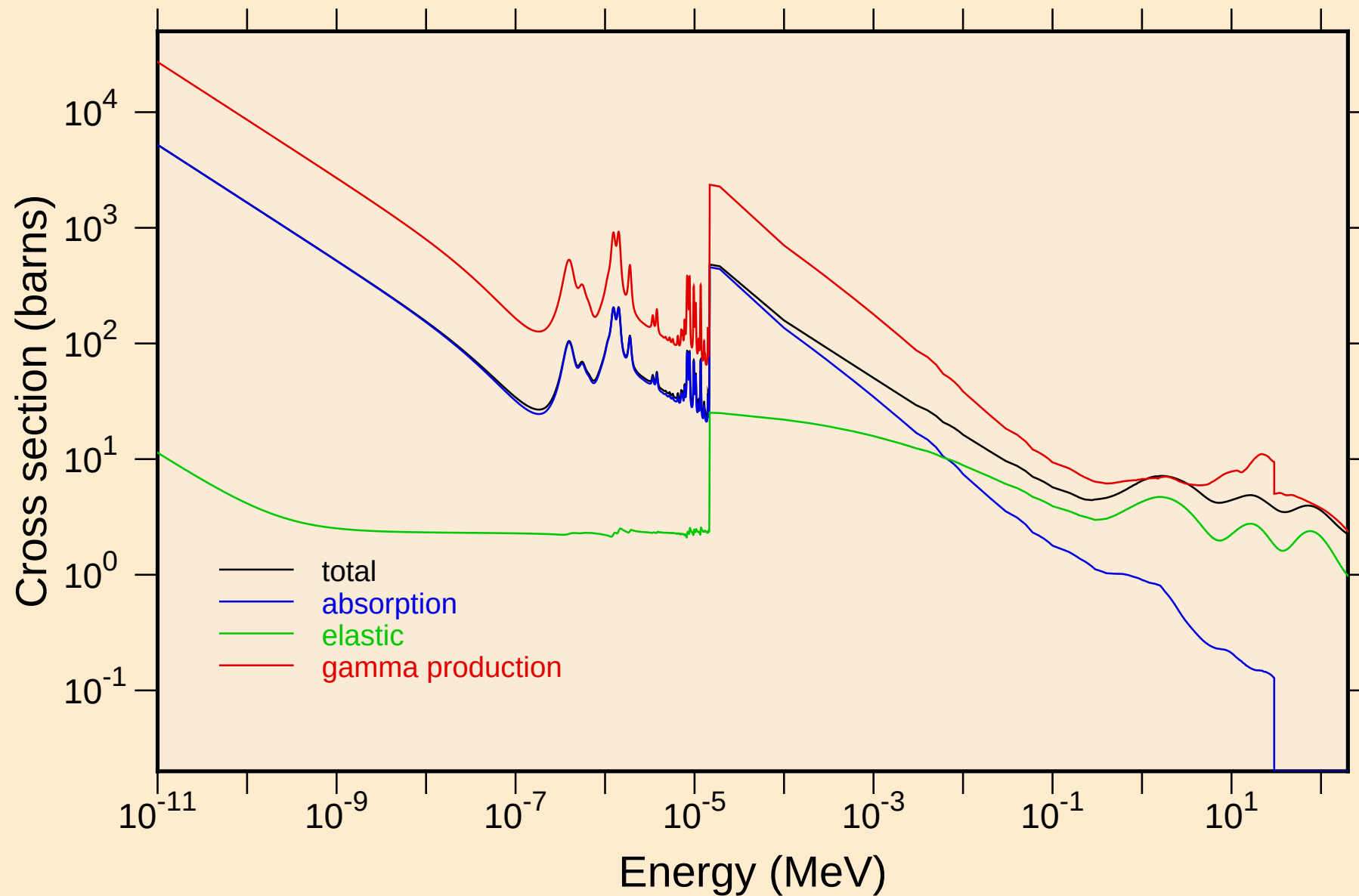
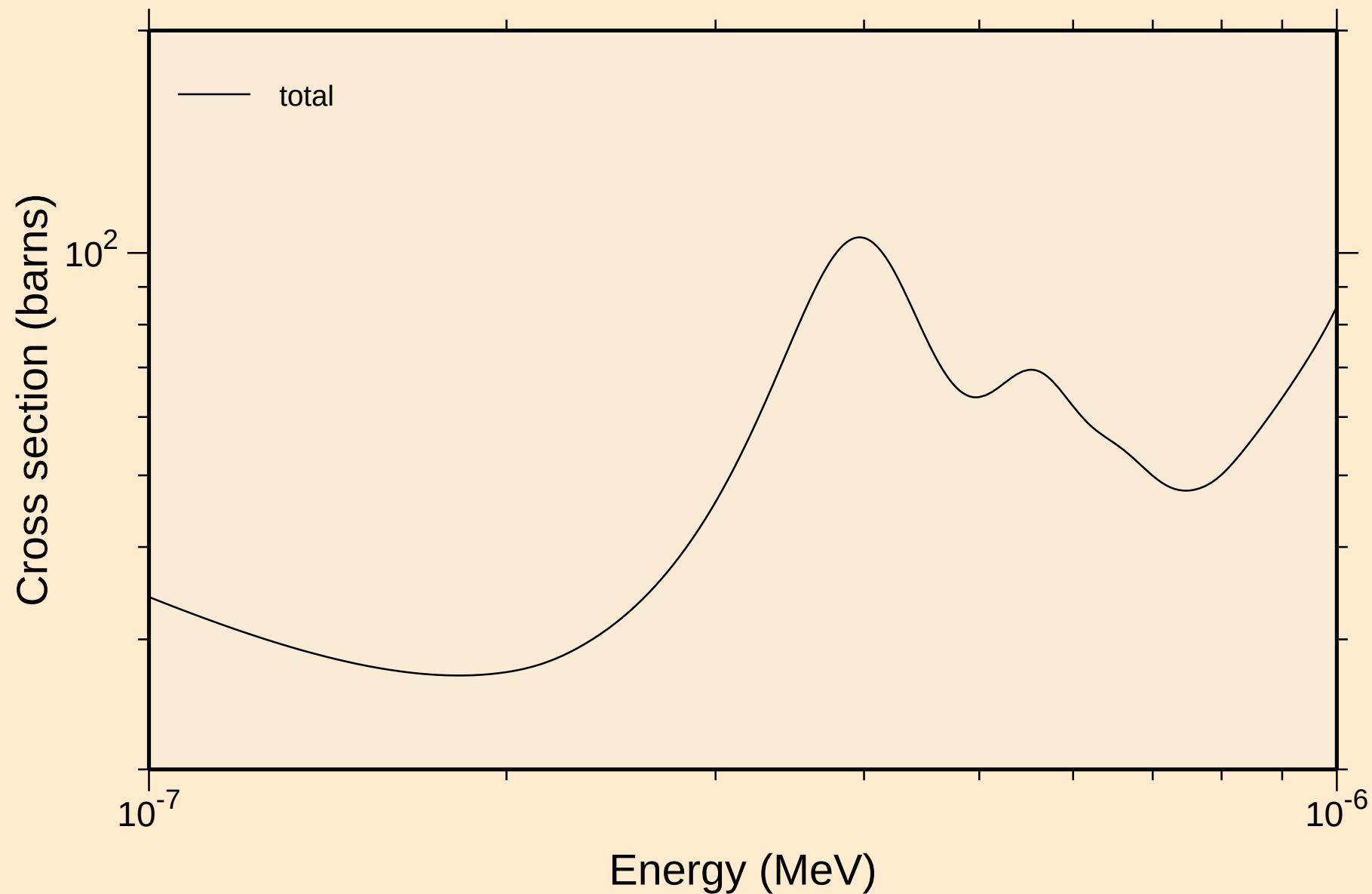


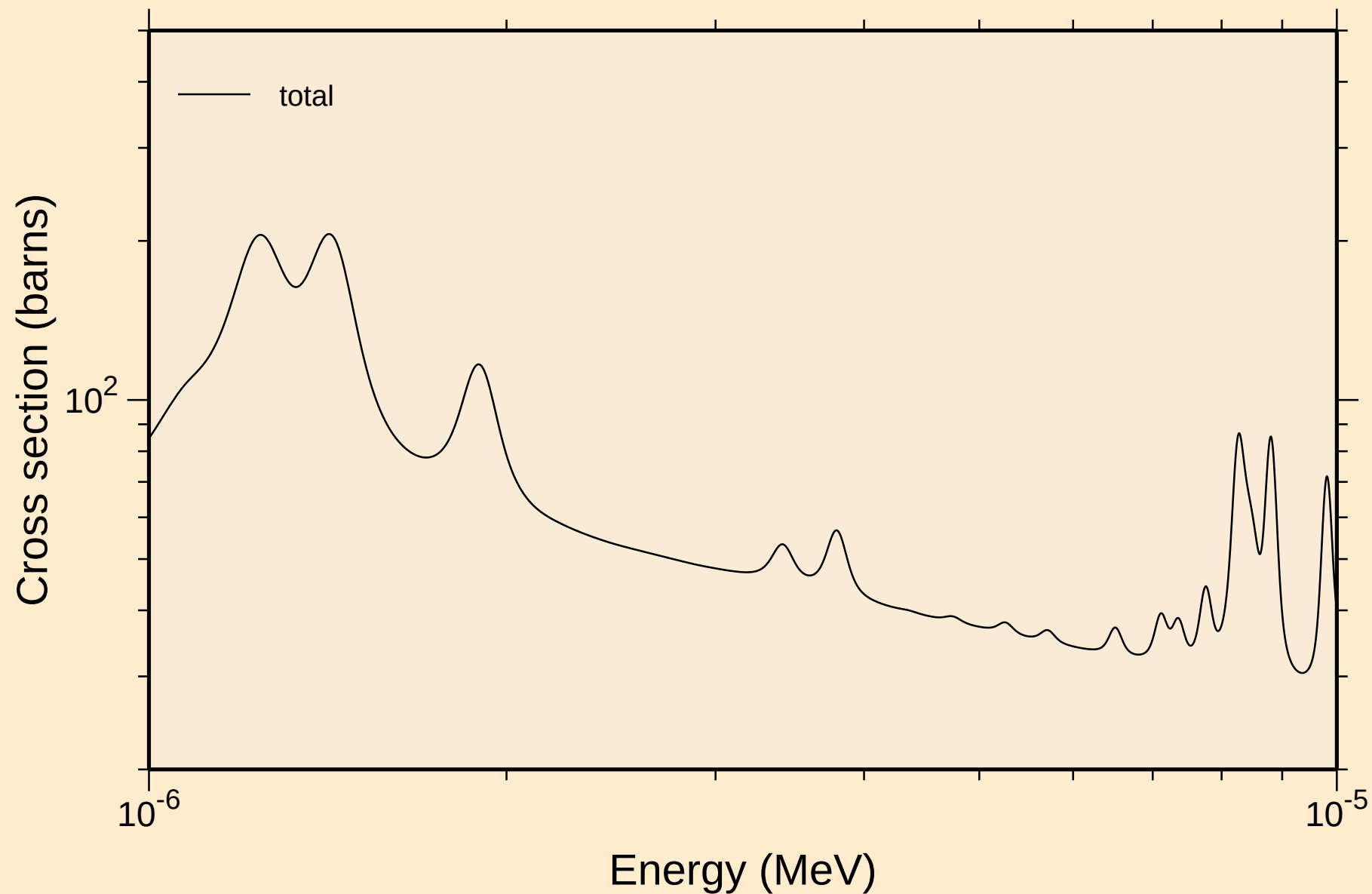
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Principal cross sections



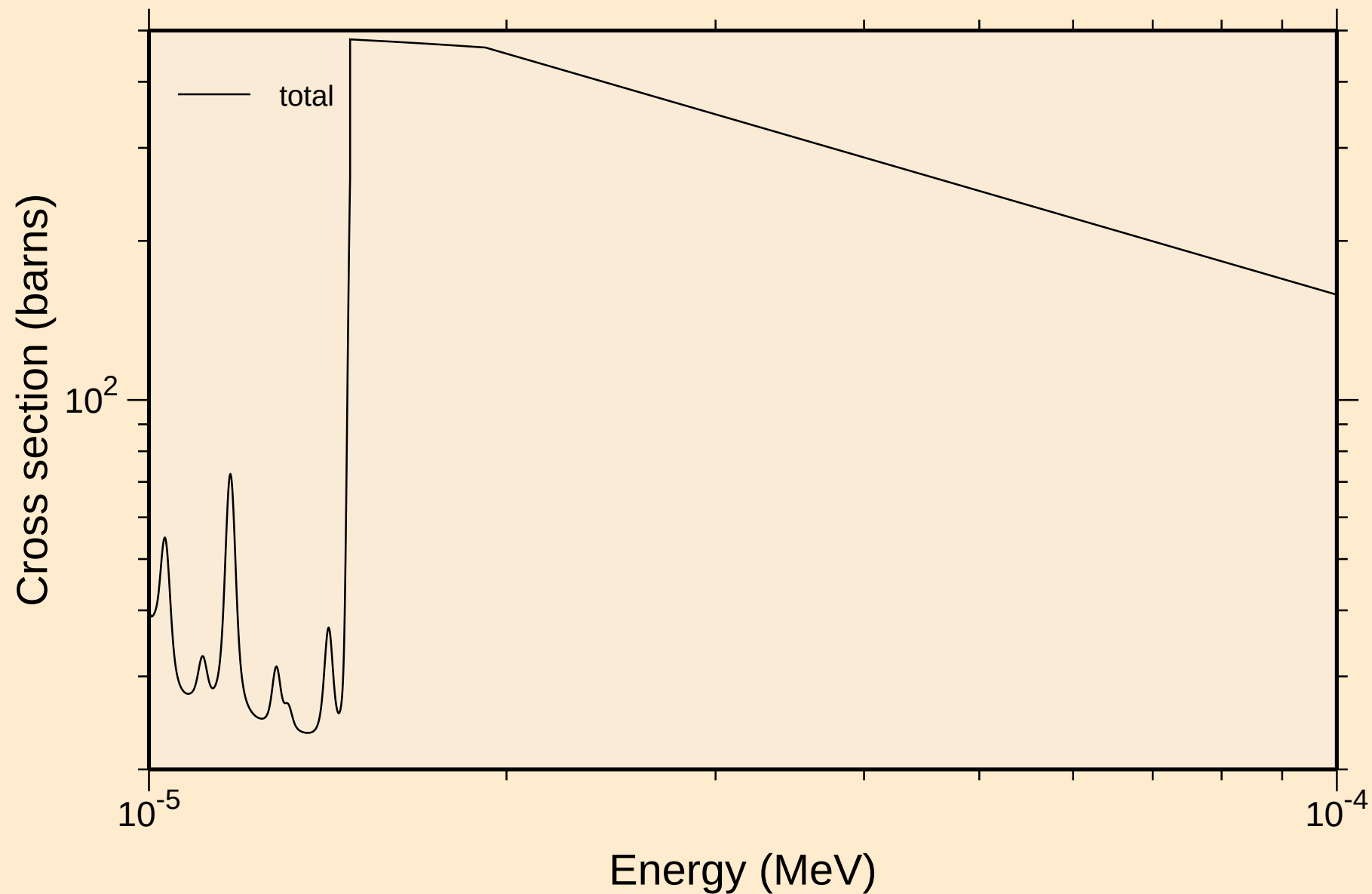
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



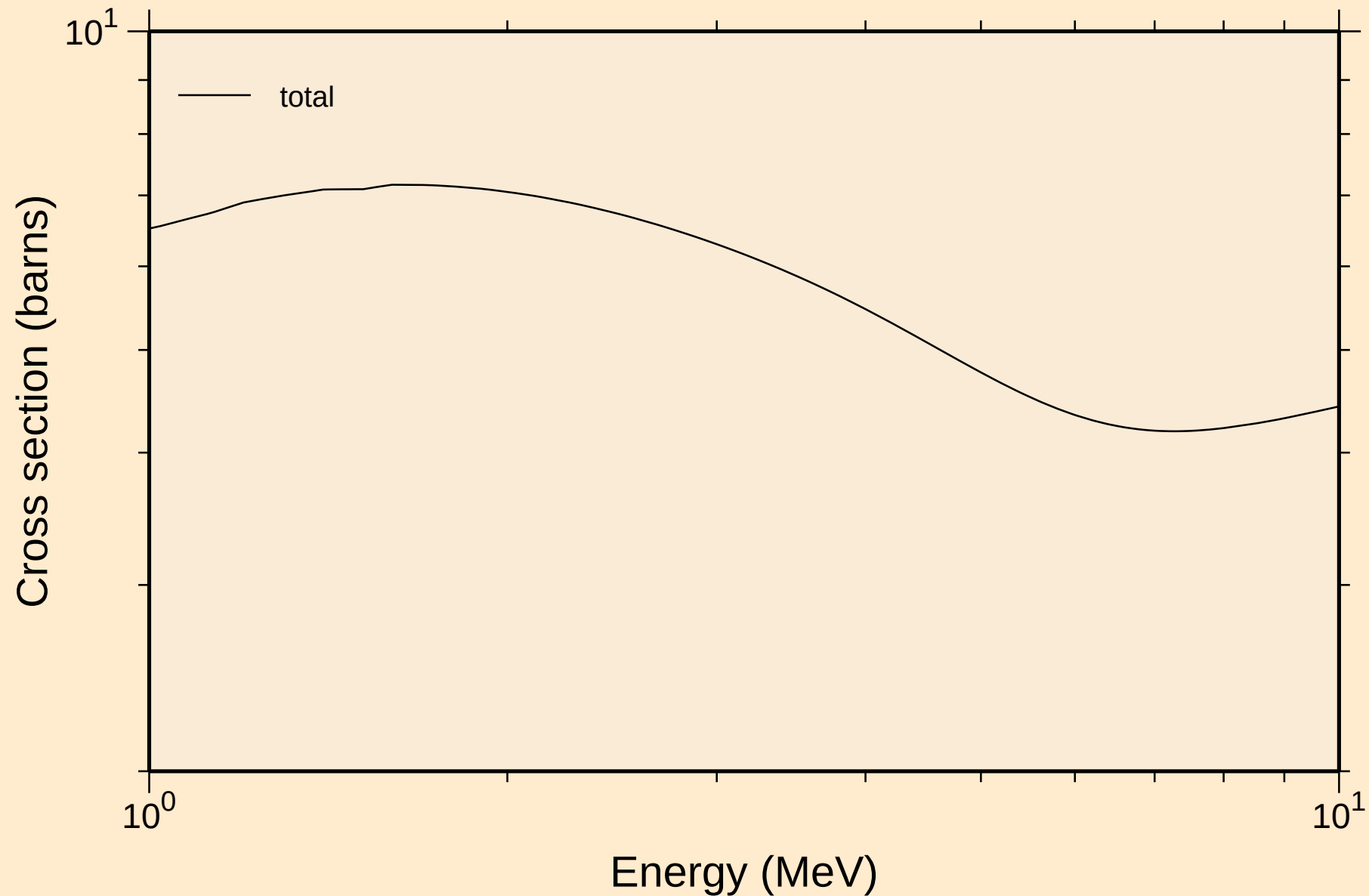
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



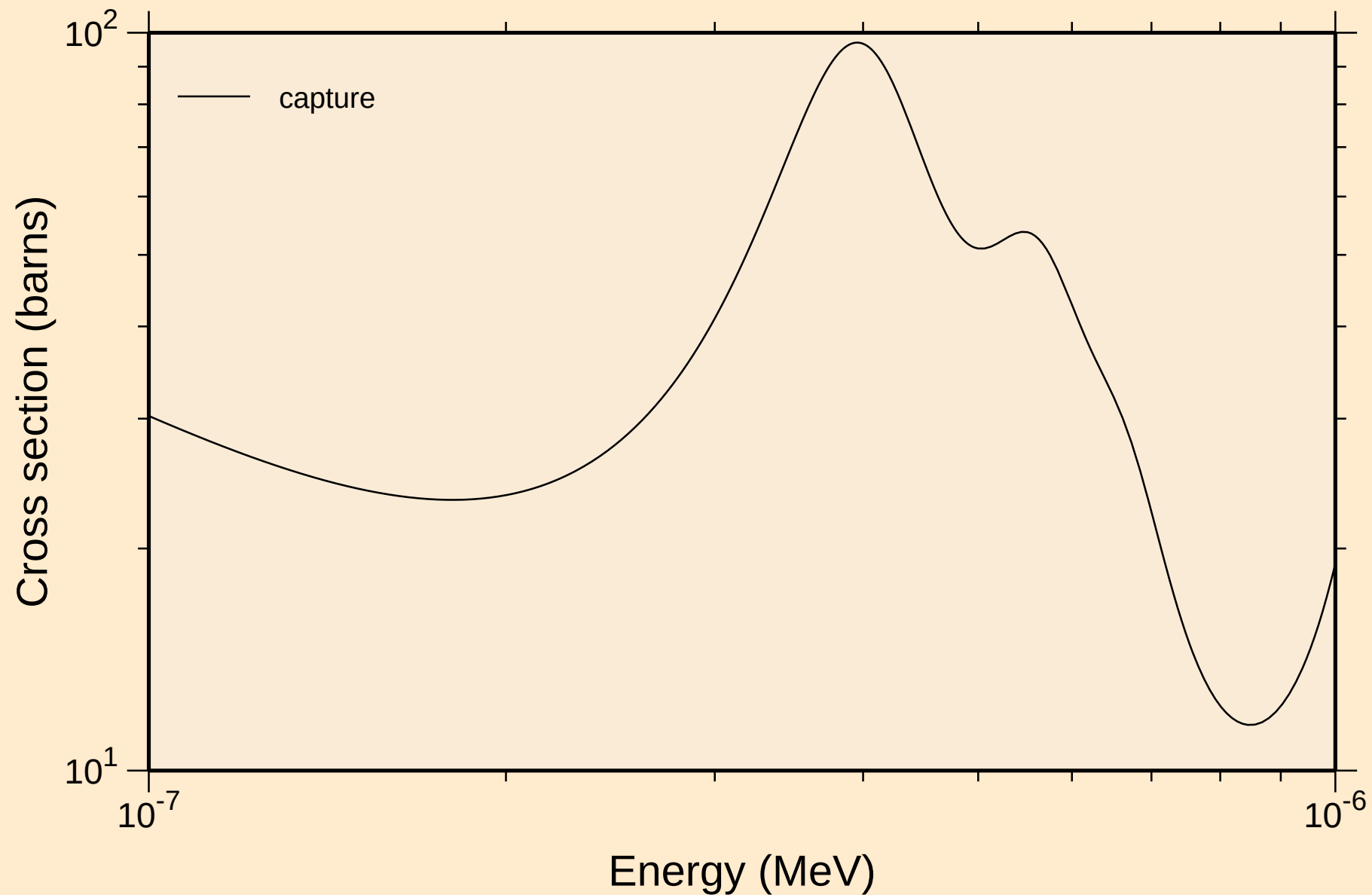
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



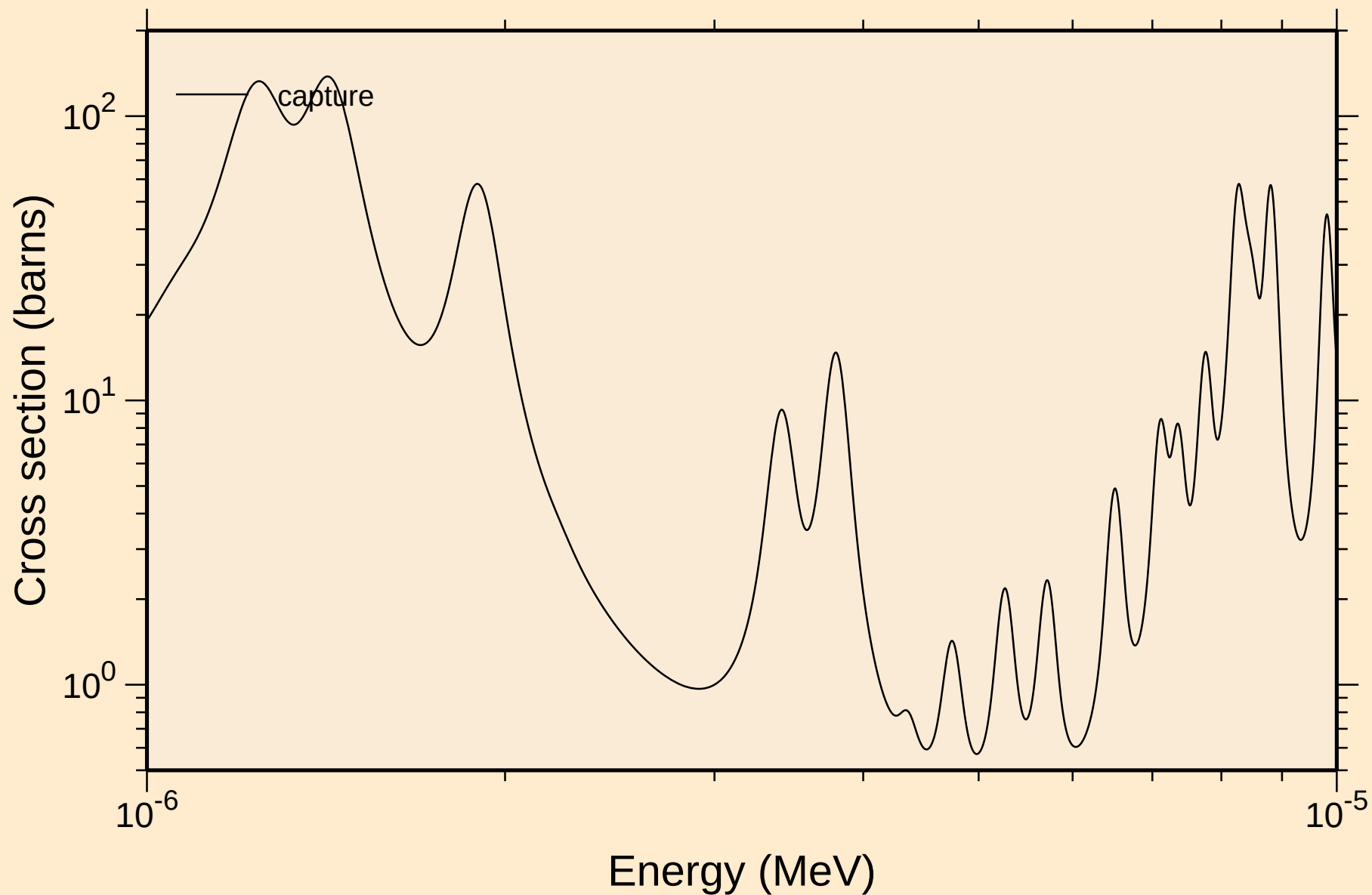
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



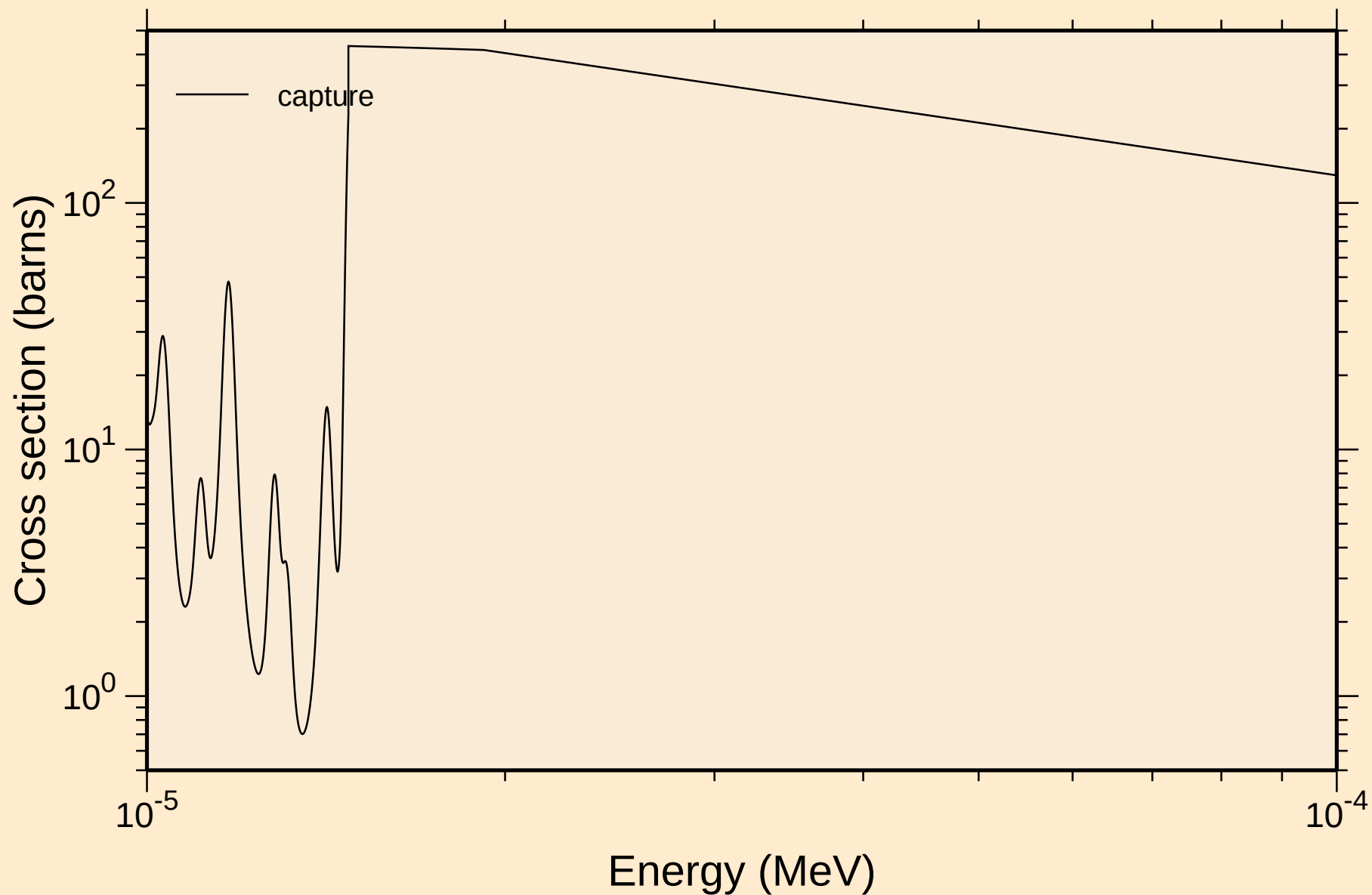
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections

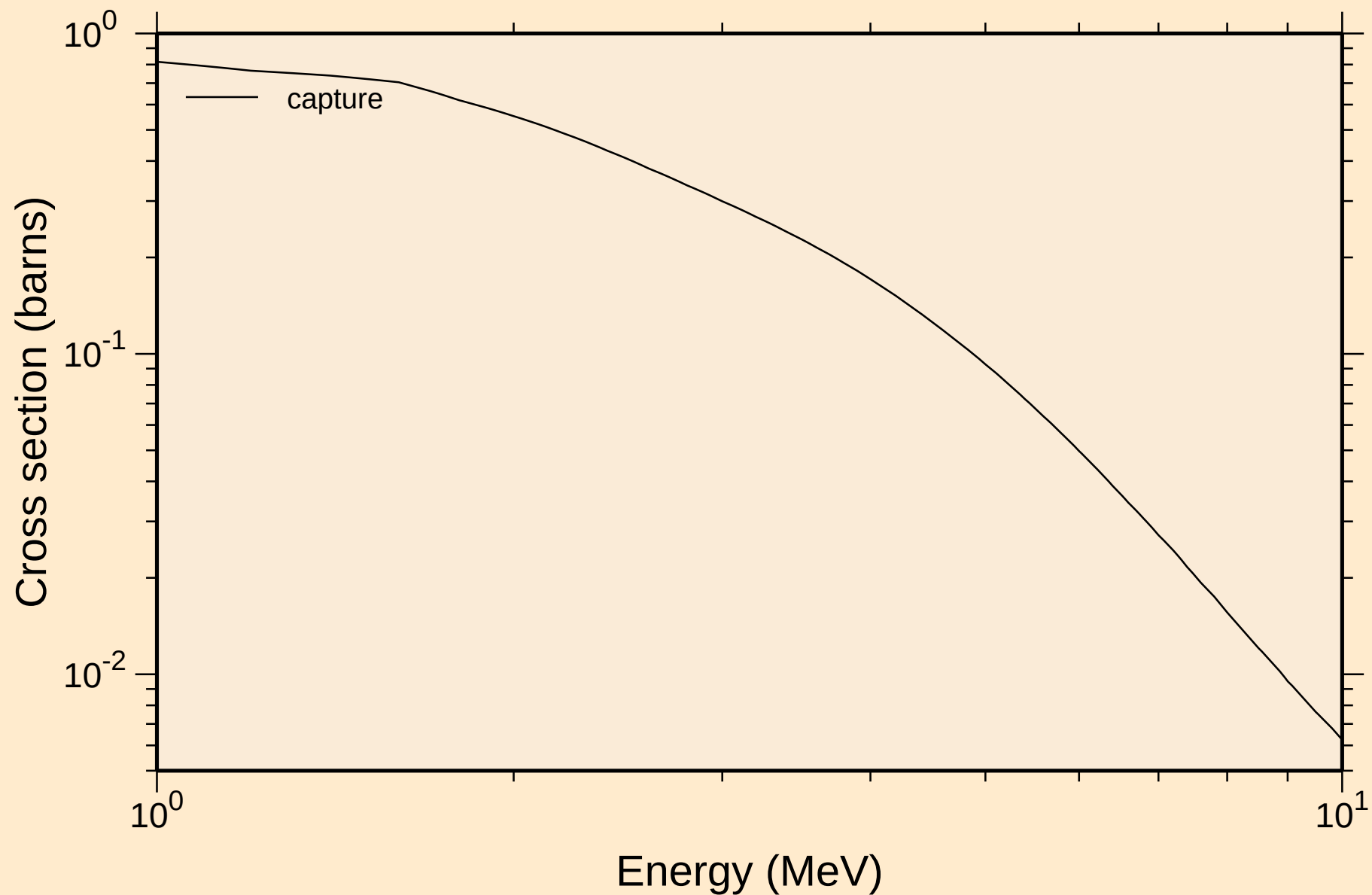


PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections

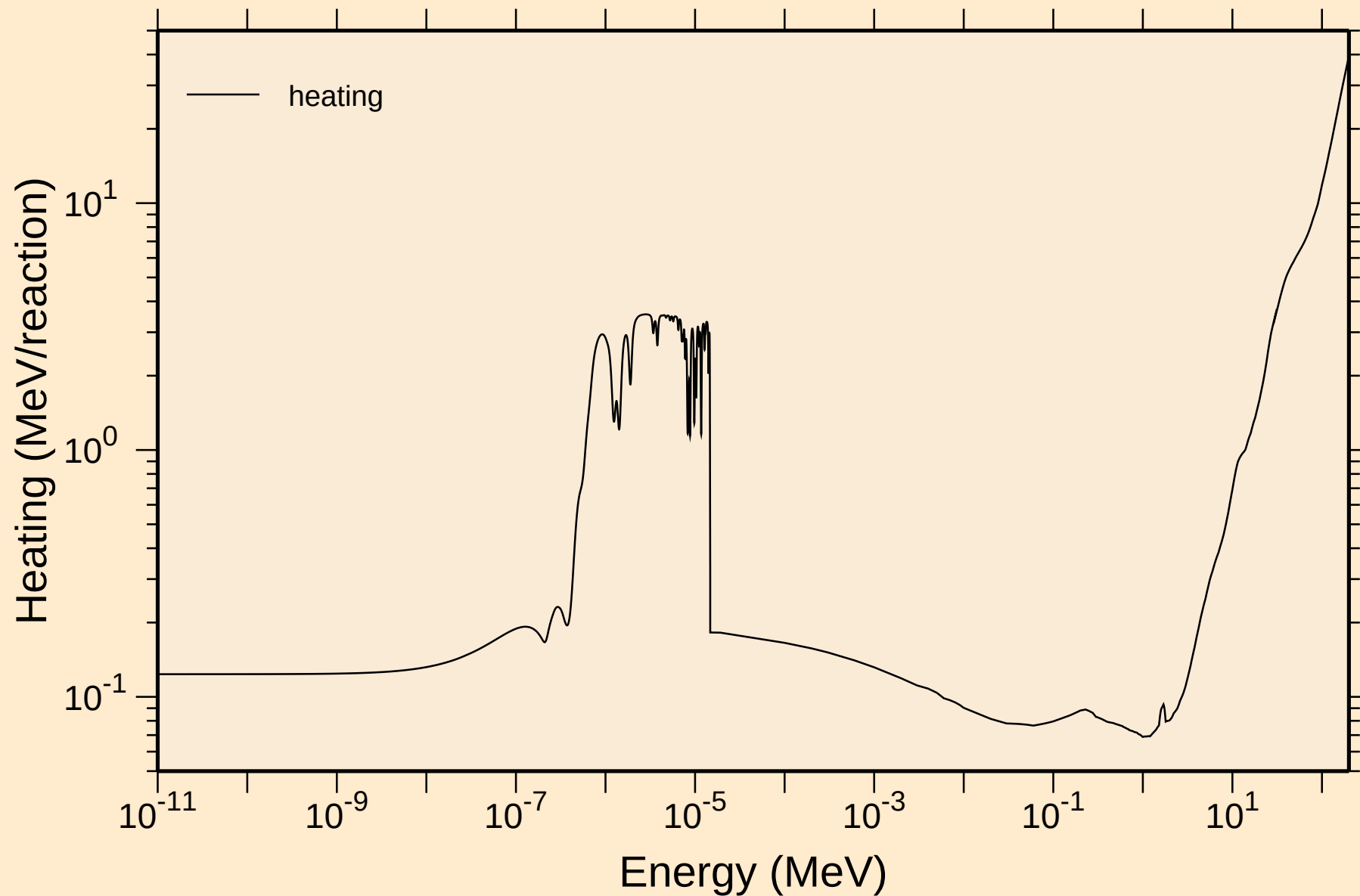




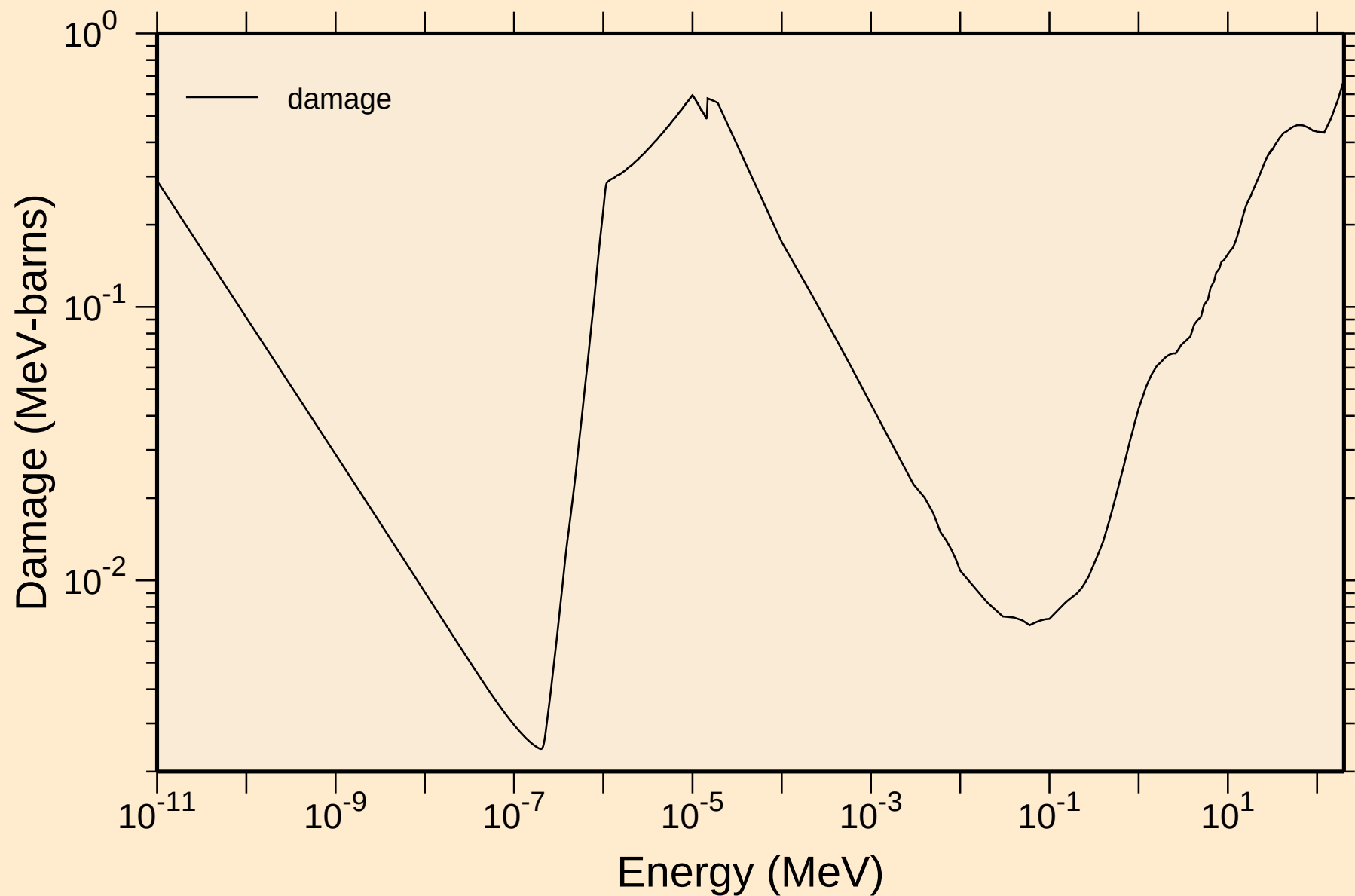
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



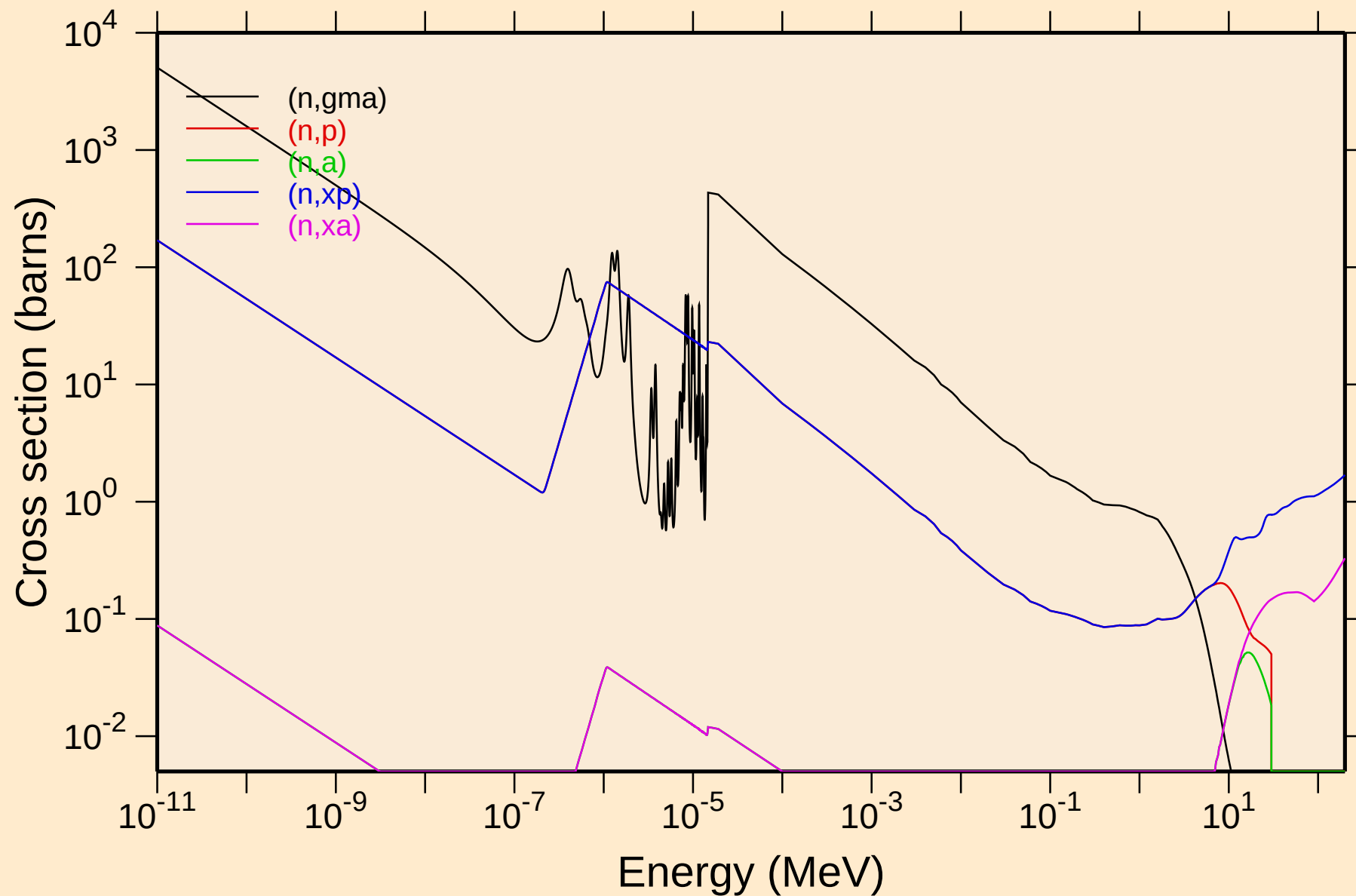
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Heating



PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Damage

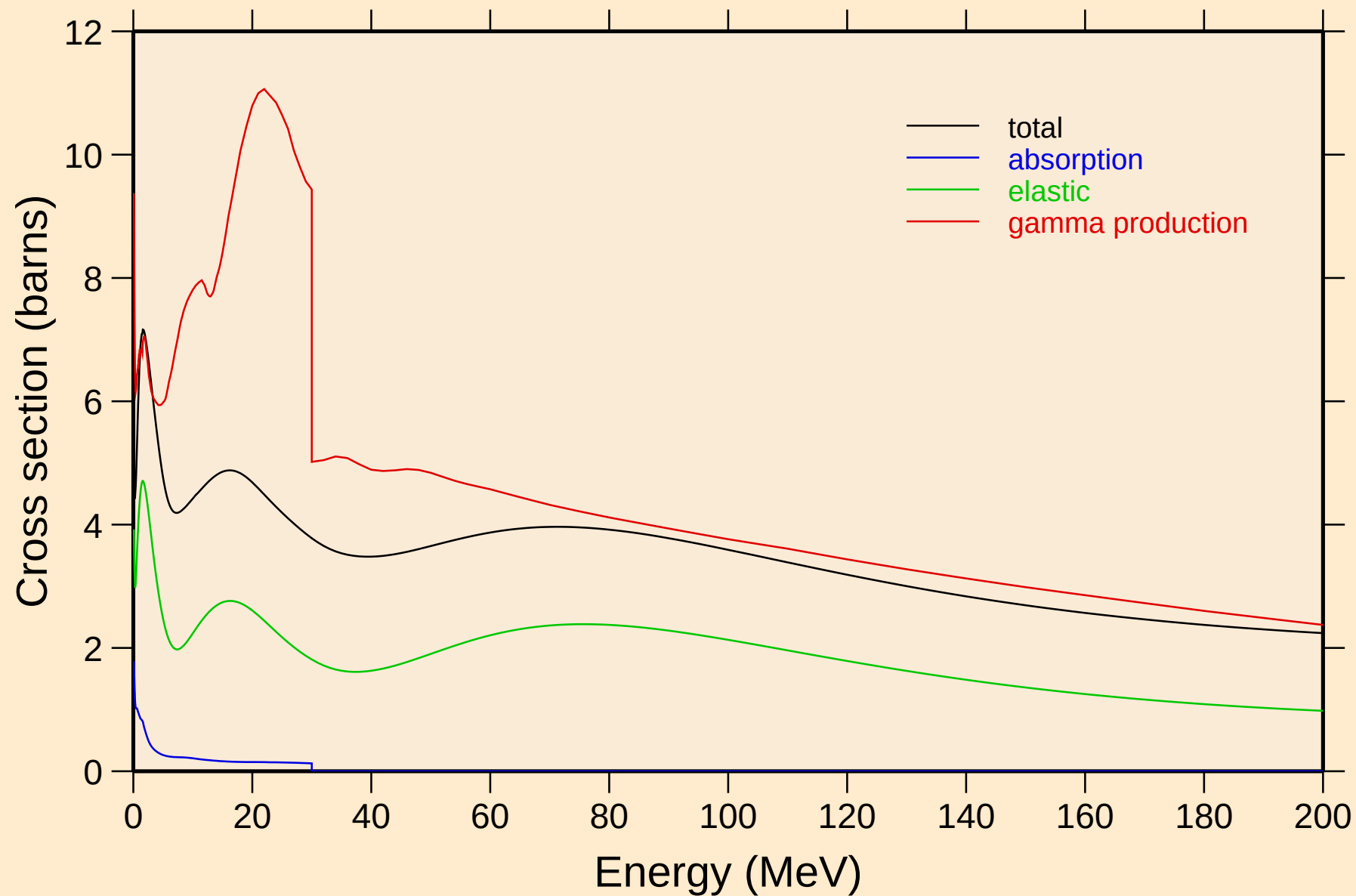


PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions



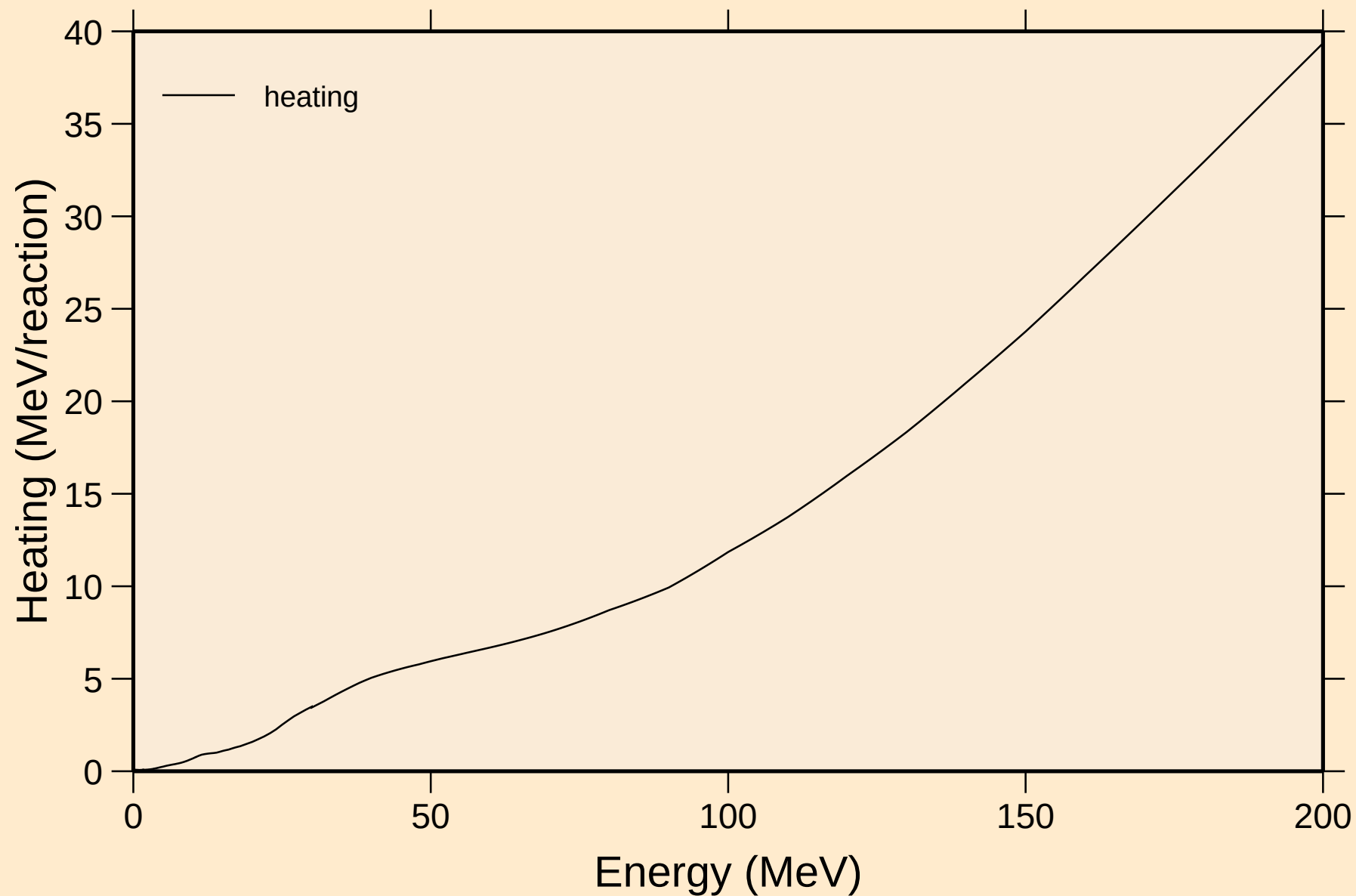
# PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Principal cross sections

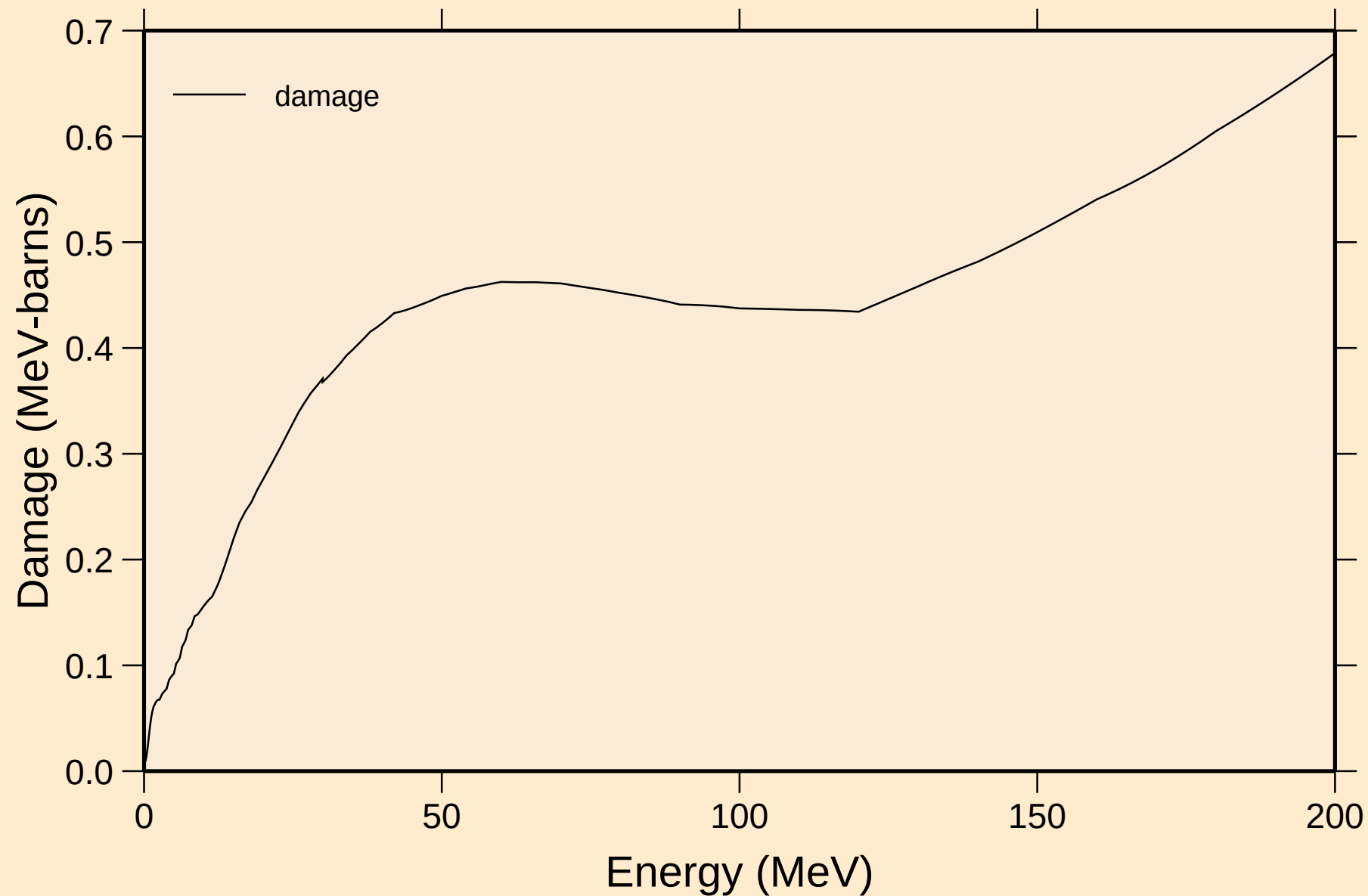


# PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

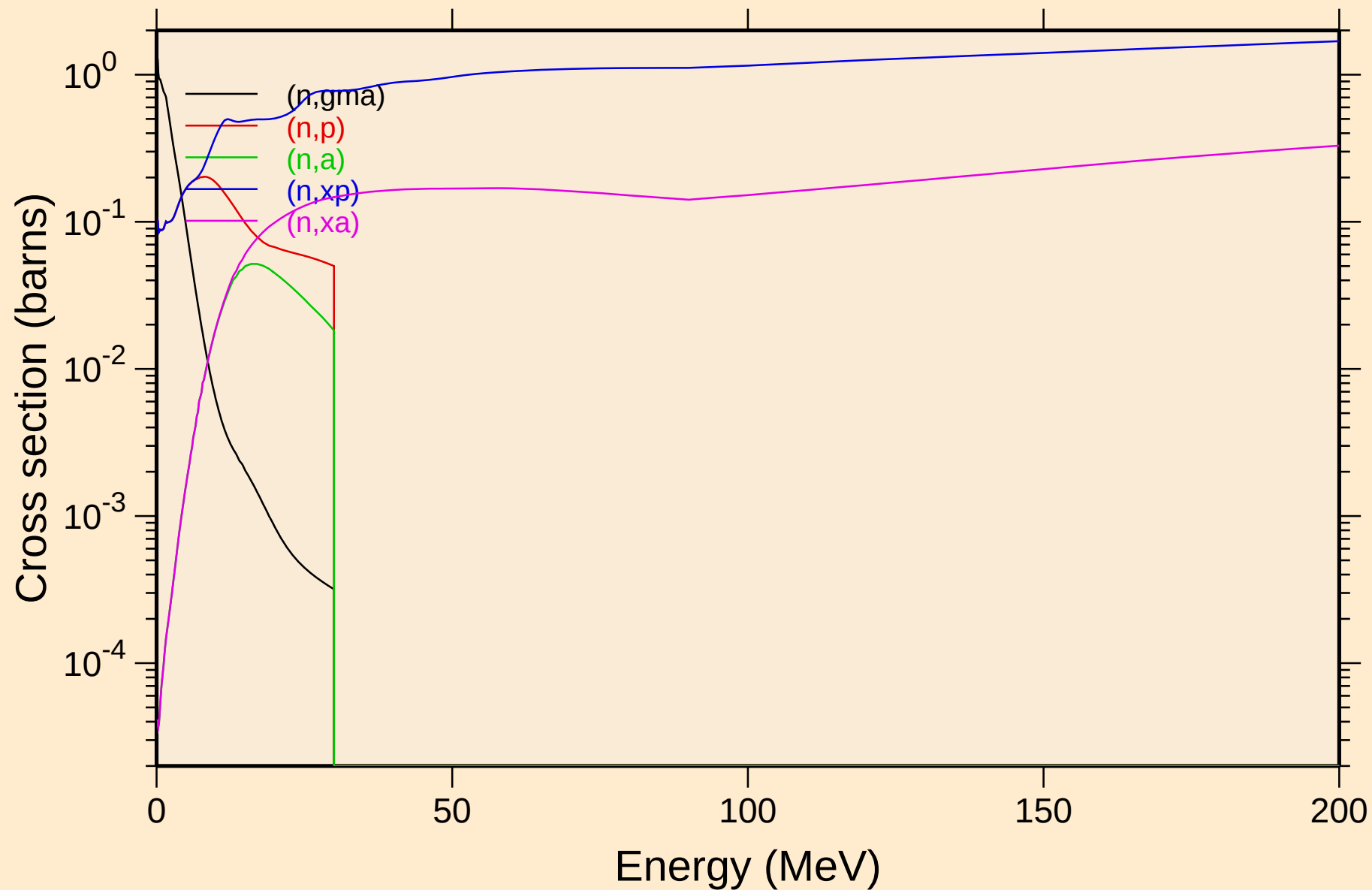
## Heating



PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Damage

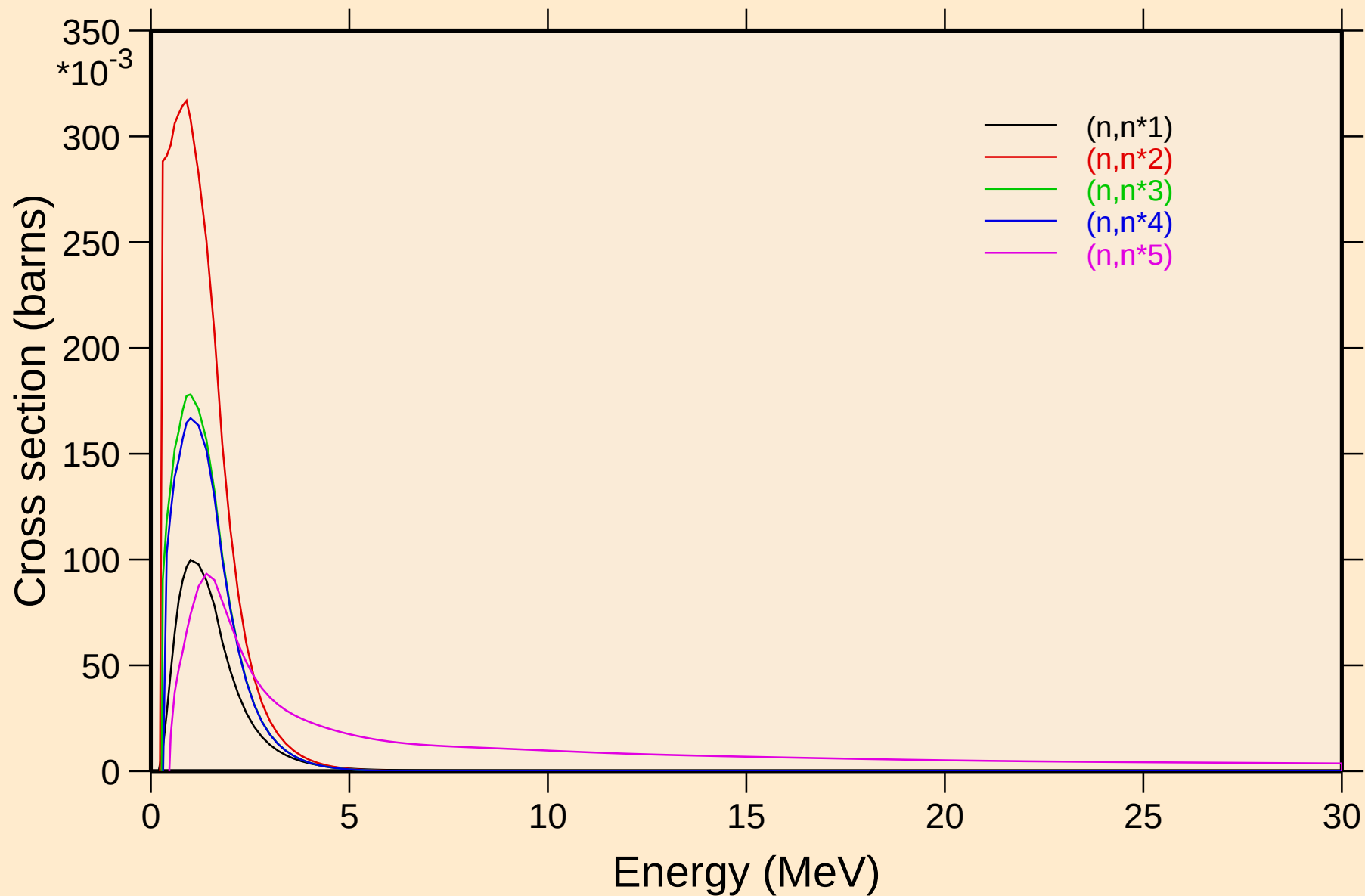


PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions

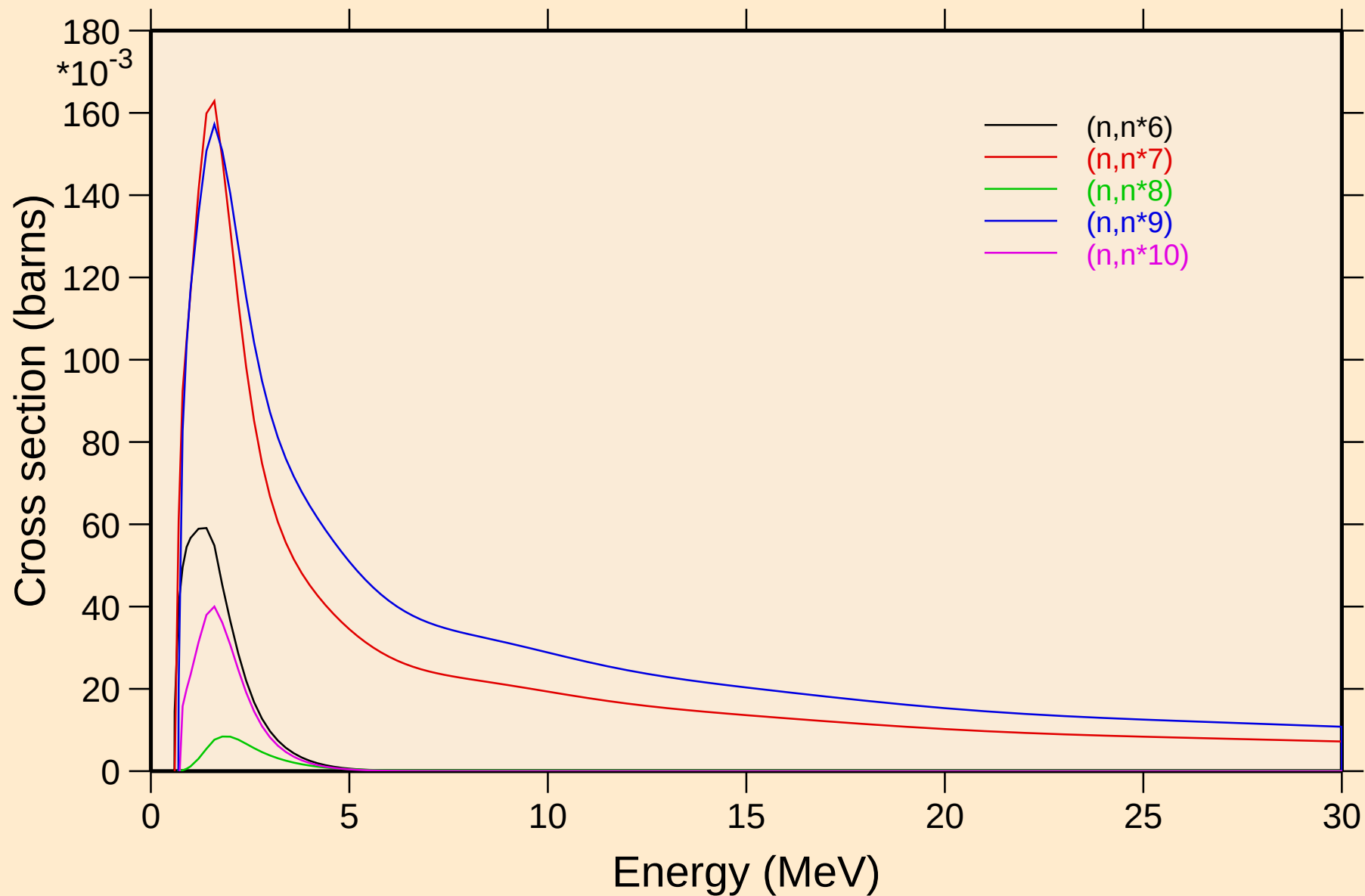




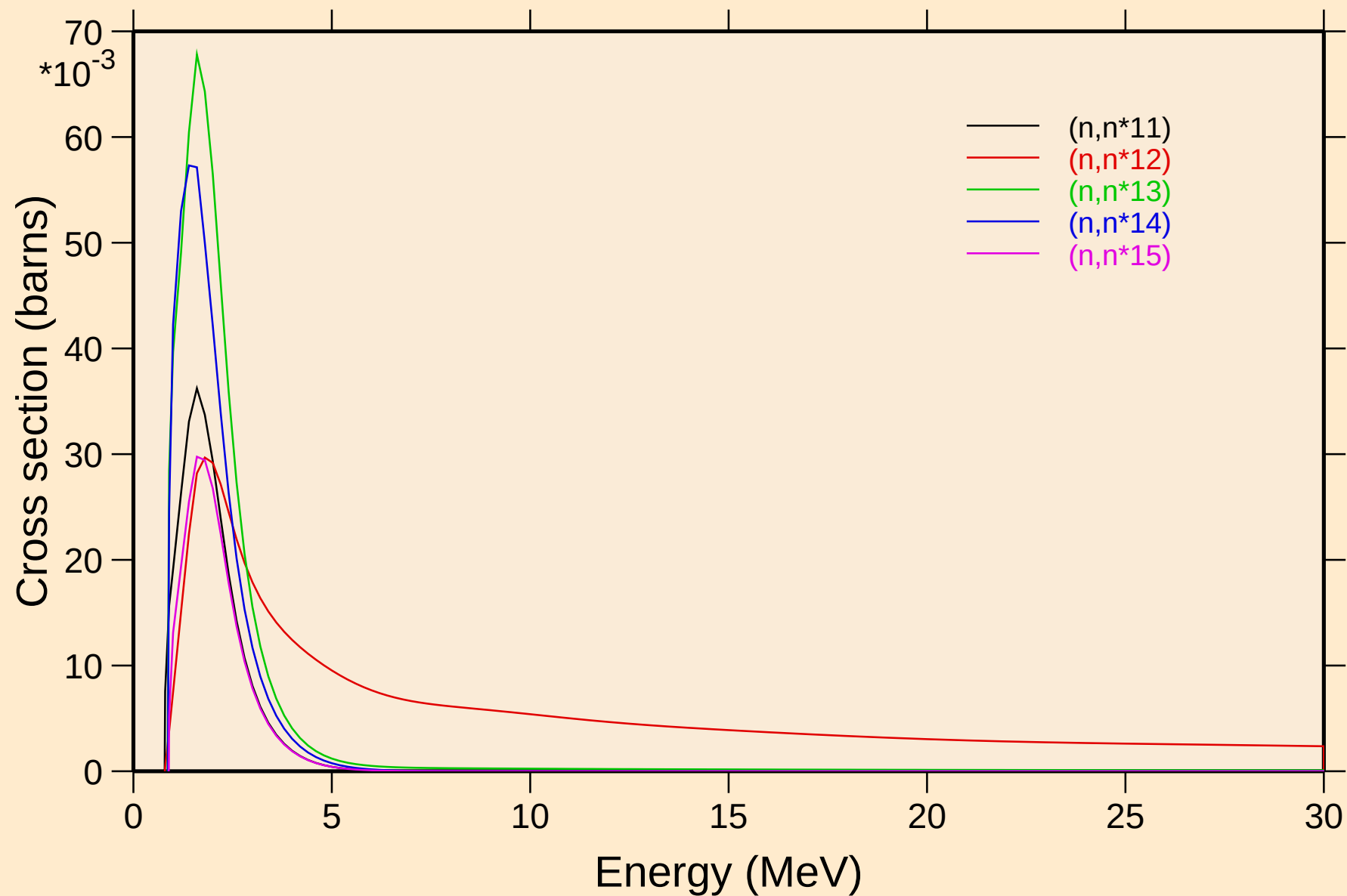
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



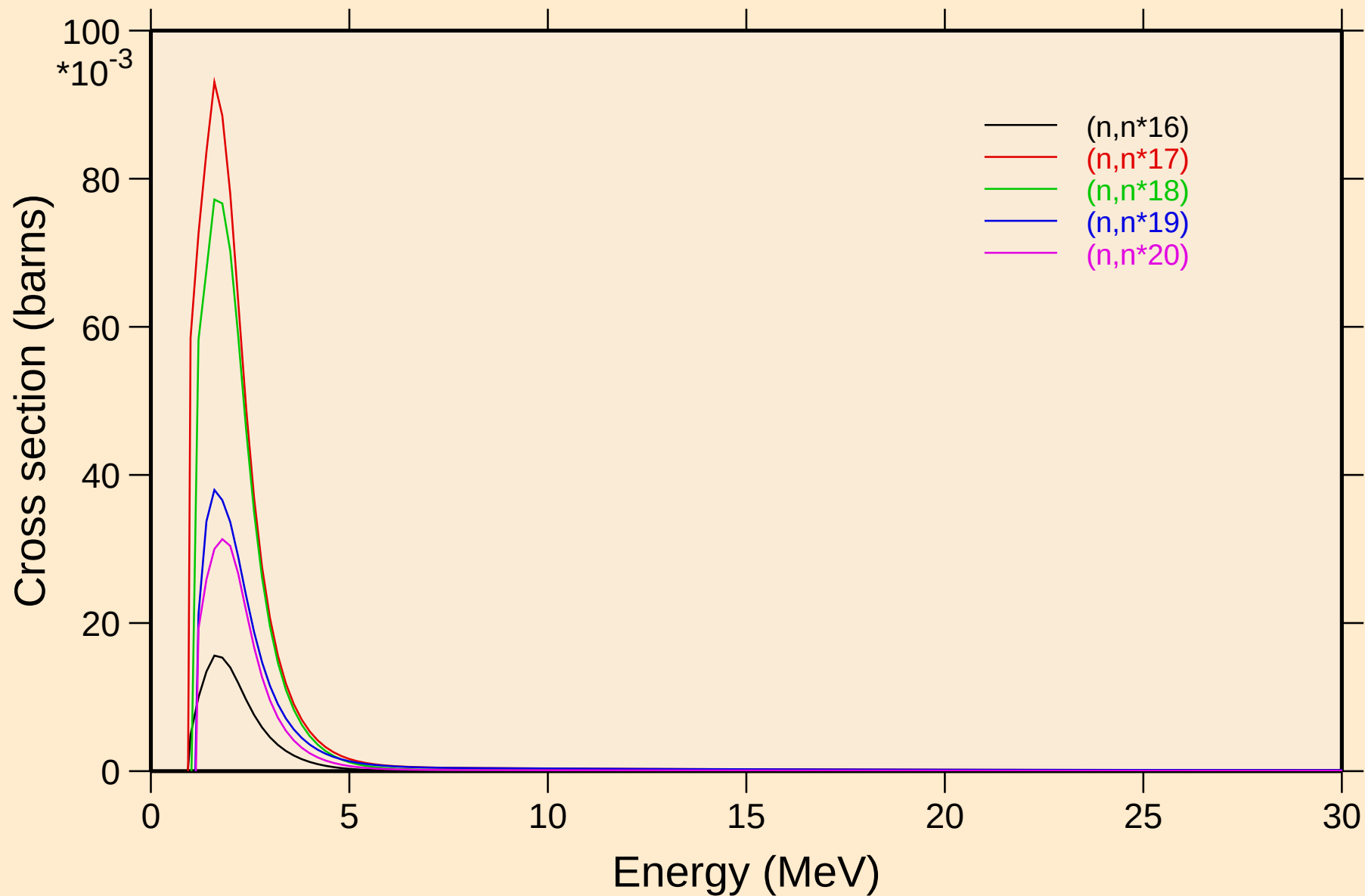
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



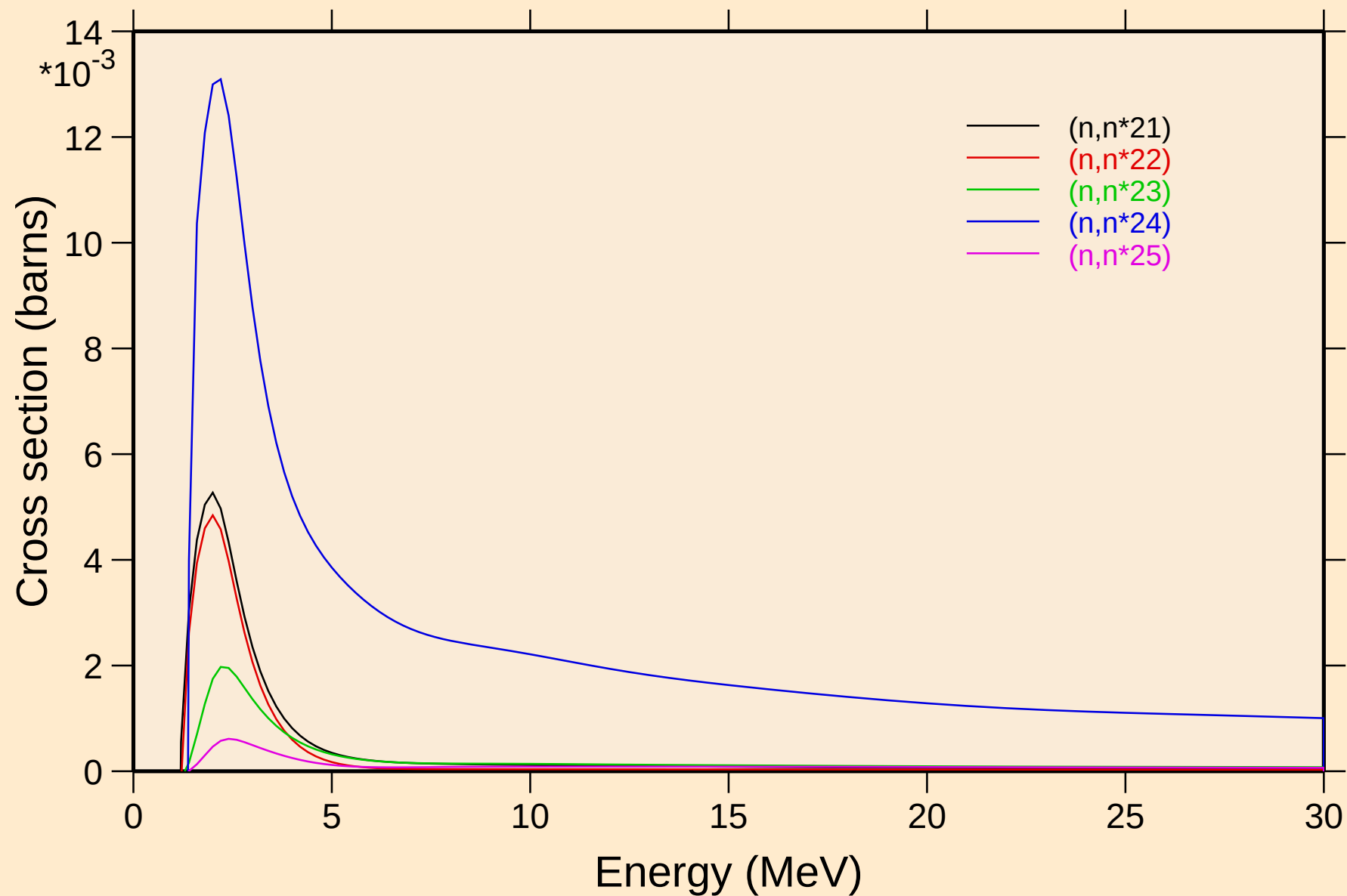
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



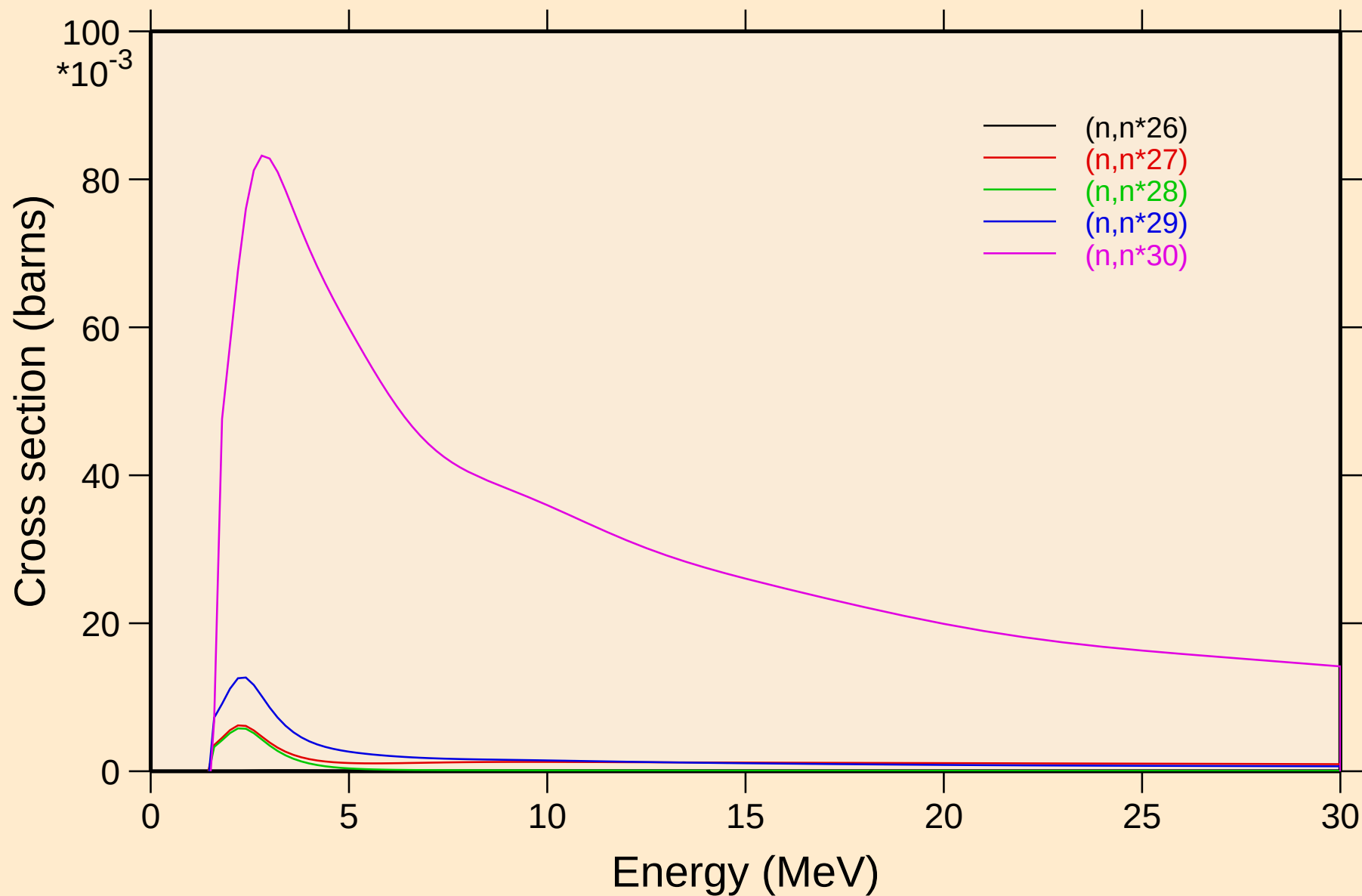
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



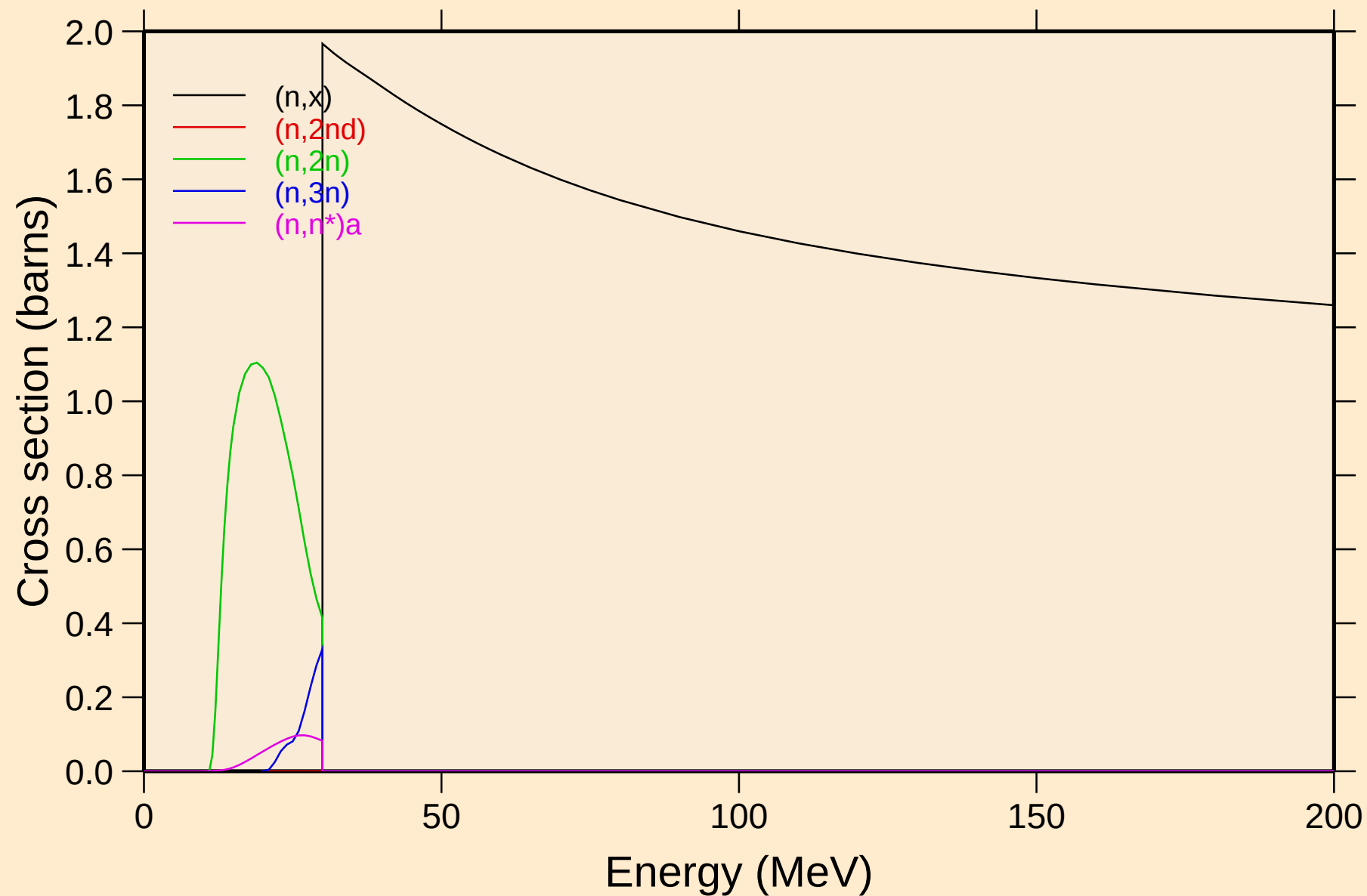
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



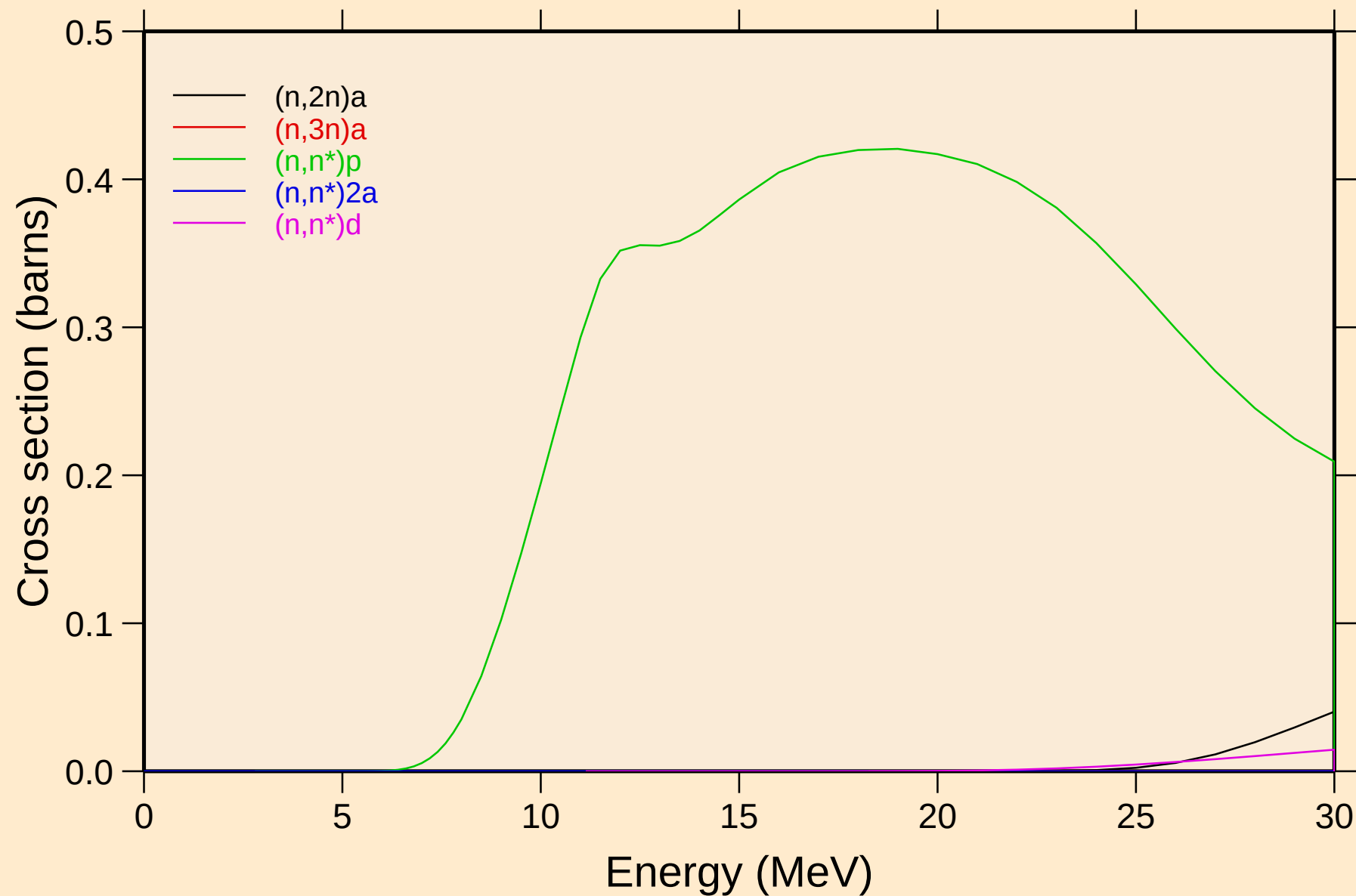
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions

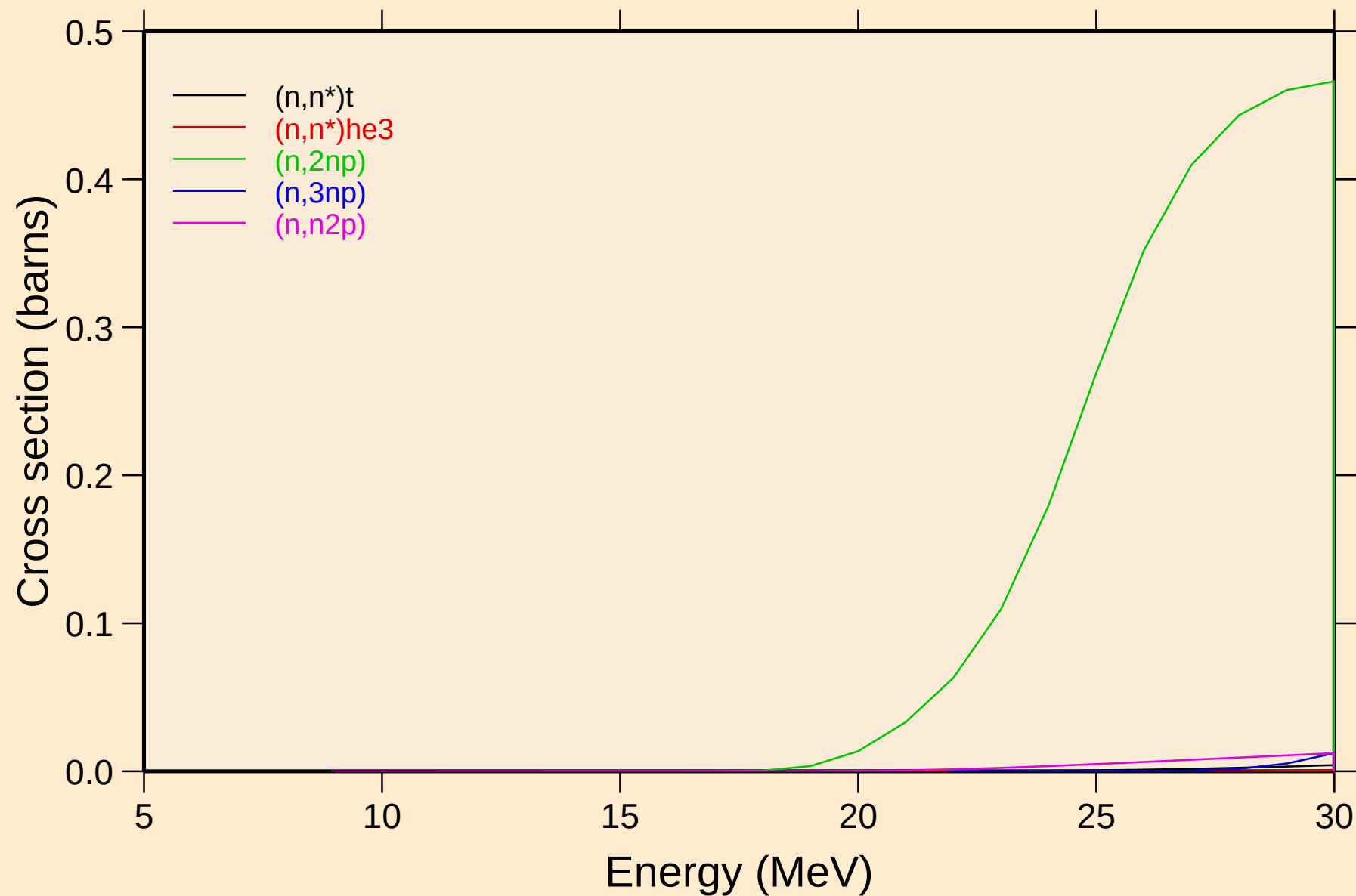


PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions

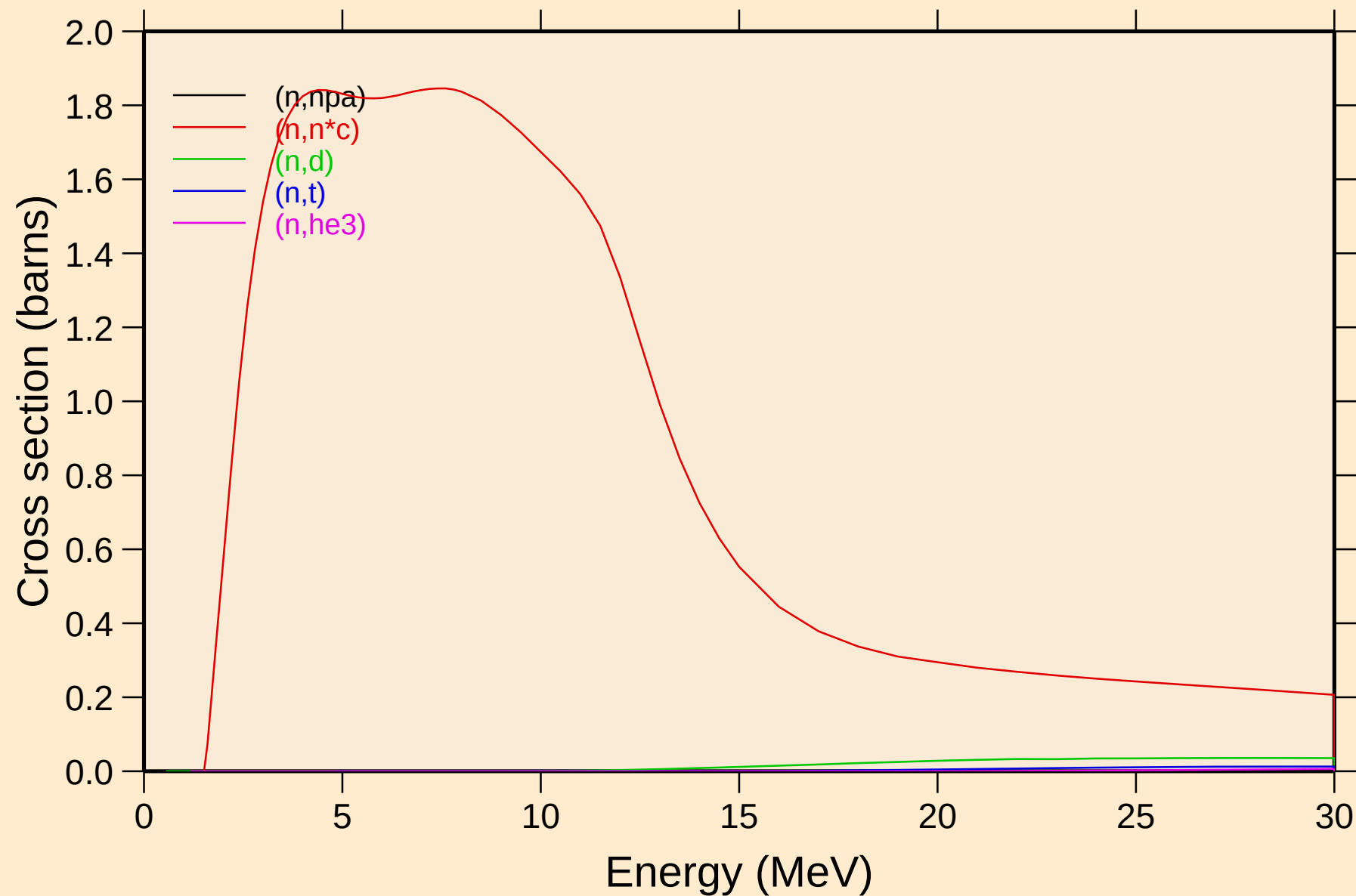




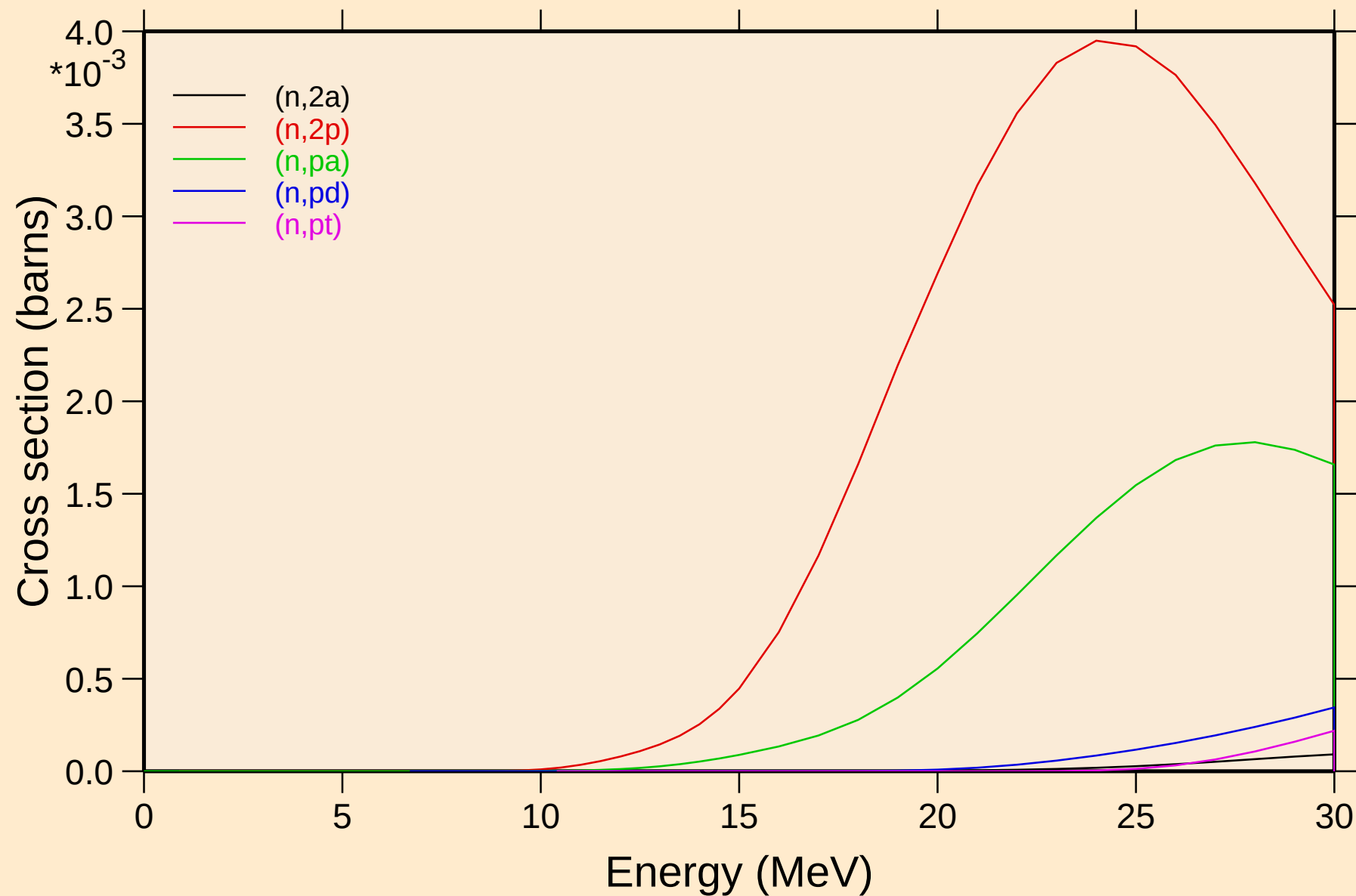
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions

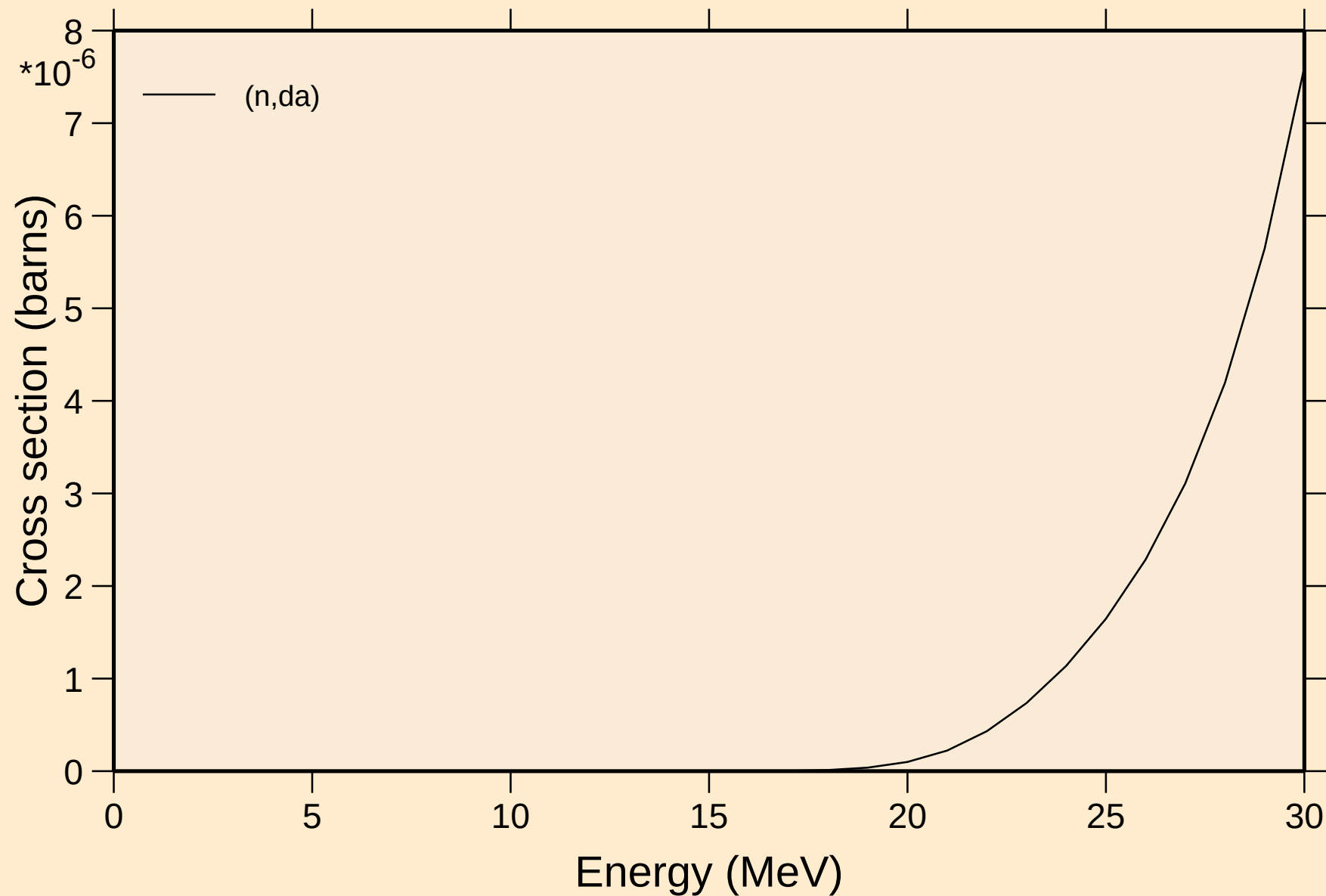


PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions

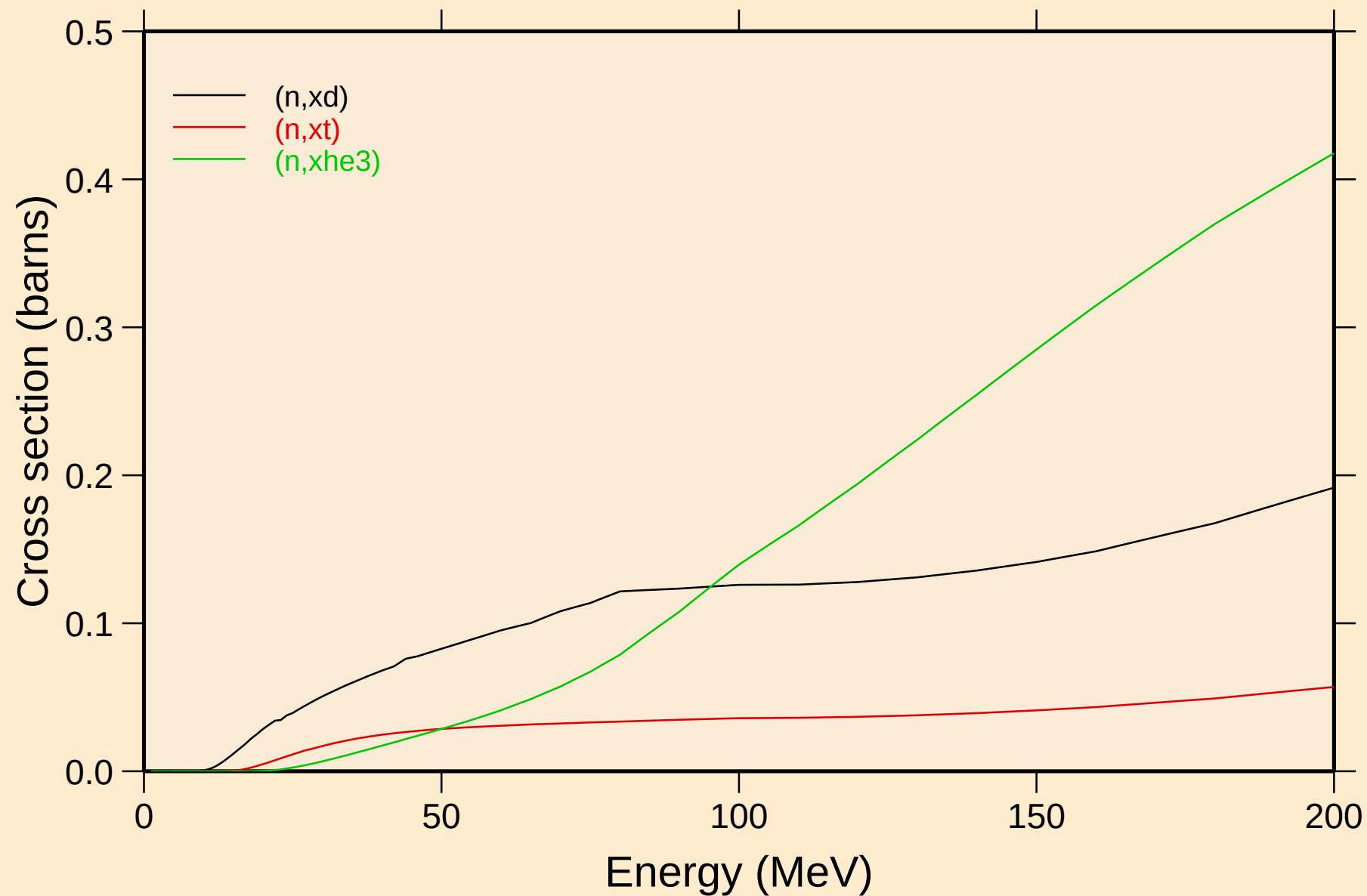


# PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

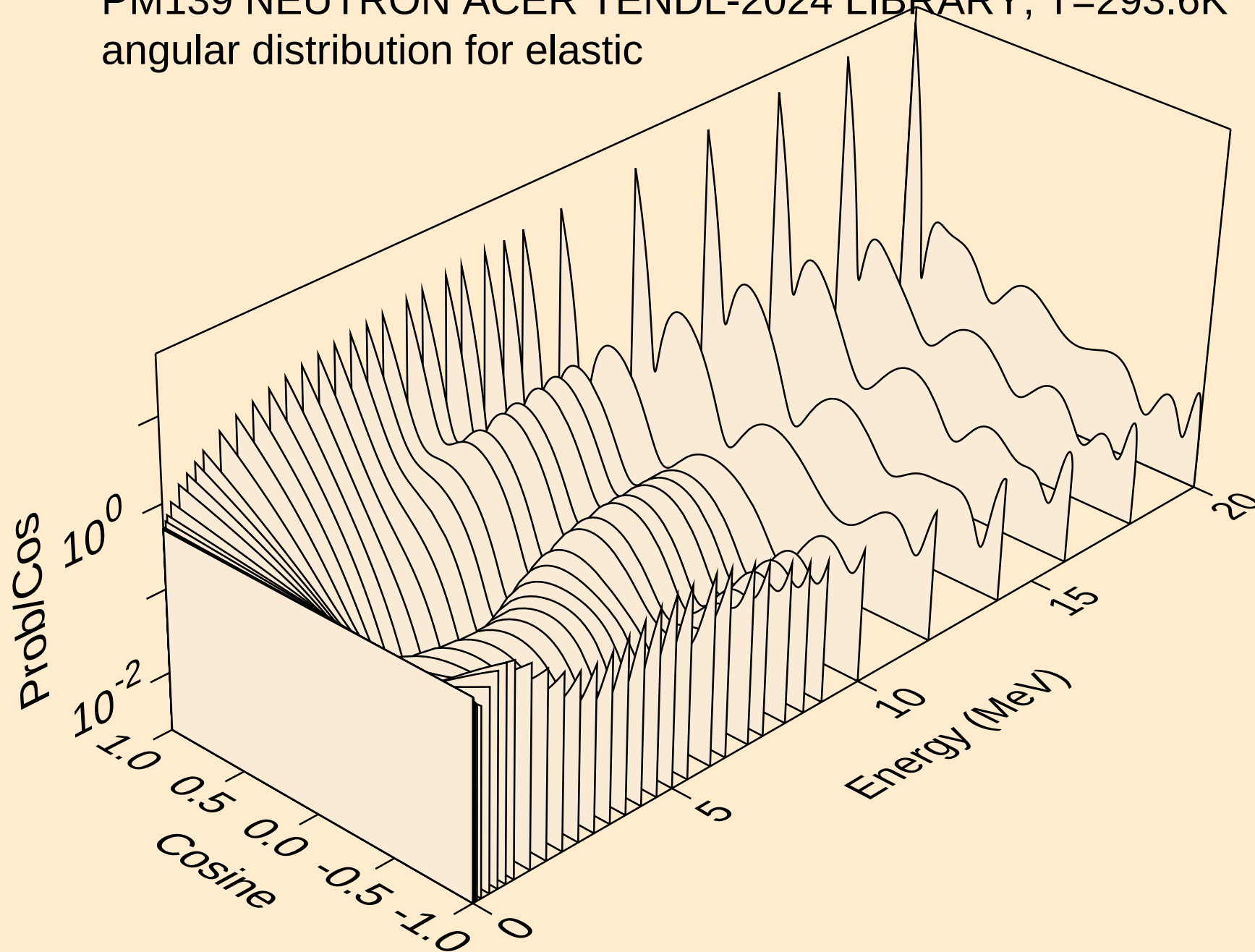
Threshold reactions



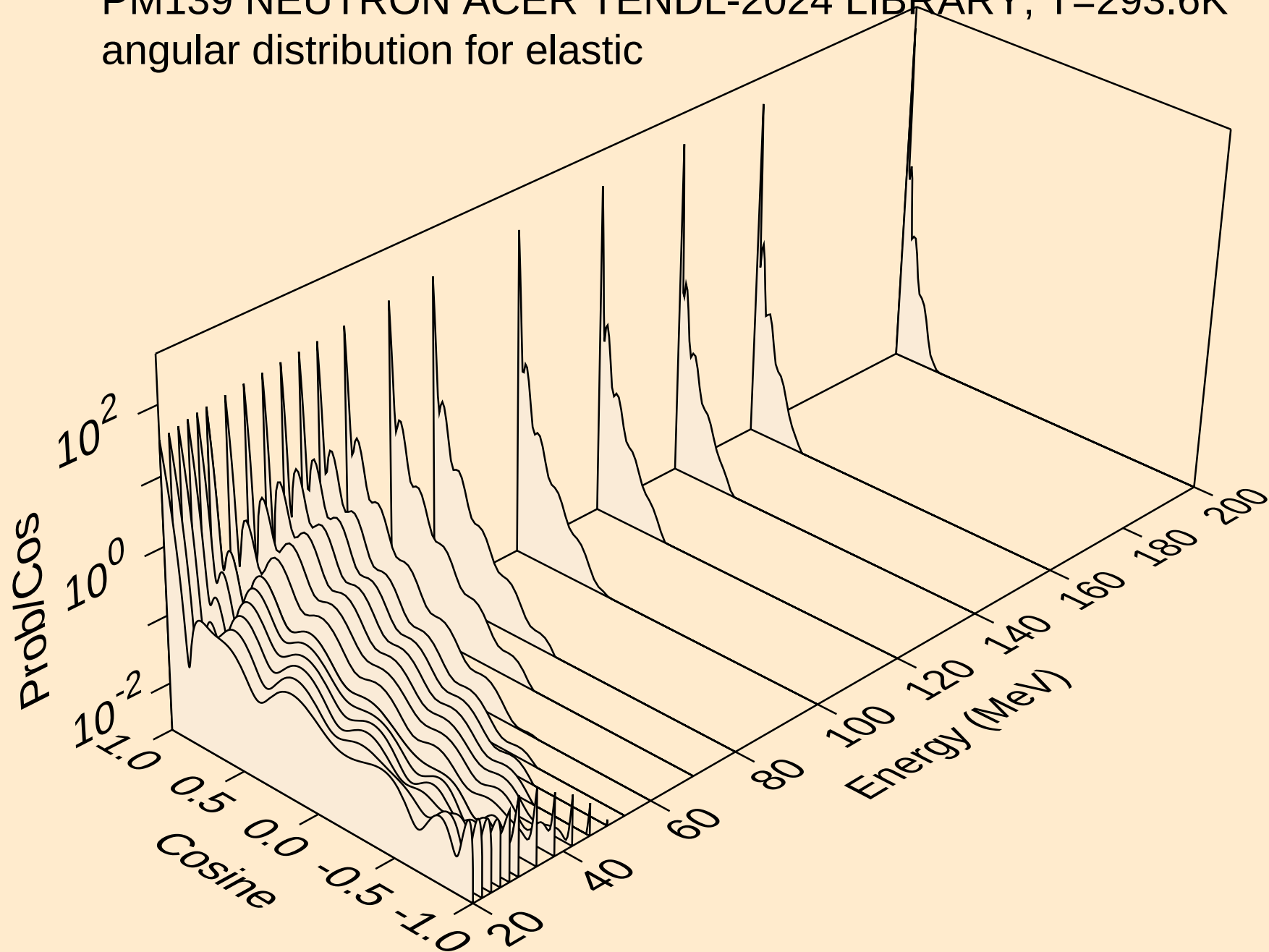
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



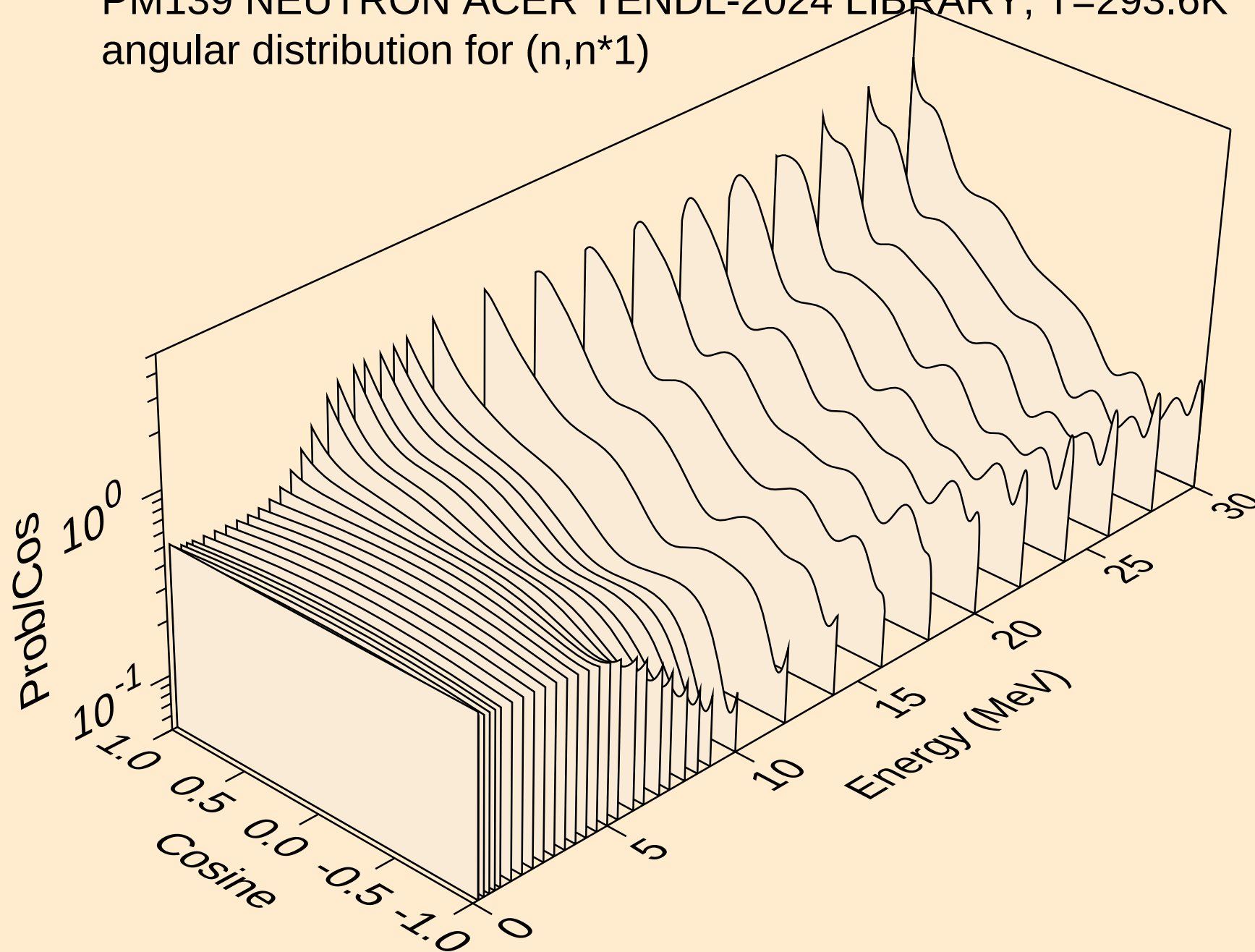
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic



PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic

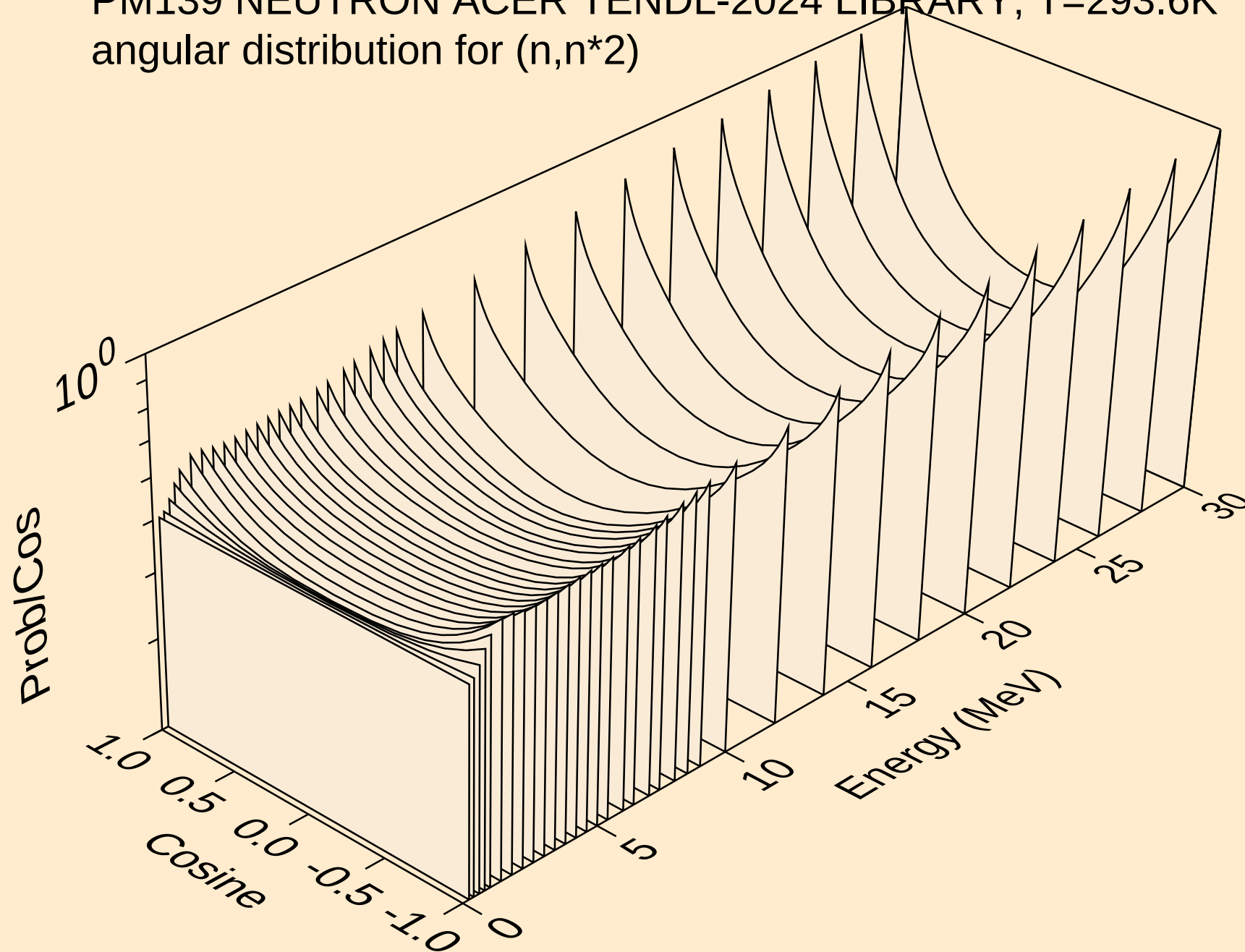


PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)

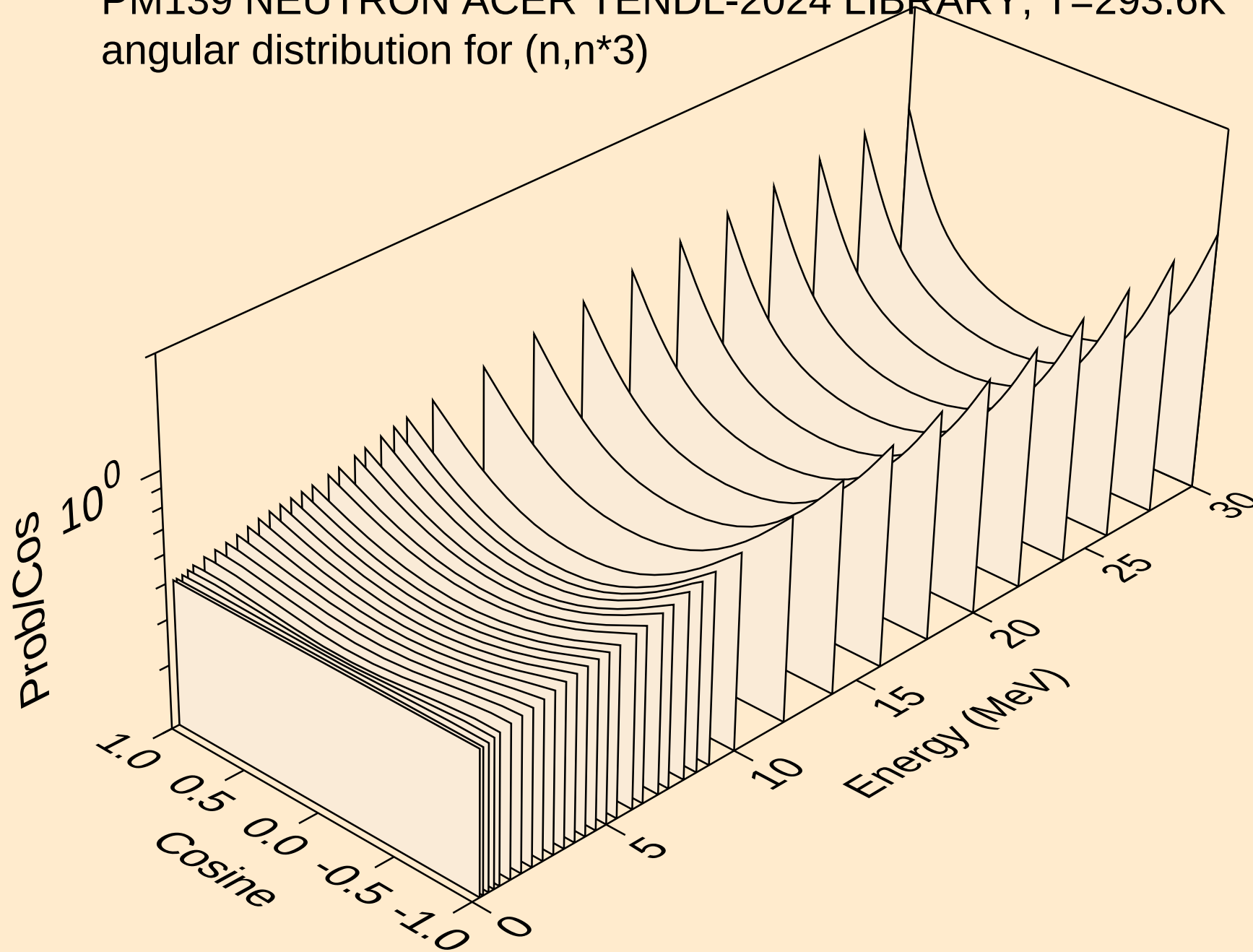




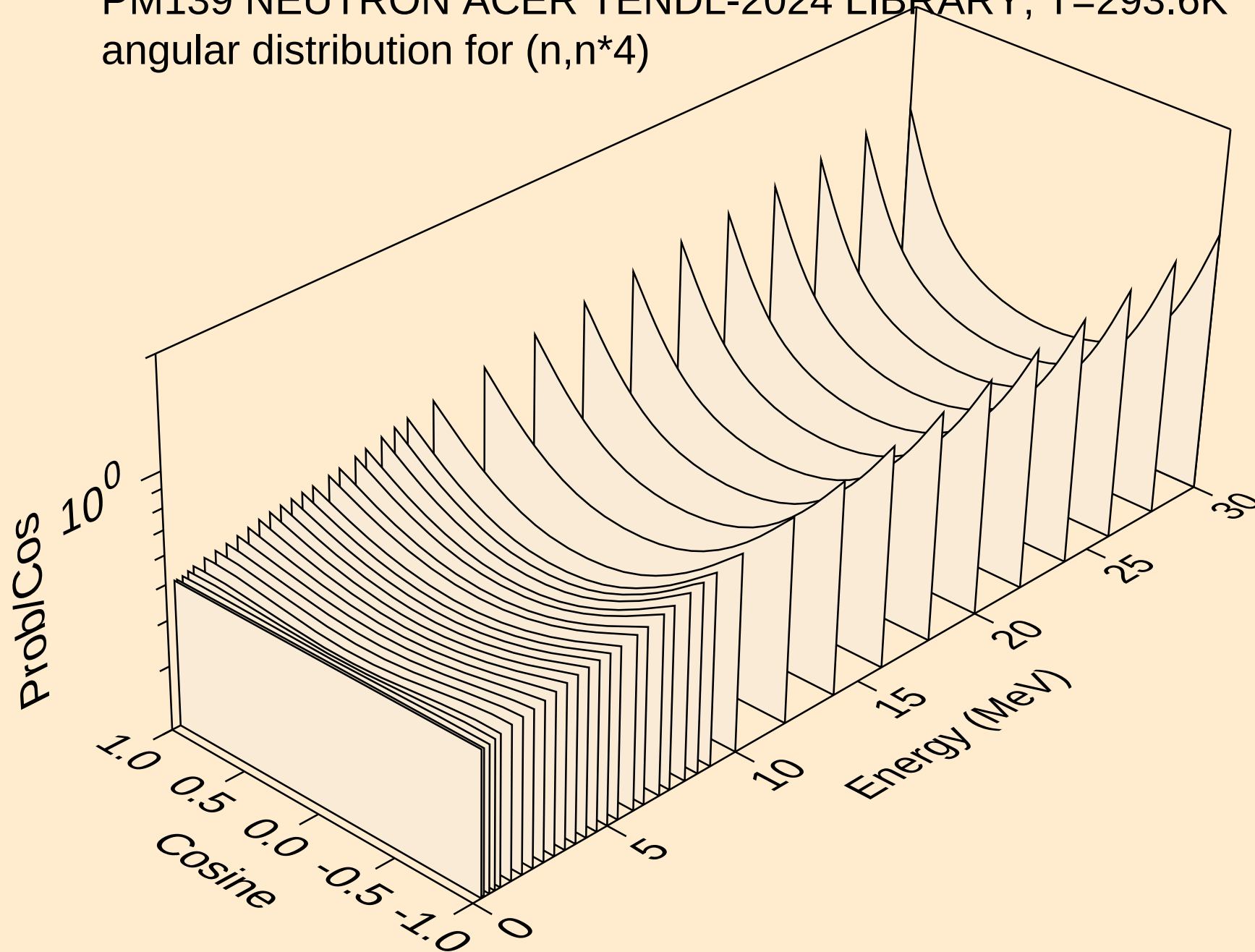
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



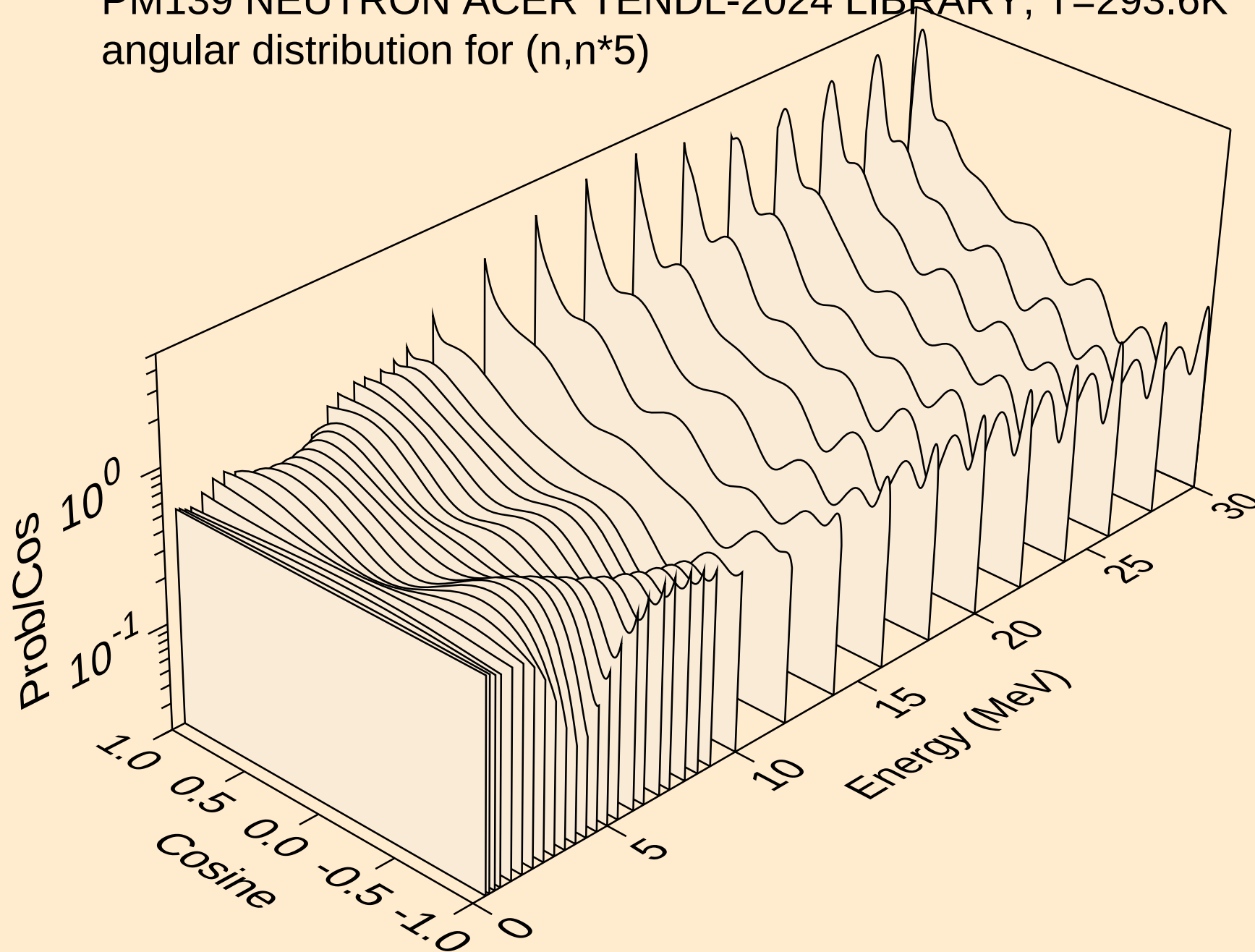
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)



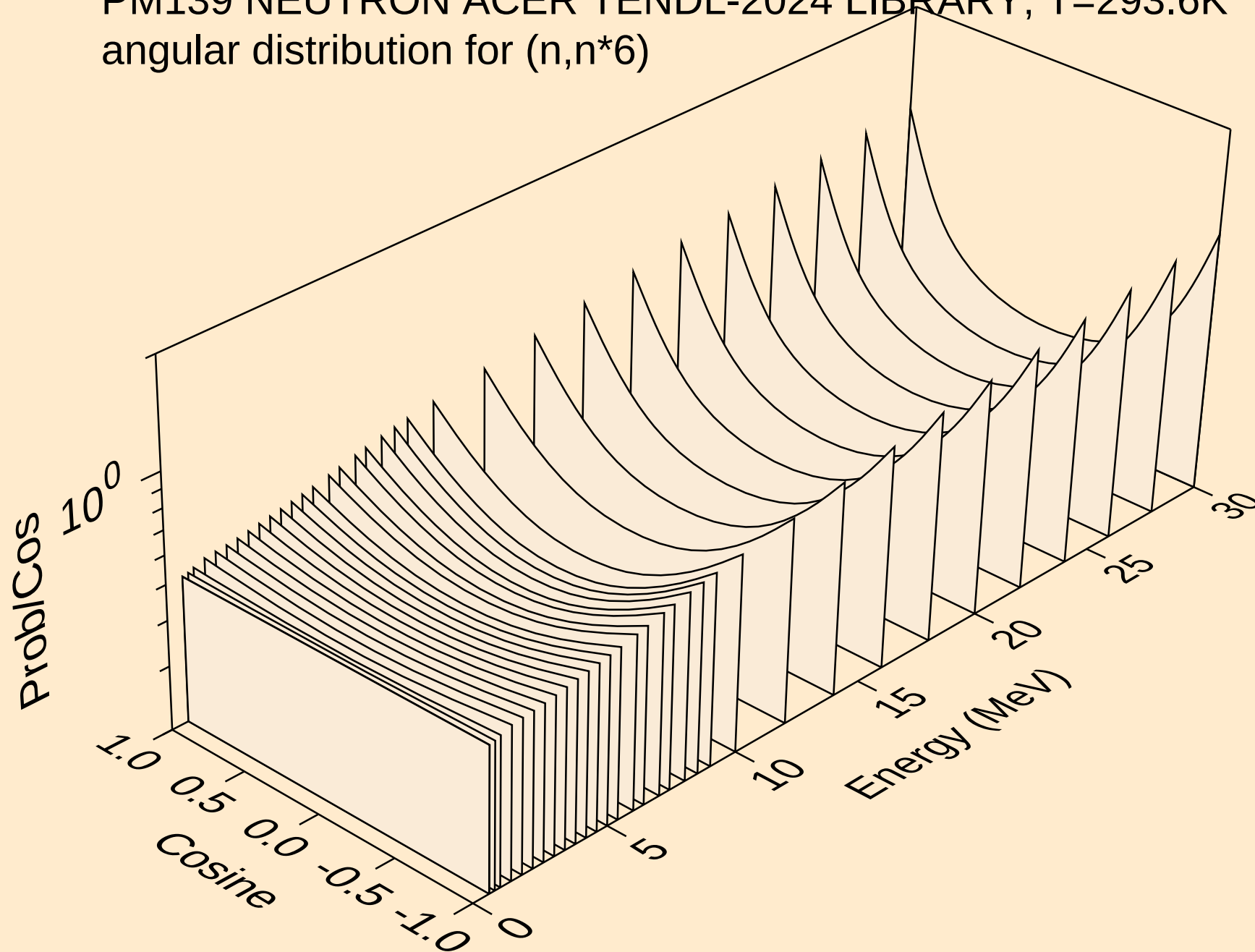
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*4)



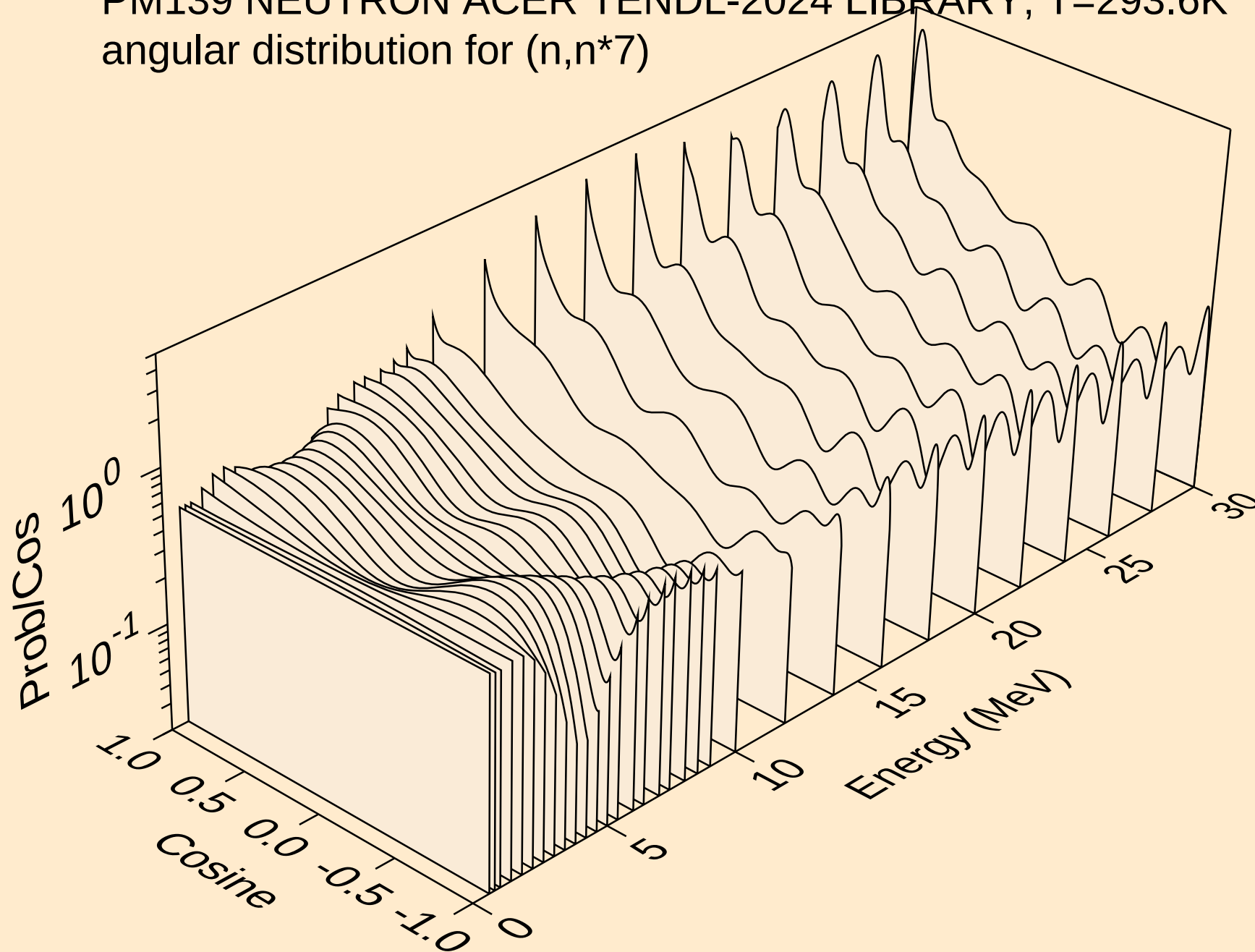
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)



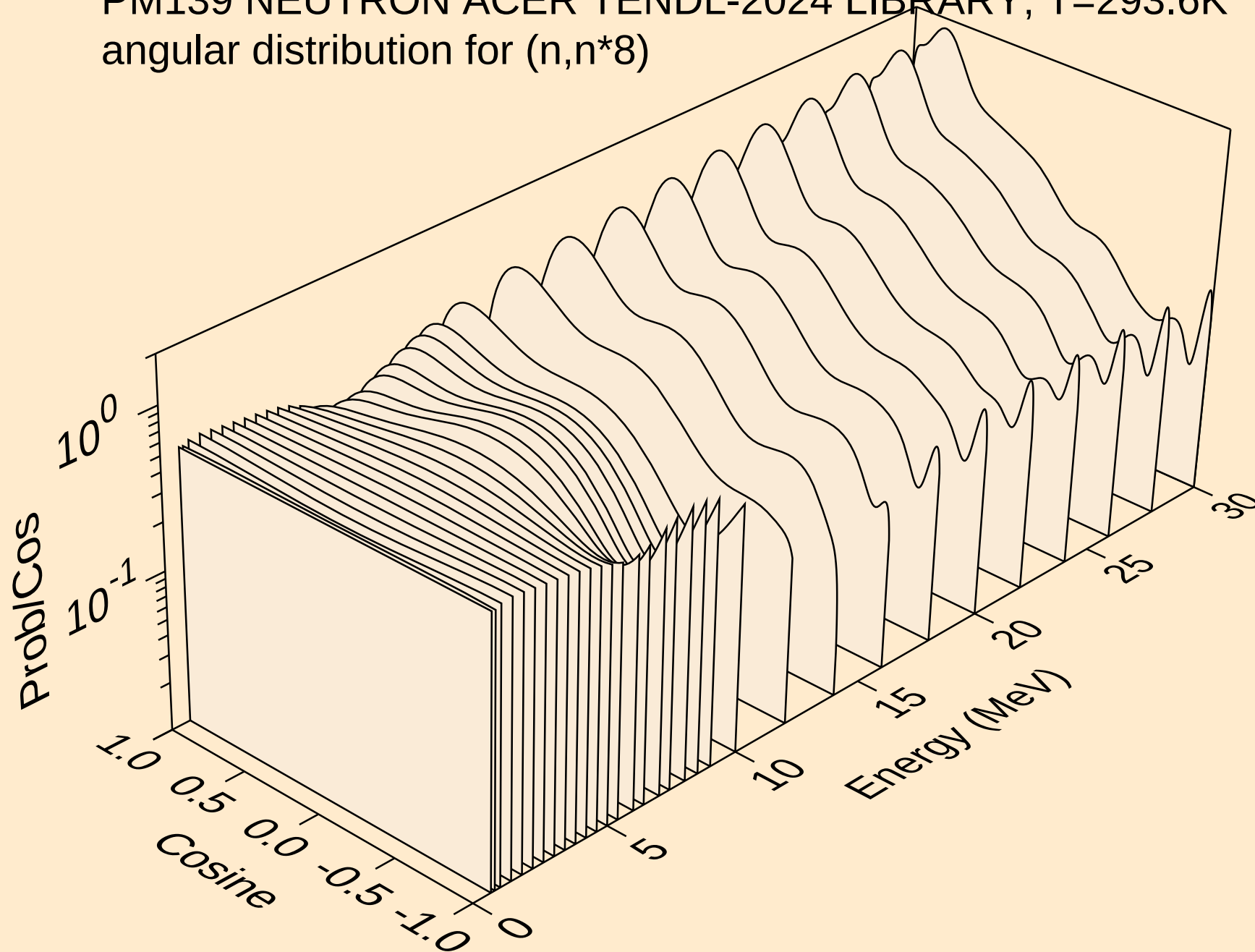
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)



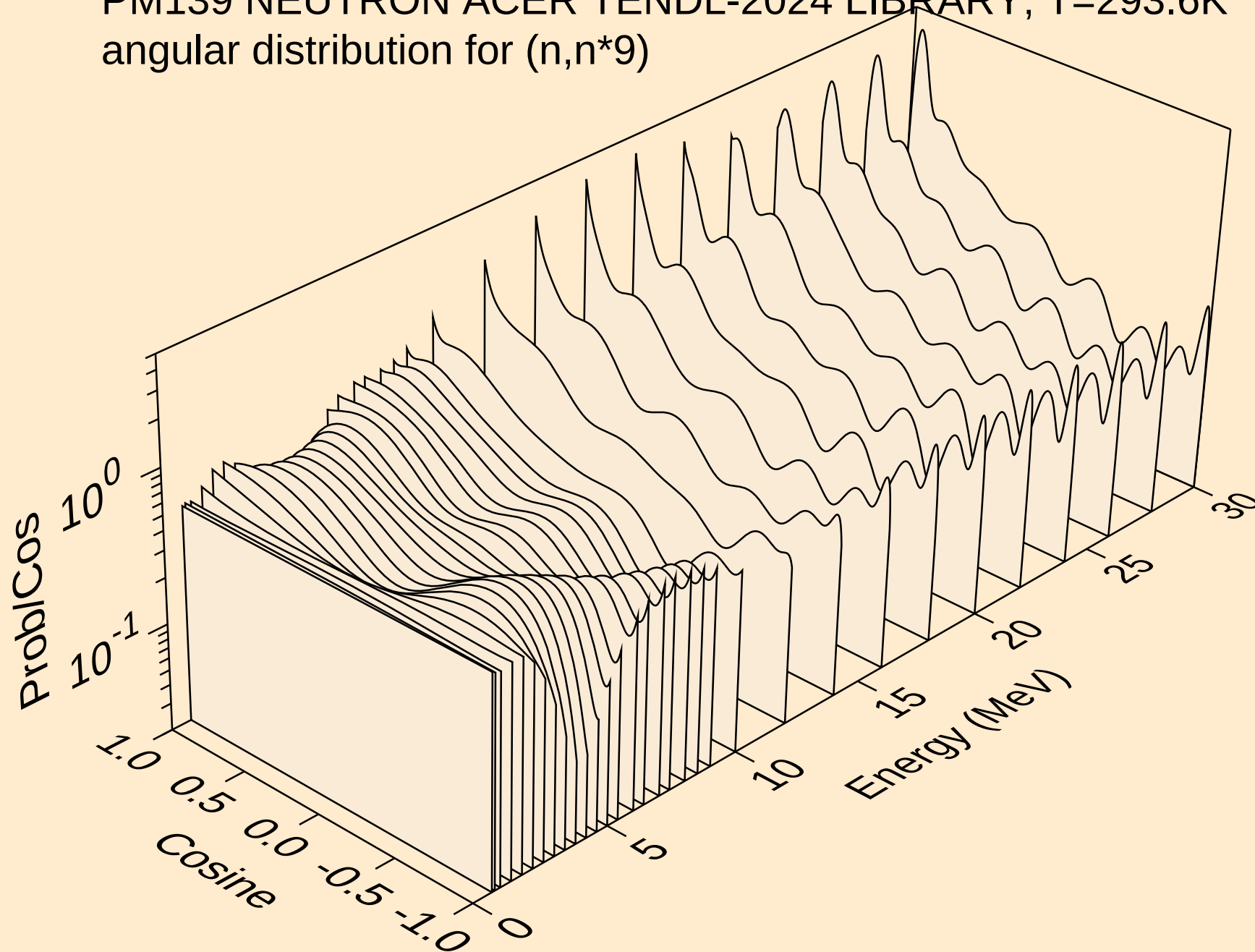
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)



PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)

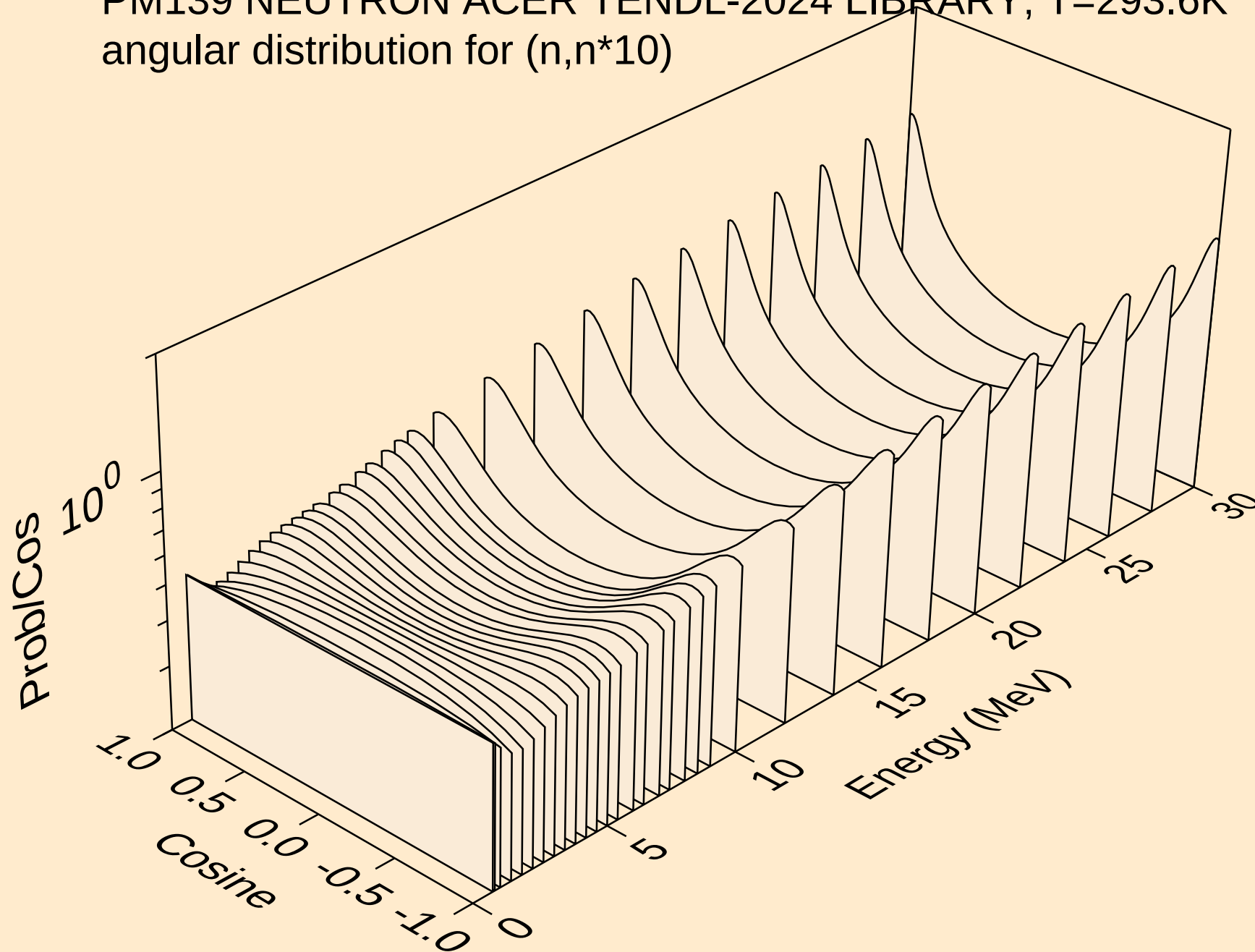


PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)

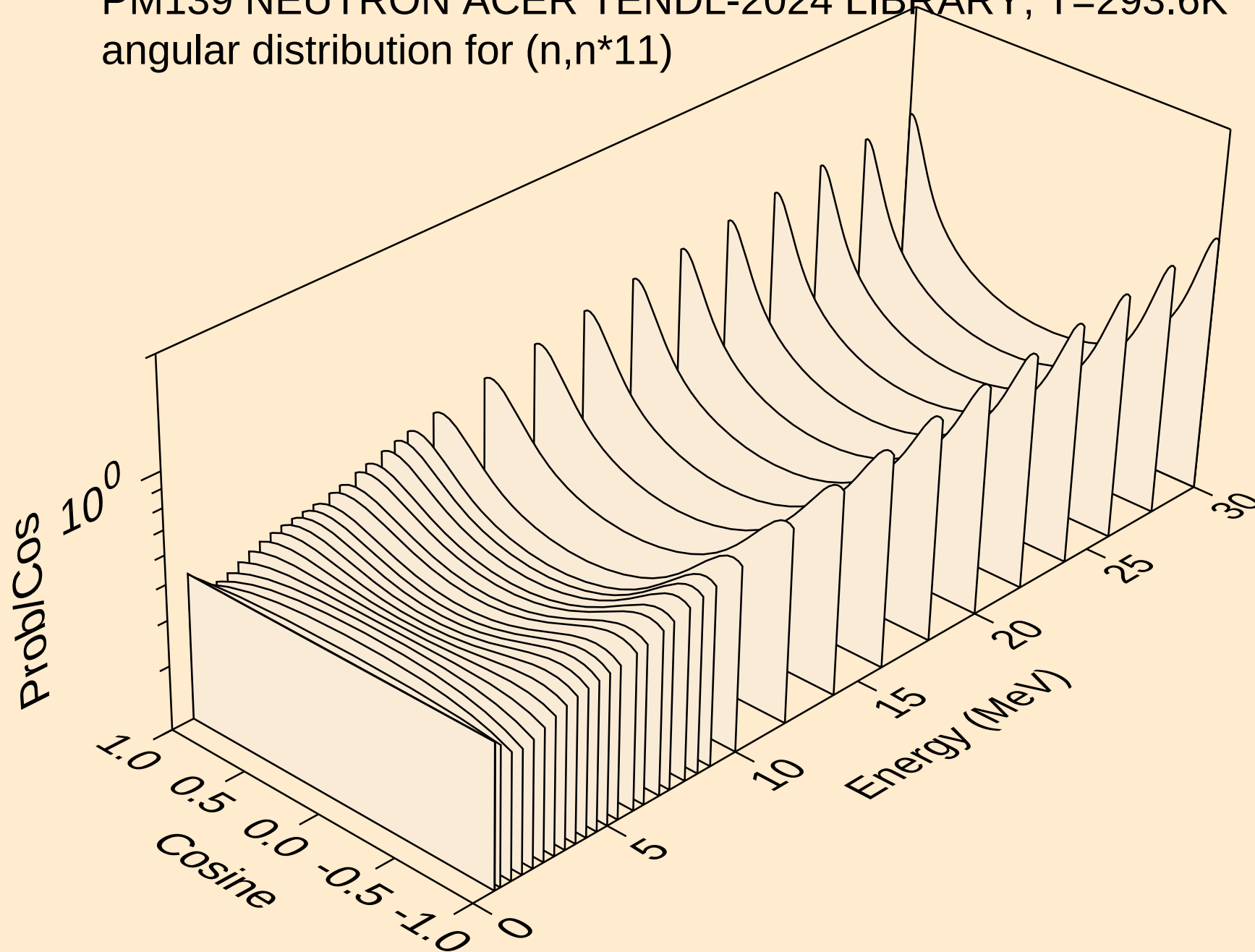




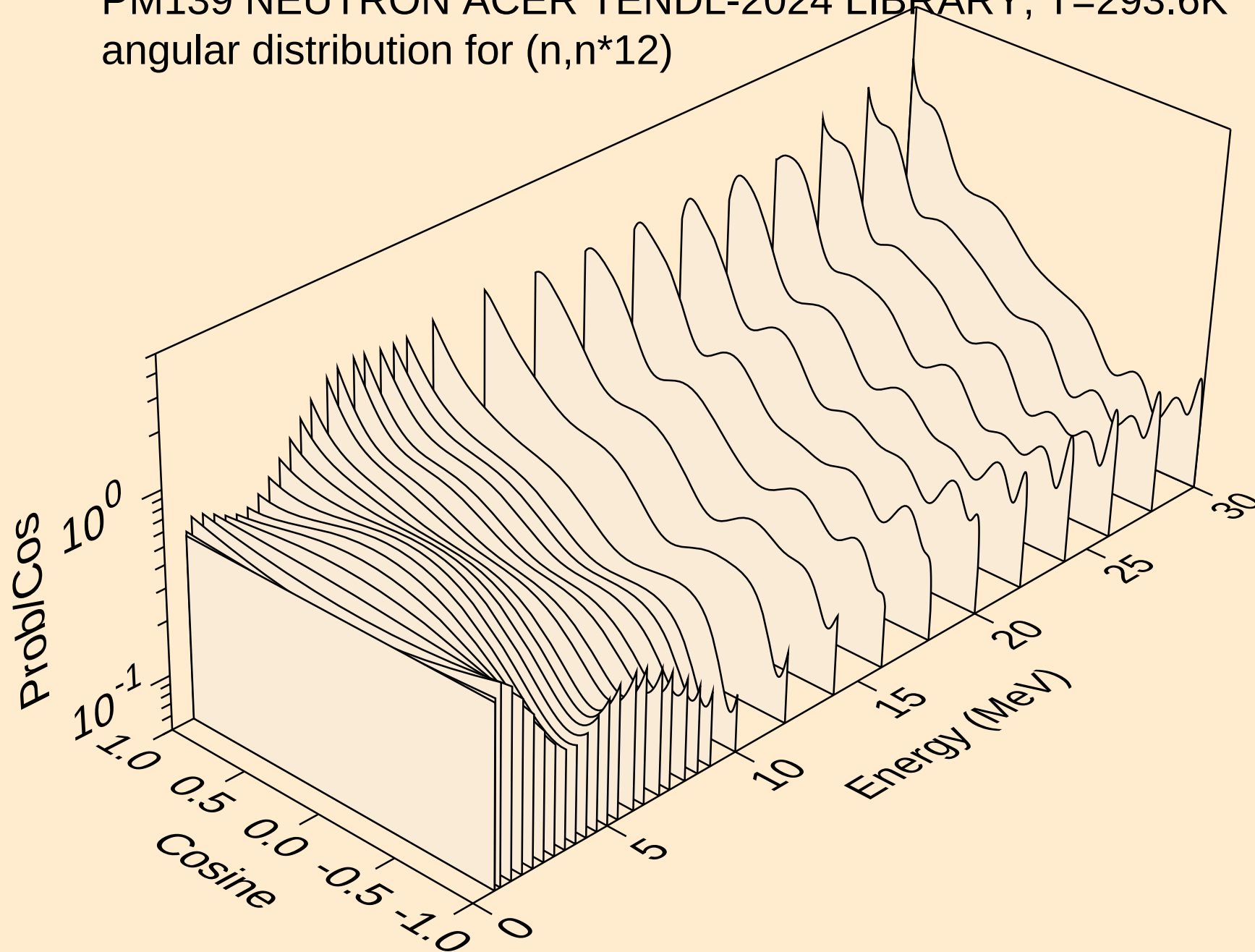
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*10)



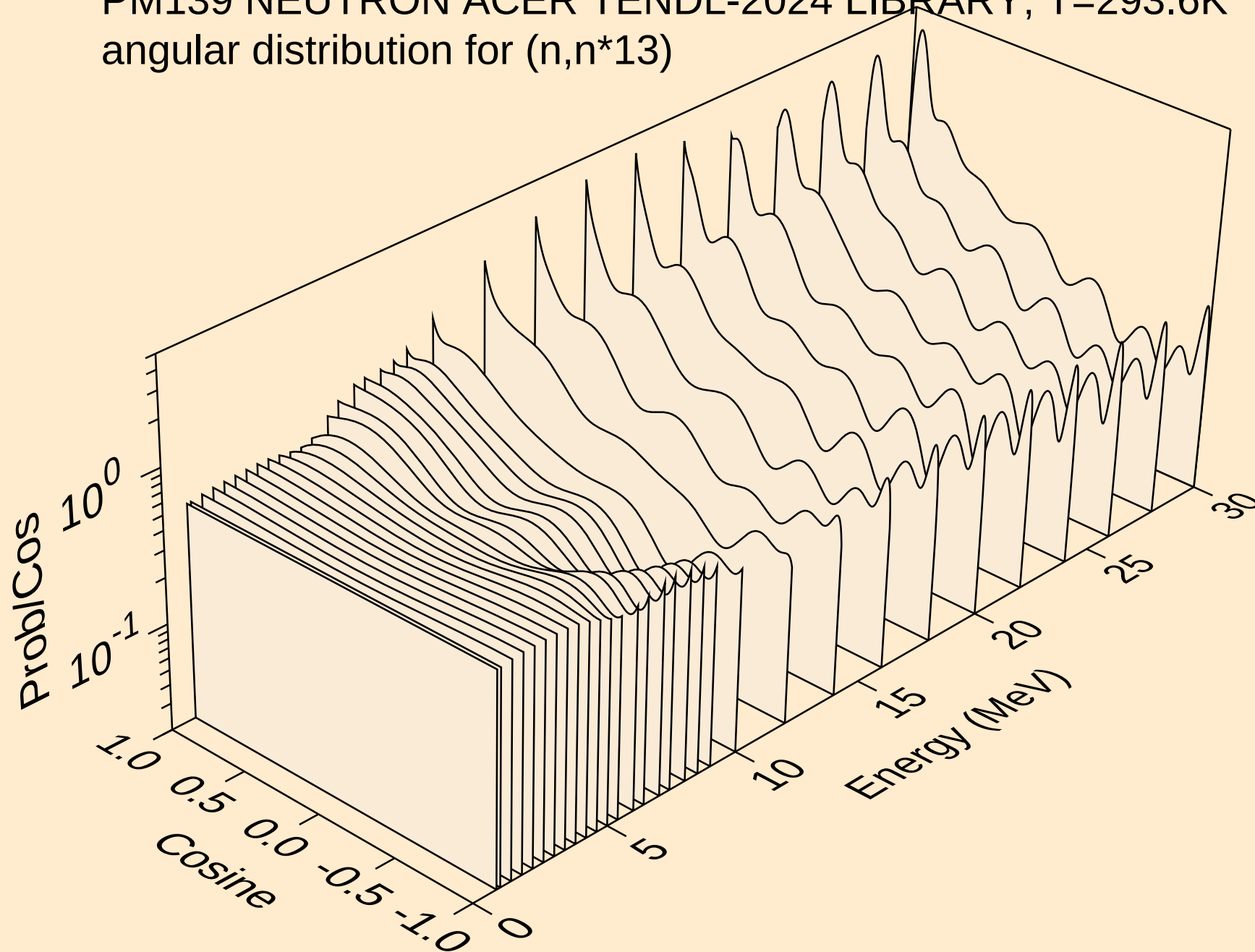
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*11)



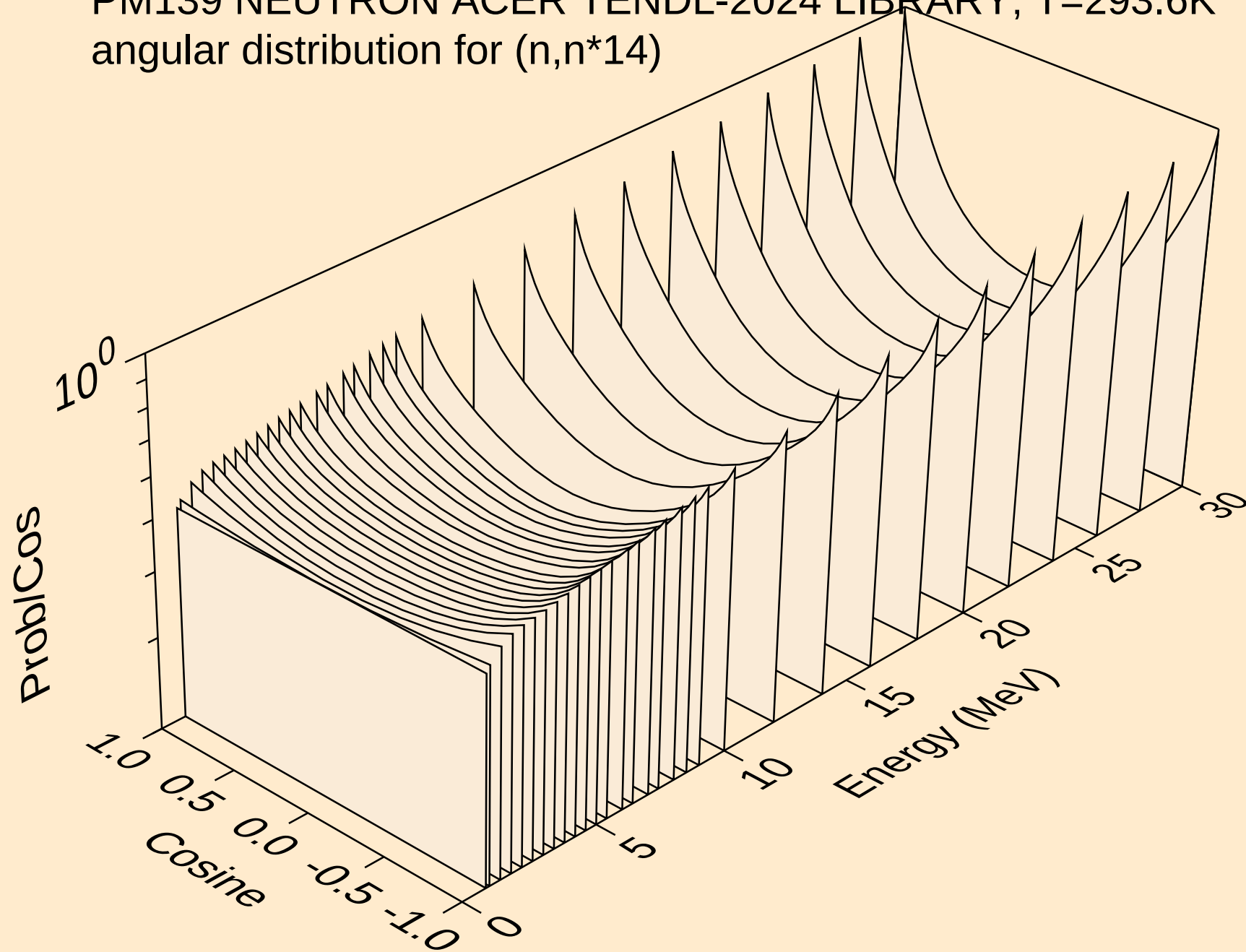
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*12)



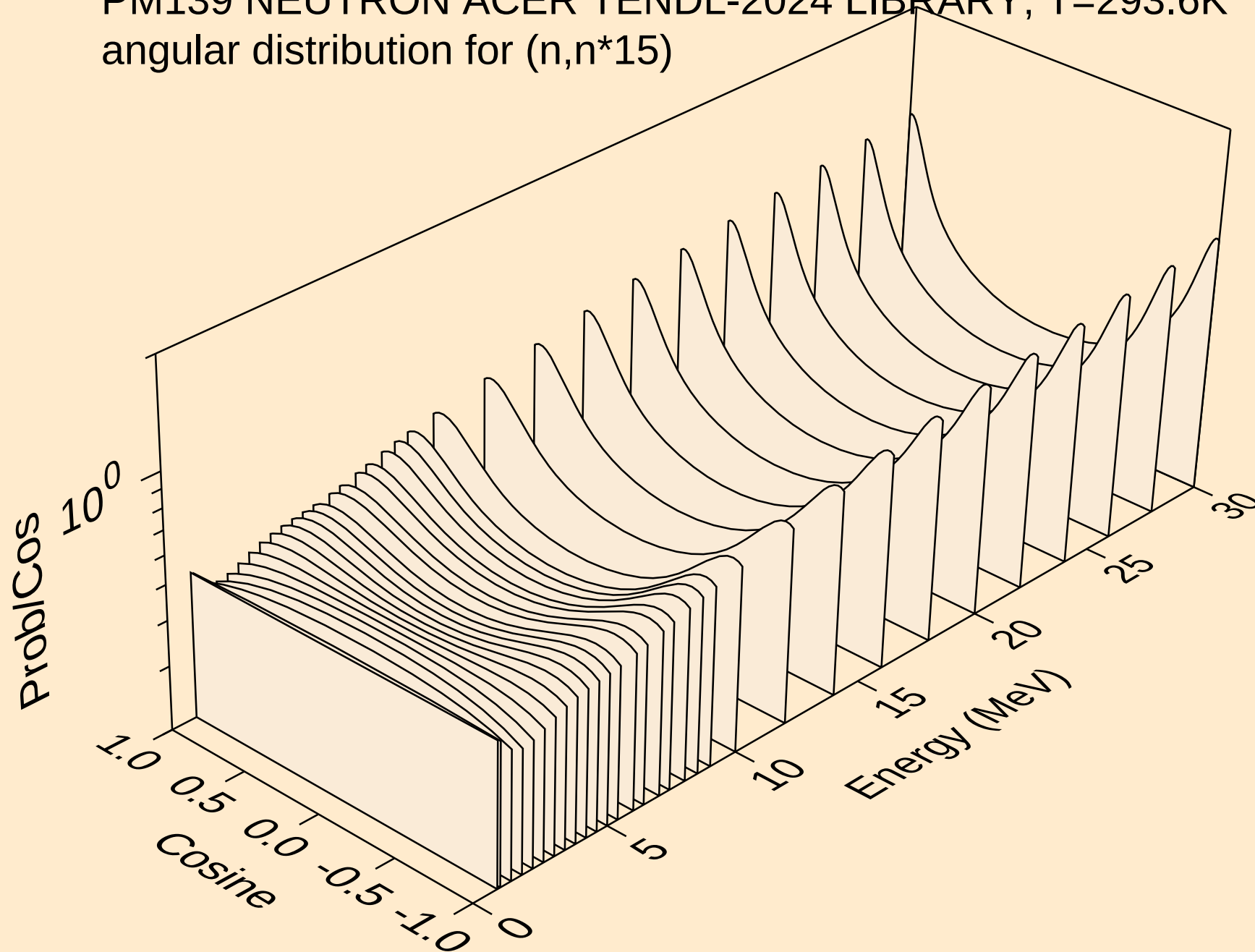
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*13)



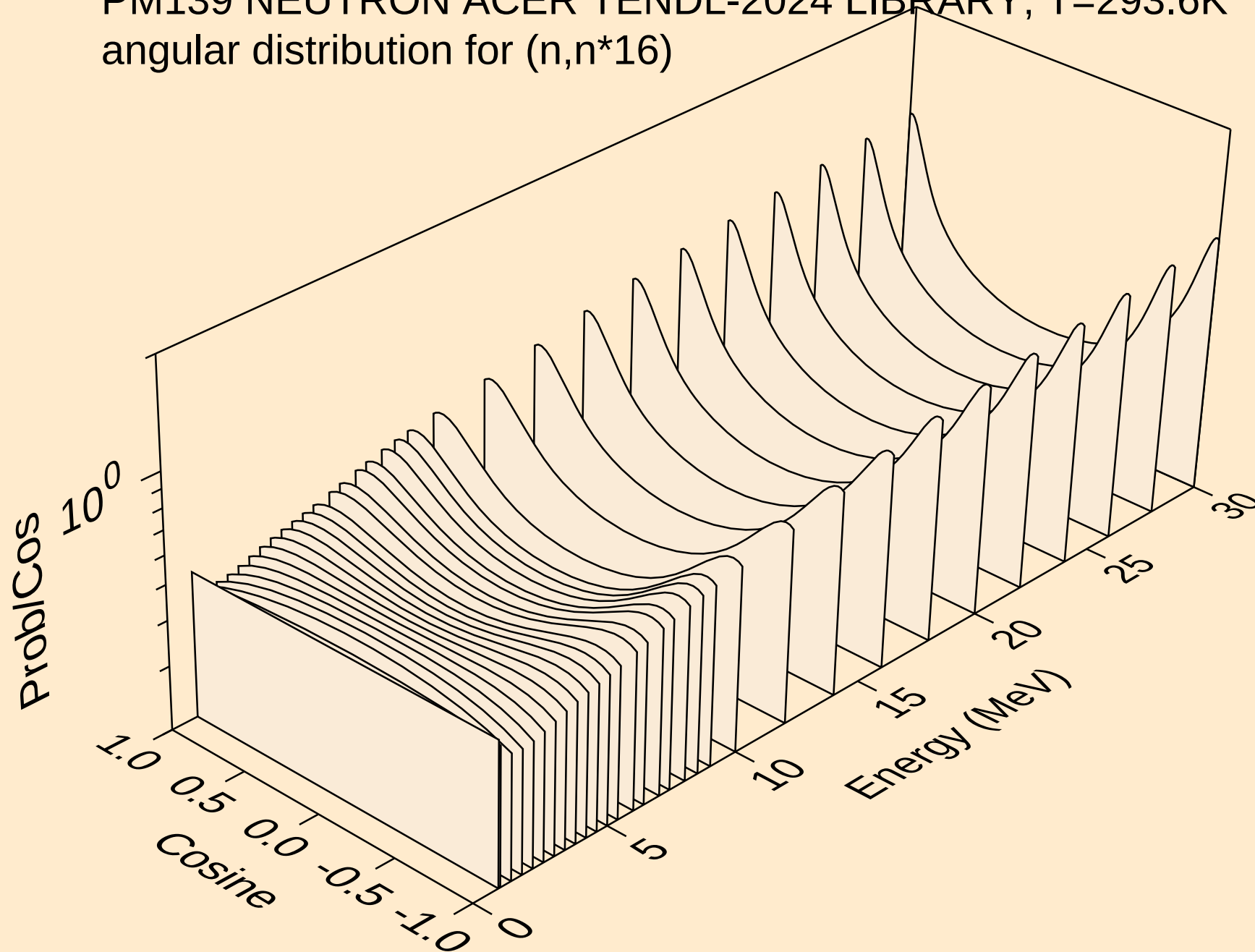
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*14)



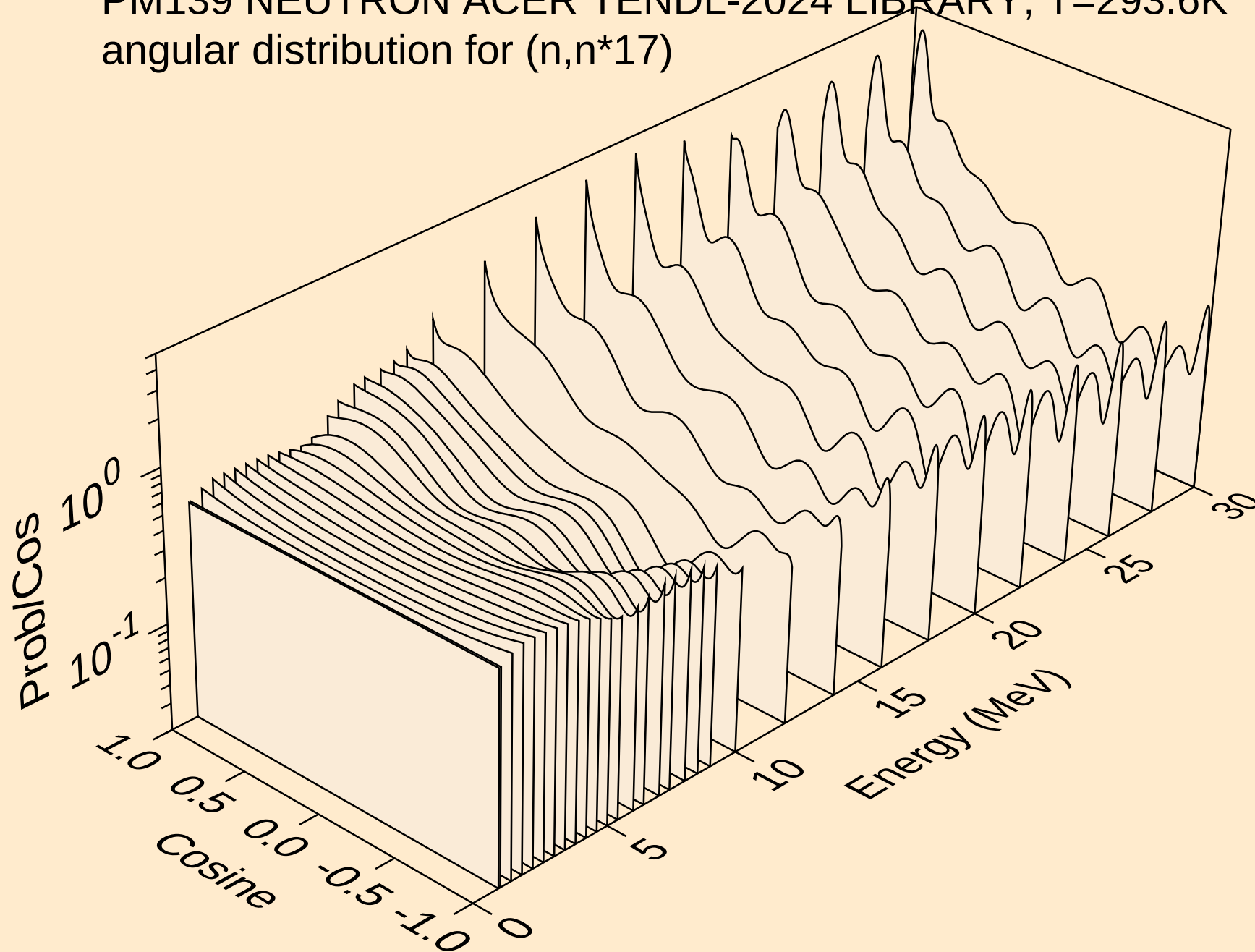
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*15)



PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*16)

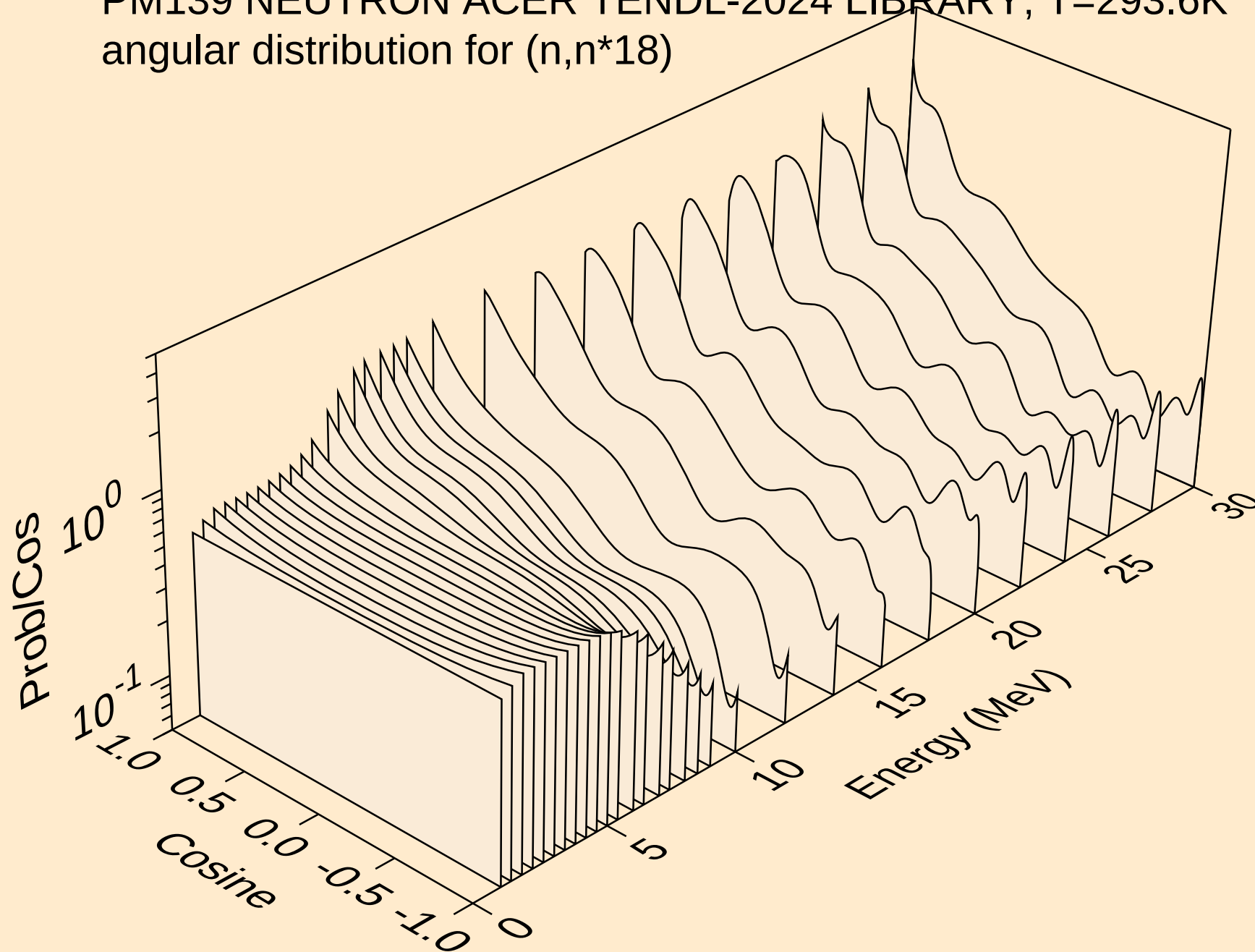


PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*17)

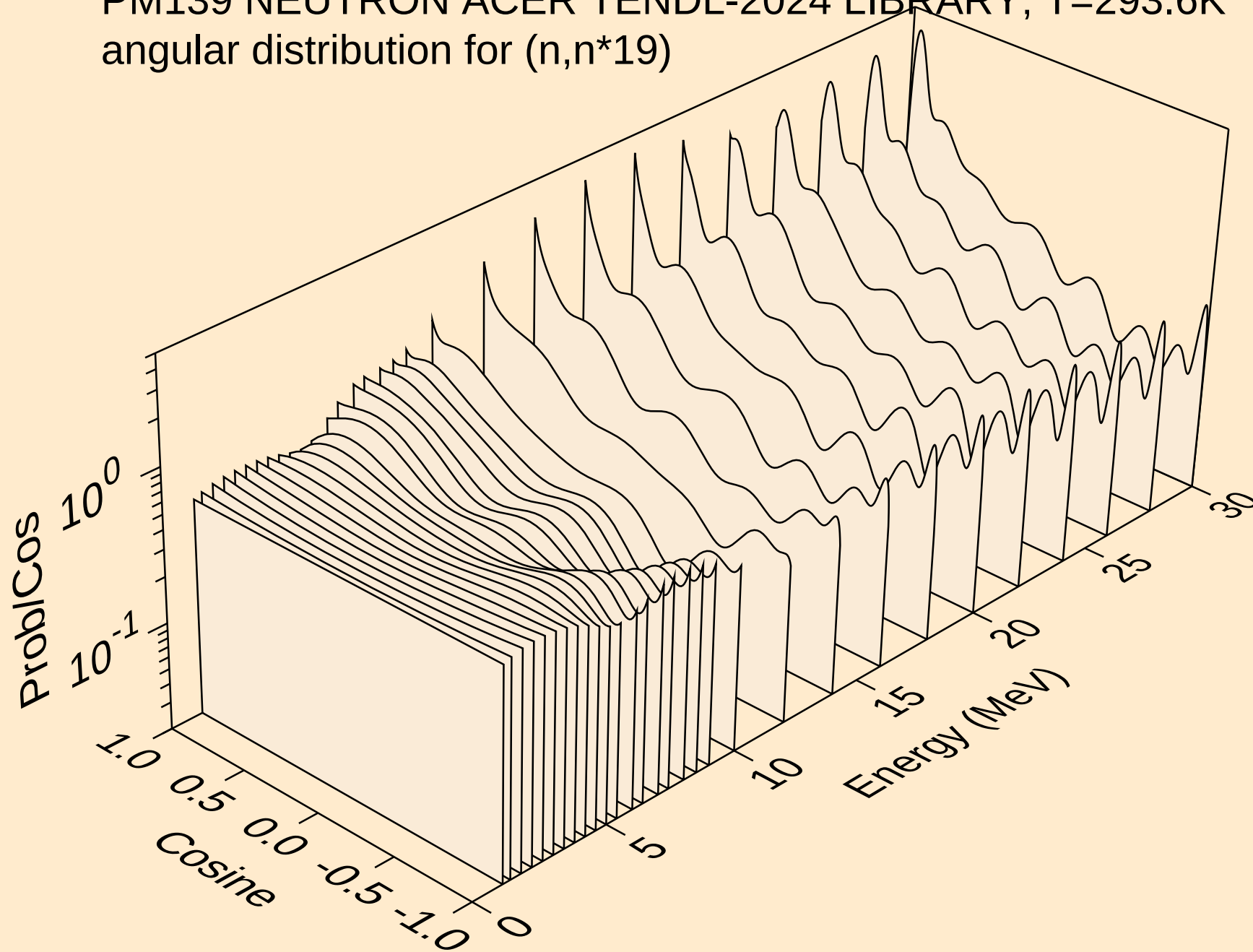




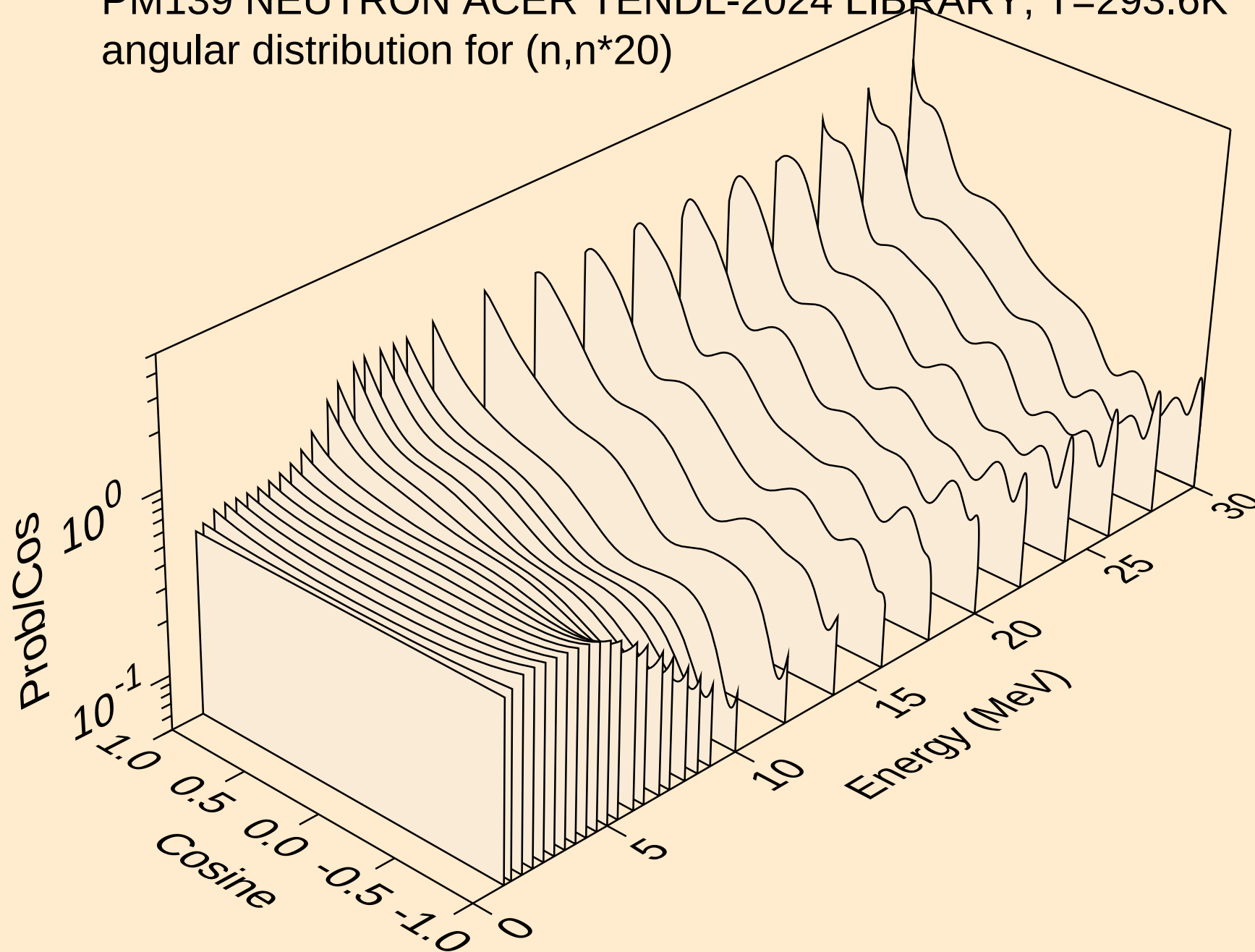
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*18)



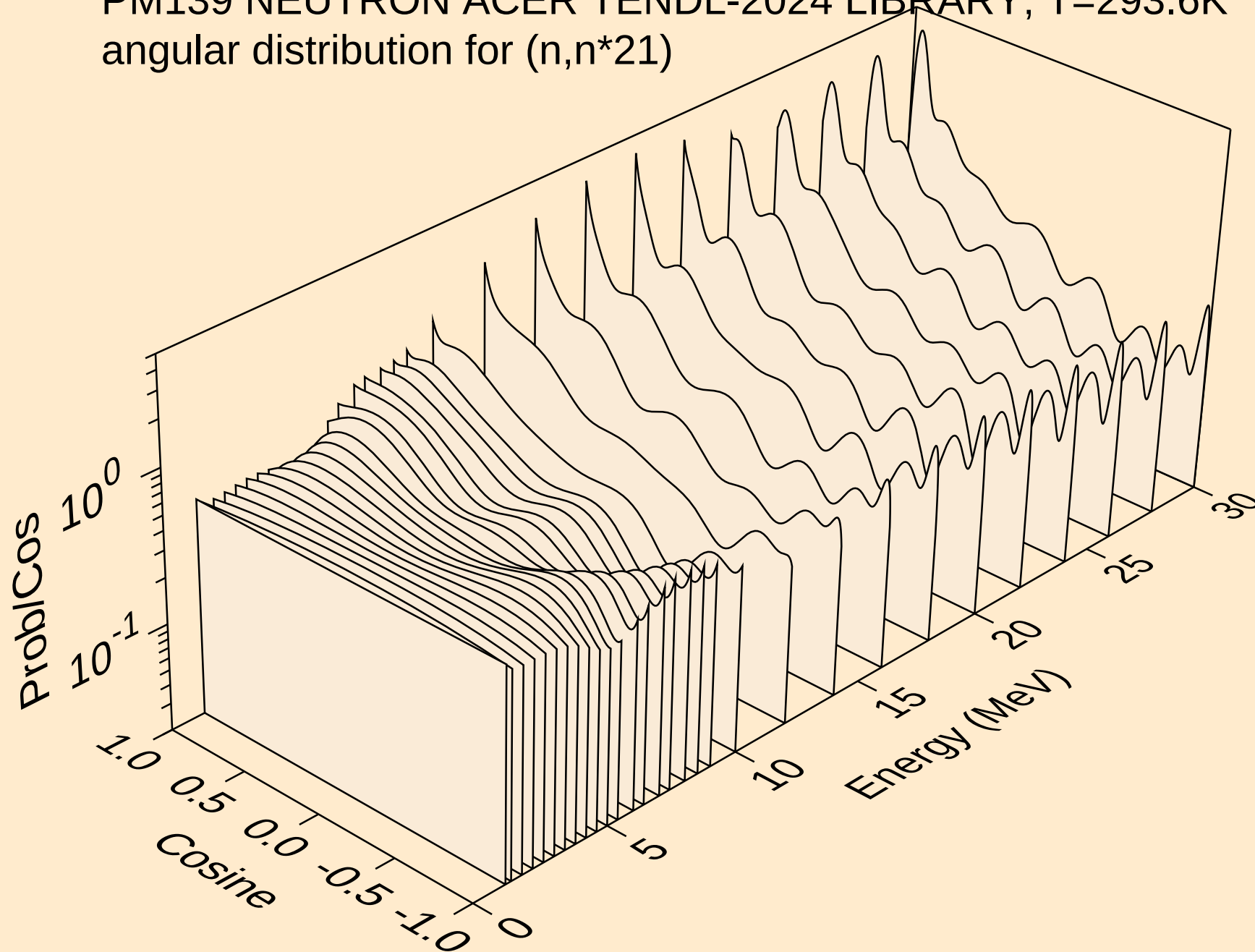
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*19)



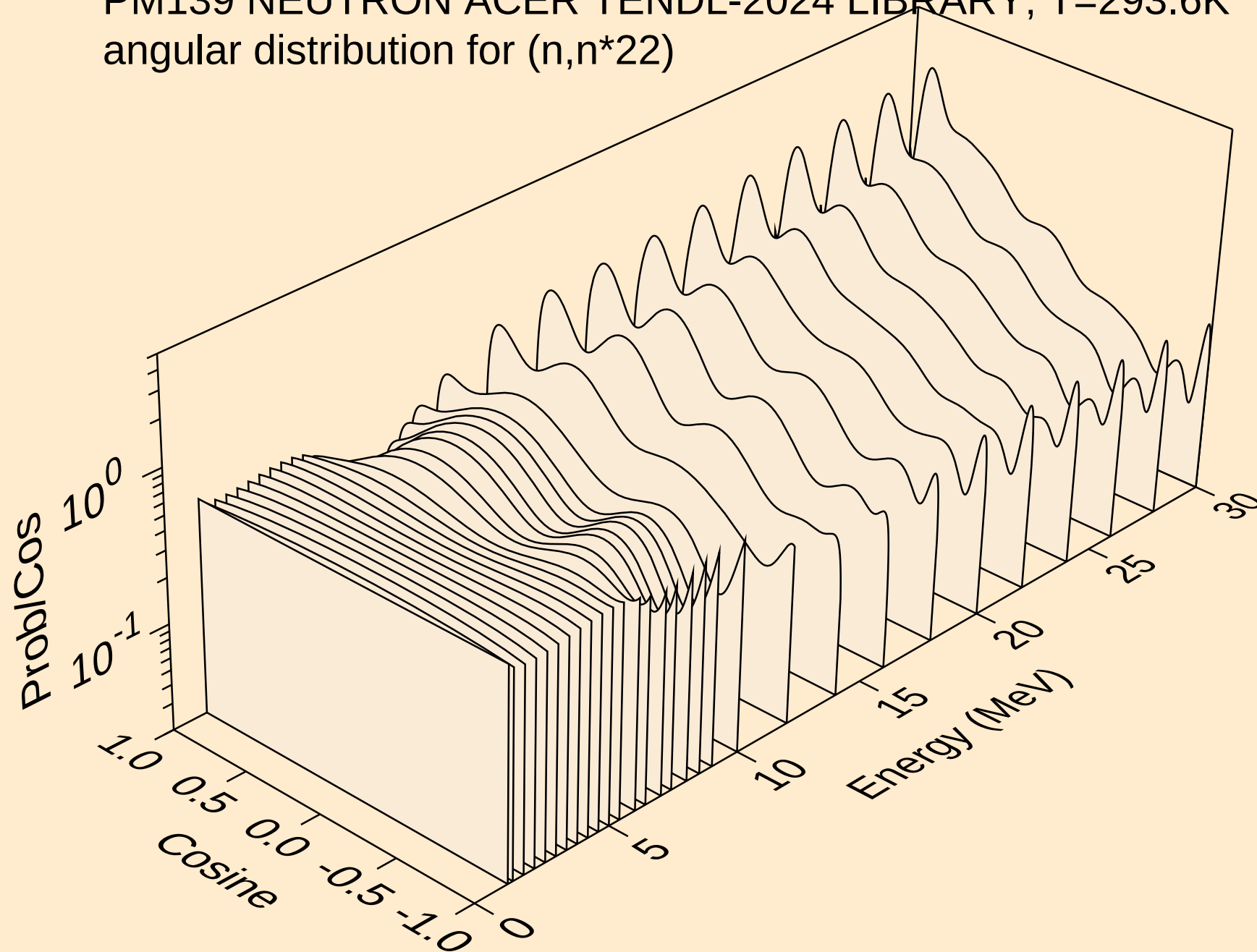
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*20)



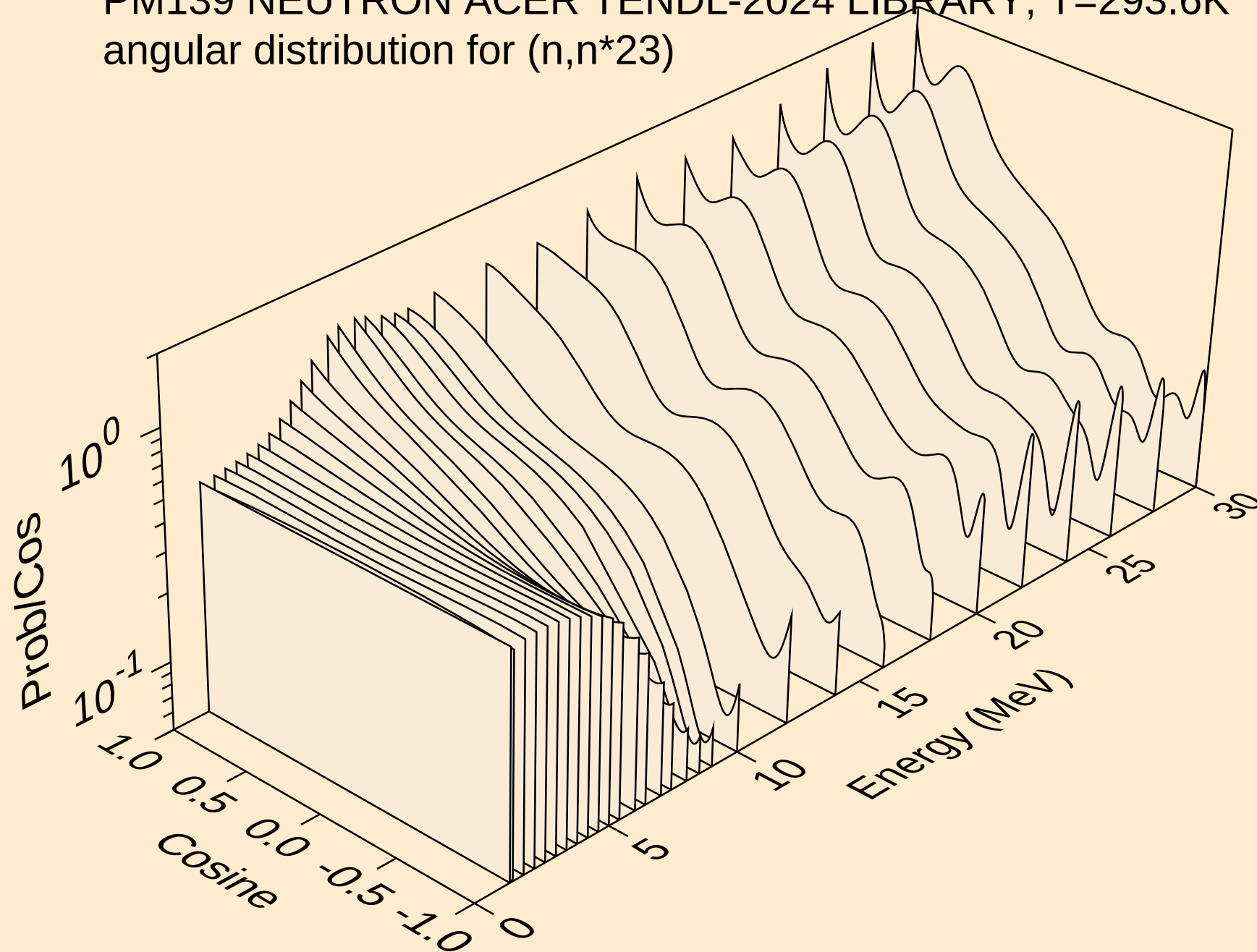
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*21)



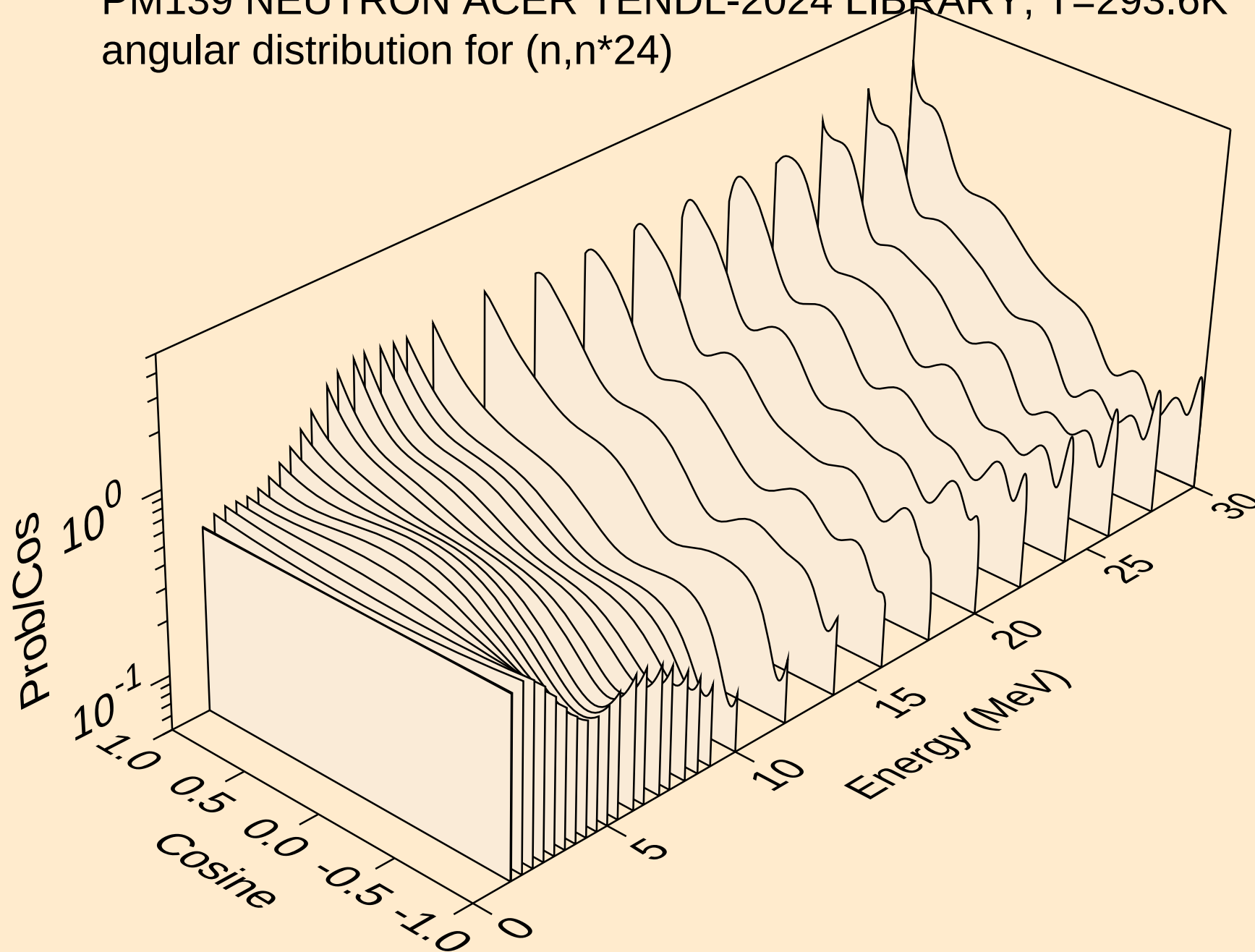
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*22)



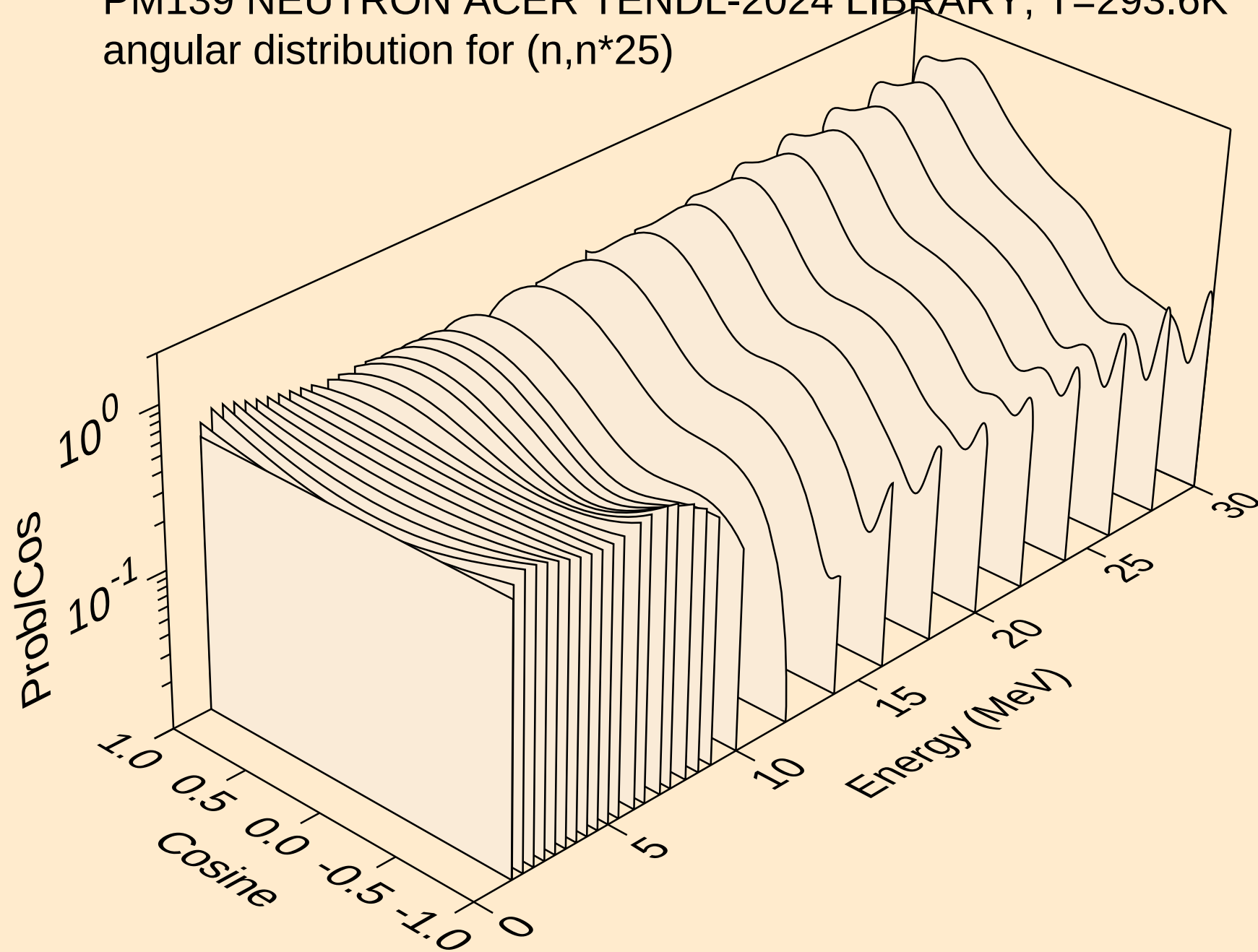
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*23)



PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*24)

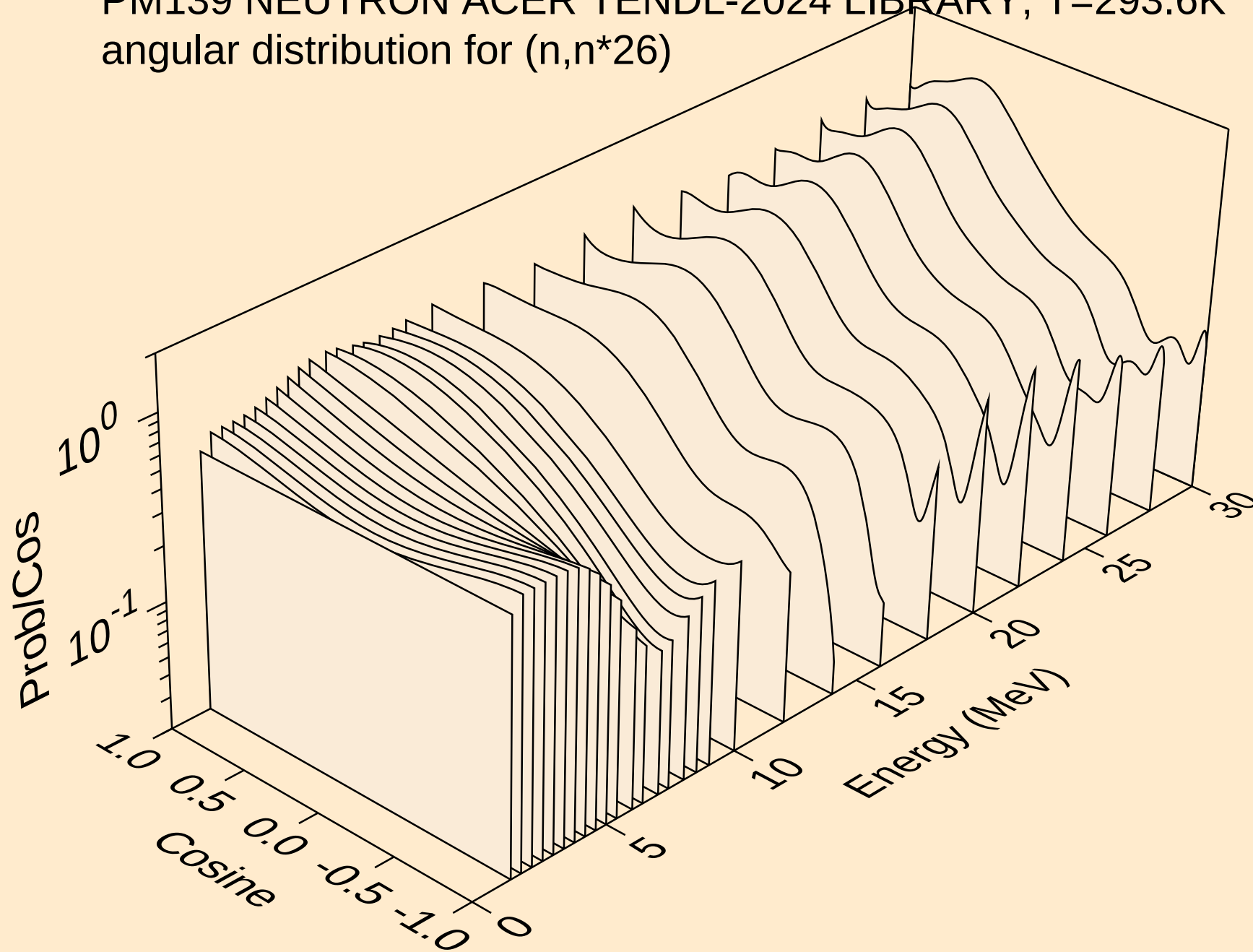


PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*25)

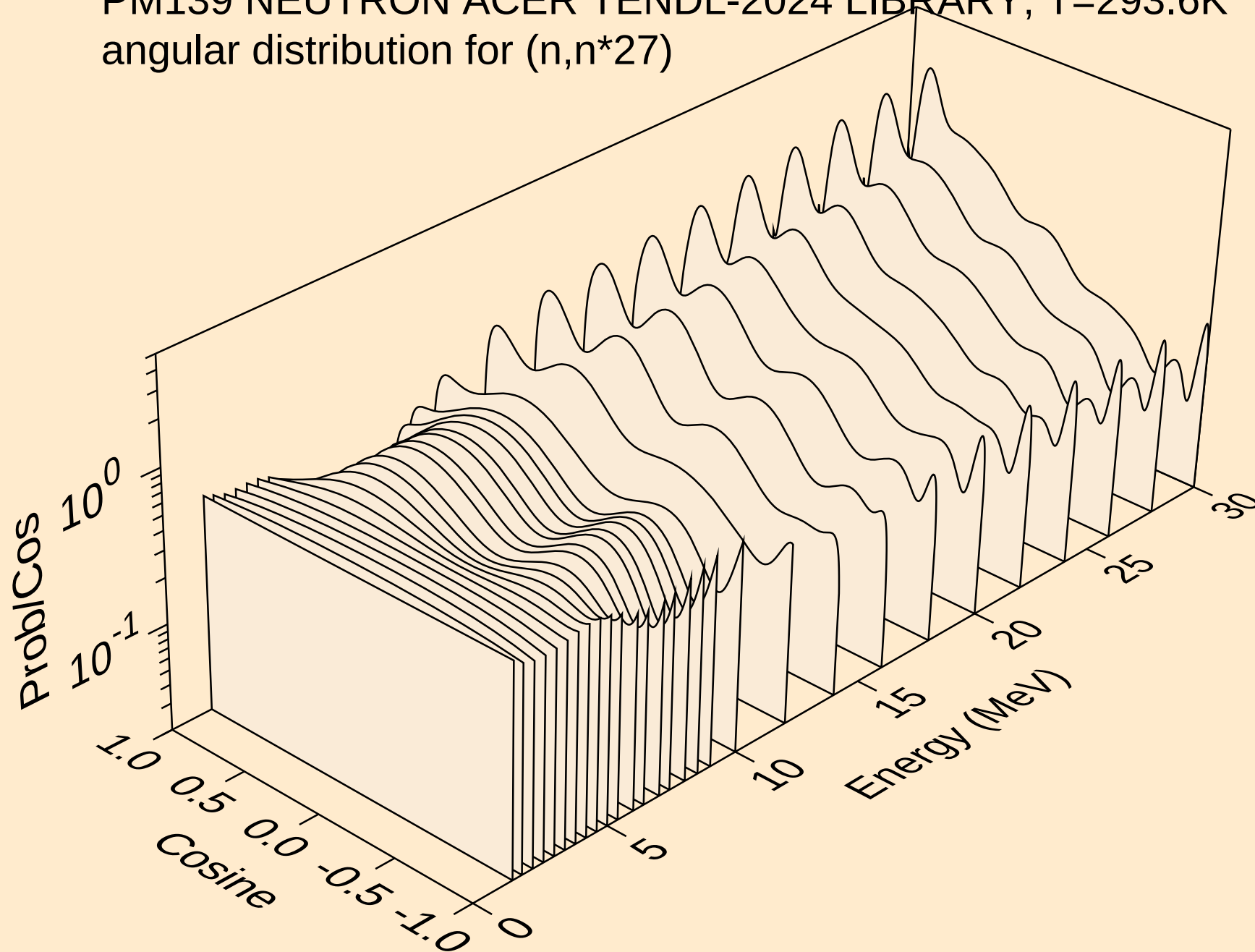




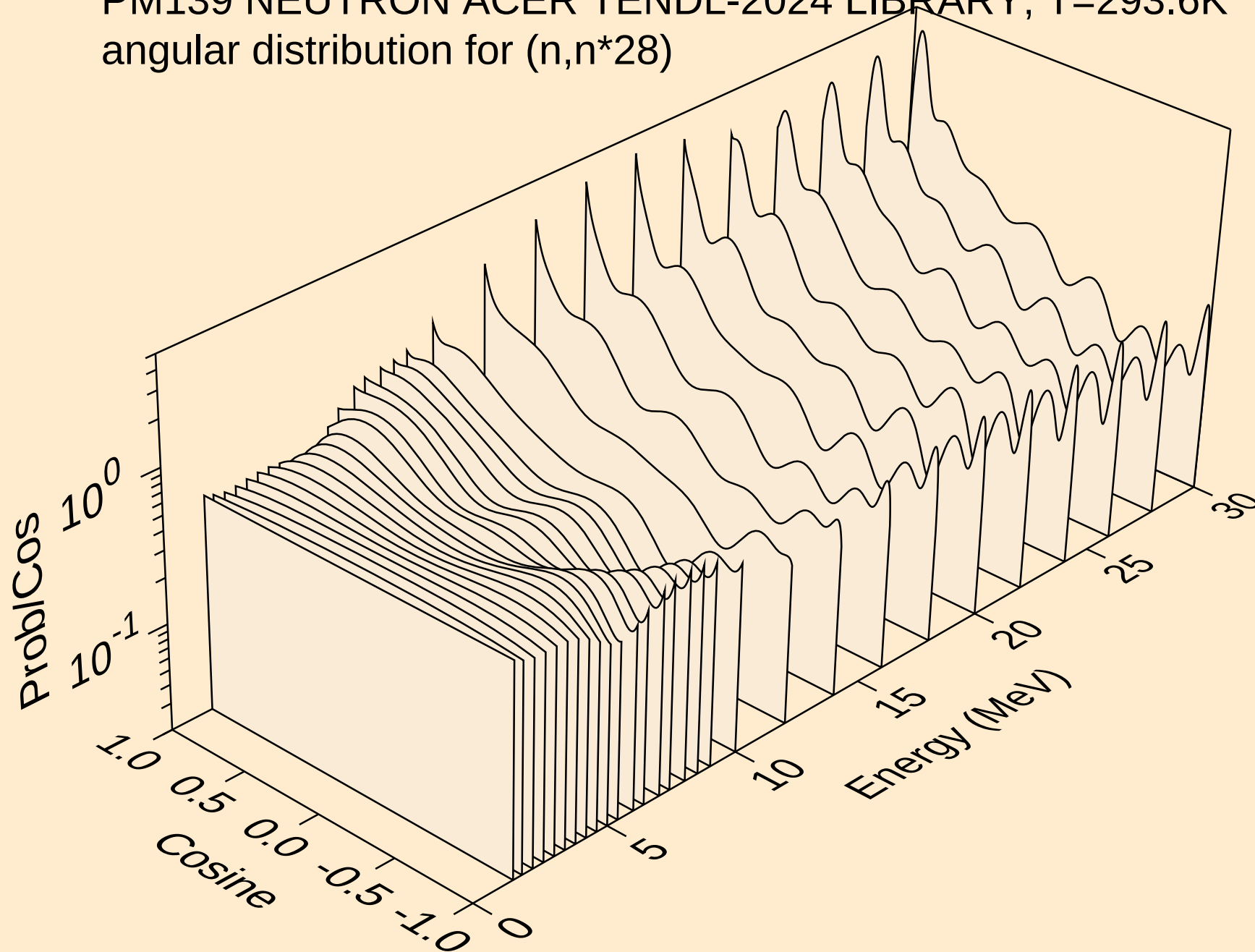
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*26)



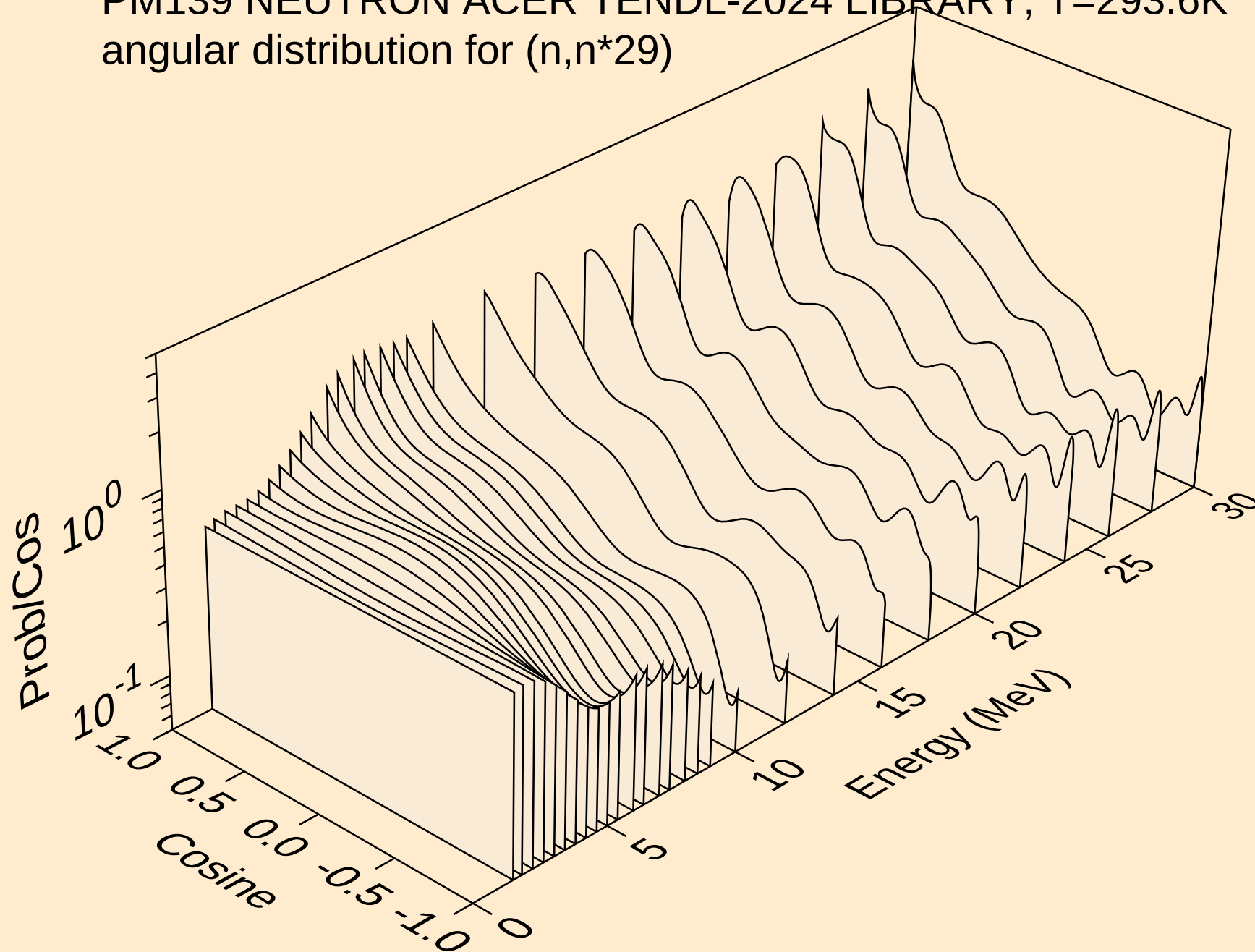
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*27)



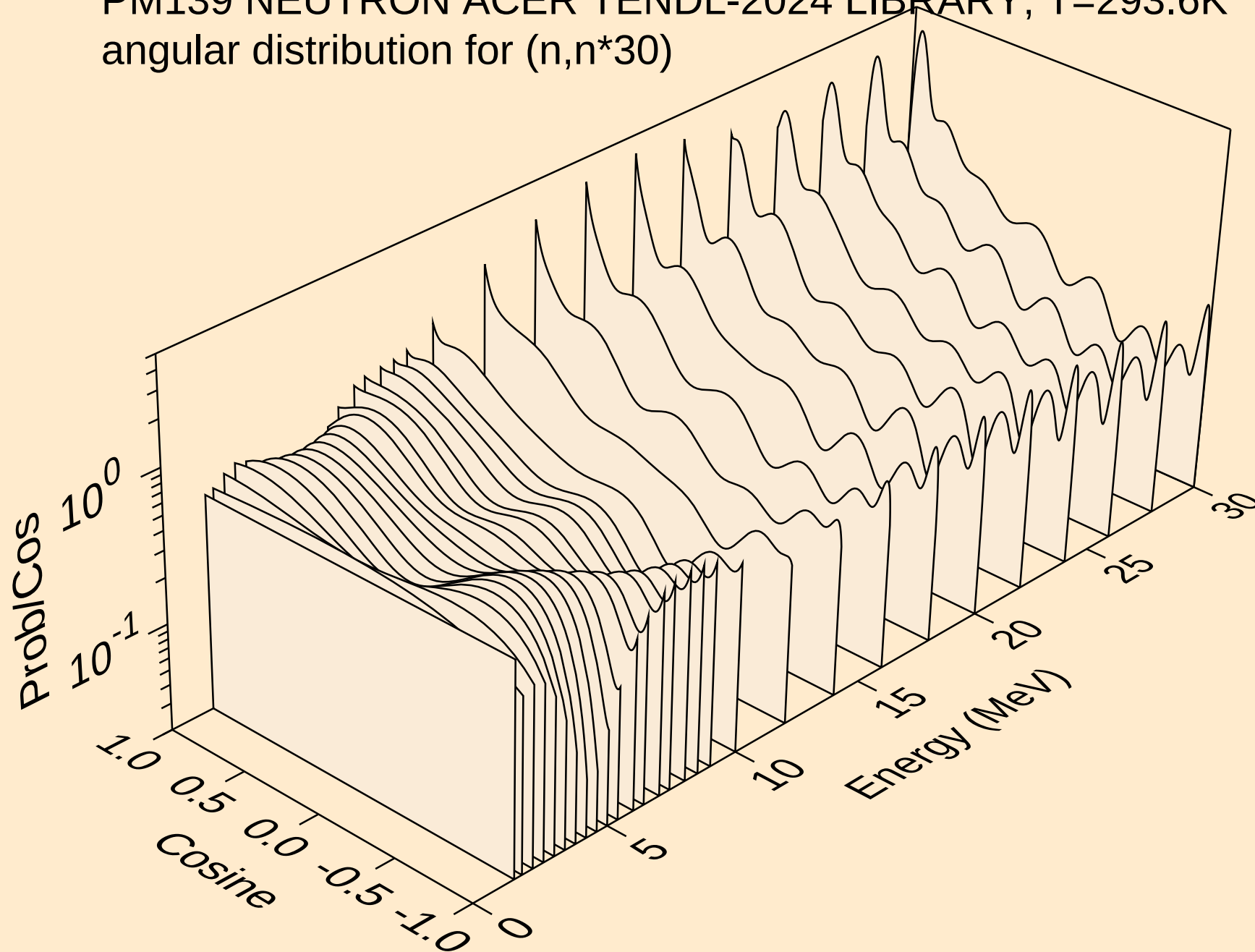
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*28)



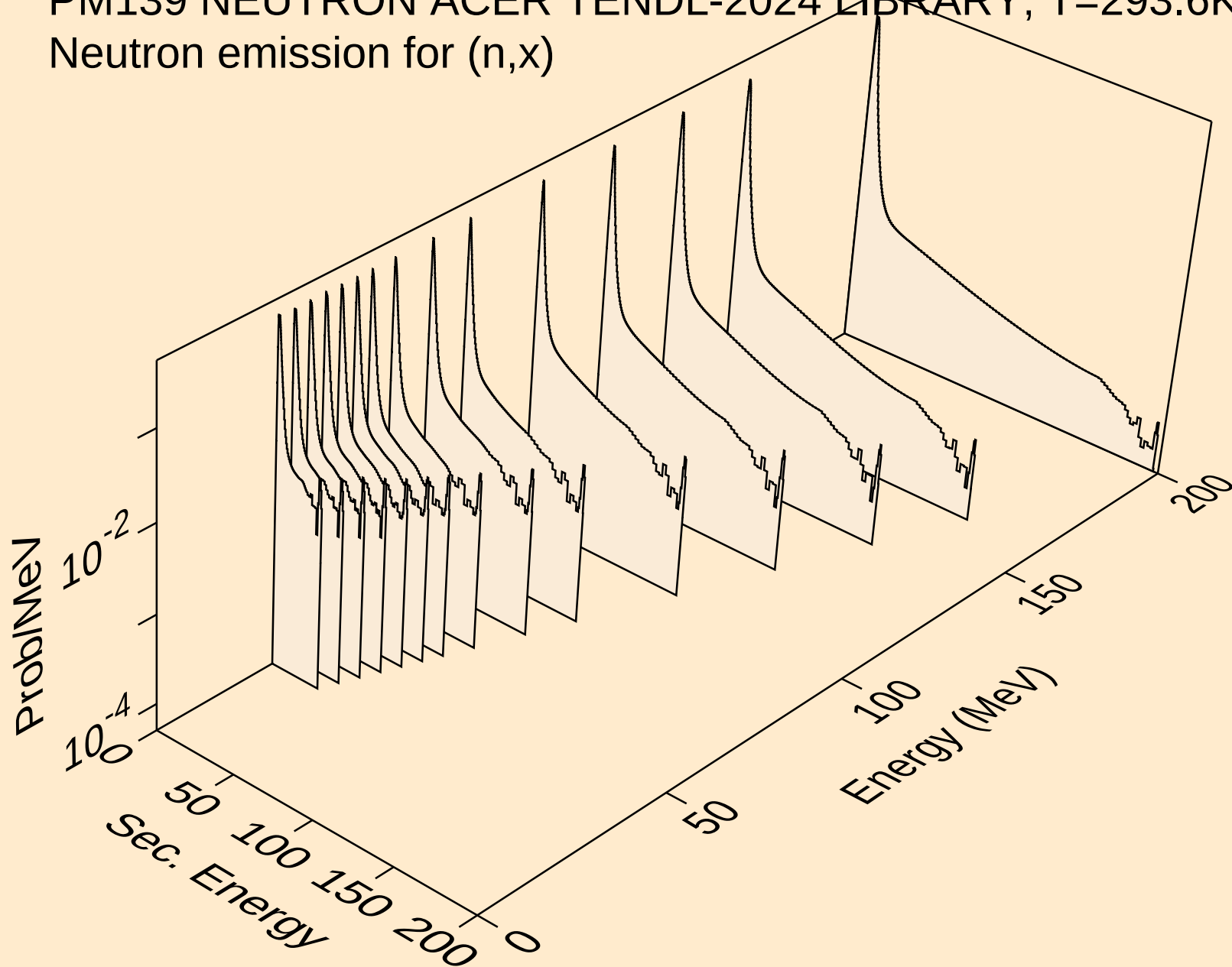
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*29)



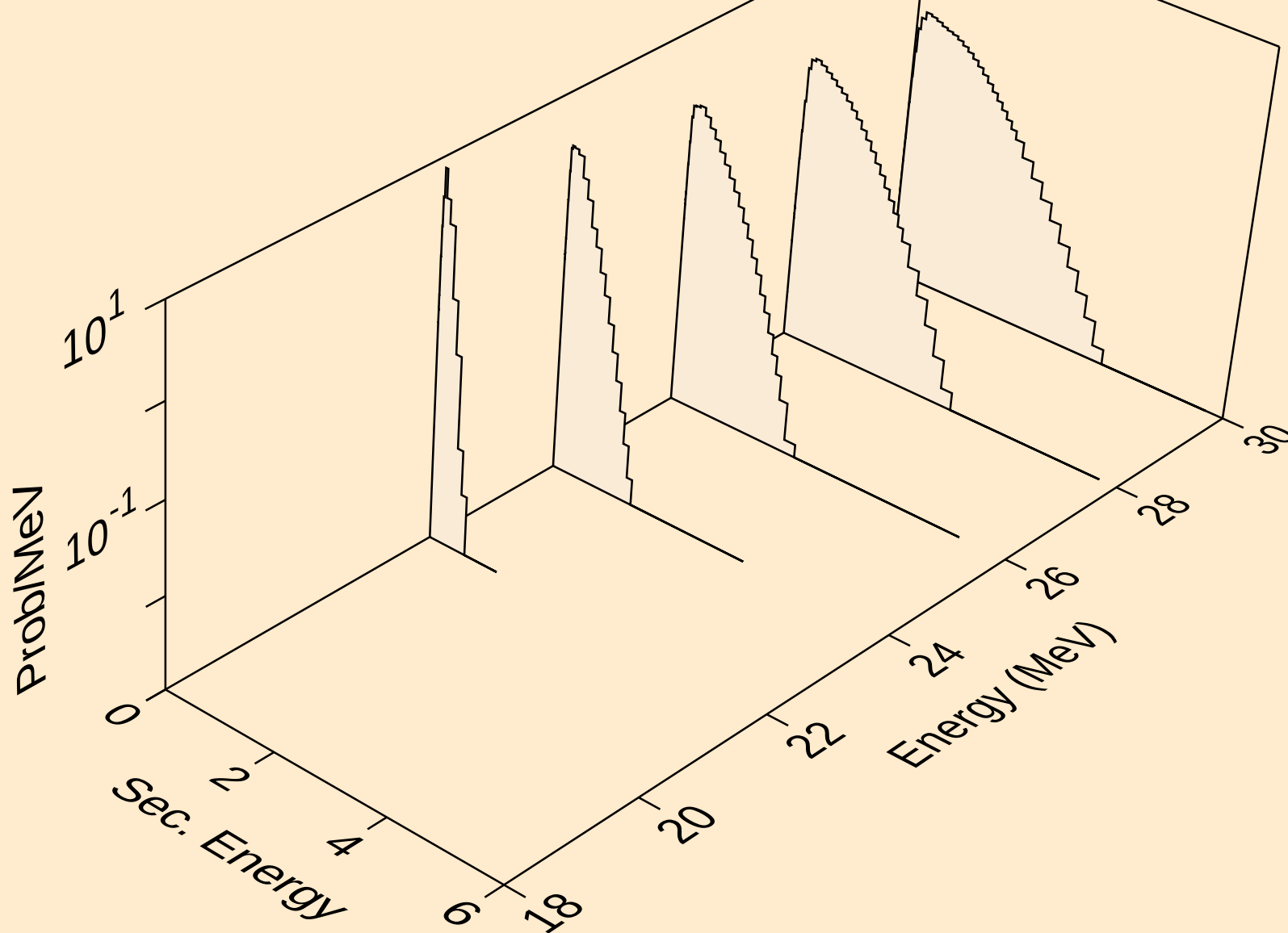
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*30)



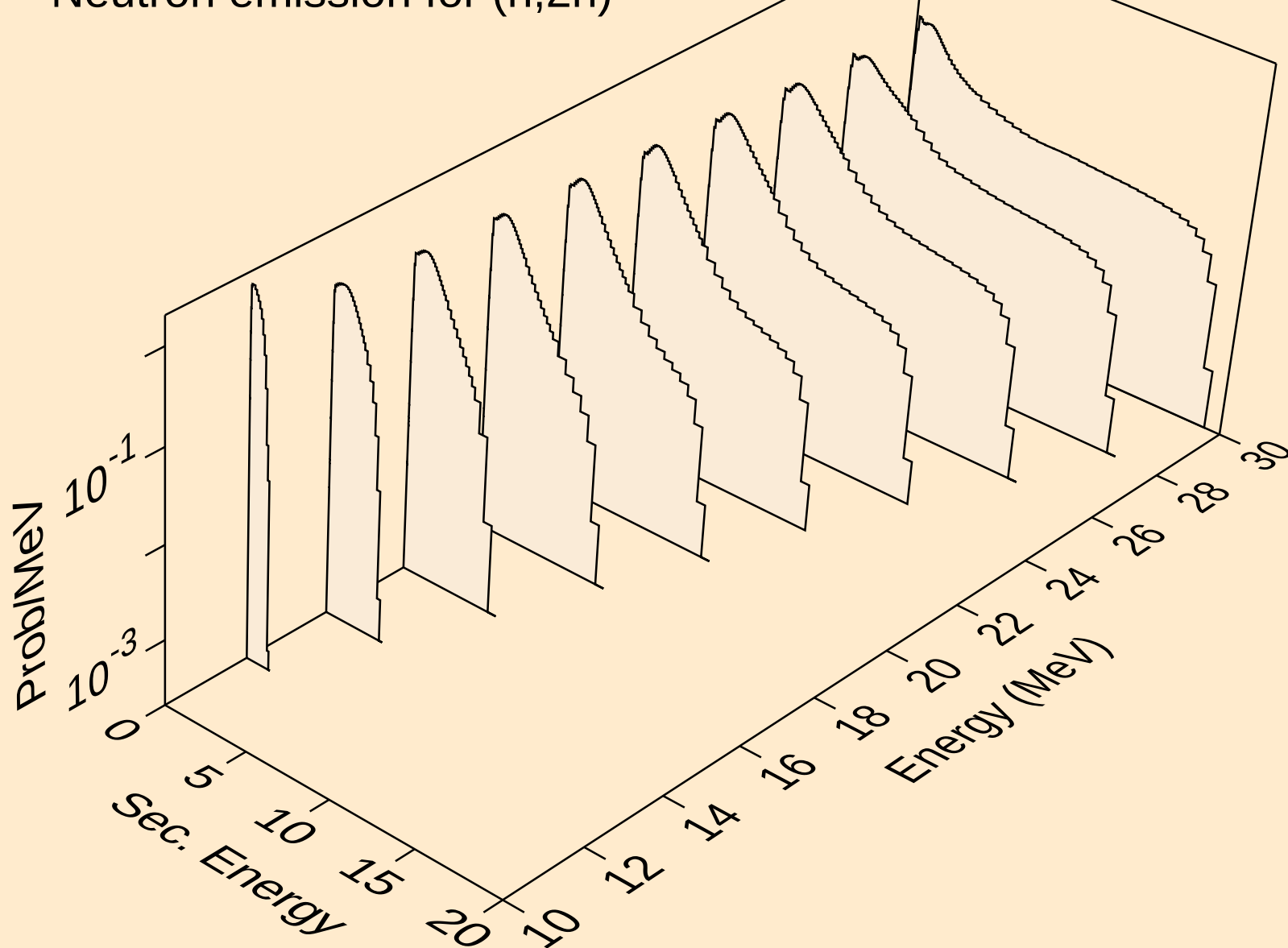
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,x)



PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)

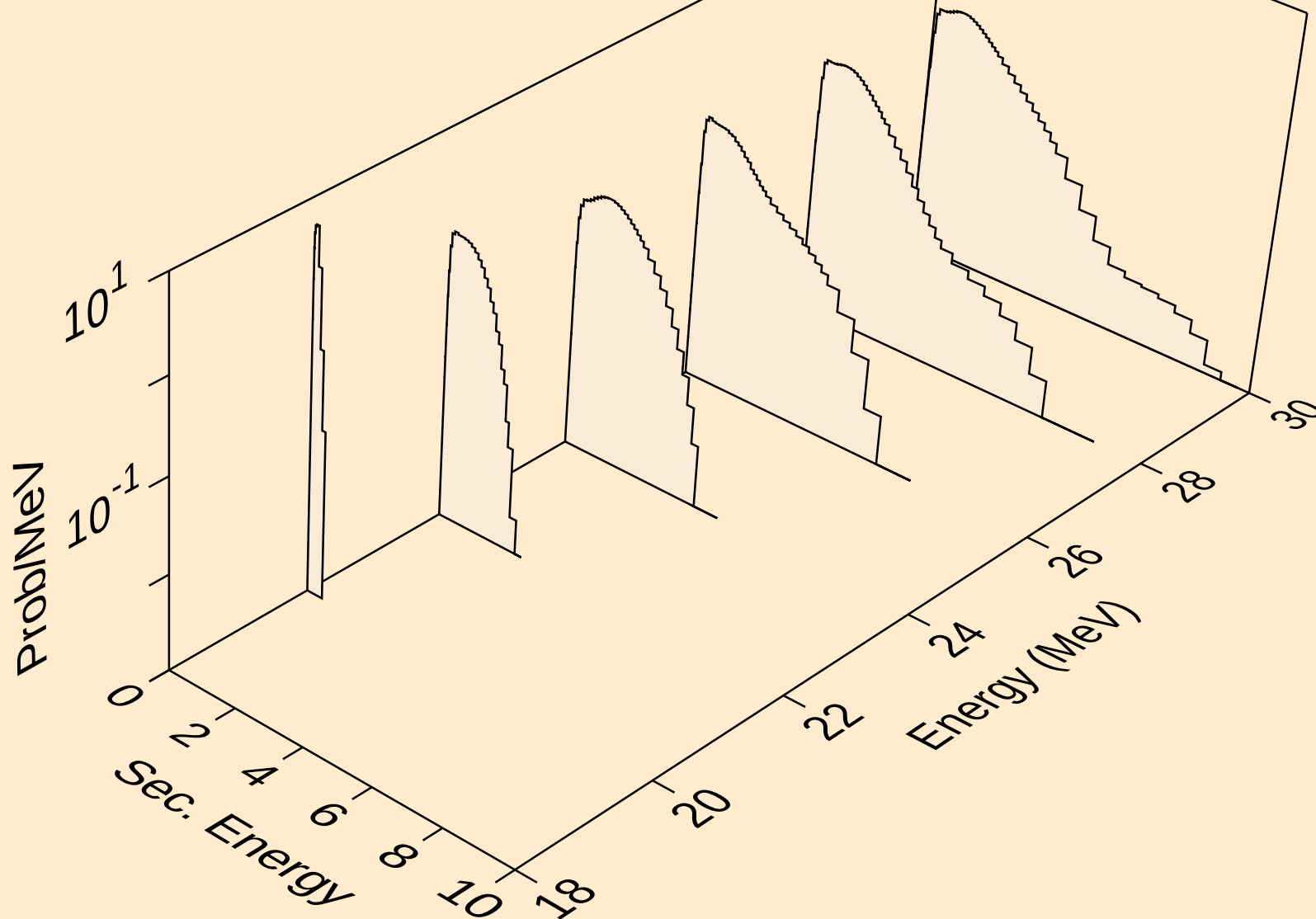


PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)

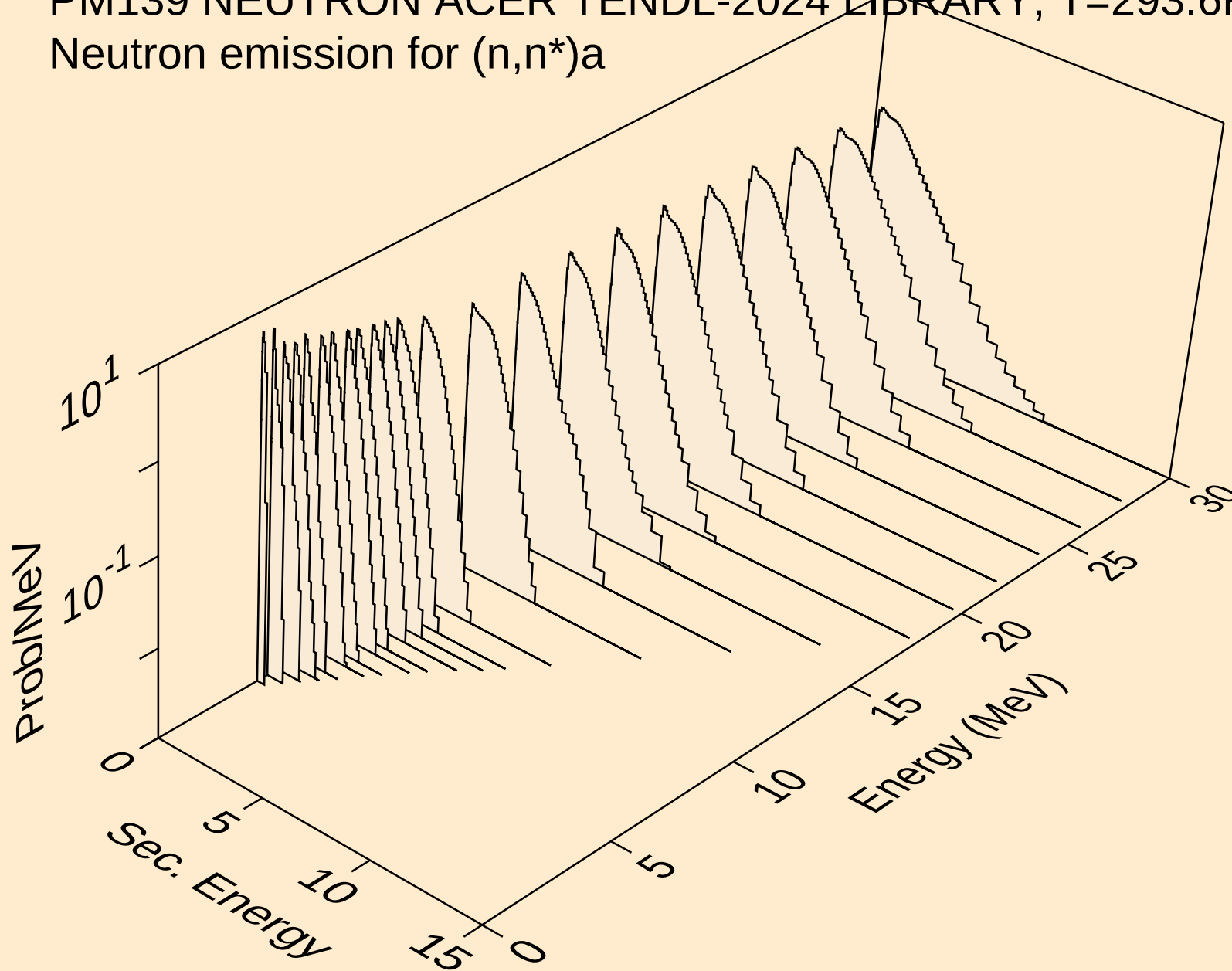




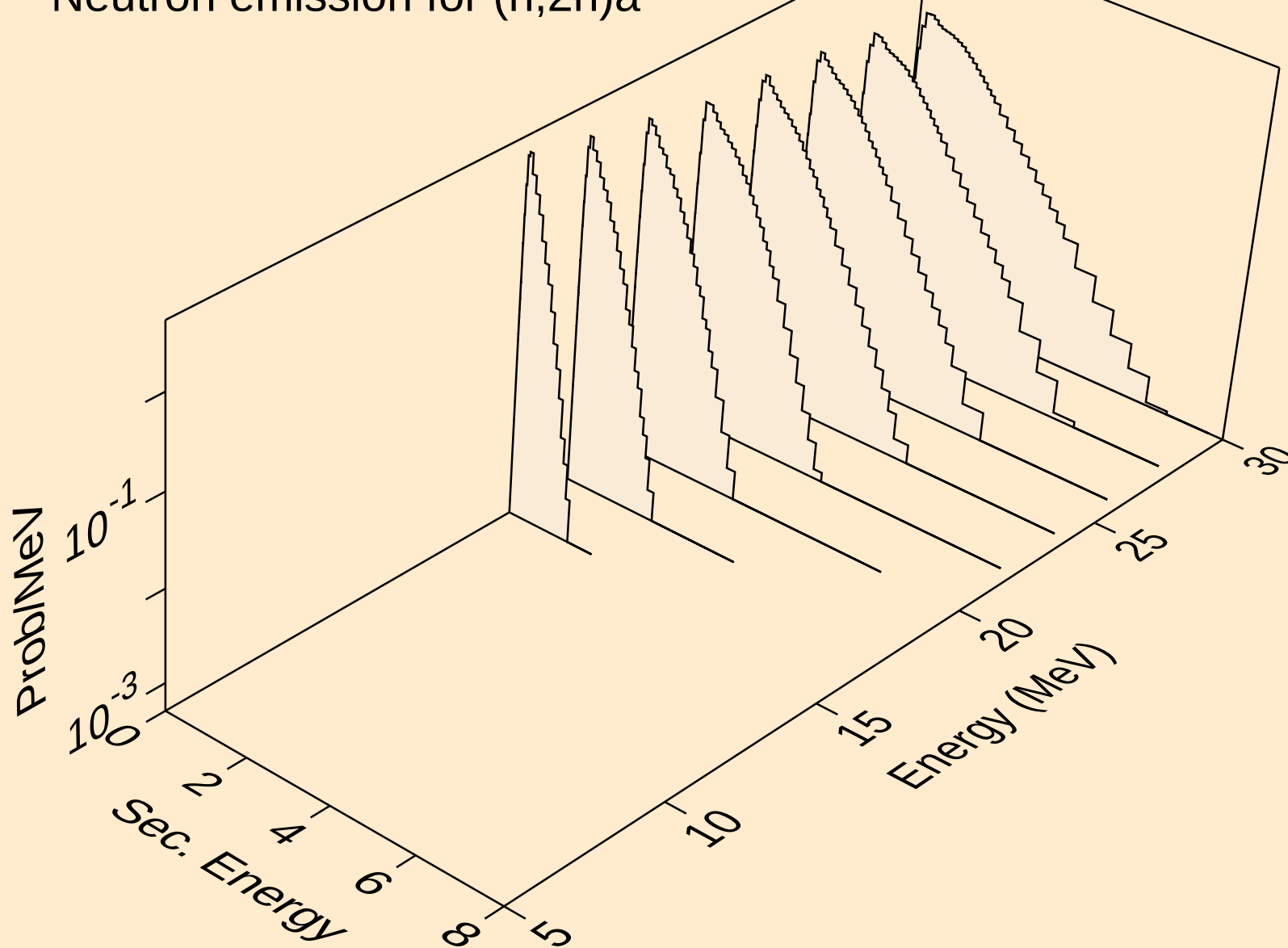
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



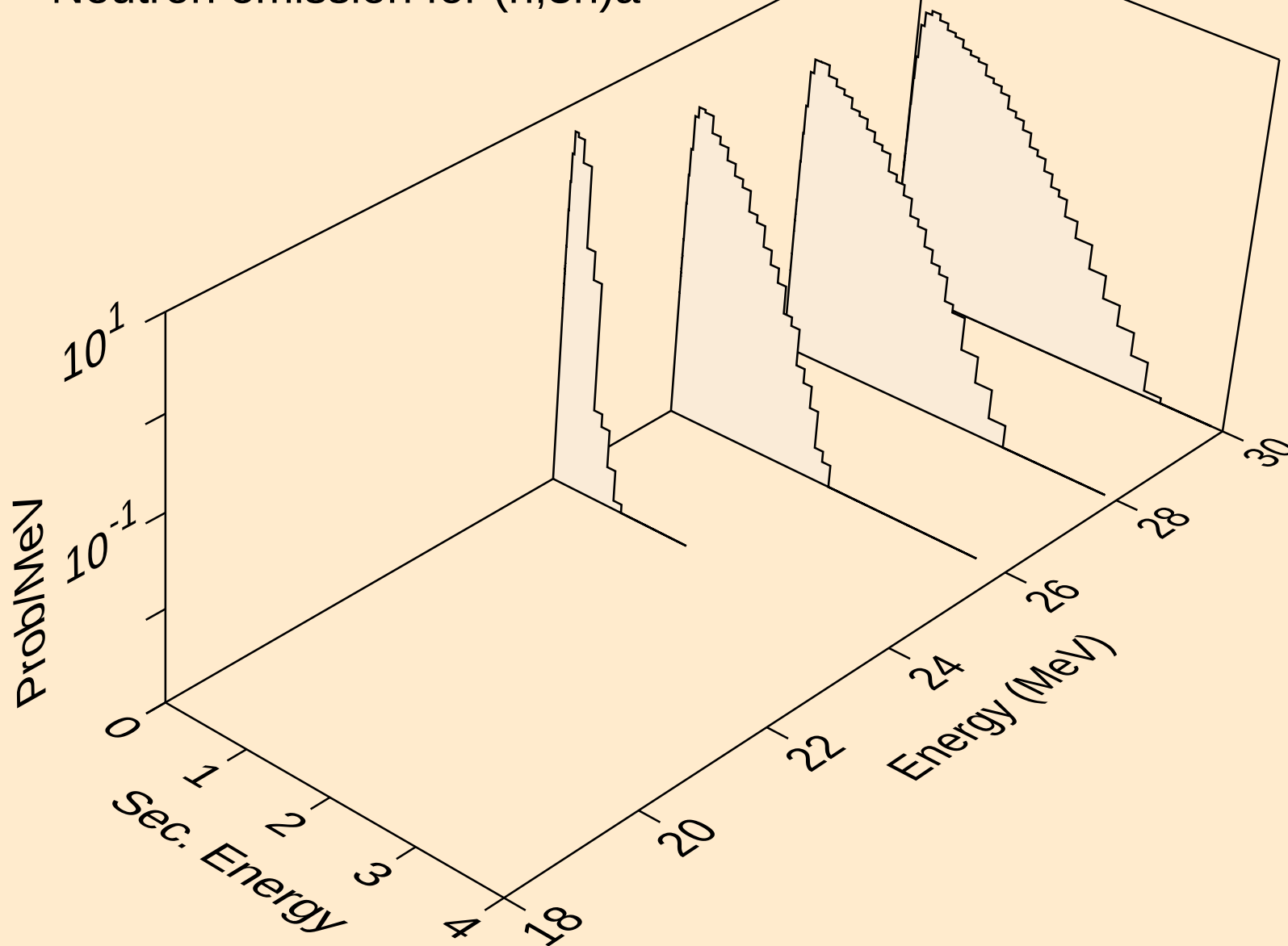
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



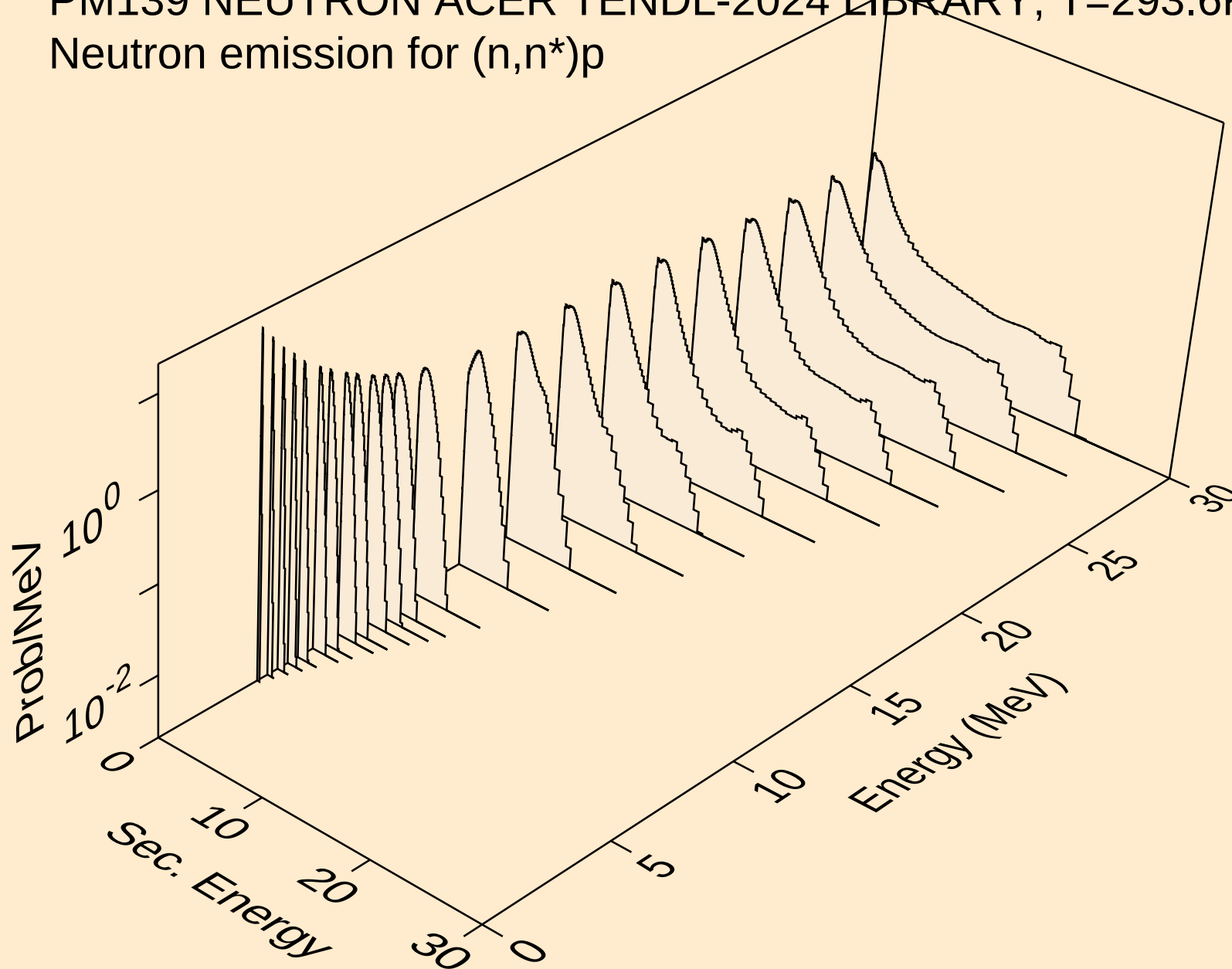
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)<sub>a</sub>



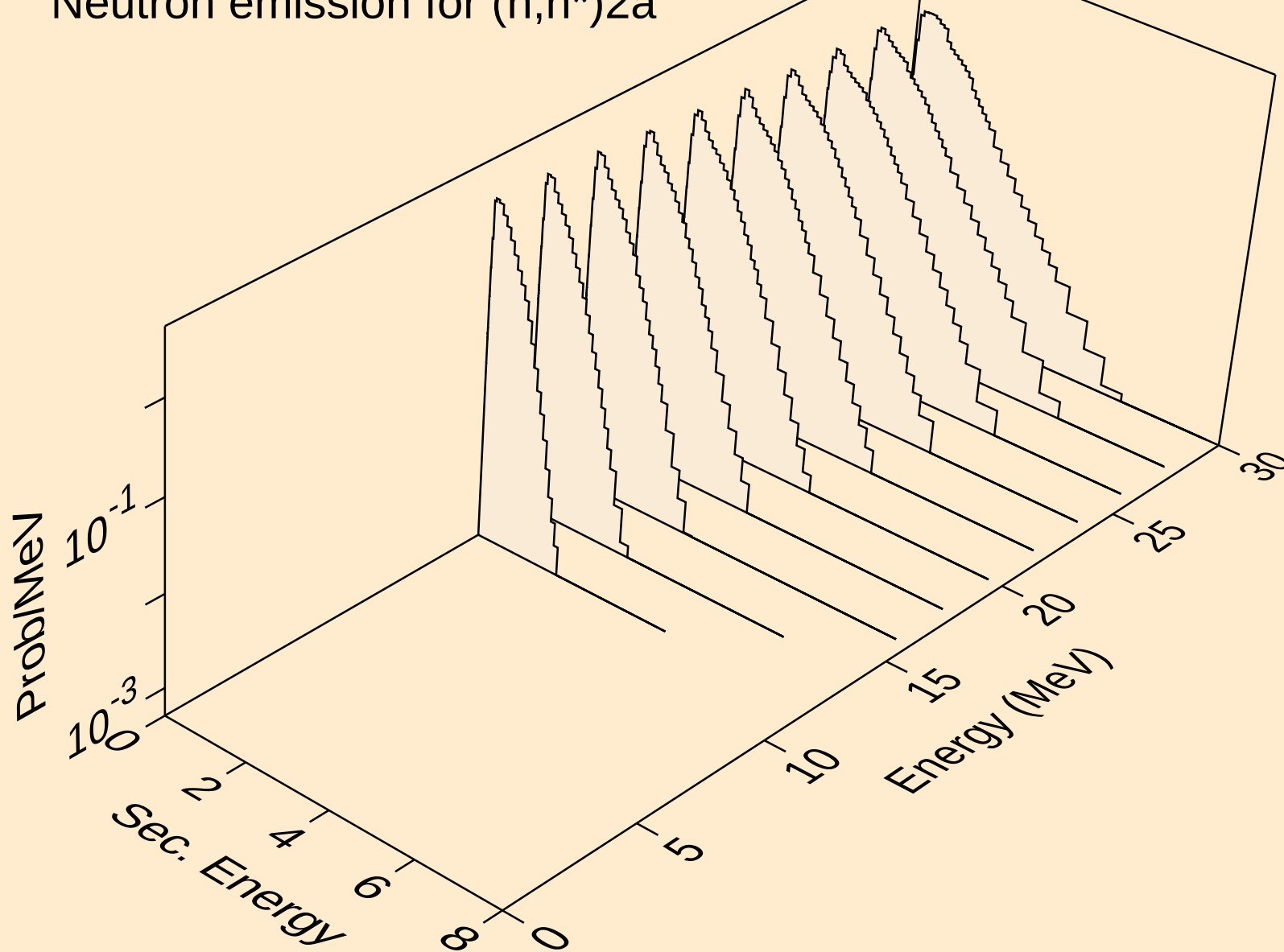
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3n)a



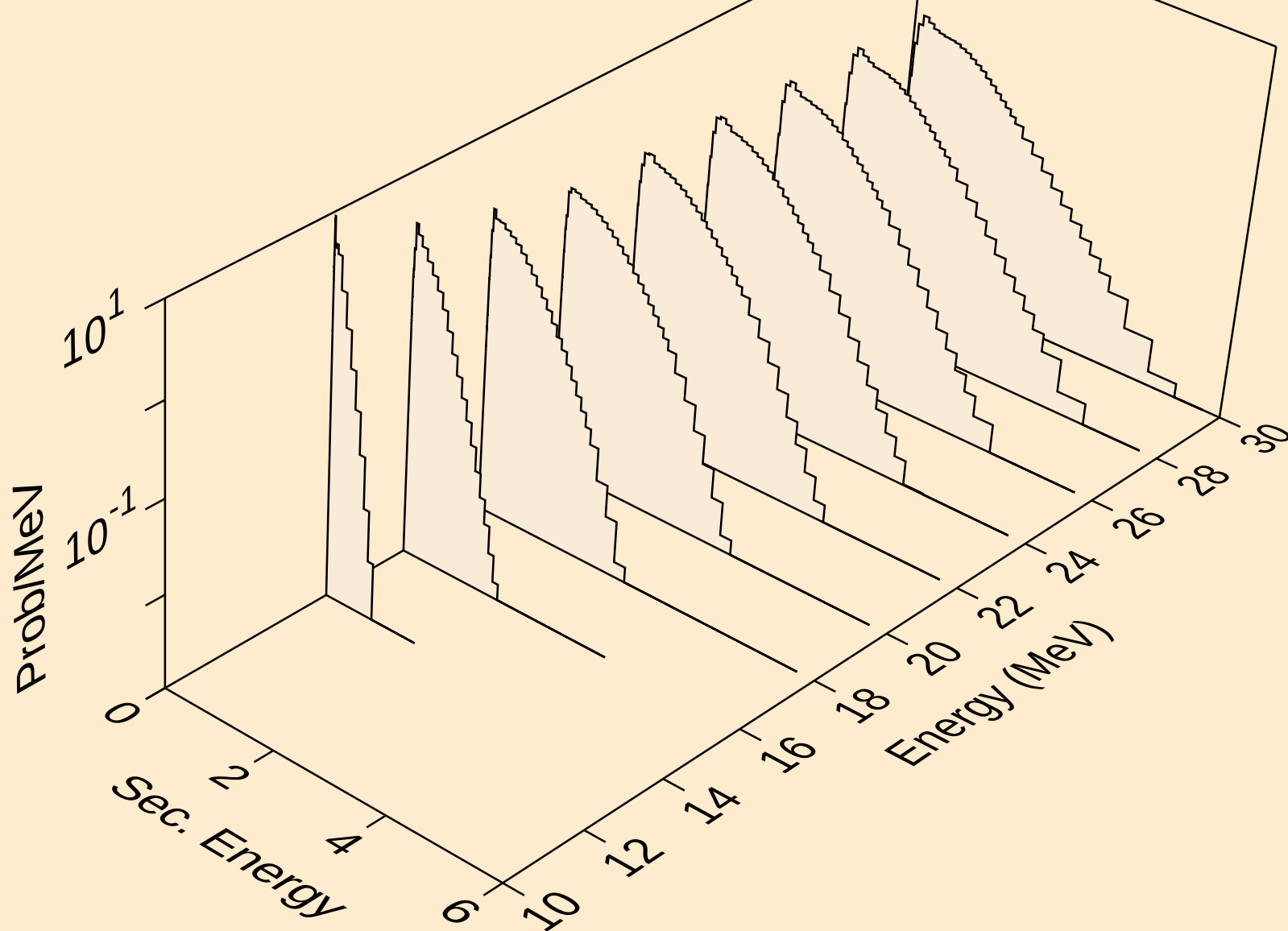
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



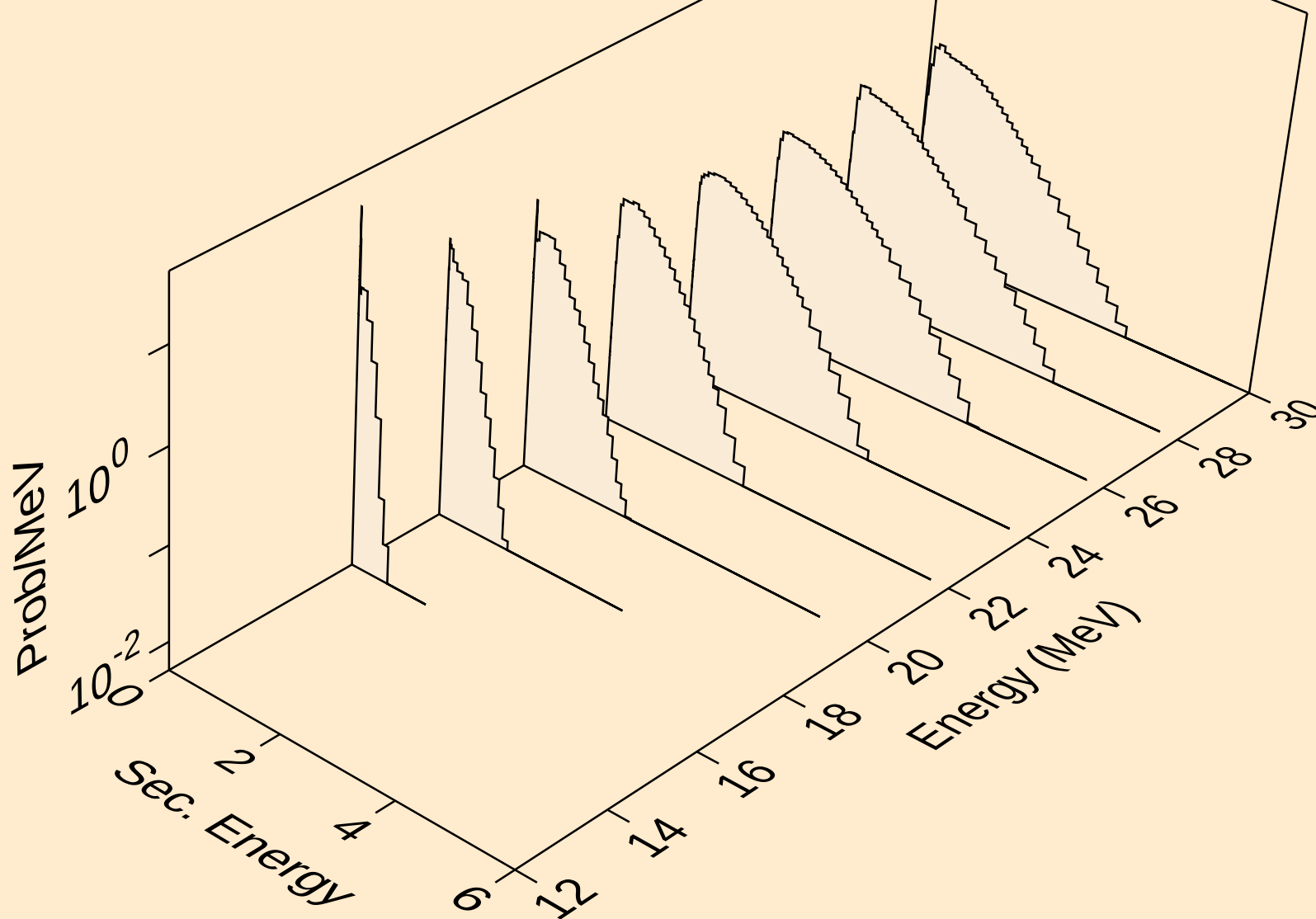
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a



PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d

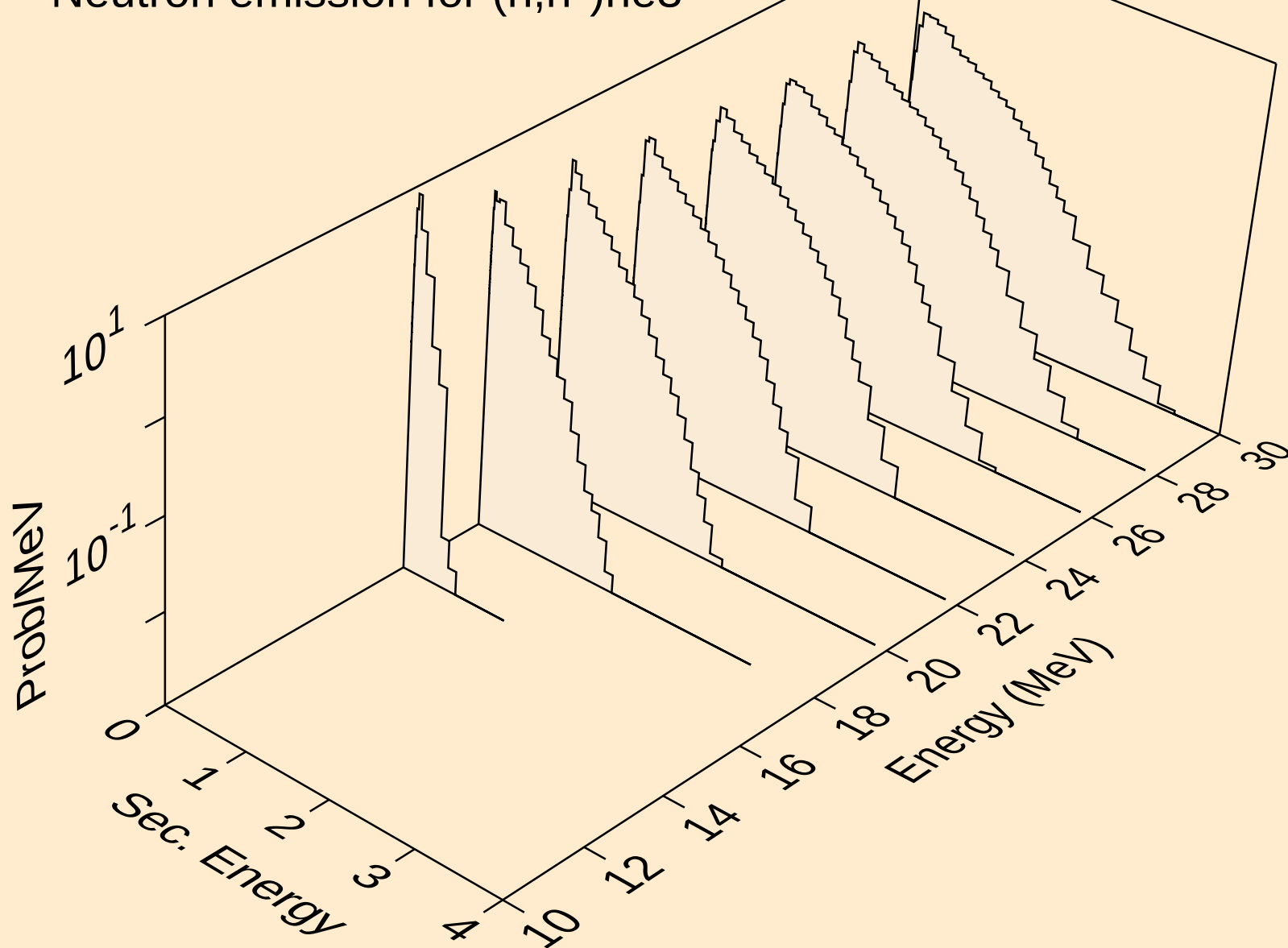


PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t

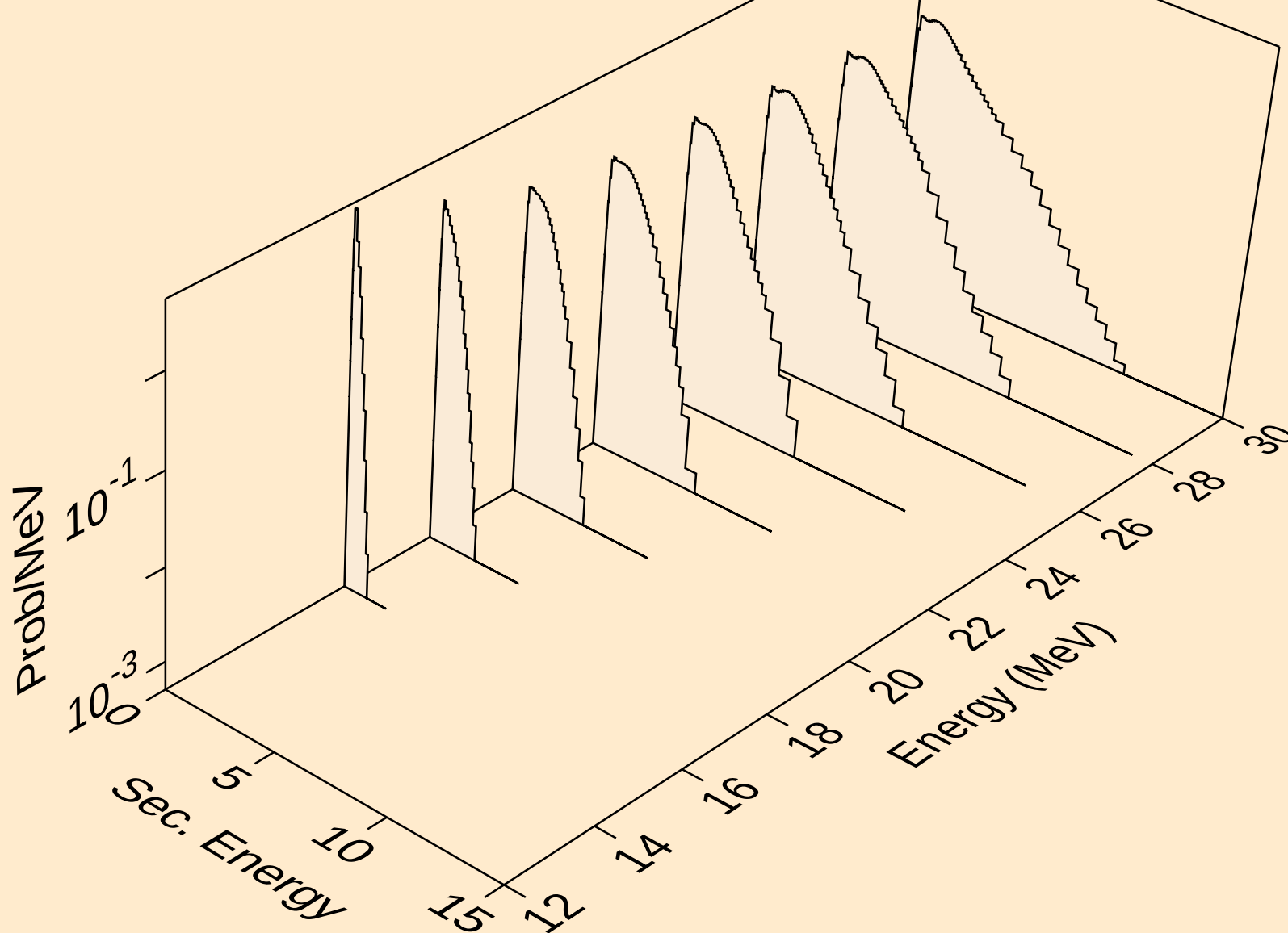




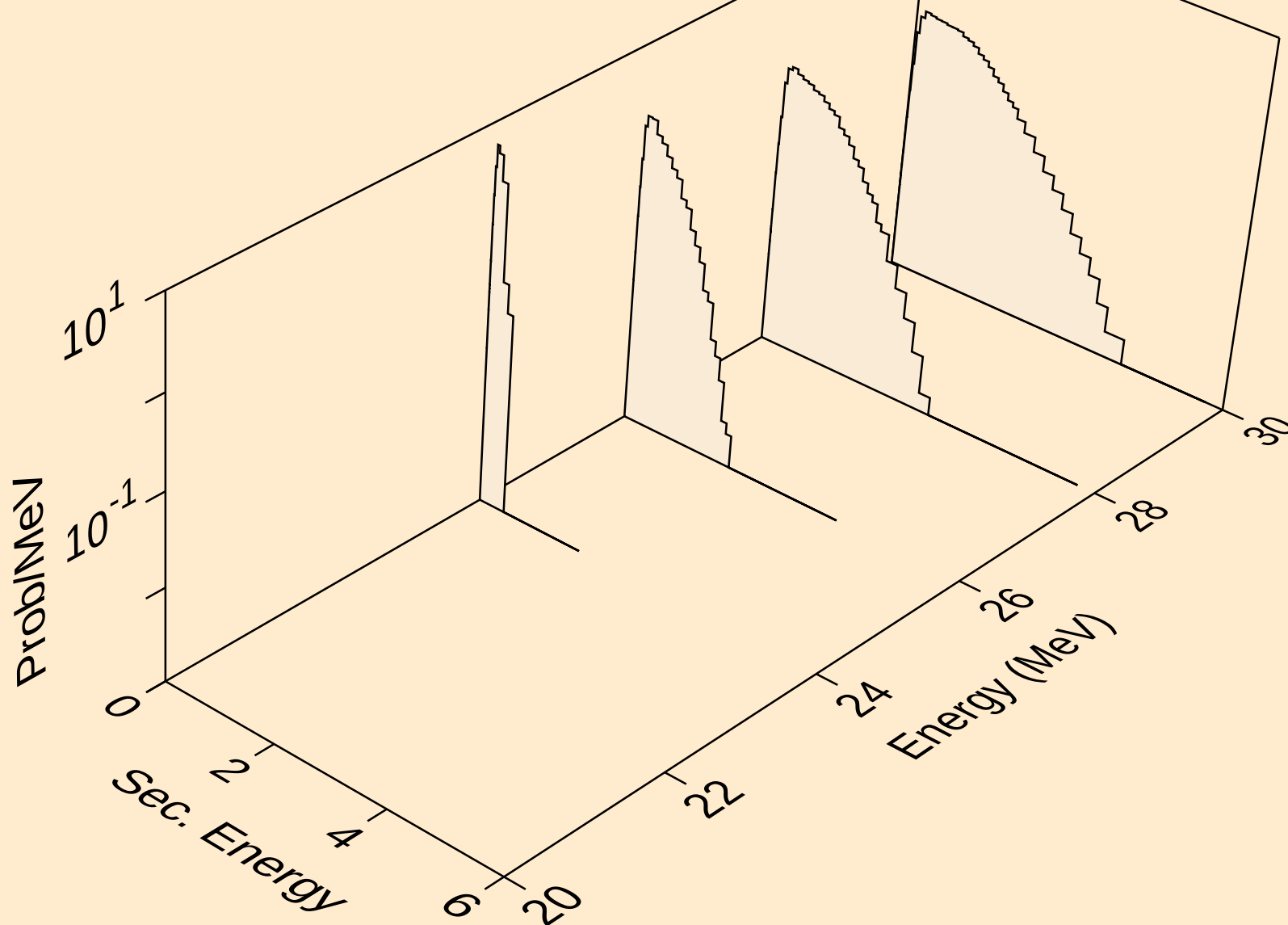
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



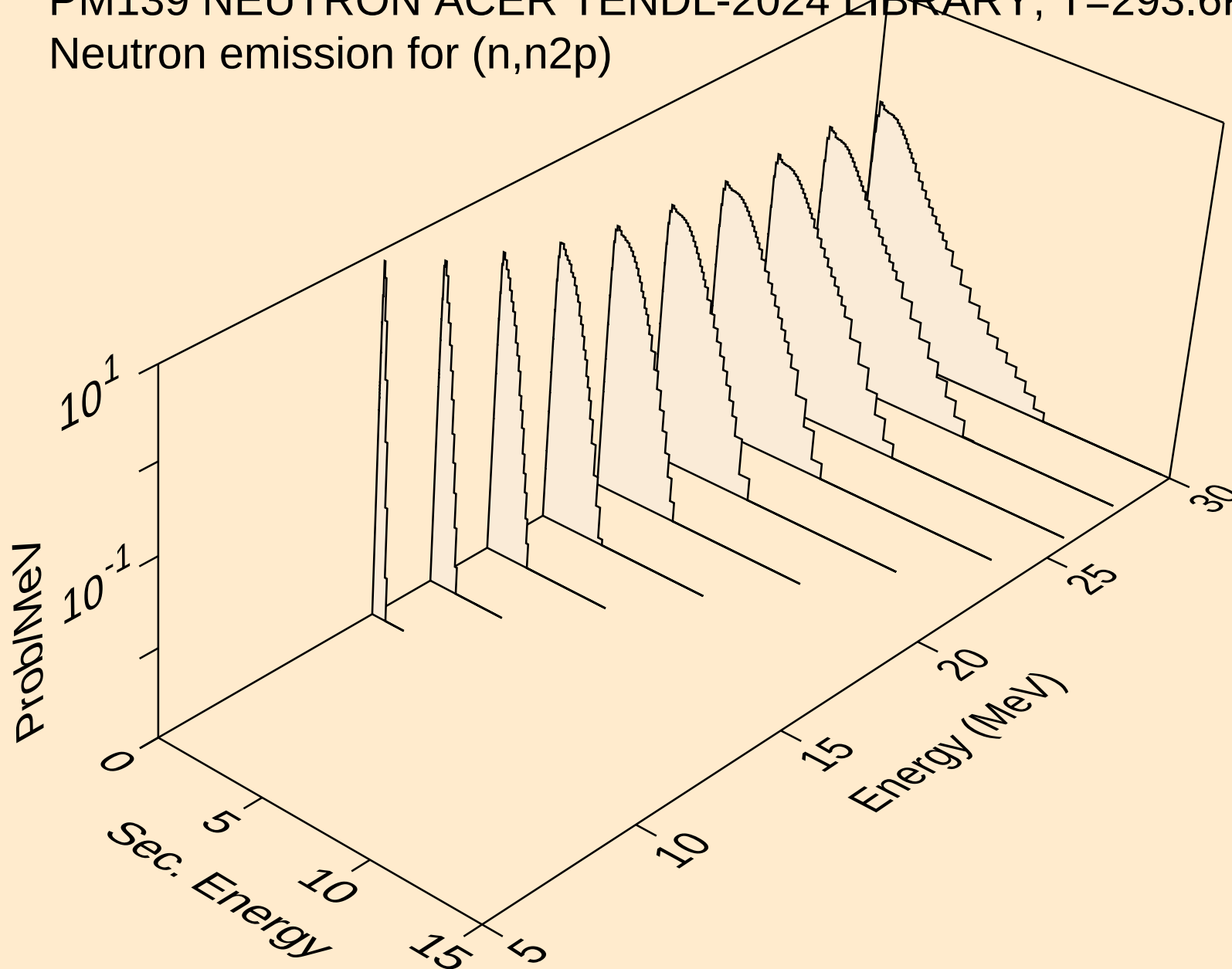
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



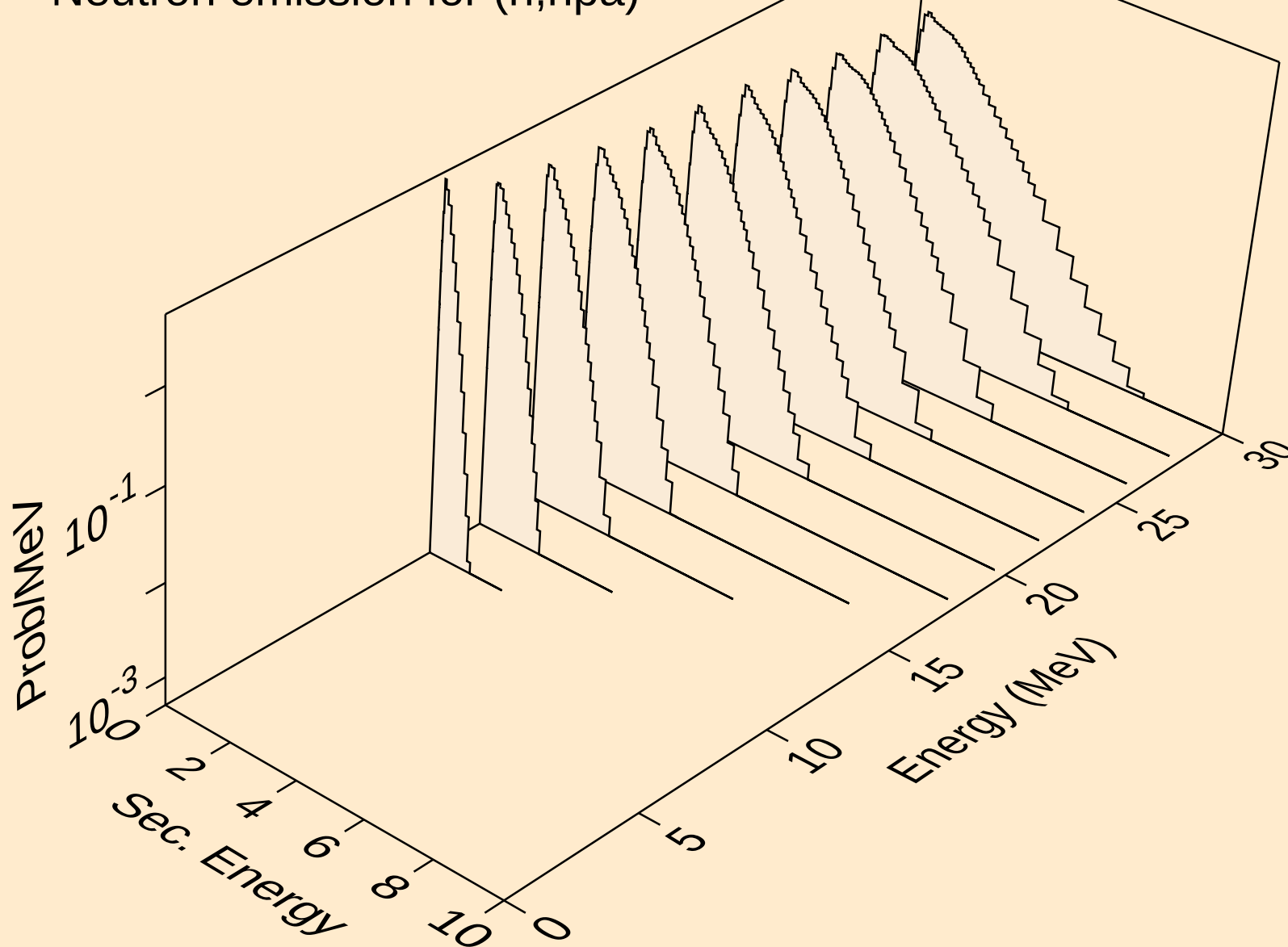
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3np)



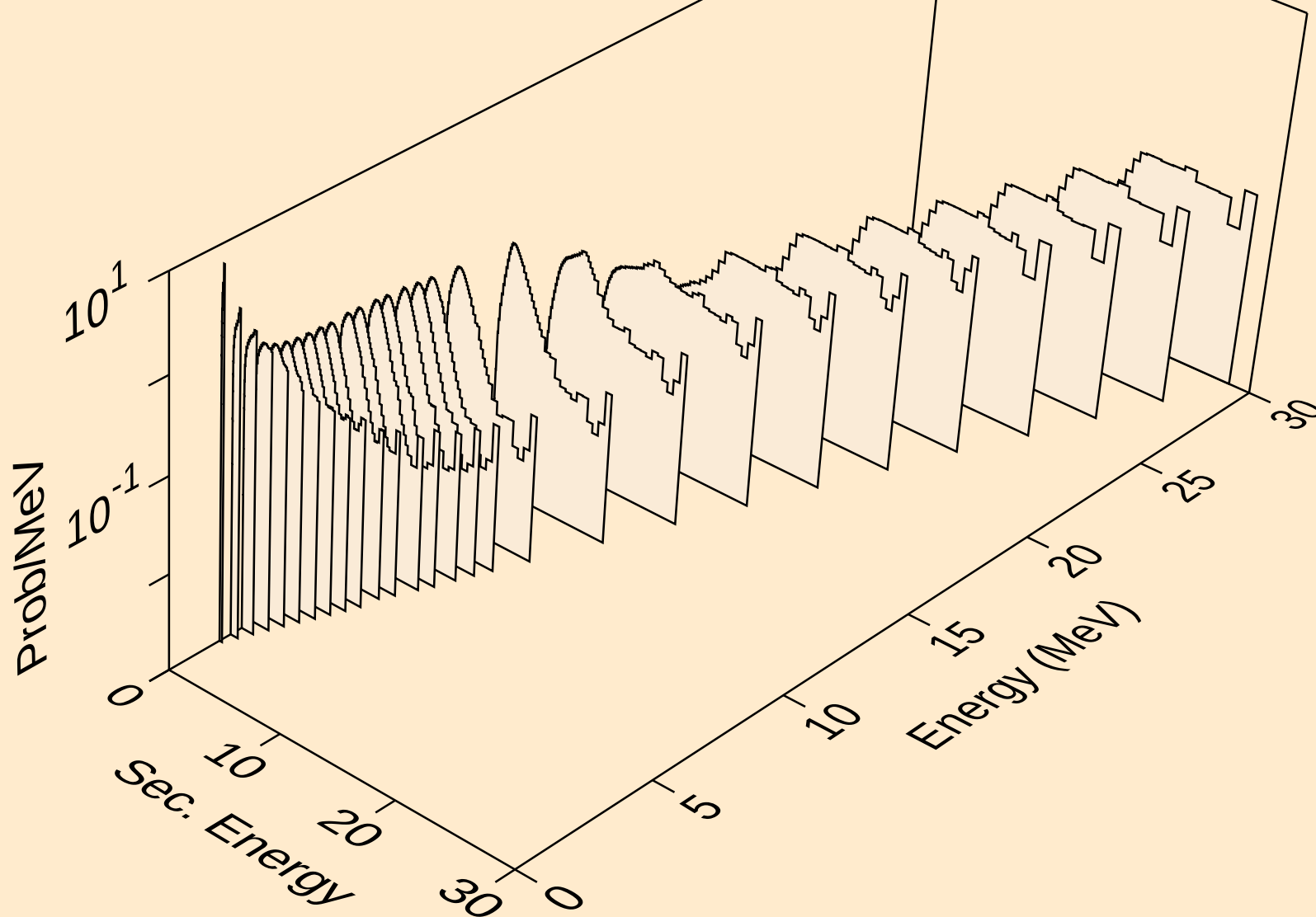
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n2p)



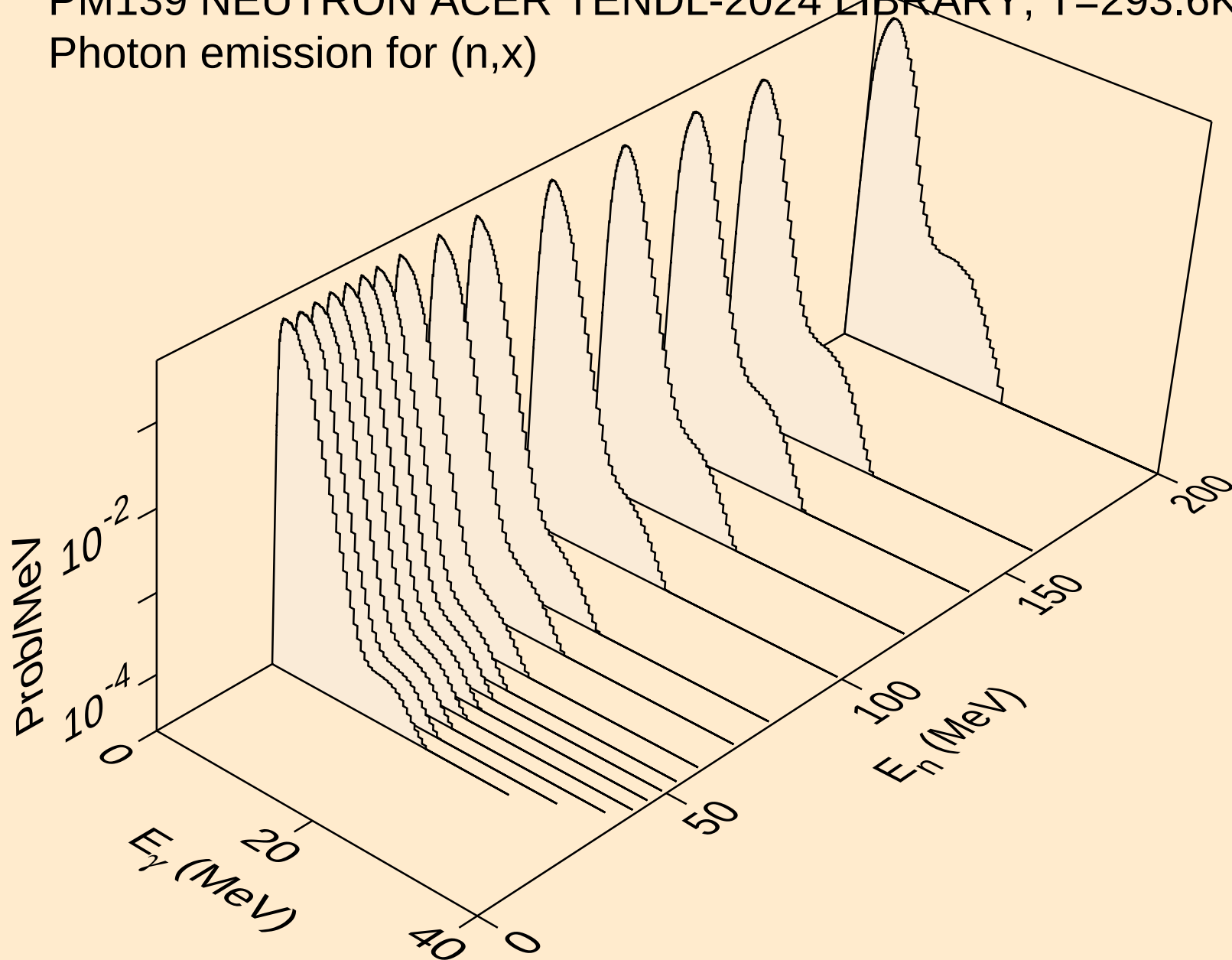
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,npa)



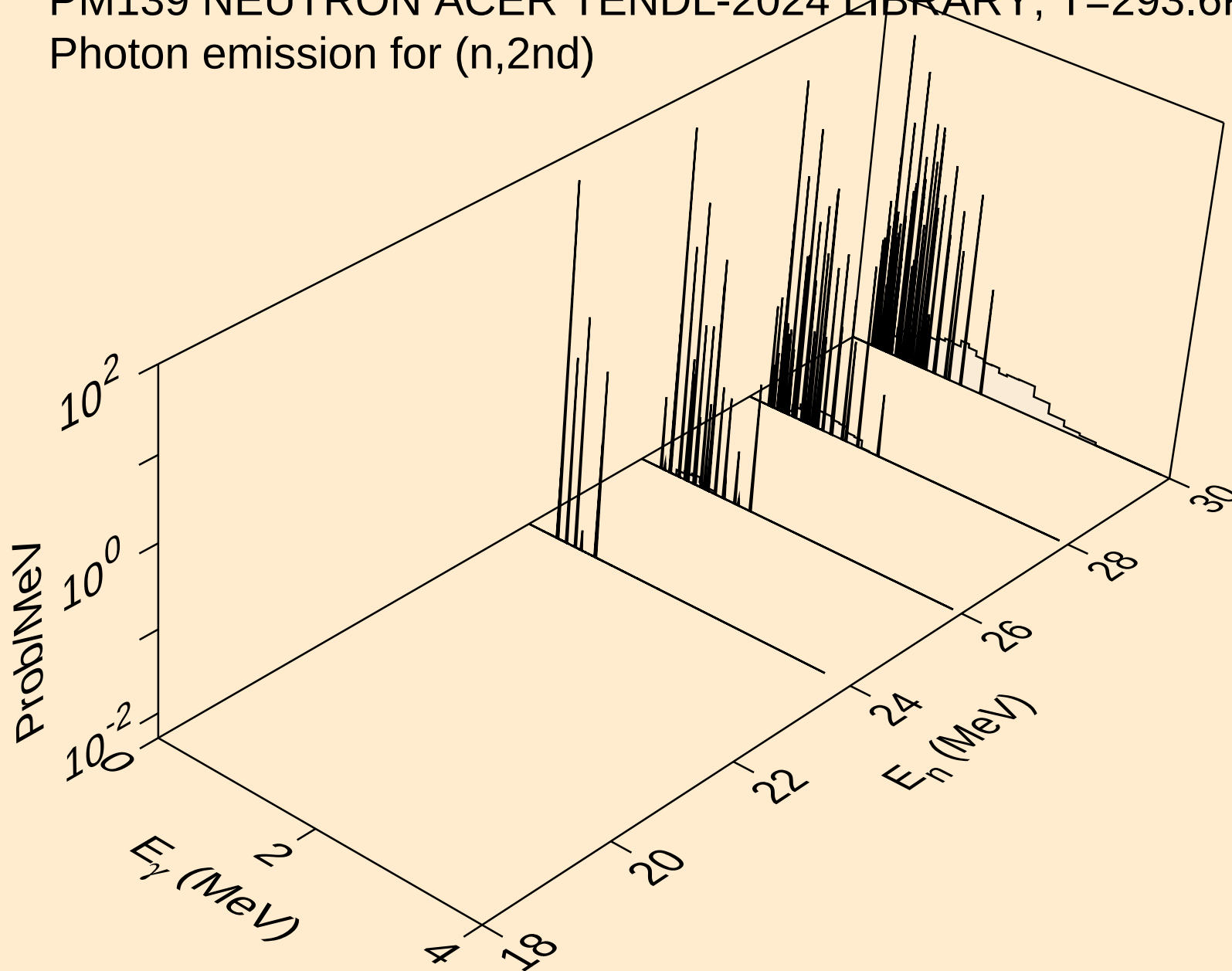
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,x)

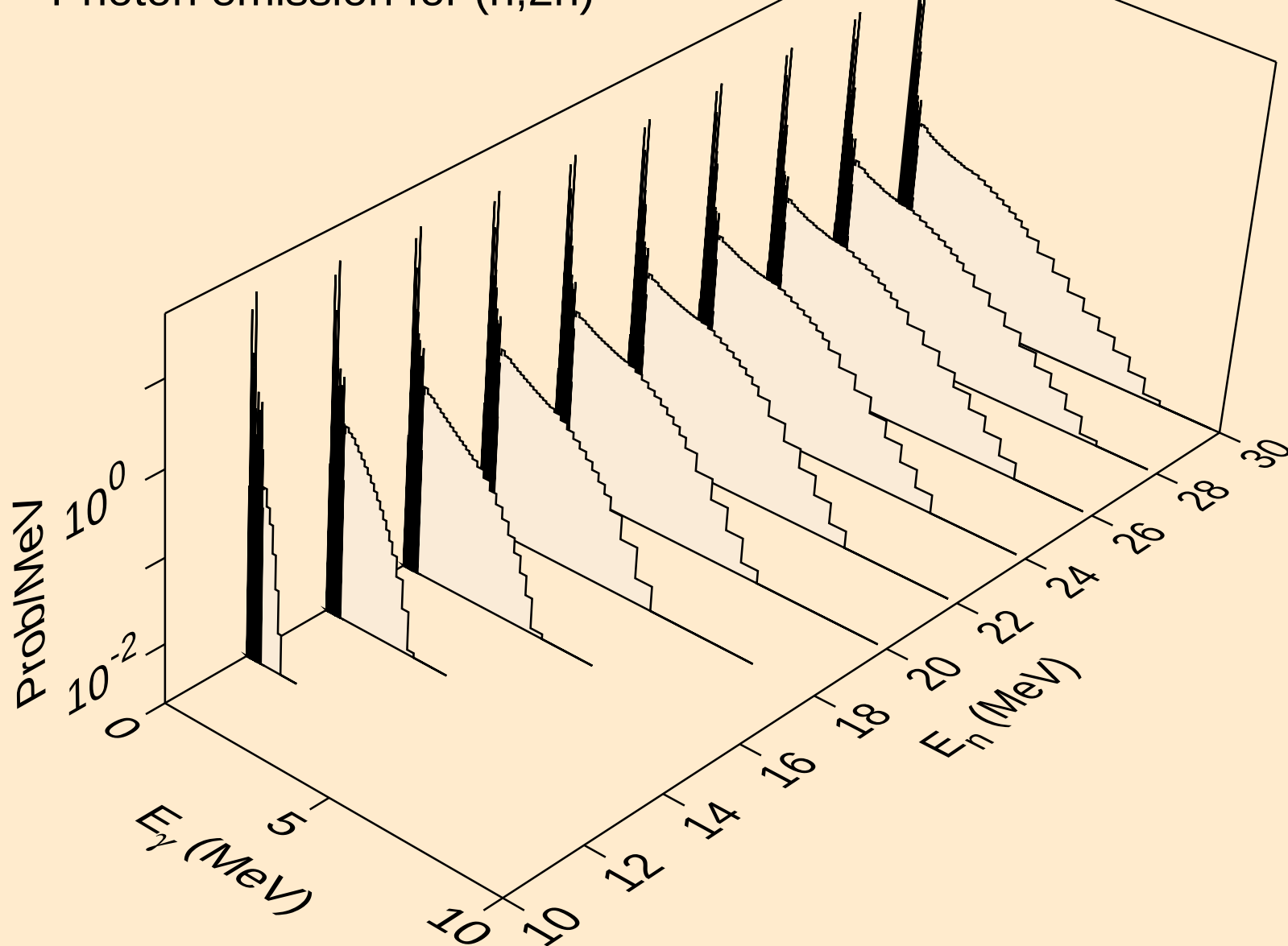


PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2nd)

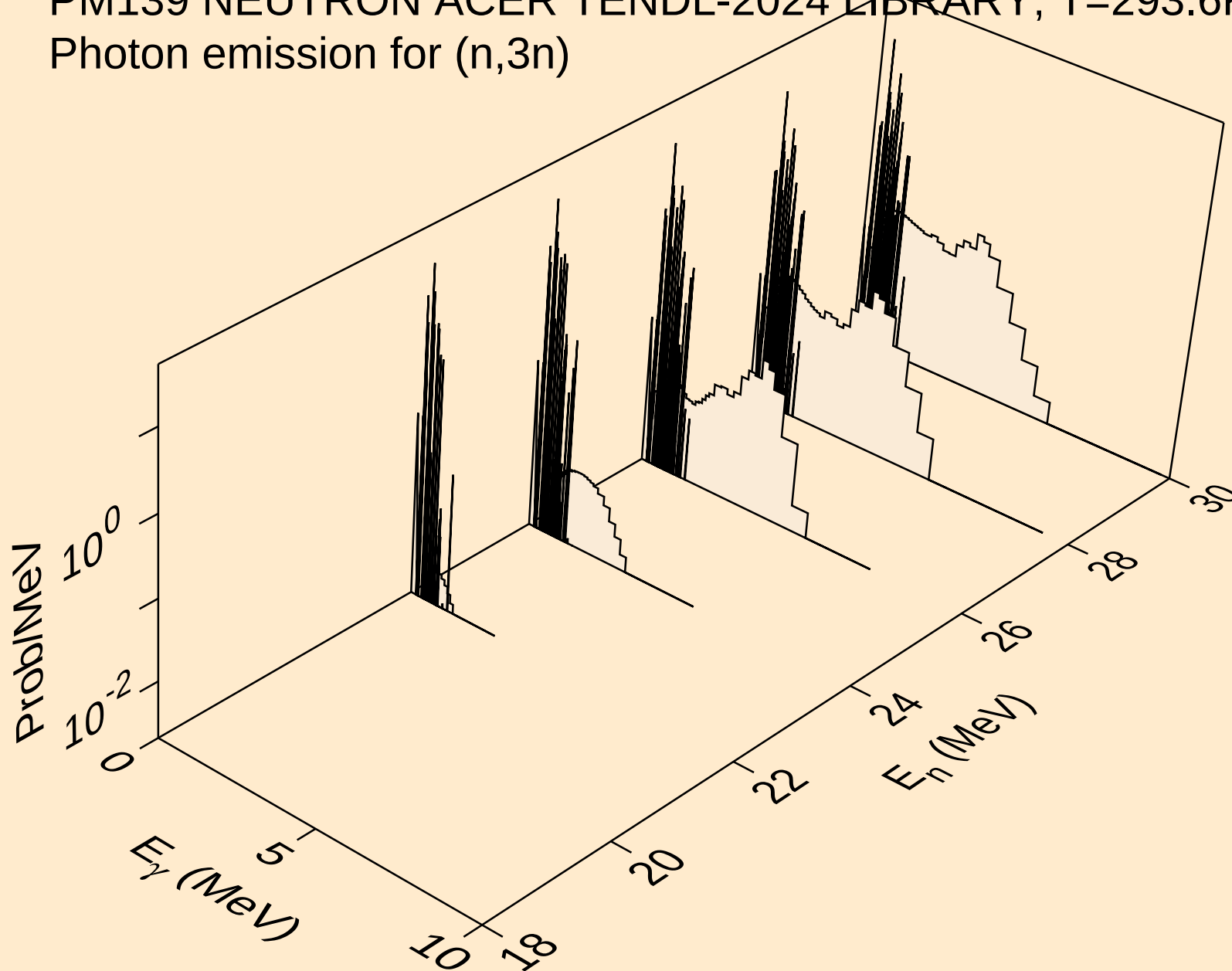




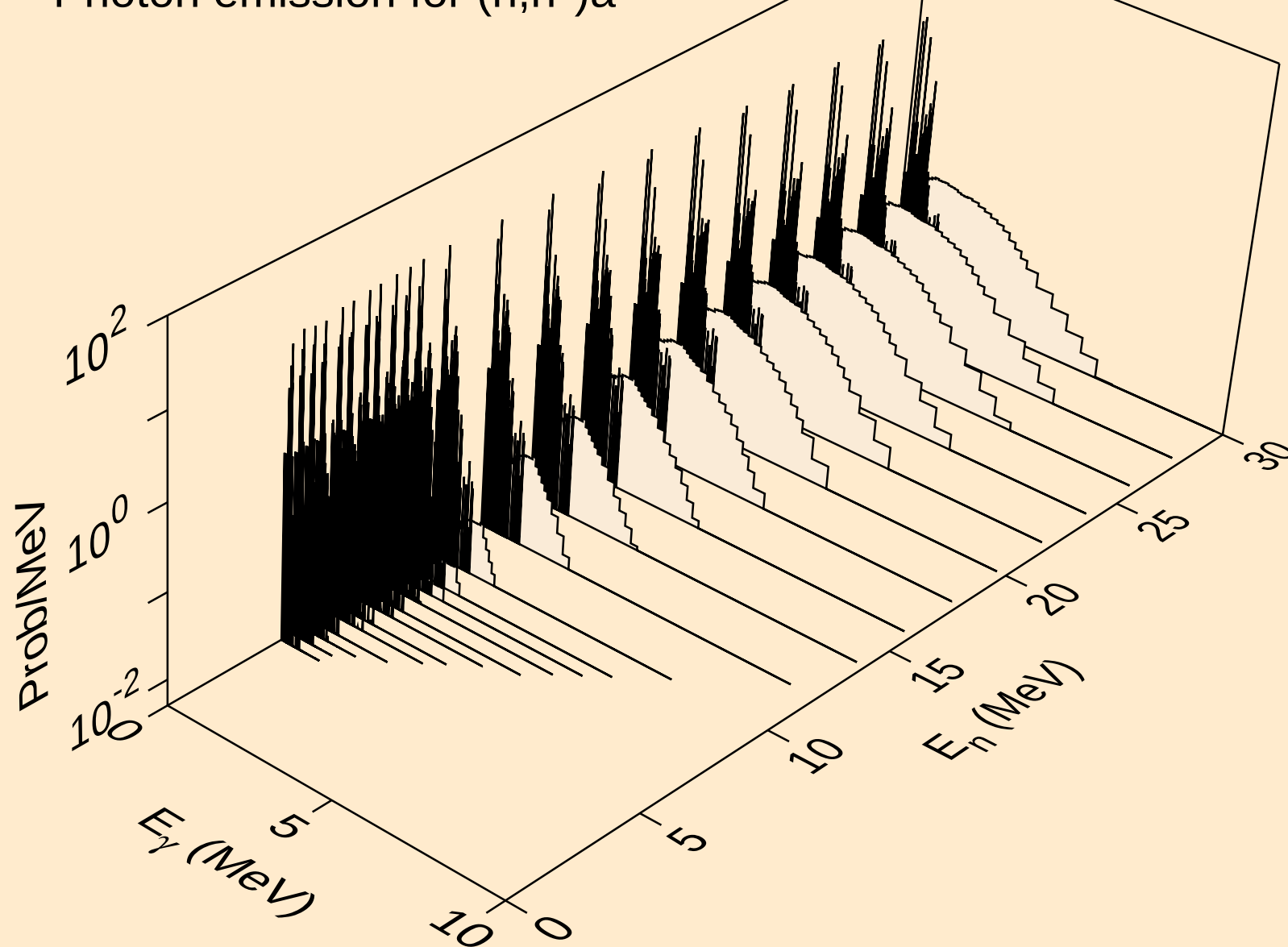
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n)



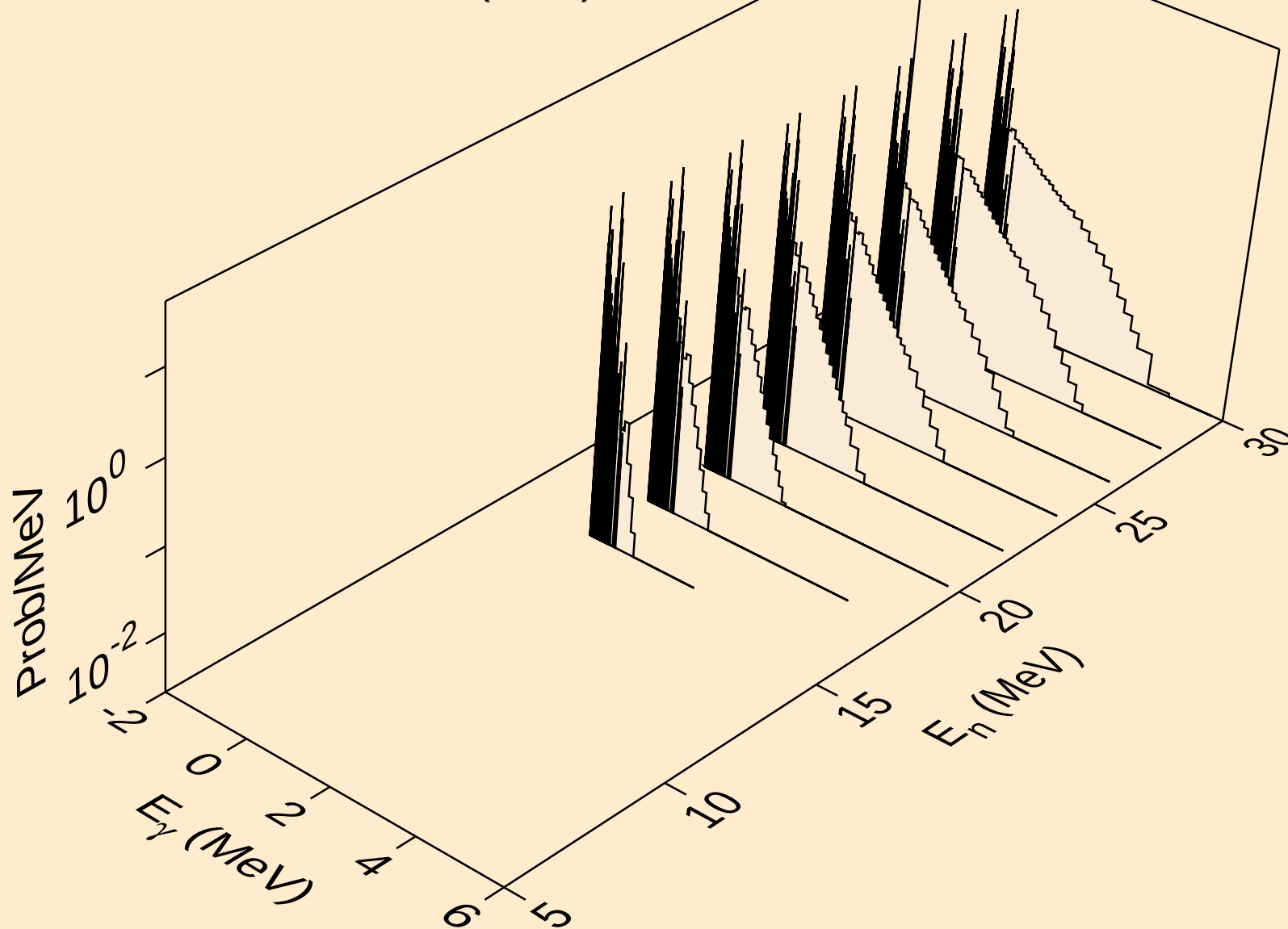
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3n)



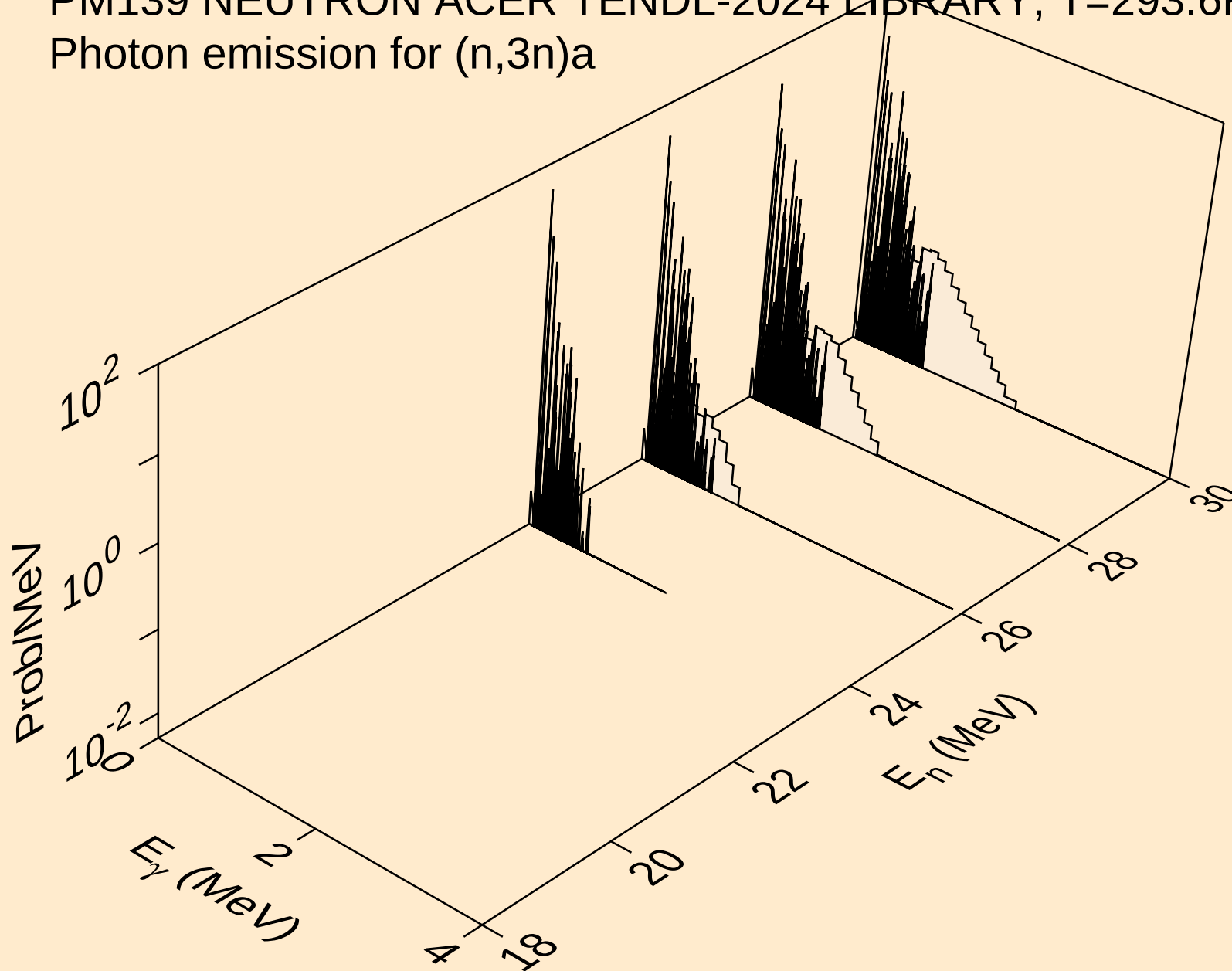
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



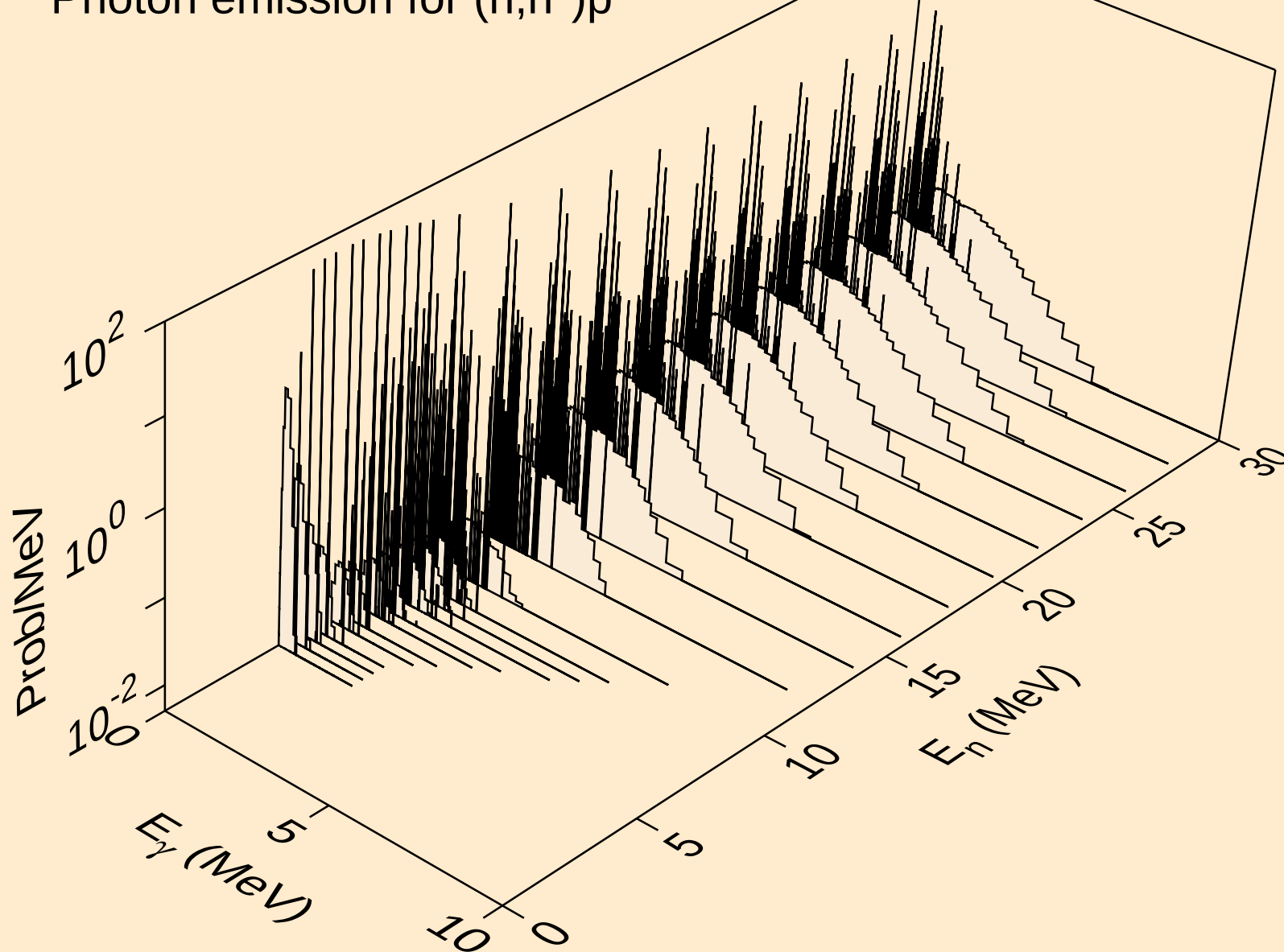
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n) $\alpha$



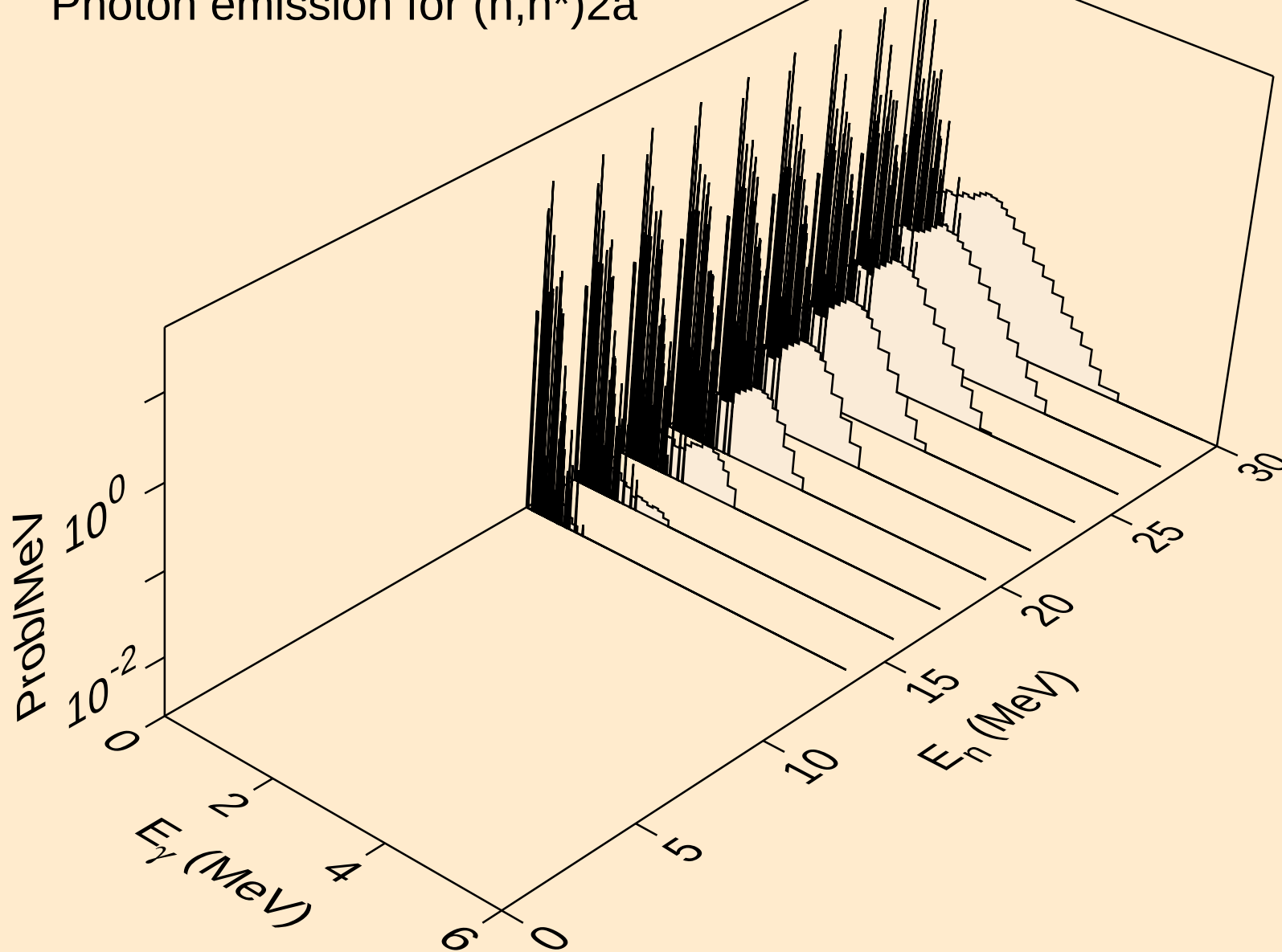
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3n)a



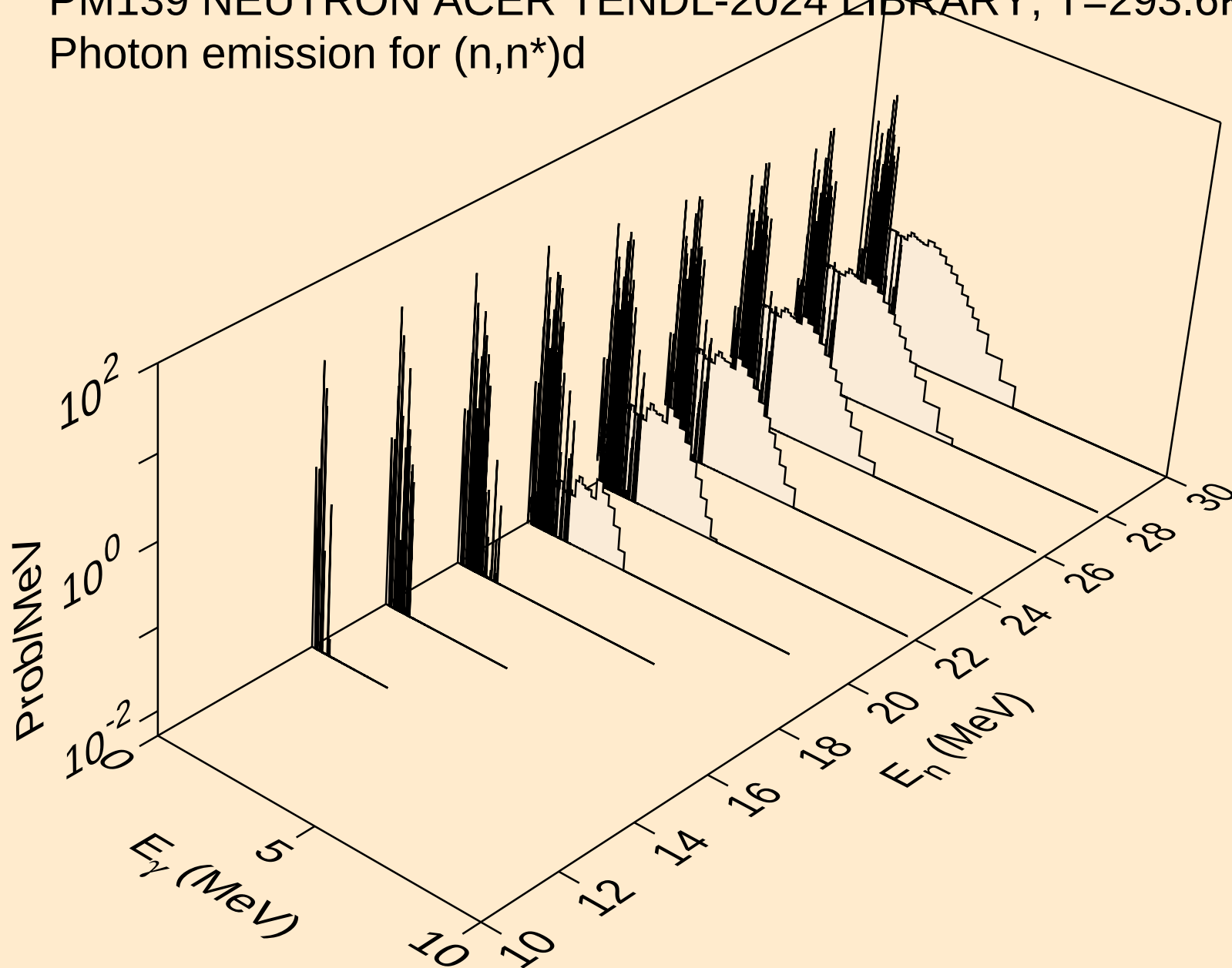
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a

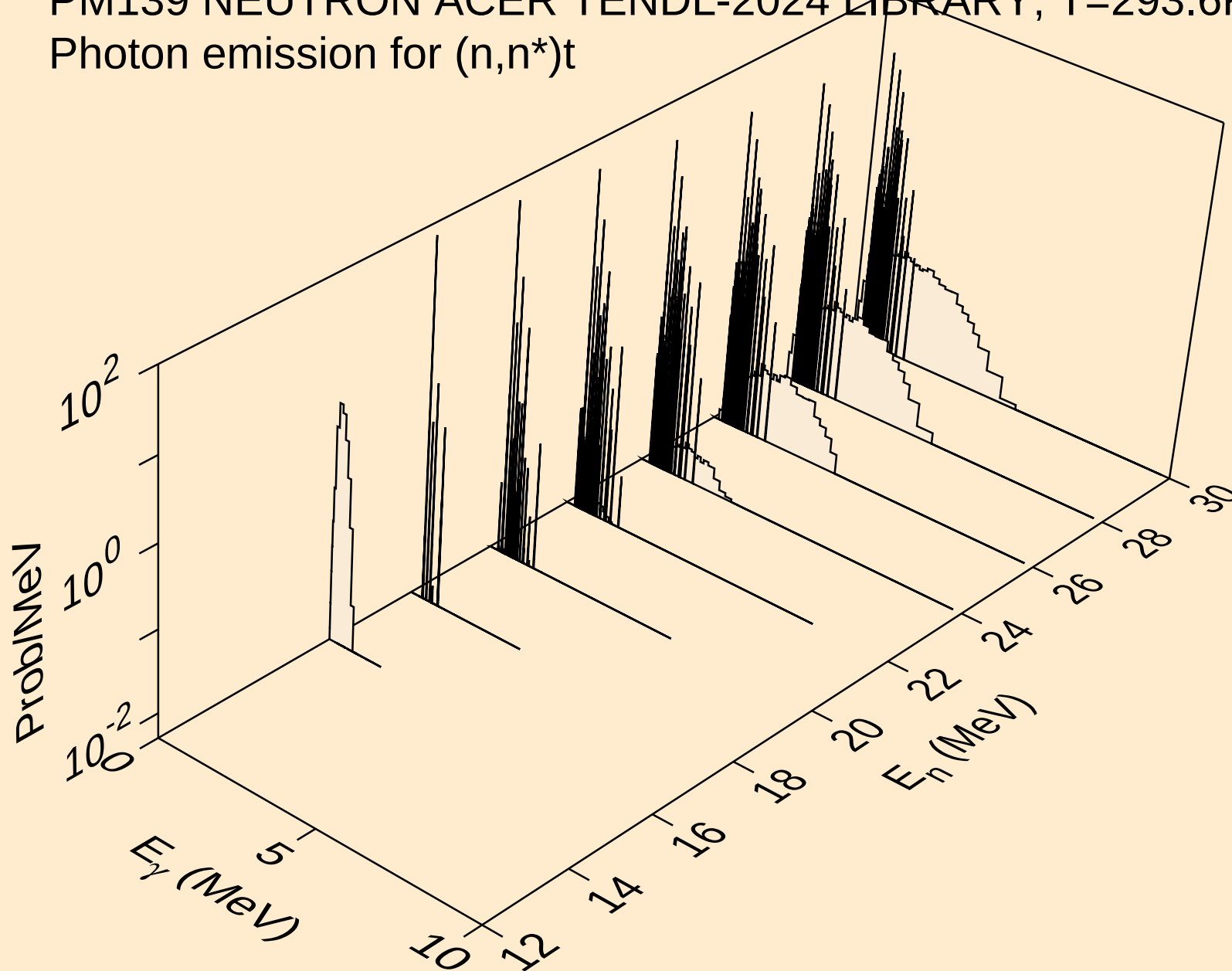


PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d

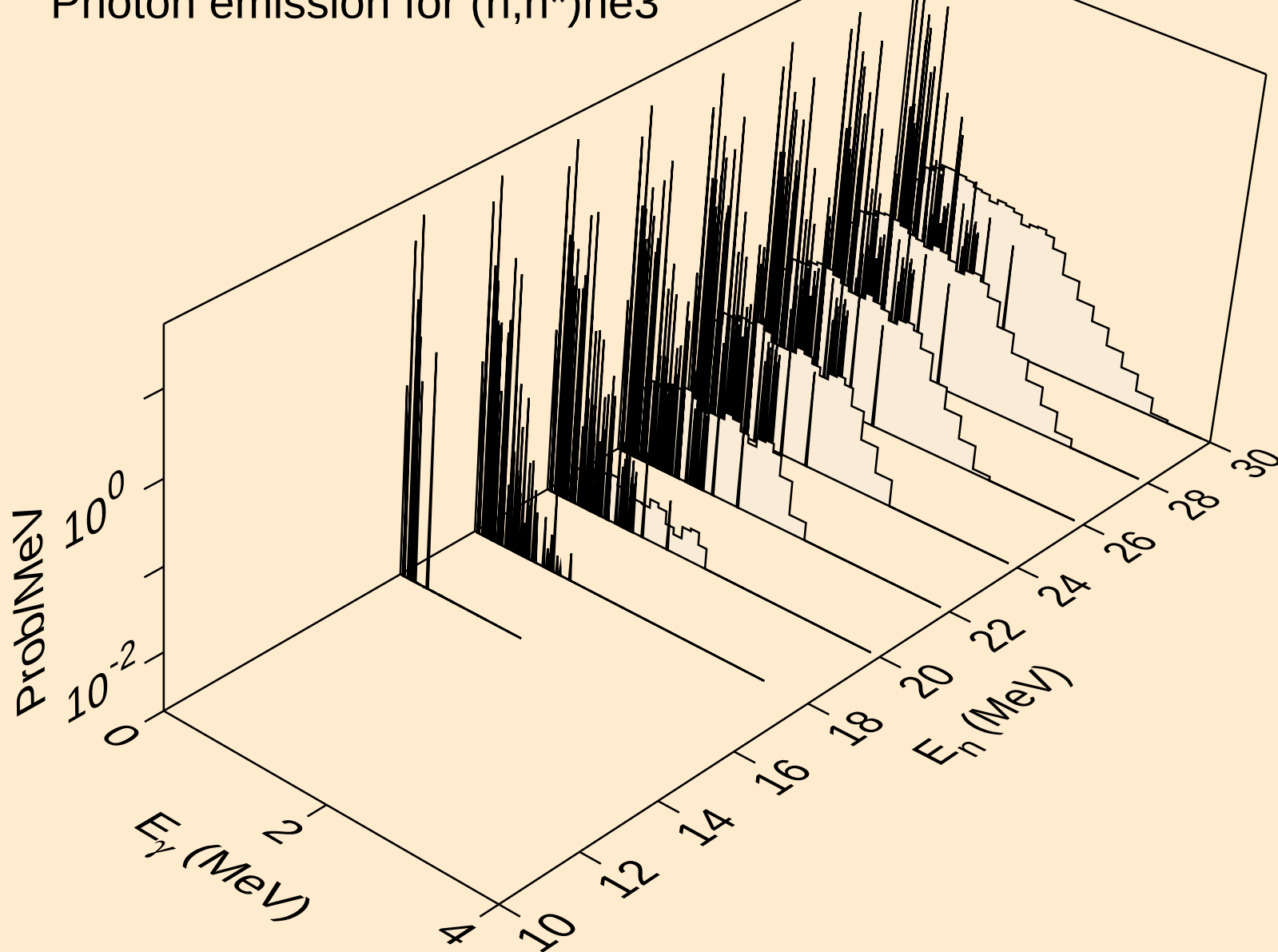




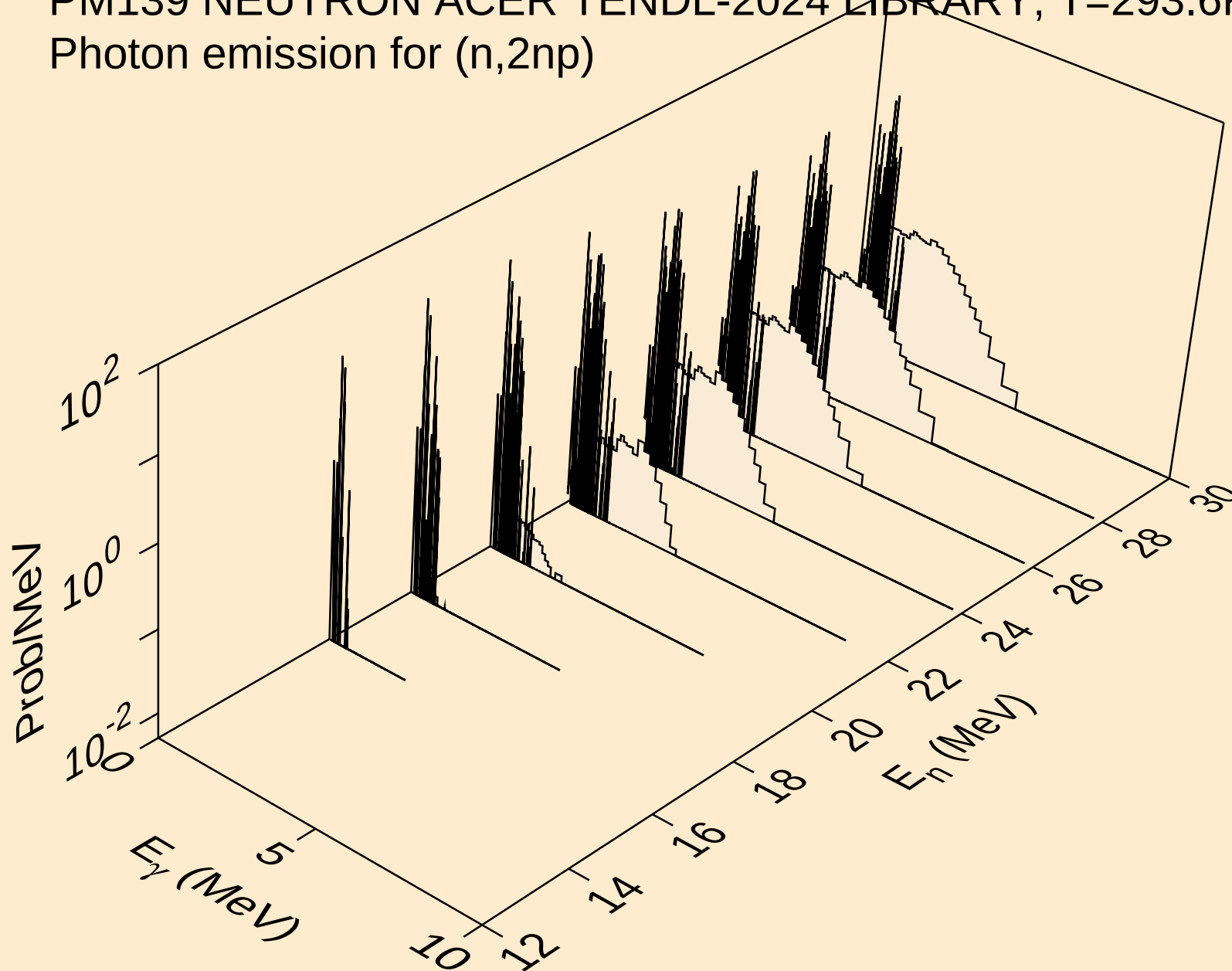
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



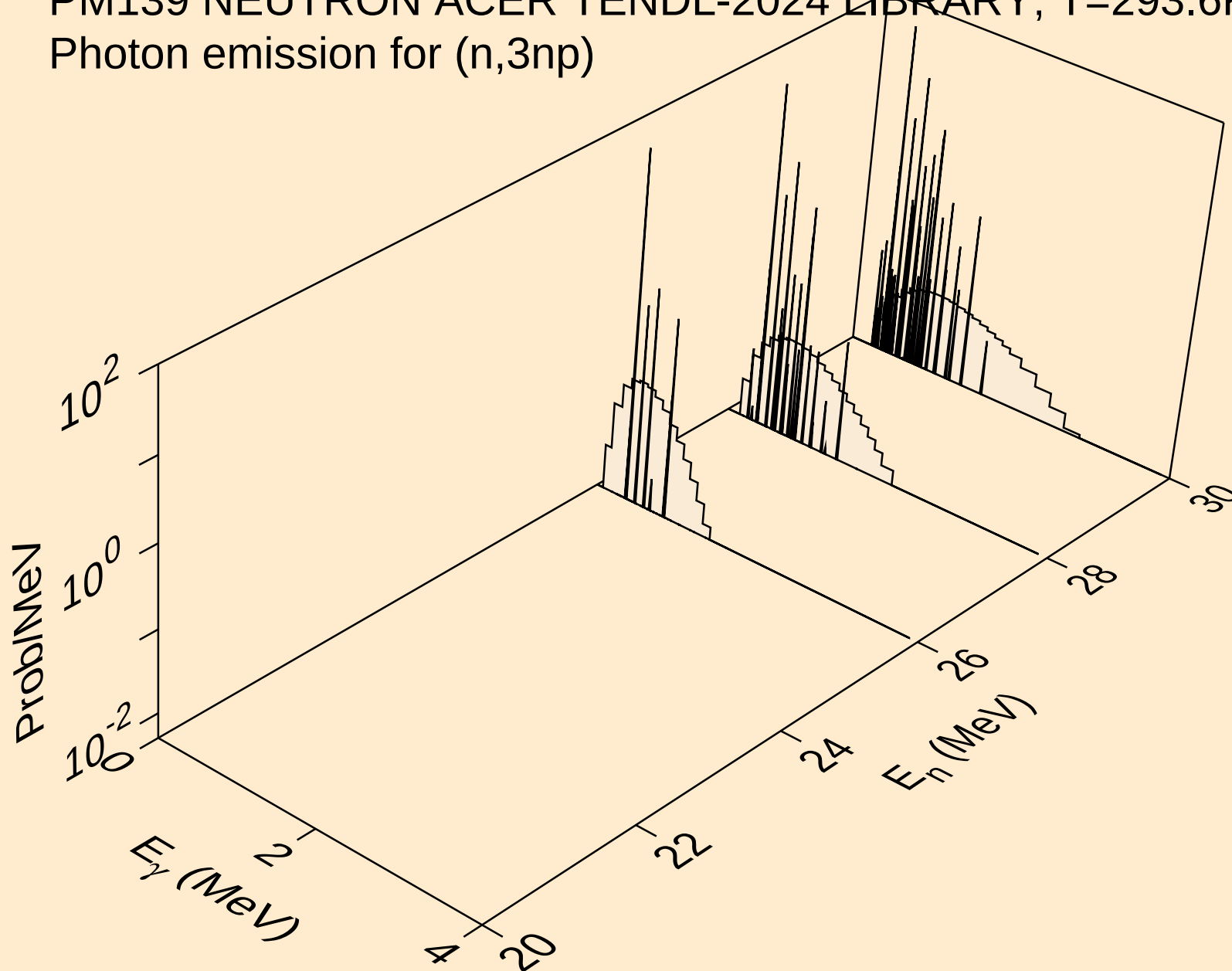
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



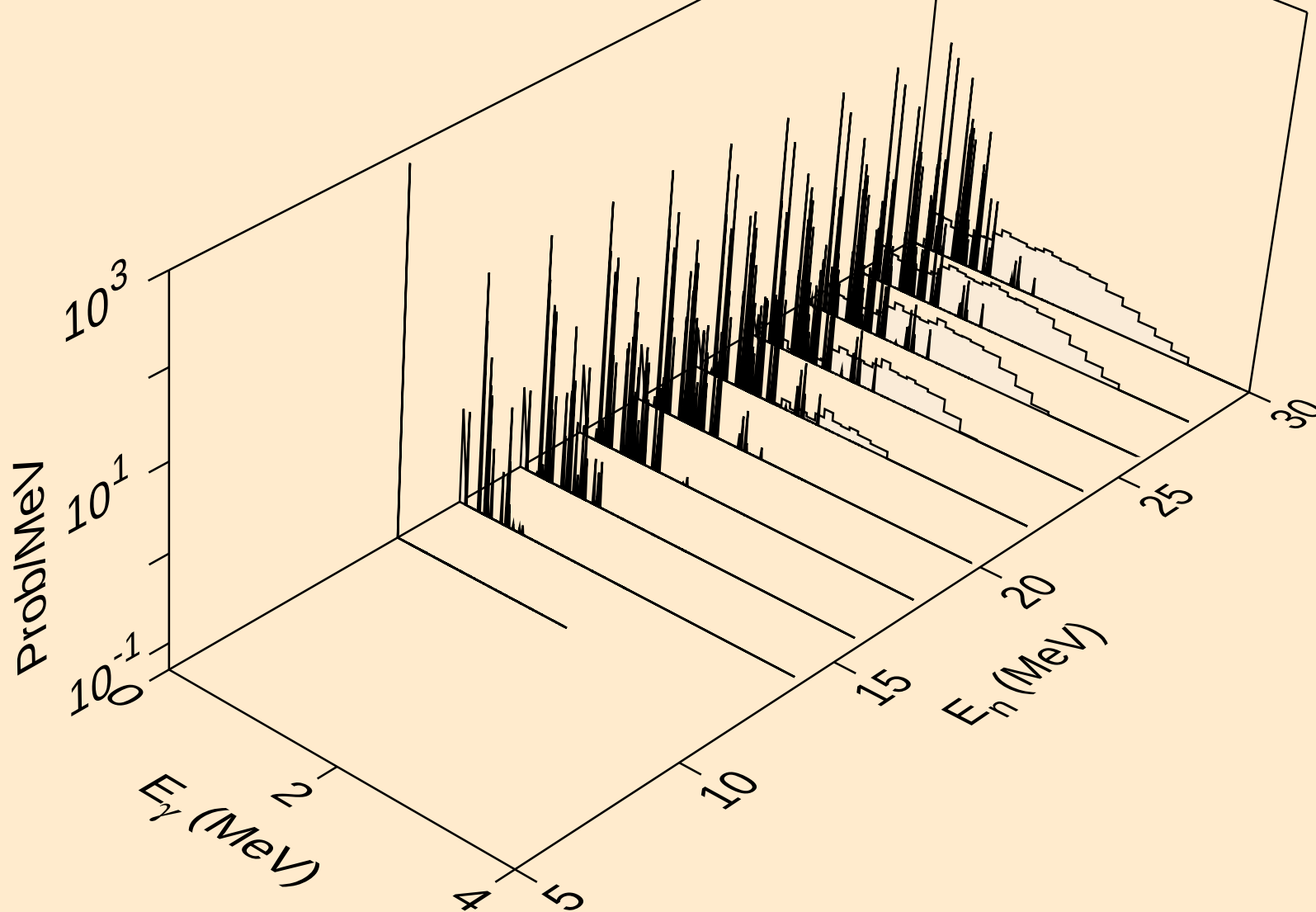
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2np)



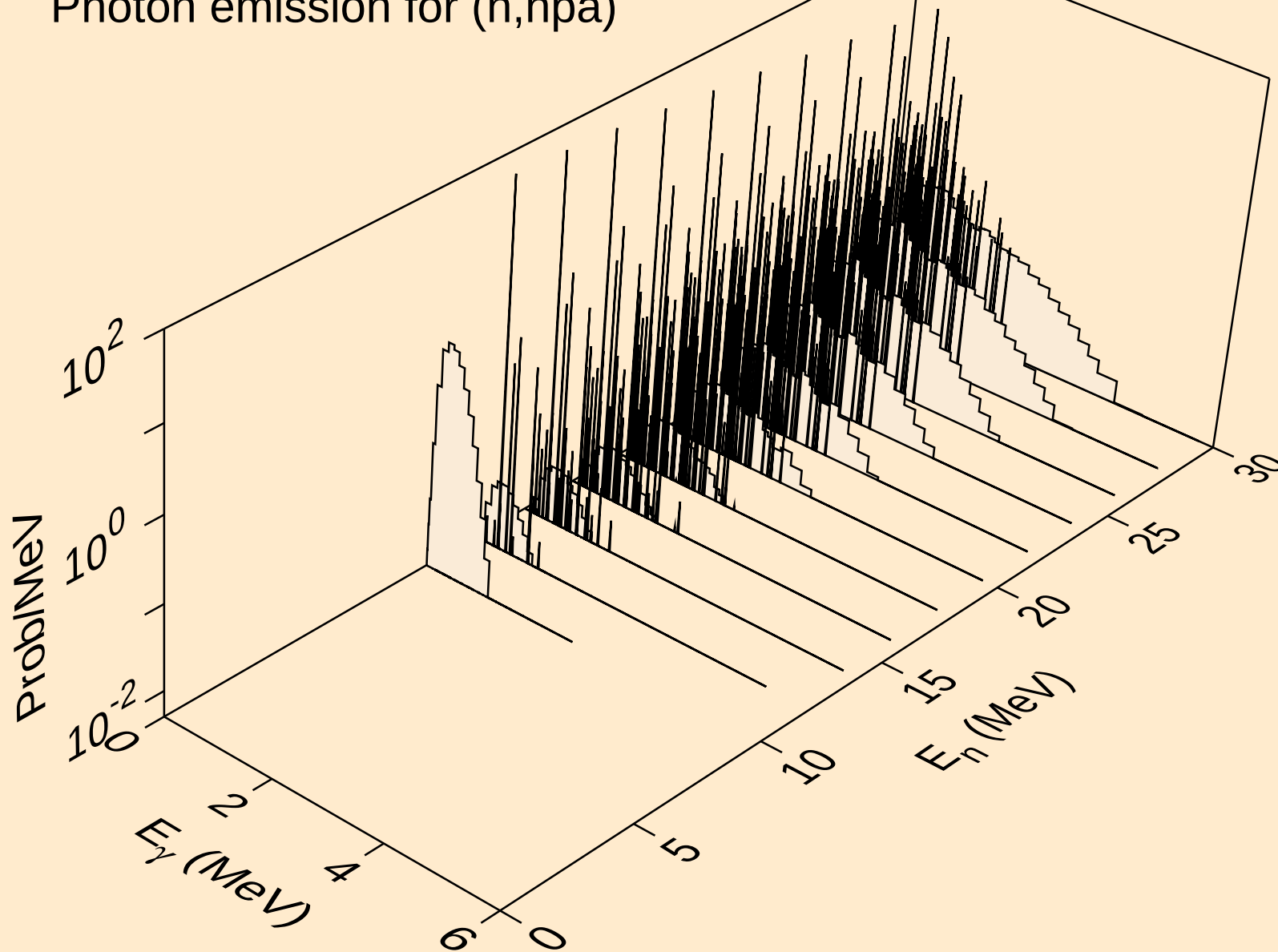
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3np)



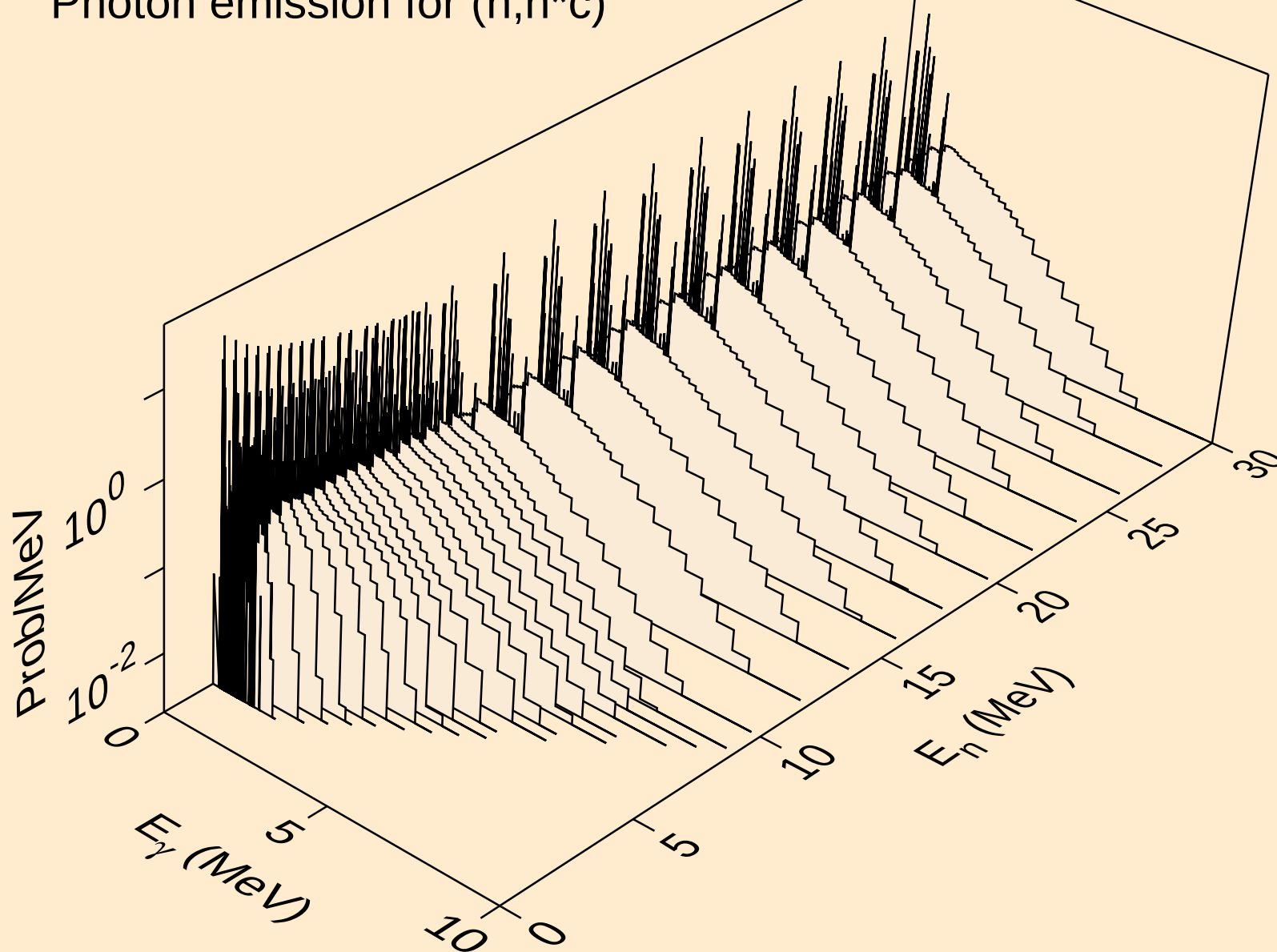
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n2p)



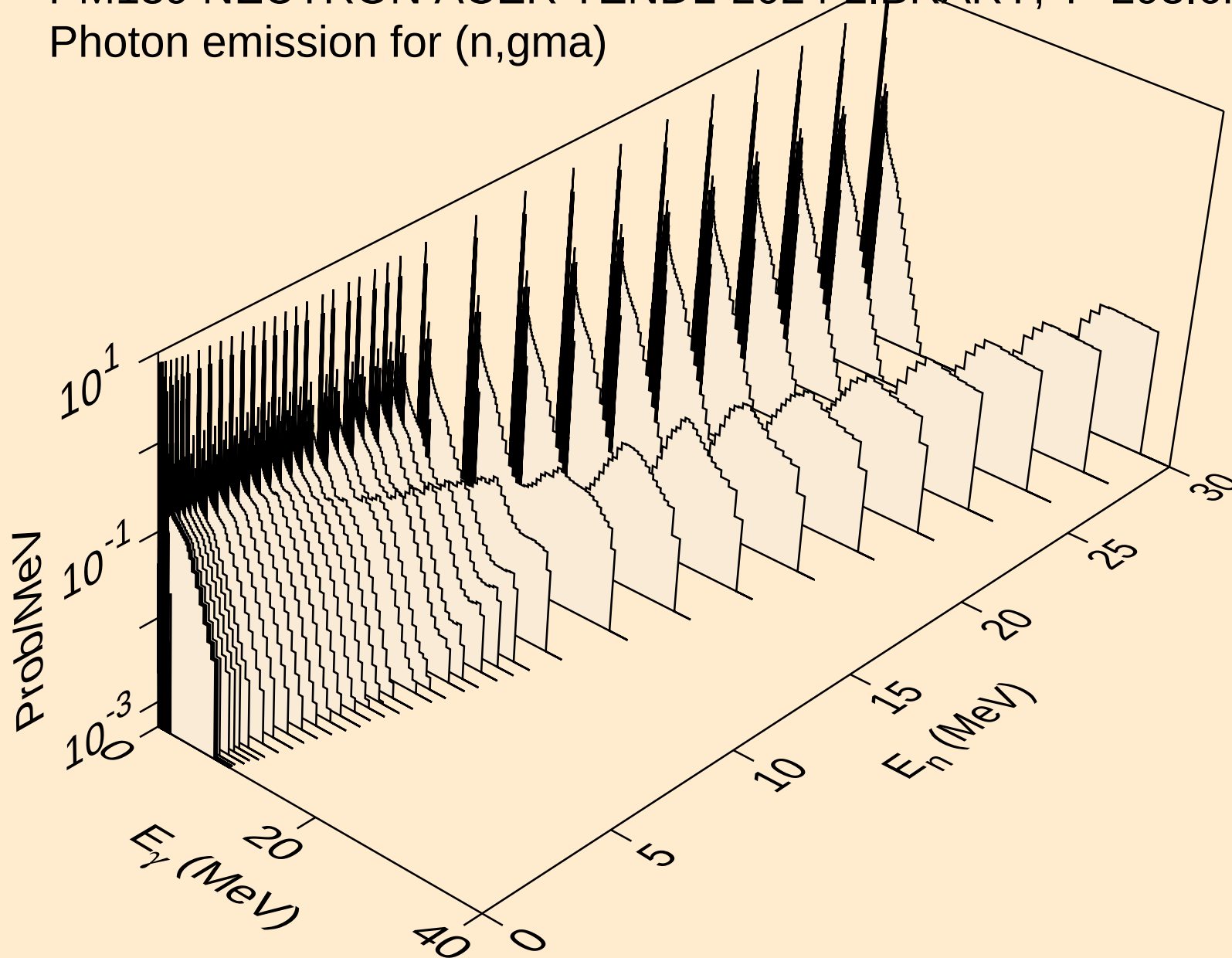
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,npa)



PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)

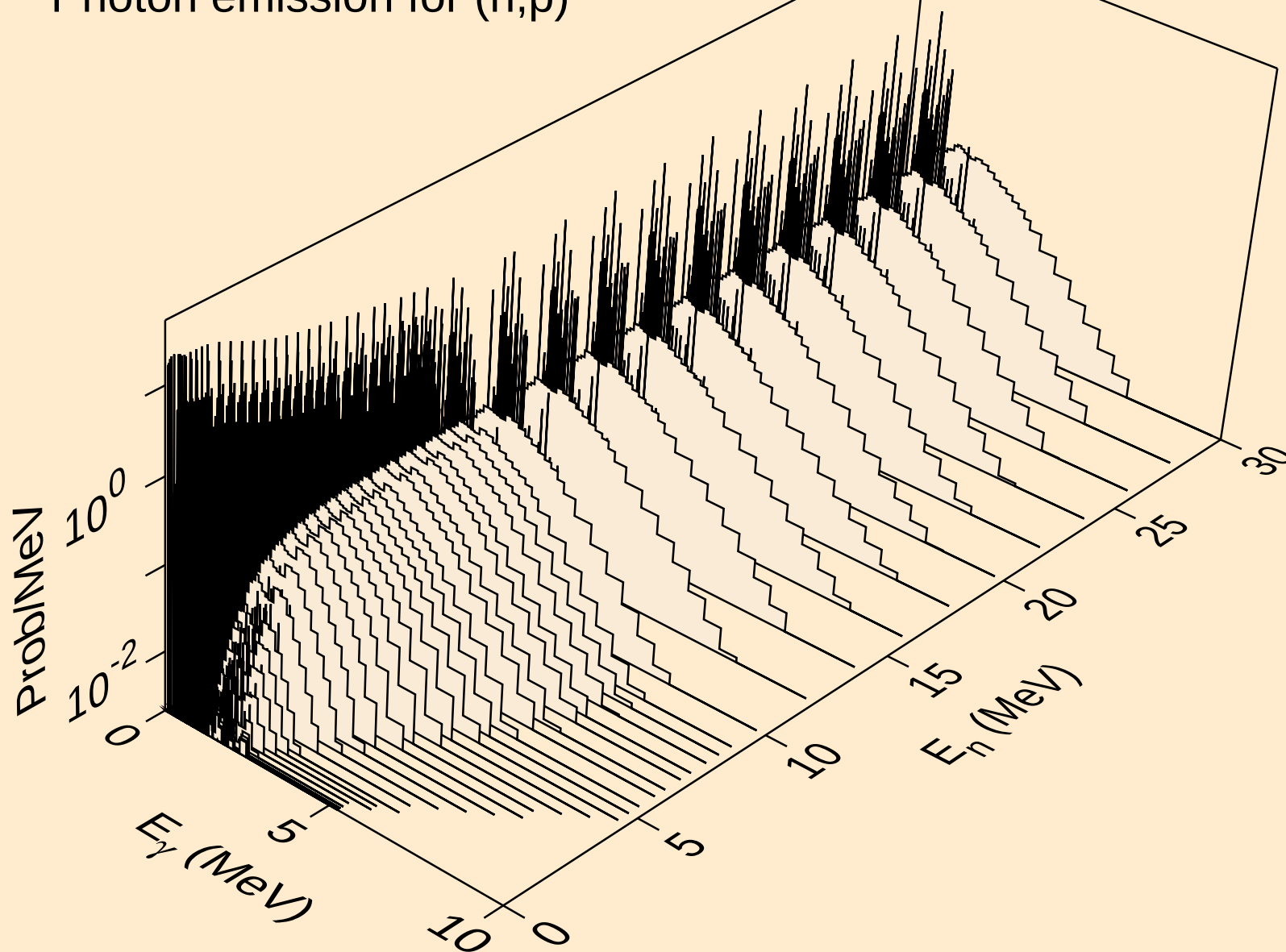


PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,gma)

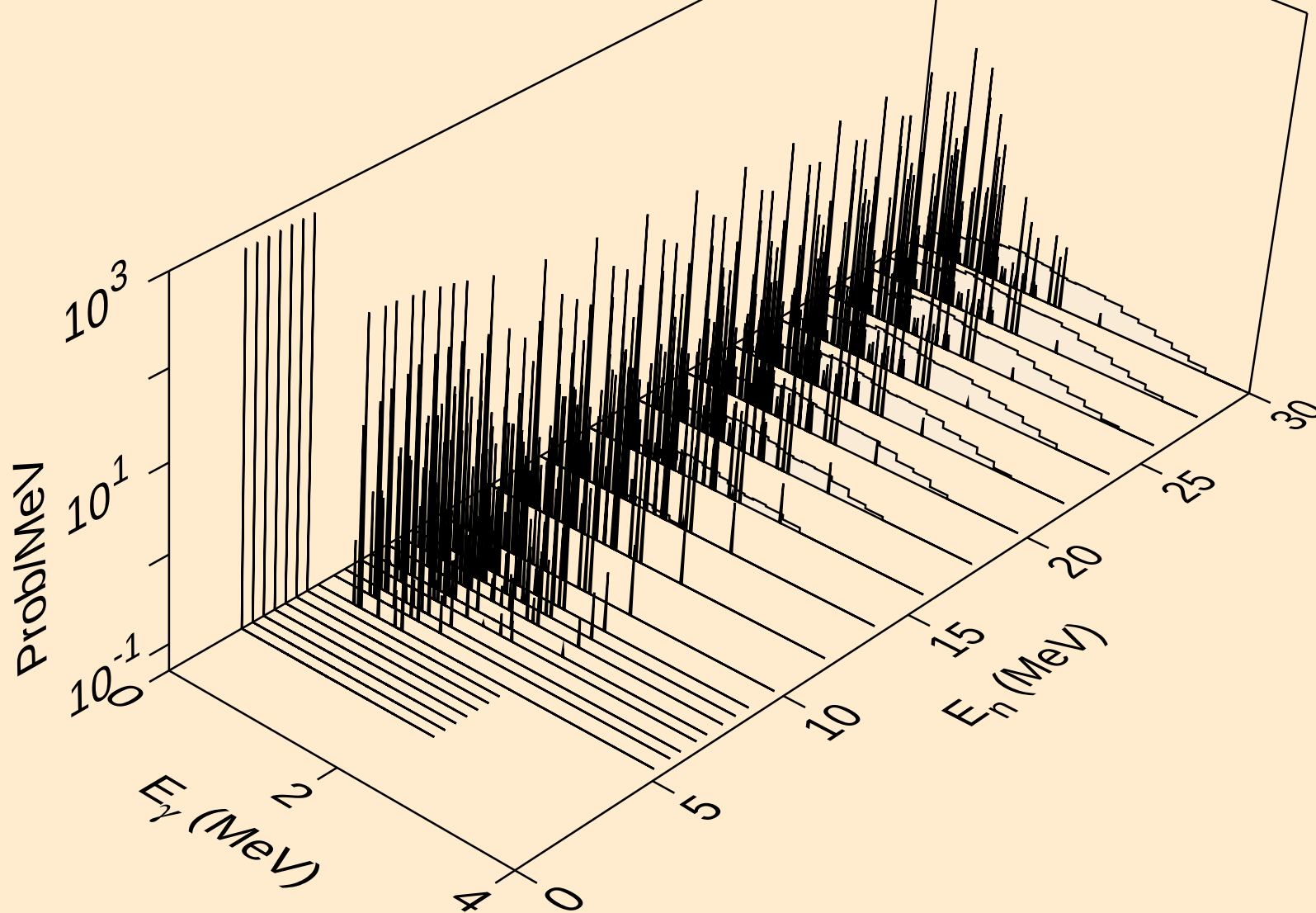




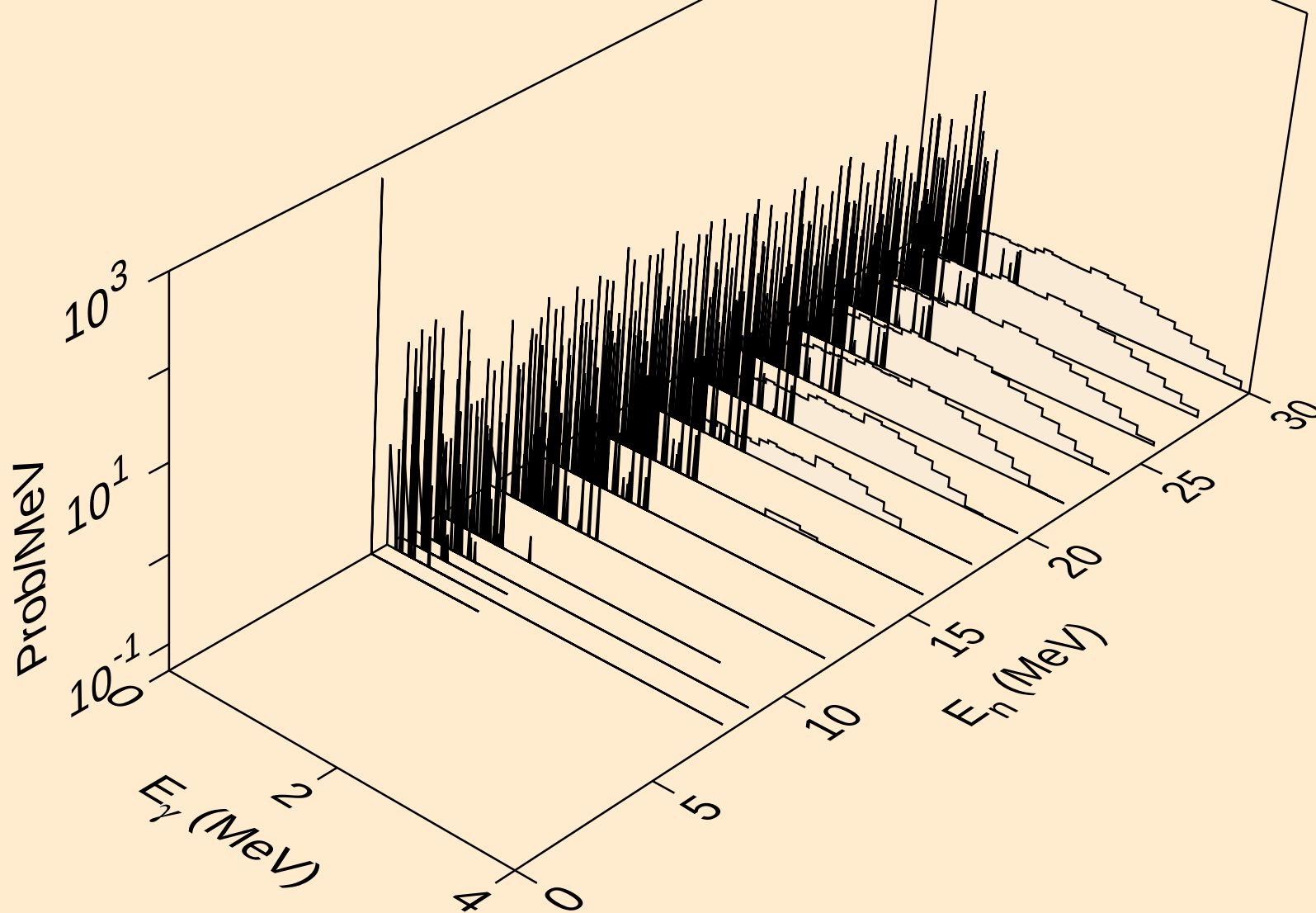
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,p)



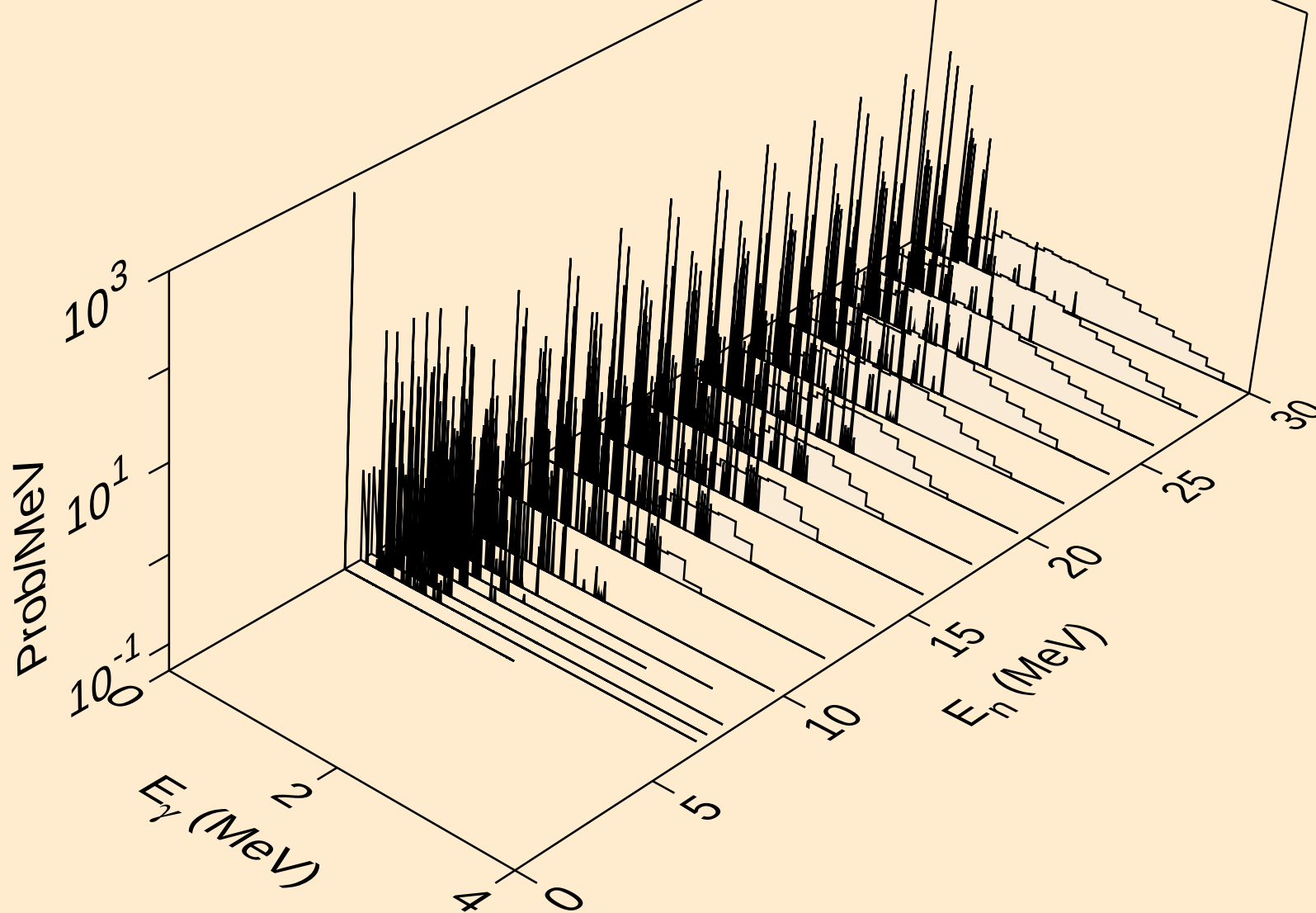
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,d)



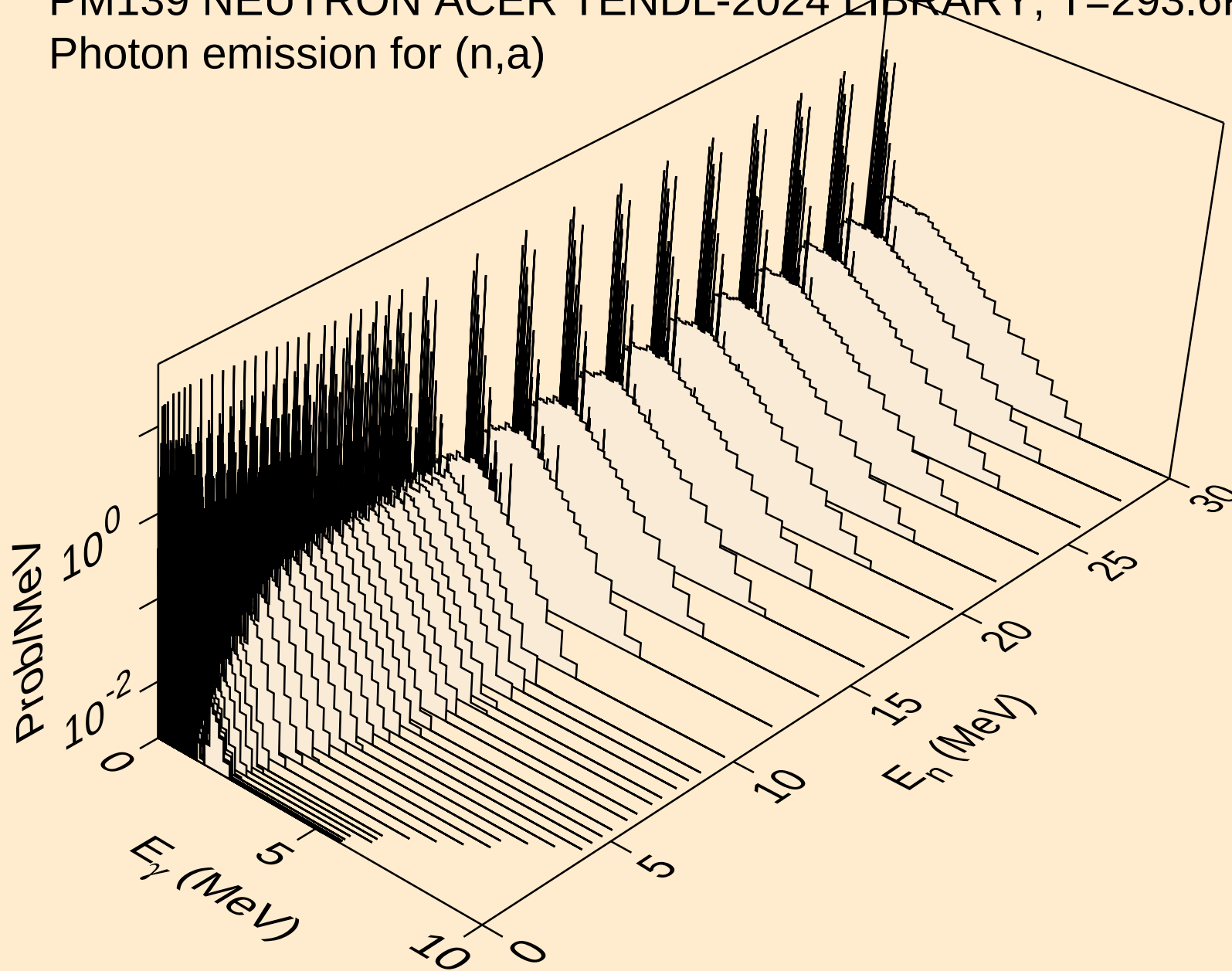
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,t)



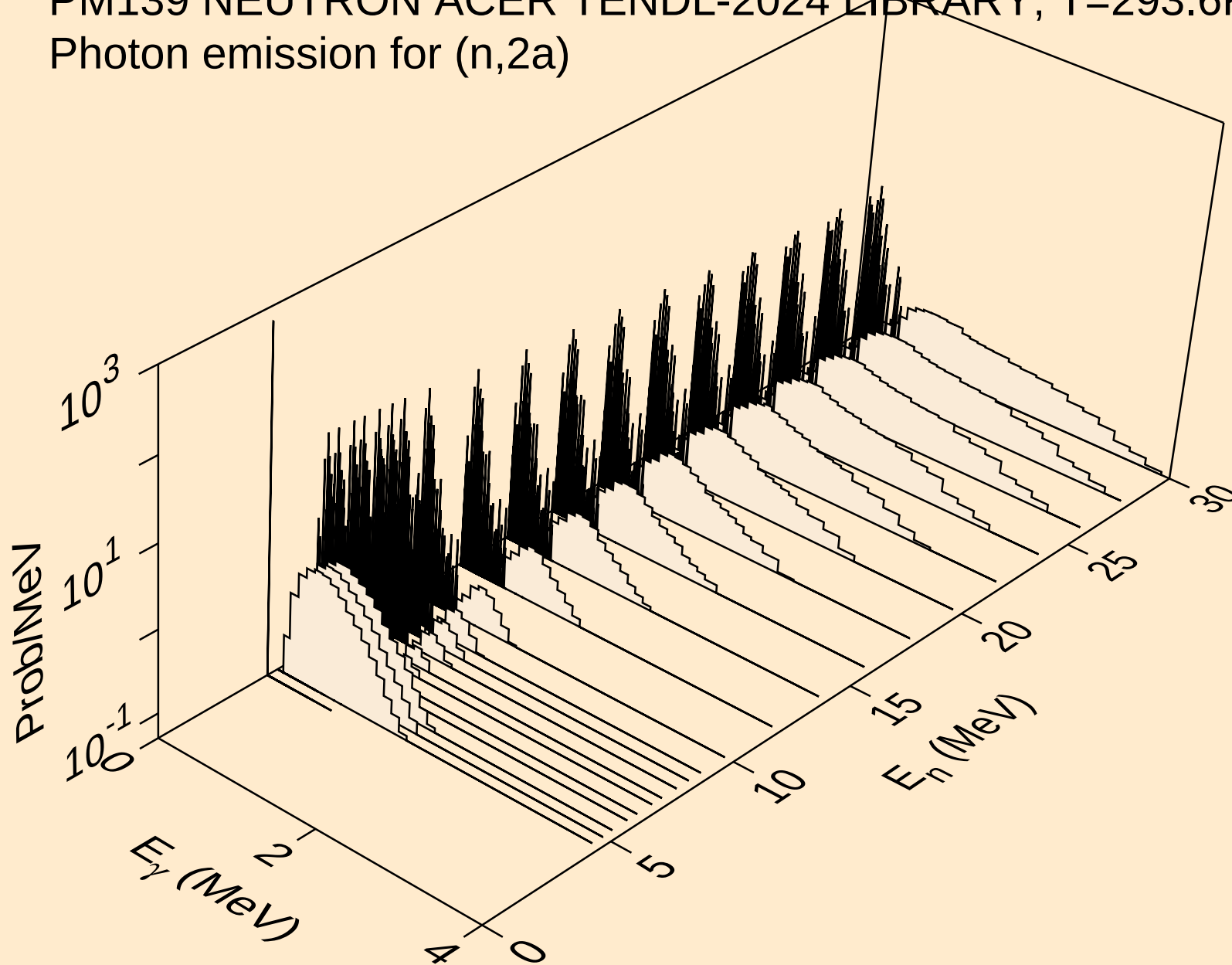
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,he3)



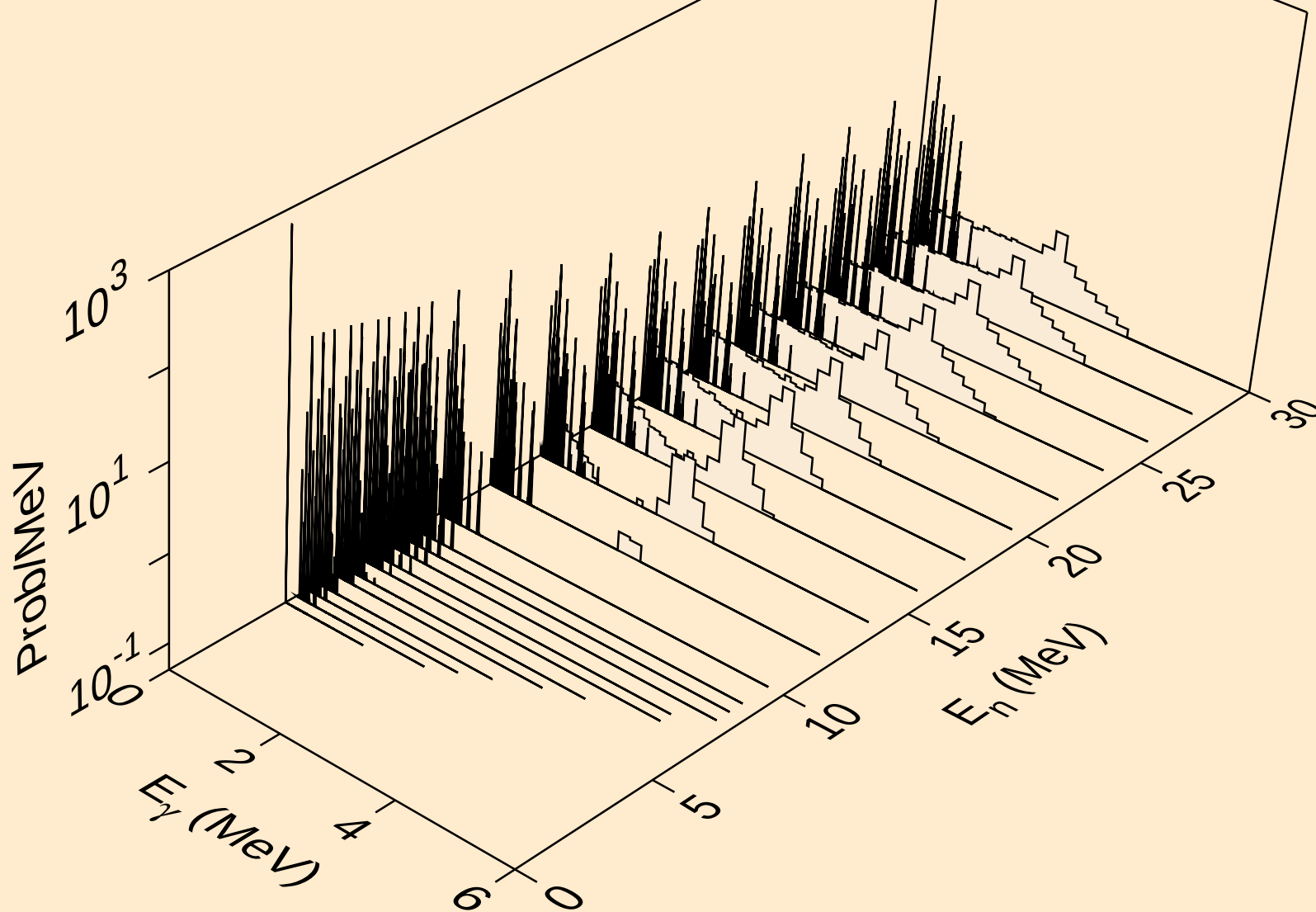
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,a)



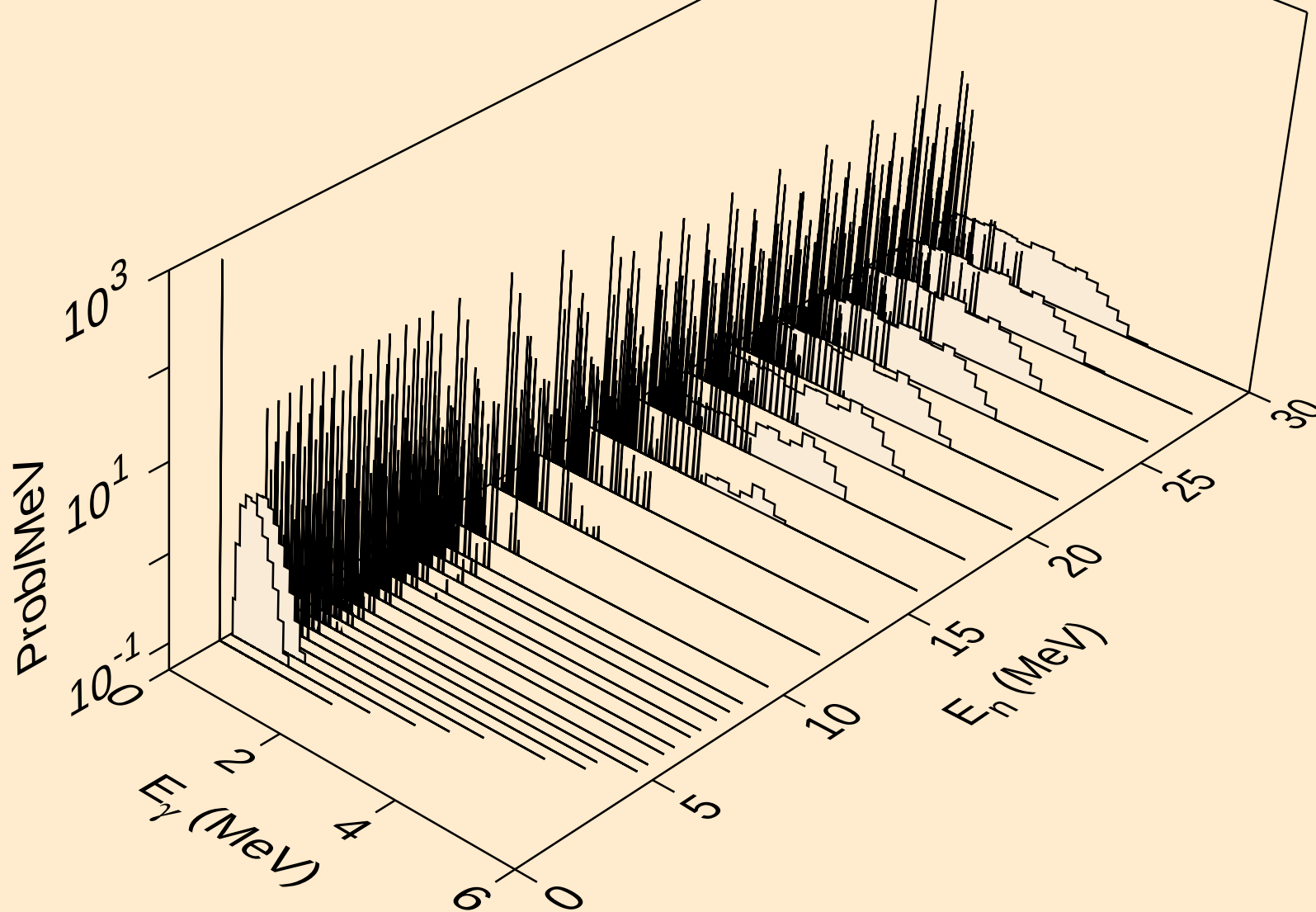
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2a)



PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2p)

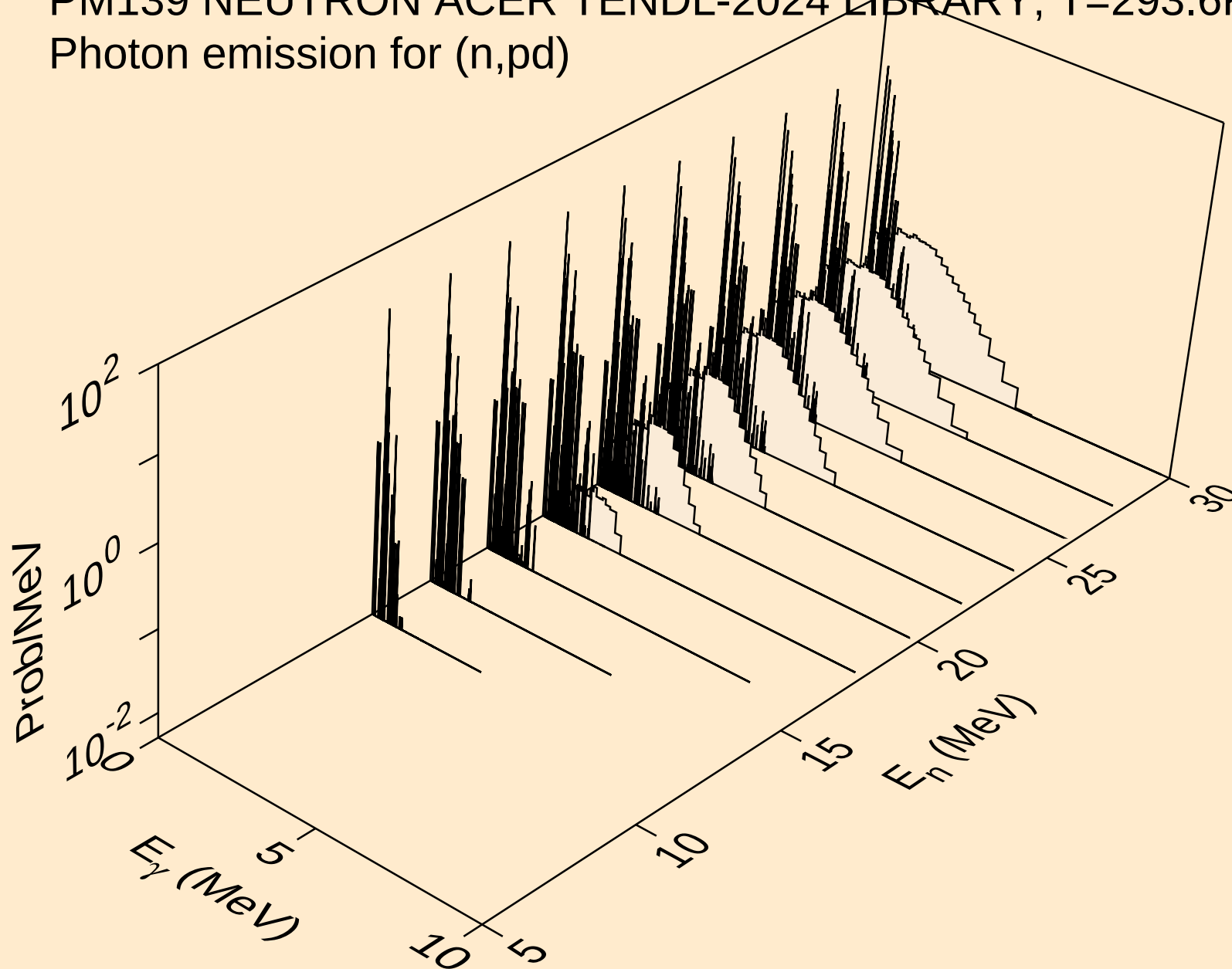


PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,p $\alpha$ )

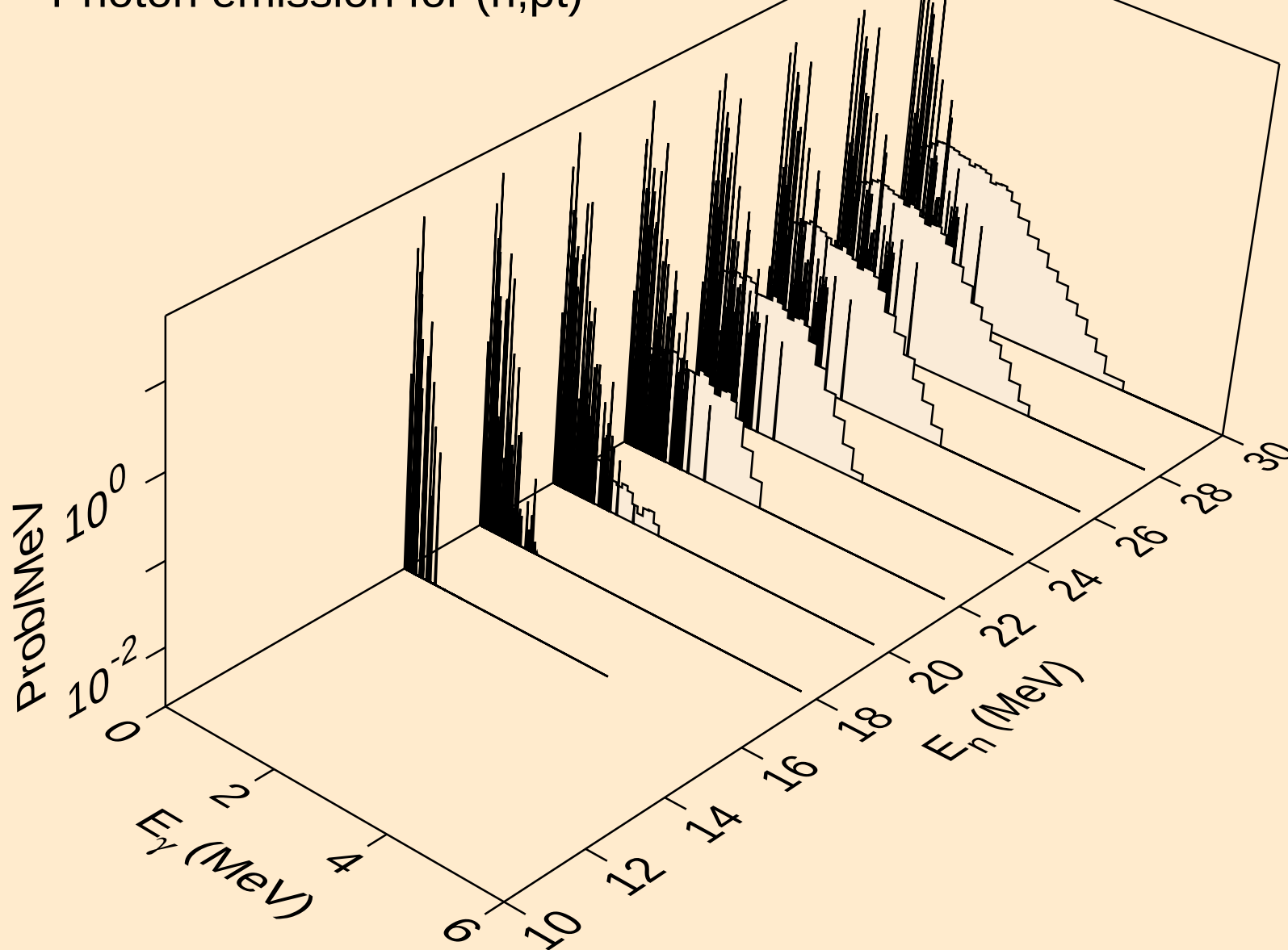




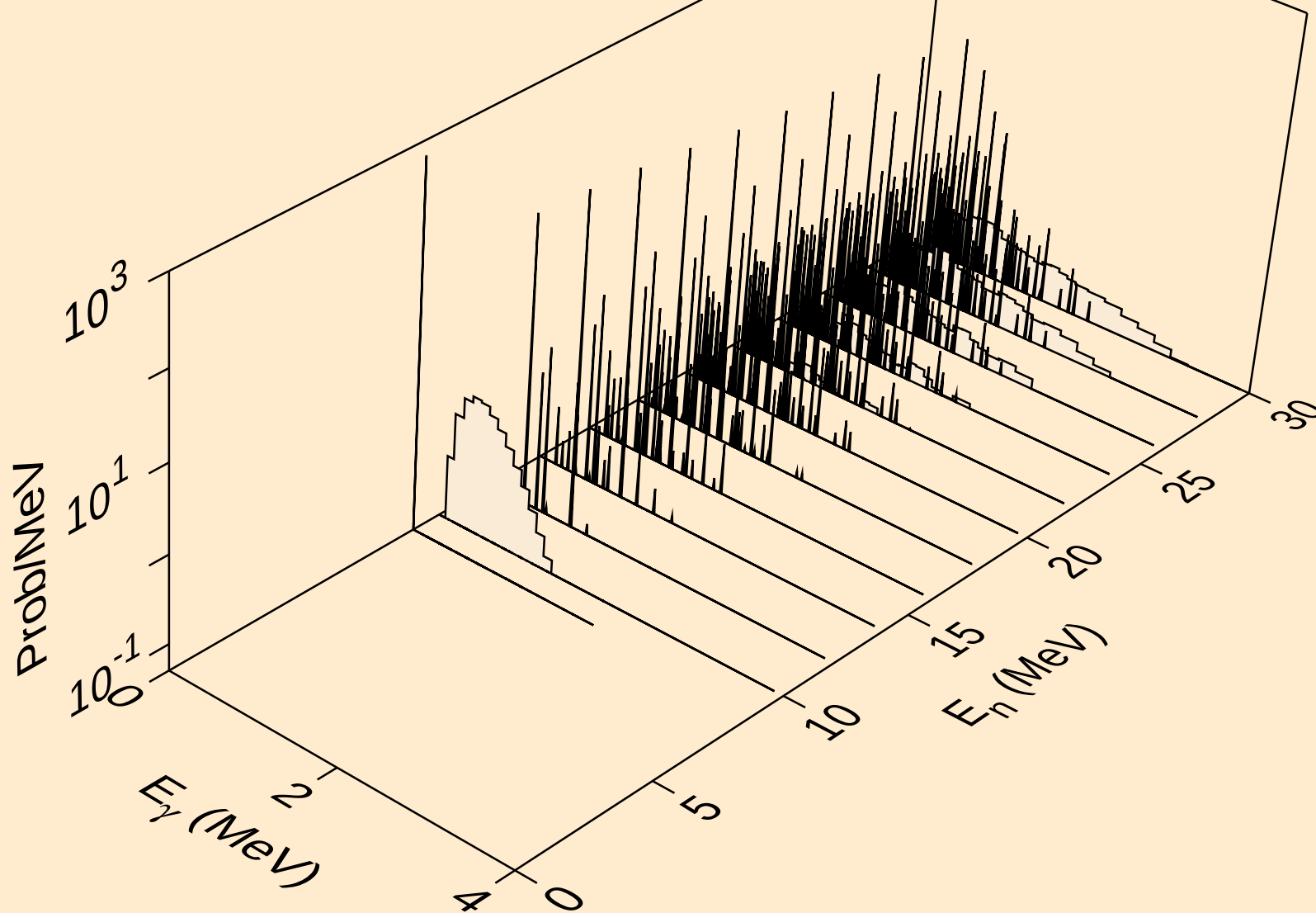
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,pd)



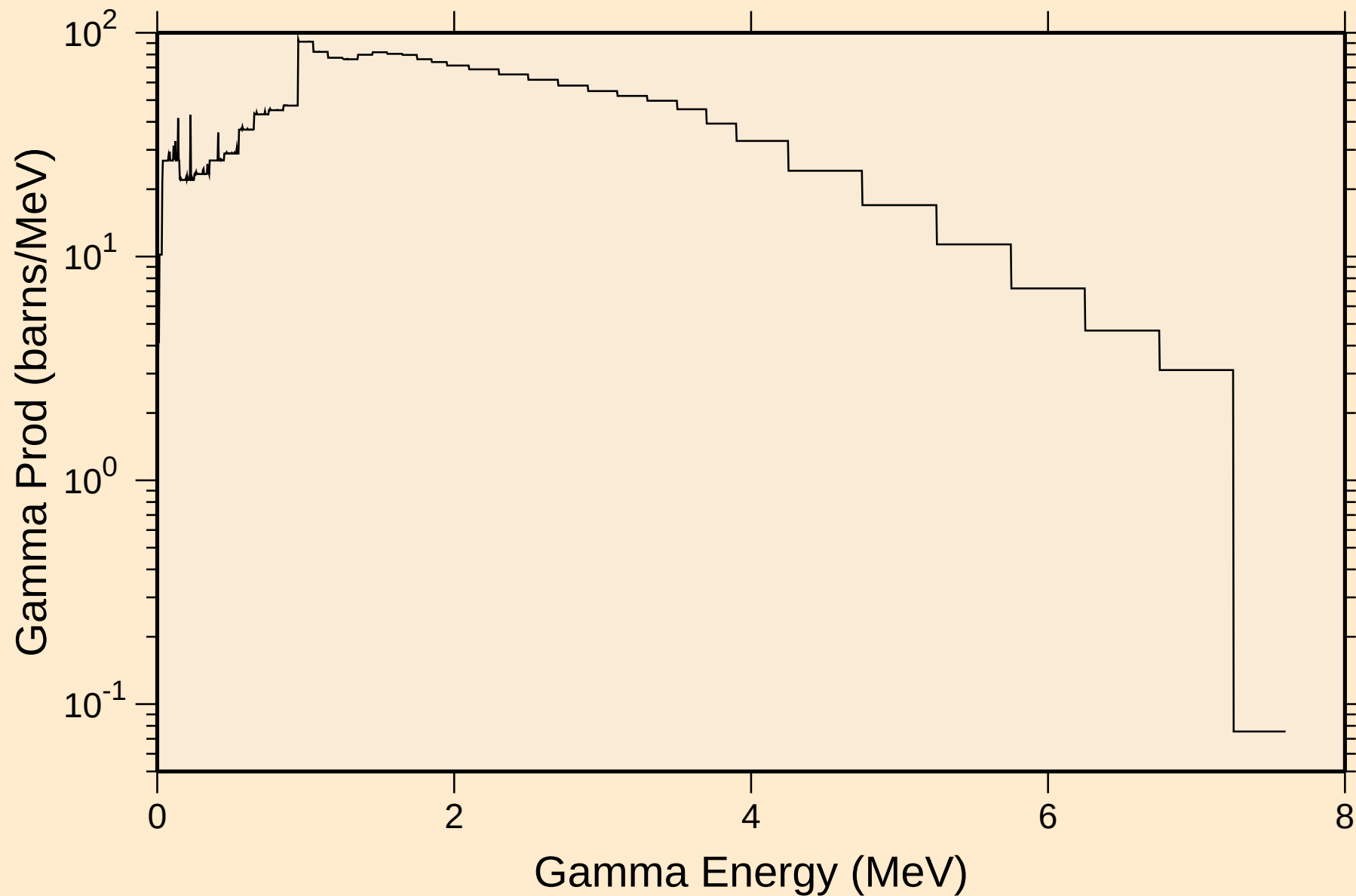
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,pt)



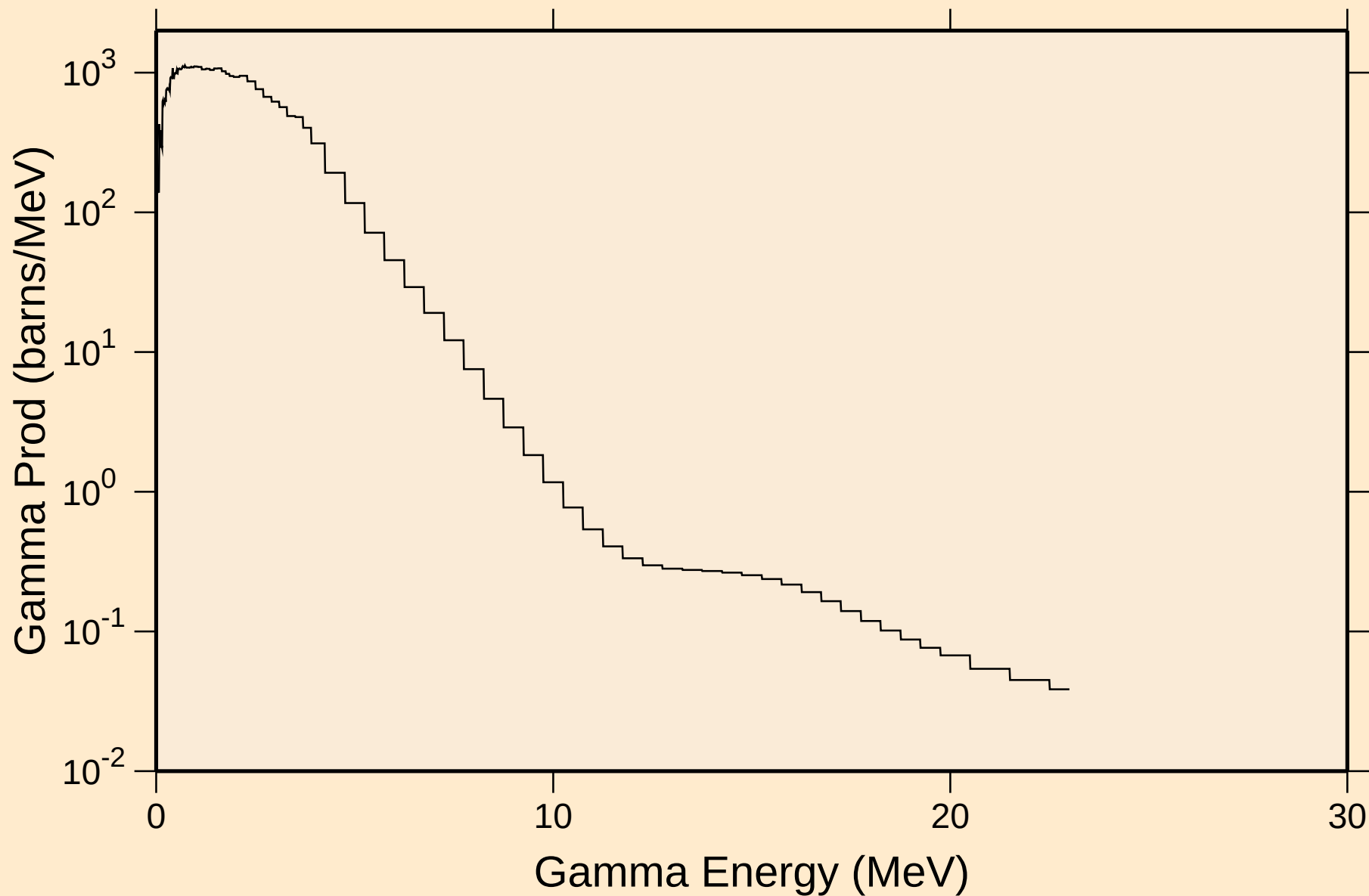
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,da)



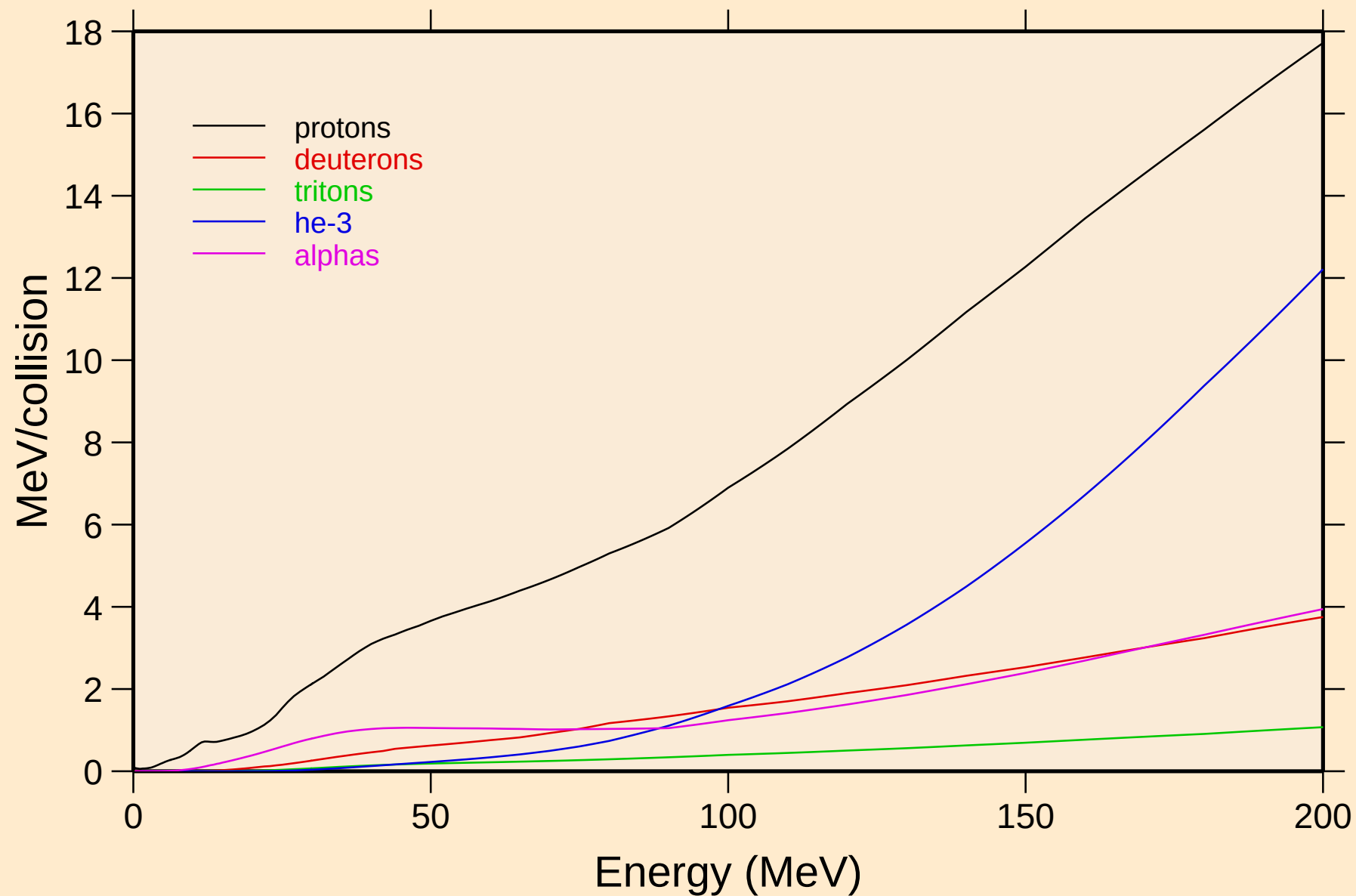
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
thermal capture photon spectrum



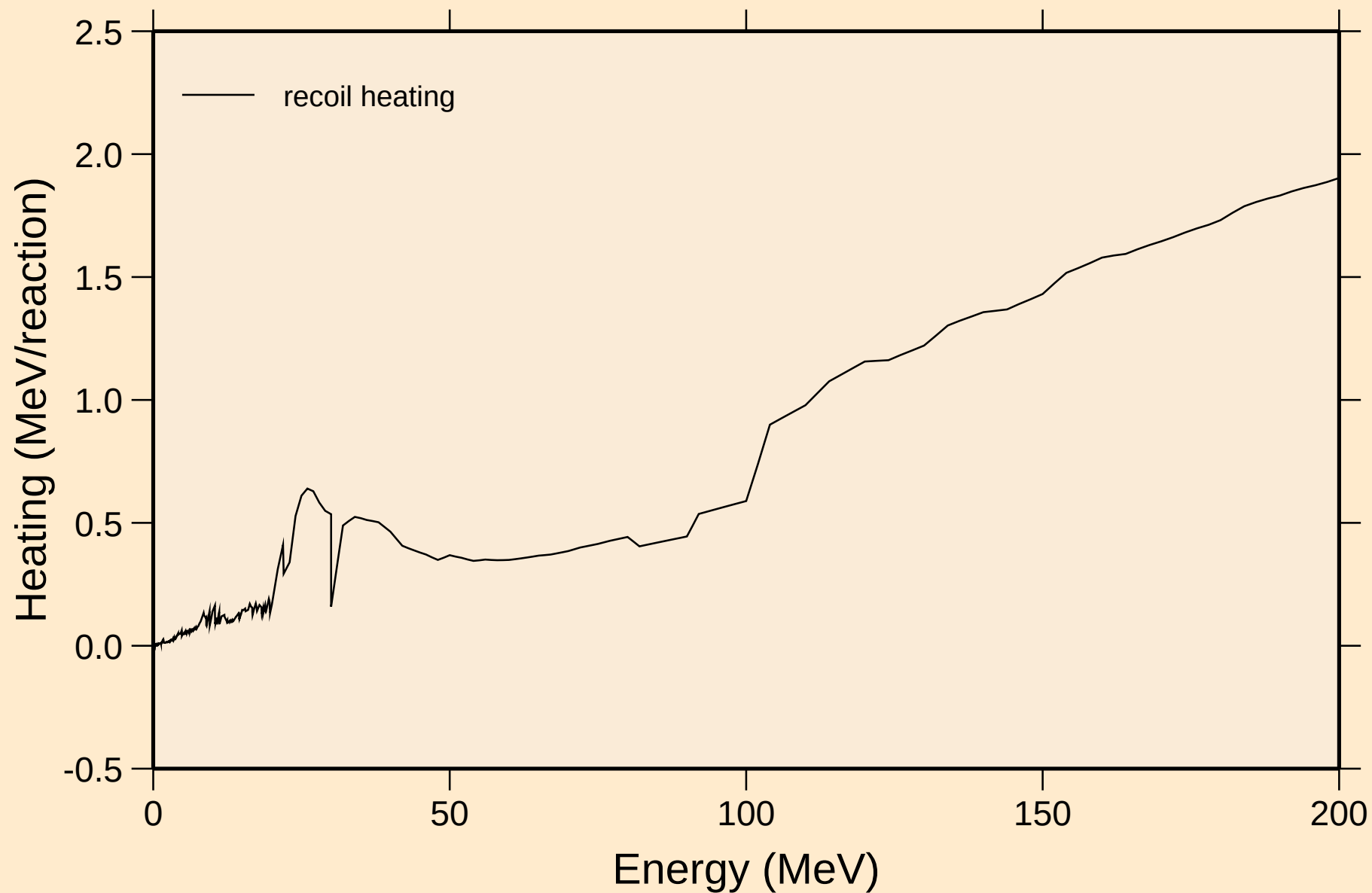
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
14 MeV photon spectrum



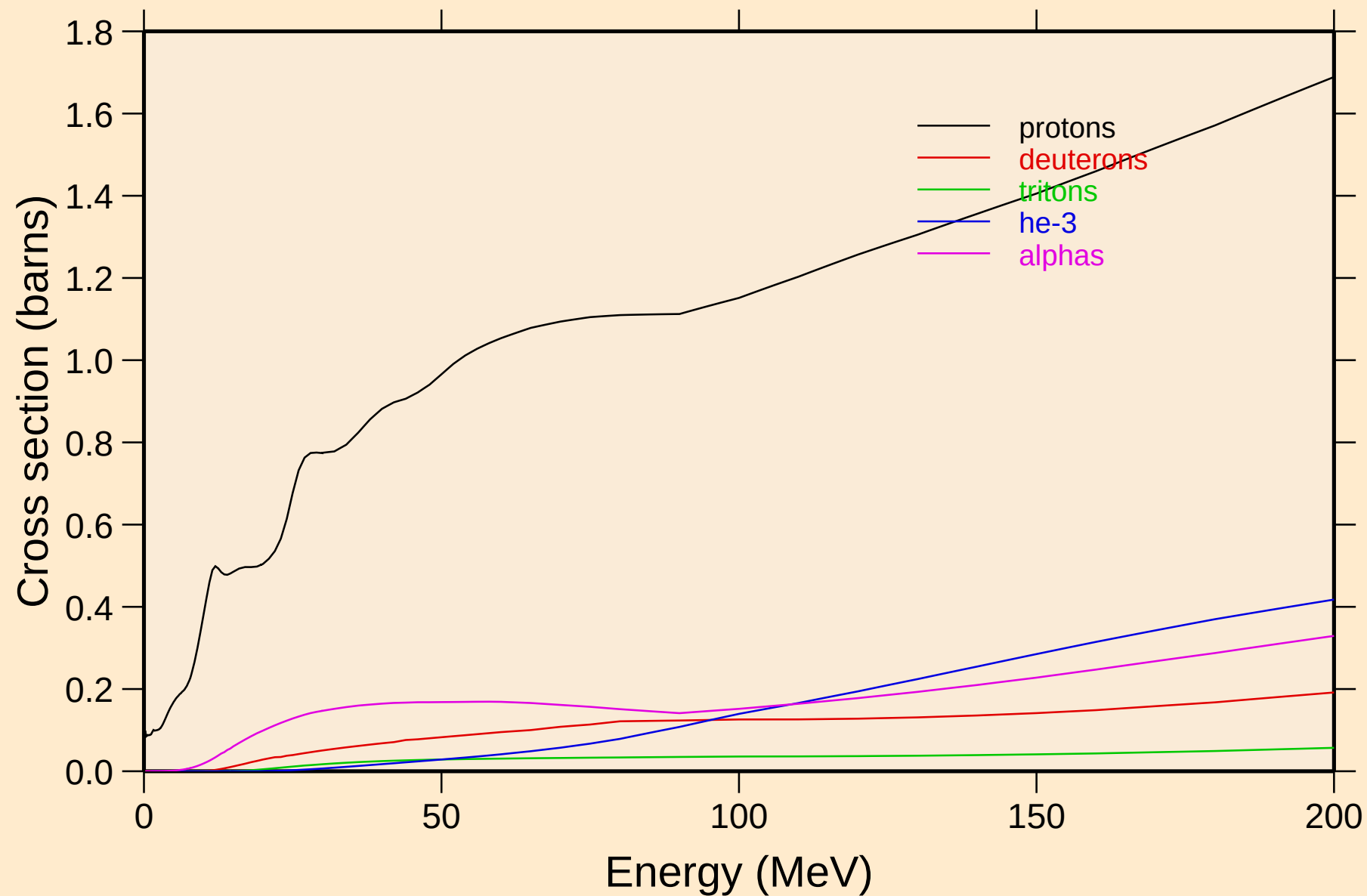
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Particle heating contributions



PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Recoil Heating

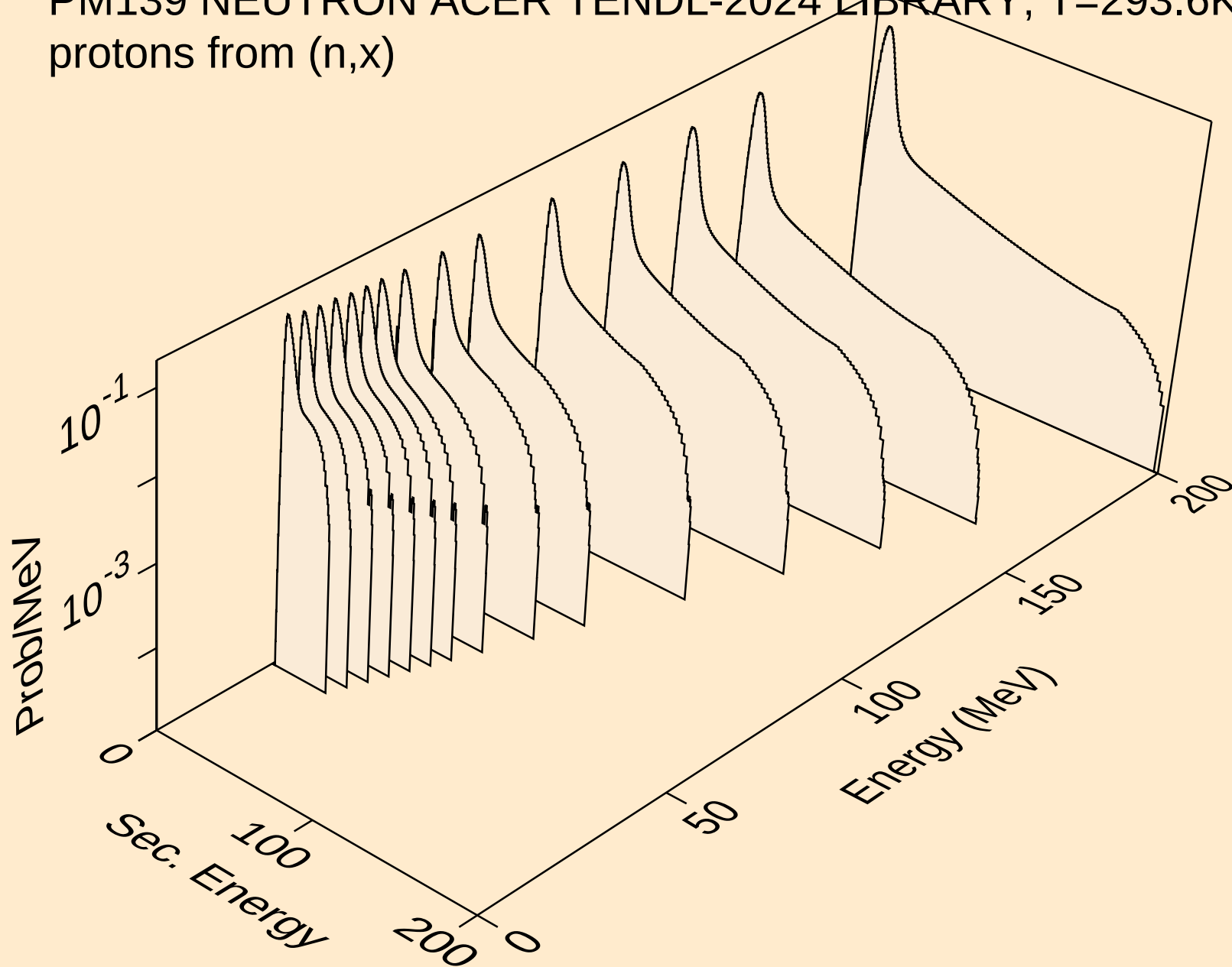


PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Particle production cross sections

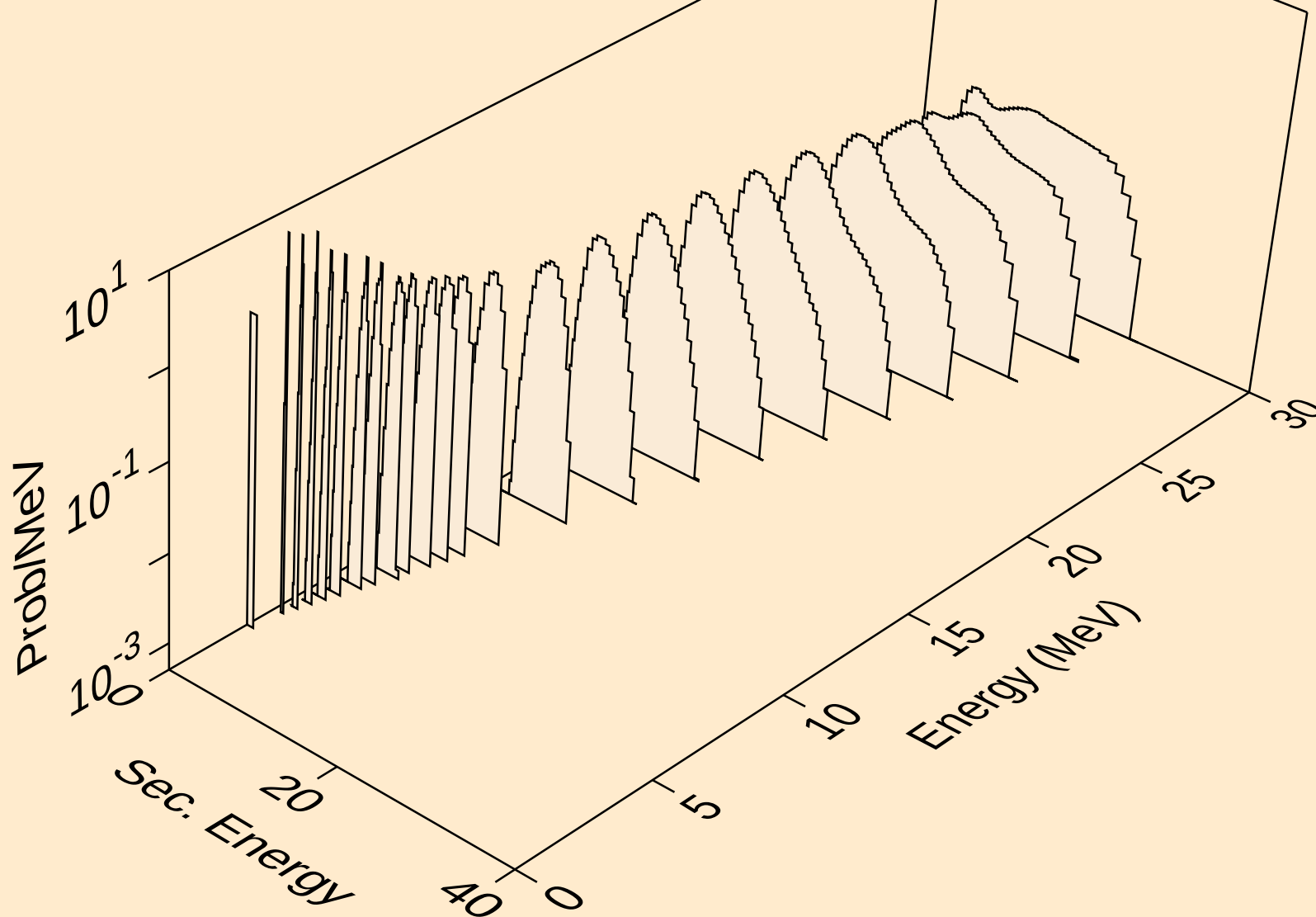




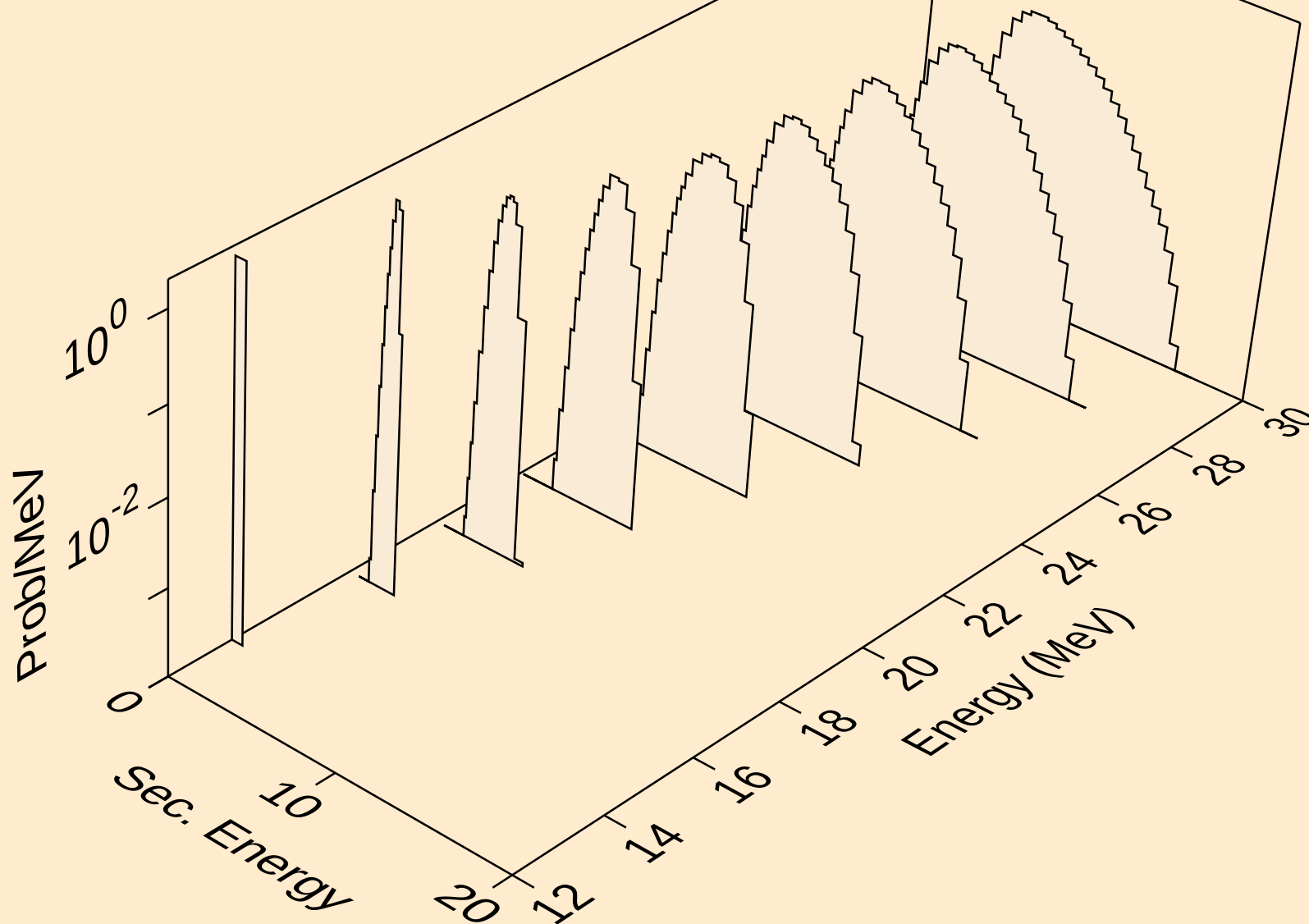
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,x)



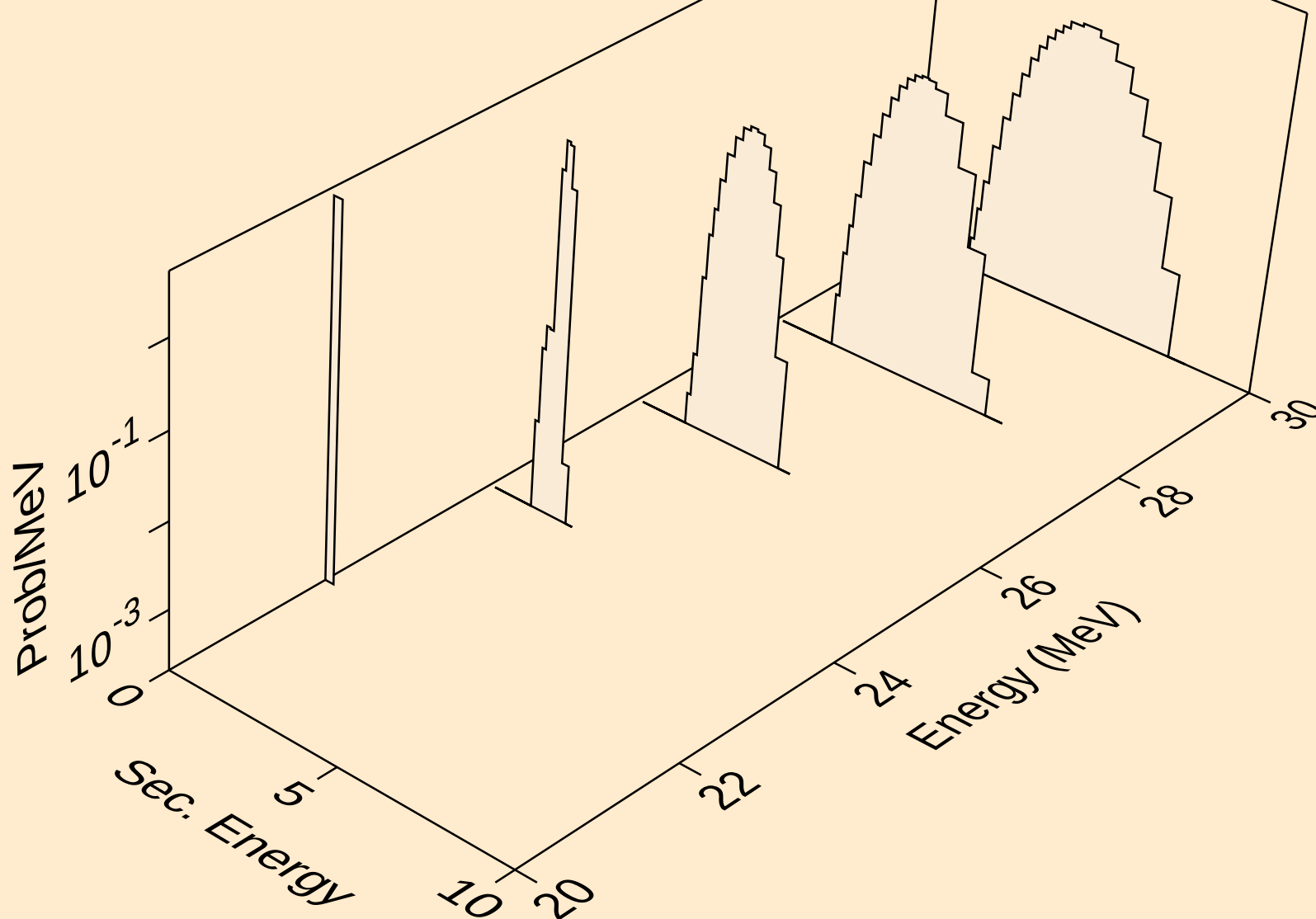
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,n\*)p



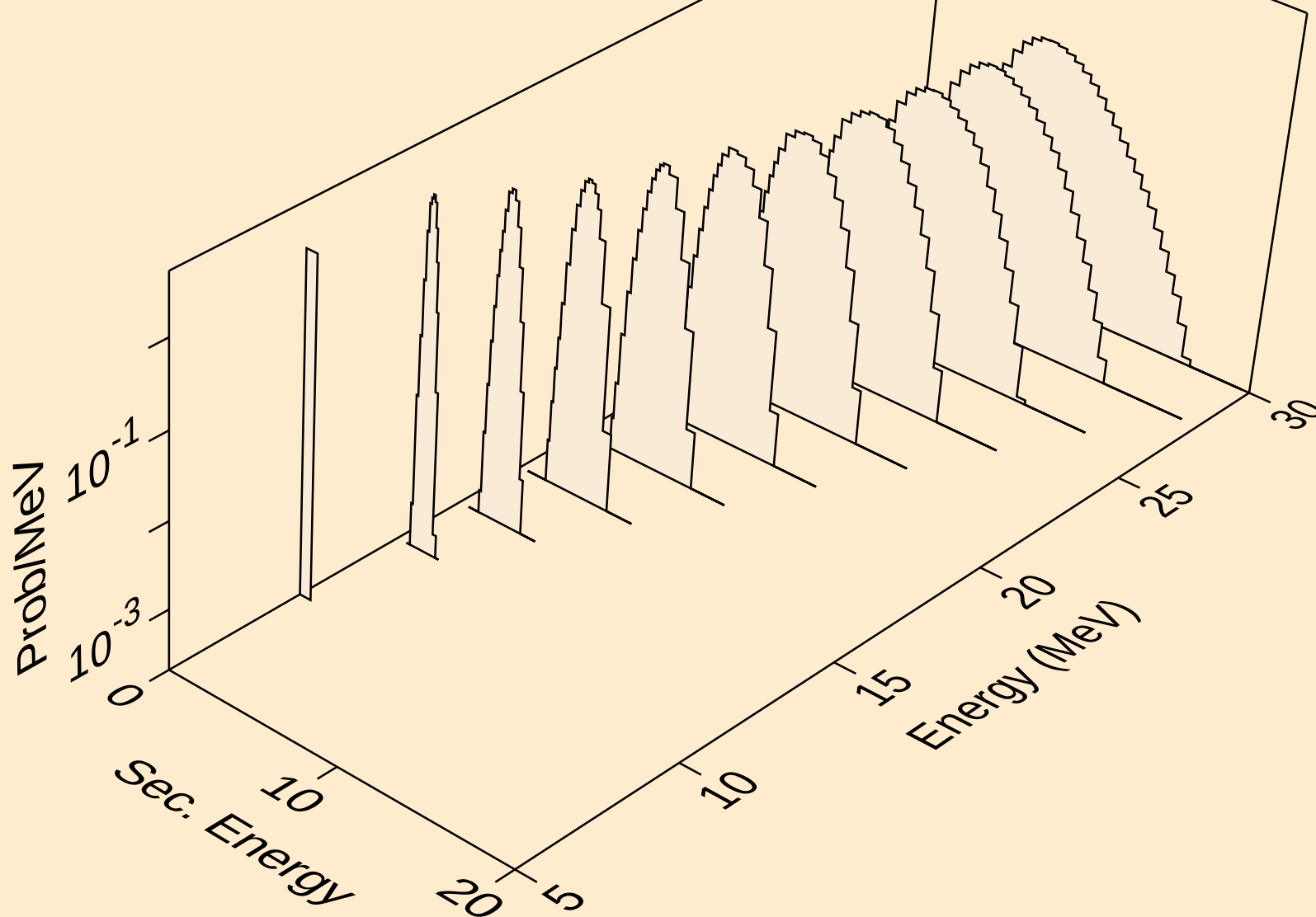
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,2np)



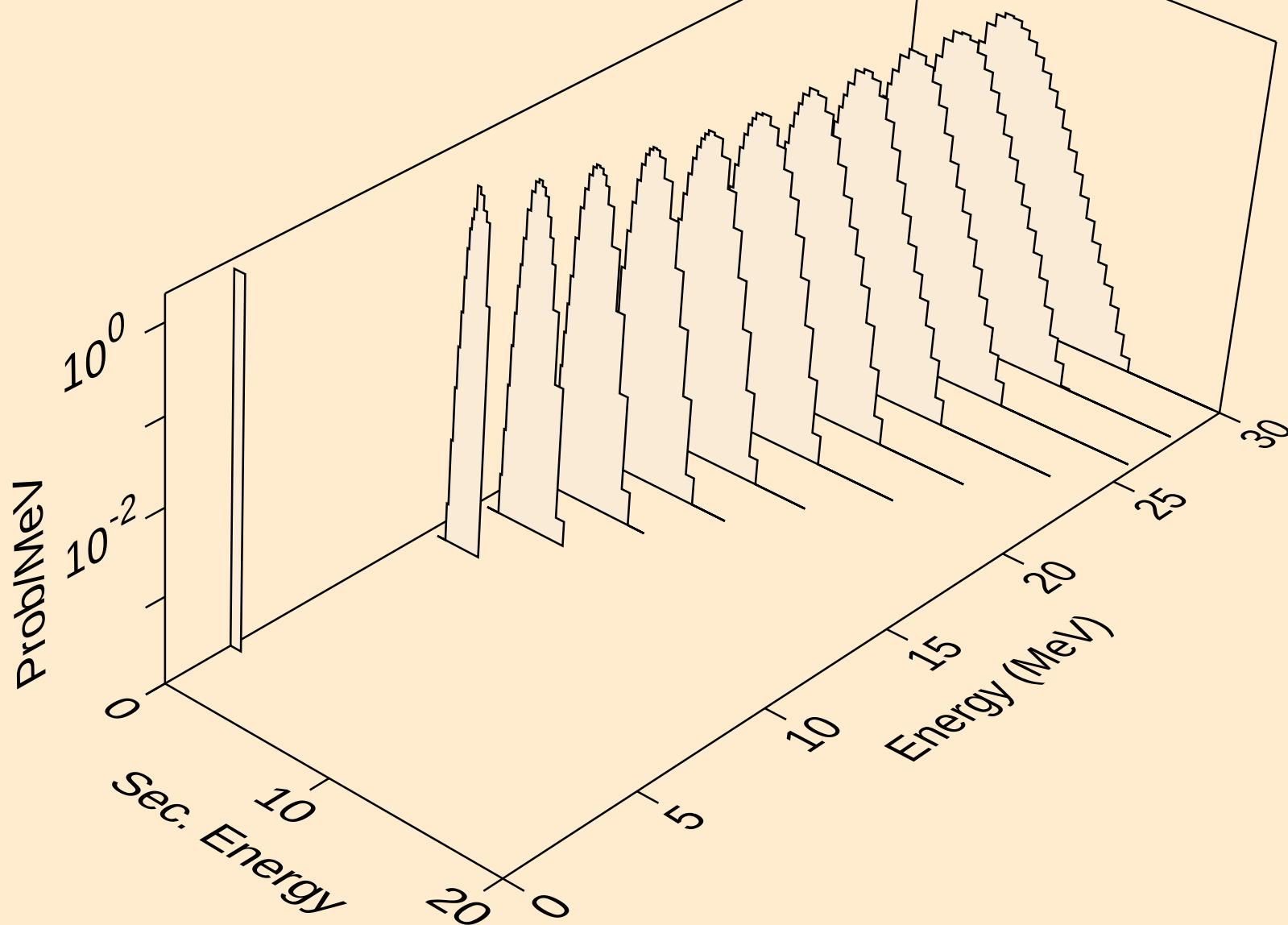
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,3np)



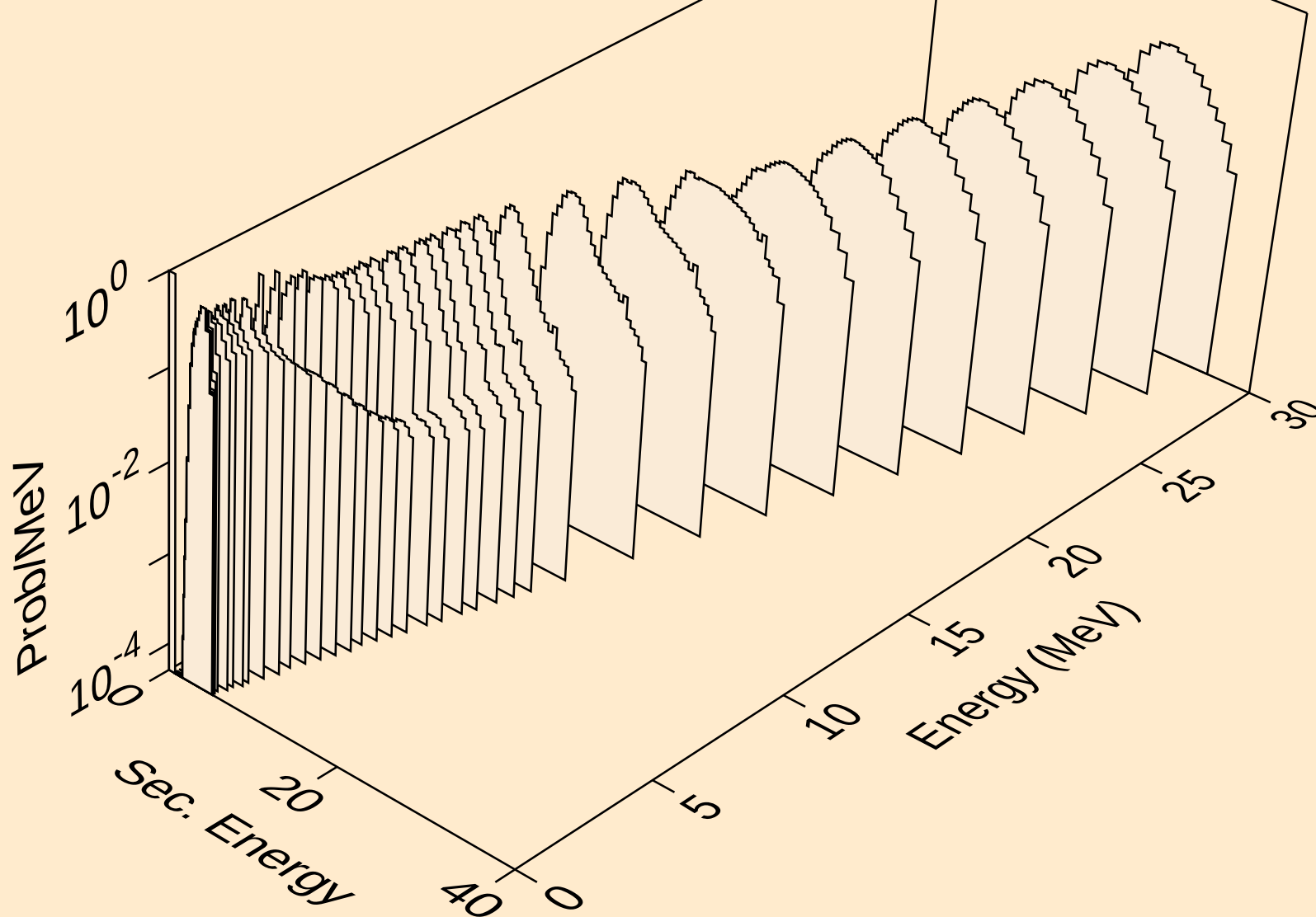
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,n2p)



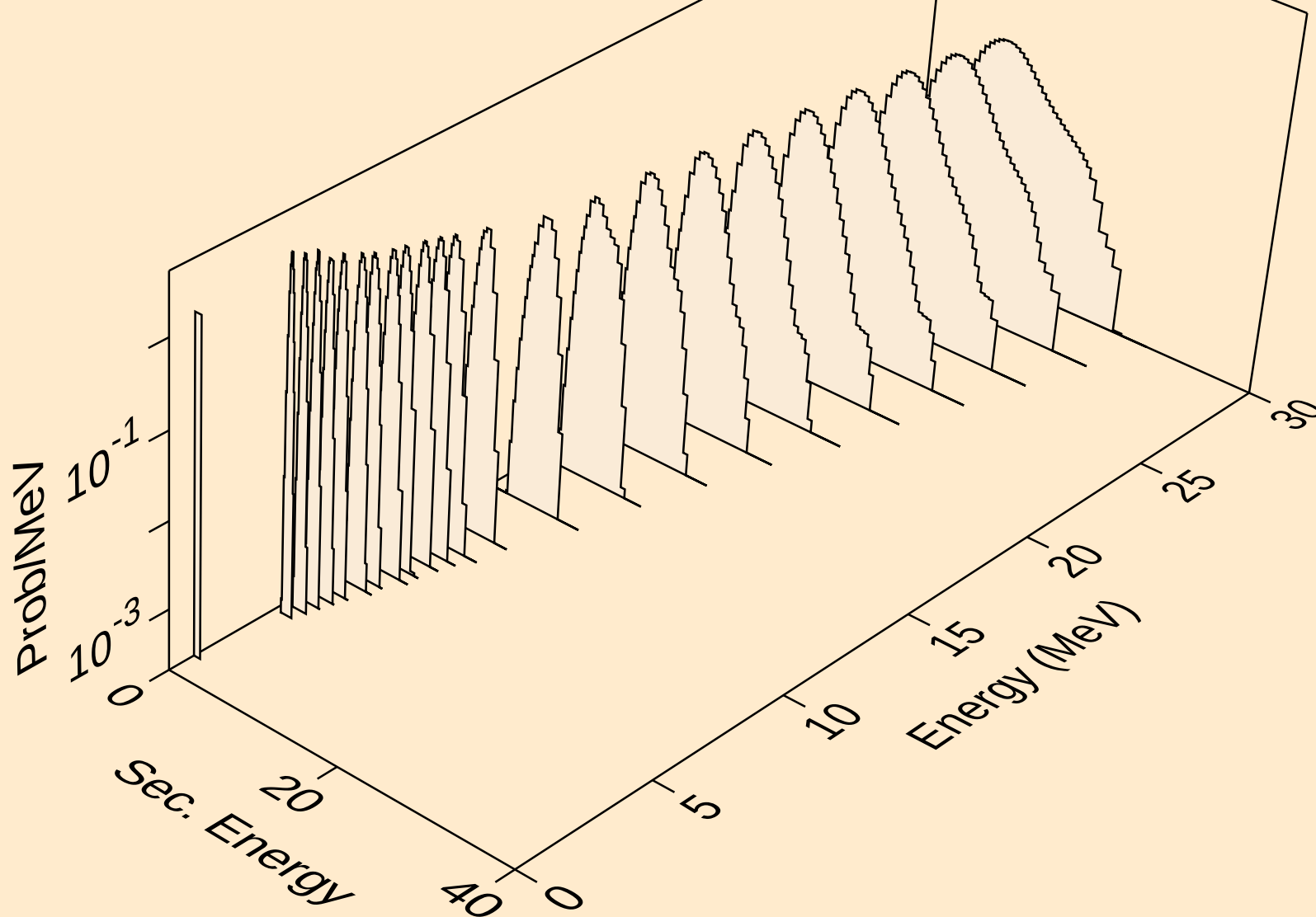
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,npa)



PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,p)

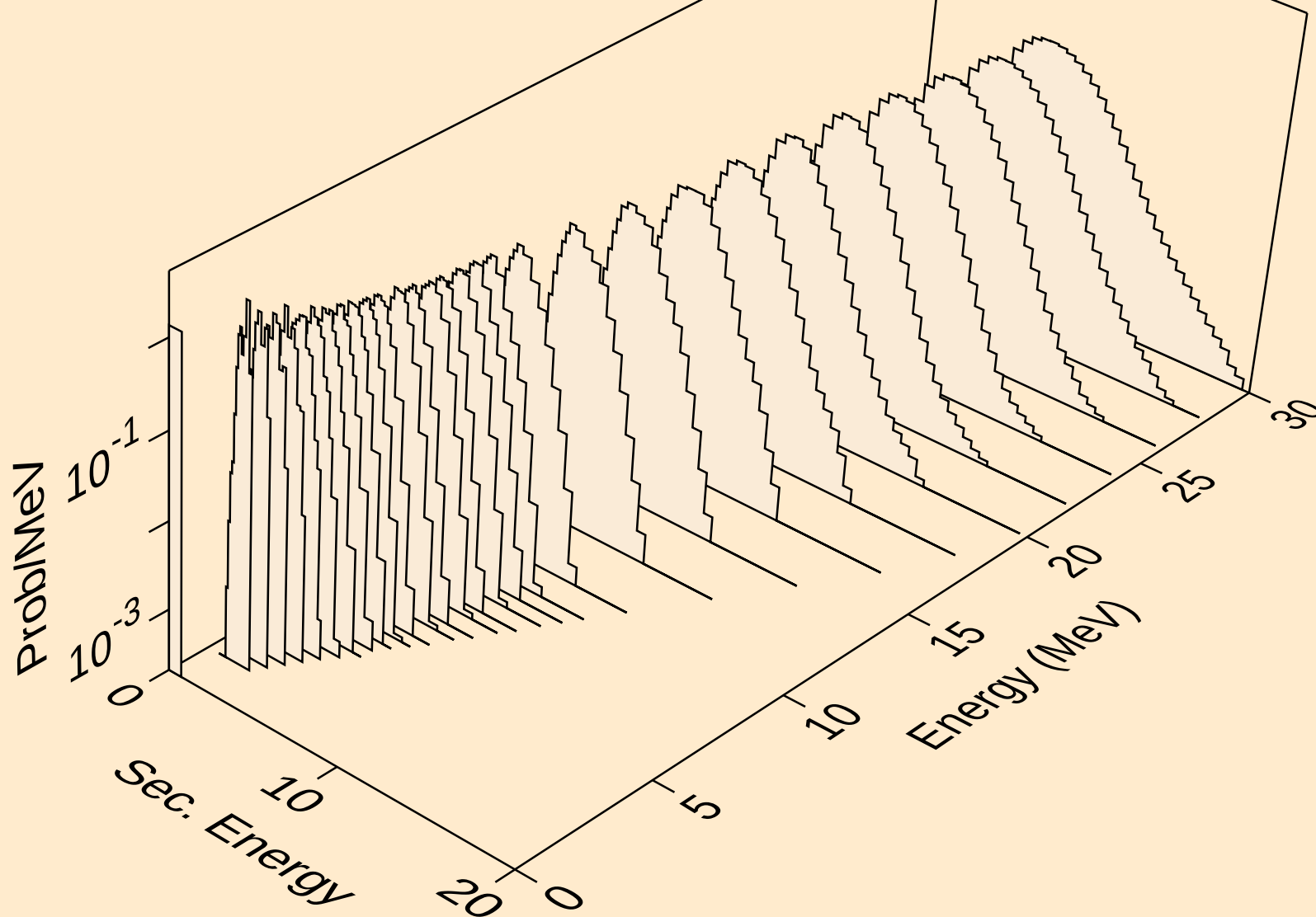


PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,2p)

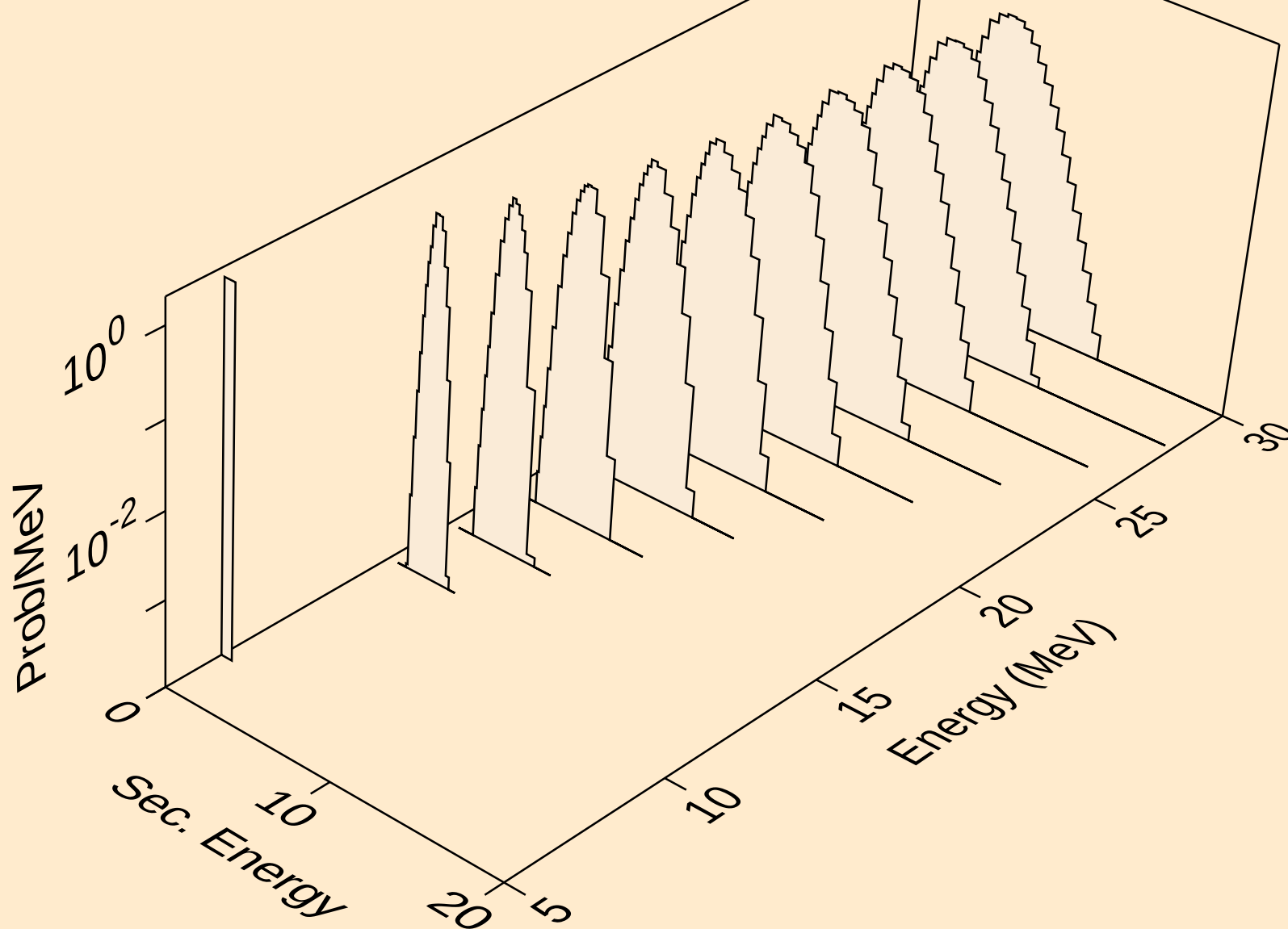




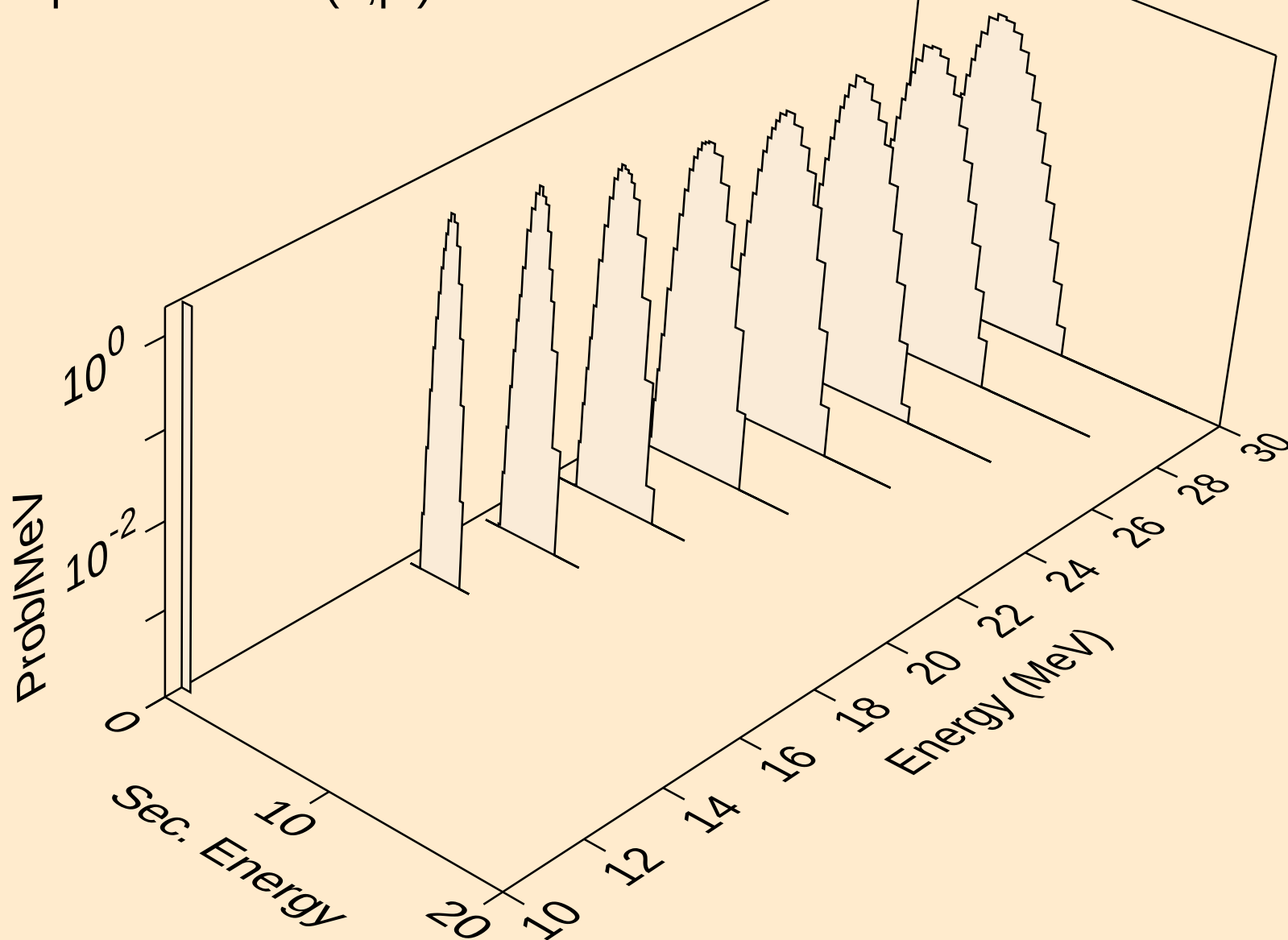
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,p)



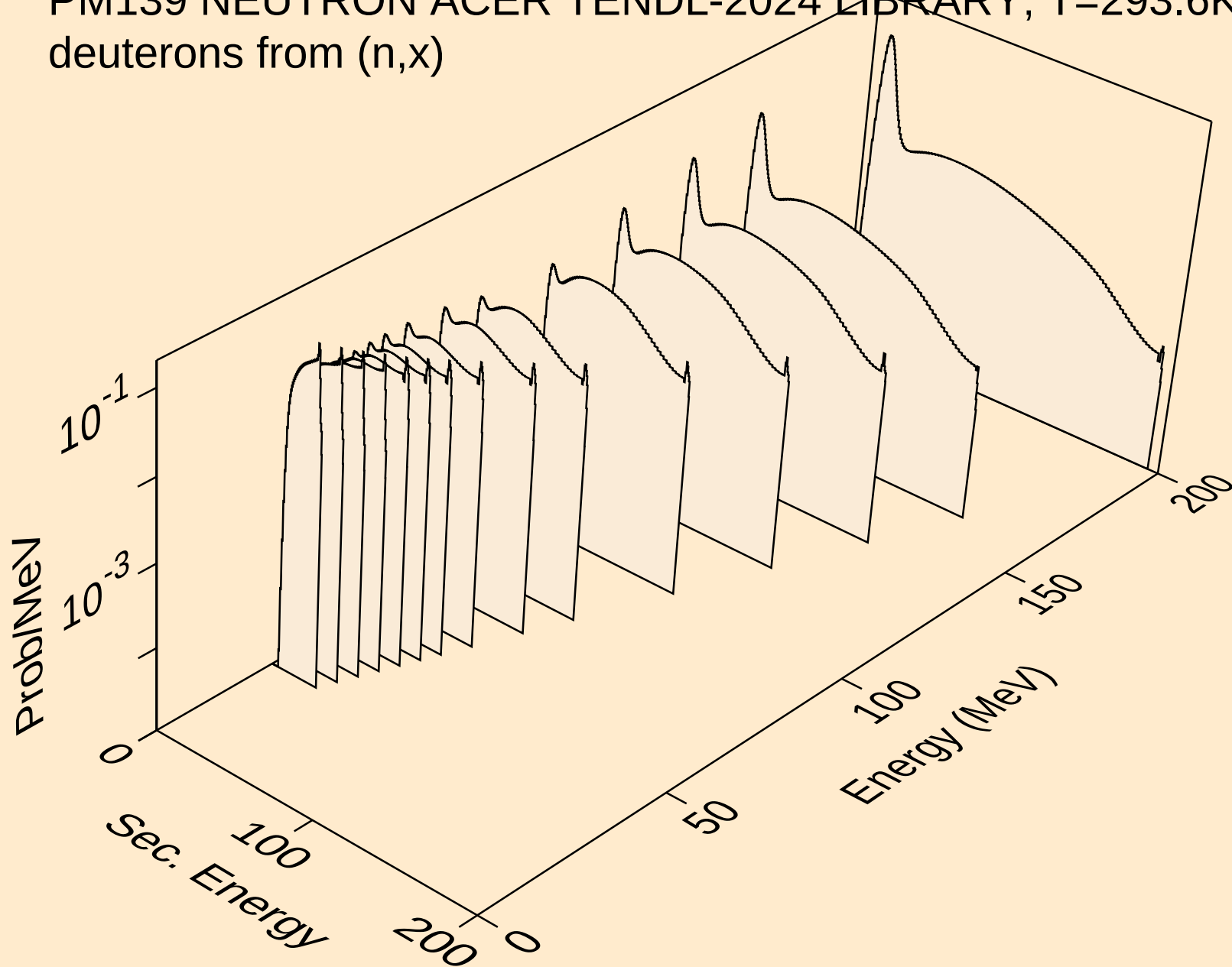
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,pd)



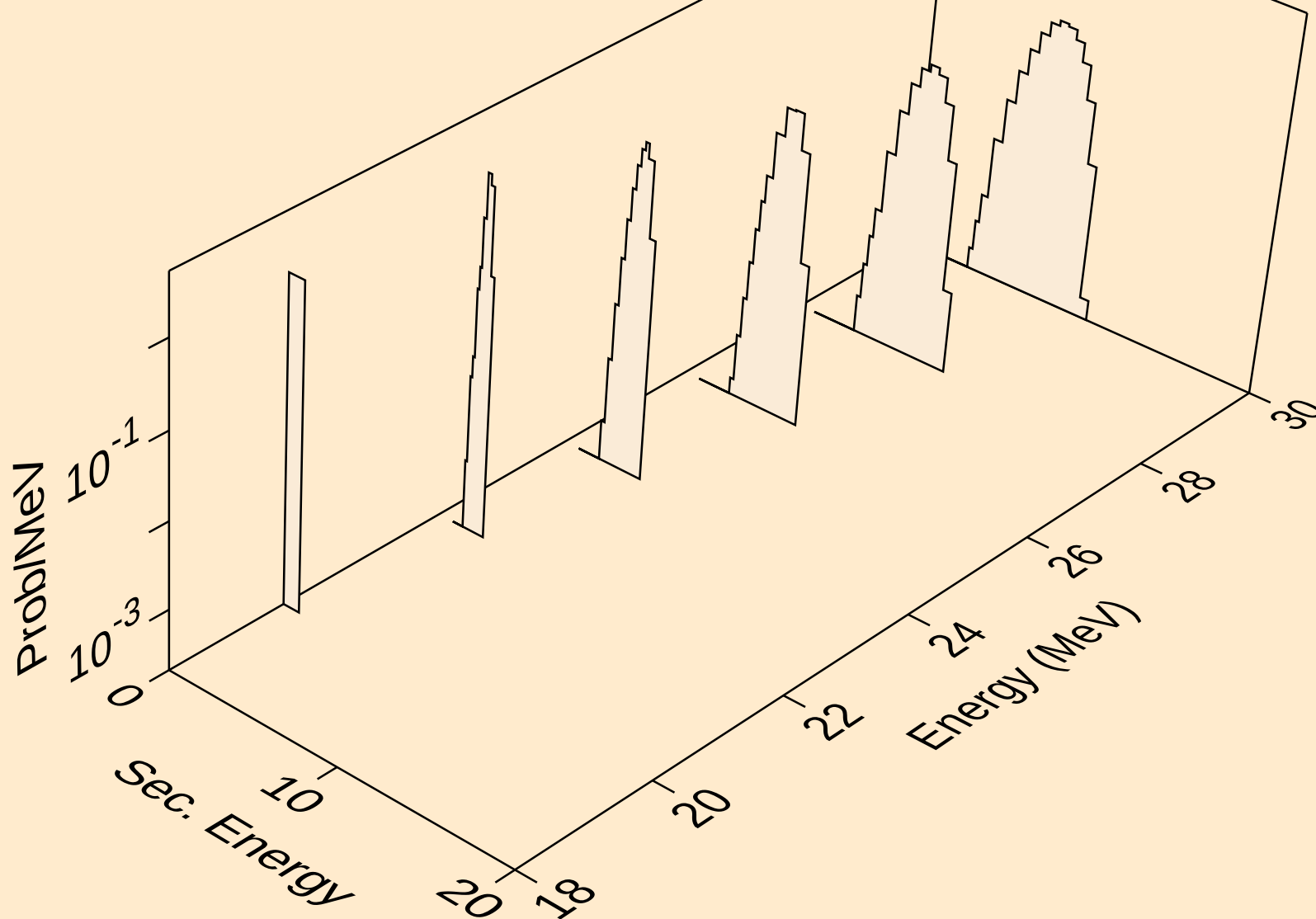
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,pt)



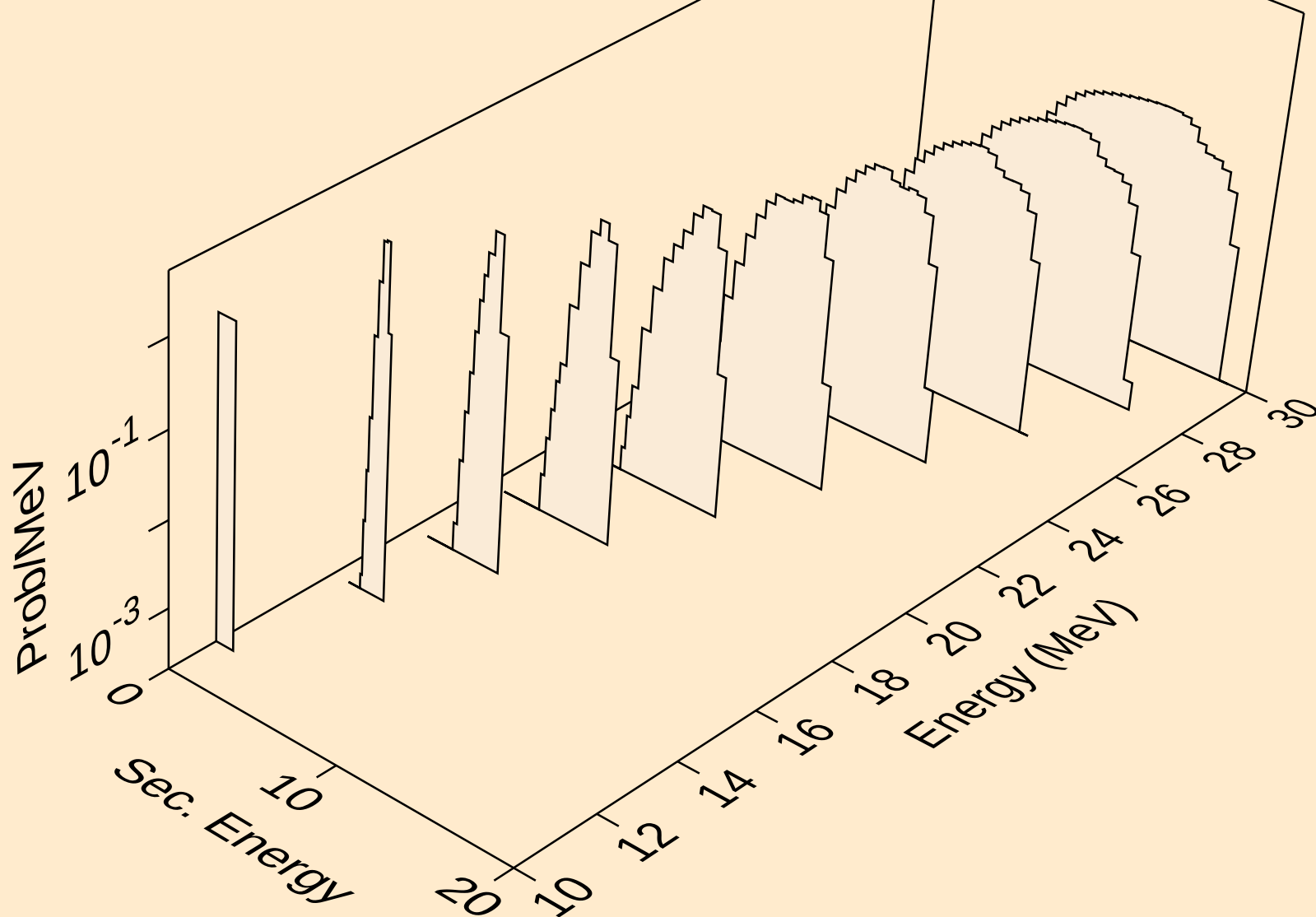
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,x)



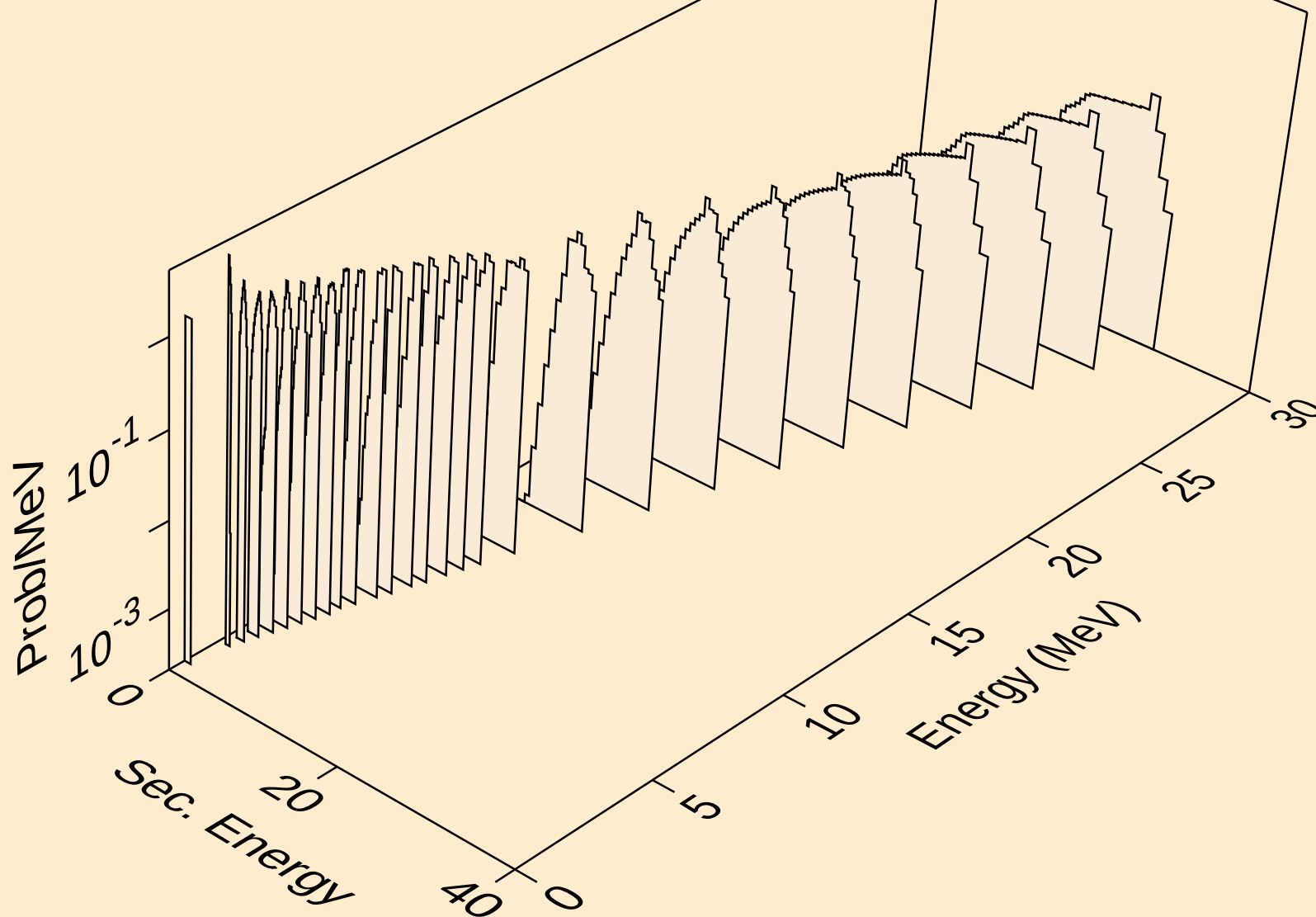
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,2nd)



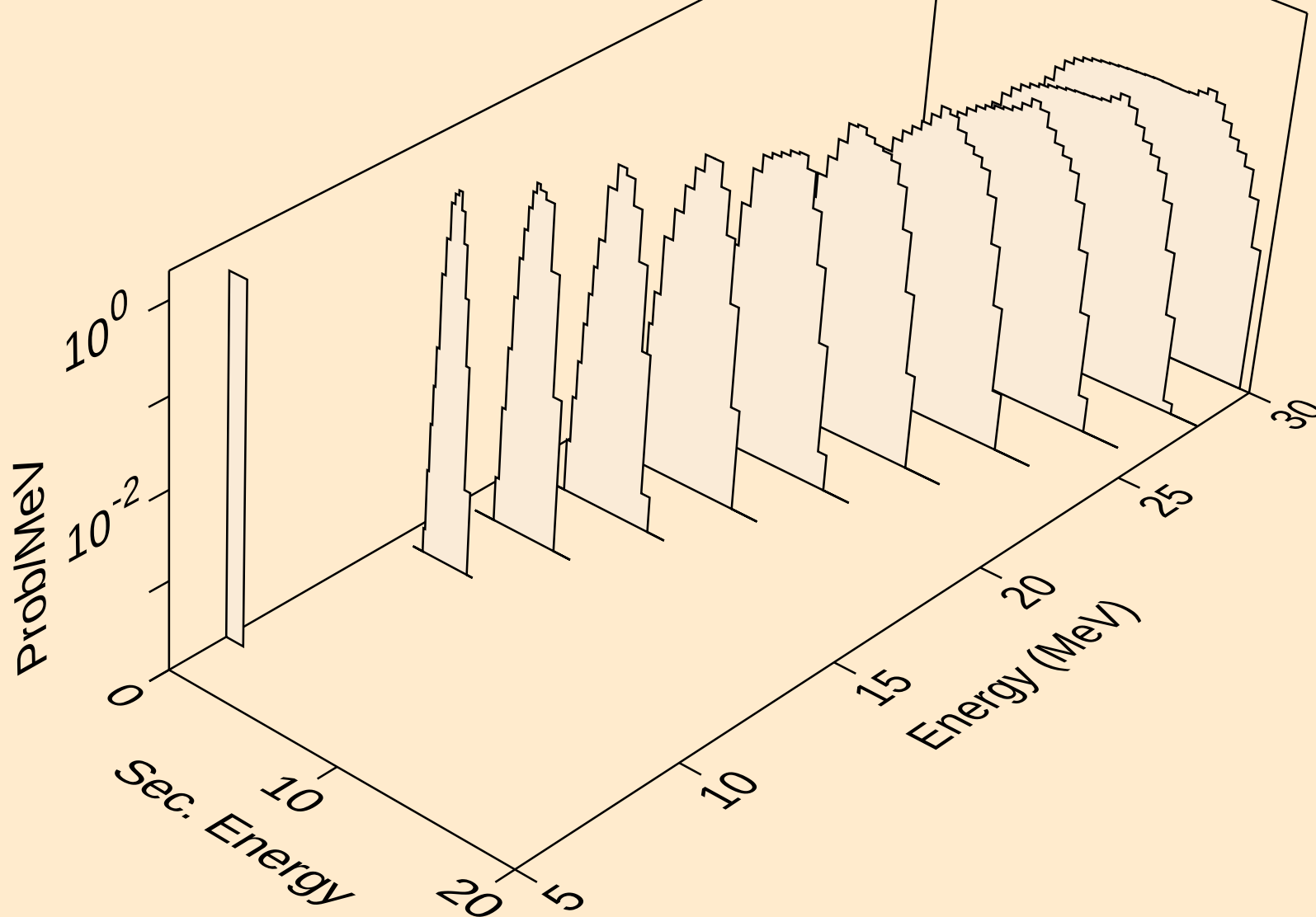
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,d)

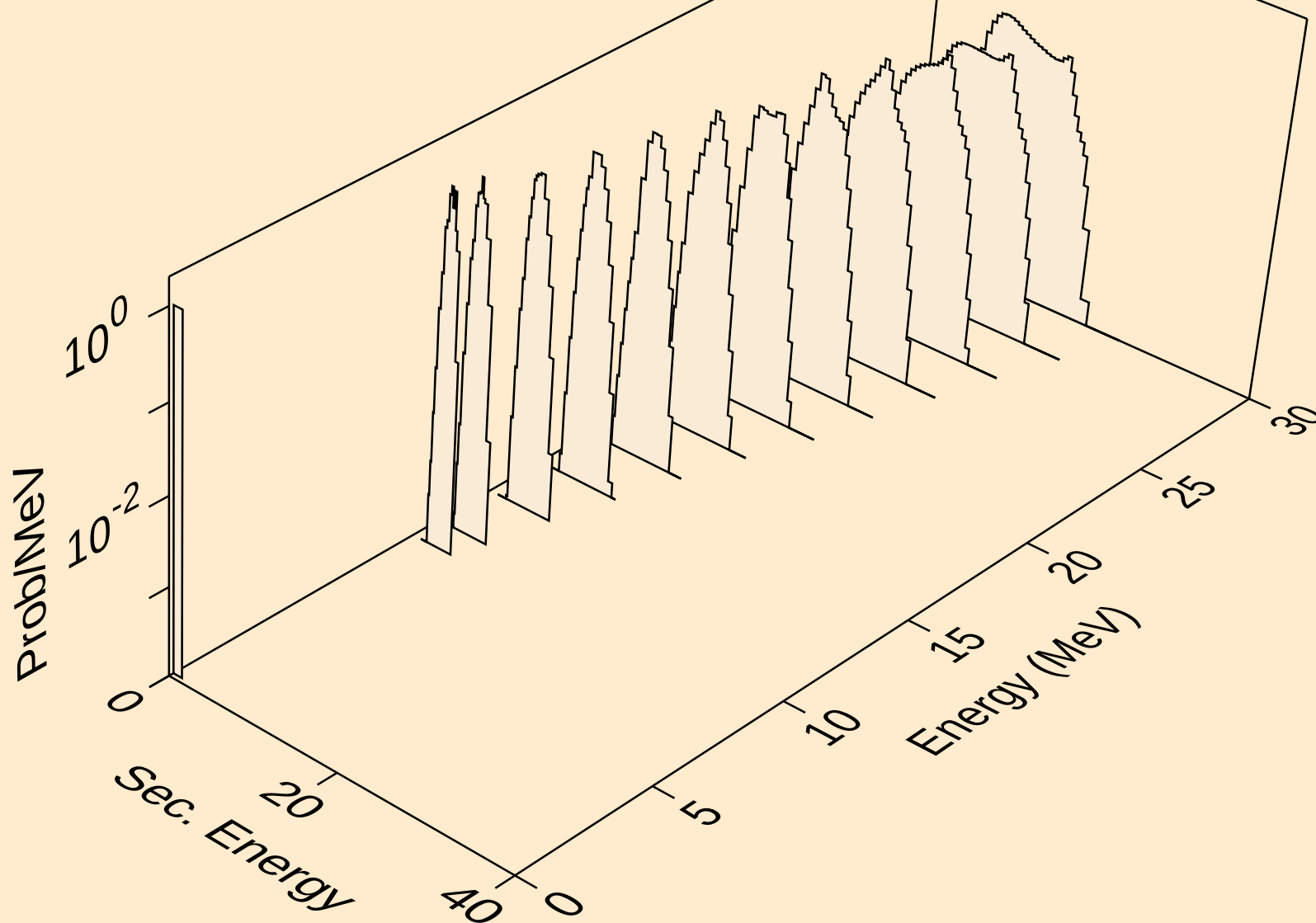


PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,pd)

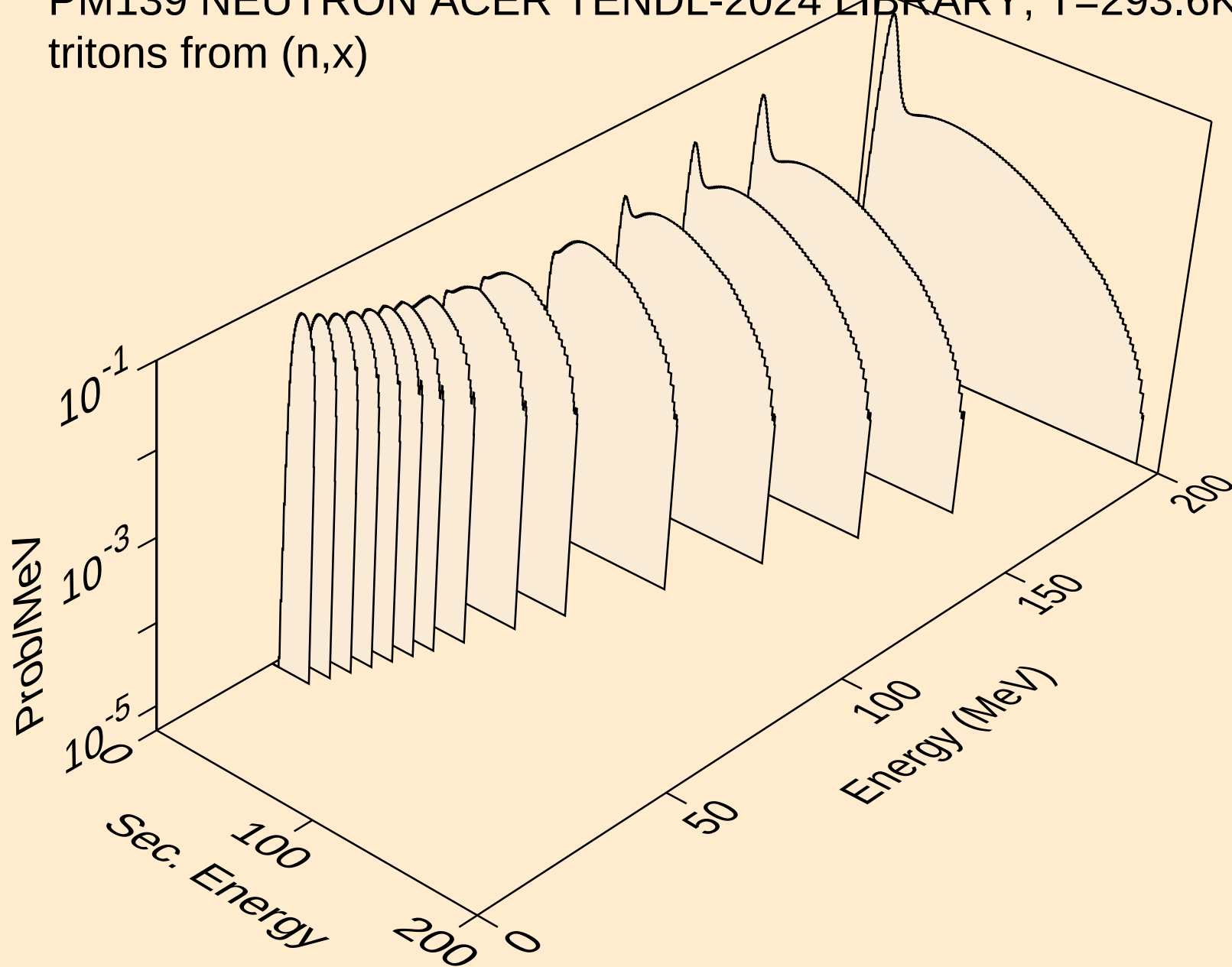




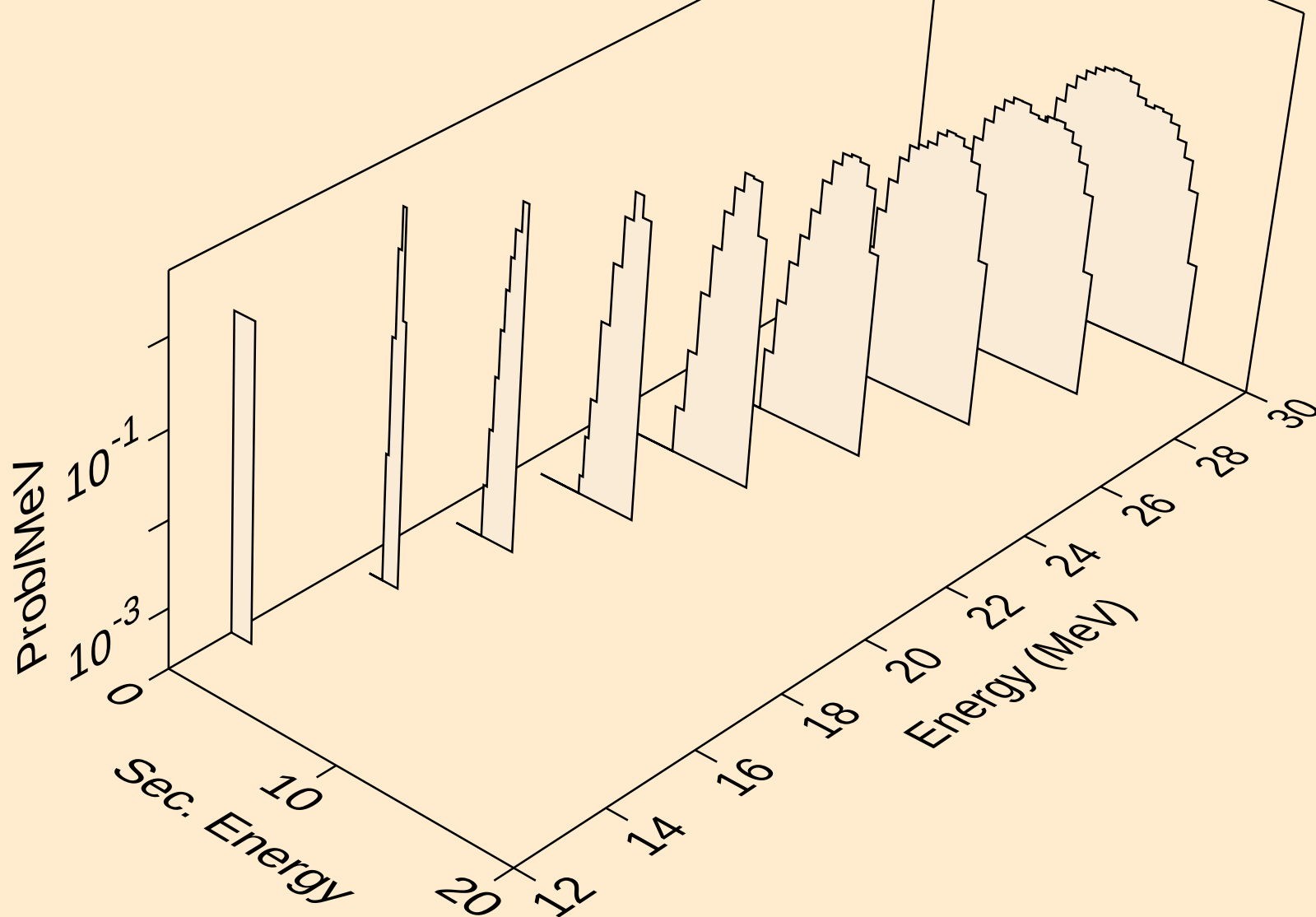
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,da)



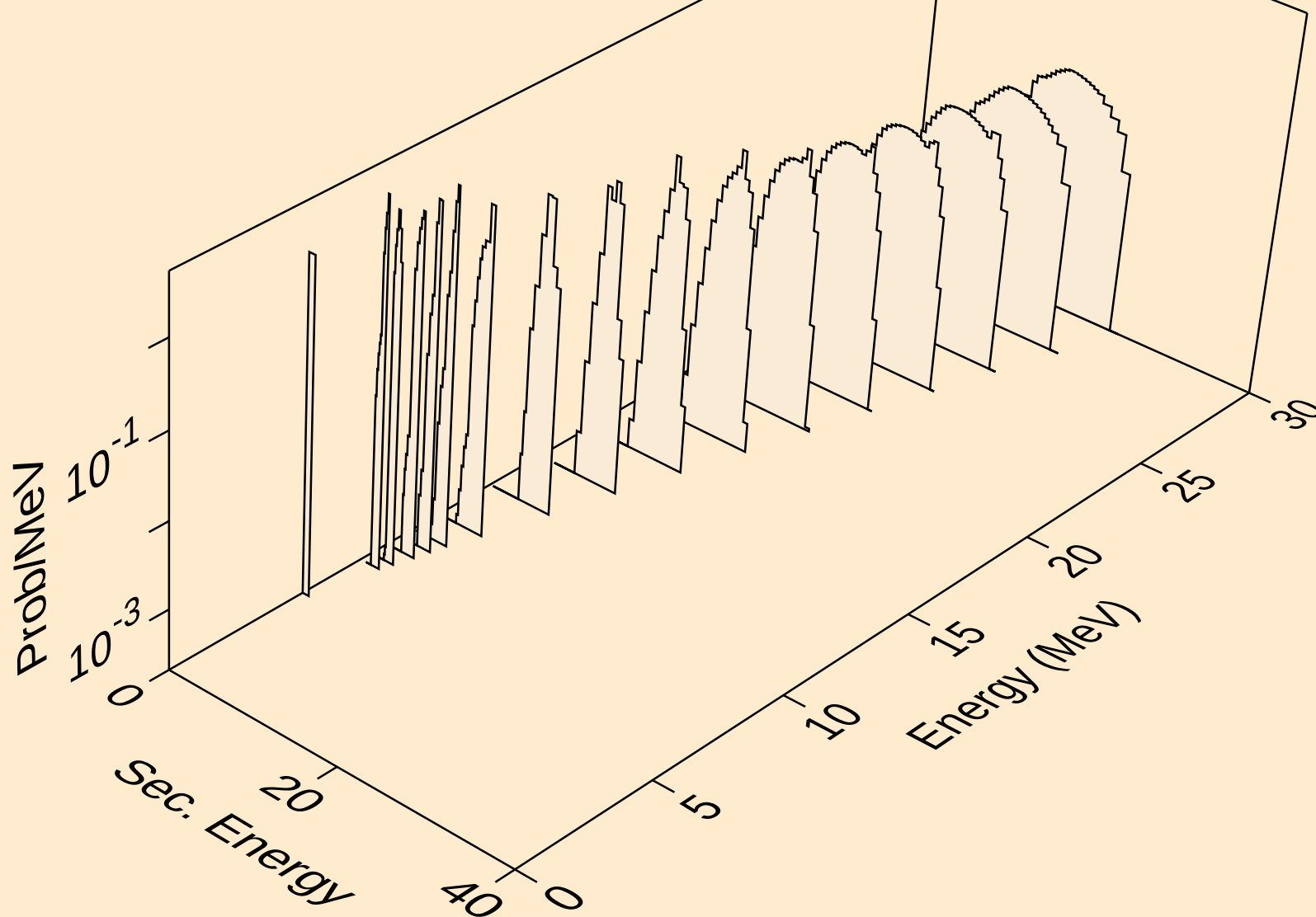
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,x)



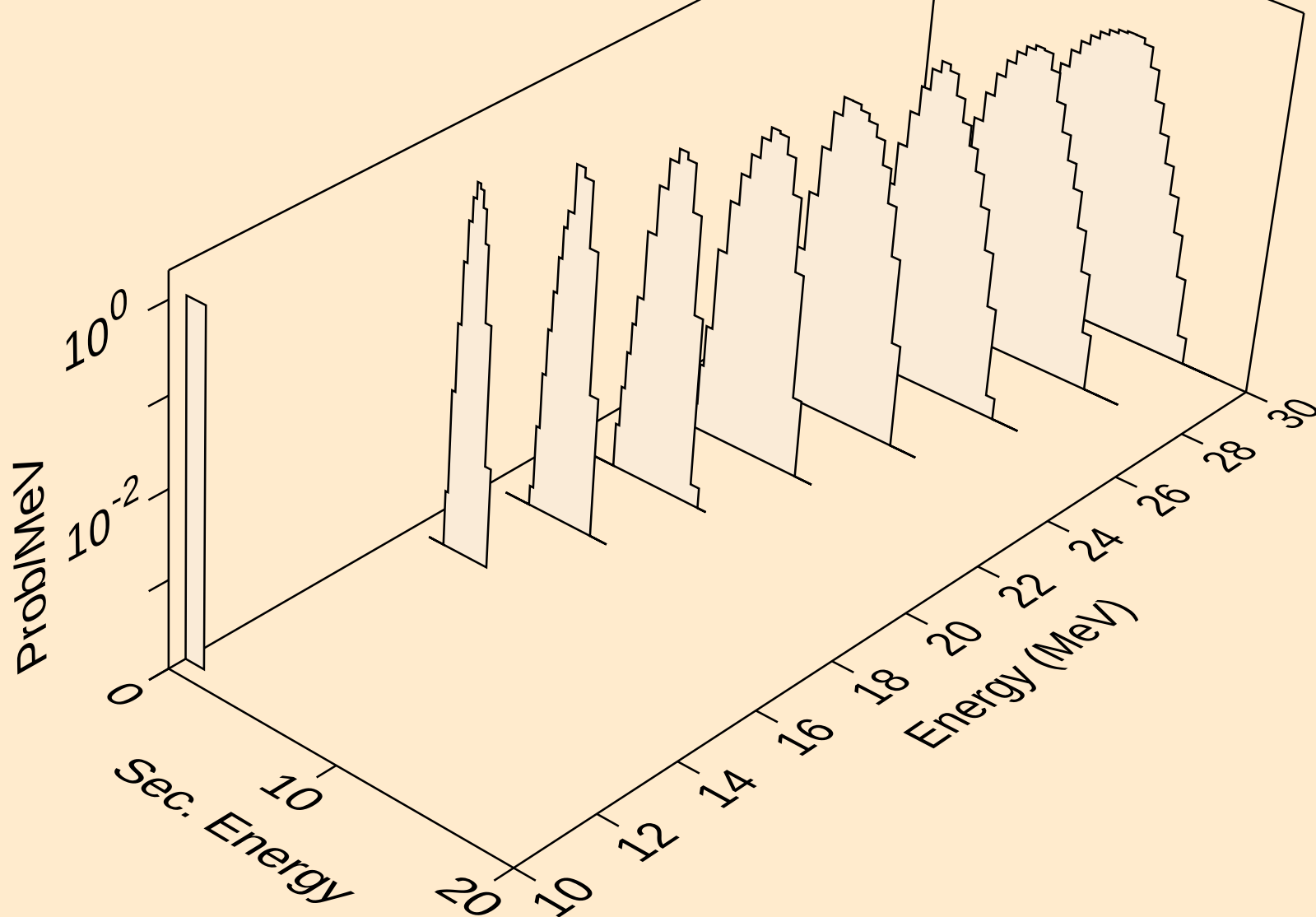
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,n\*)t



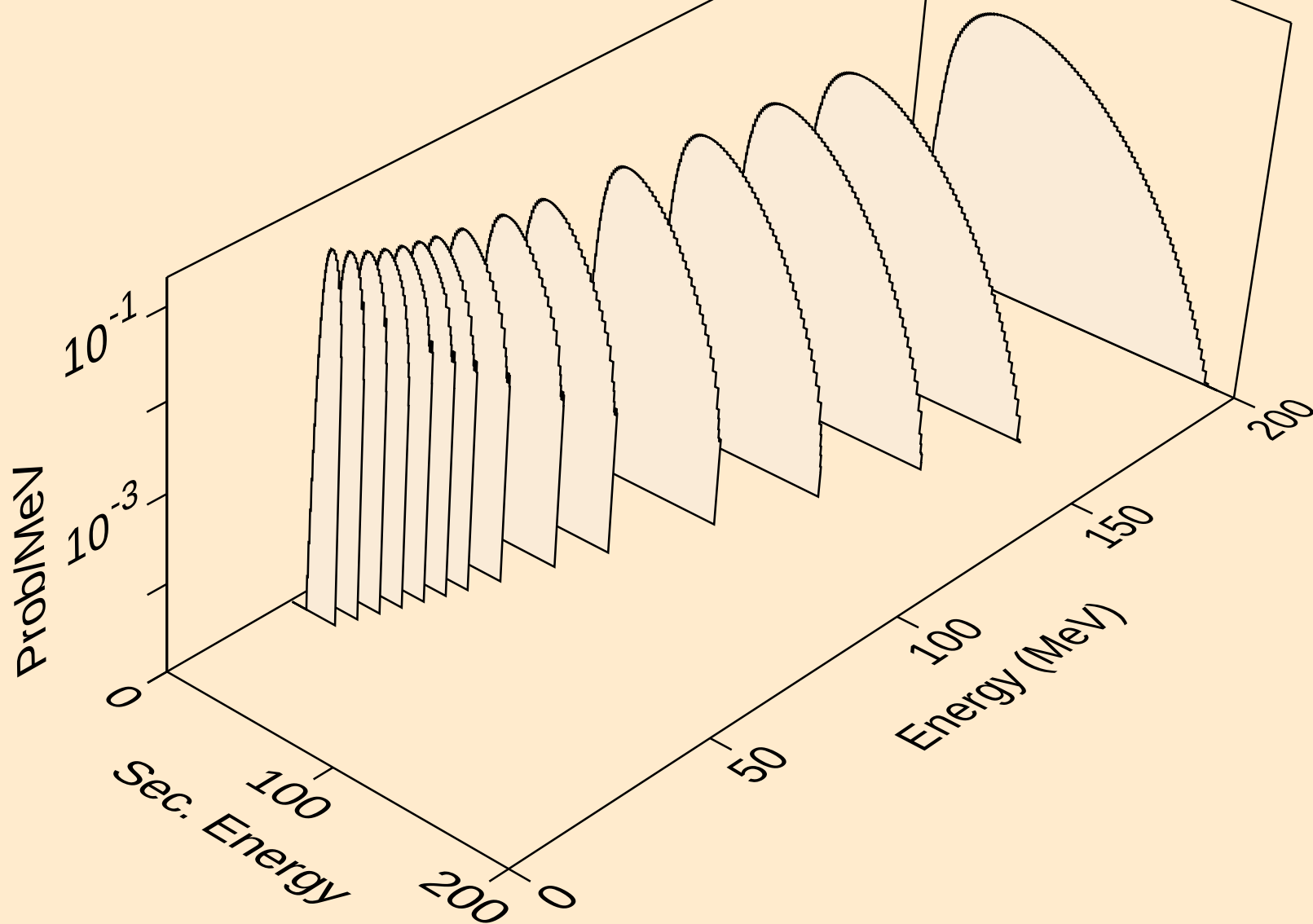
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,t)



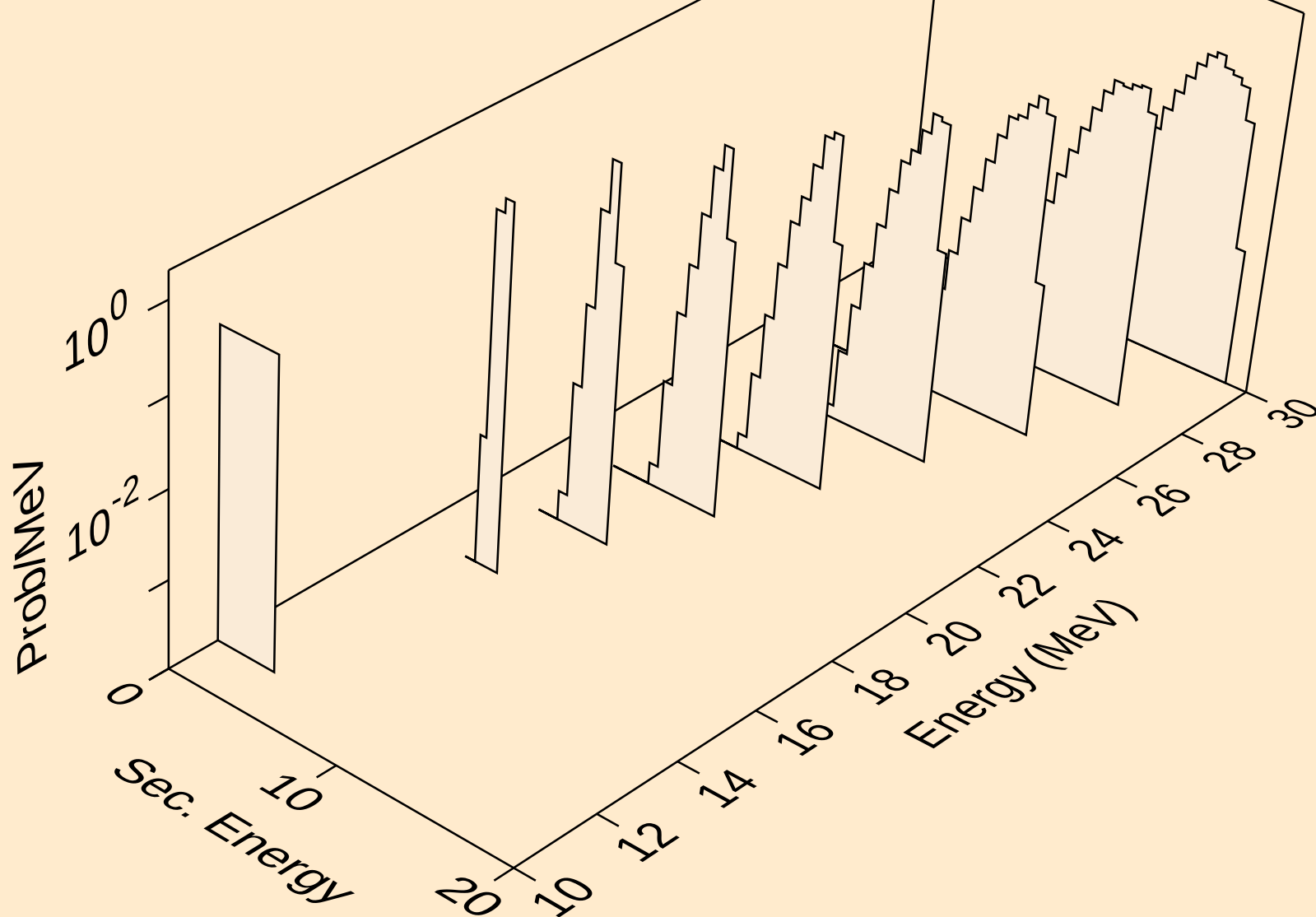
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,pt)



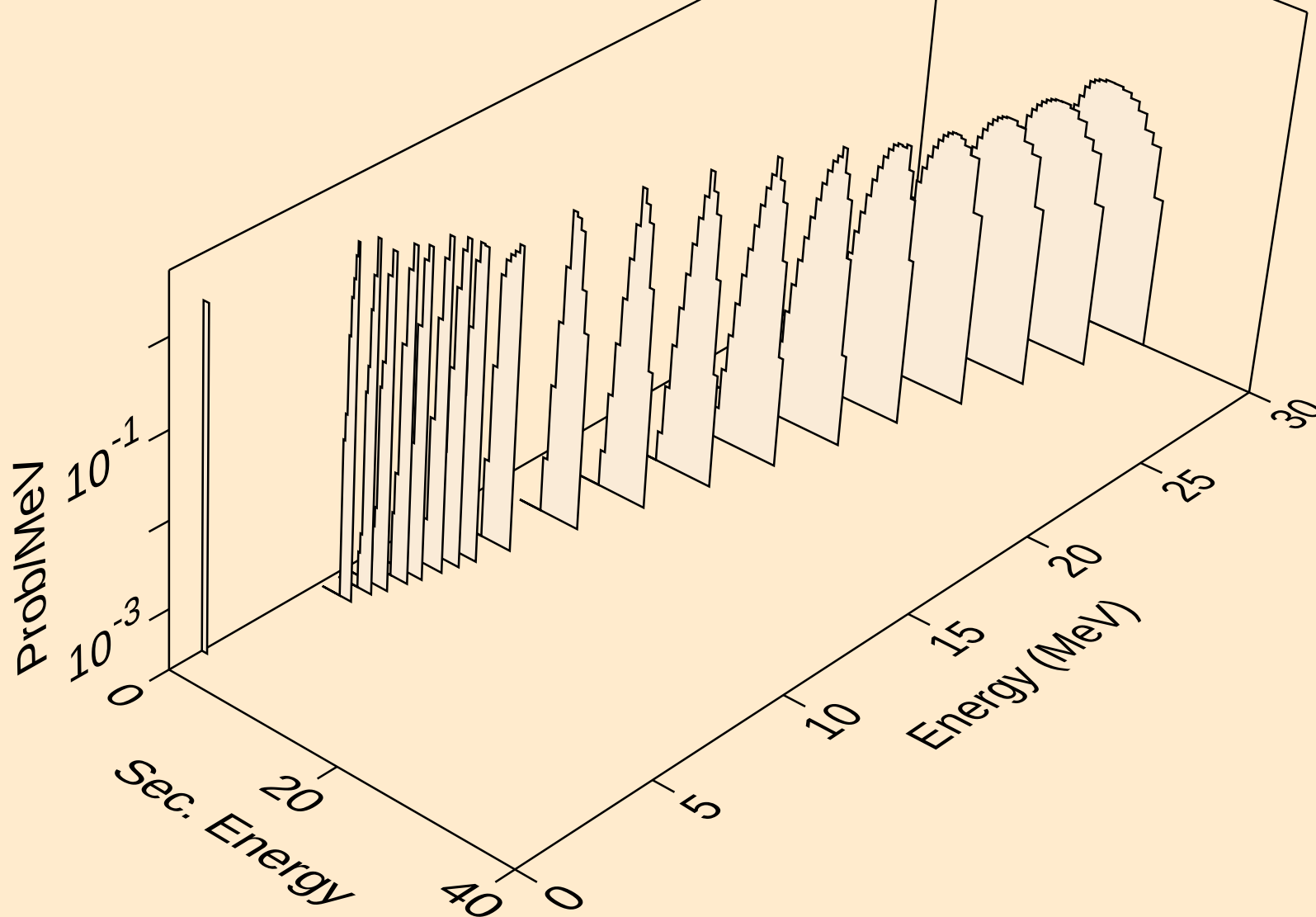
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
he3s from (n,x)



PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
he3s from (n,n\*)he3

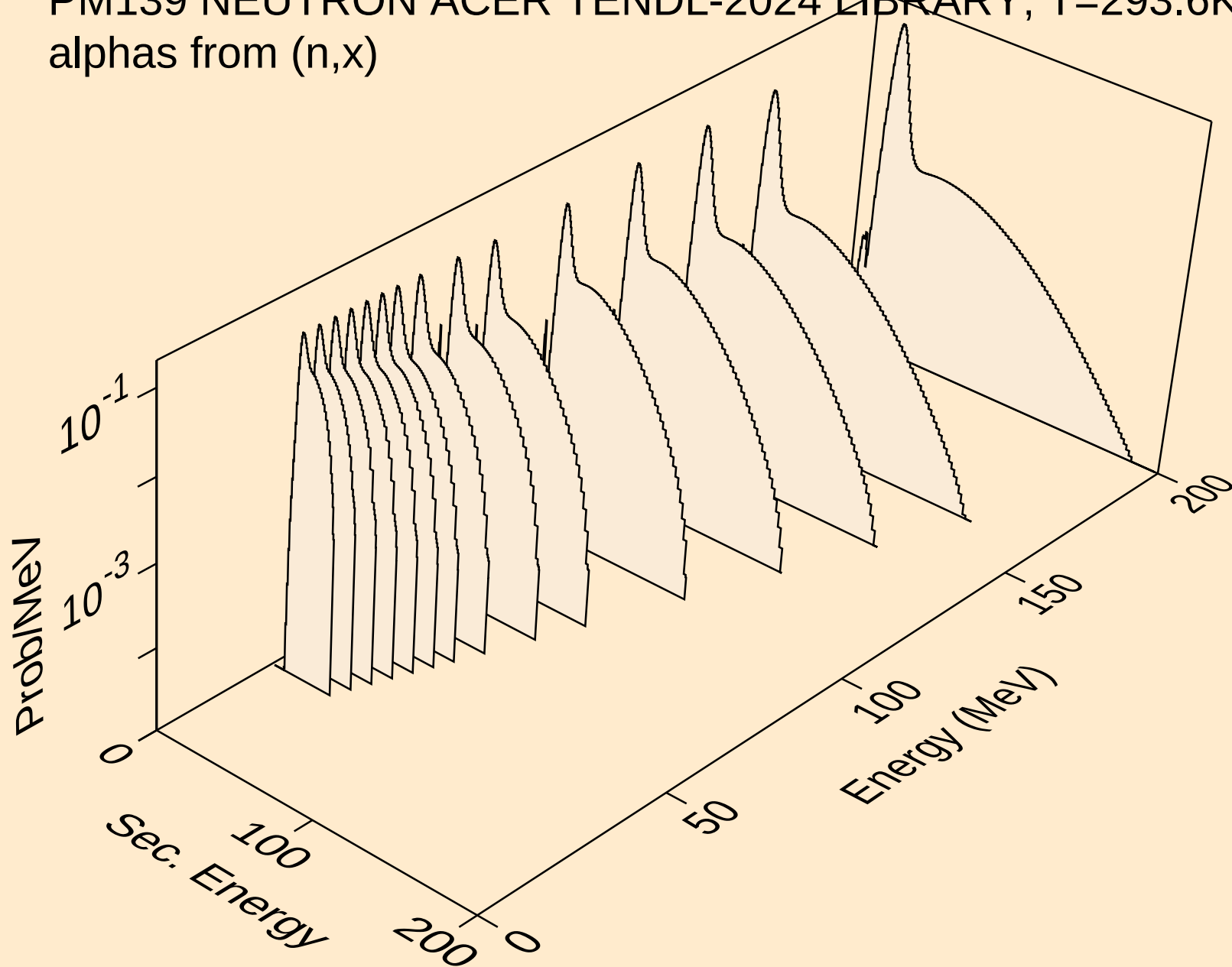


PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
he3s from (n,he3)

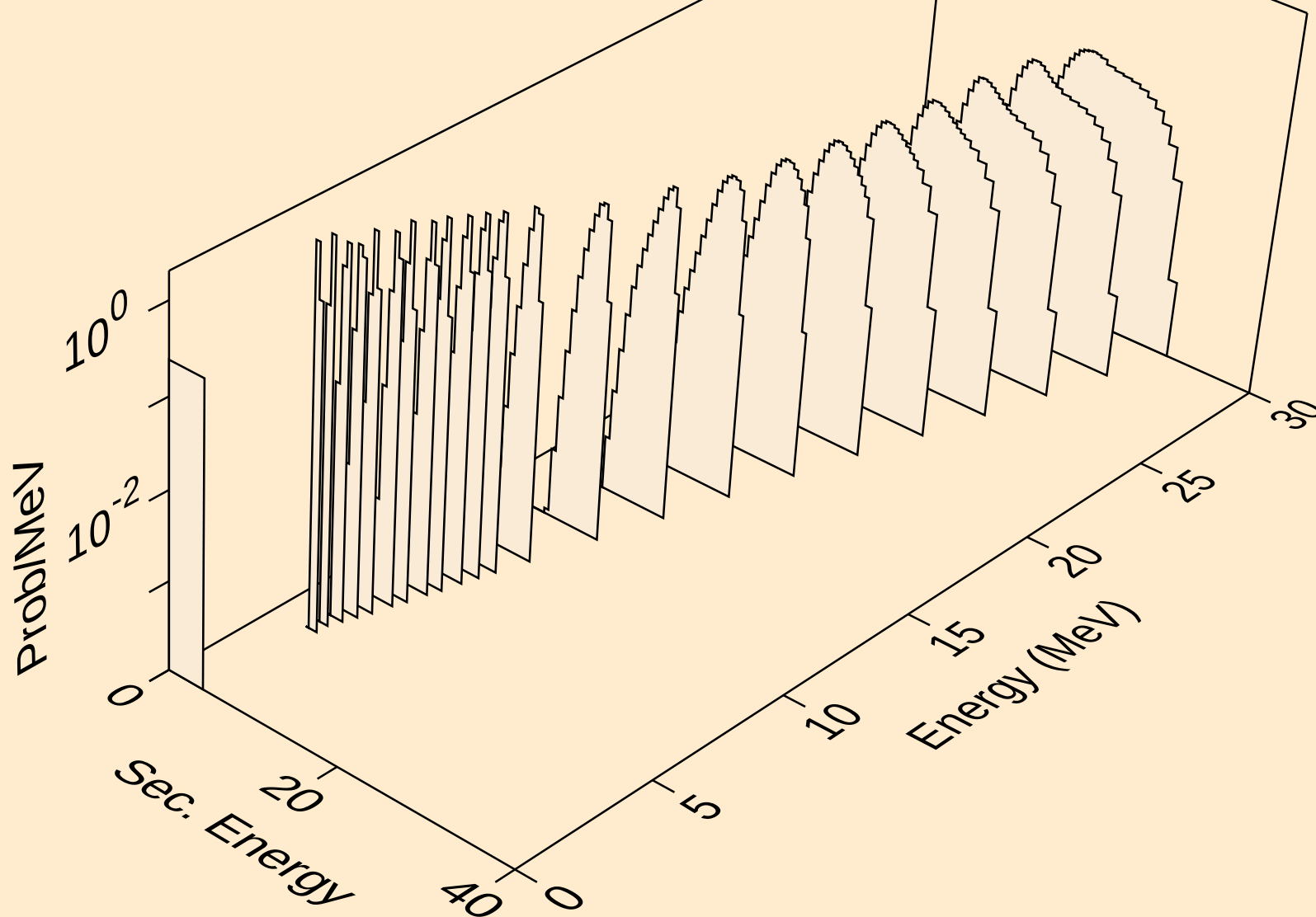




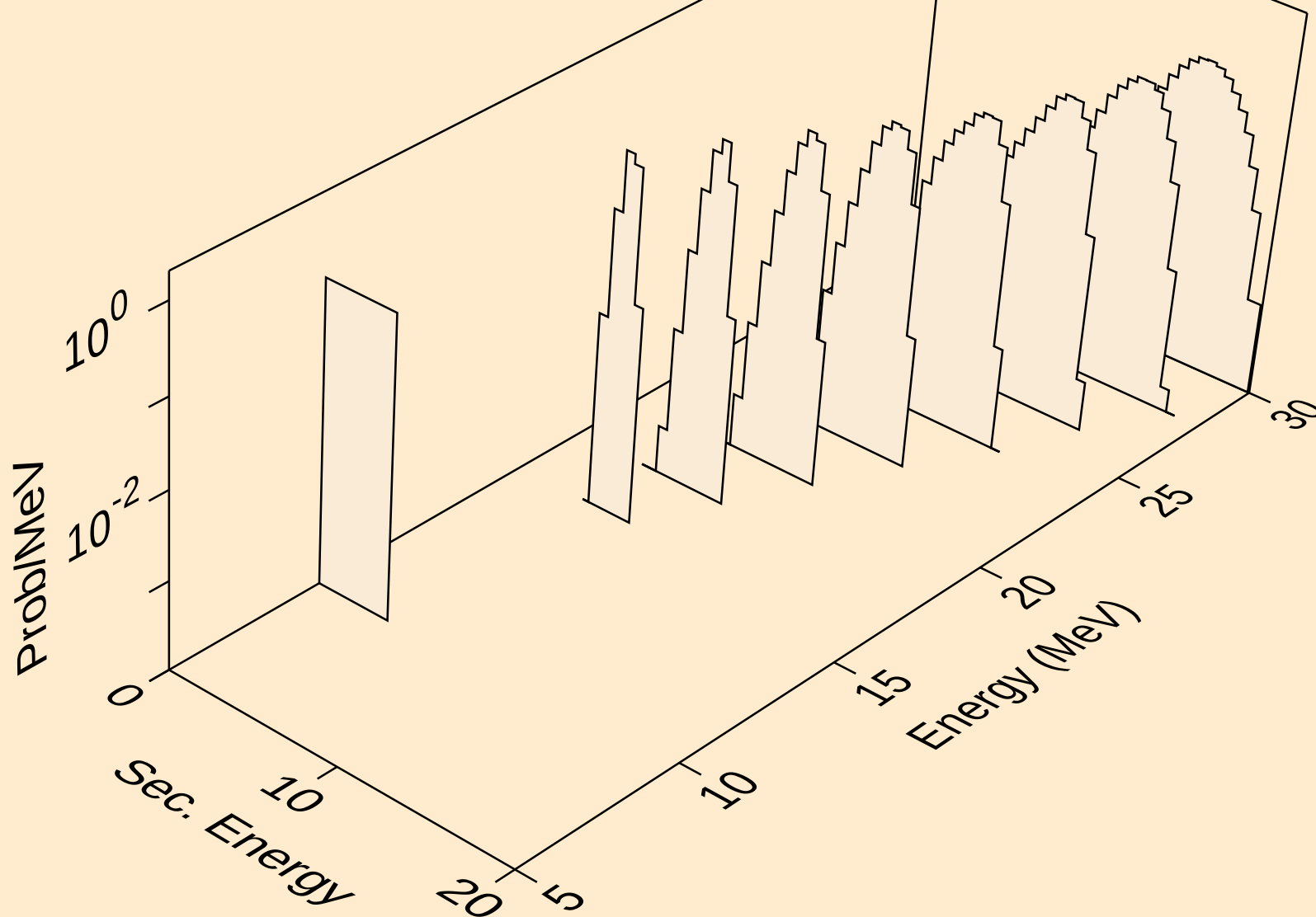
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,x)



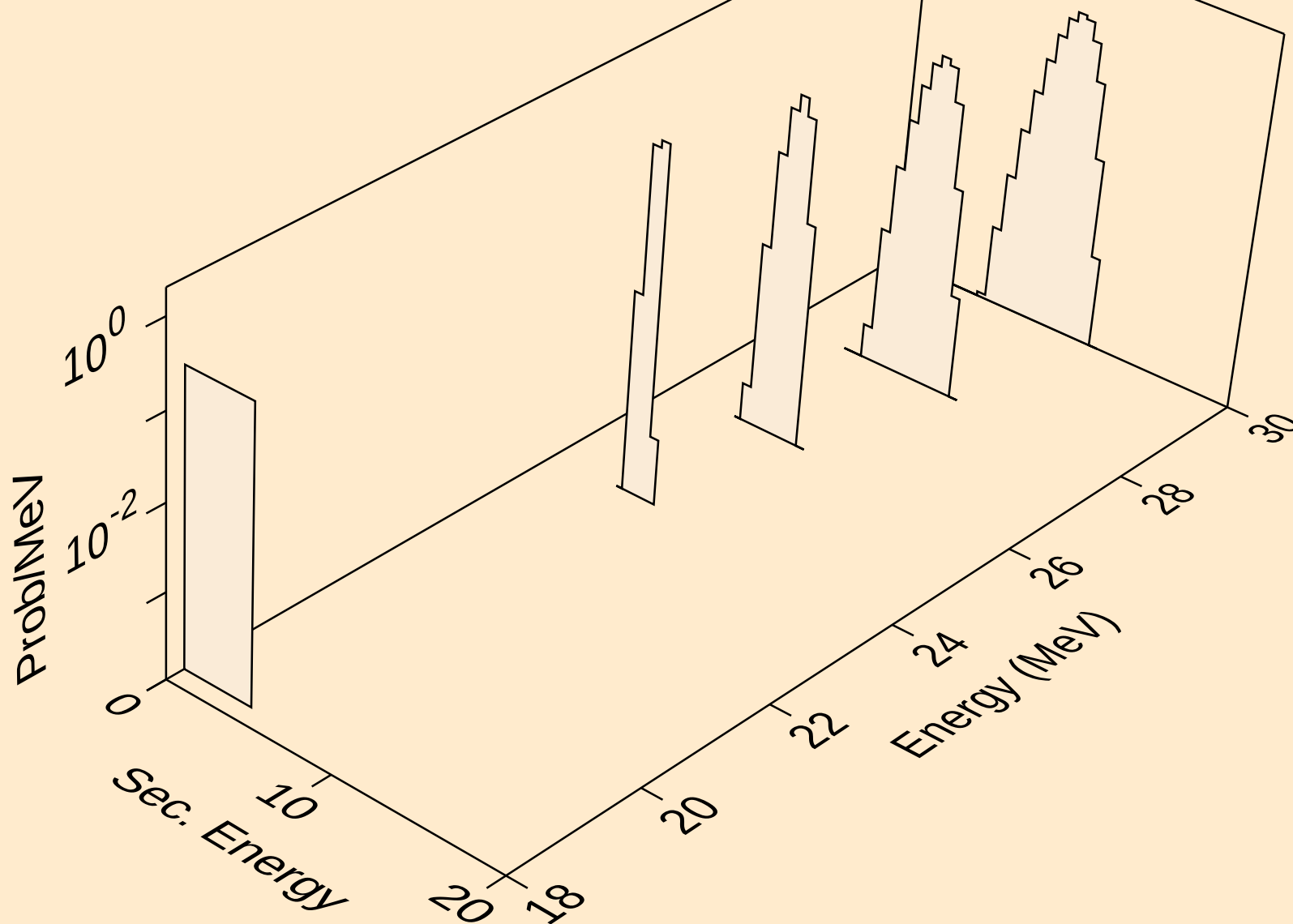
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,n\*)a



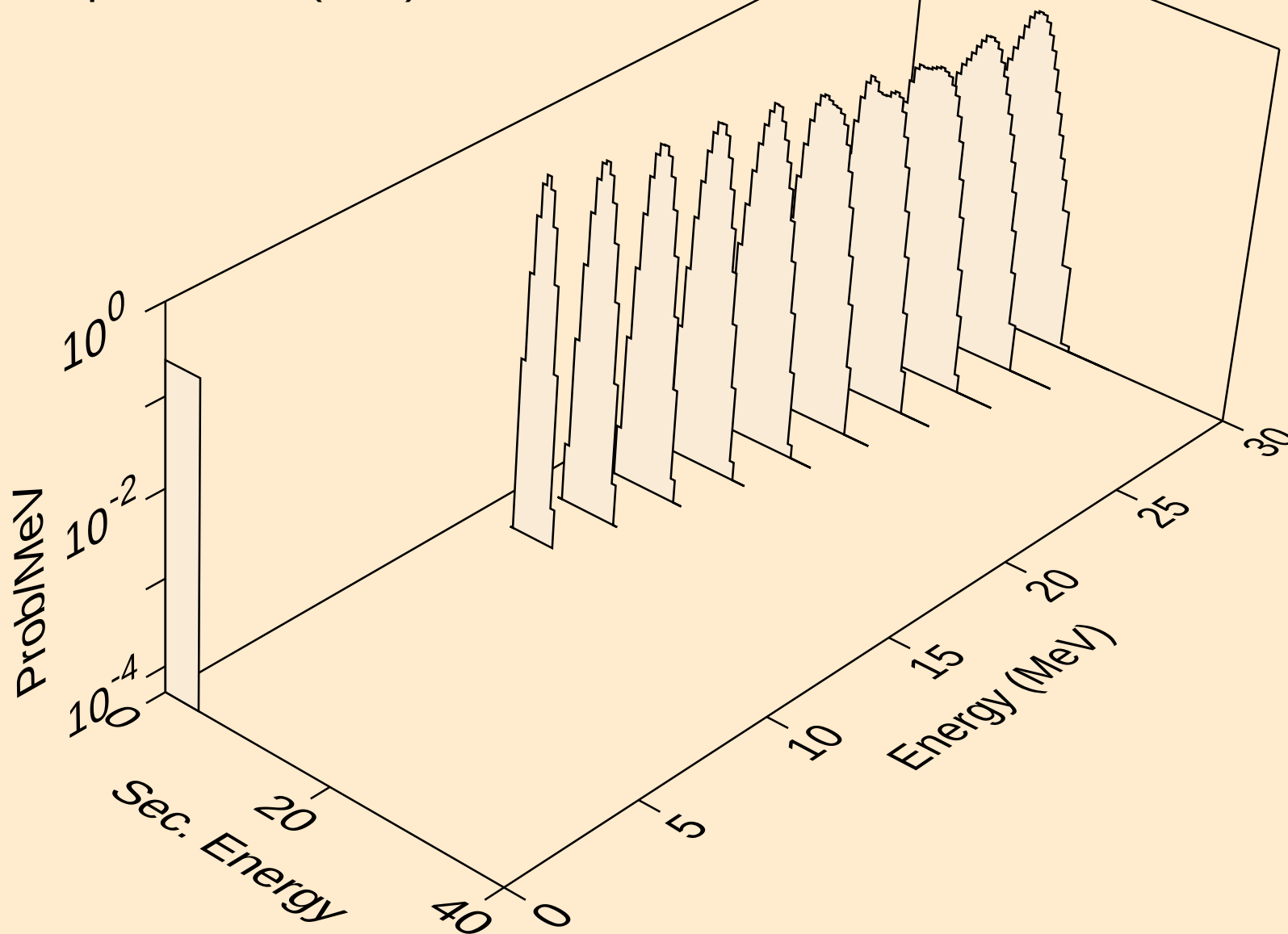
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,2n)a



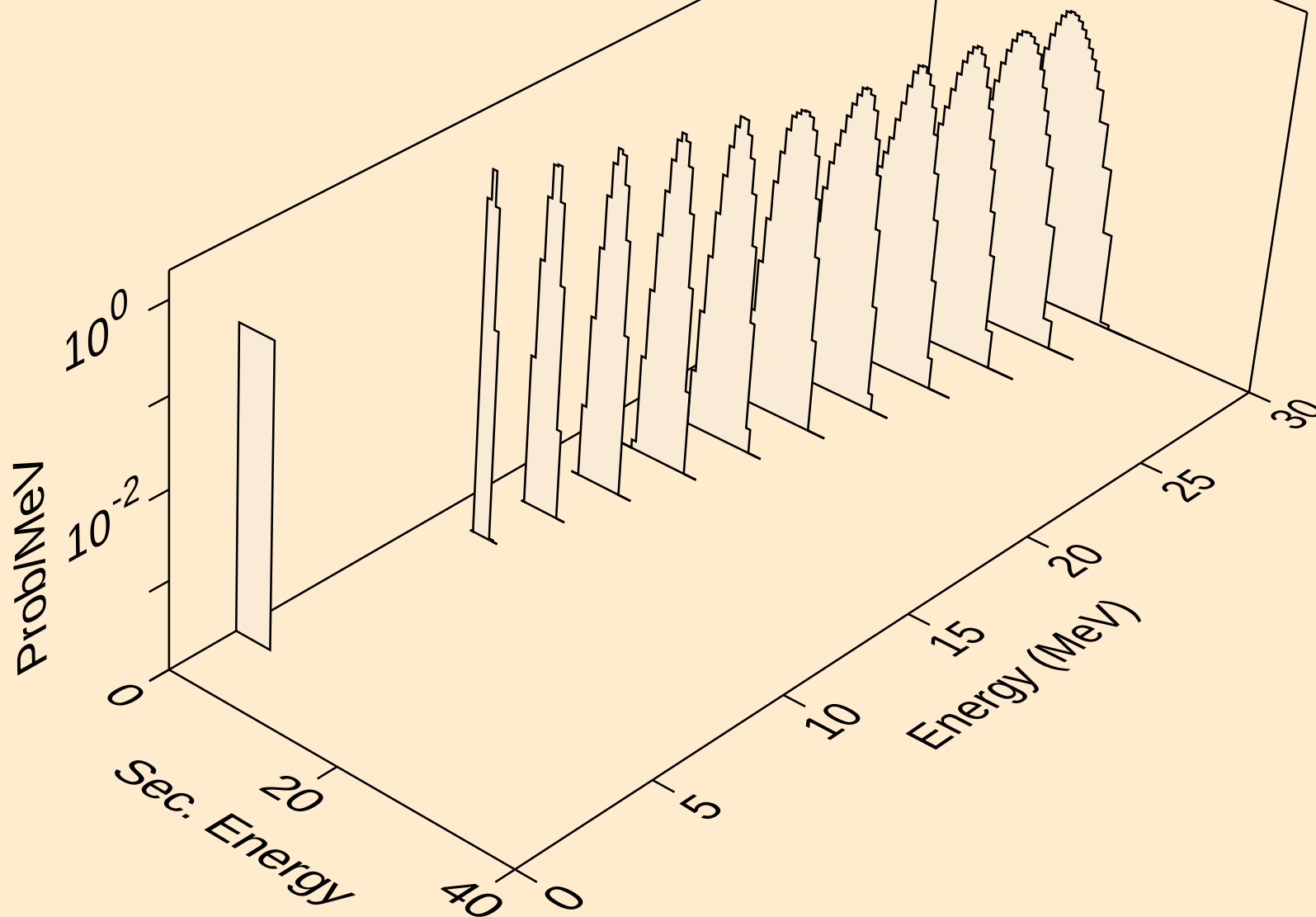
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,3n)a



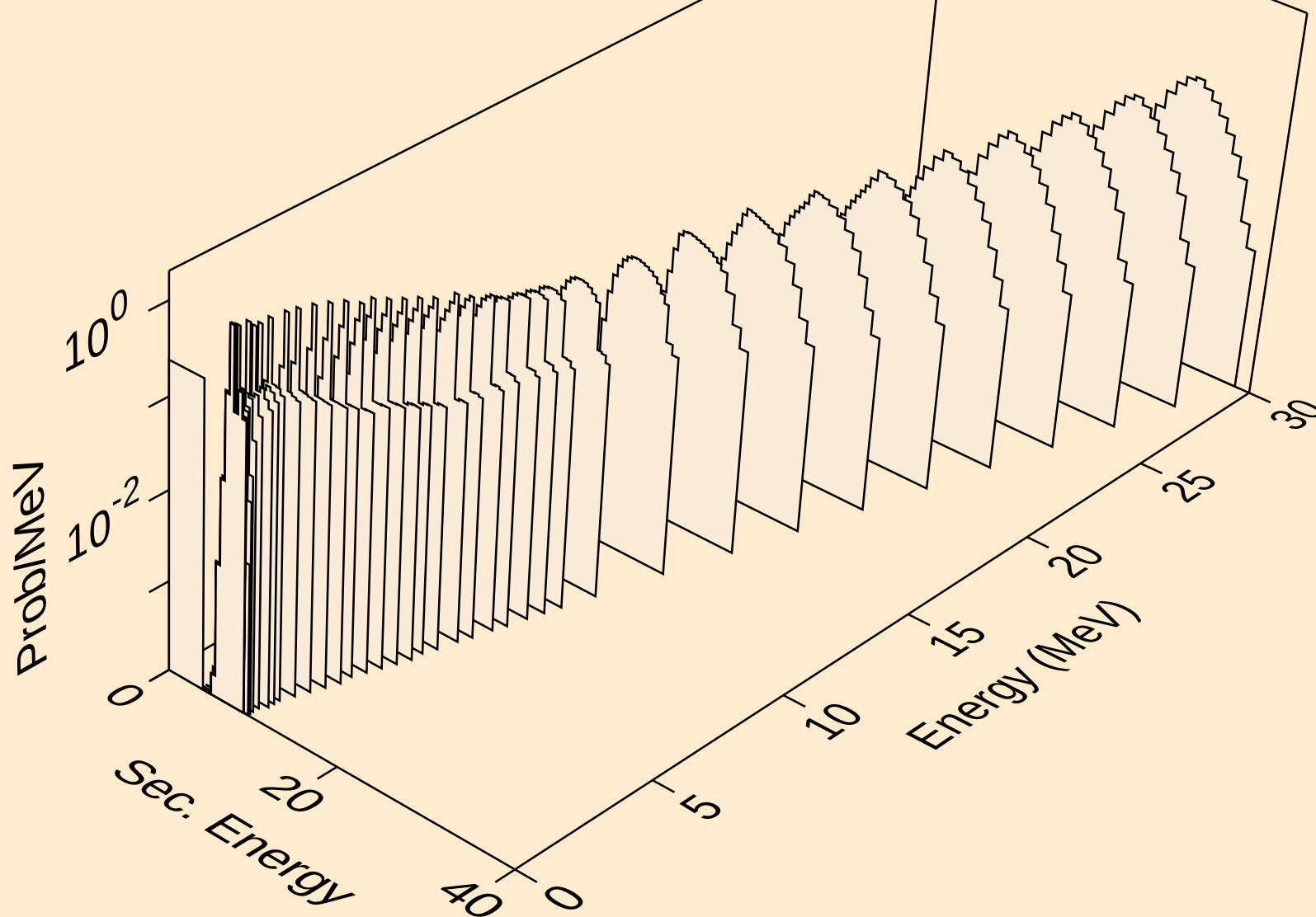
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



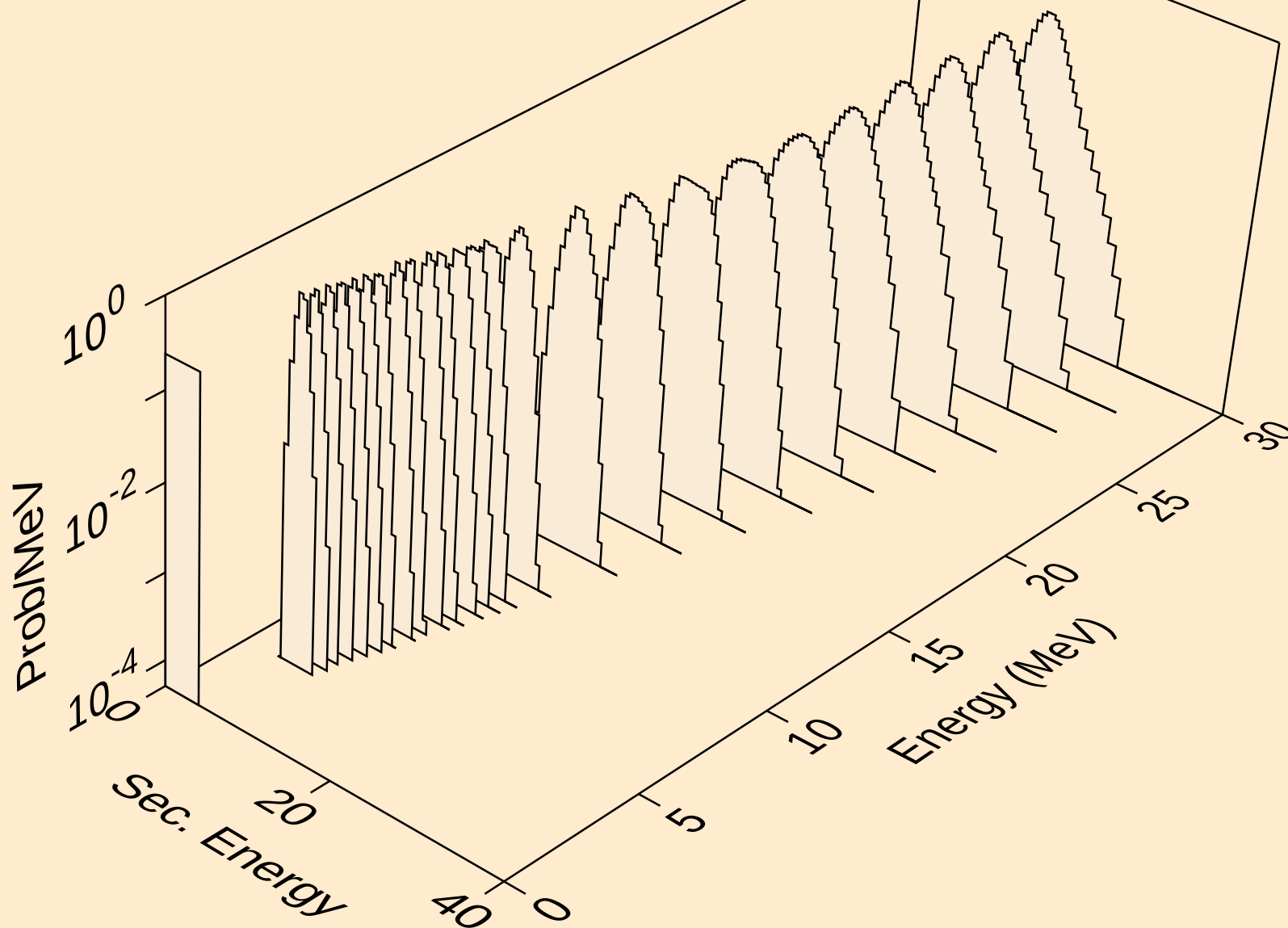
PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,npa)



PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,a)

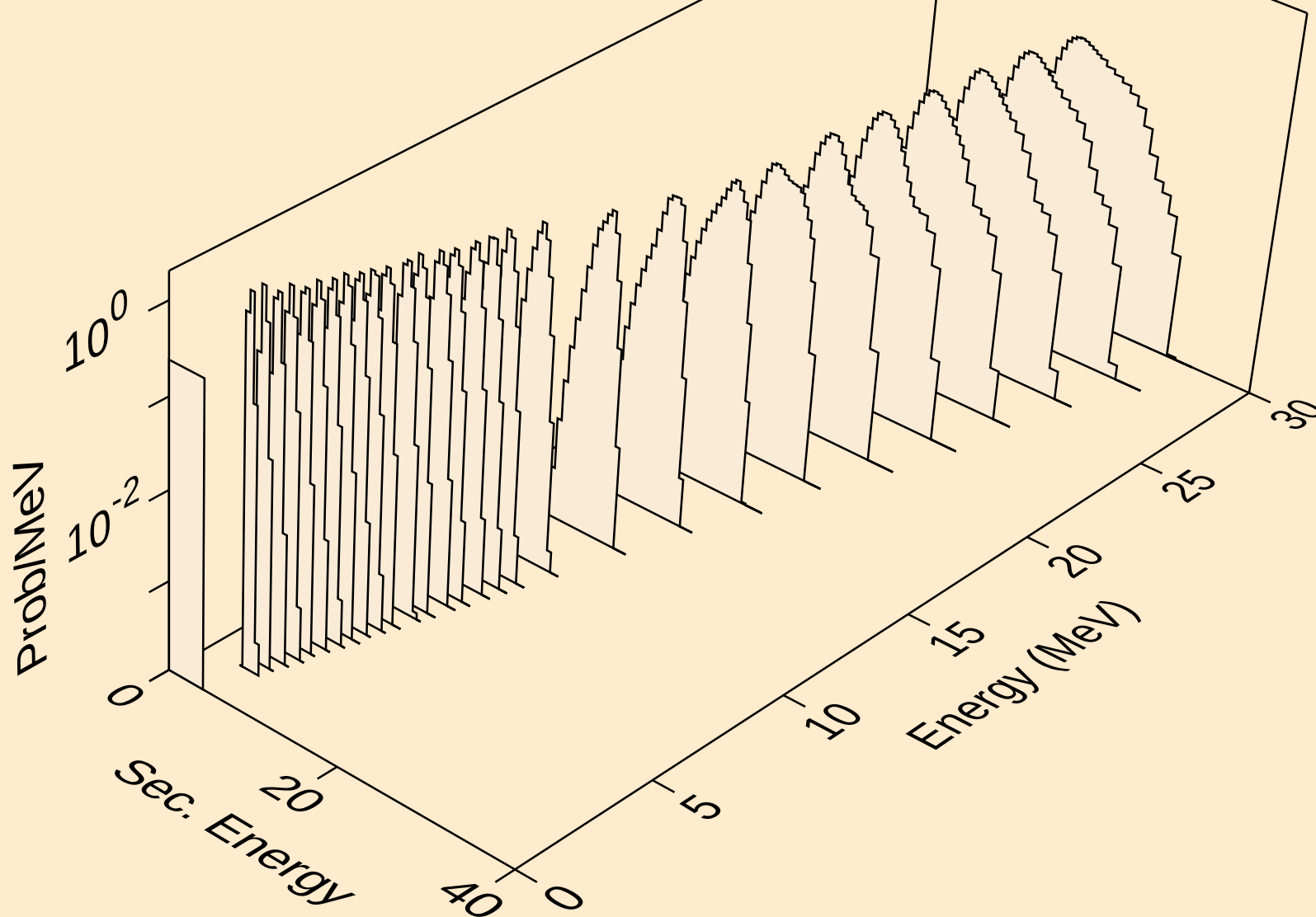


PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,2a)





PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,p)



PM139 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,da)

