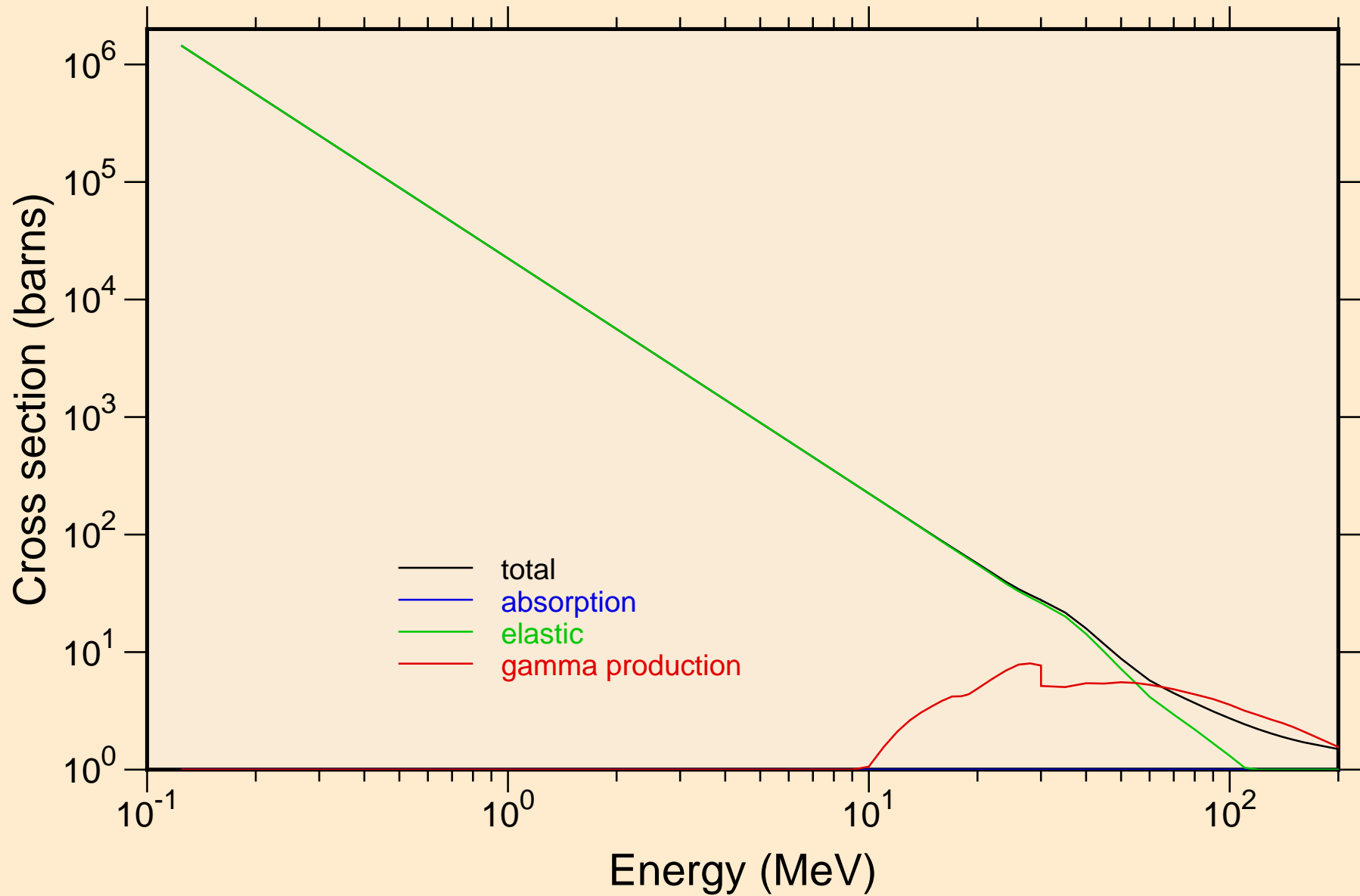
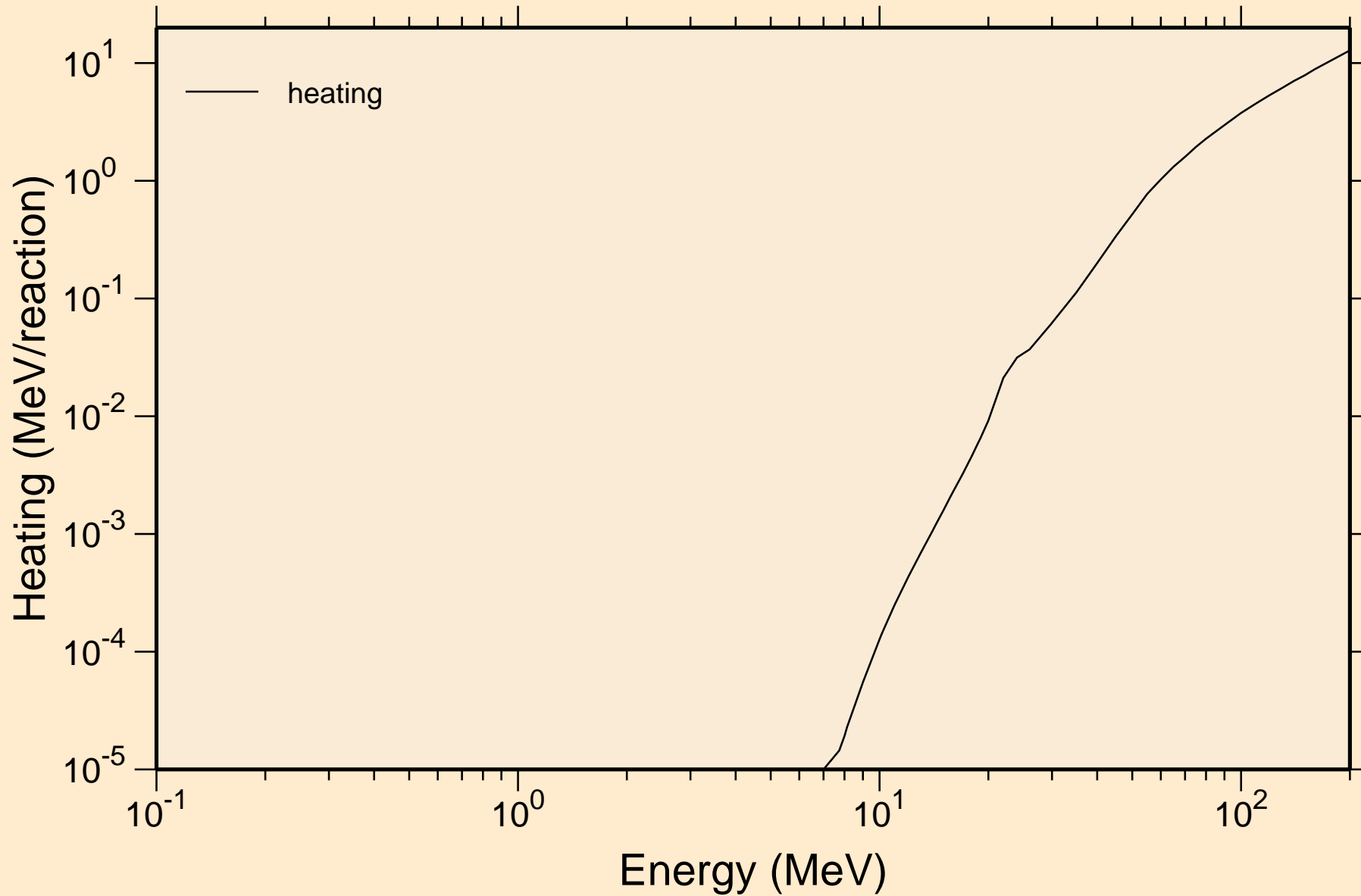


# ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections

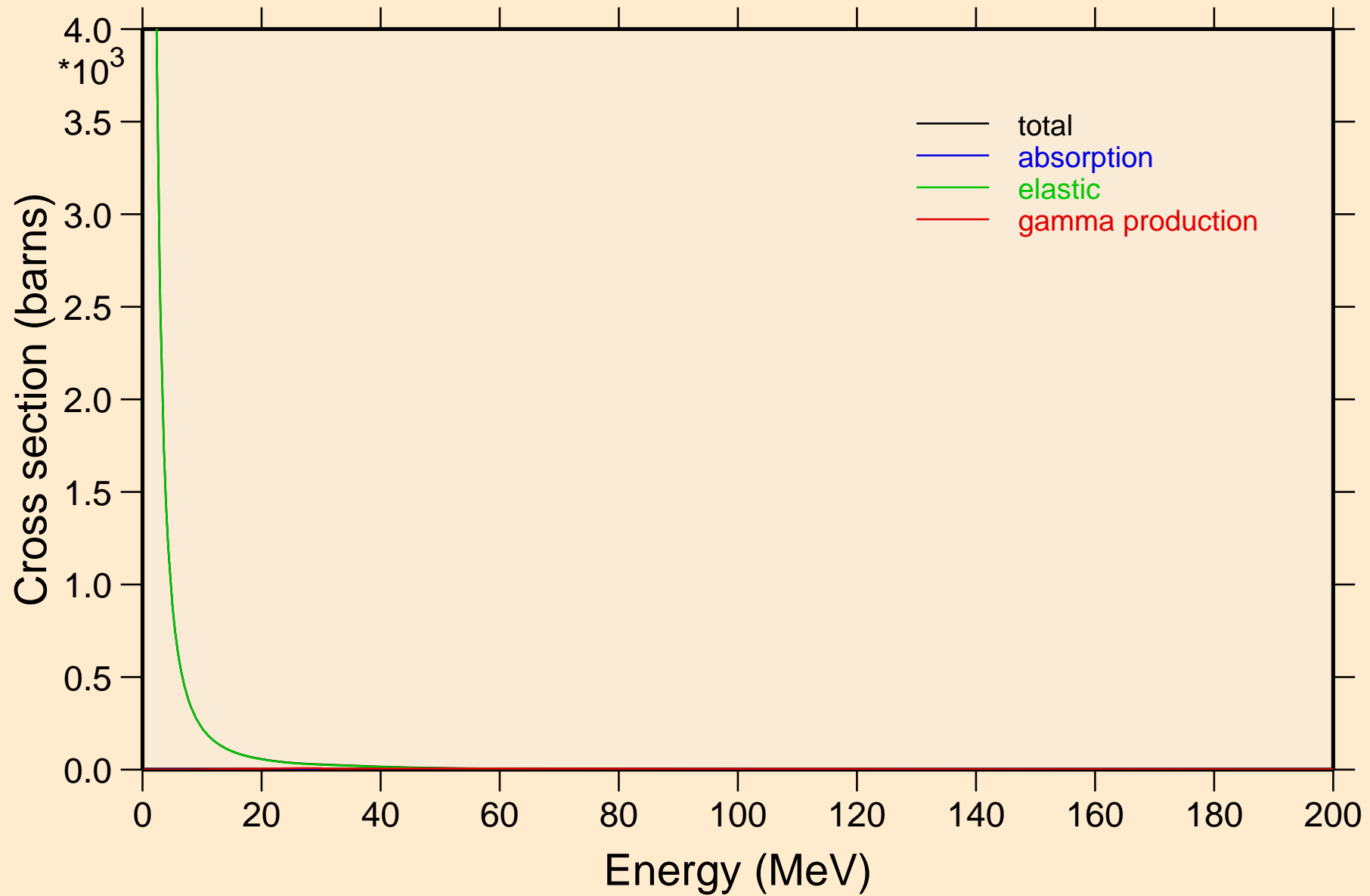


ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Heating



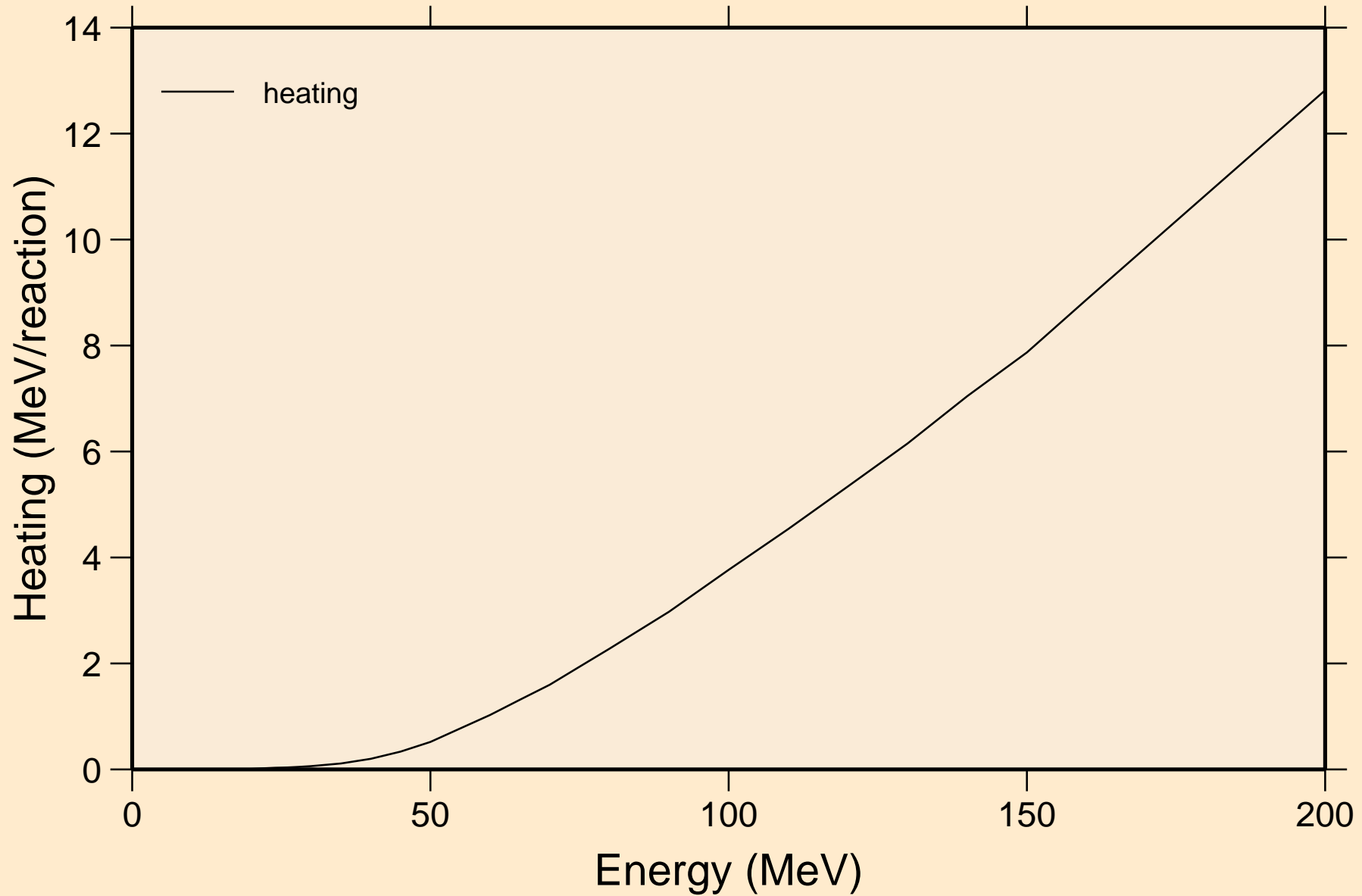
# ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



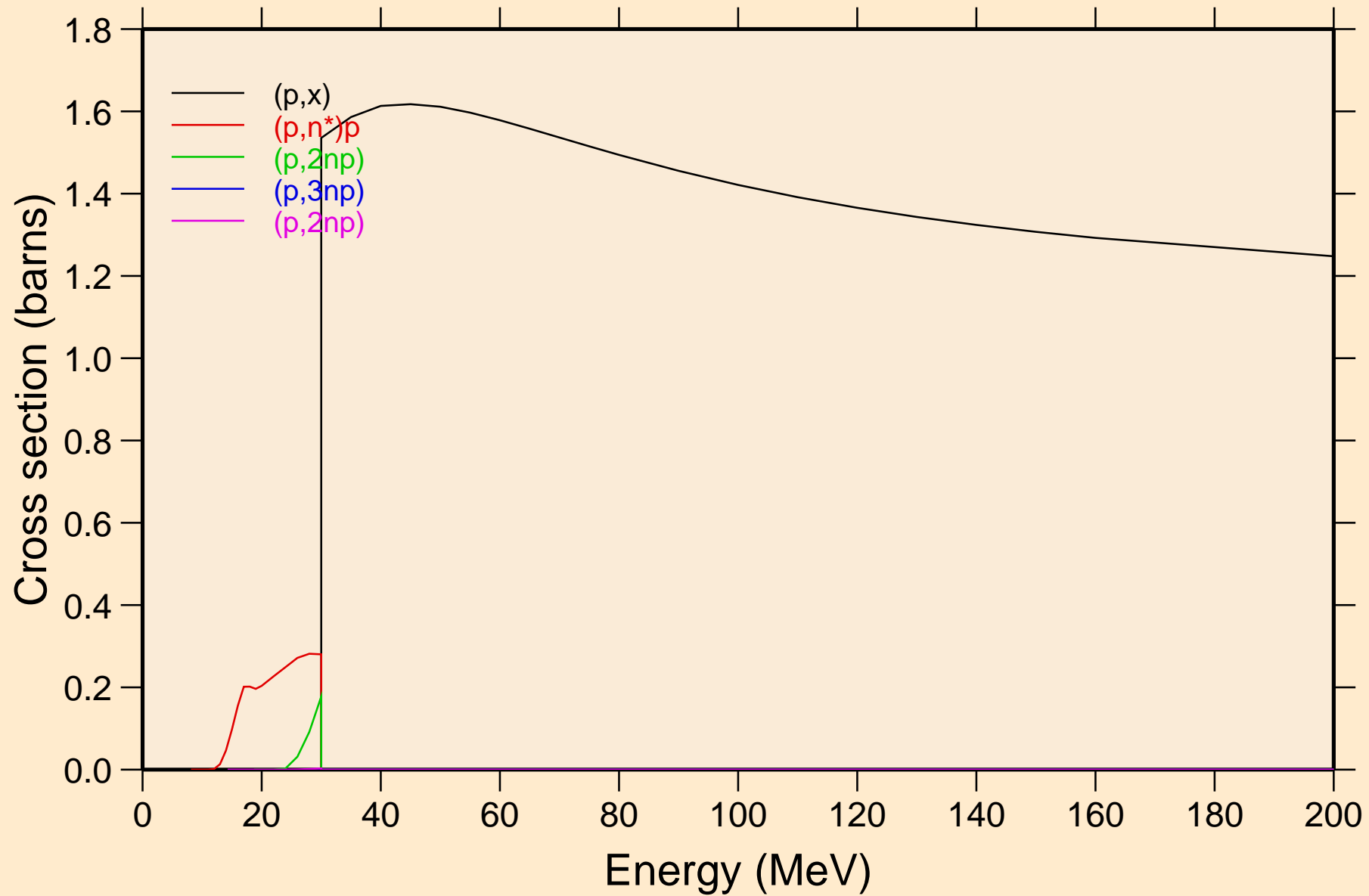
# ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Heating



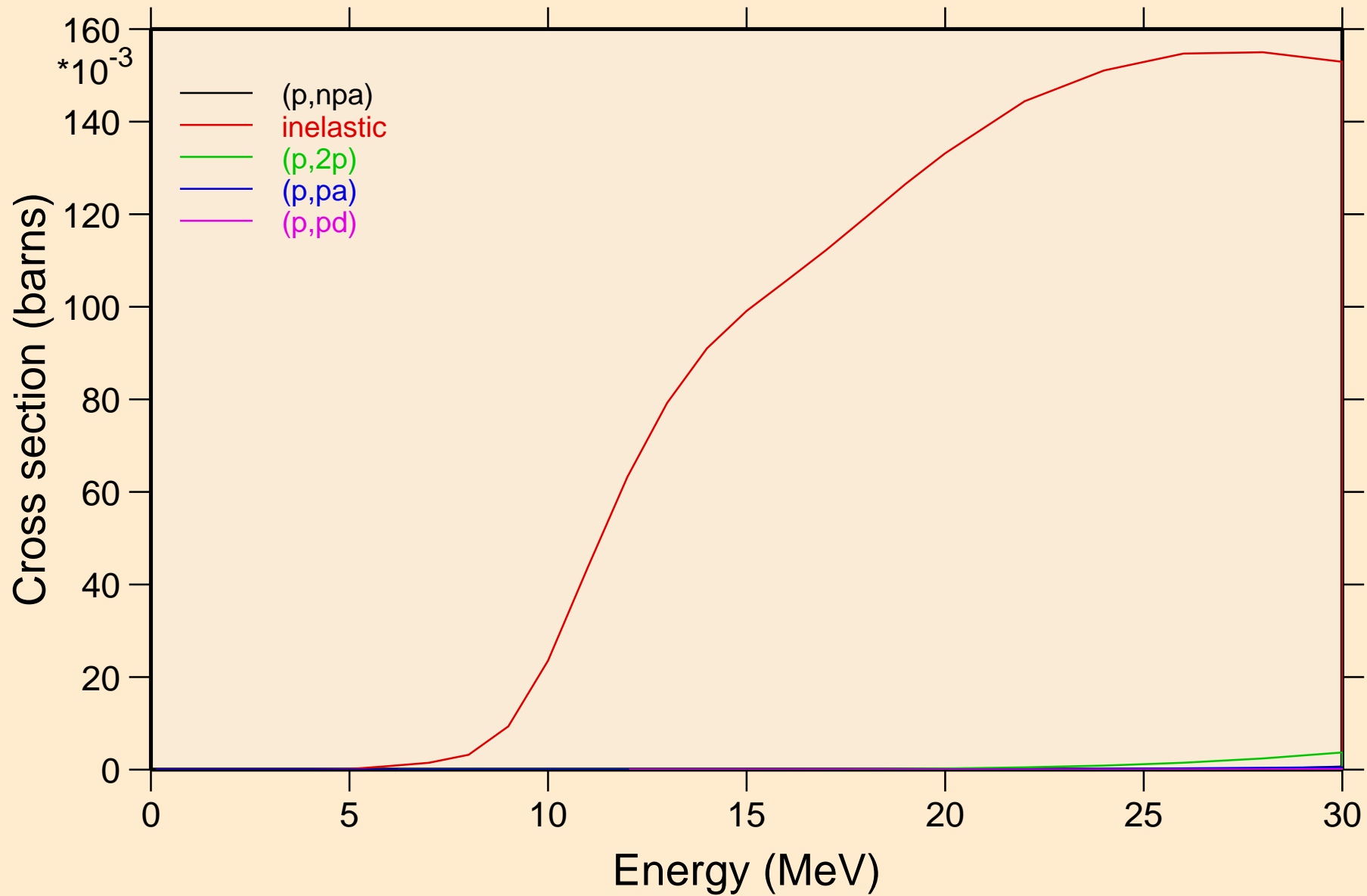
# ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions

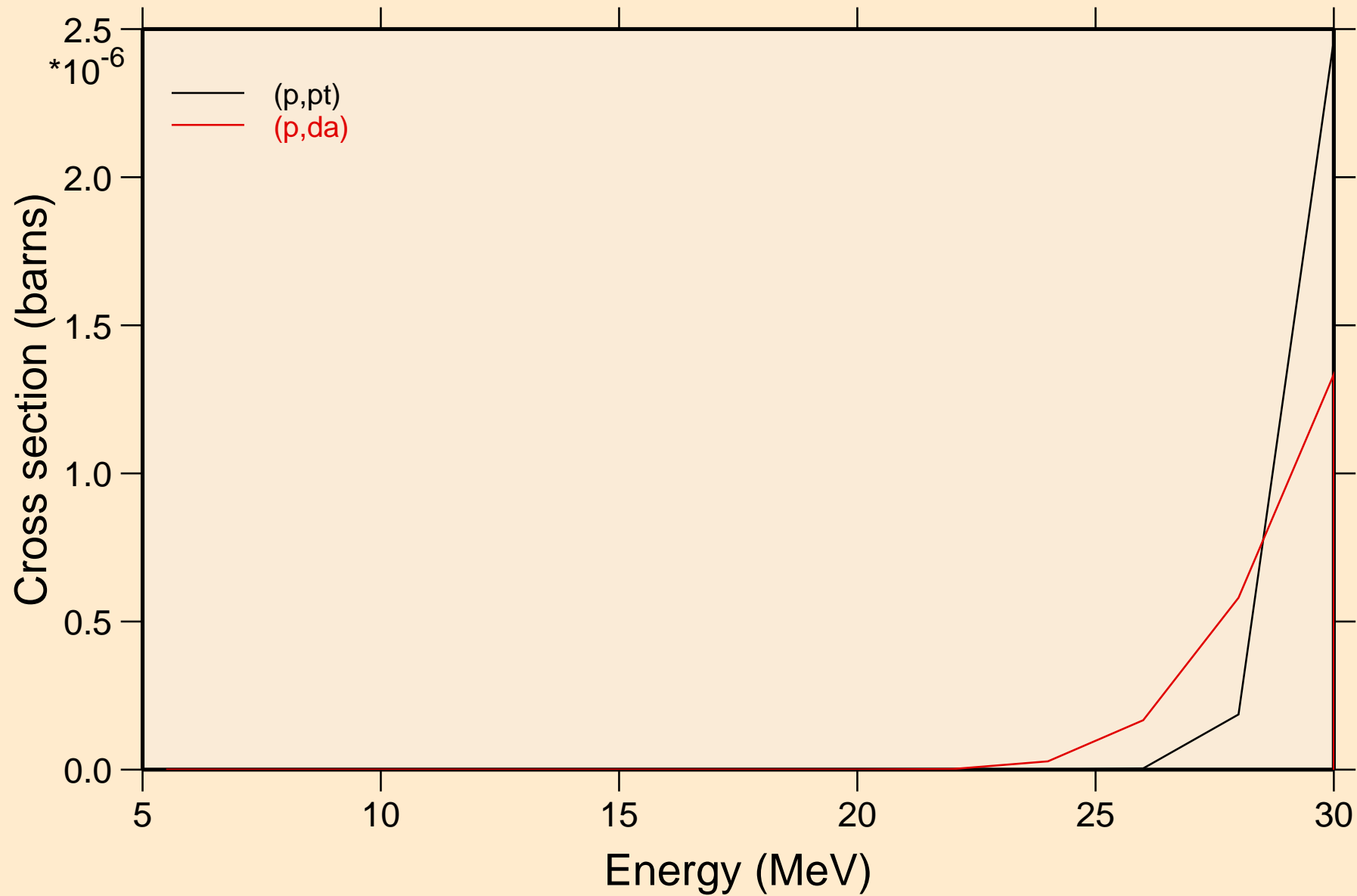


# ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K

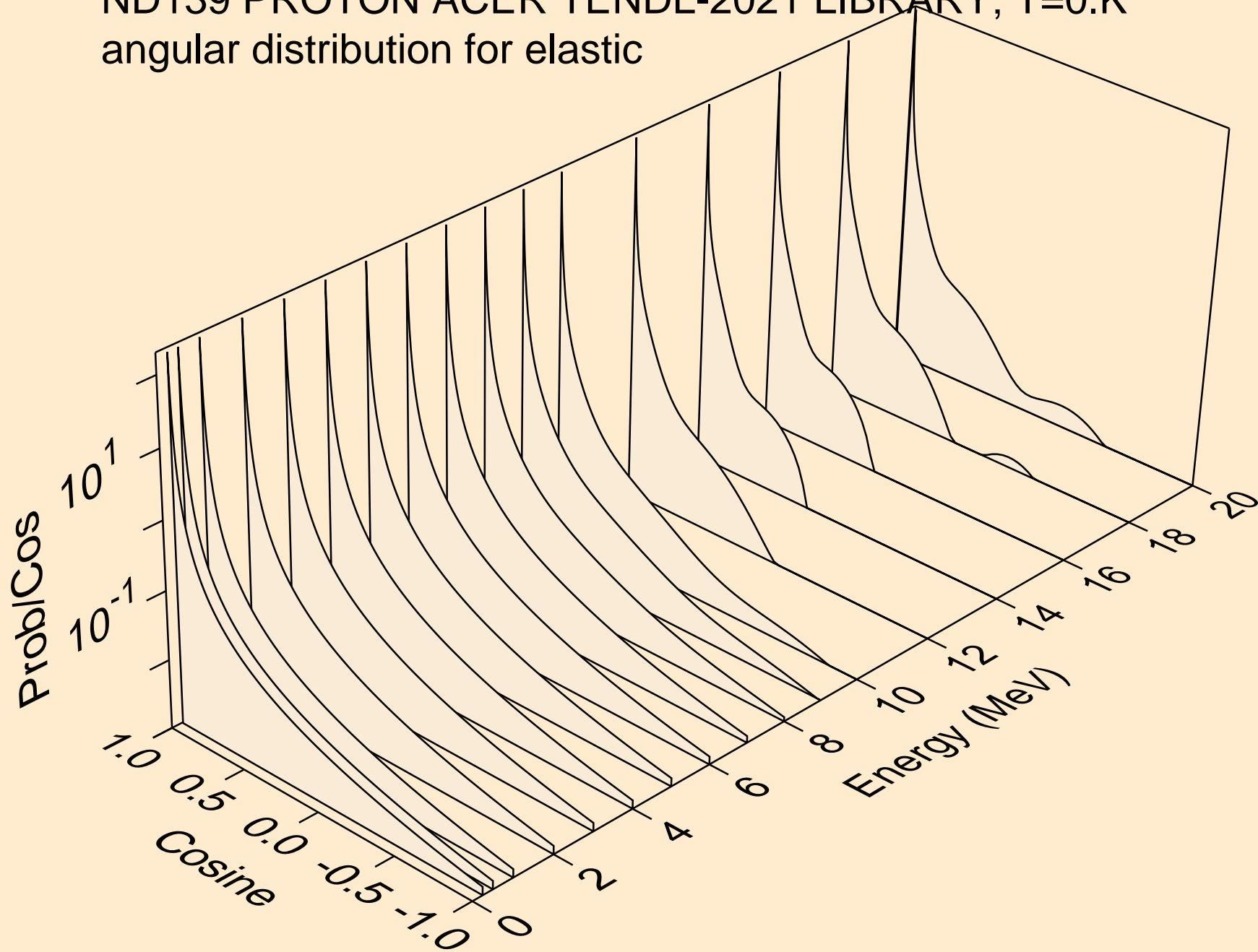
## Threshold reactions



ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

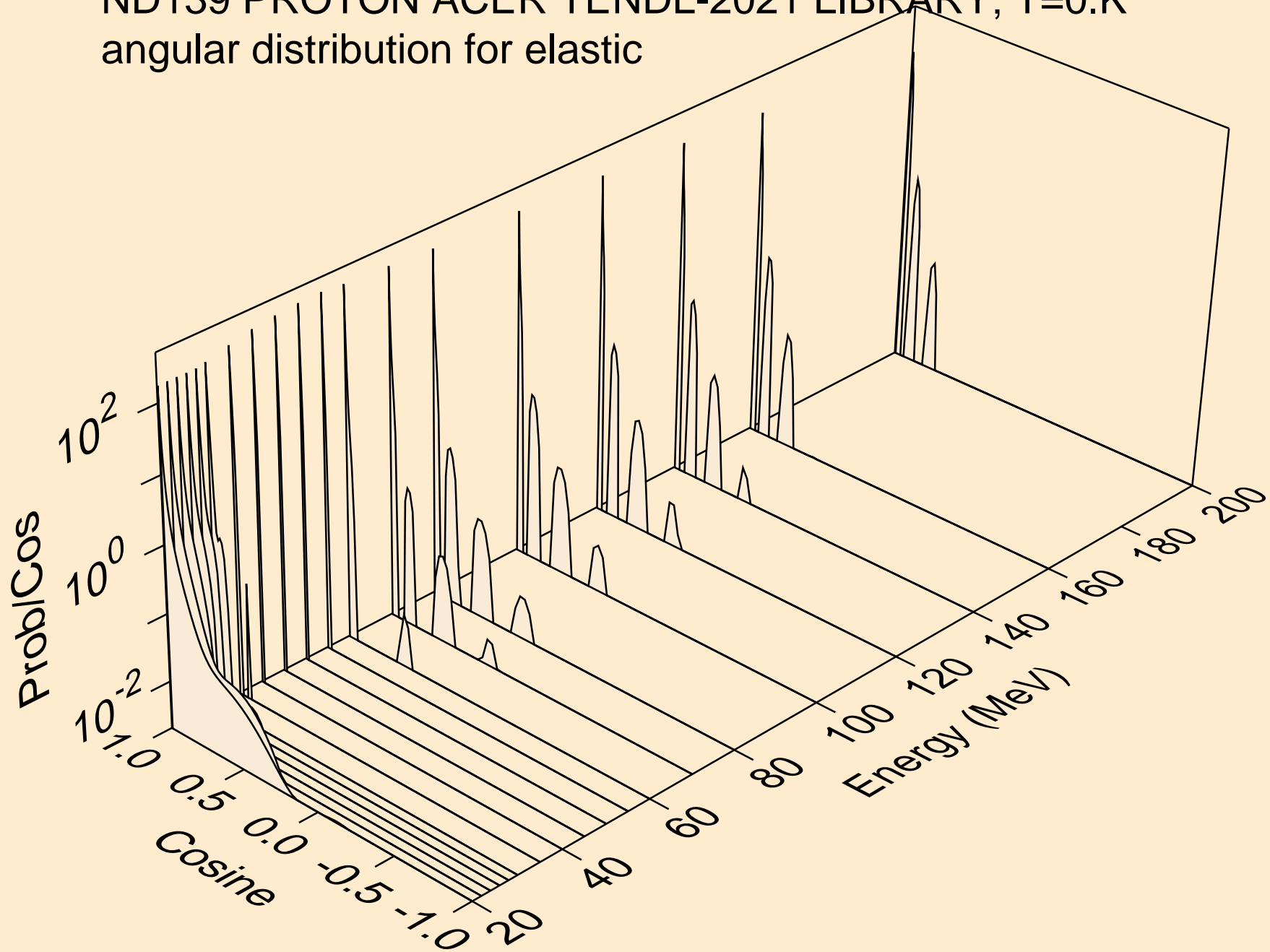


ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic

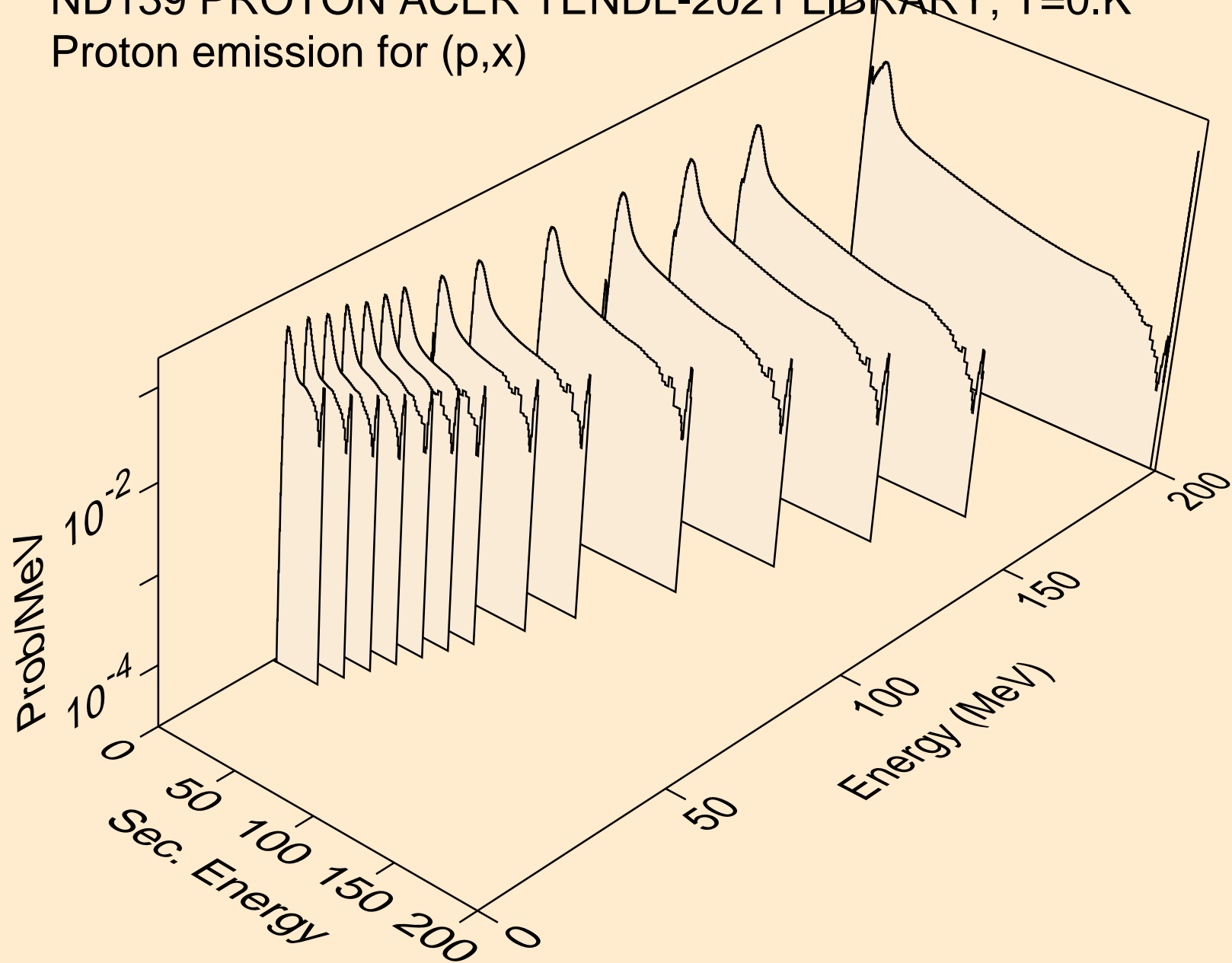




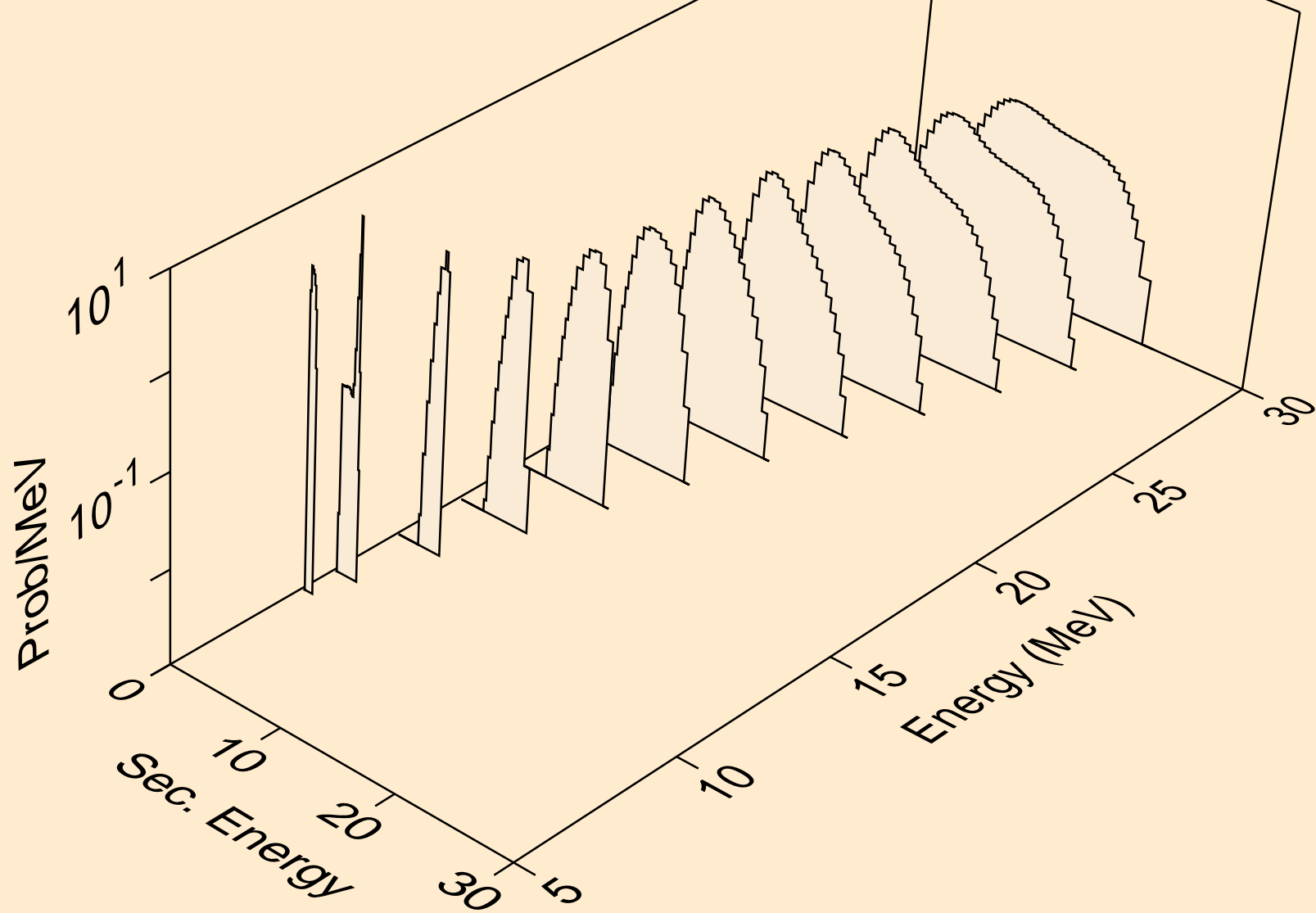
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



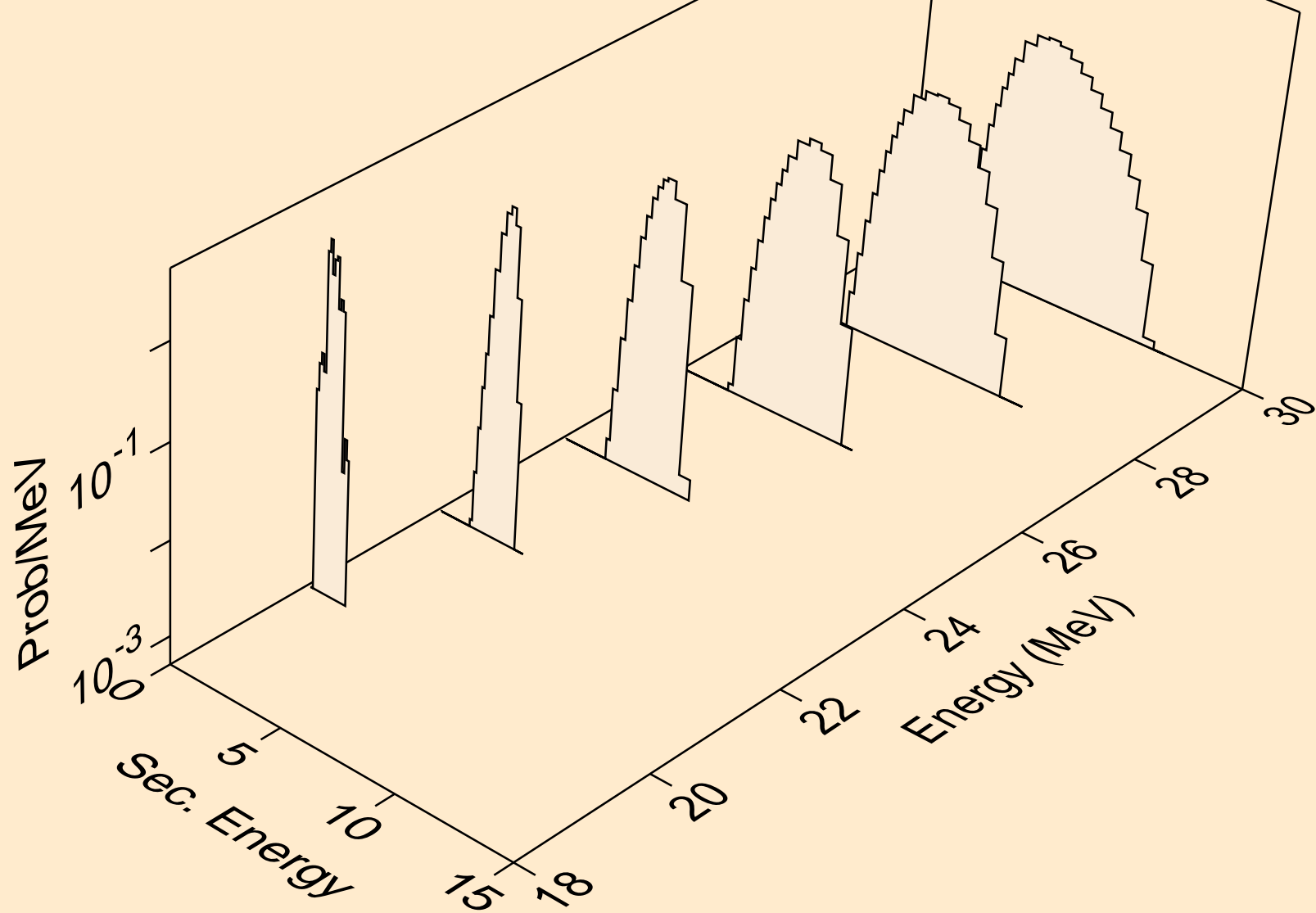
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,x)



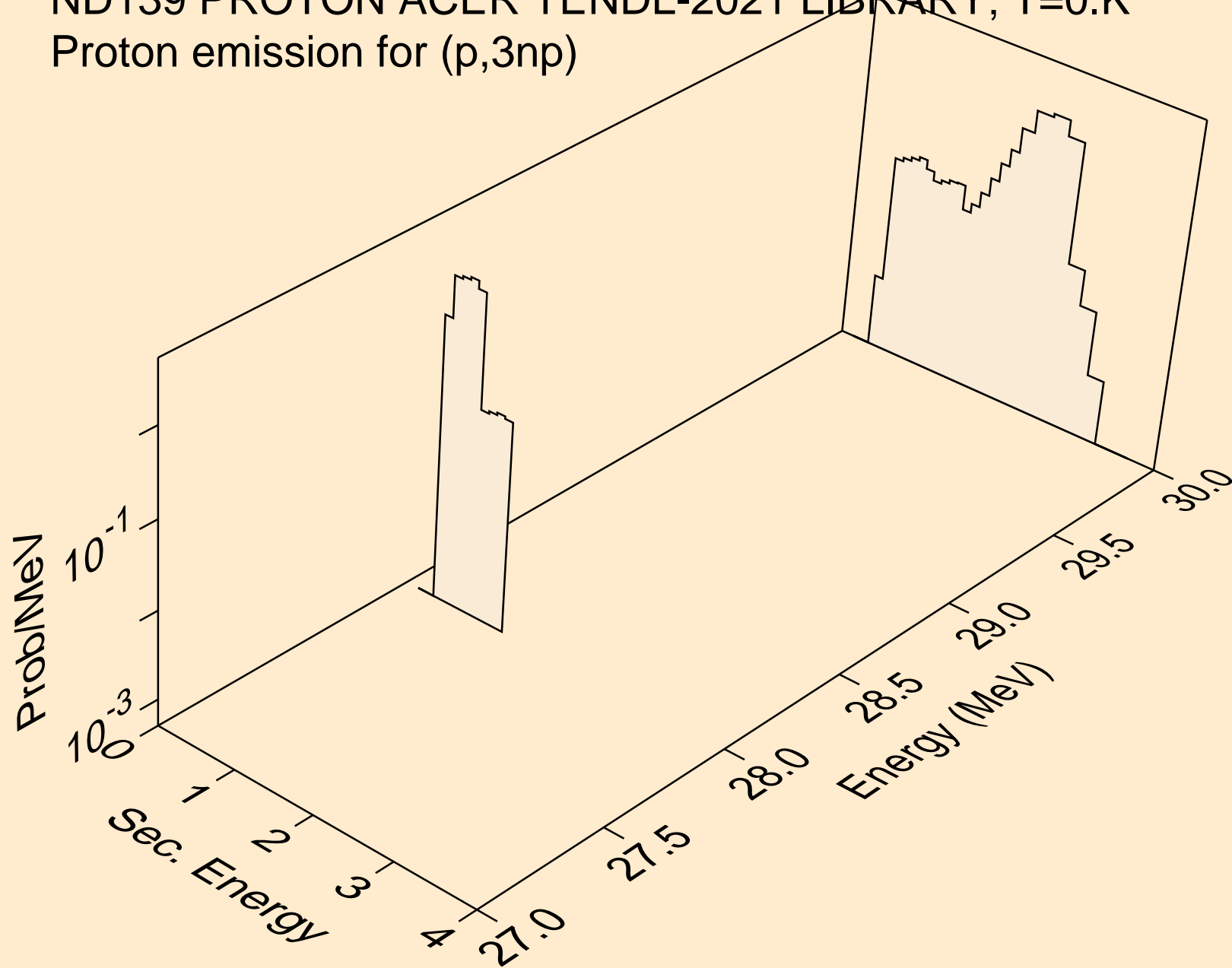
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



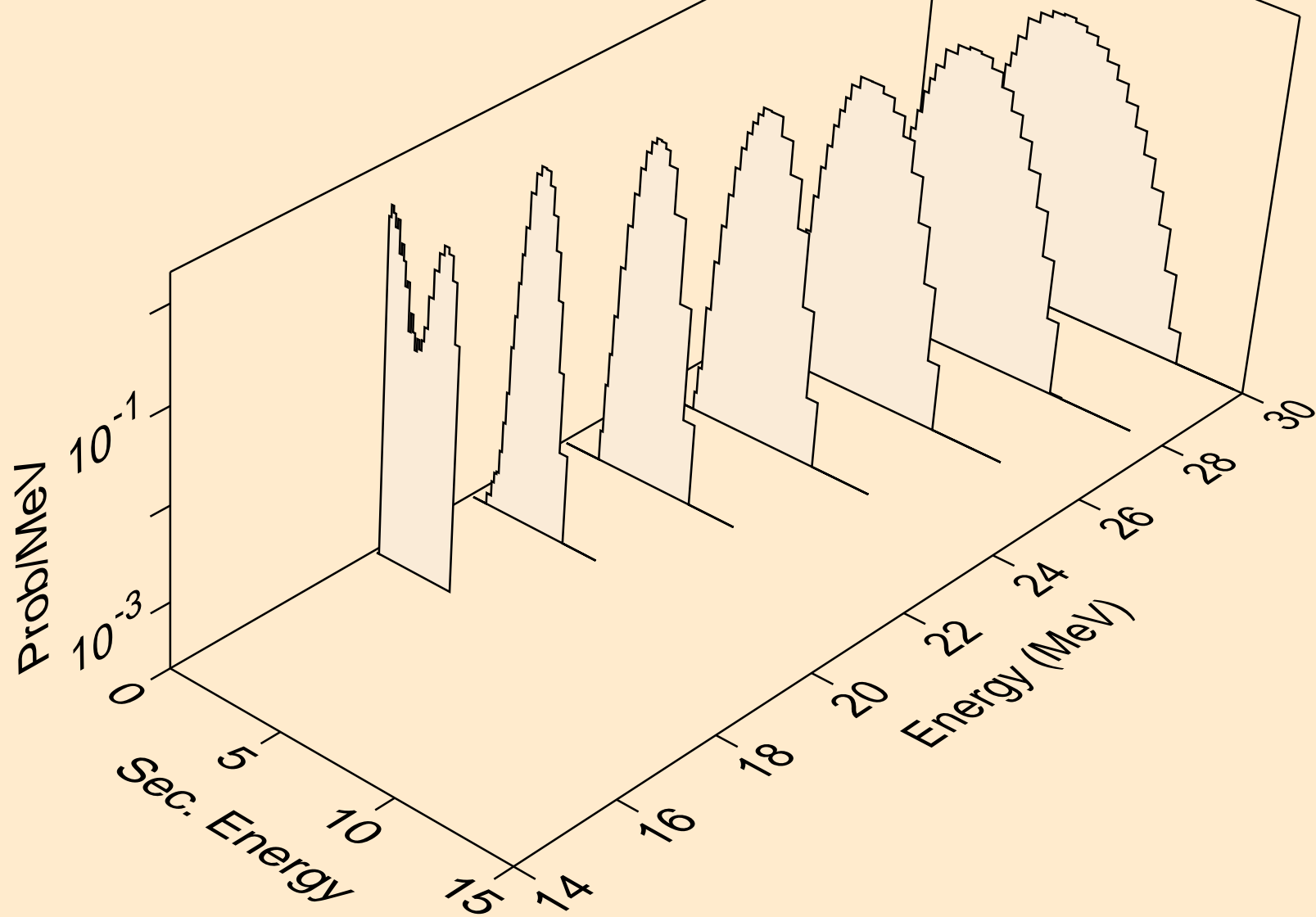
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



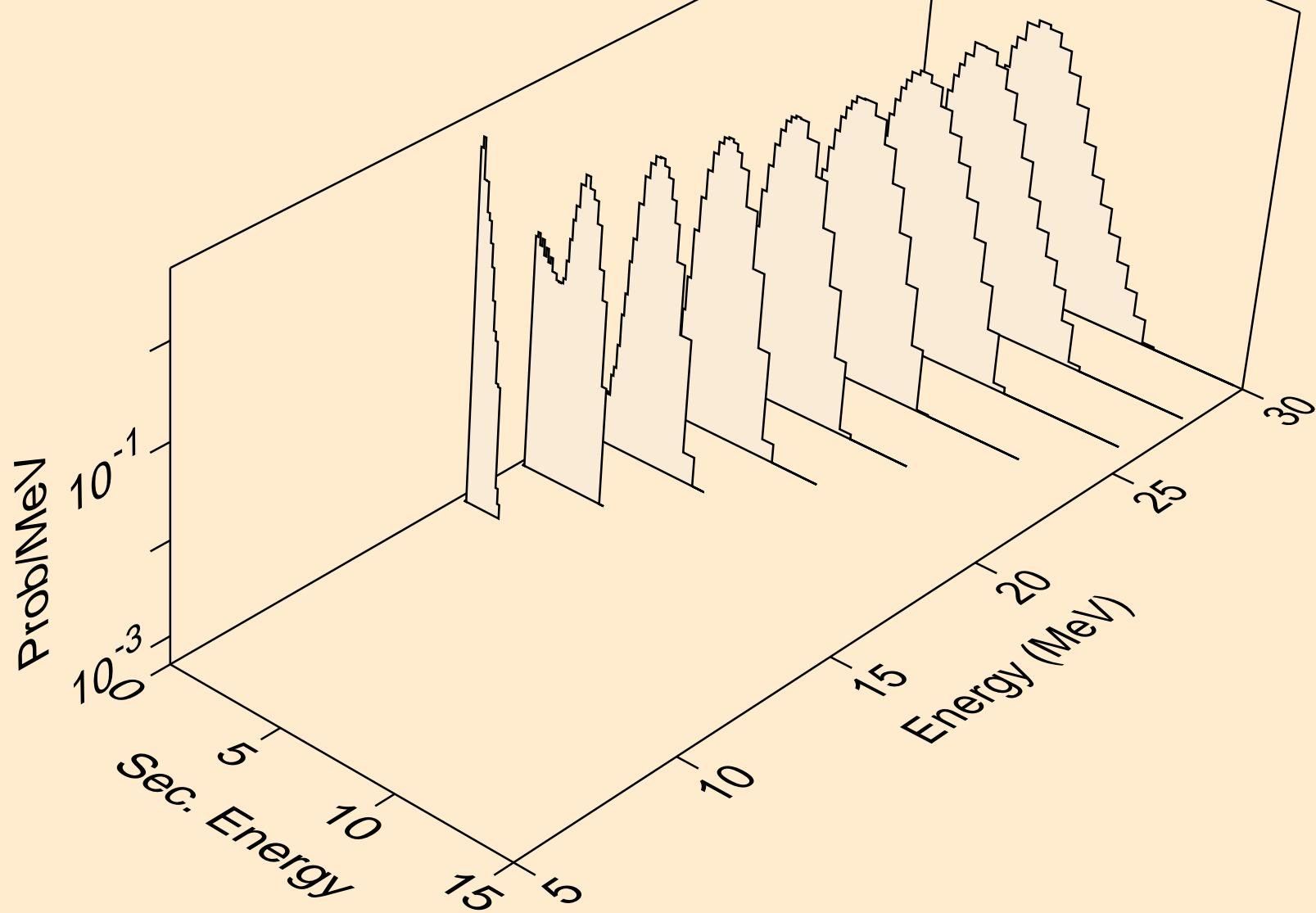
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,3np)



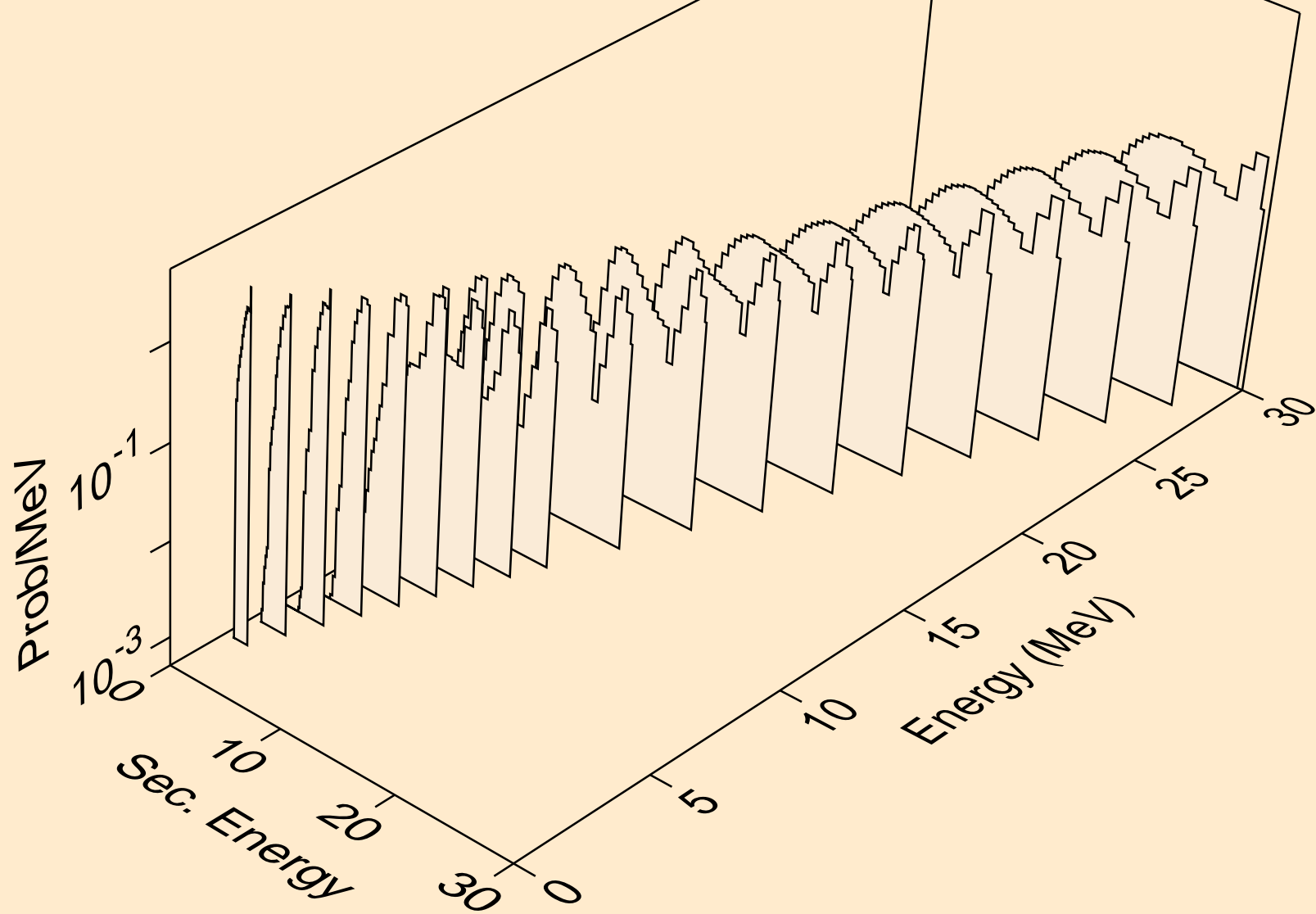
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,npa)

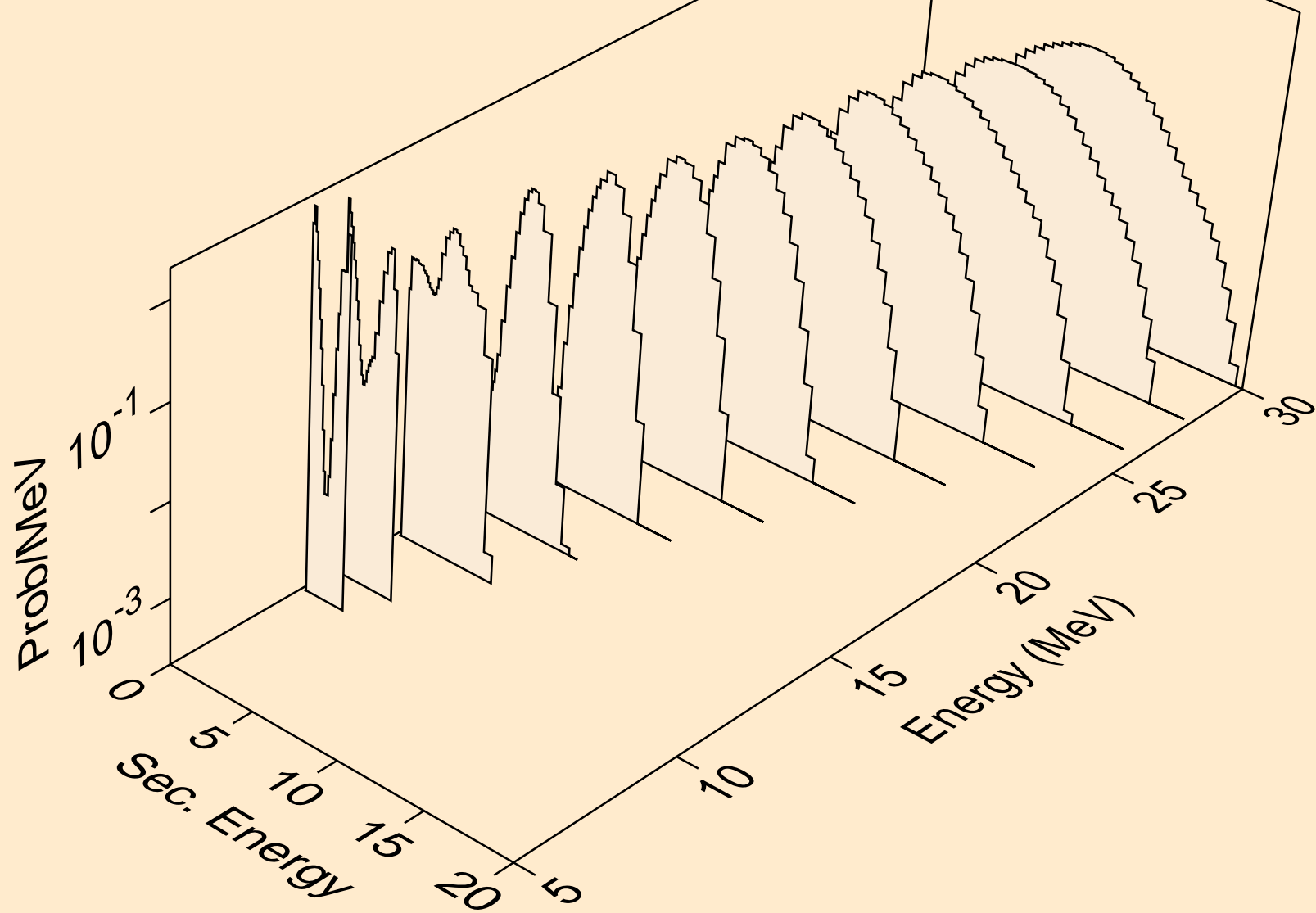


ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for inelastic

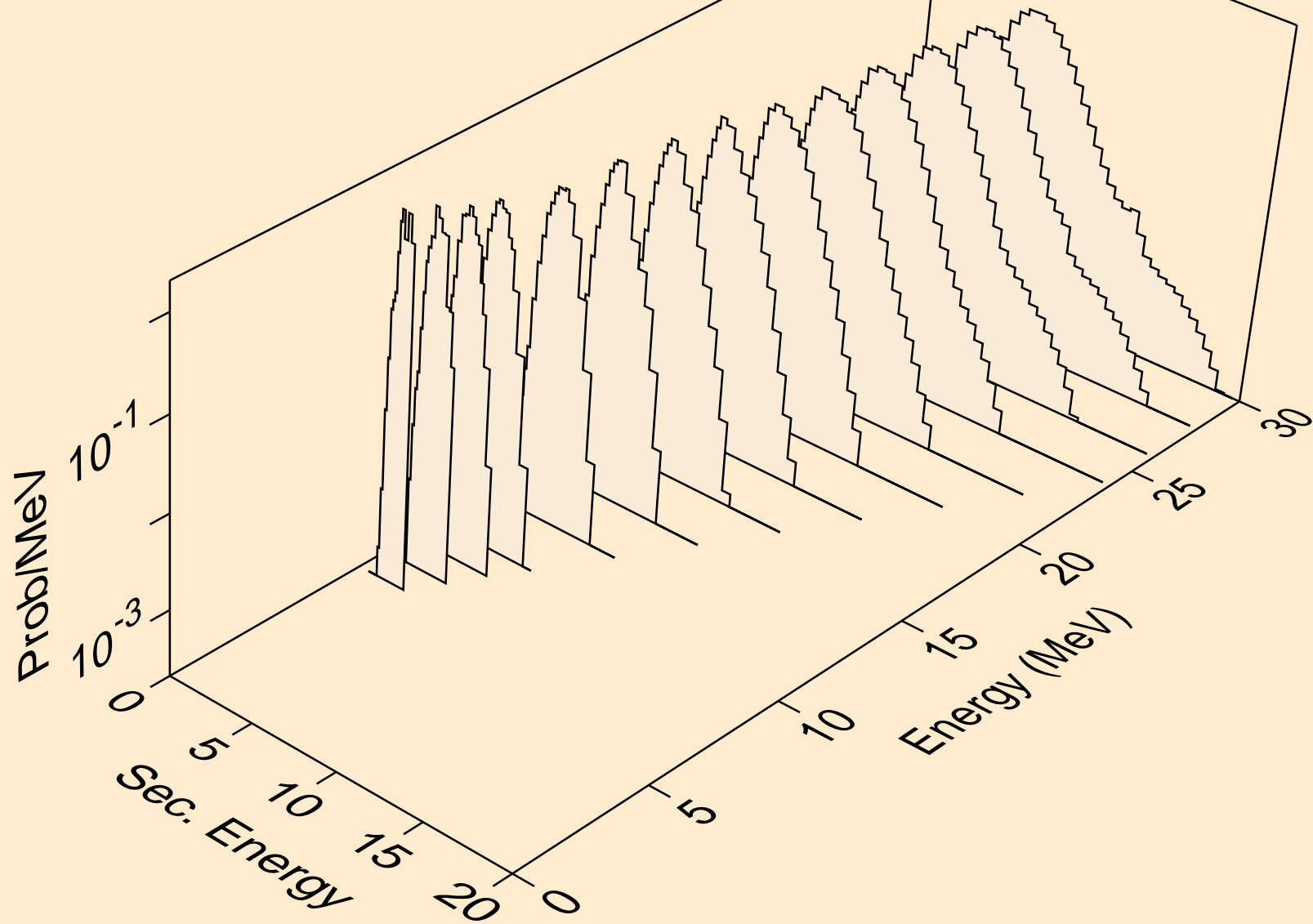




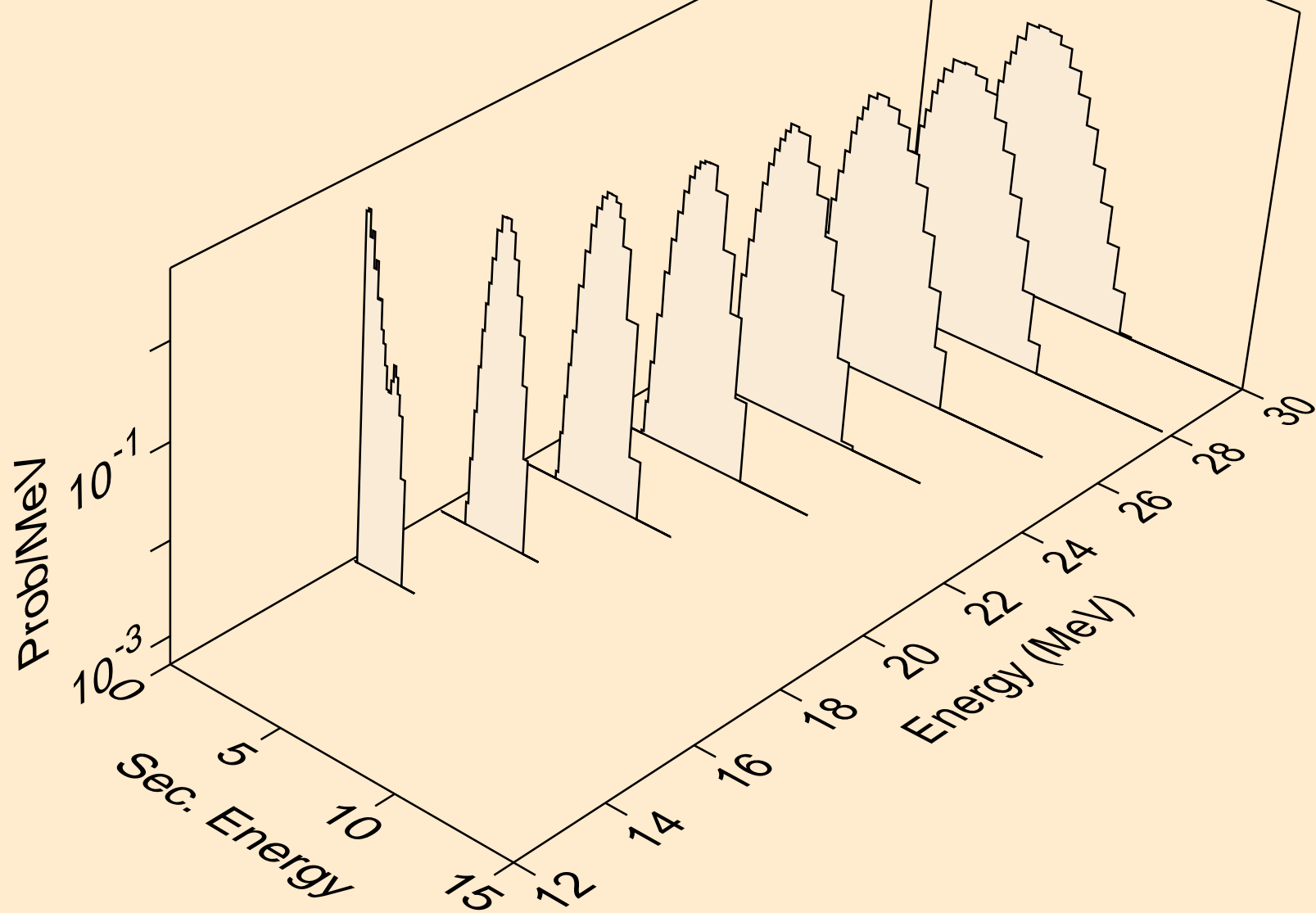
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2p)



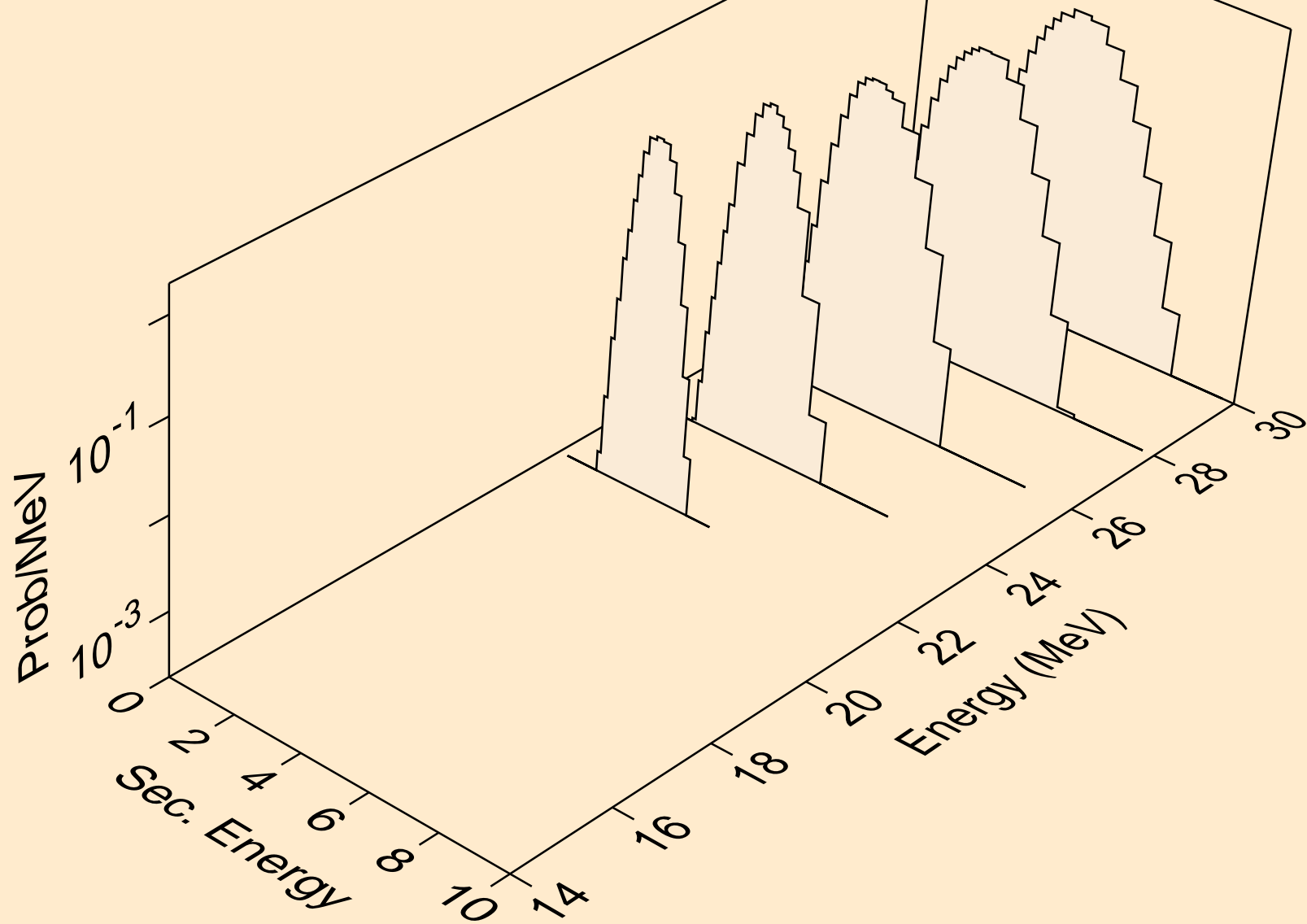
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pa)



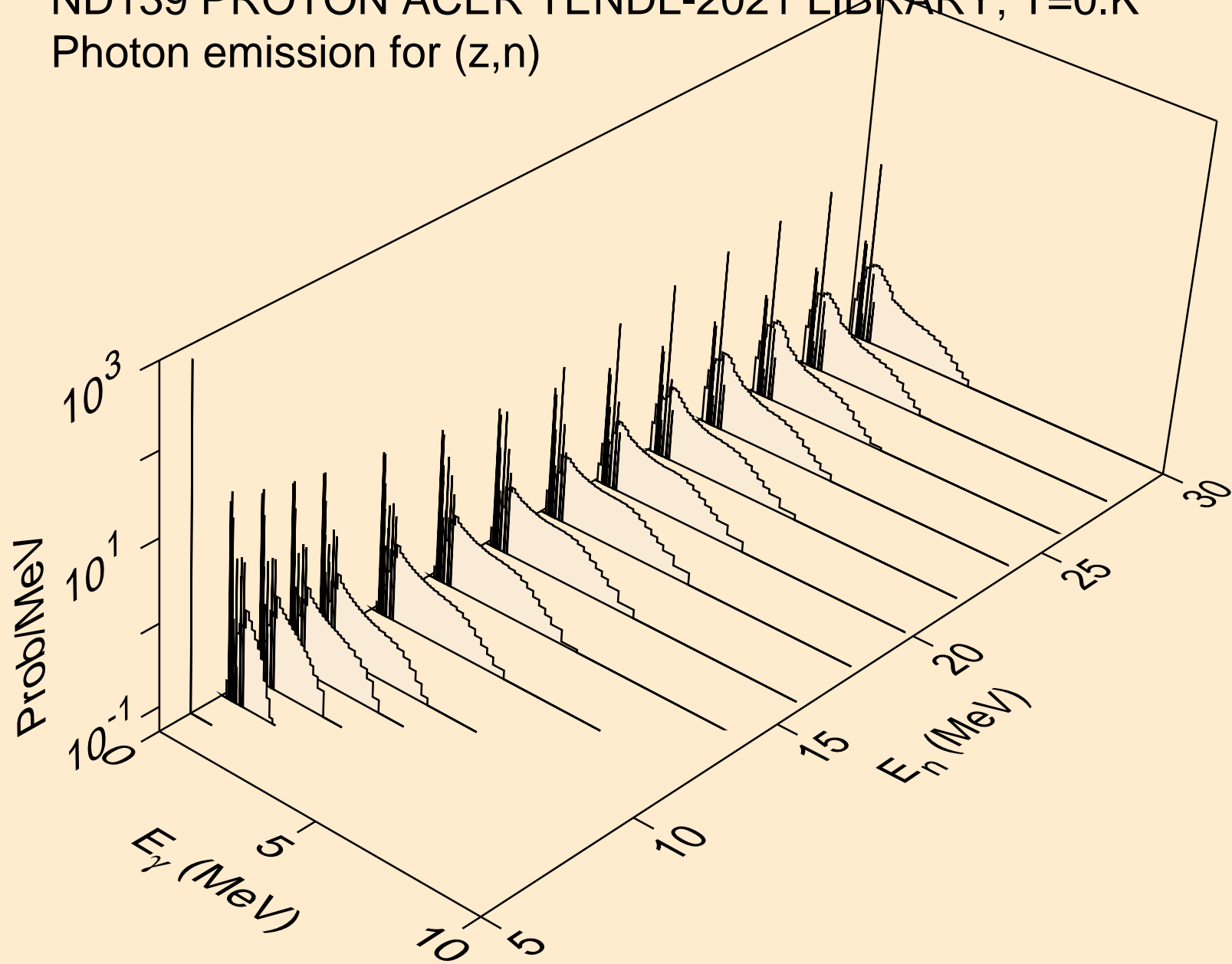
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pd)



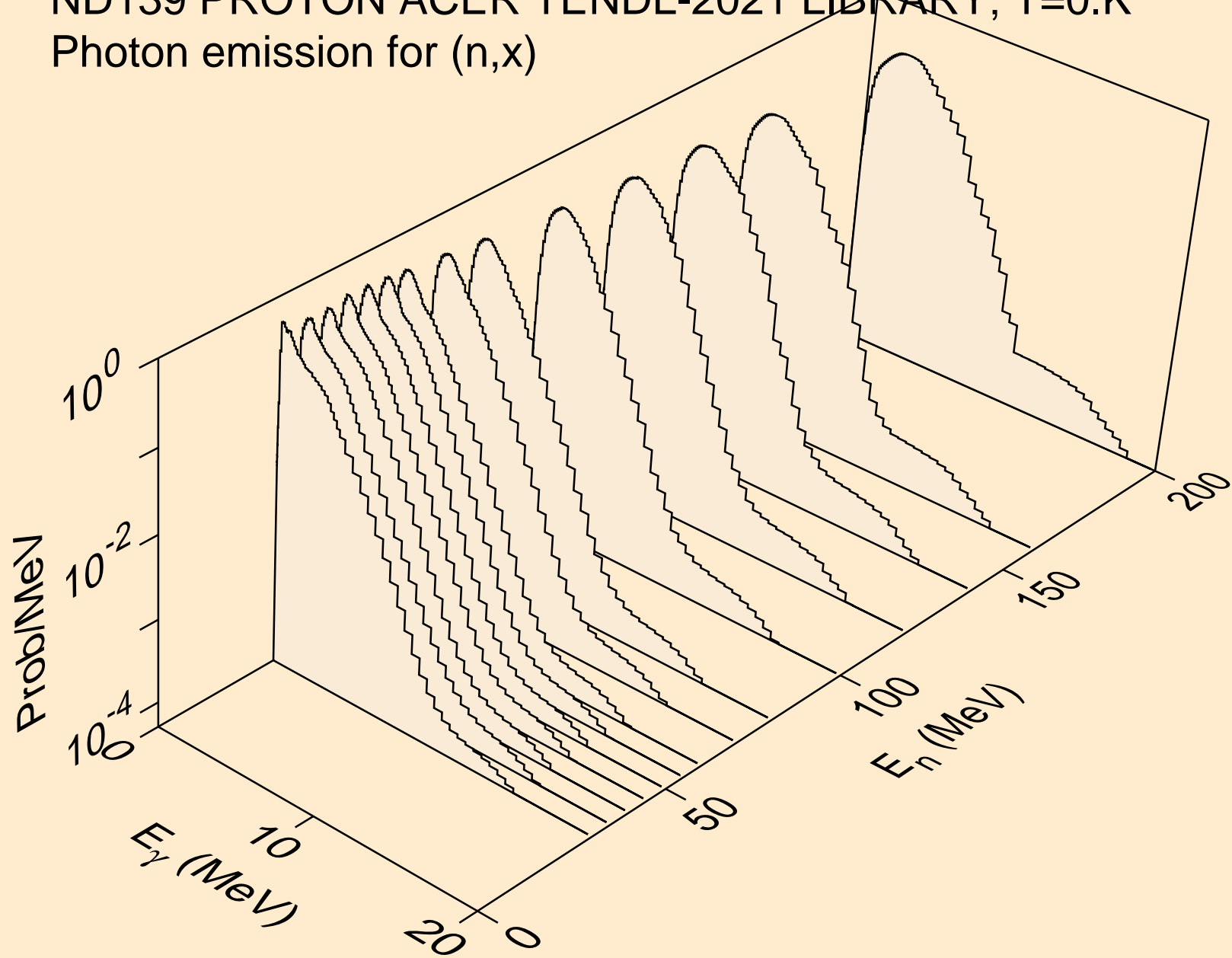
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pt)



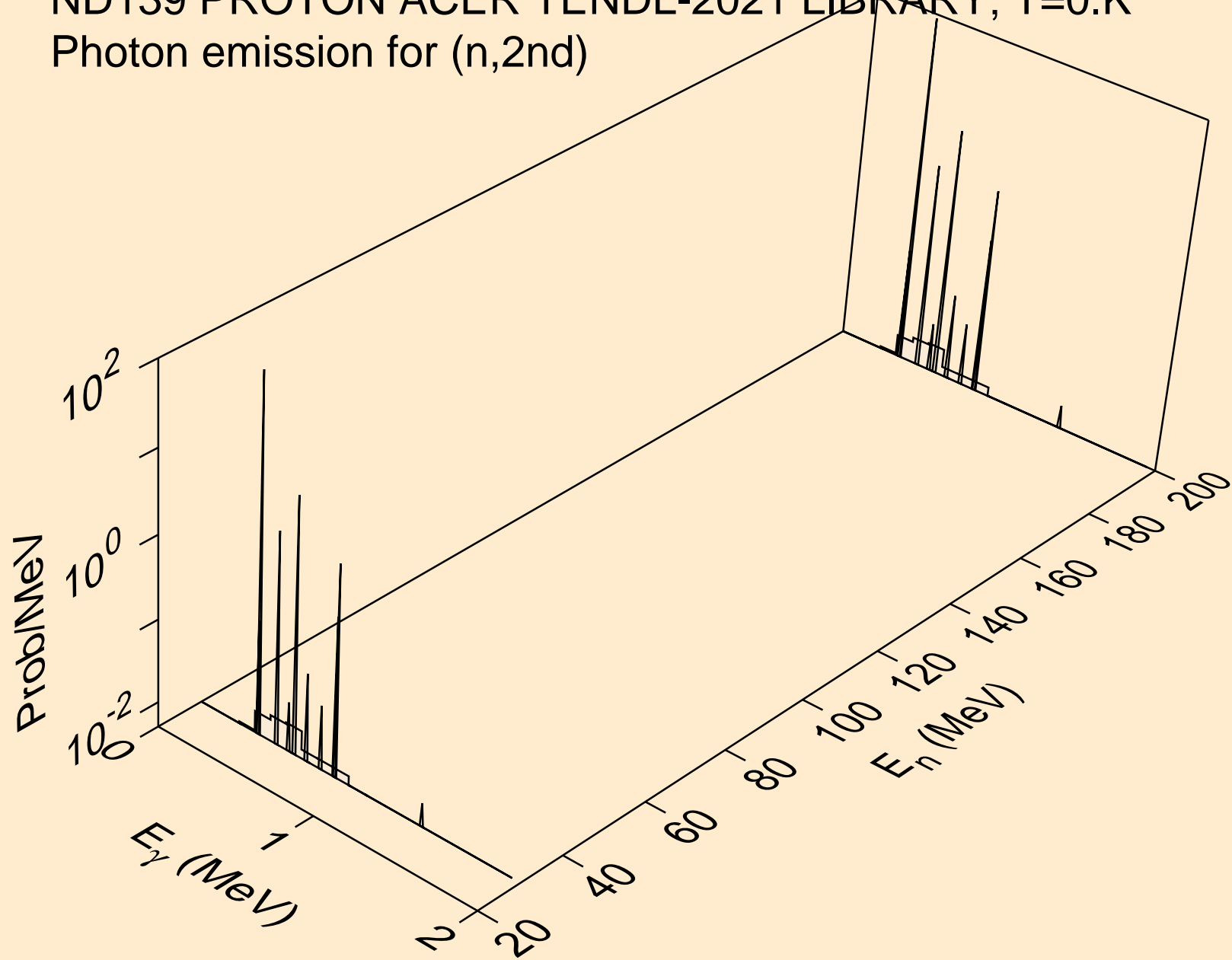
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



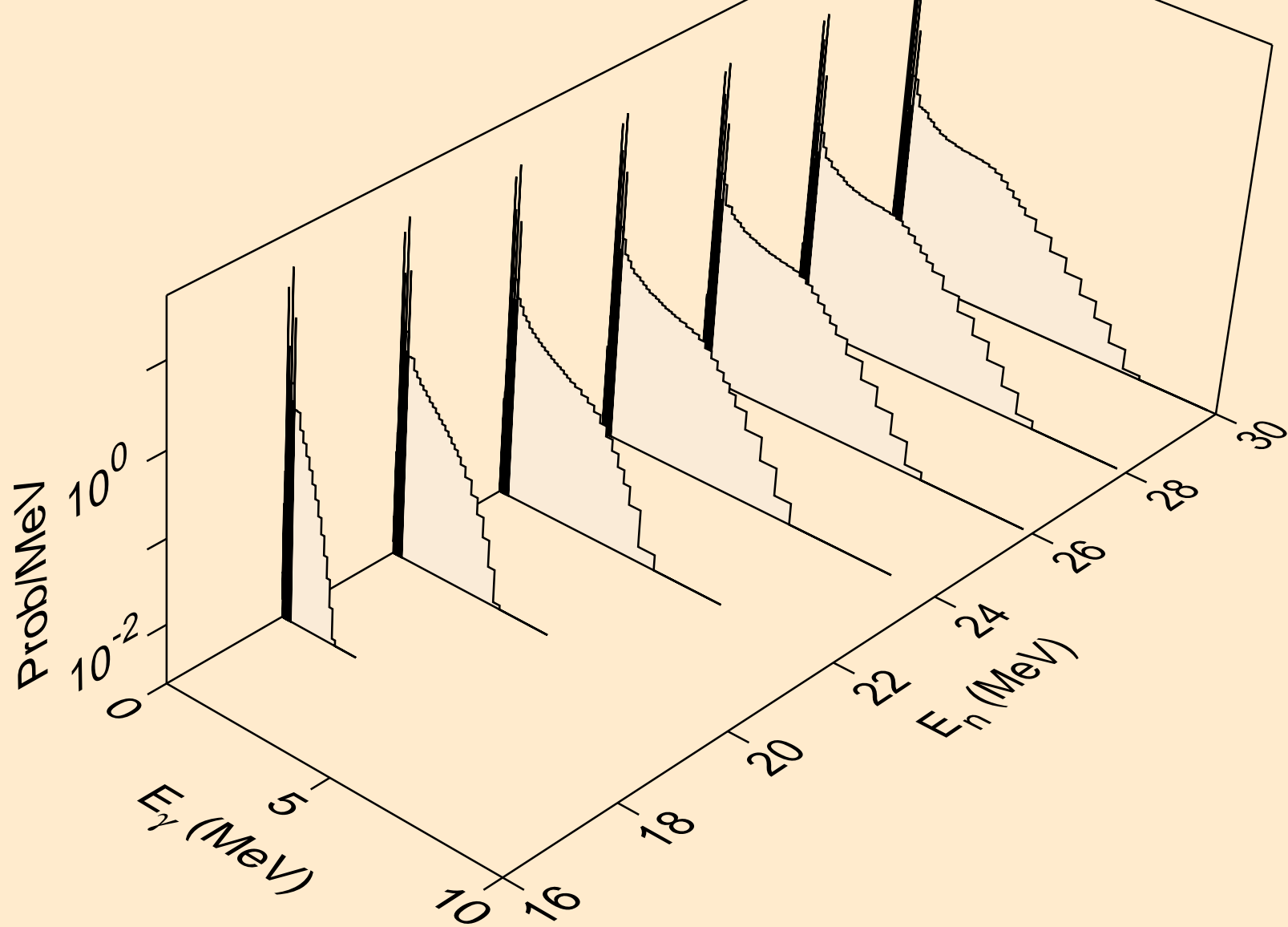
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)

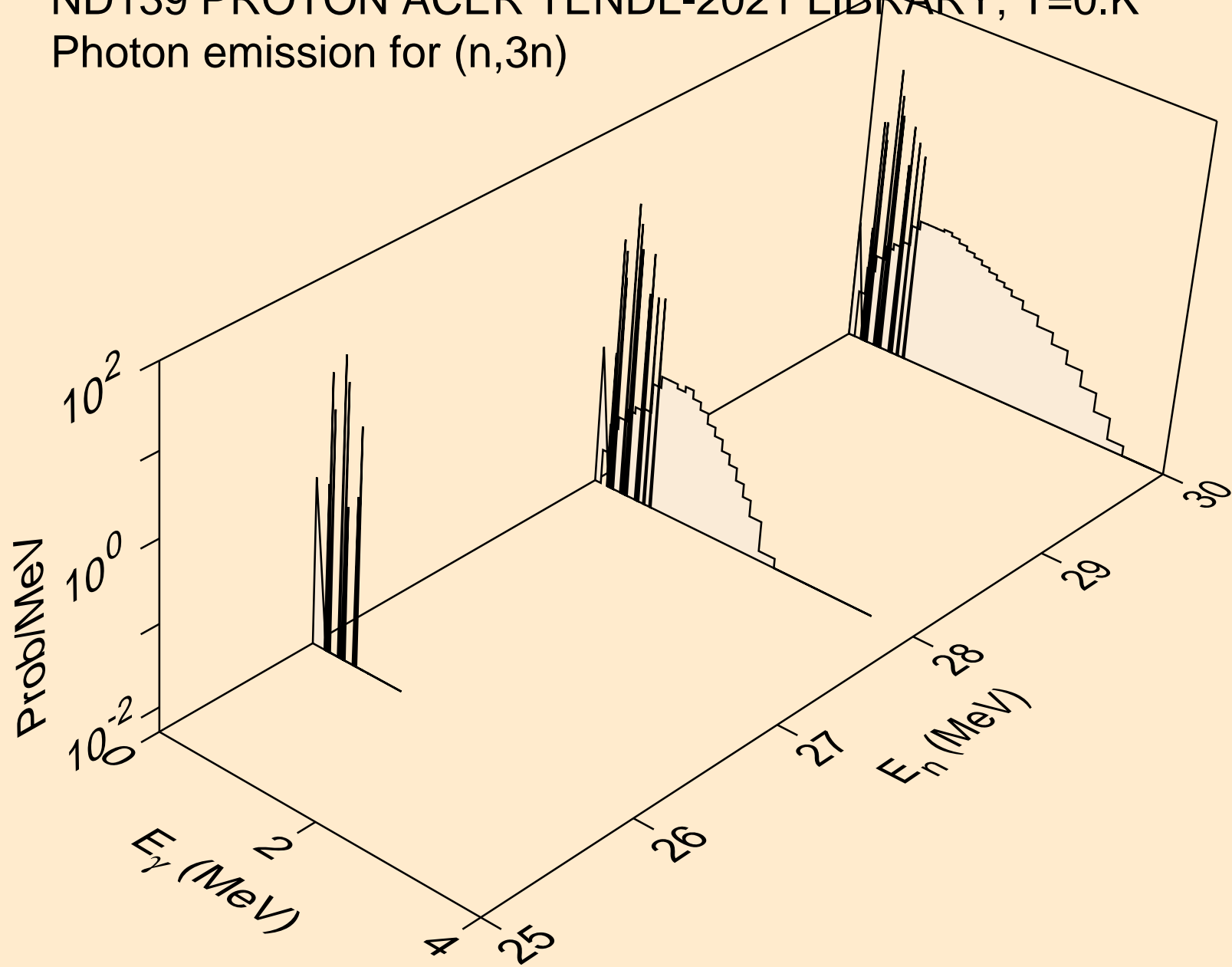


ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)

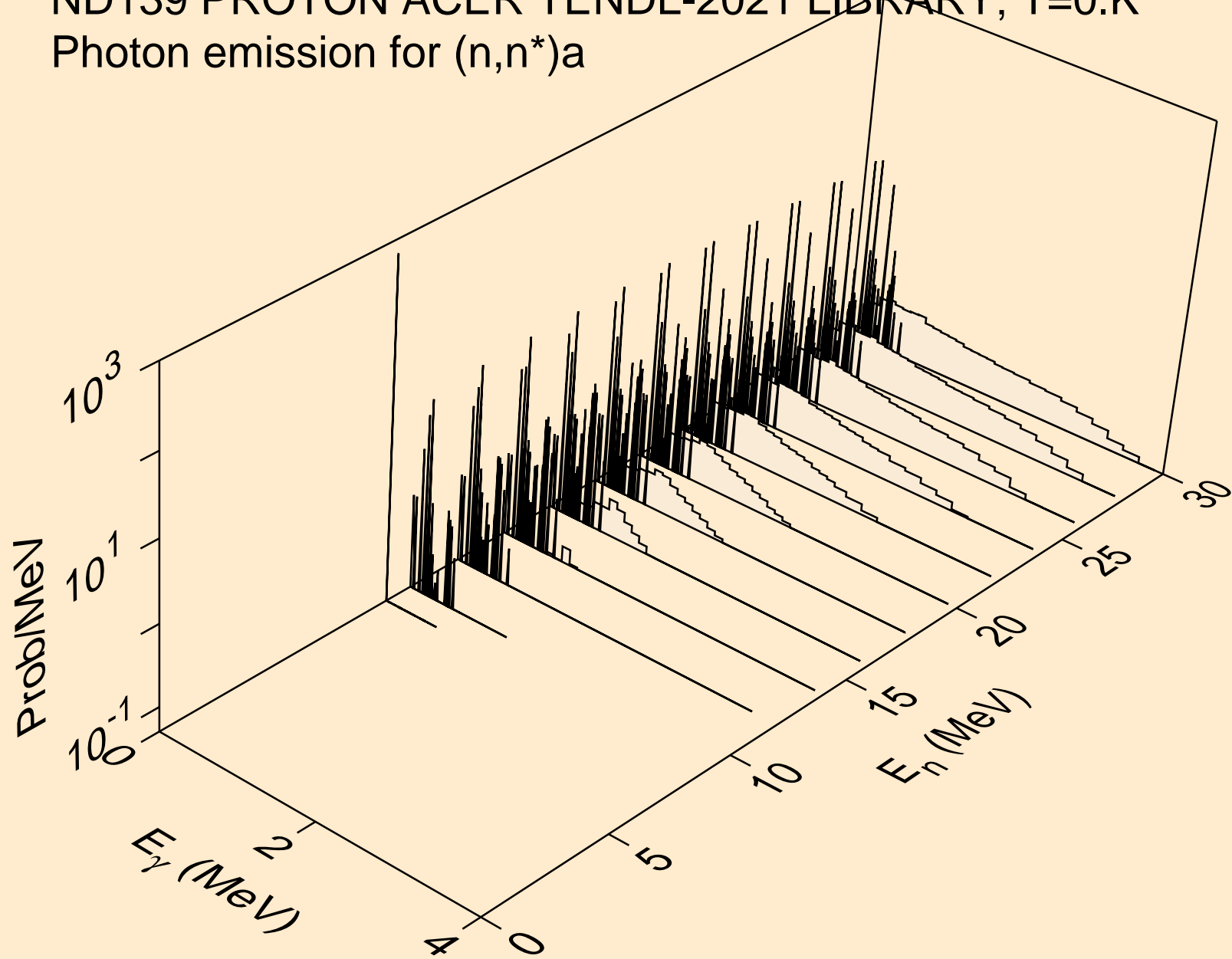




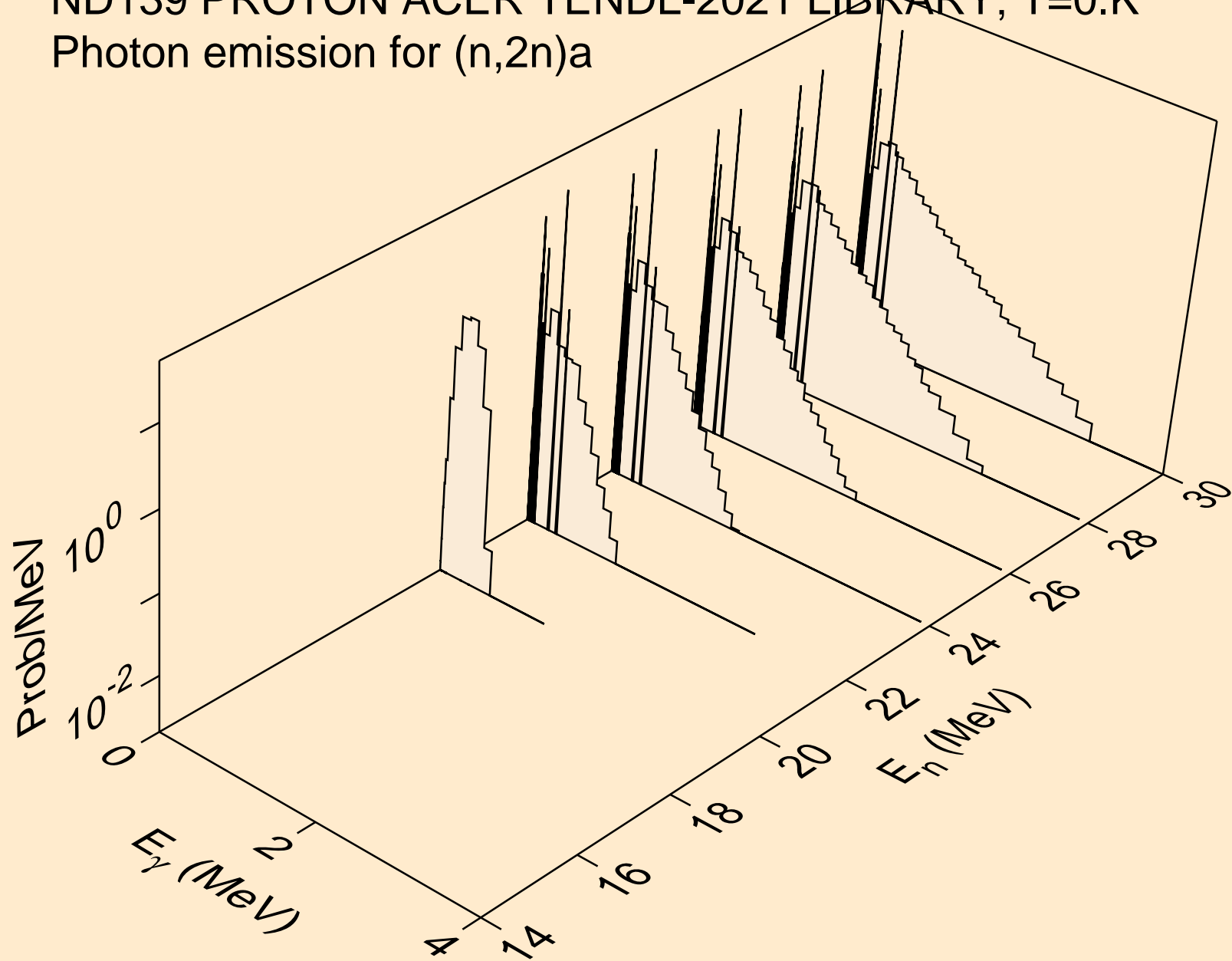
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)



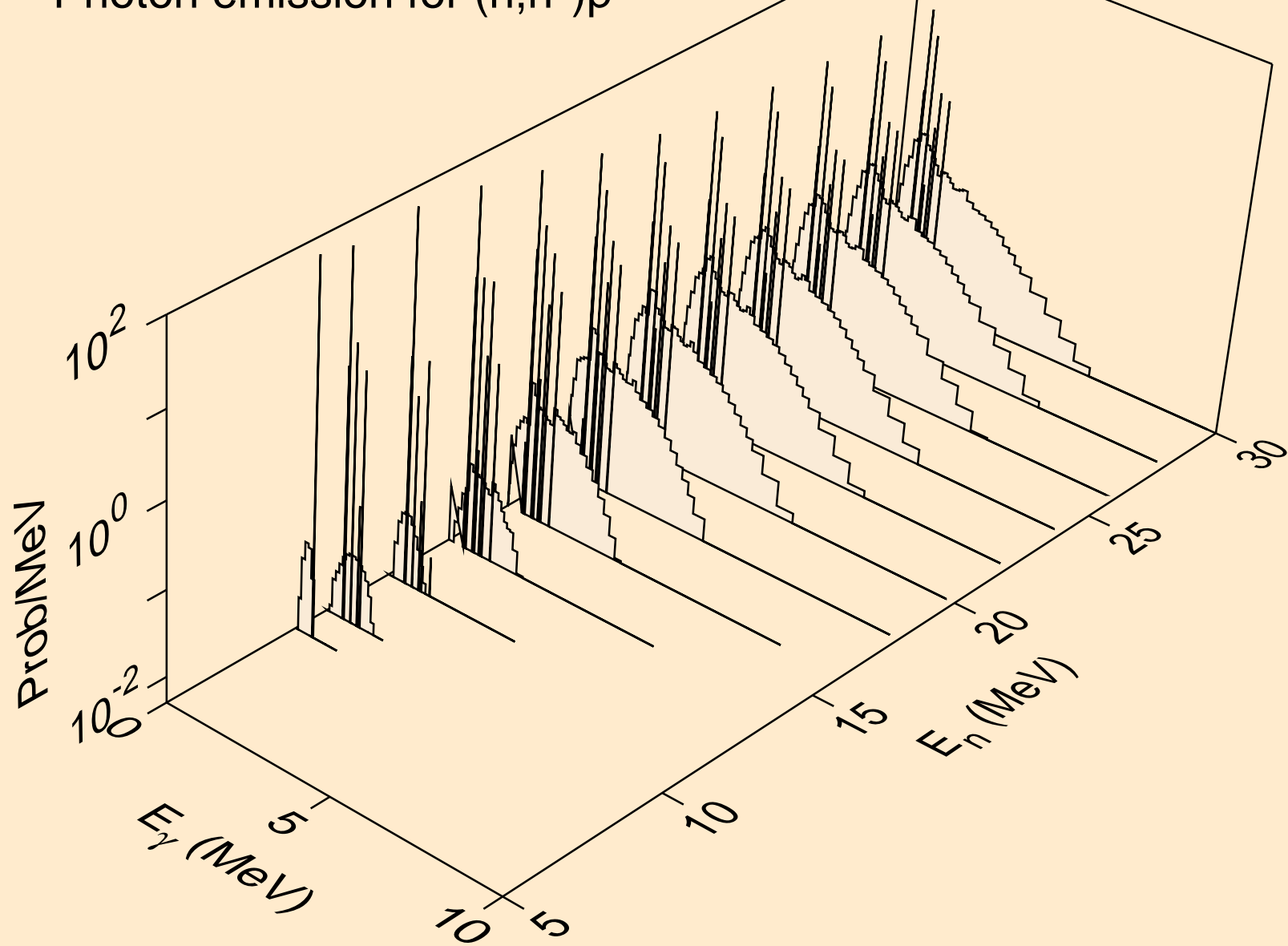
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



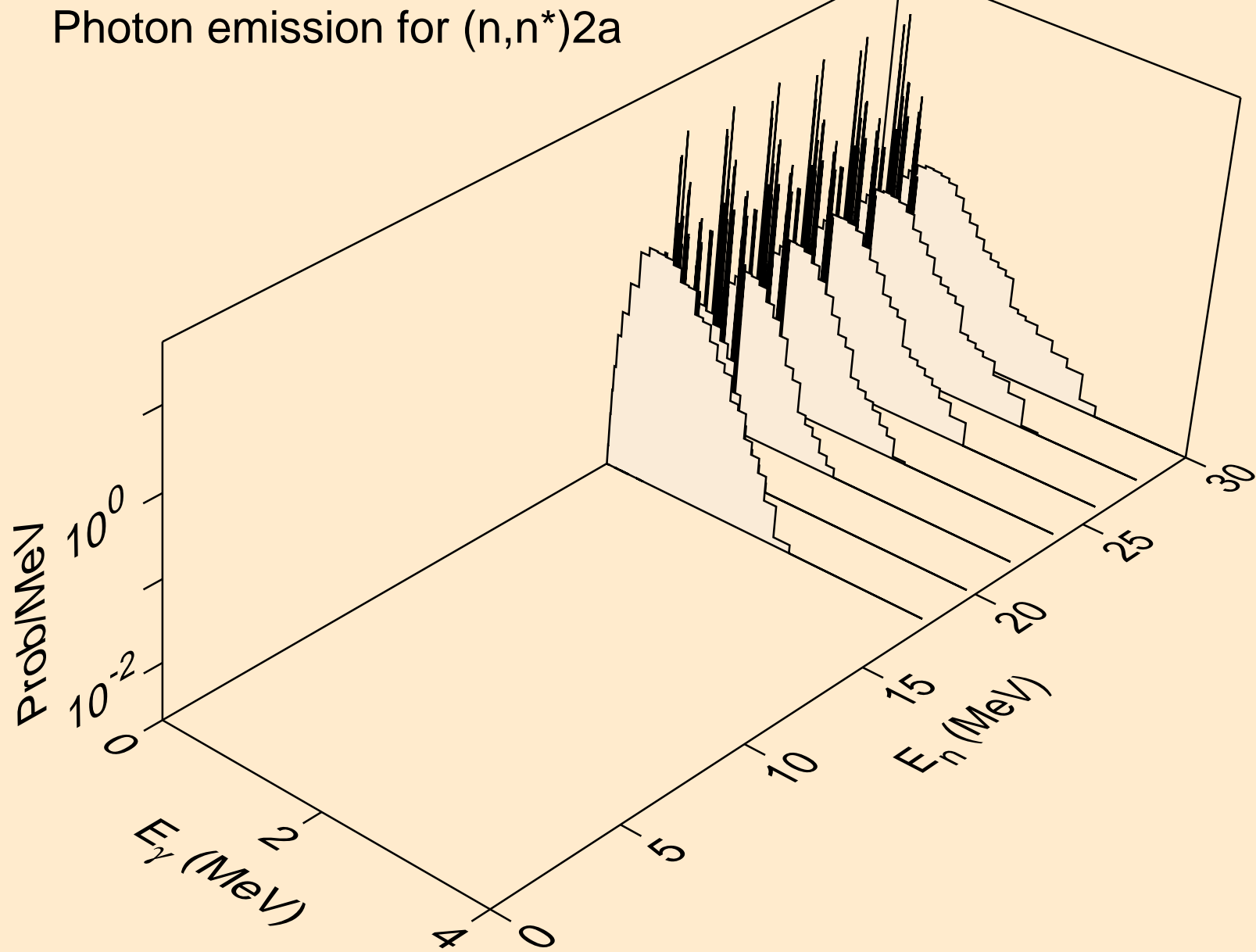
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)a



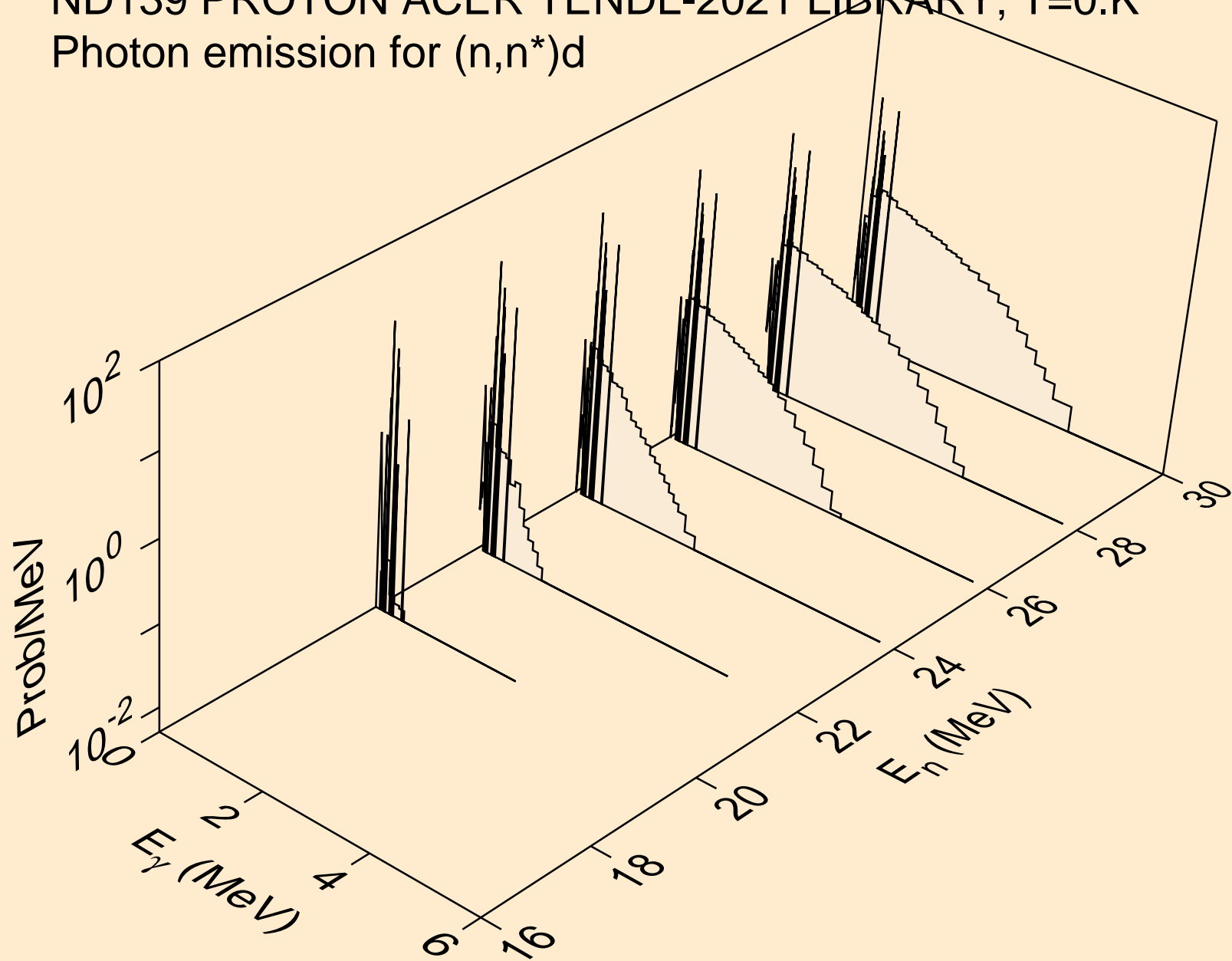
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



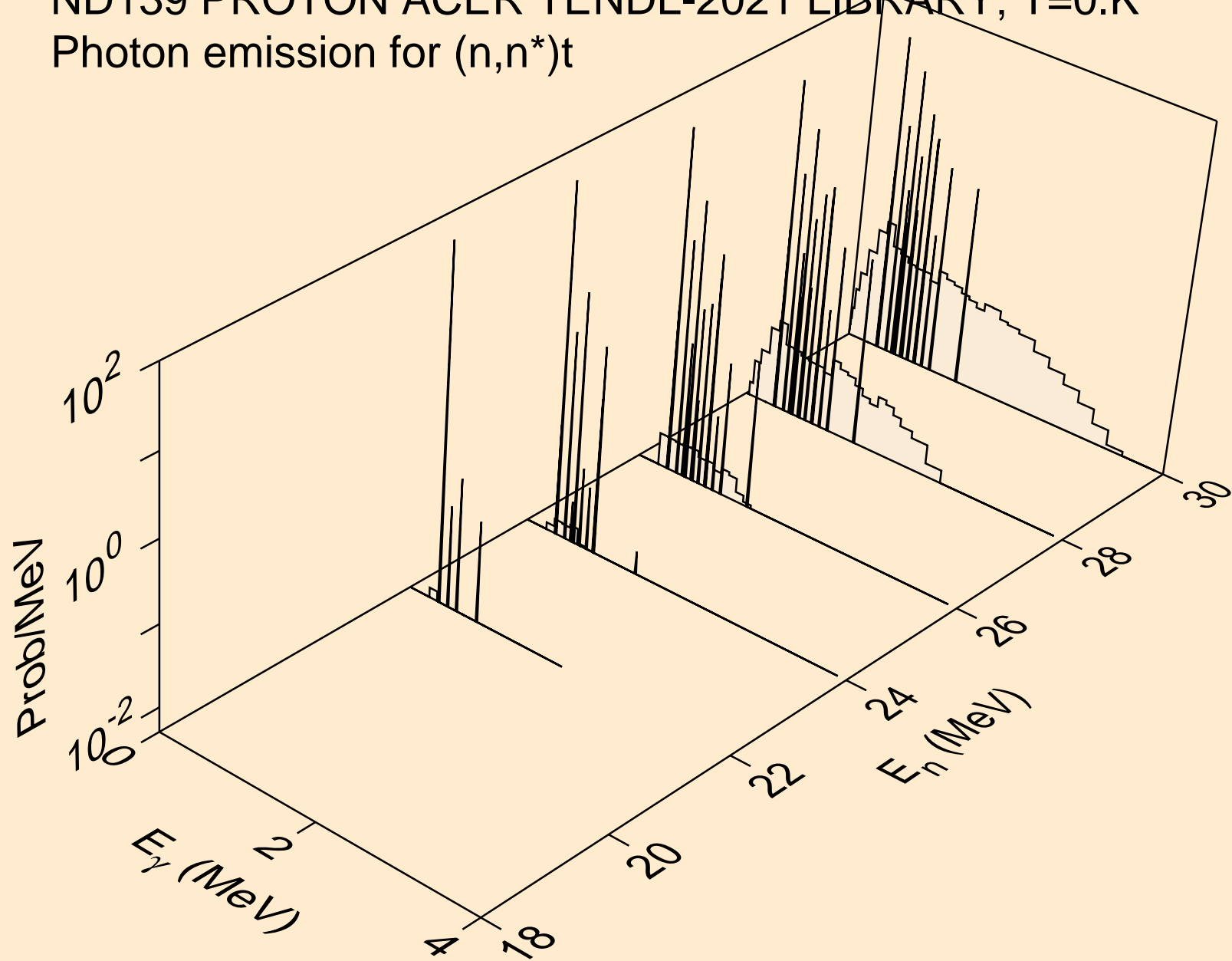
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



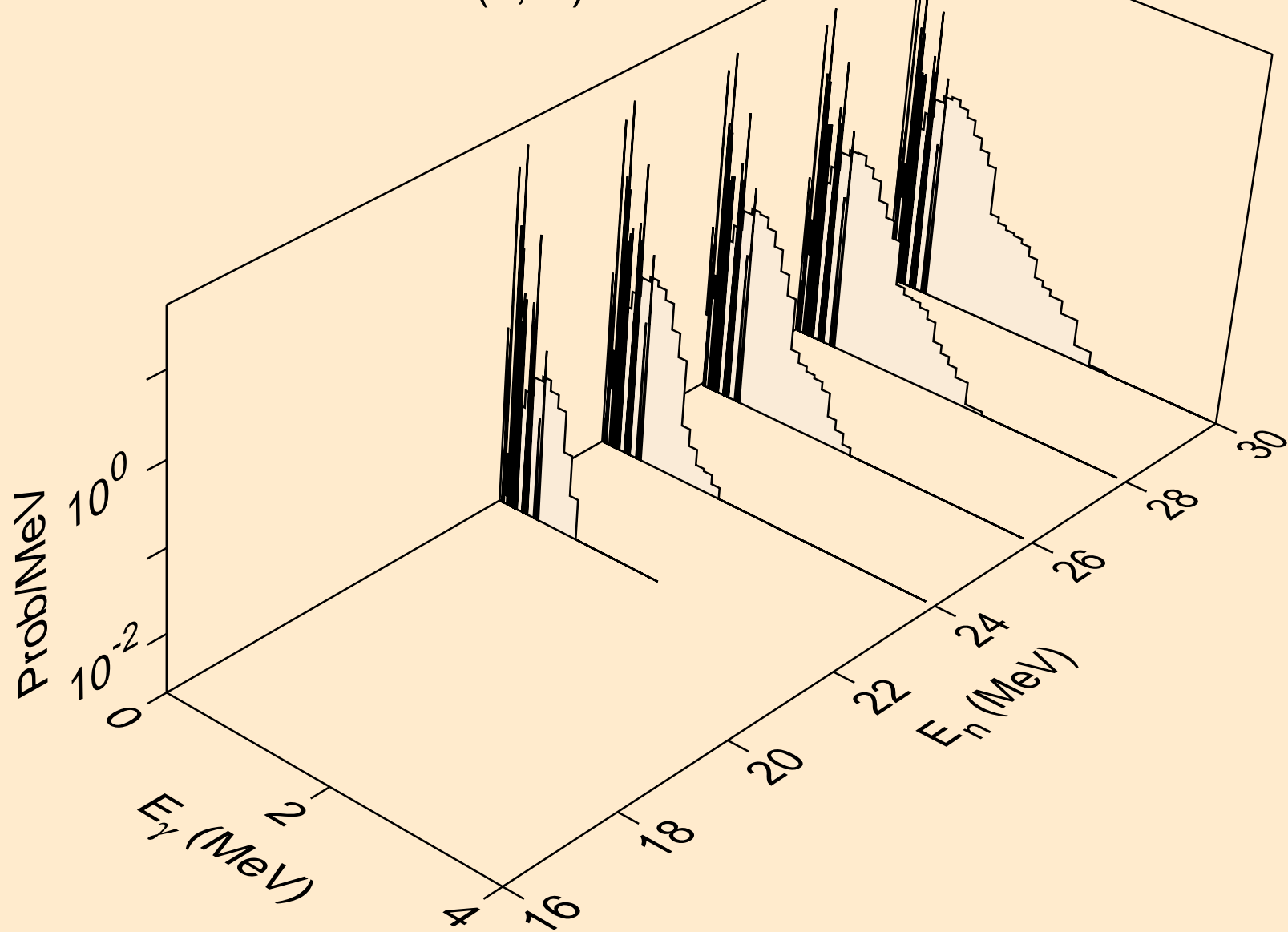
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

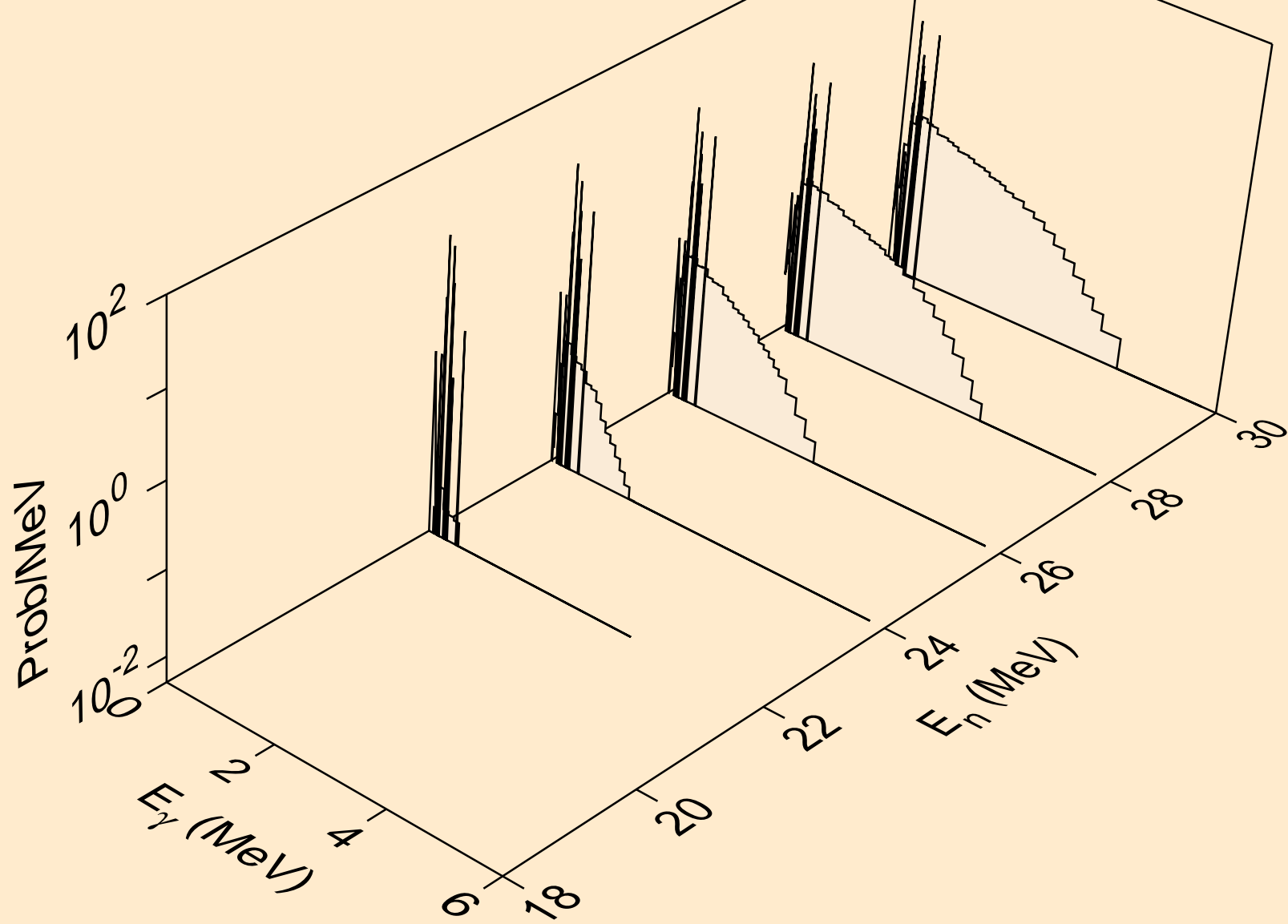


ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

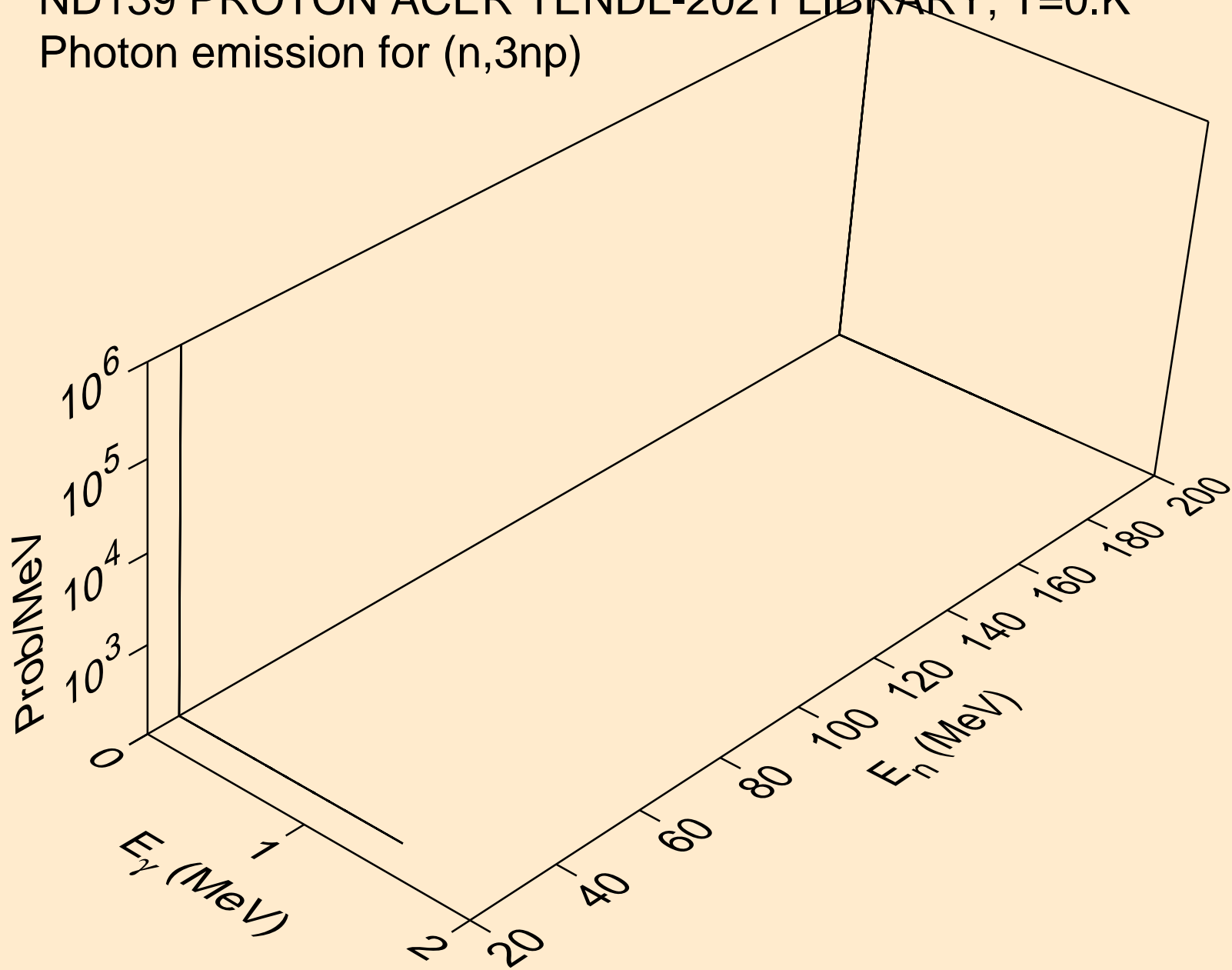




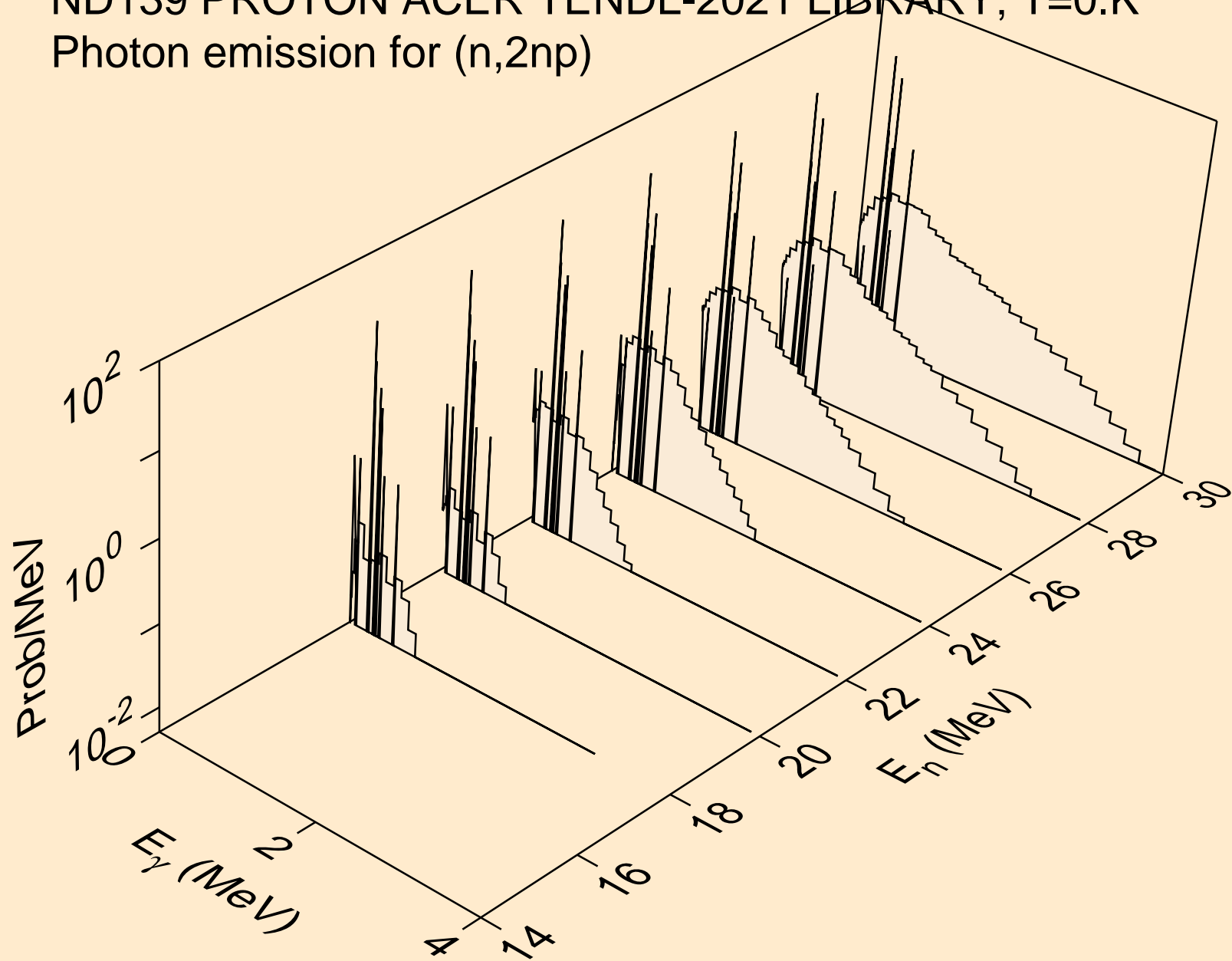
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



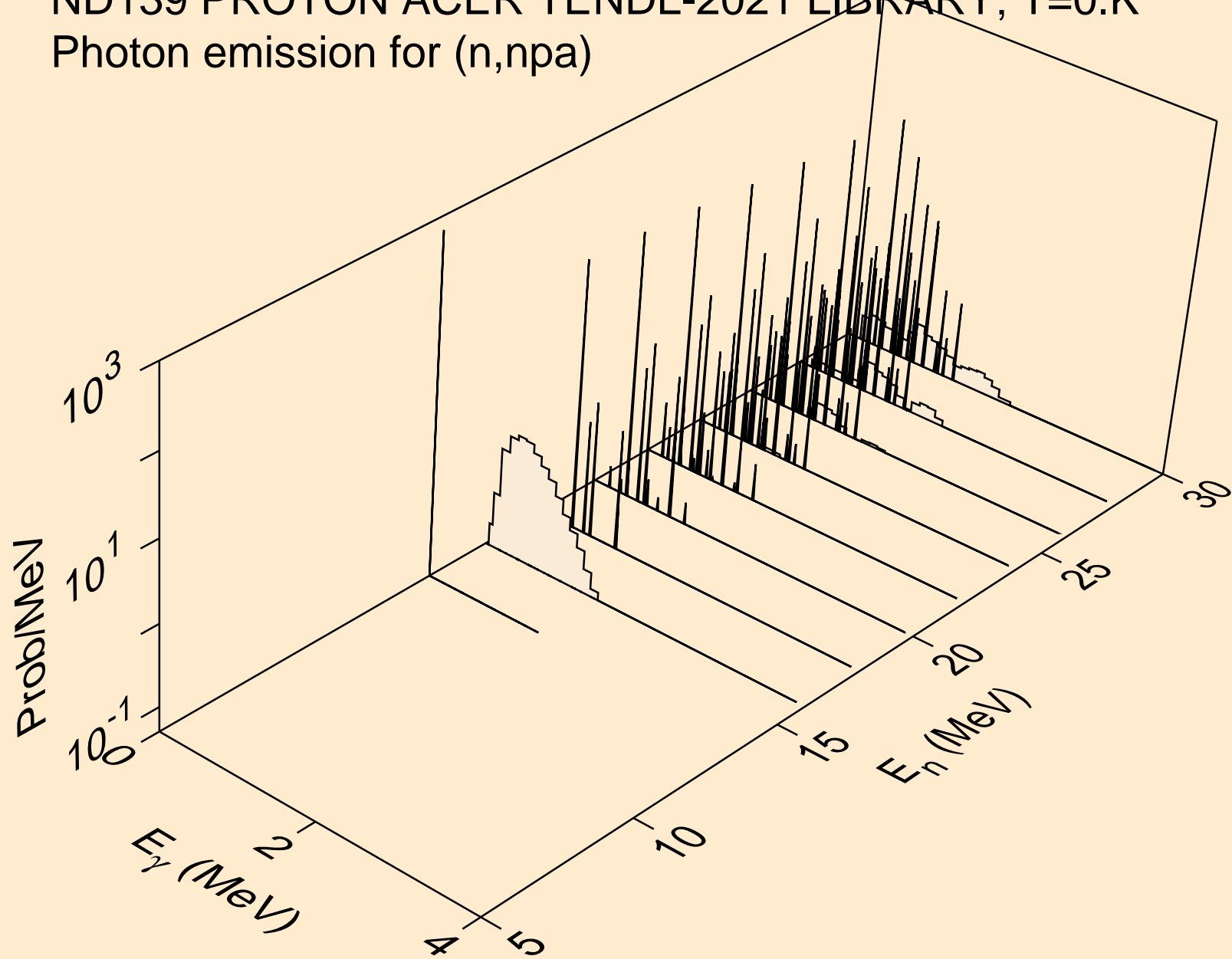
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3np)



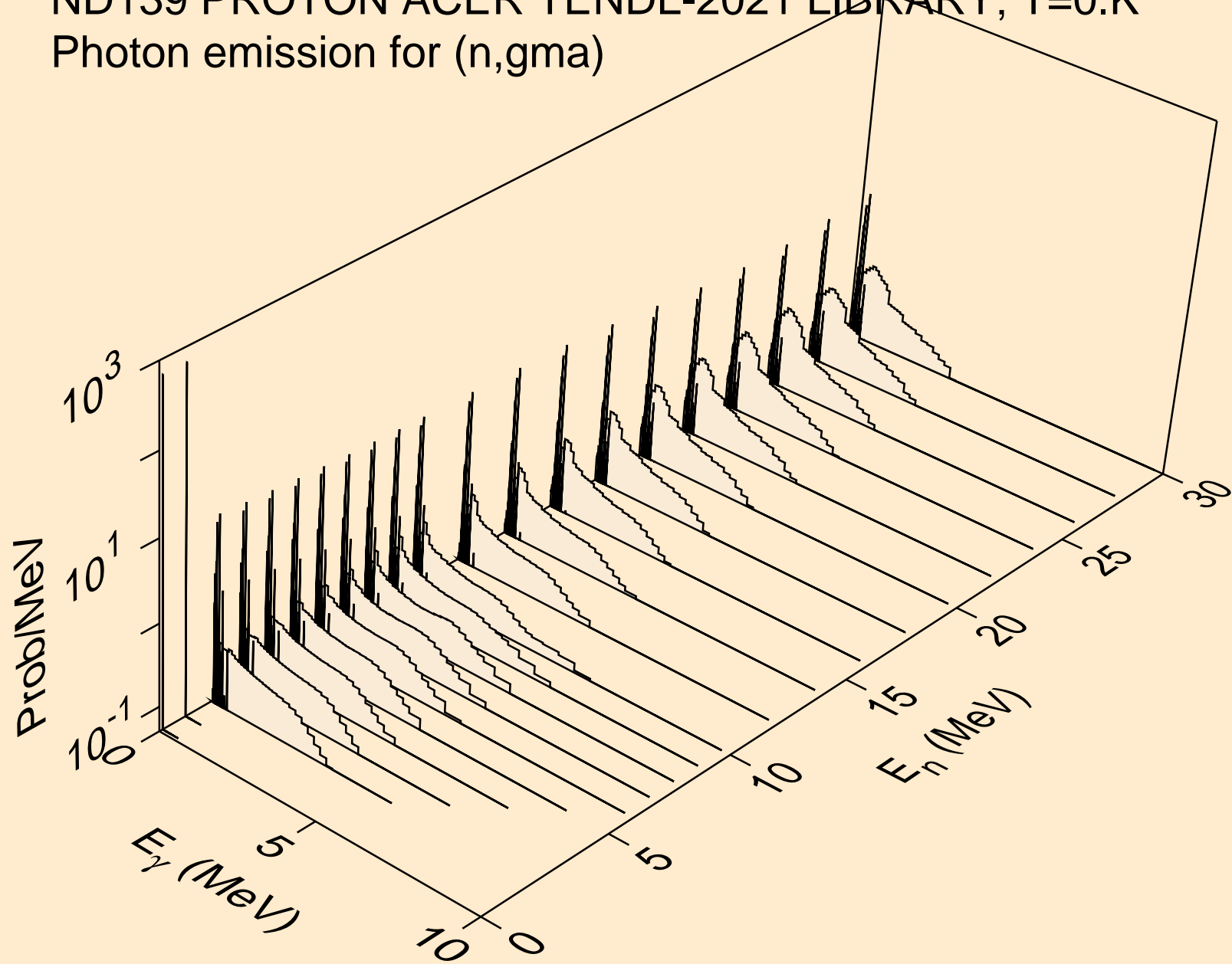
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



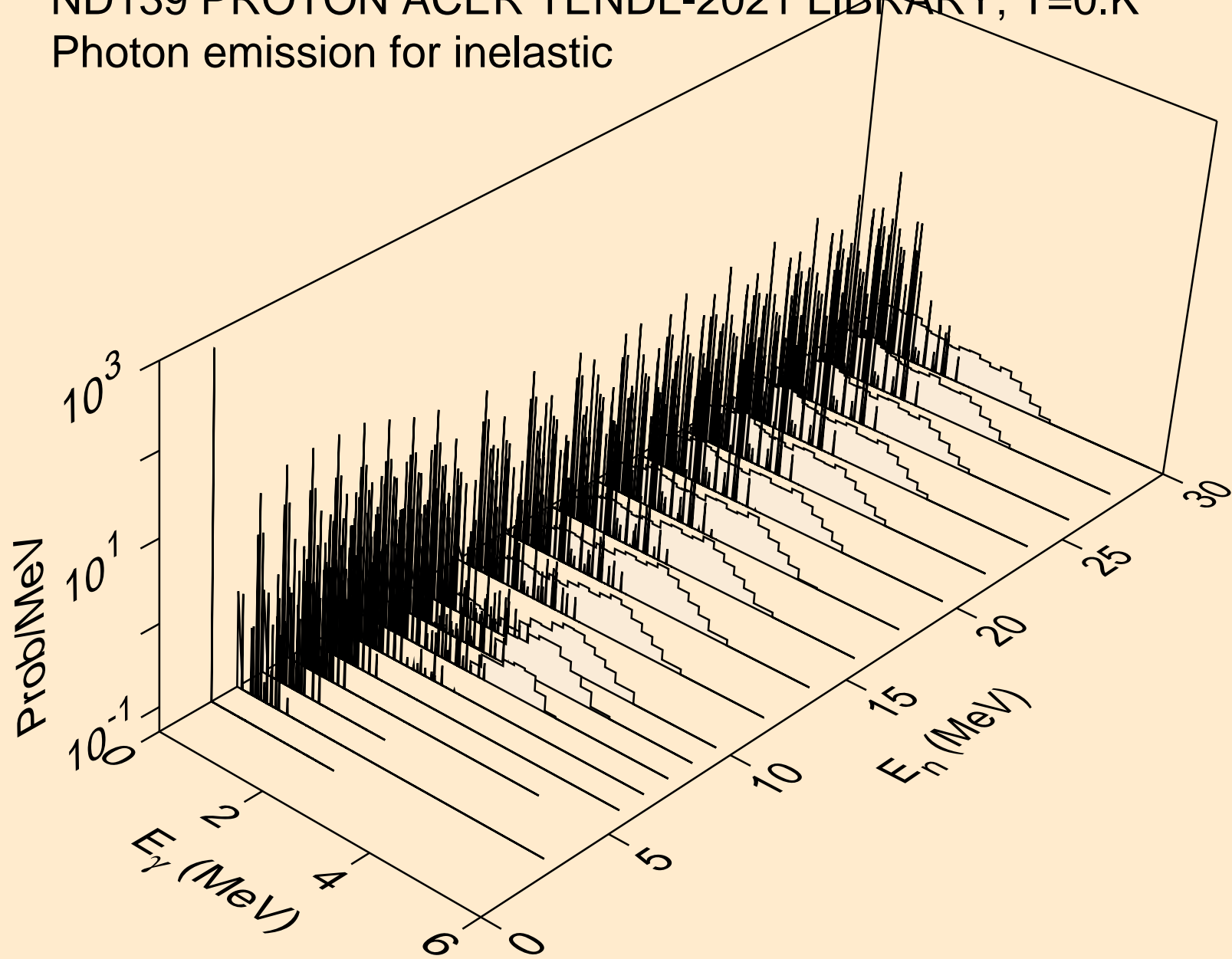
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,npa)



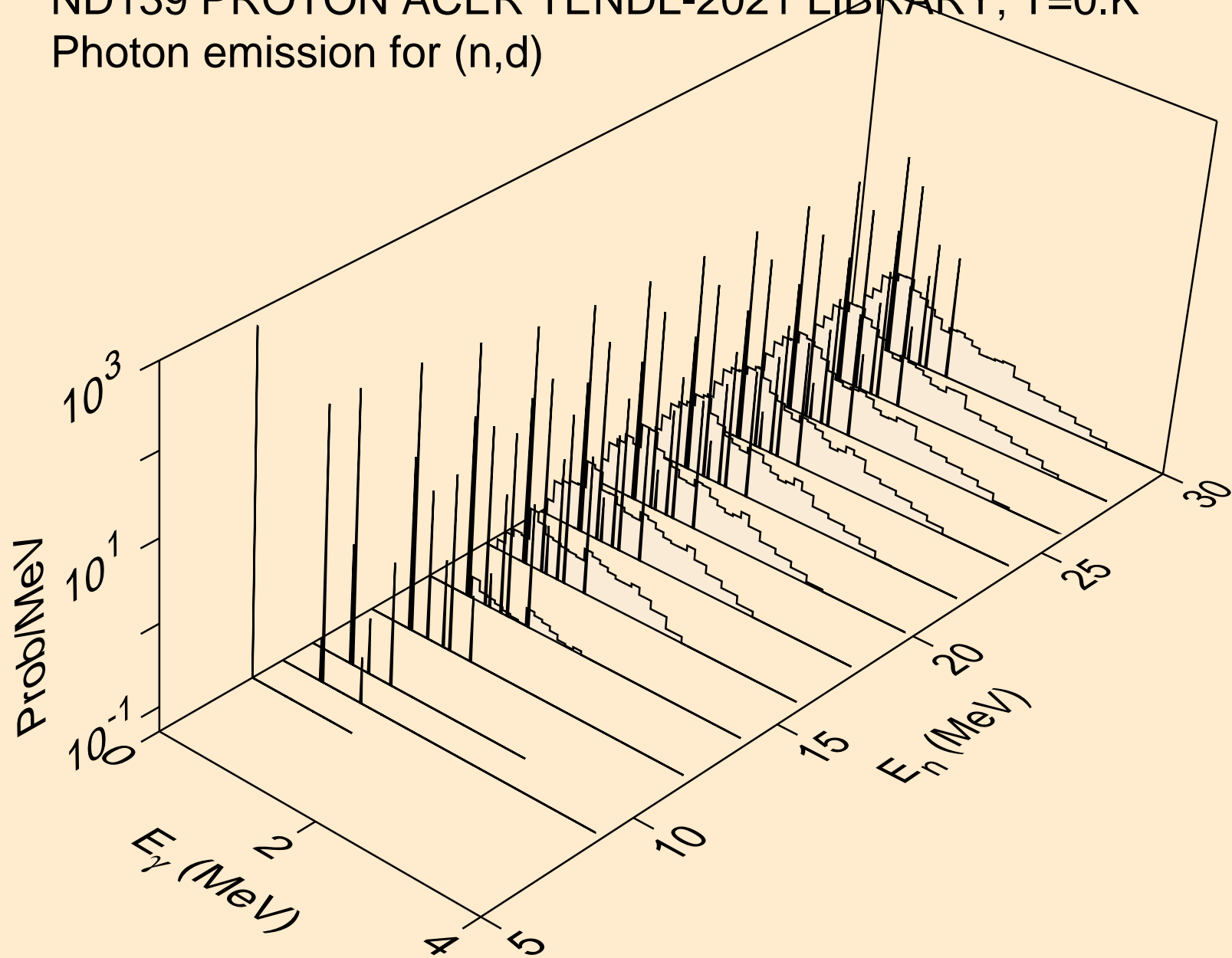
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,gma)



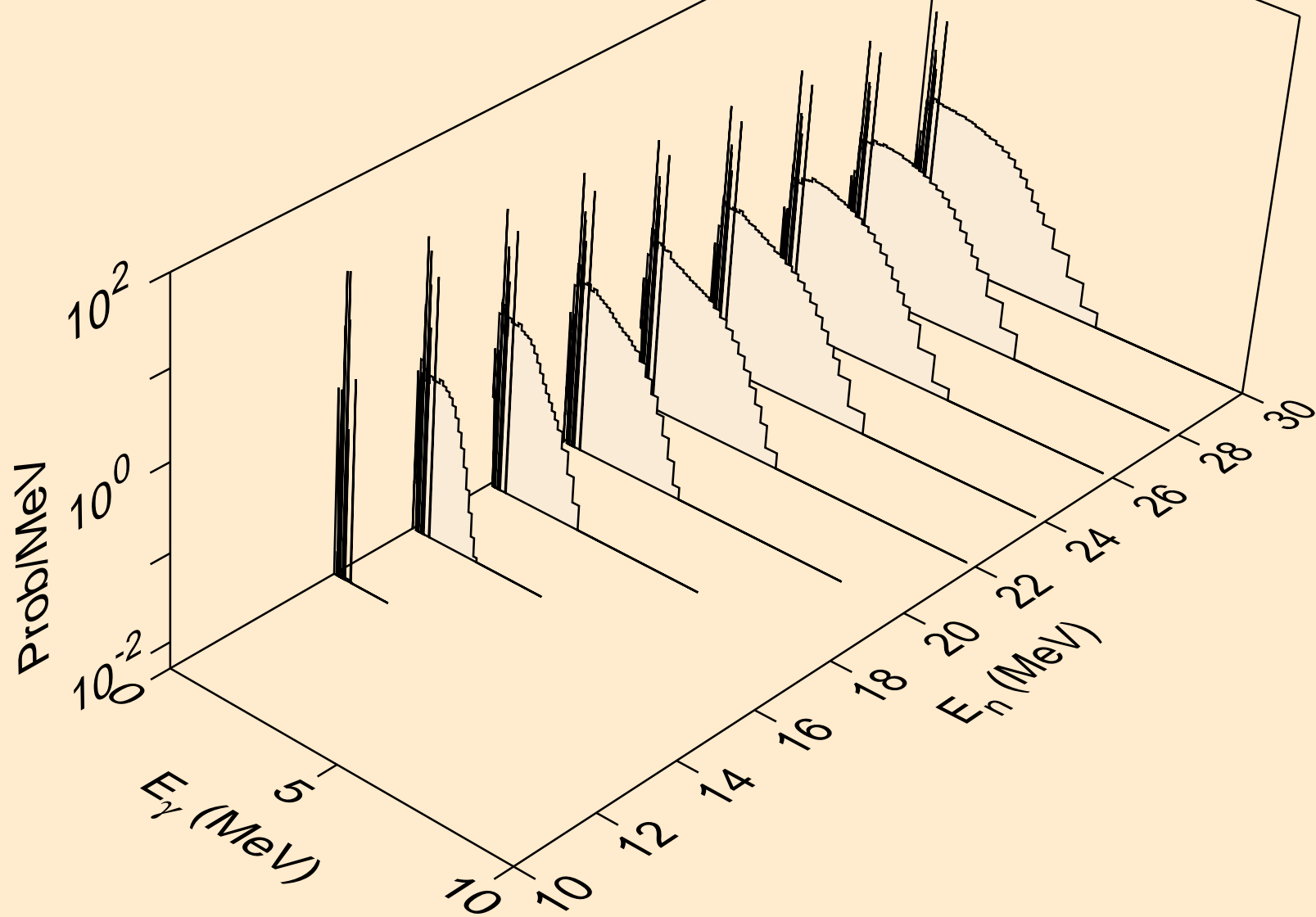
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,d)

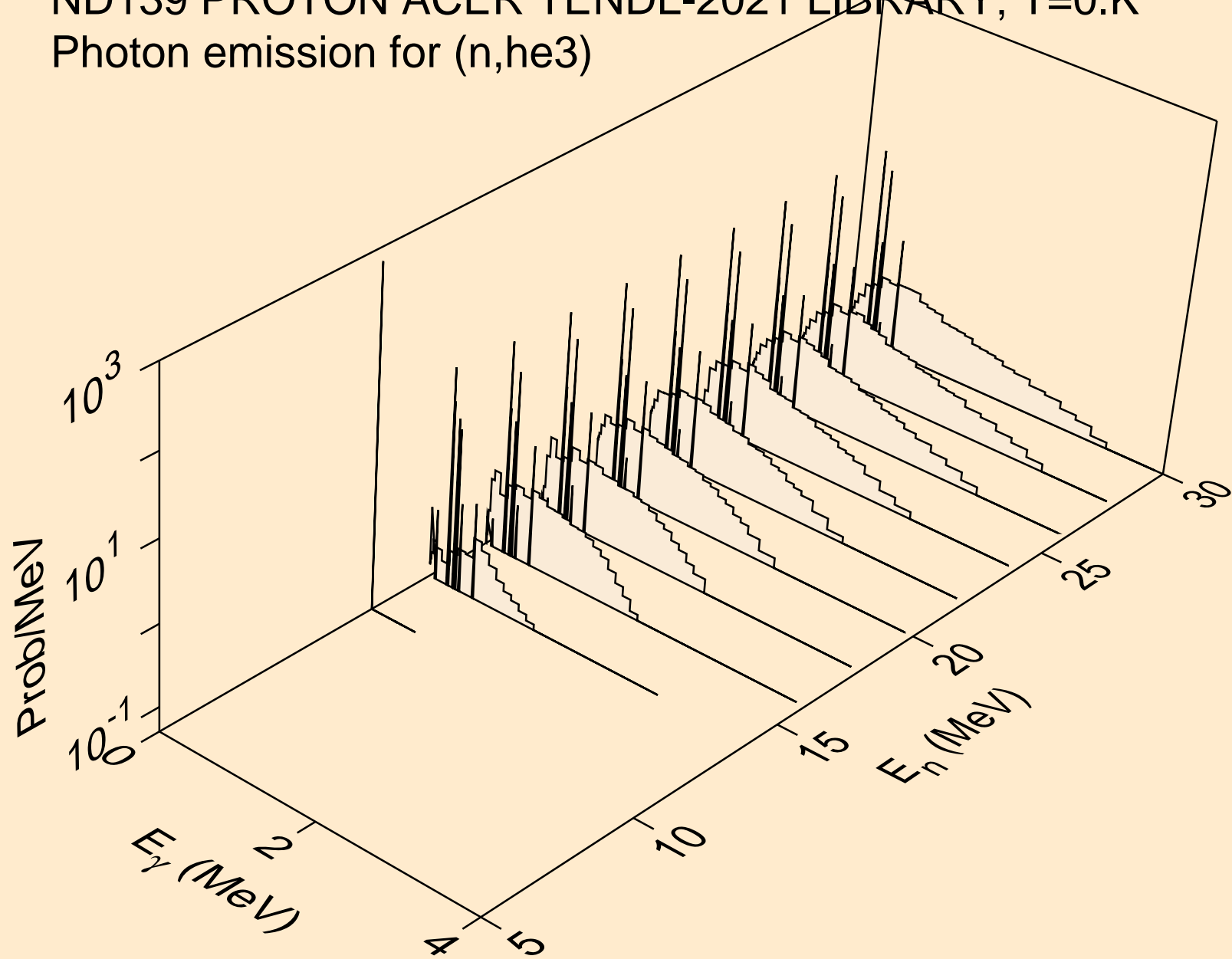


ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,t)

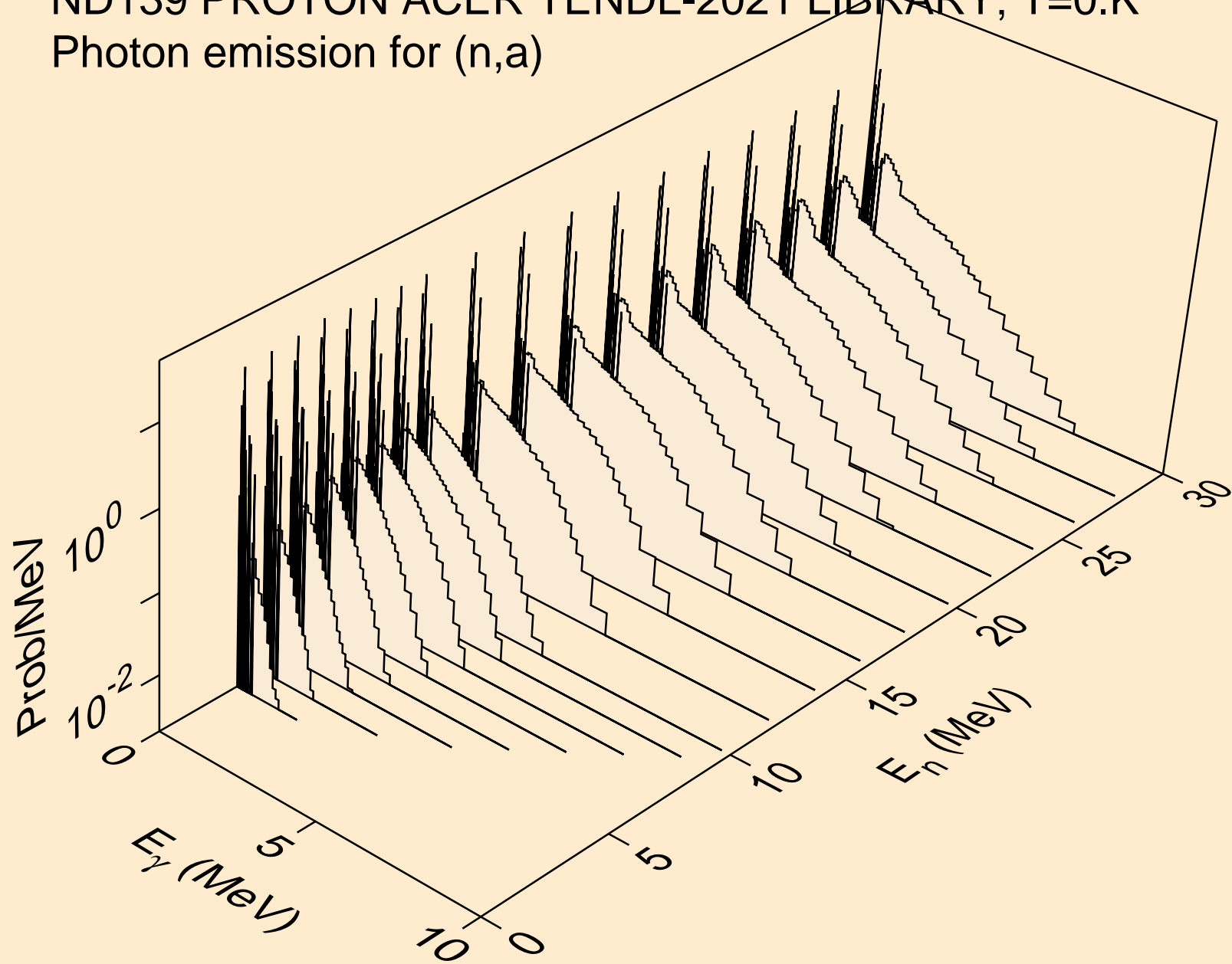




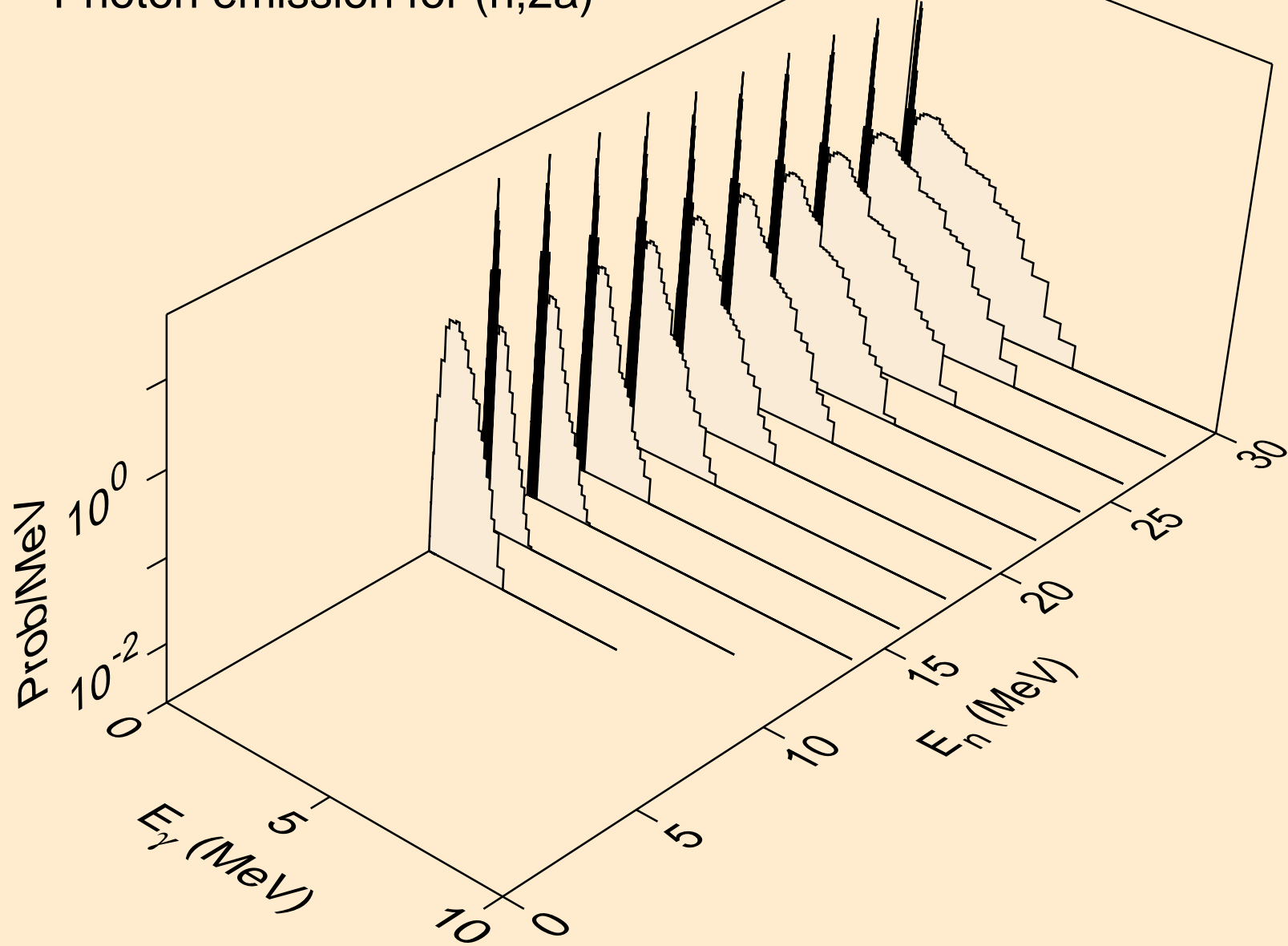
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,he3)



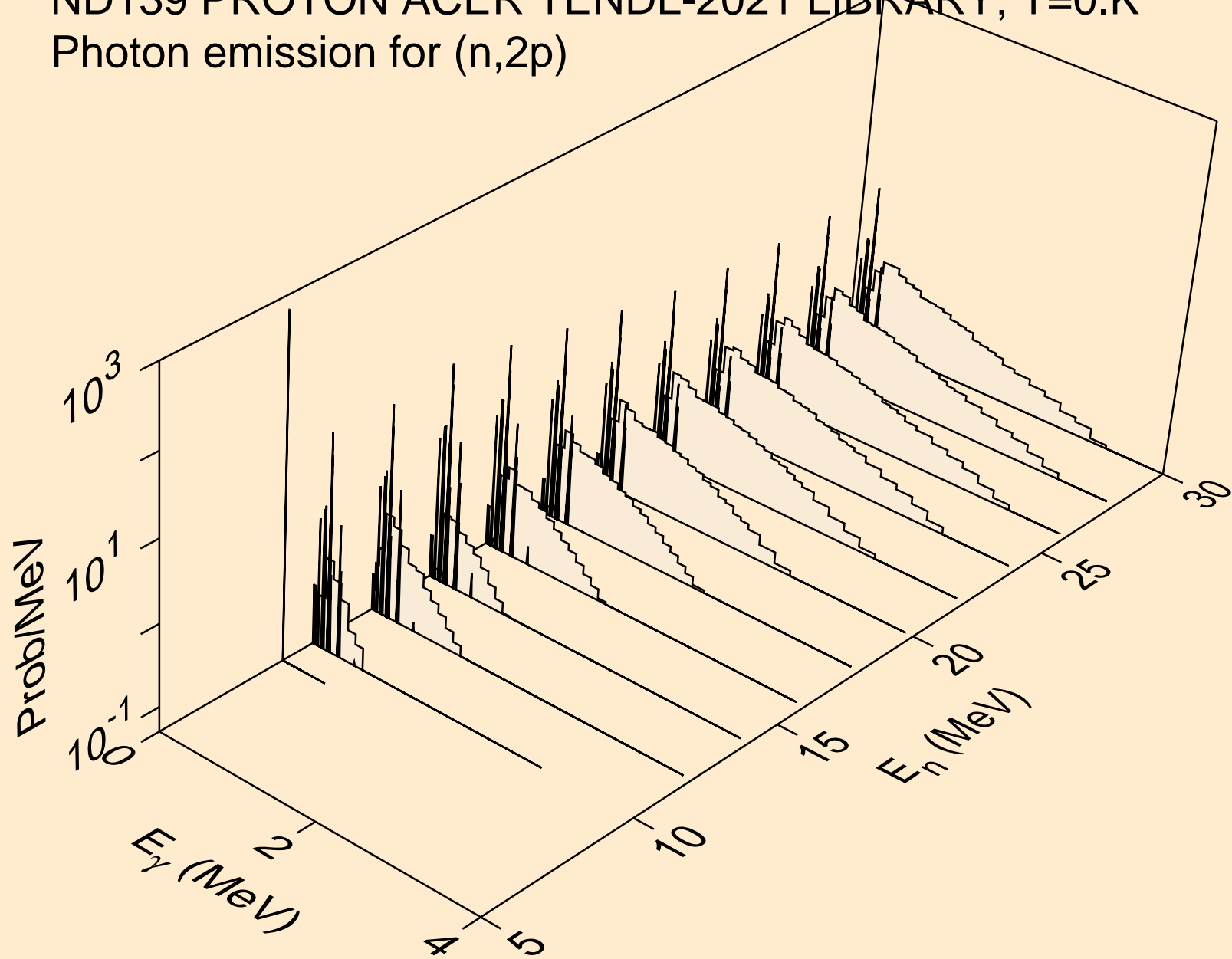
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,a)



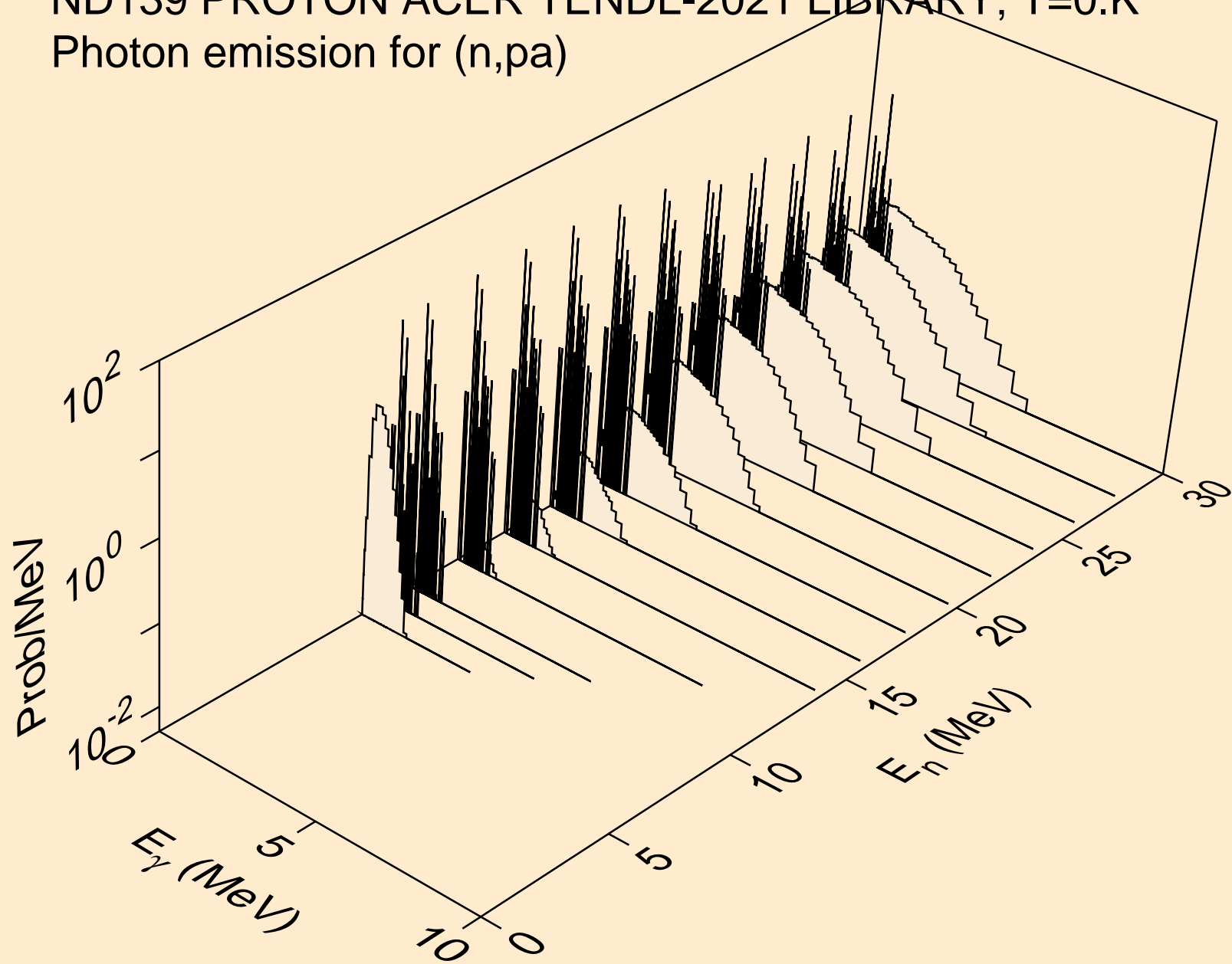
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2a)



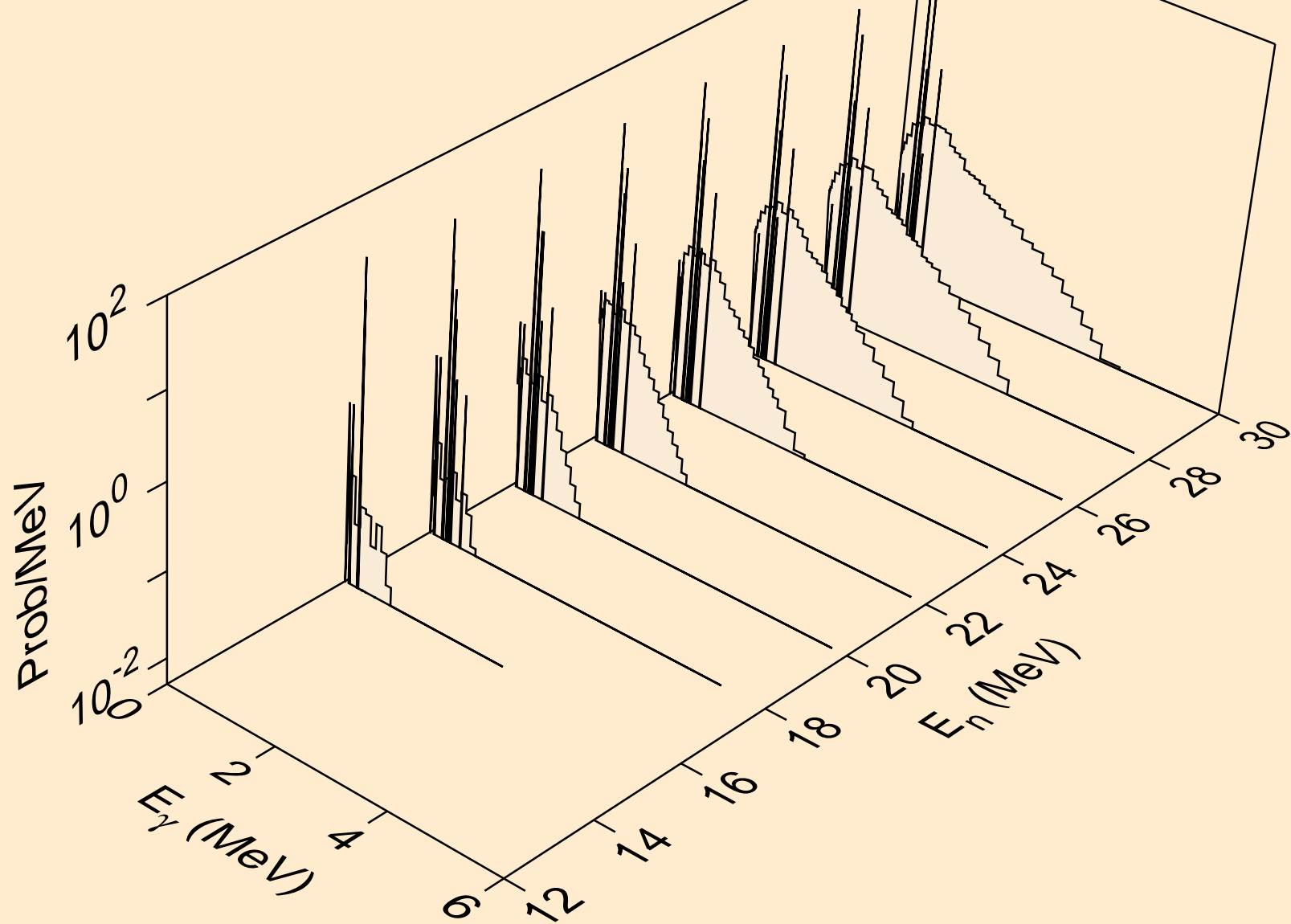
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)



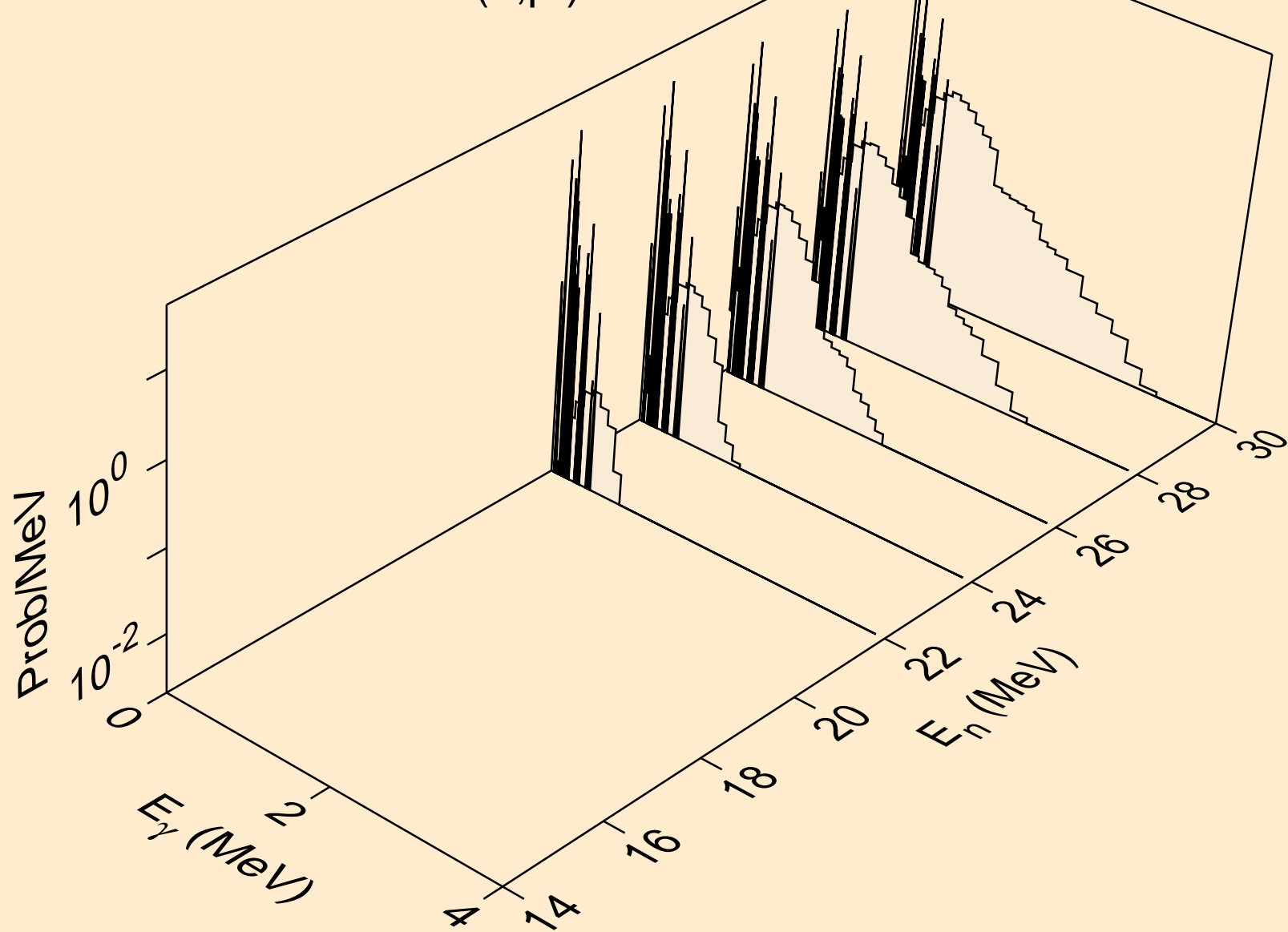
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pa)



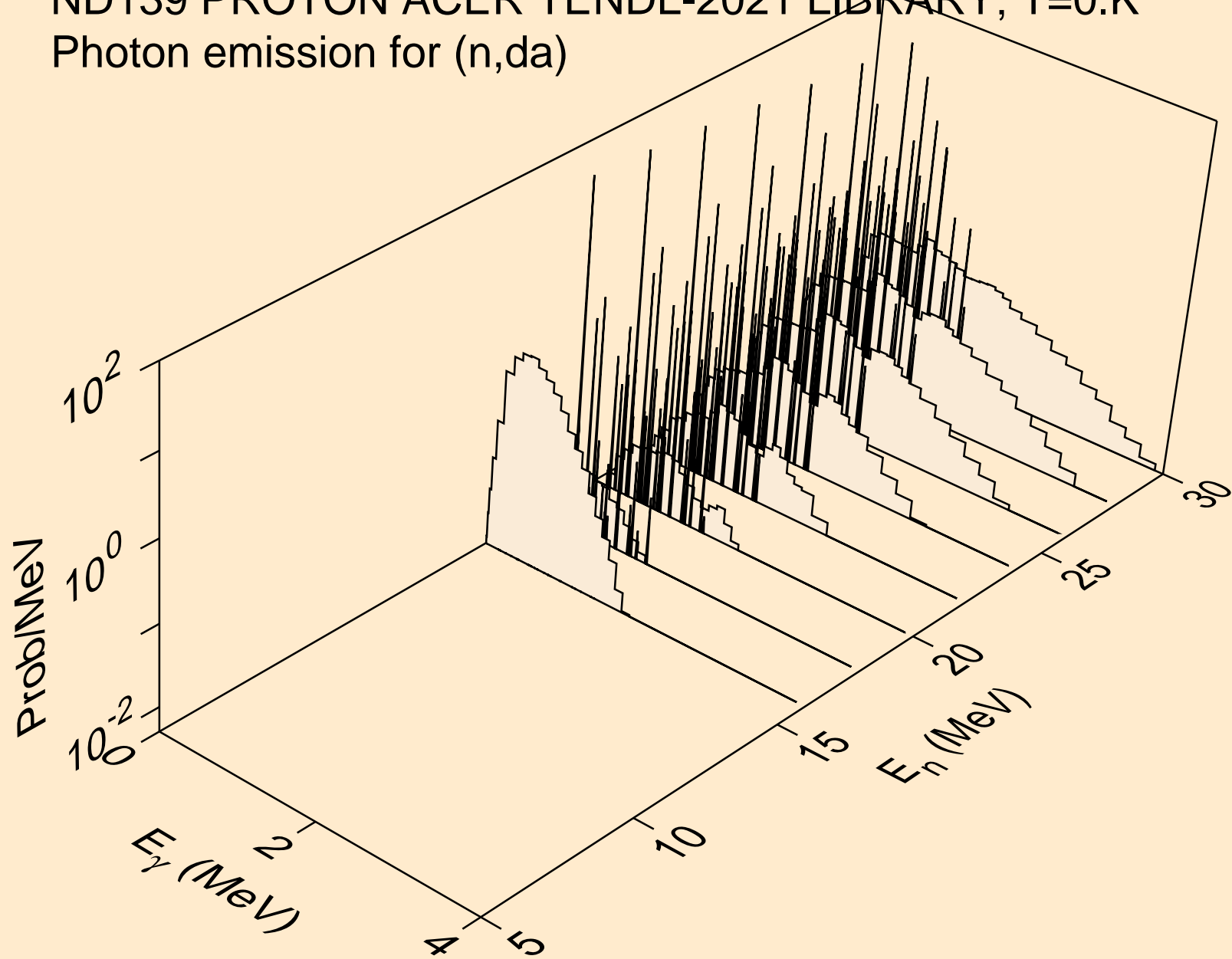
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)



ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)



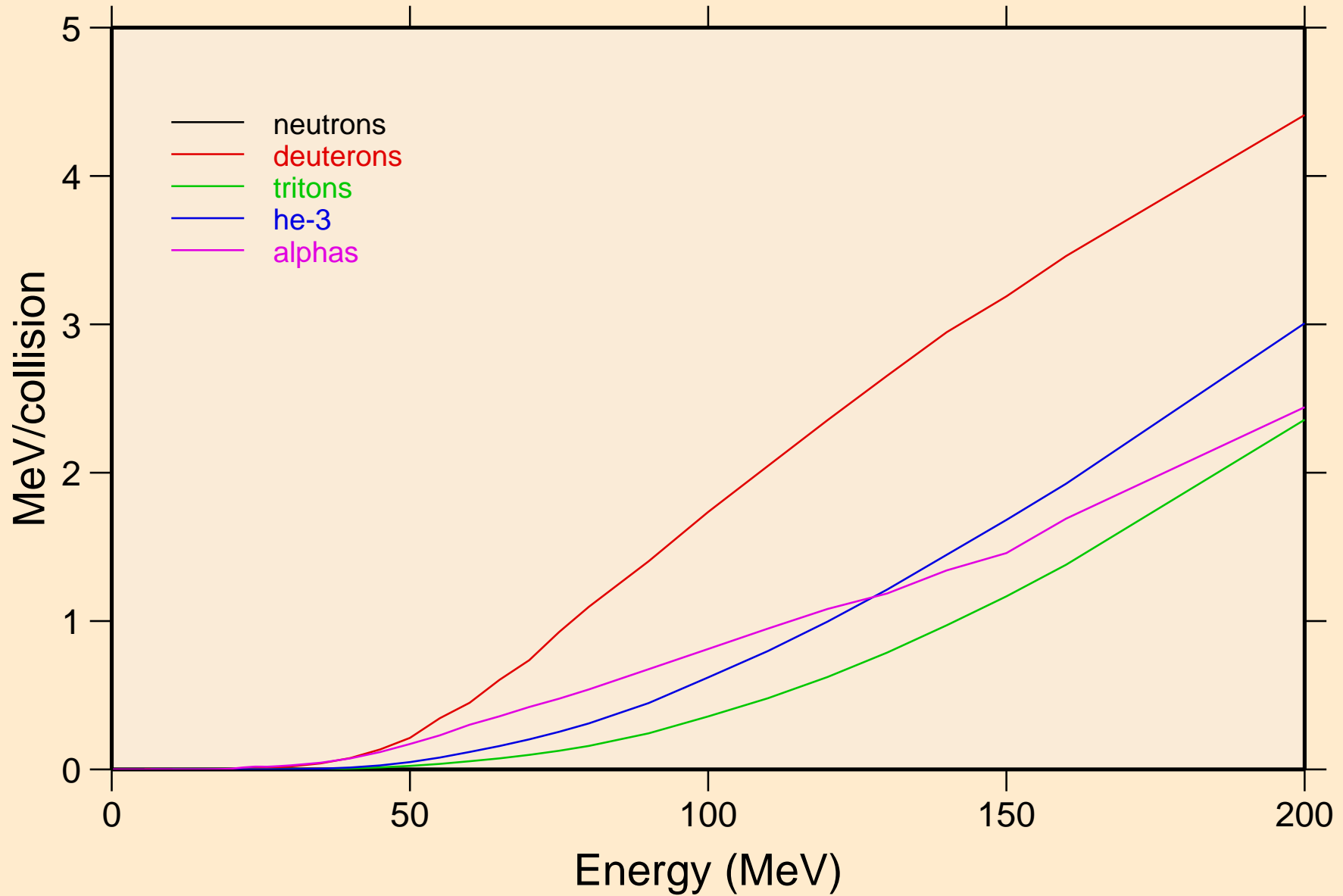
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,da)



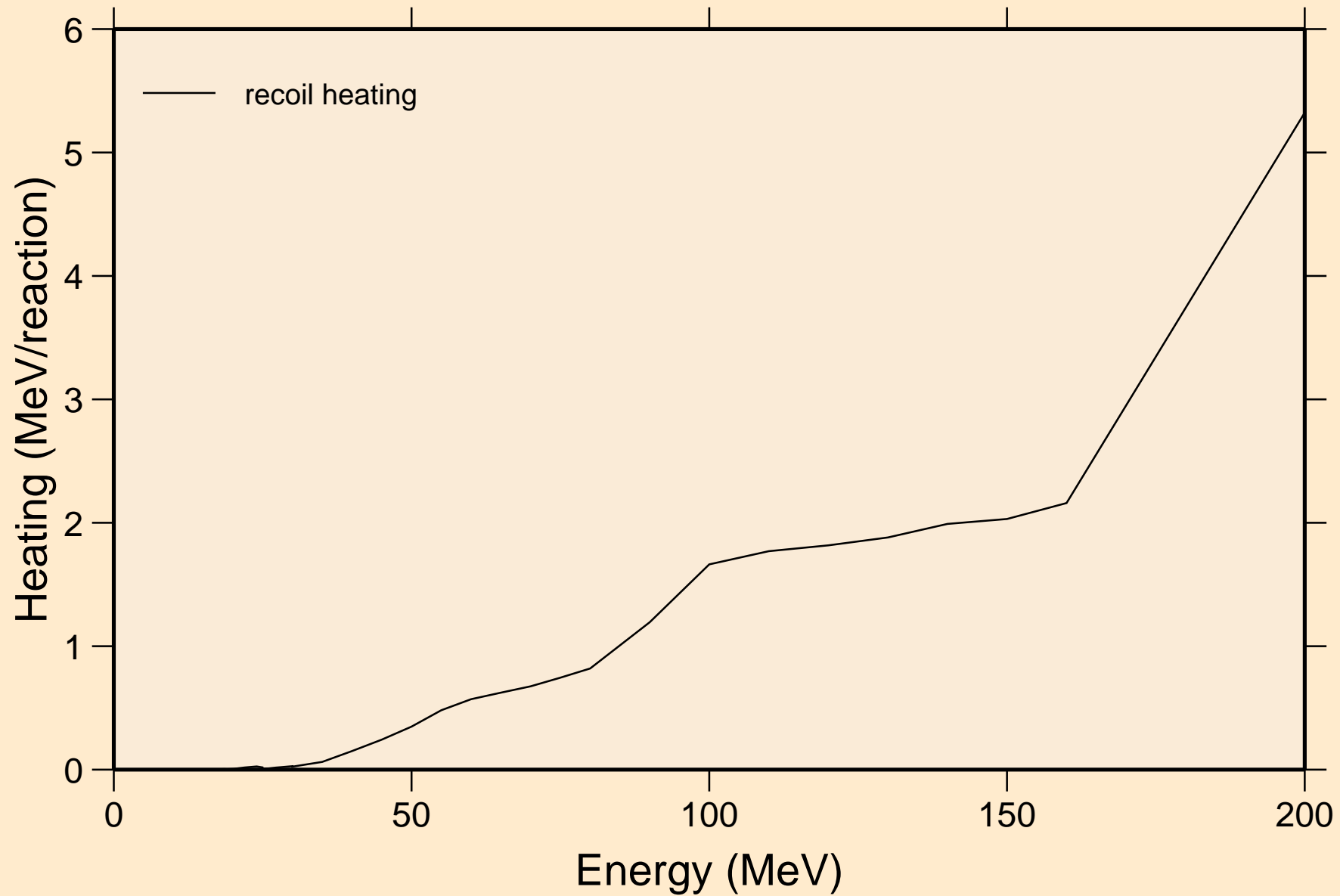


# ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K

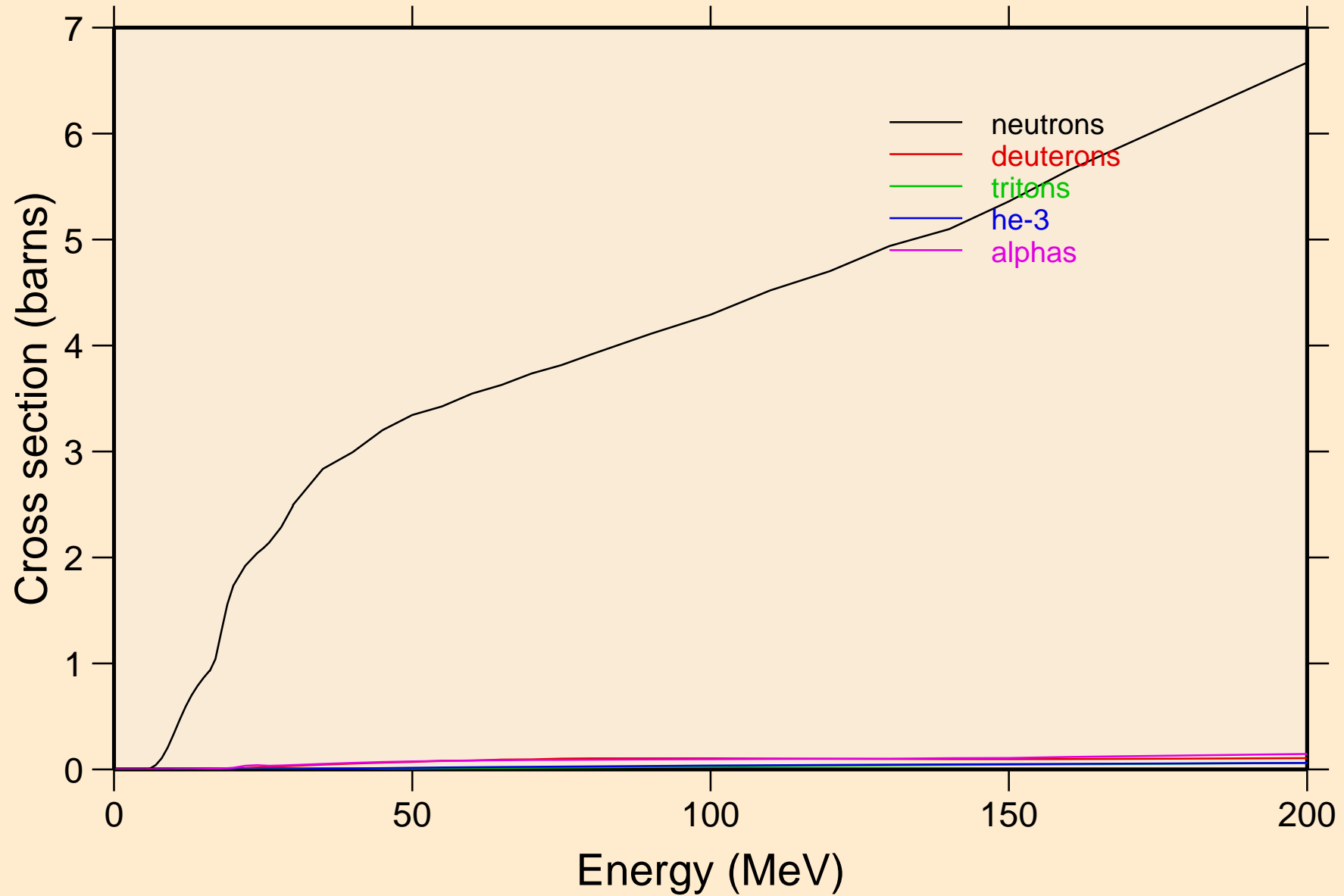
## Particle heating contributions



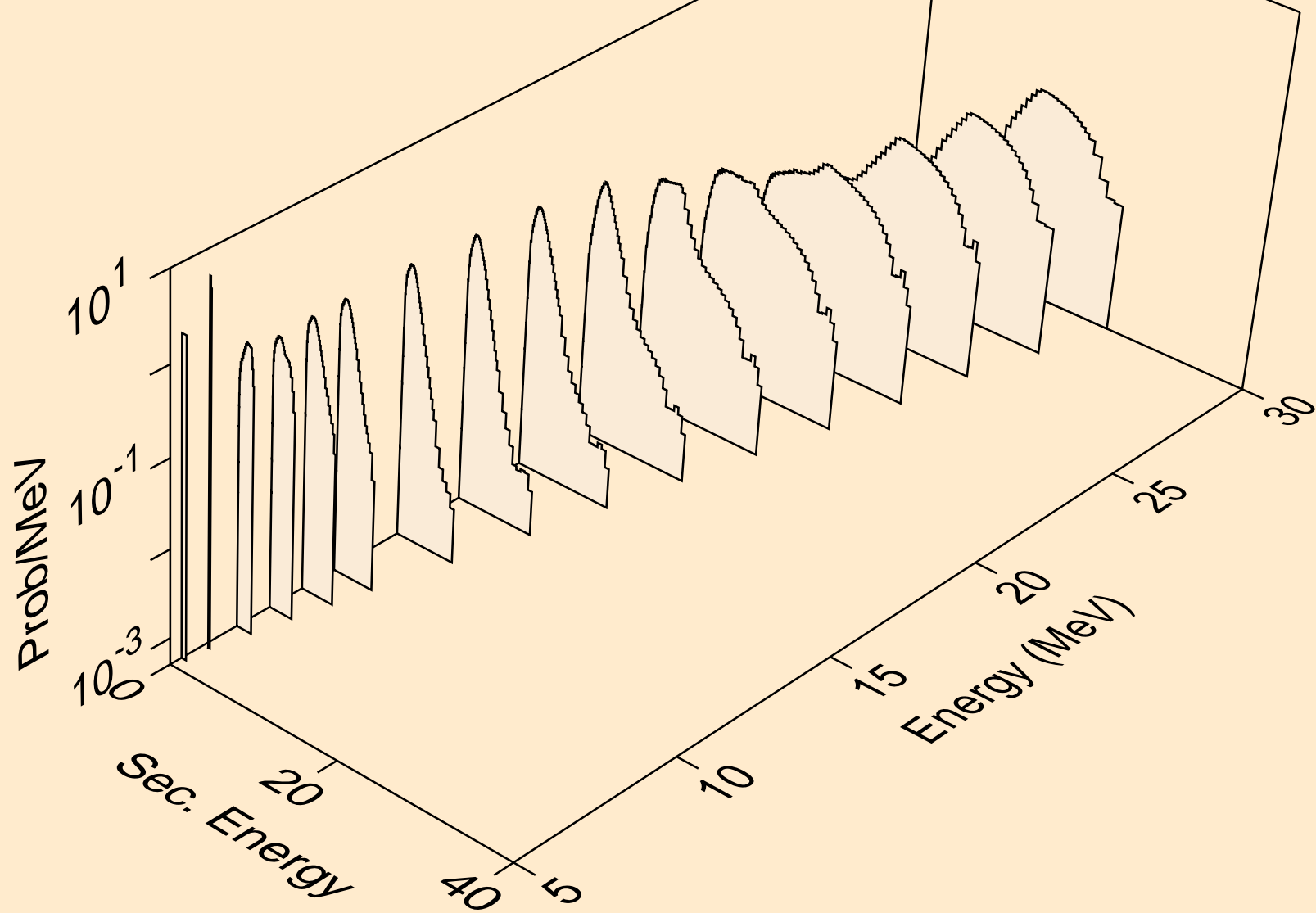
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Recoil Heating



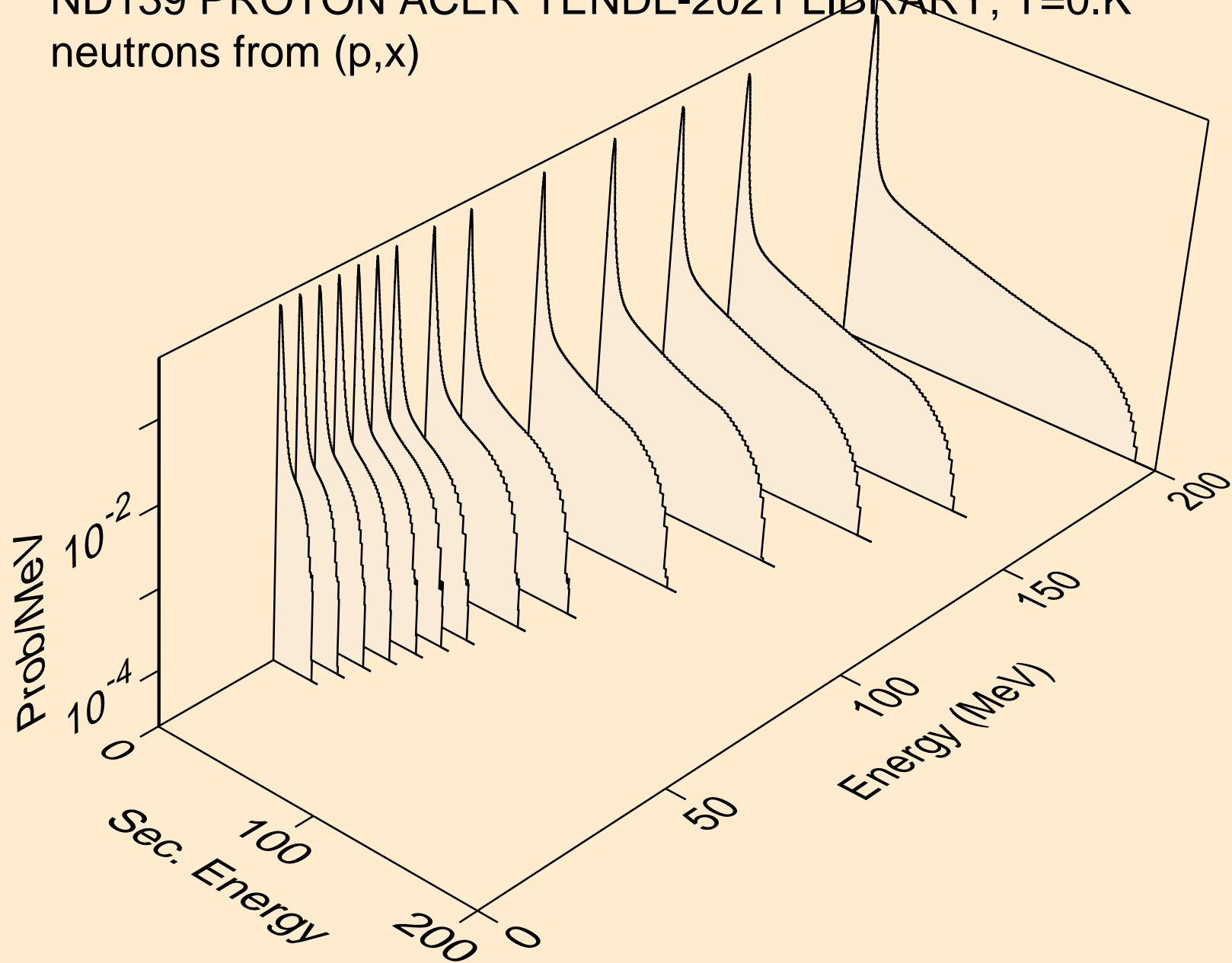
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections



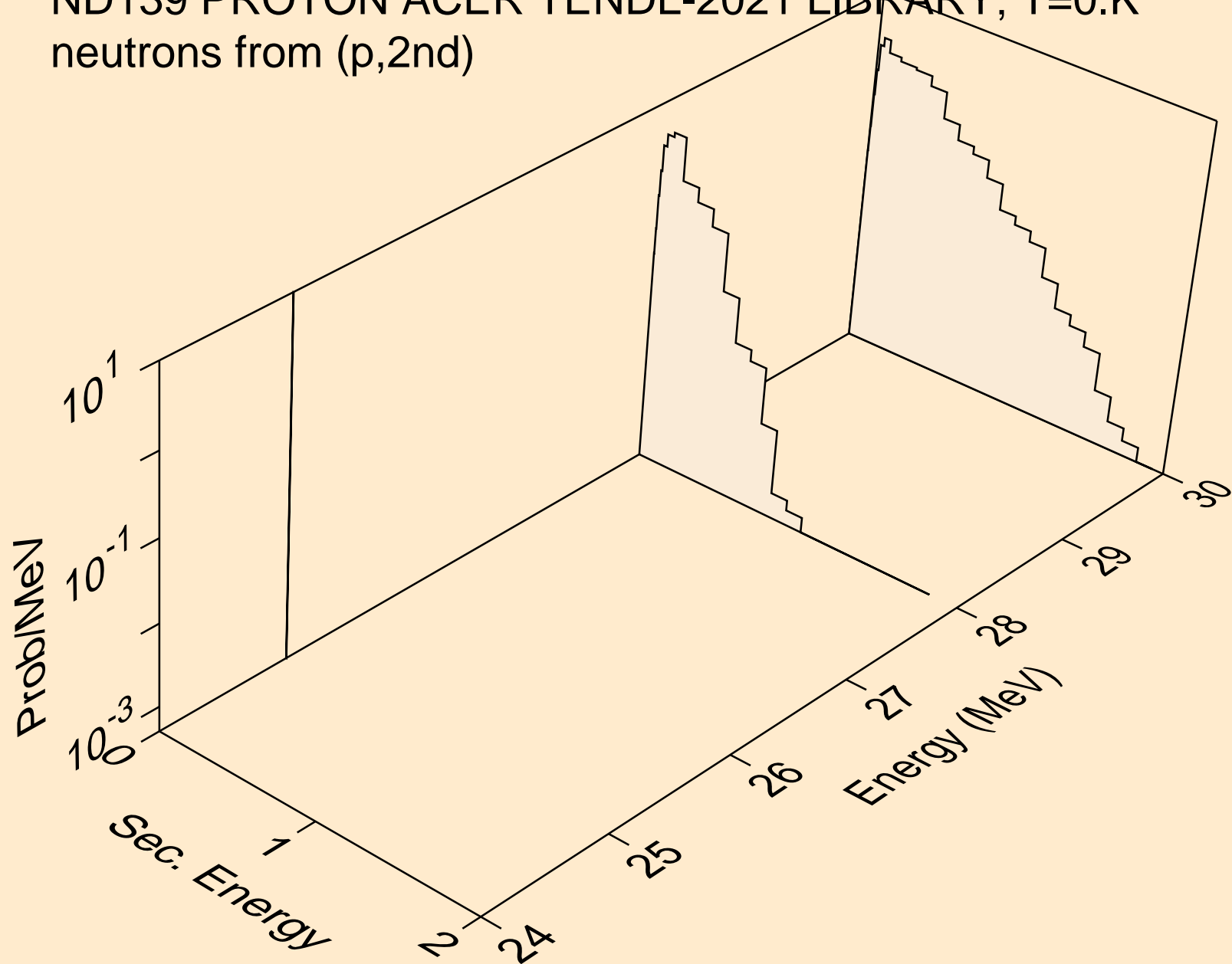
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n)



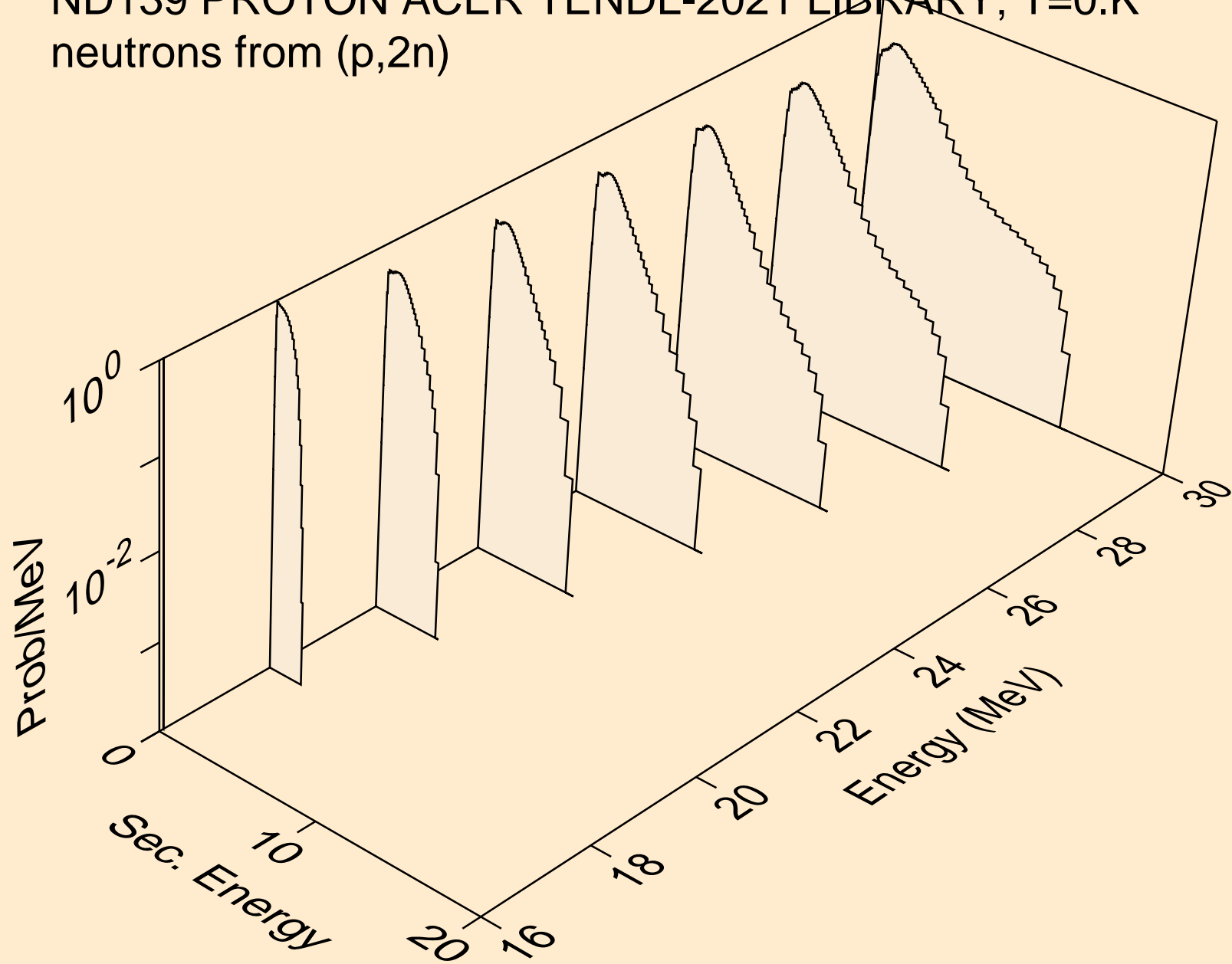
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,x)



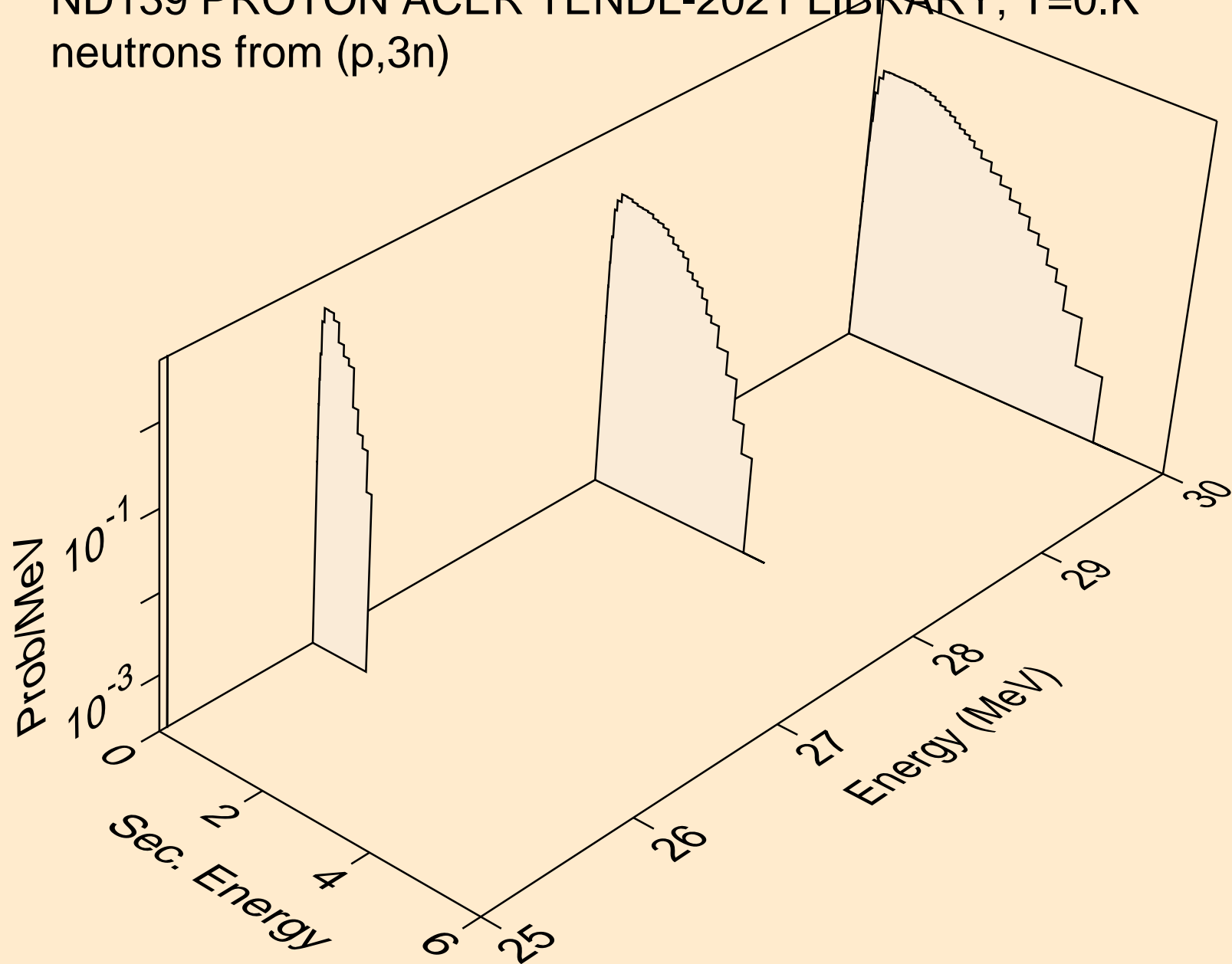
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2nd)



ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2n)

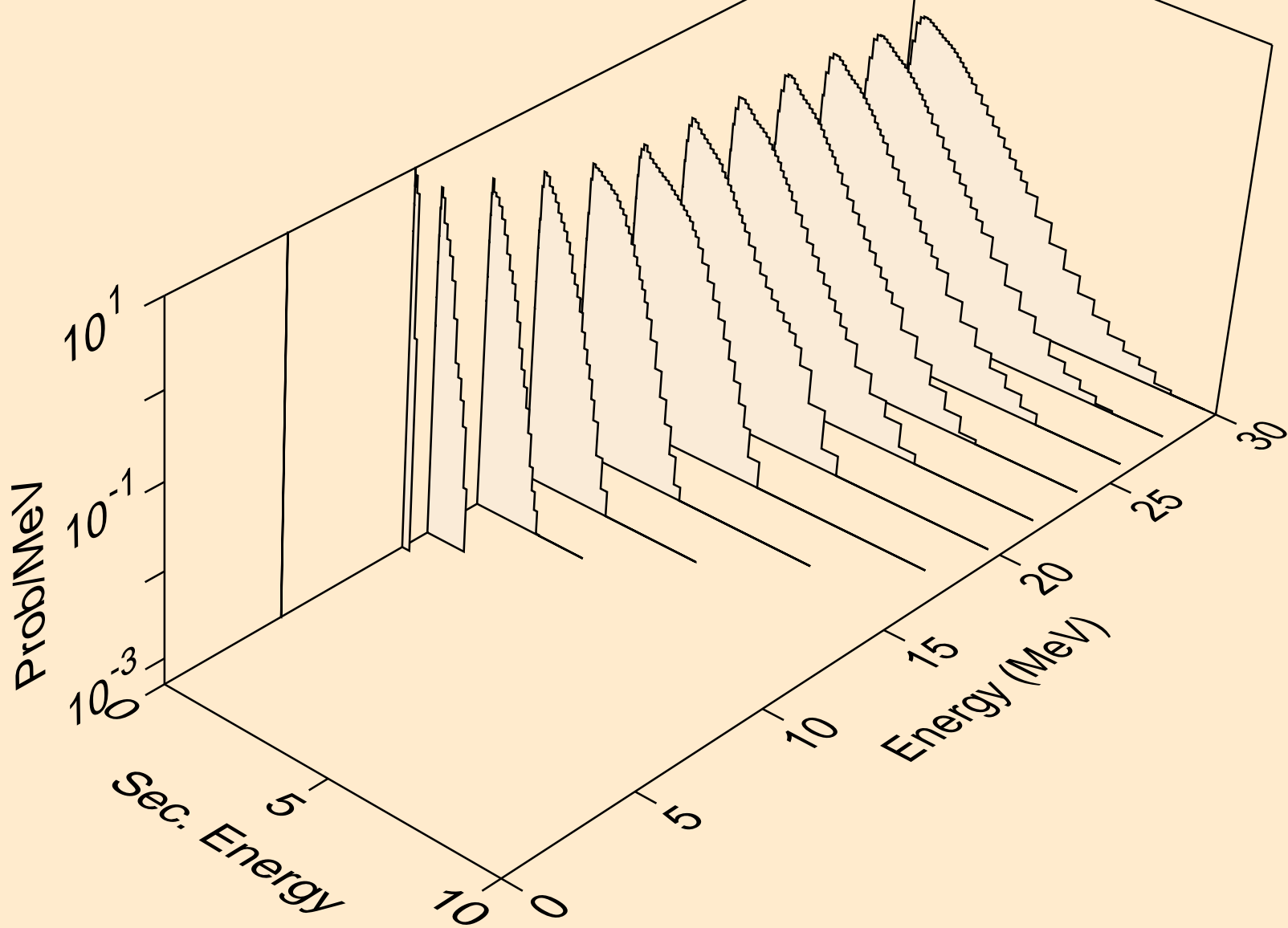


ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3n)

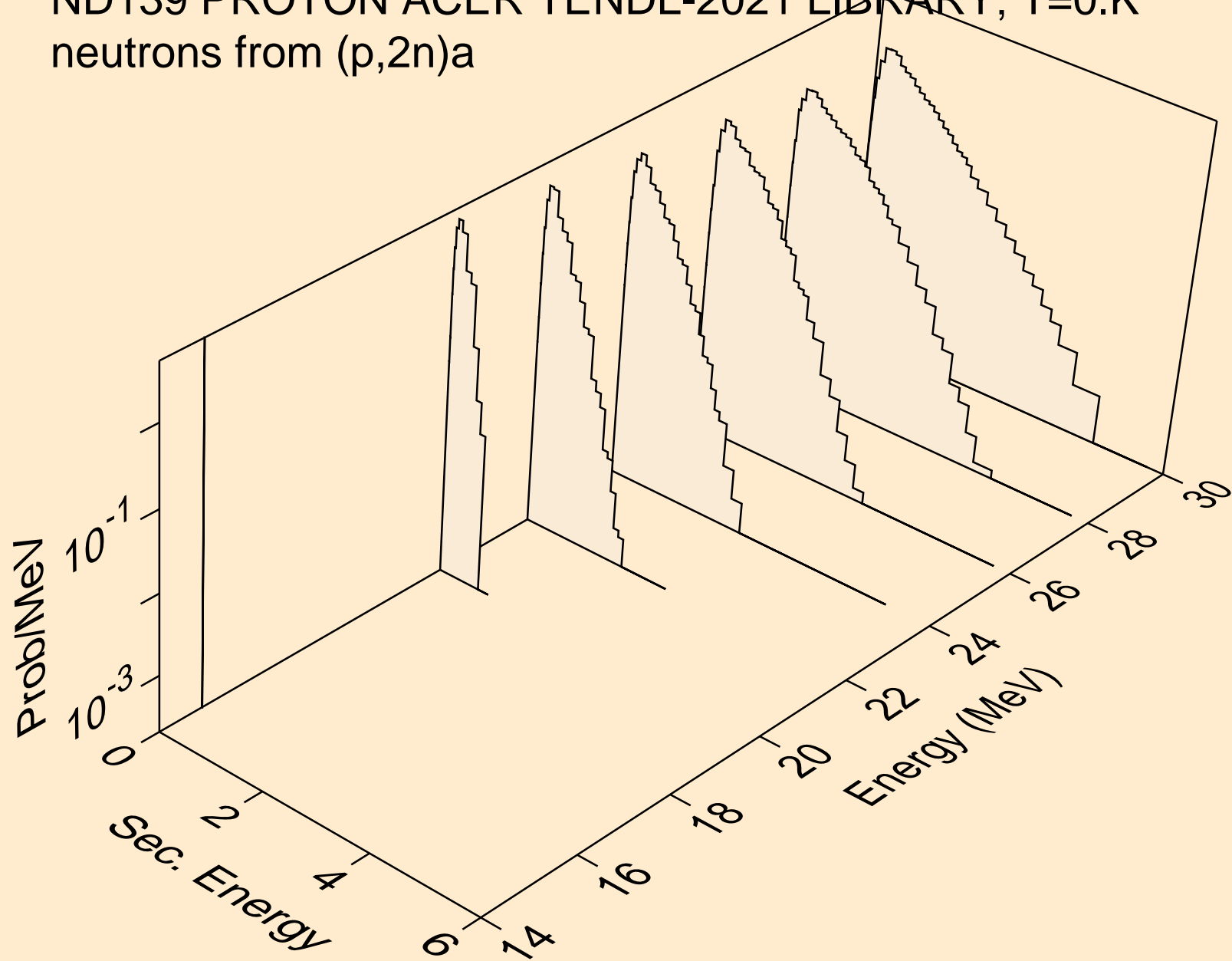




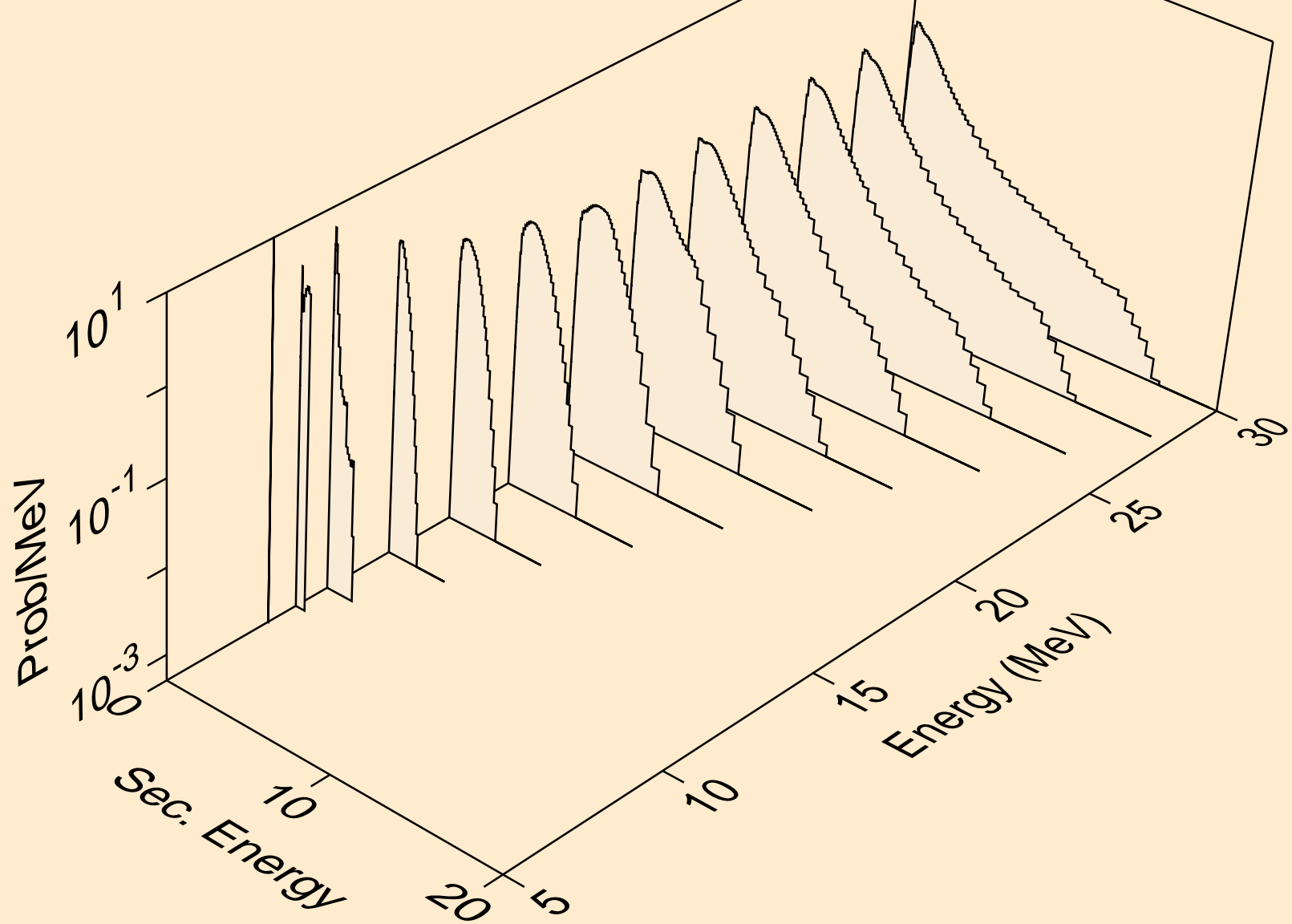
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)a



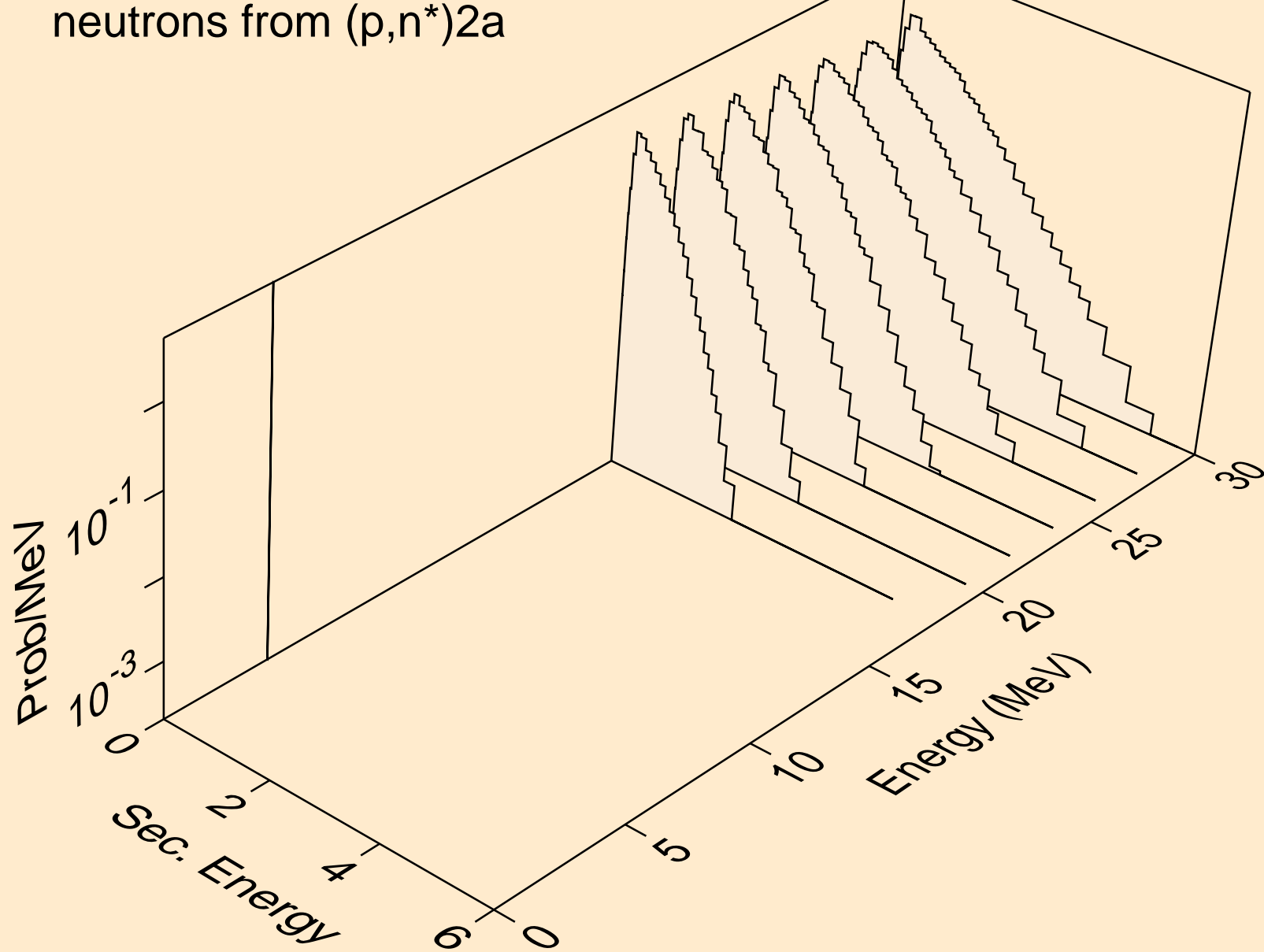
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2n)a



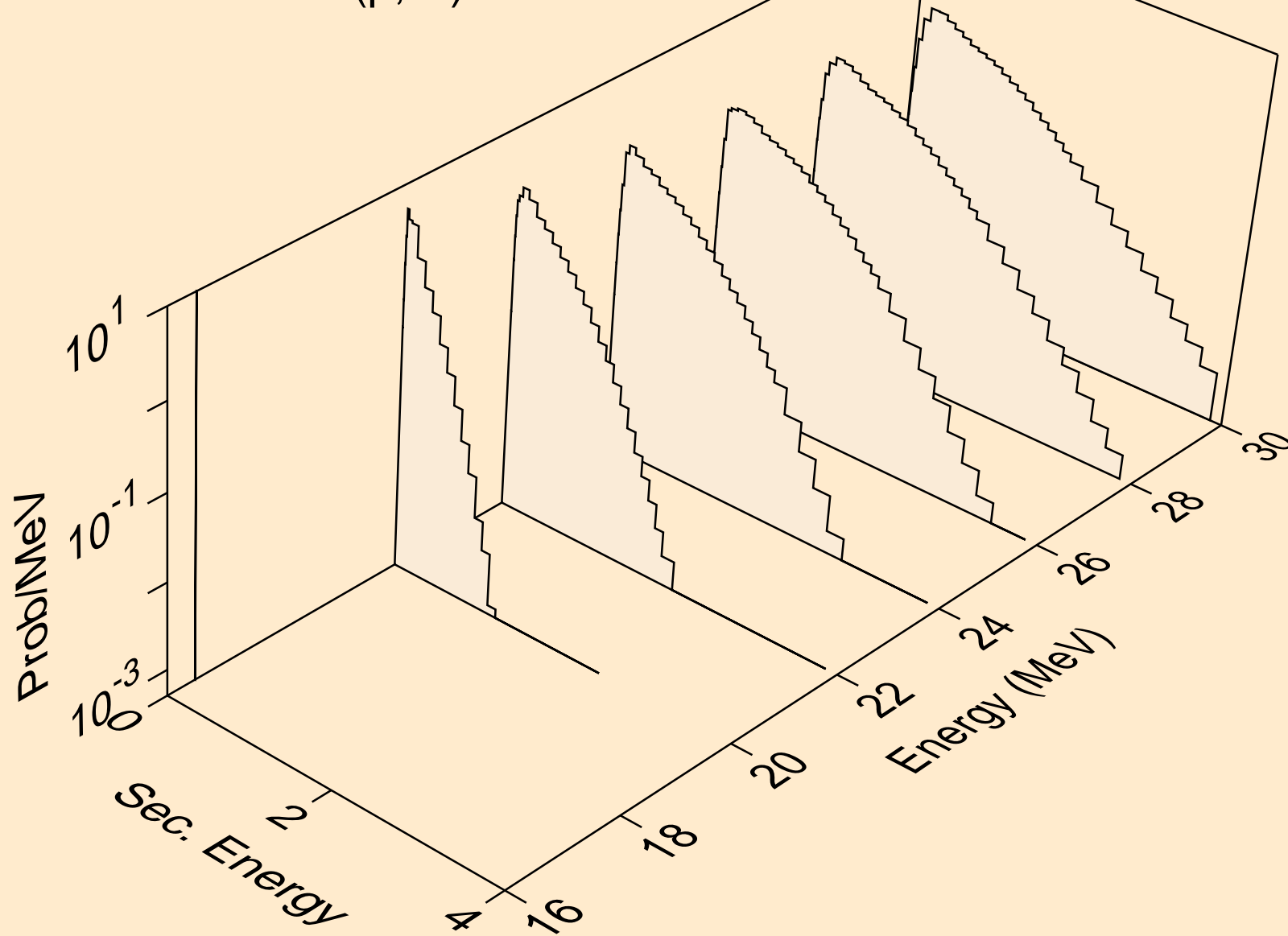
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)p



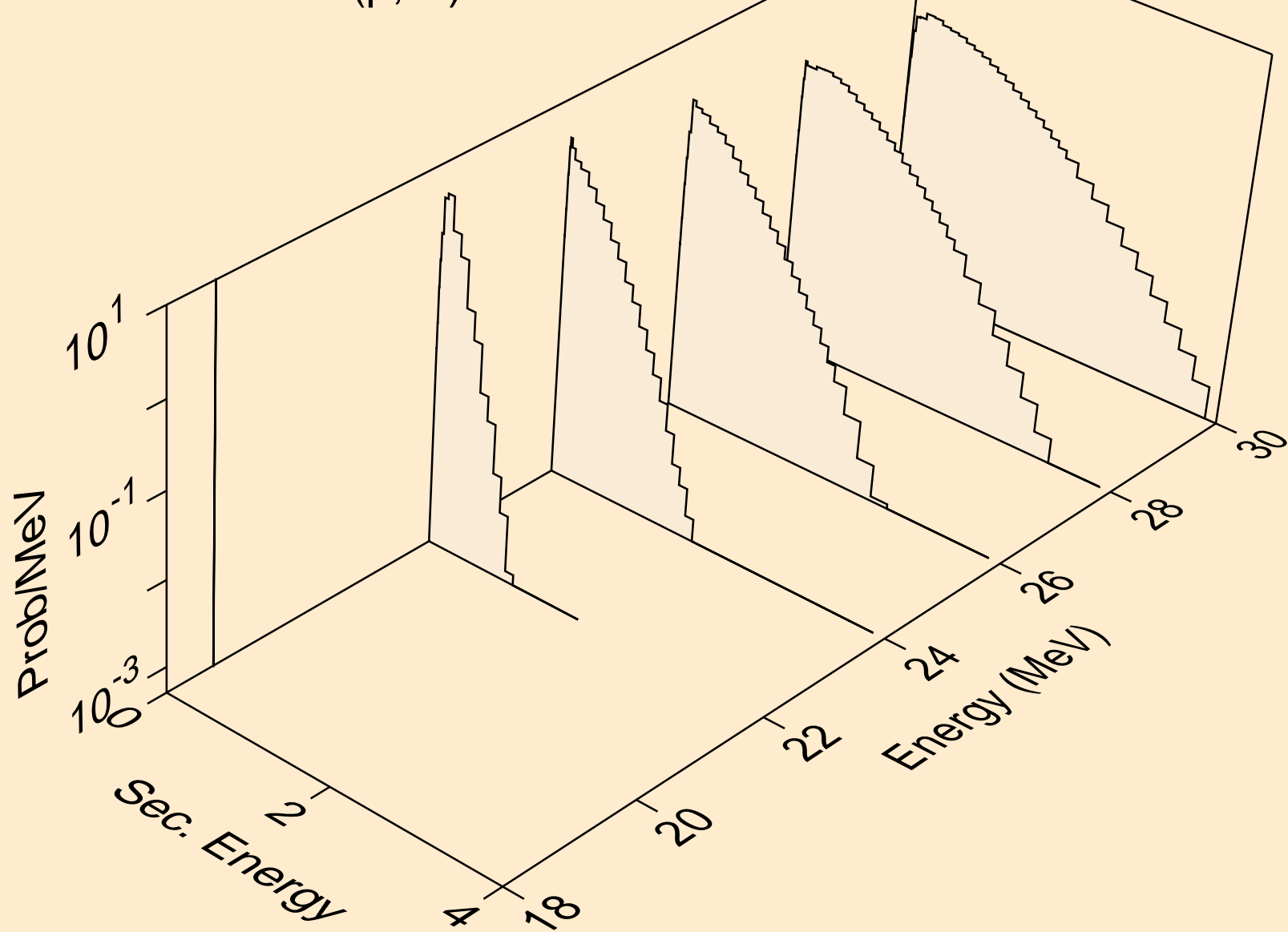
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)2a



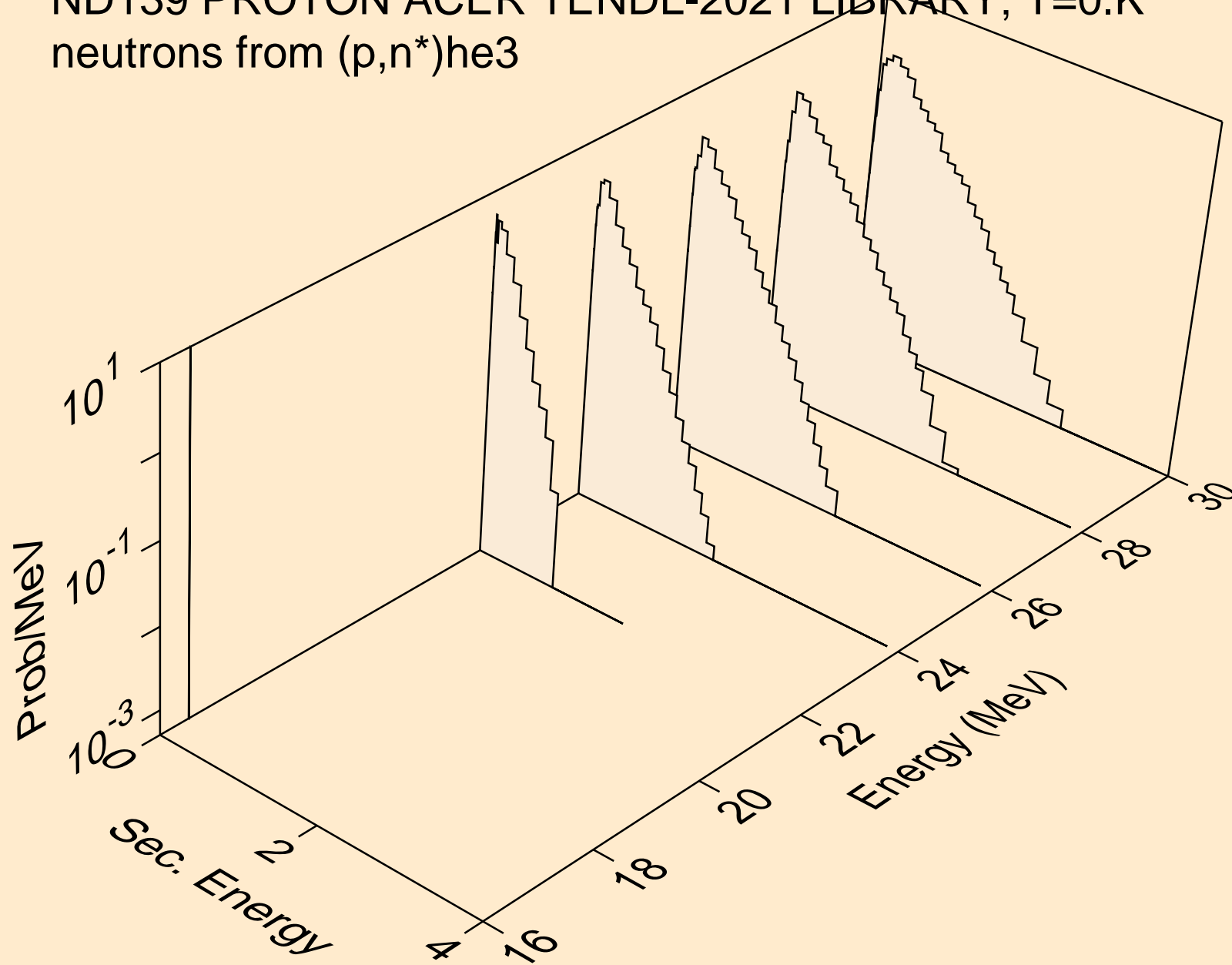
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)d



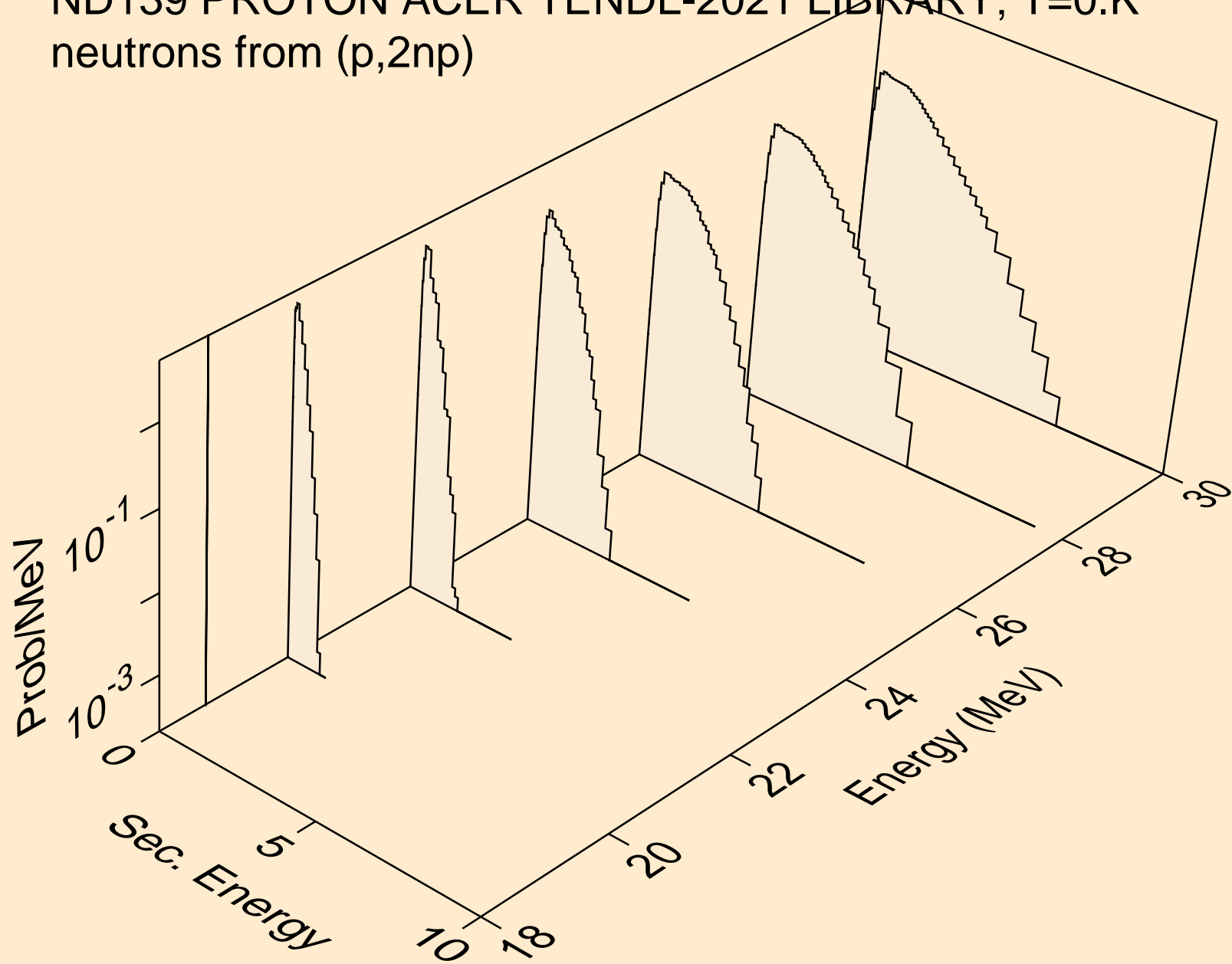
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)t



ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)he3

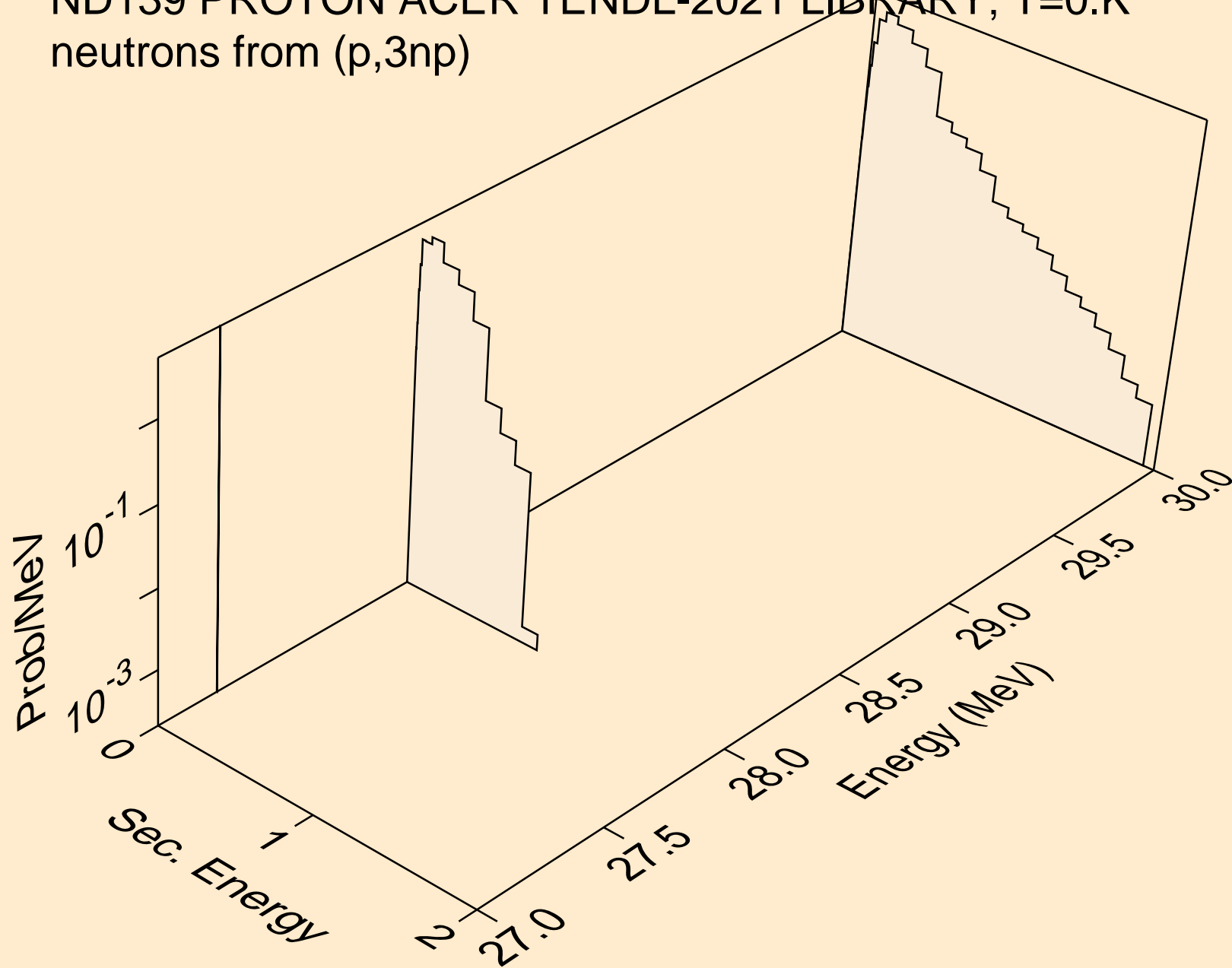


ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)

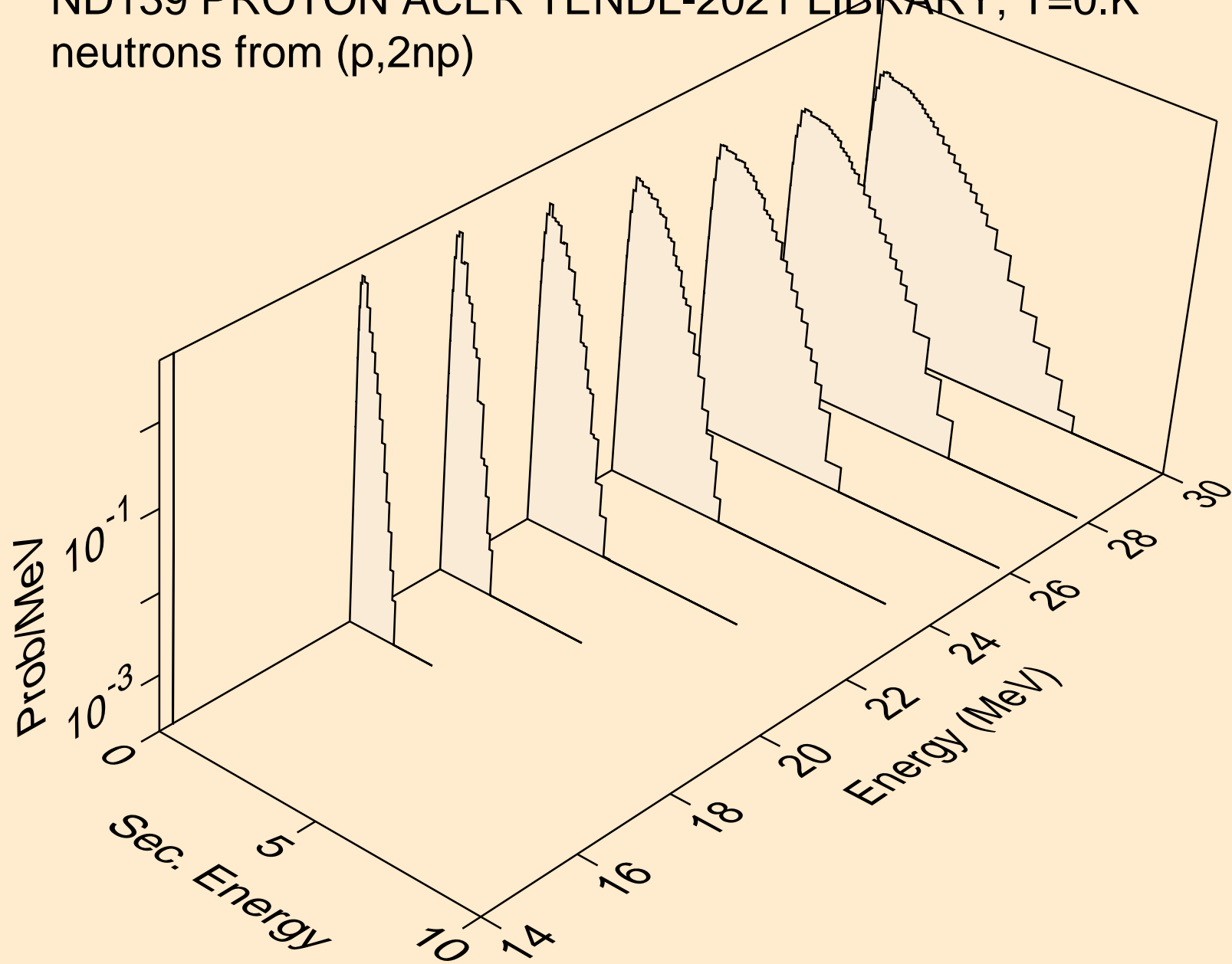




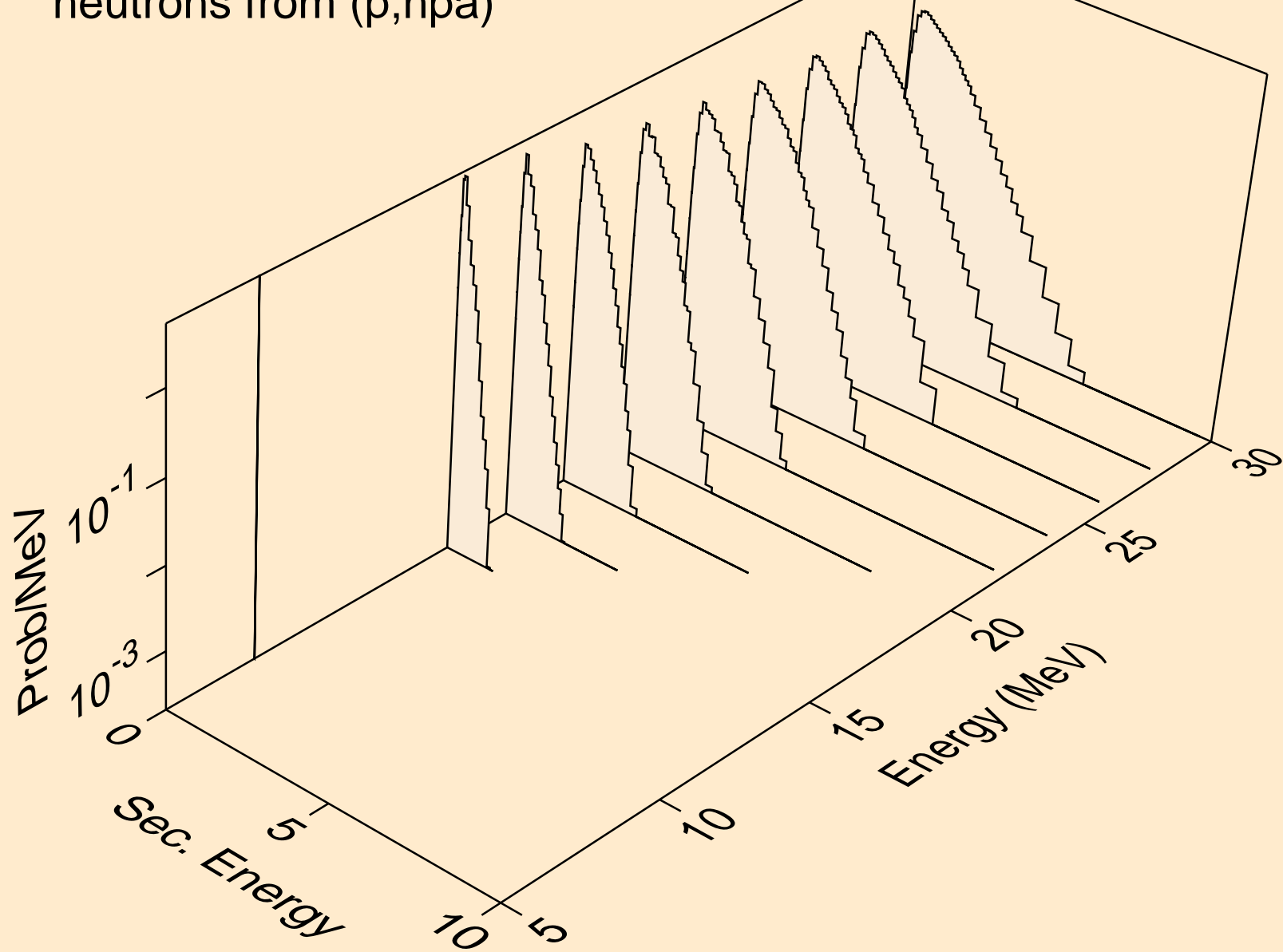
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3np)



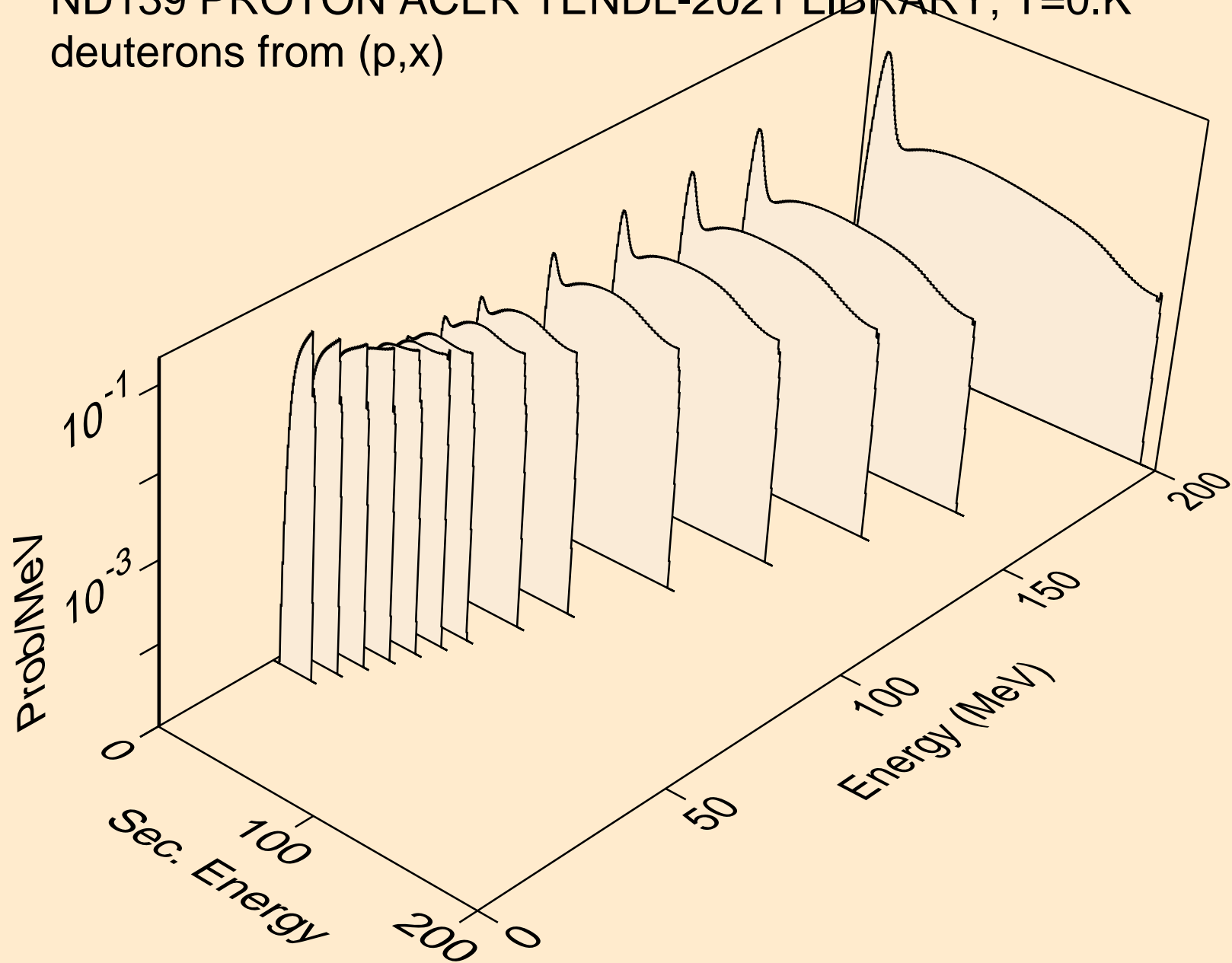
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)



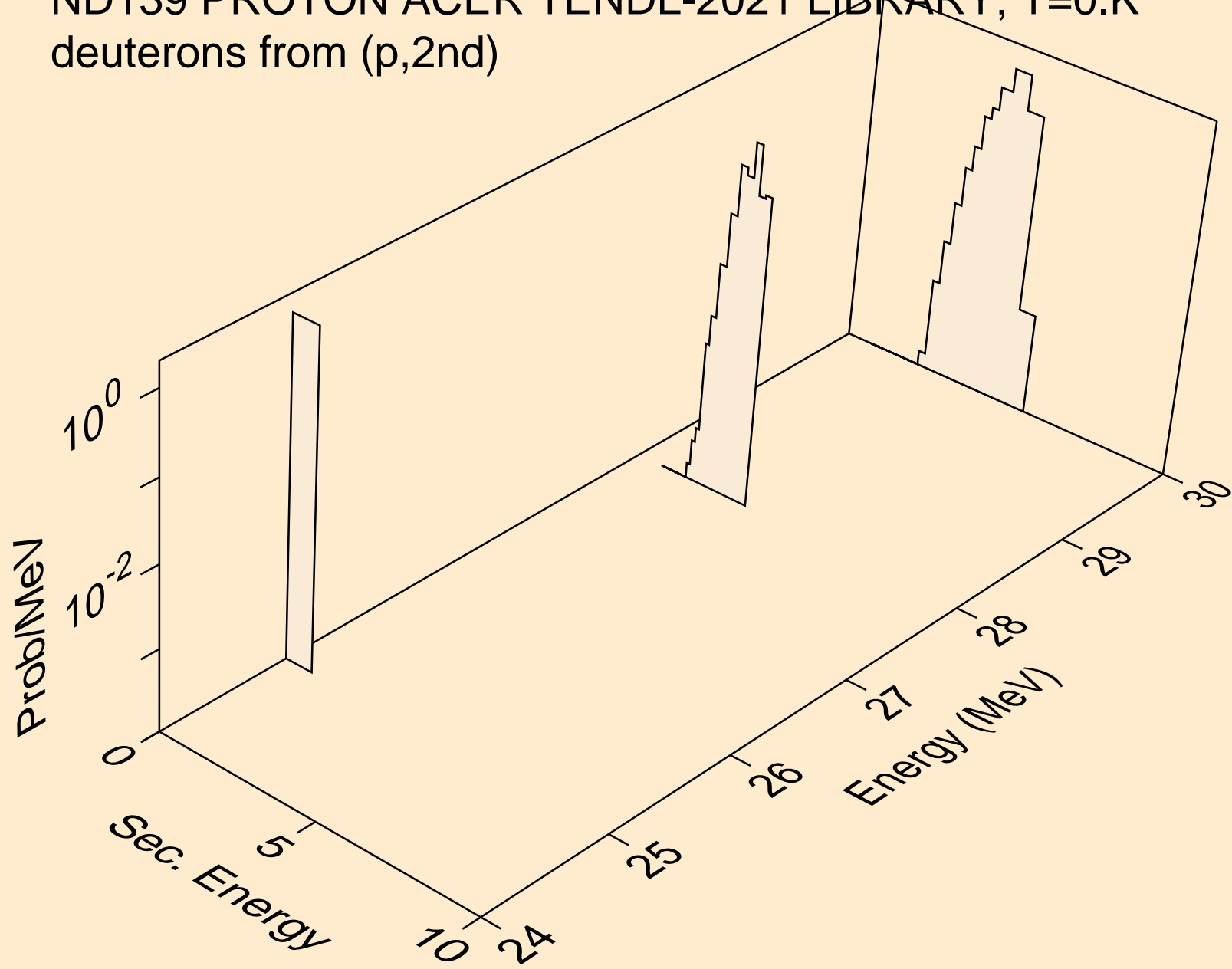
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,npa)



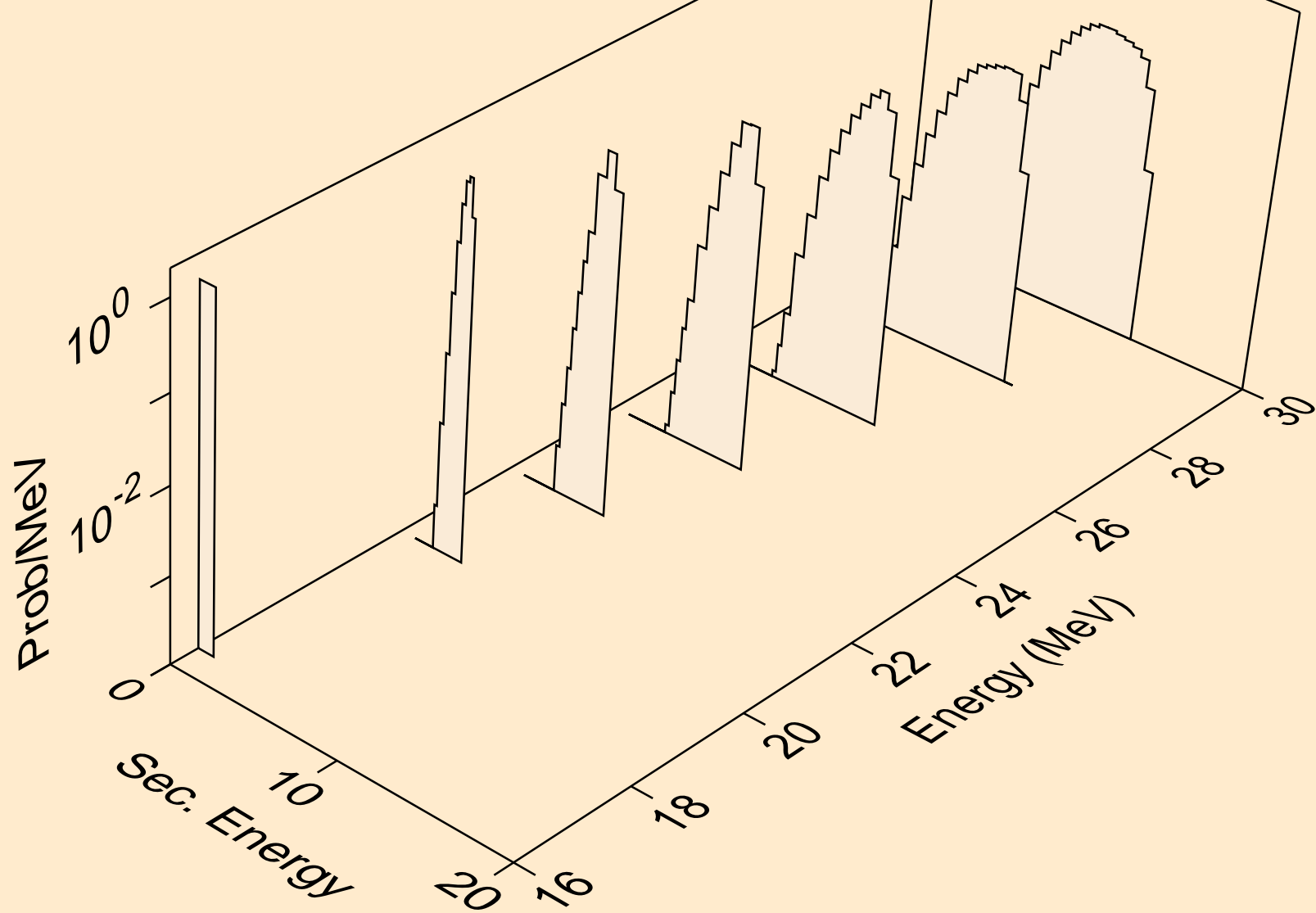
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,x)



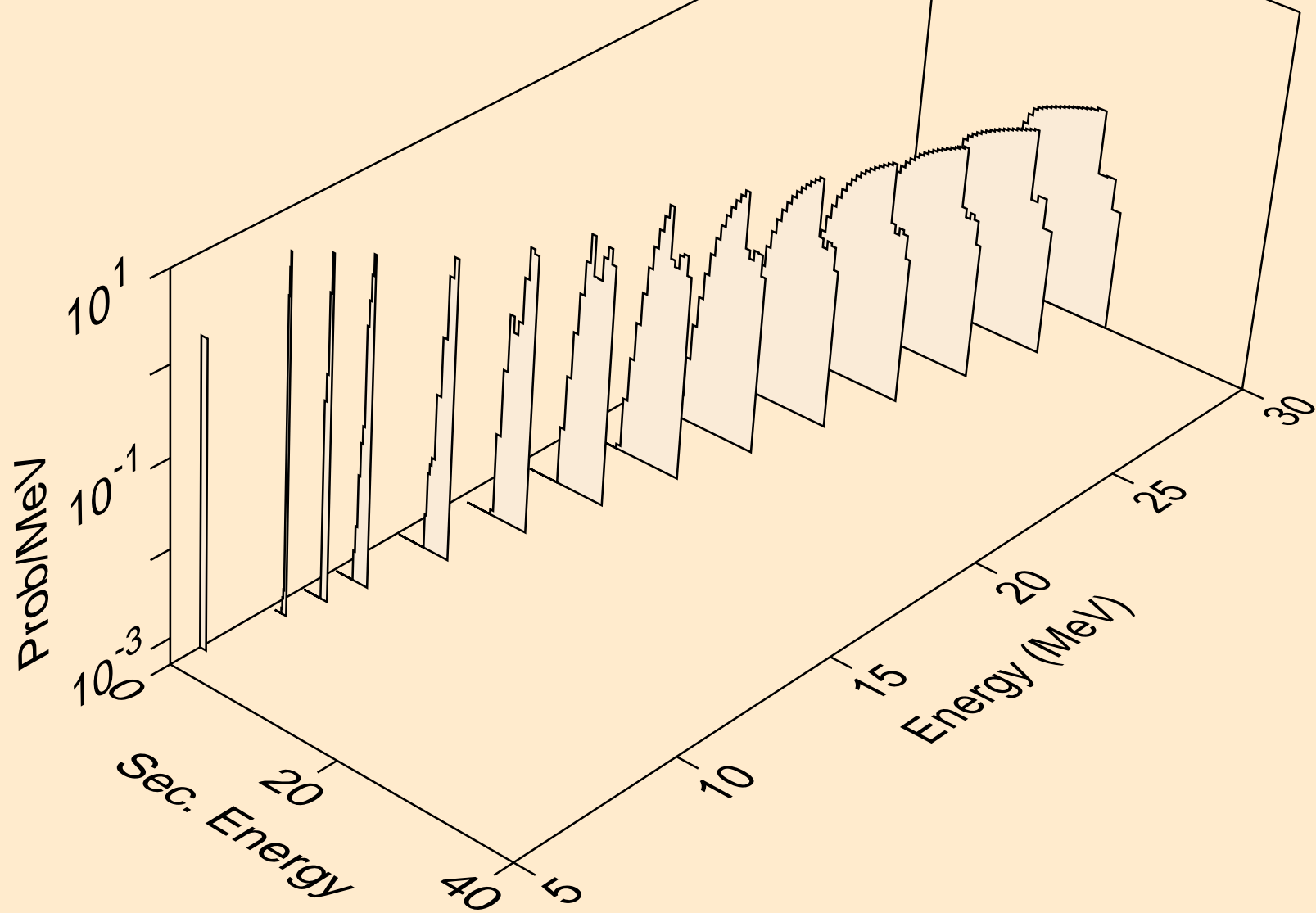
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,2nd)



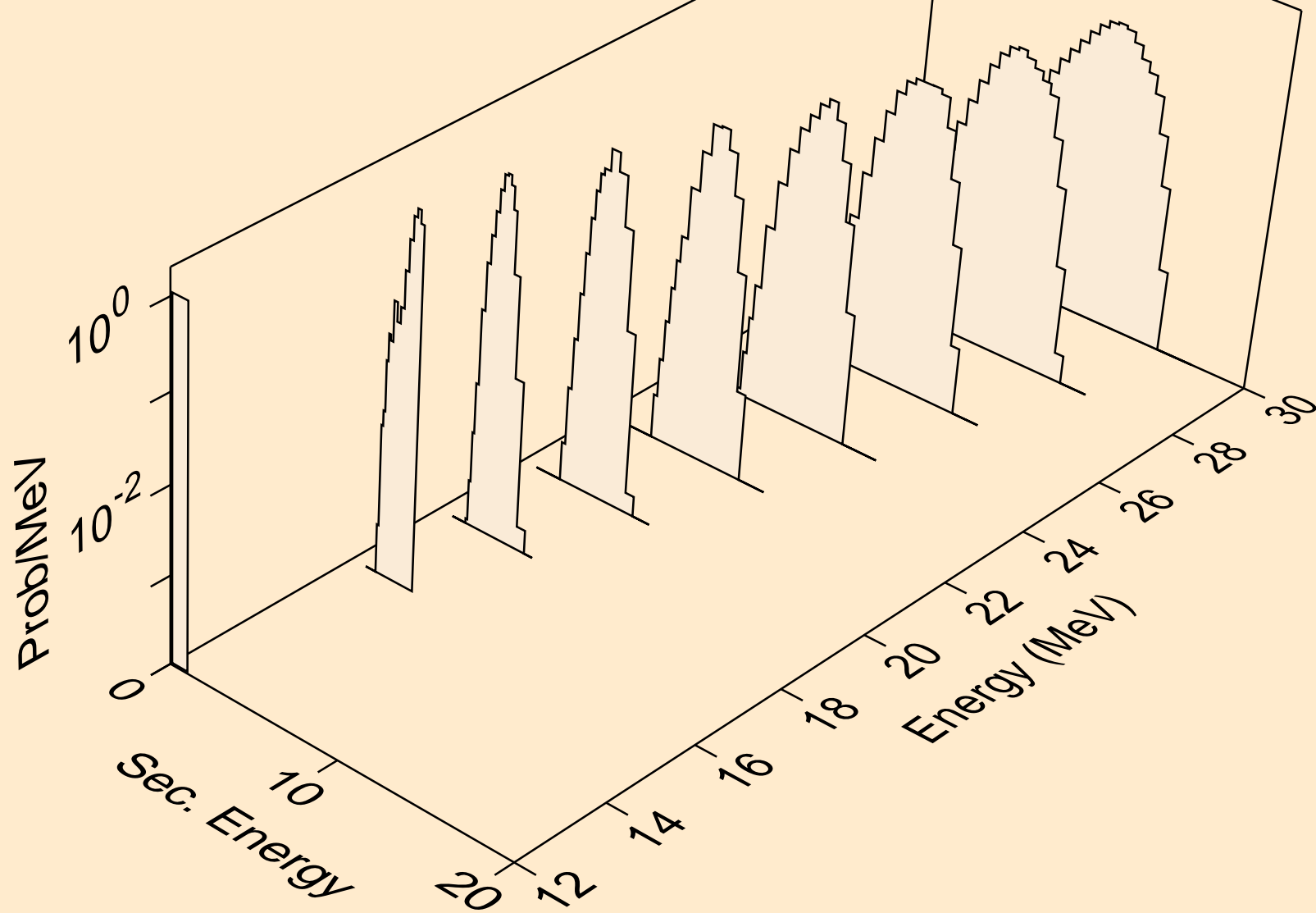
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,n\*)d



ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,d)

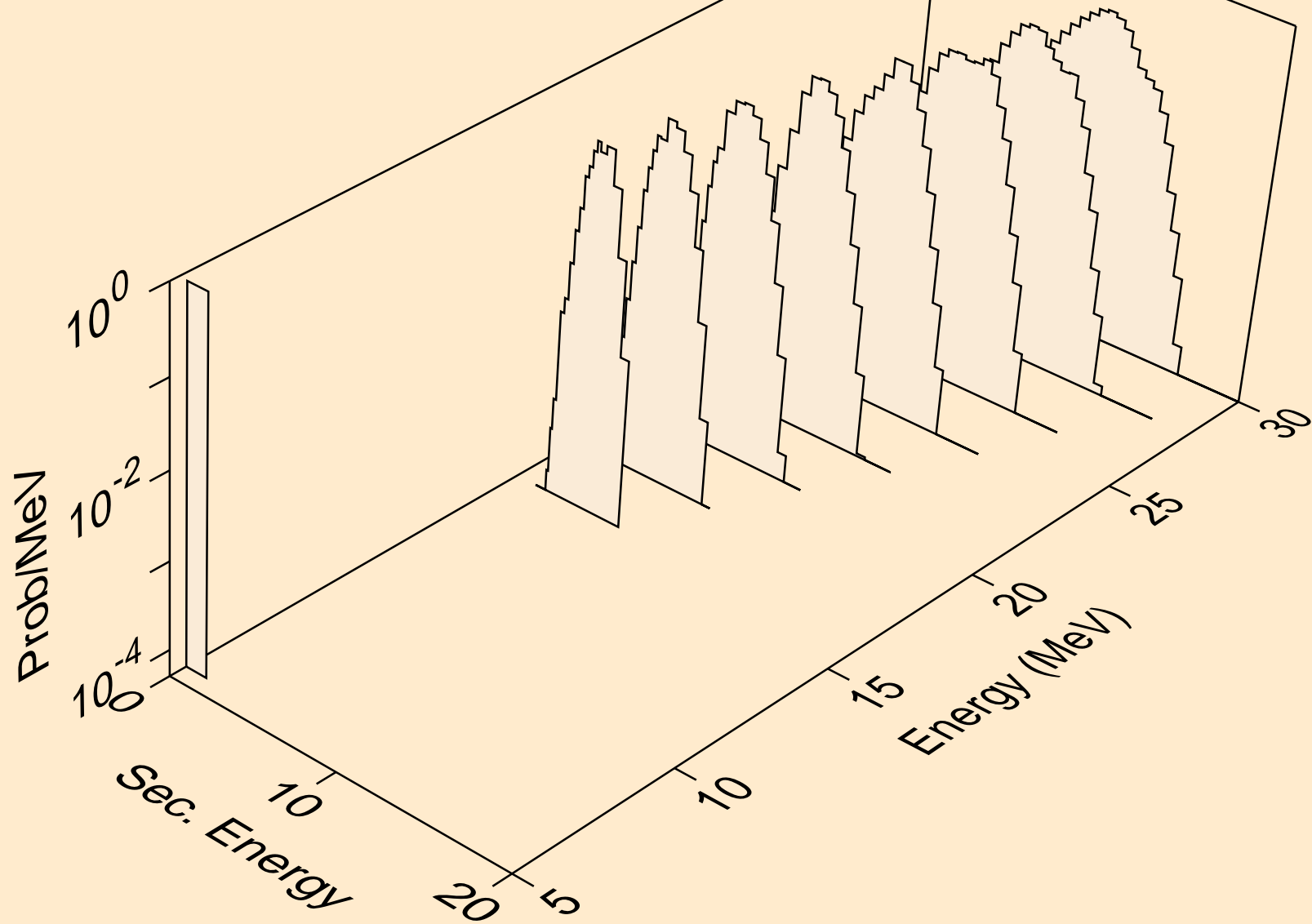


ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,pd)

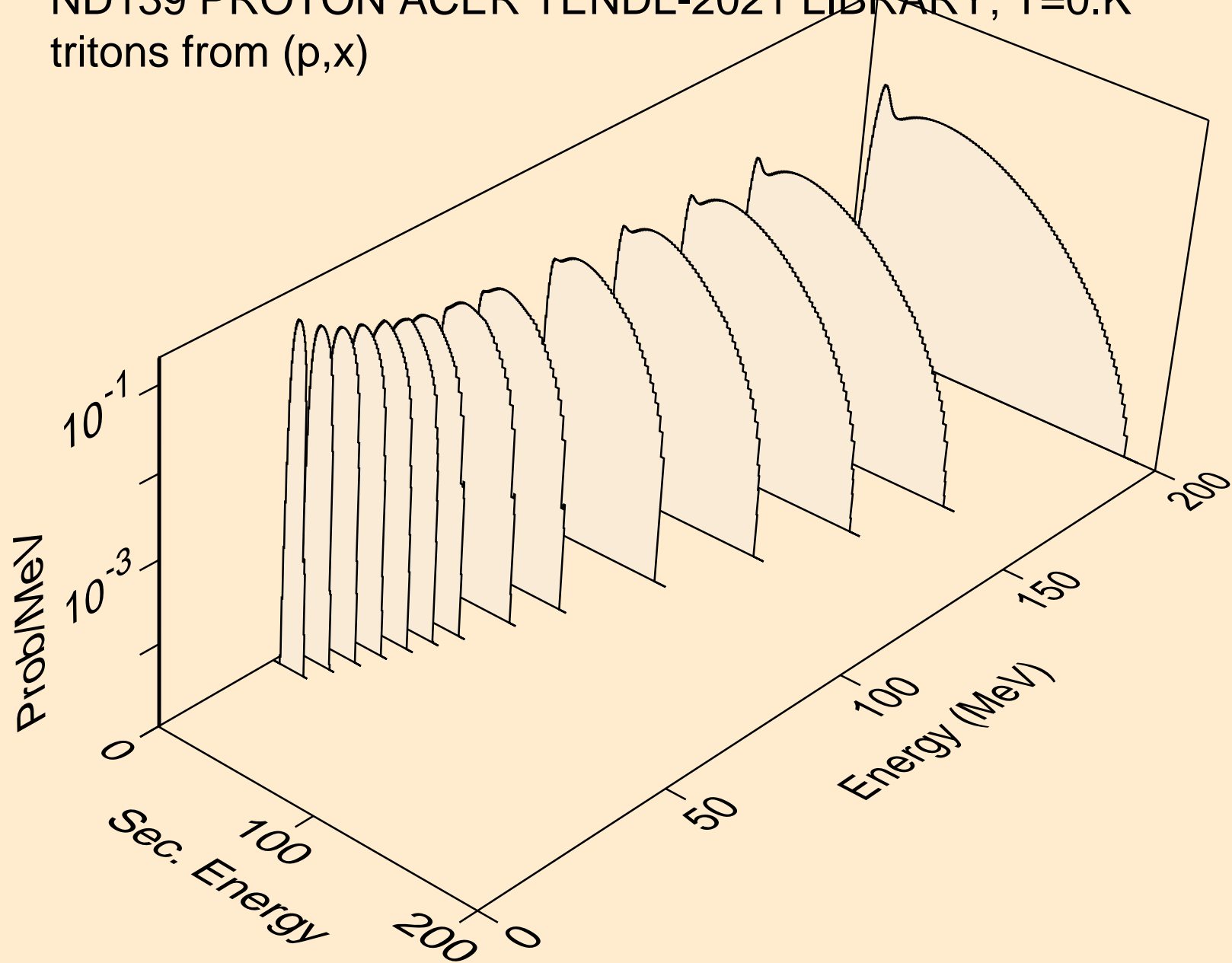




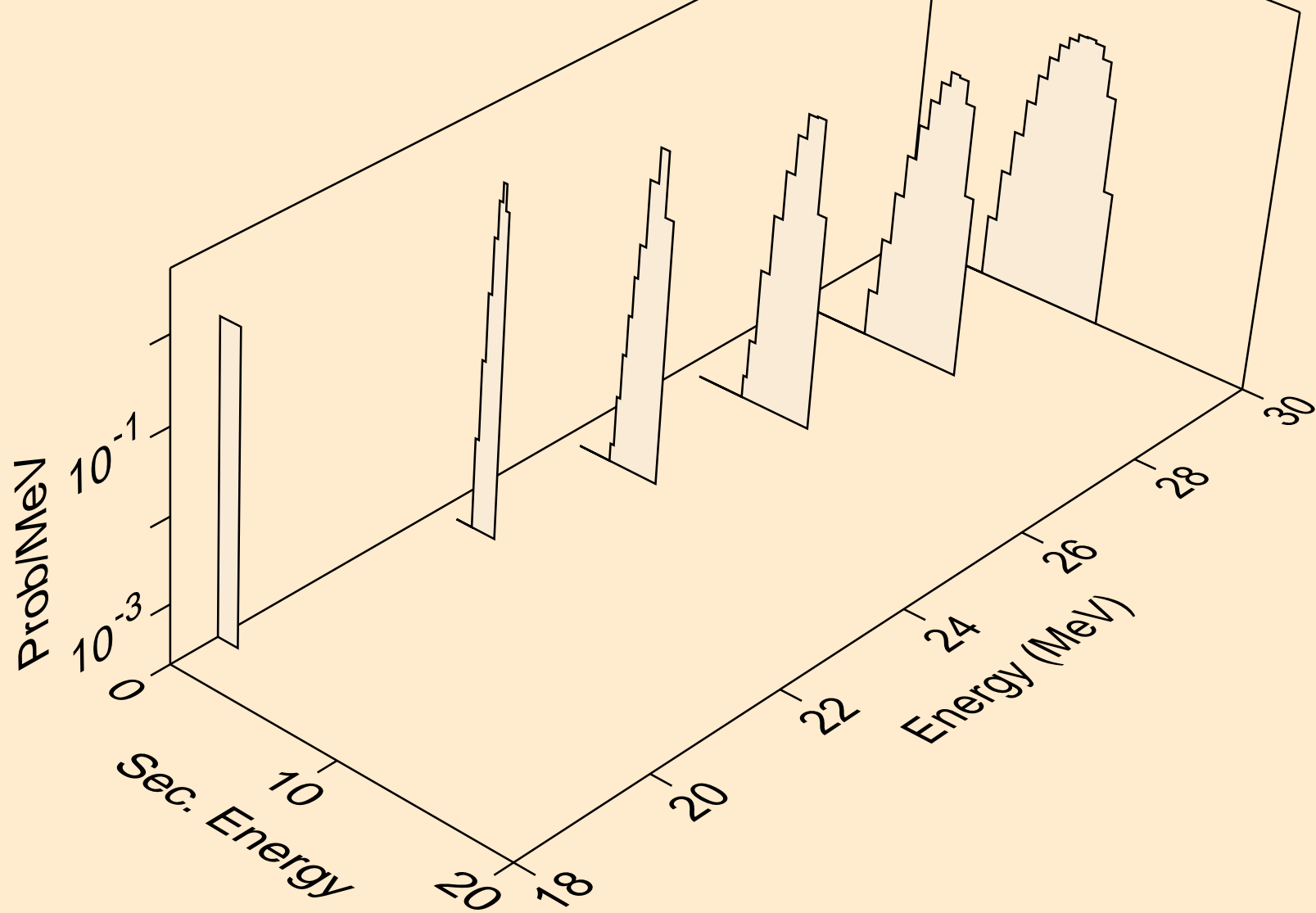
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,da)



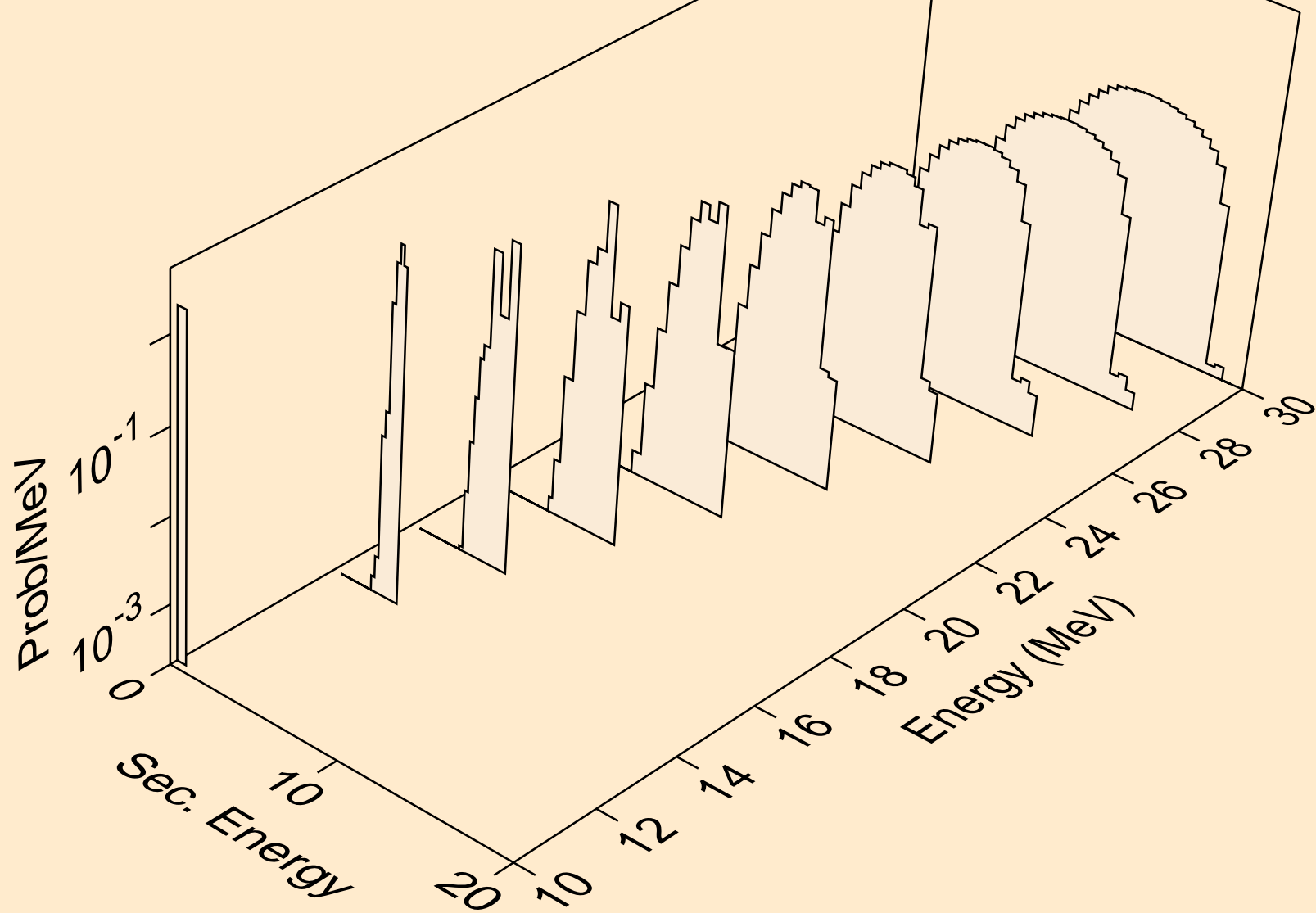
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,x)



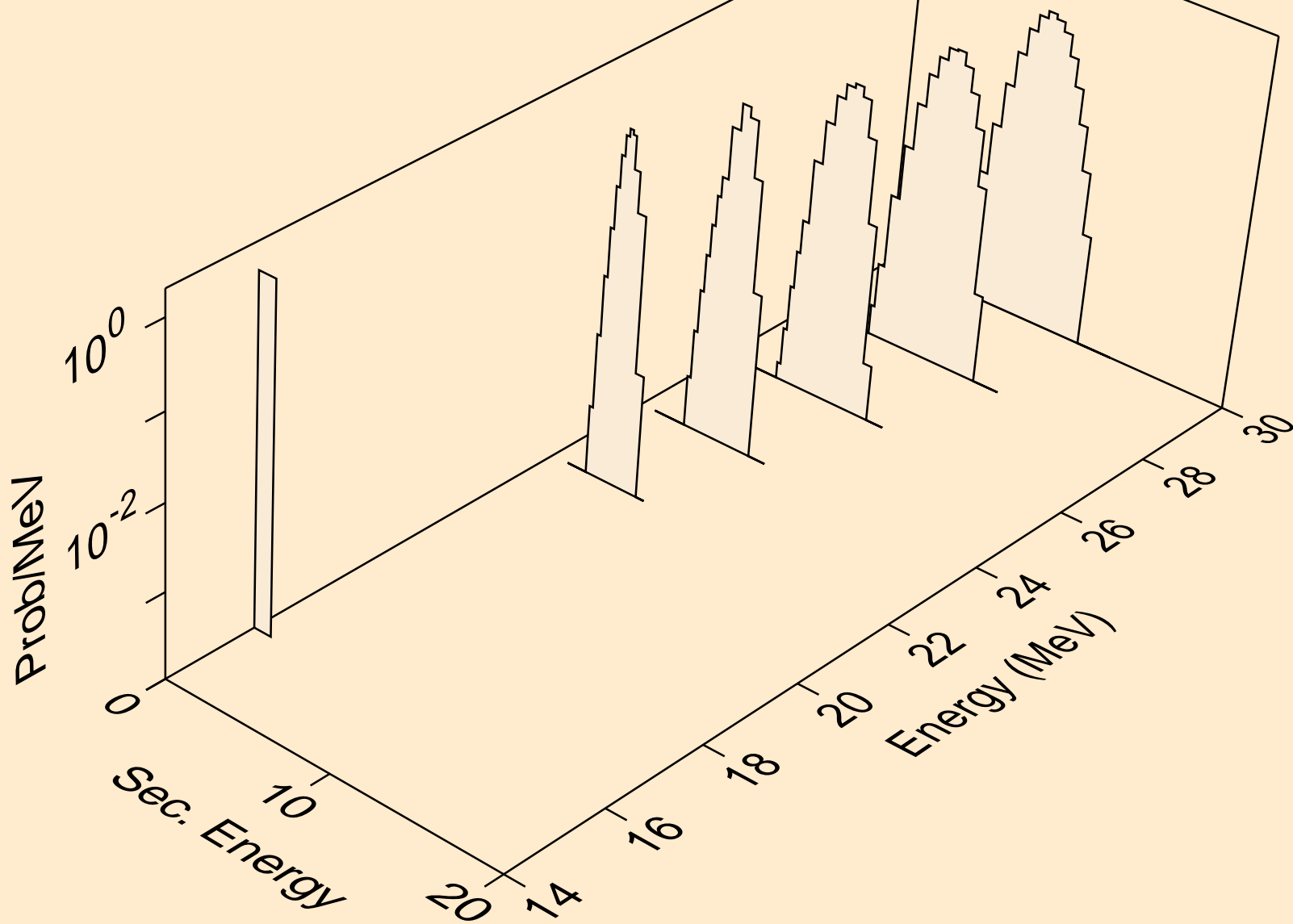
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,n\*)t



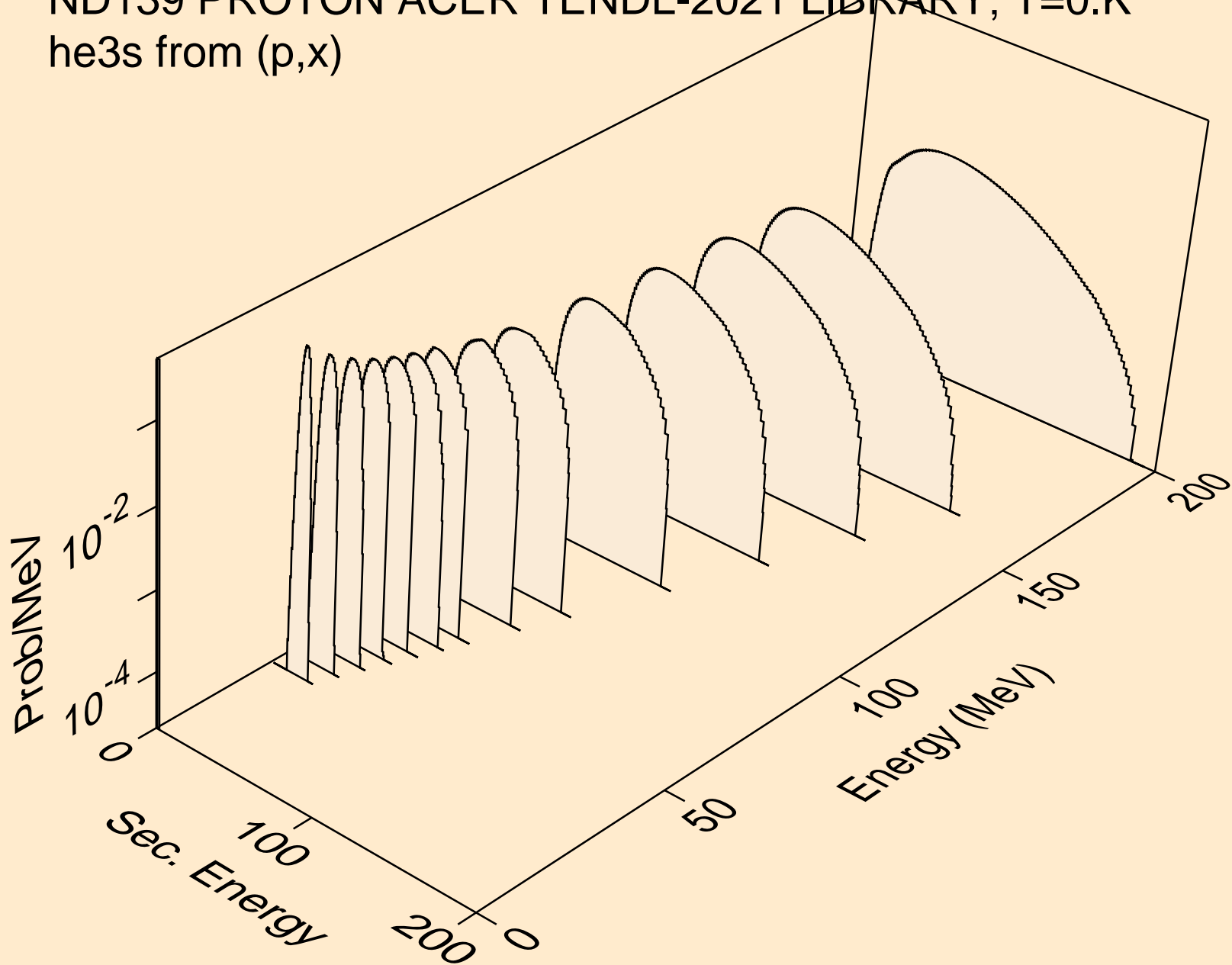
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,t)



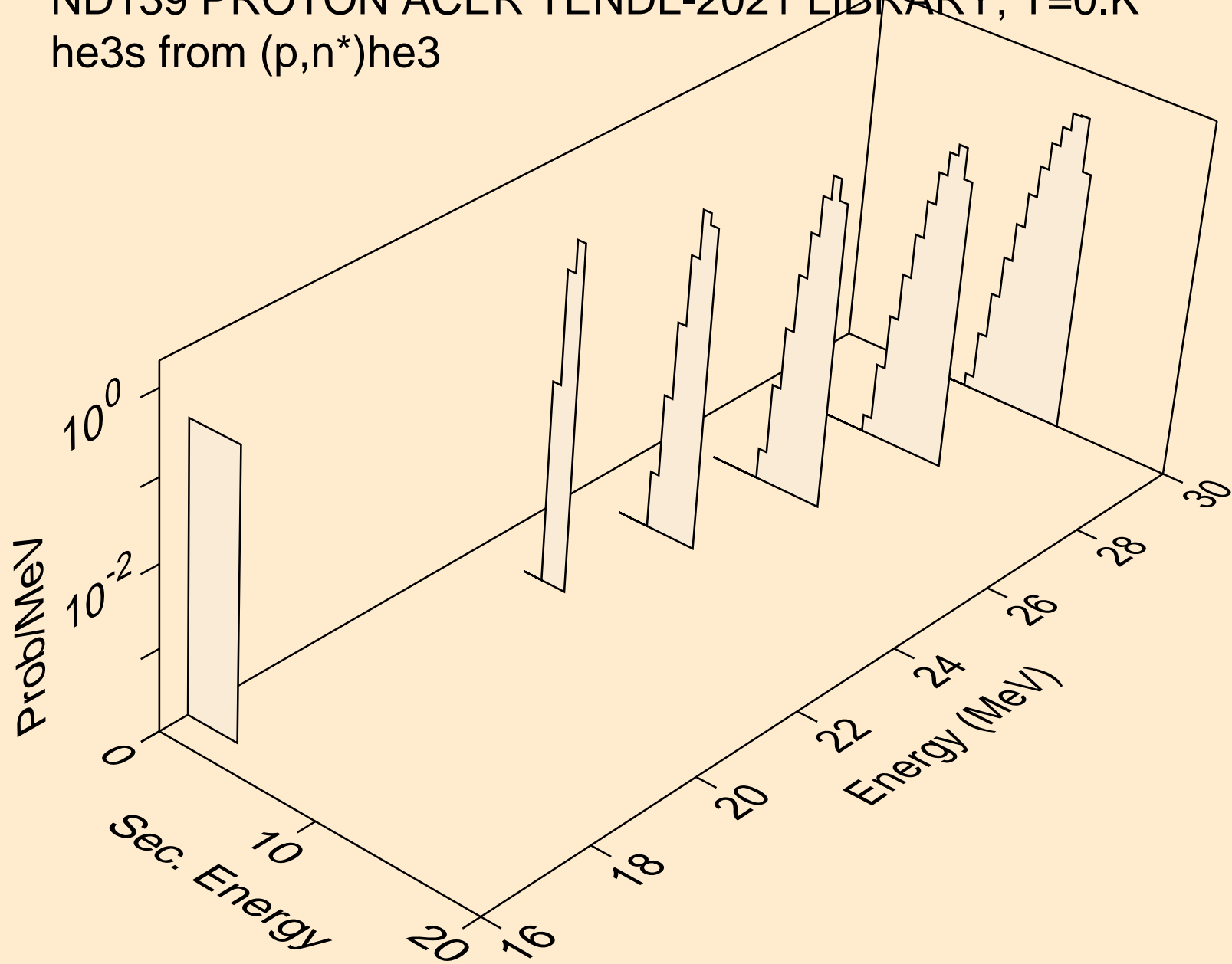
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,pt)



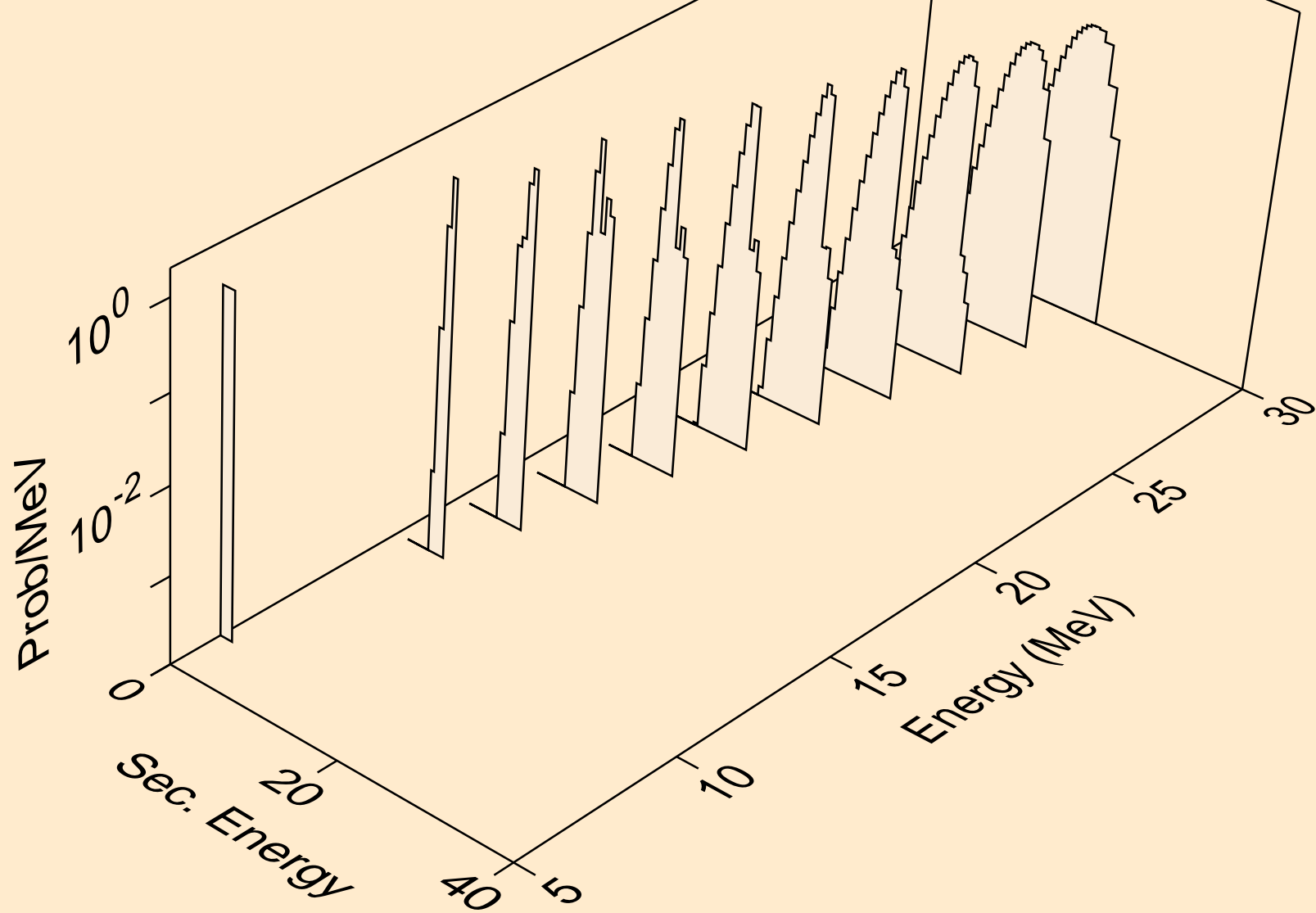
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,x)



ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,n\*)he3

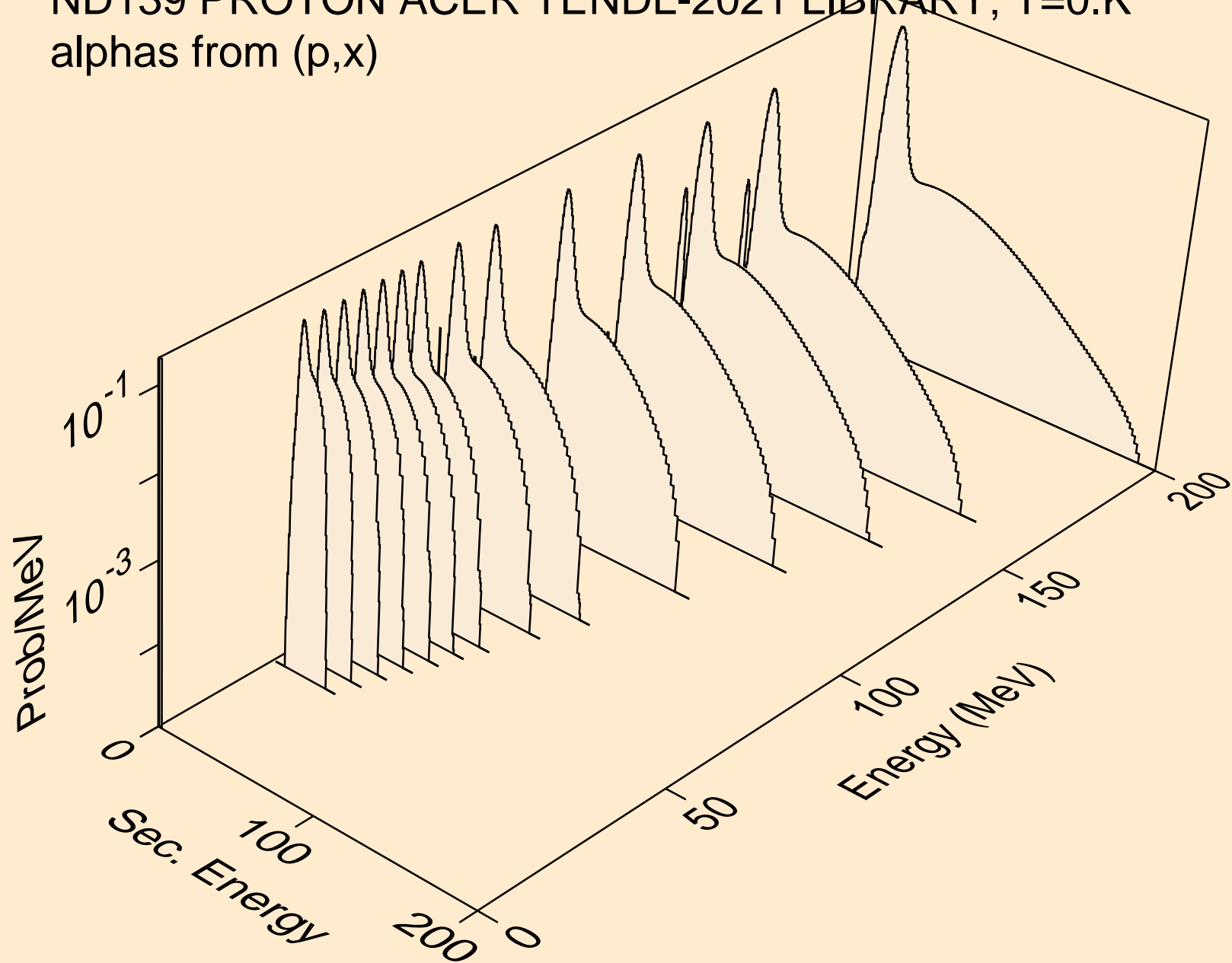


ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,he3)

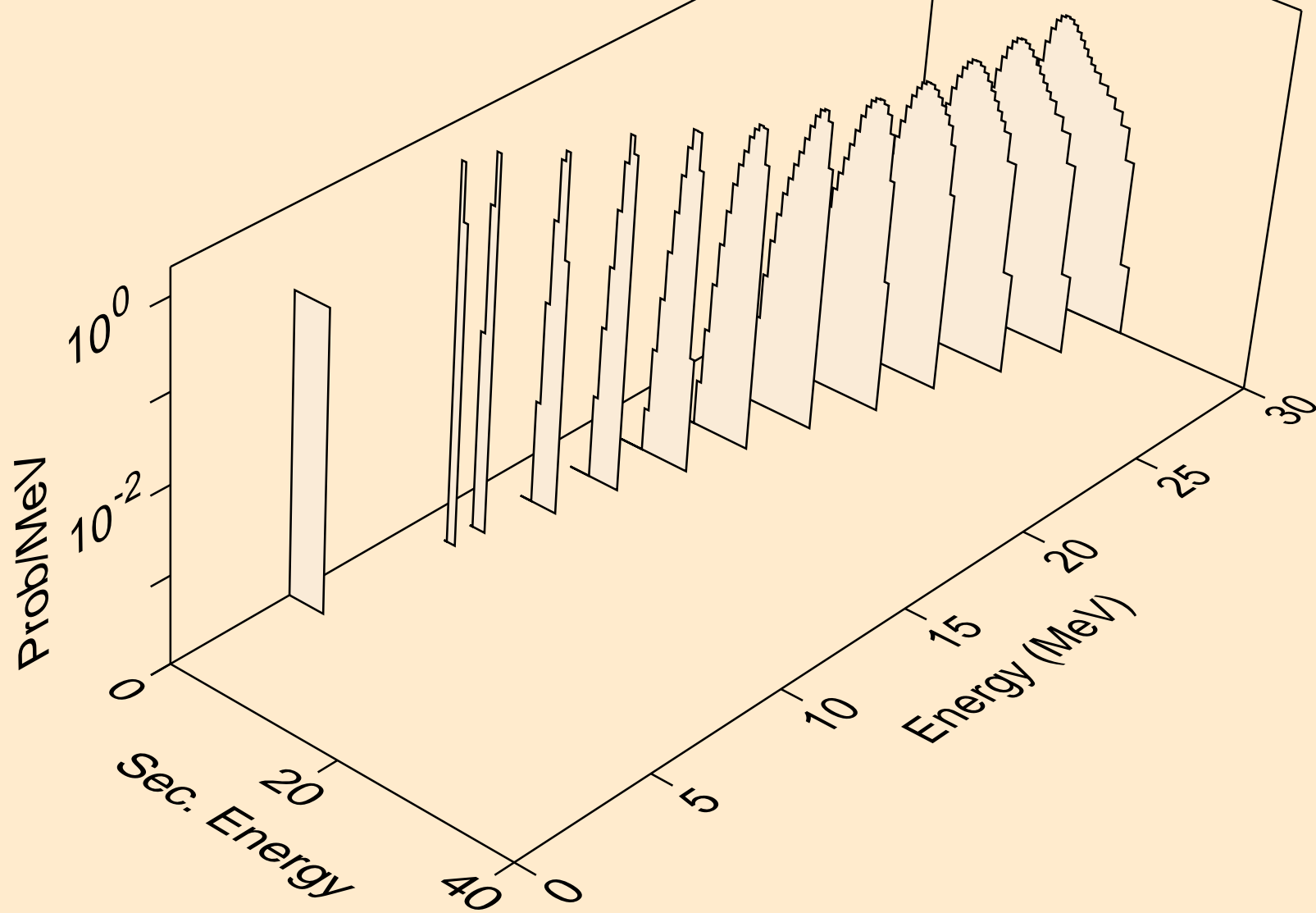




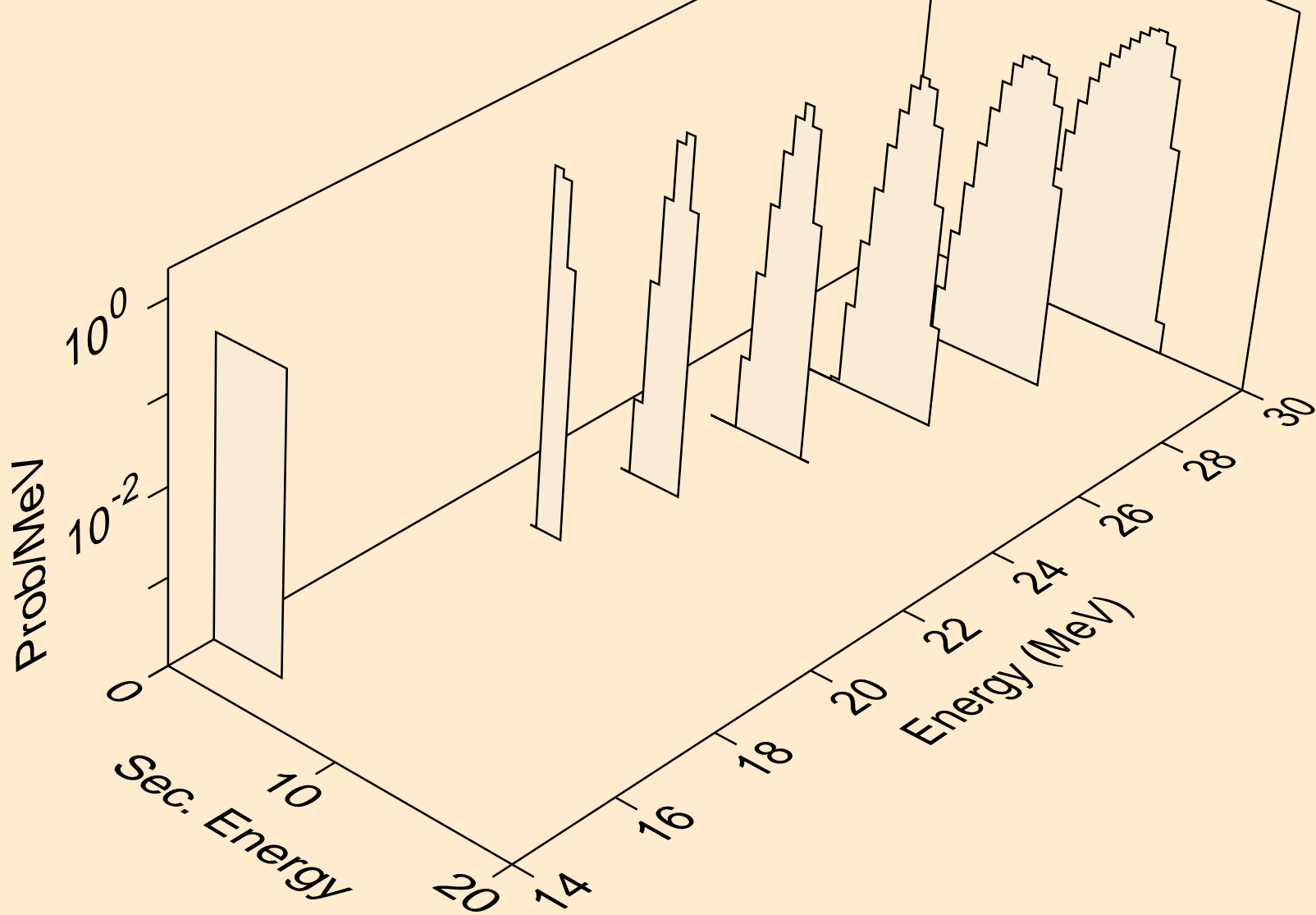
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,x)



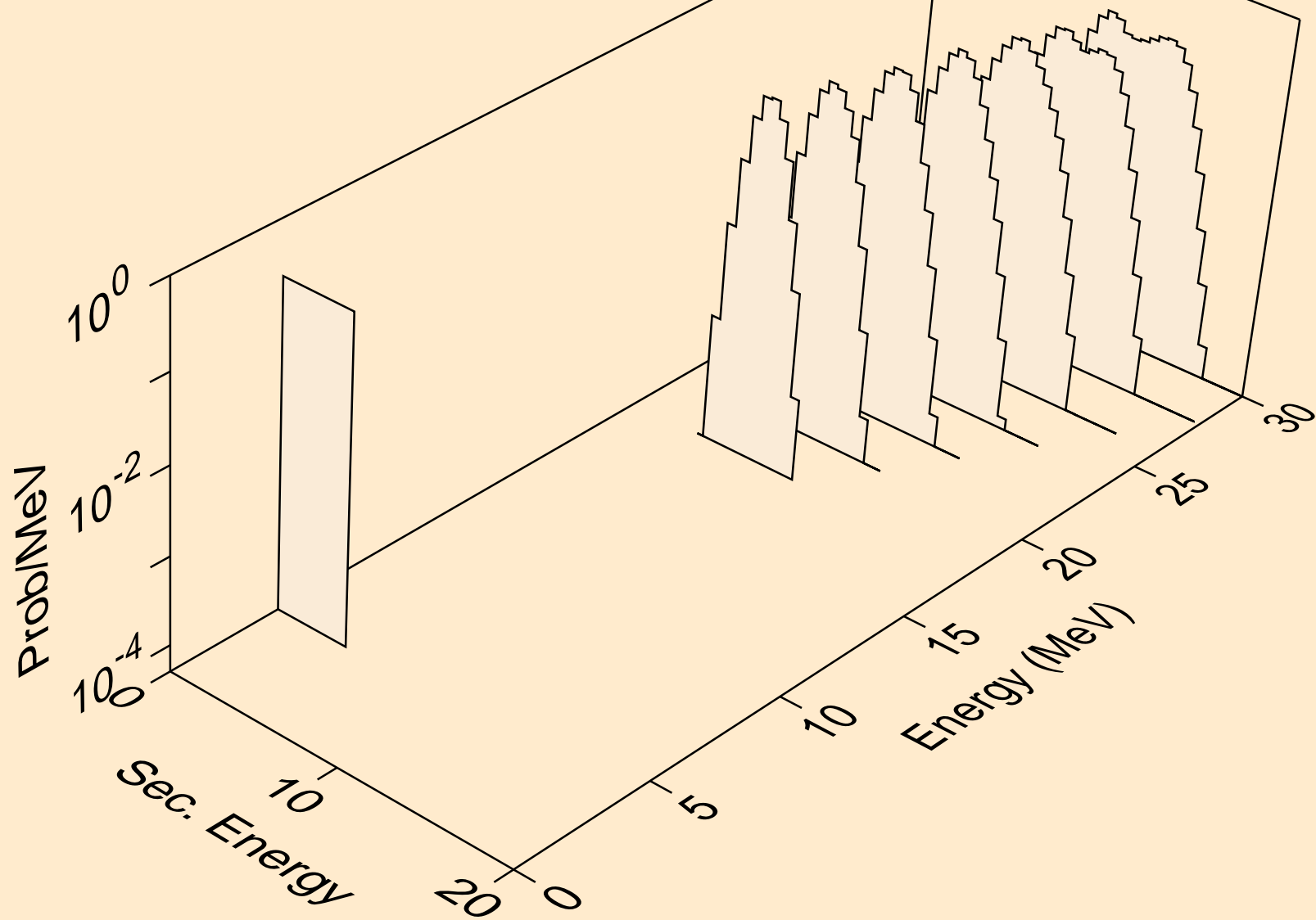
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)a



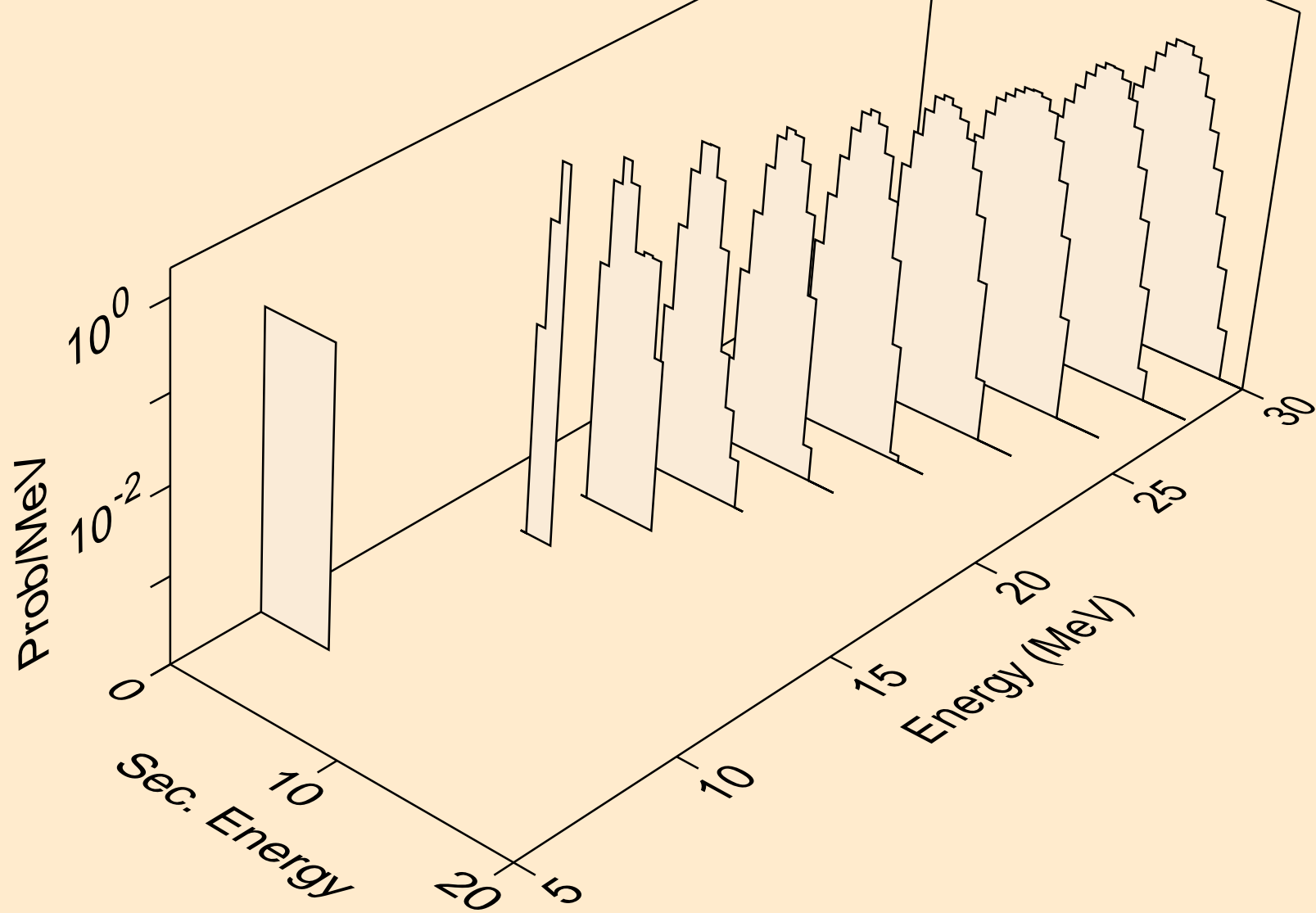
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2n)a



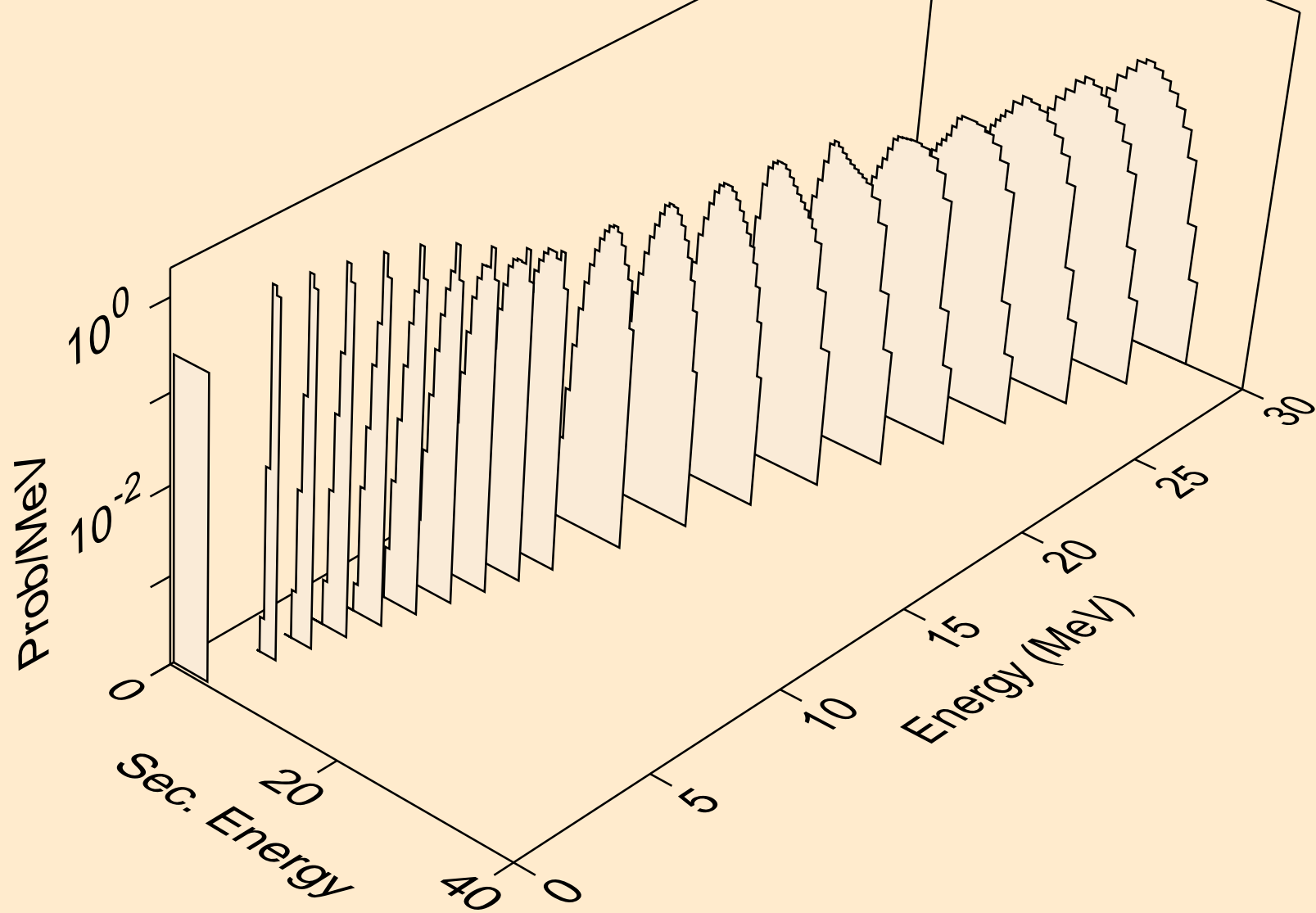
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)2a



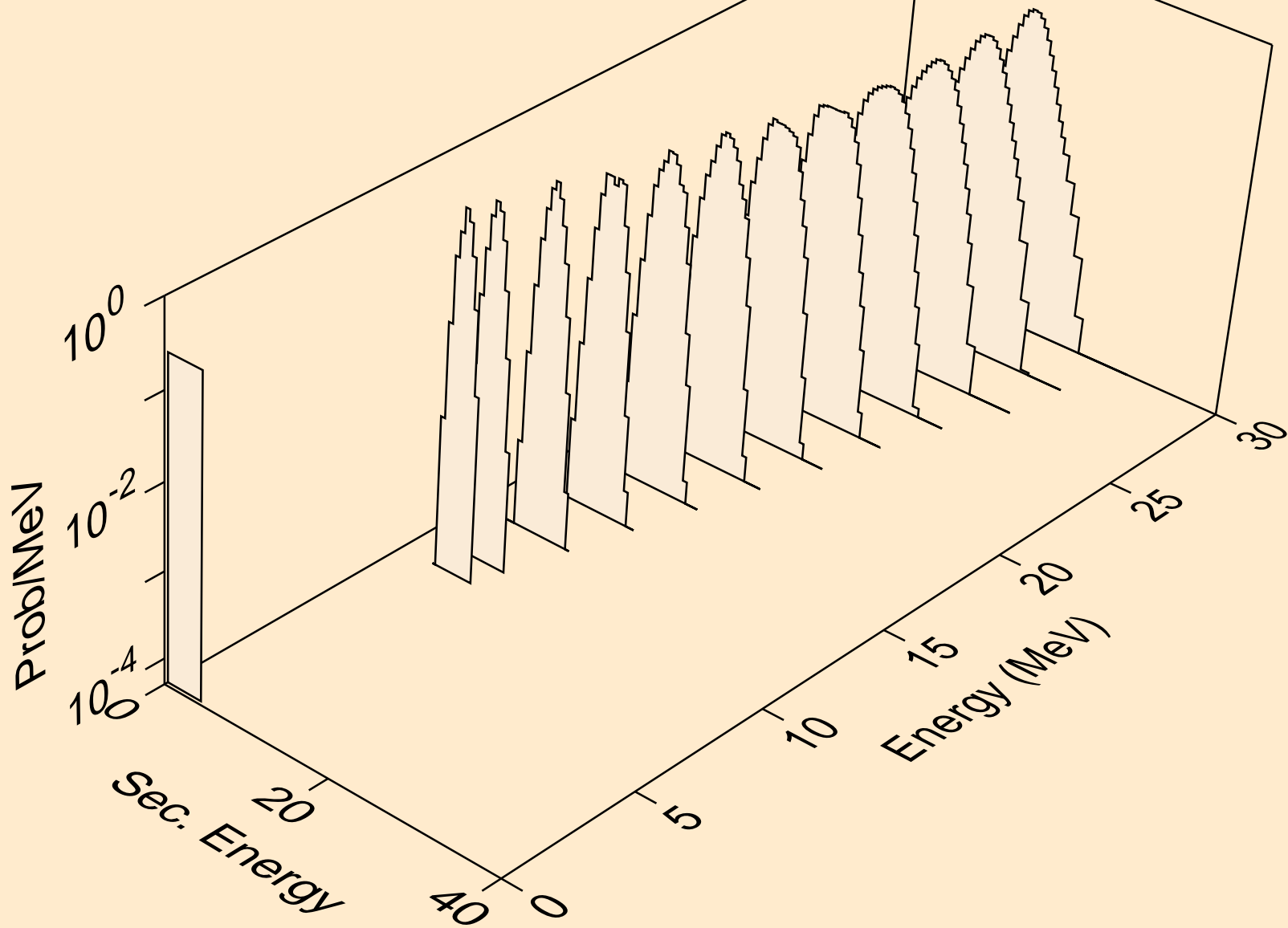
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,npa)



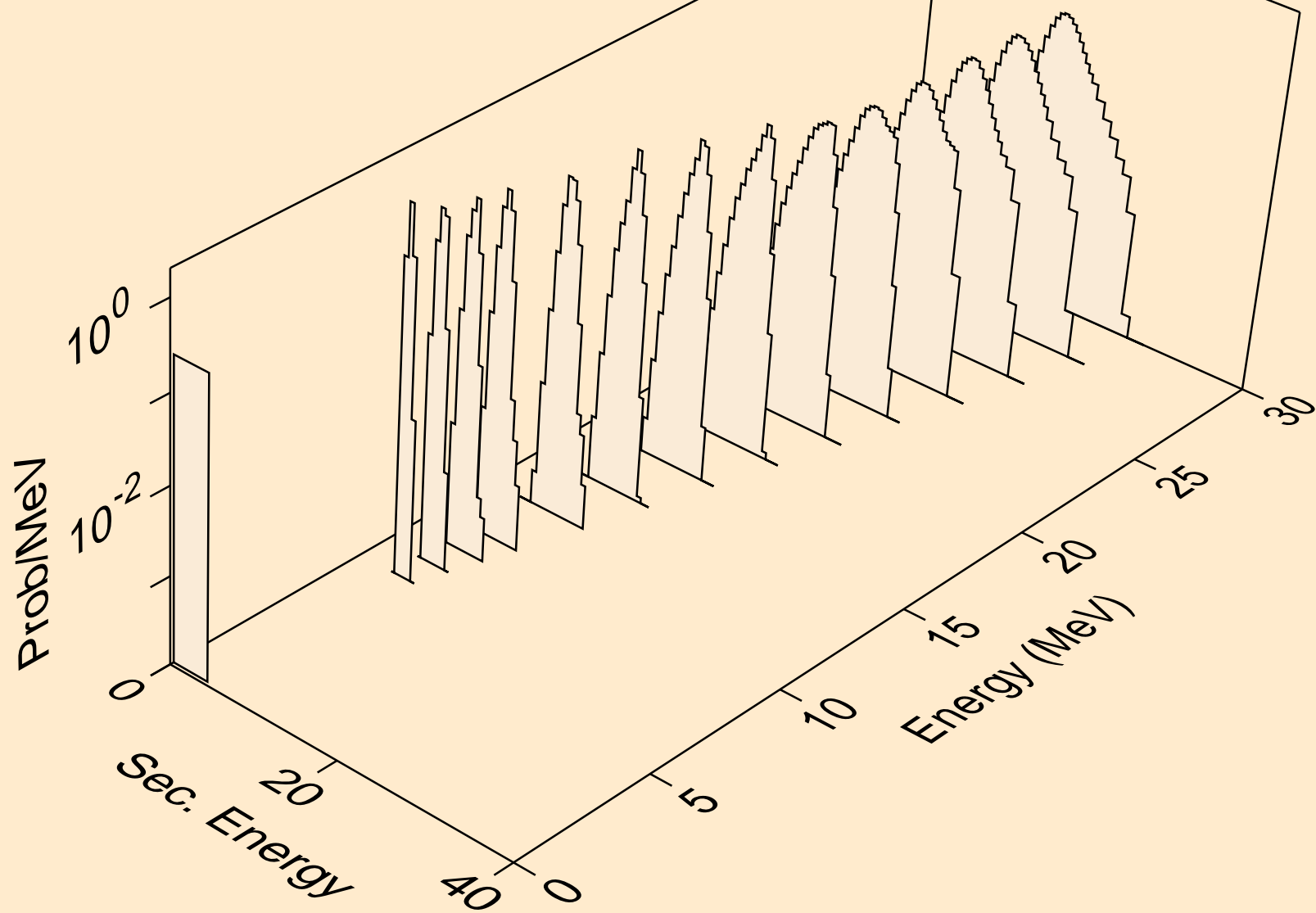
ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,a)



ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2a)



ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,pa)





ND139 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,da)

