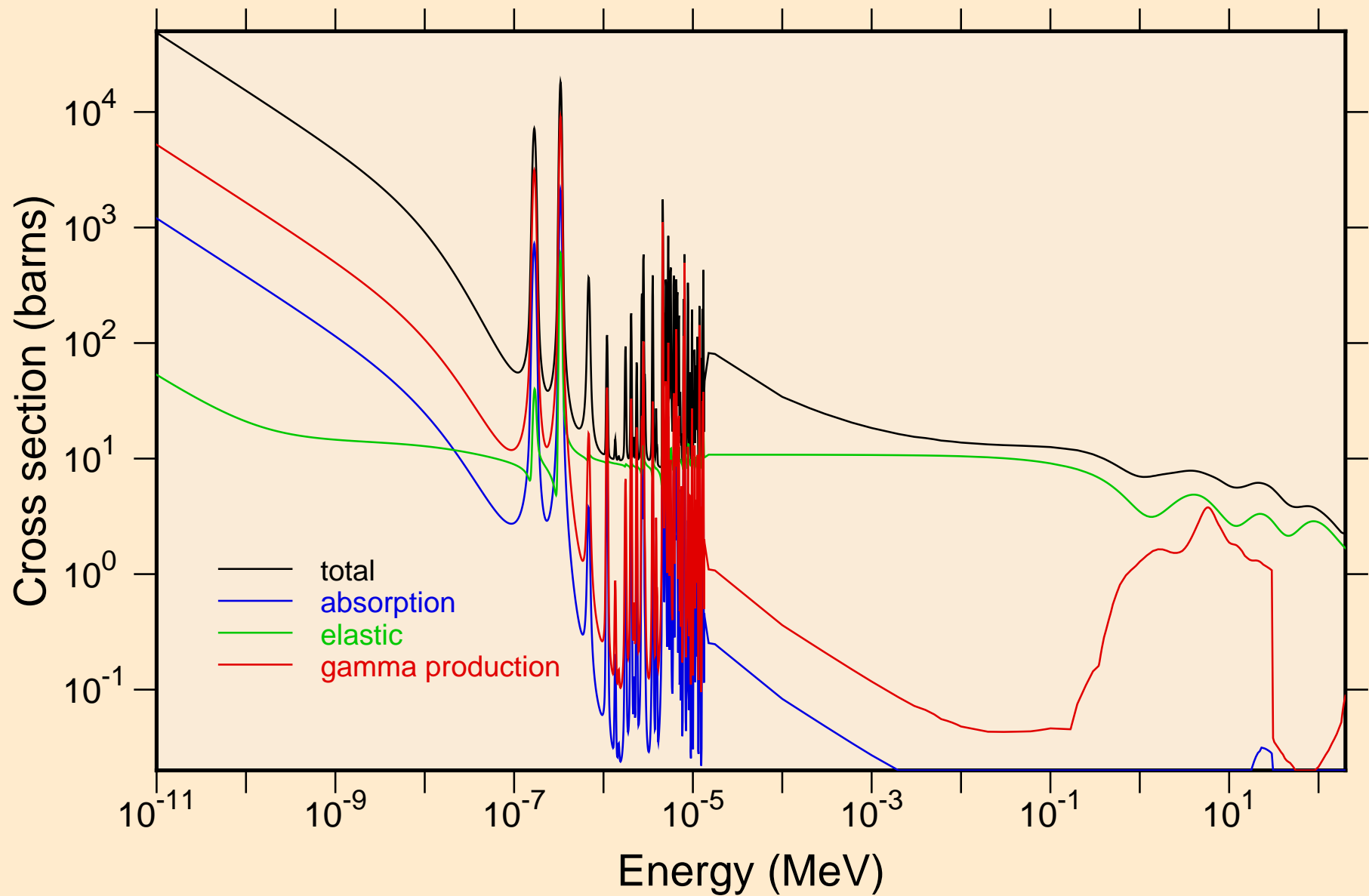
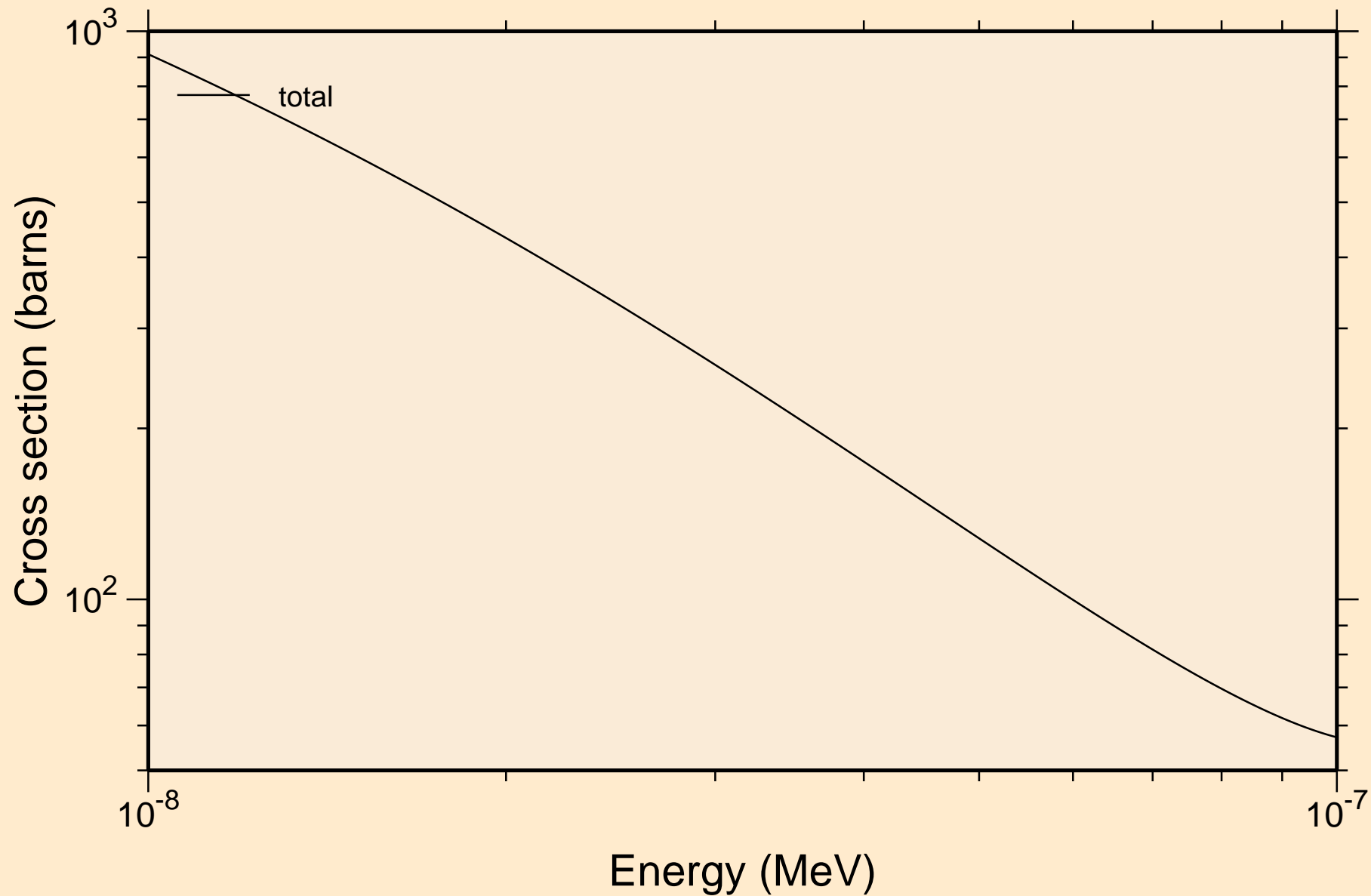


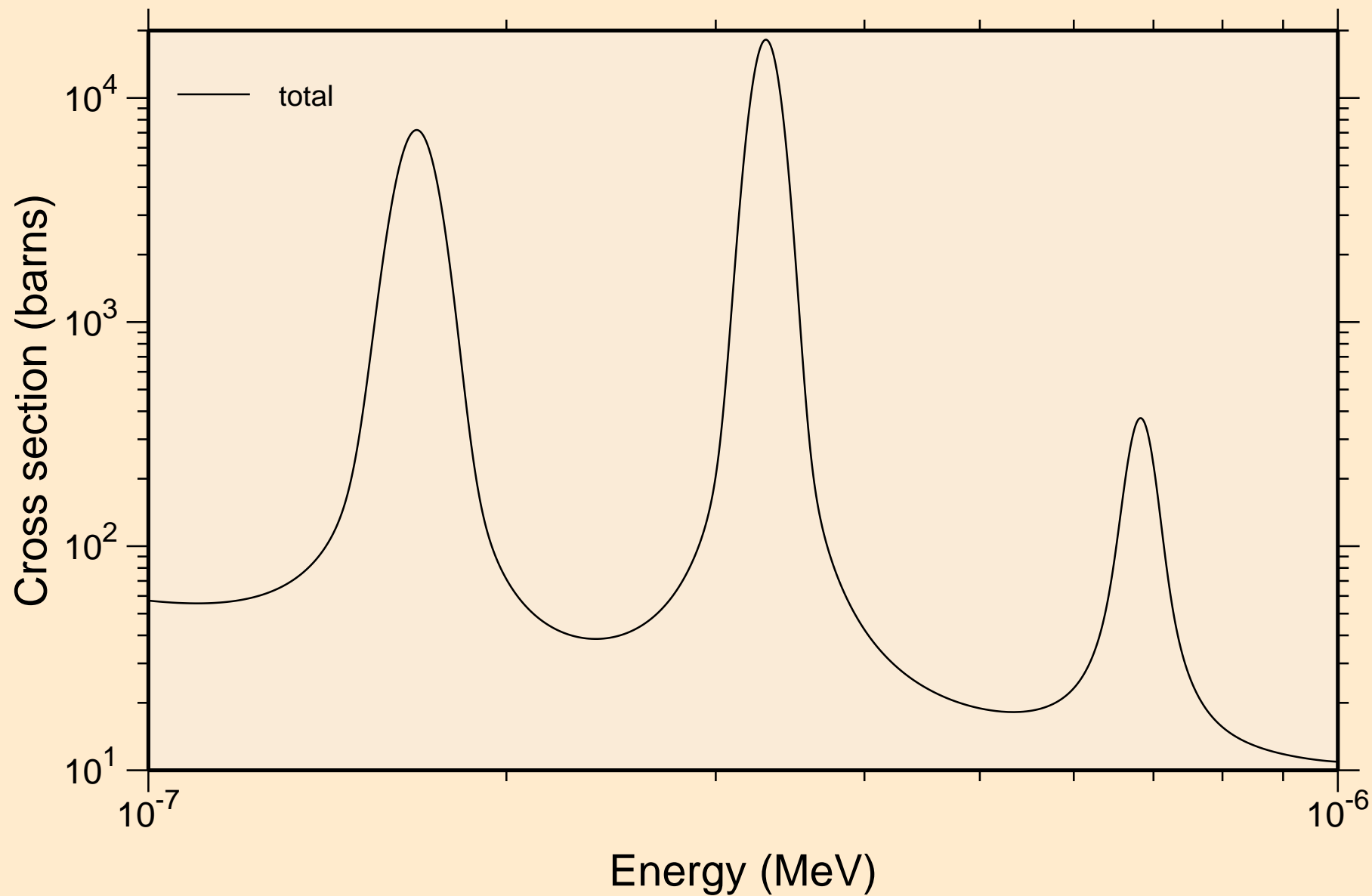
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Principal cross sections



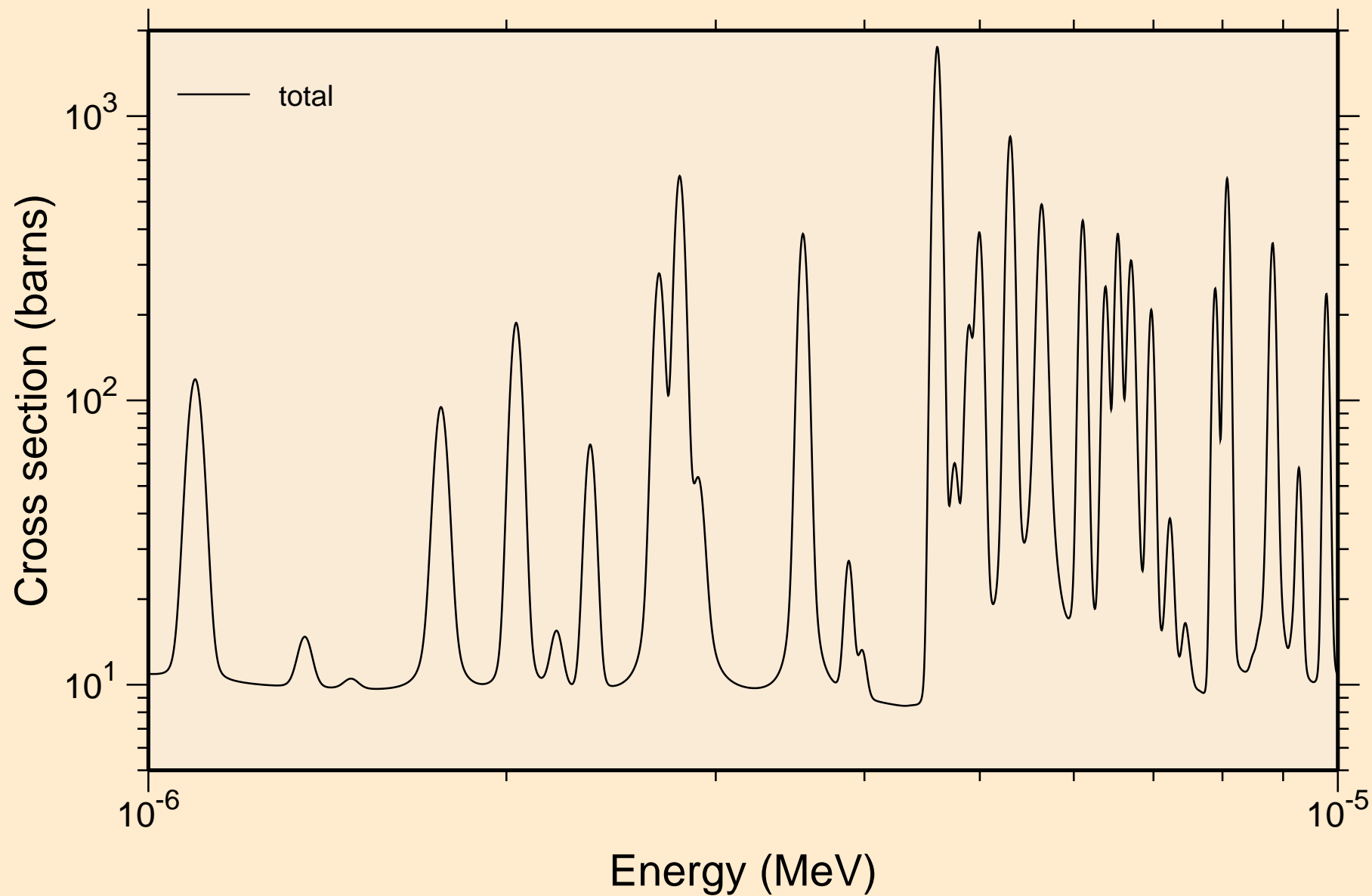
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



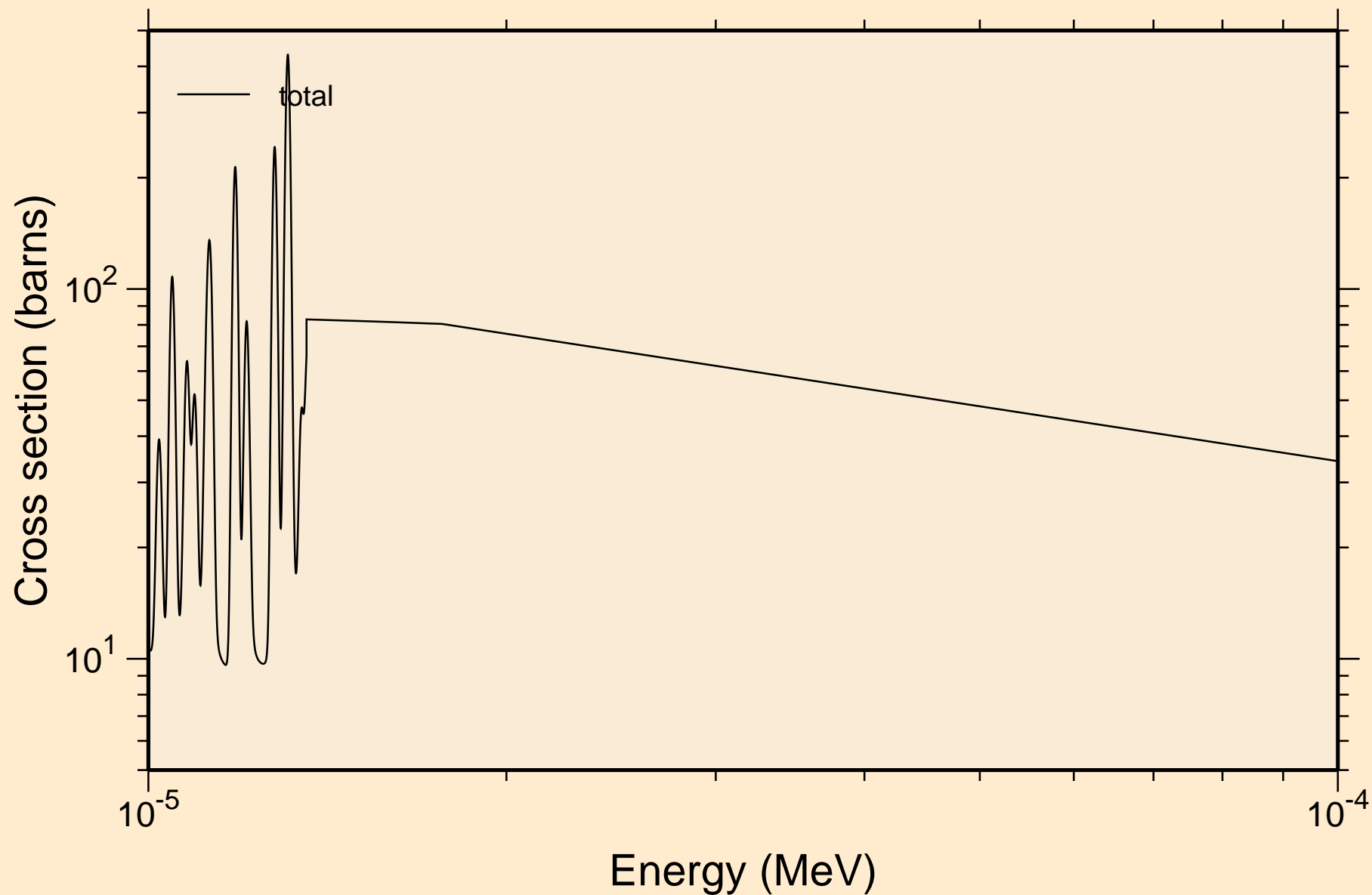
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



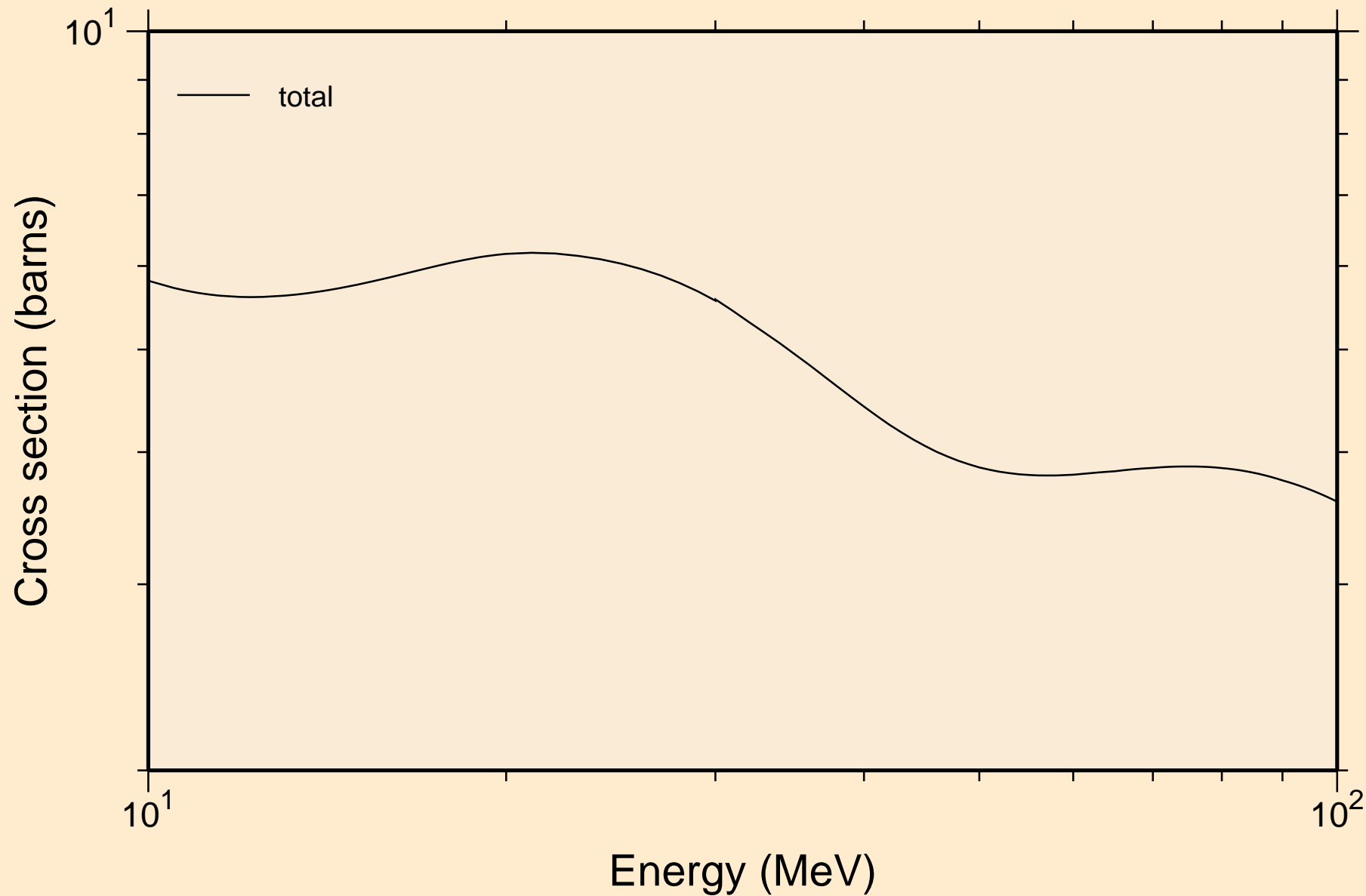
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



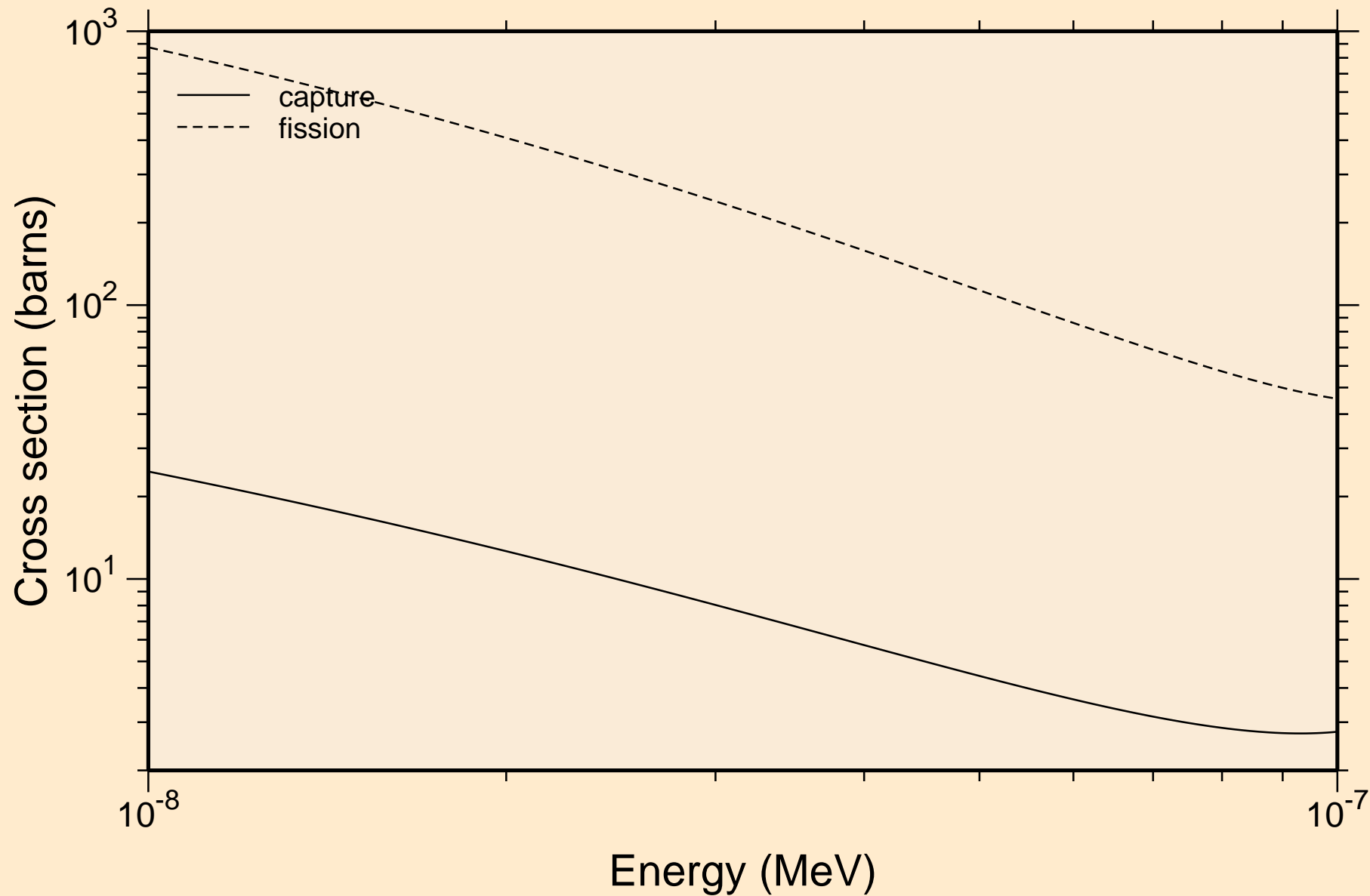
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



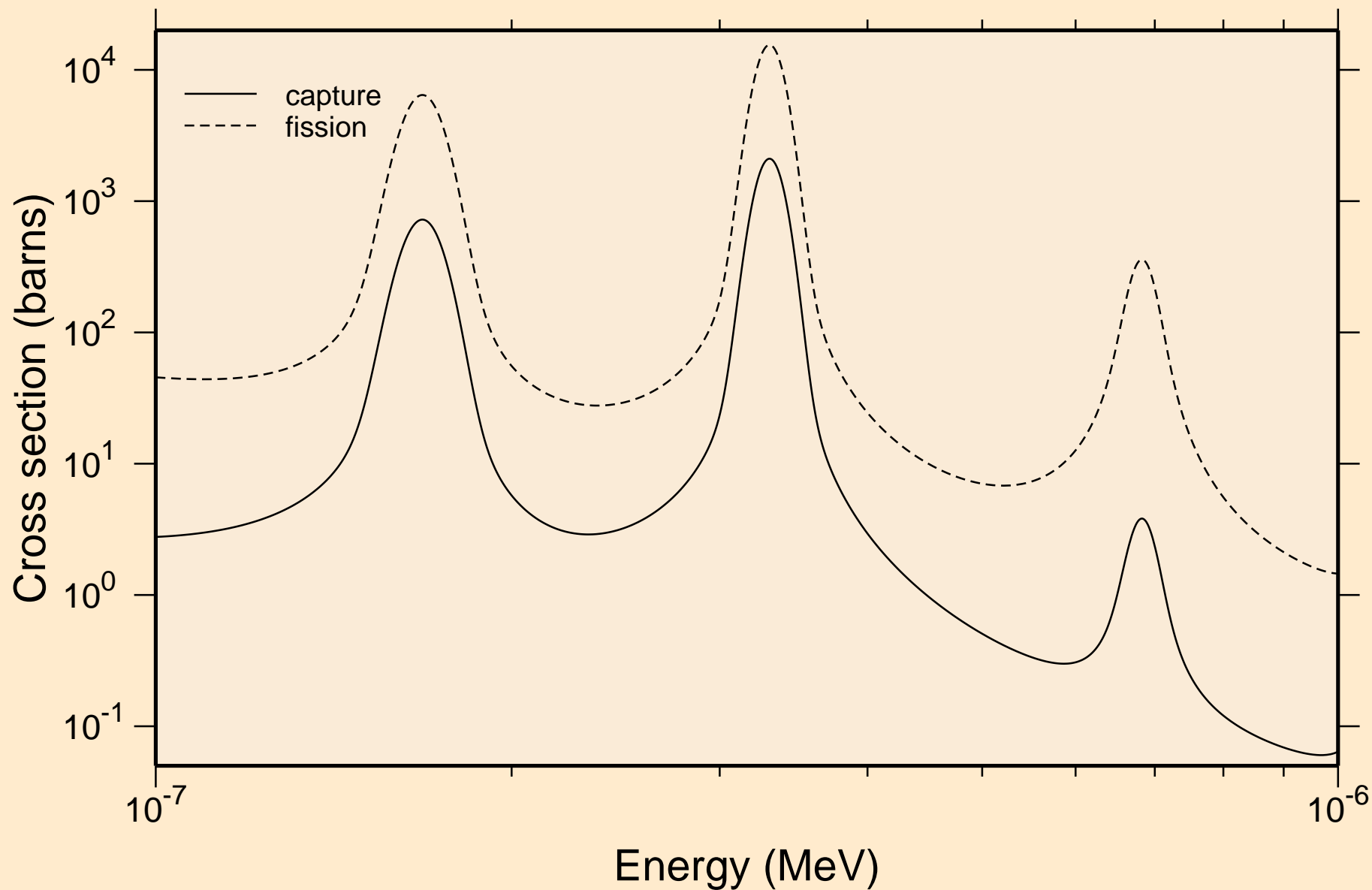
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance total cross section



CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

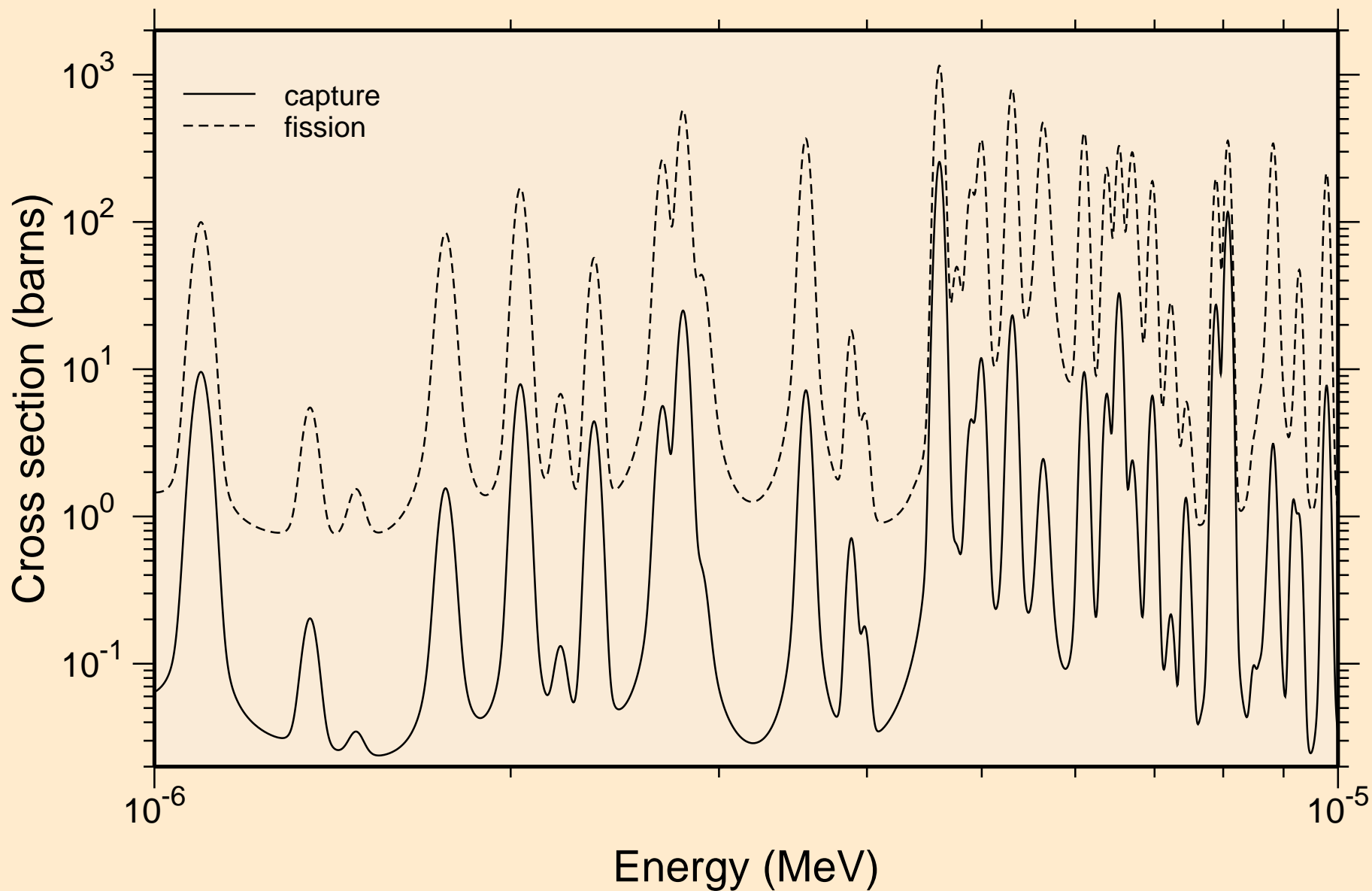


CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections

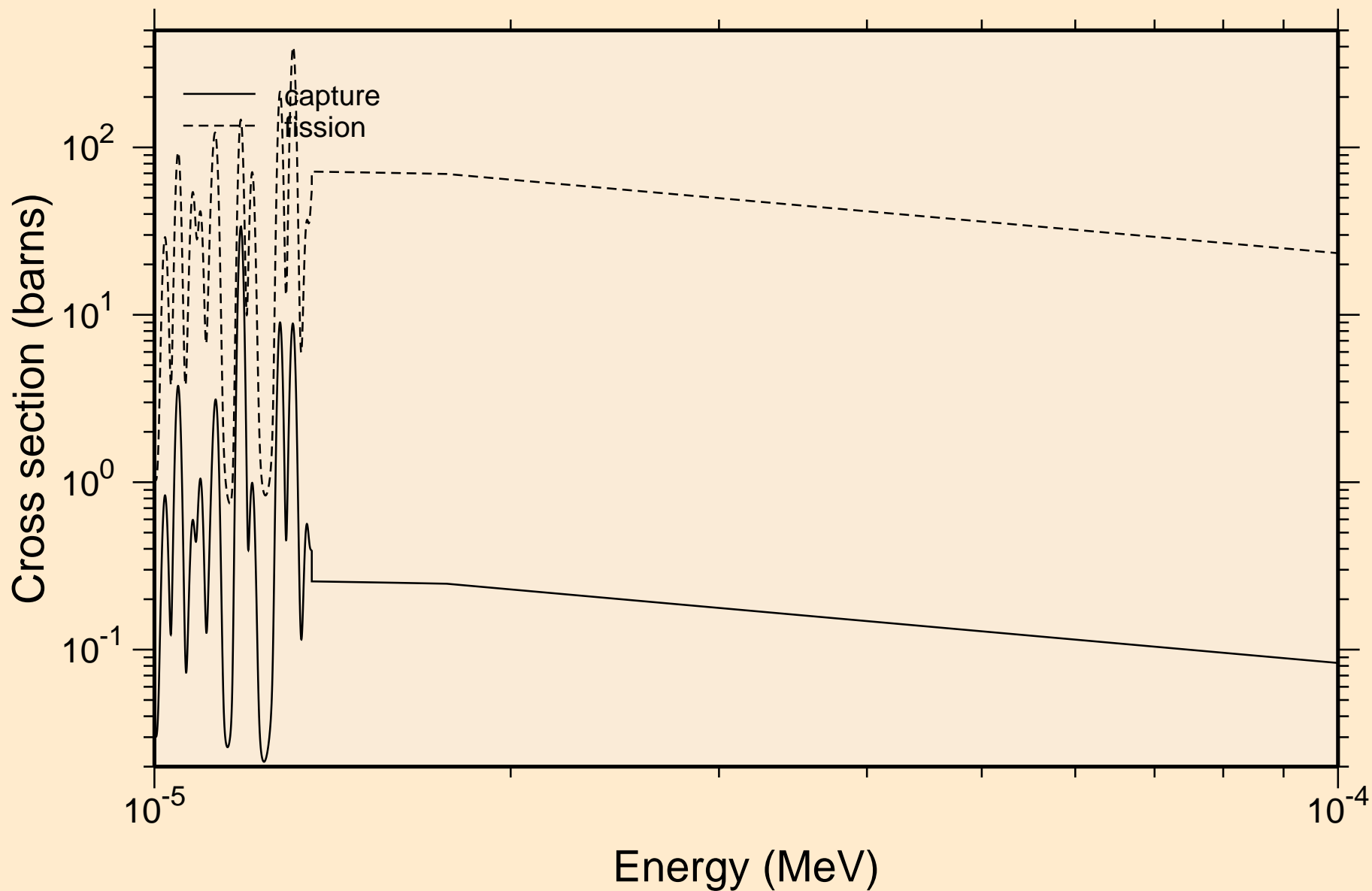




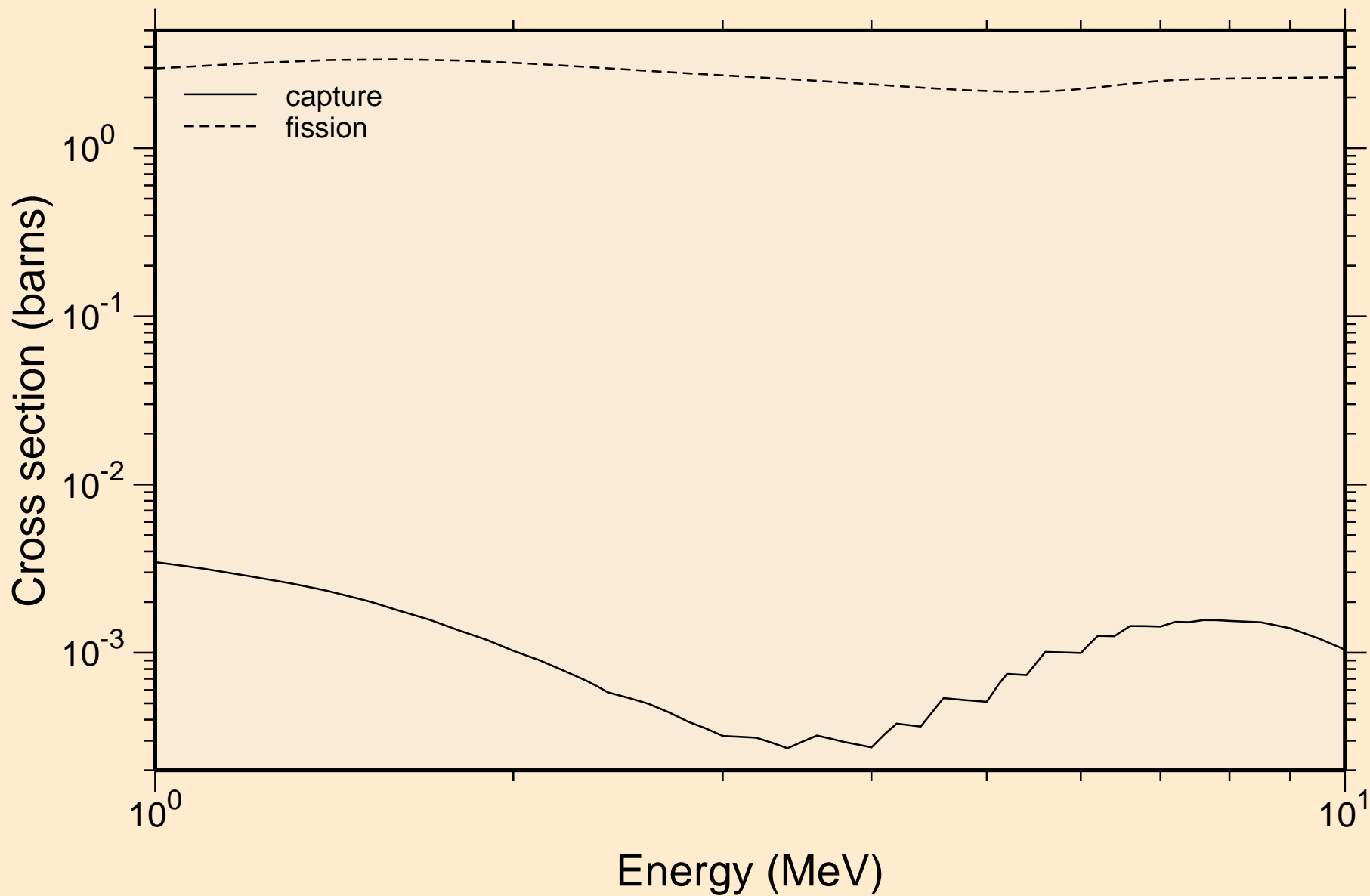
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



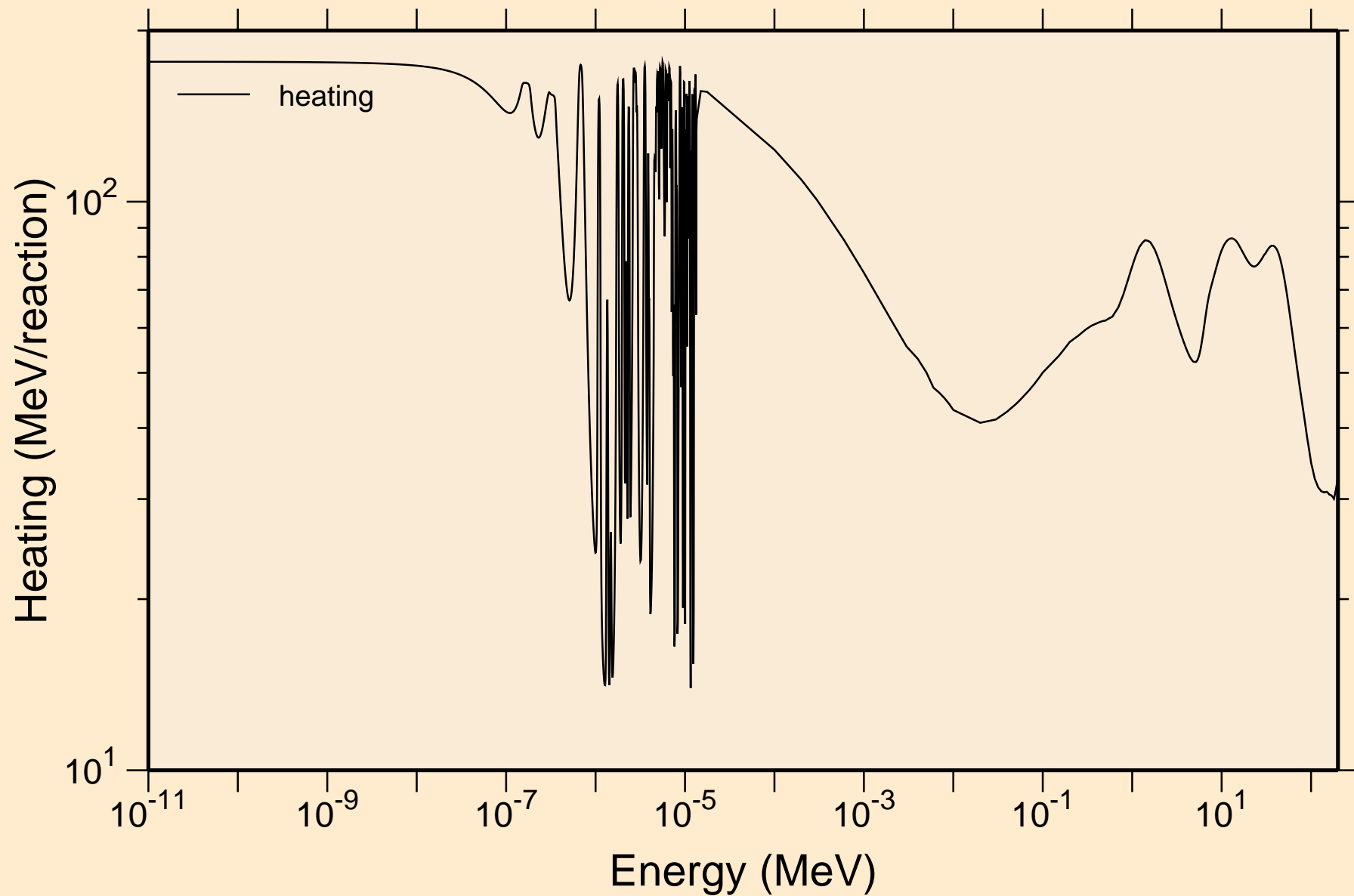
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



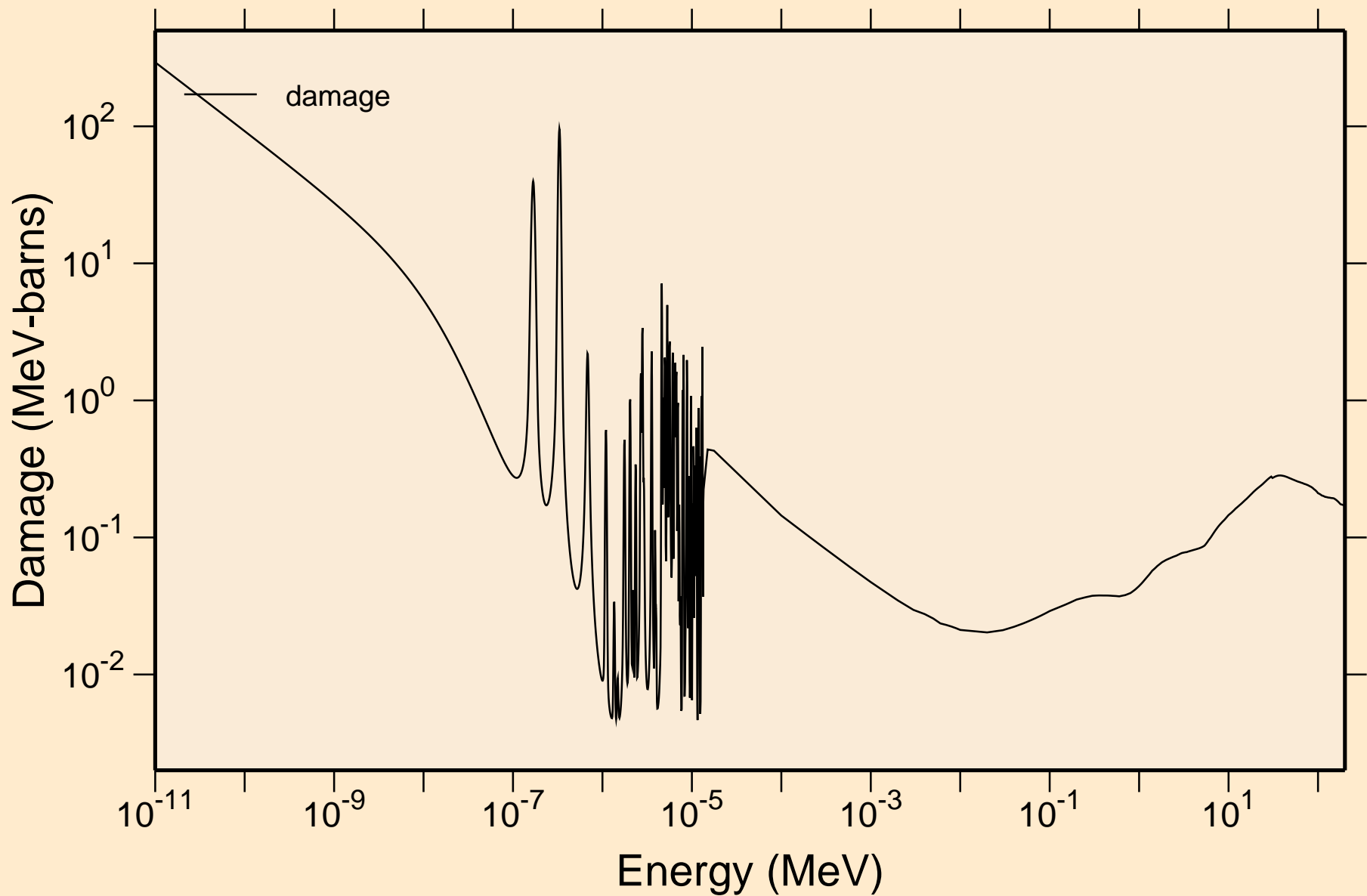
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
resonance absorption cross sections



CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating

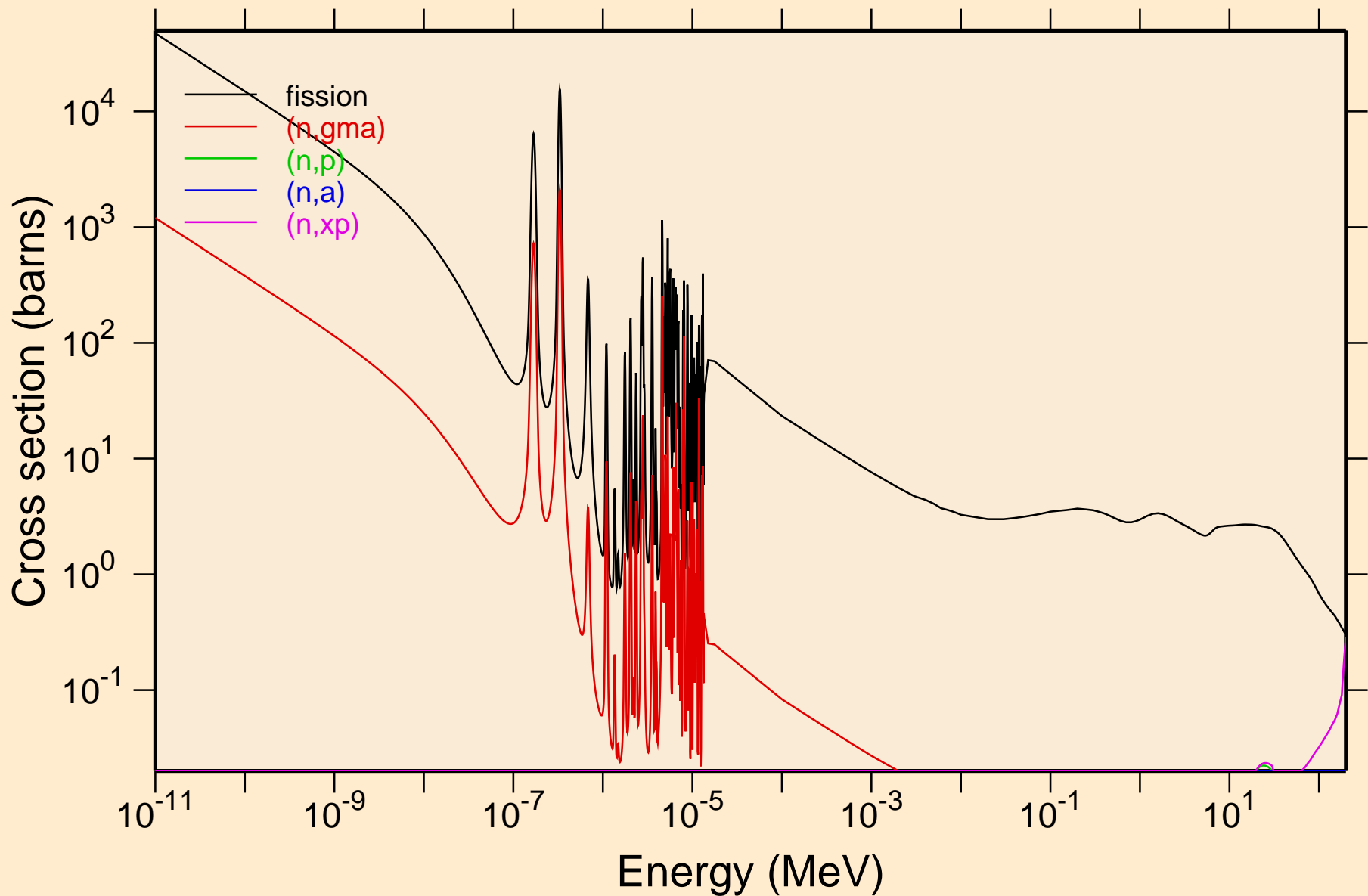


CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage

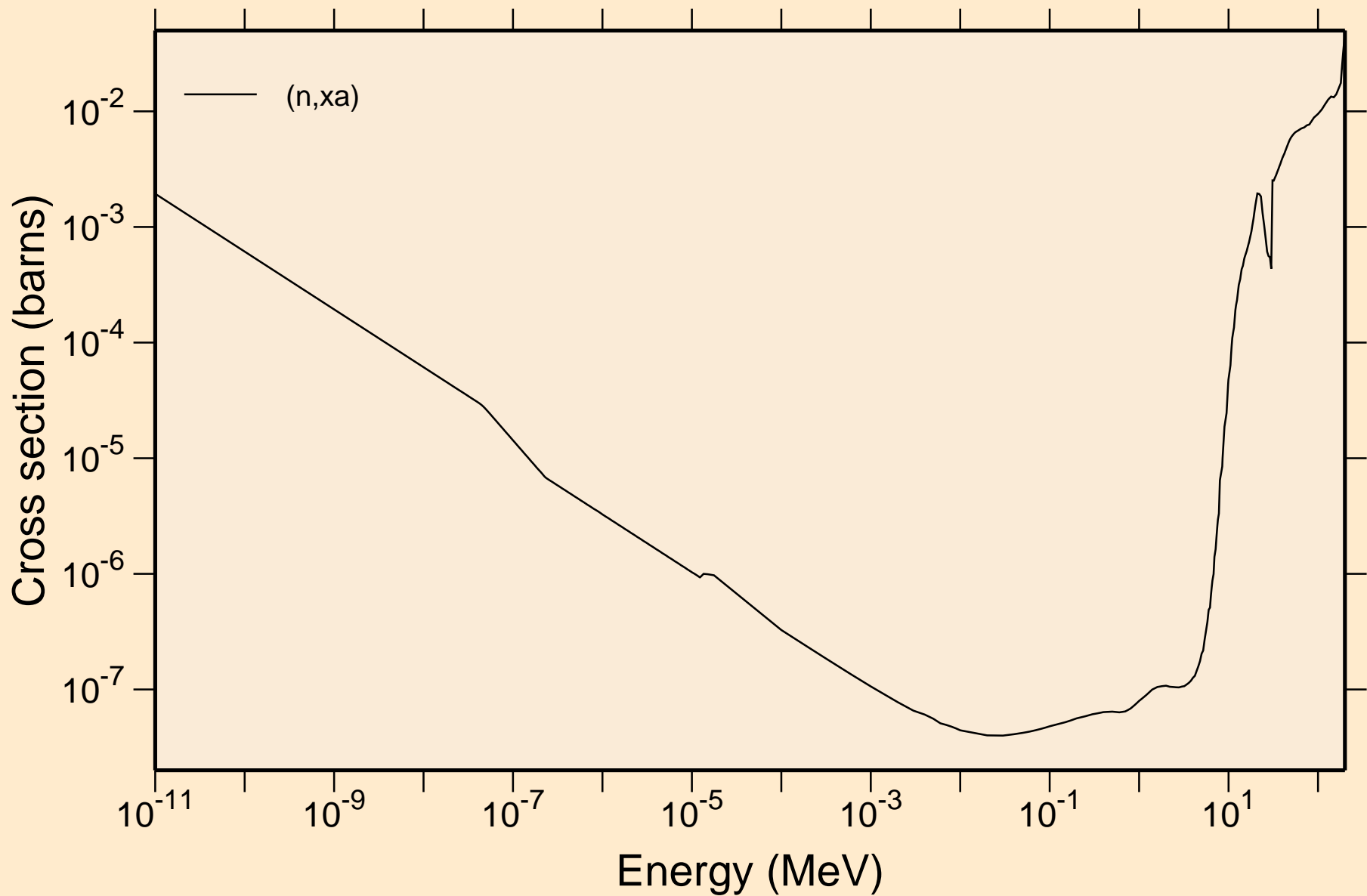


# CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Non-threshold reactions

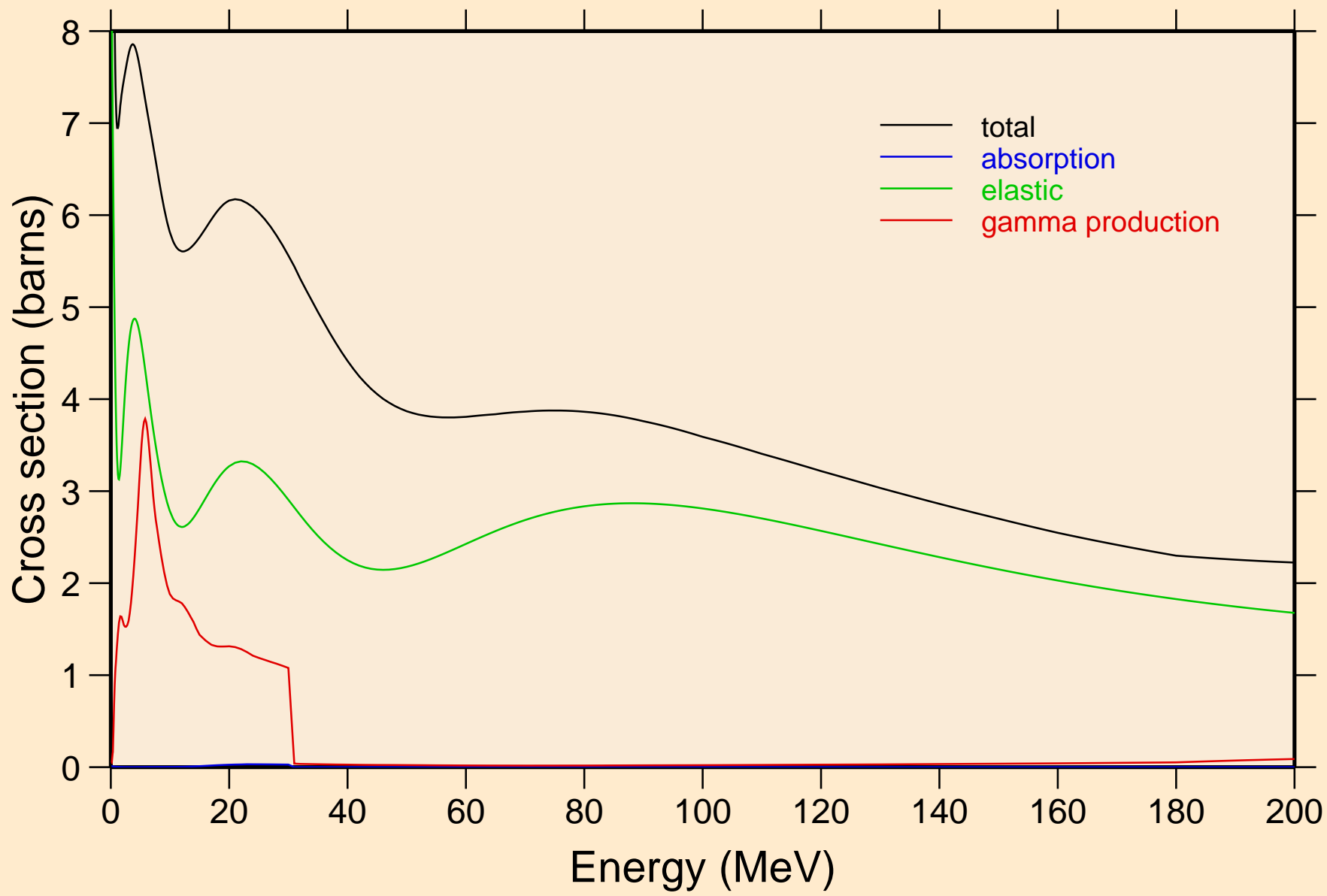


CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



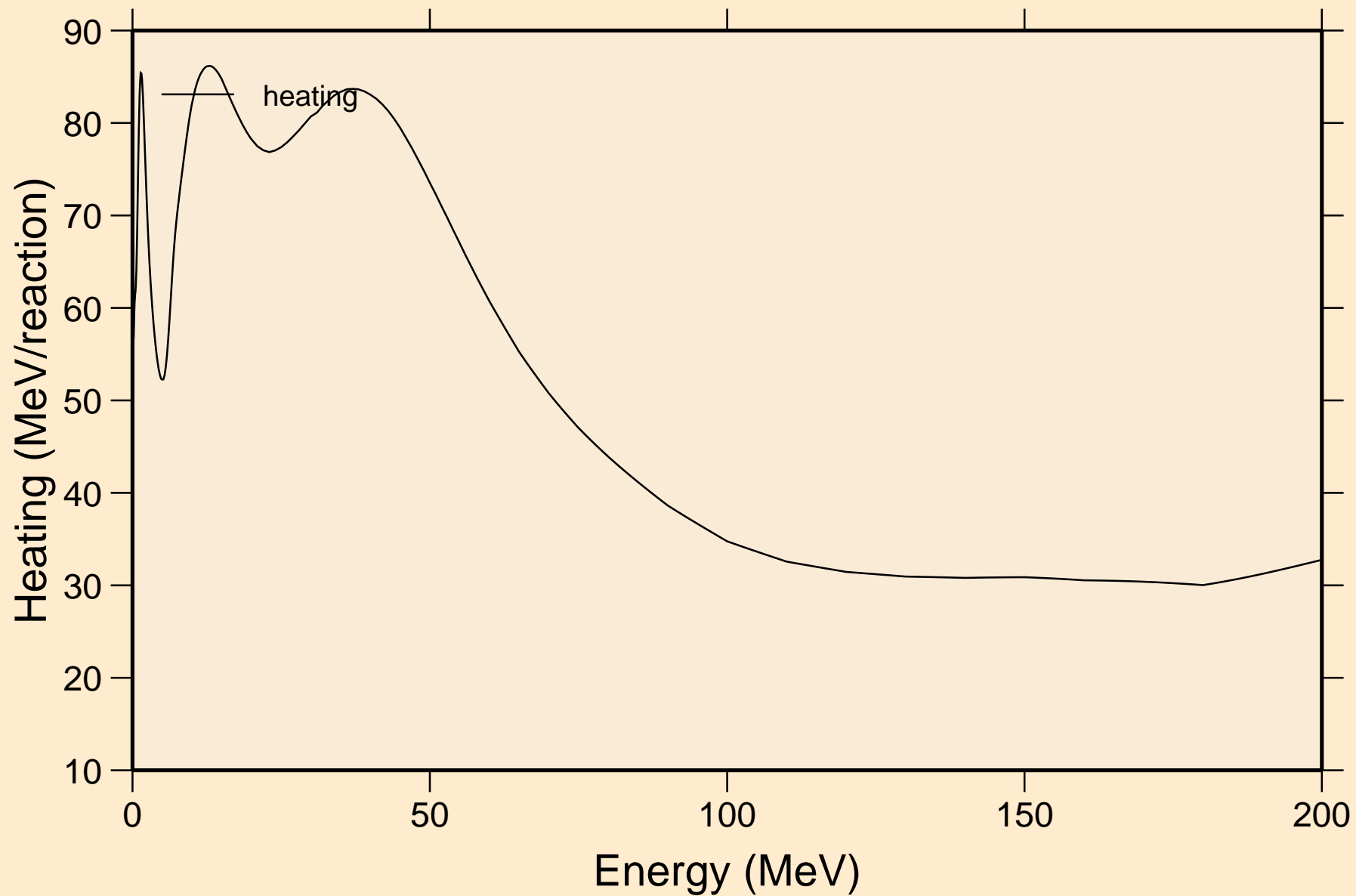
# CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Principal cross sections

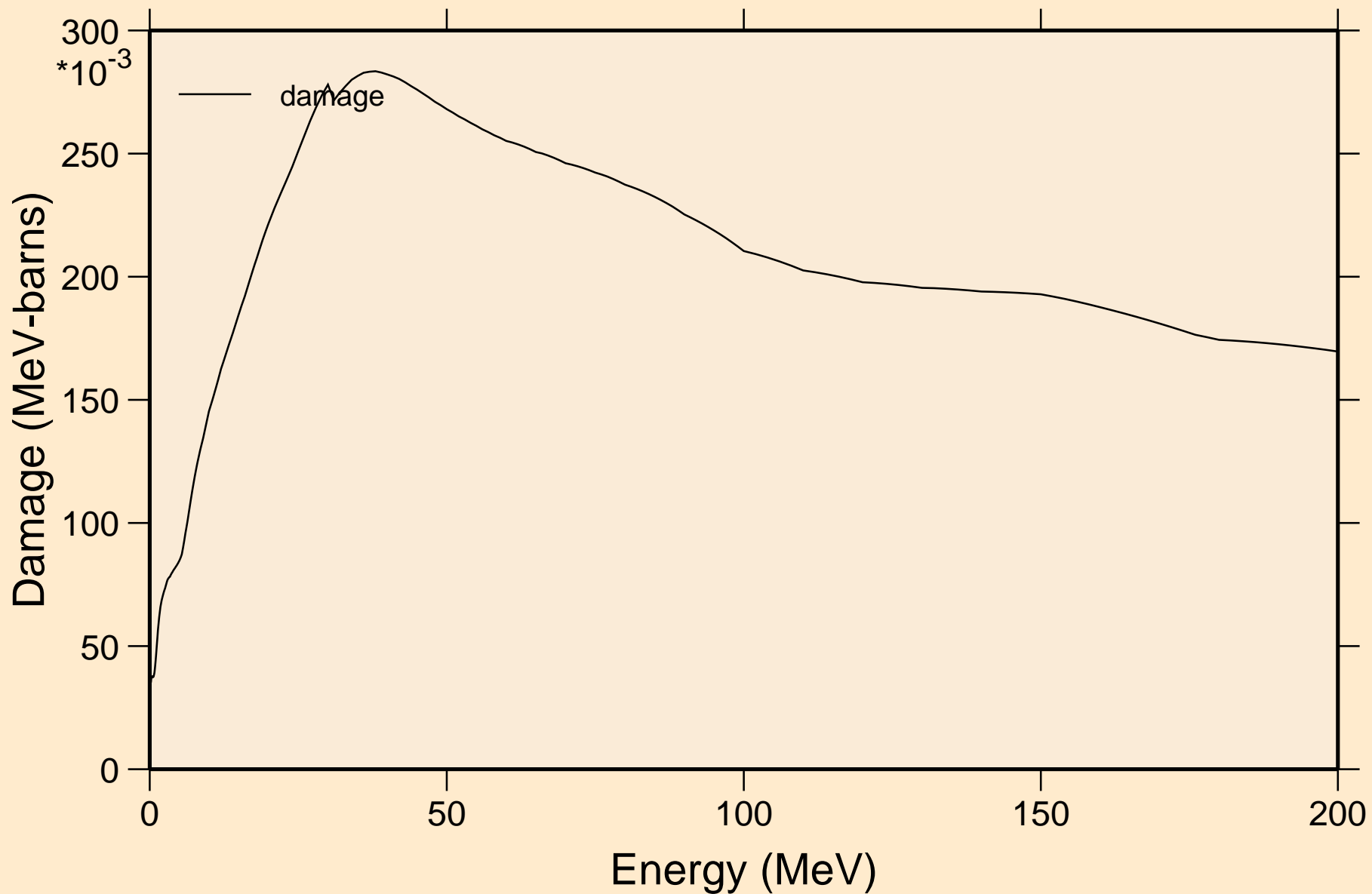




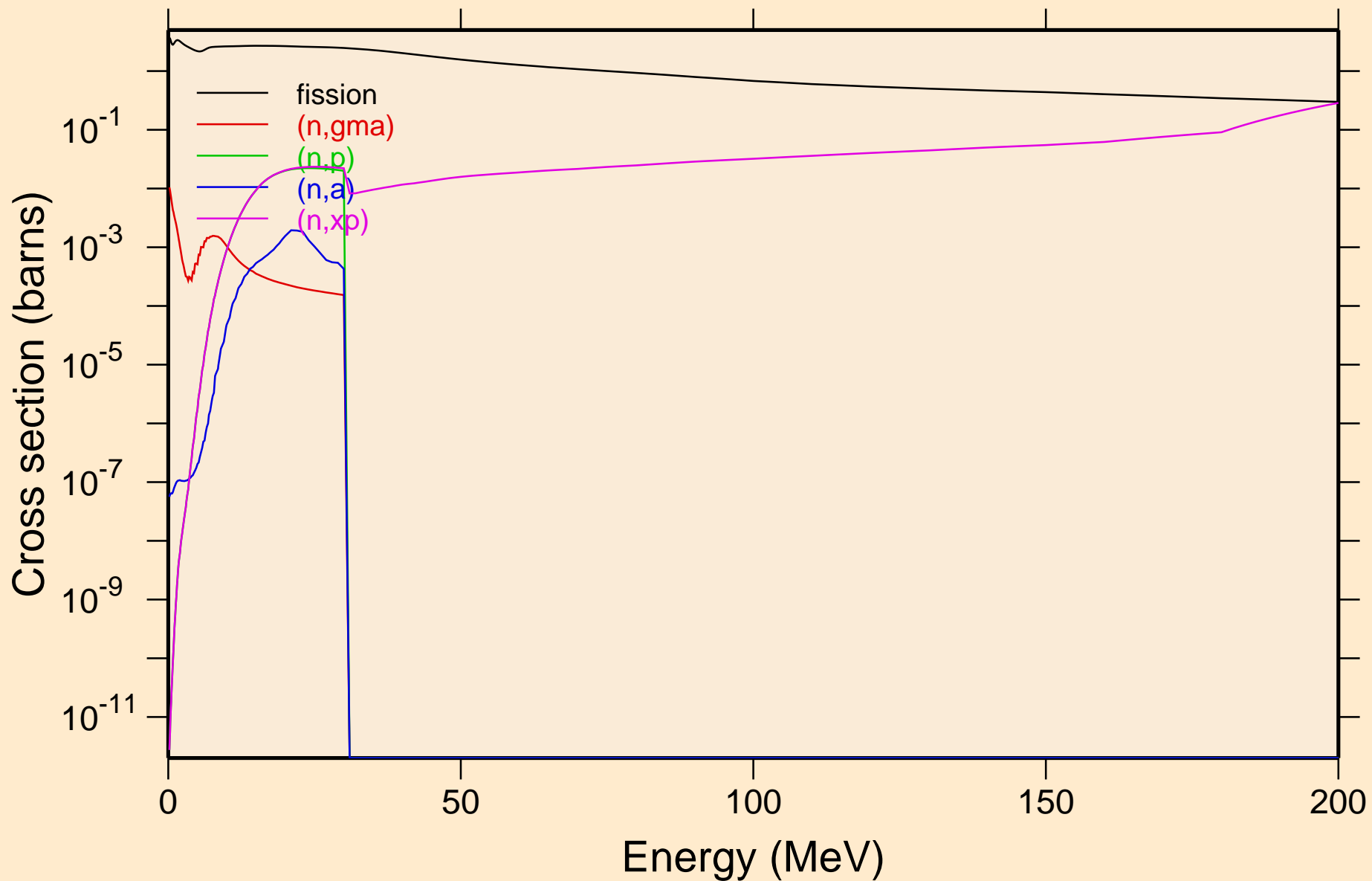
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Heating



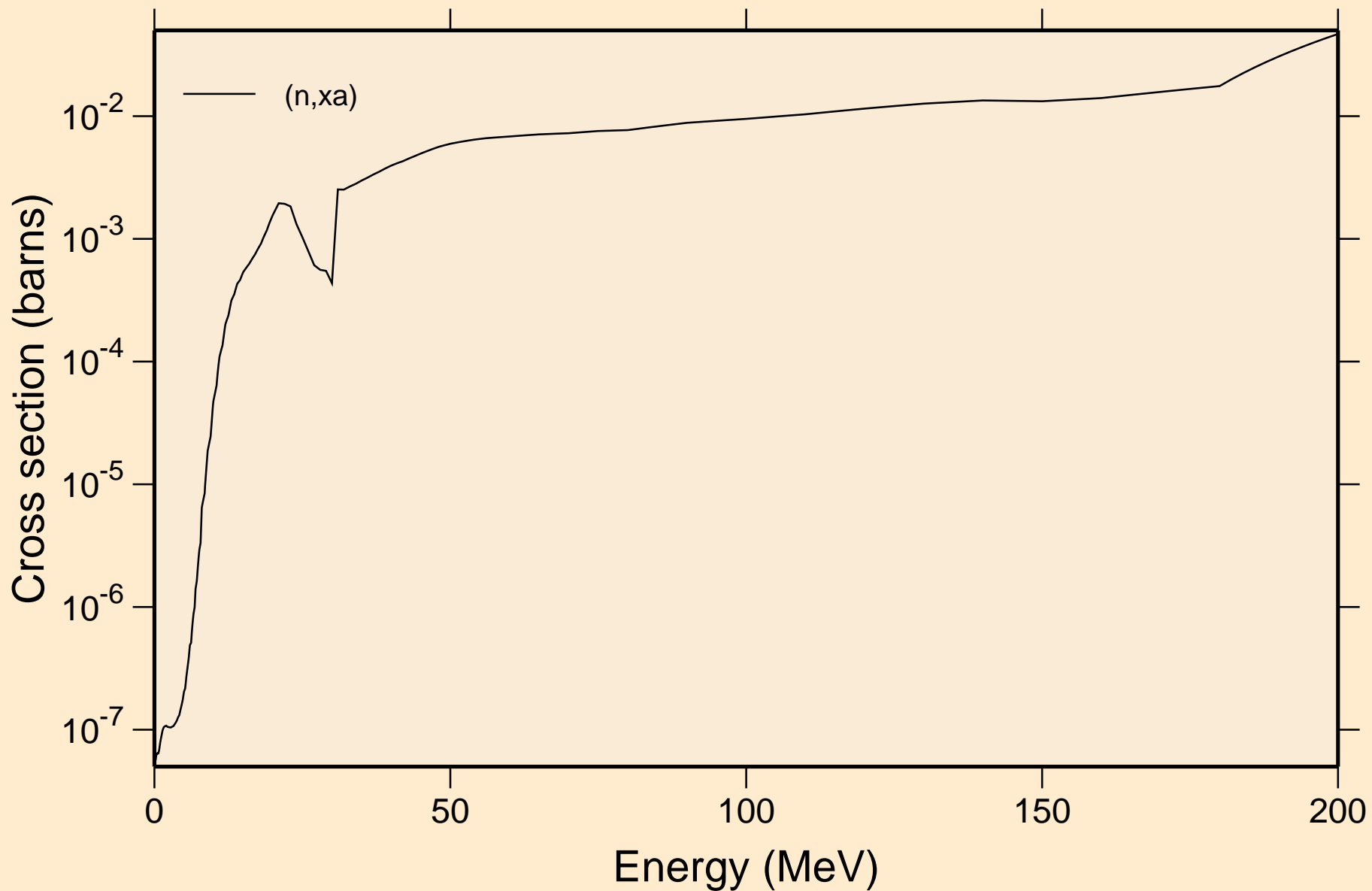
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Damage



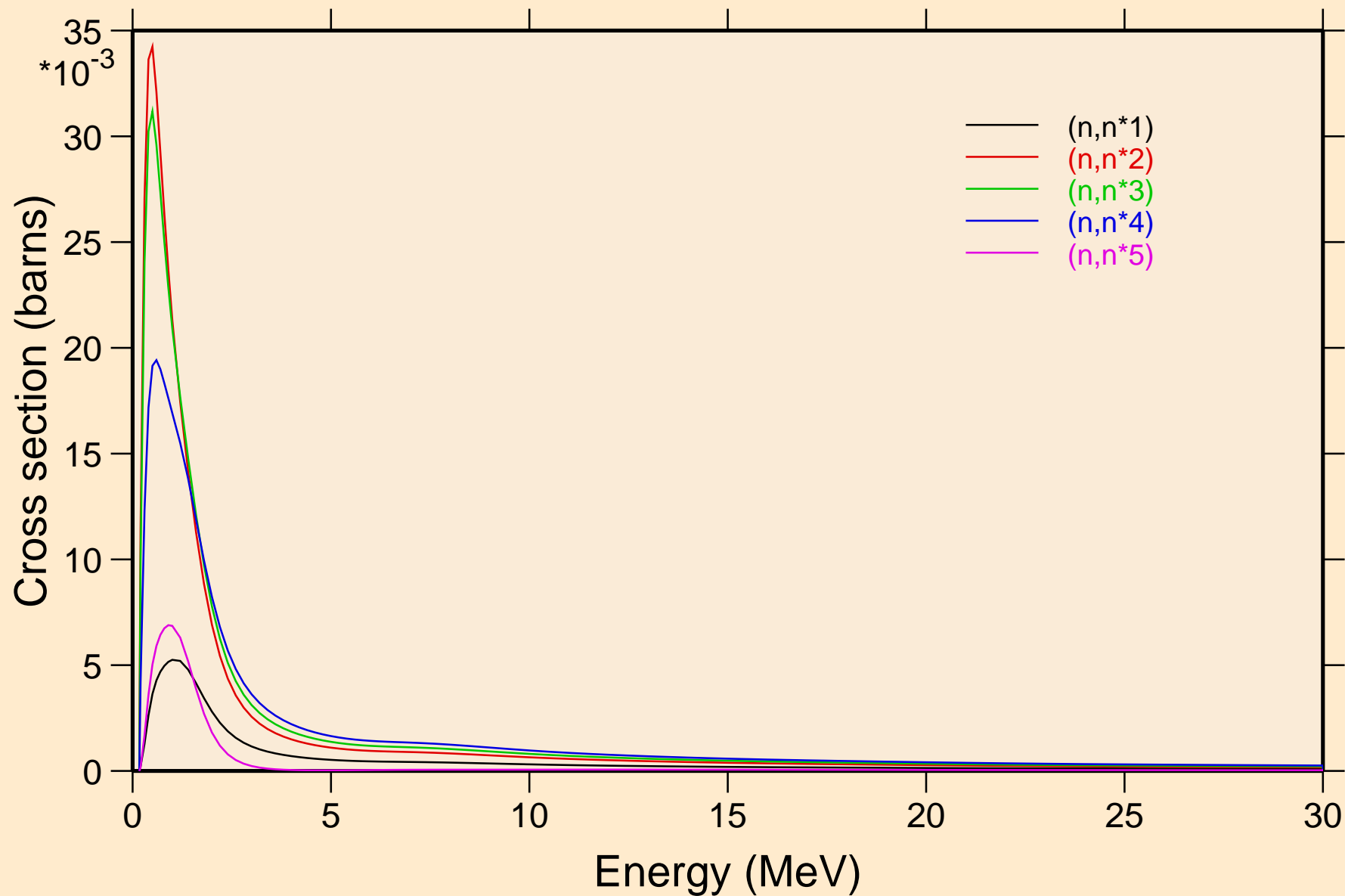
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



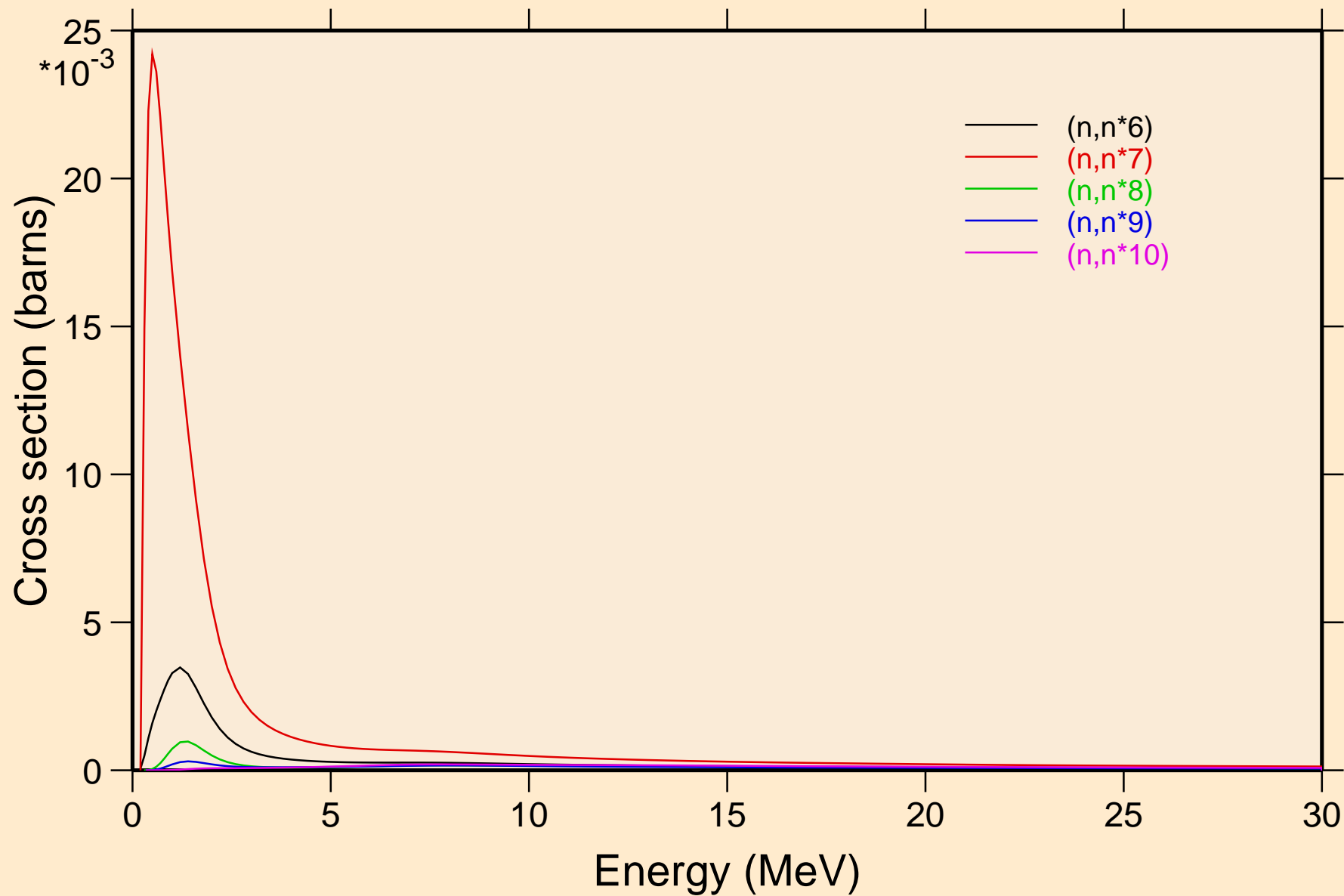
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Non-threshold reactions



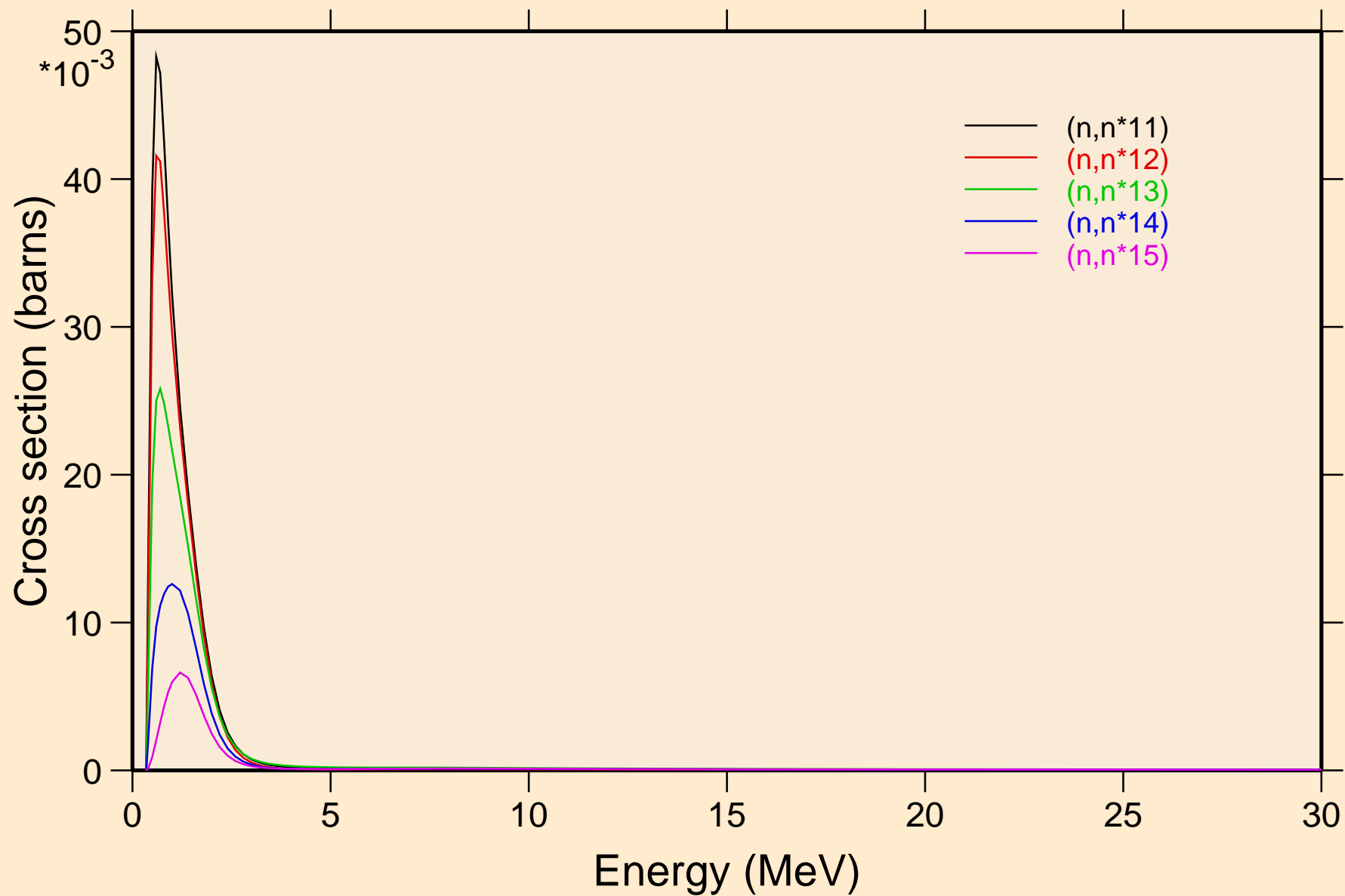
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



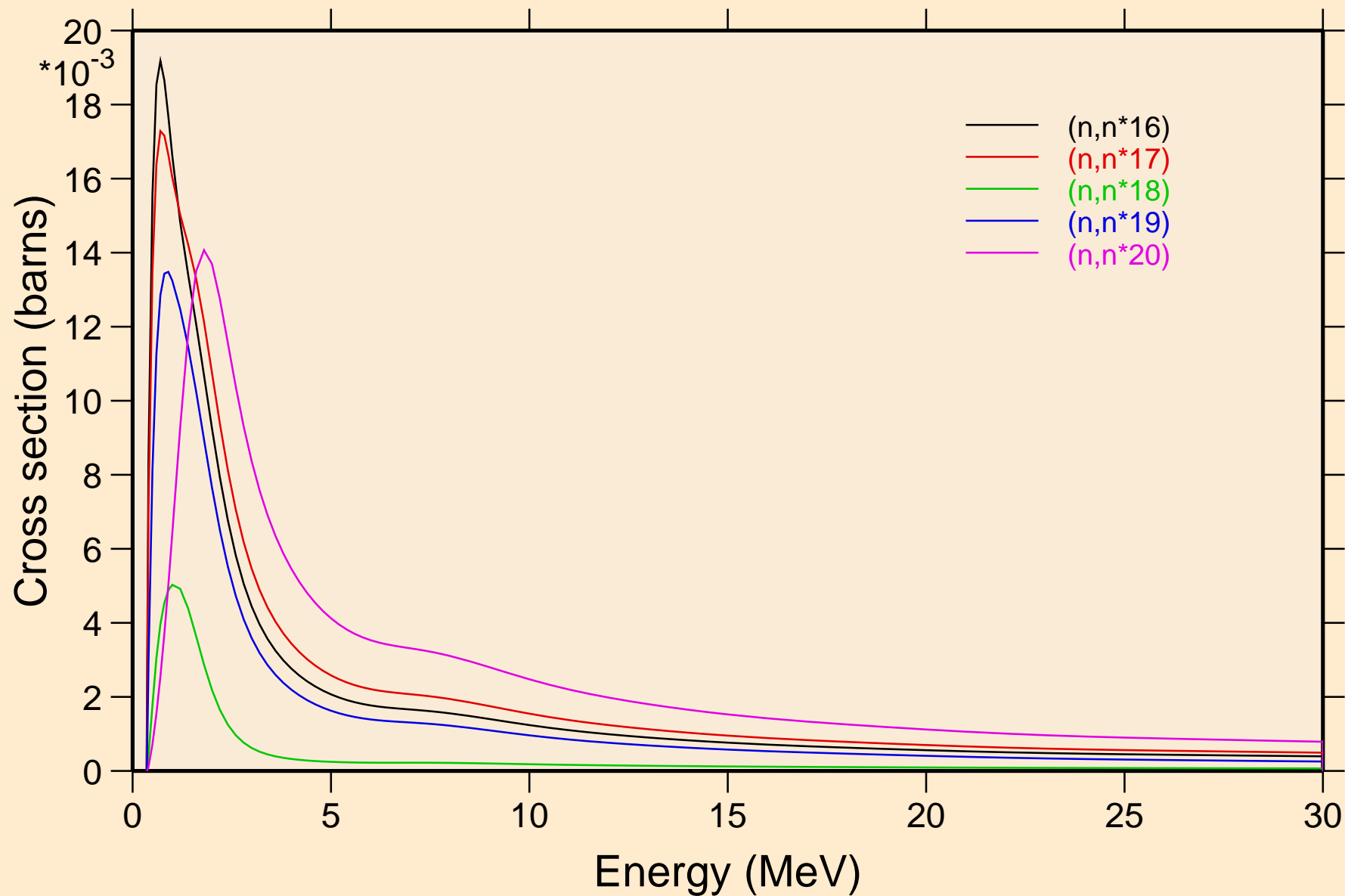
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels



CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

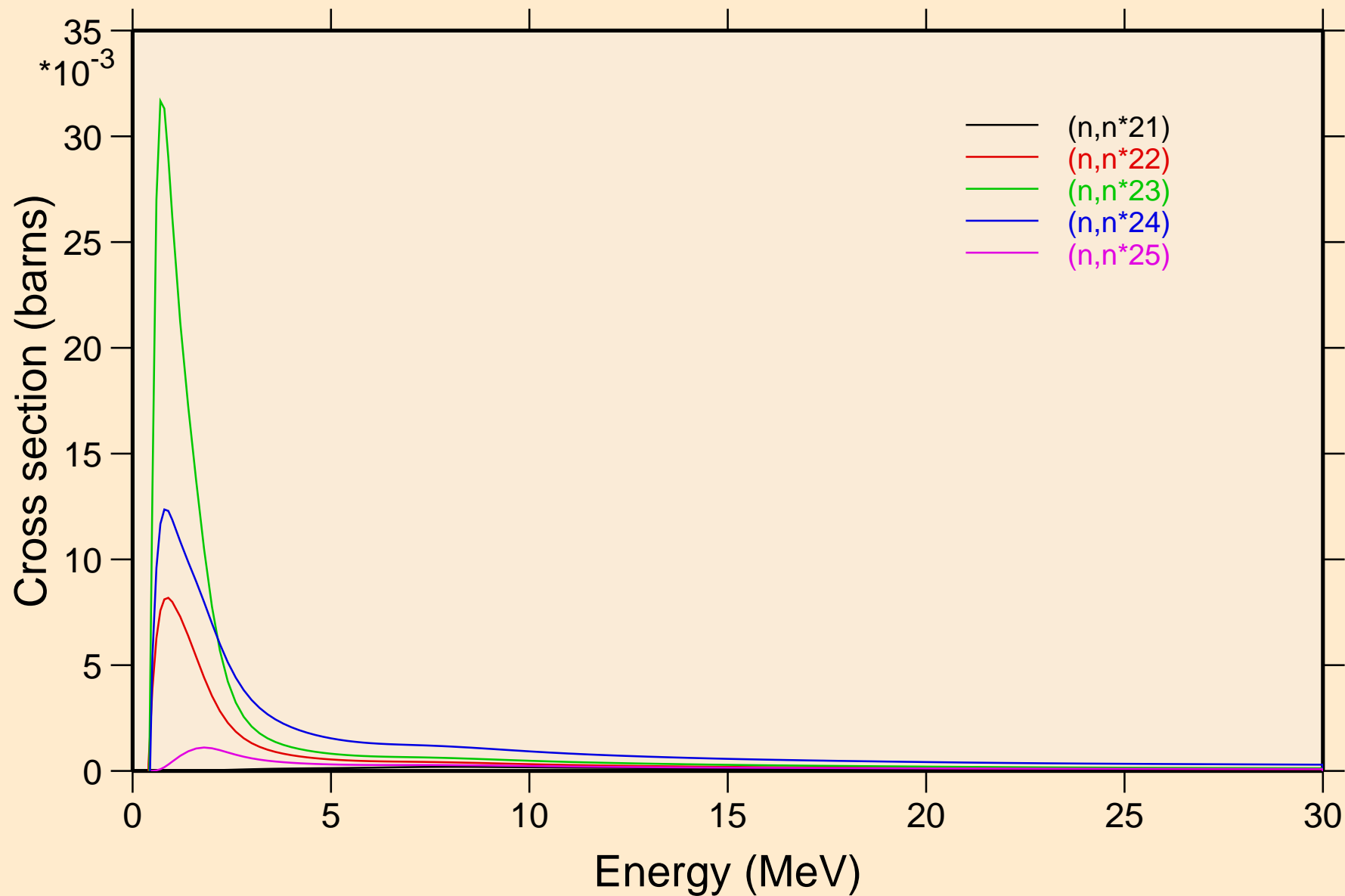


CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

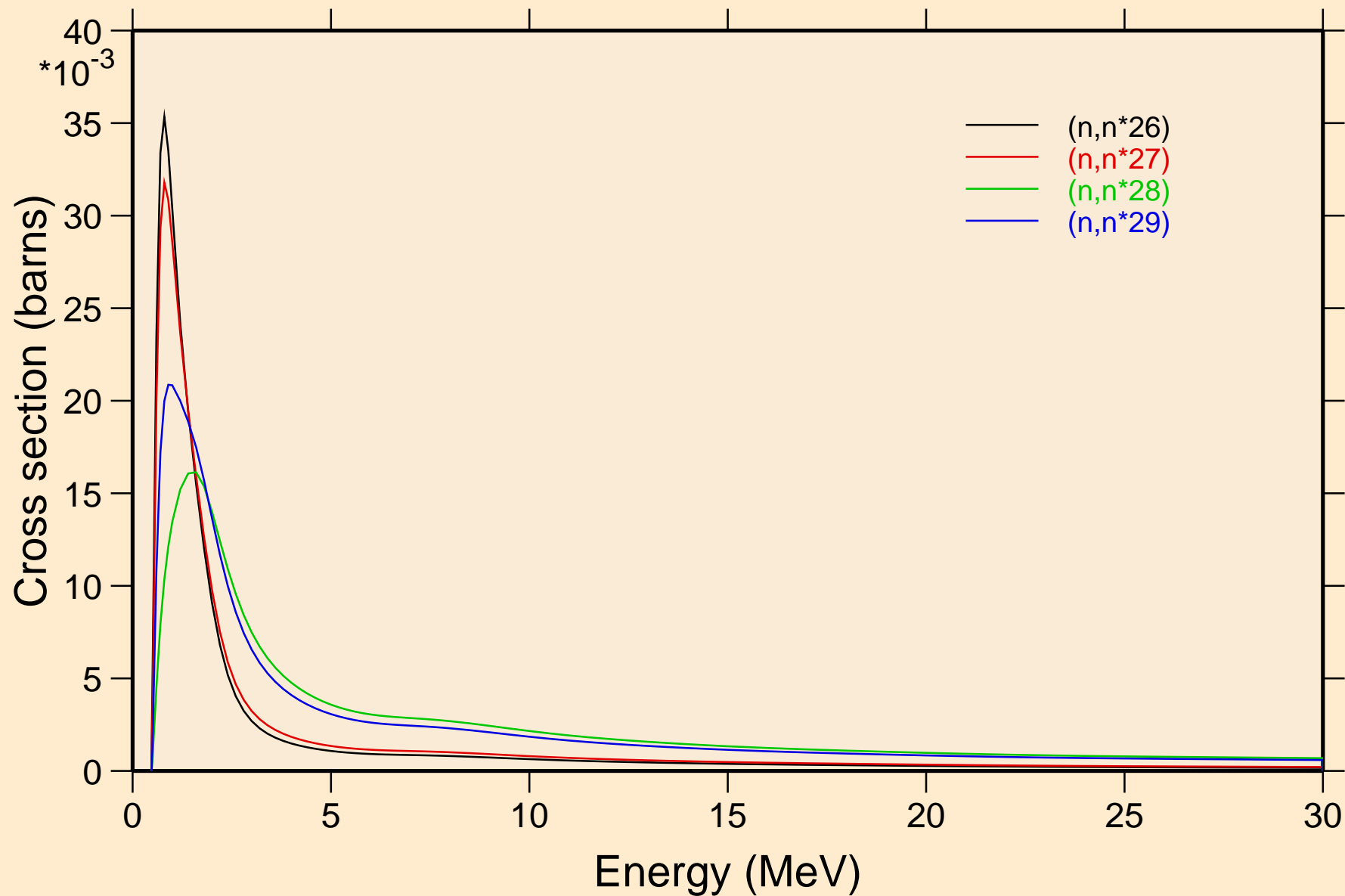




CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

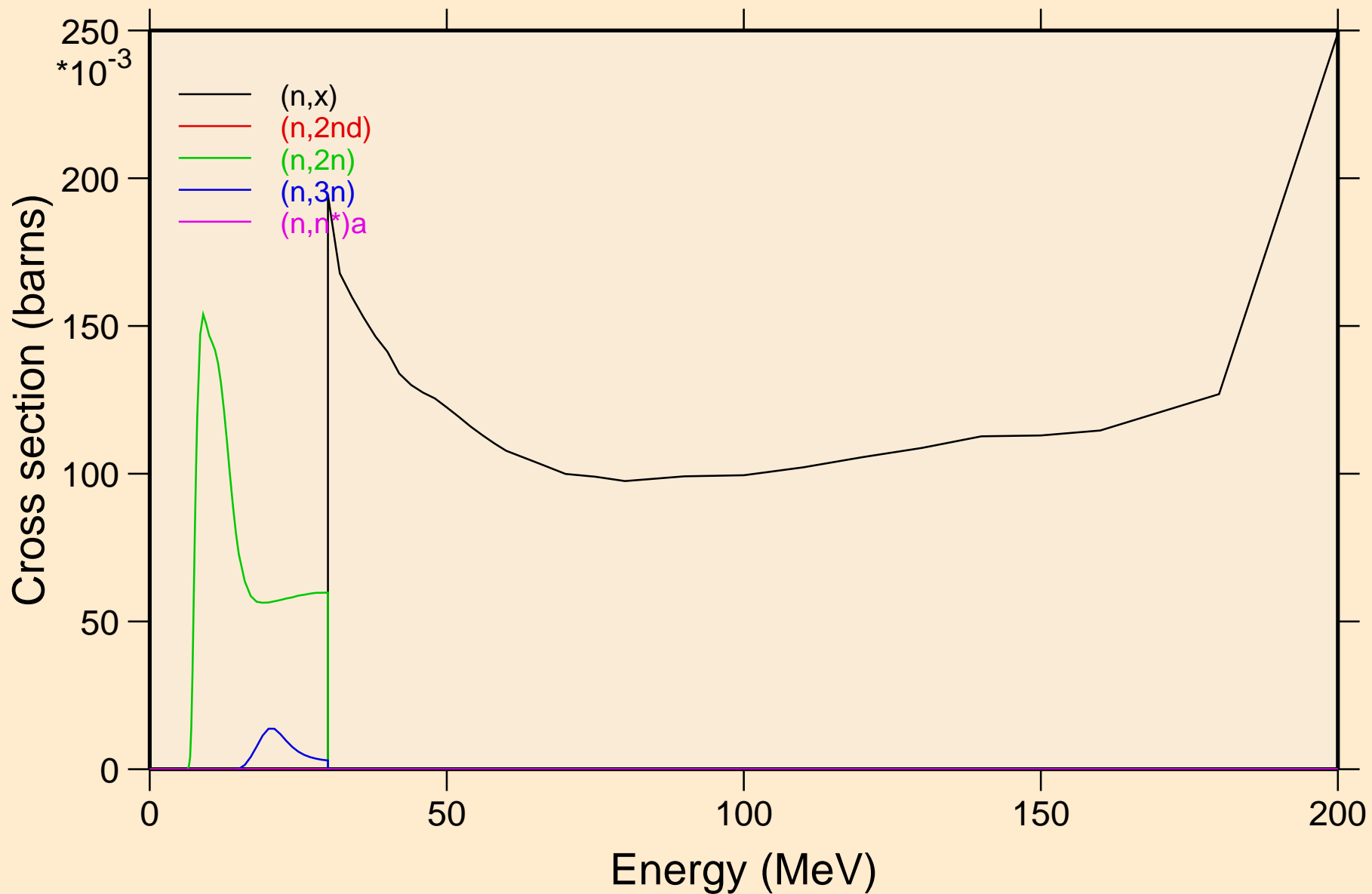


CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Inelastic levels

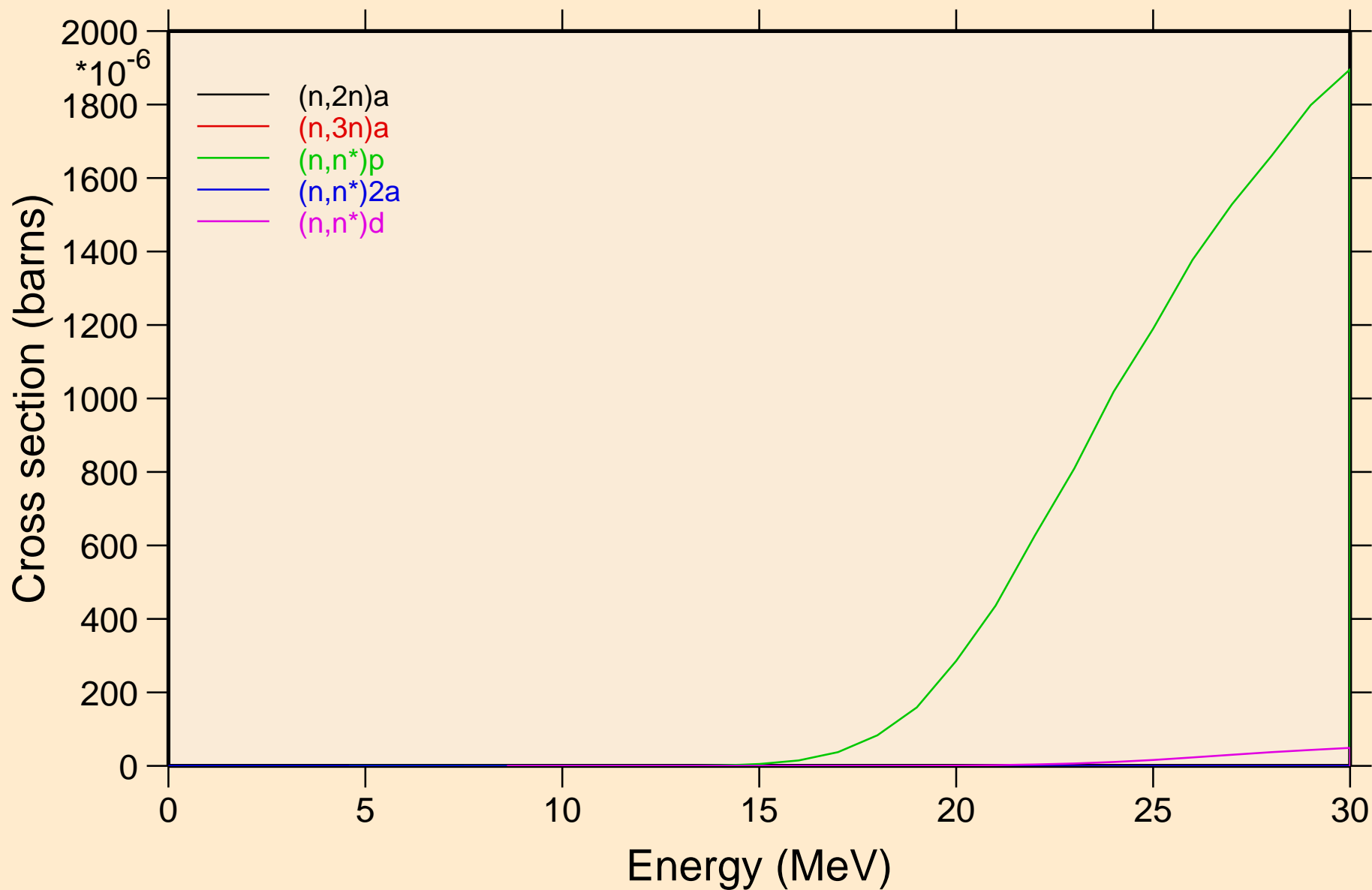


# CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

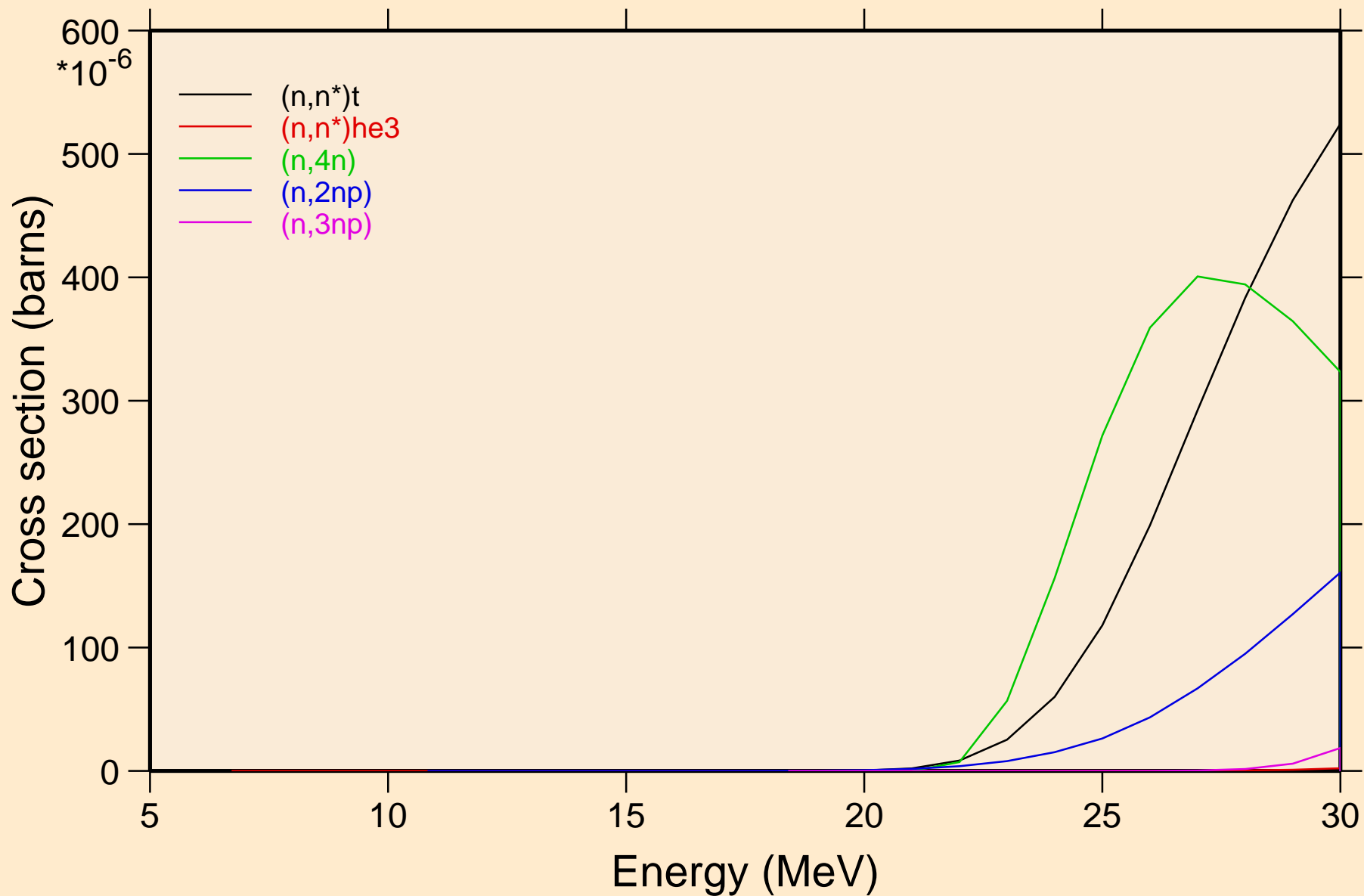
## Threshold reactions



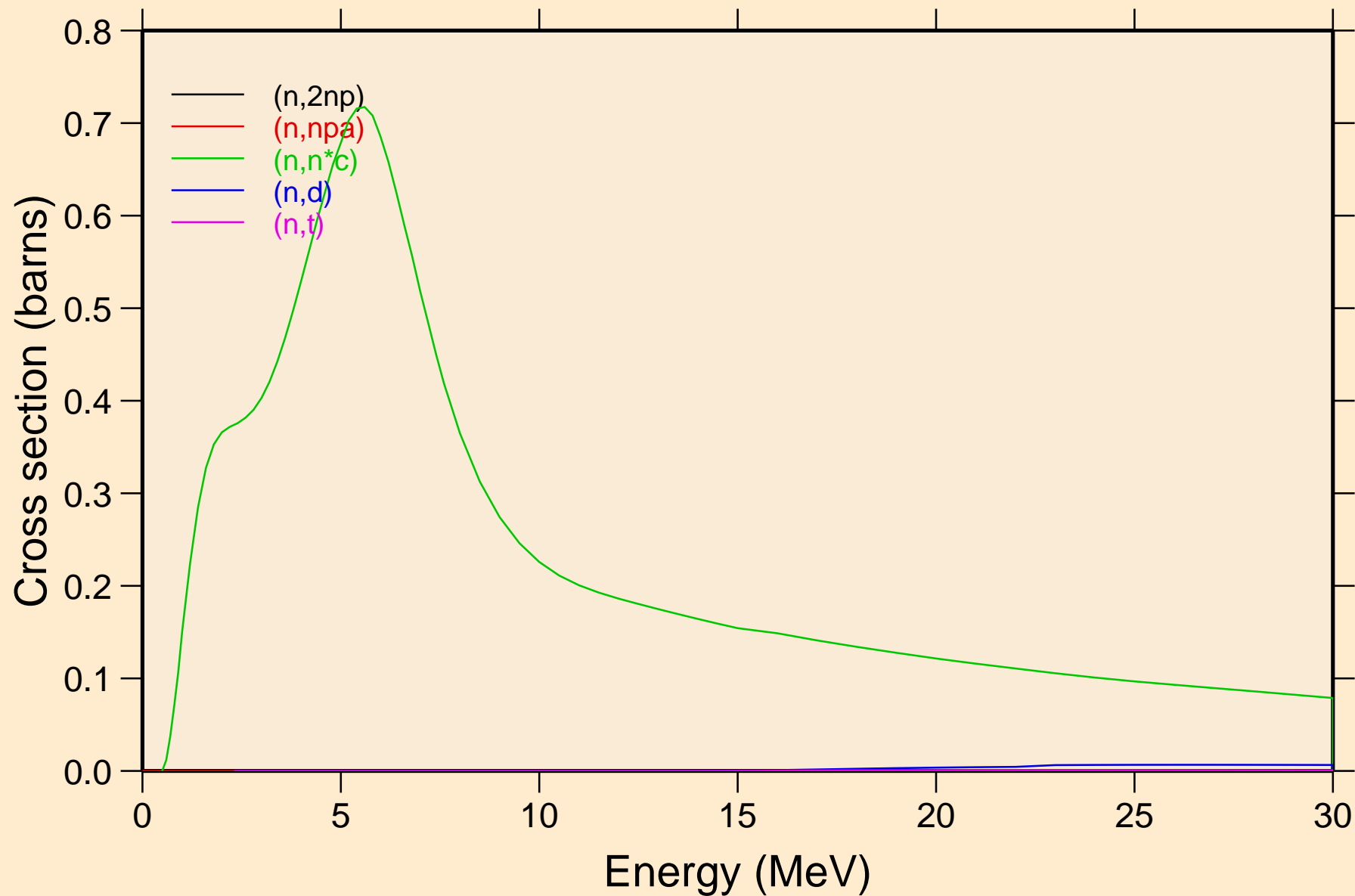
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



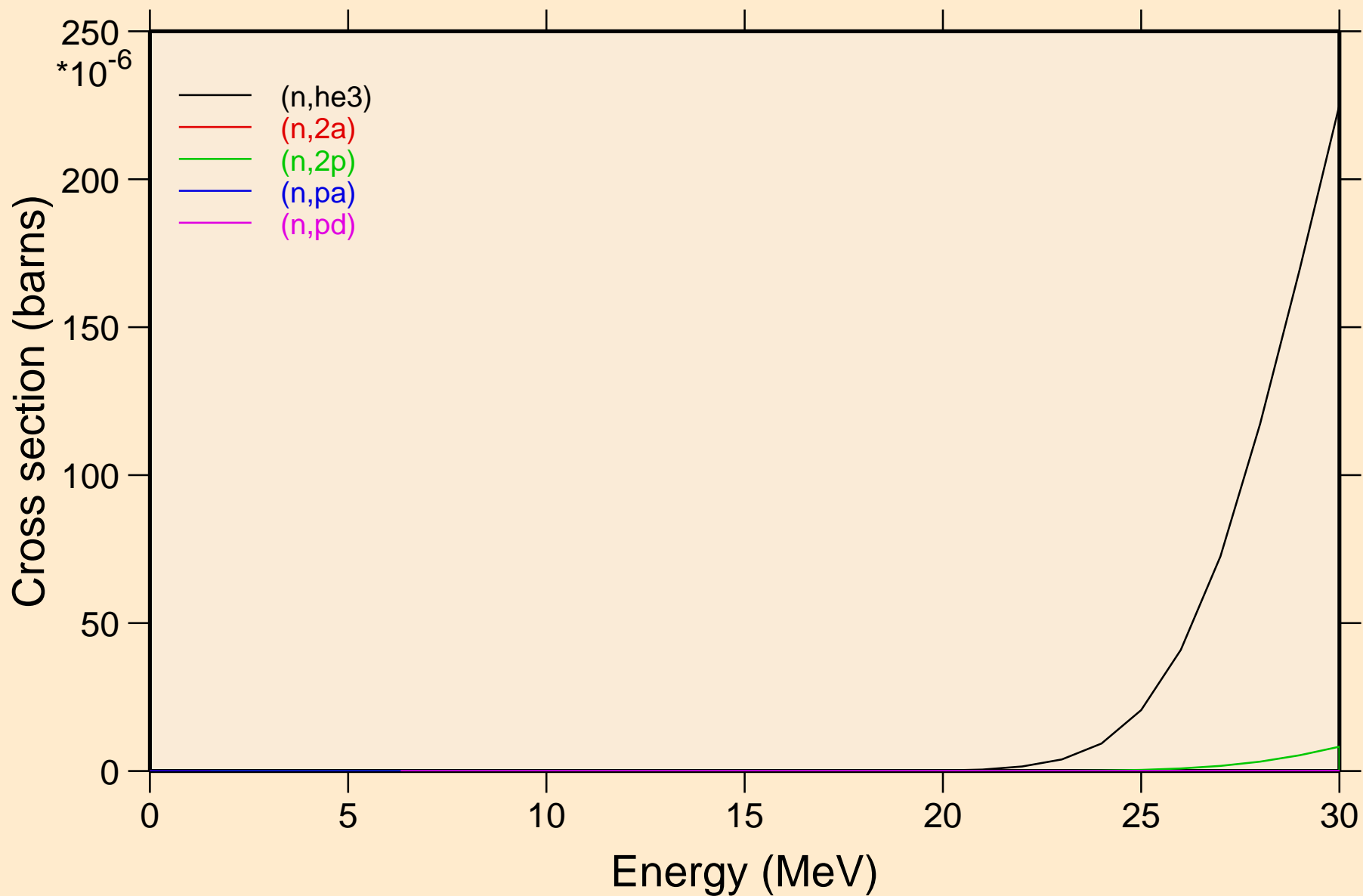
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



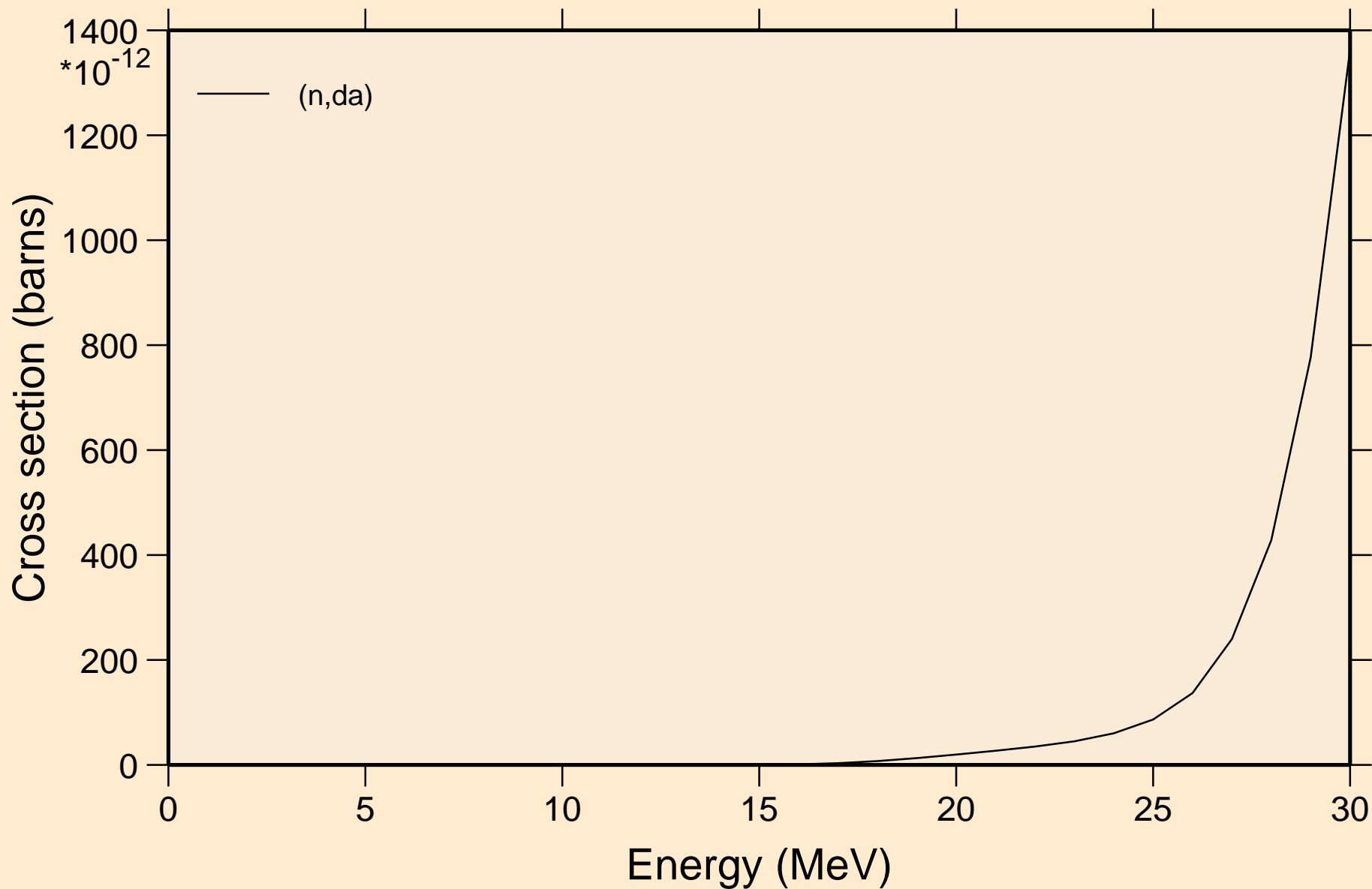
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

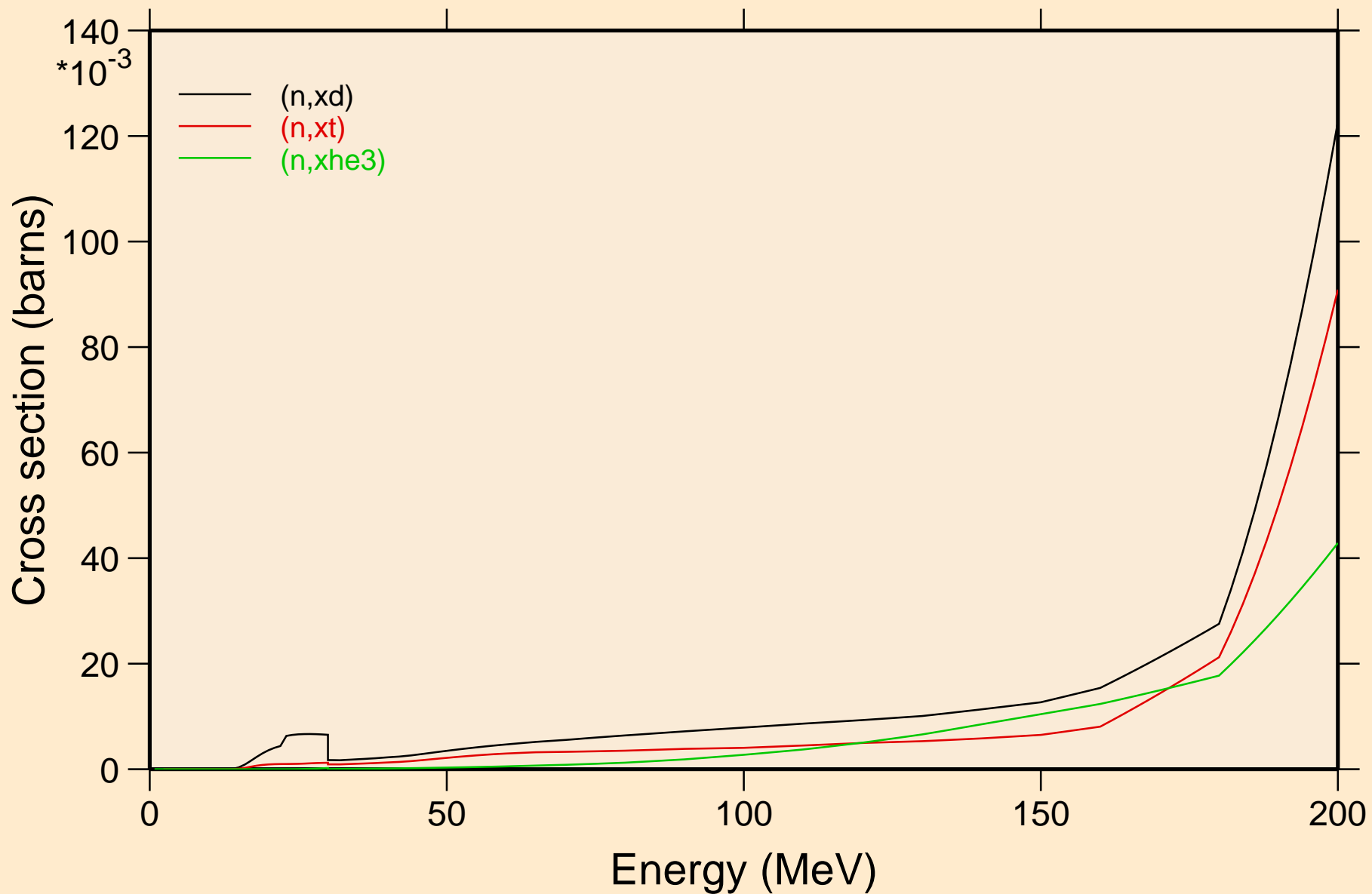


CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions

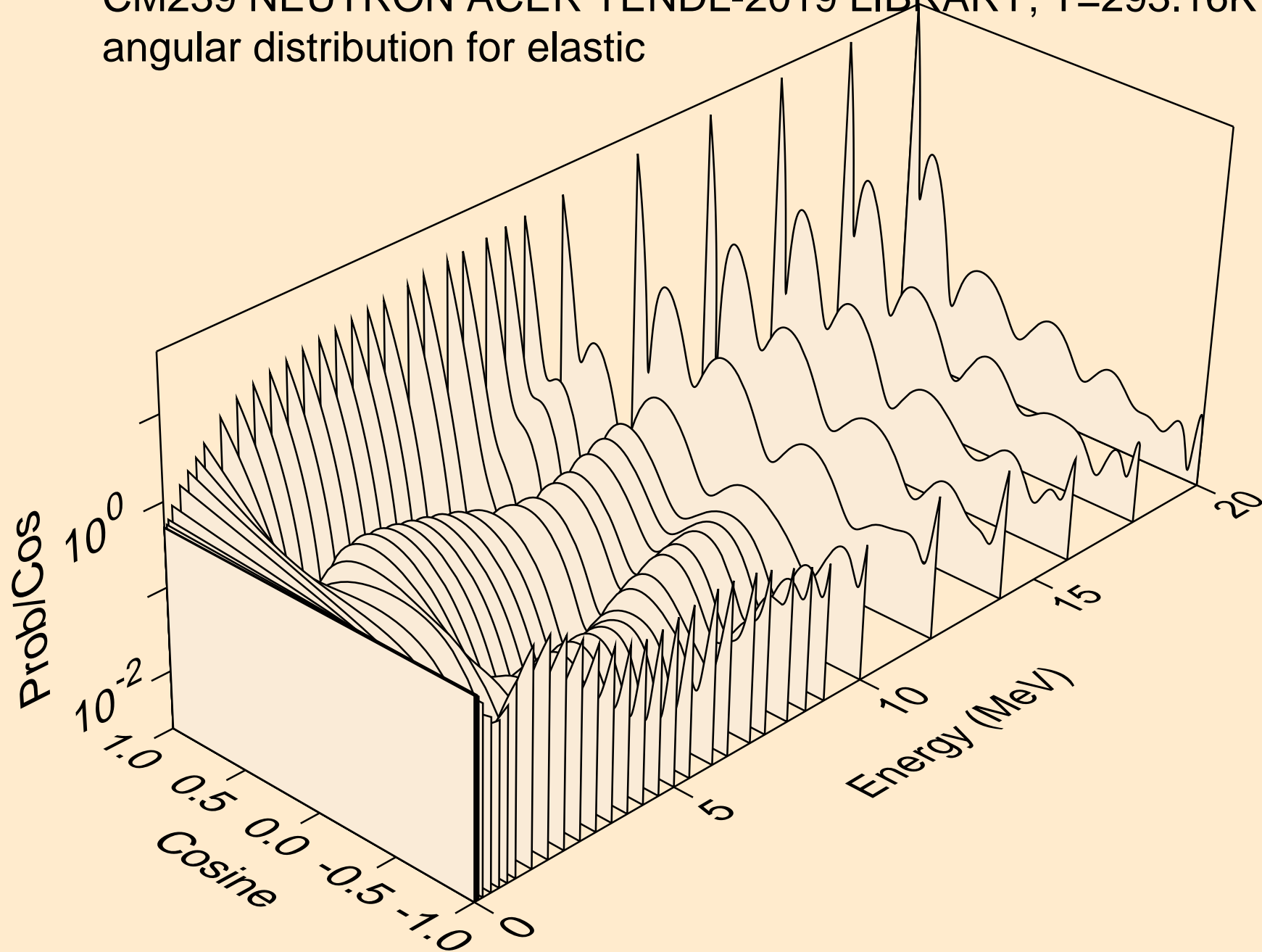




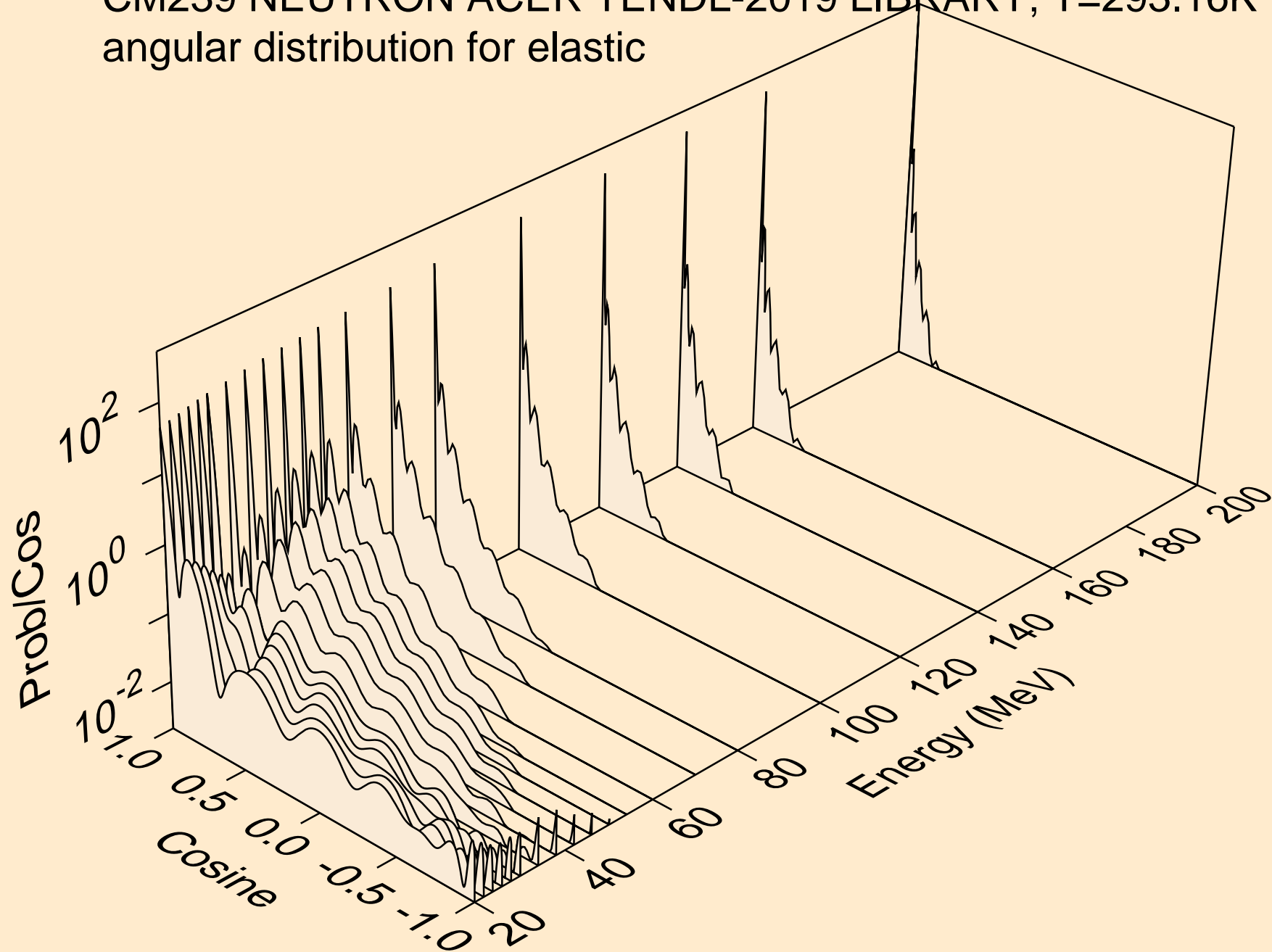
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Threshold reactions



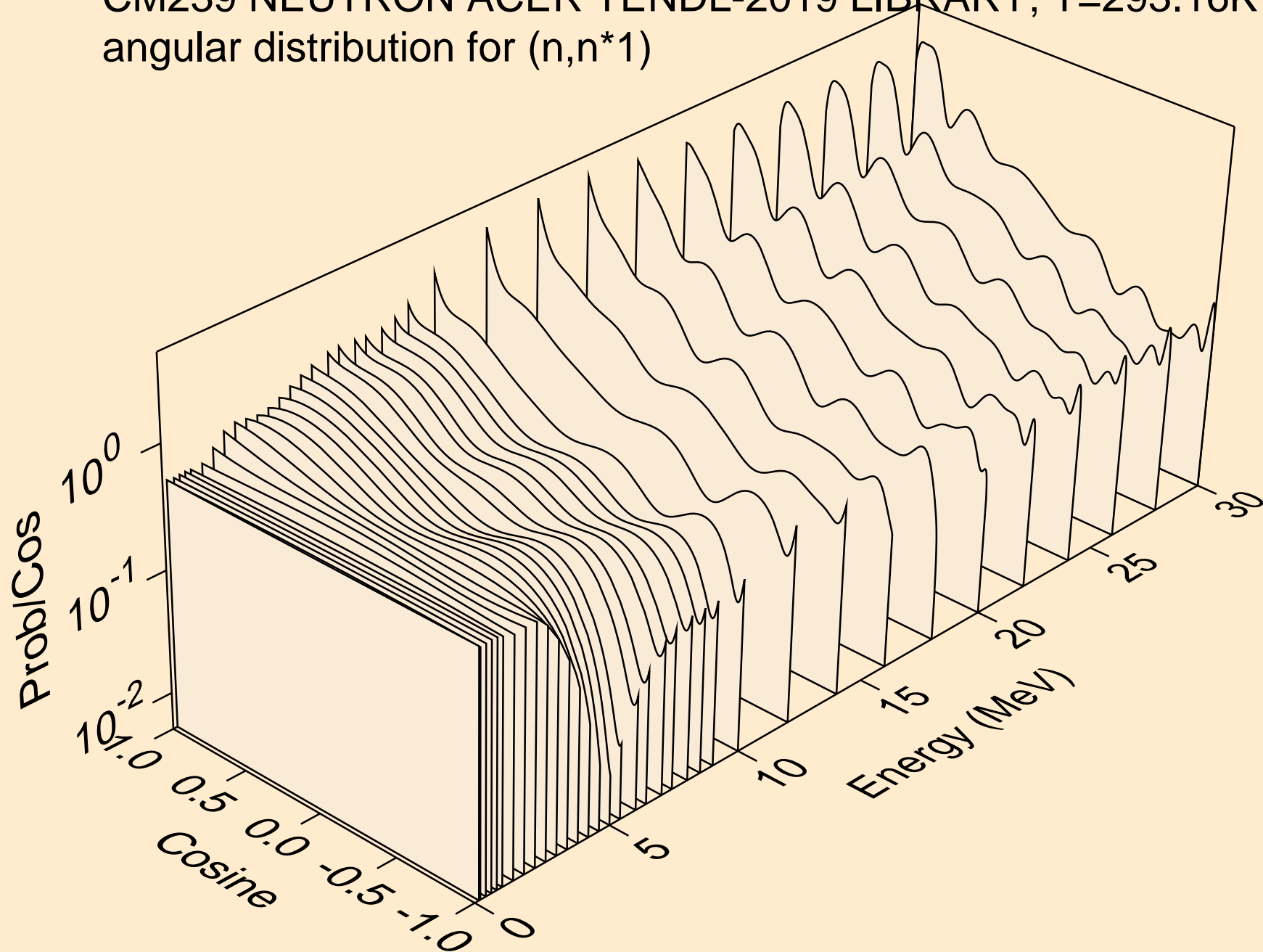
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



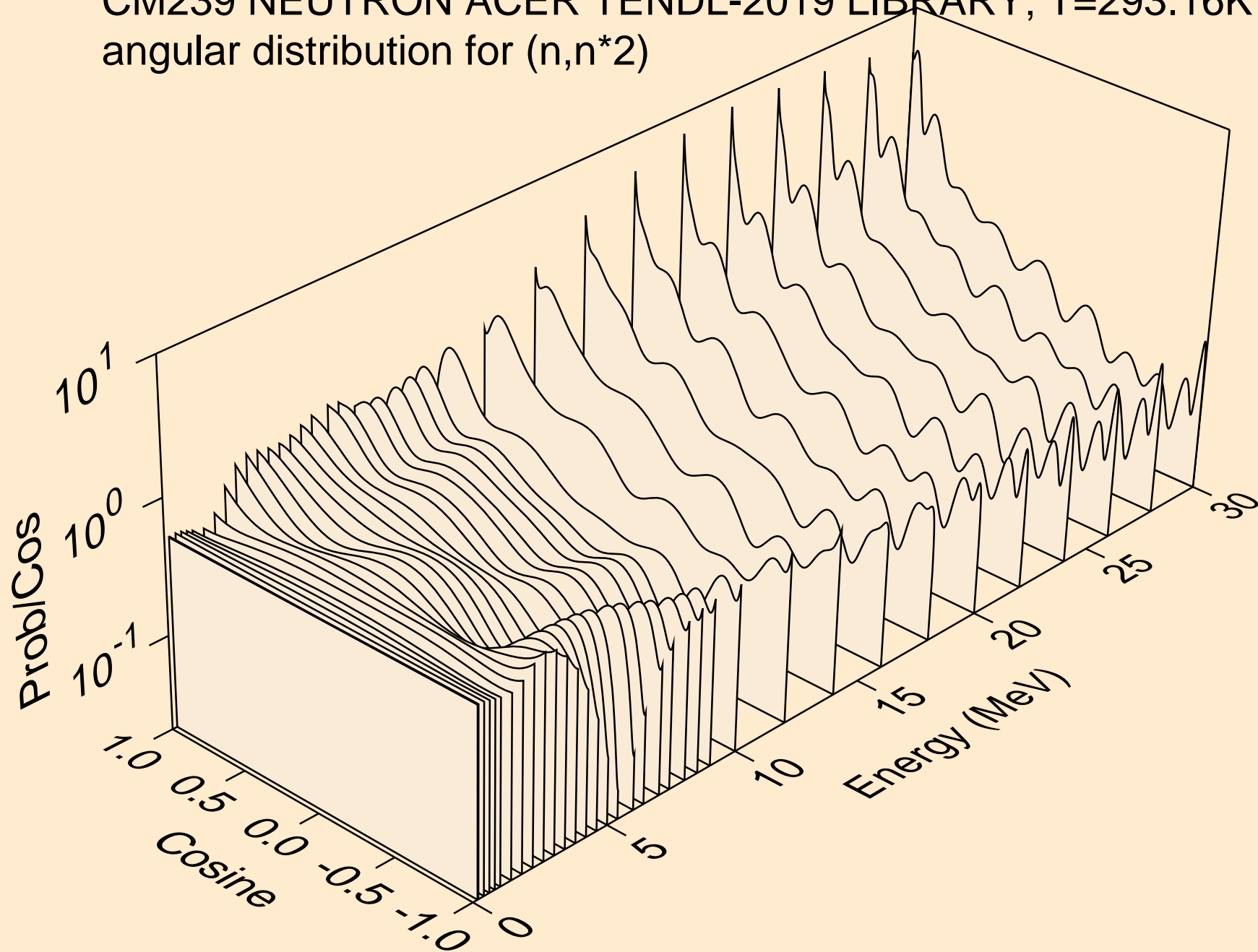
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for elastic



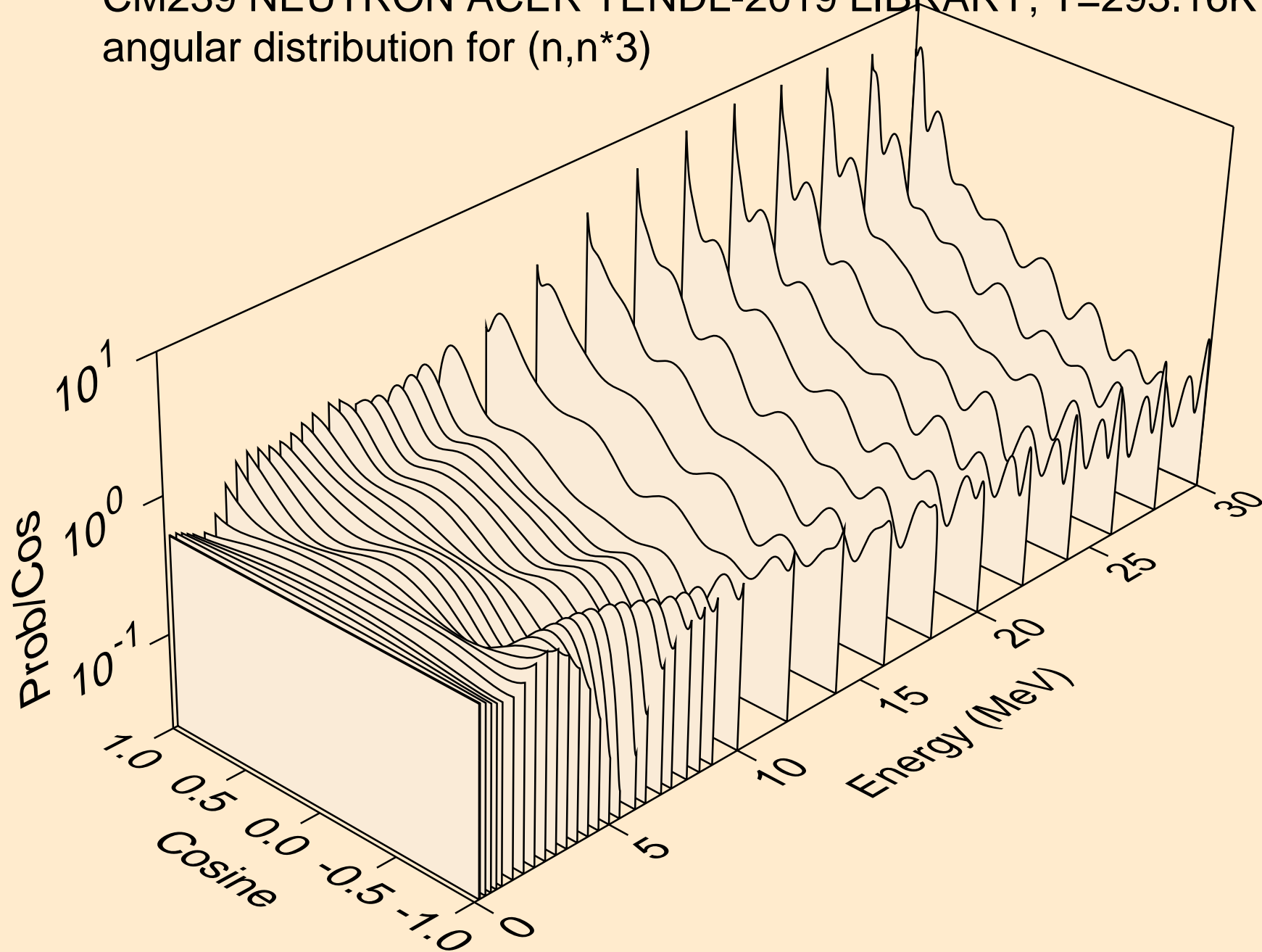
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*1)



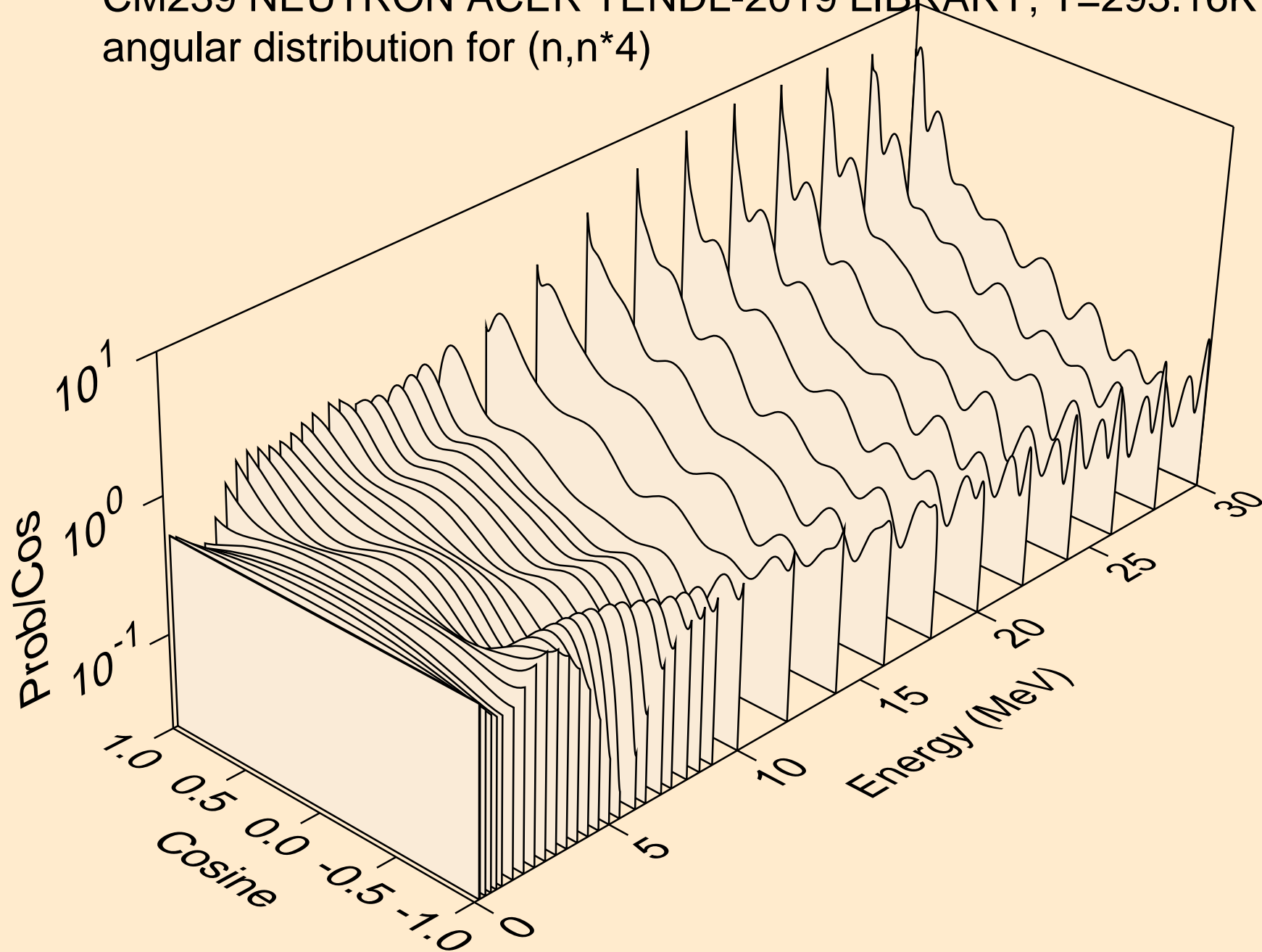
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*2)



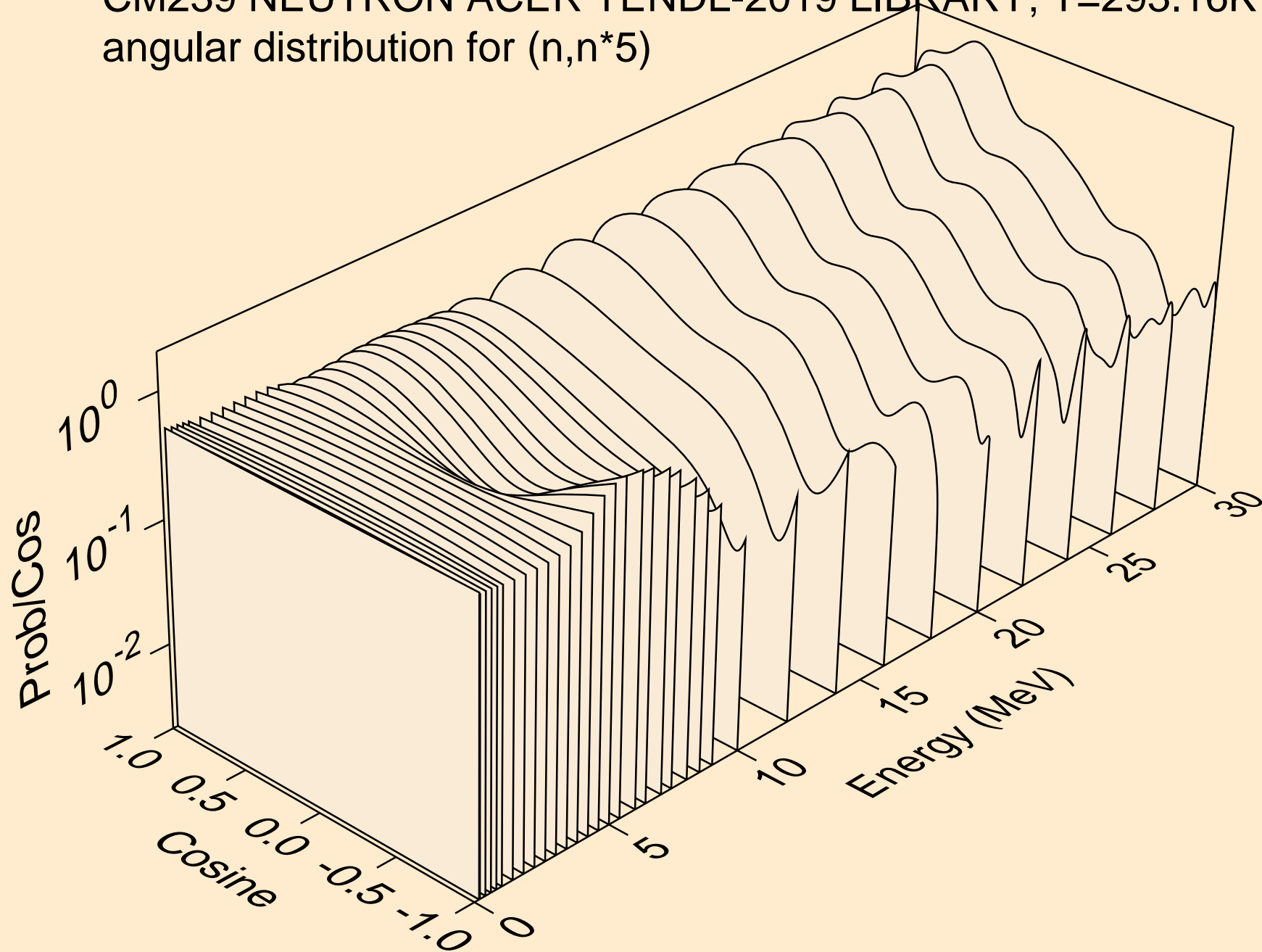
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*3)



CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*4)

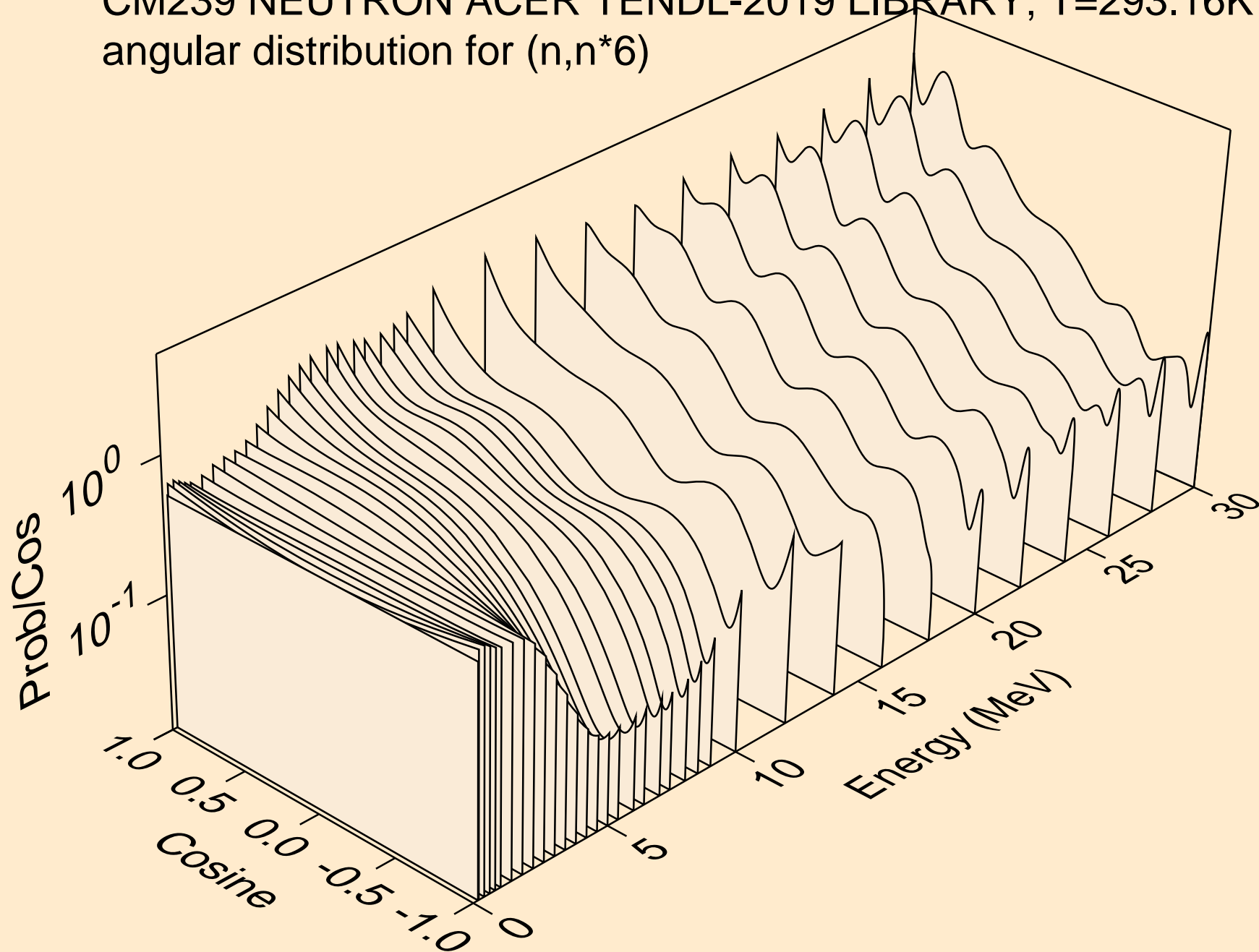


CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*5)

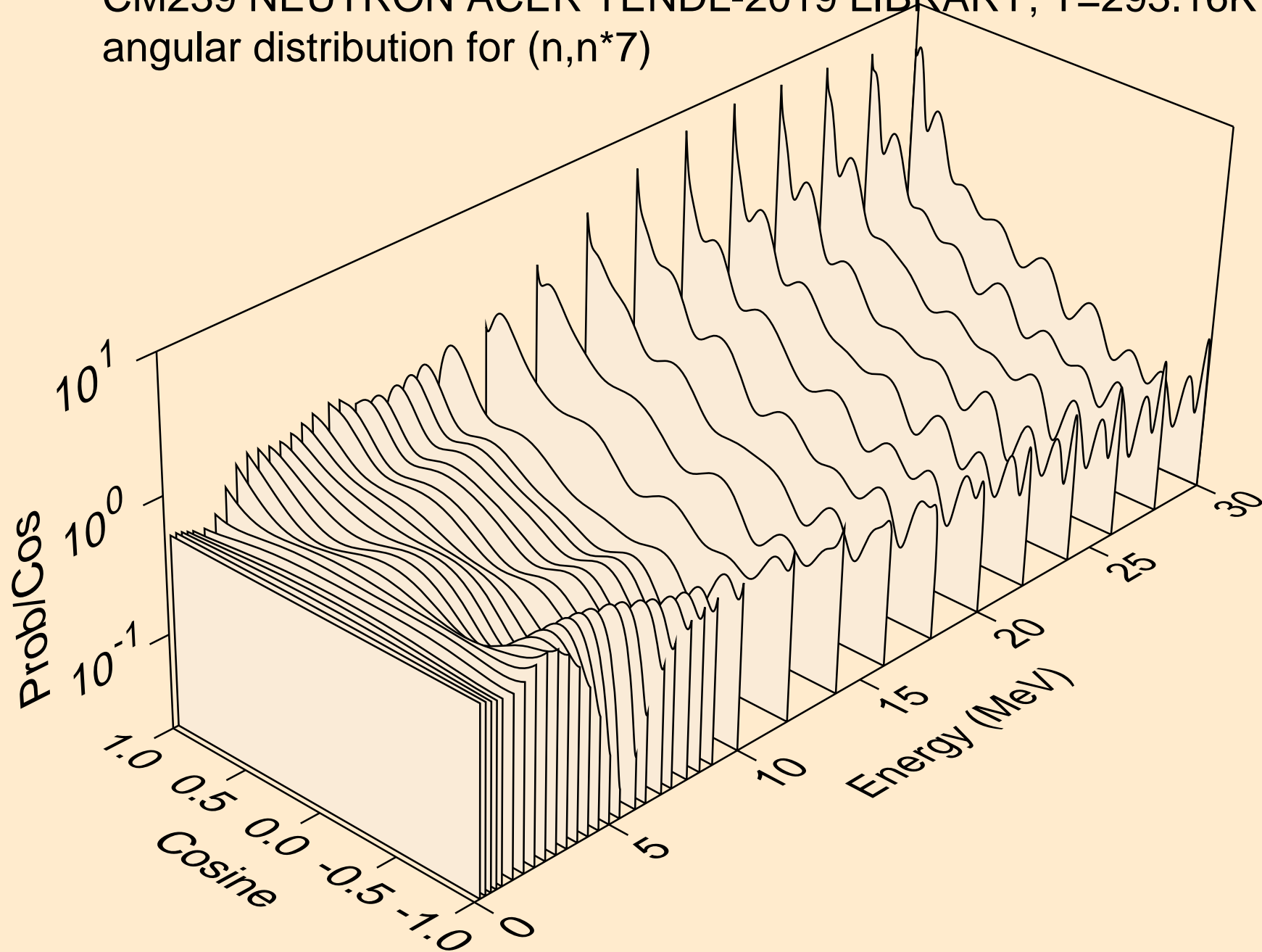




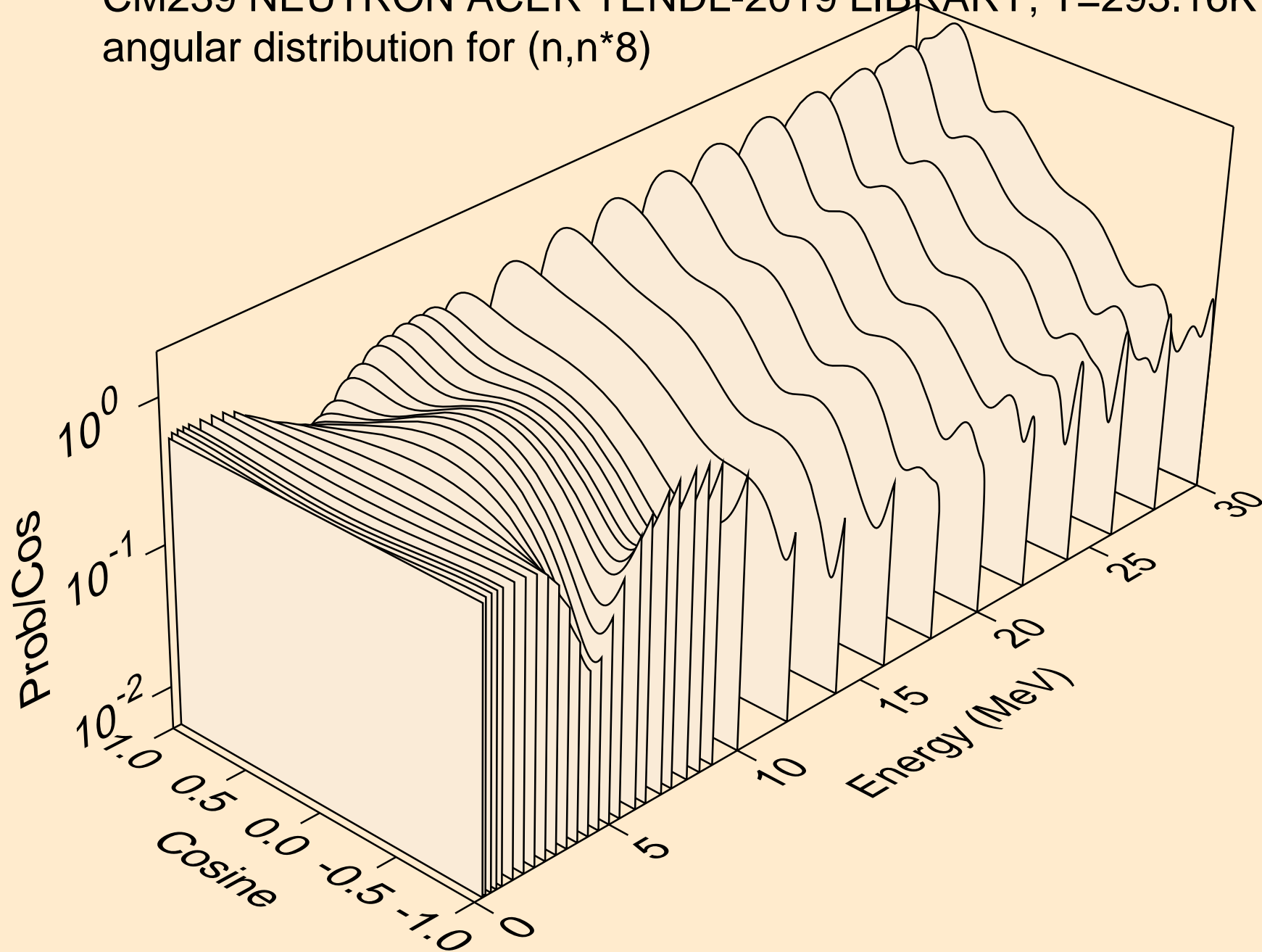
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*6)



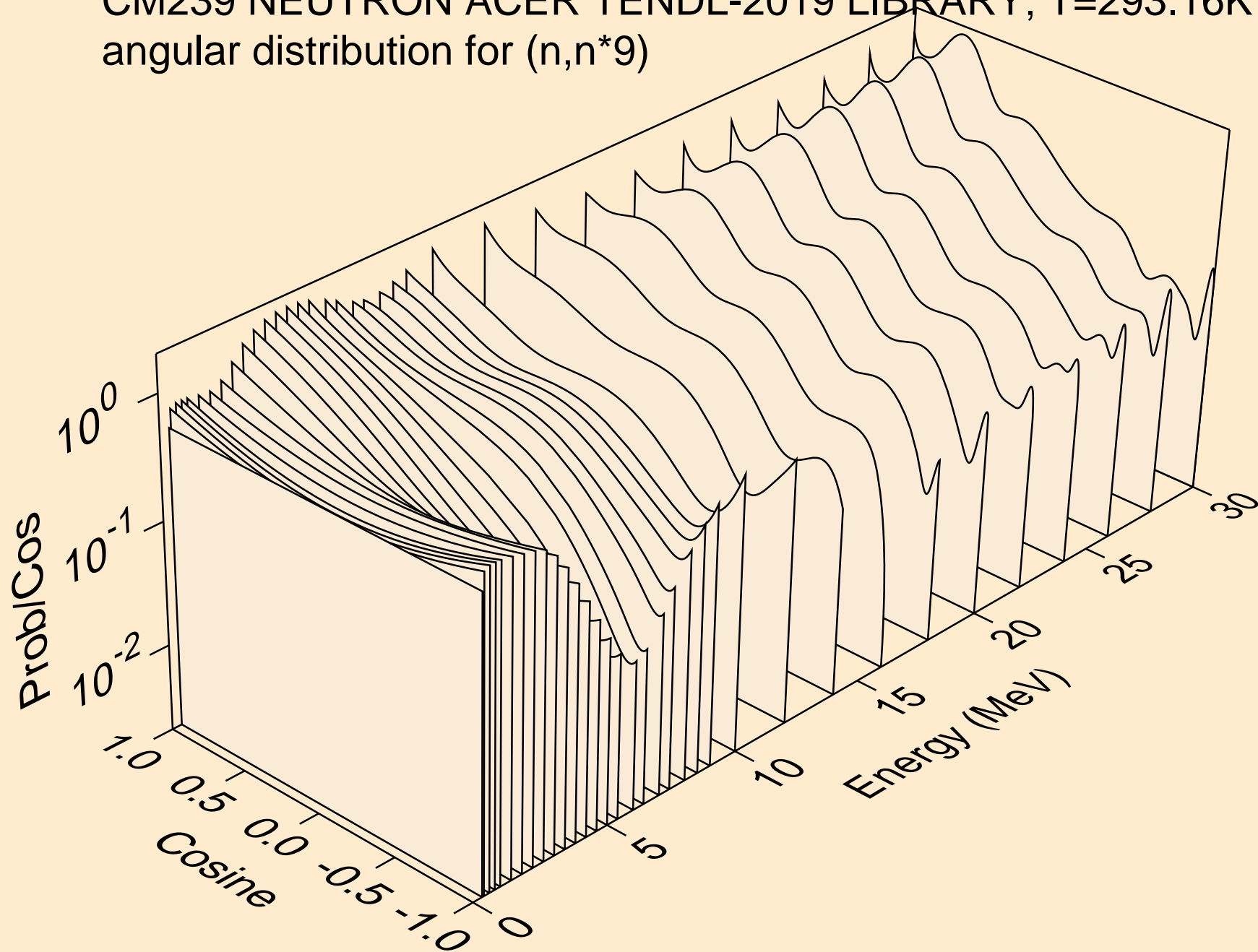
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*7)



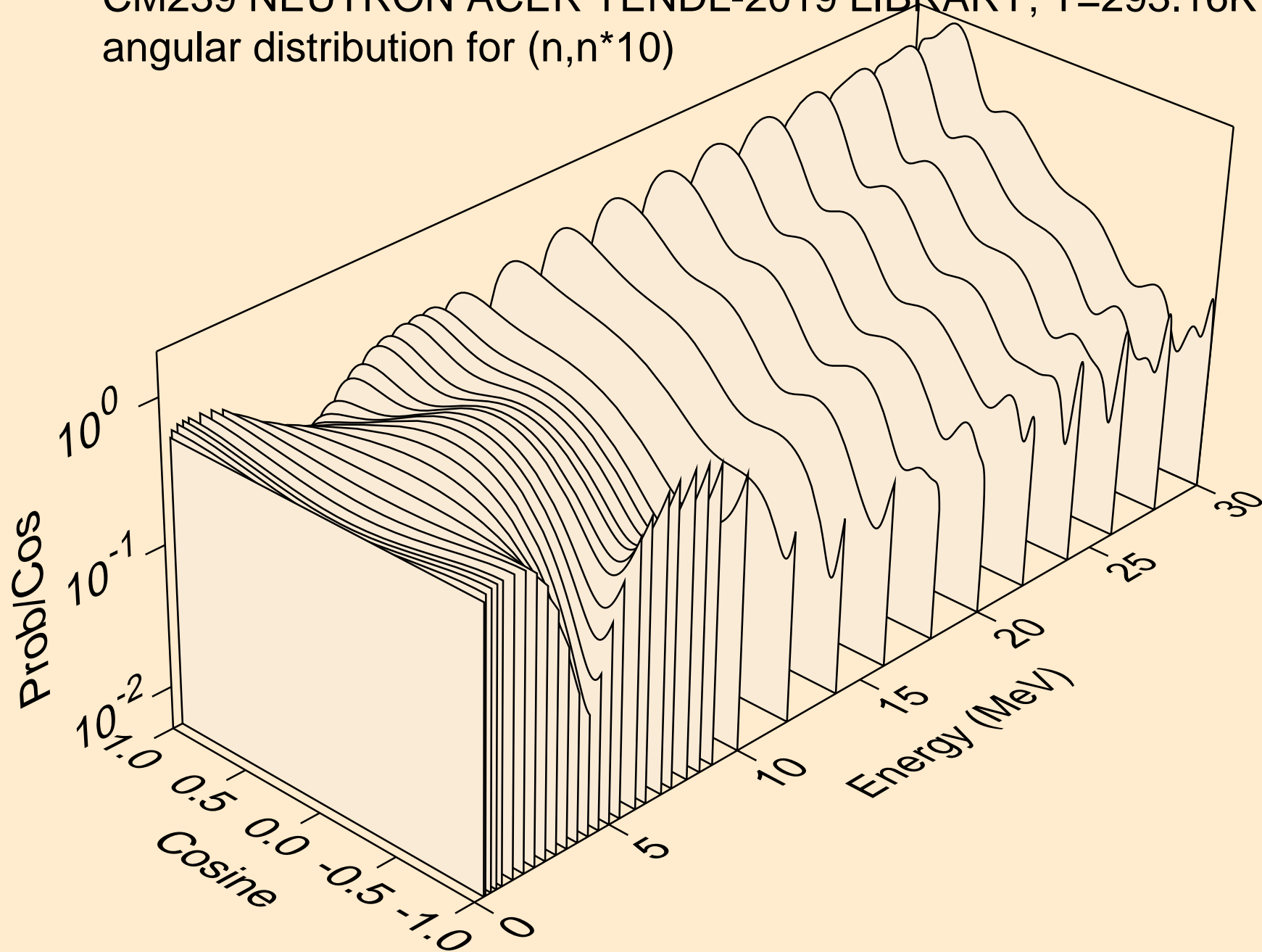
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*8)



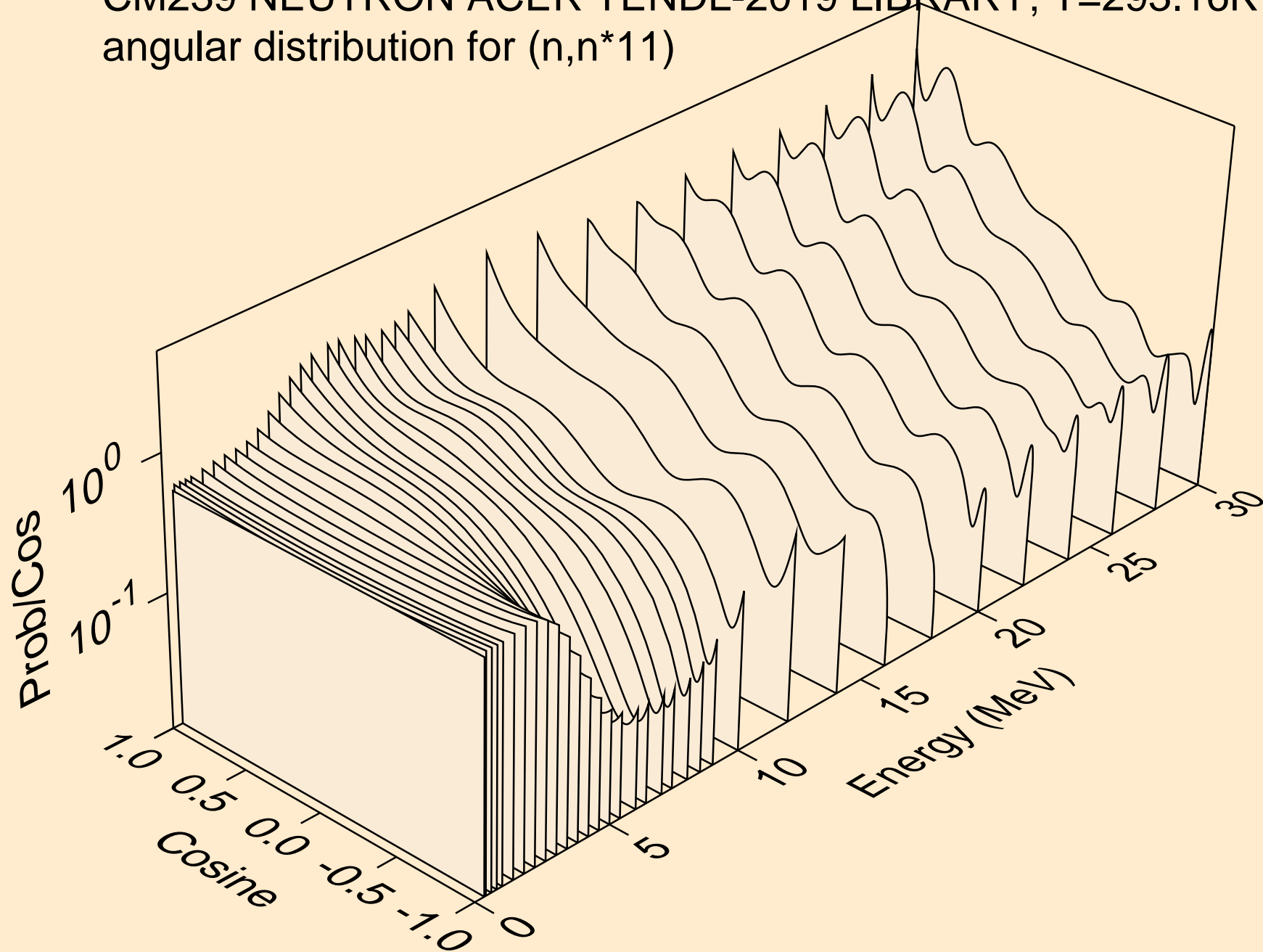
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*9)



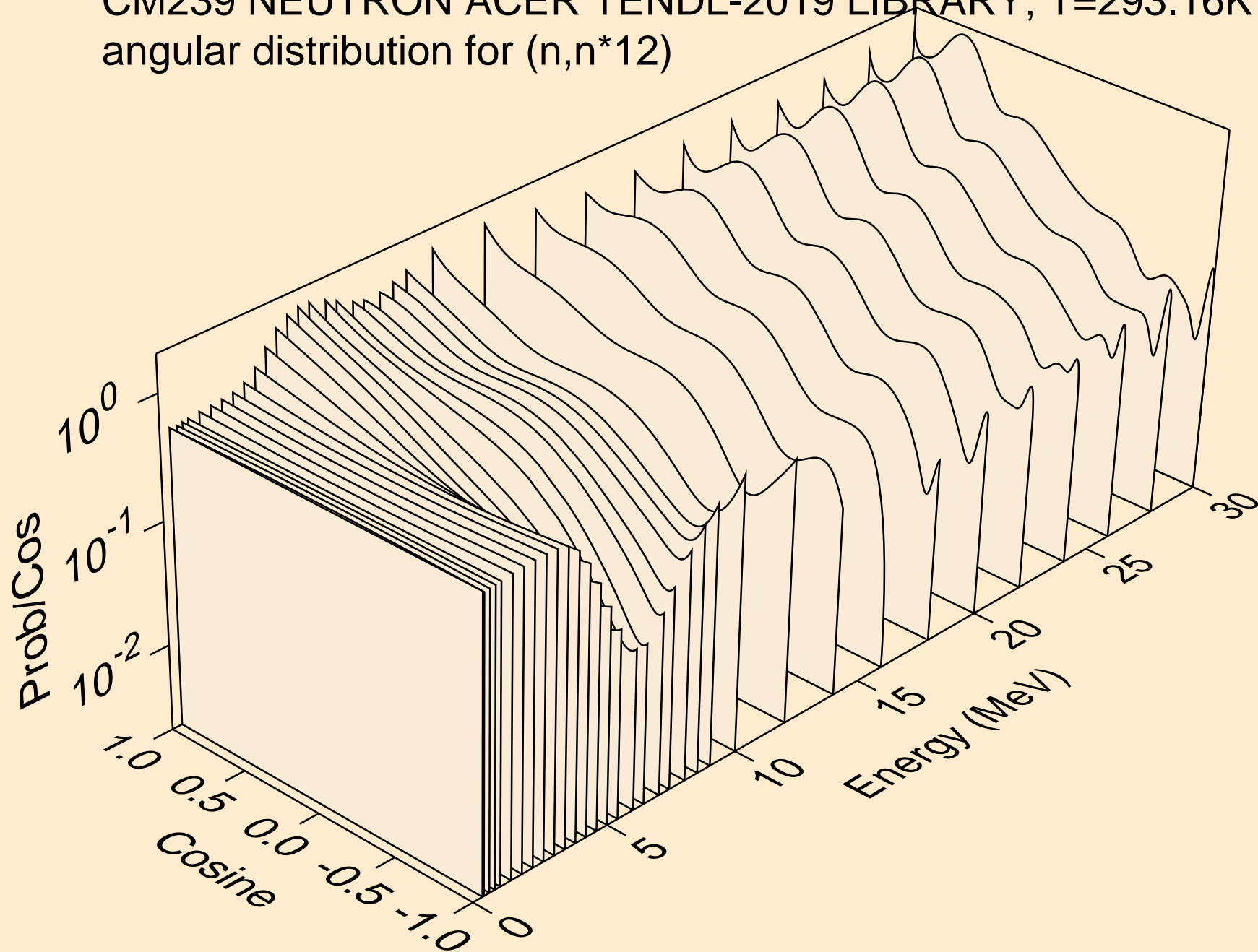
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*10)



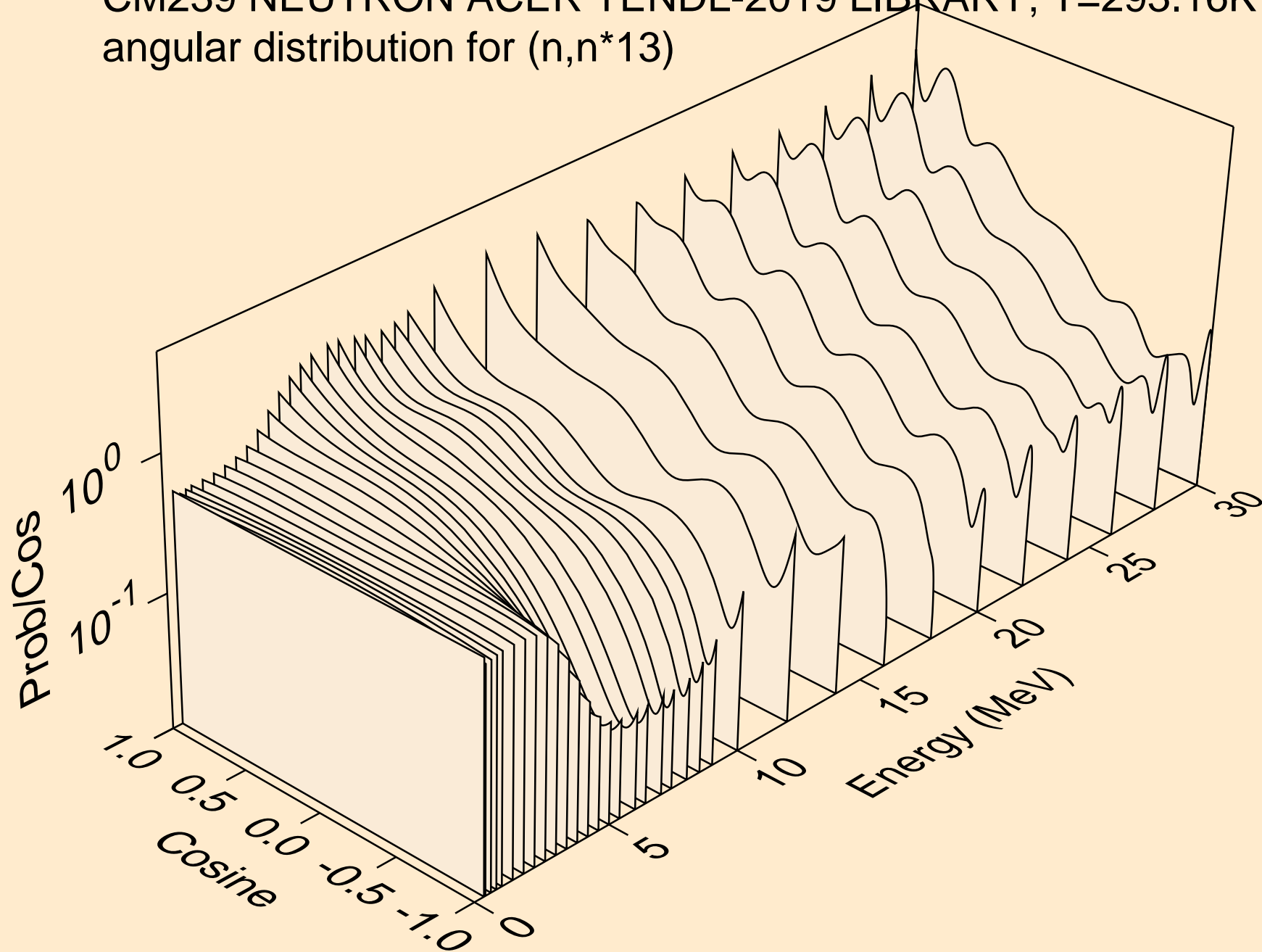
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*11)



CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*12)

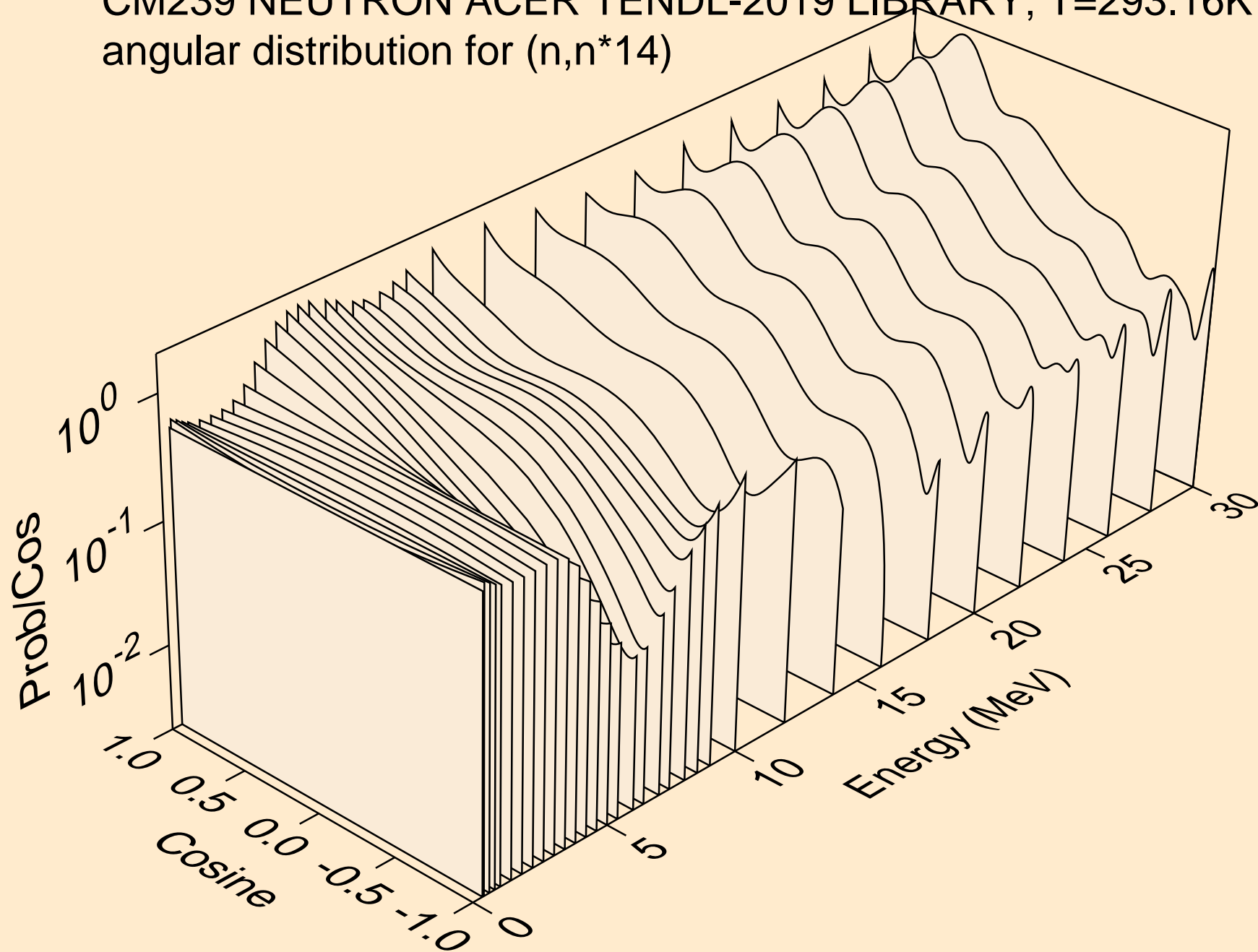


CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*13)

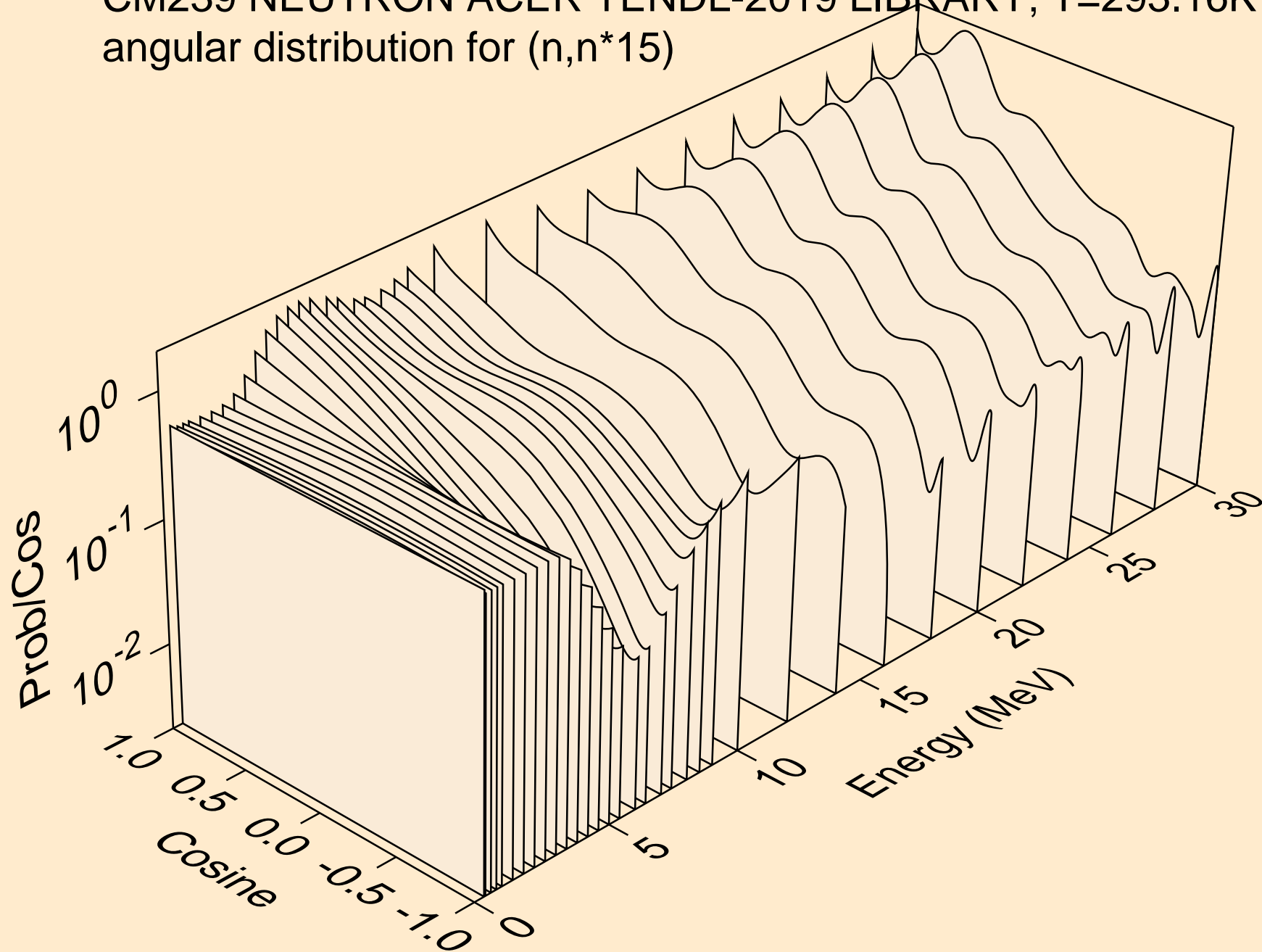




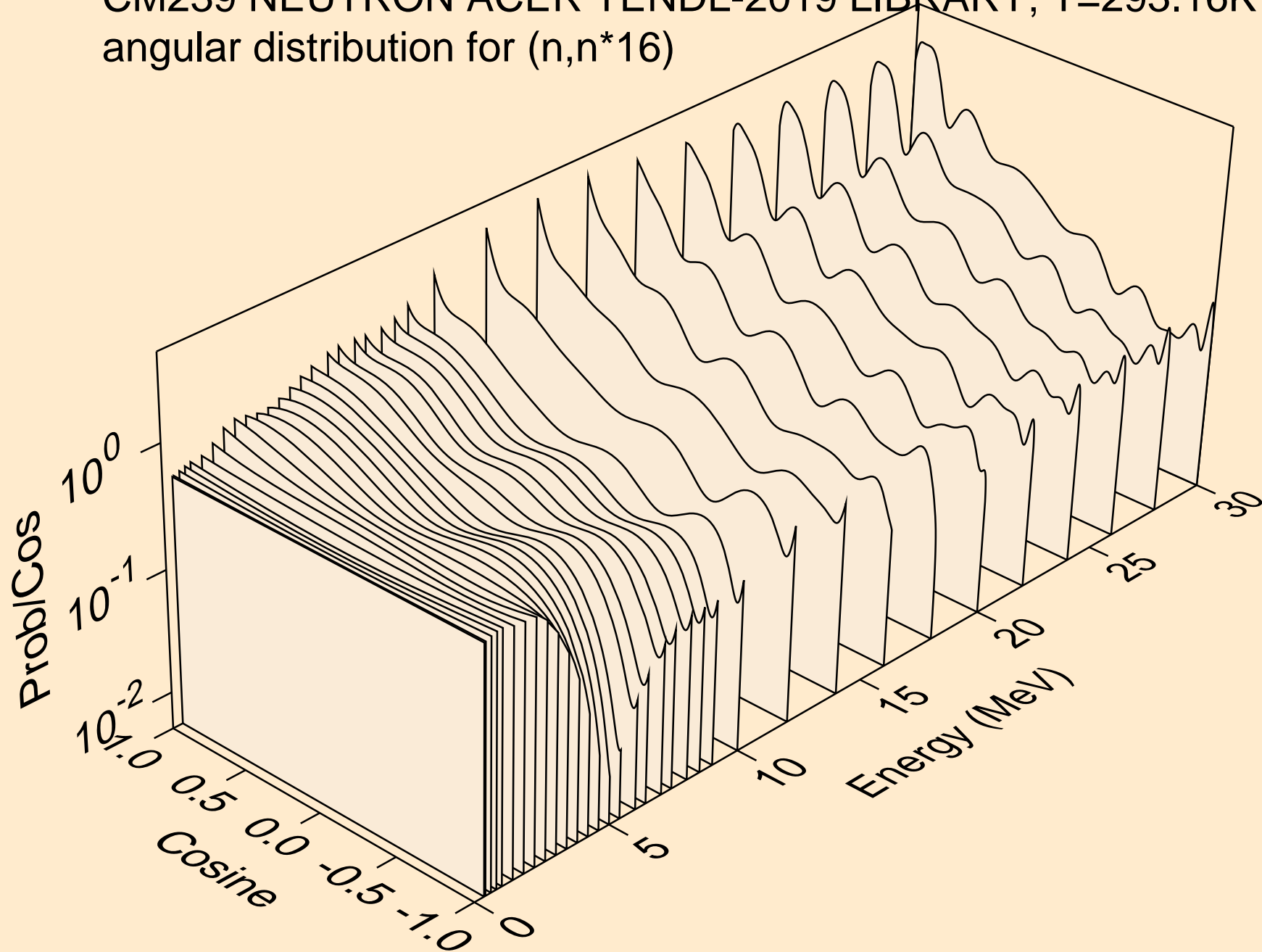
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*14)



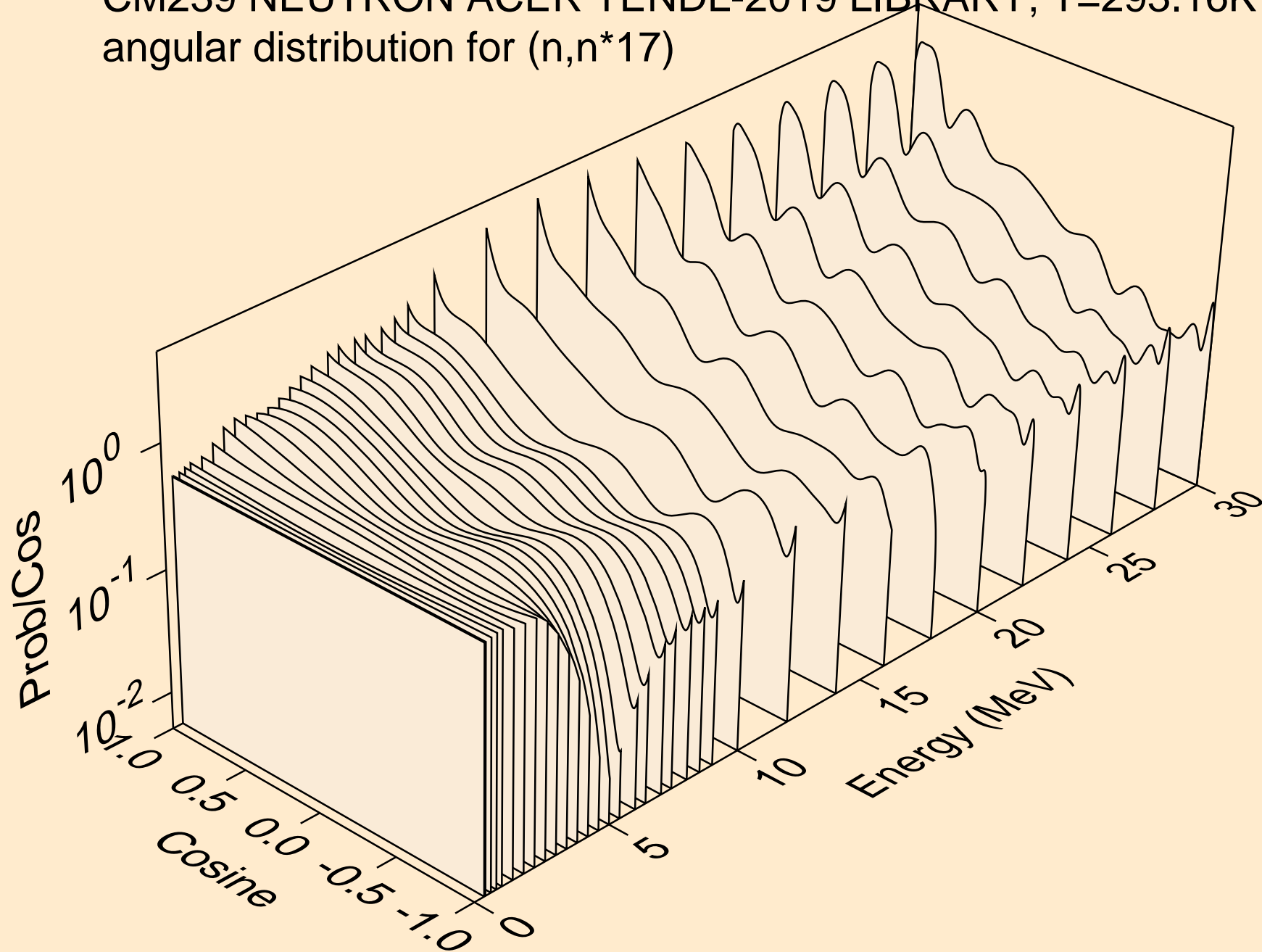
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*15)



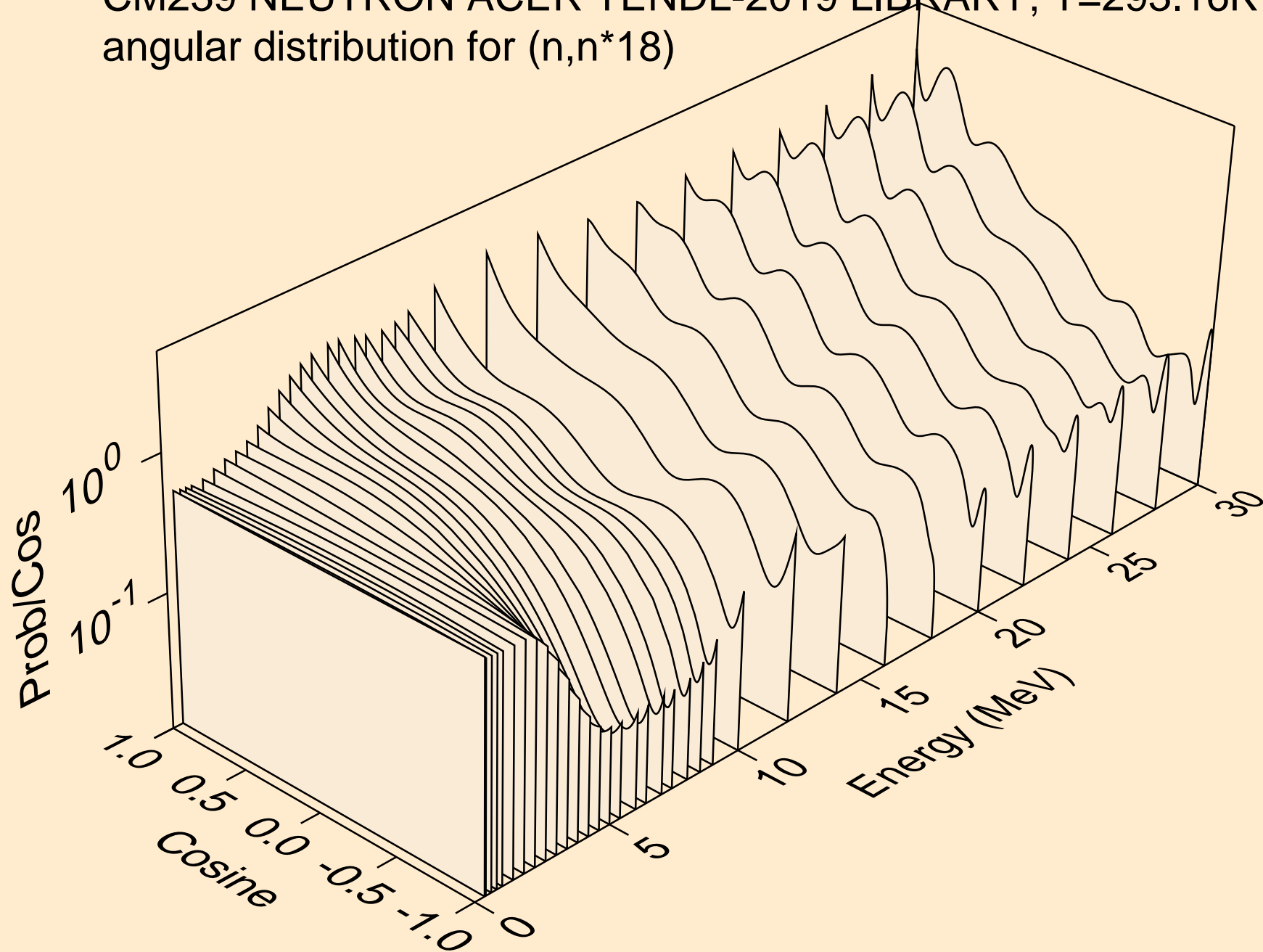
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*16)



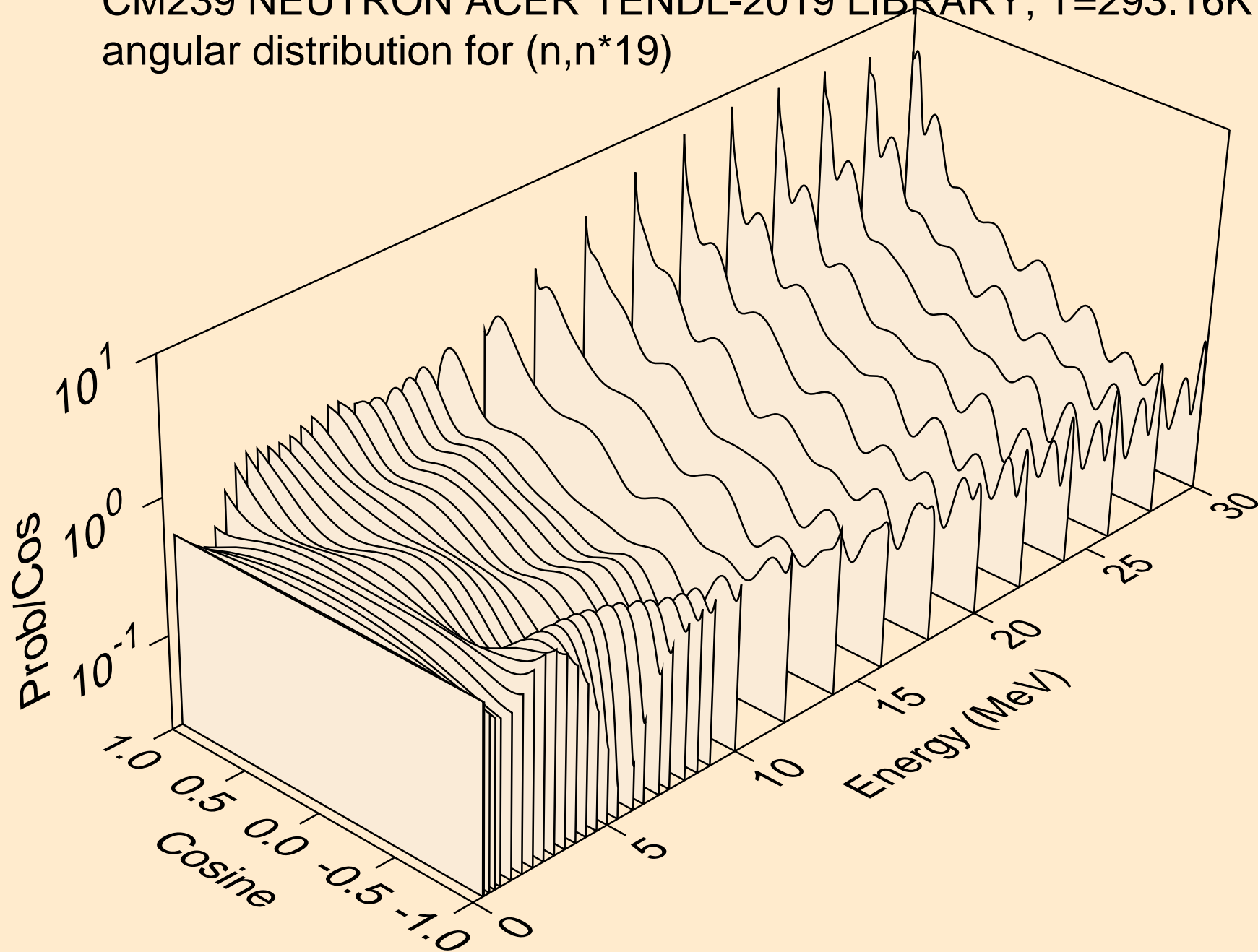
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*17)



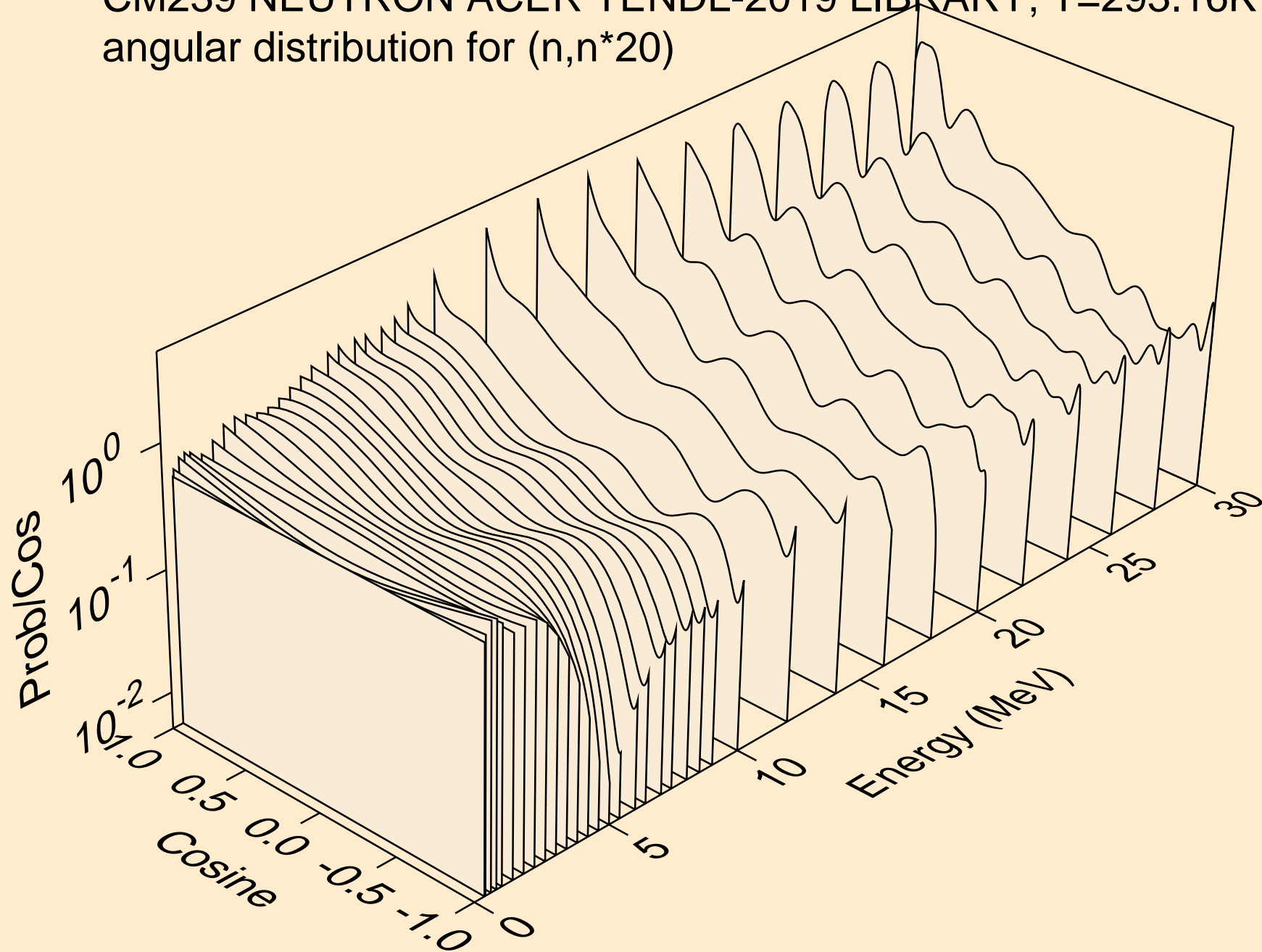
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*18)



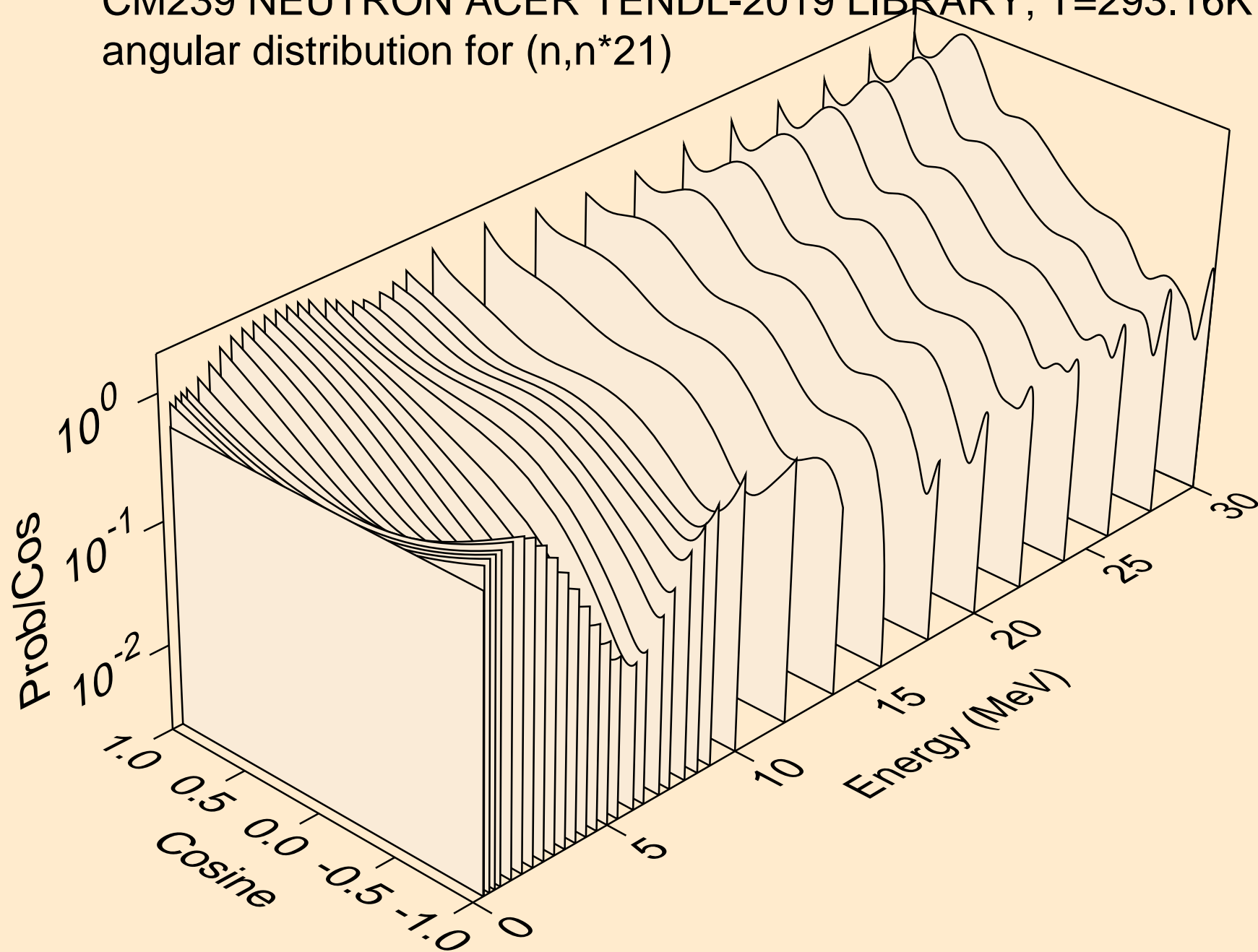
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*19)



CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*20)

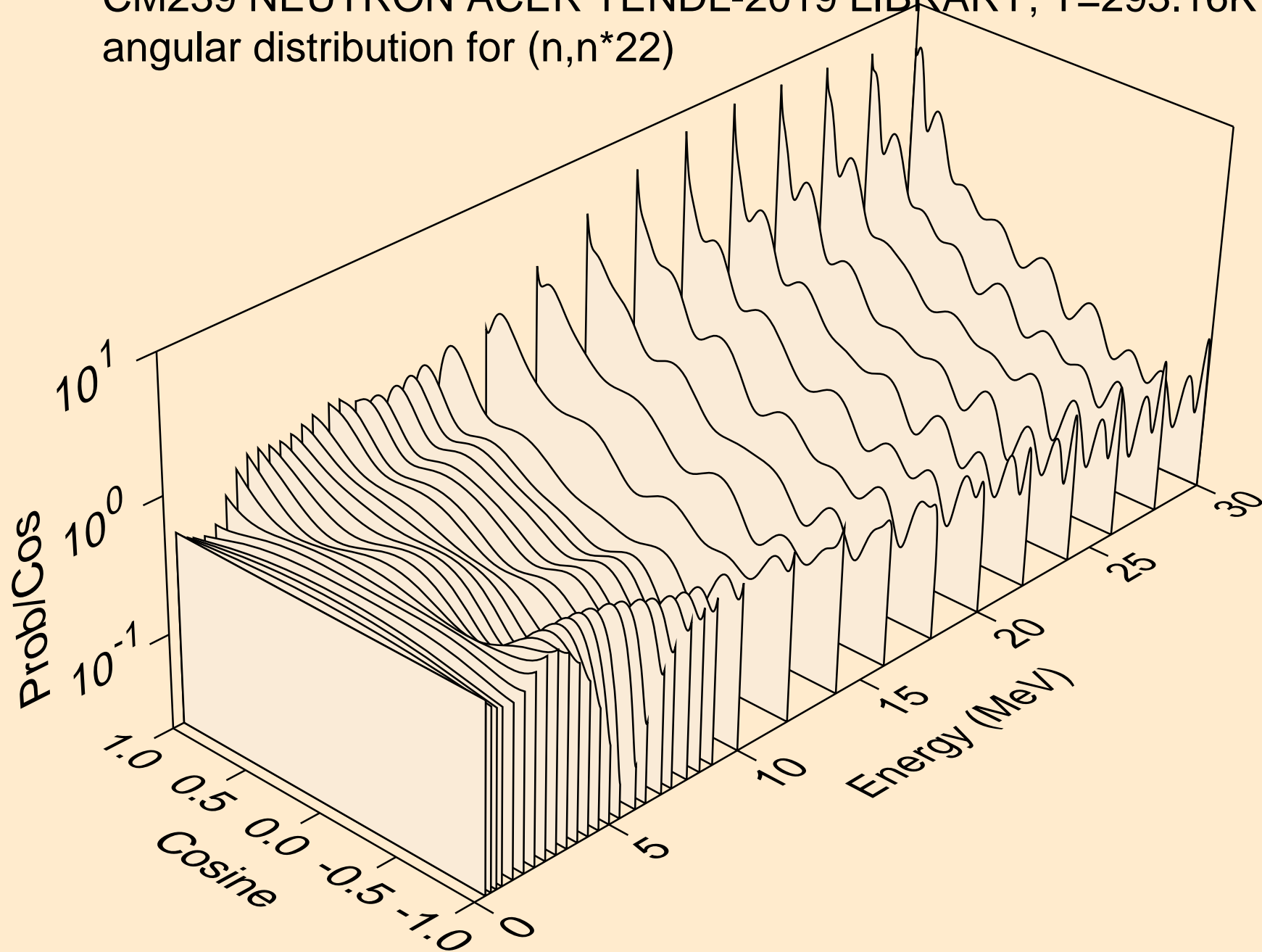


CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*21)

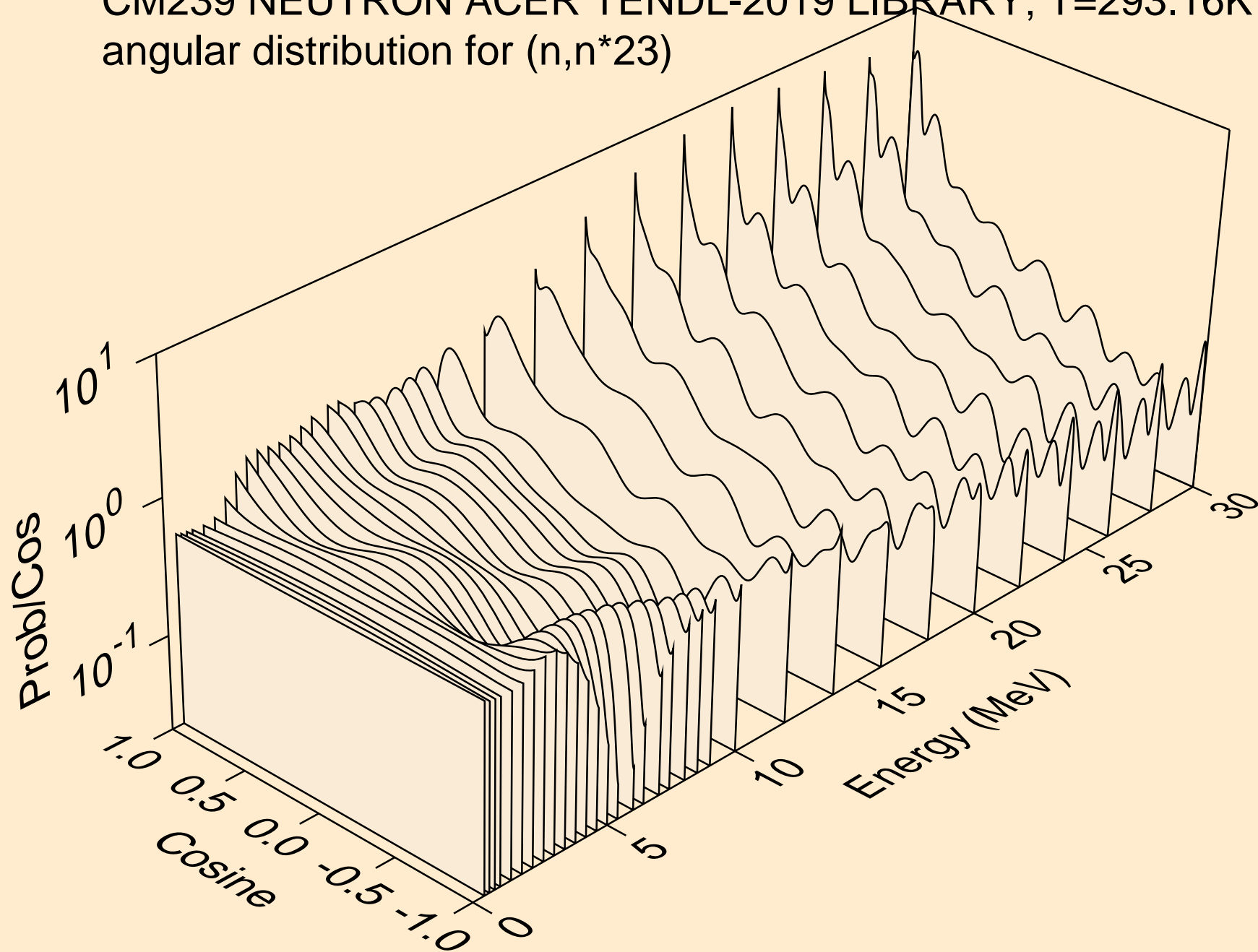




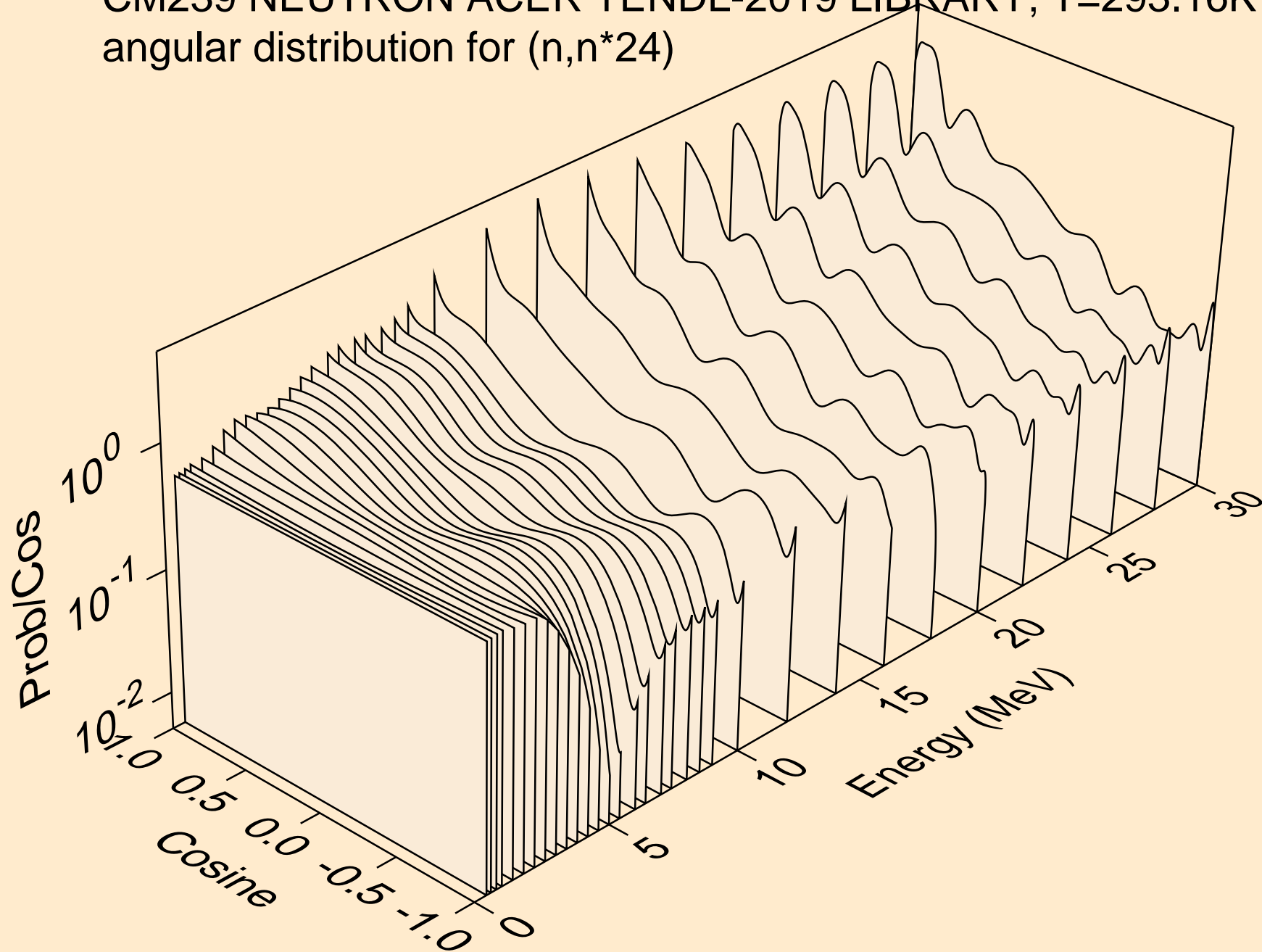
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*22)



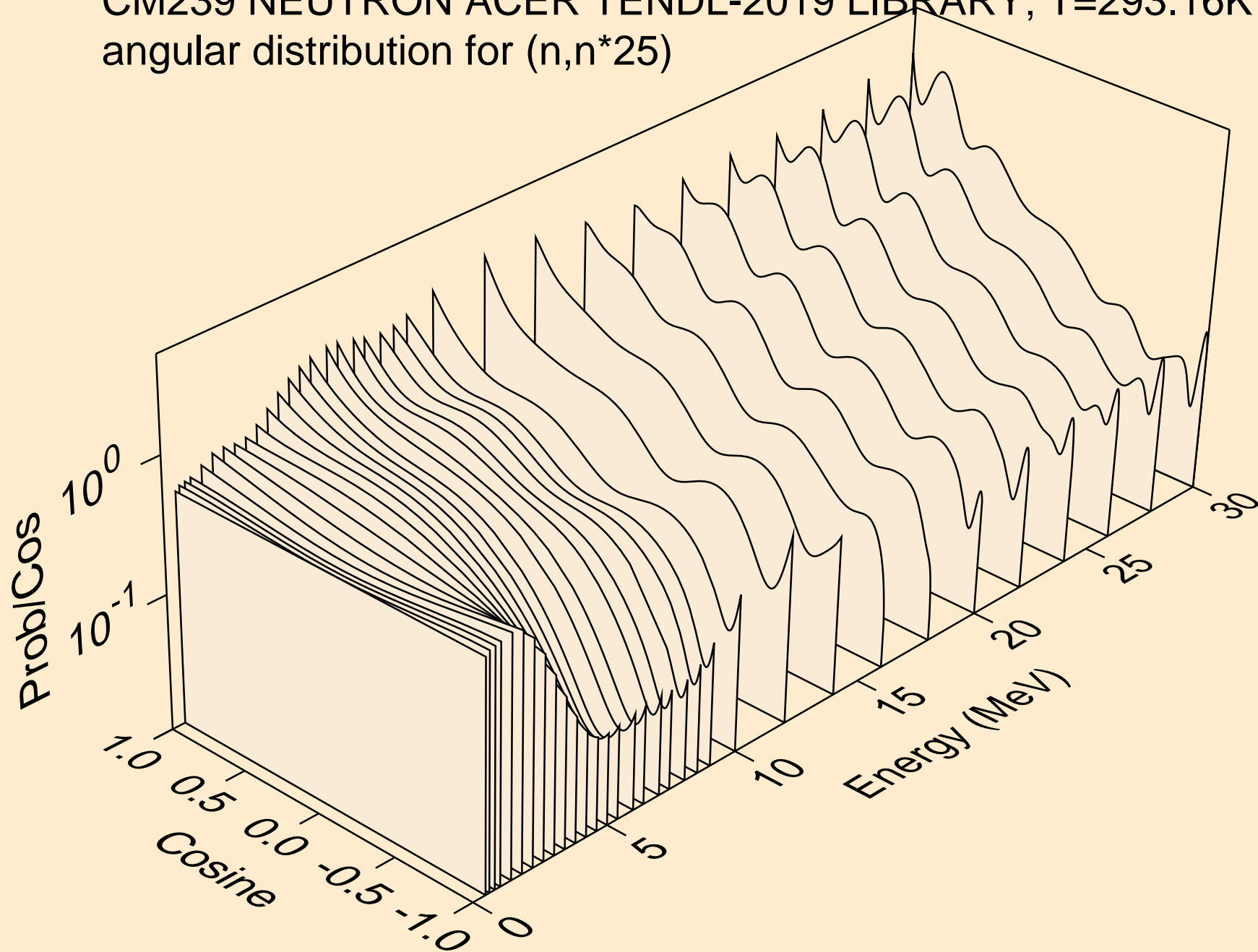
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*23)



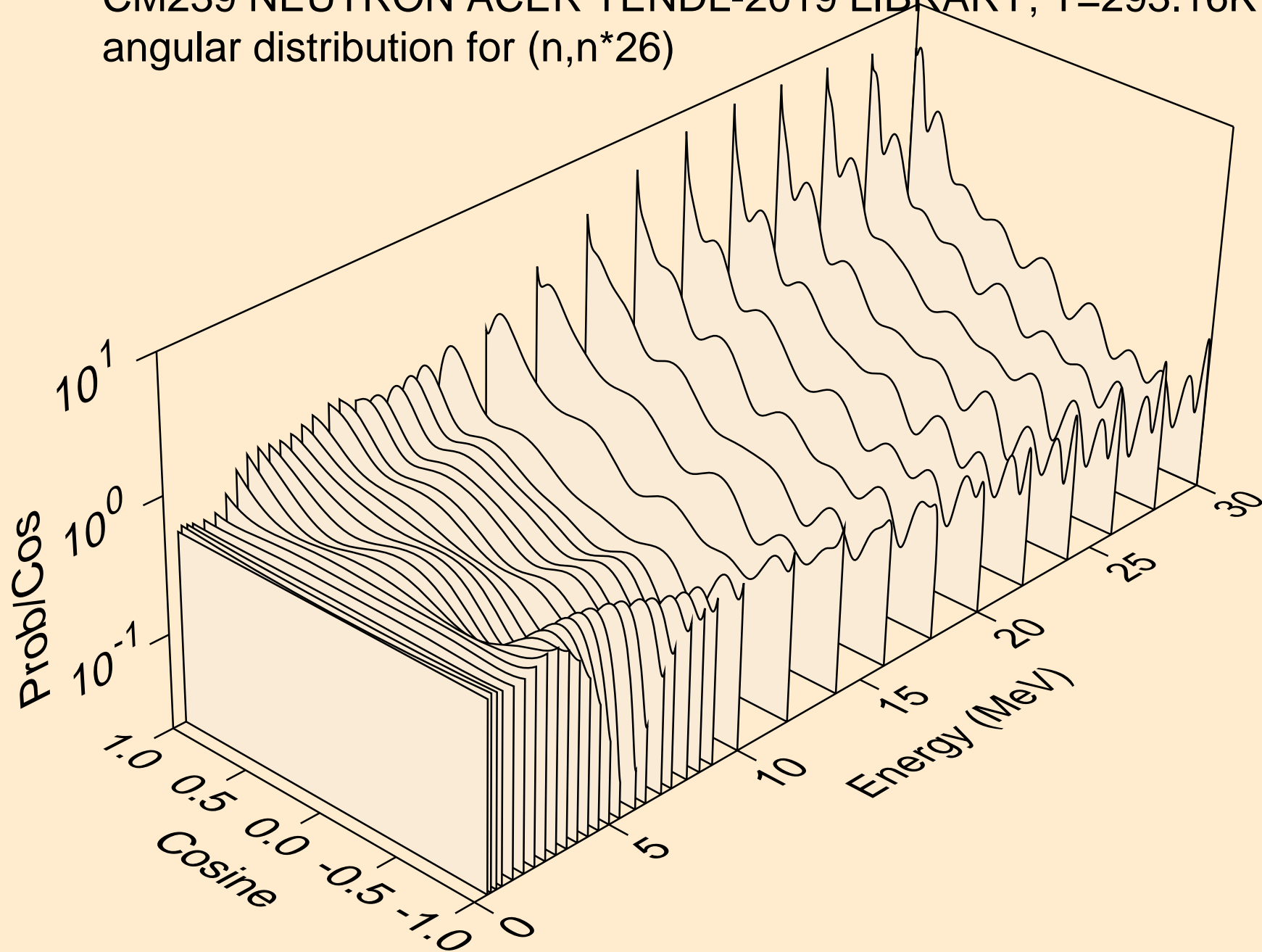
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*24)



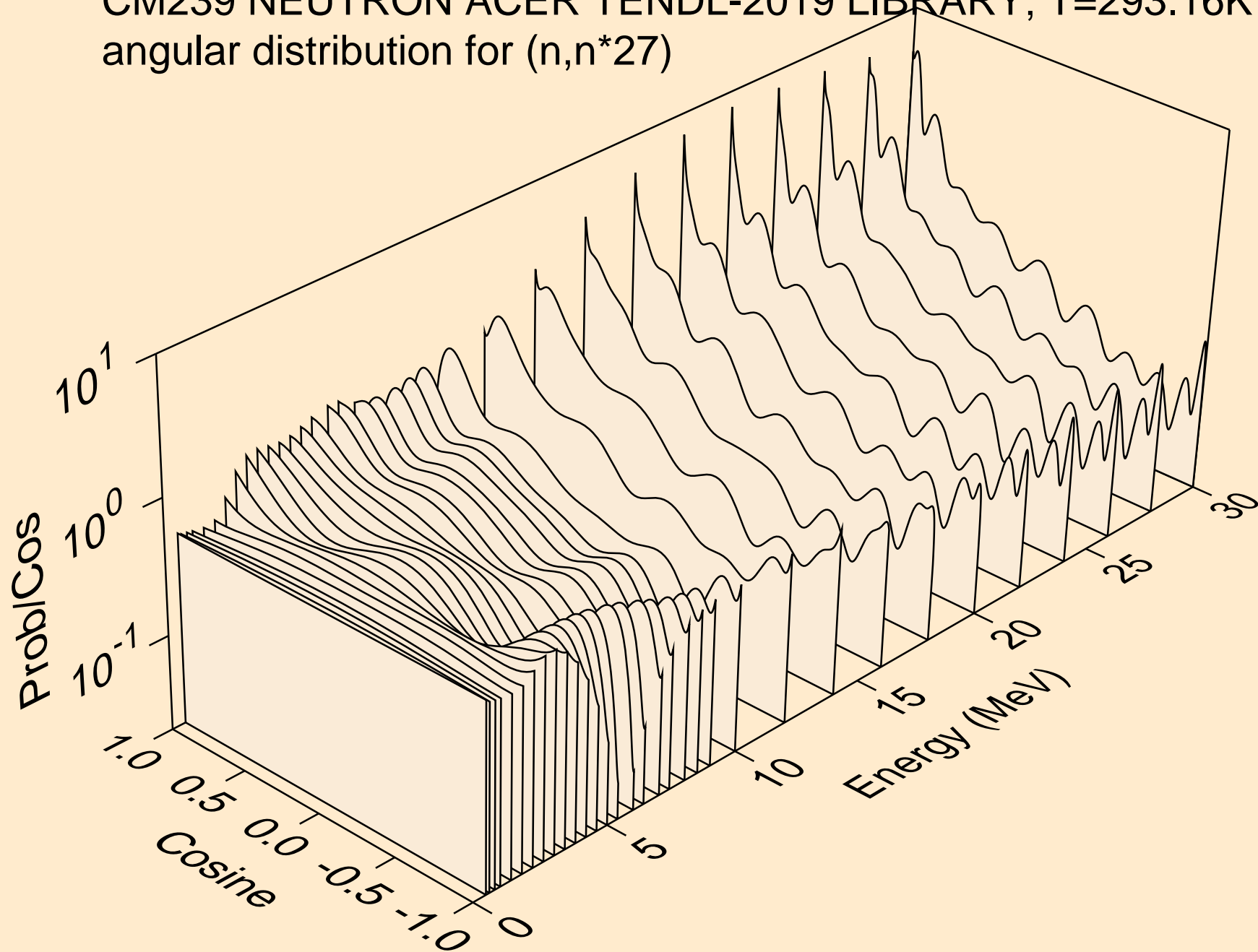
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*25)



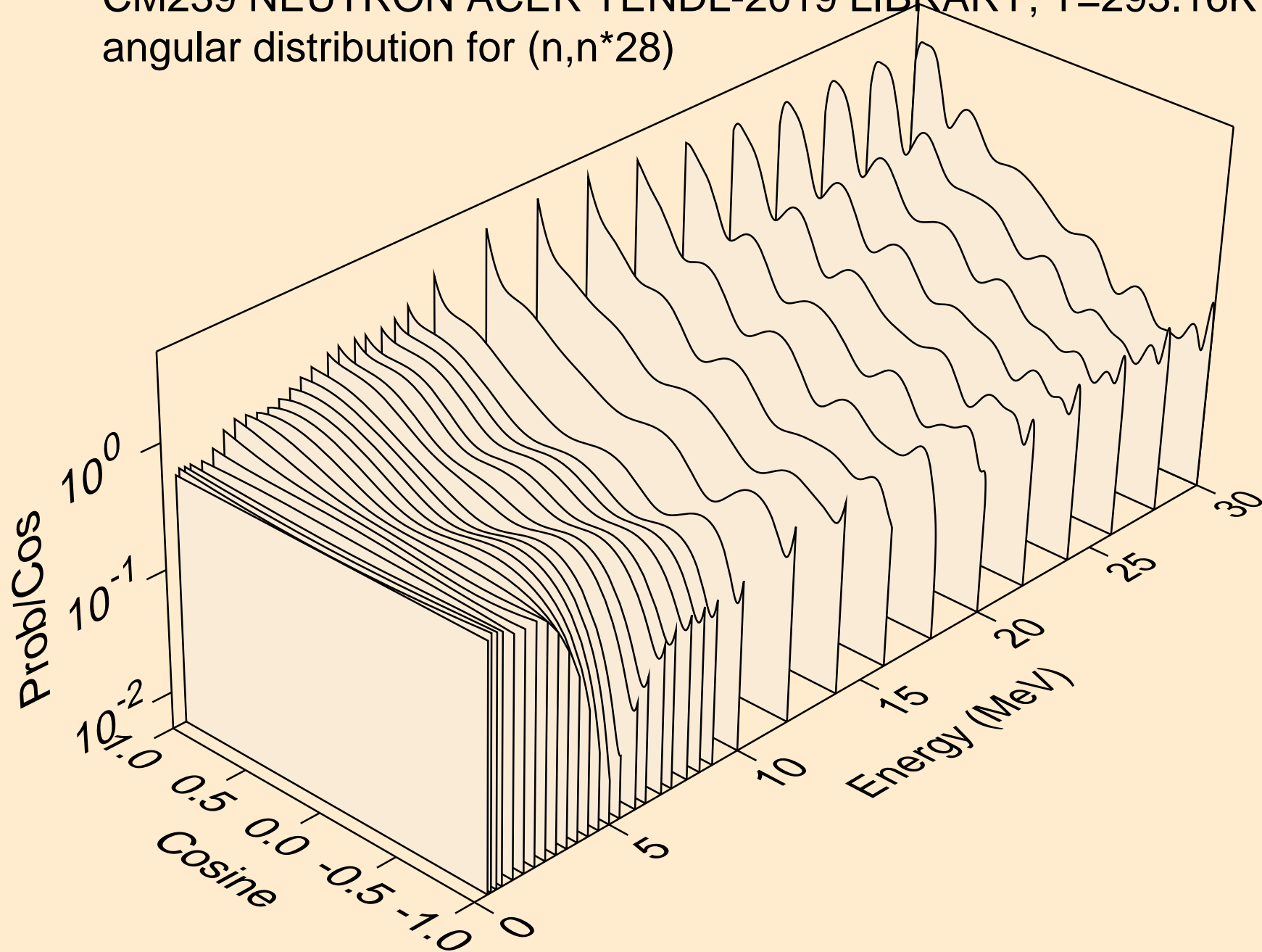
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*26)



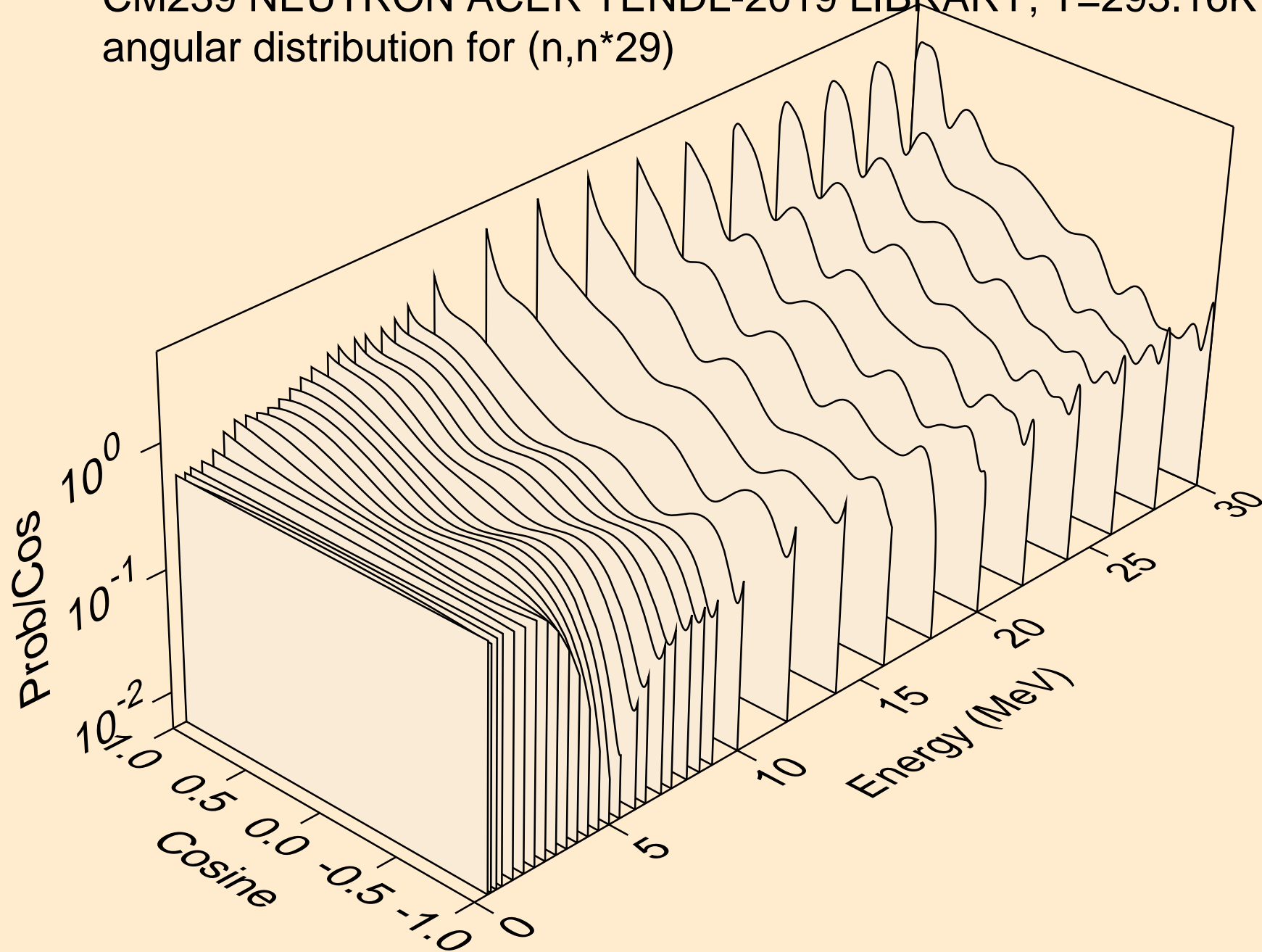
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*27)



CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*28)

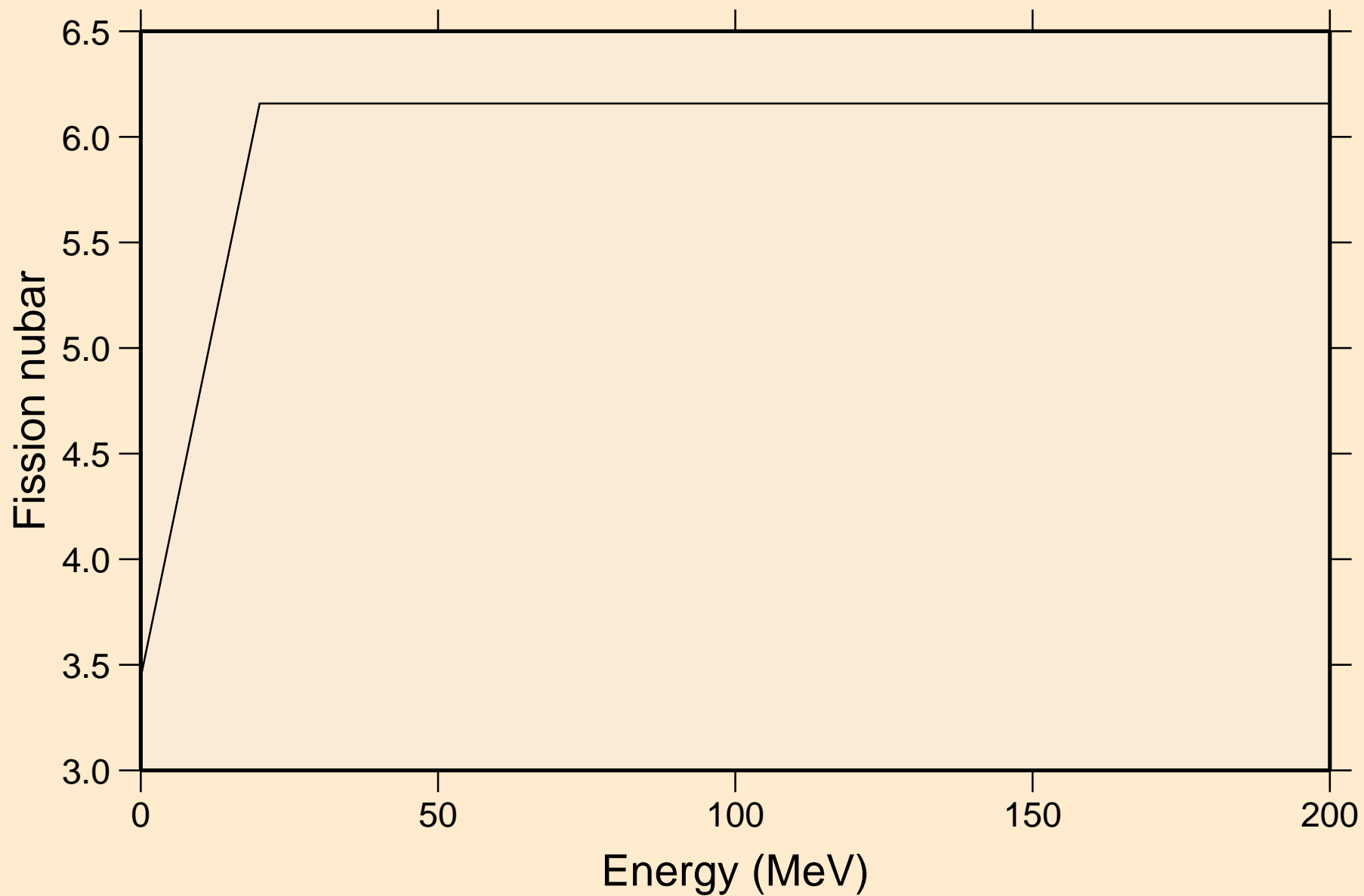


CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
angular distribution for (n,n\*29)

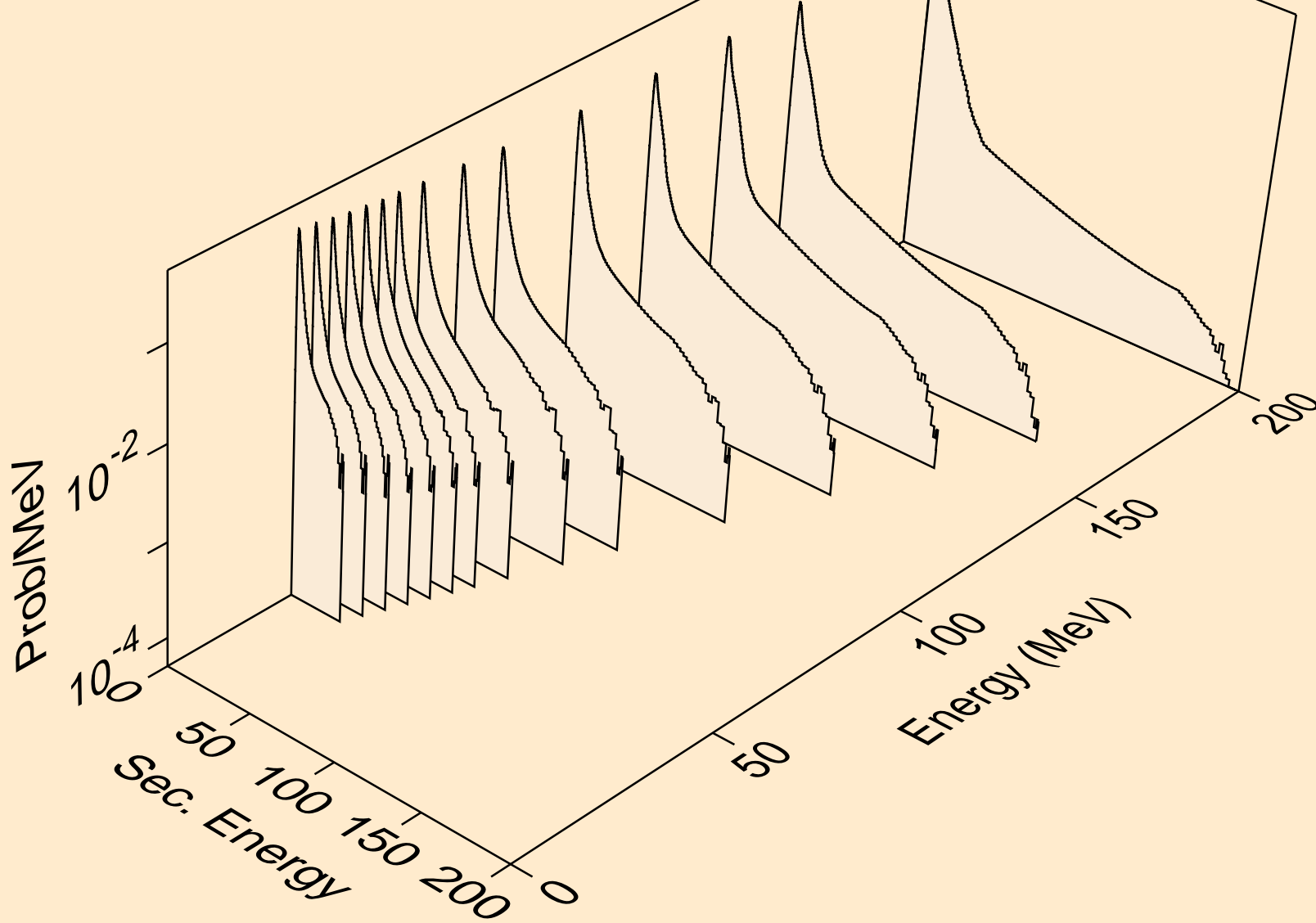




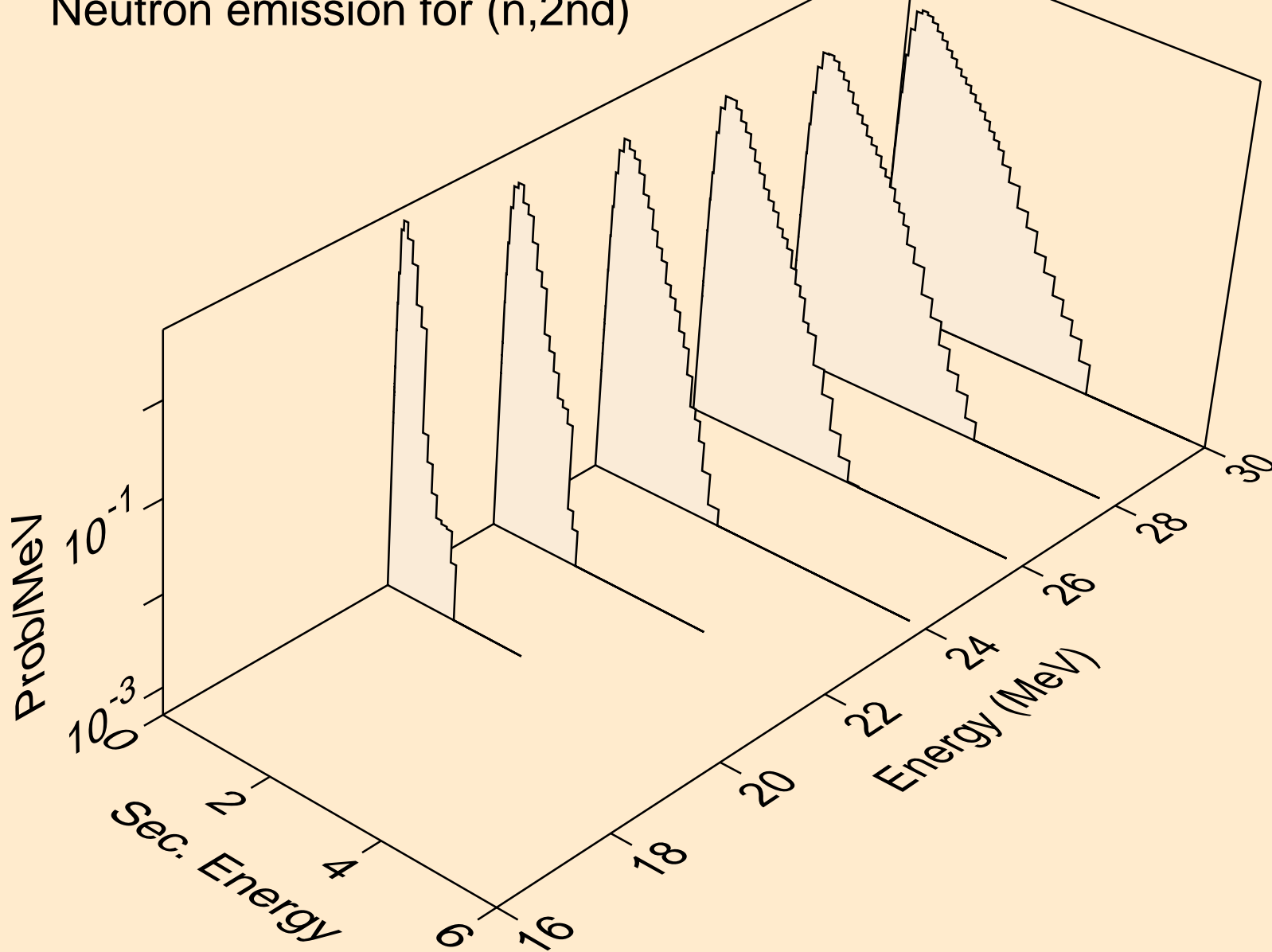
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Total fission nubar



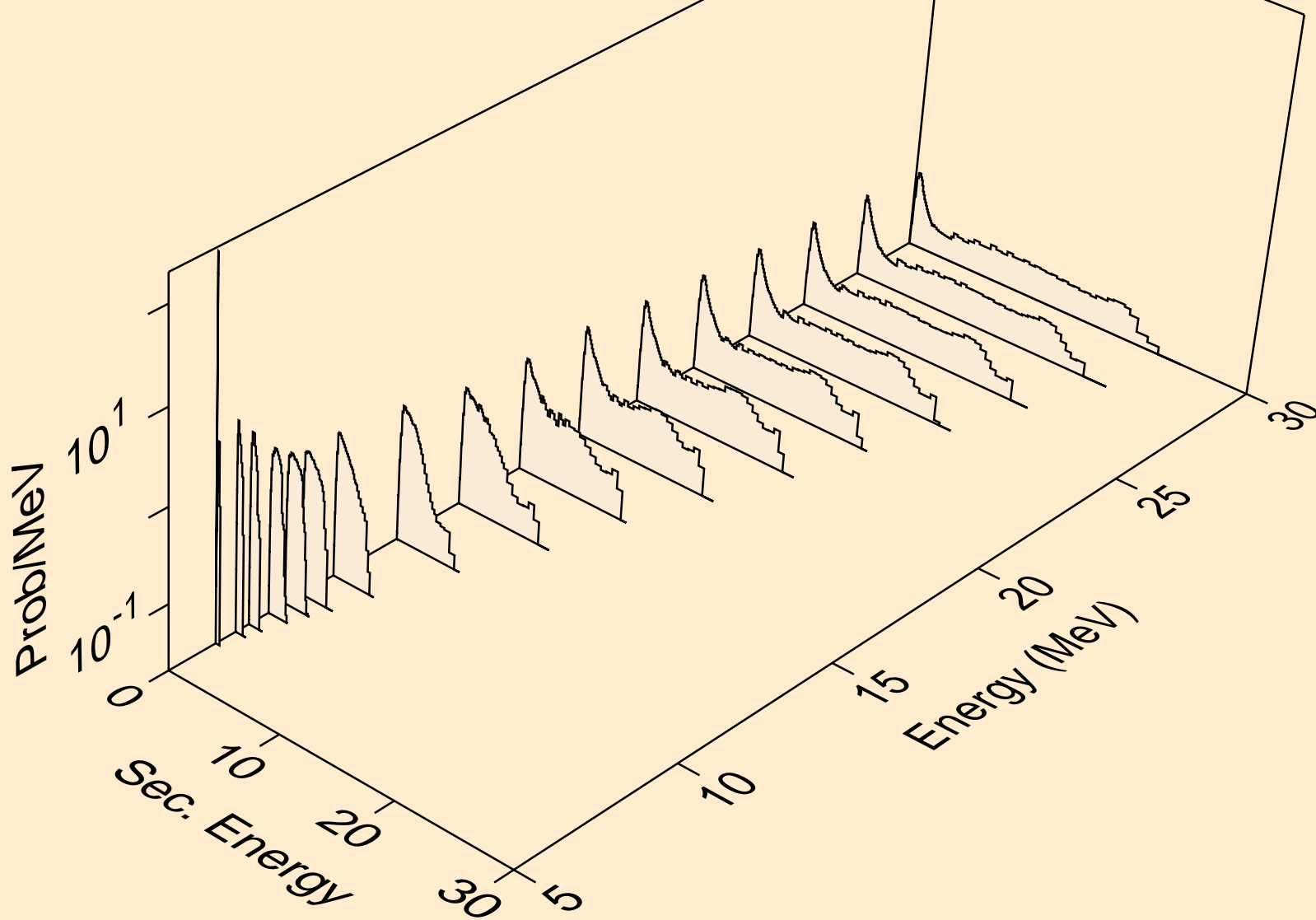
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,x)



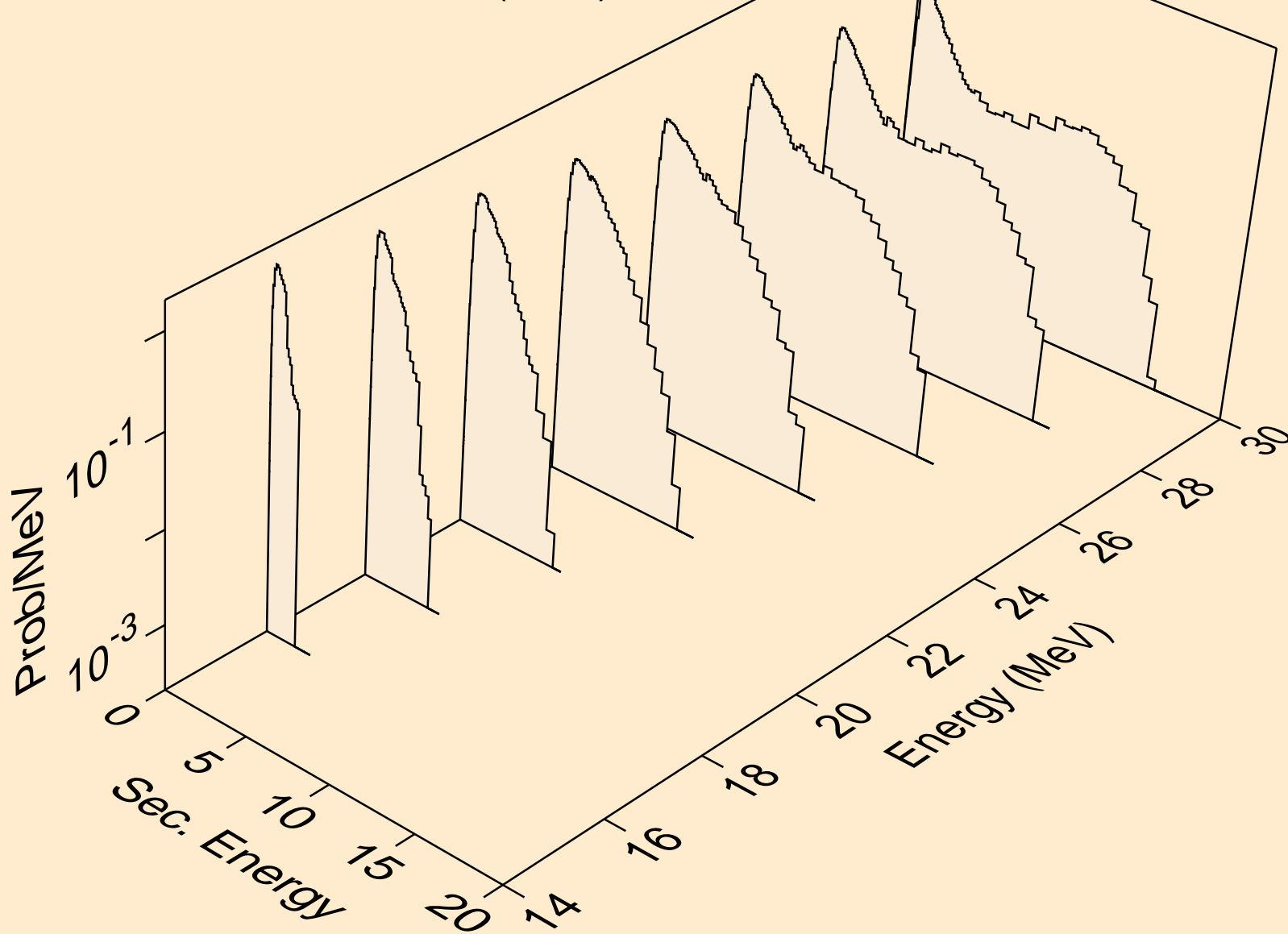
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2nd)



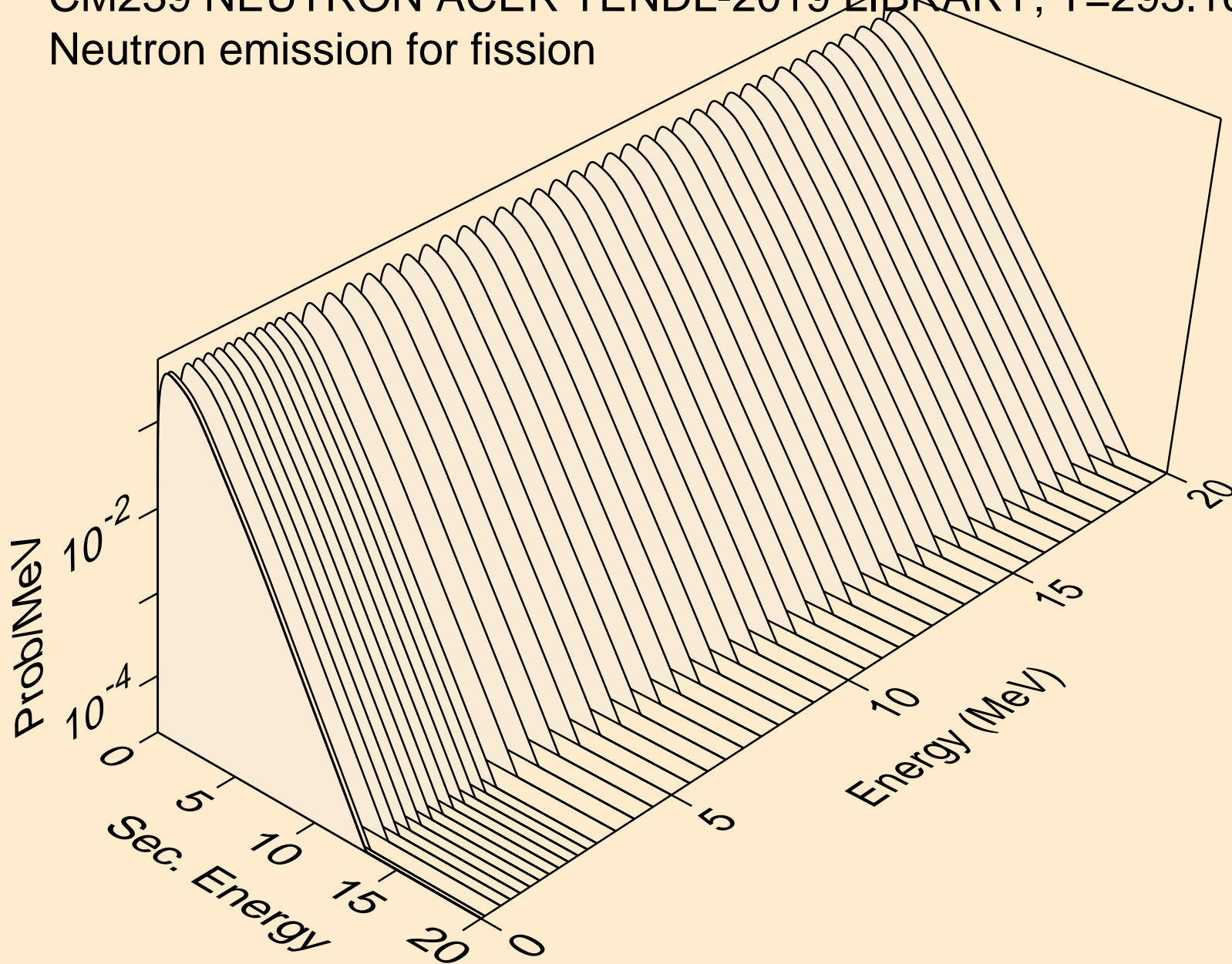
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)



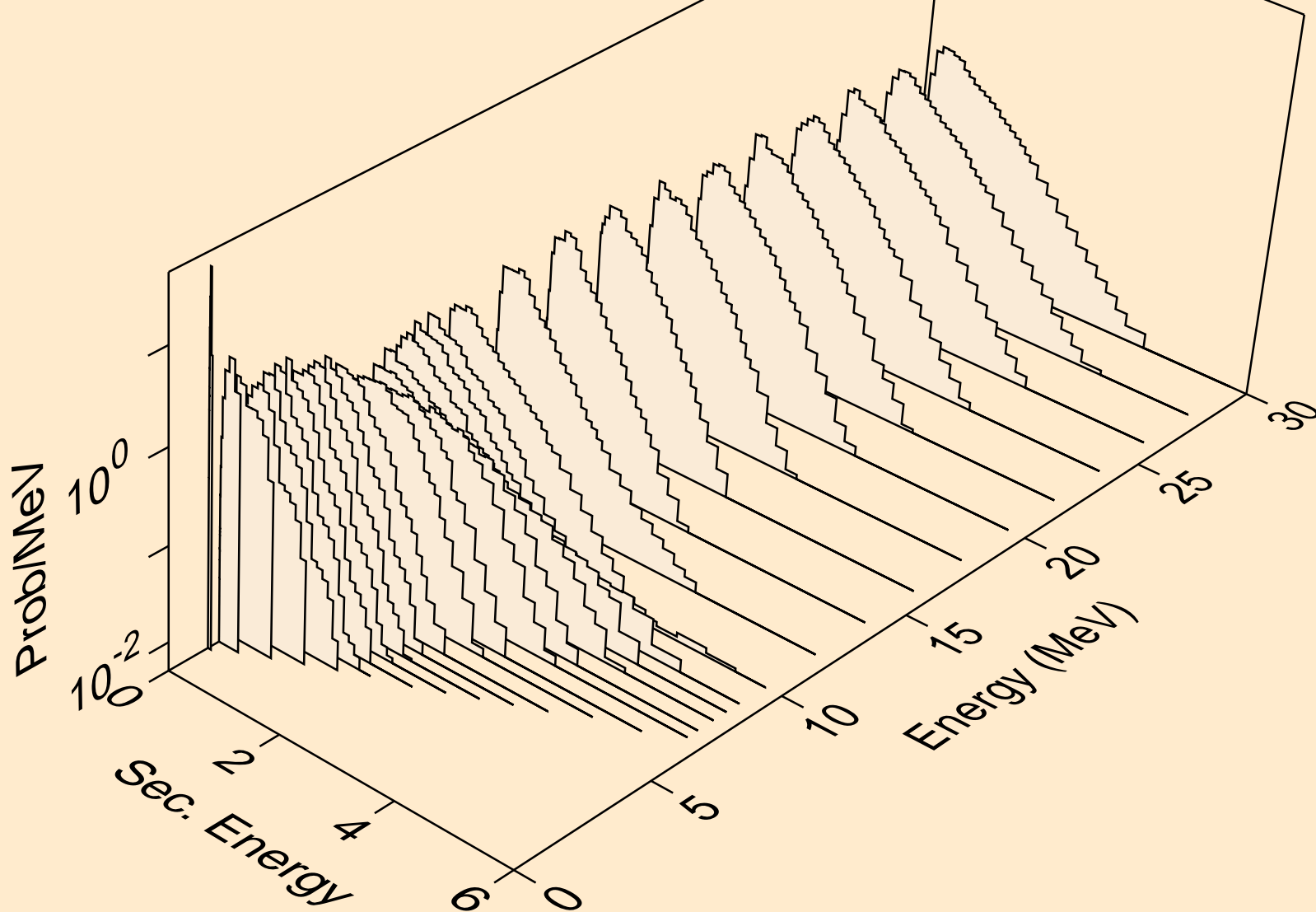
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)



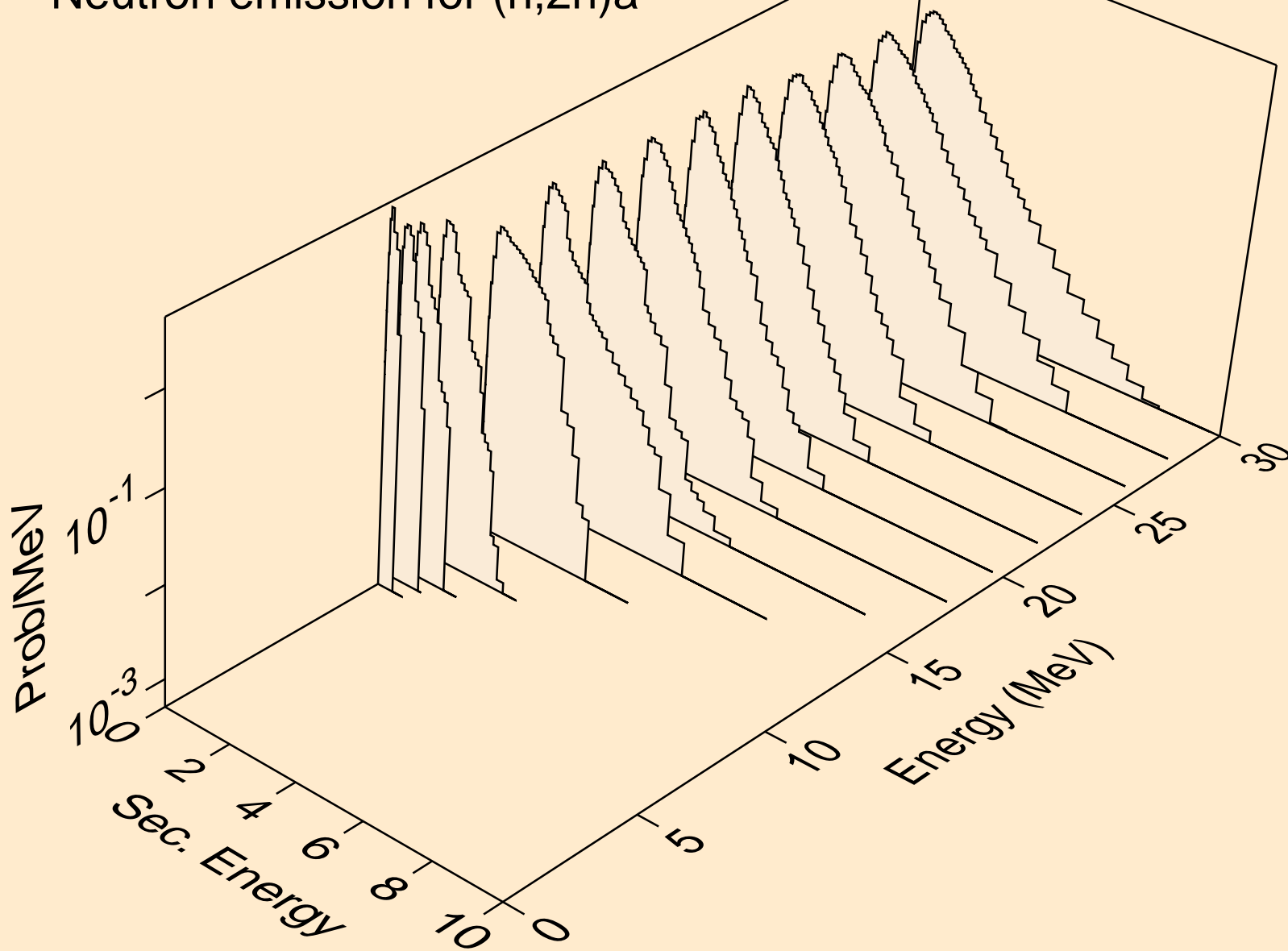
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for fission



CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)a

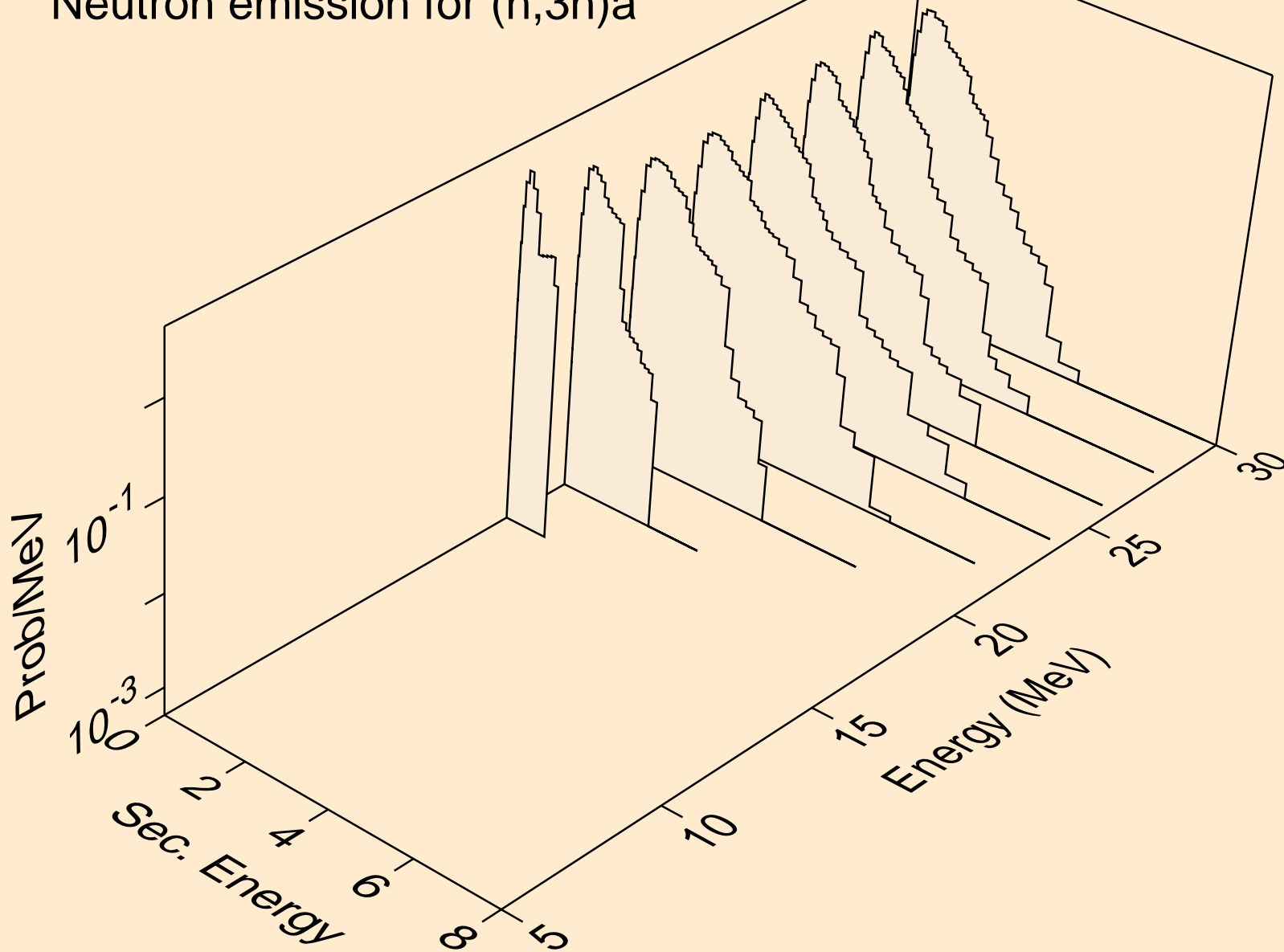


CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2n)a

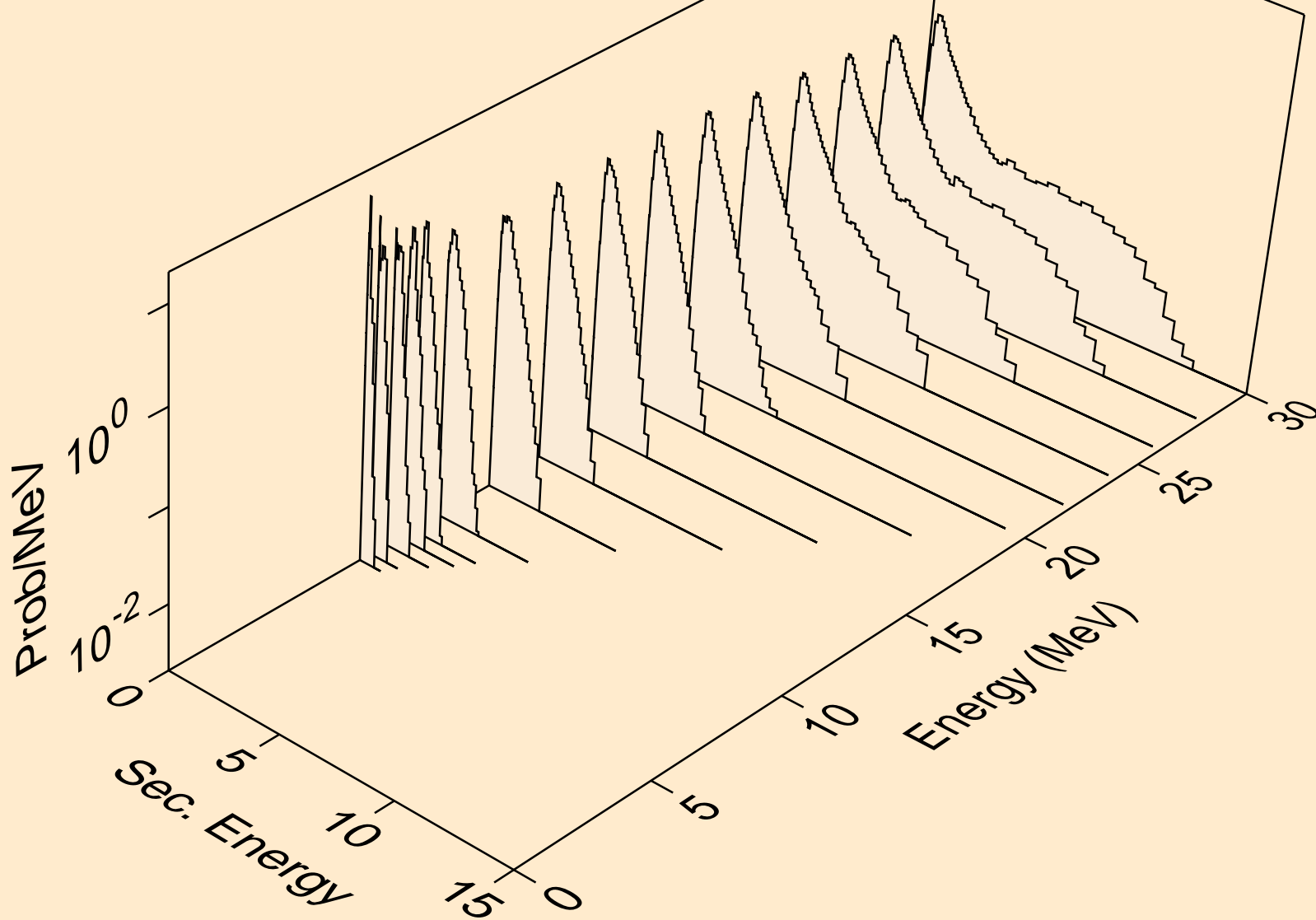




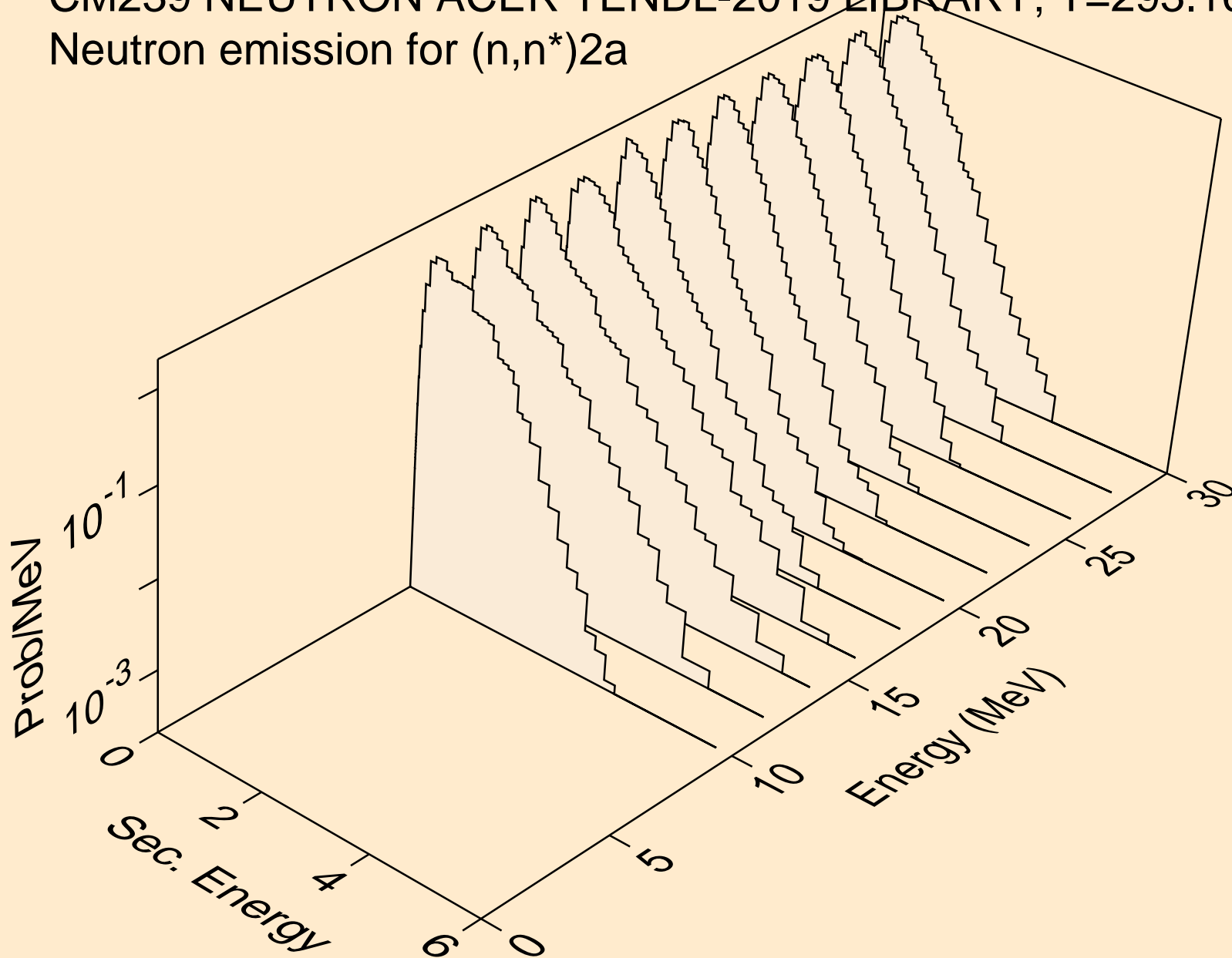
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3n)a



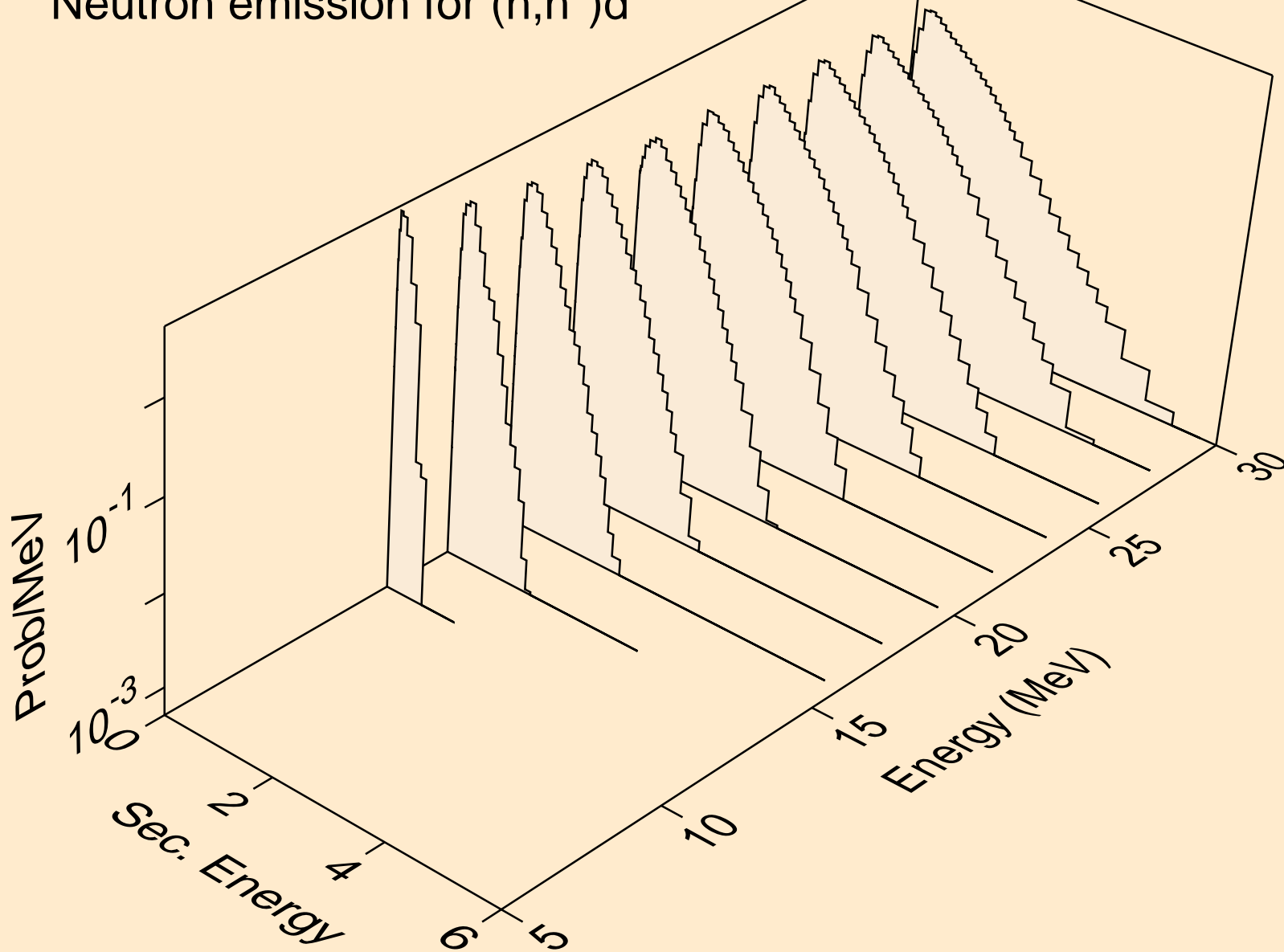
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)p



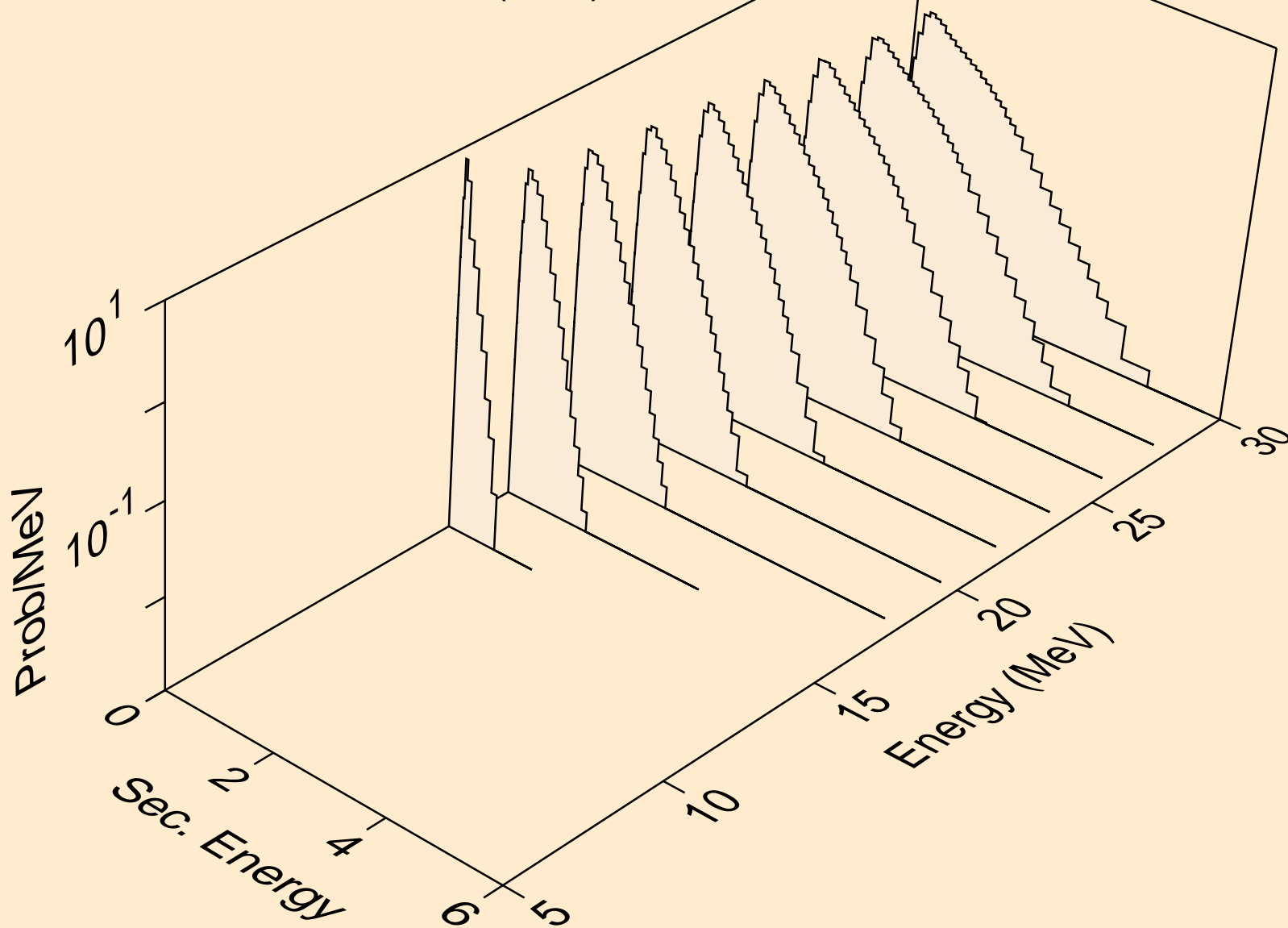
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)2a



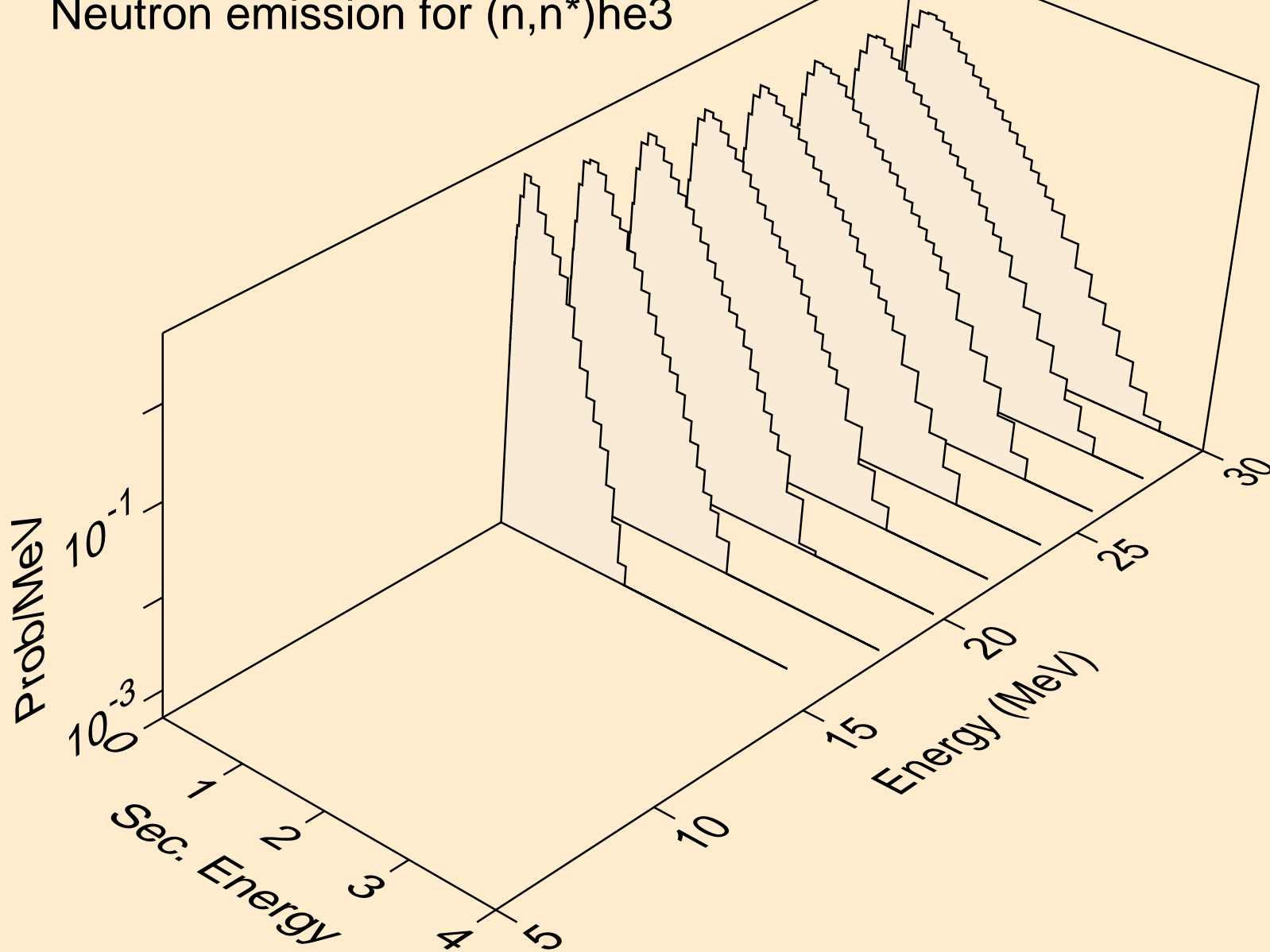
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)d



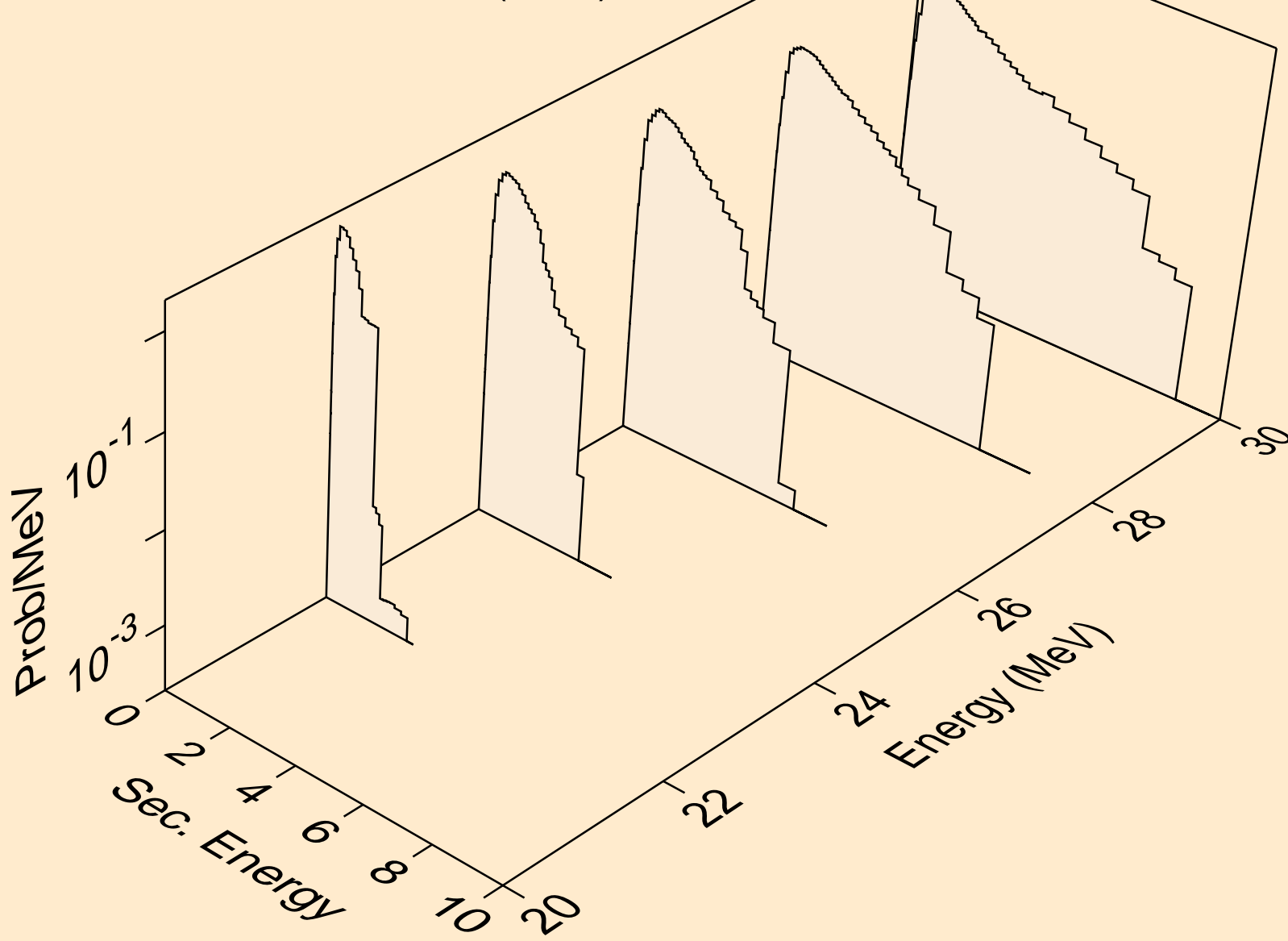
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)t



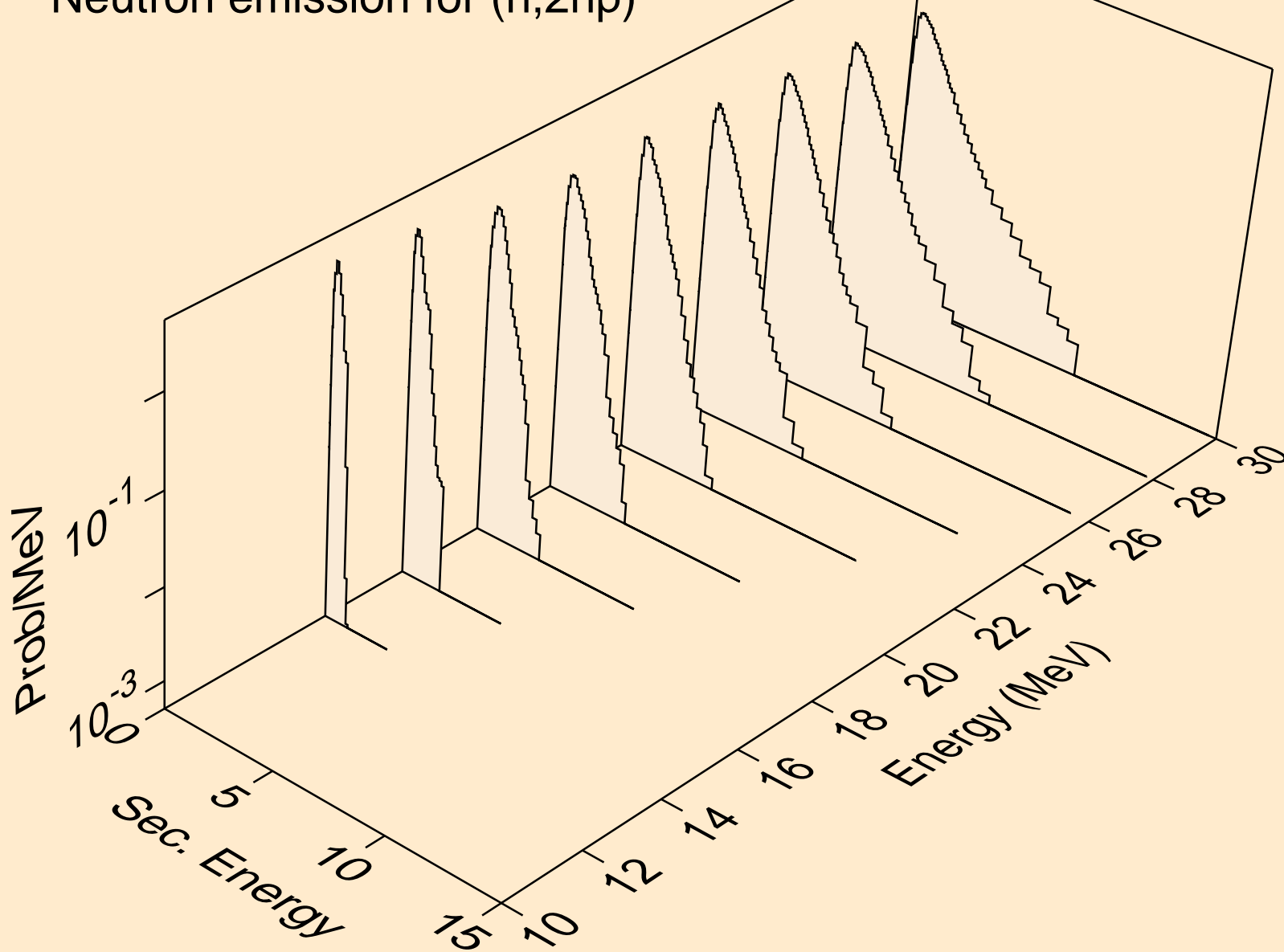
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*)he3



CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,4n)

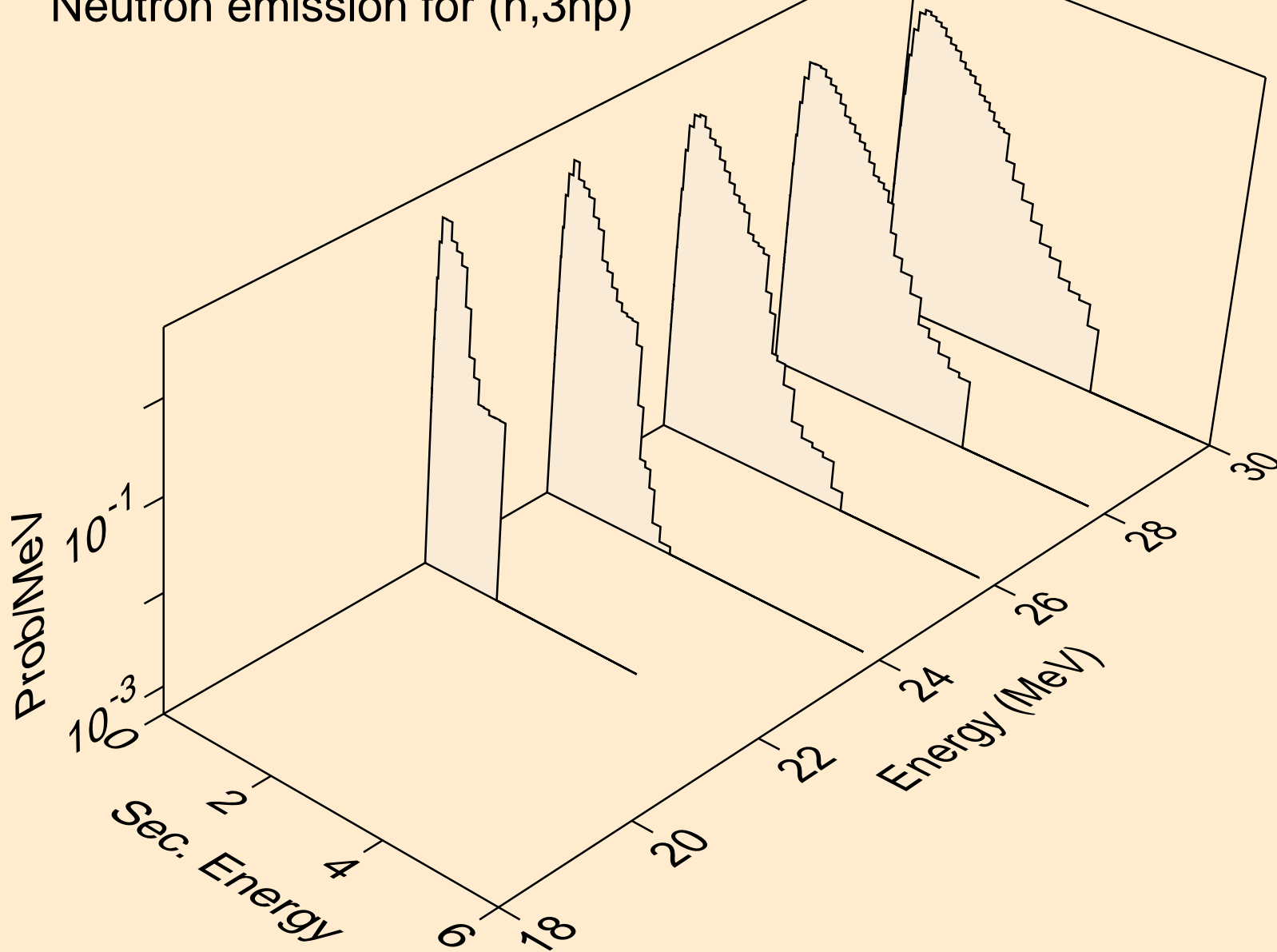


CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)

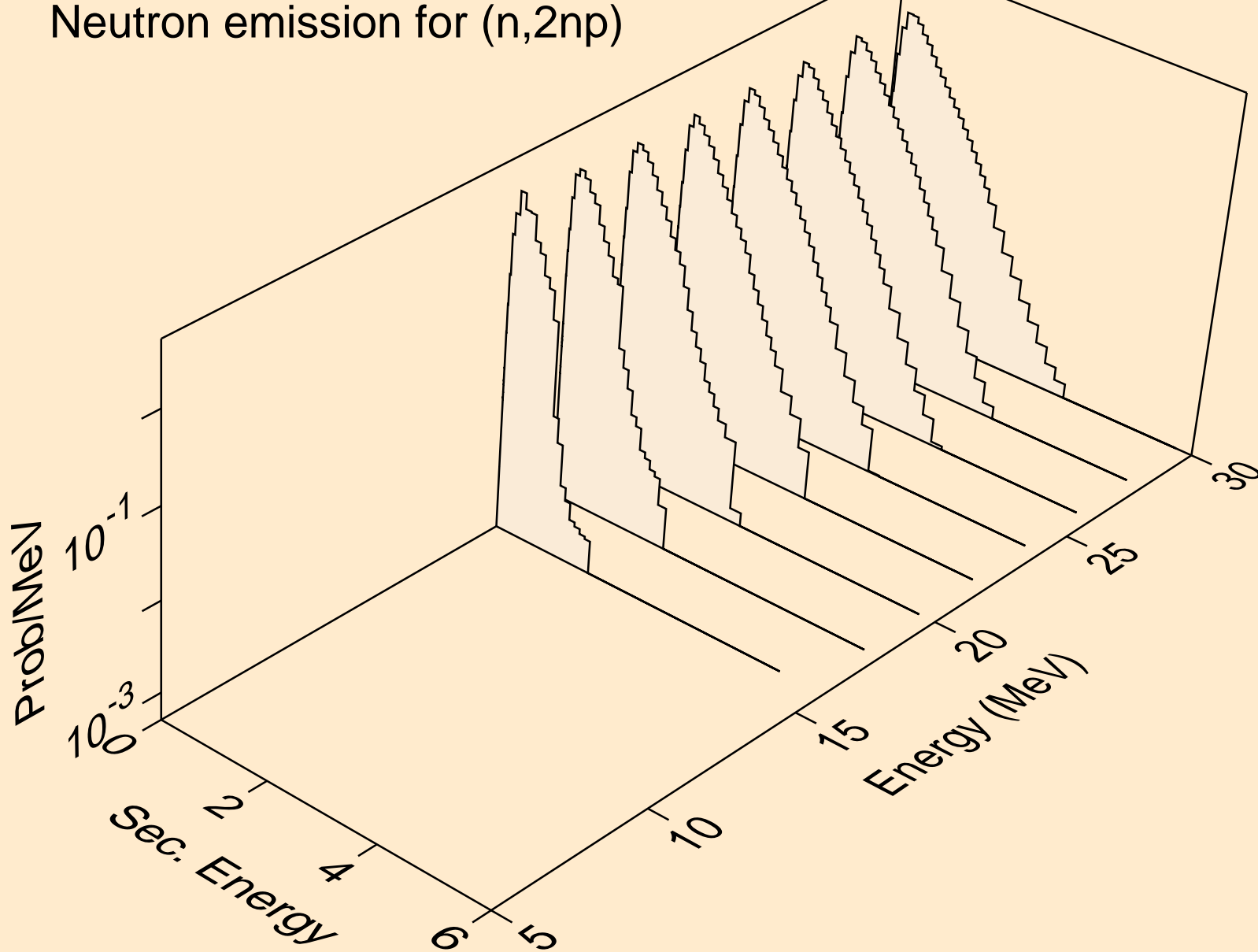




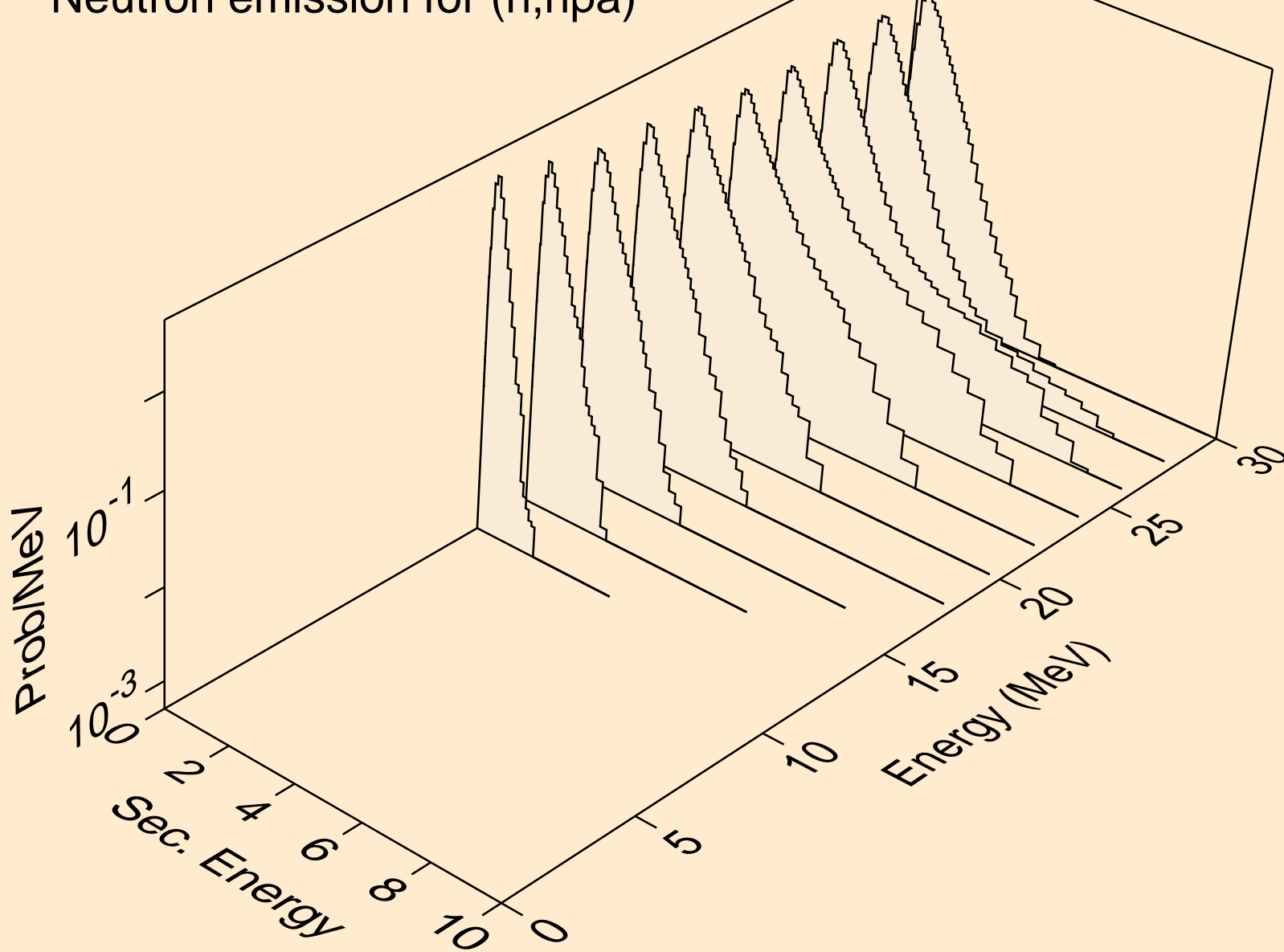
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,3np)



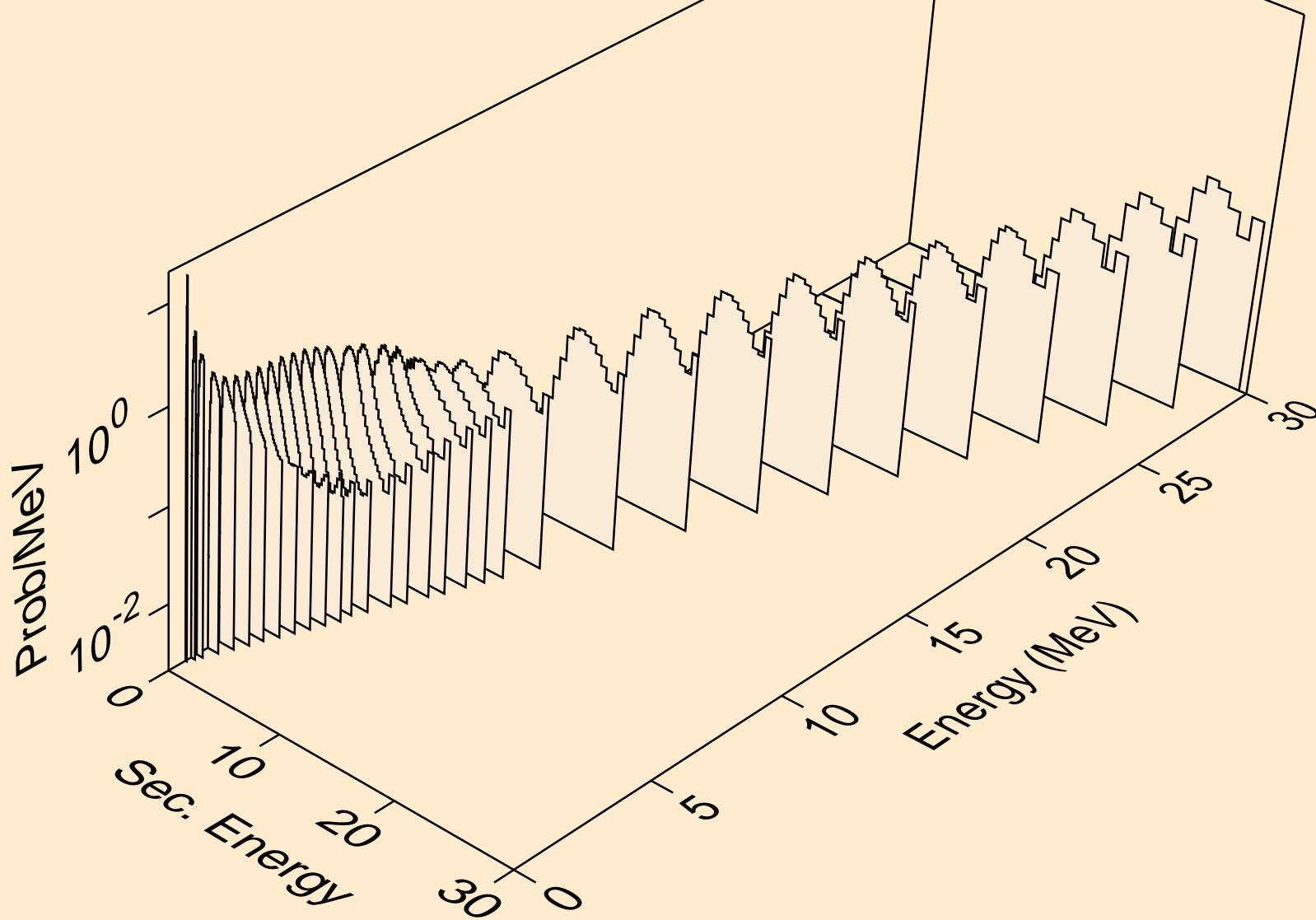
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,2np)



CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,npa)

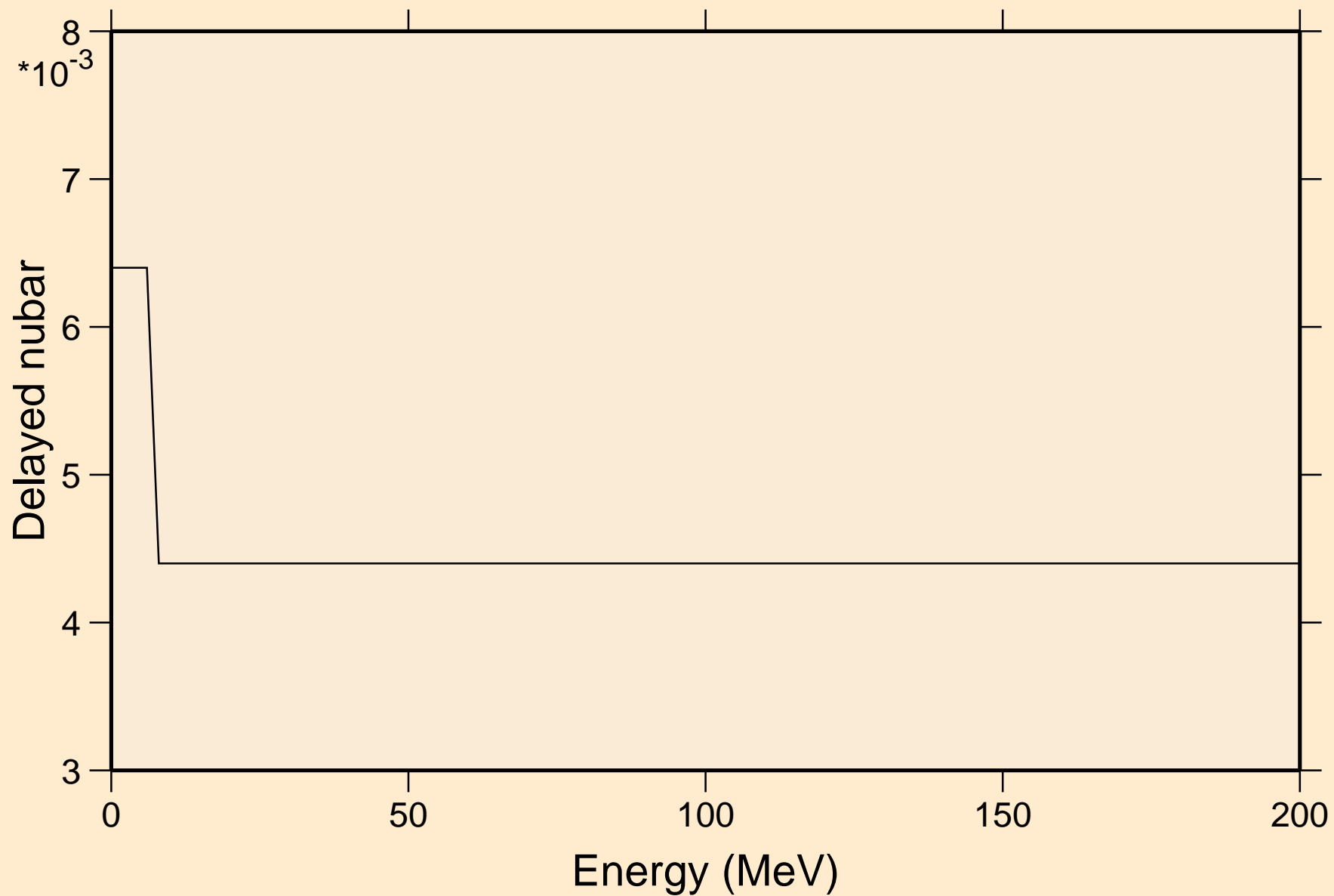


CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Neutron emission for (n,n\*c)



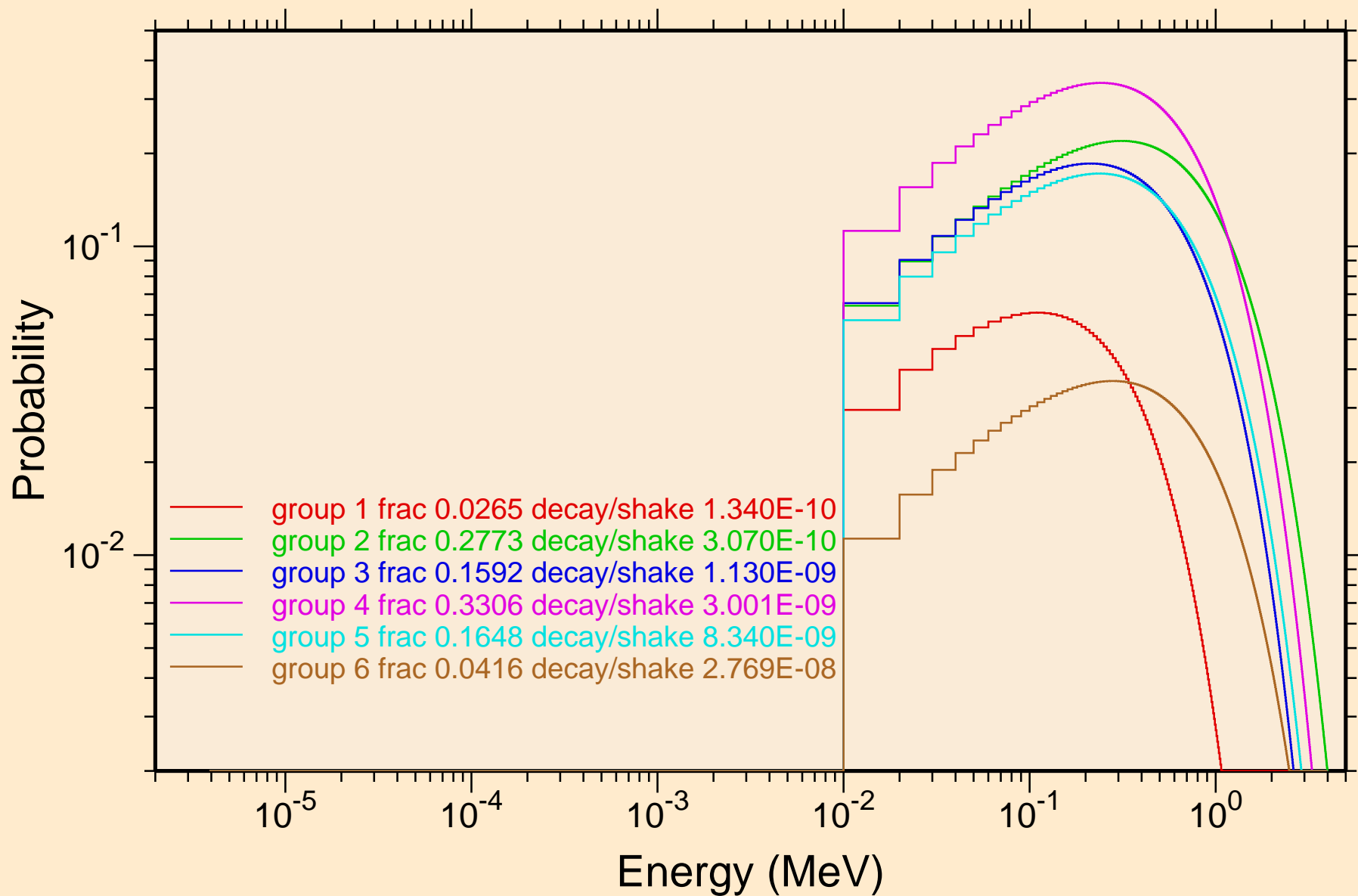
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

Delayed nubar

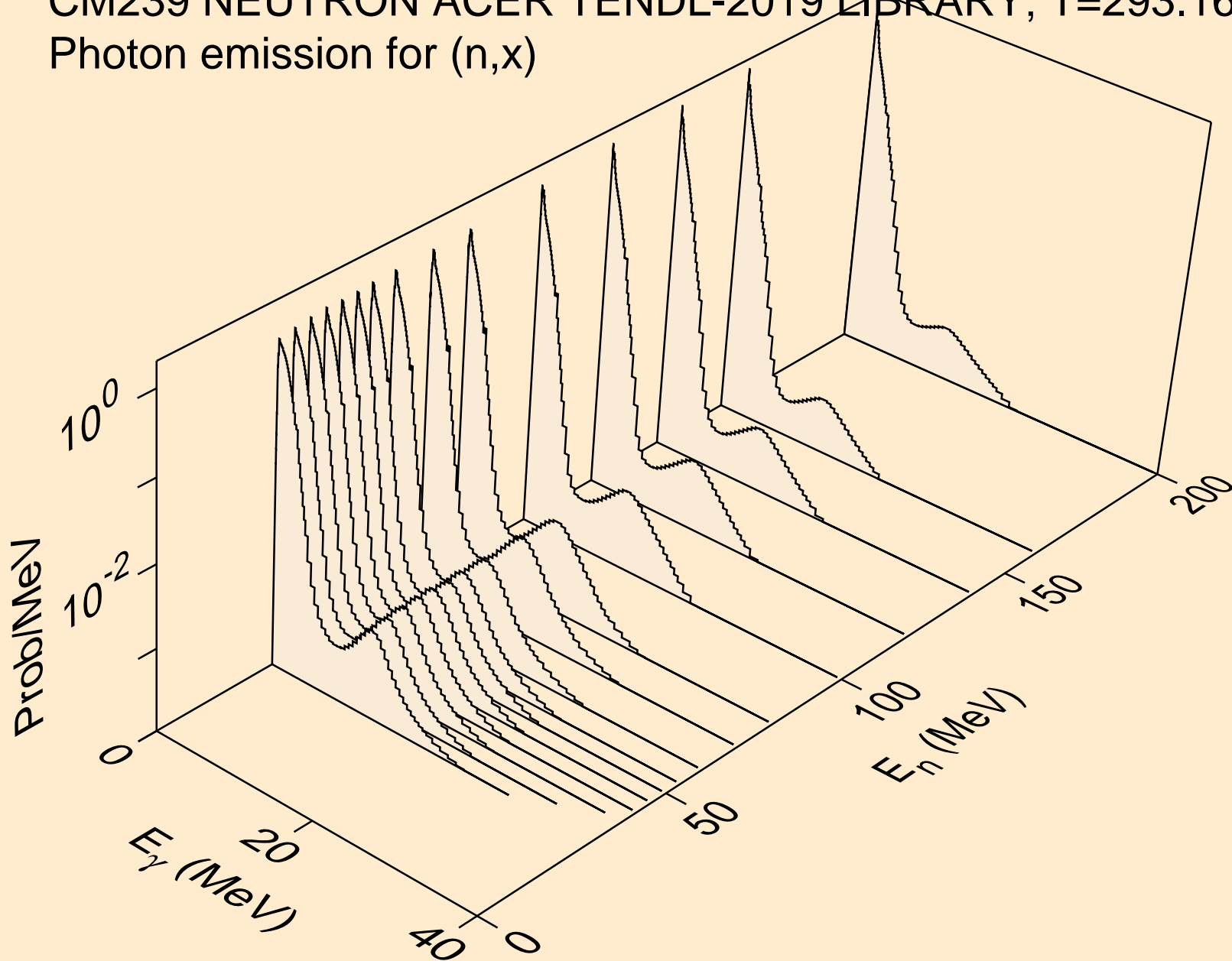


# CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

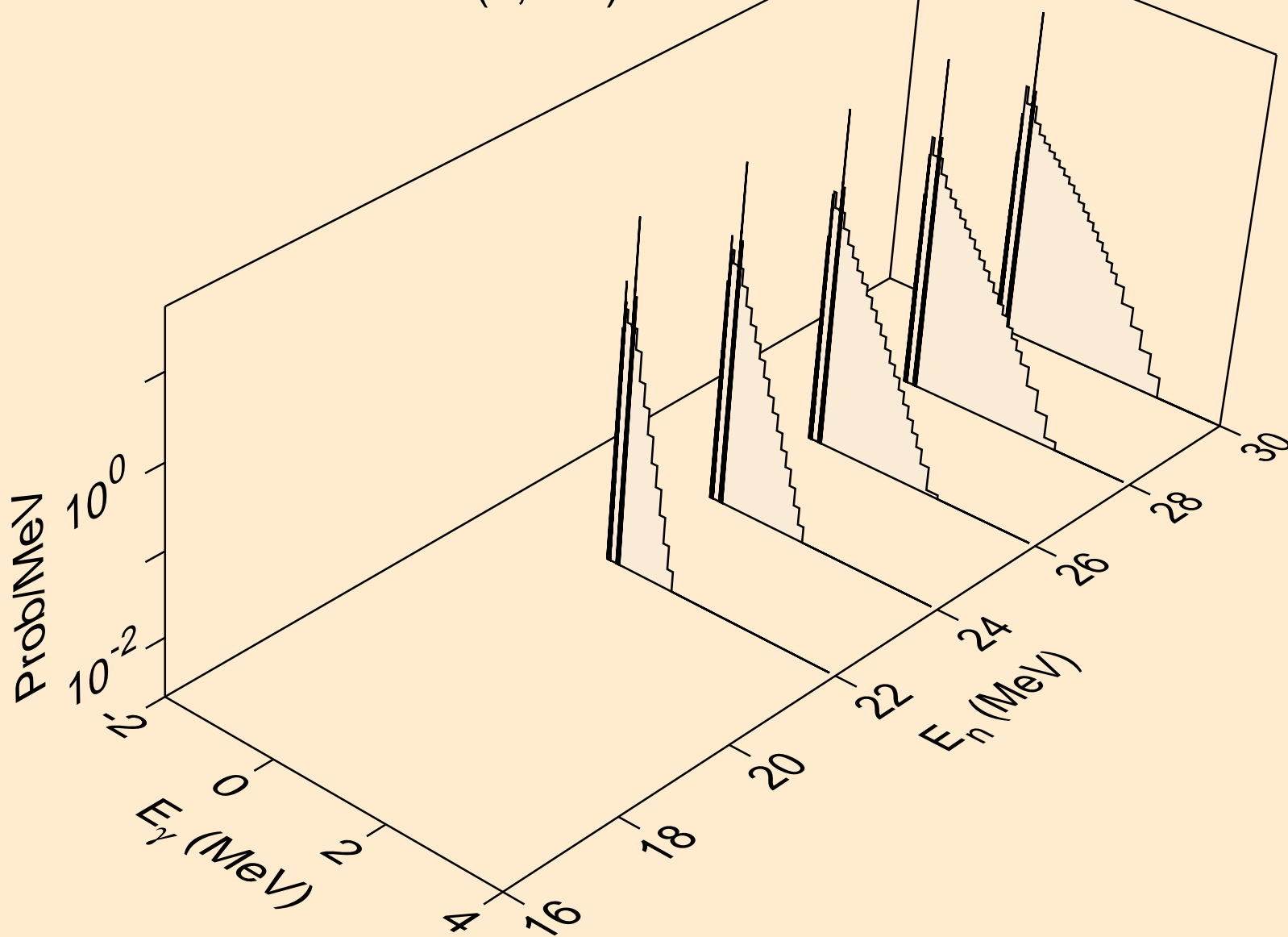
## Delayed neutron spectra



CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,x)

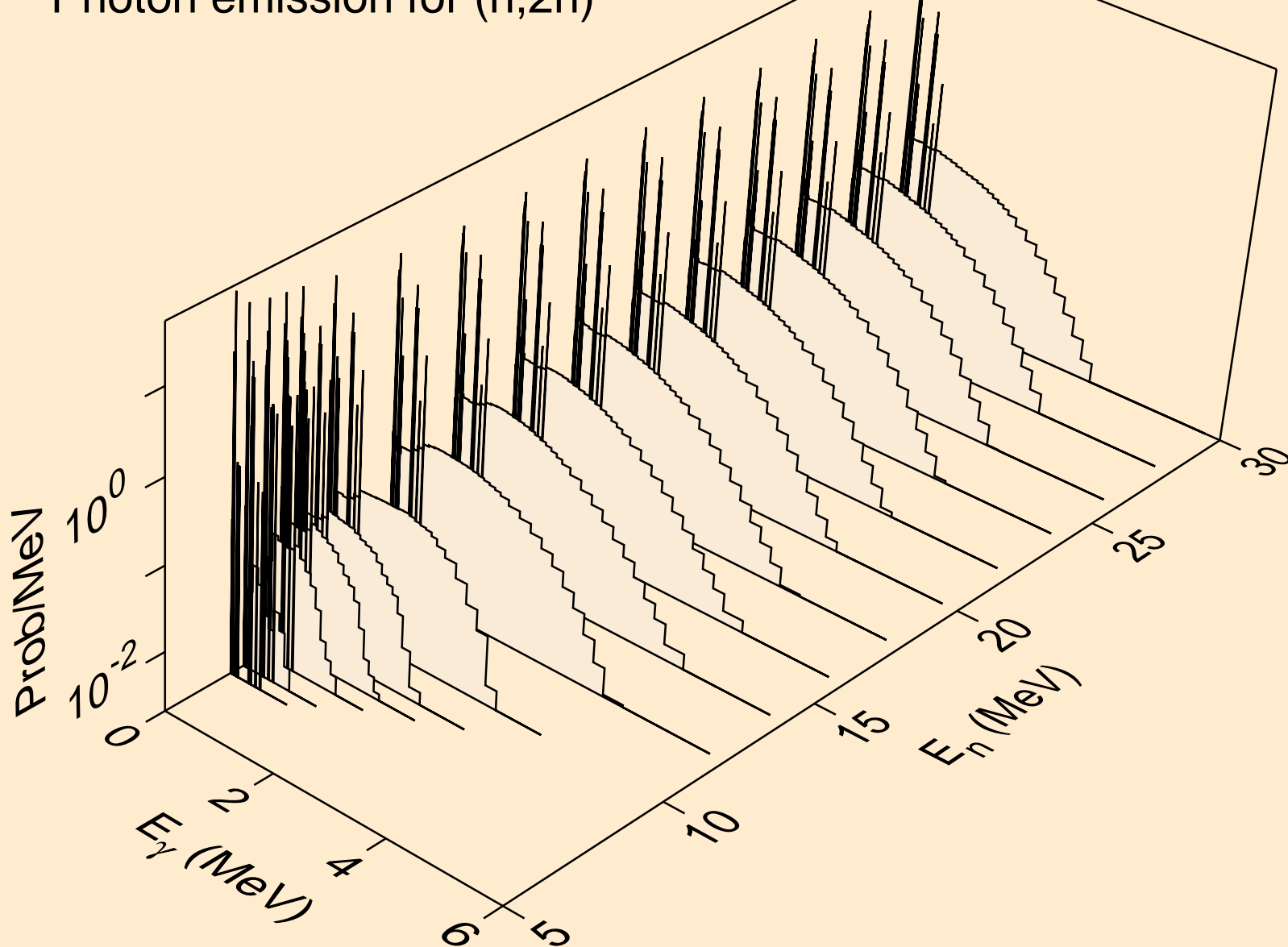


CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2nd)

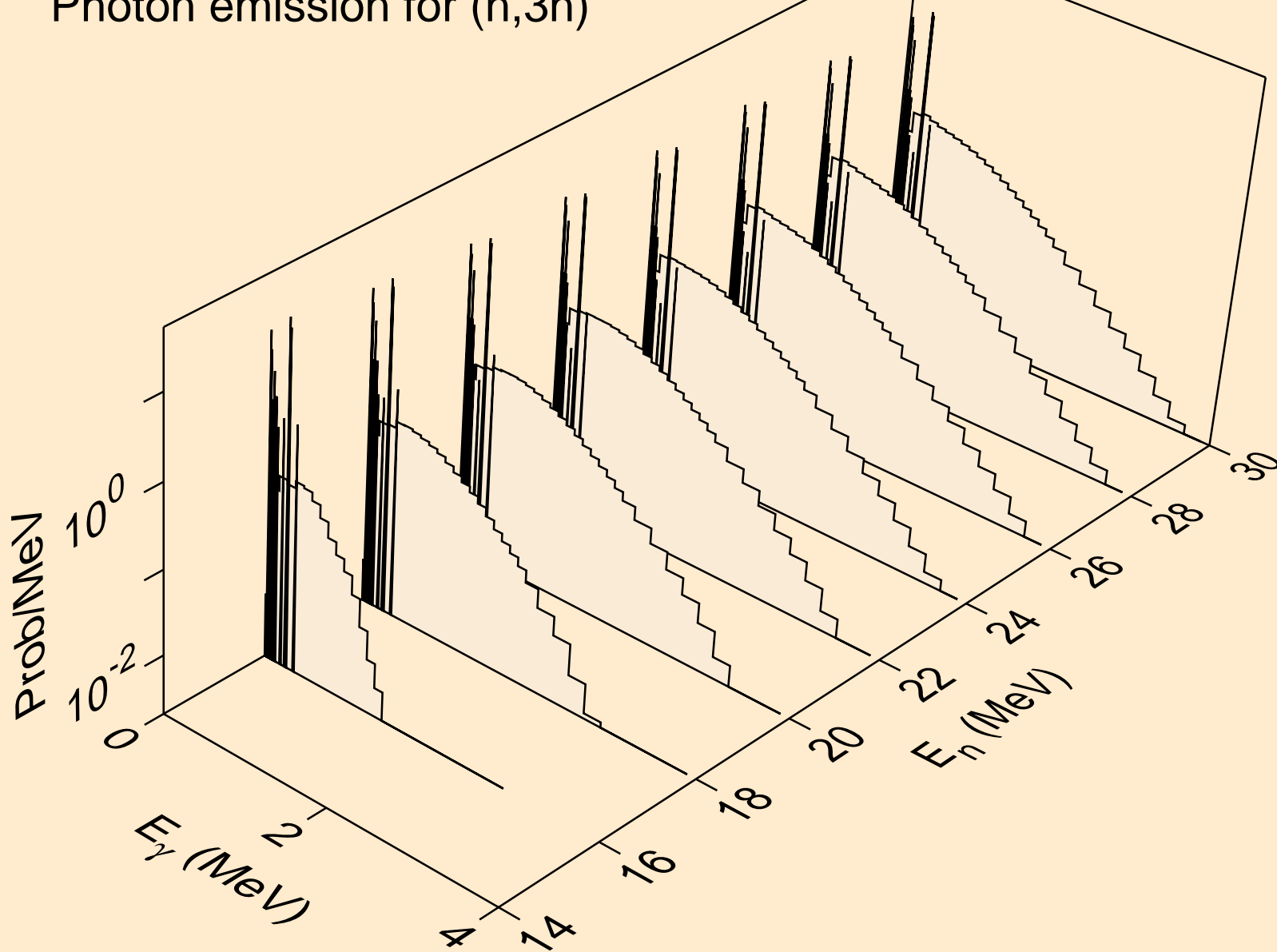




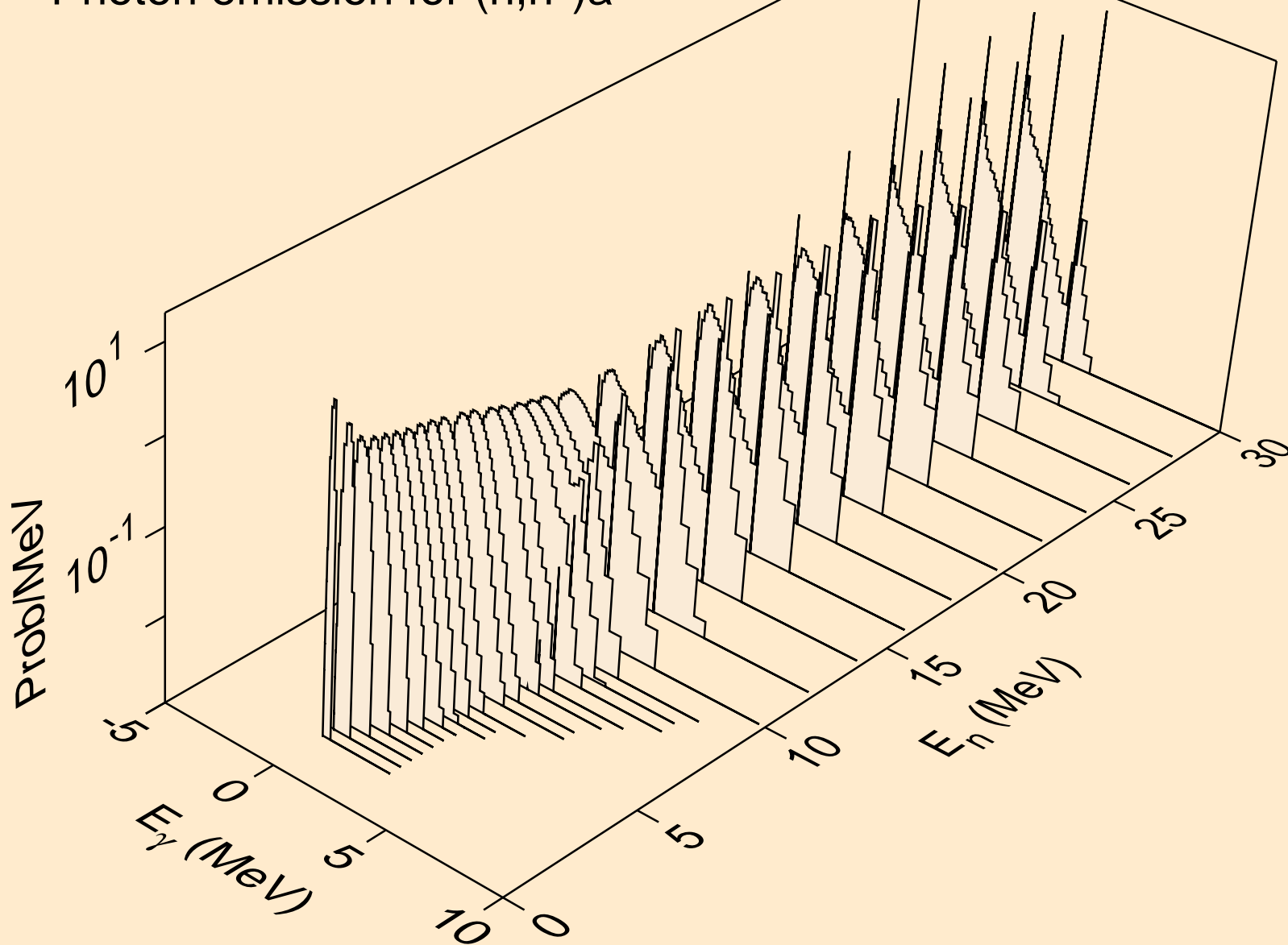
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)



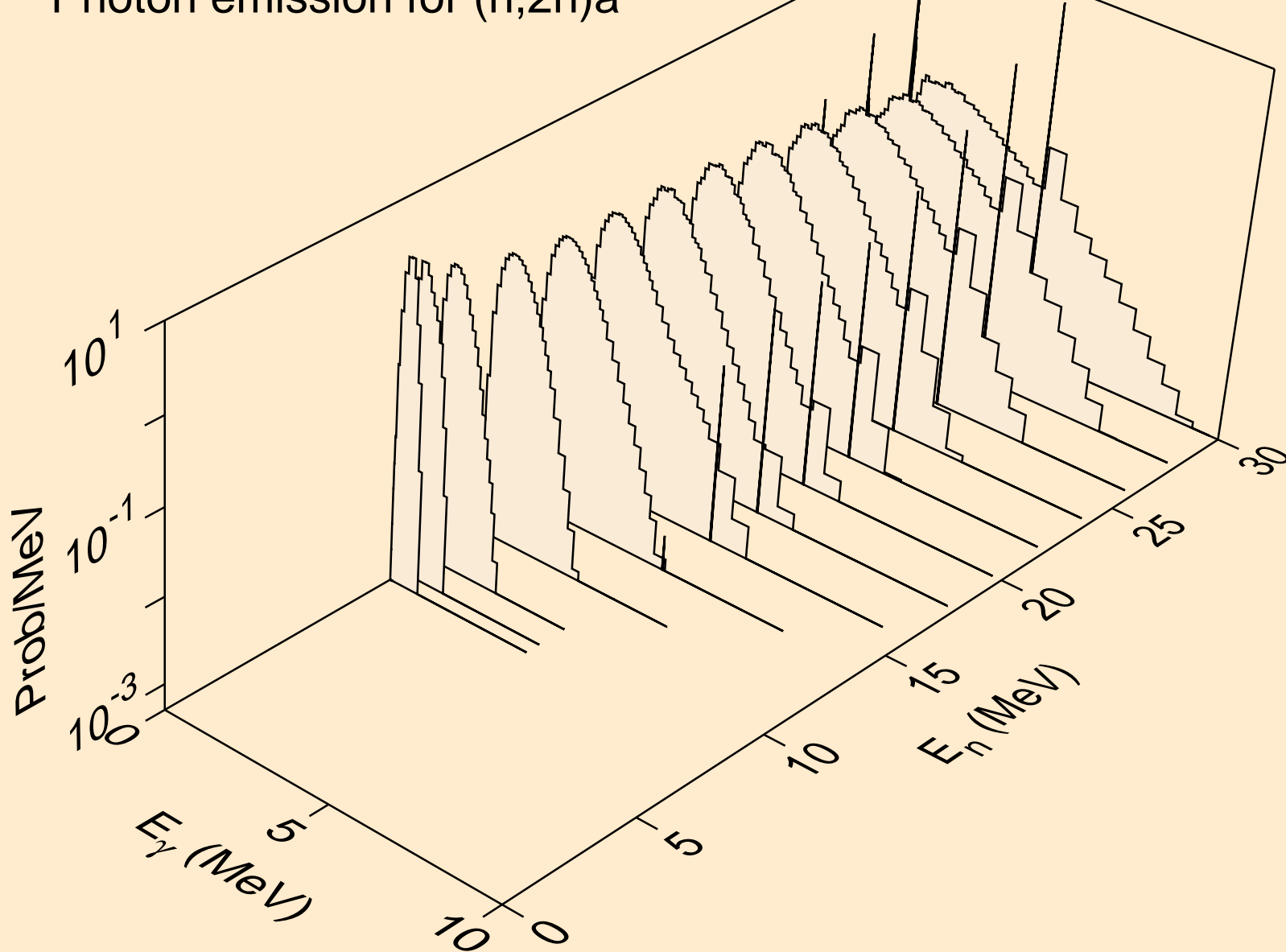
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)



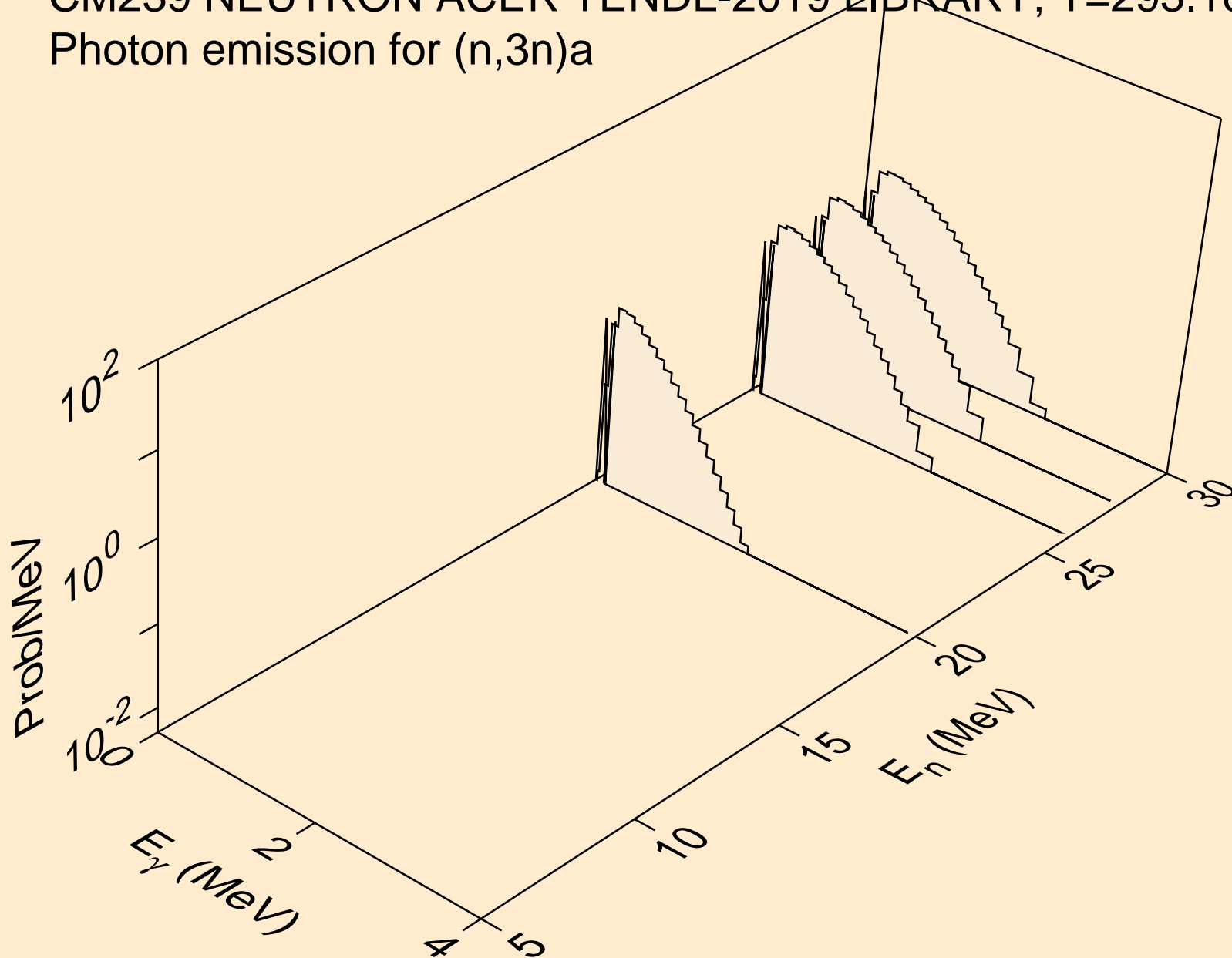
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)a



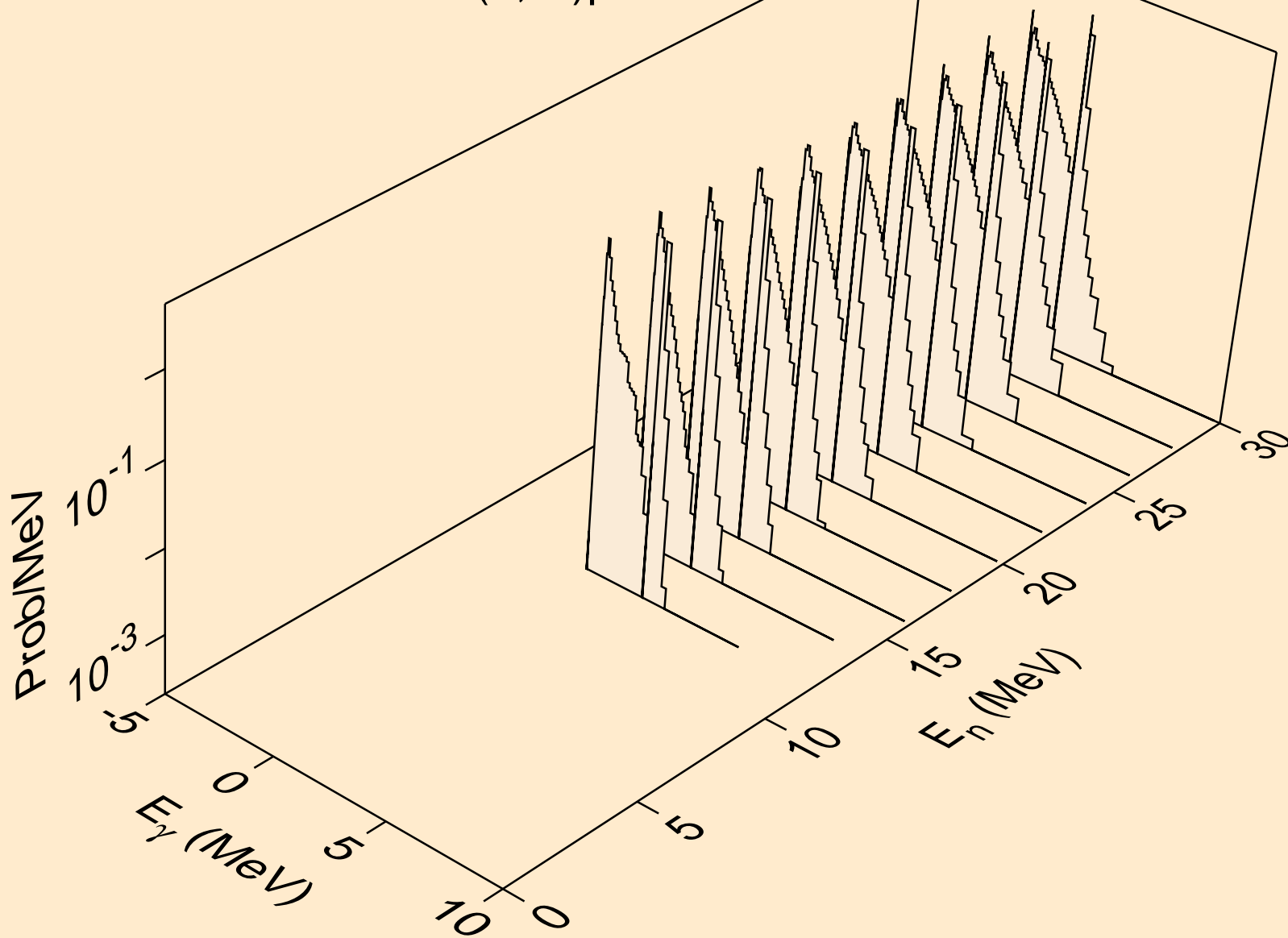
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2n)a



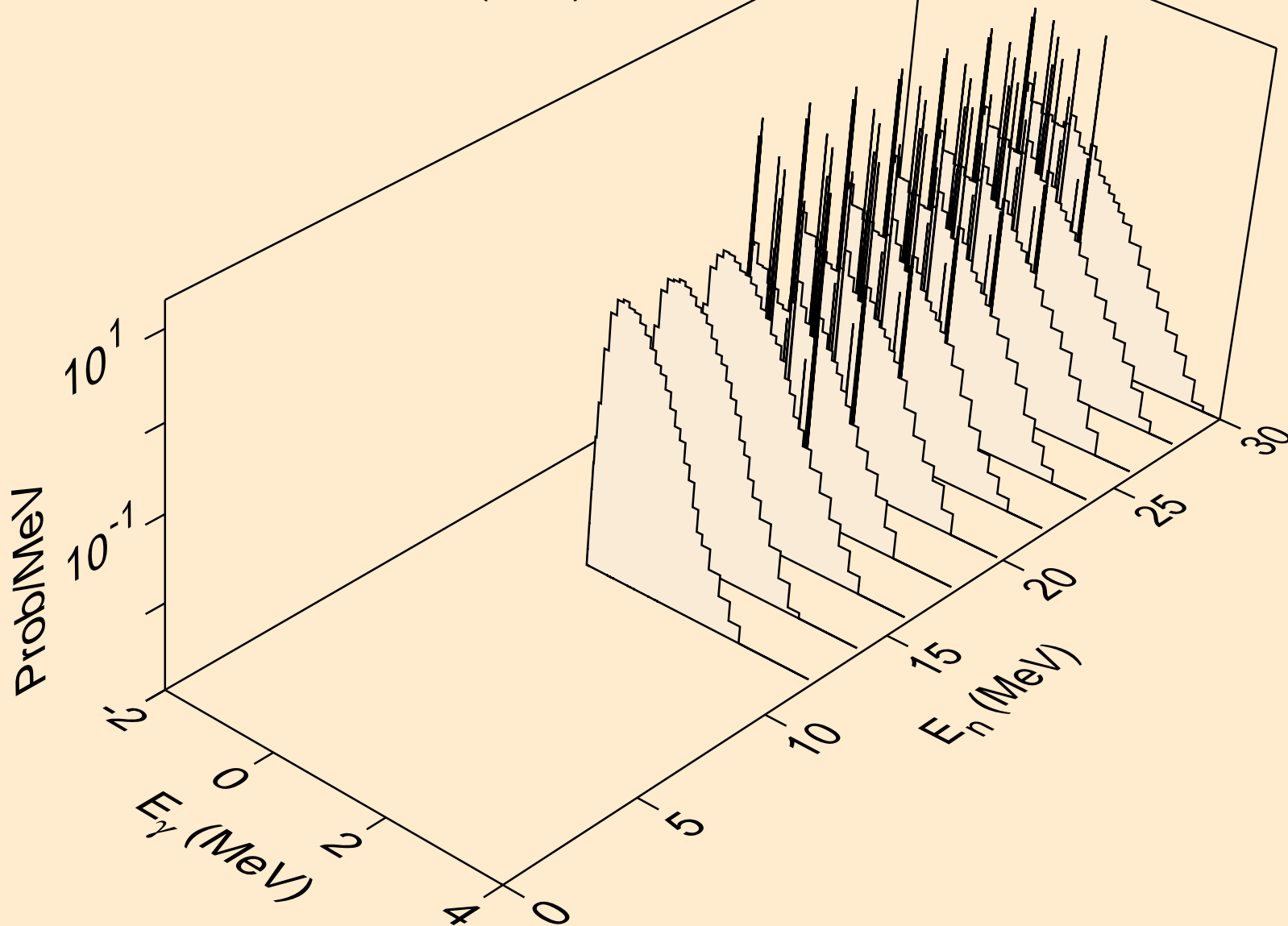
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3n)a



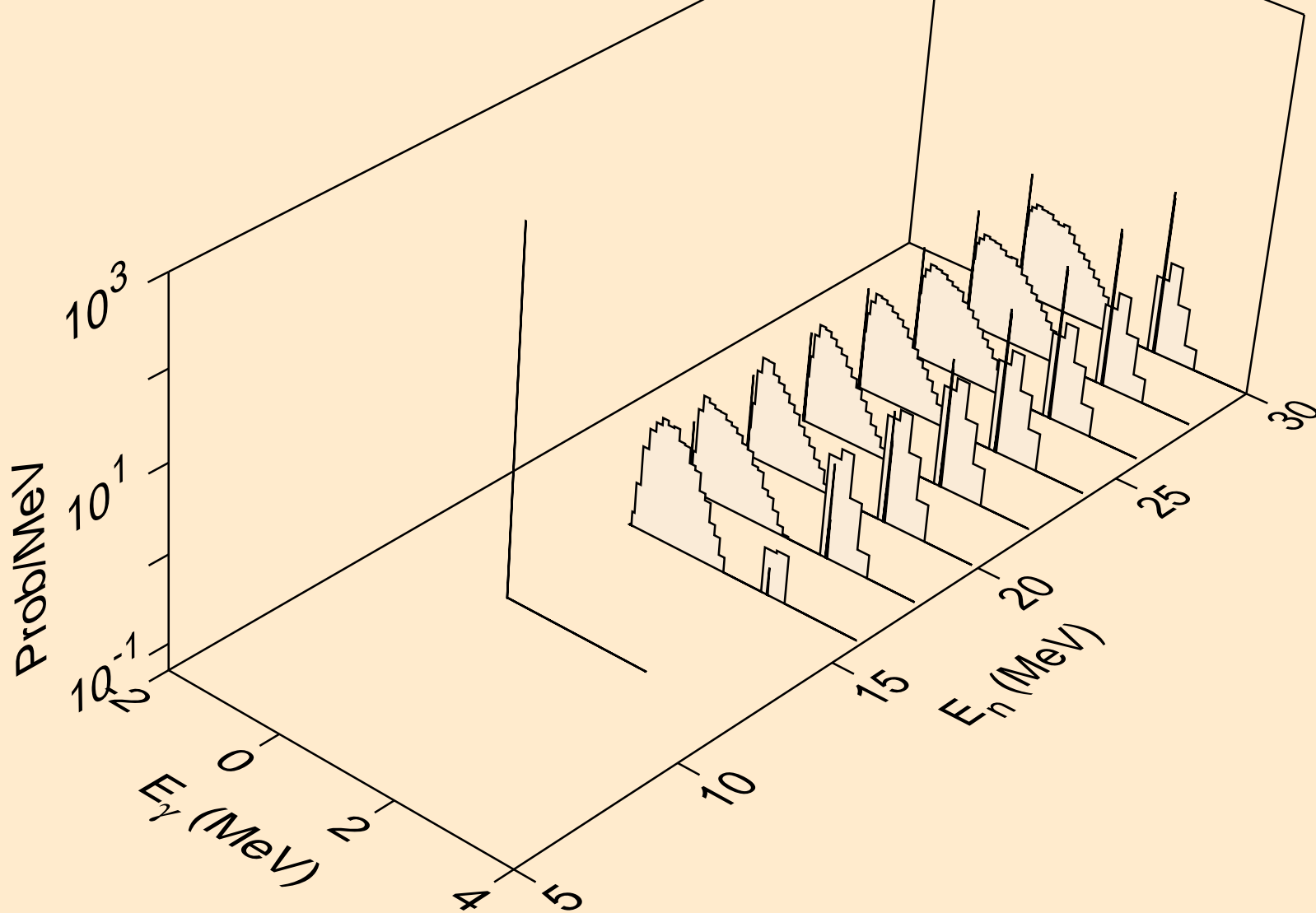
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)p



CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)2a

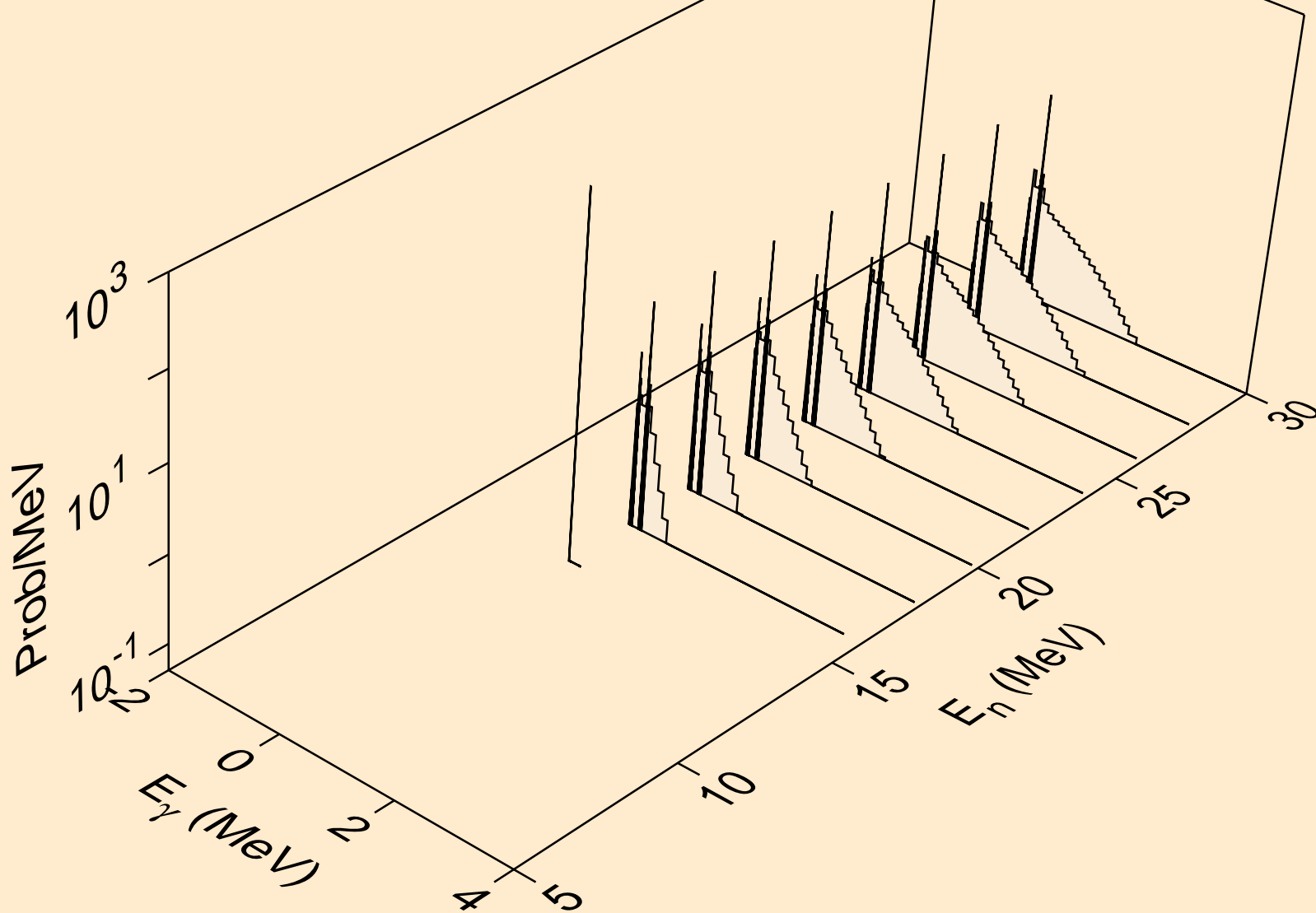


CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)d

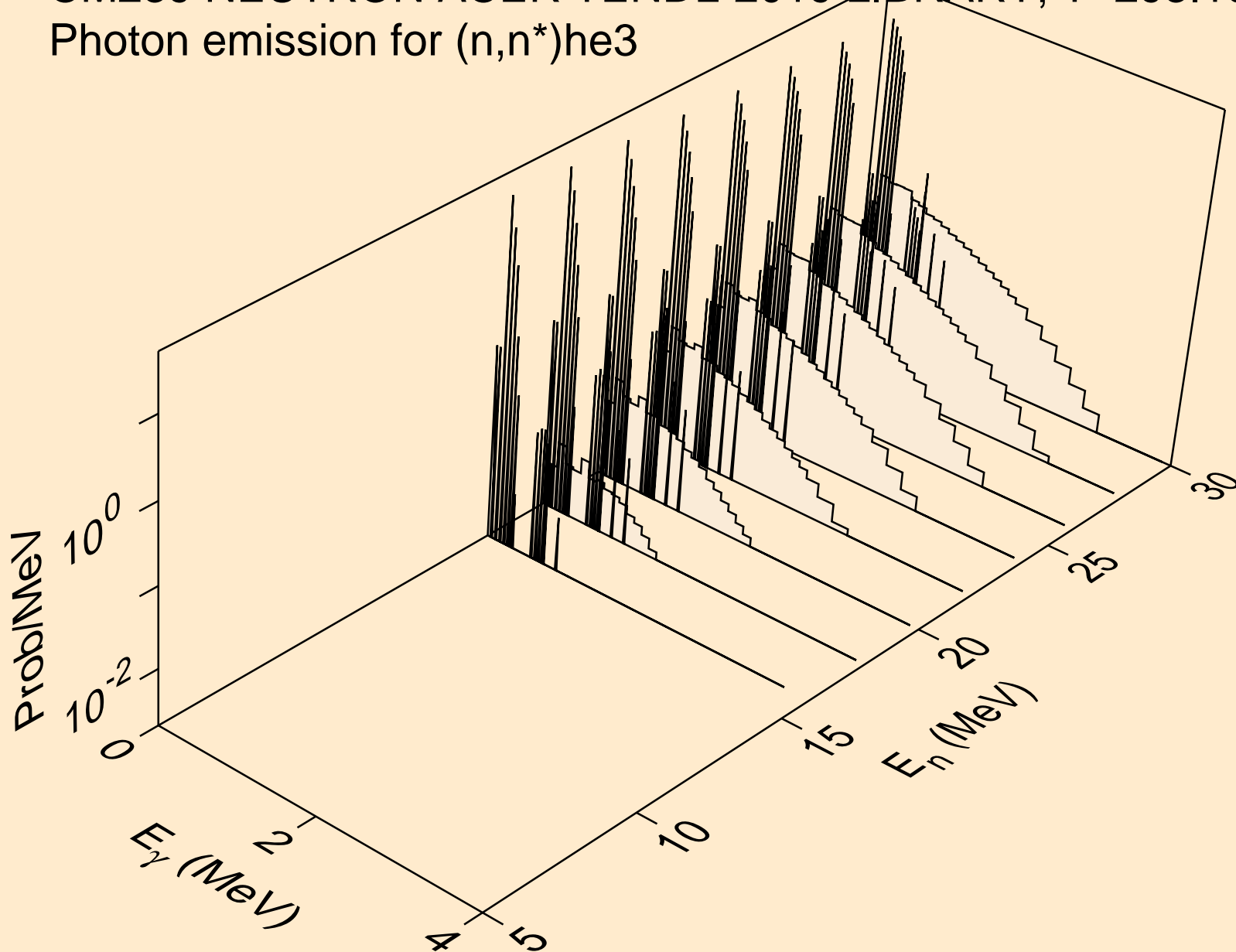




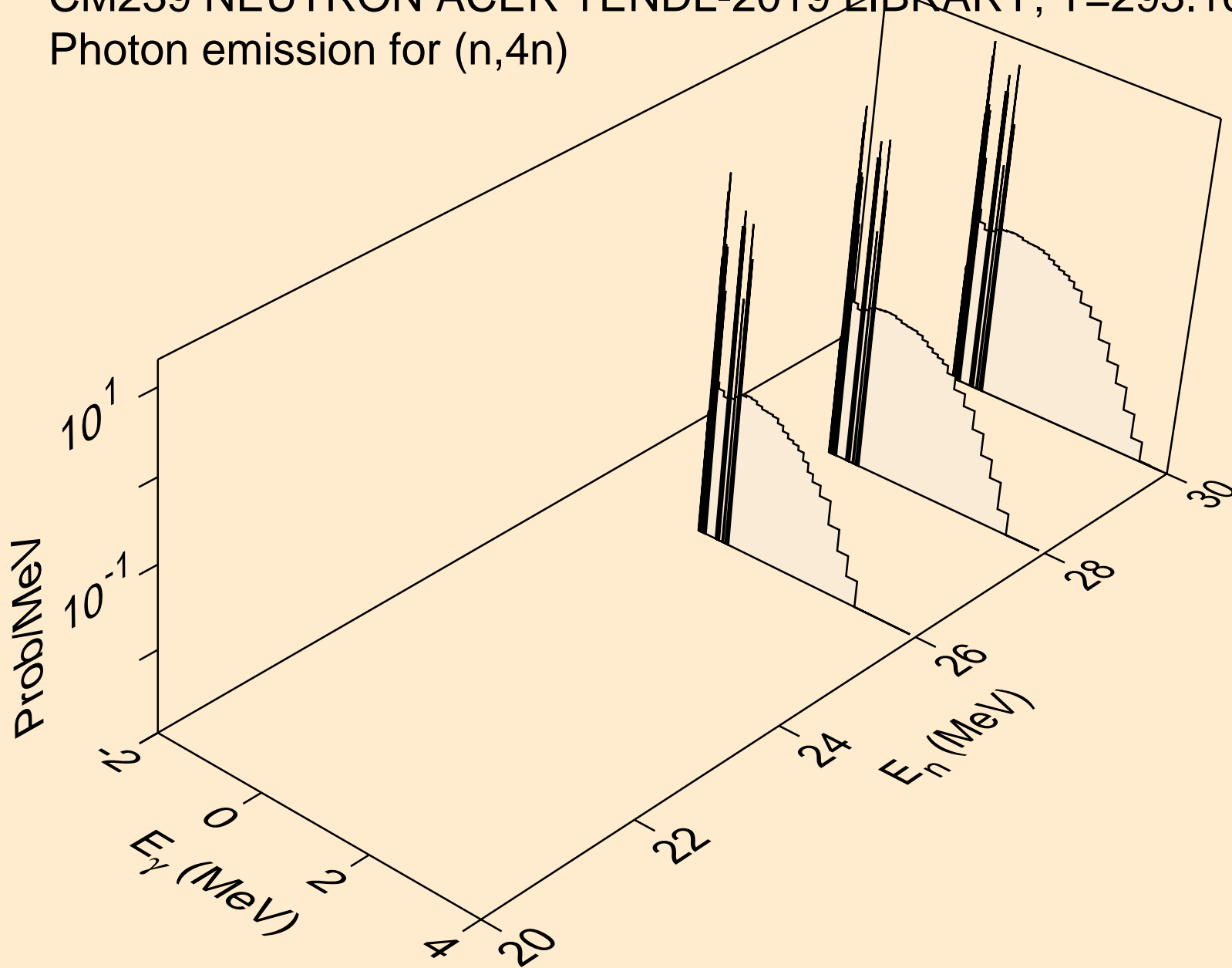
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)t



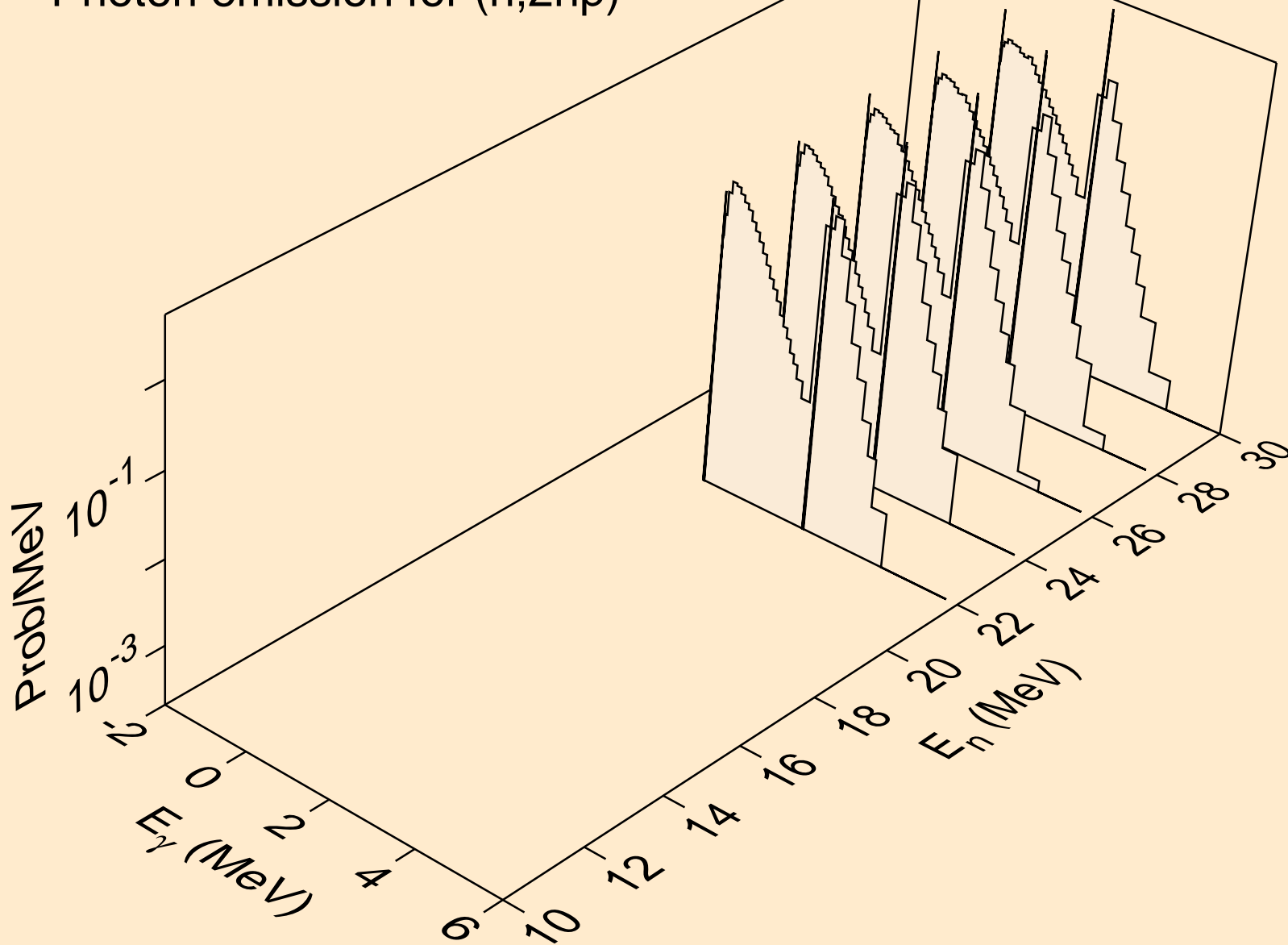
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*)he3



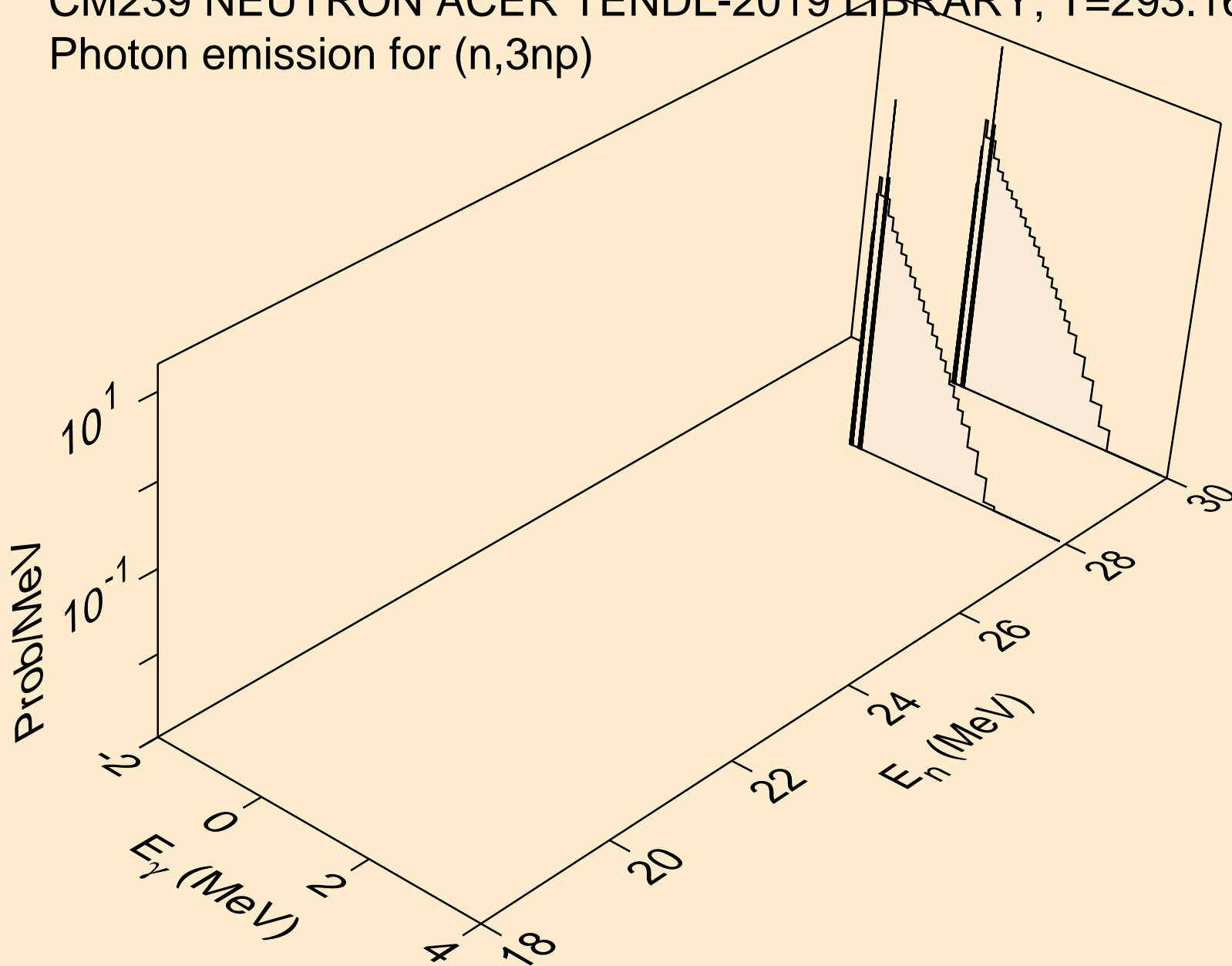
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,4n)



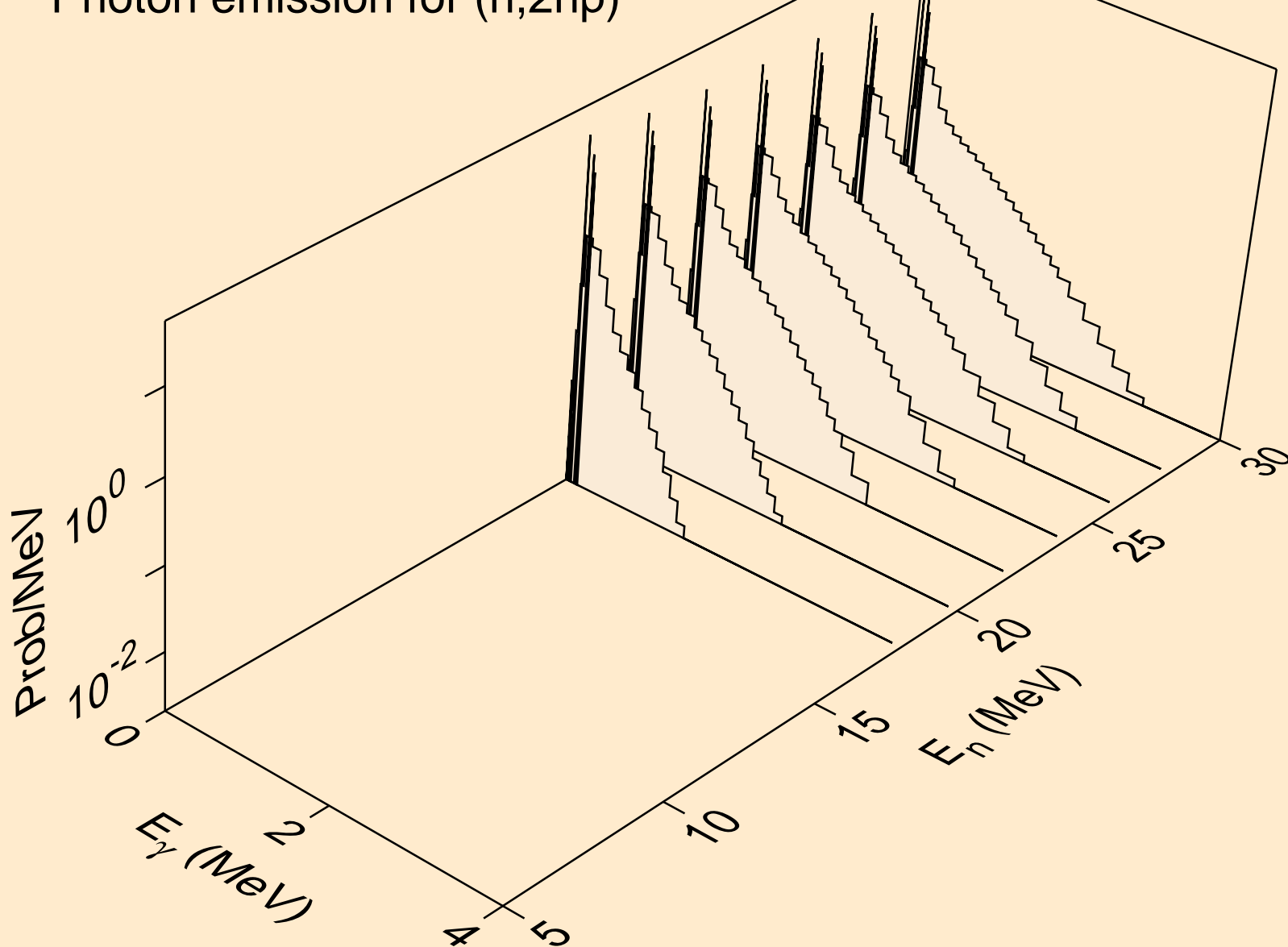
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



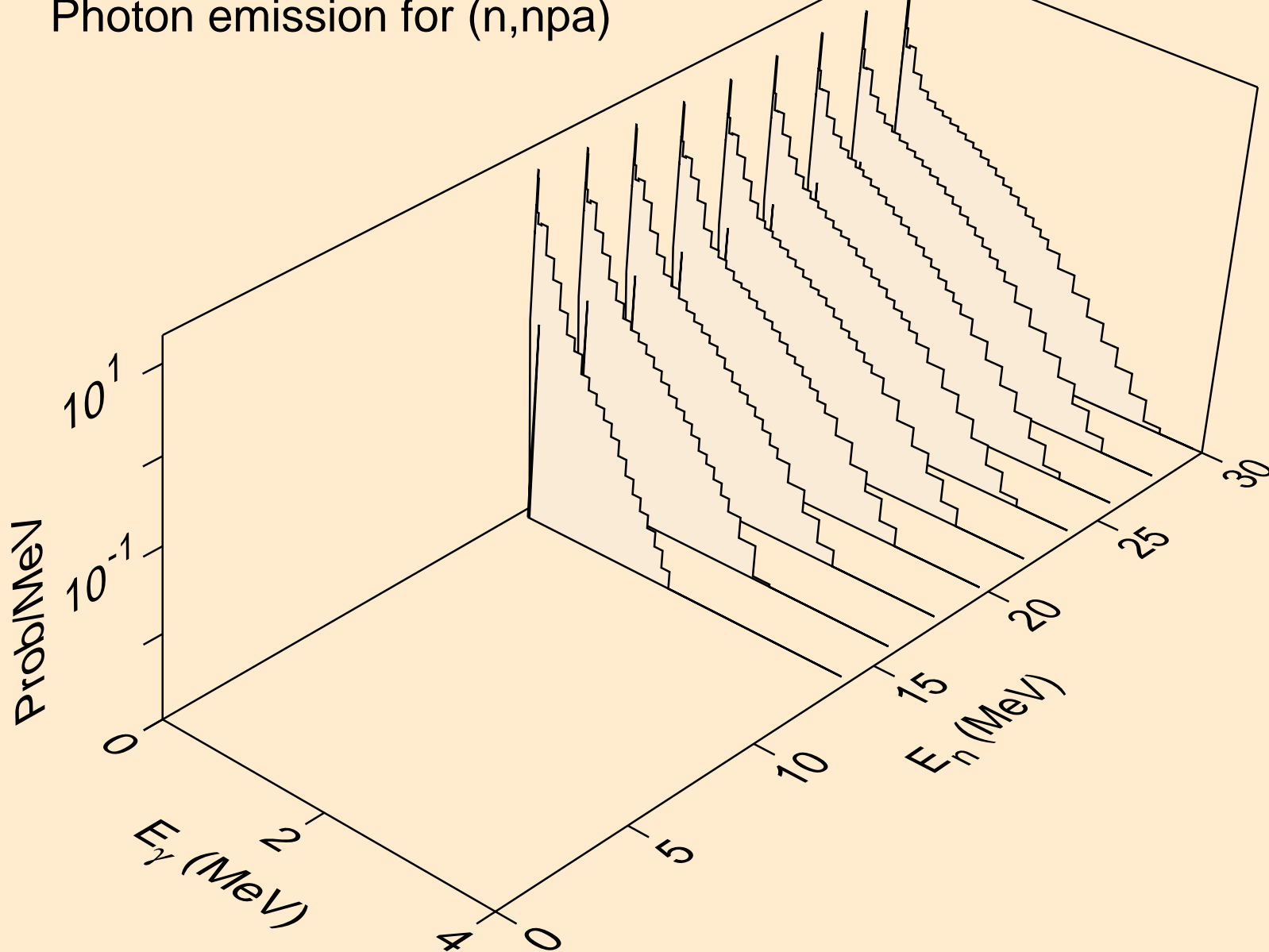
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,3np)



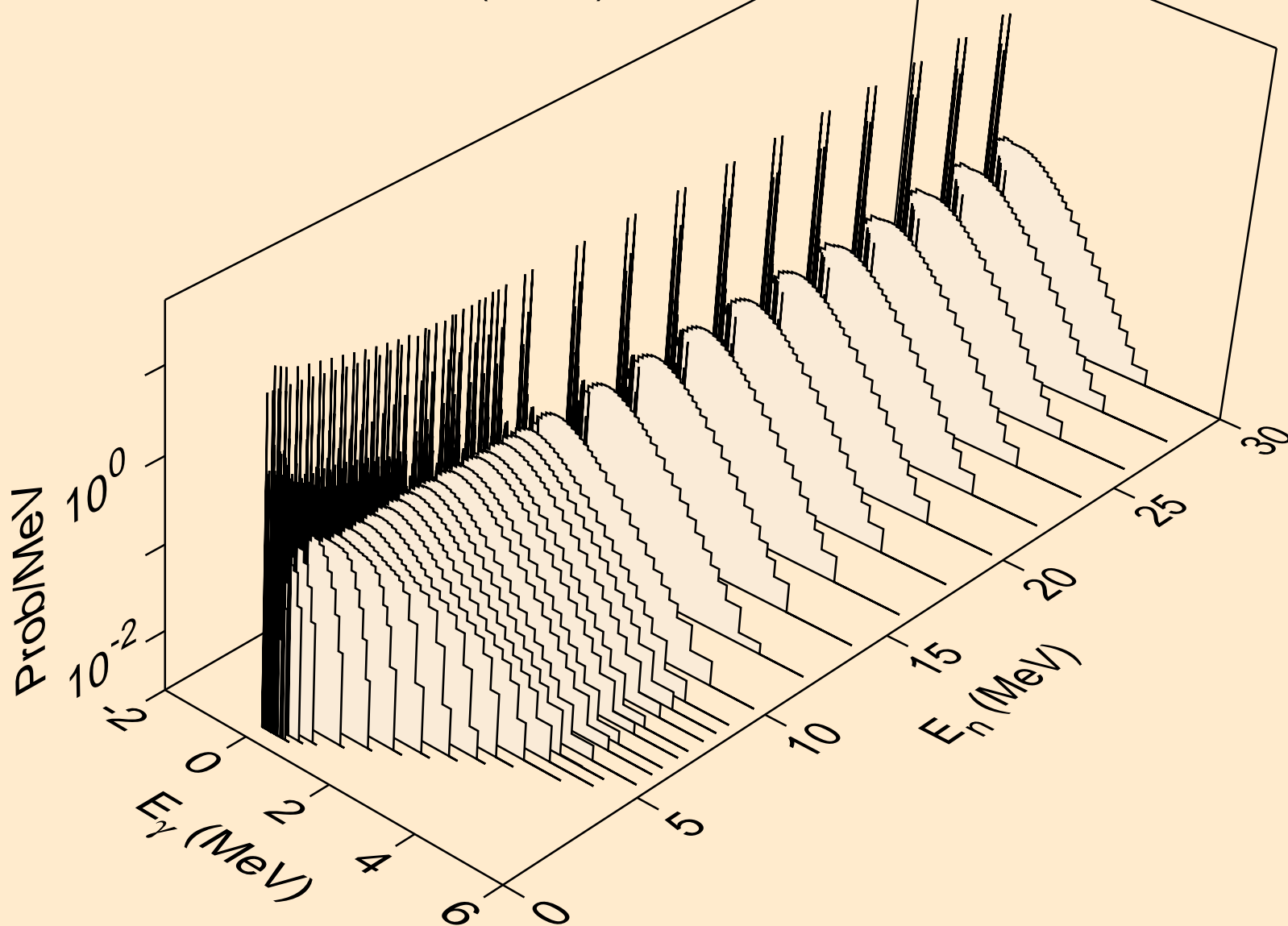
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2np)



CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,npa)

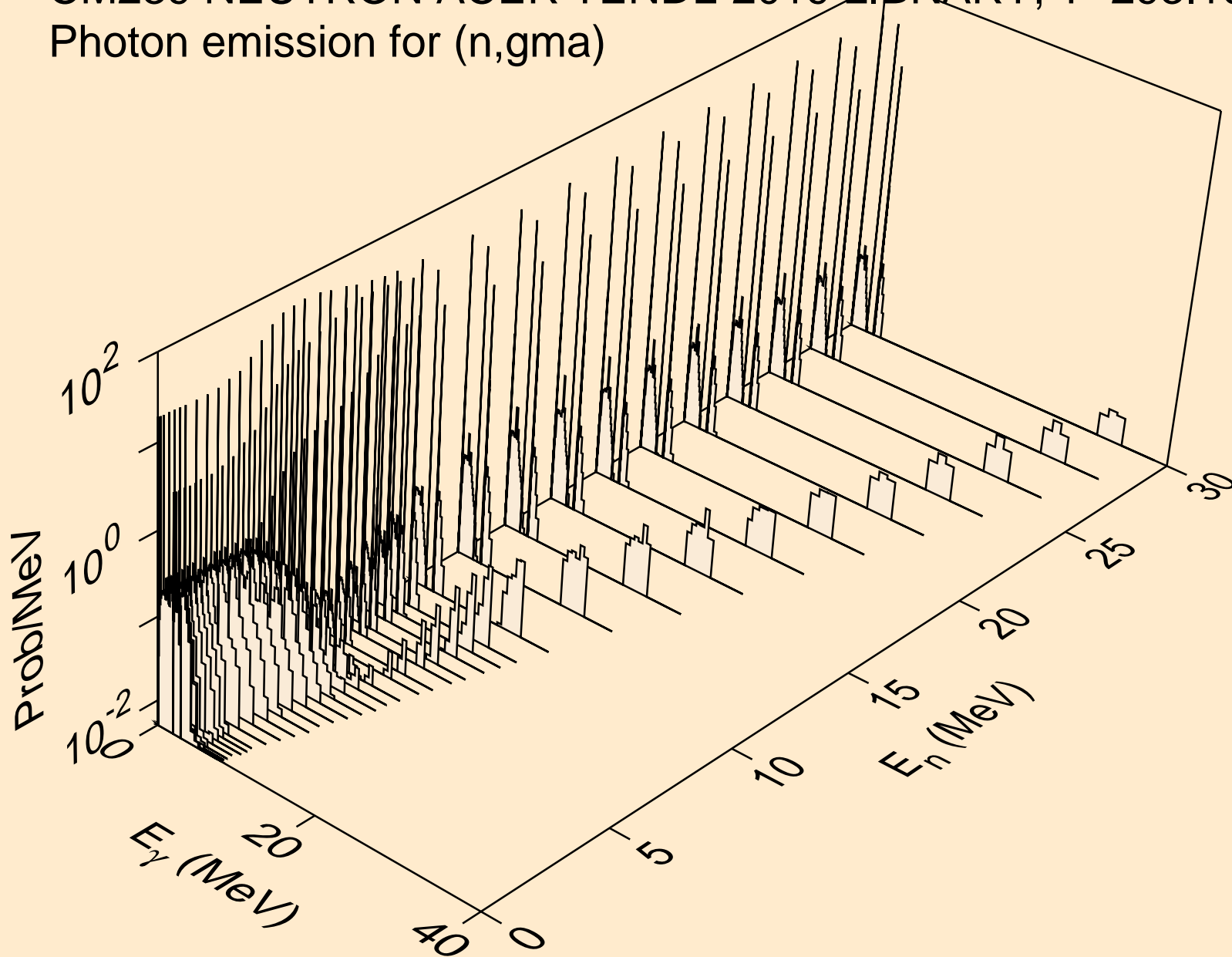


CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,n\*c)

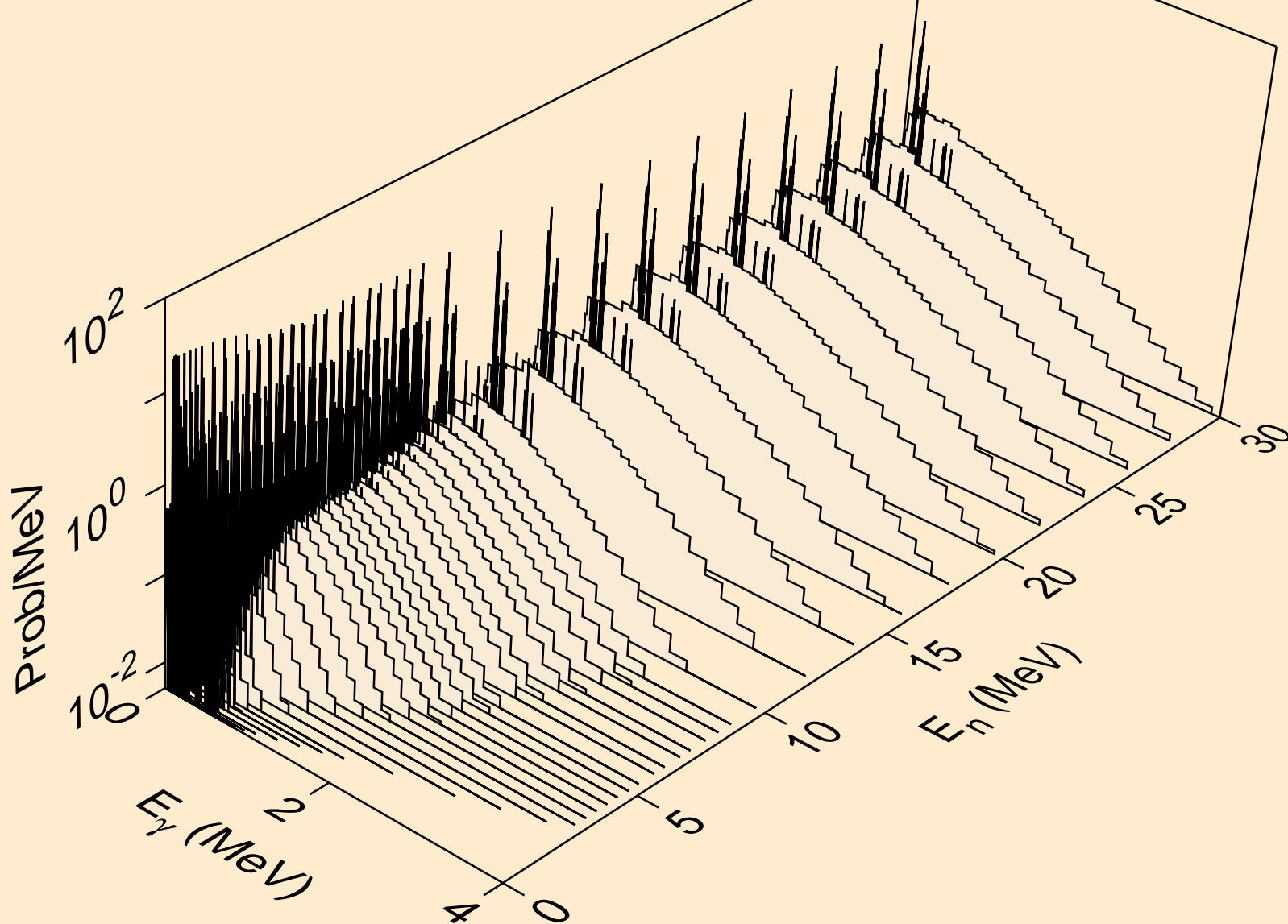




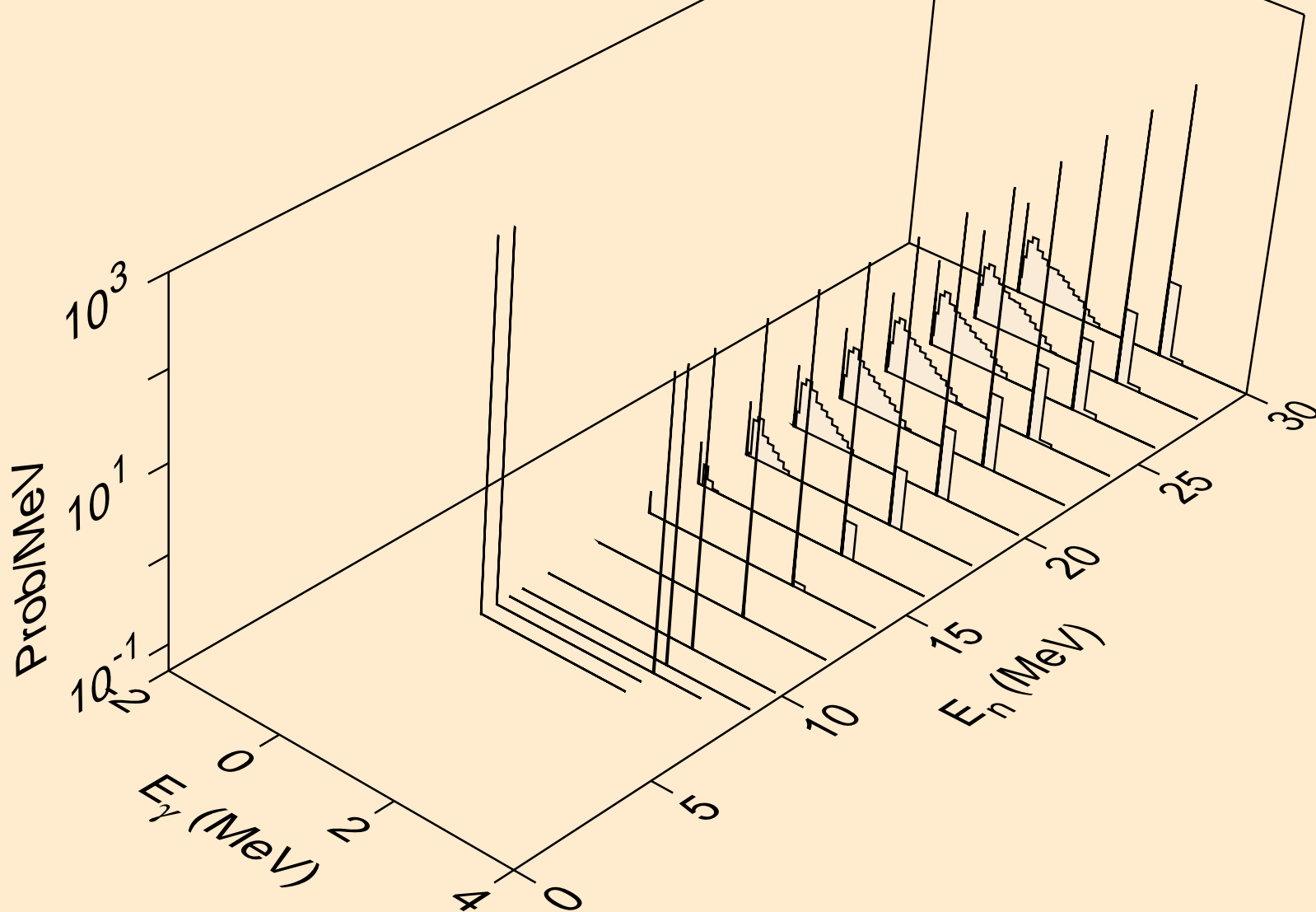
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,gma)



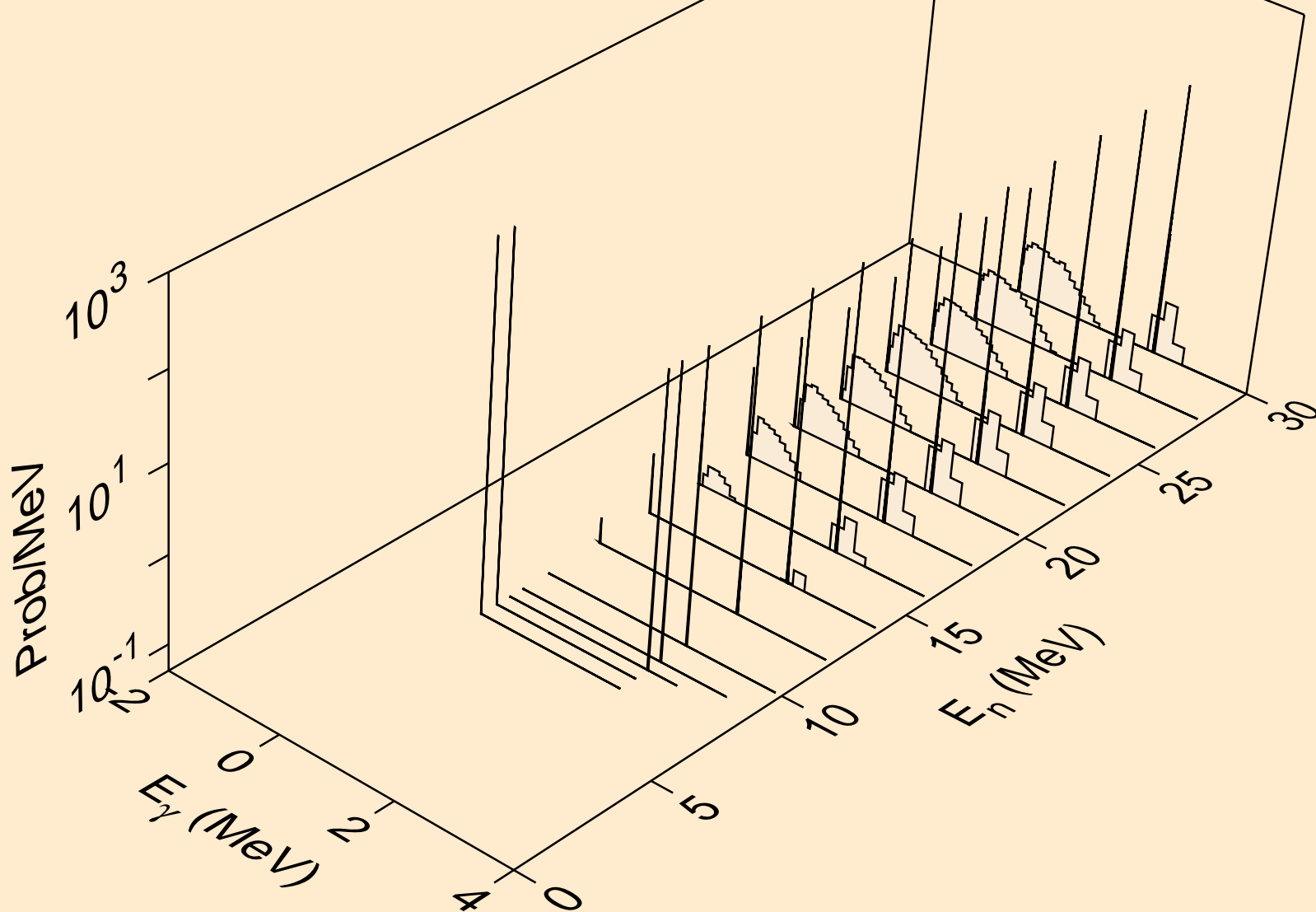
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p)



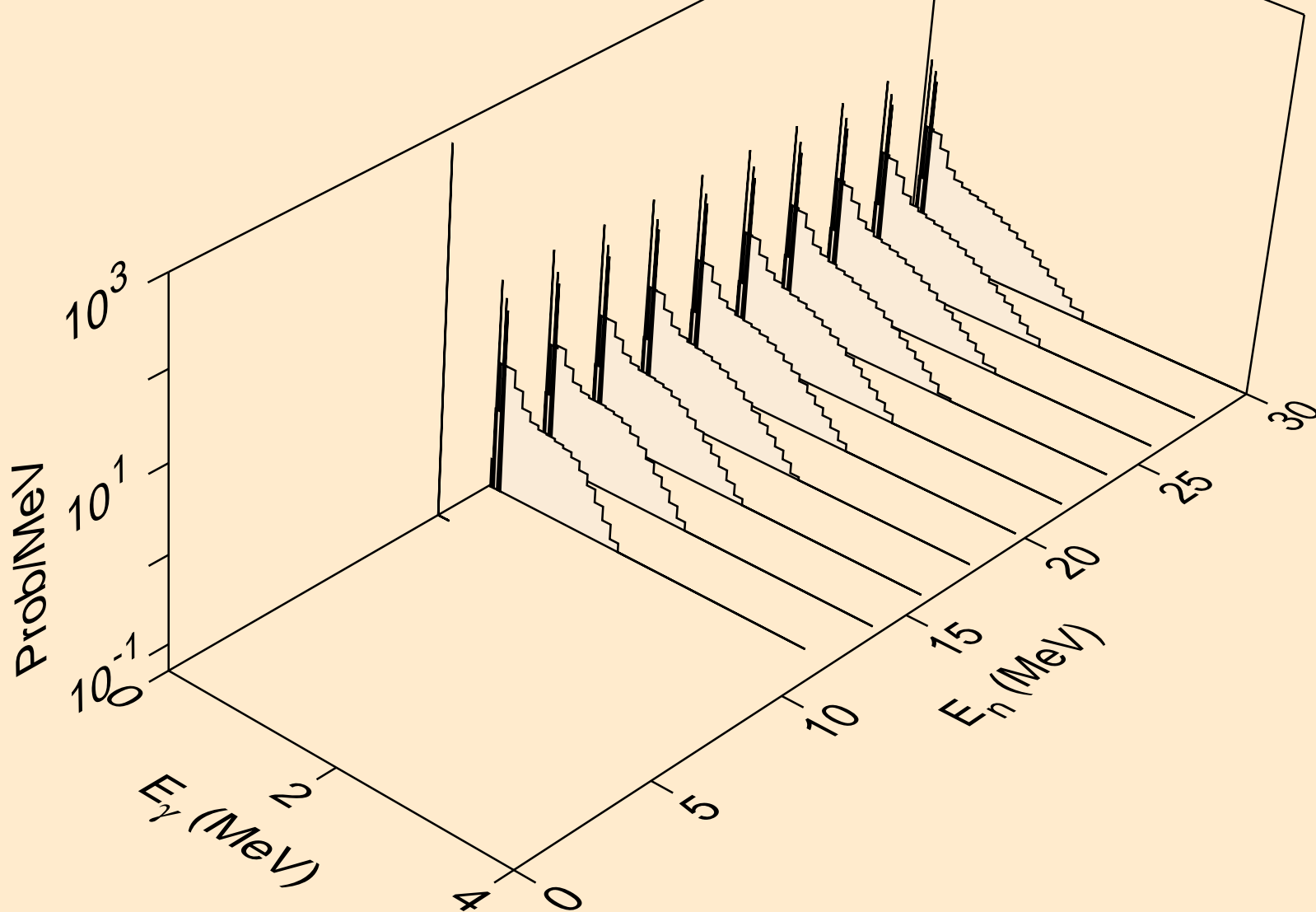
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,d)



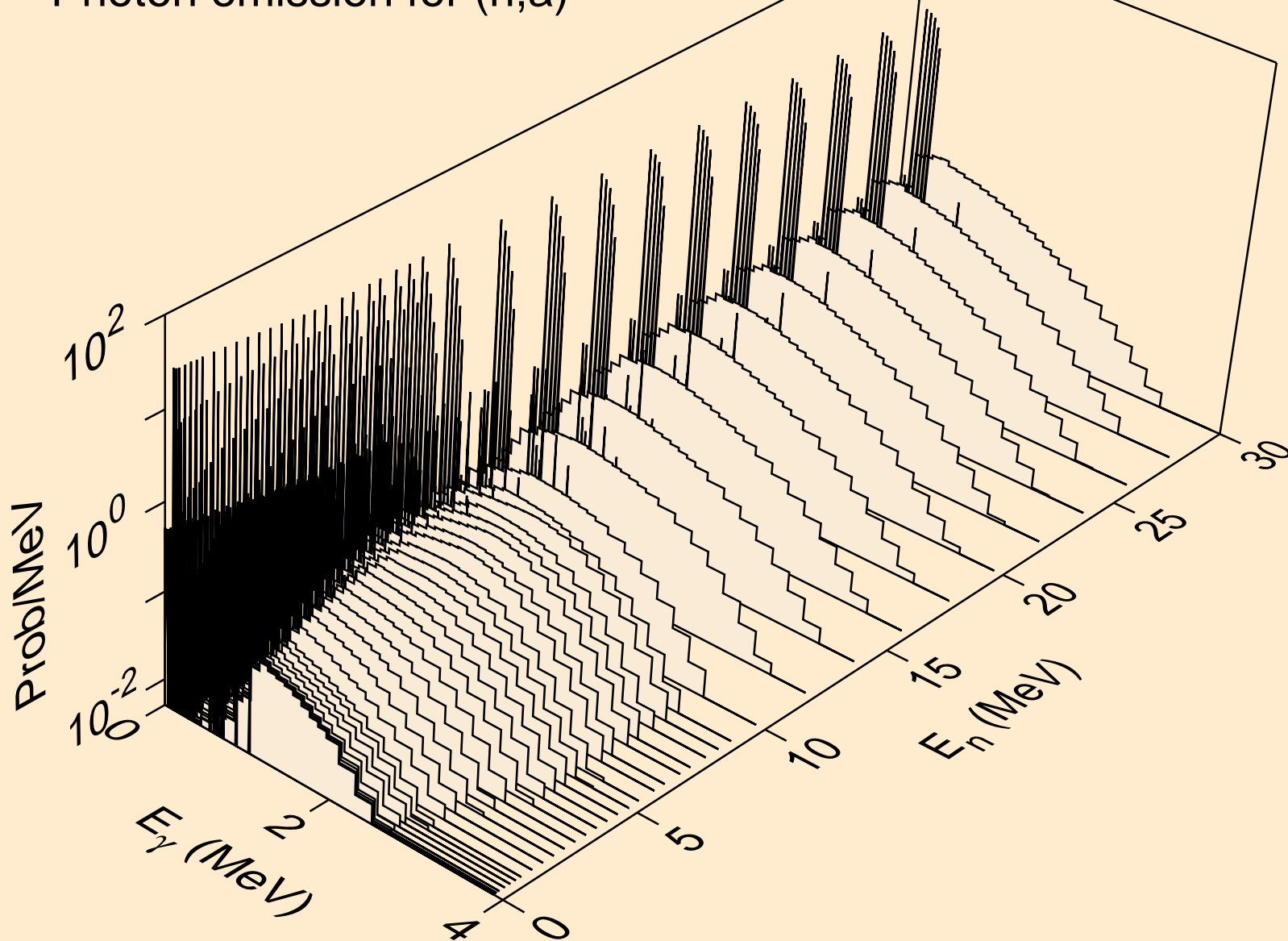
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,t)



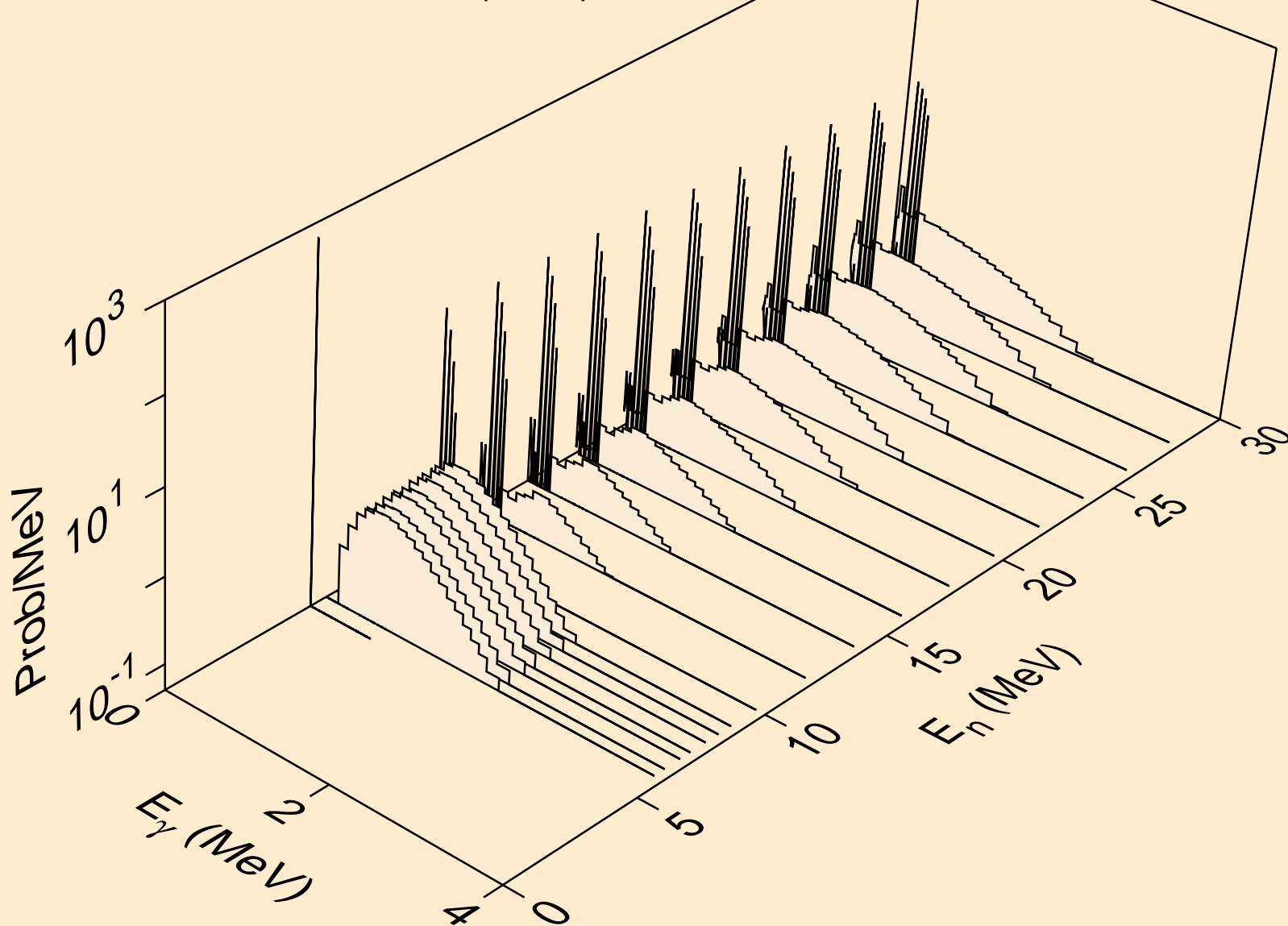
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,he3)



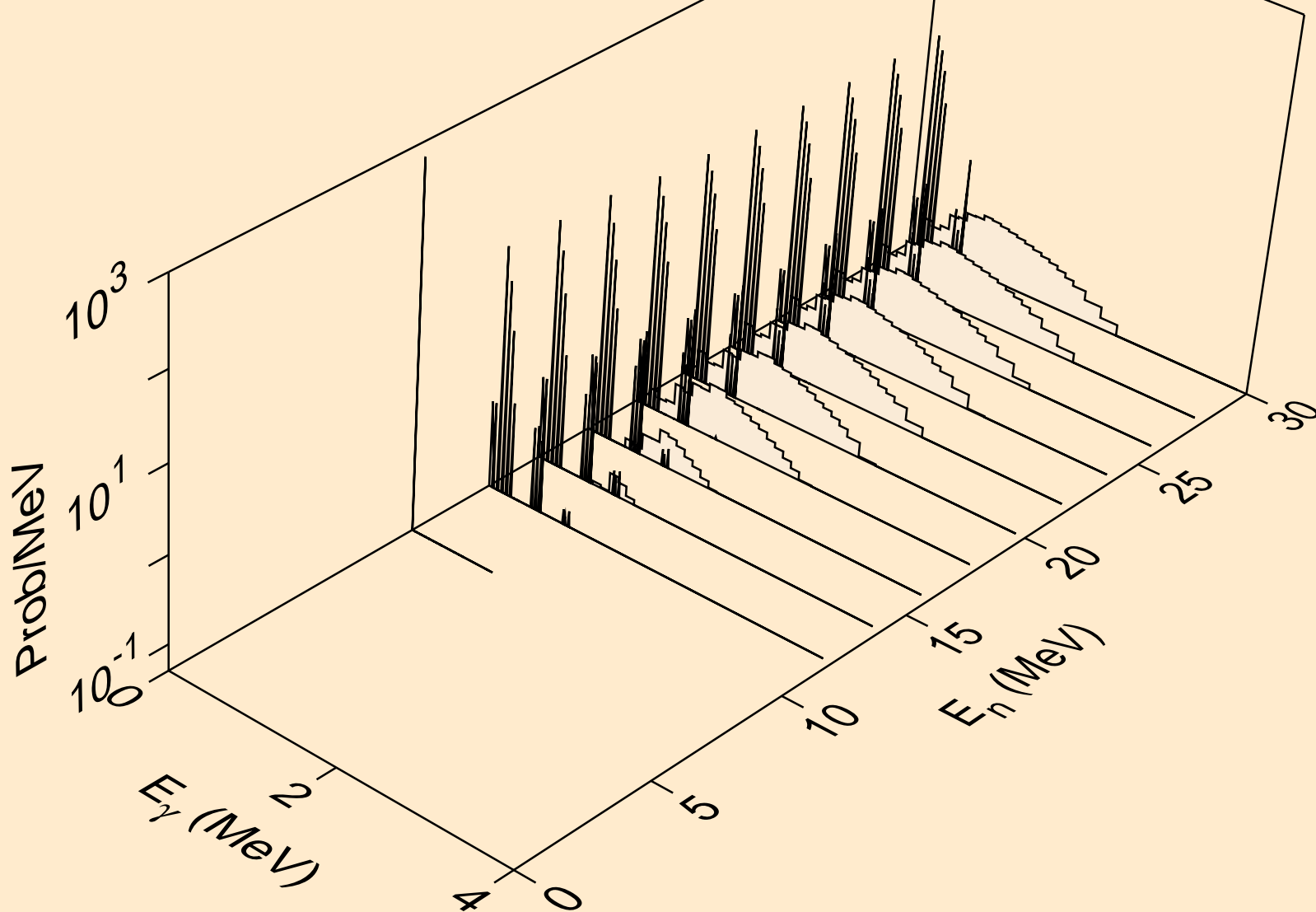
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,a)



CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2a)

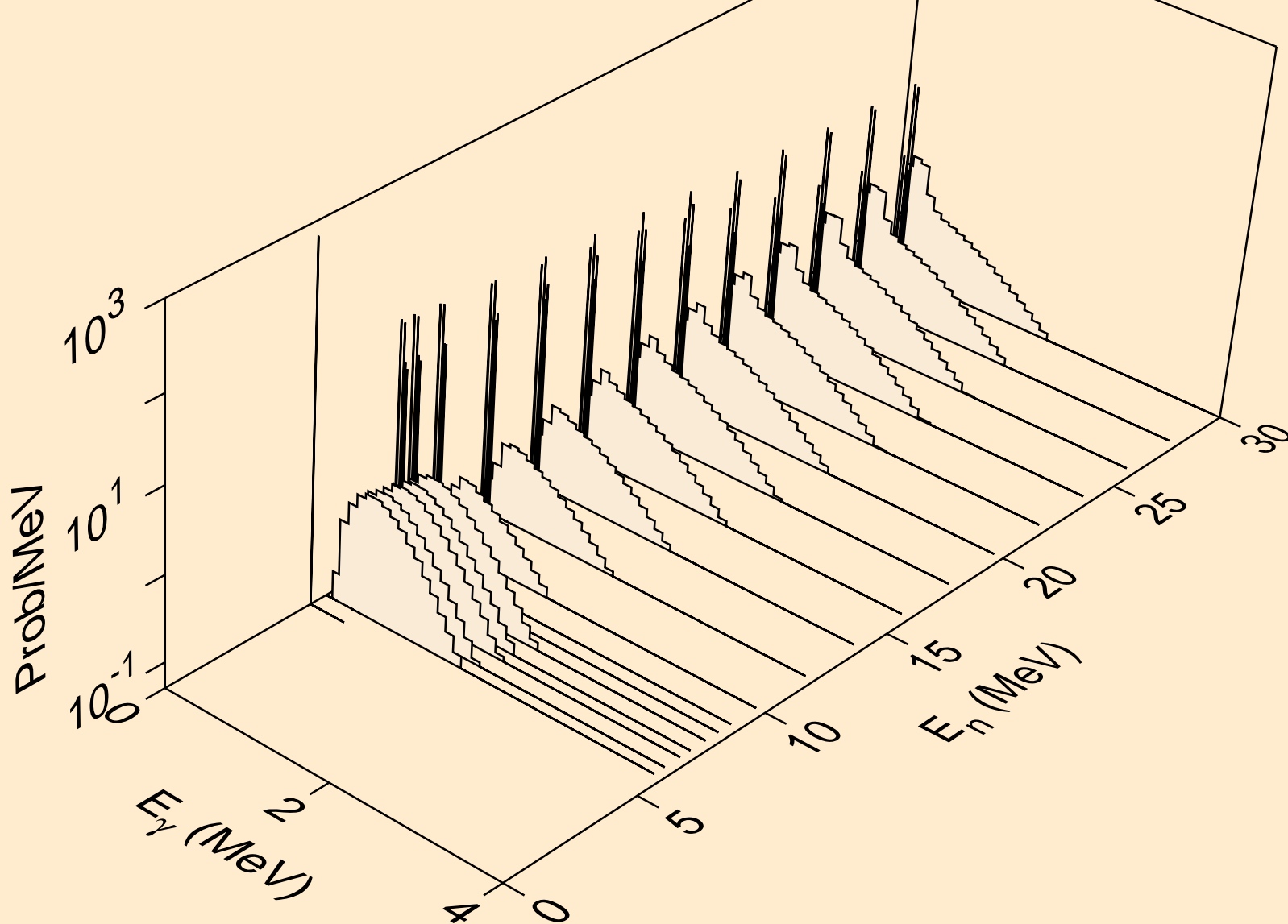


CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,2p)

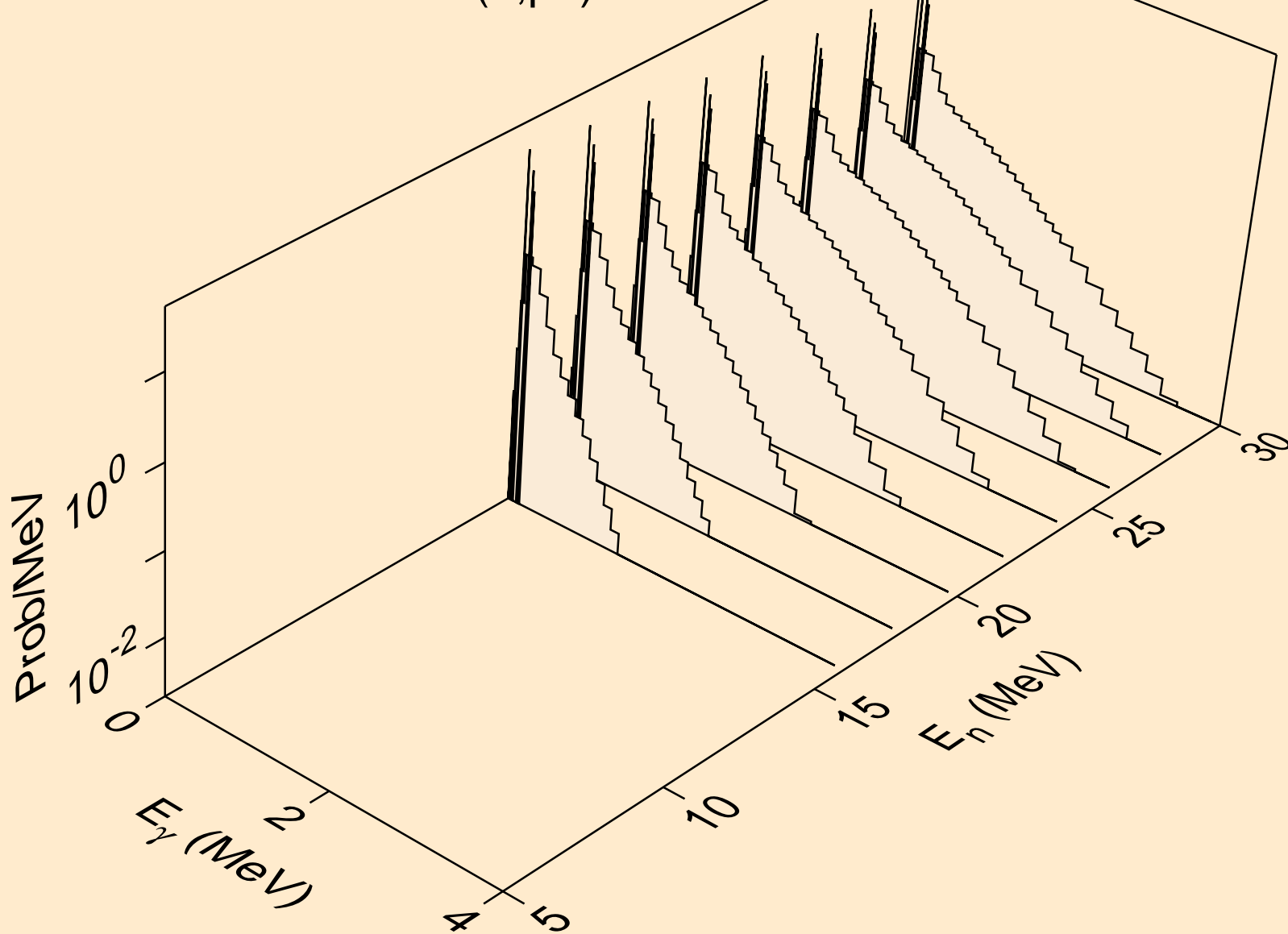




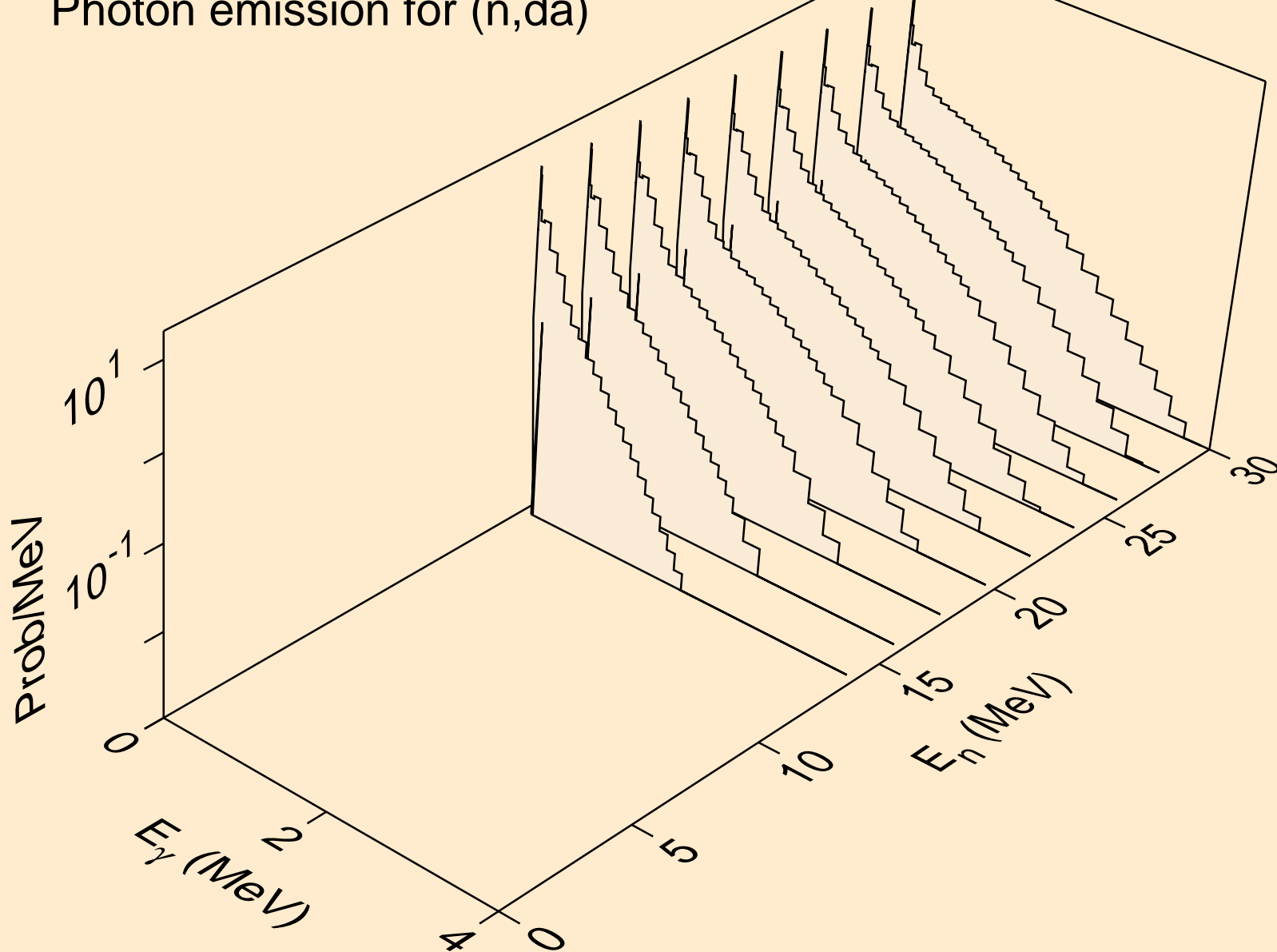
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,p $\alpha$ )



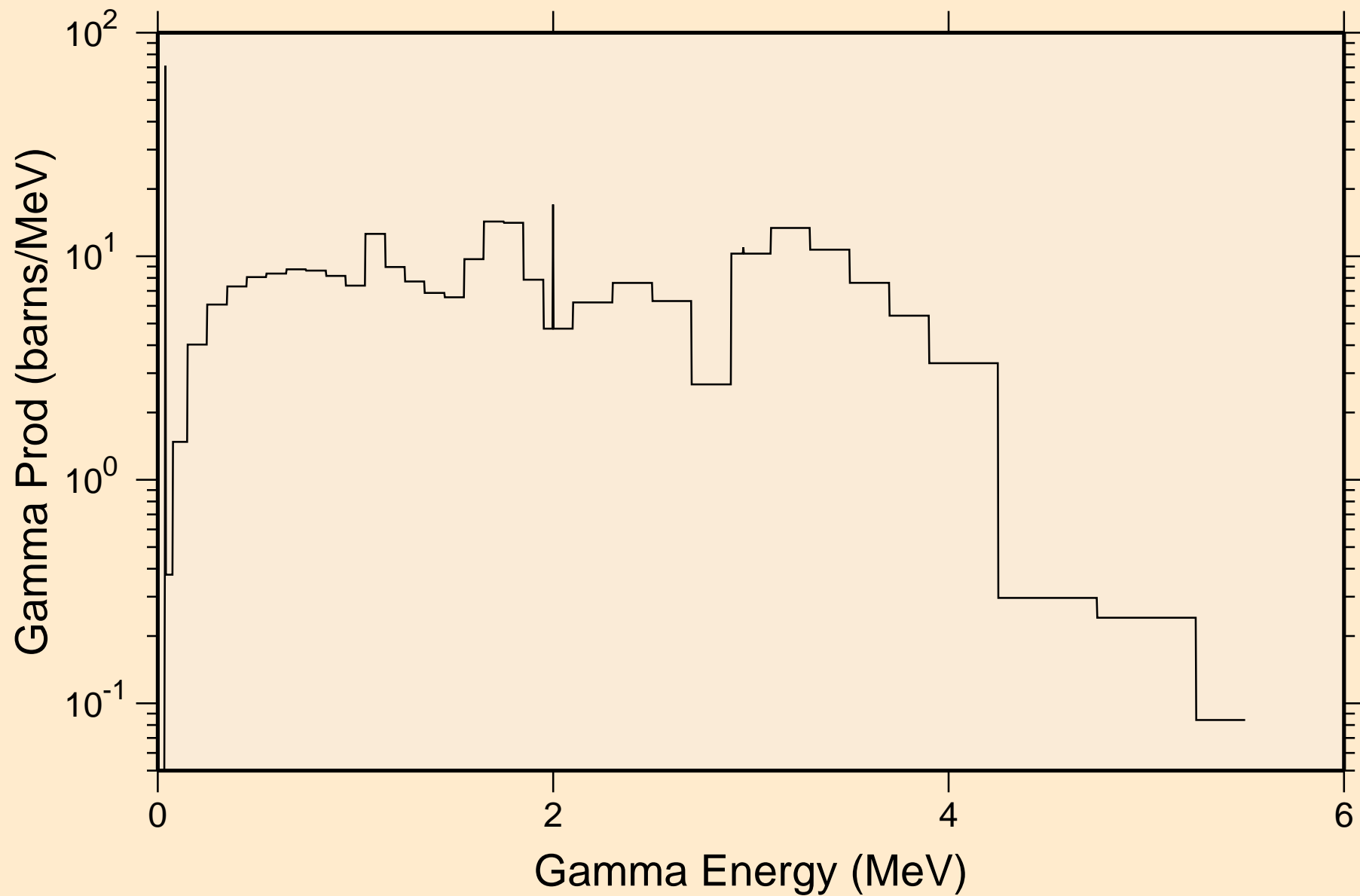
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,pd)



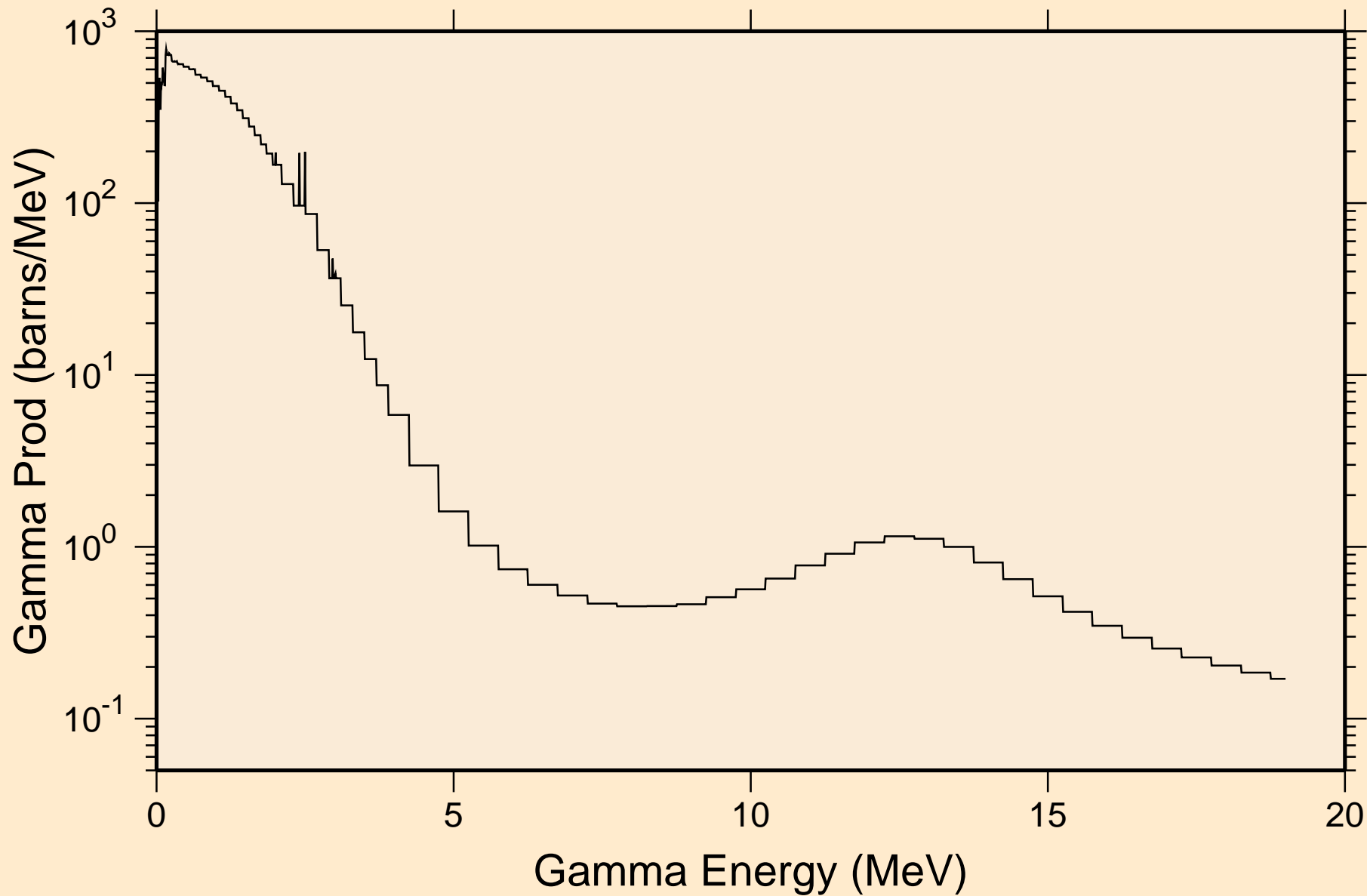
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Photon emission for (n,da)



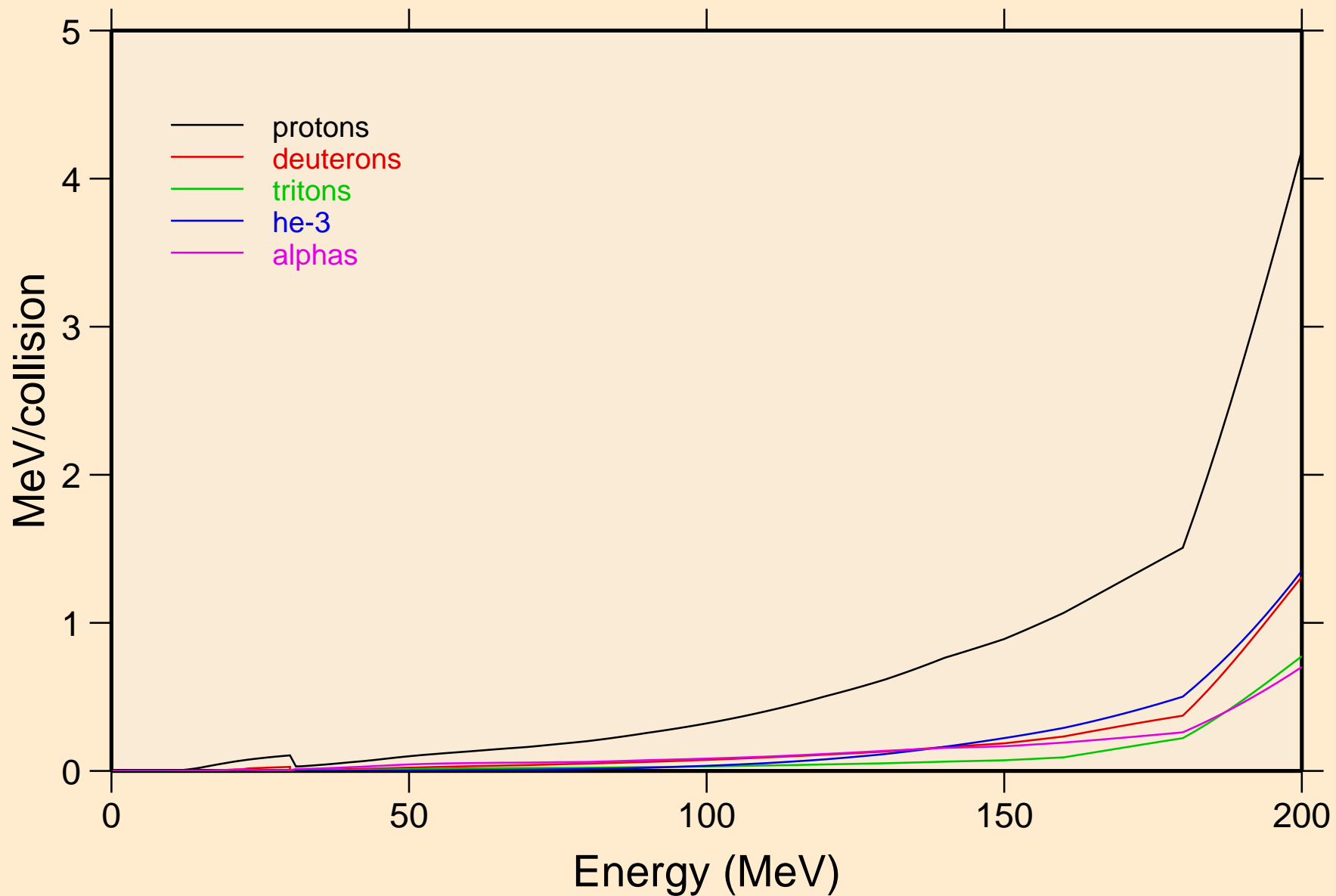
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
thermal capture photon spectrum



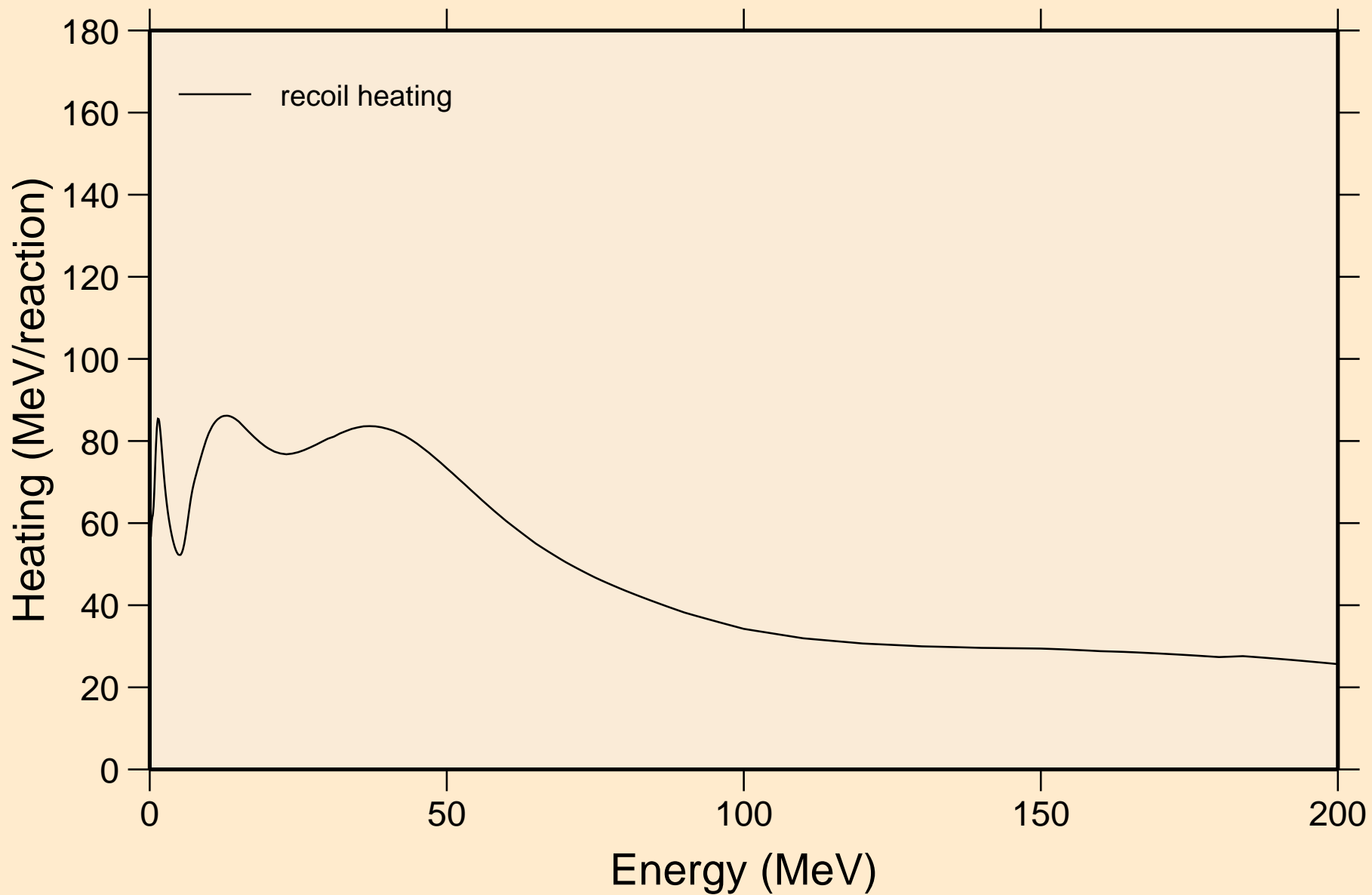
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
14 MeV photon spectrum



CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Particle heating contributions

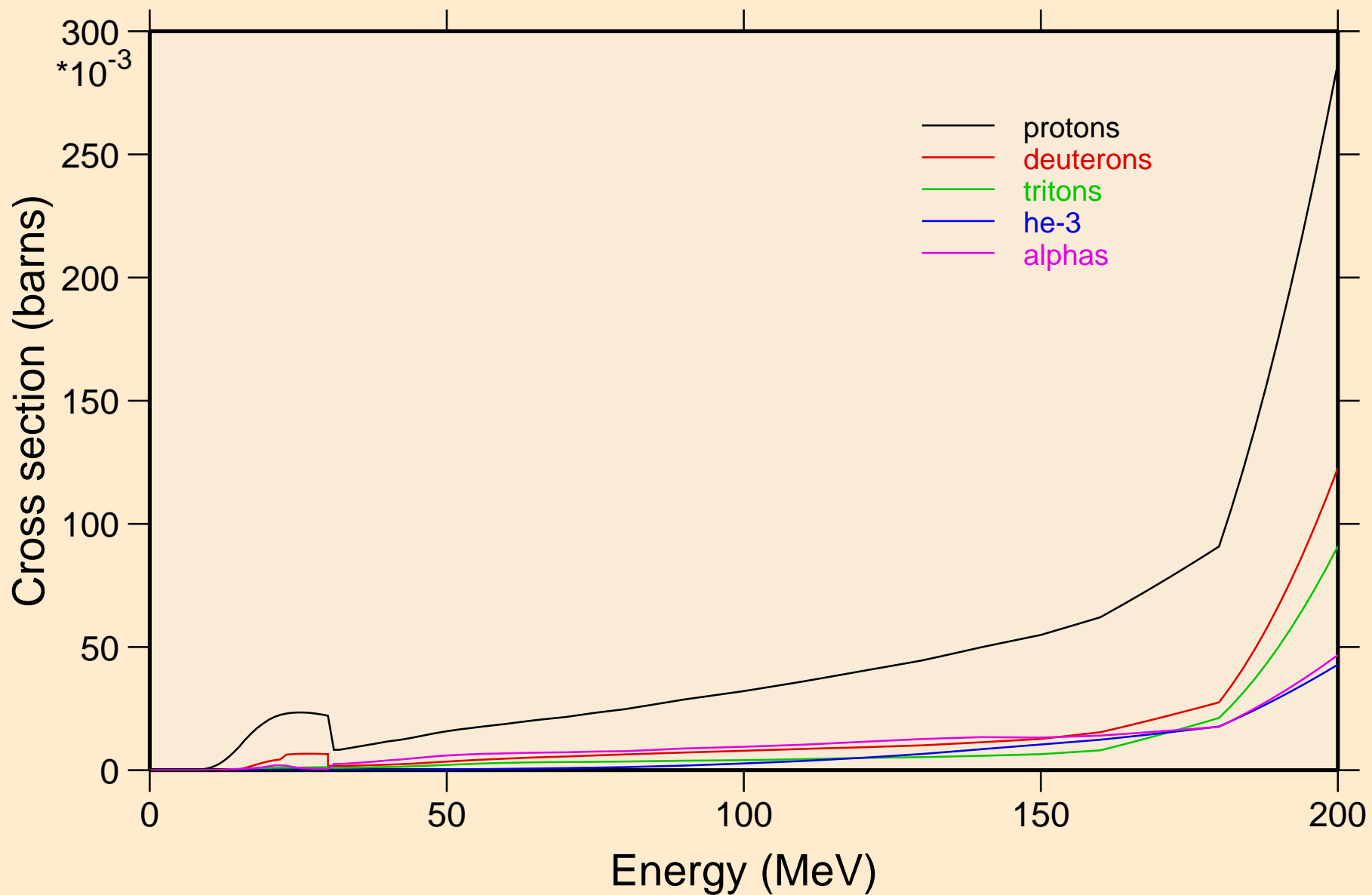


CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
Recoil Heating



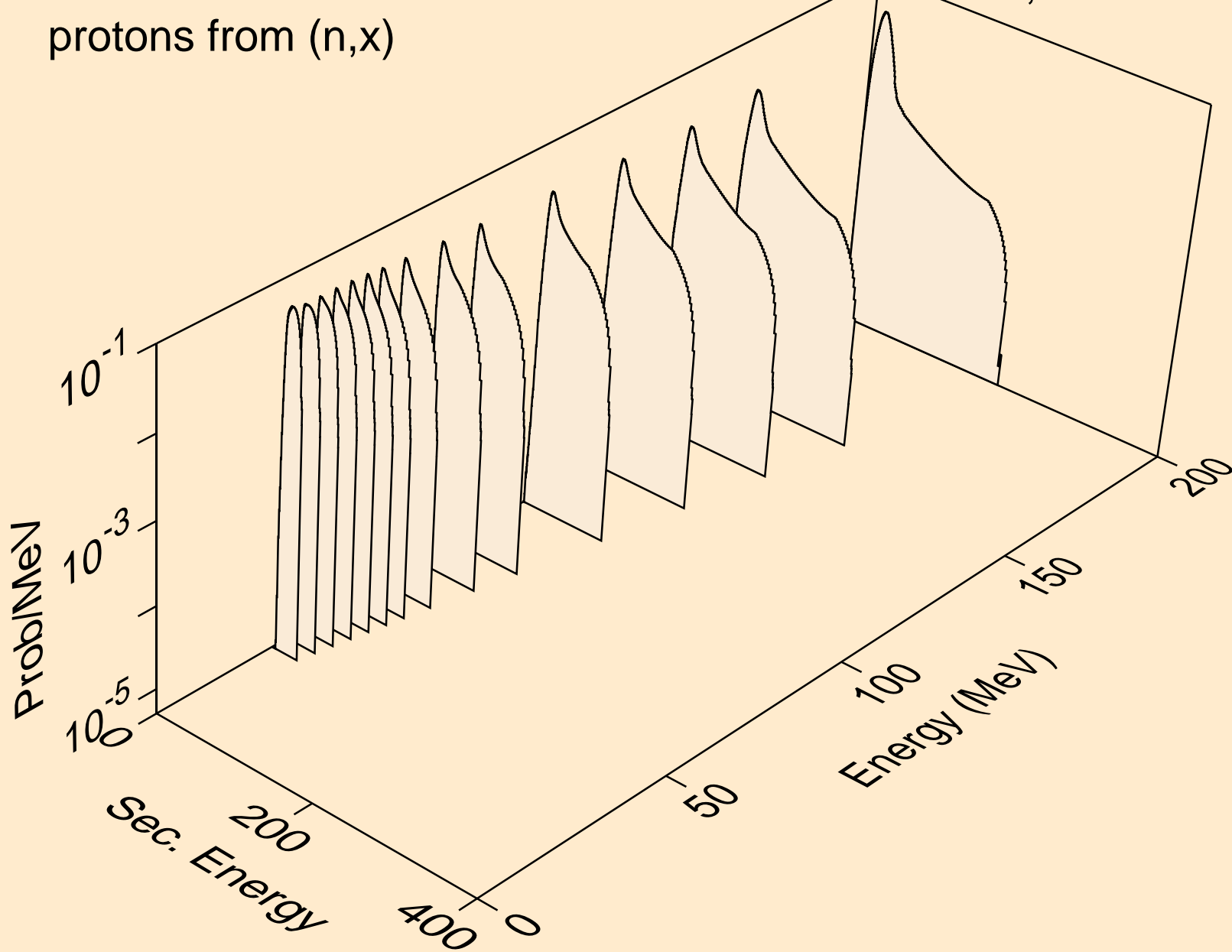
# CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K

## Particle production cross sections

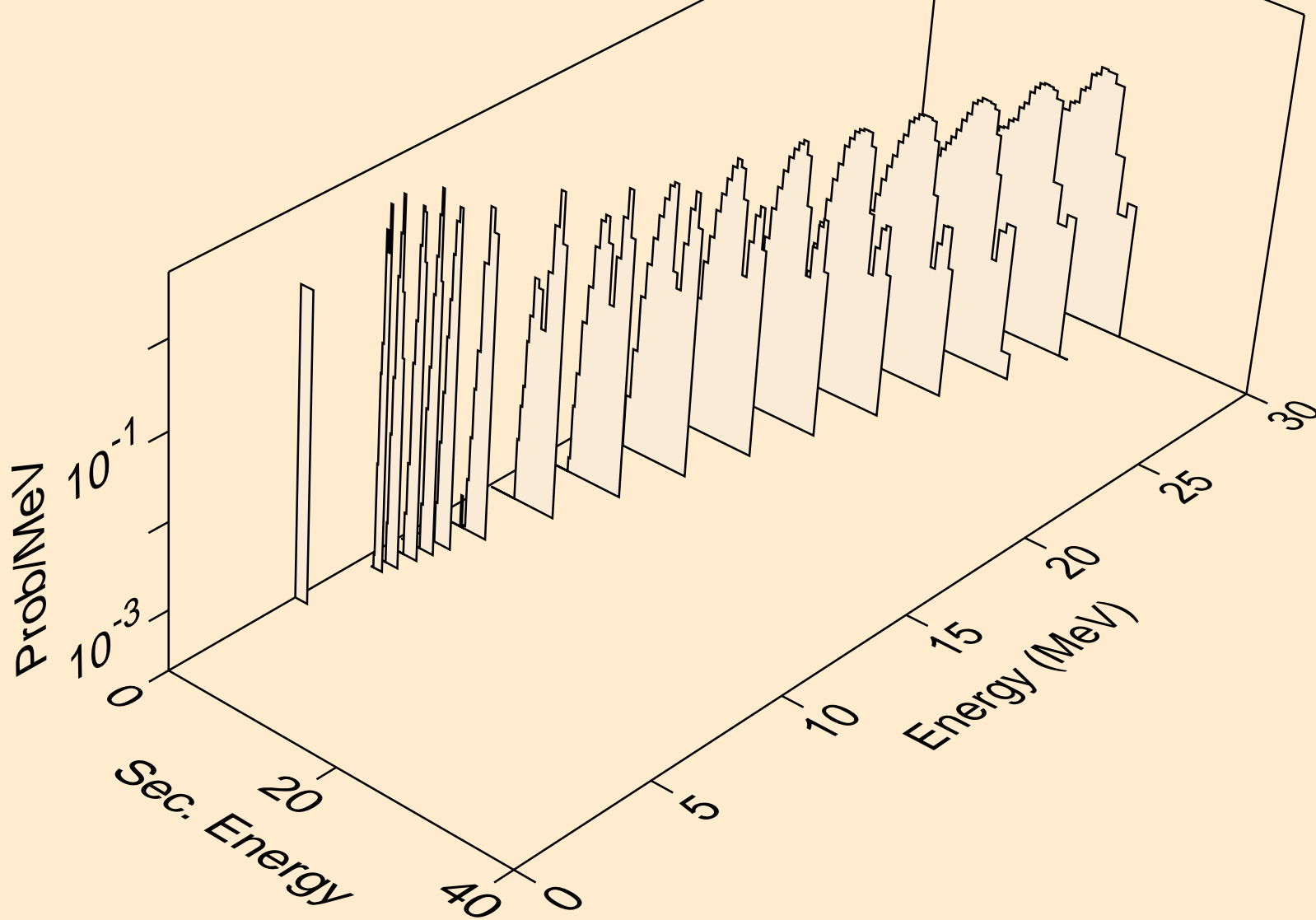




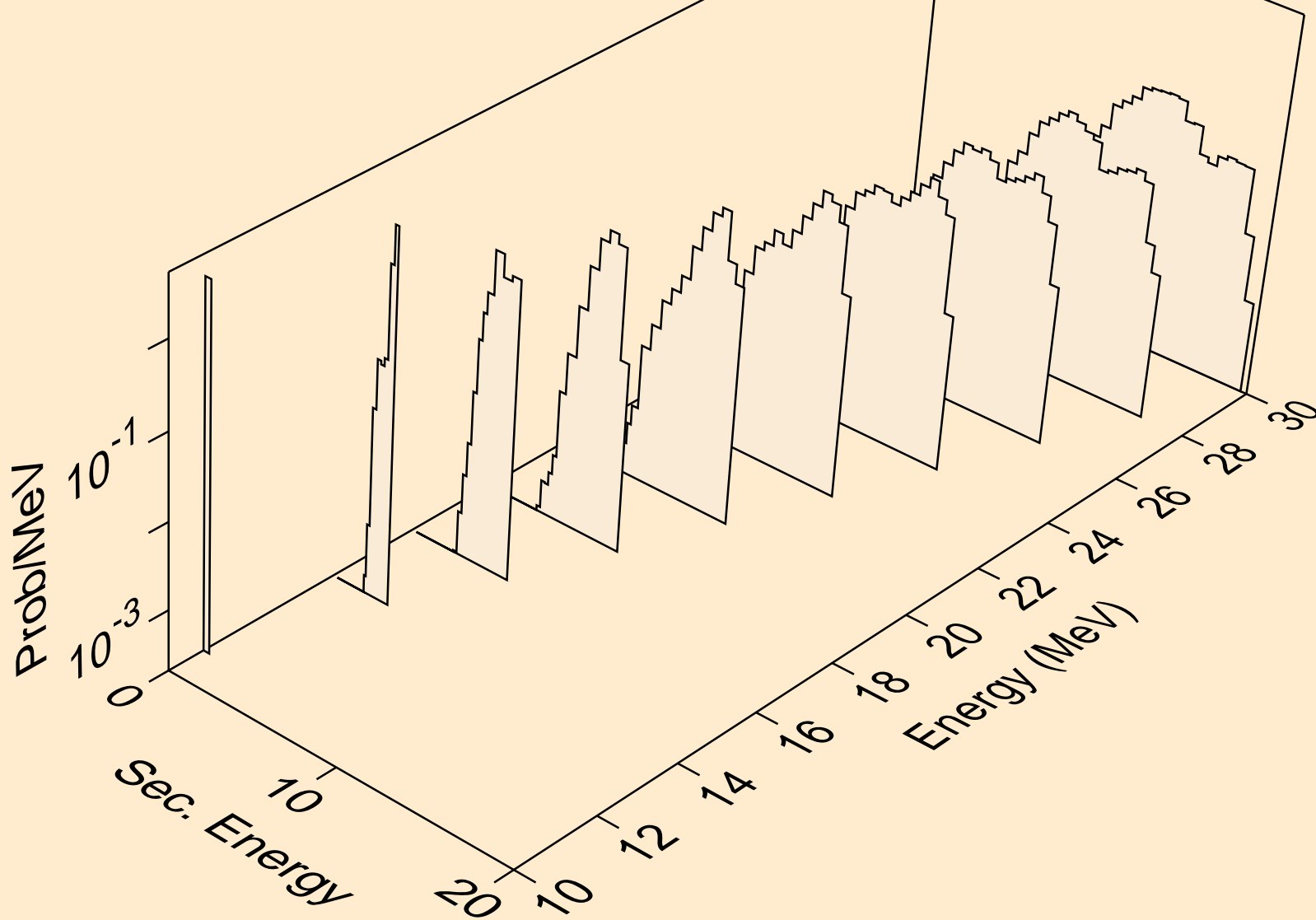
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,x)



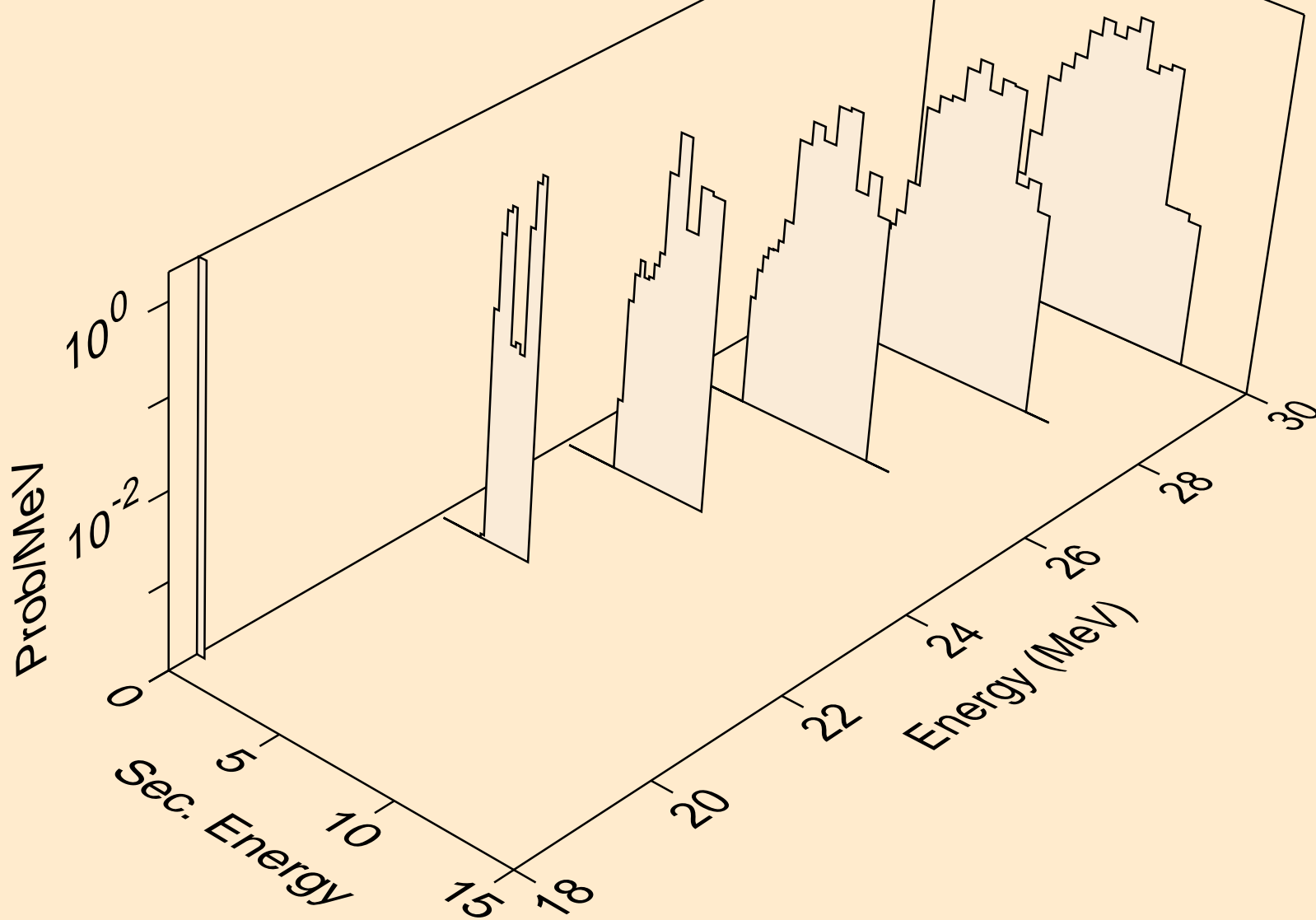
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,n\*)p



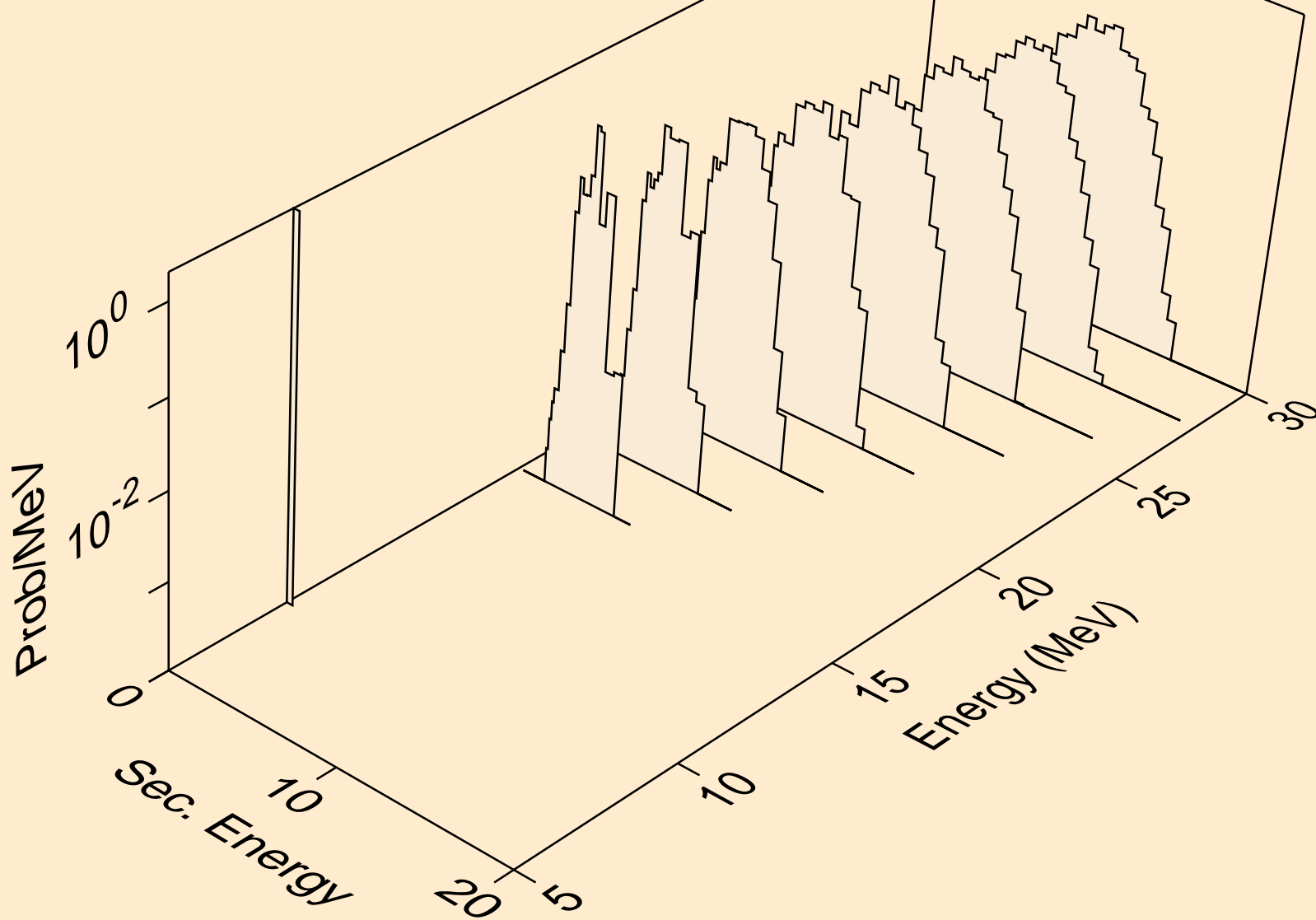
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



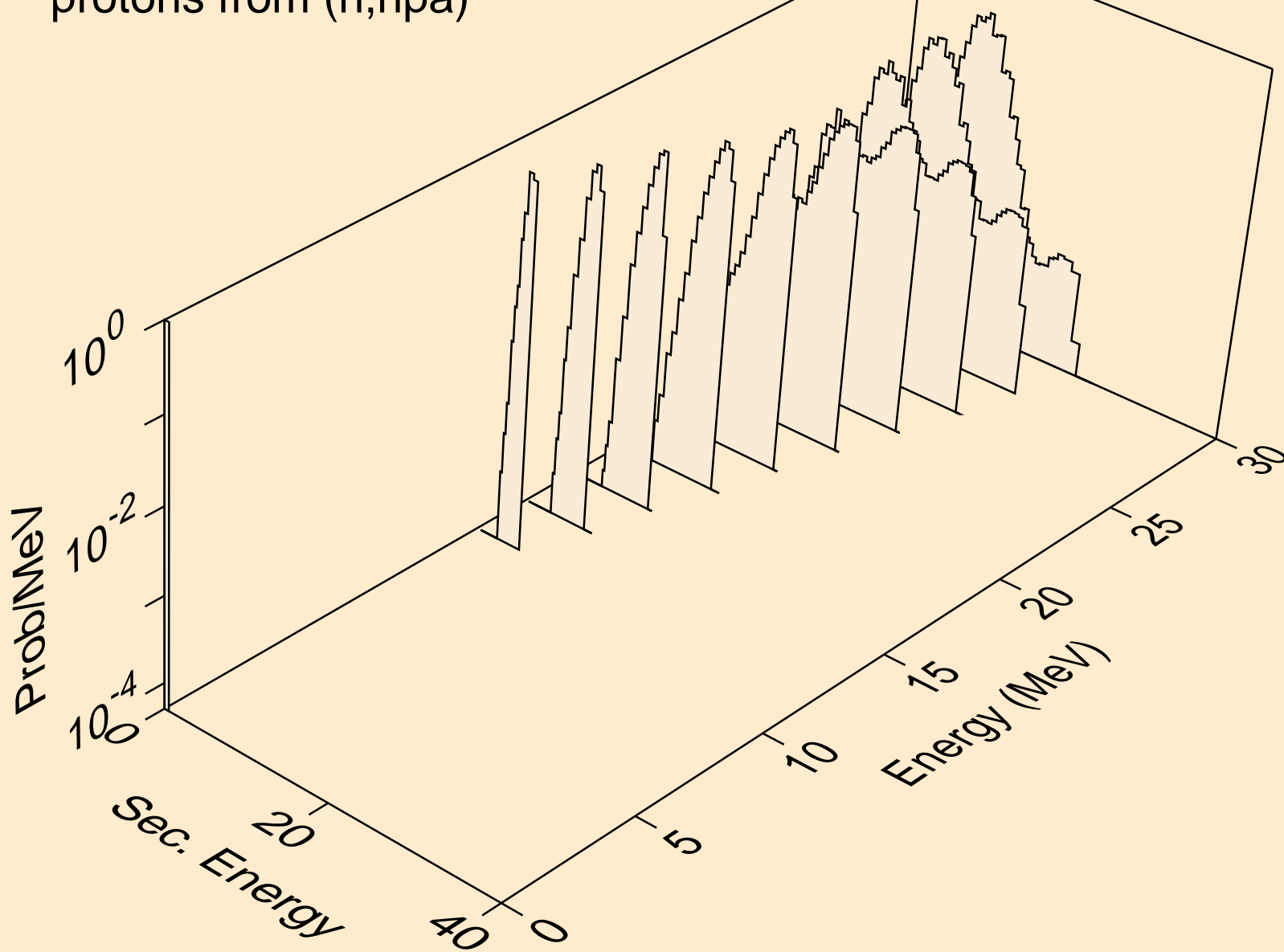
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,3np)



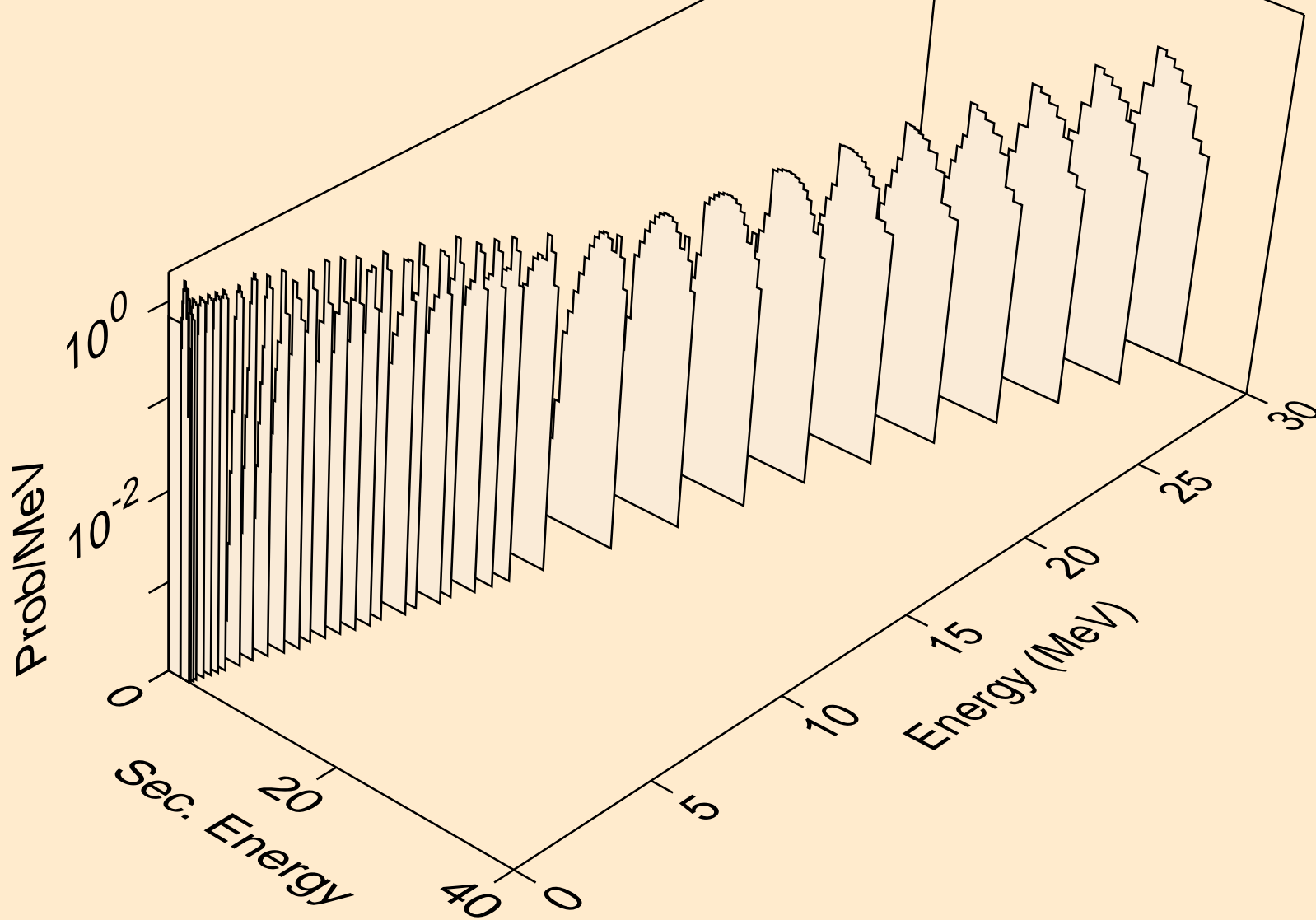
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2np)



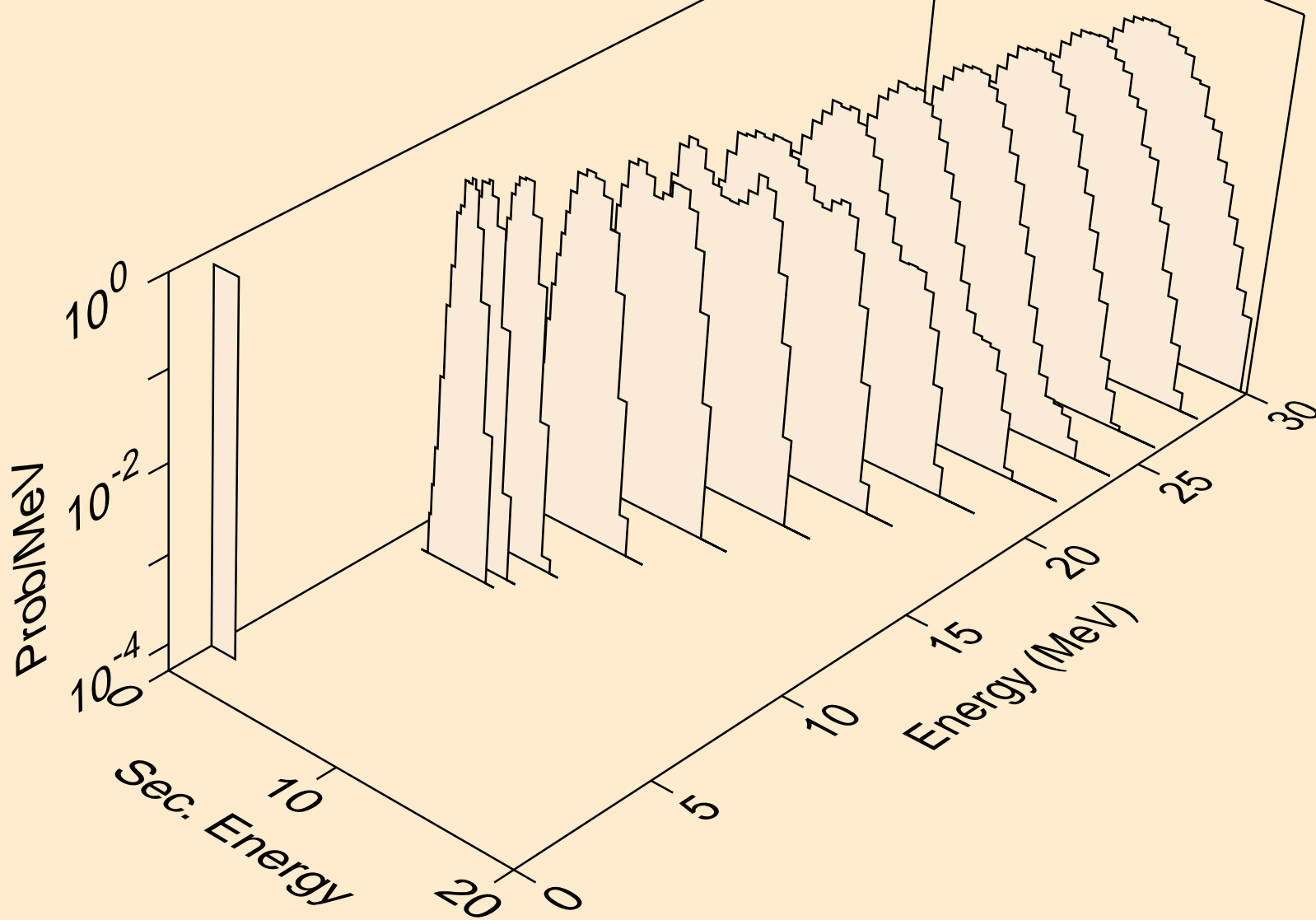
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,npa)



CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)

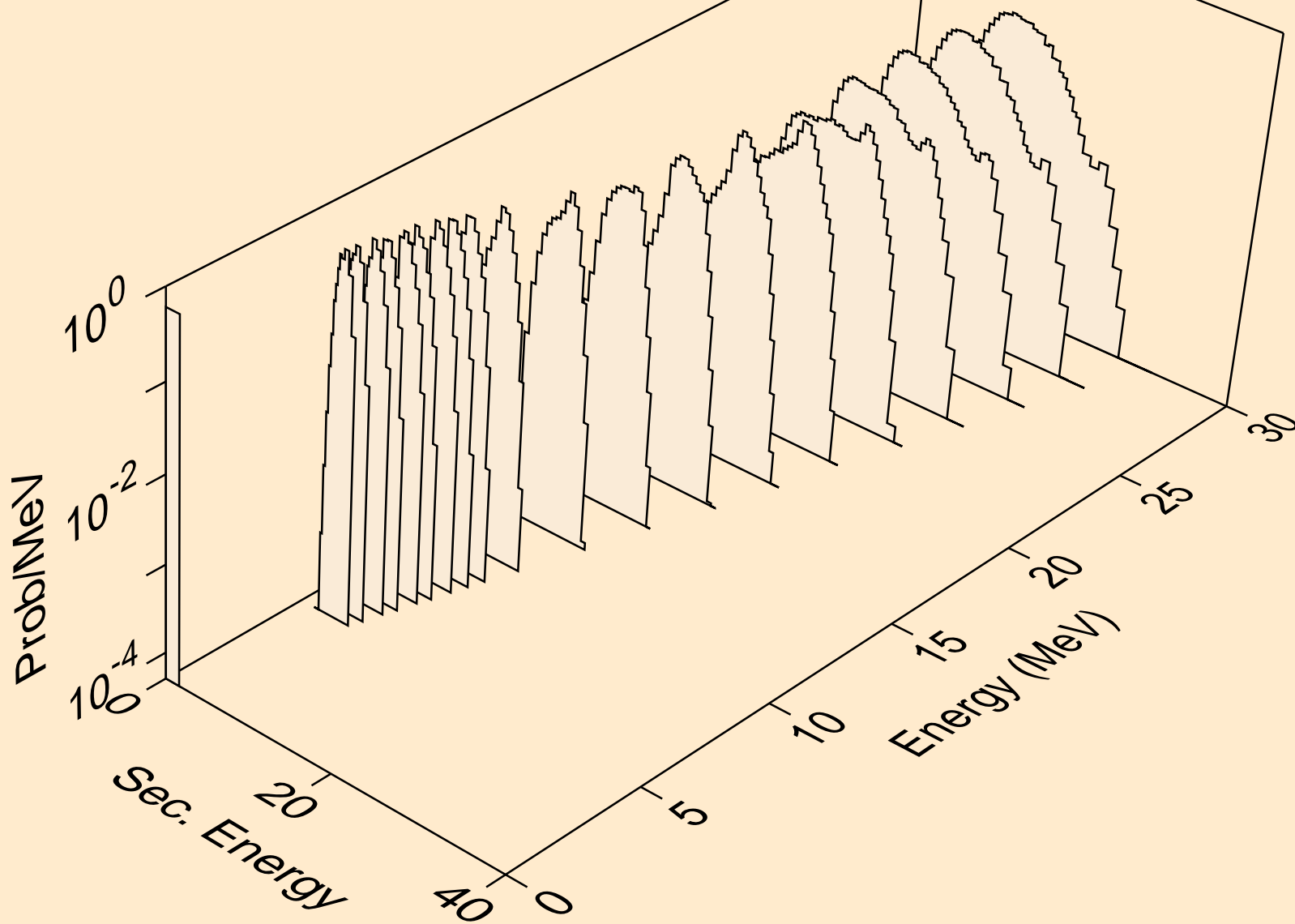


CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,2p)

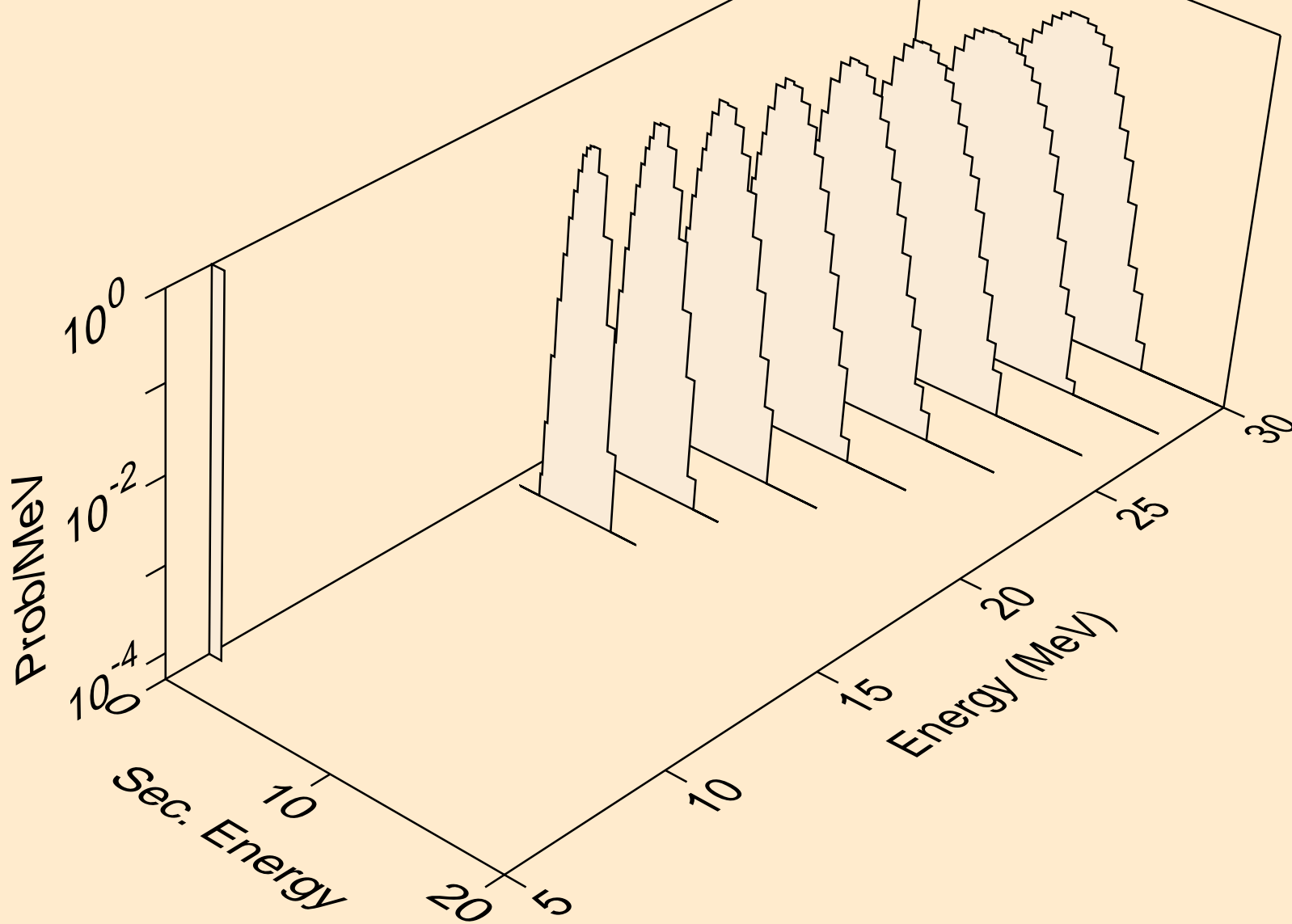




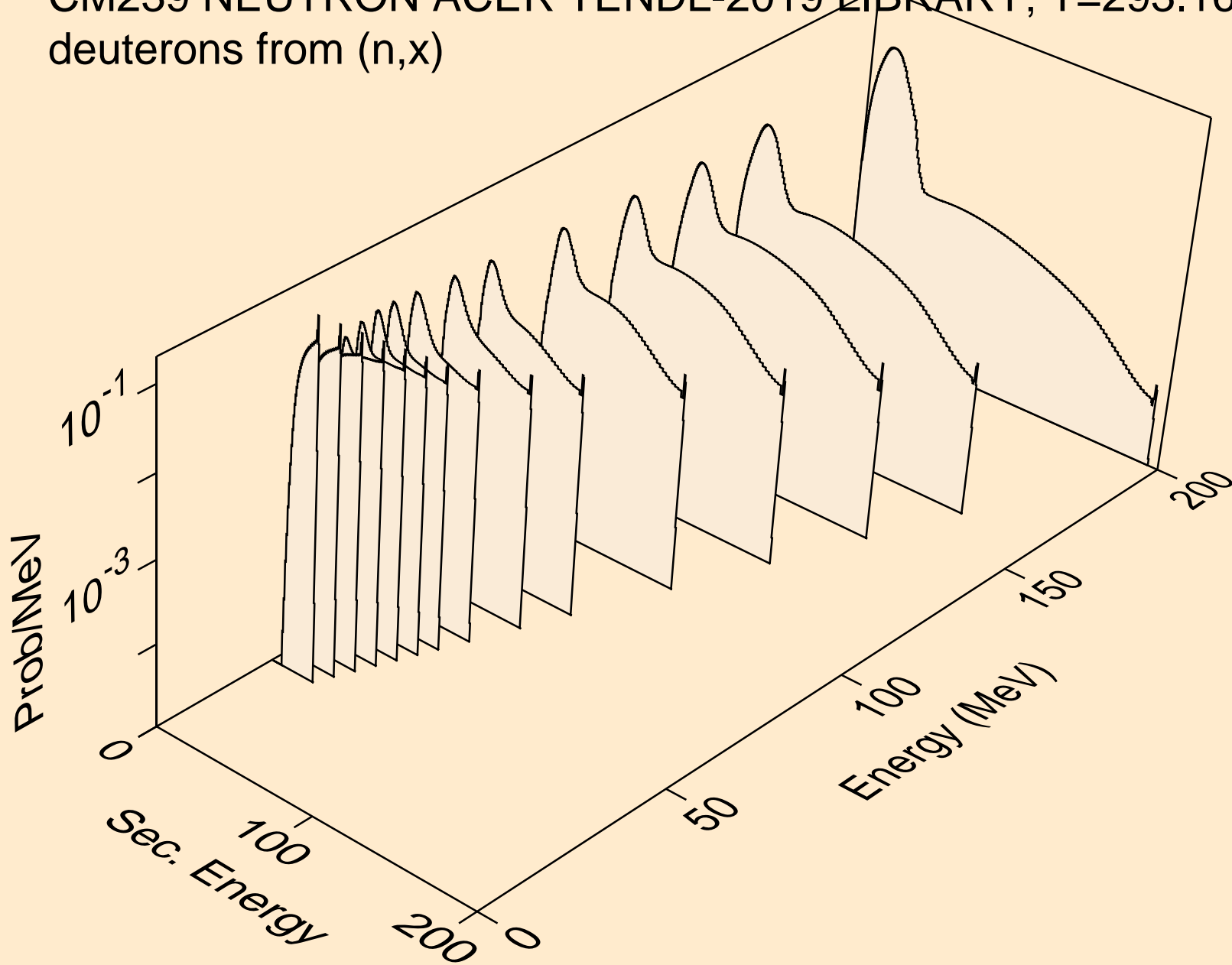
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,p)



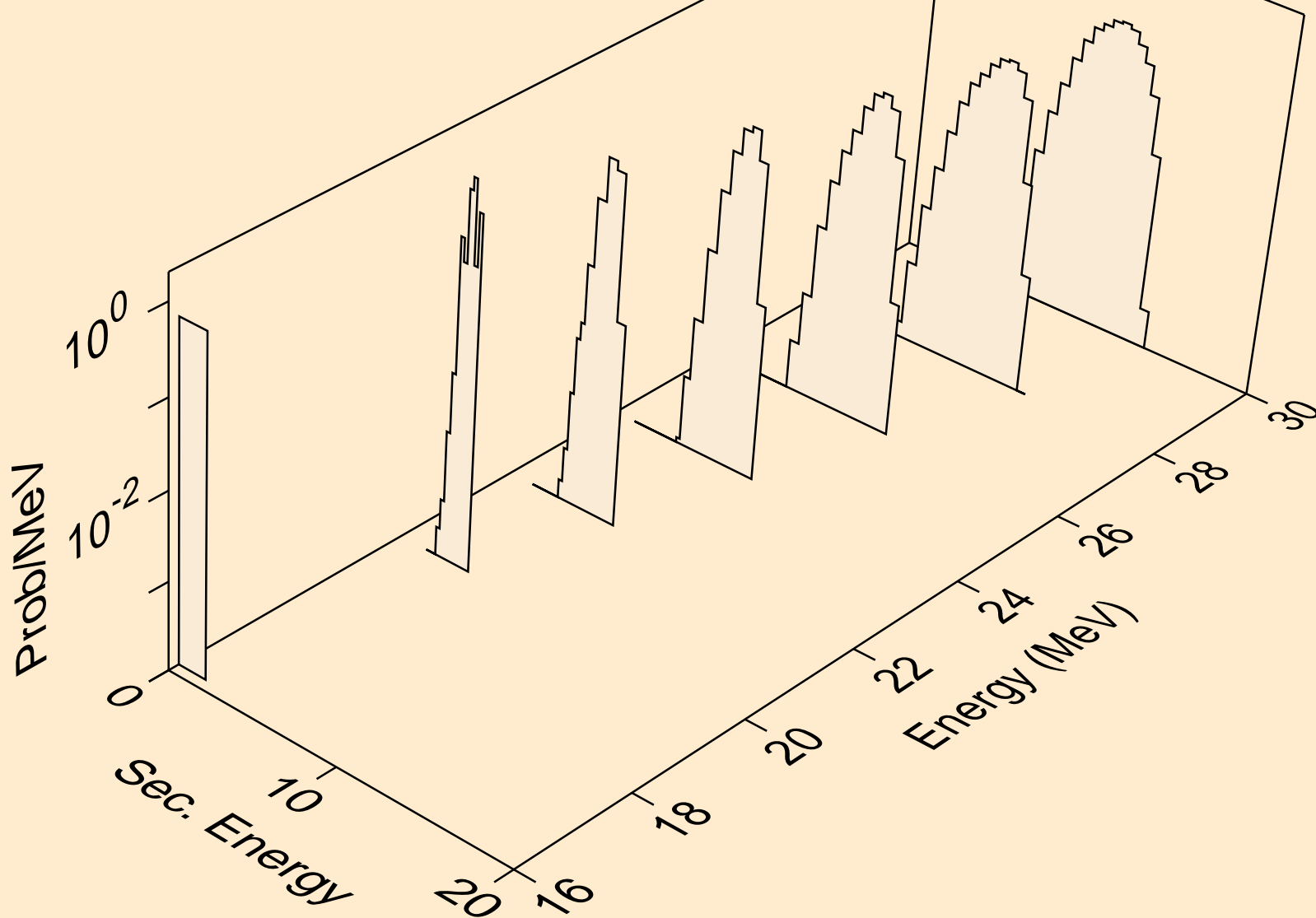
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
protons from (n,pd)



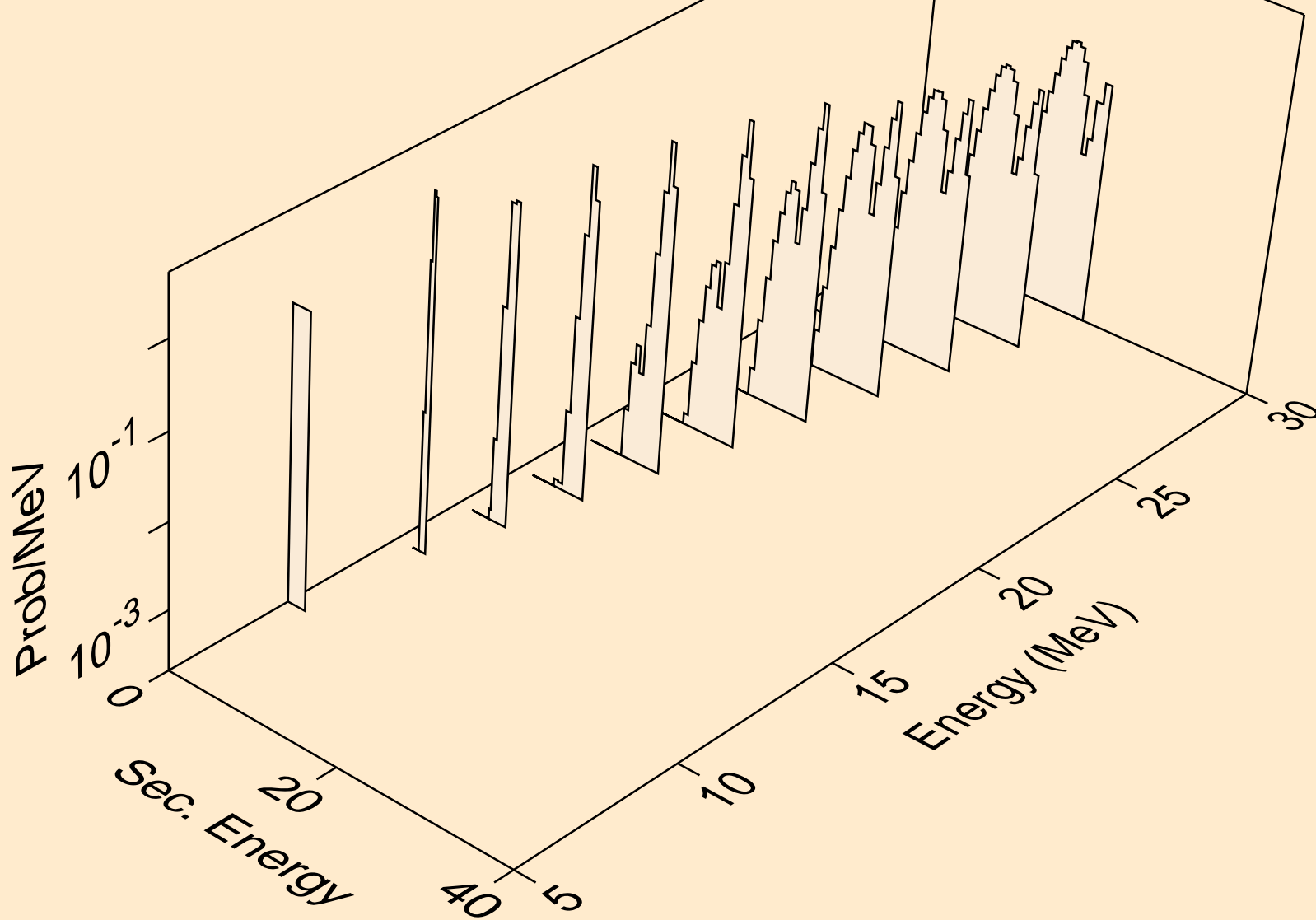
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,x)



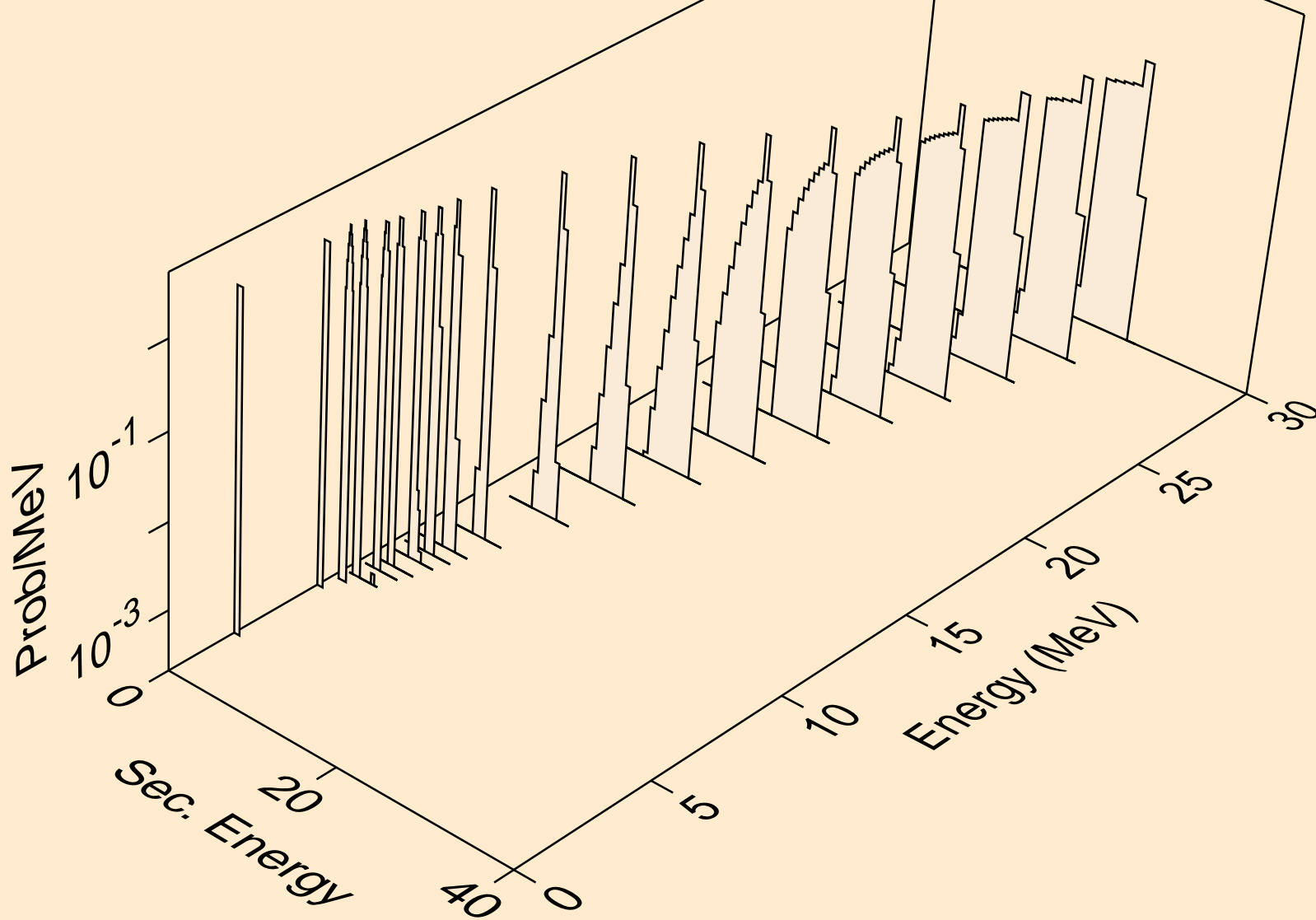
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,2nd)



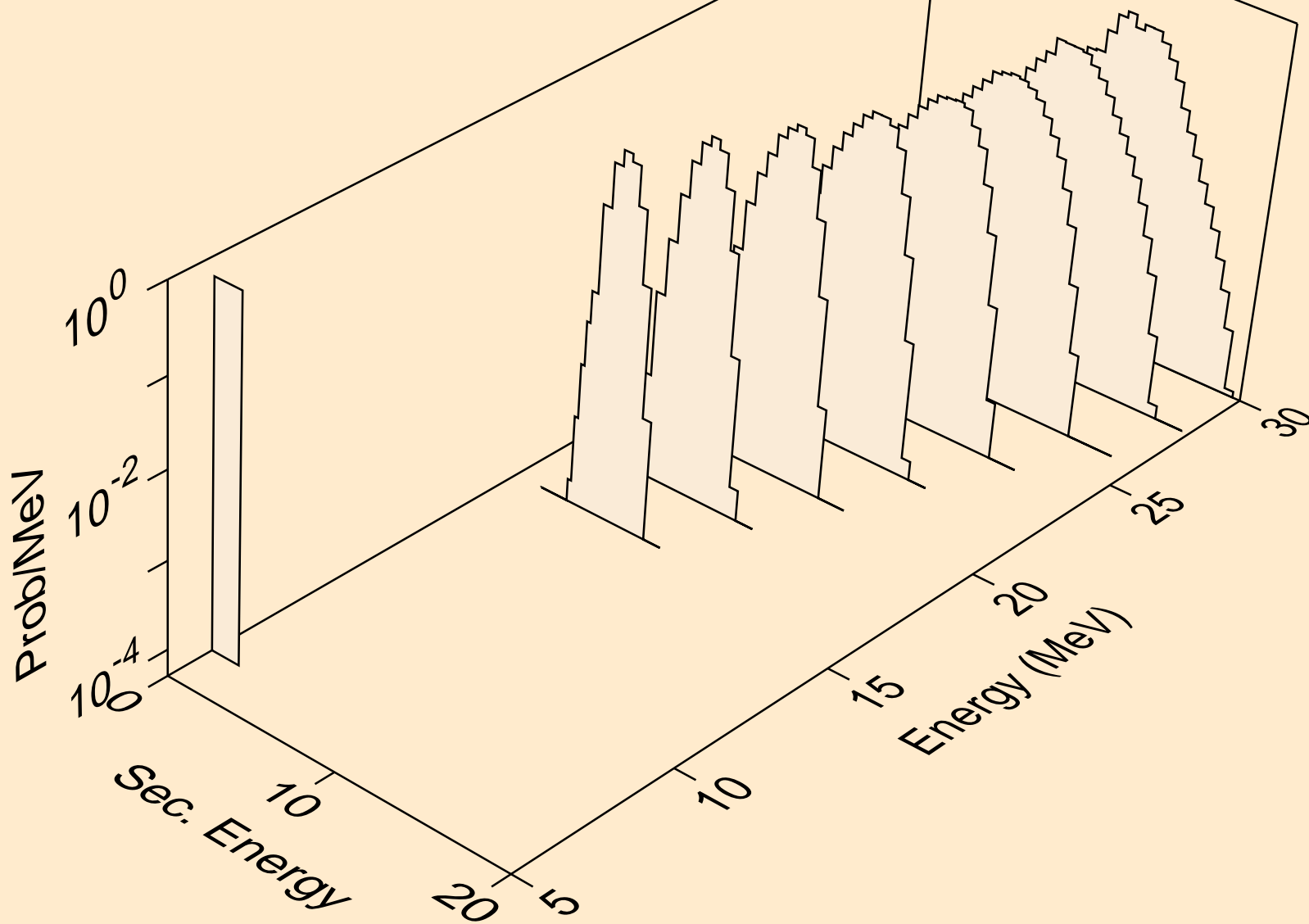
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,n\*)d



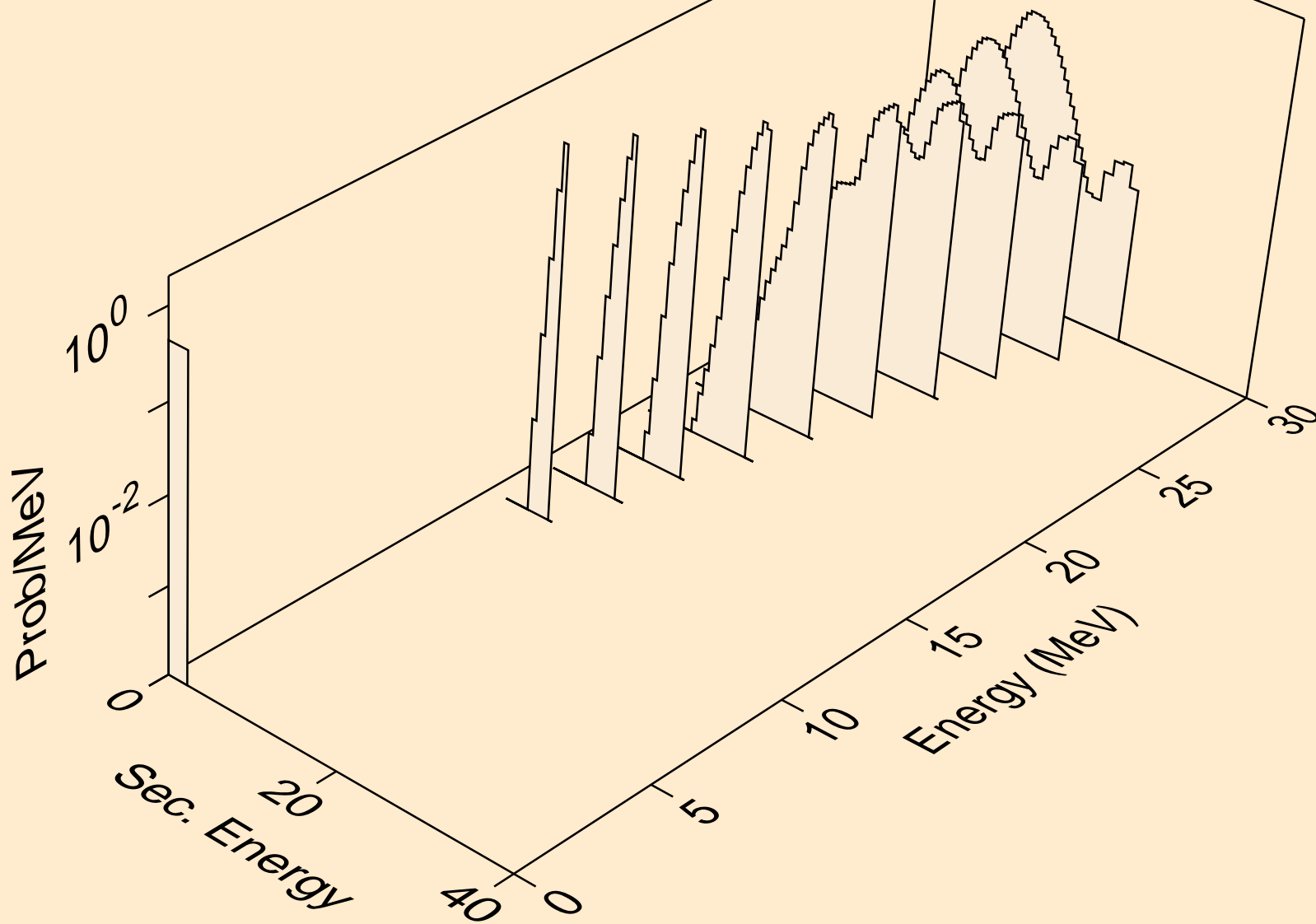
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,d)



CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,pd)

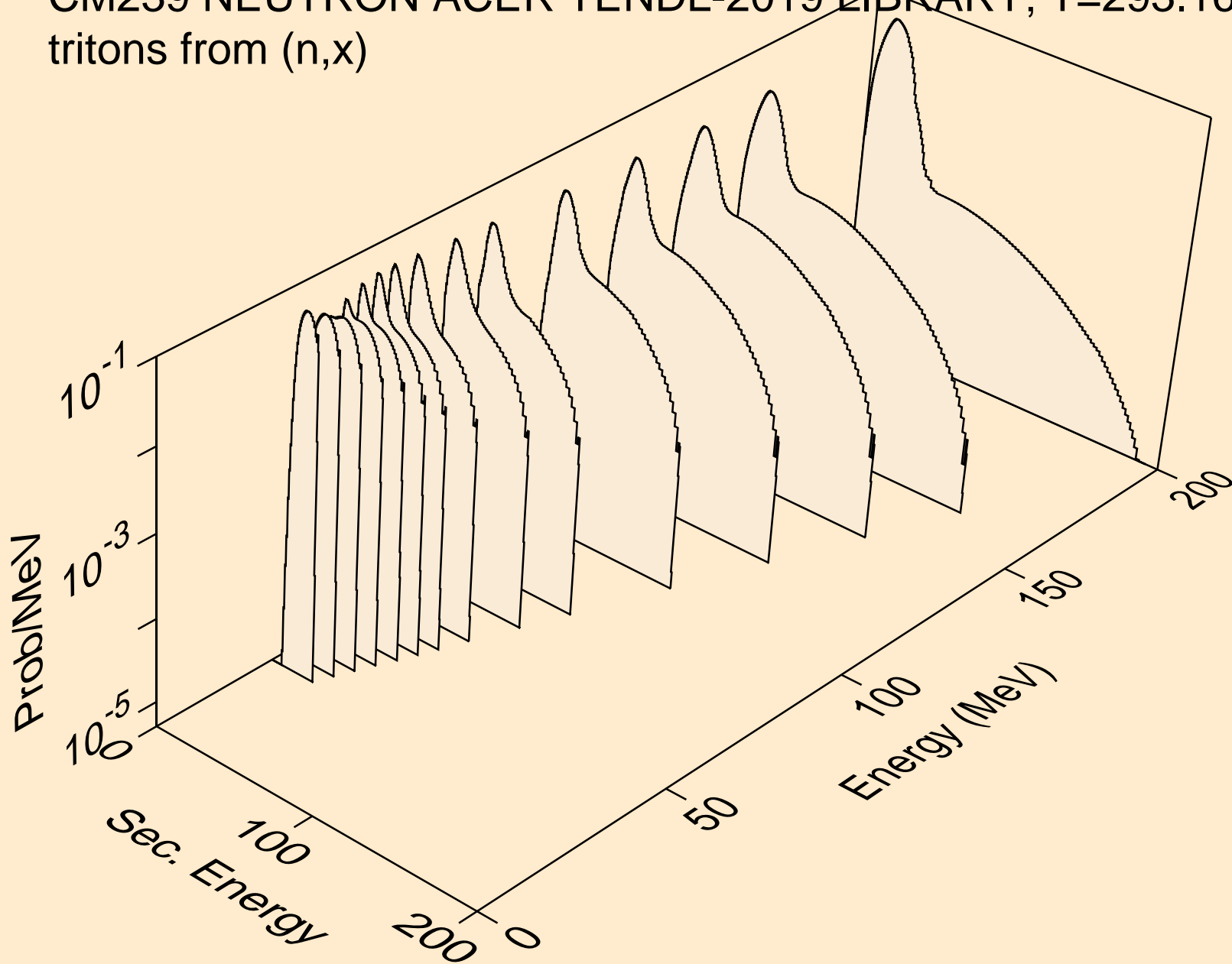


CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
deuterons from (n,da)

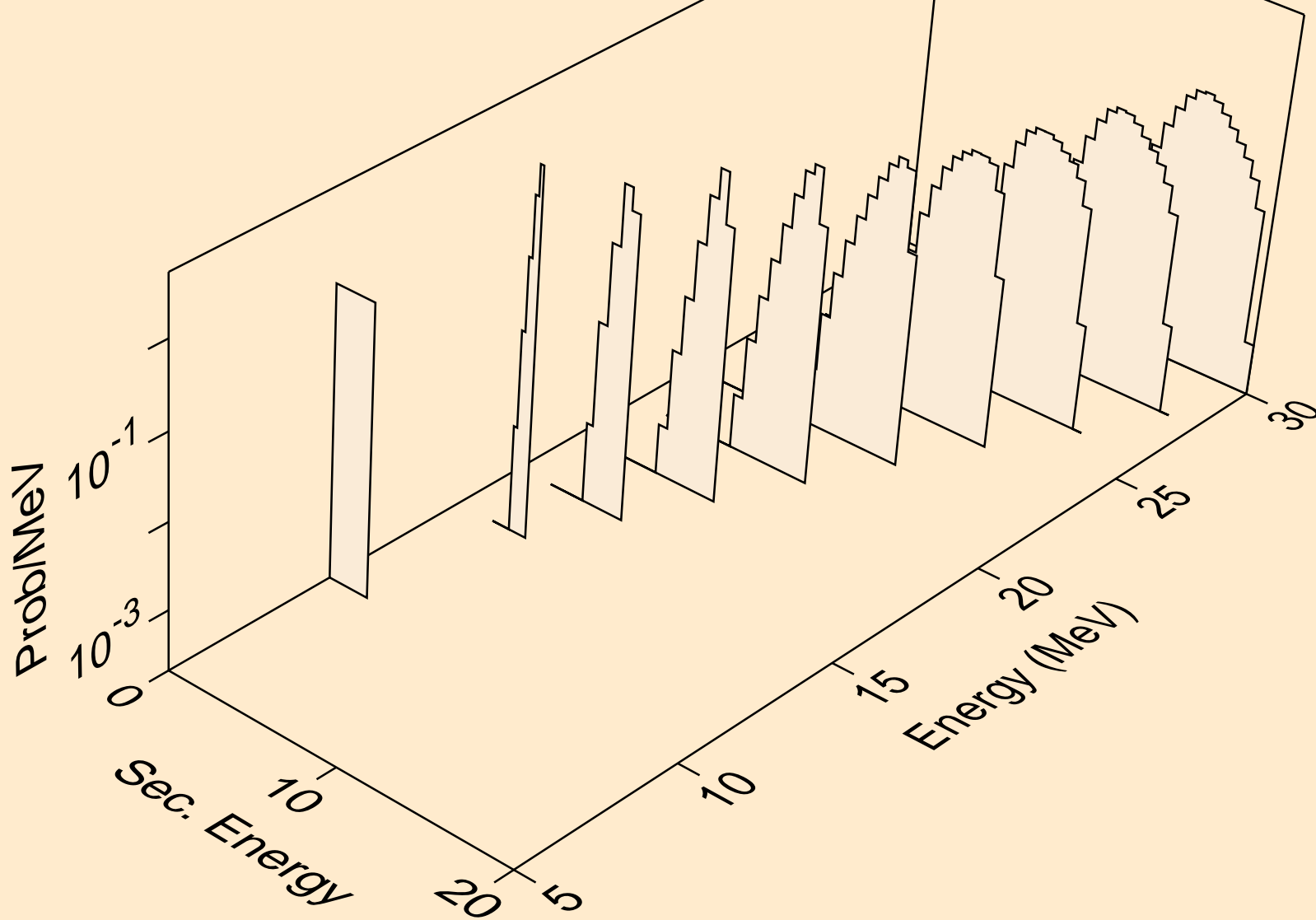




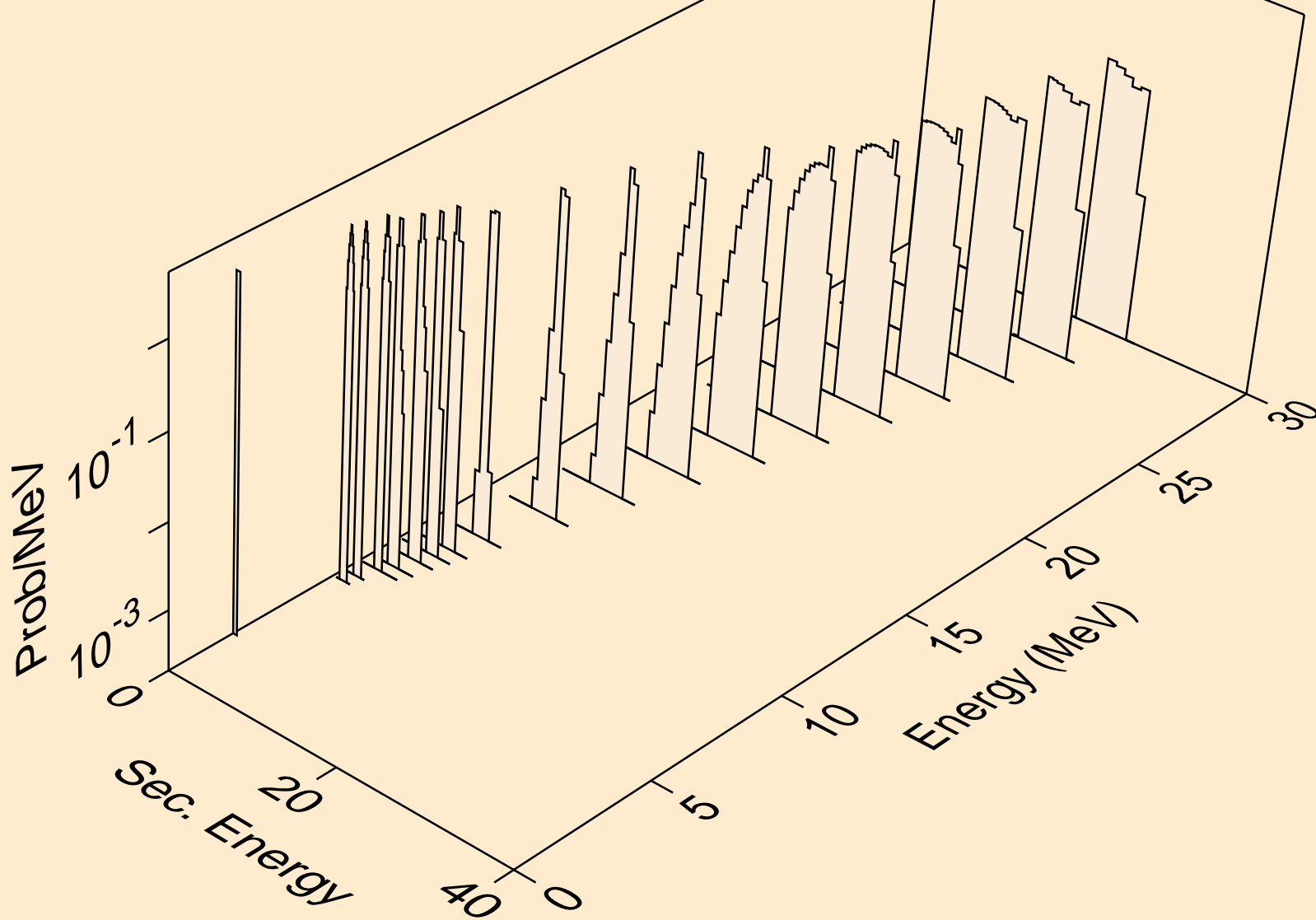
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,x)



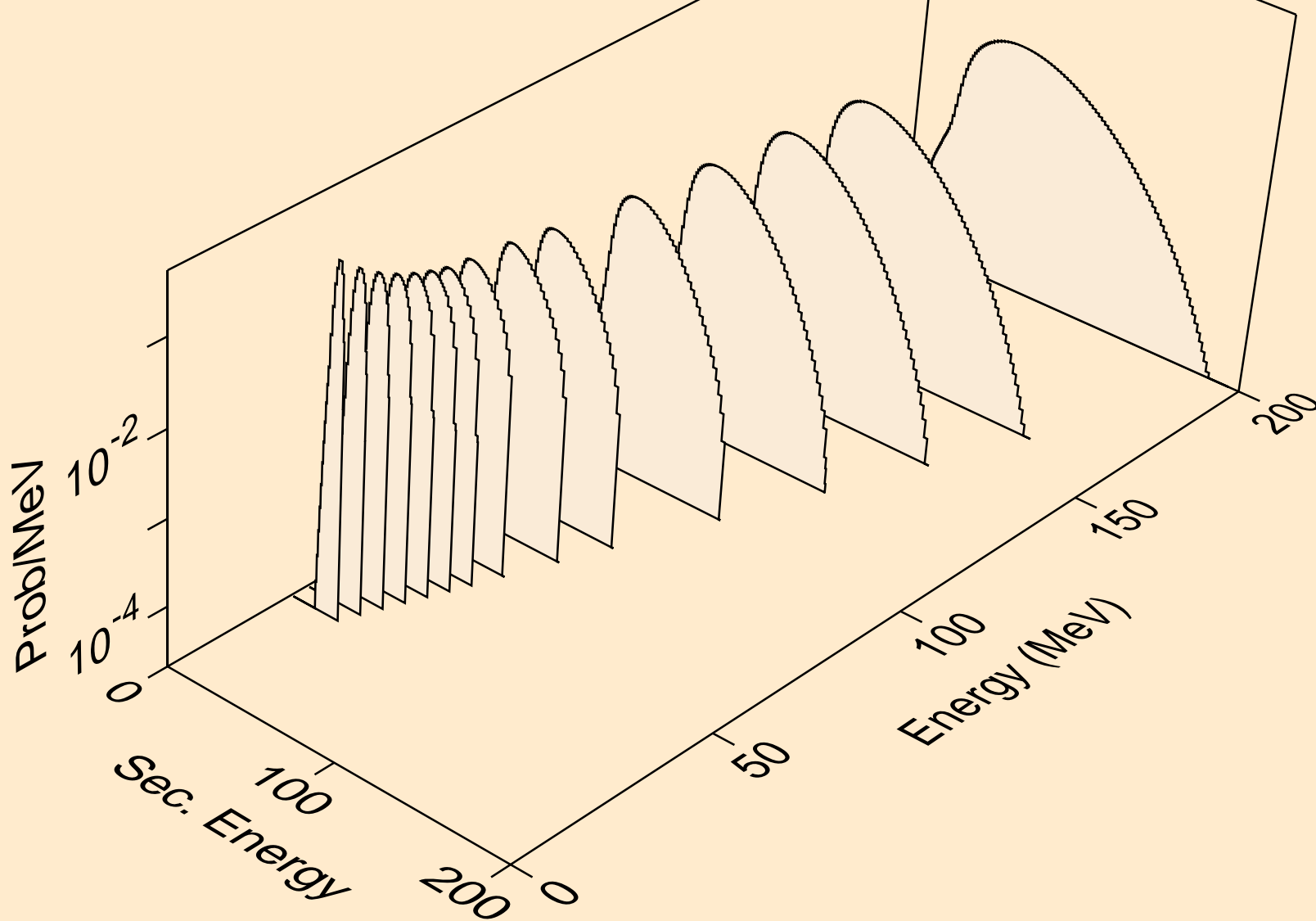
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,n\*)t



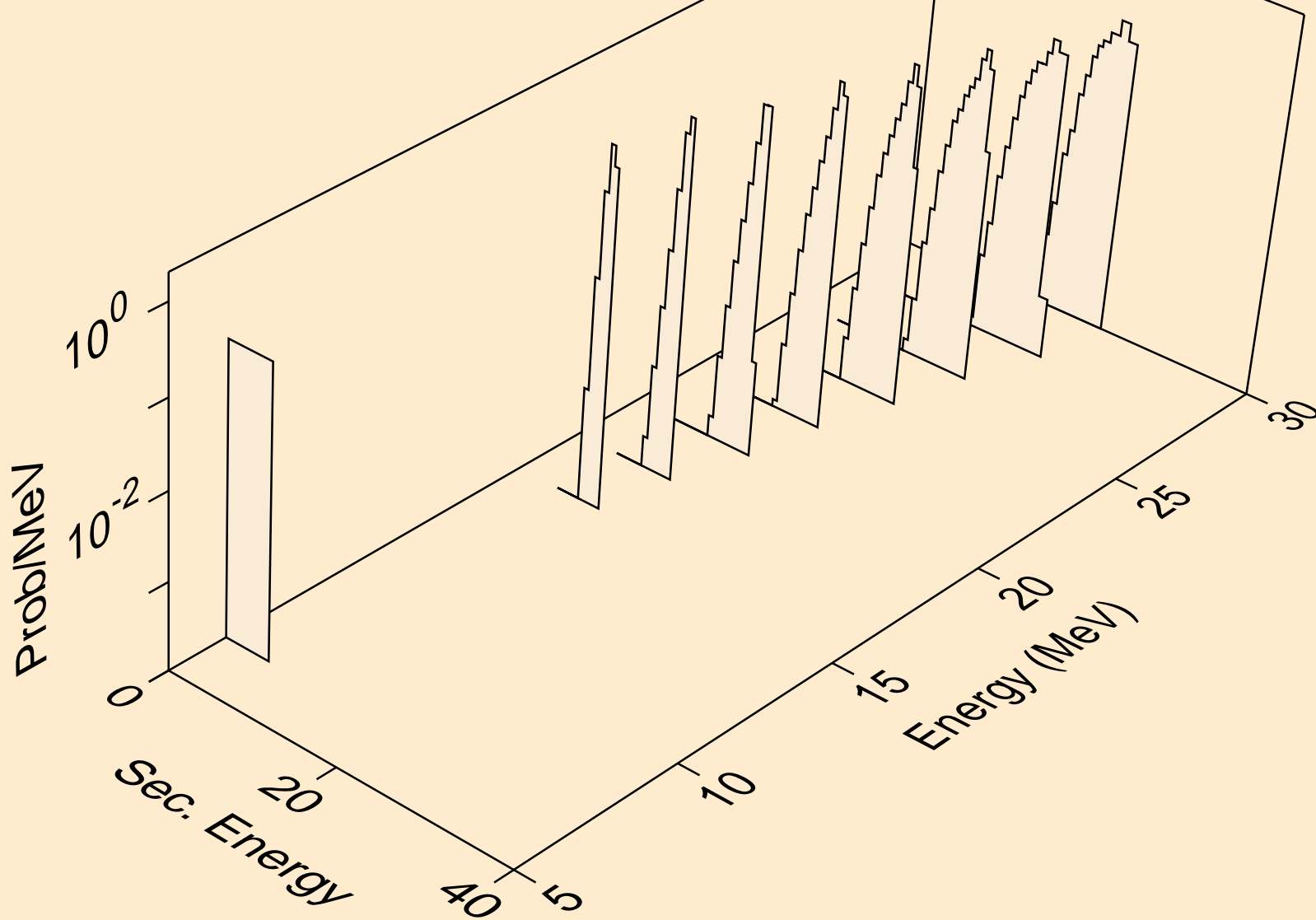
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
tritons from (n,t)



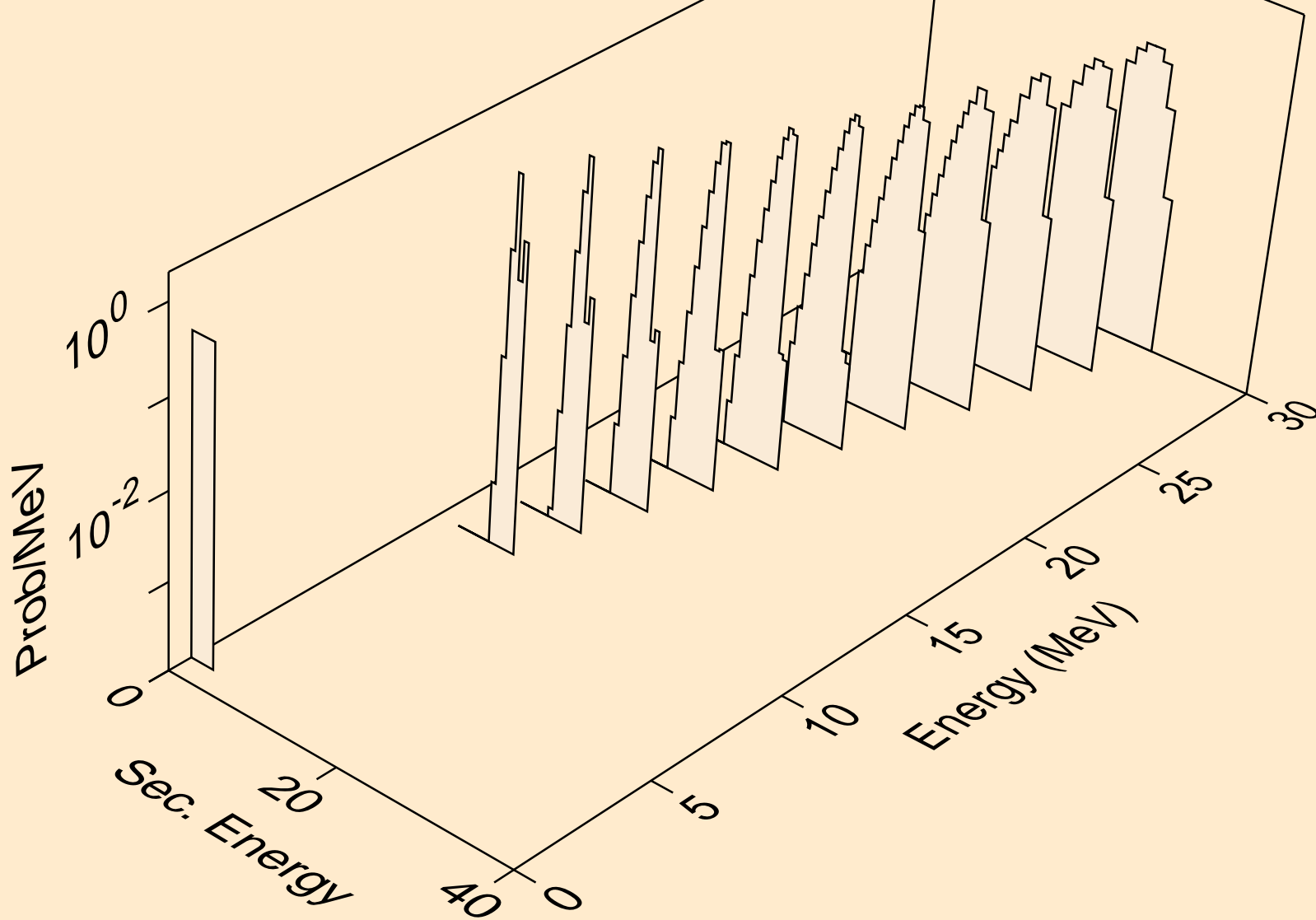
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,x)



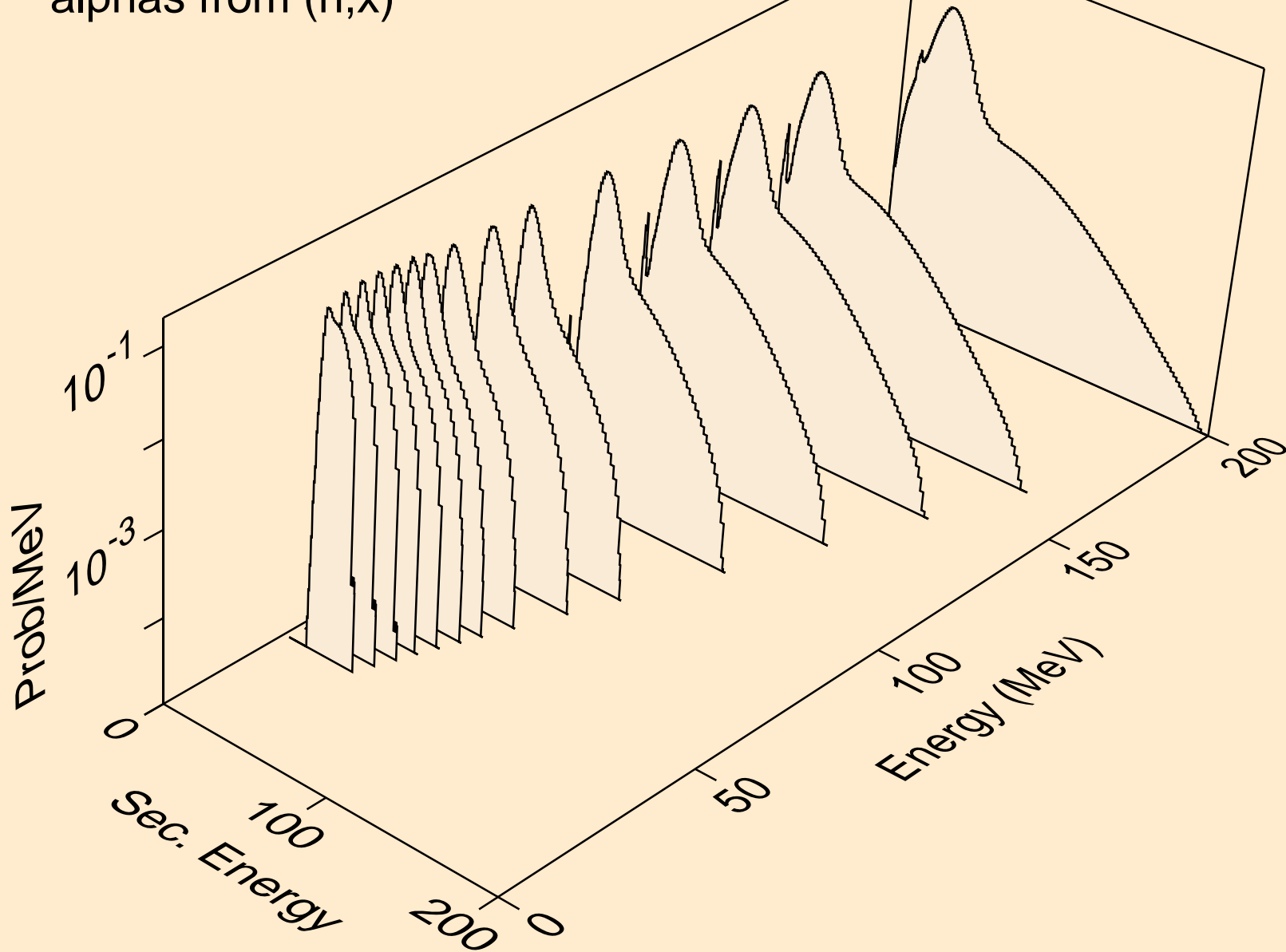
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,n\*)he3



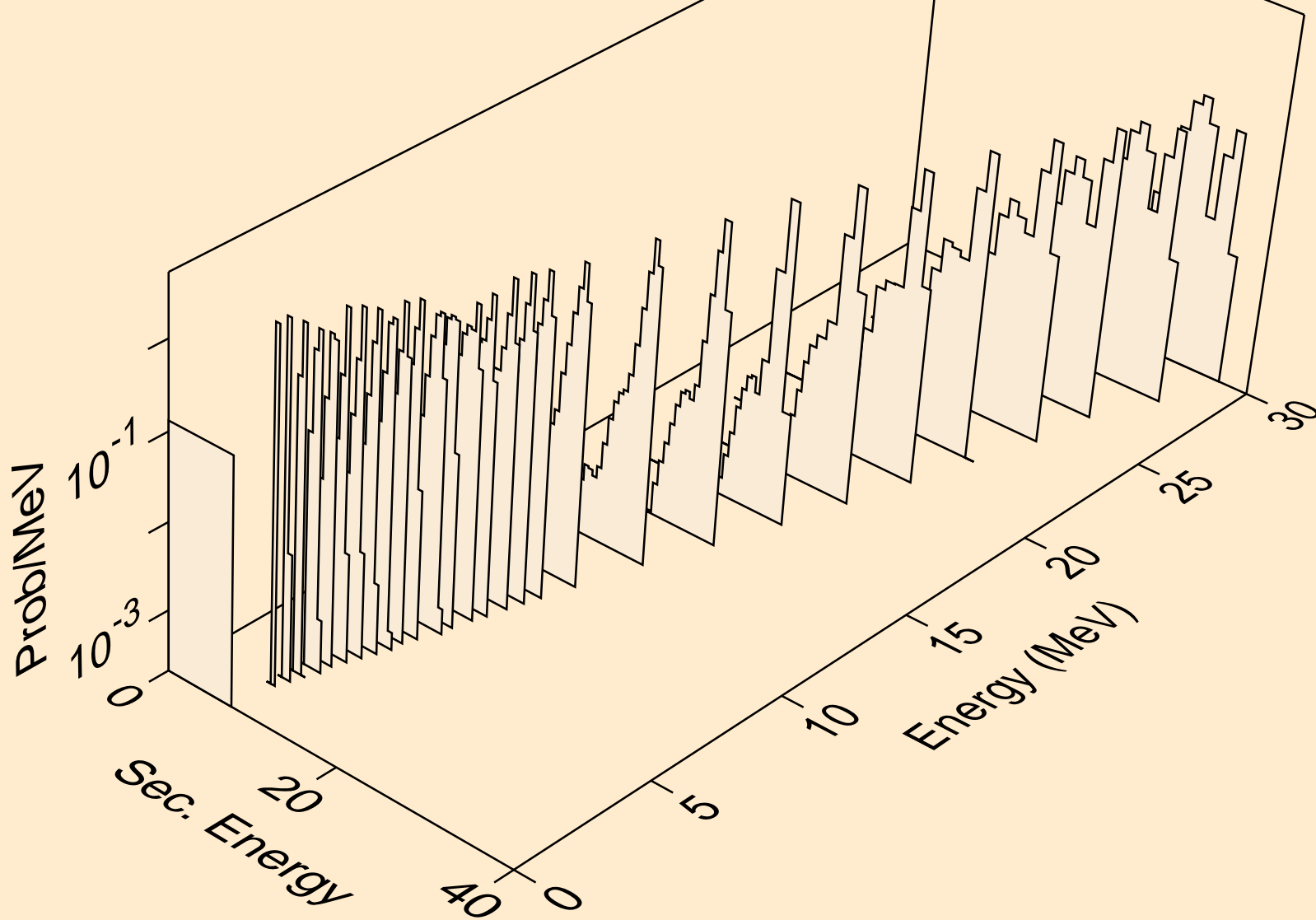
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
he3s from (n,he3)



CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,x)

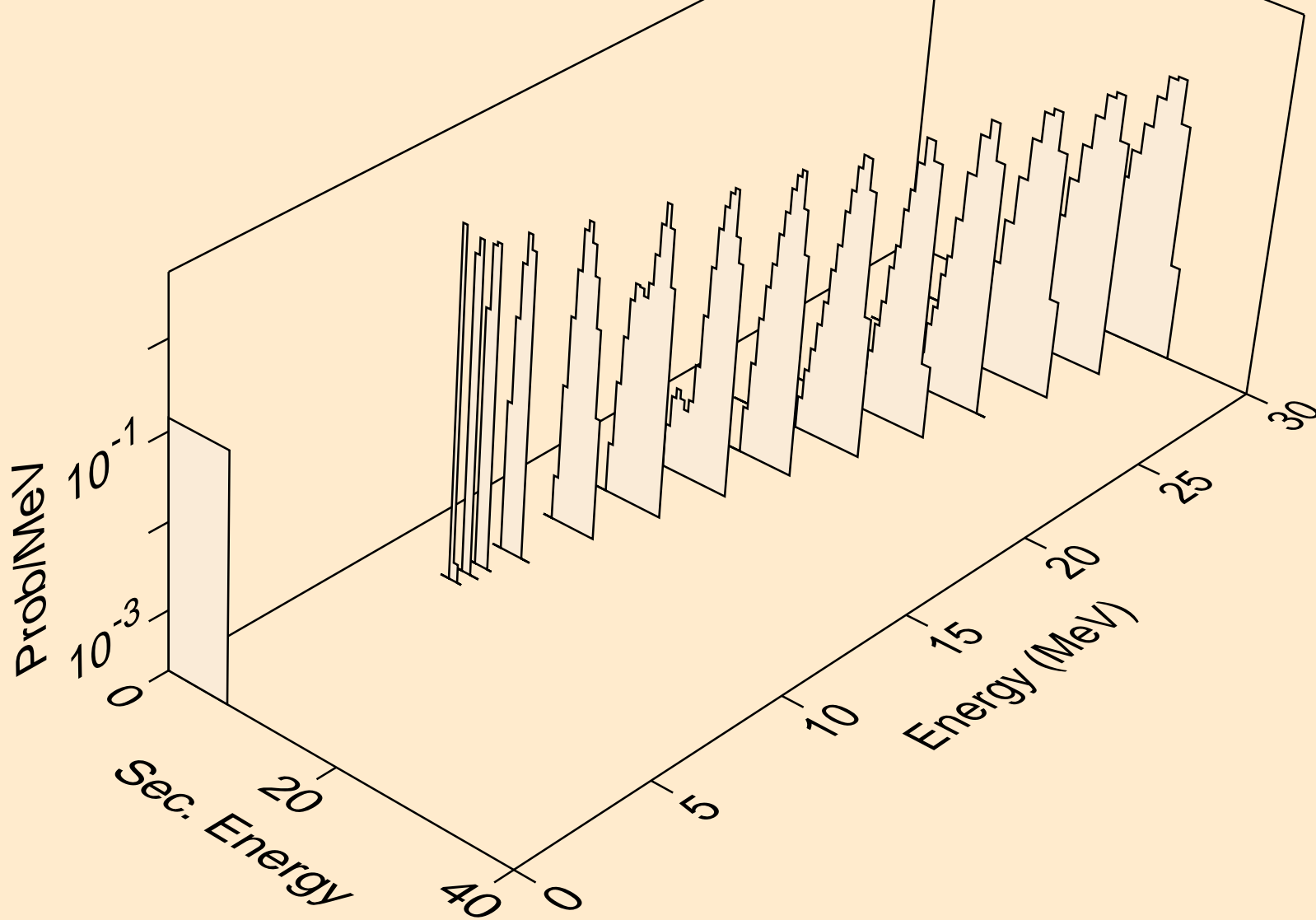


CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)a

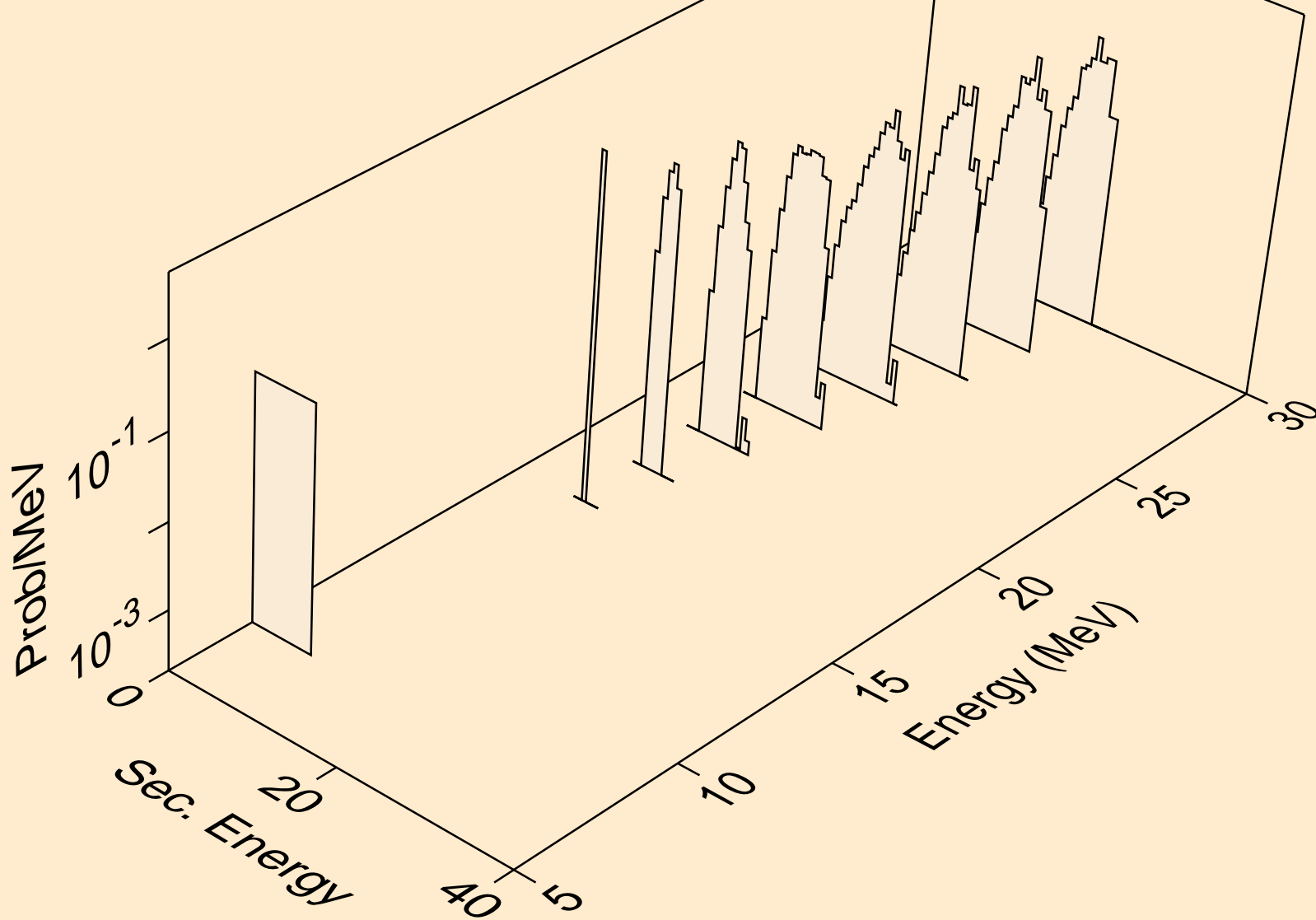




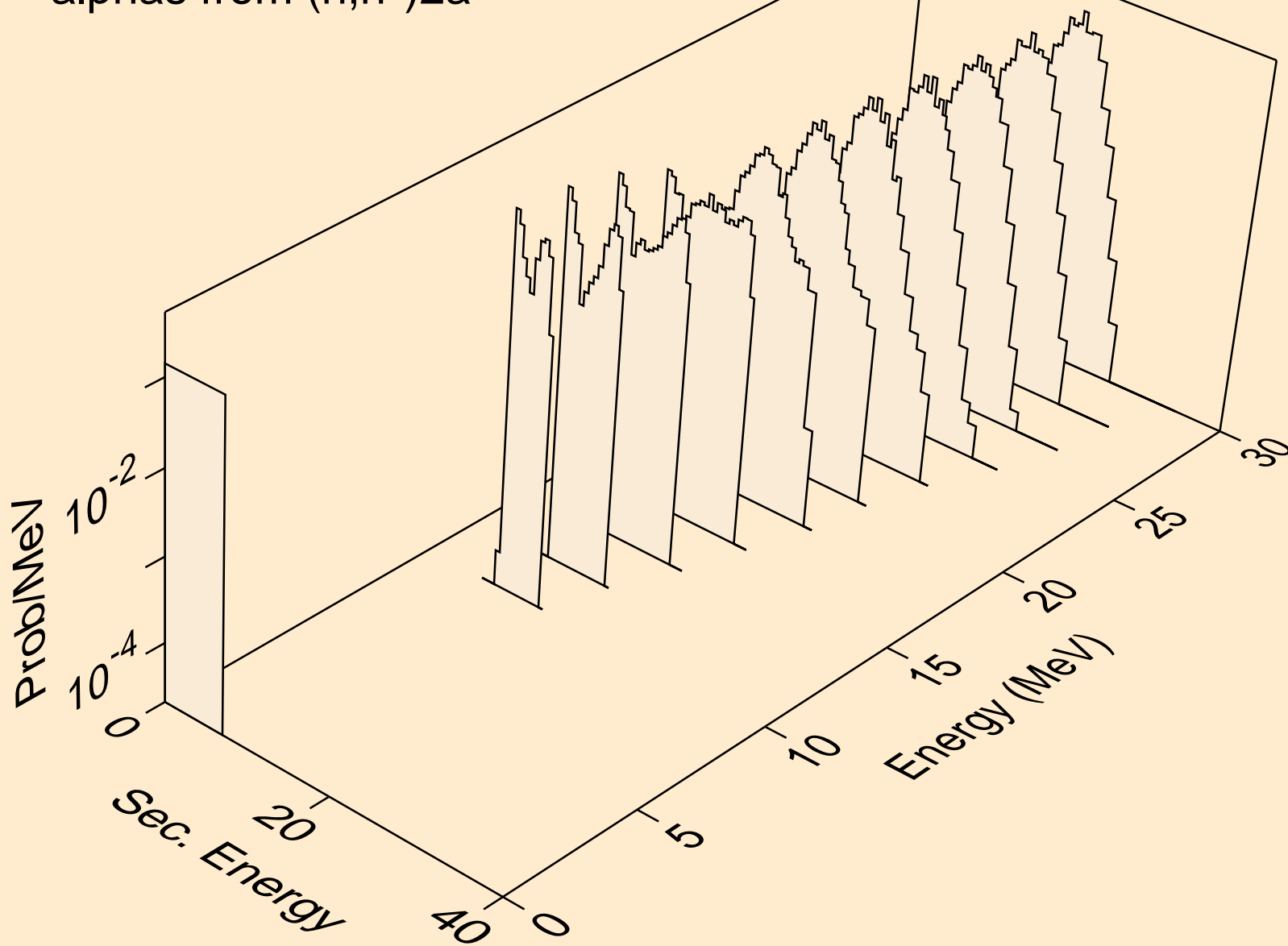
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2n)a



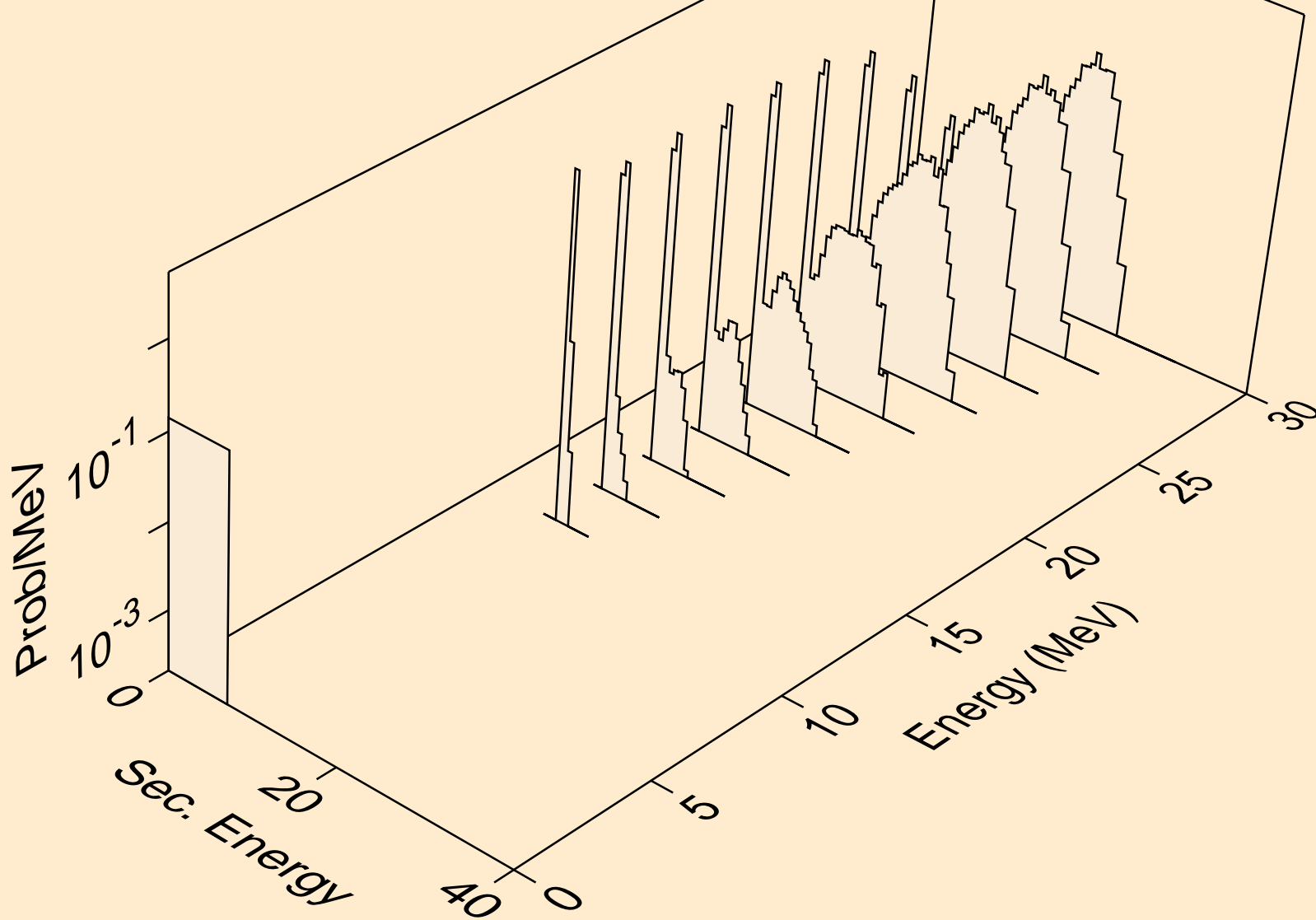
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,3n)a



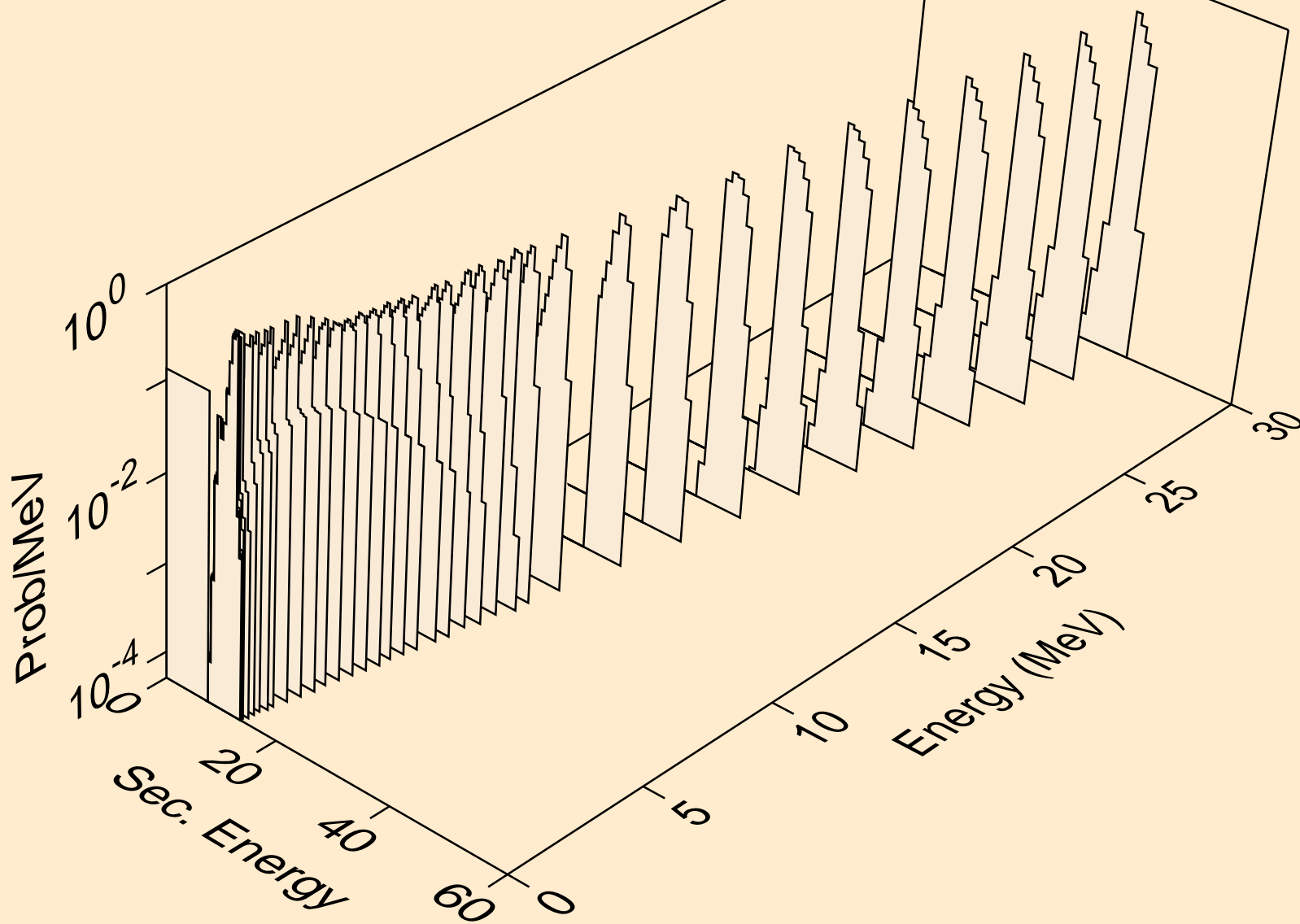
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,n\*)2a



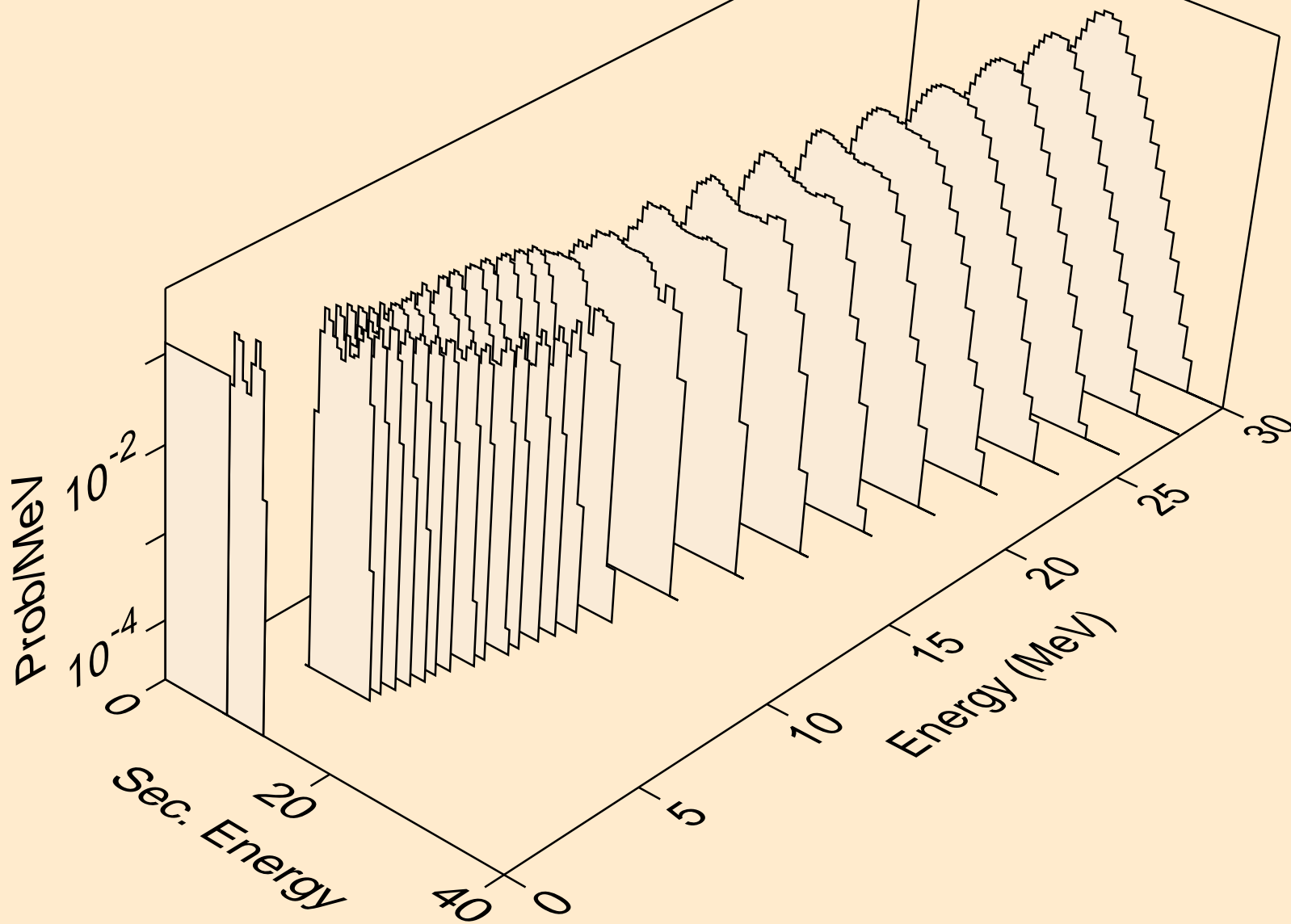
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,npa)



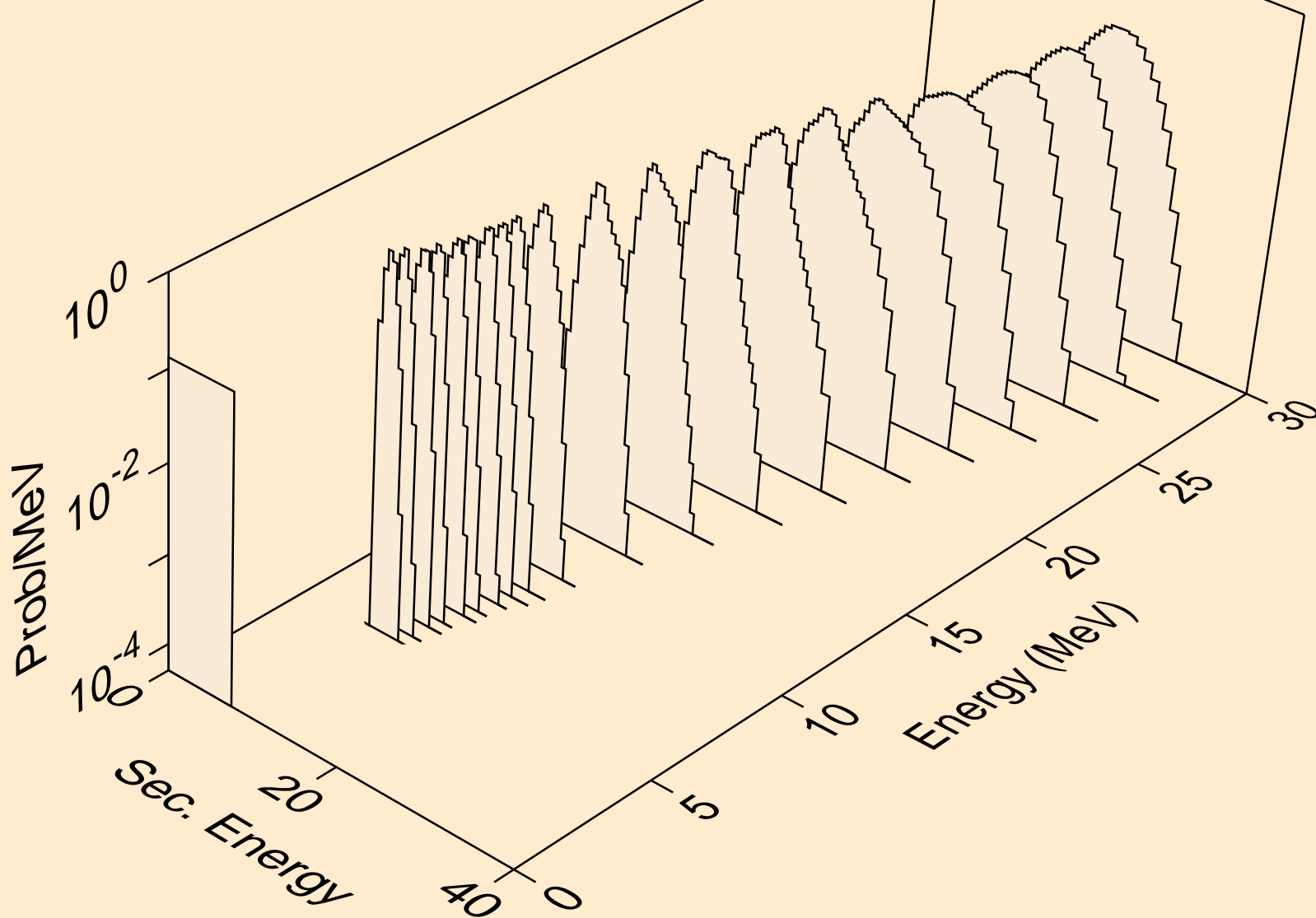
CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,a)



CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,2a)



CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,pa)



CM239 NEUTRON ACER TENDL-2019 LIBRARY; T=293.16K  
alphas from (n,da)

