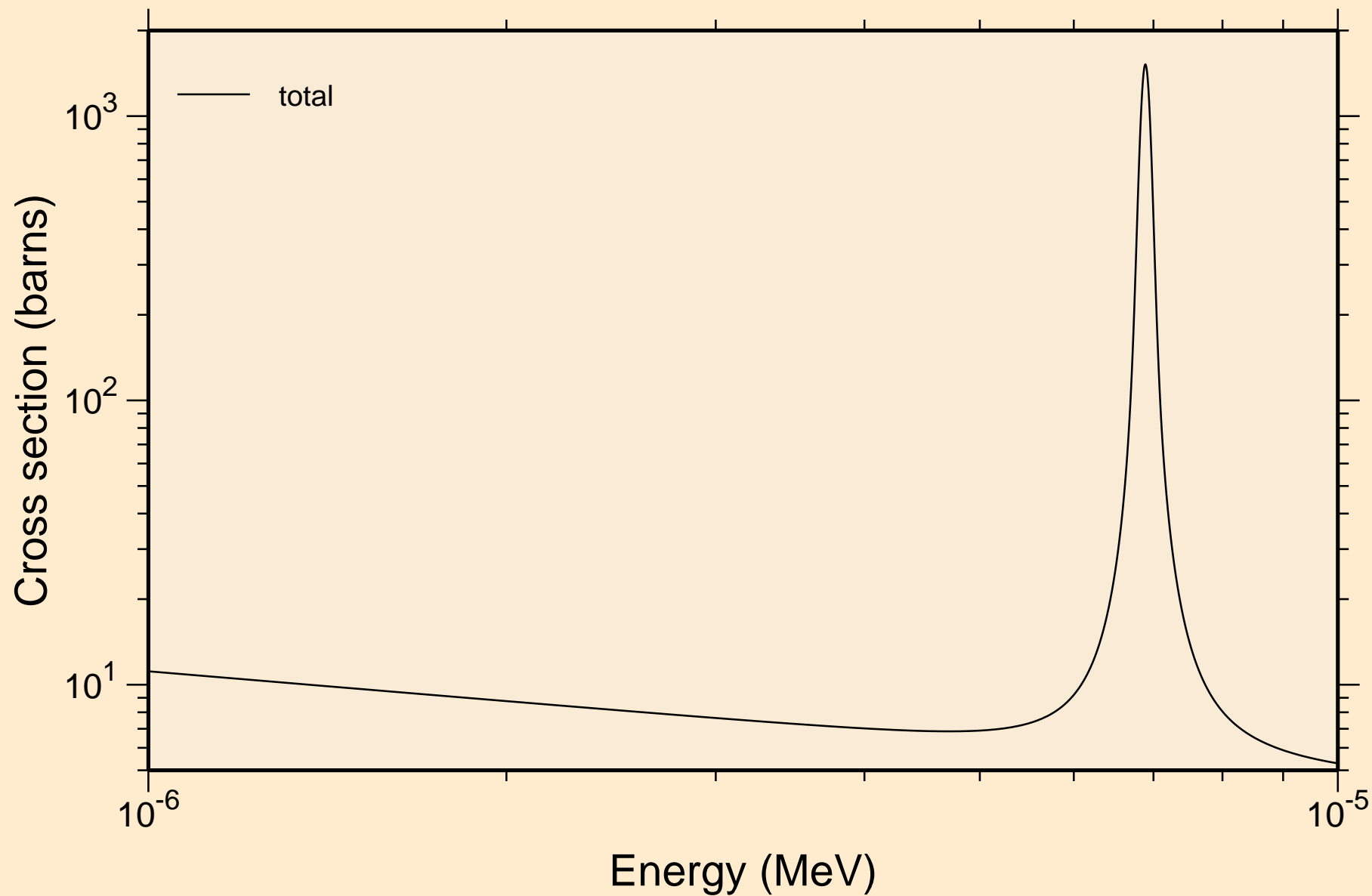


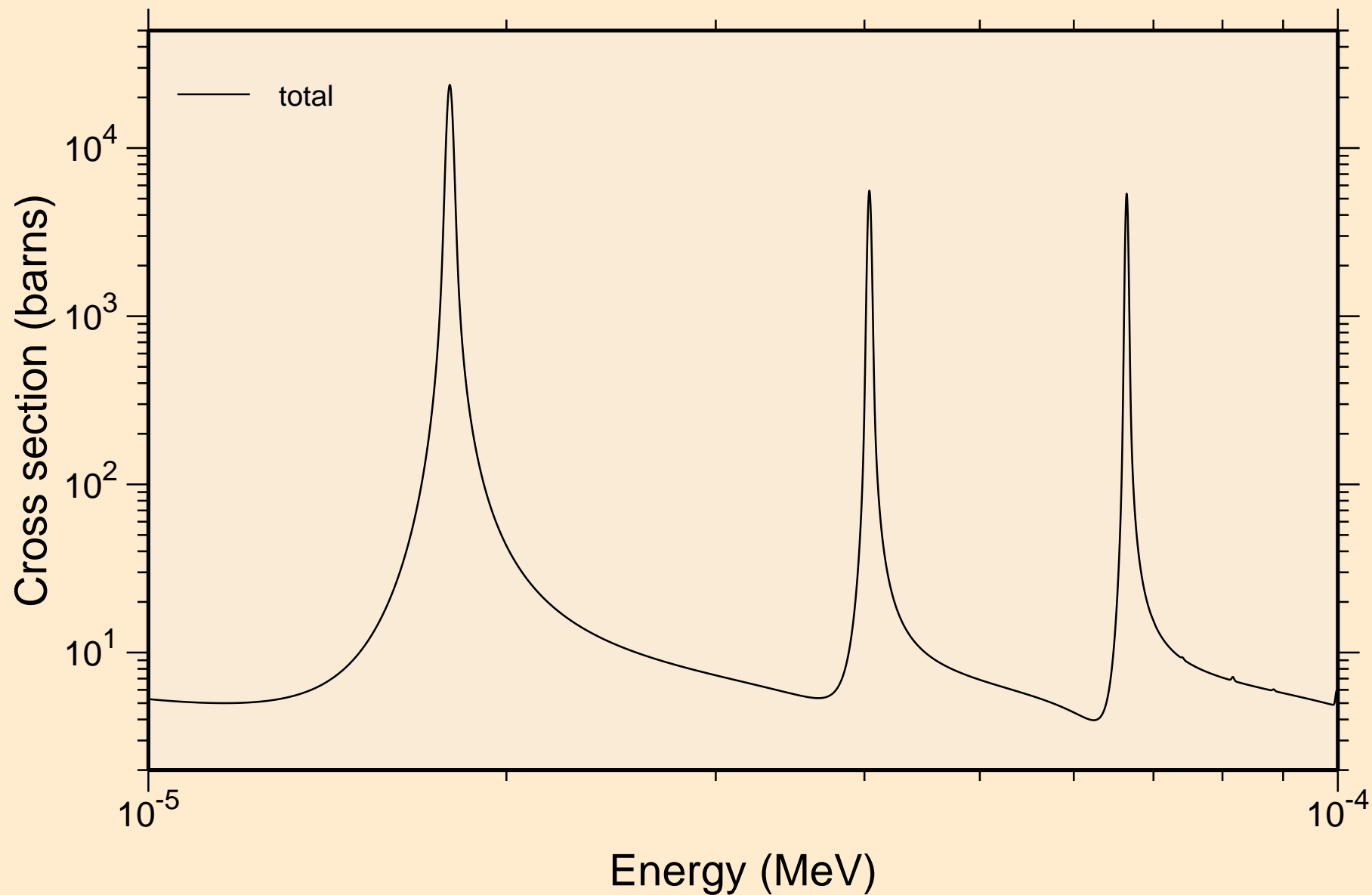
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



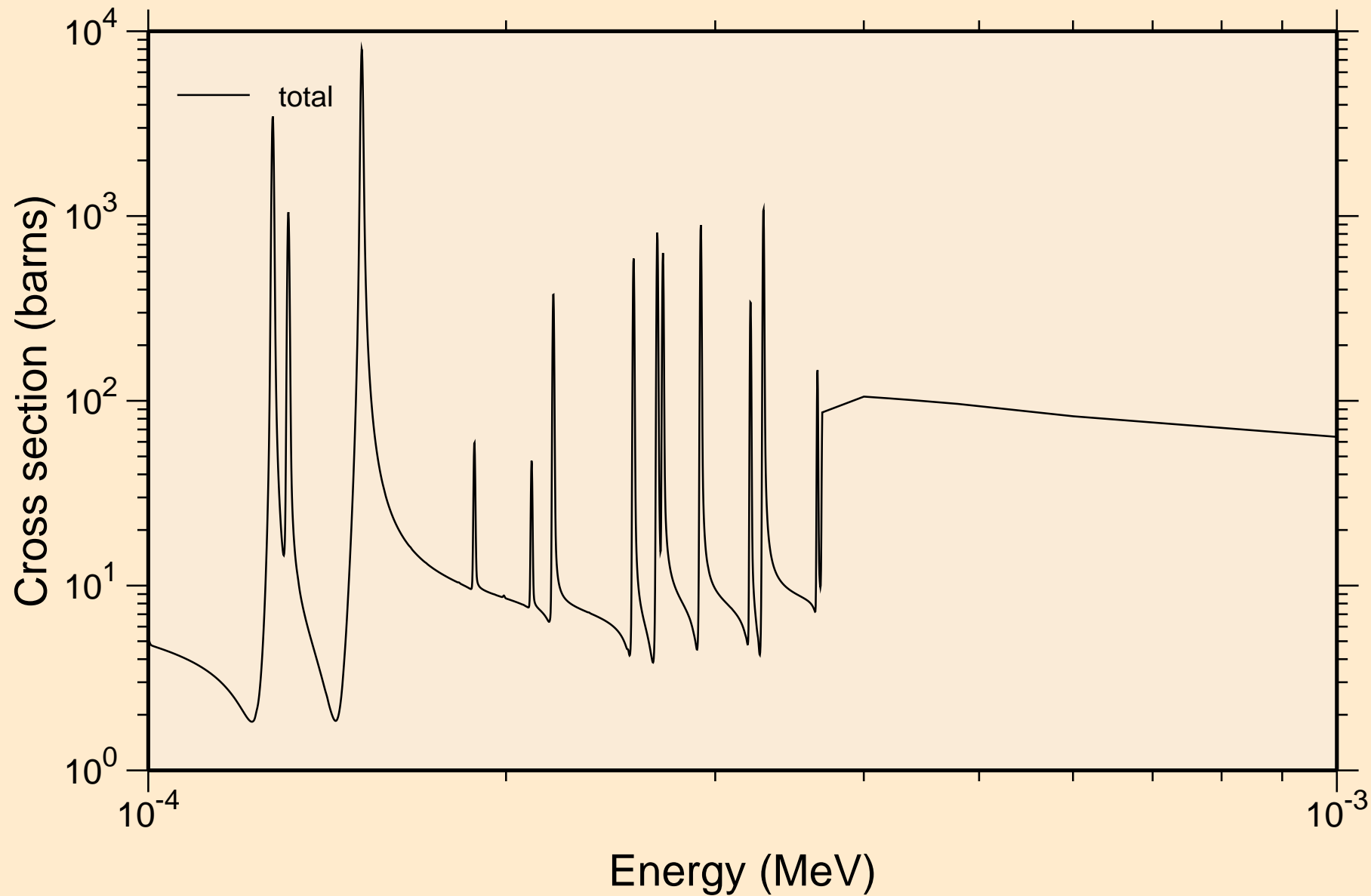
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



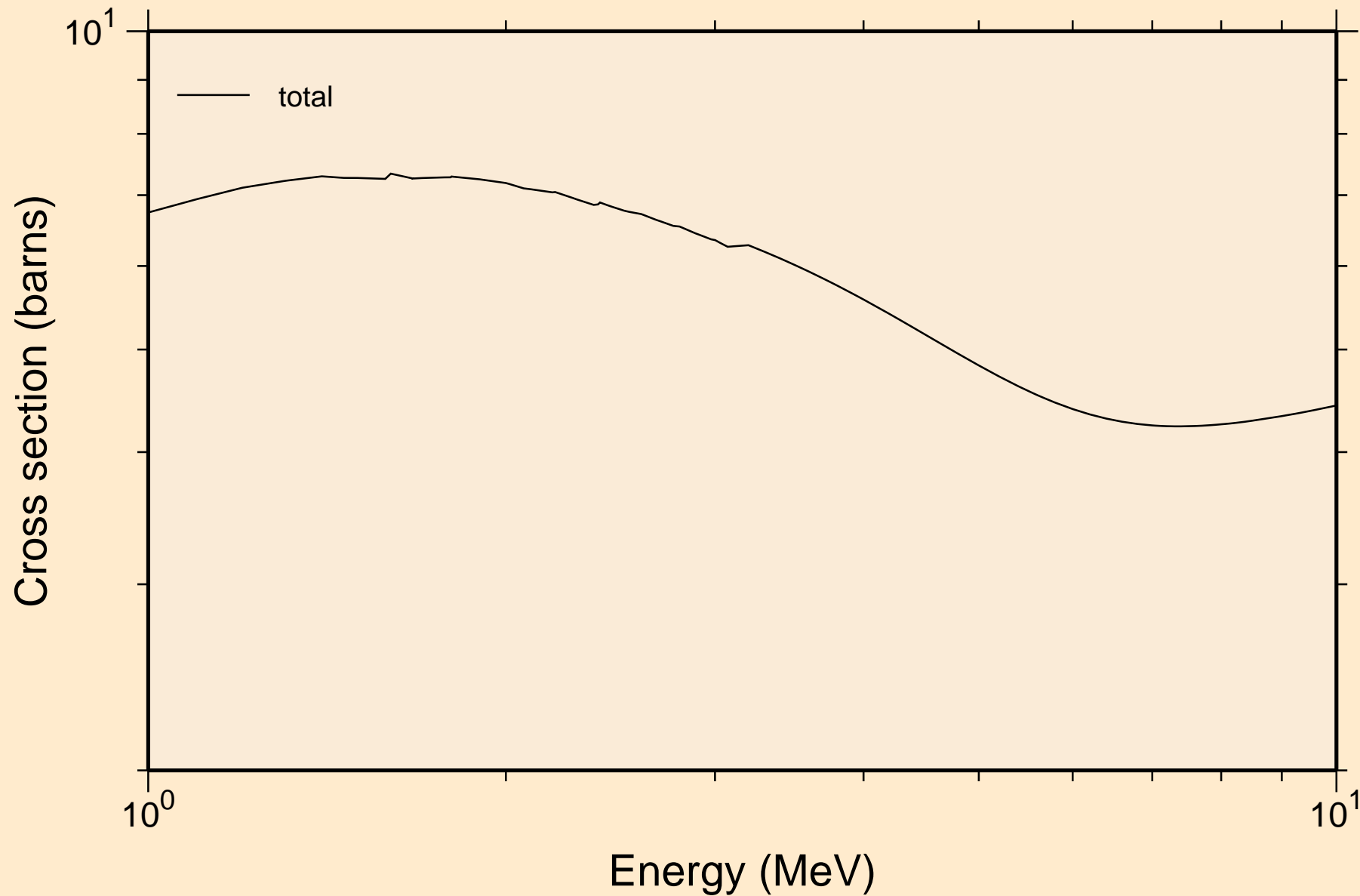
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



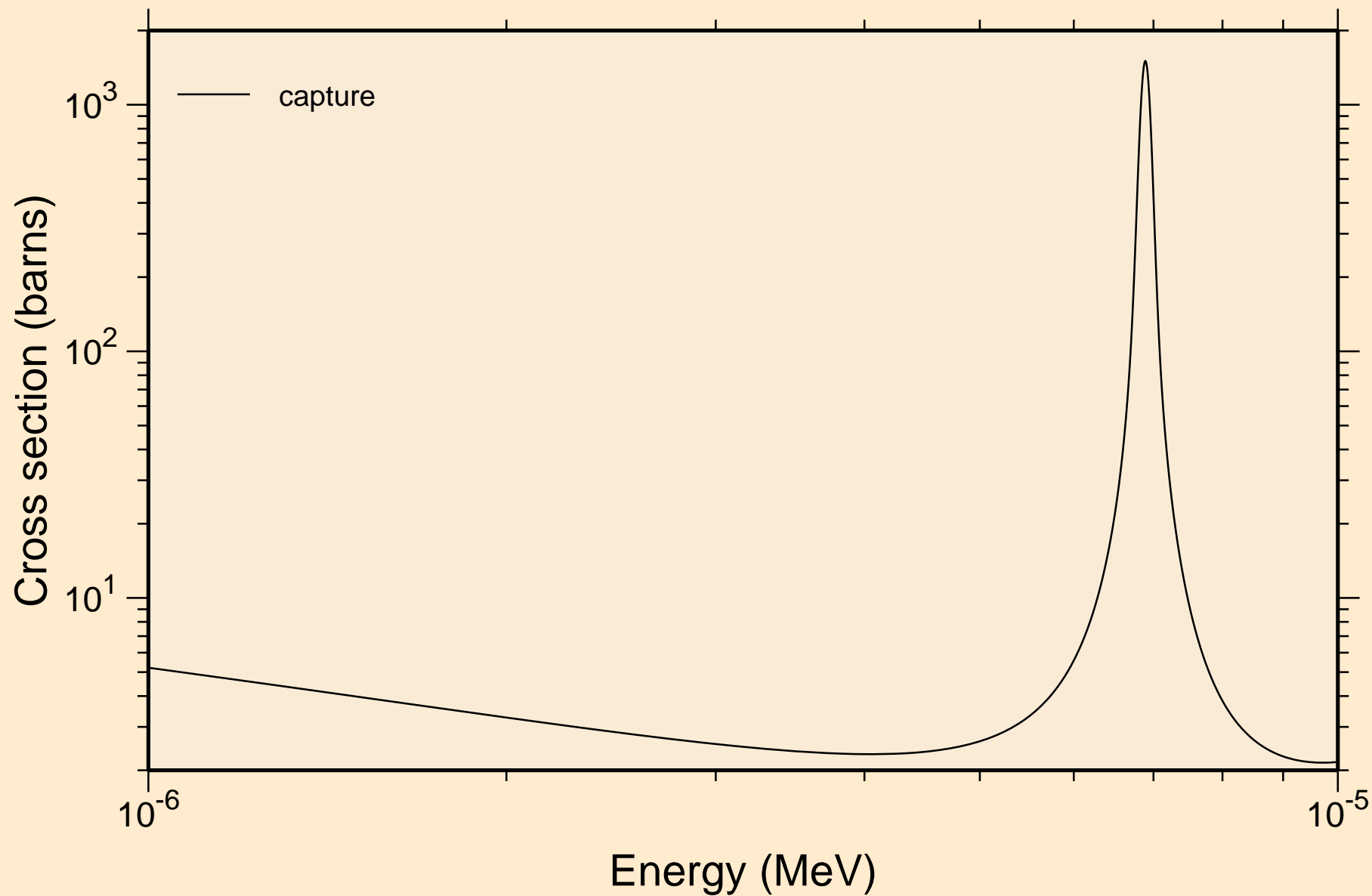
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



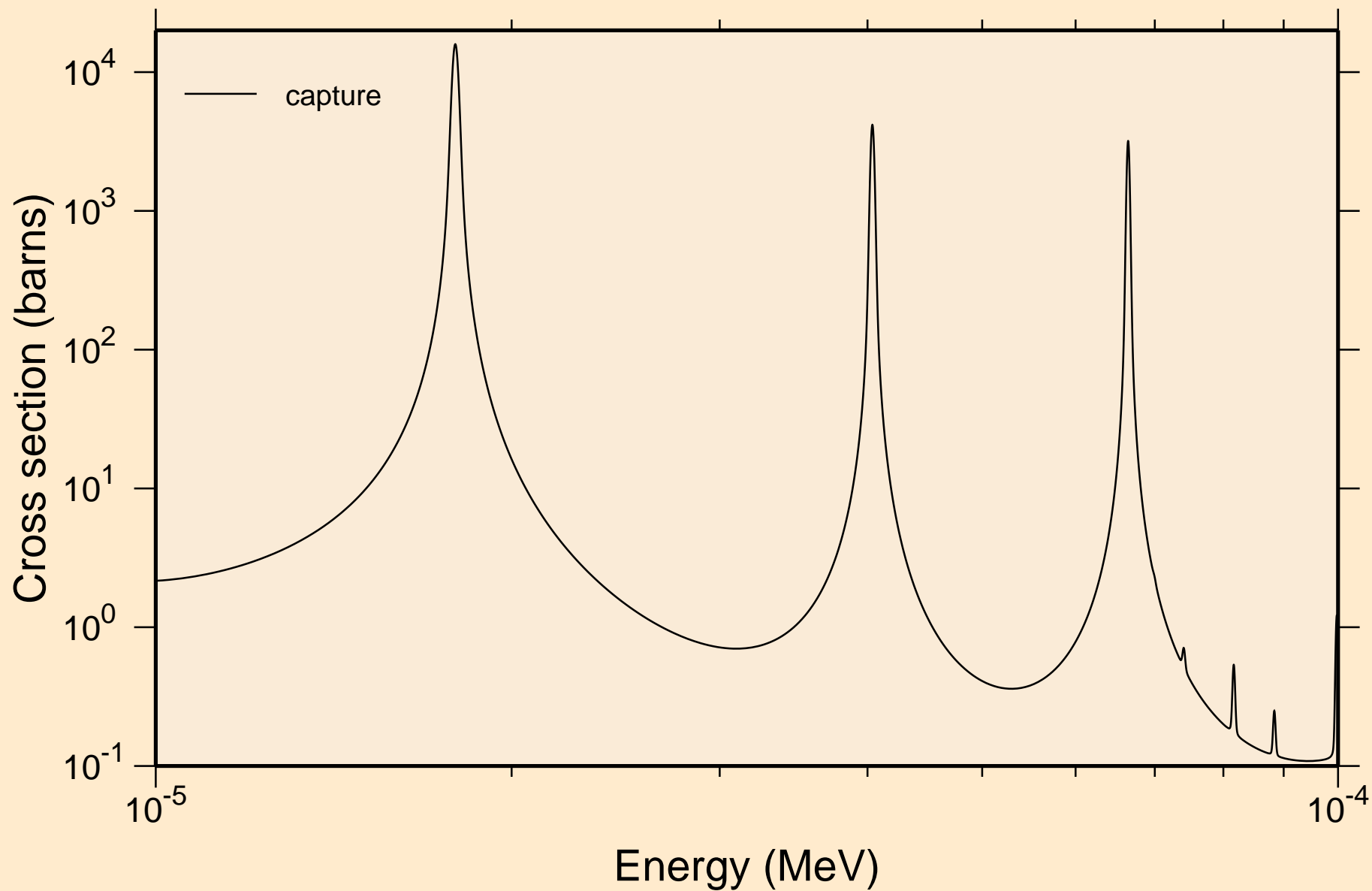
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



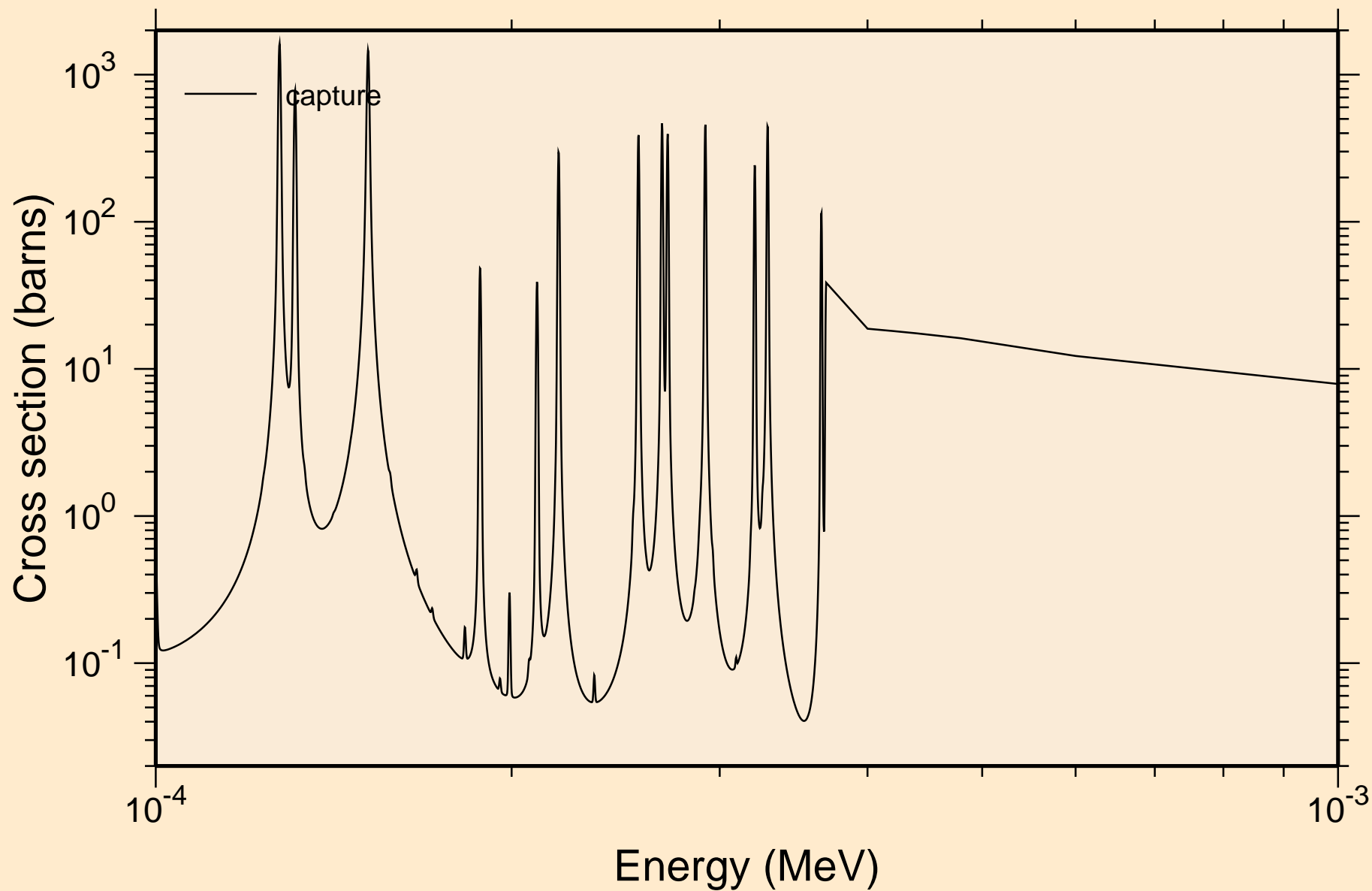
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

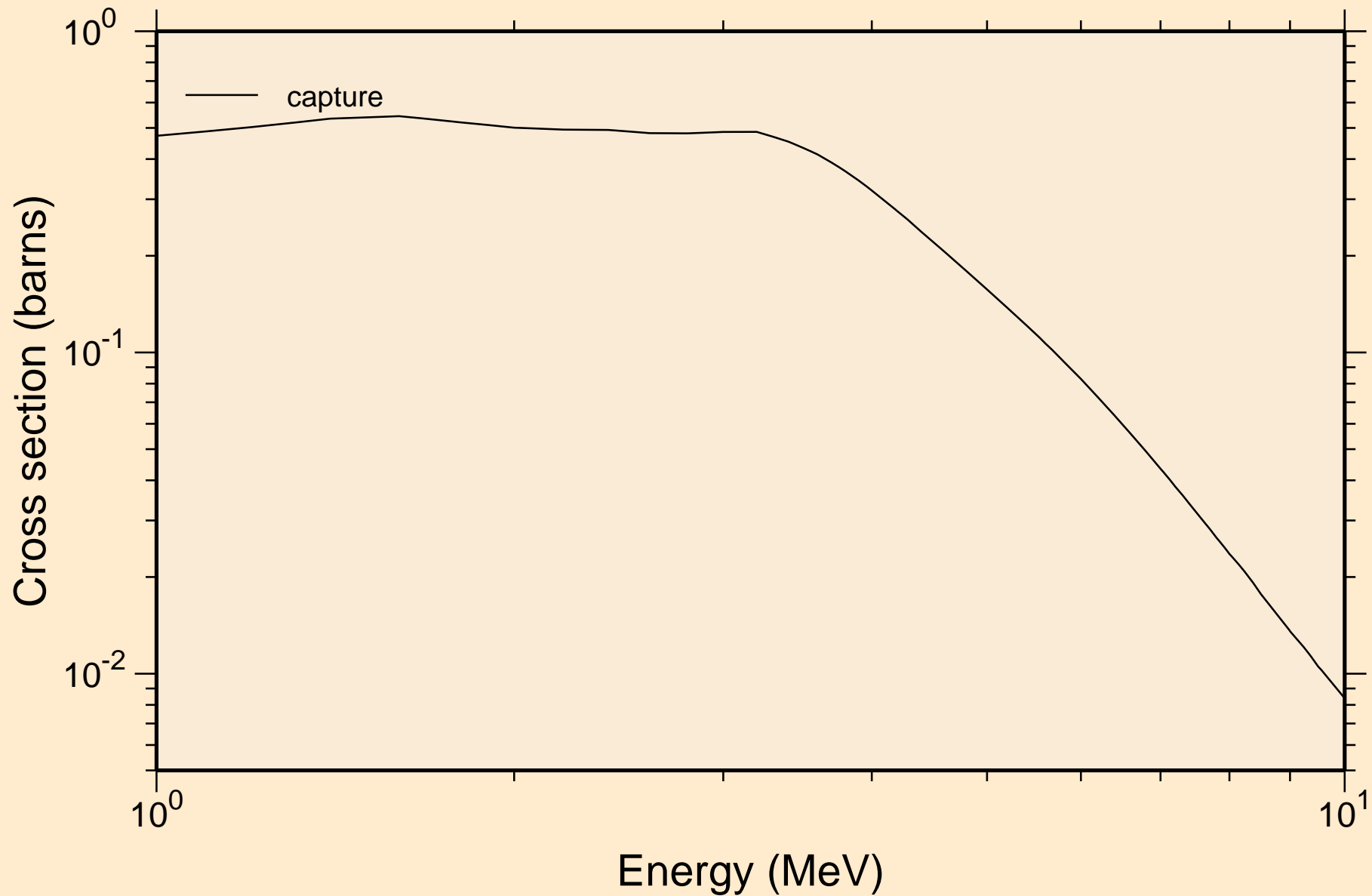


SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

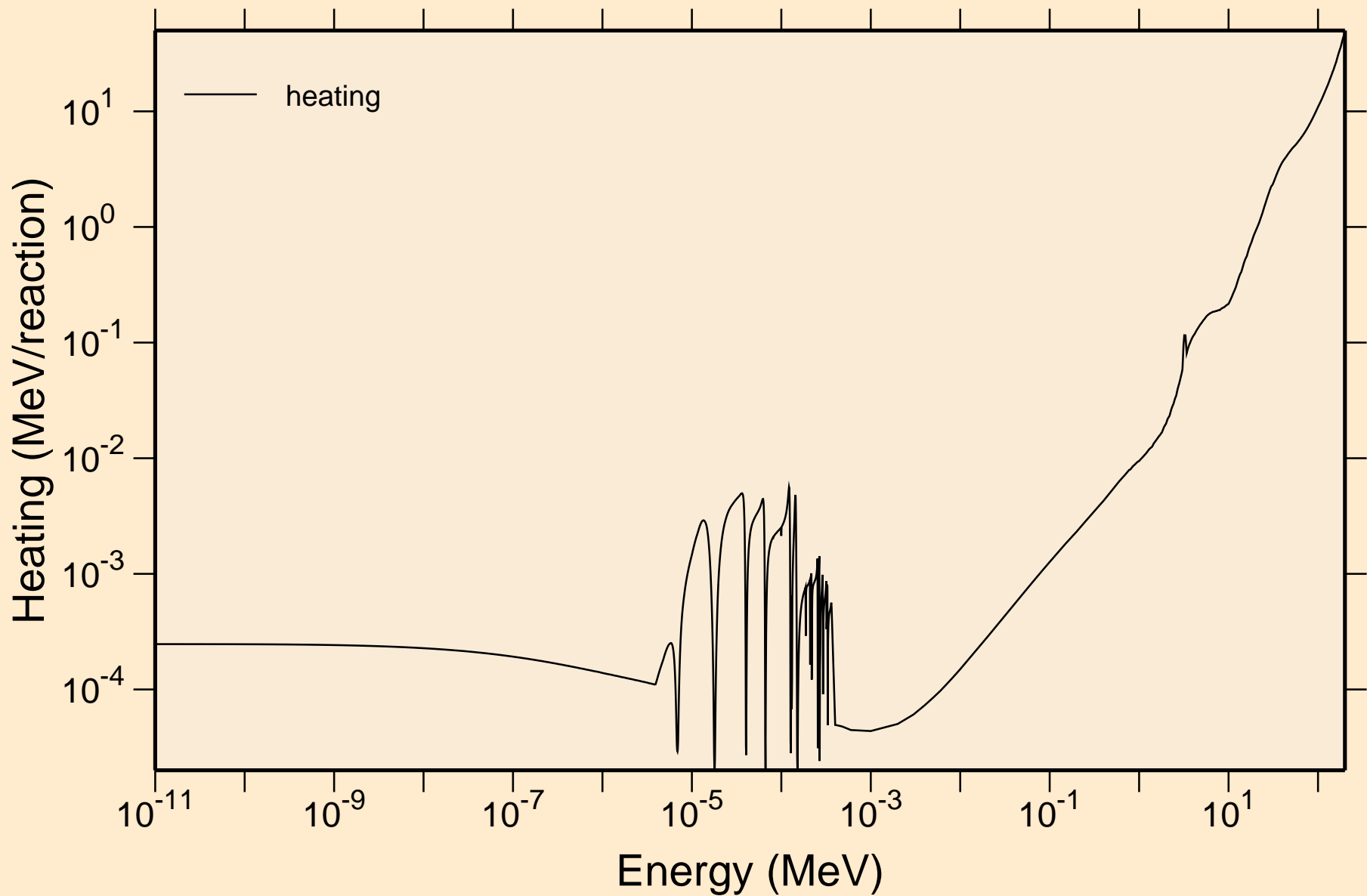




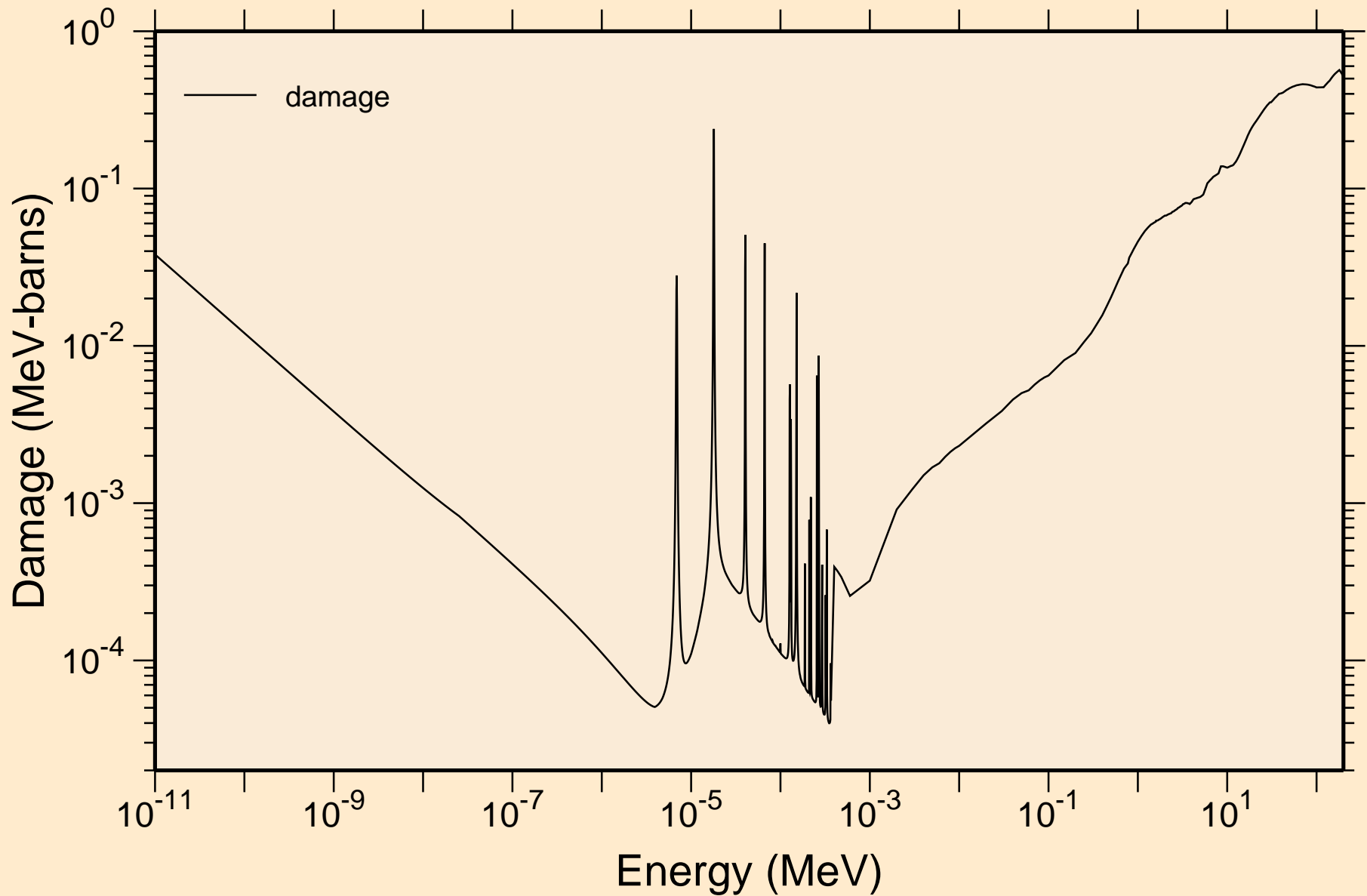
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

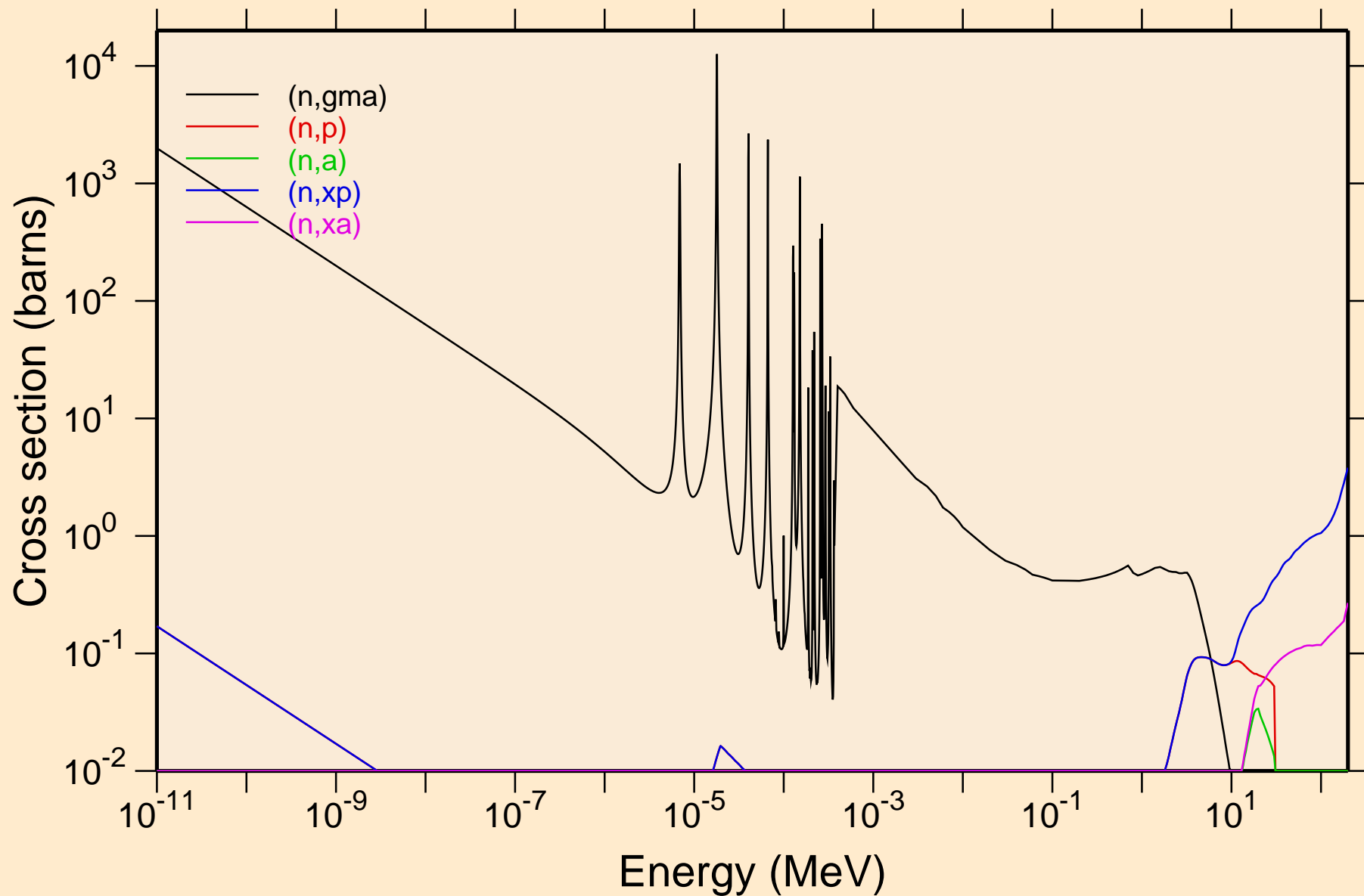


# SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K Damage

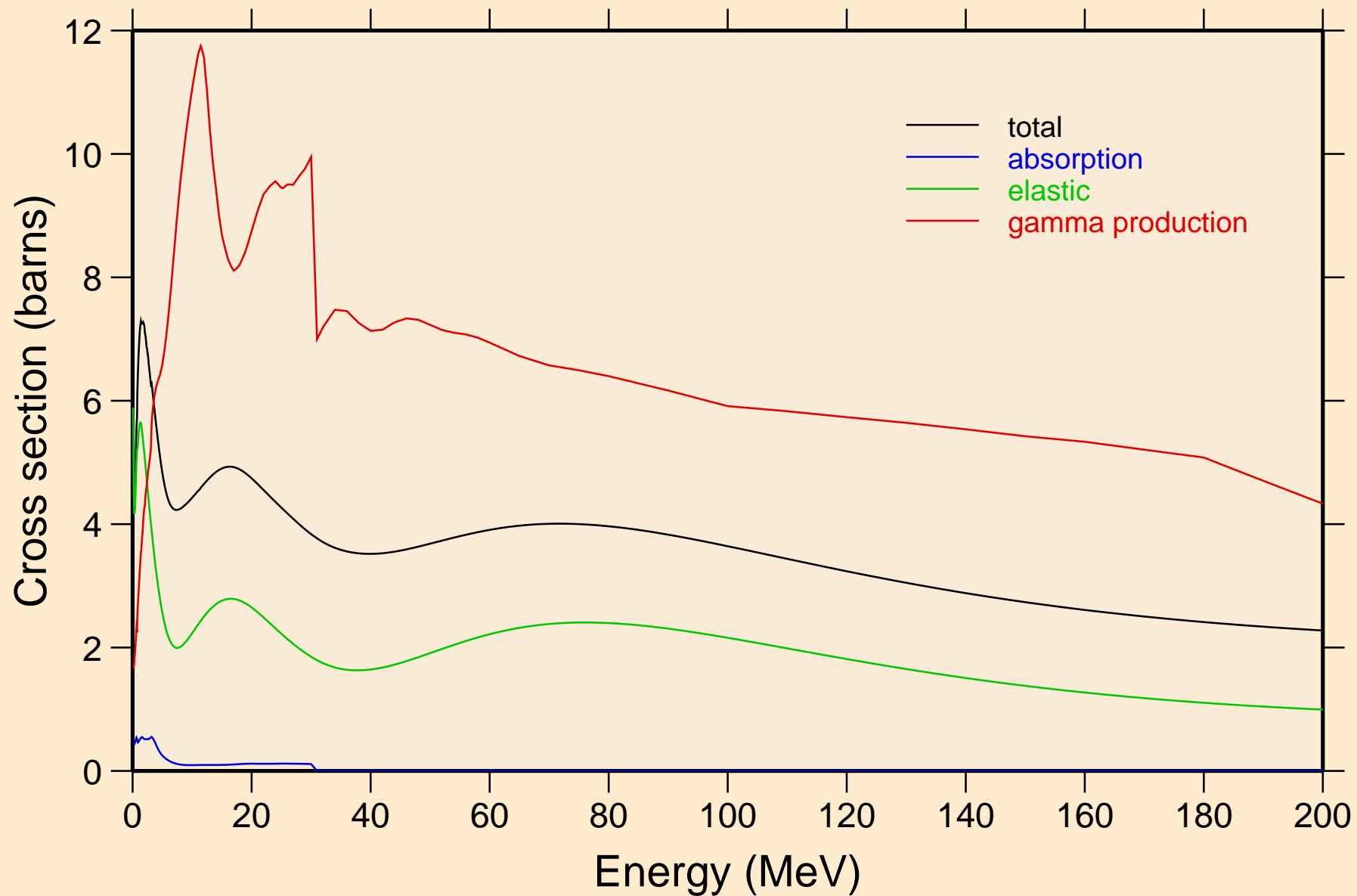


# SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

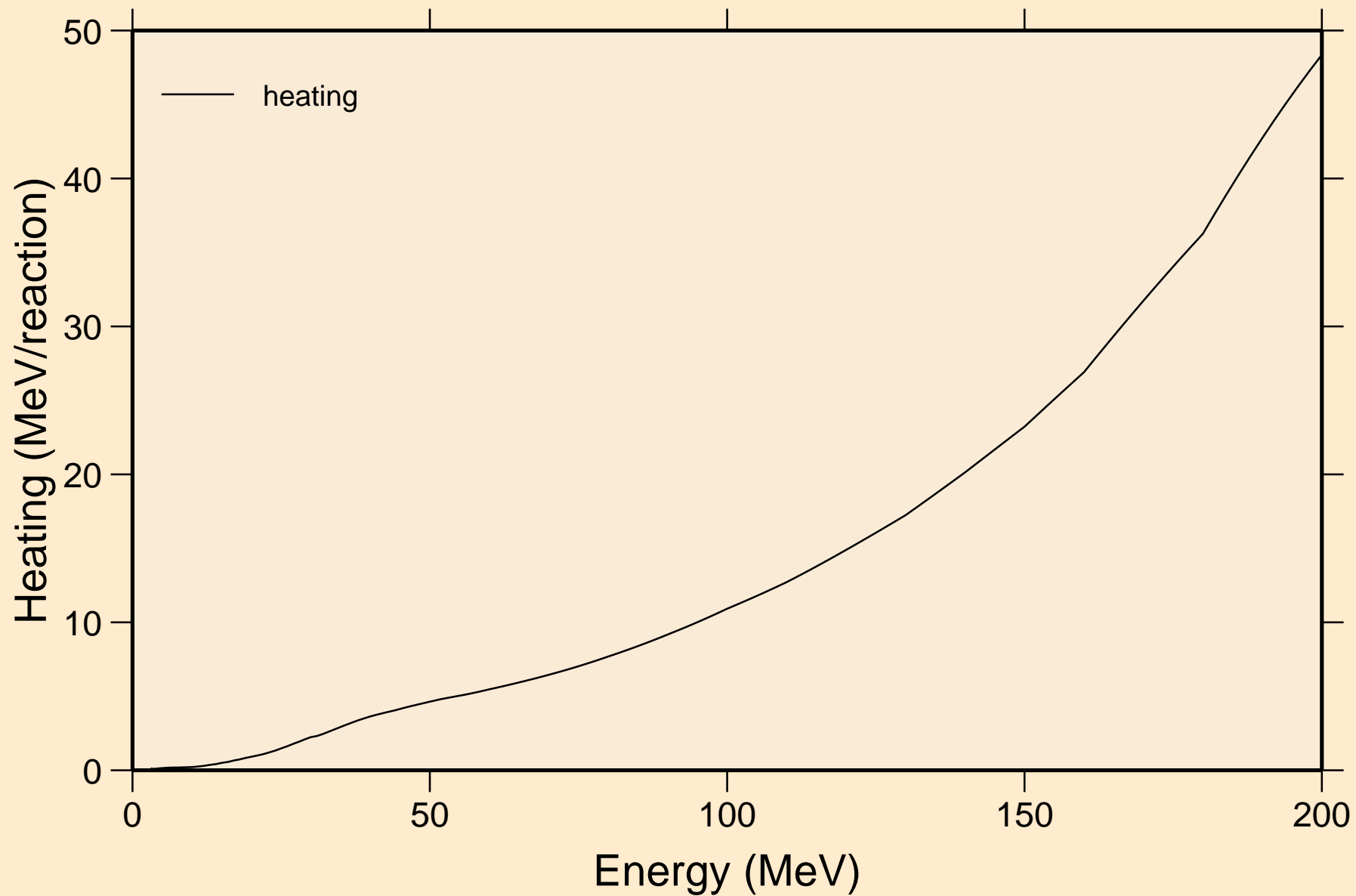
## Non-threshold reactions



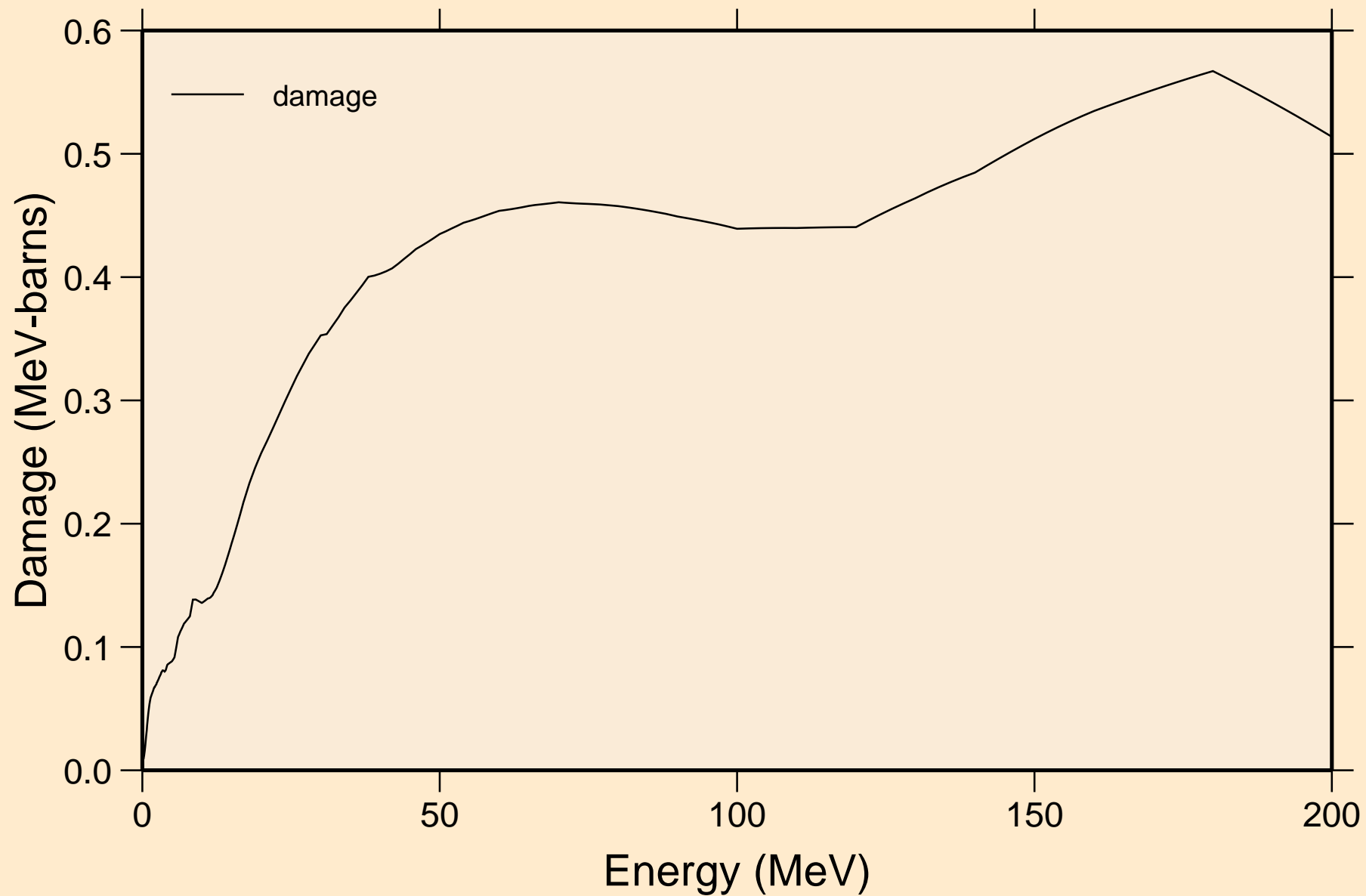
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

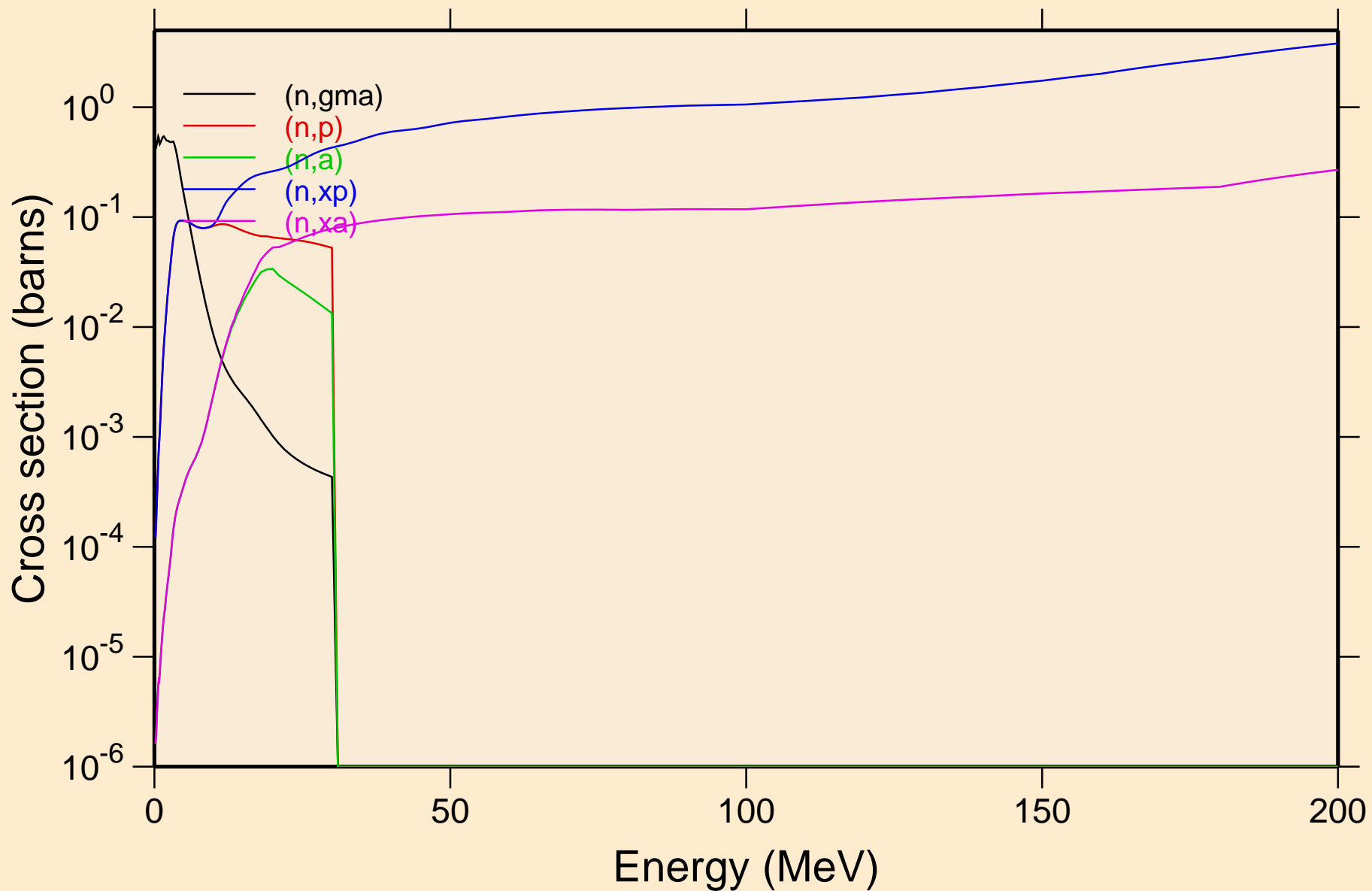


SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



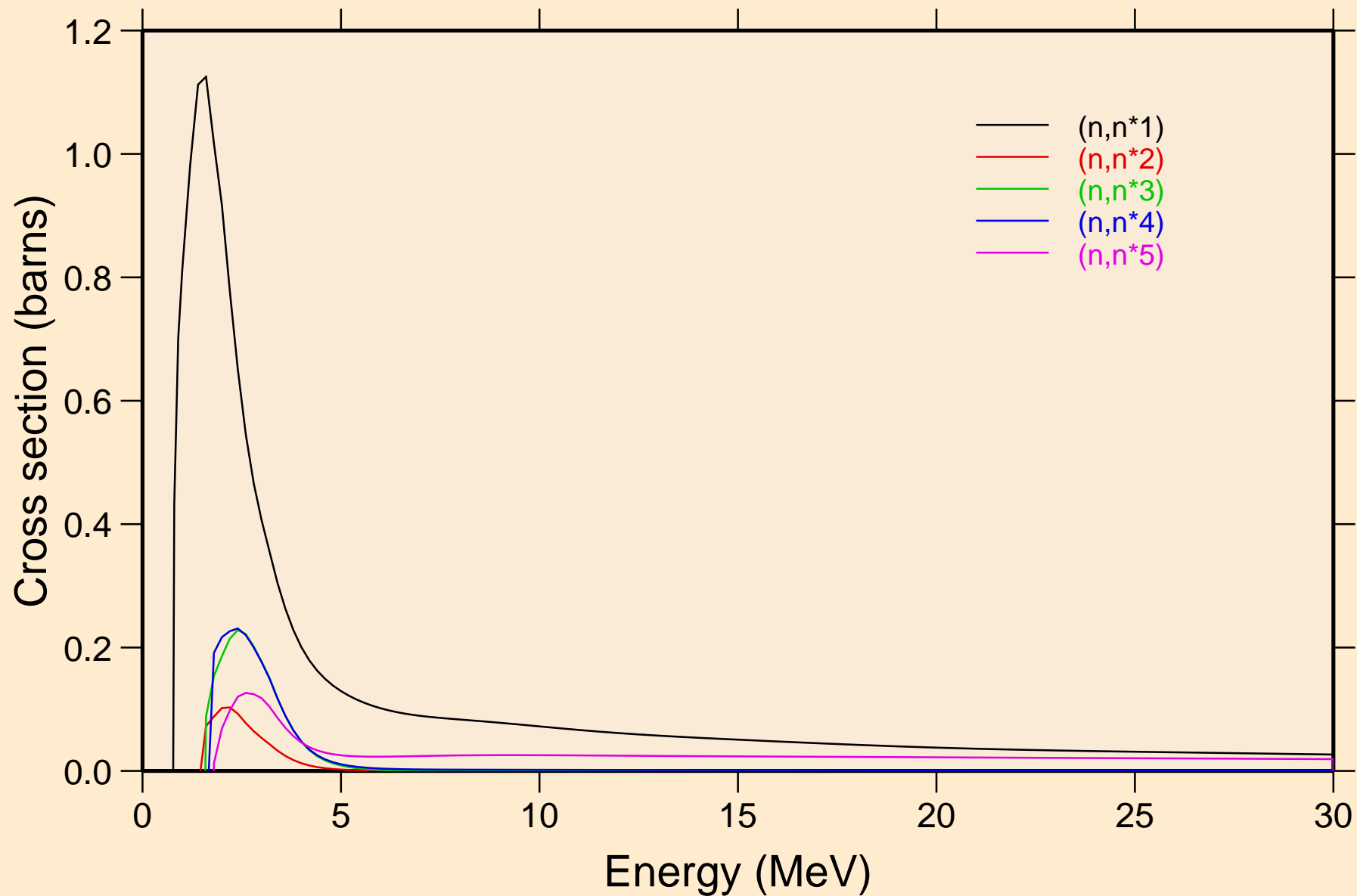
# SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Non-threshold reactions

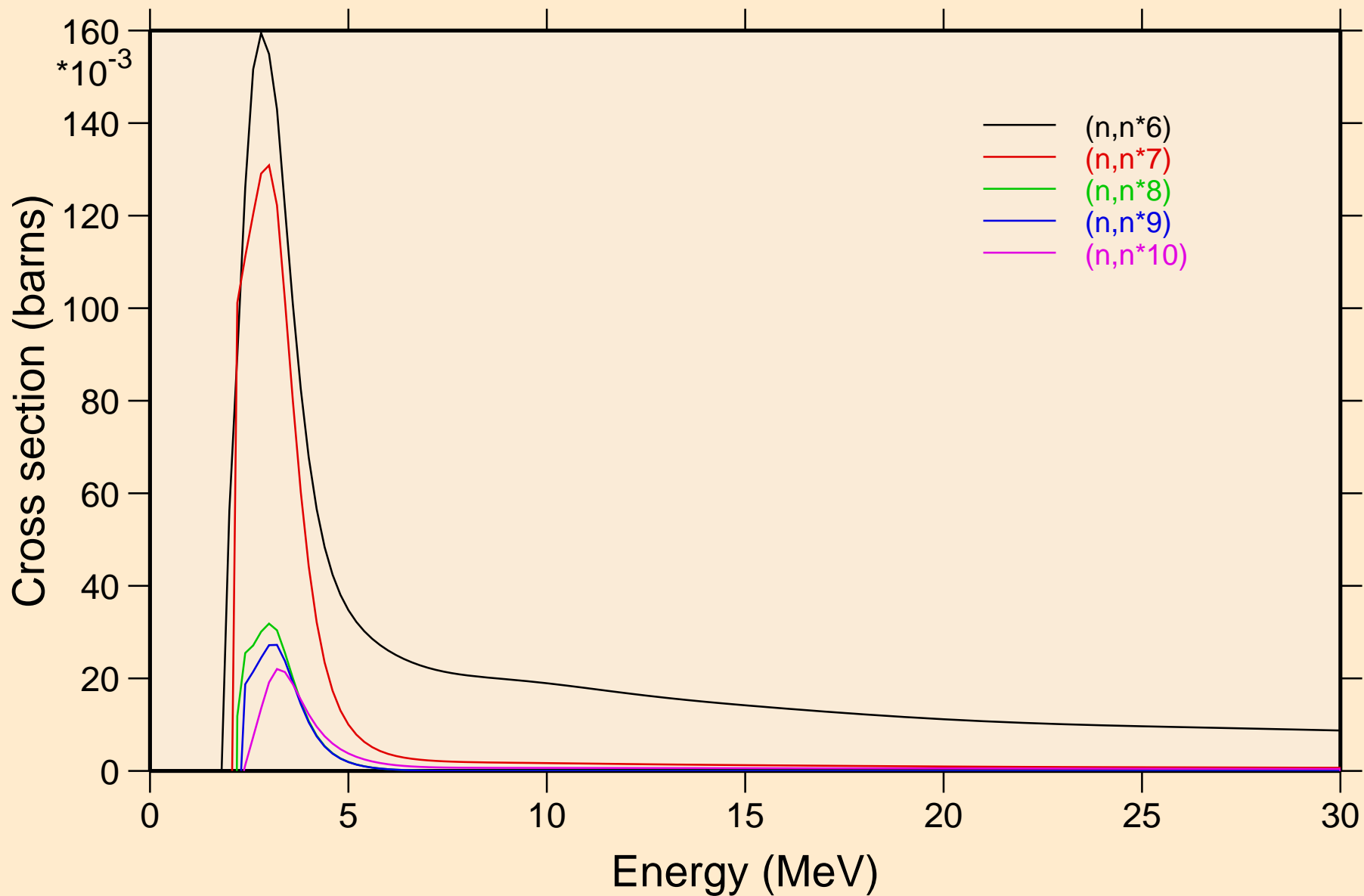




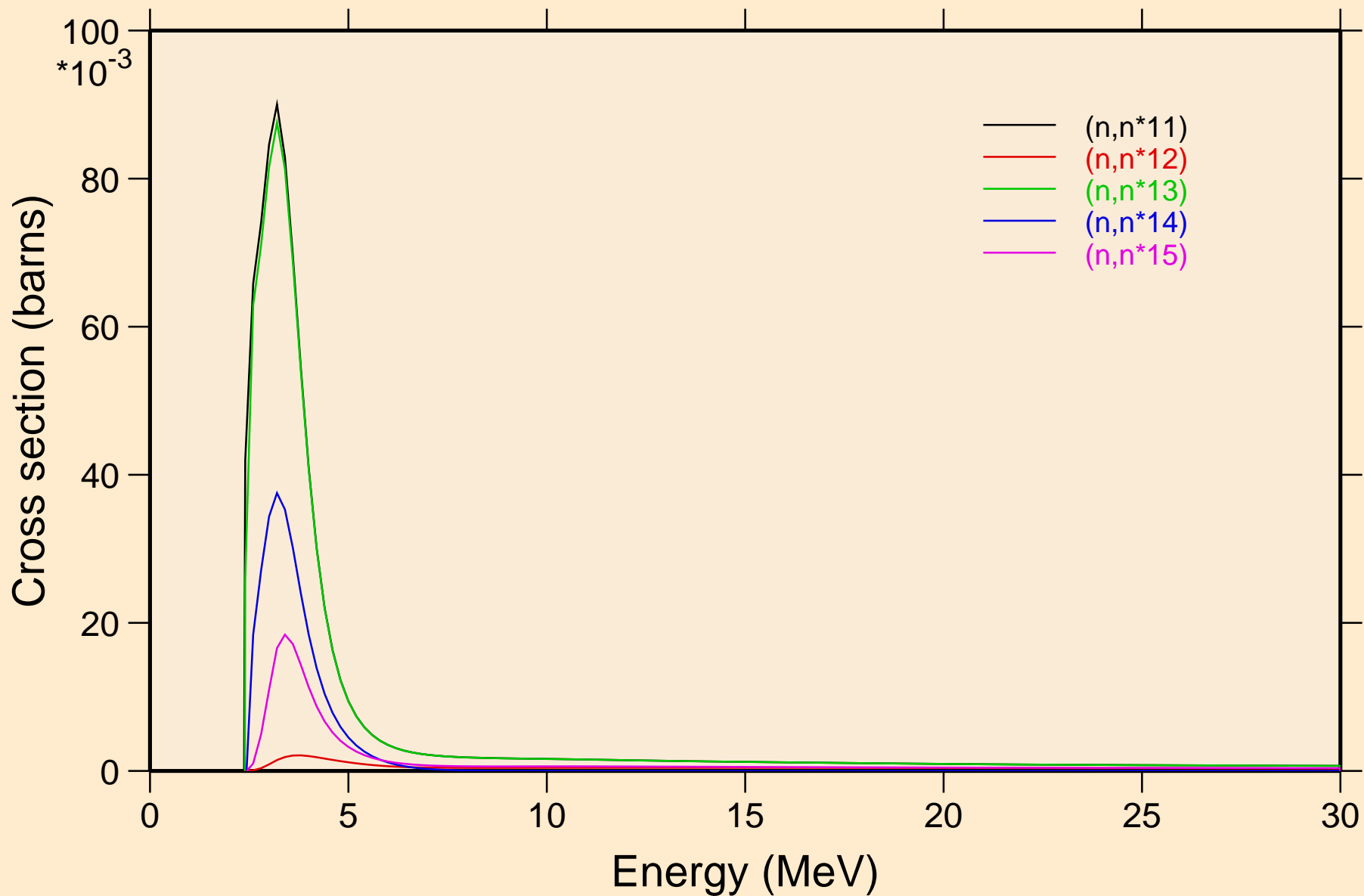
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



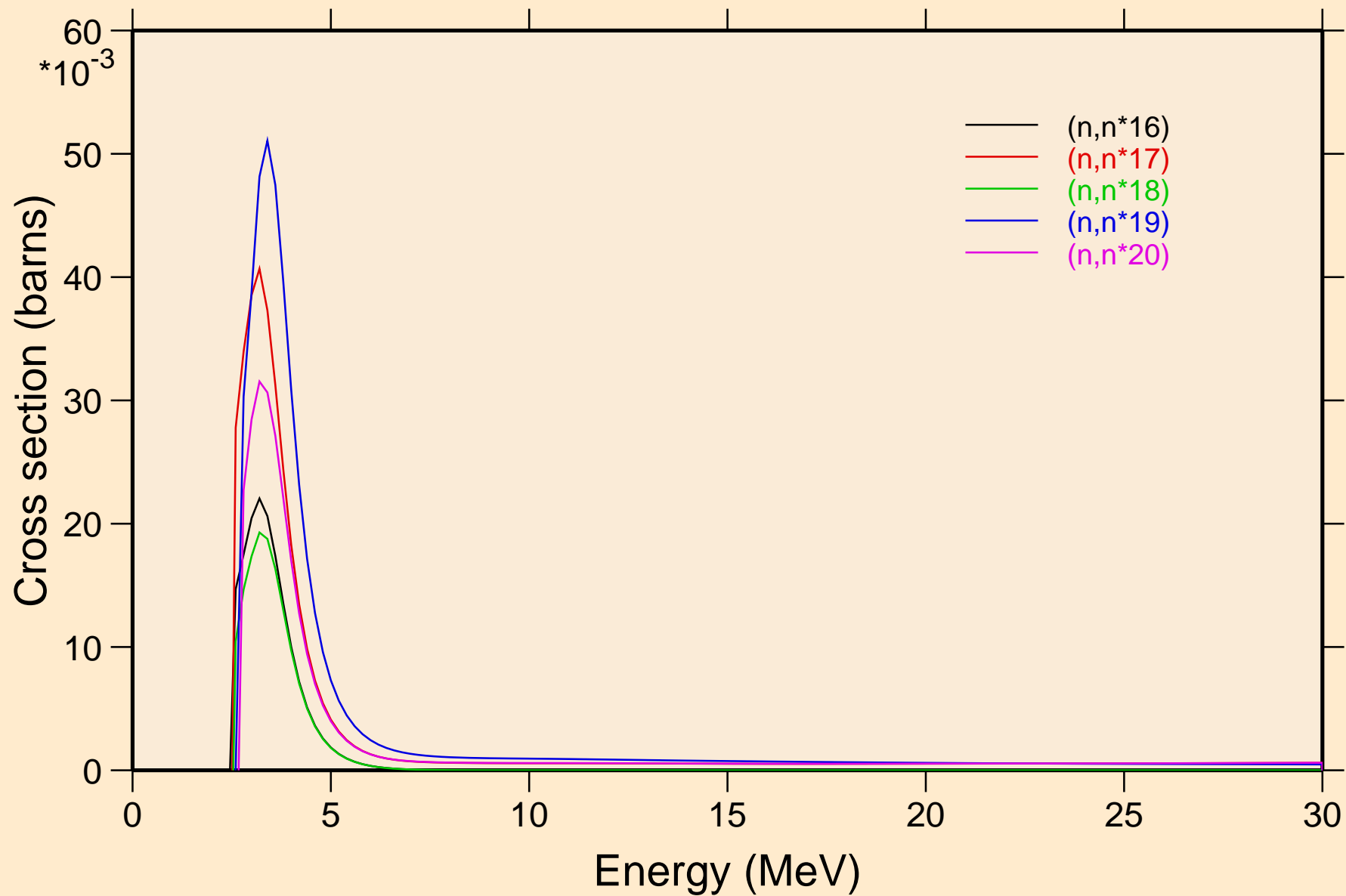
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



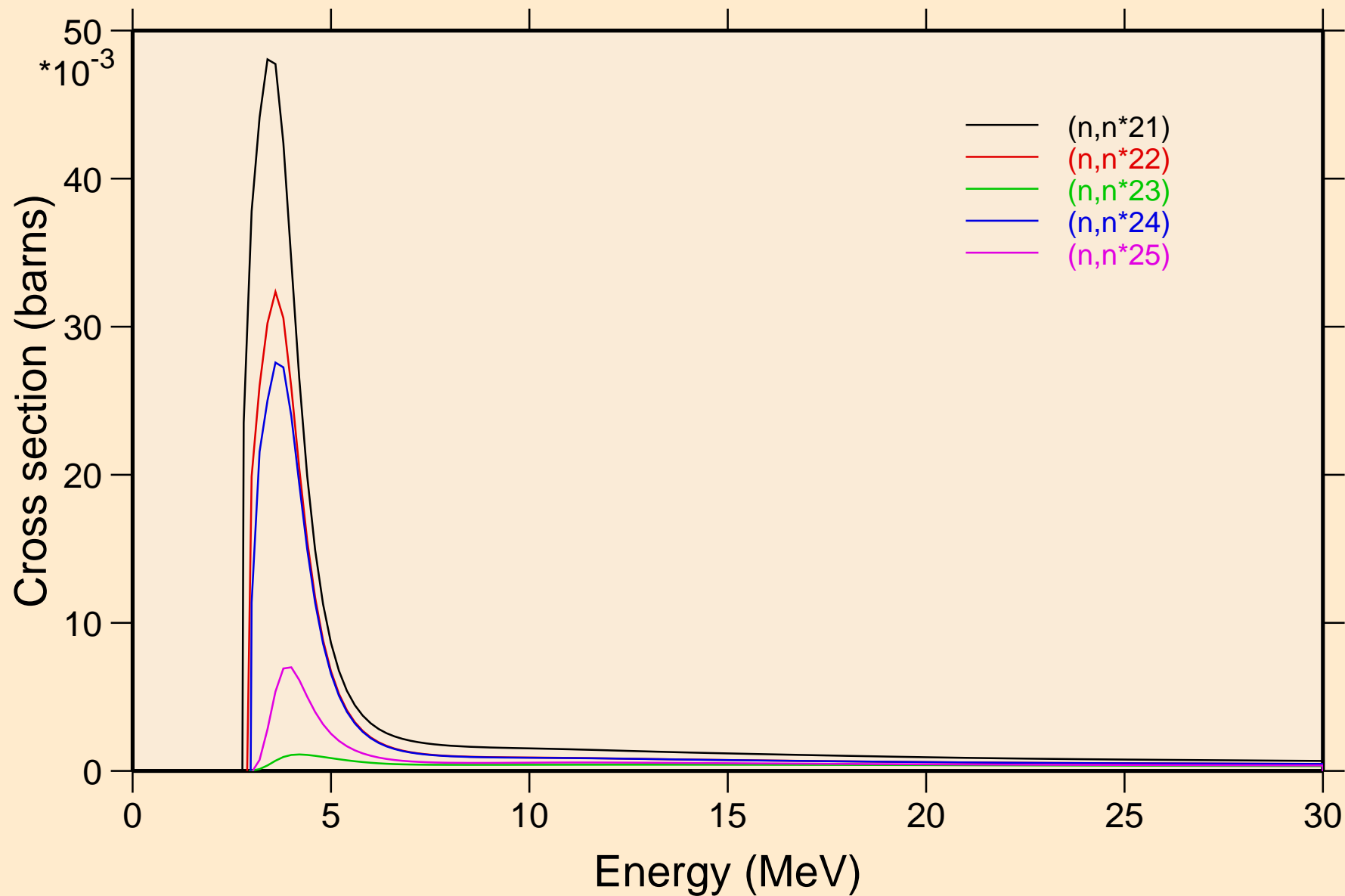
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



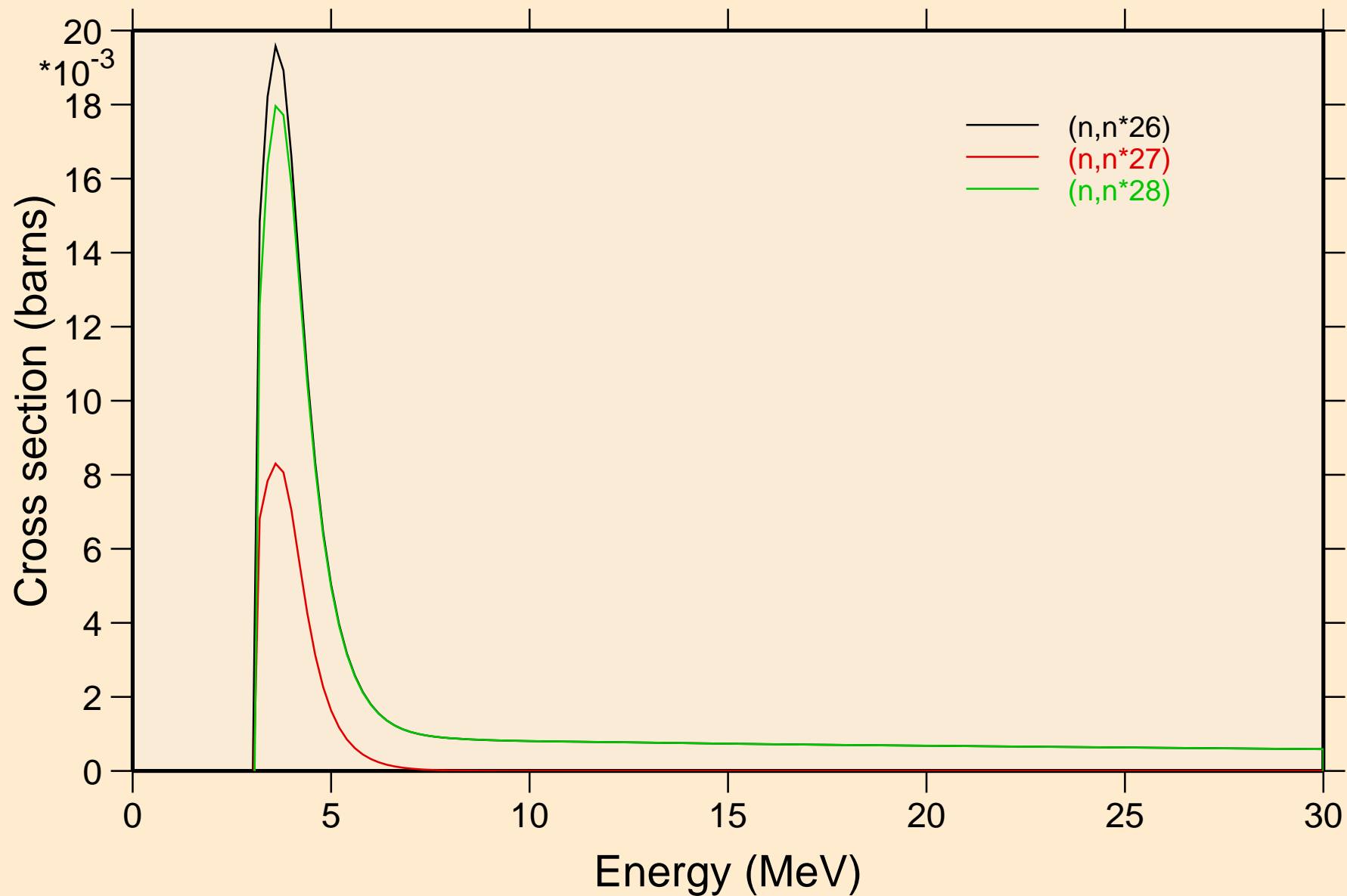
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



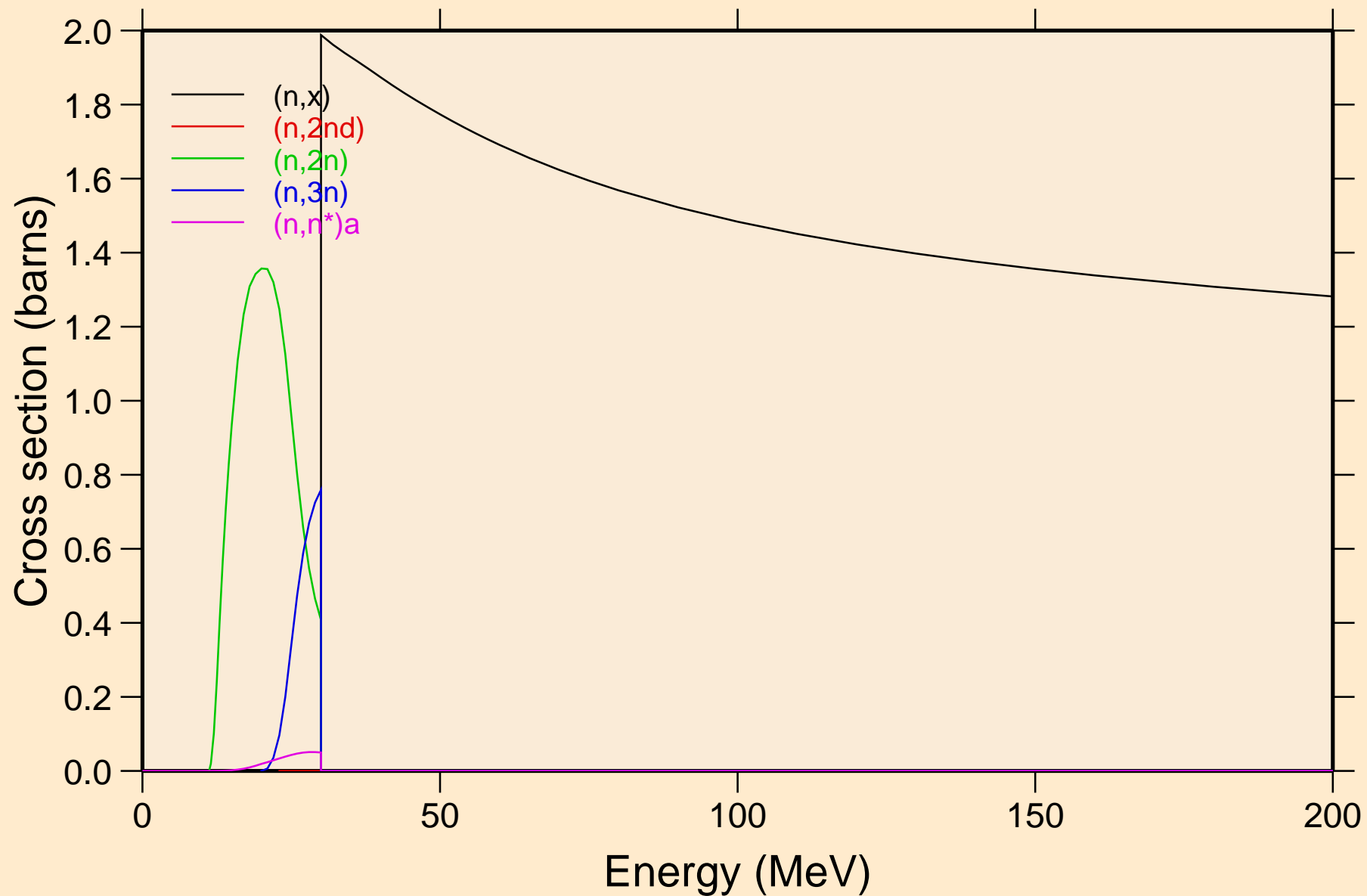
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



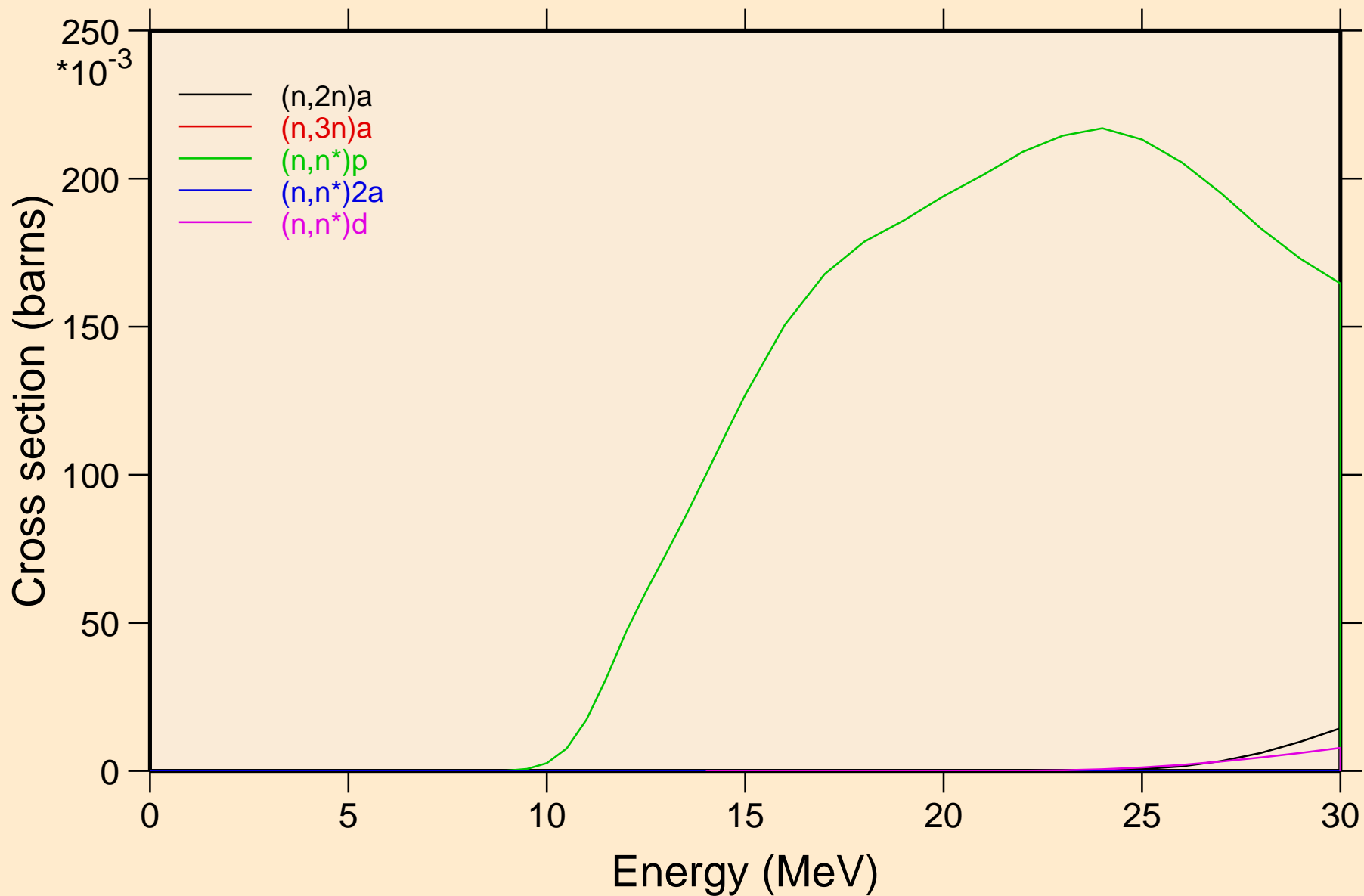
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

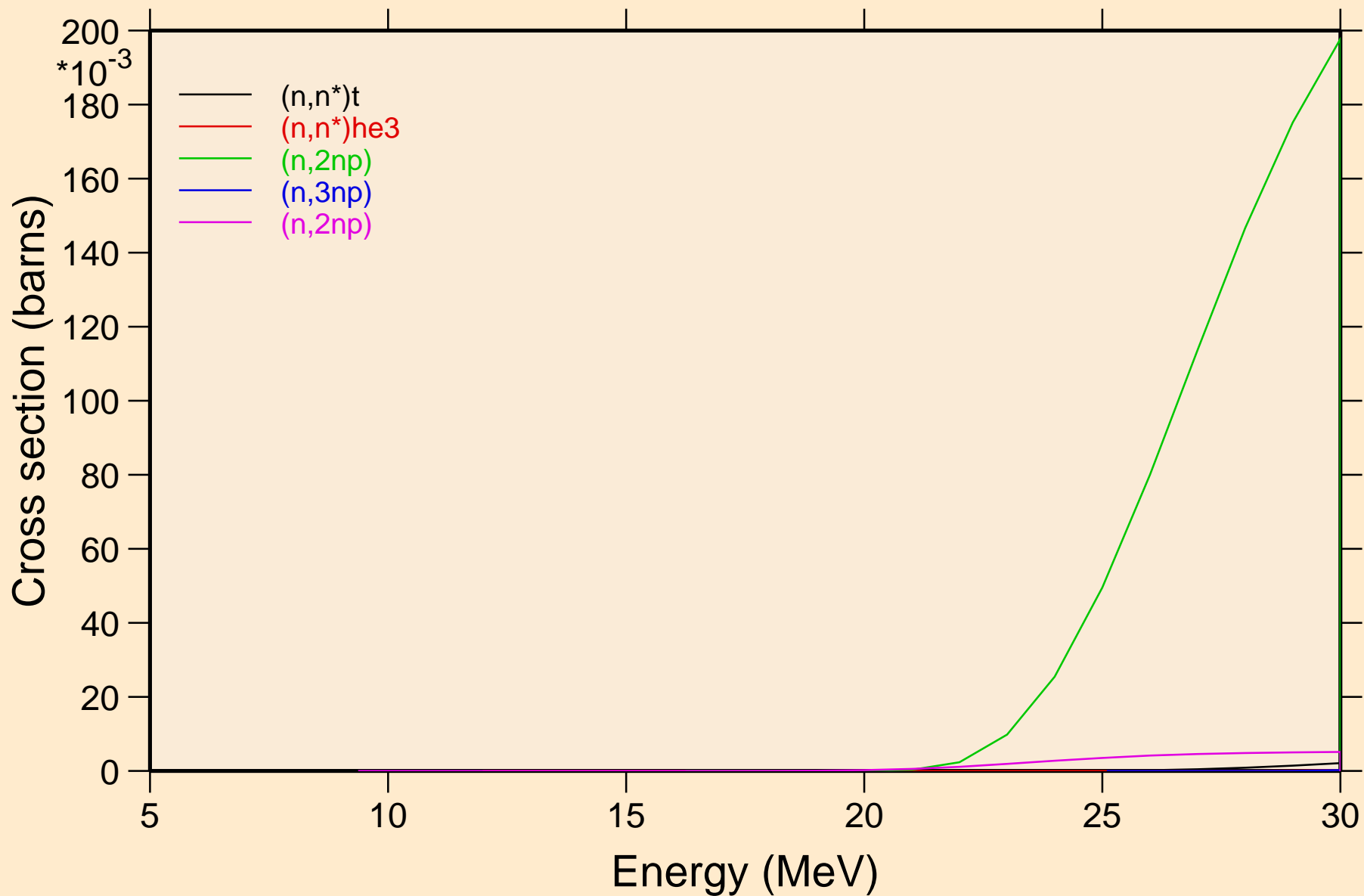


SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

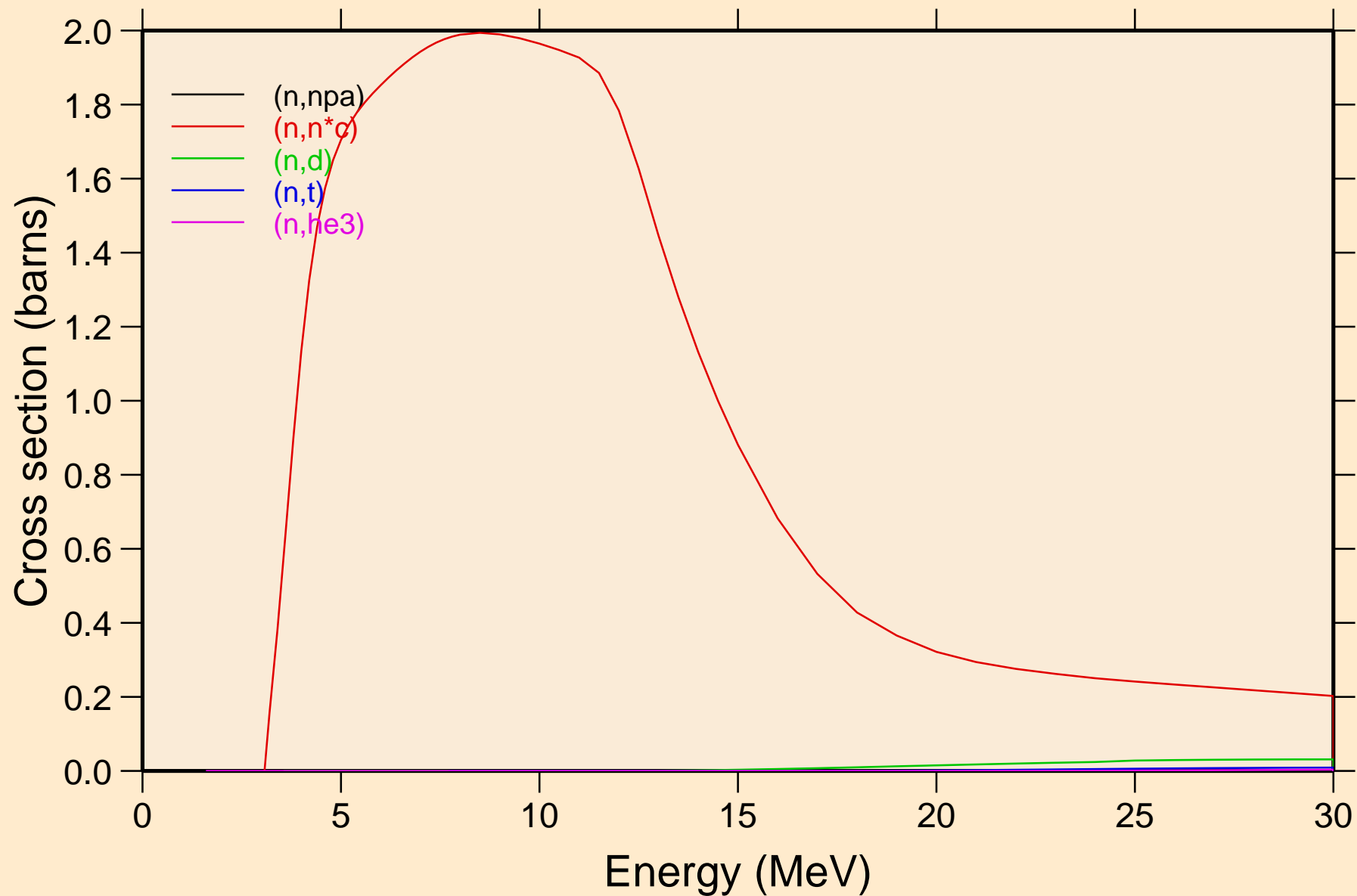




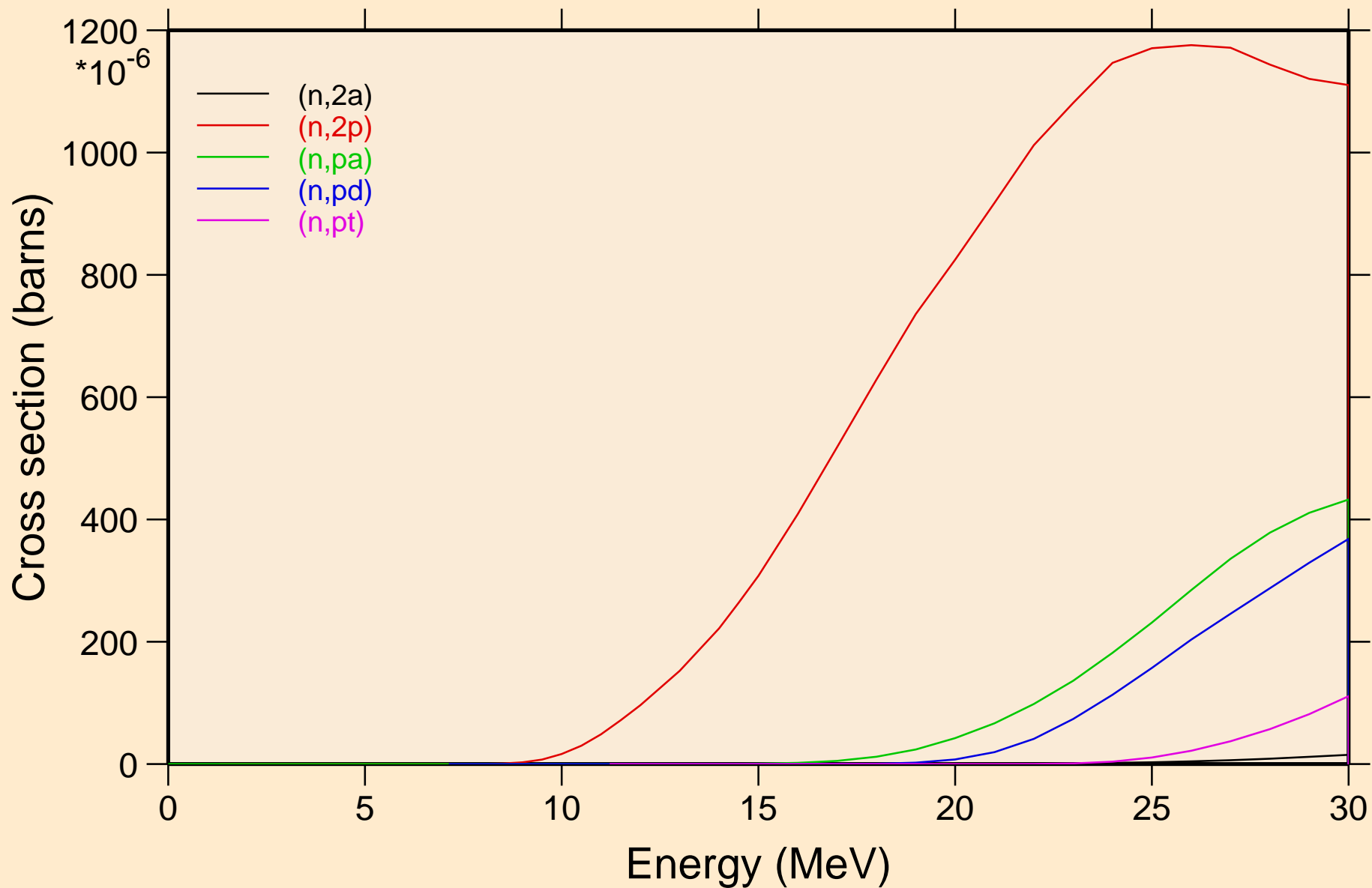
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



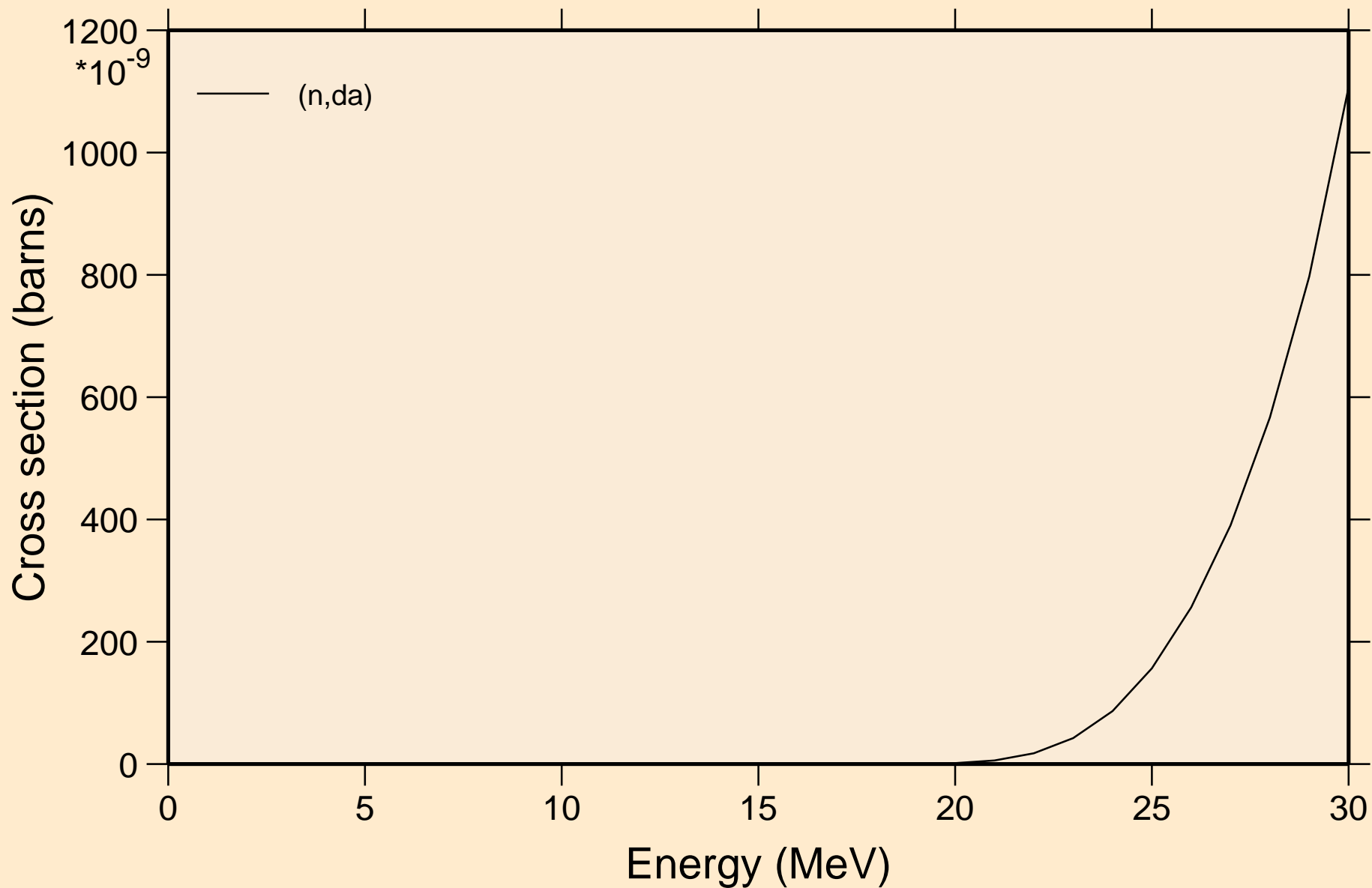
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



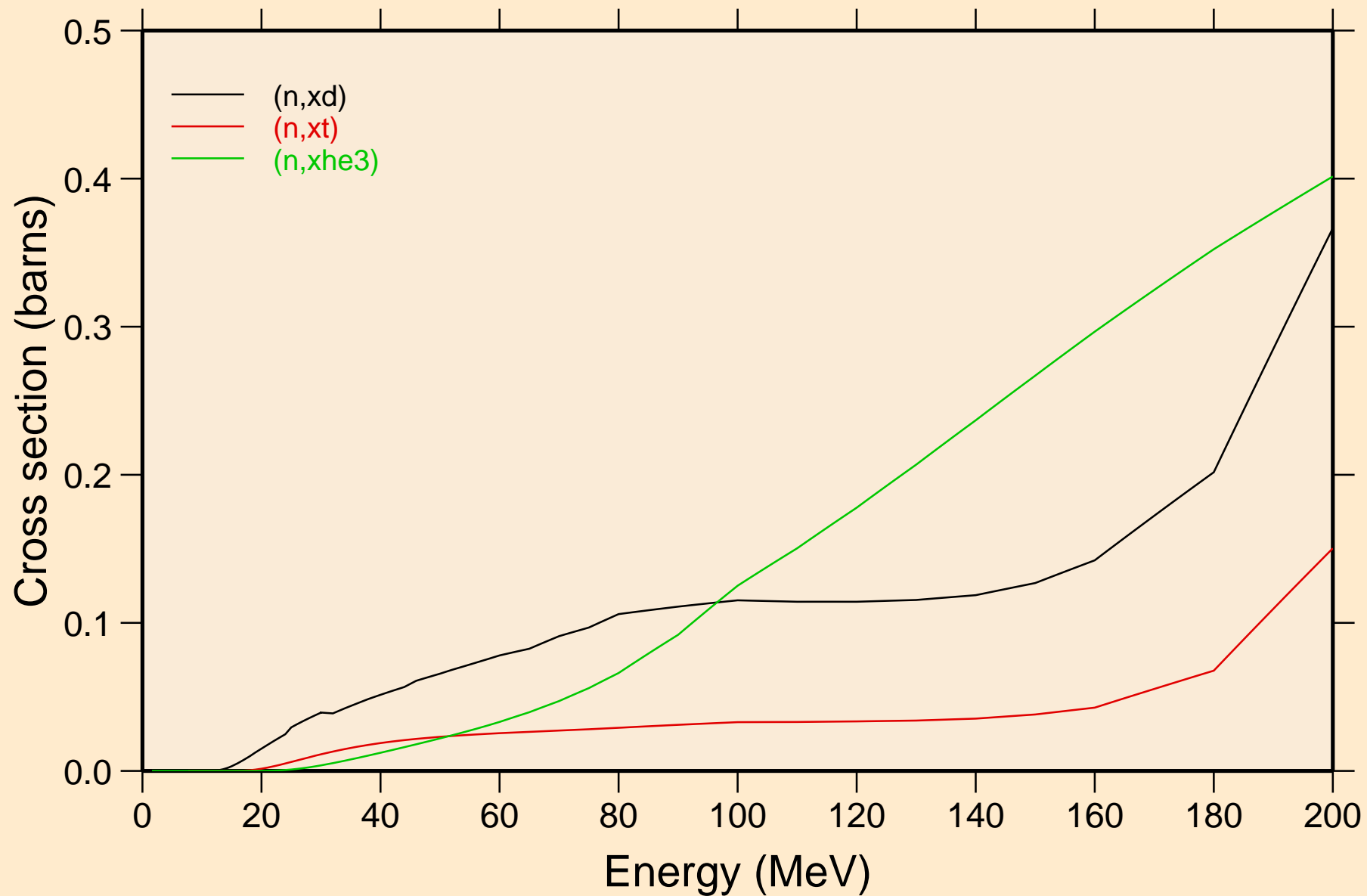
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



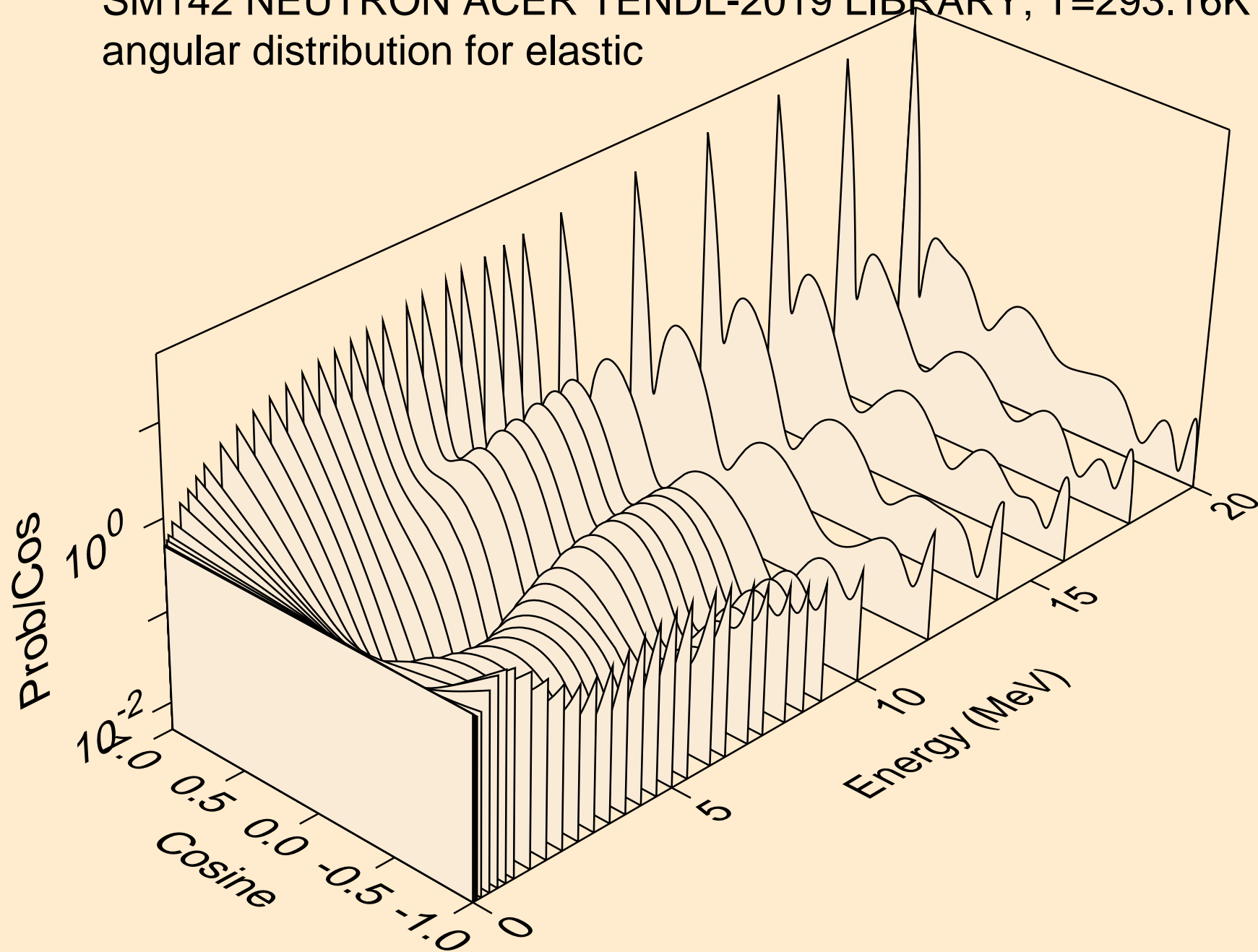
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



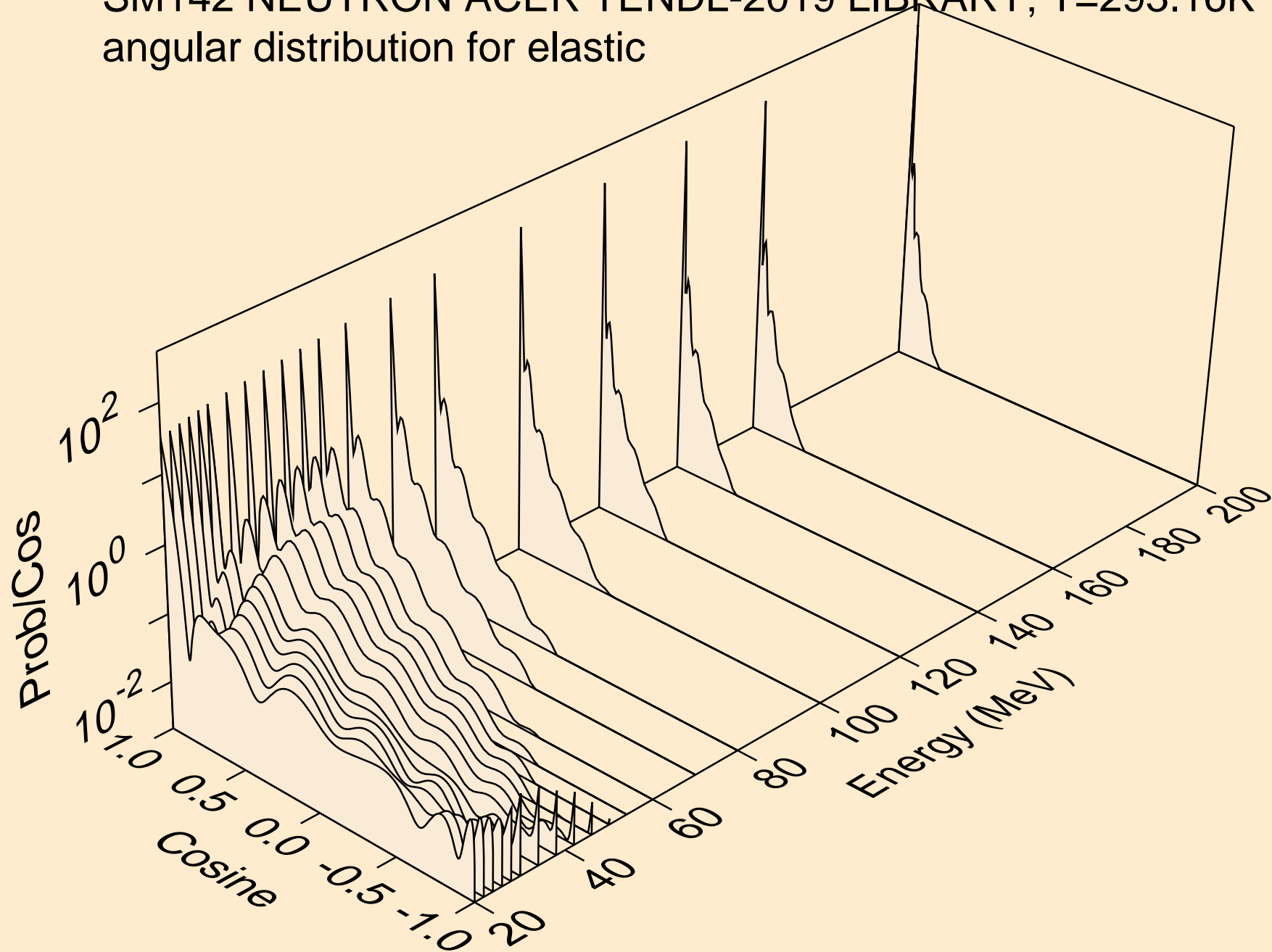
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



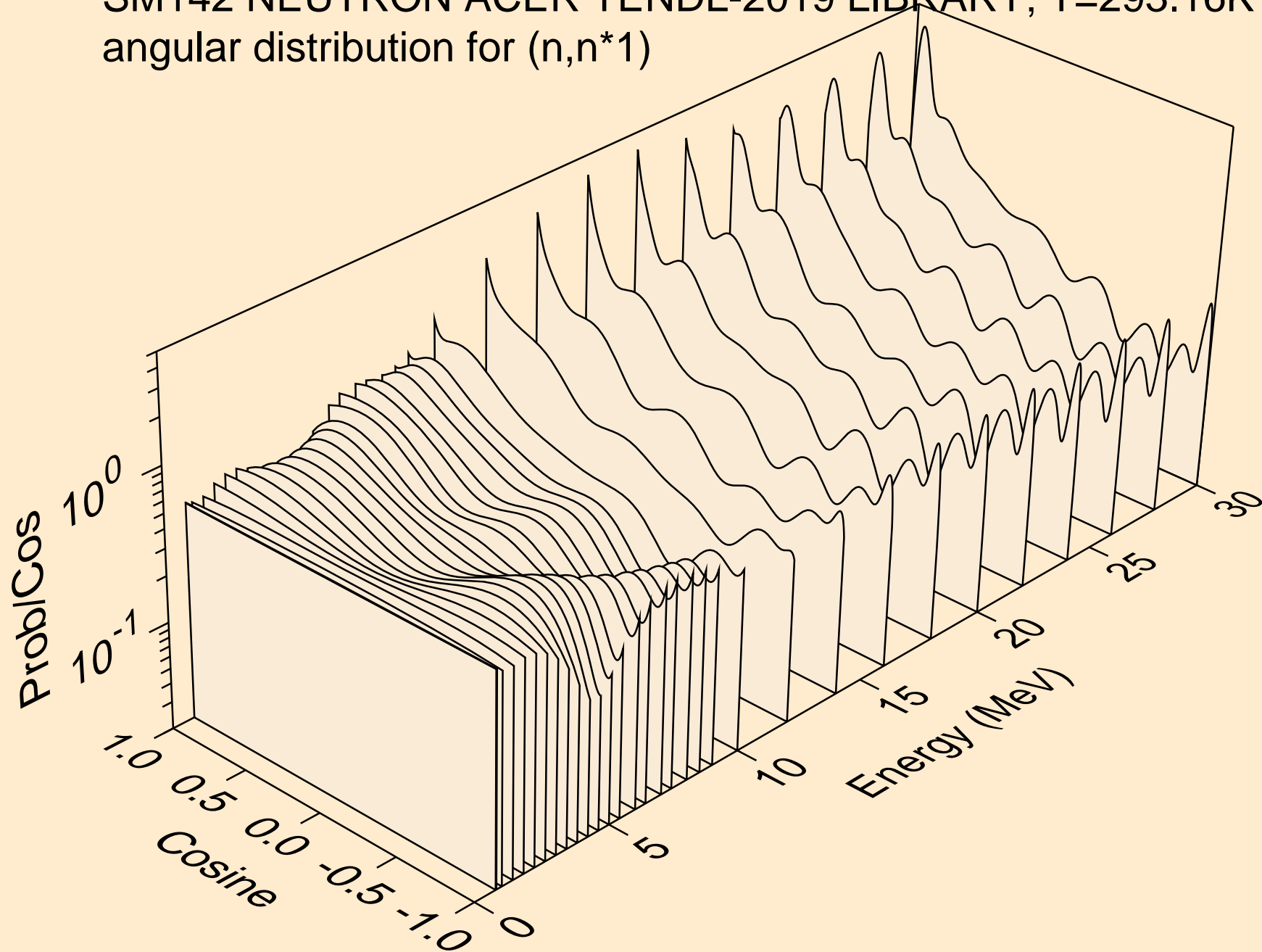
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic

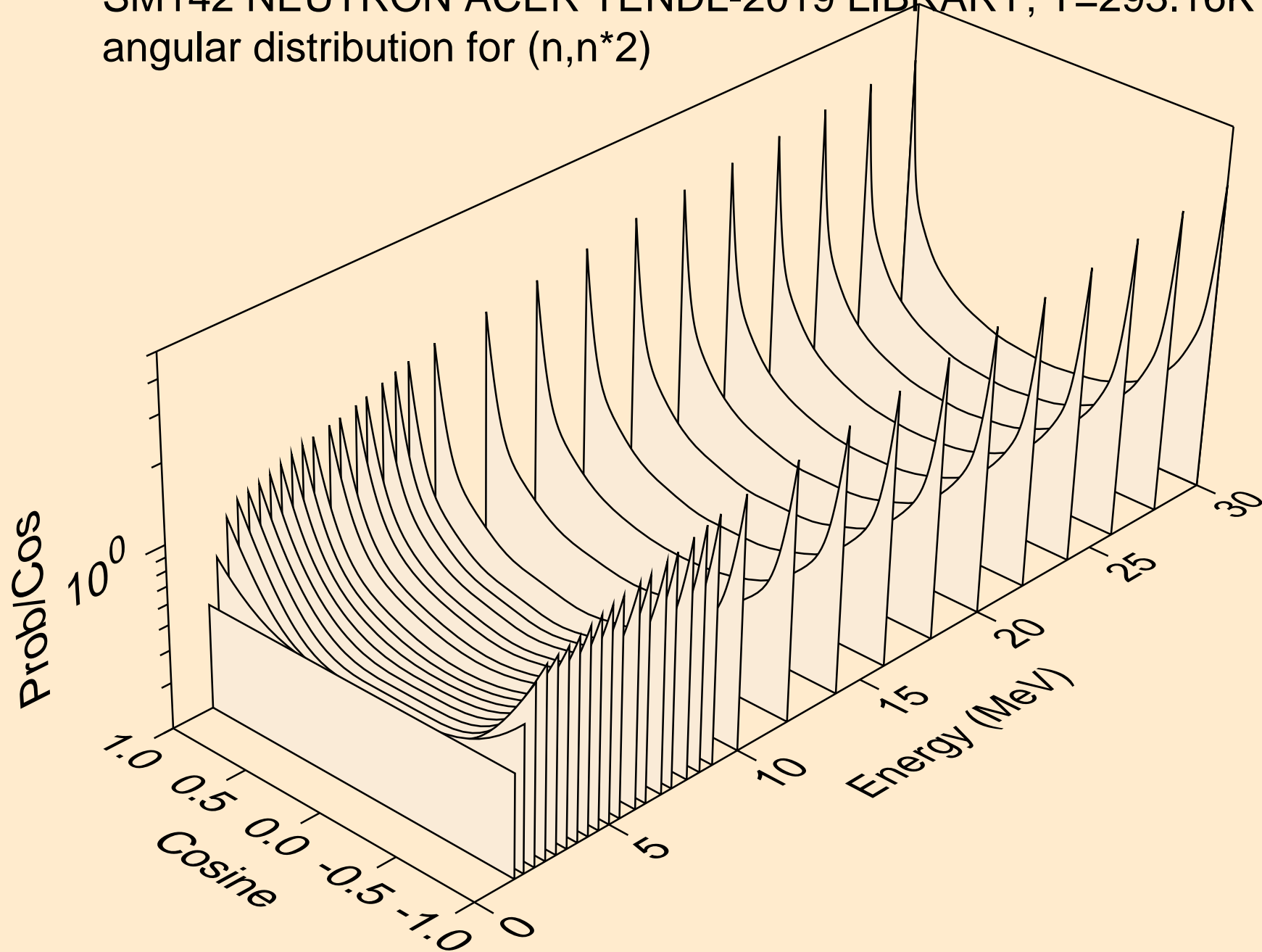


SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)

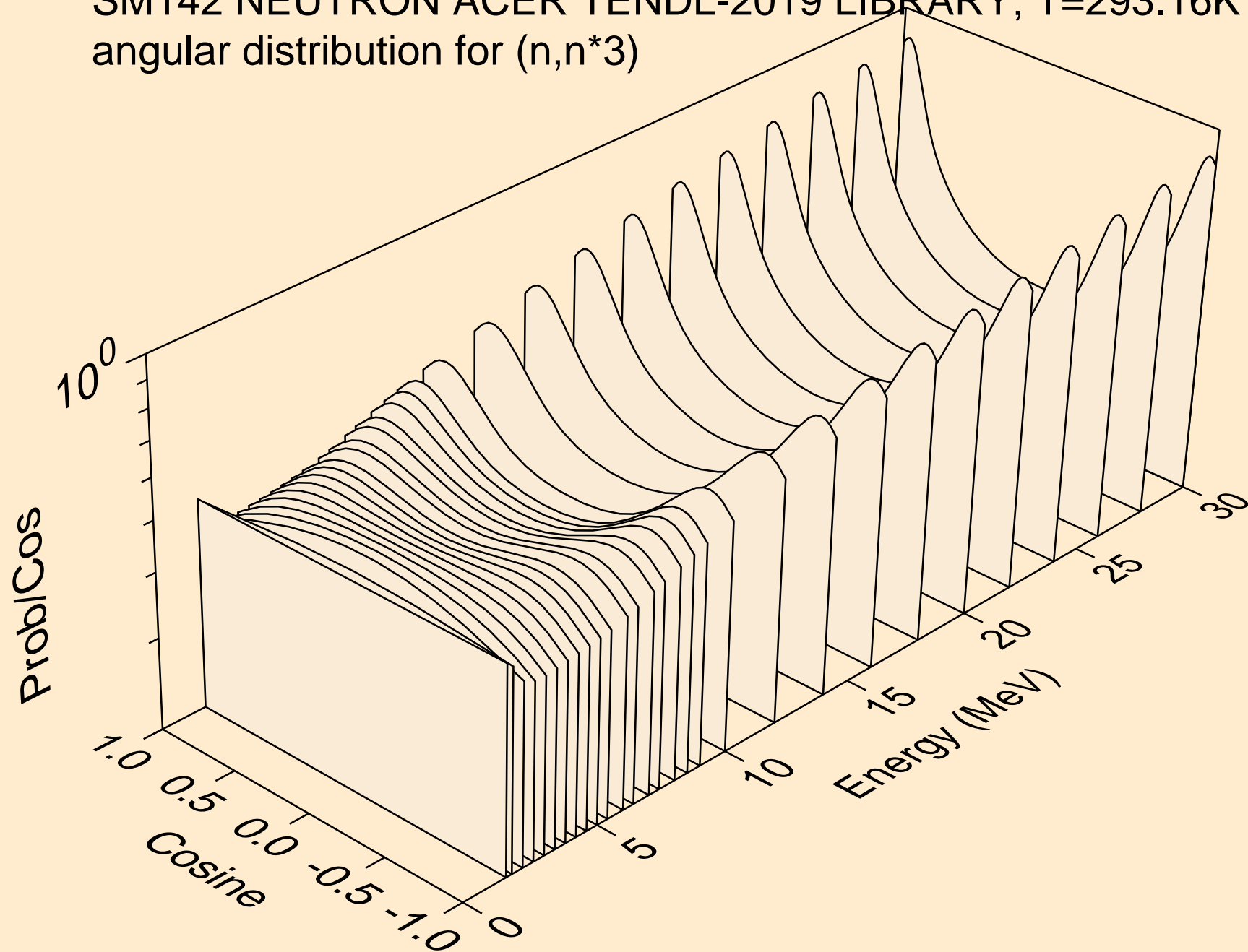




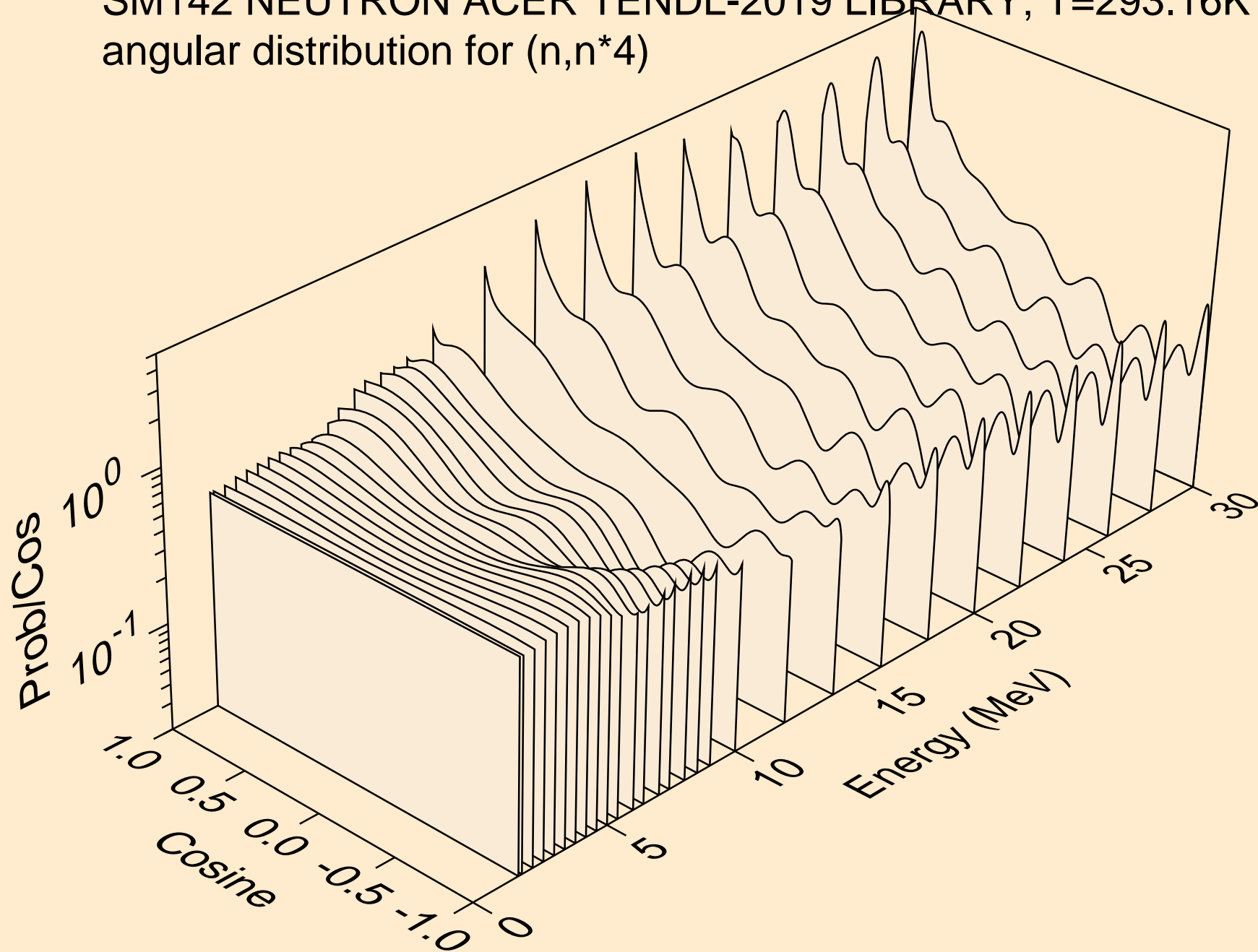
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)



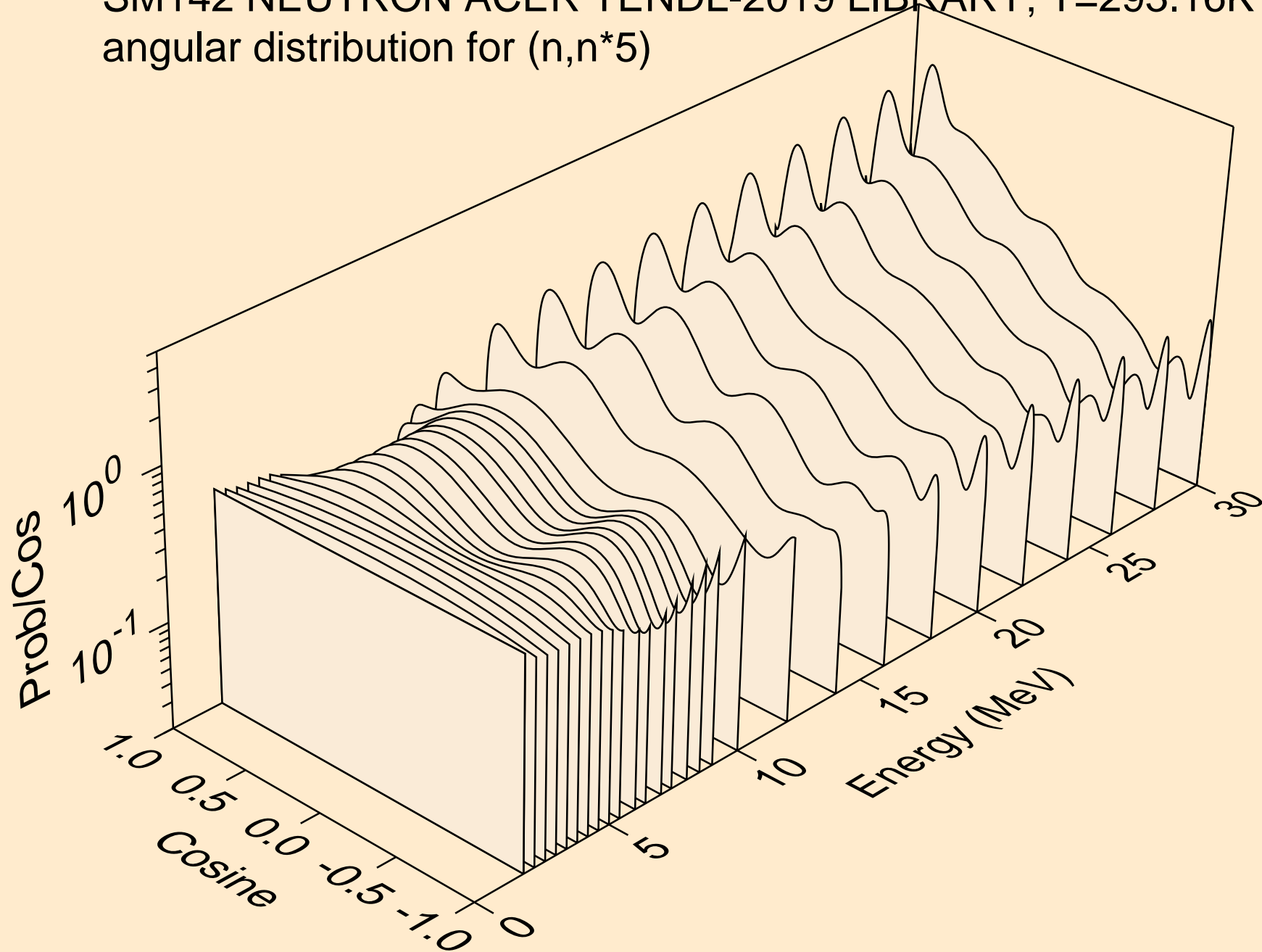
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*3)



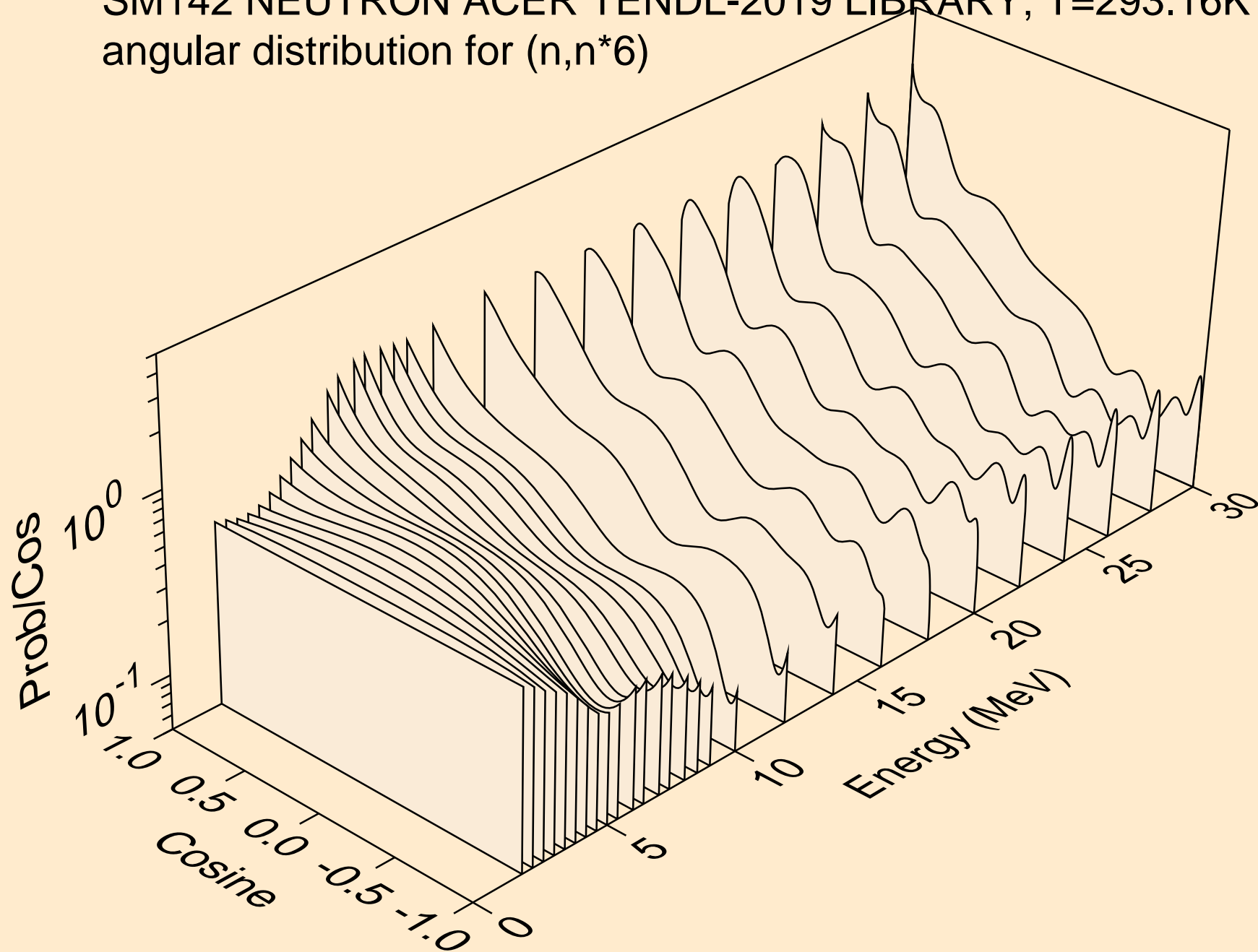
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*4)



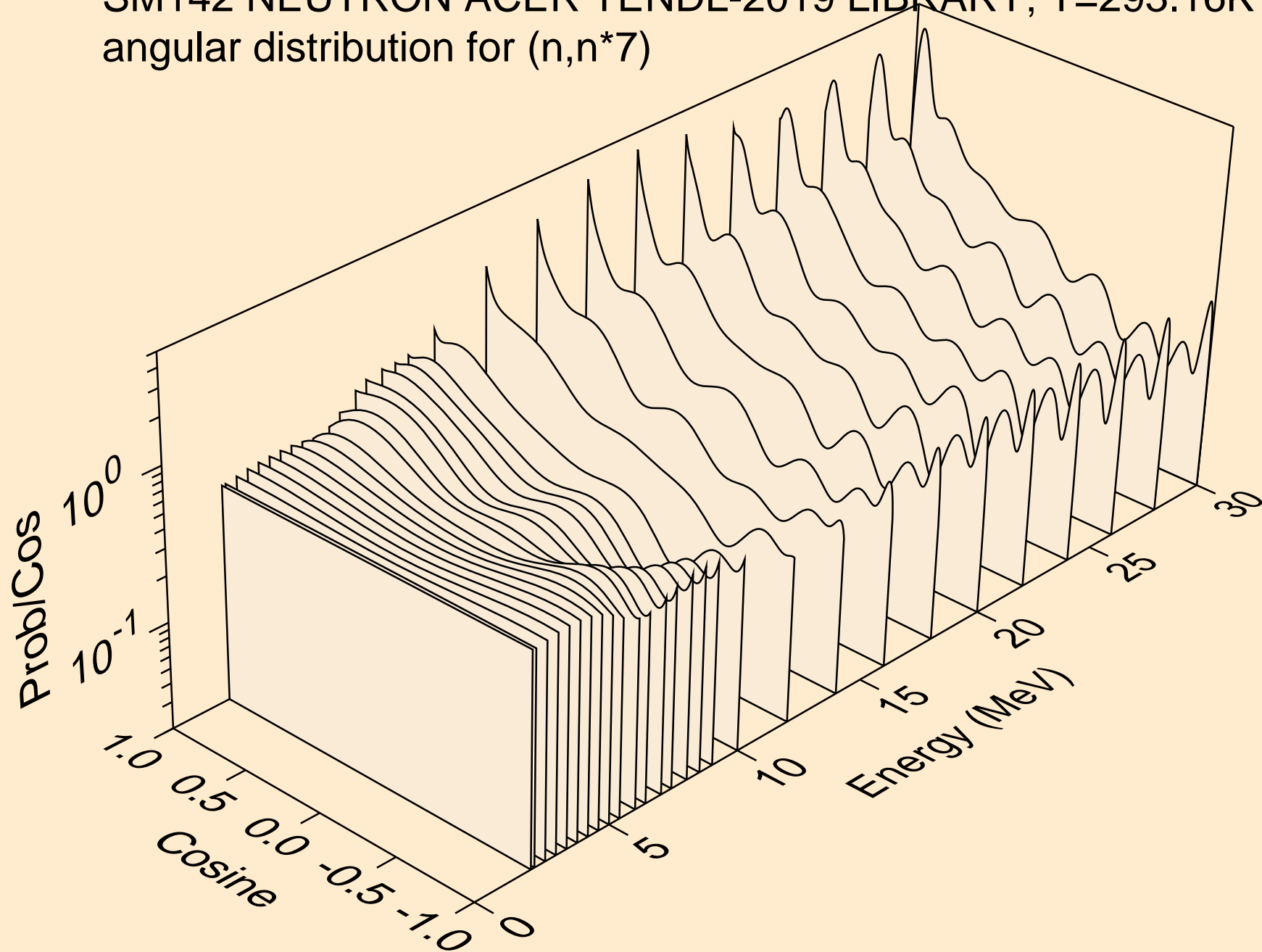
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*5)



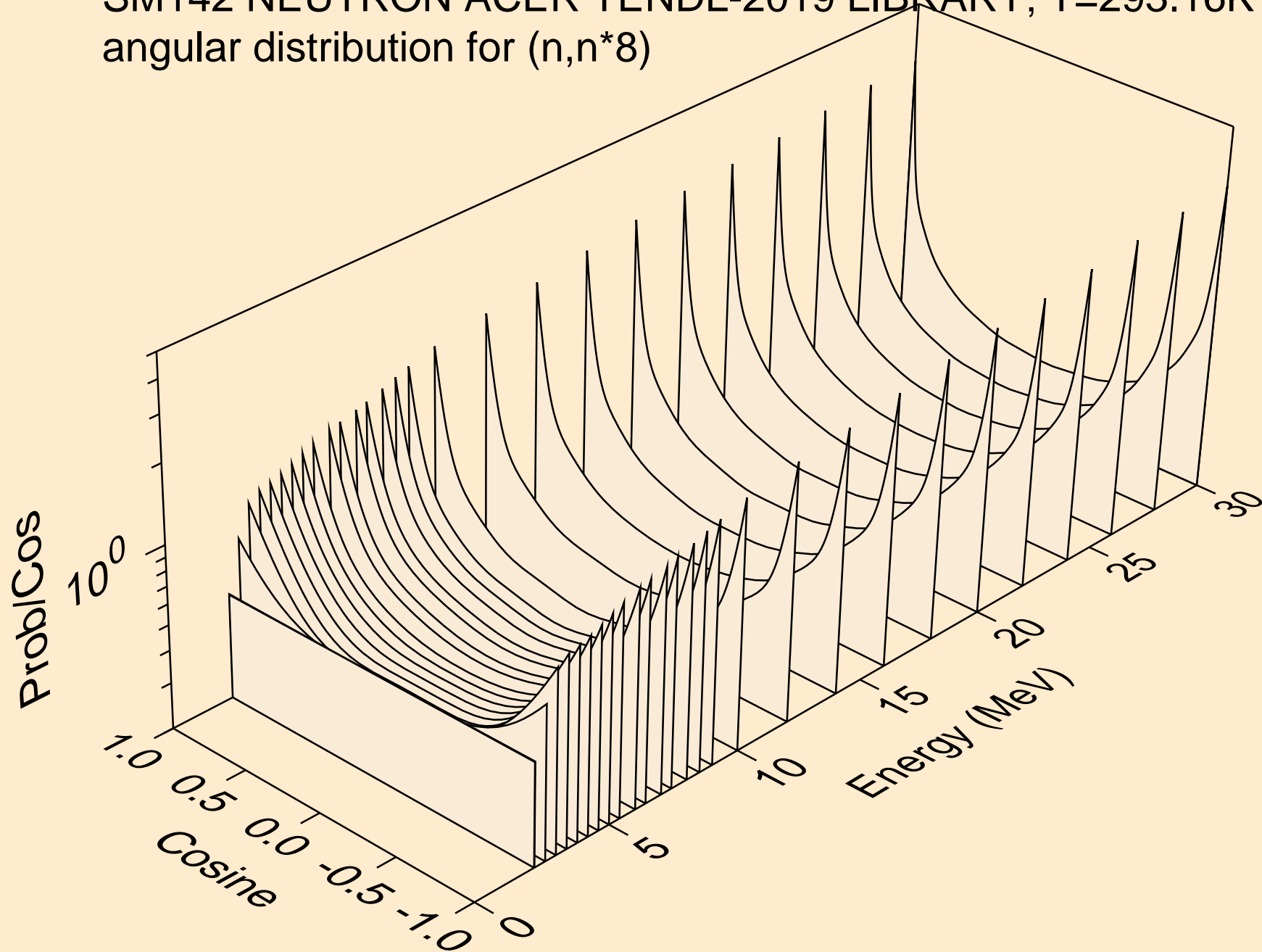
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*6)



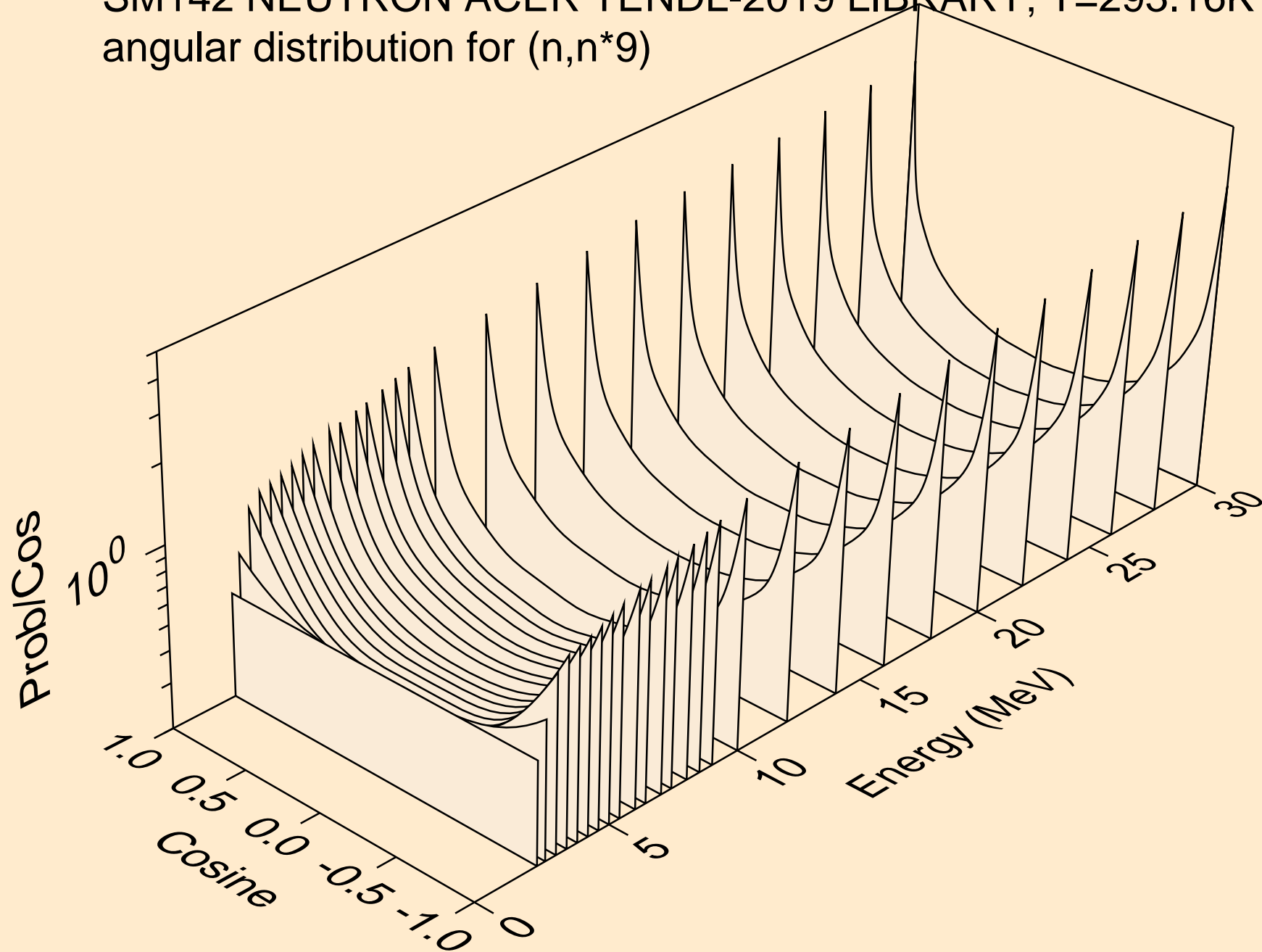
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)



SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)

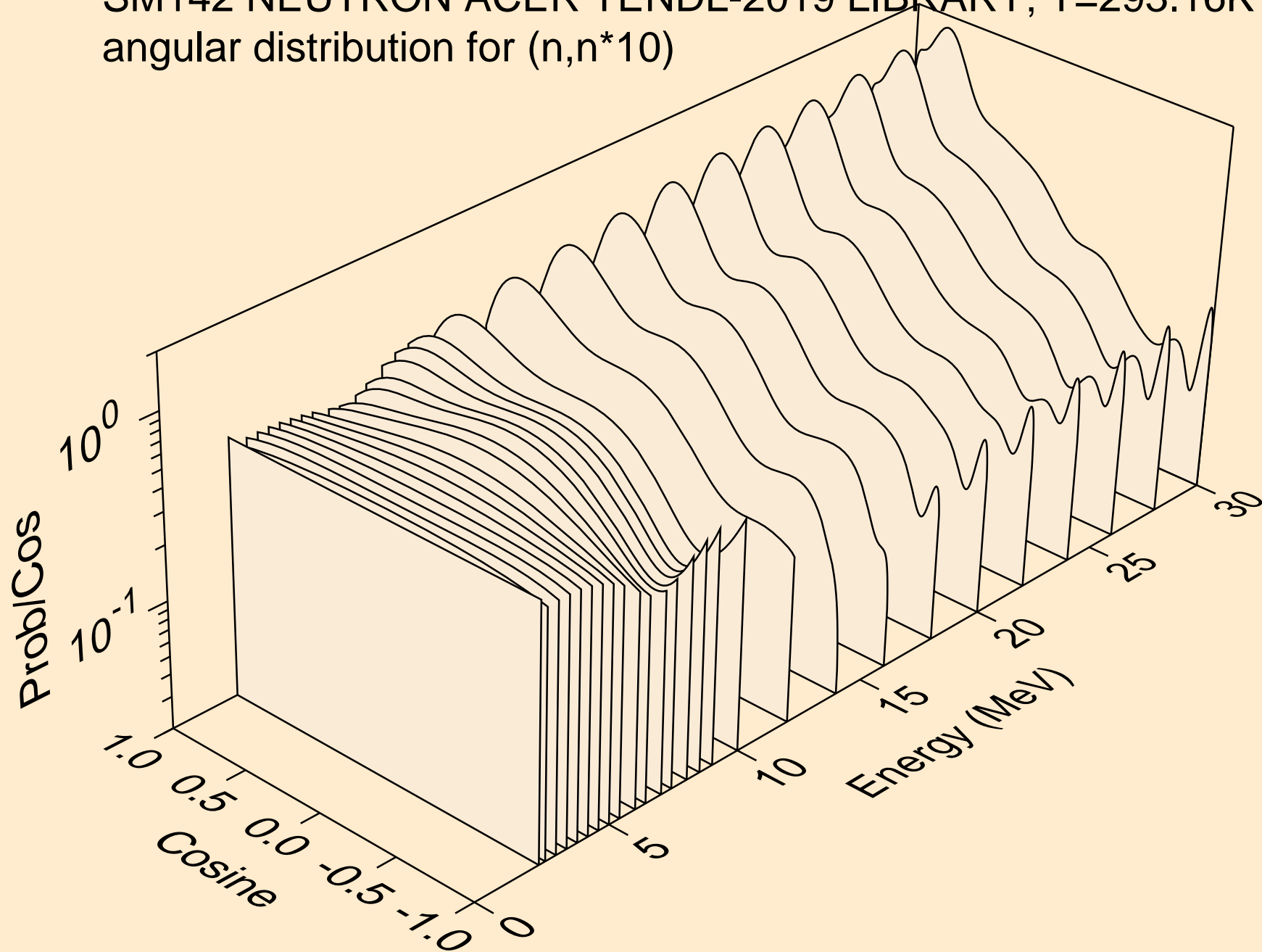


SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)

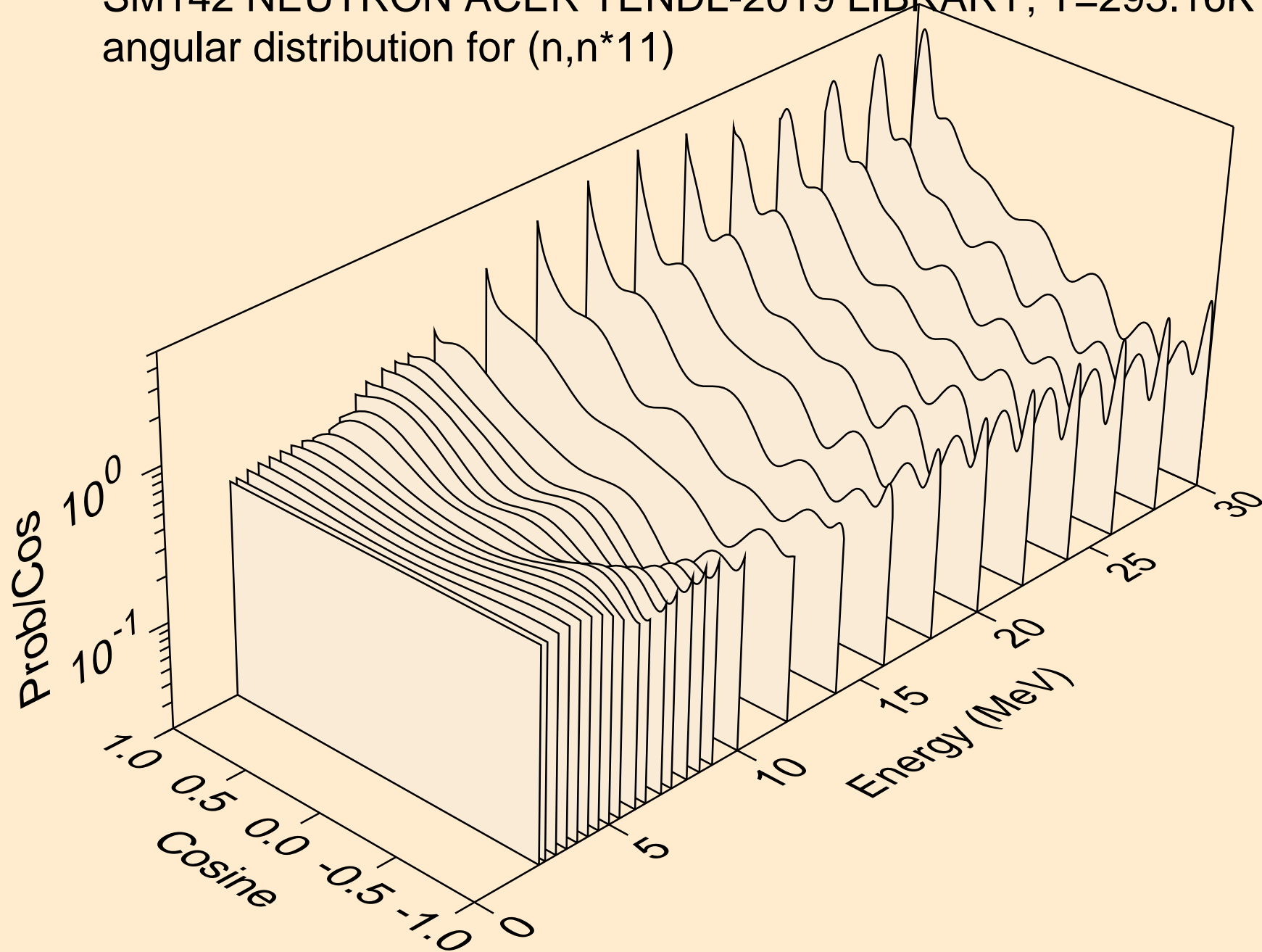




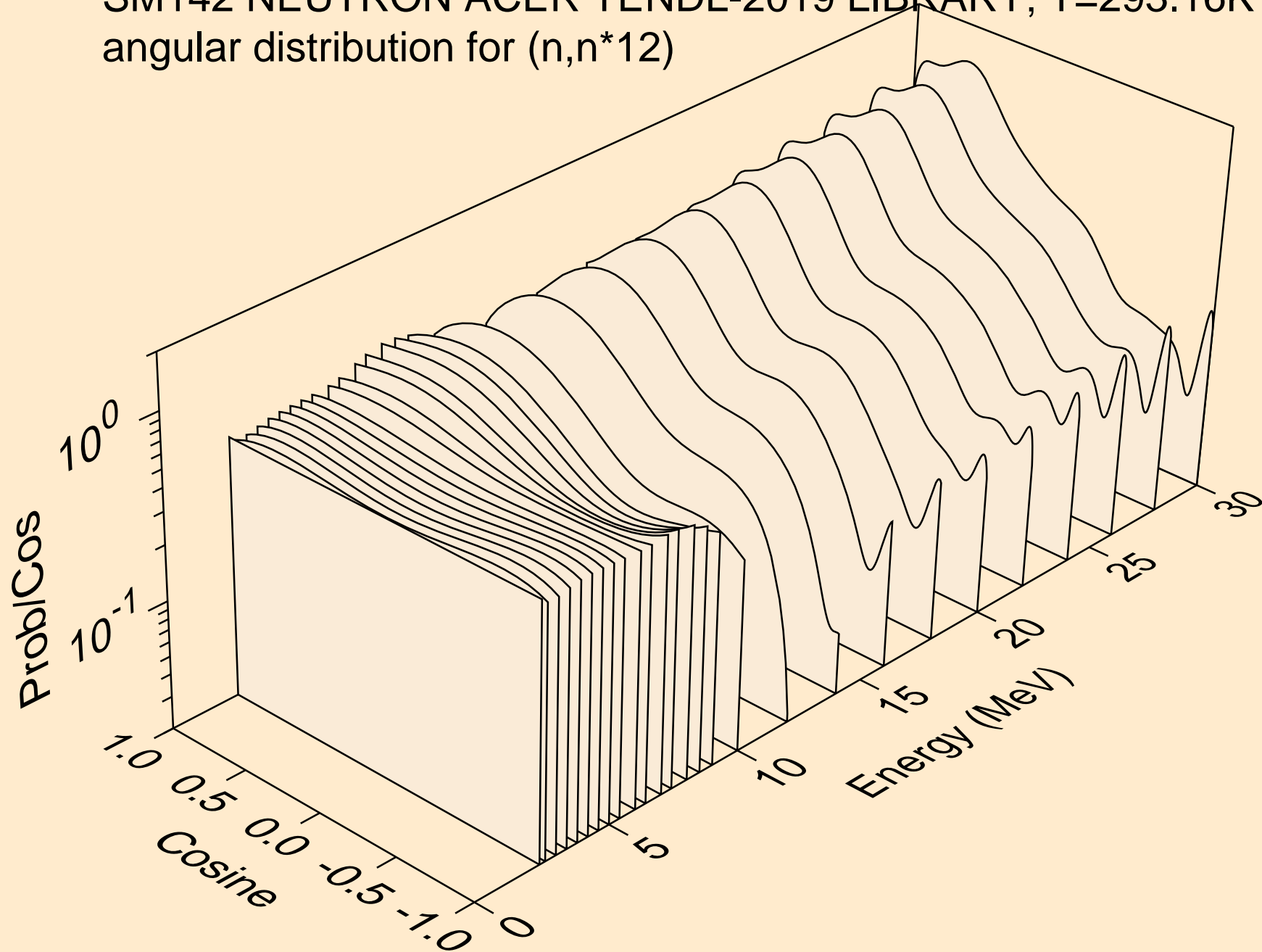
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*10)



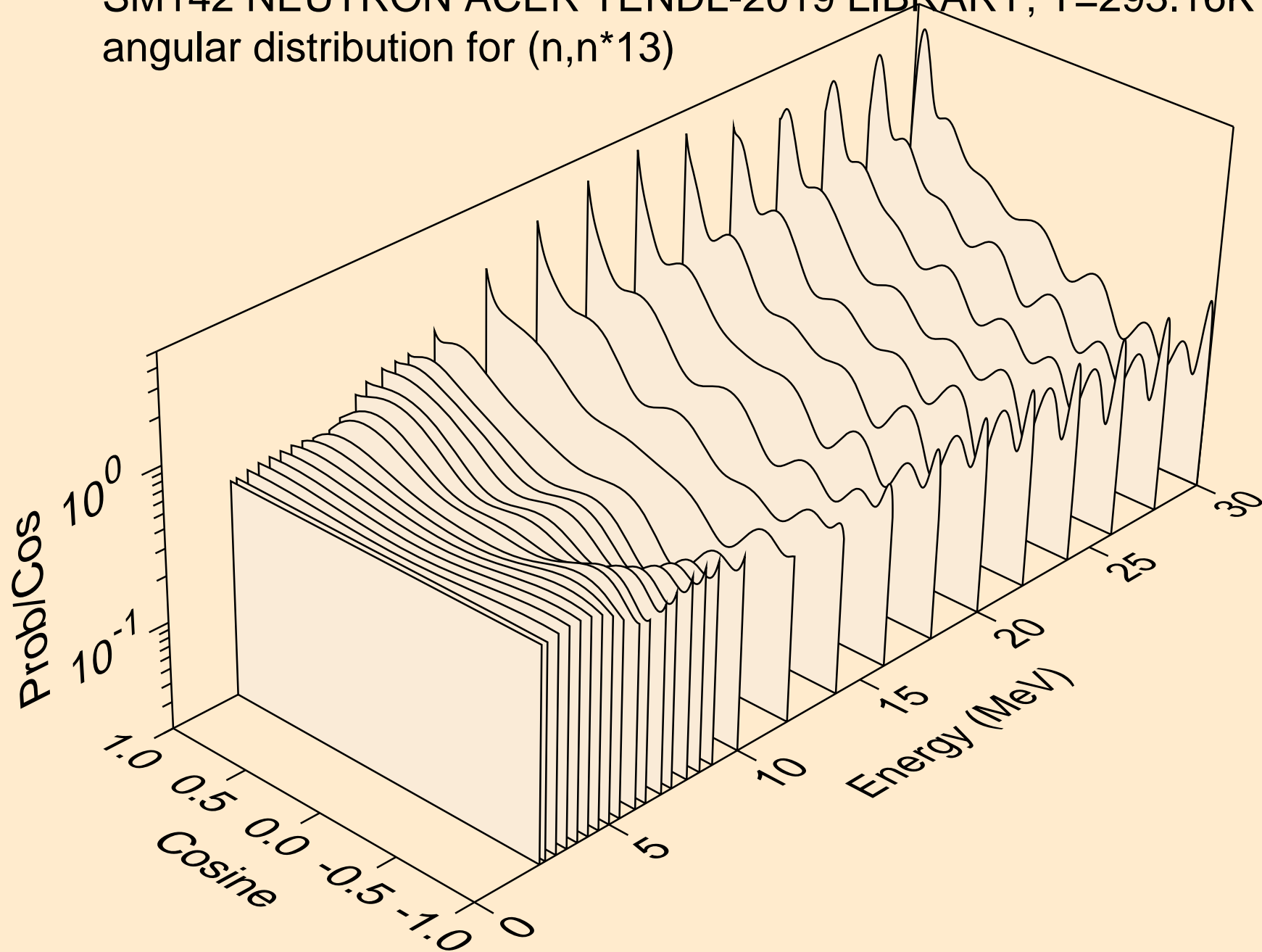
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*11)



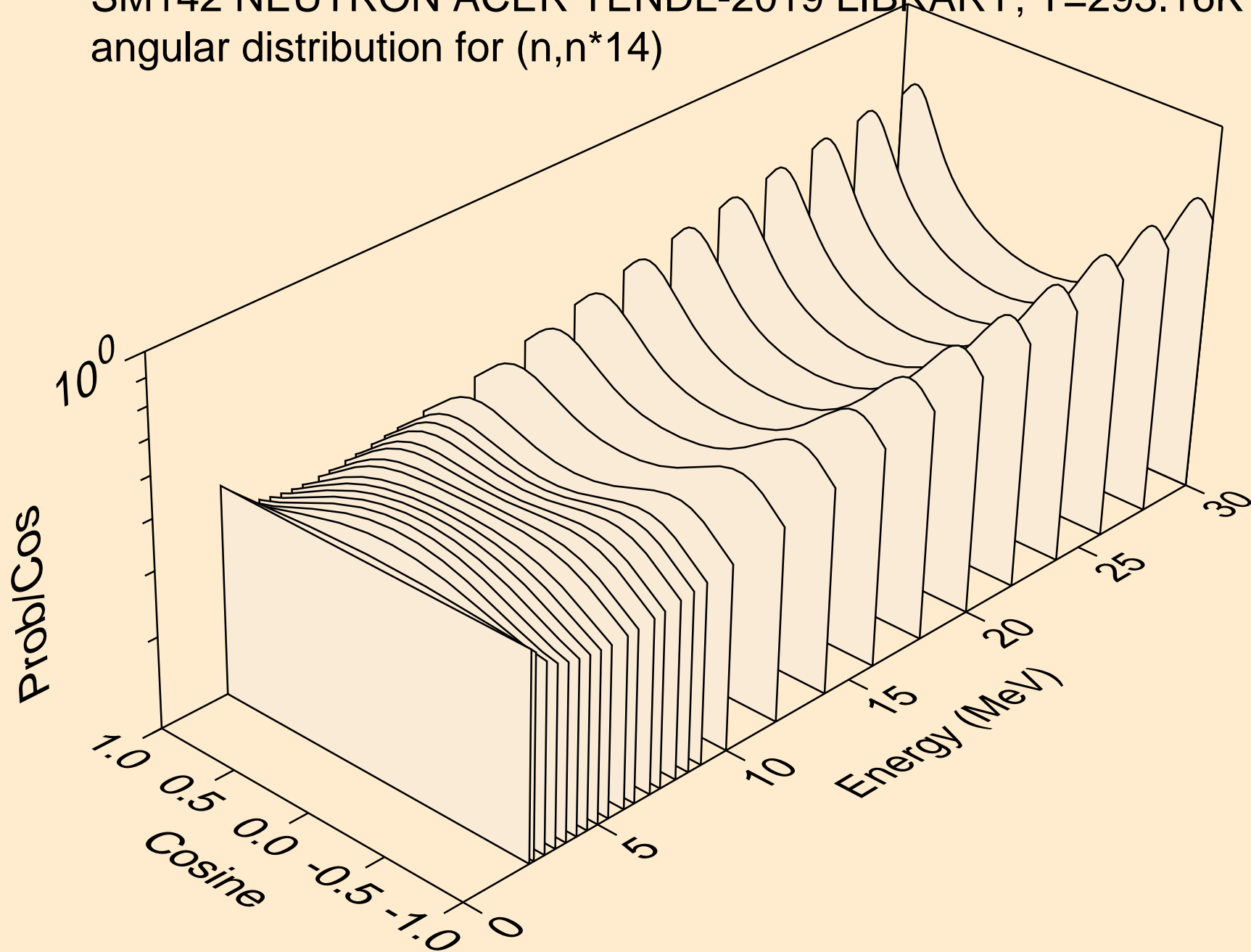
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*12)



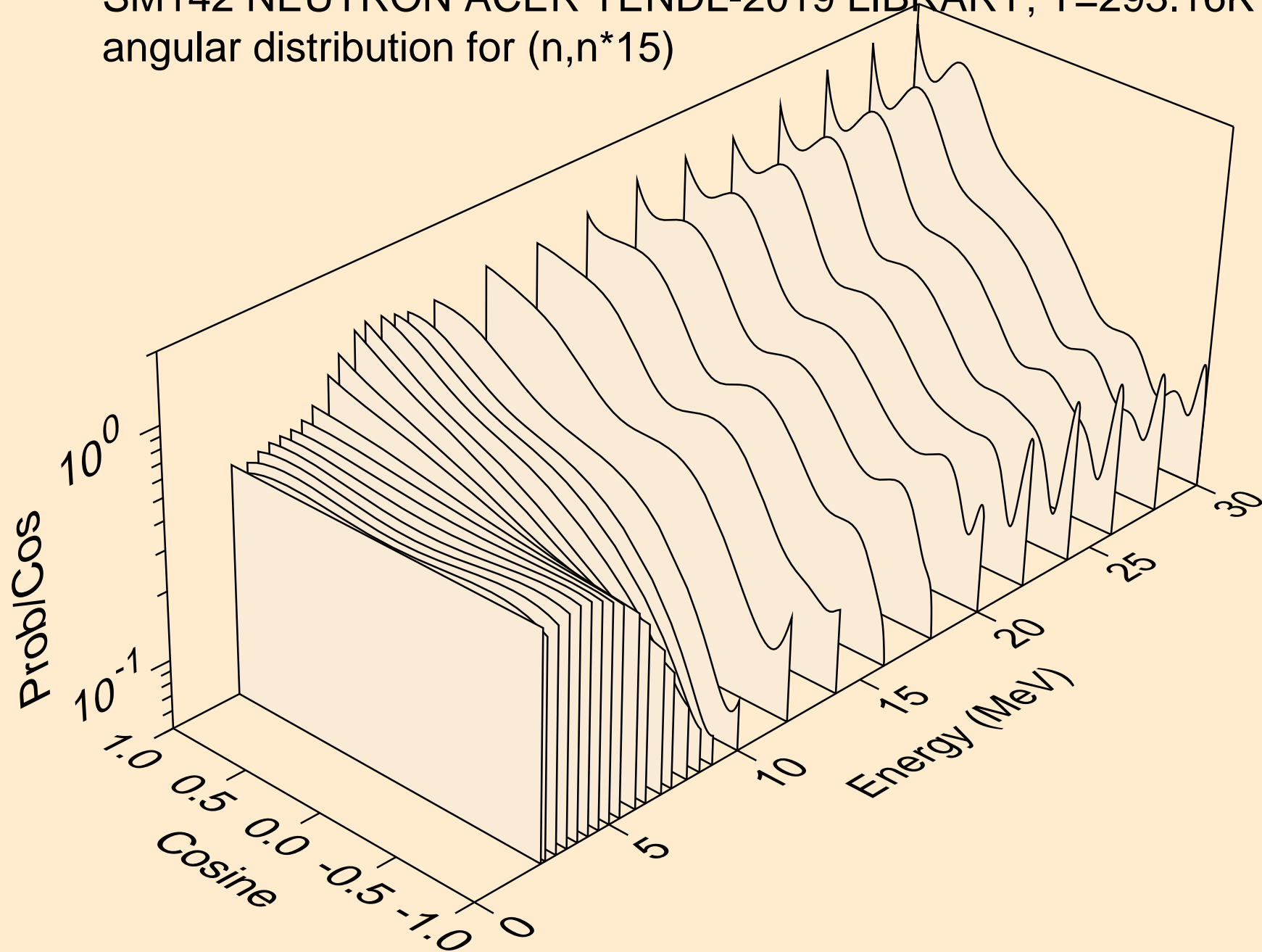
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*13)



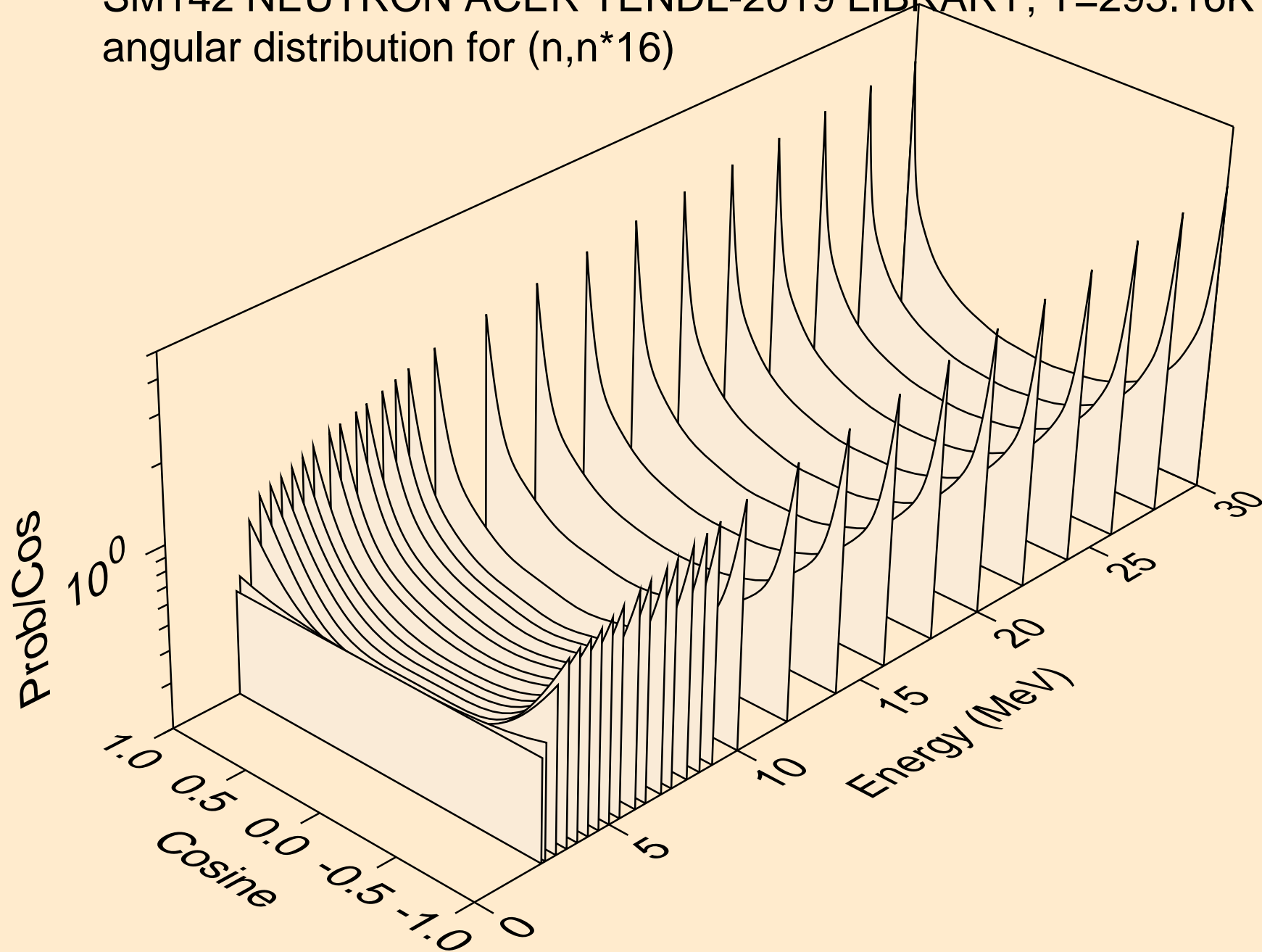
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*14)



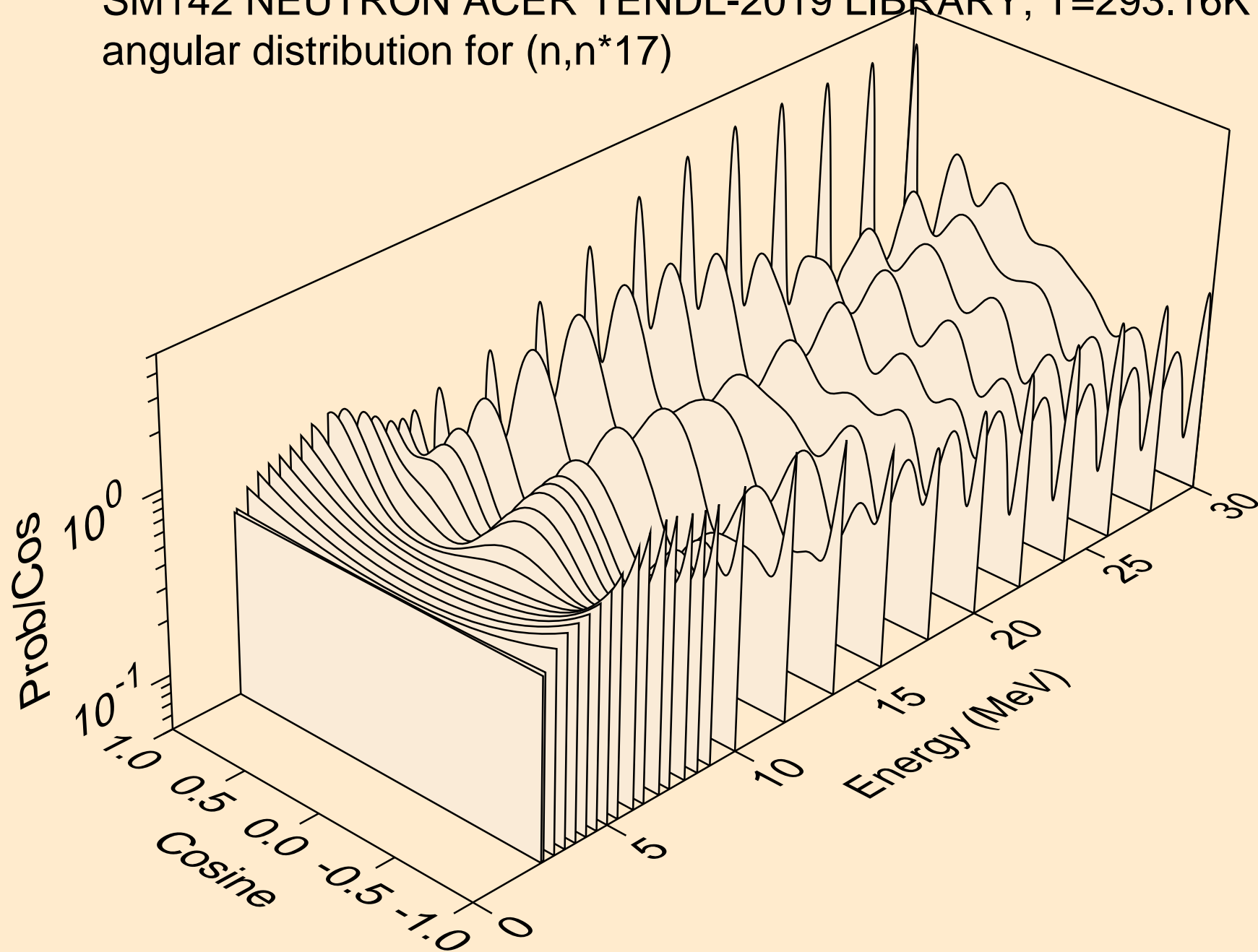
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*15)



SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*16)

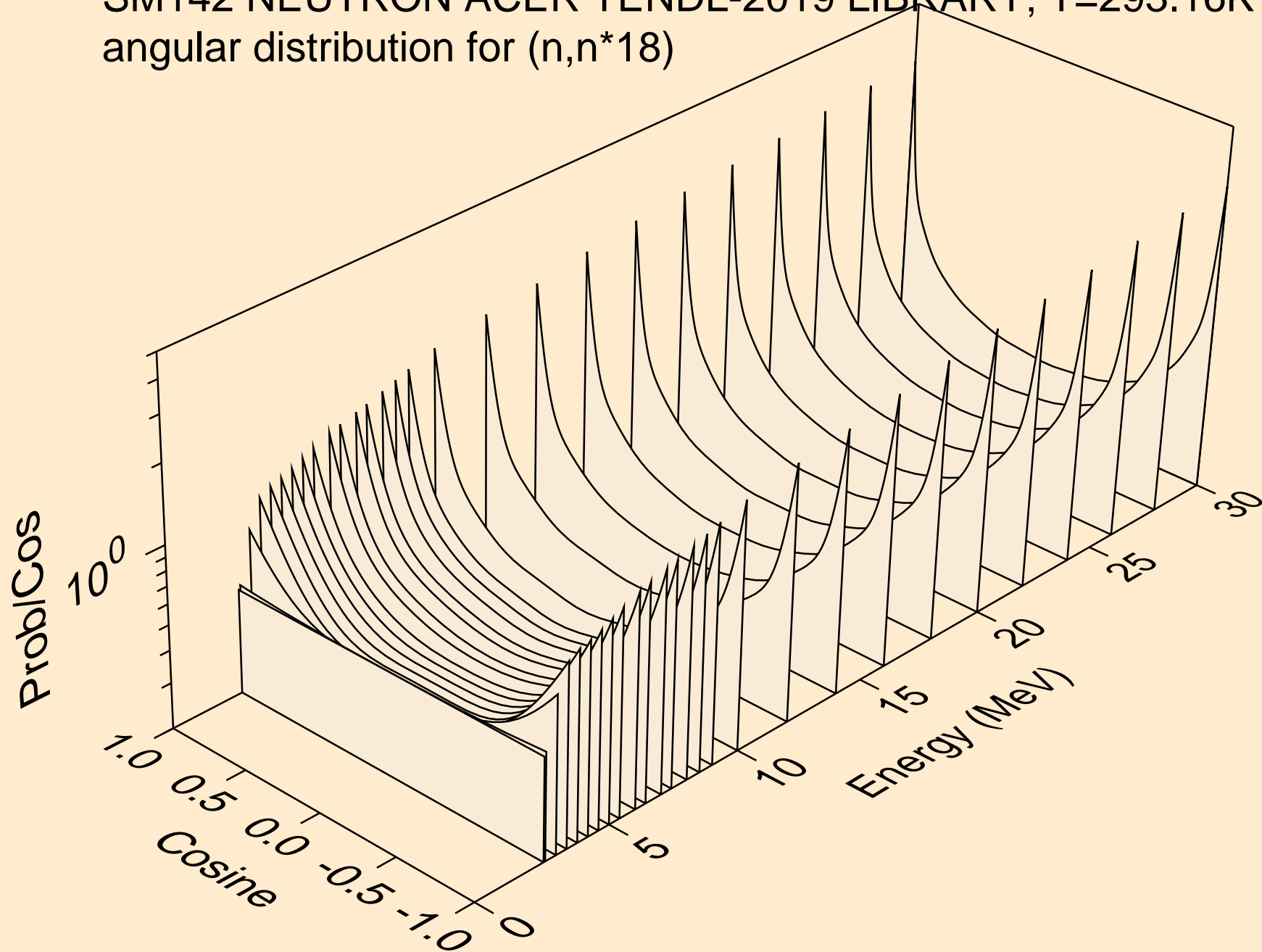


SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*17)

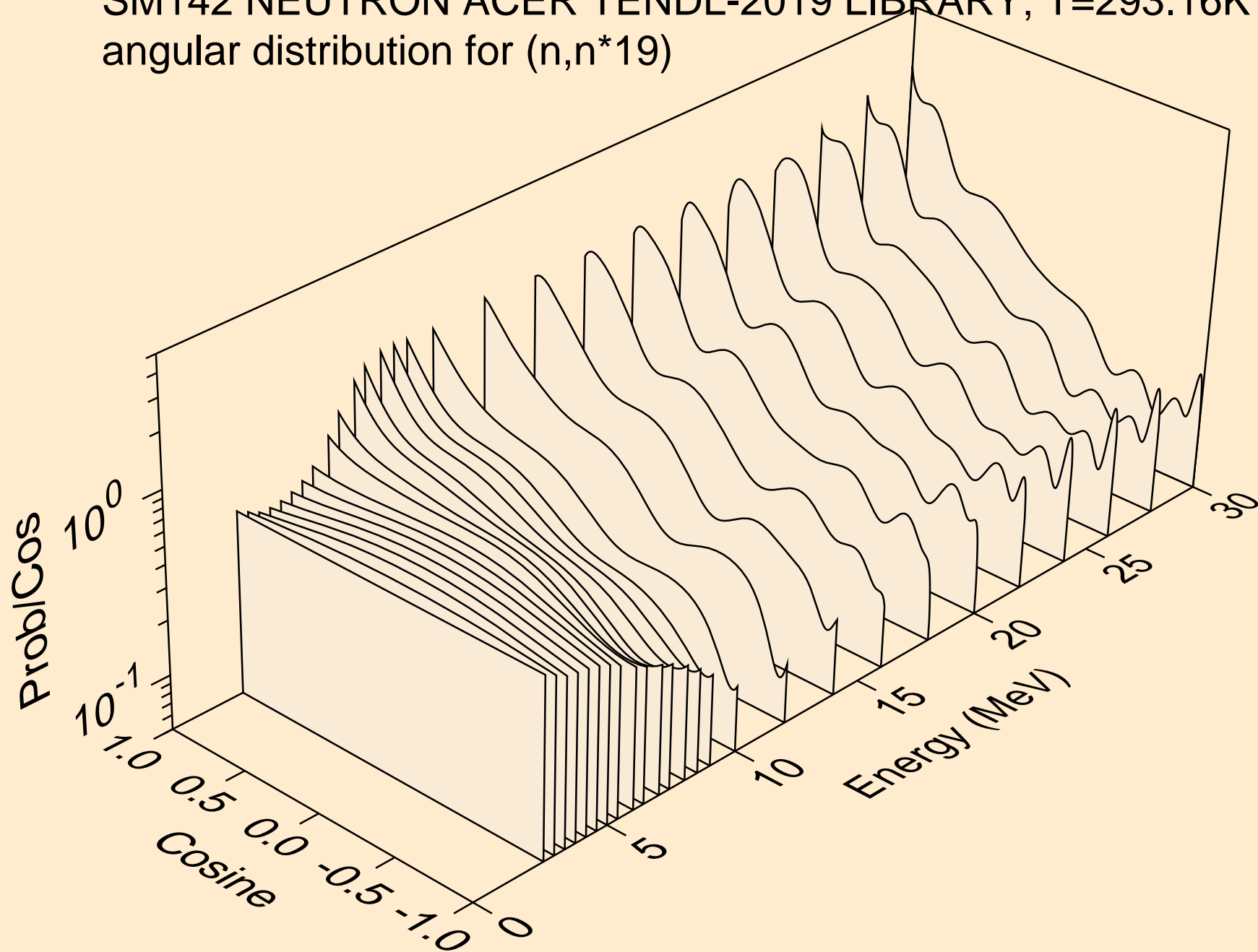




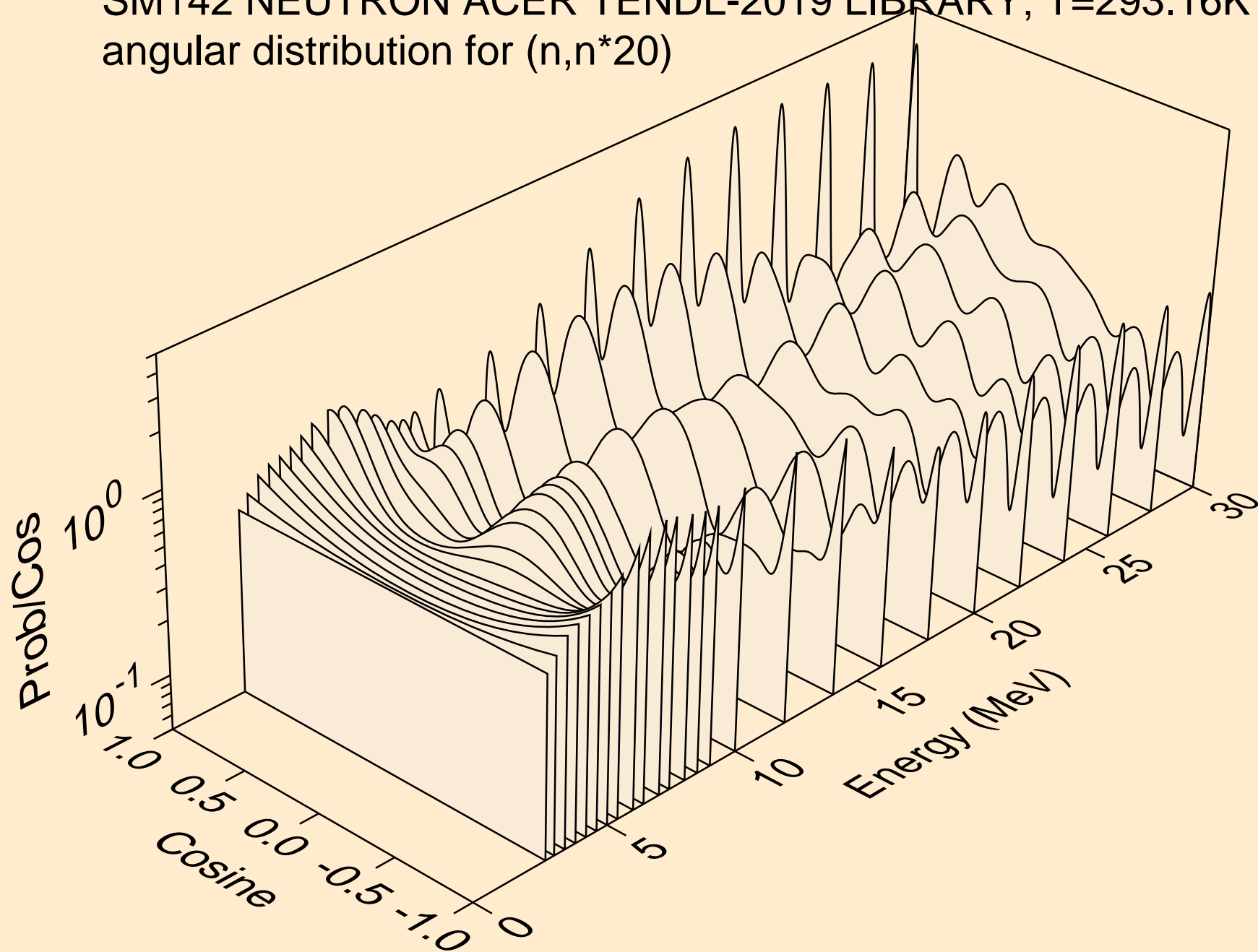
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*18)



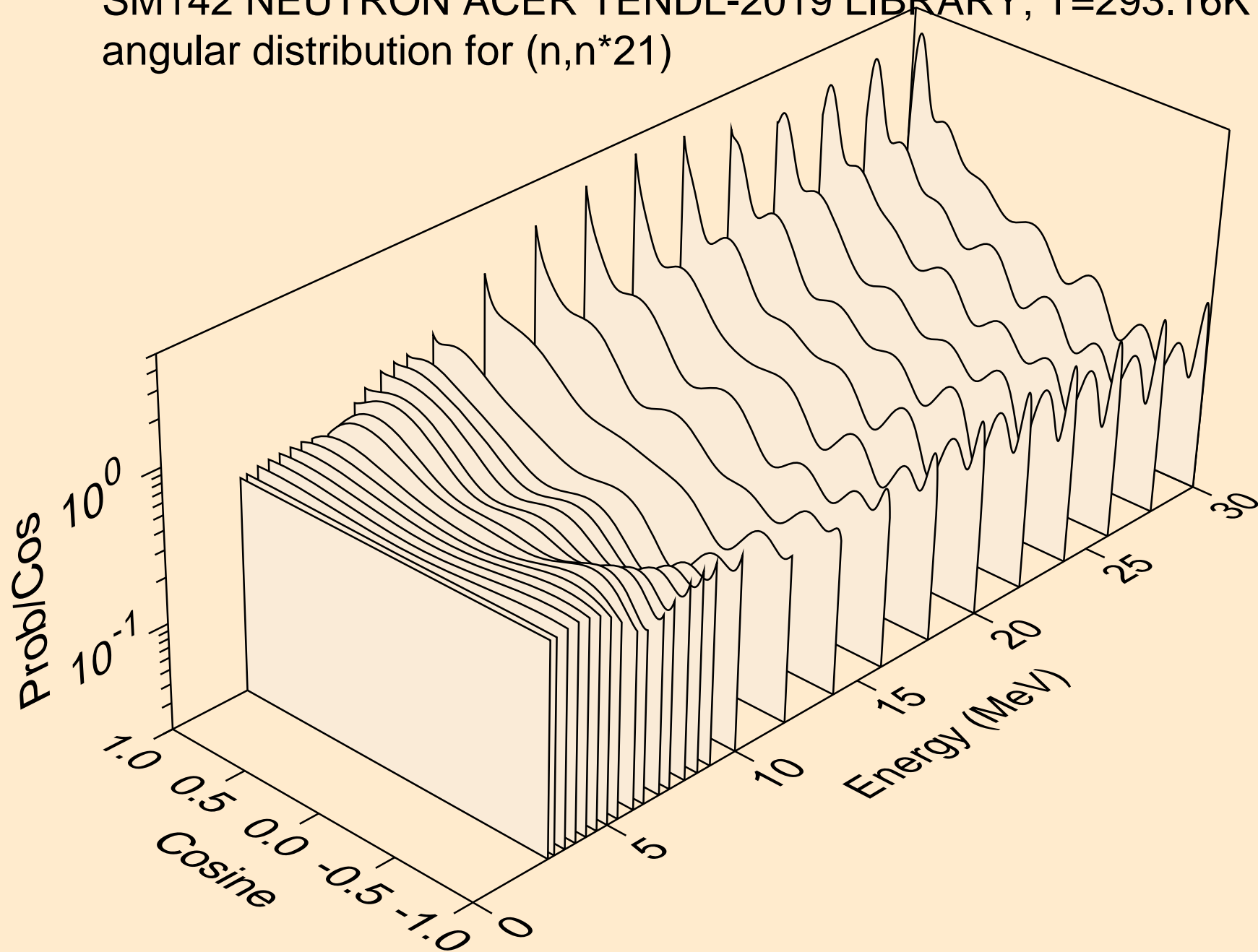
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*19)



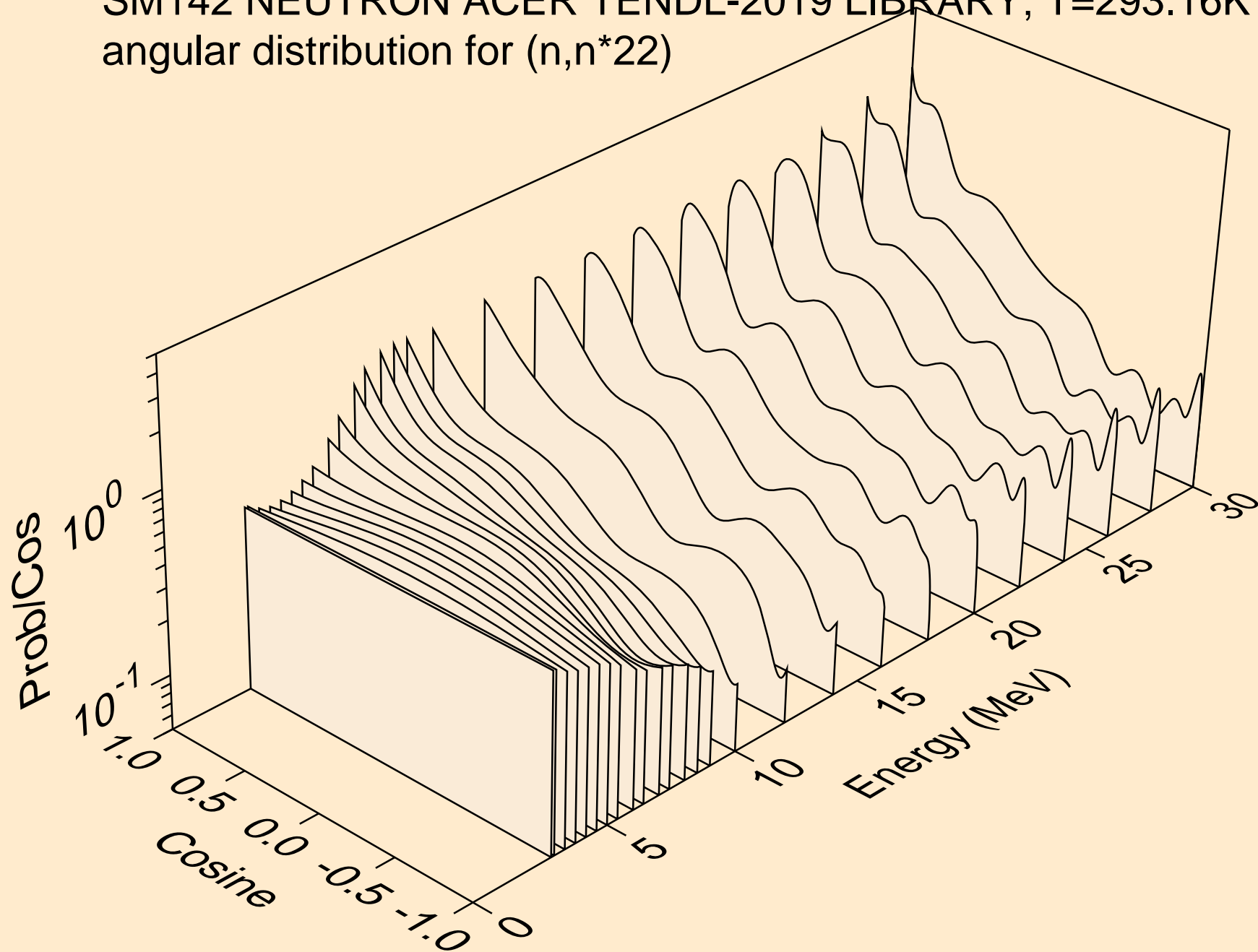
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*20)



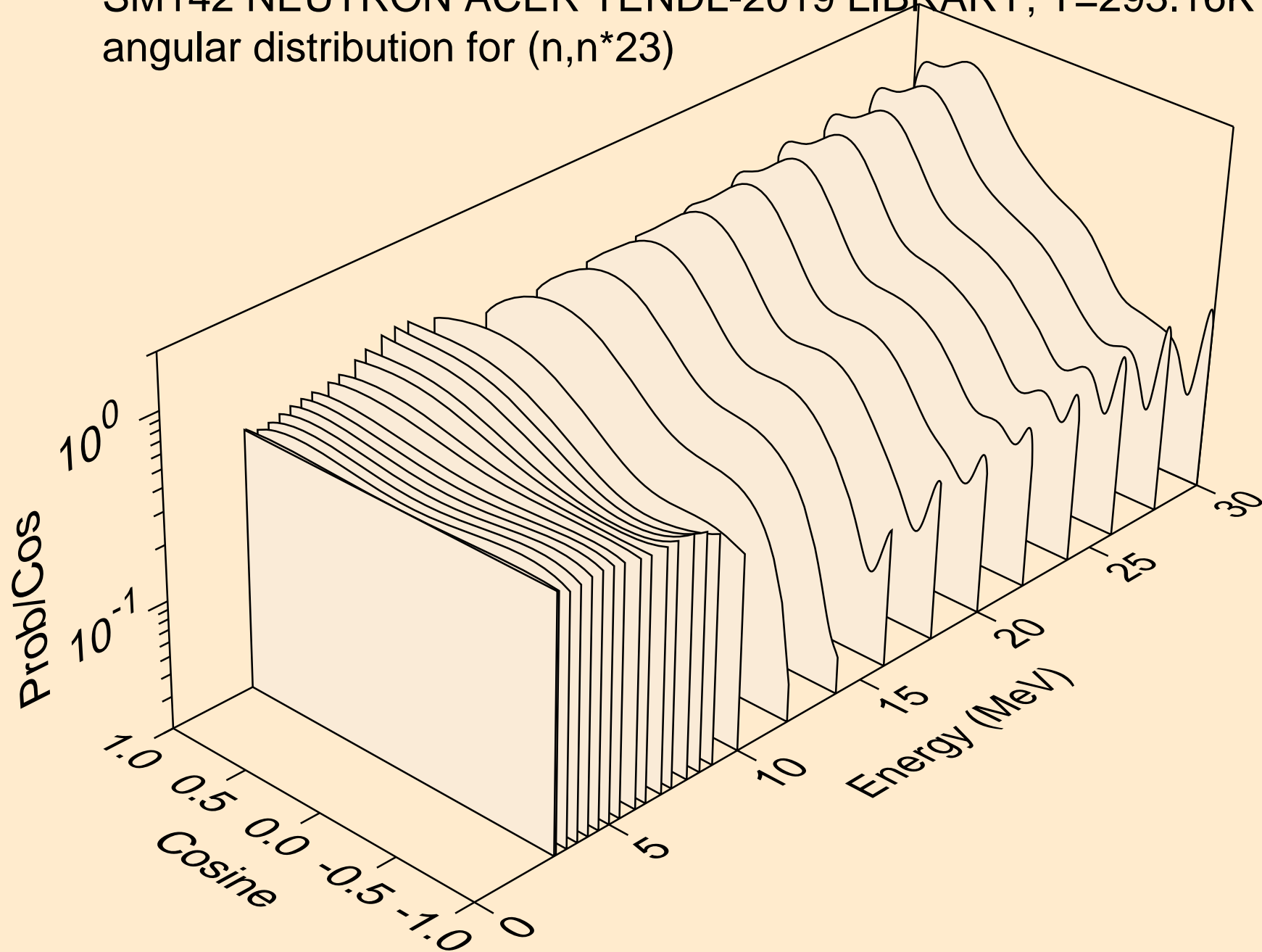
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*21)



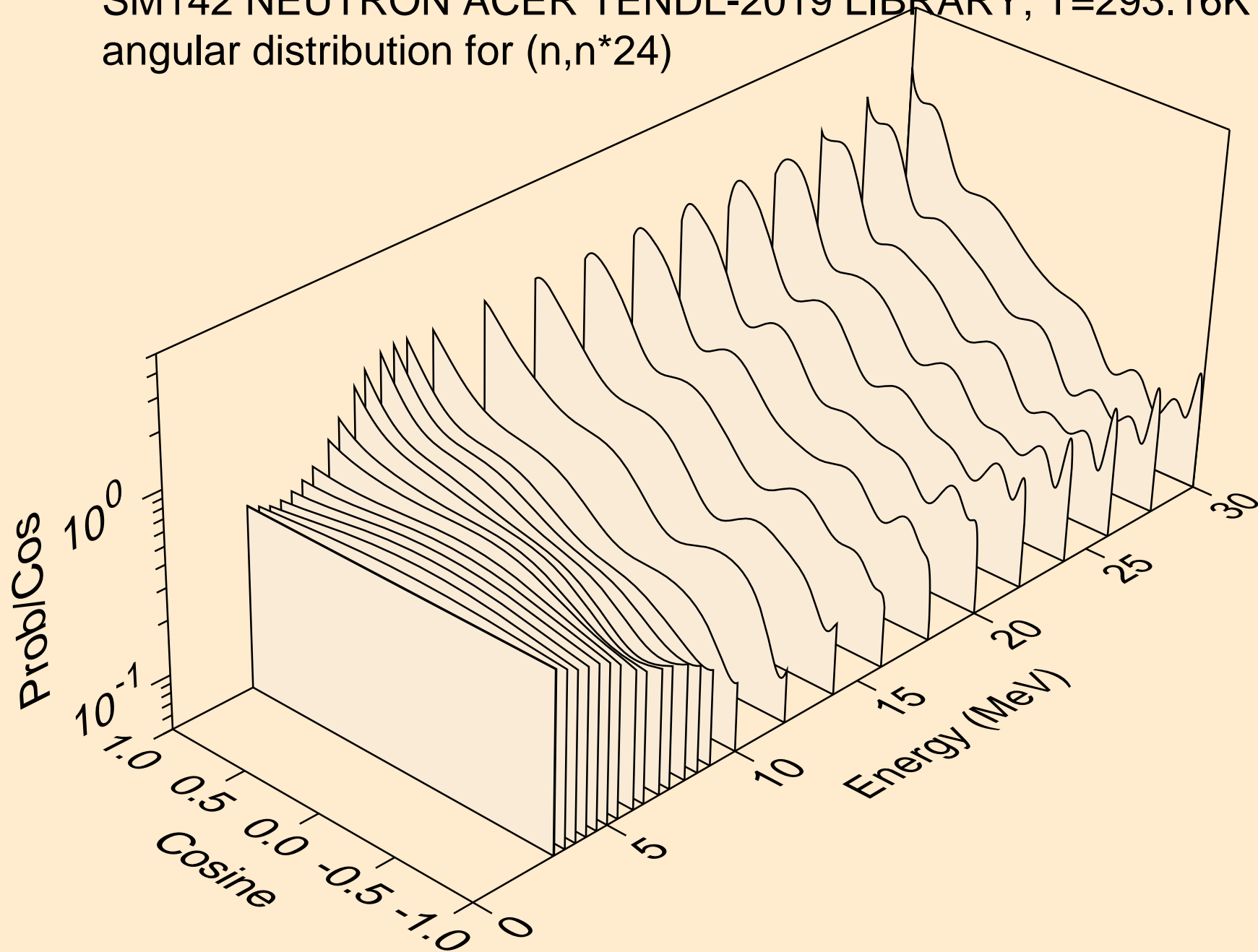
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*22)



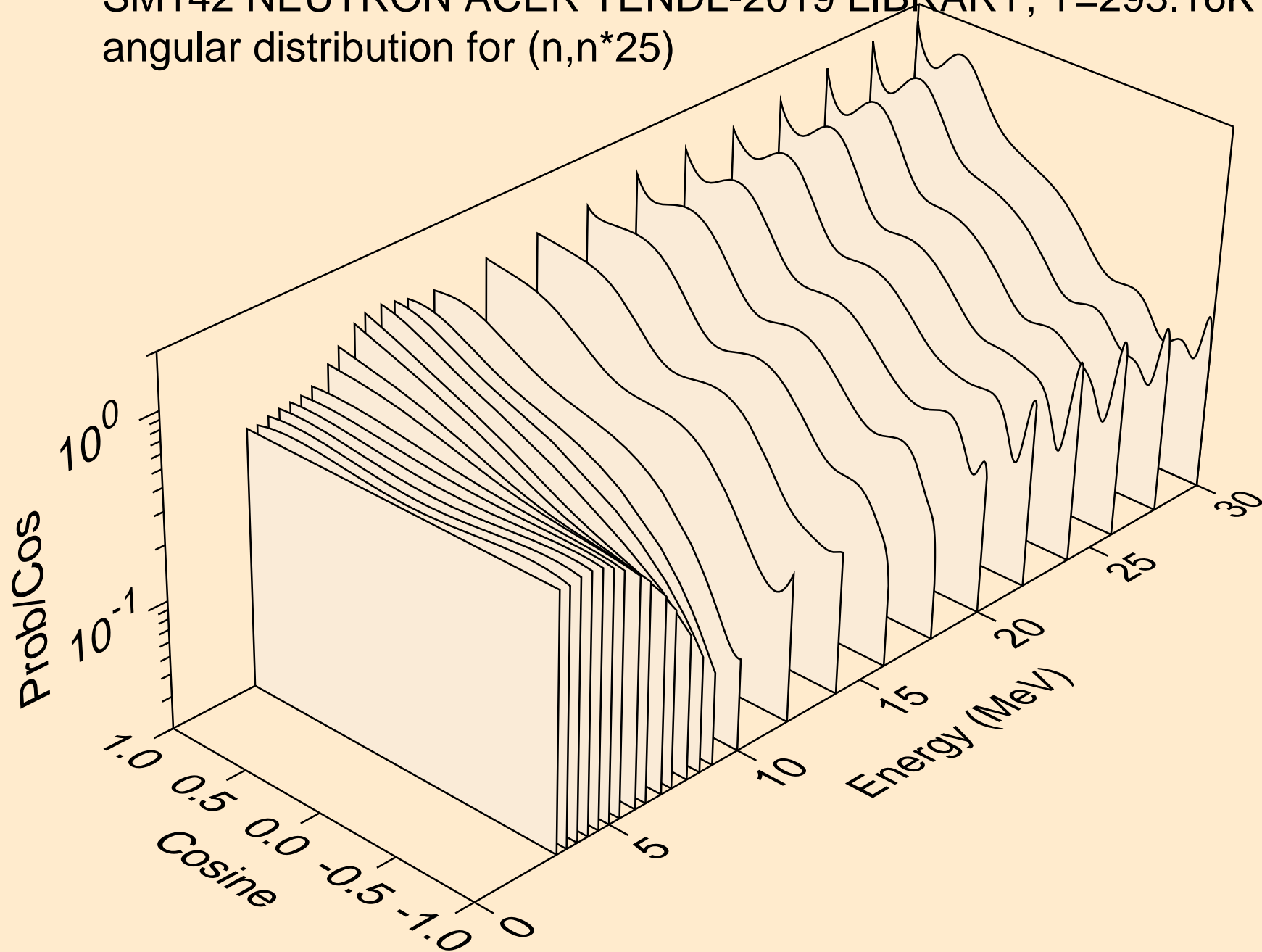
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*23)



SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*24)

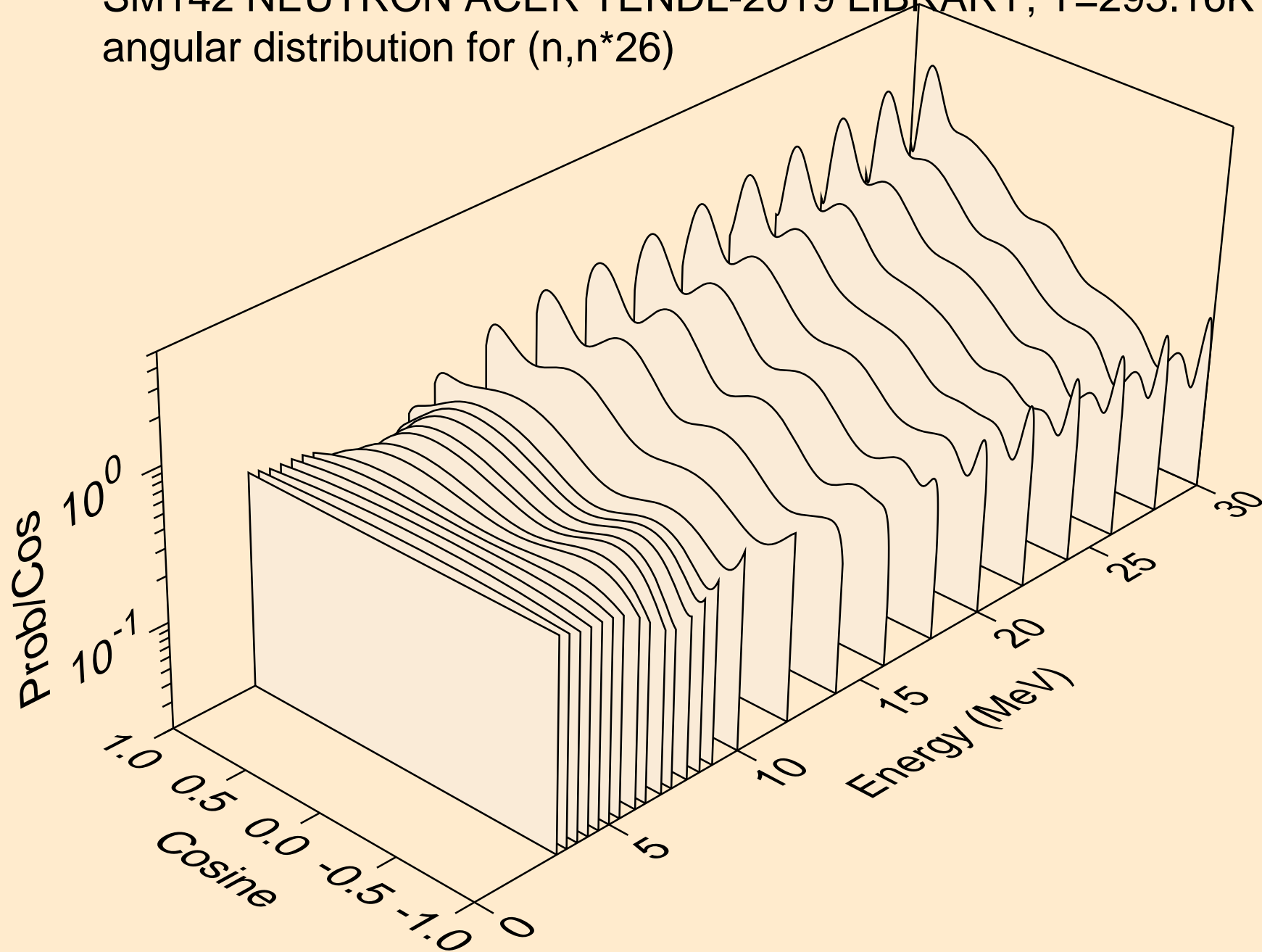


SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*25)

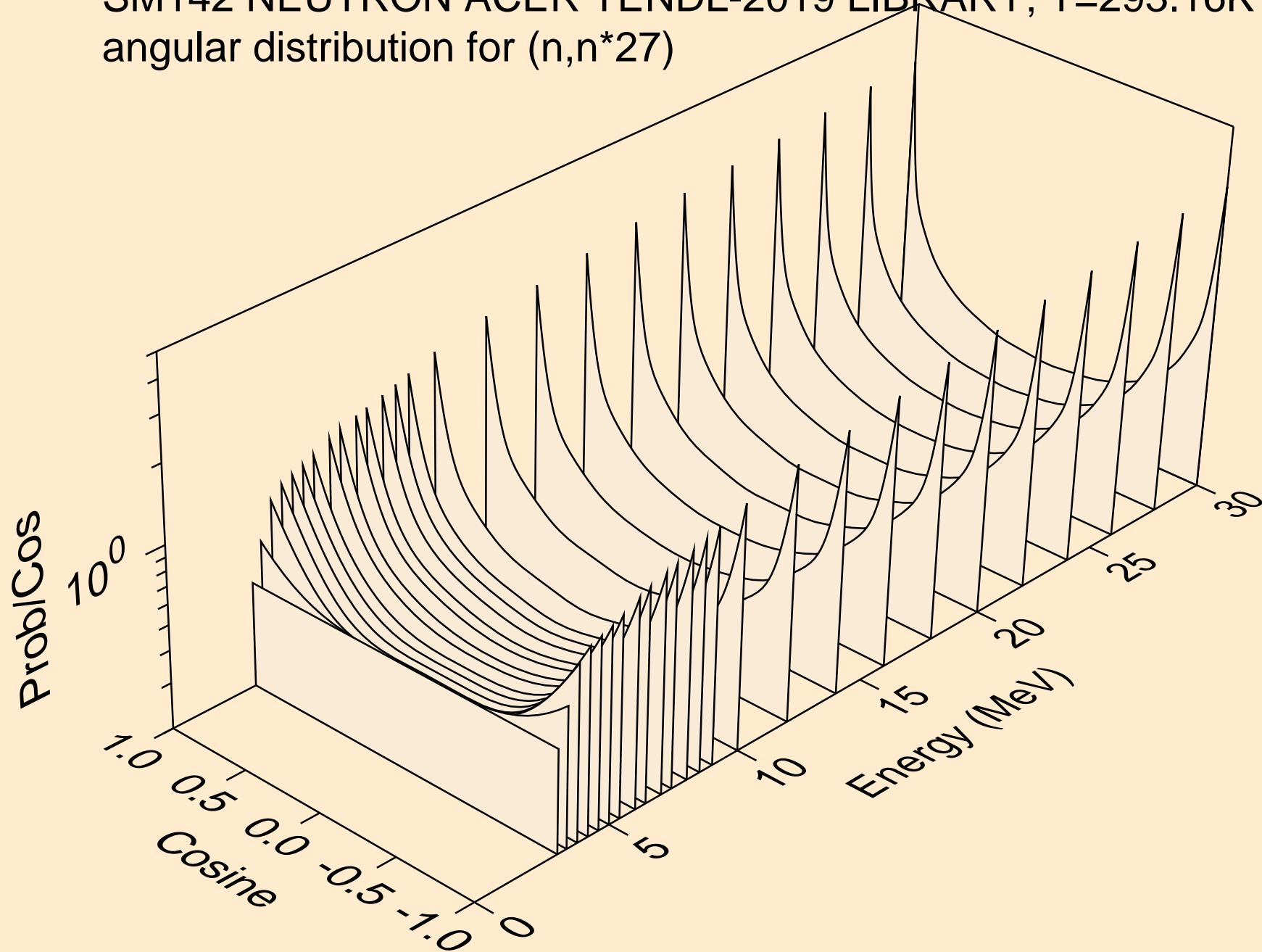




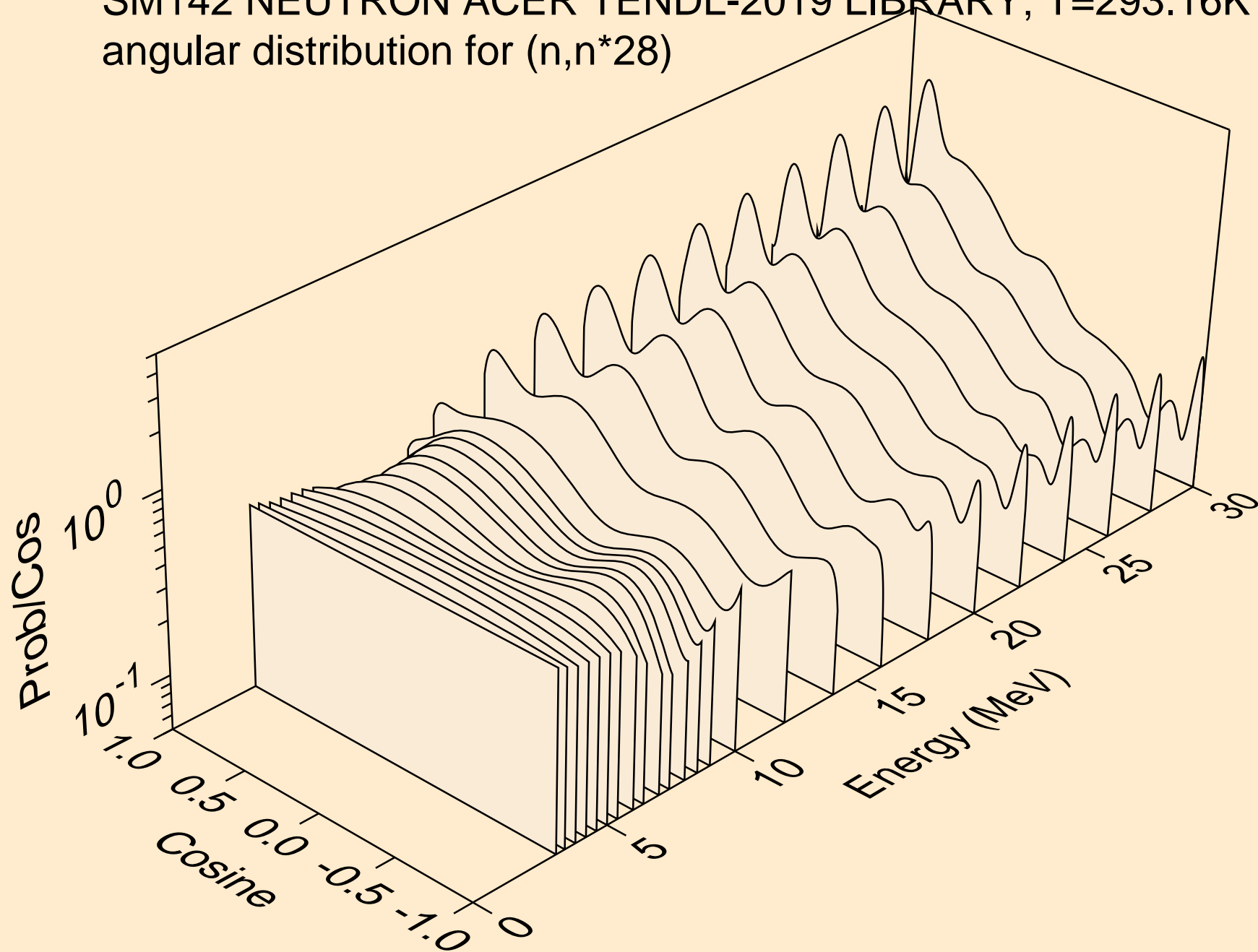
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*26)



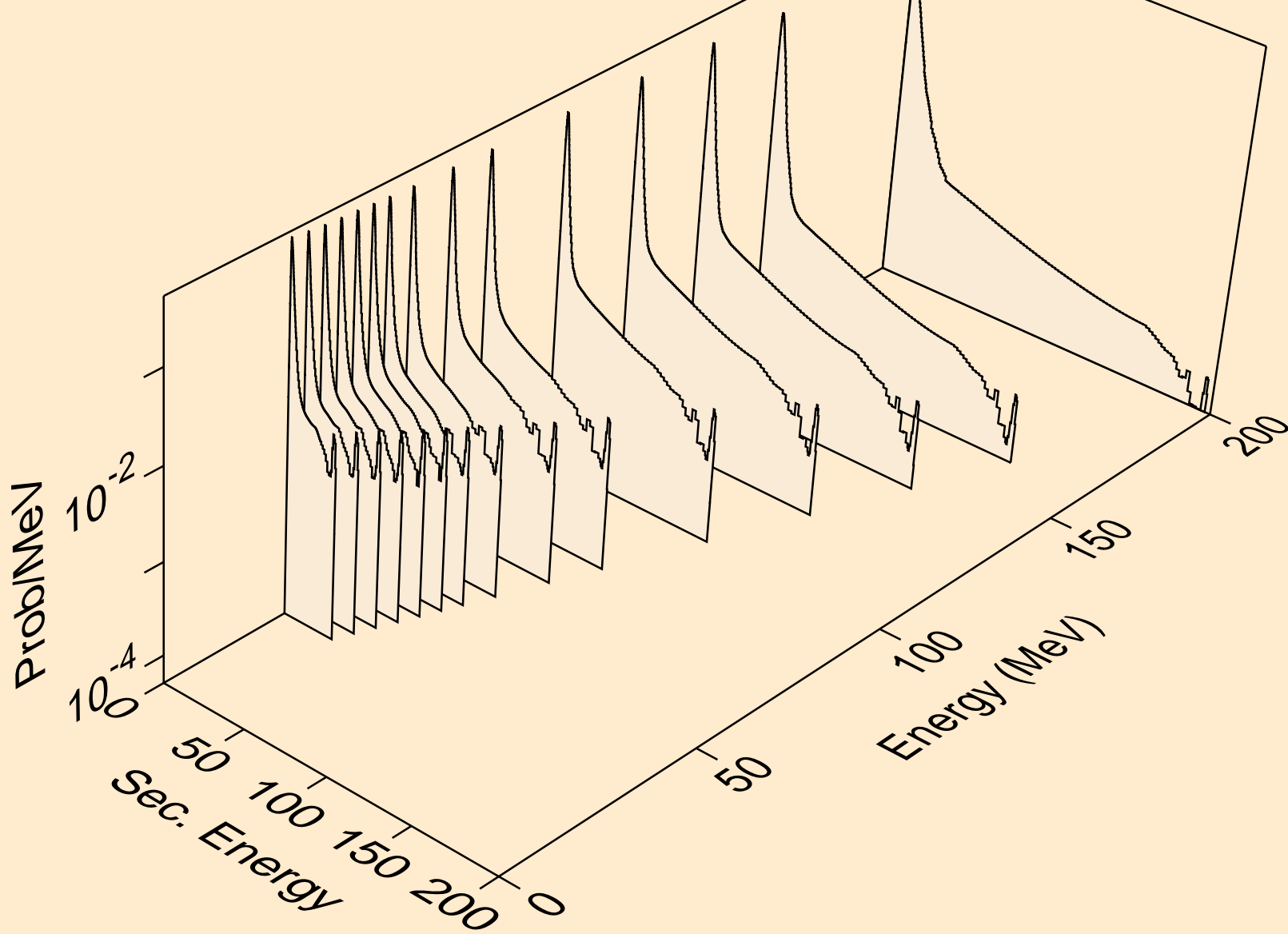
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*27)



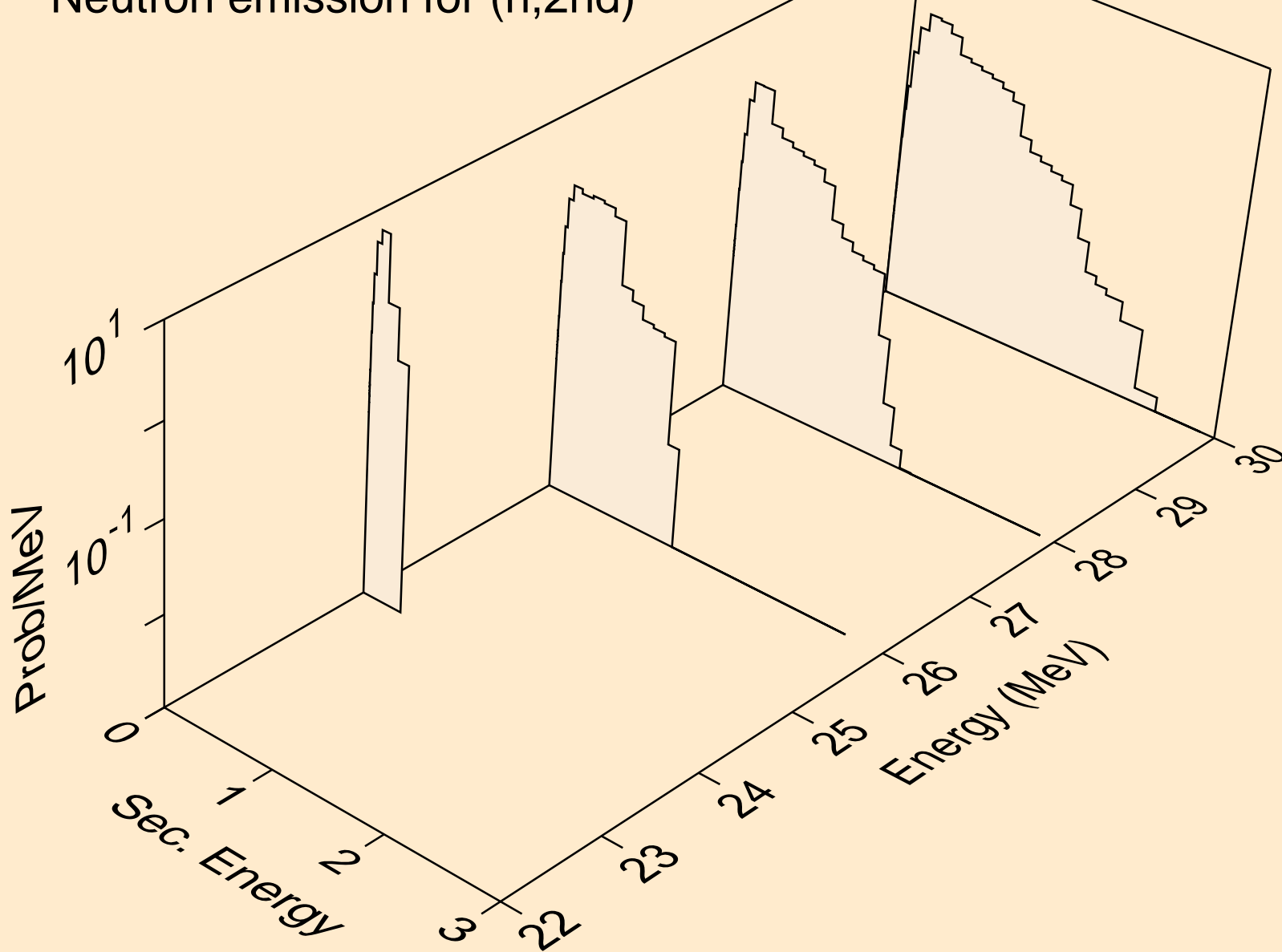
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*28)



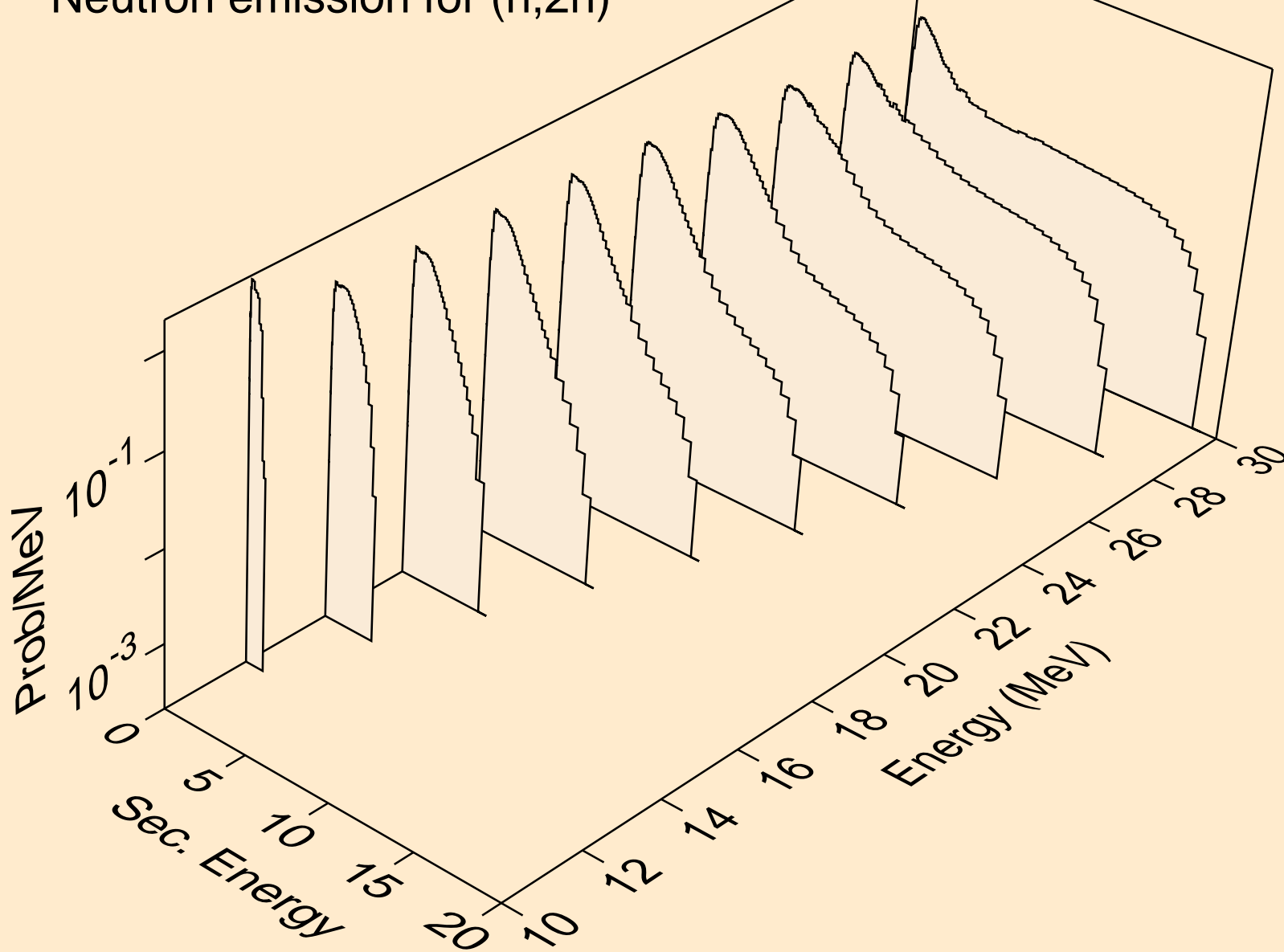
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



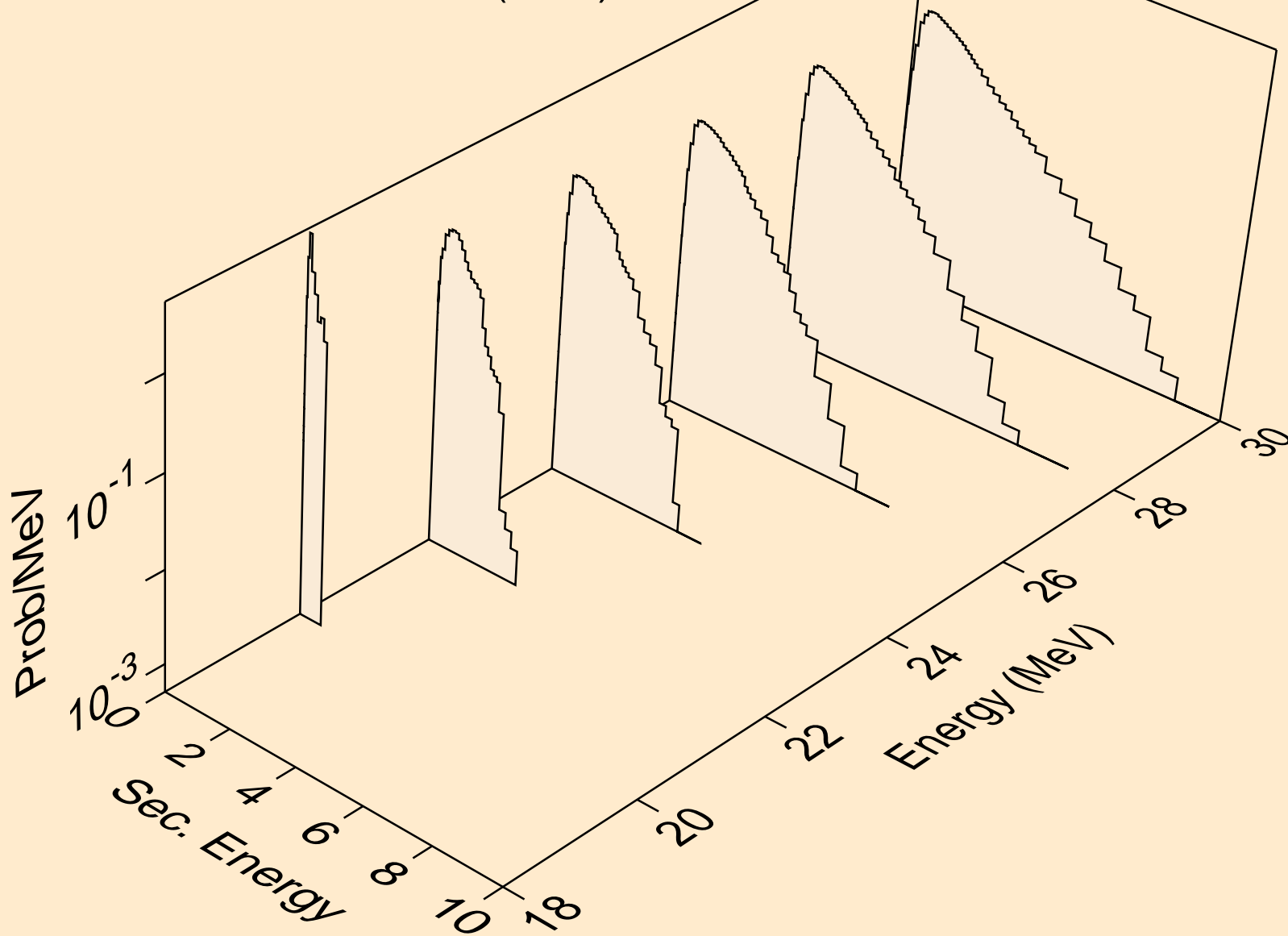
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



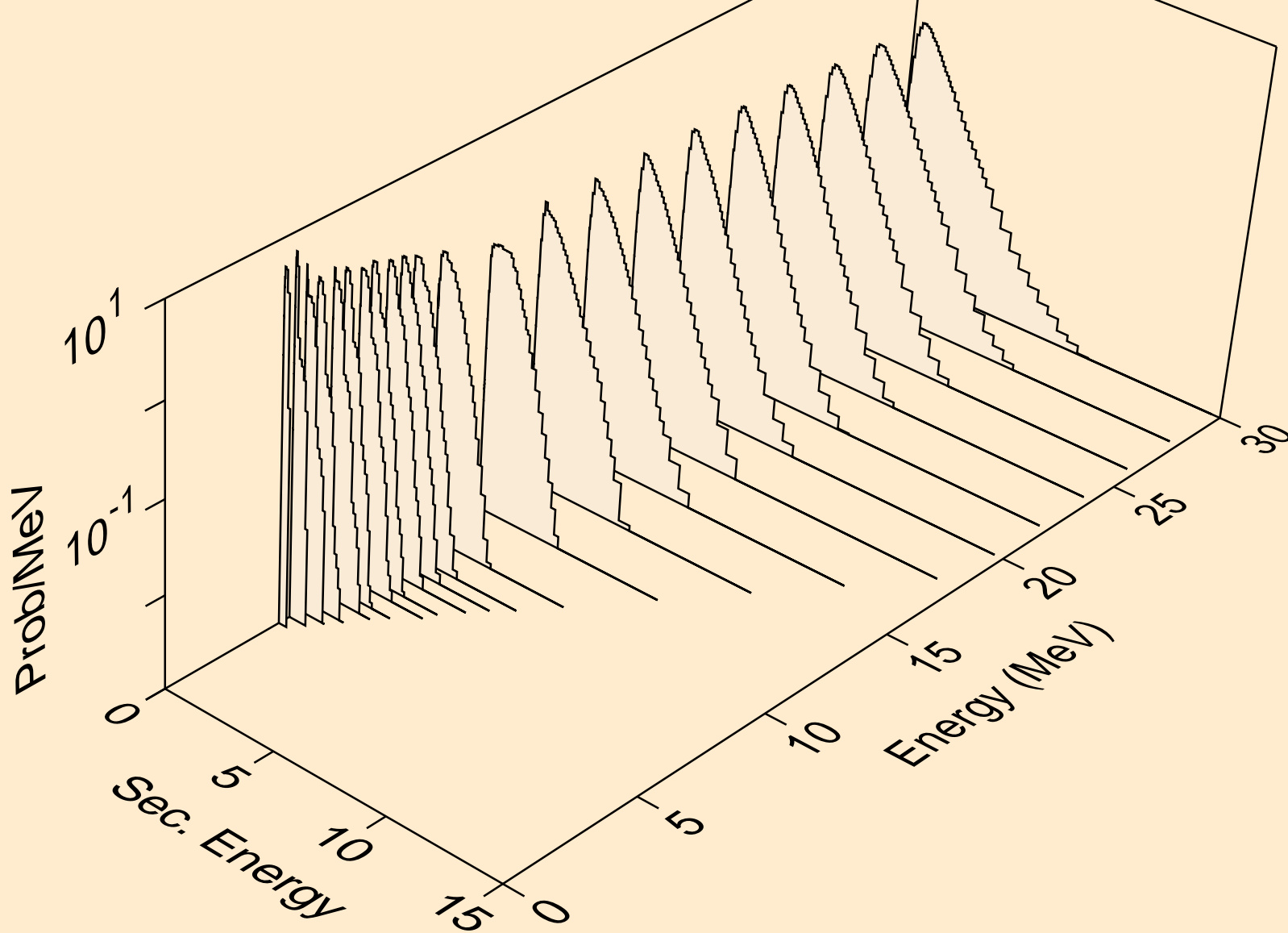
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)

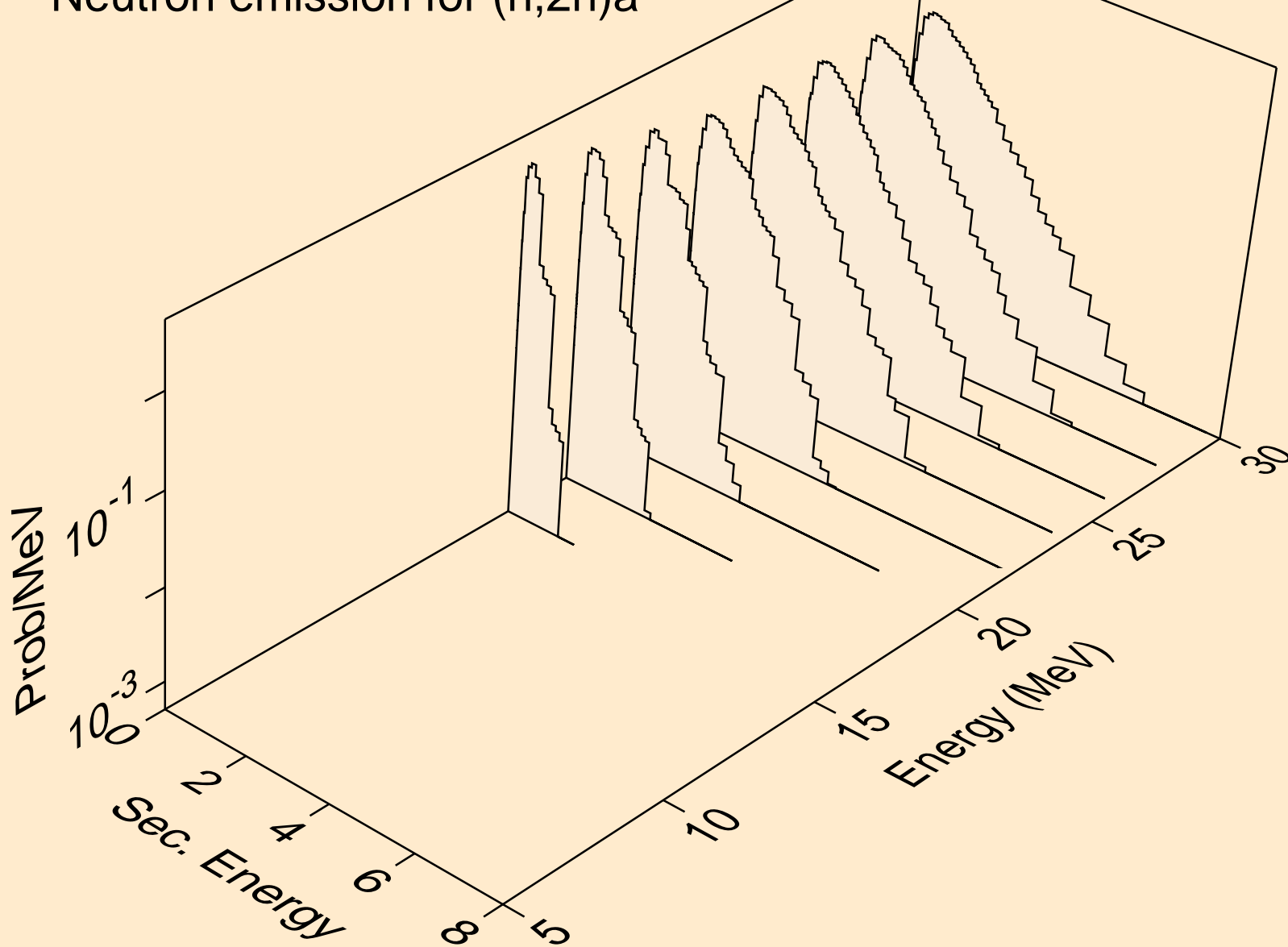


SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a

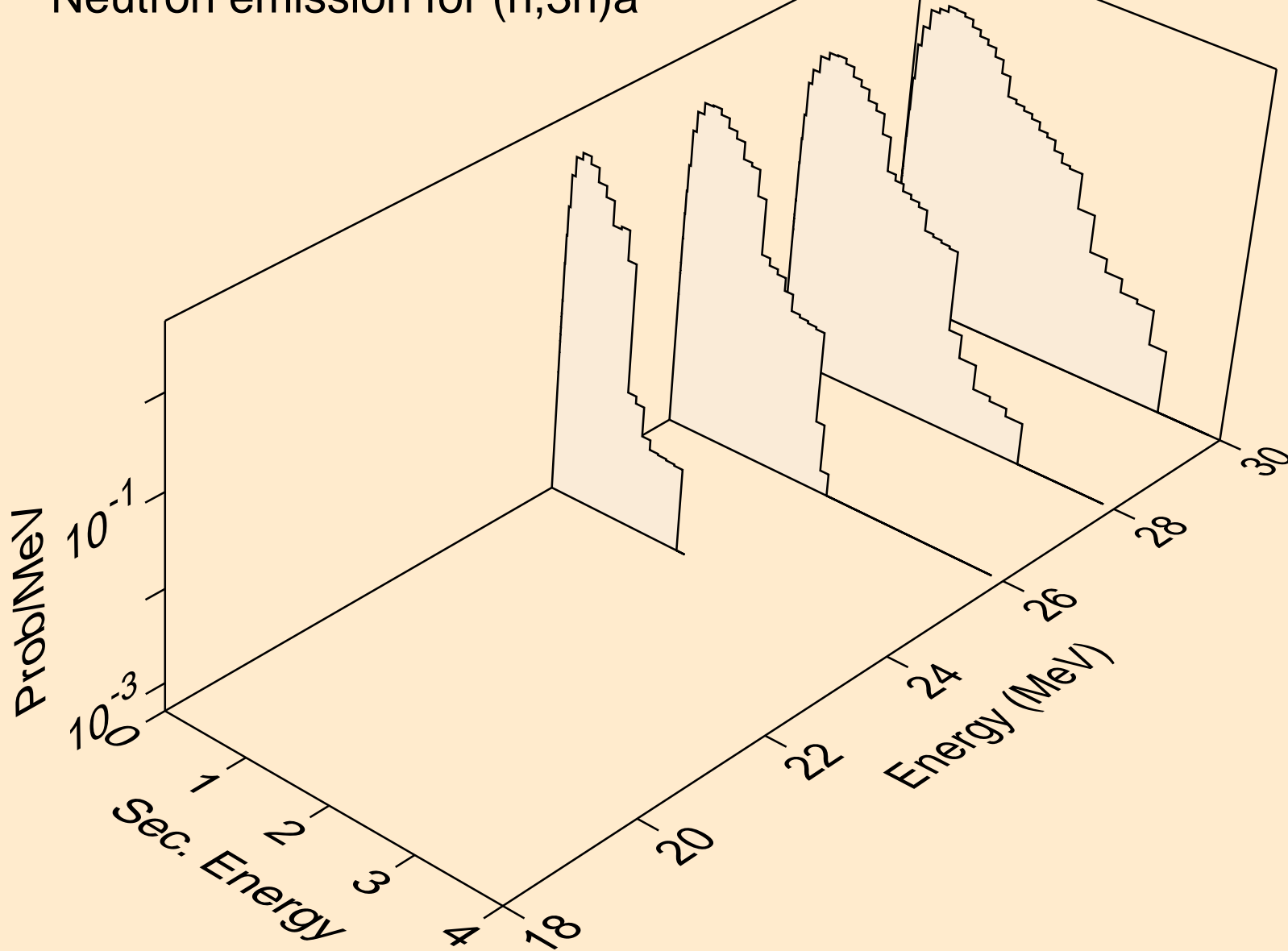




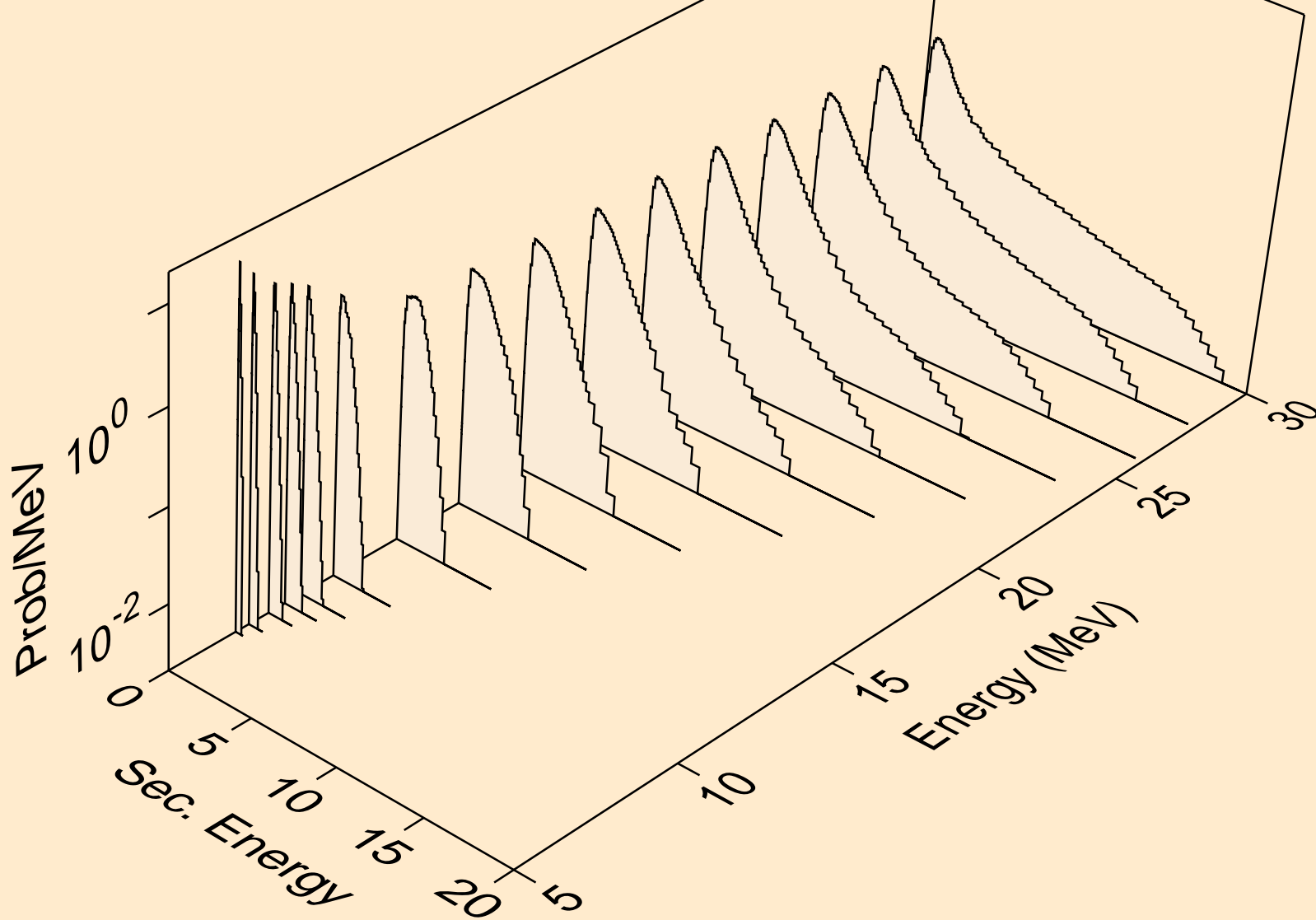
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a



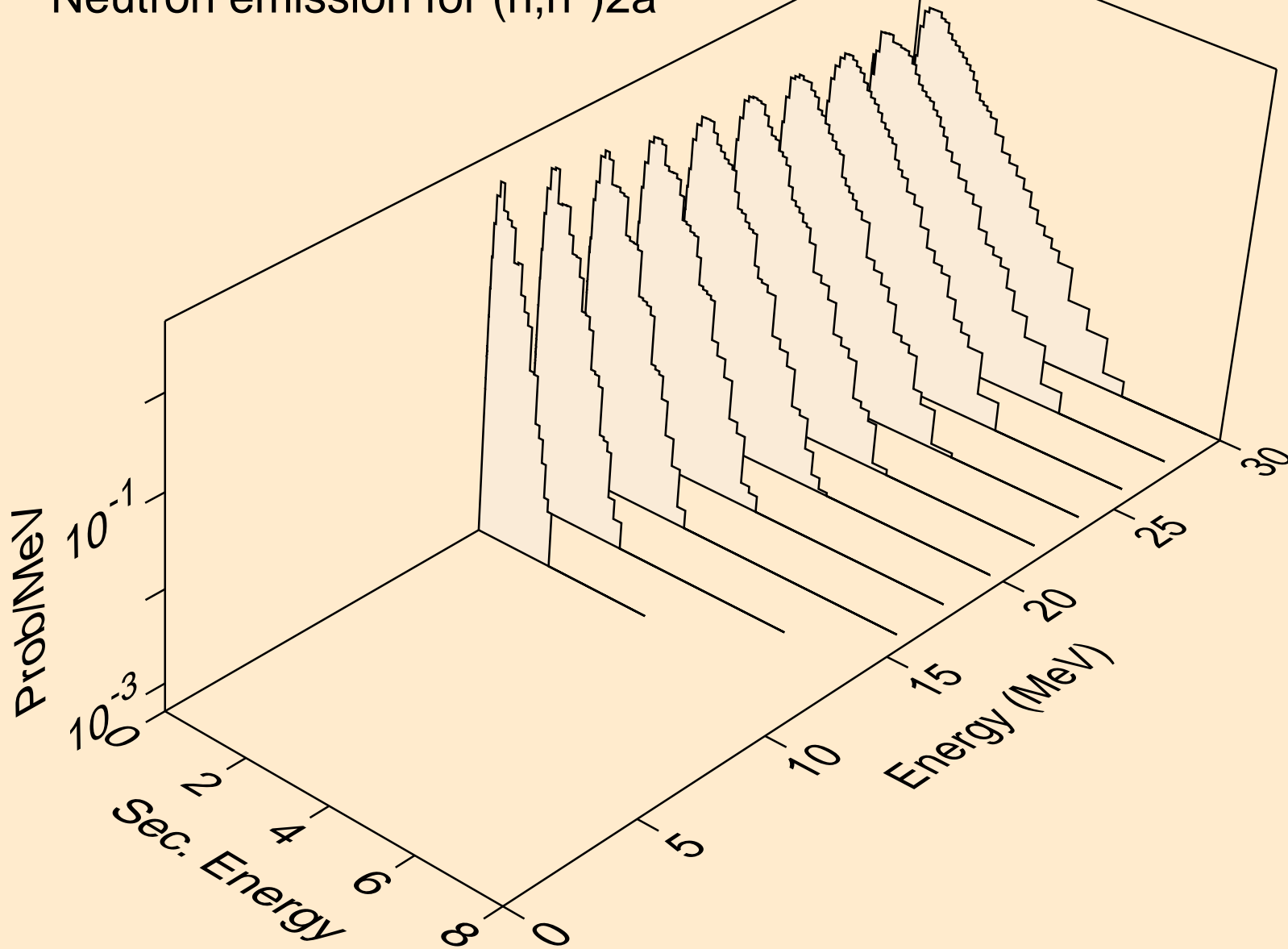
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



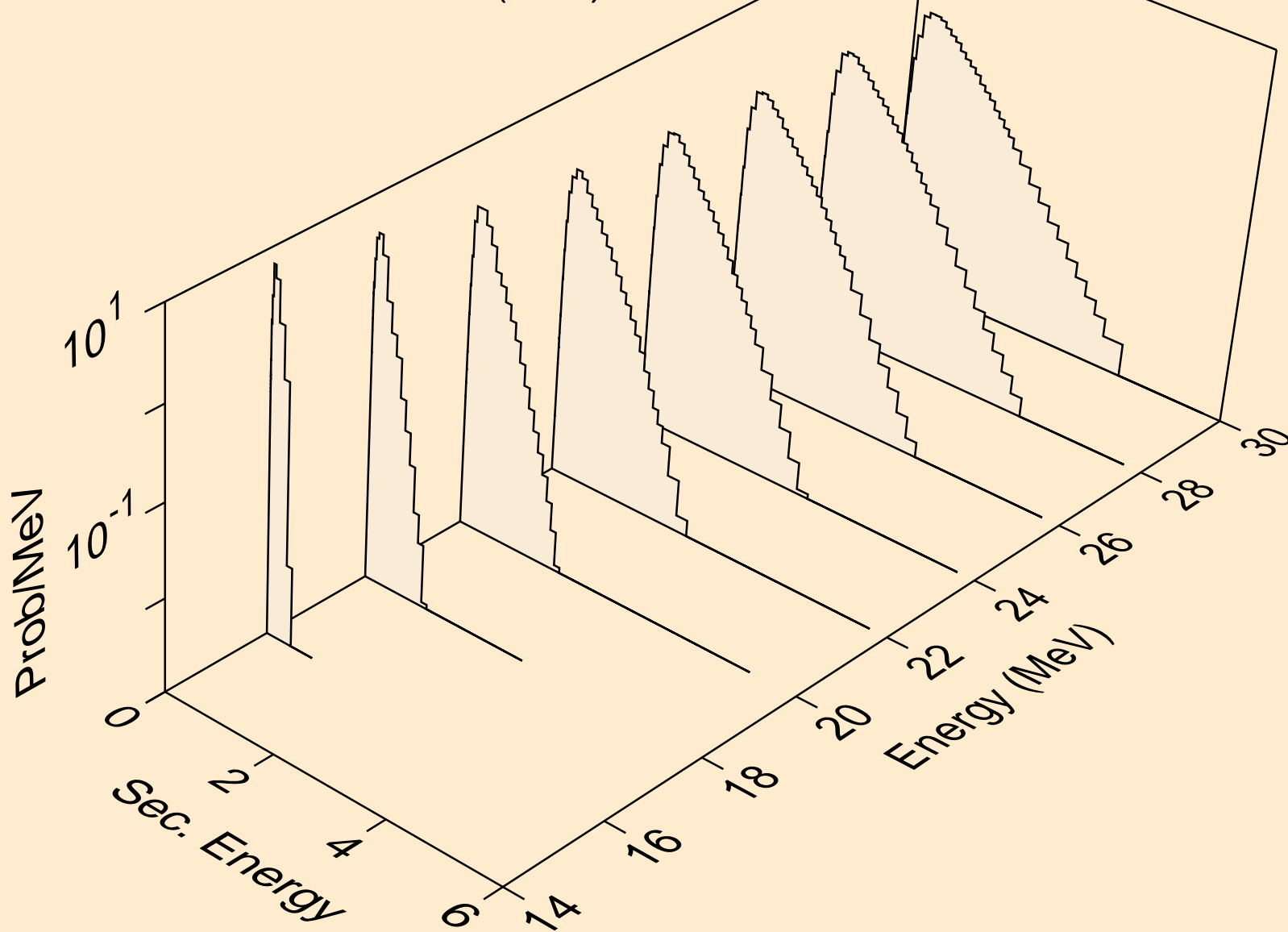
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



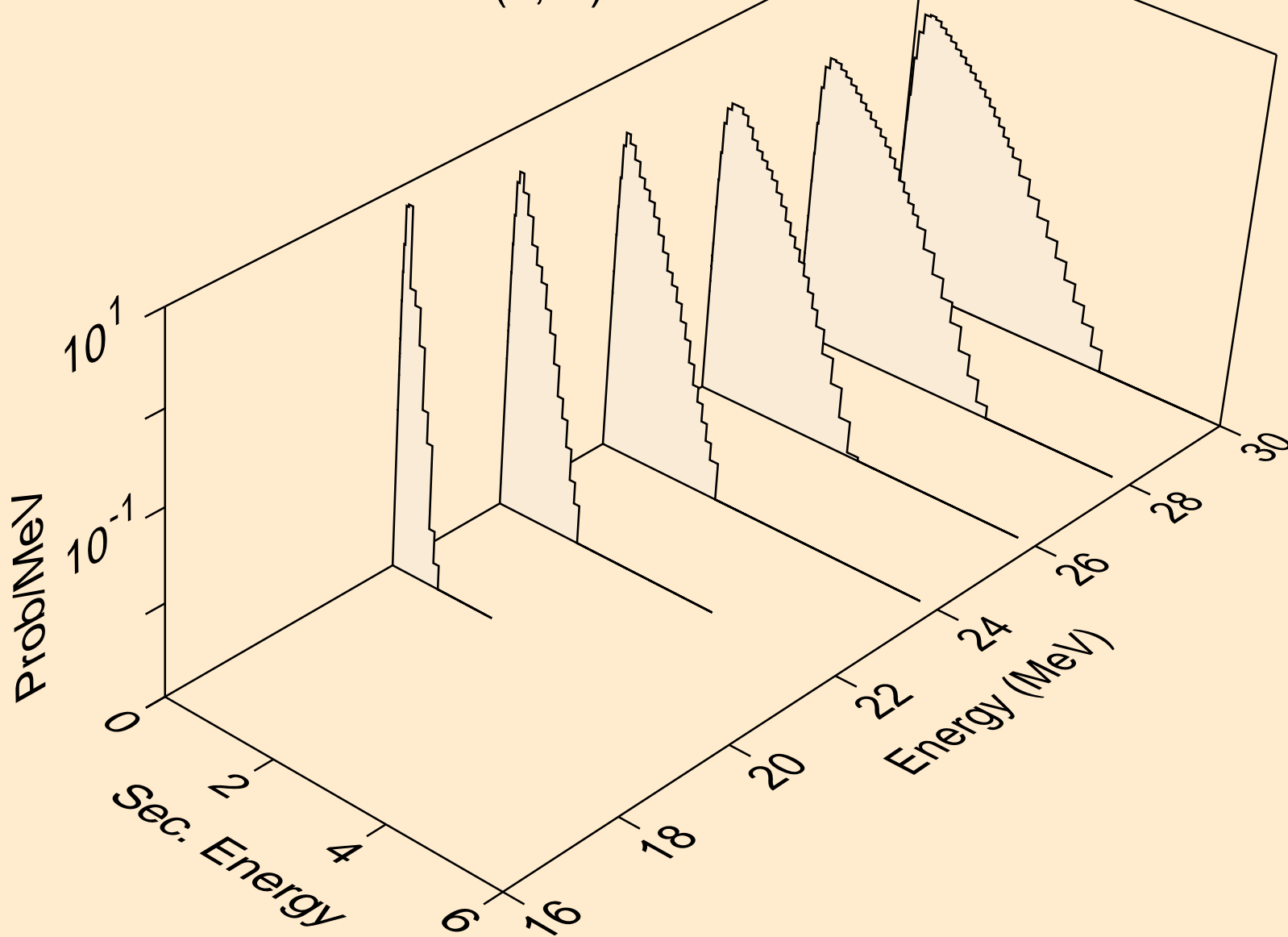
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a



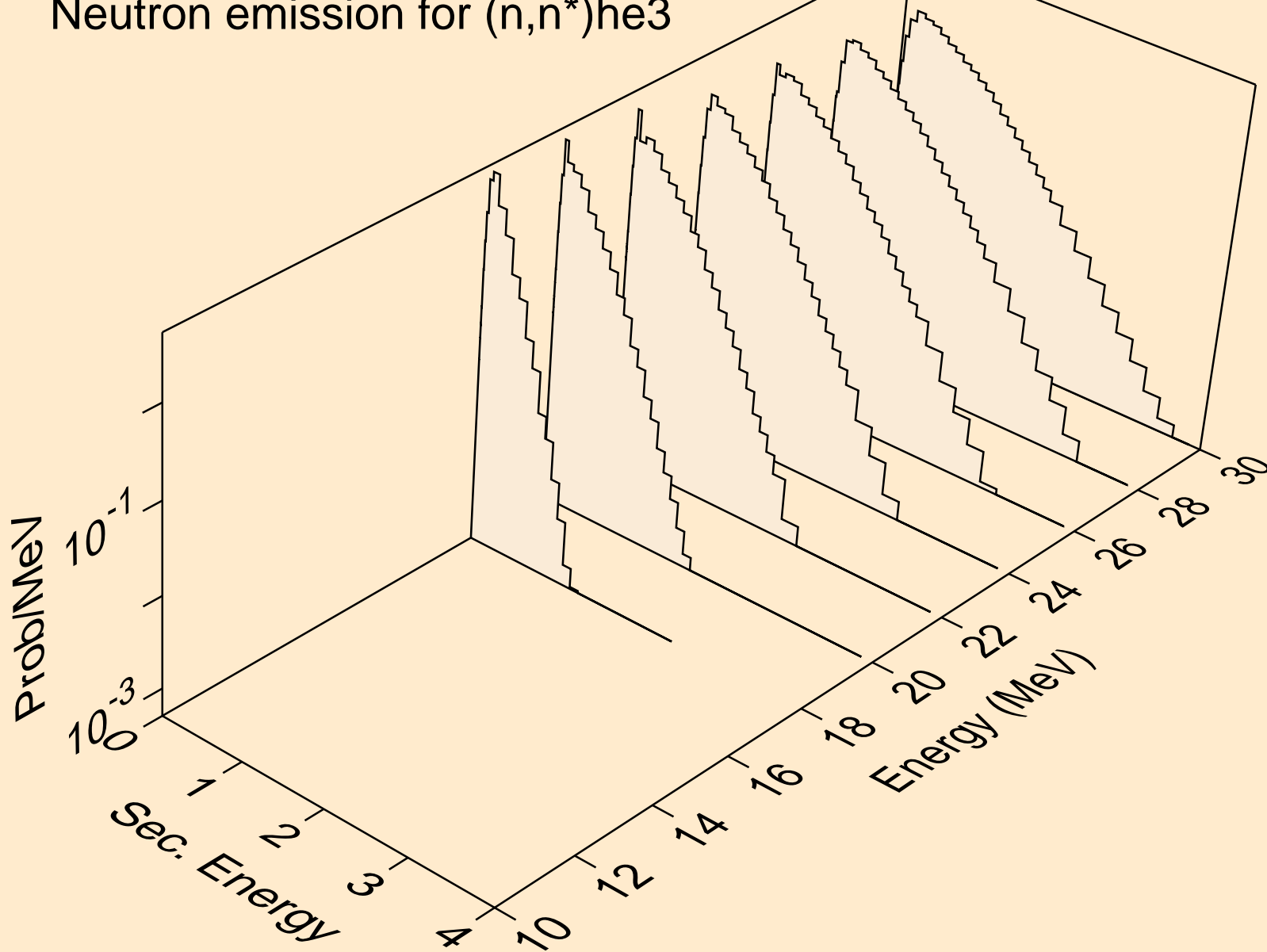
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



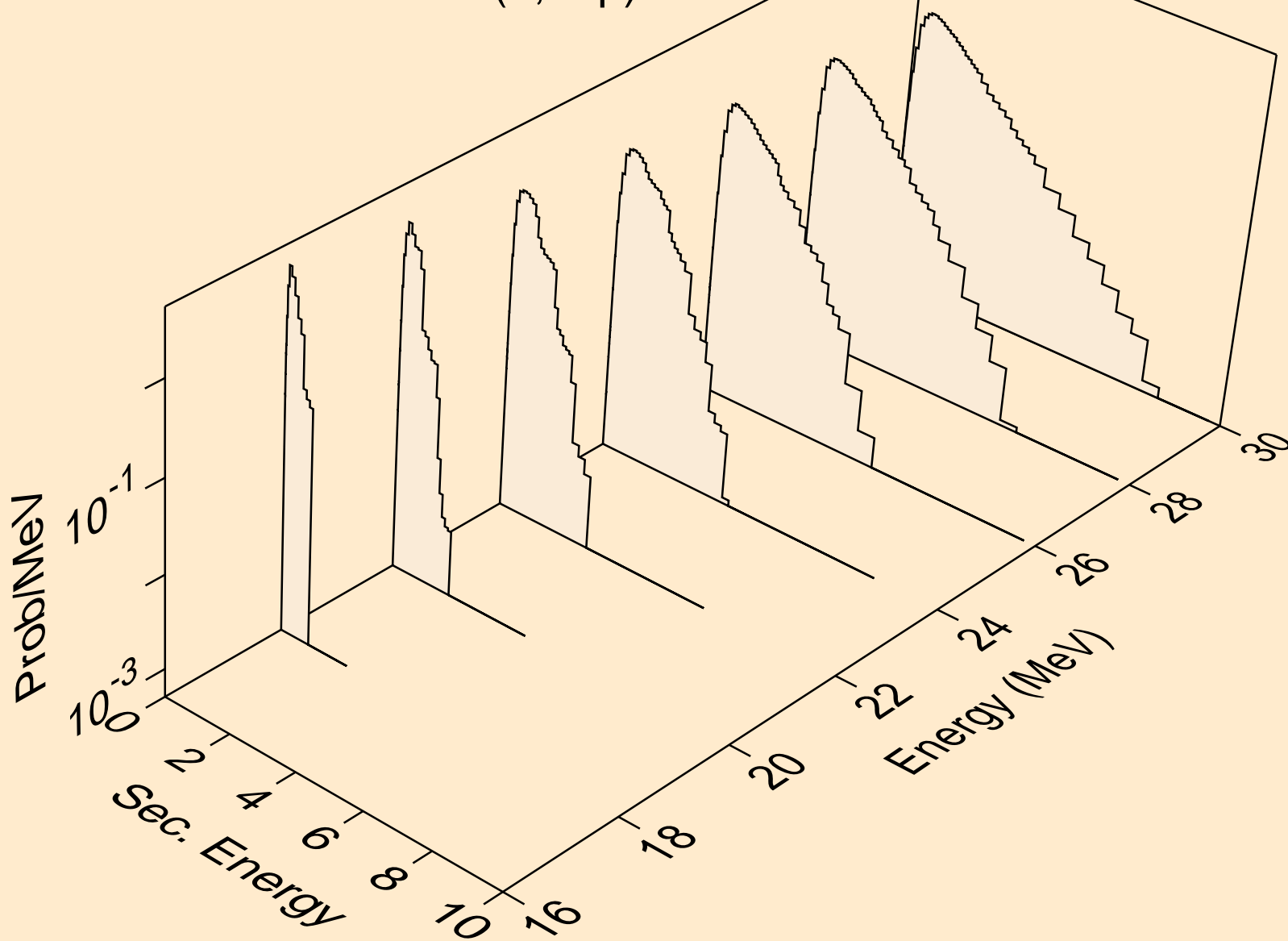
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3

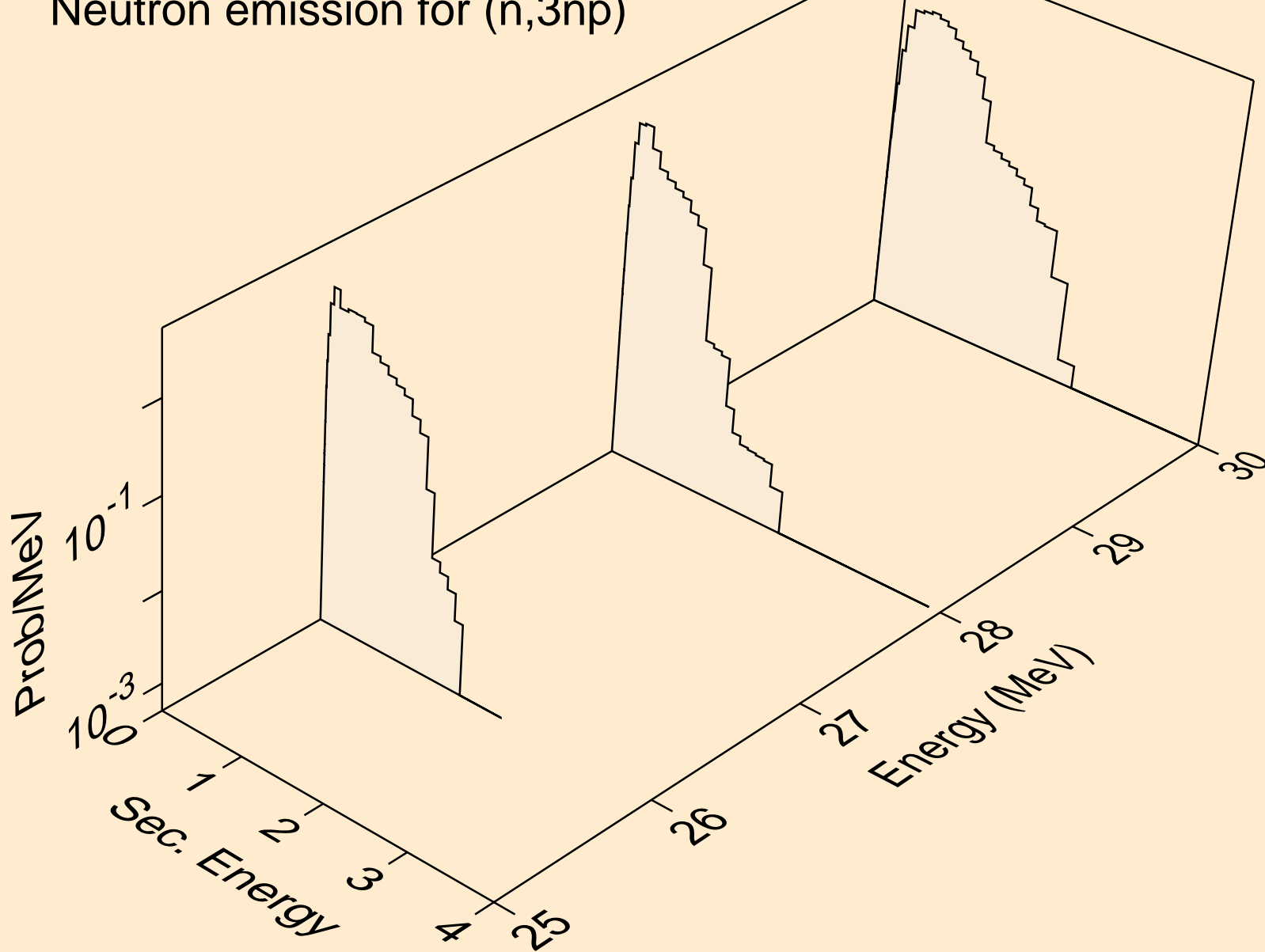


SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)

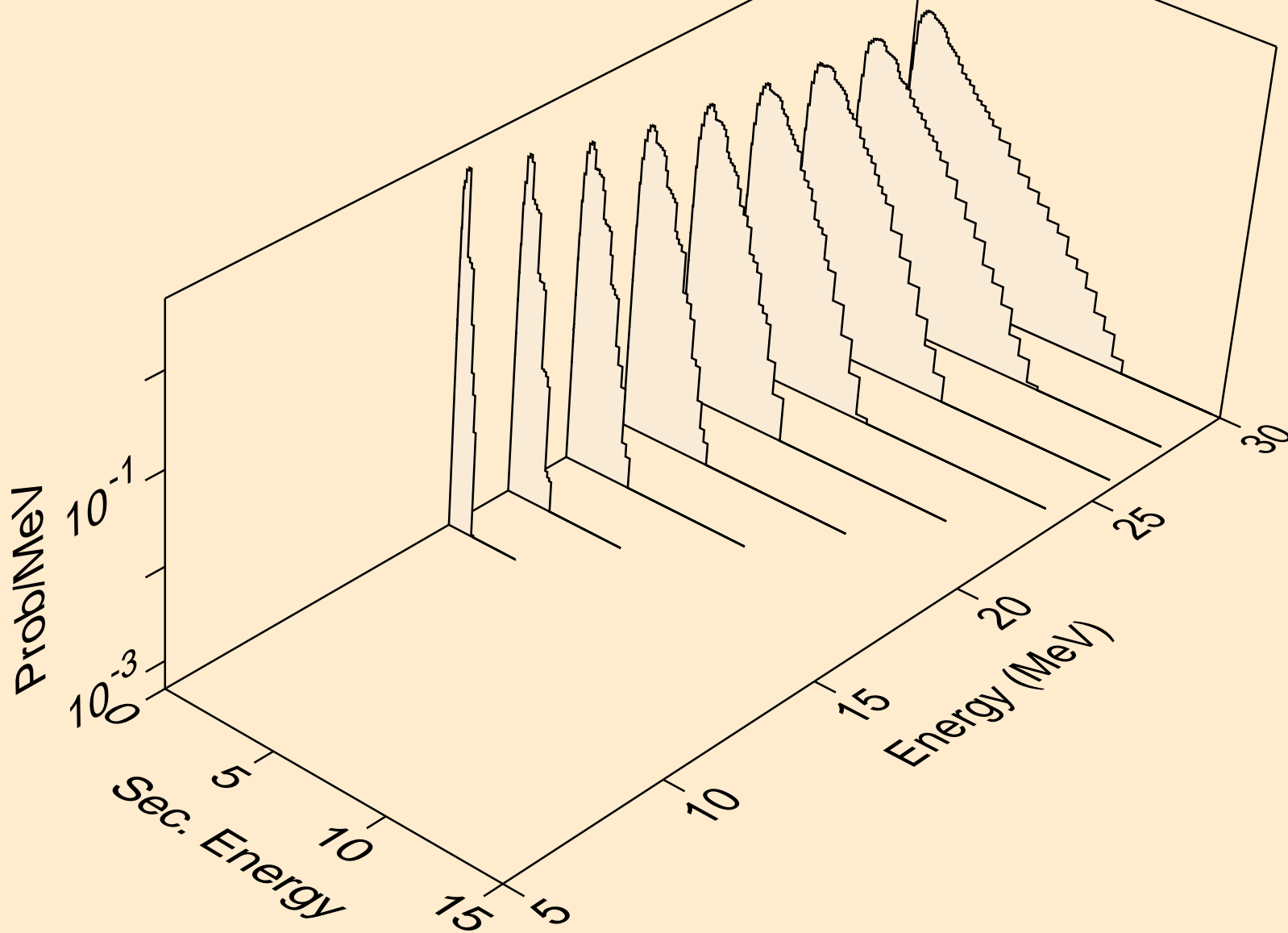




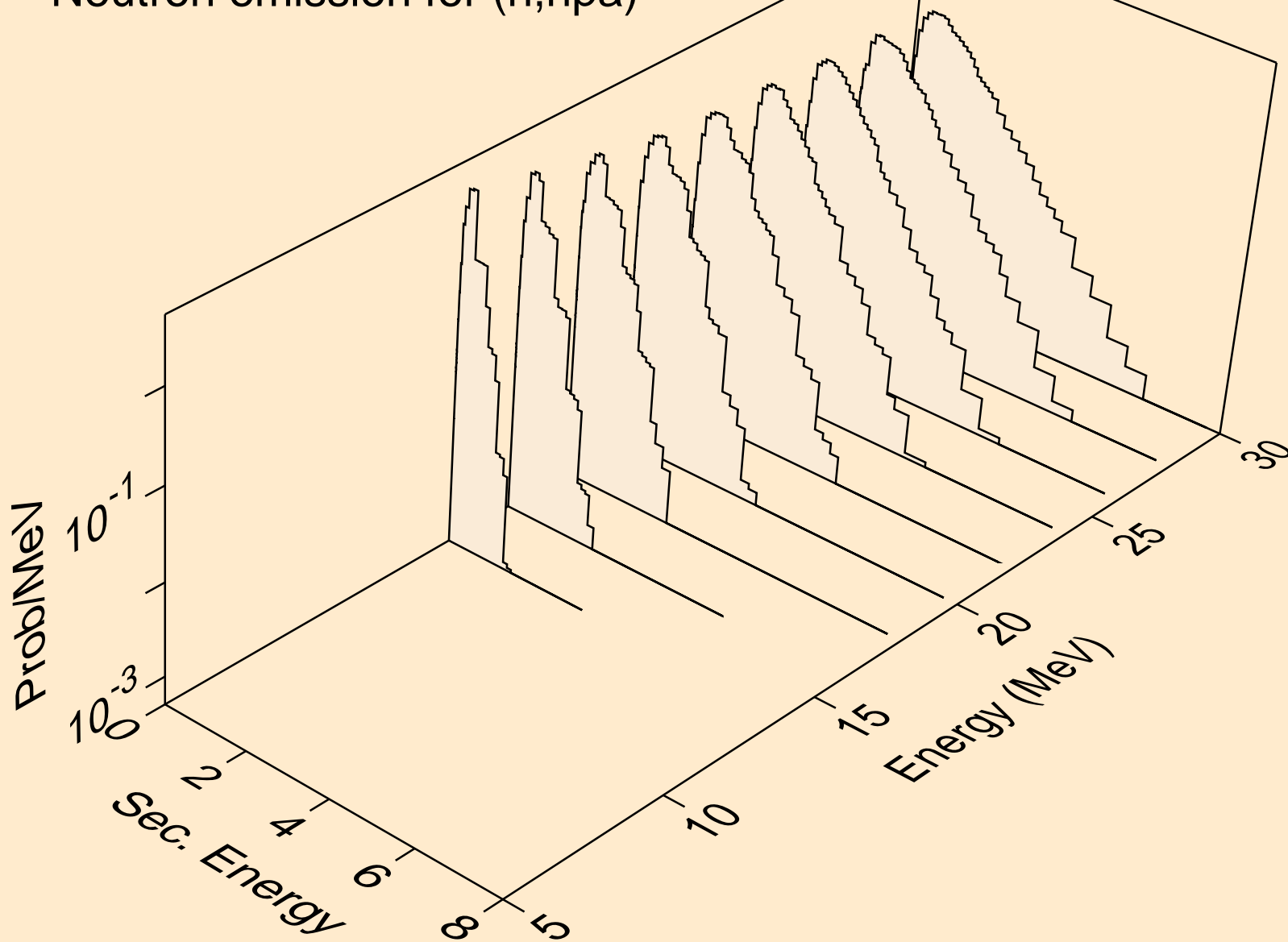
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)



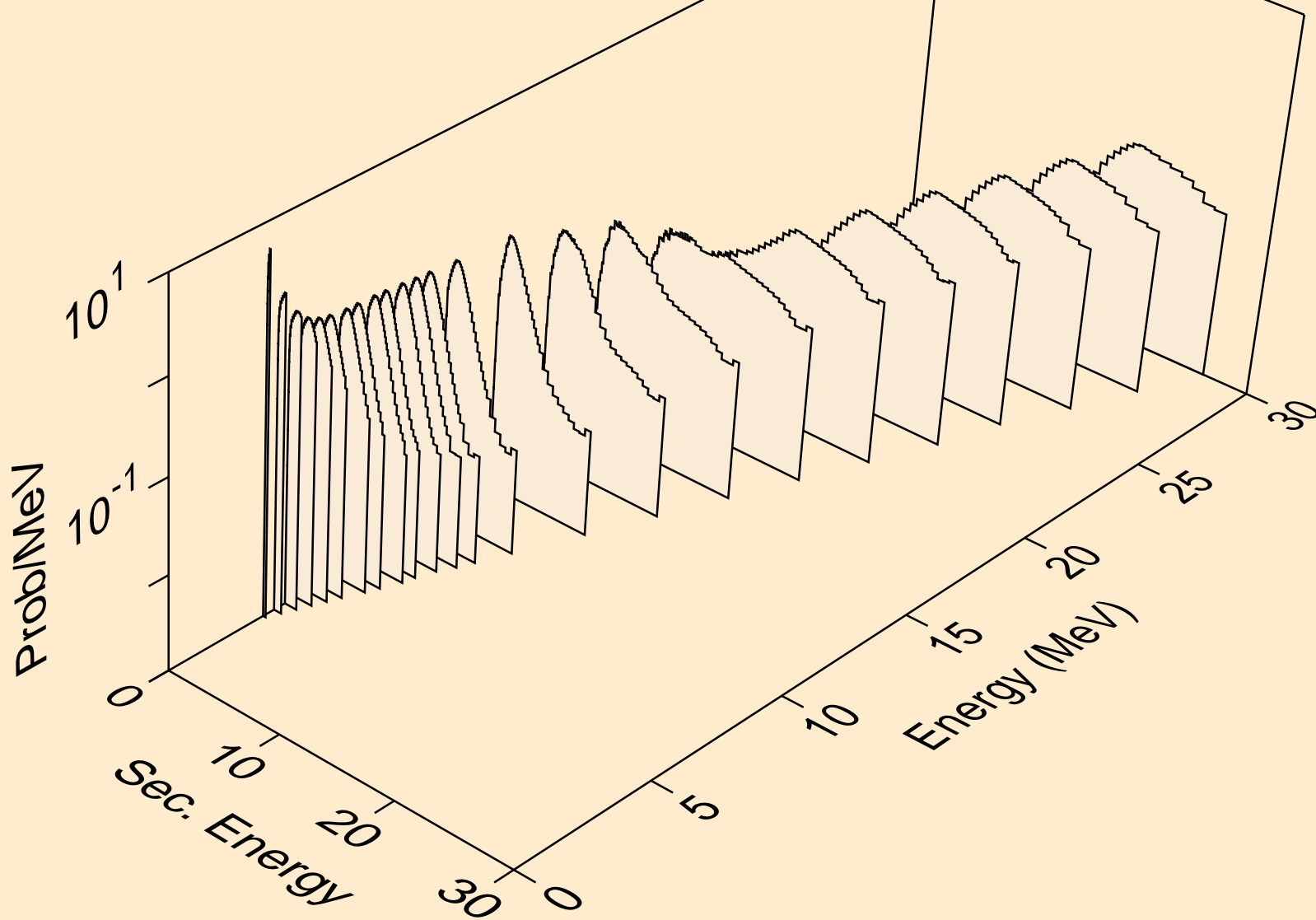
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



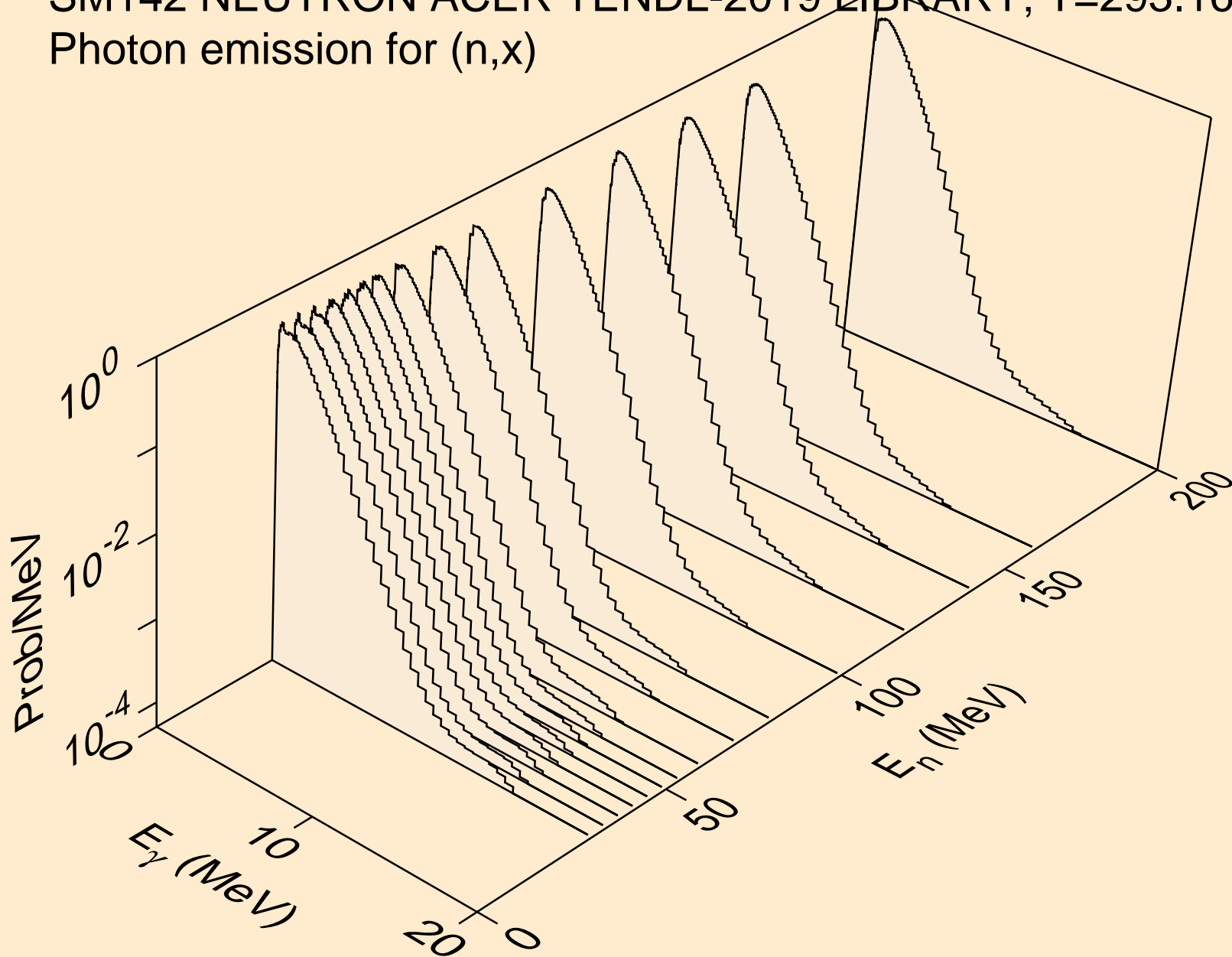
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)



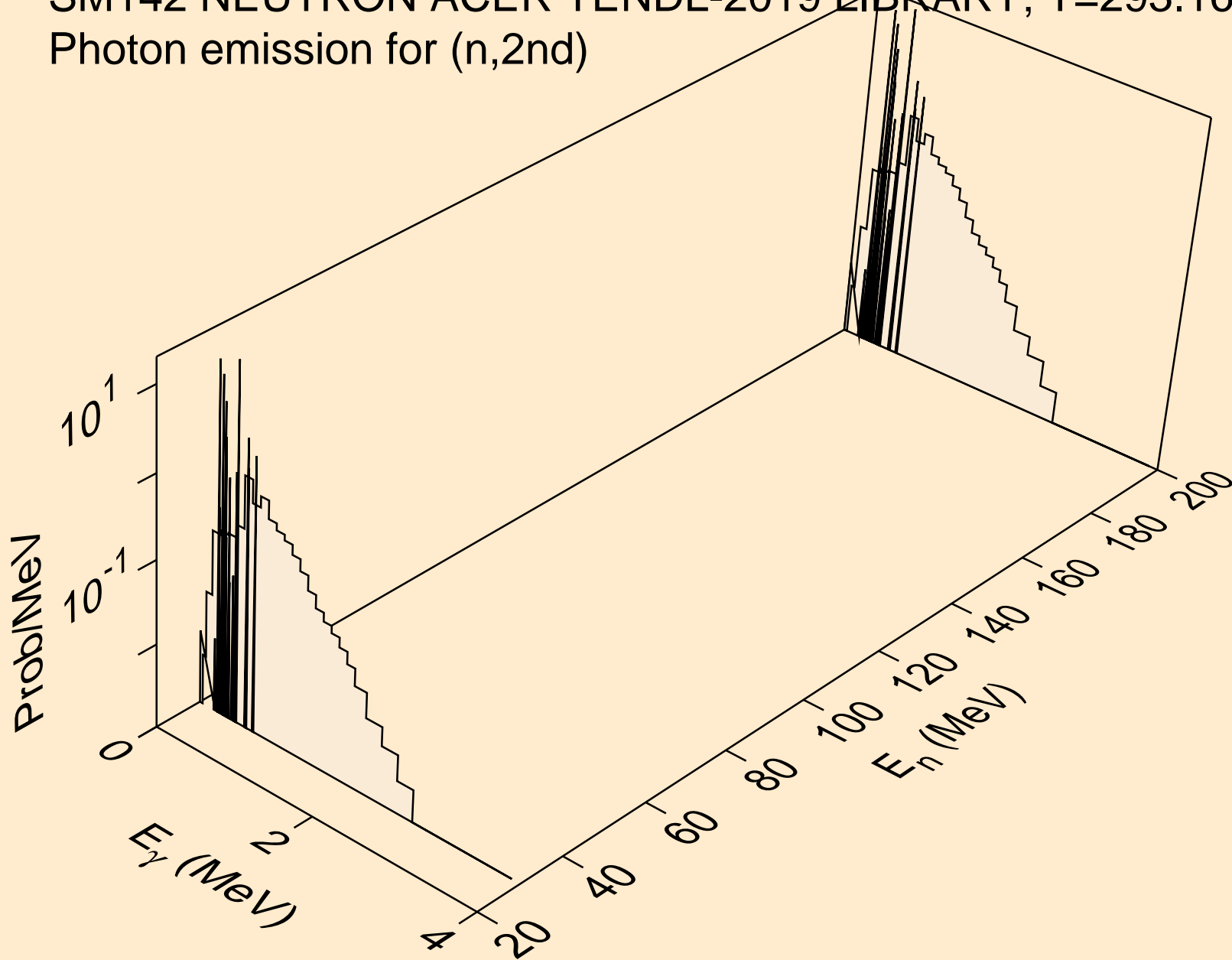
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



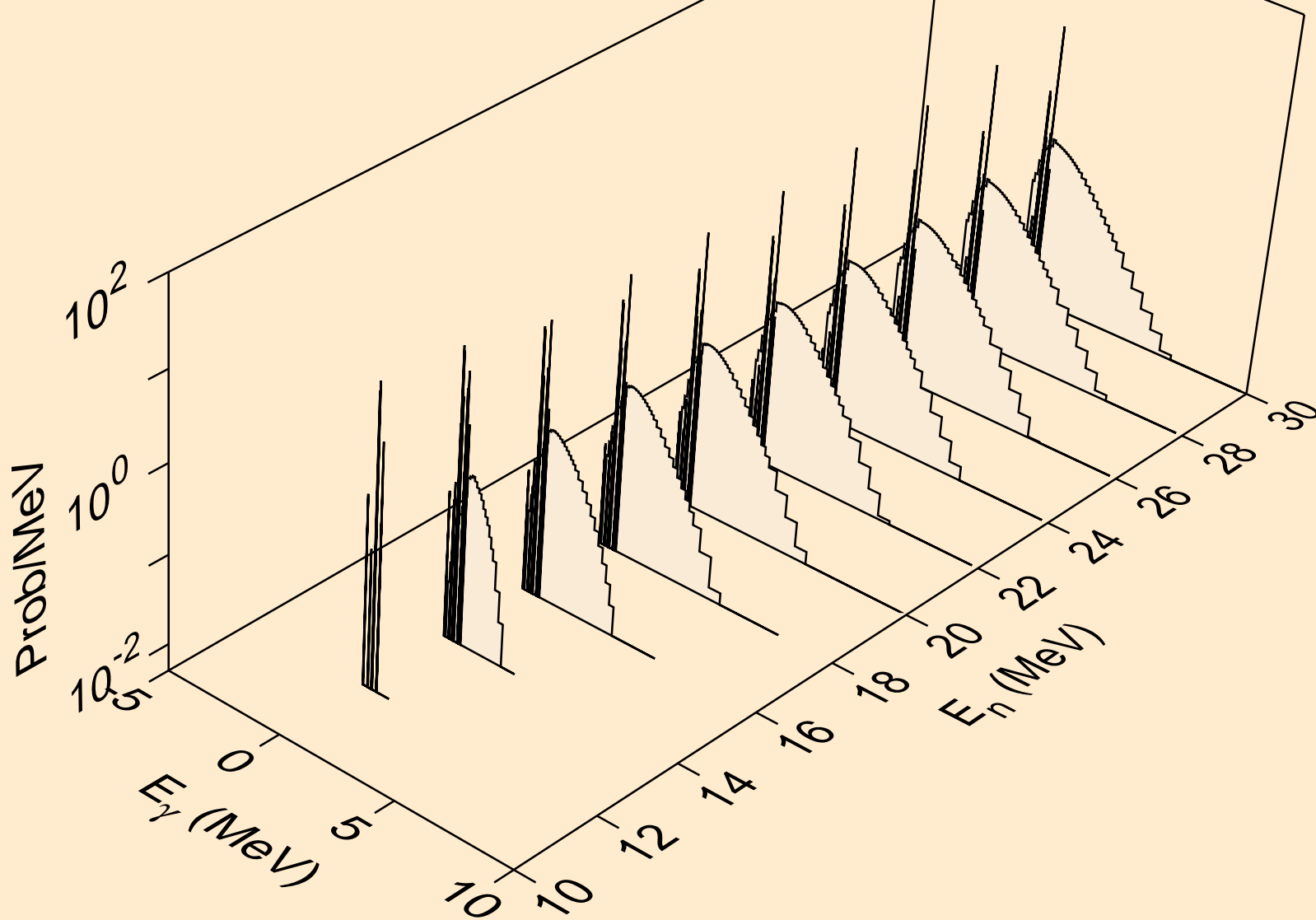
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)



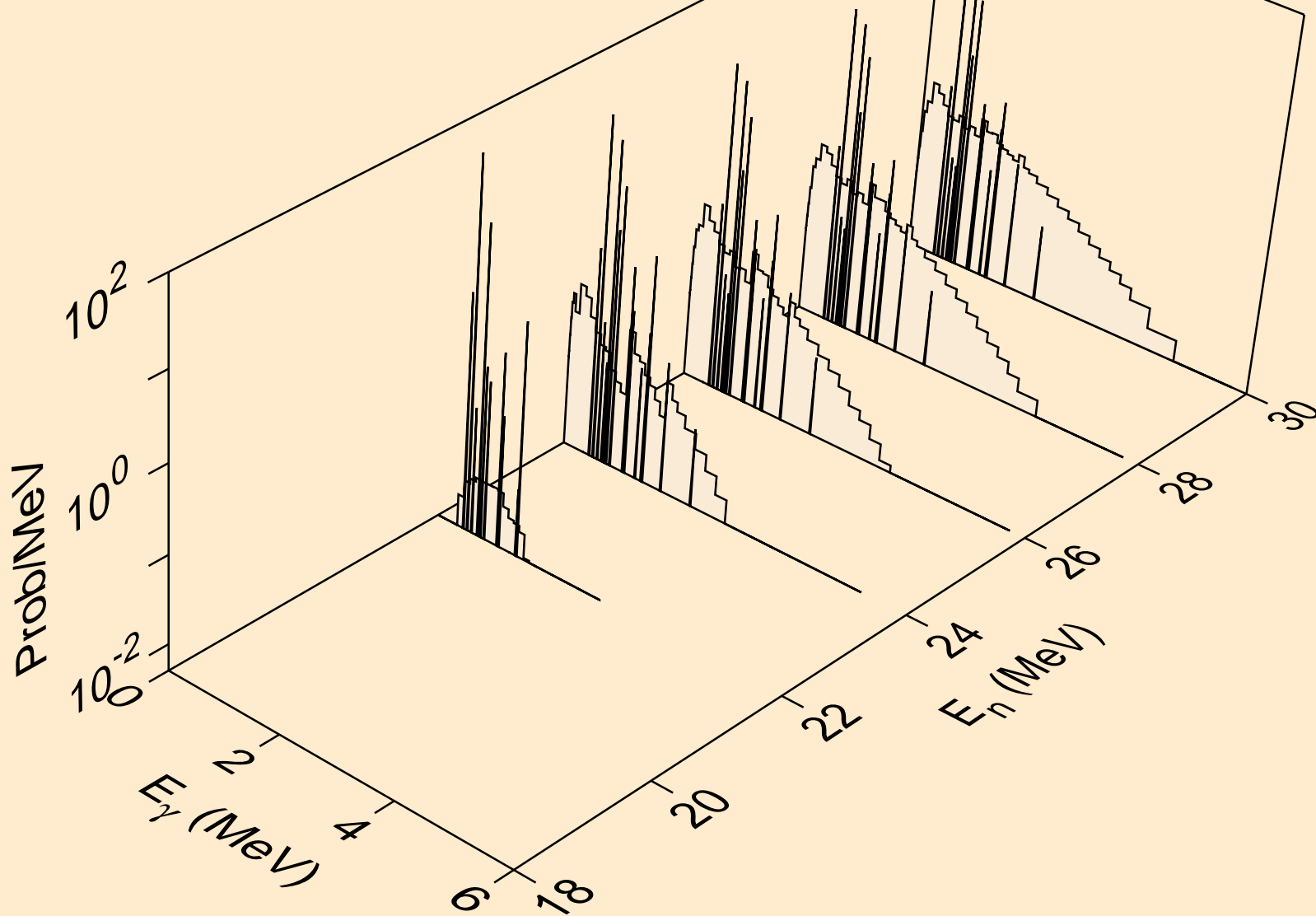
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)



SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)

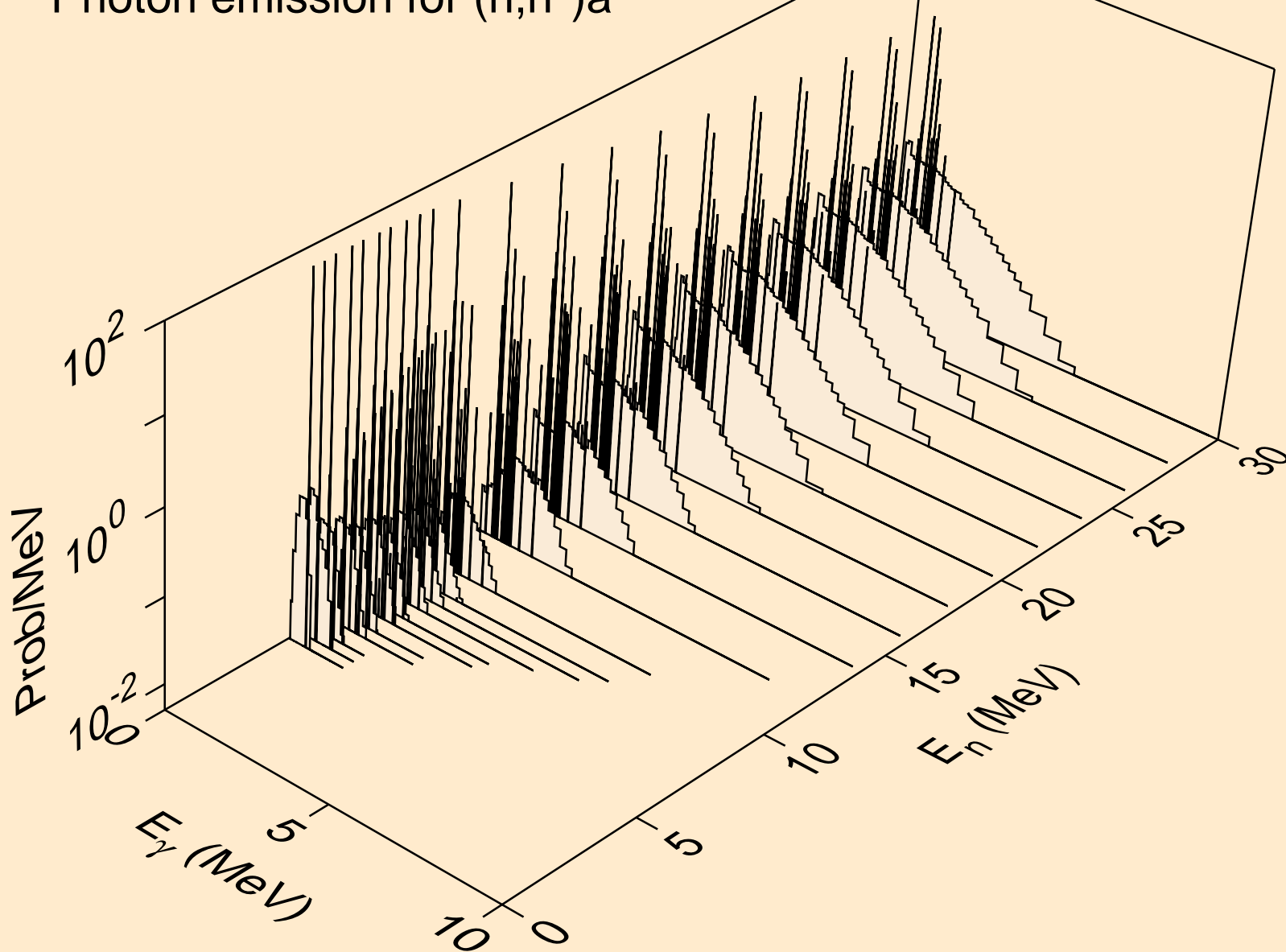


SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)

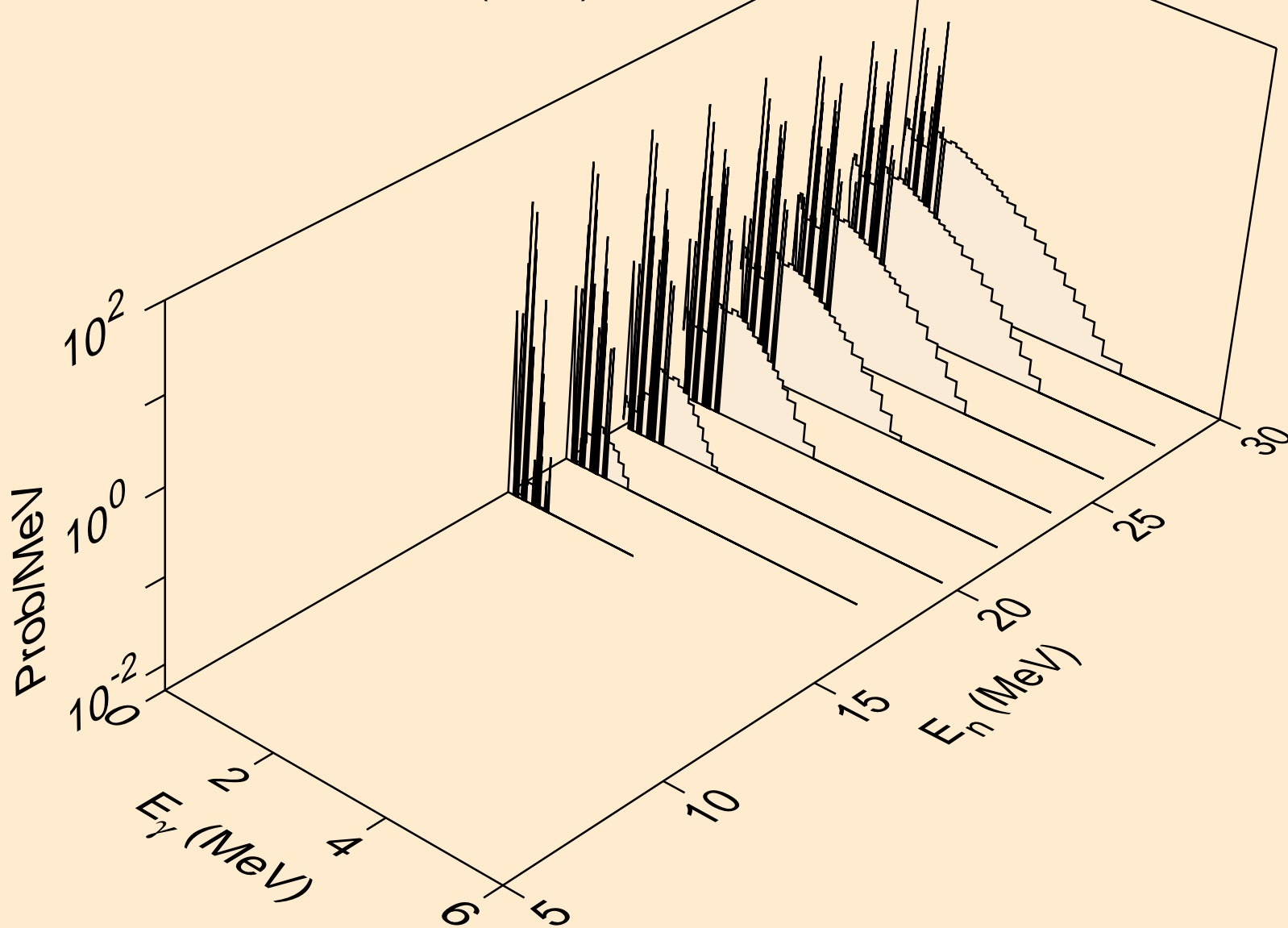




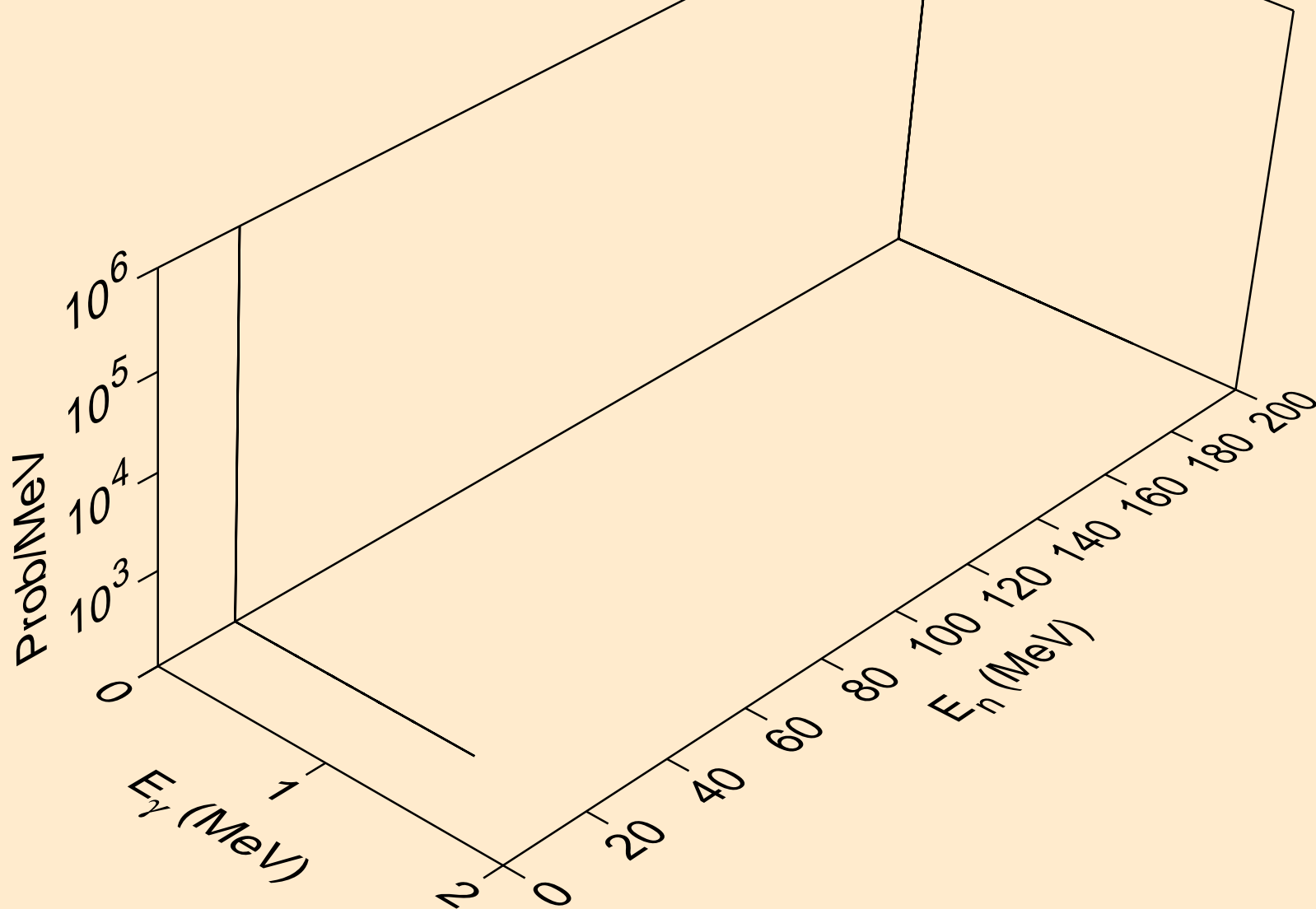
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a



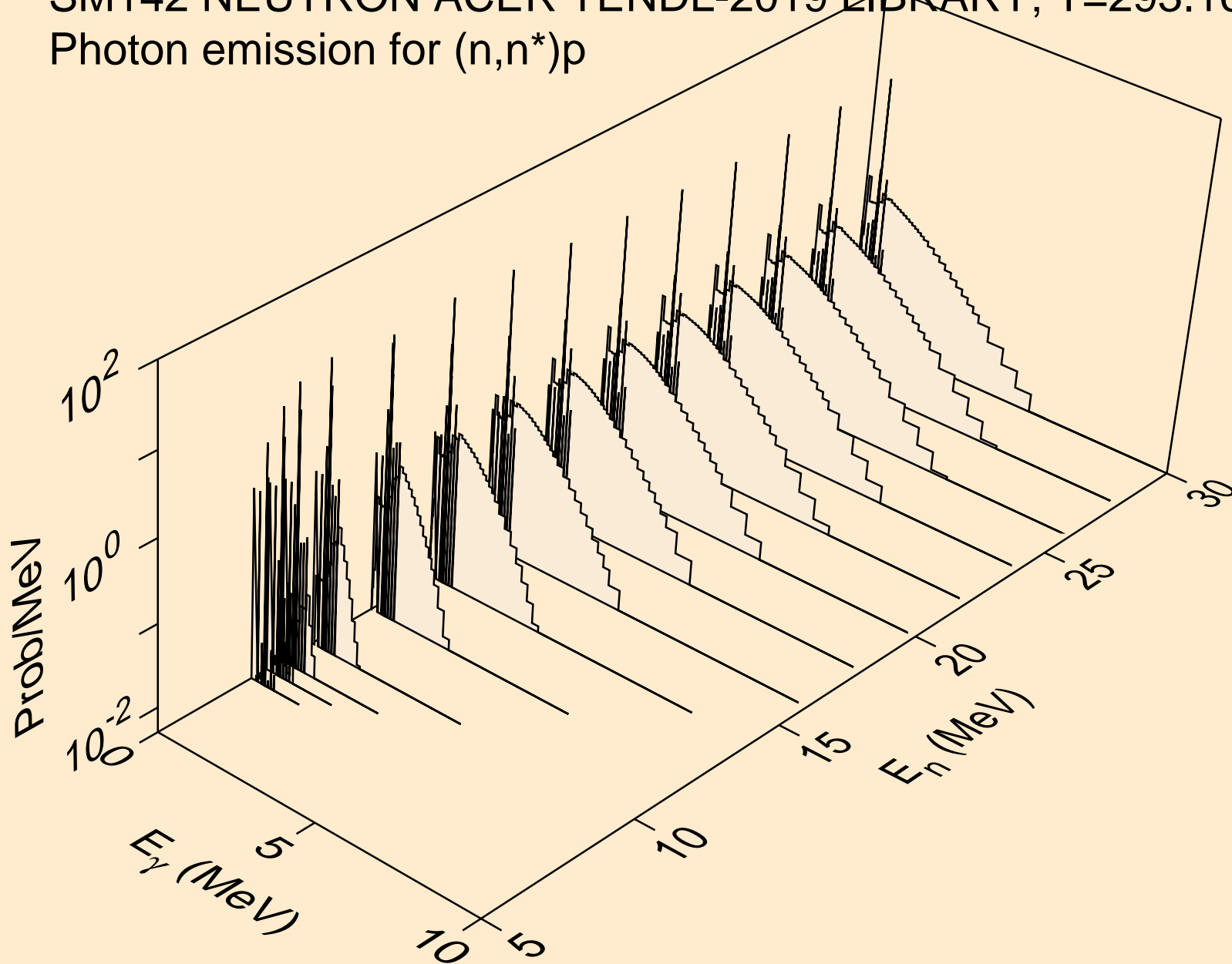
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a



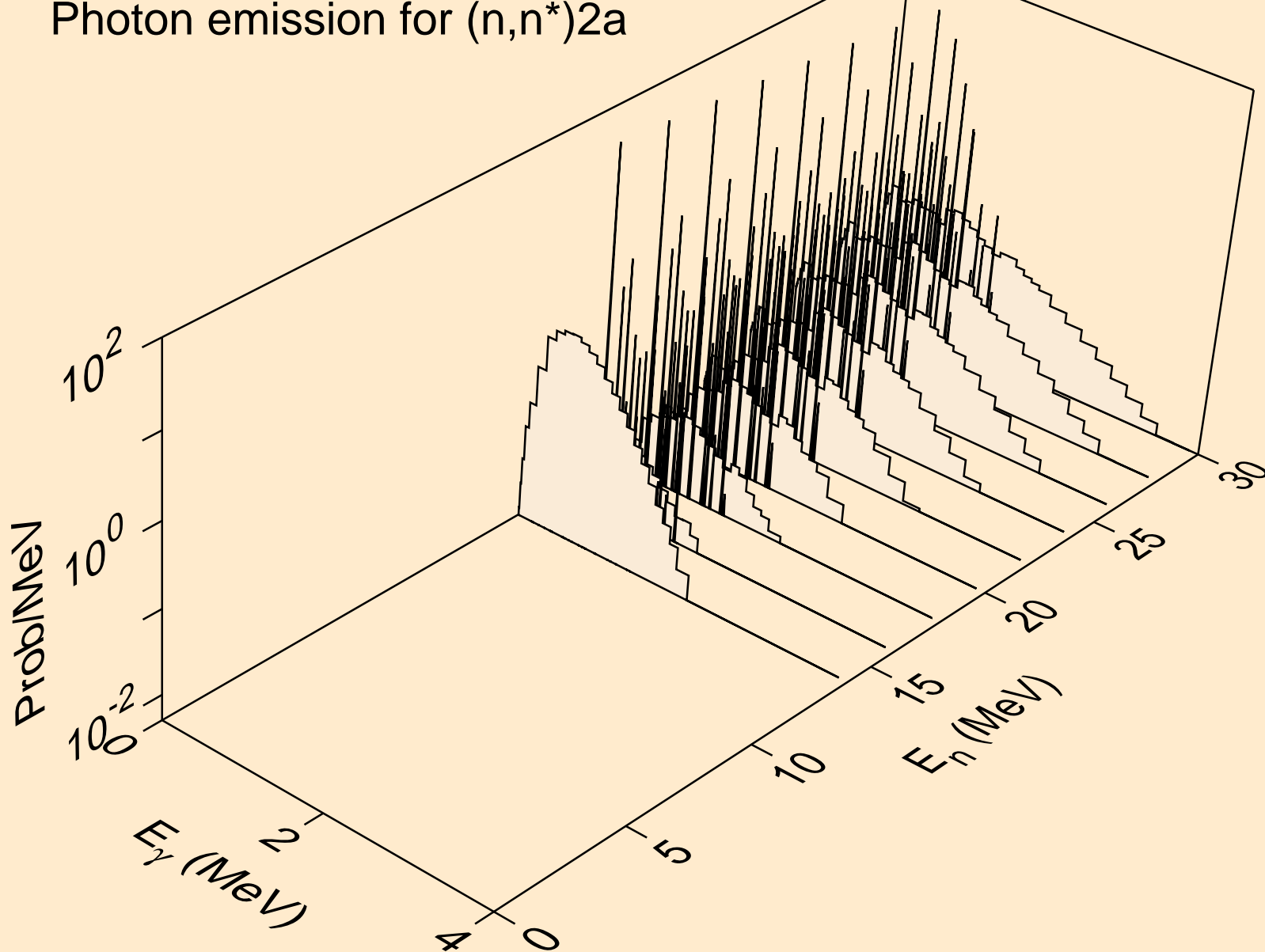
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a



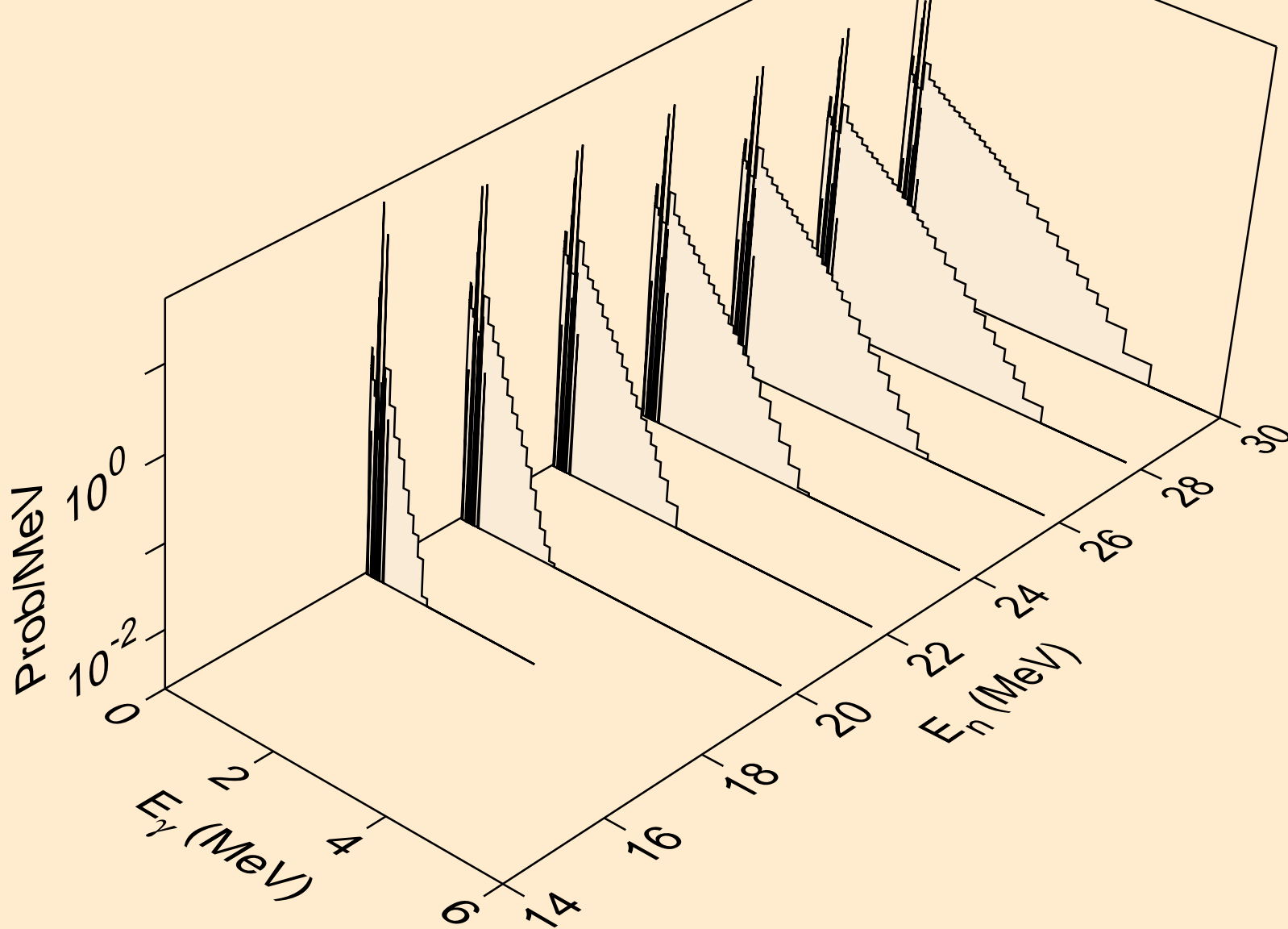
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p



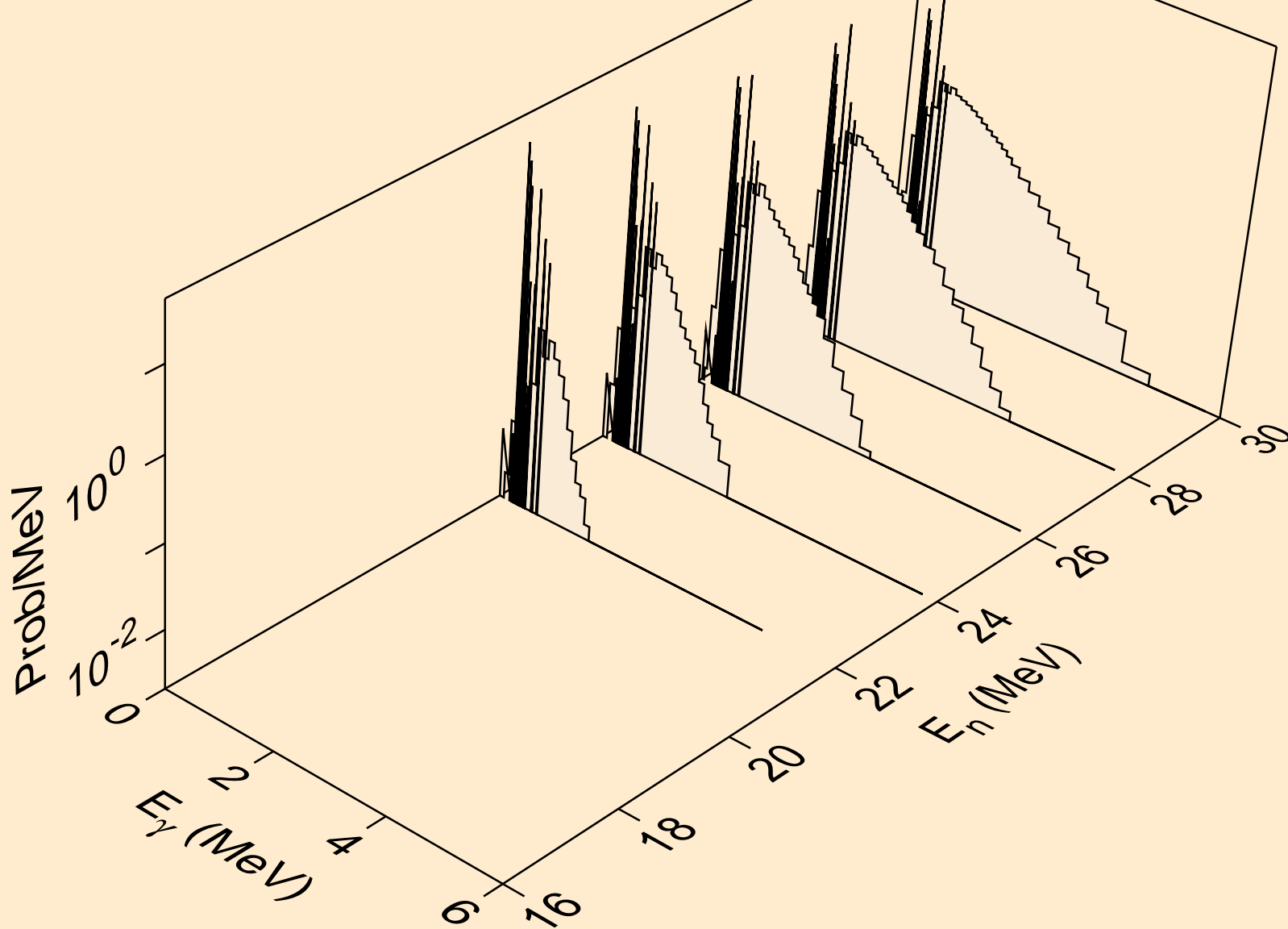
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)2a



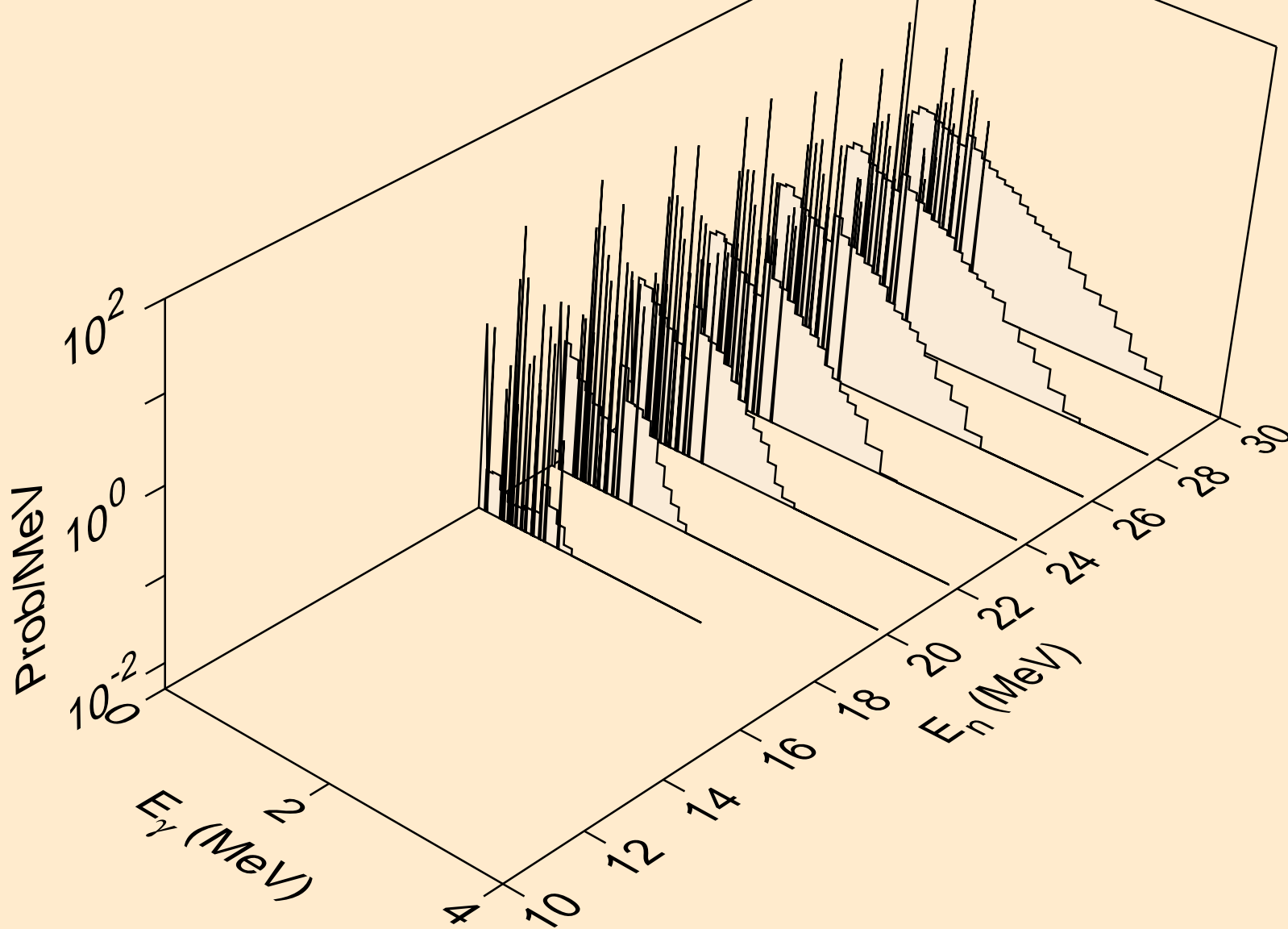
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d



SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t

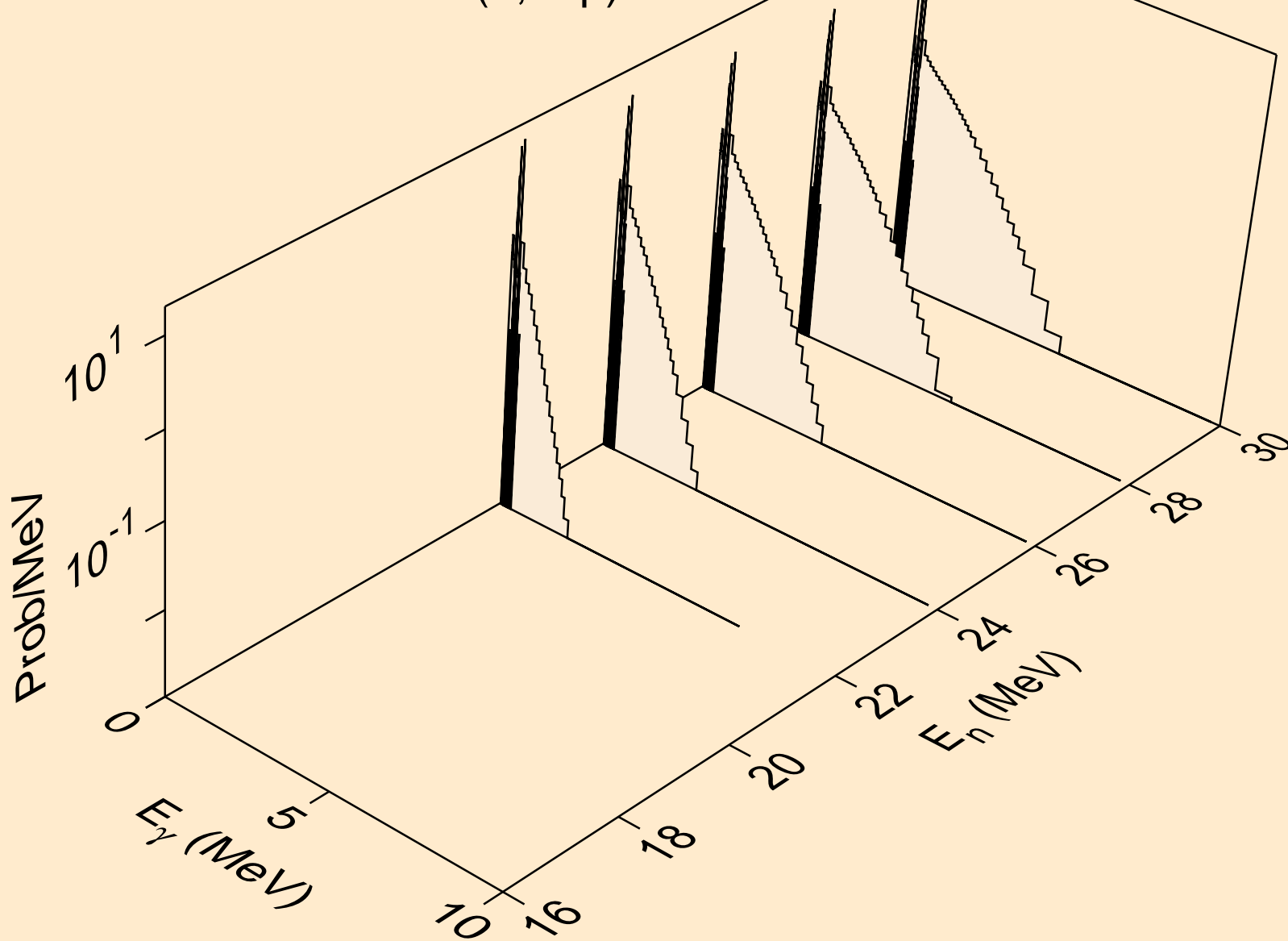


SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3

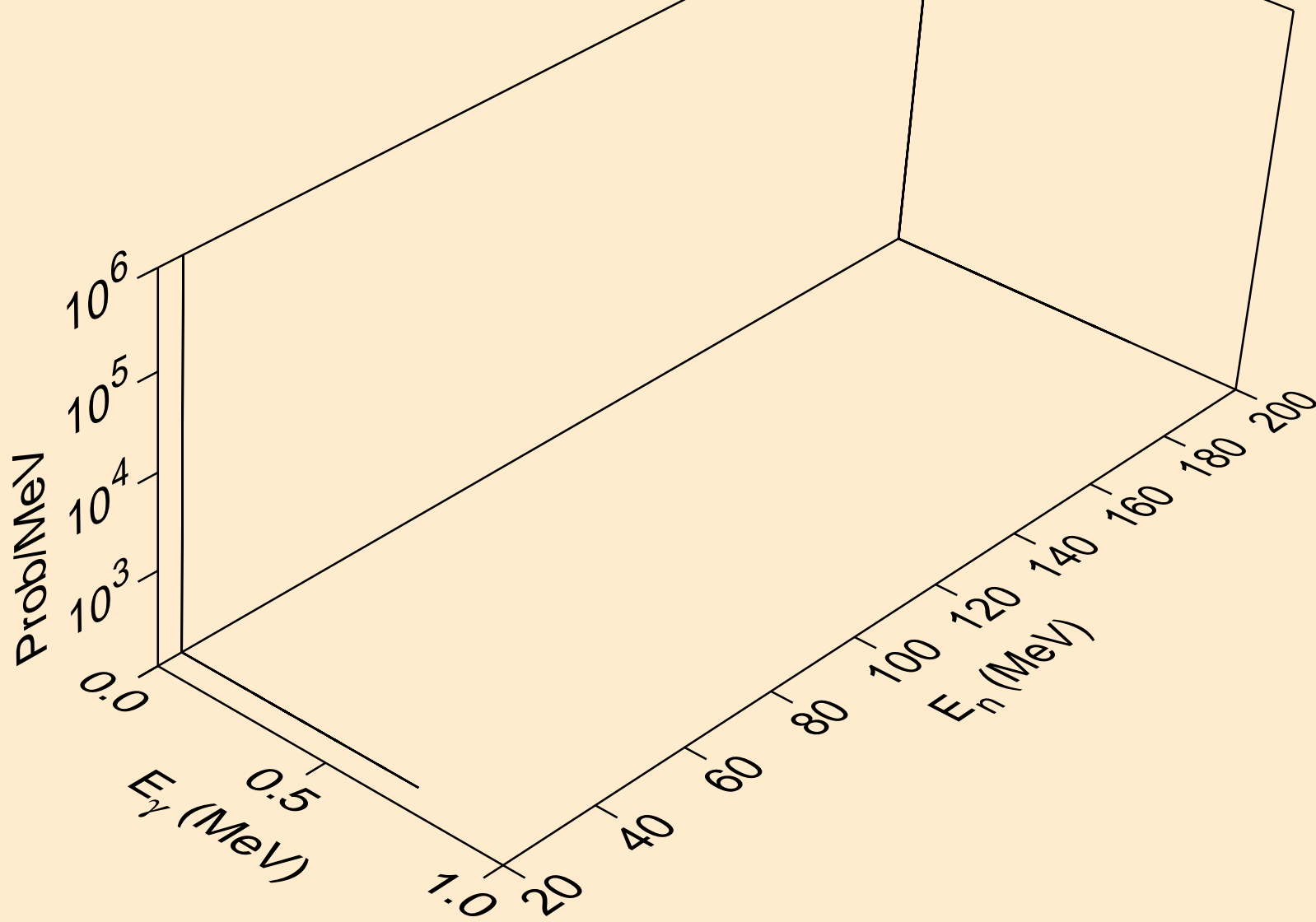




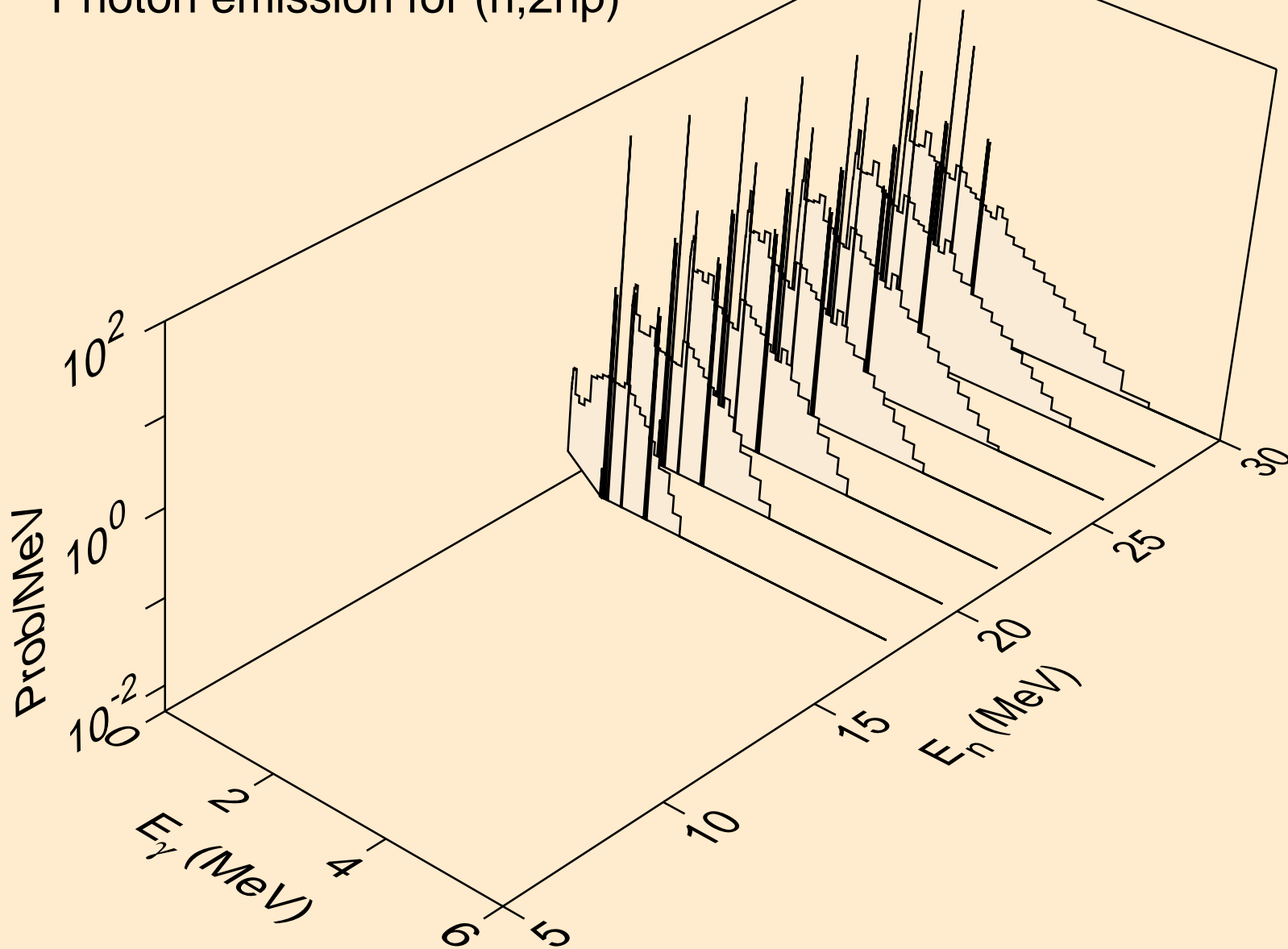
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



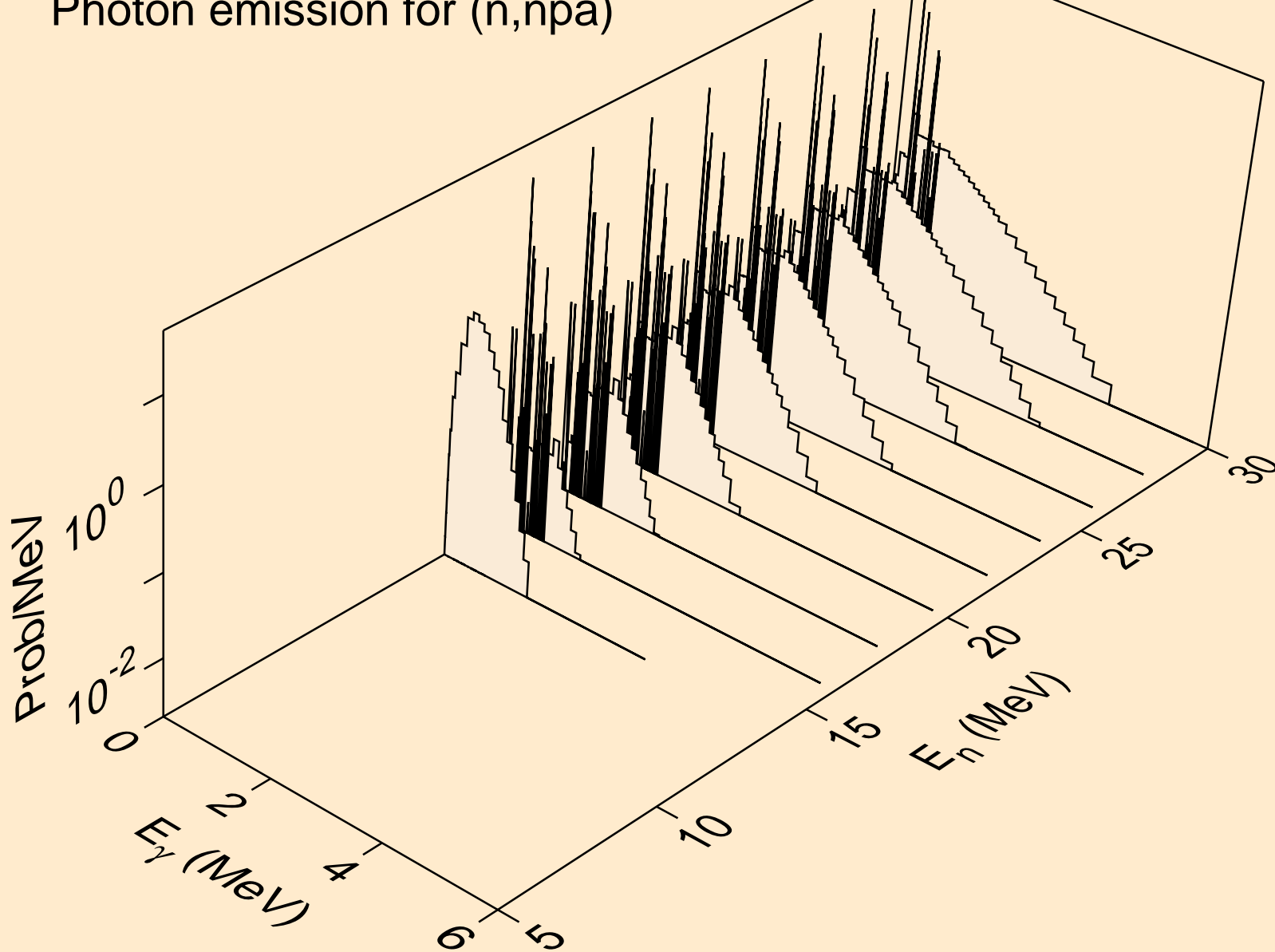
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)



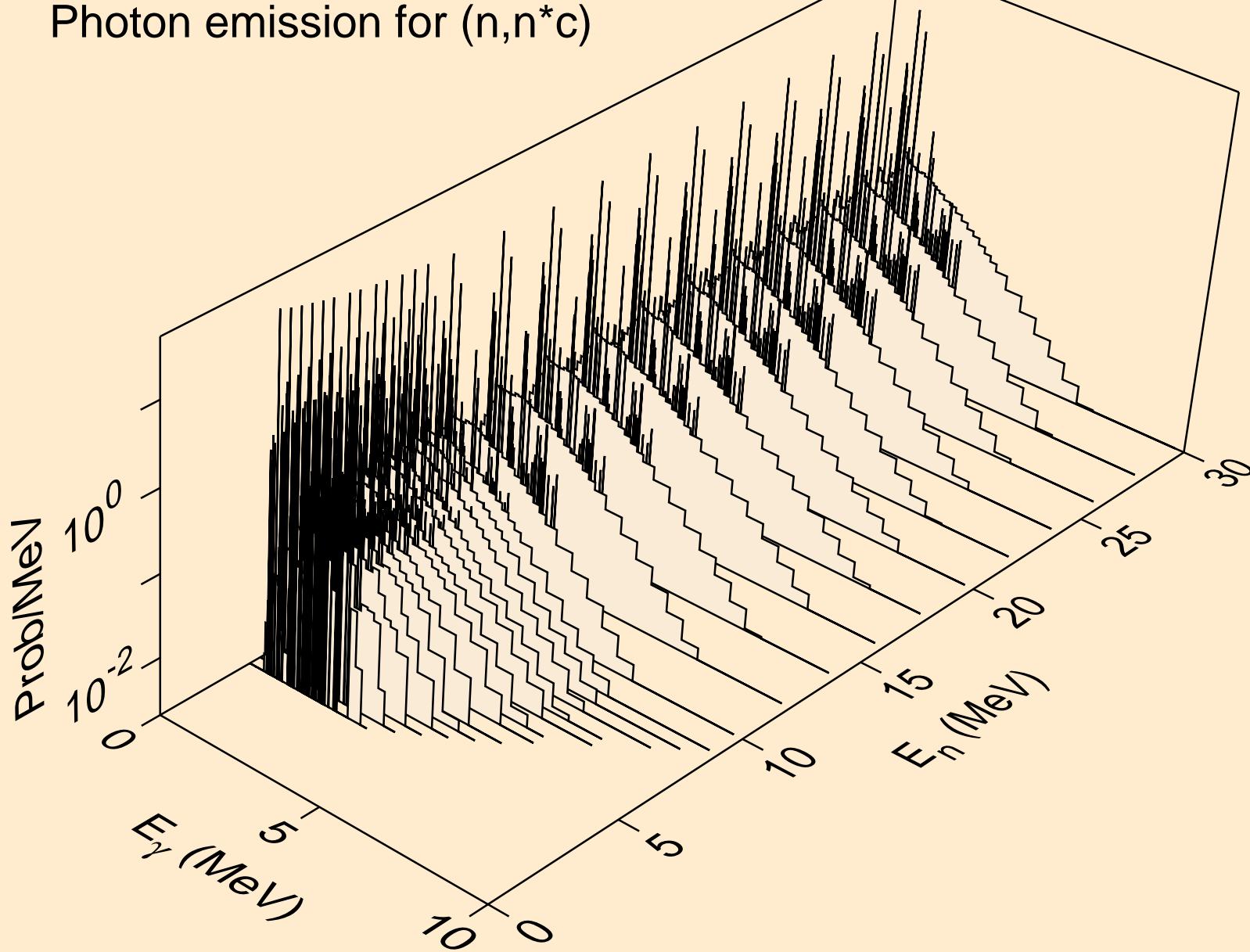
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



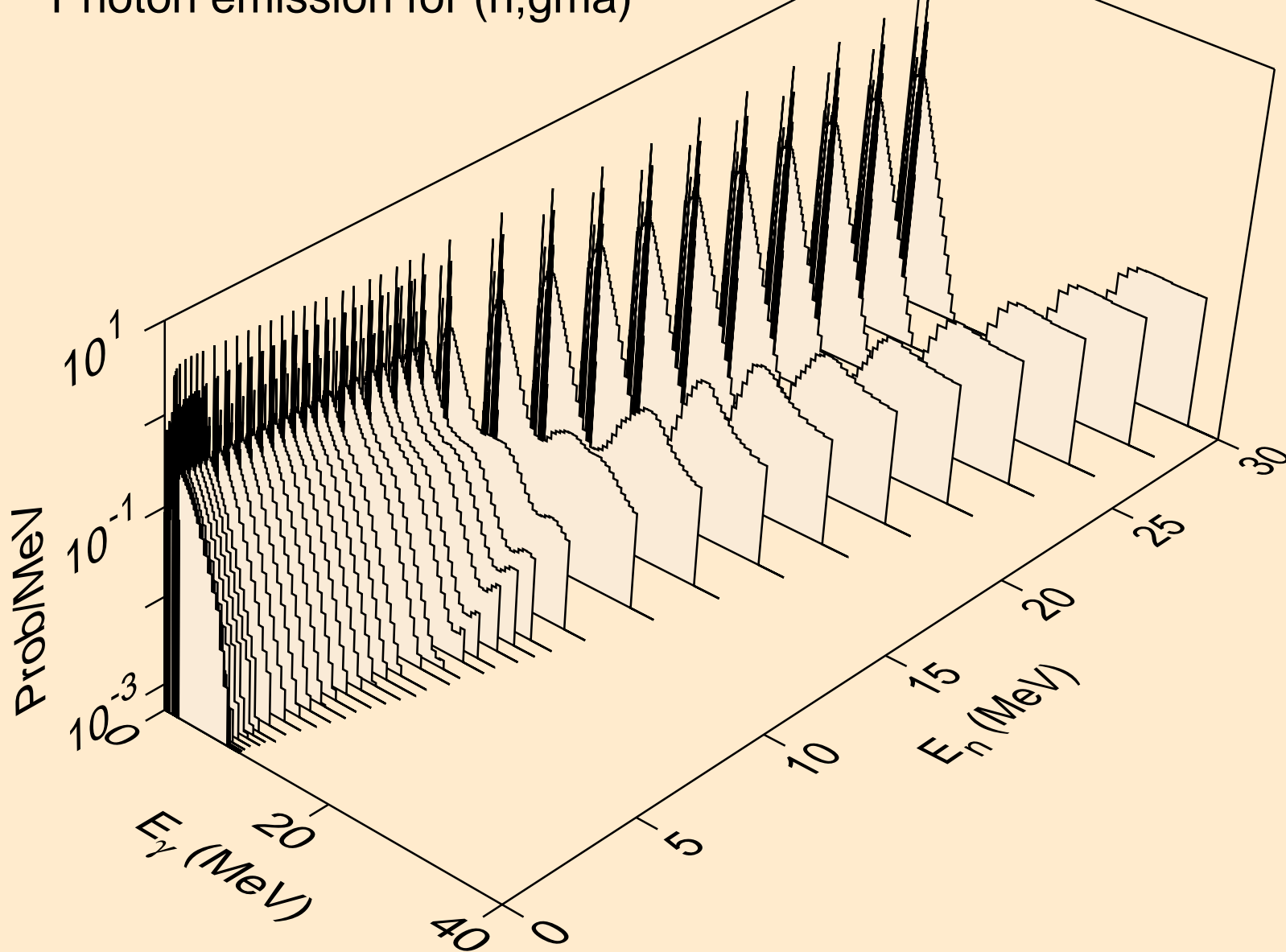
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)



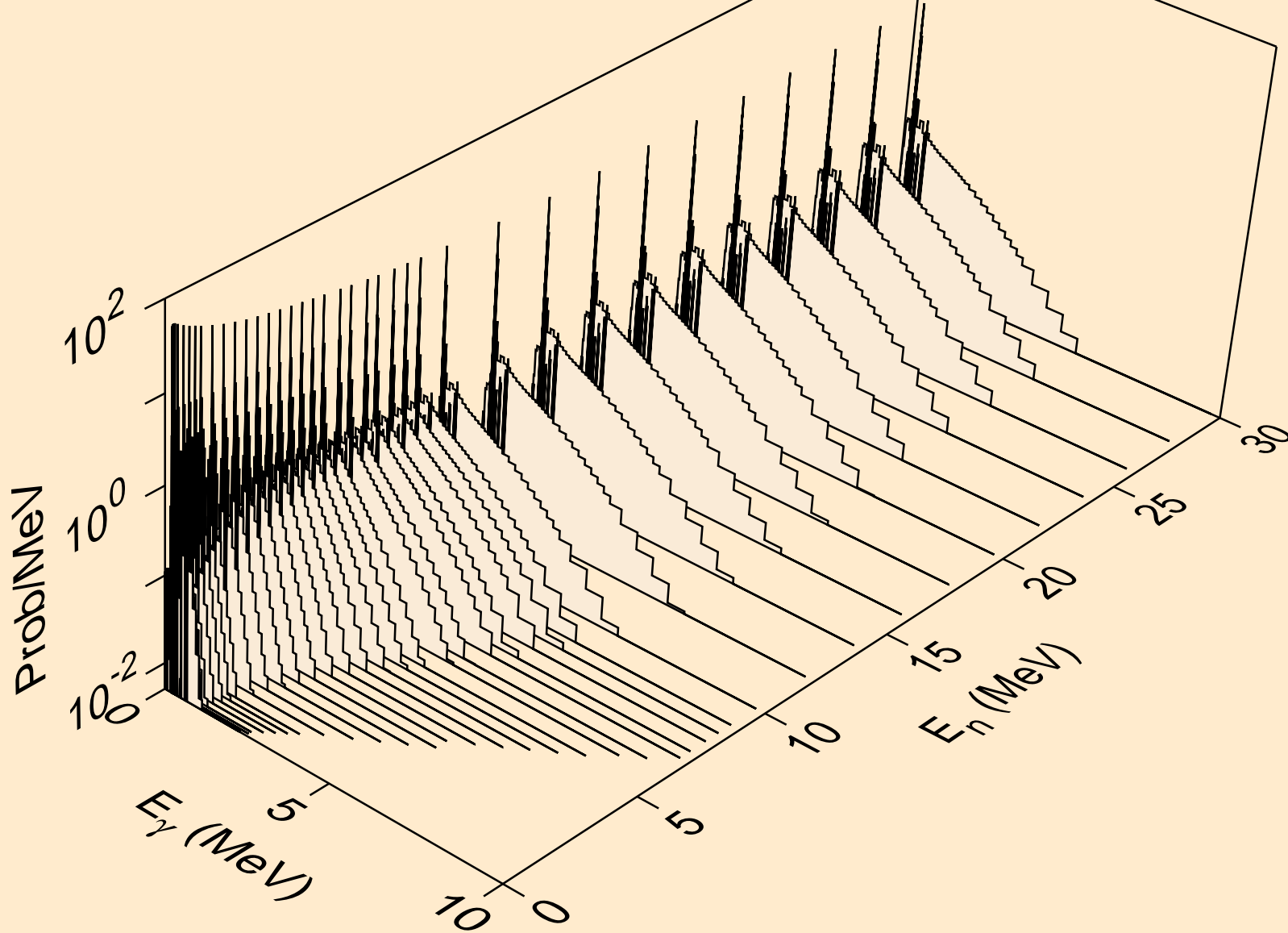
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)



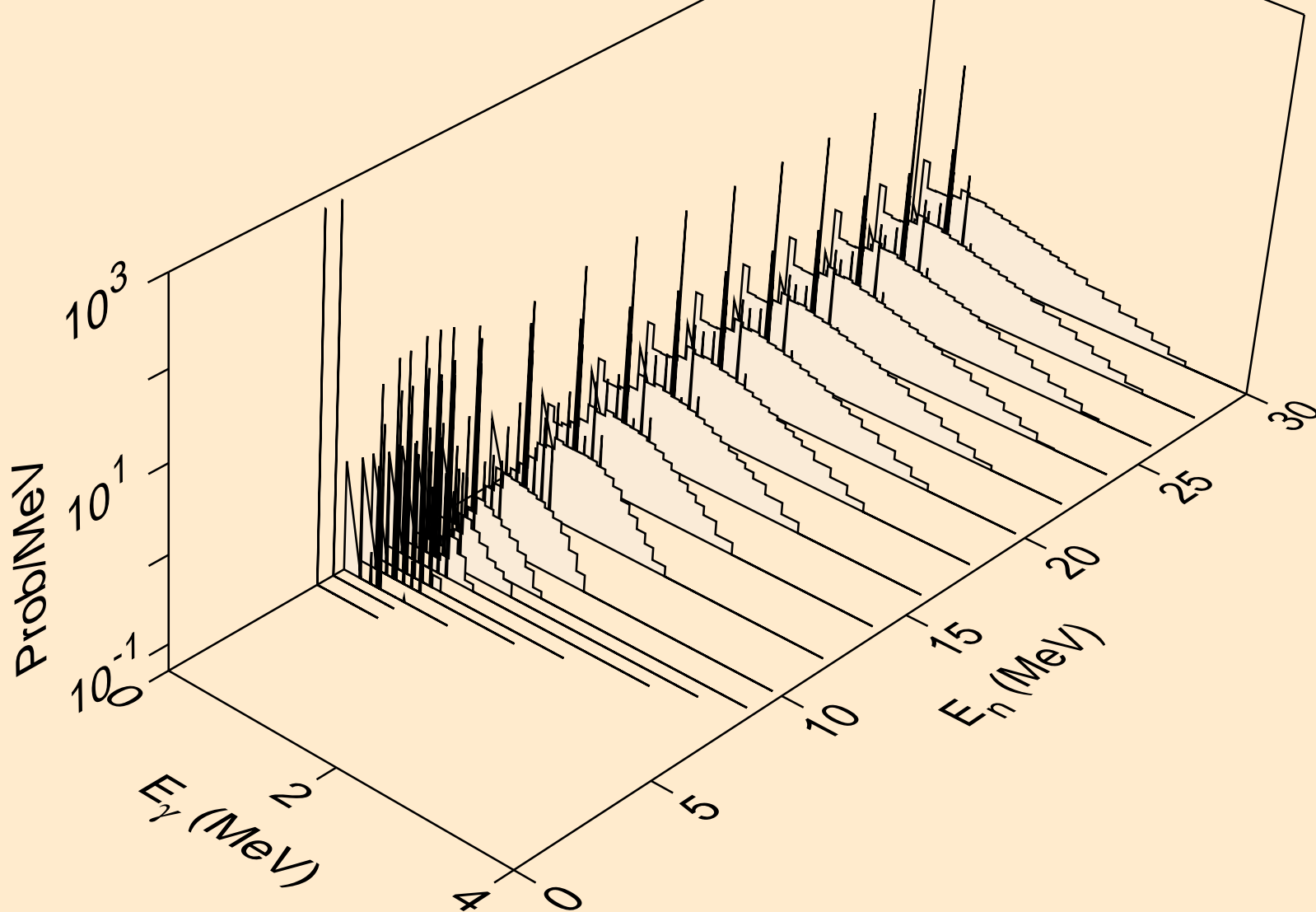
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)



SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)

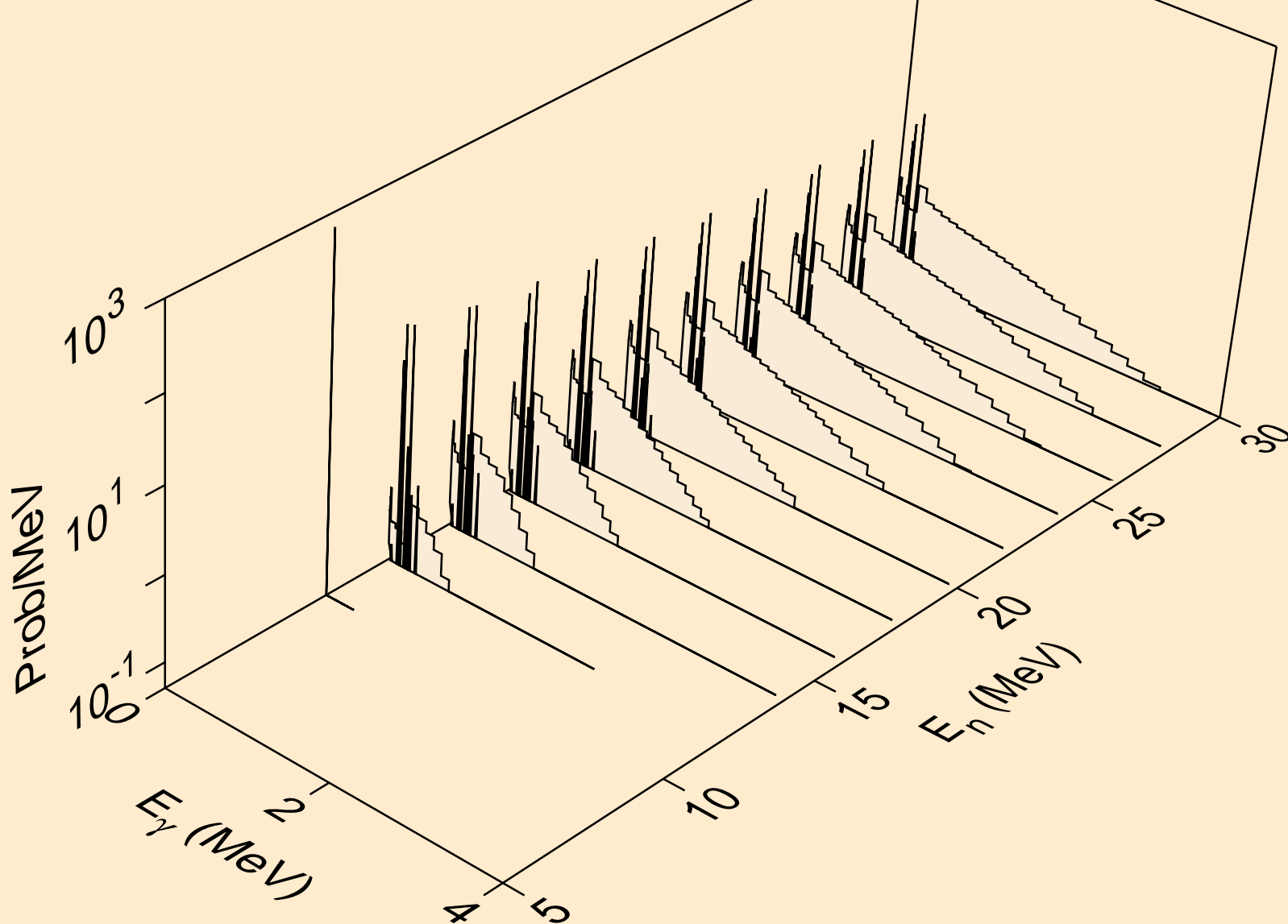


SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)

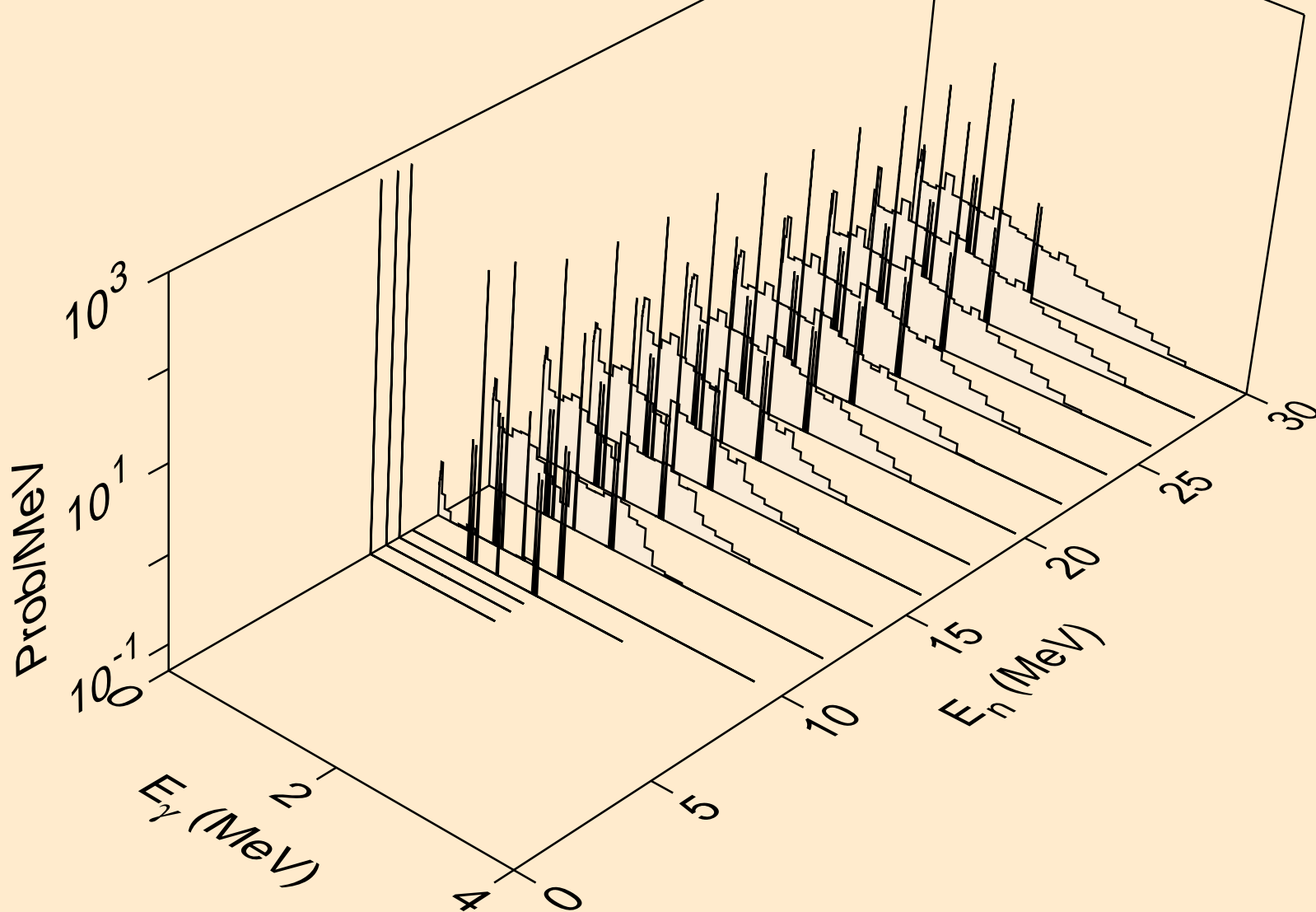




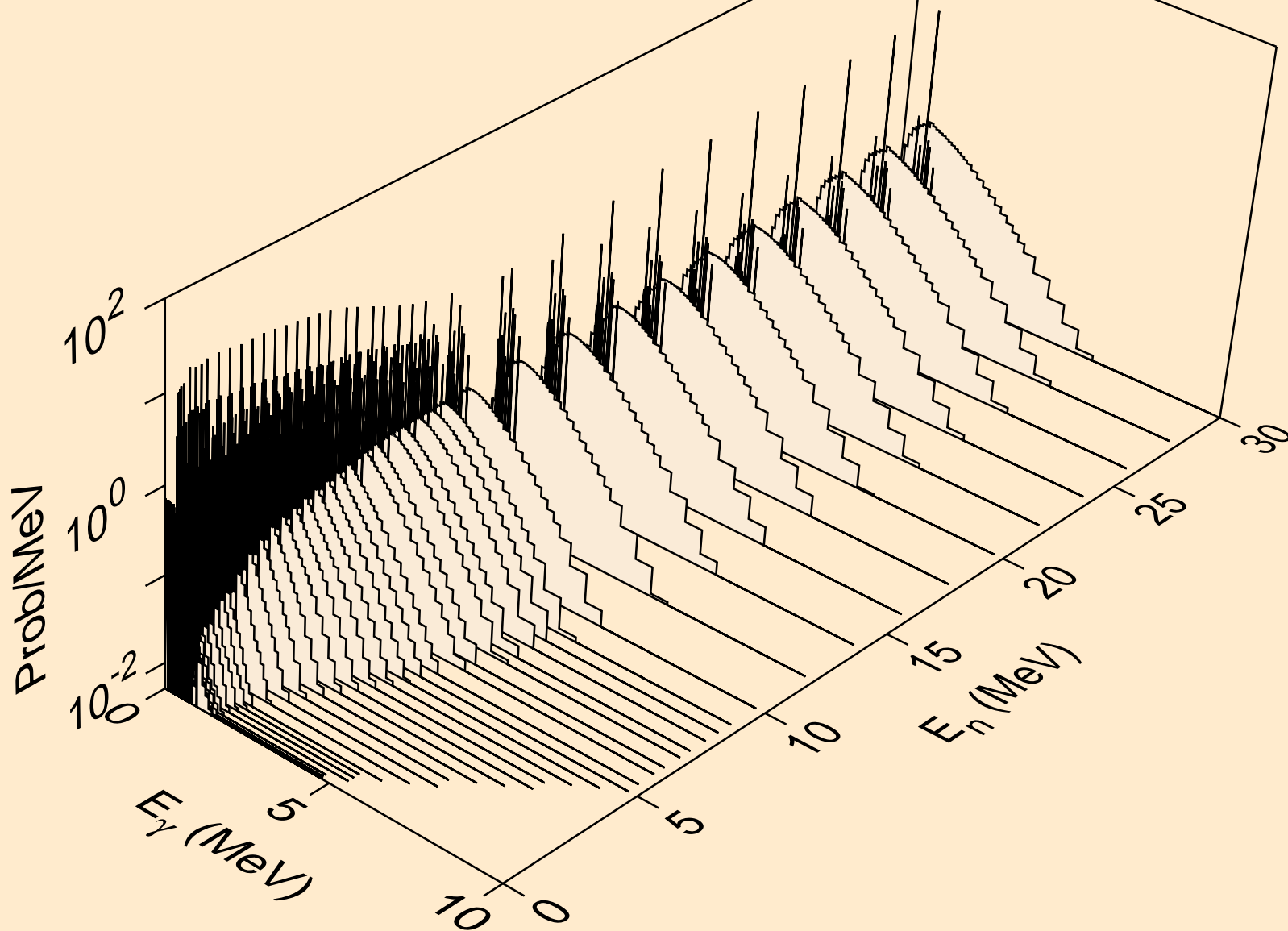
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



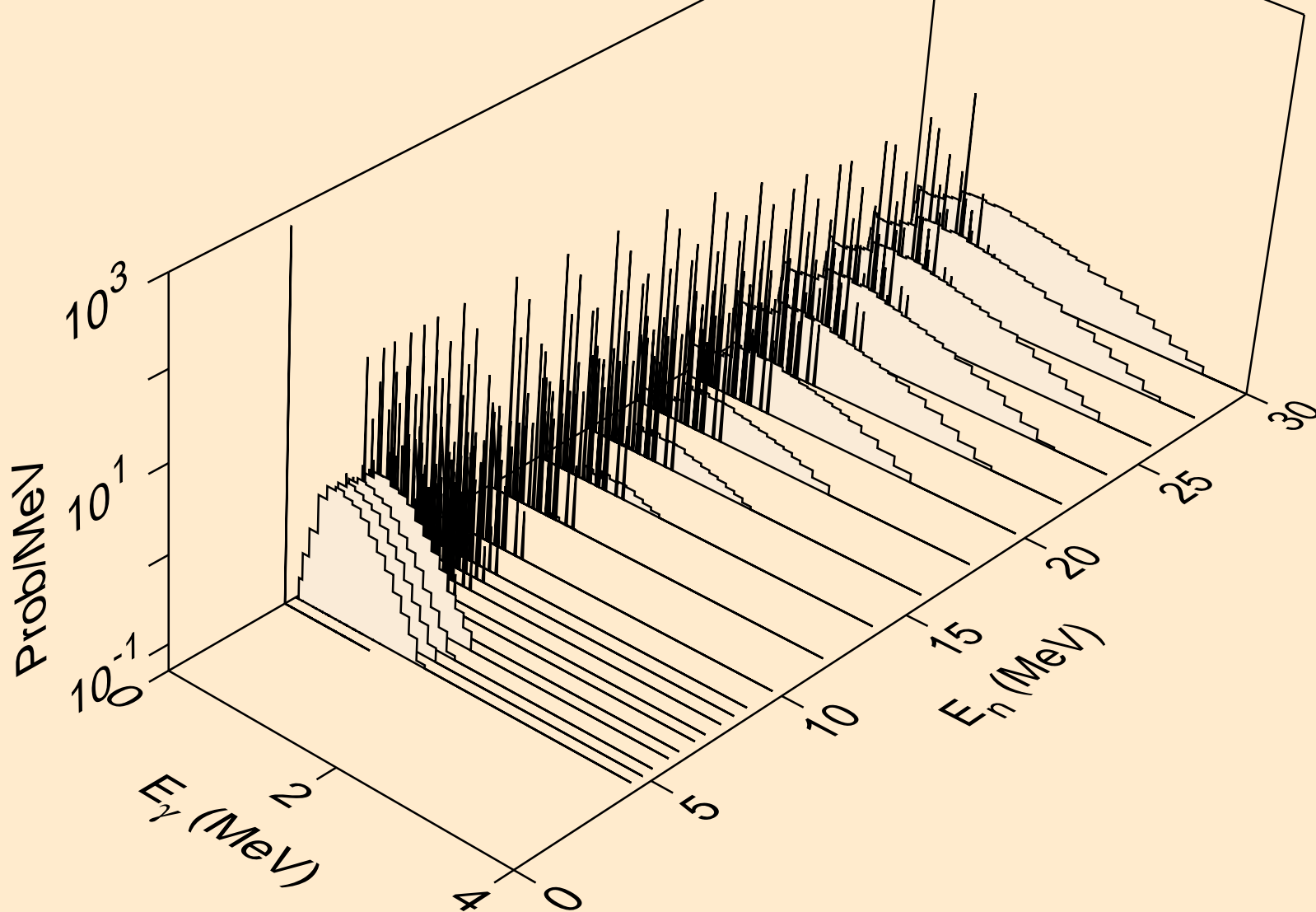
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)



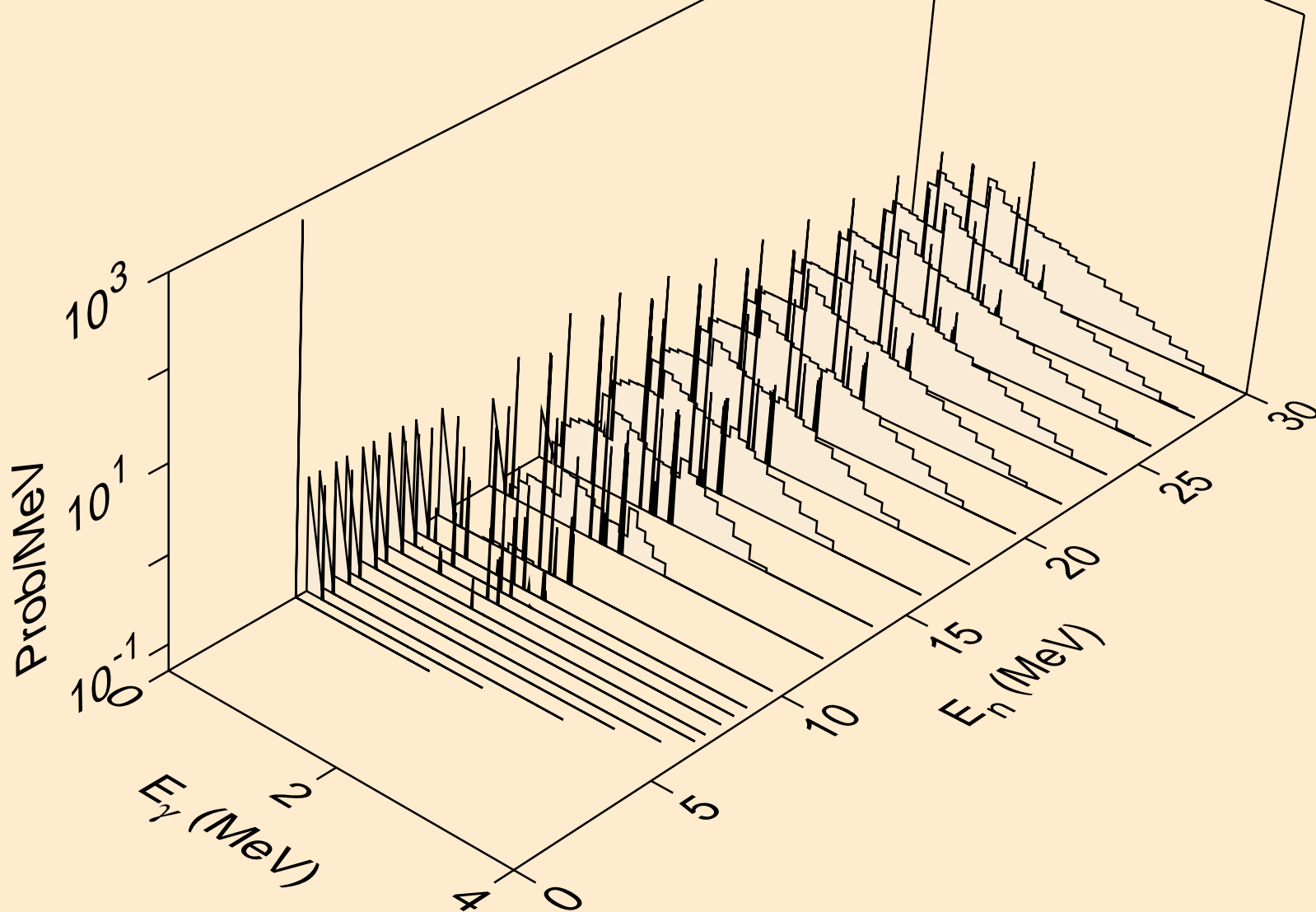
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



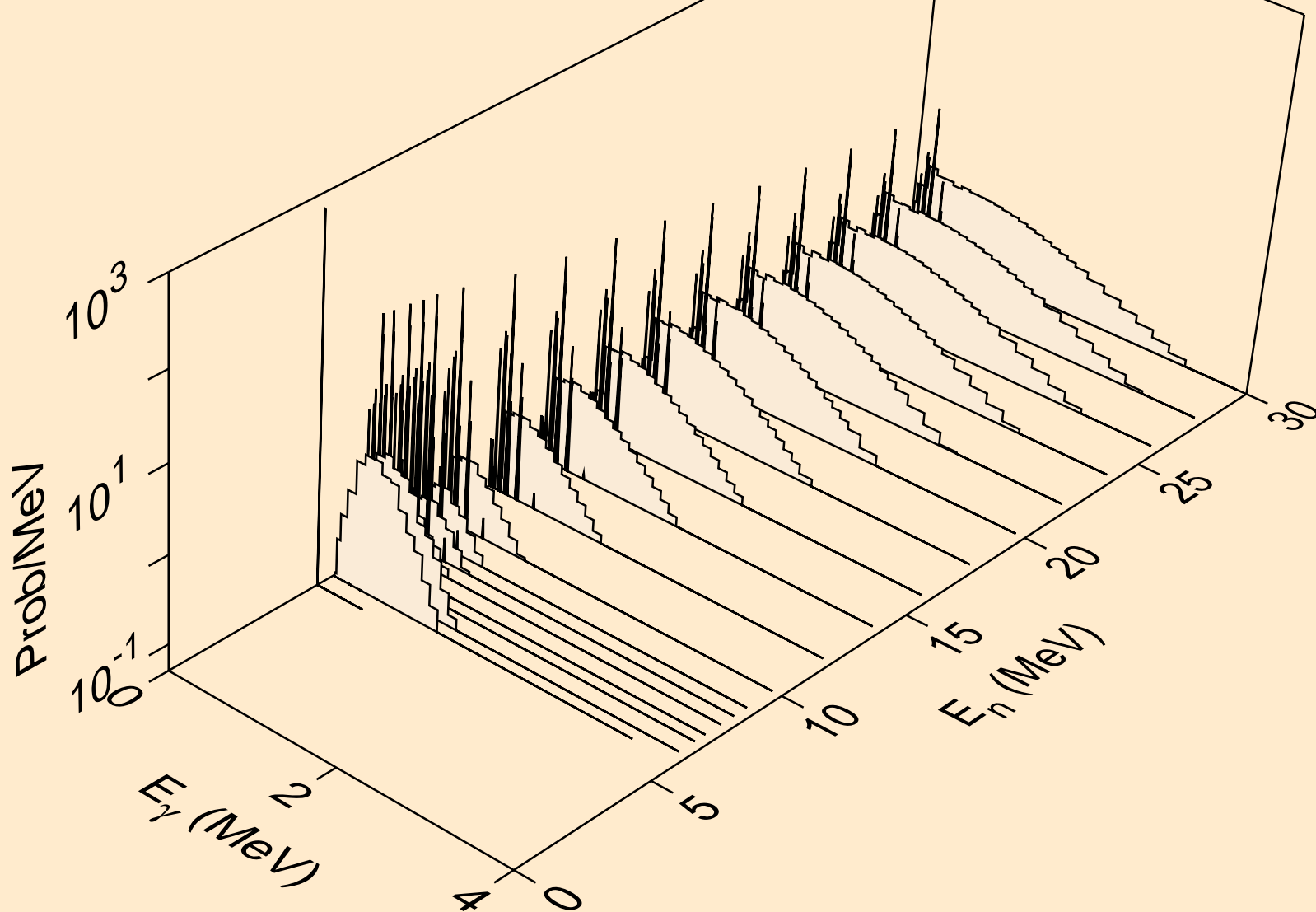
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2a)



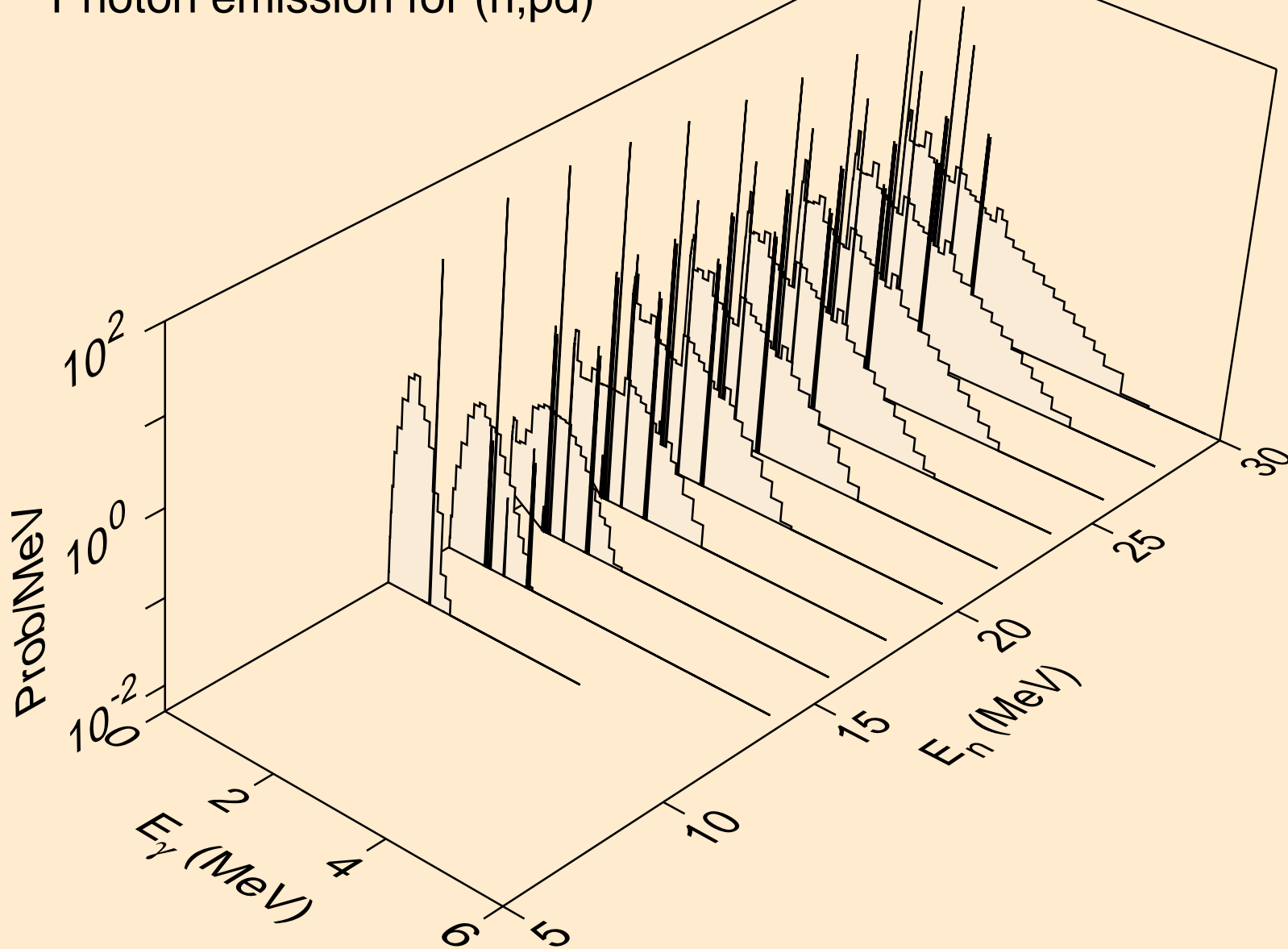
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)



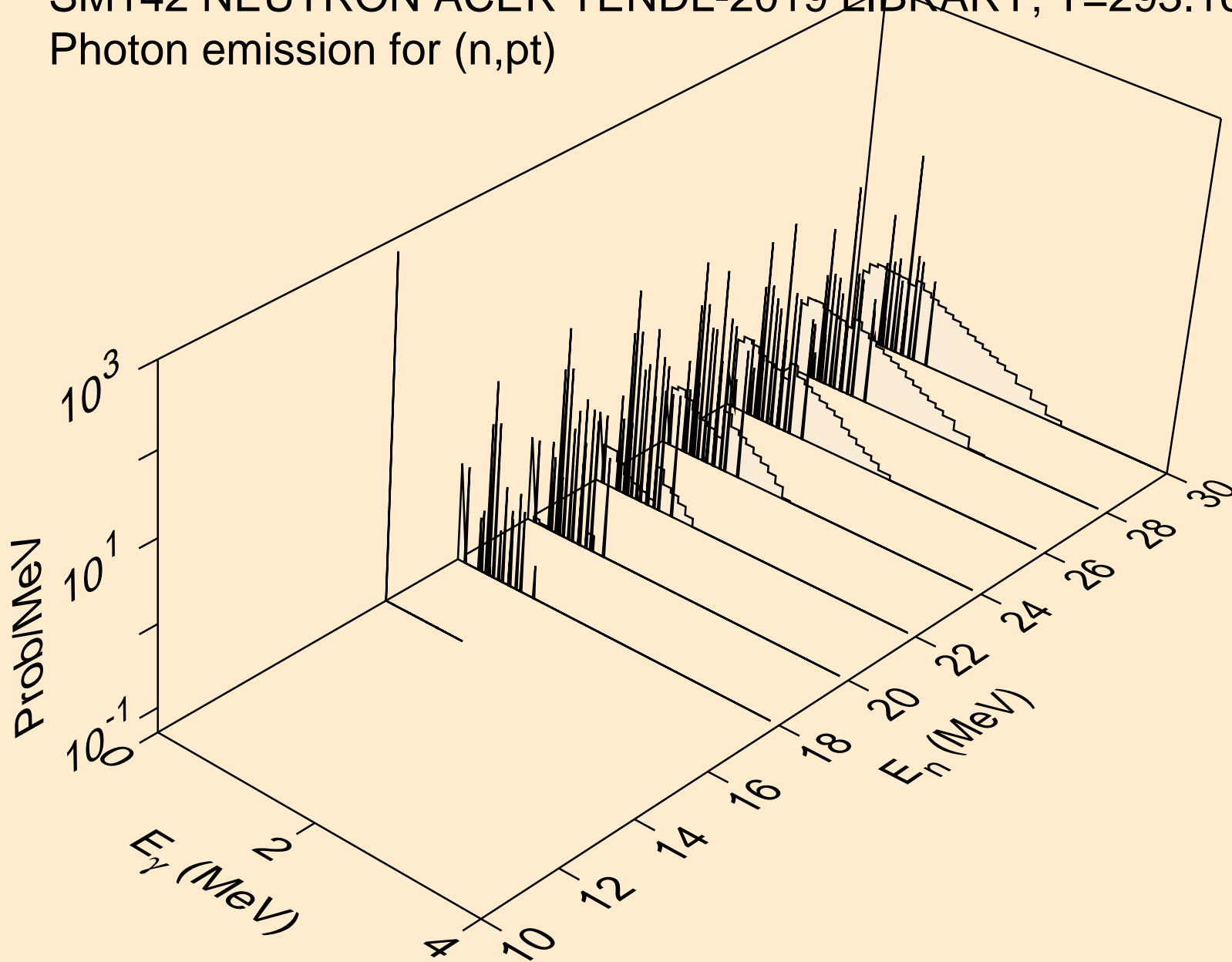
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)

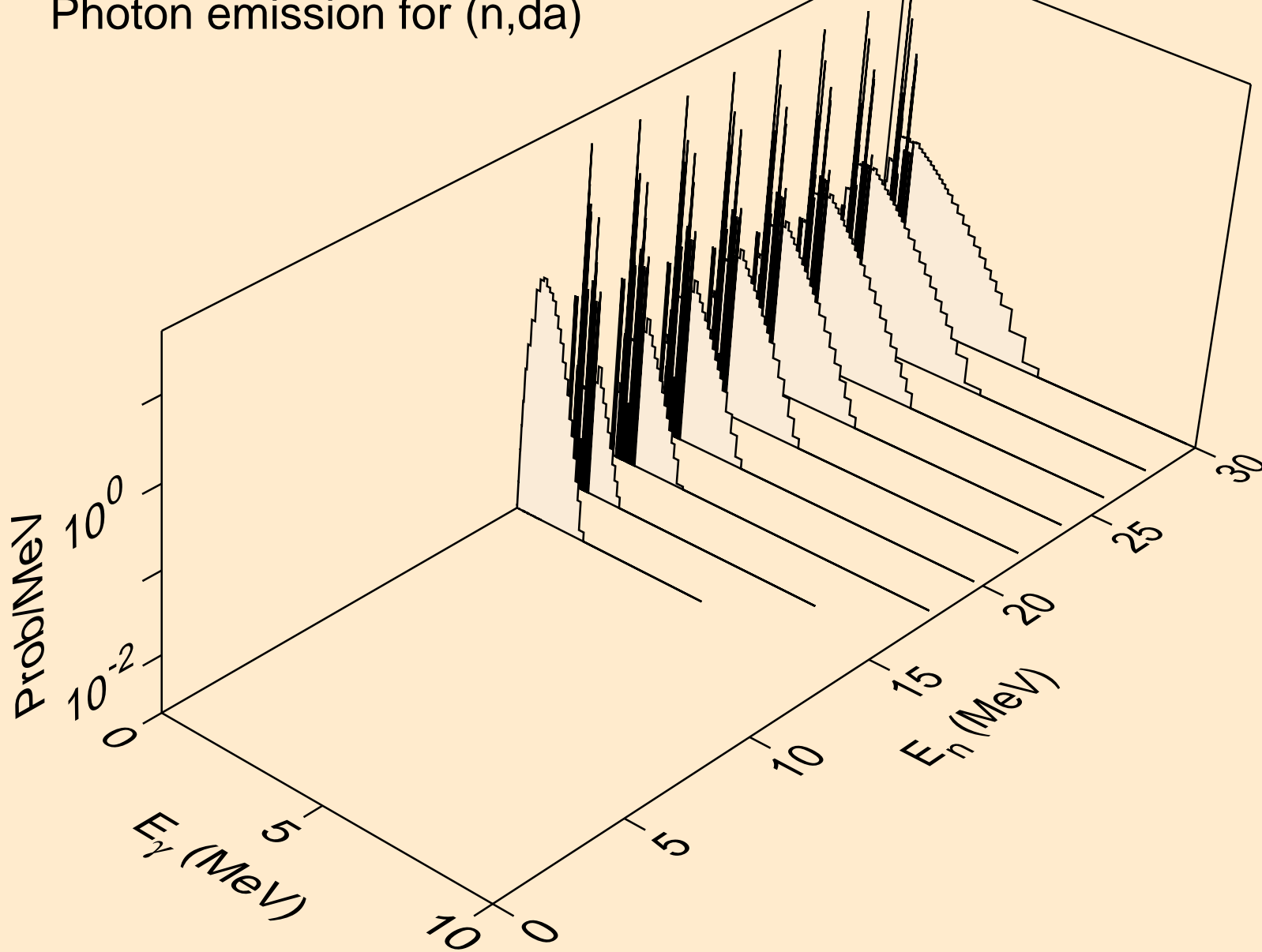


SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pt)

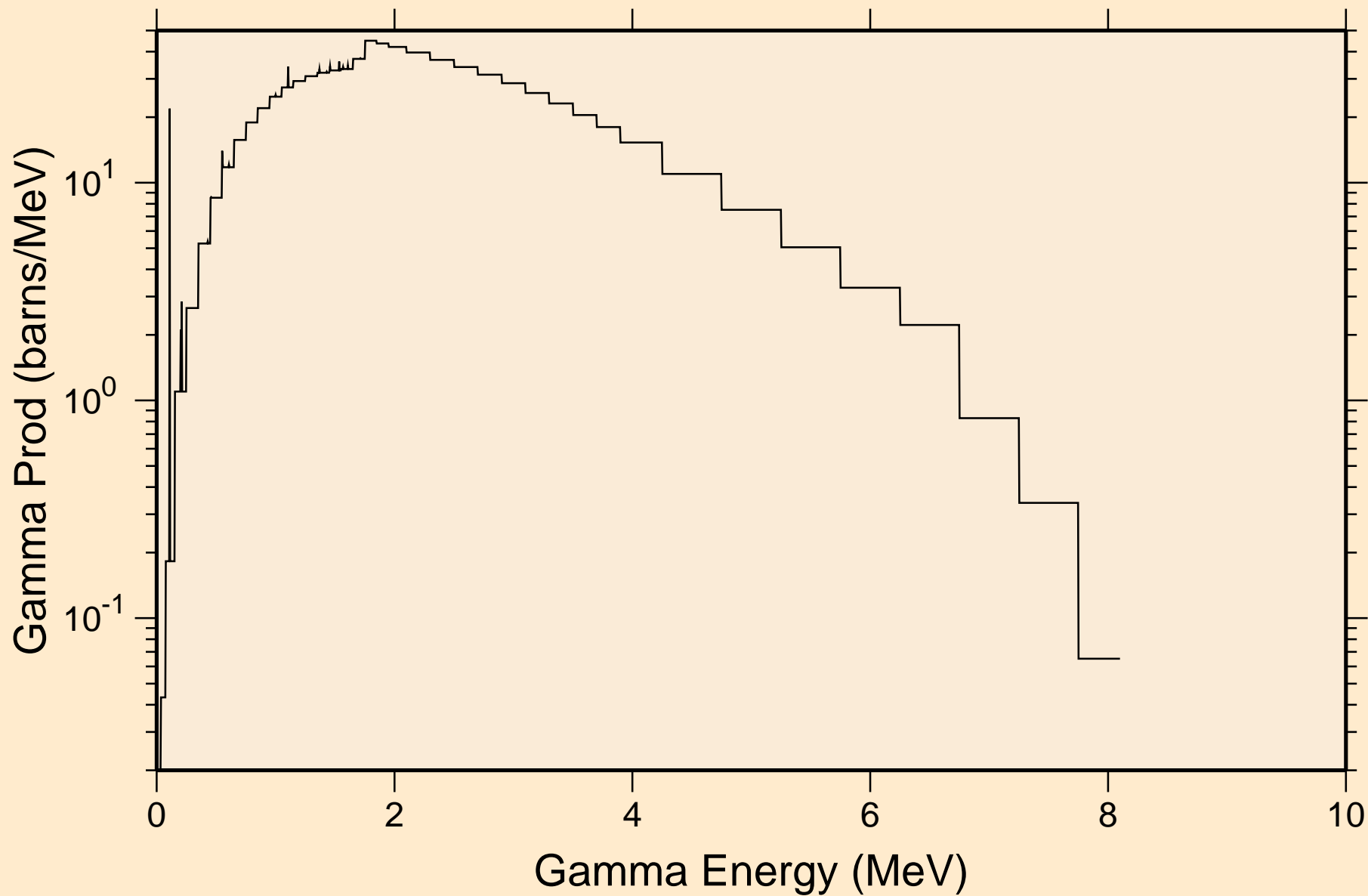




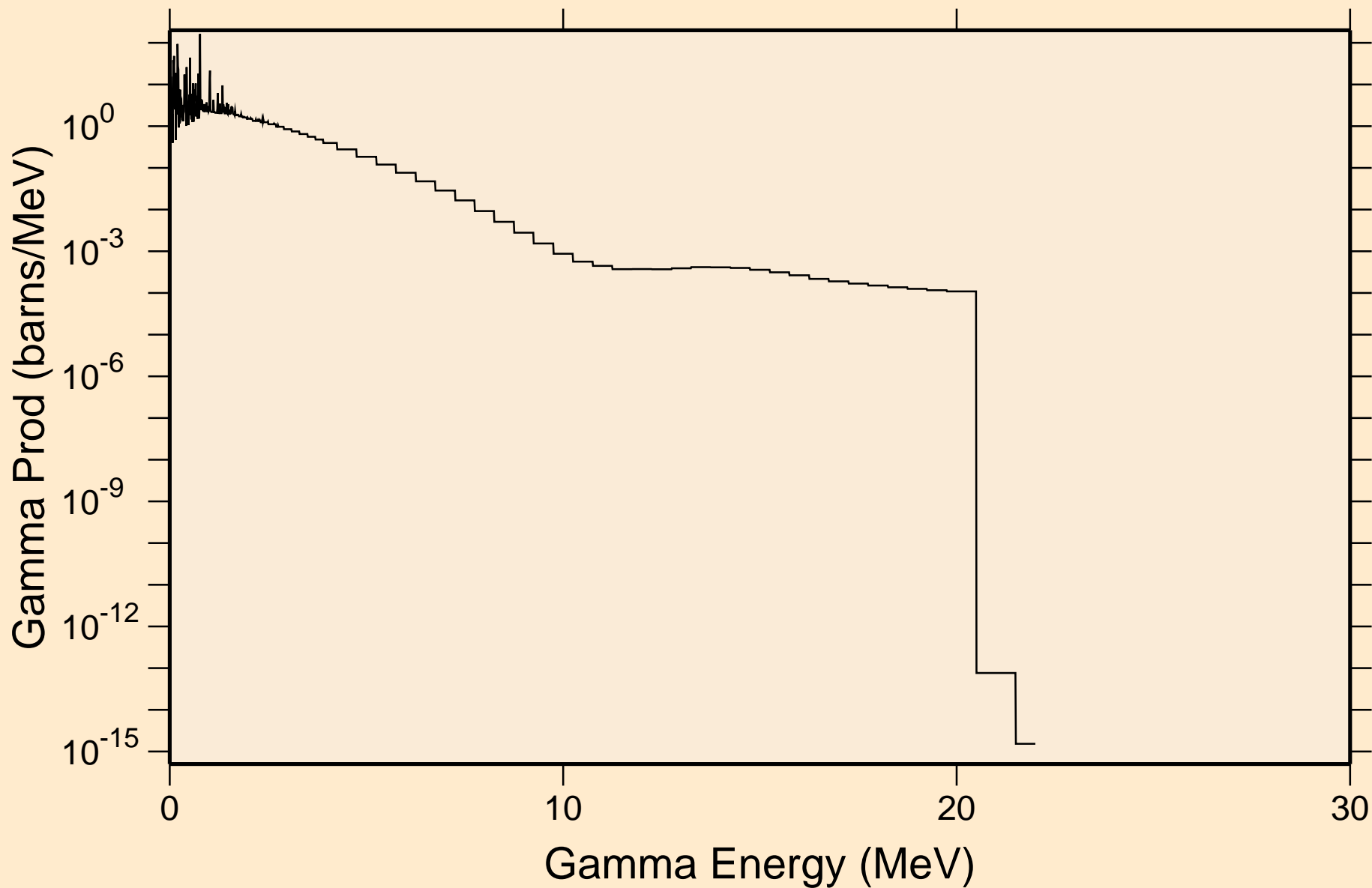
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)



SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum

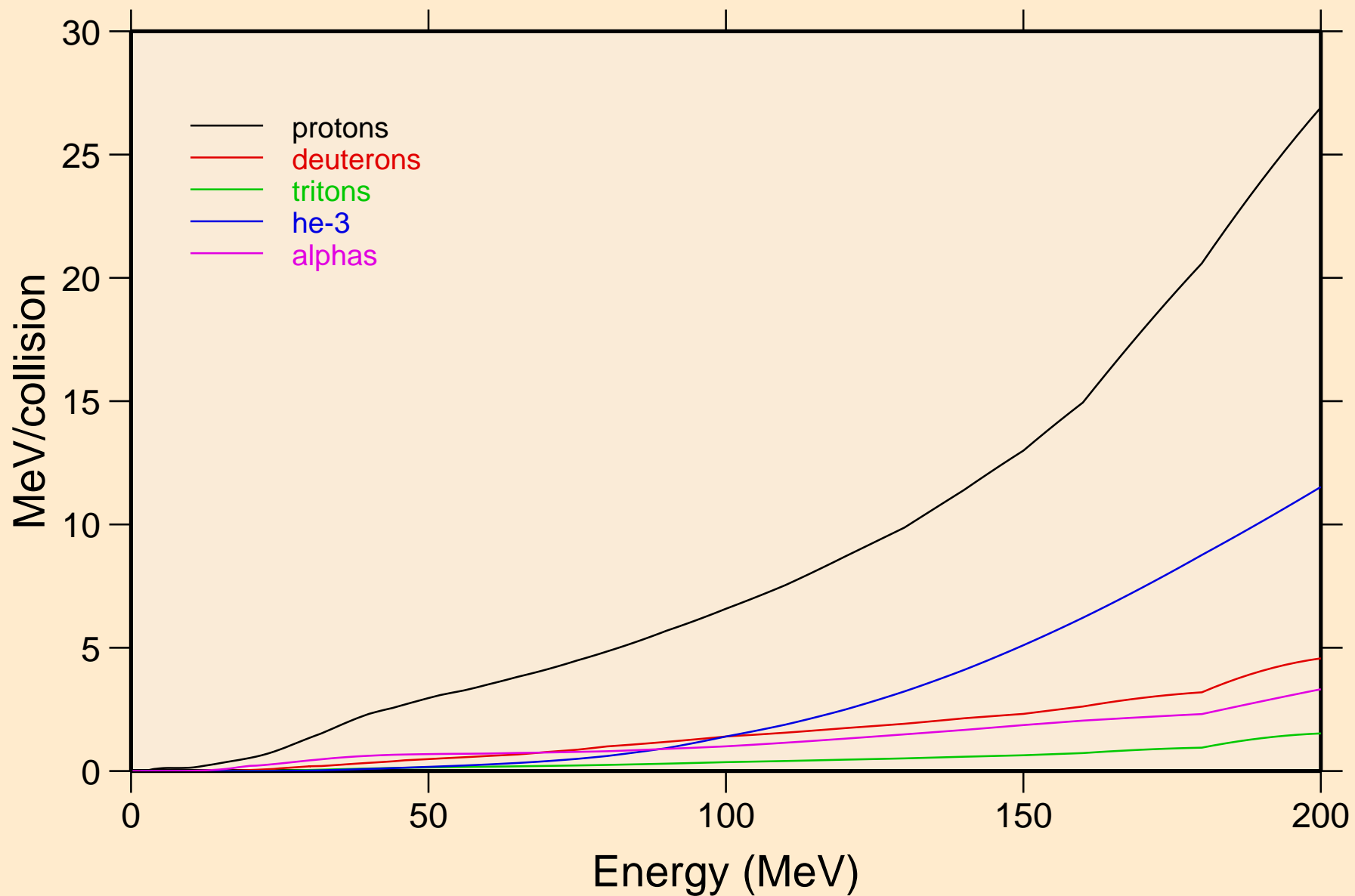


SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum

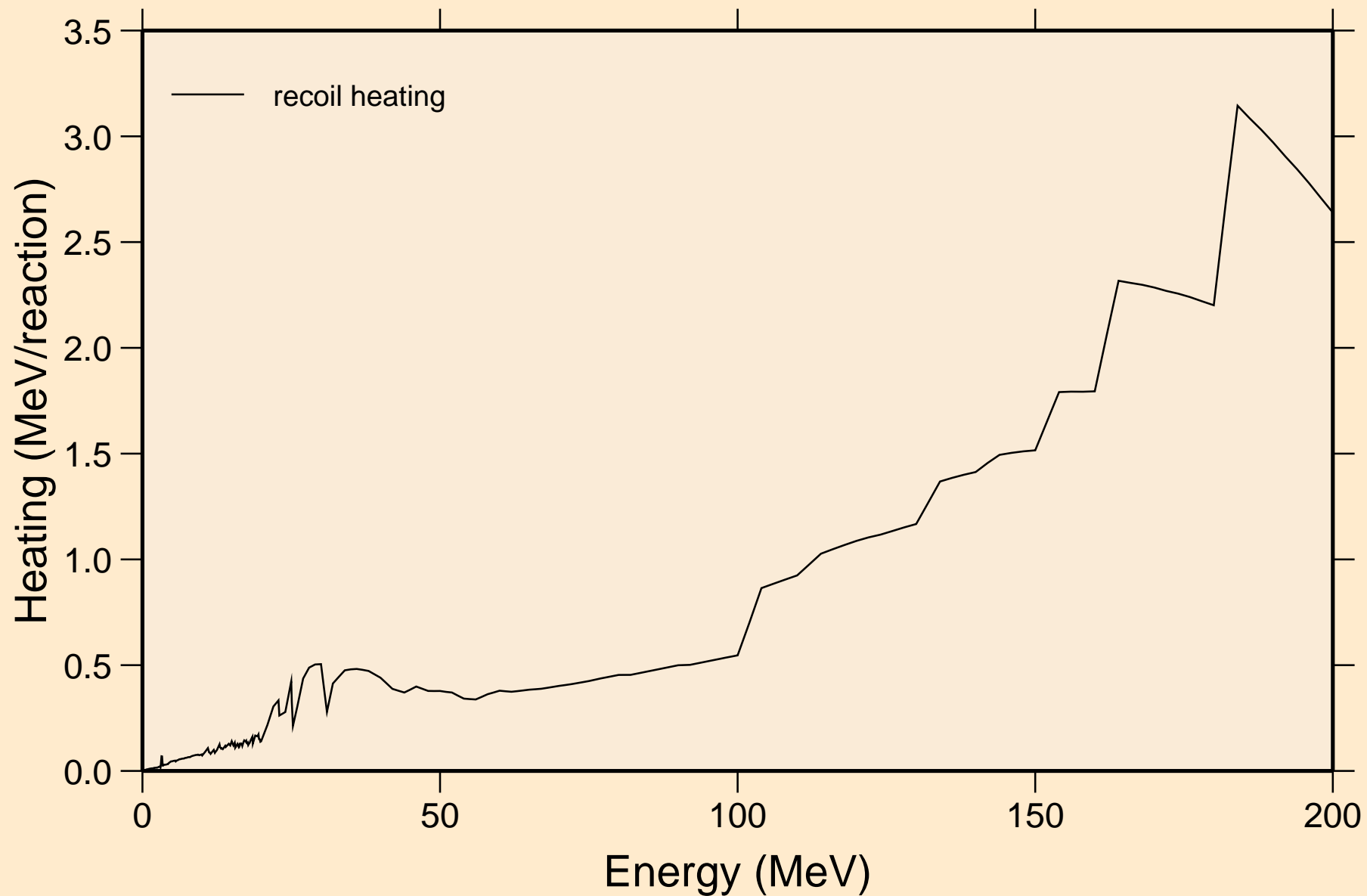


# SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

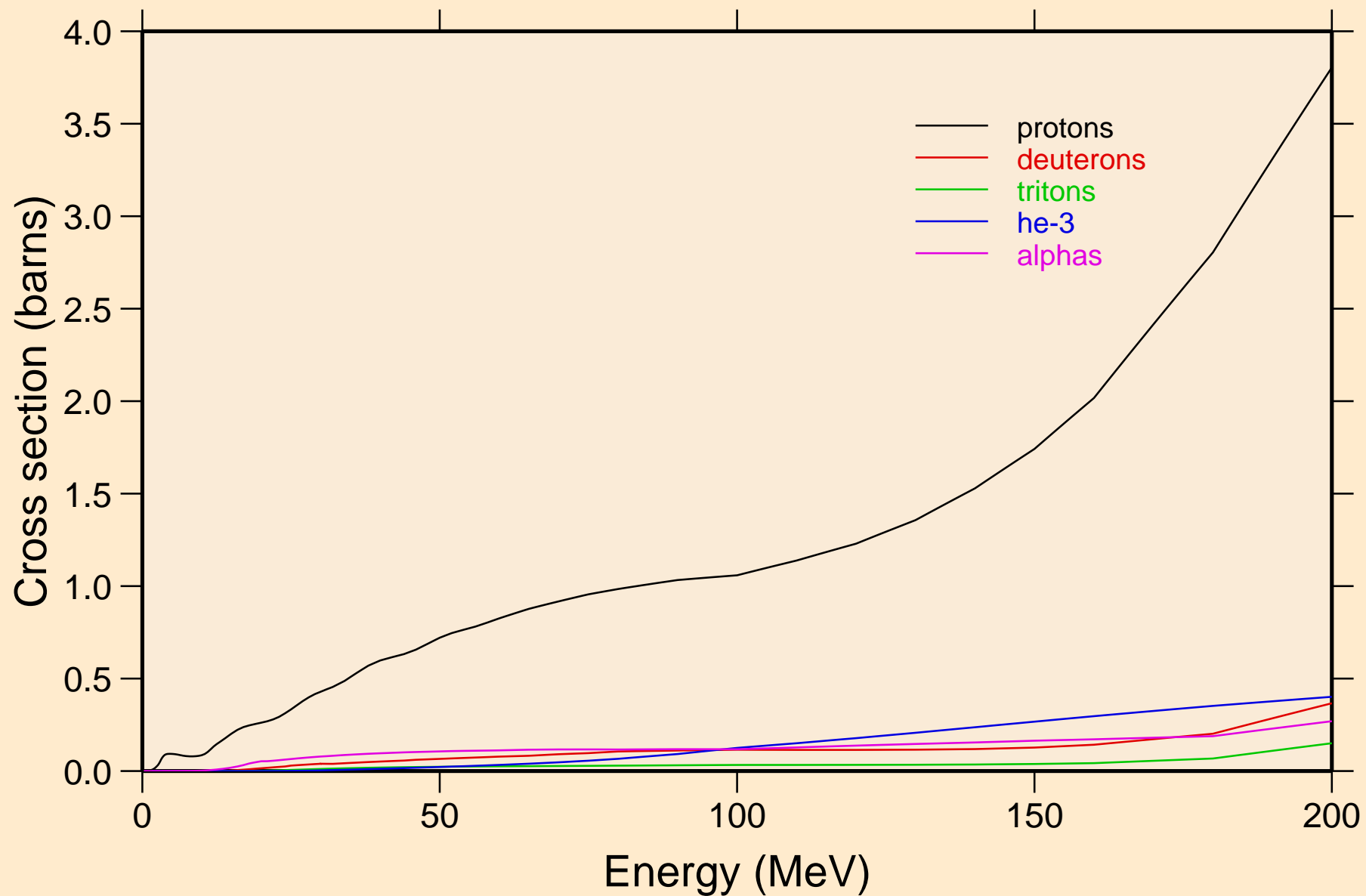
## Particle heating contributions



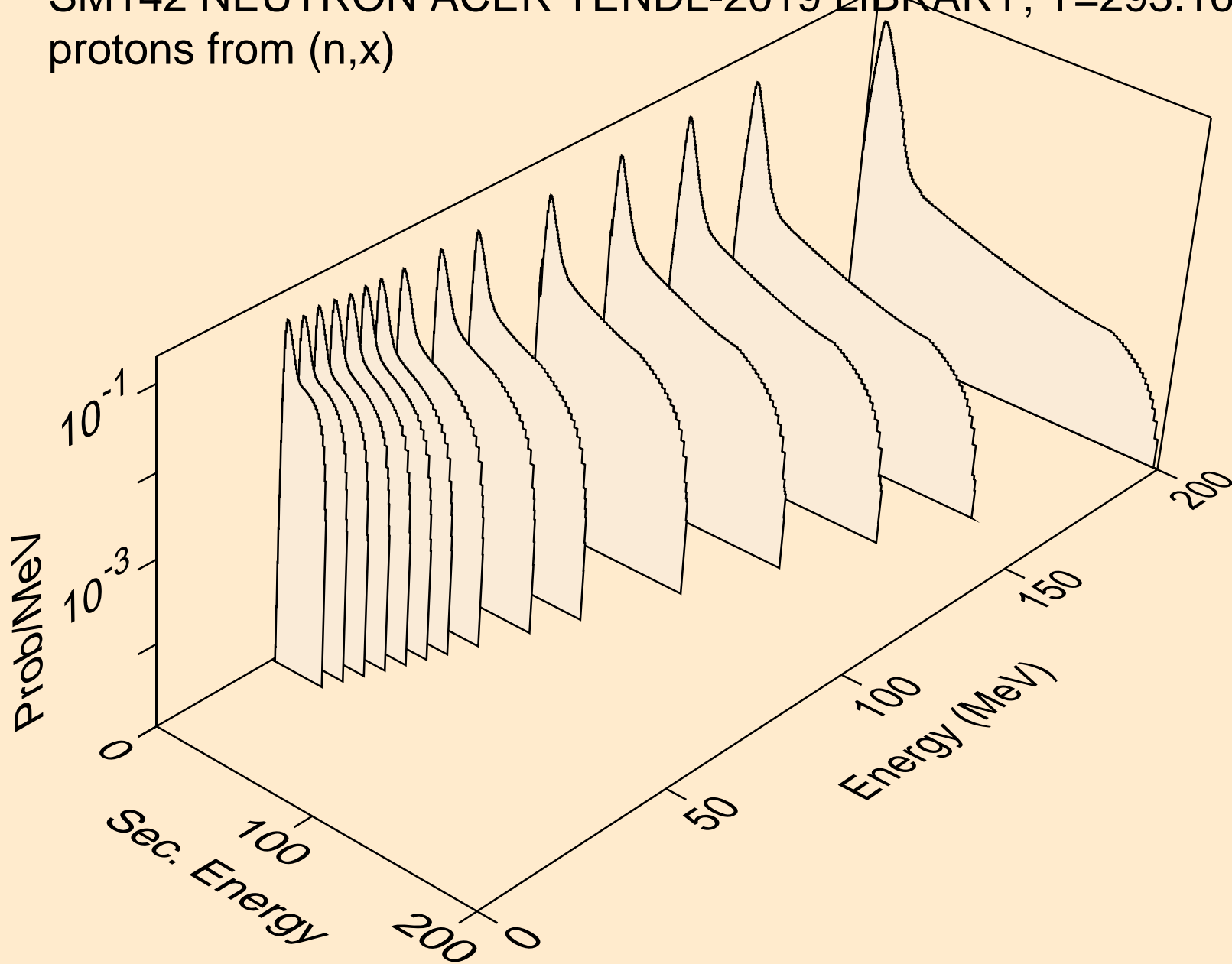
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating



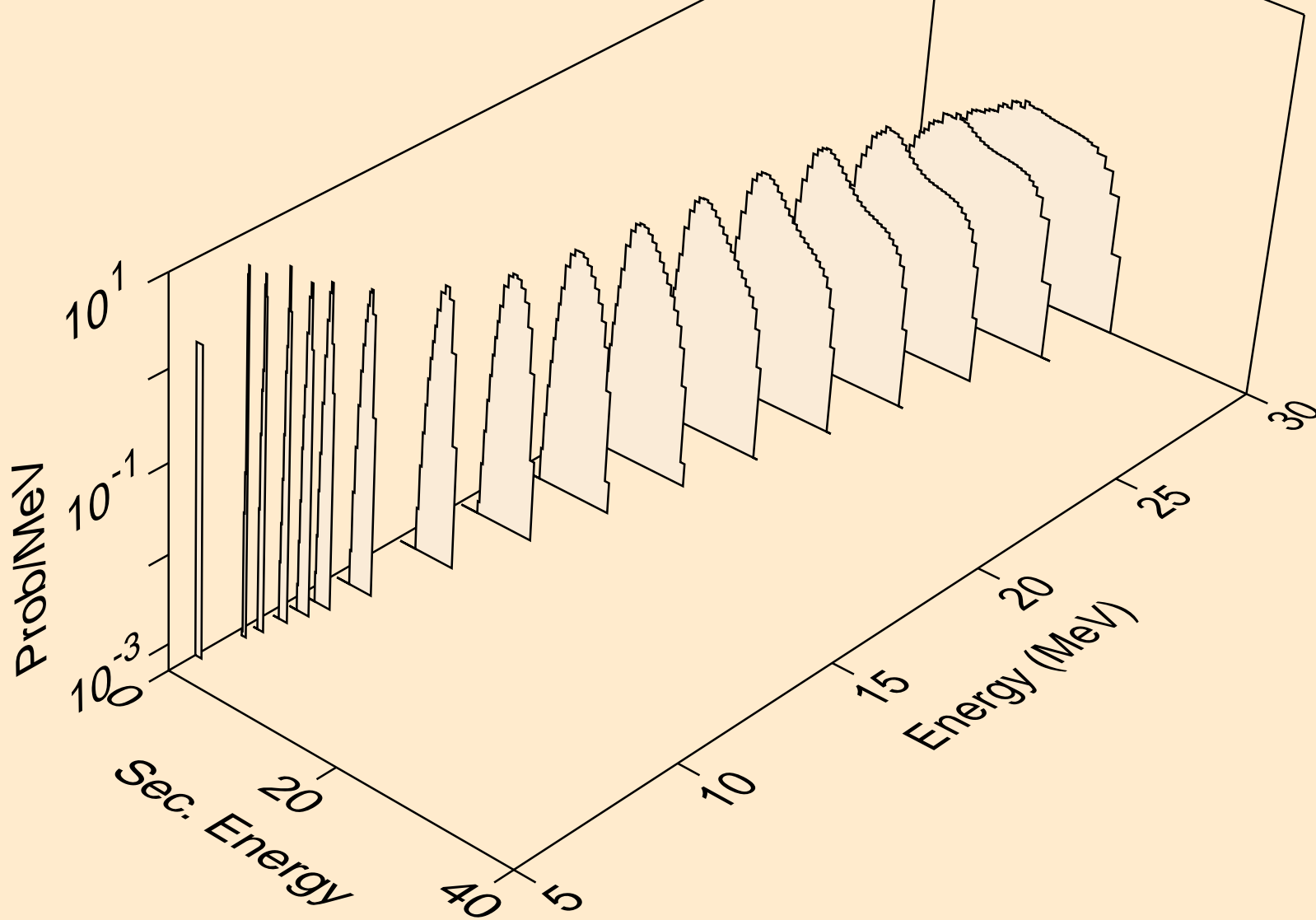
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle production cross sections



SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)

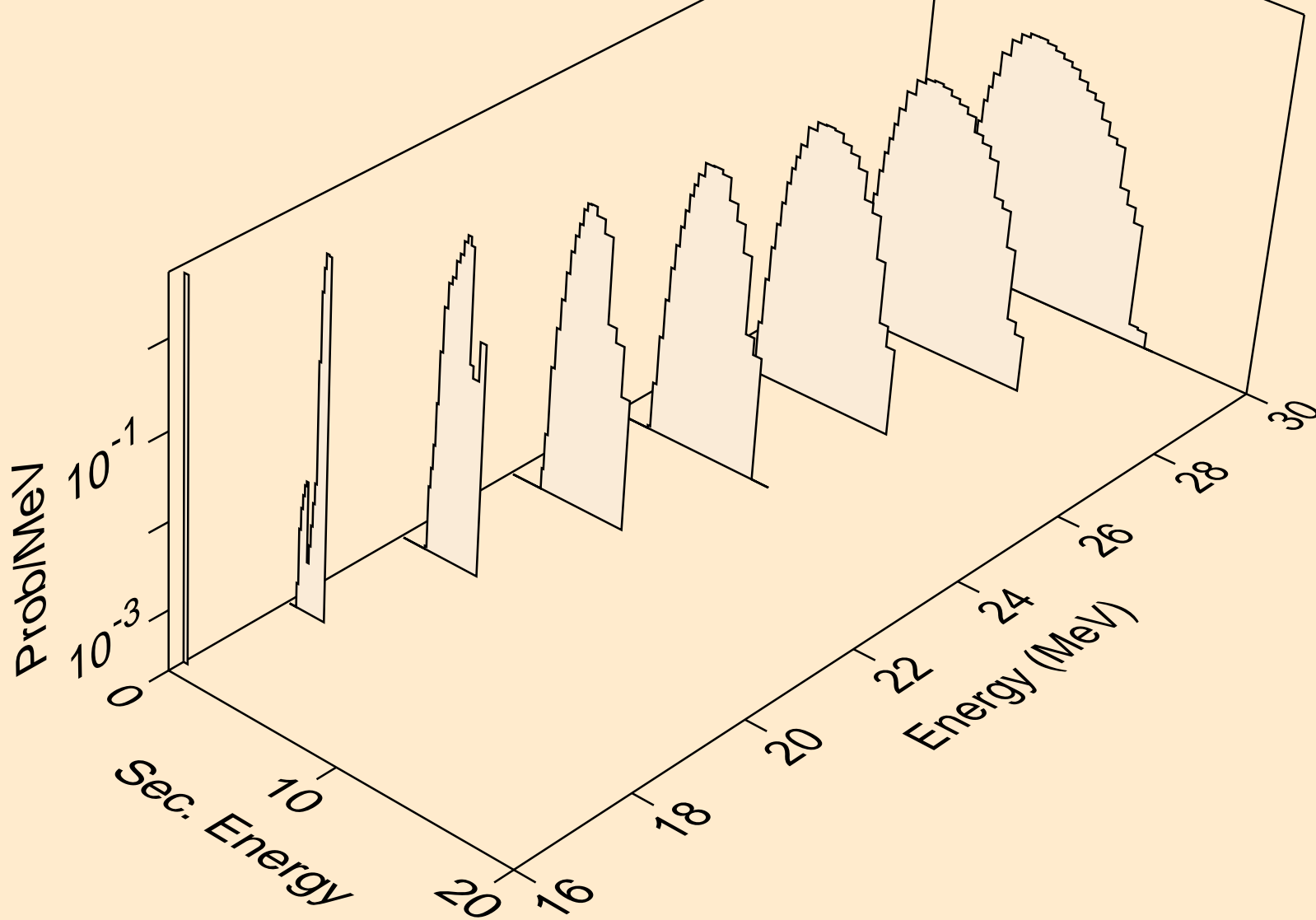


SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p

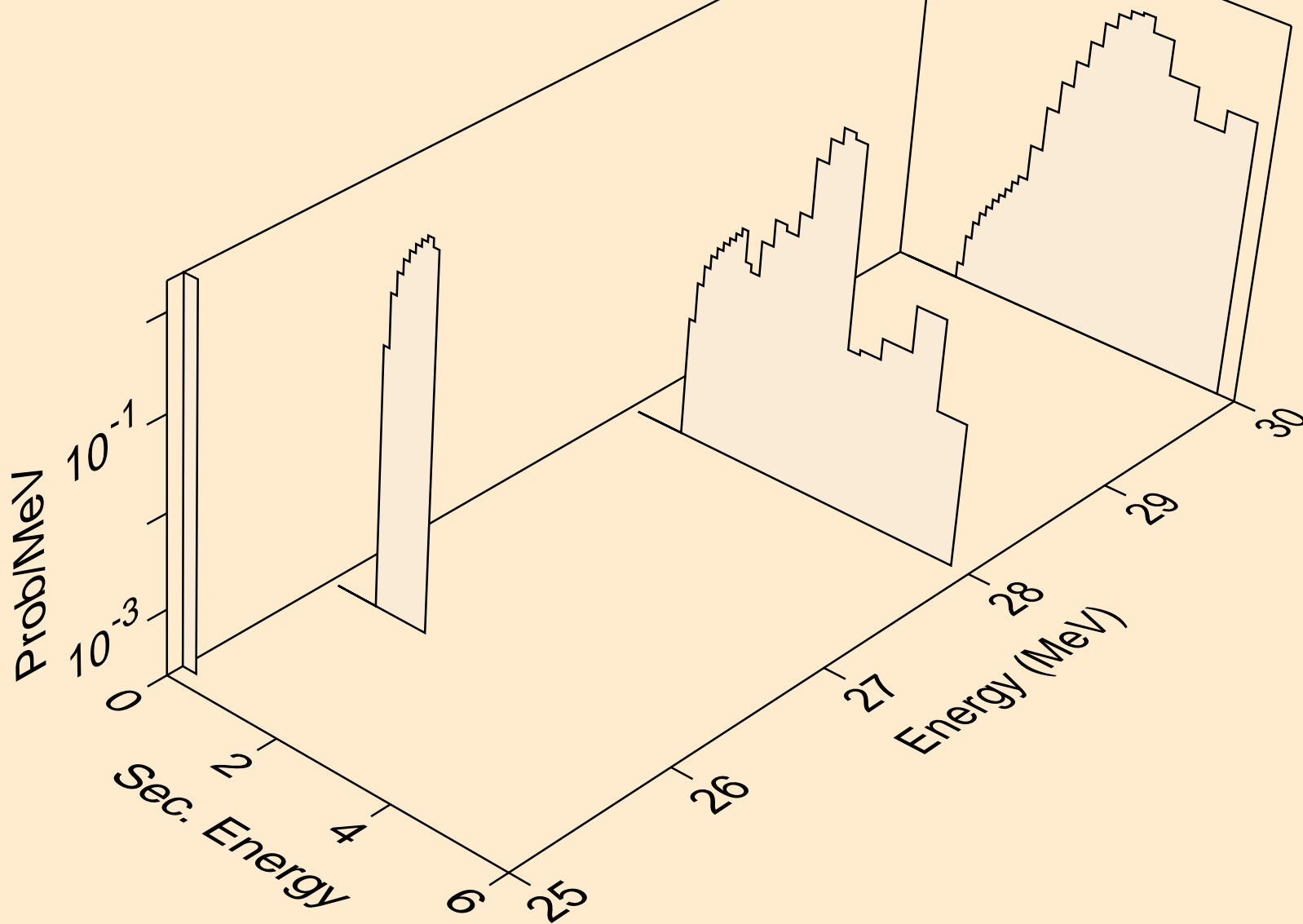




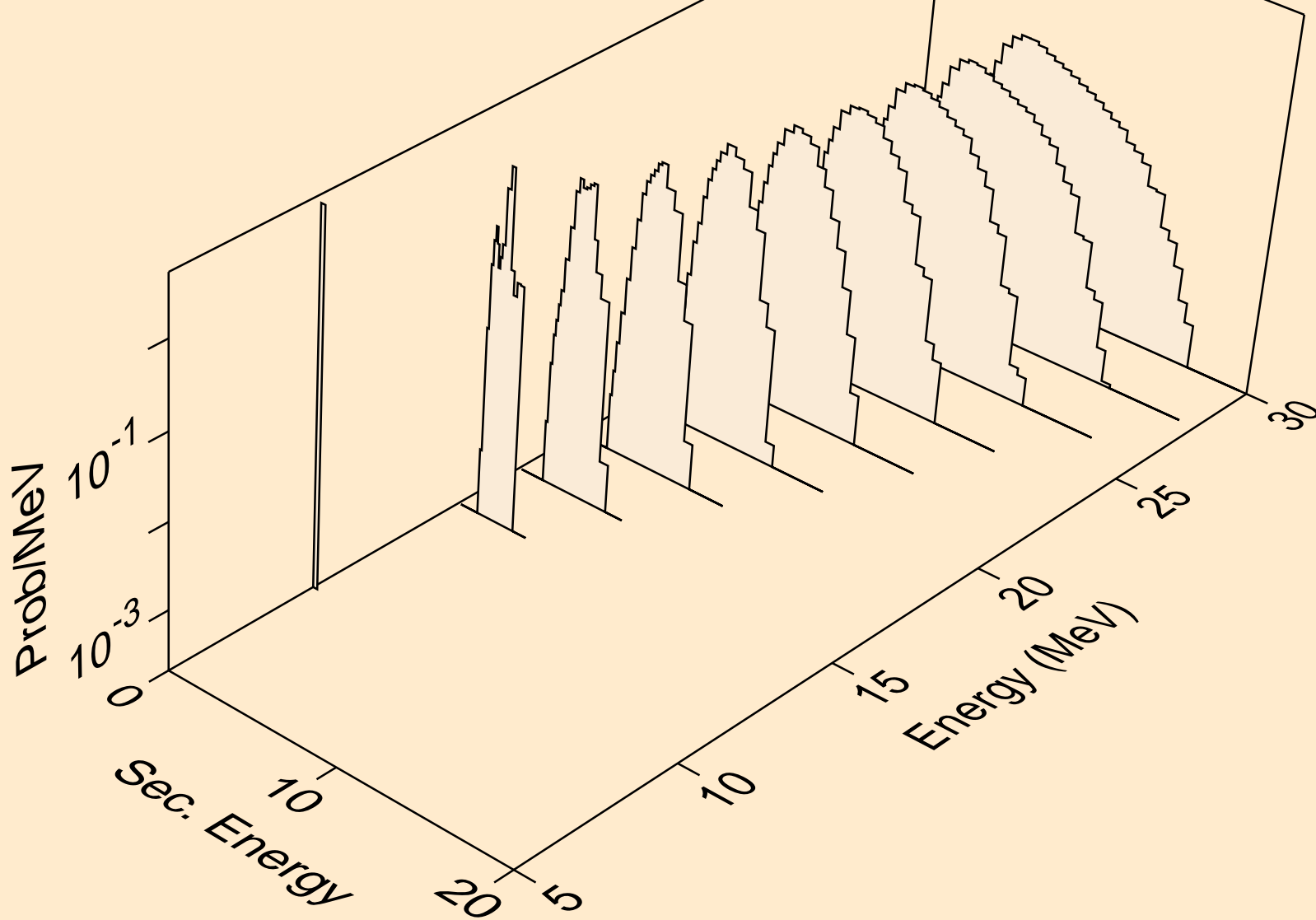
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



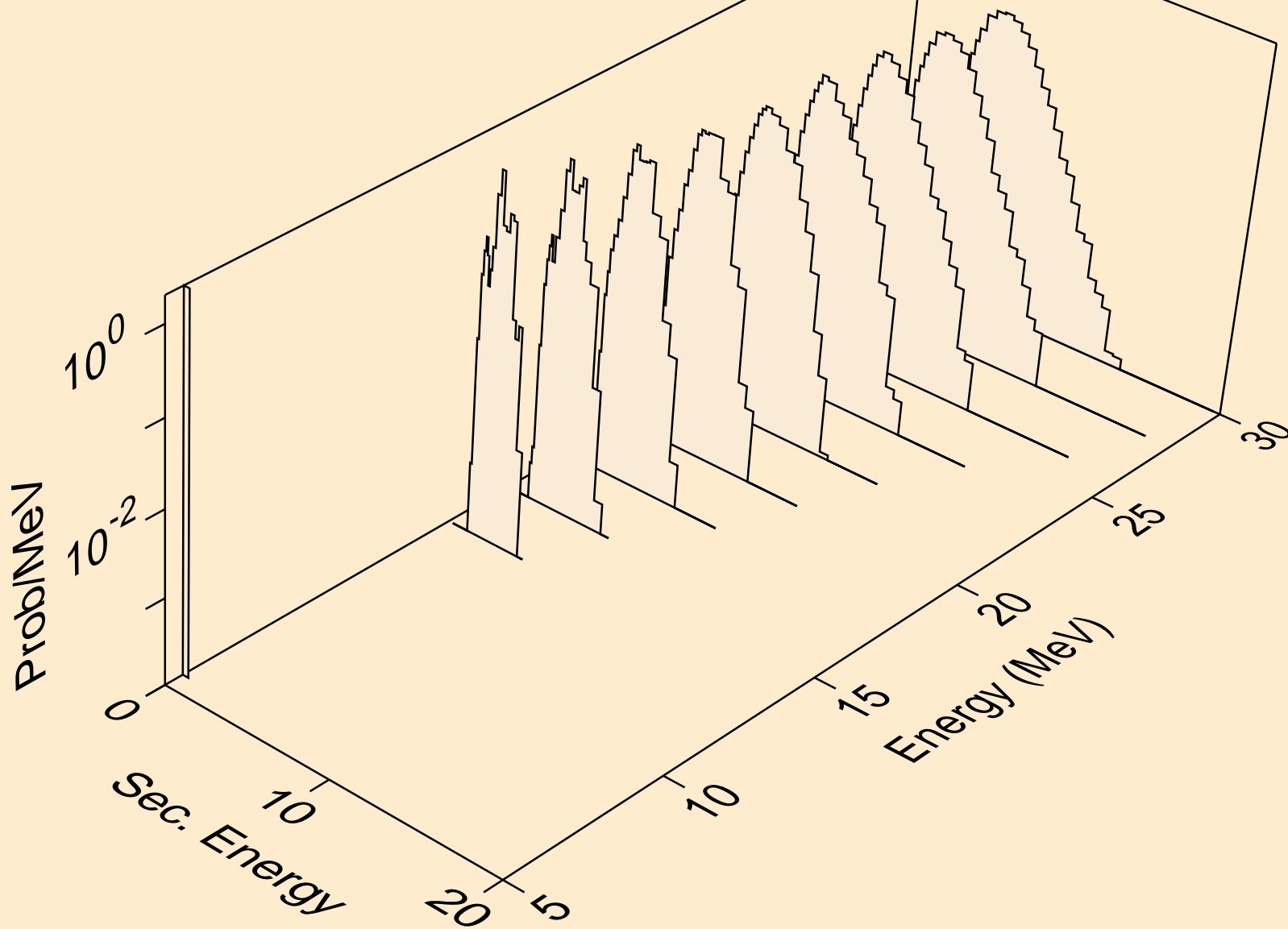
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)



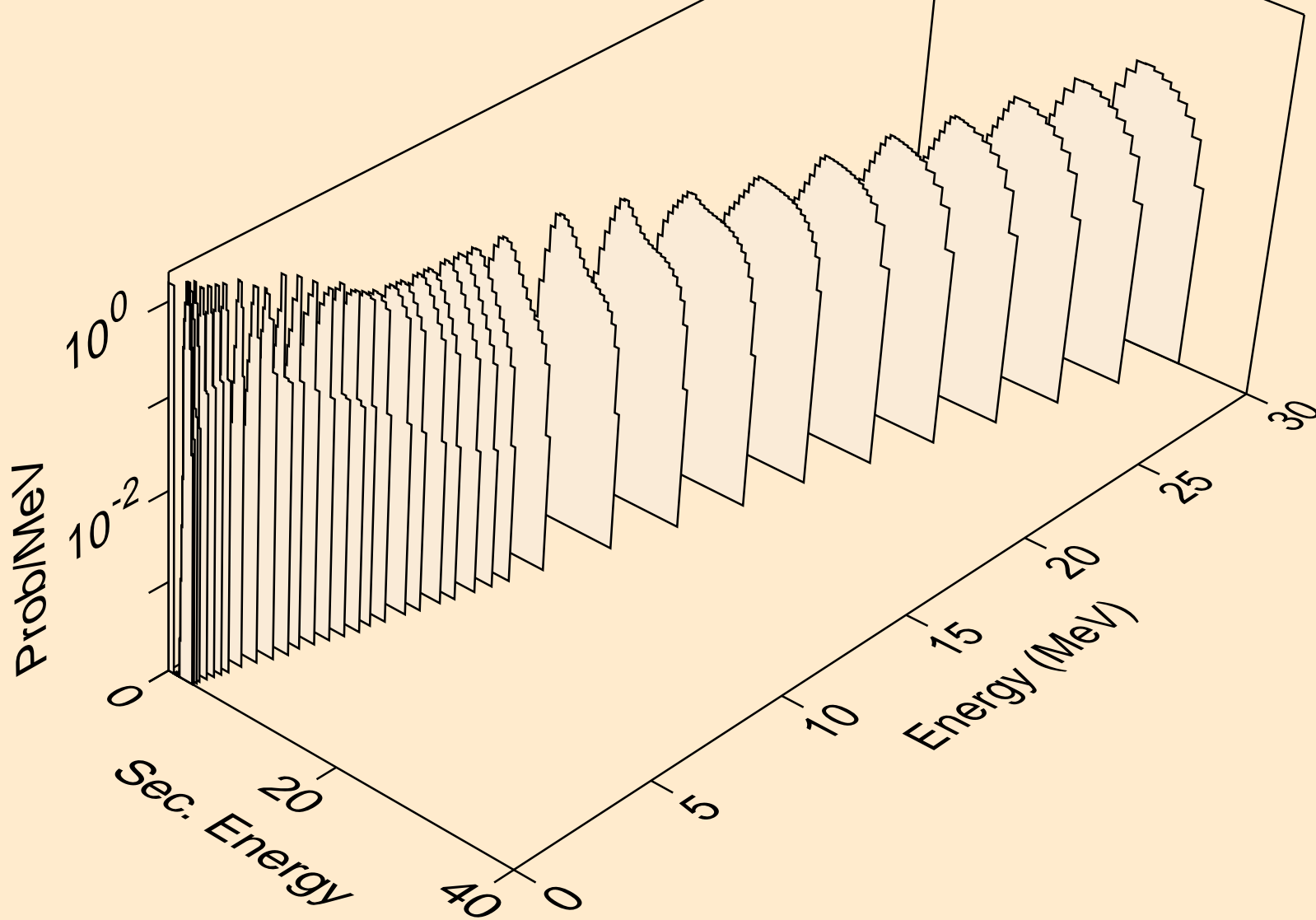
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



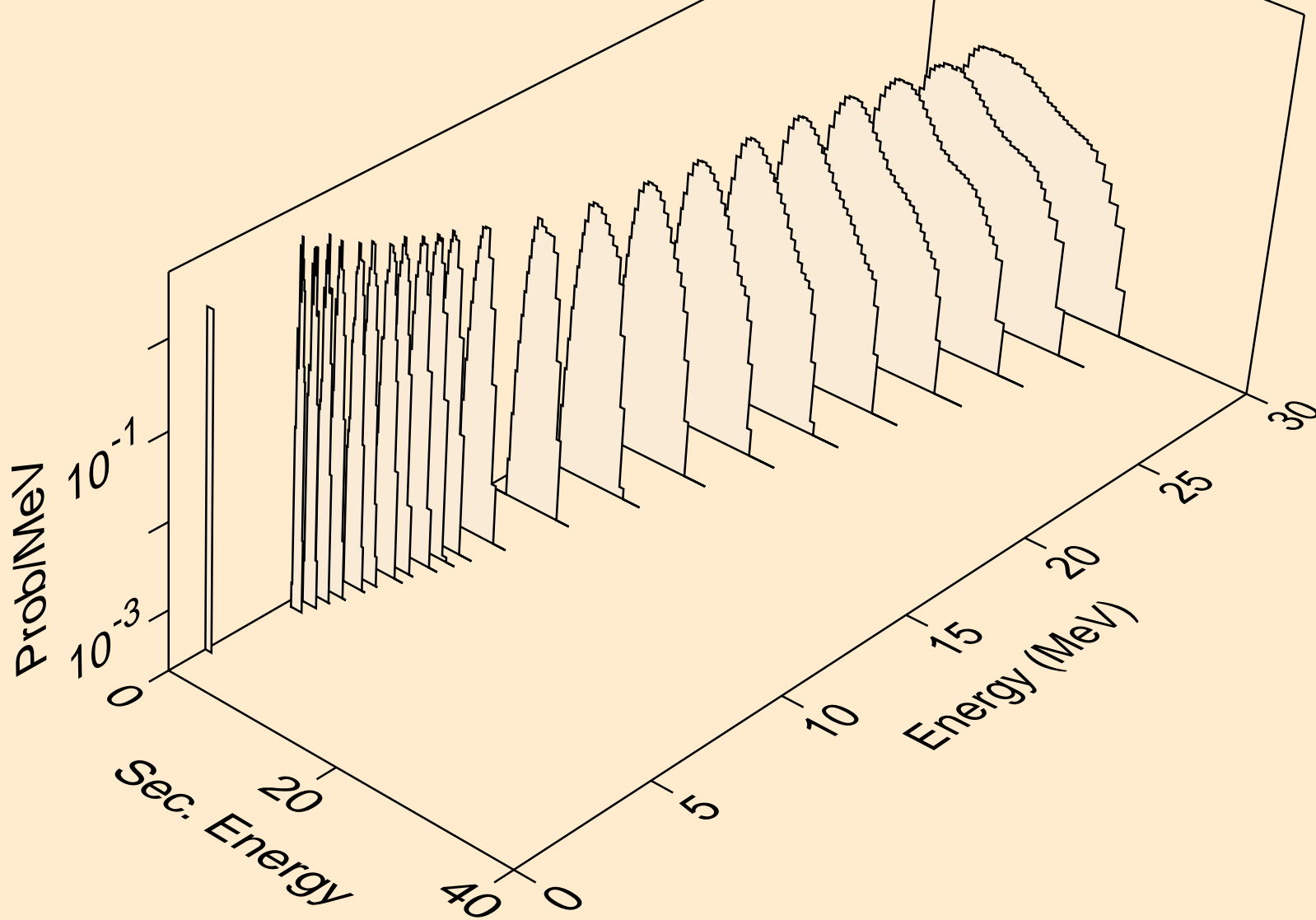
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,npa)



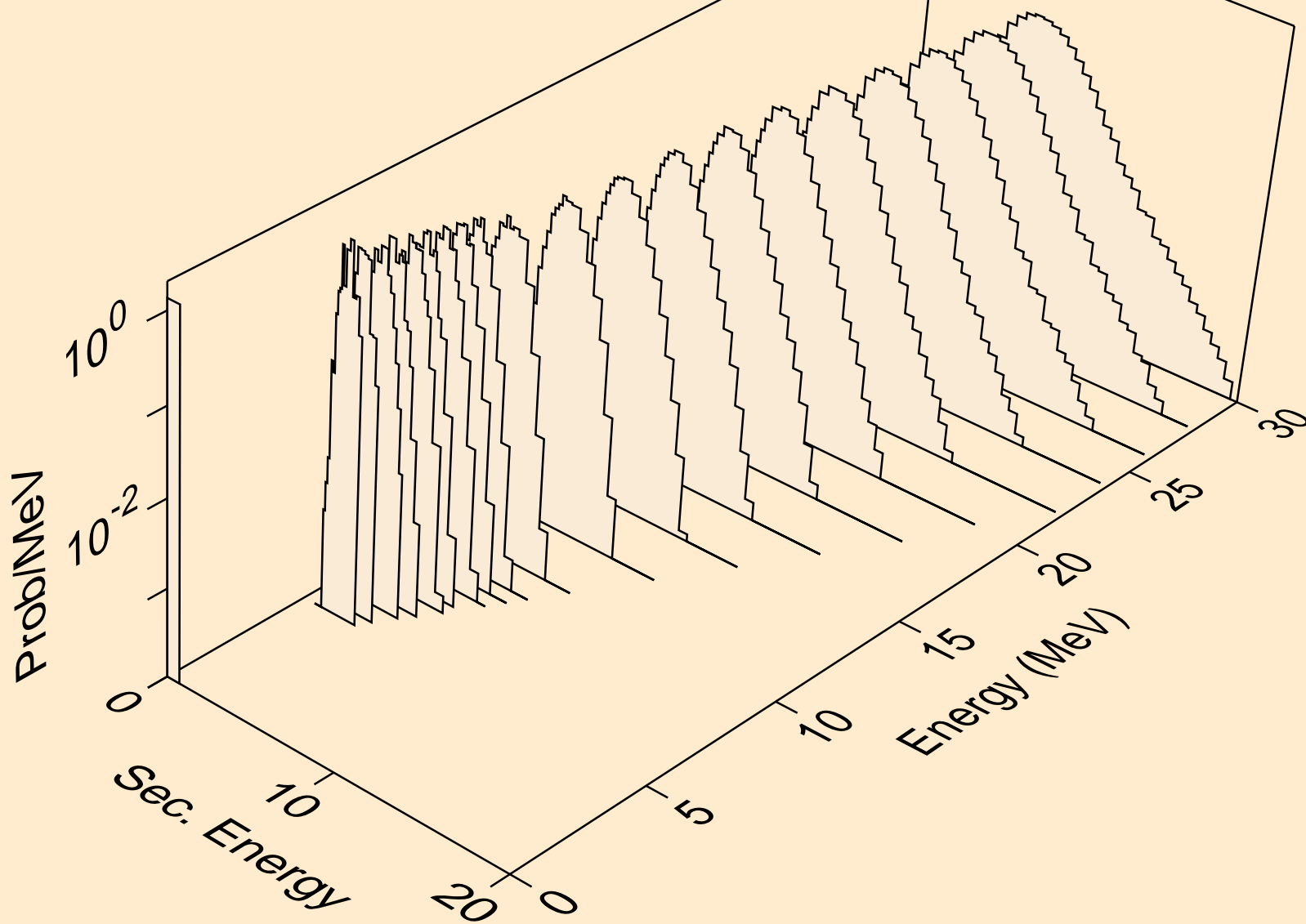
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



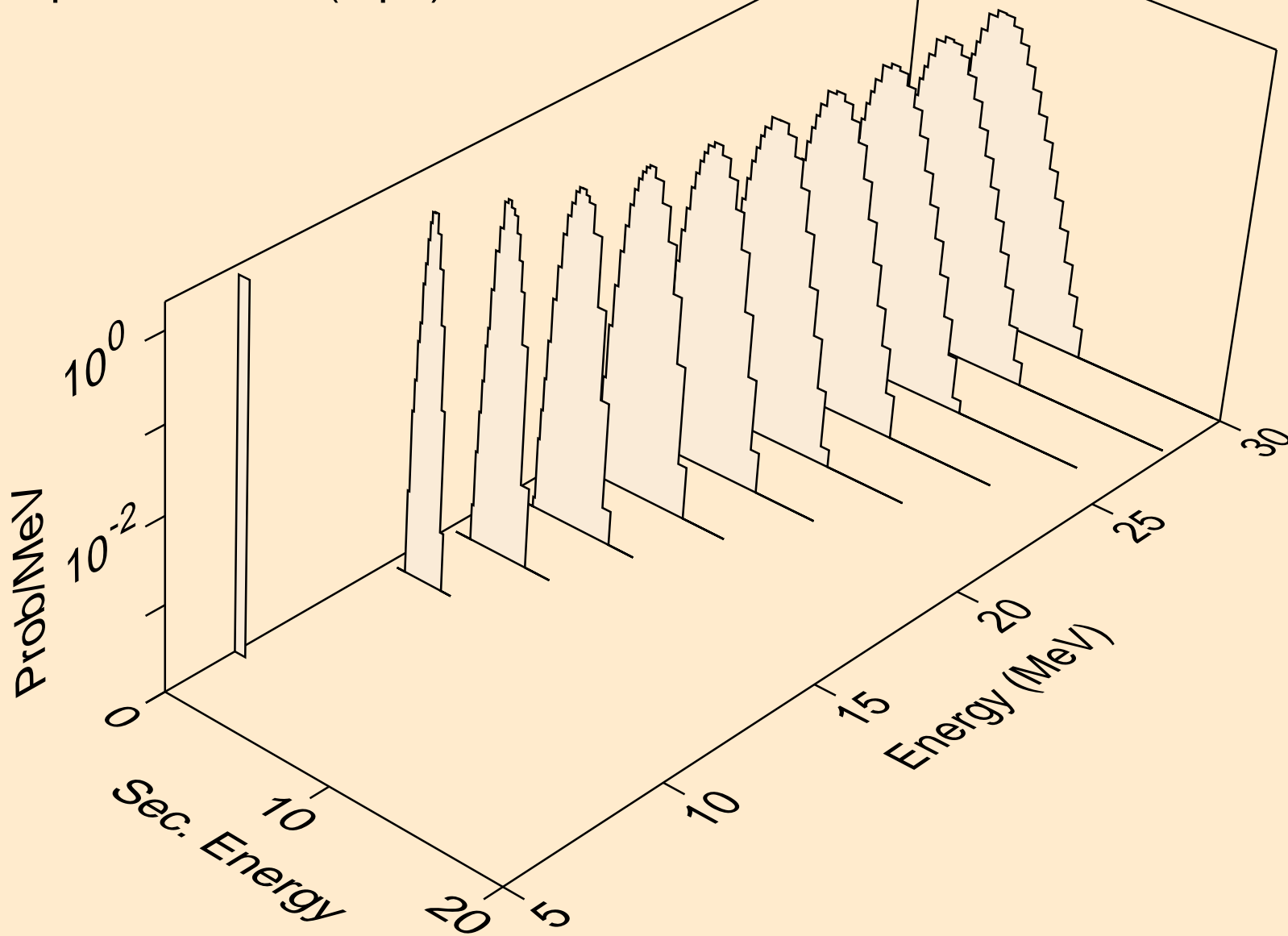
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)



SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)

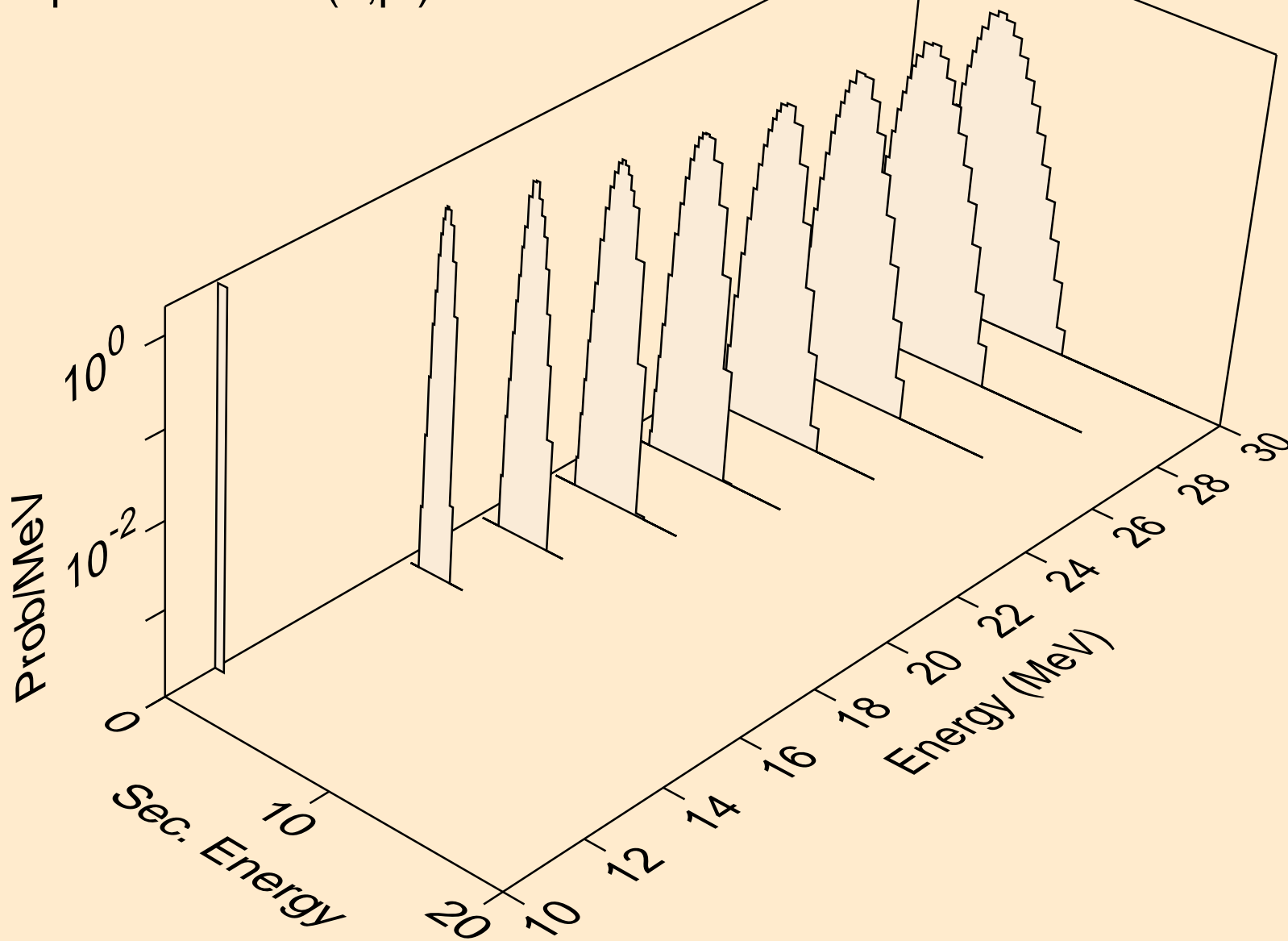


SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pd)

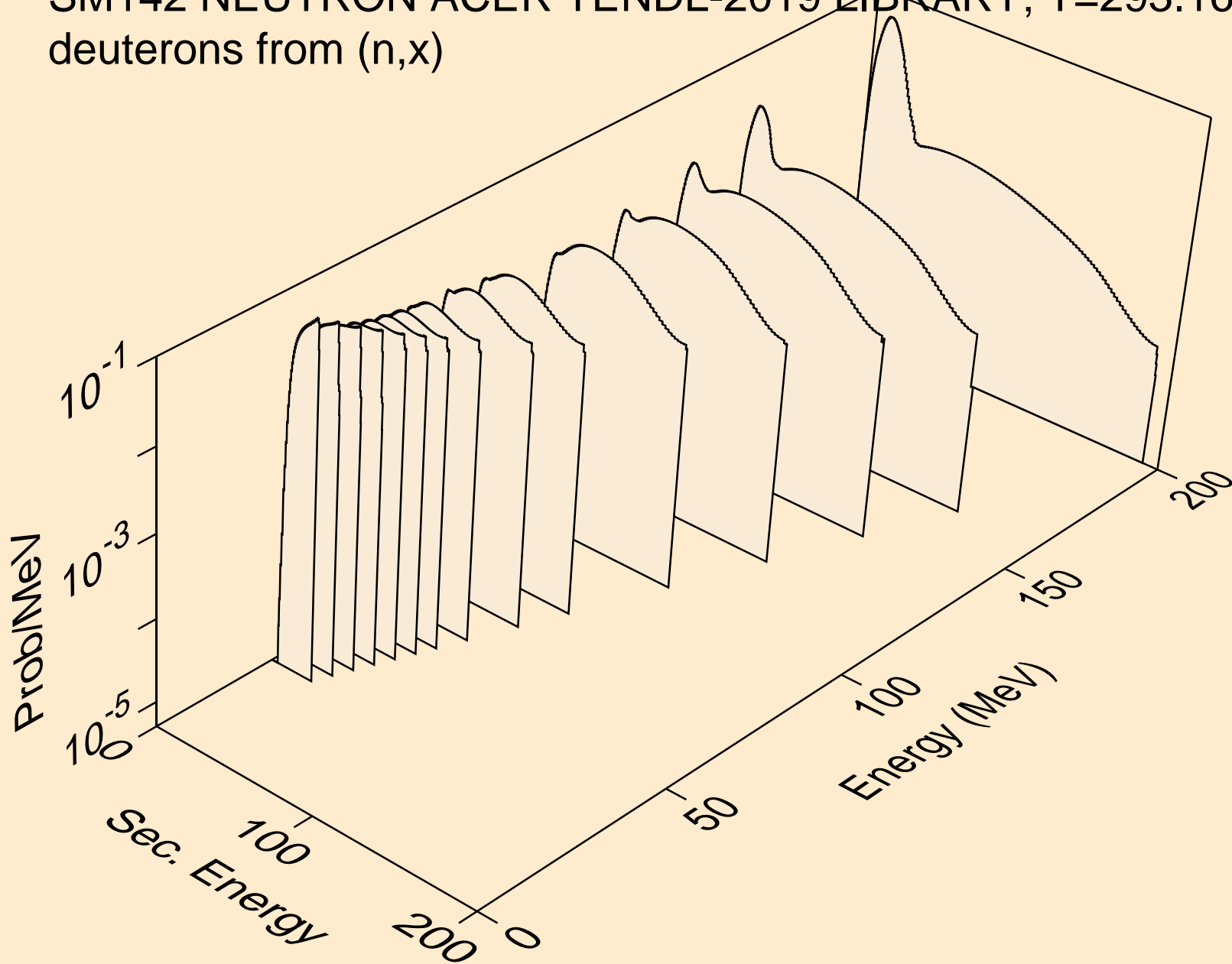




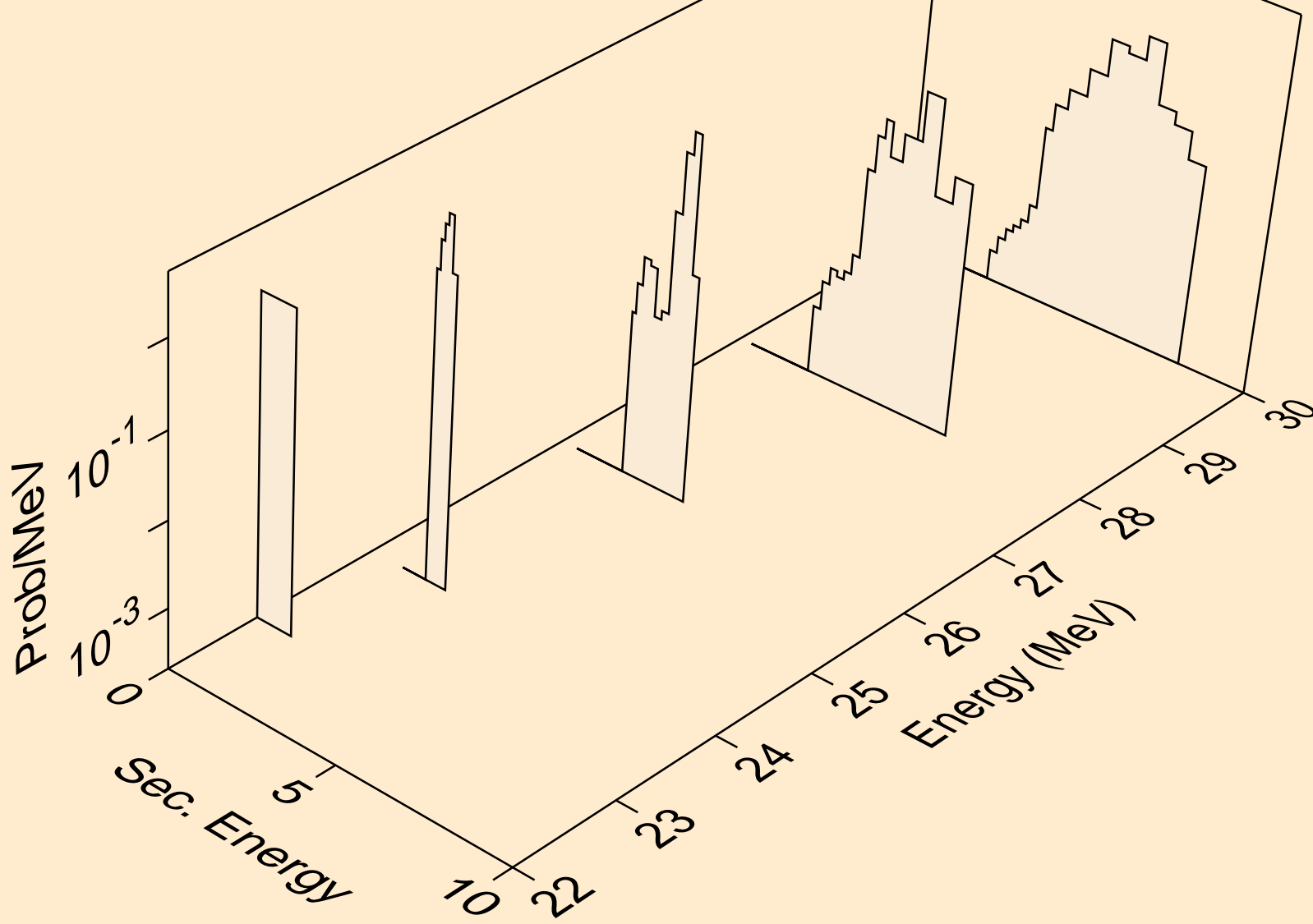
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pt)



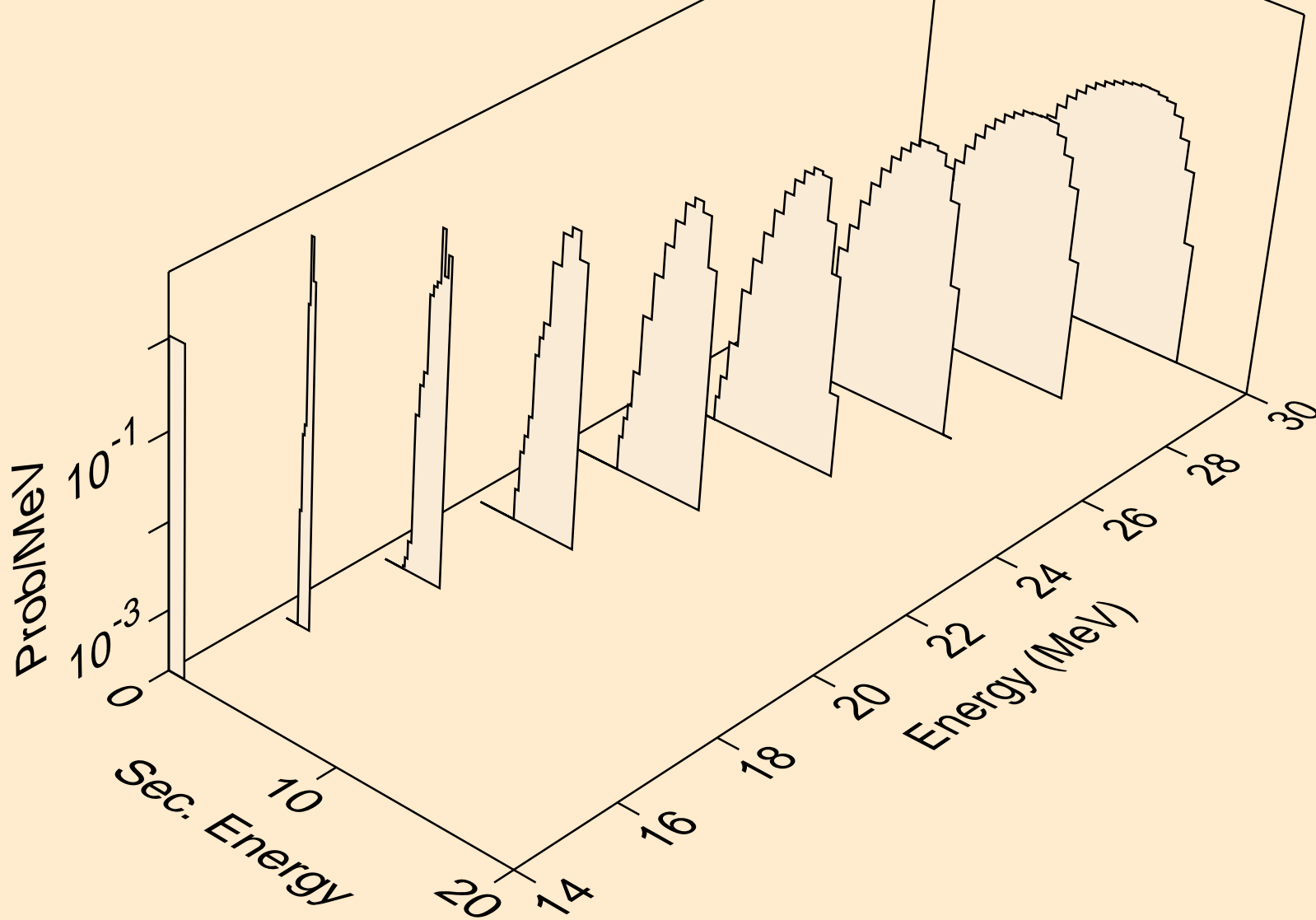
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)



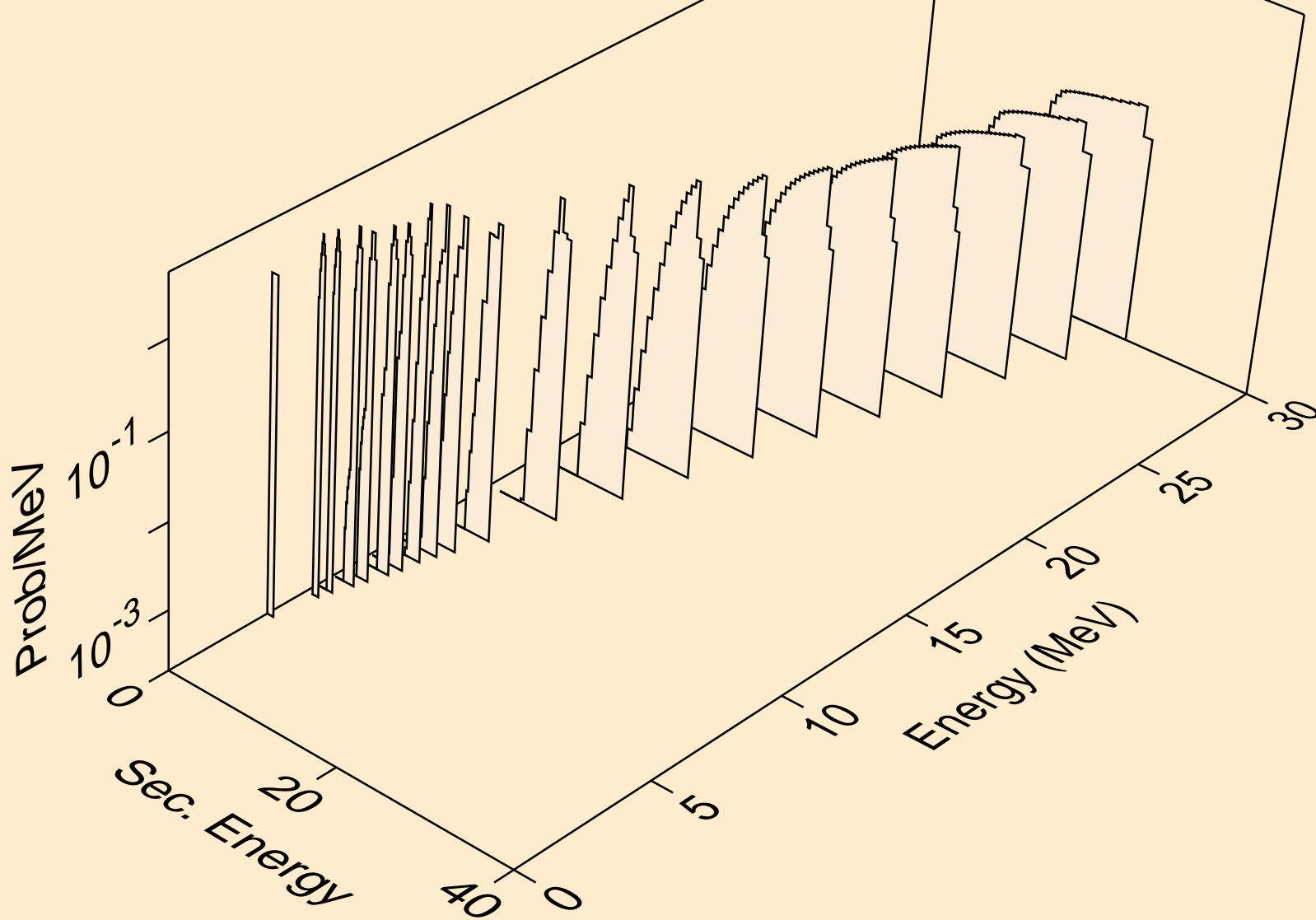
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)



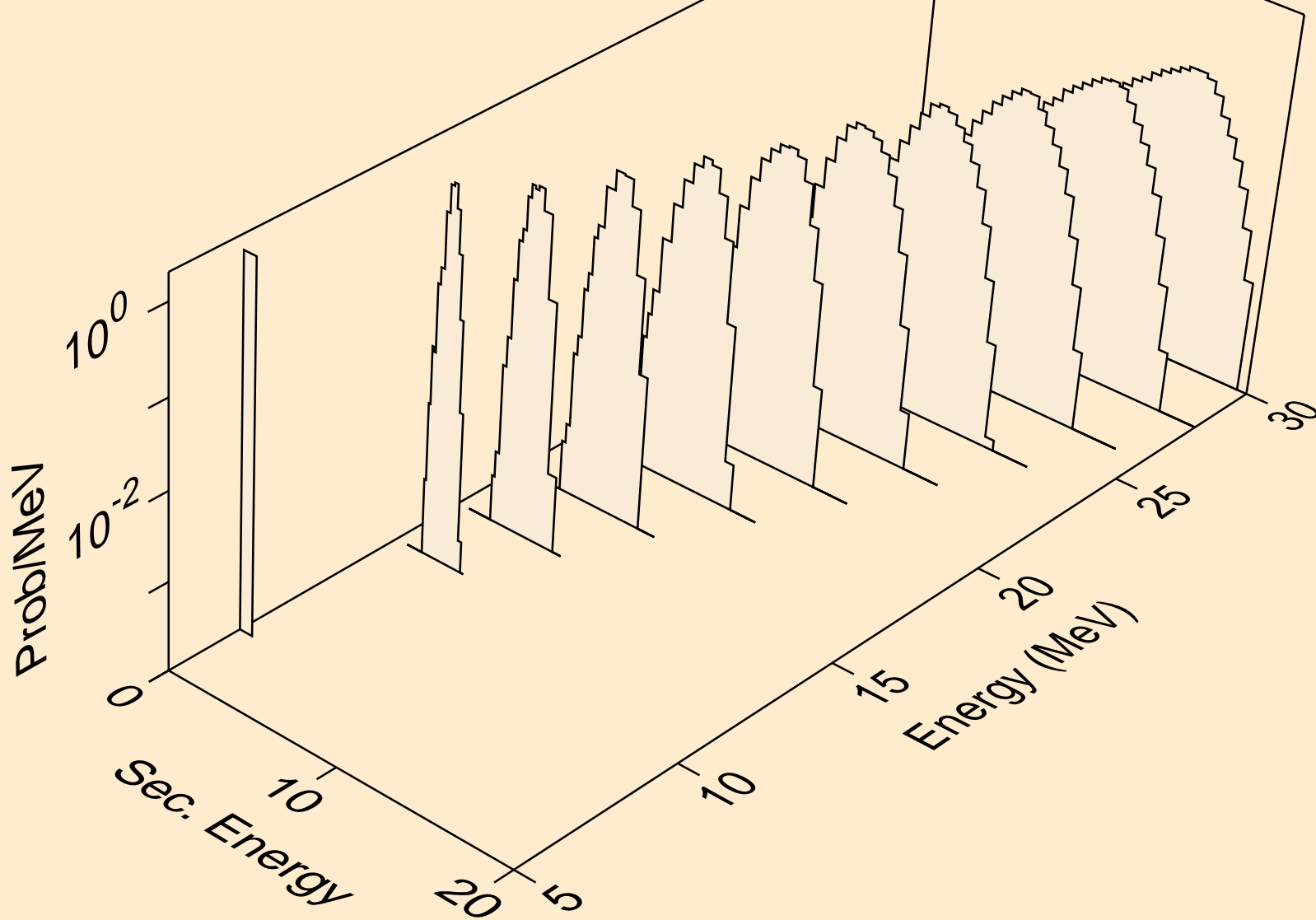
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d



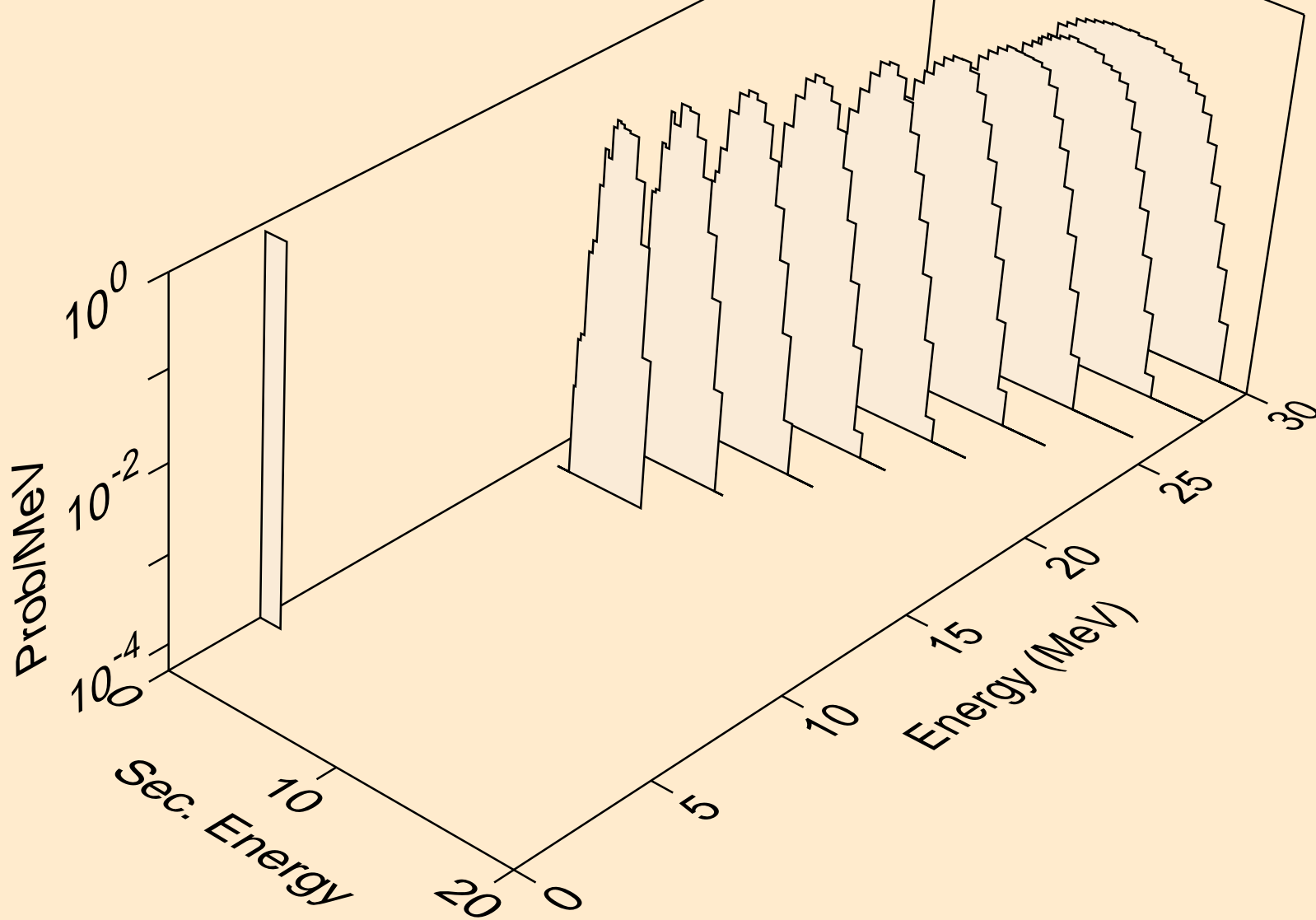
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deuterons from (n,d)



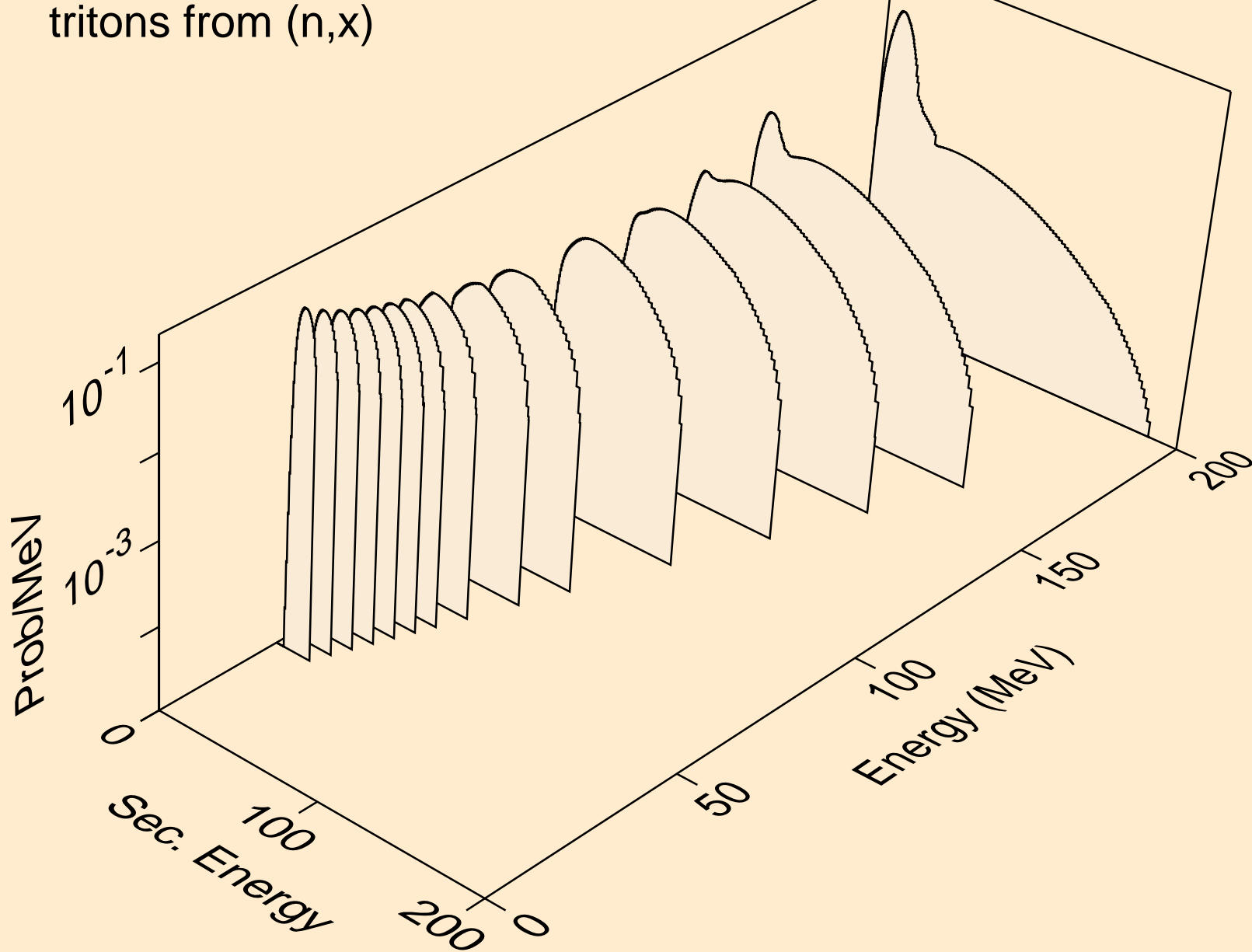
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,pd)



SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,da)

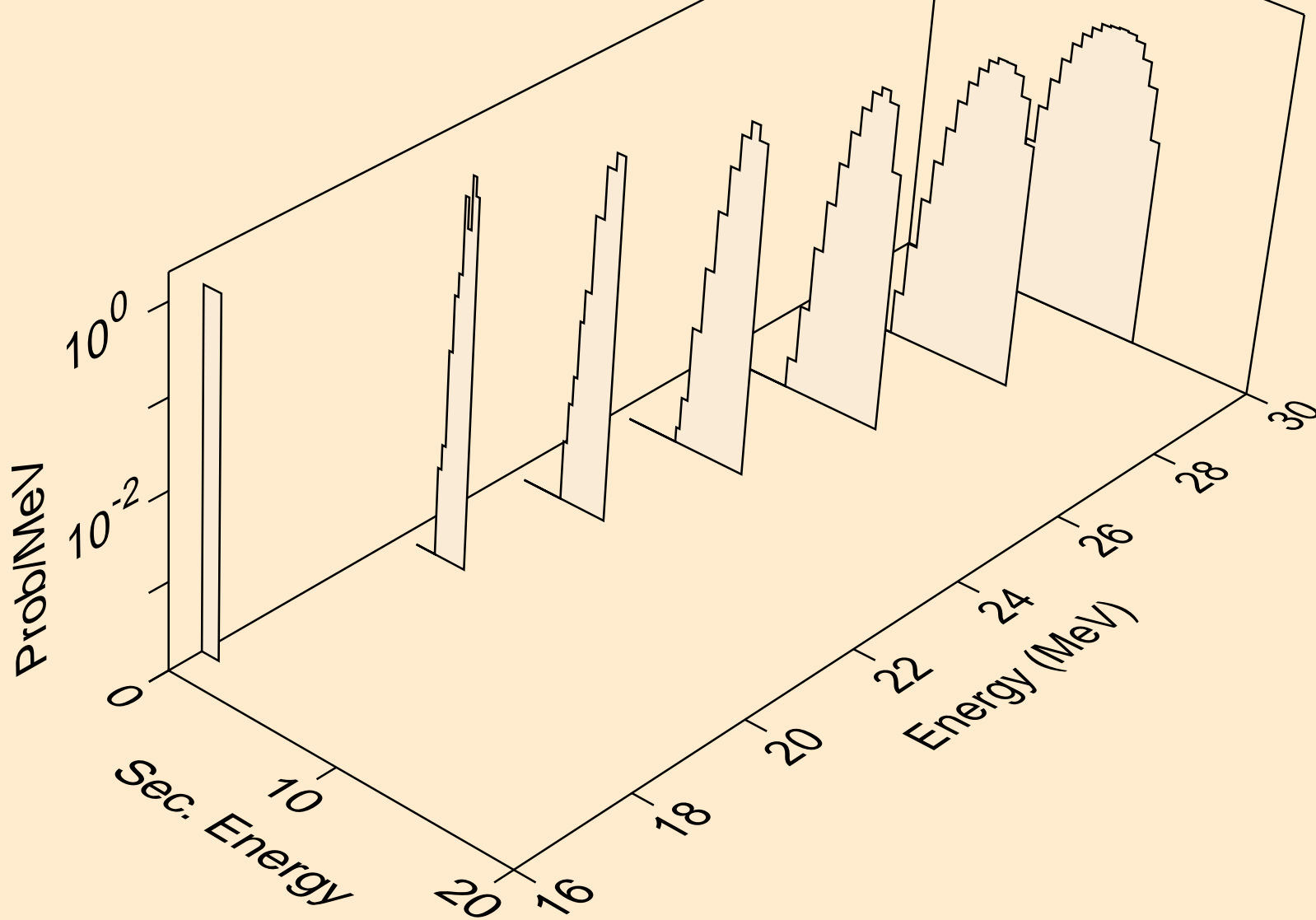


SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)

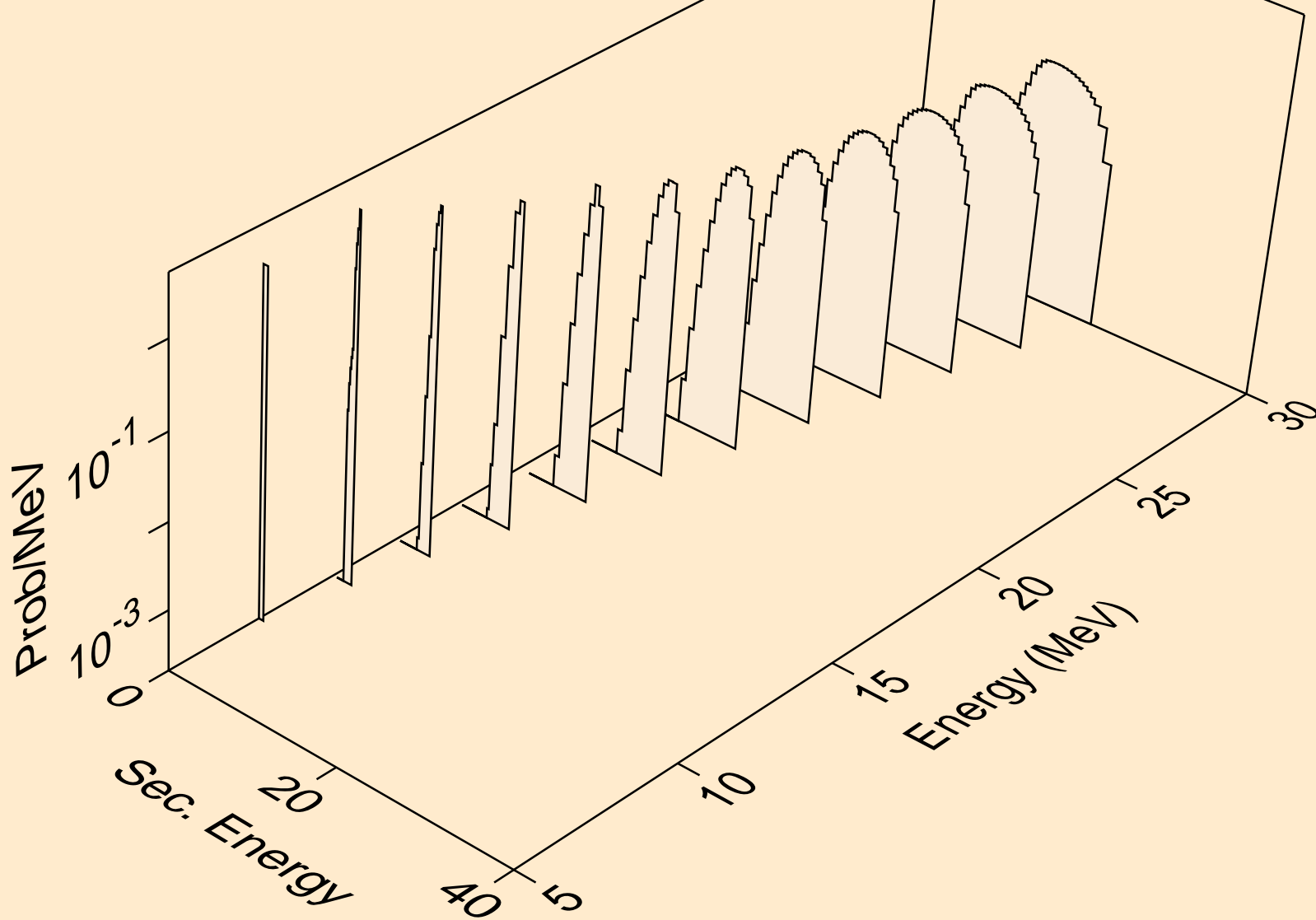




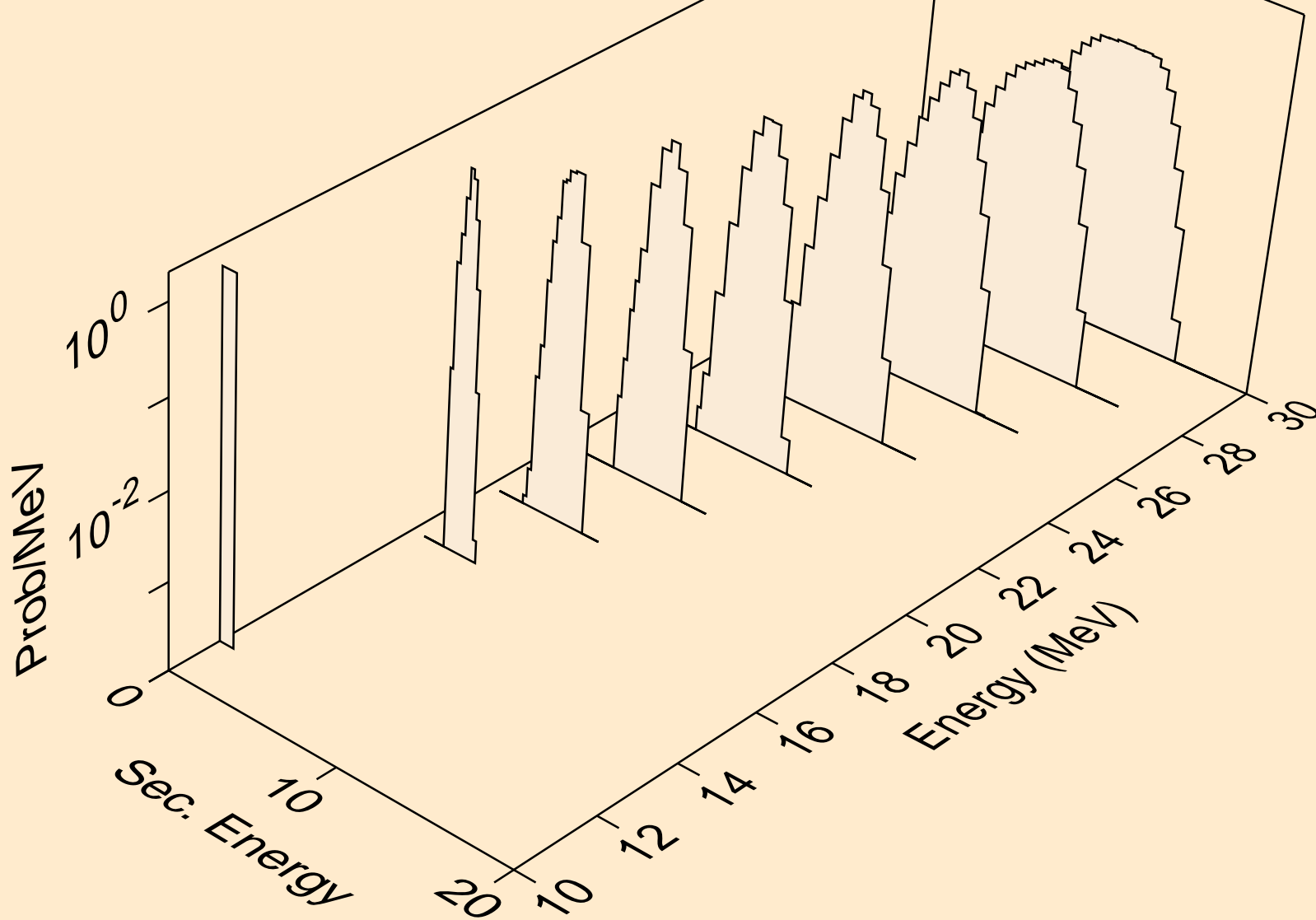
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



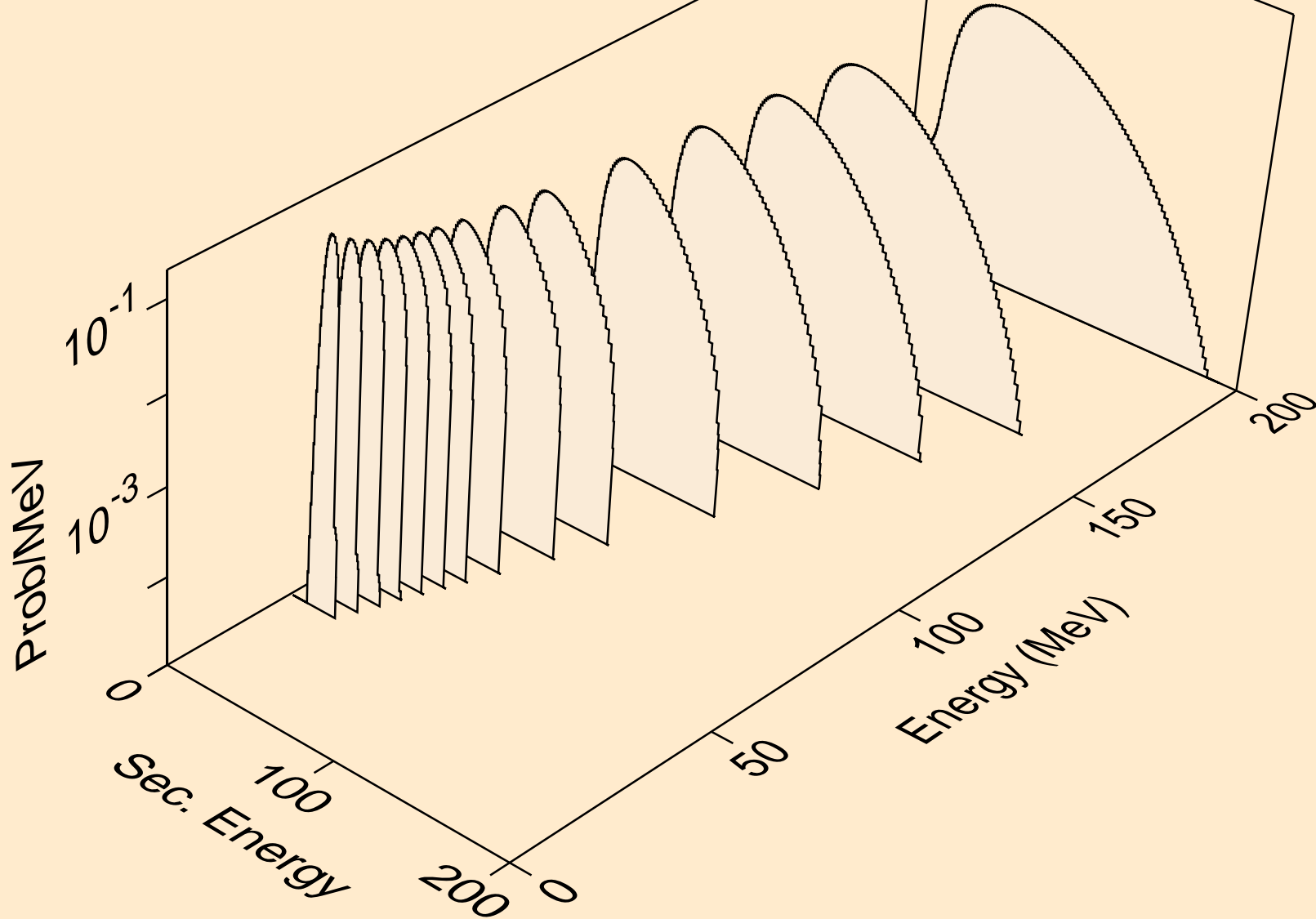
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)



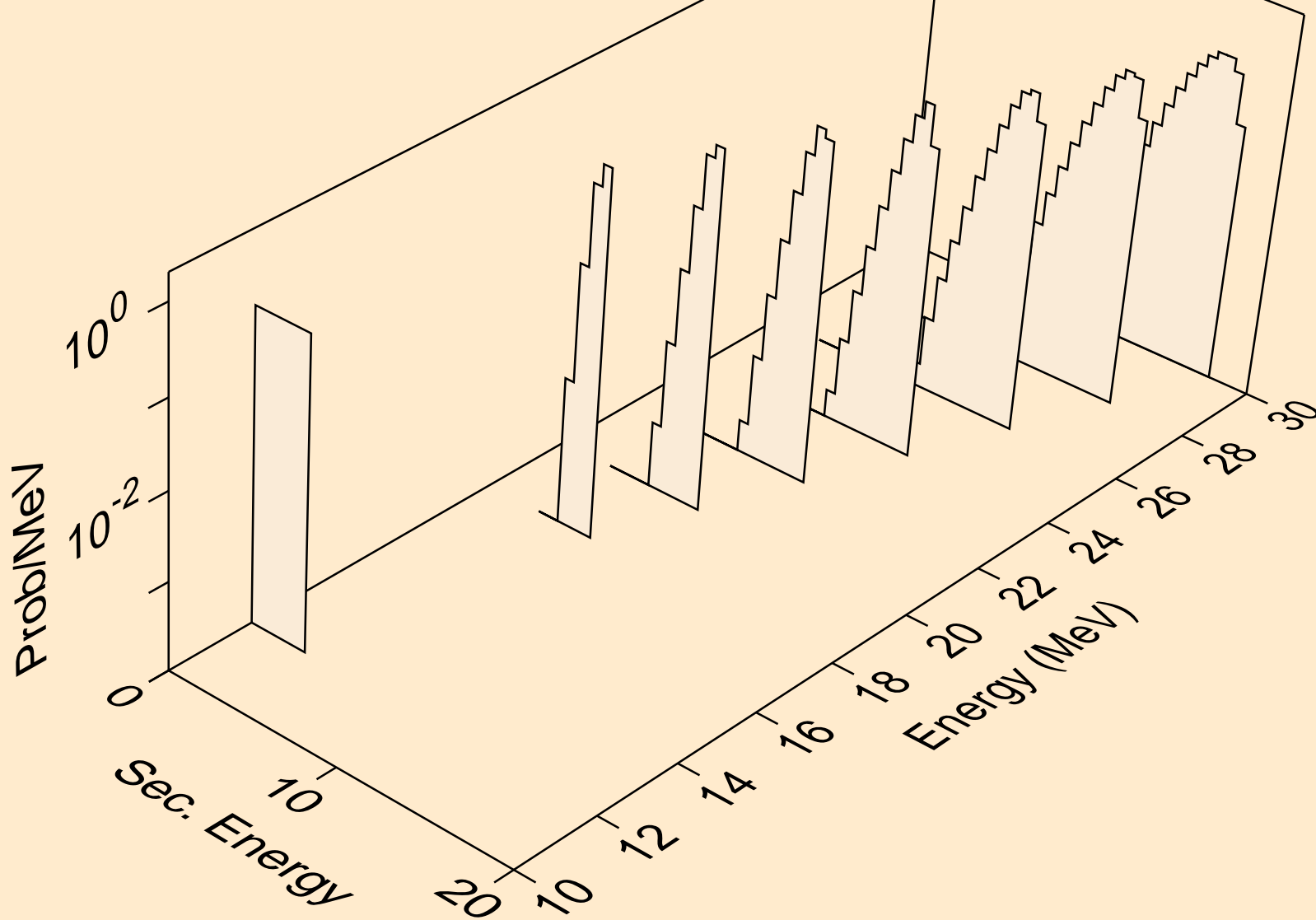
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,pt)



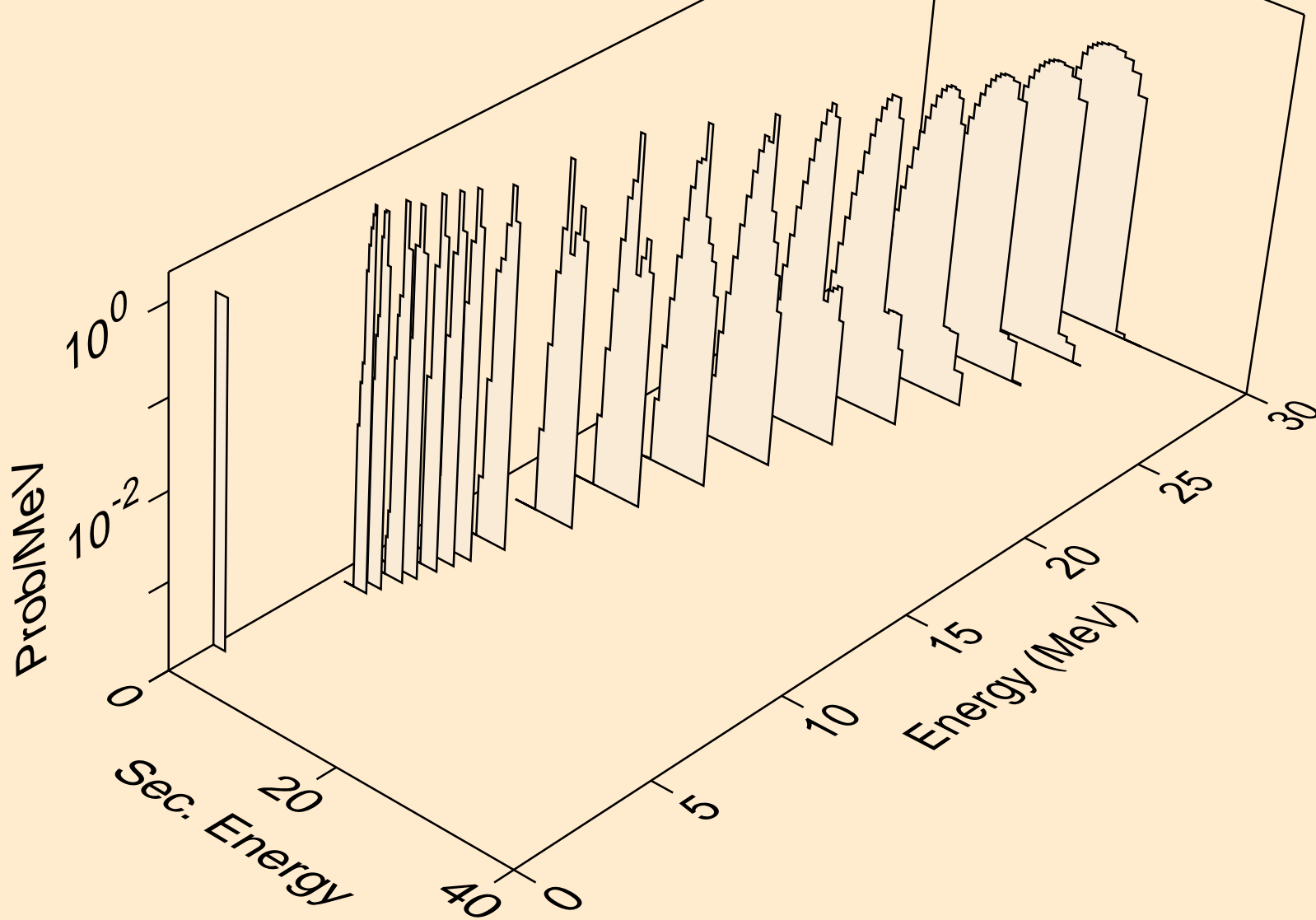
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)



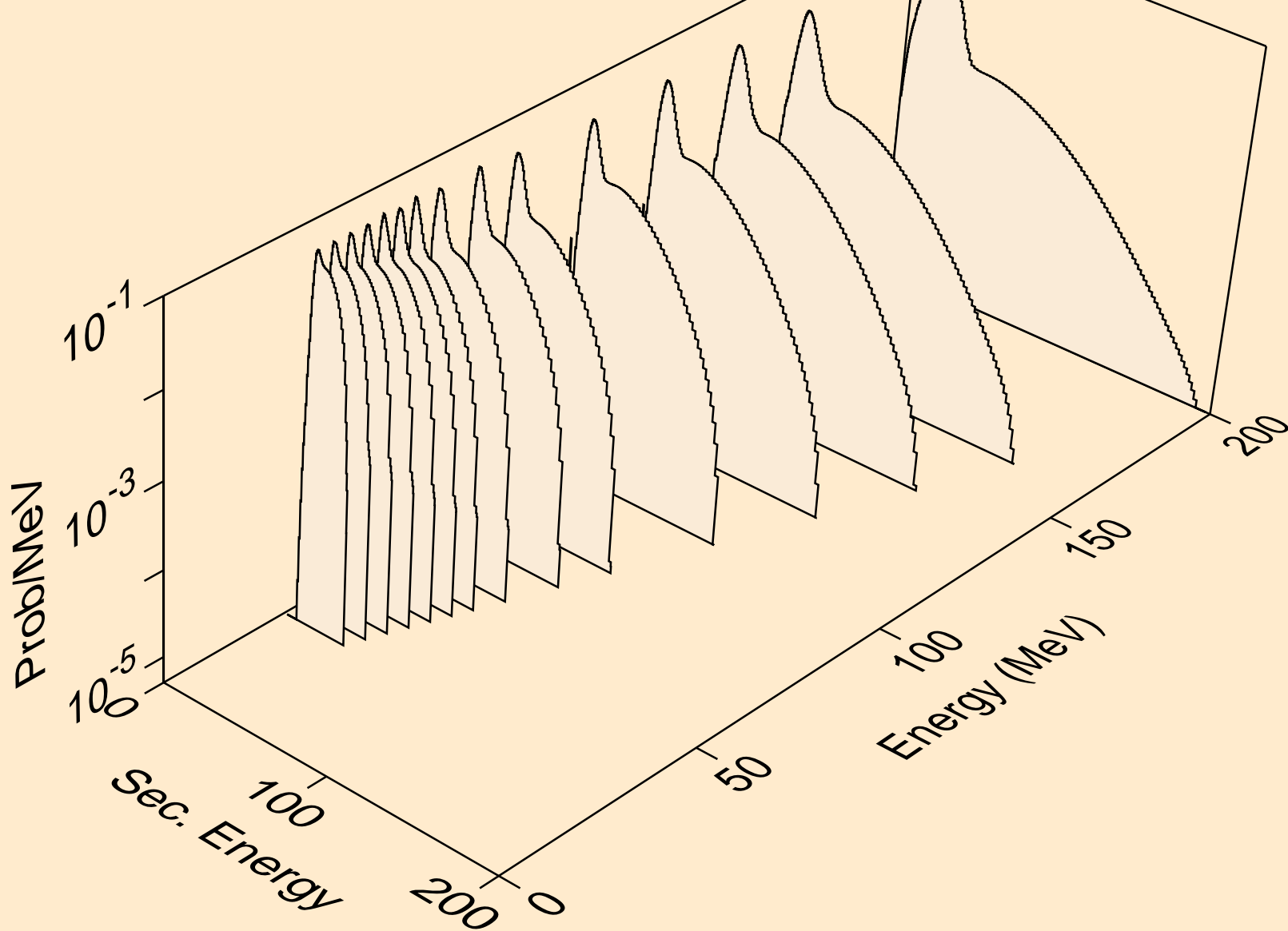
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3



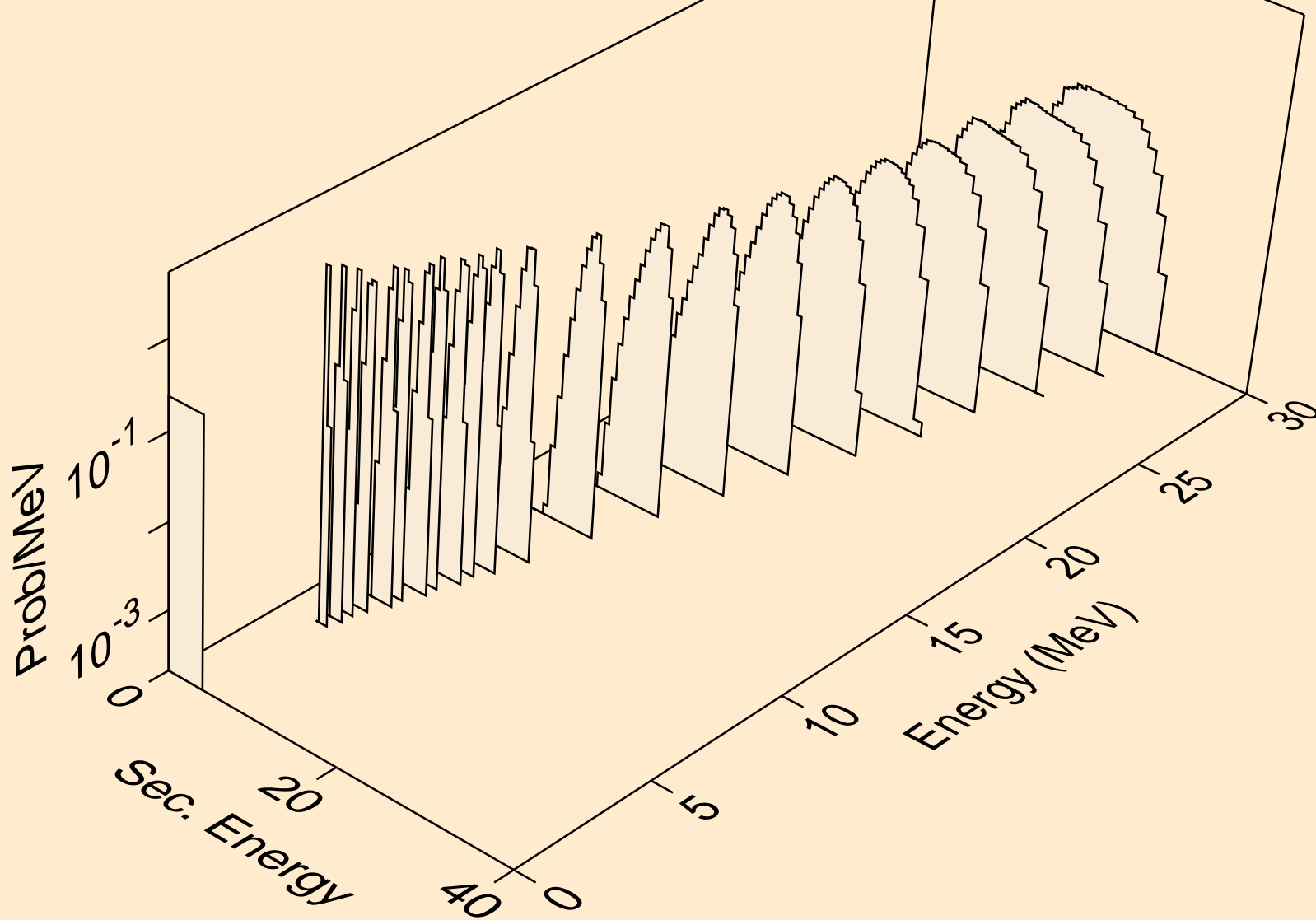
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)



SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)

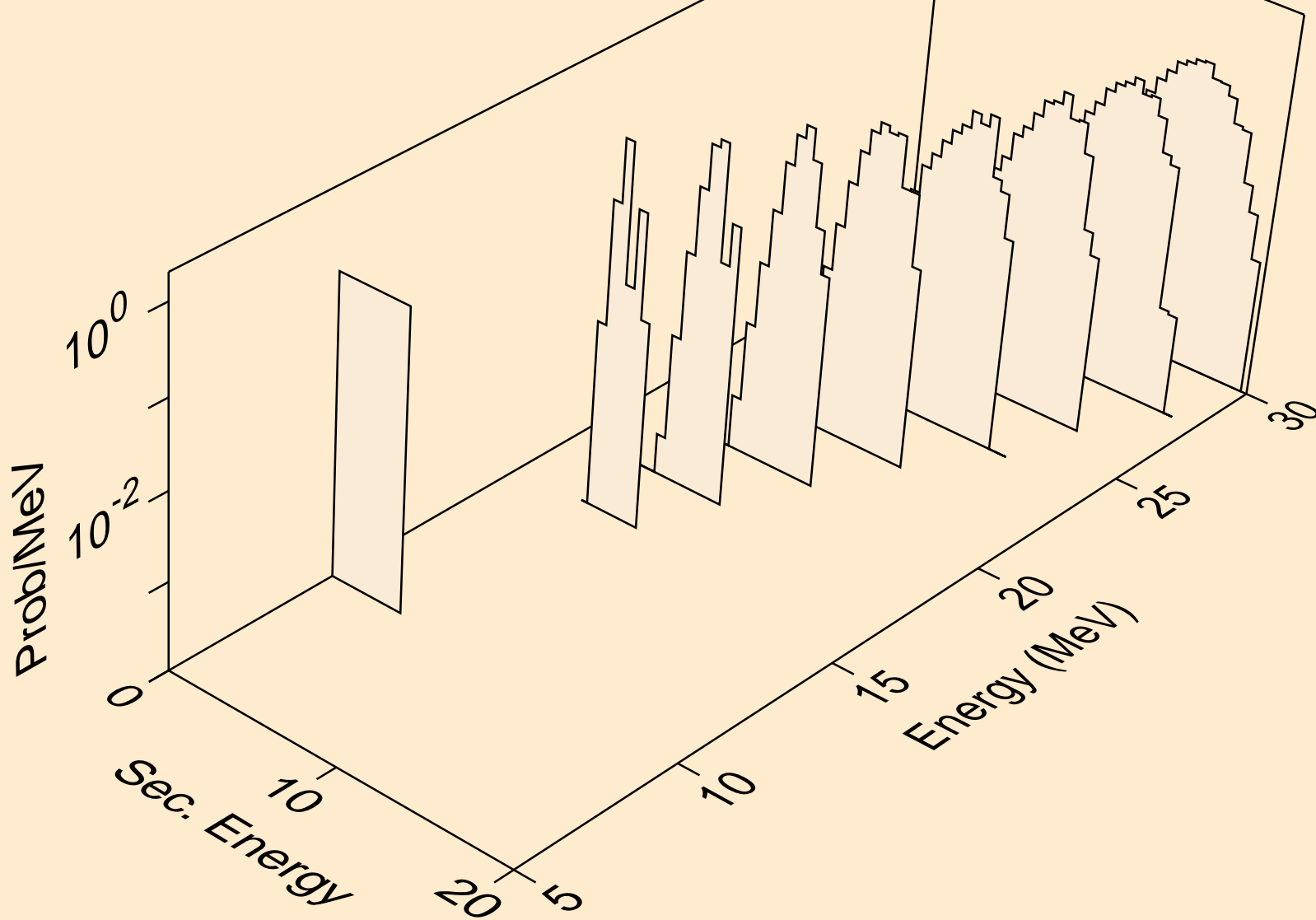


SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a

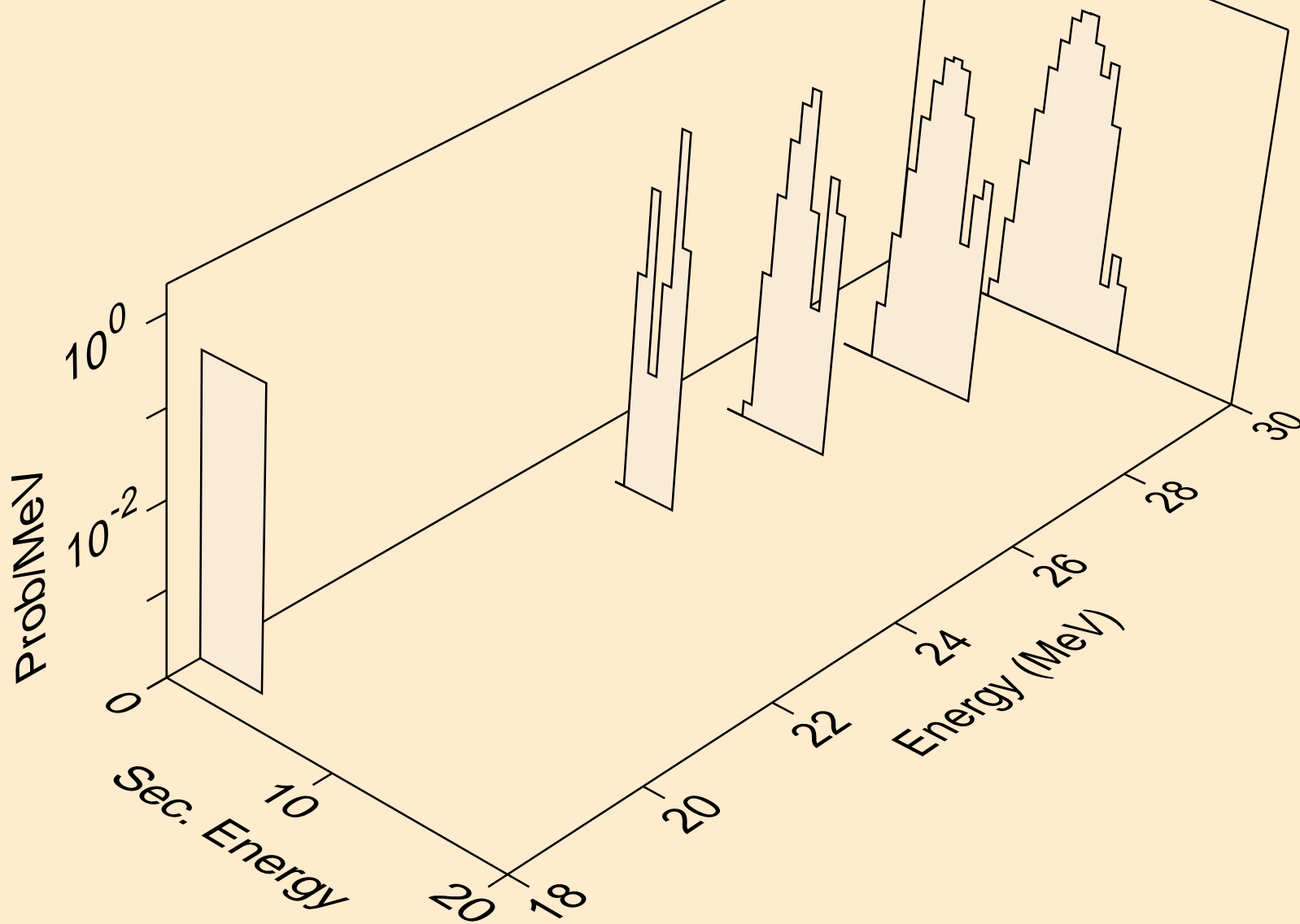




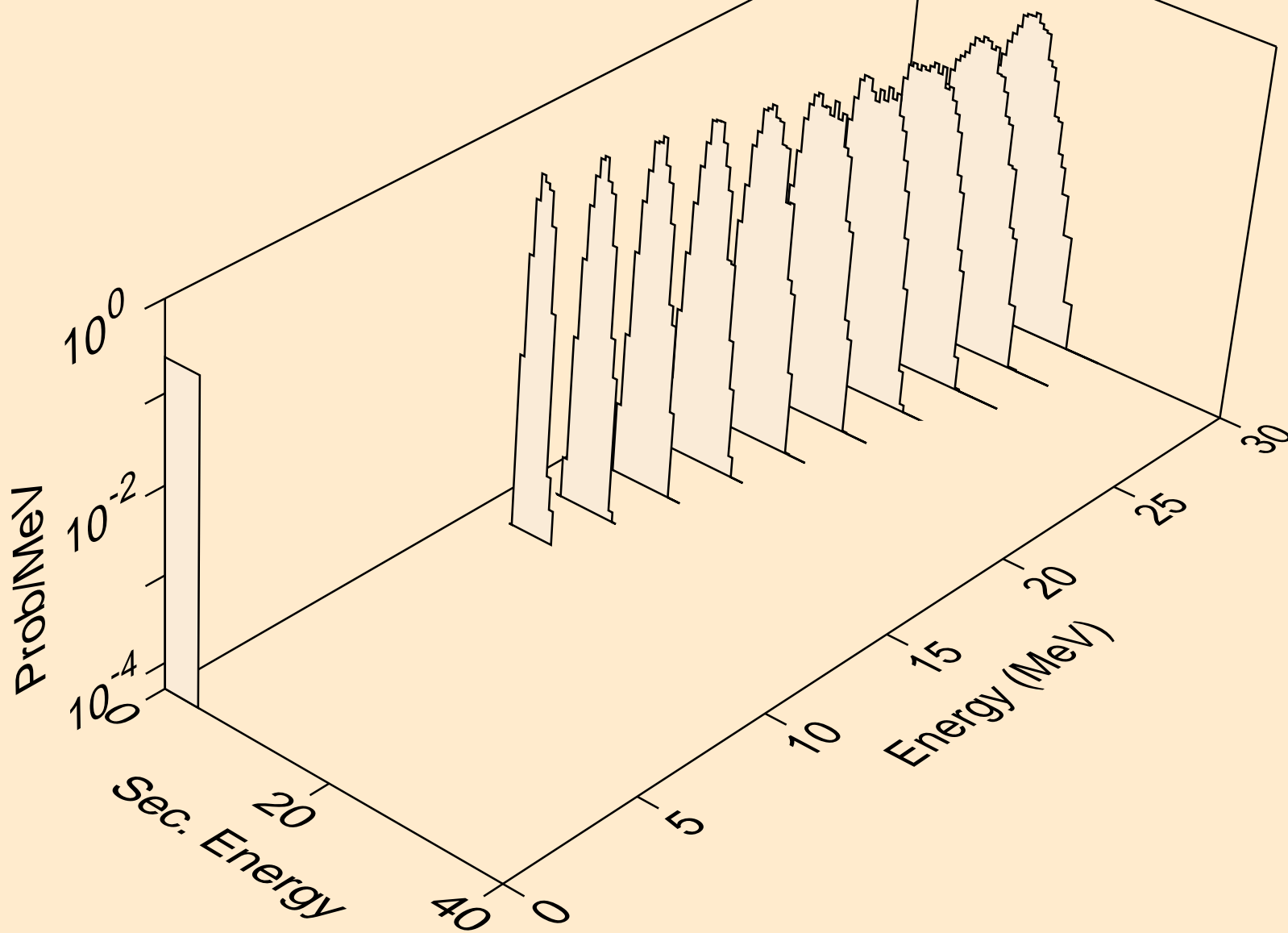
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



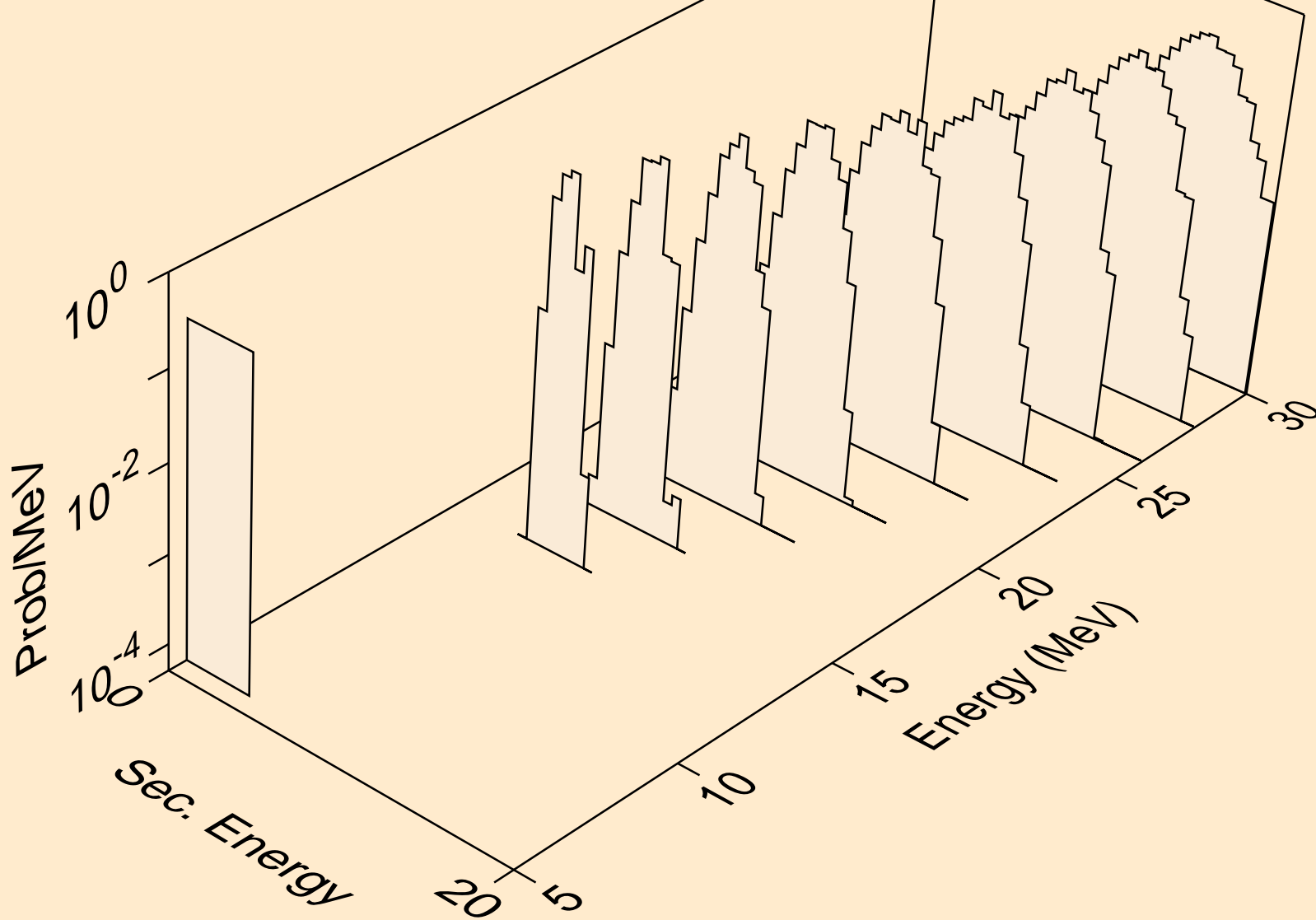
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



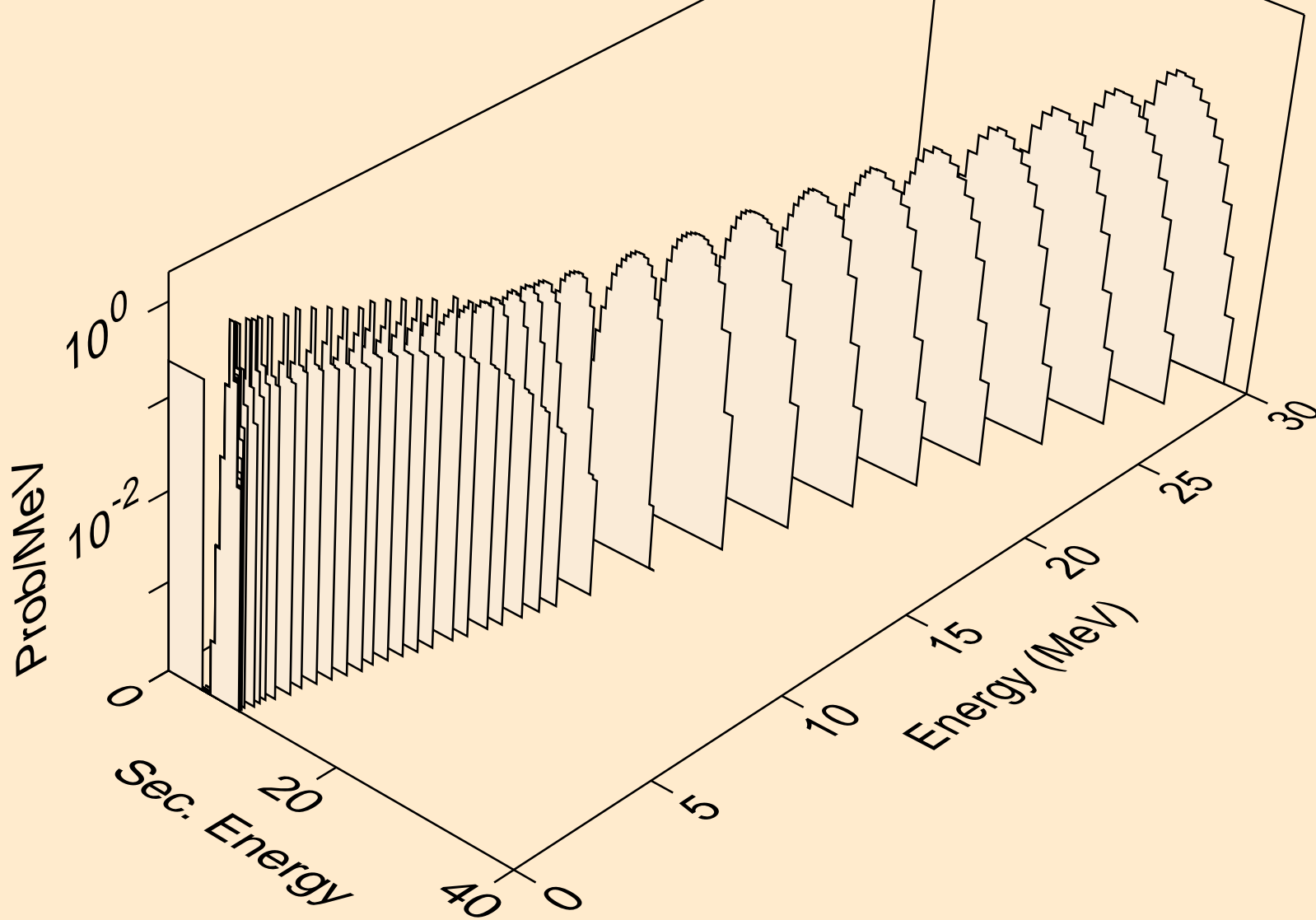
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a



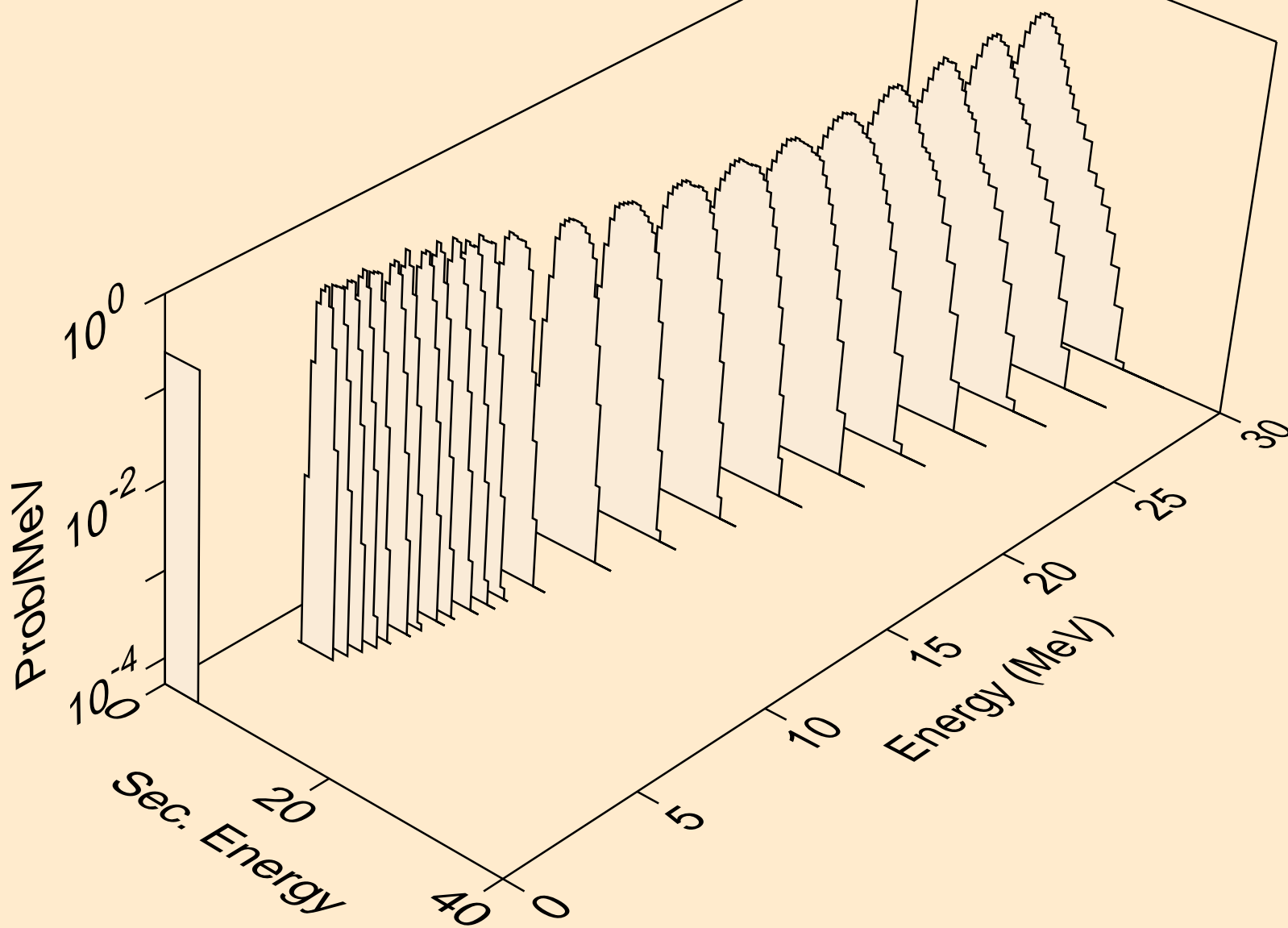
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)



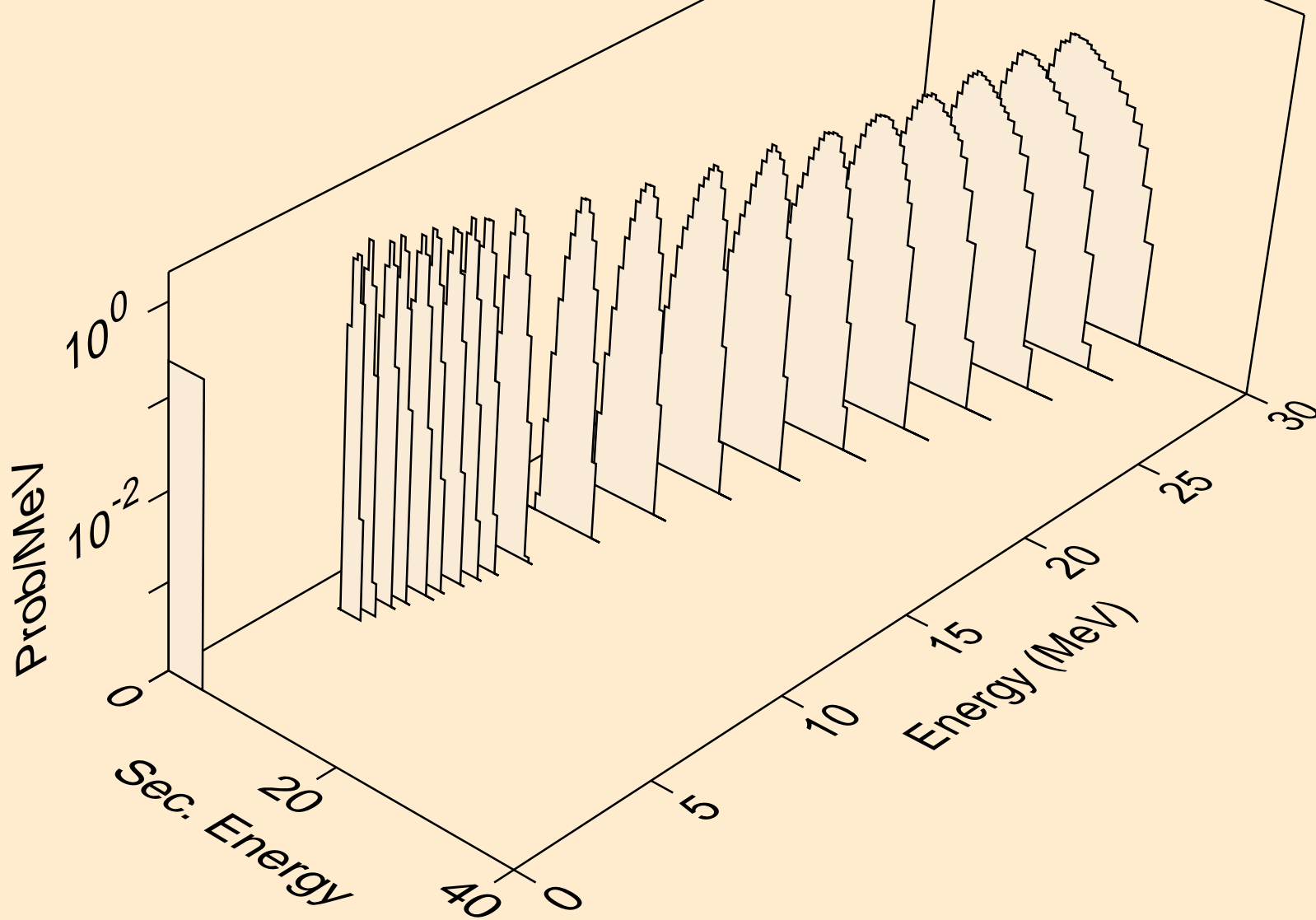
SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)



SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



SM142 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

