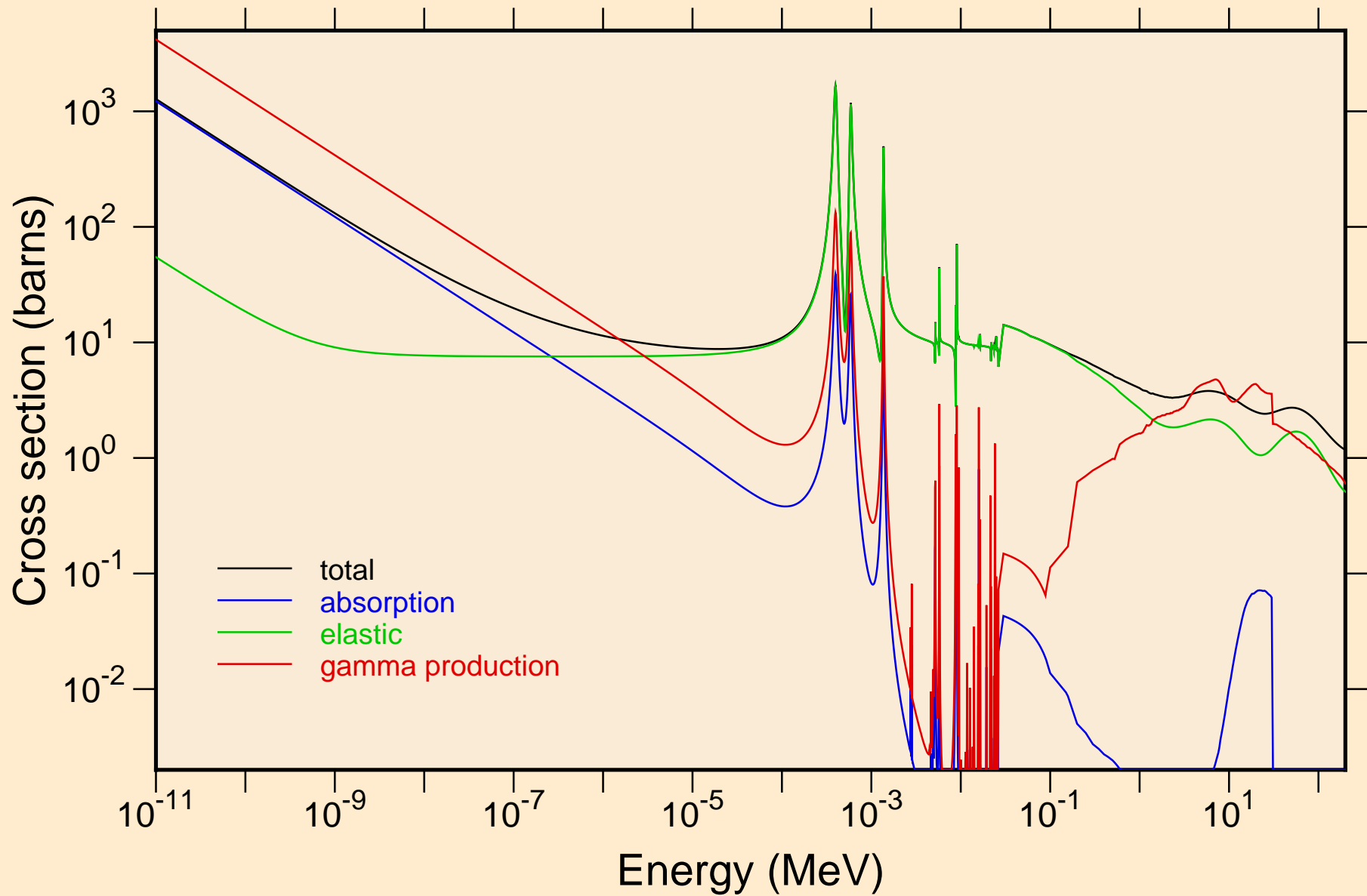
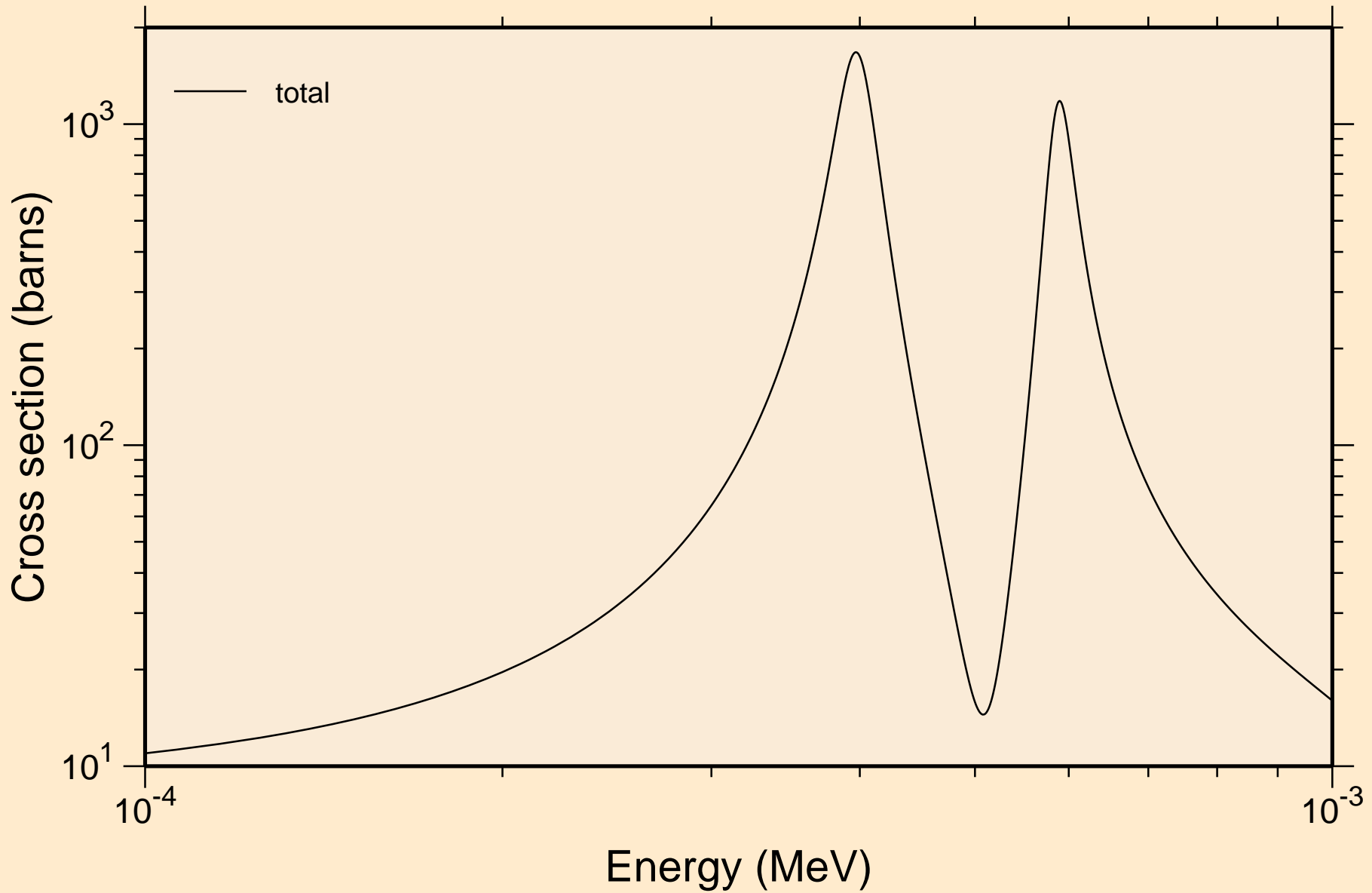


# NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

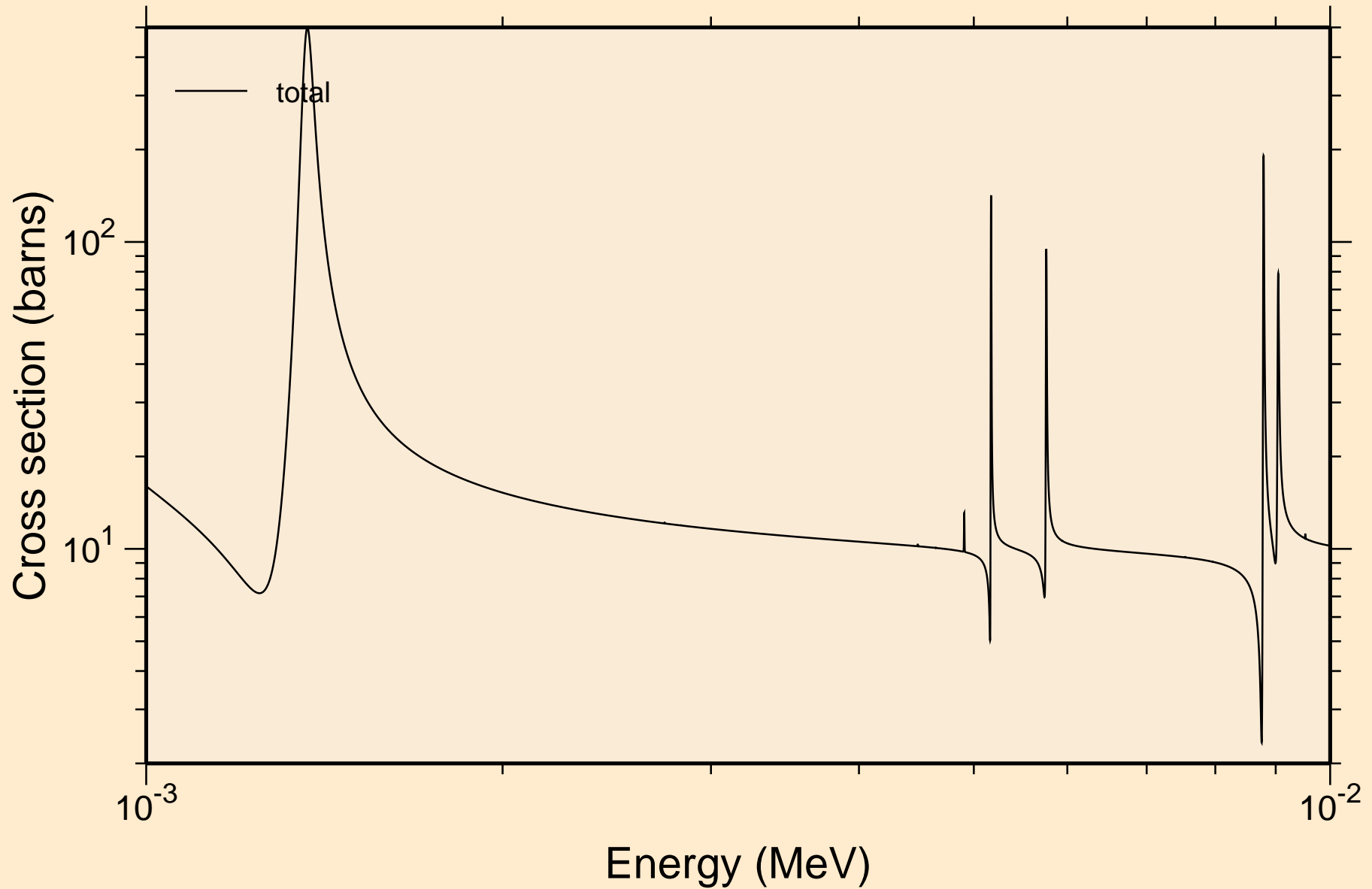
## Principal cross sections



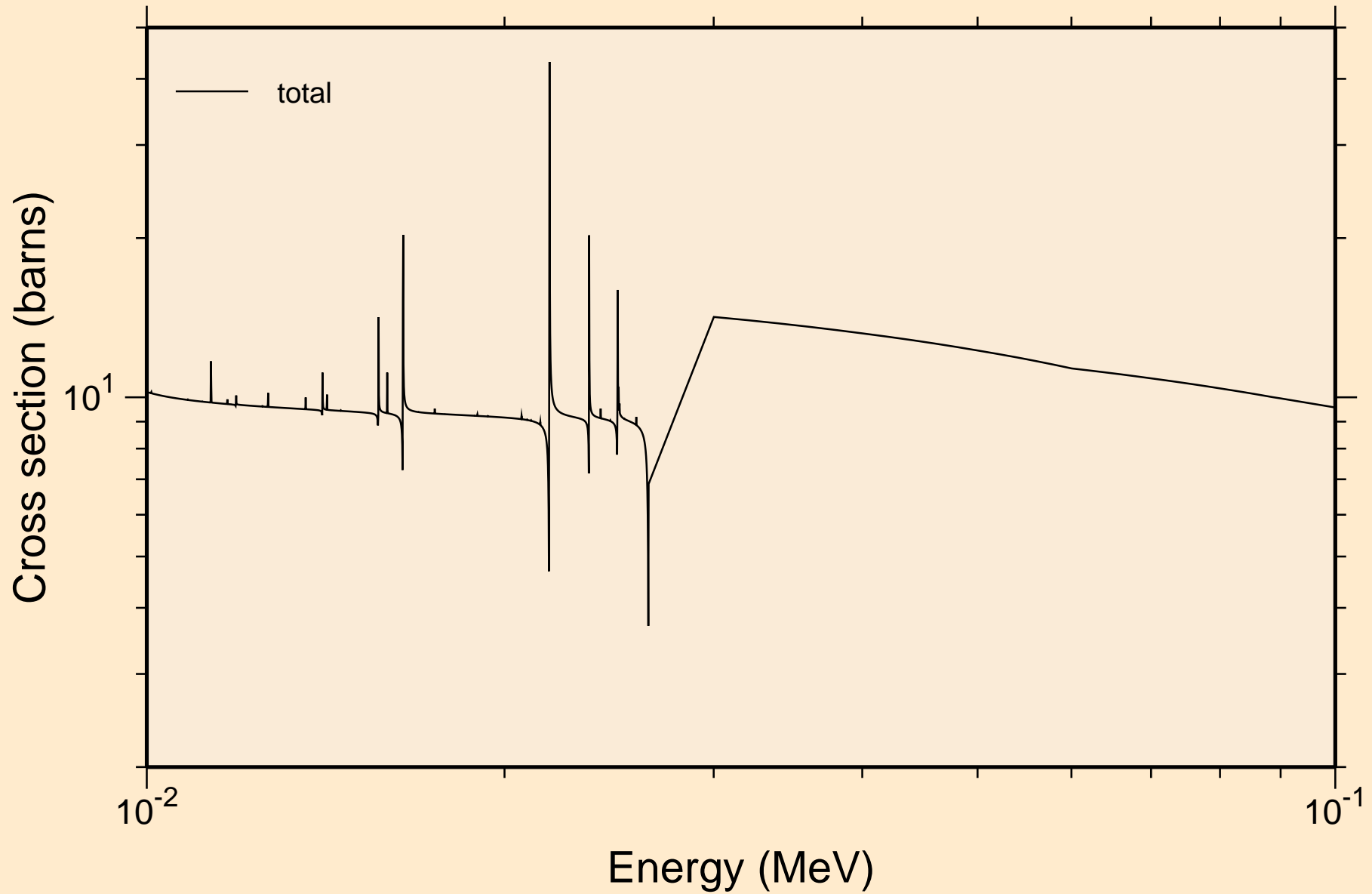
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



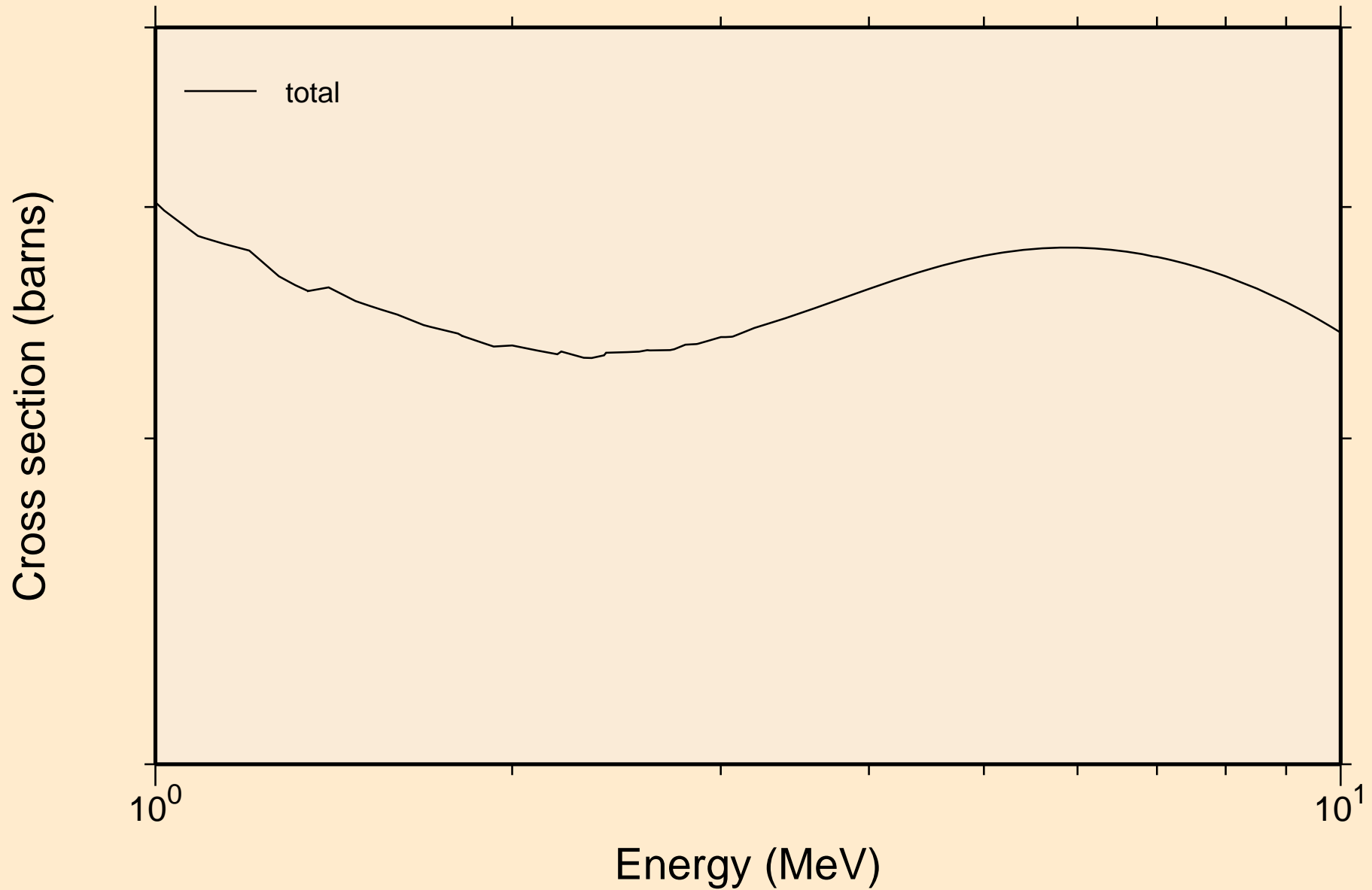
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



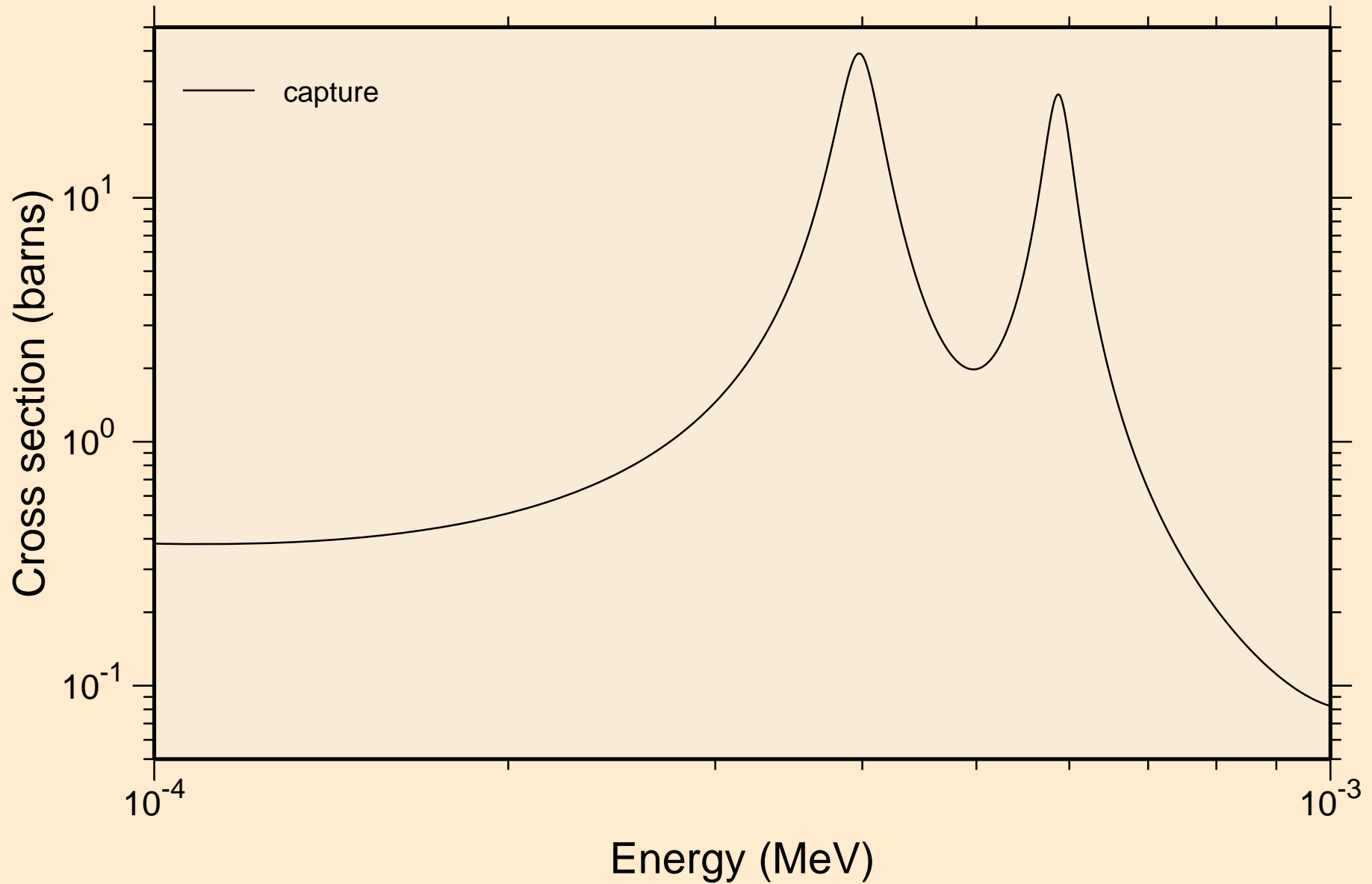
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



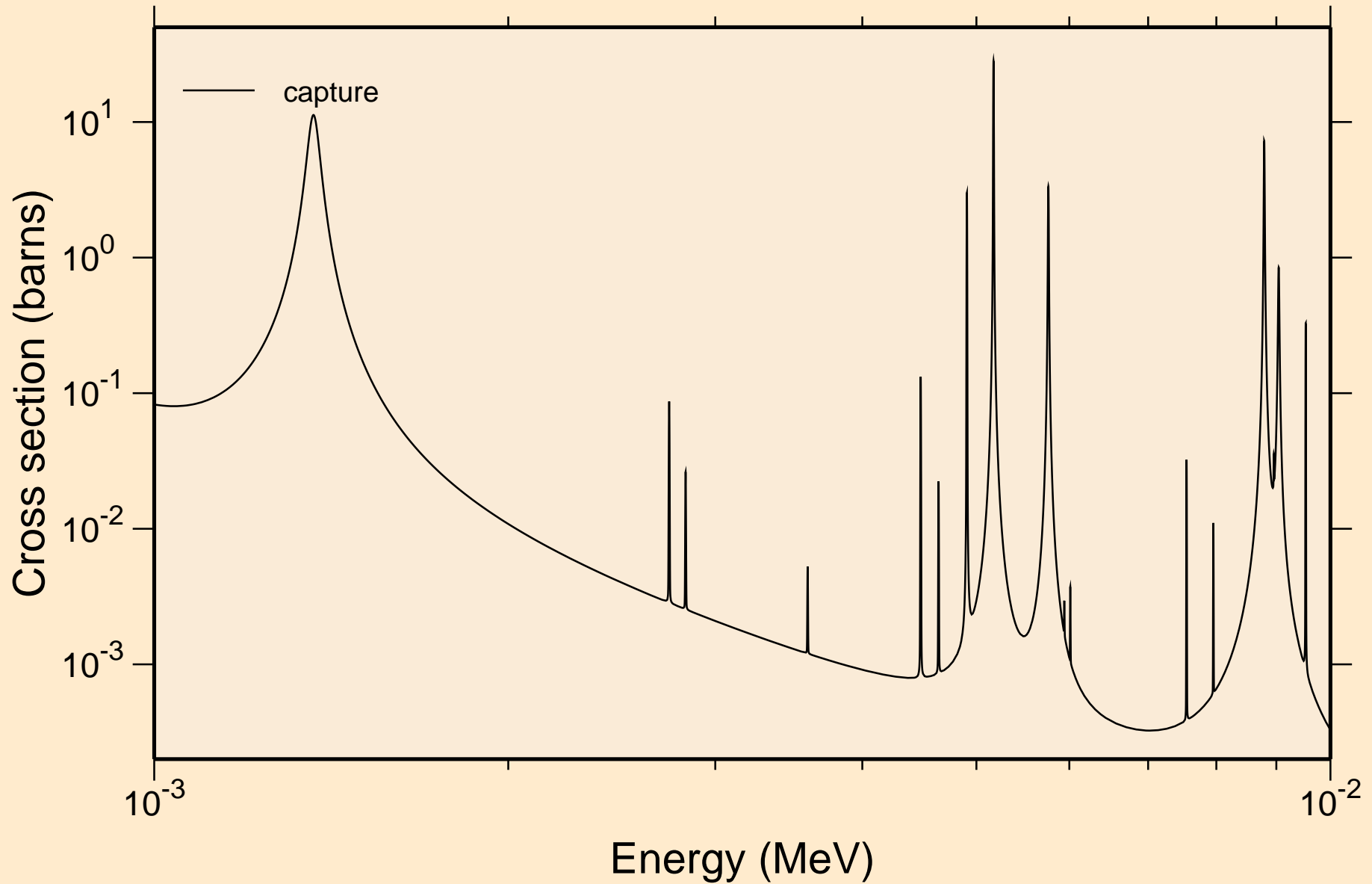
Ni063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance total cross section



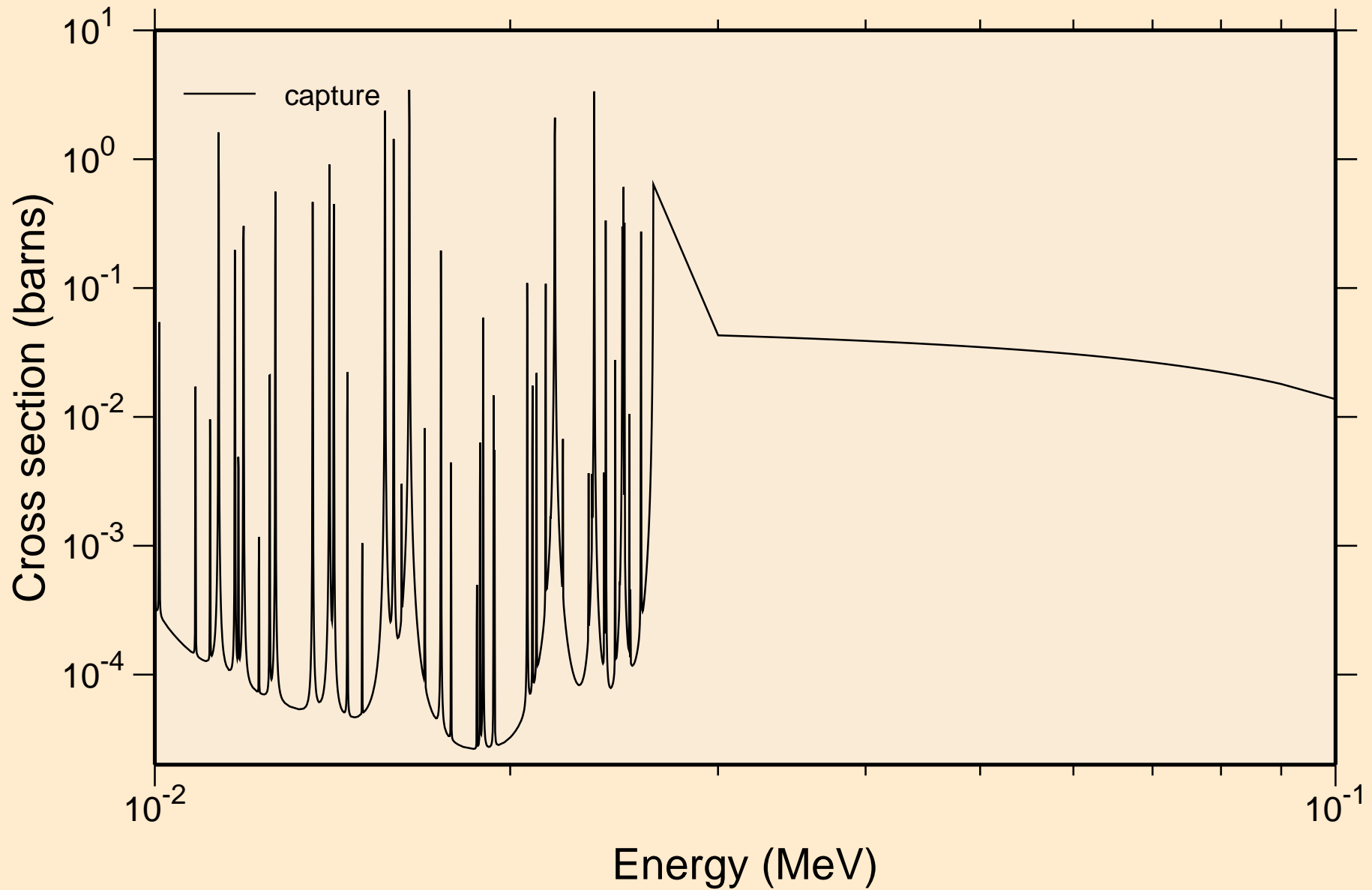
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

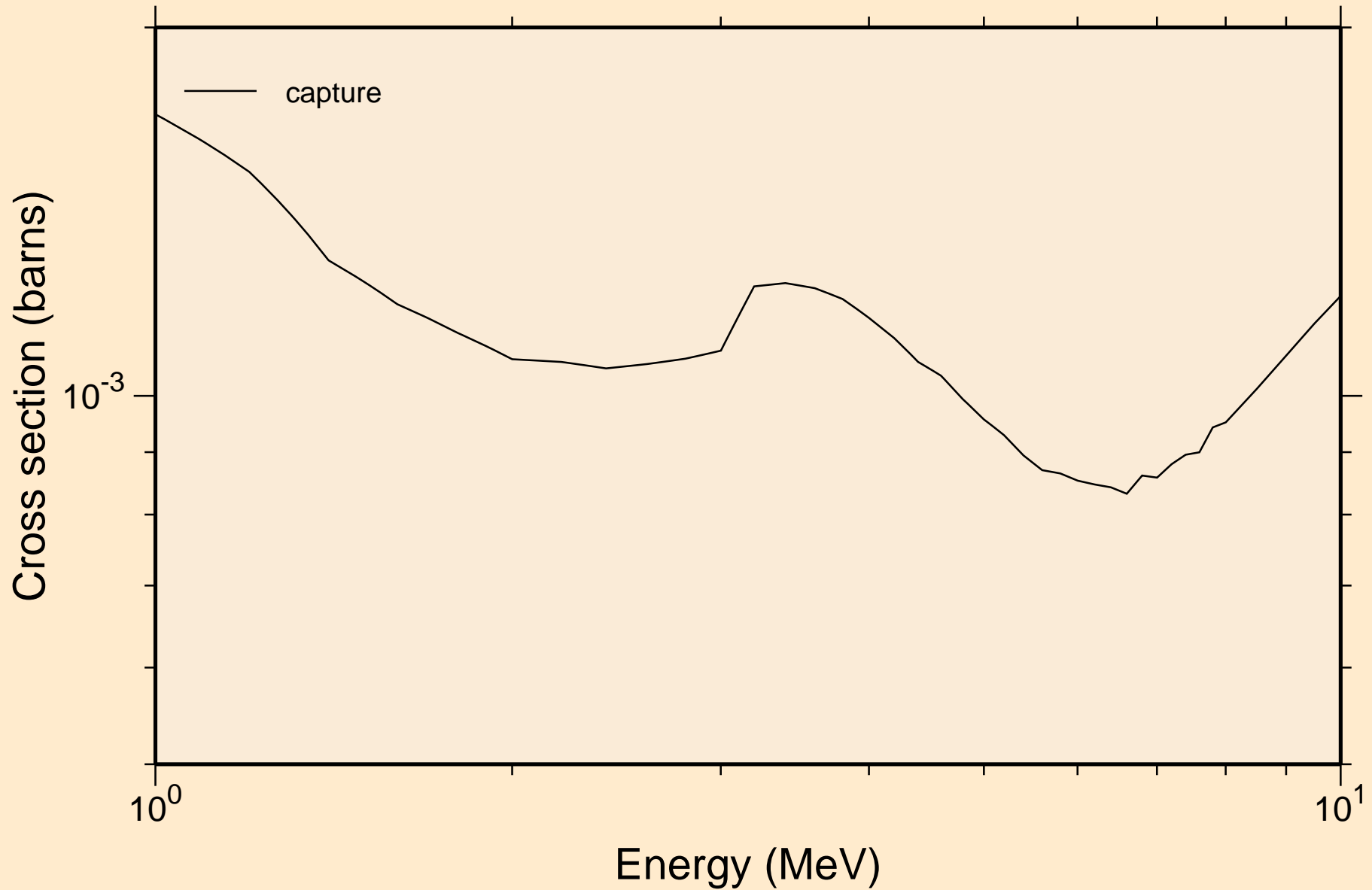


NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections

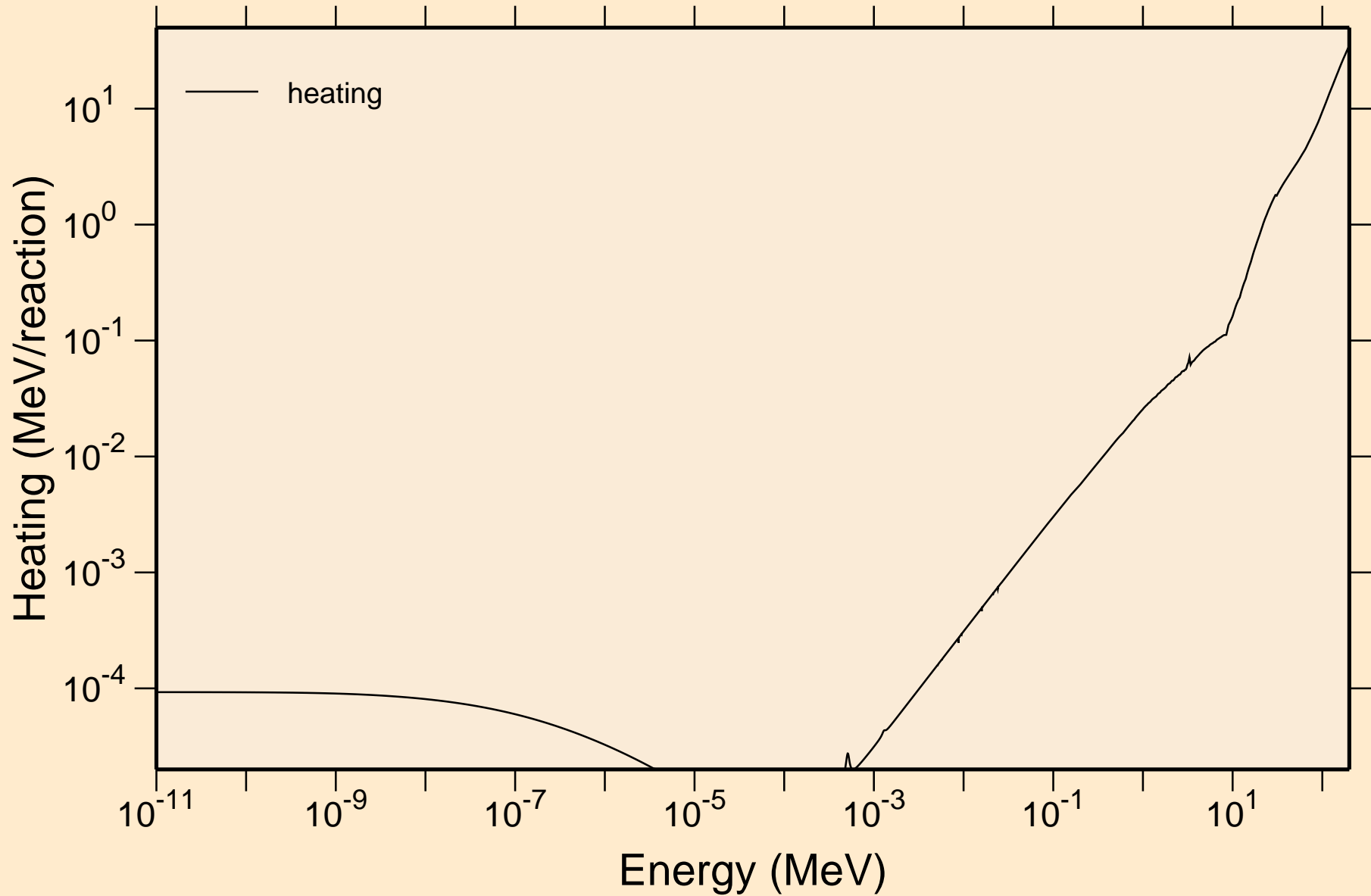




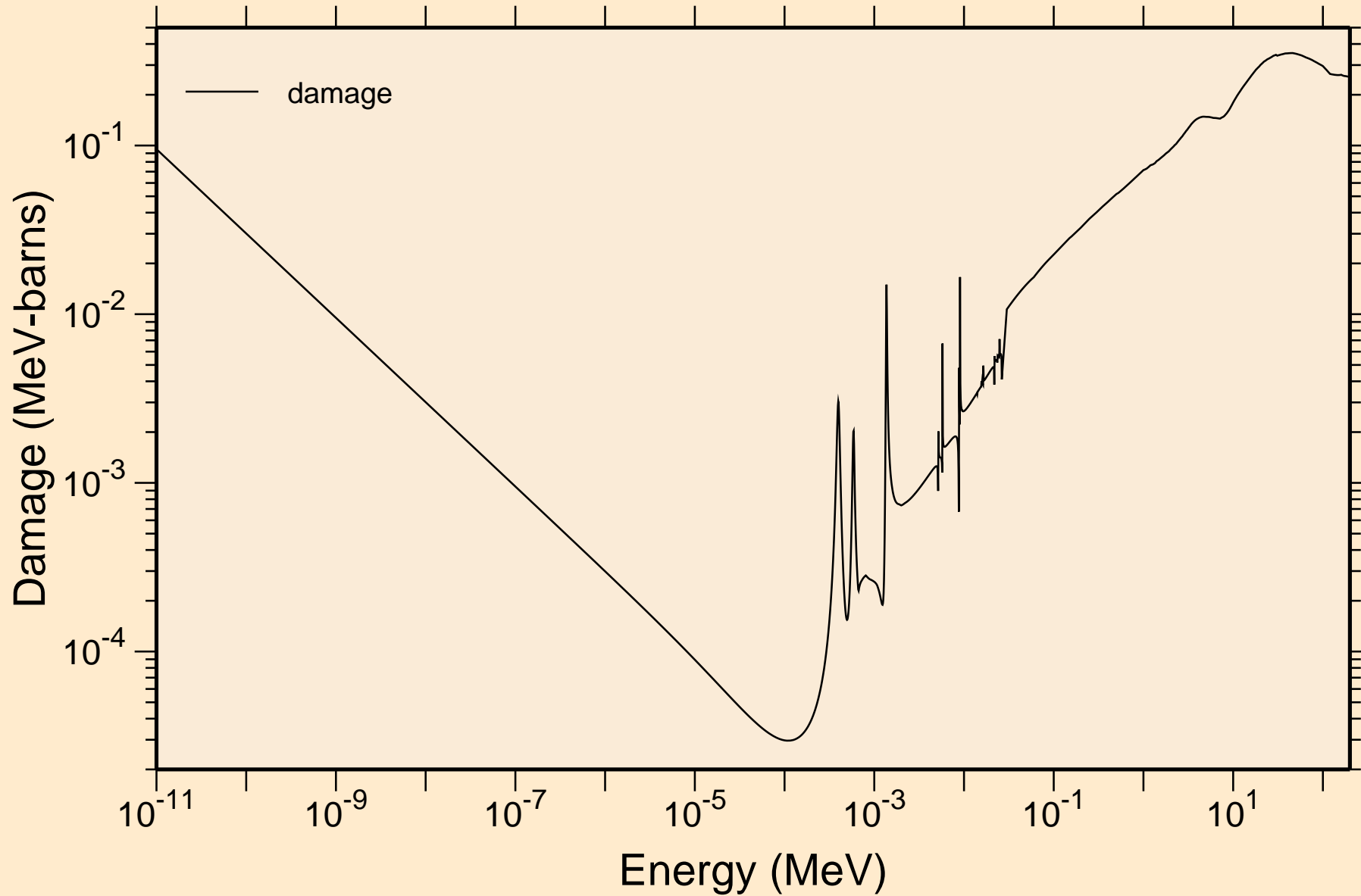
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
resonance absorption cross sections



NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Heating

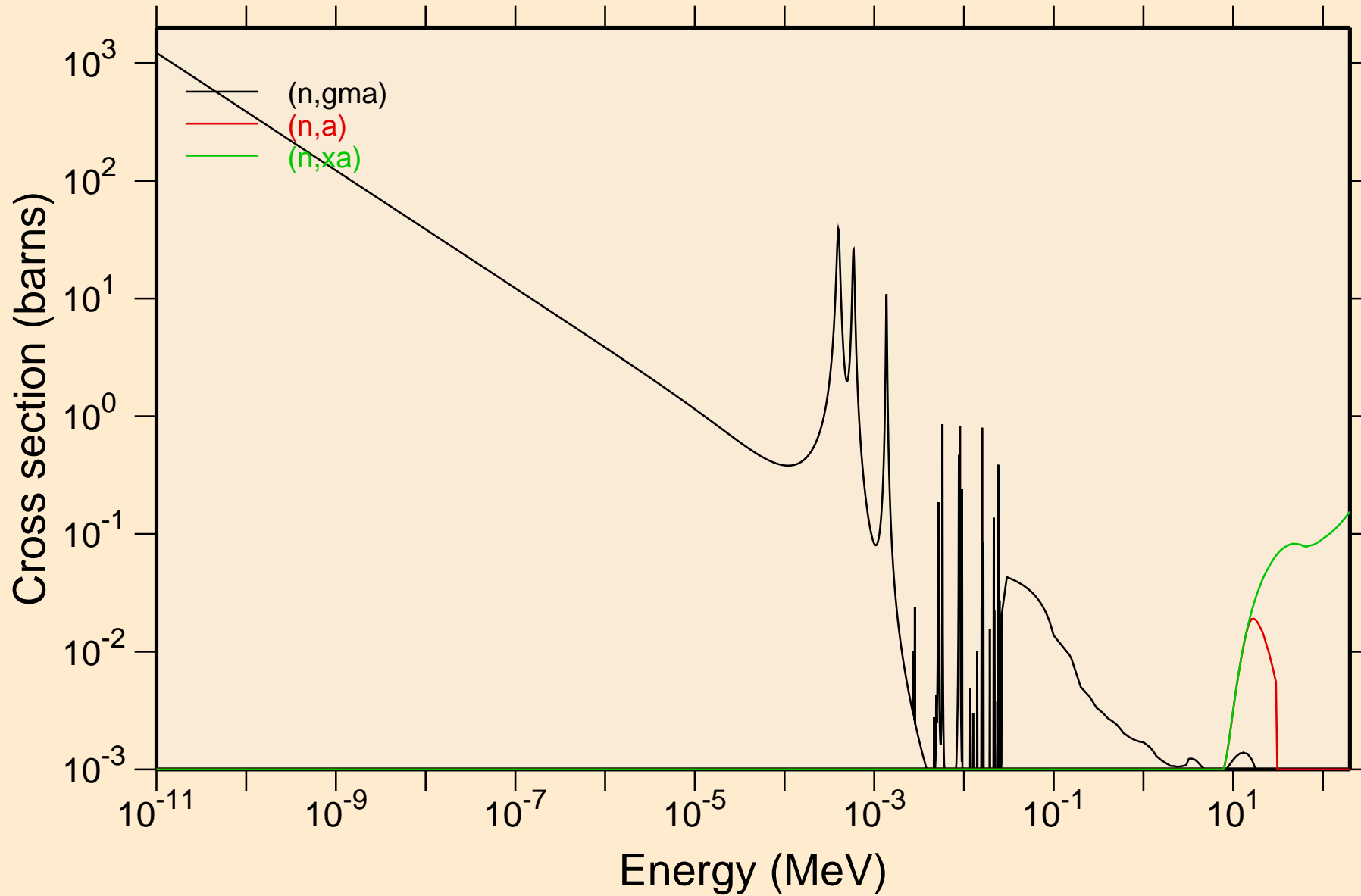


NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage



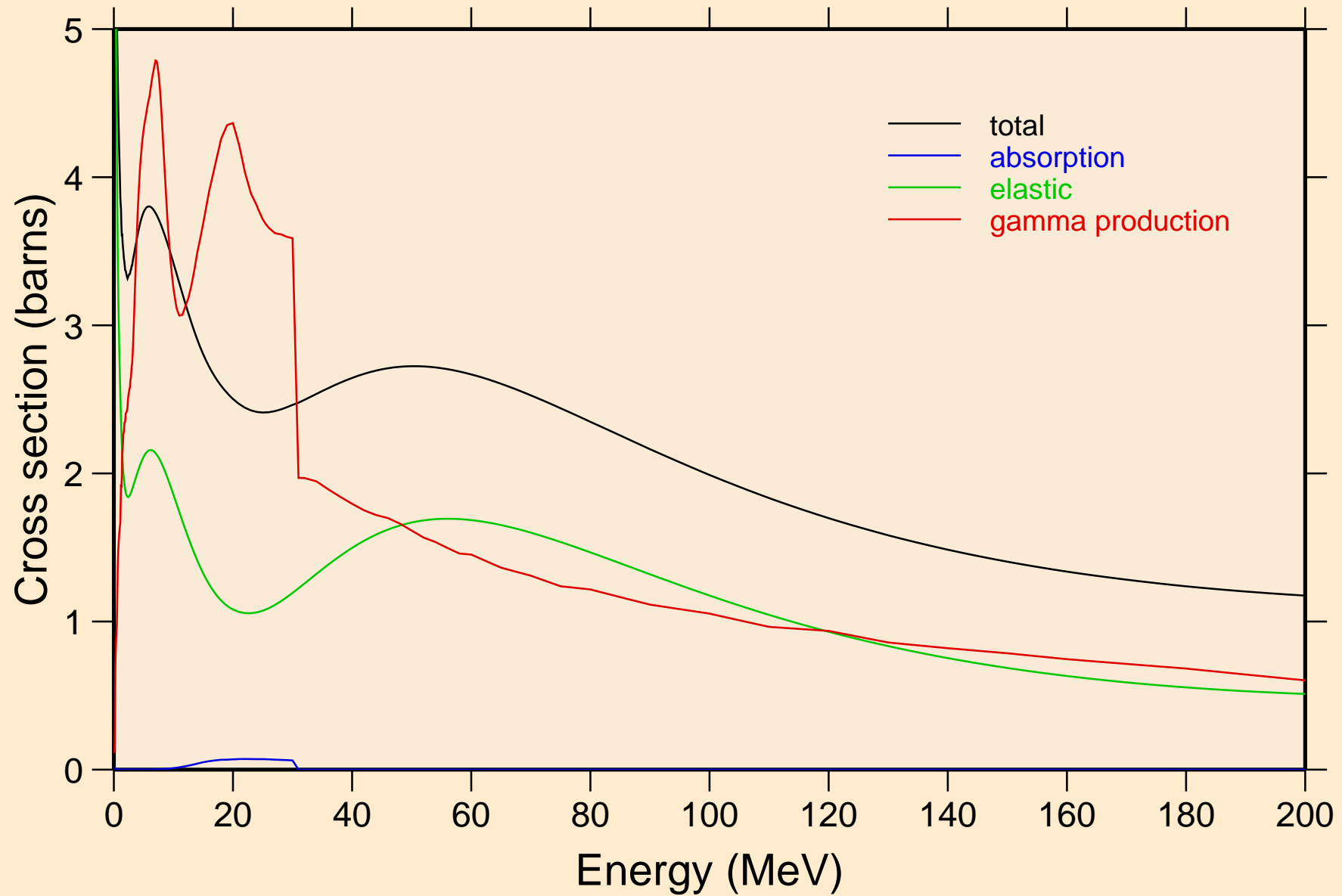
# NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Non-threshold reactions



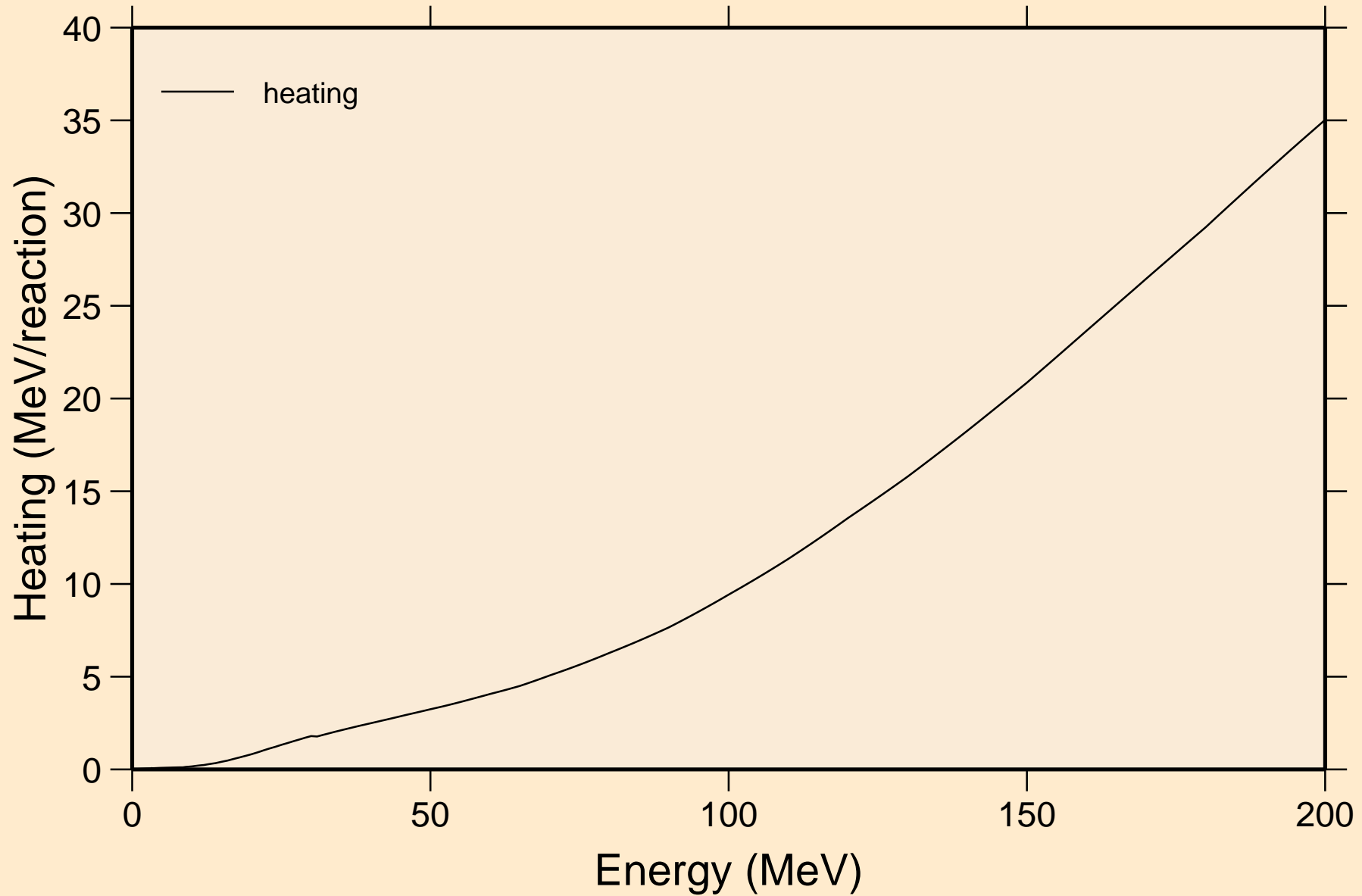
# NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

## Principal cross sections

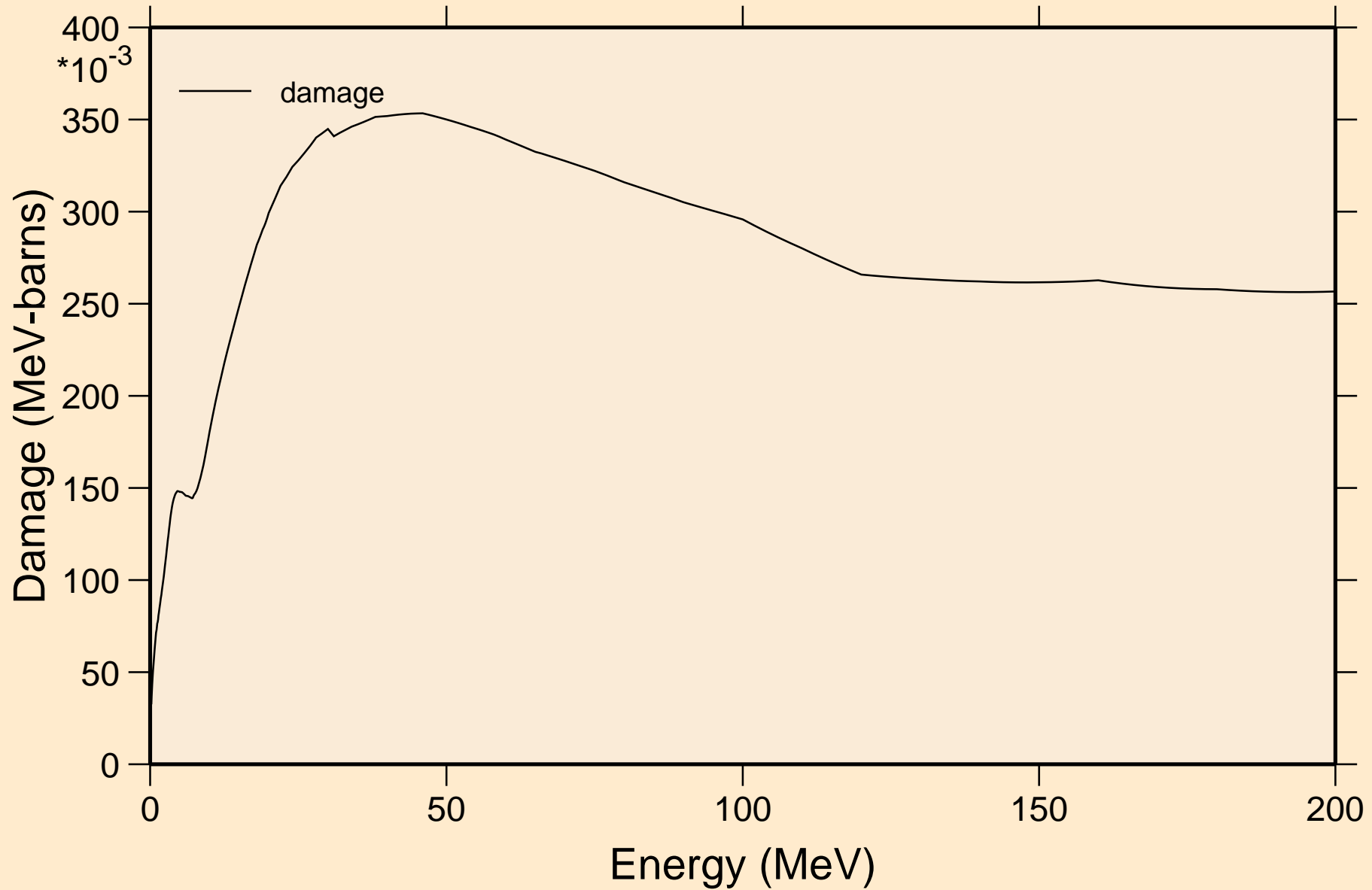


NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

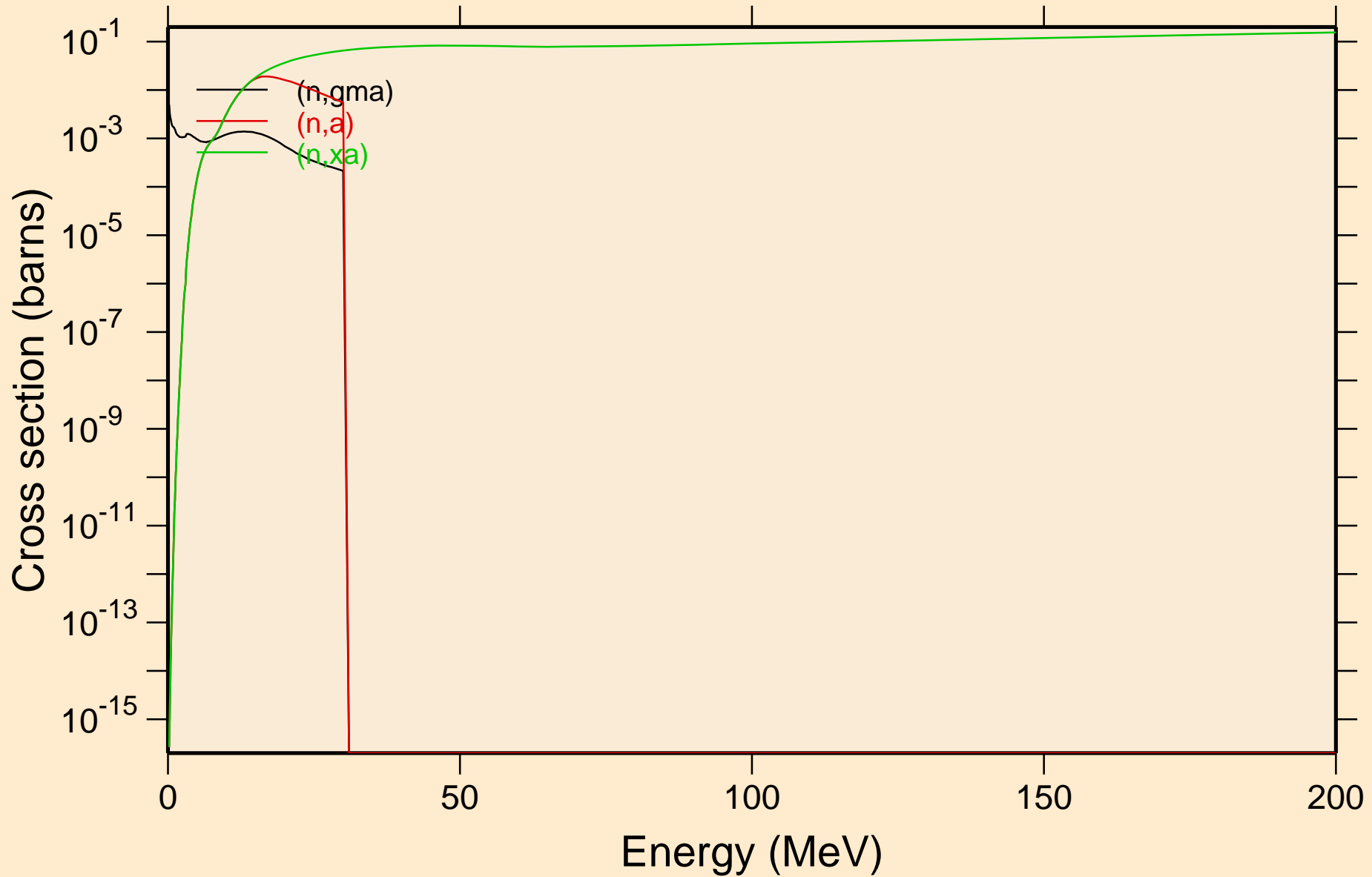
Heating



NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Damage

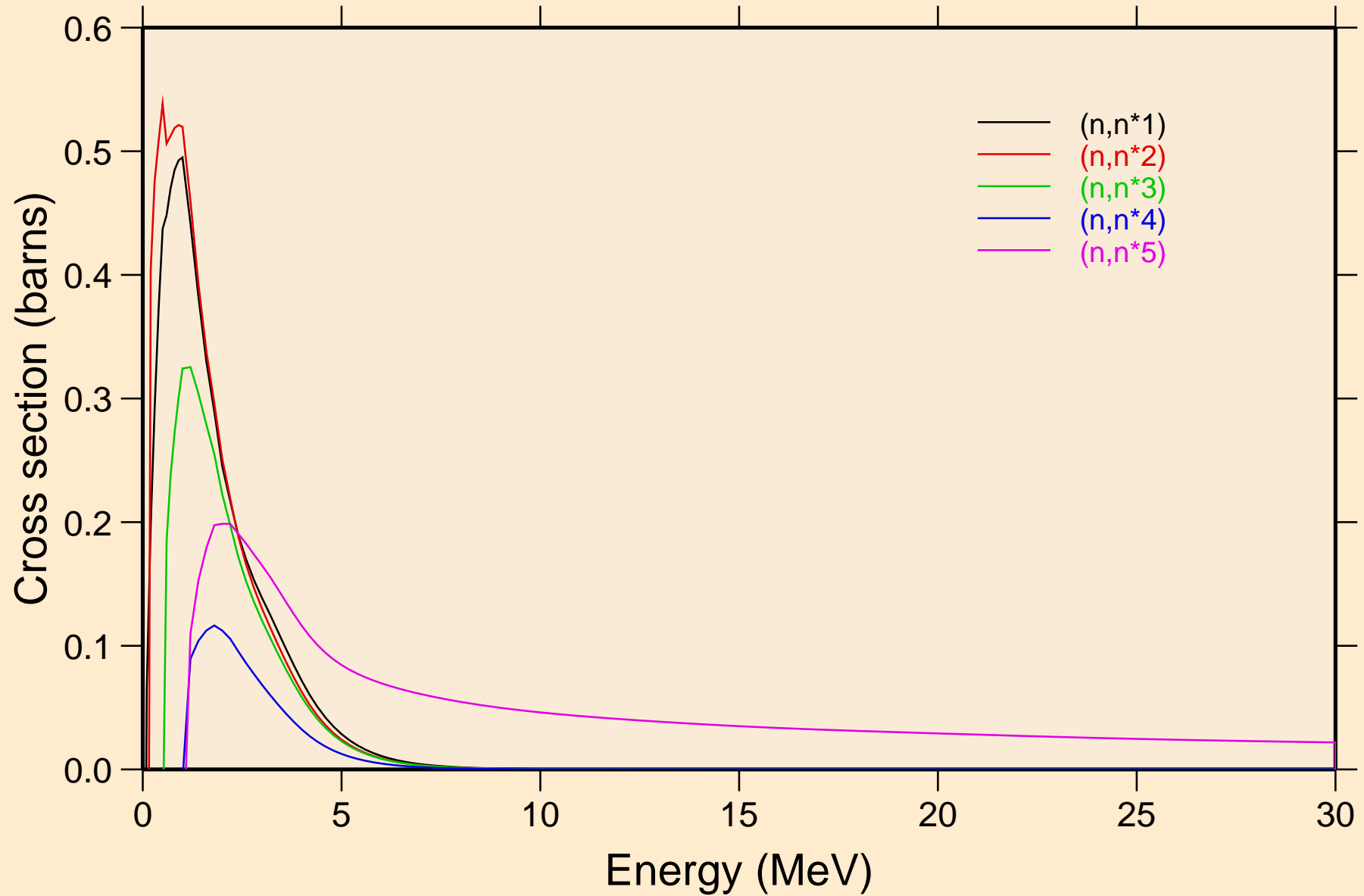


NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Non-threshold reactions

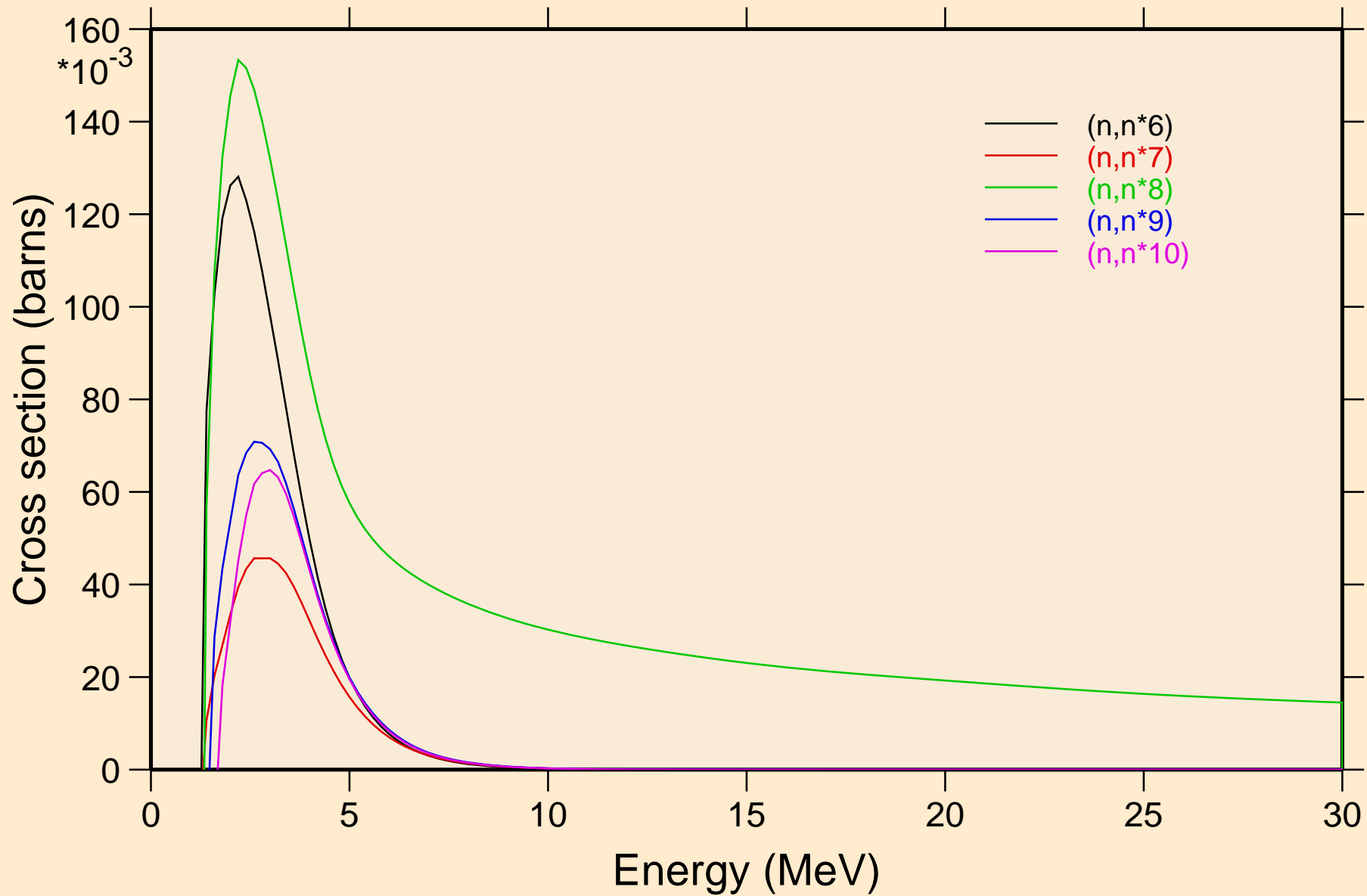




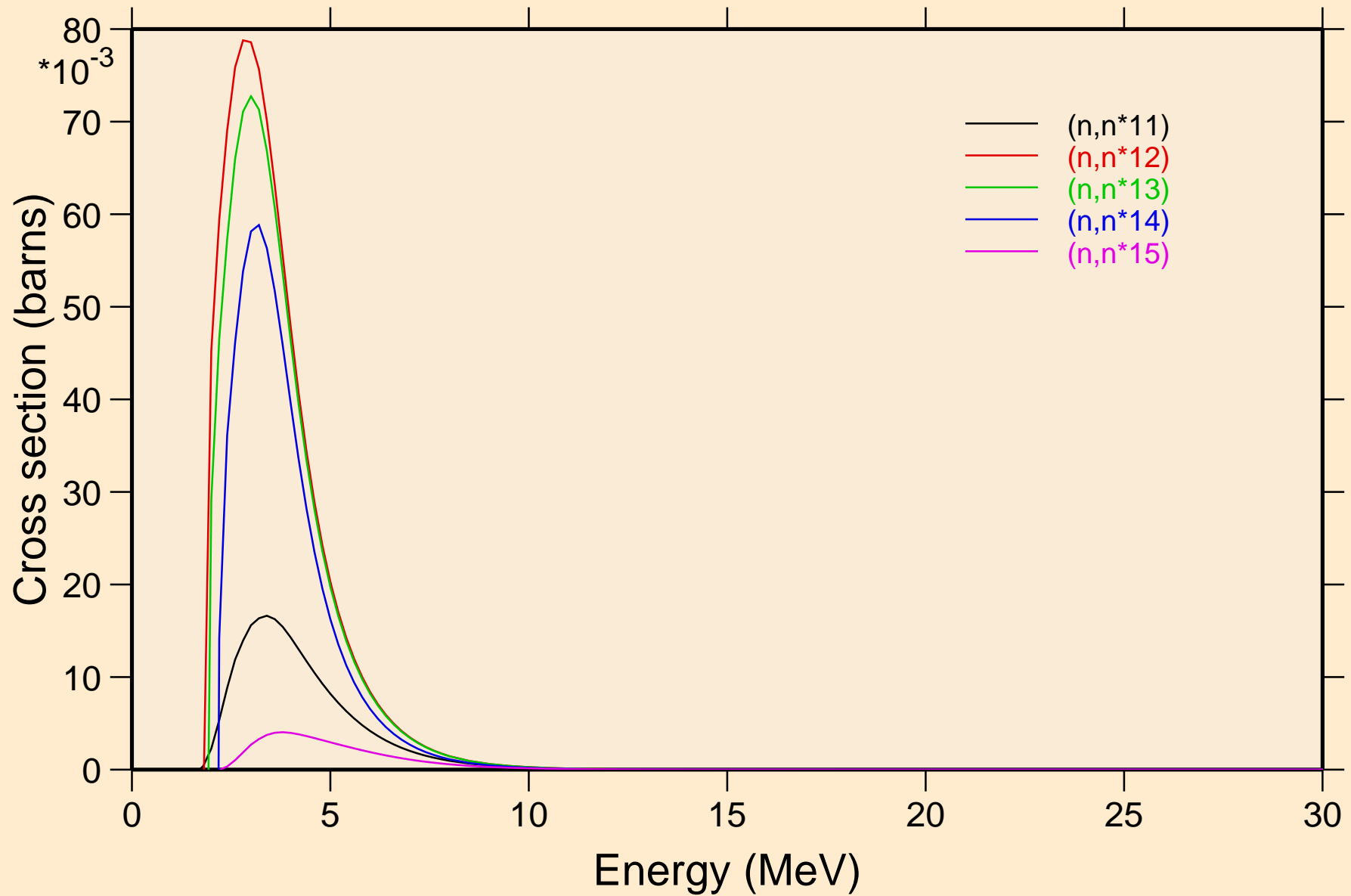
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



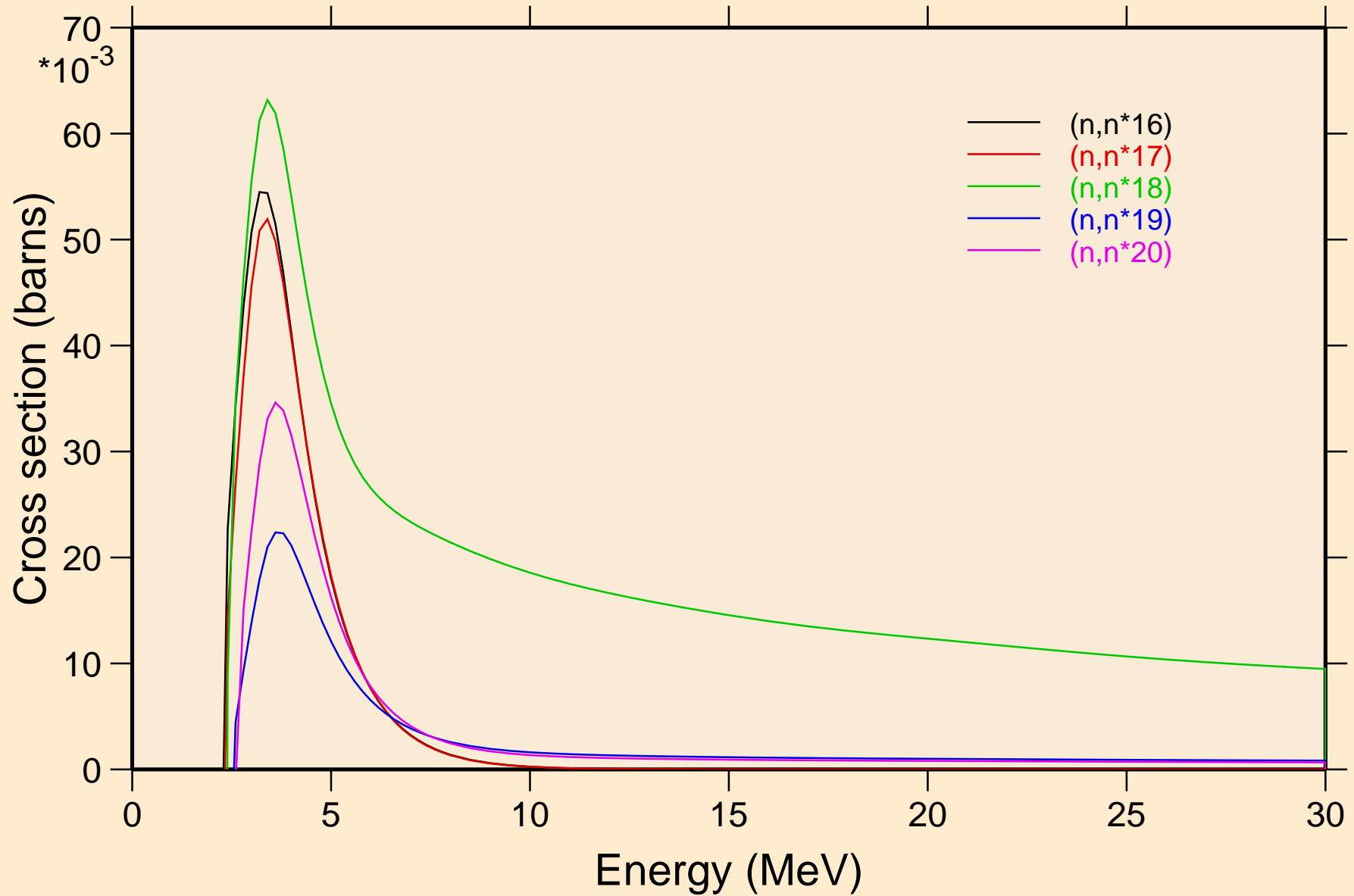
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



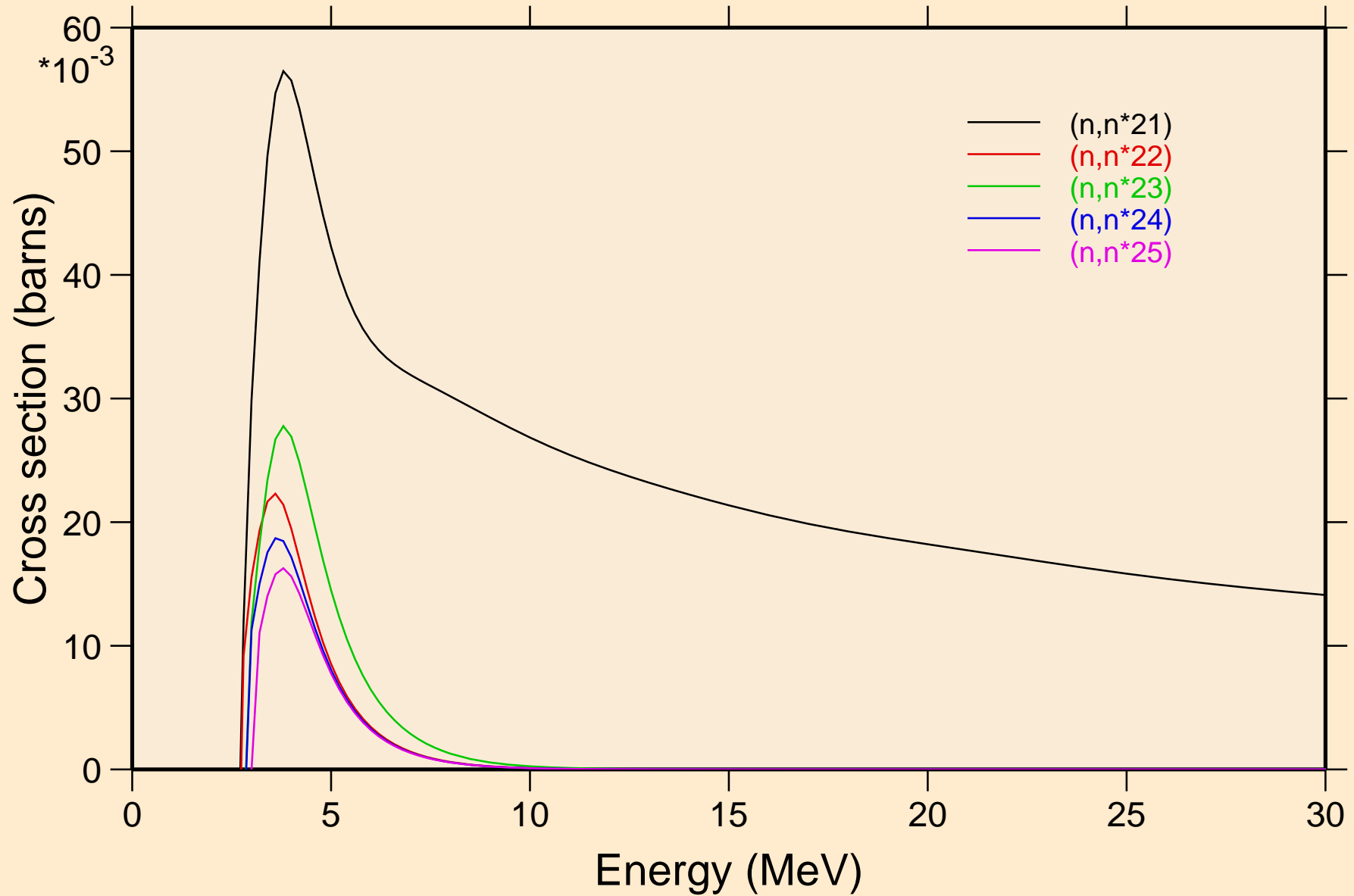
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



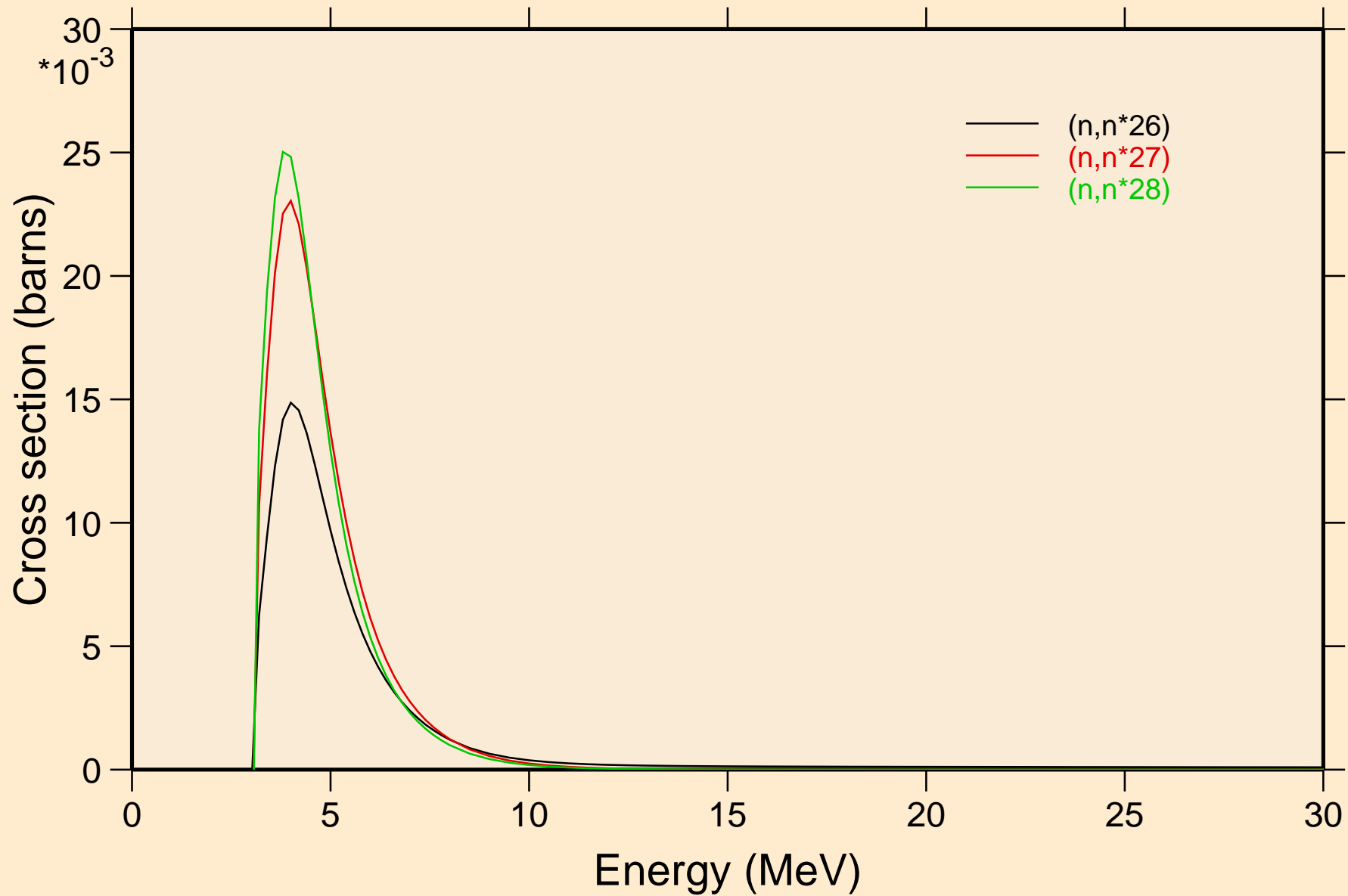
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



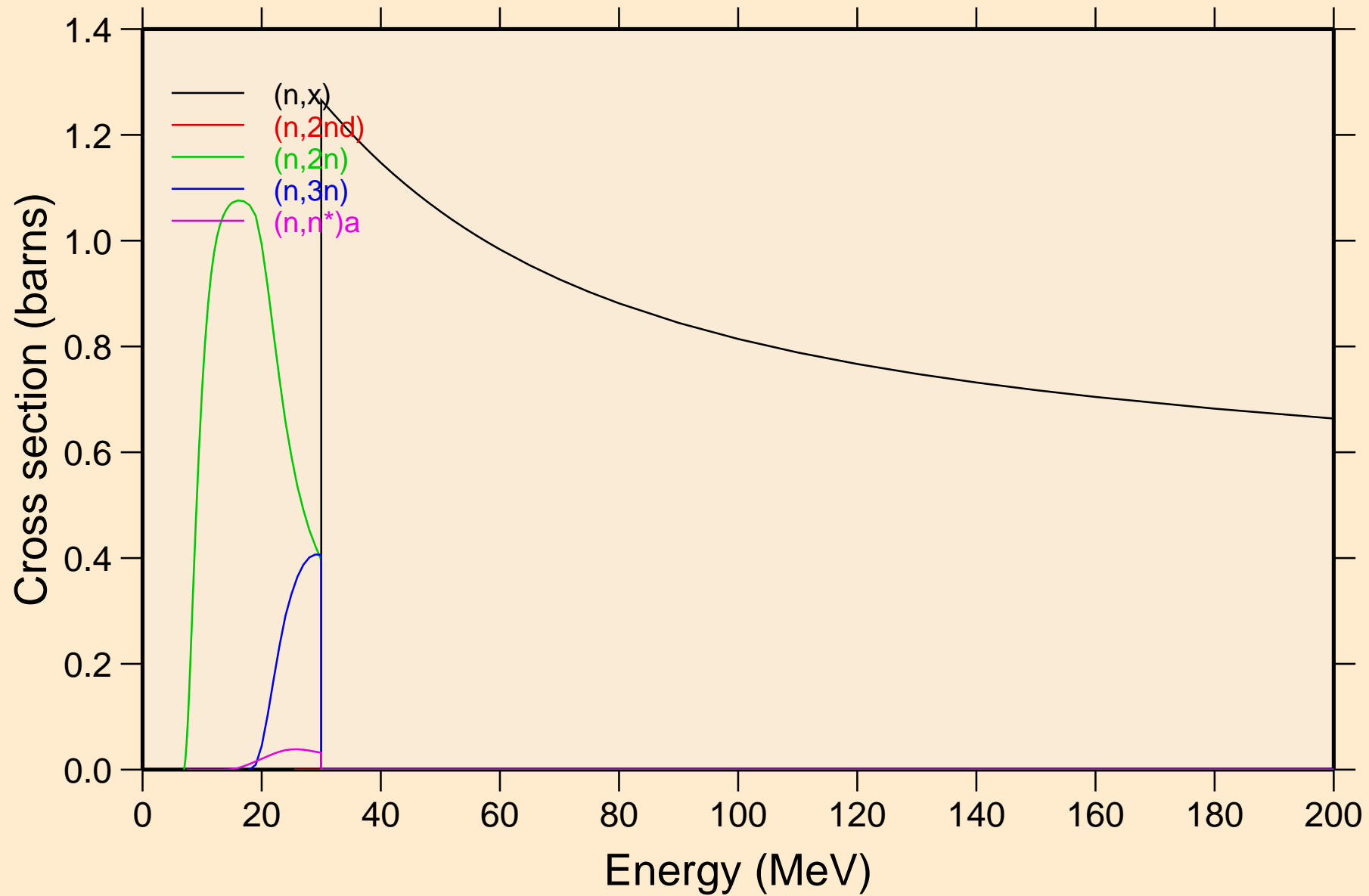
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



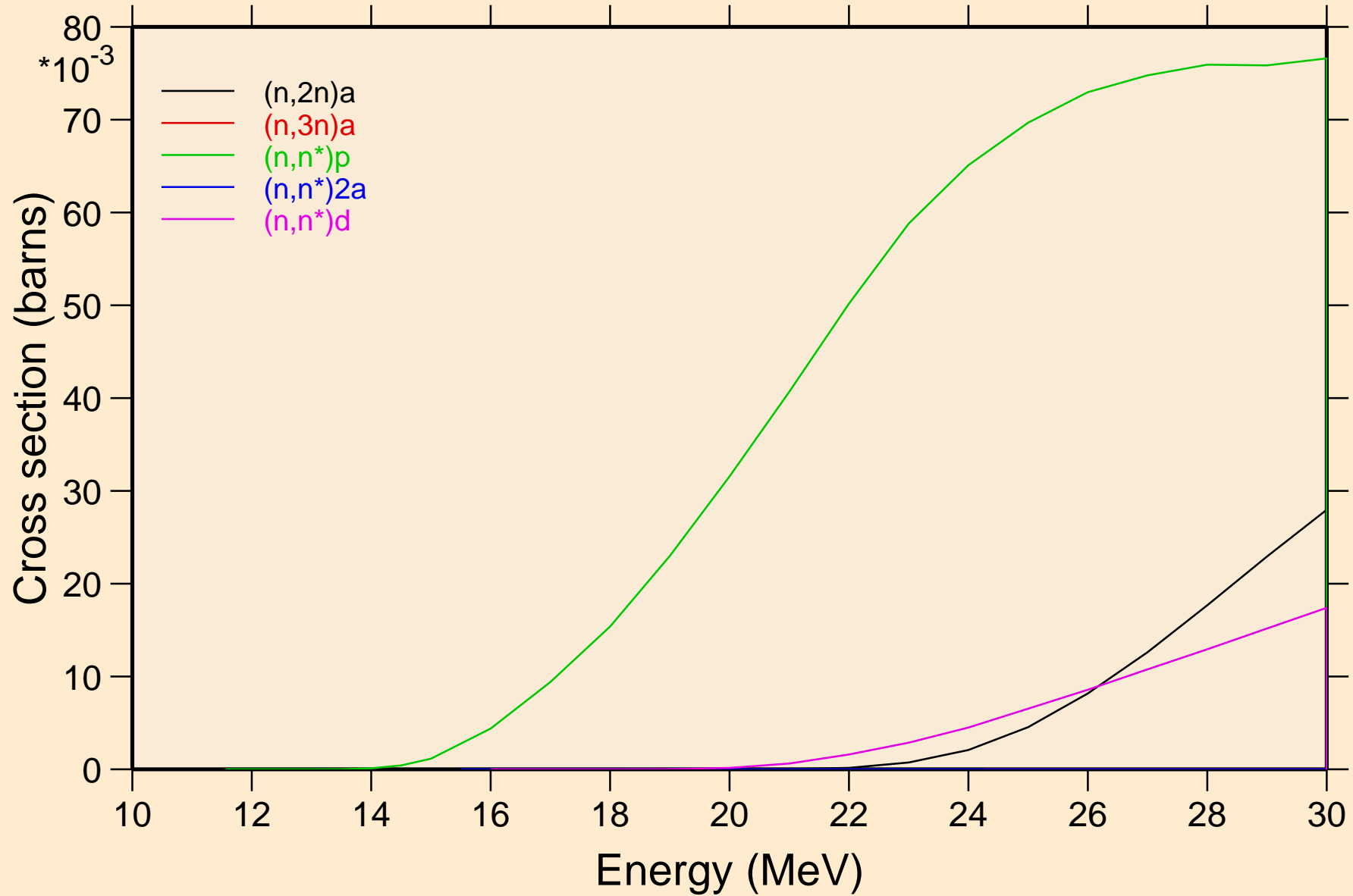
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Inelastic levels



NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



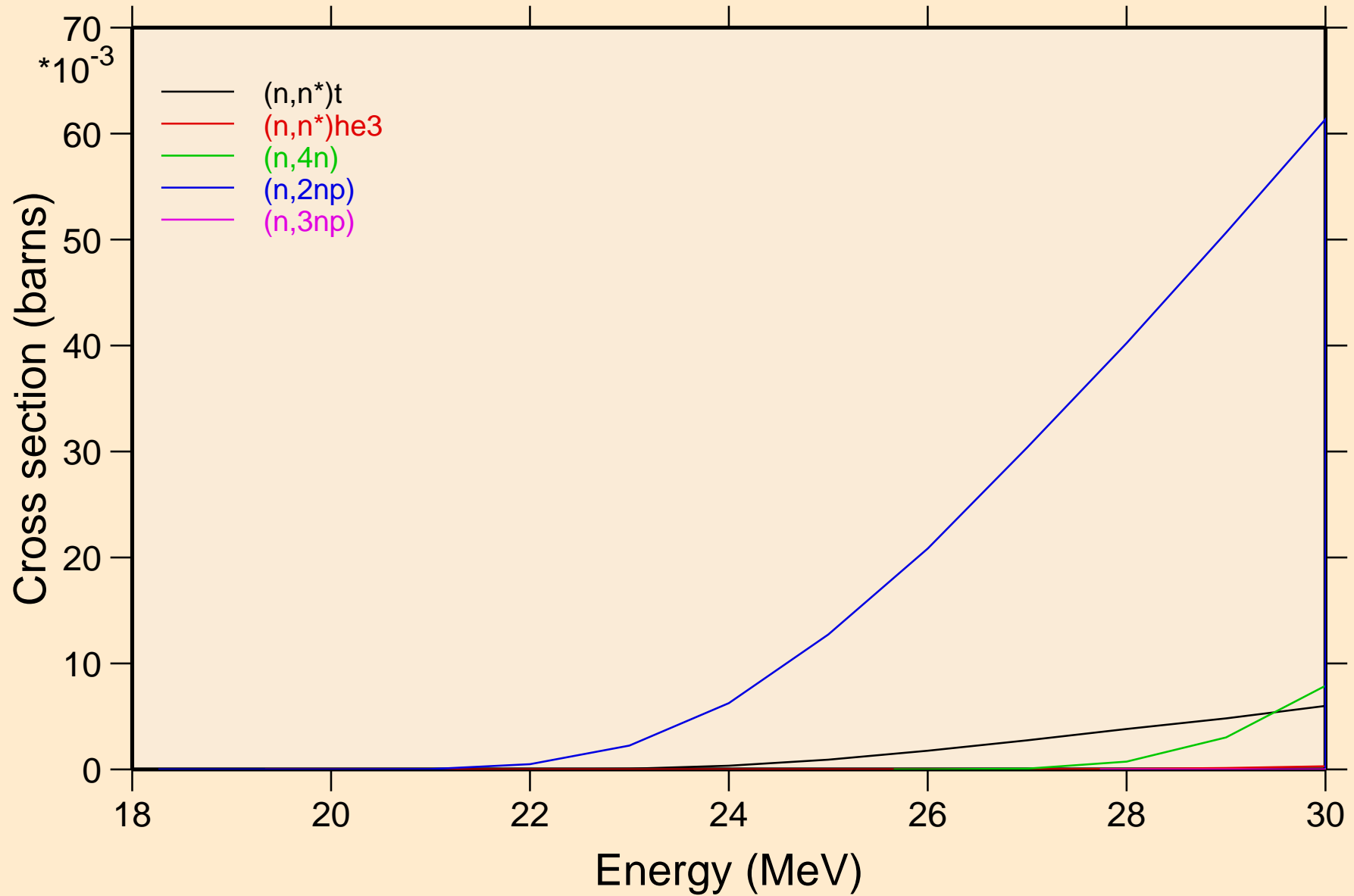
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



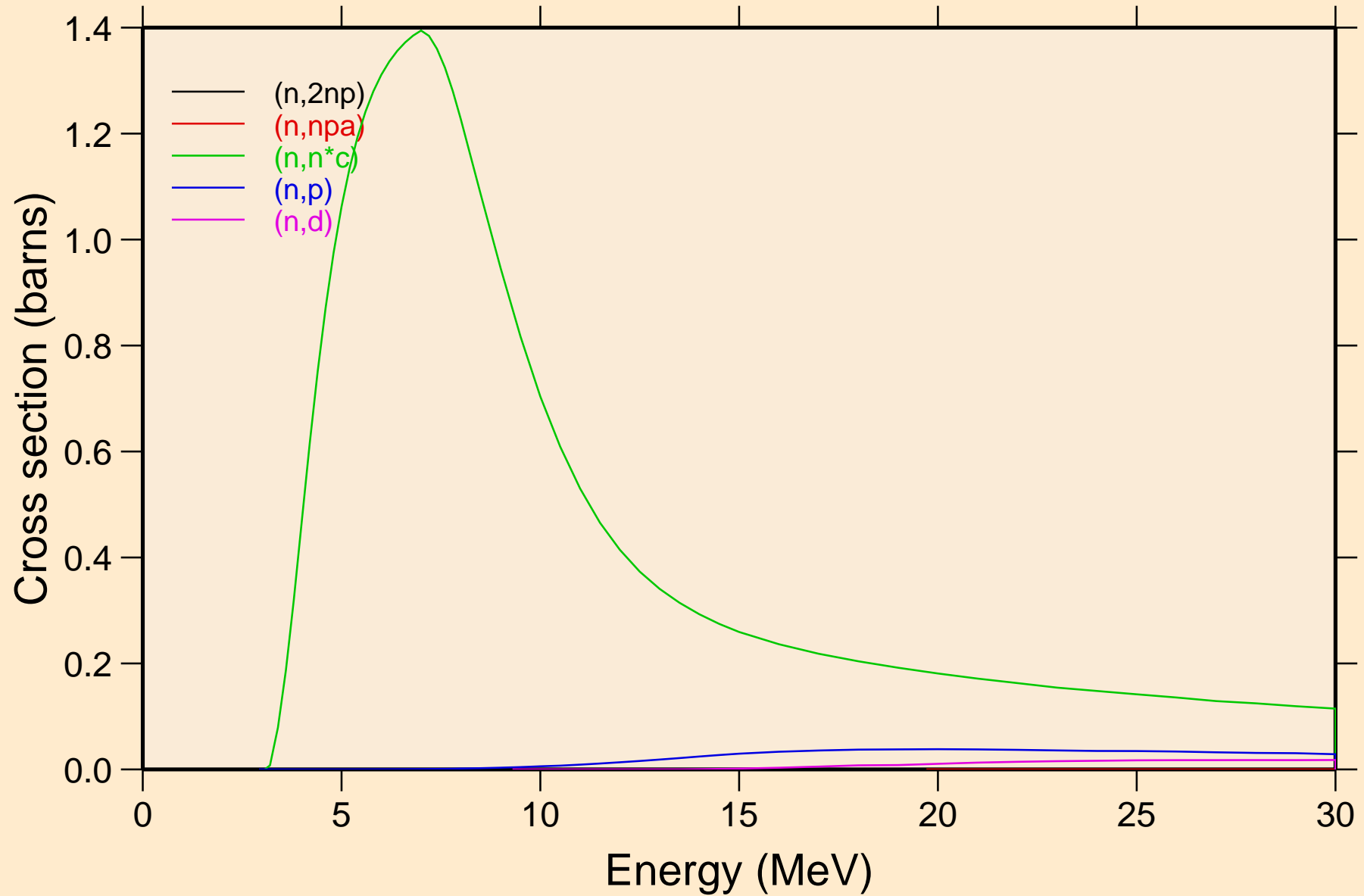


# NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K

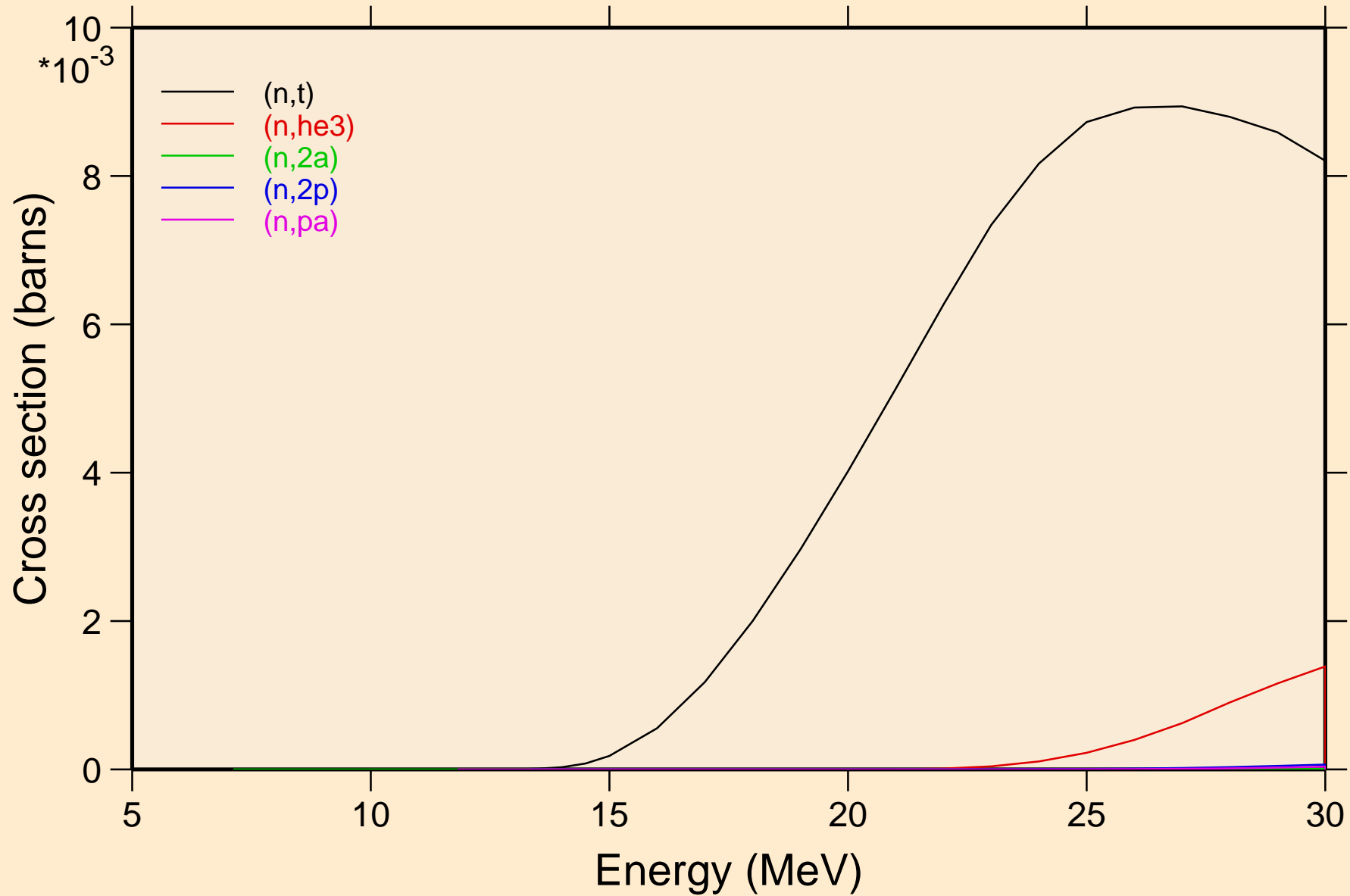
## Threshold reactions



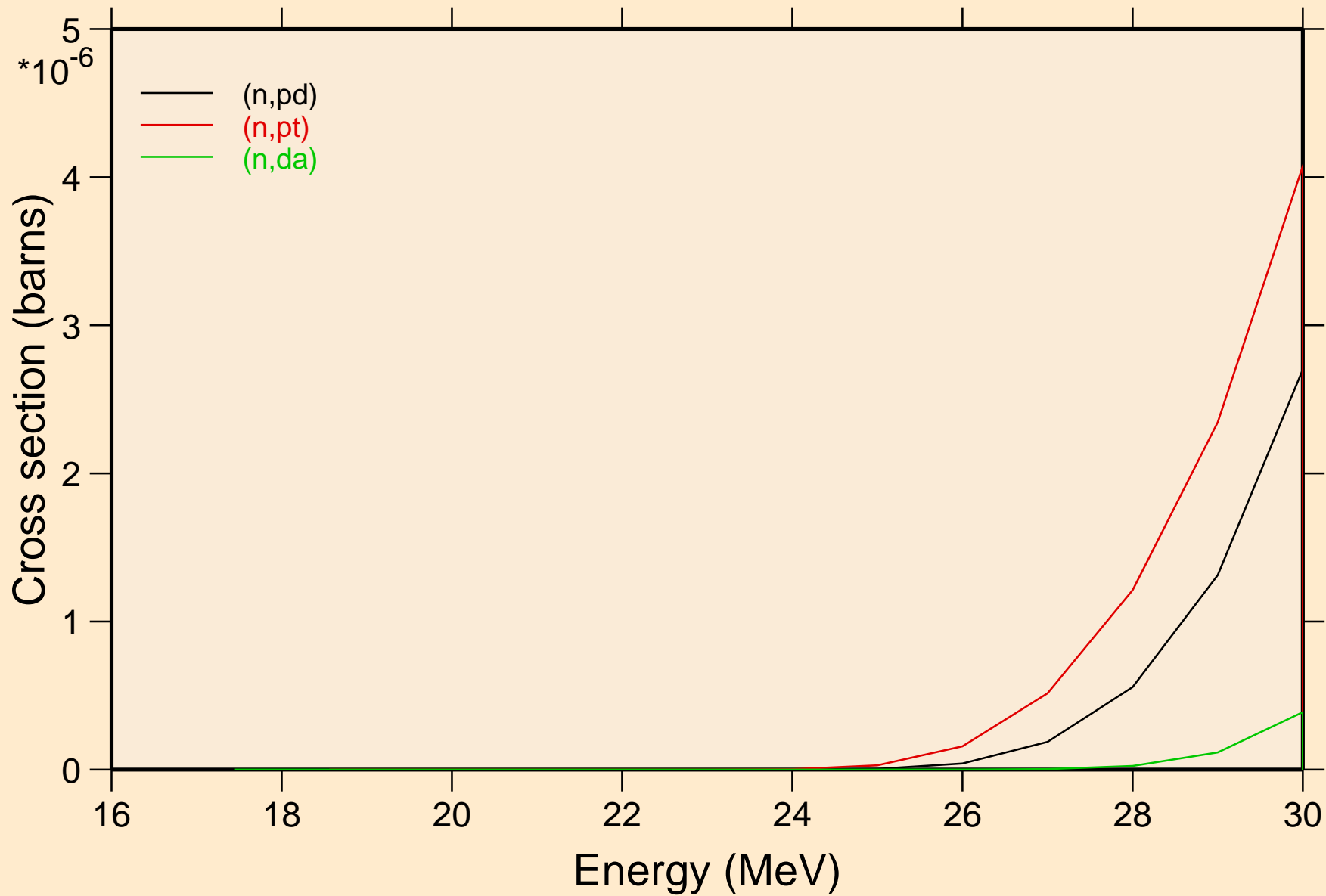
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



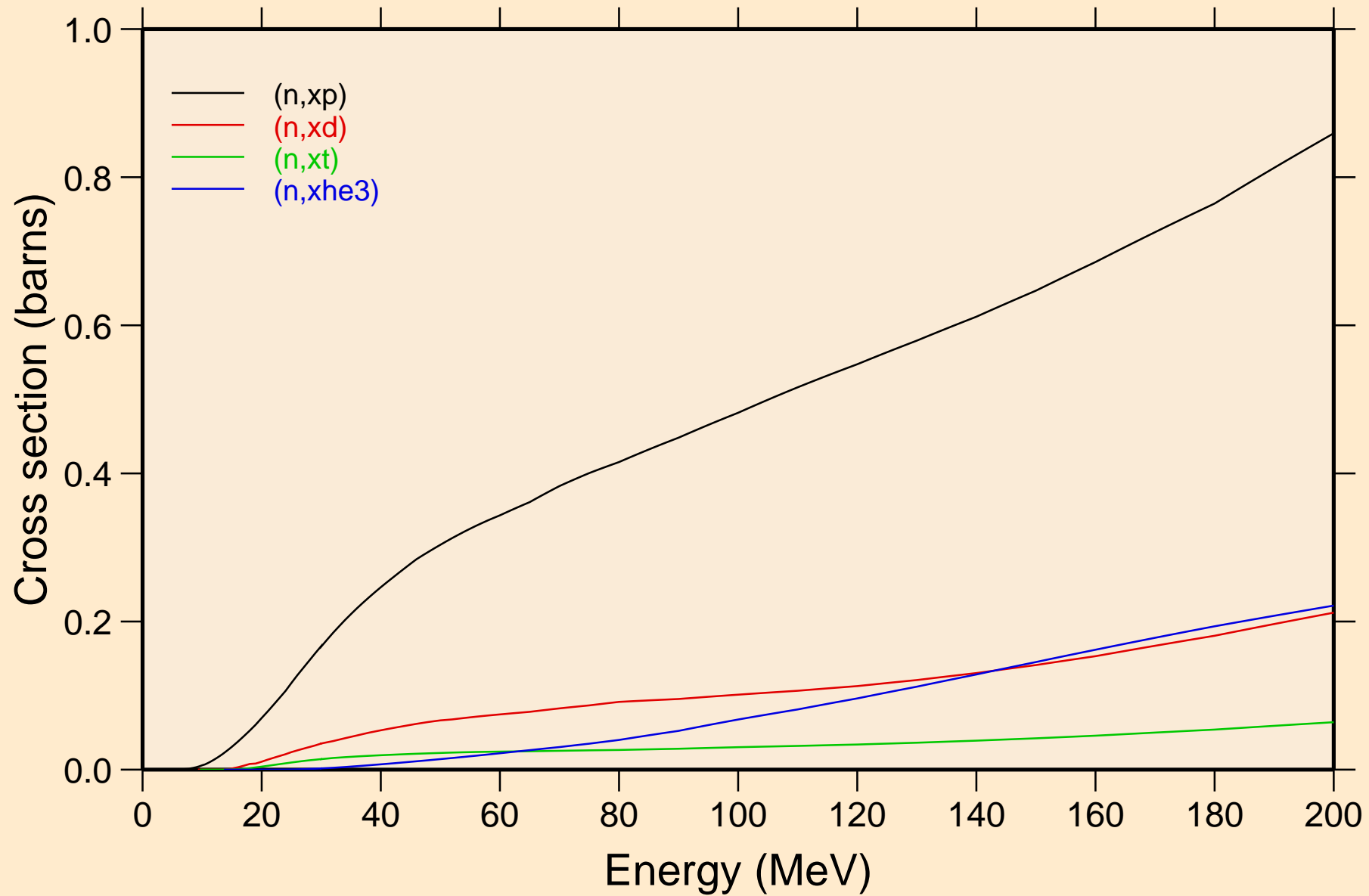
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



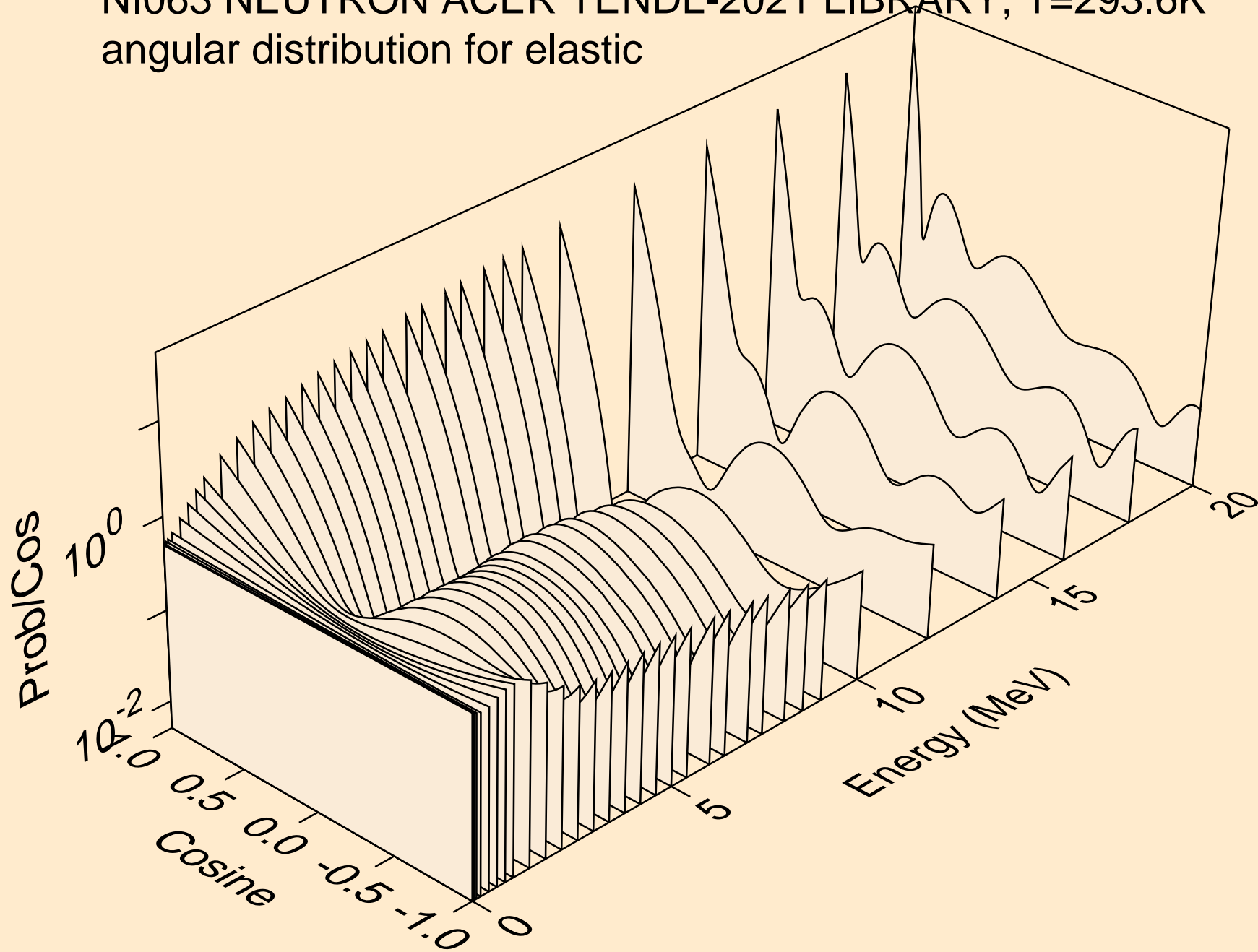
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



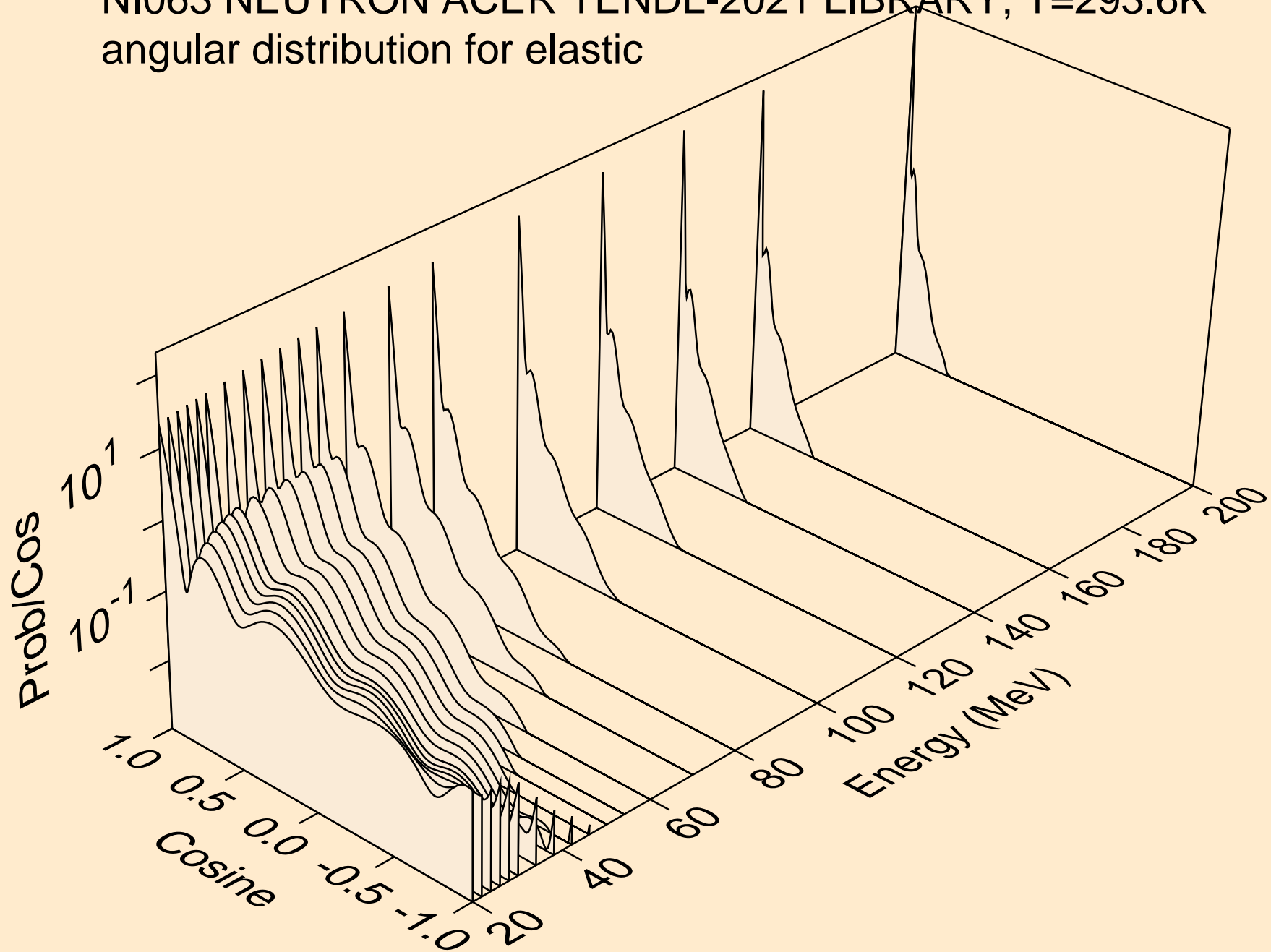
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Threshold reactions



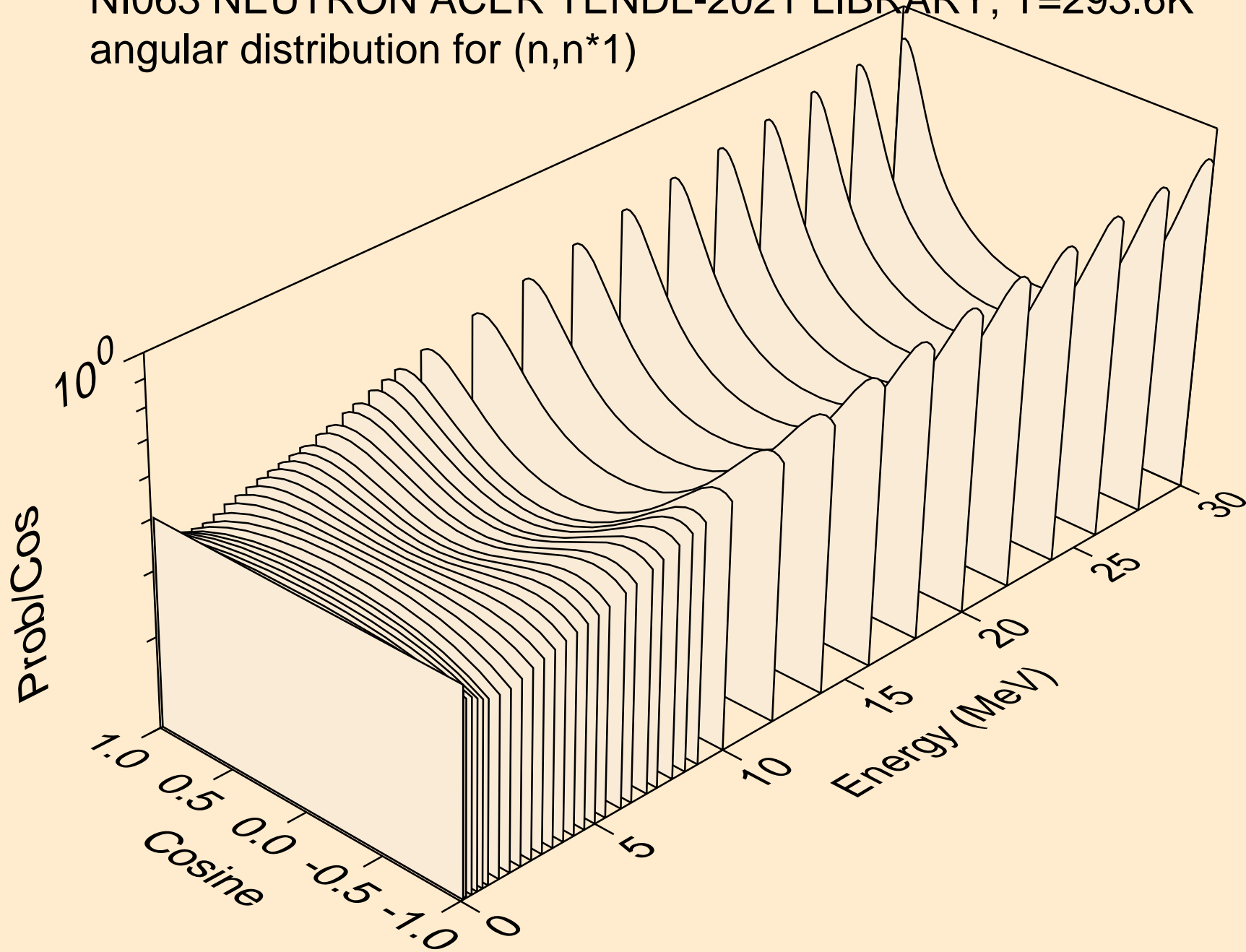
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic



NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for elastic

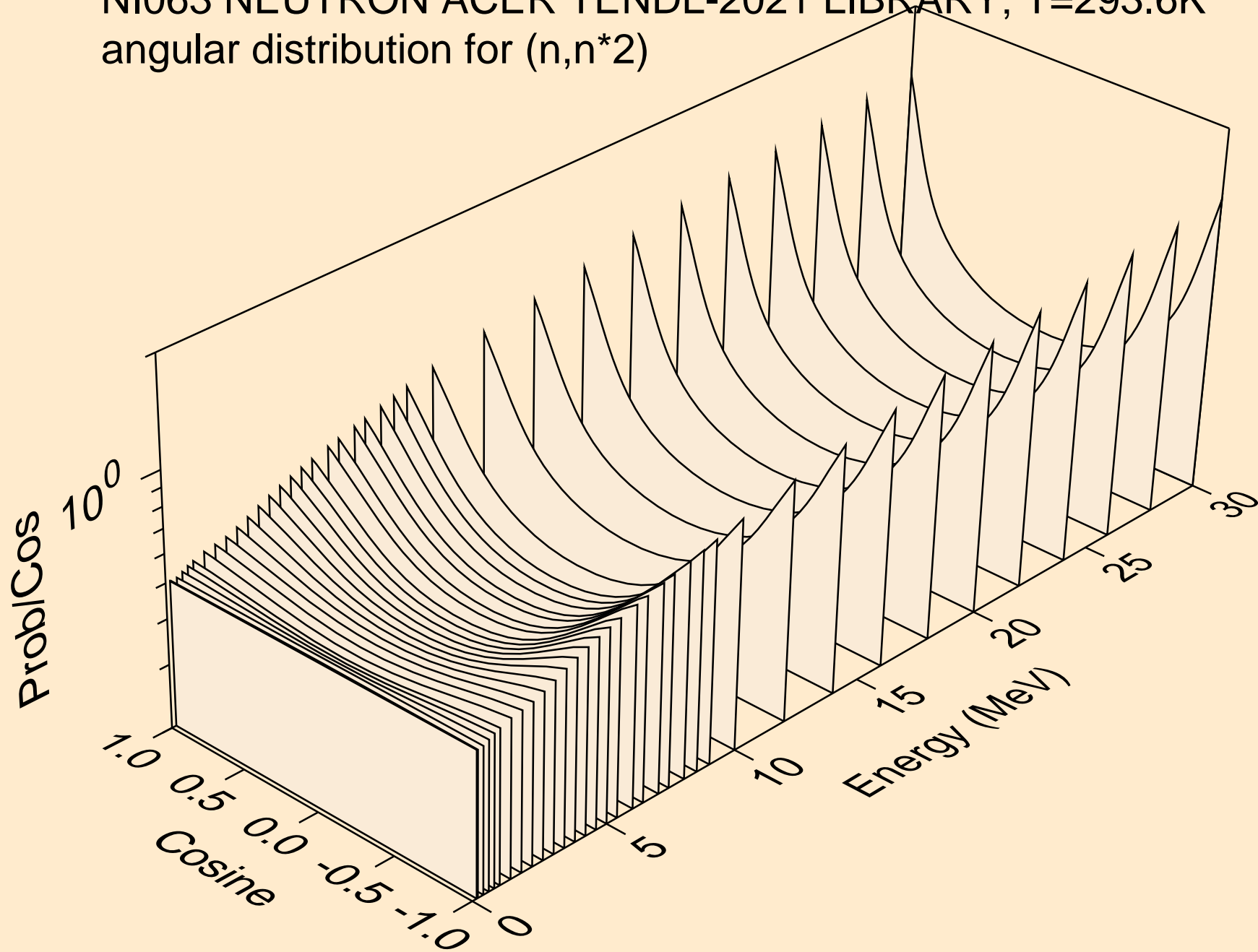


NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)

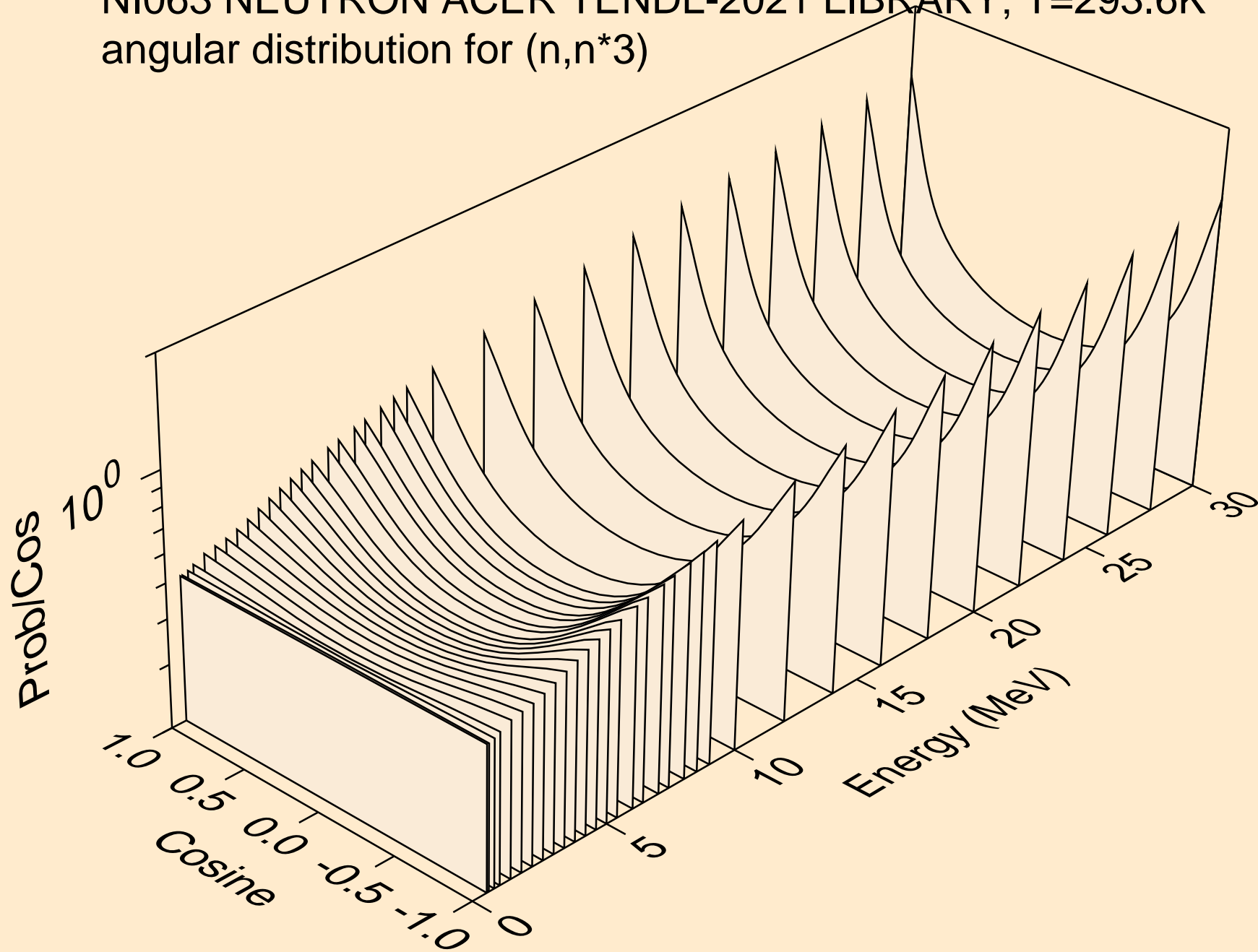




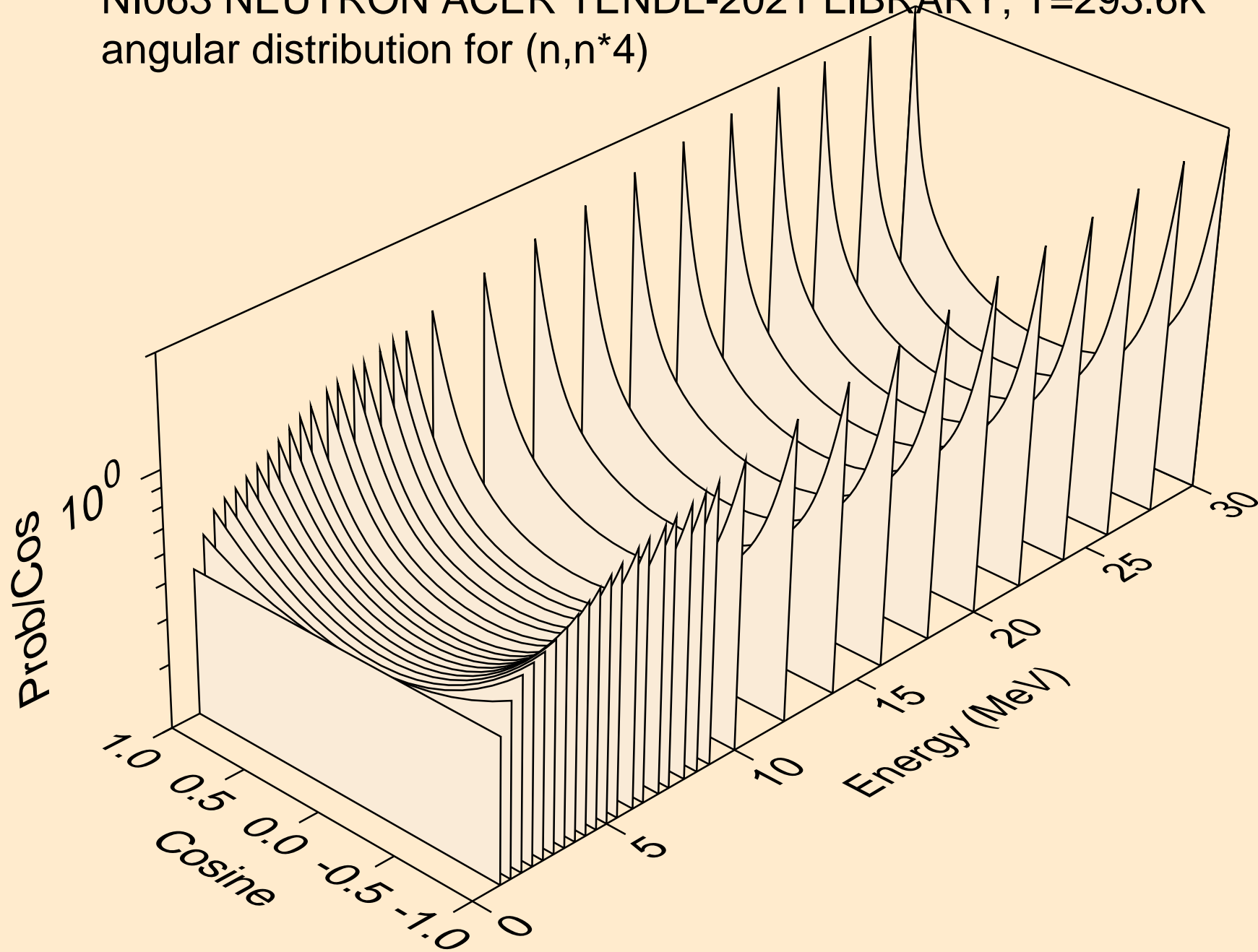
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



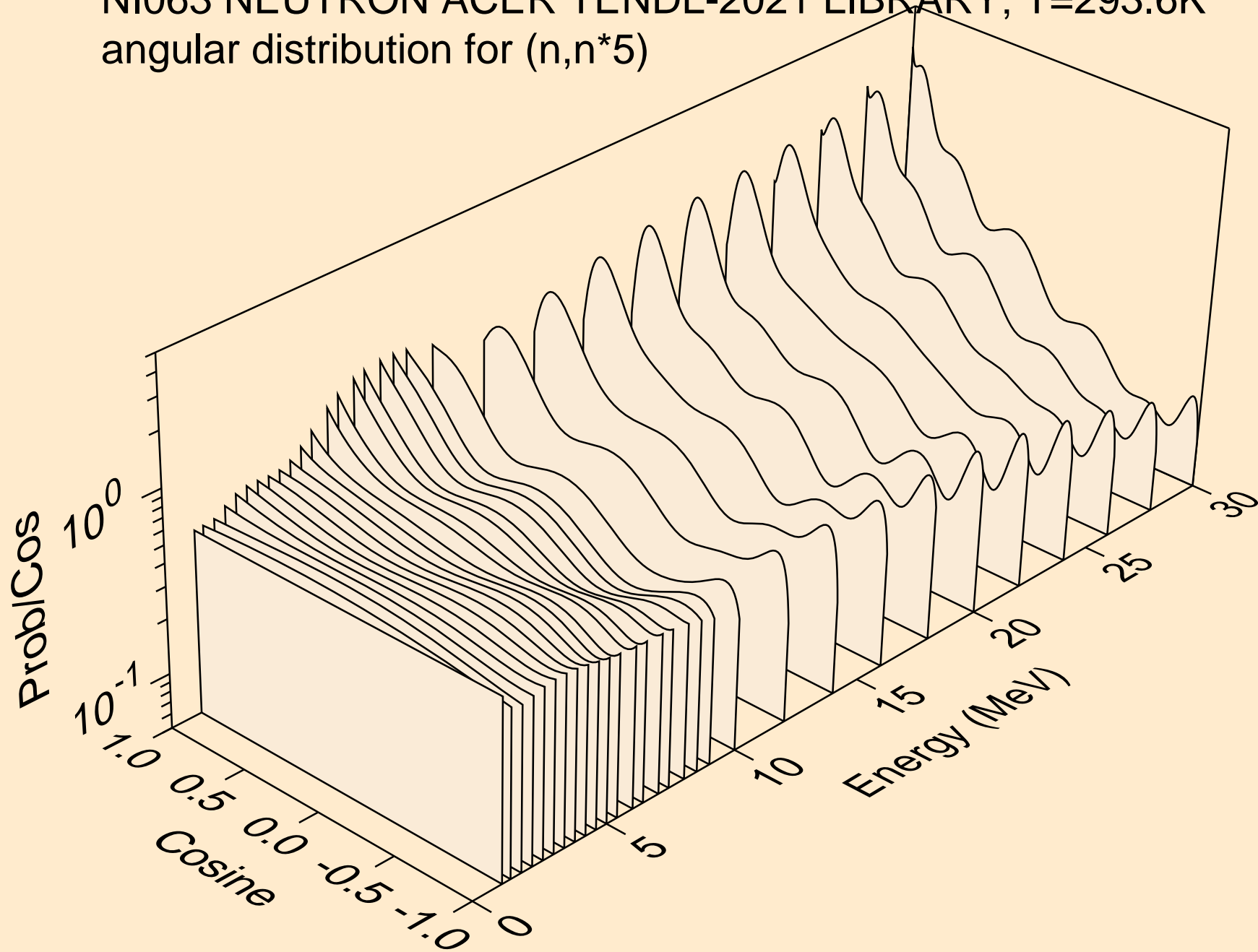
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)



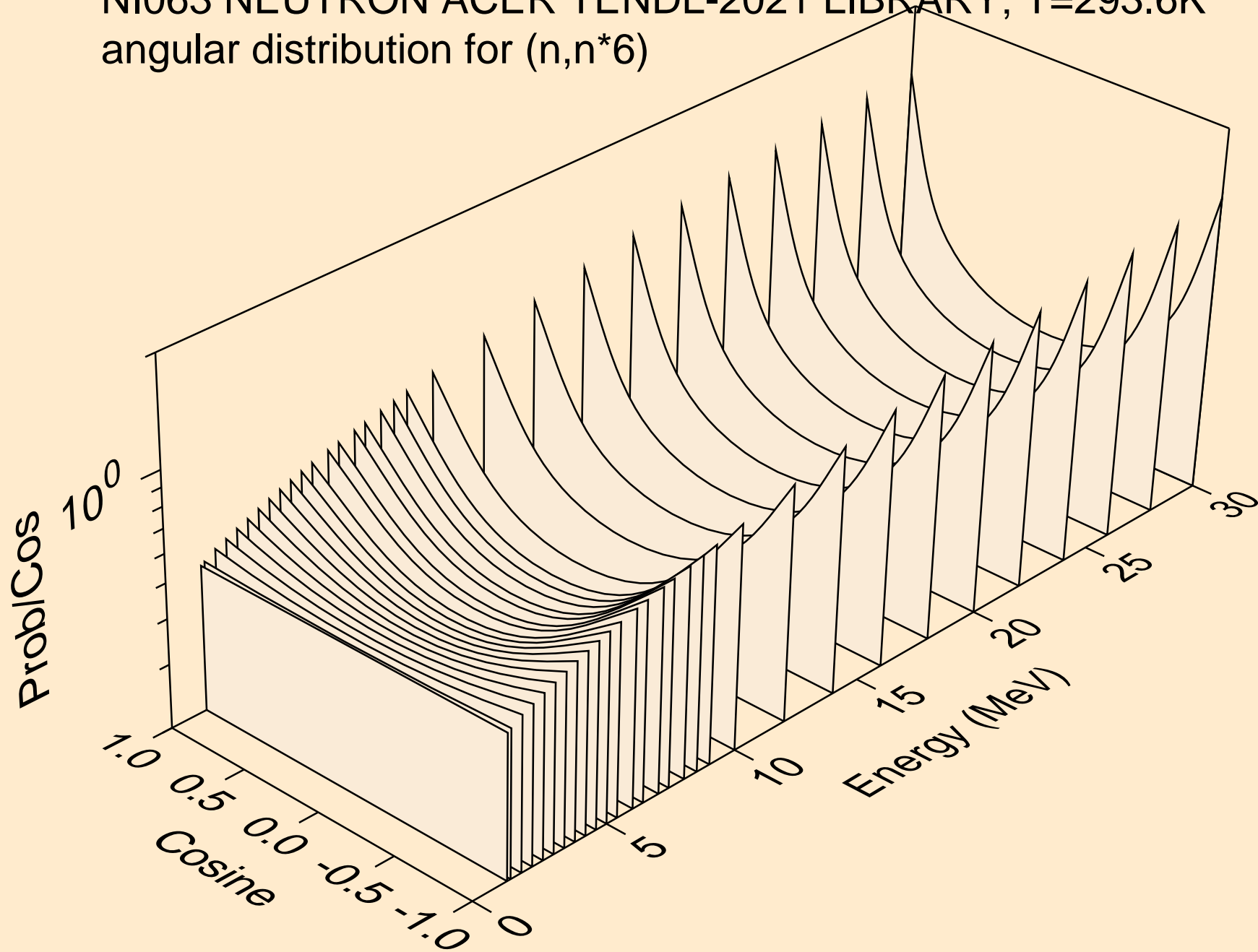
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*4)



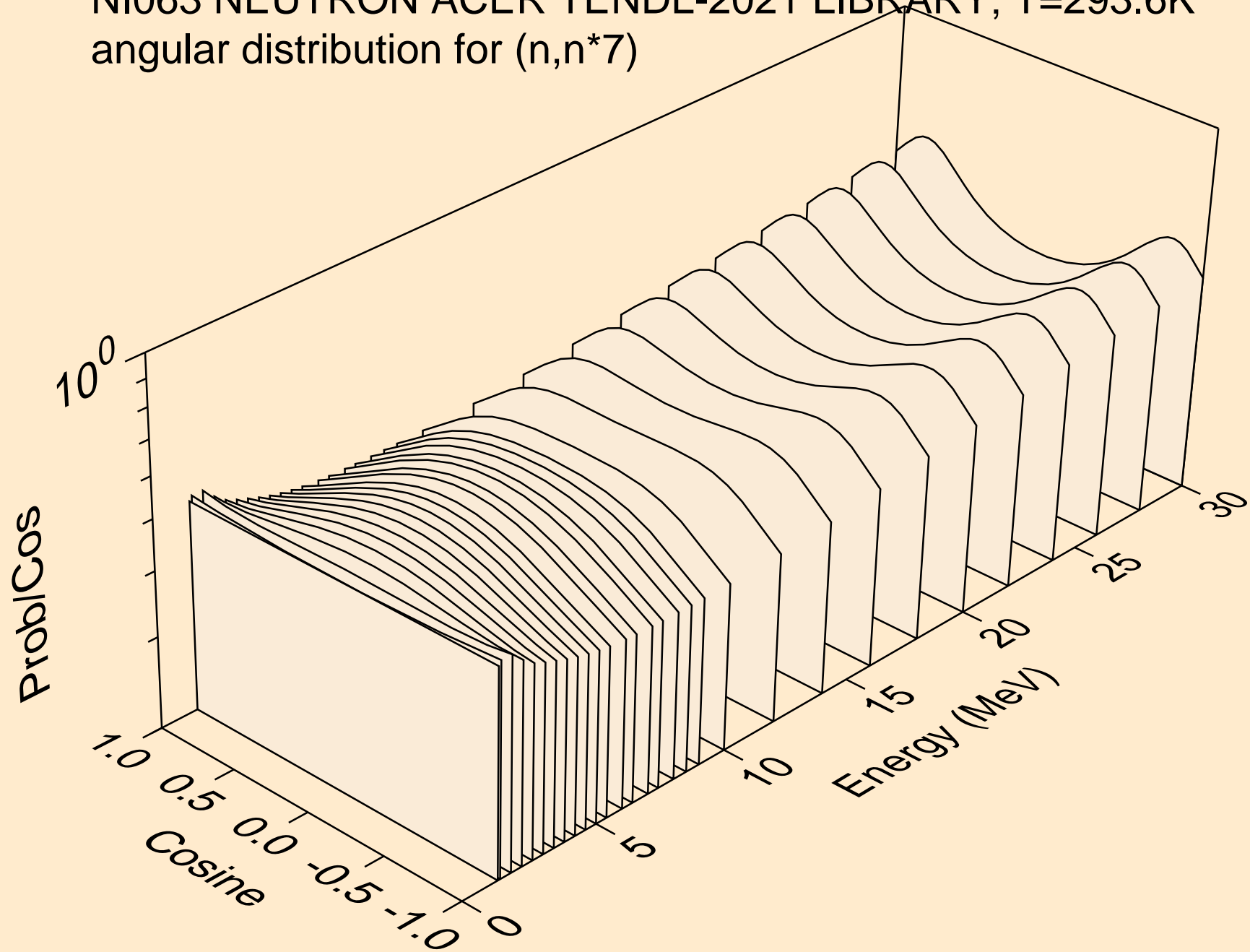
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)



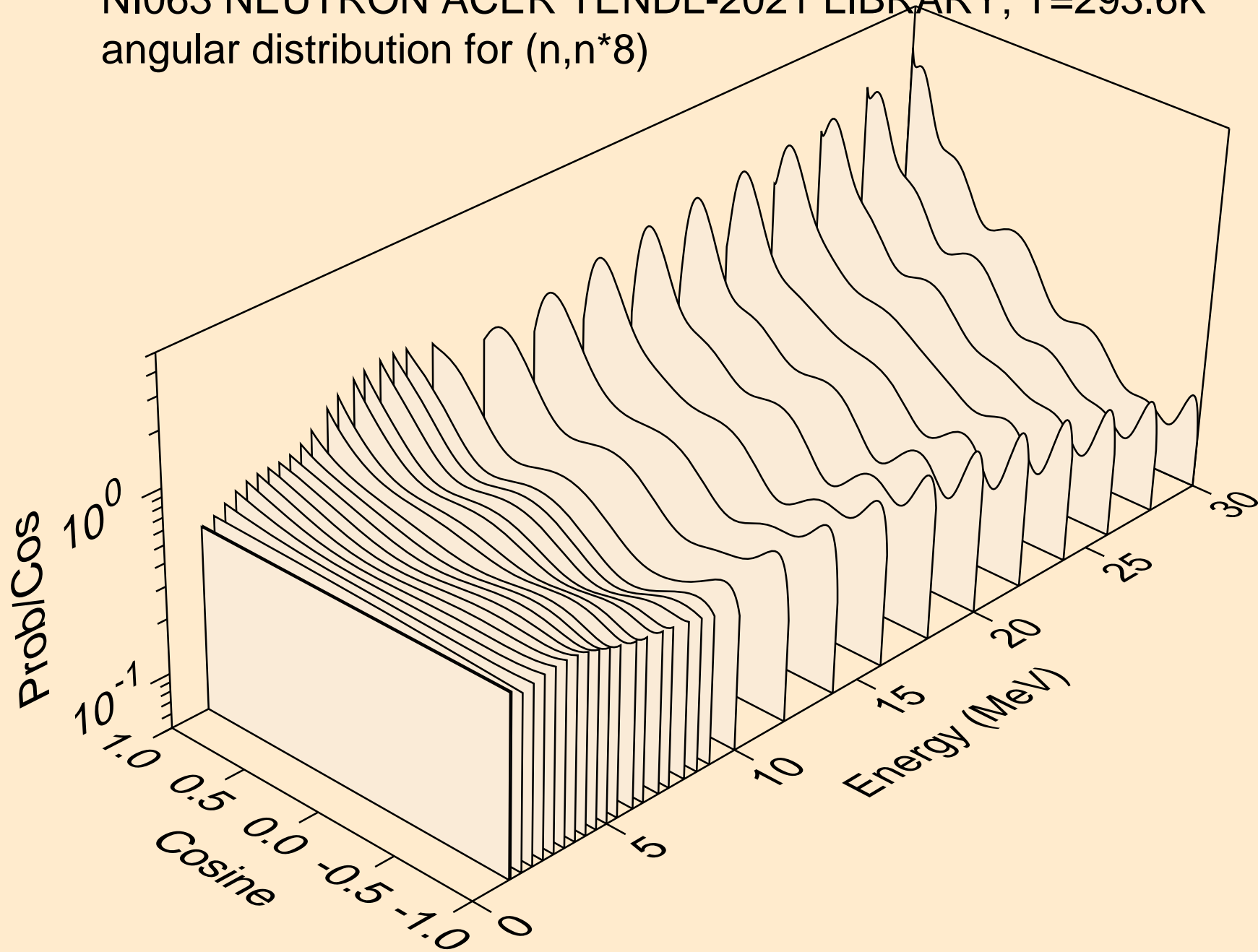
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)



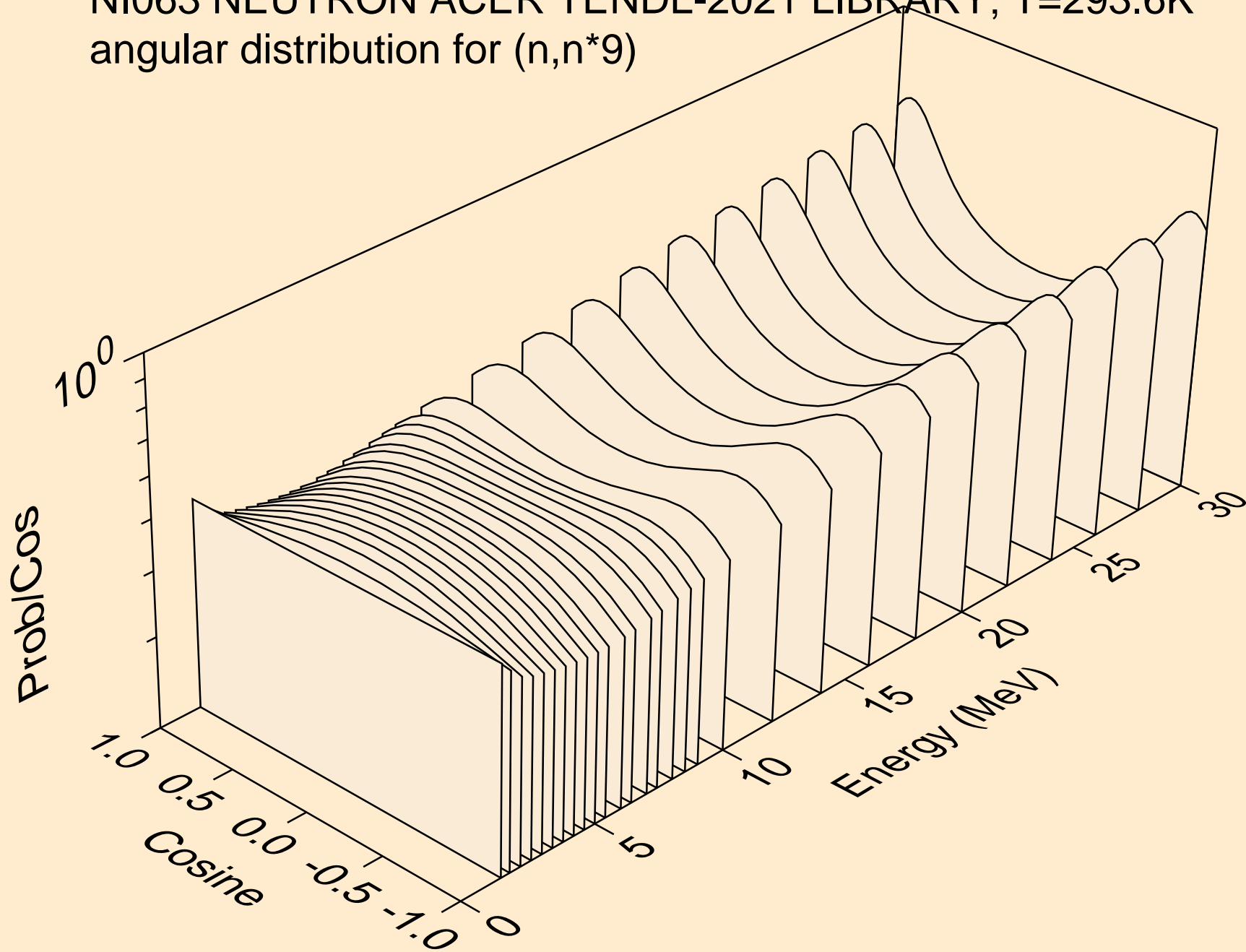
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)



NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)

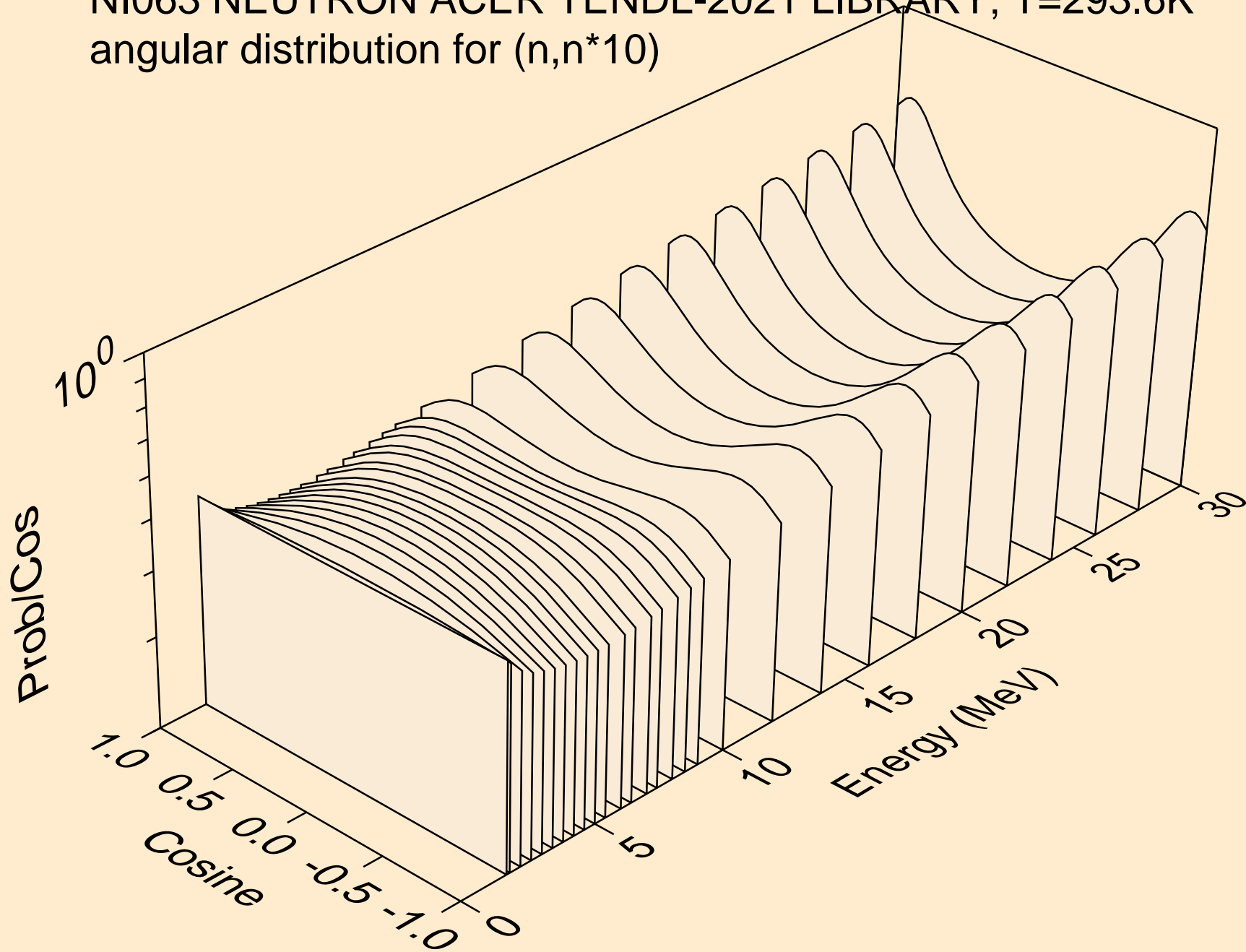


NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)

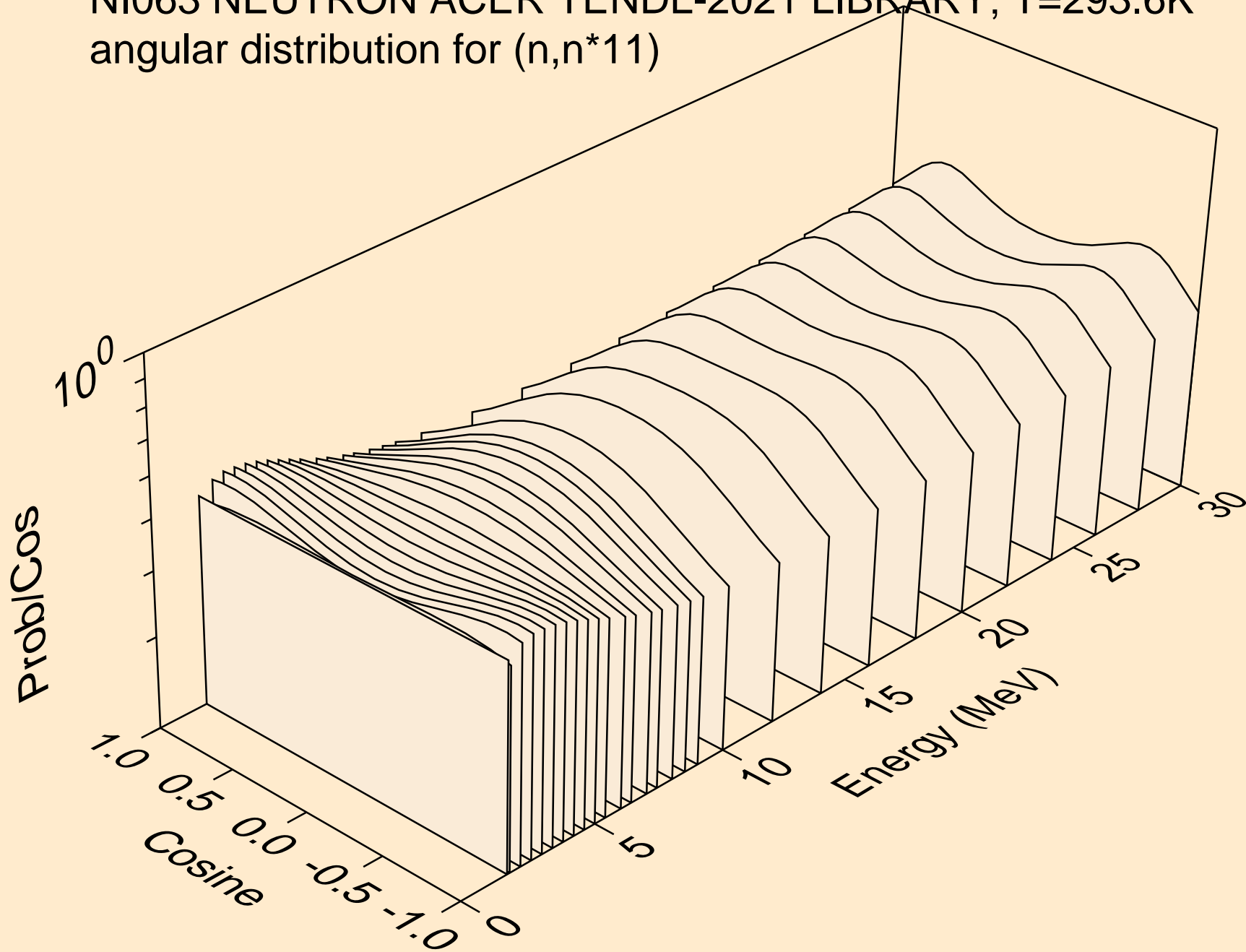




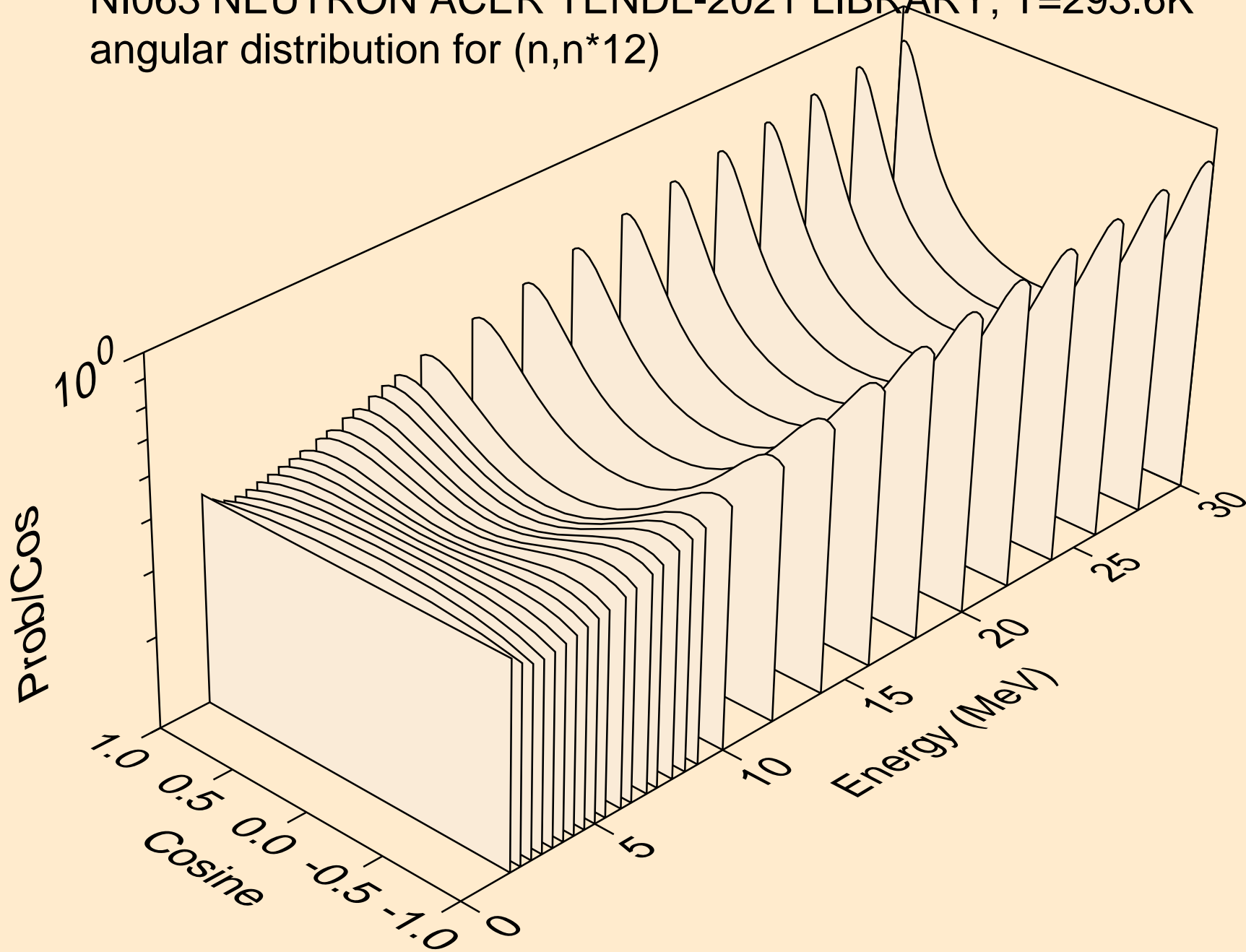
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*10)



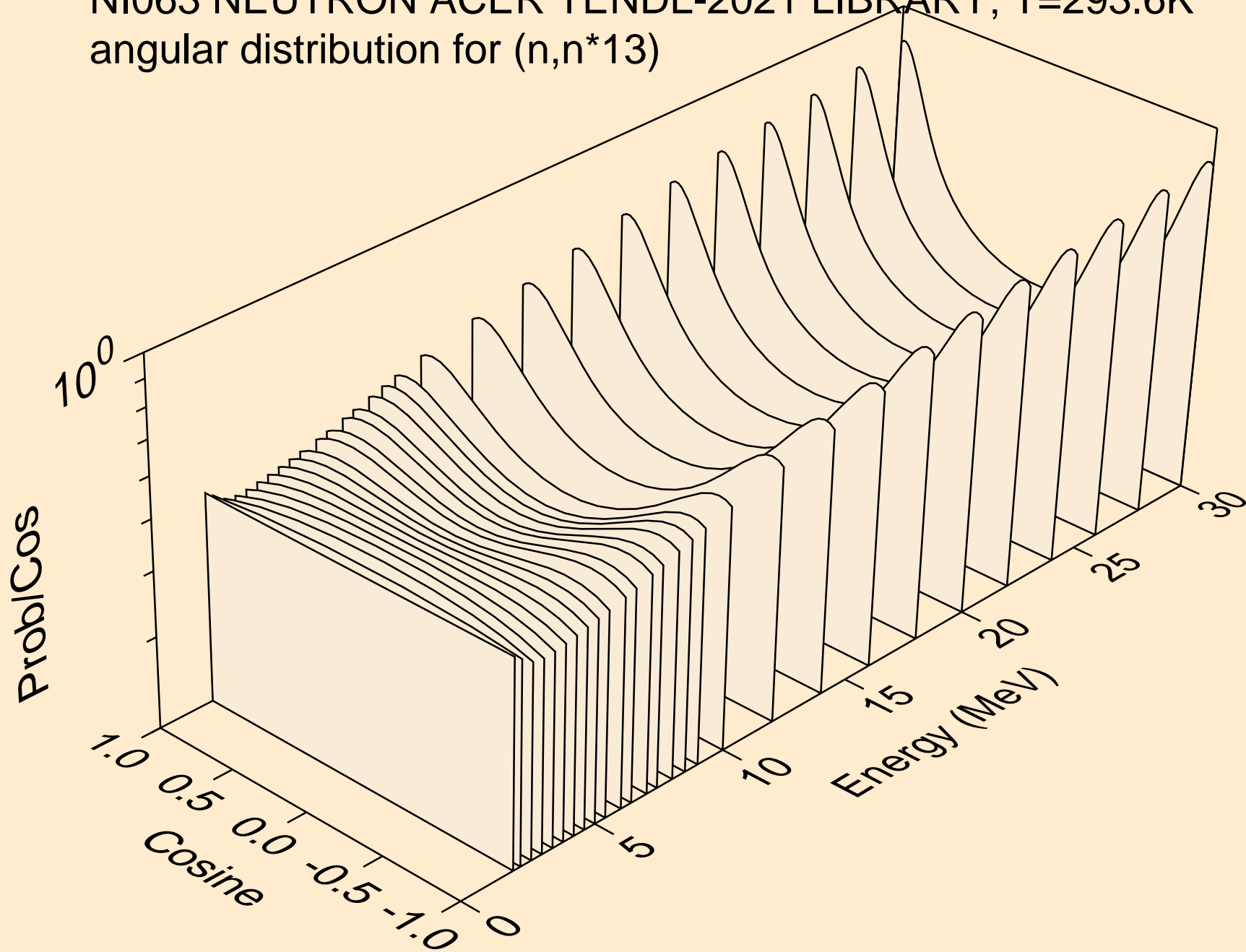
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*11)



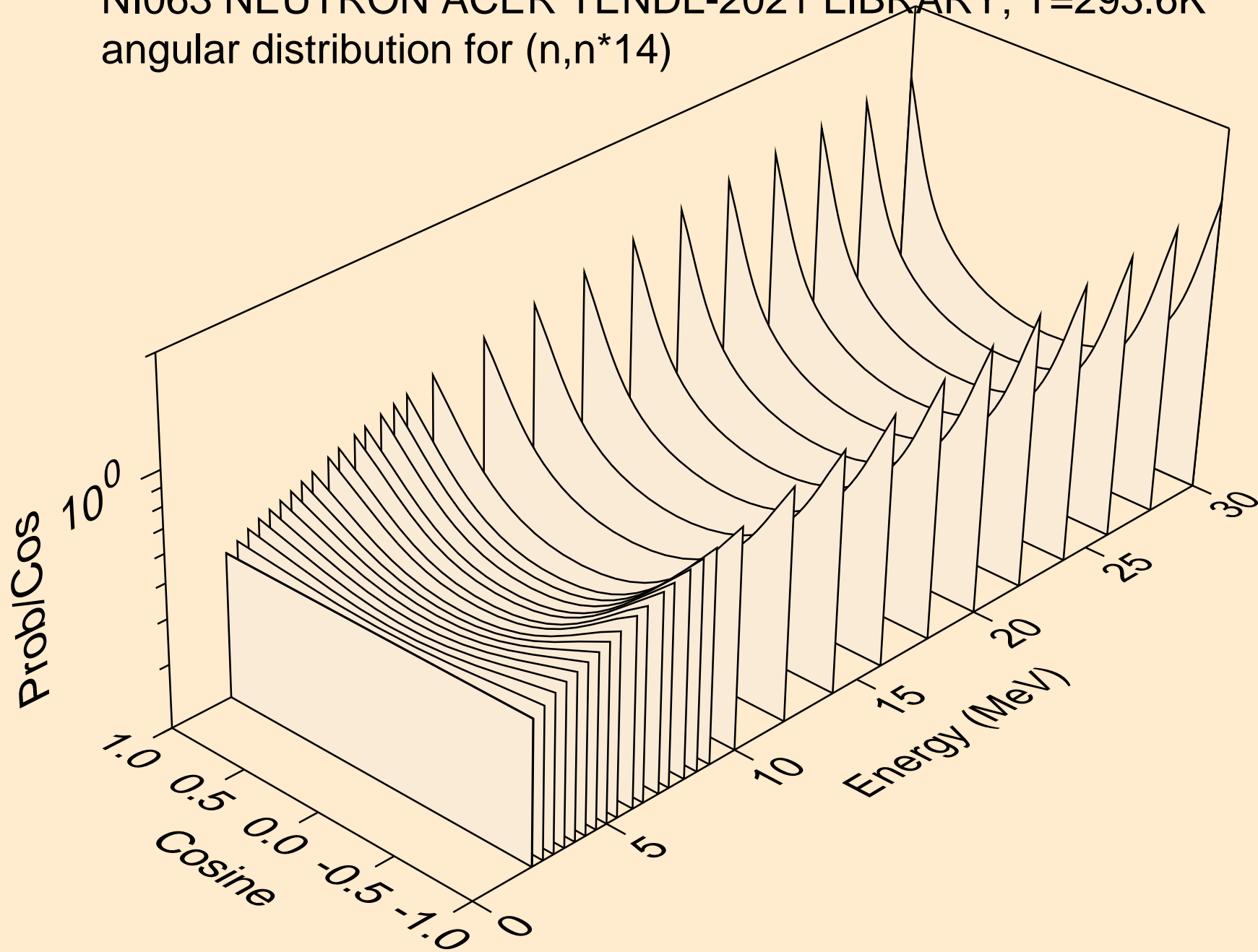
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*12)



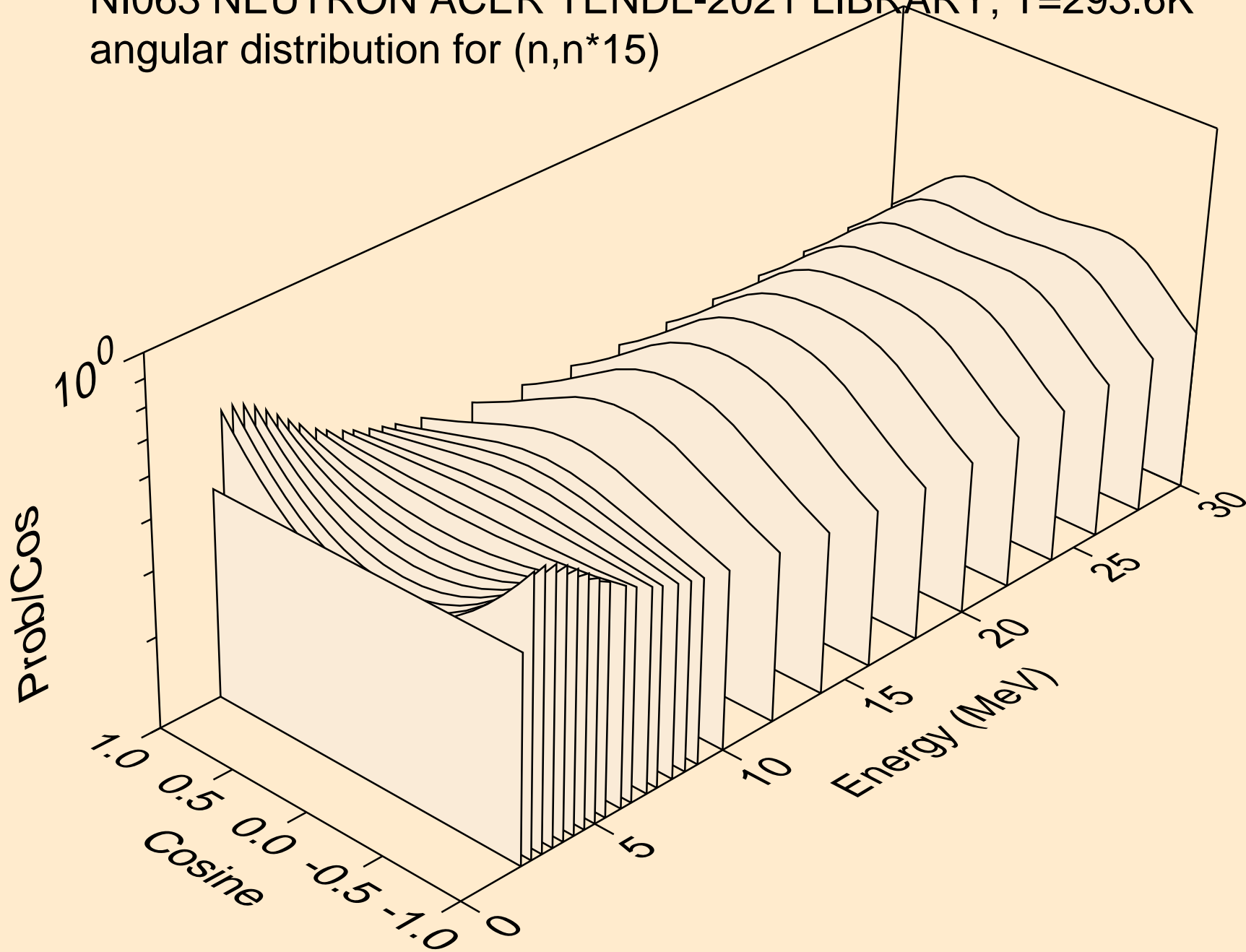
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*13)



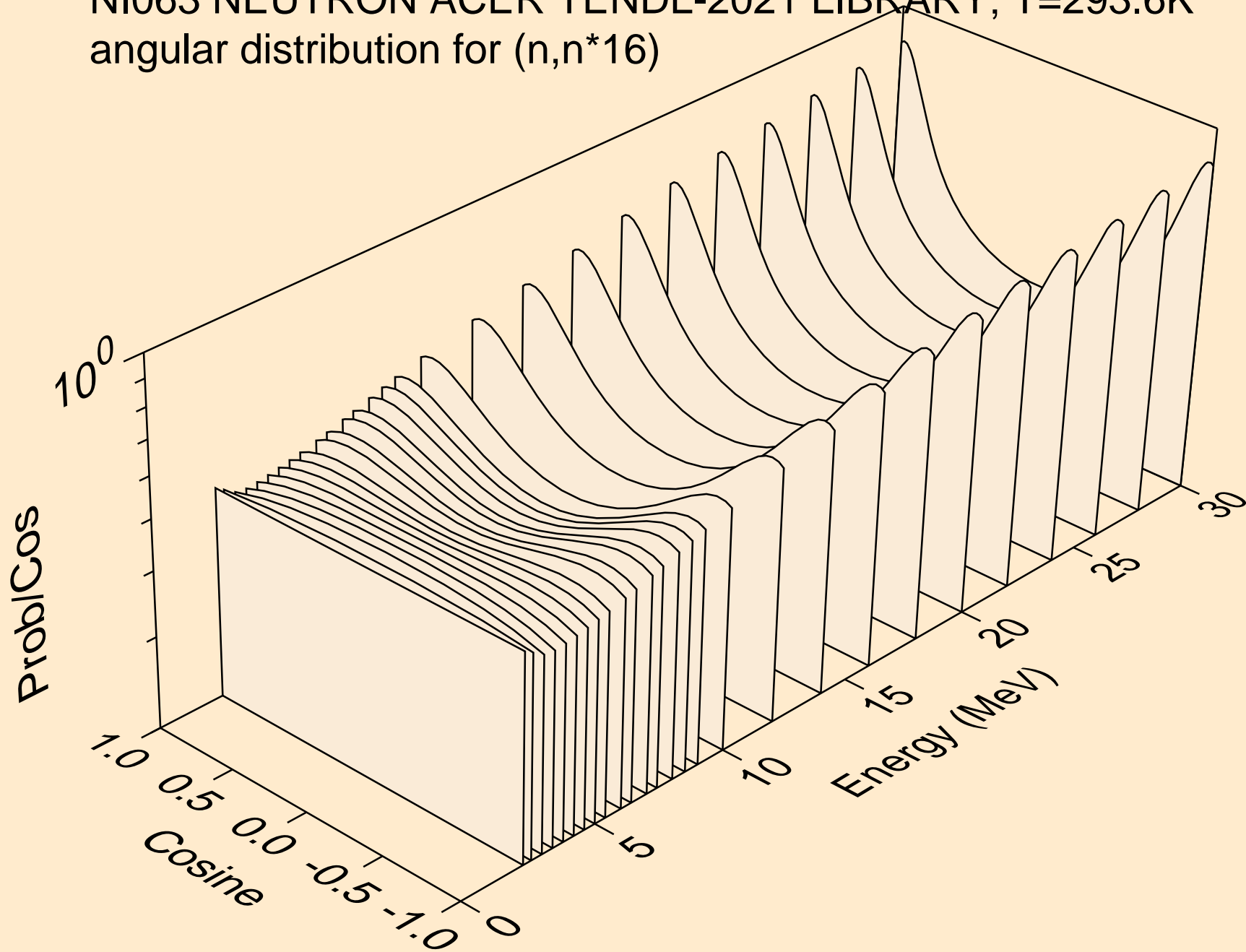
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*14)



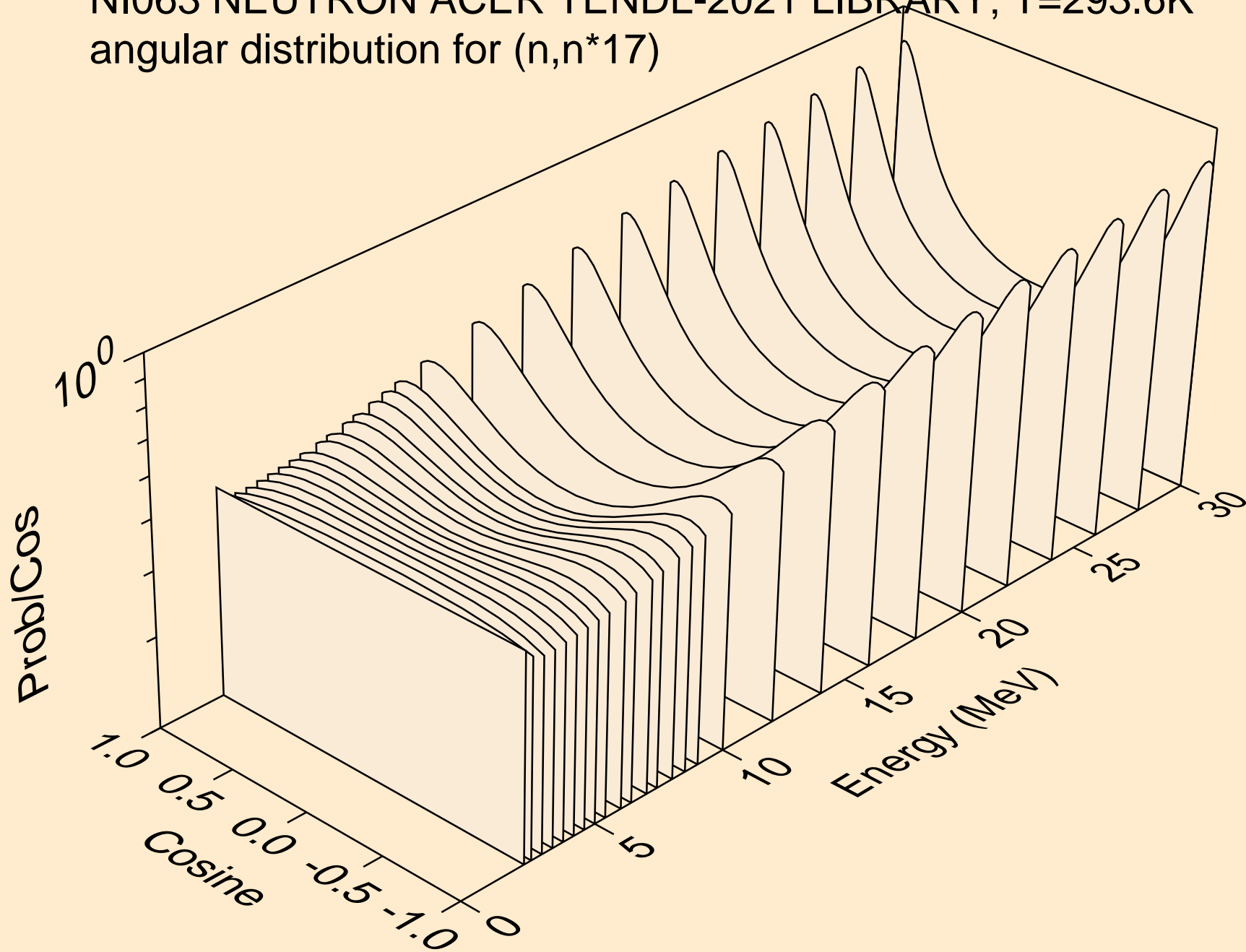
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*15)



NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*16)

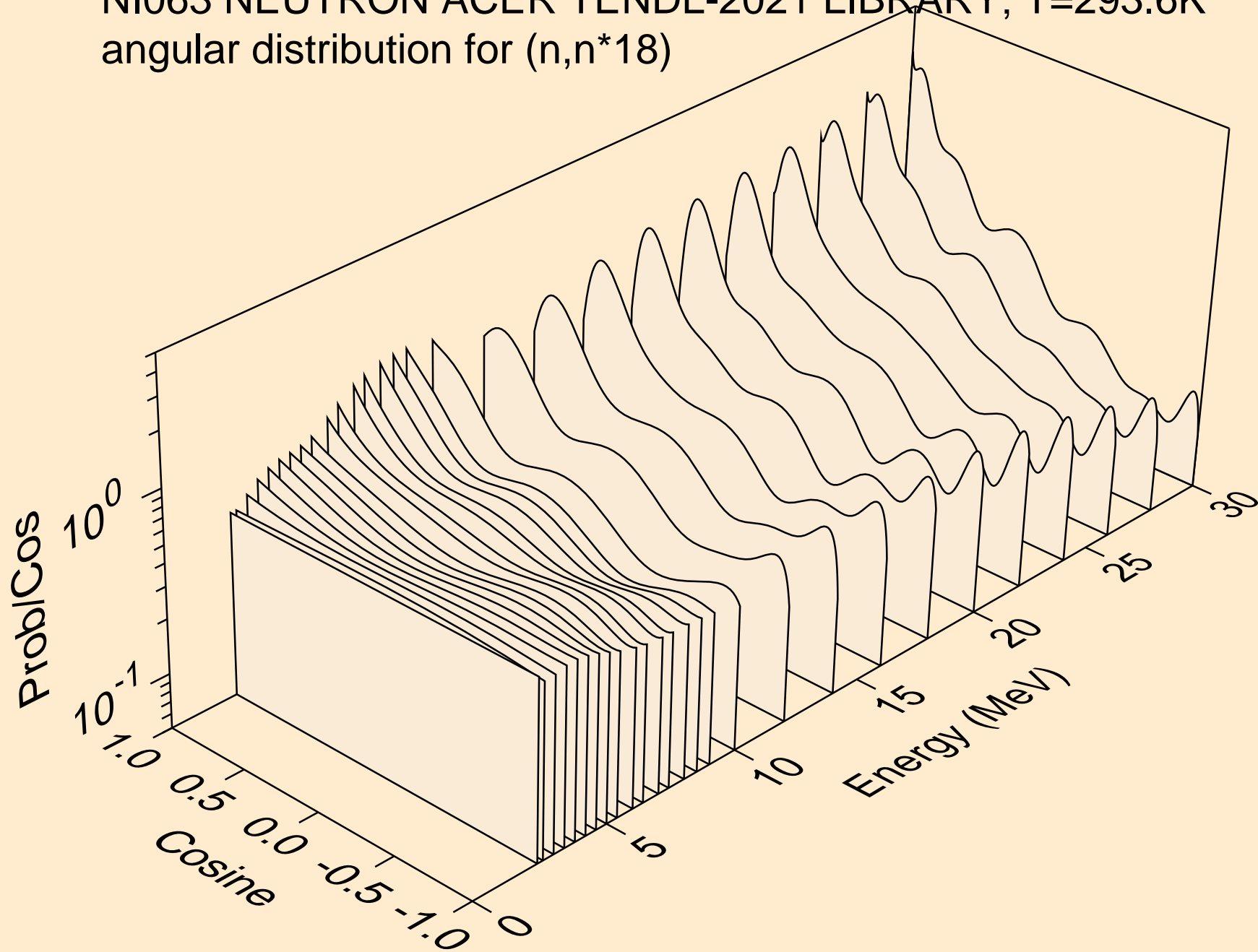


NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*17)

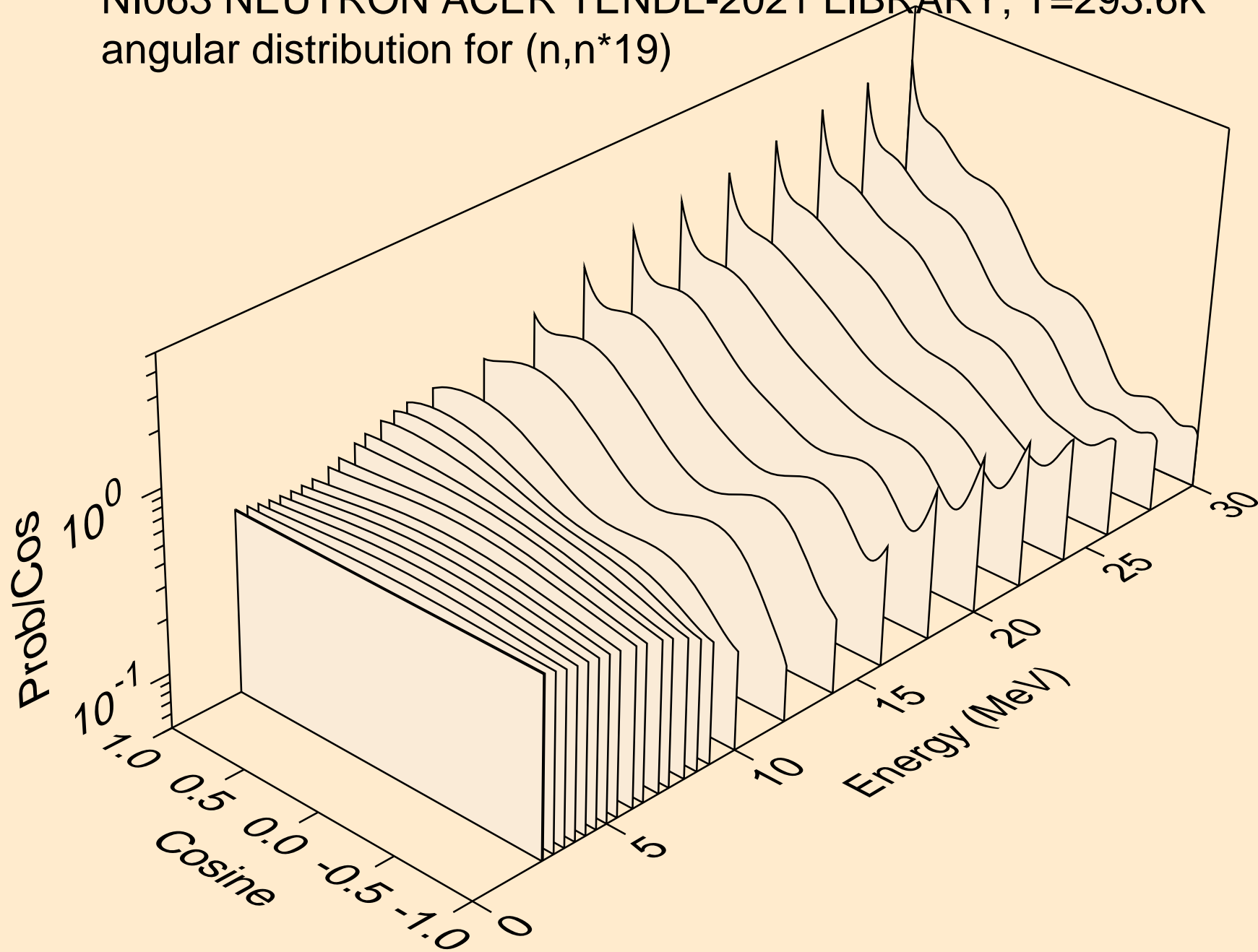




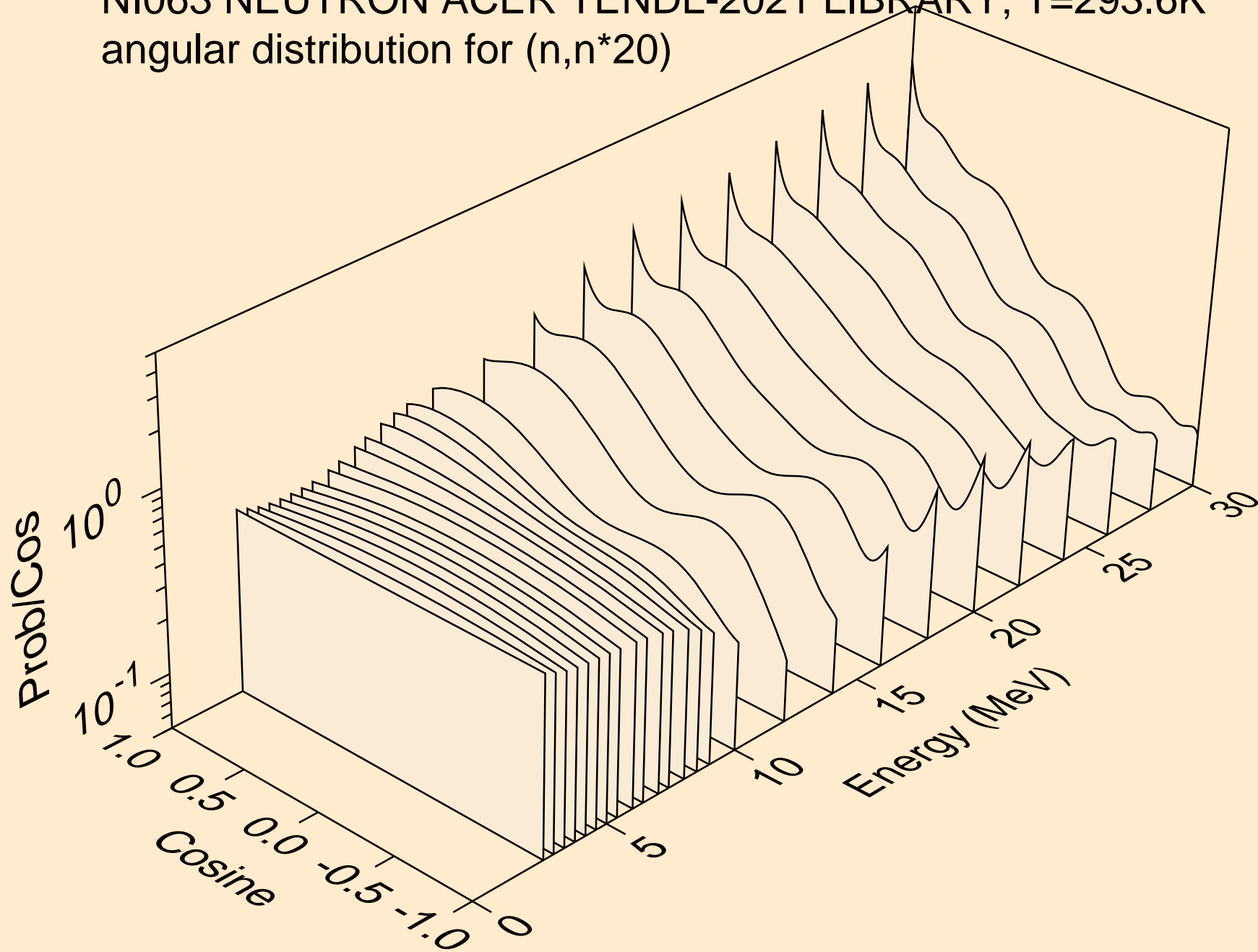
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*18)



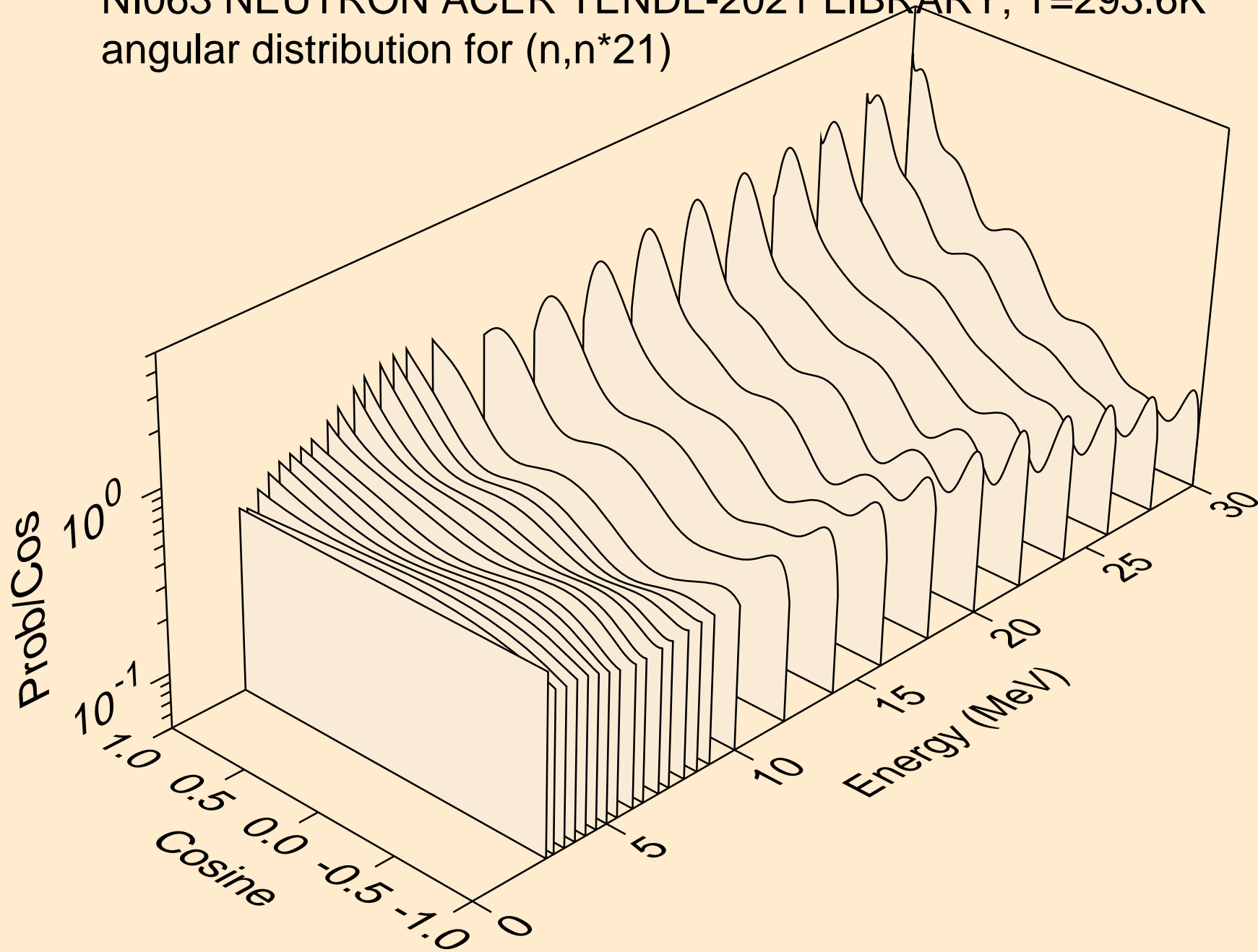
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*19)



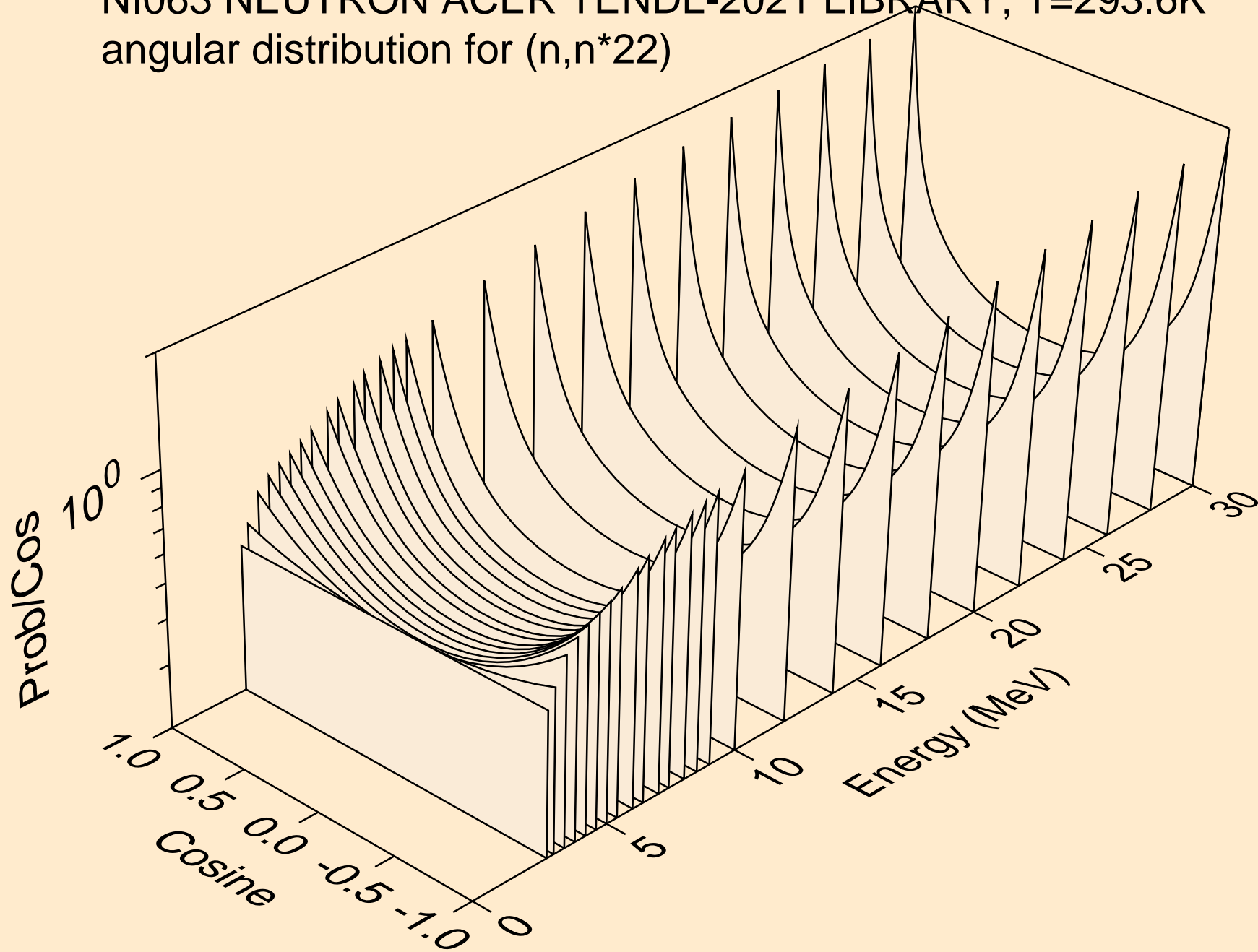
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*20)



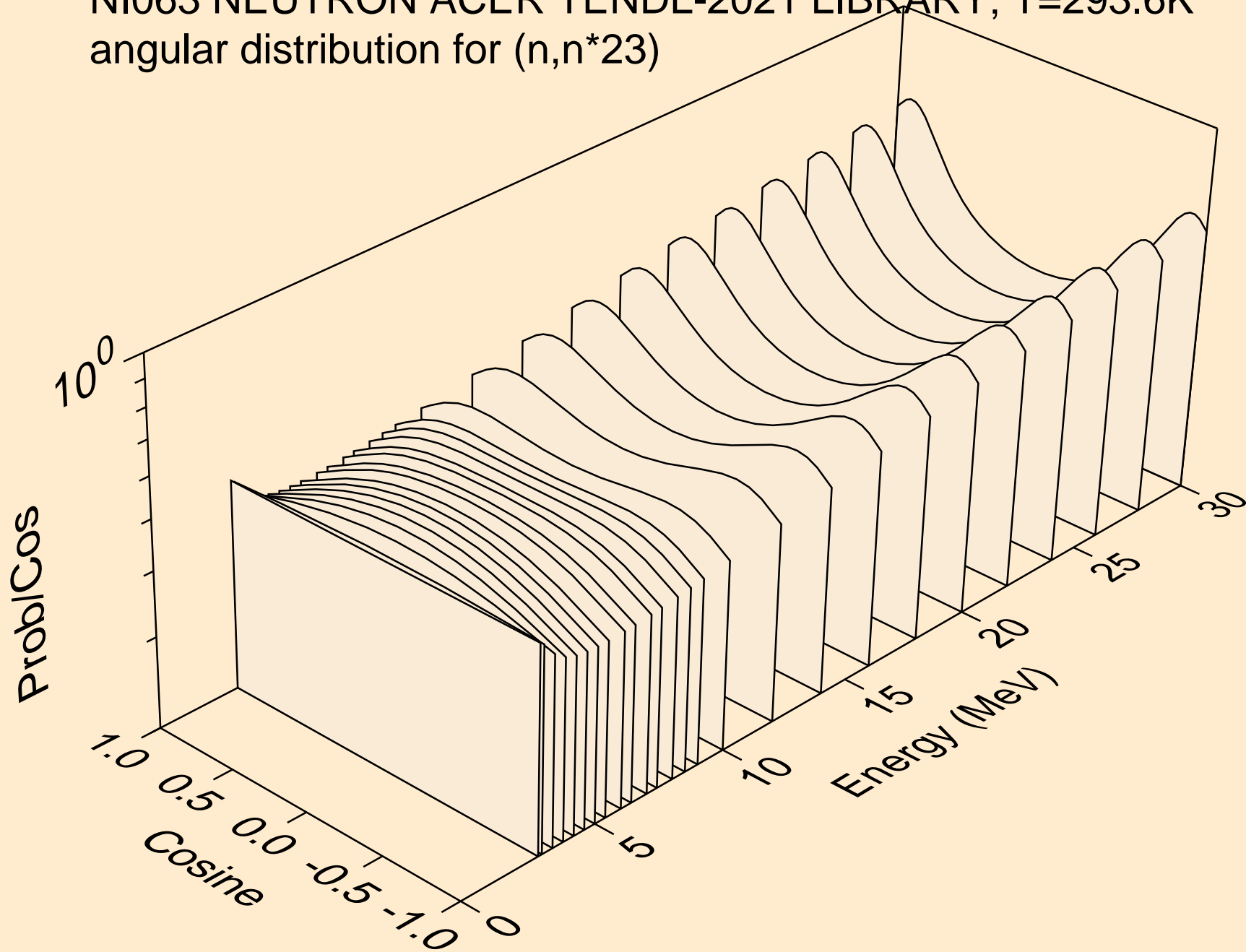
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*21)



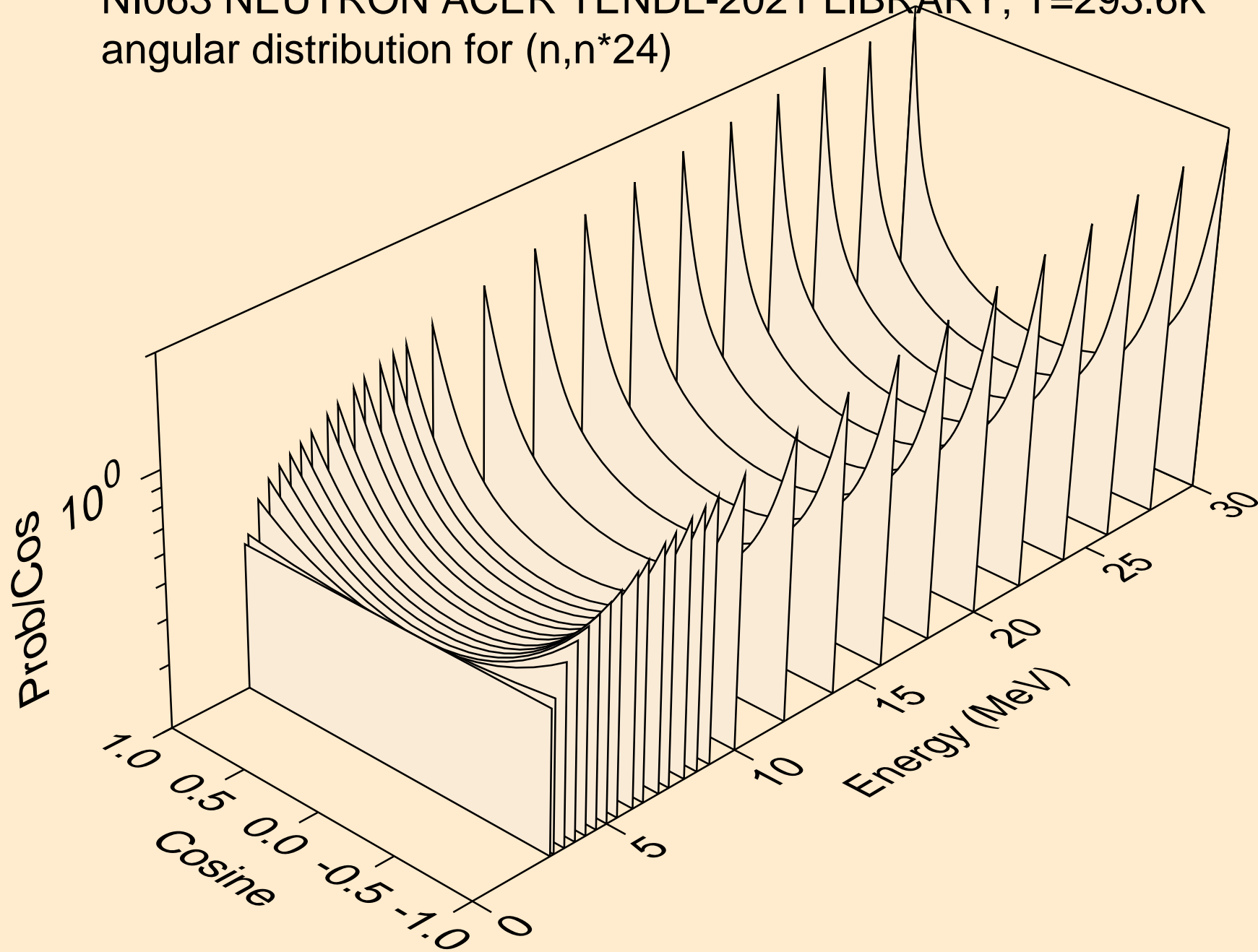
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*22)



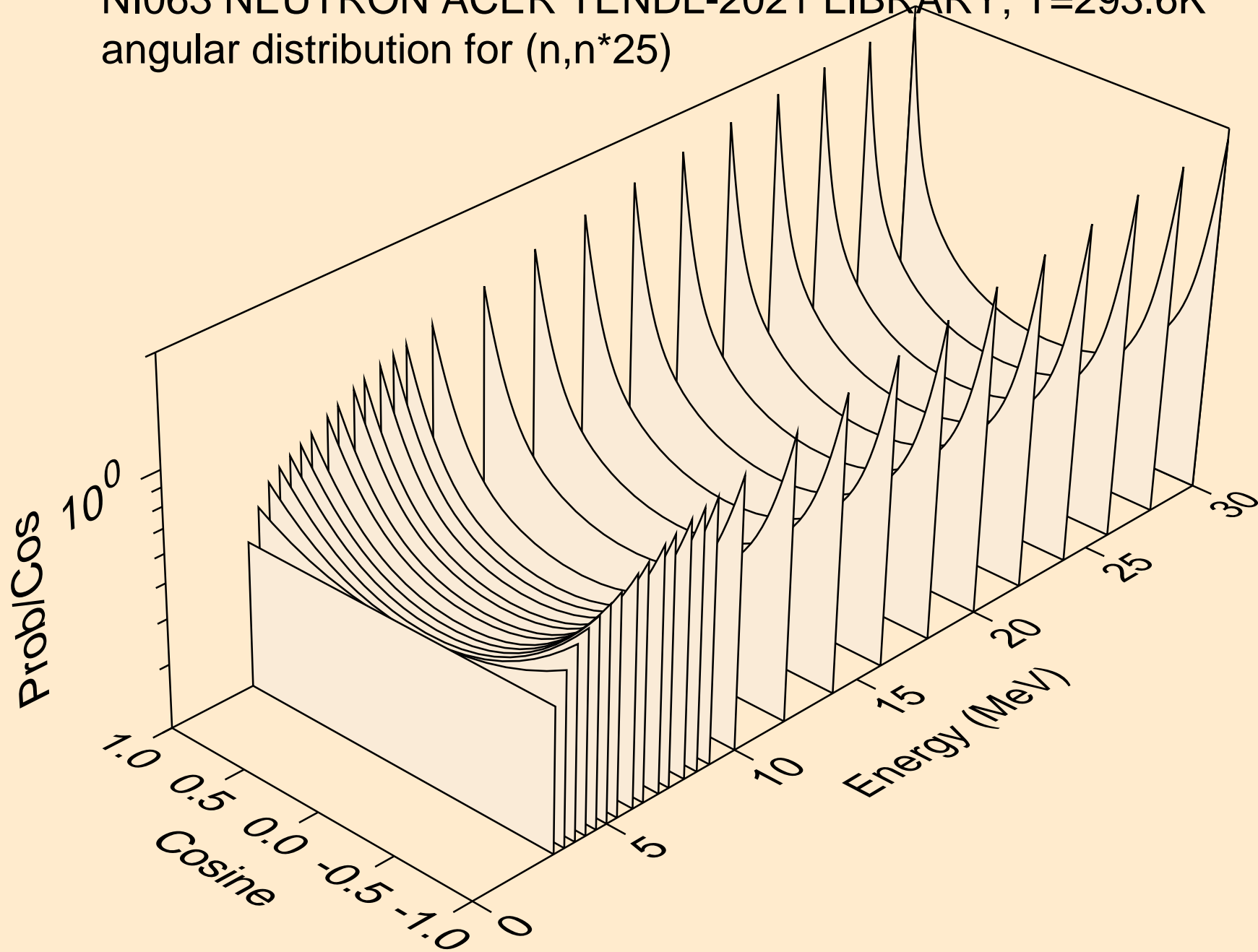
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*23)



NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*24)

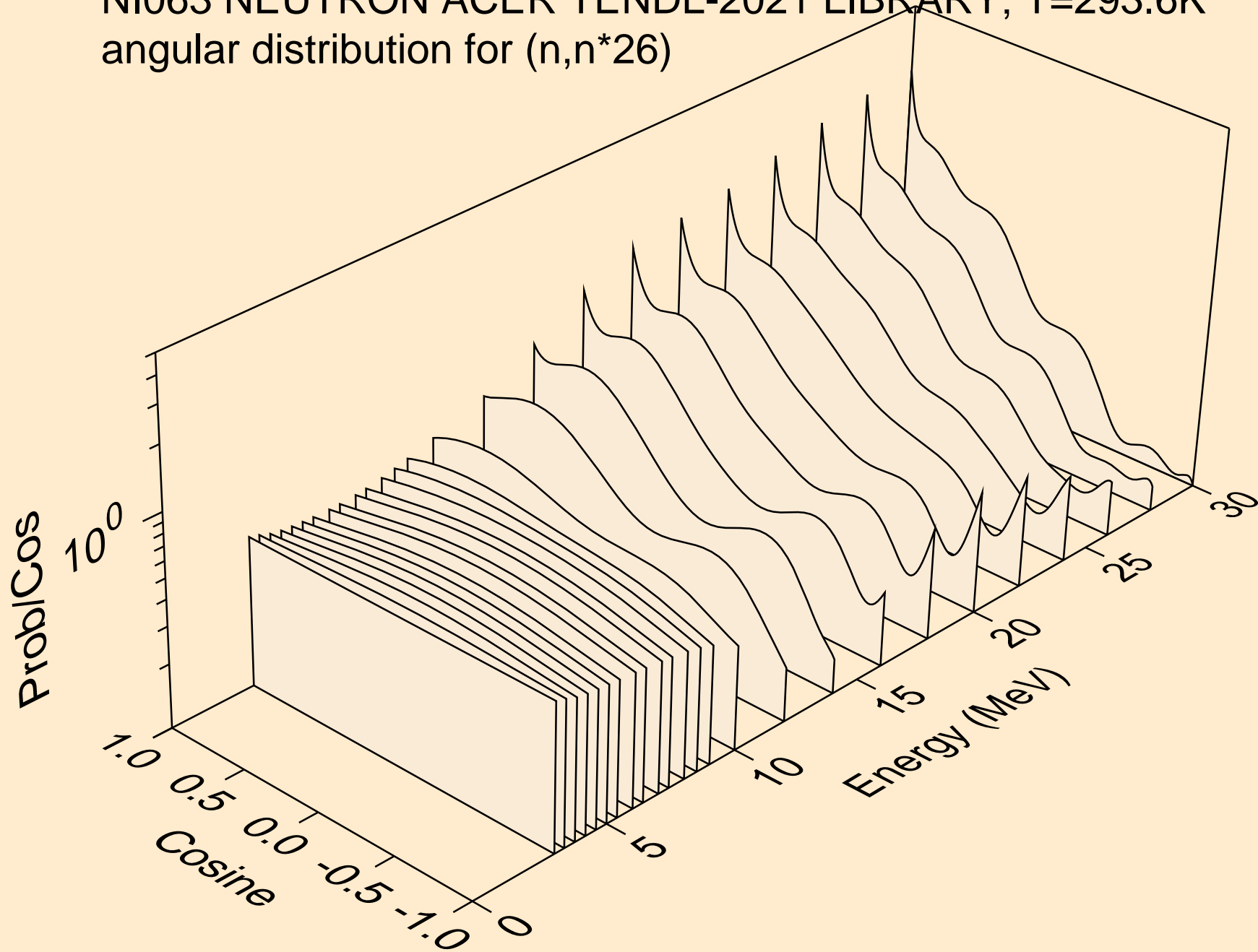


NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*25)

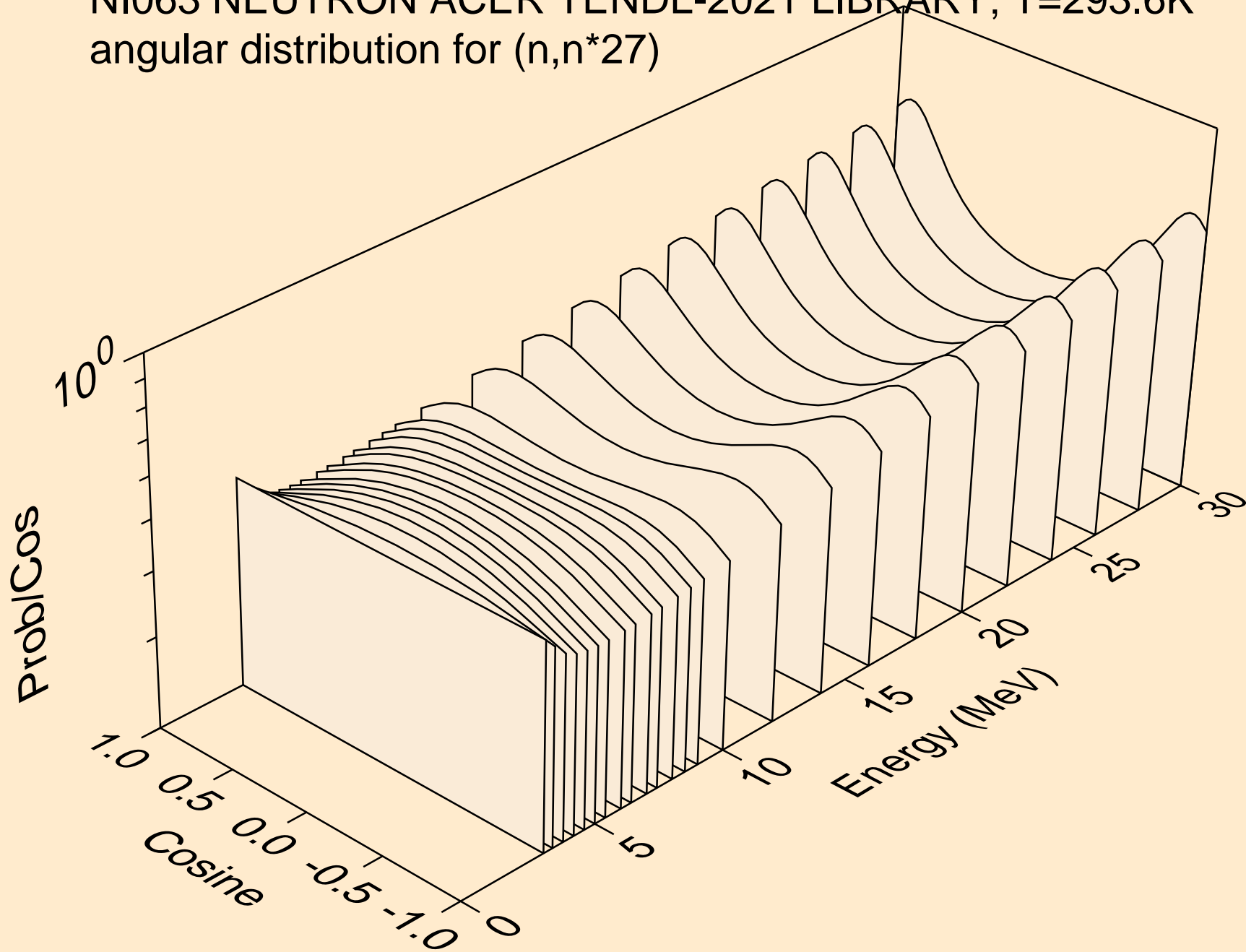




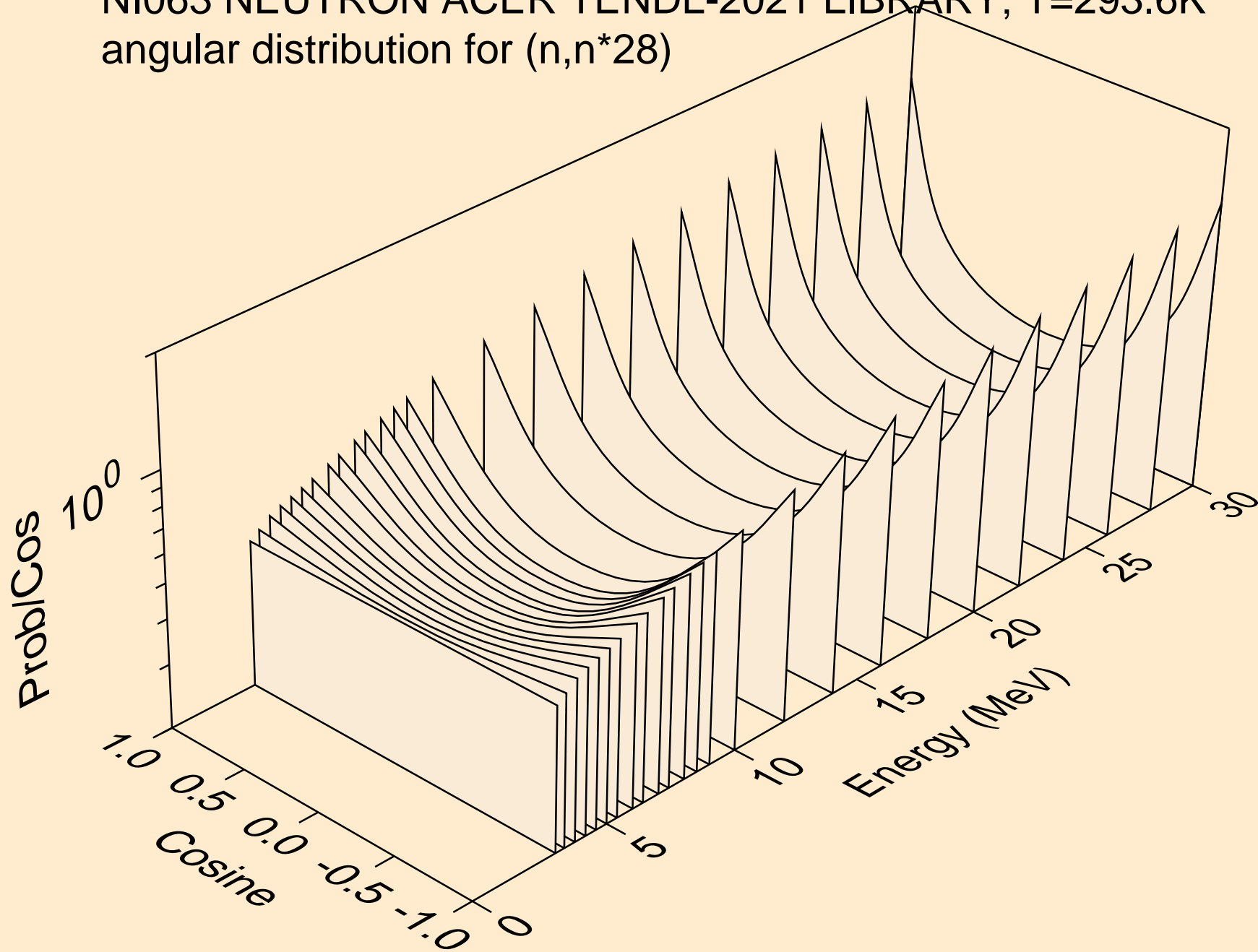
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*26)



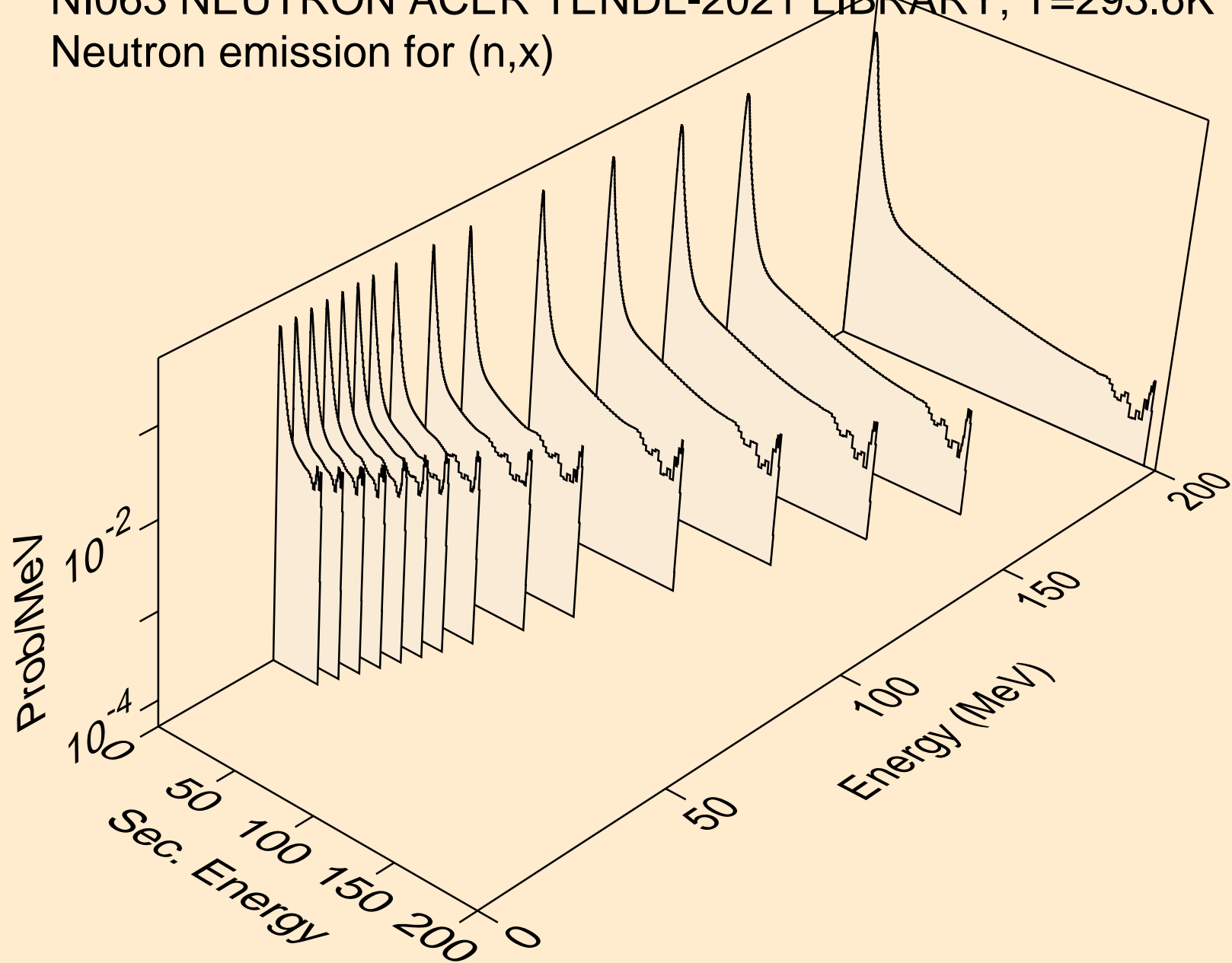
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*27)



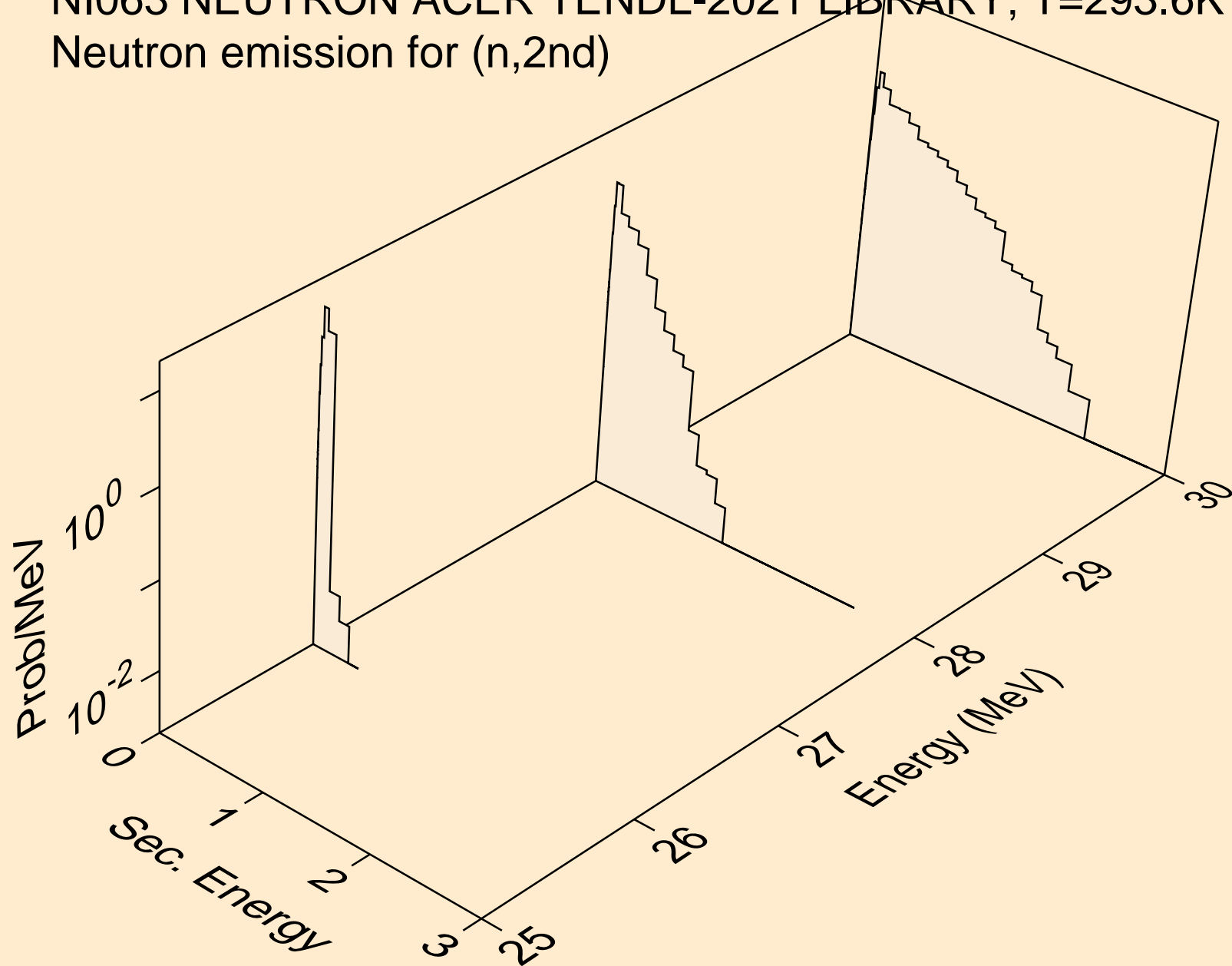
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
angular distribution for (n,n\*28)



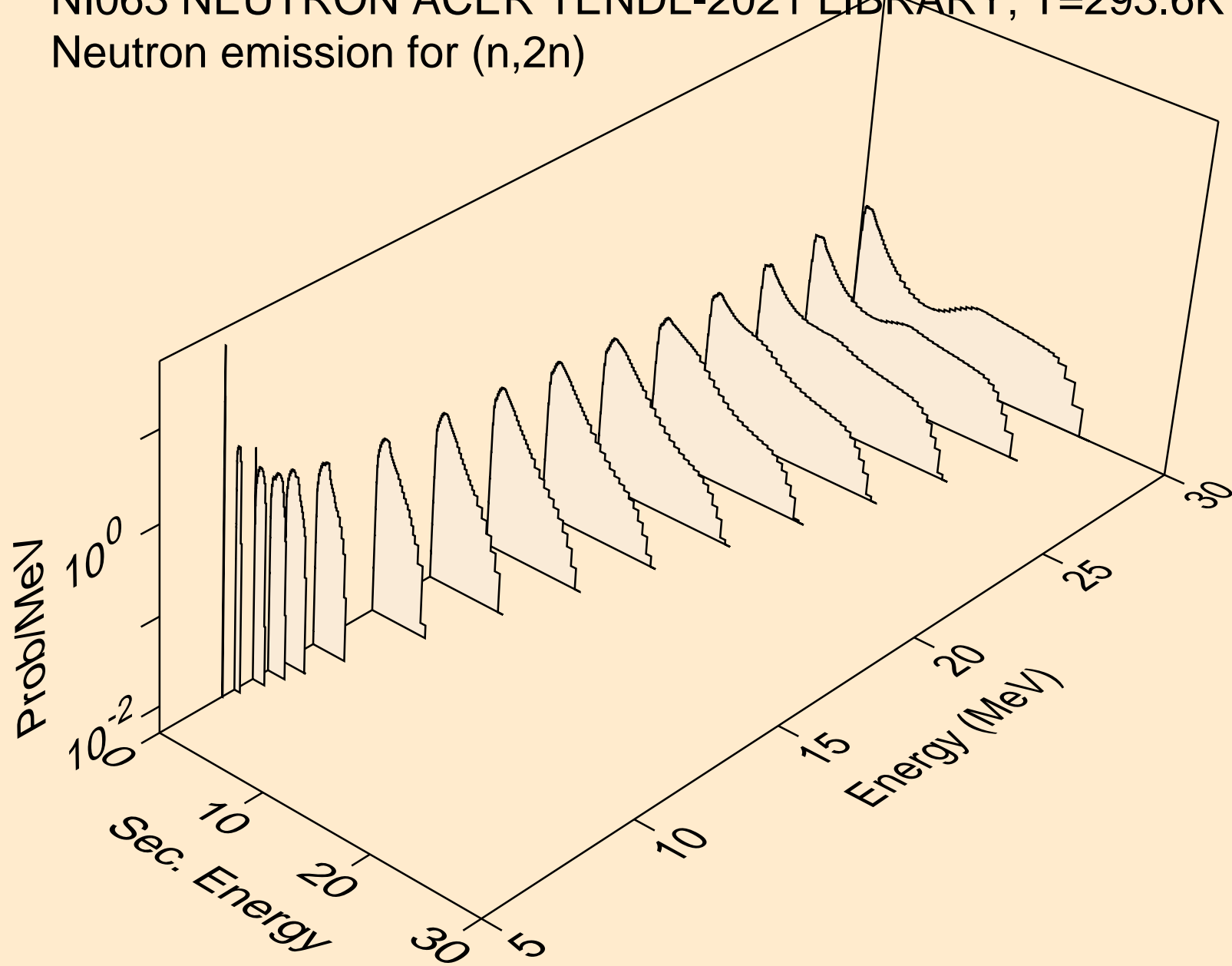
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,x)



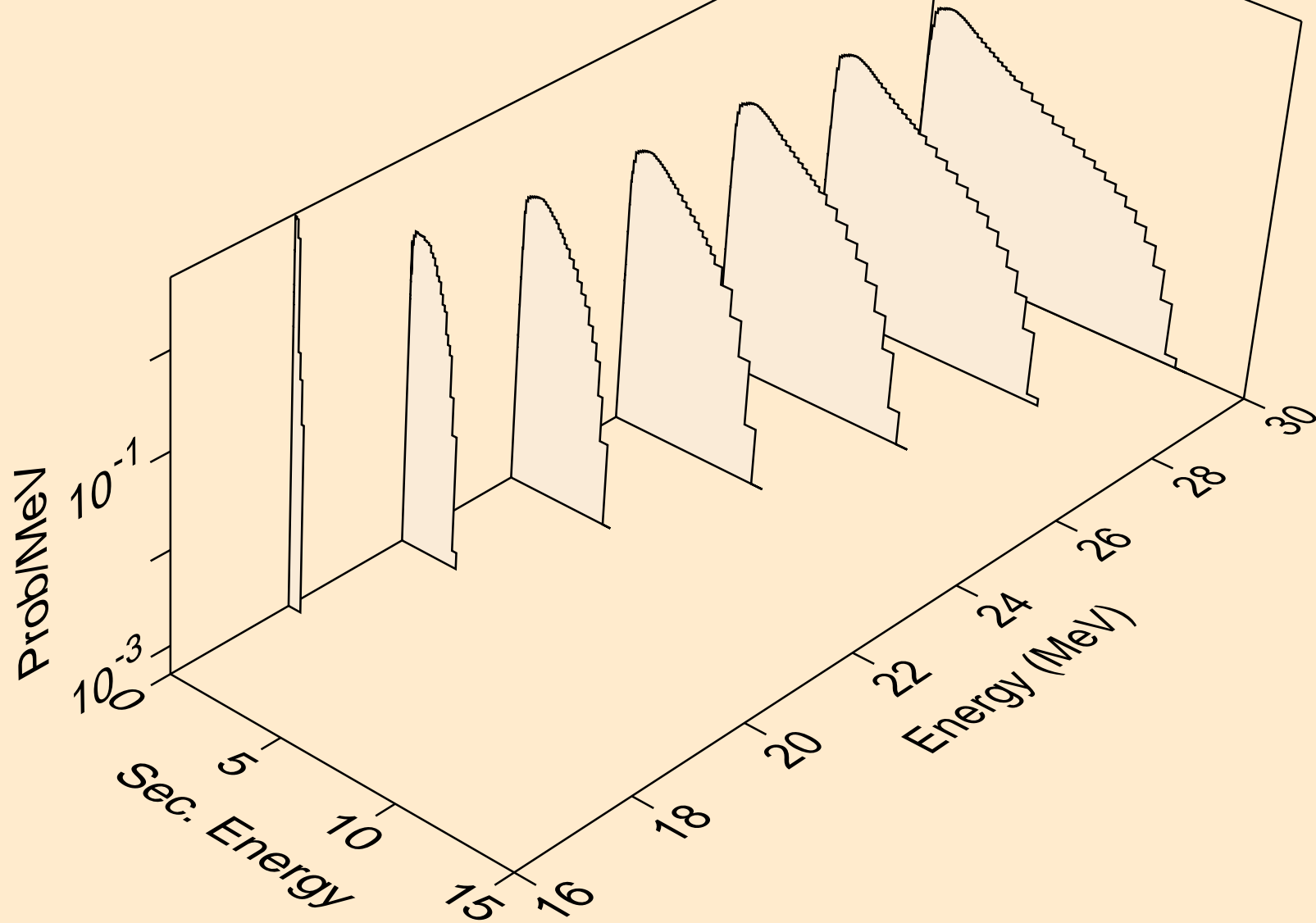
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



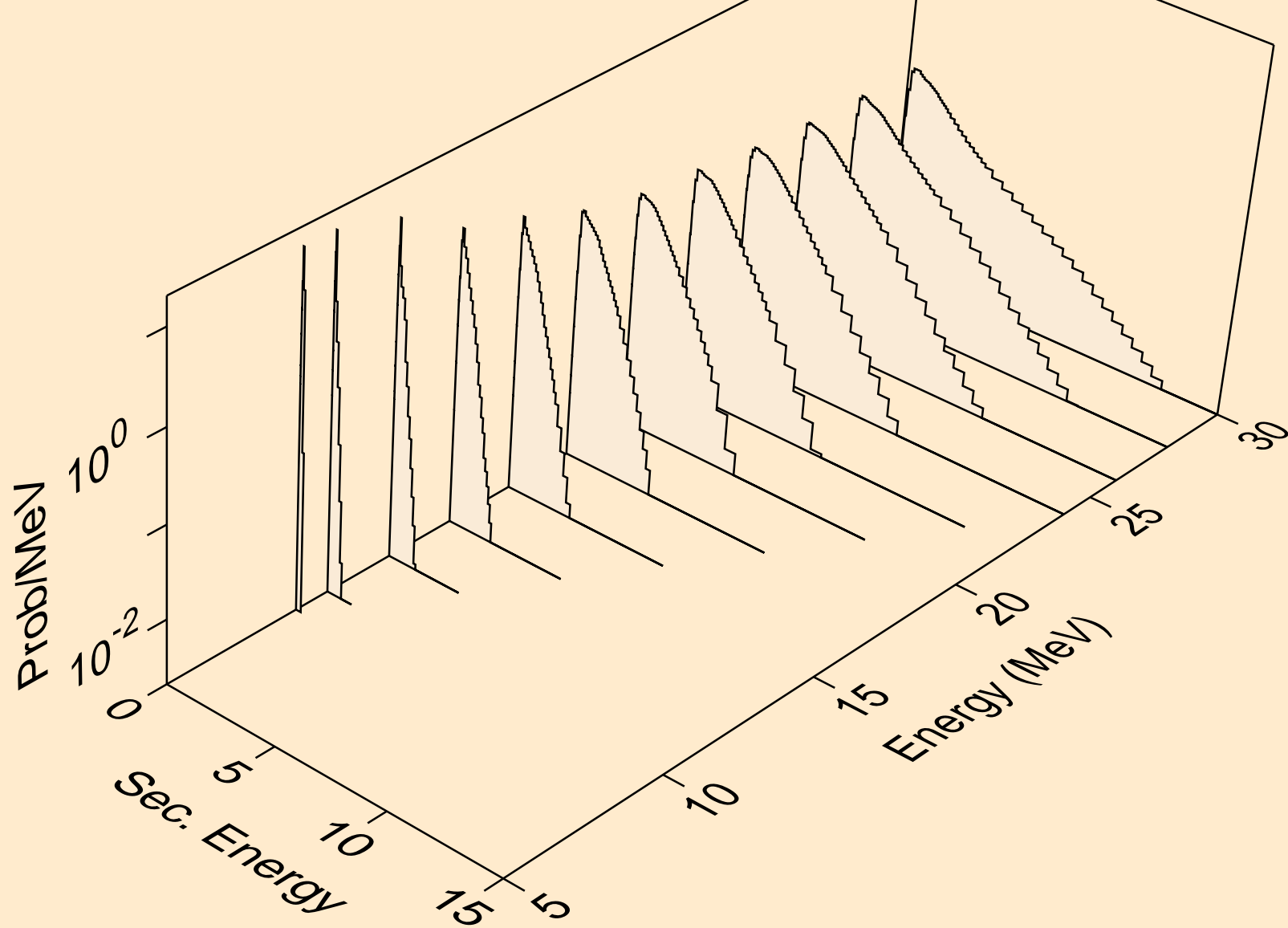
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)

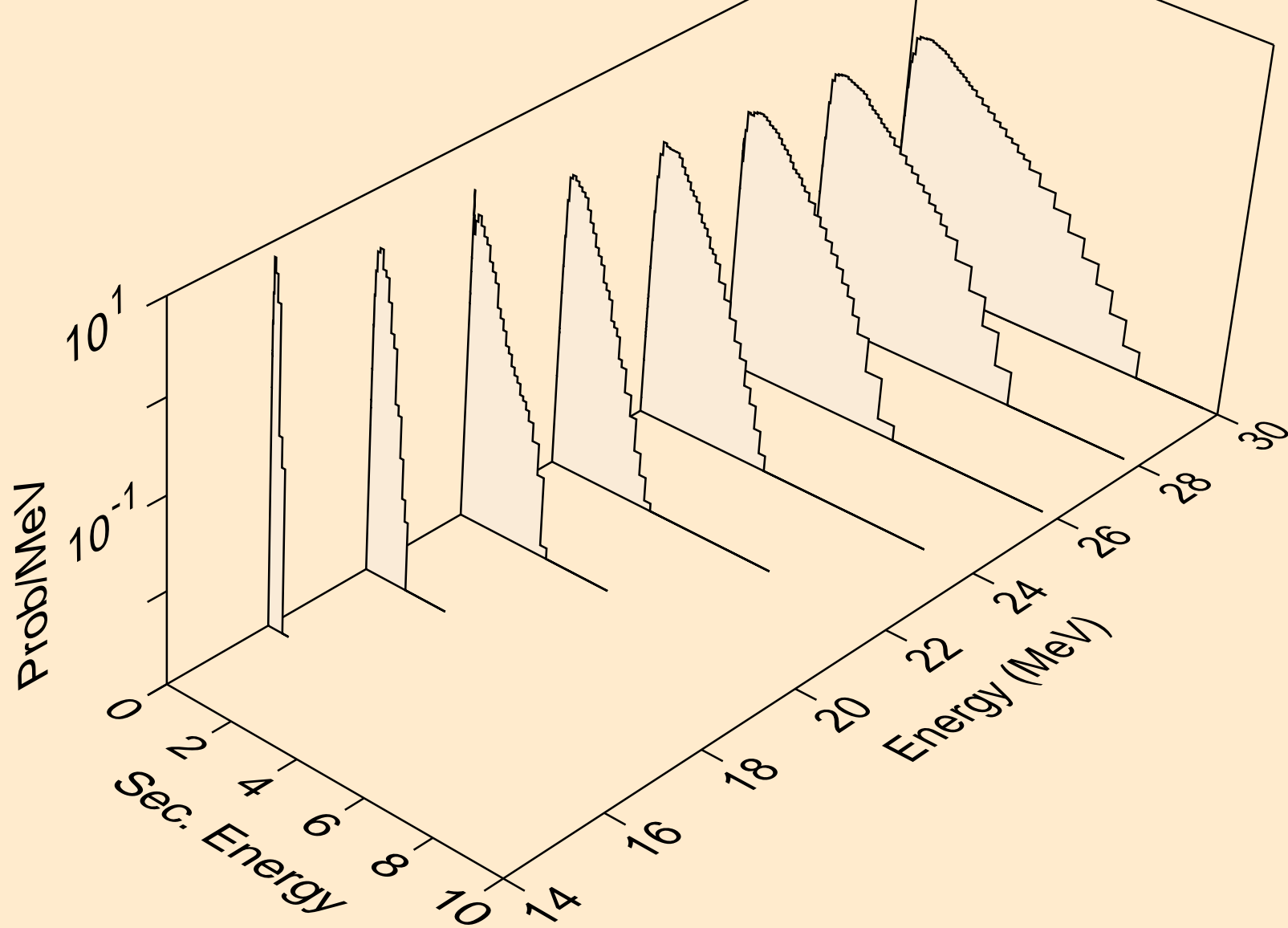


NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a

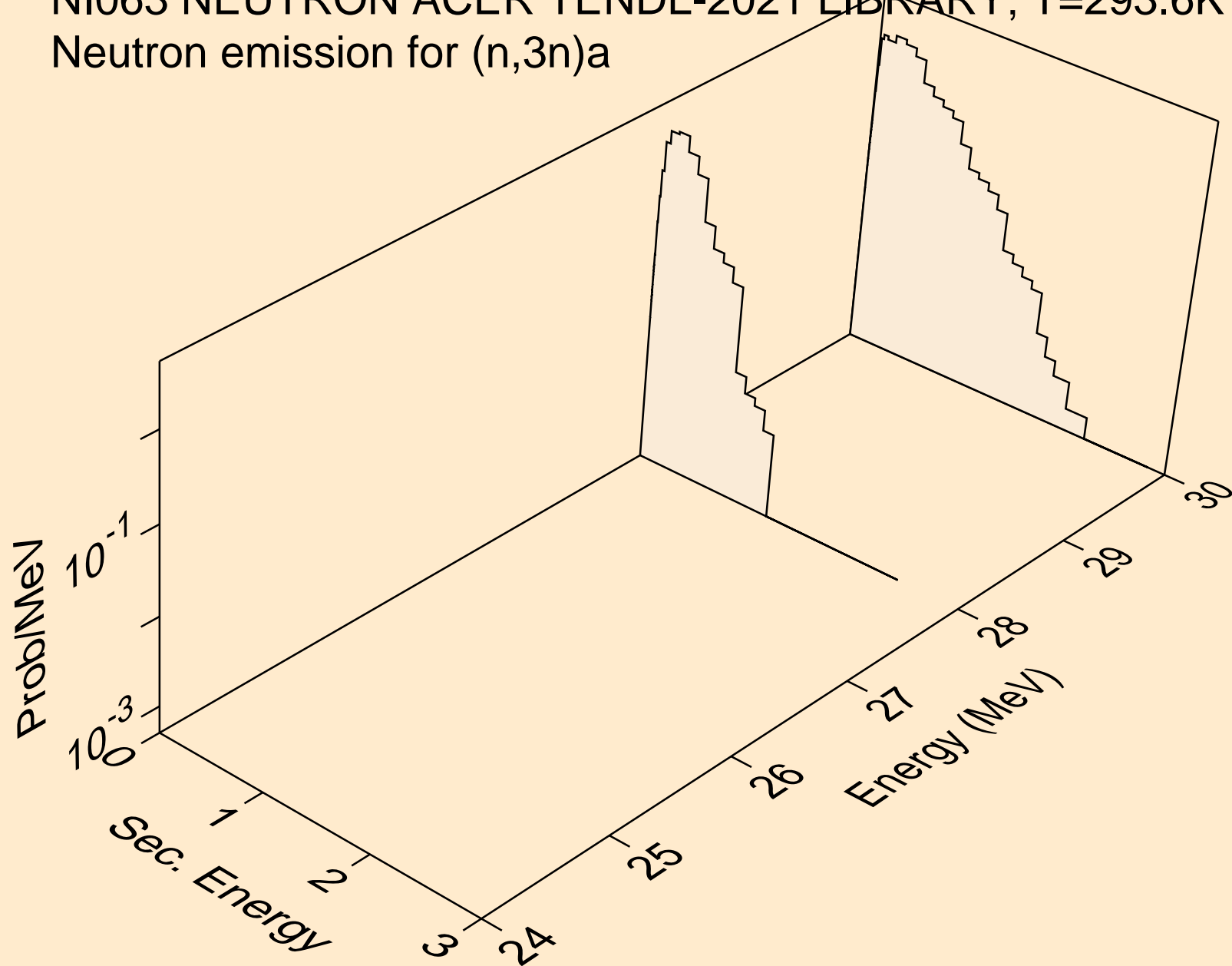




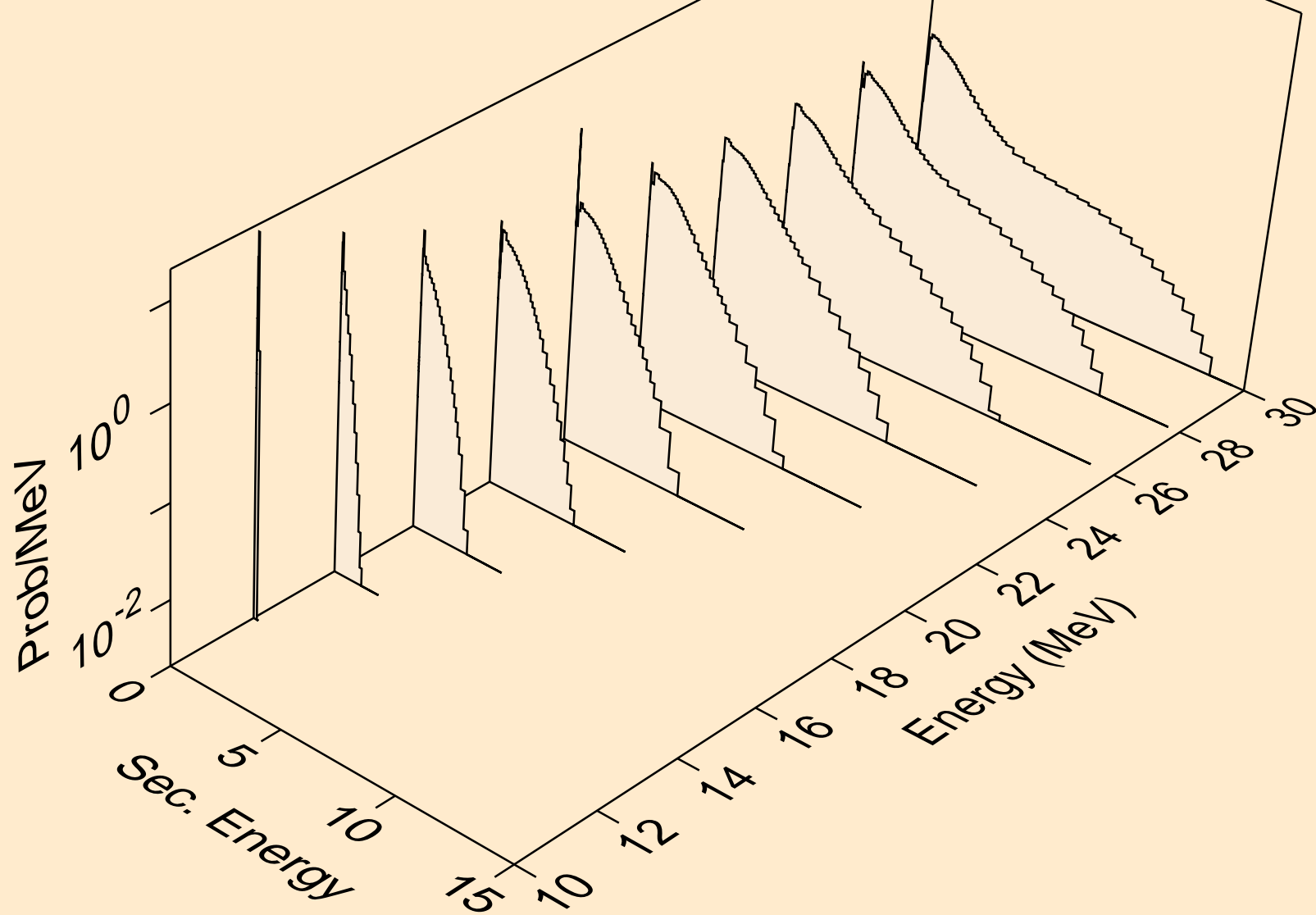
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2n)a



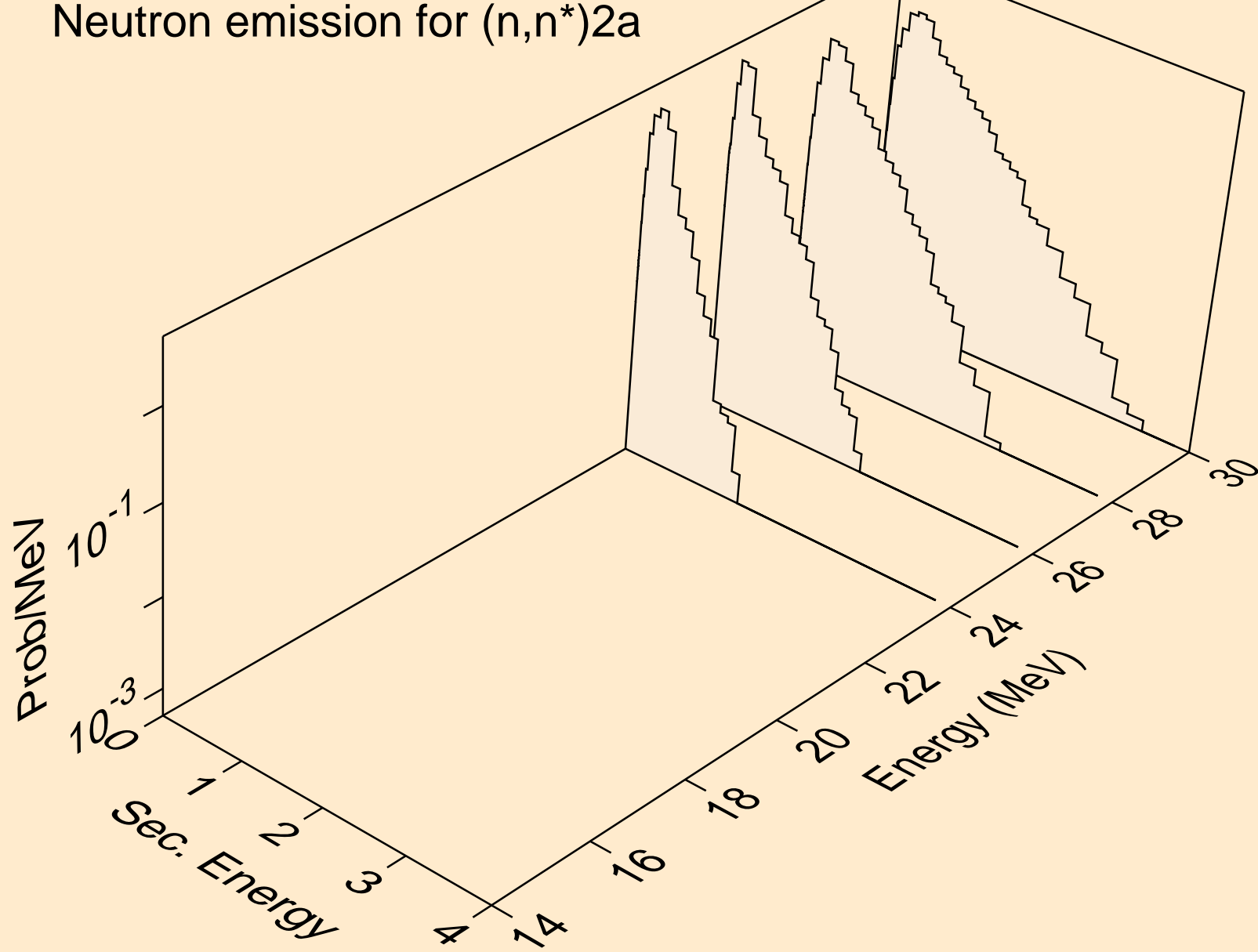
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



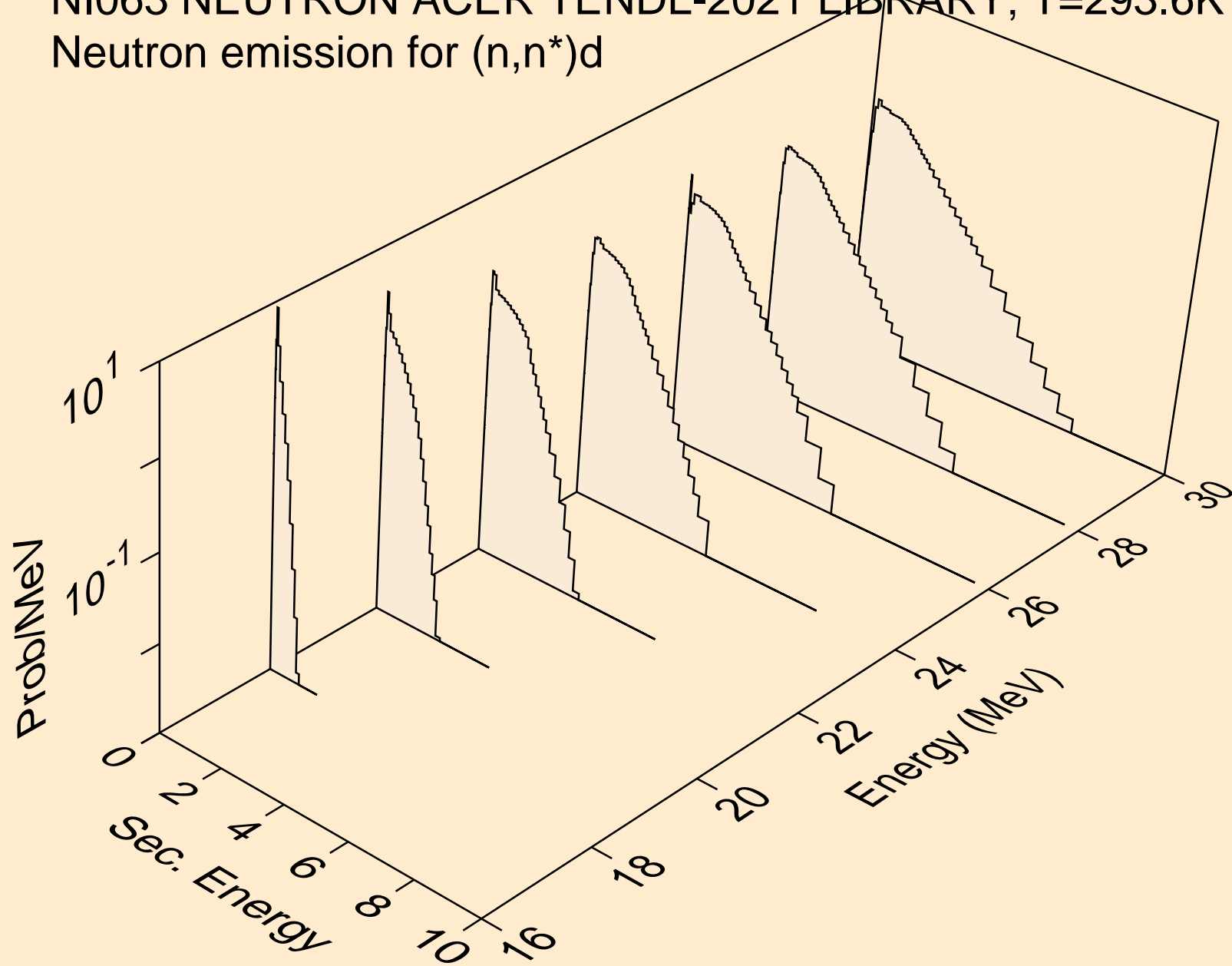
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



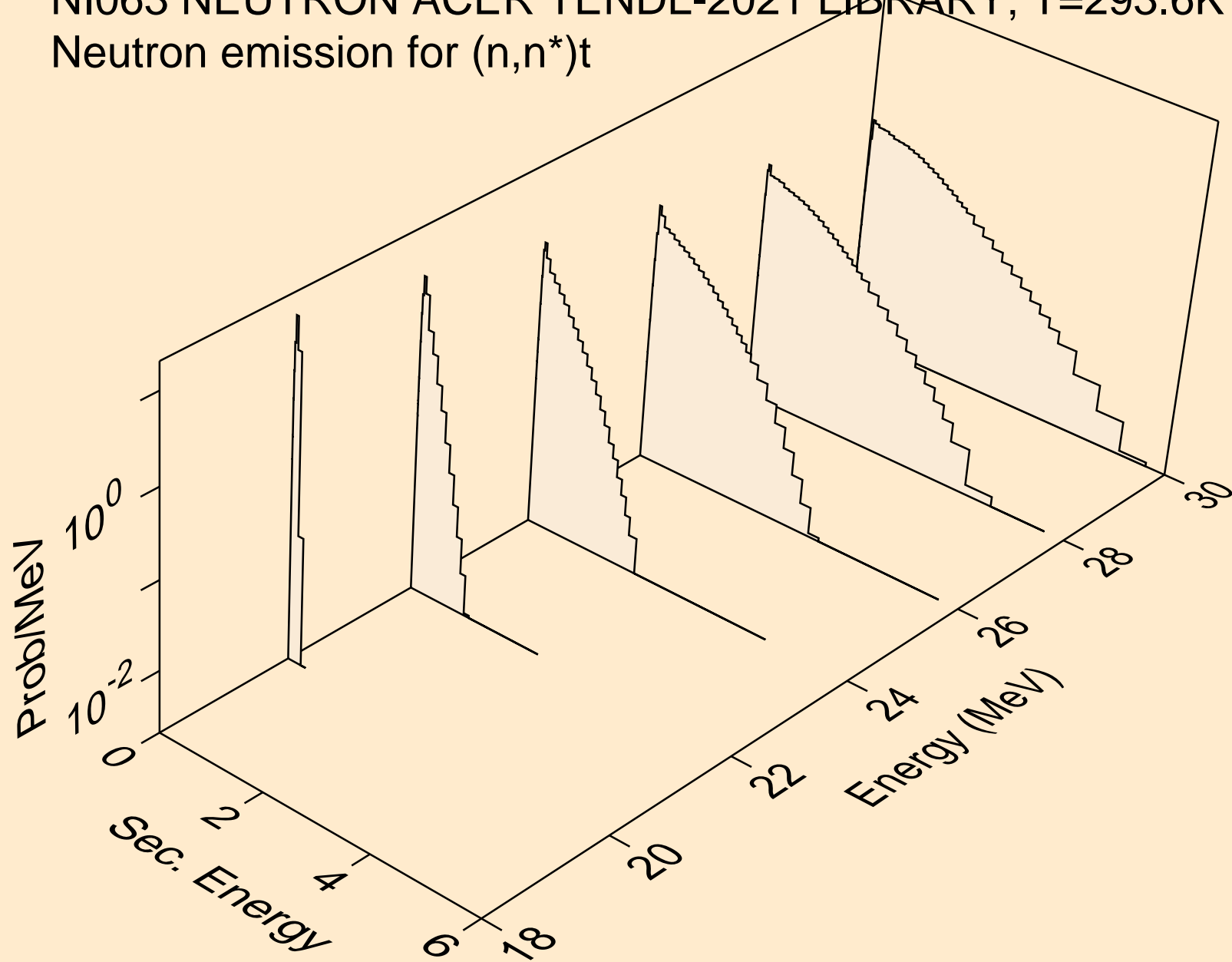
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a



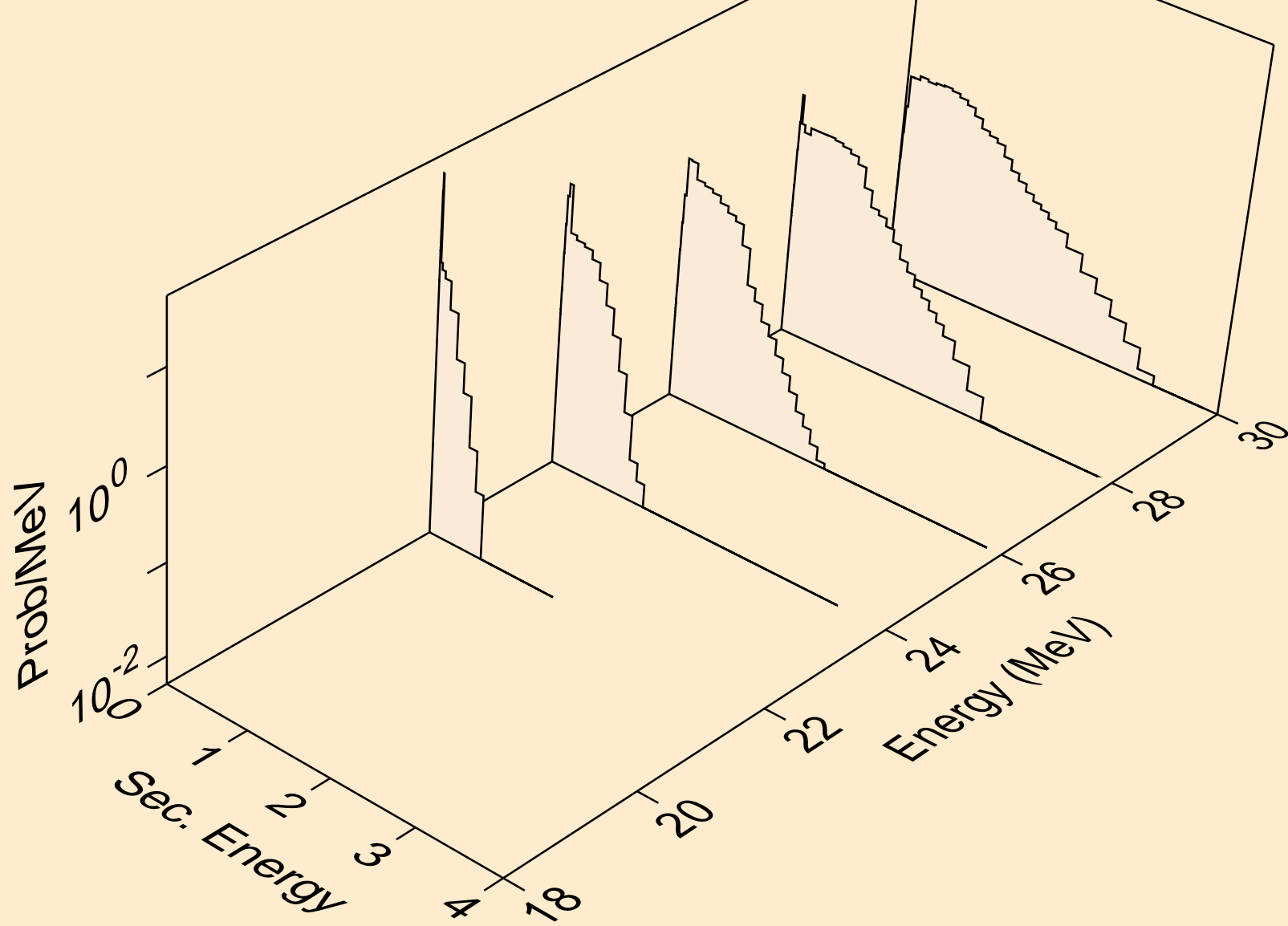
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



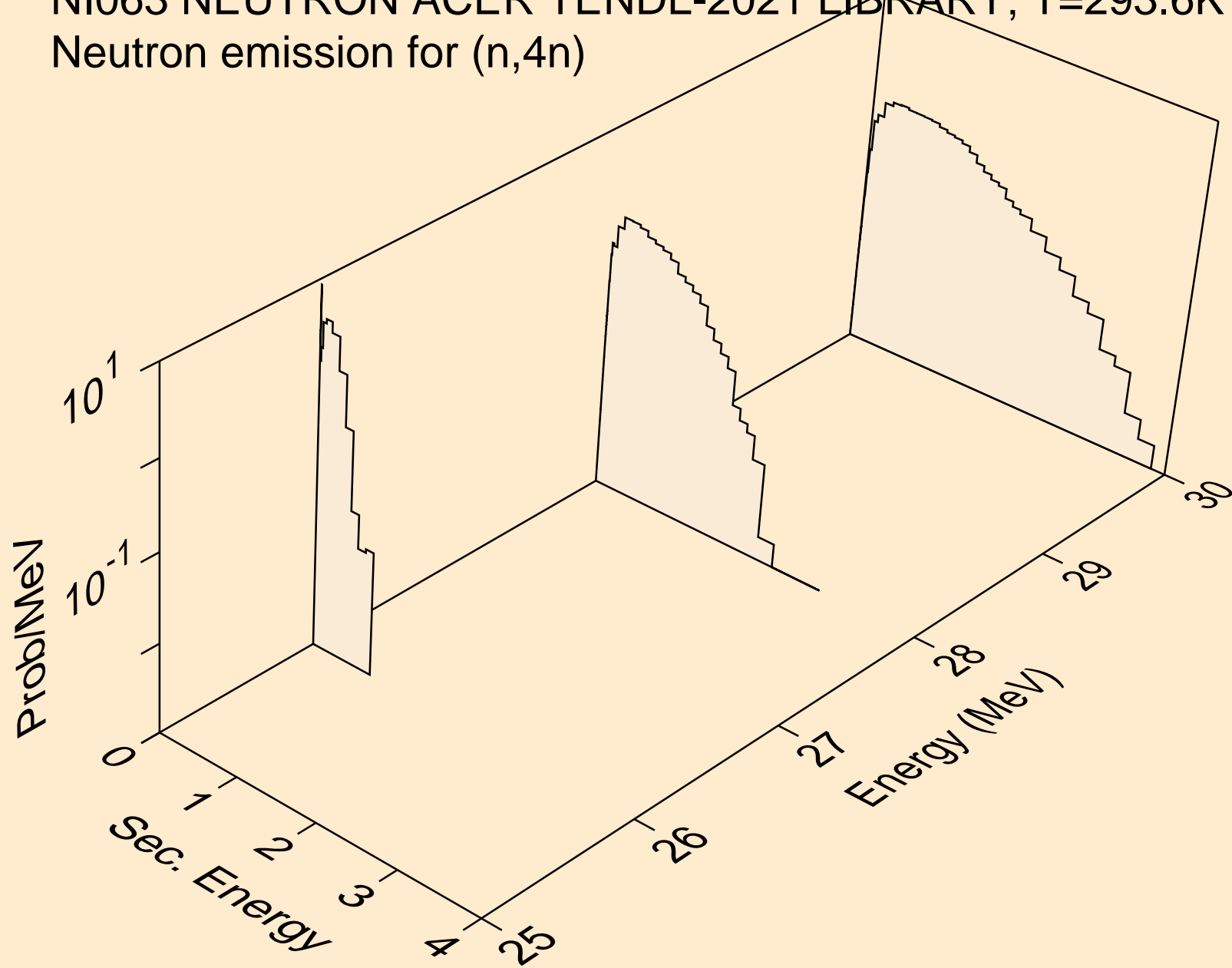
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3

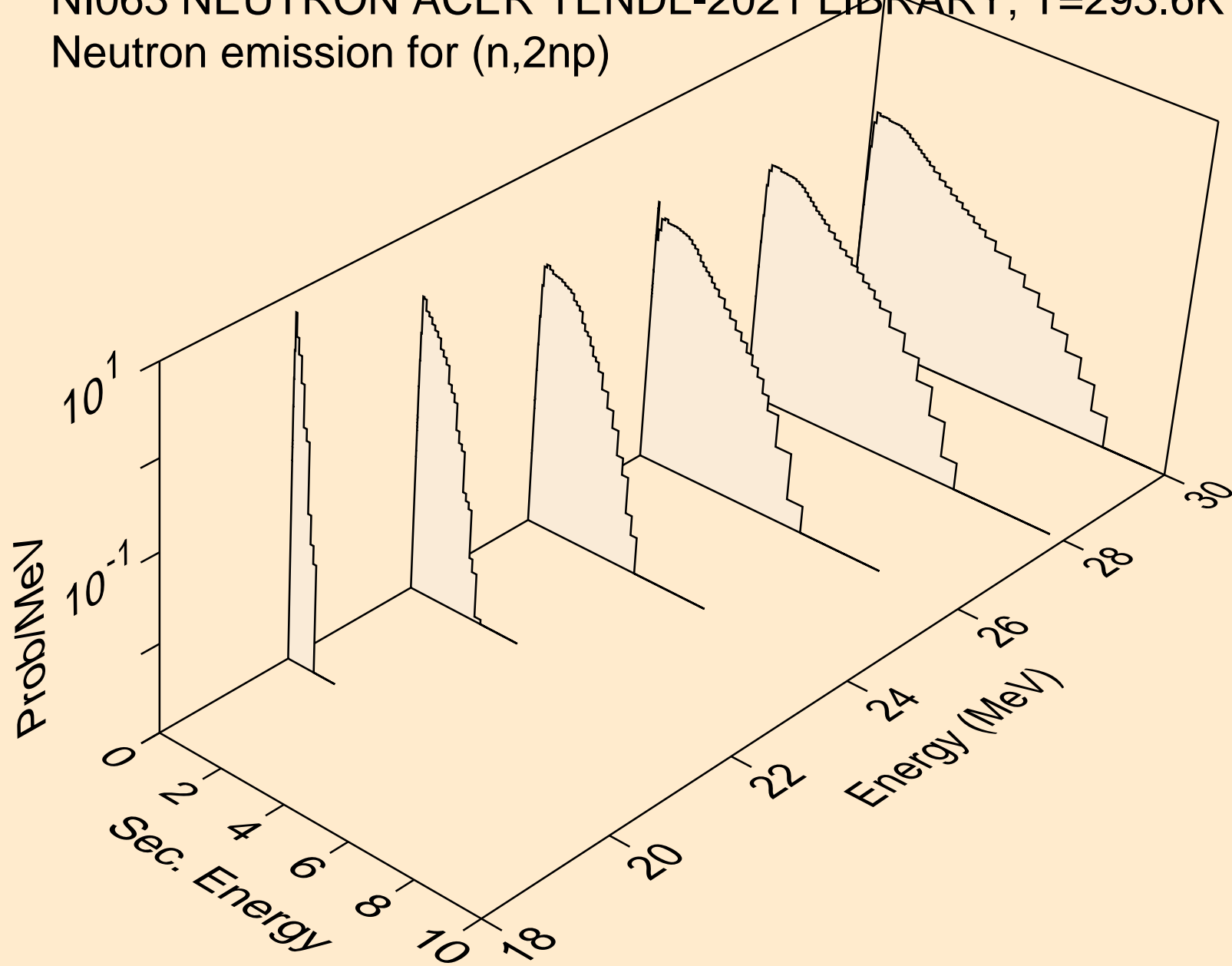


NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,4n)

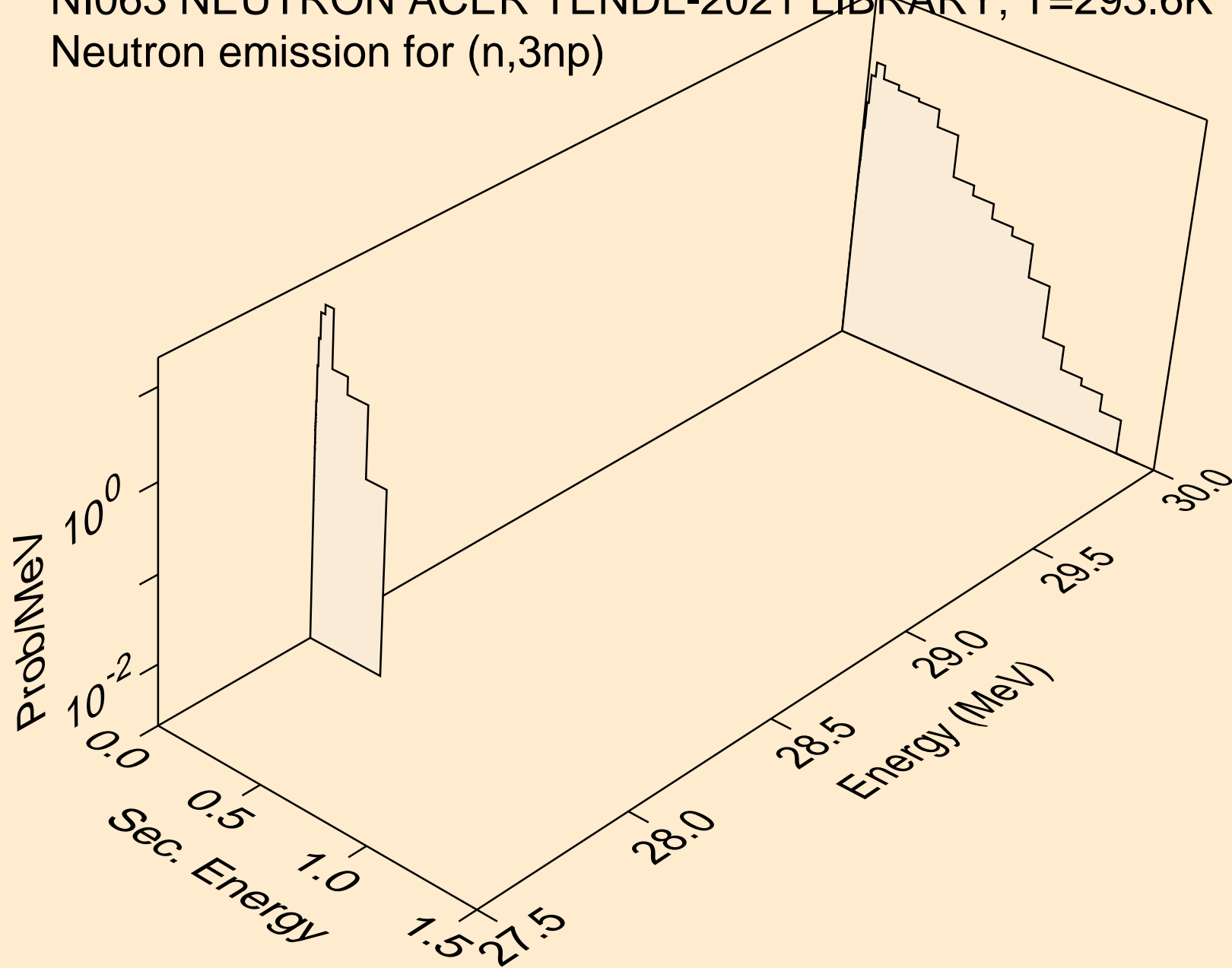




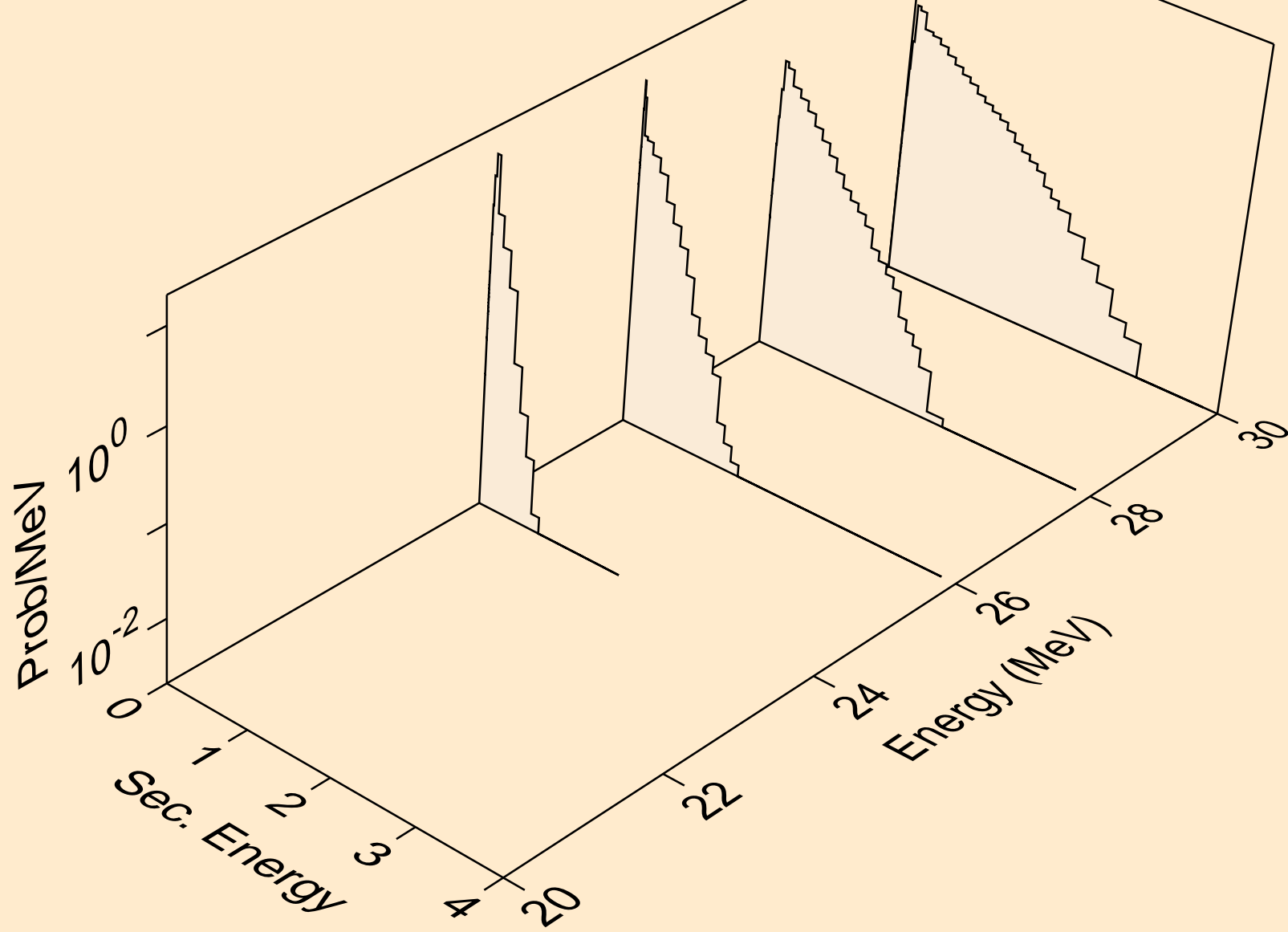
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



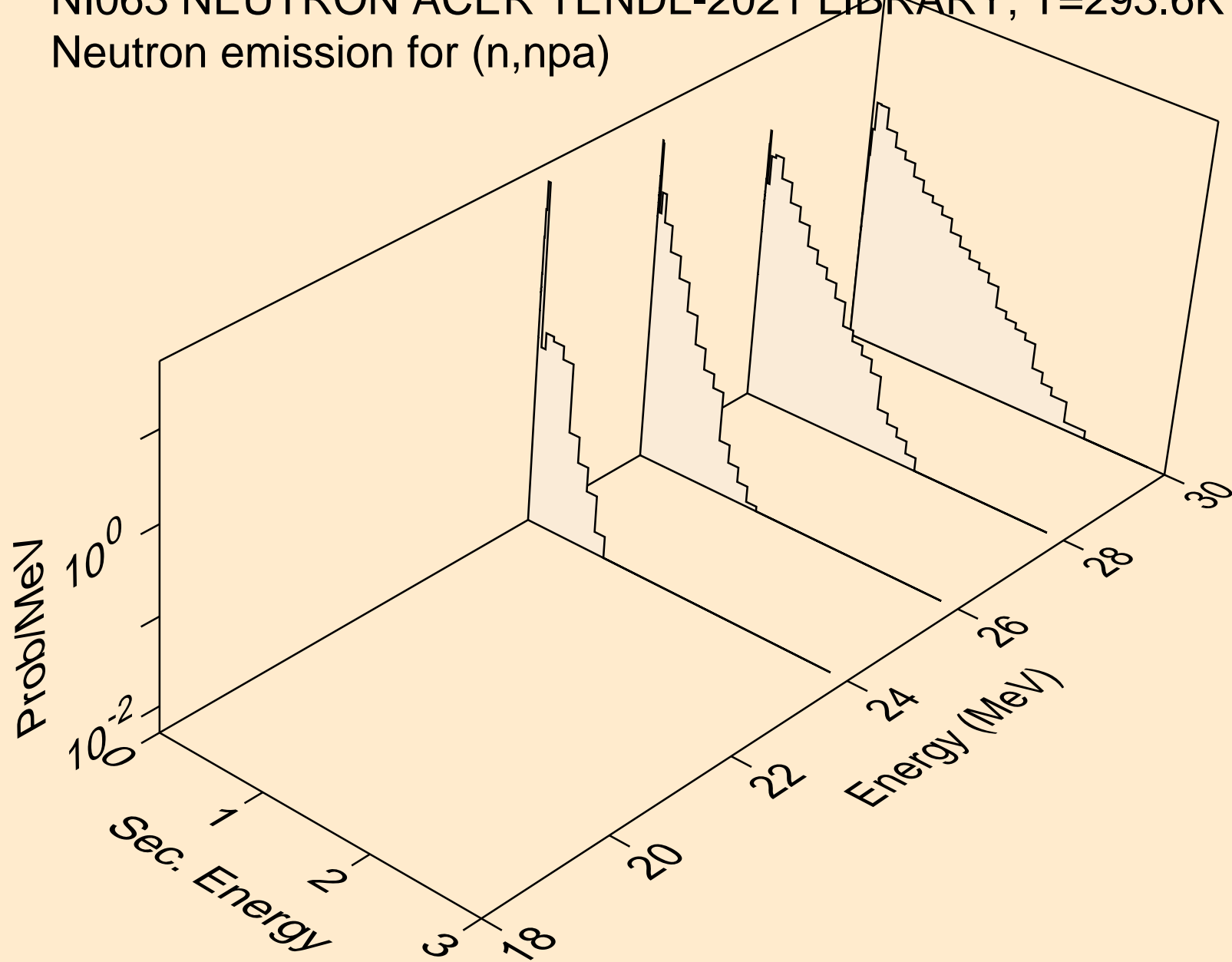
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



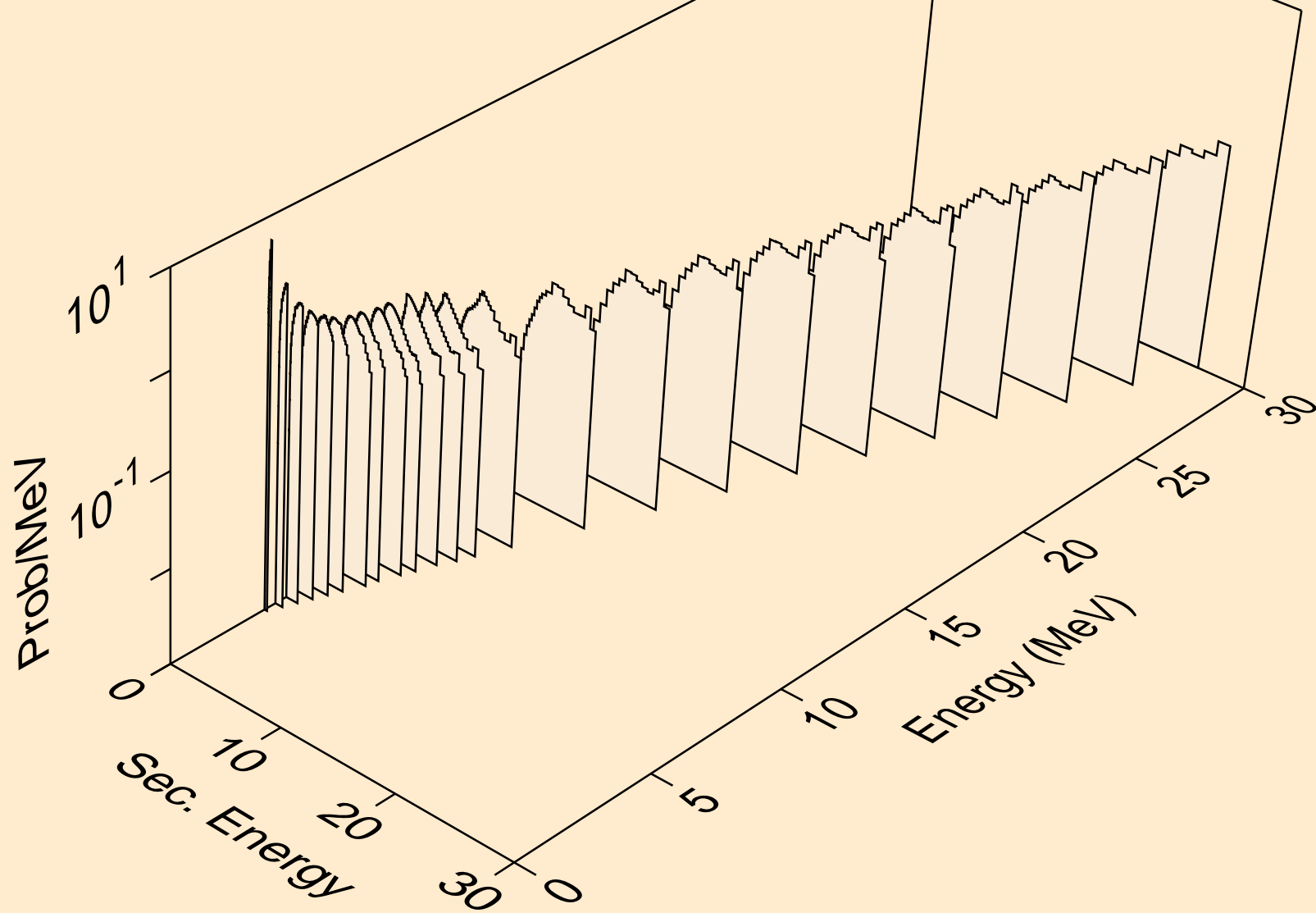
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



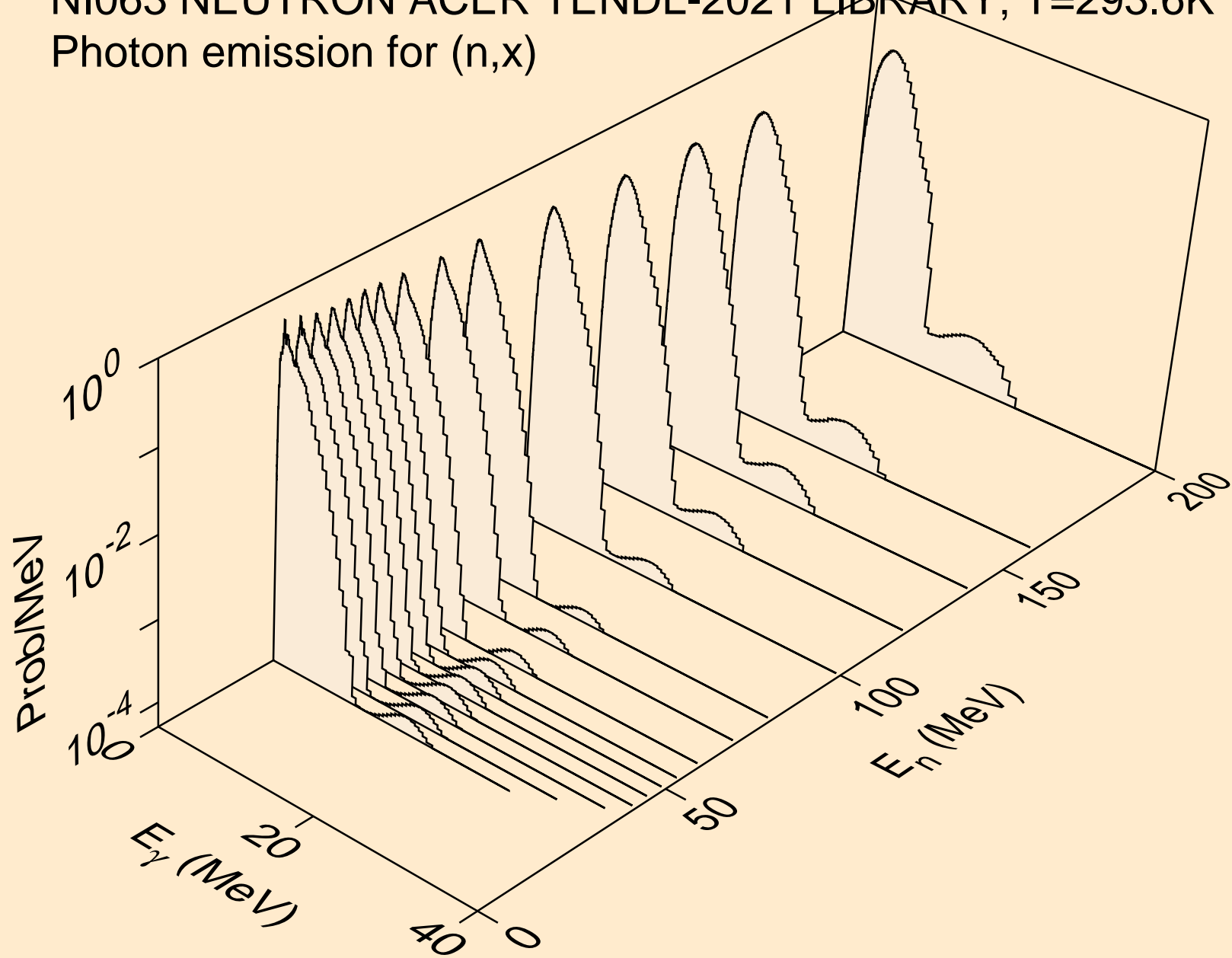
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



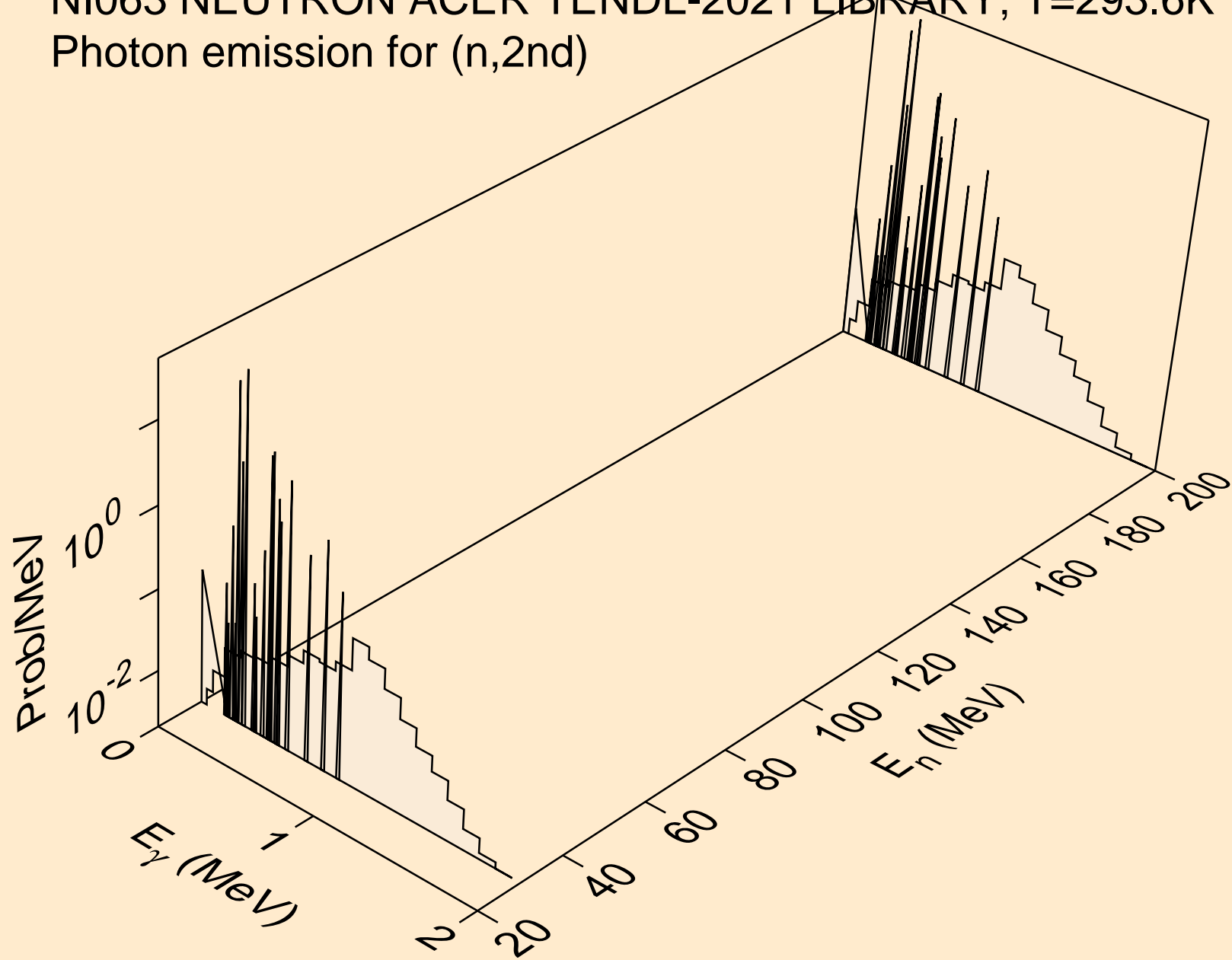
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



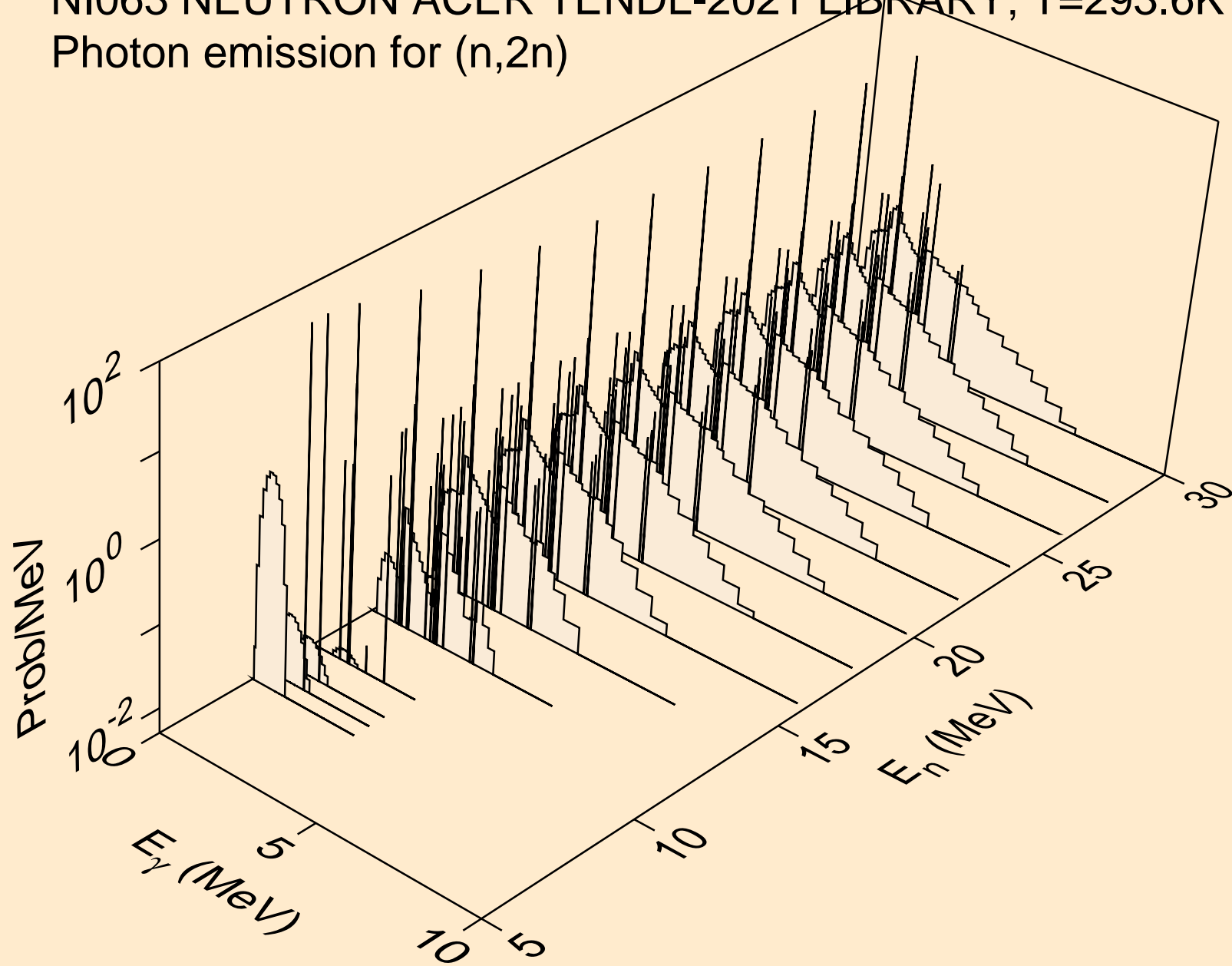
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,x)



NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2nd)

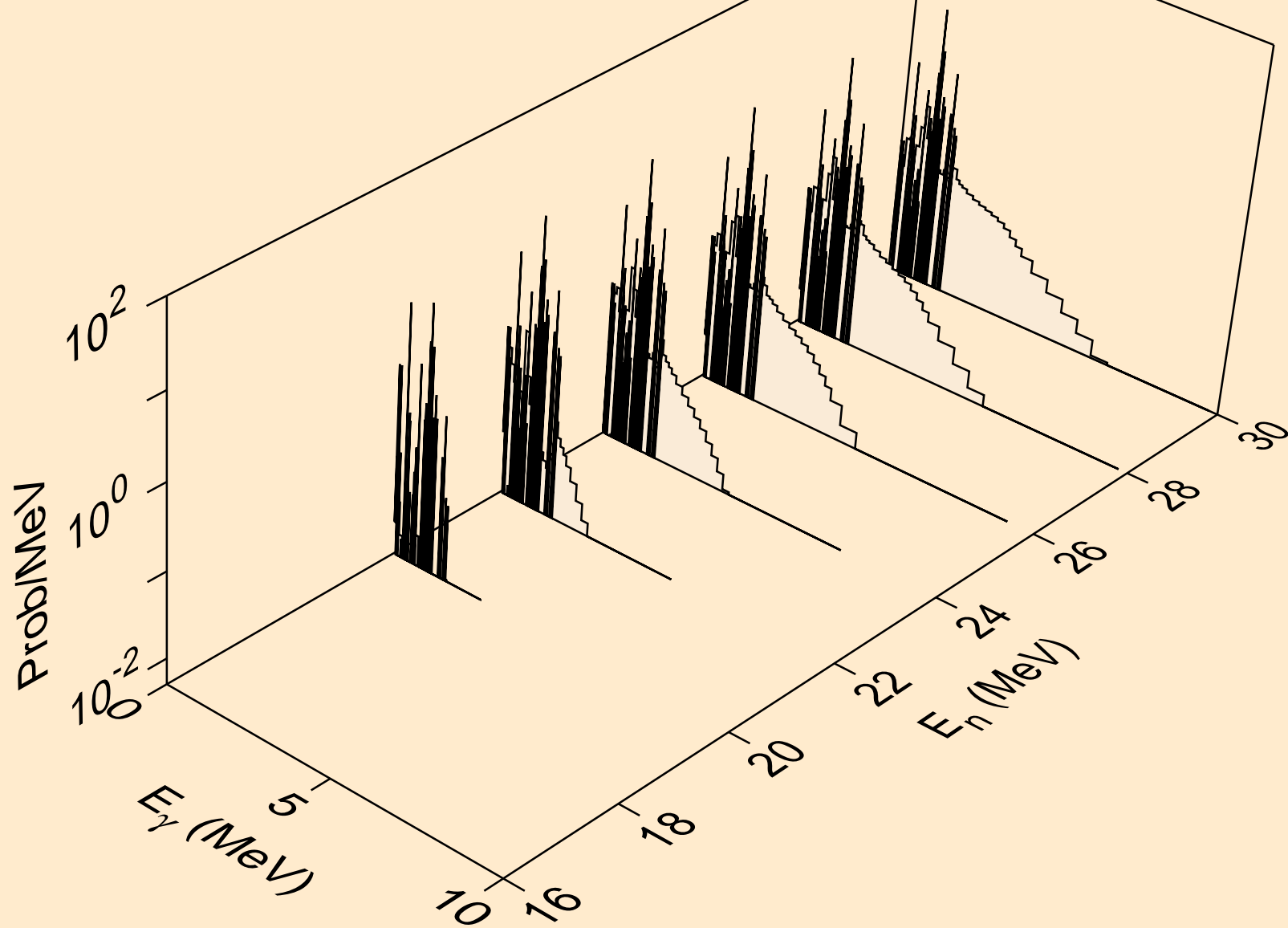


NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)

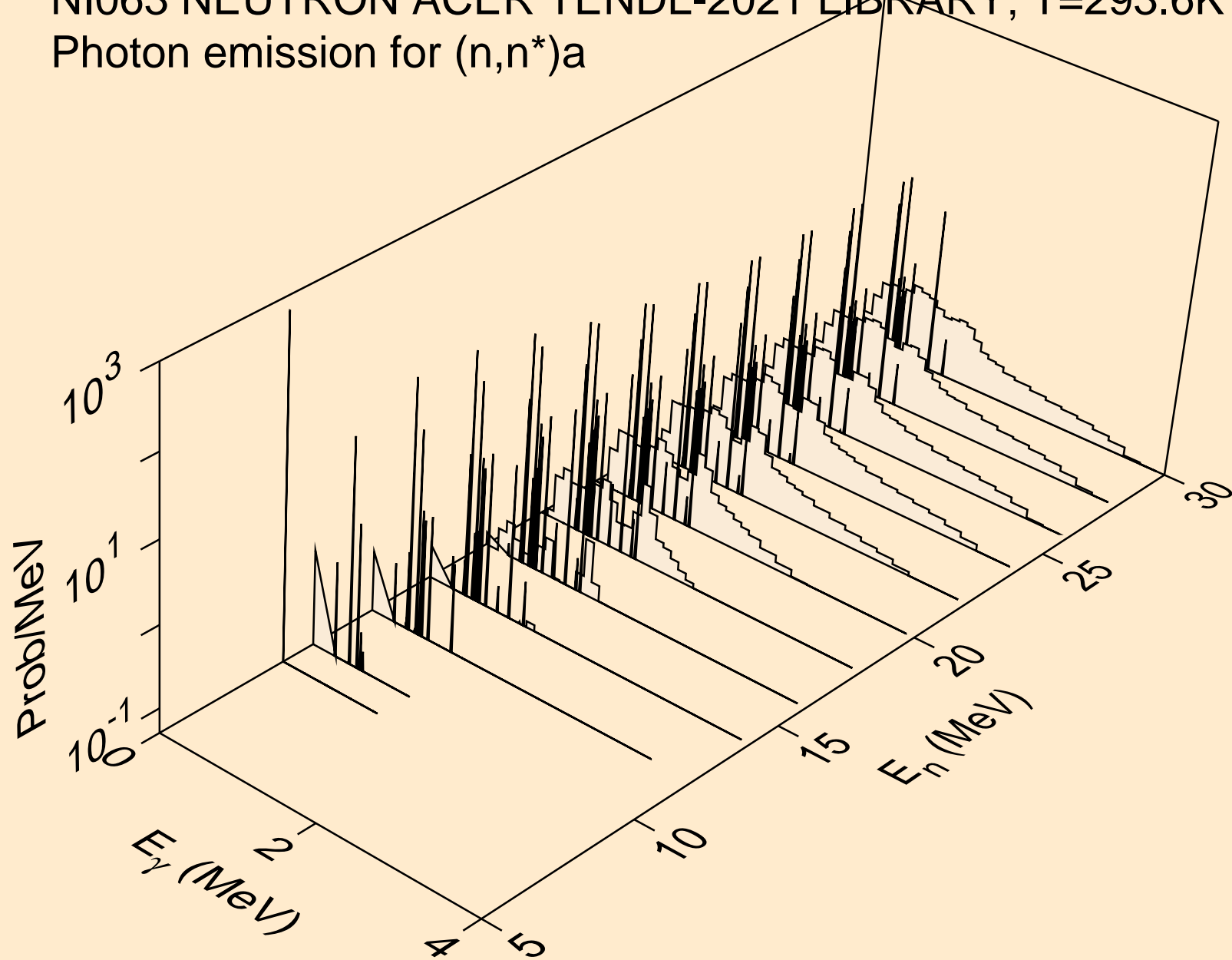




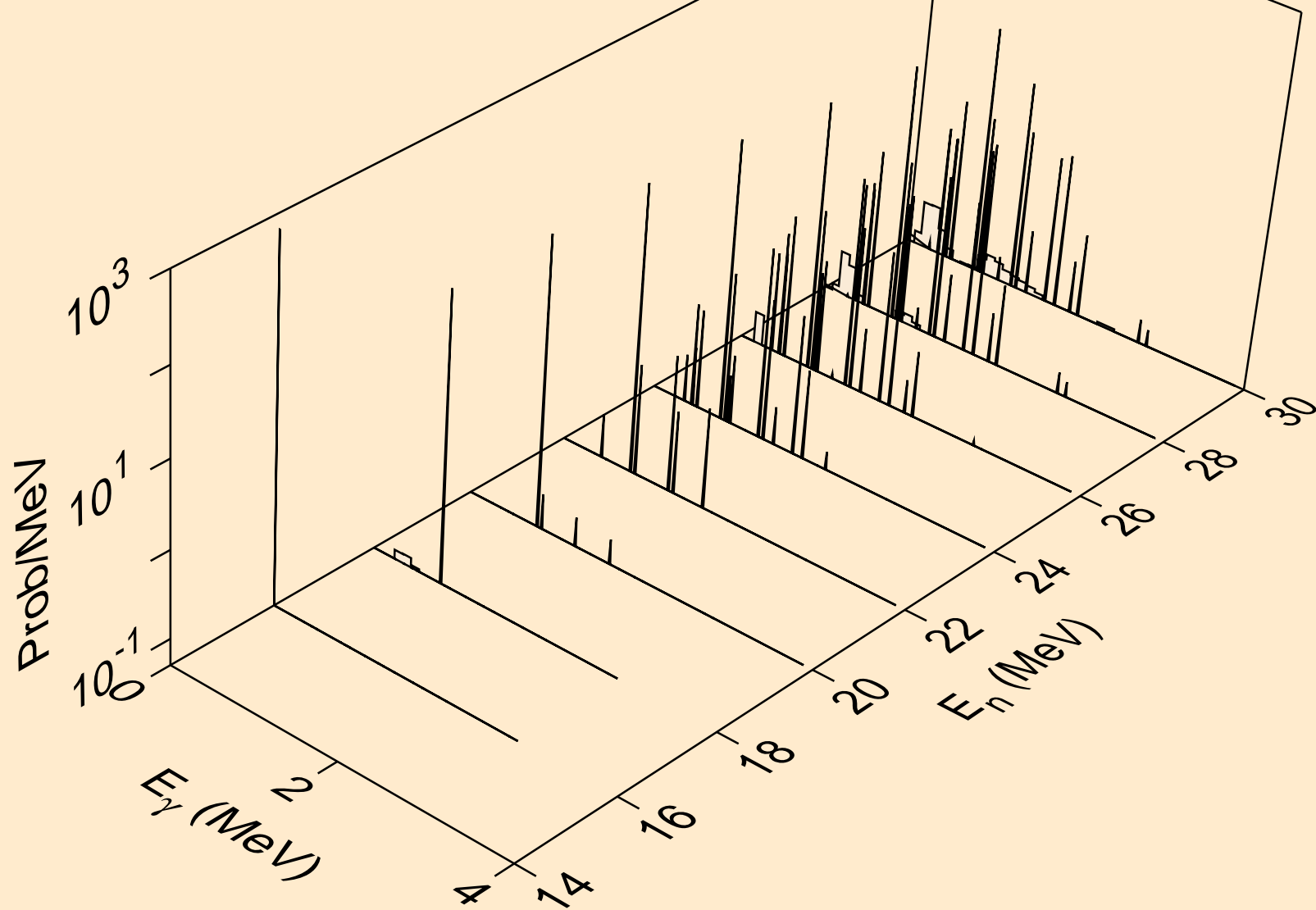
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)



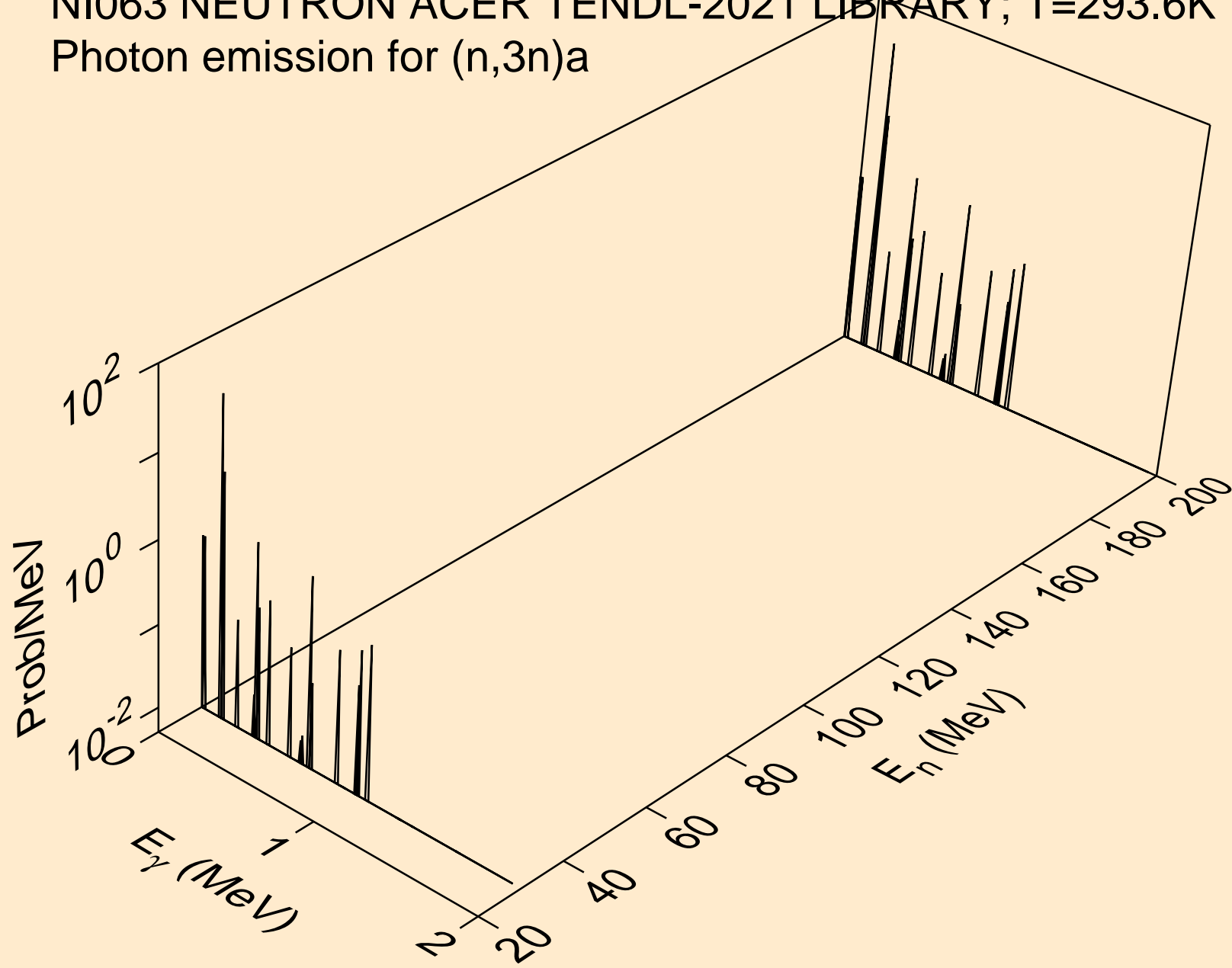
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



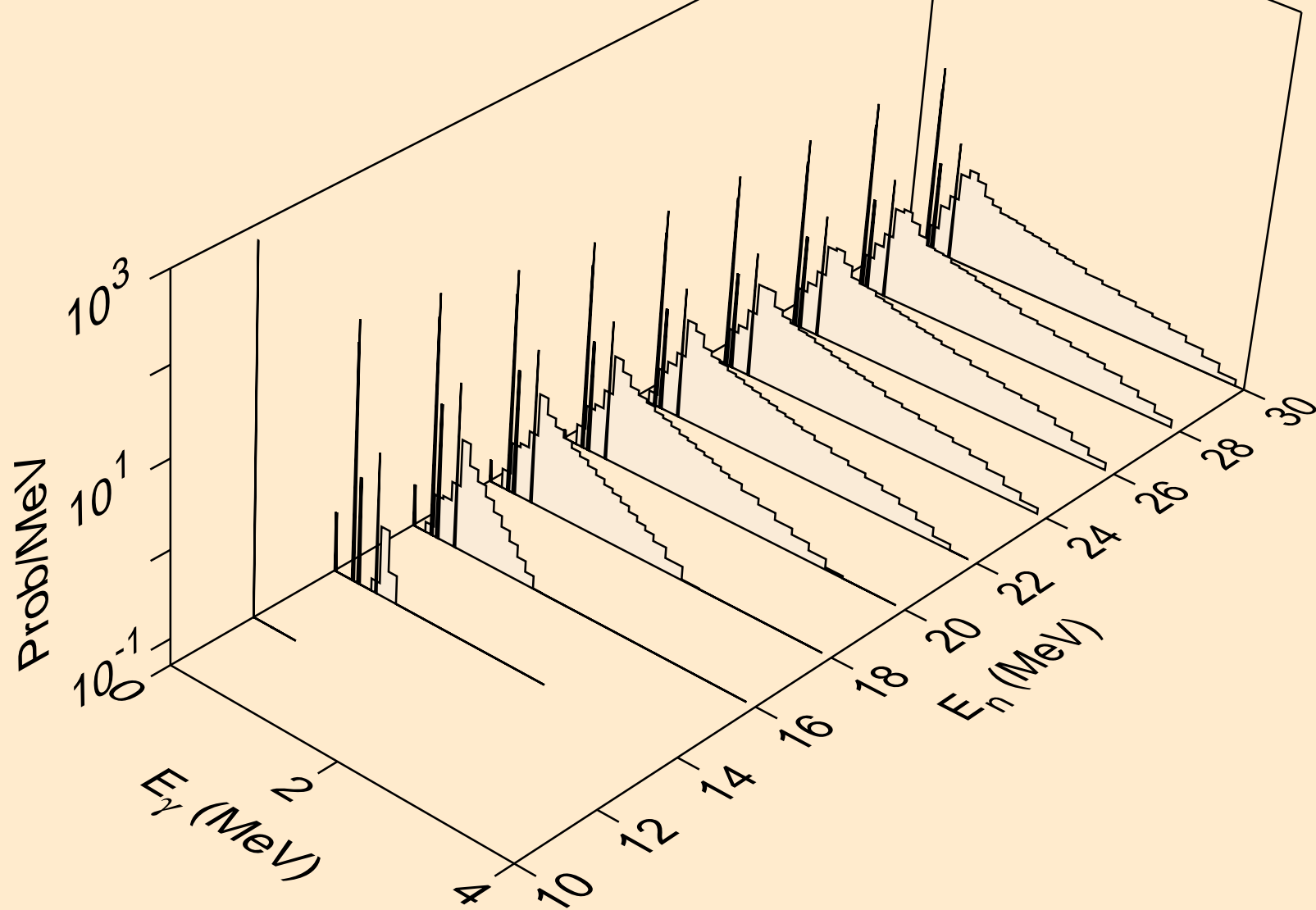
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2n)a



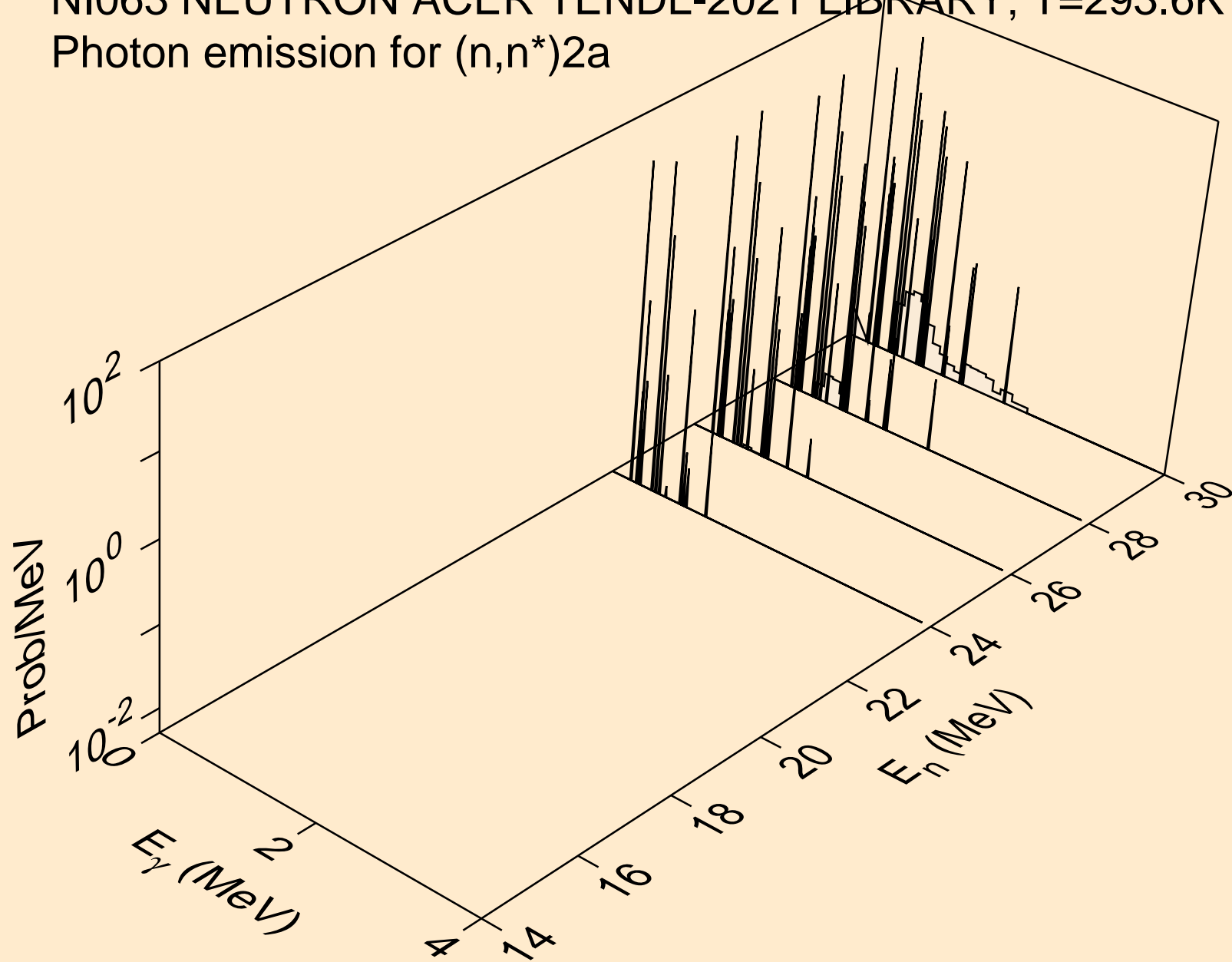
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3n)a



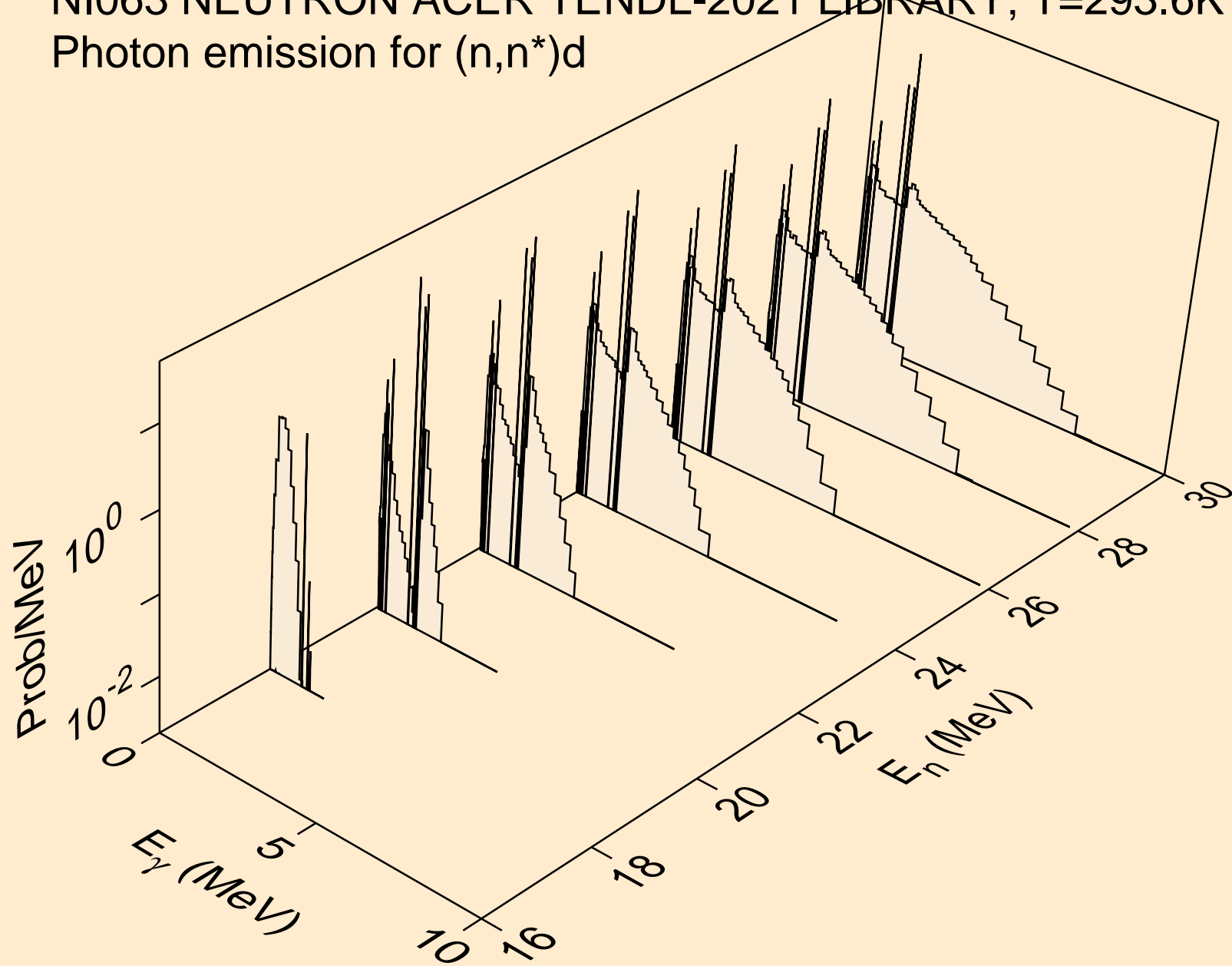
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



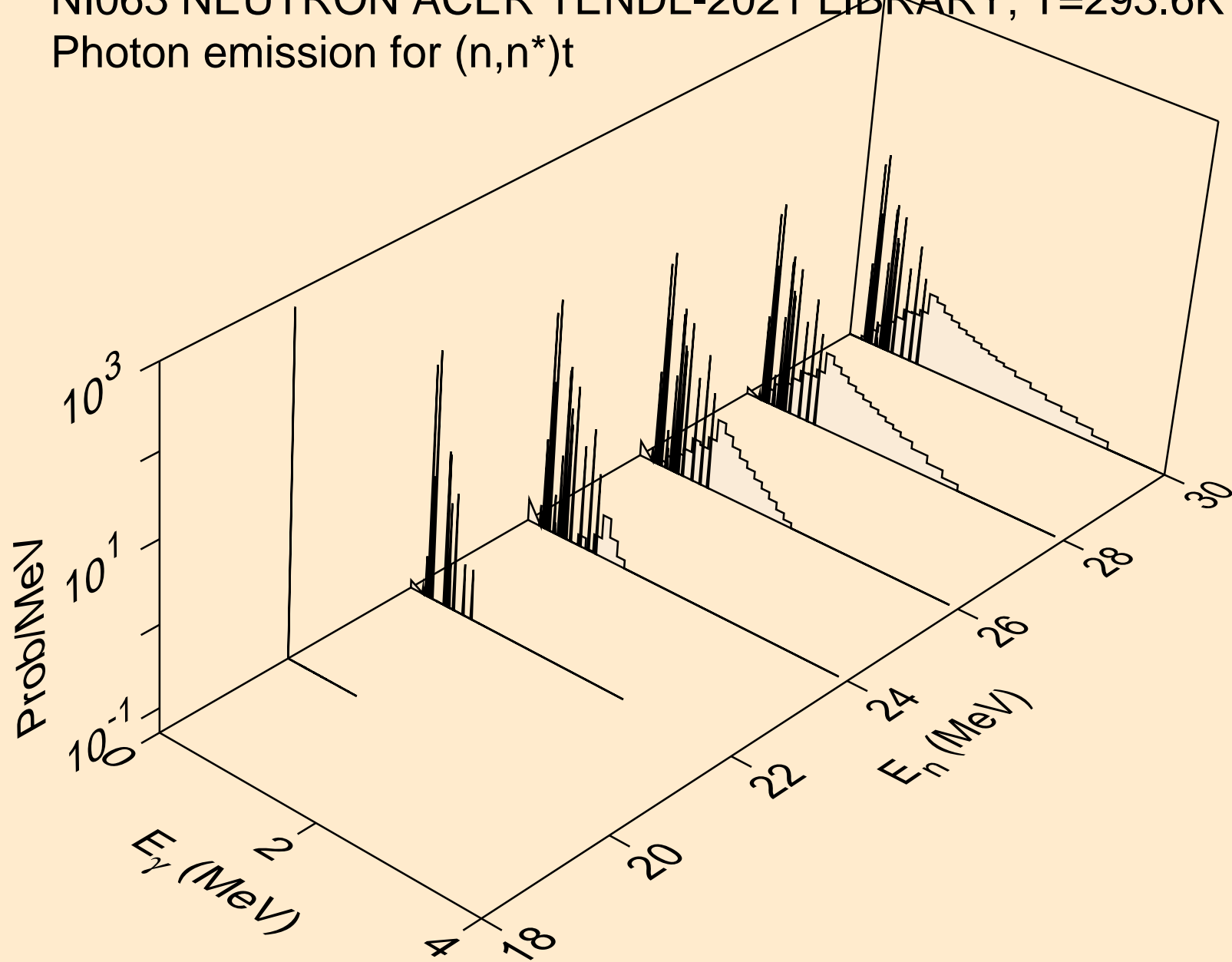
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a



NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d

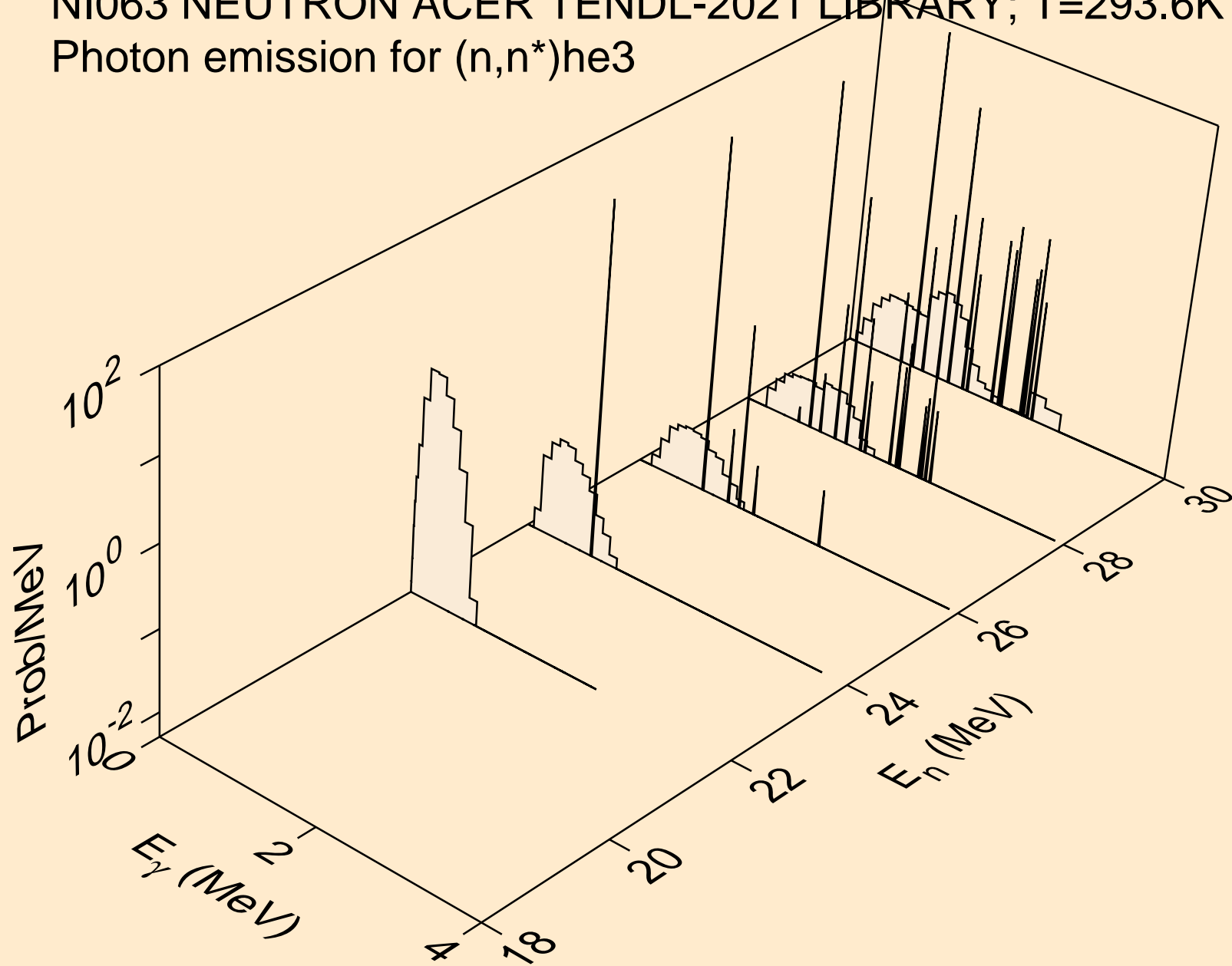


NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t

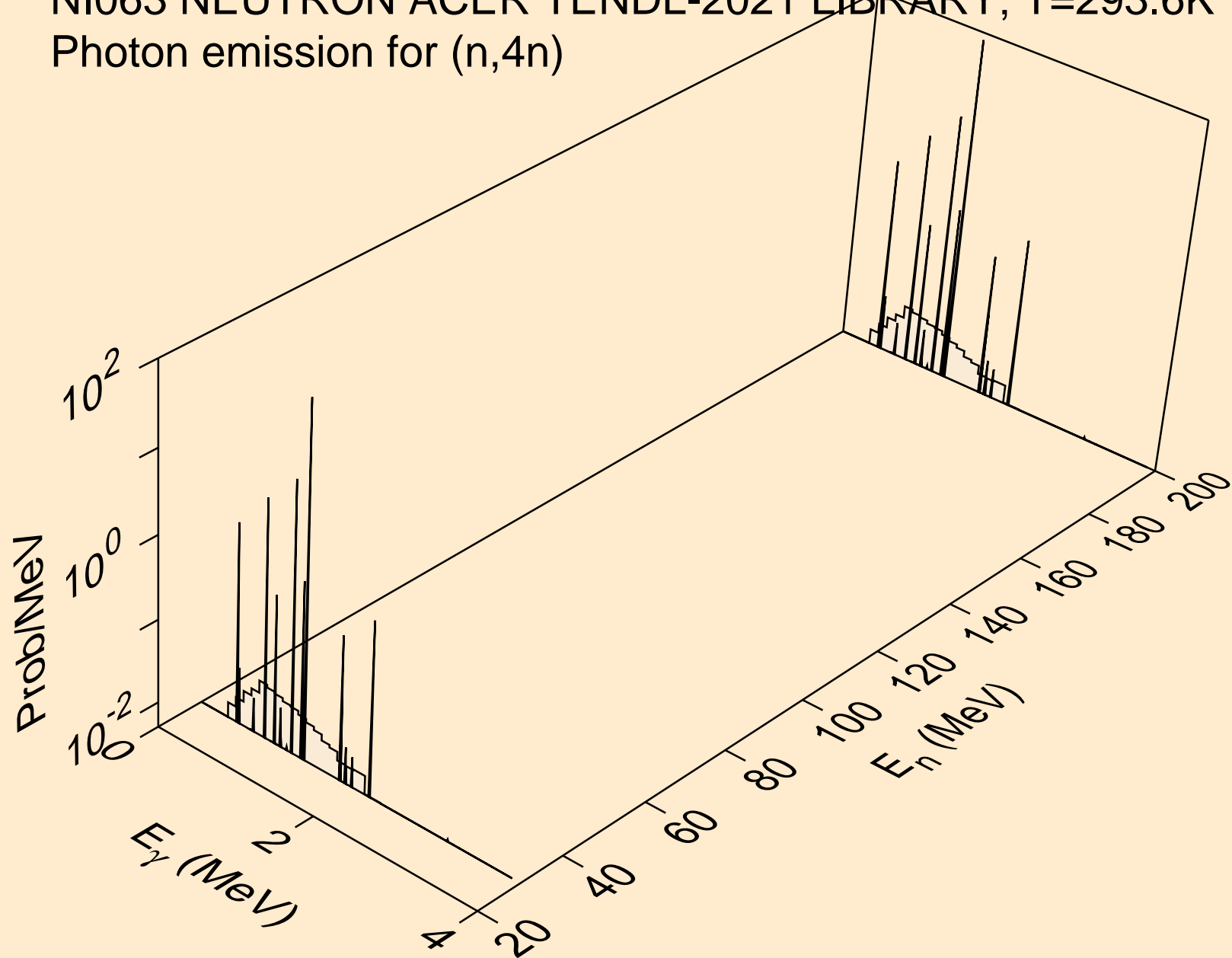




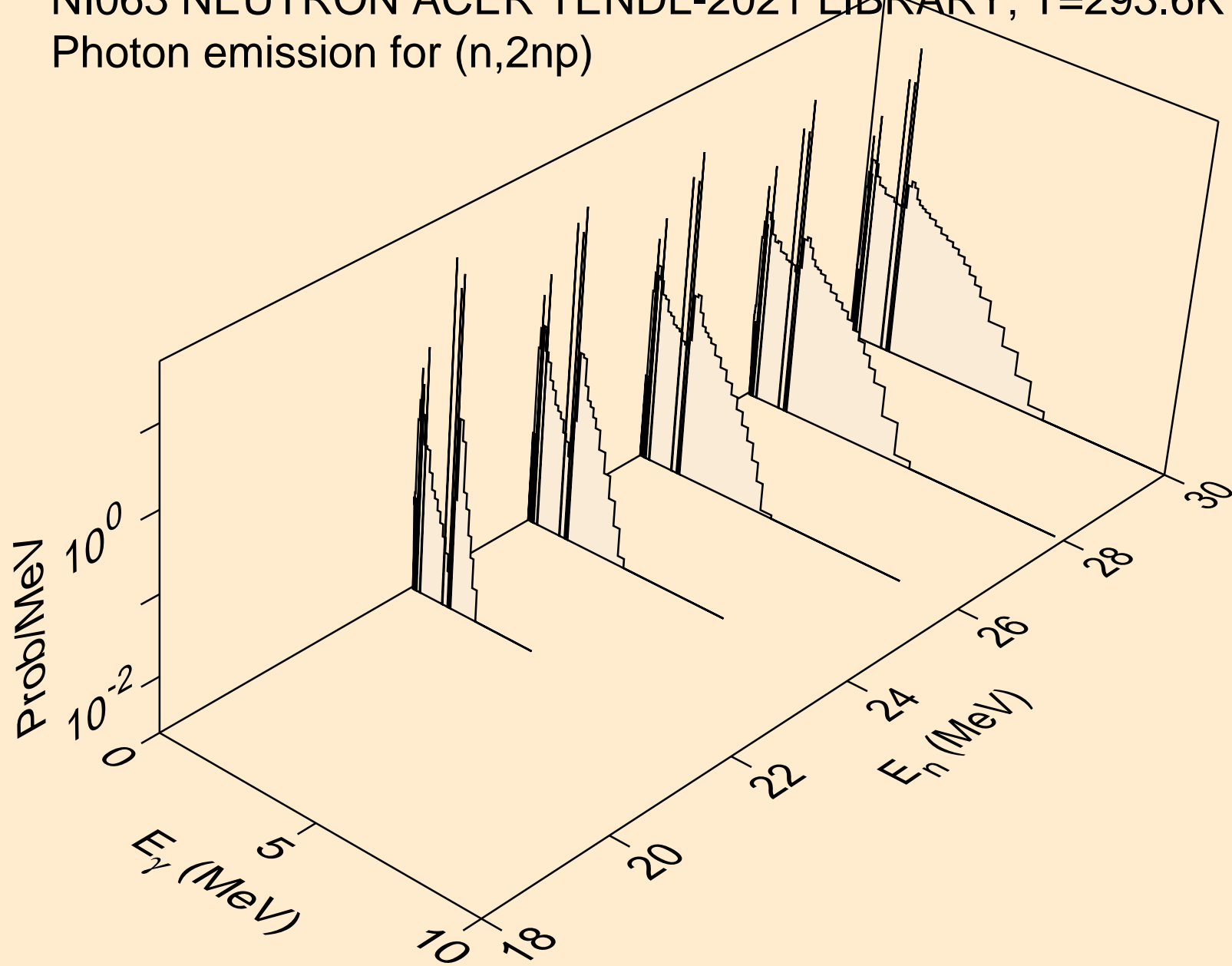
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



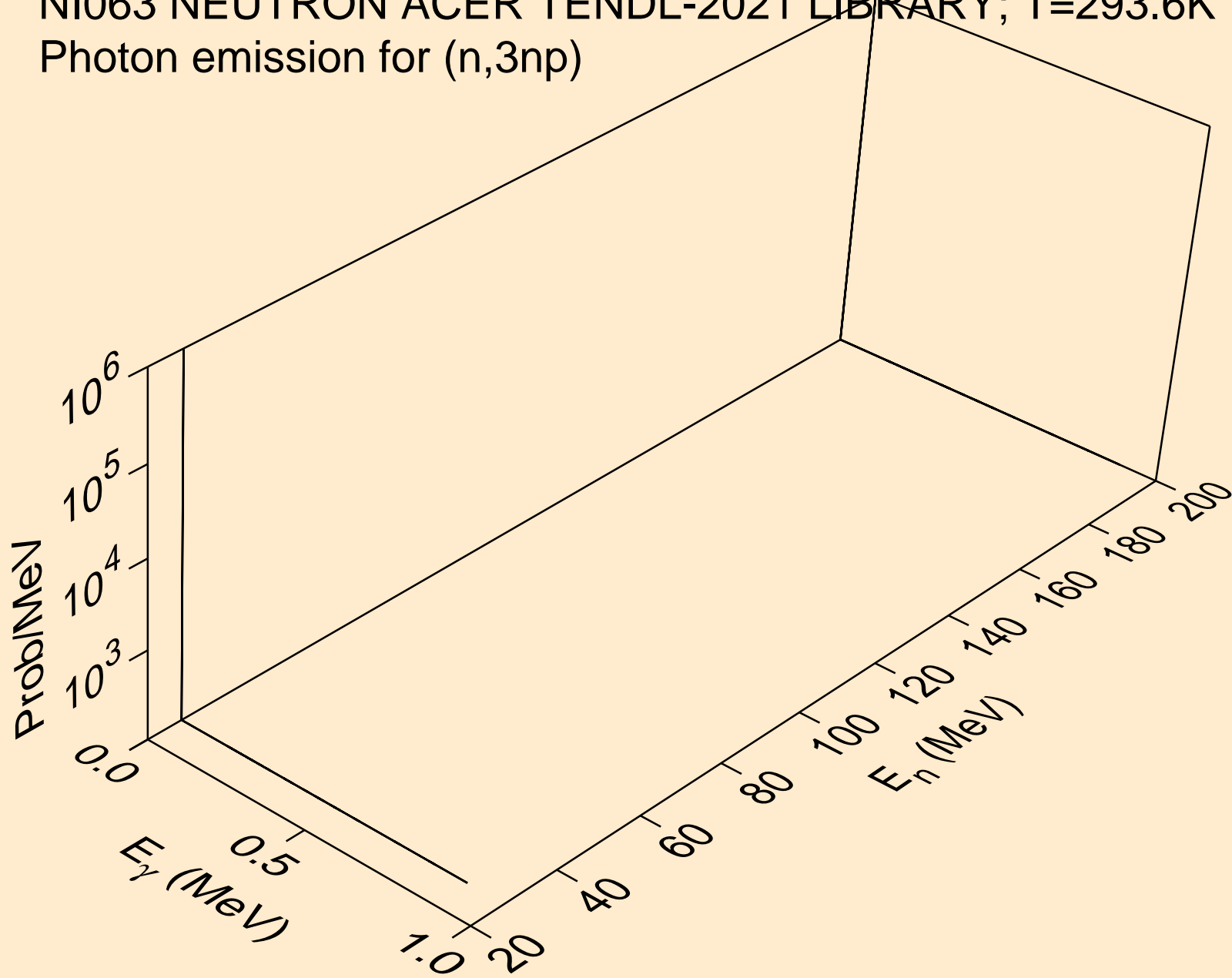
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,4n)



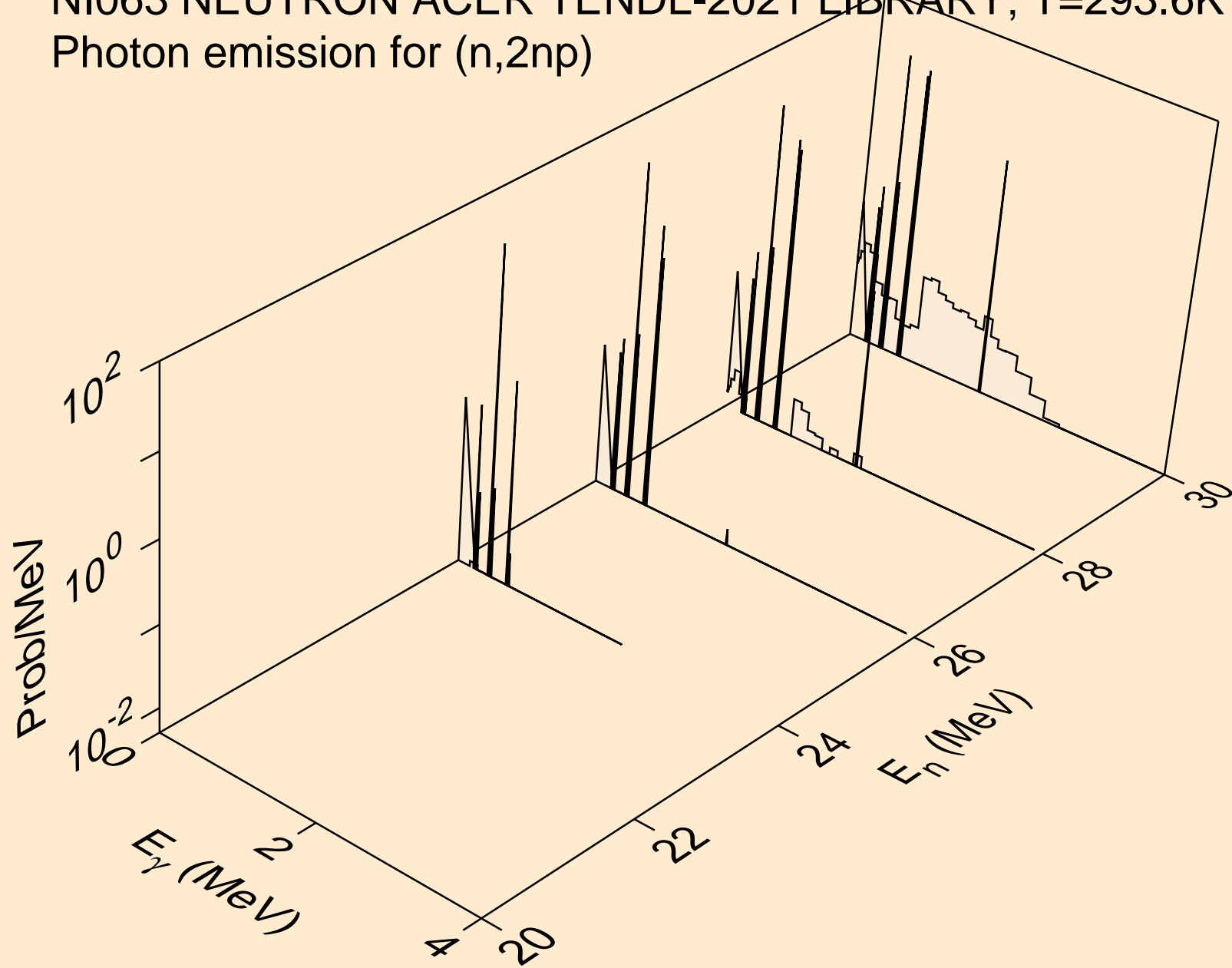
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



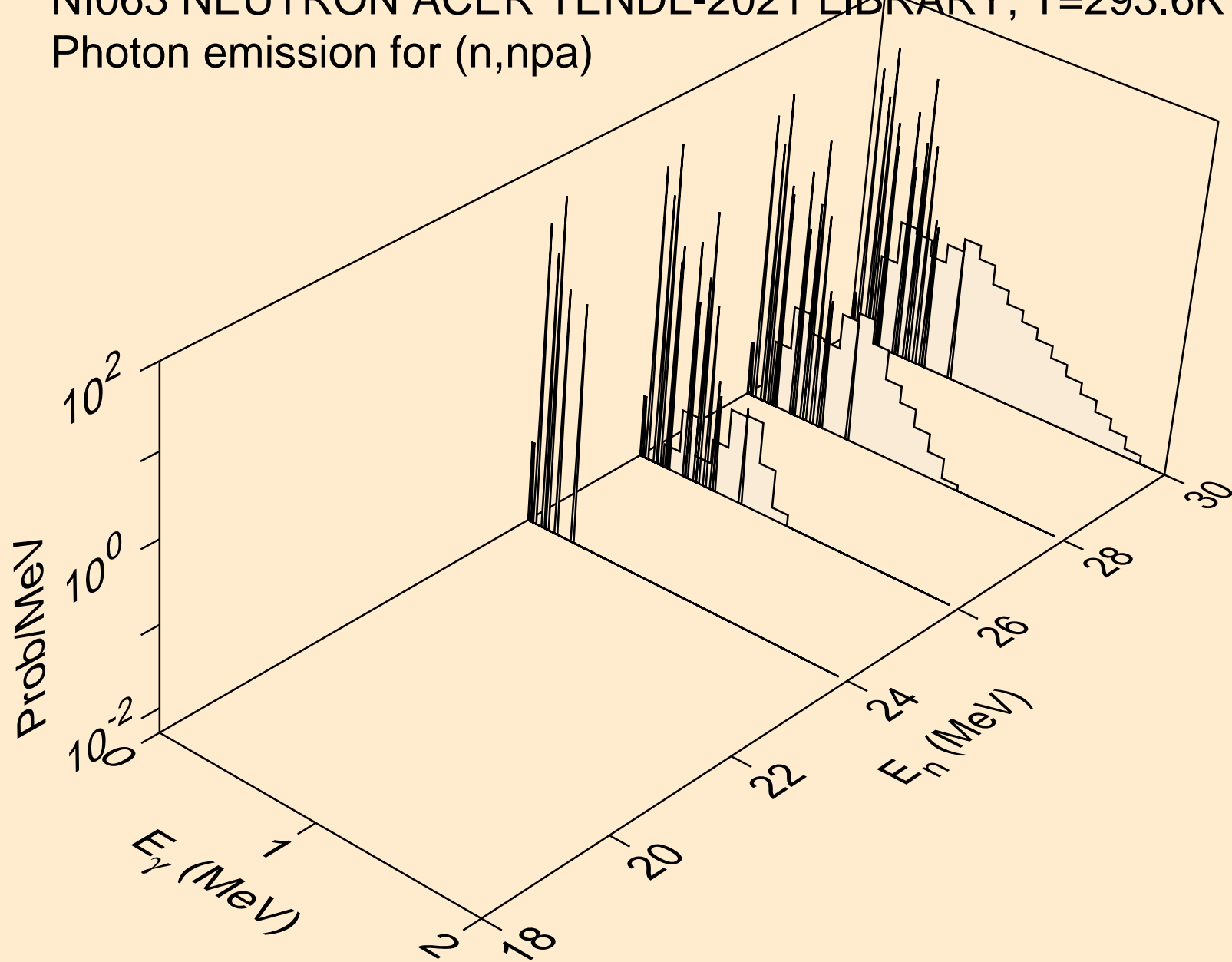
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,3np)



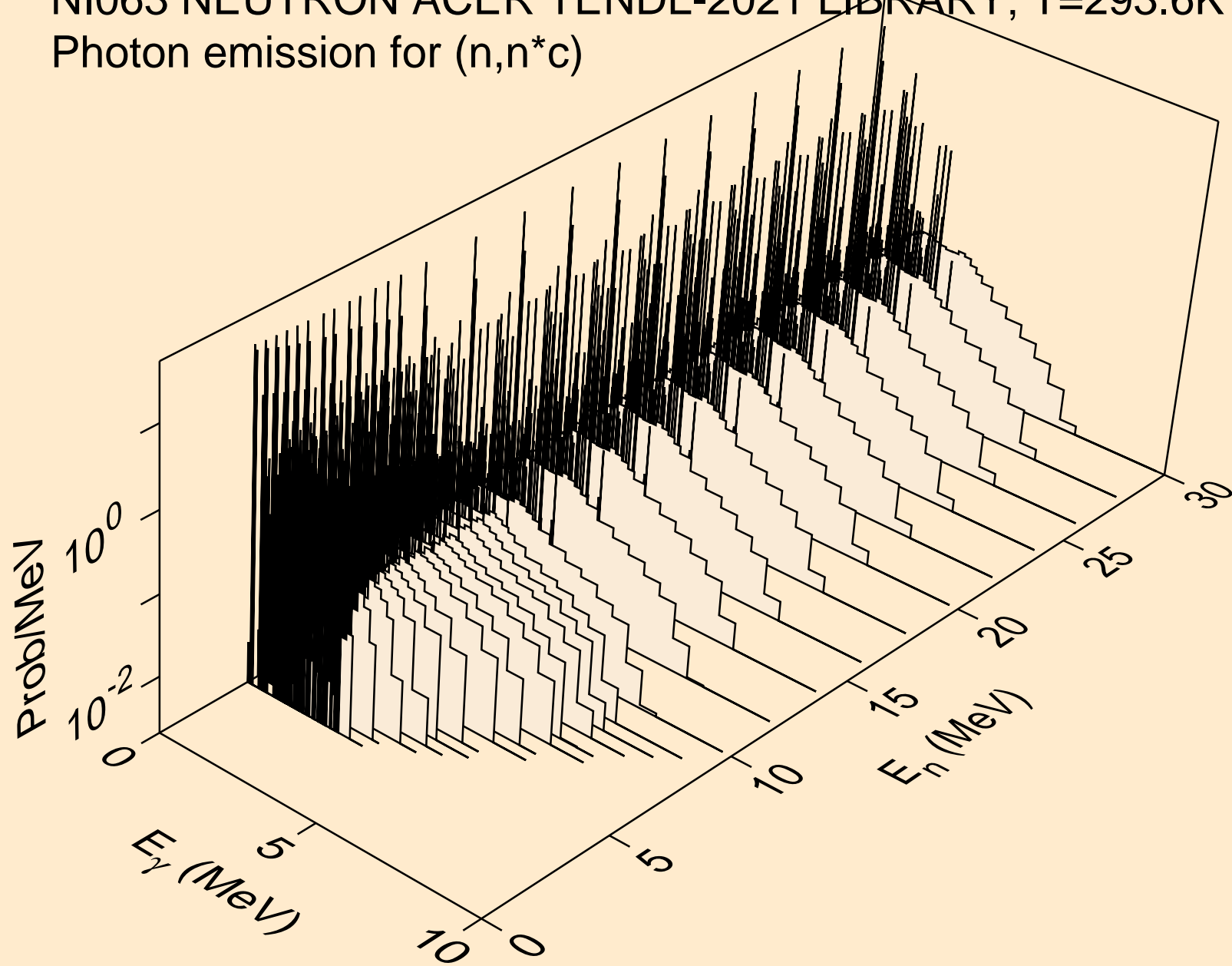
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2np)



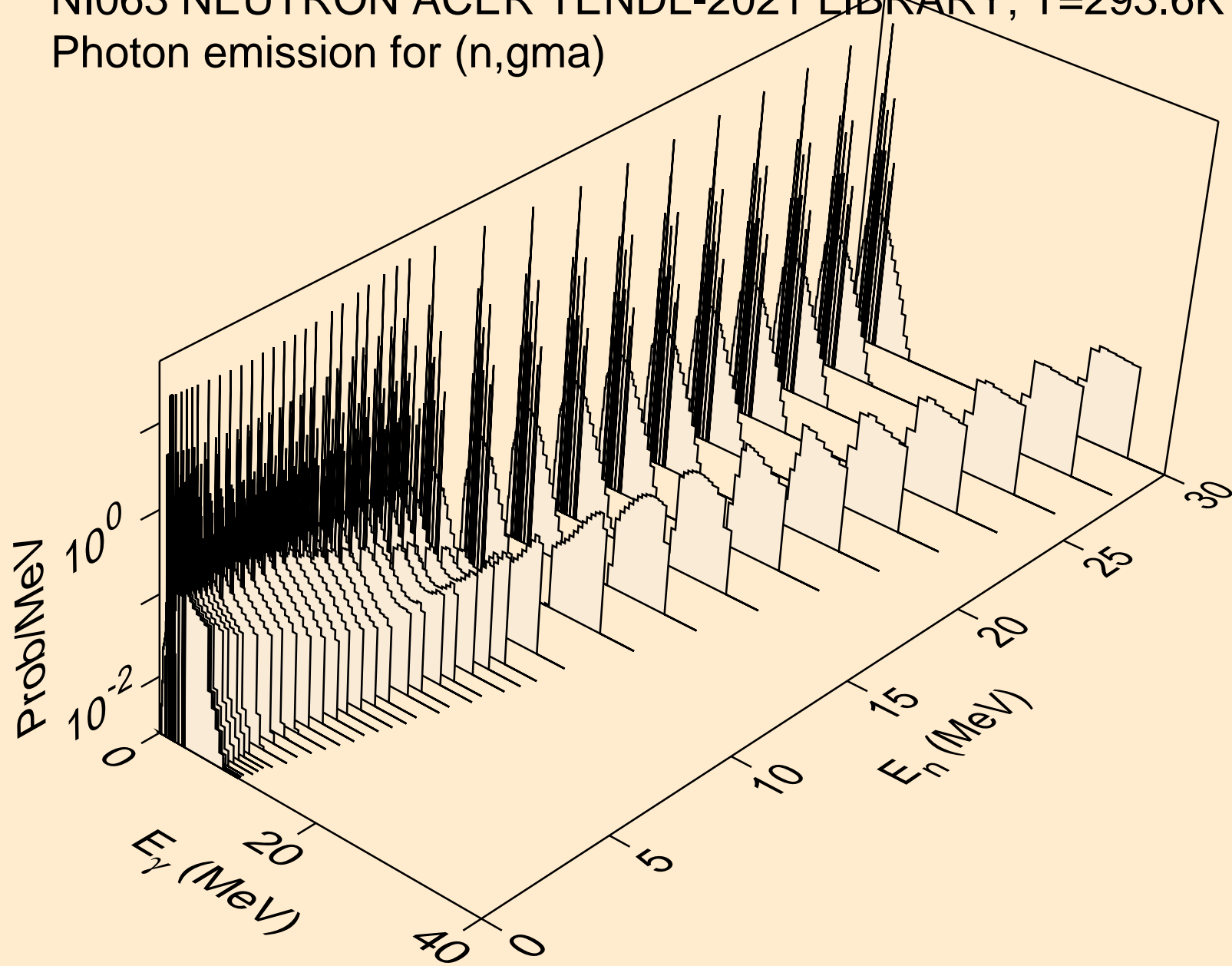
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,npa)



NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)

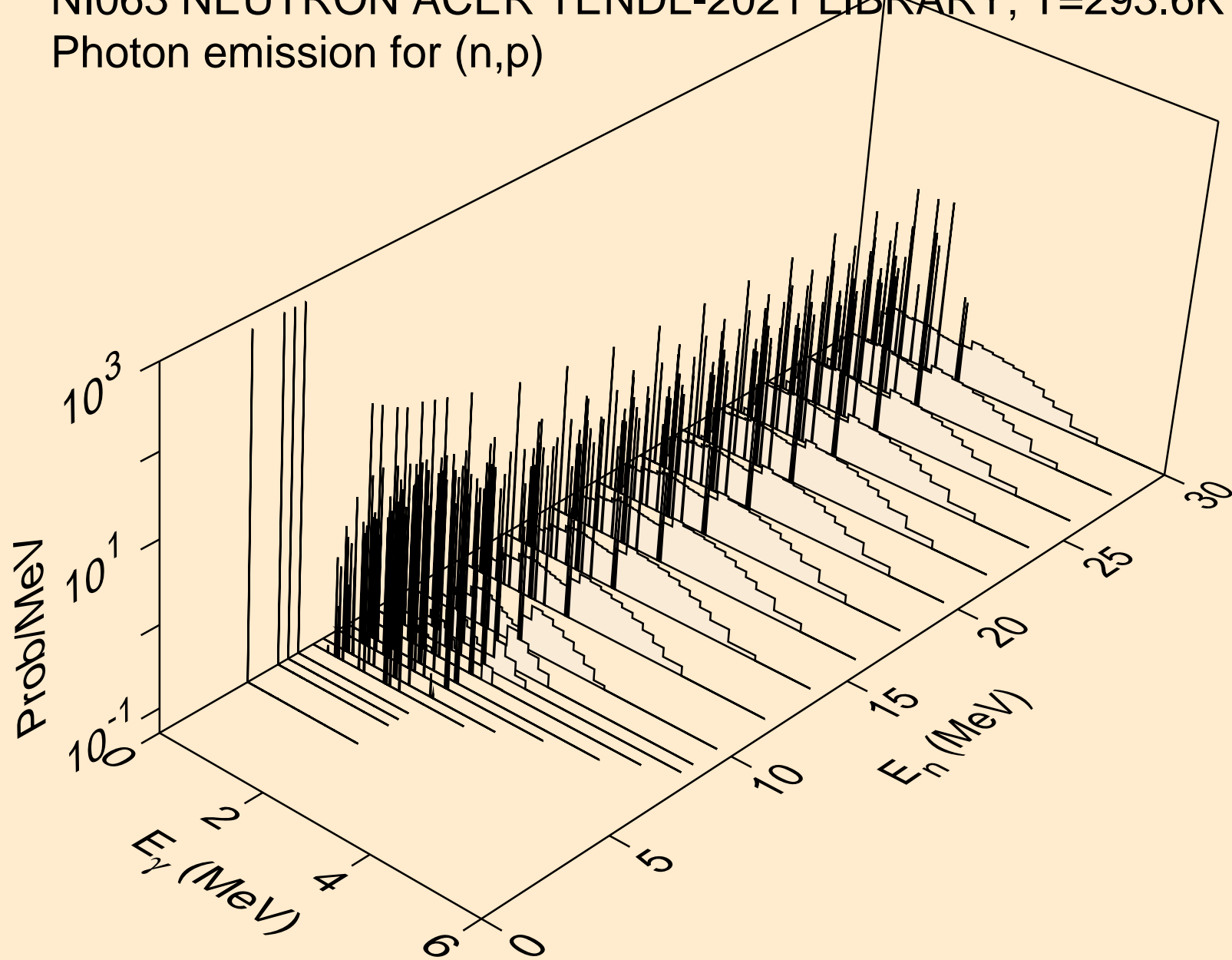


NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,gma)

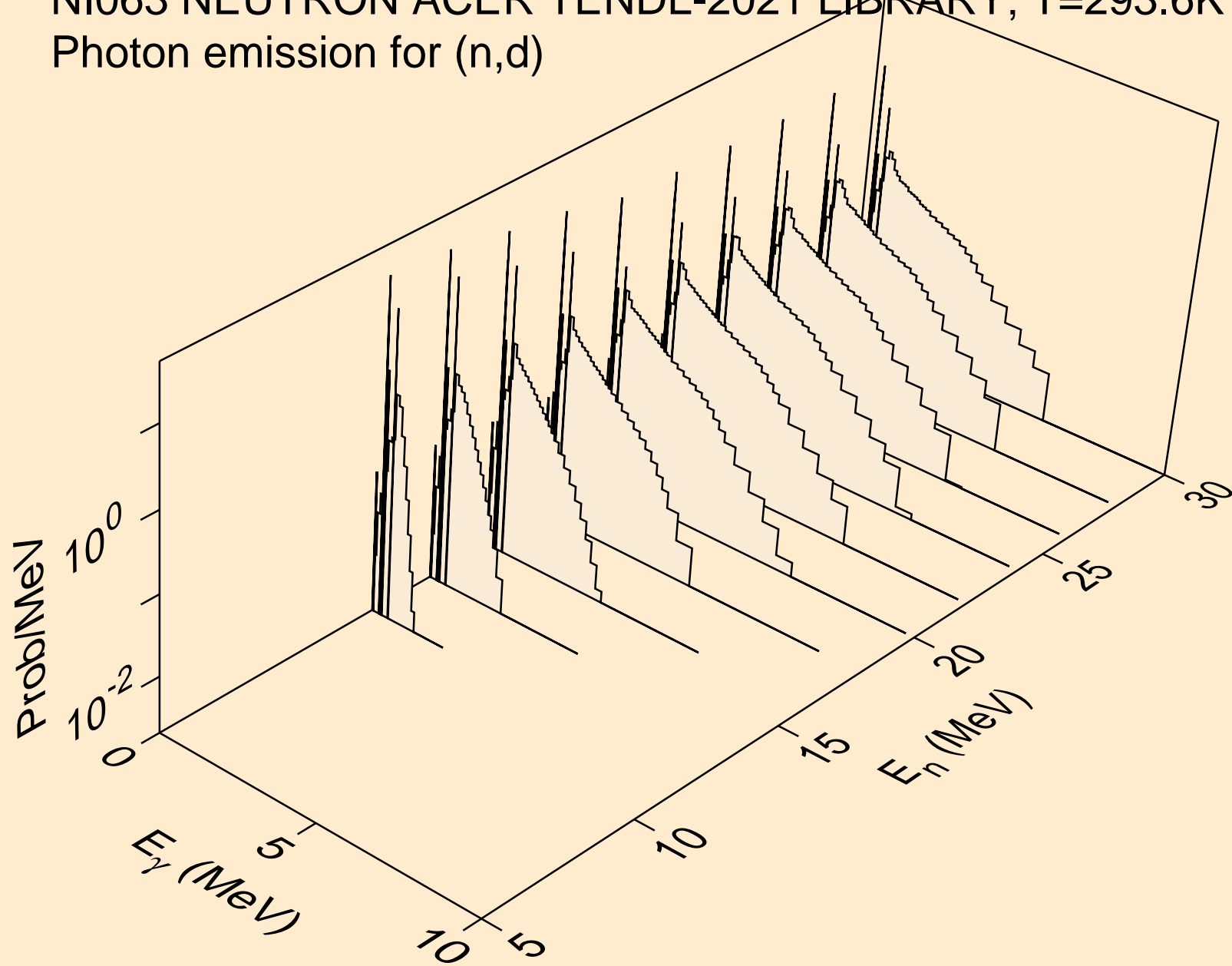




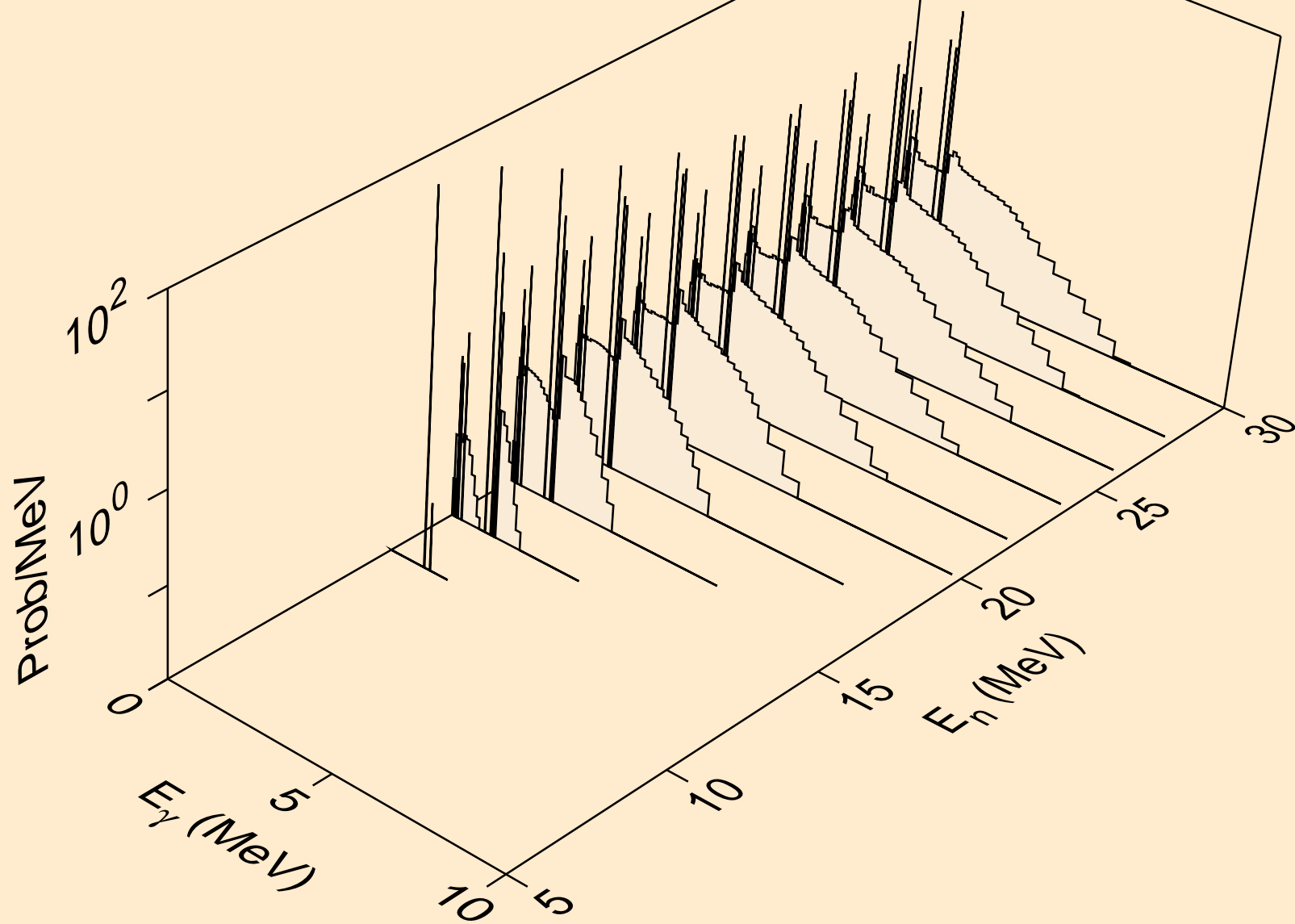
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p)



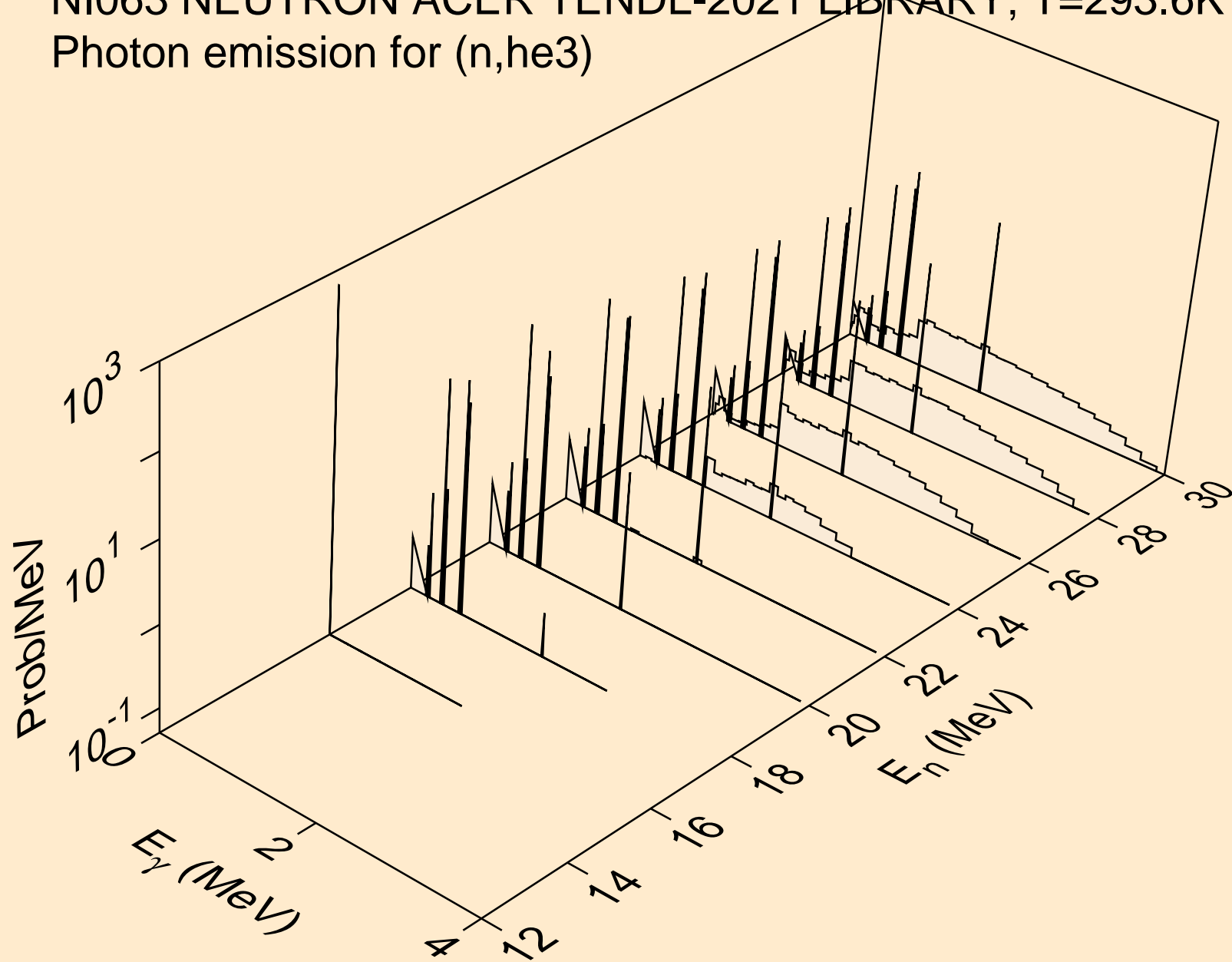
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,d)



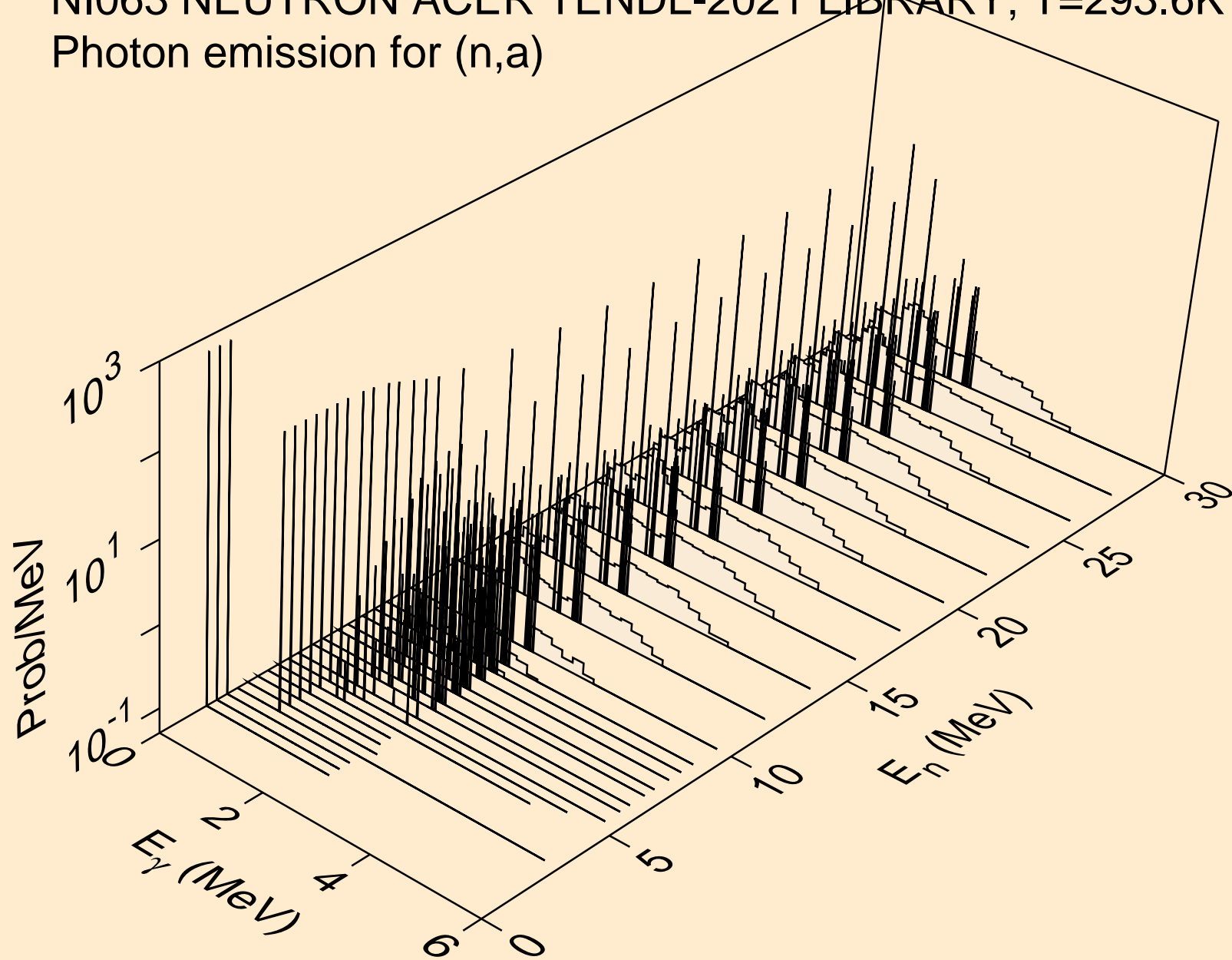
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,t)



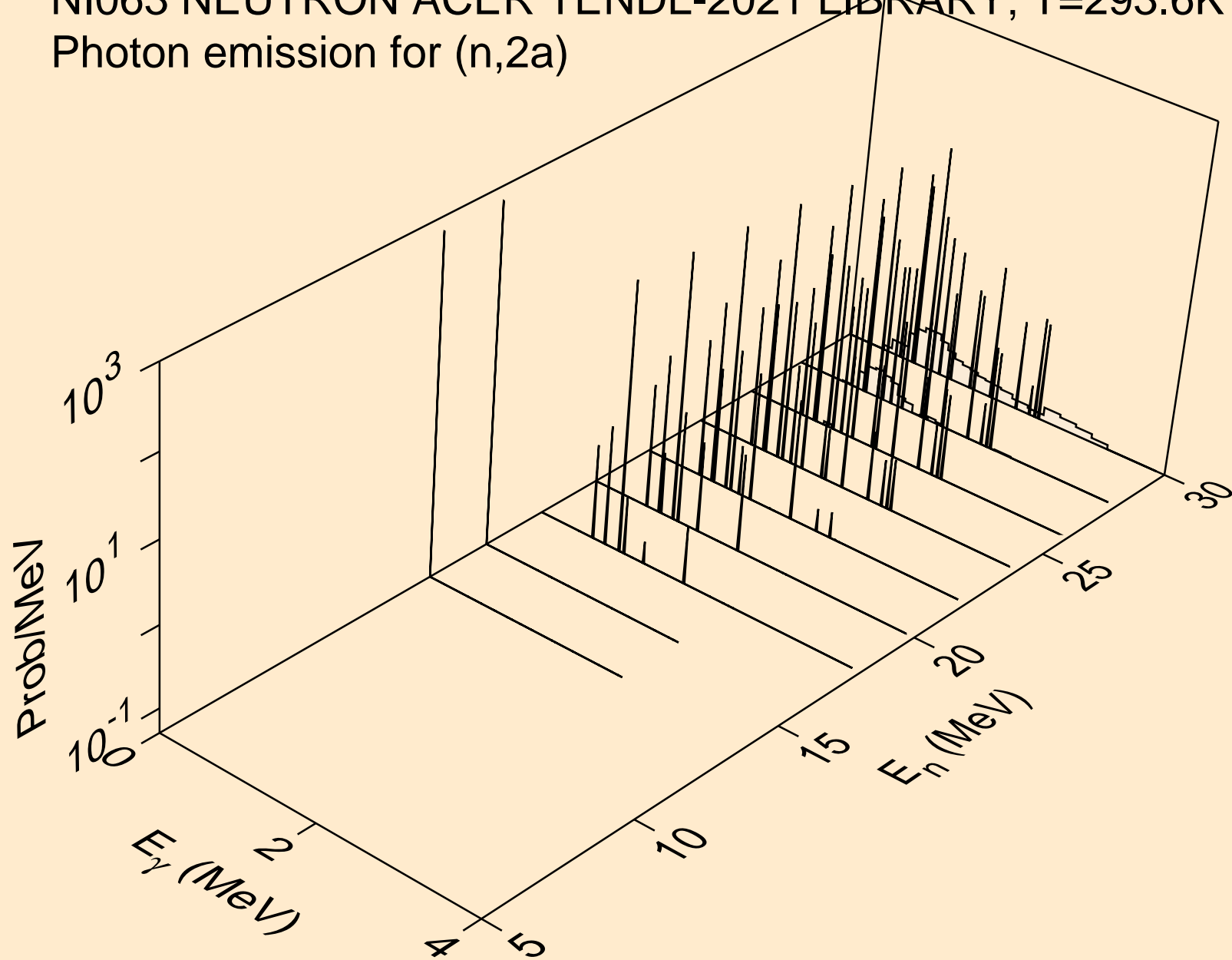
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,he3)



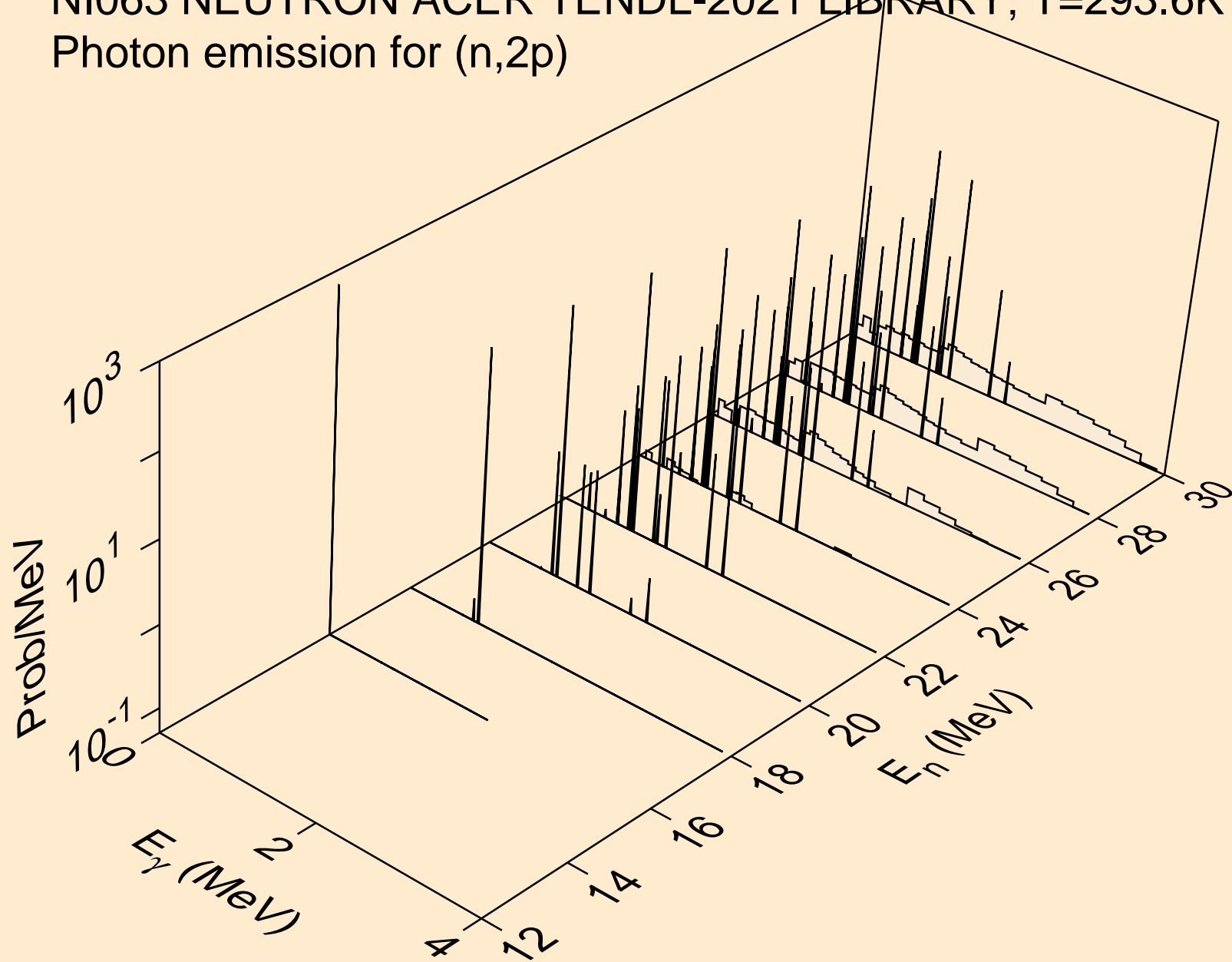
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,a)



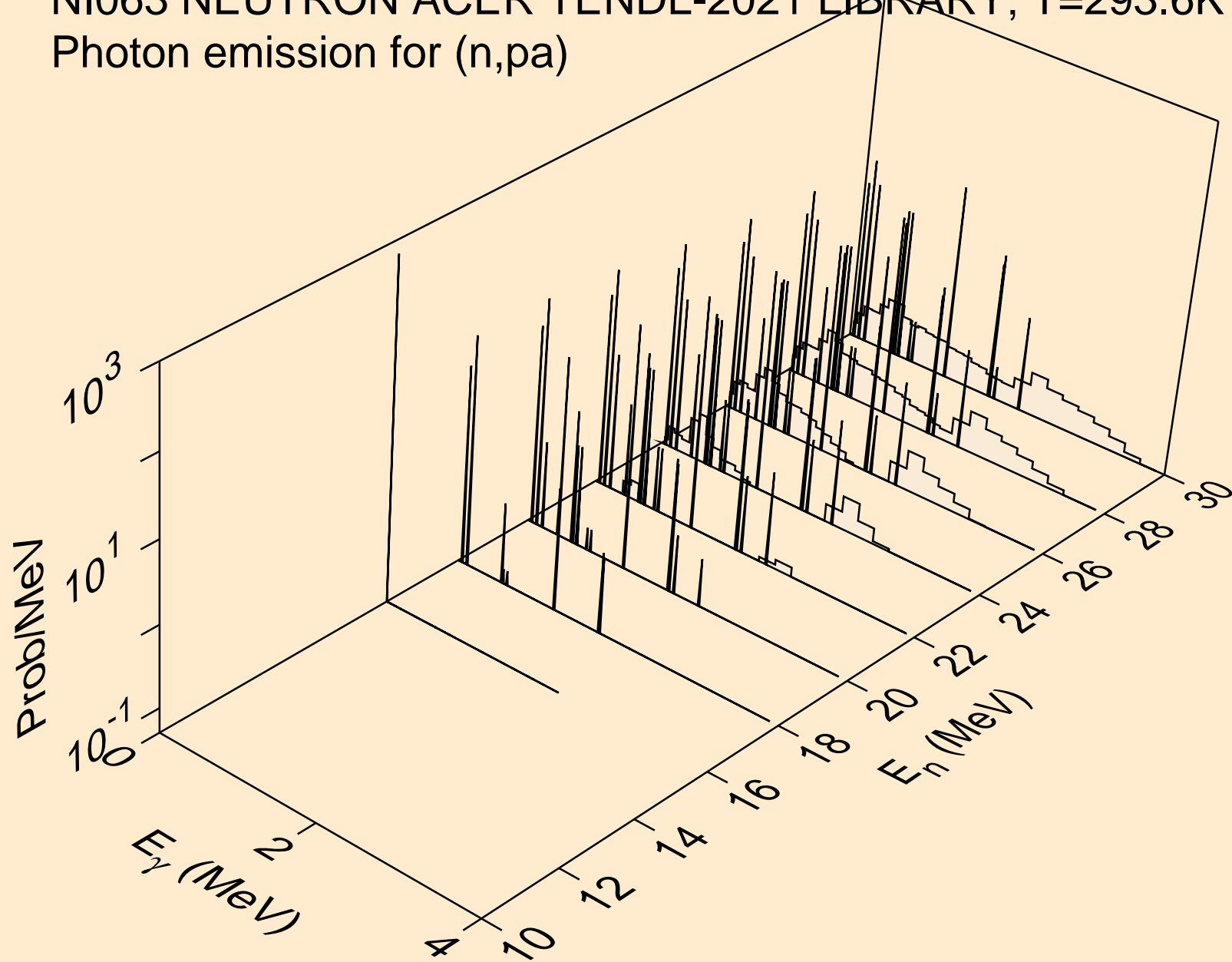
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2a)



NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,2p)

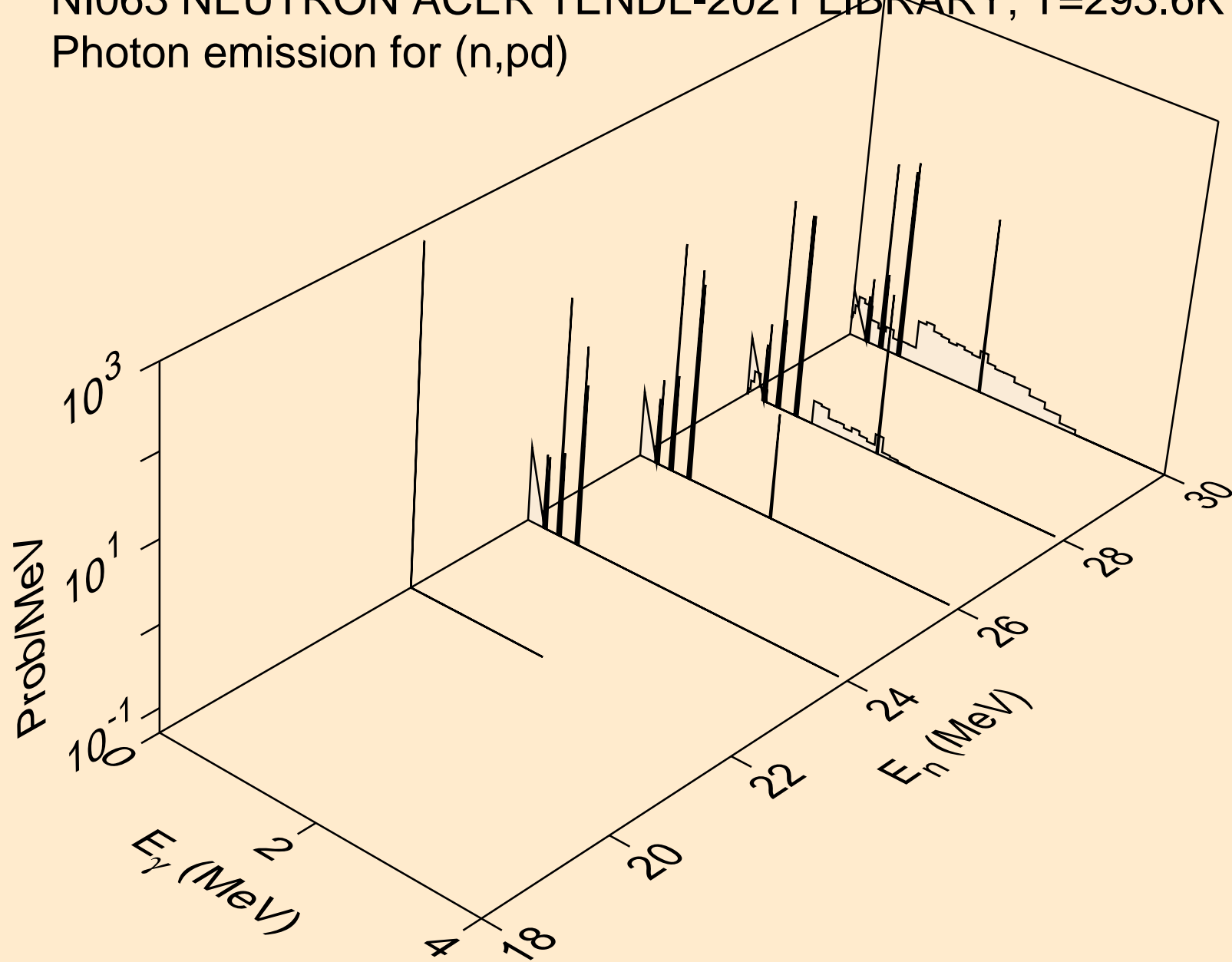


NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,p $\alpha$ )

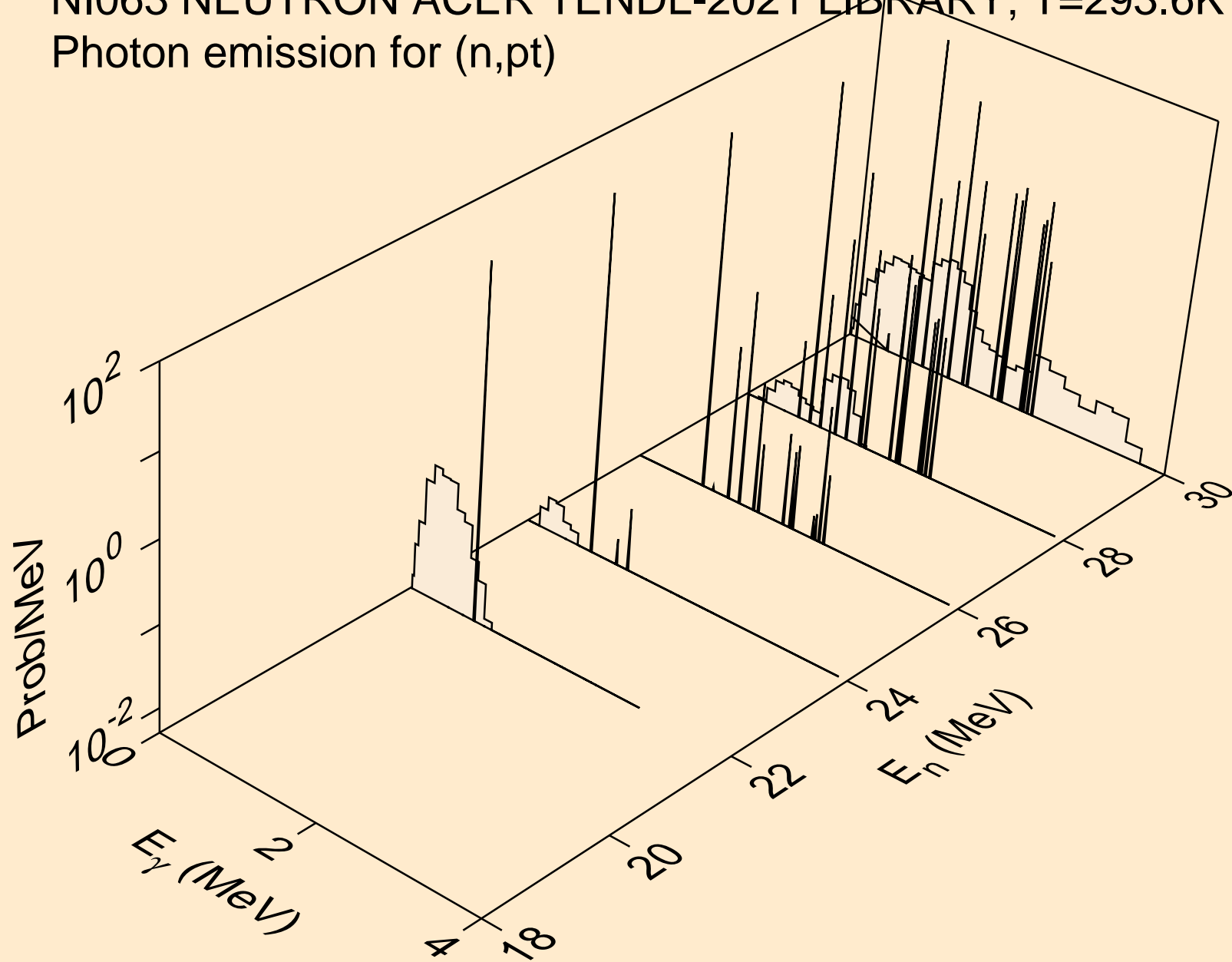




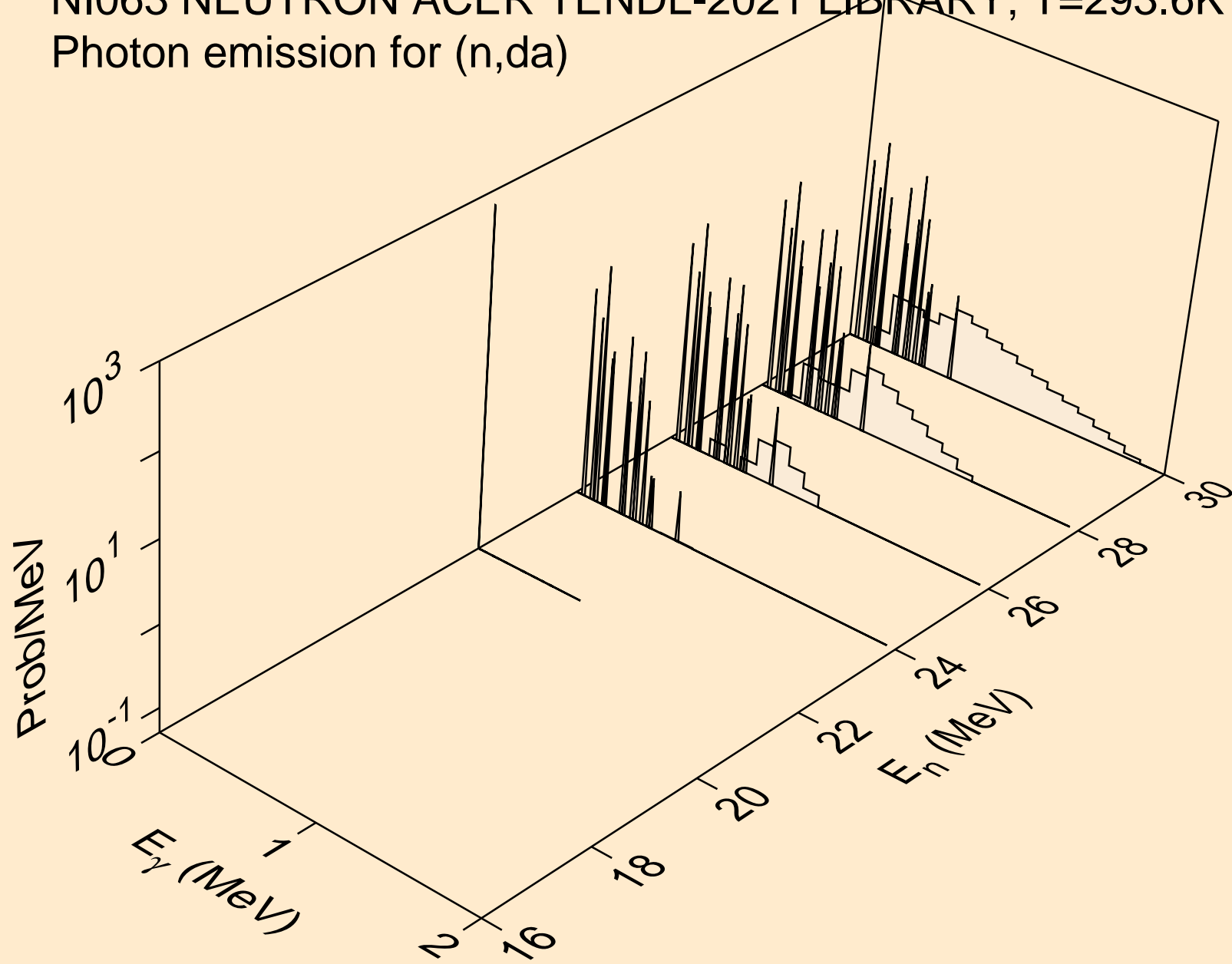
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pd)



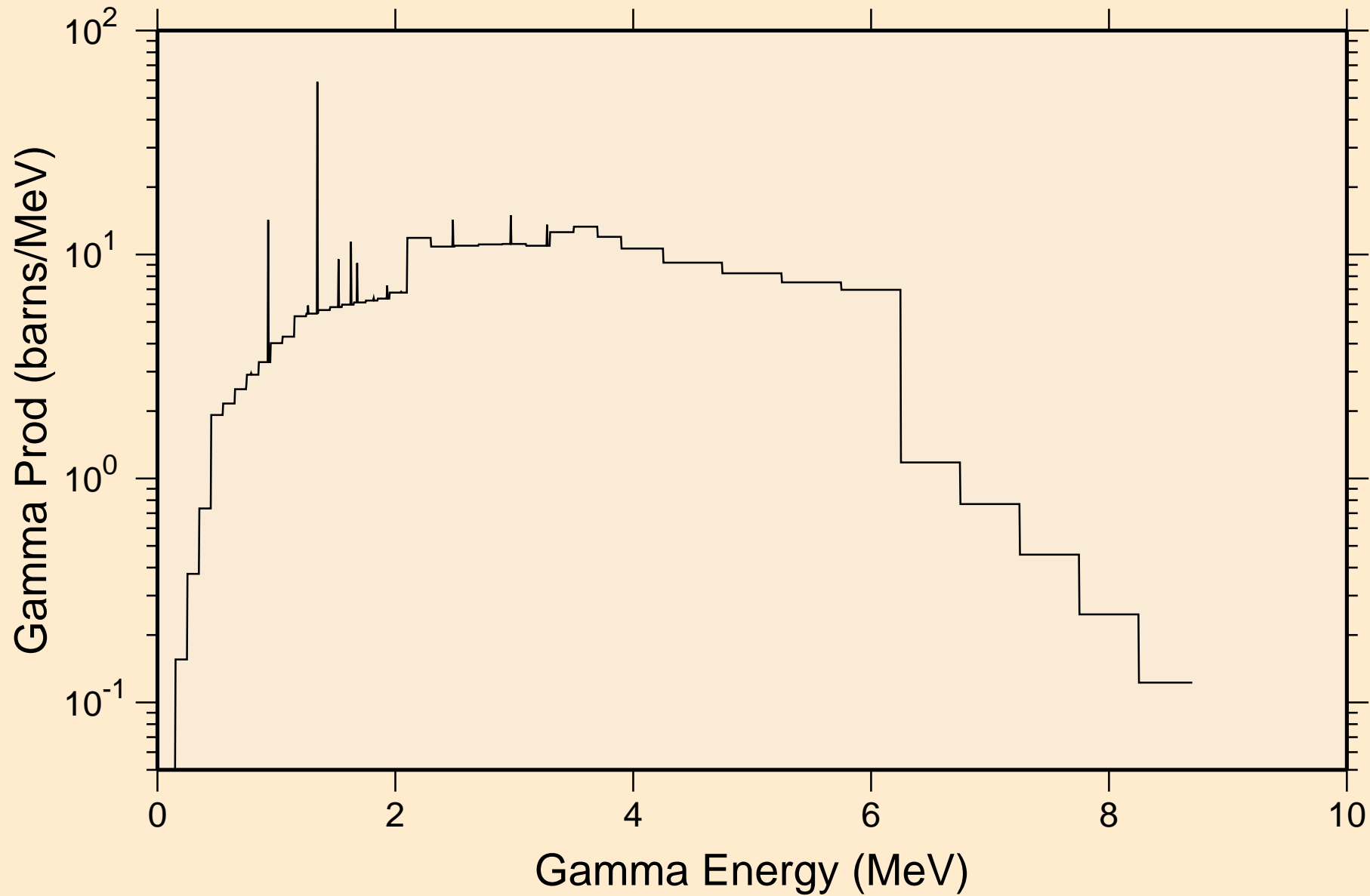
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,pt)



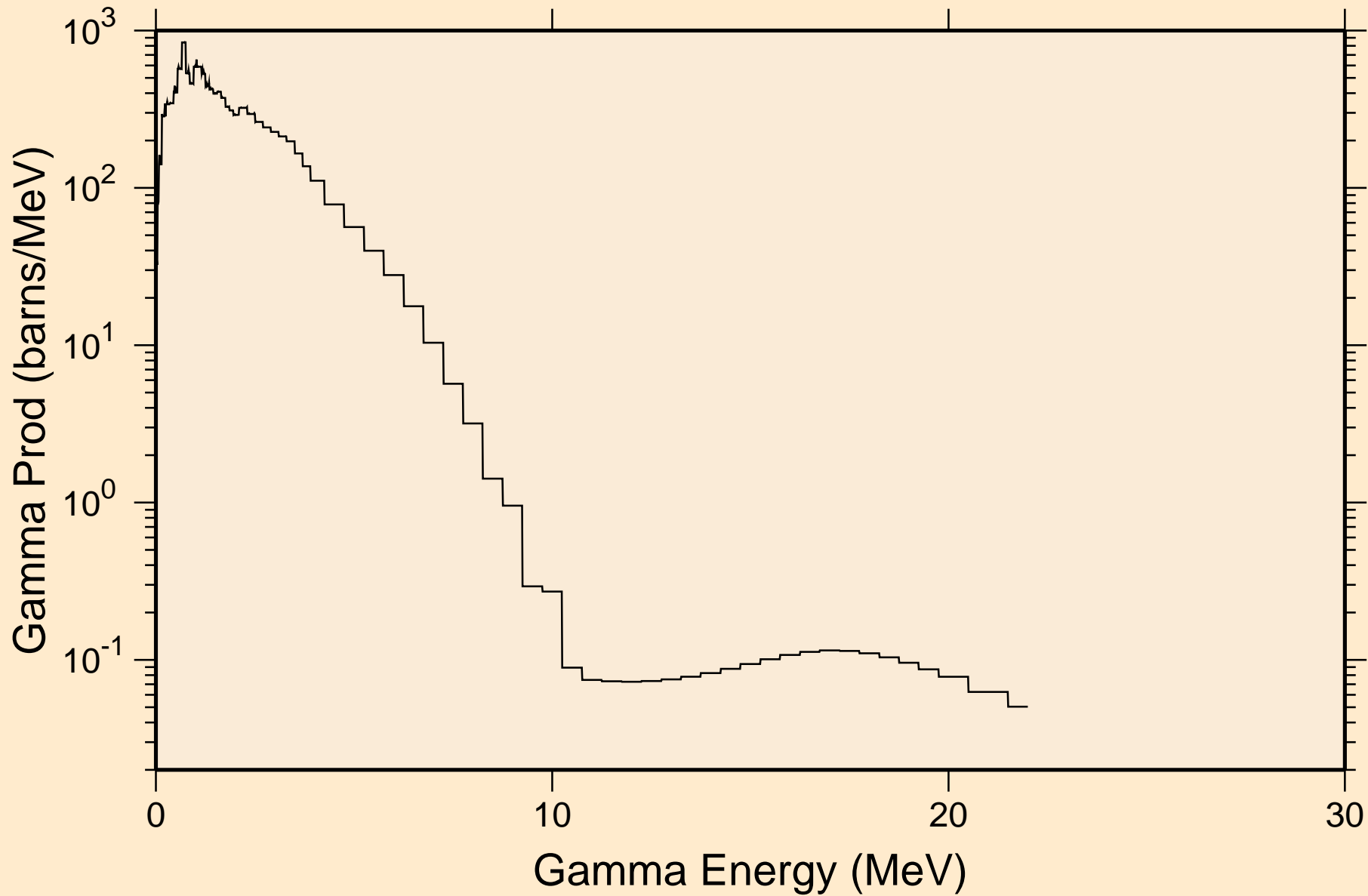
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Photon emission for (n,da)



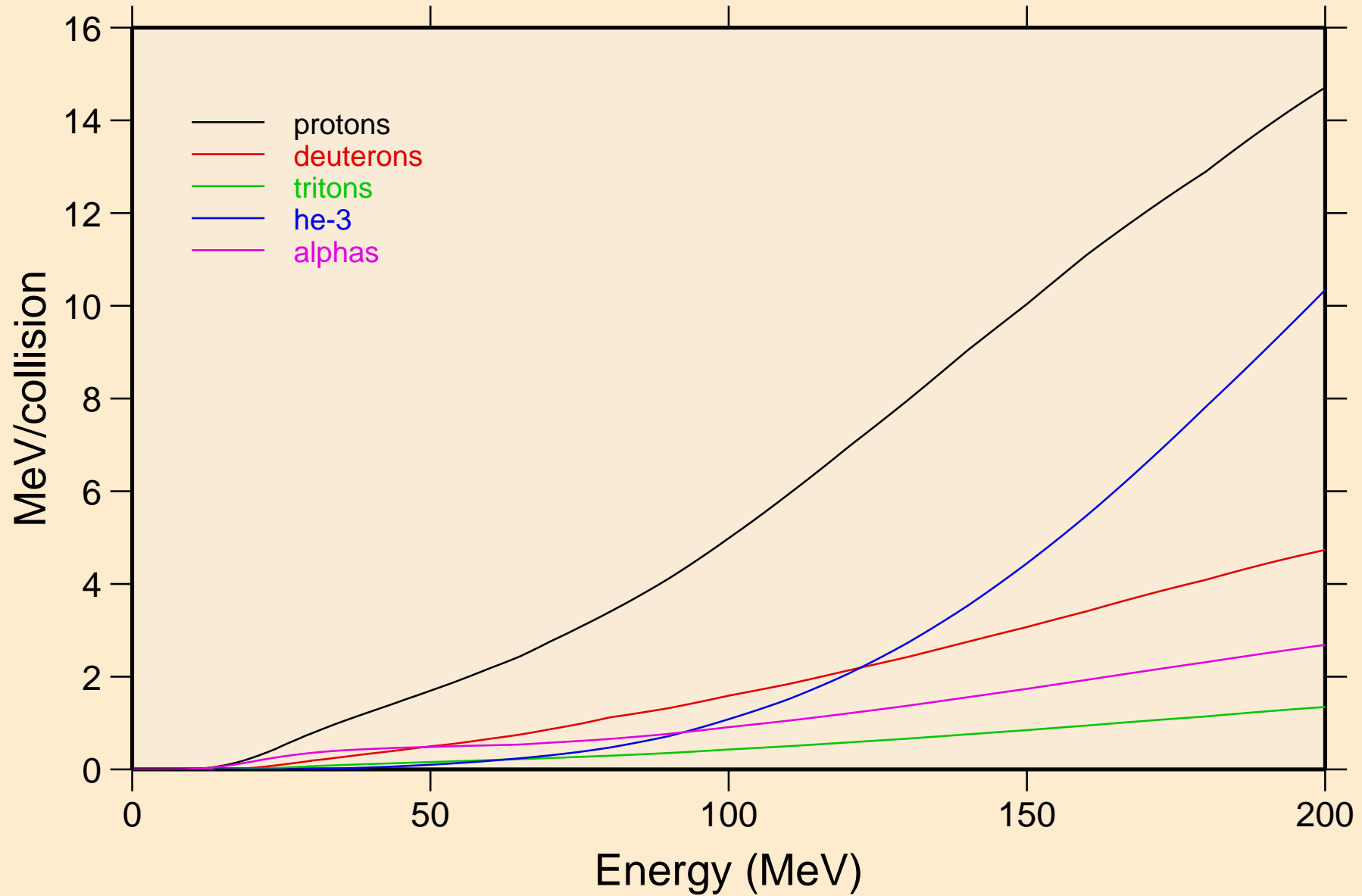
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
thermal capture photon spectrum



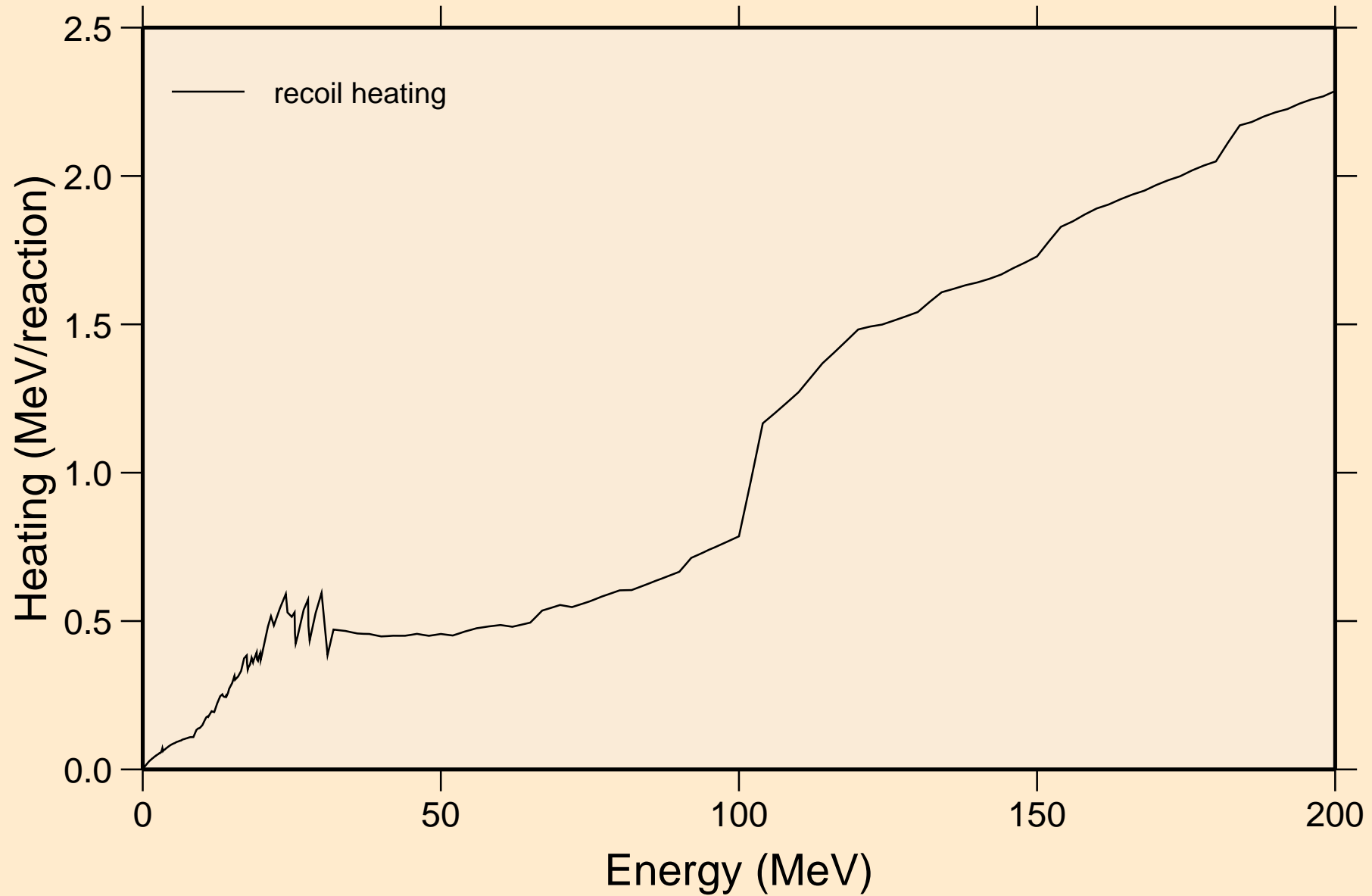
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
14 MeV photon spectrum



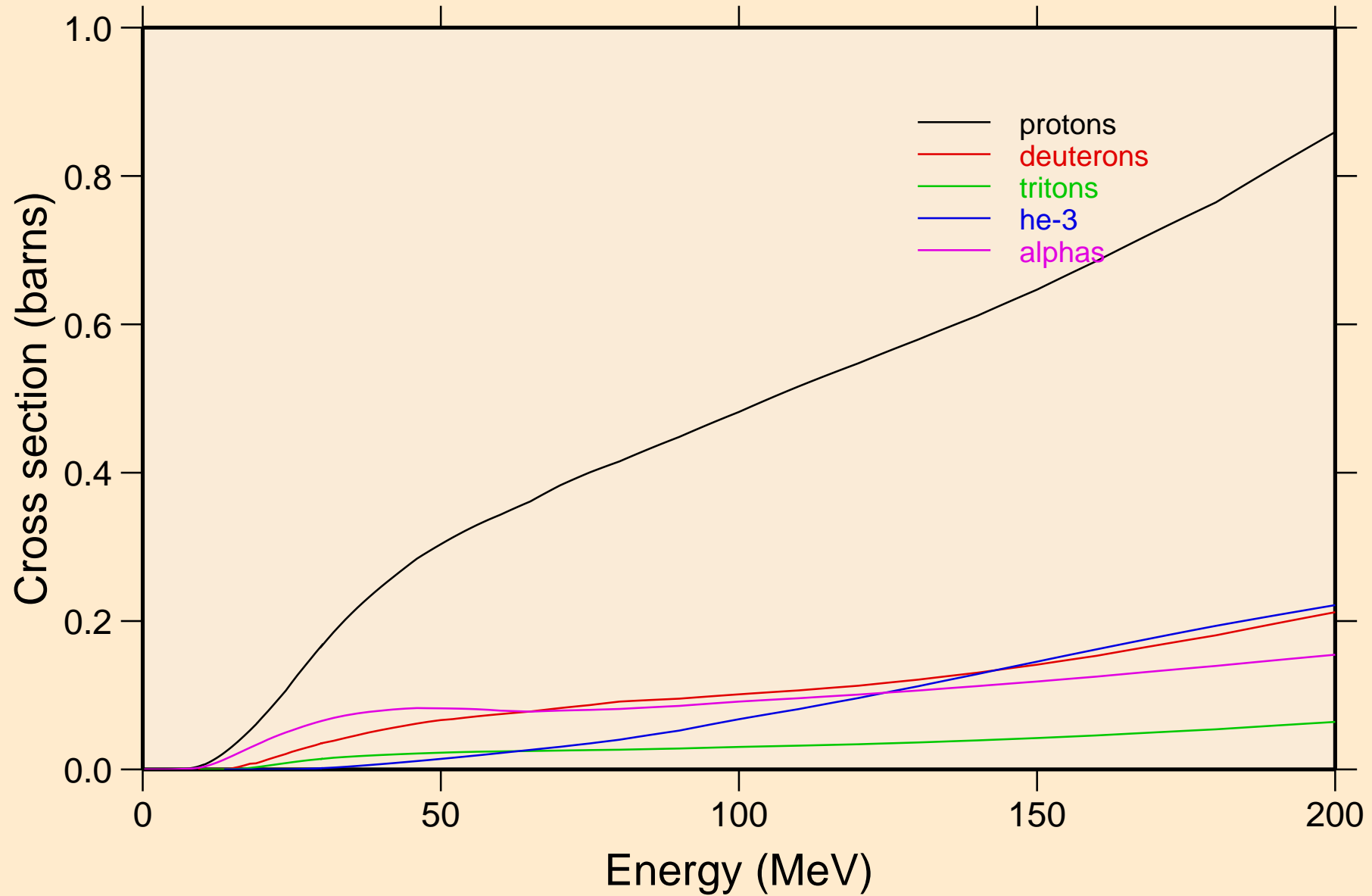
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle heating contributions



NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Recoil Heating

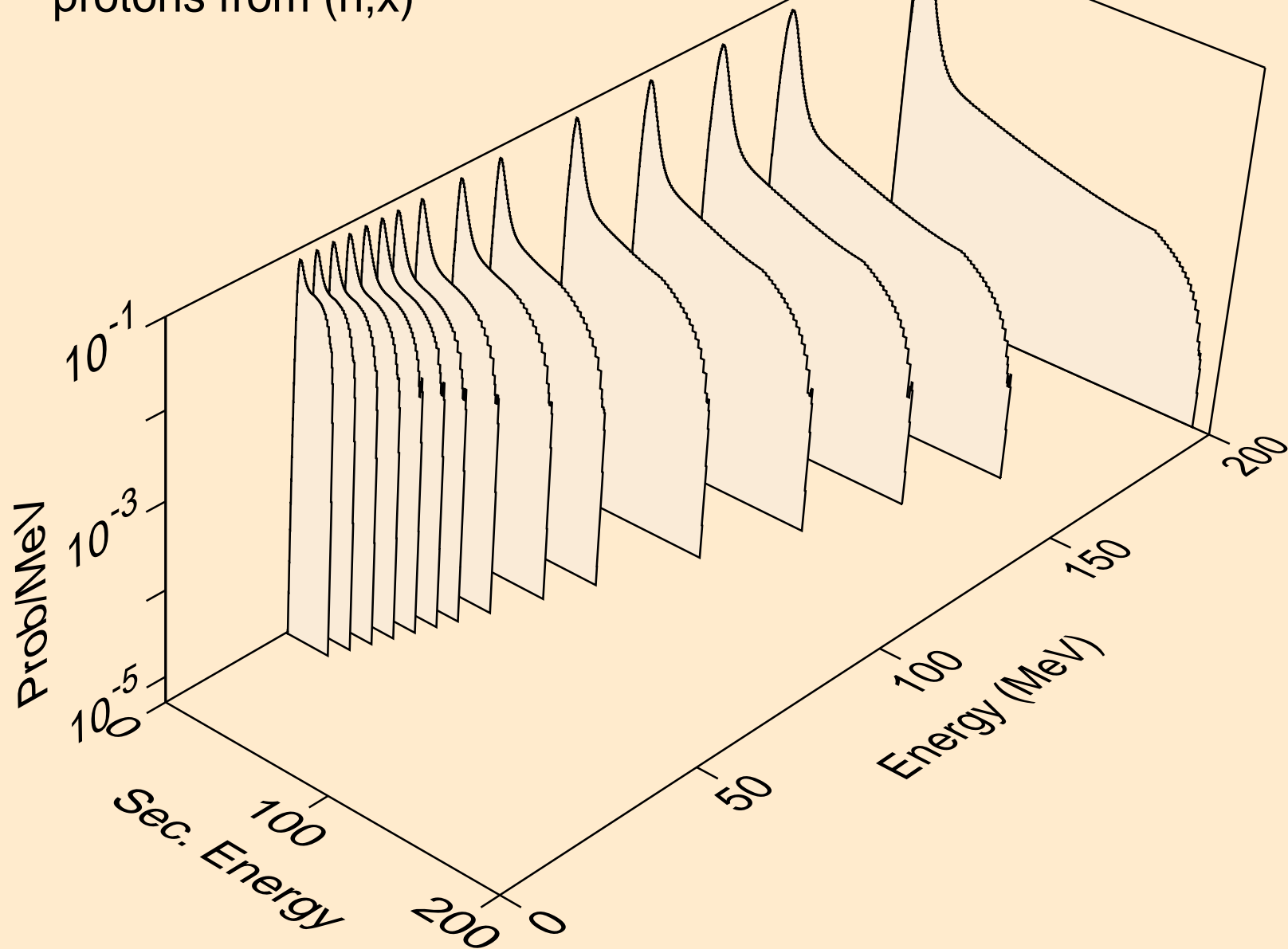


NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
Particle production cross sections

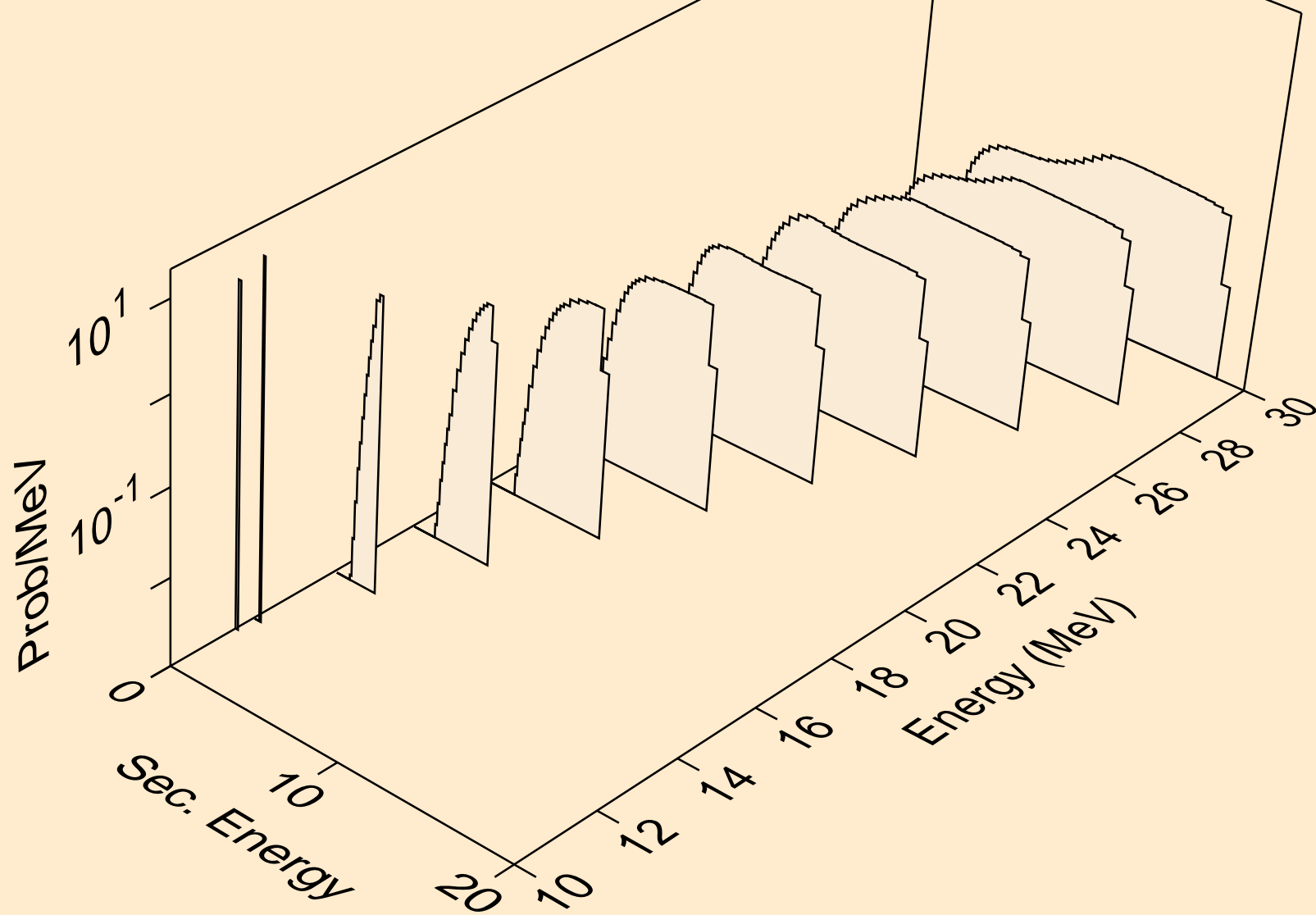




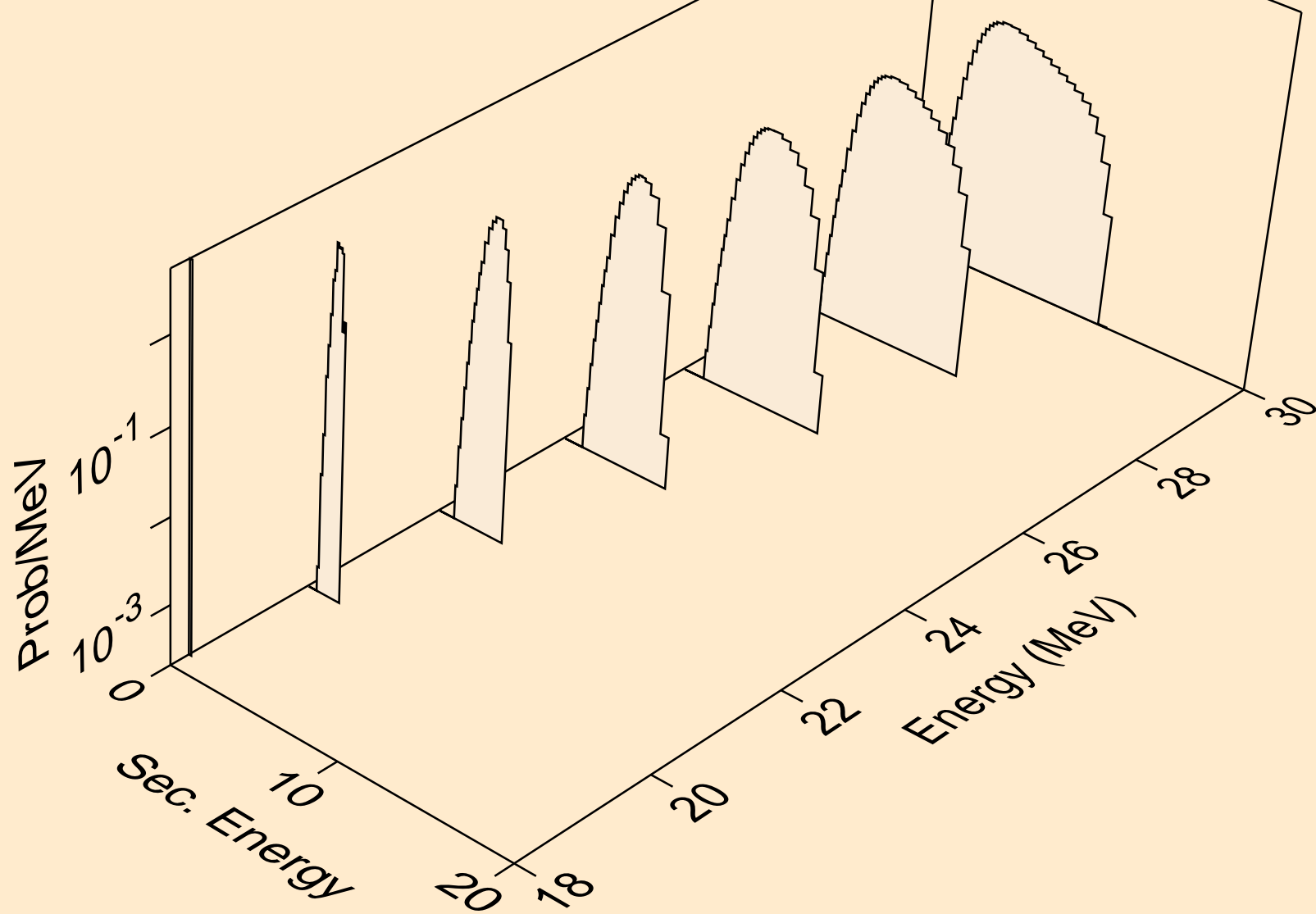
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,x)



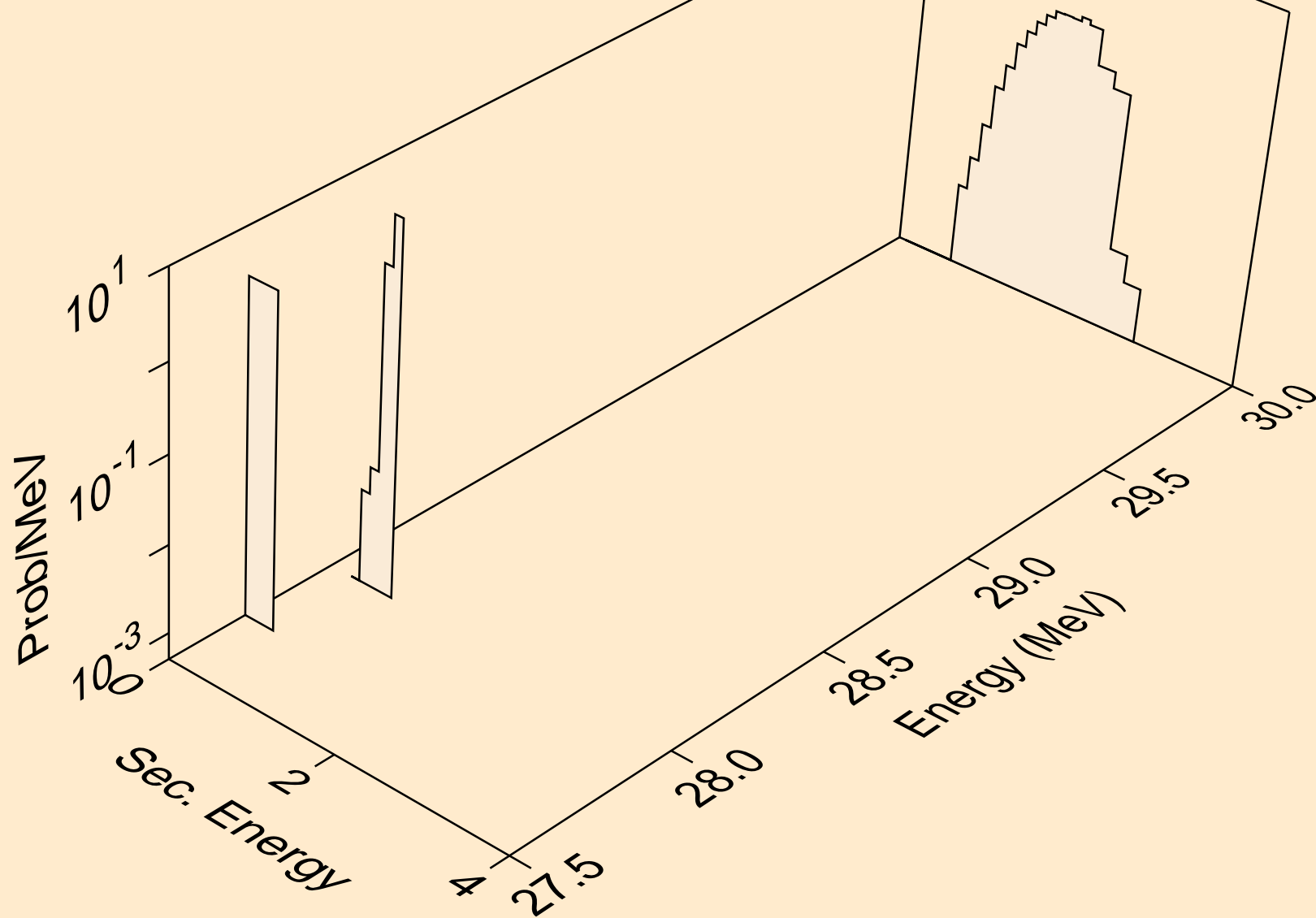
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,n\*)p



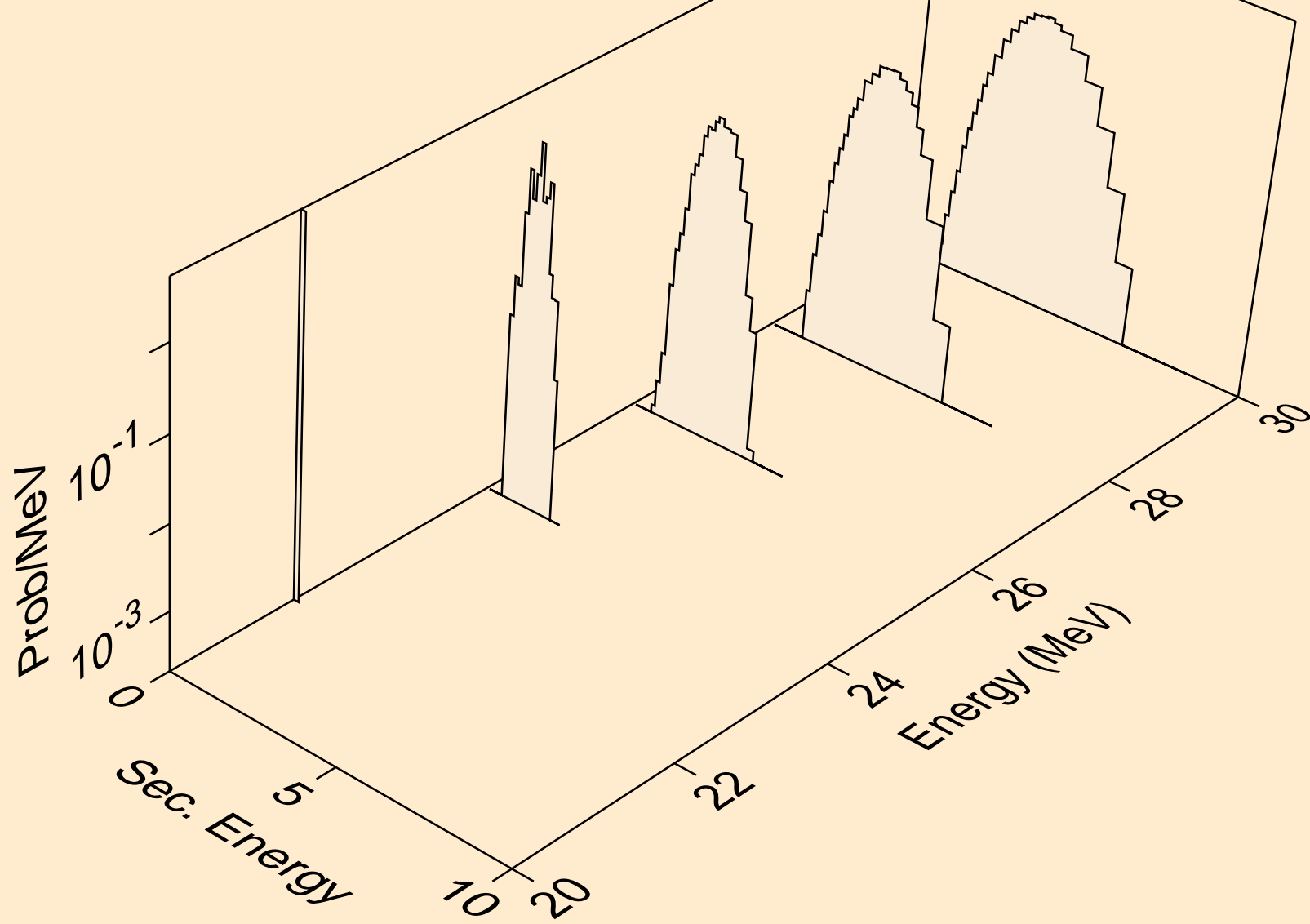
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)



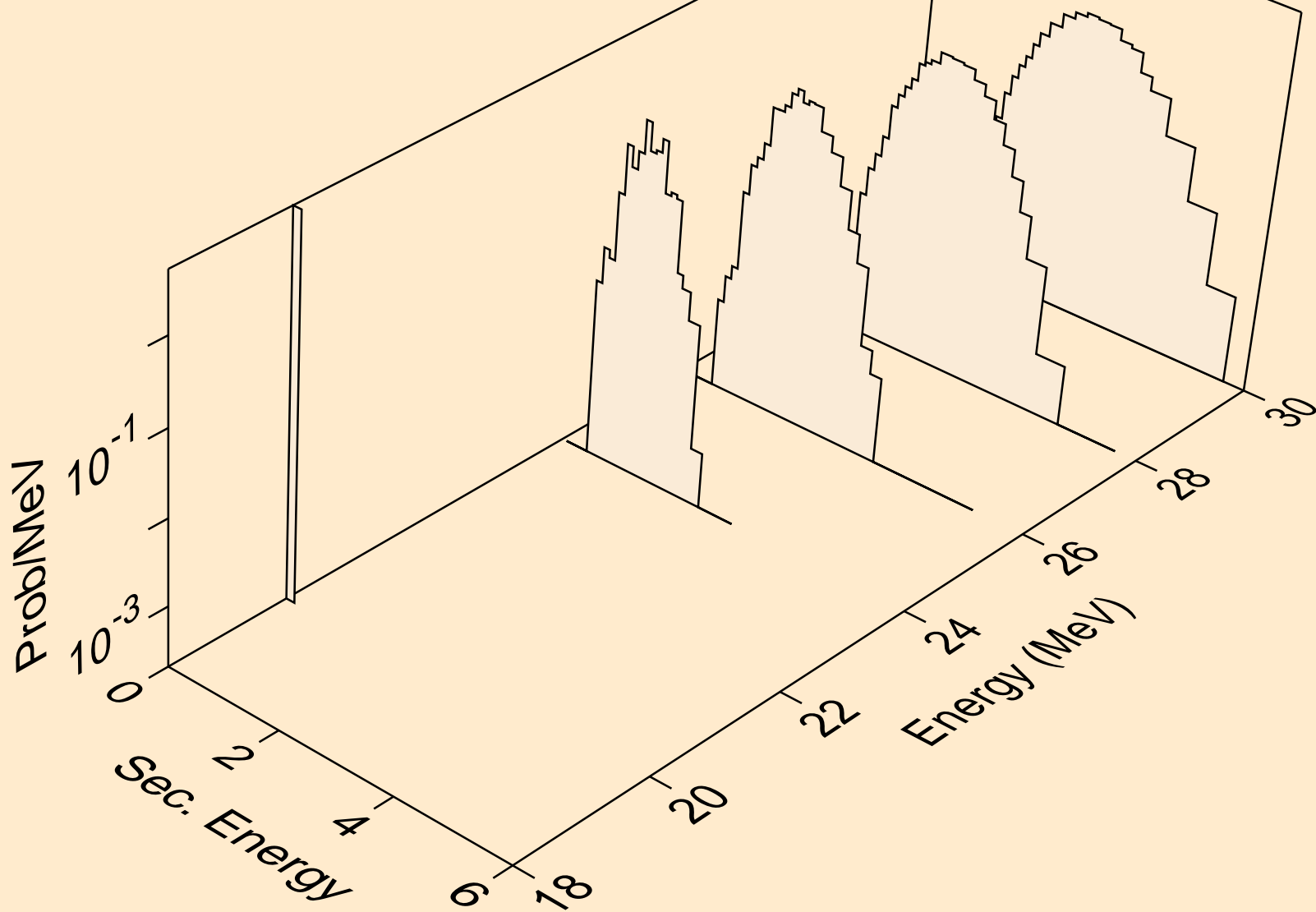
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,3np)



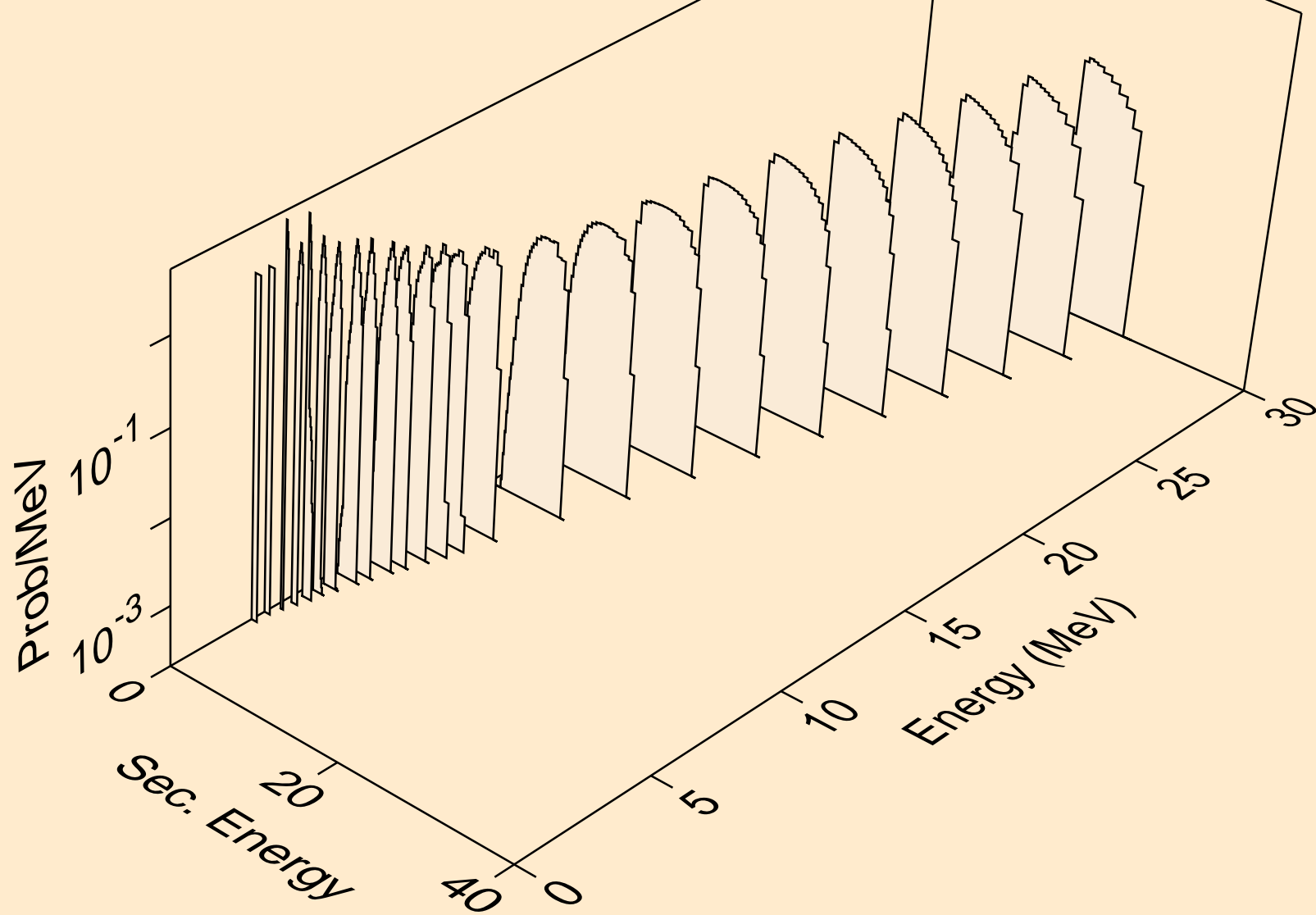
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2np)



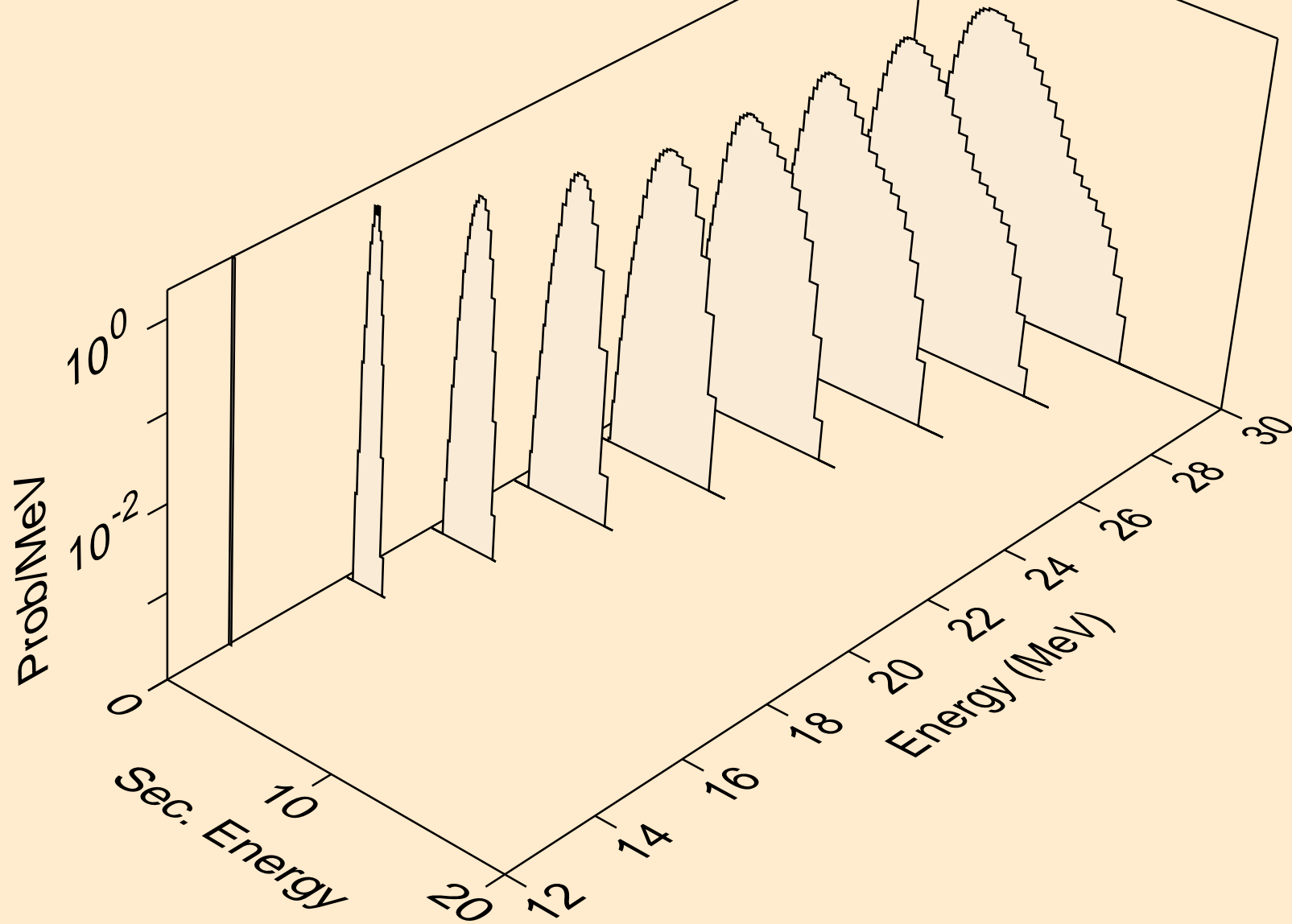
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,npa)



NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)

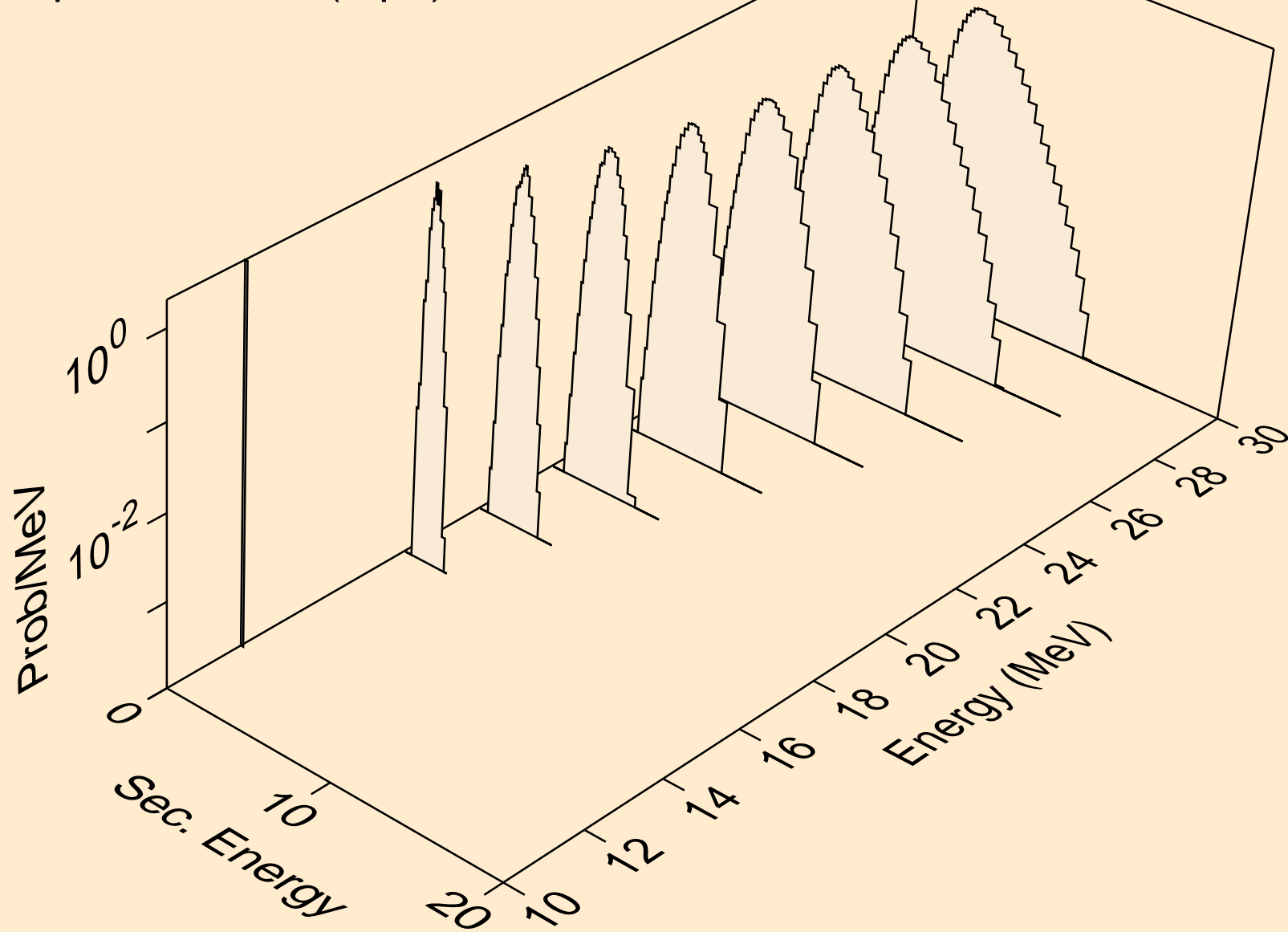


NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,2p)

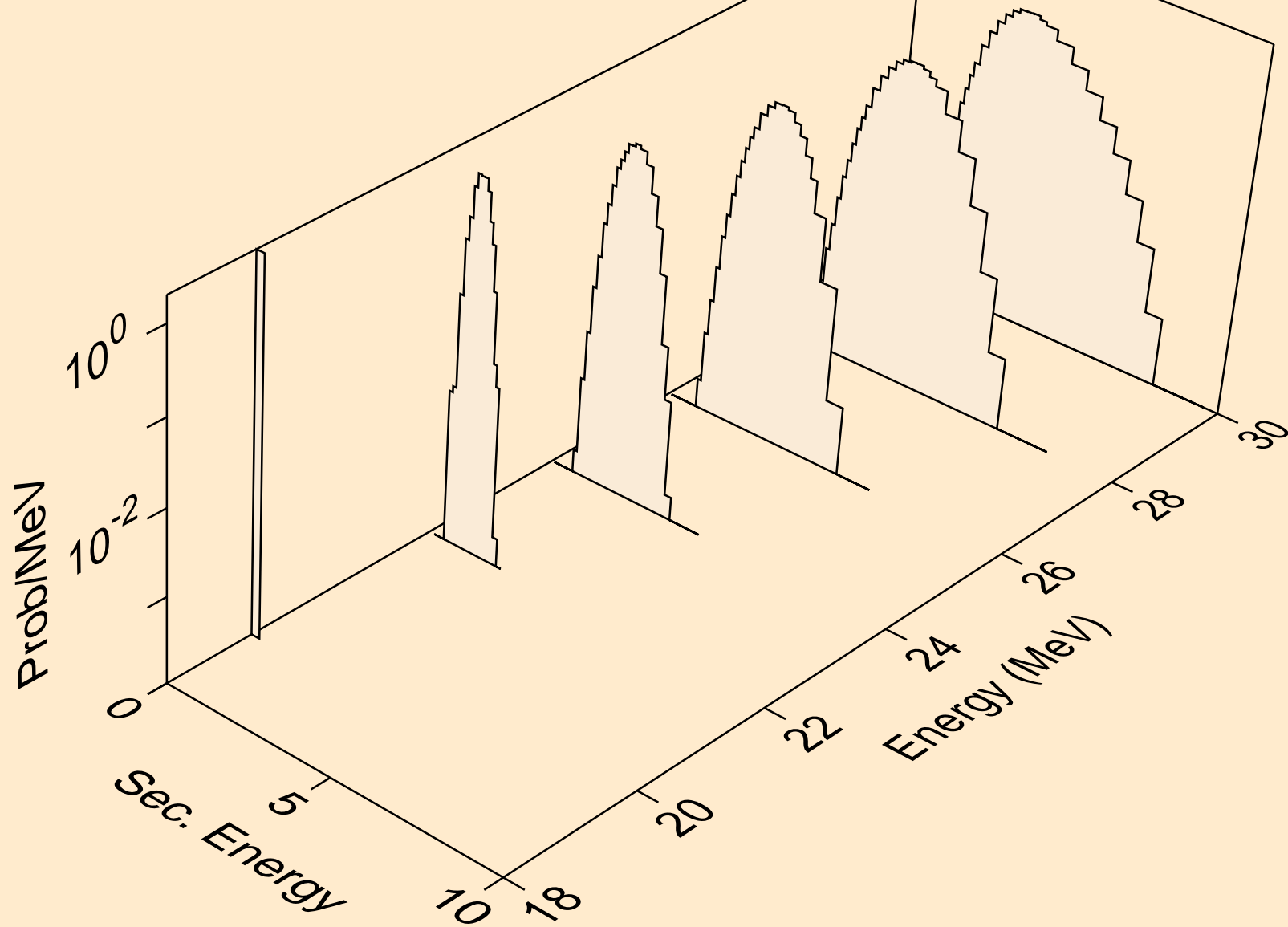




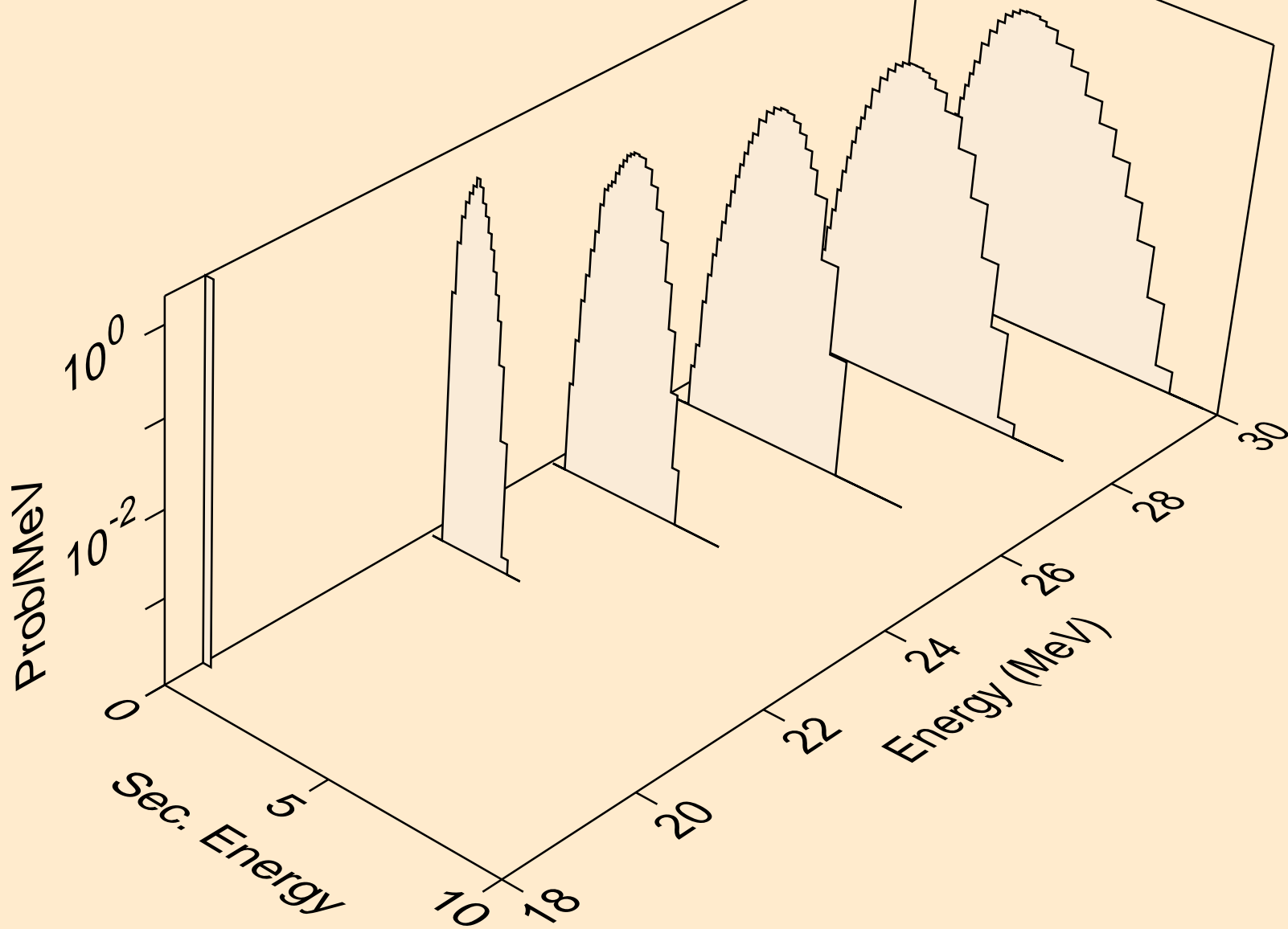
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,p)



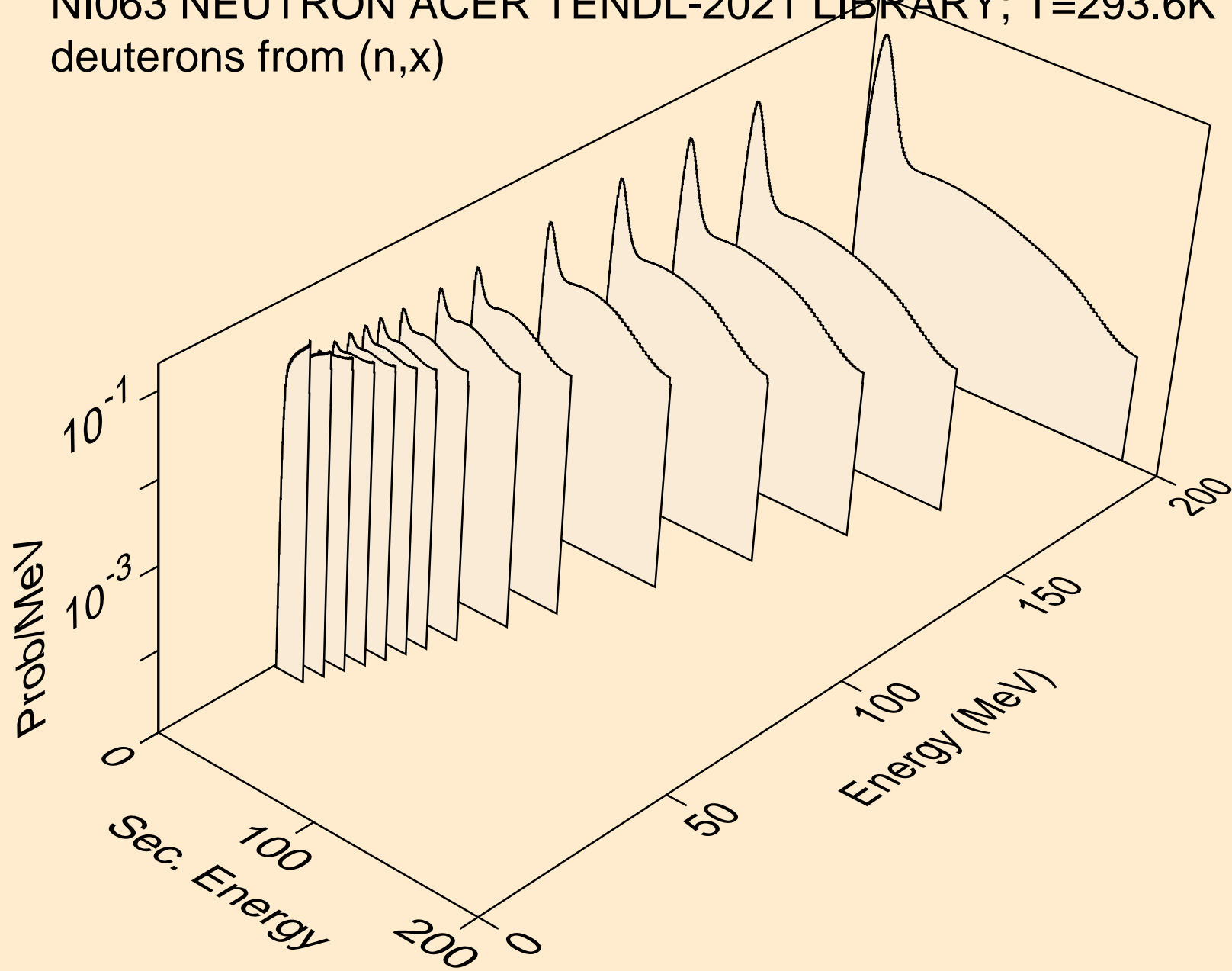
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pd)



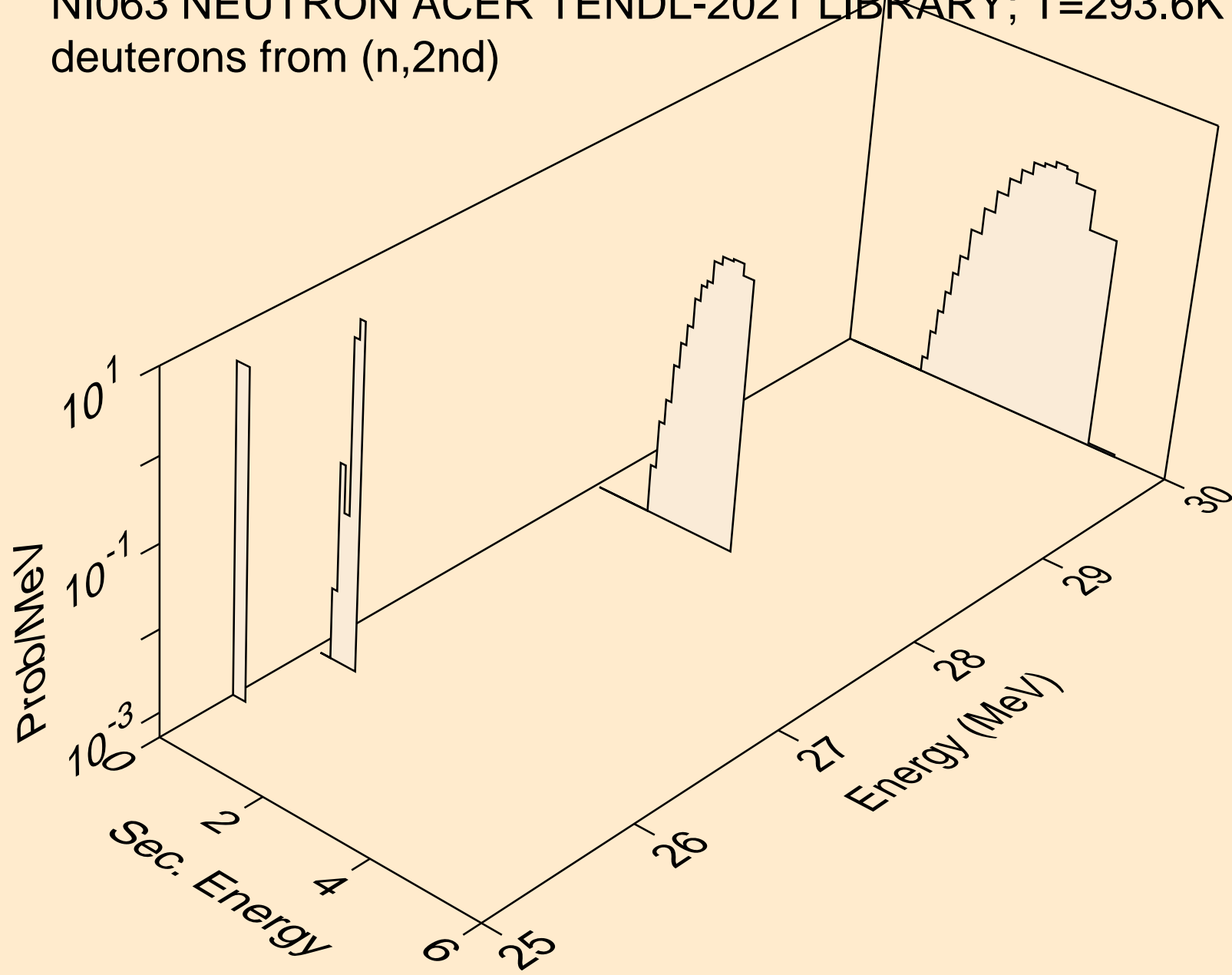
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
protons from (n,pt)



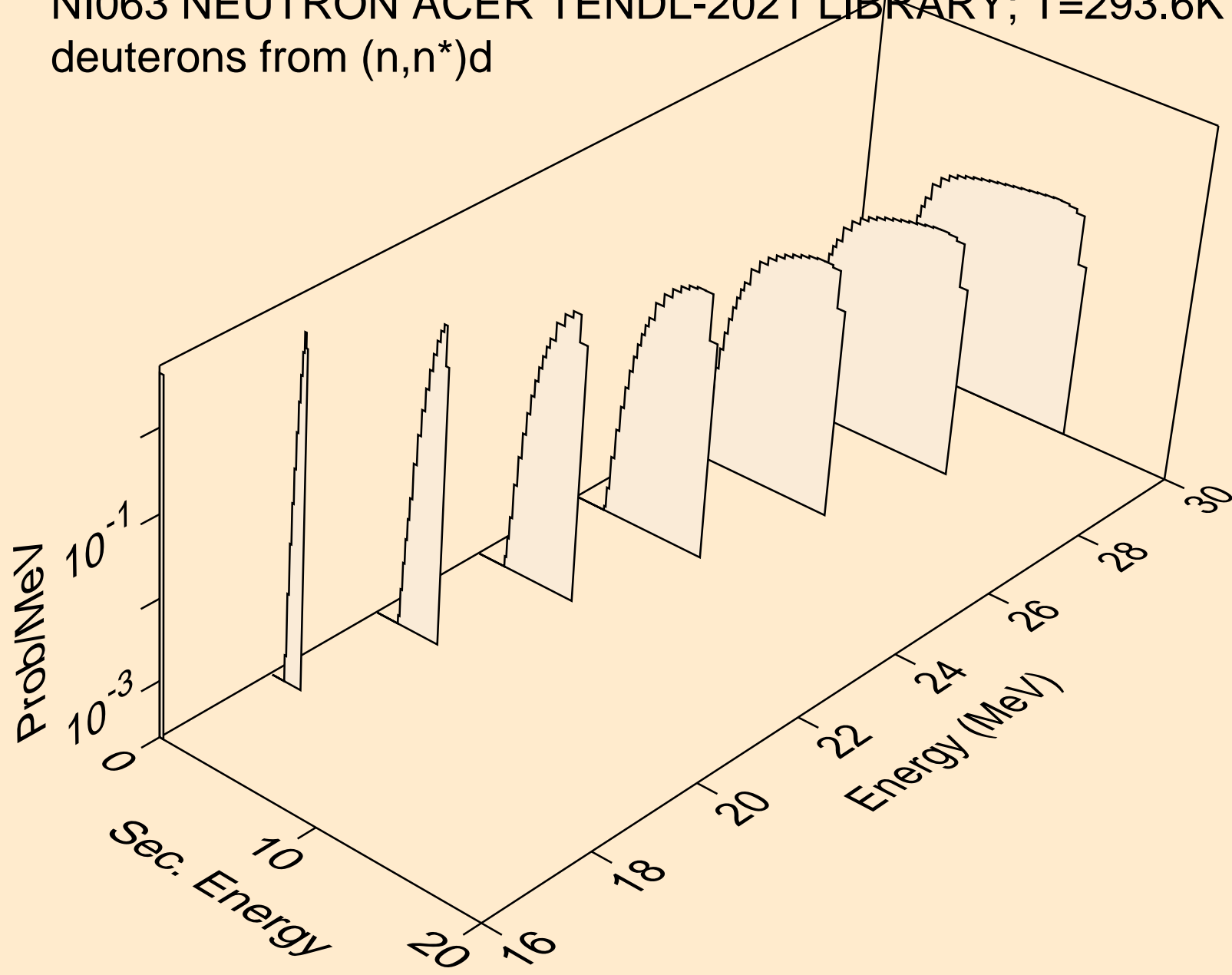
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,x)



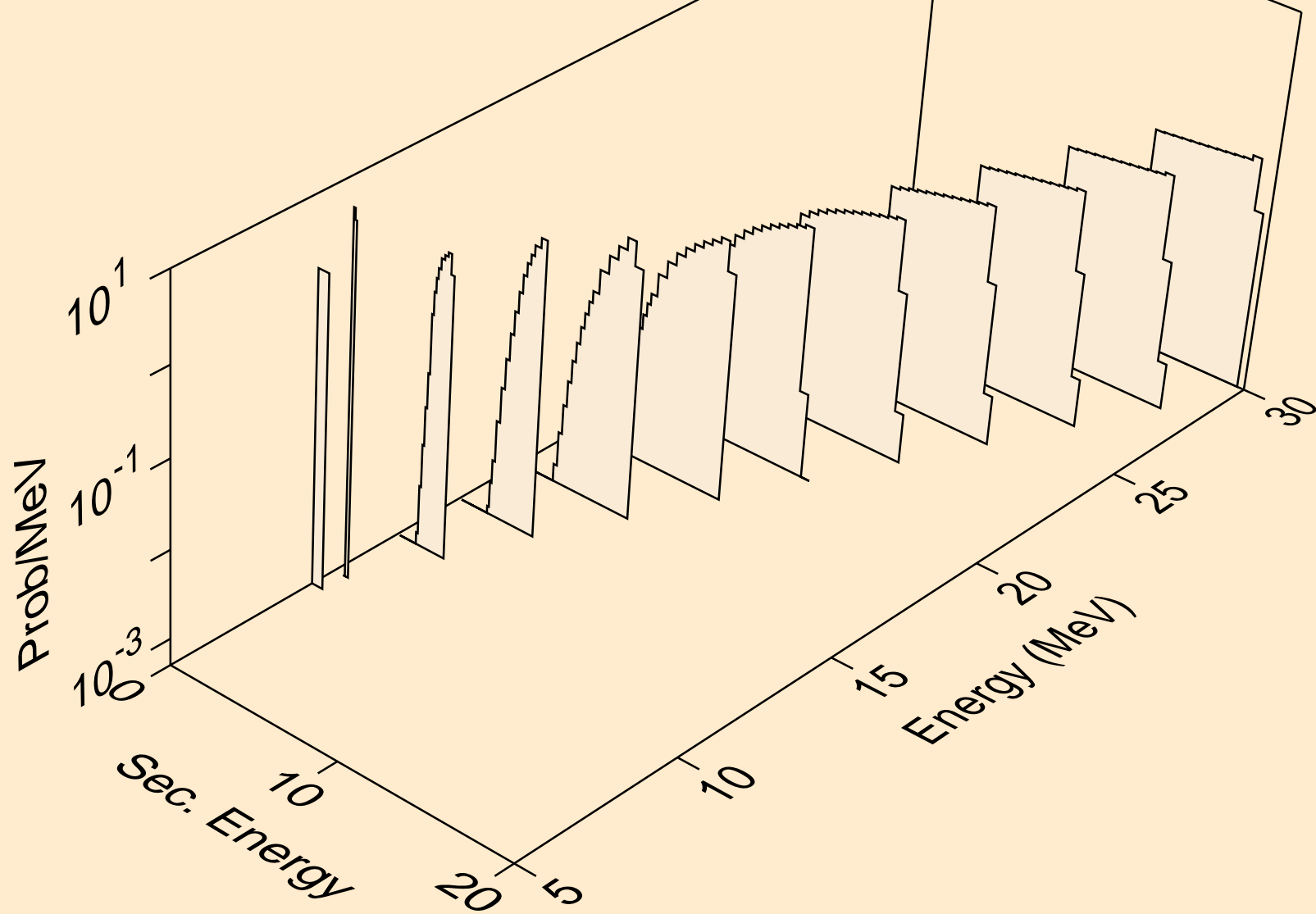
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,2nd)



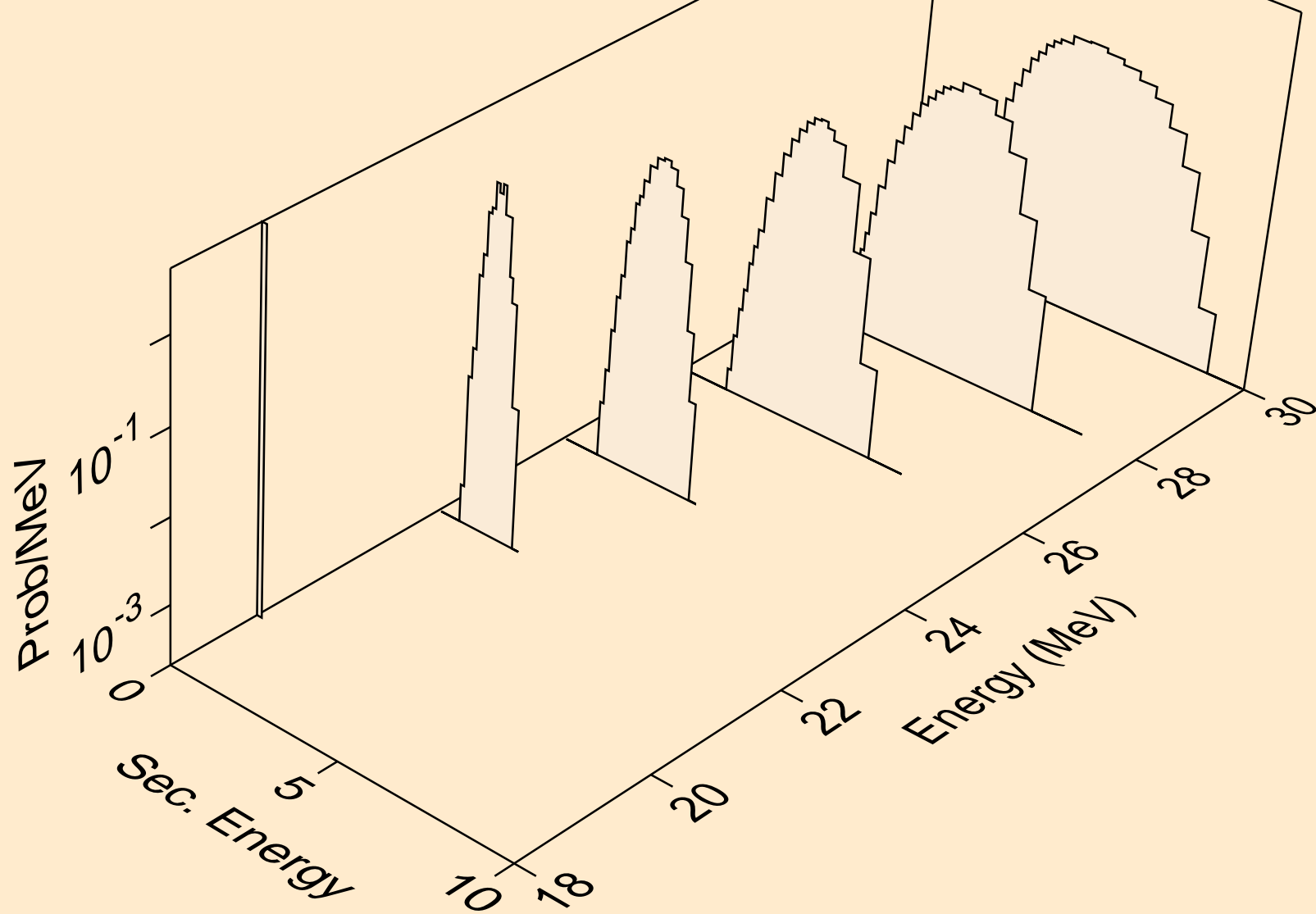
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,d)

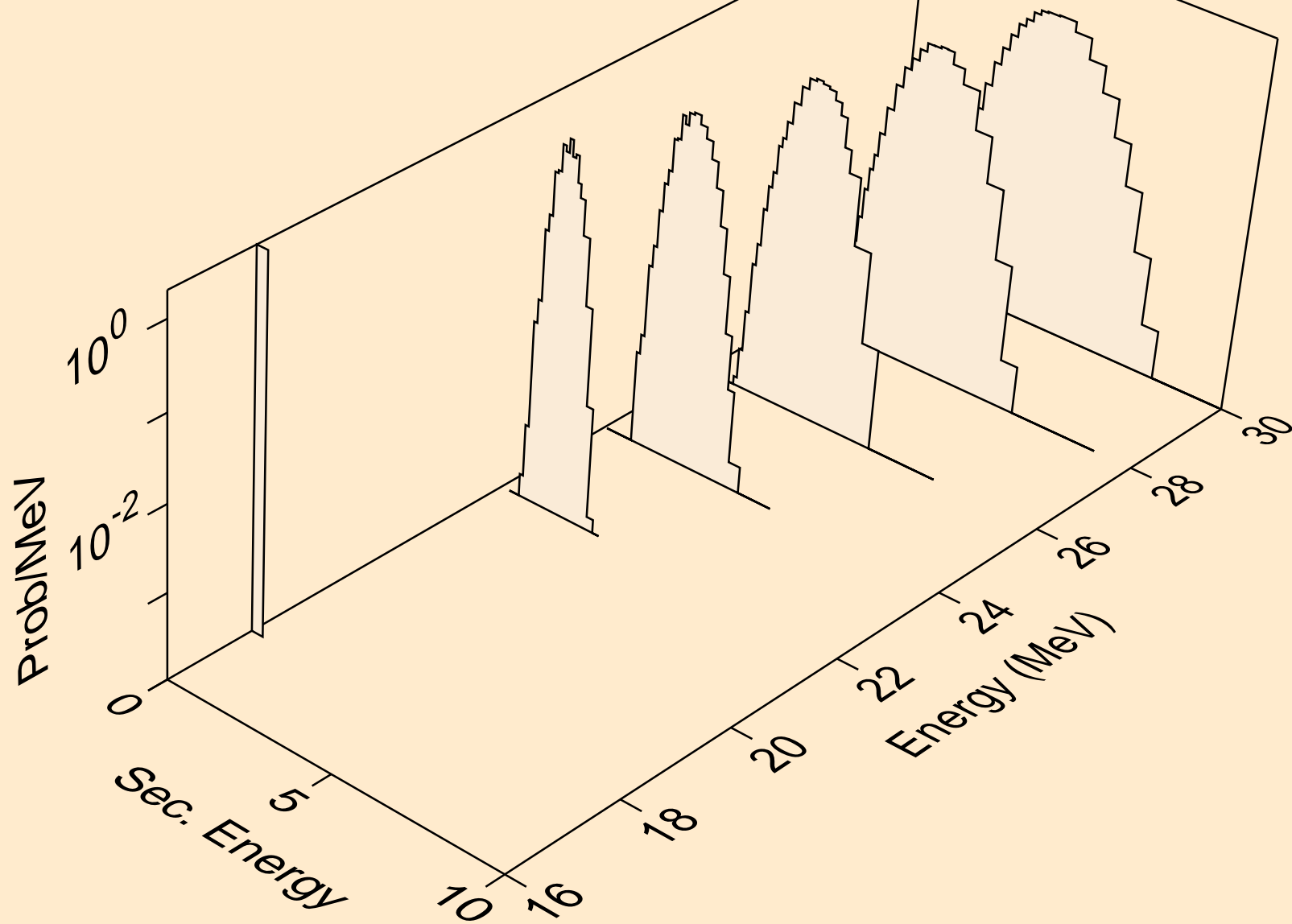


NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,pd)

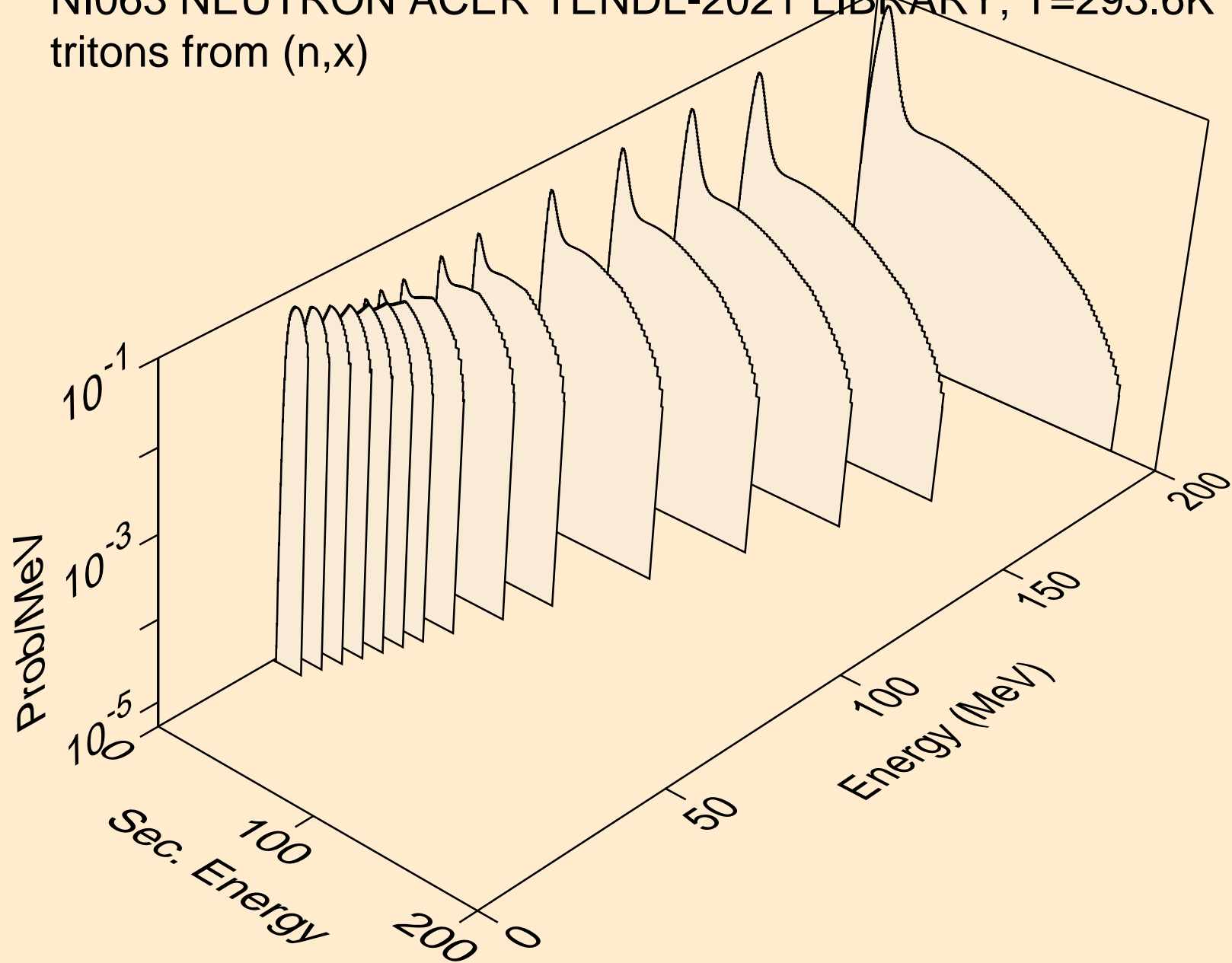




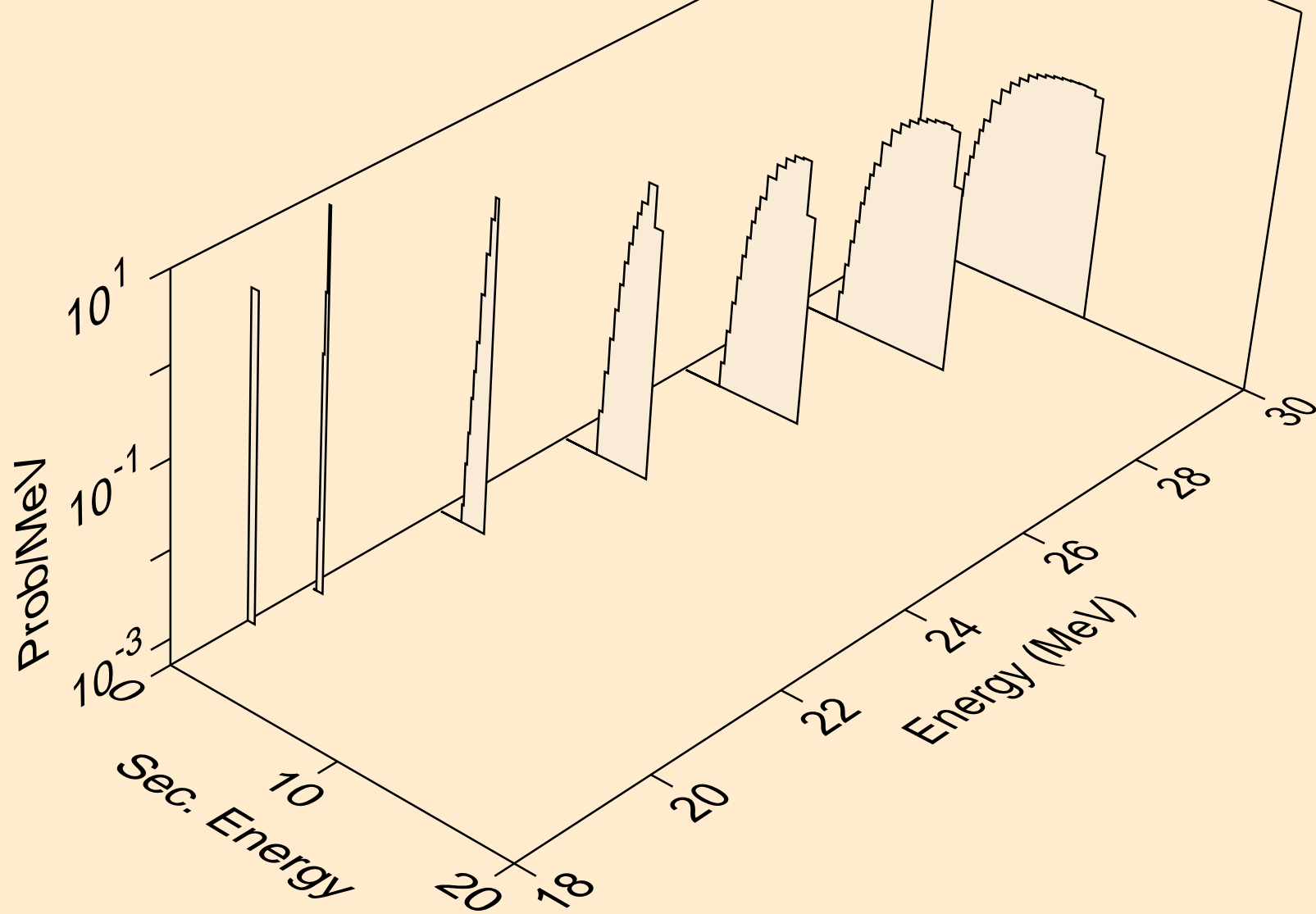
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
deuterons from (n,da)



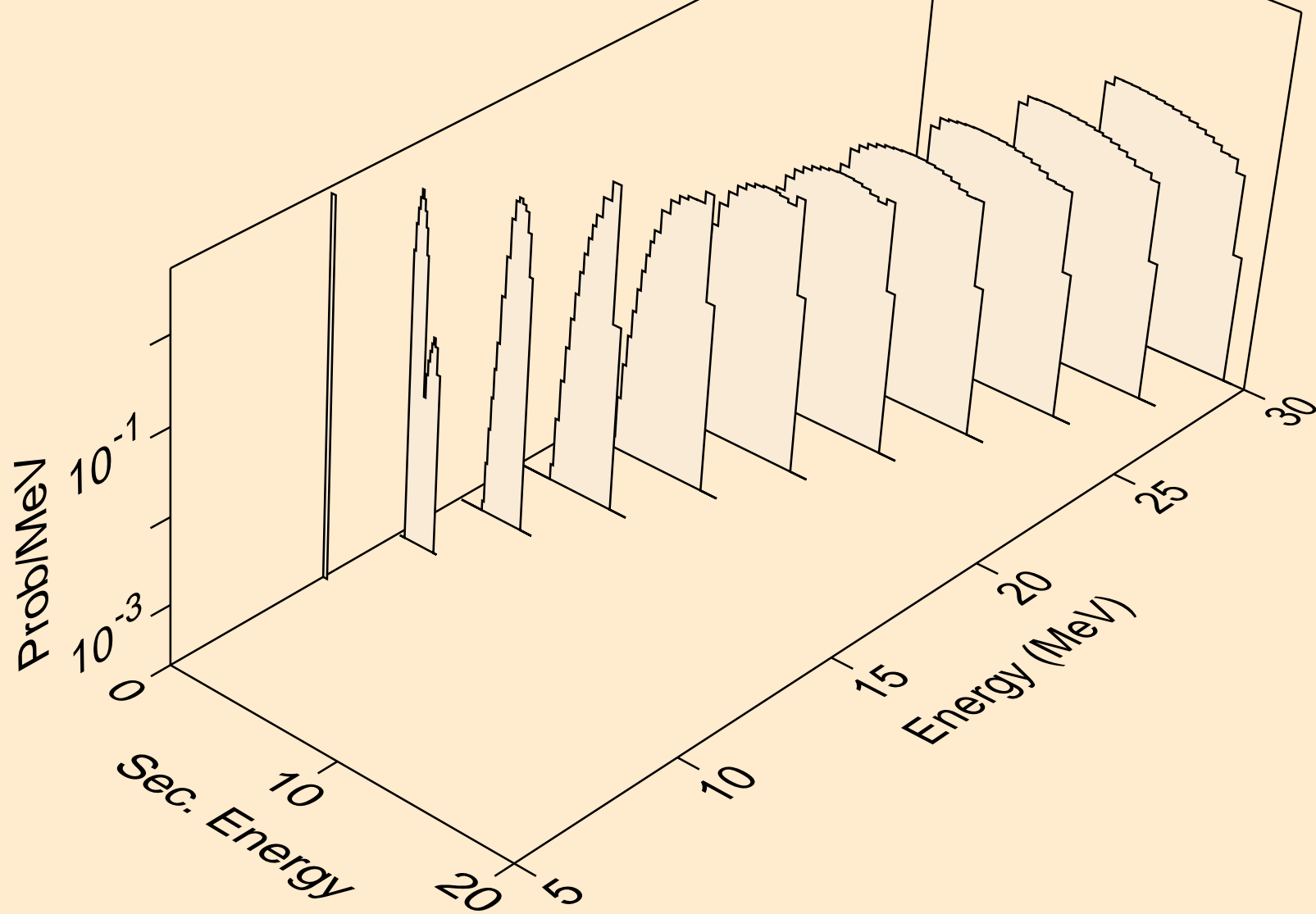
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,x)



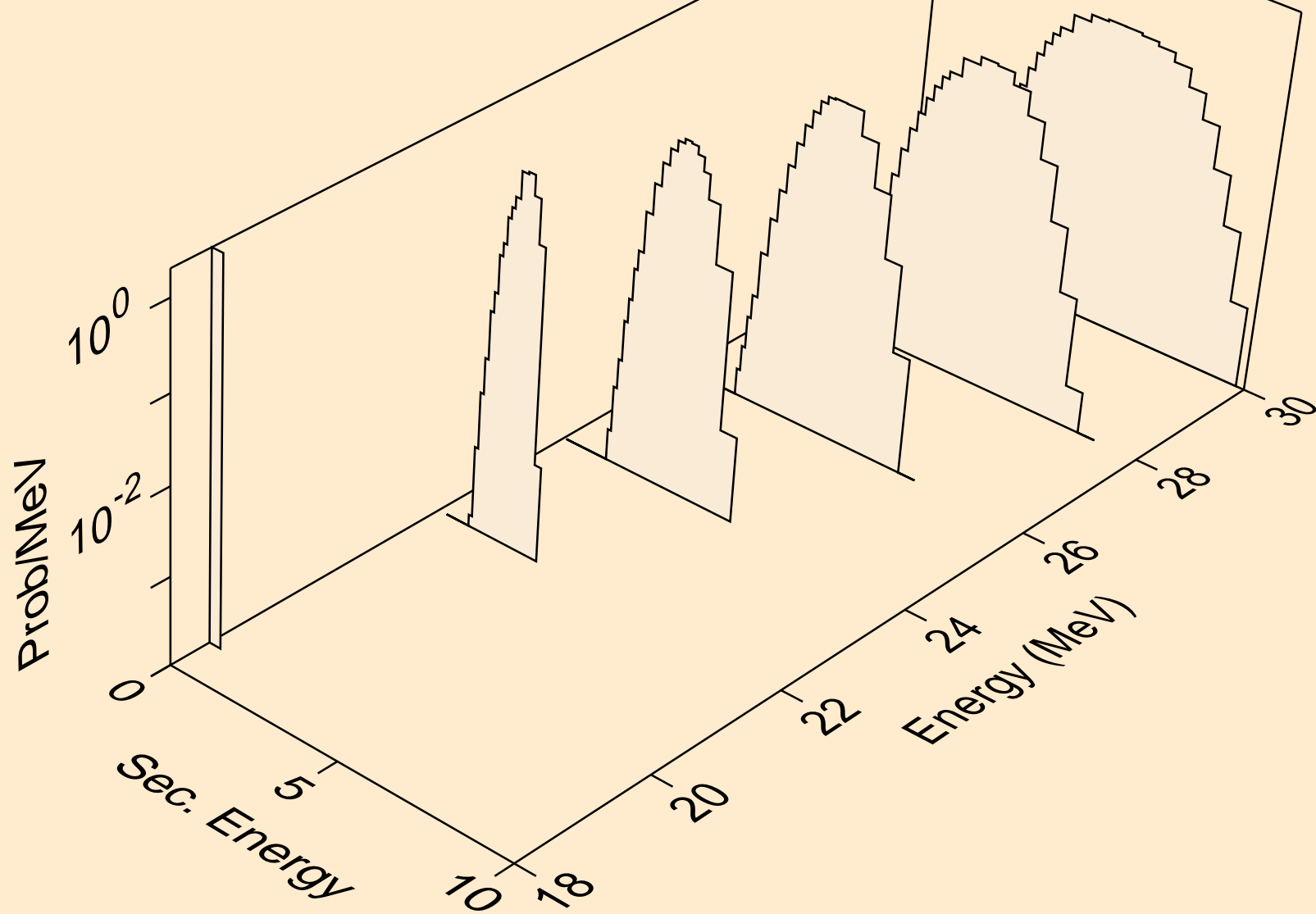
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,n\*)t



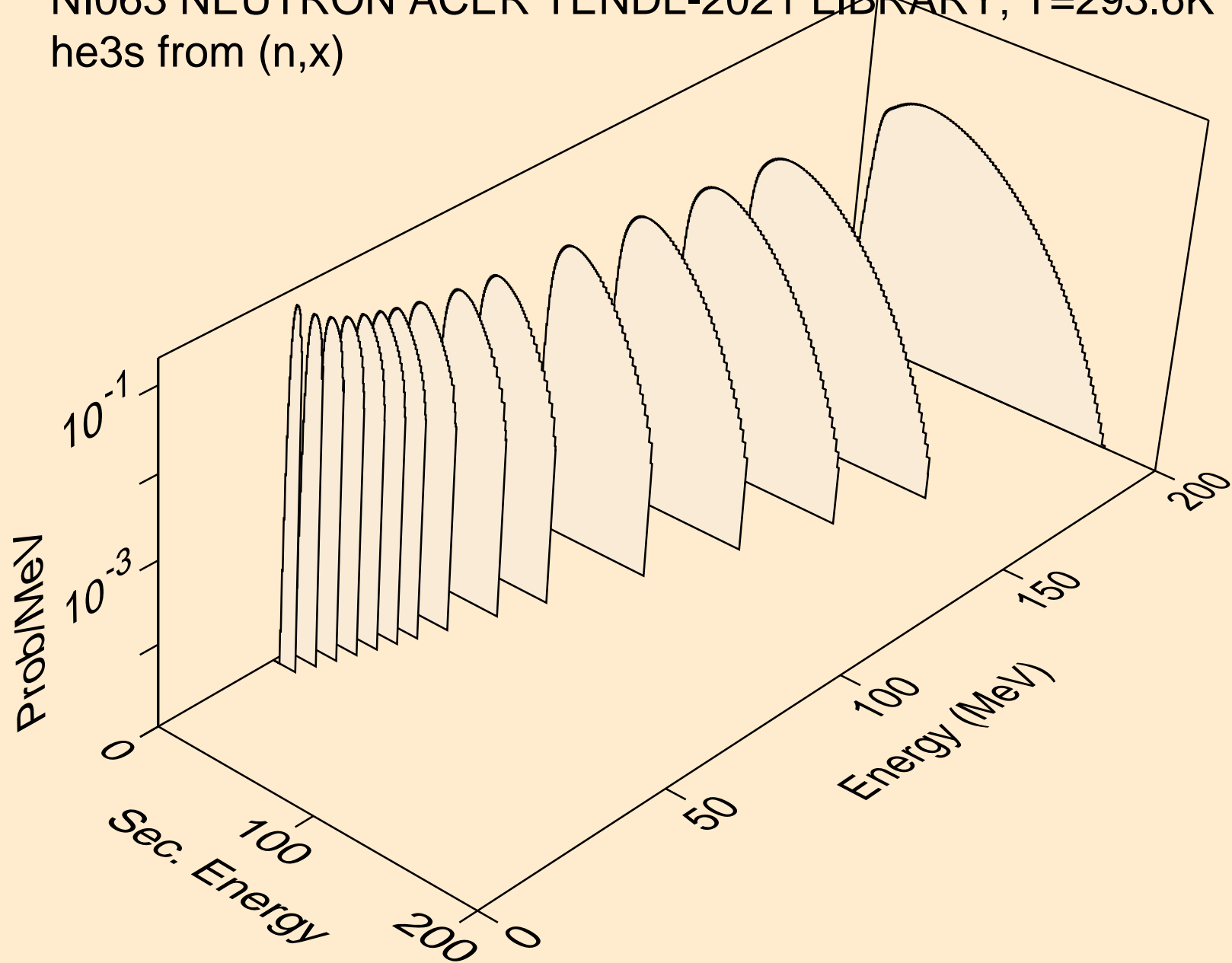
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,t)



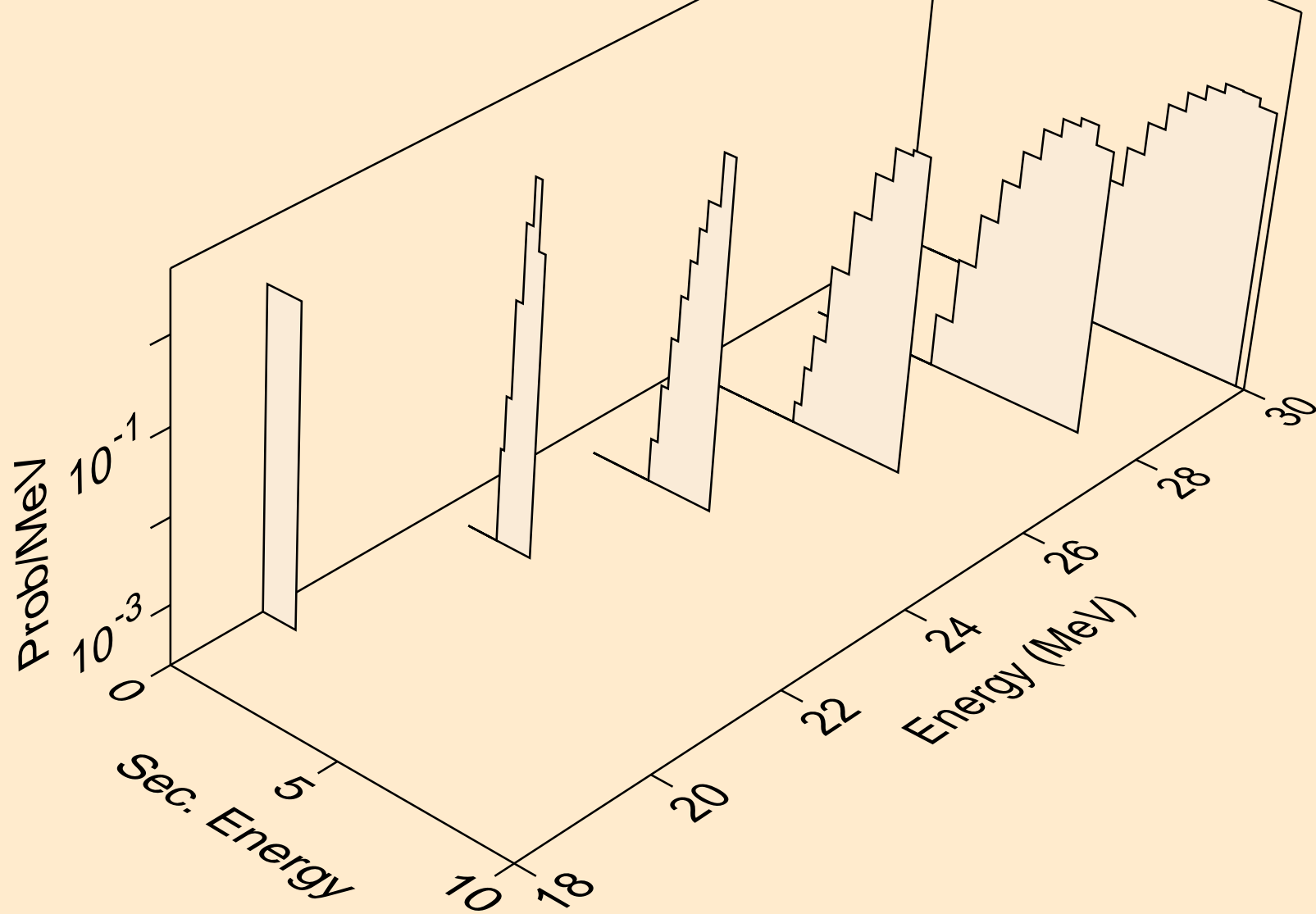
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
tritons from (n,pt)



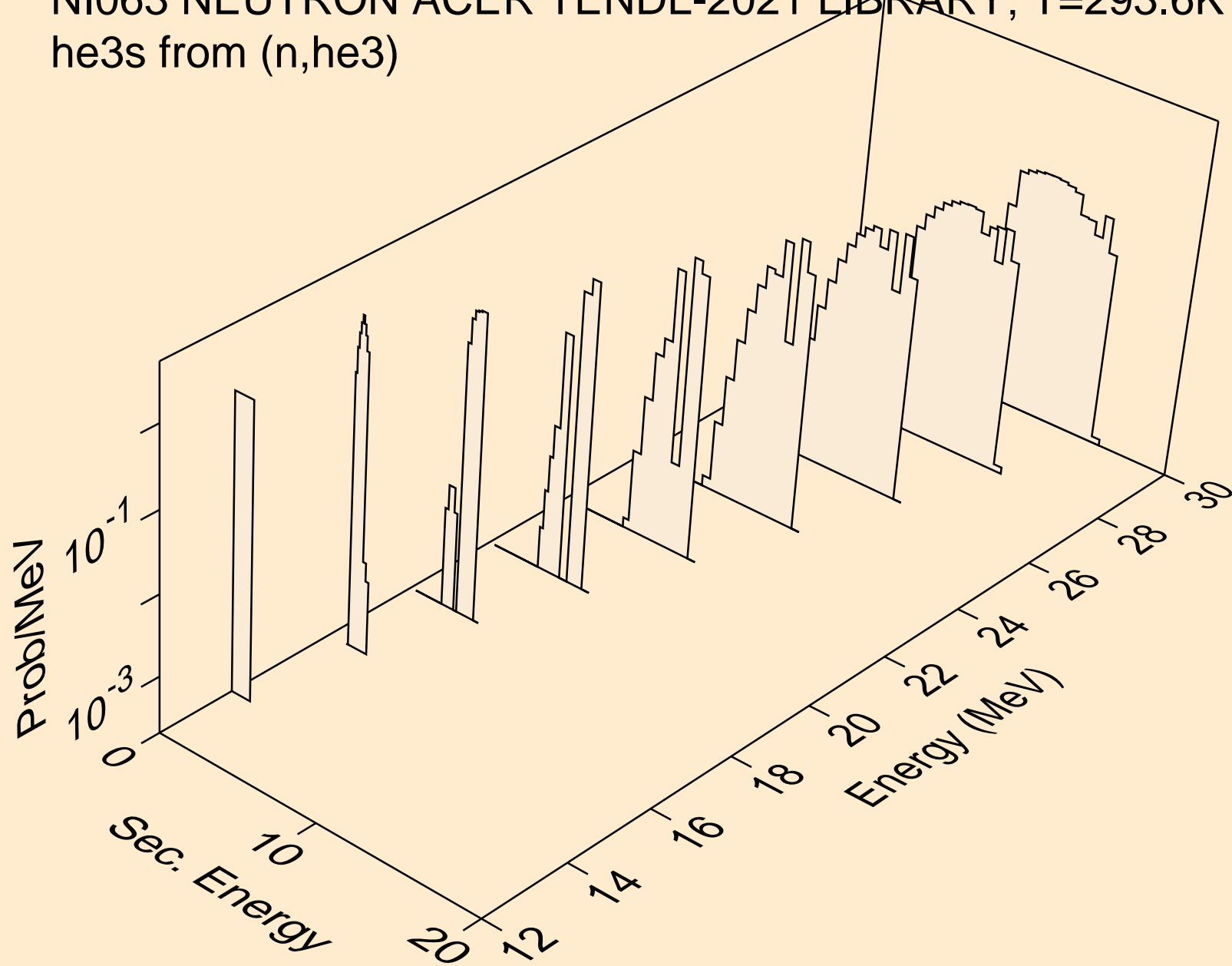
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,x)



NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,n\*)he3

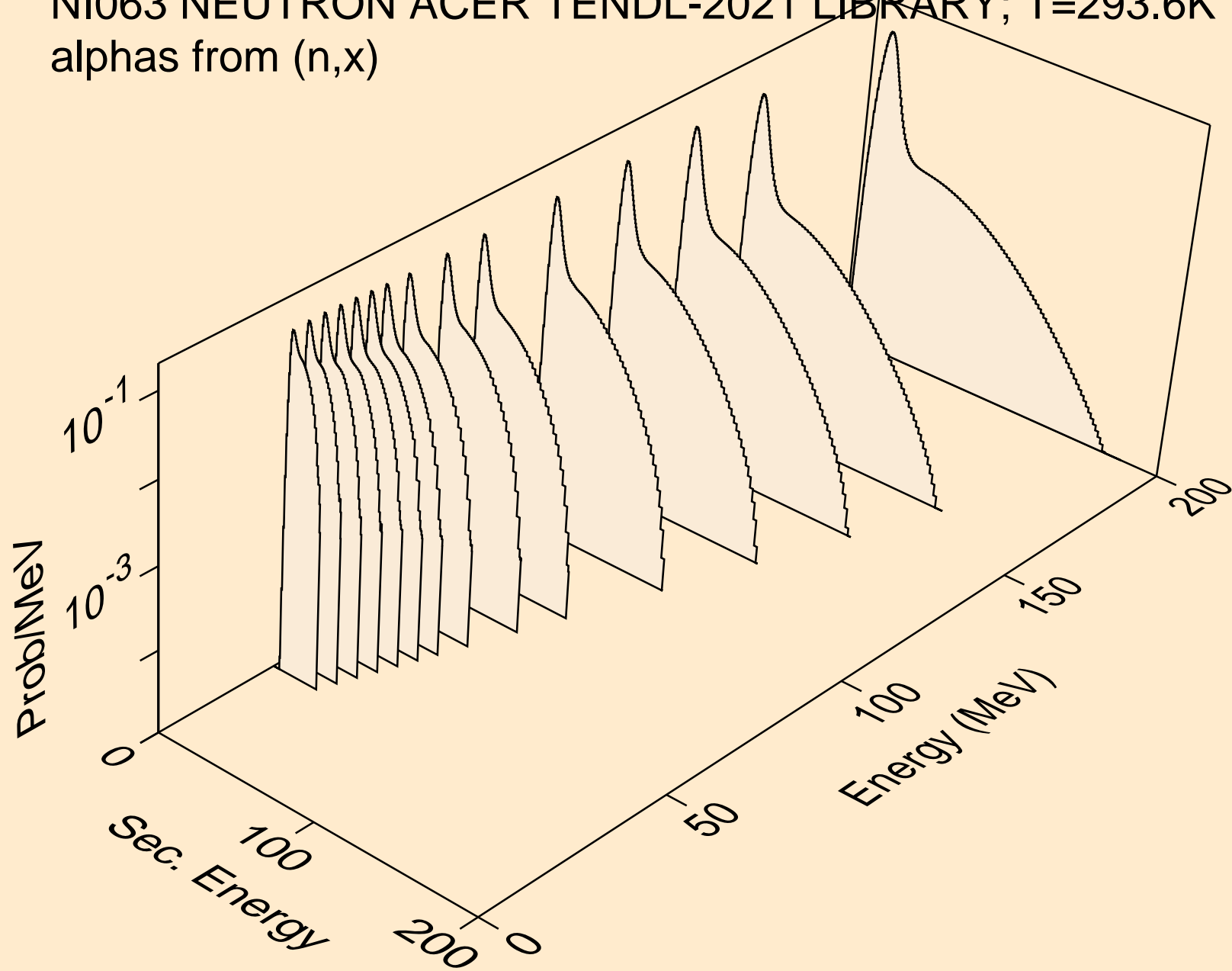


NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
he3s from (n,he3)

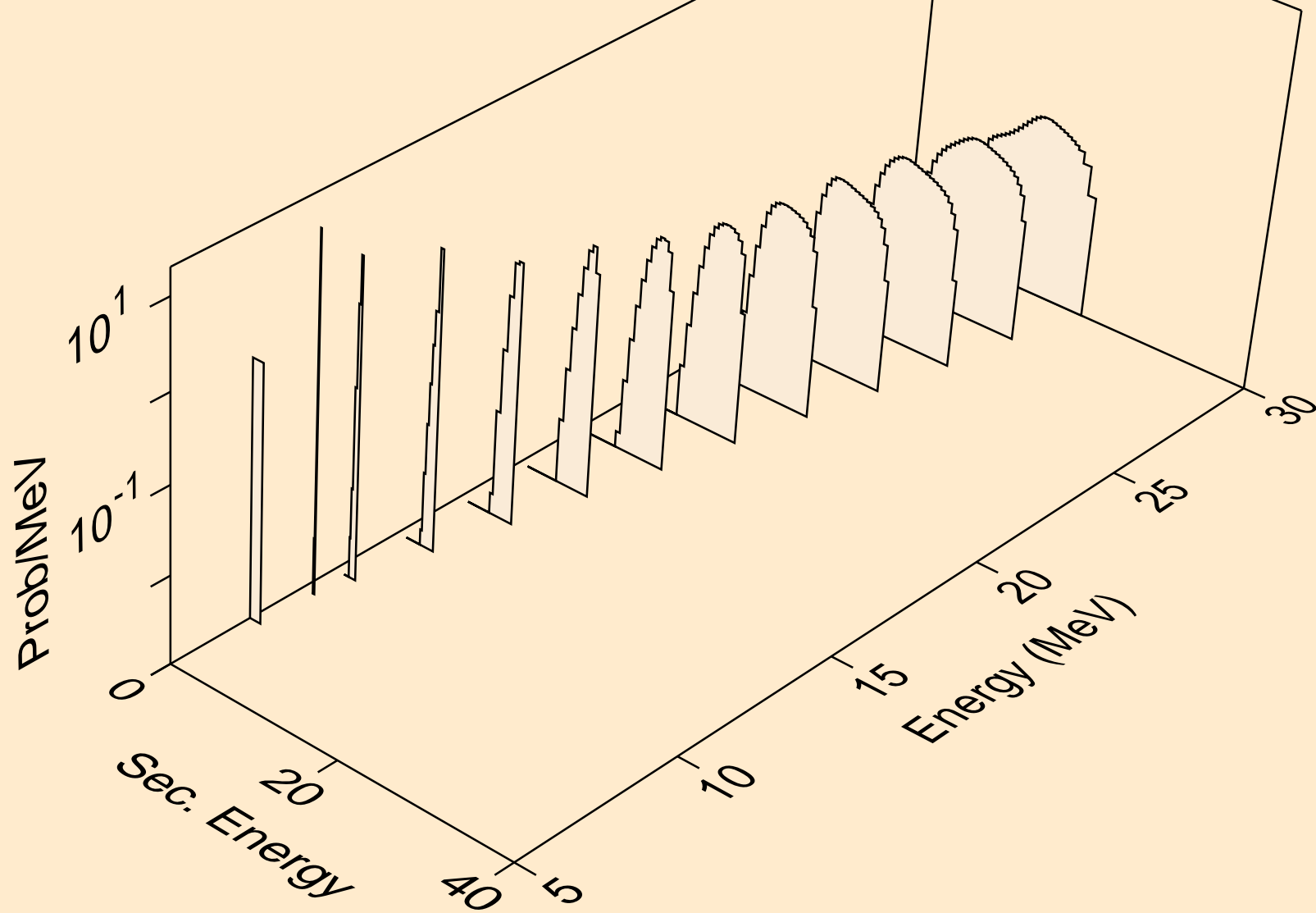




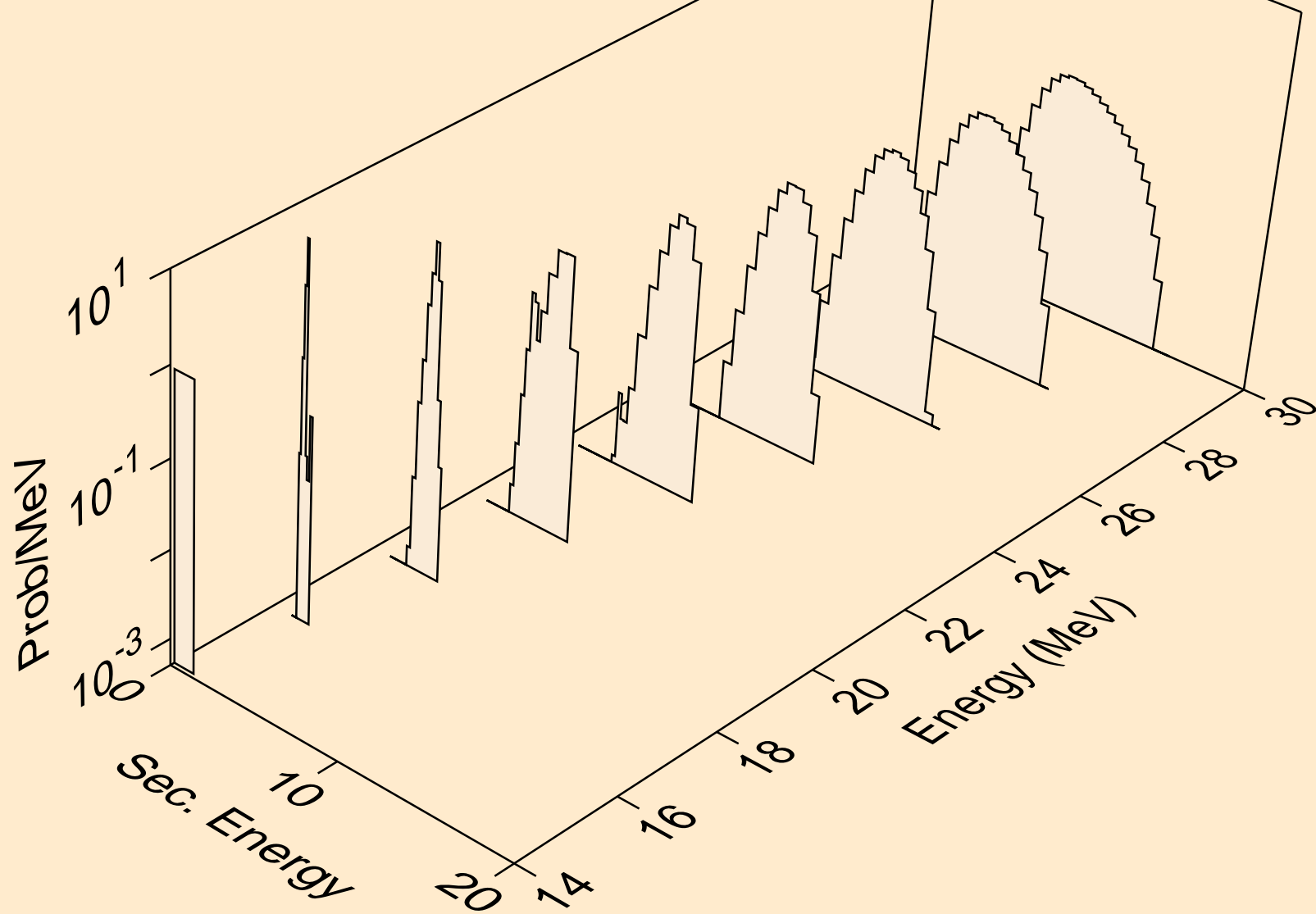
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,x)



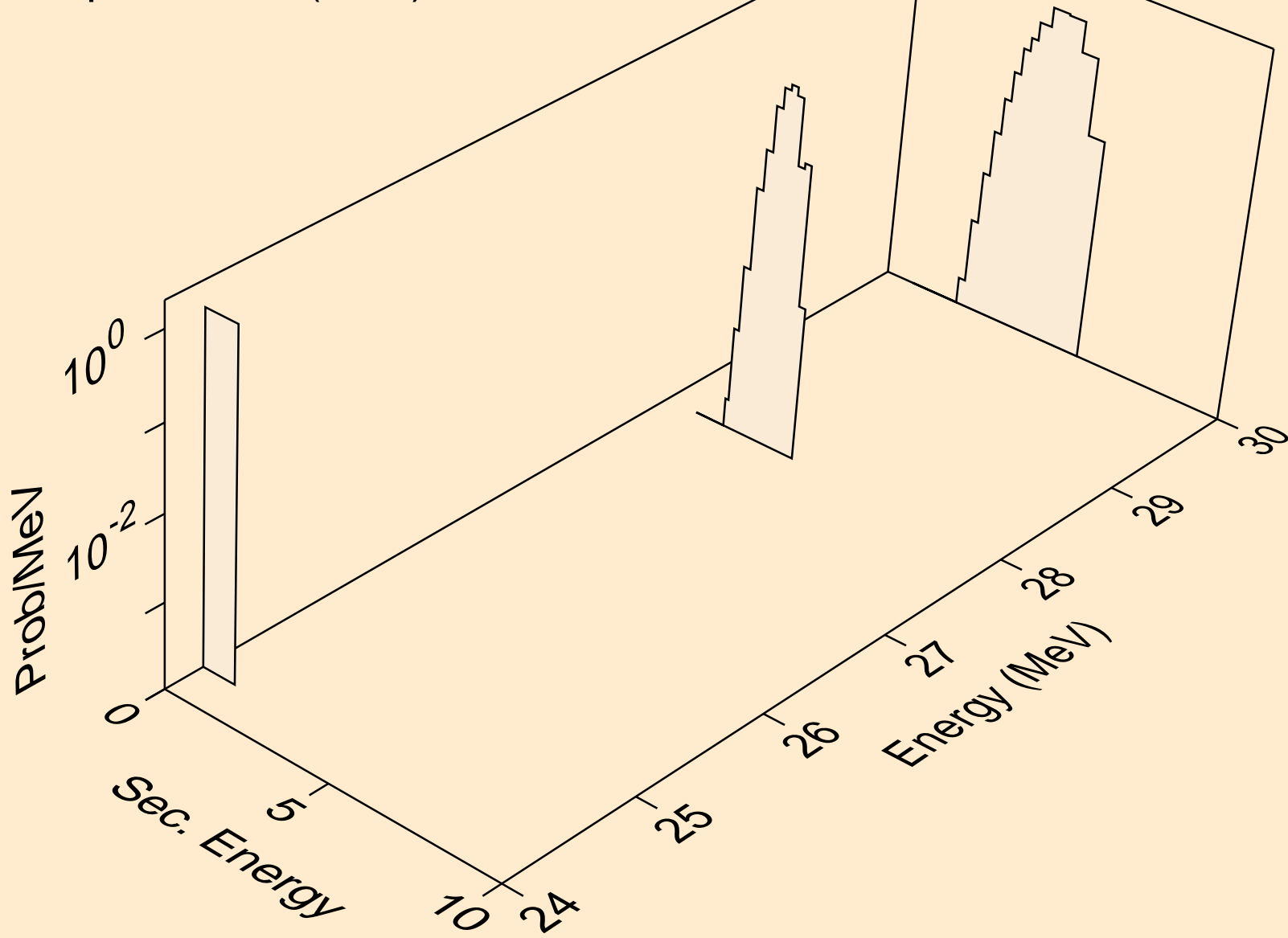
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)a



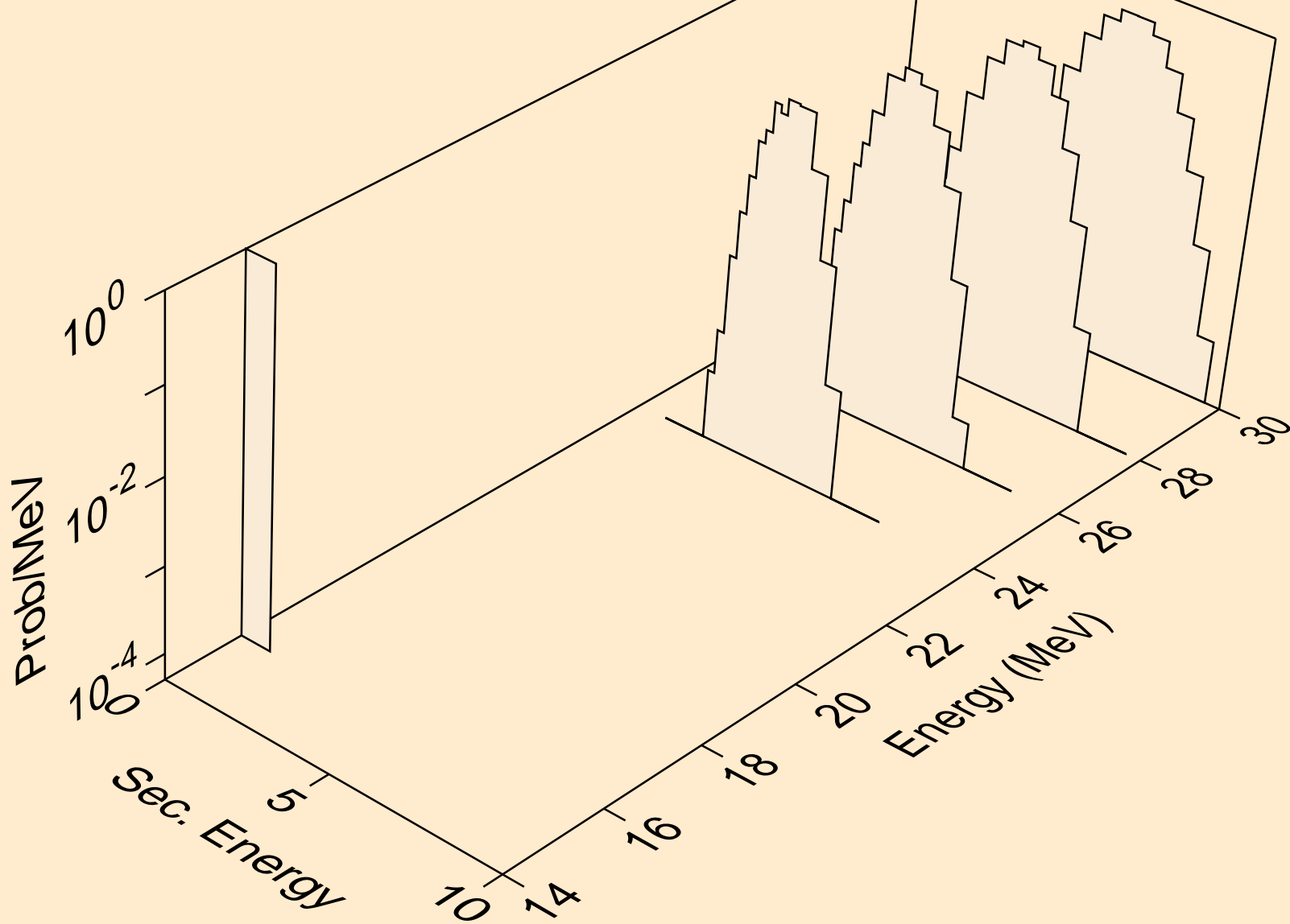
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2n)a



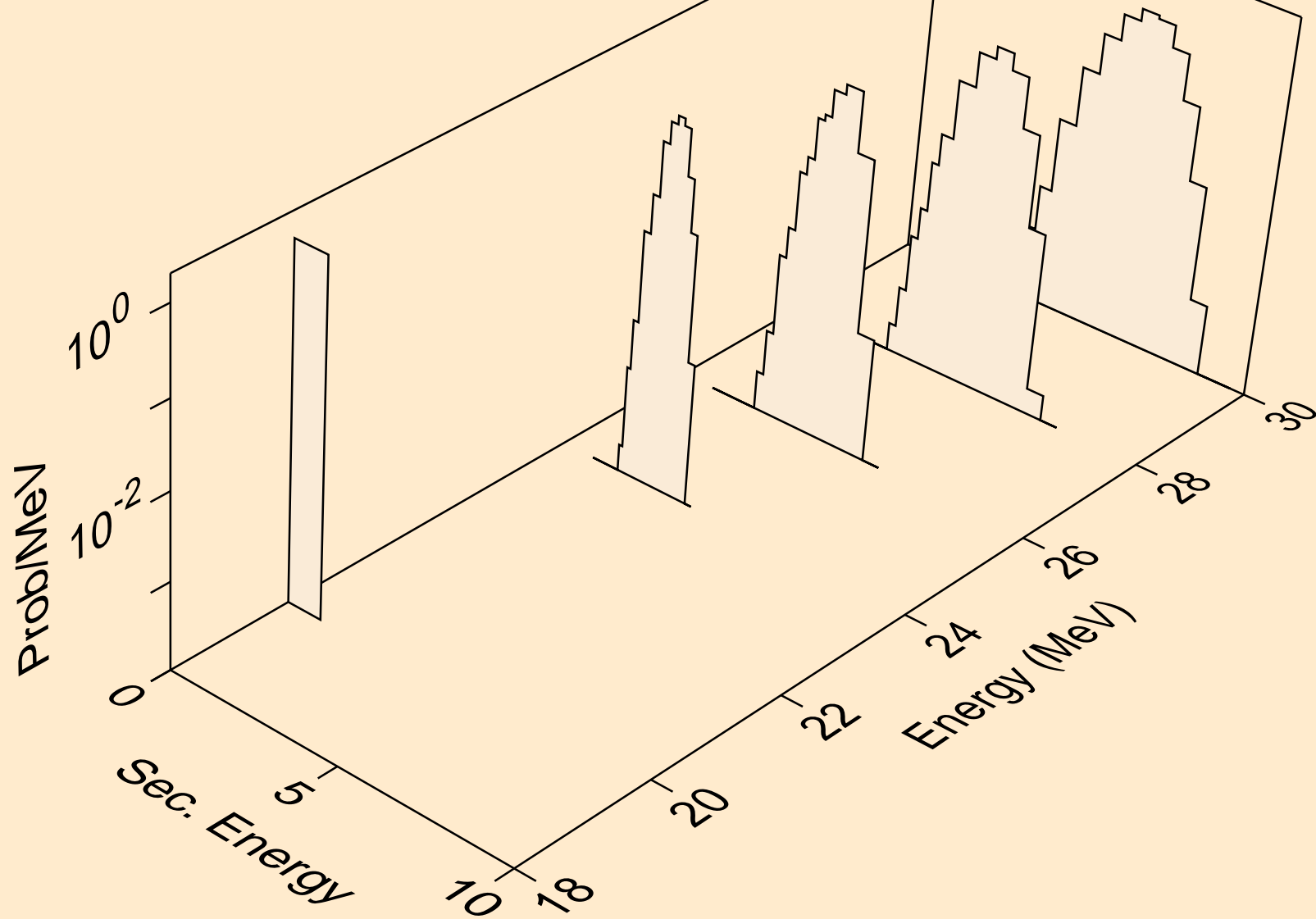
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,3n)a



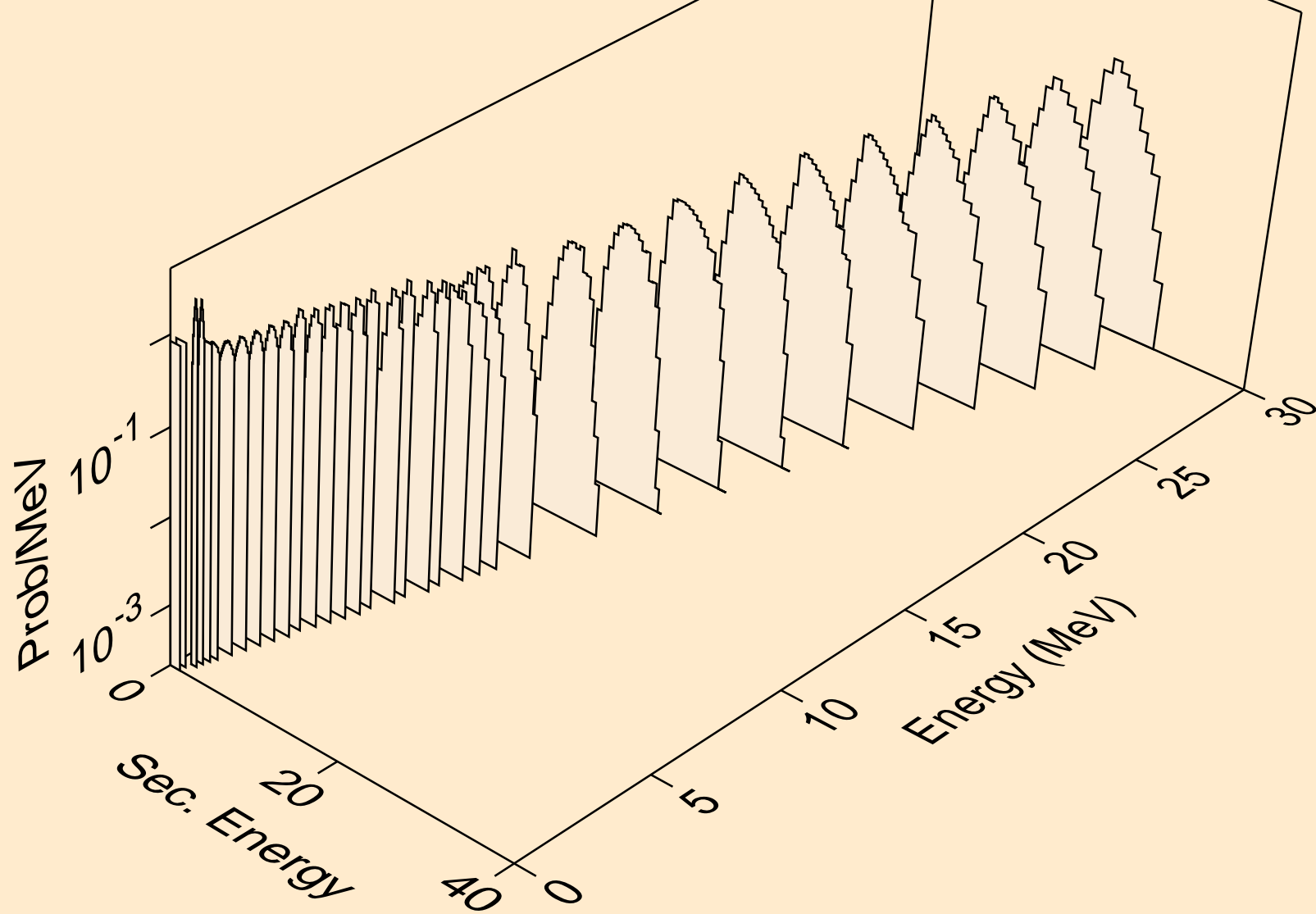
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



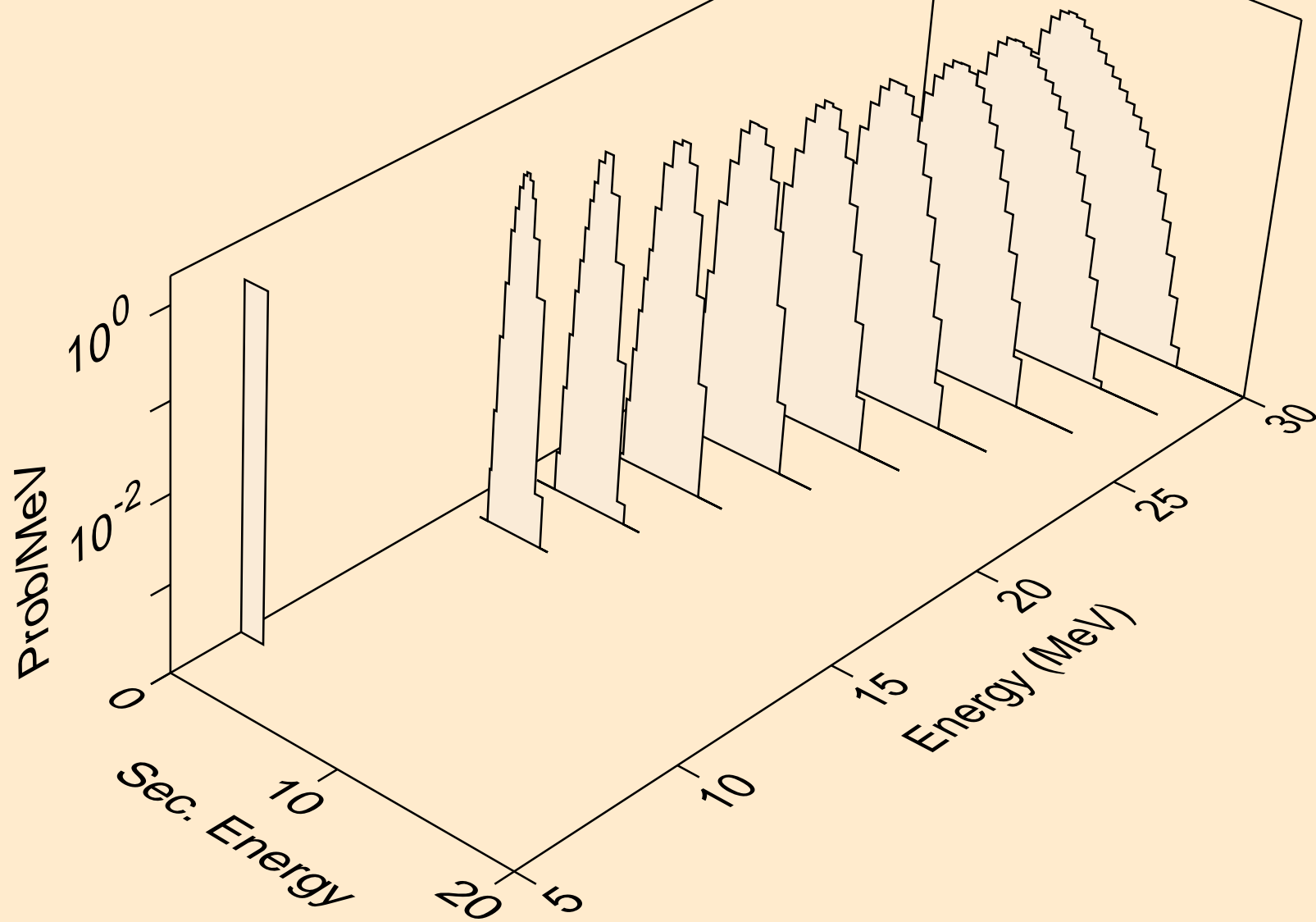
NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,npa)



NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,a)

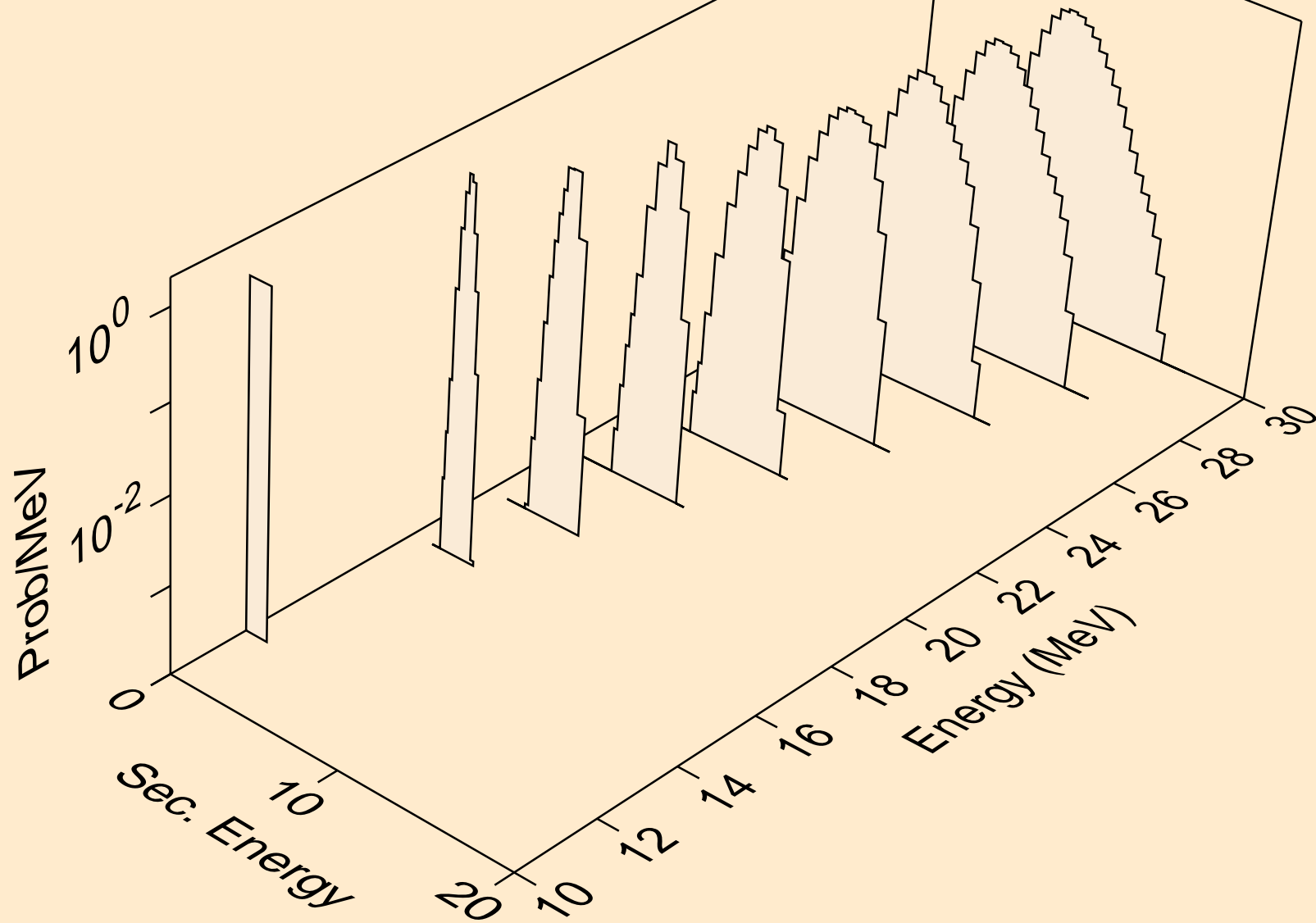


NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,2a)





NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,pa)



NI063 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K  
alphas from (n,da)

