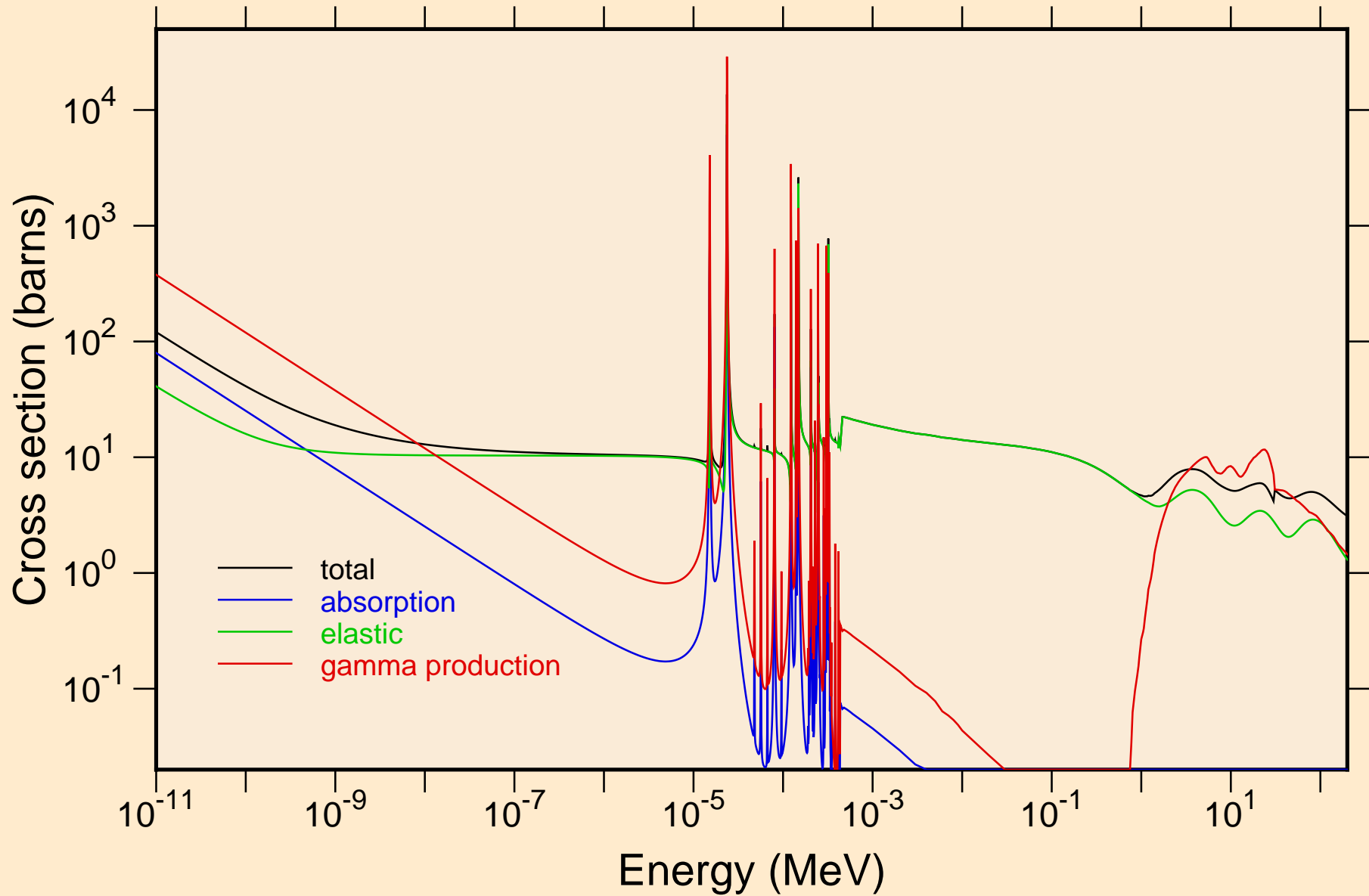
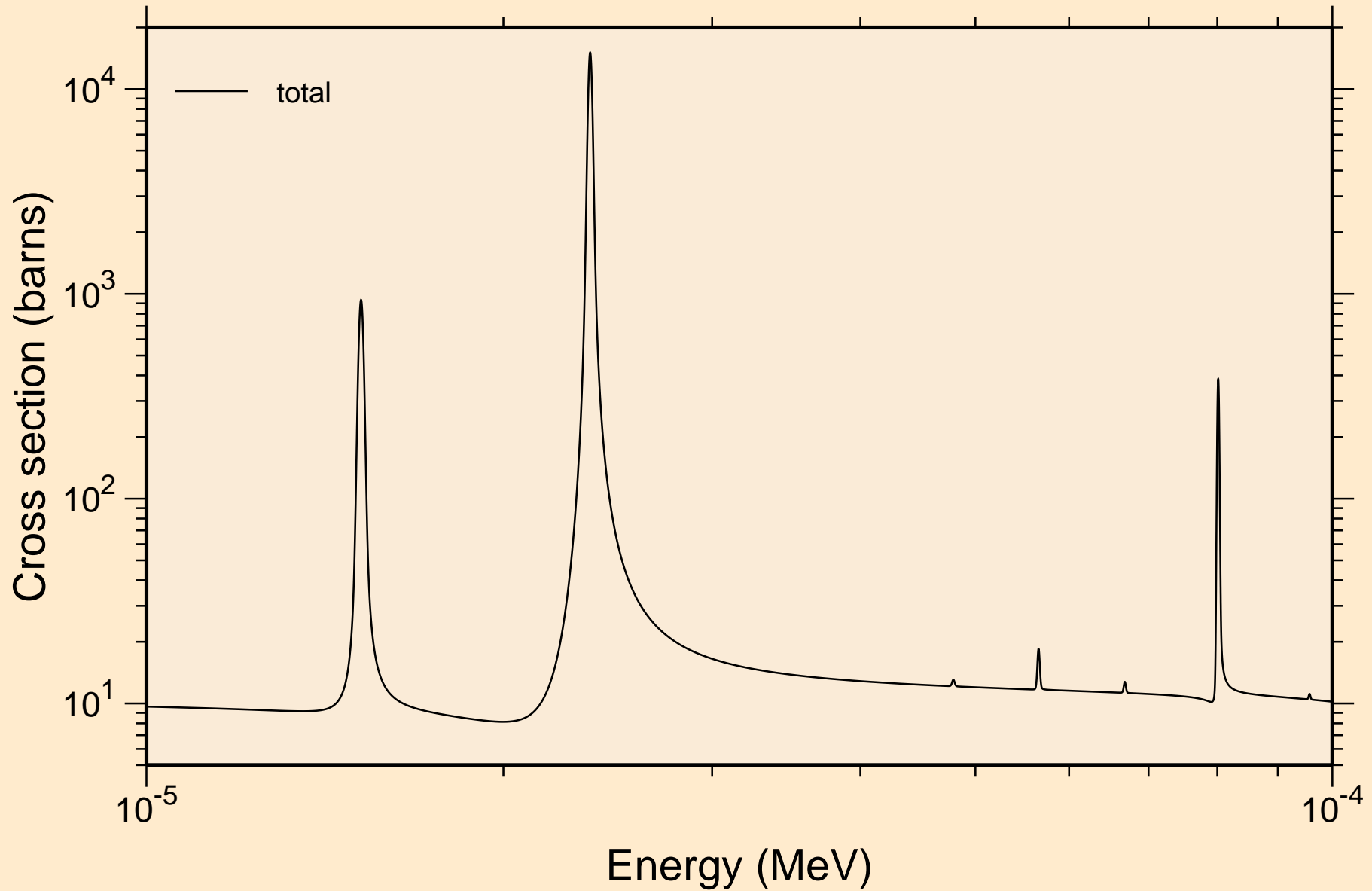


# BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

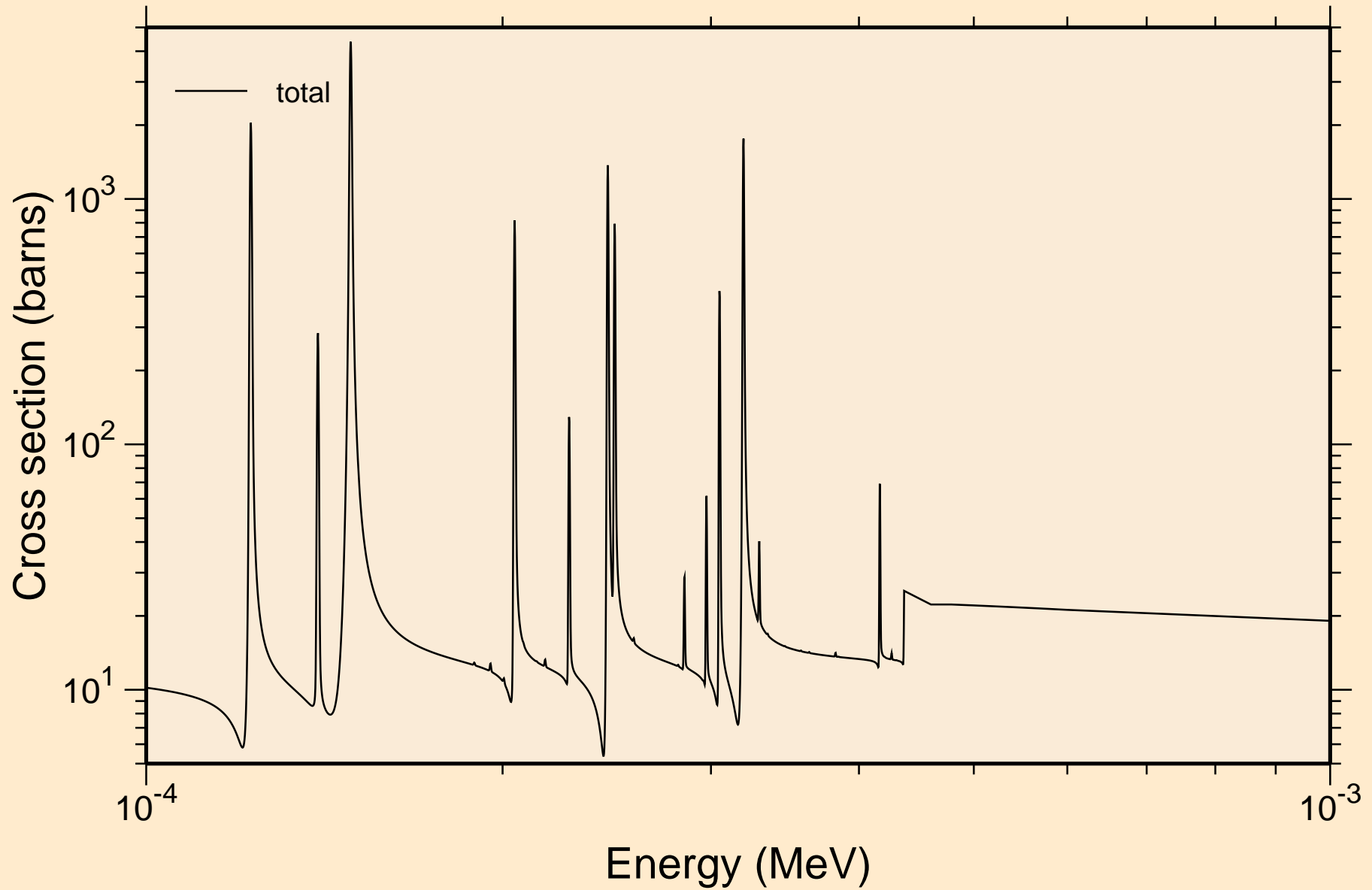
## Principal cross sections



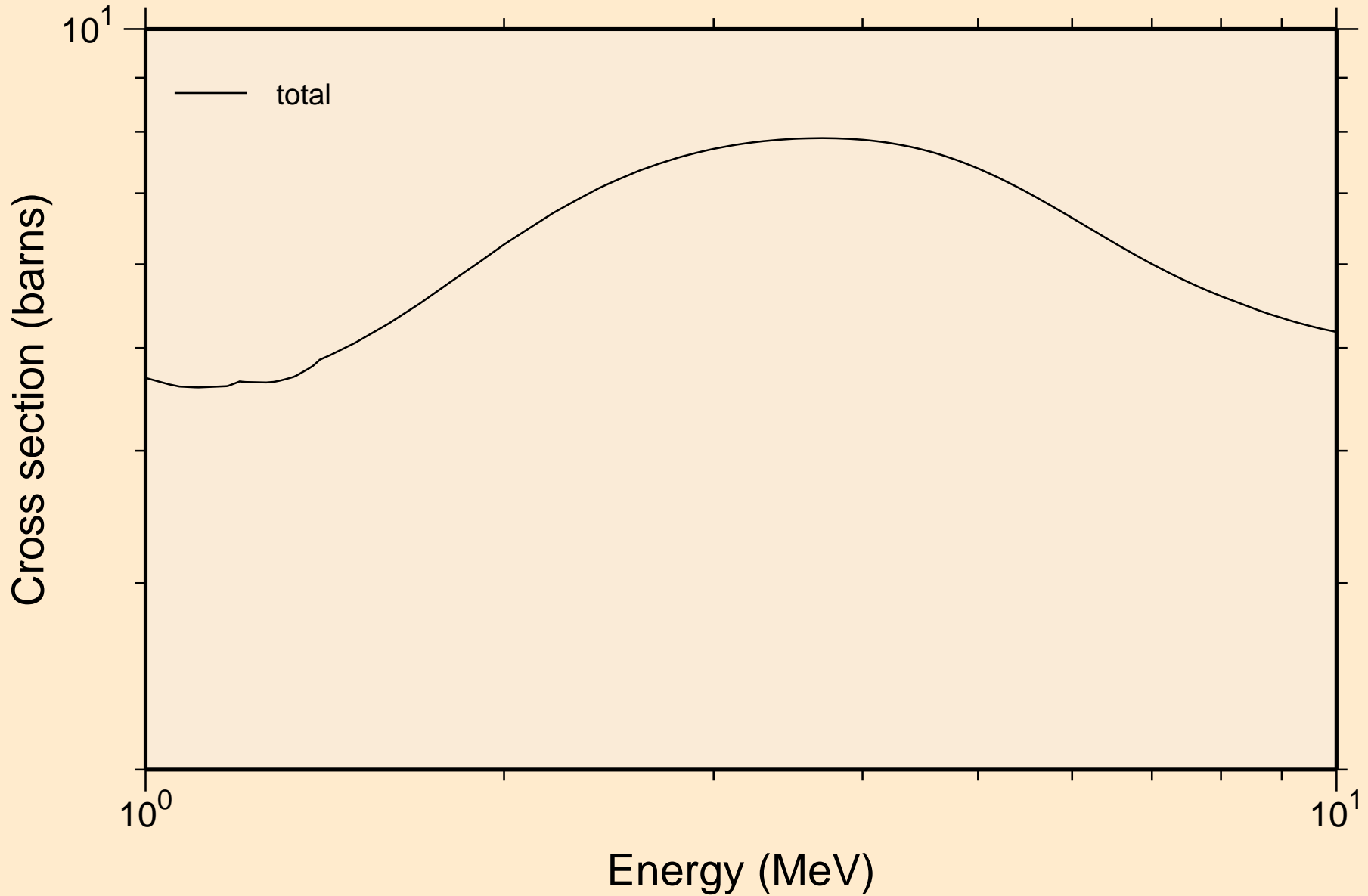
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



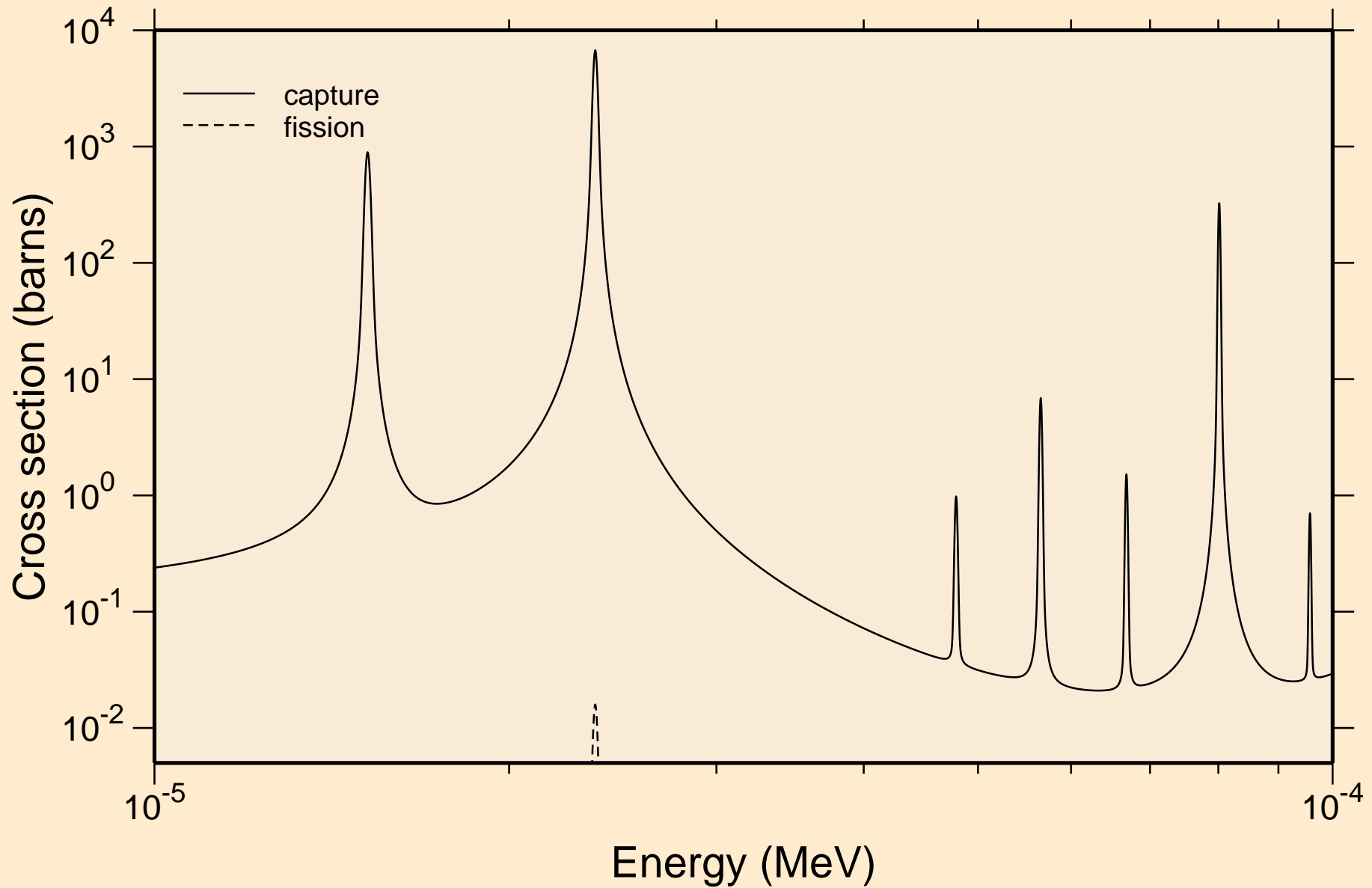
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



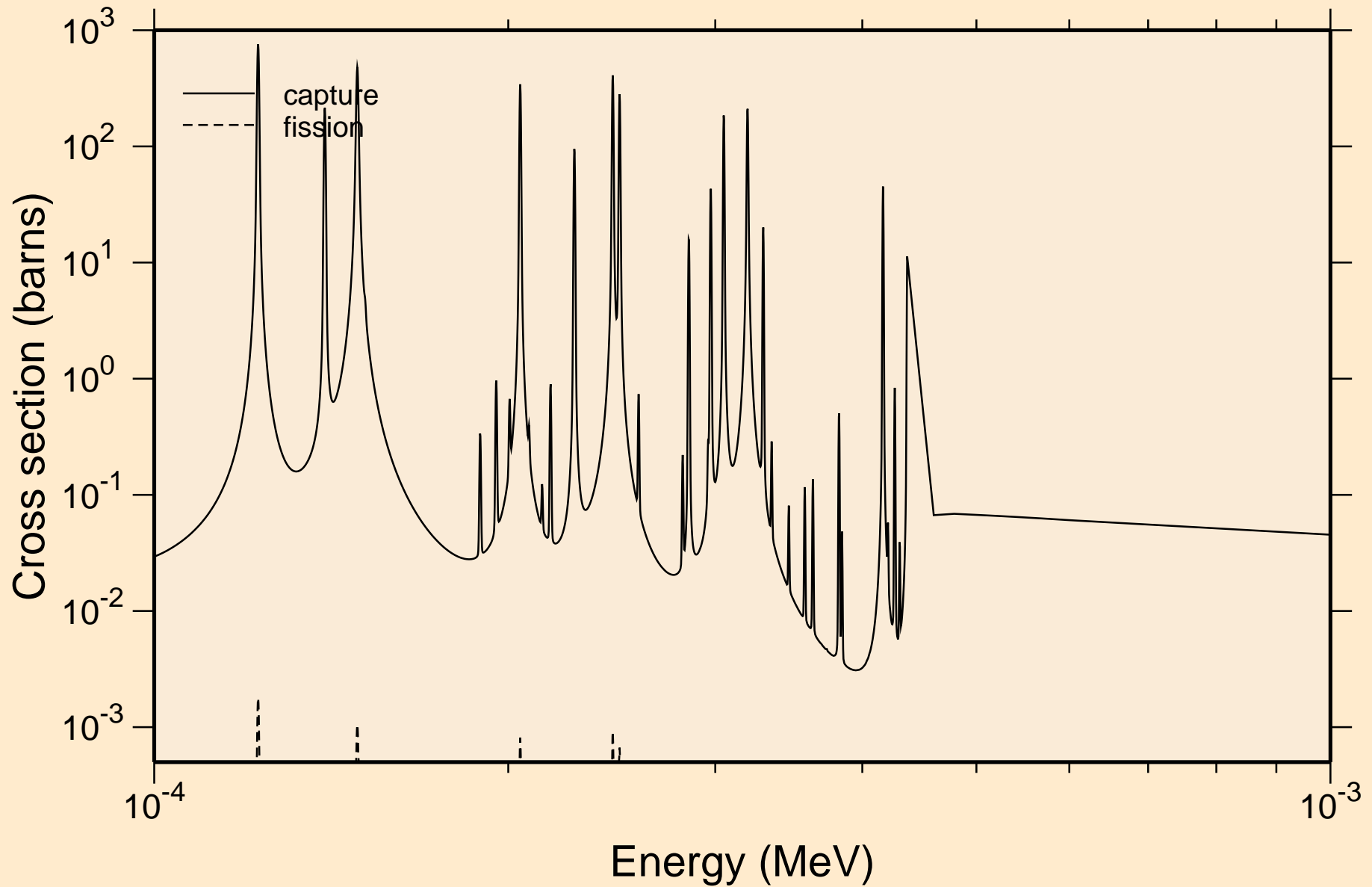
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



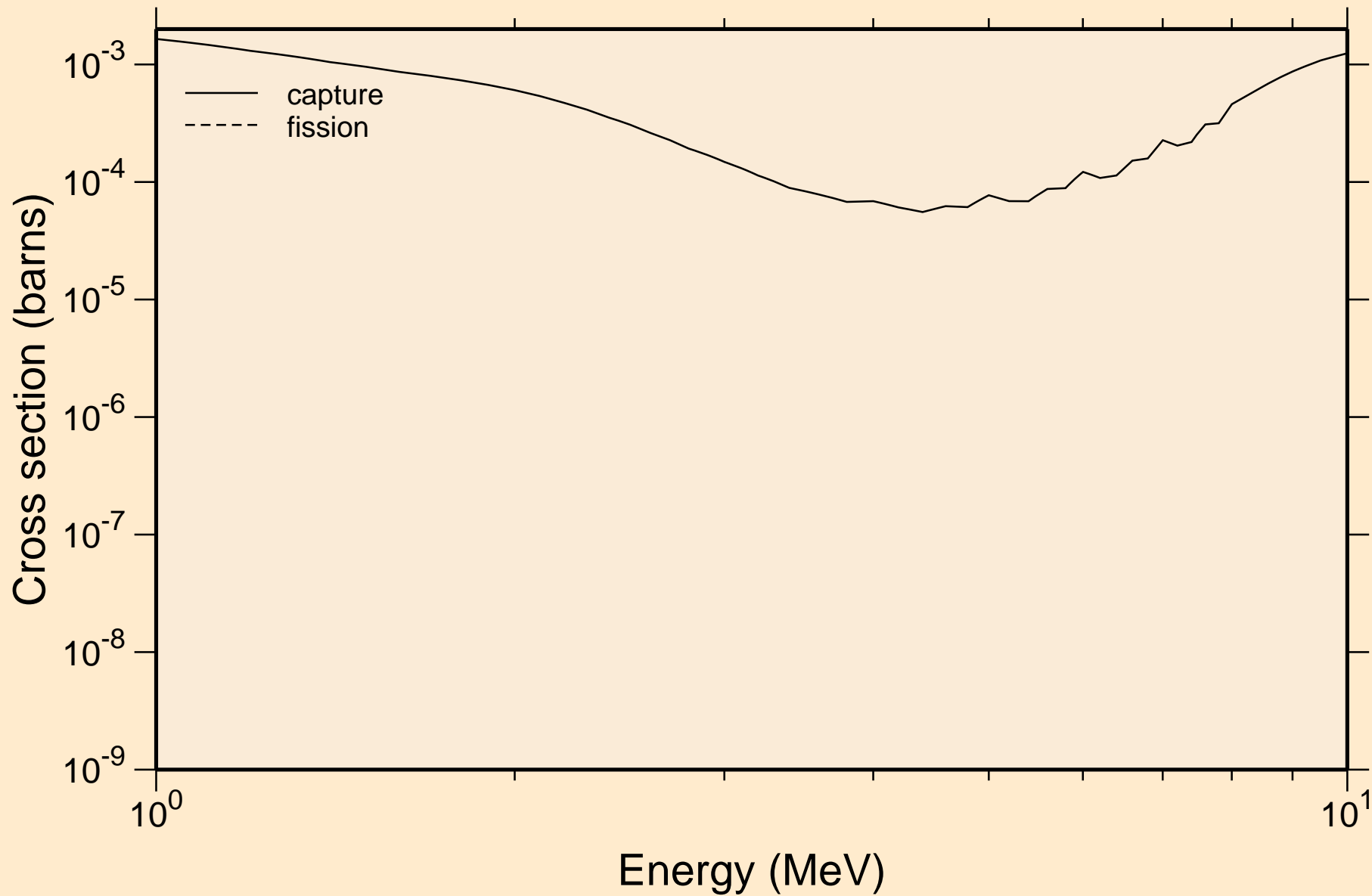
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



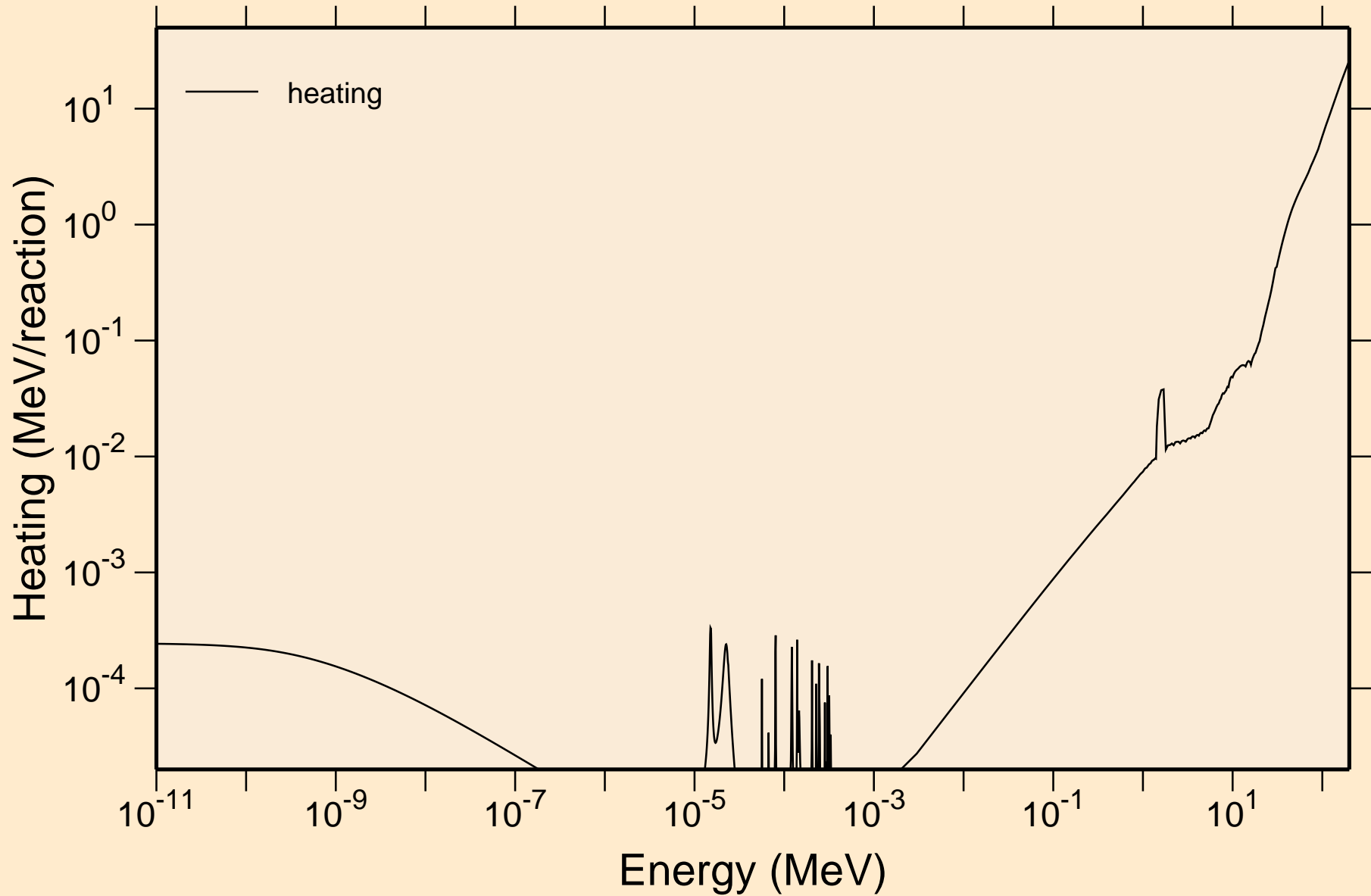
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections

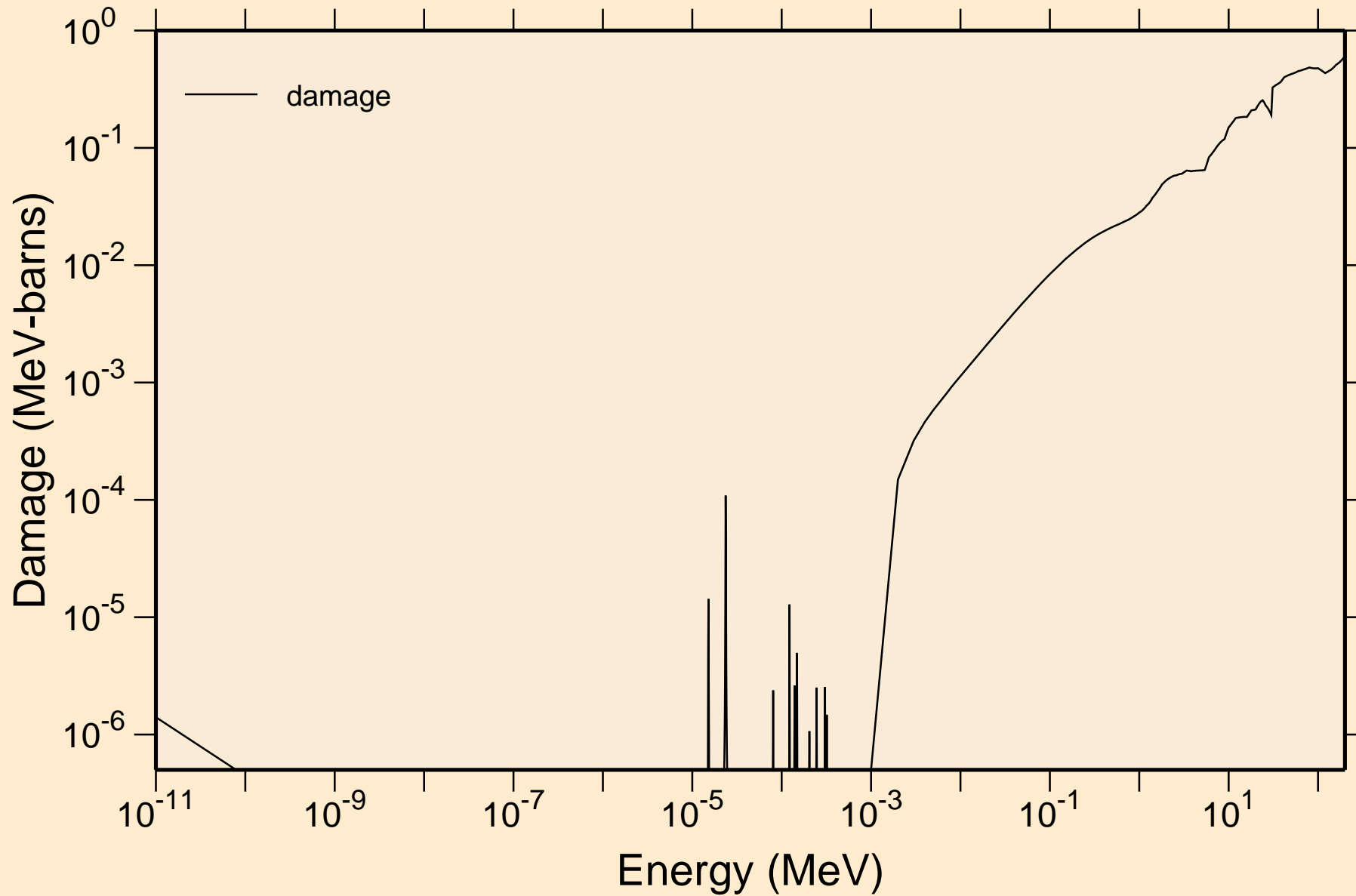


BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Heating

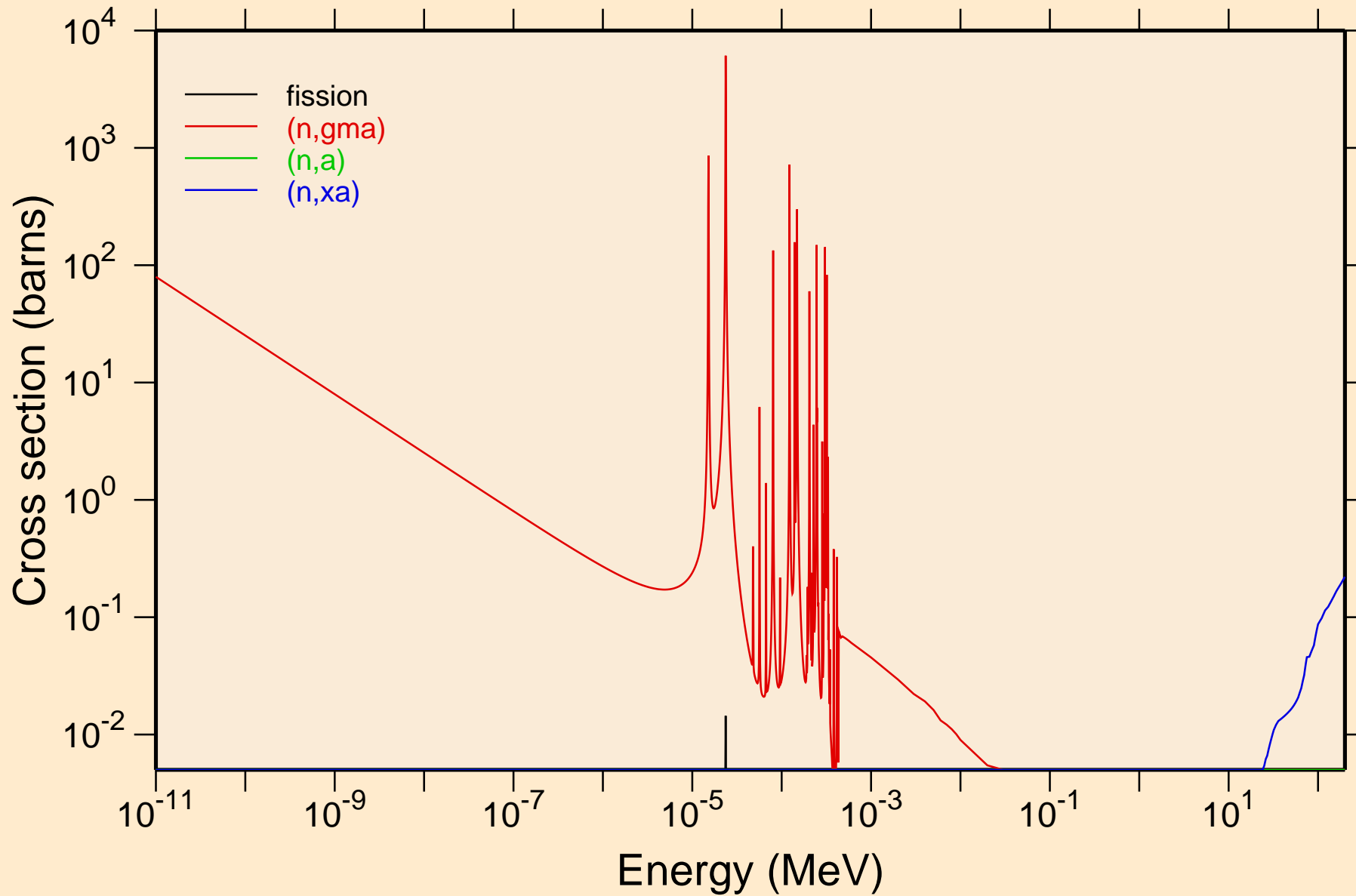


# BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

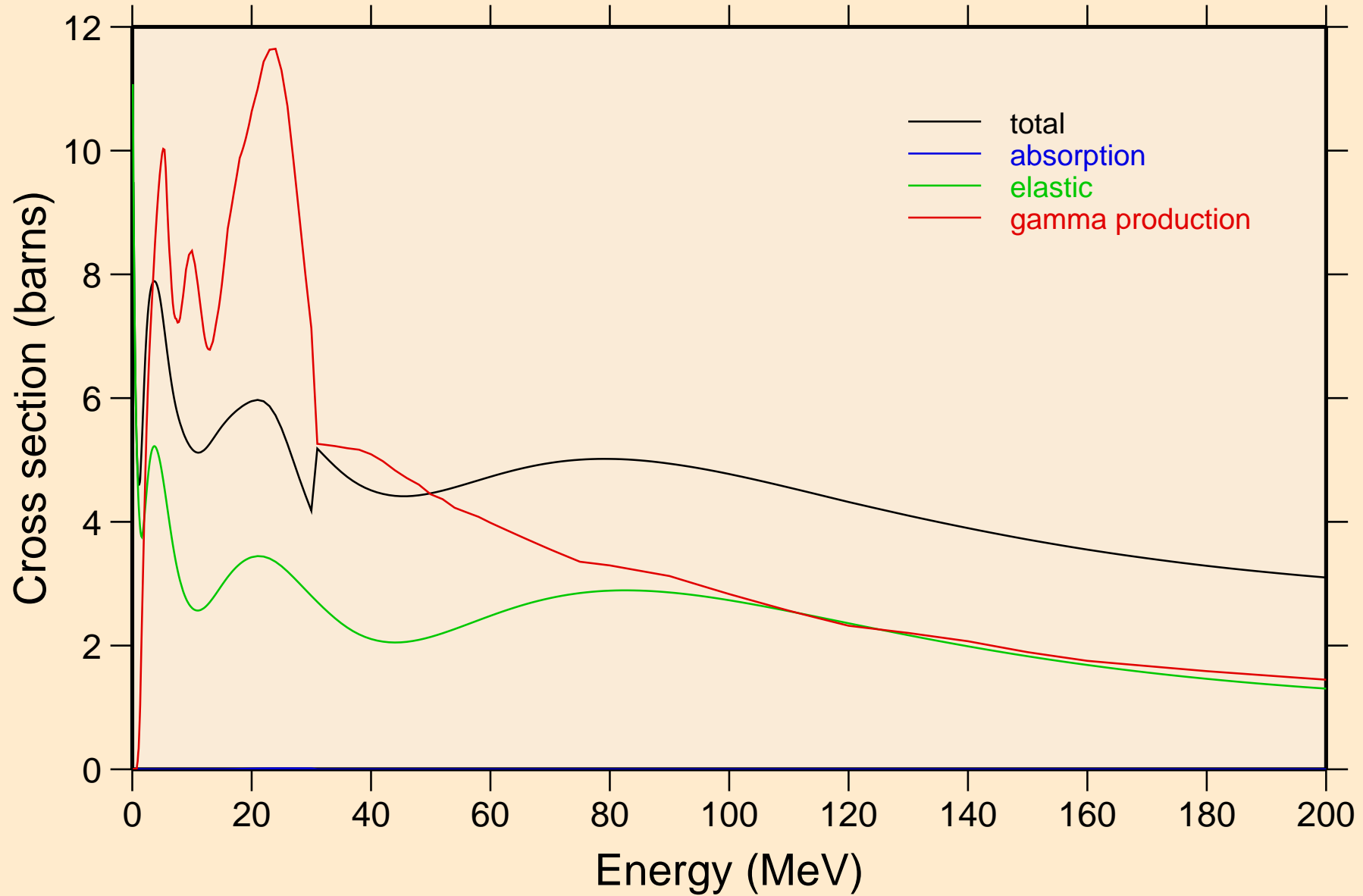
## Damage



BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions

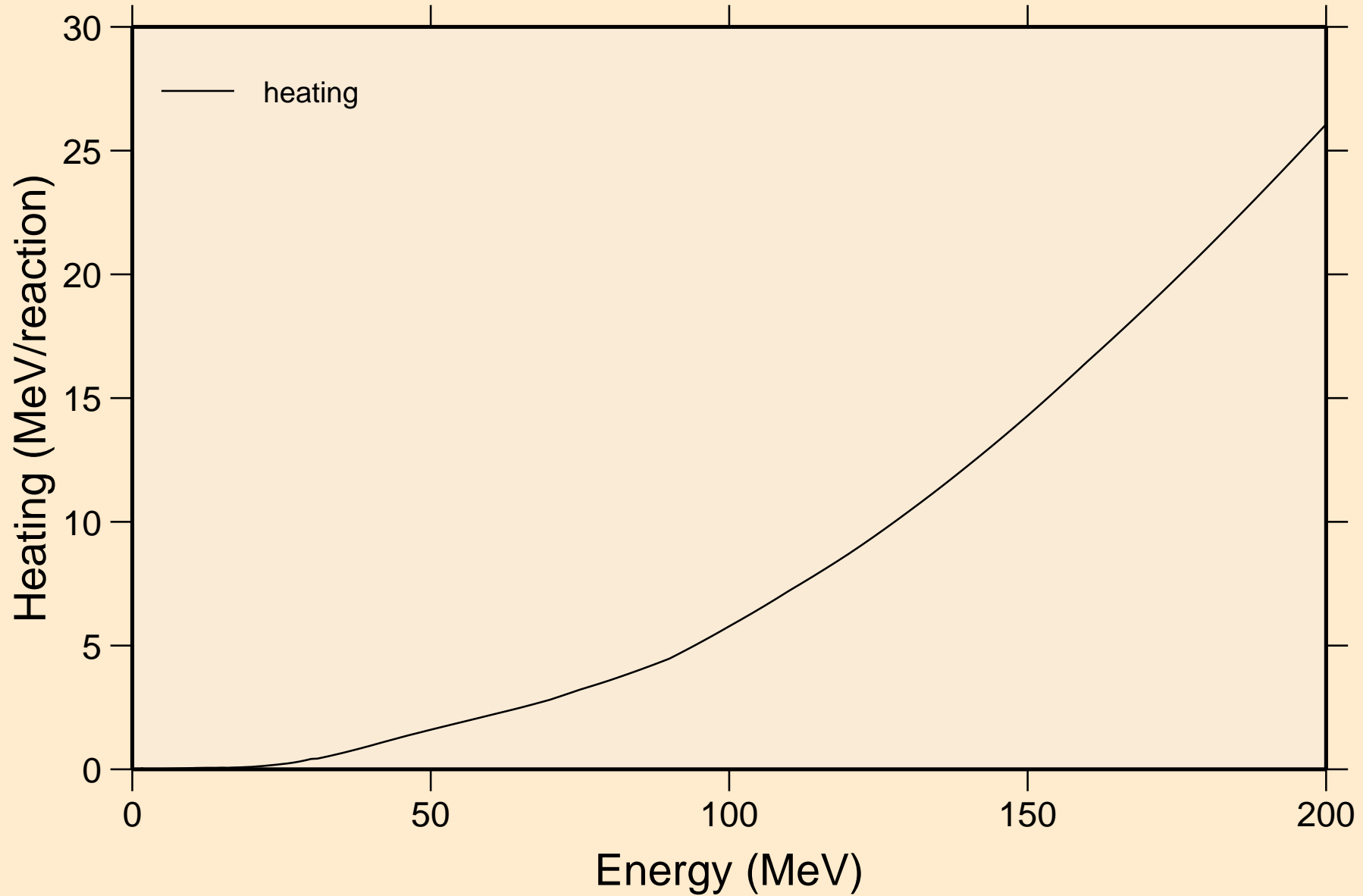


BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Principal cross sections

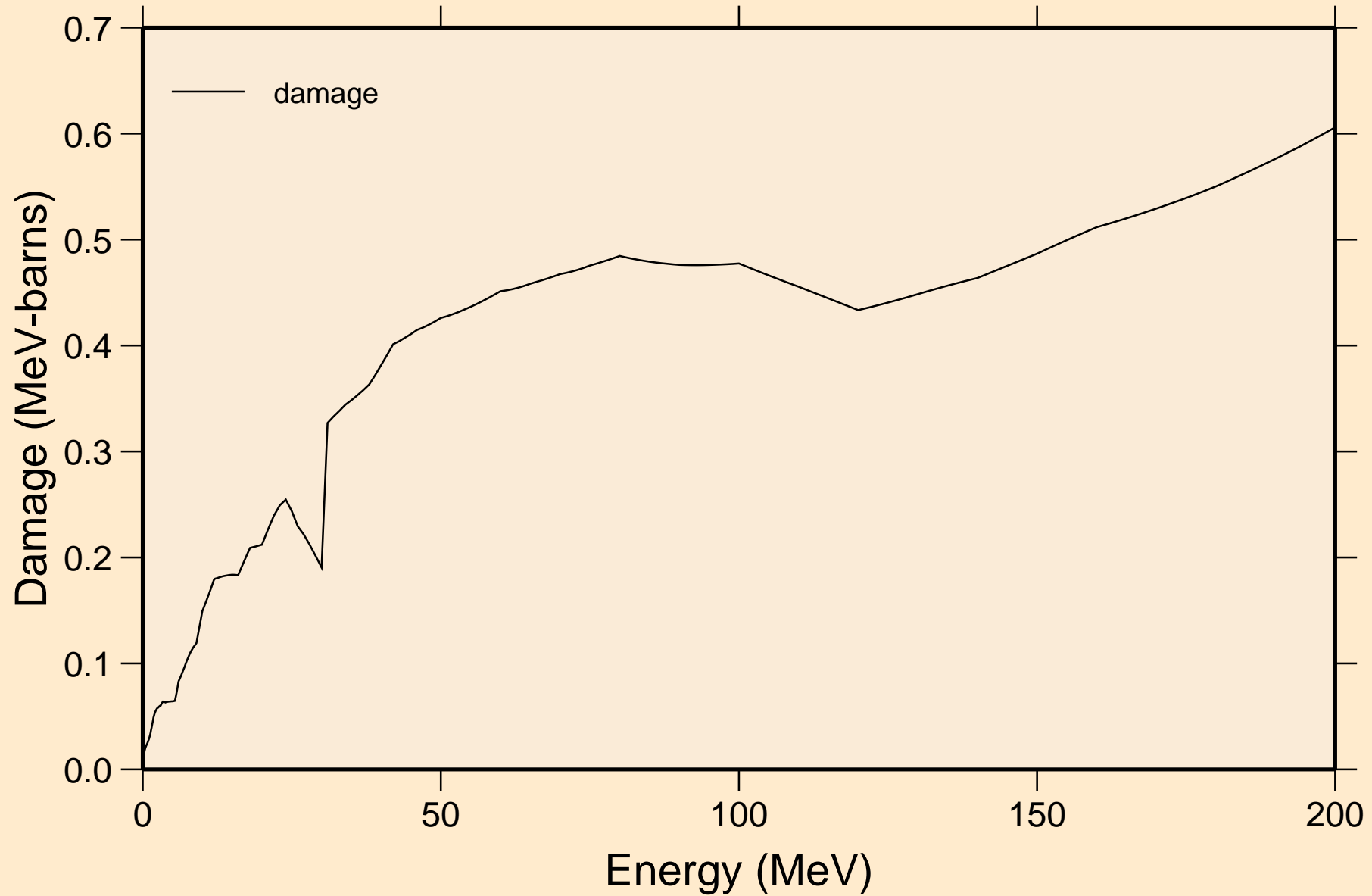


BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

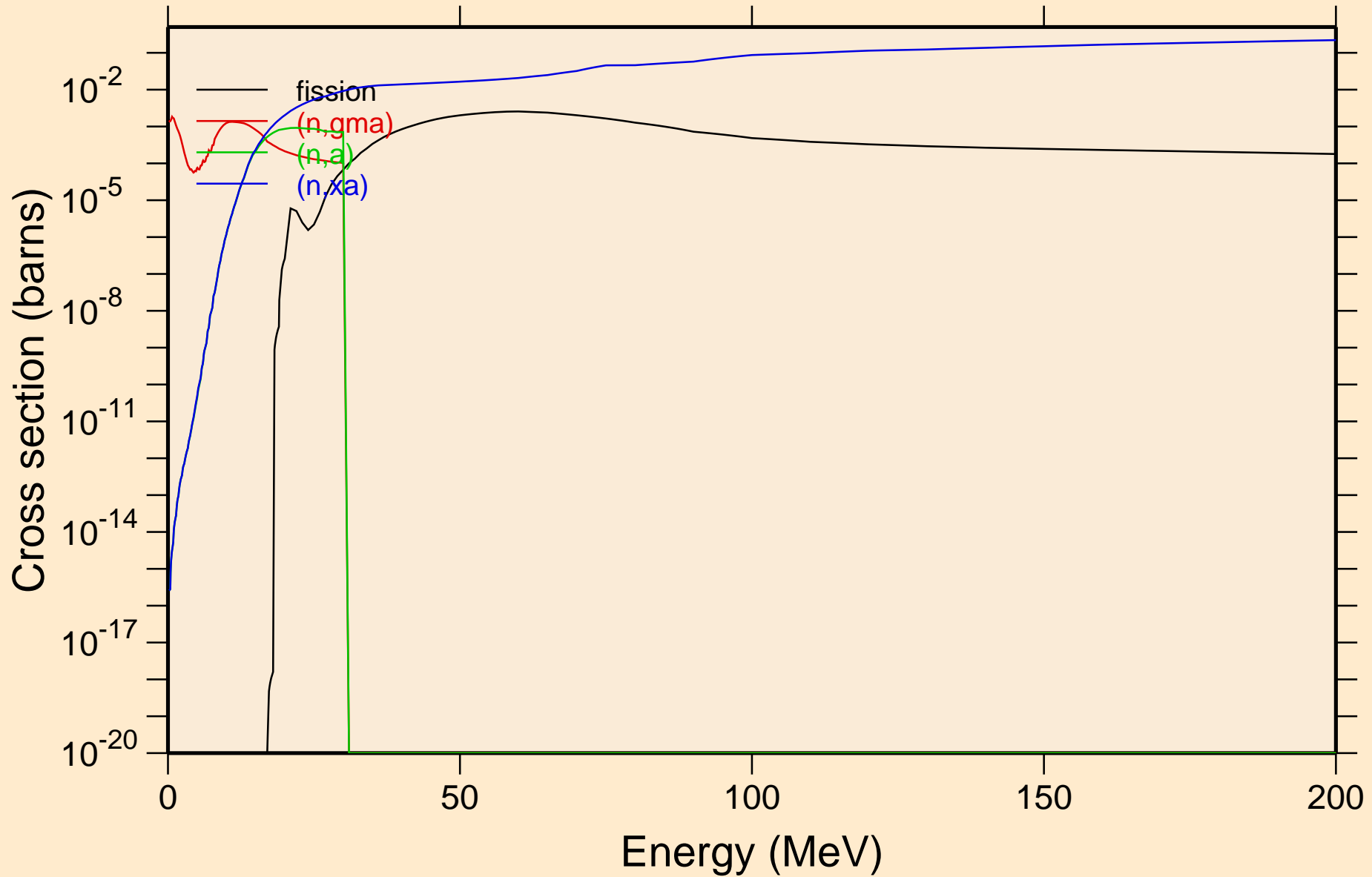
Heating



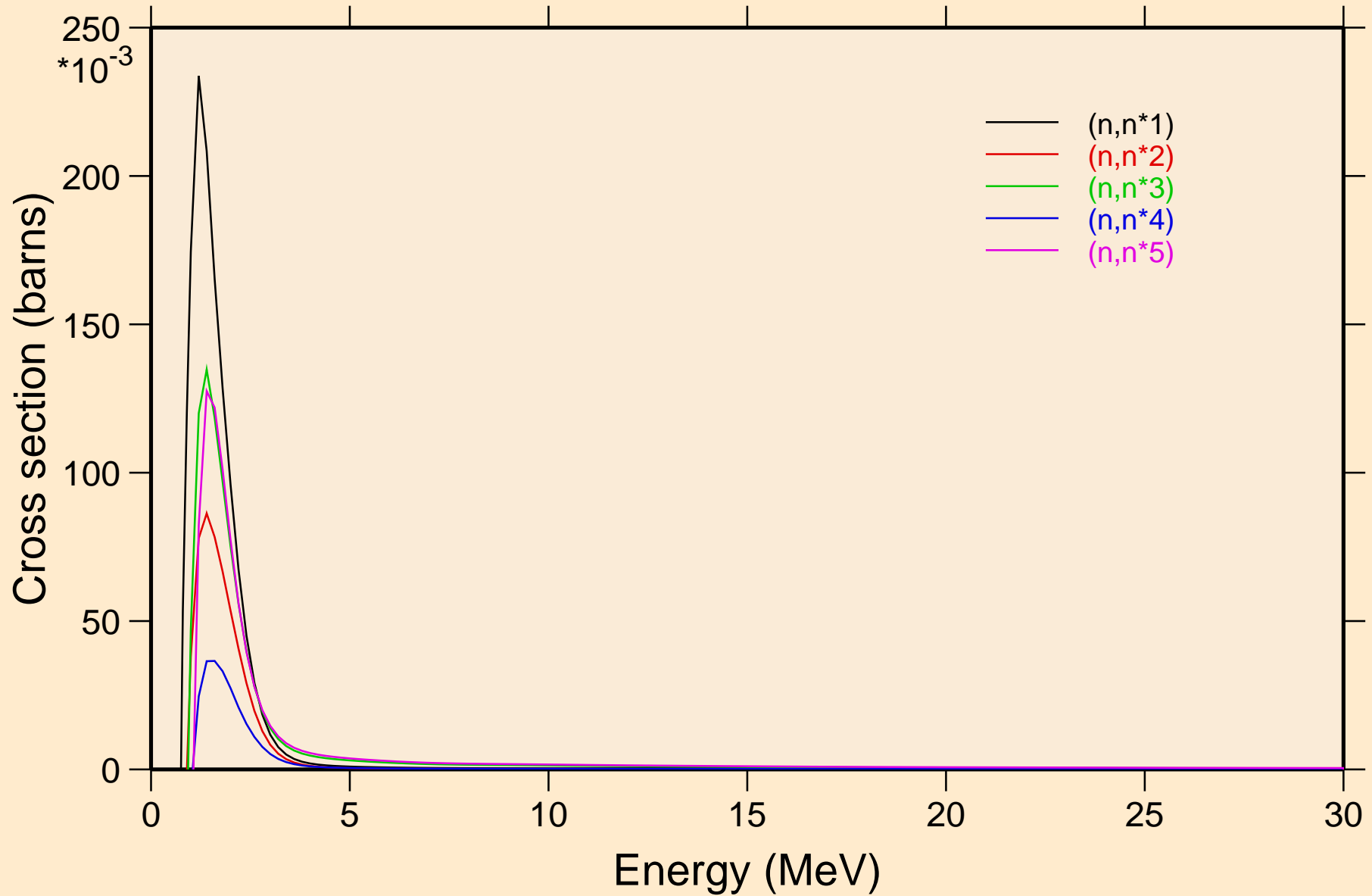
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Damage



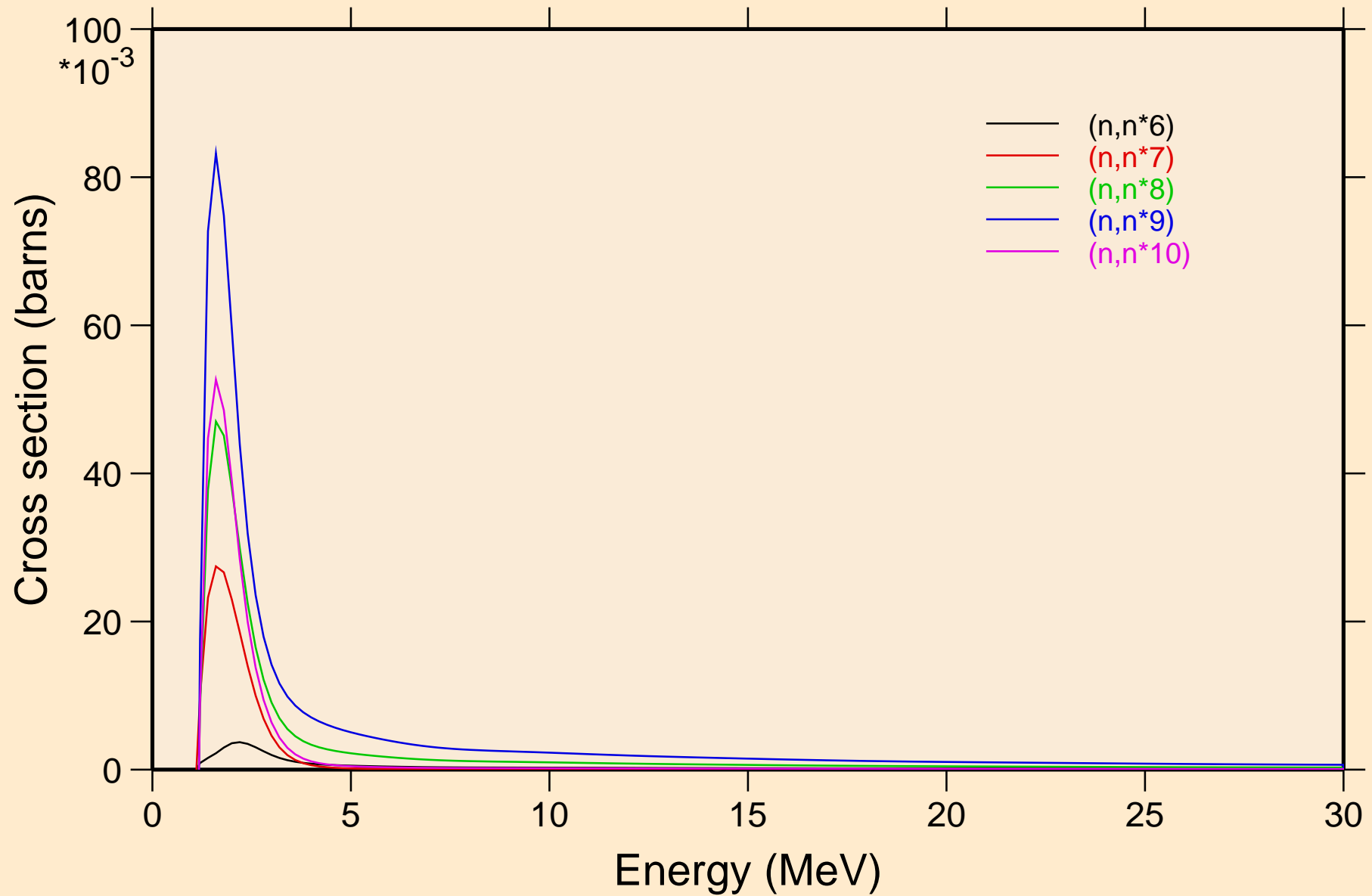
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions



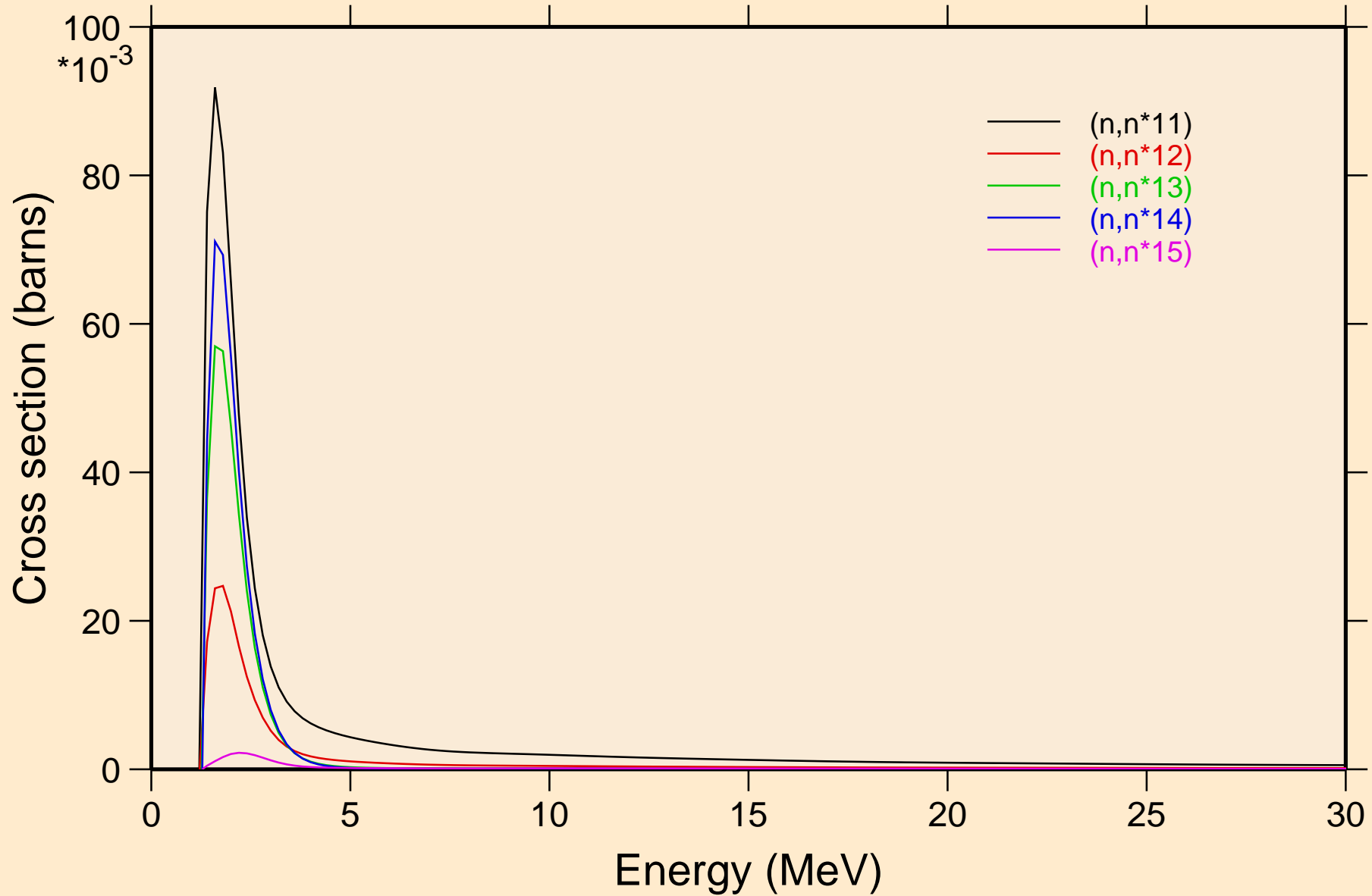
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



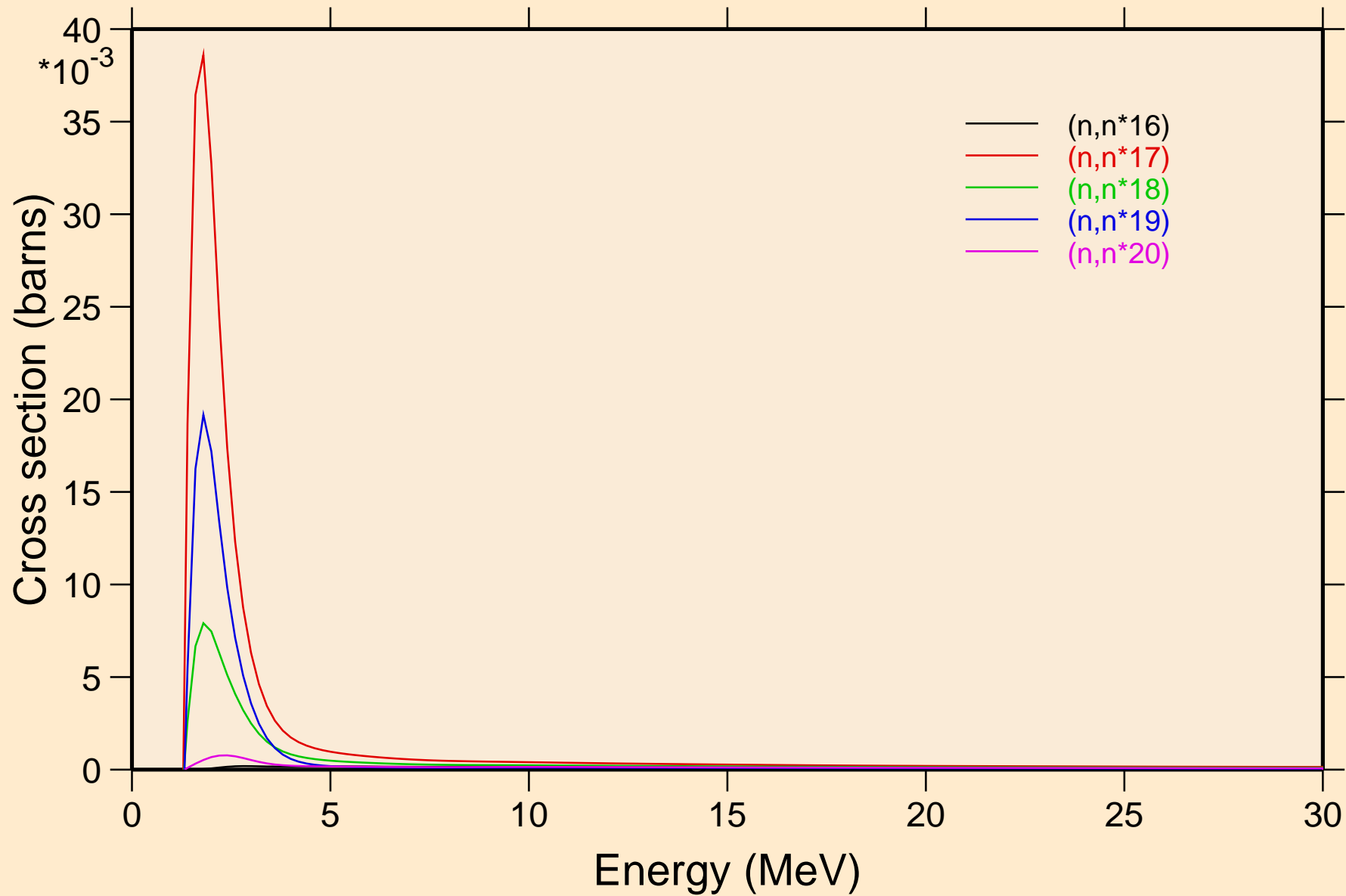
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



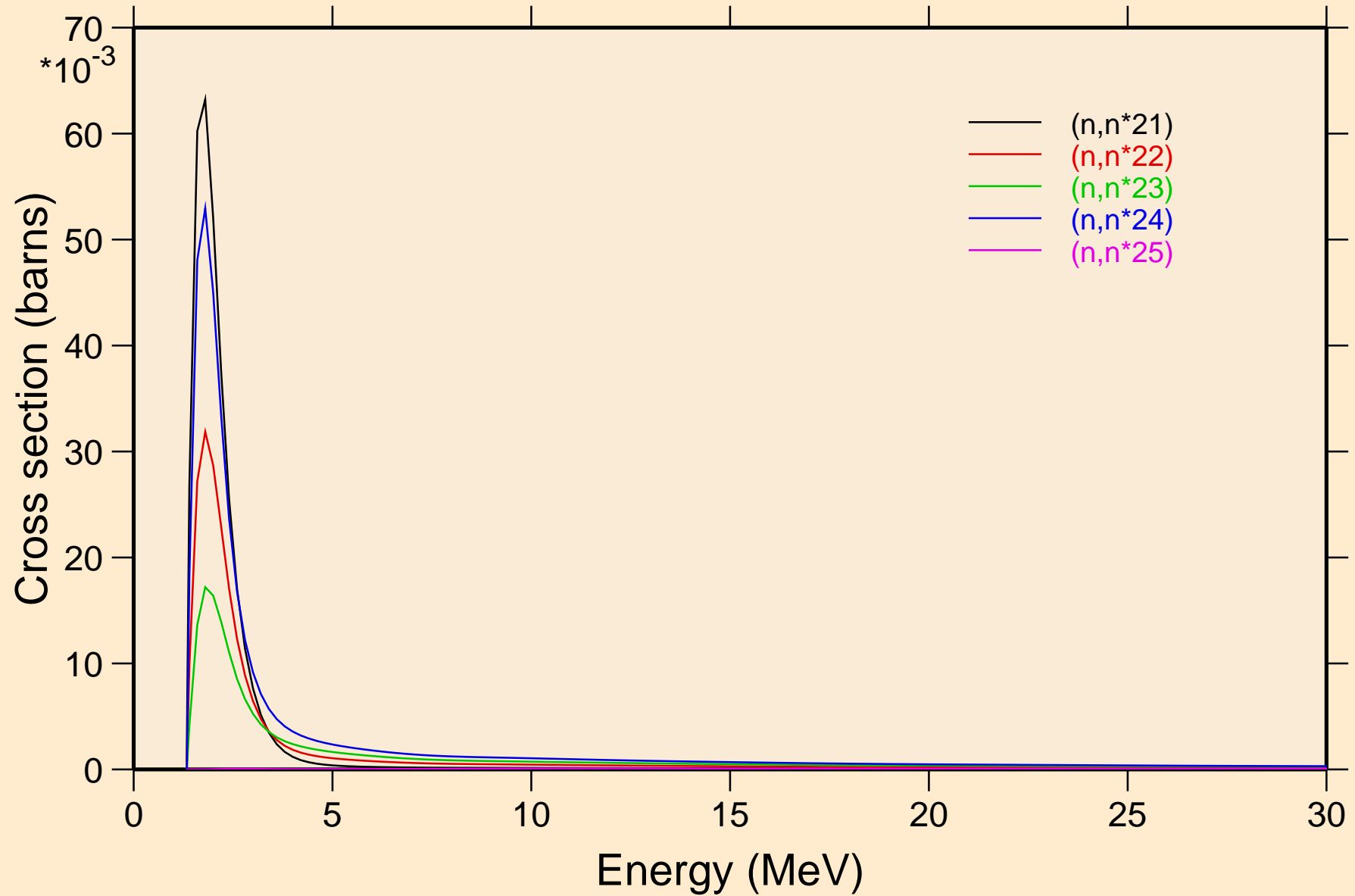
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



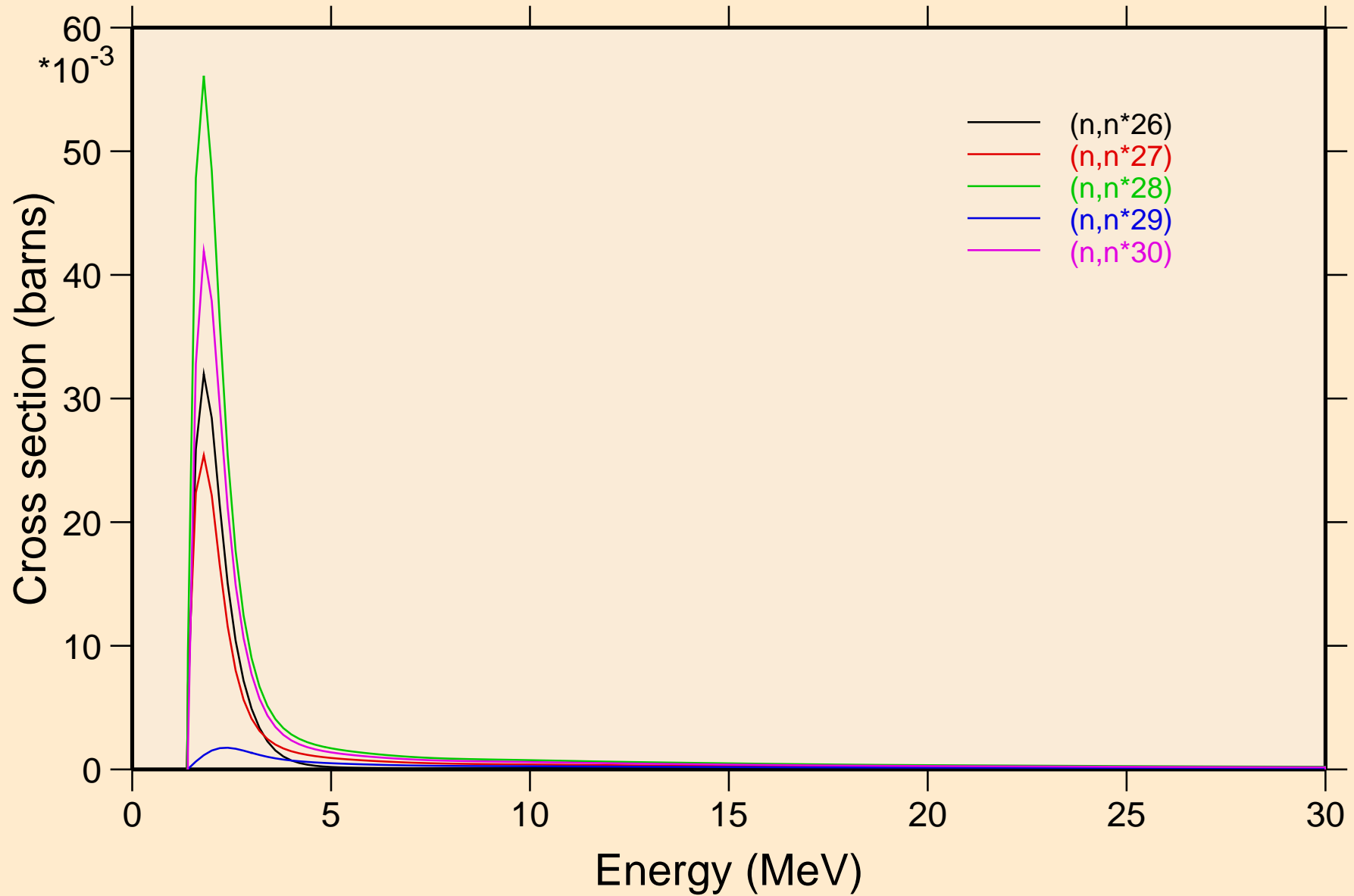
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



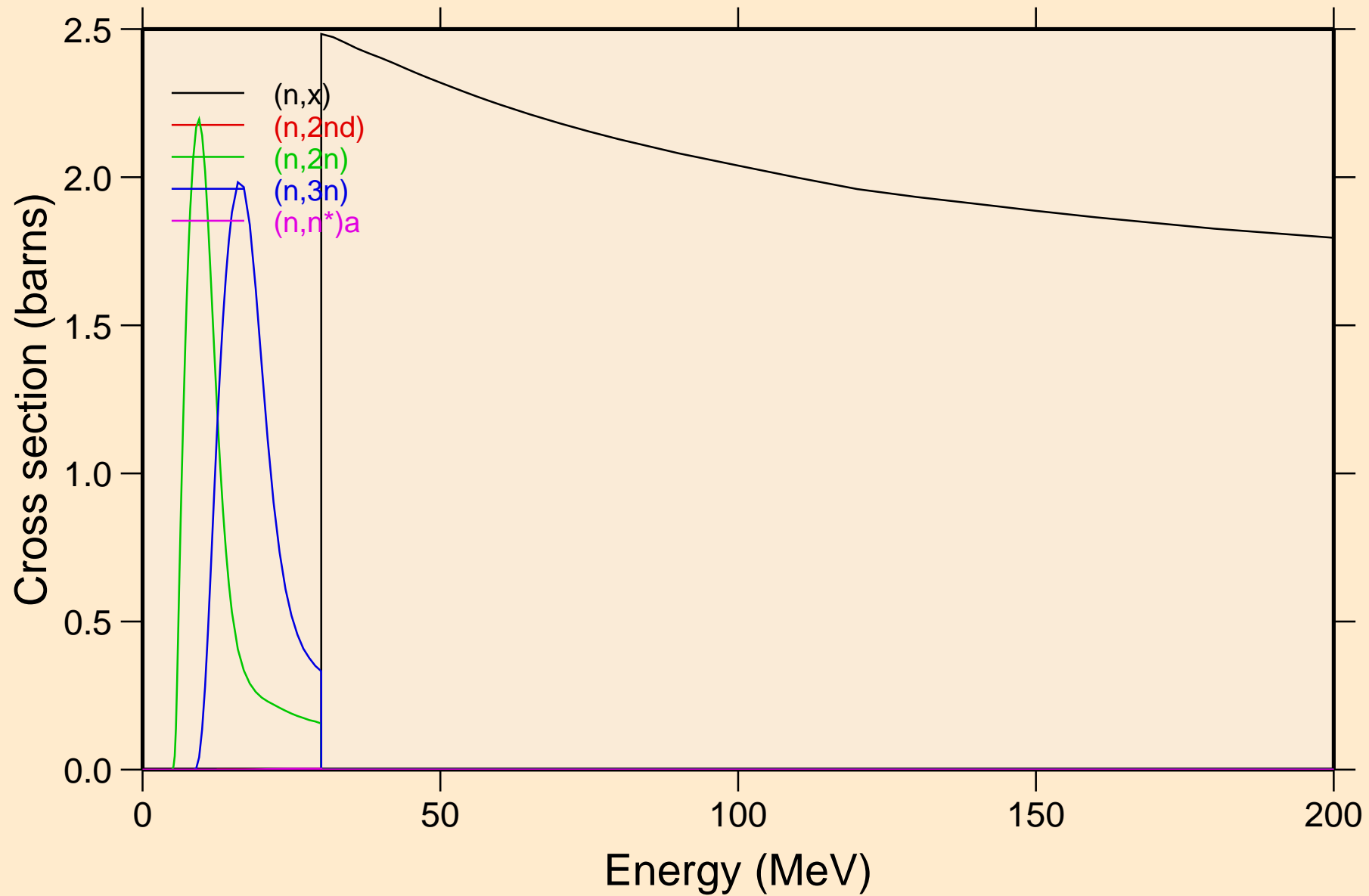
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



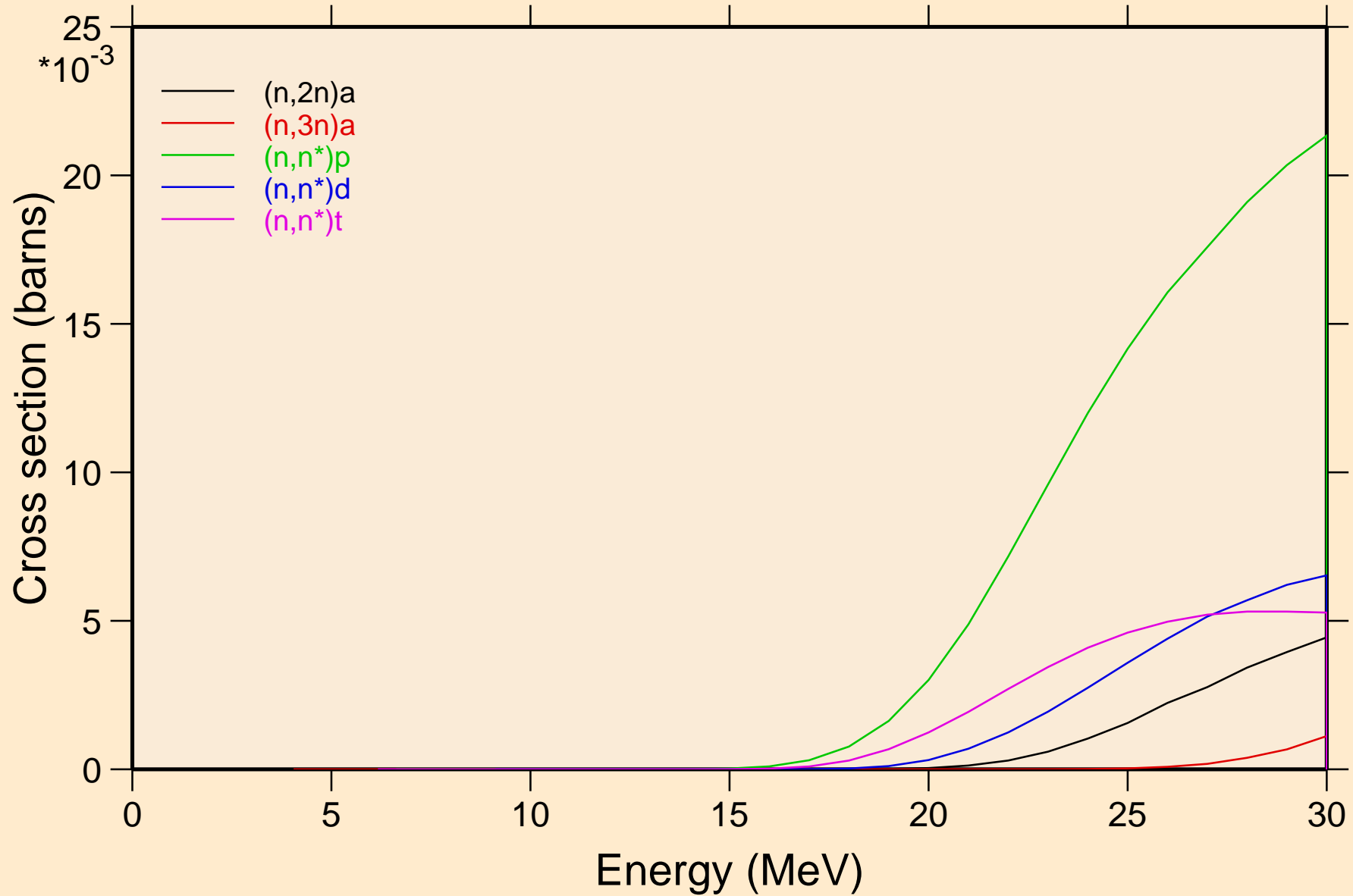
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



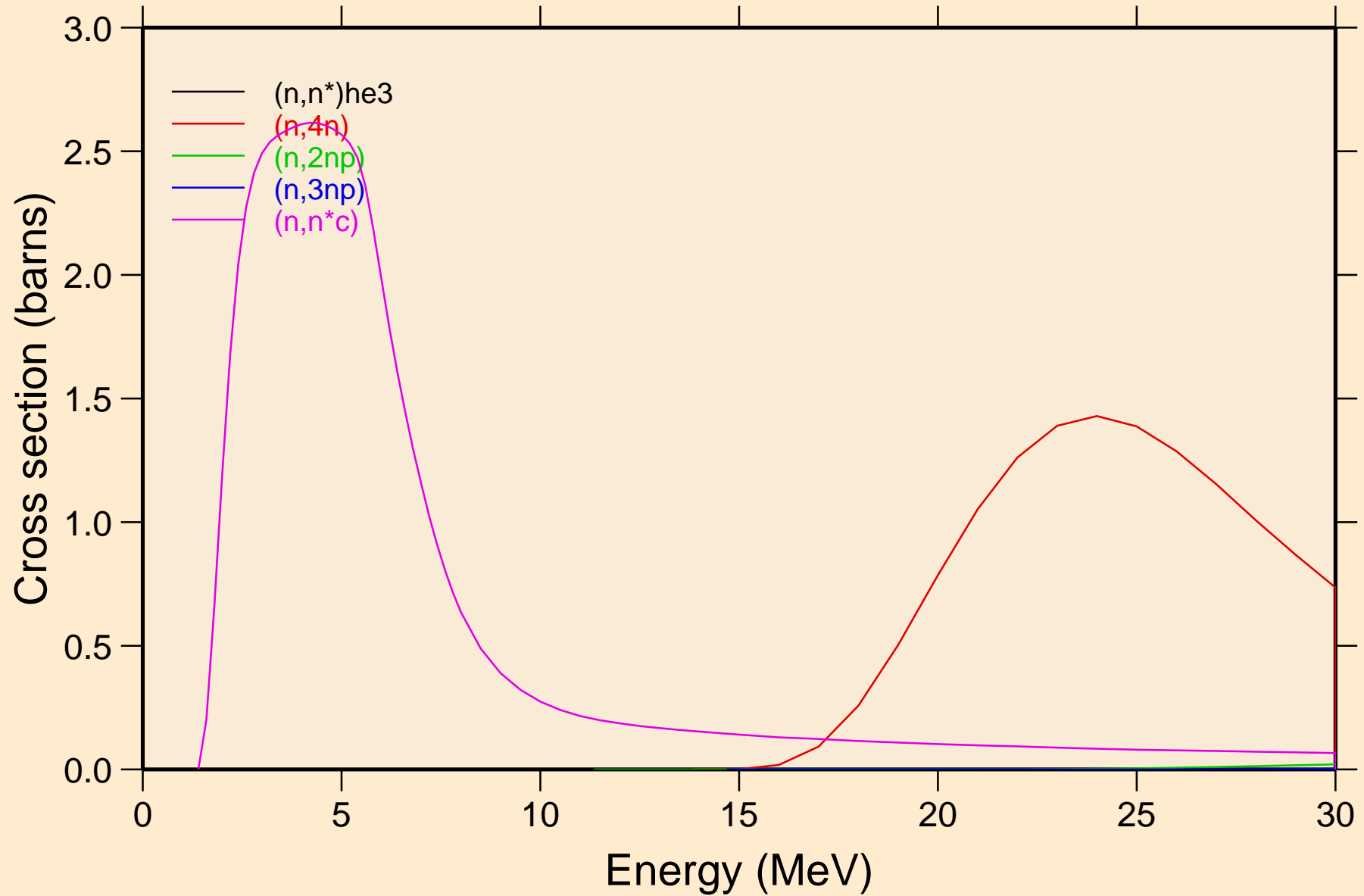
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



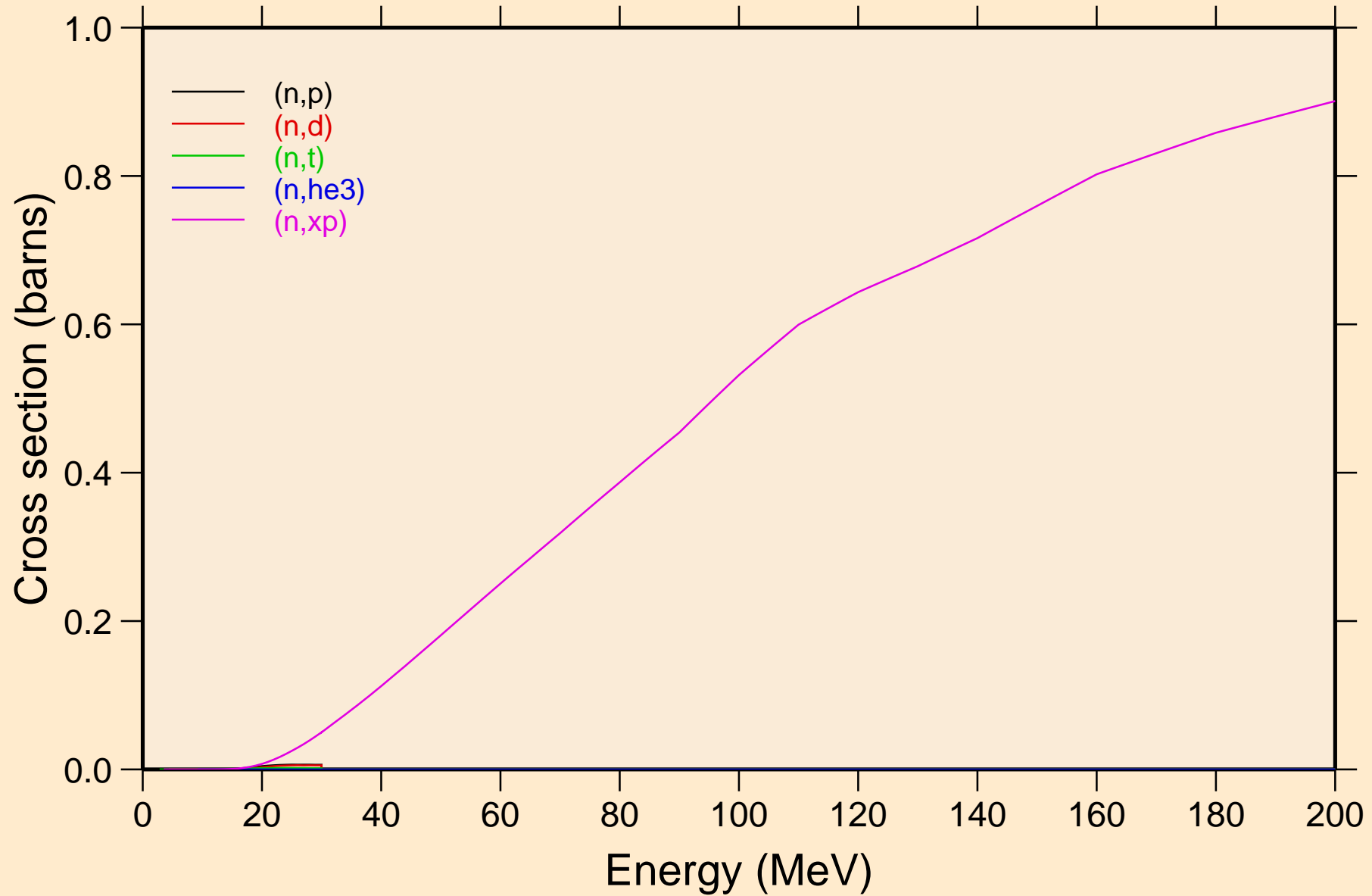
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



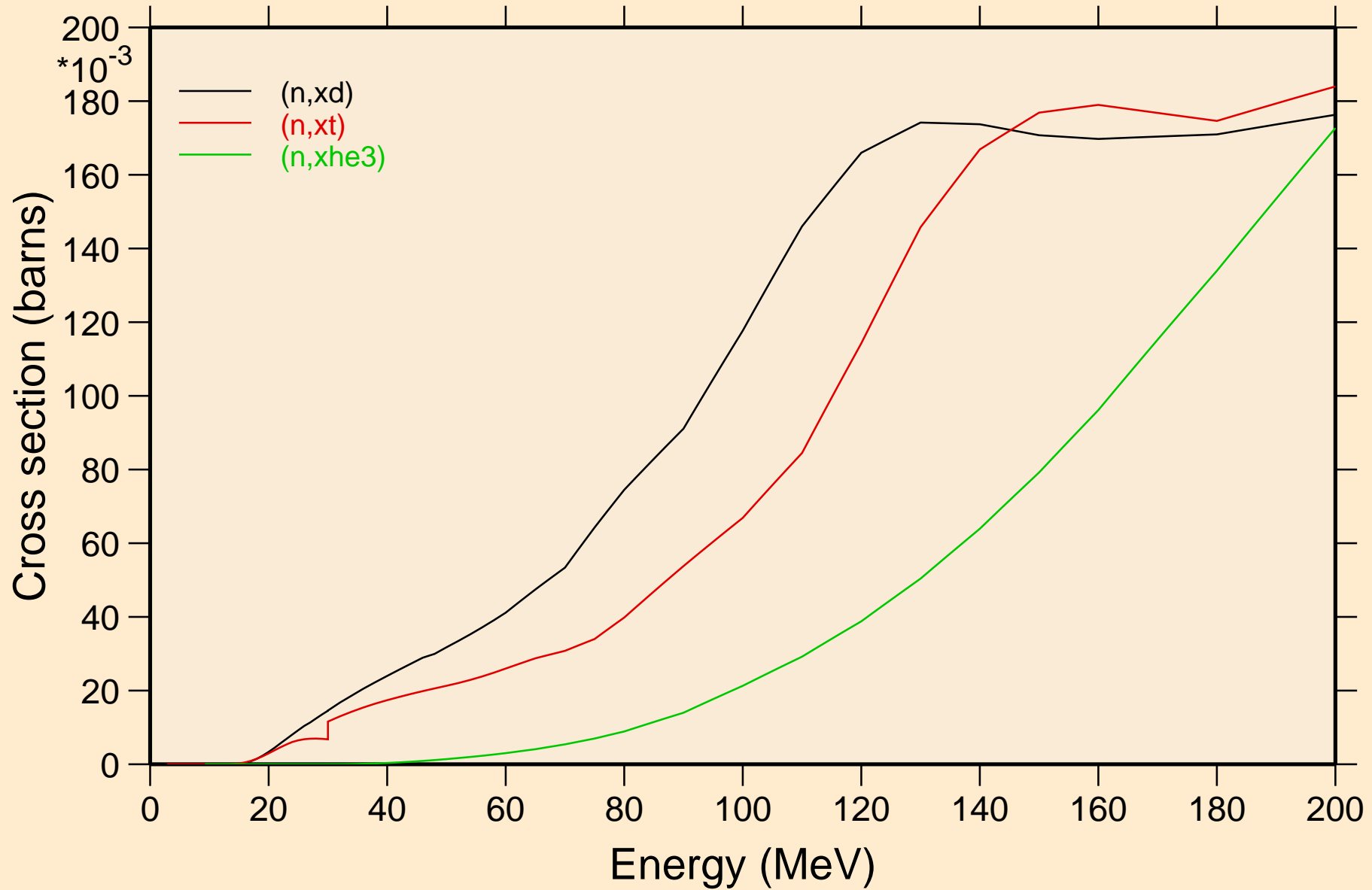
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



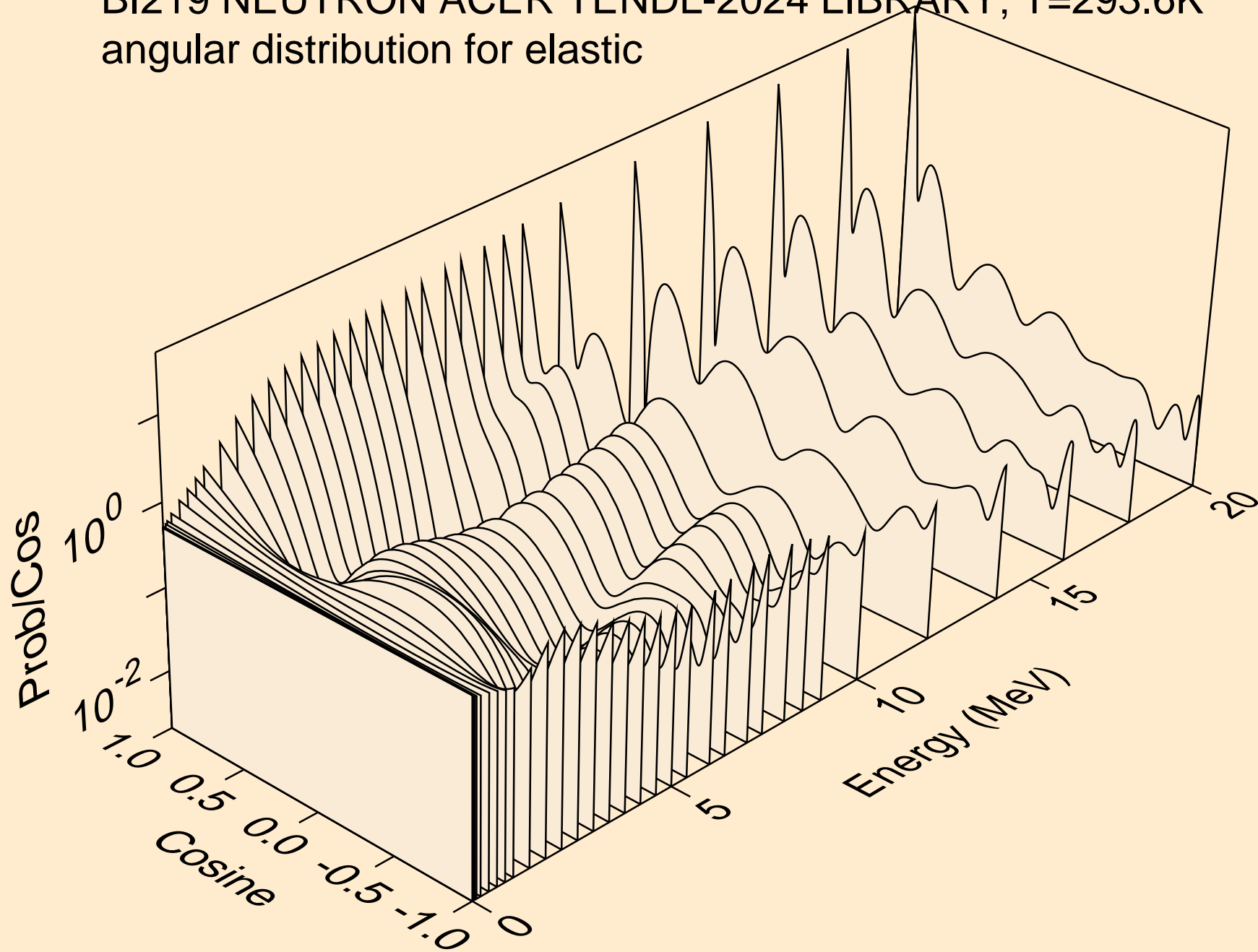
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



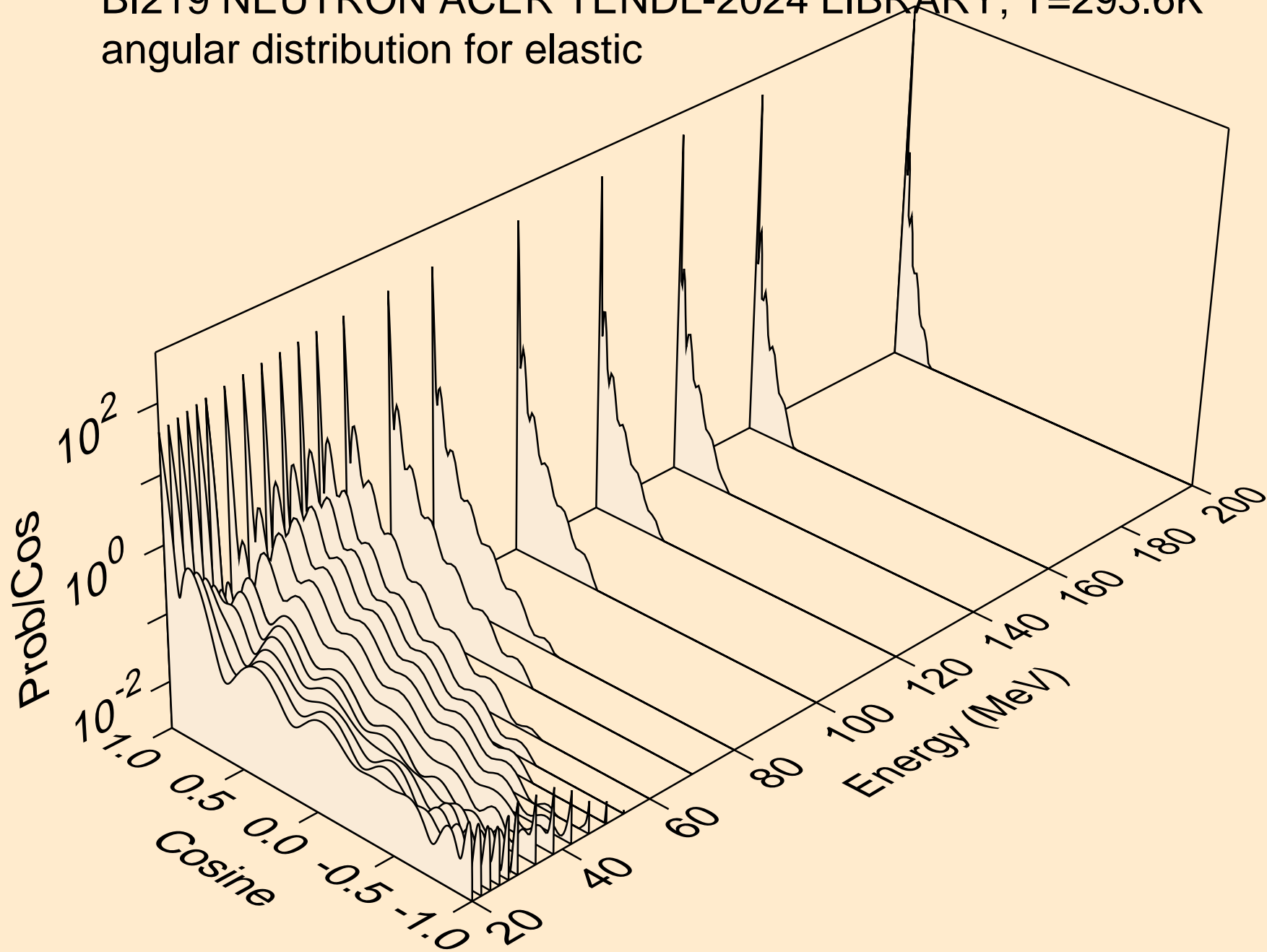
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



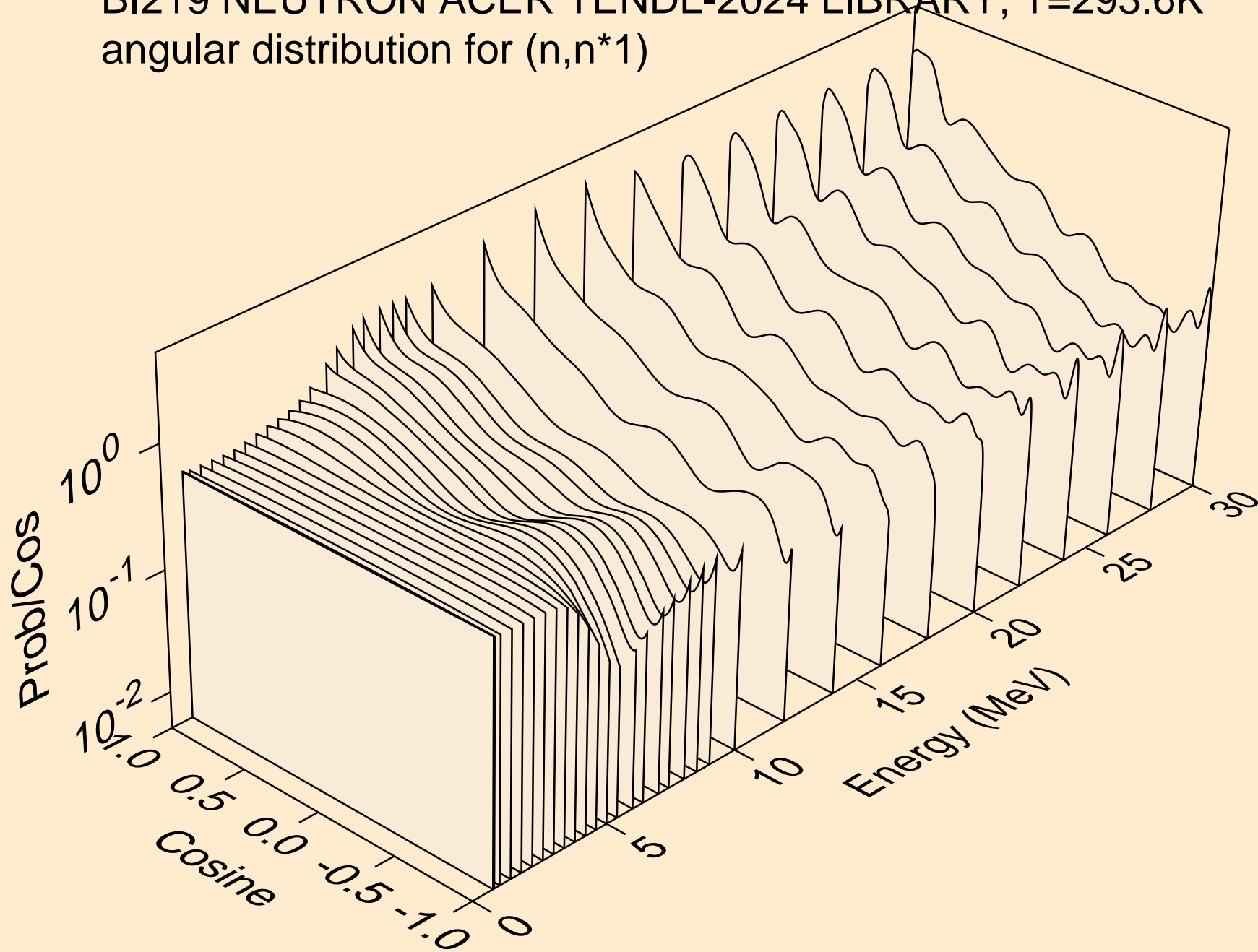
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic



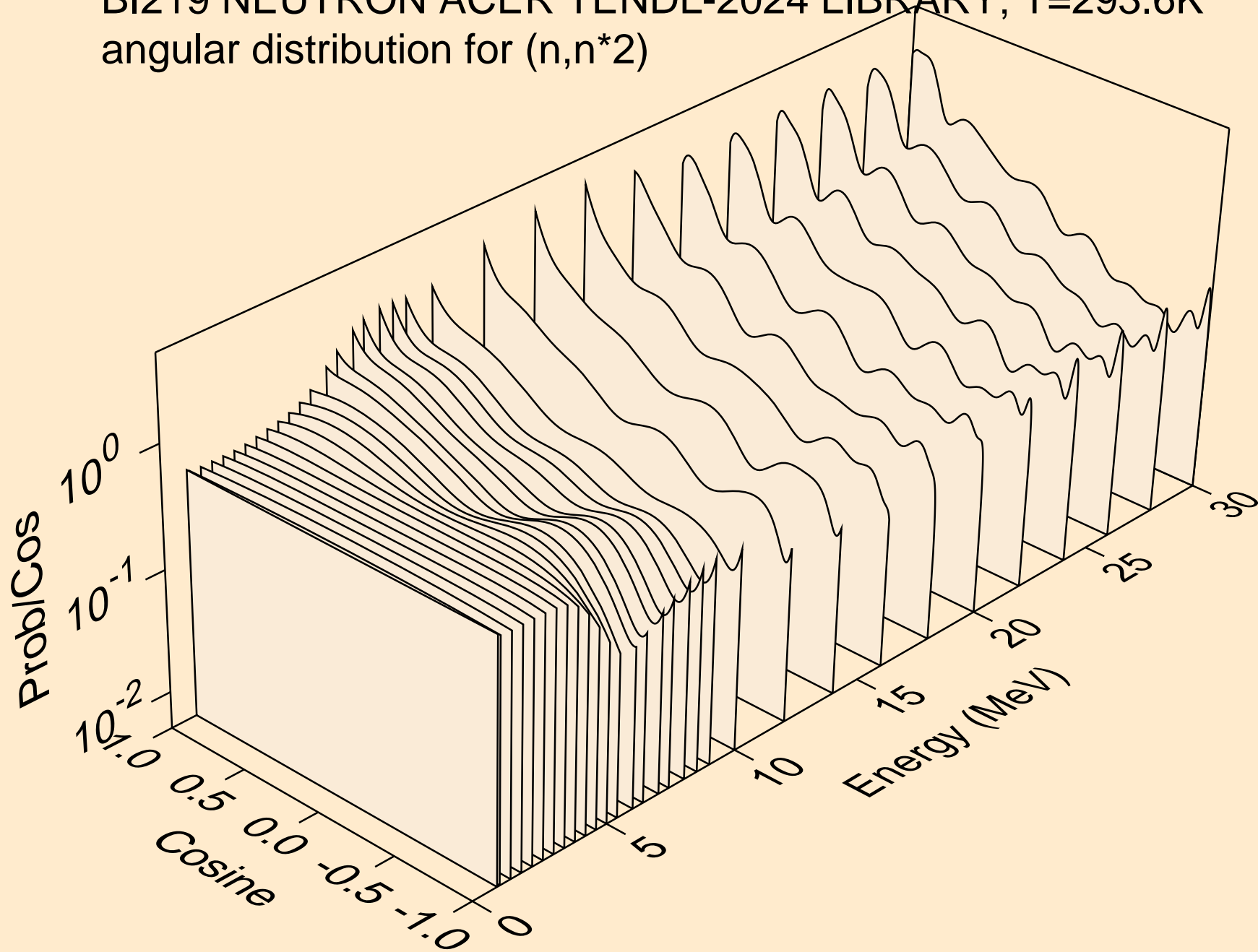
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic



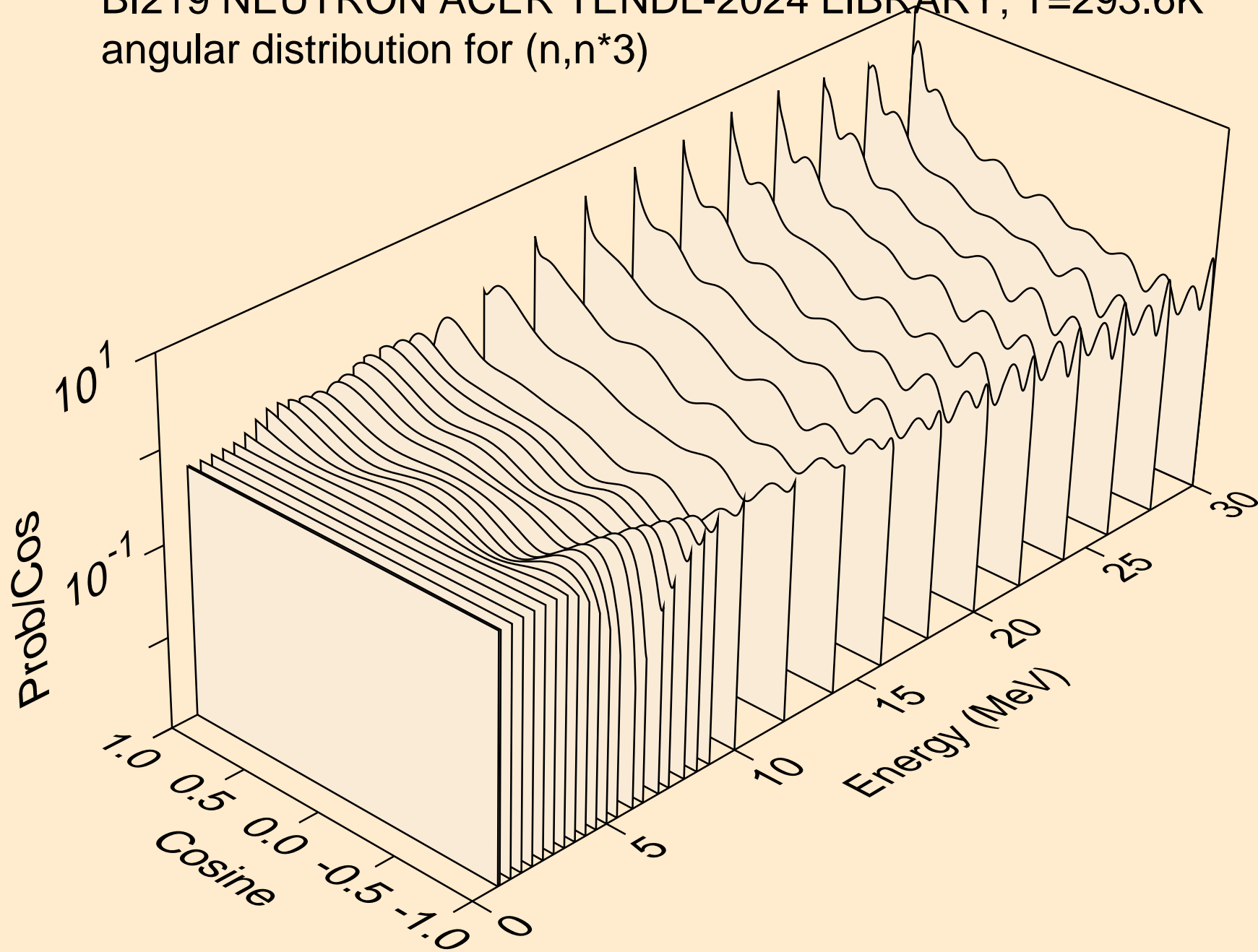
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



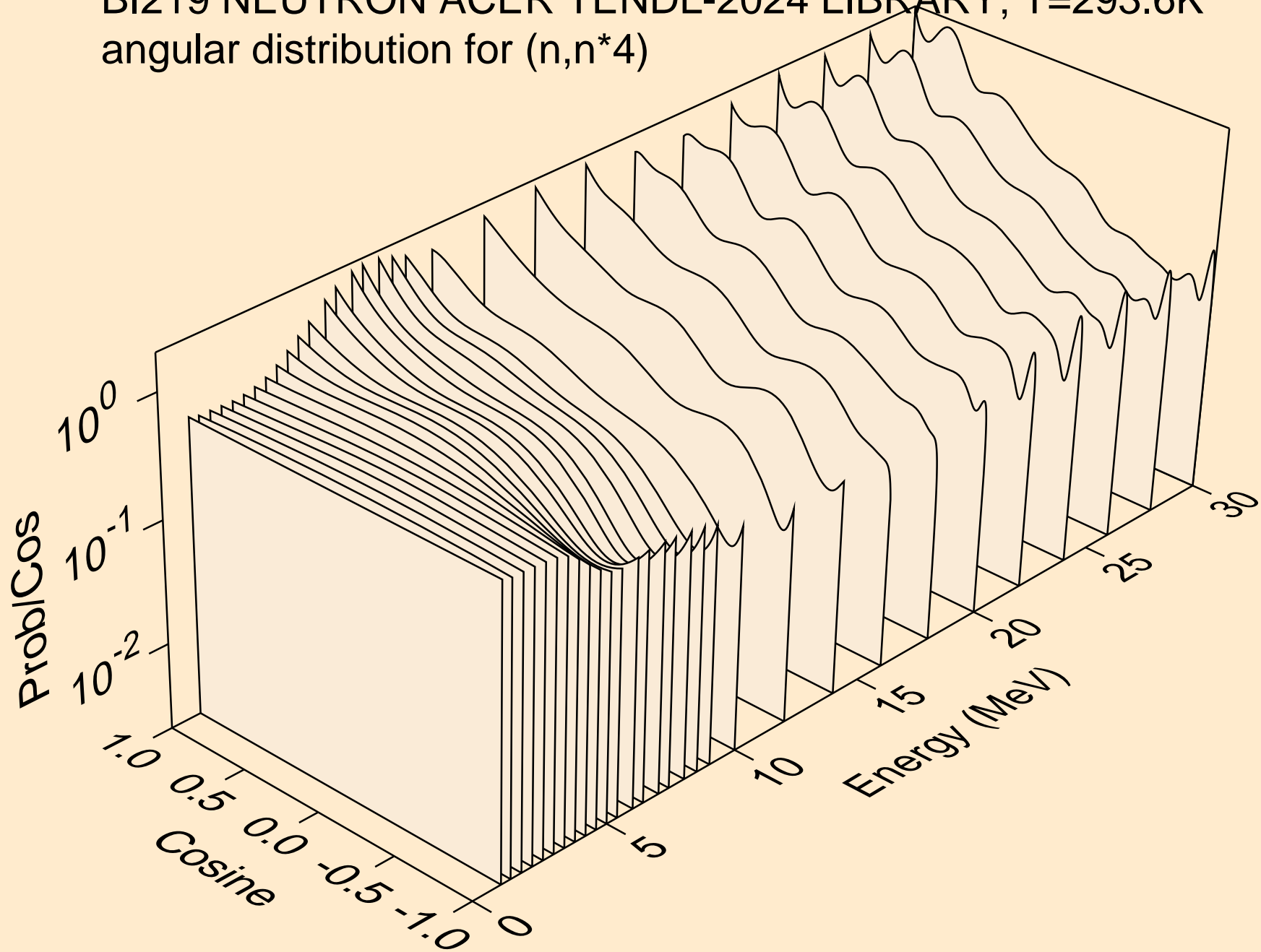
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



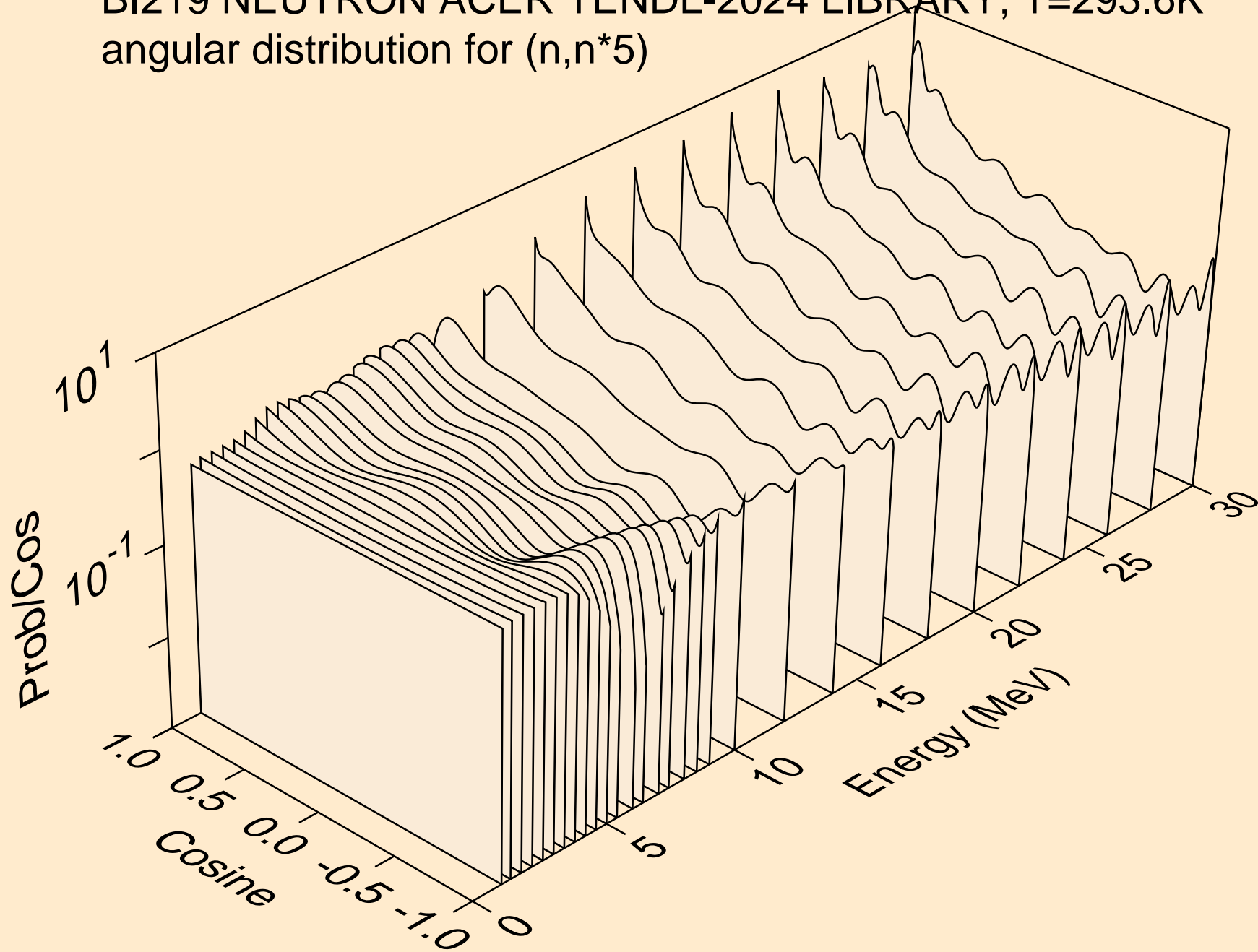
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)



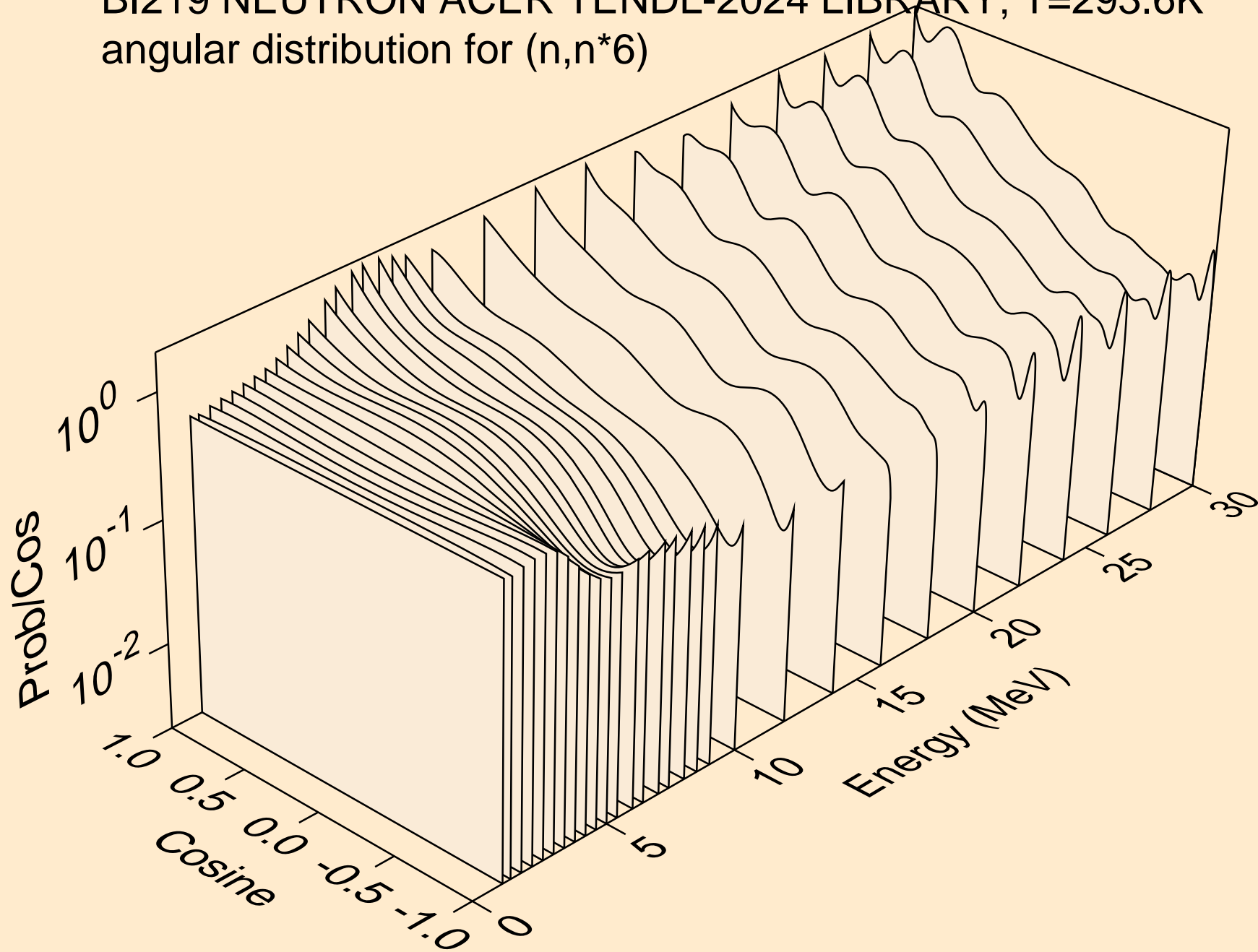
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*4)



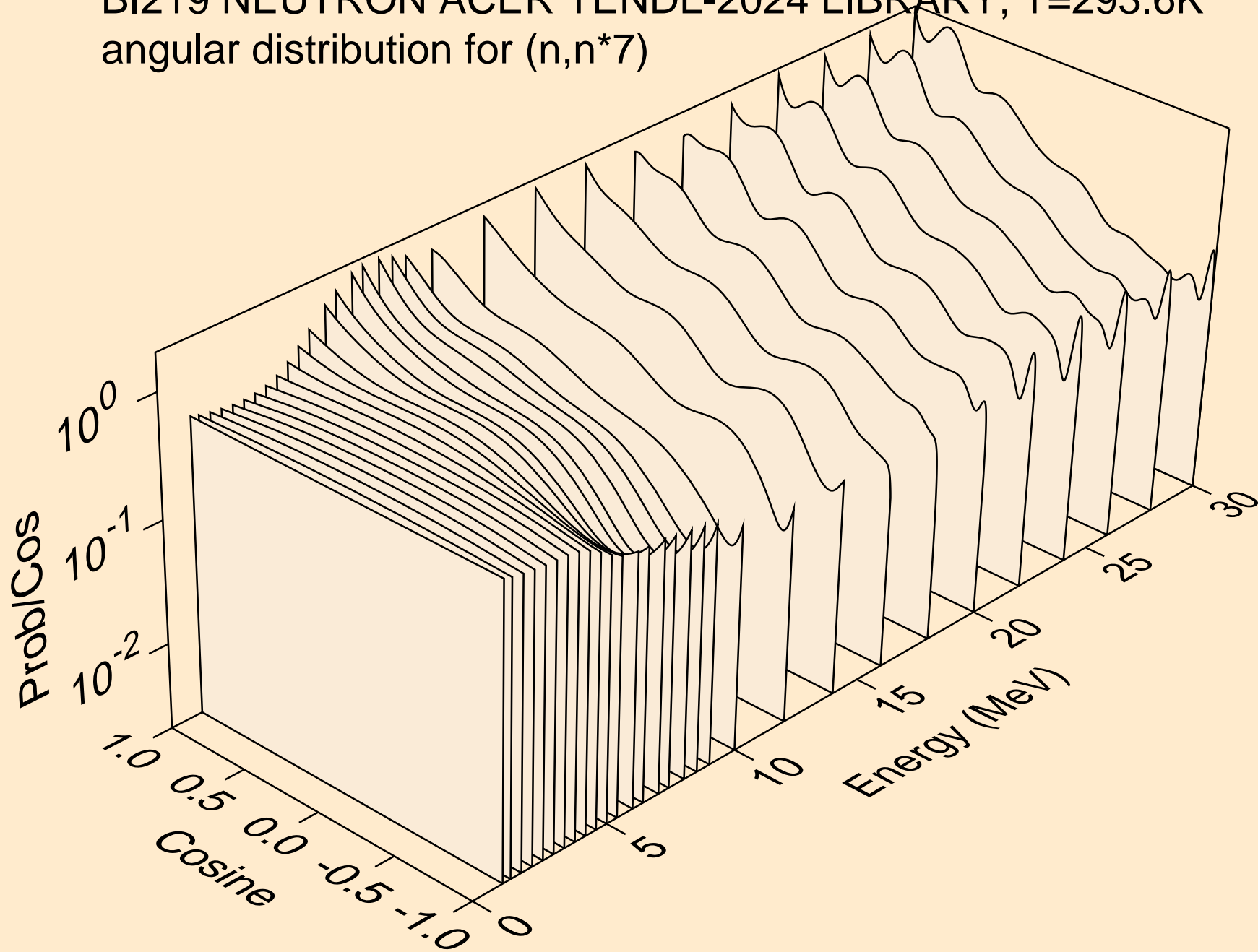
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)



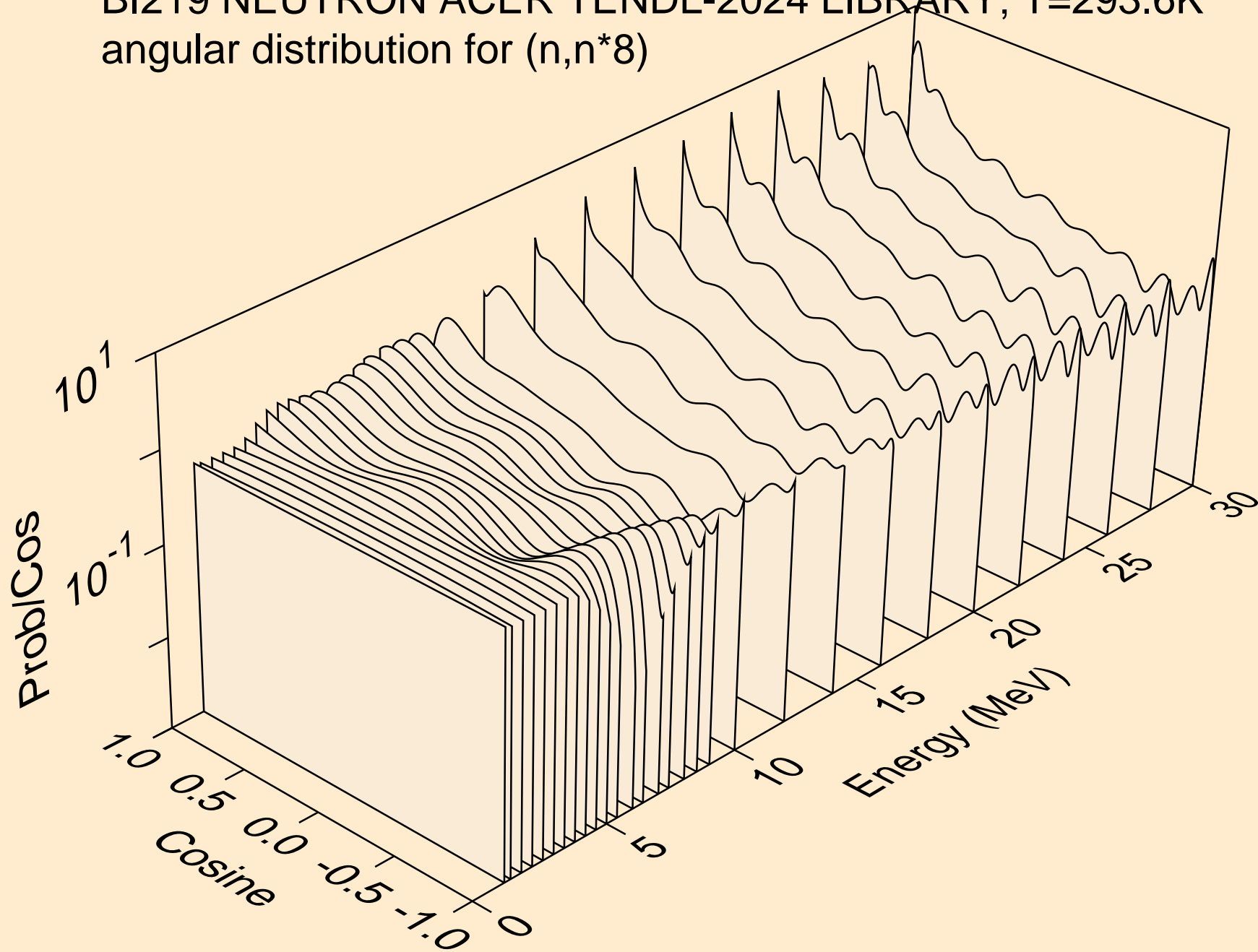
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)



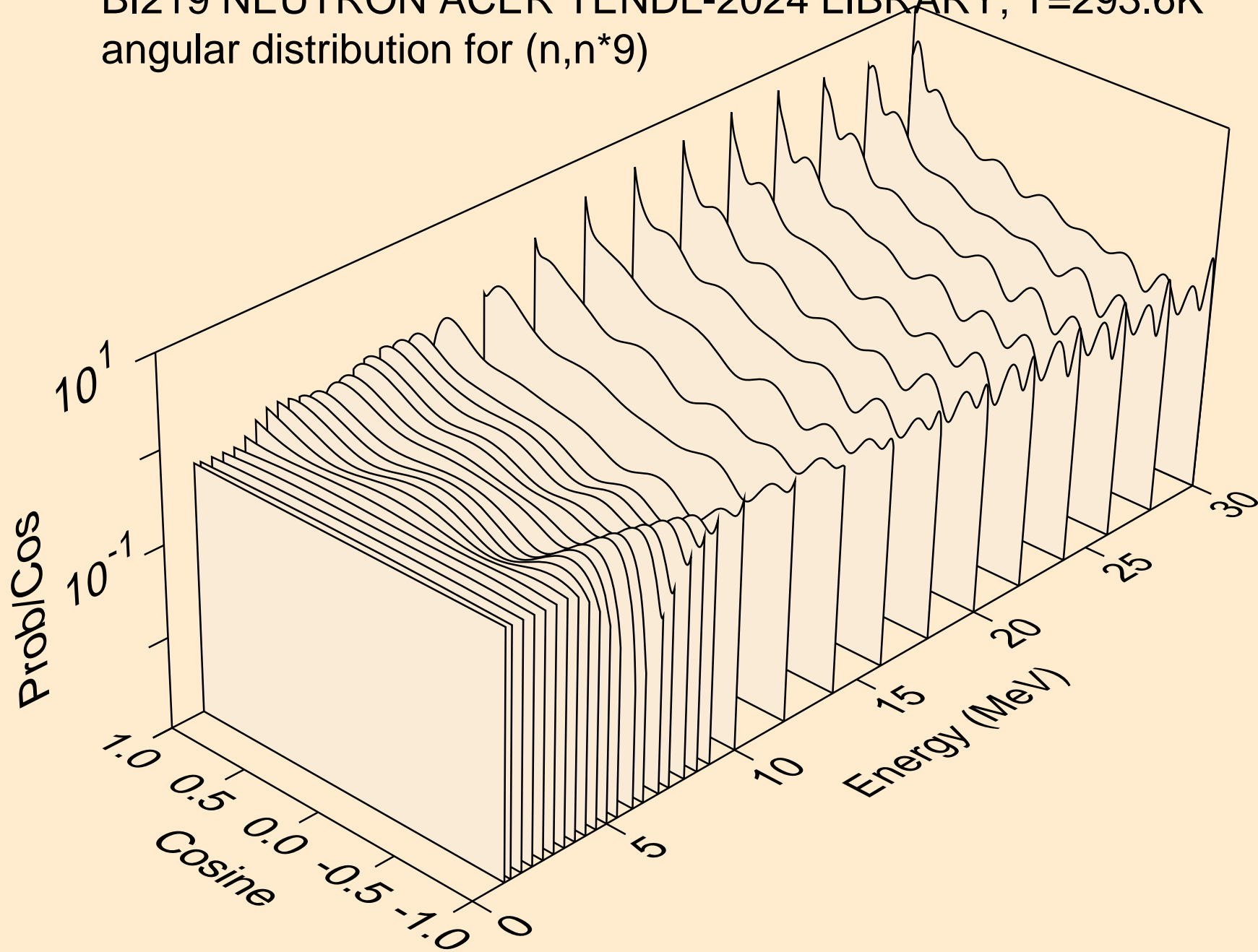
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)



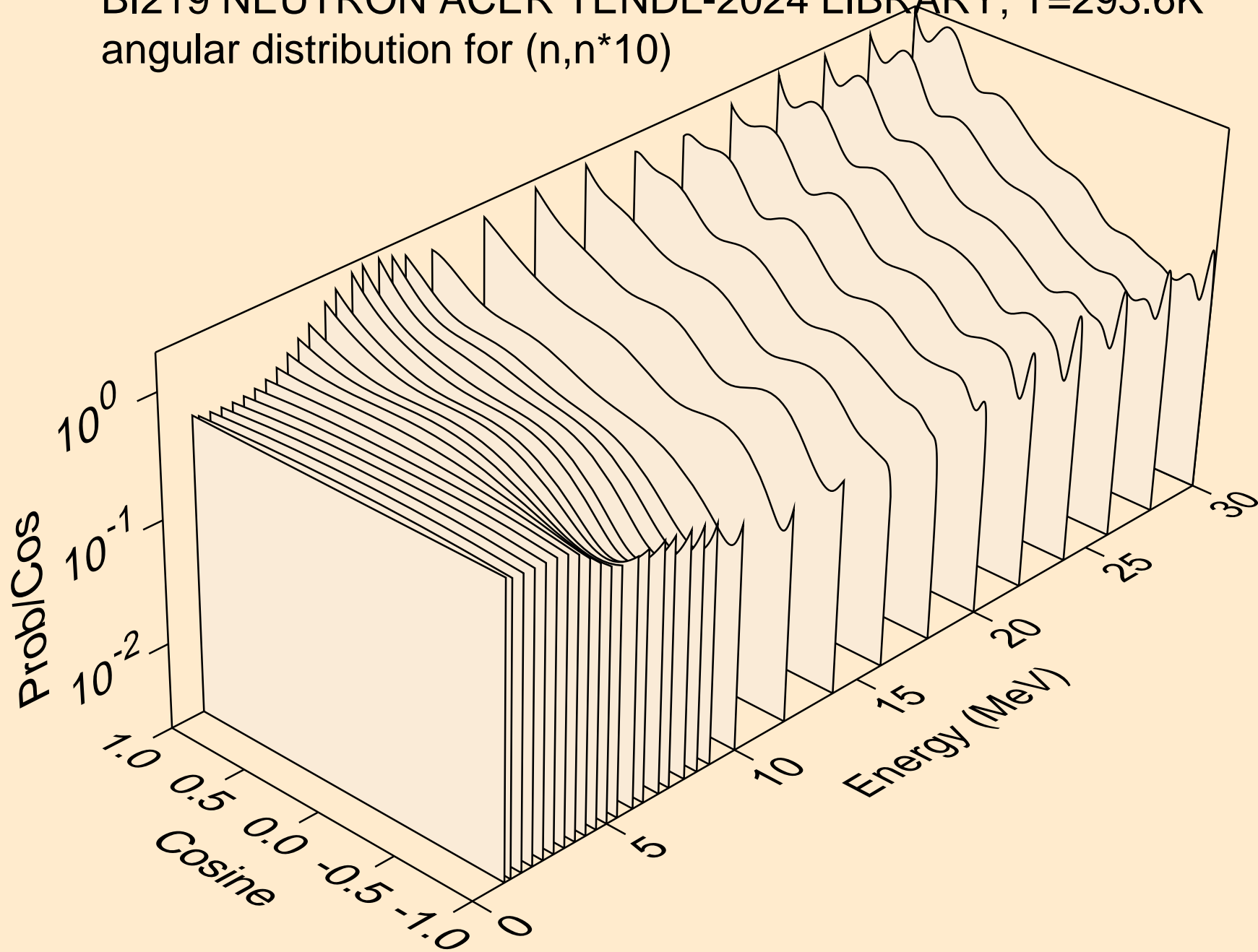
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)



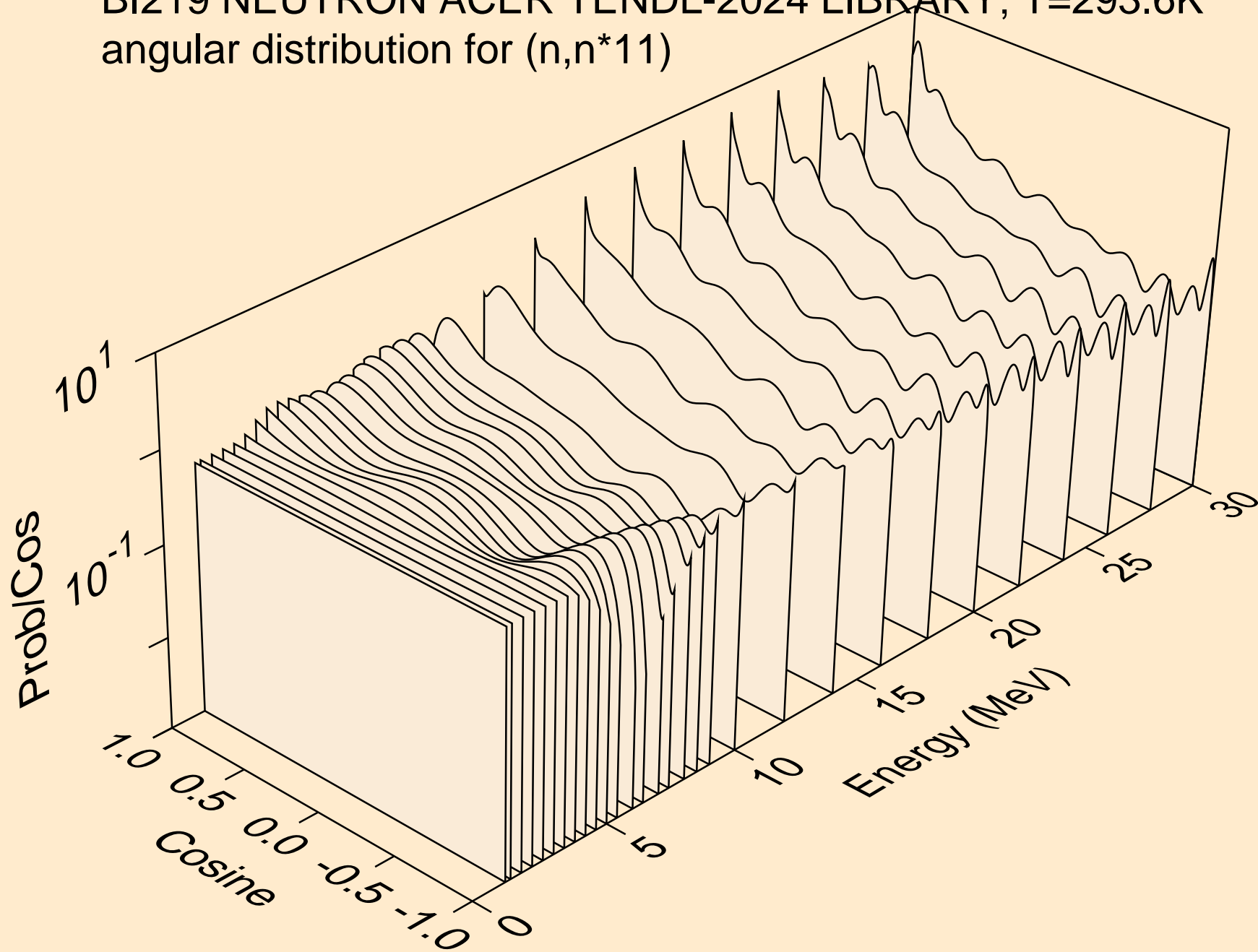
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)



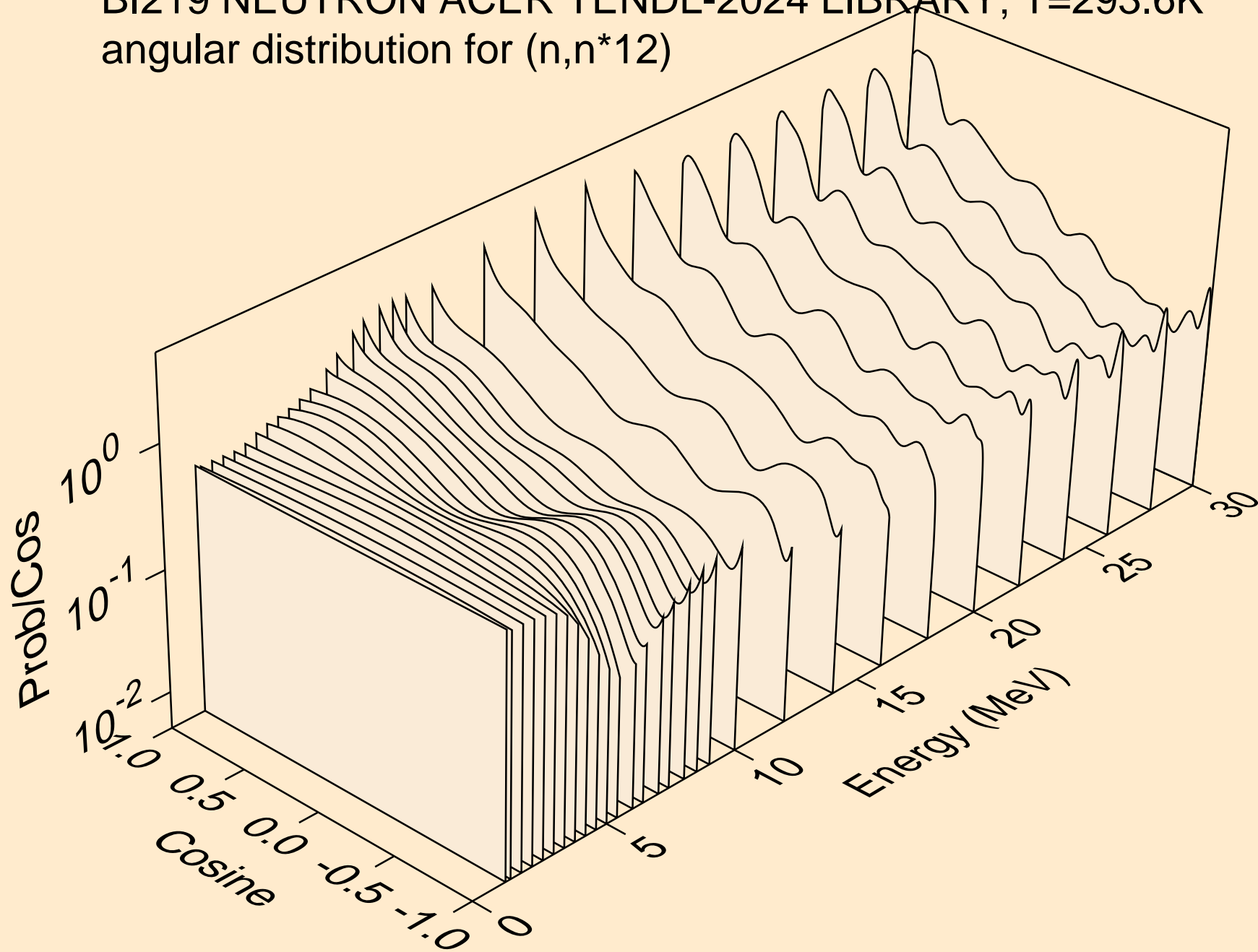
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*10)



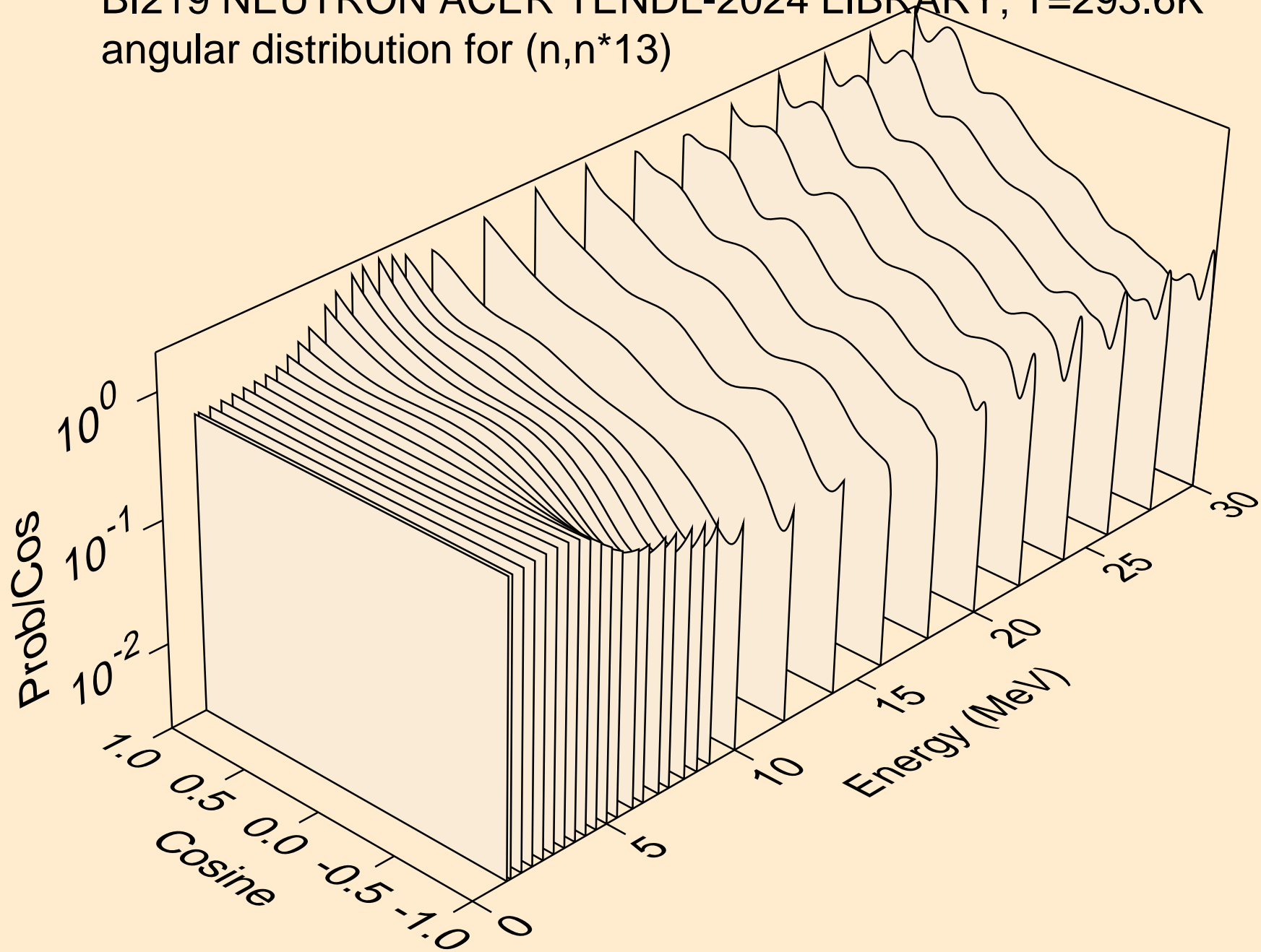
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*11)



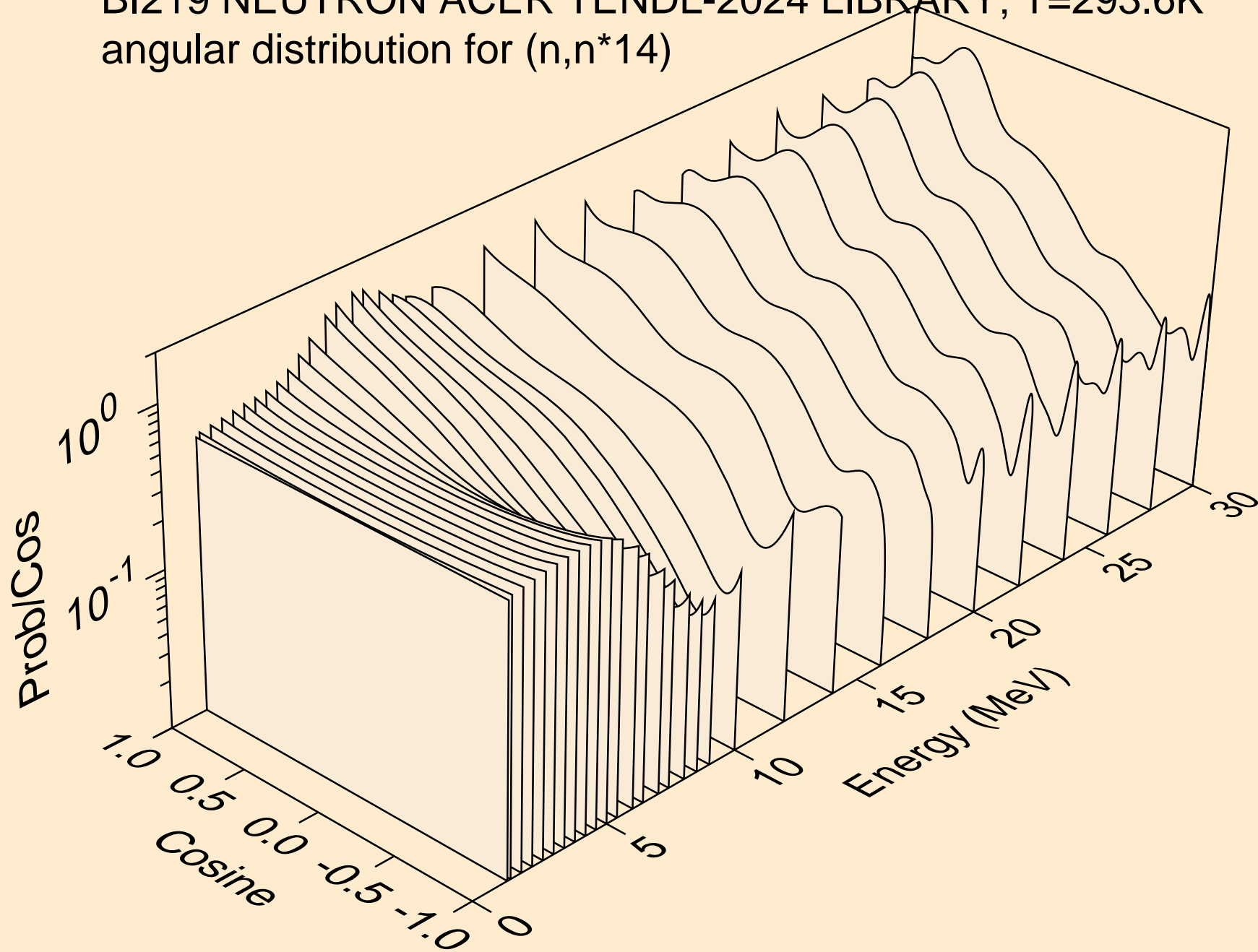
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*12)



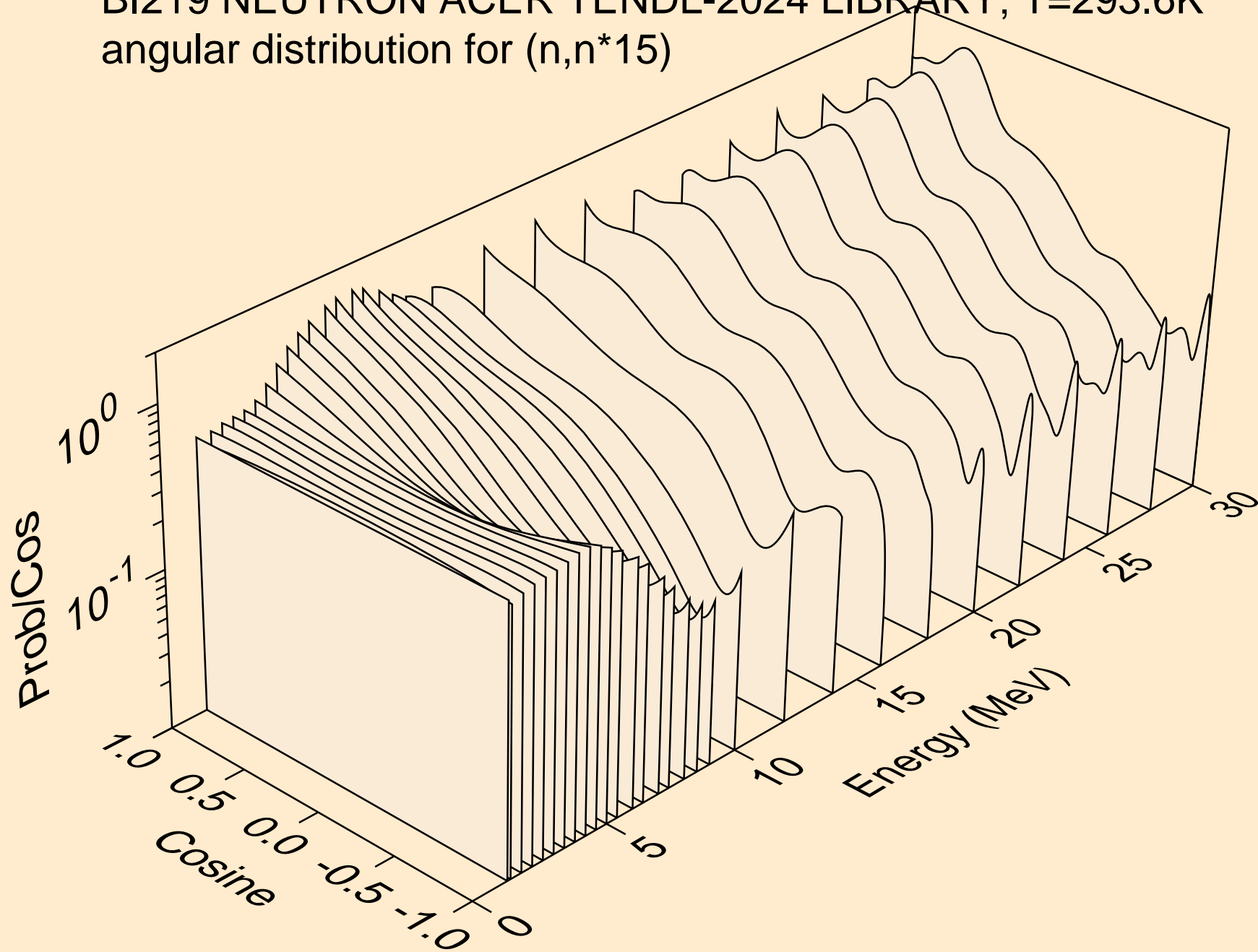
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*13)



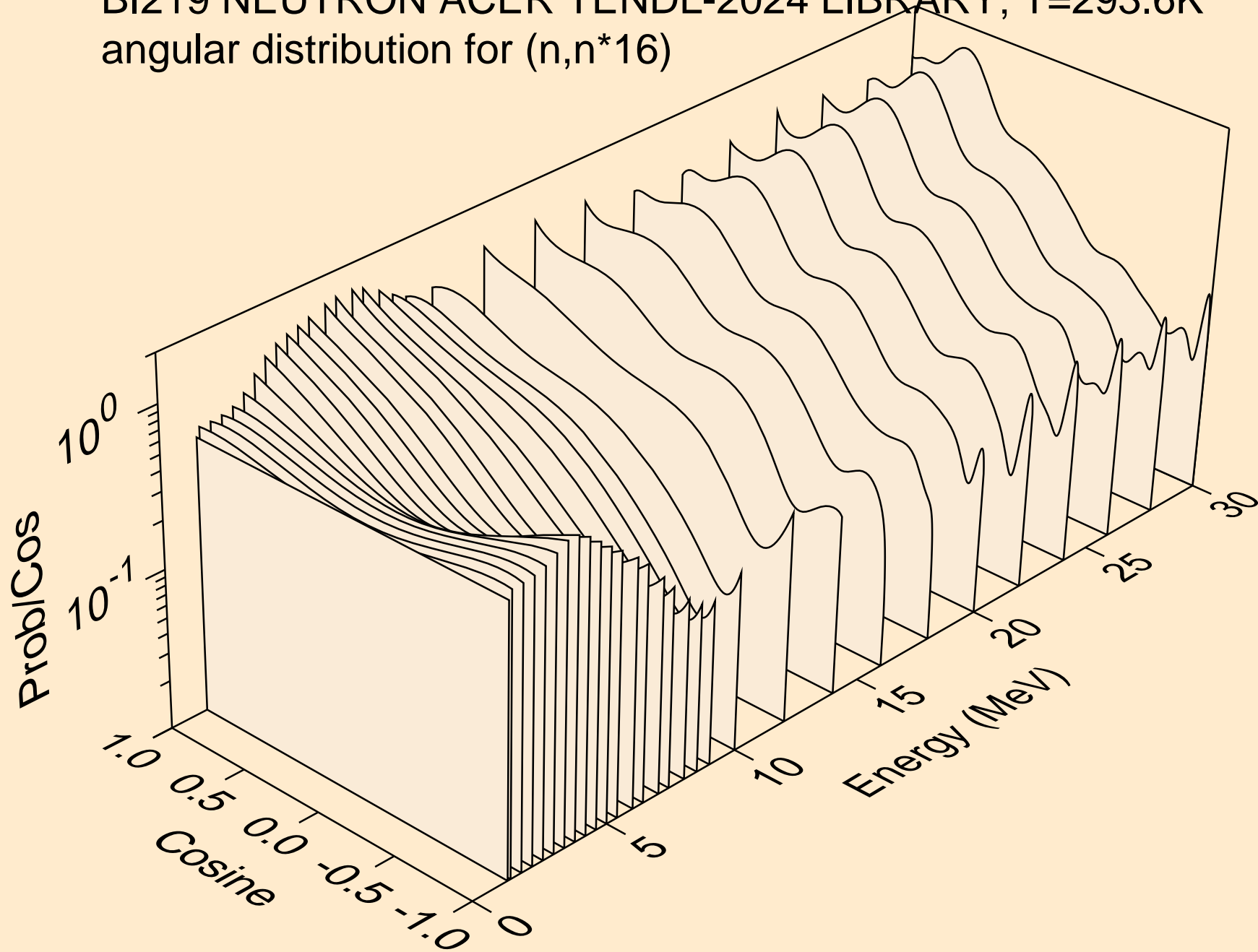
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*14)



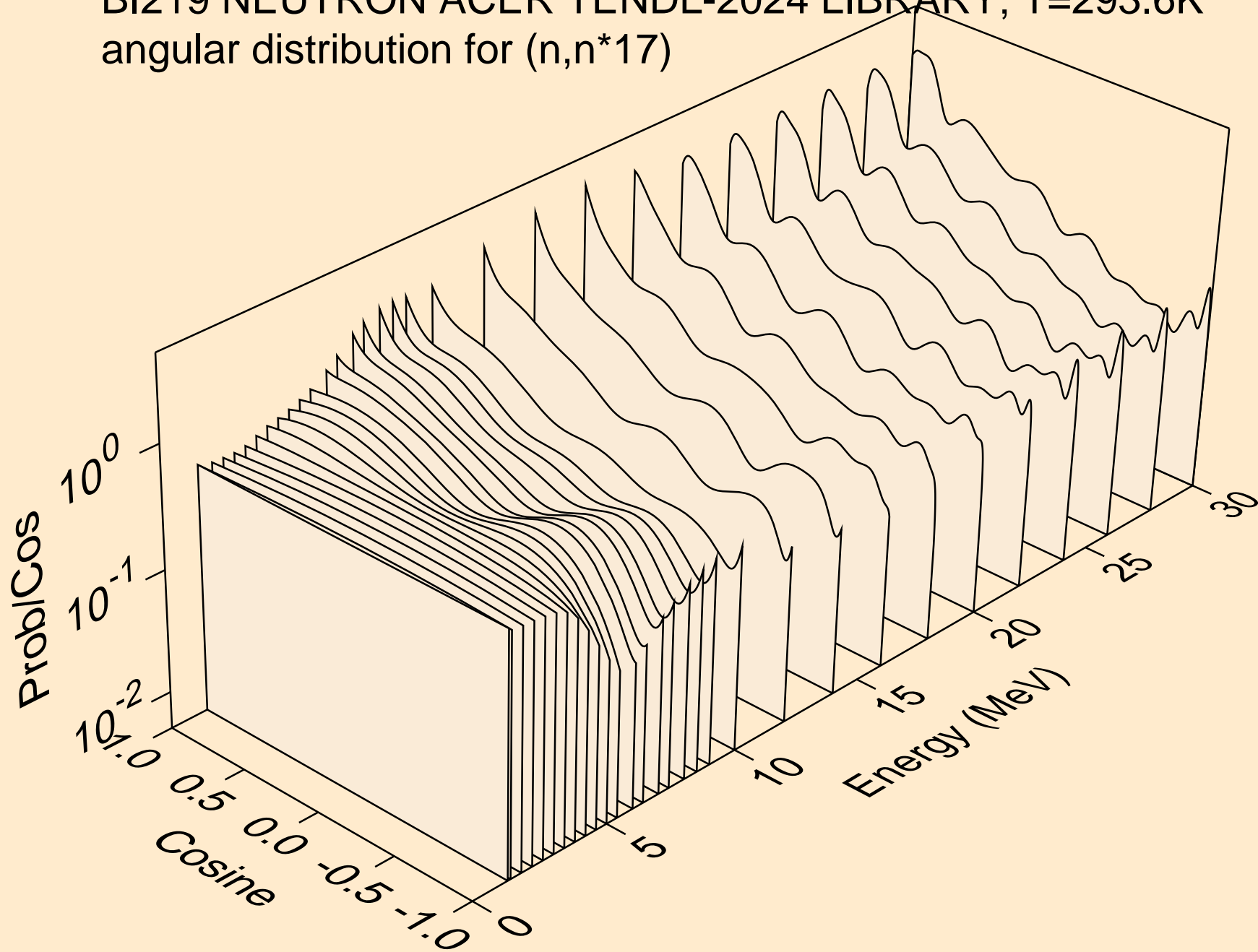
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*15)



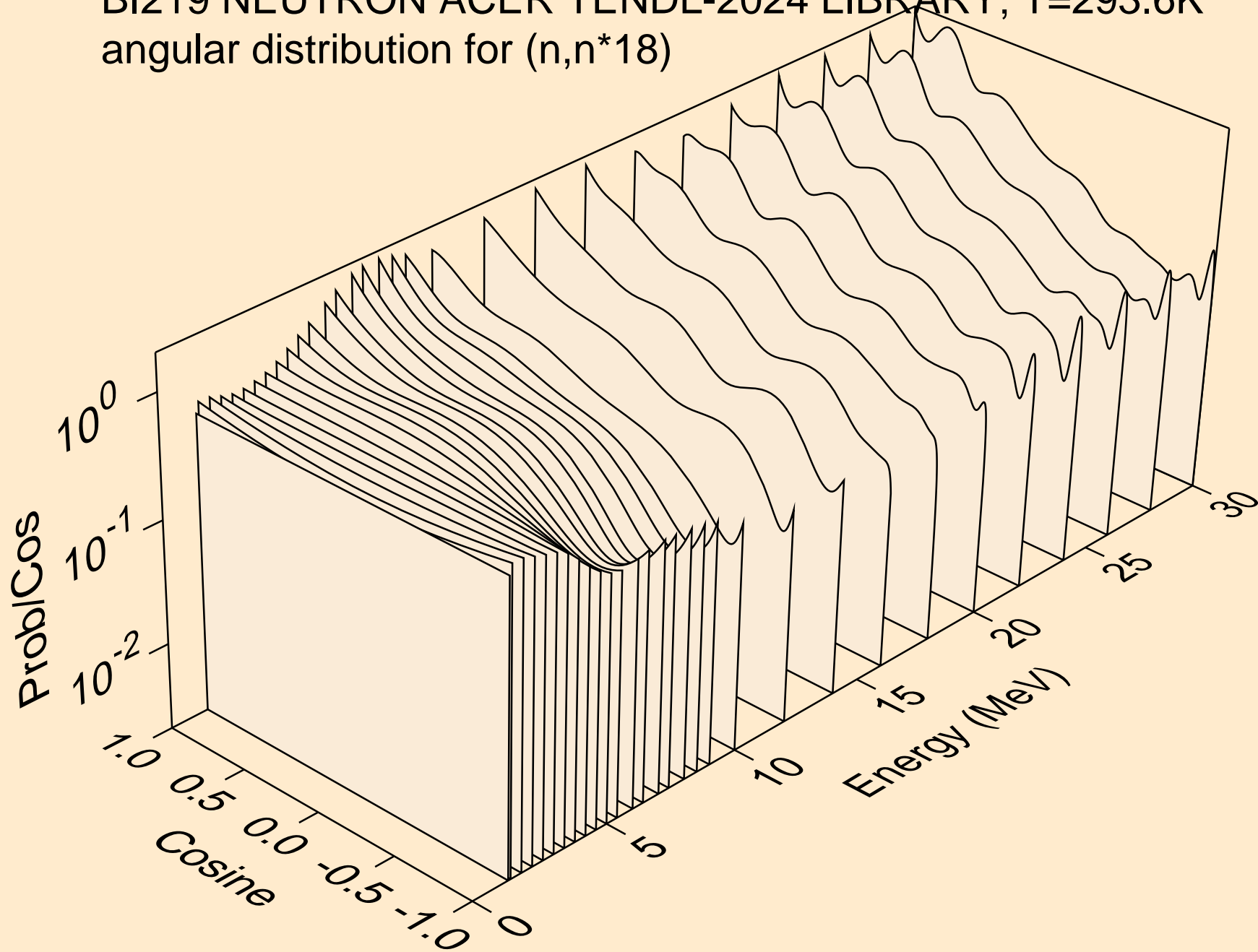
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*16)



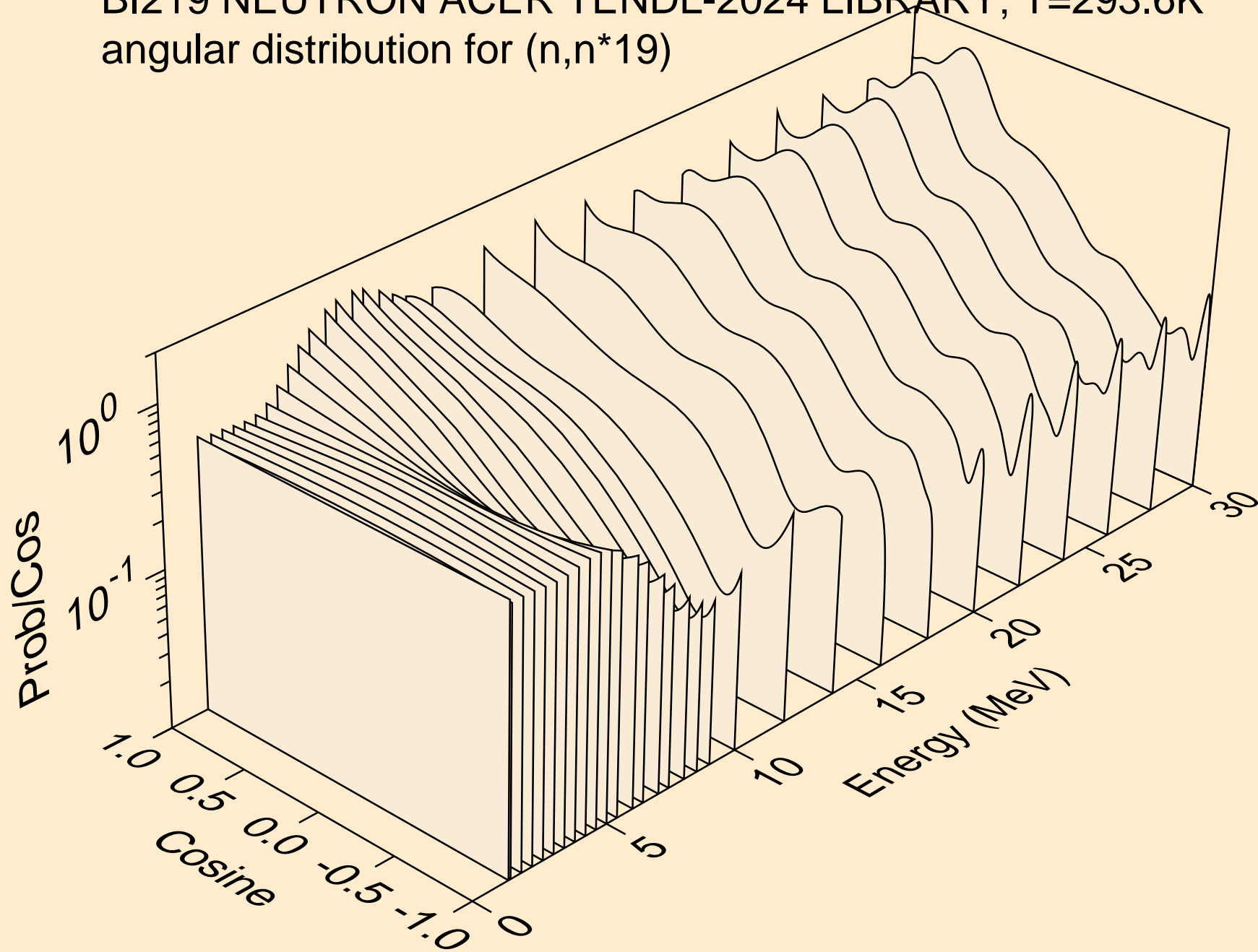
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*17)



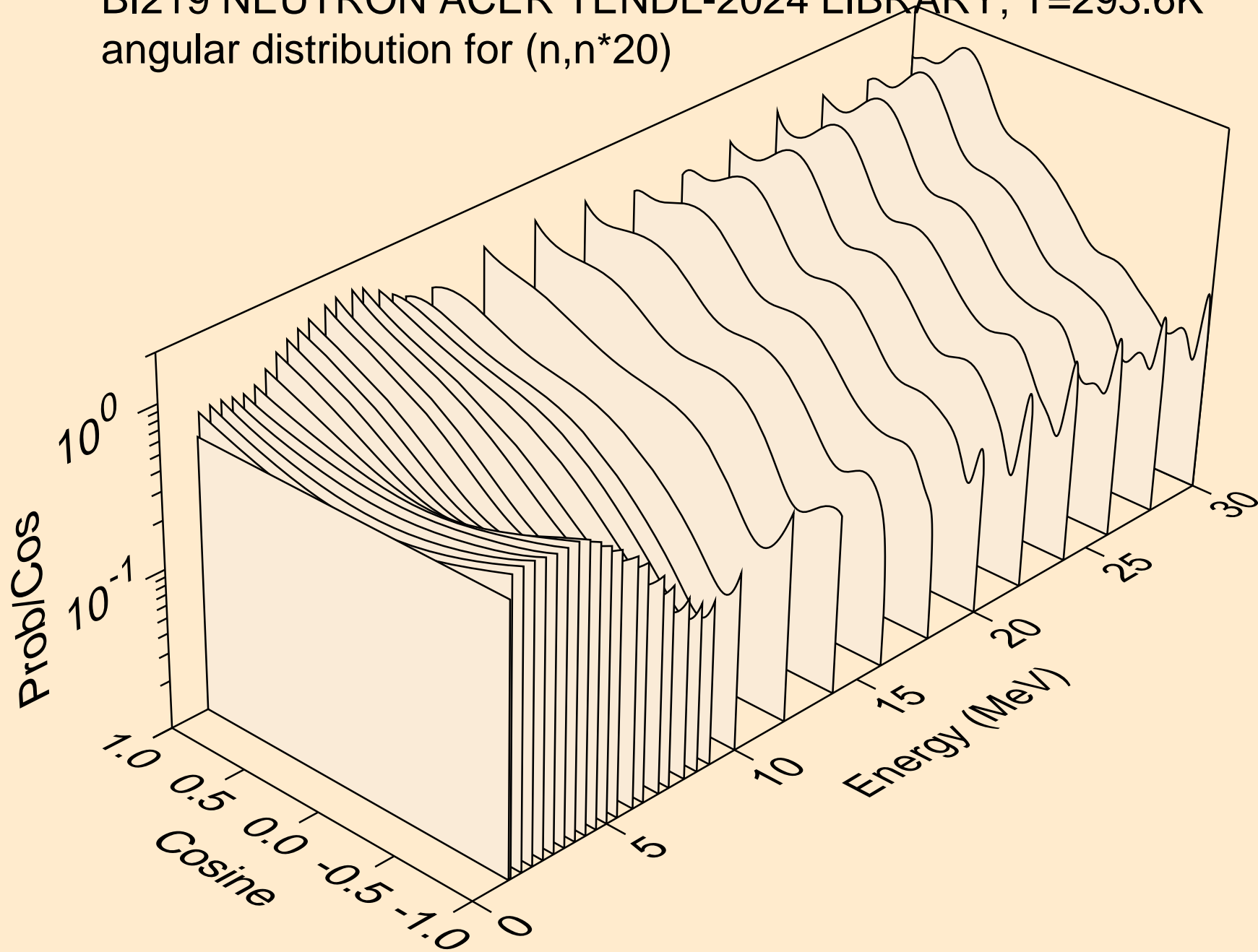
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*18)



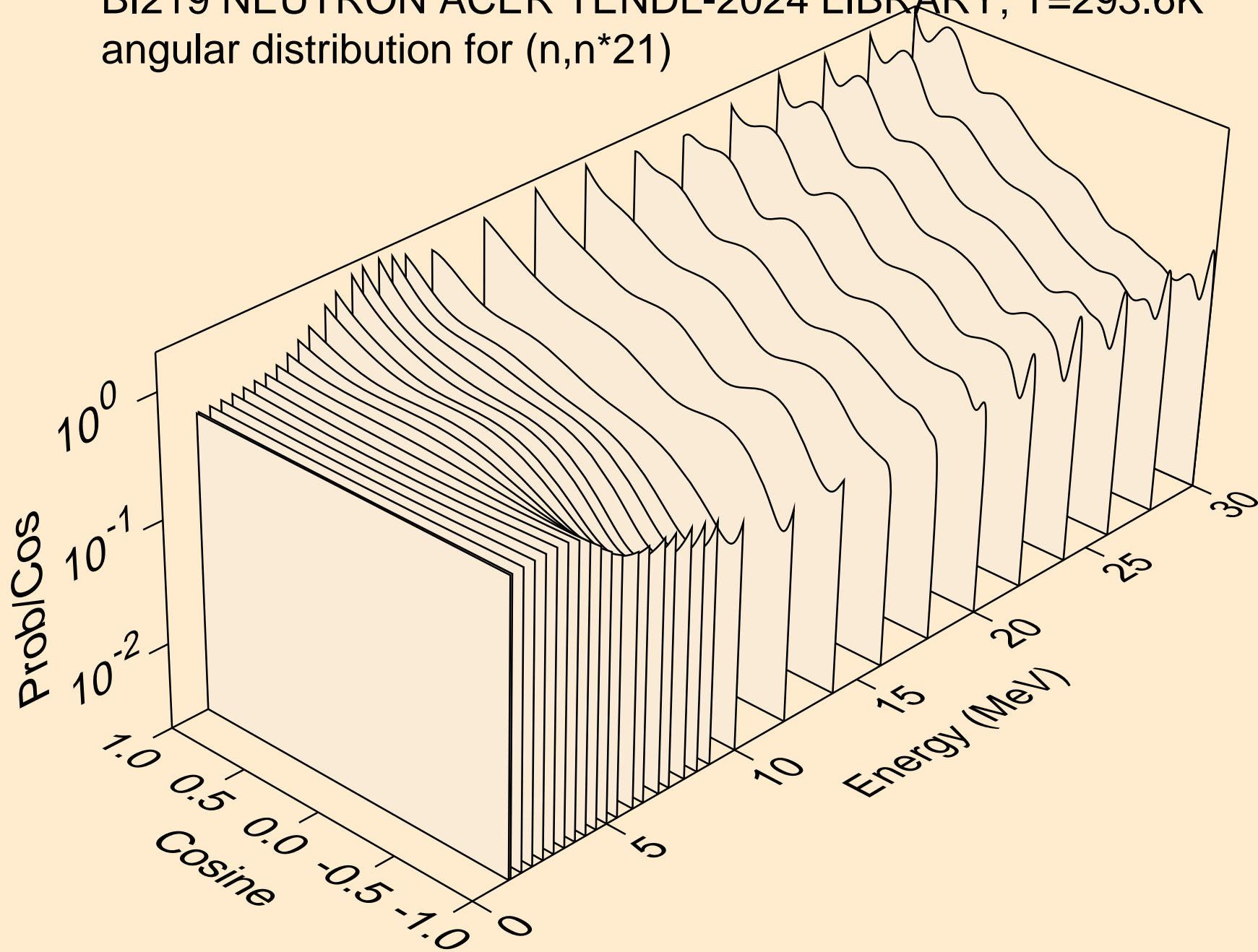
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*19)



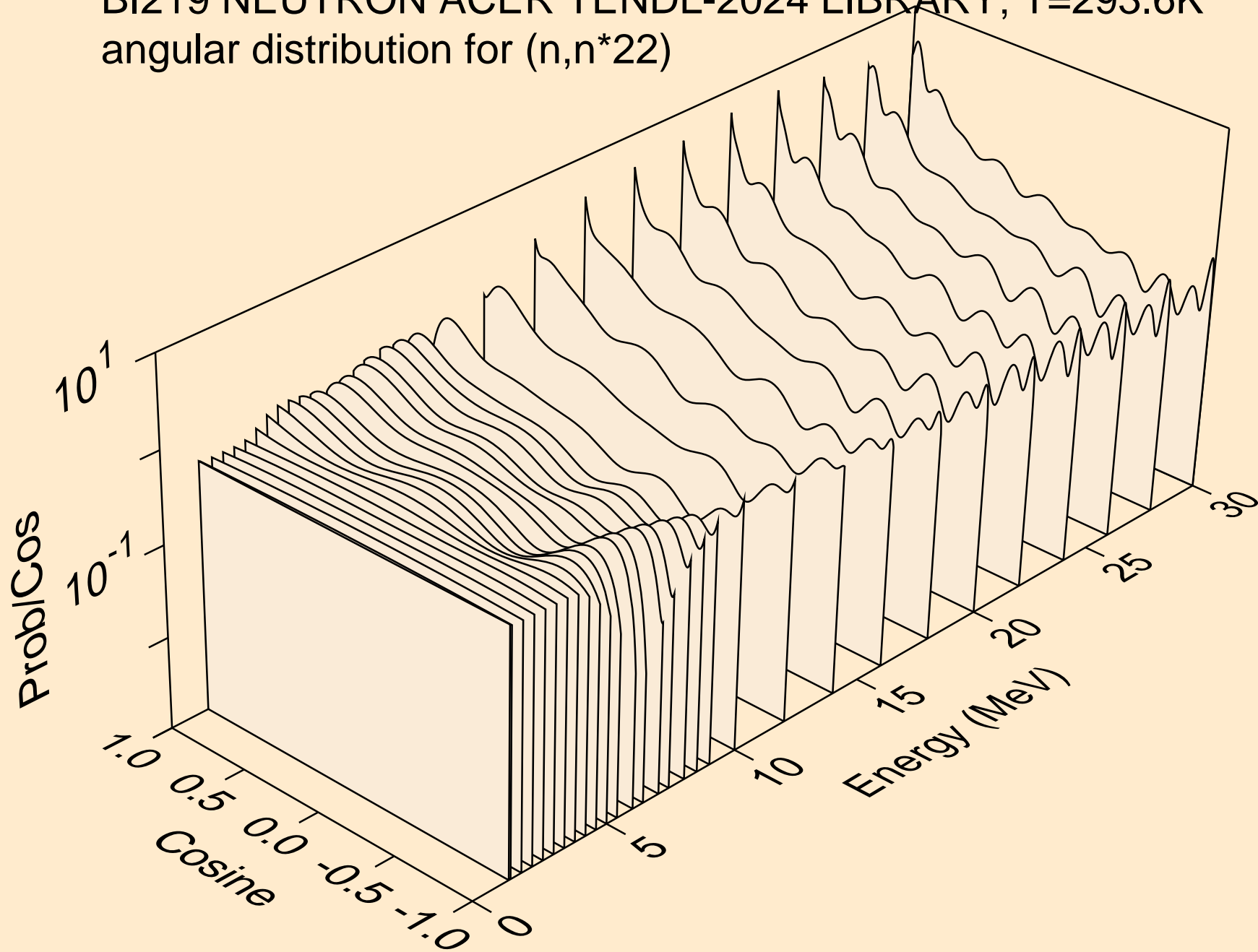
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*20)



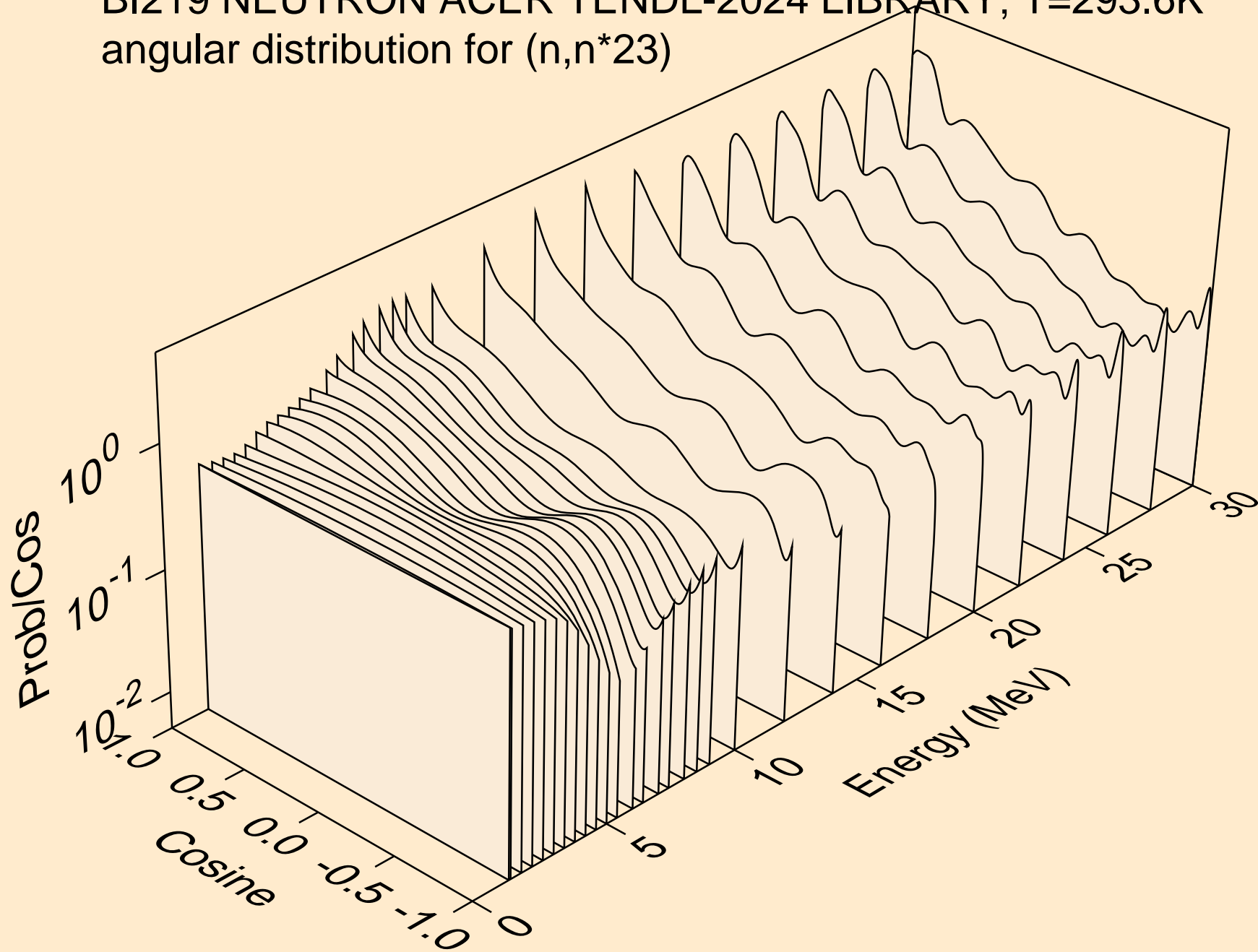
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*21)



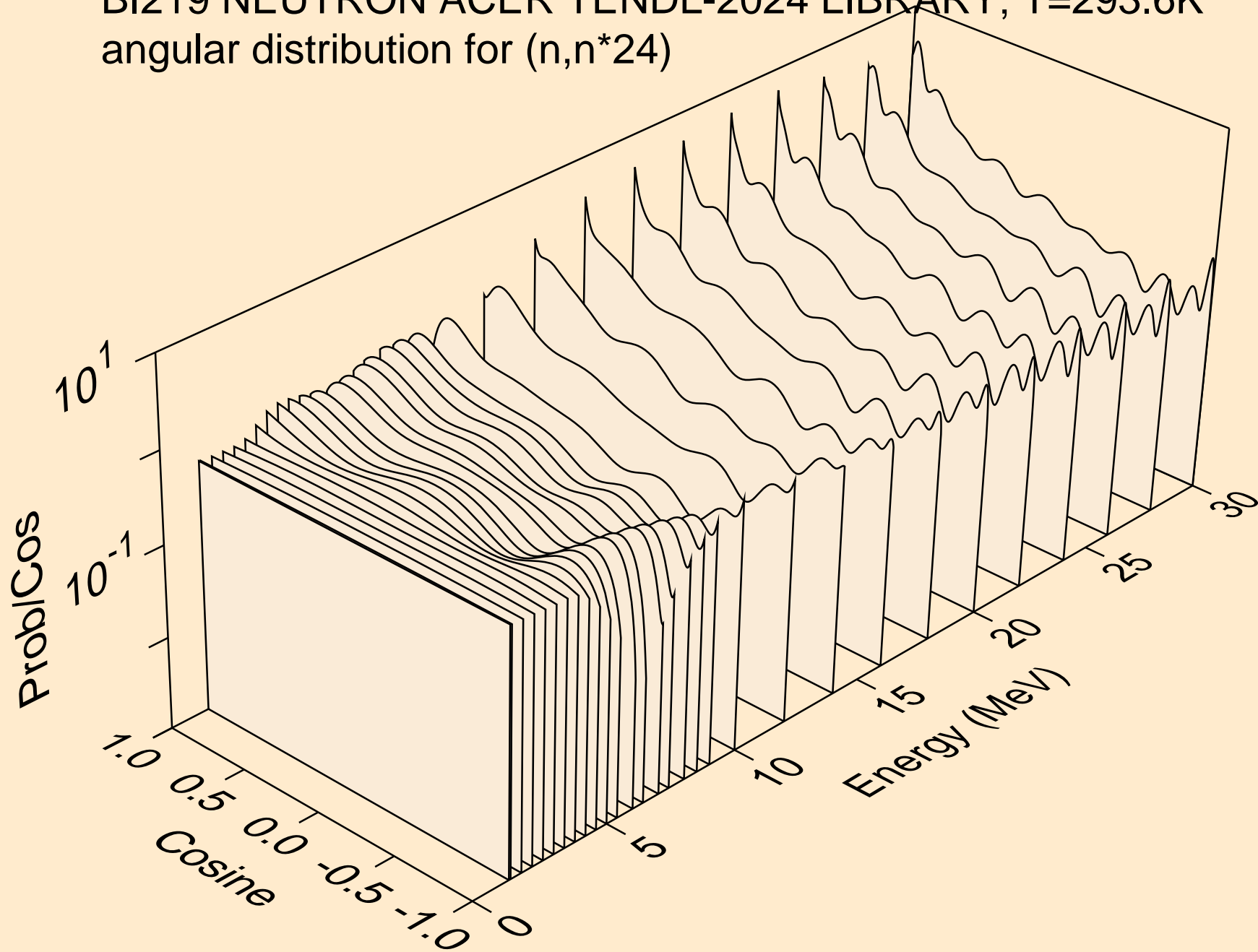
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*22)



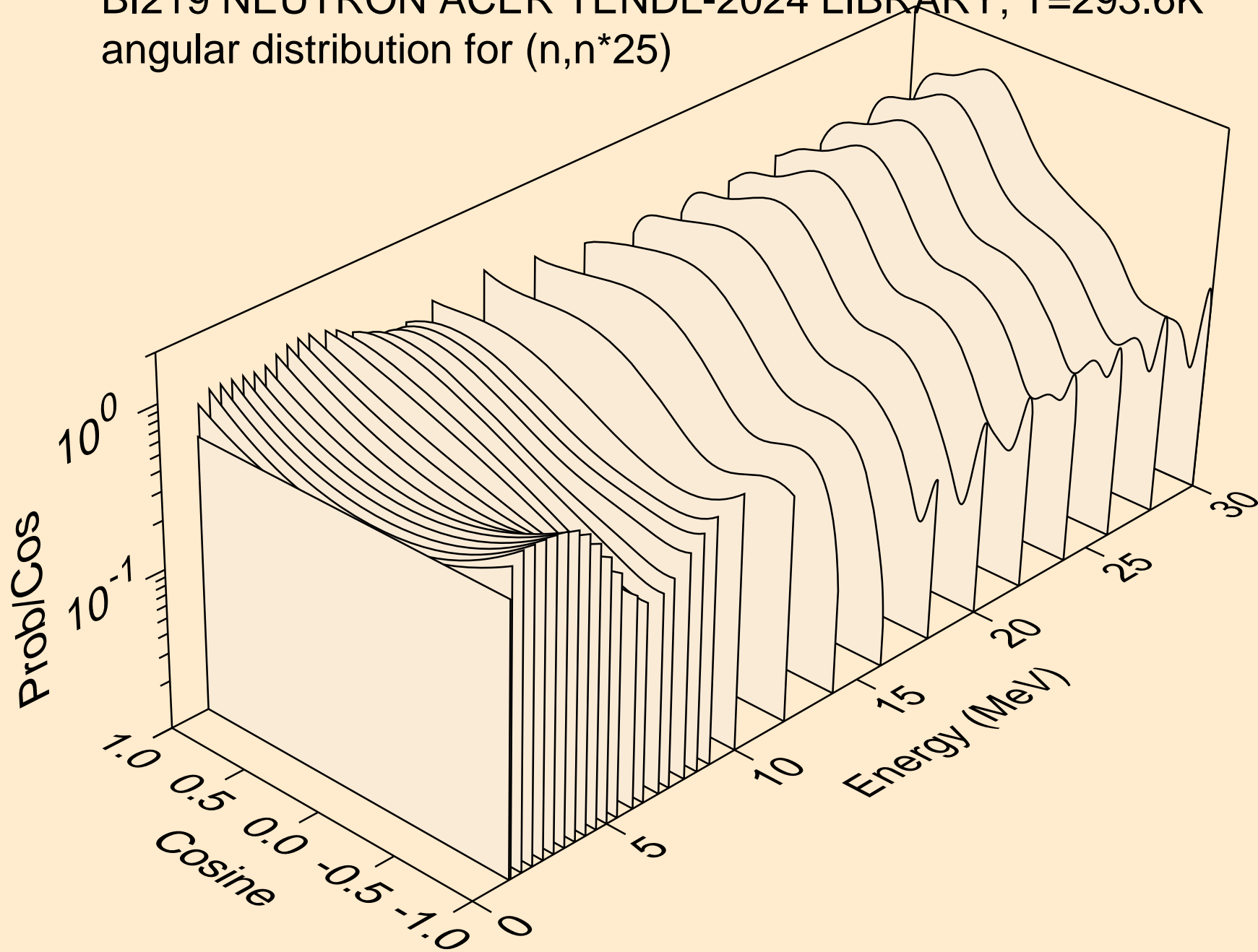
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*23)



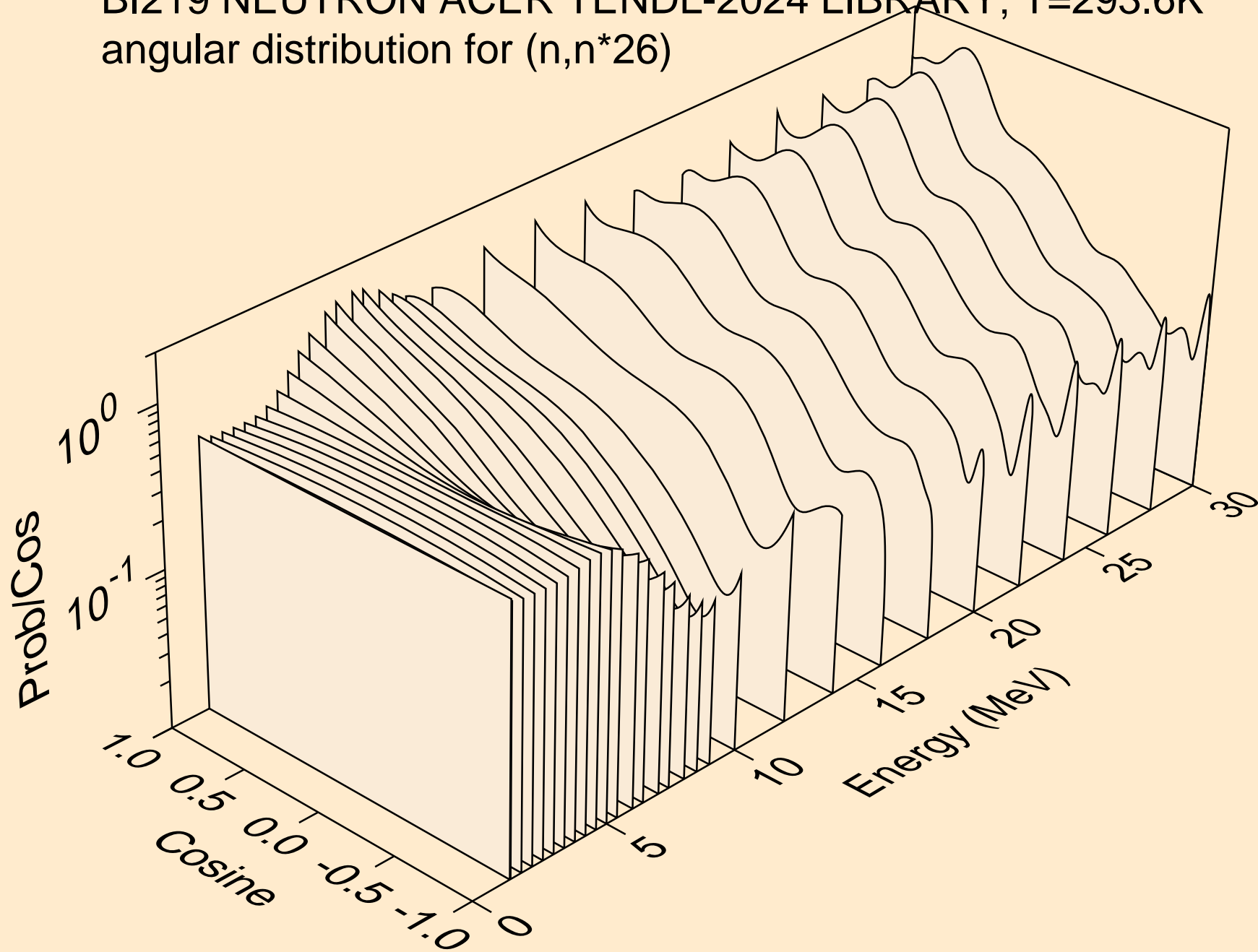
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*24)



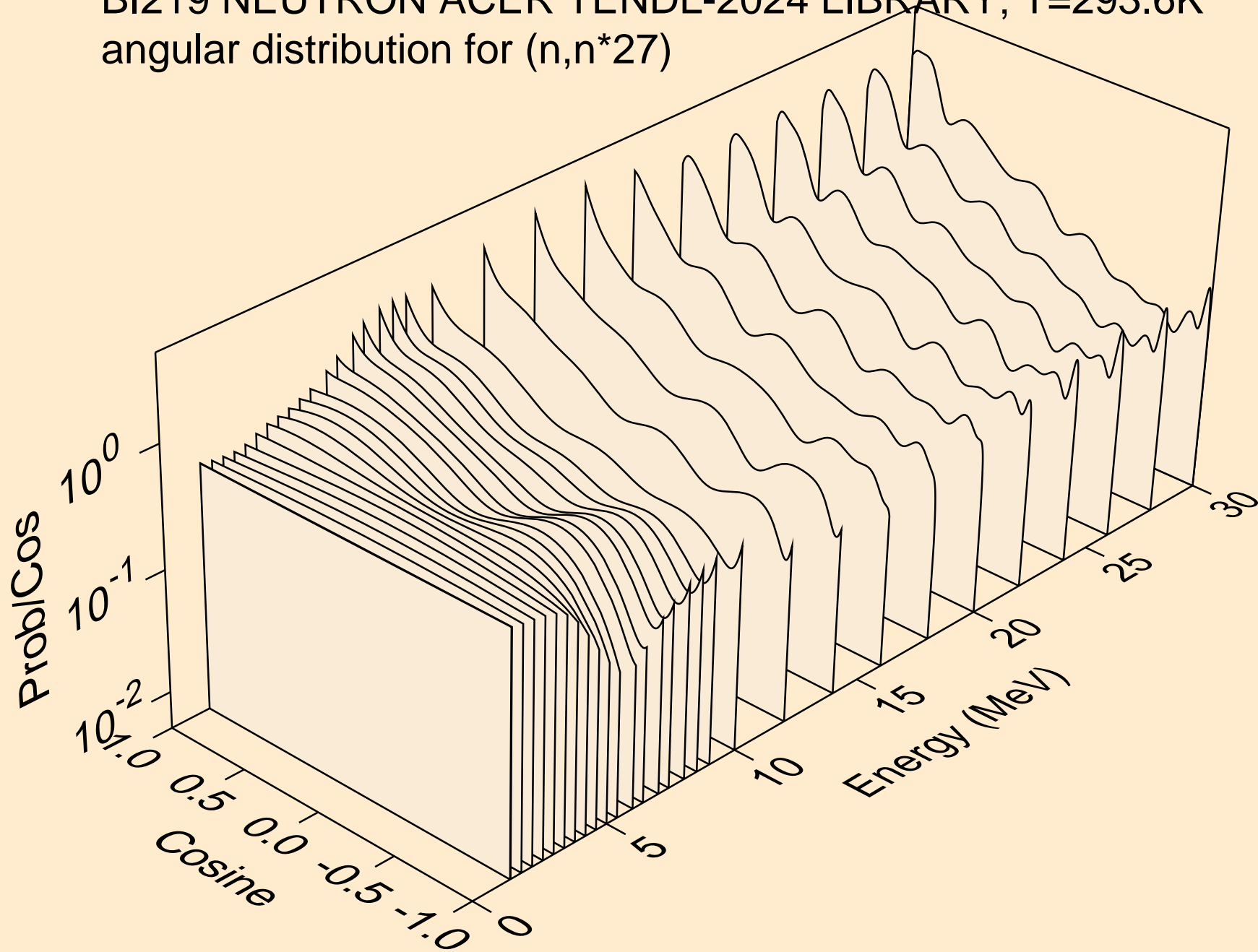
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*25)



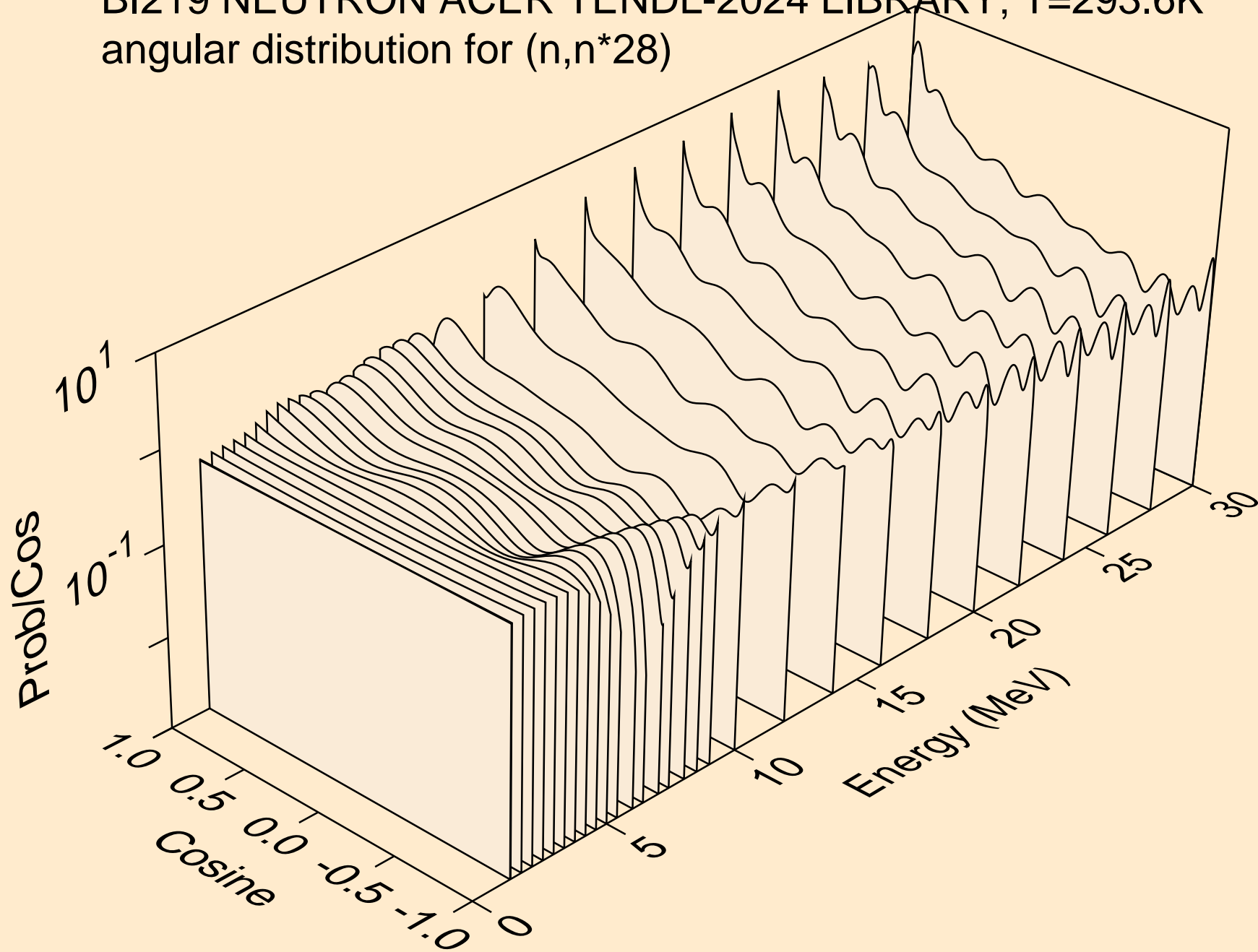
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*26)



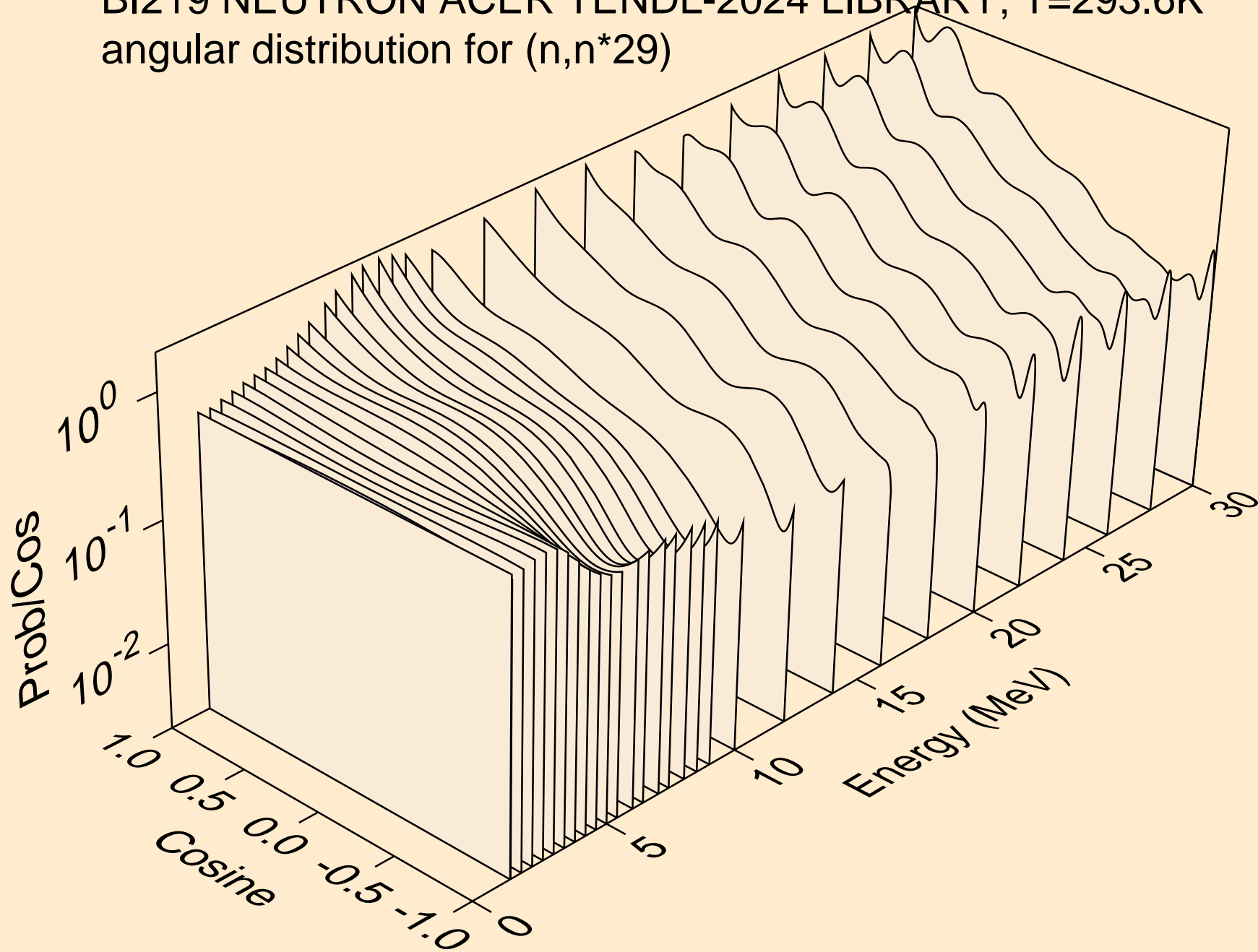
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*27)



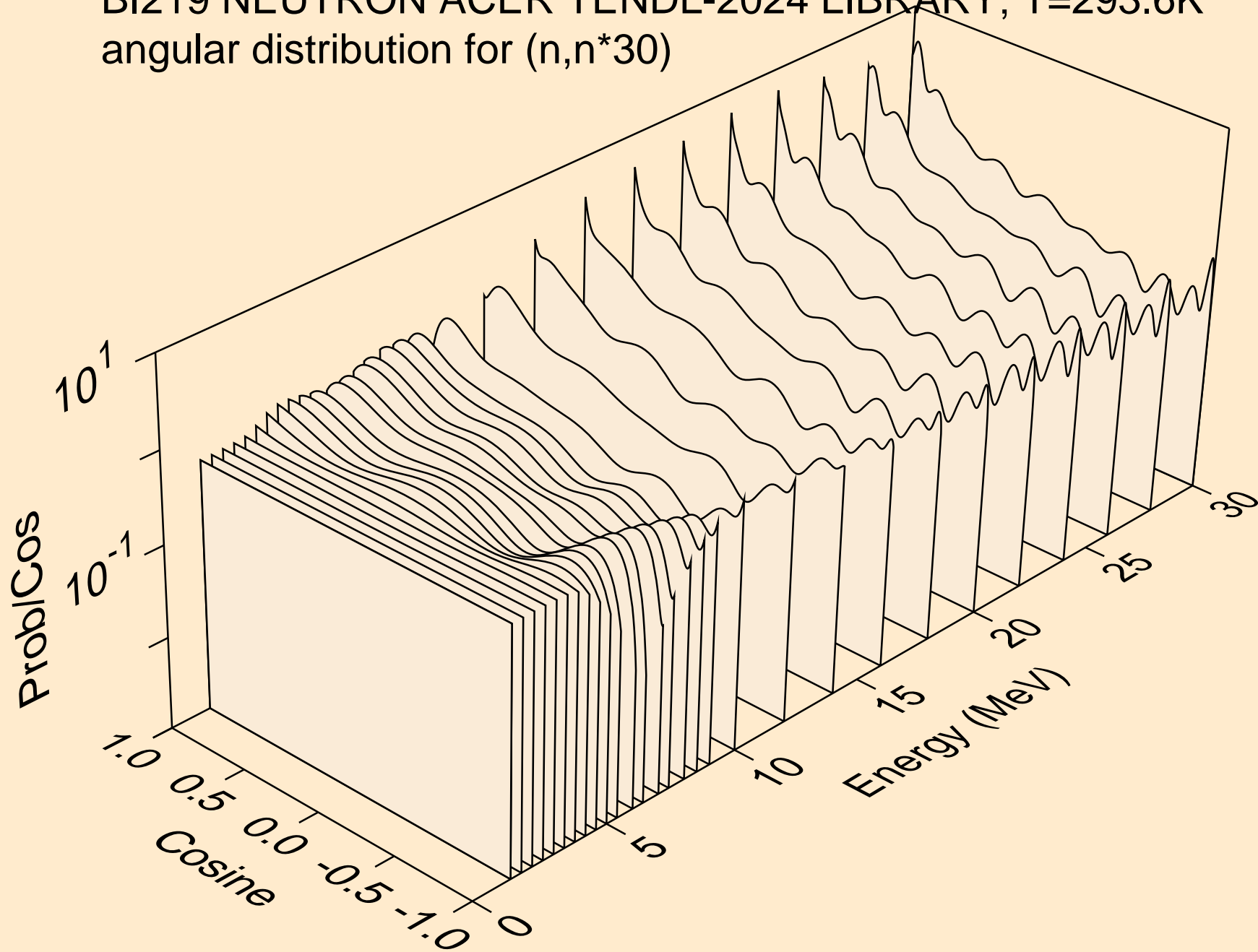
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*28)



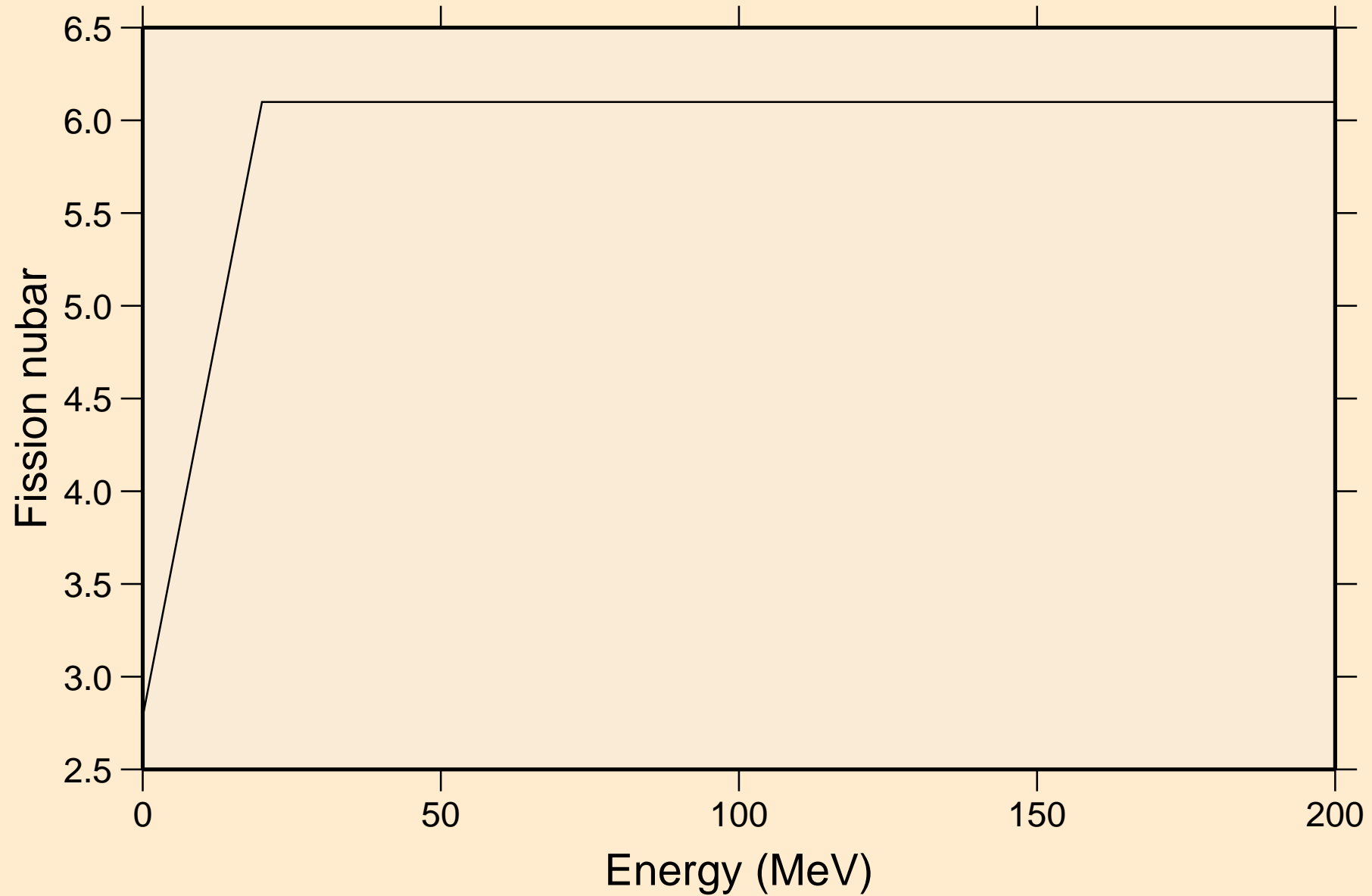
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*29)



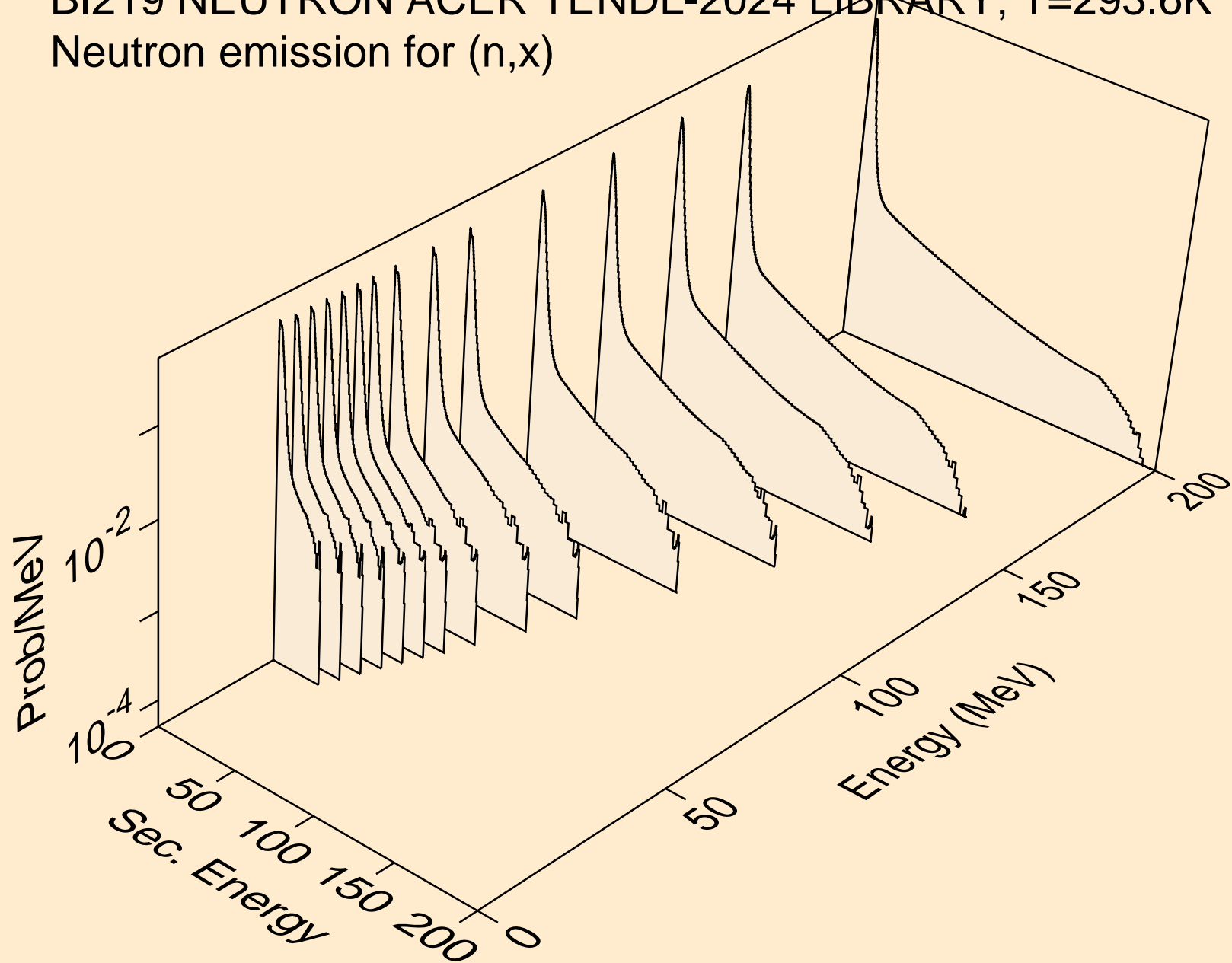
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*30)



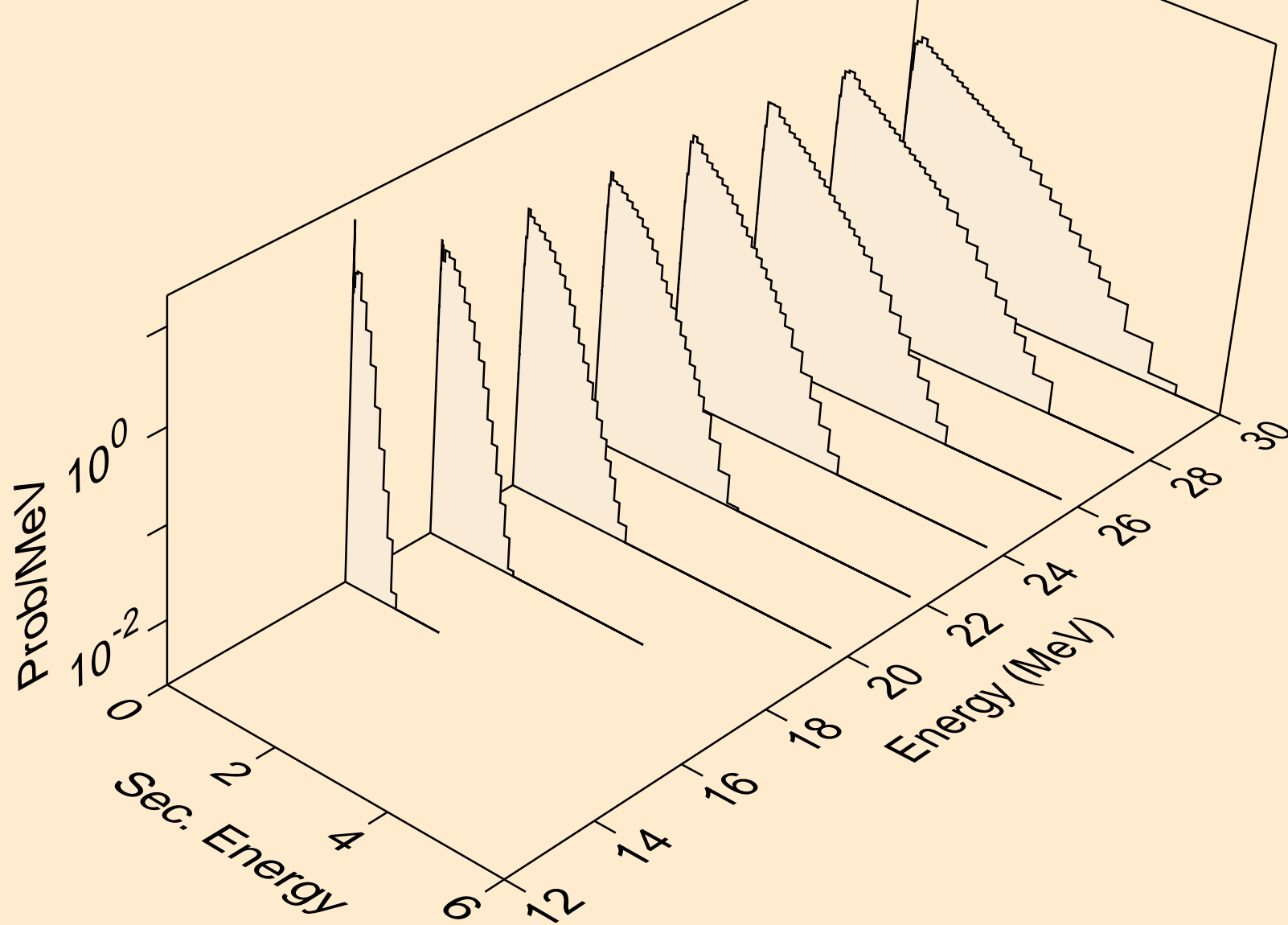
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Total fission nubar



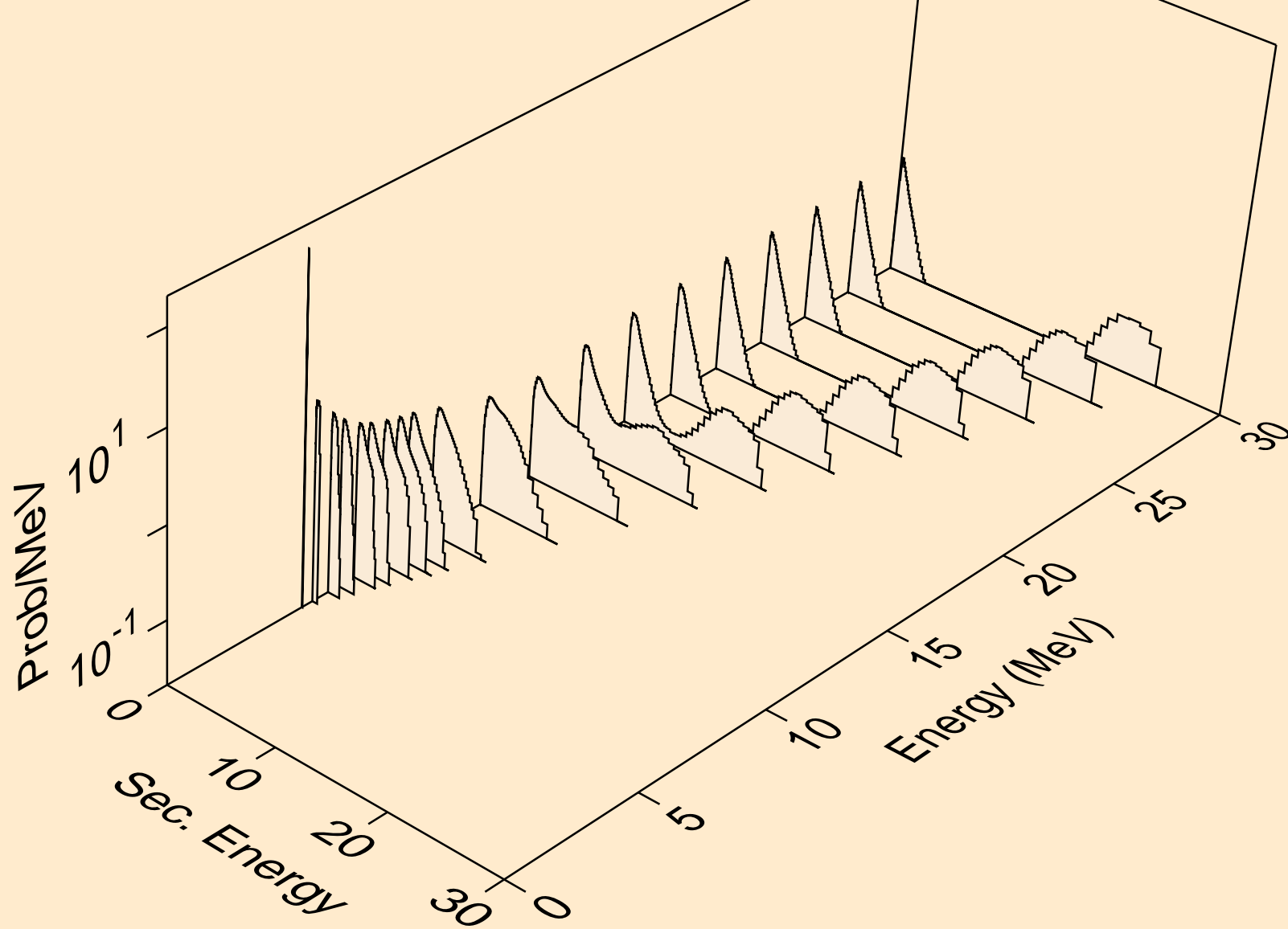
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,x)



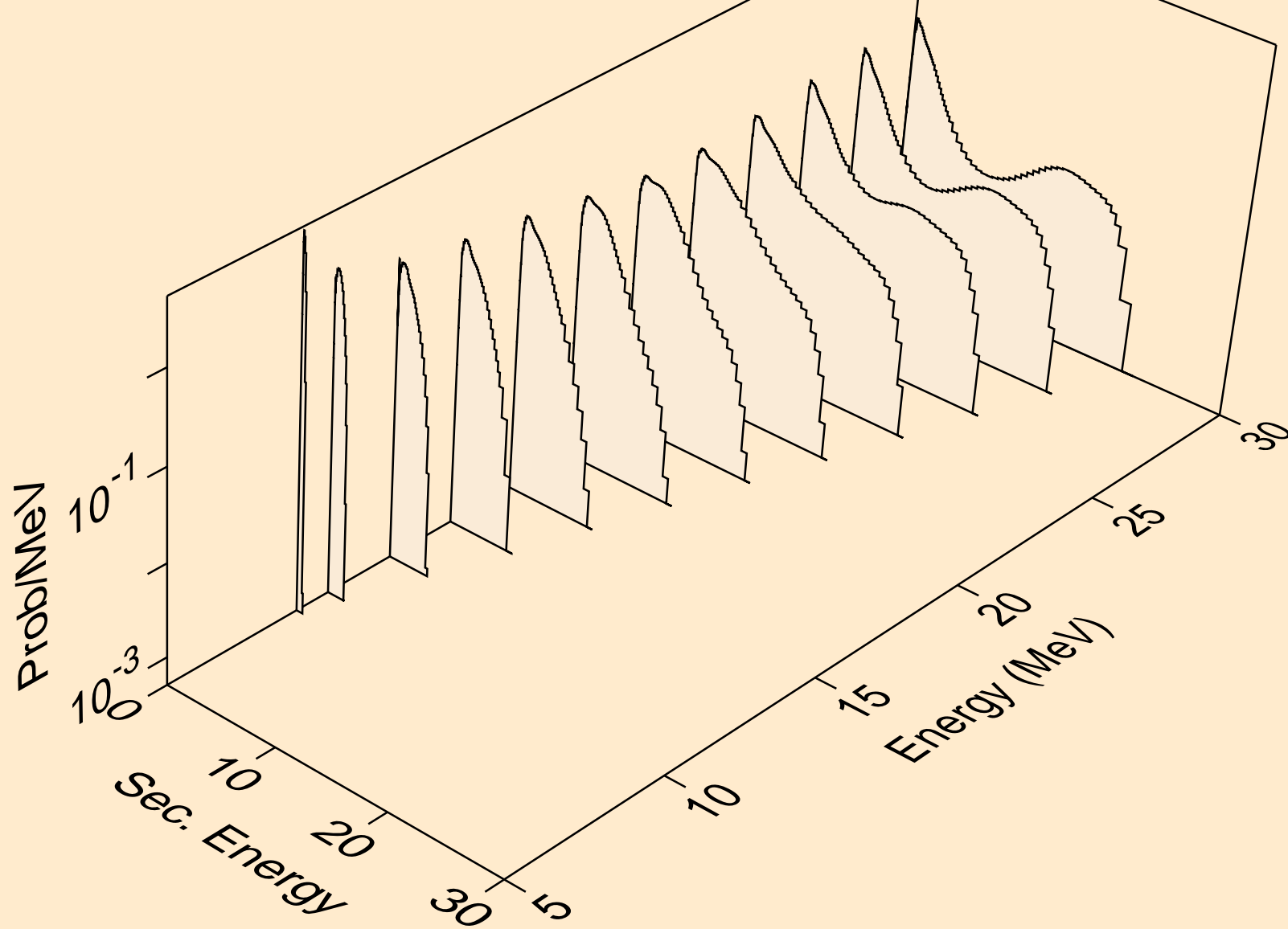
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



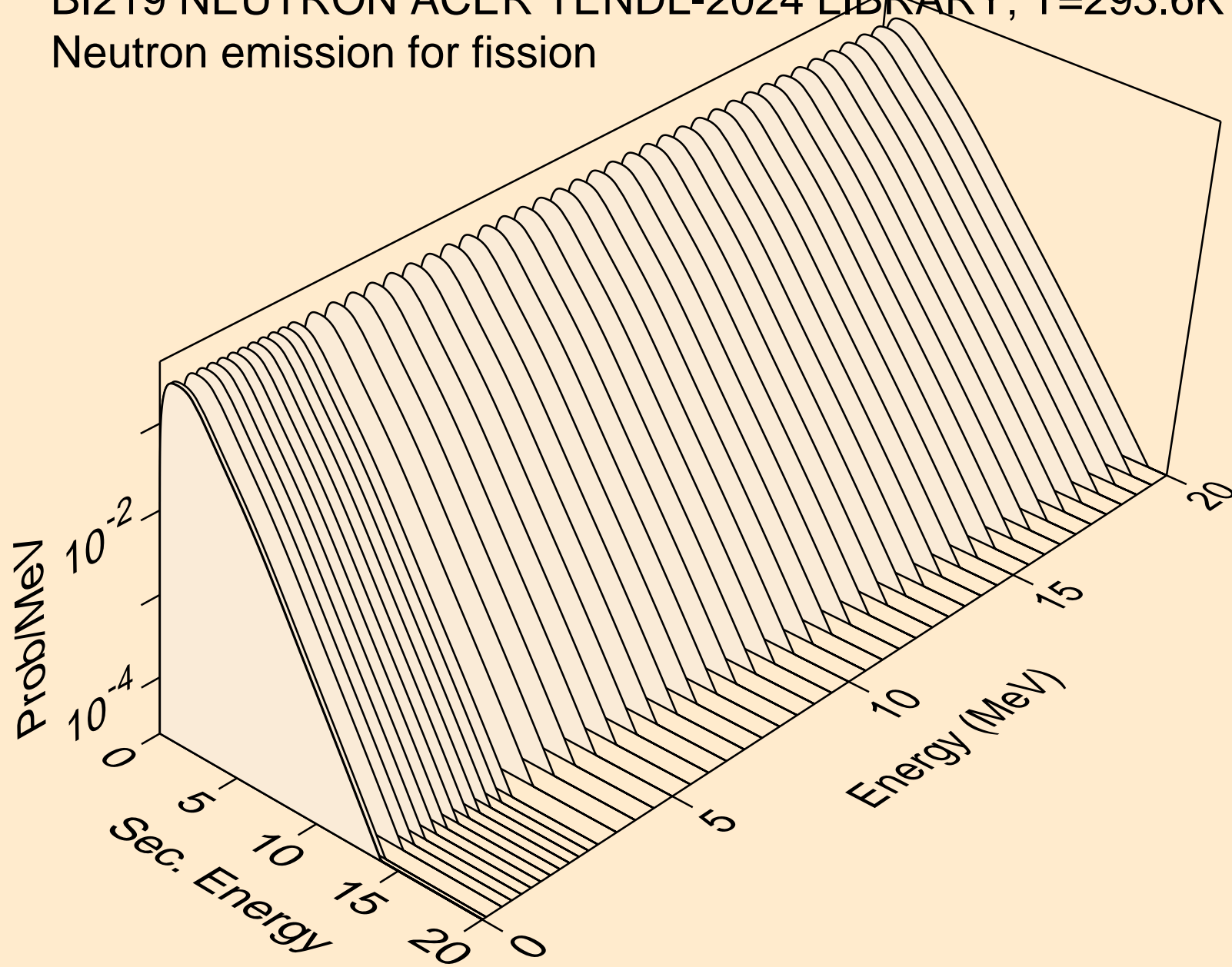
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



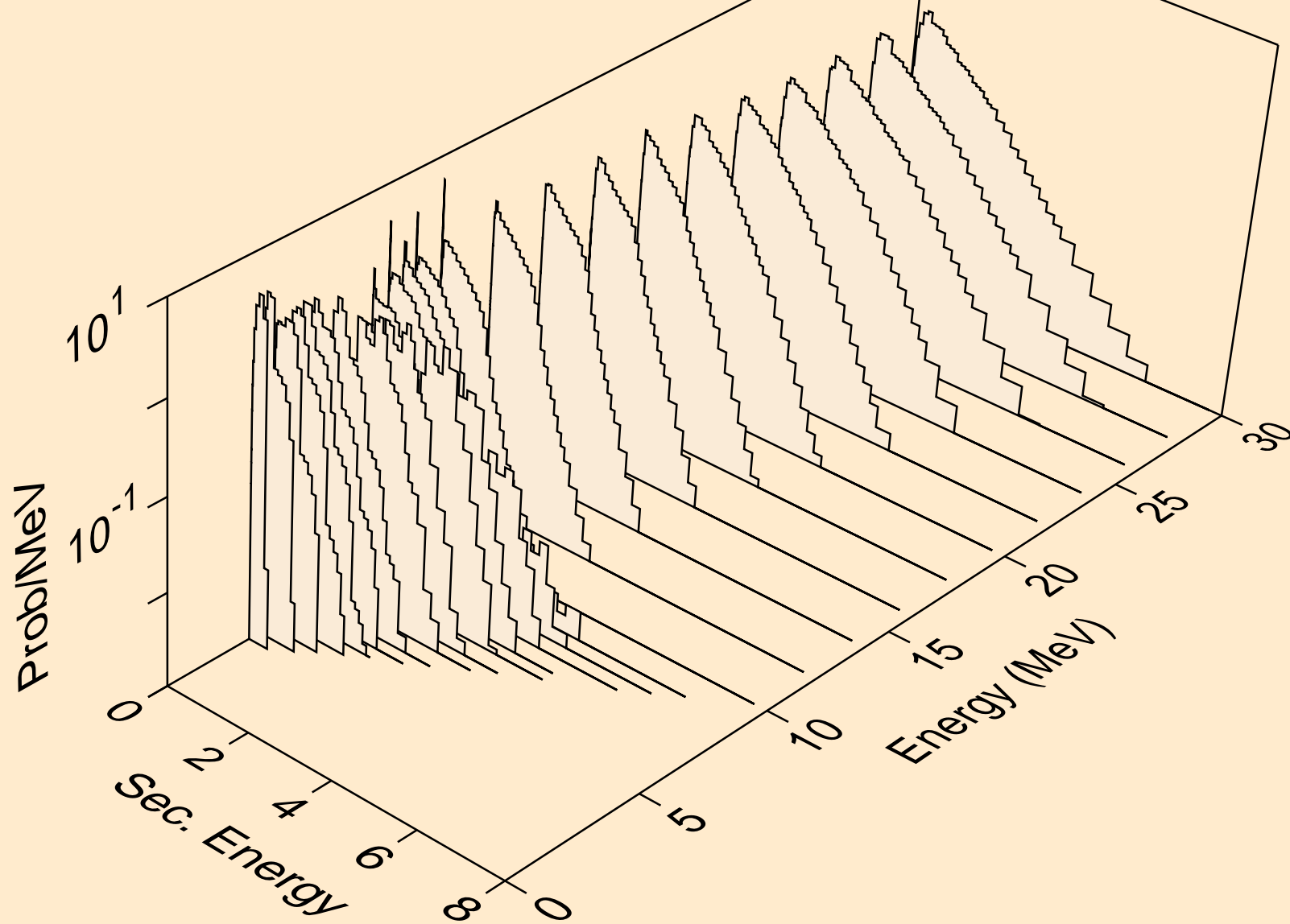
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



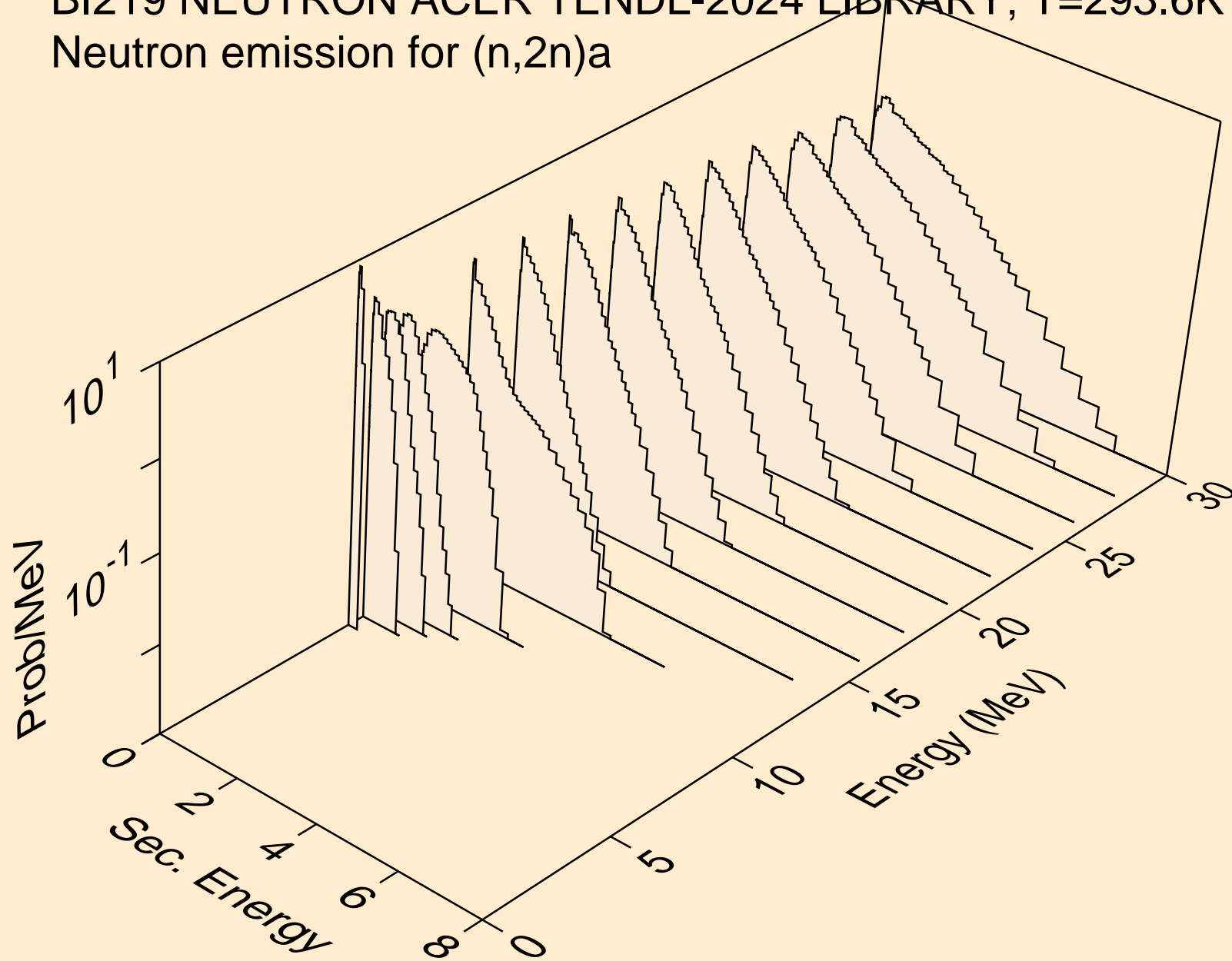
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for fission



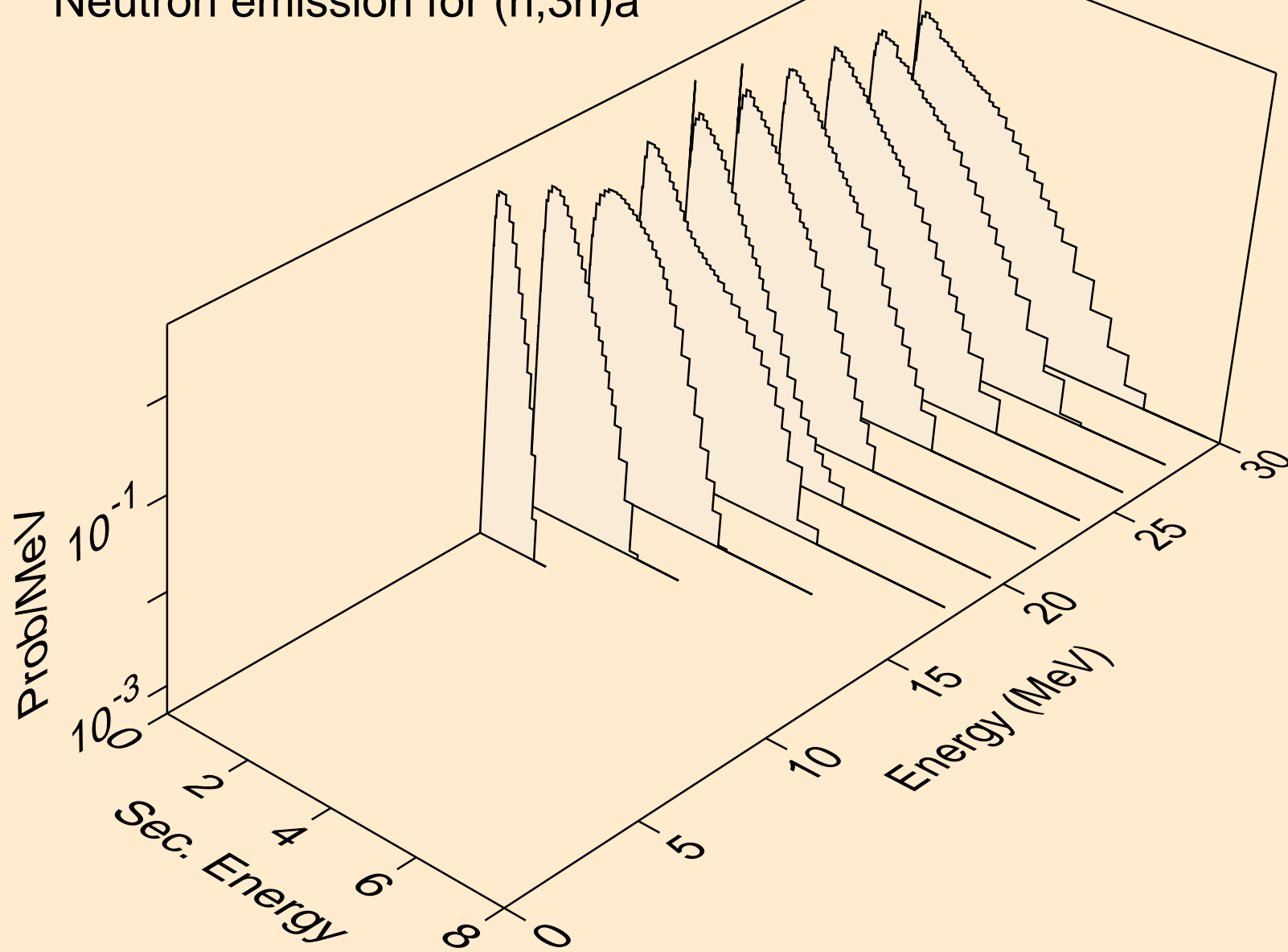
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



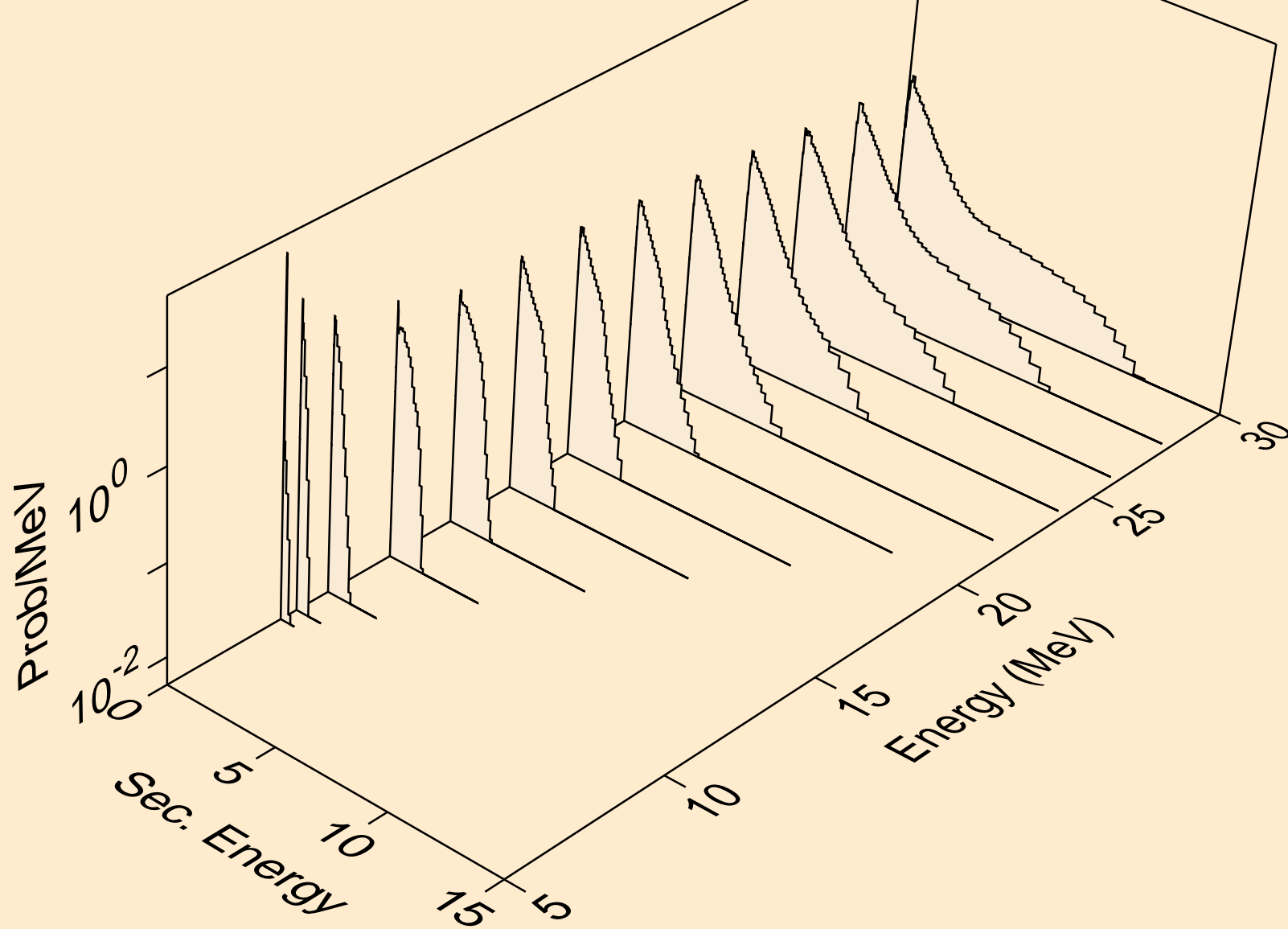
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a



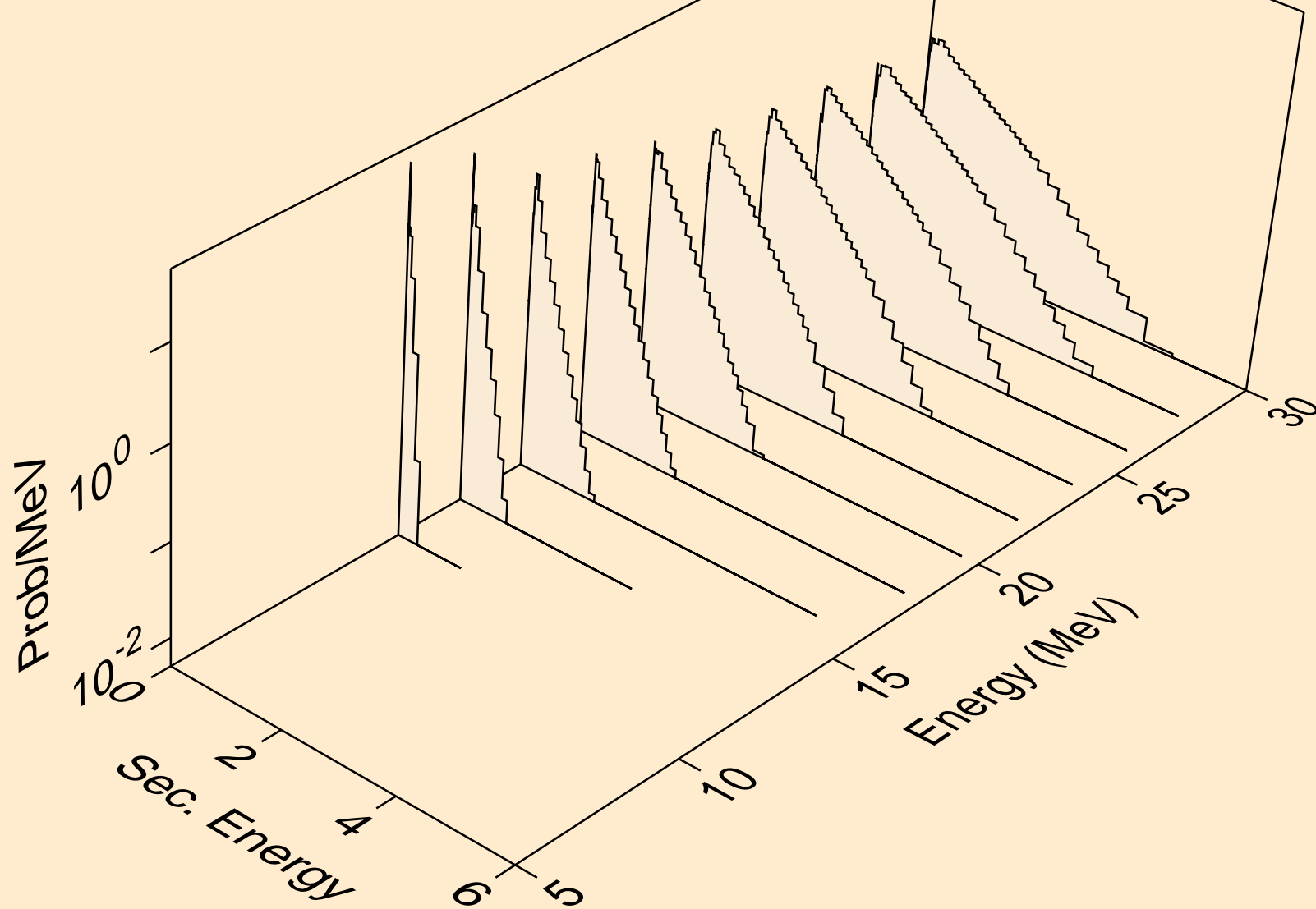
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



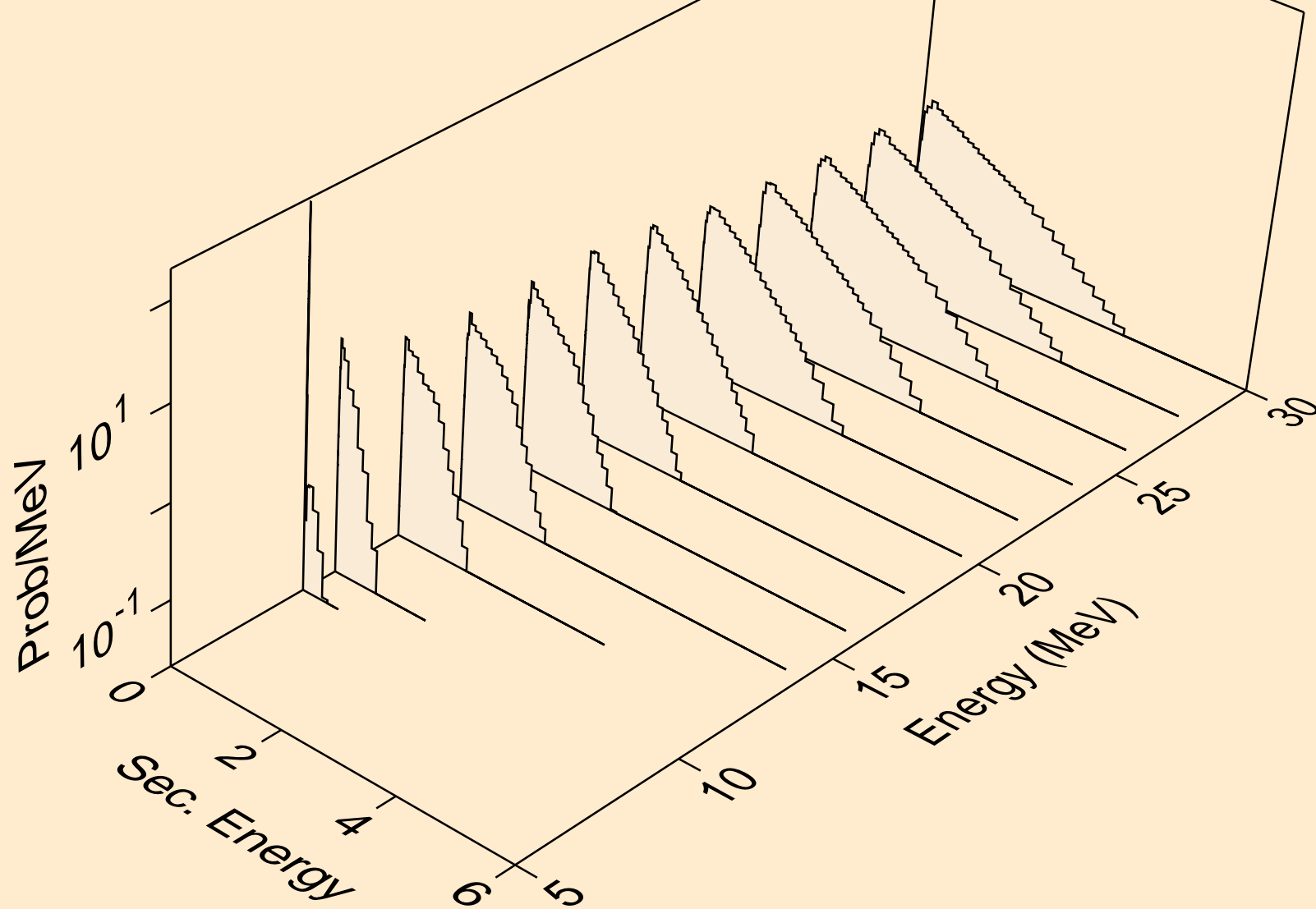
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



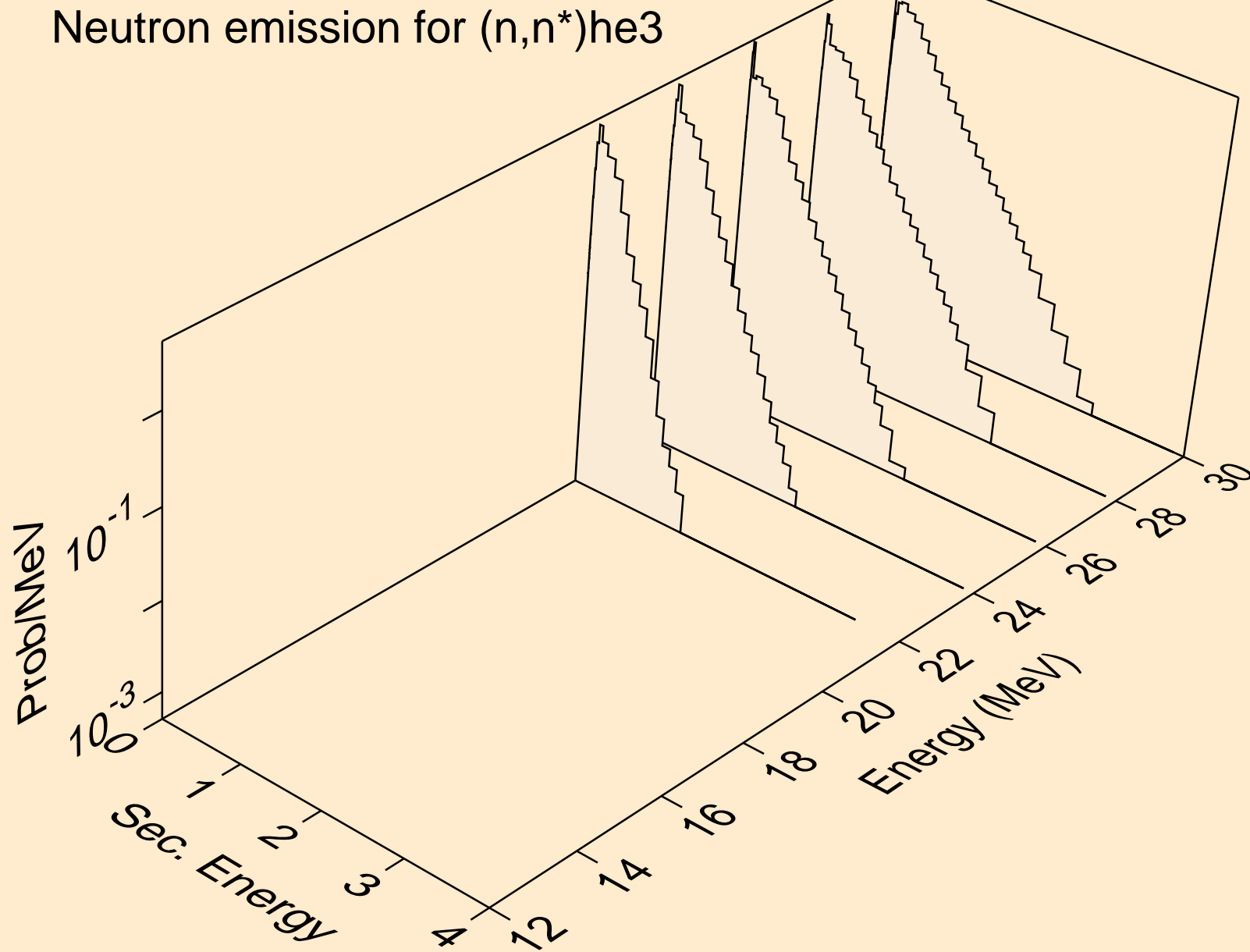
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



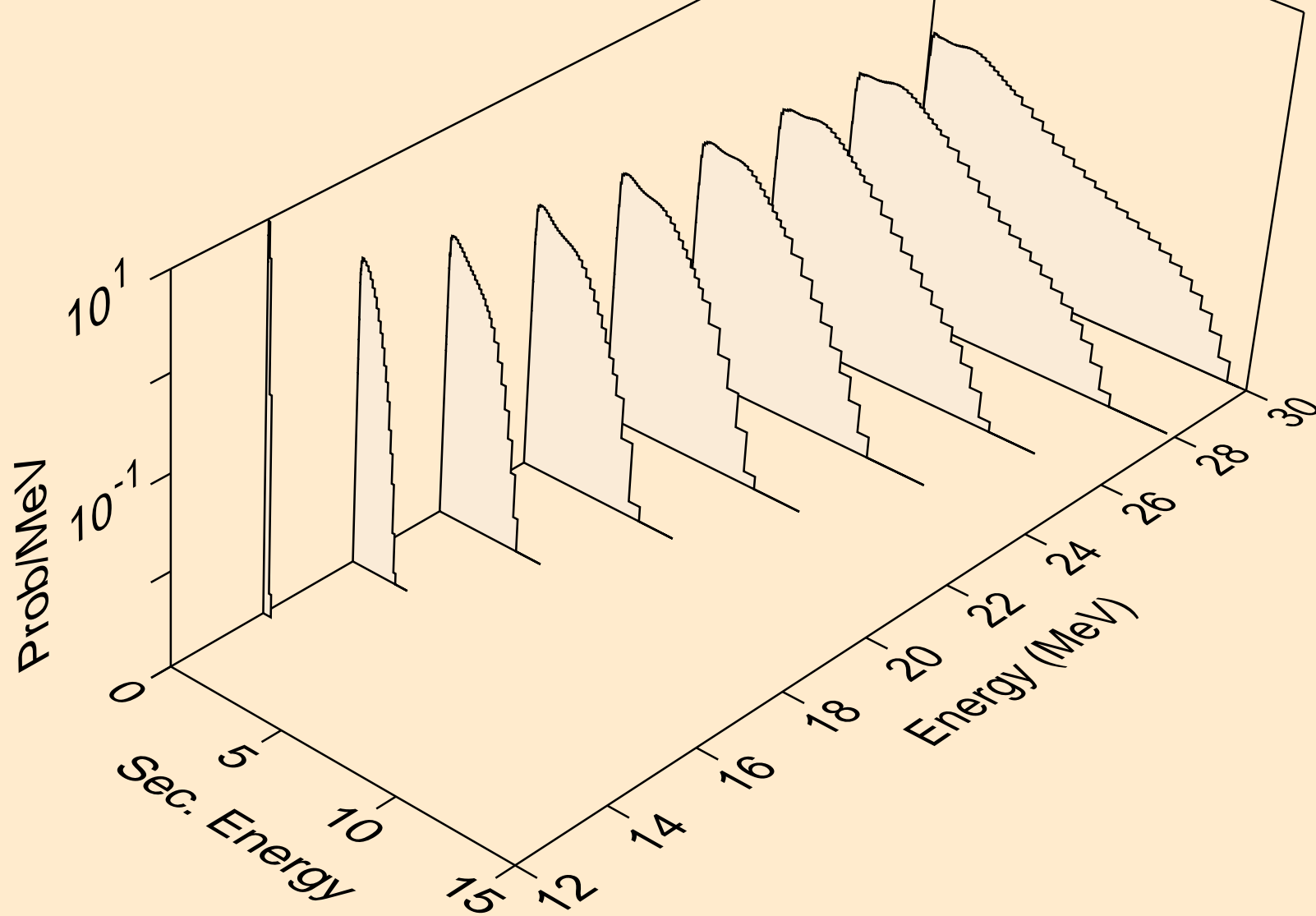
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



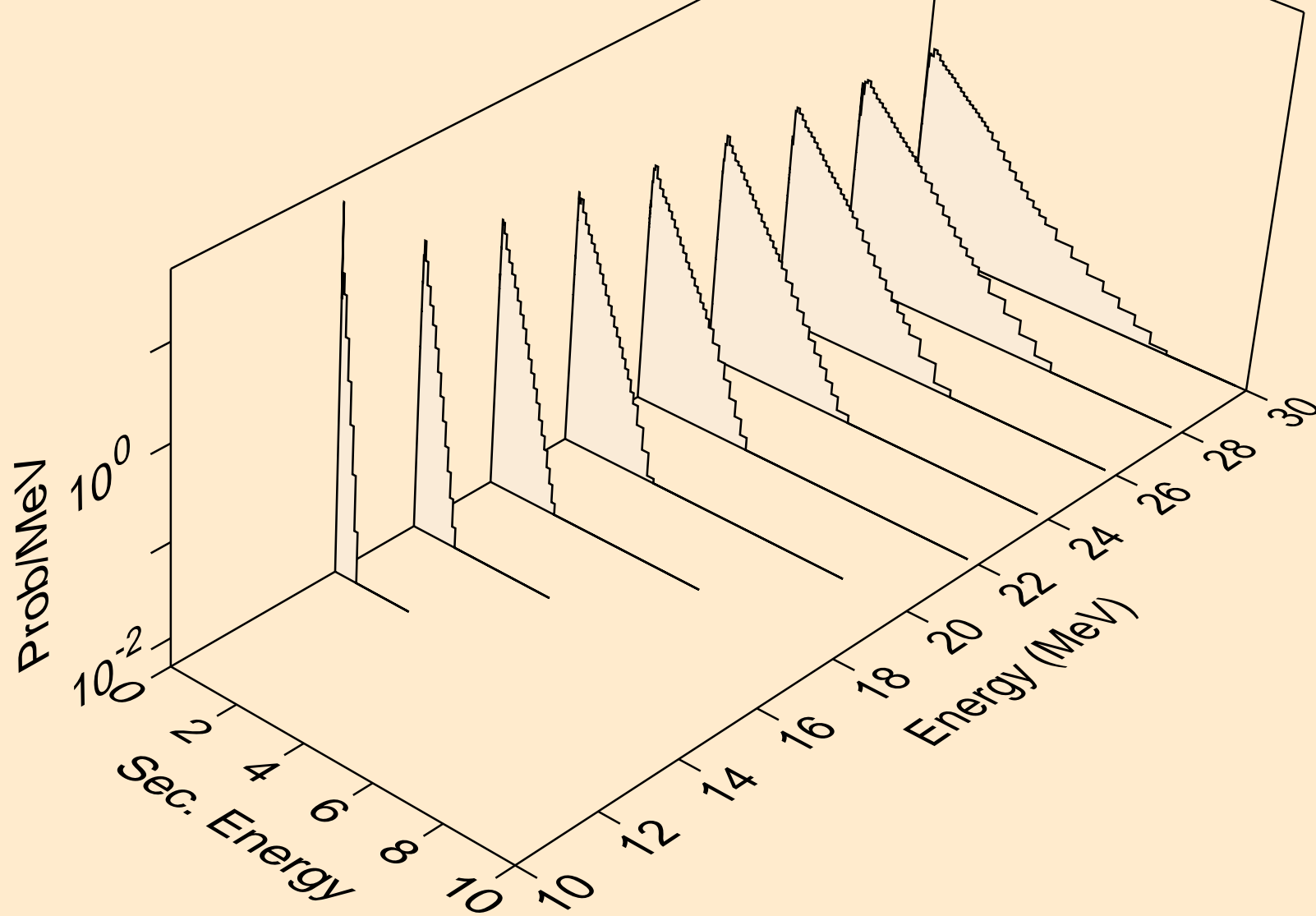
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



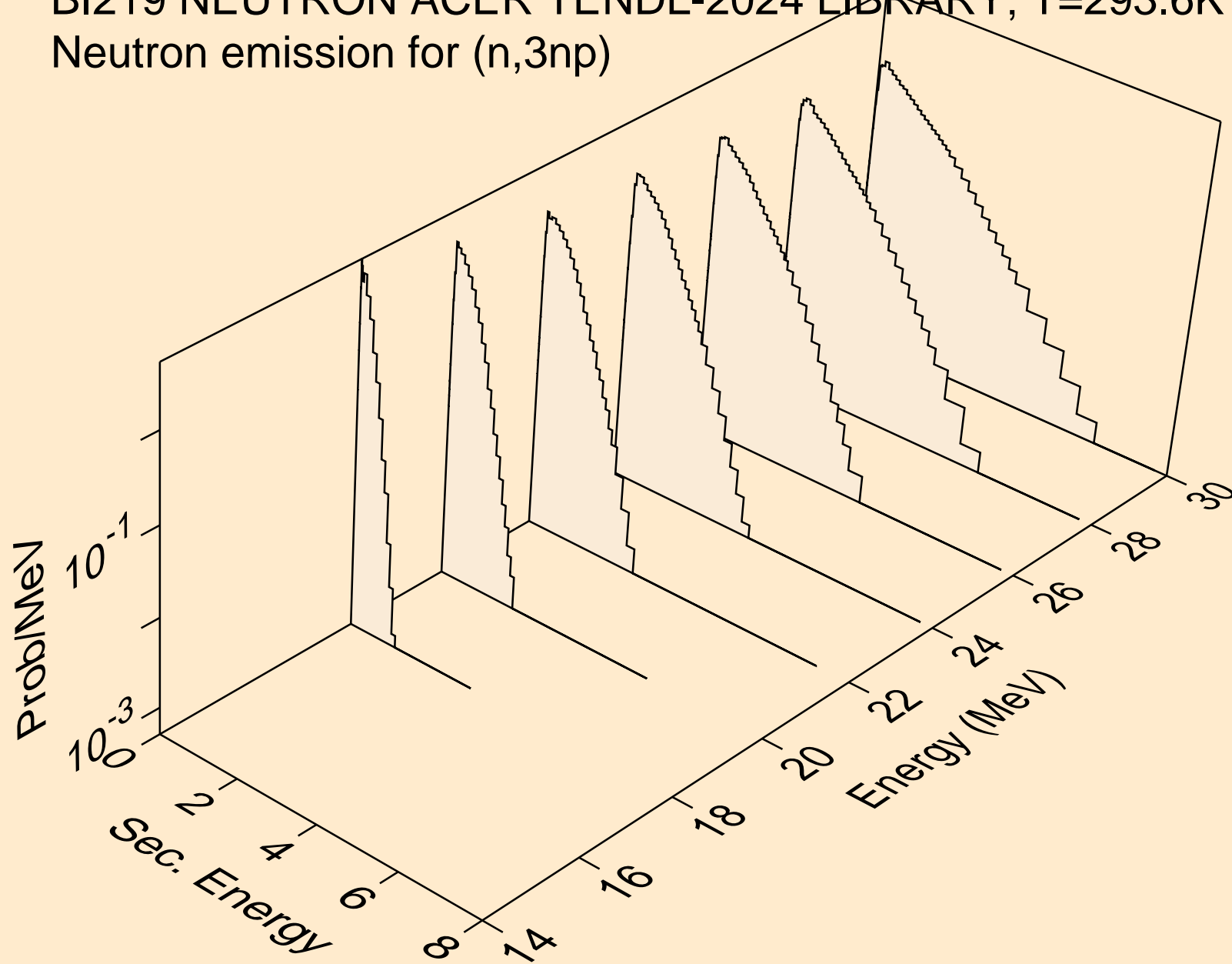
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,4n)



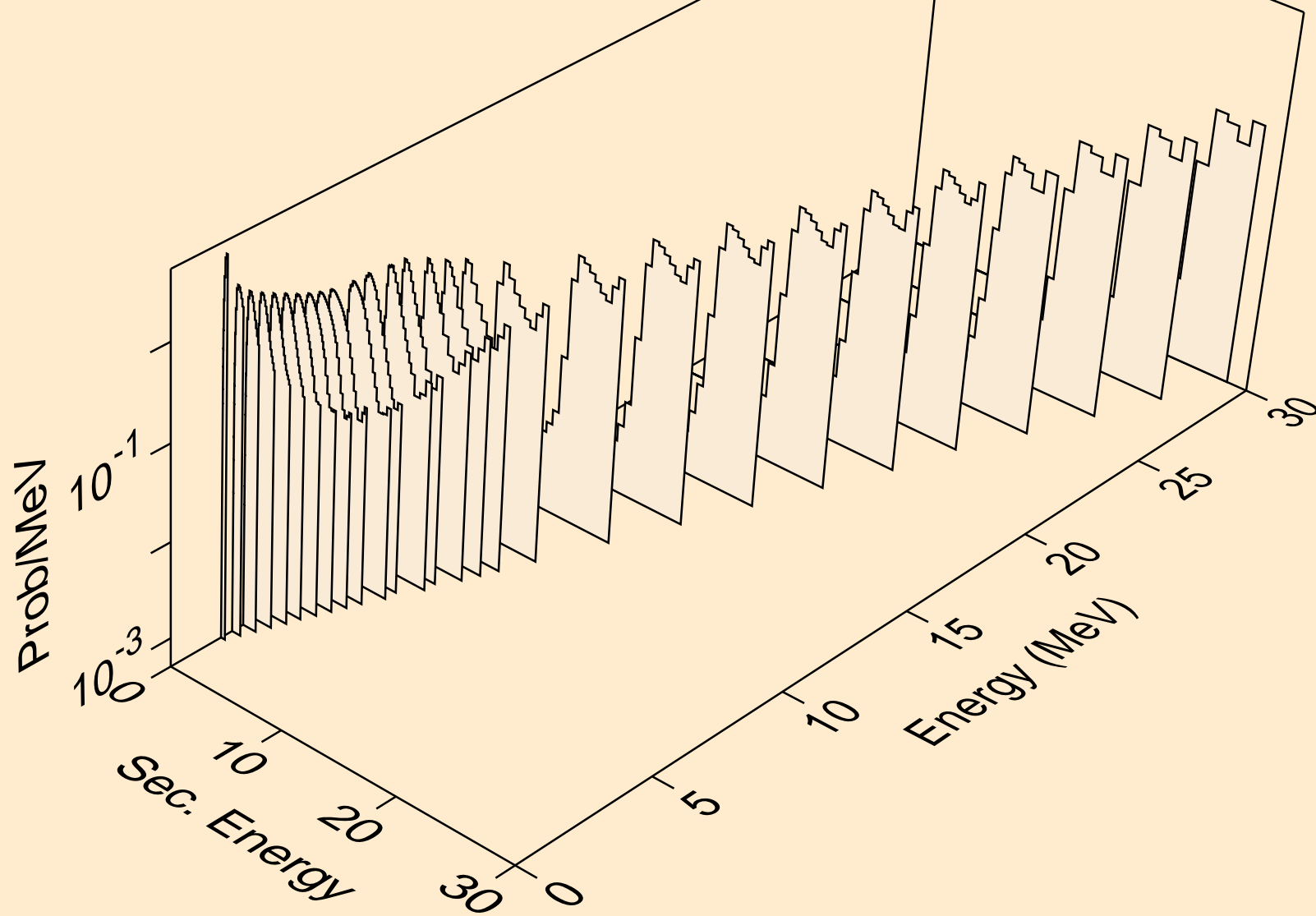
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



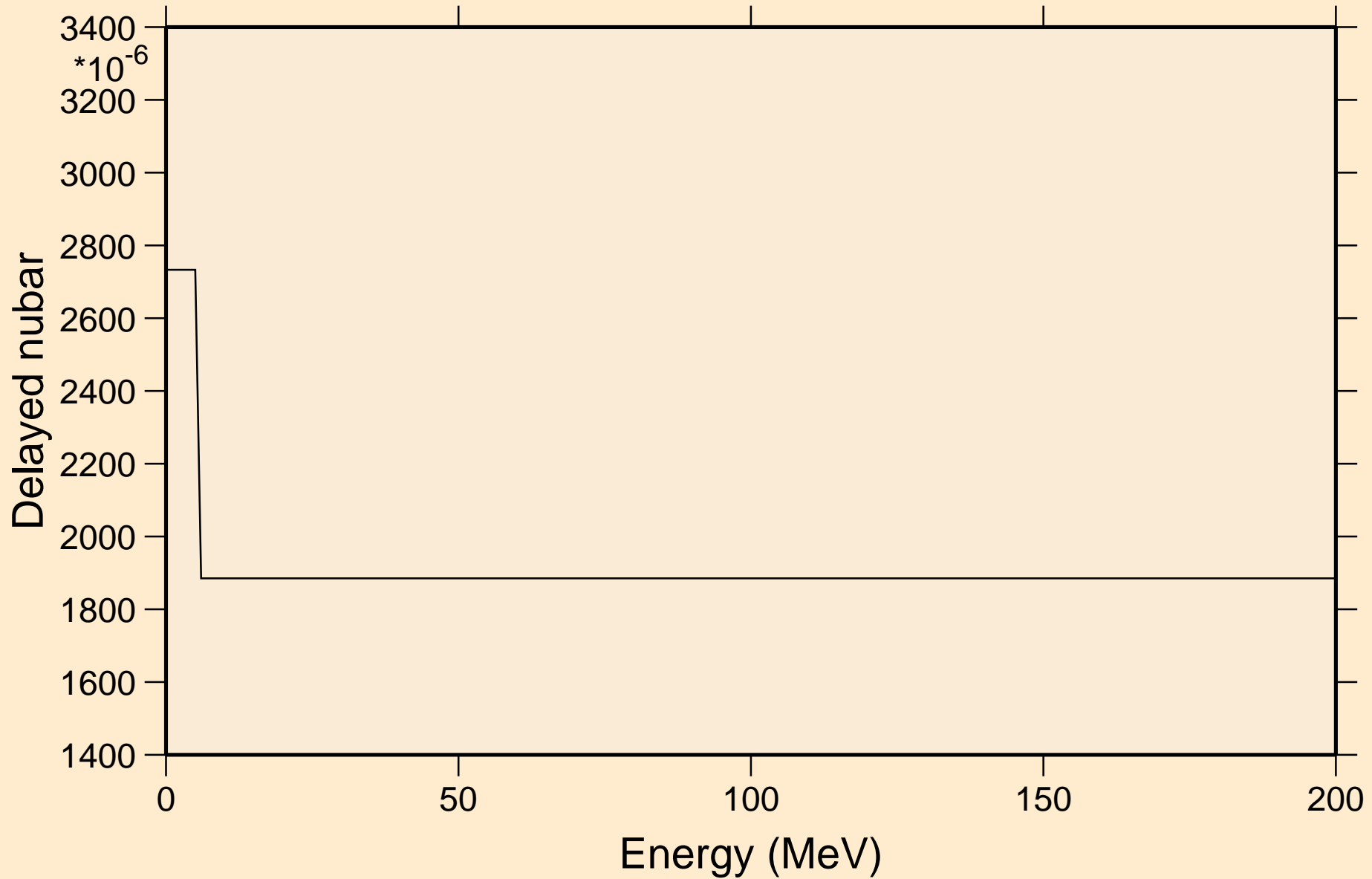
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)

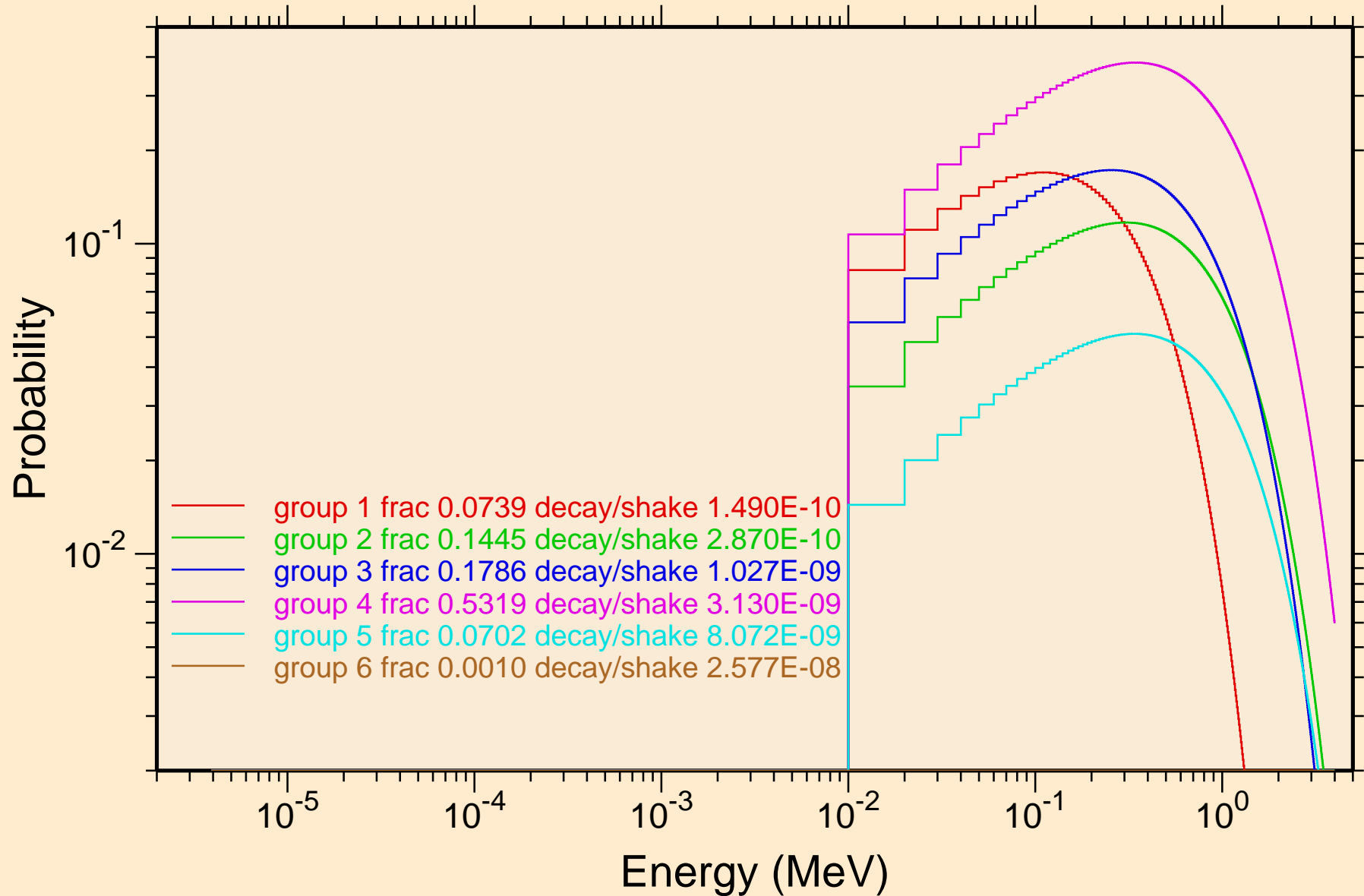


BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Delayed nubar

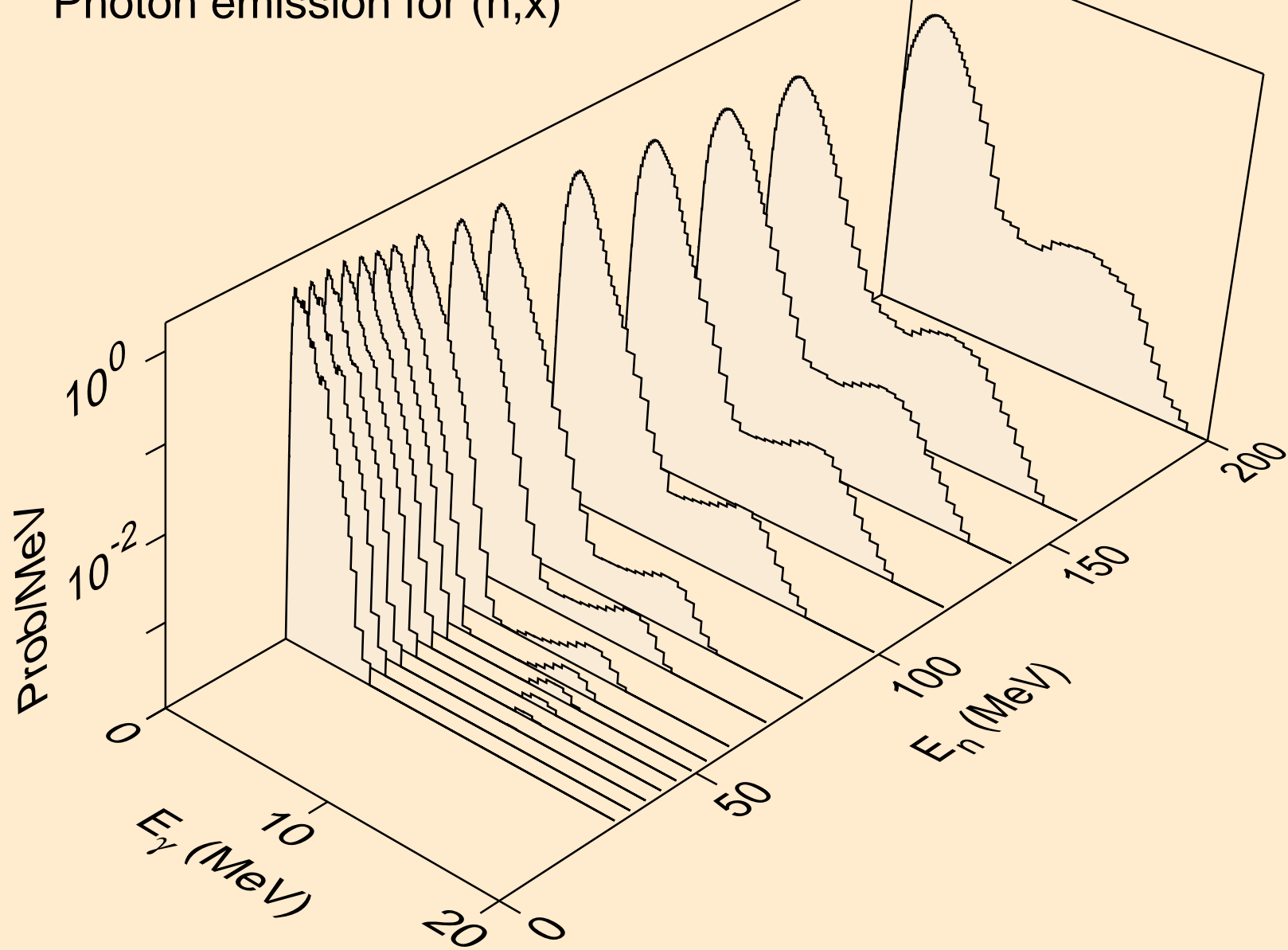


# BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

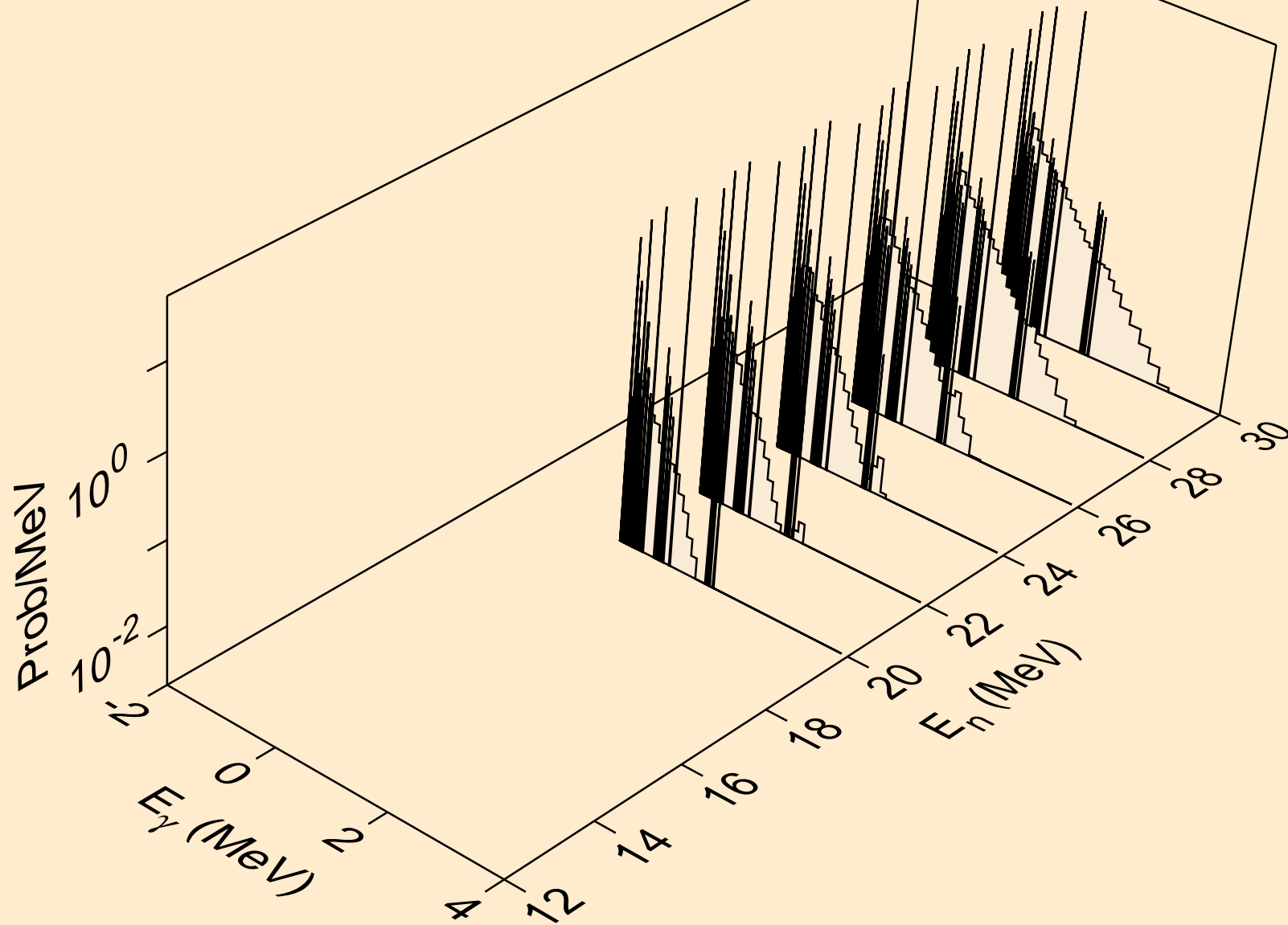
## Delayed neutron spectra



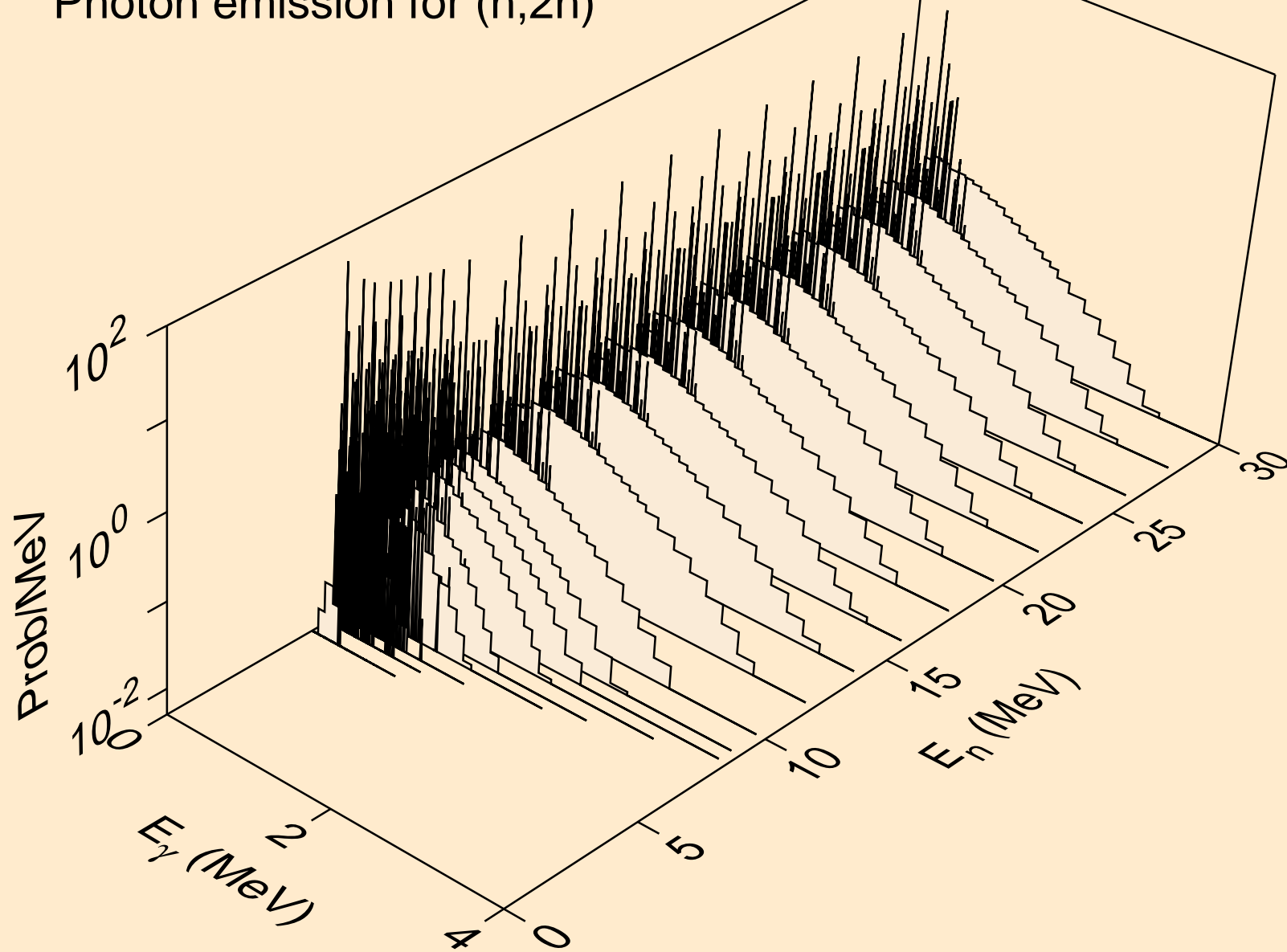
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,x)



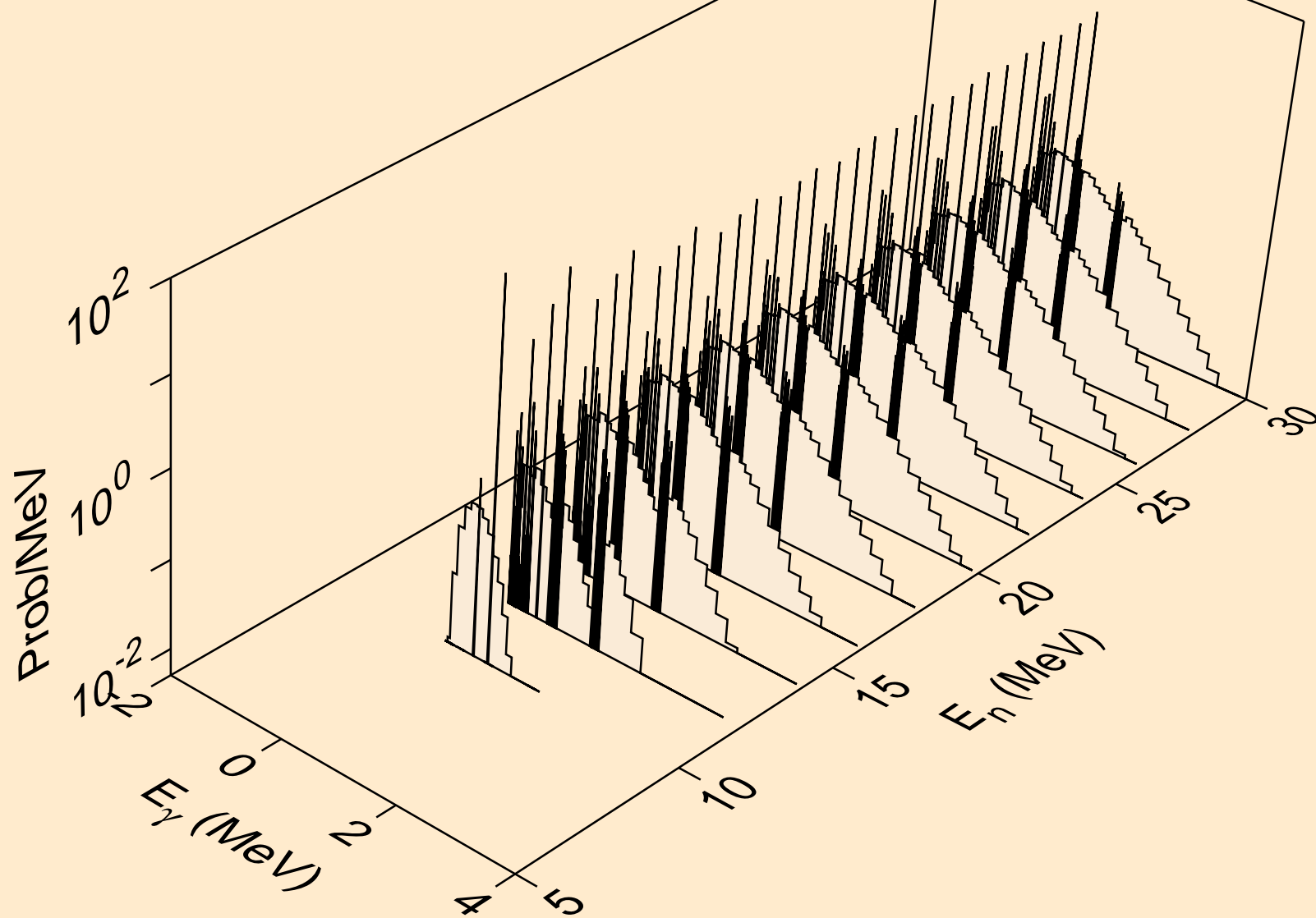
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2nd)



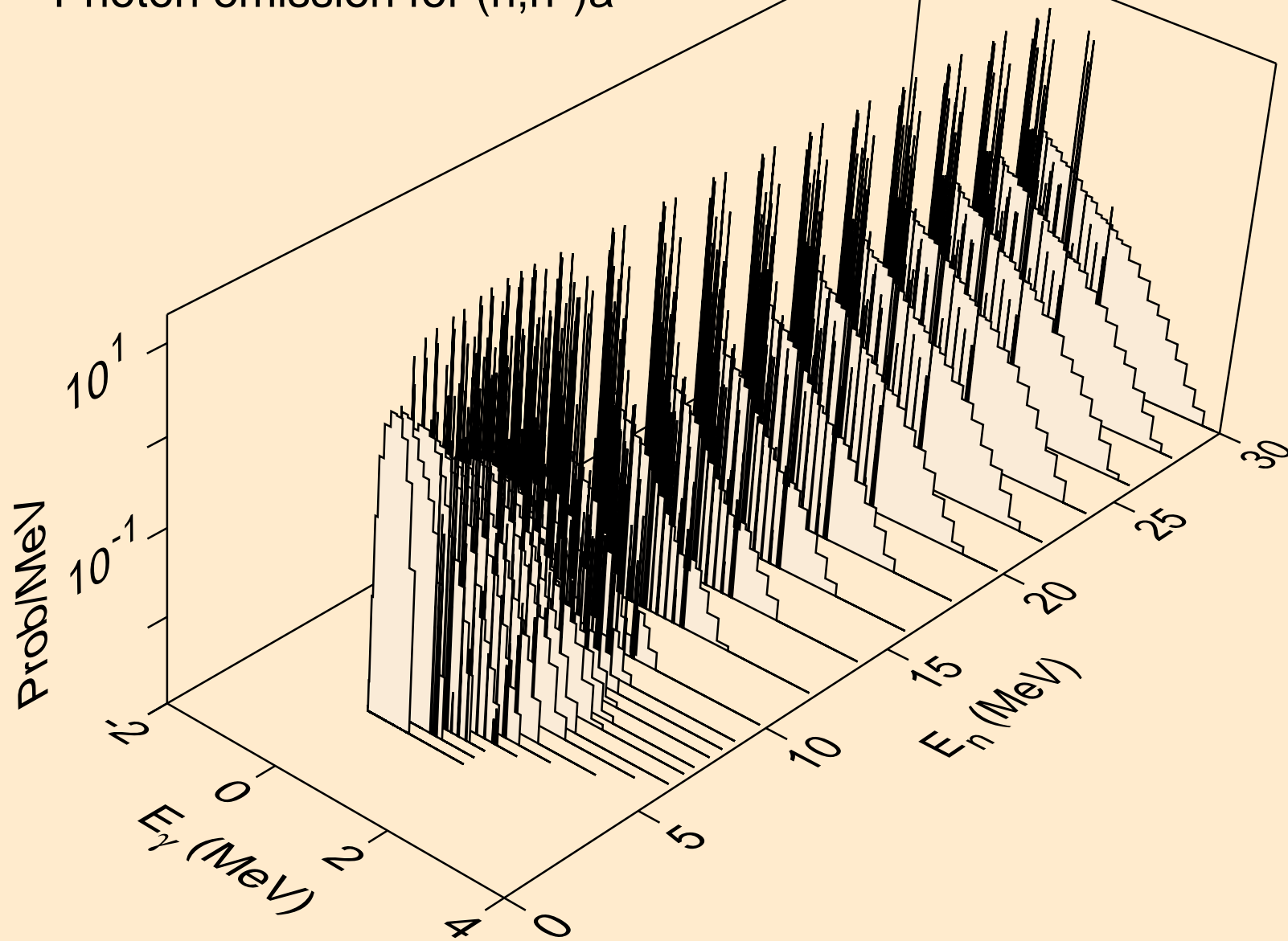
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n)



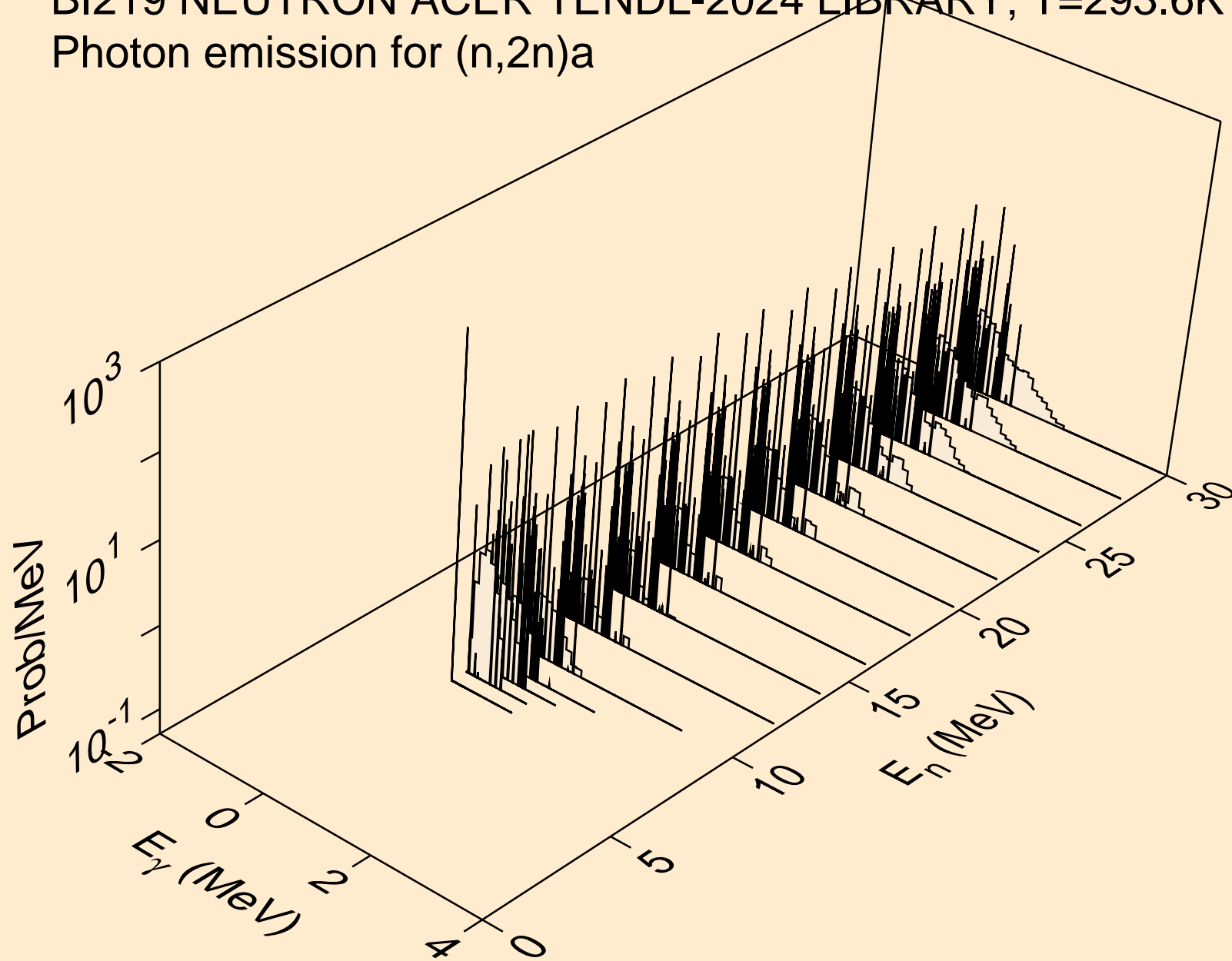
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3n)



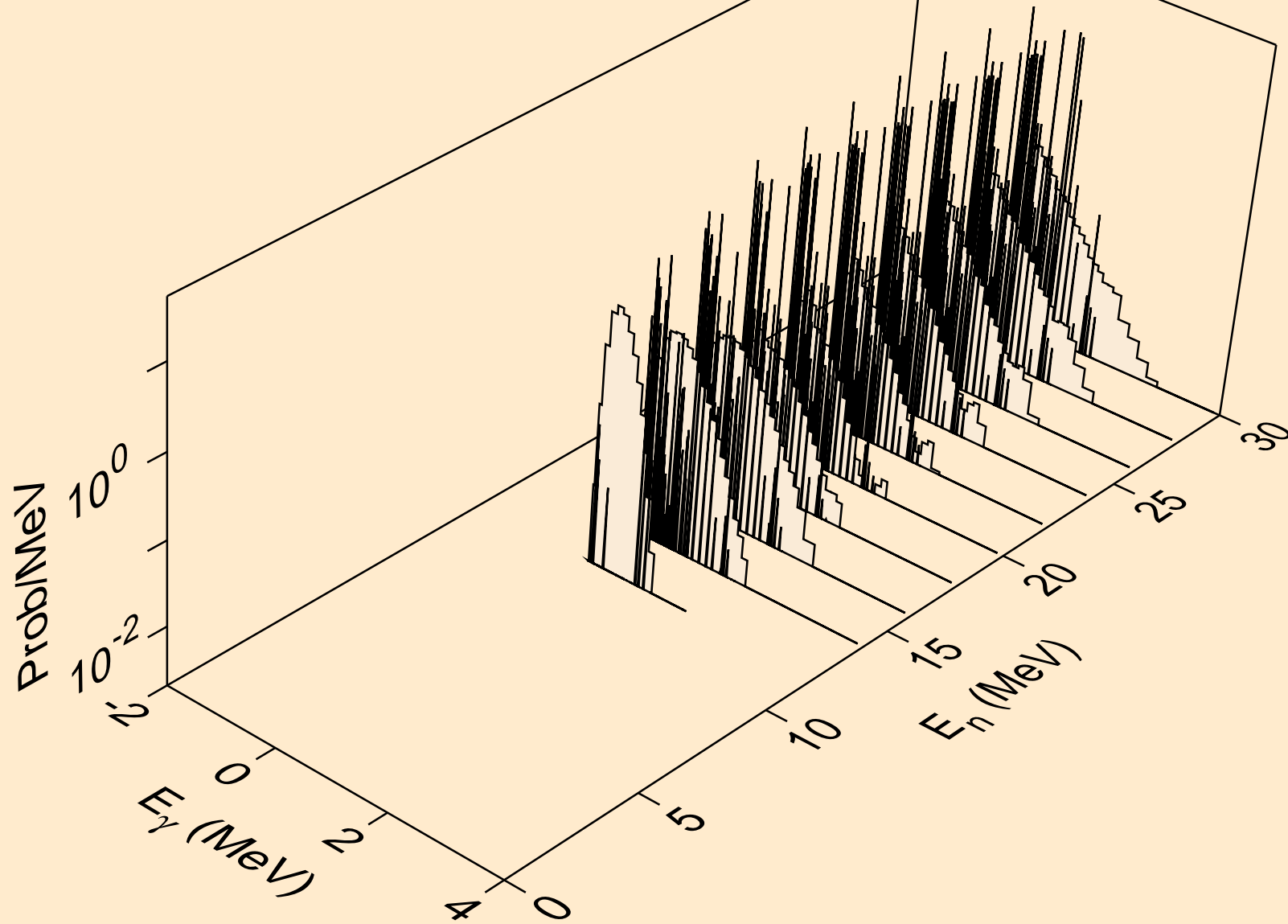
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



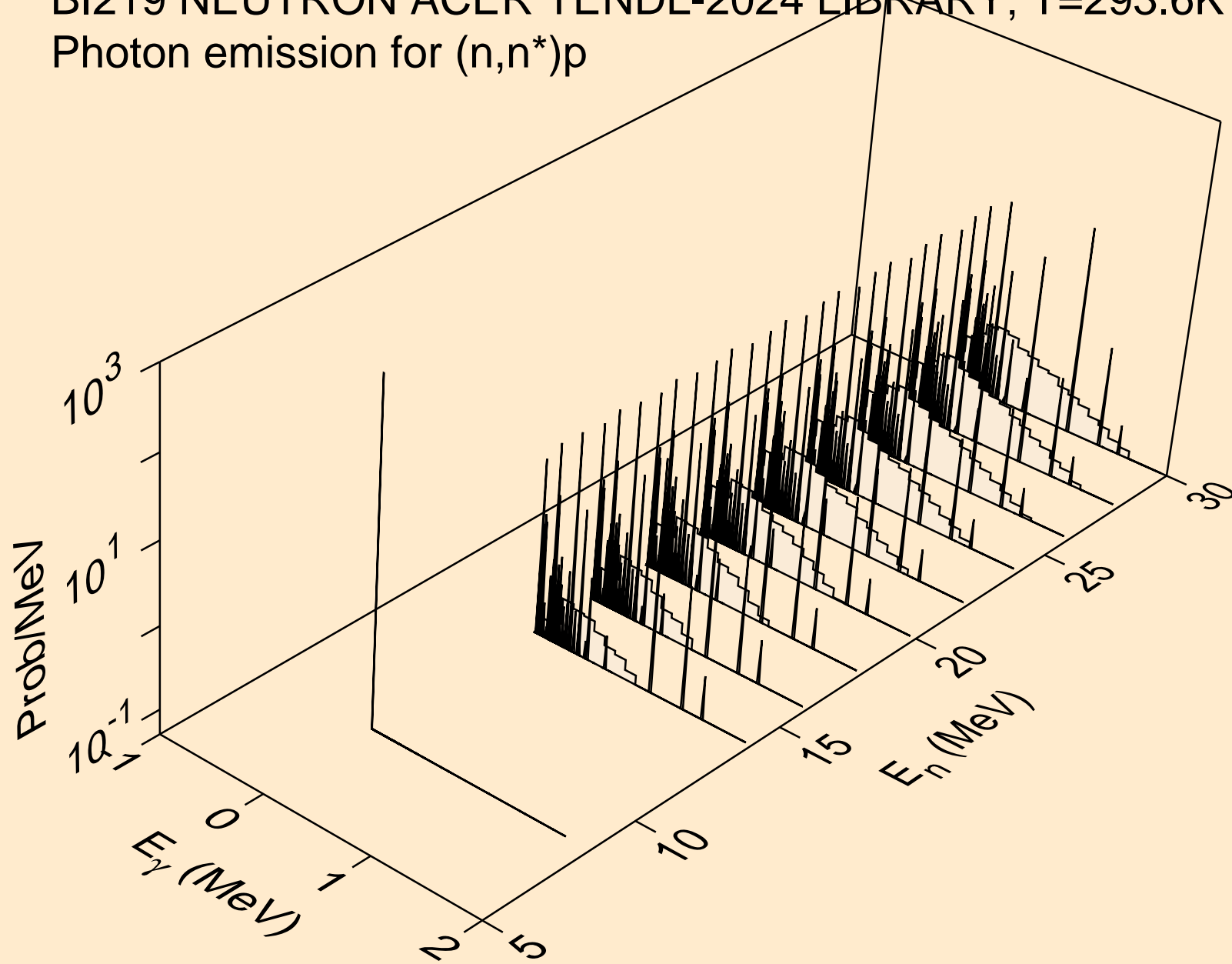
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n)a



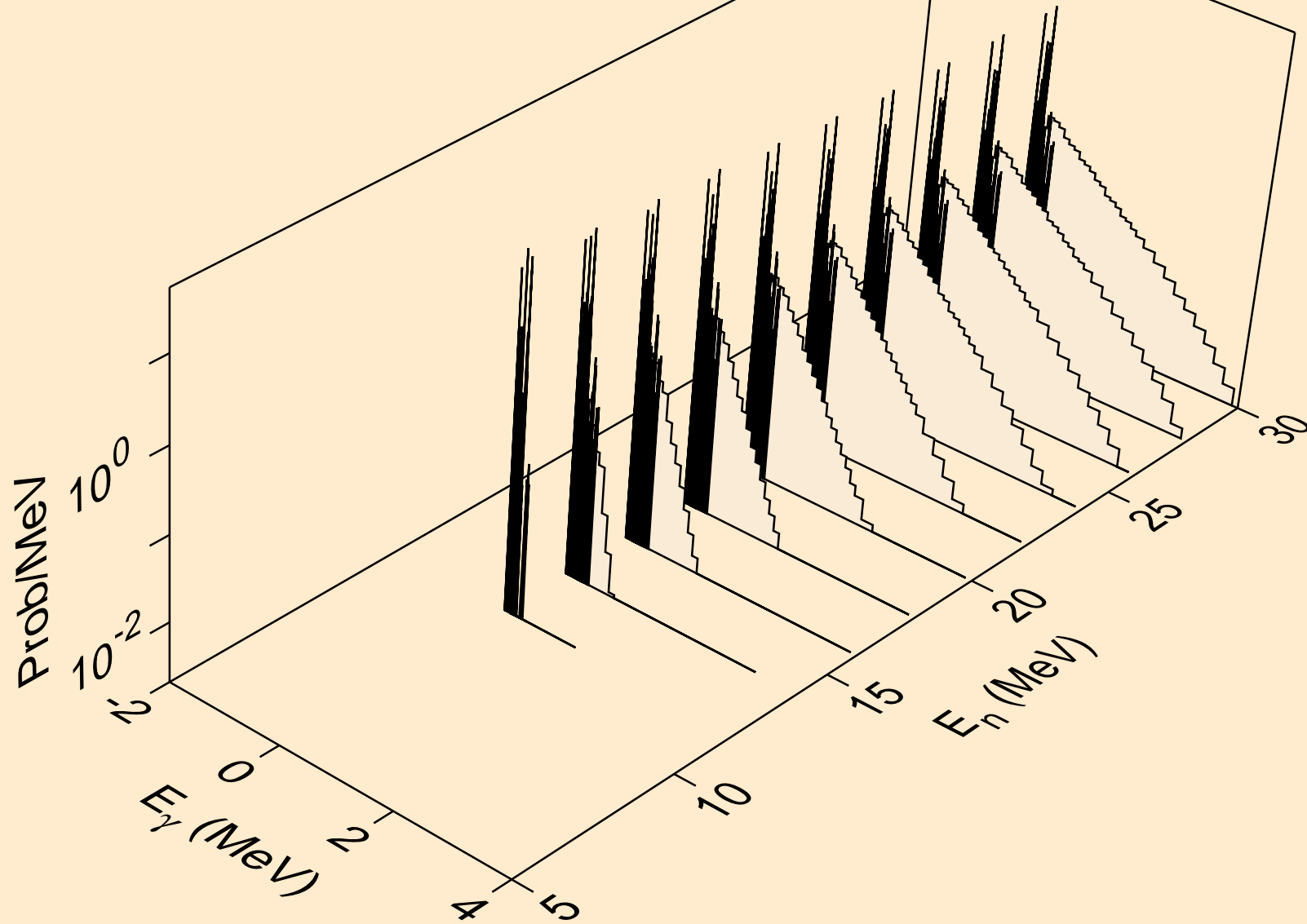
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3n)a



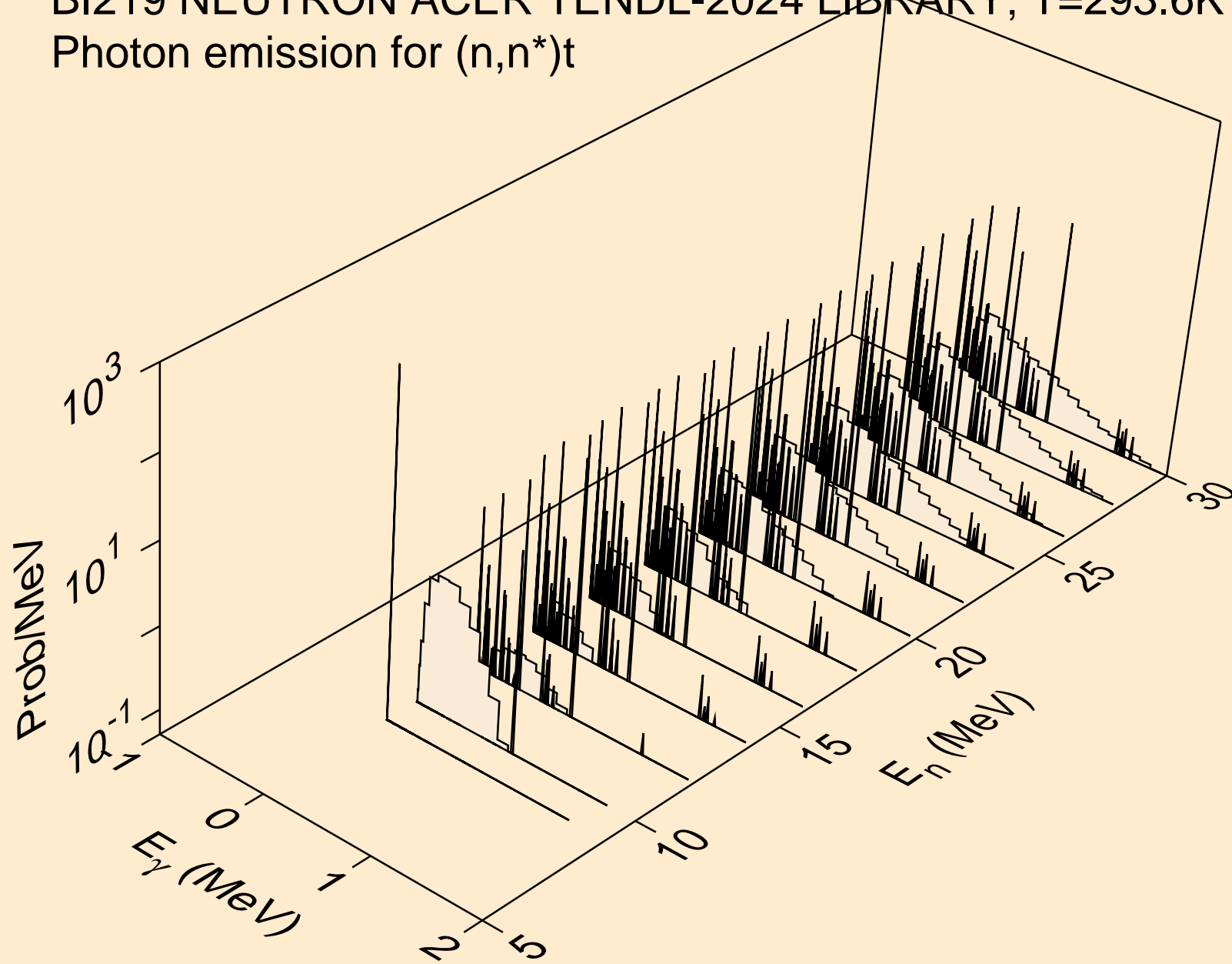
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



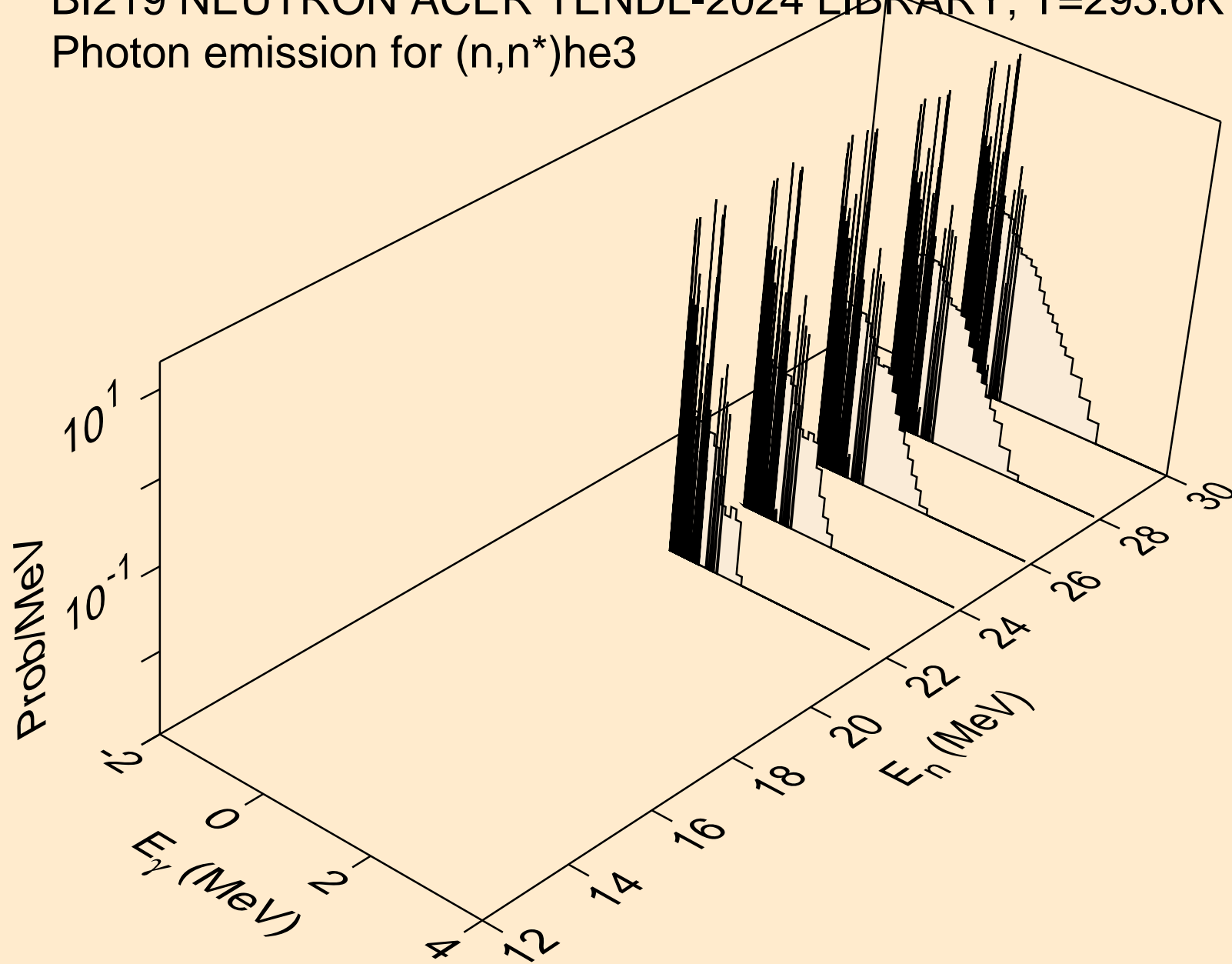
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



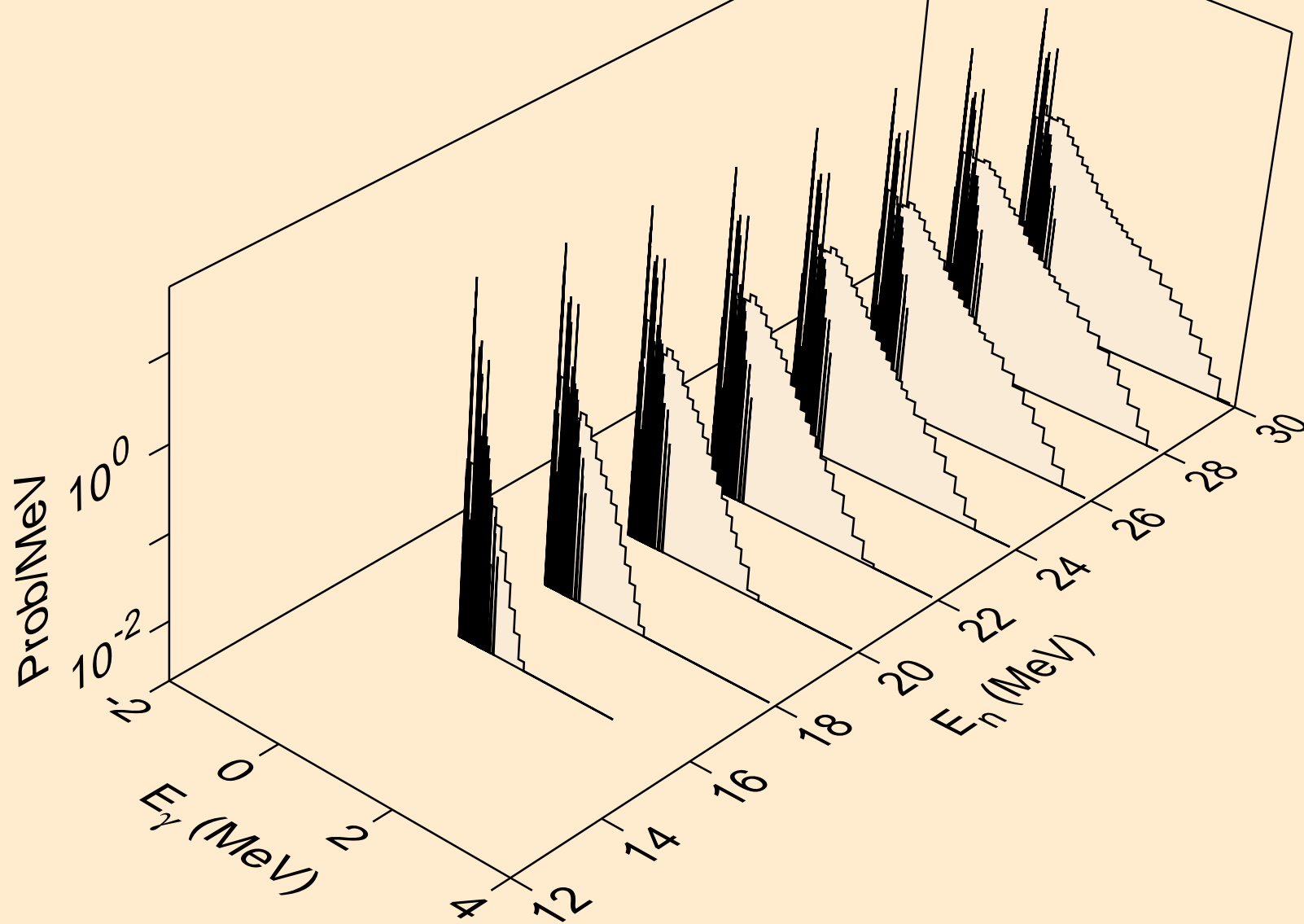
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



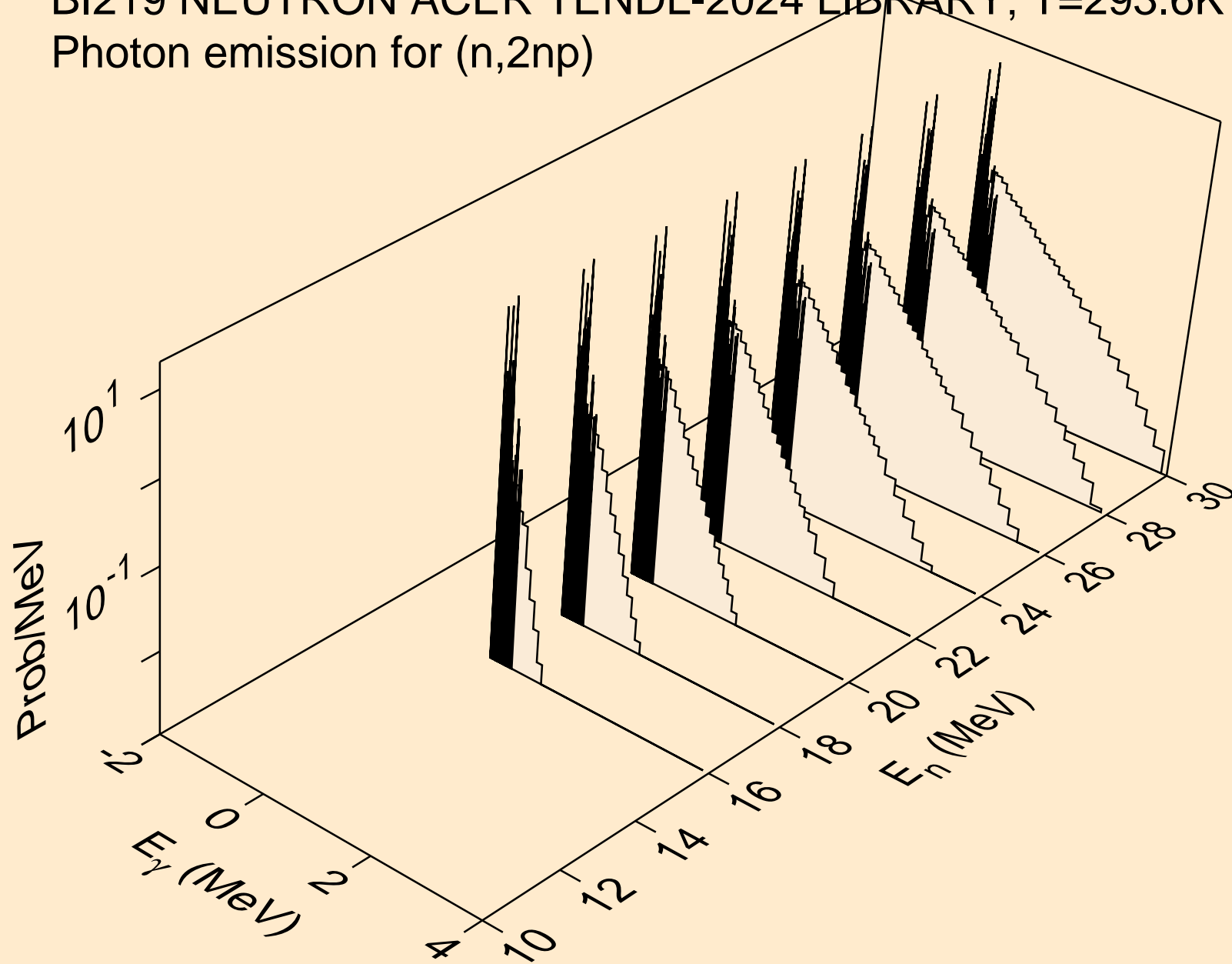
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



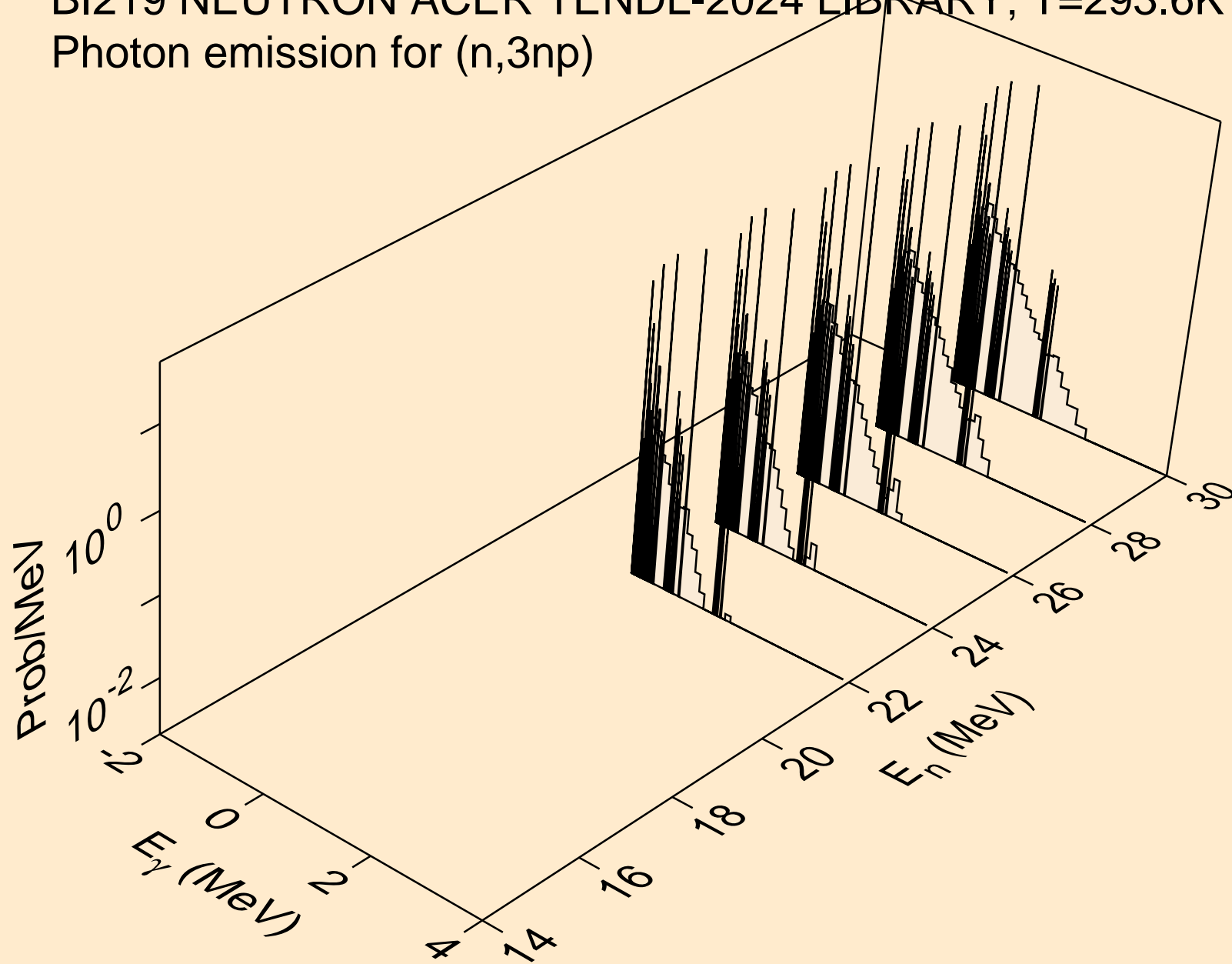
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,4n)



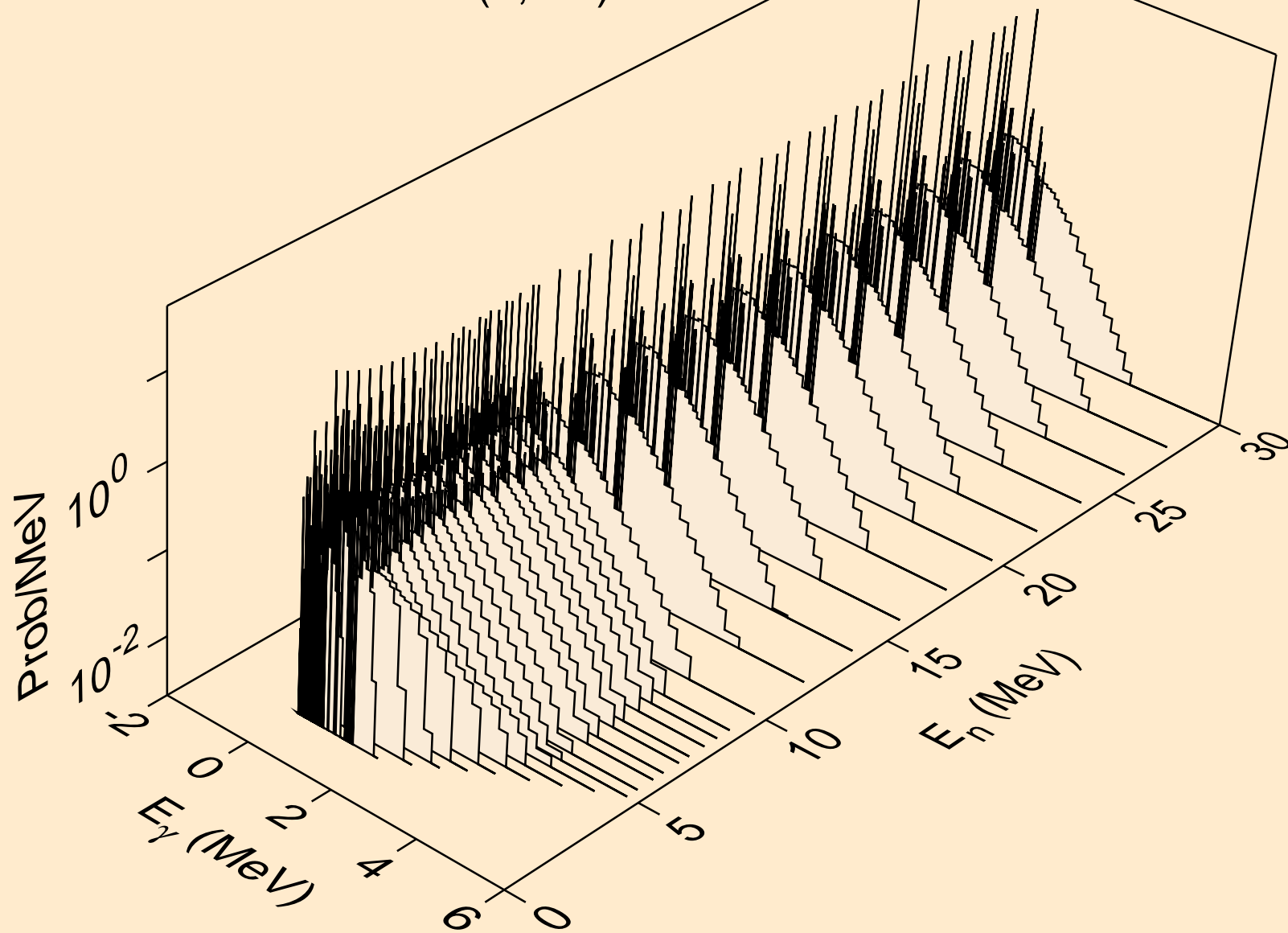
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2np)



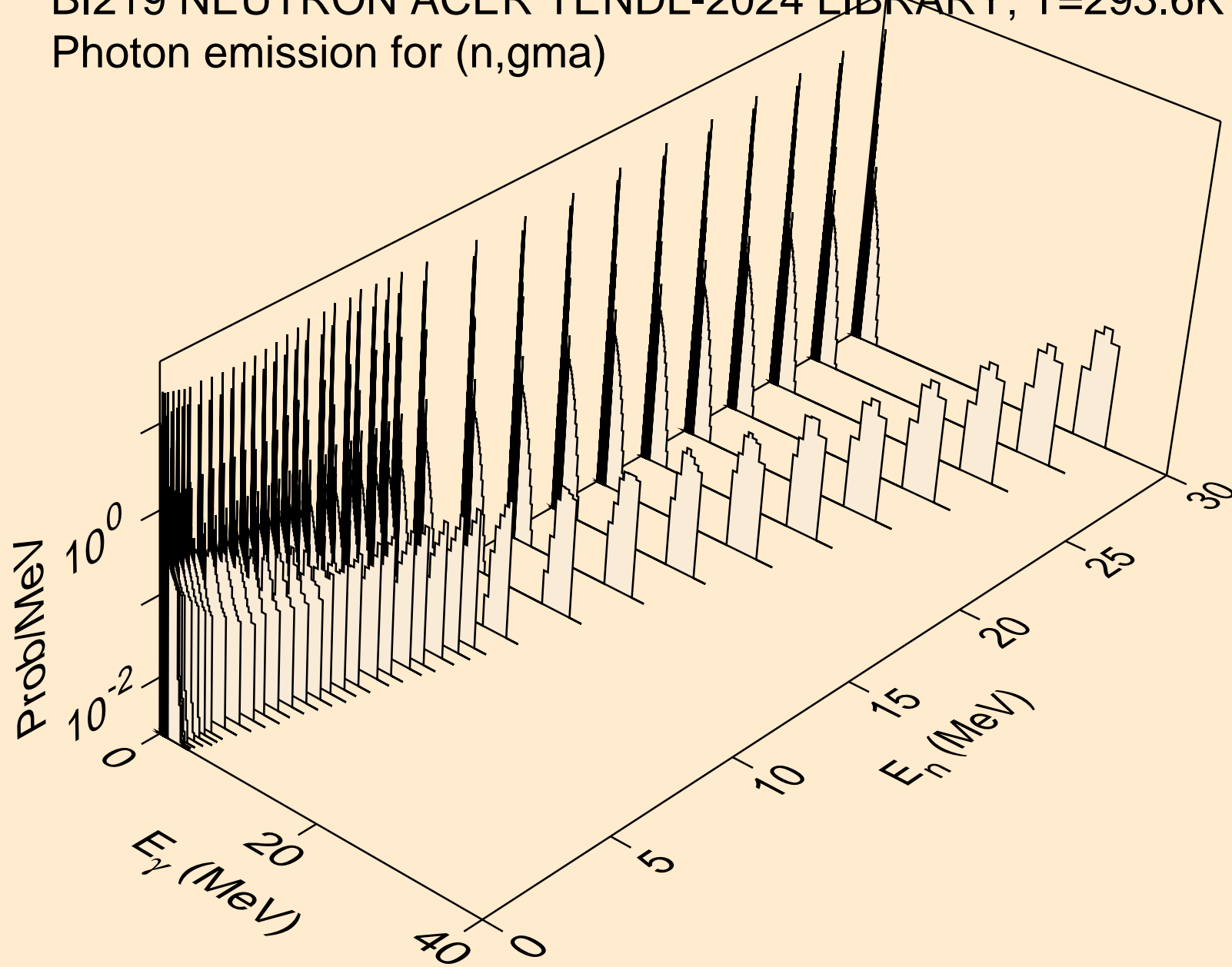
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3np)



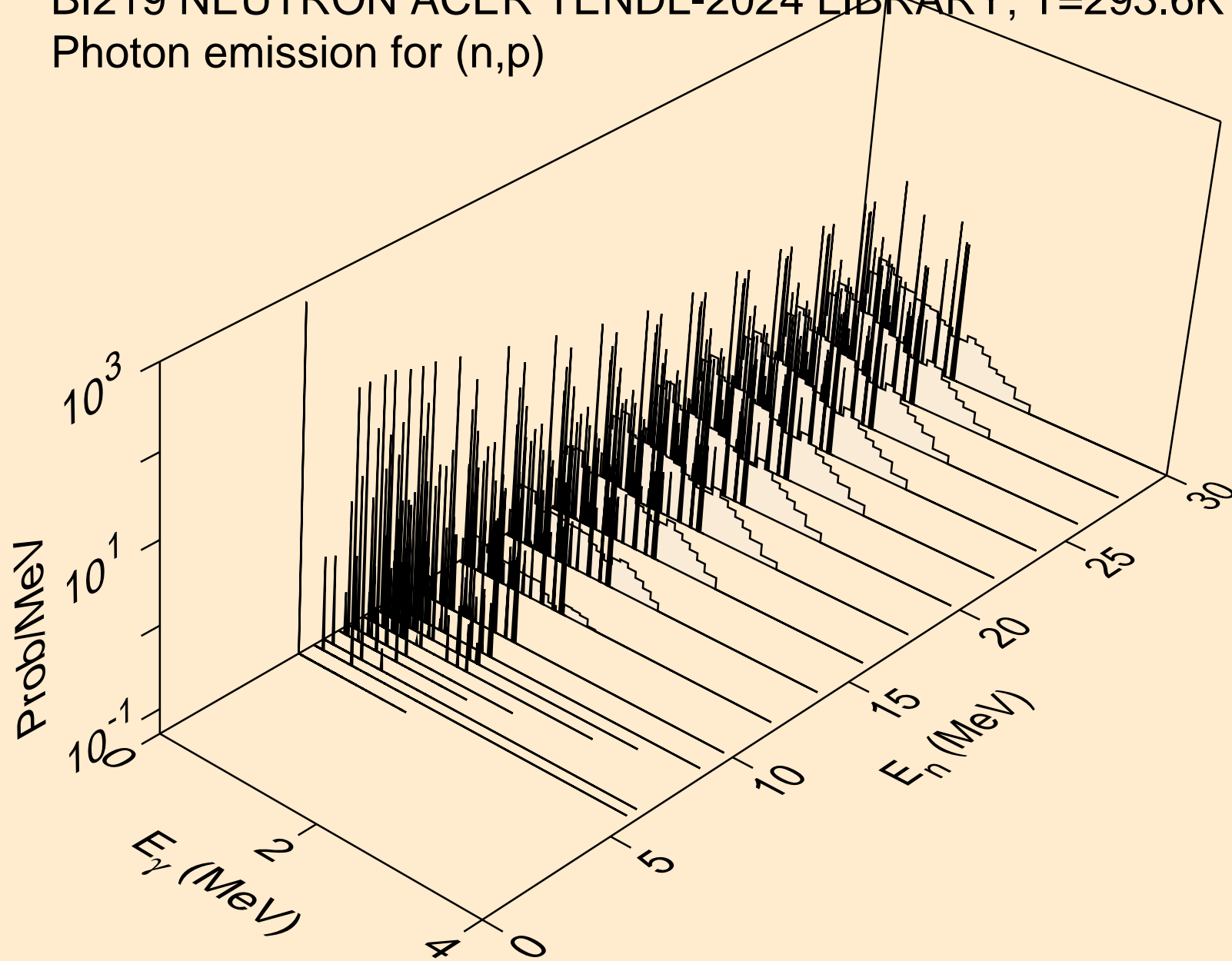
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



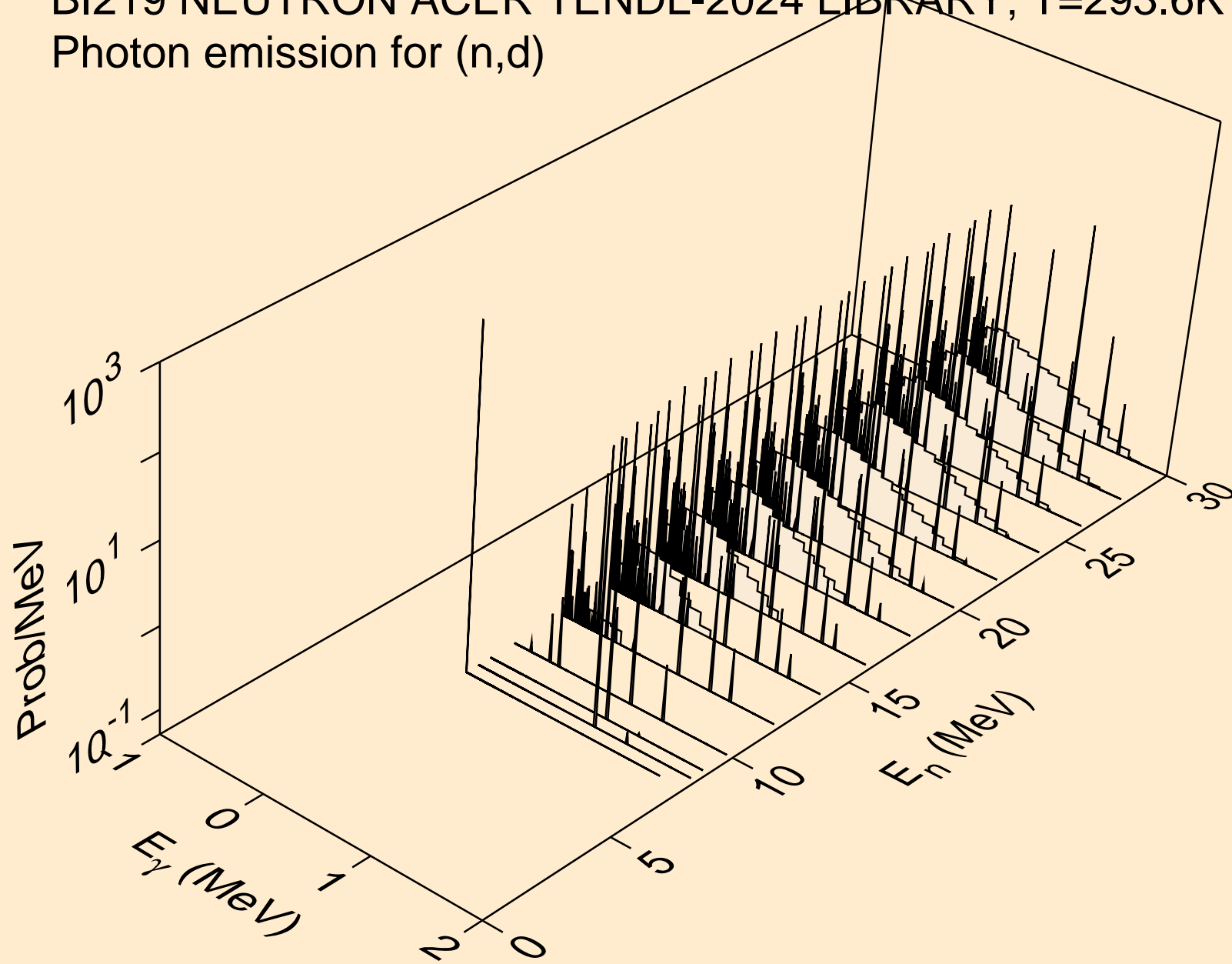
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,gma)



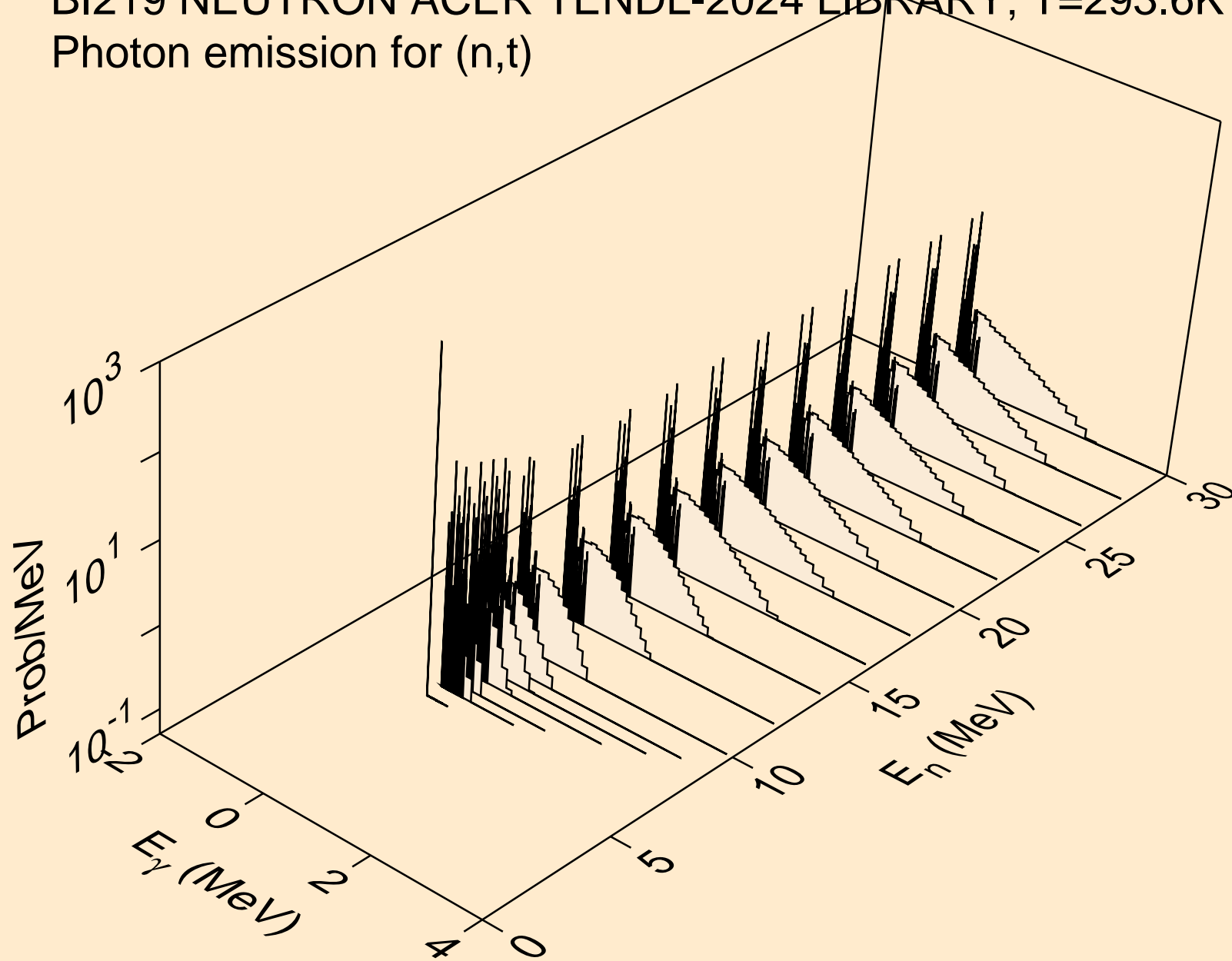
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,p)



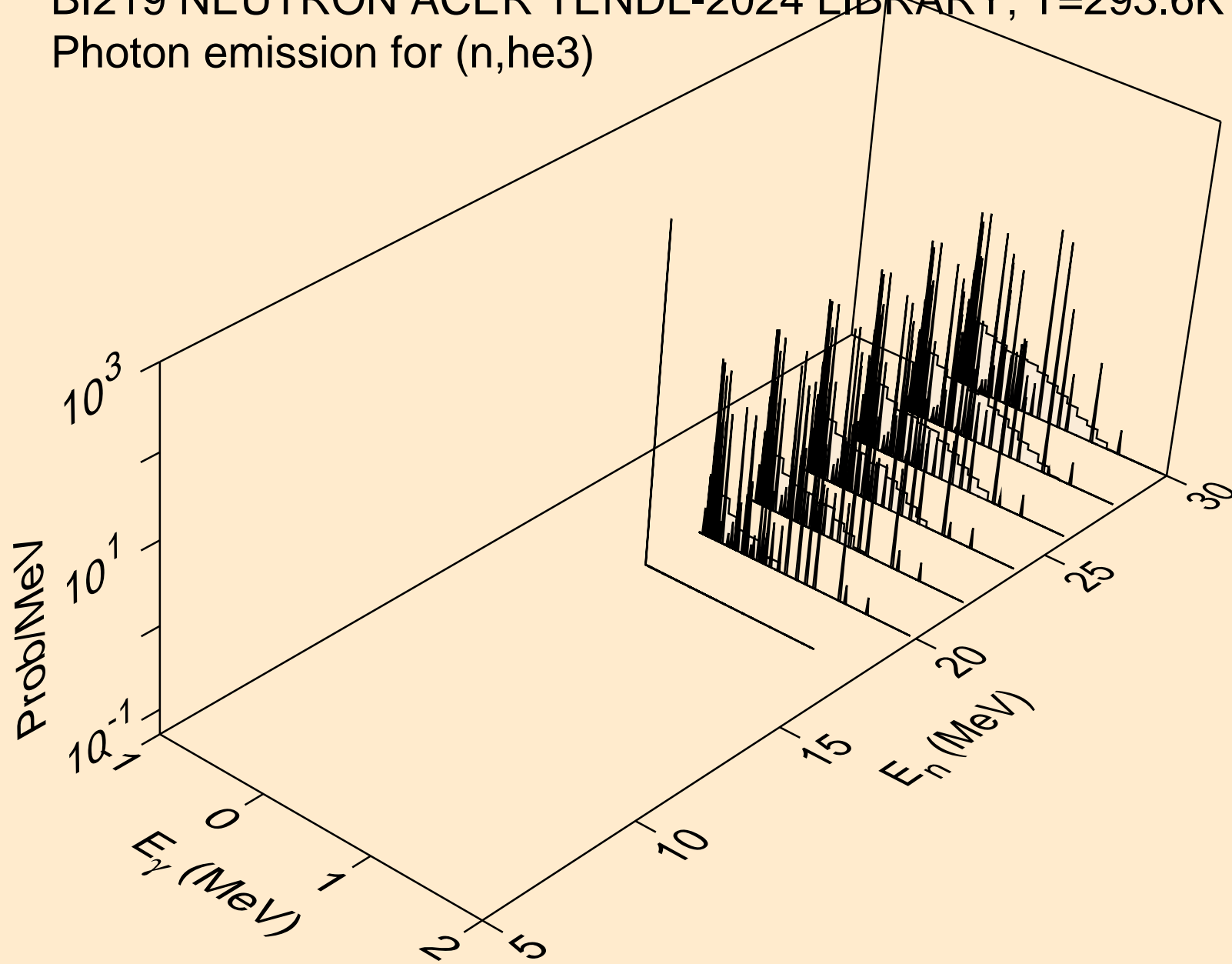
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,d)



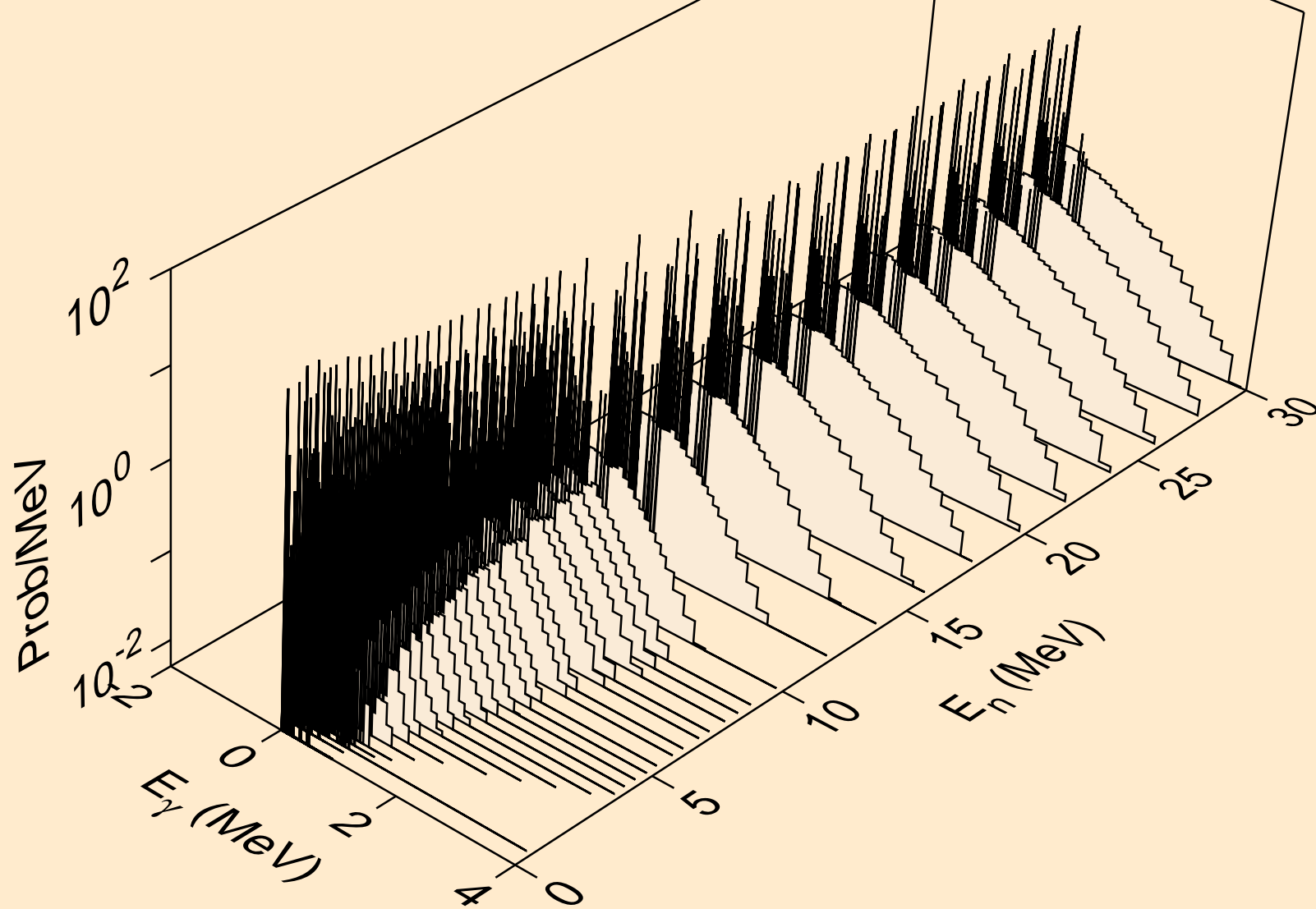
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,t)



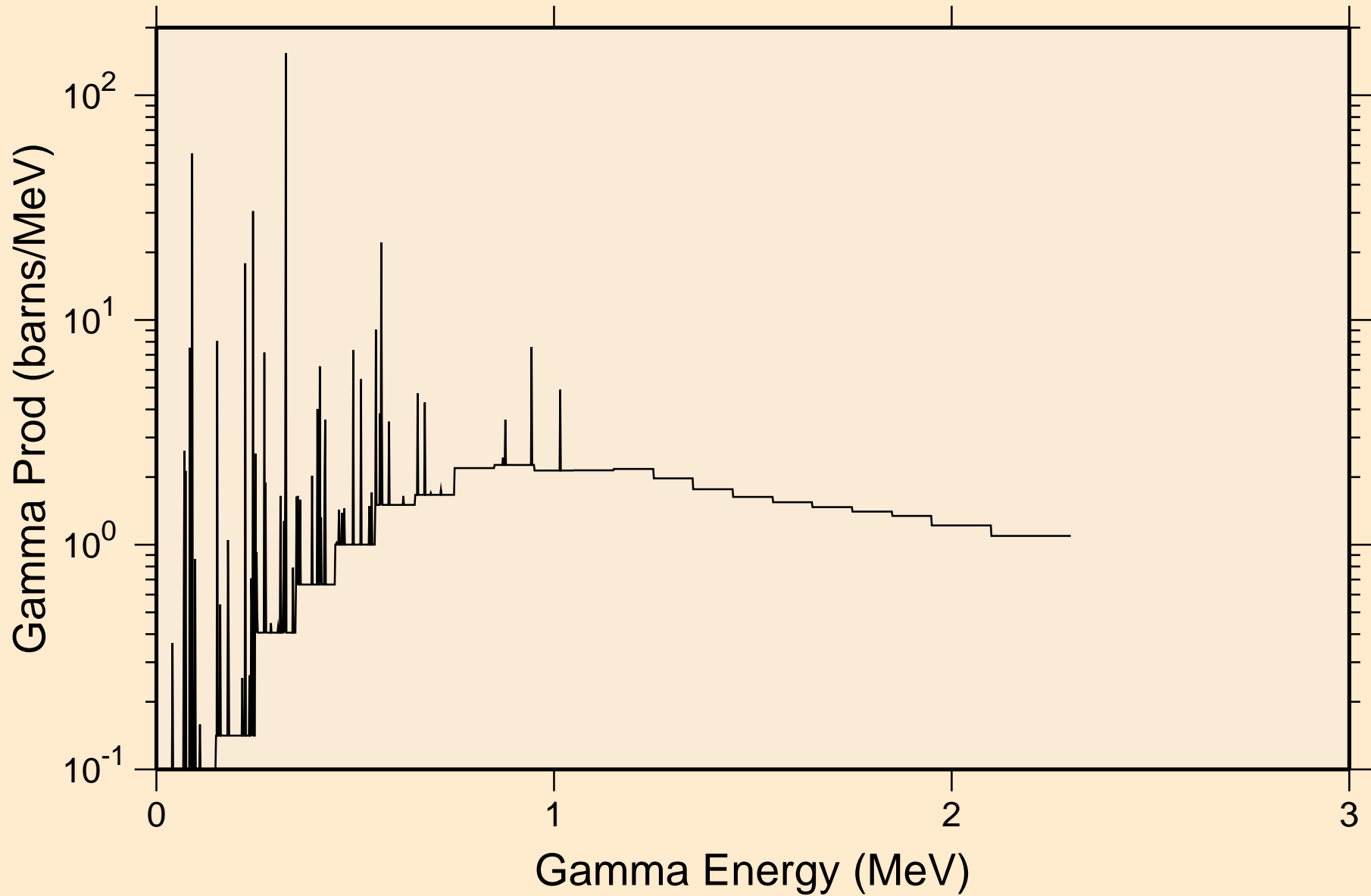
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,he3)



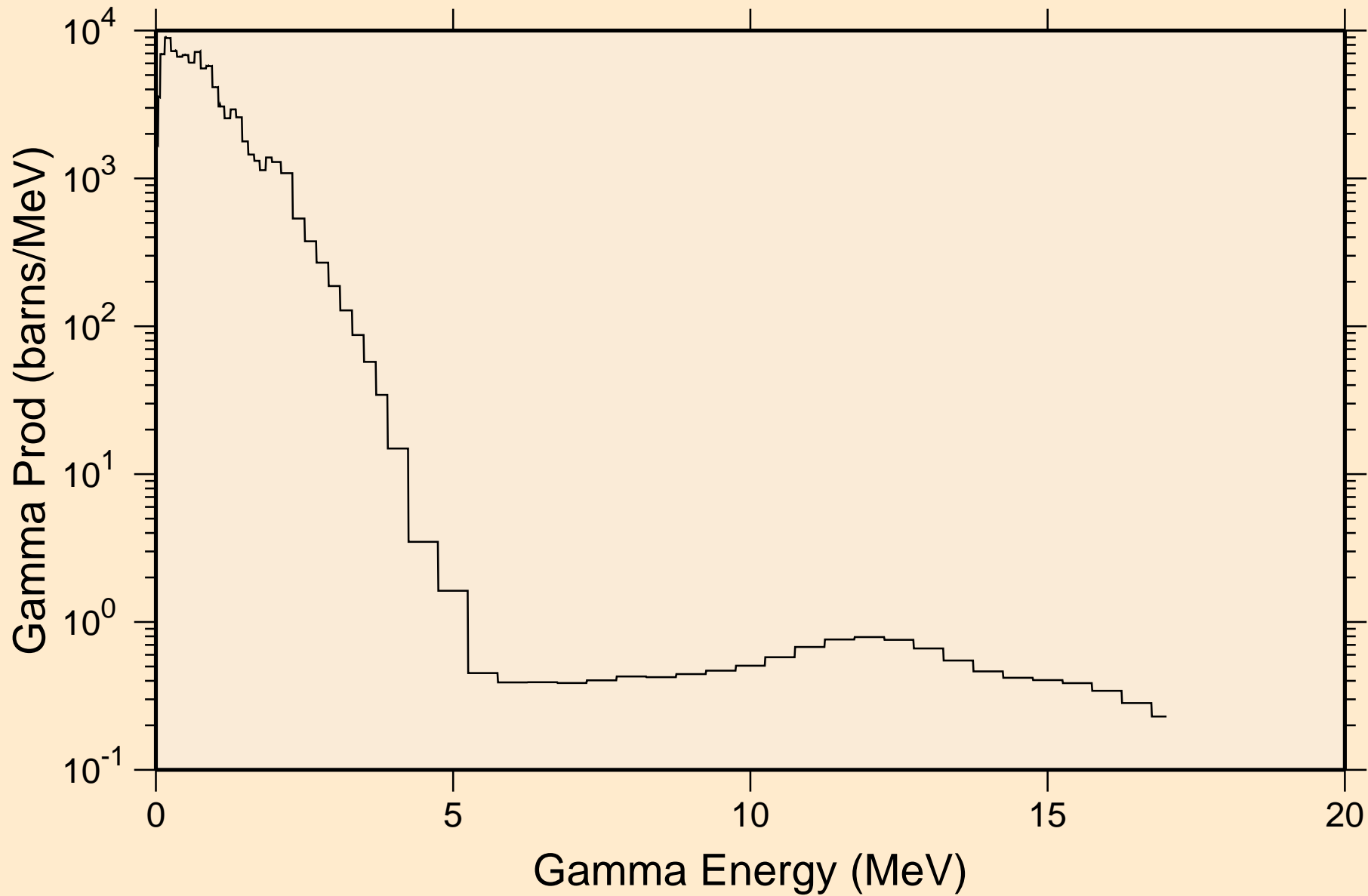
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,a)



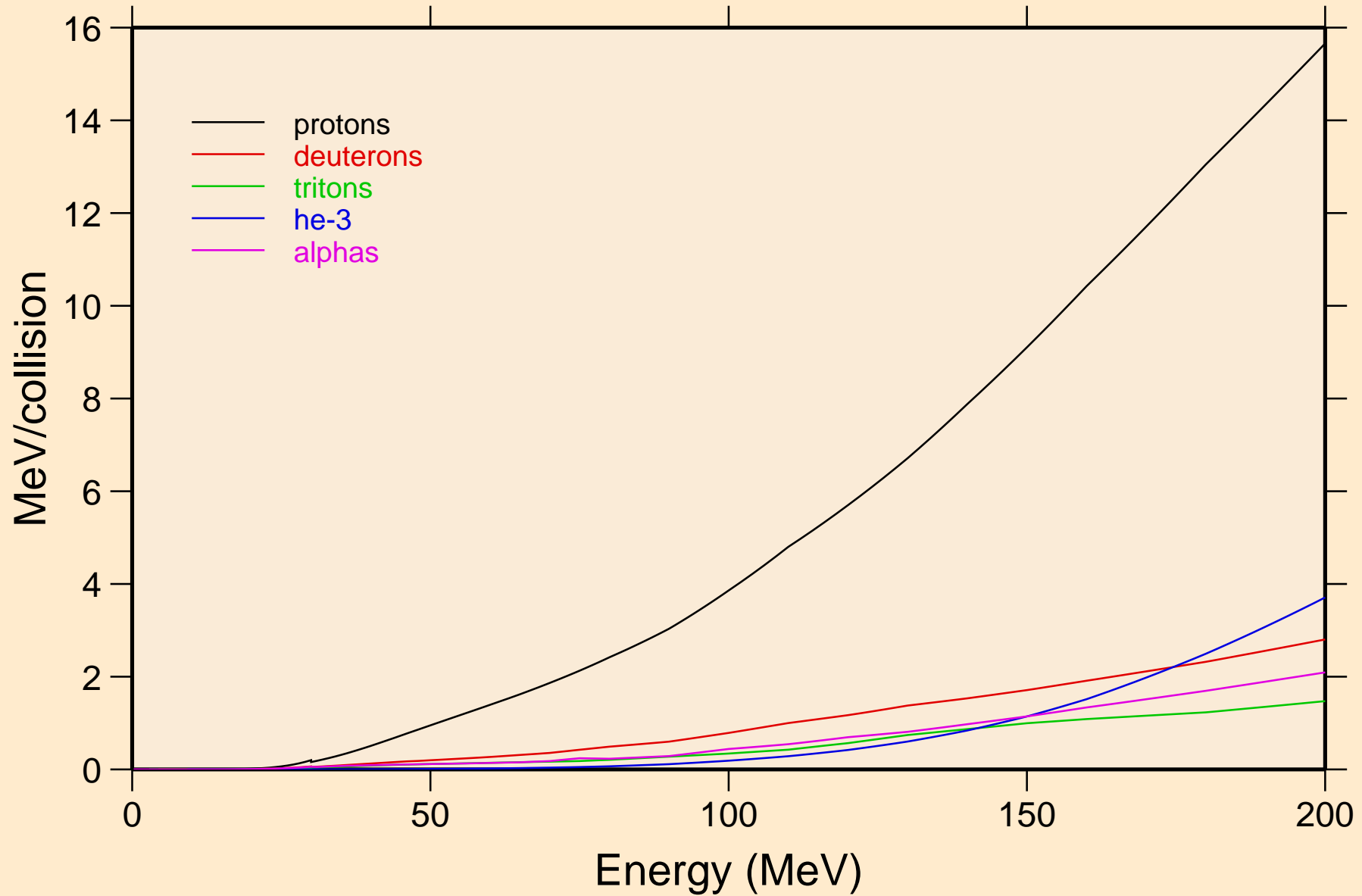
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
thermal capture photon spectrum



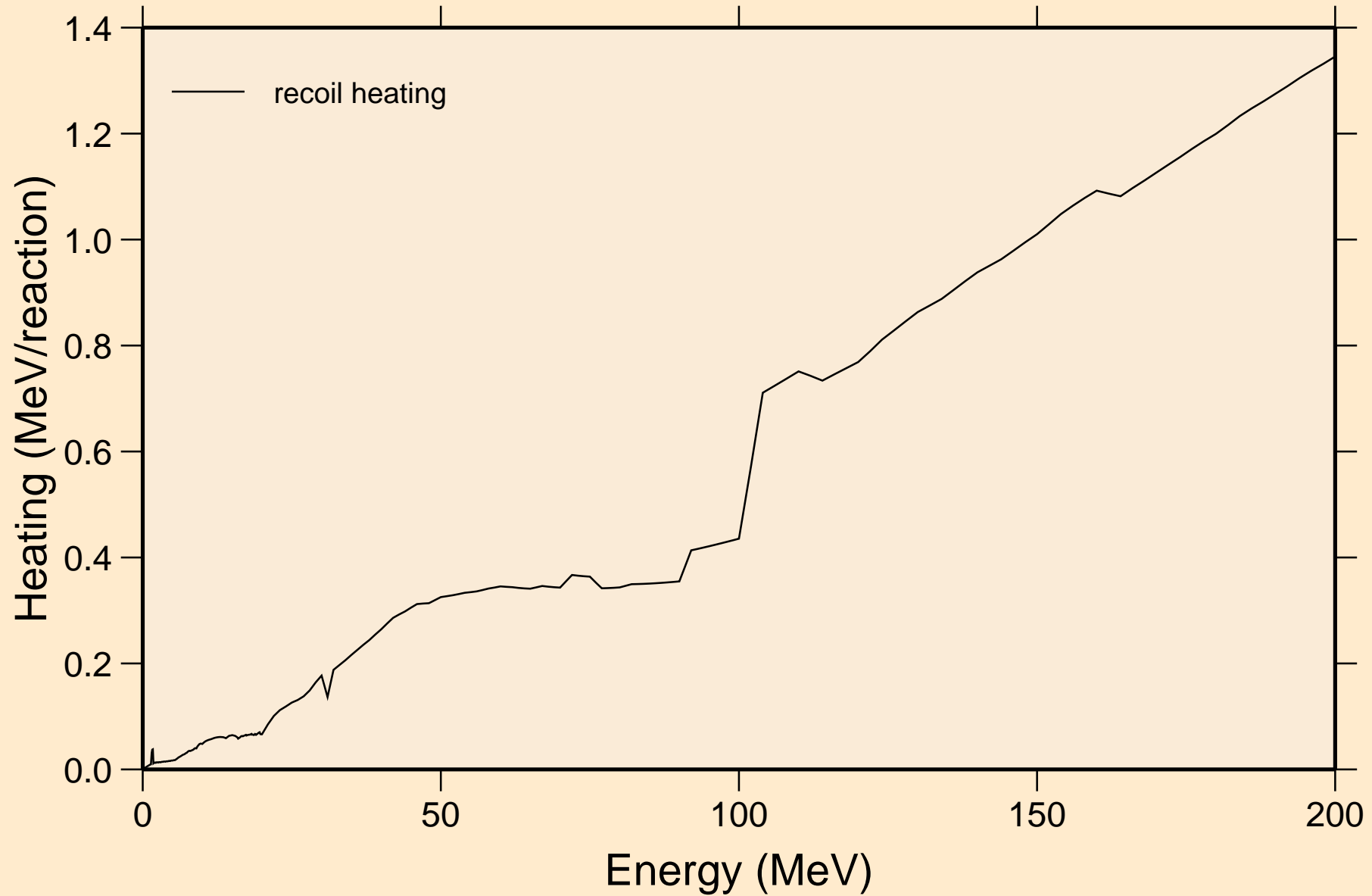
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
14 MeV photon spectrum



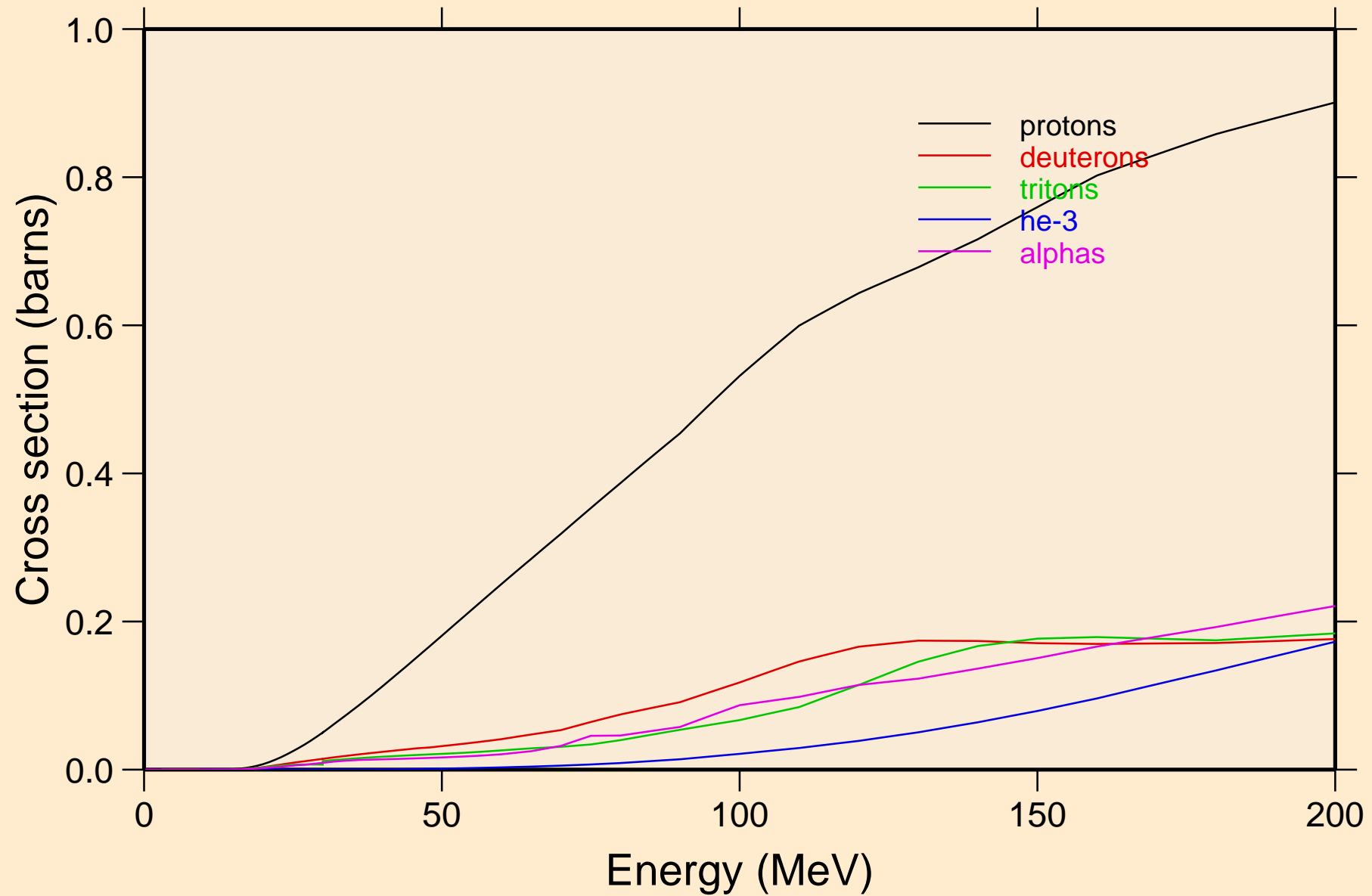
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Particle heating contributions



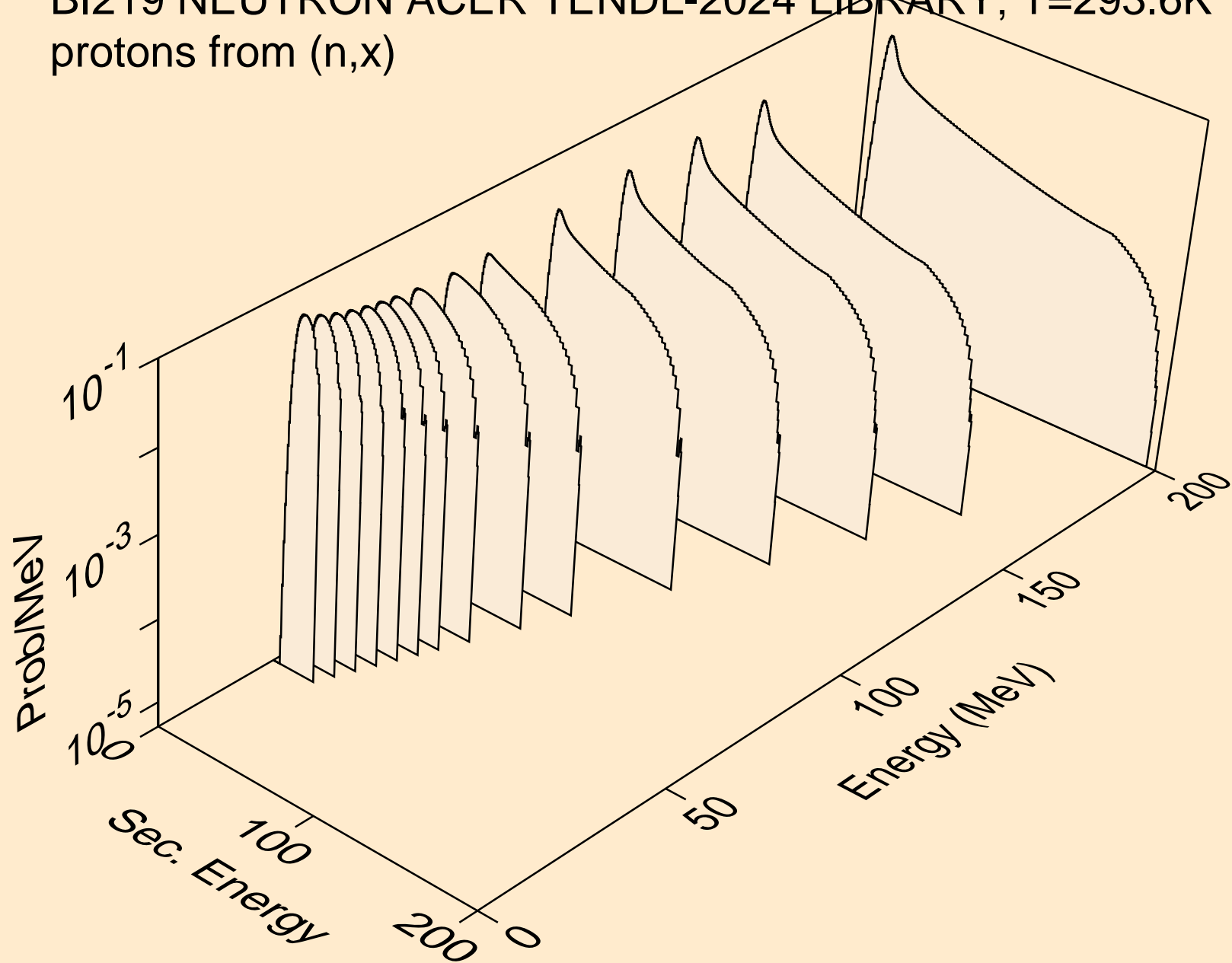
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Recoil Heating



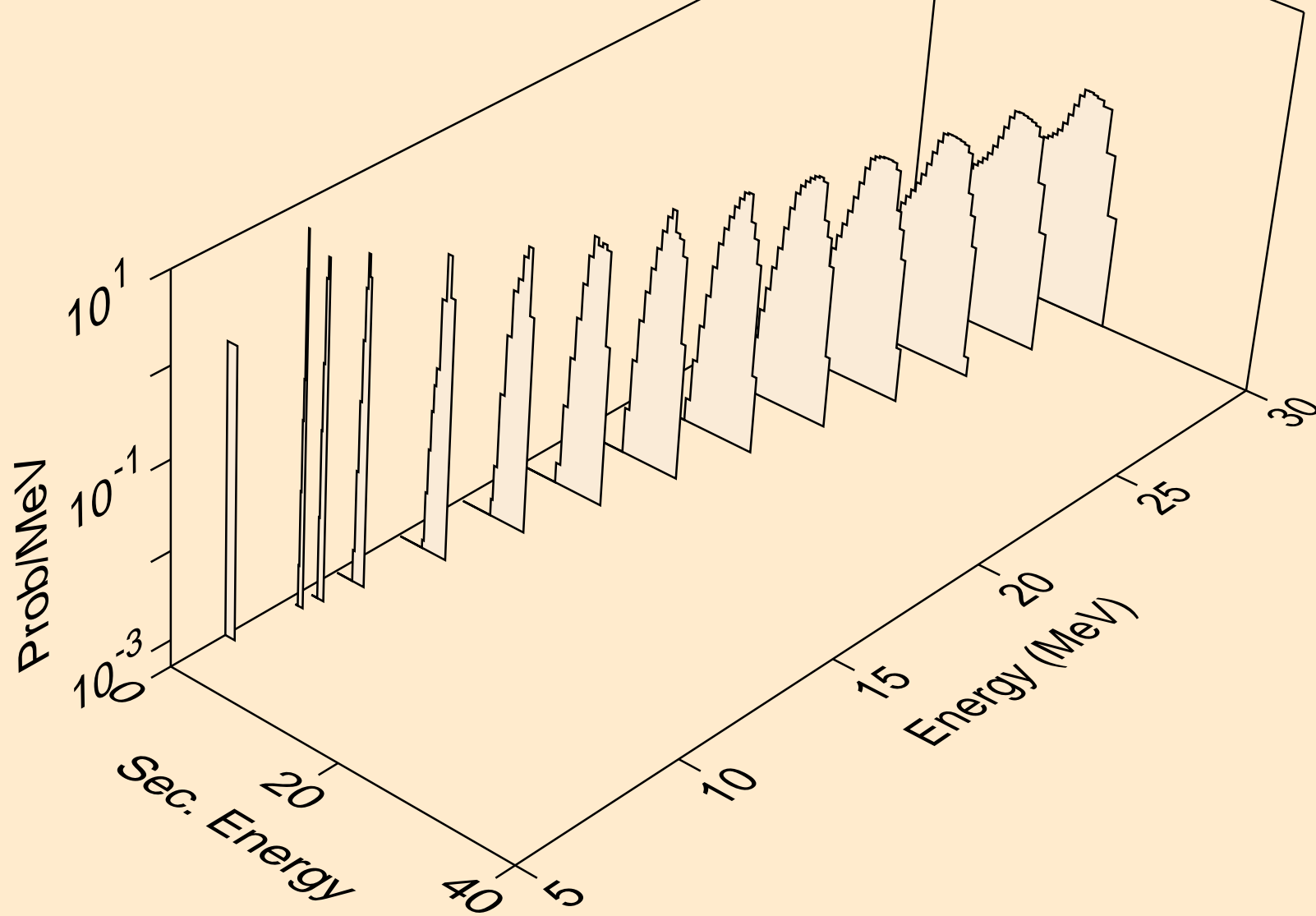
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Particle production cross sections



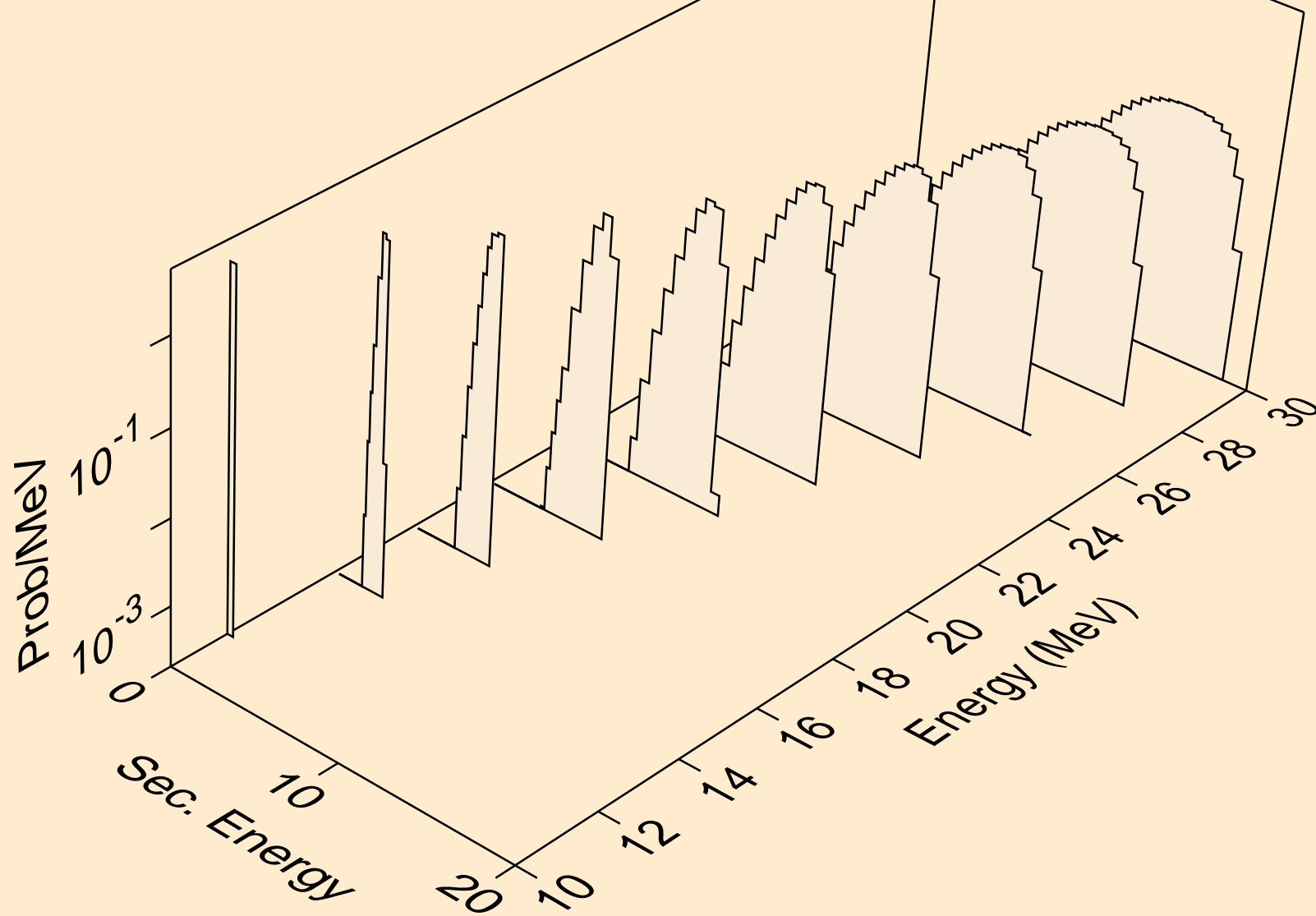
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,x)



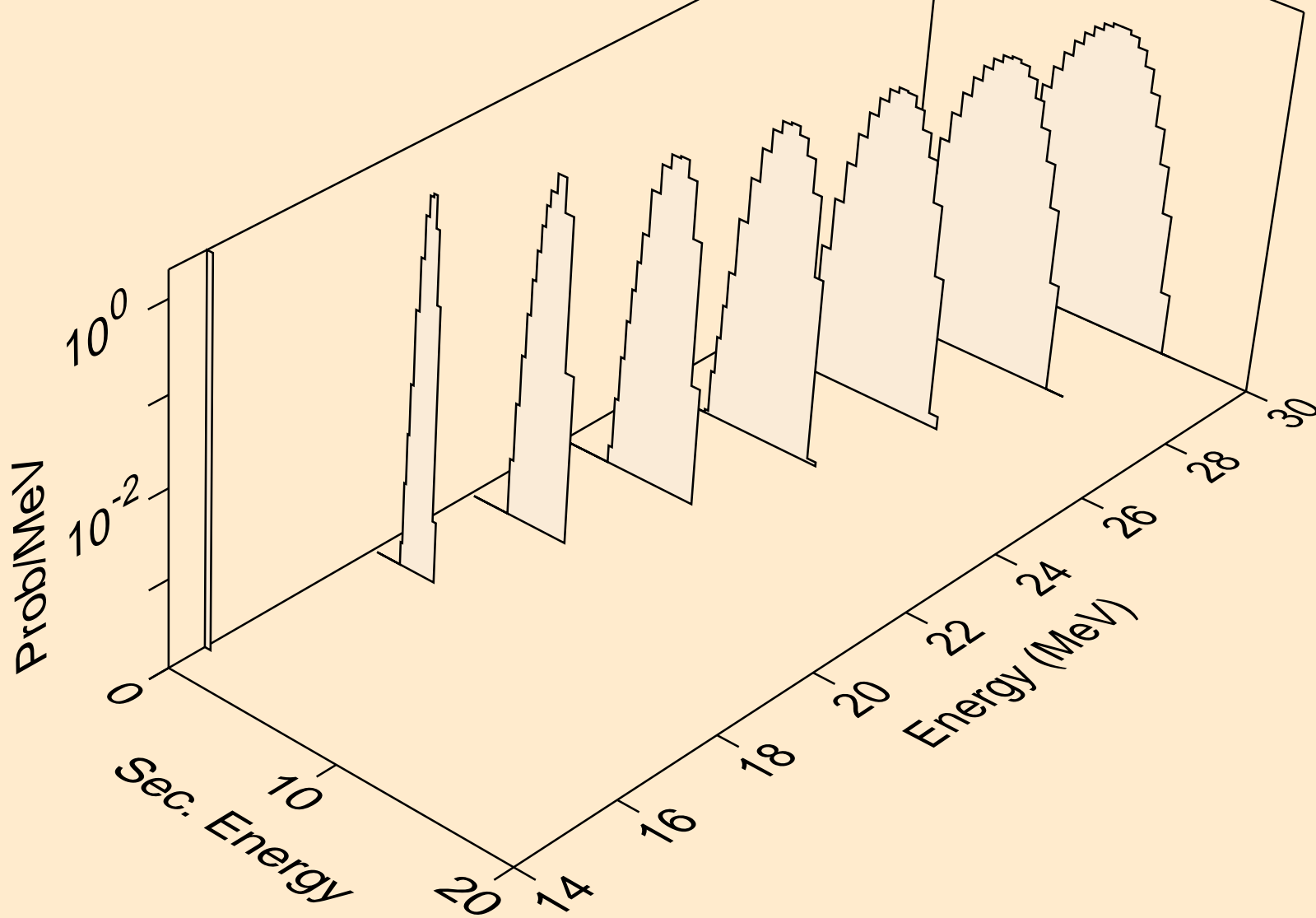
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,n\*)p



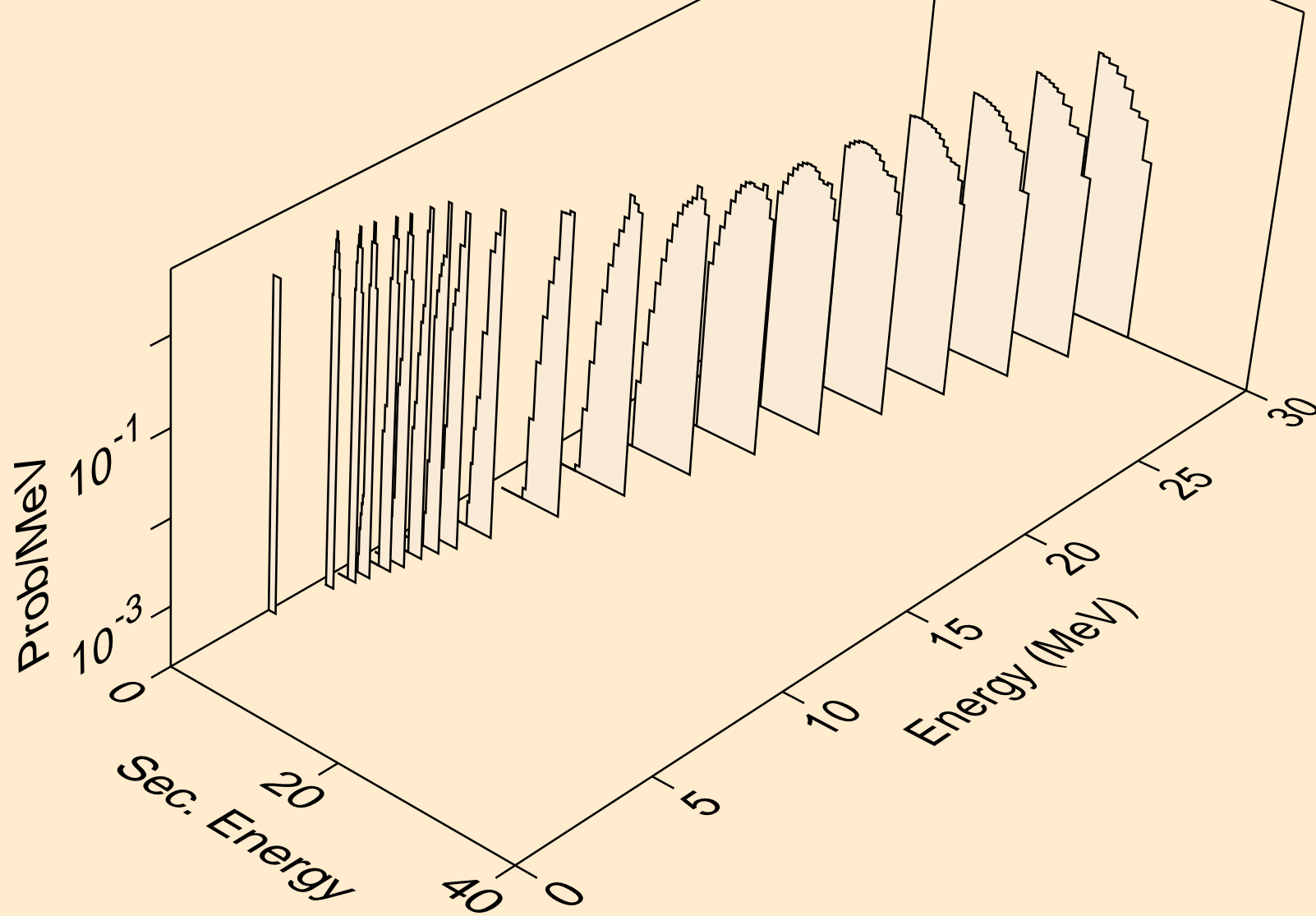
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,2np)



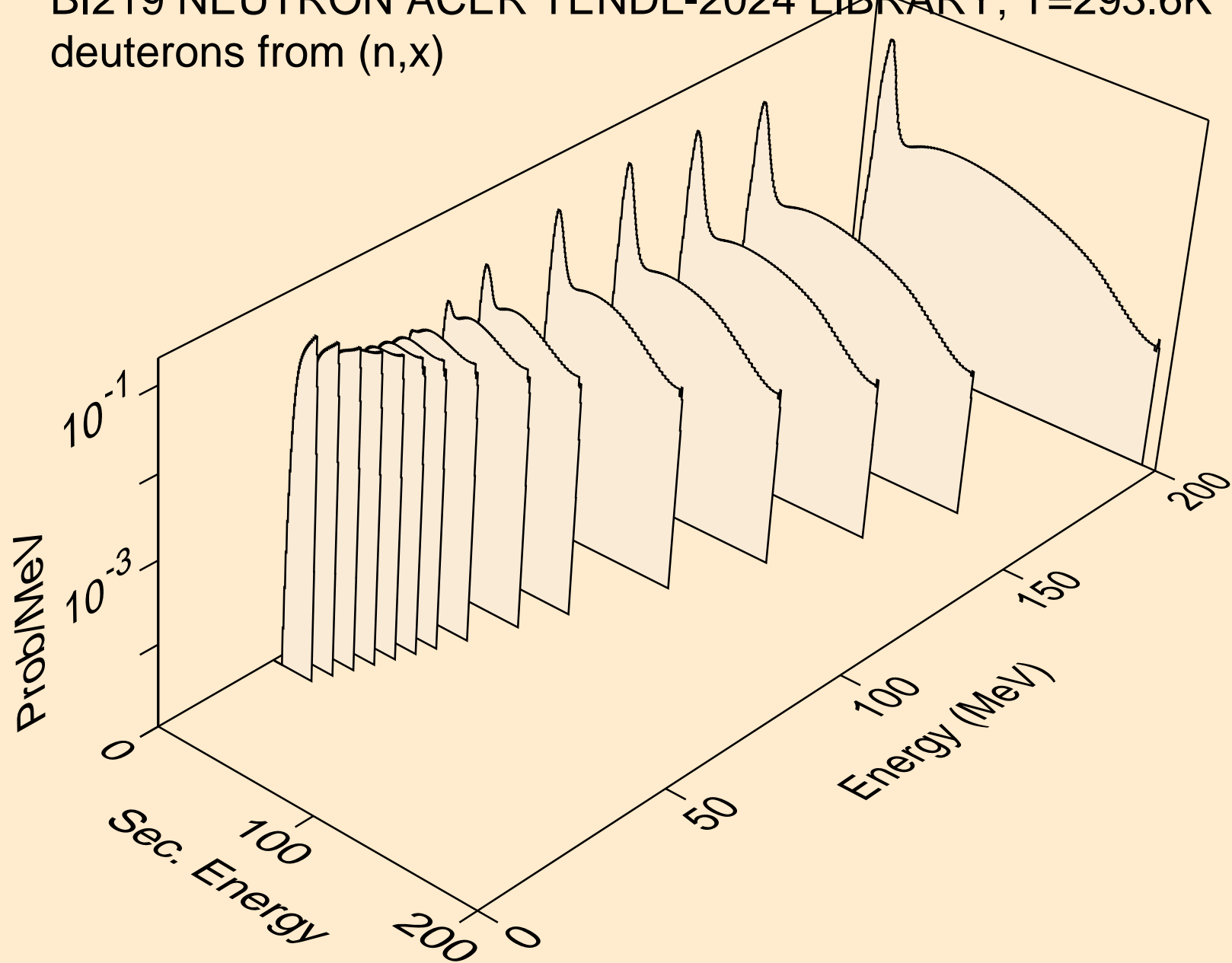
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,3np)



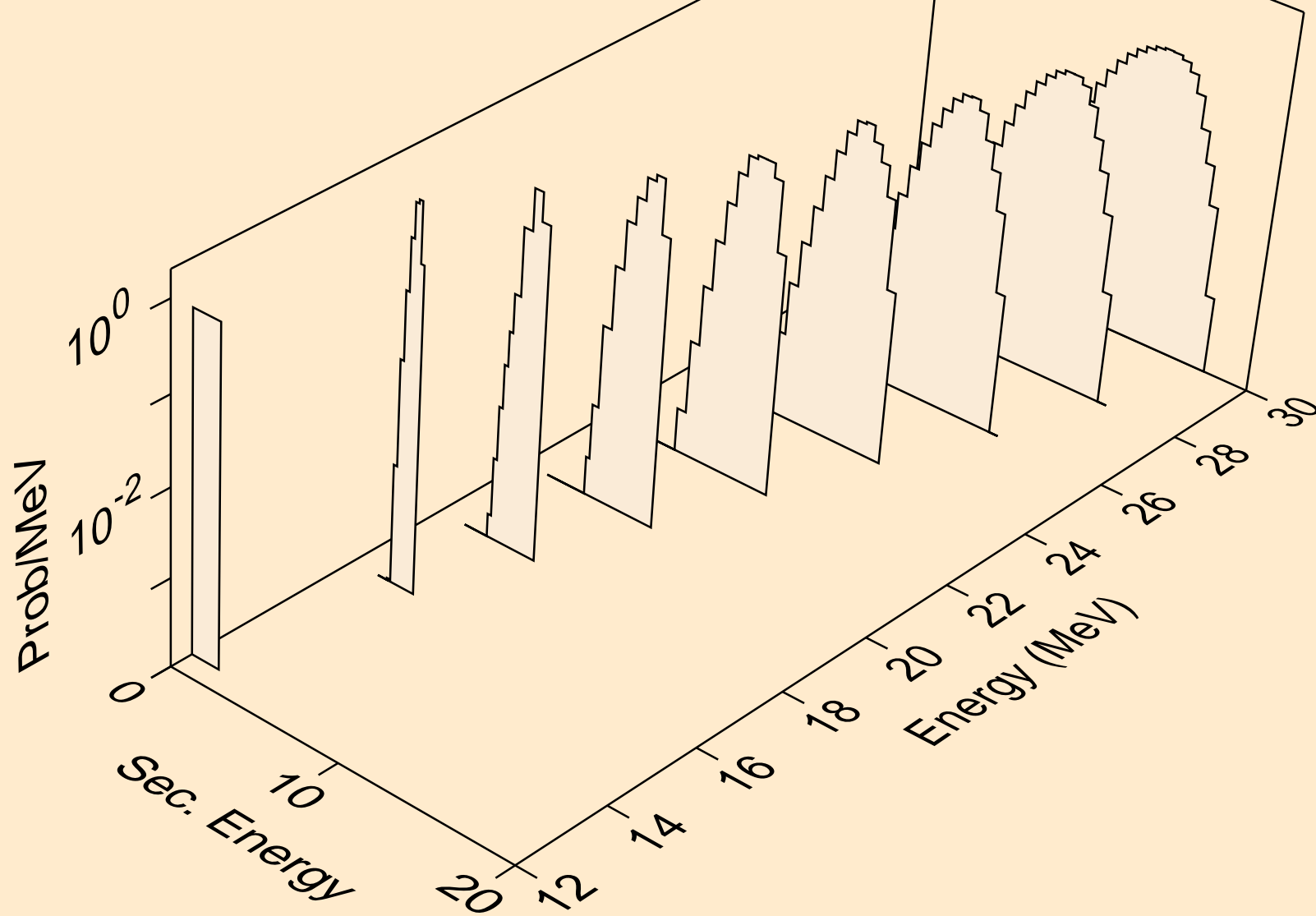
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,p)



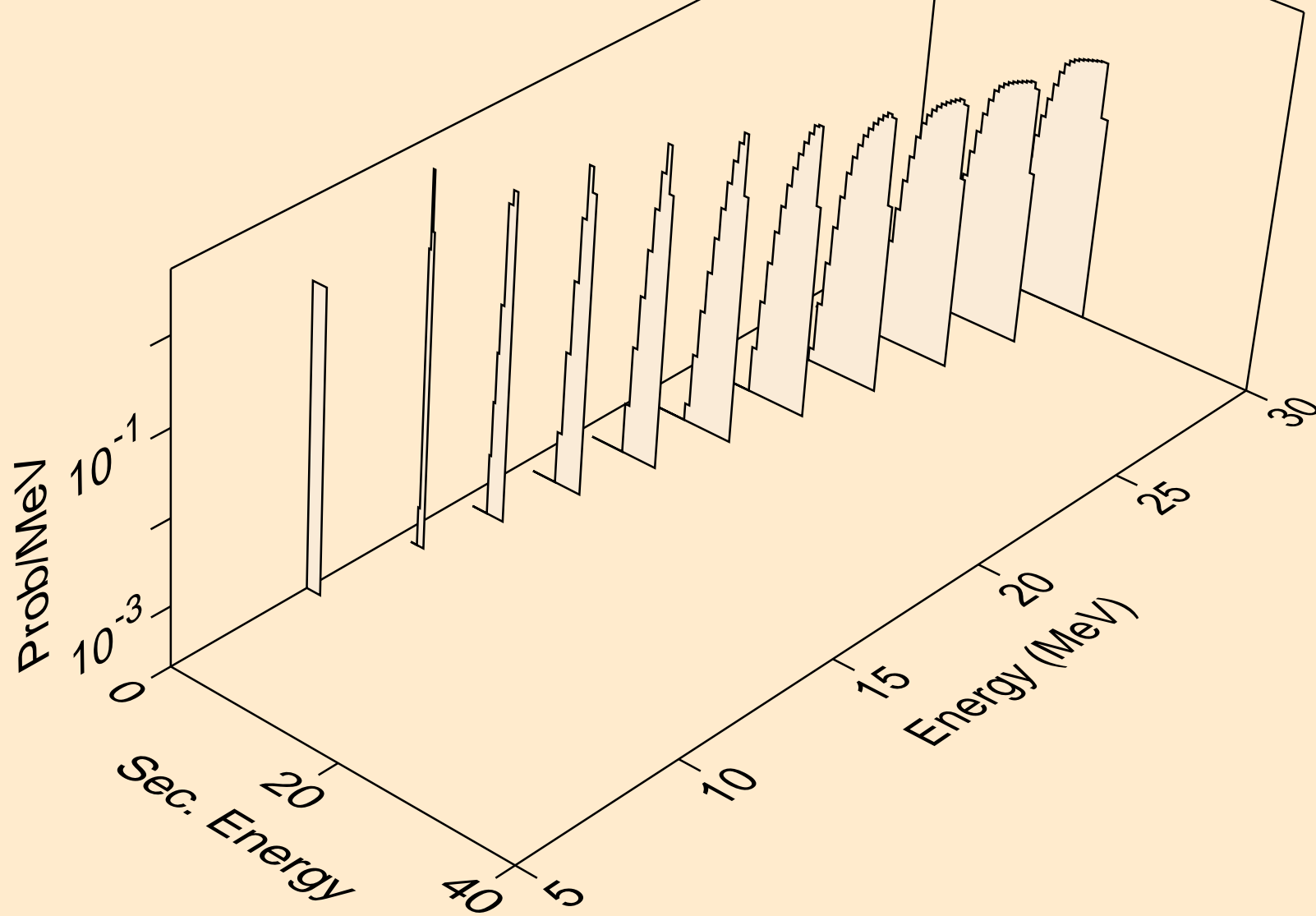
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,x)



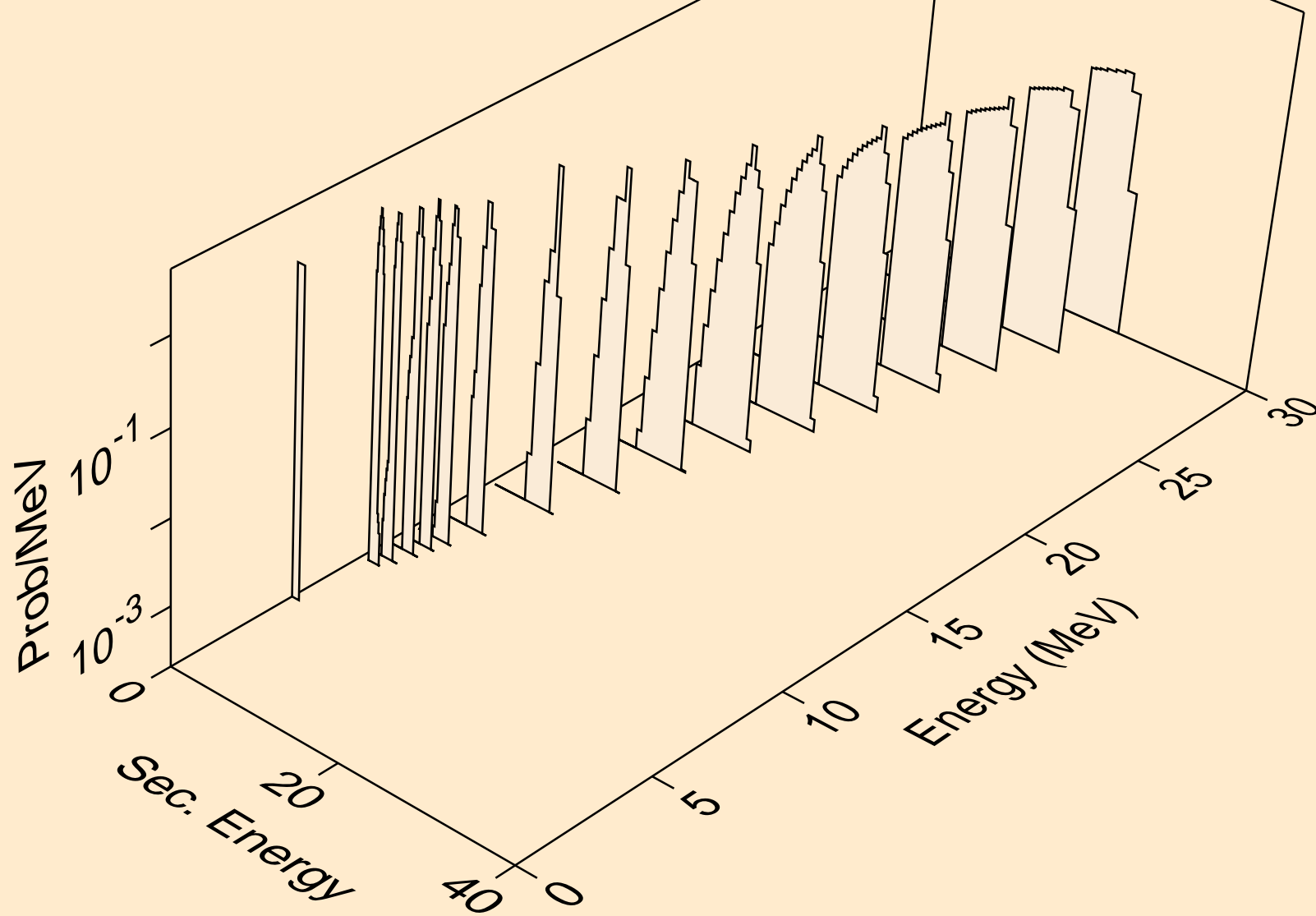
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,2nd)



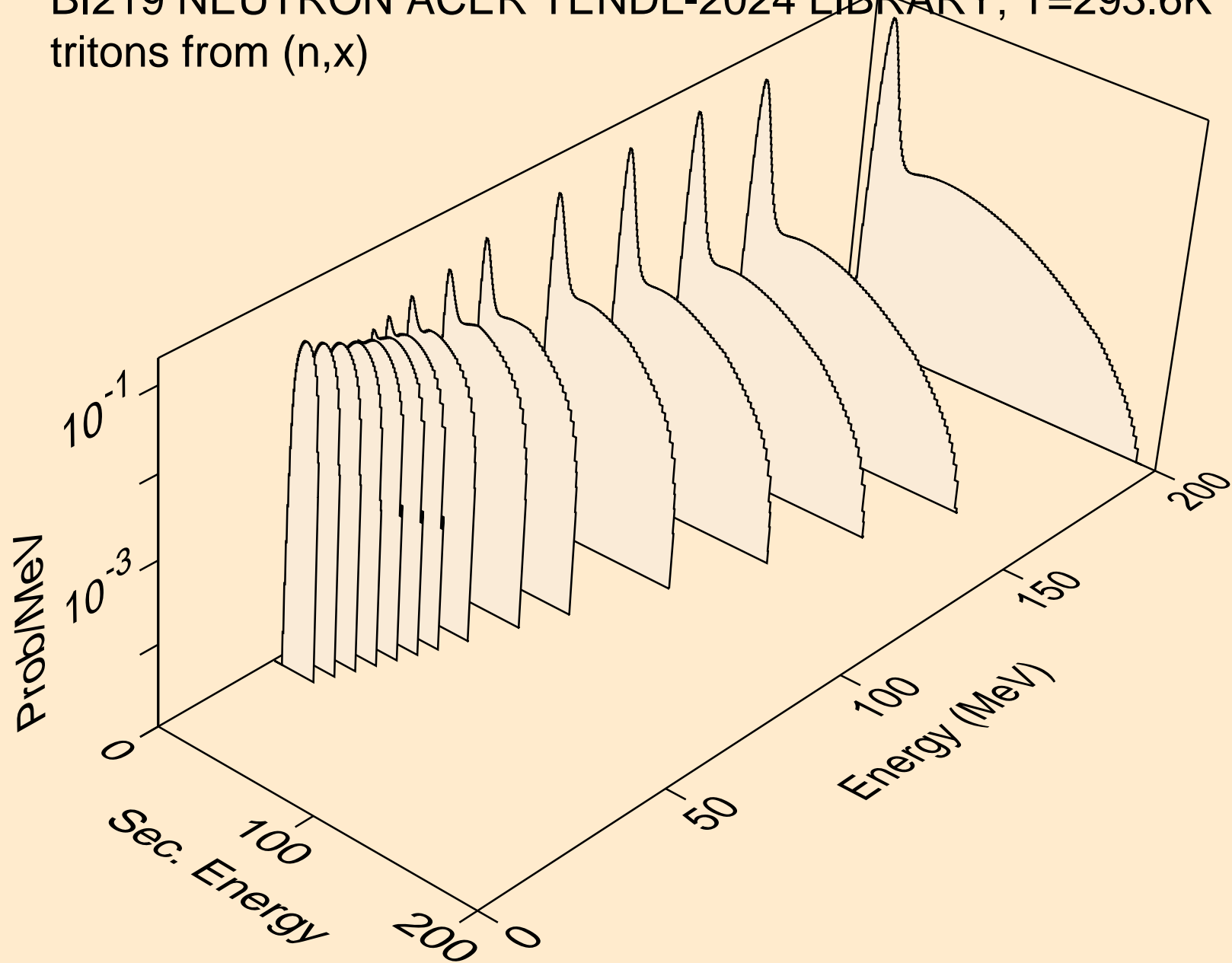
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



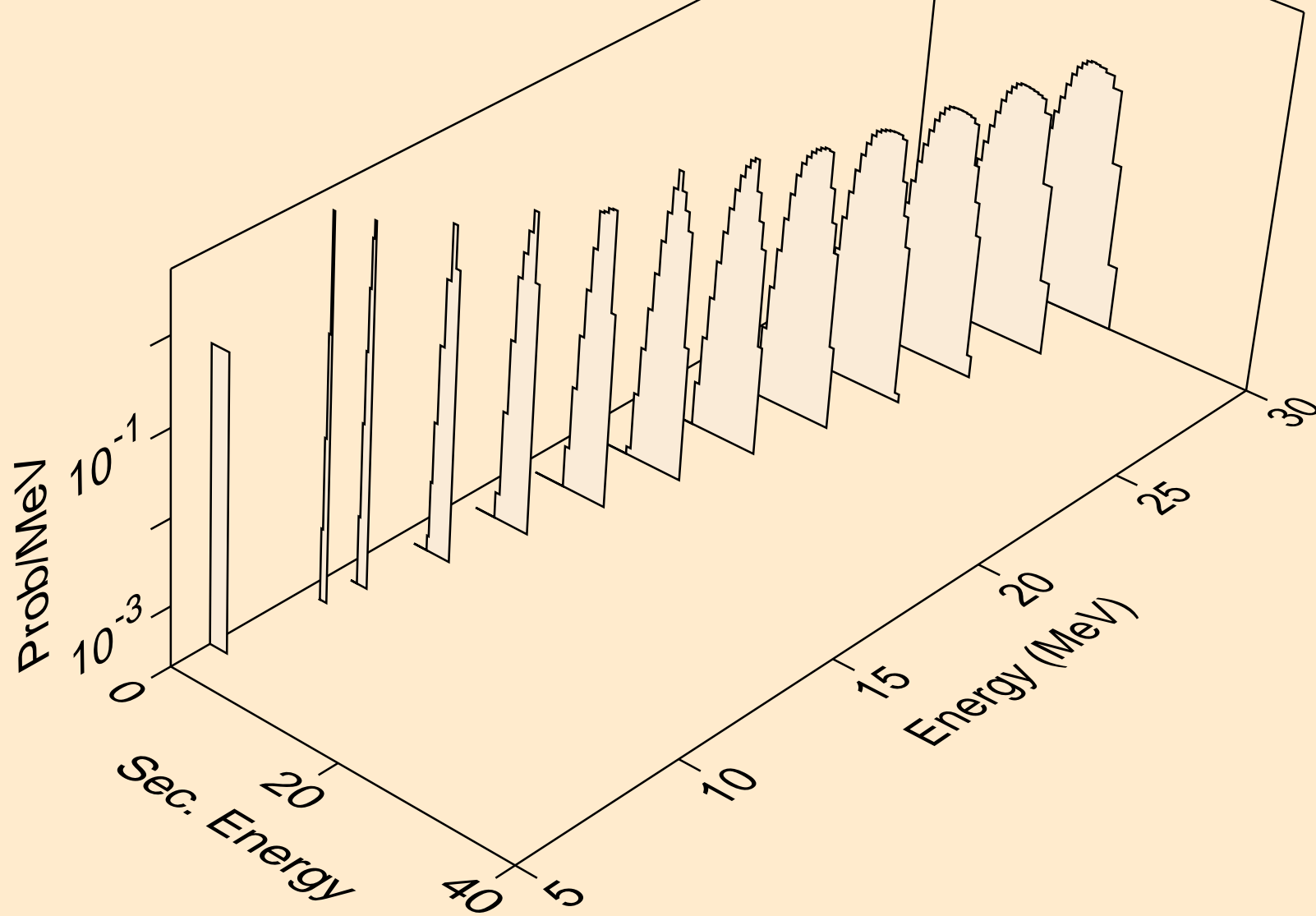
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,d)



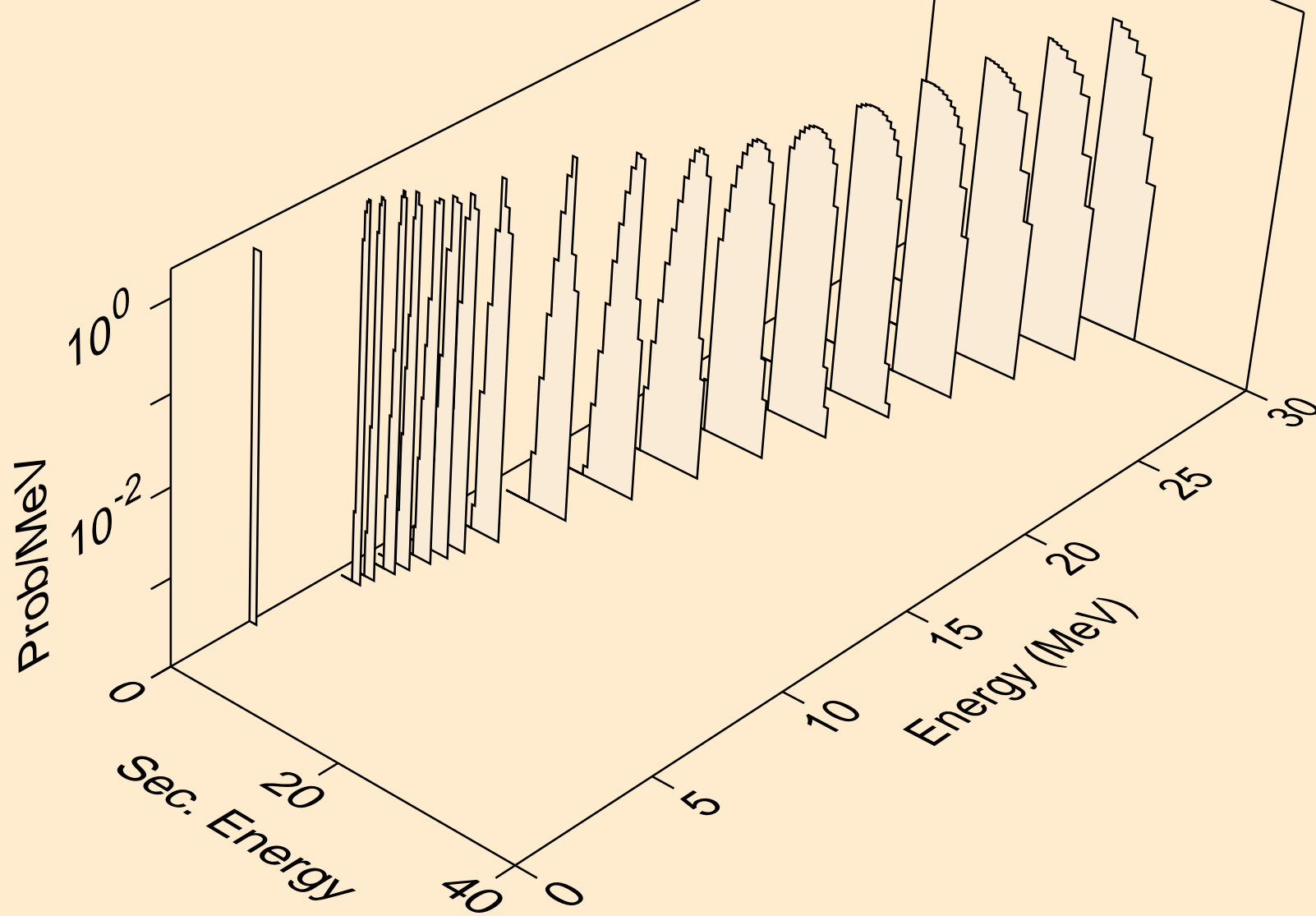
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,x)



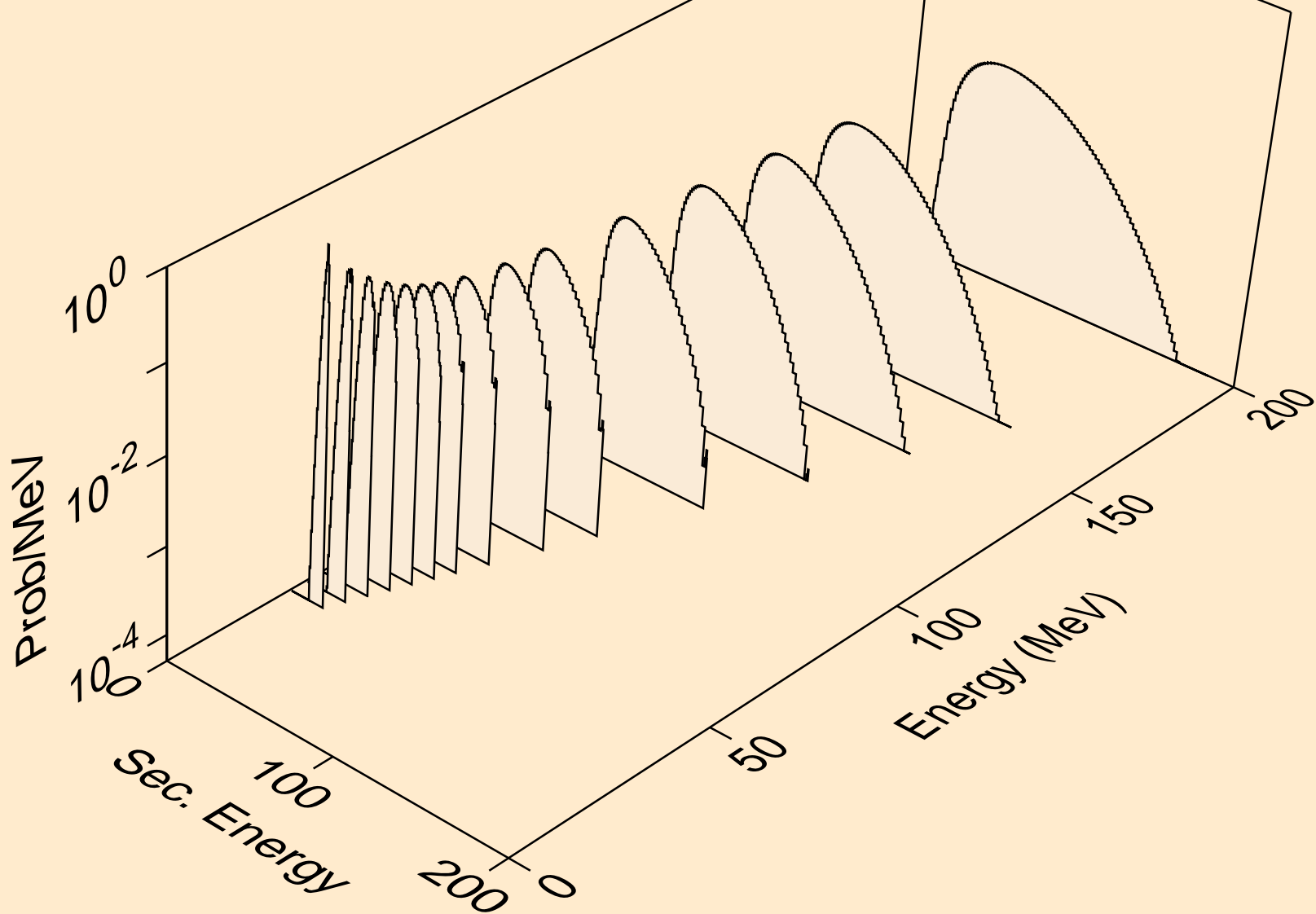
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,n\*)t



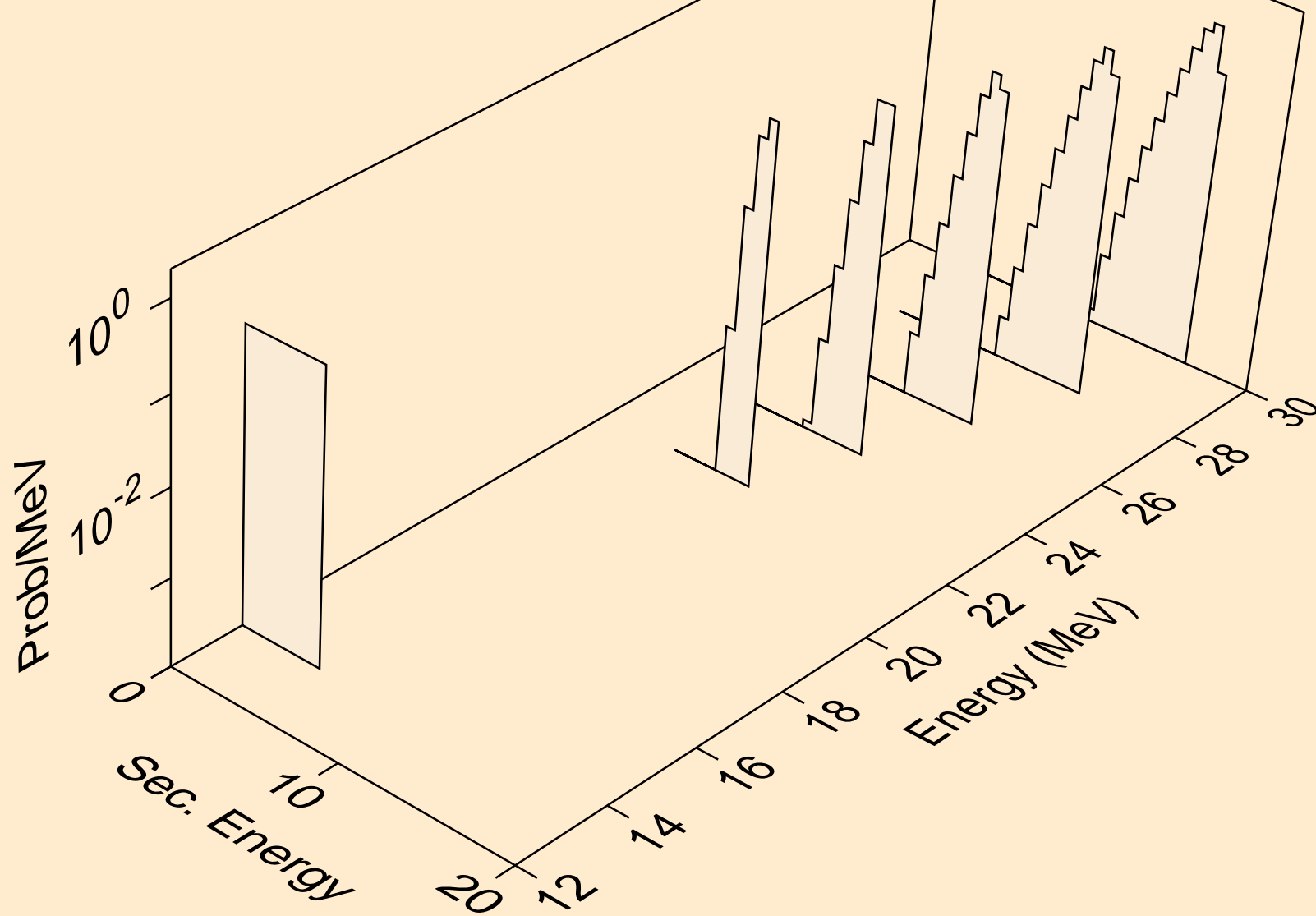
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,t)



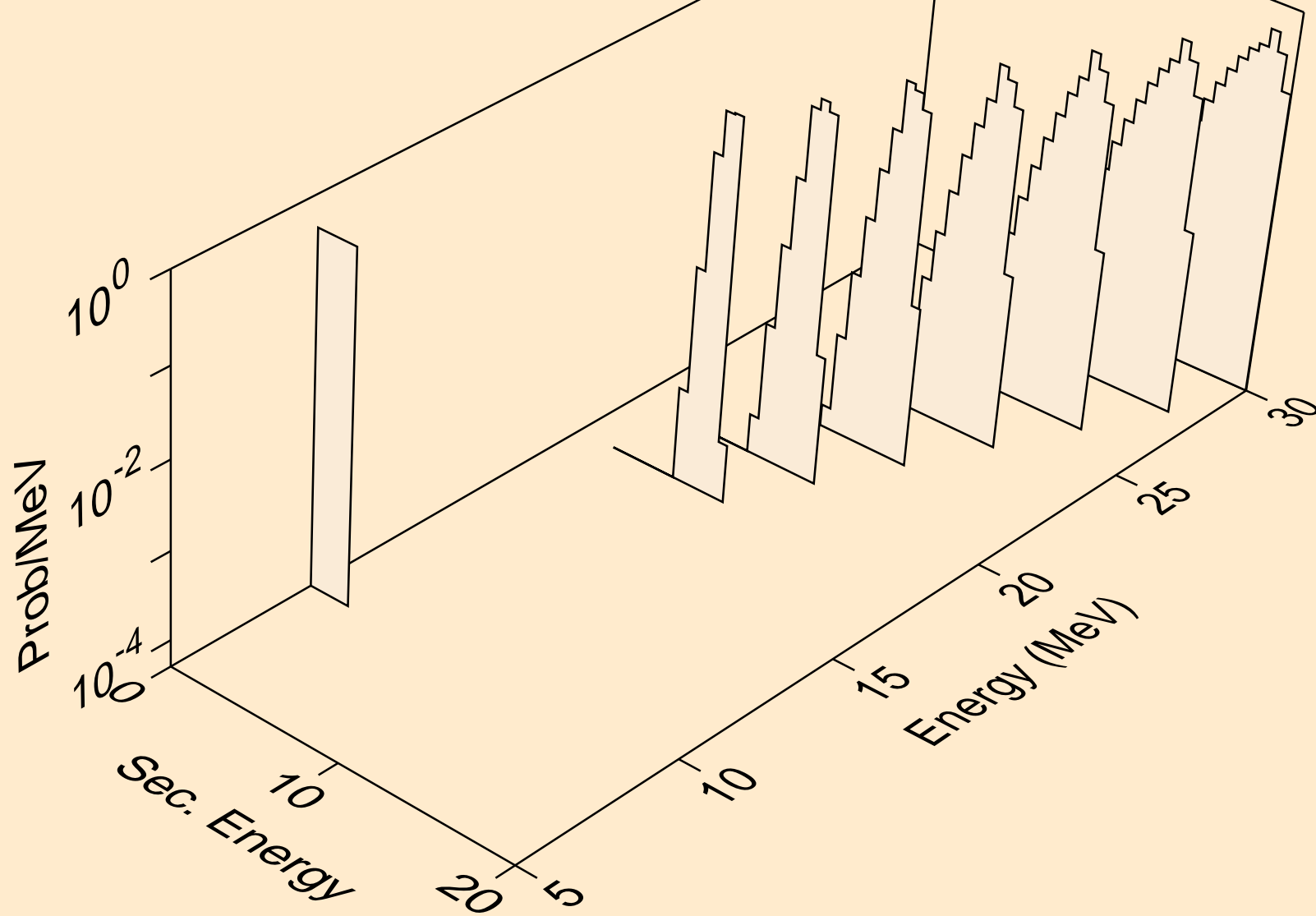
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
he3s from (n,x)



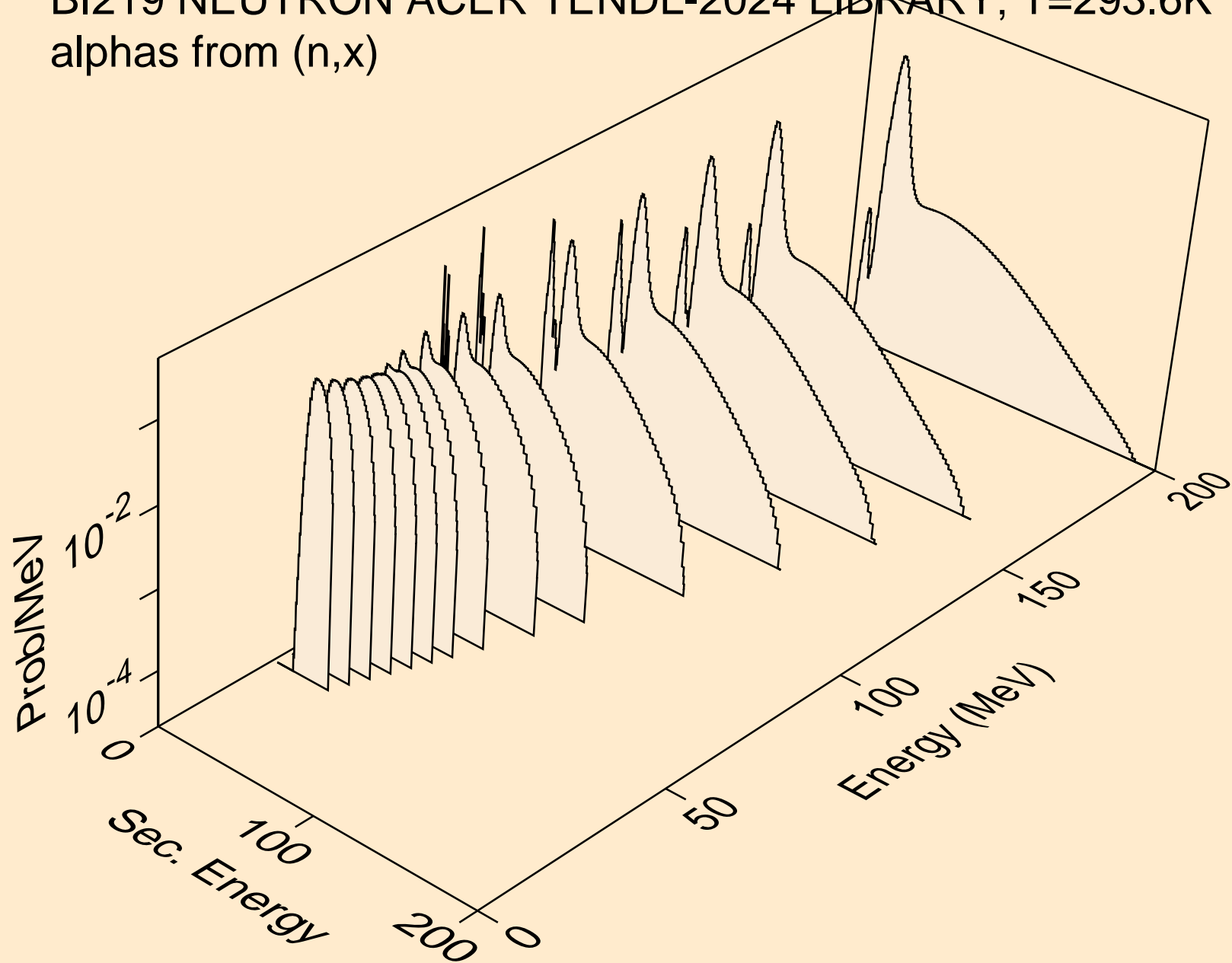
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
he3s from (n,n\*)he3



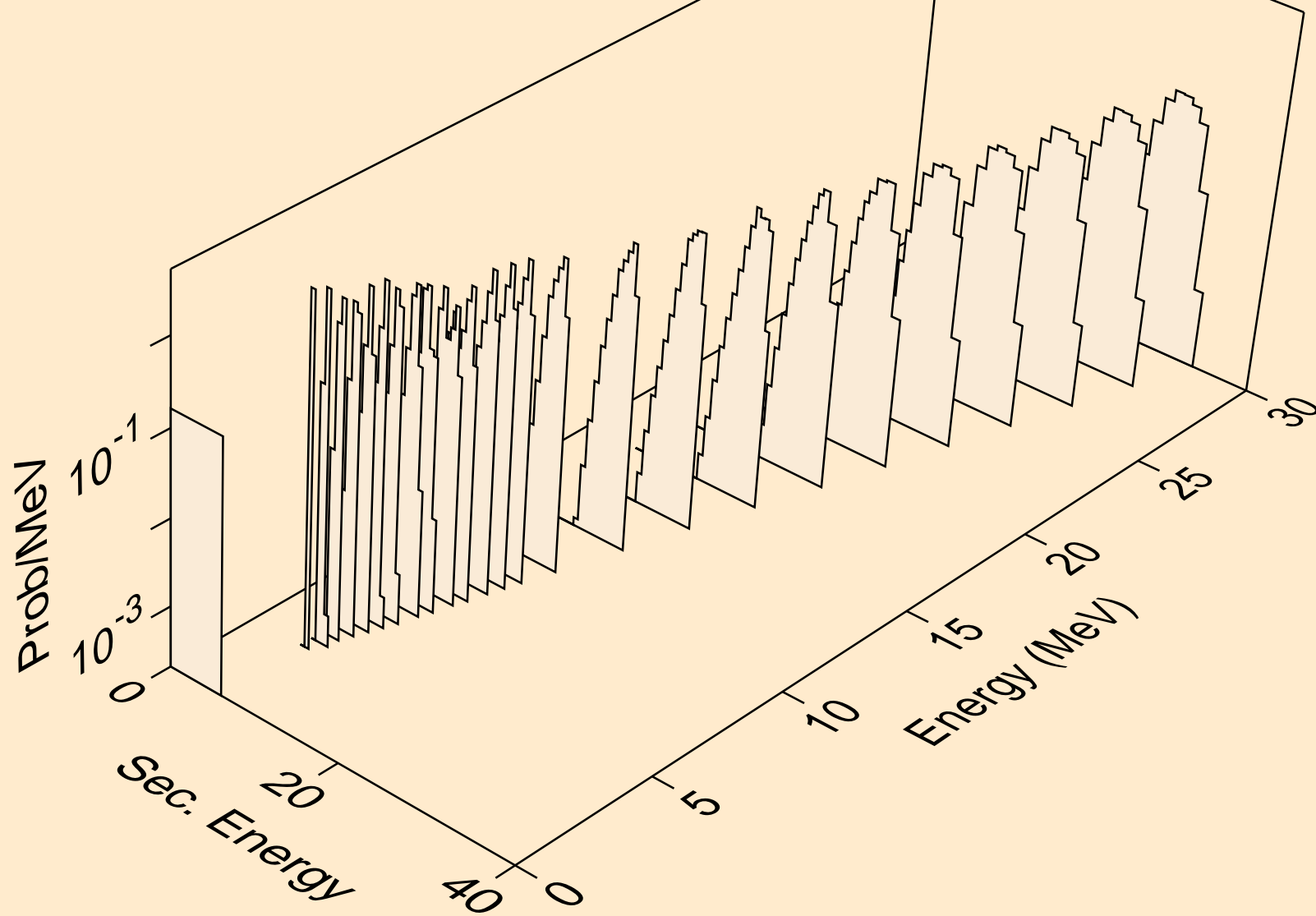
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
he3s from (n,he3)



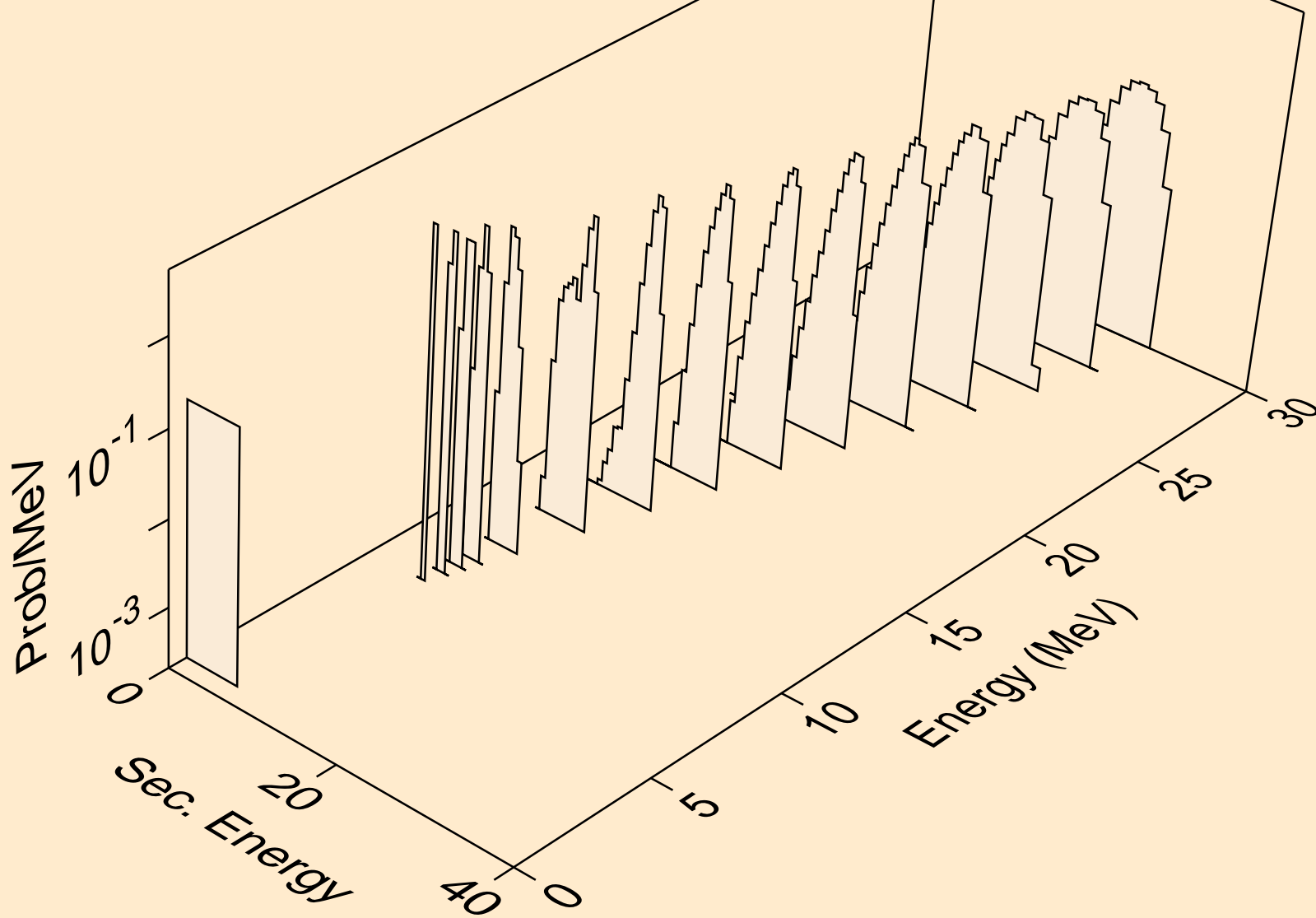
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,x)



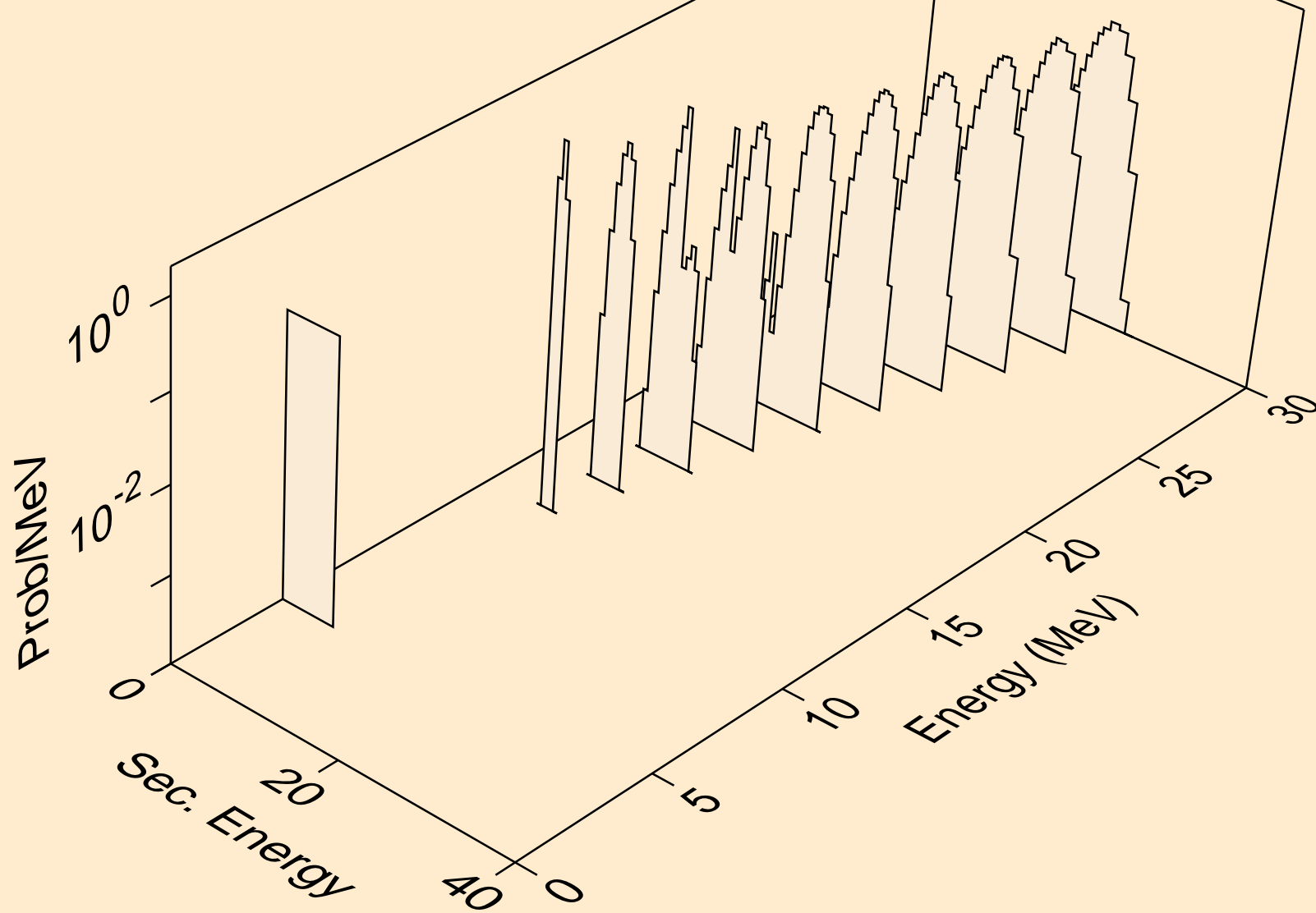
BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,n\*)a



BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,2n)a



BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,3n)a



BI219 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,a)

