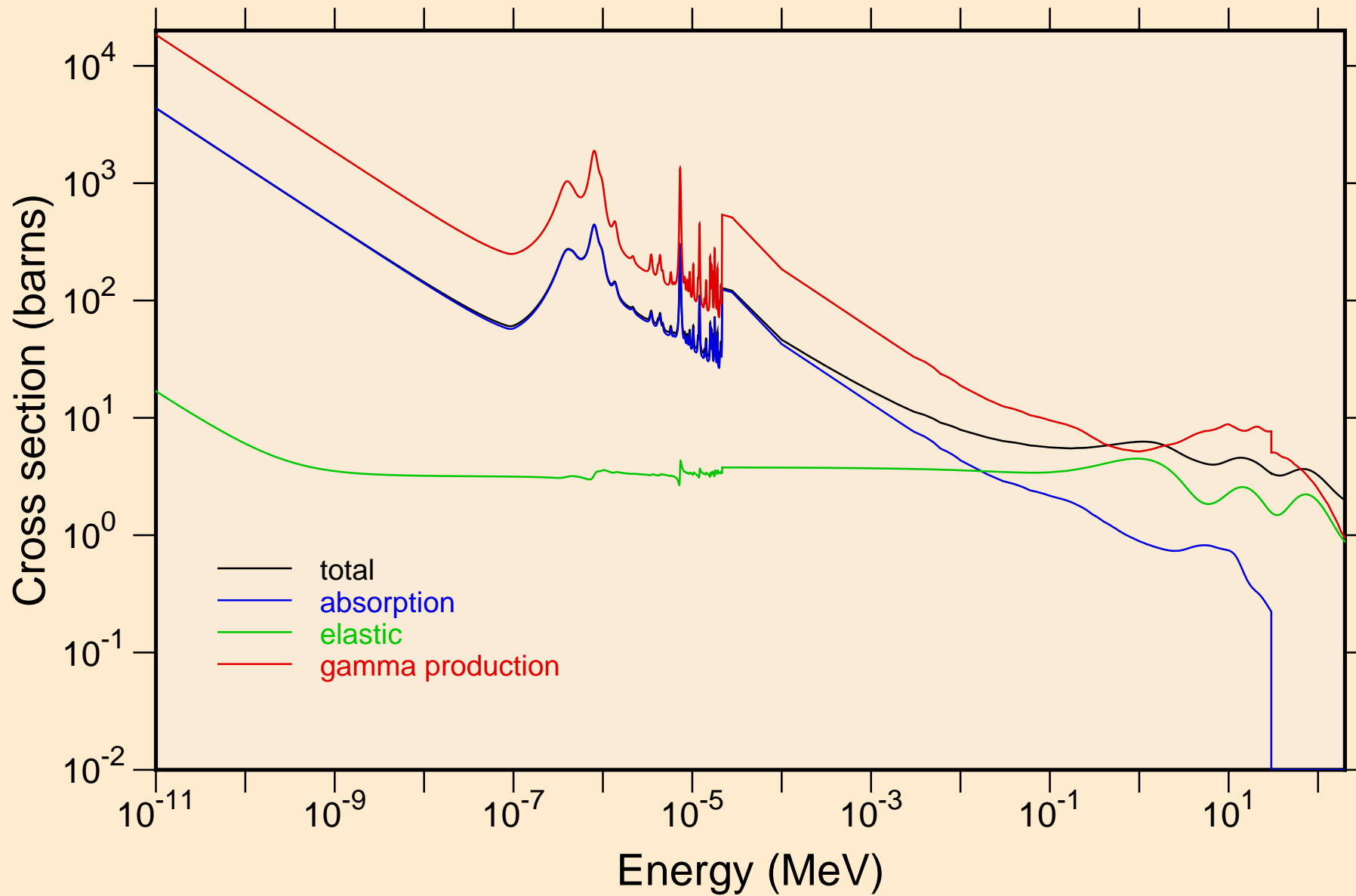
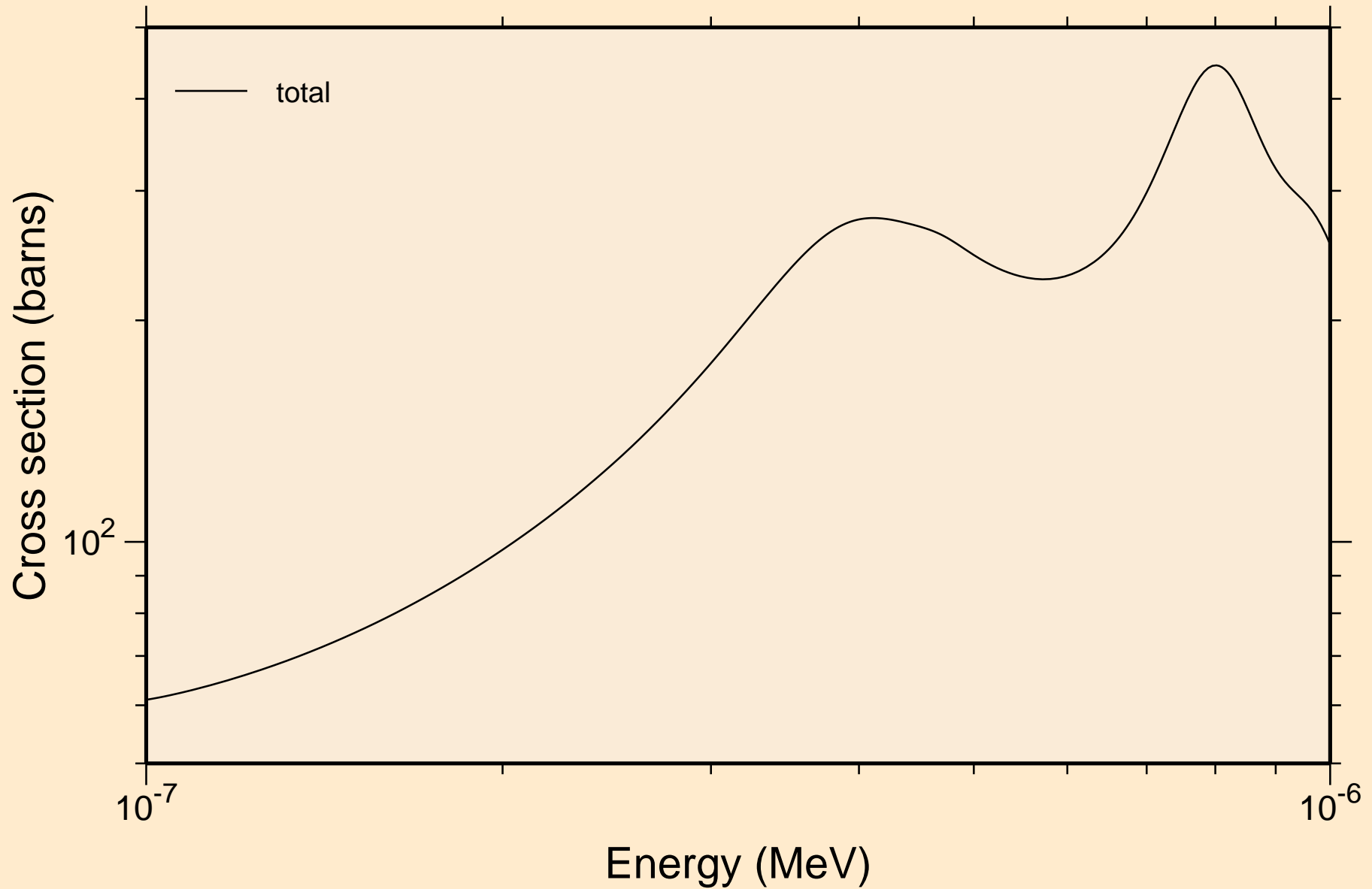


# XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

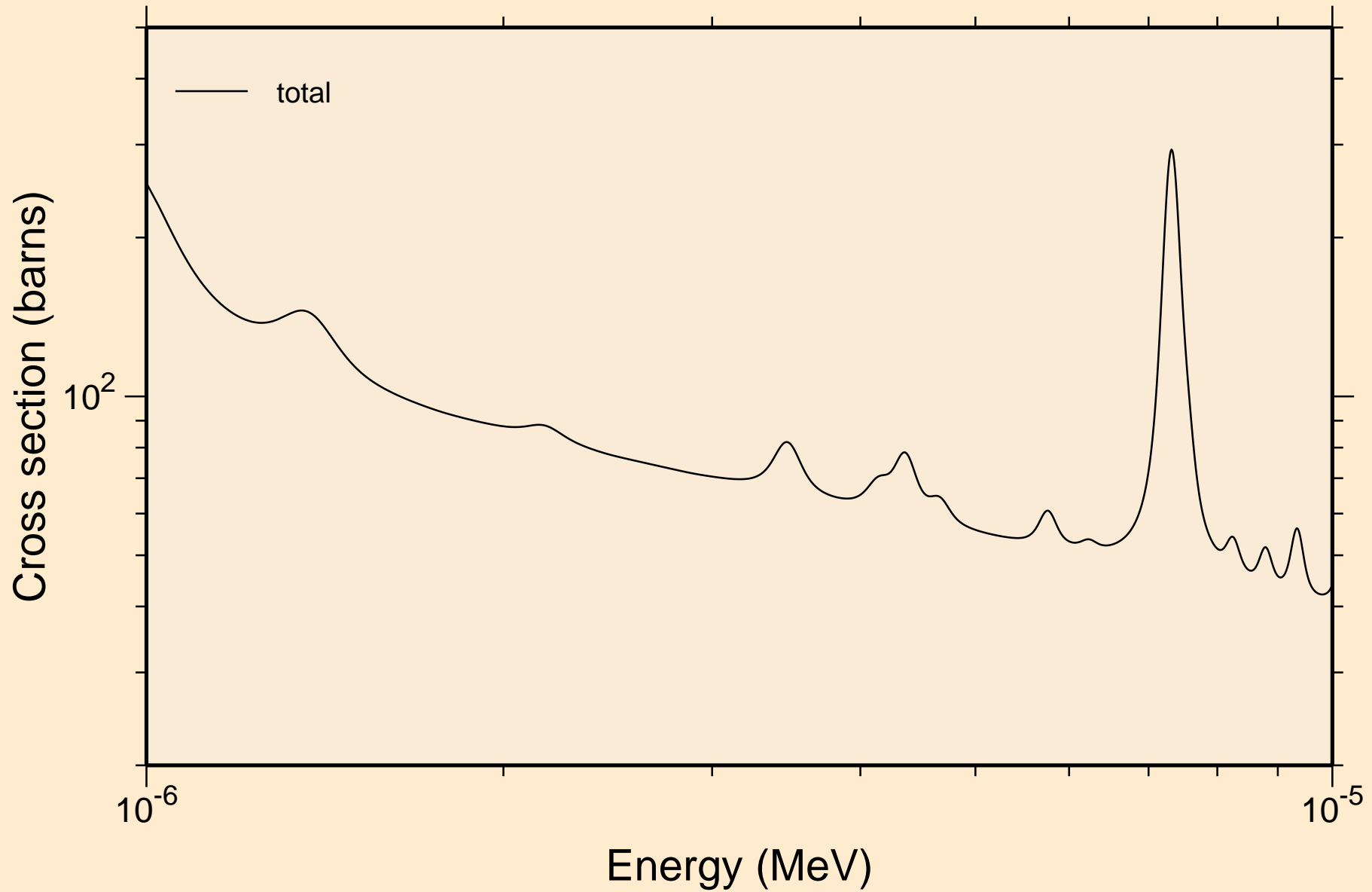
## Principal cross sections



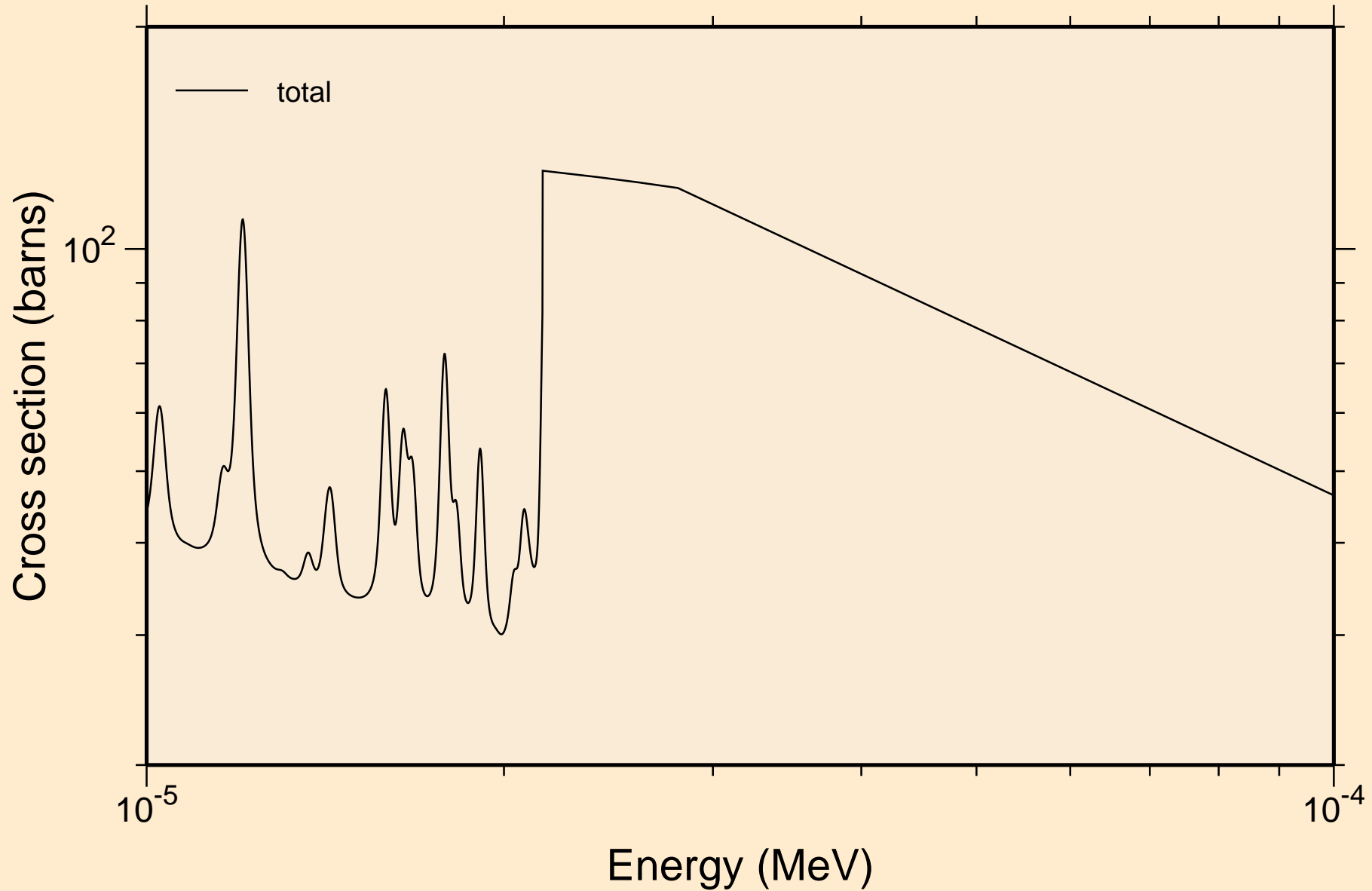
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



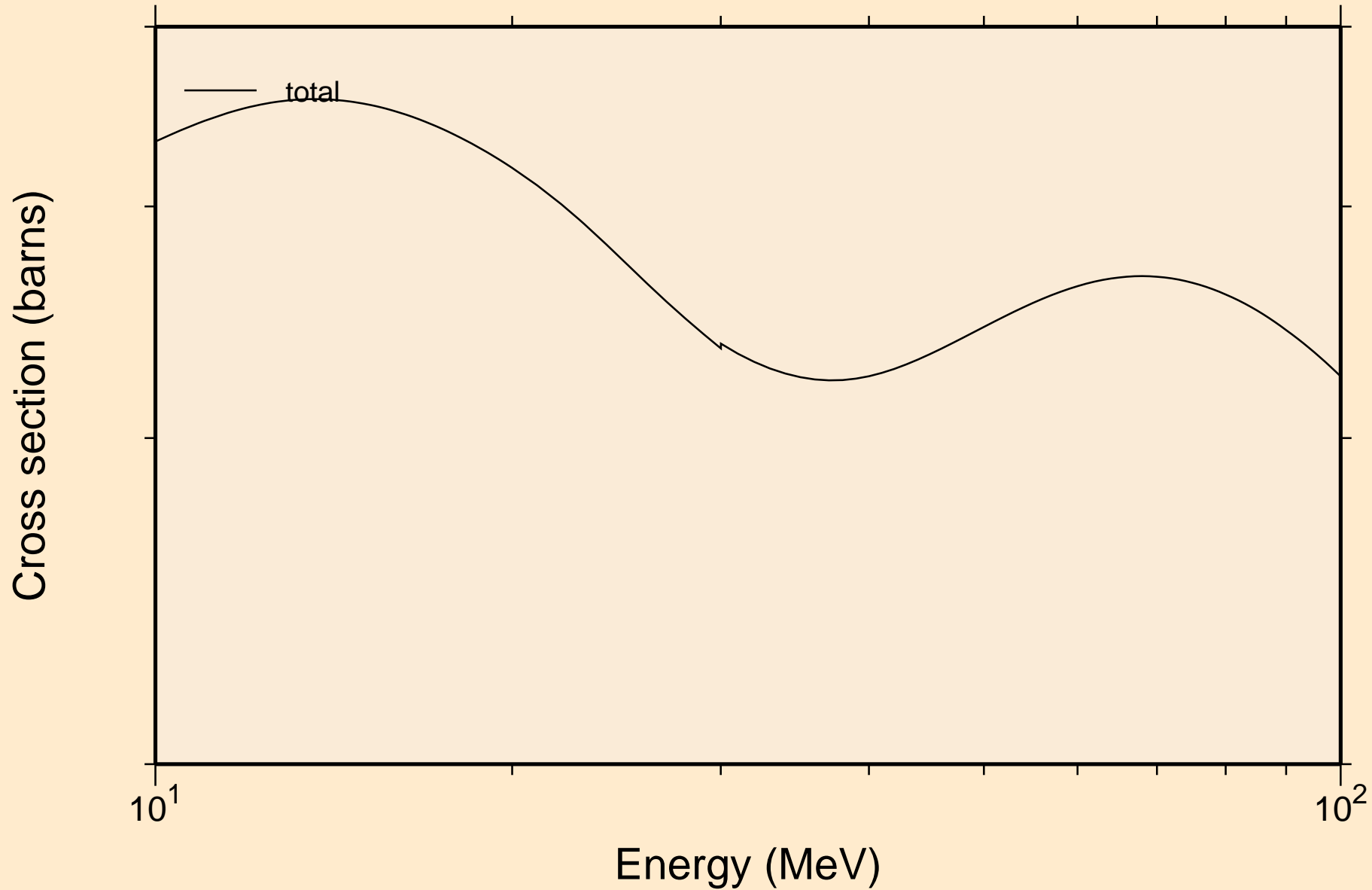
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



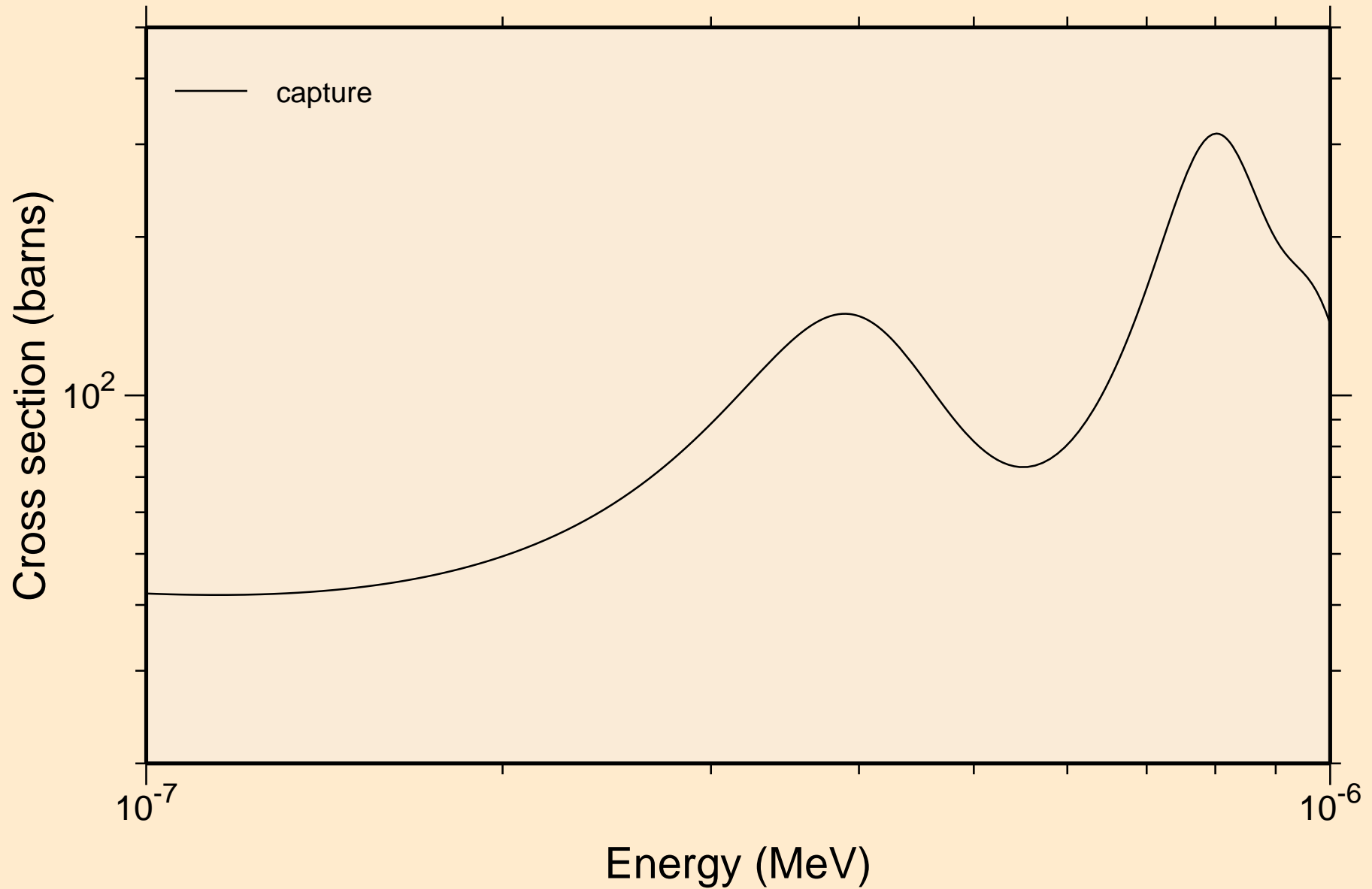
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



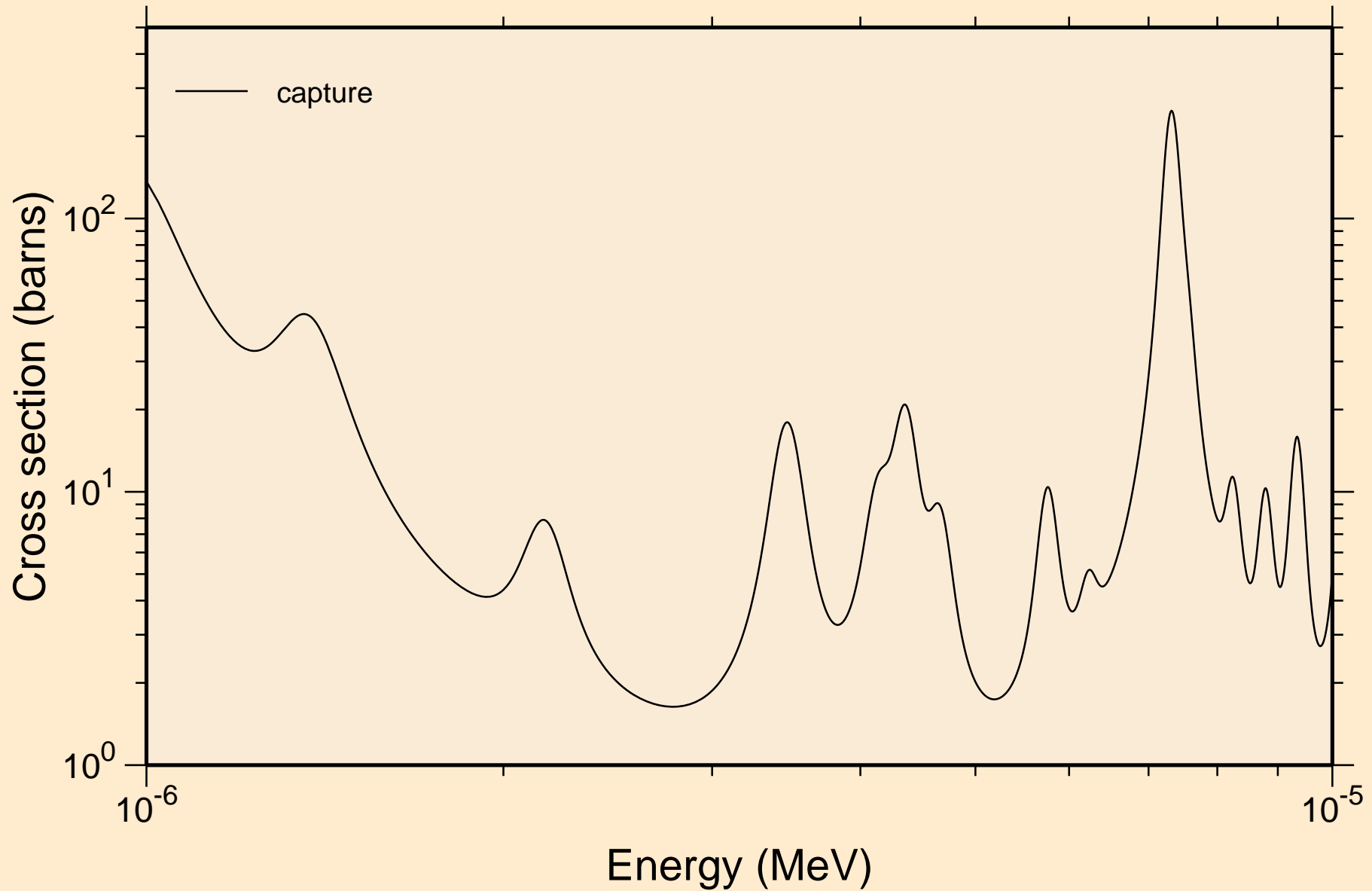
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



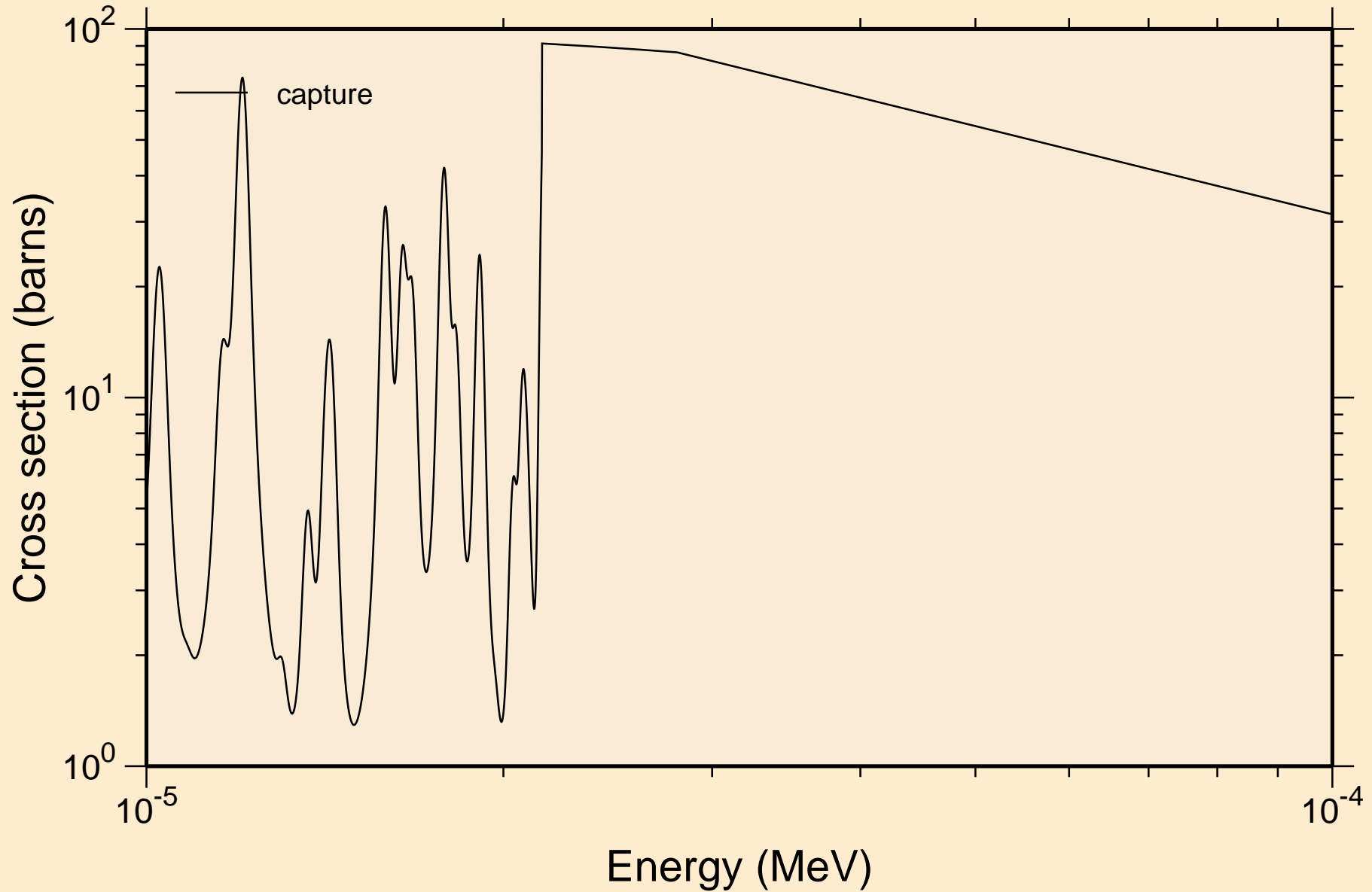
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

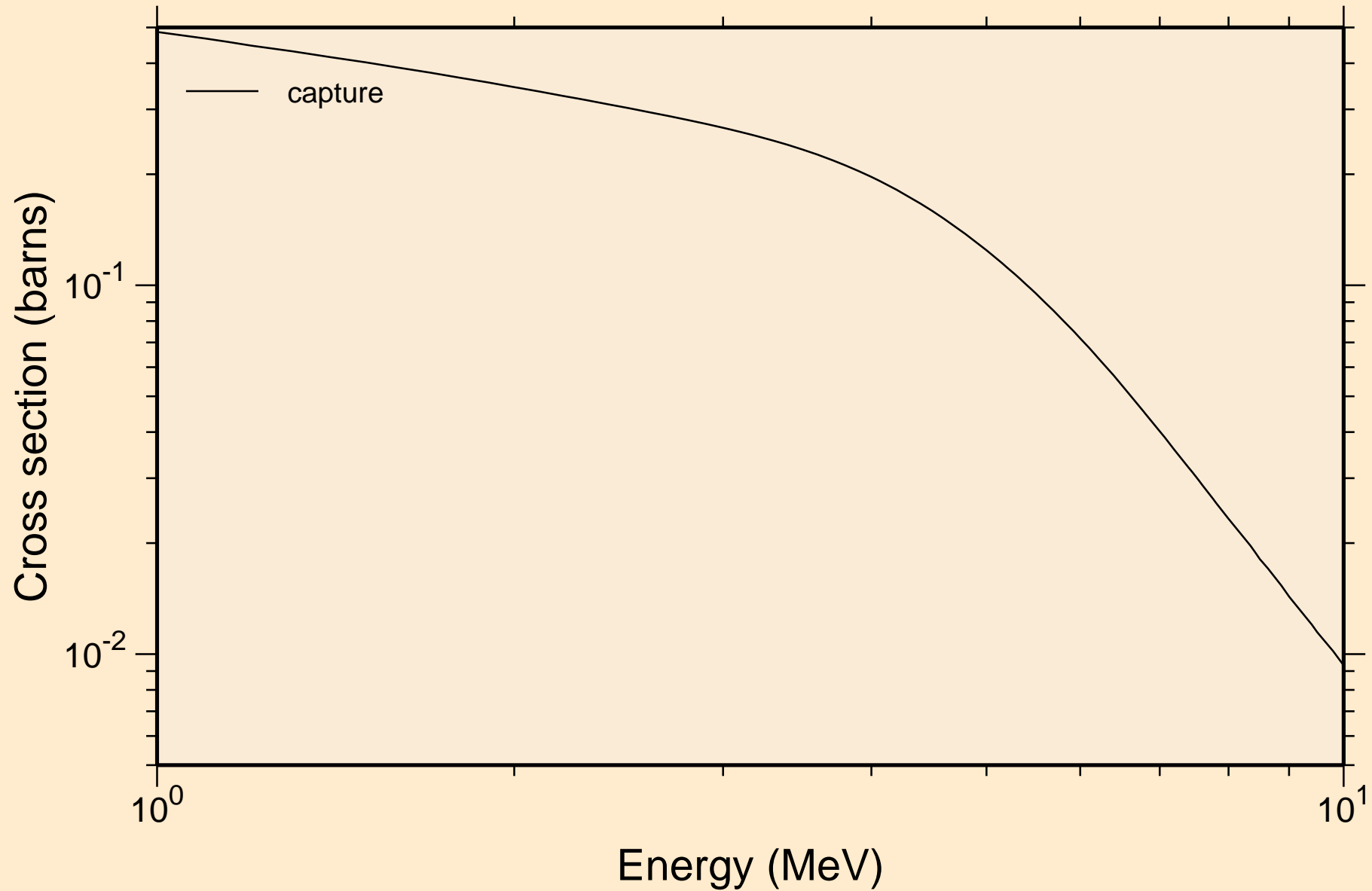


XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

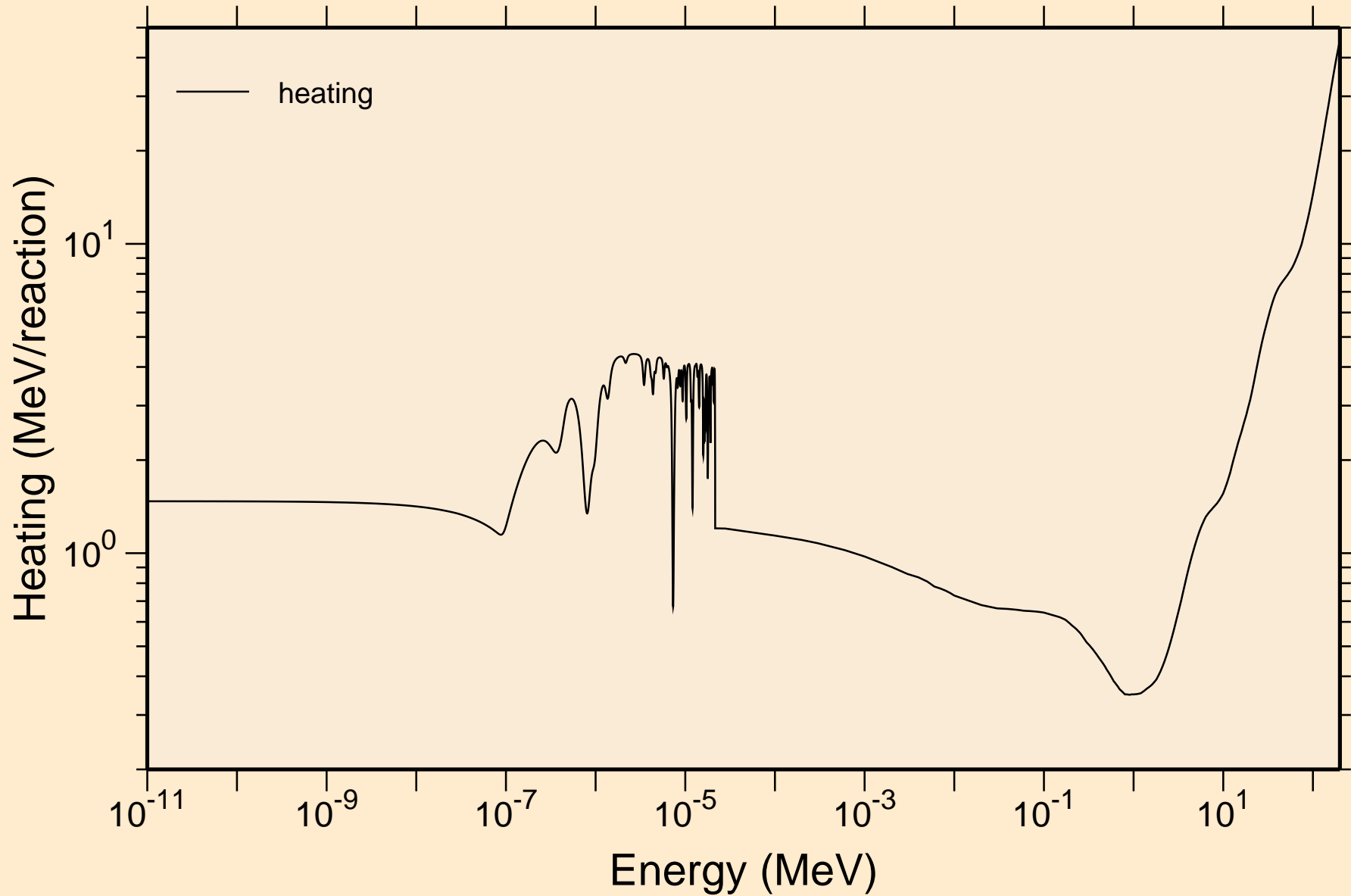




XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

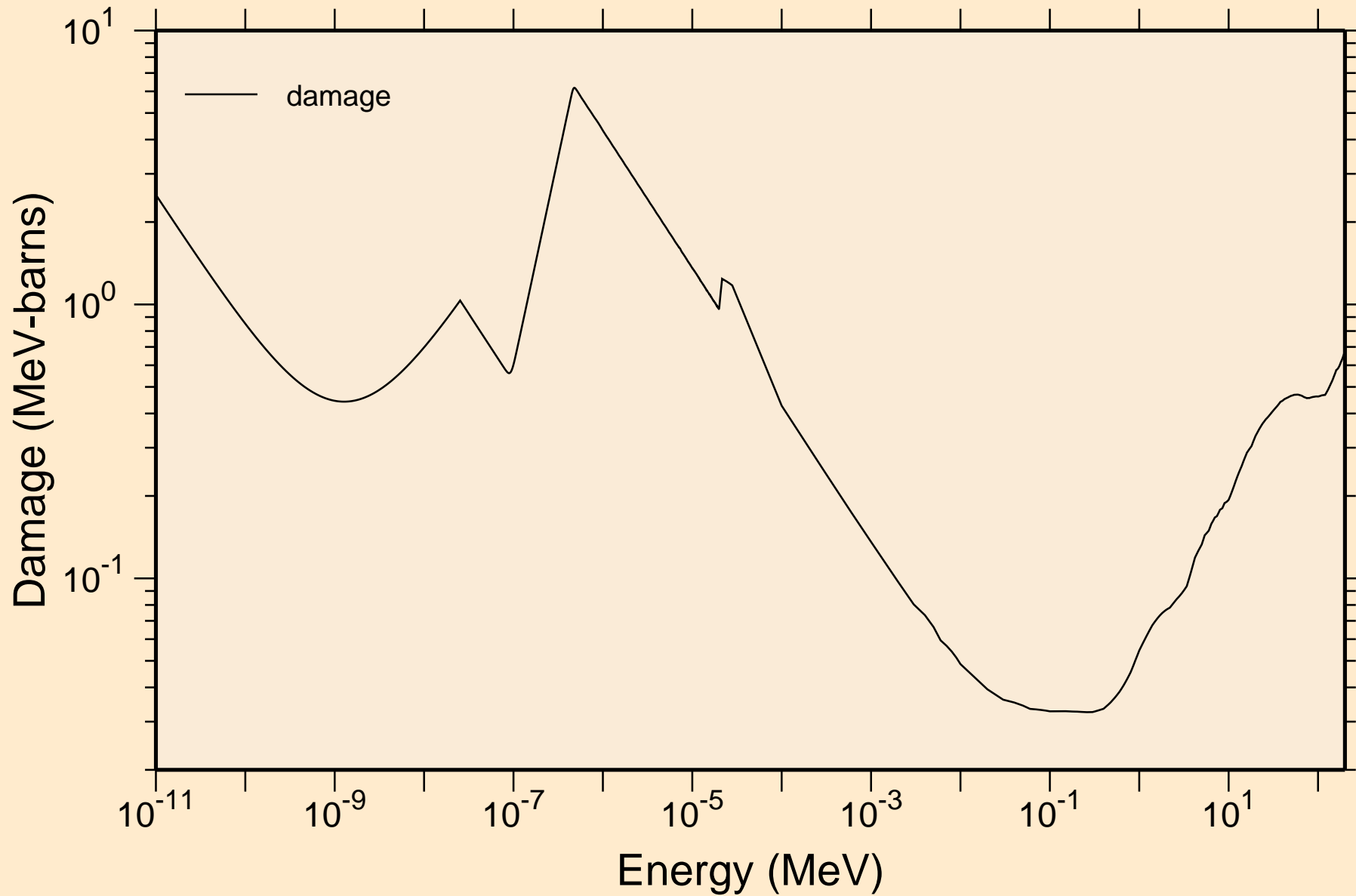


XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating

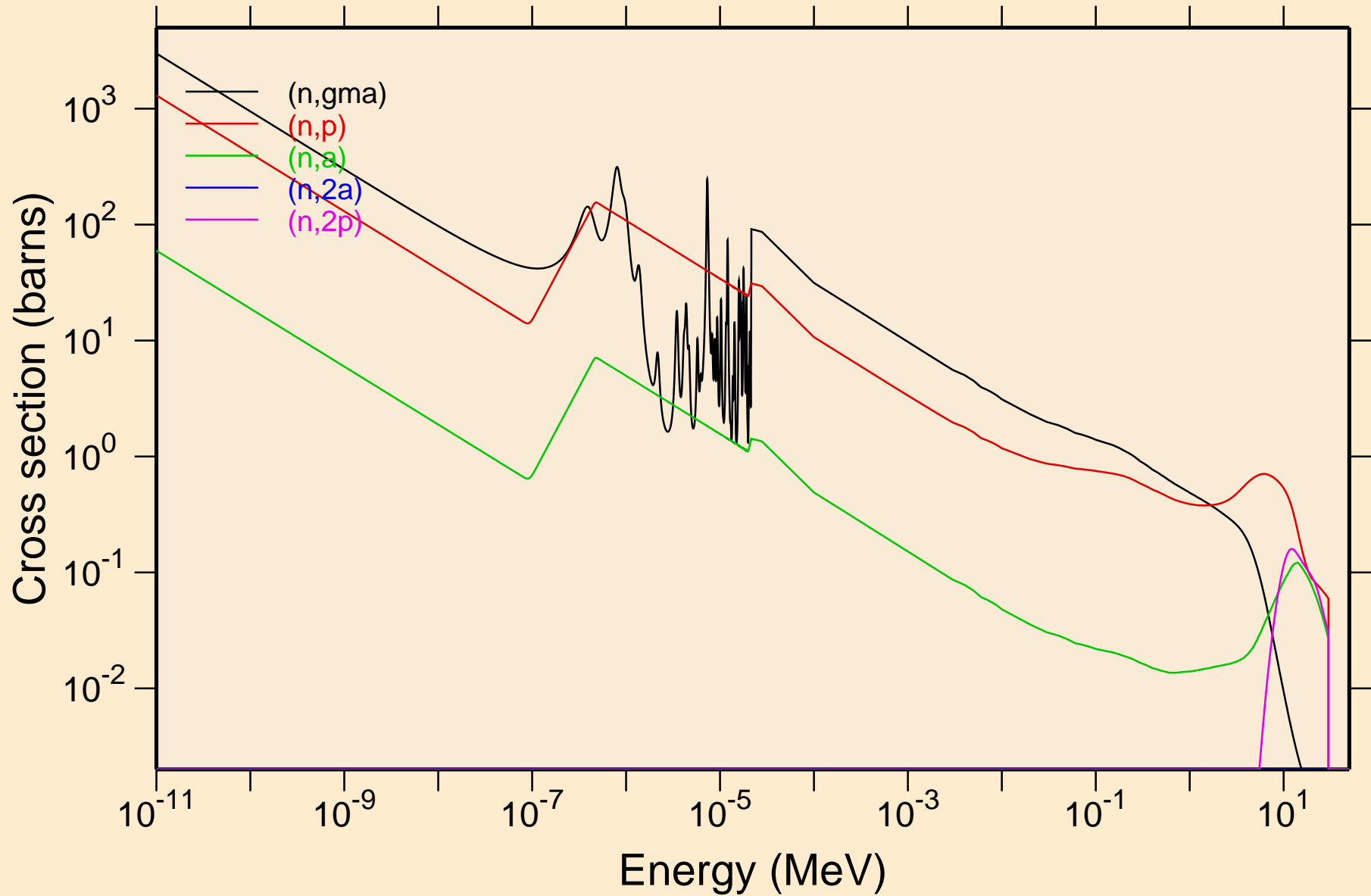


# XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

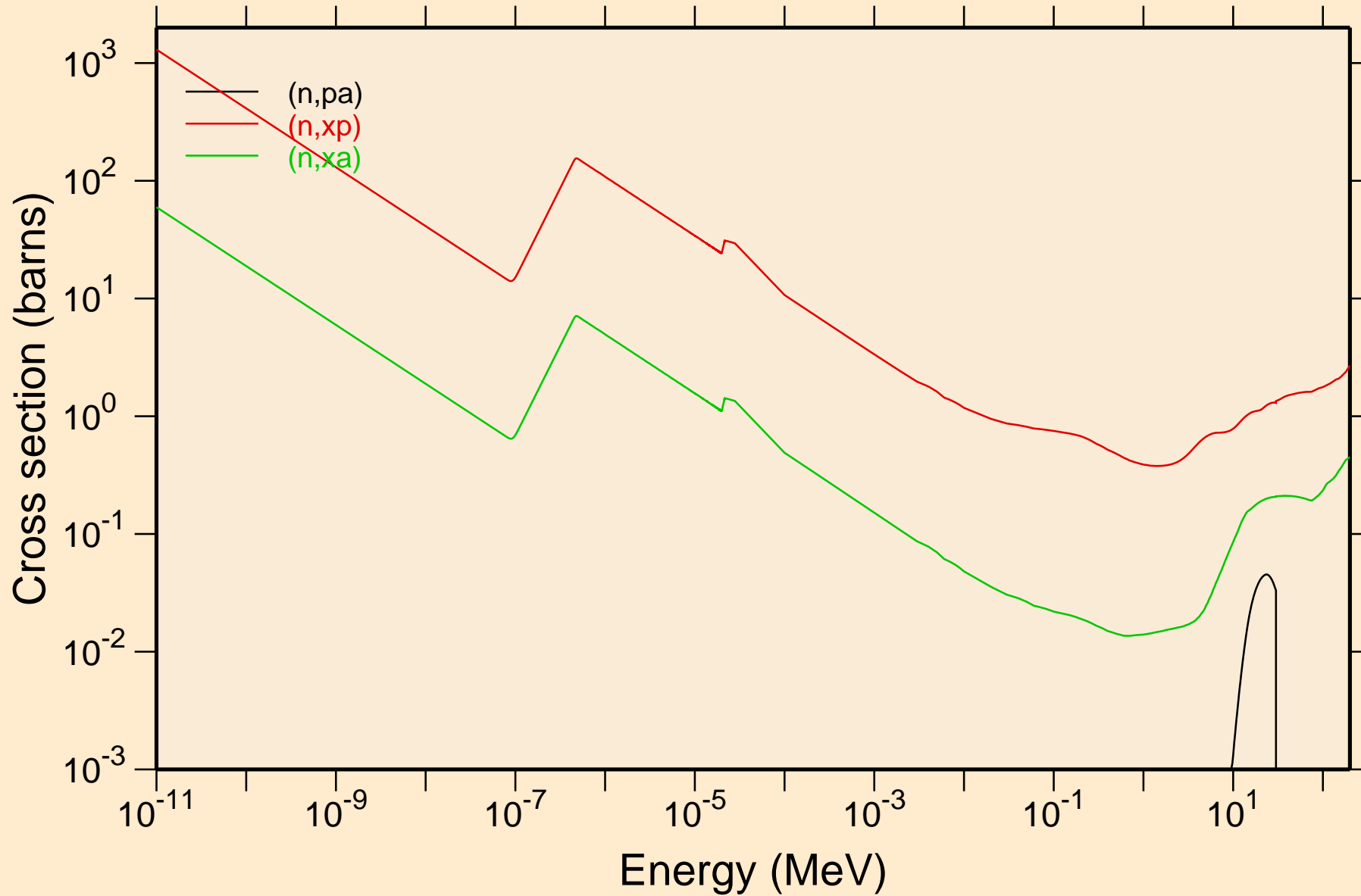
## Damage



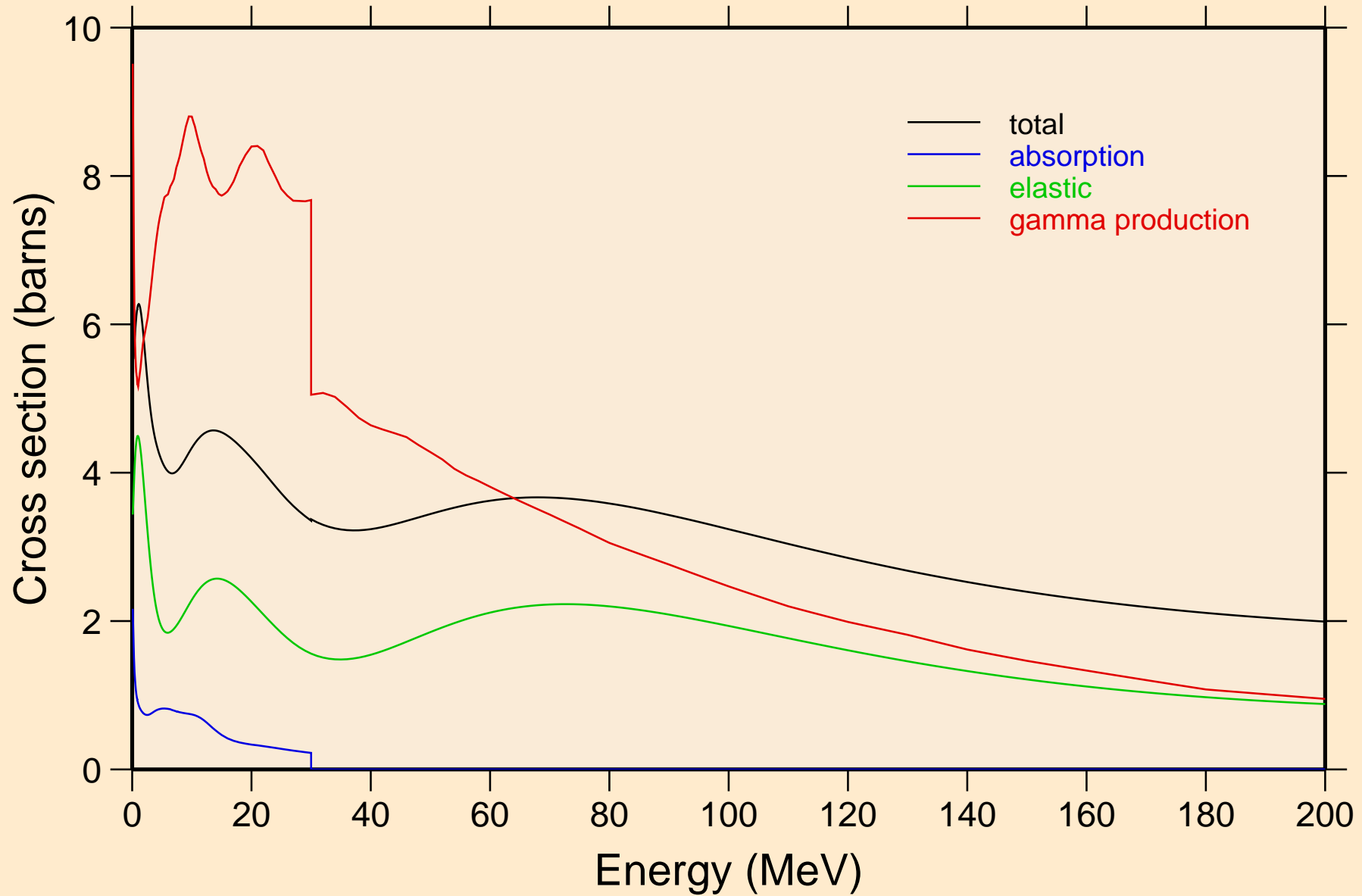
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

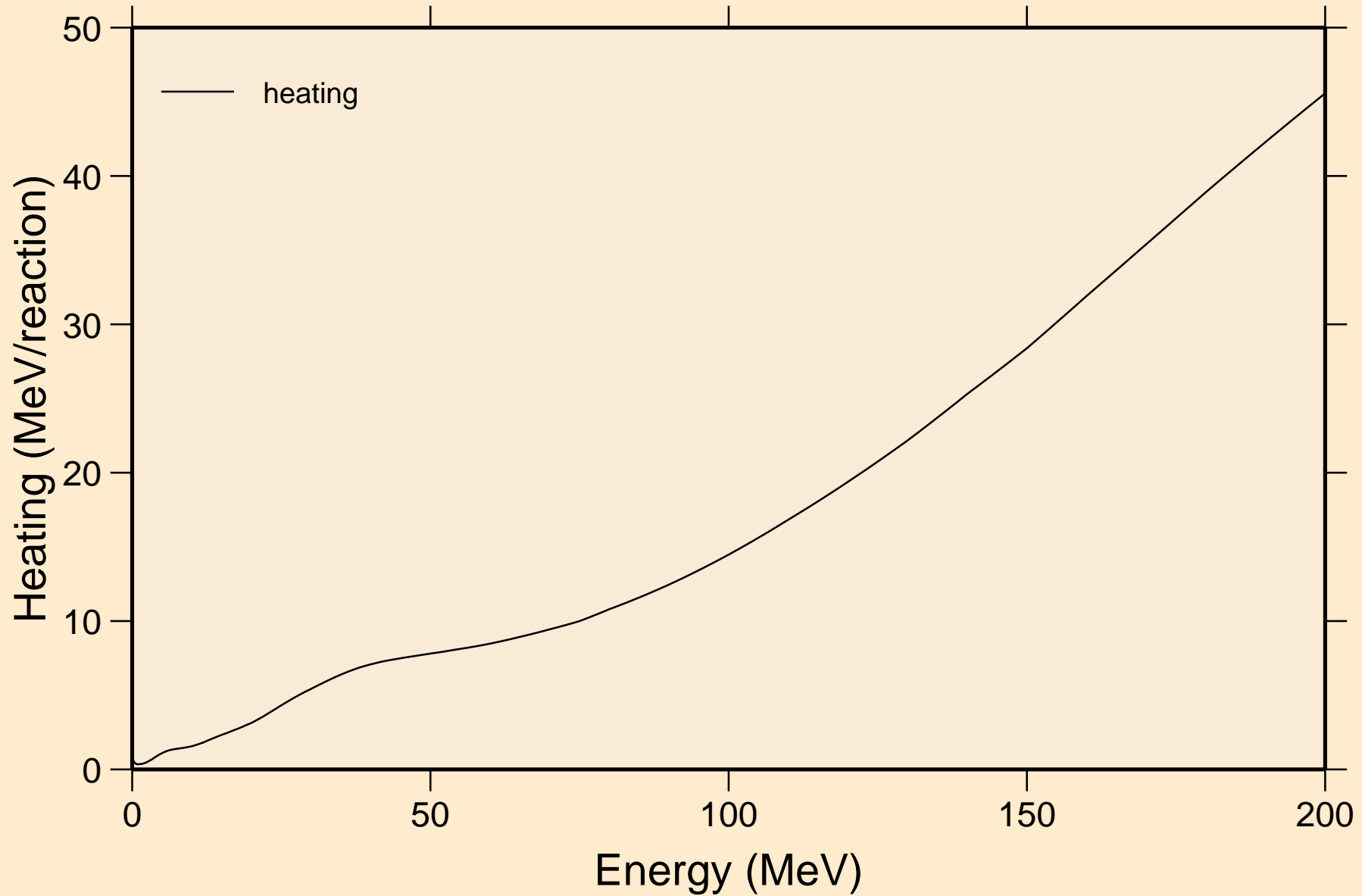


XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Principal cross sections

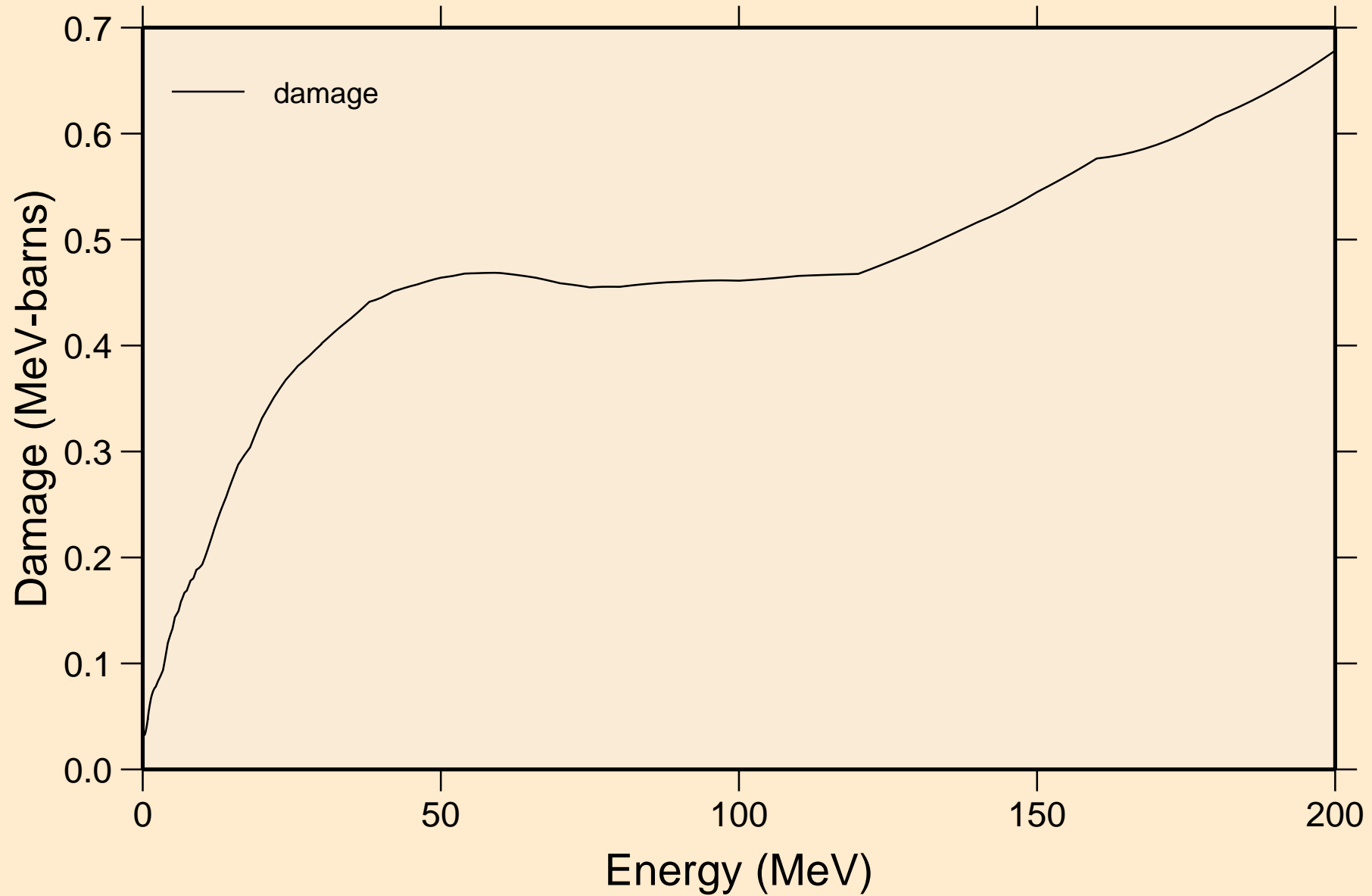


# XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Heating

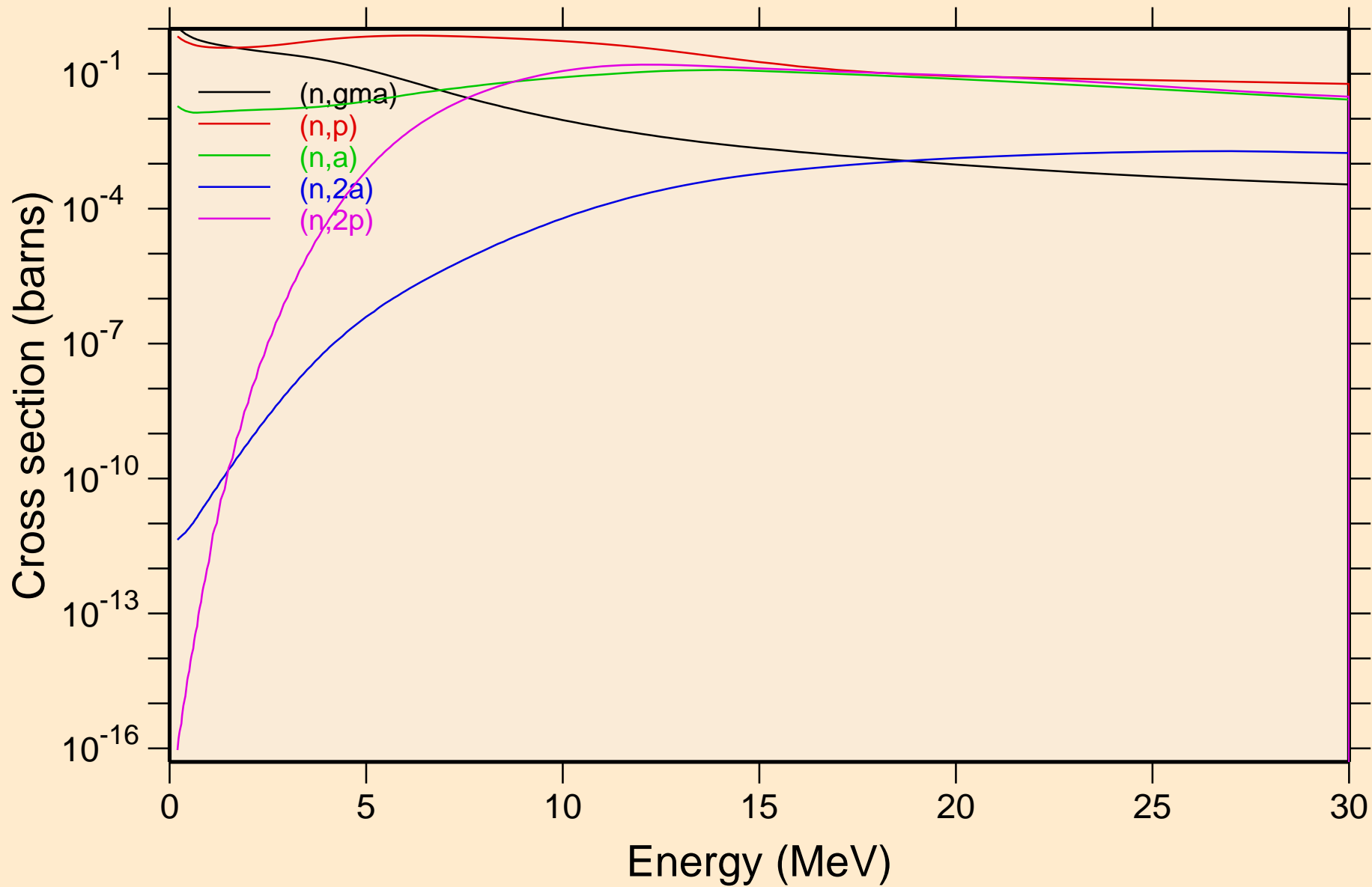


XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

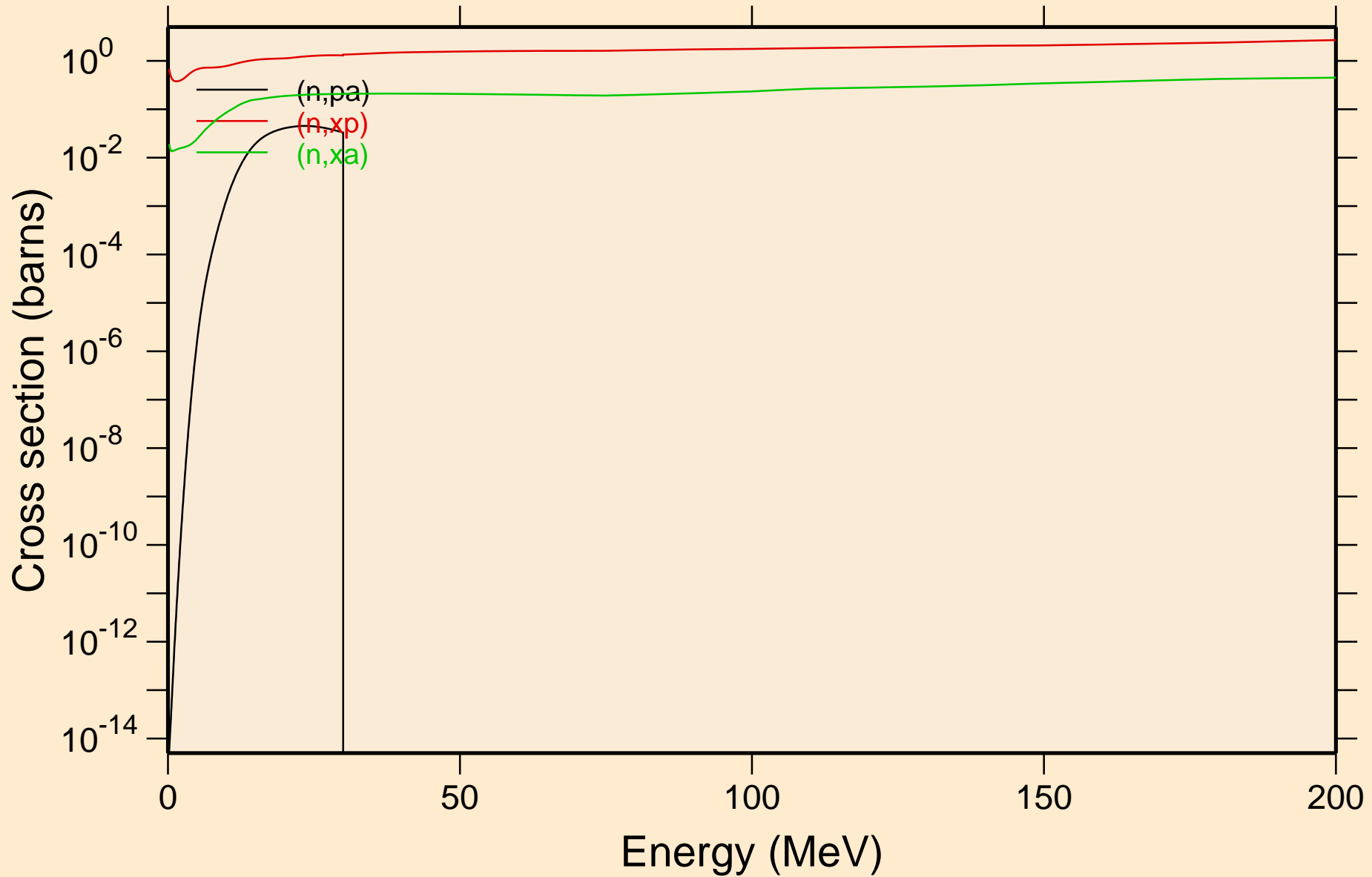




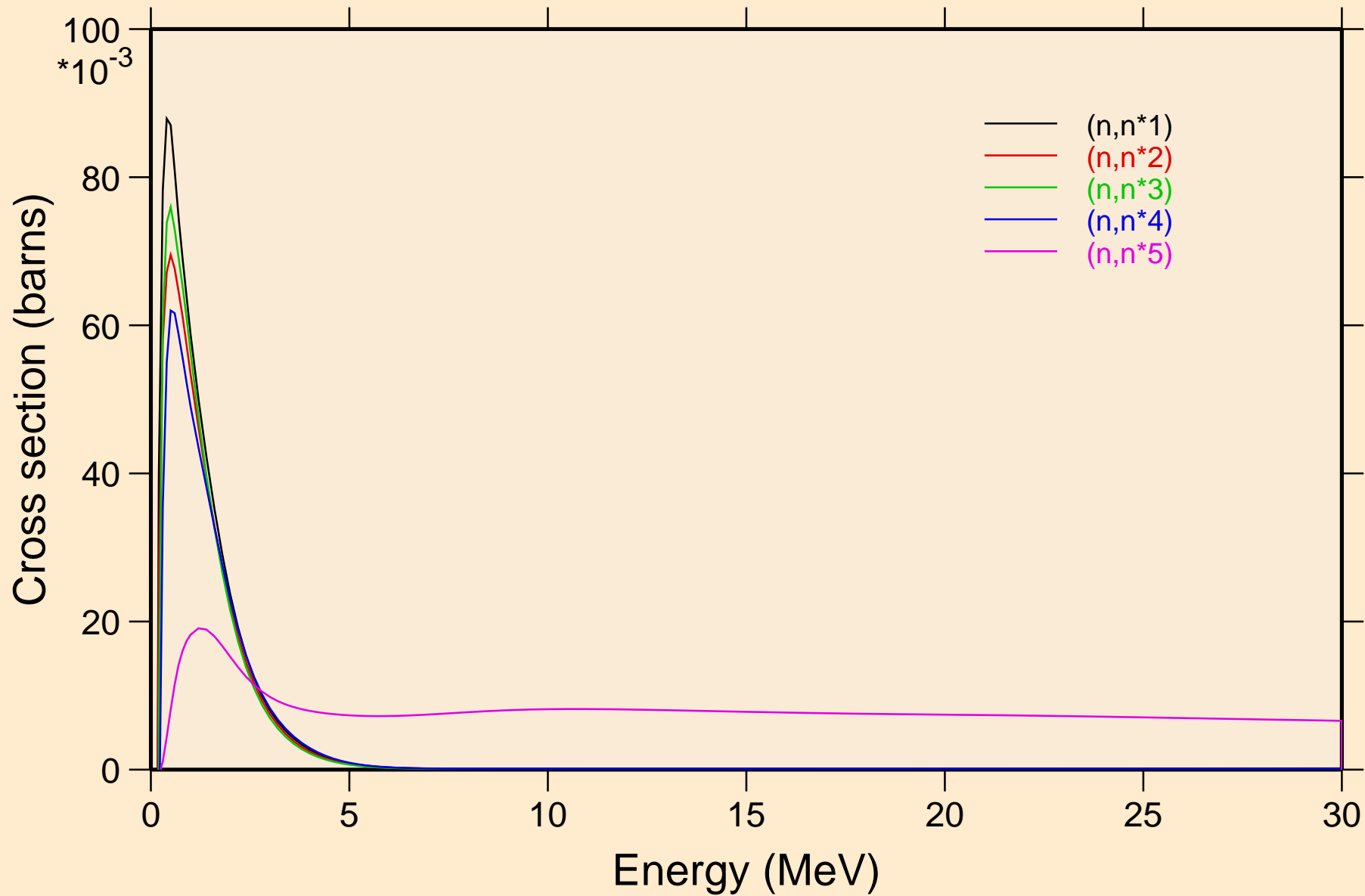
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



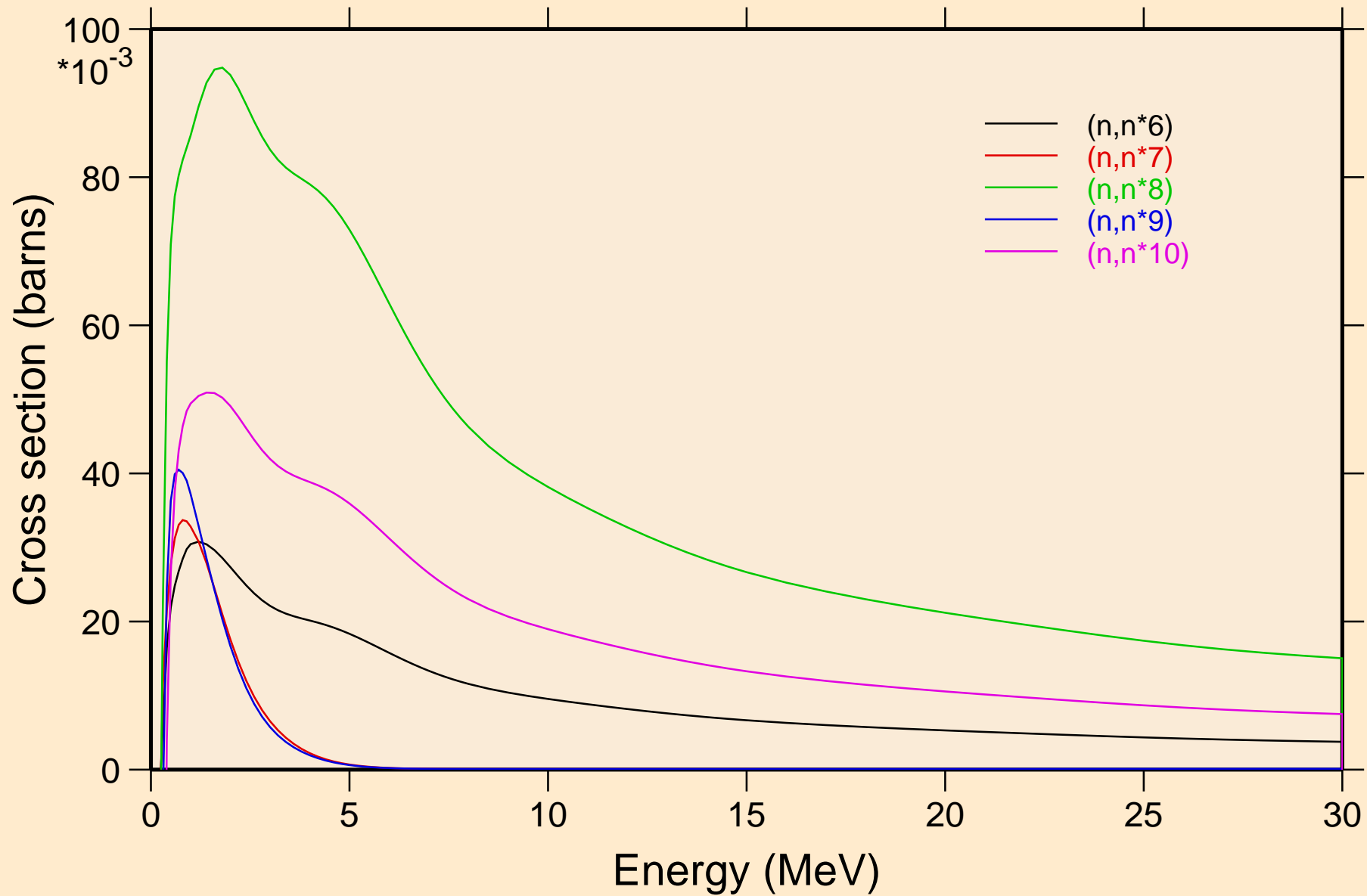
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions



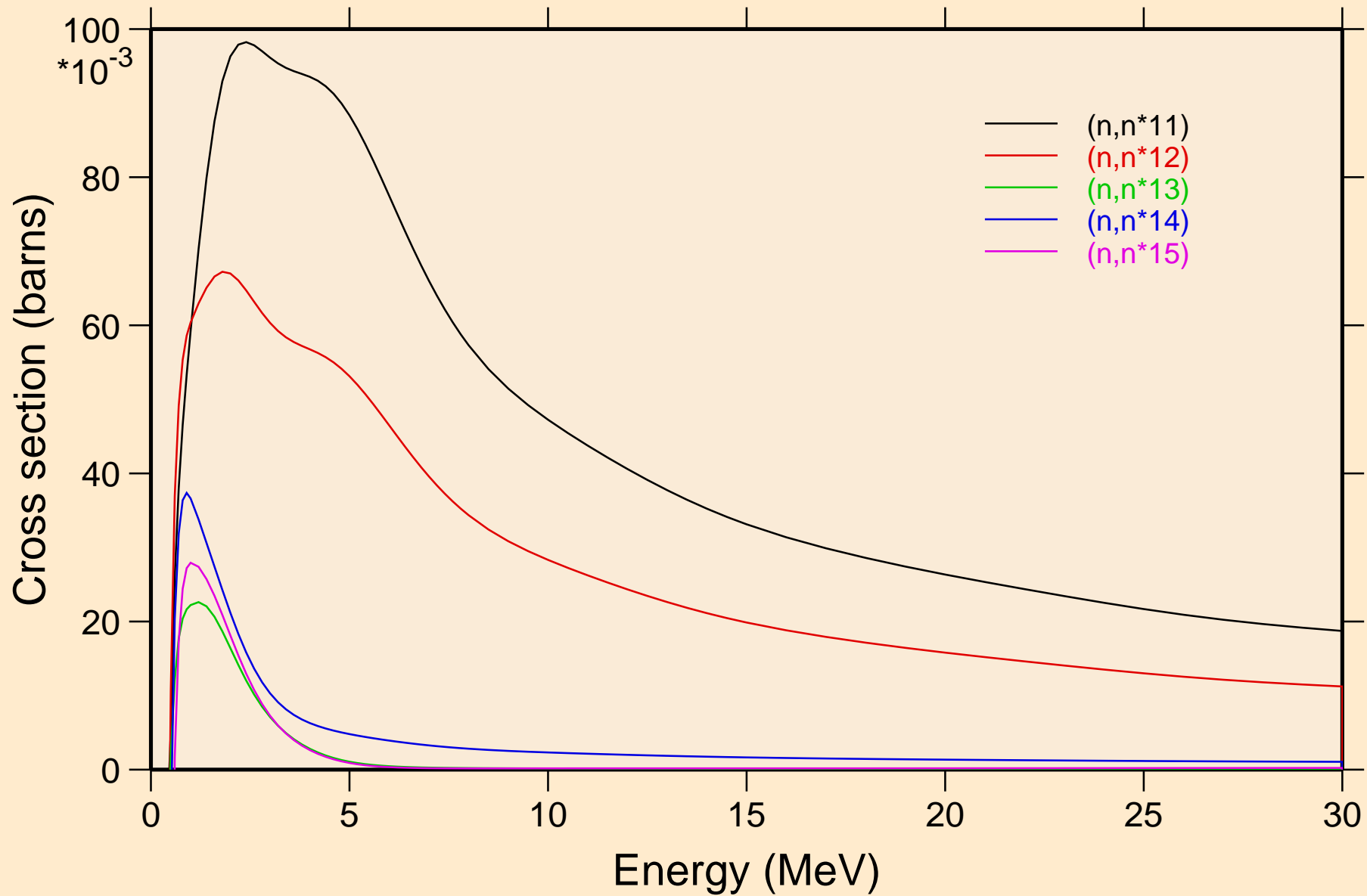
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



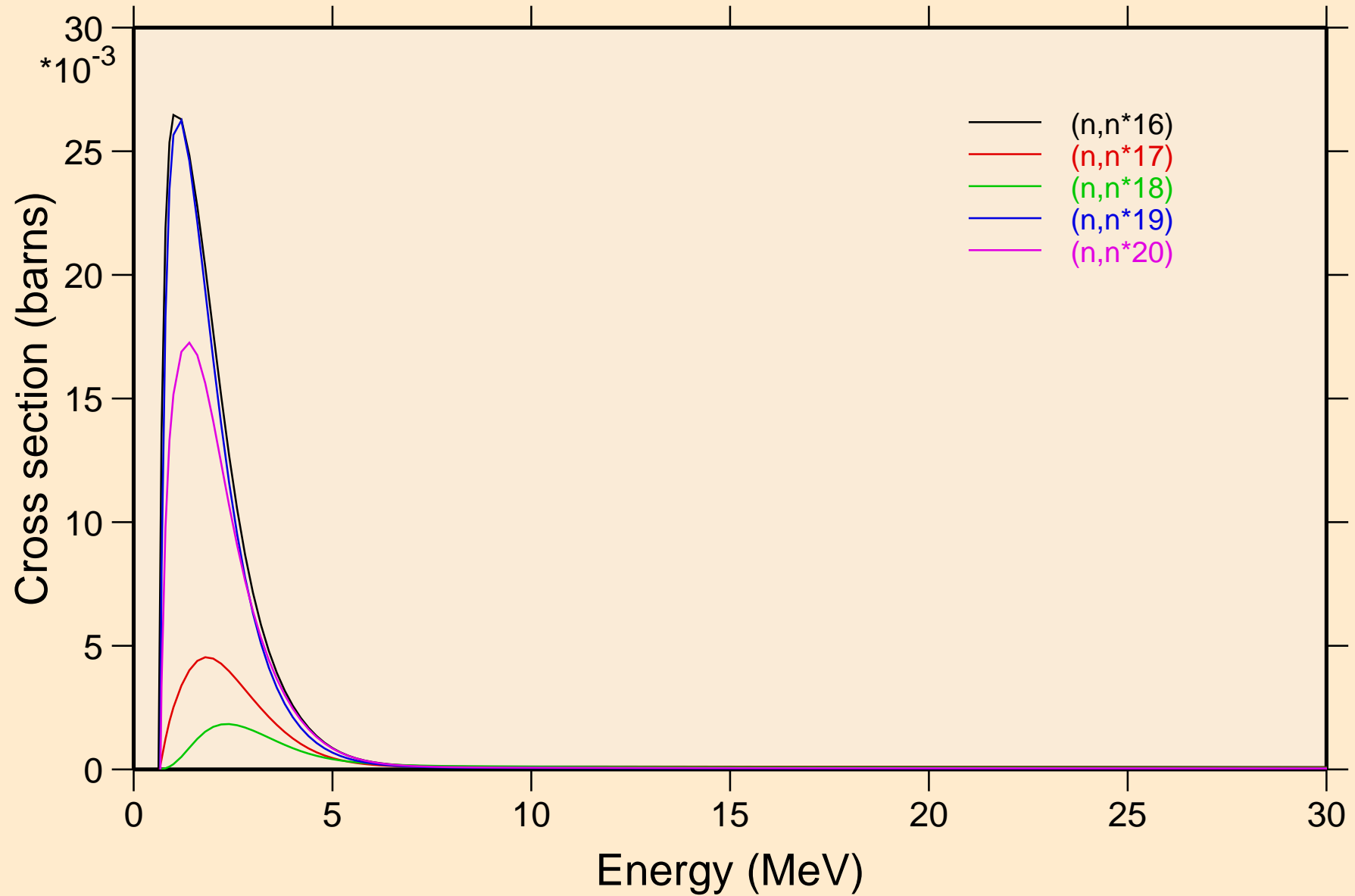
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



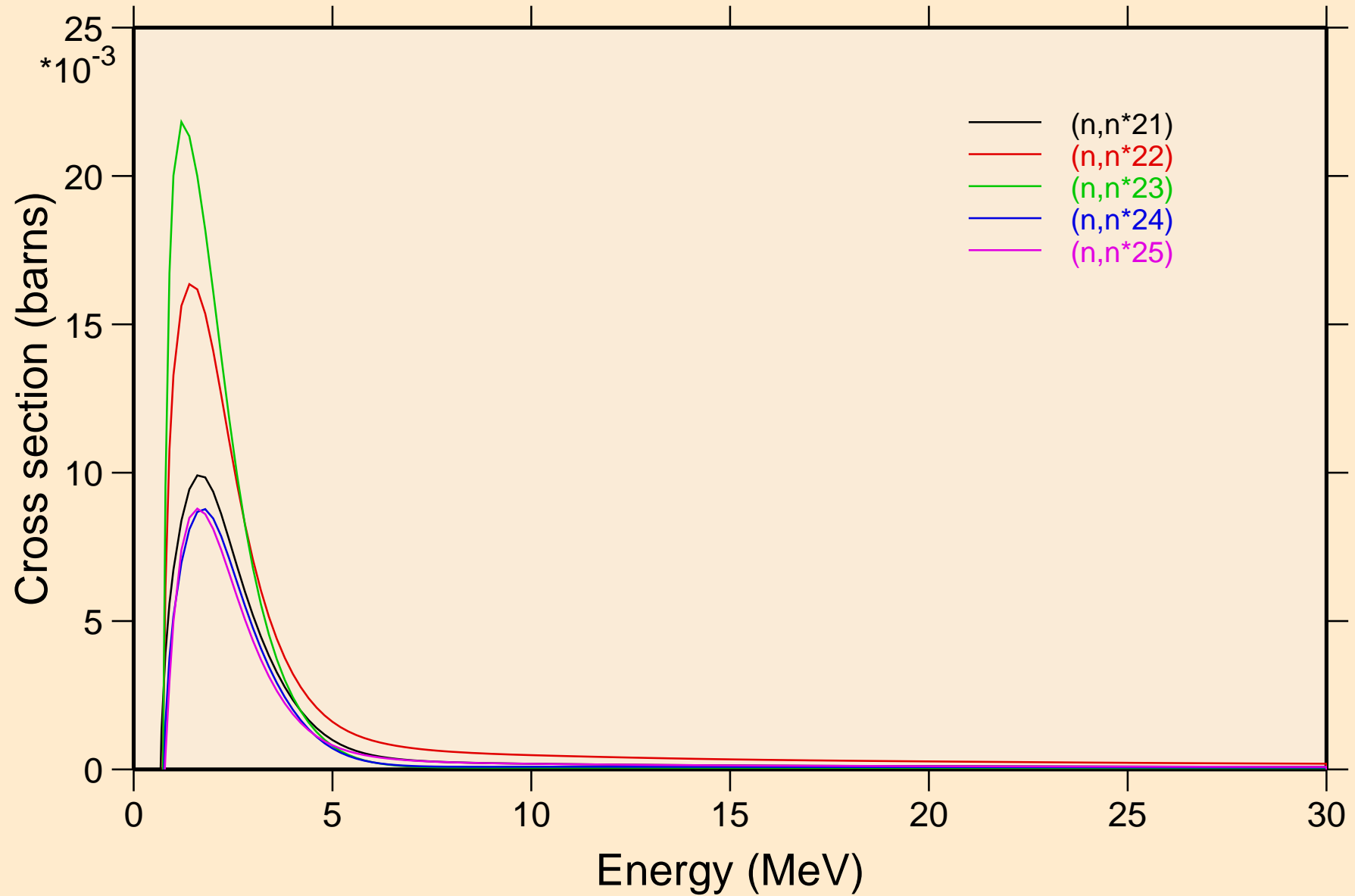
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



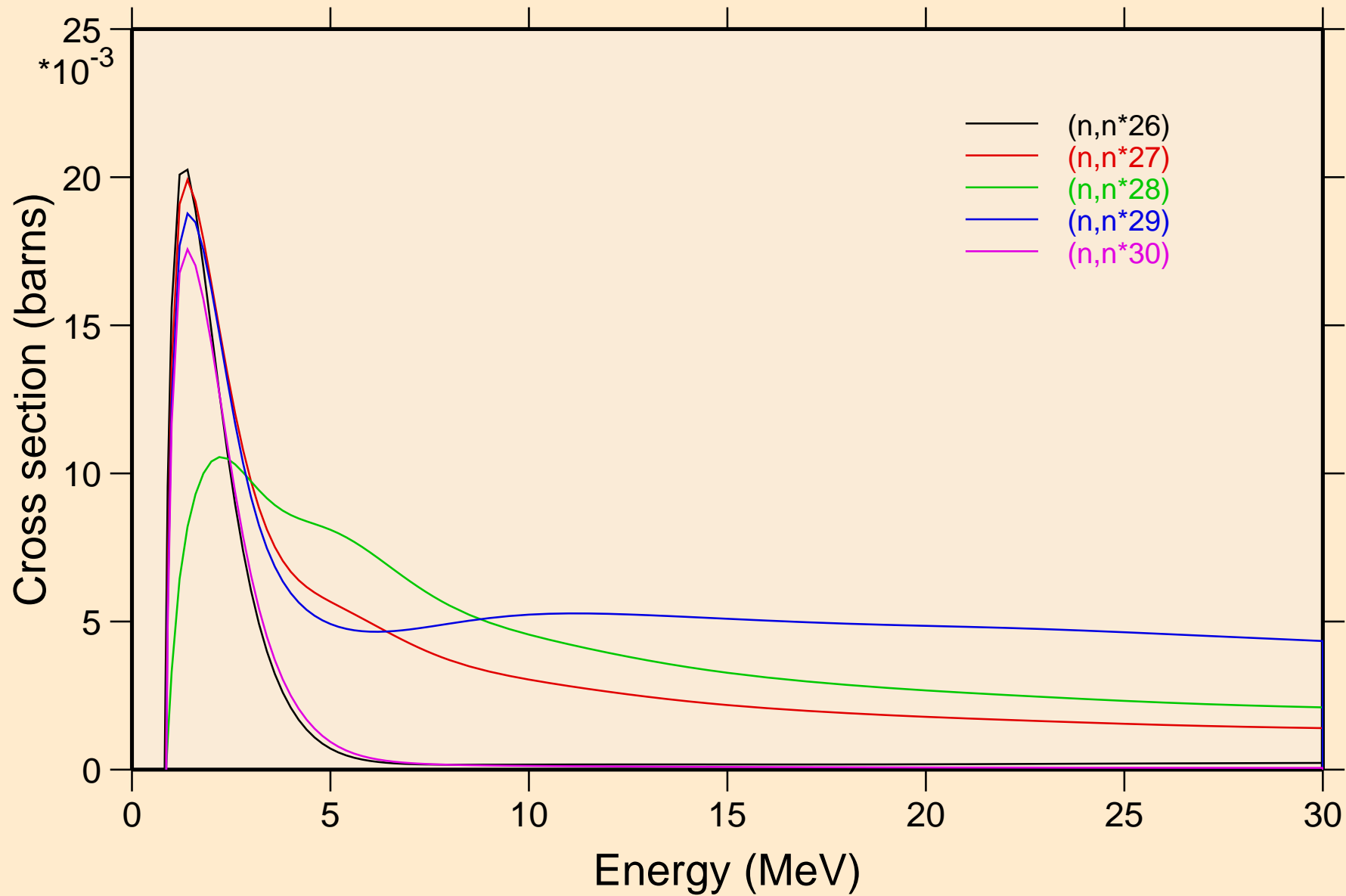
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

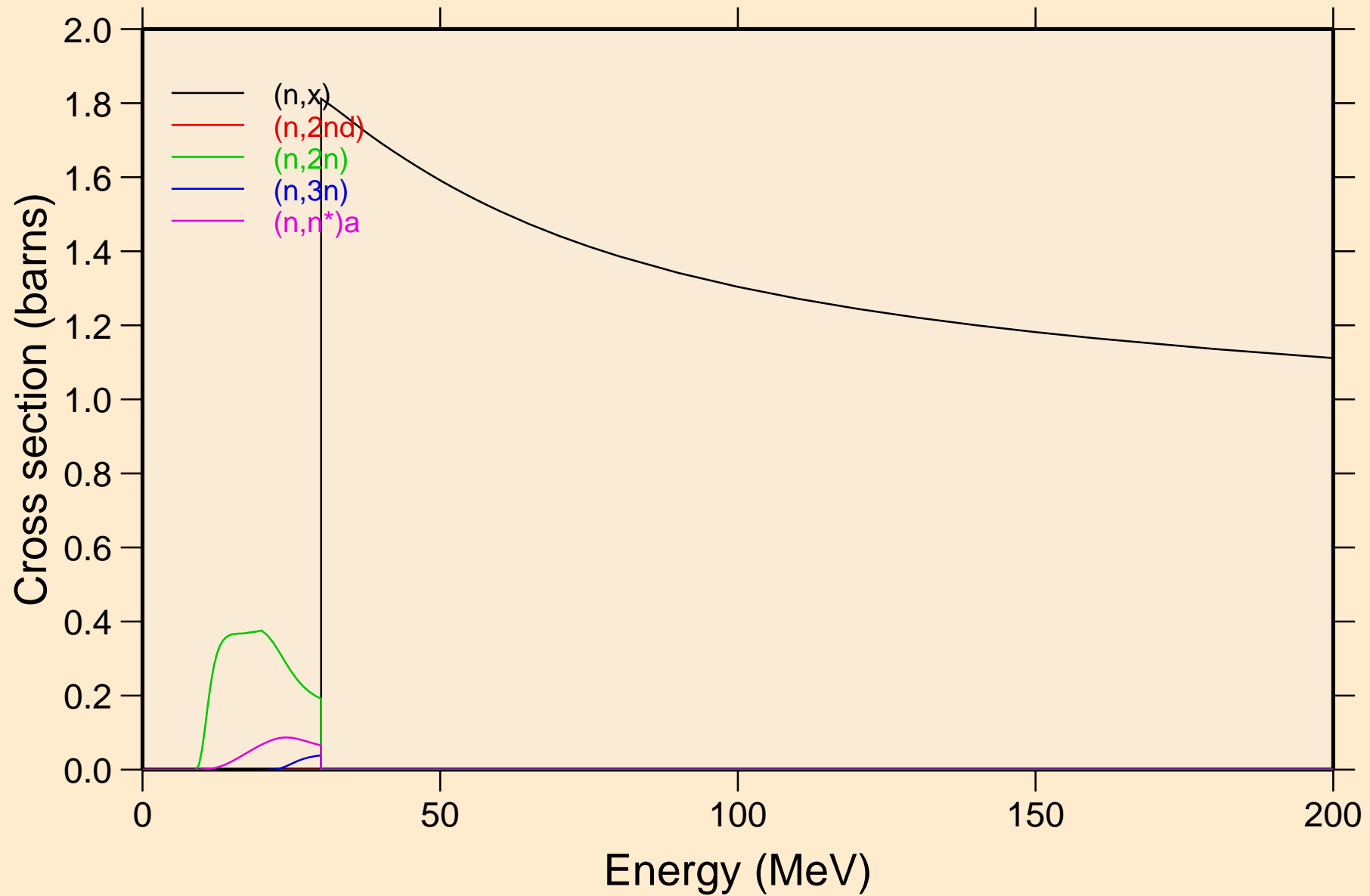


XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels

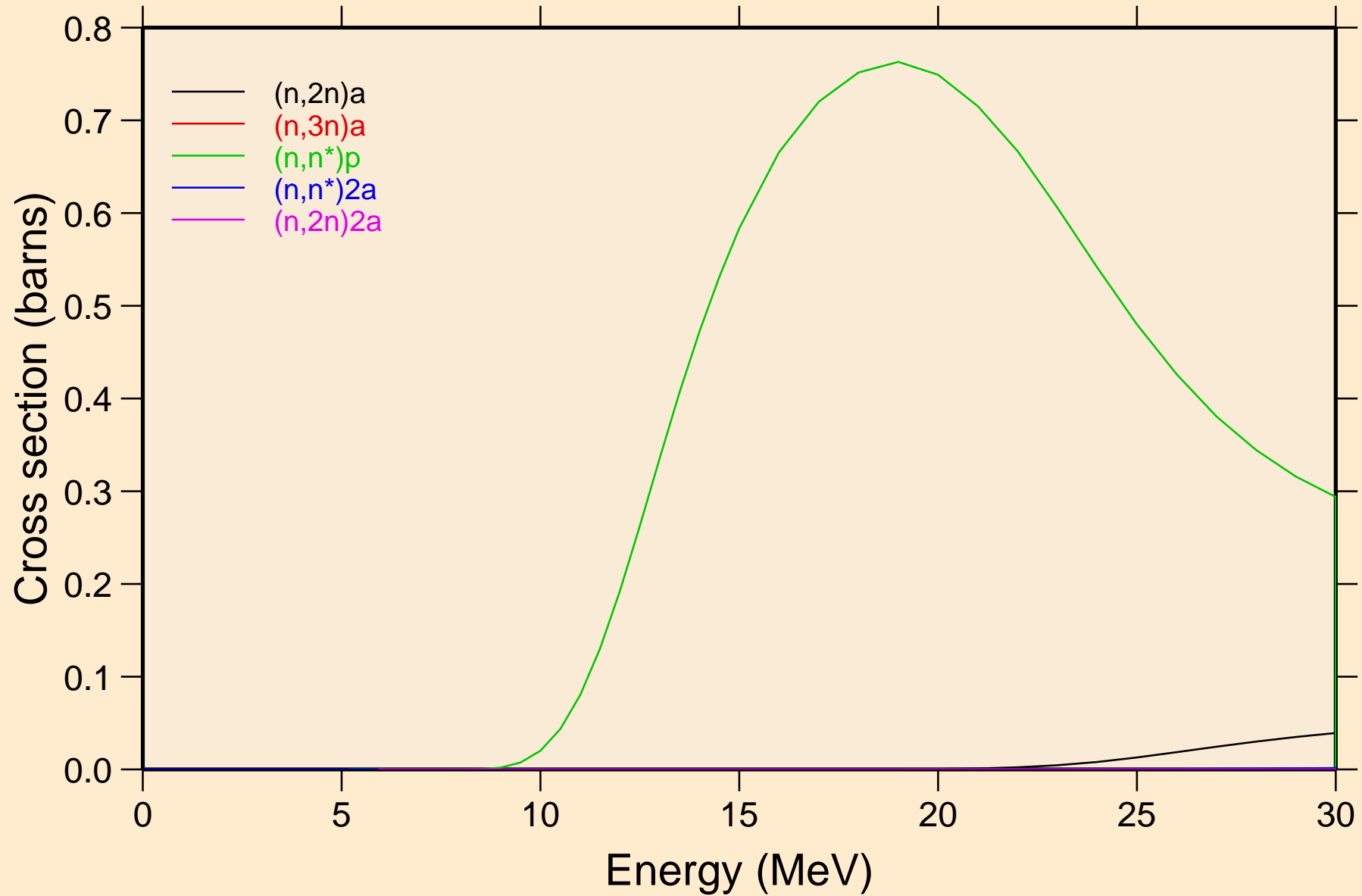




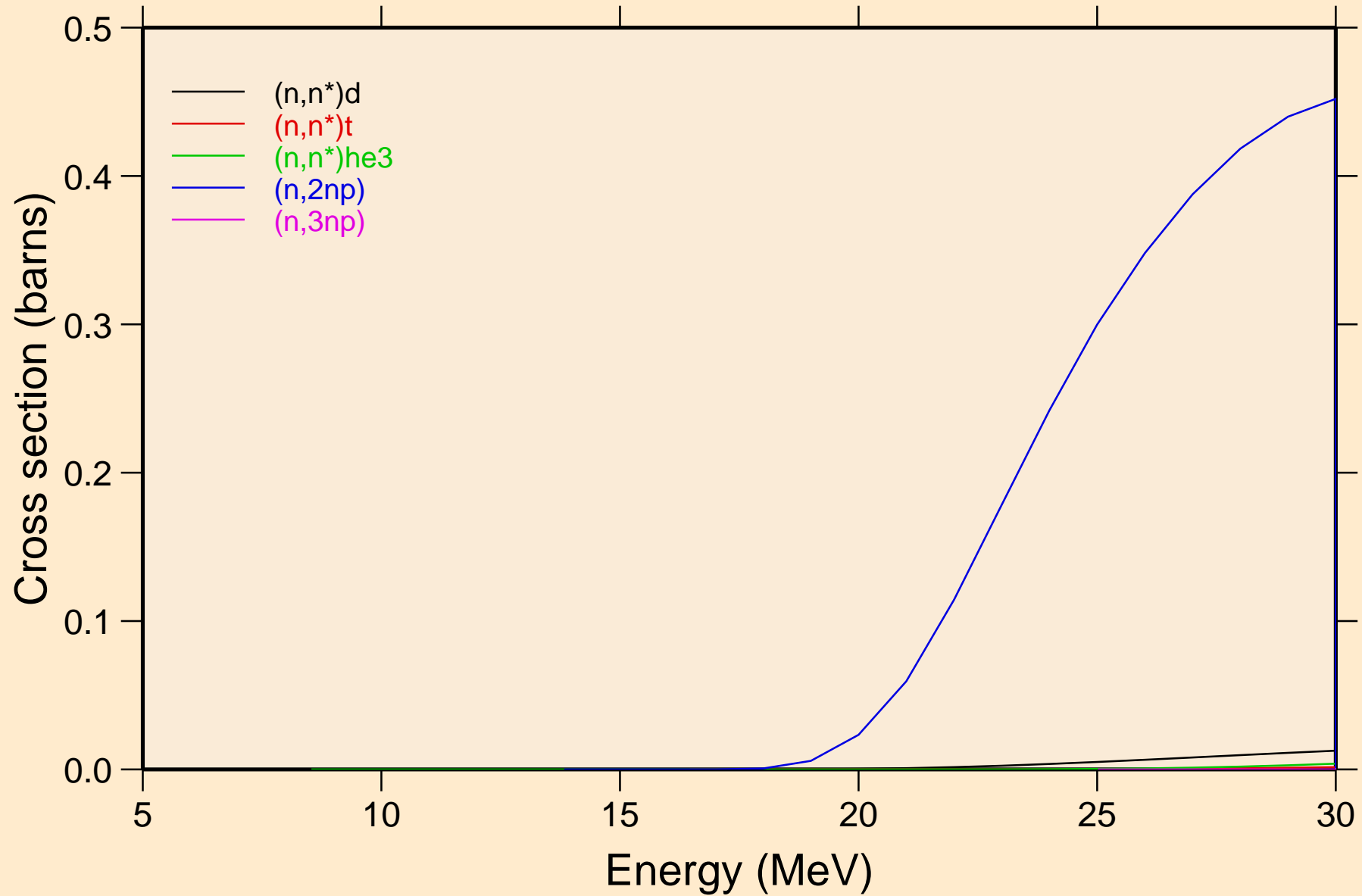
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



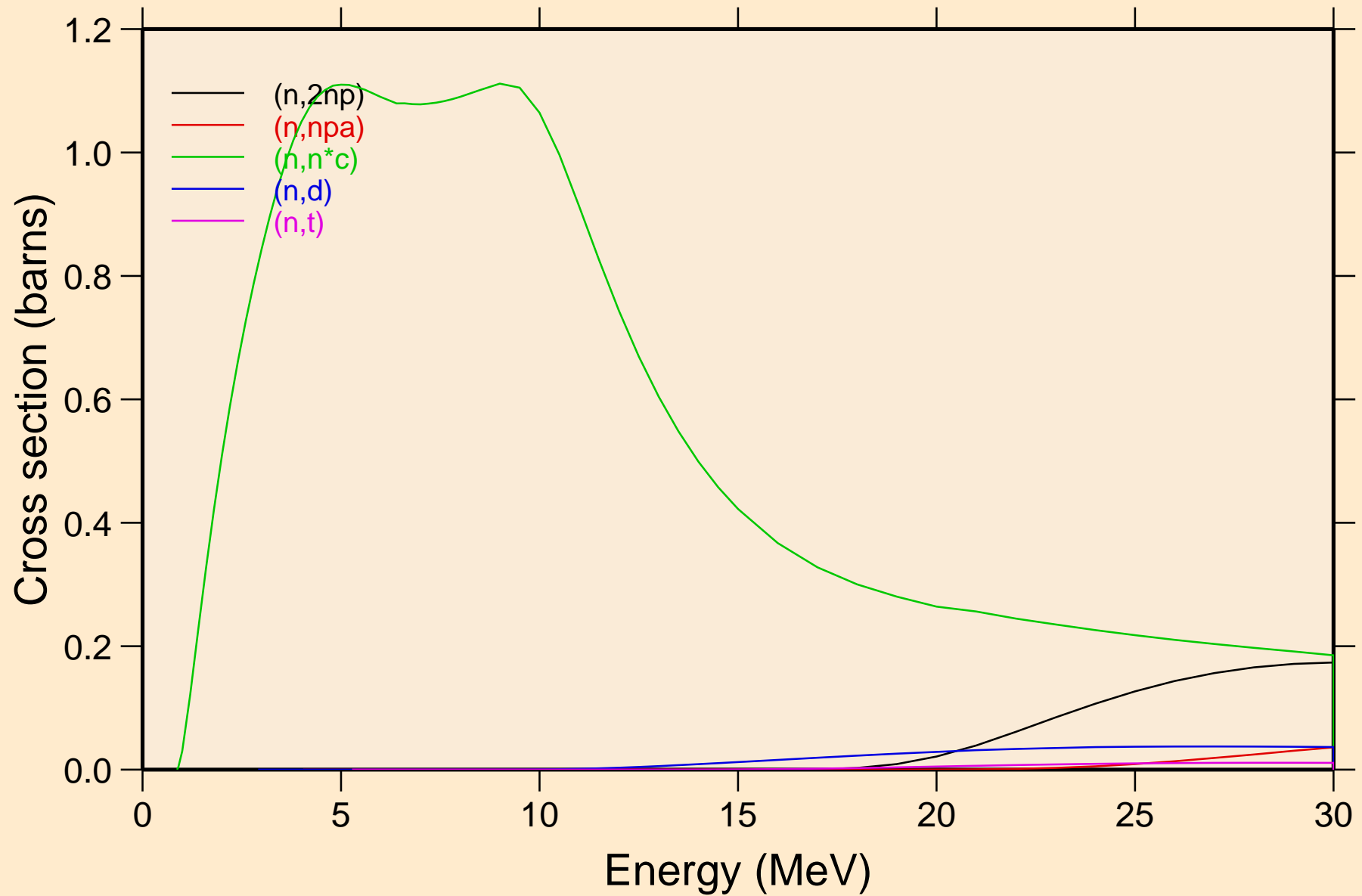
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



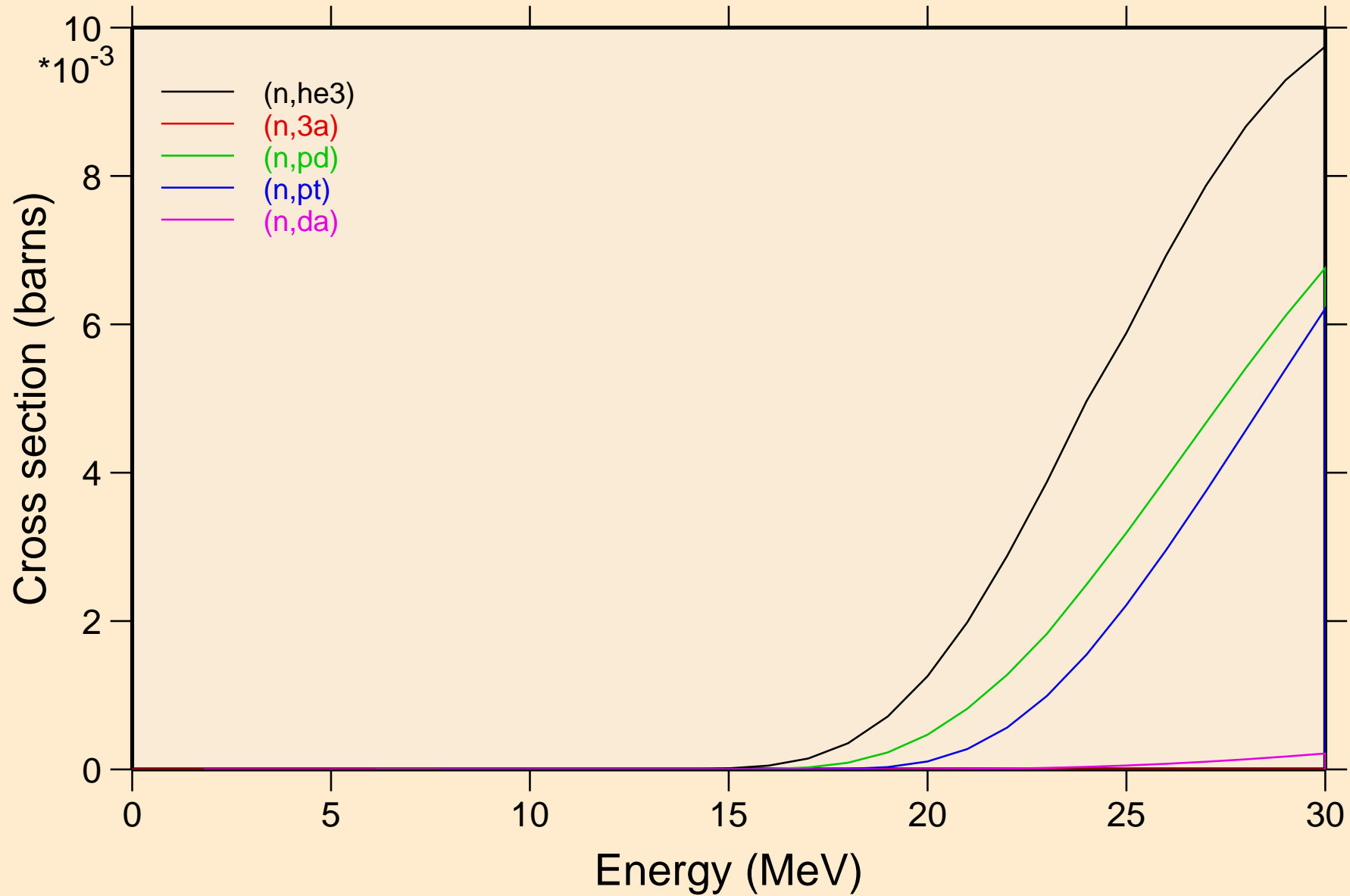
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



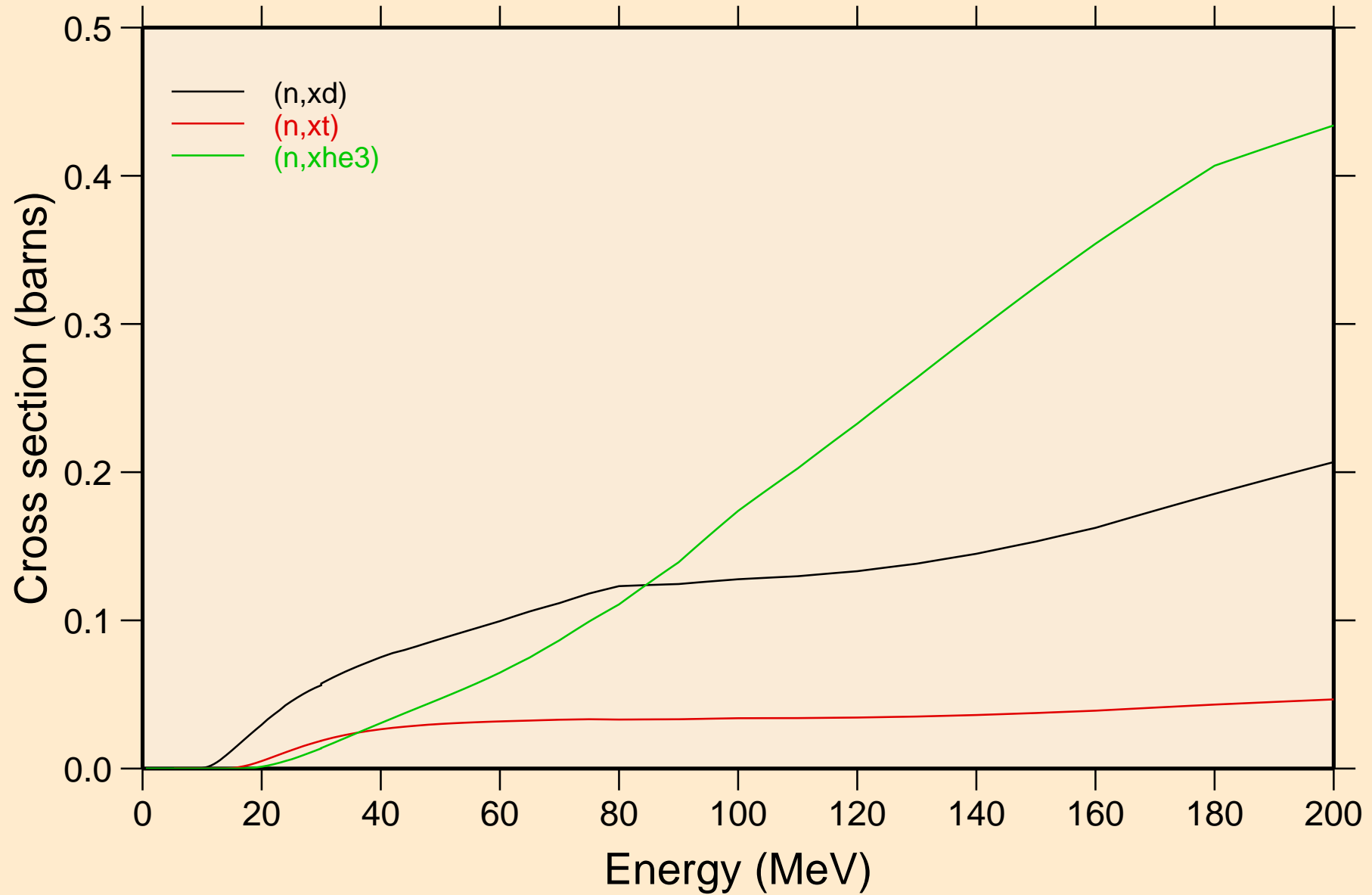
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



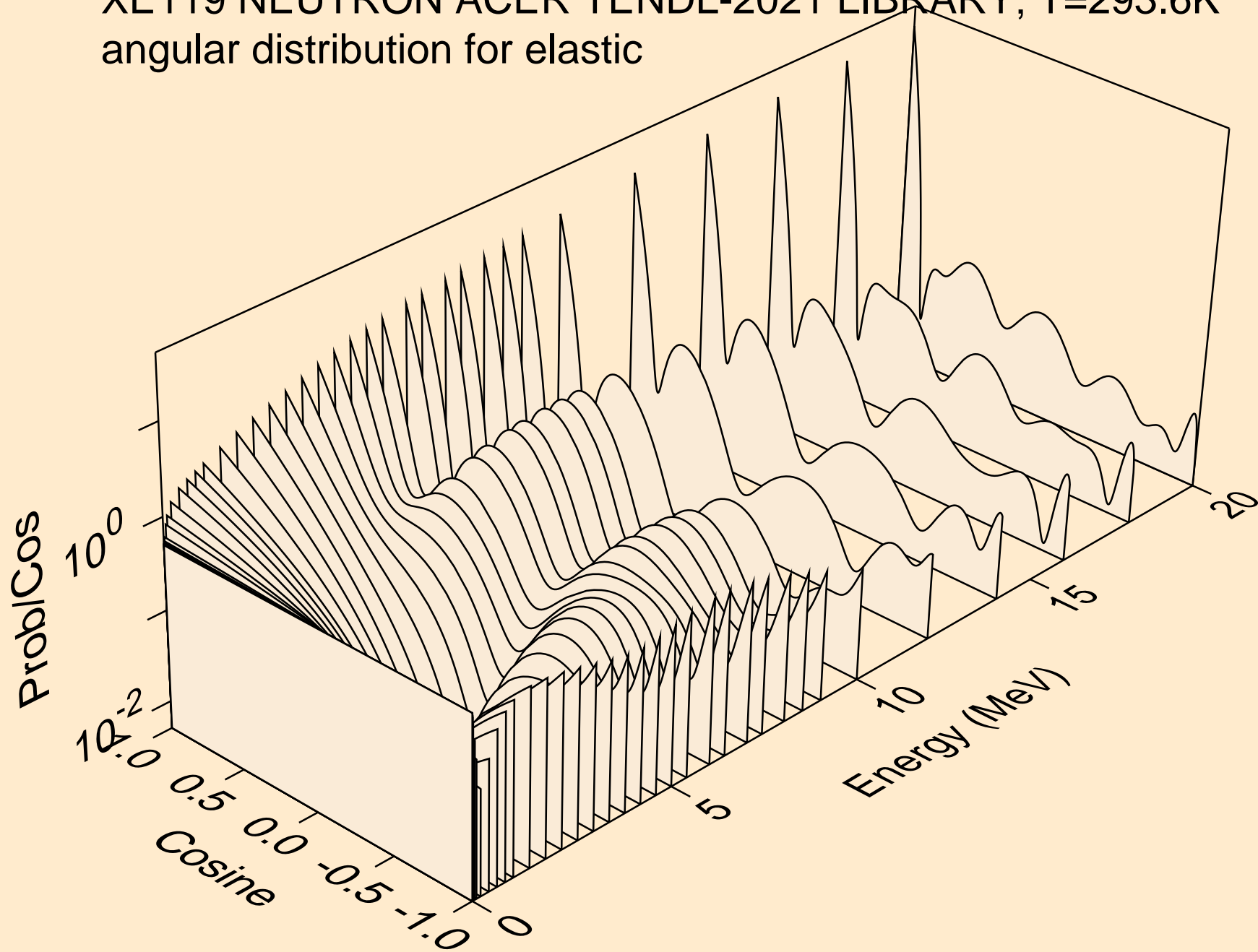
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



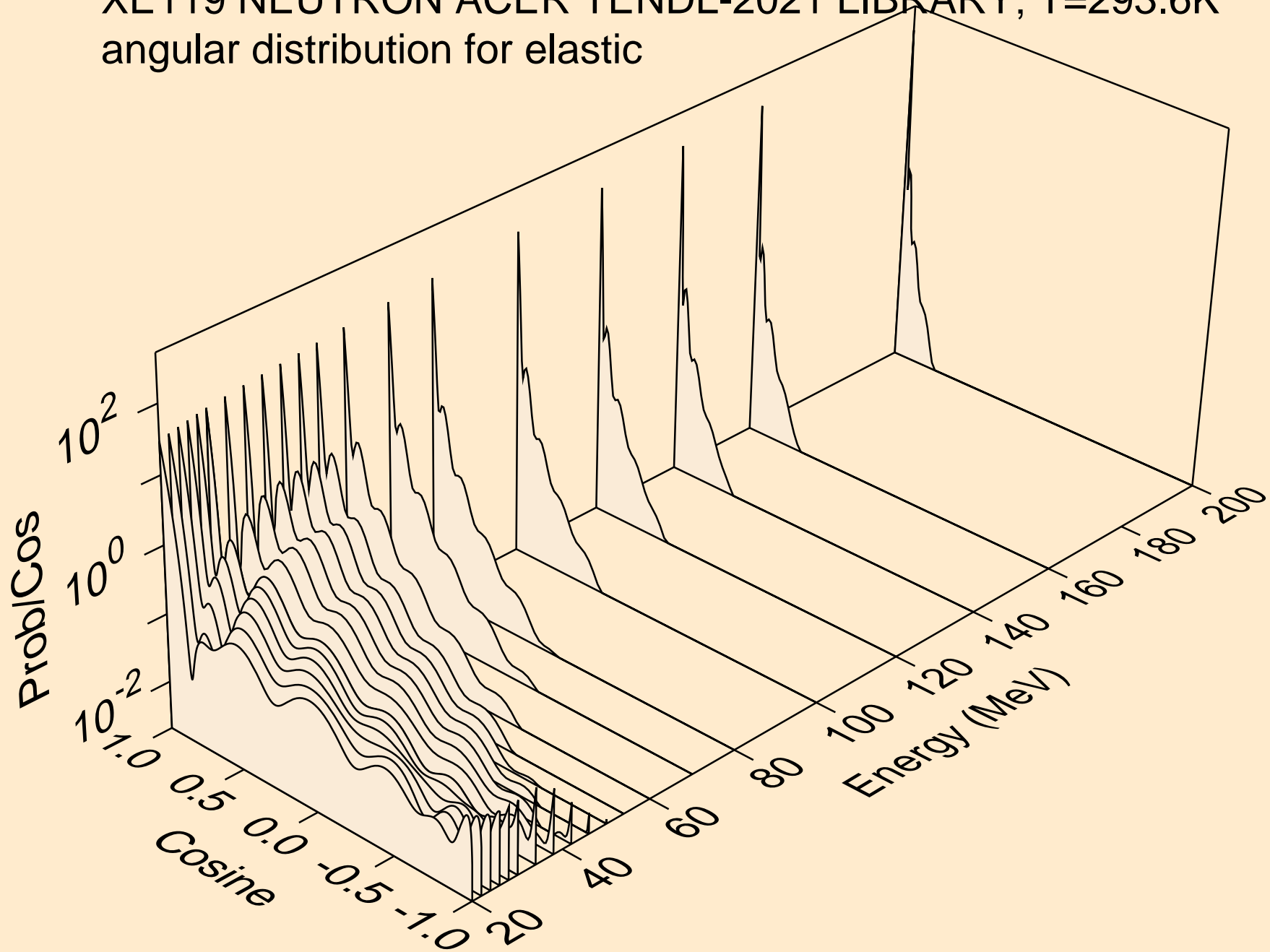
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic

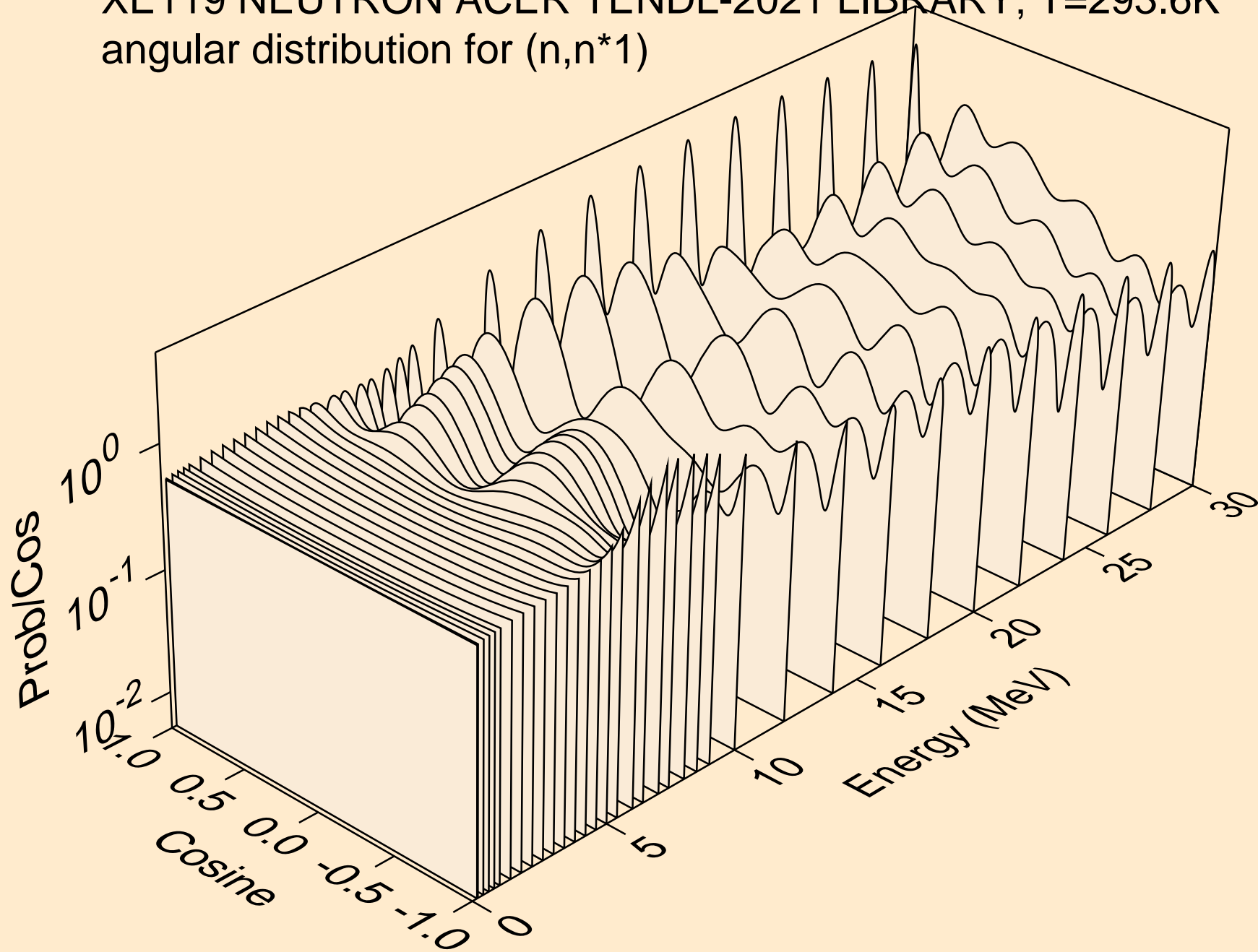


XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic

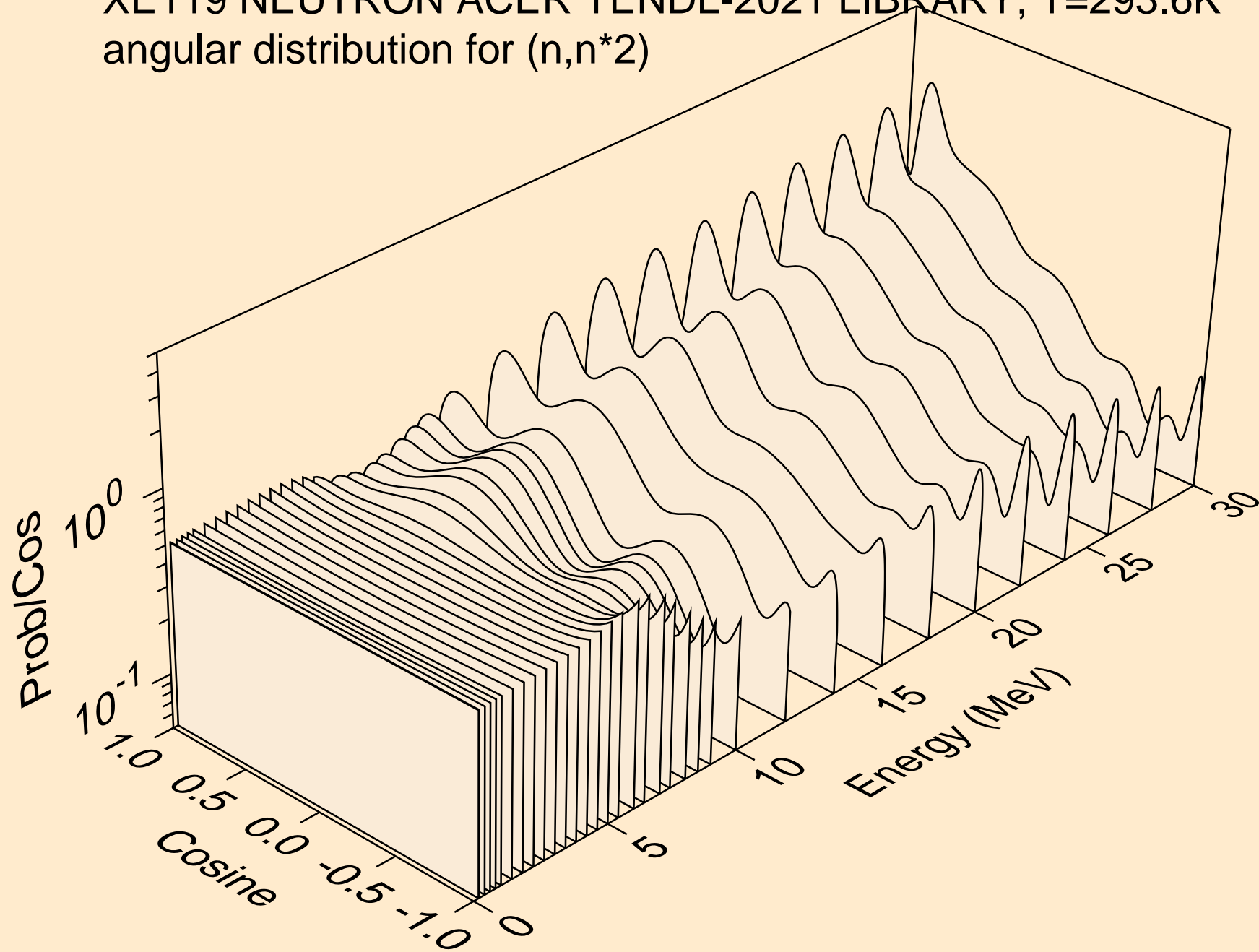




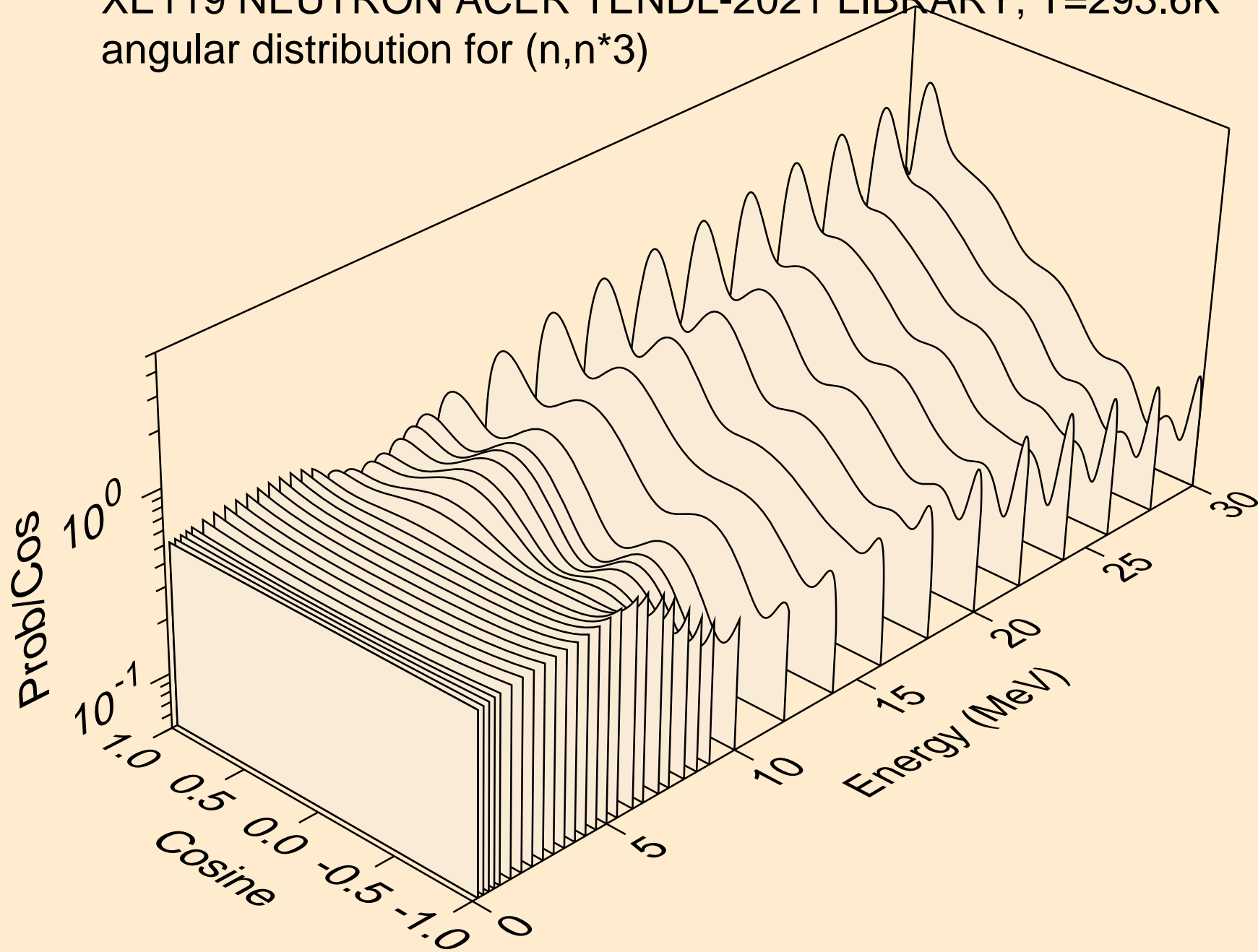
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



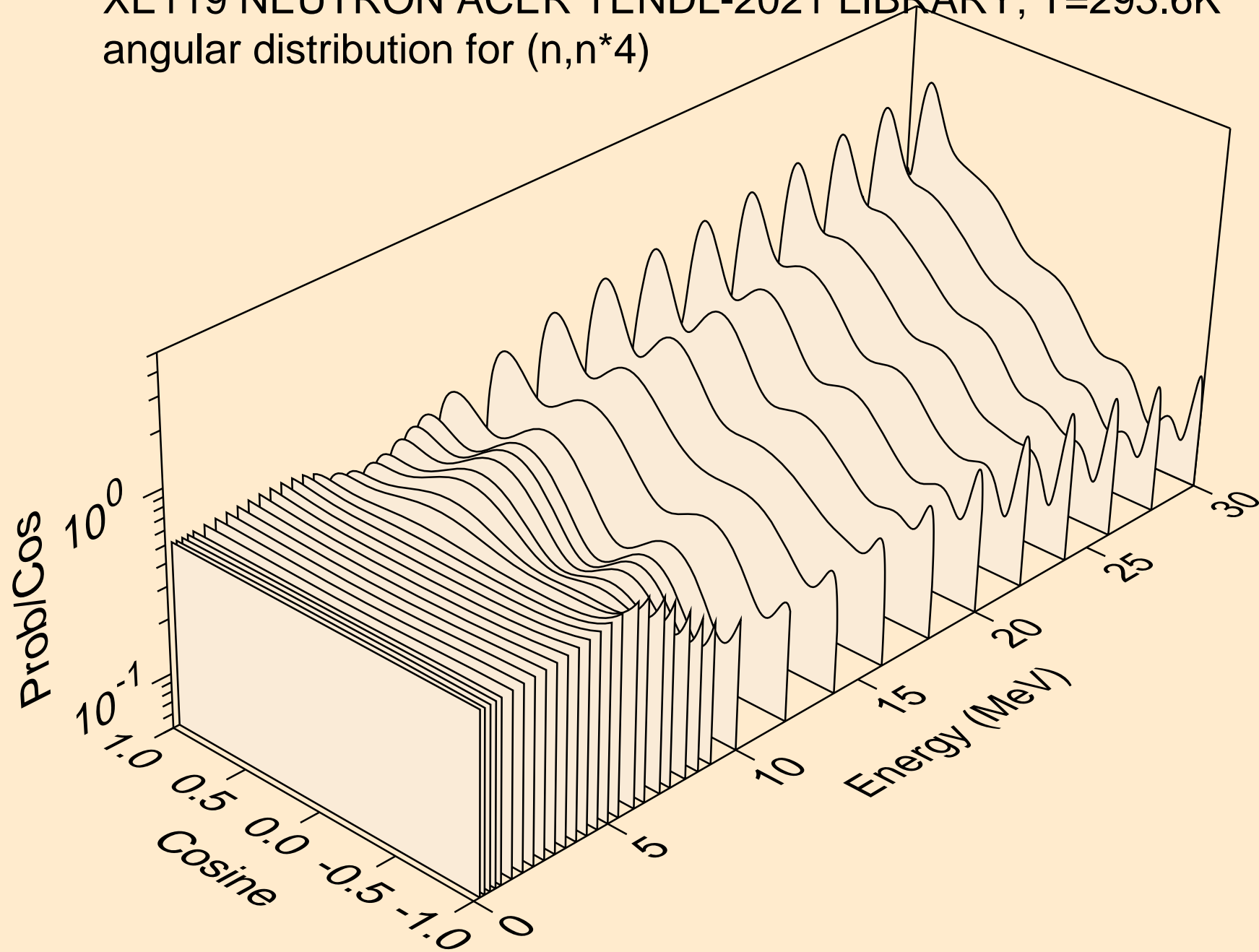
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



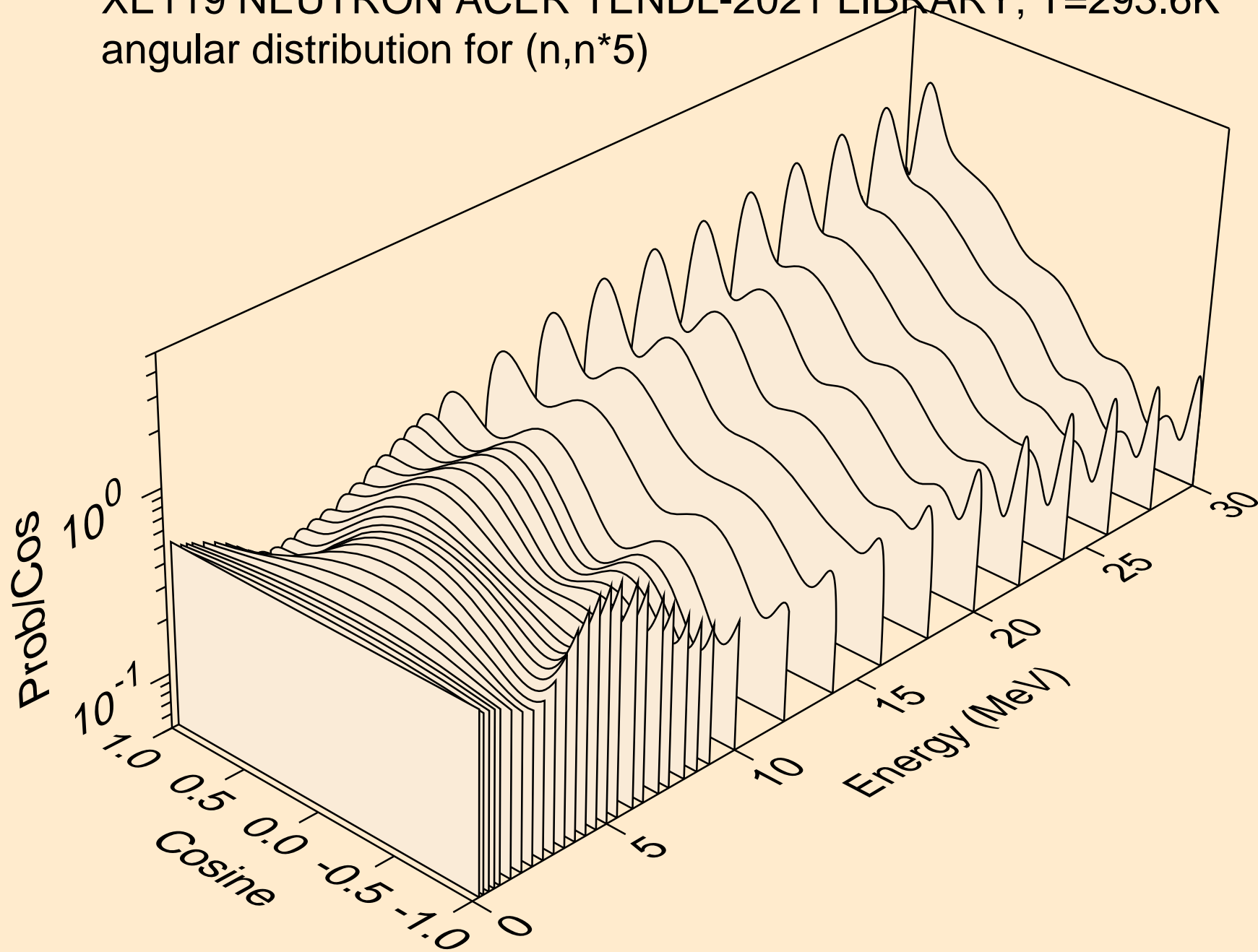
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)



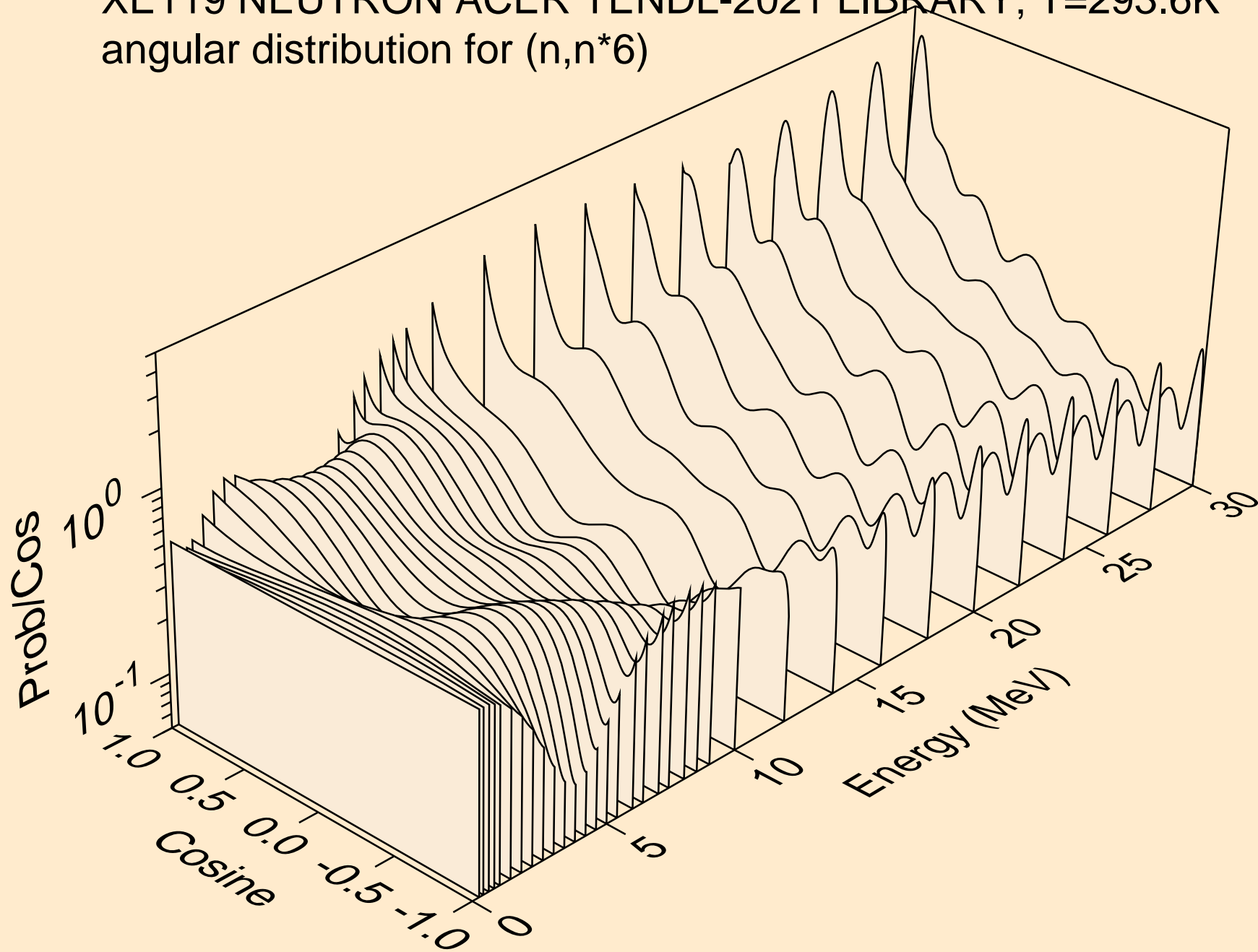
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*4)



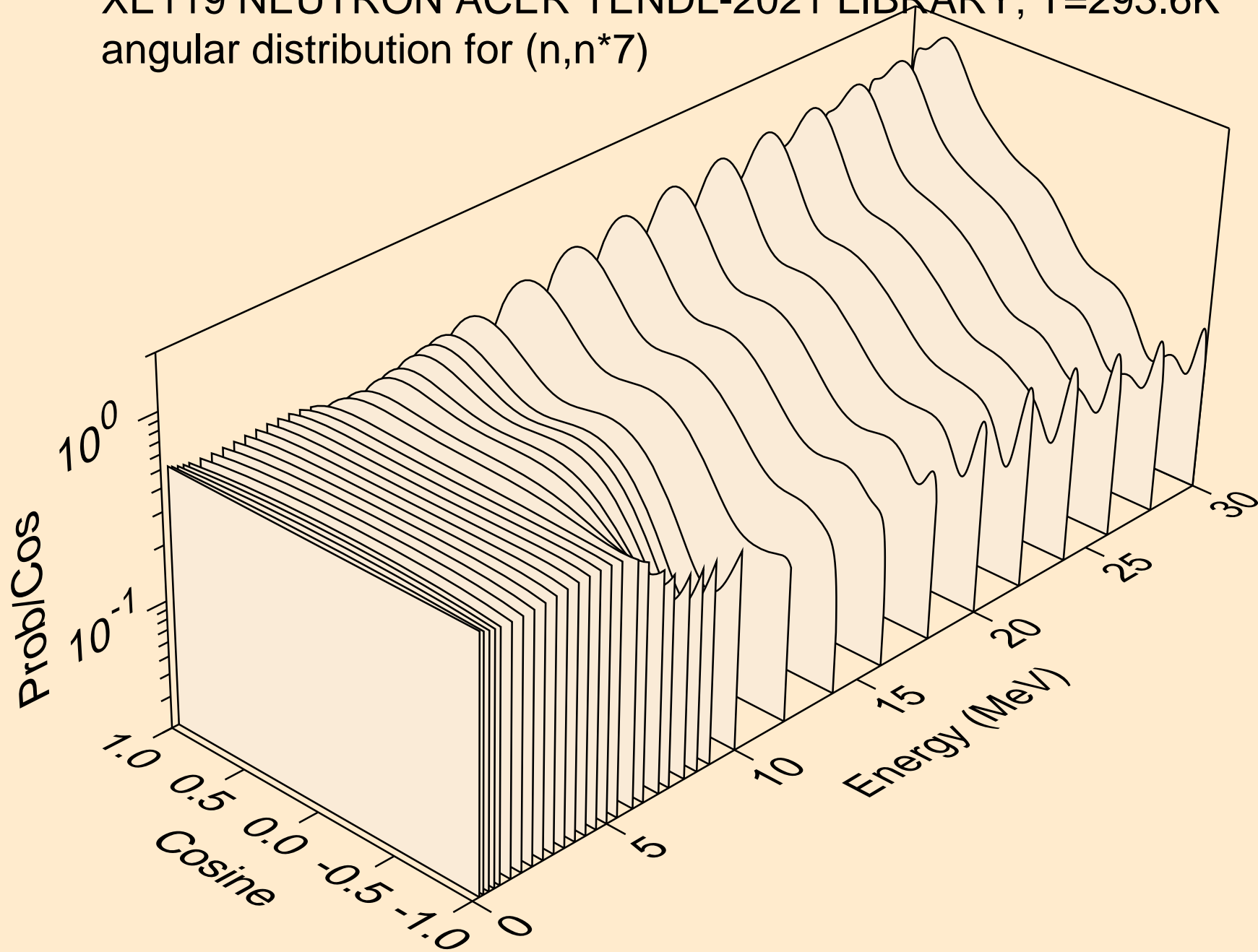
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)



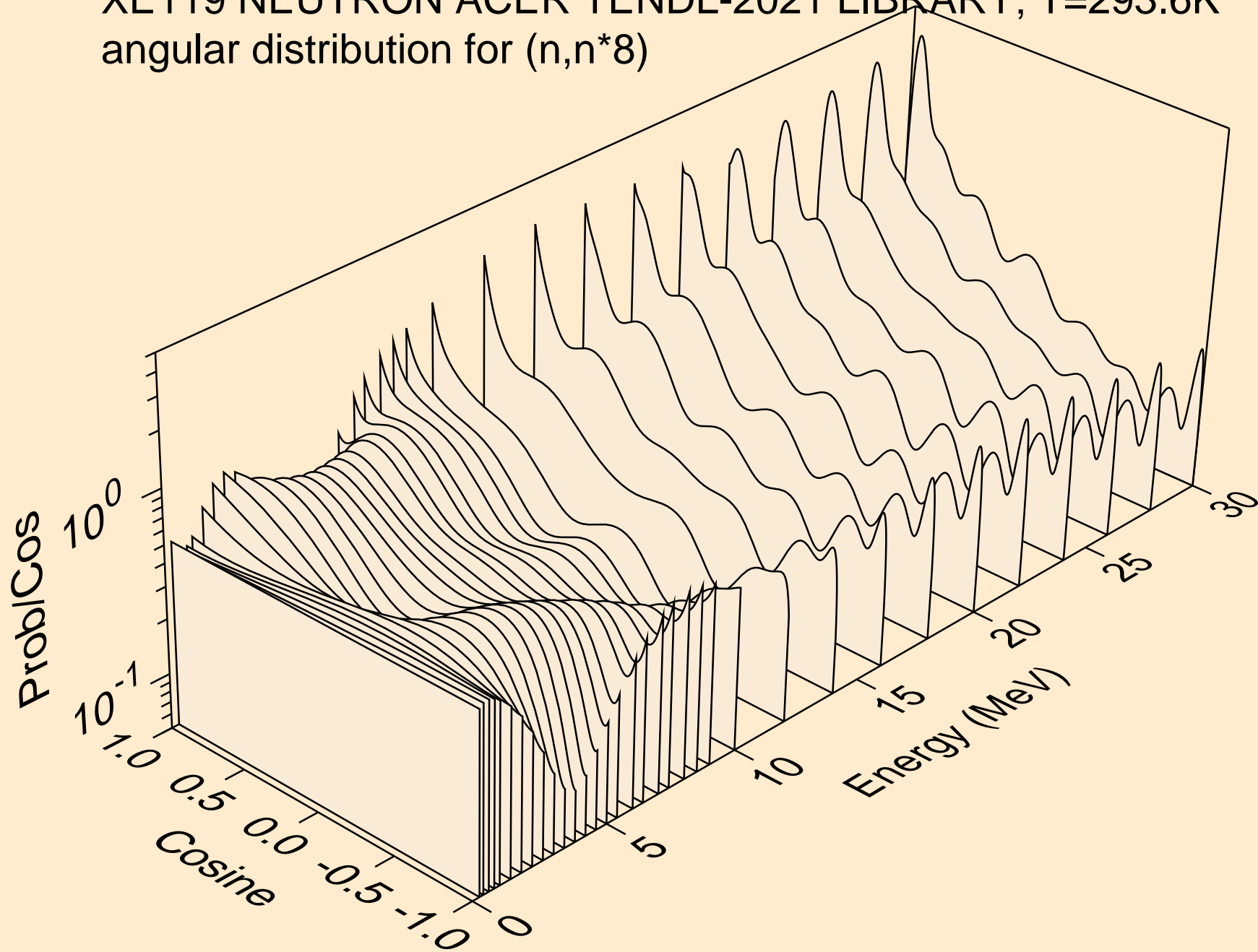
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)



XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)

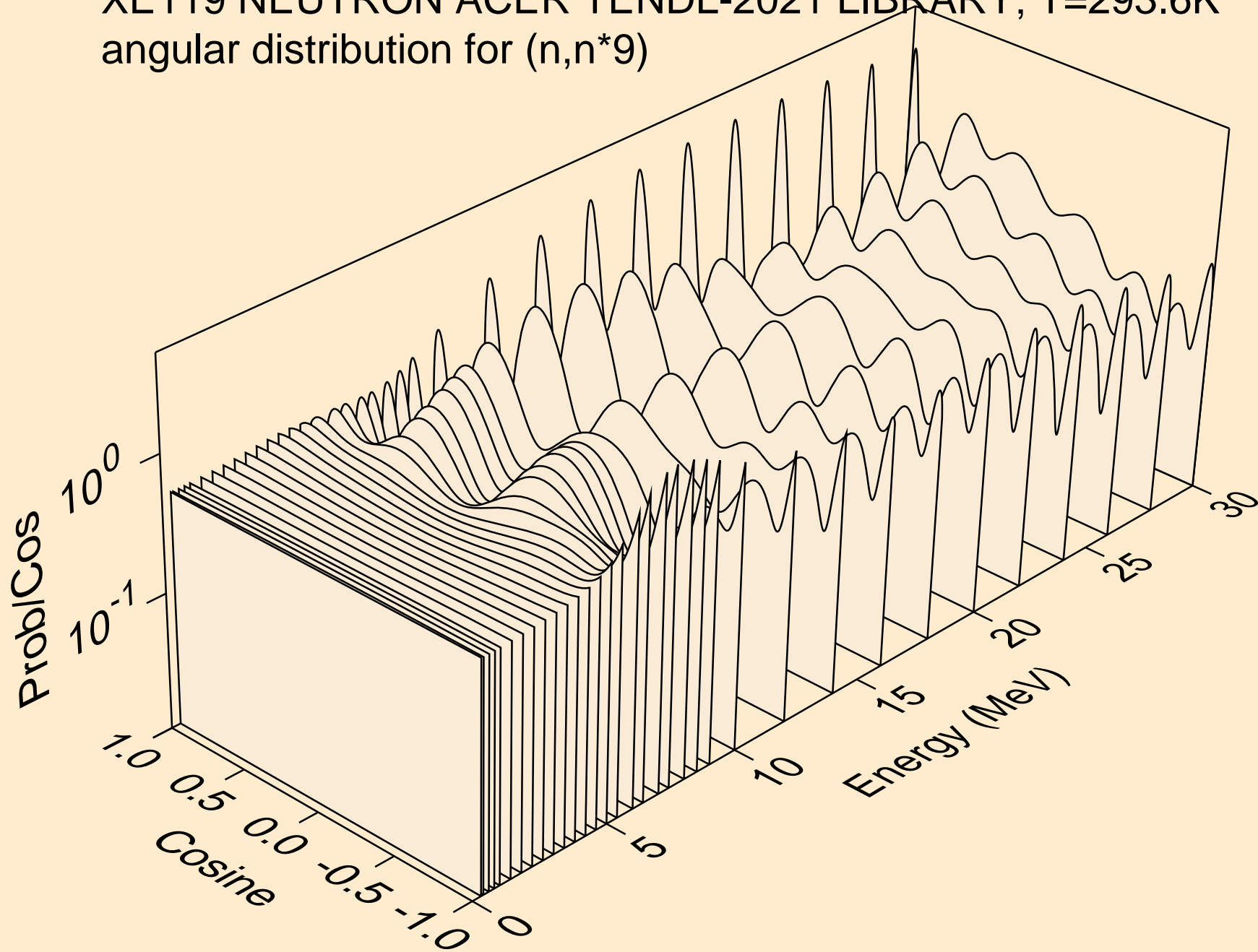


XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)

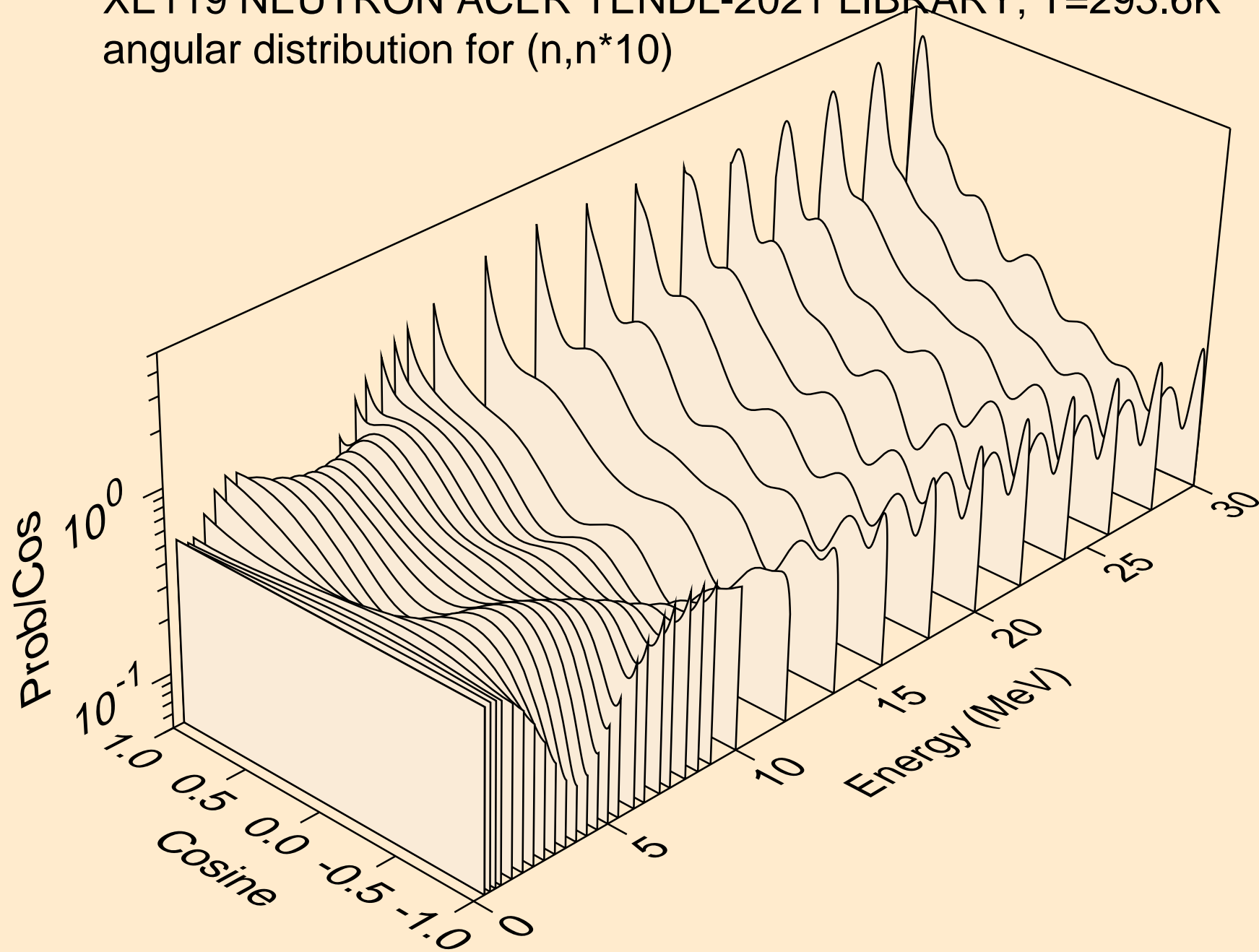




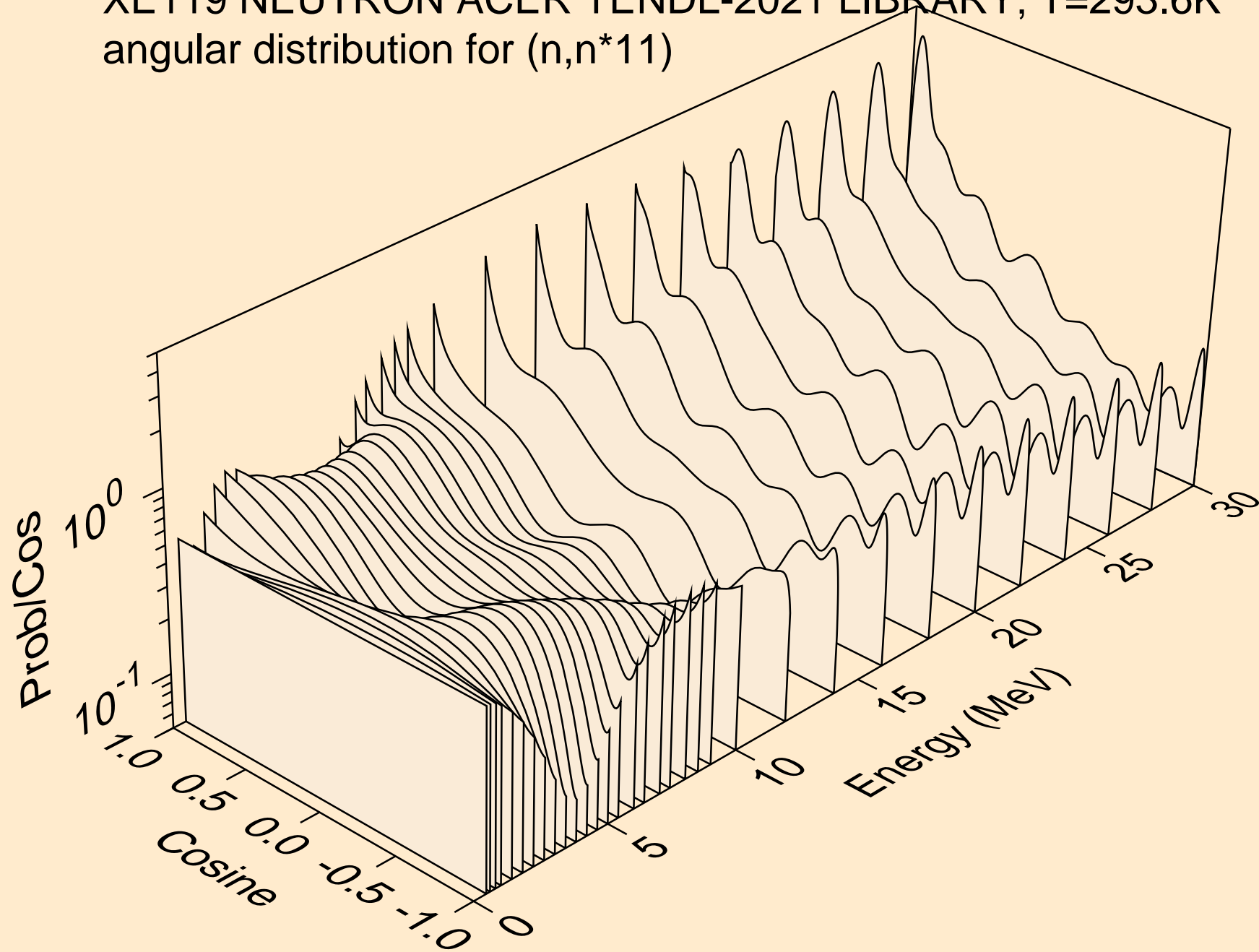
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)



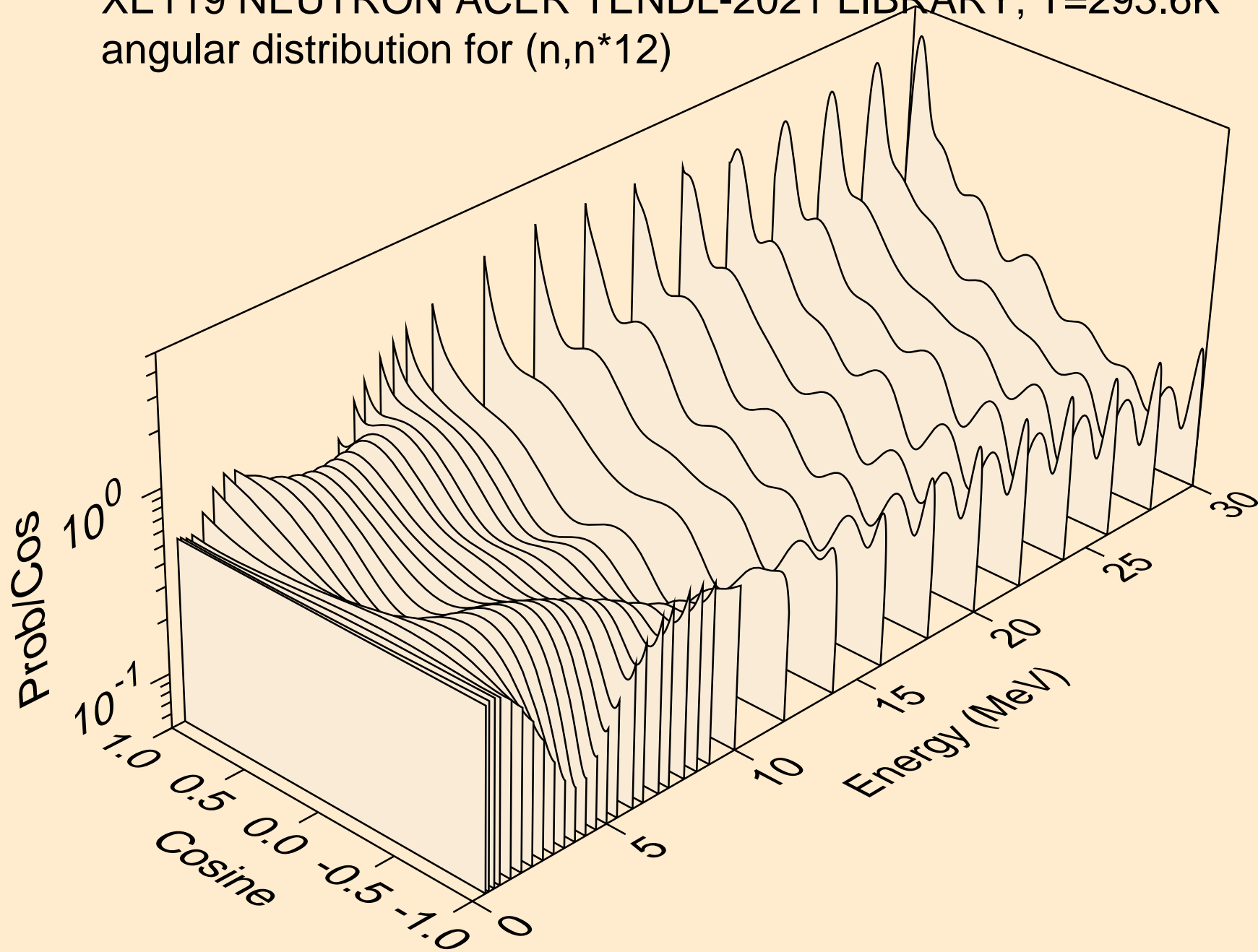
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*10)



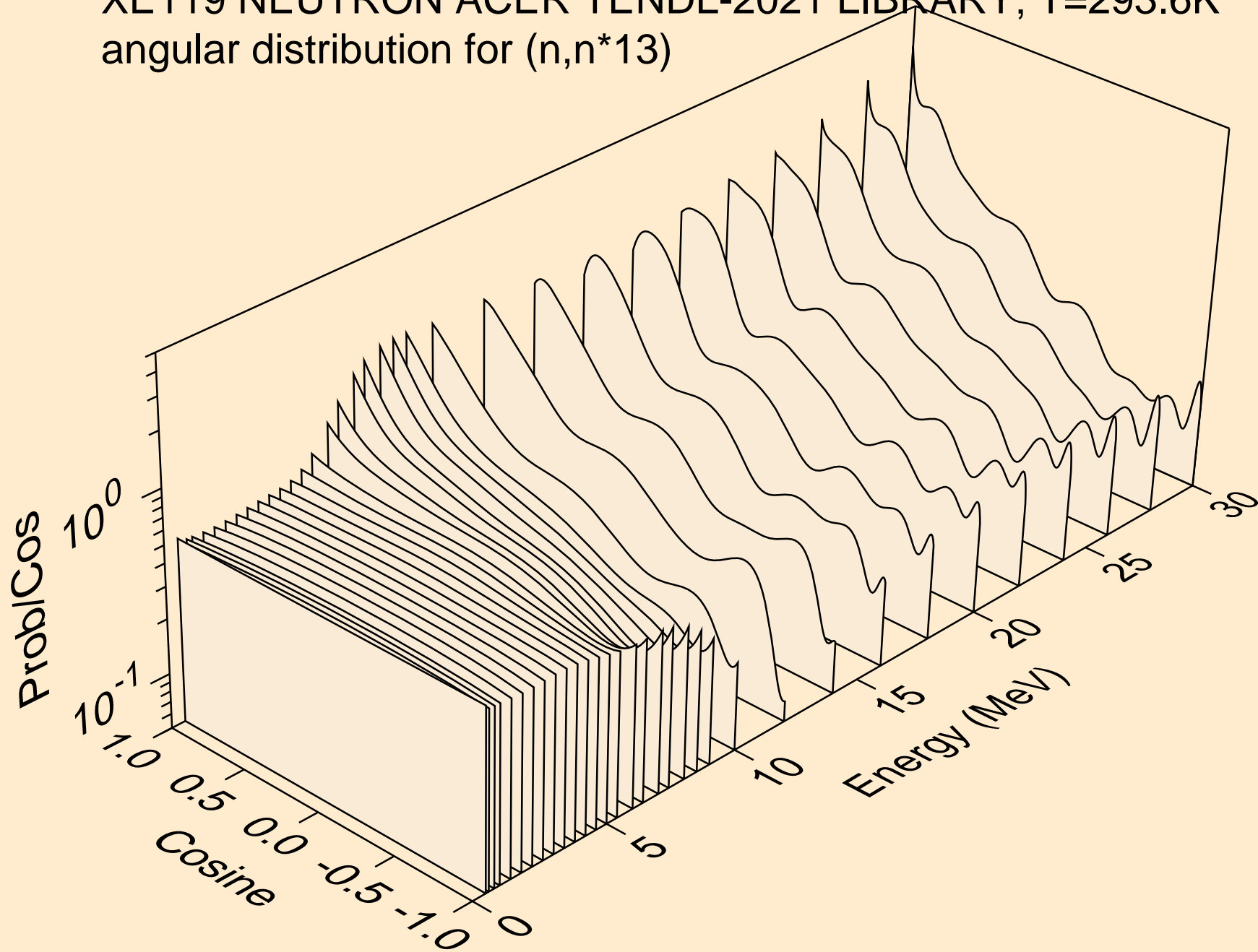
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*11)



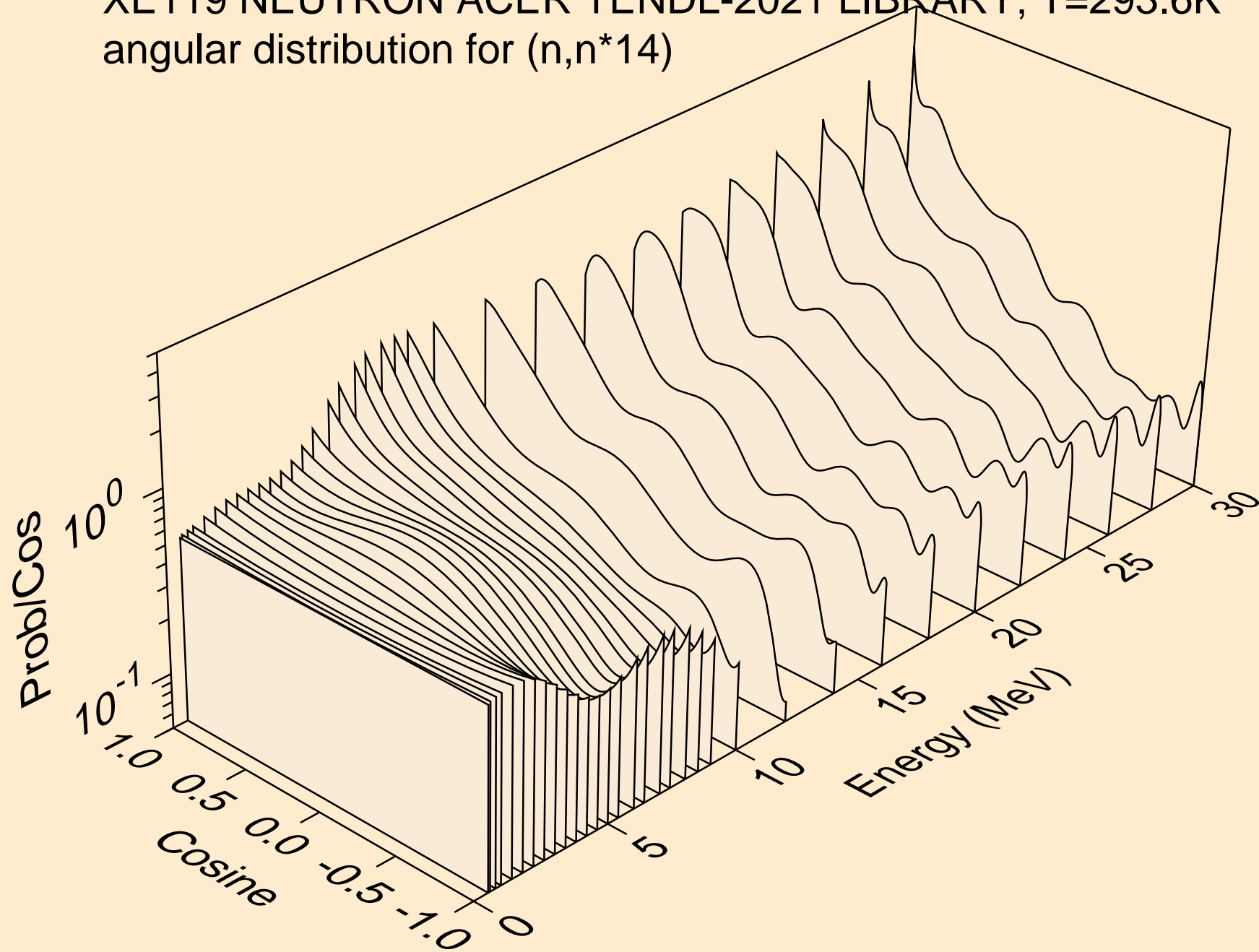
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*12)



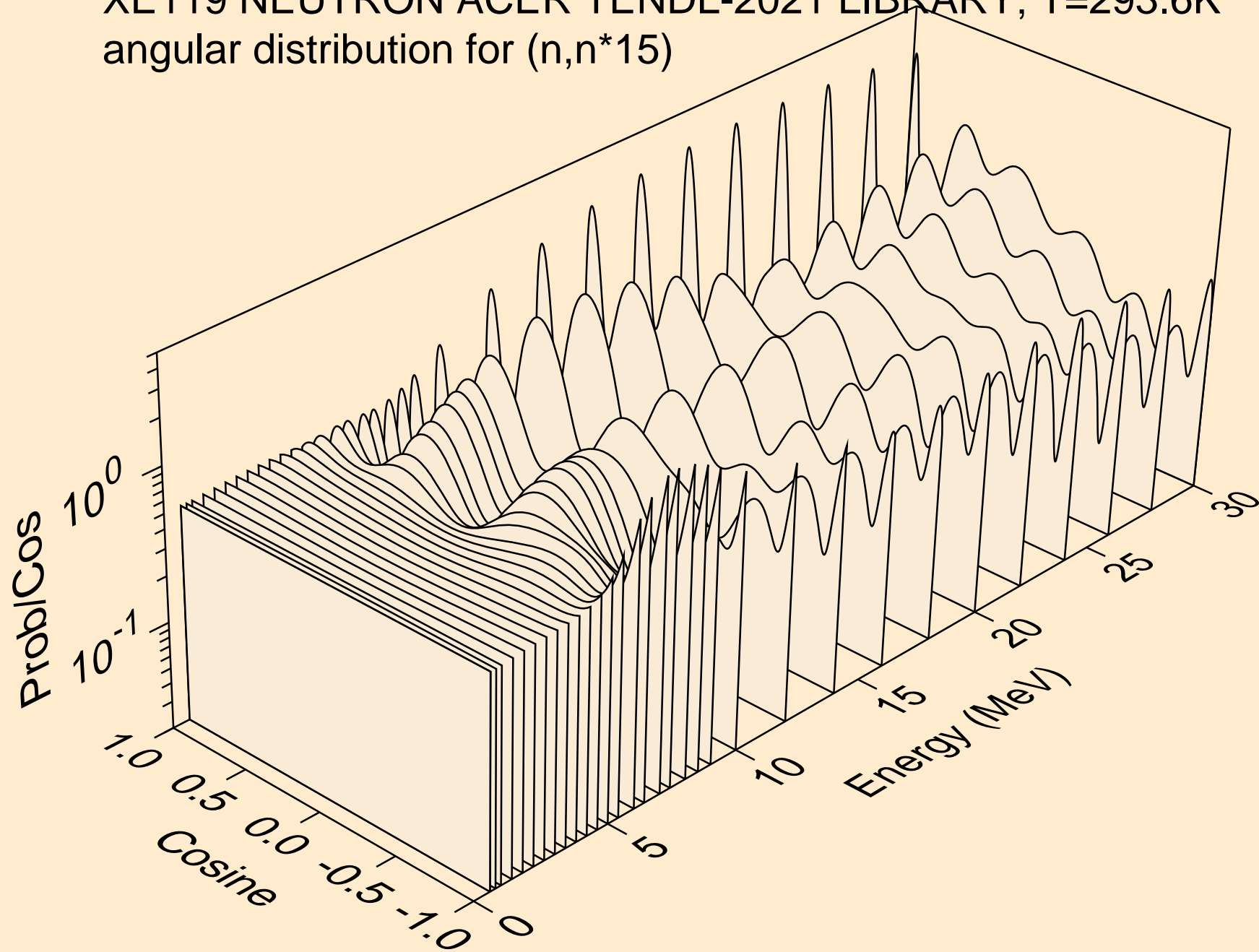
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*13)



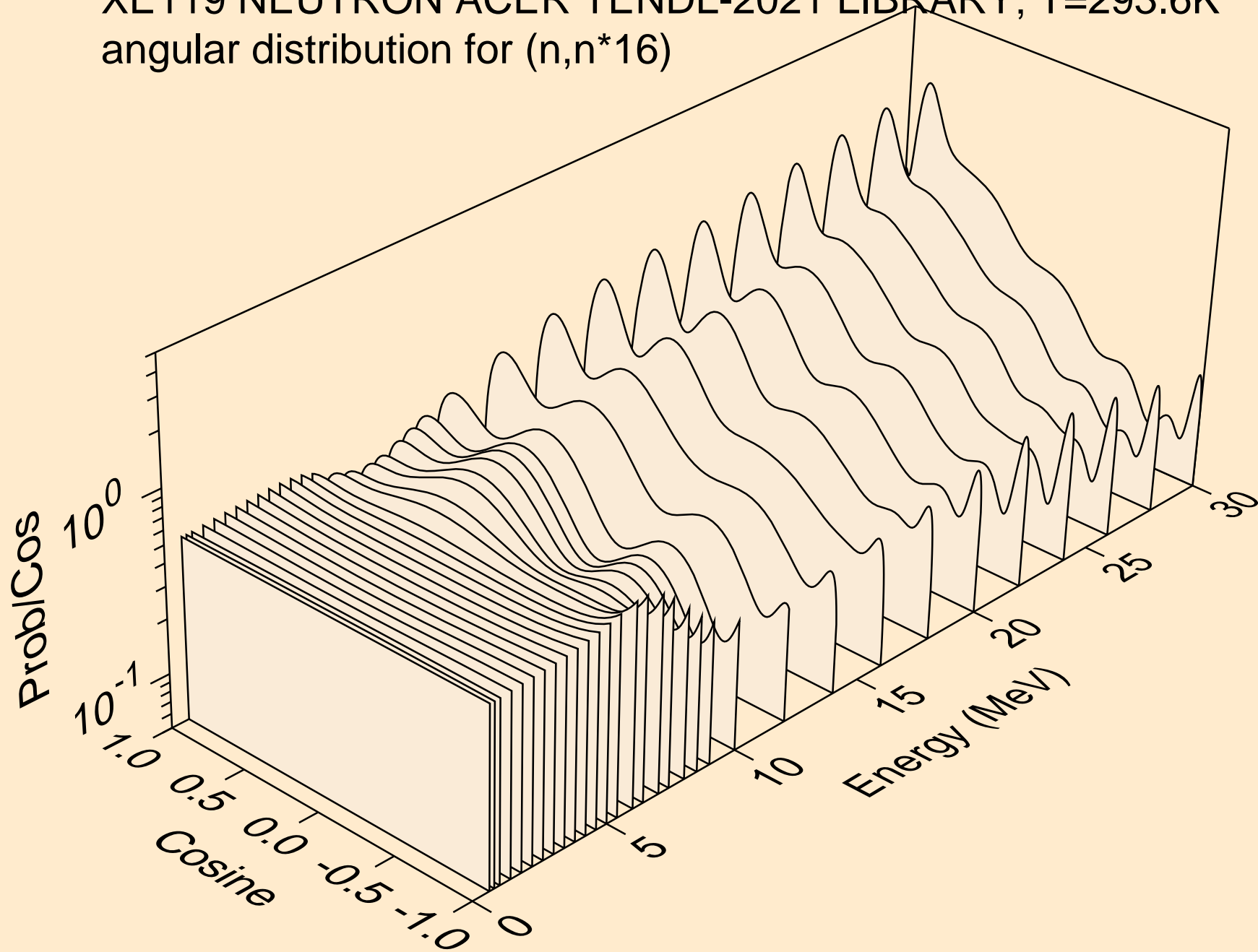
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*14)



XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*15)

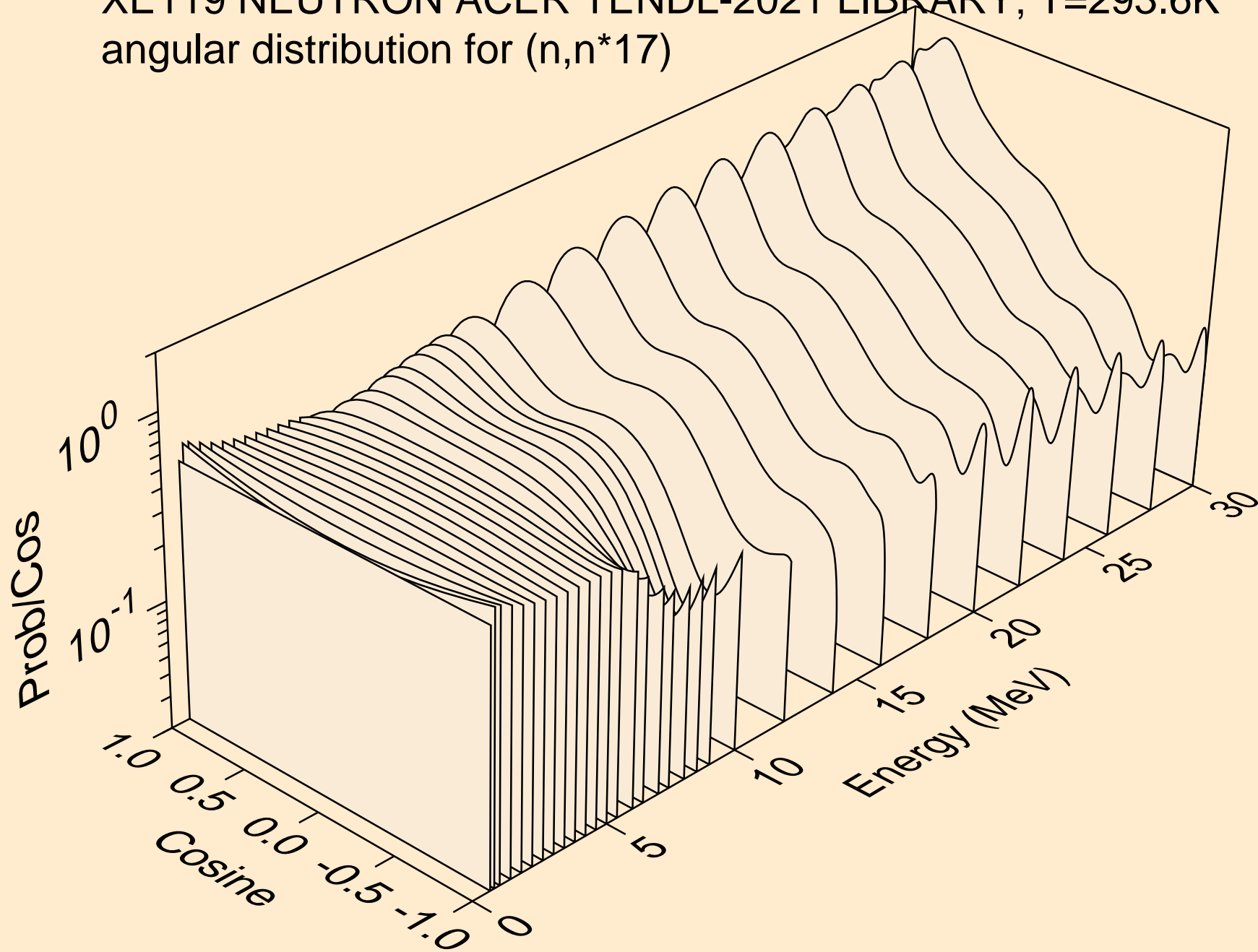


XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*16)

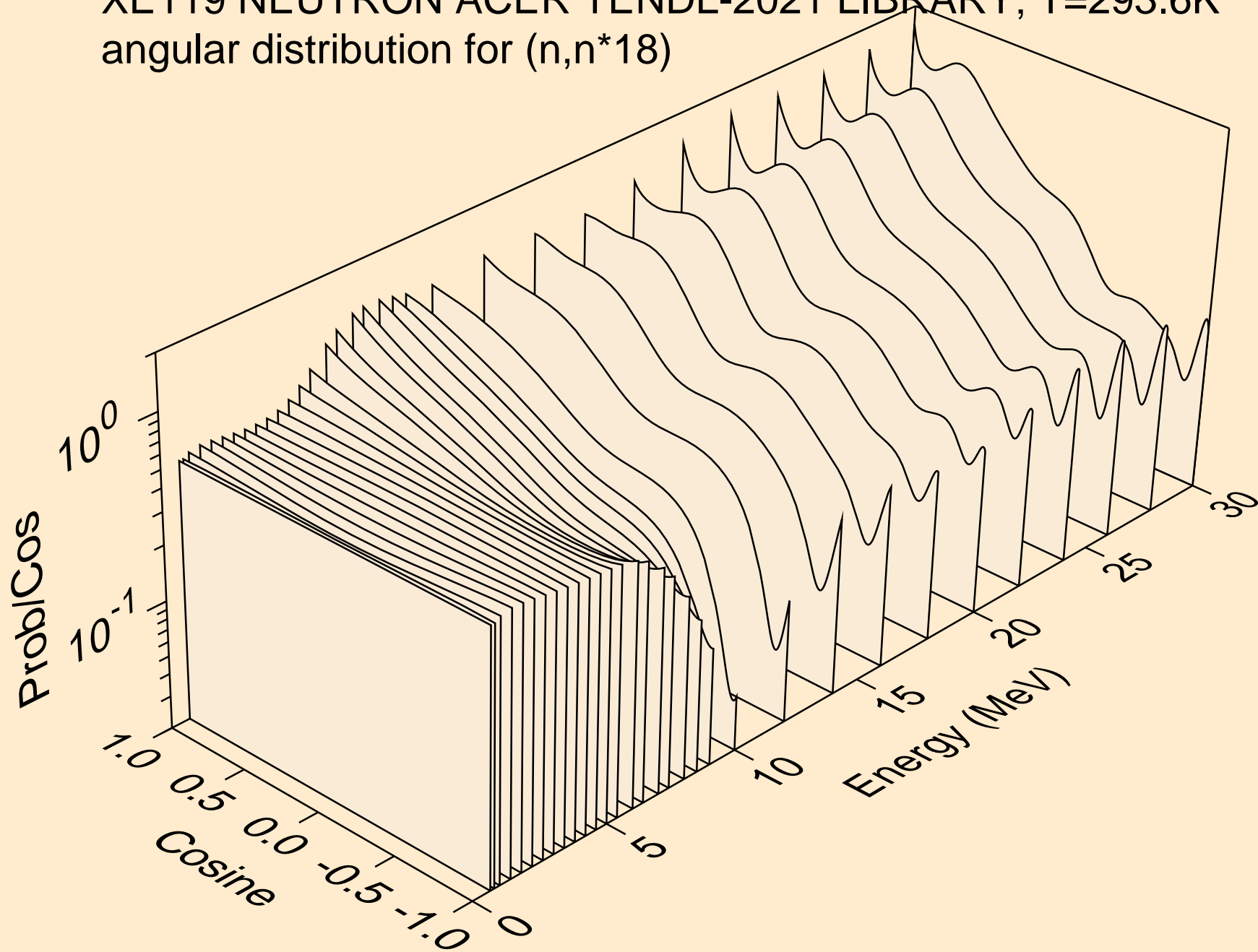




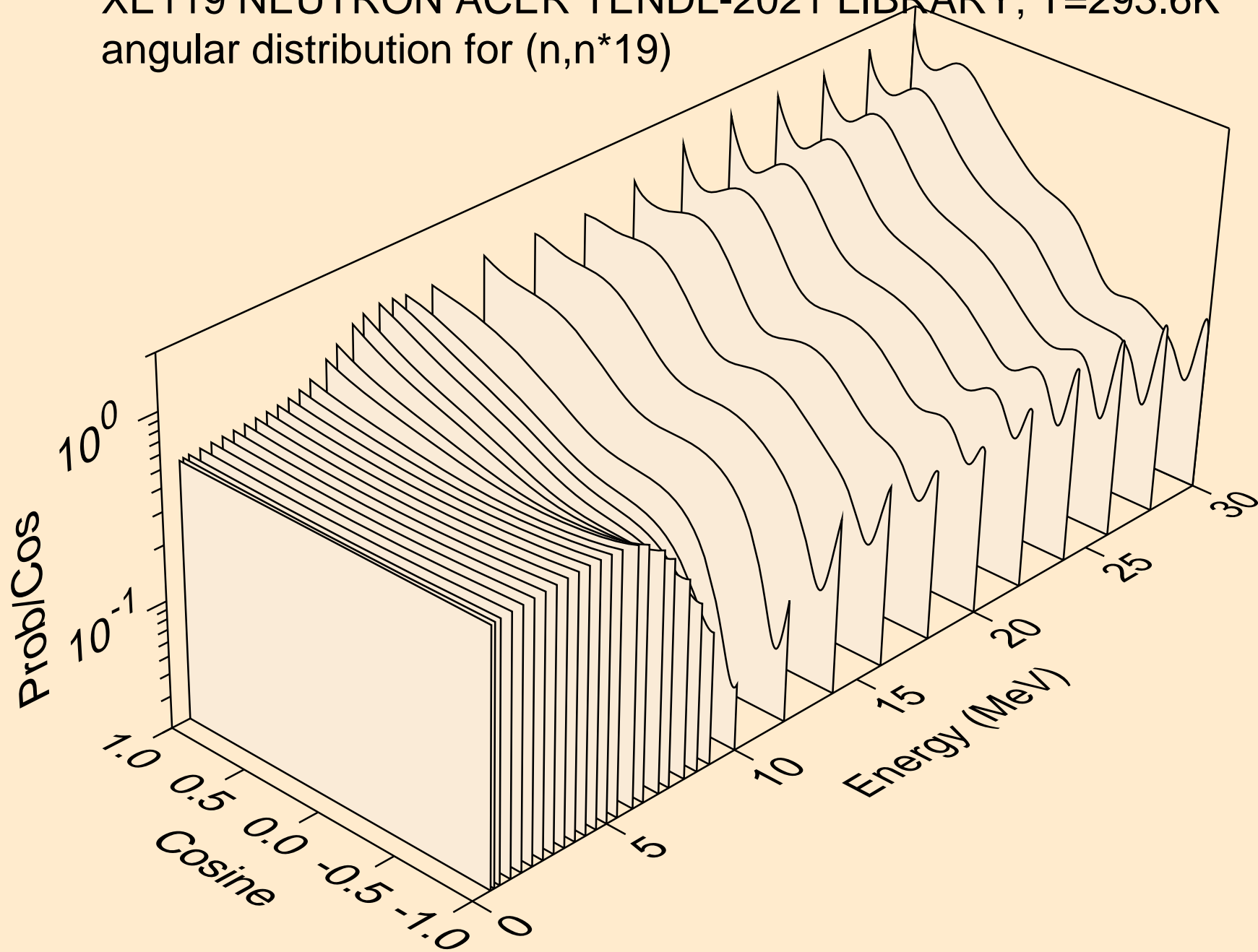
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*17)



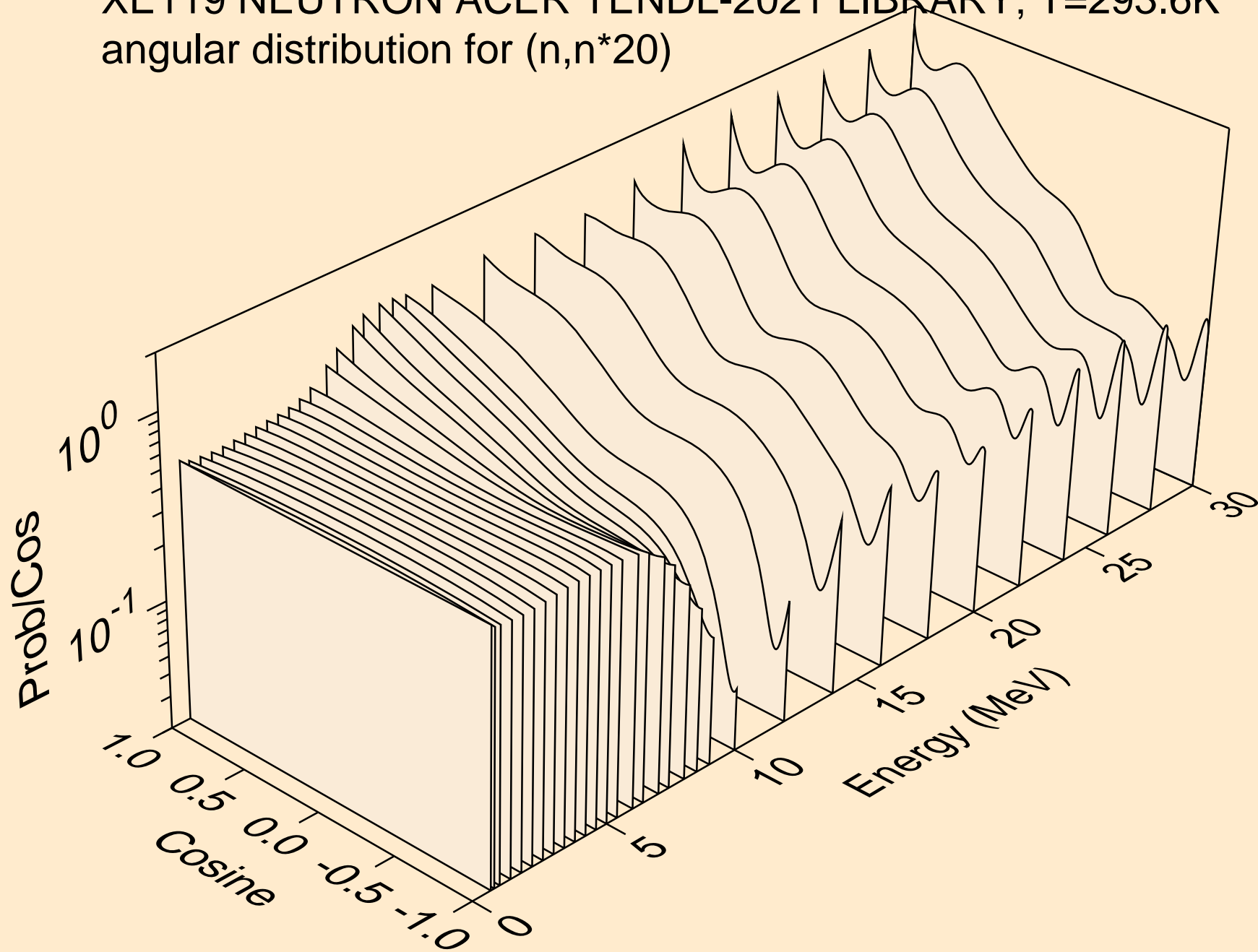
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*18)



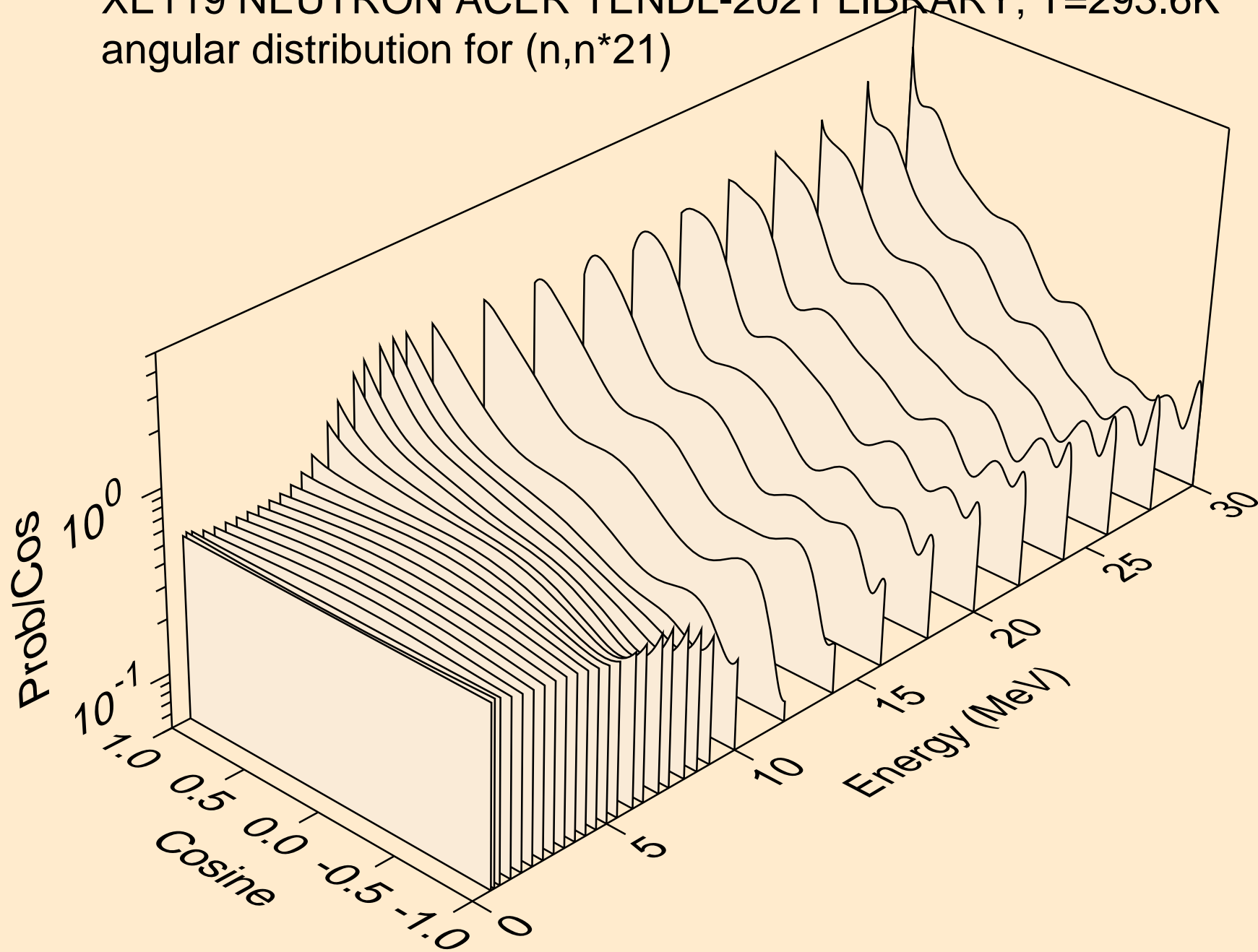
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*19)



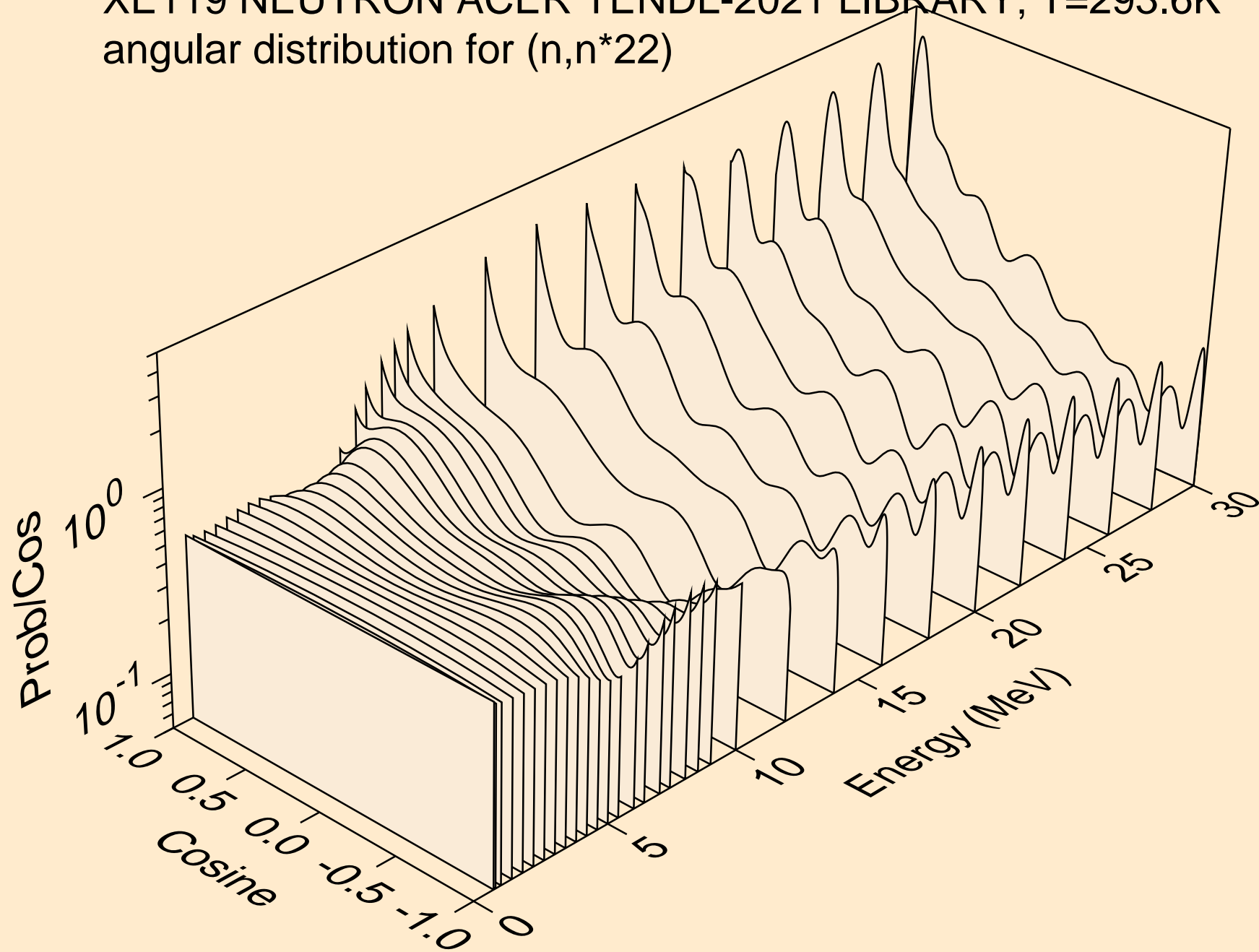
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*20)



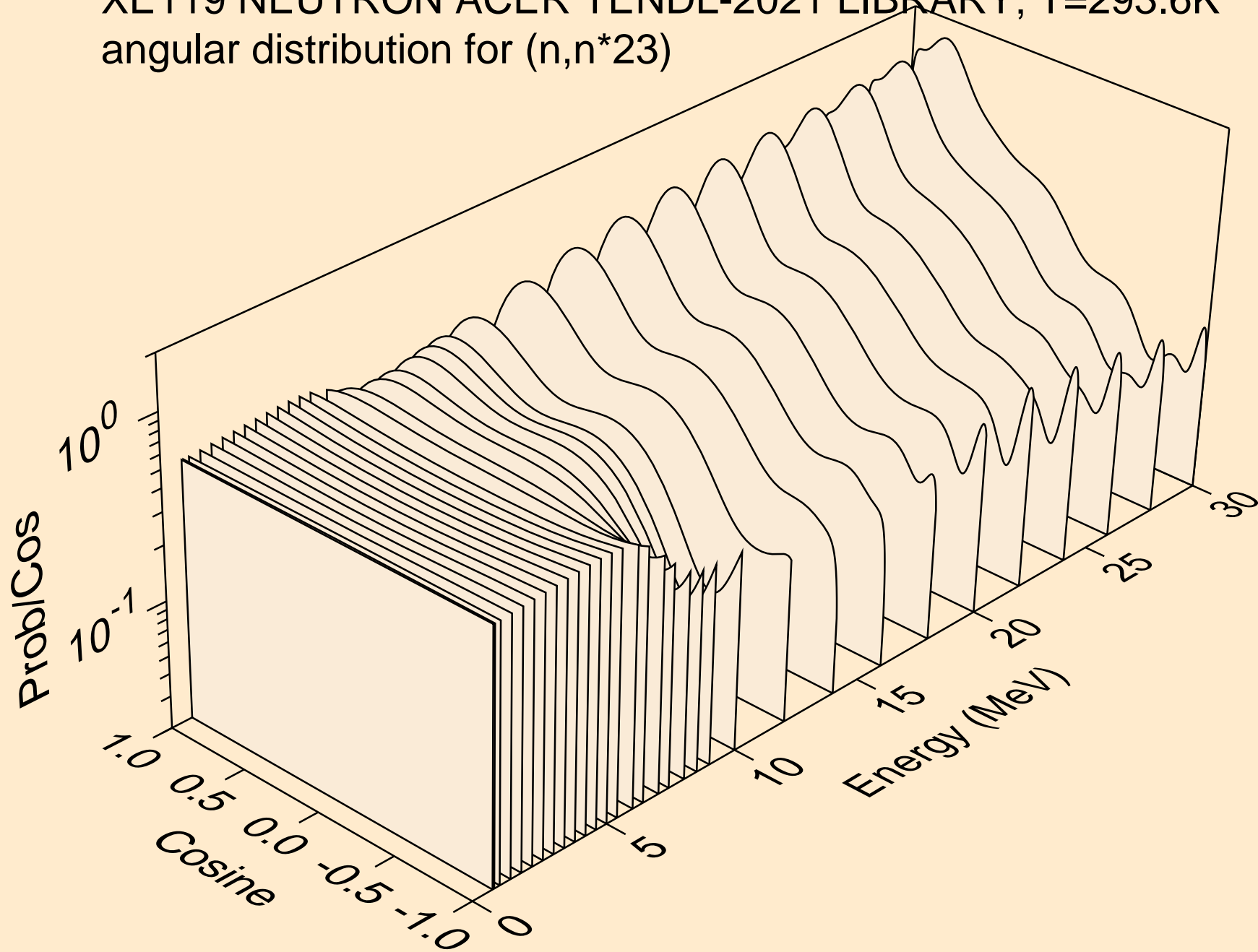
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*21)



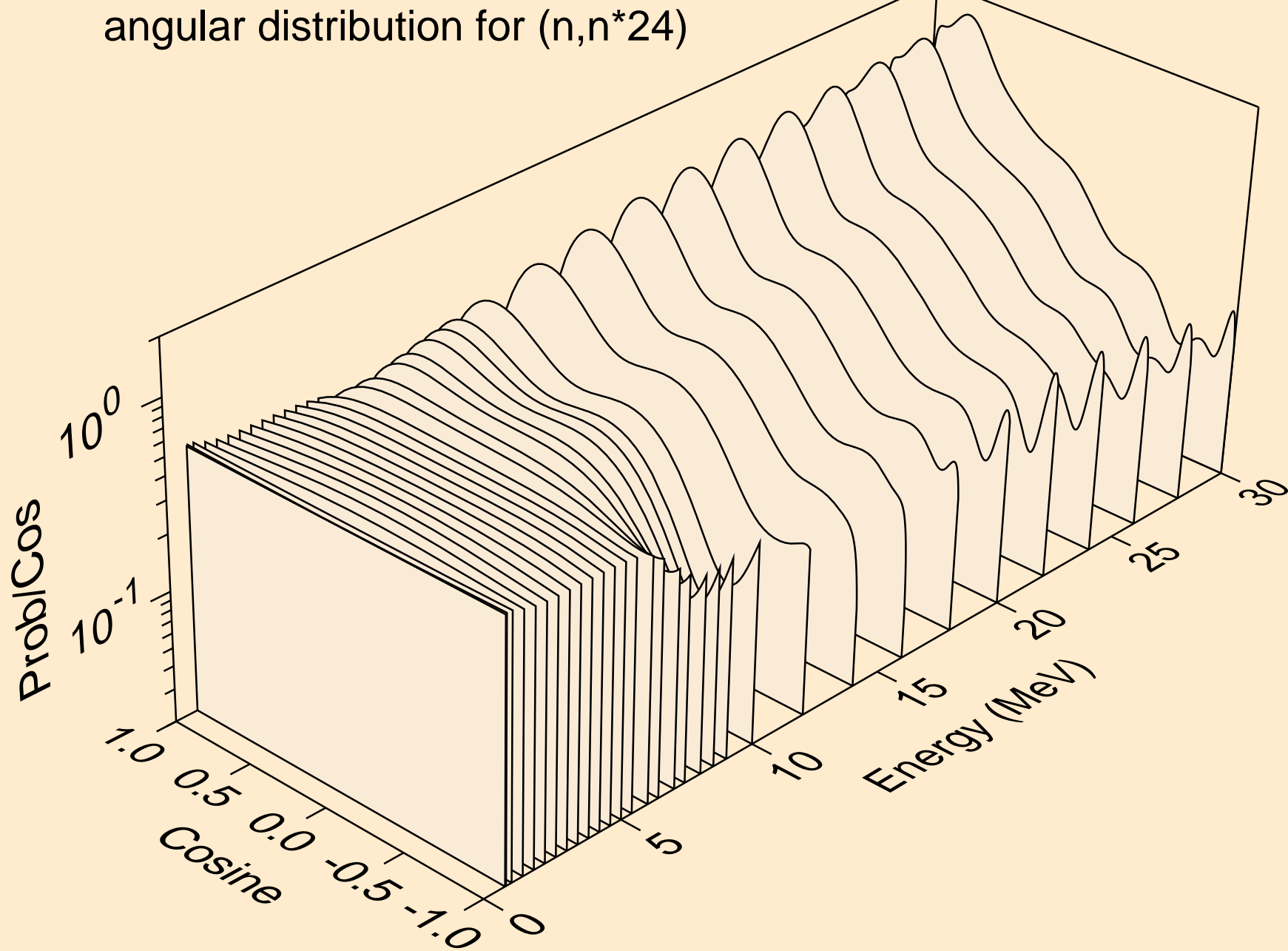
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*22)



XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*23)

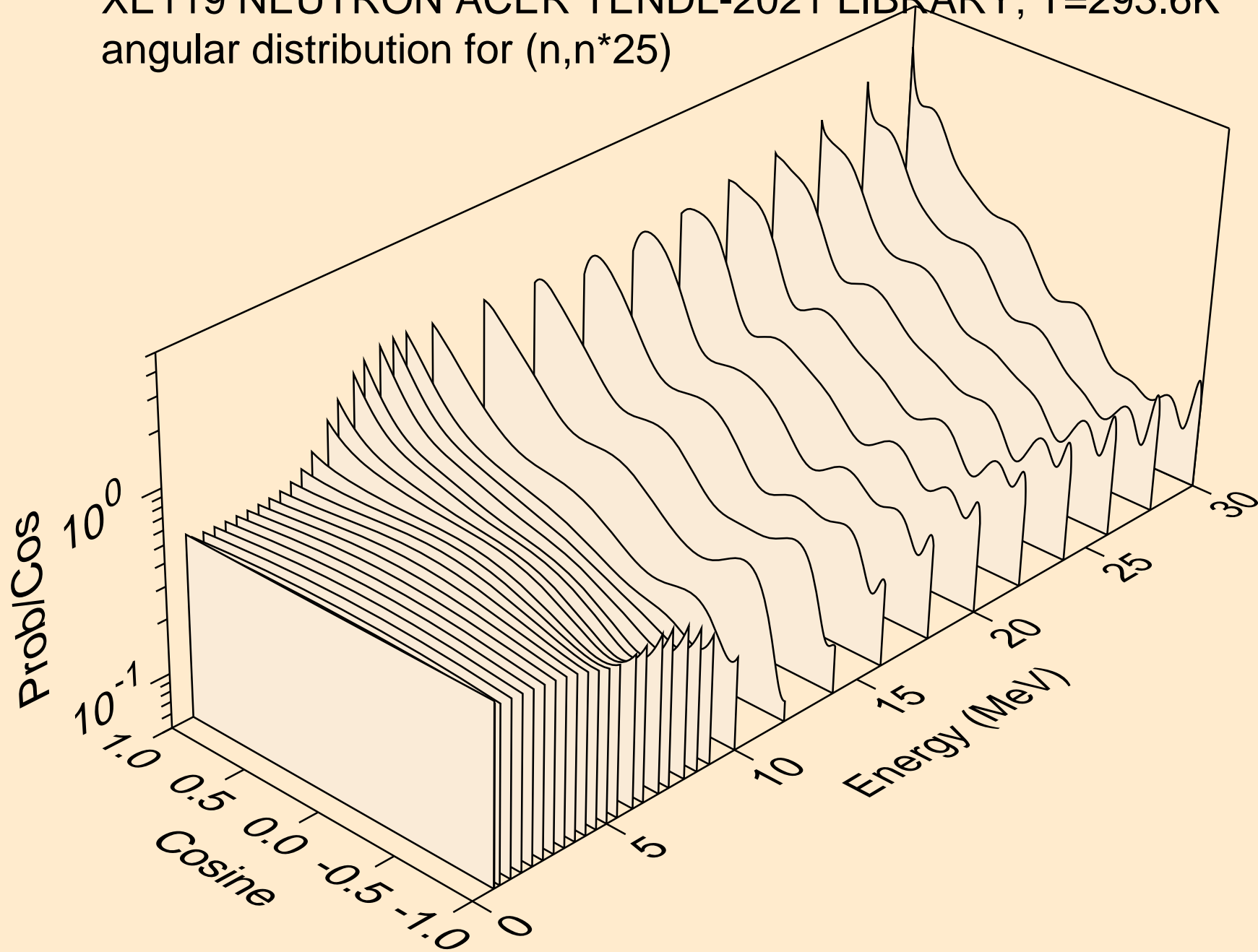


XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*24)

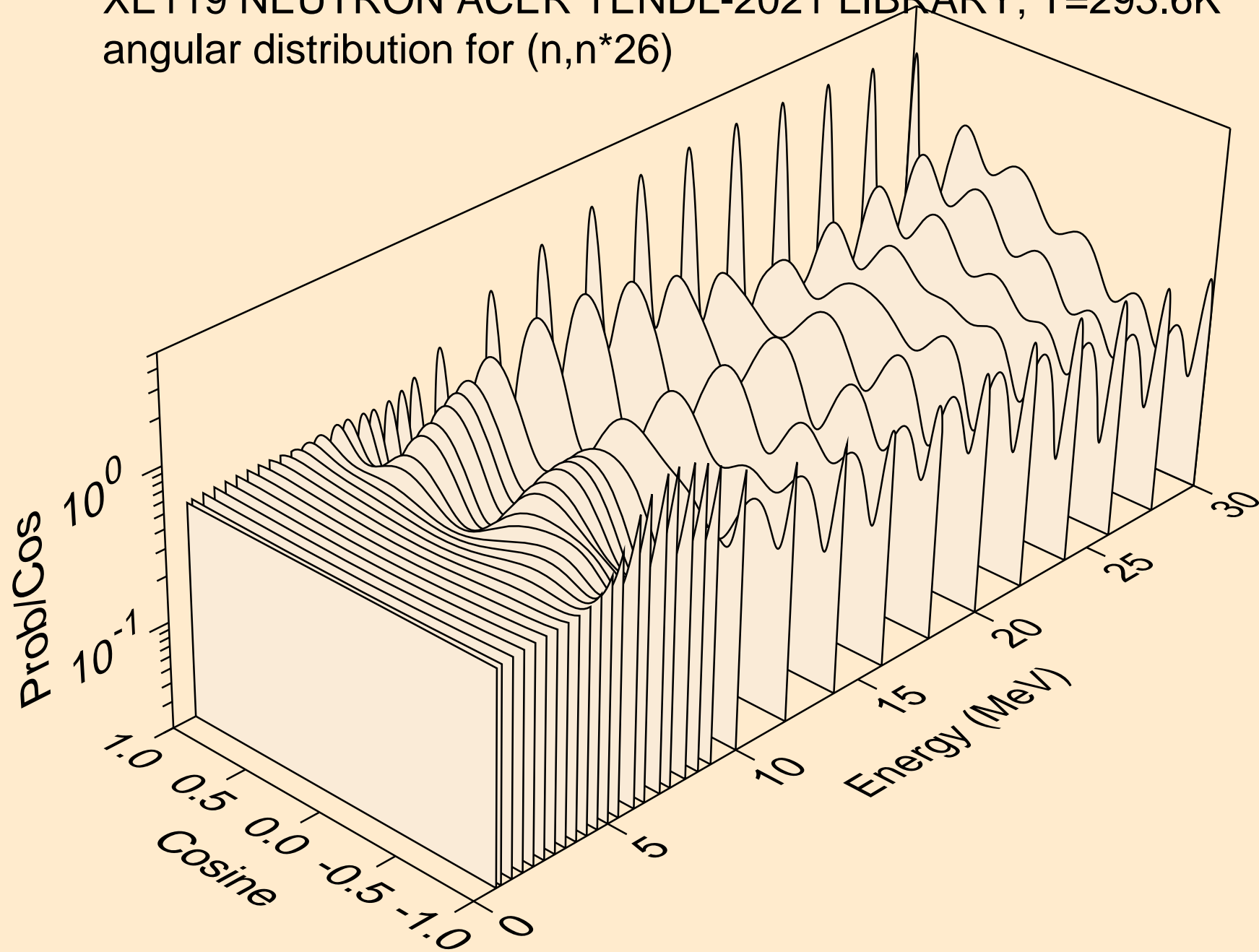




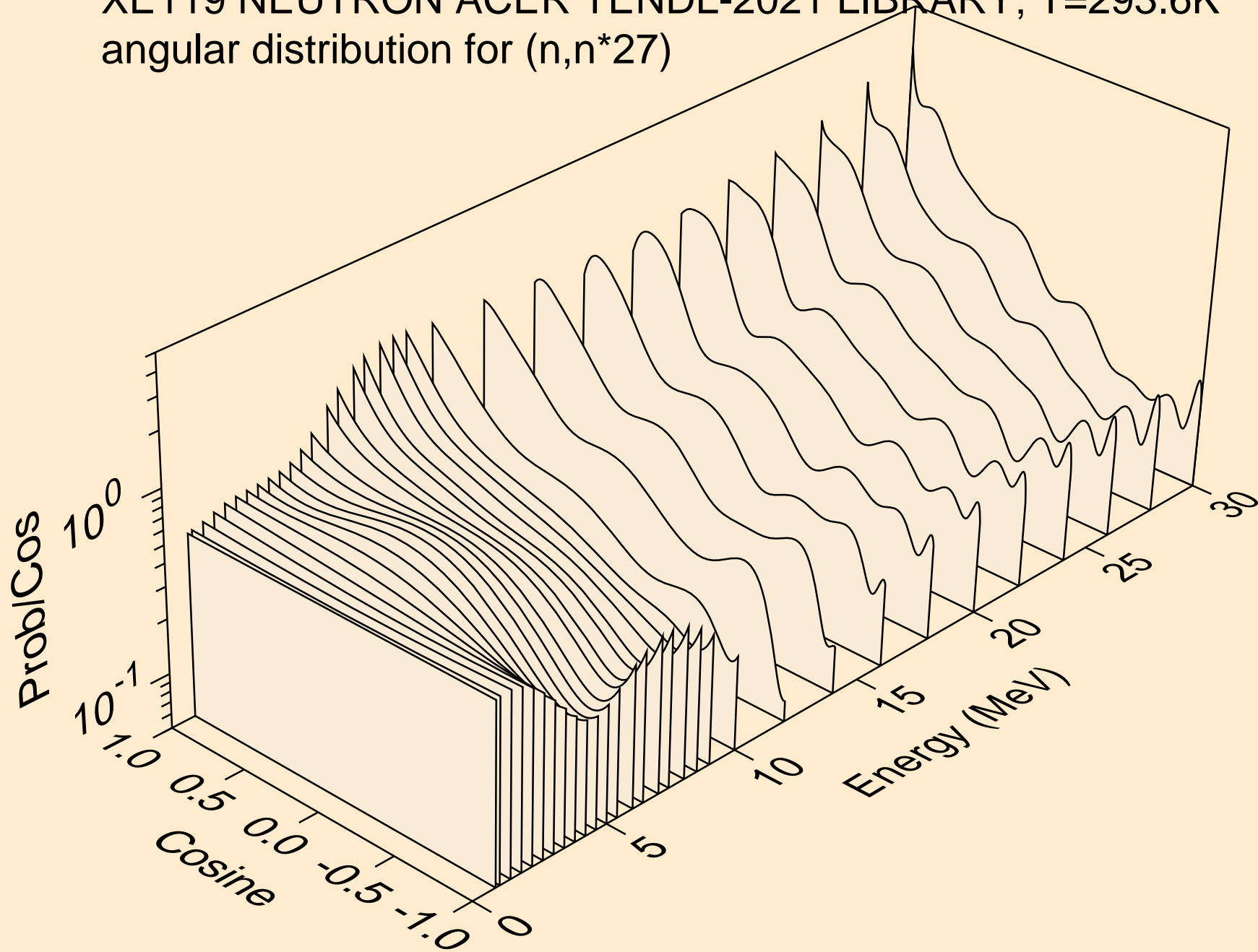
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*25)



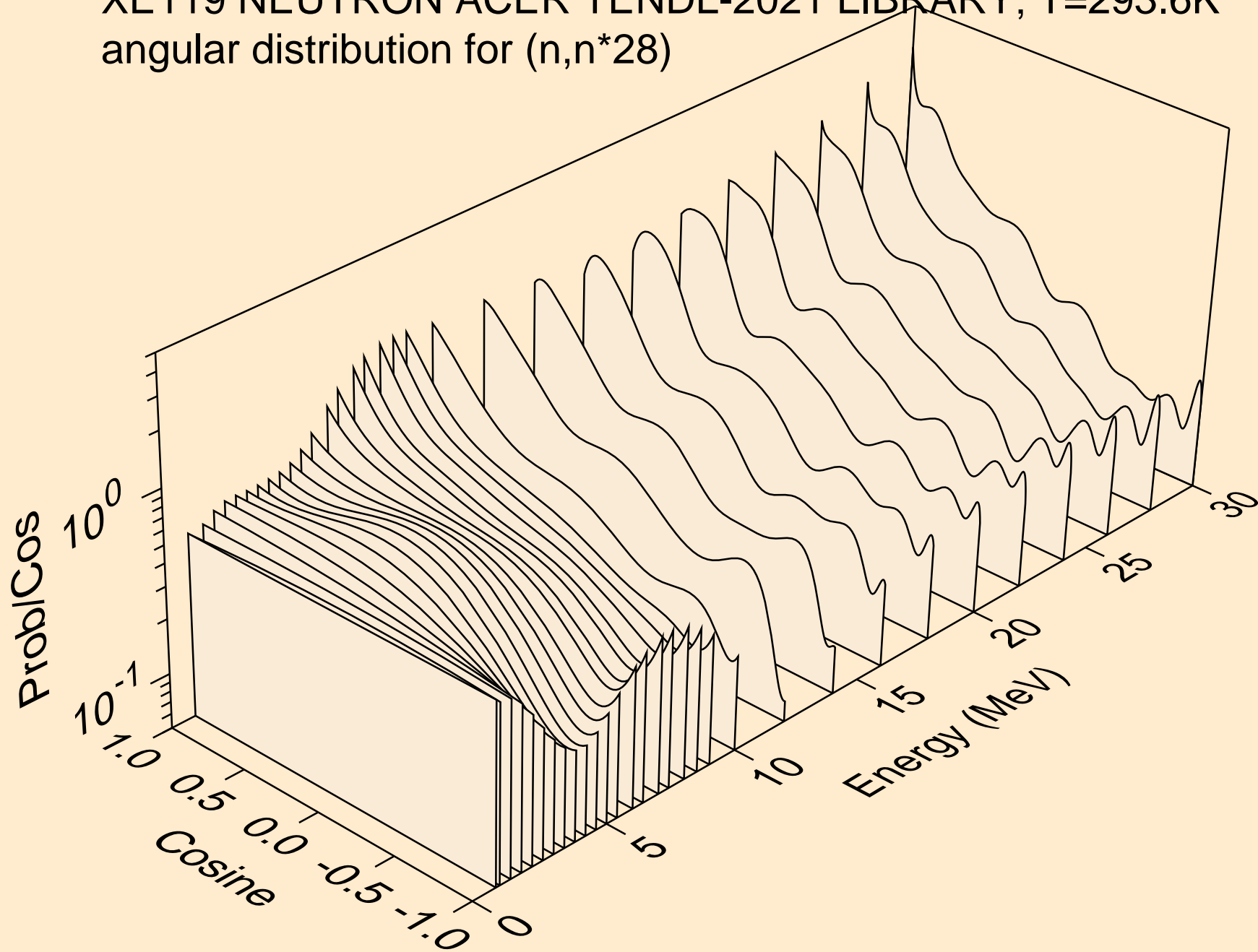
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*26)



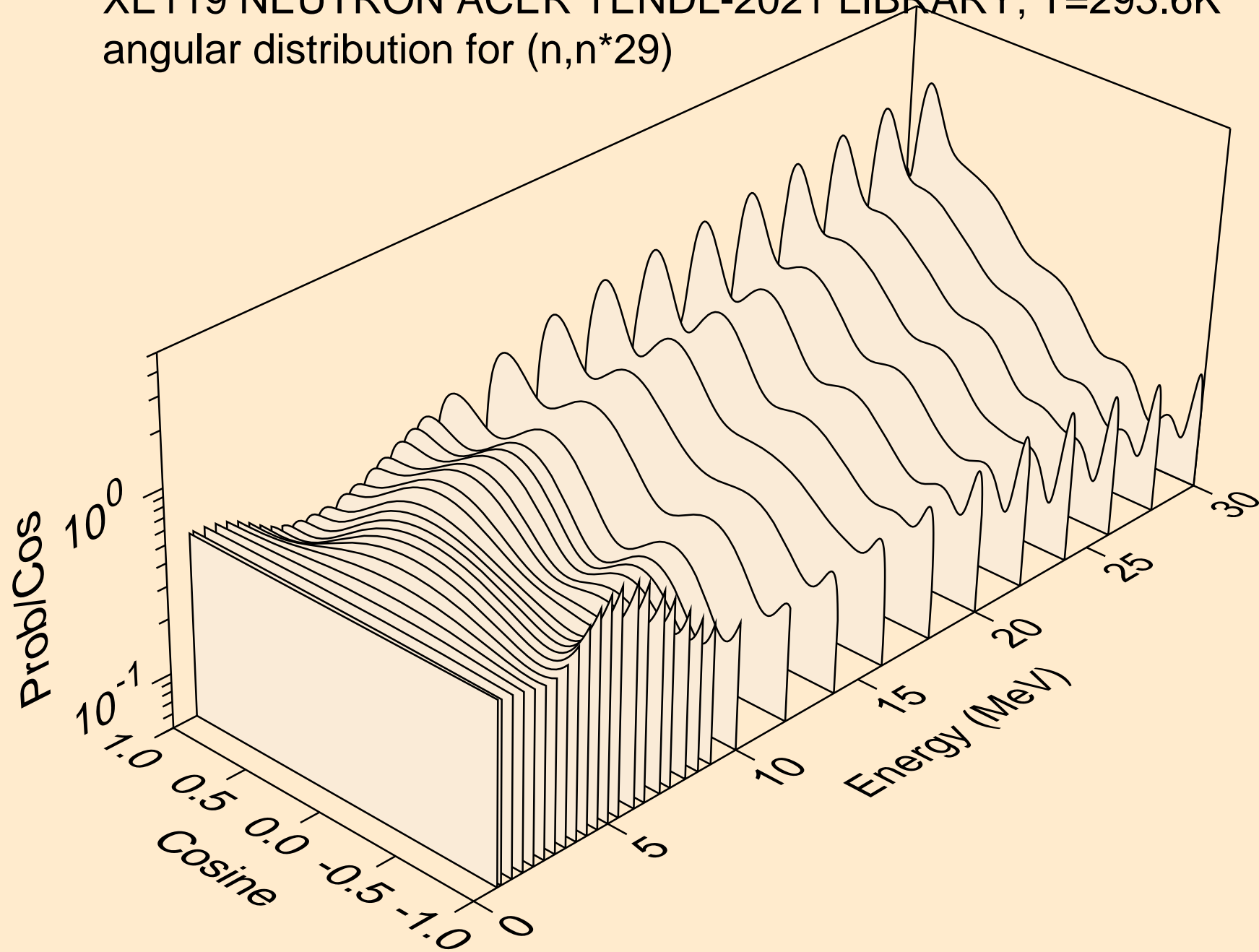
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*27)



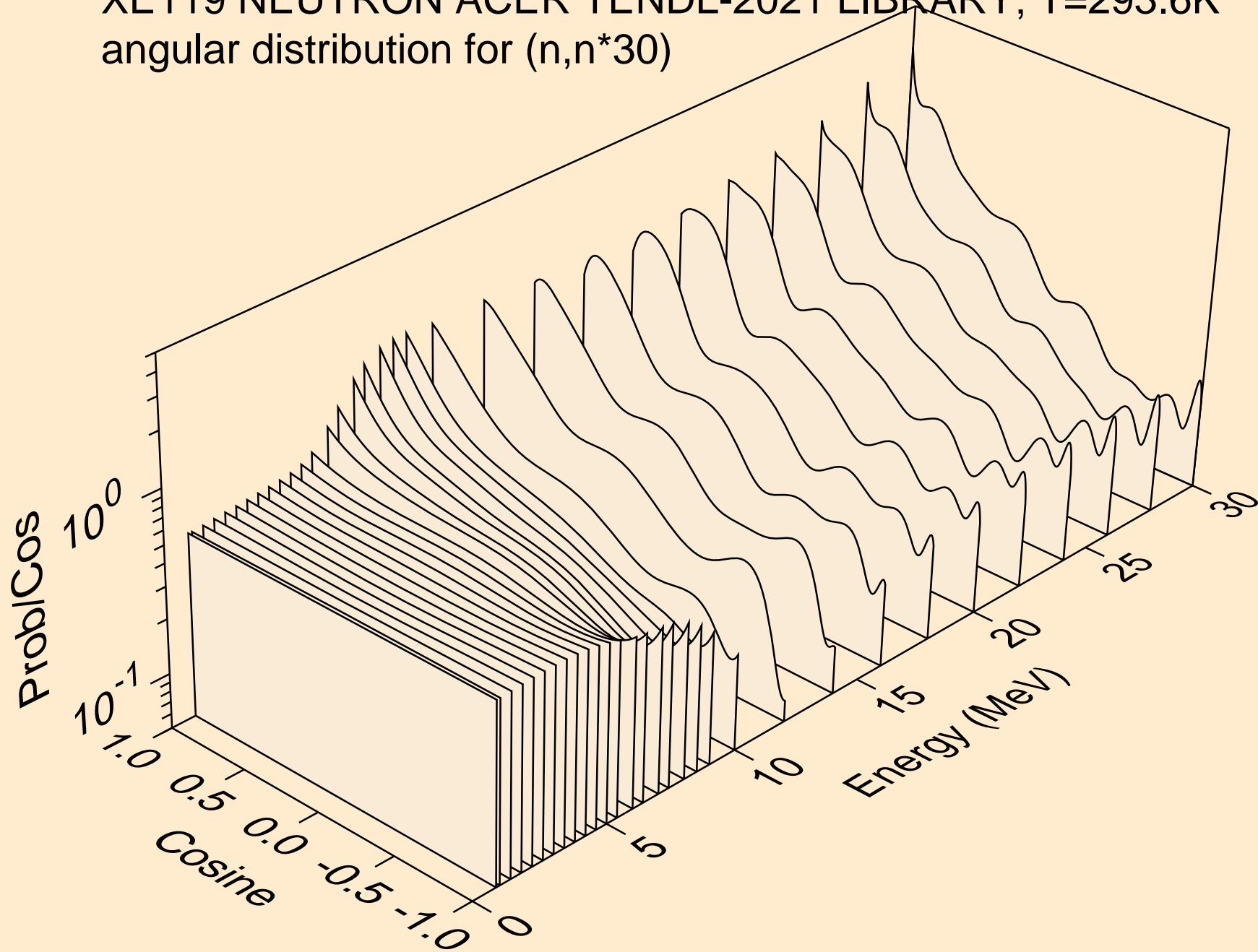
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*28)



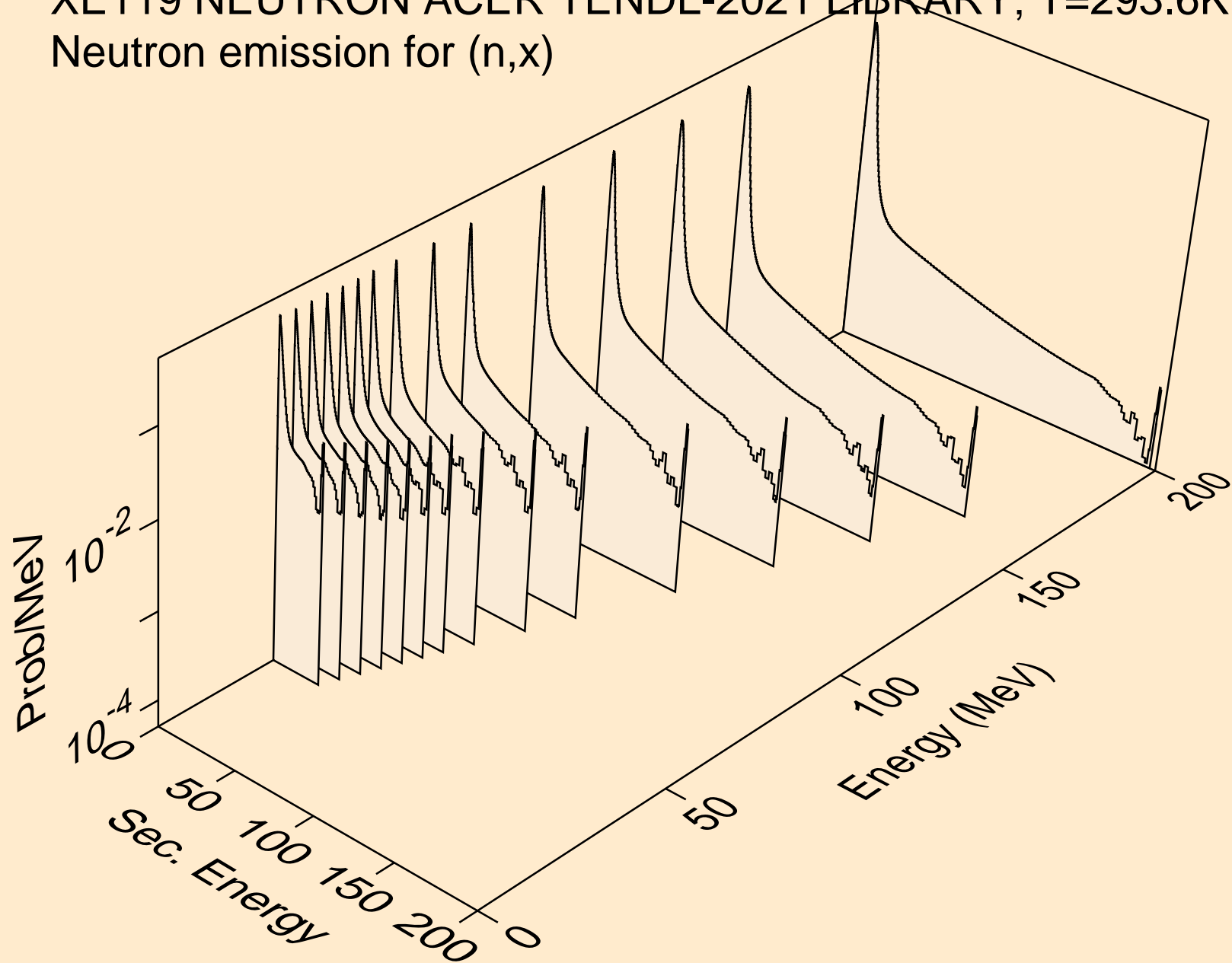
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*29)



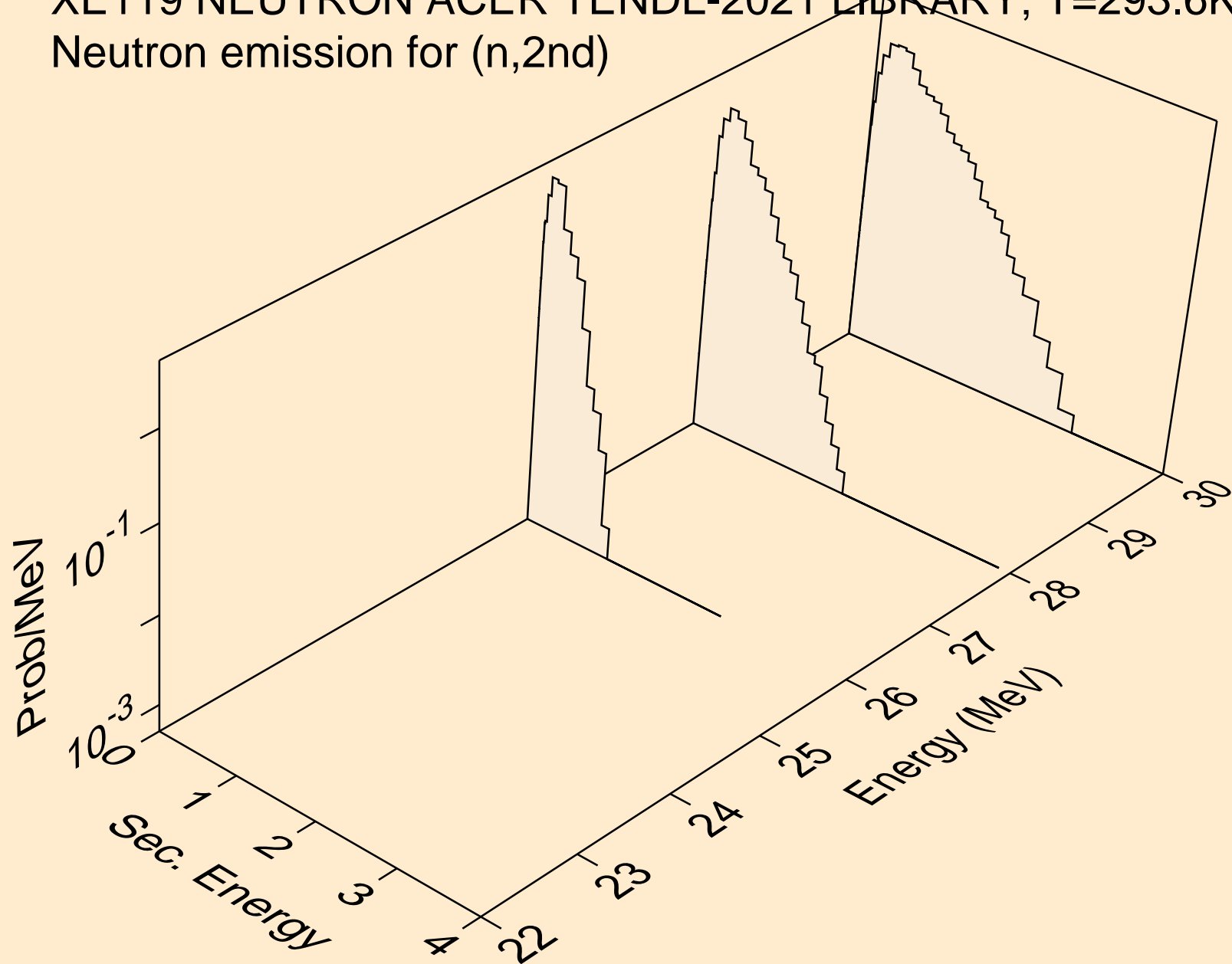
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*30)



XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)

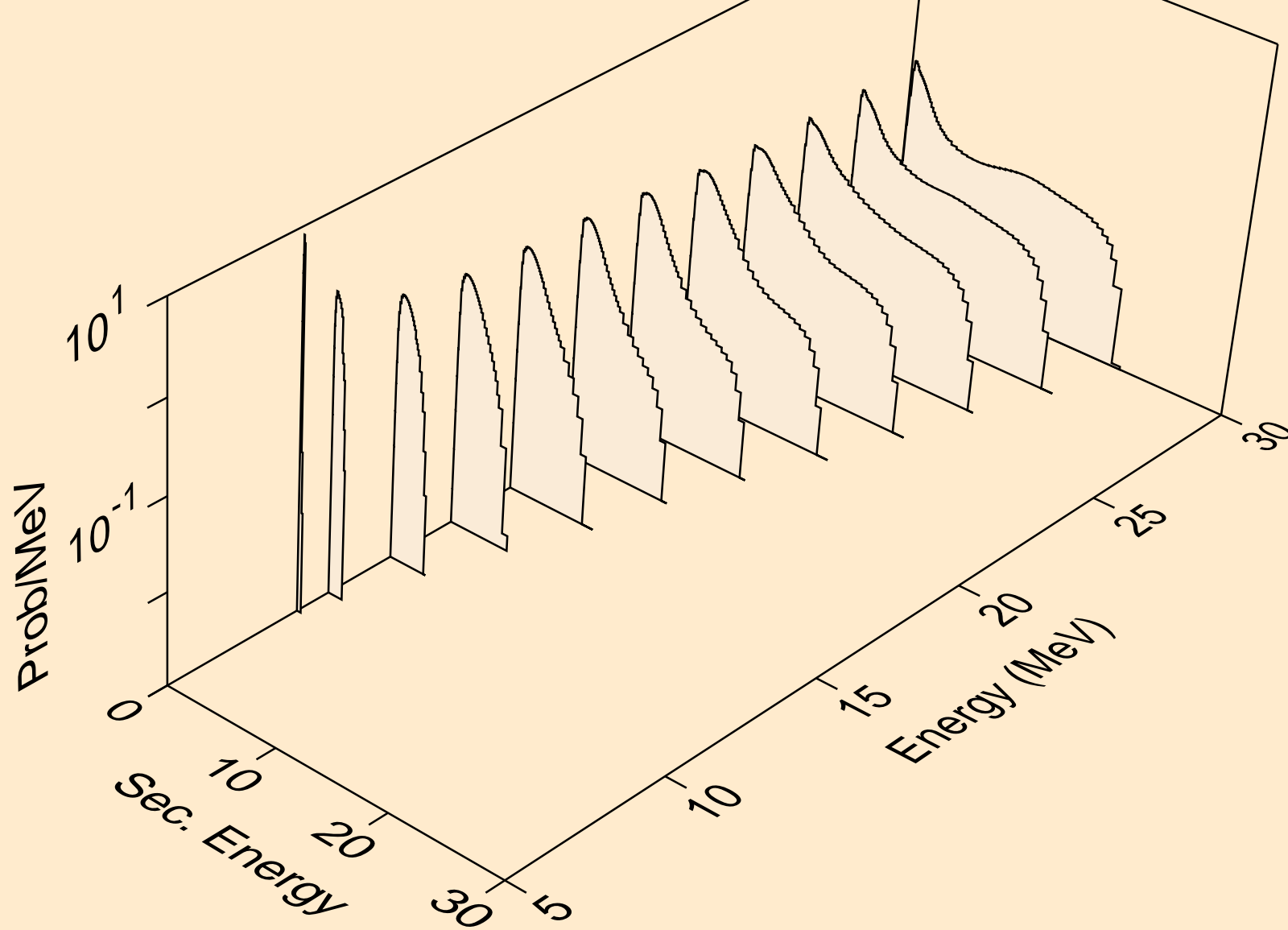


XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)

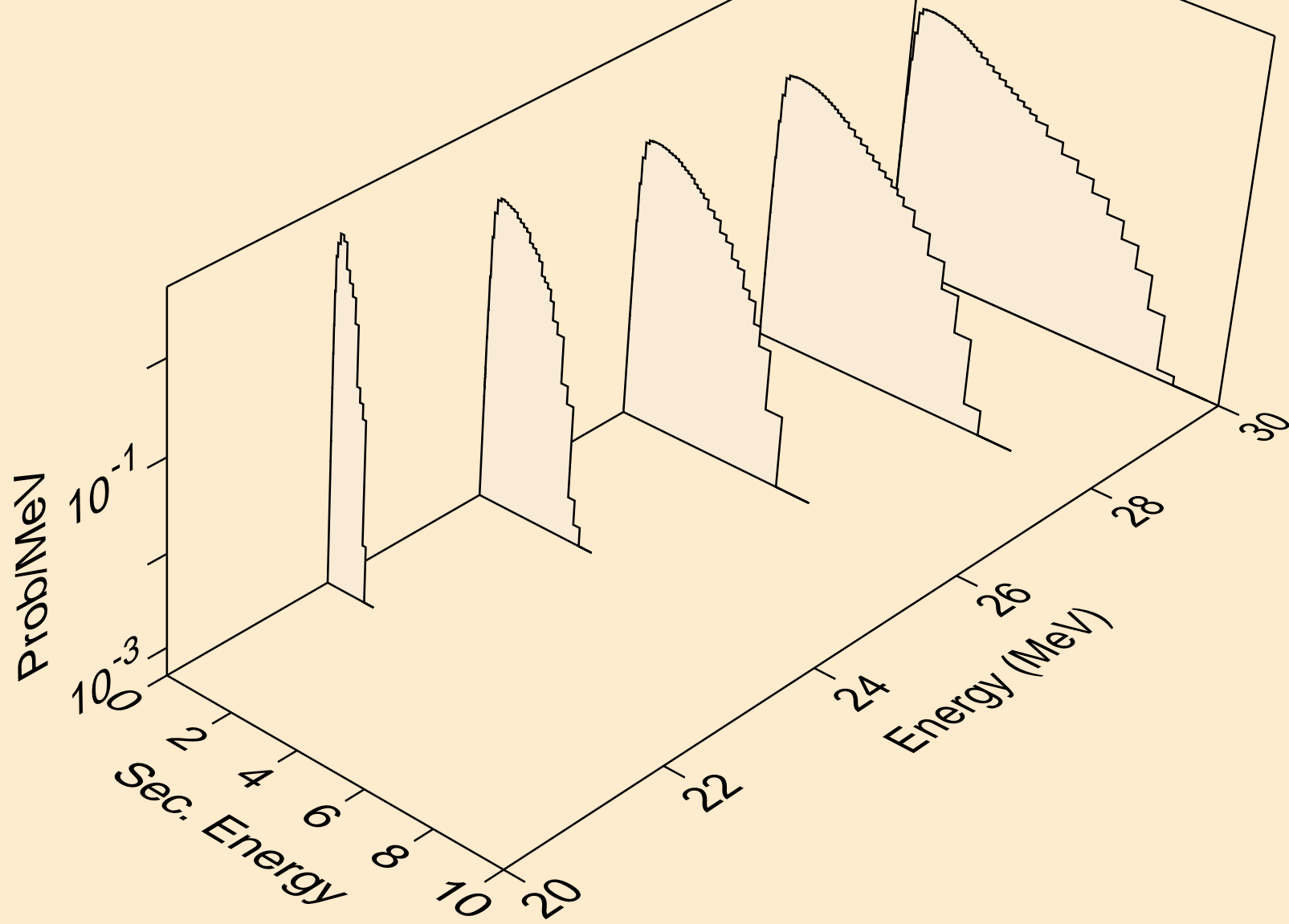




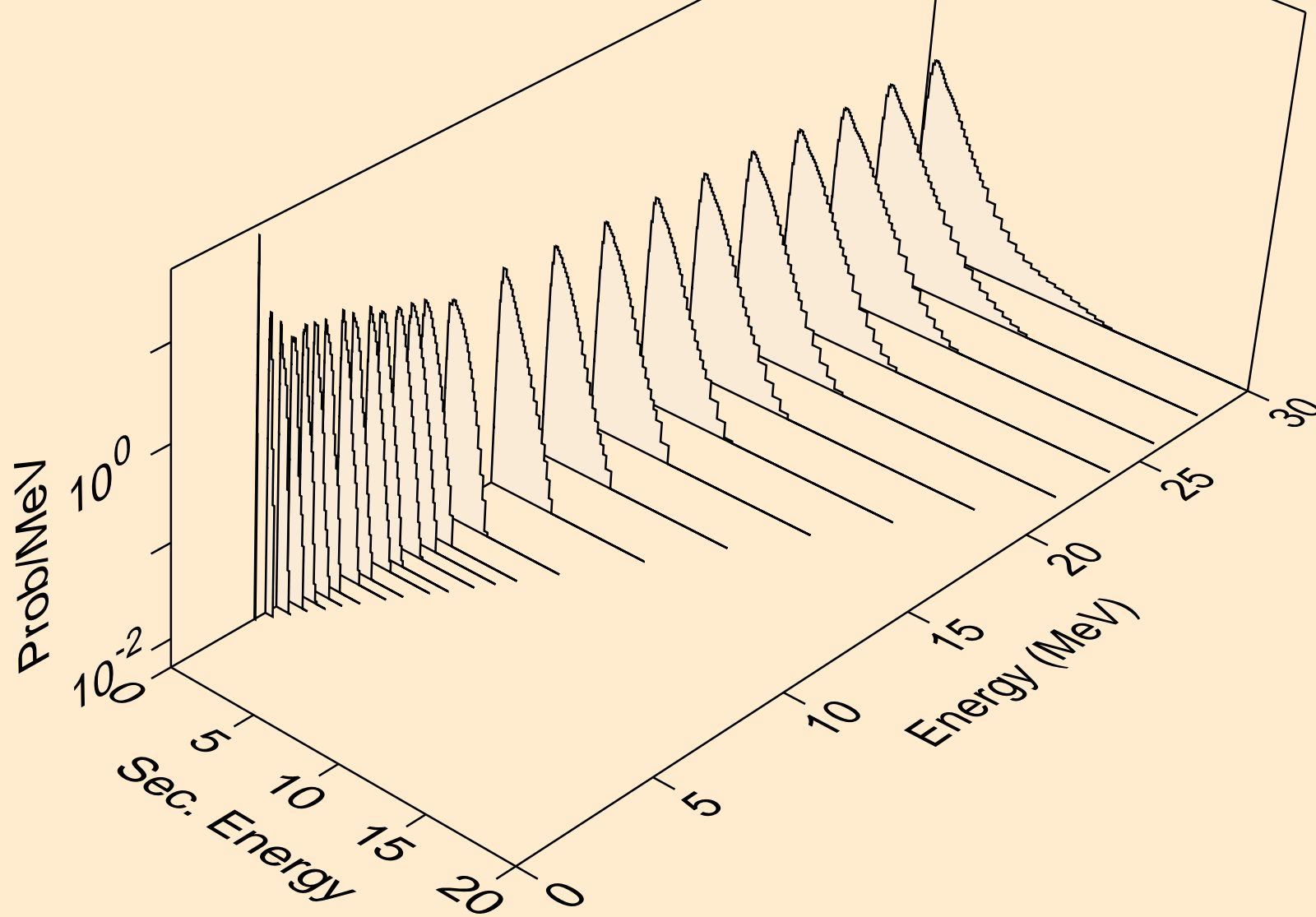
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



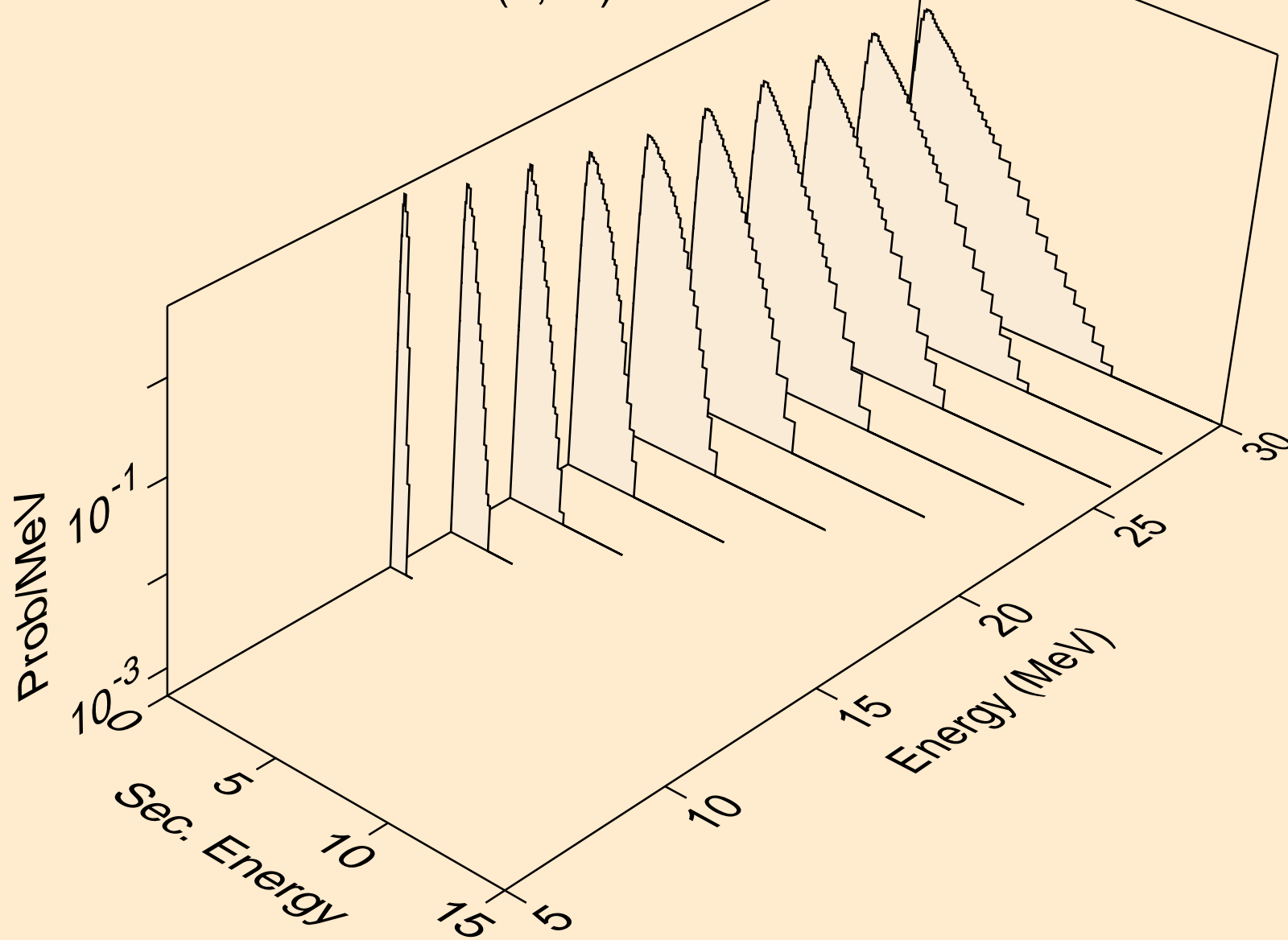
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



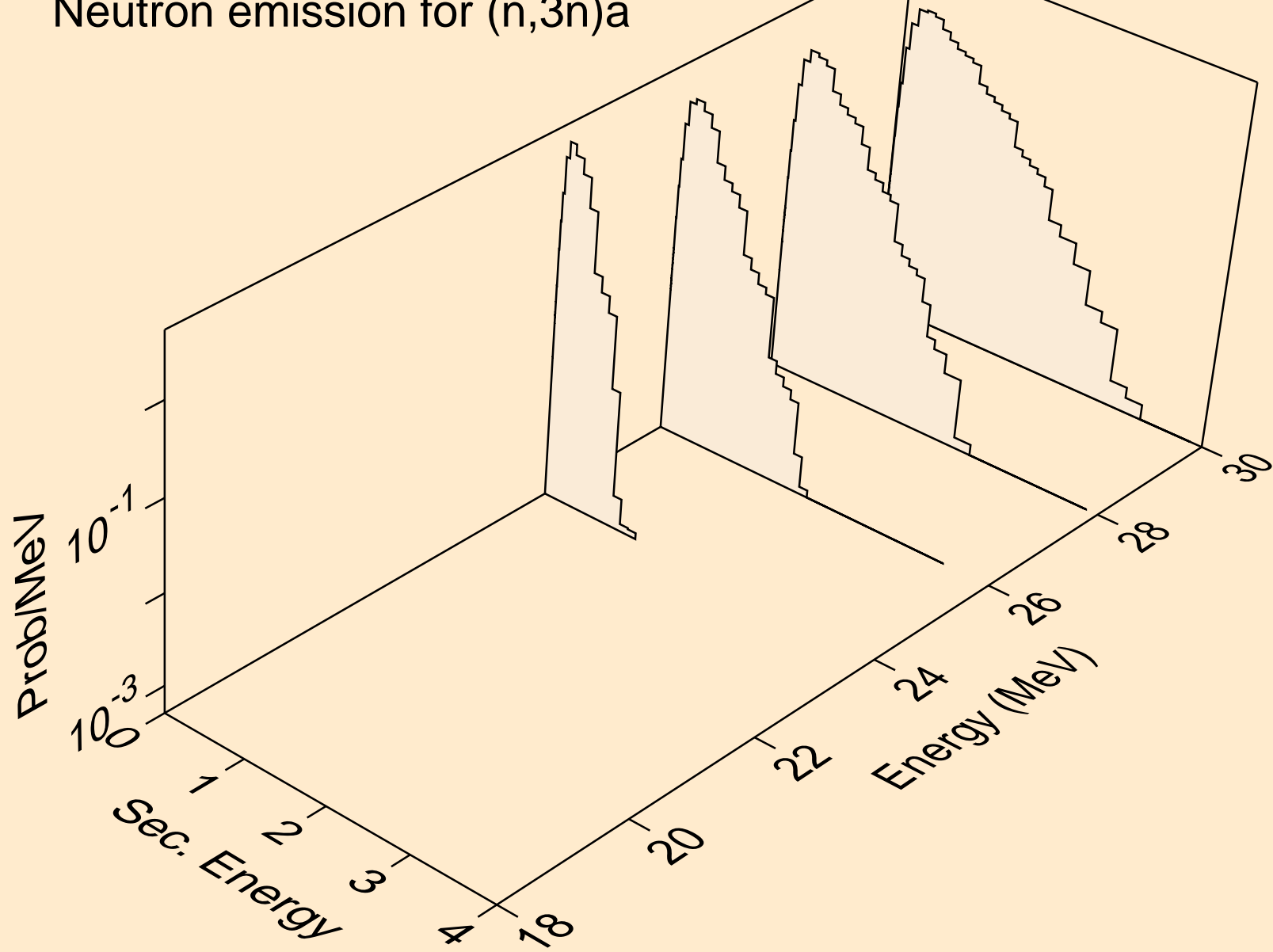
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



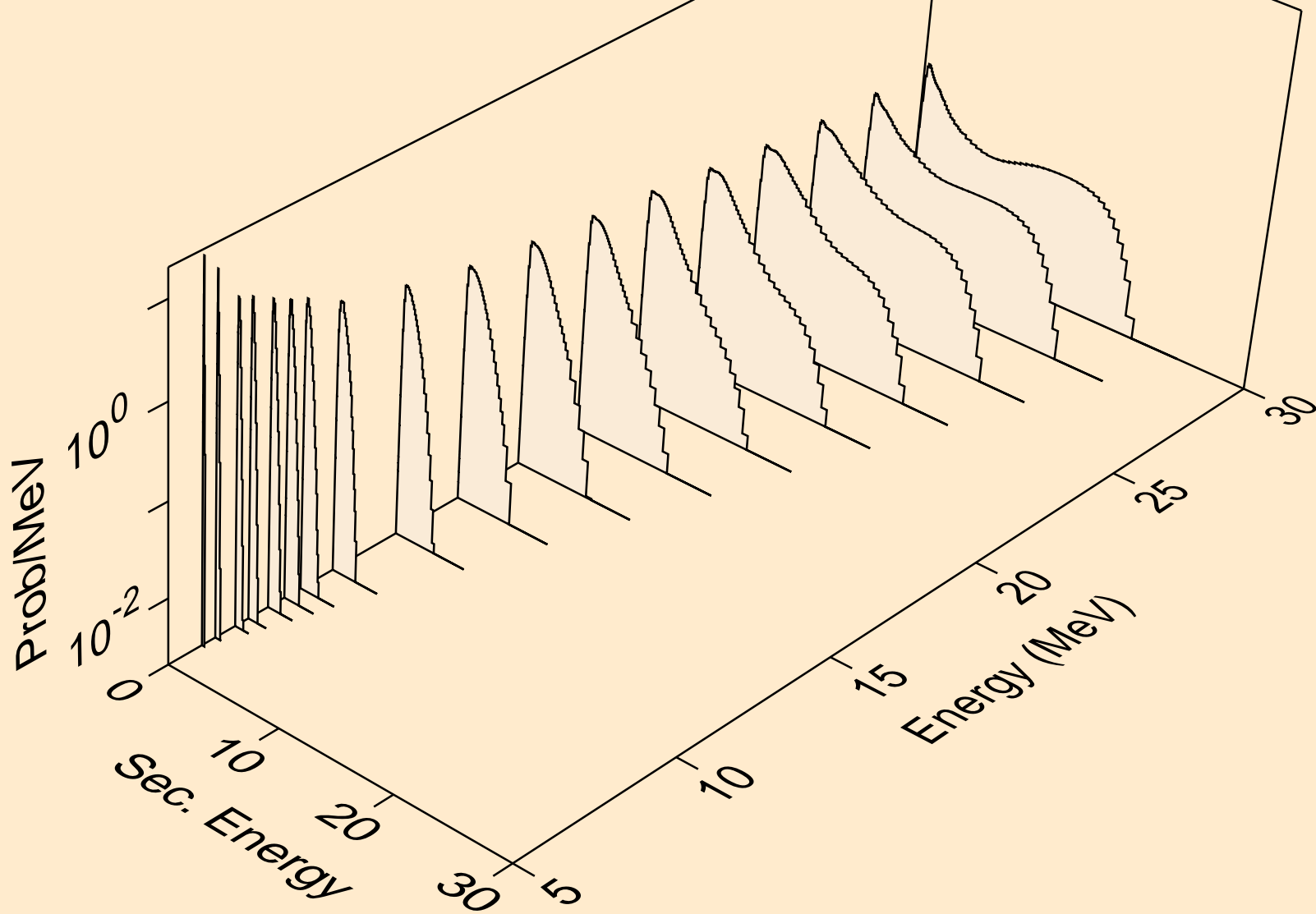
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)<sub>a</sub>



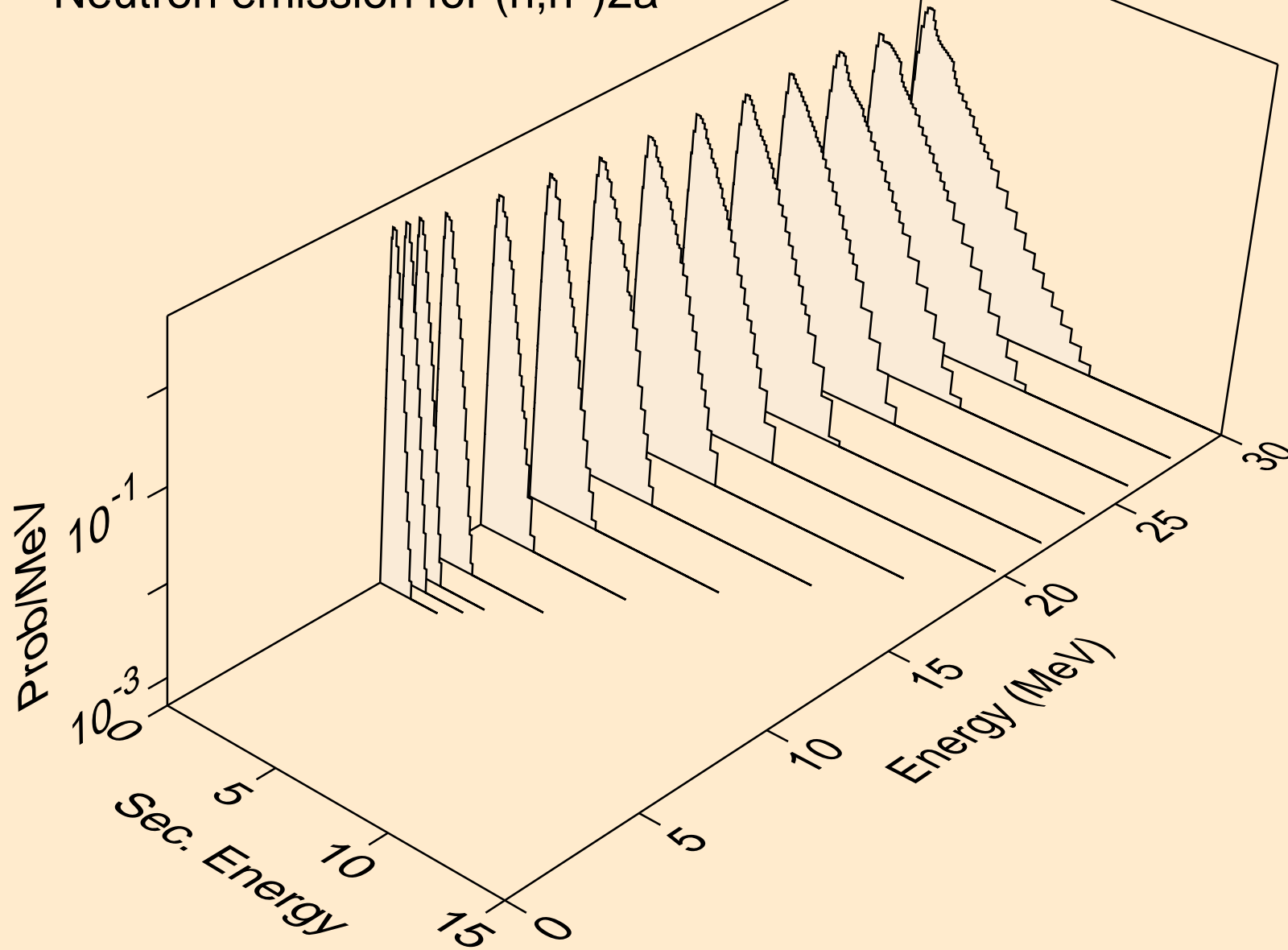
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



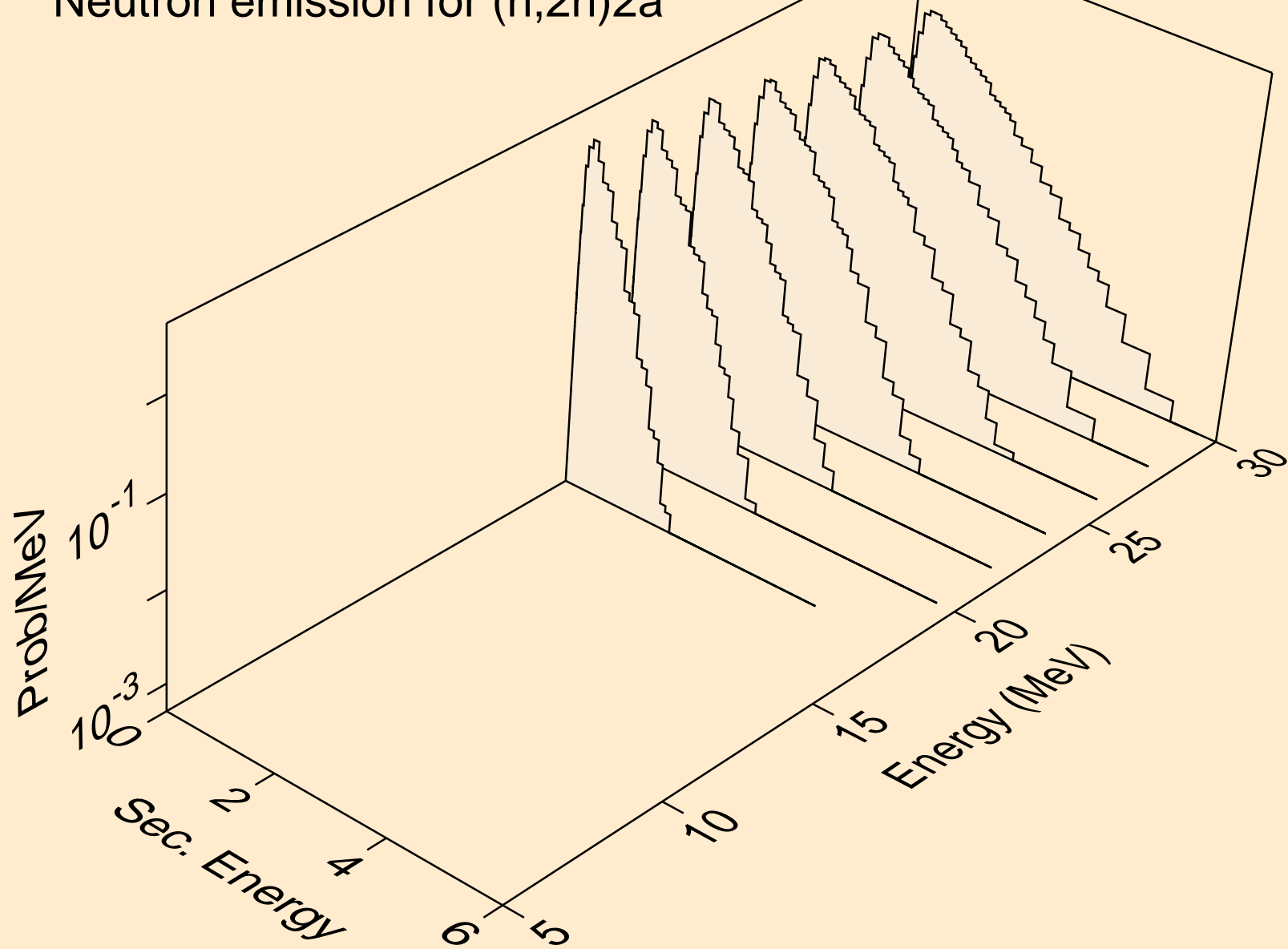
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a

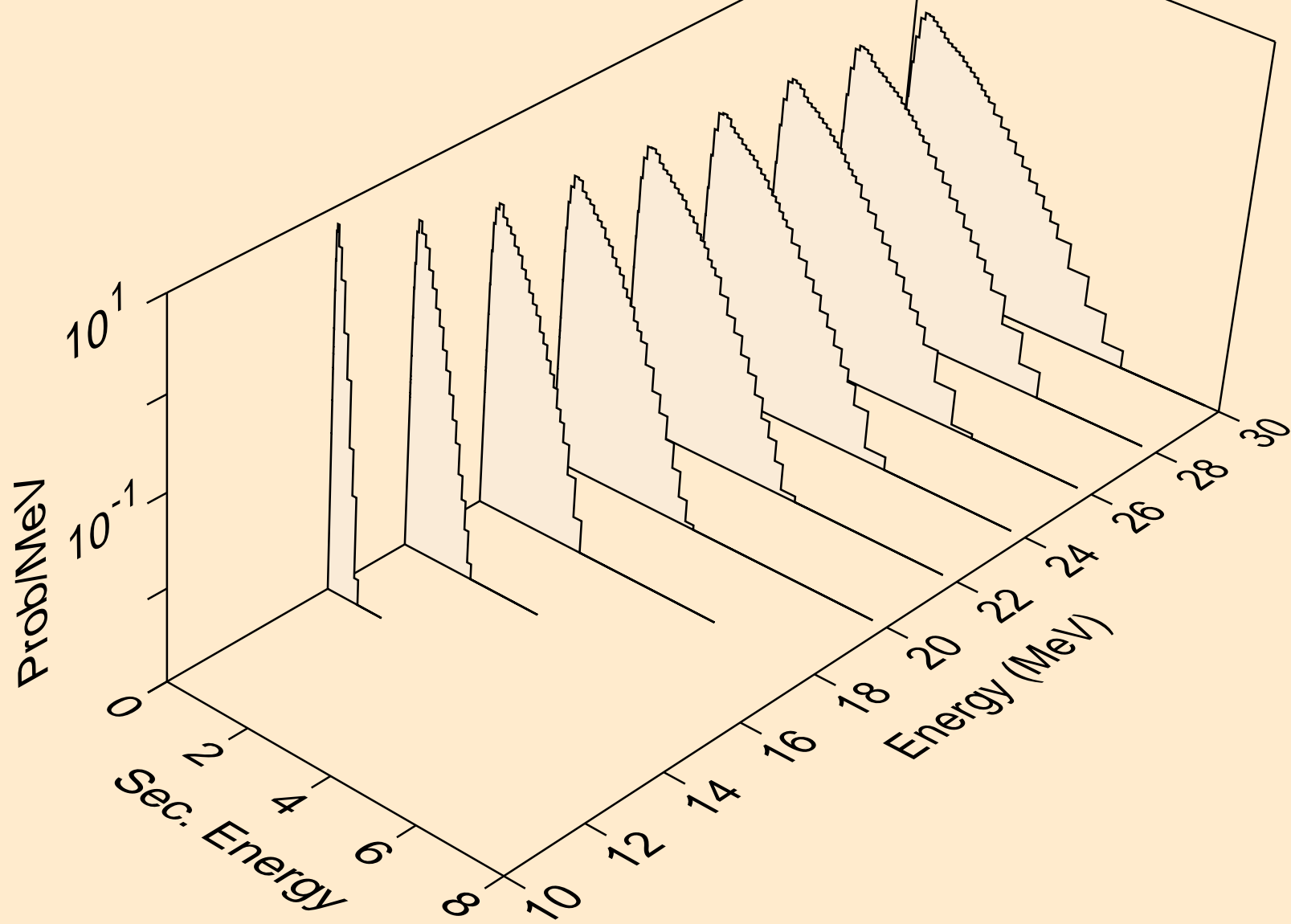


XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)2a

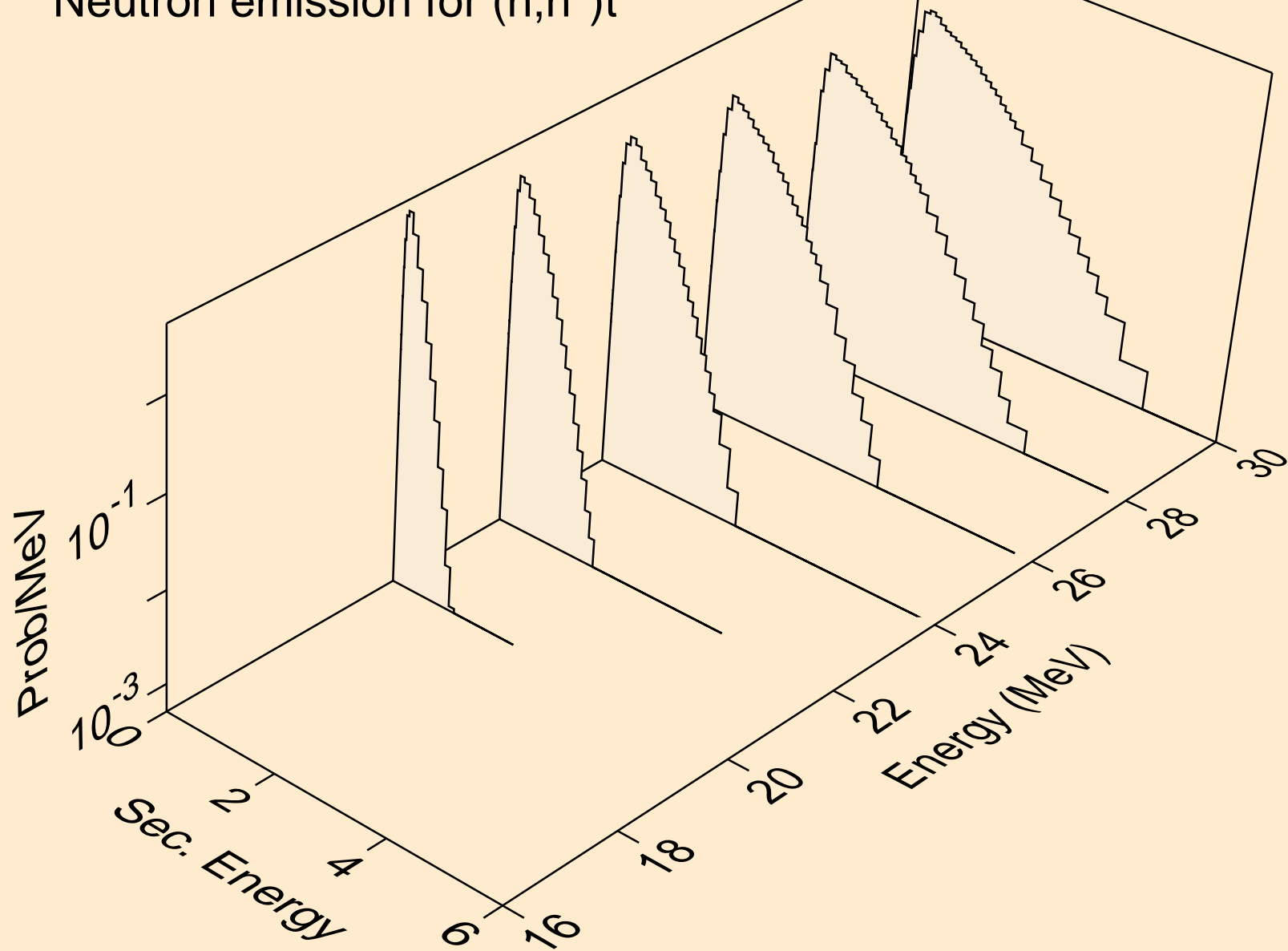




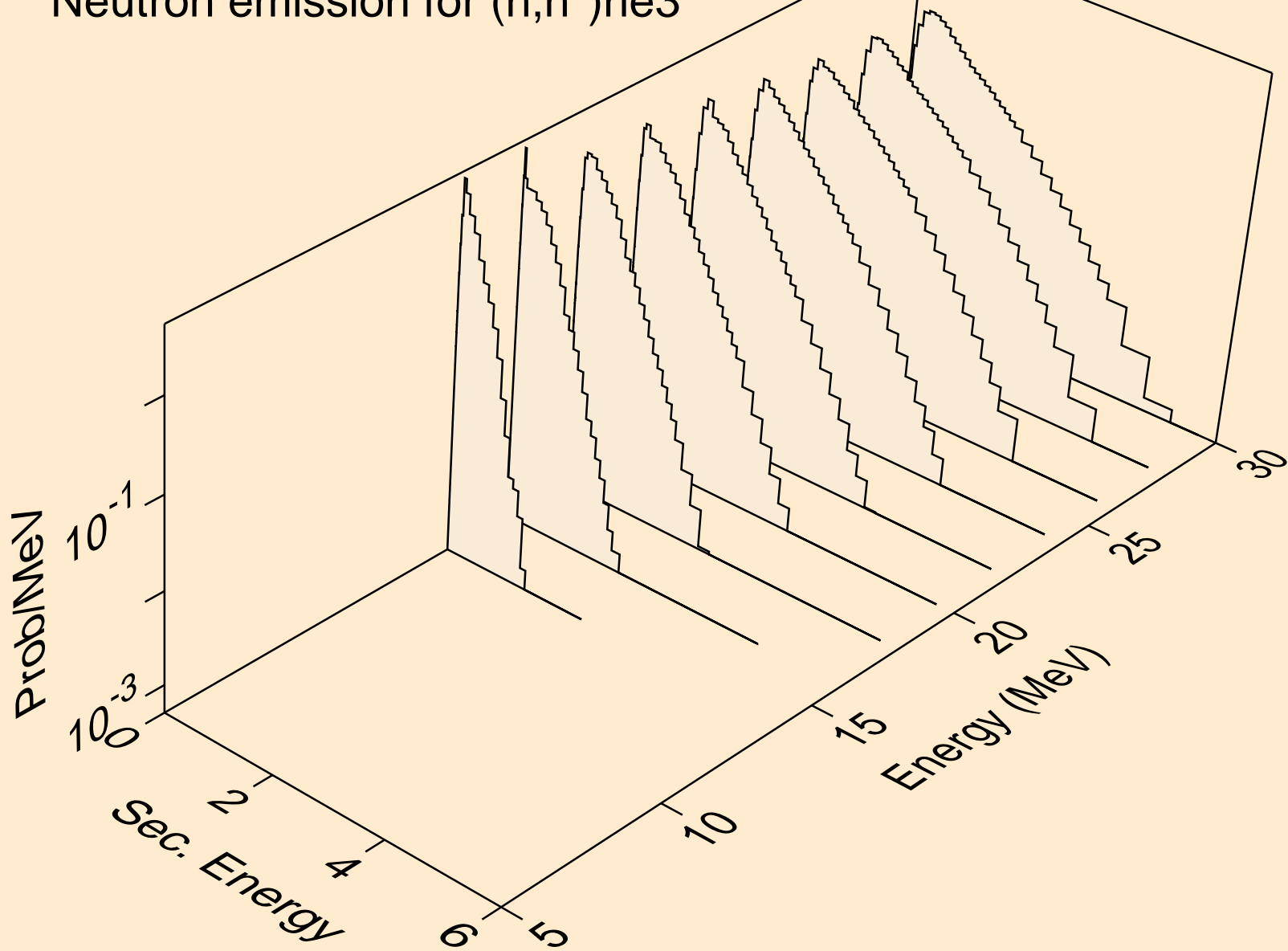
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



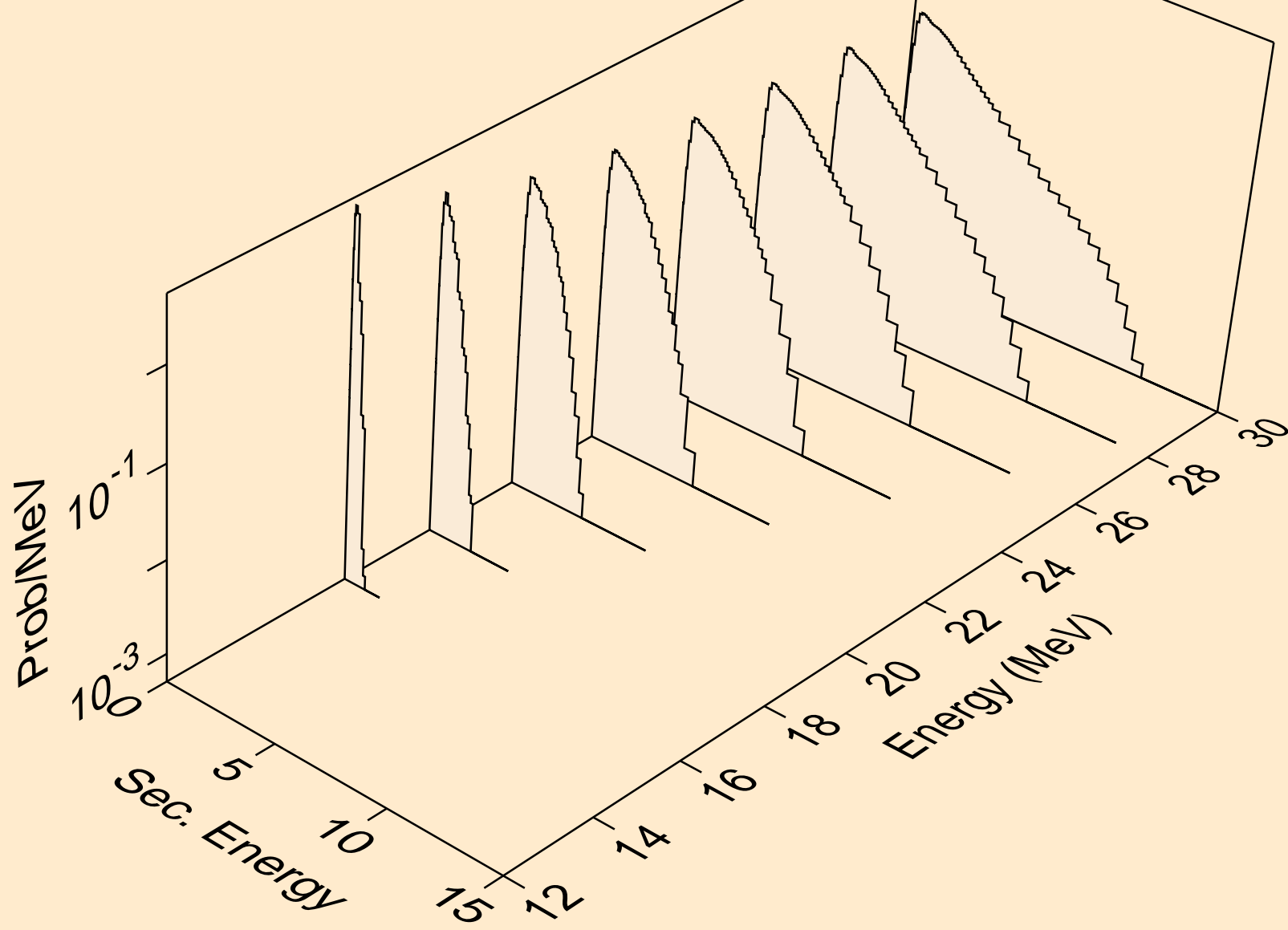
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



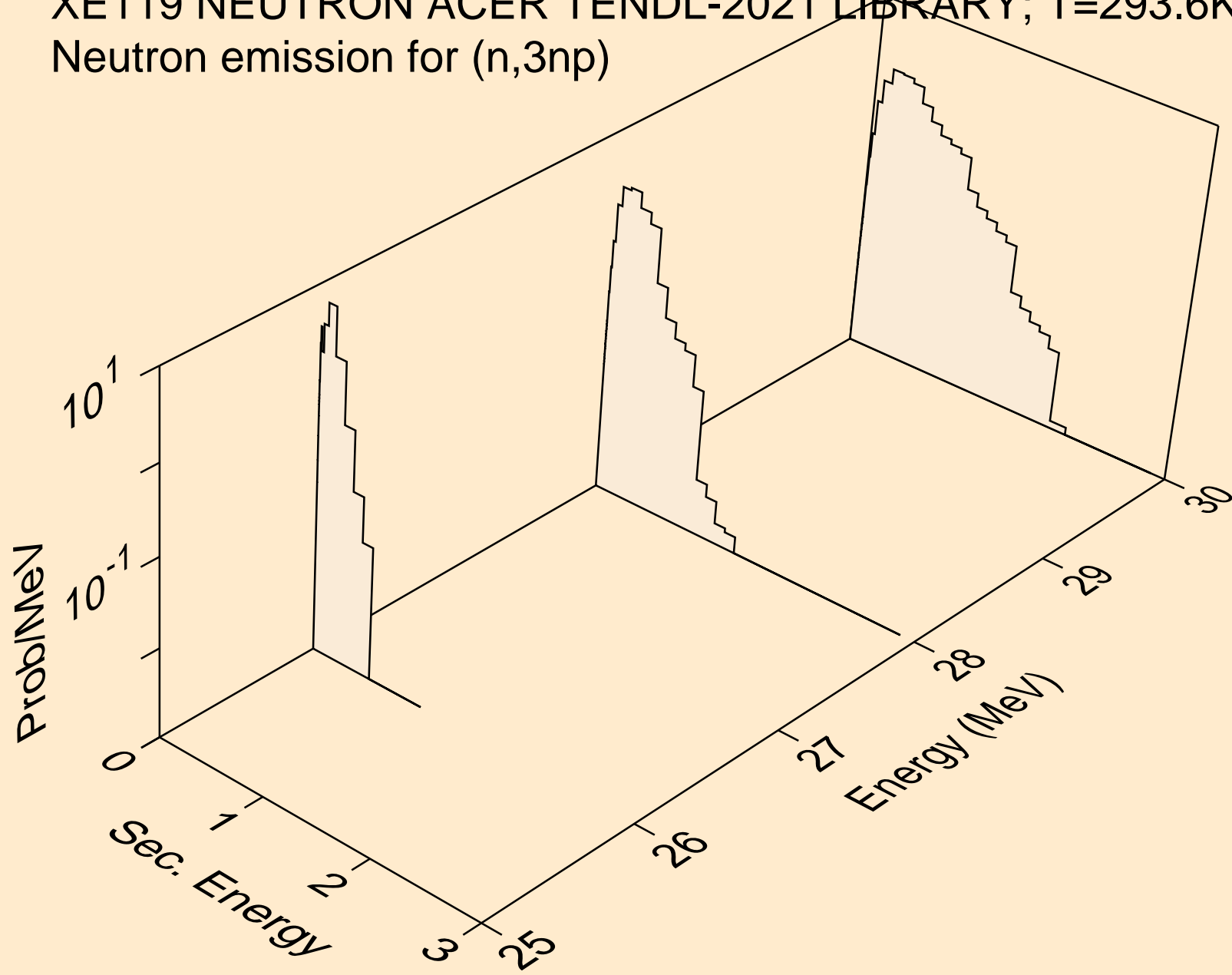
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



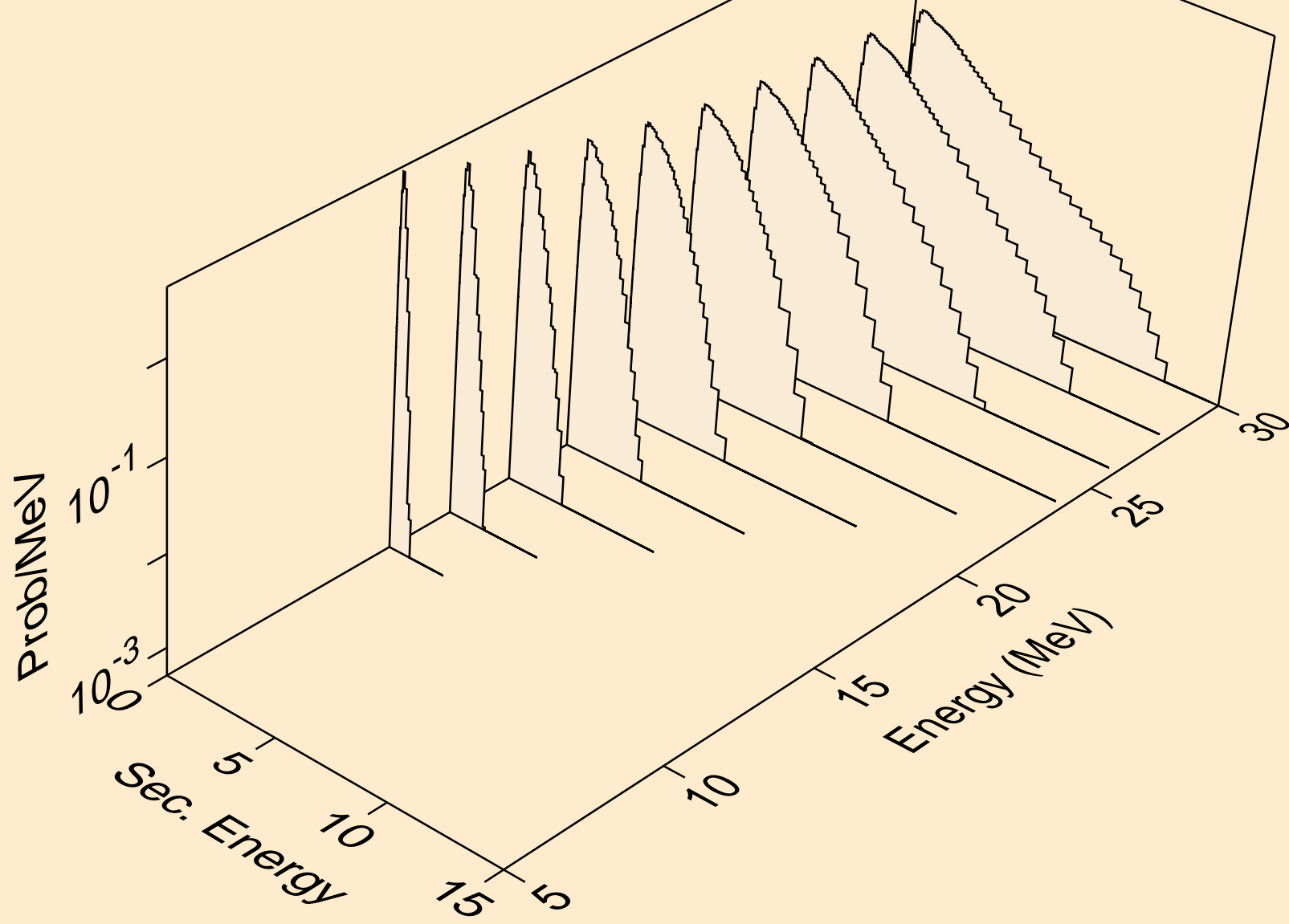
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



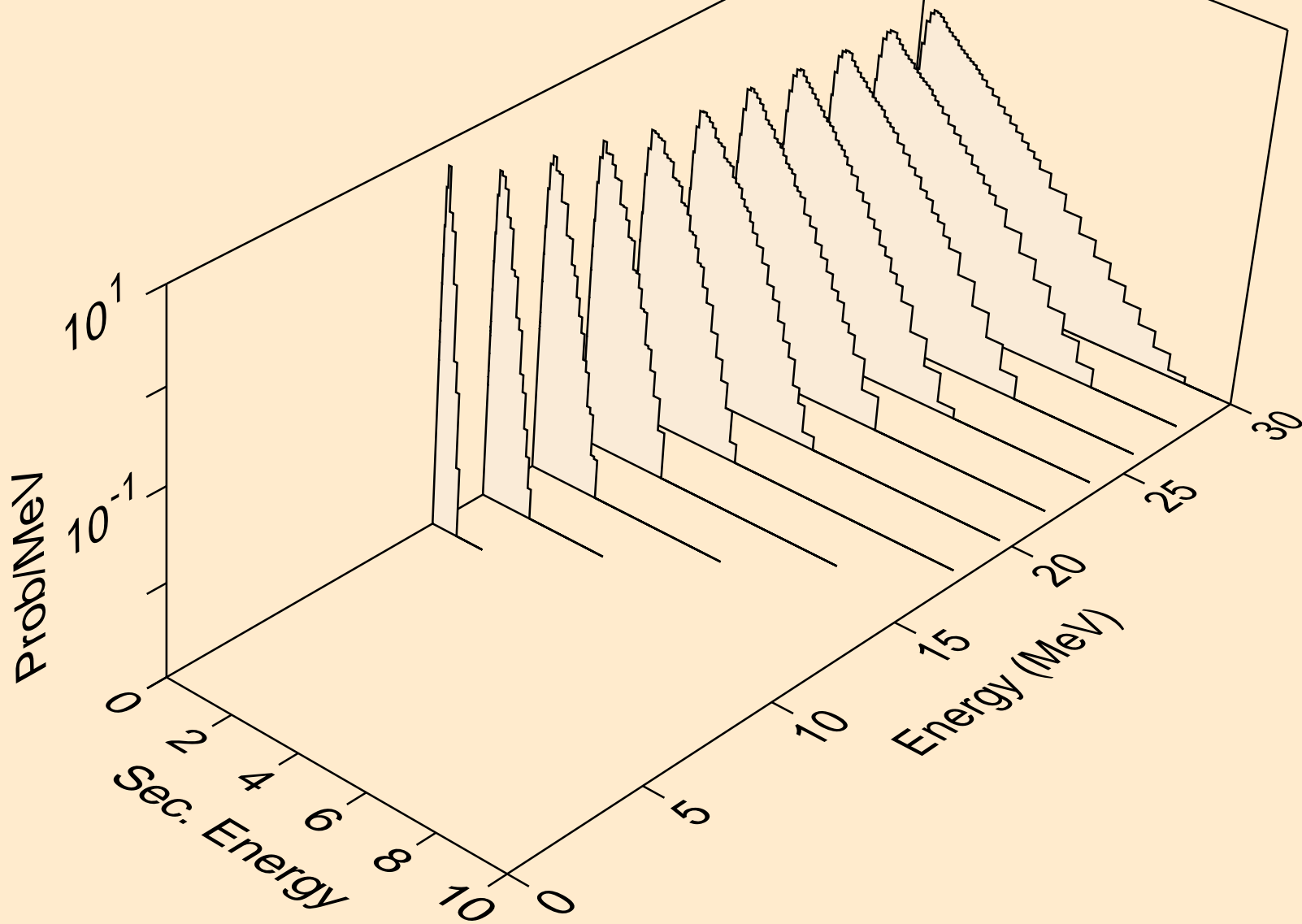
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



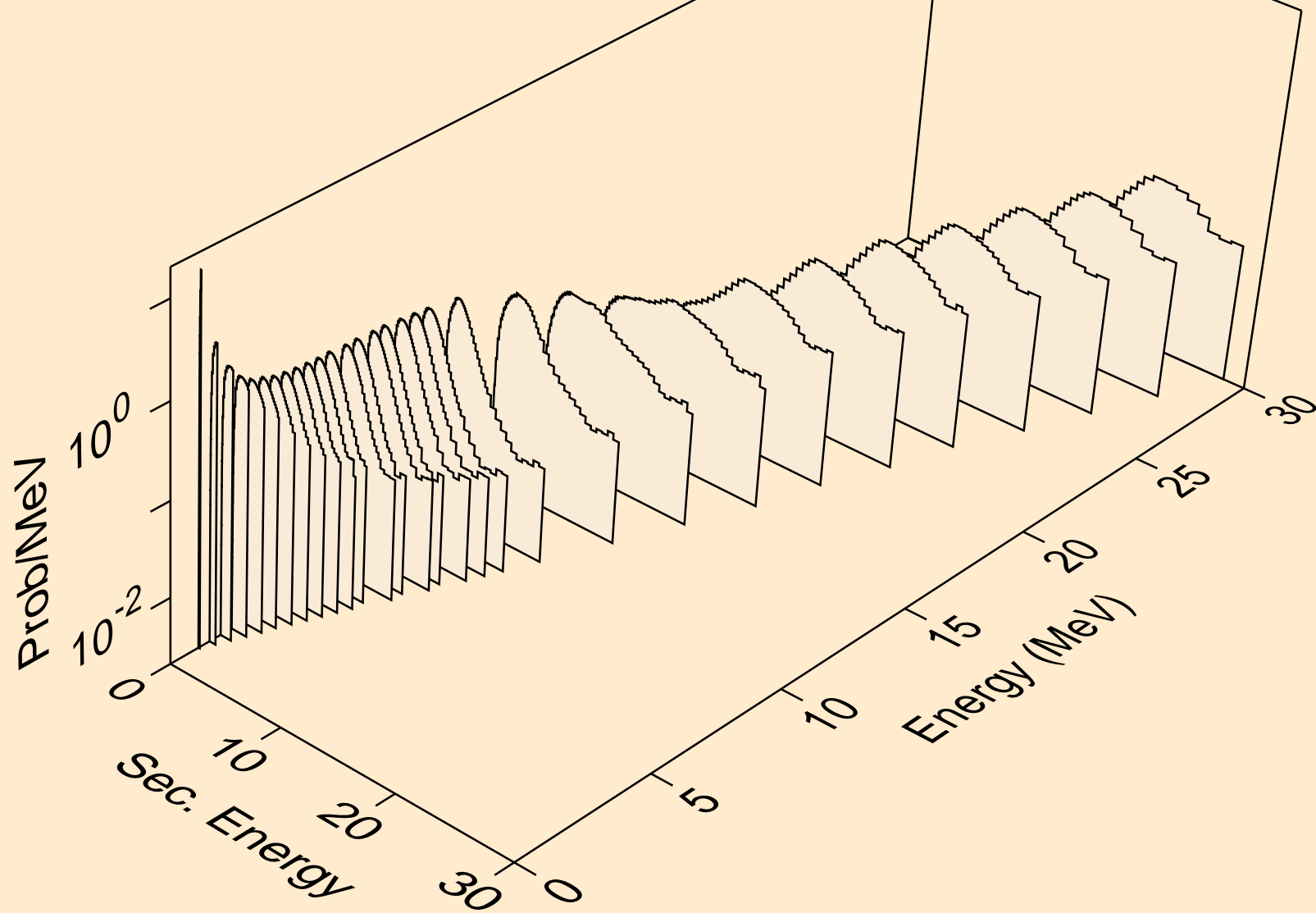
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)

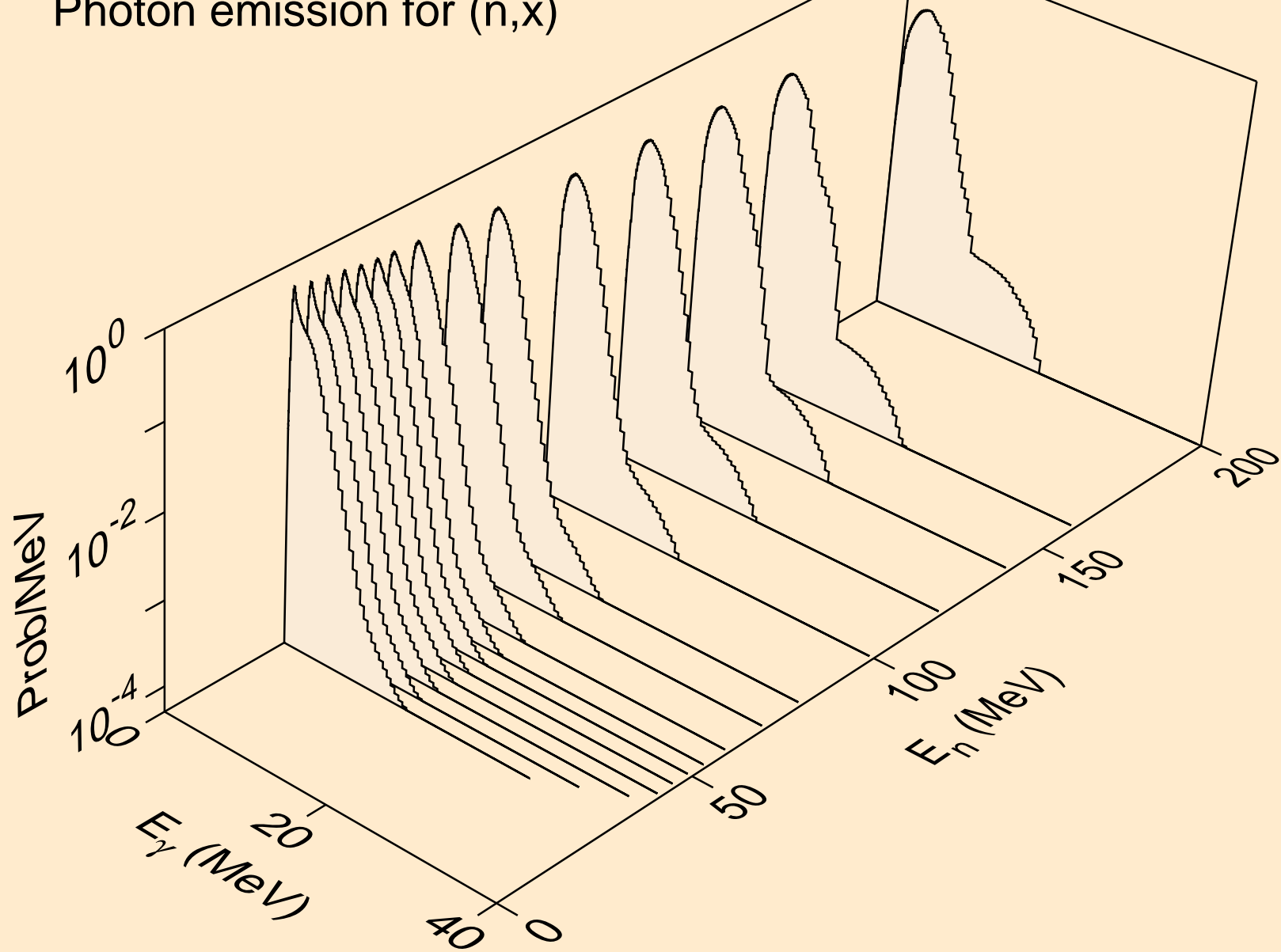


XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)

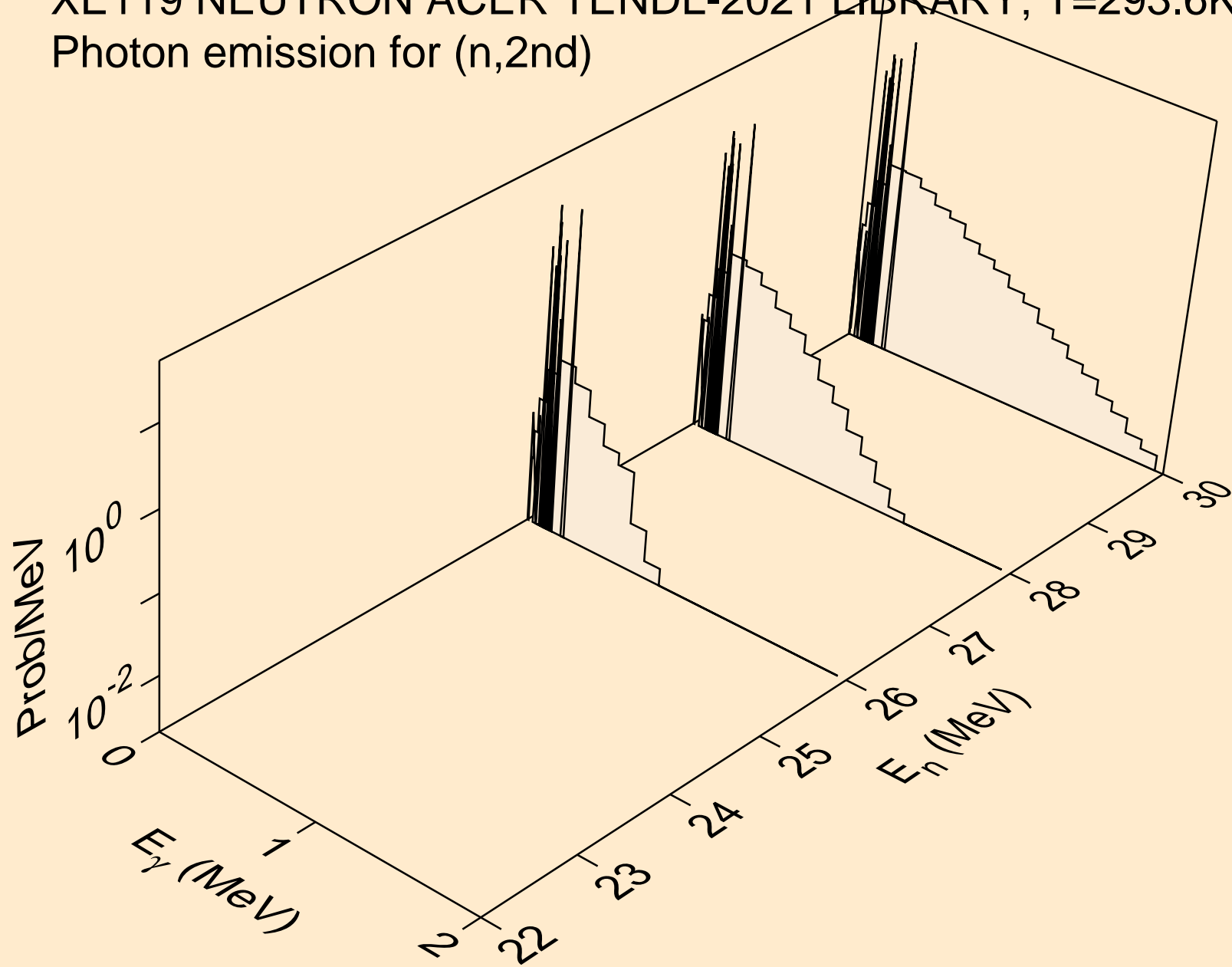




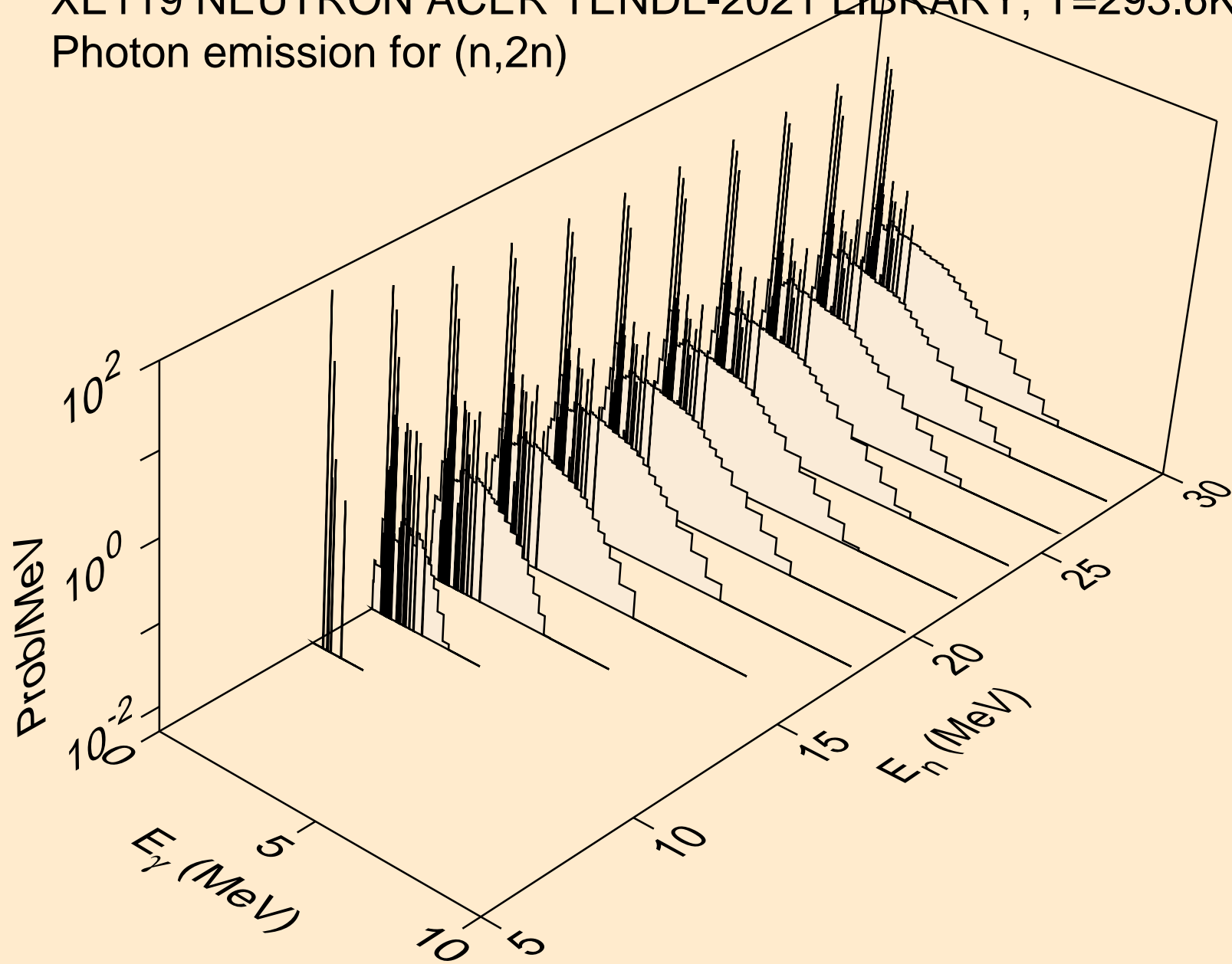
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



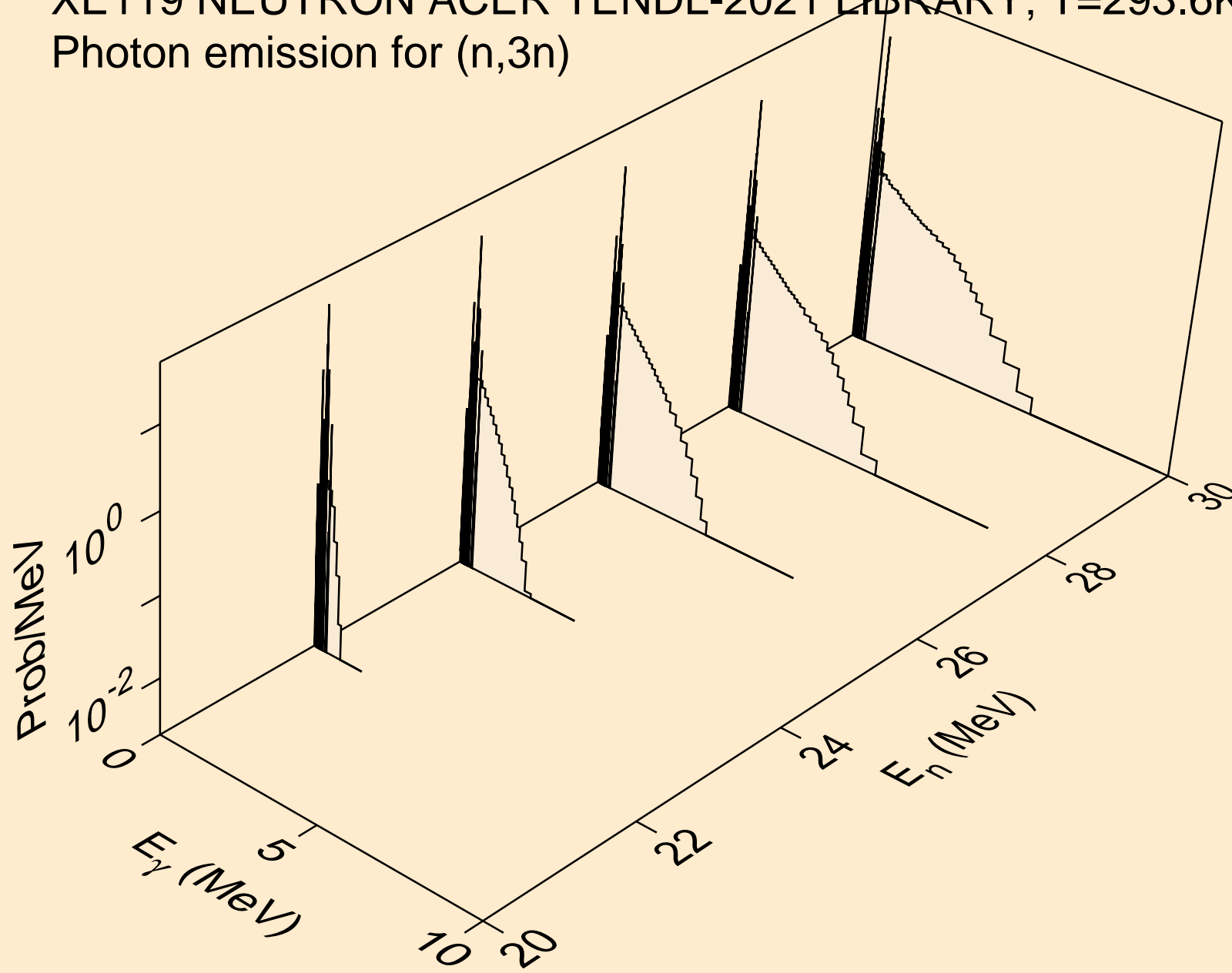
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2nd)



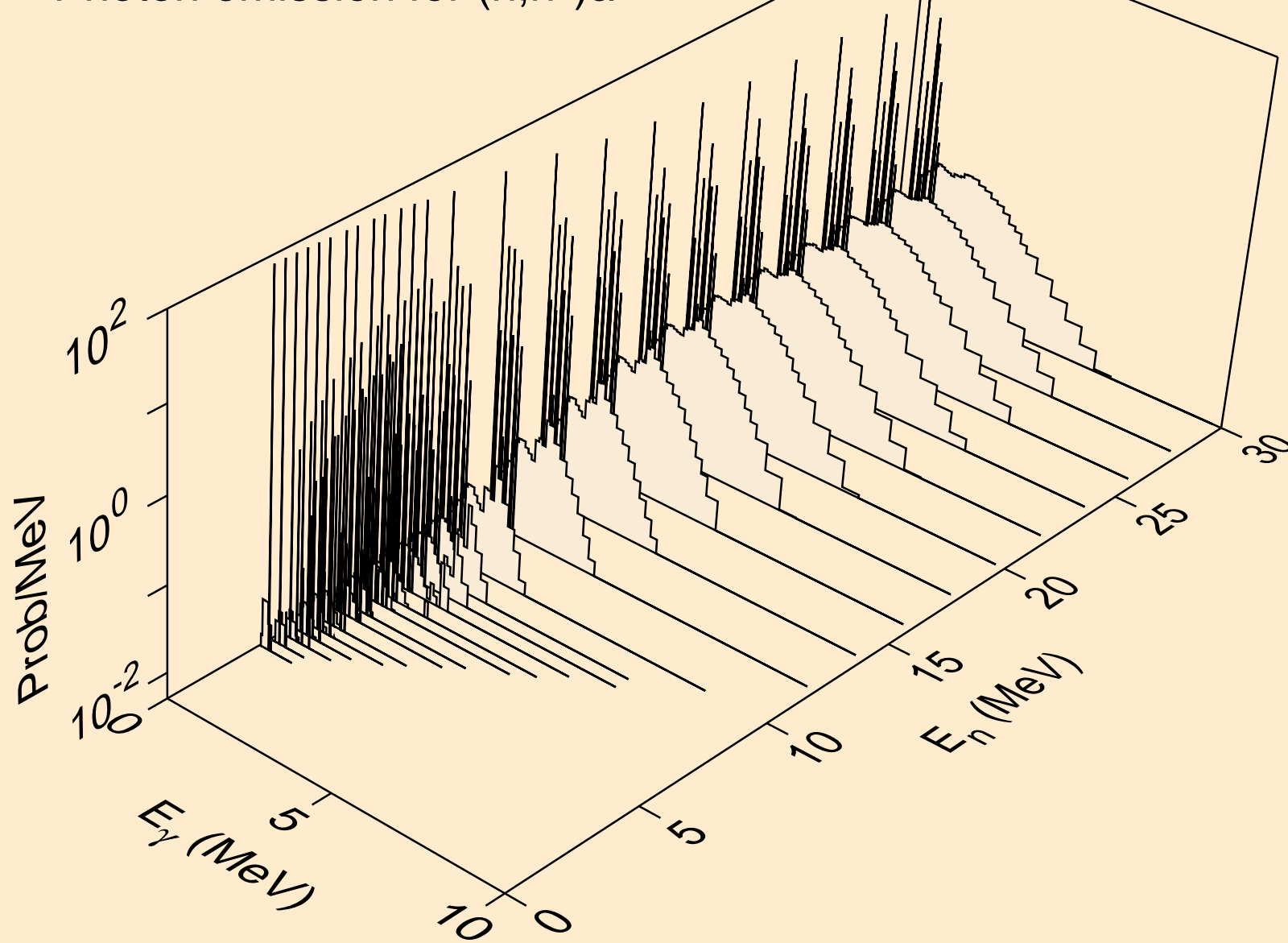
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)



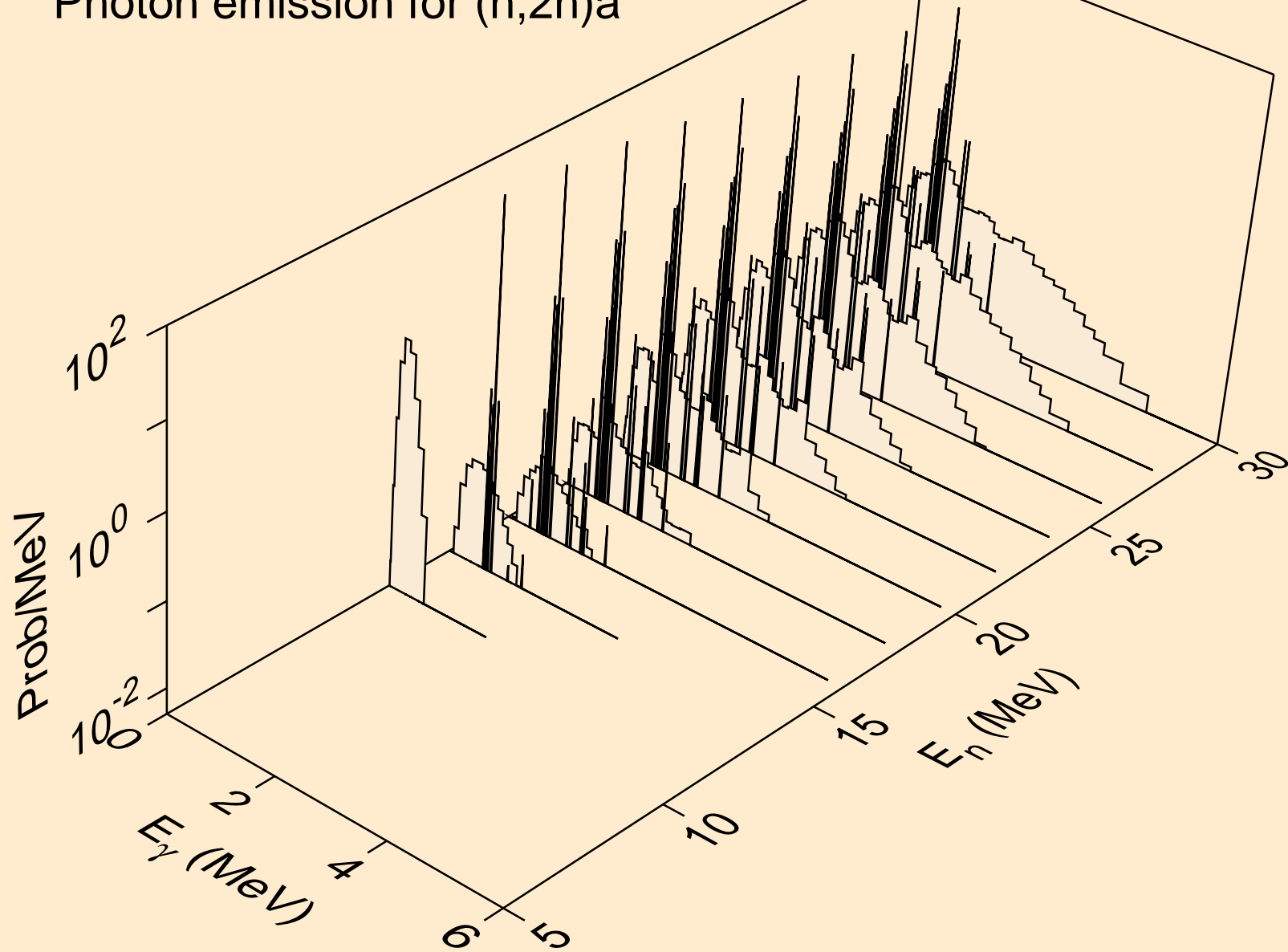
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)



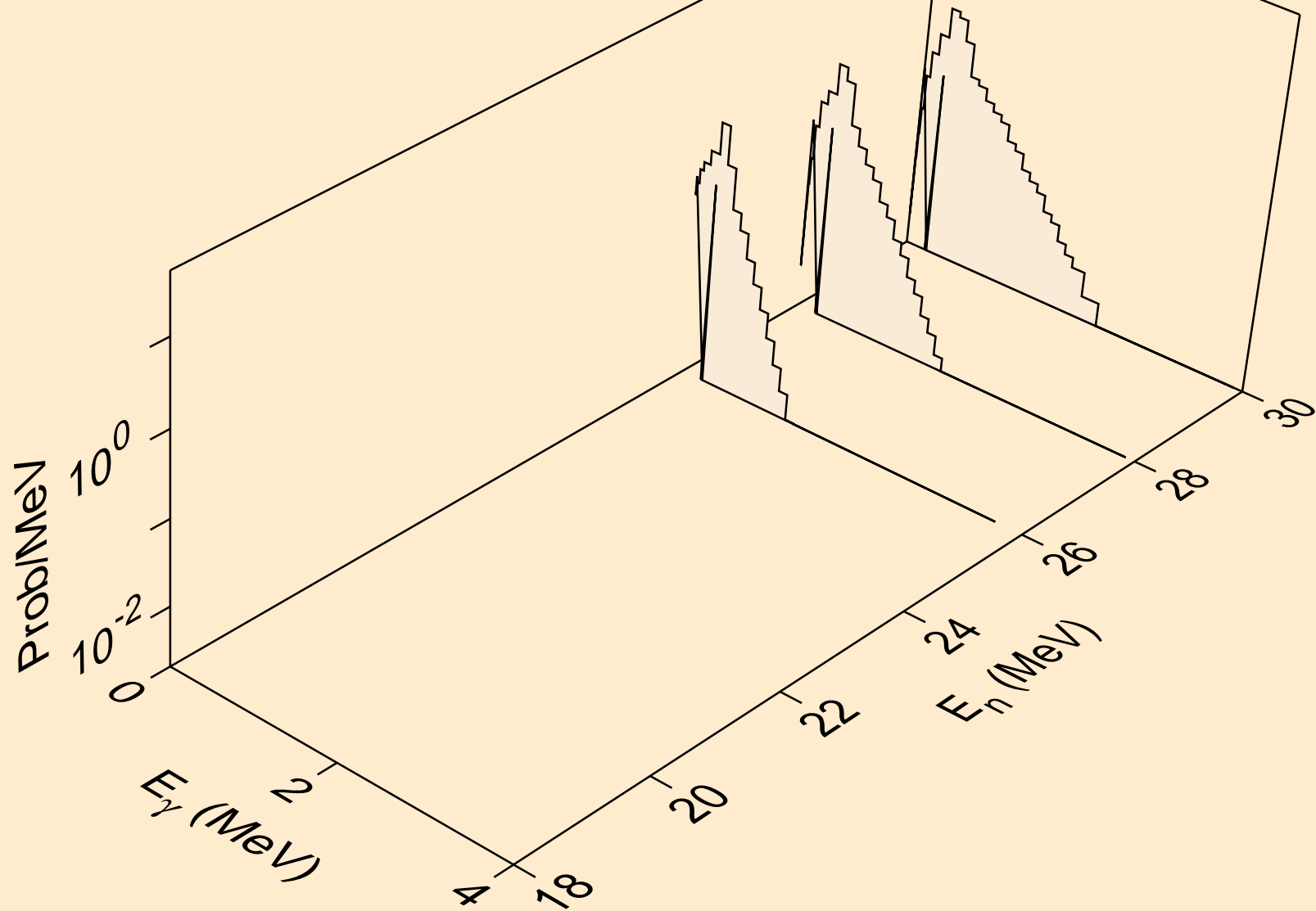
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



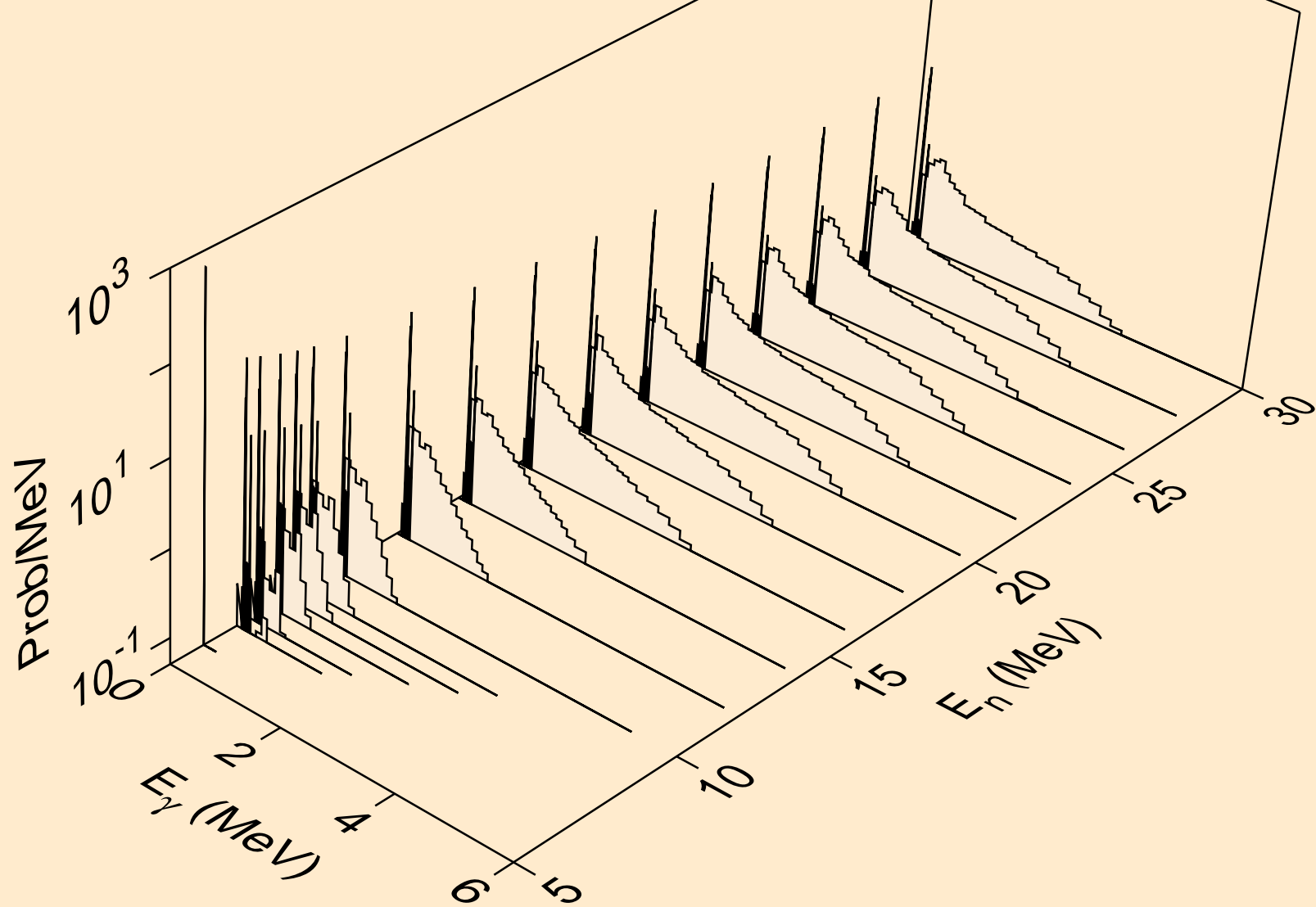
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)a



XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)a

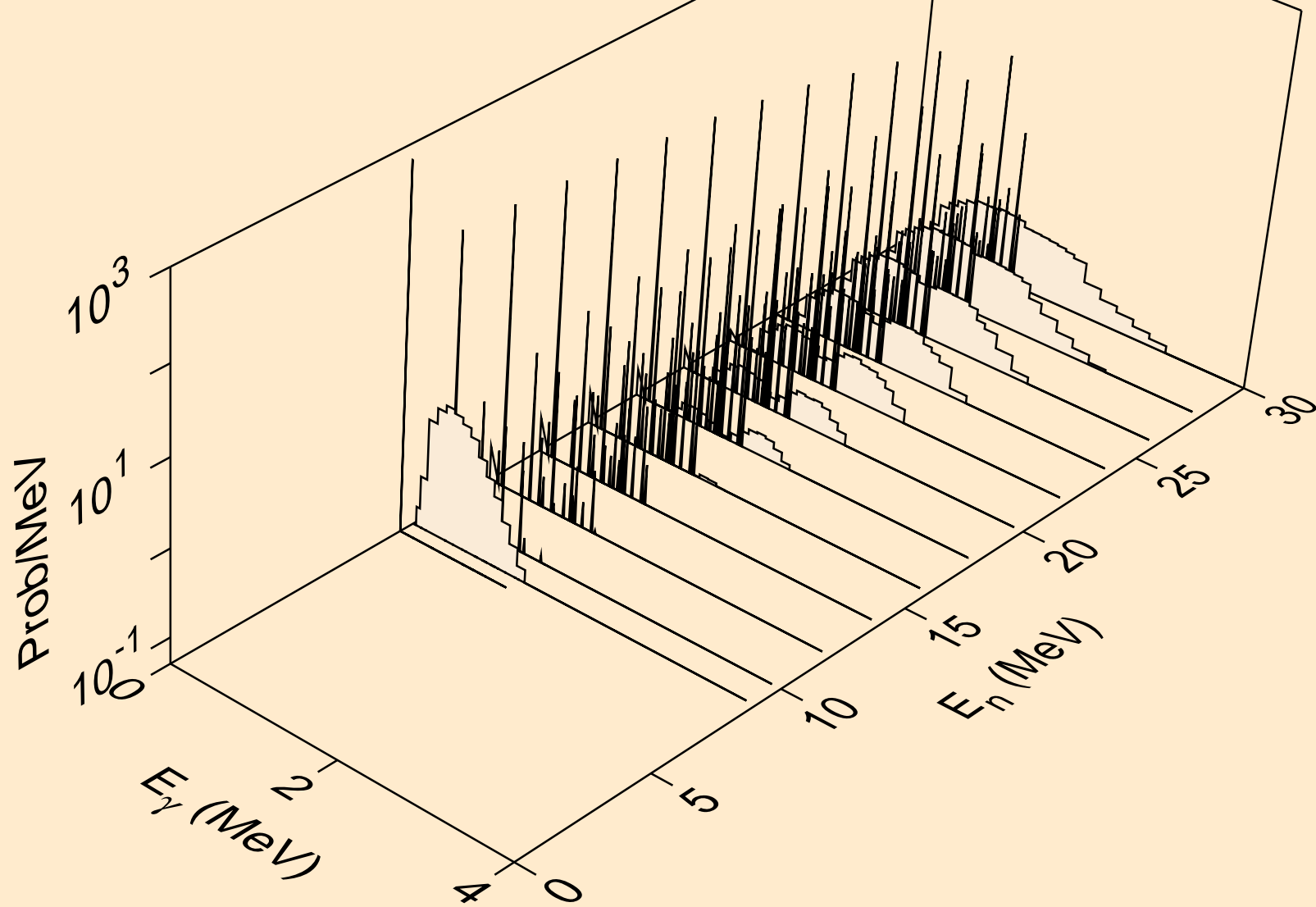


XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p

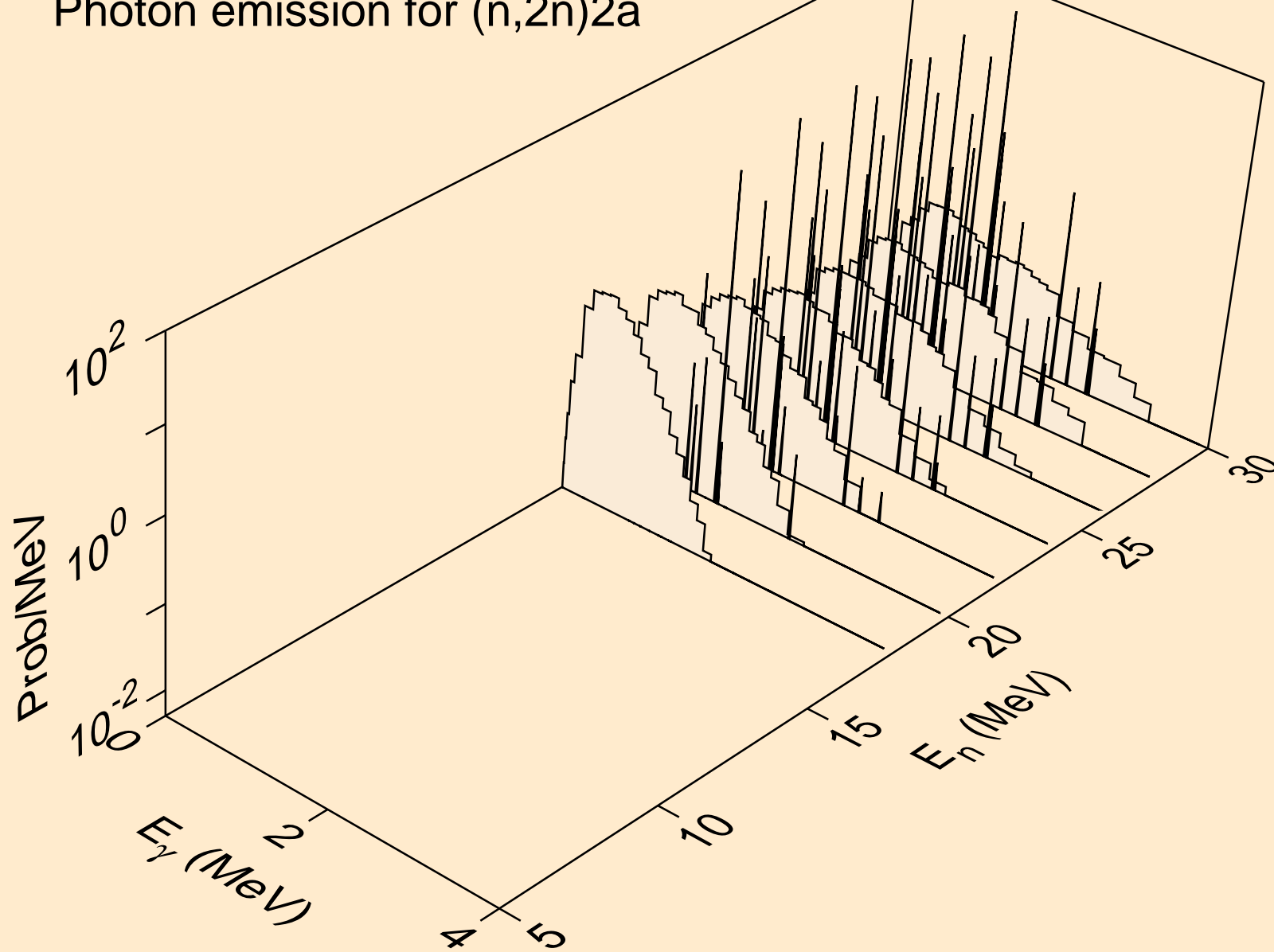




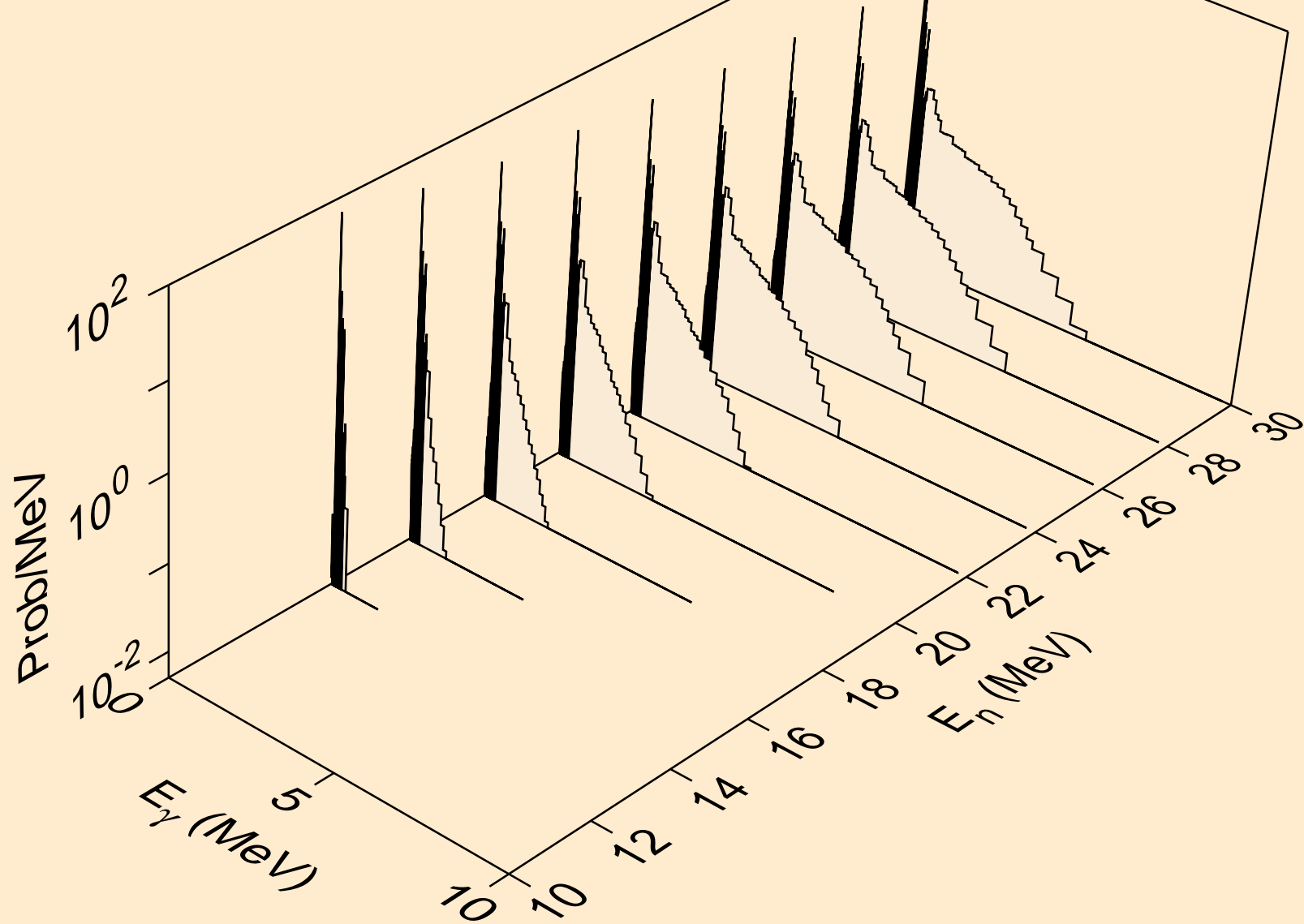
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a



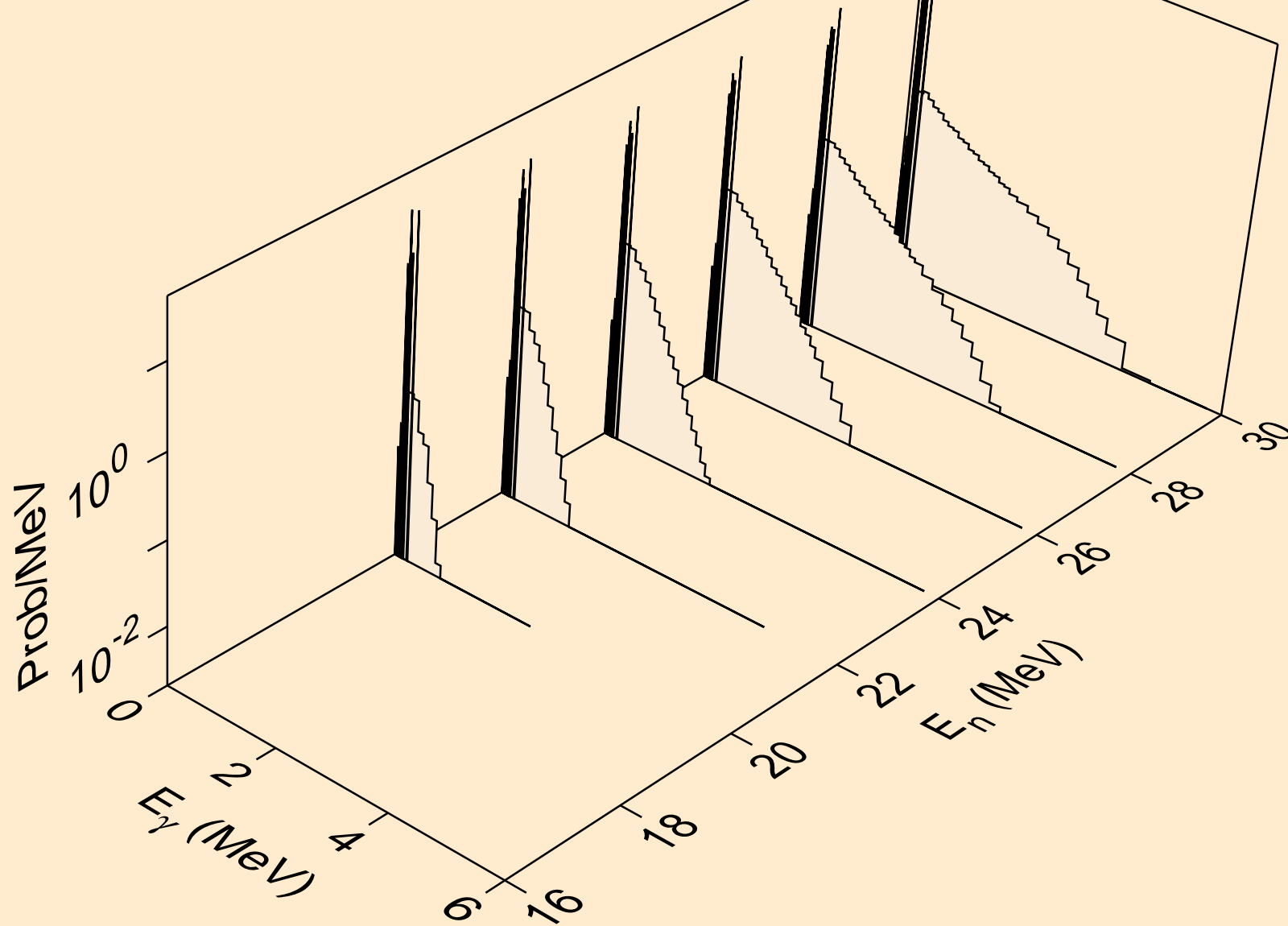
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)2a



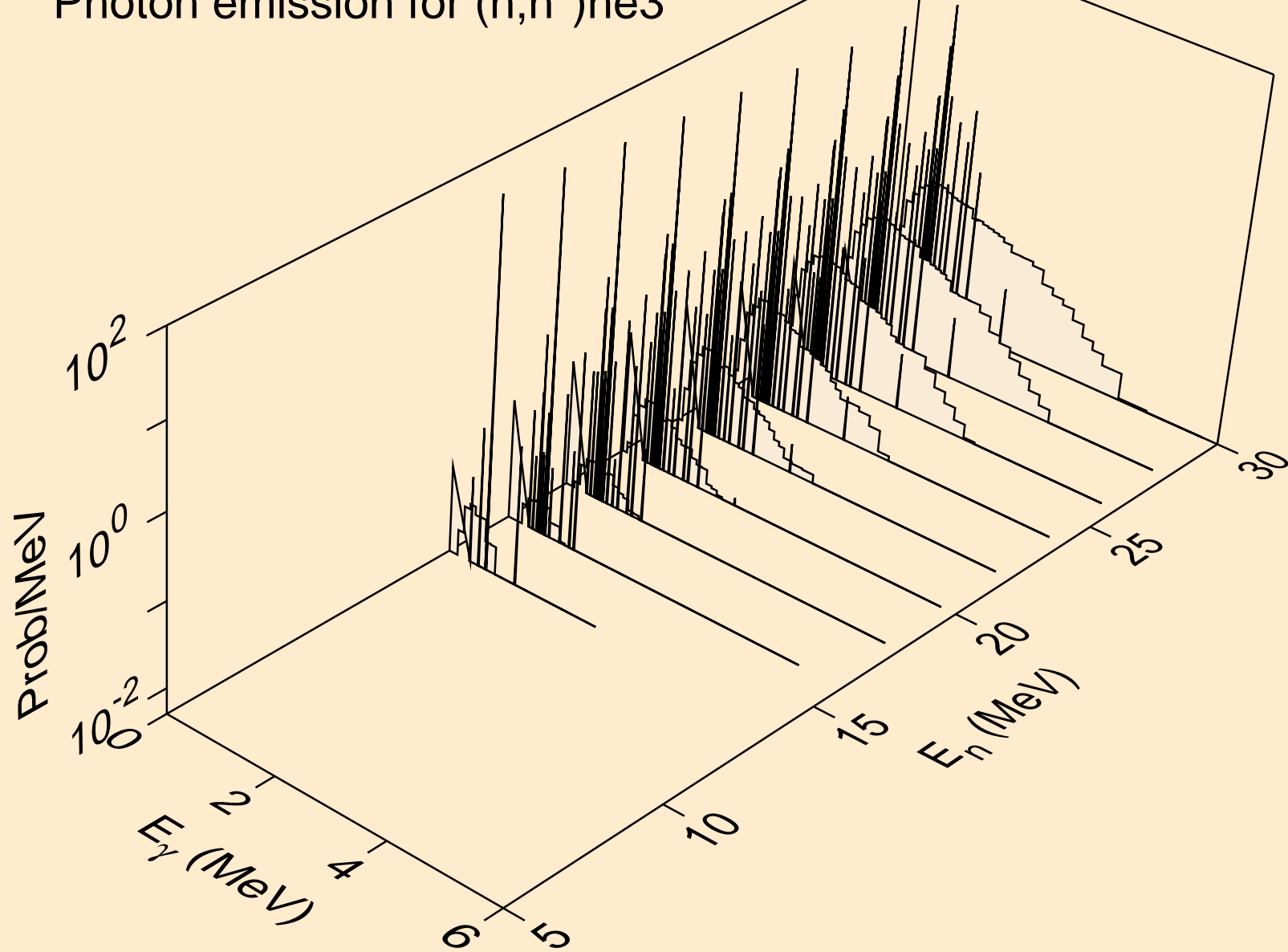
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



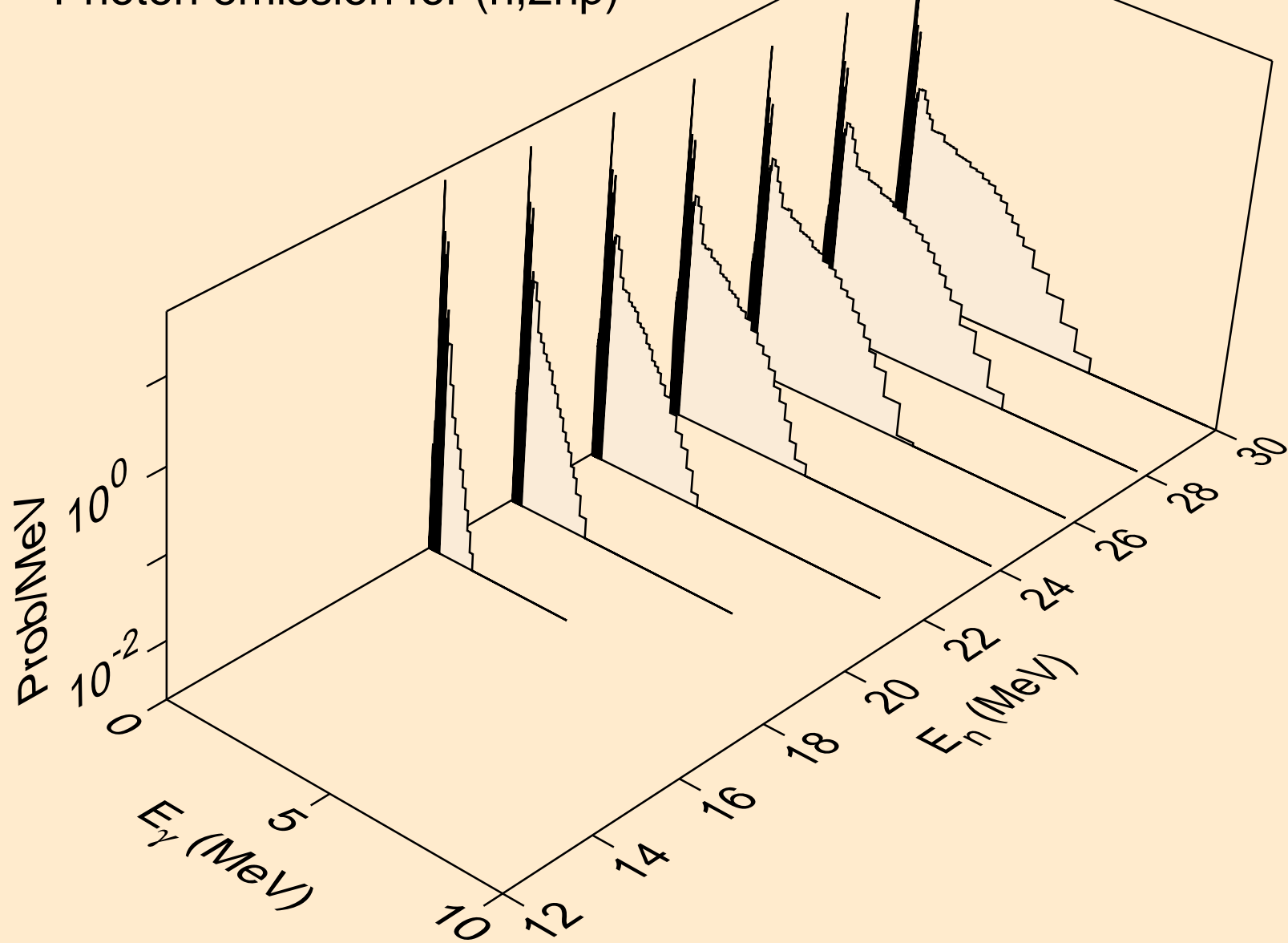
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



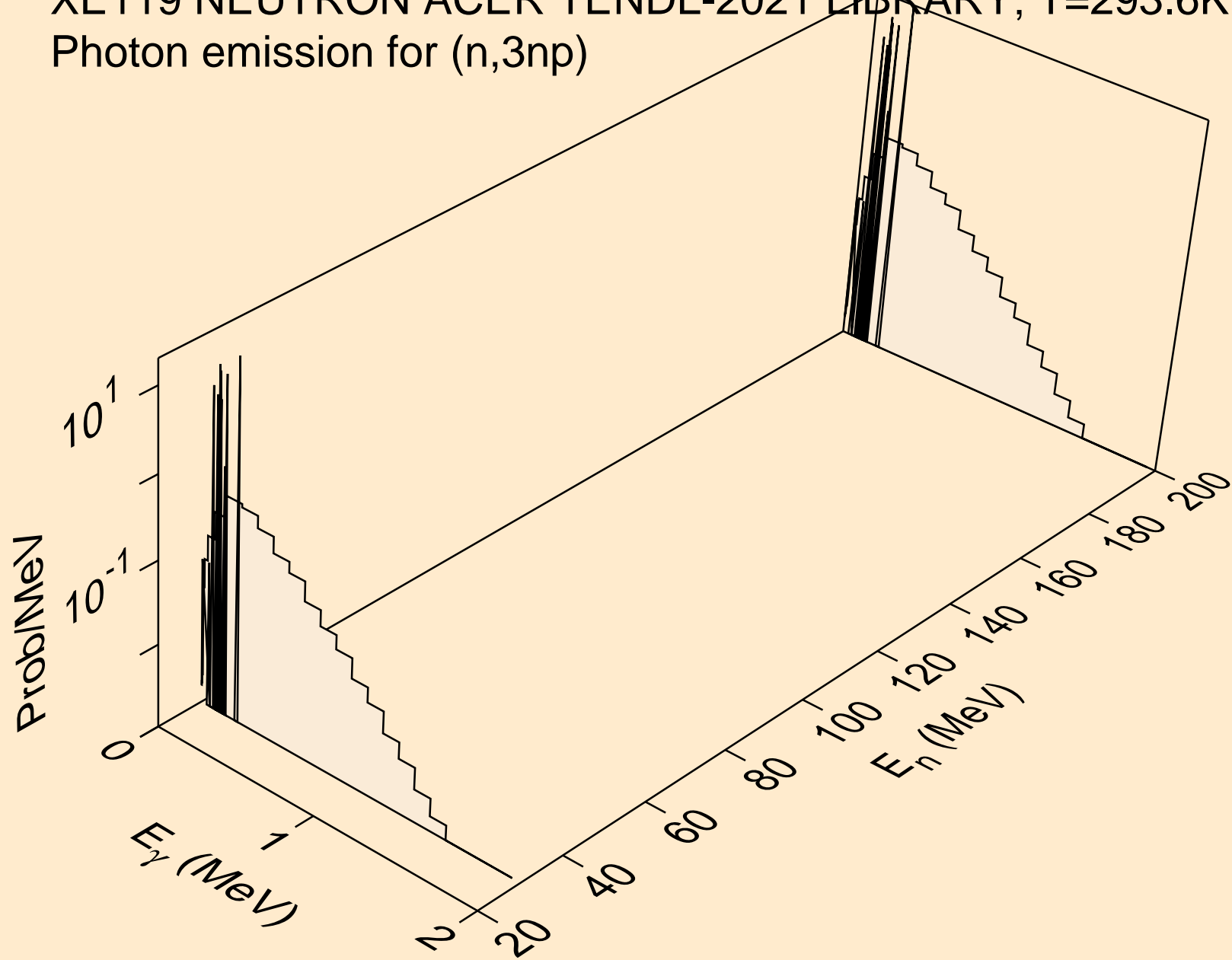
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



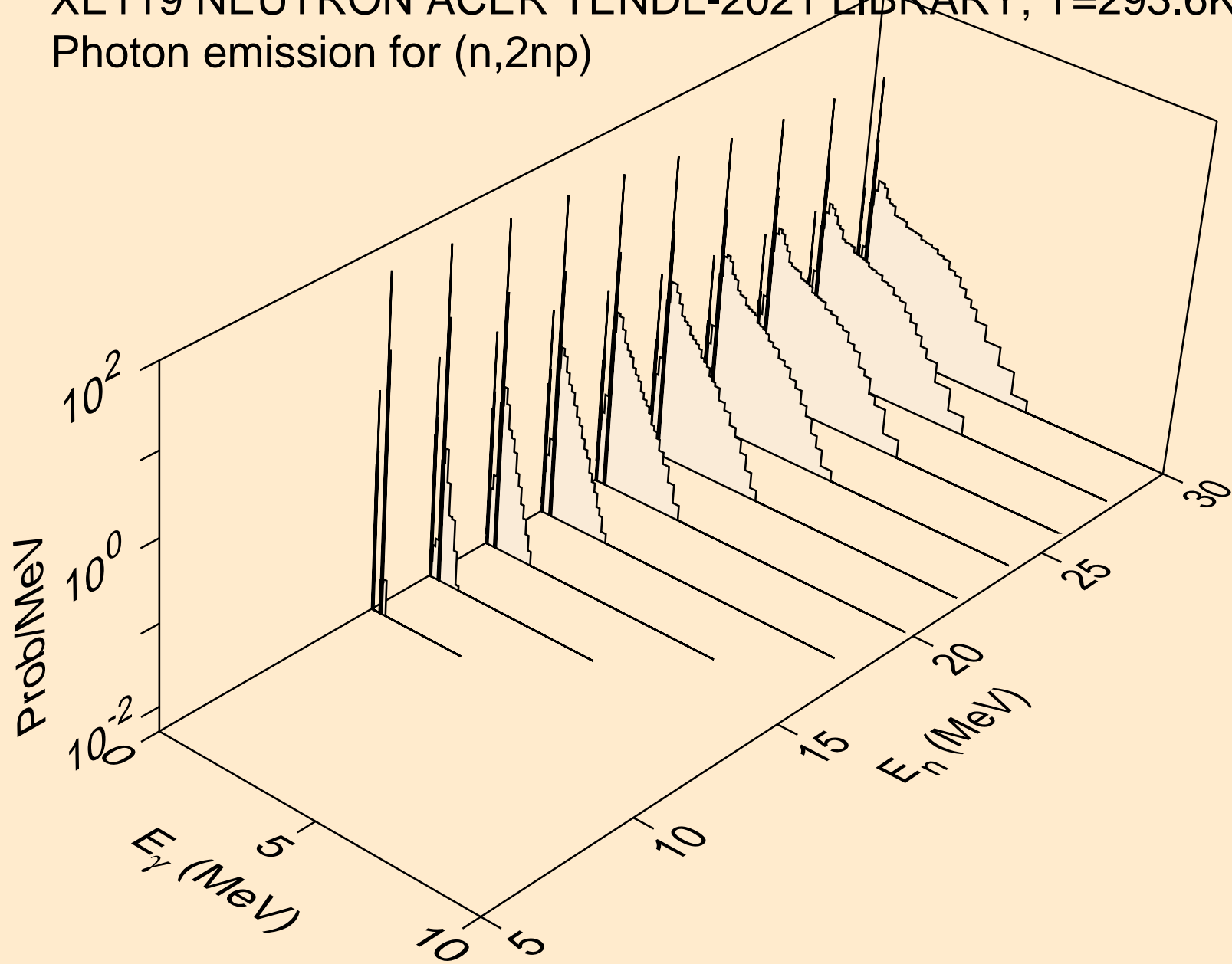
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3np)

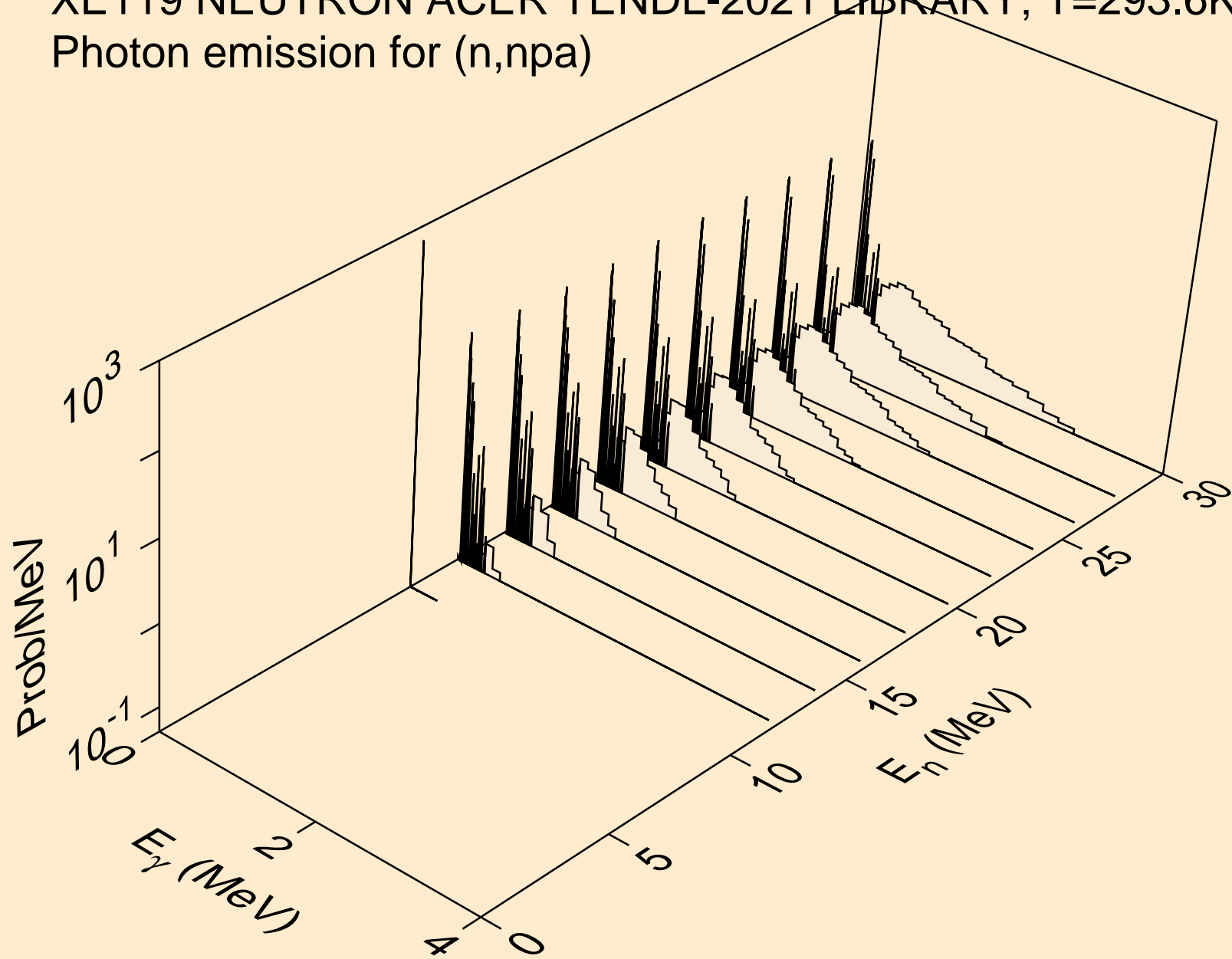


XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)

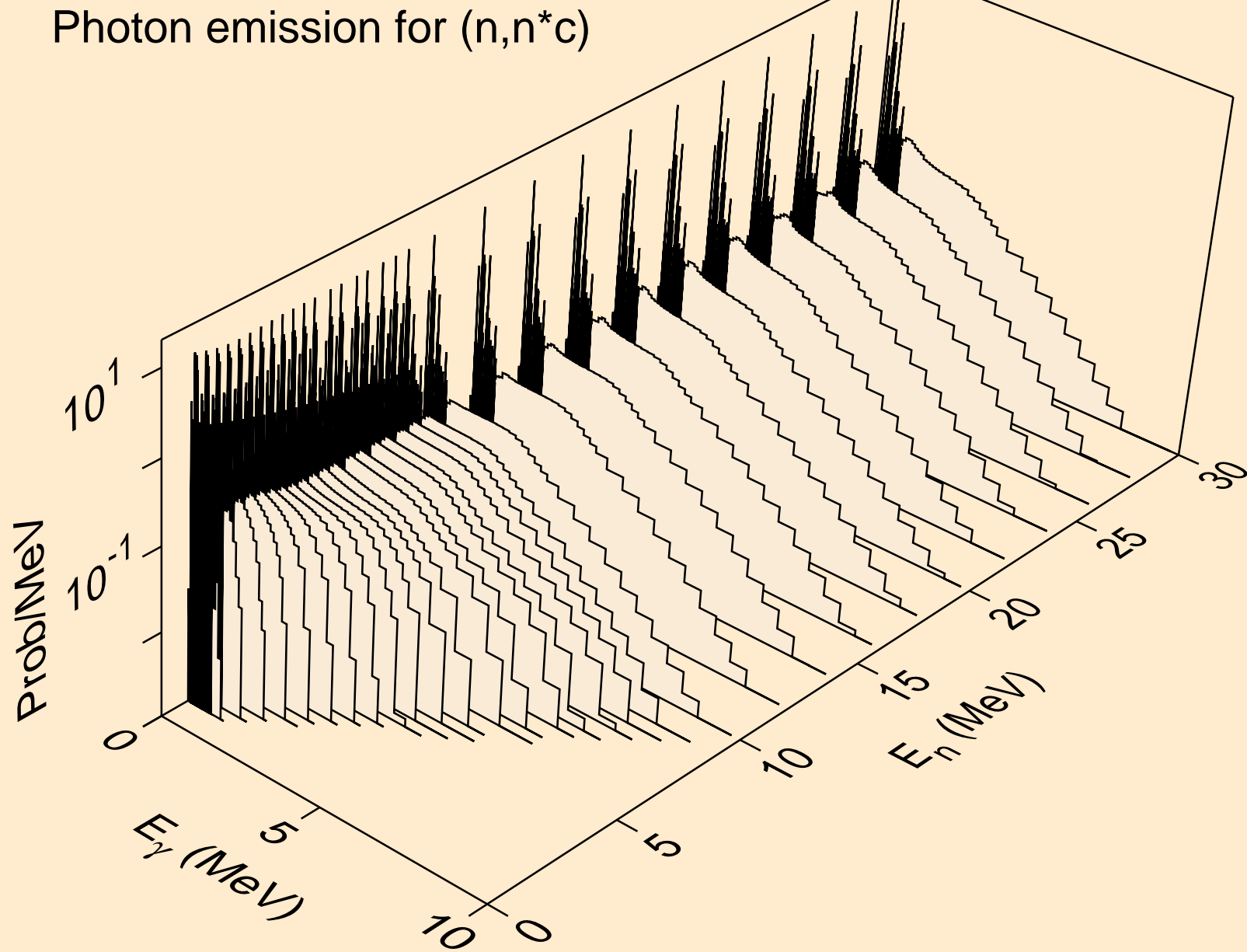




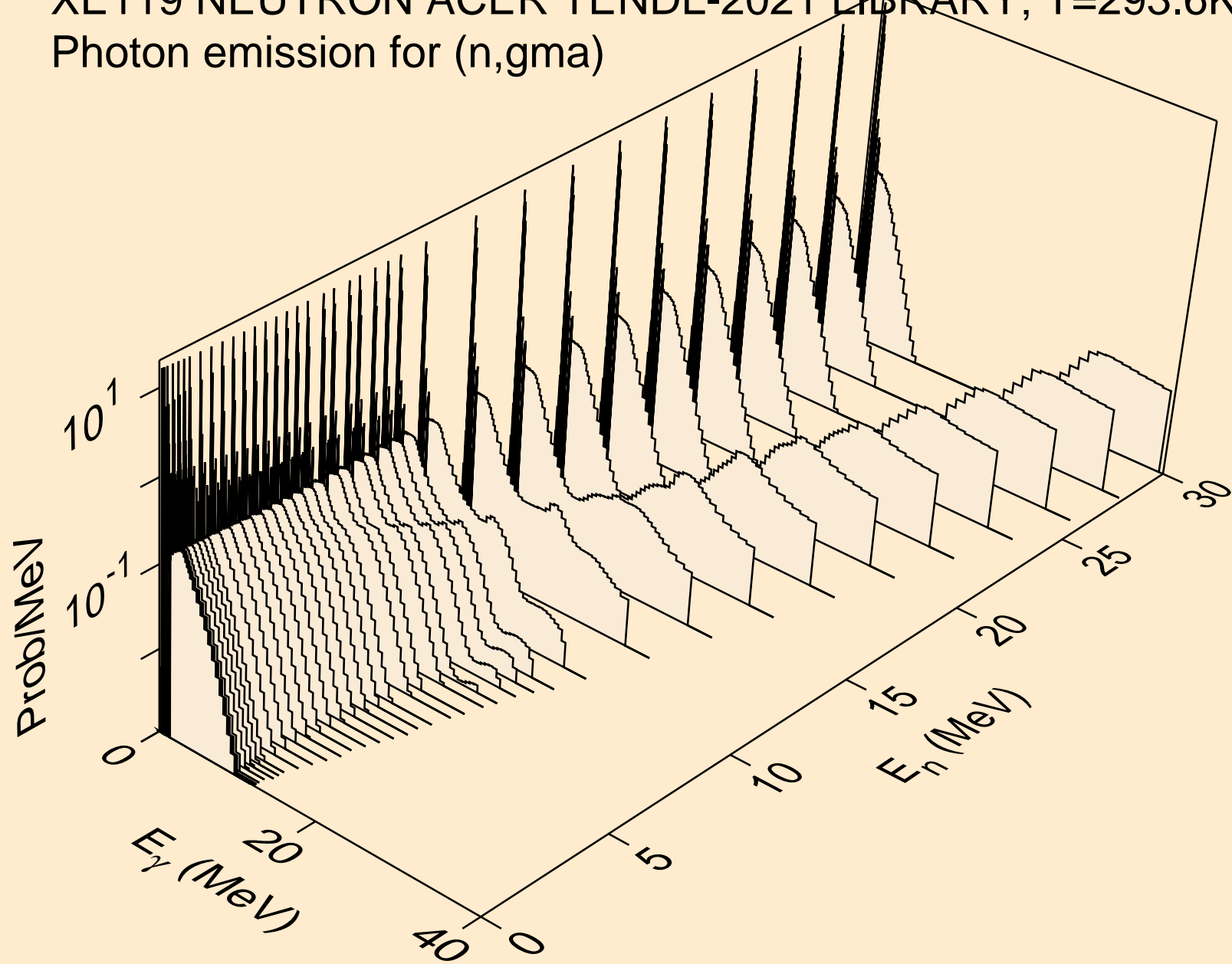
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,npa)



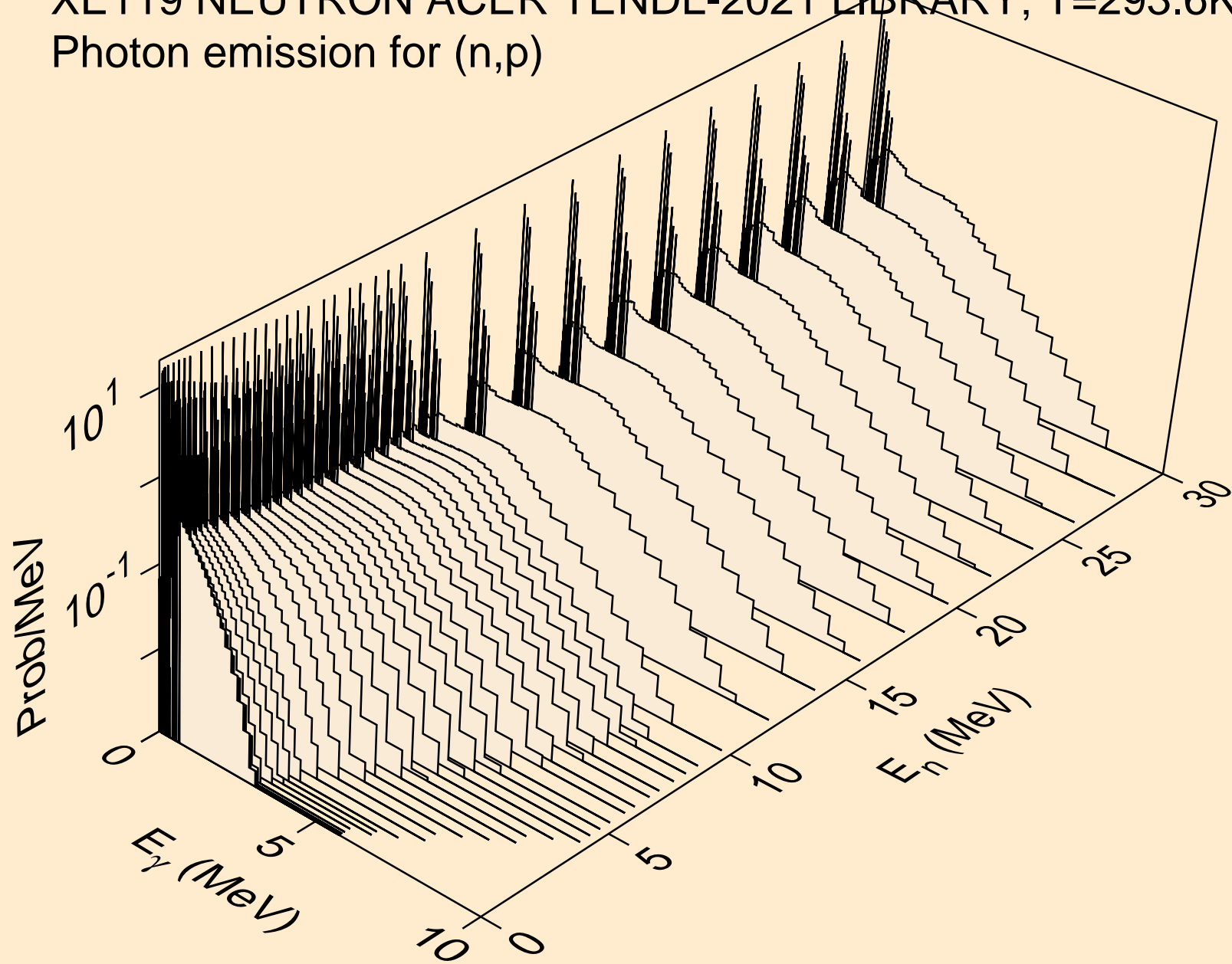
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



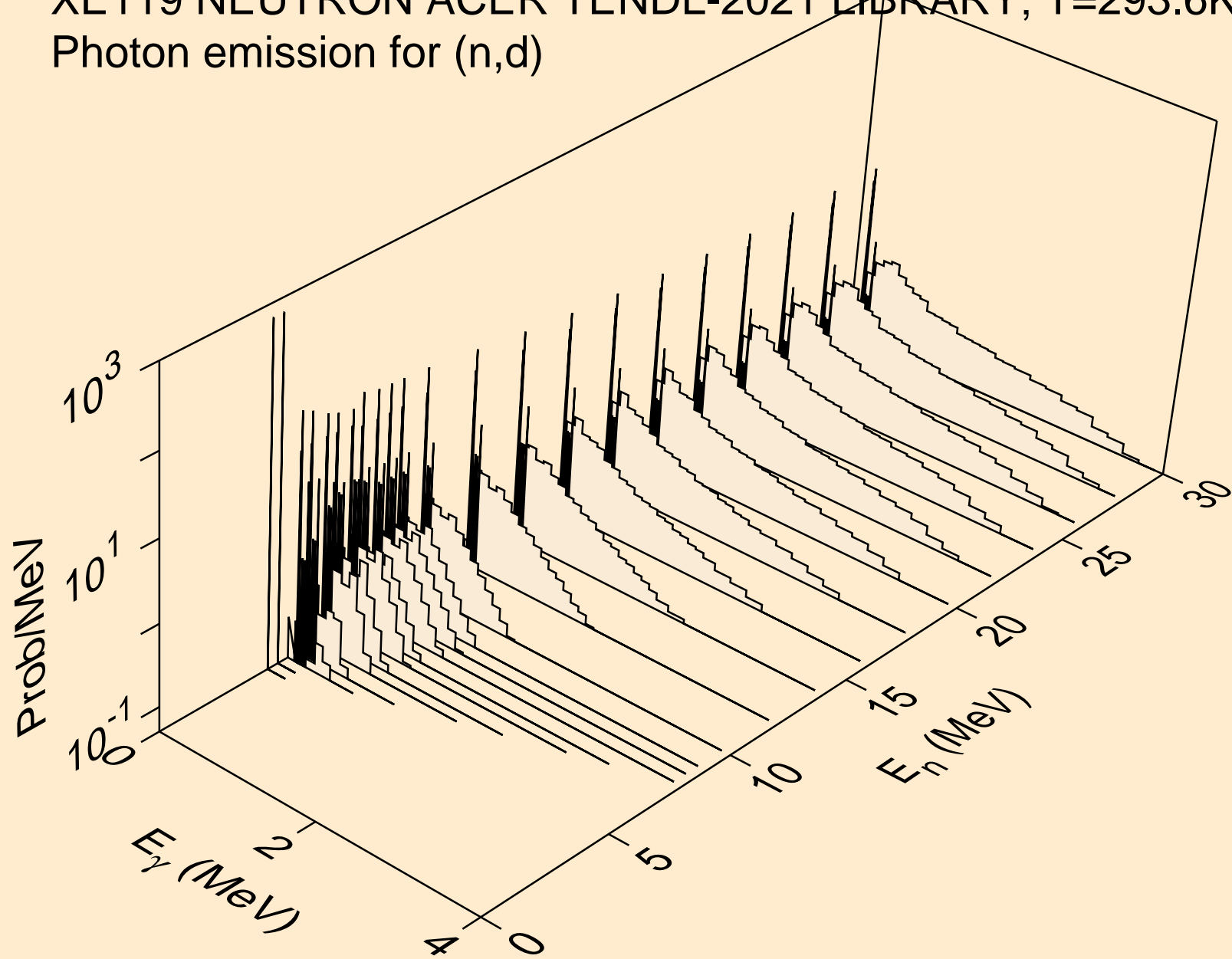
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,gma)



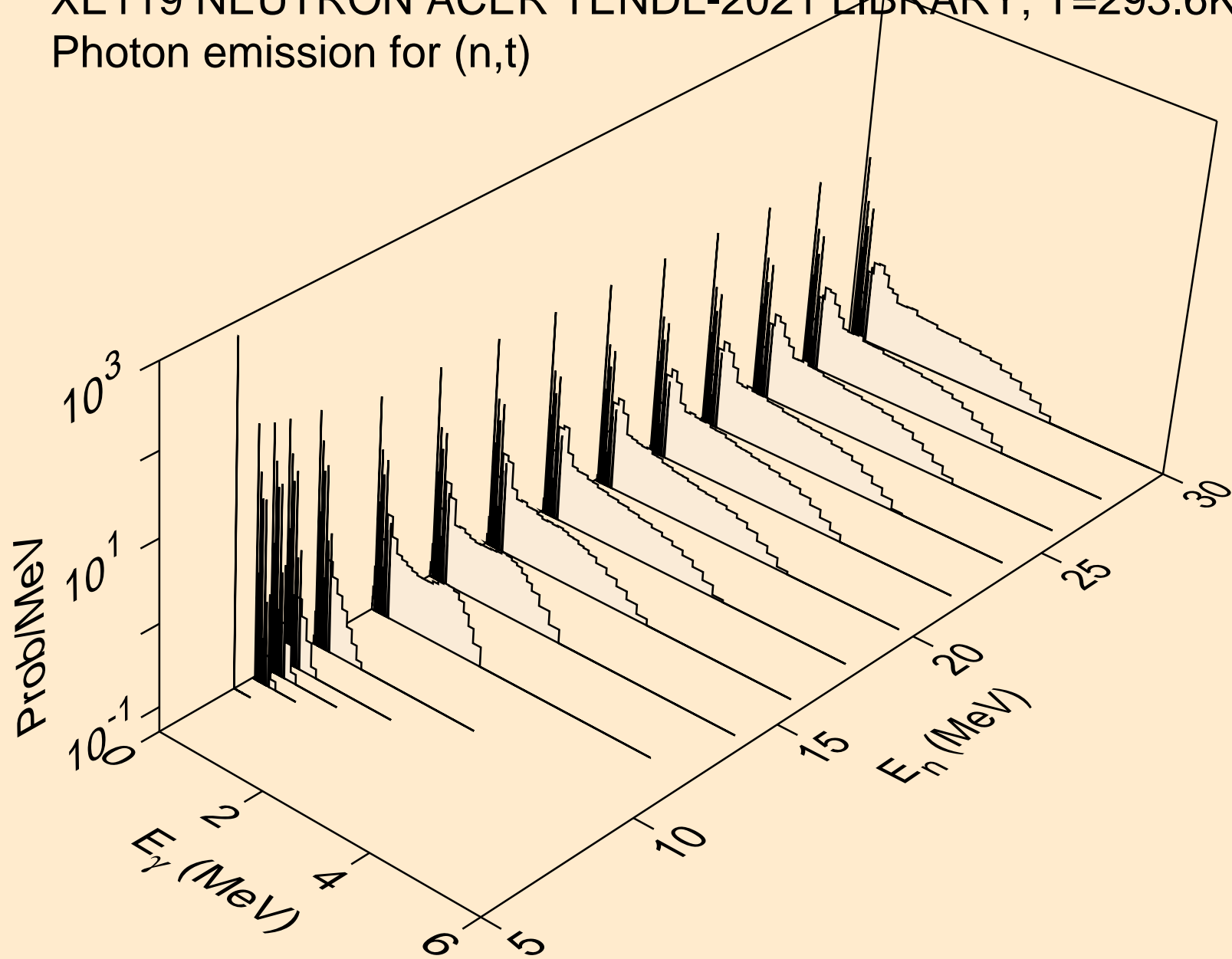
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)



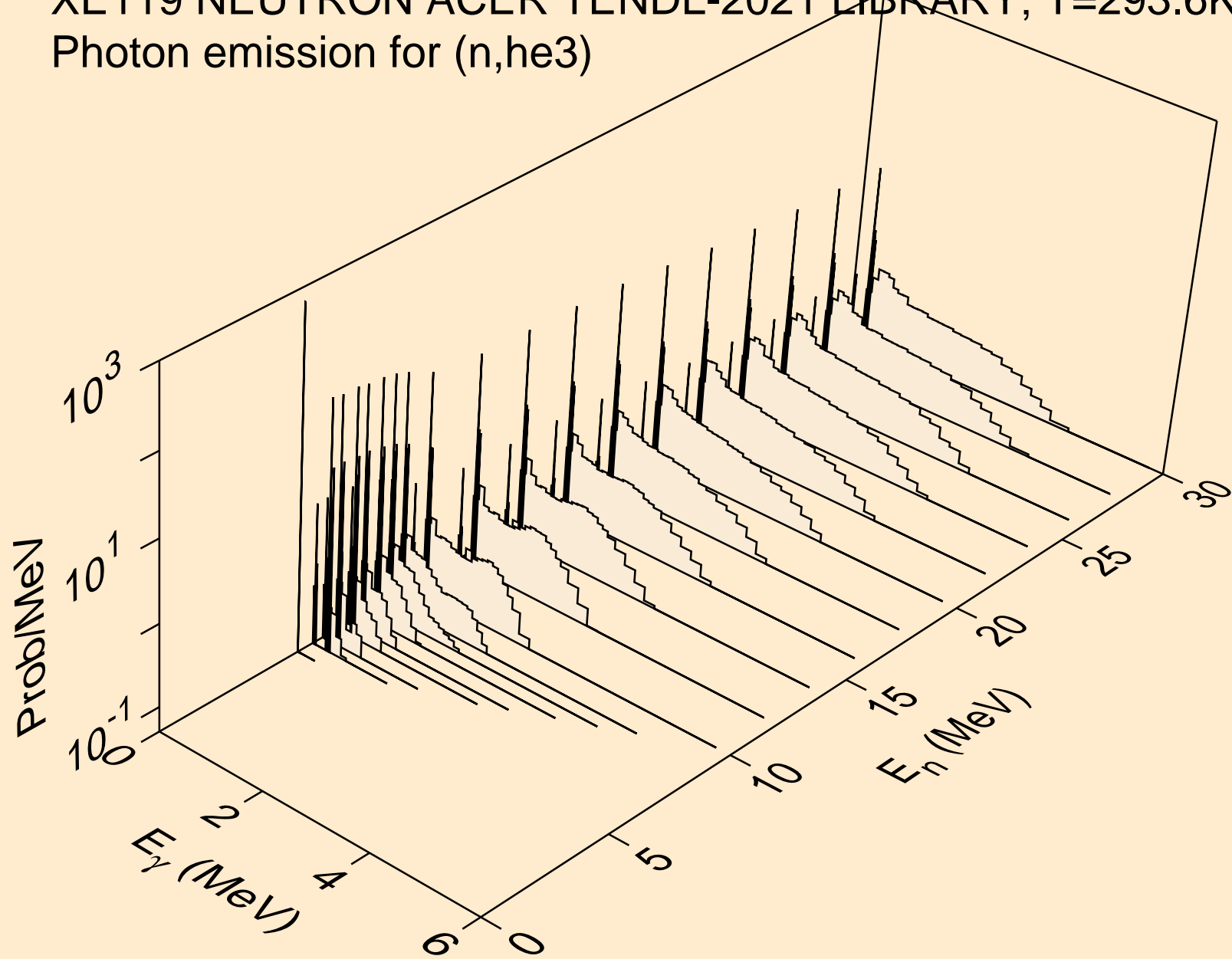
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)



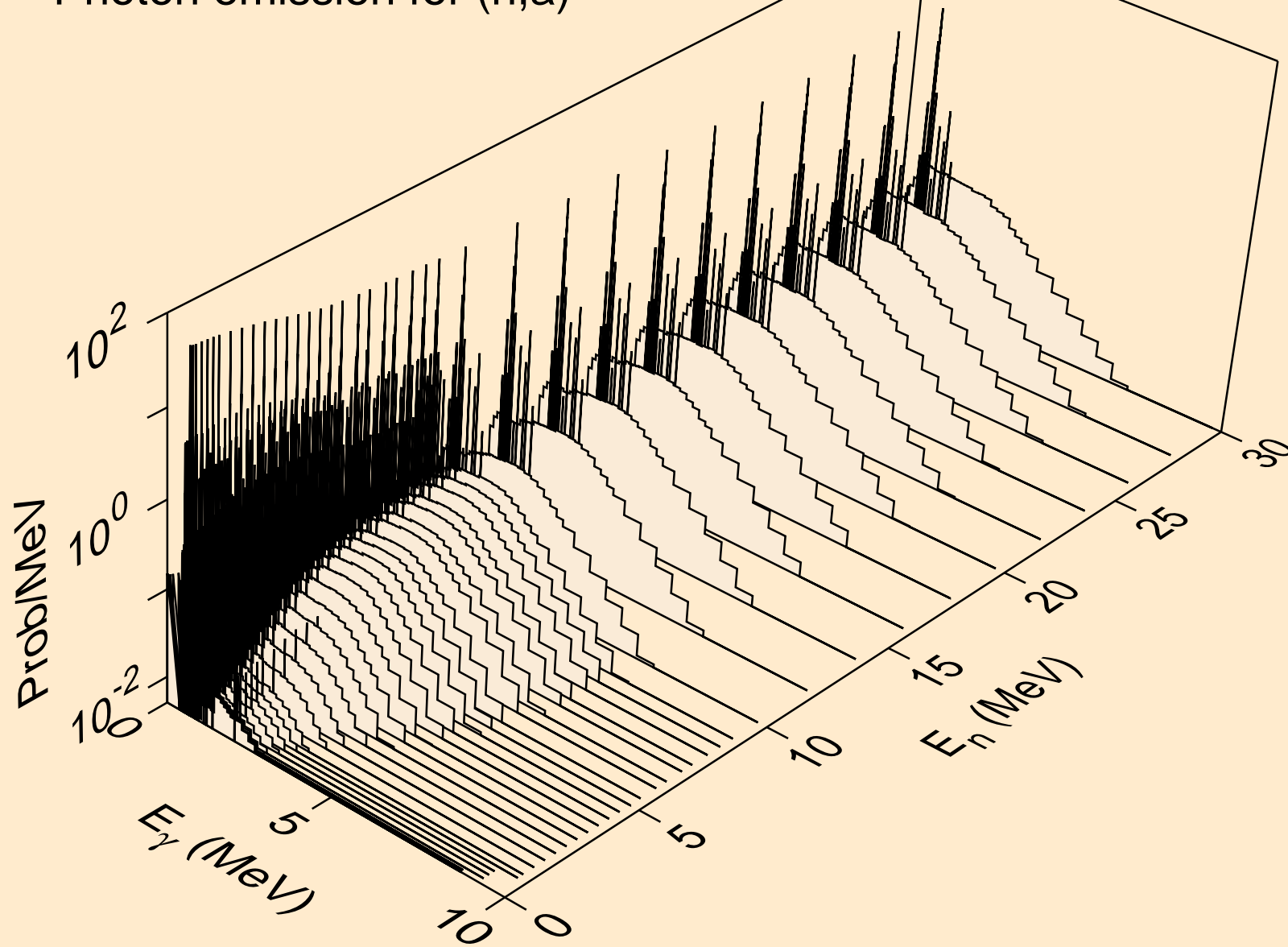
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)



XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,he3)

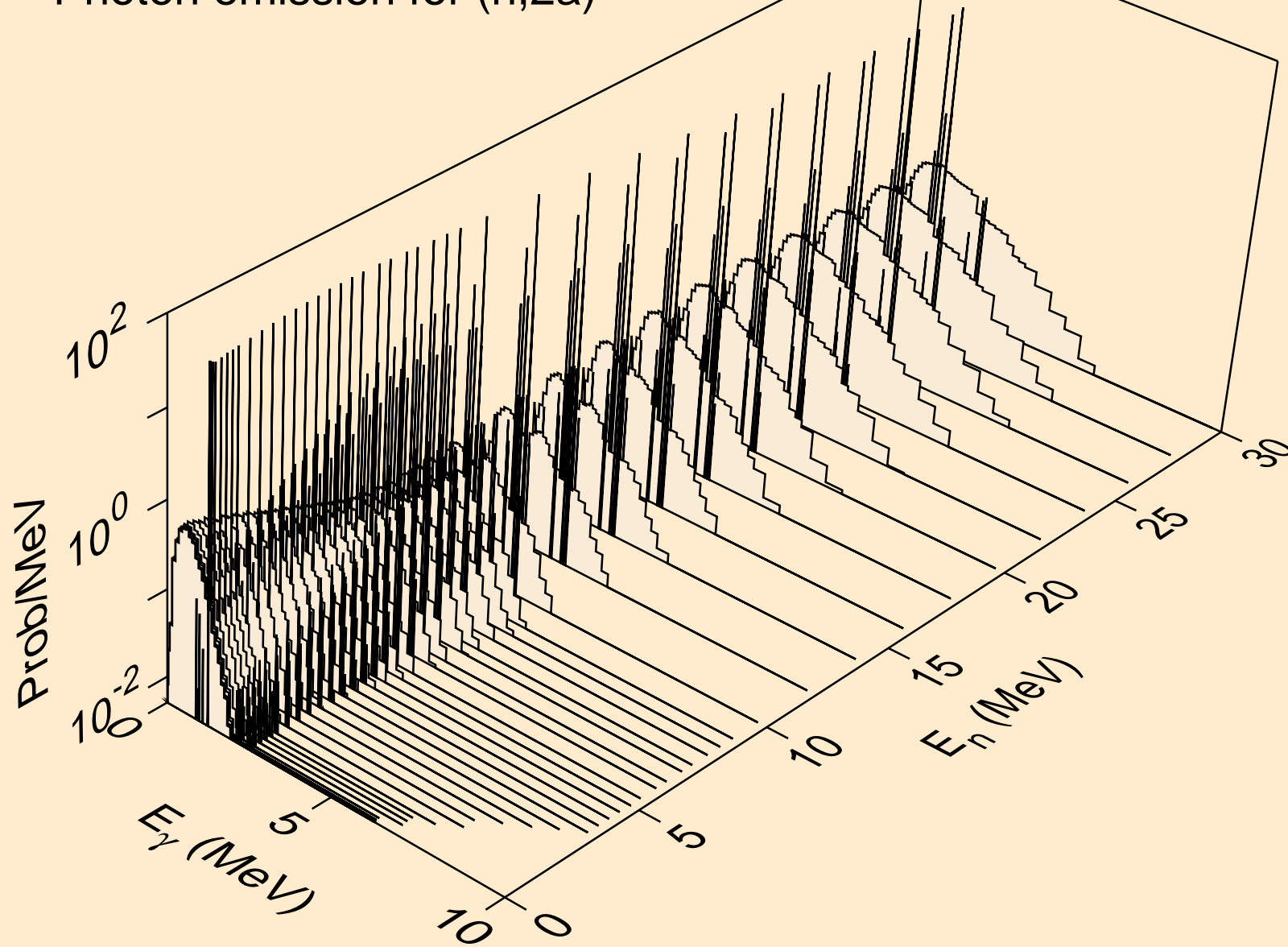


XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,a)

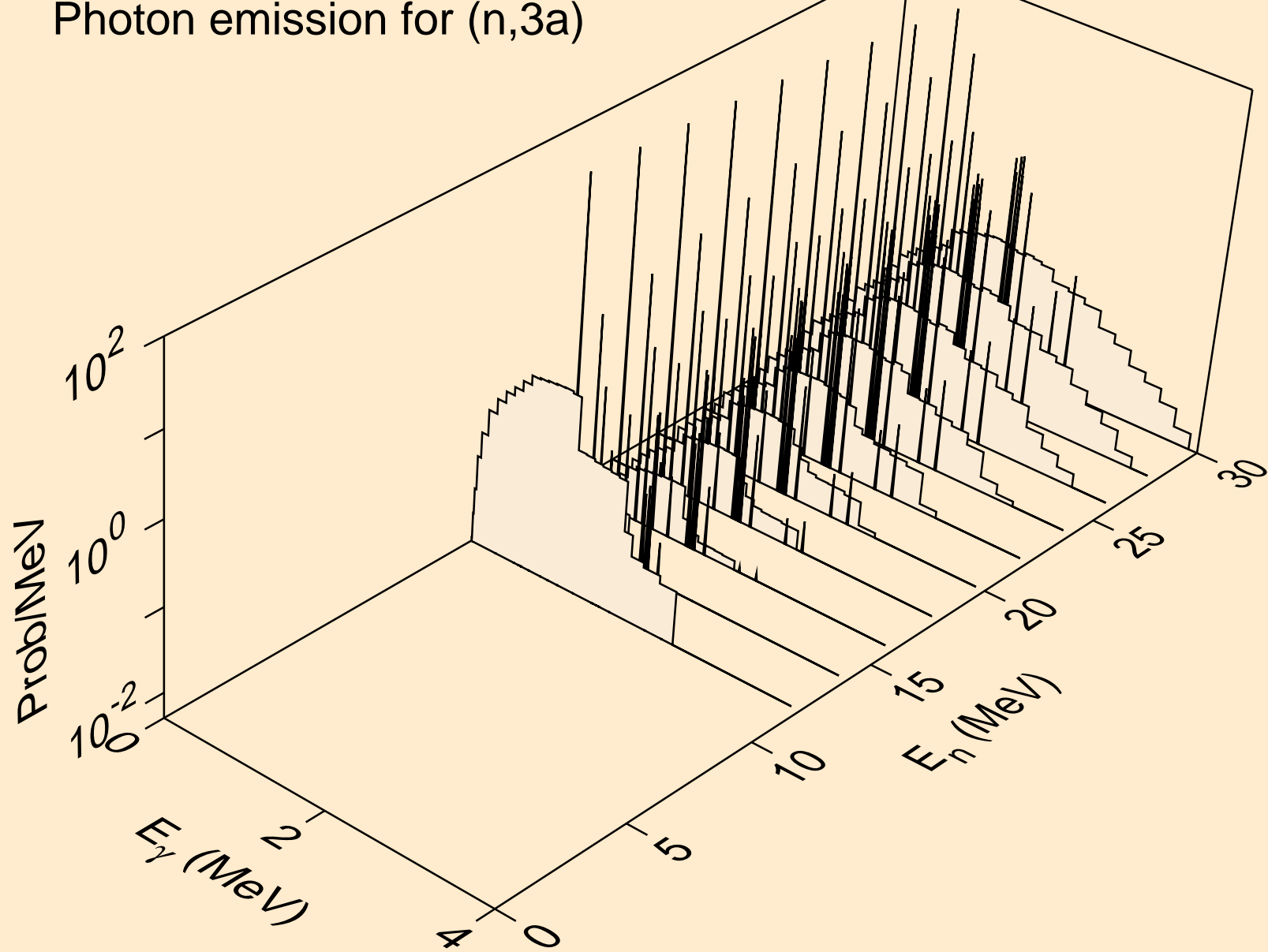




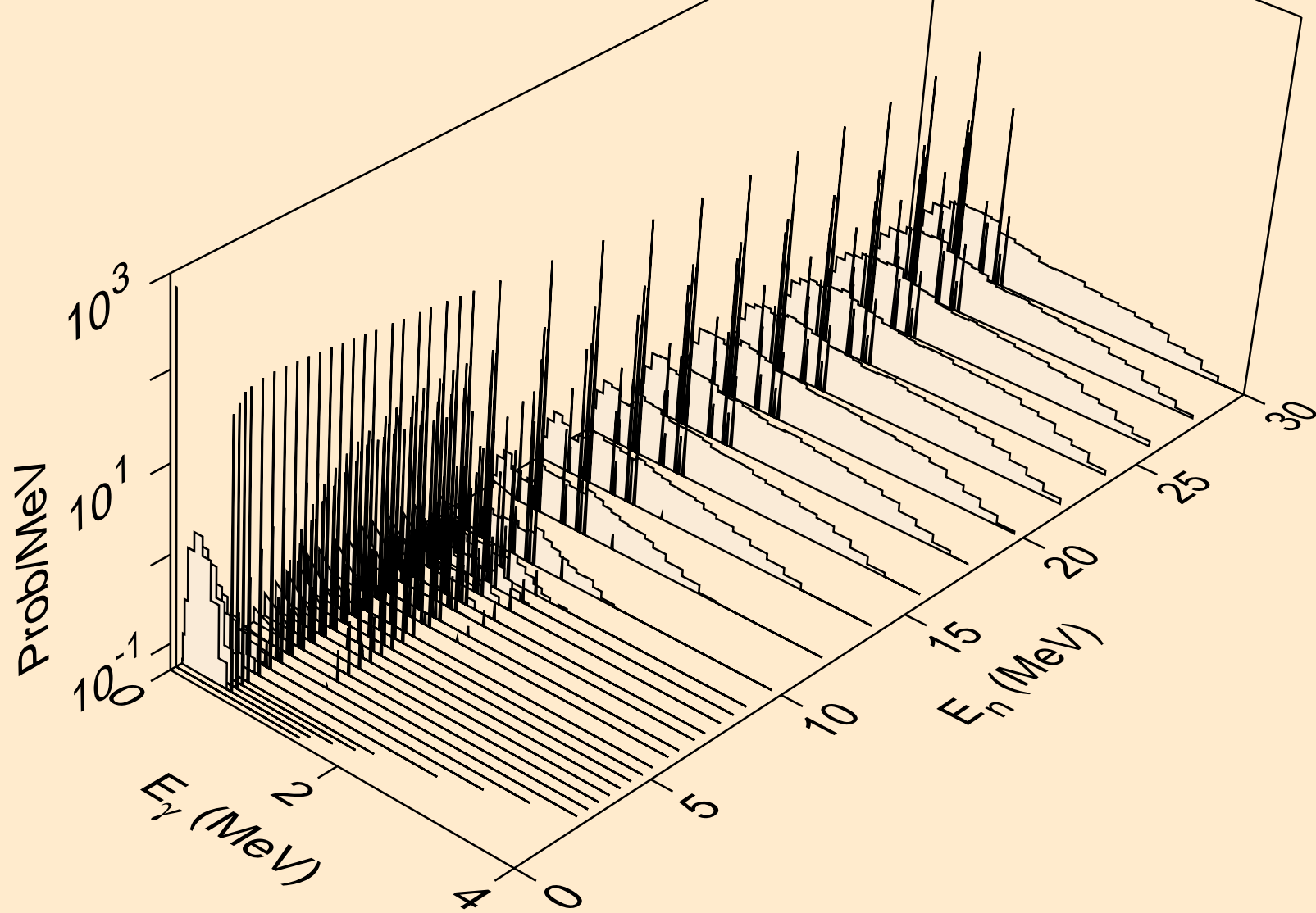
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2a)



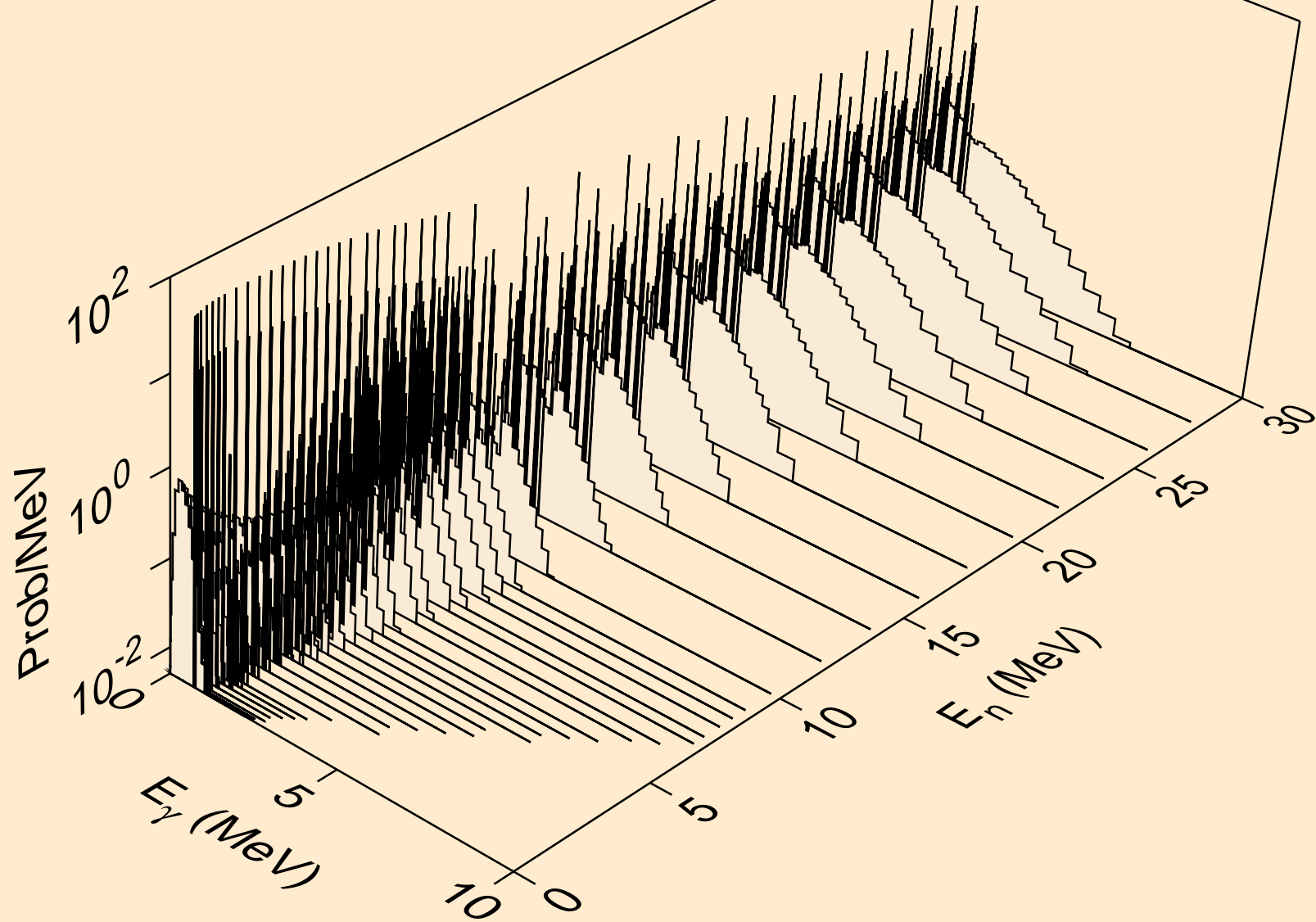
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3a)



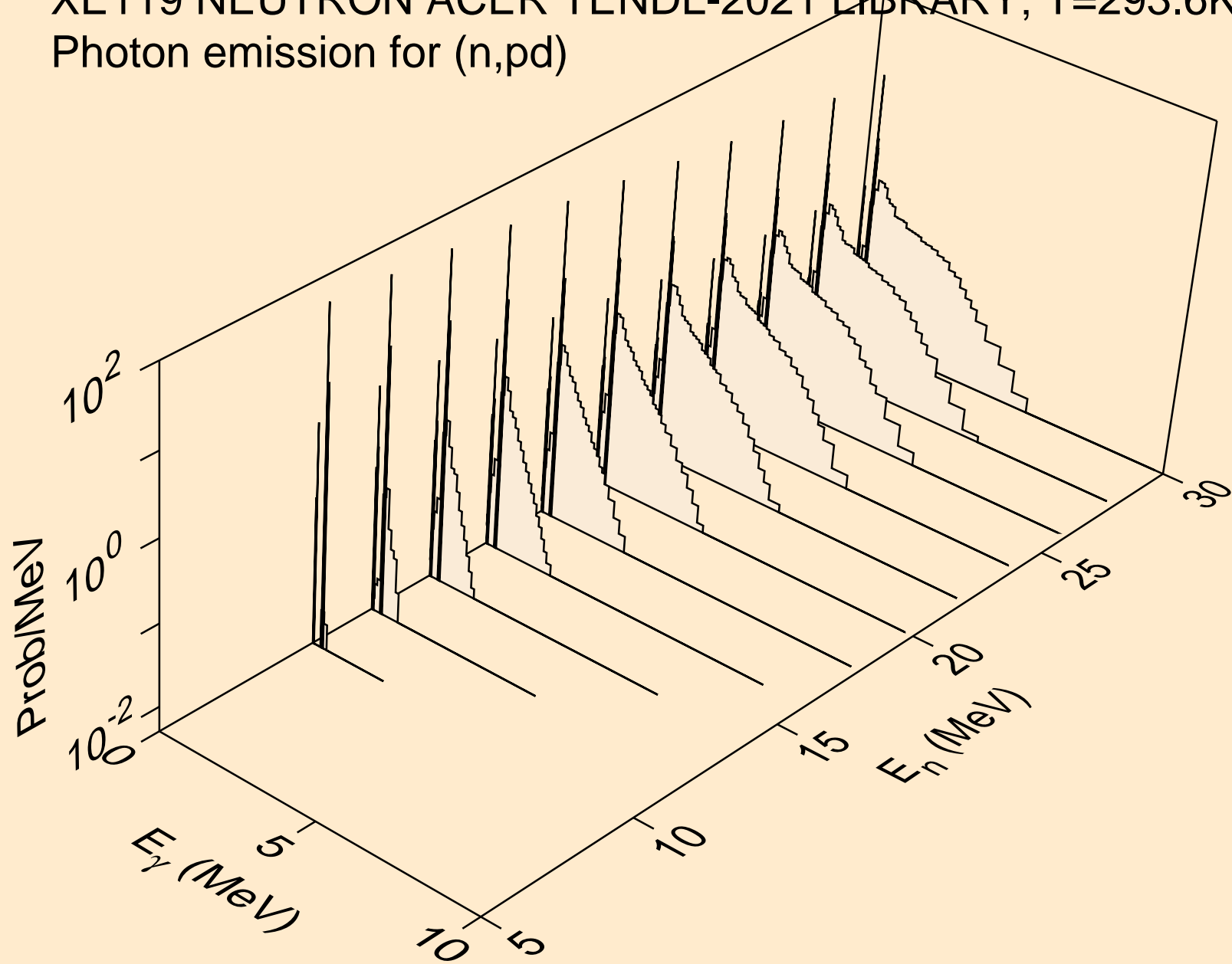
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2p)



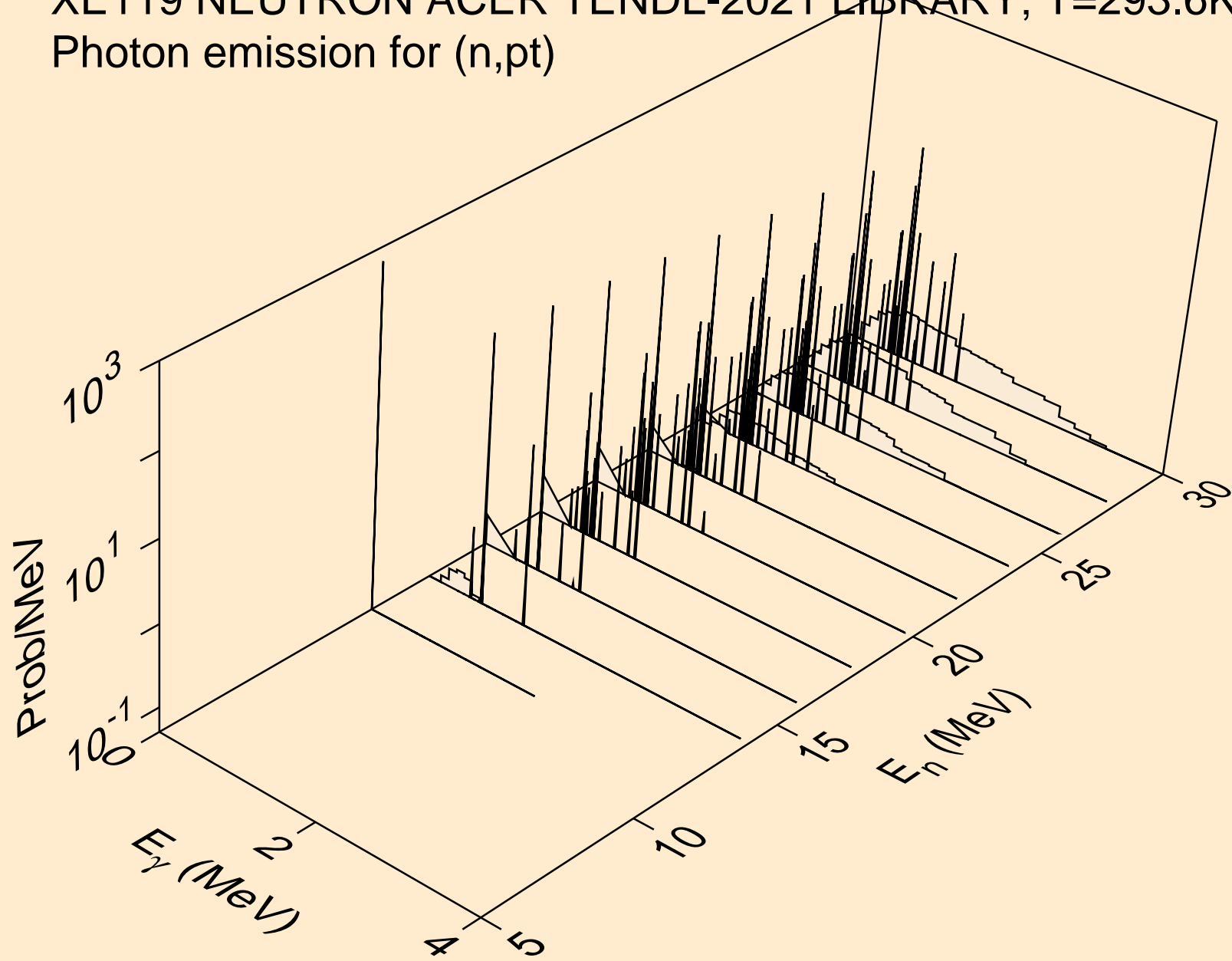
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p $\alpha$ )



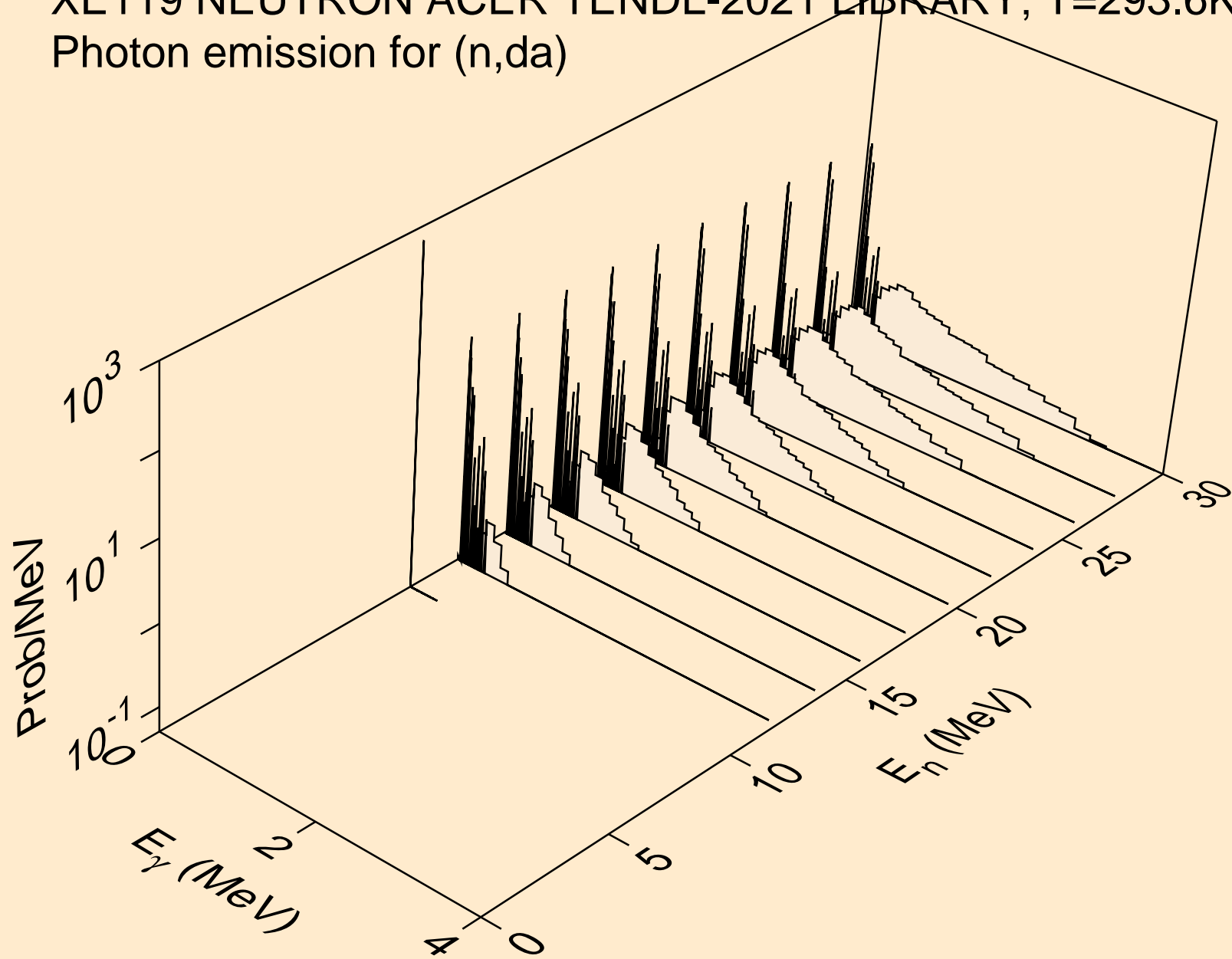
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pd)



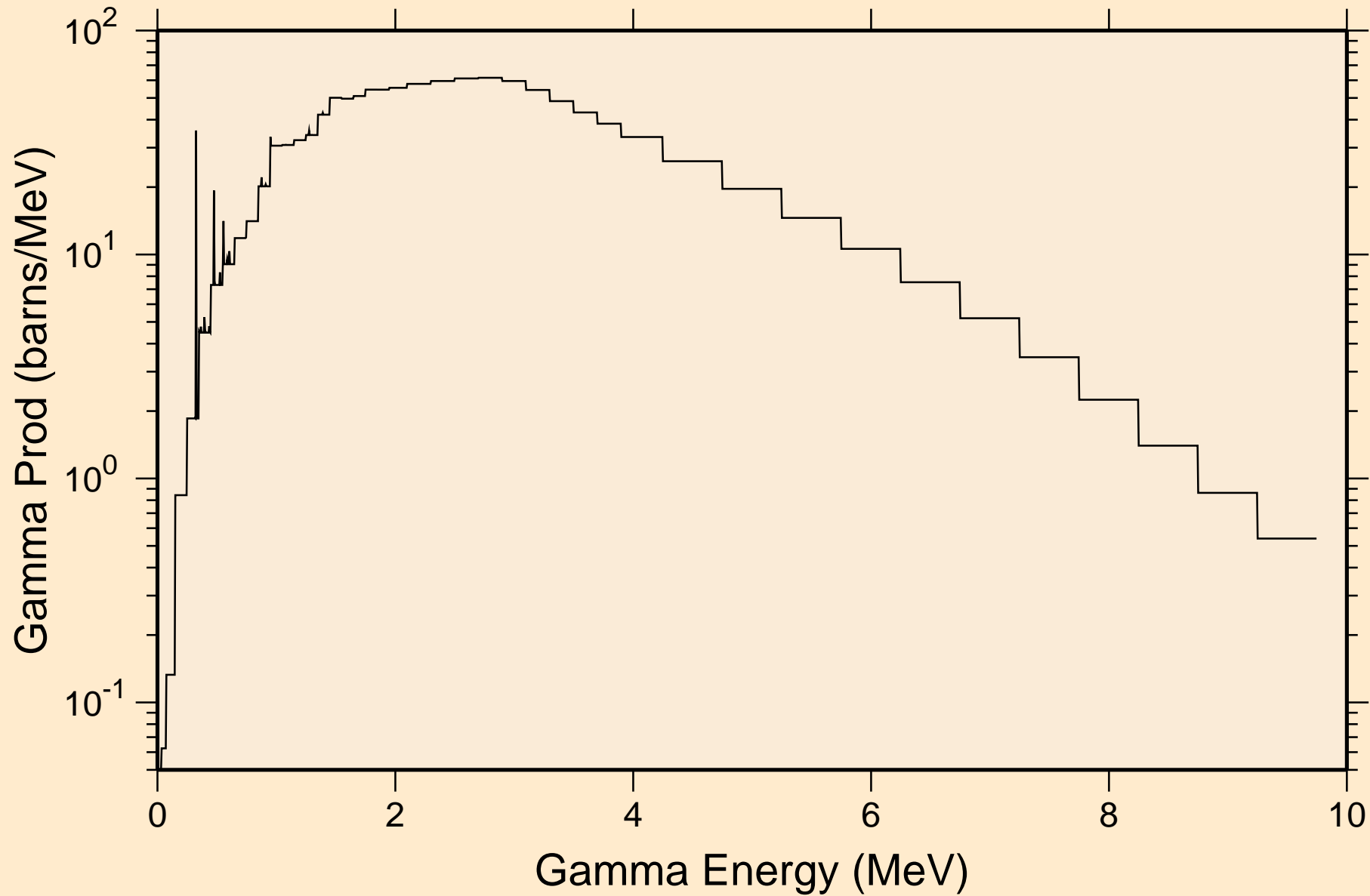
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pt)



XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)

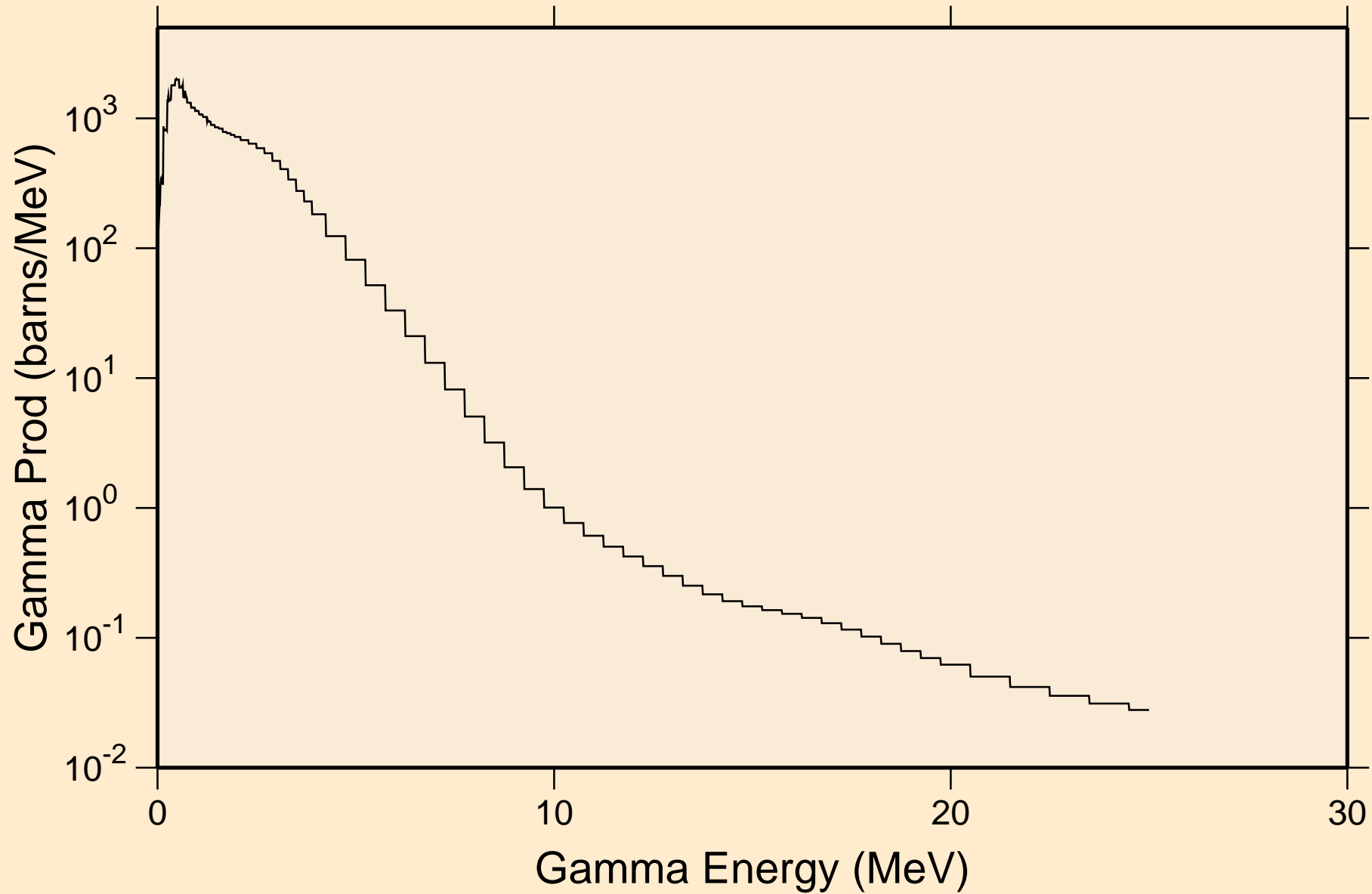


XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum



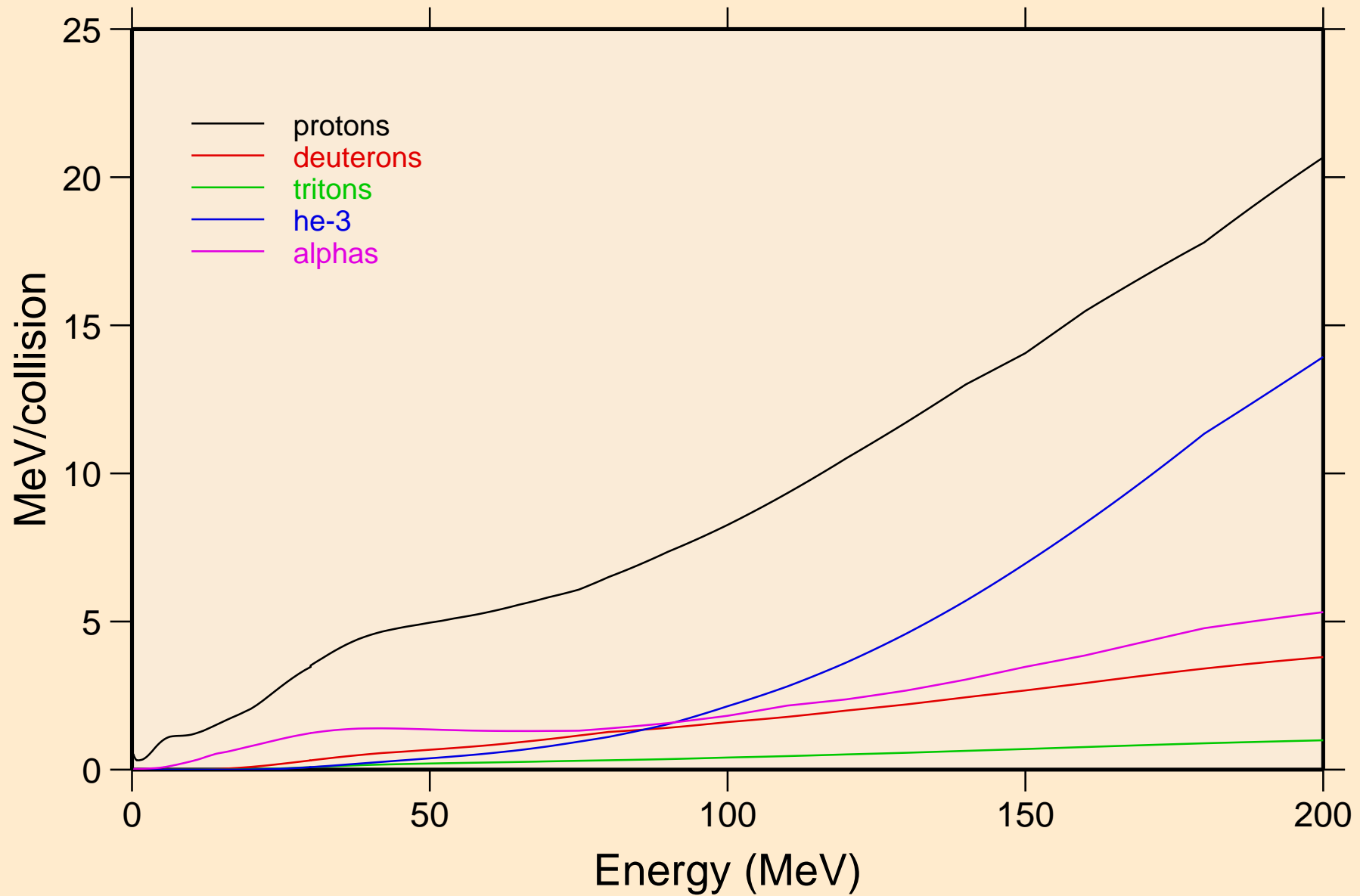


XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum

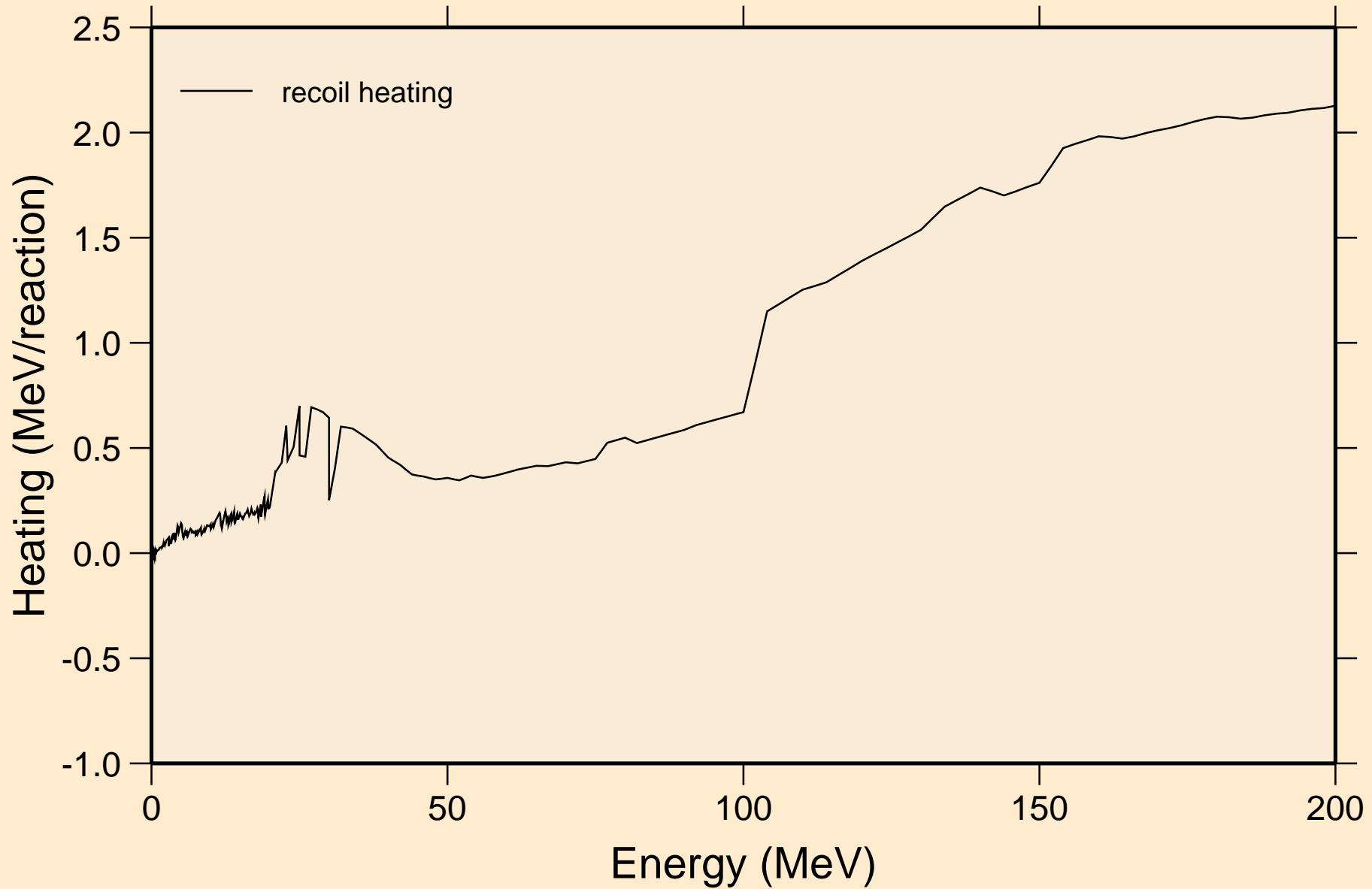


# XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

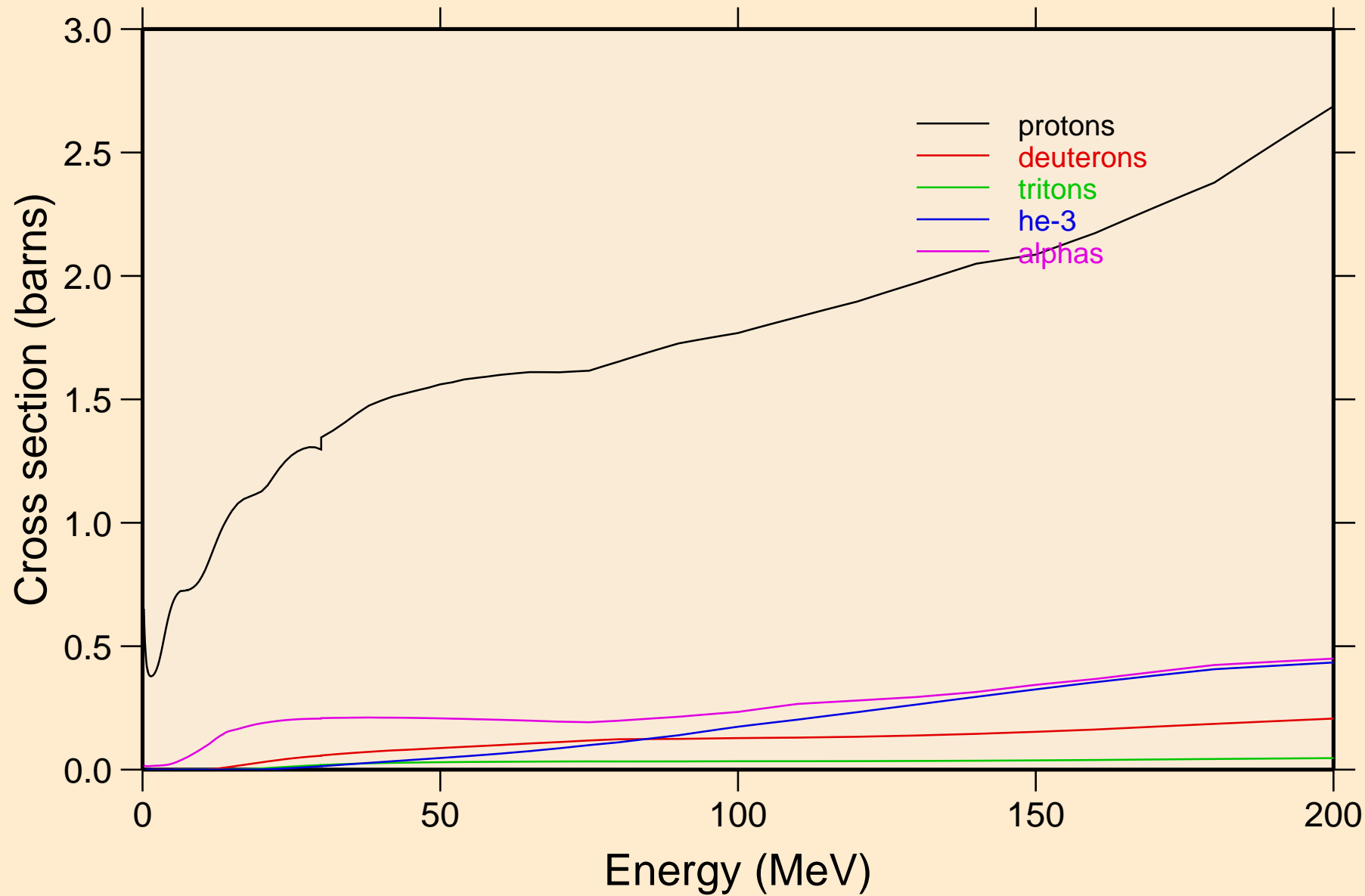
## Particle heating contributions



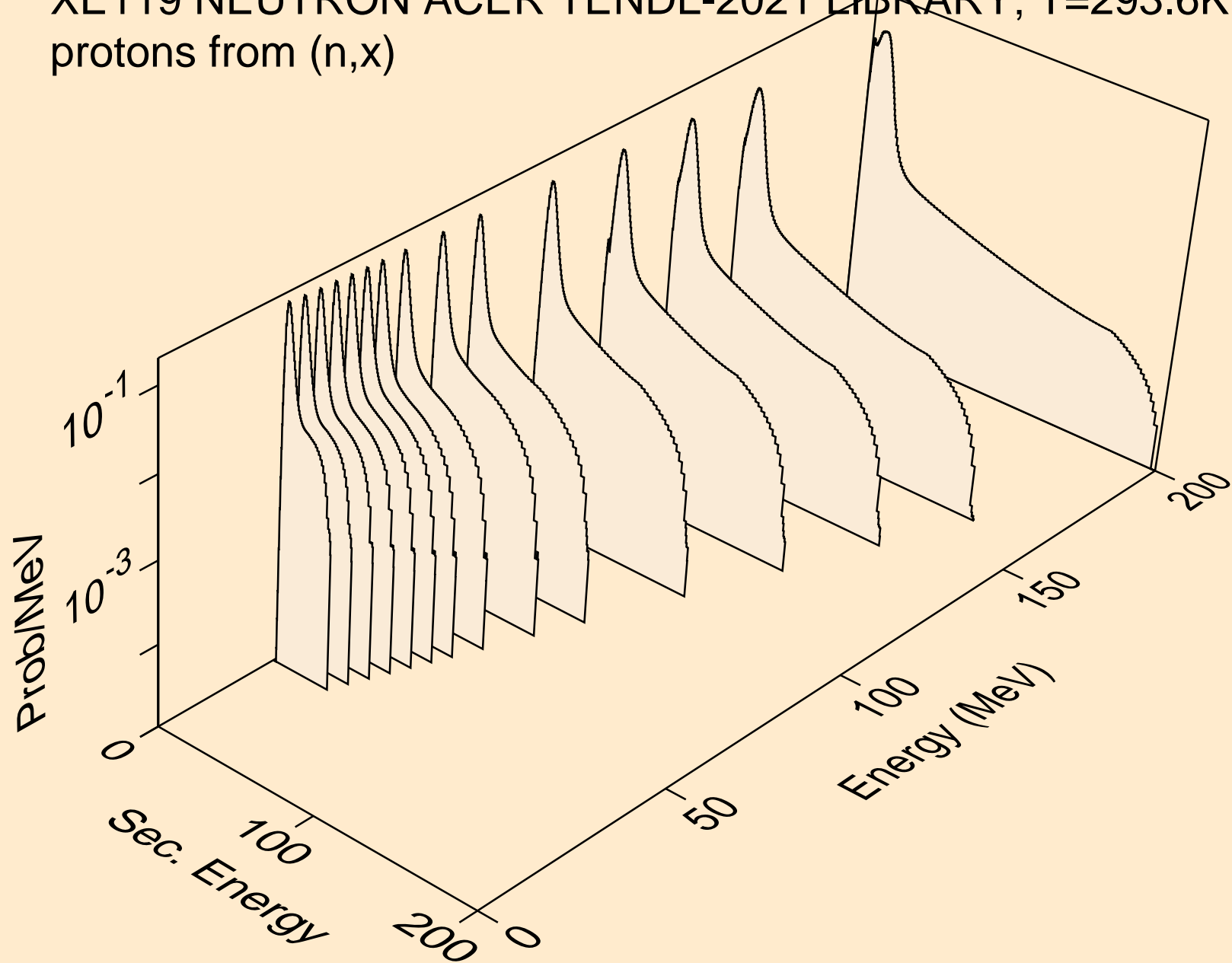
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Recoil Heating



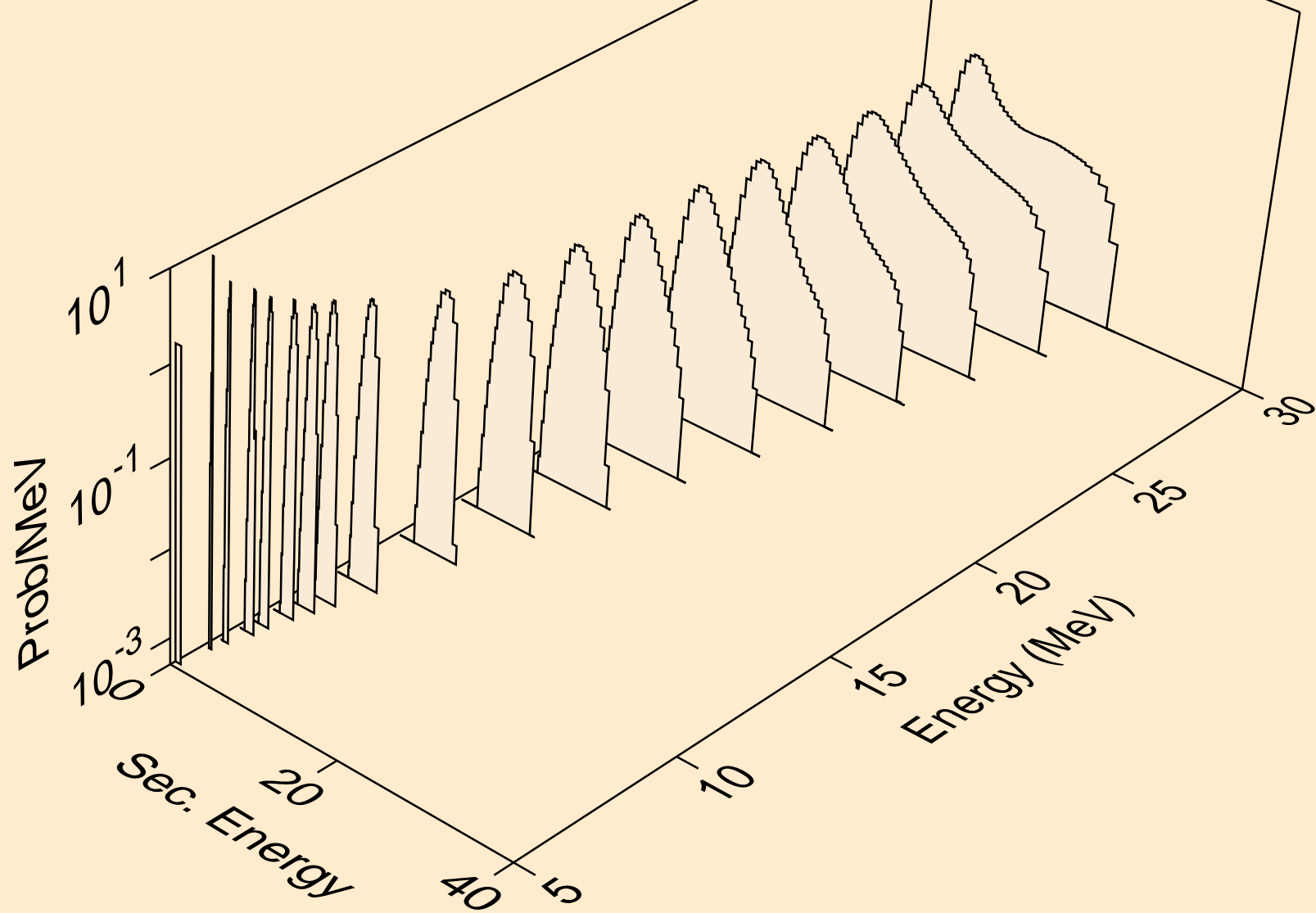
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle production cross sections



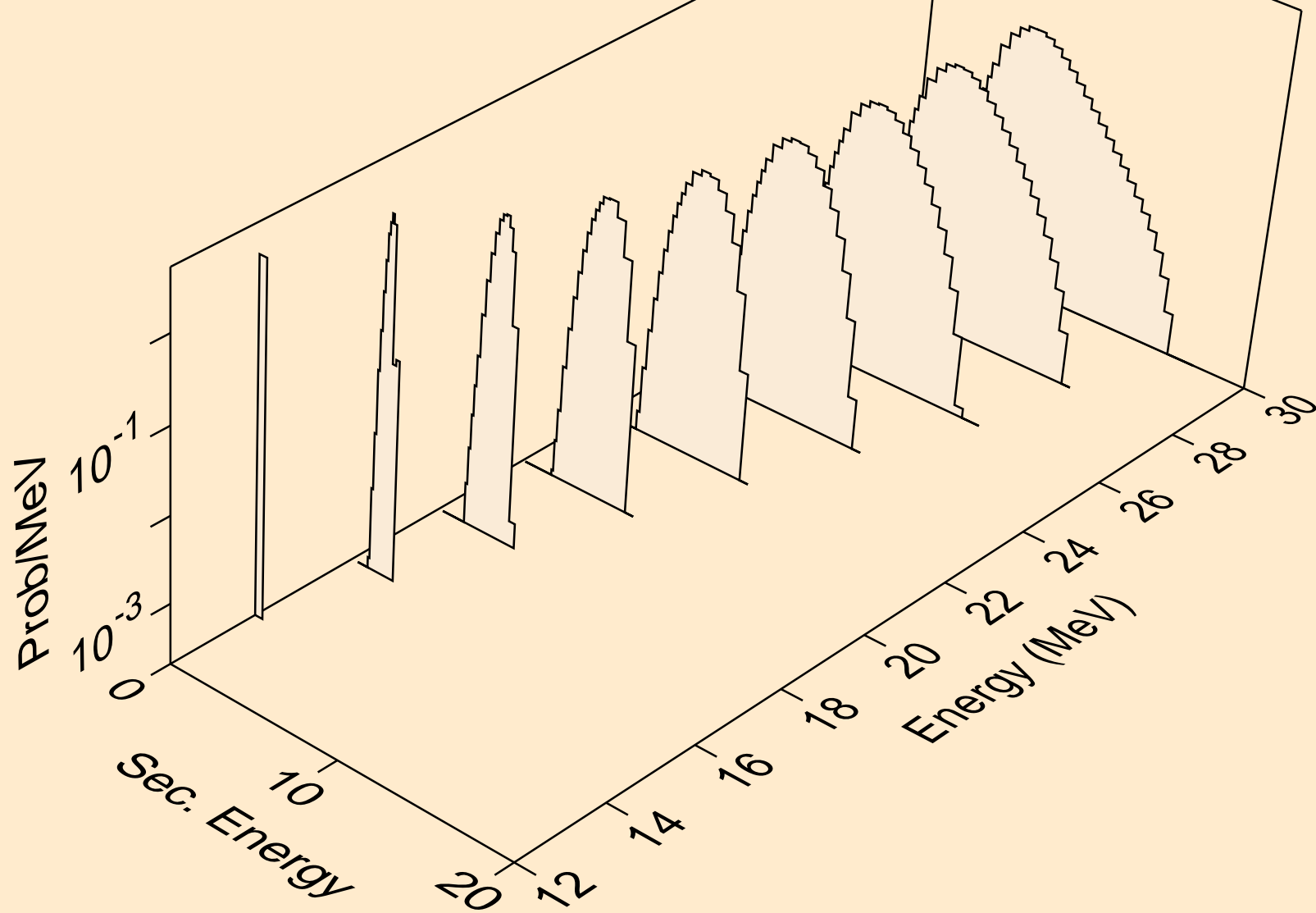
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)



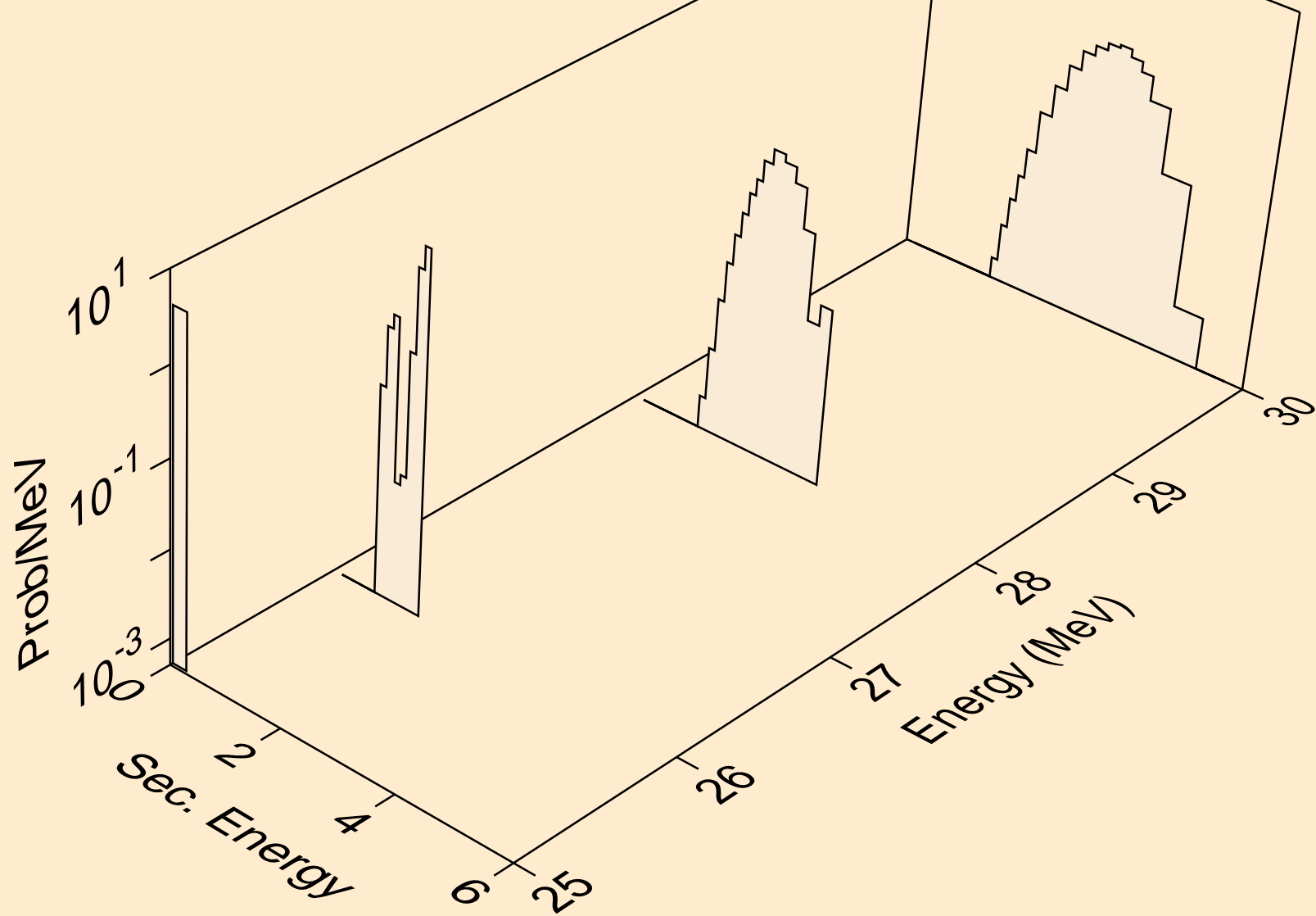
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p



XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)

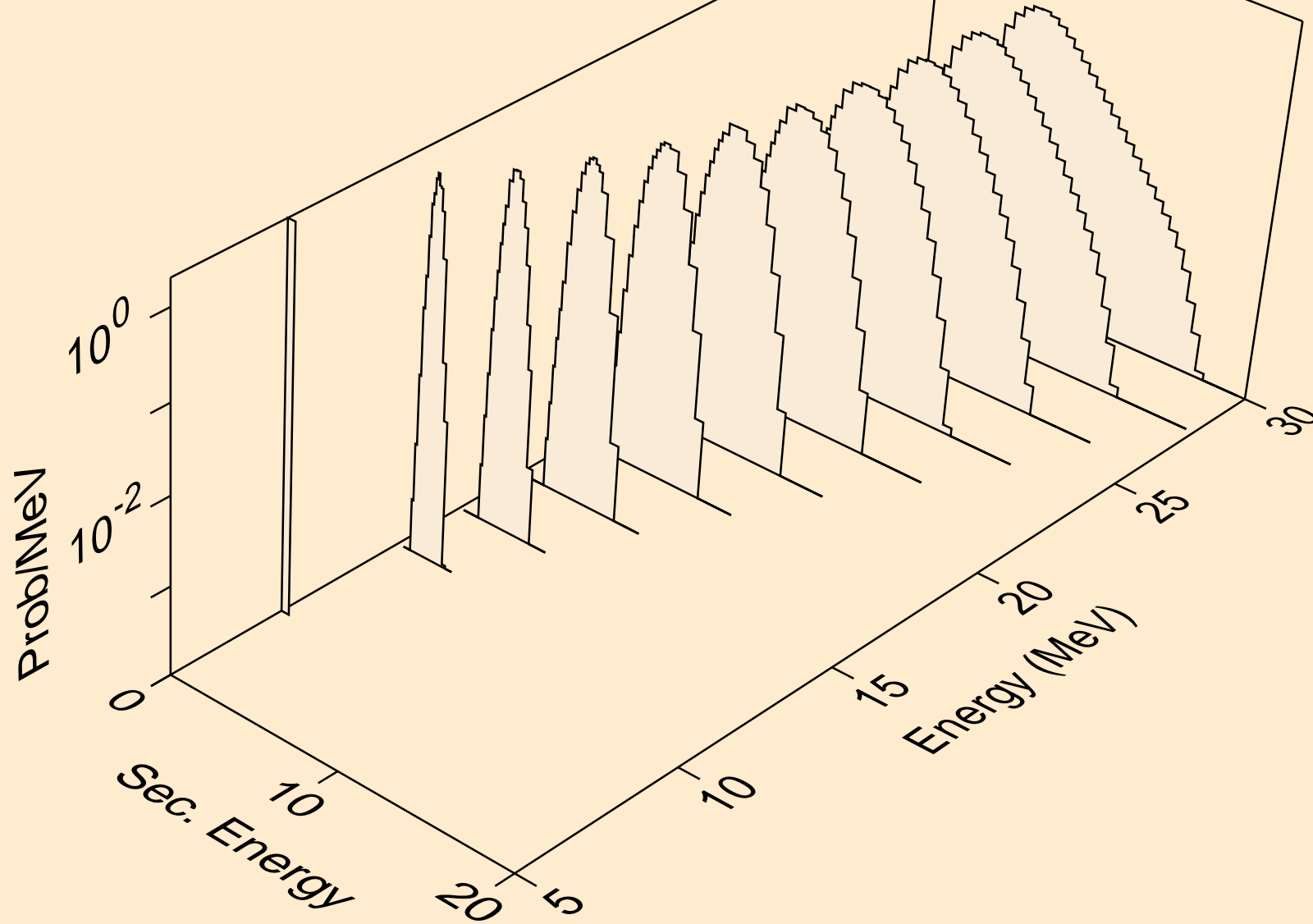


XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,3np)

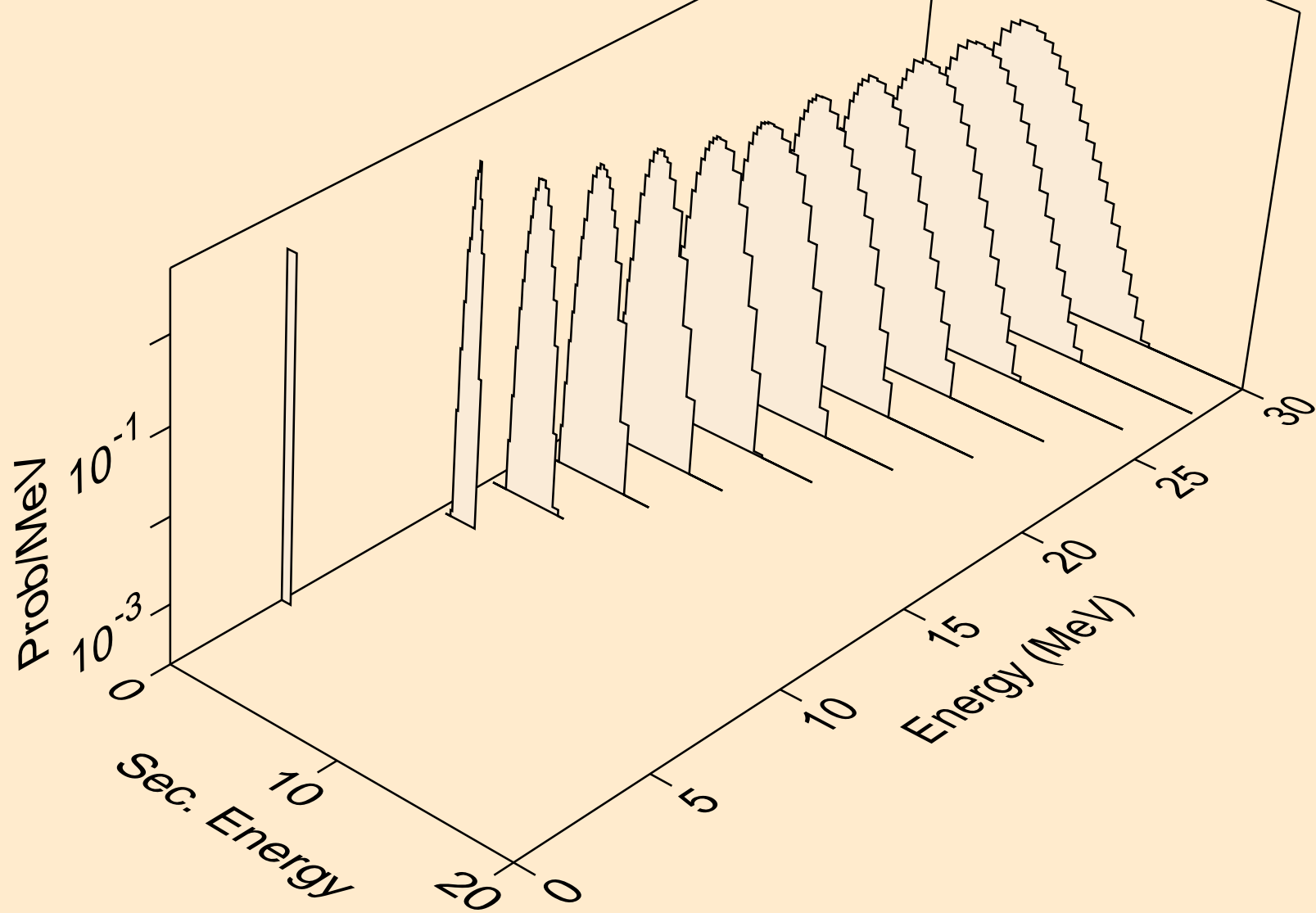




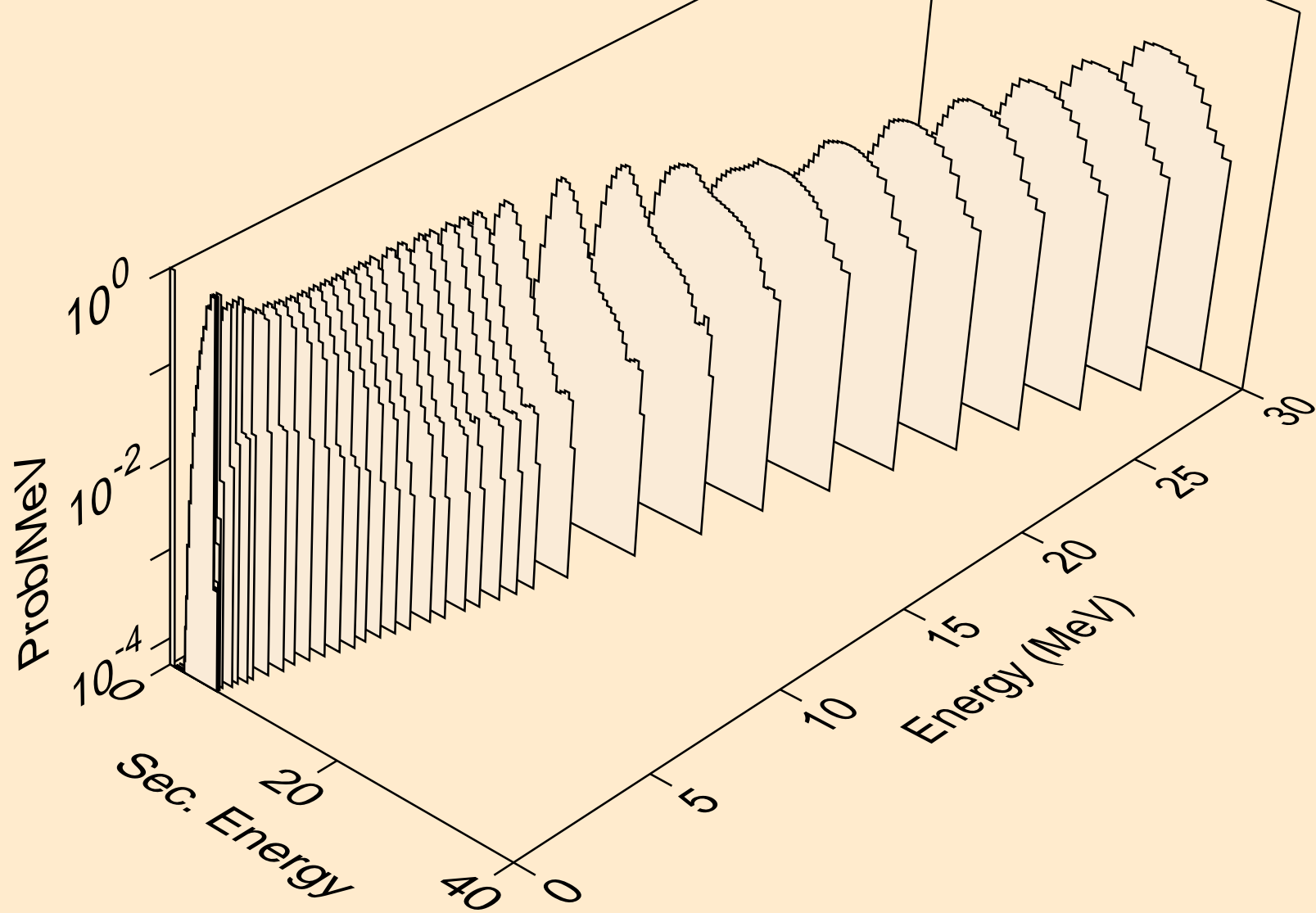
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)



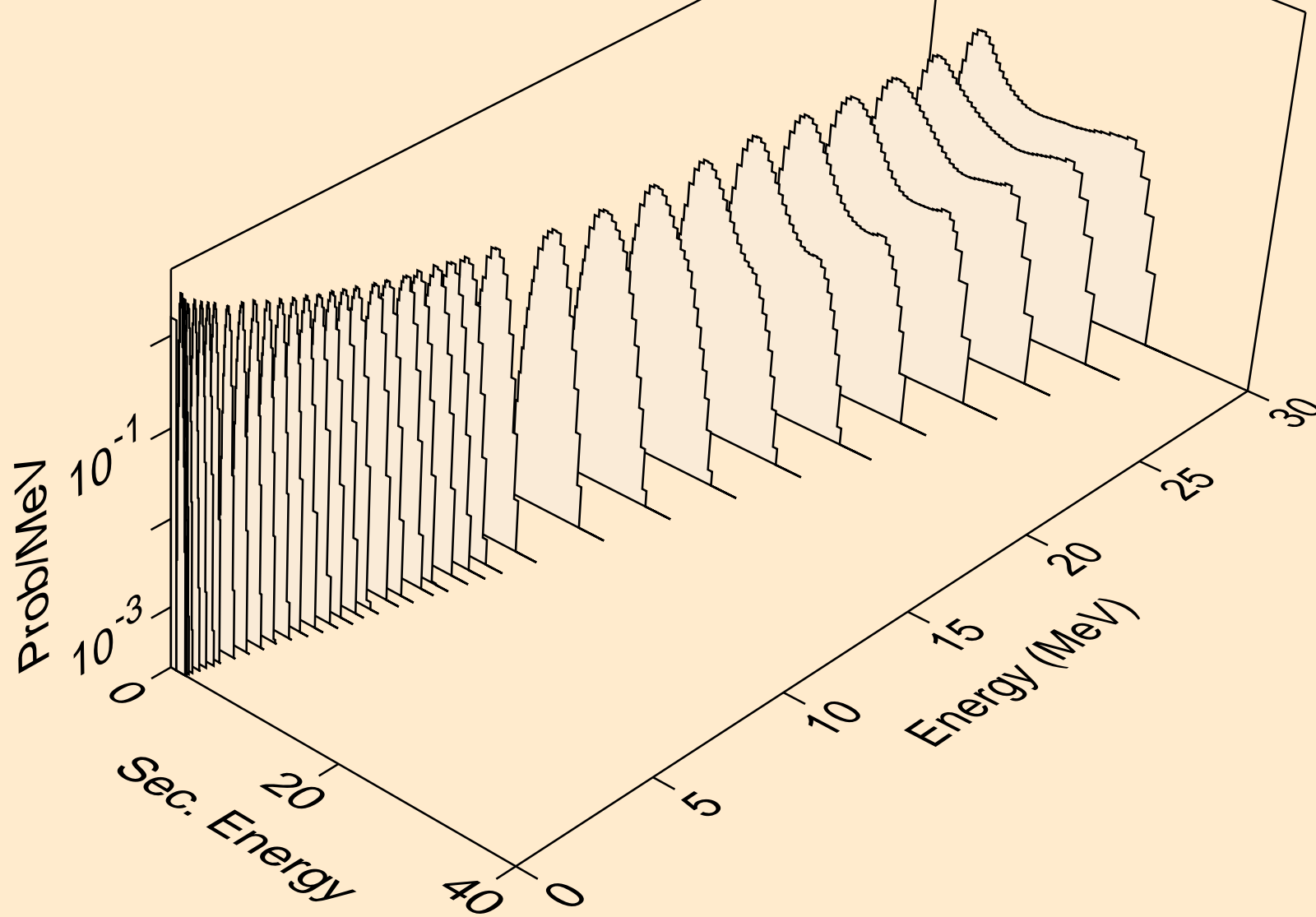
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,npa)



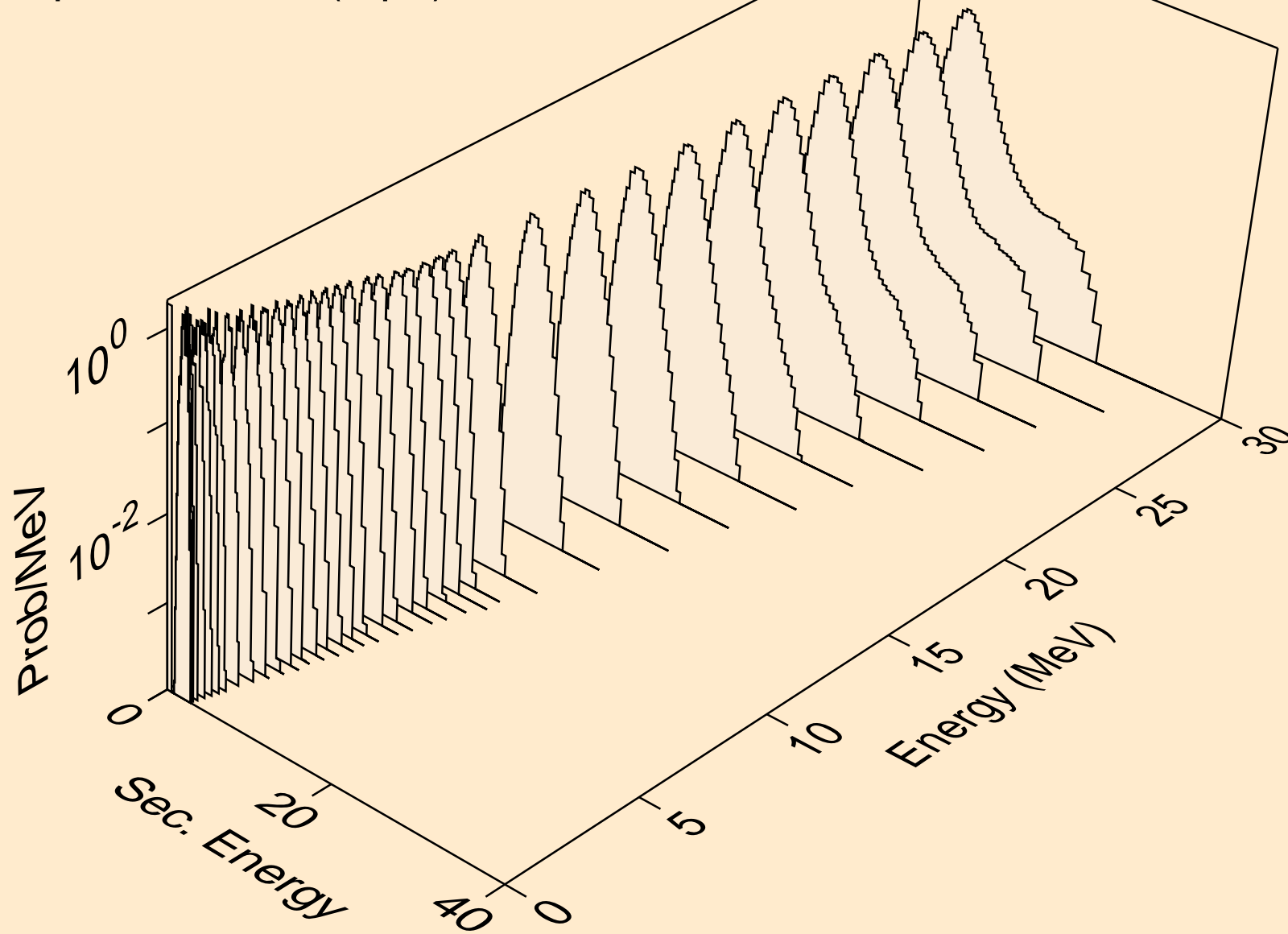
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)



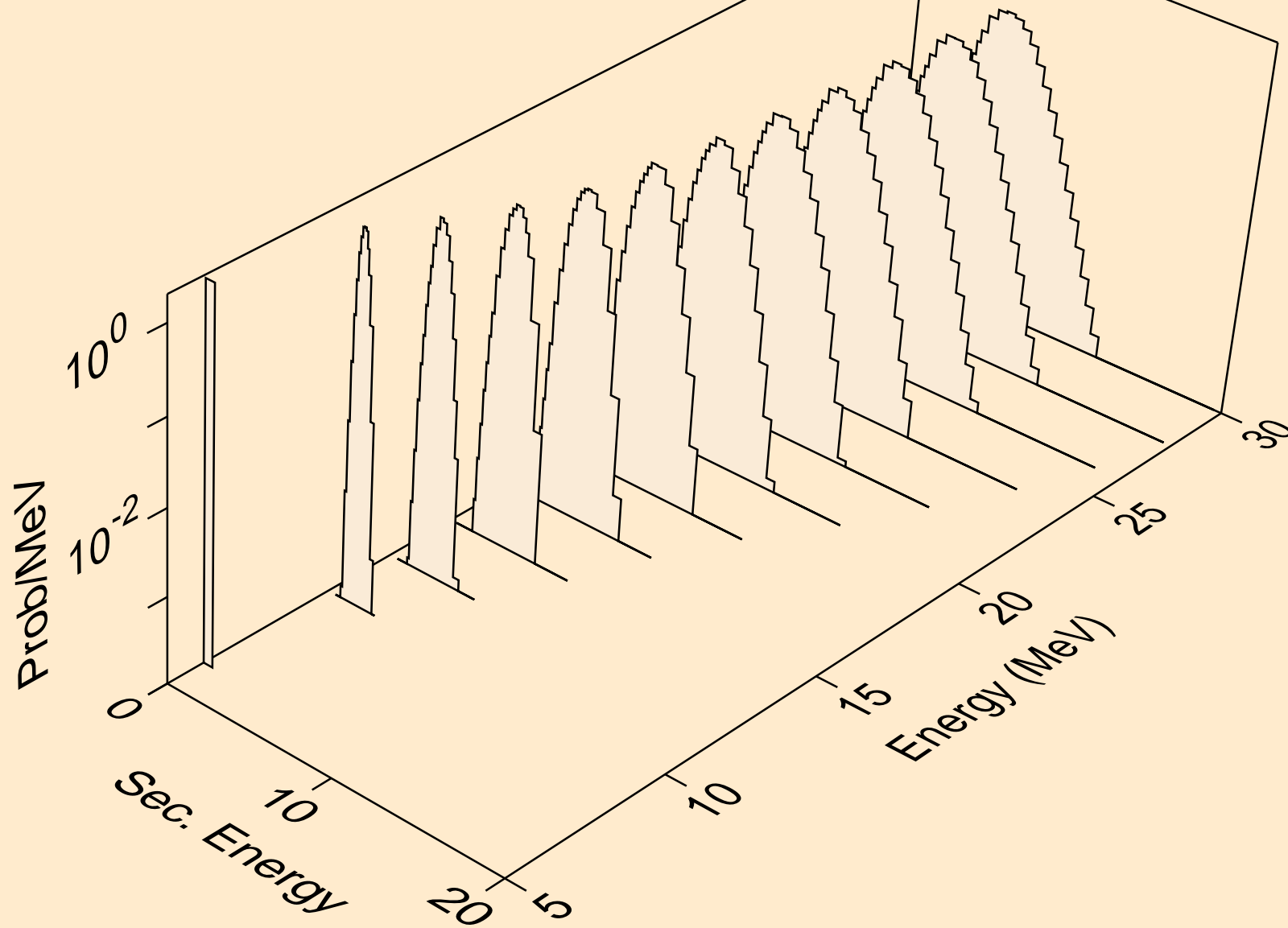
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2p)



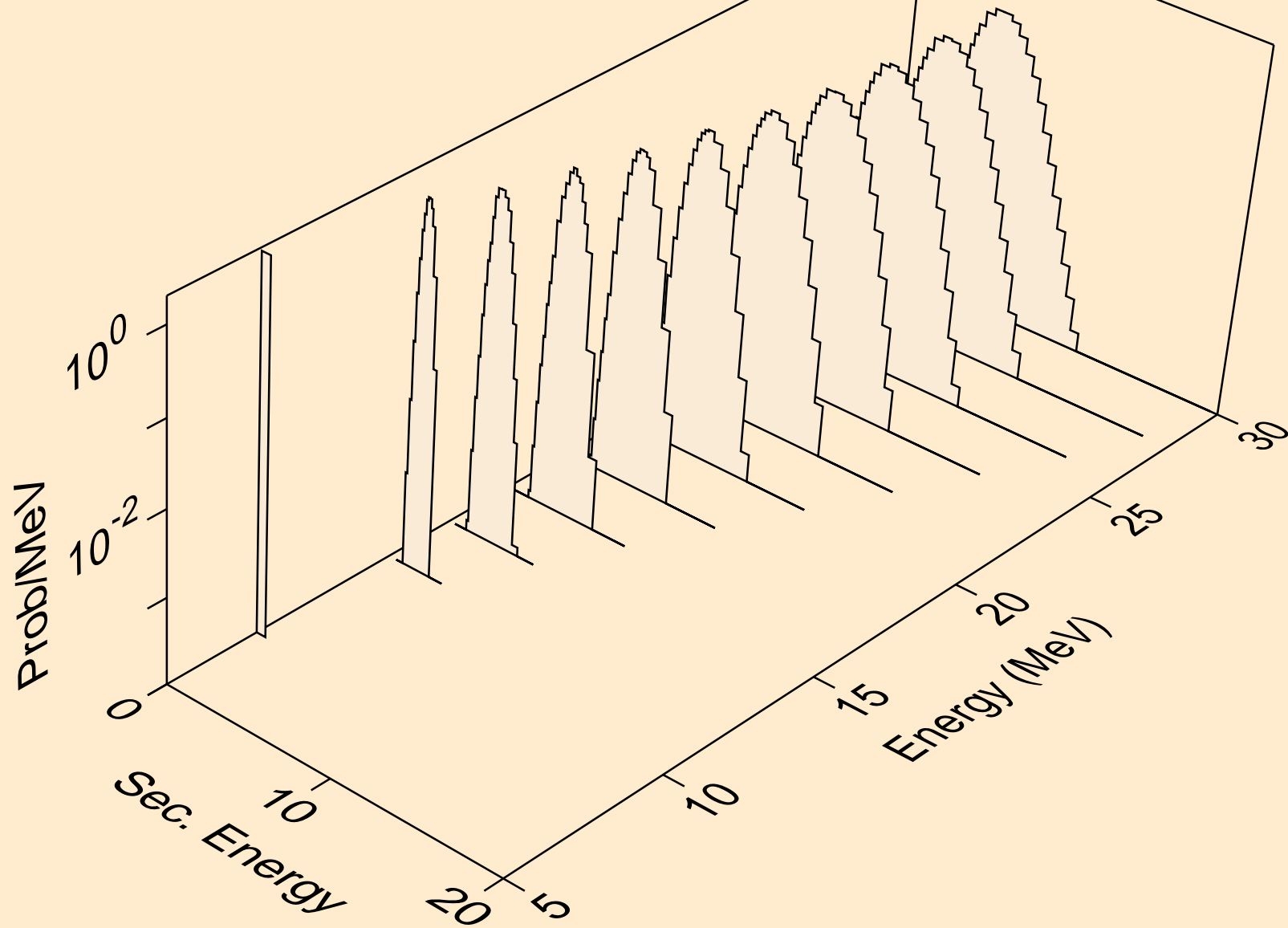
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)



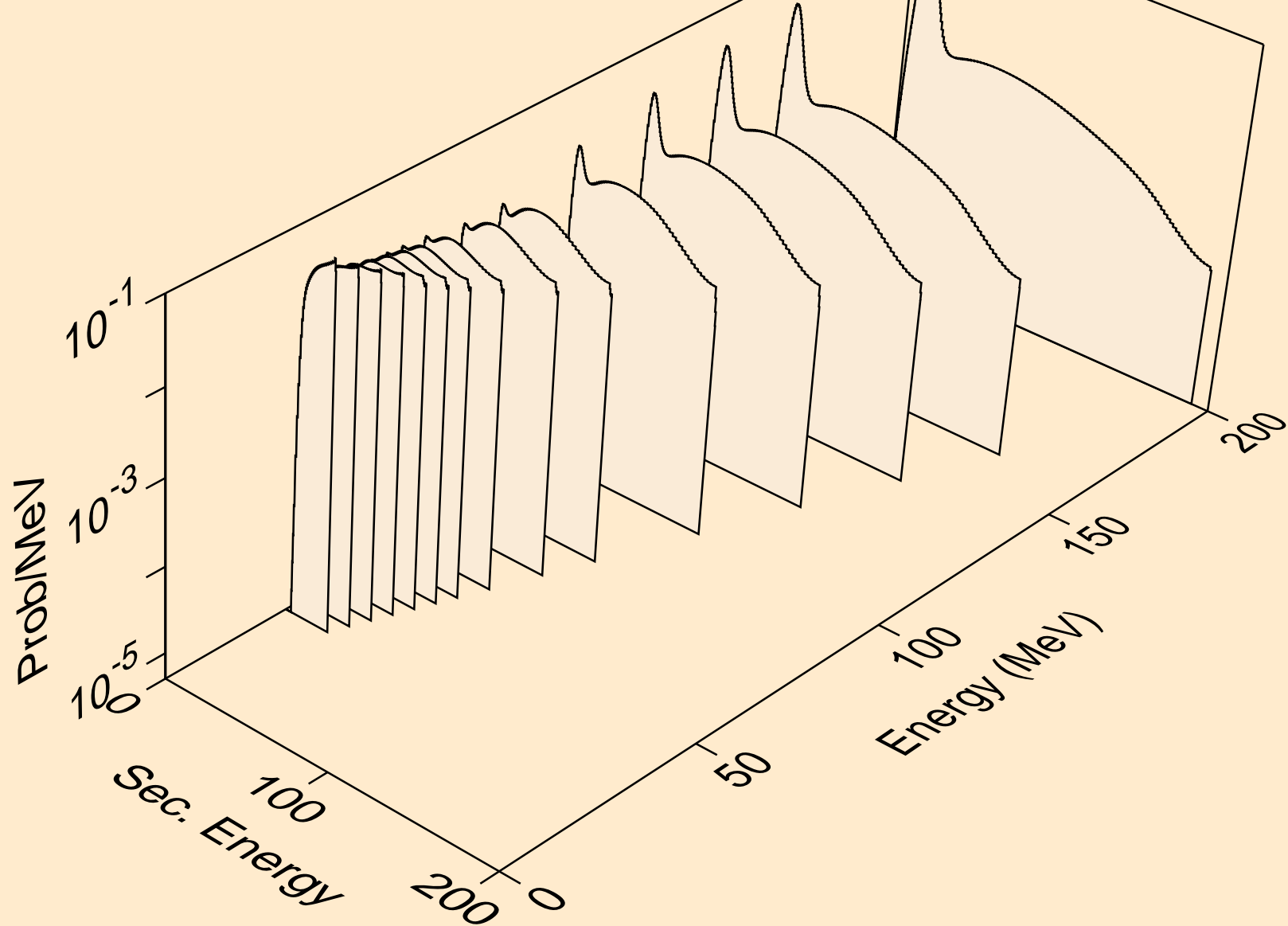
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pd)



XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pt)

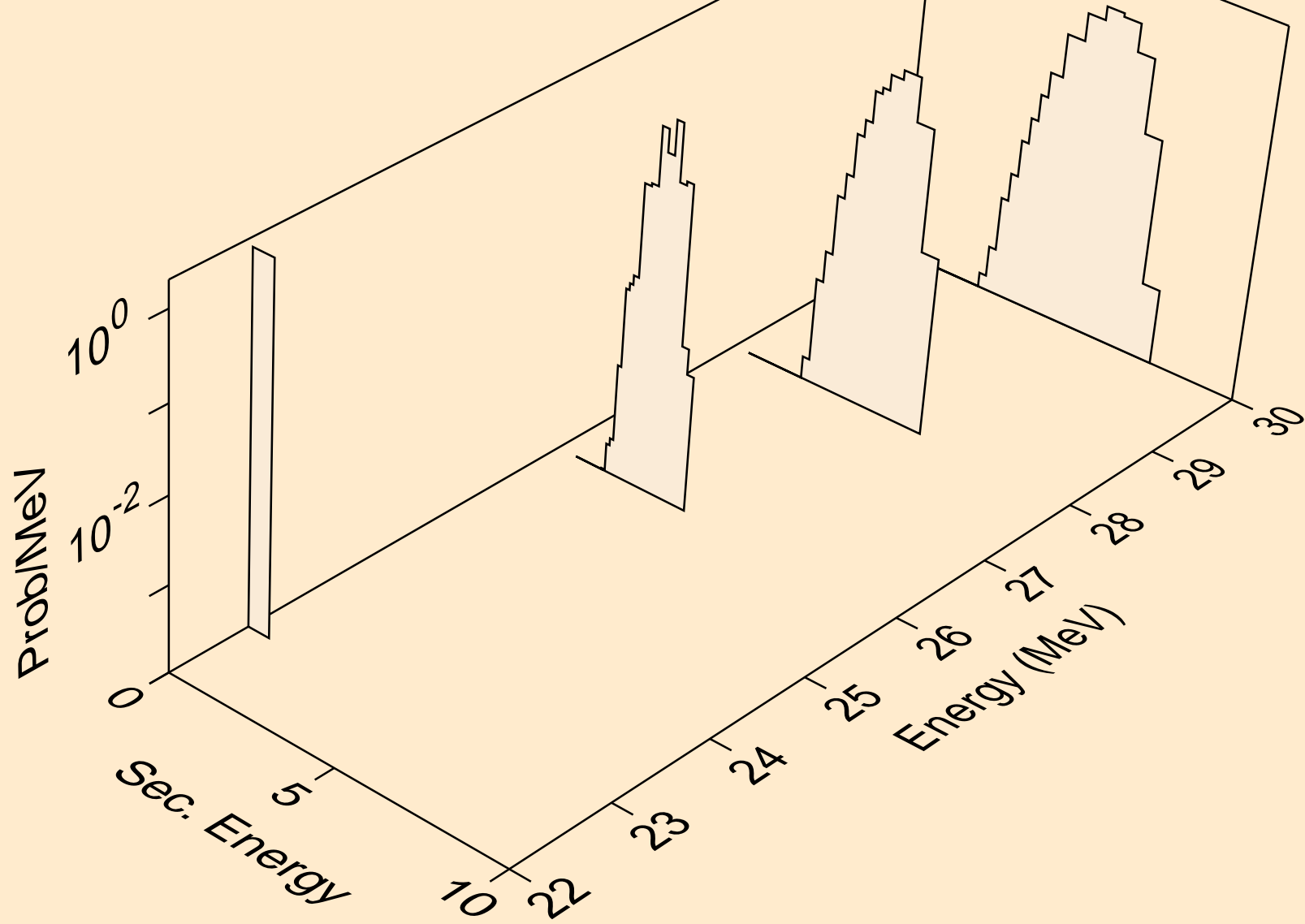


XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,x)

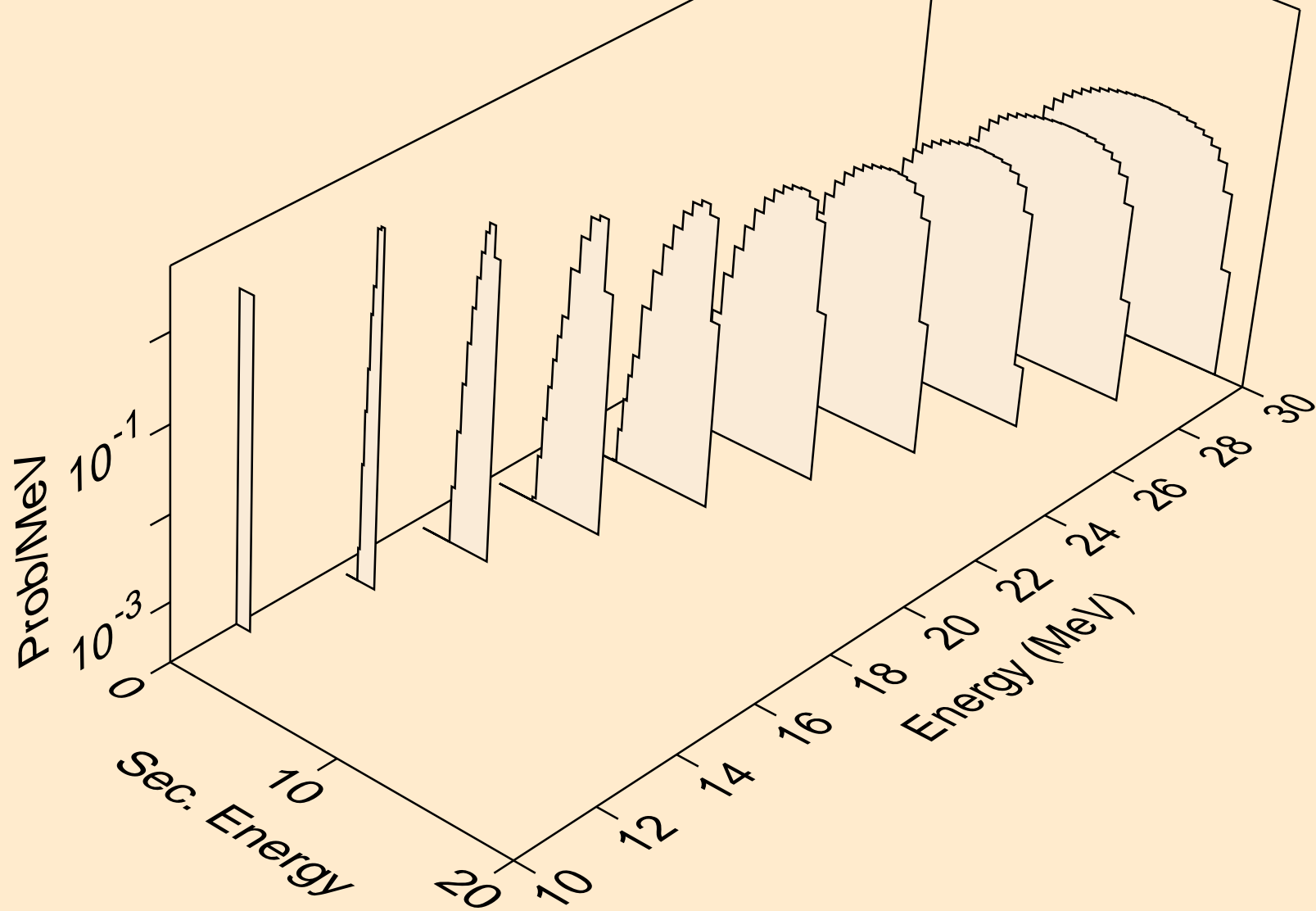




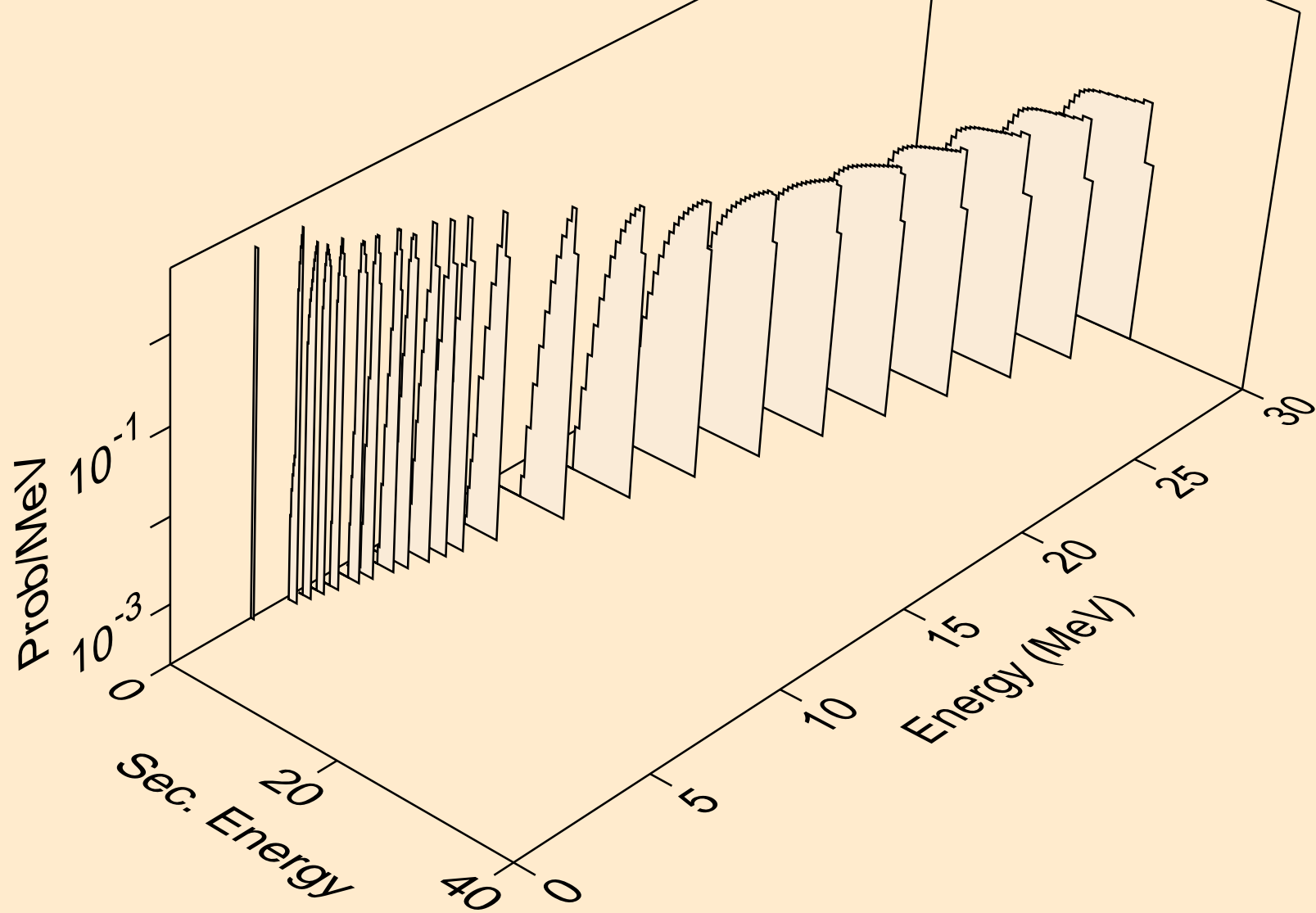
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,2nd)



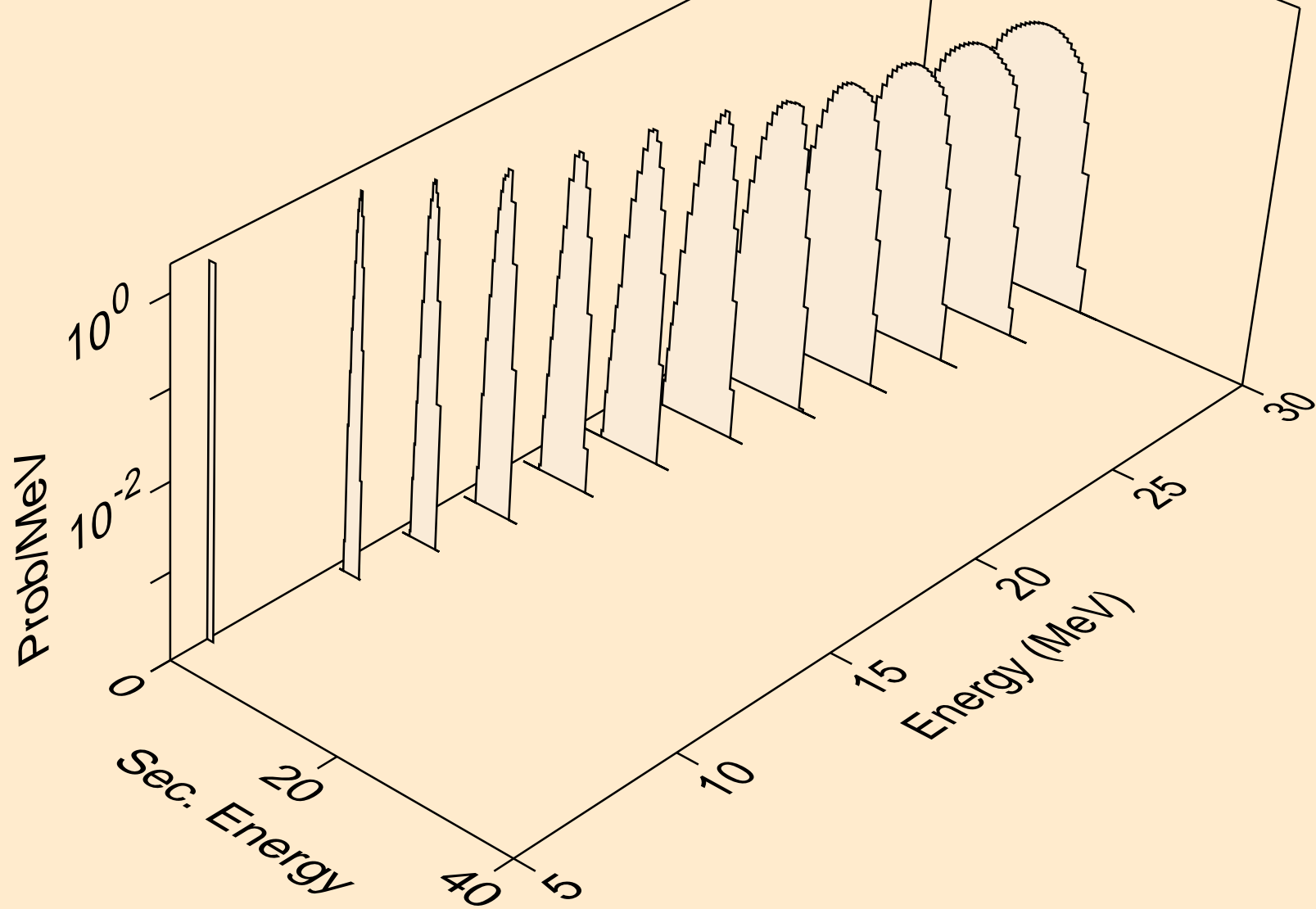
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



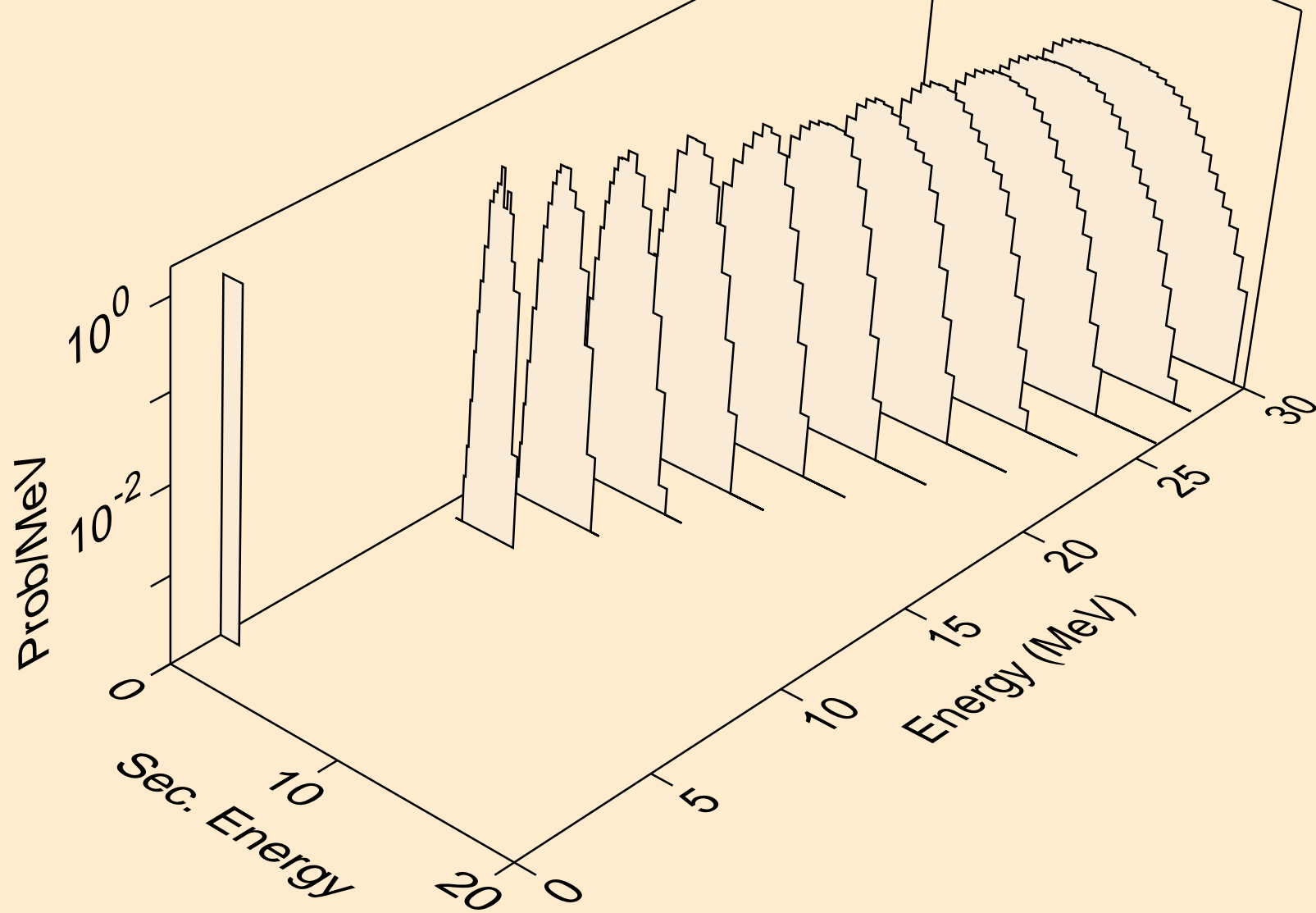
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,d)



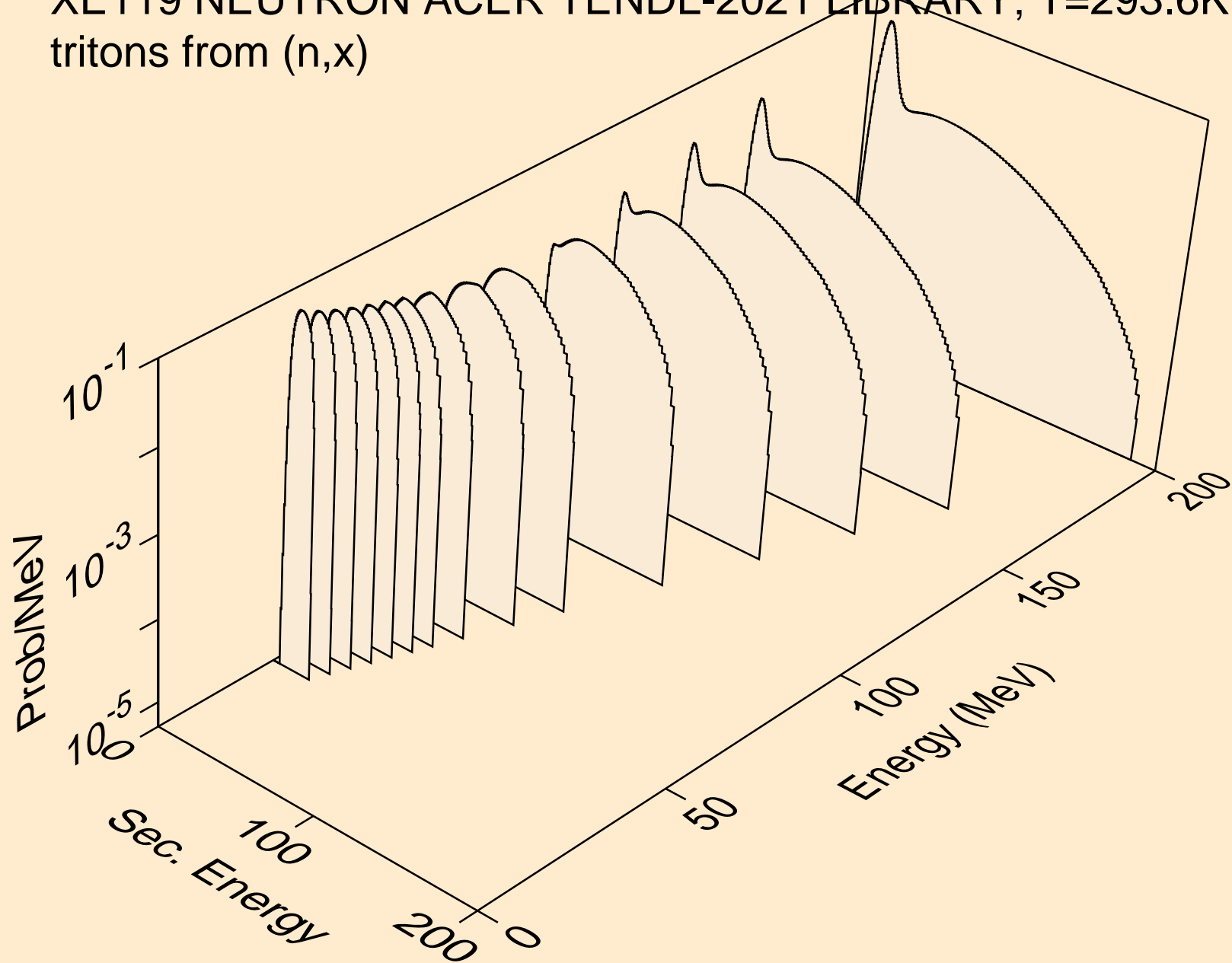
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,pd)



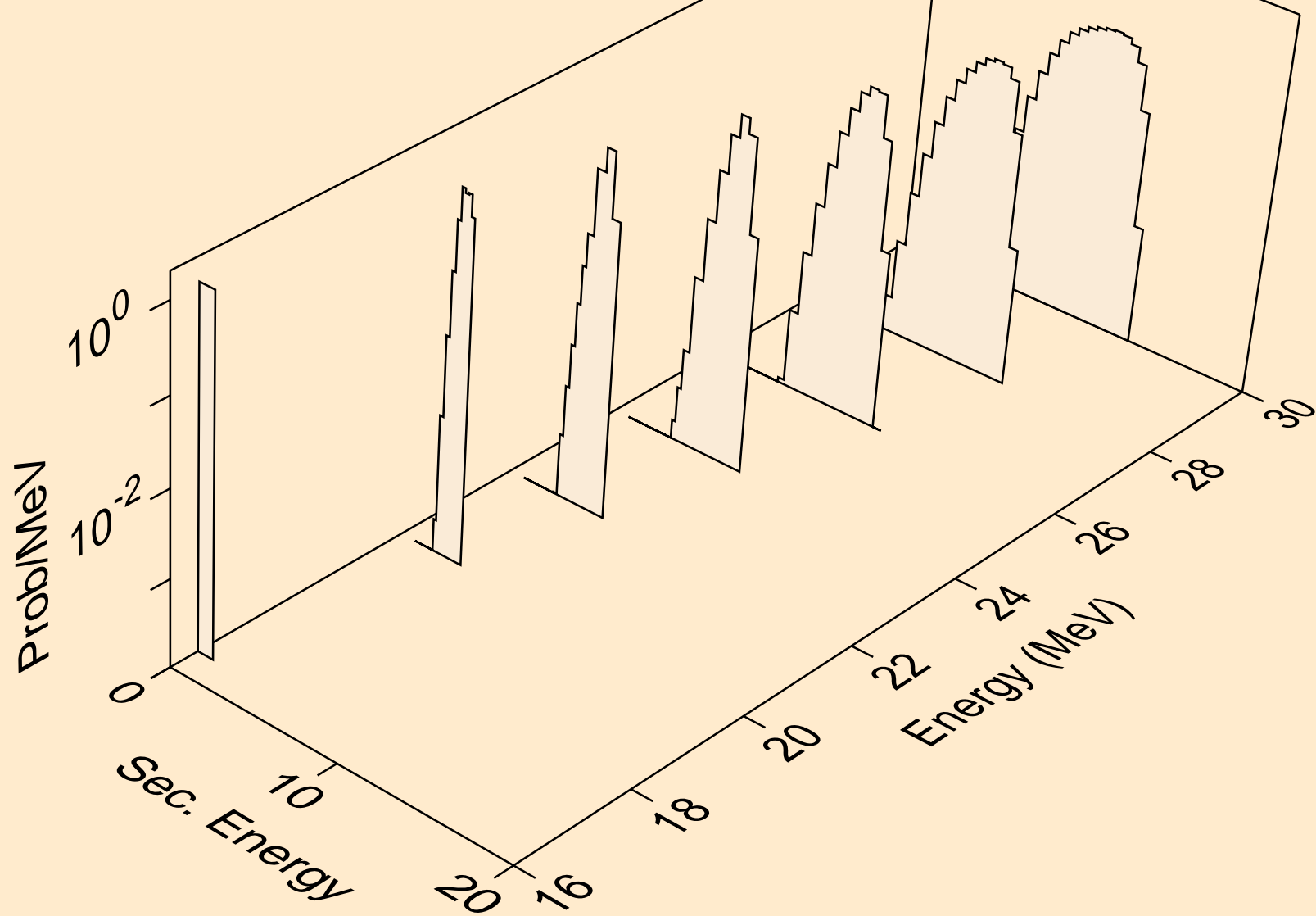
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,da)



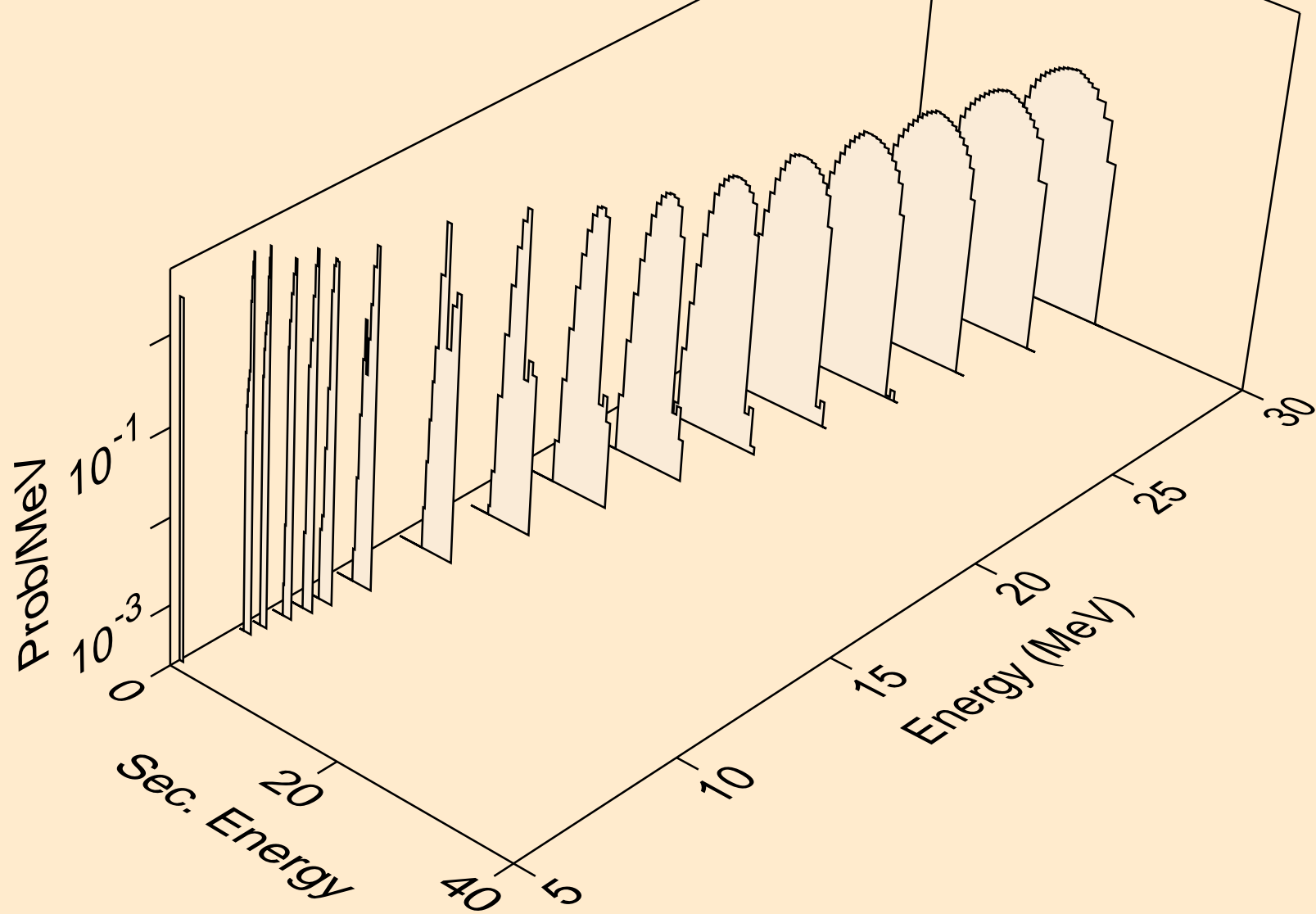
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)



XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t

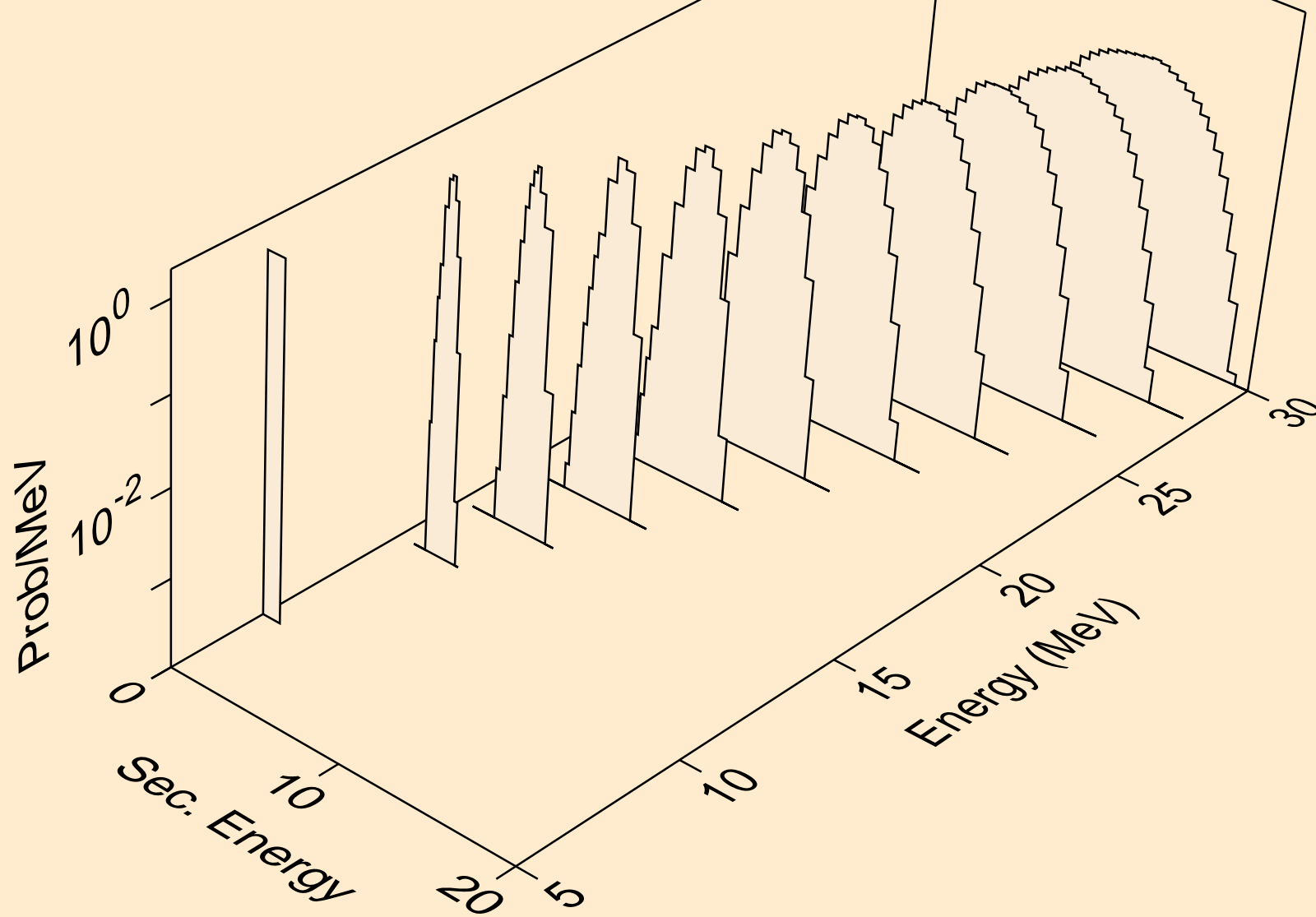


XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,t)

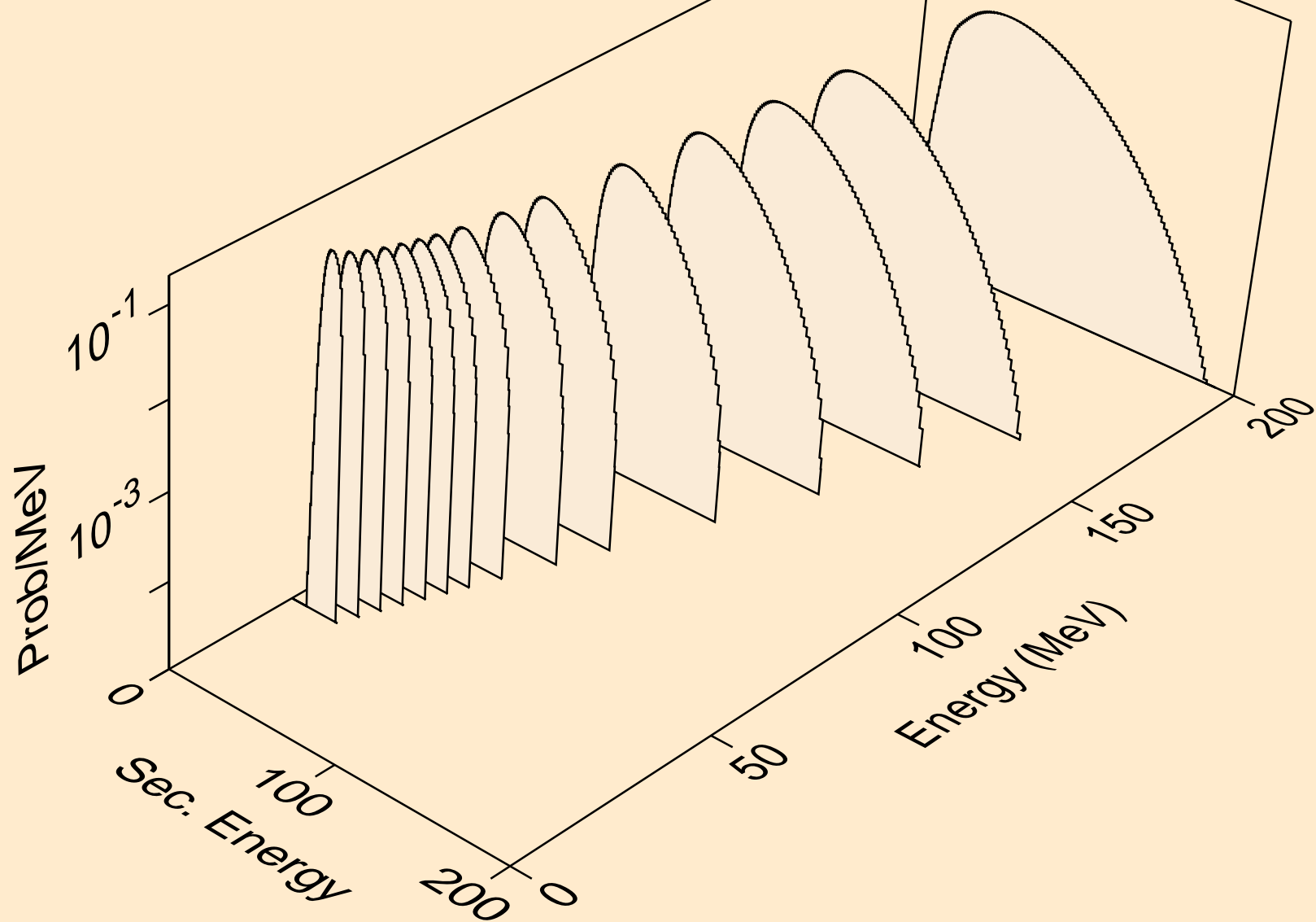




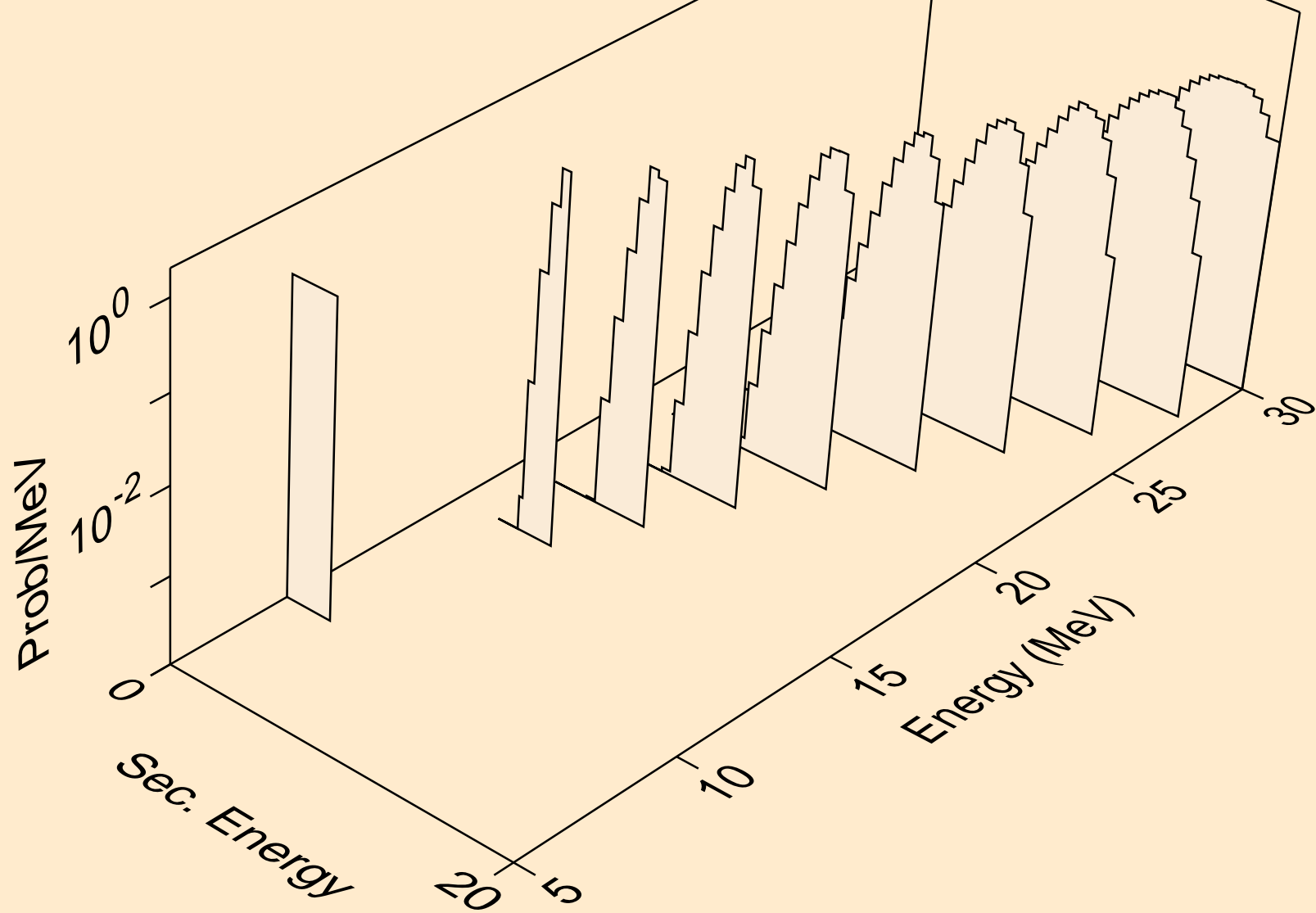
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,pt)



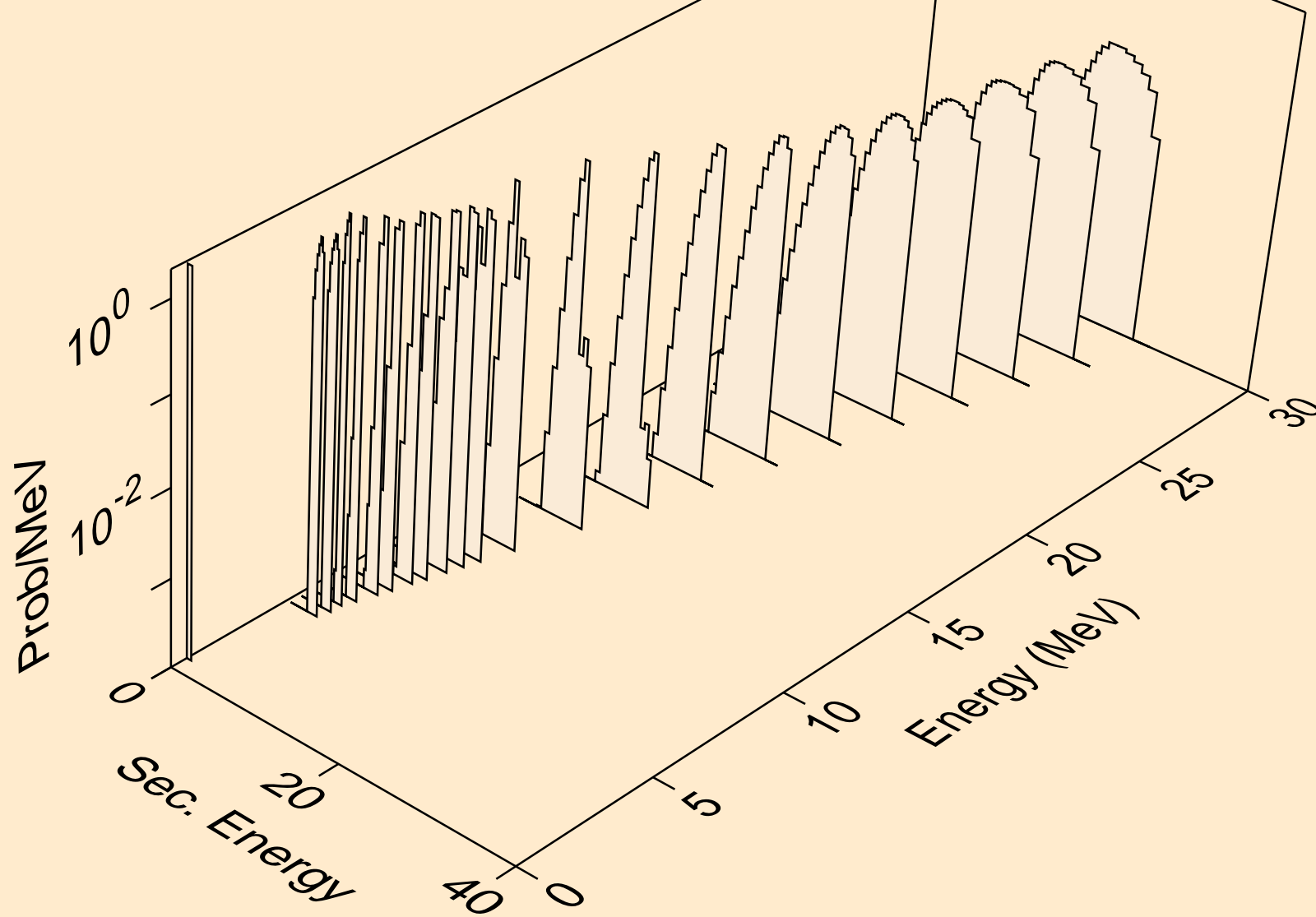
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)



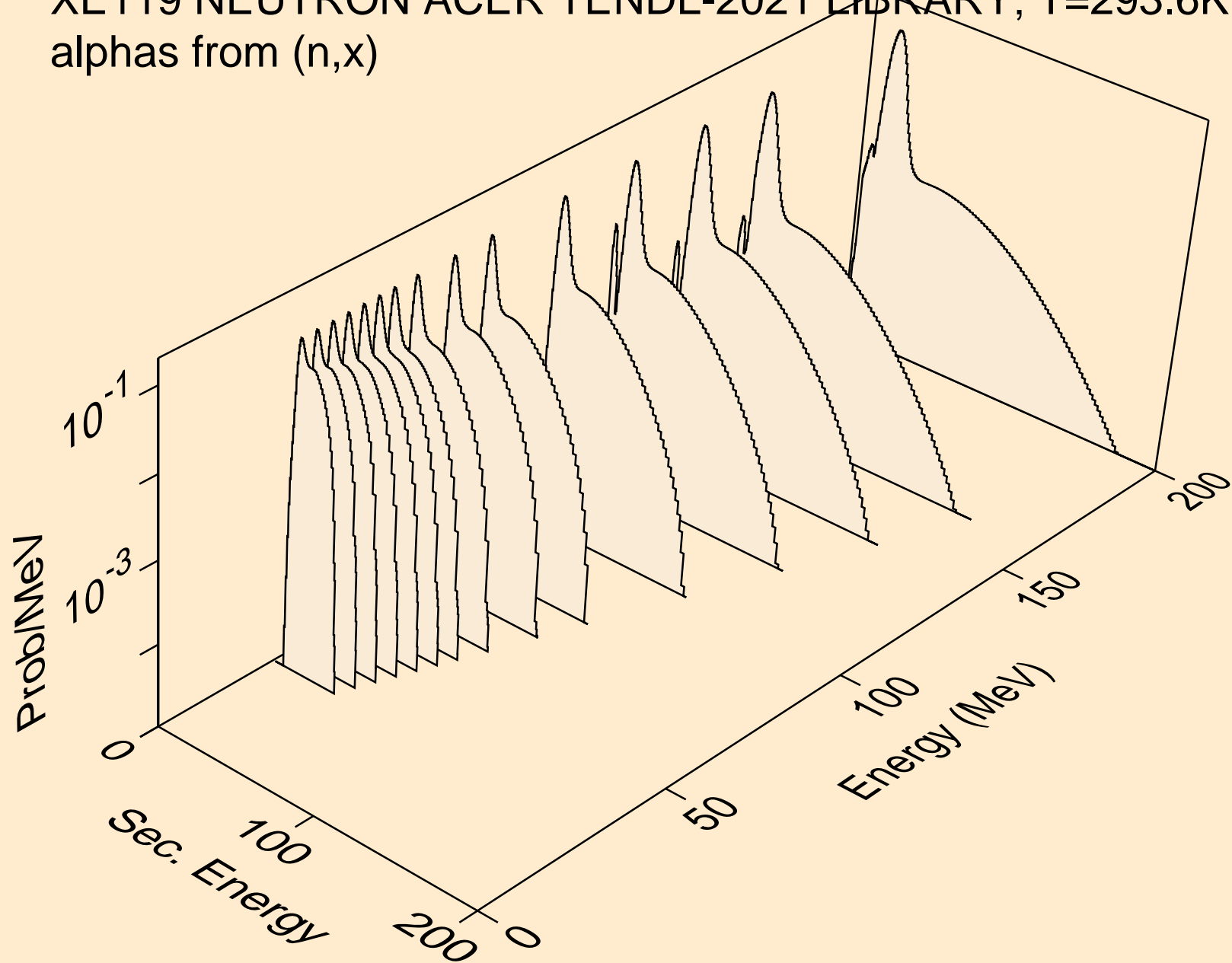
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,n\*)he3



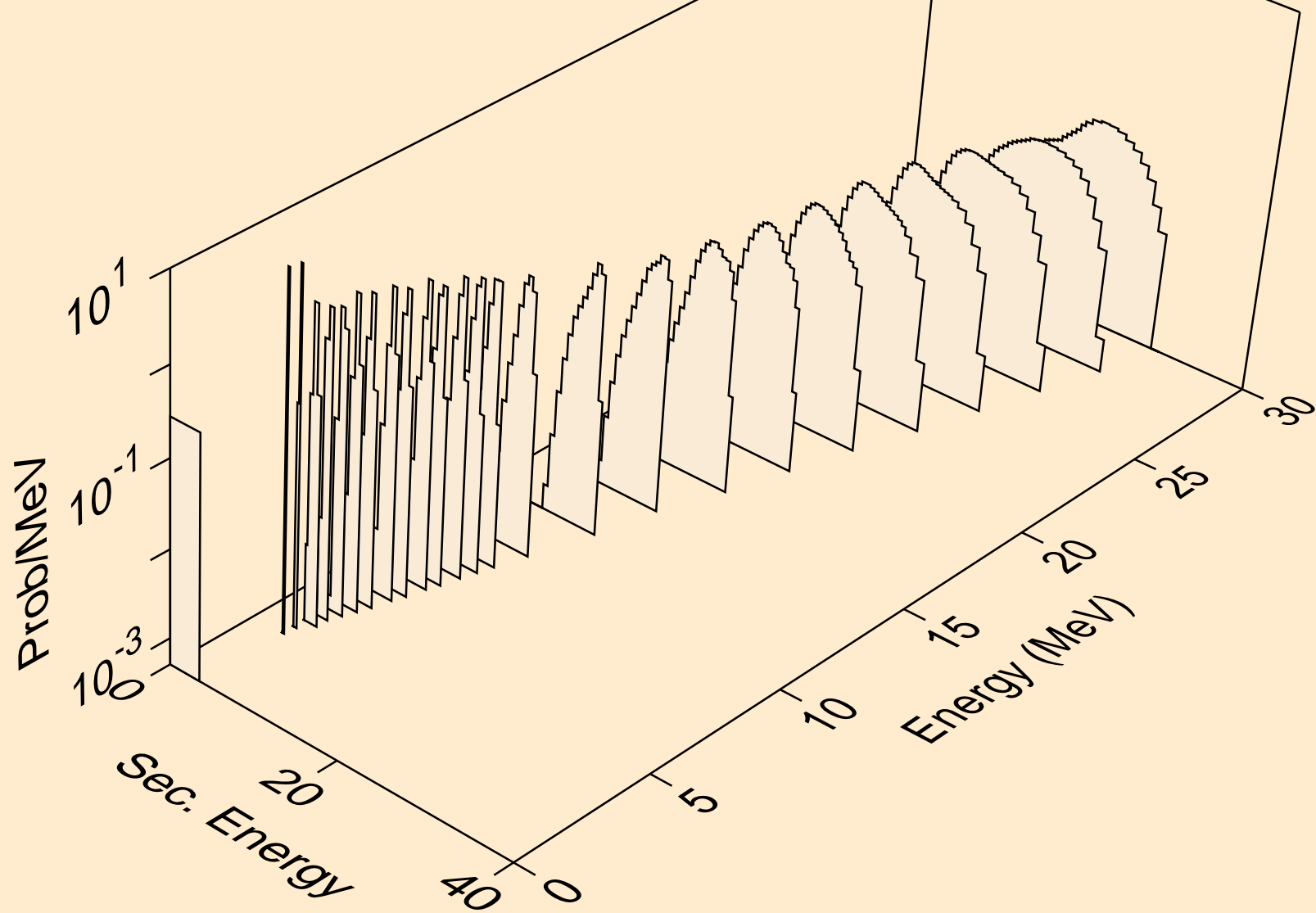
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,he3)



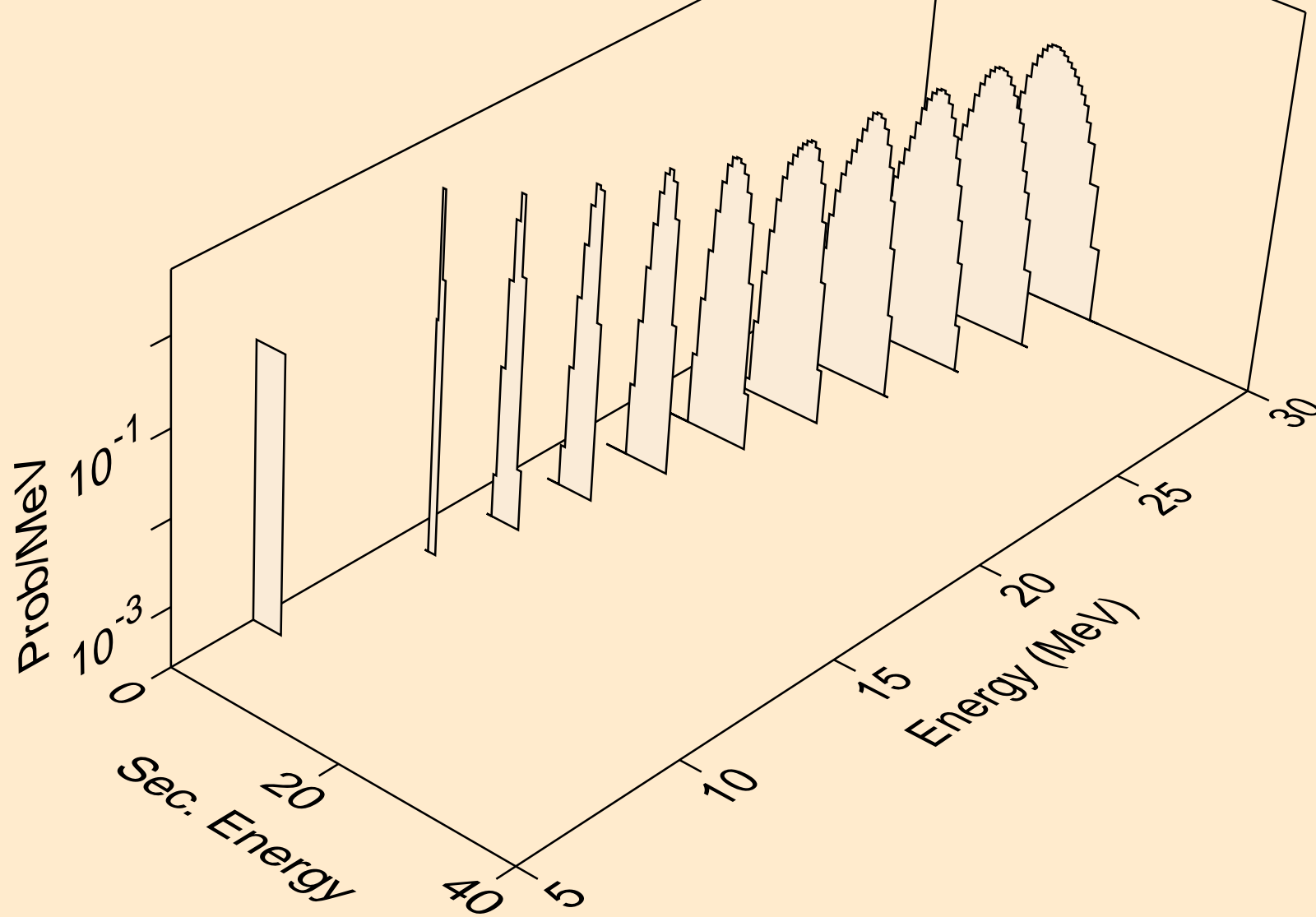
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



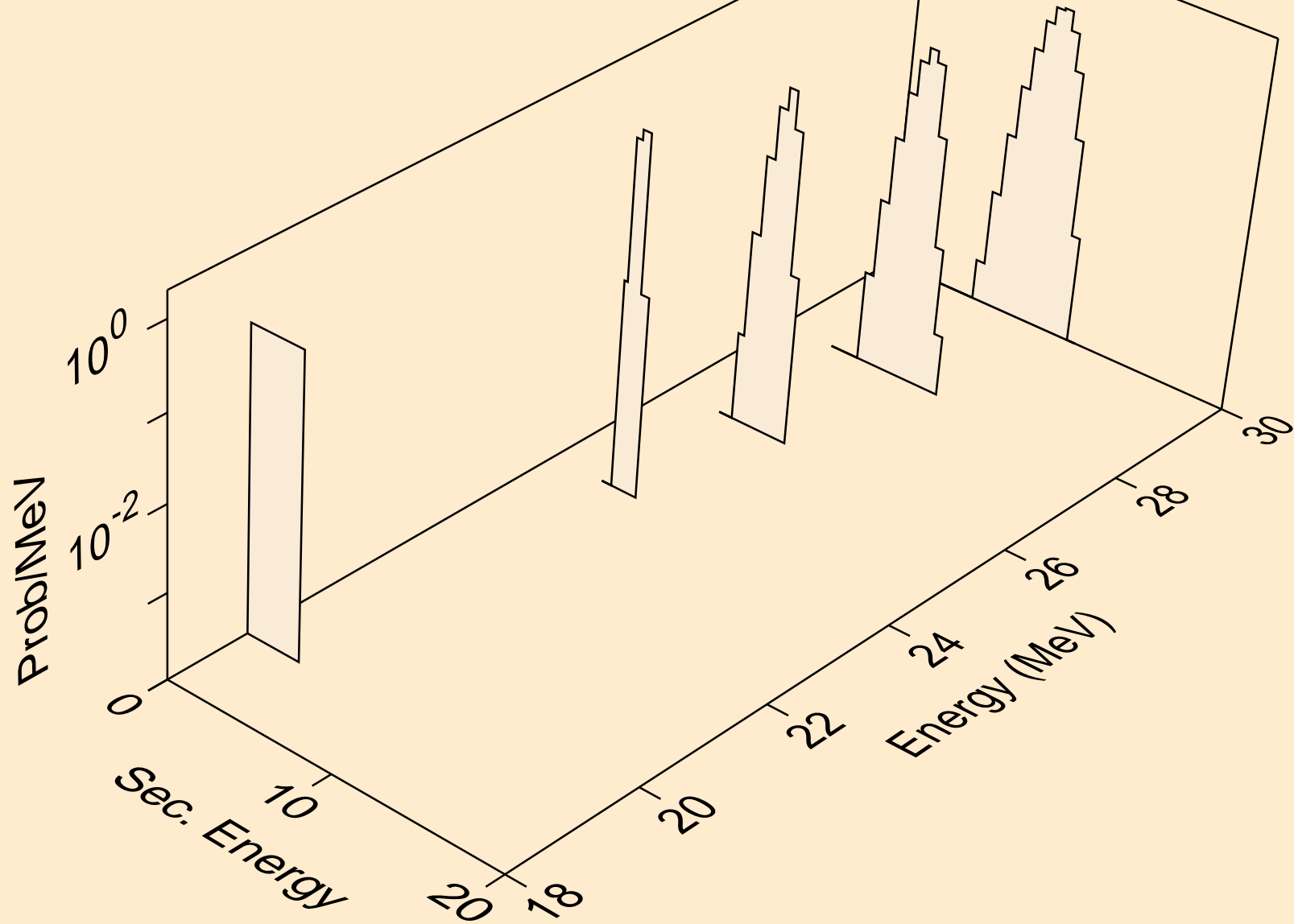
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a

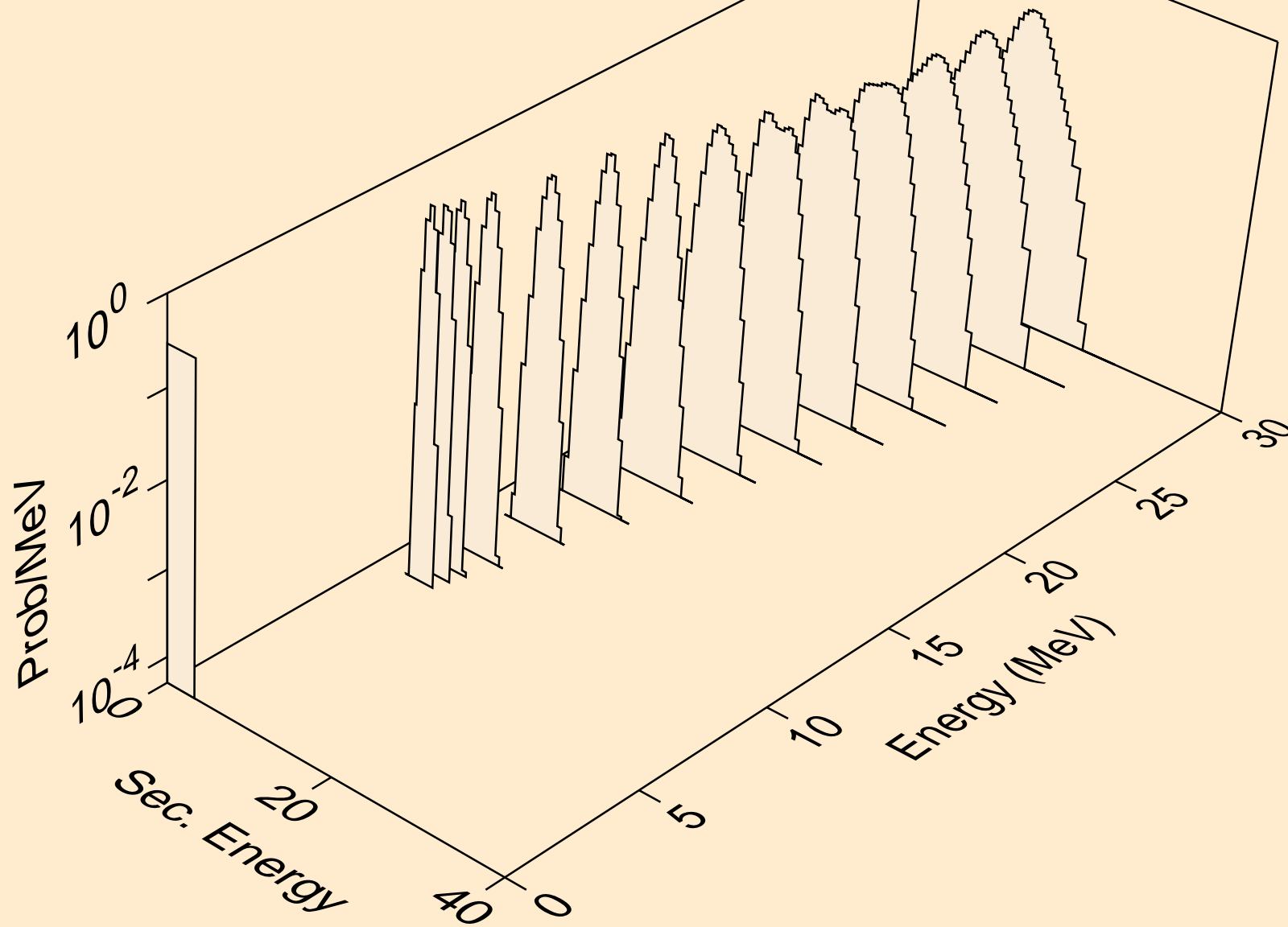


XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3n)a

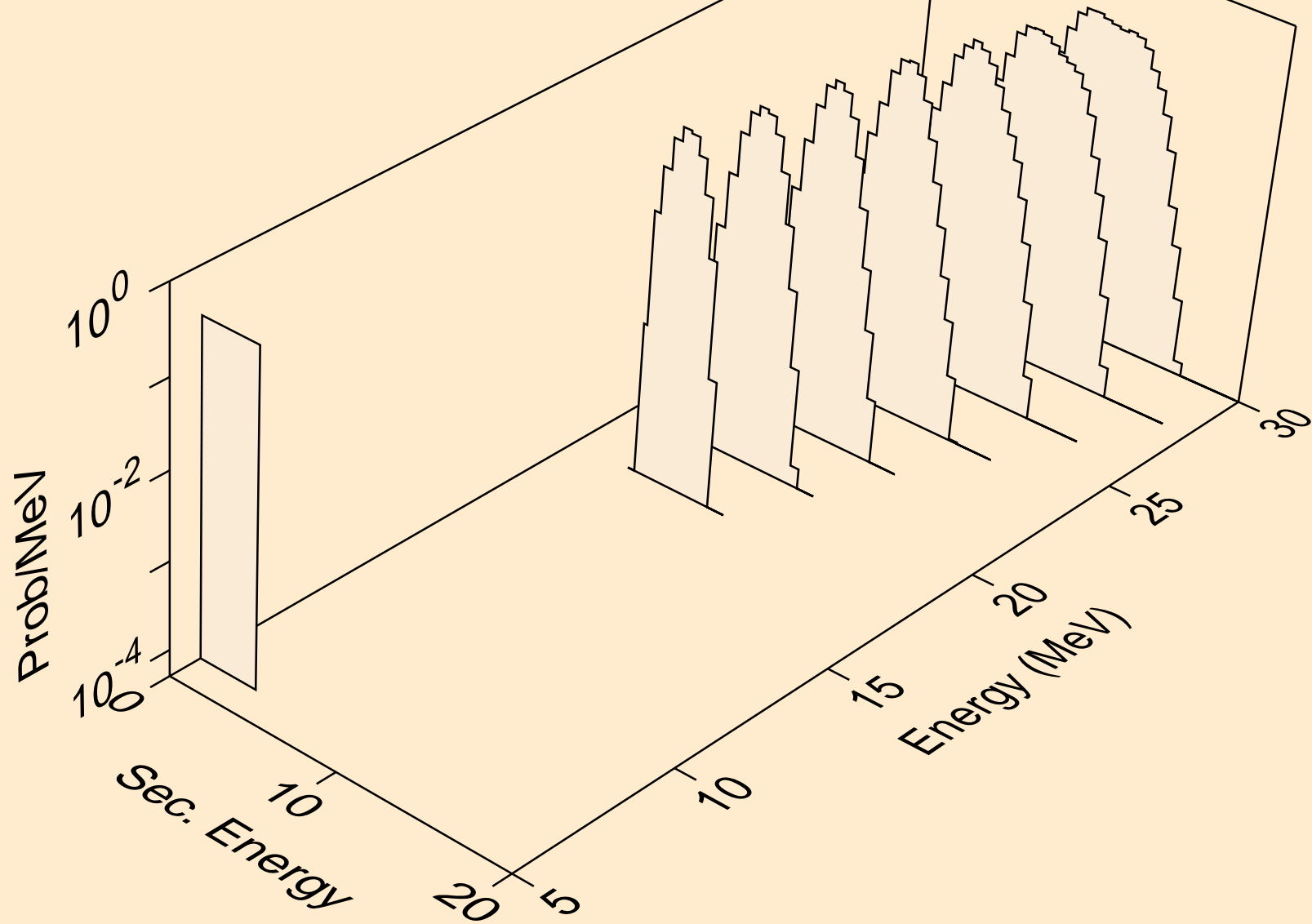




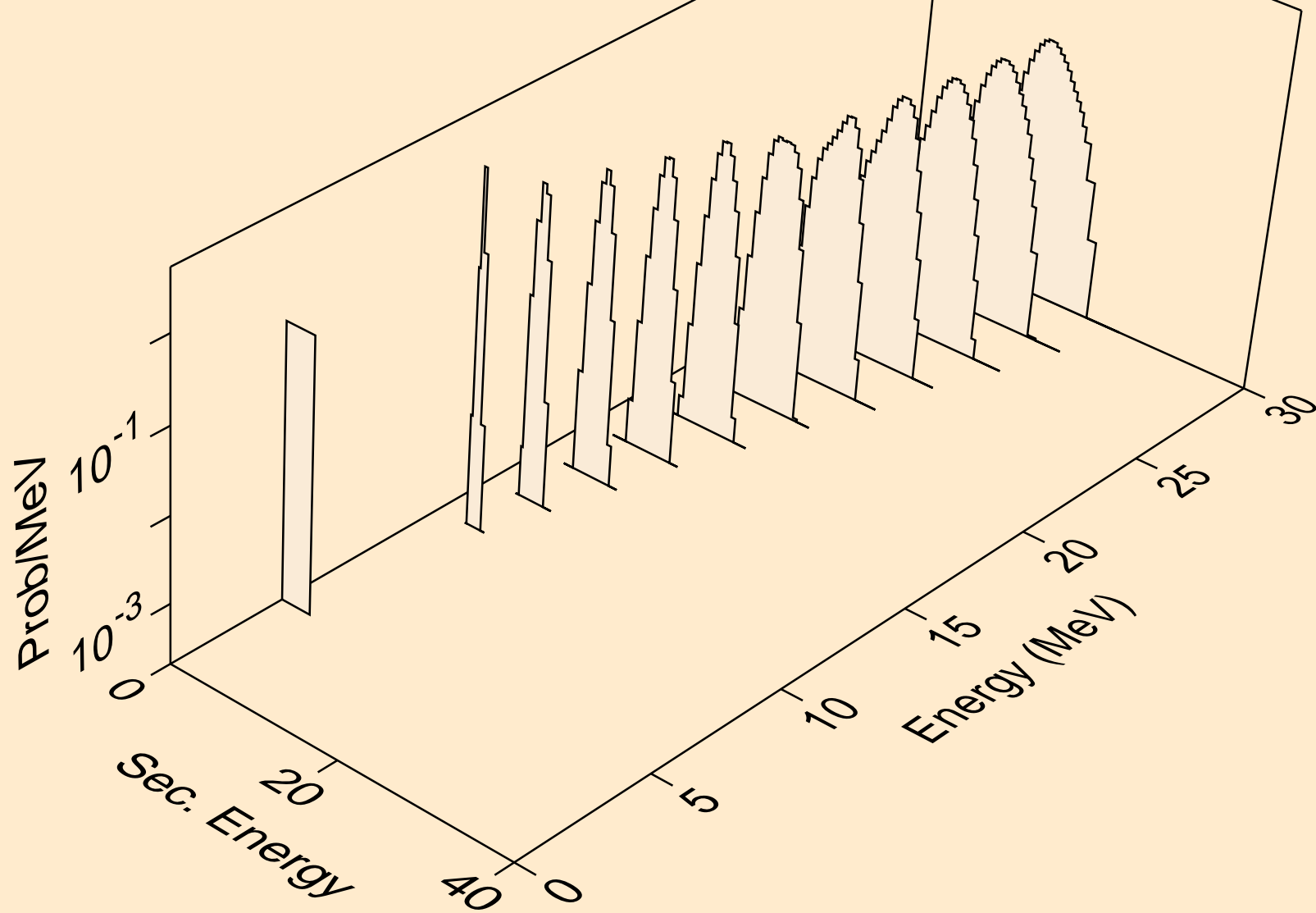
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



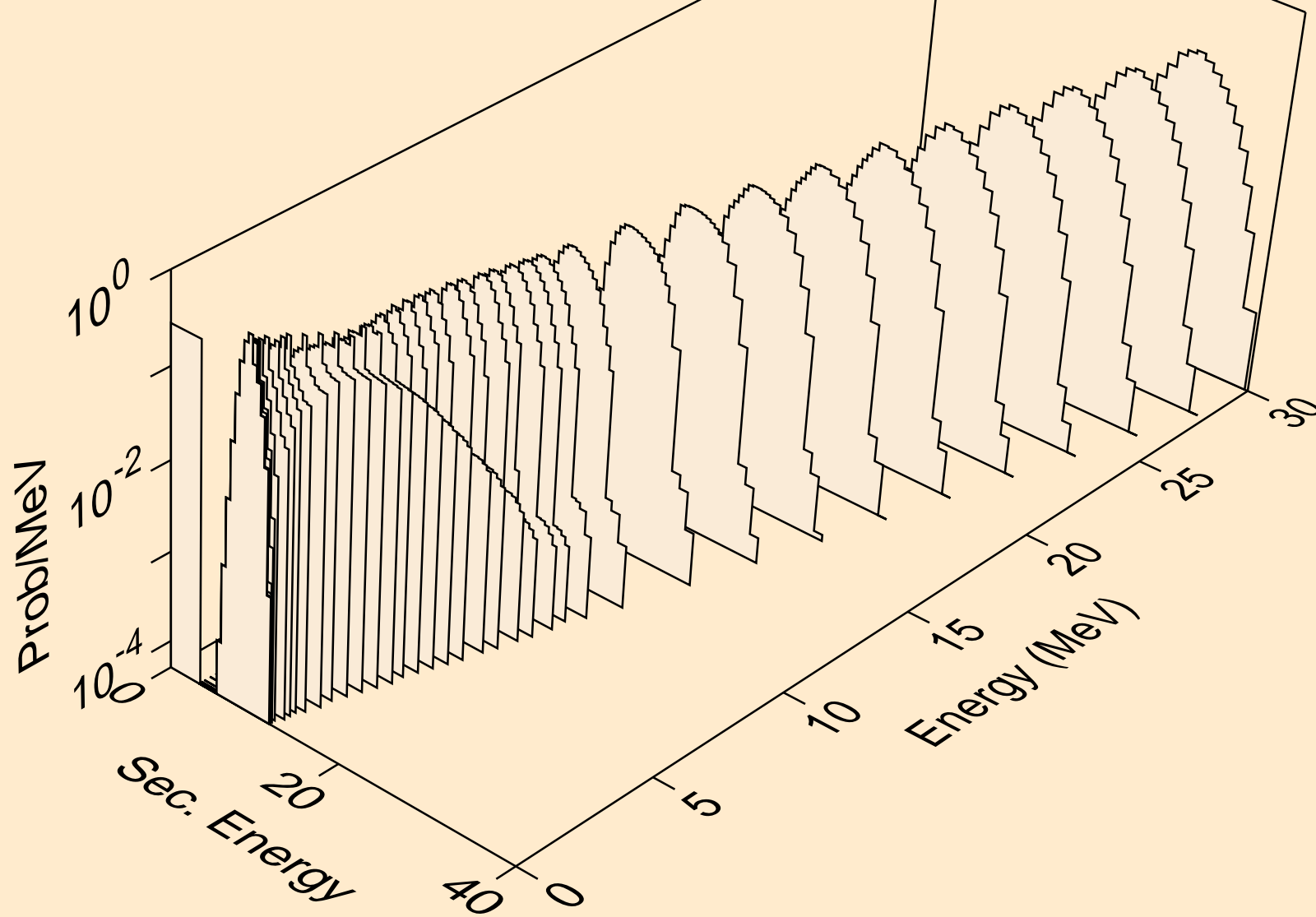
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)2a



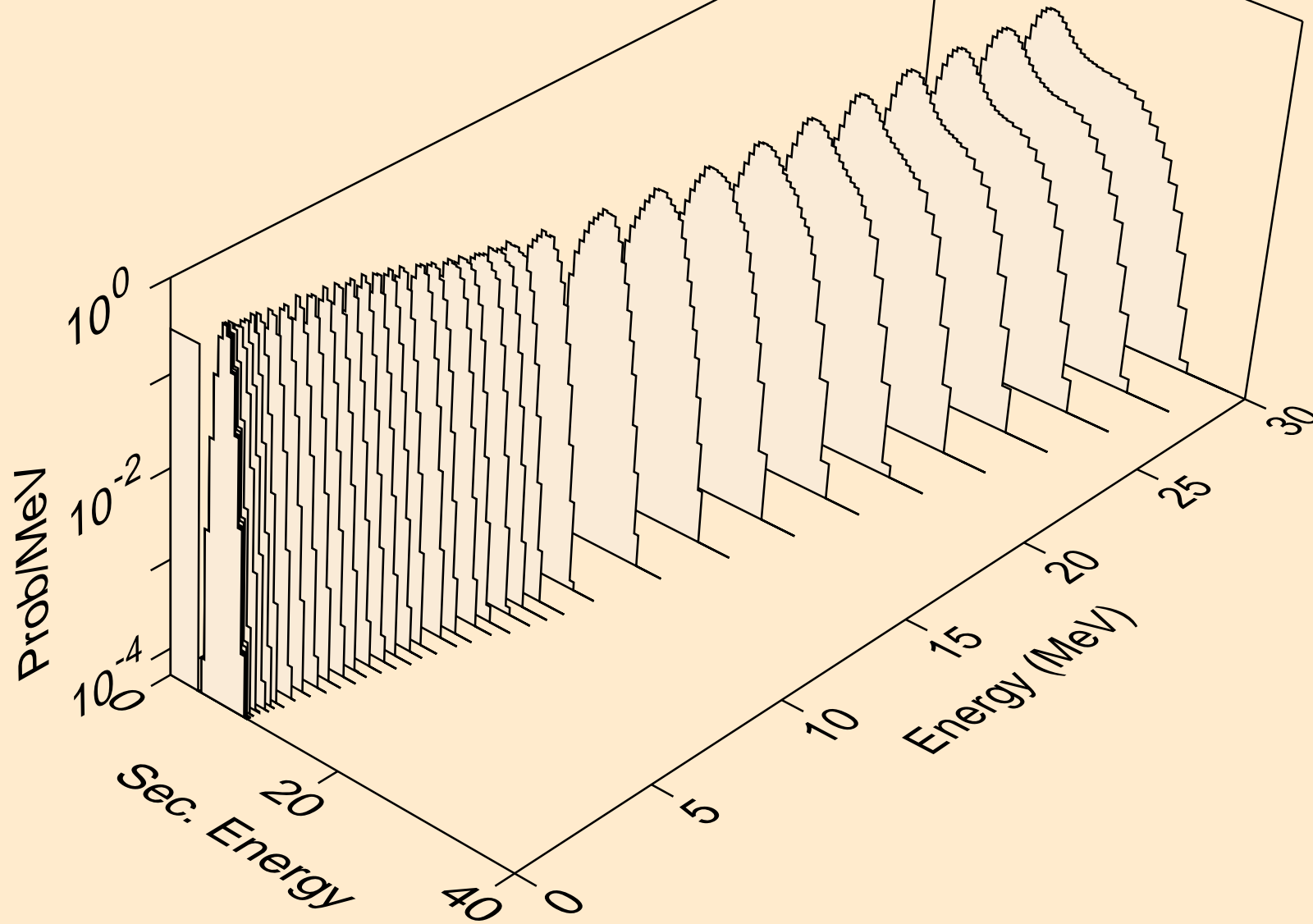
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)



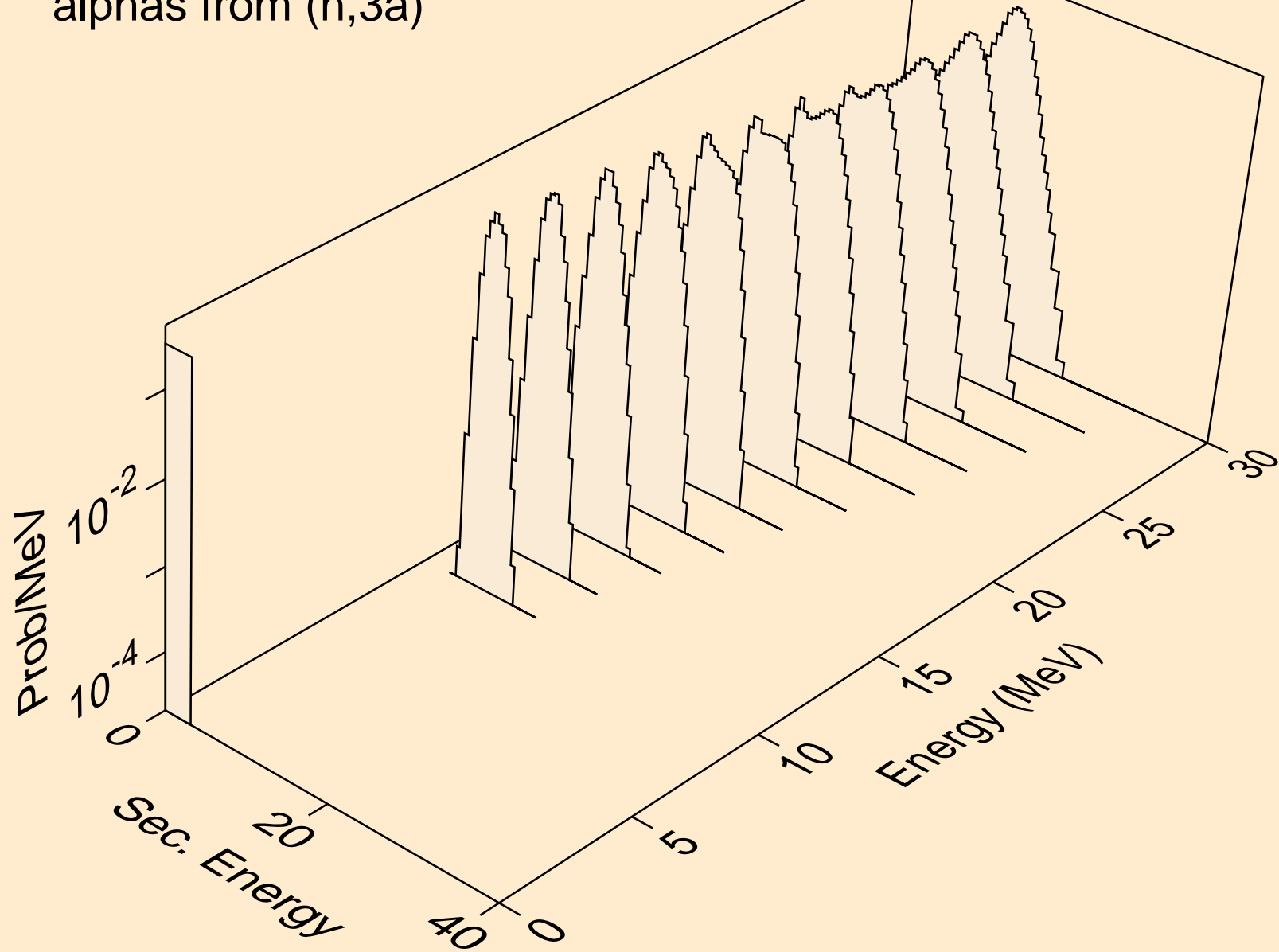
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)



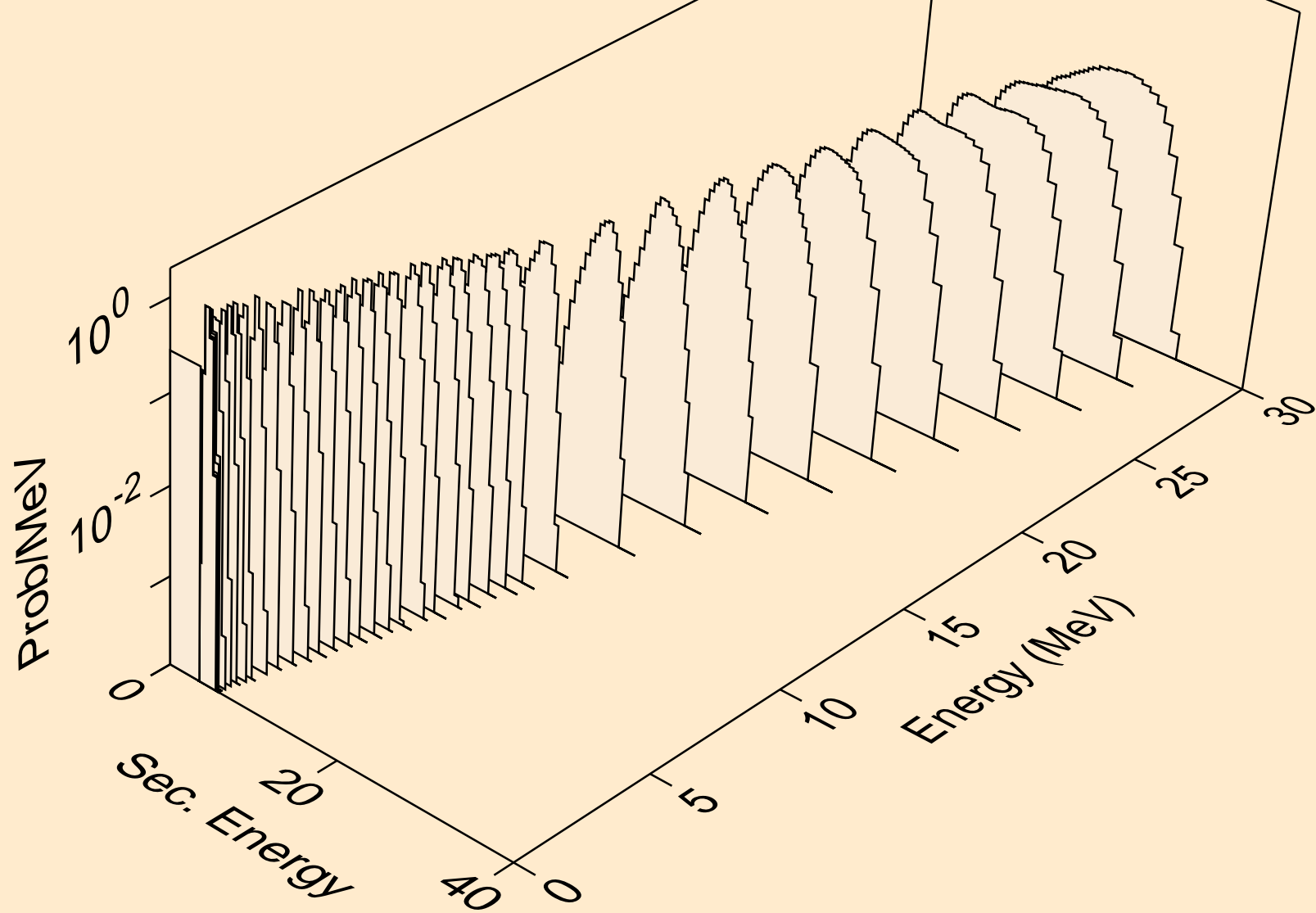
XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)



XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3a)



XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



XE119 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

