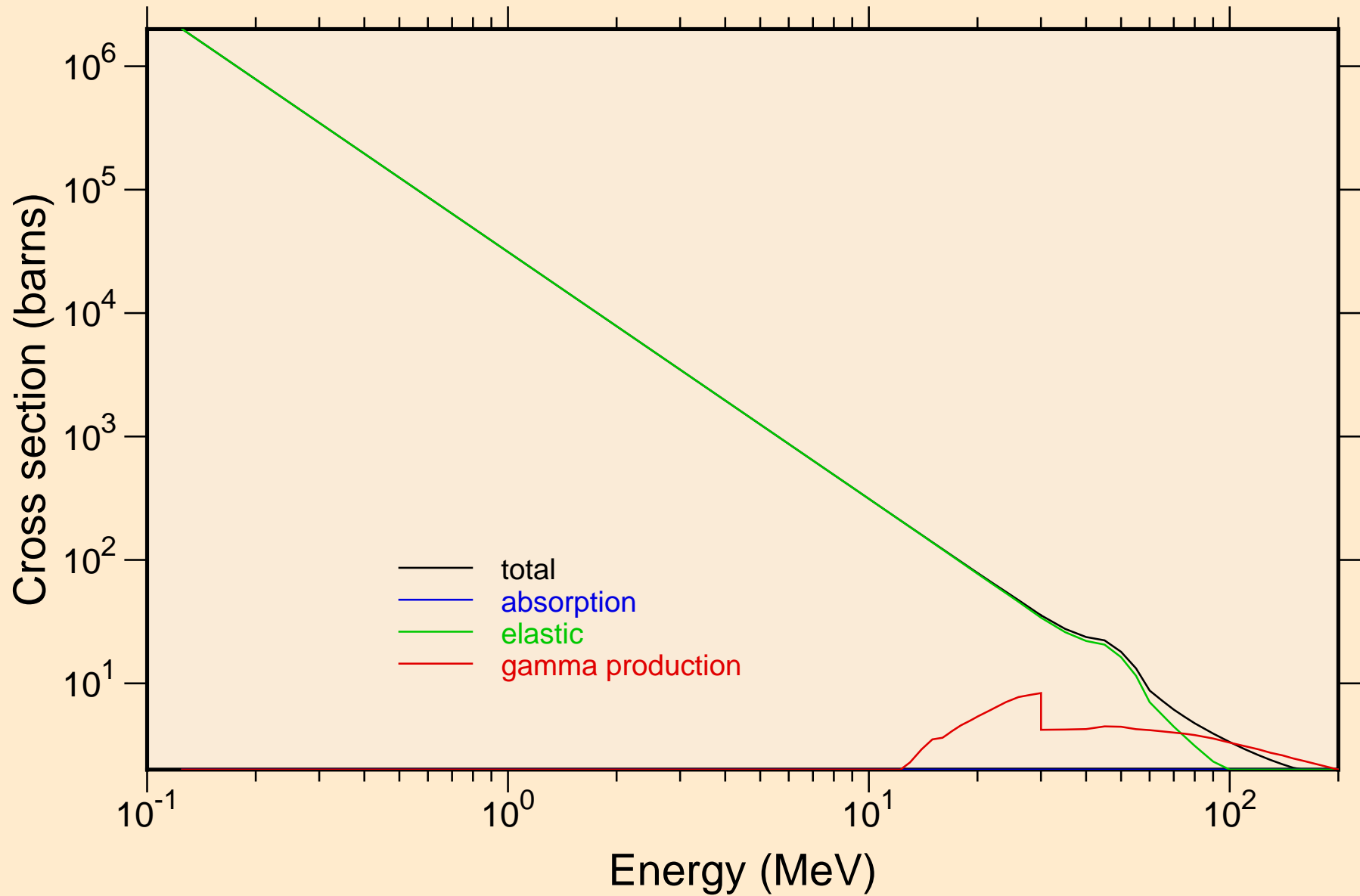


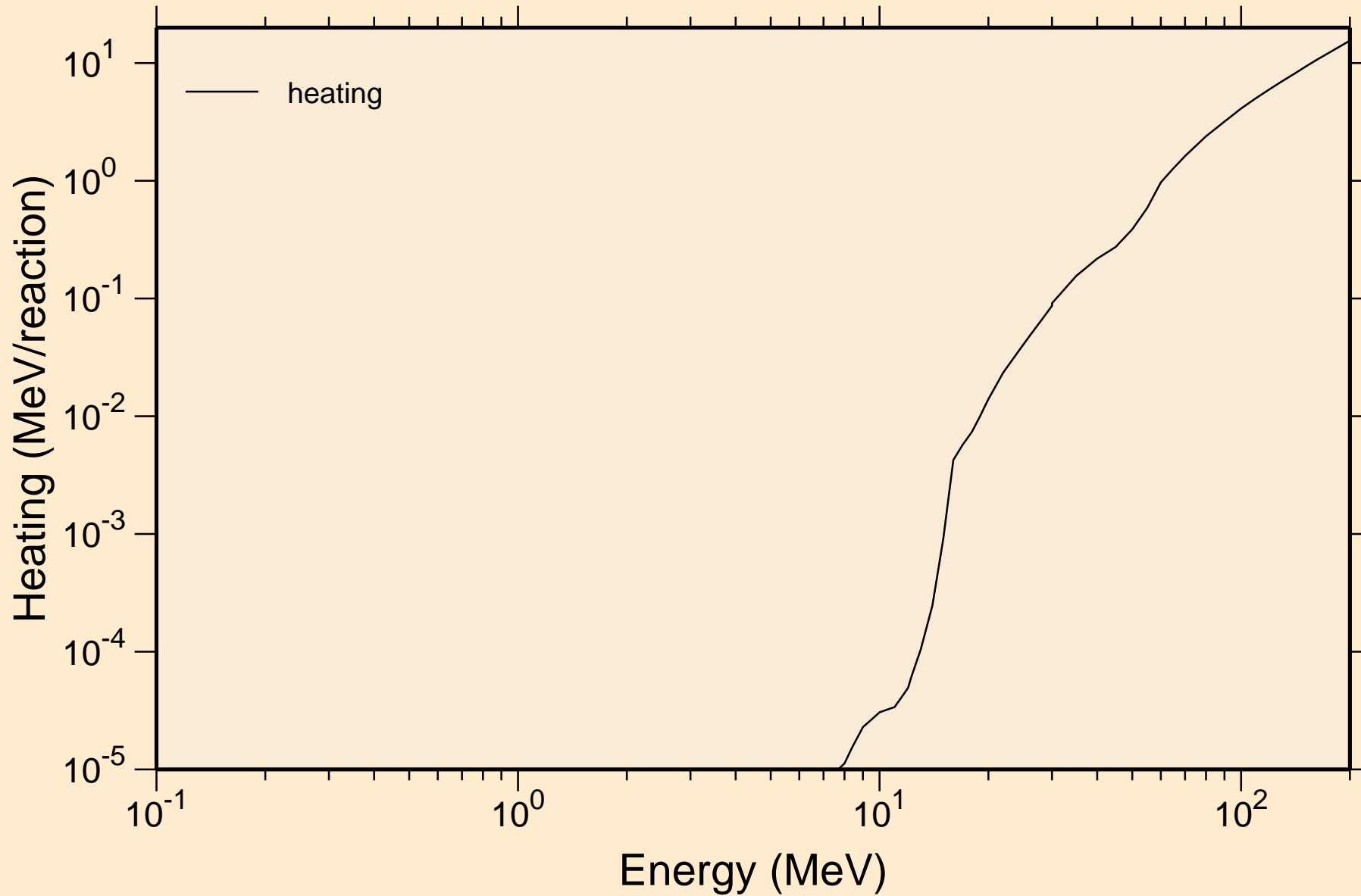
# LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



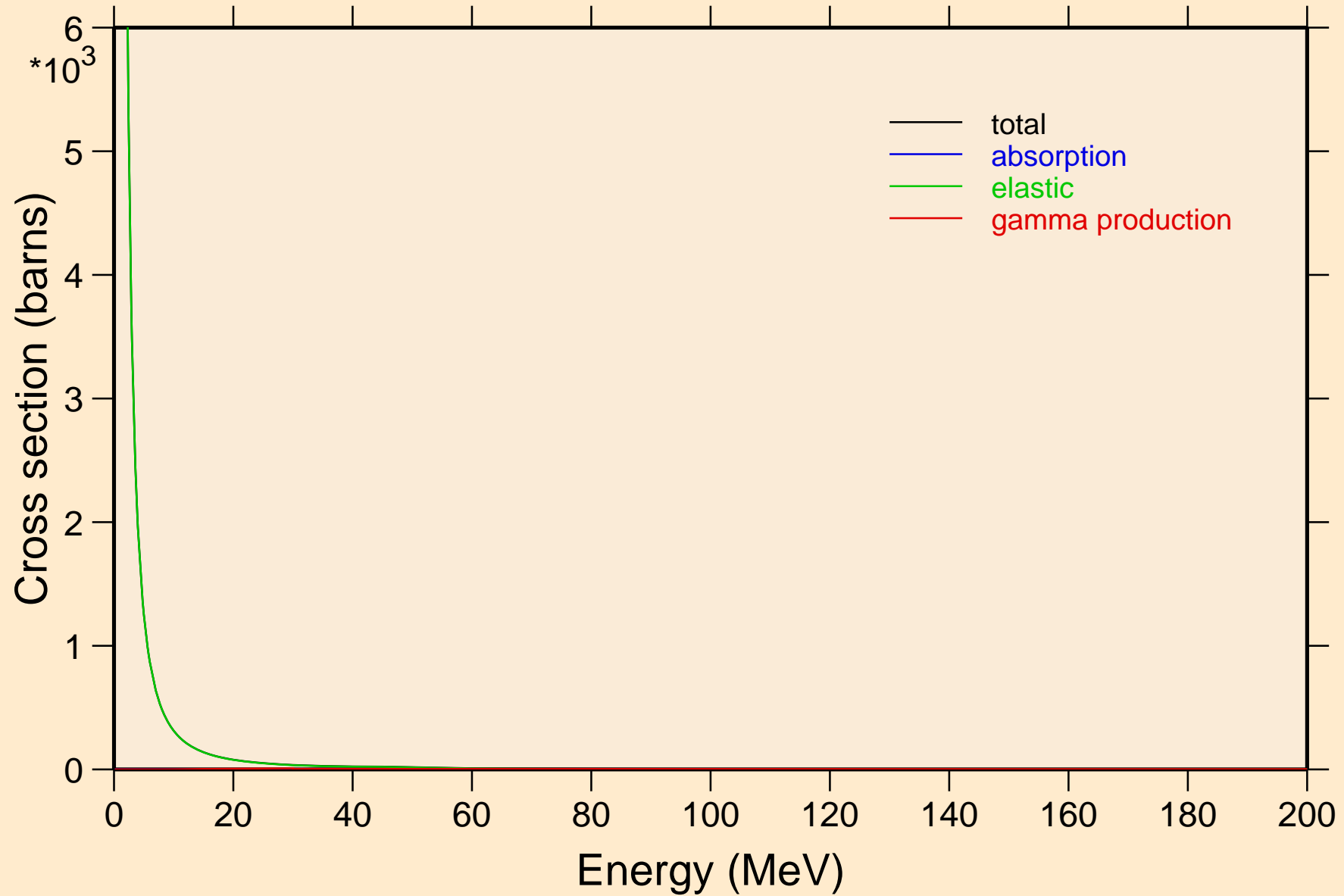
# LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



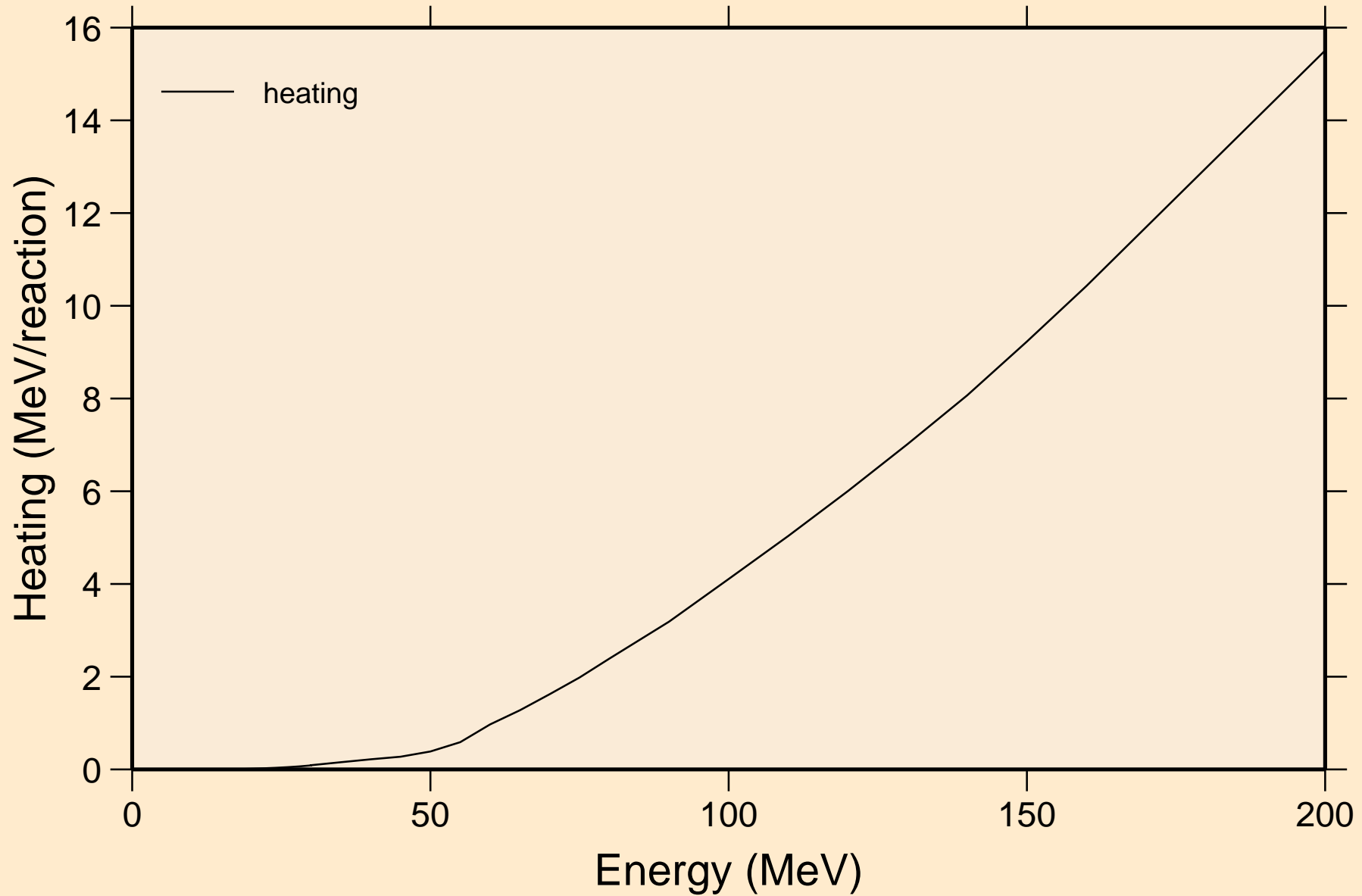
# LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



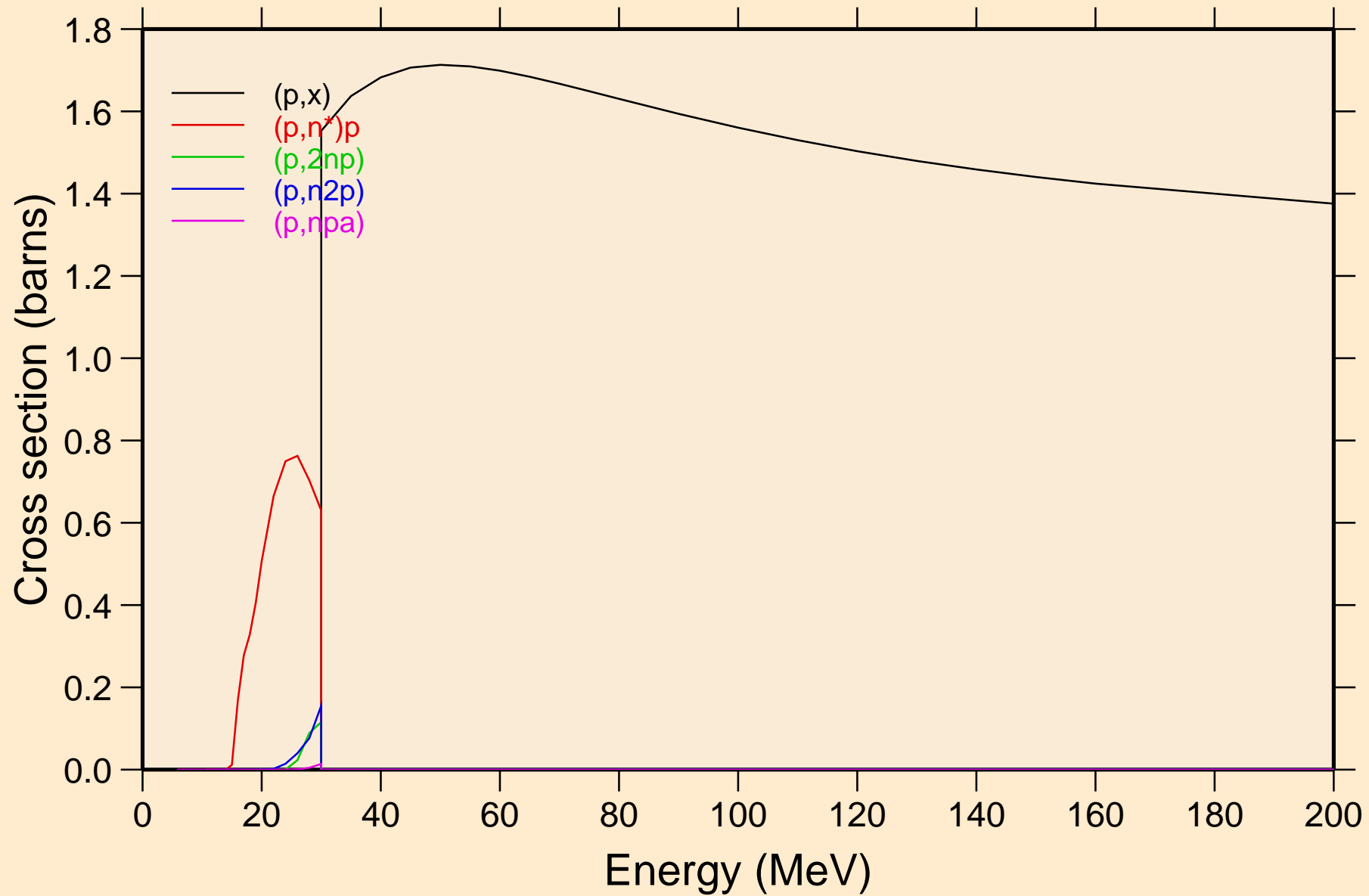
# LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

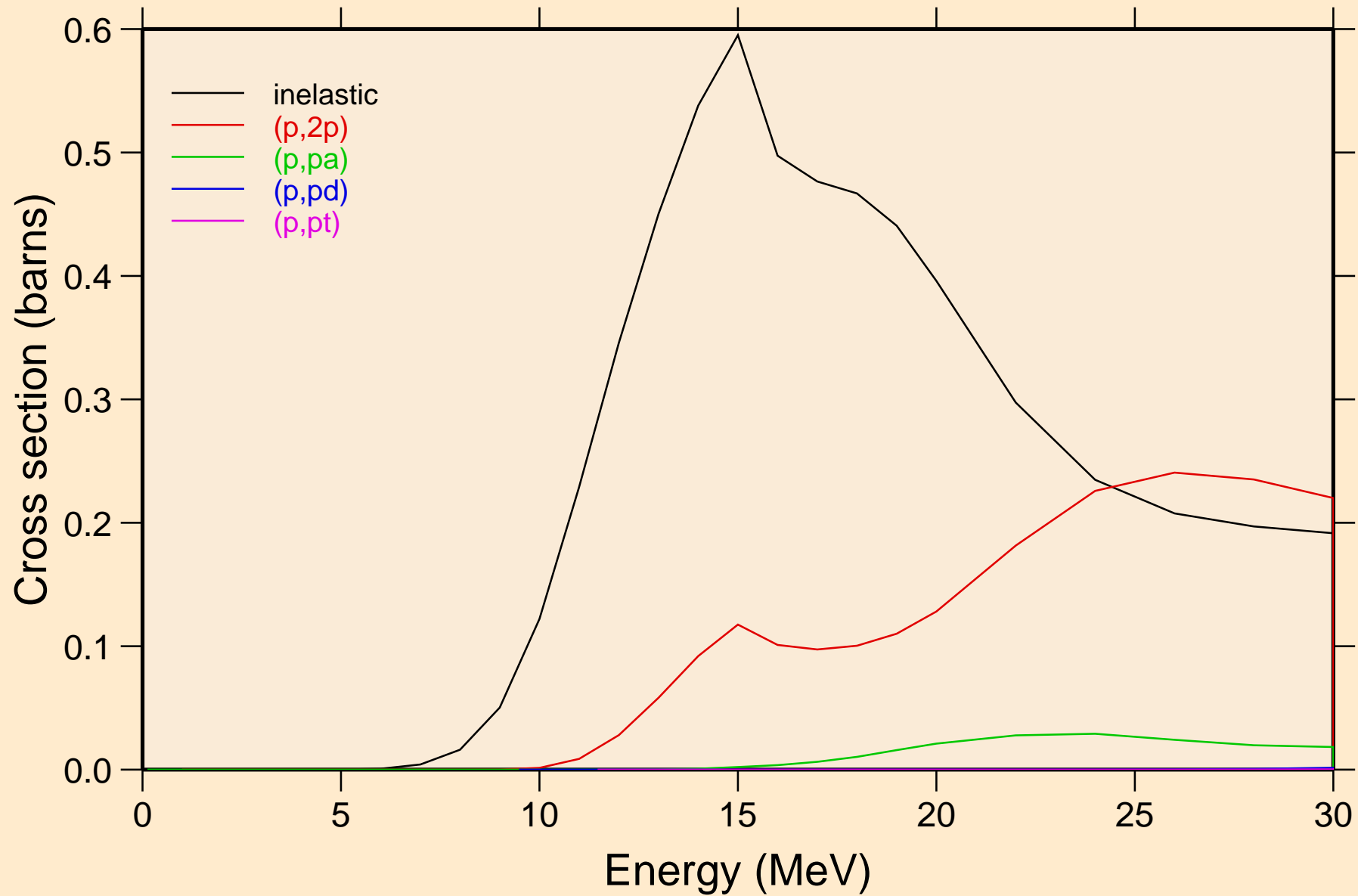


# LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K

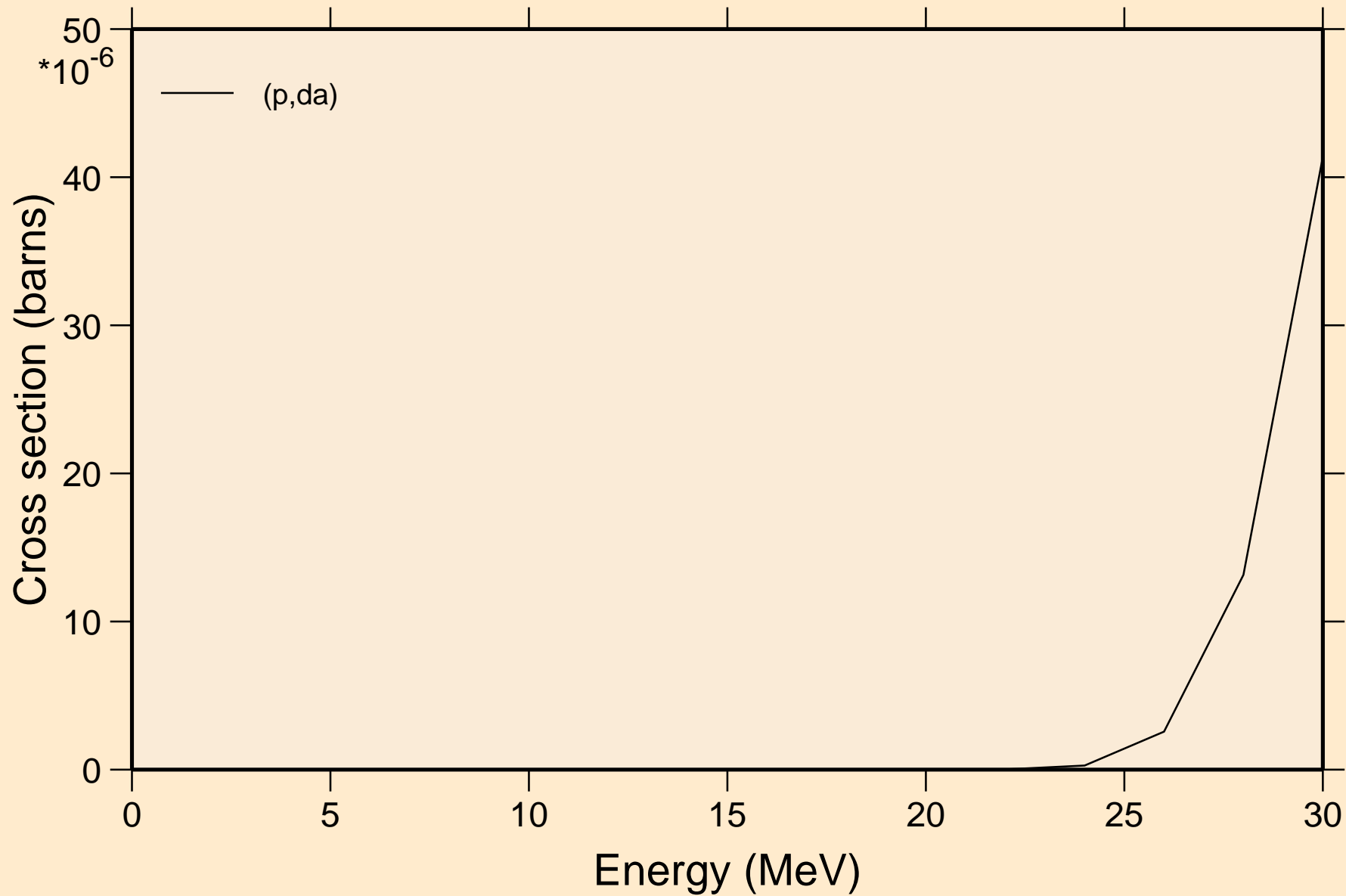
## Threshold reactions



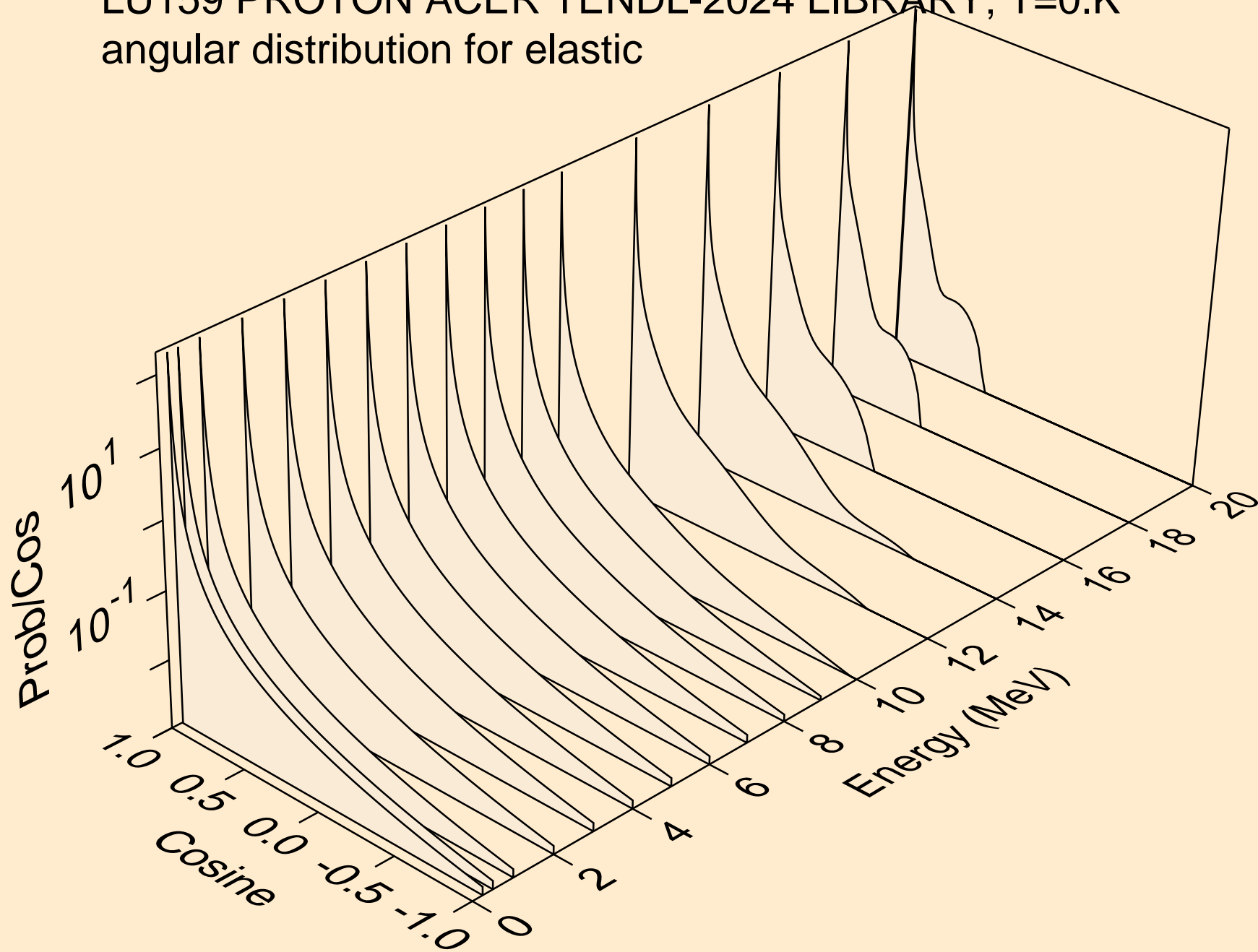
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

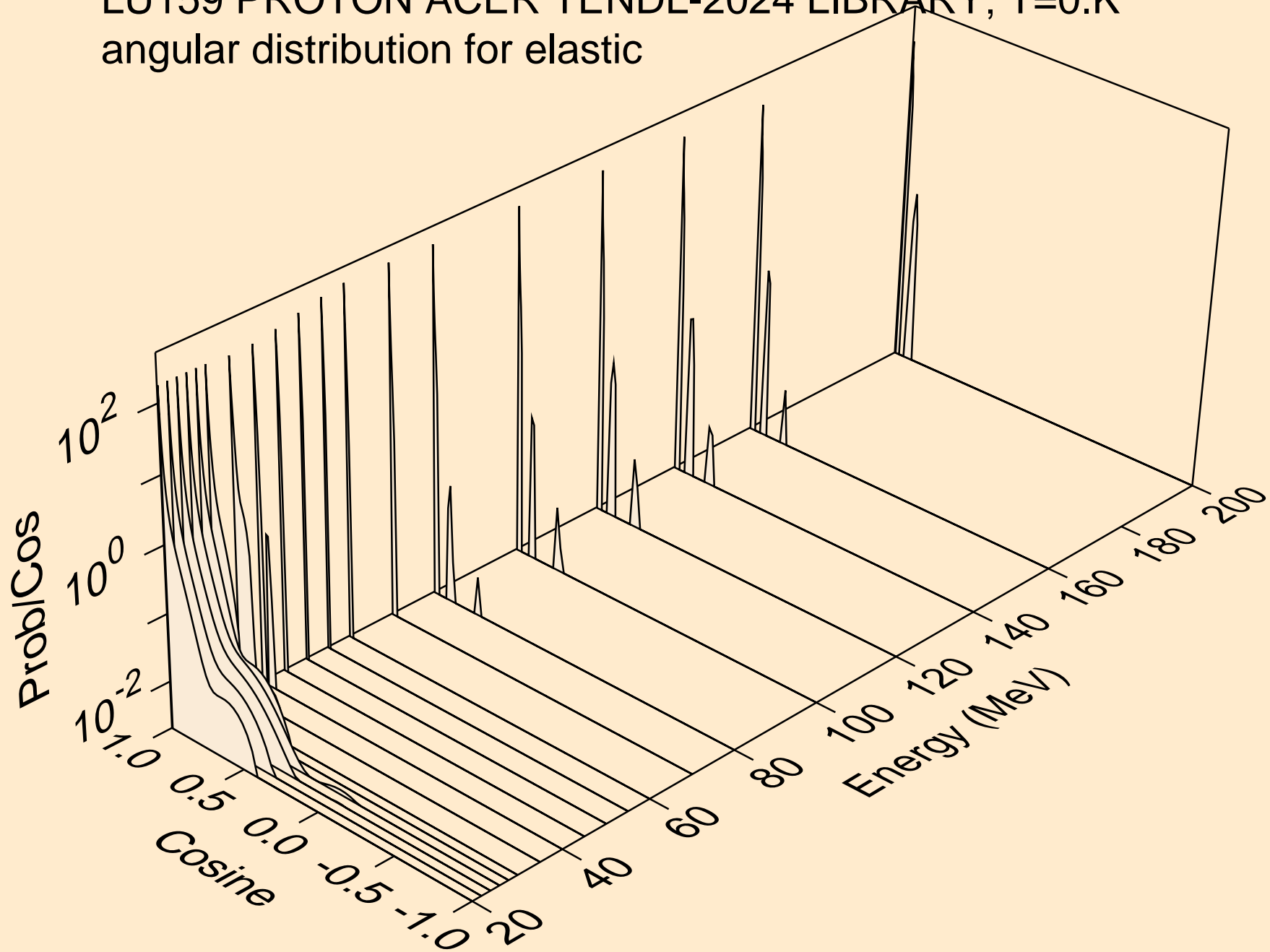


LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

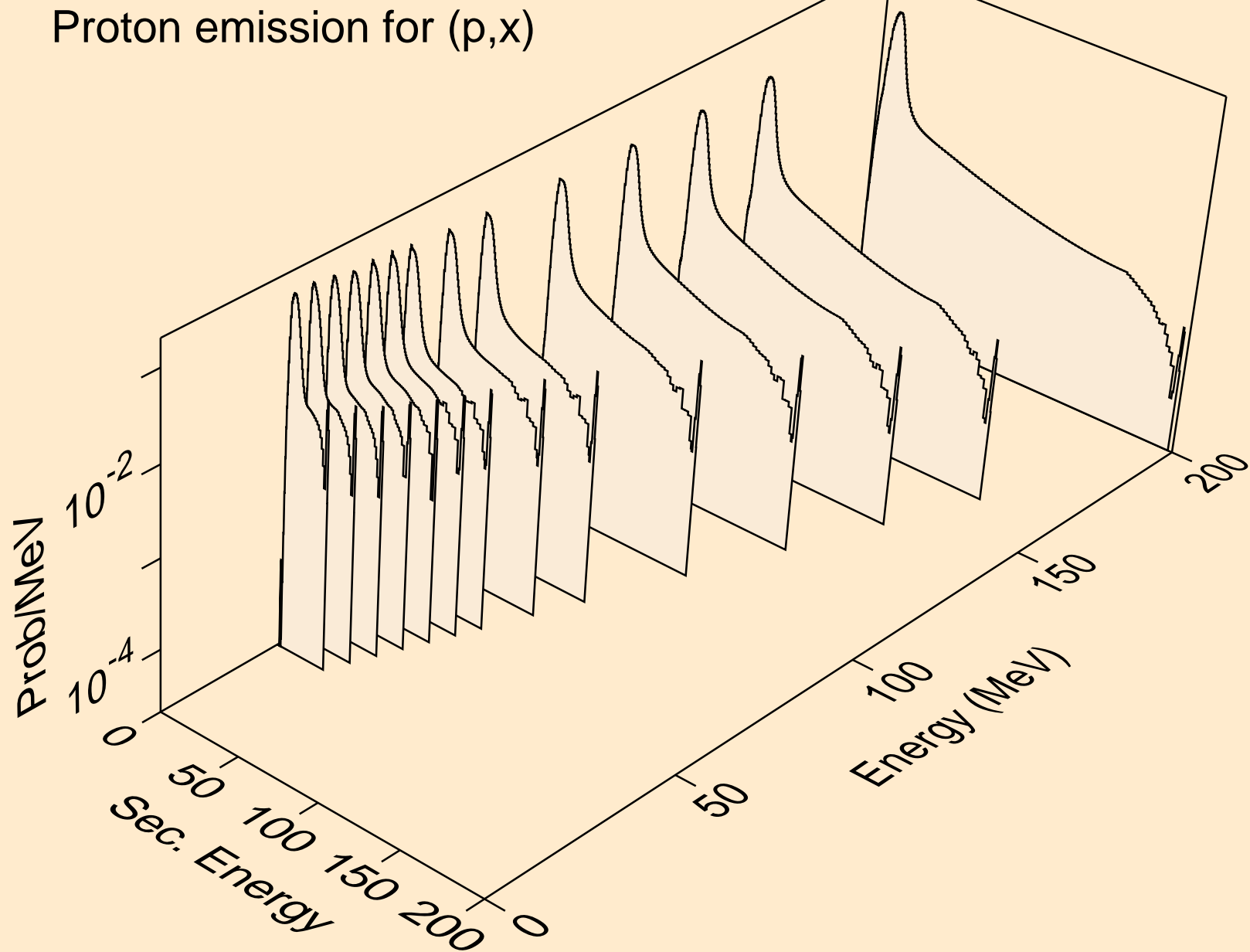




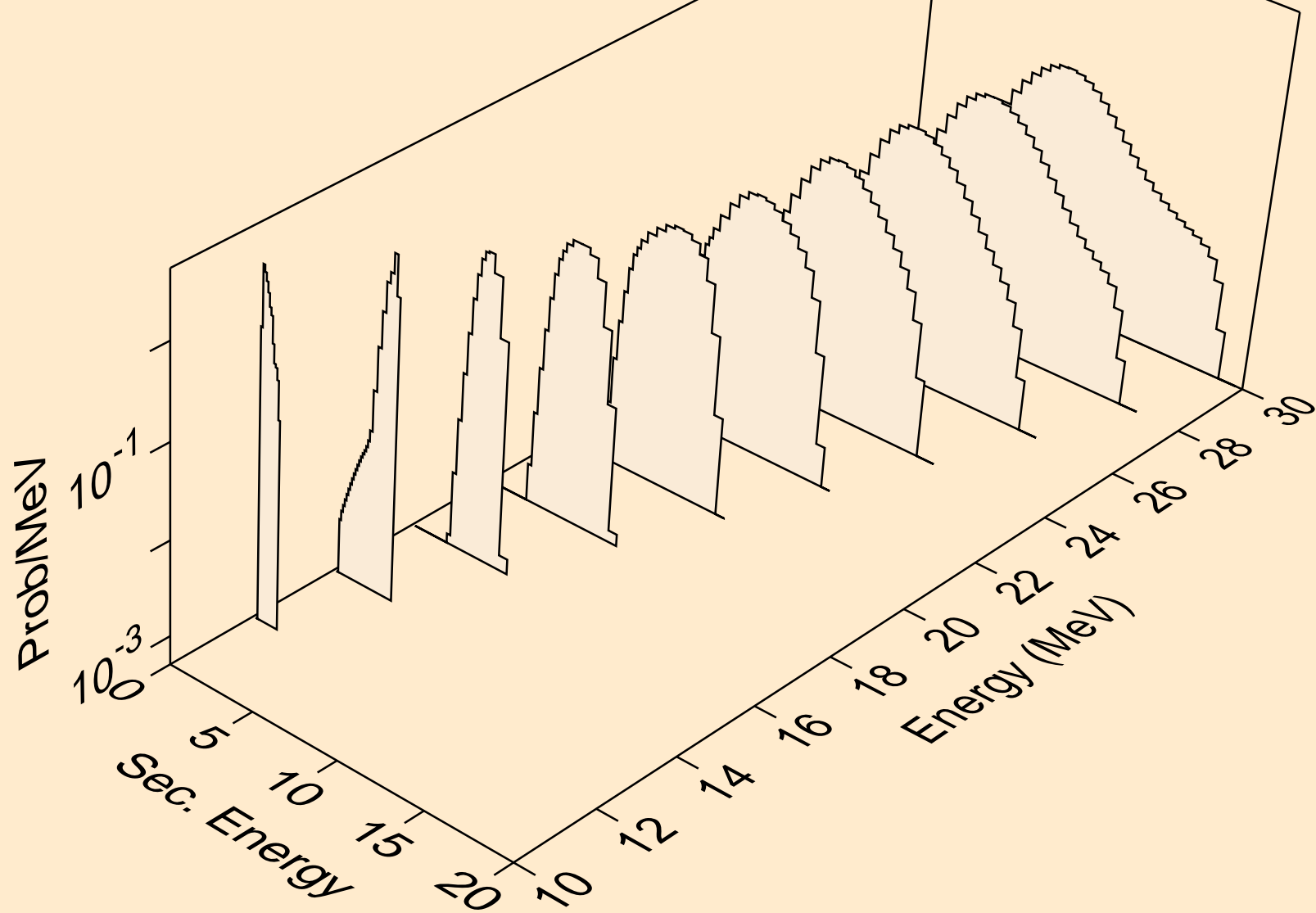
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



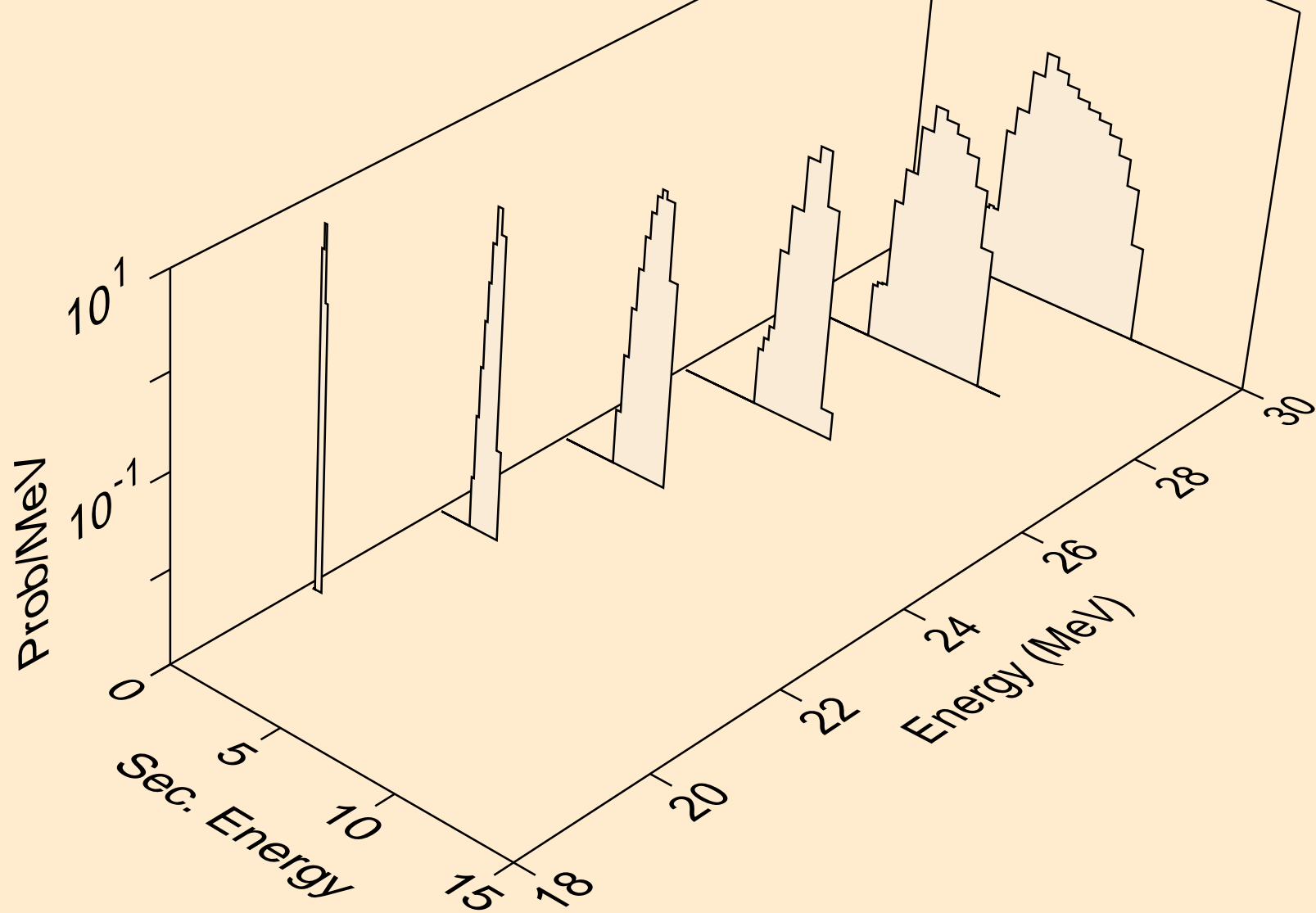
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,x)



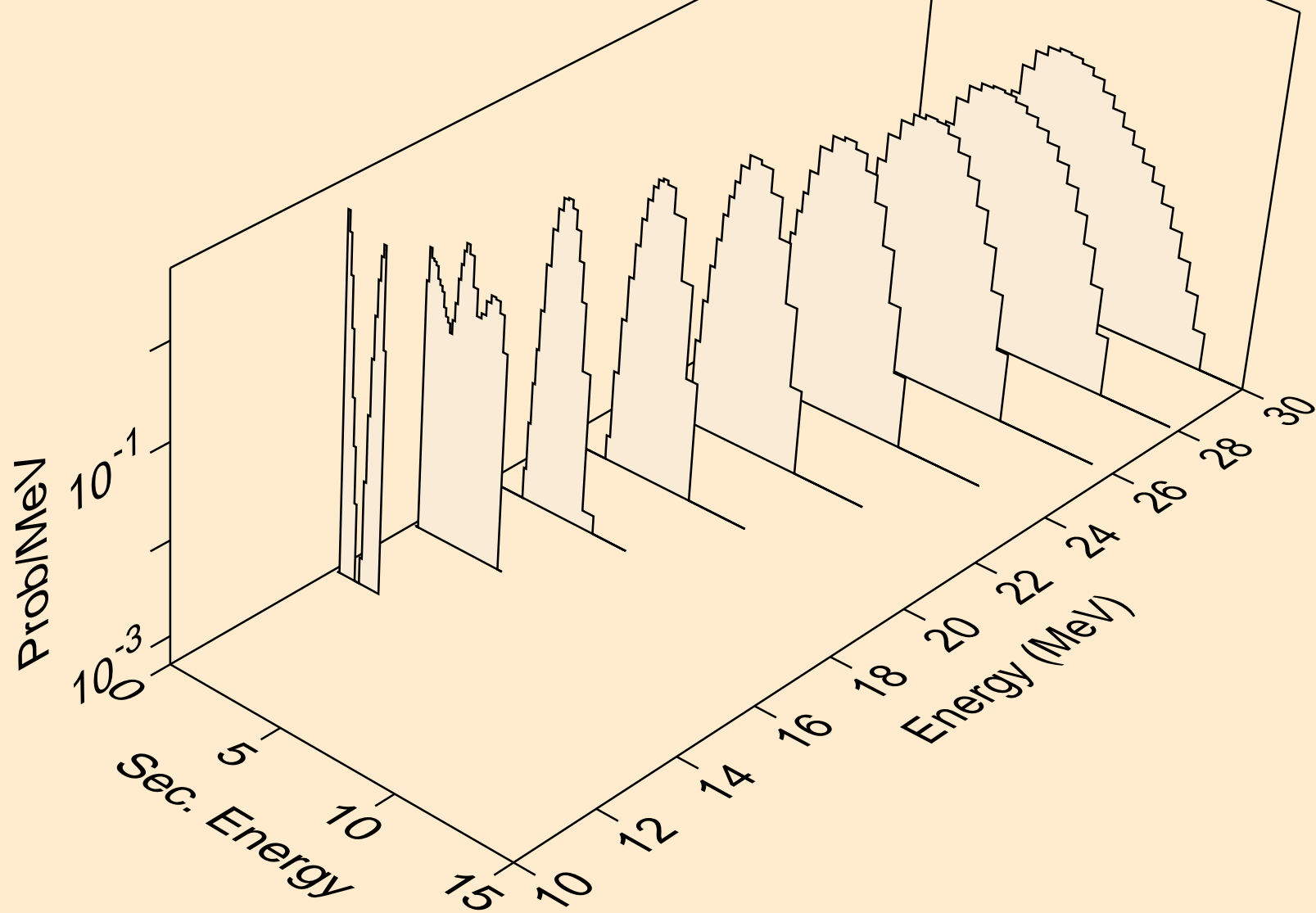
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



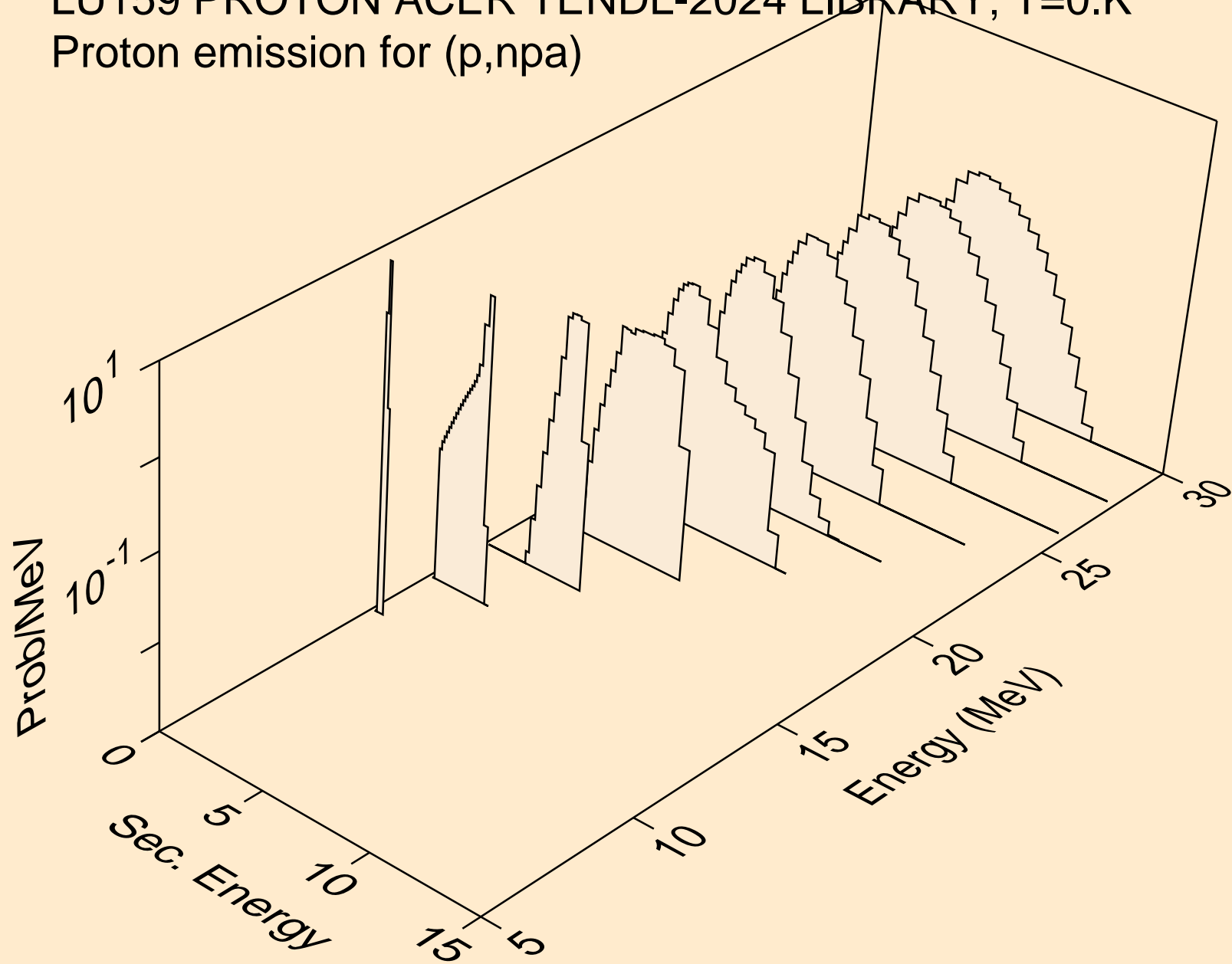
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,2np)



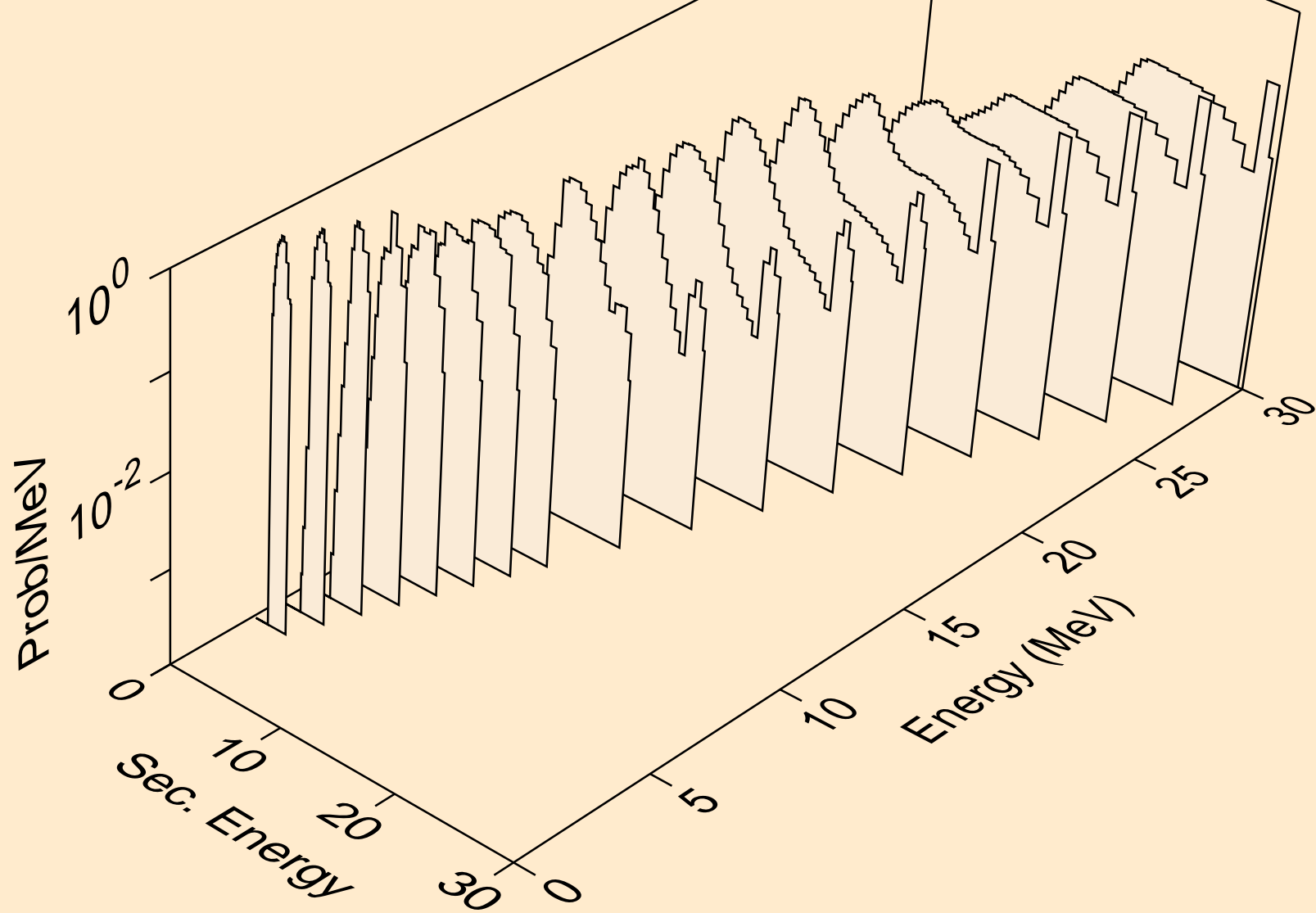
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,n2p)



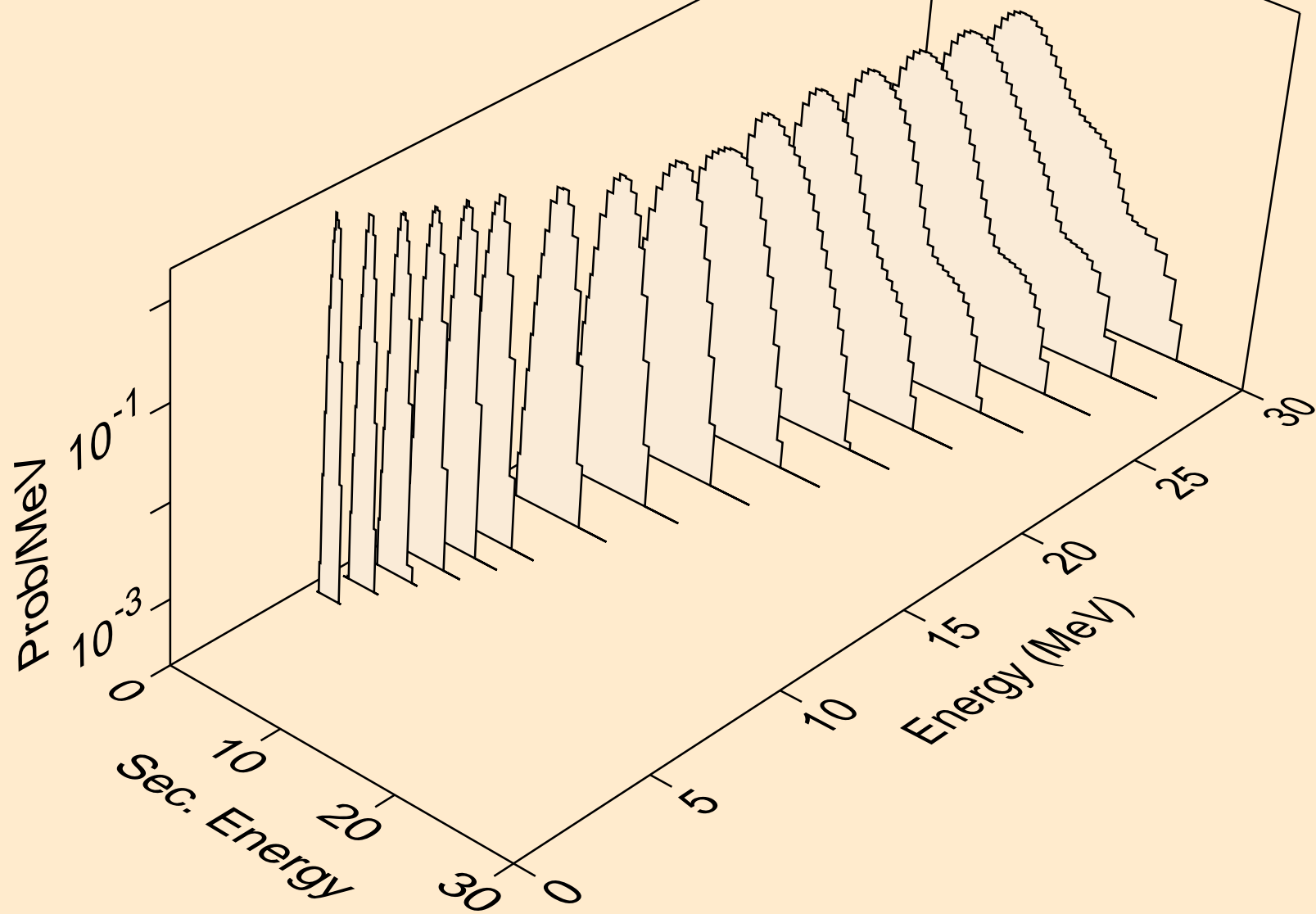
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,npa)



LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for inelastic

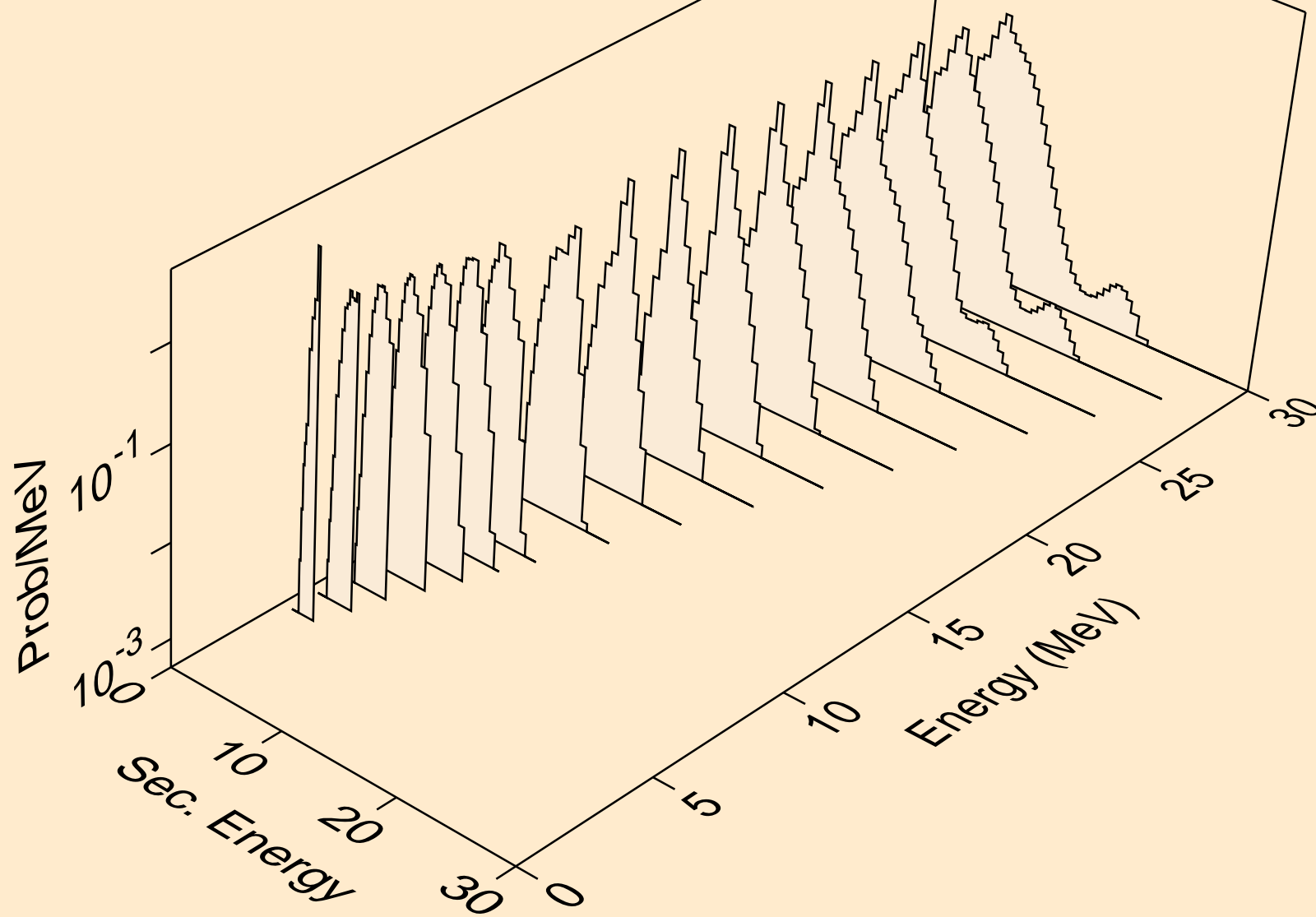


LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,2p)

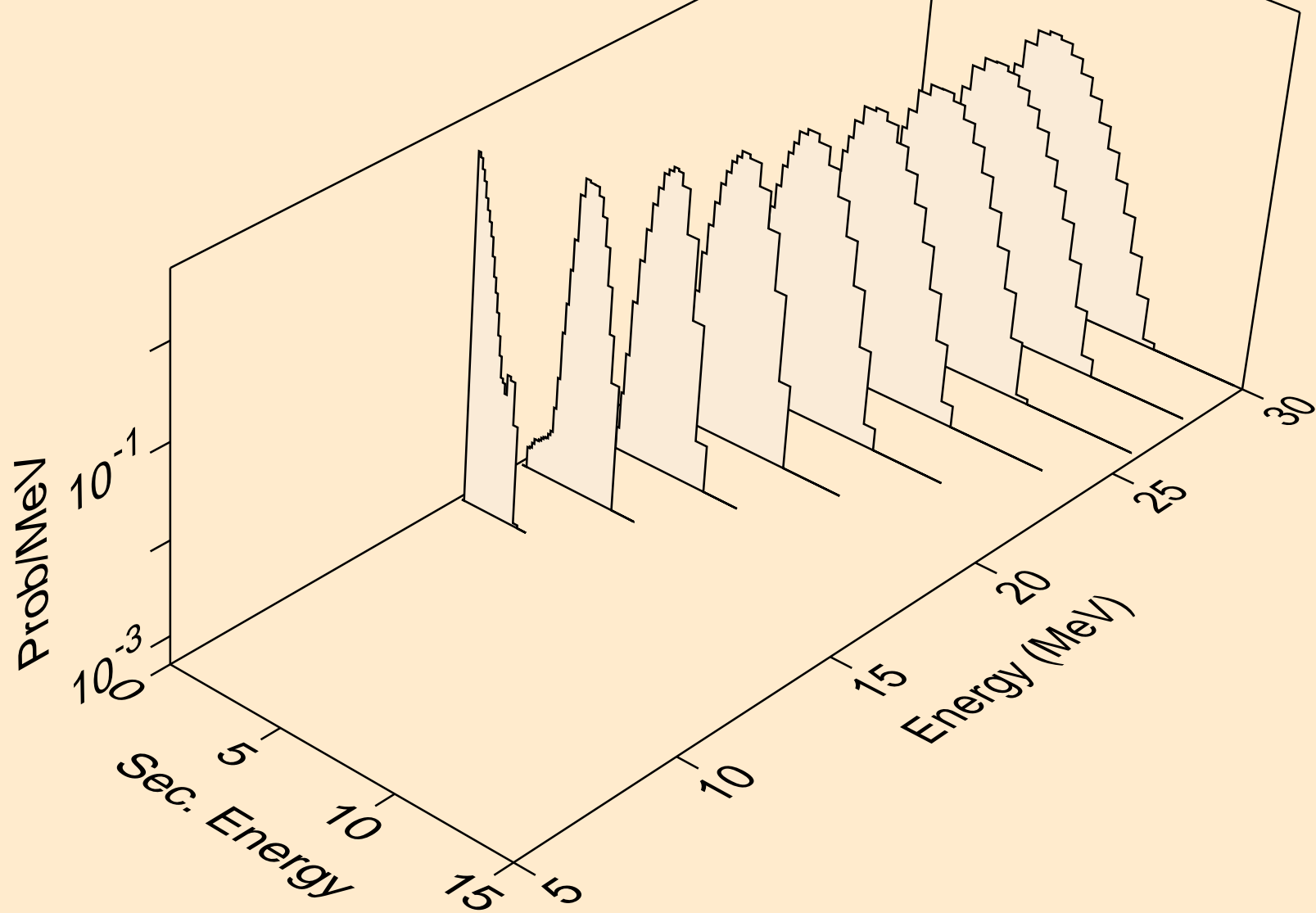




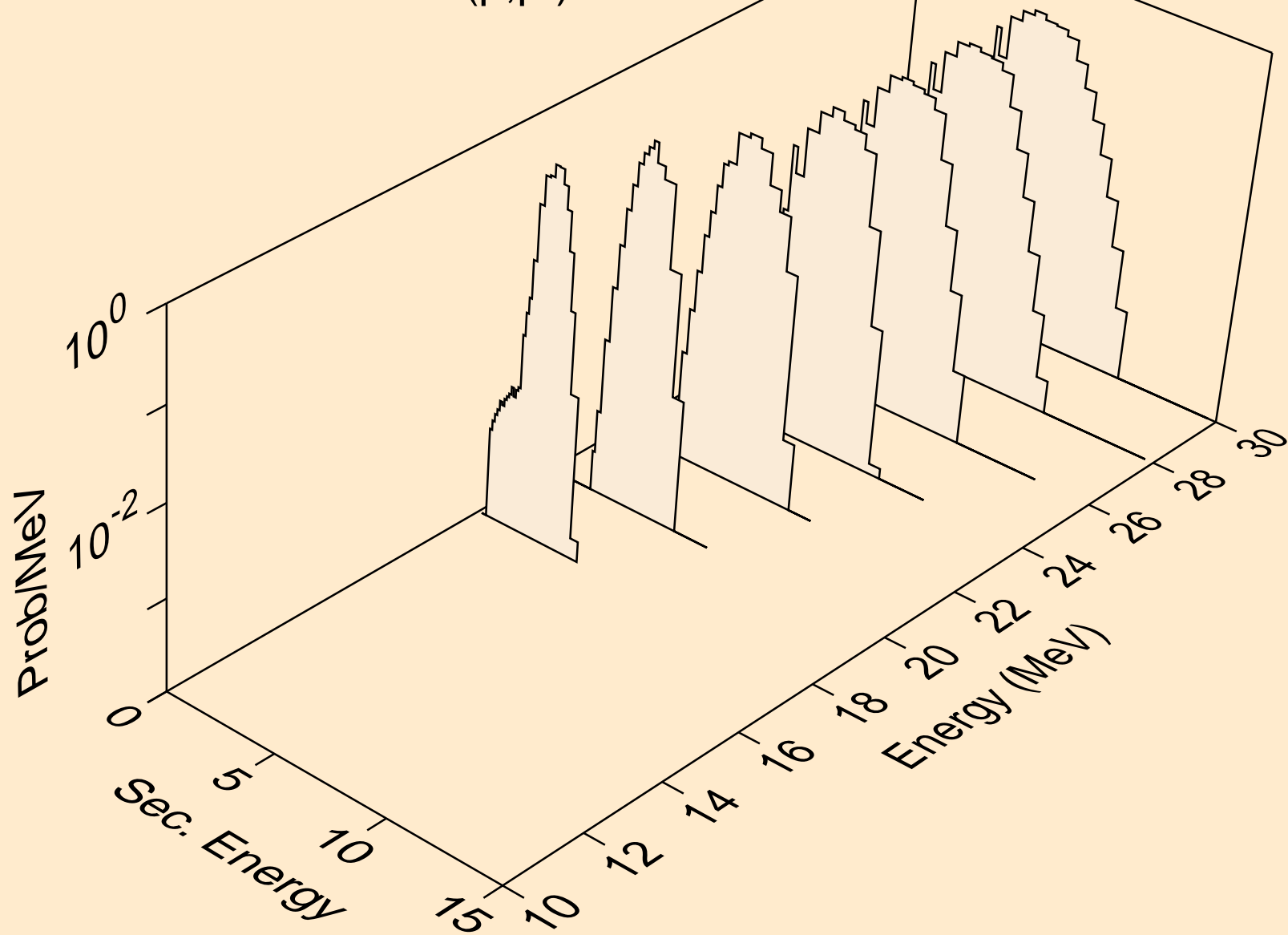
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,pa)



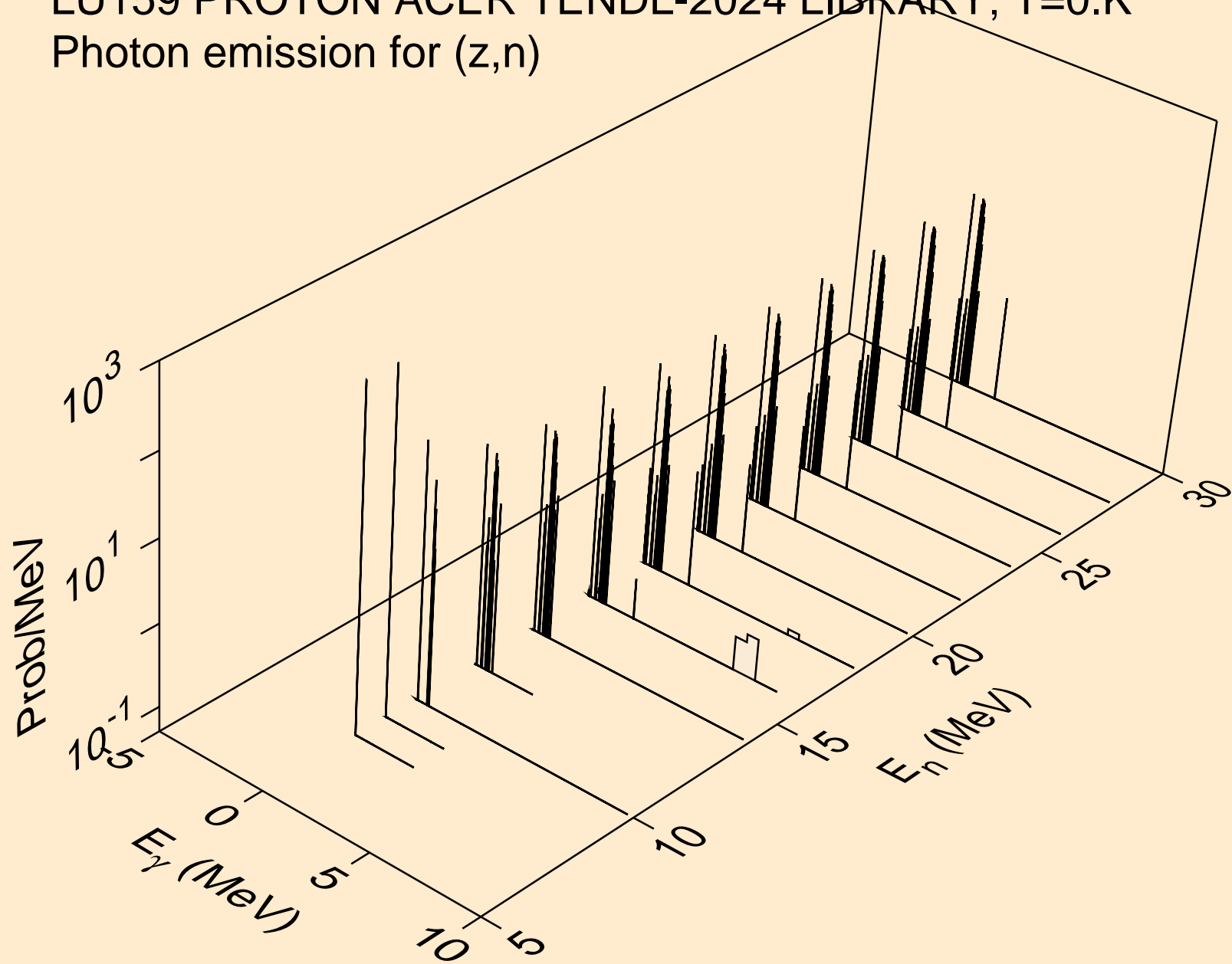
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,pd)



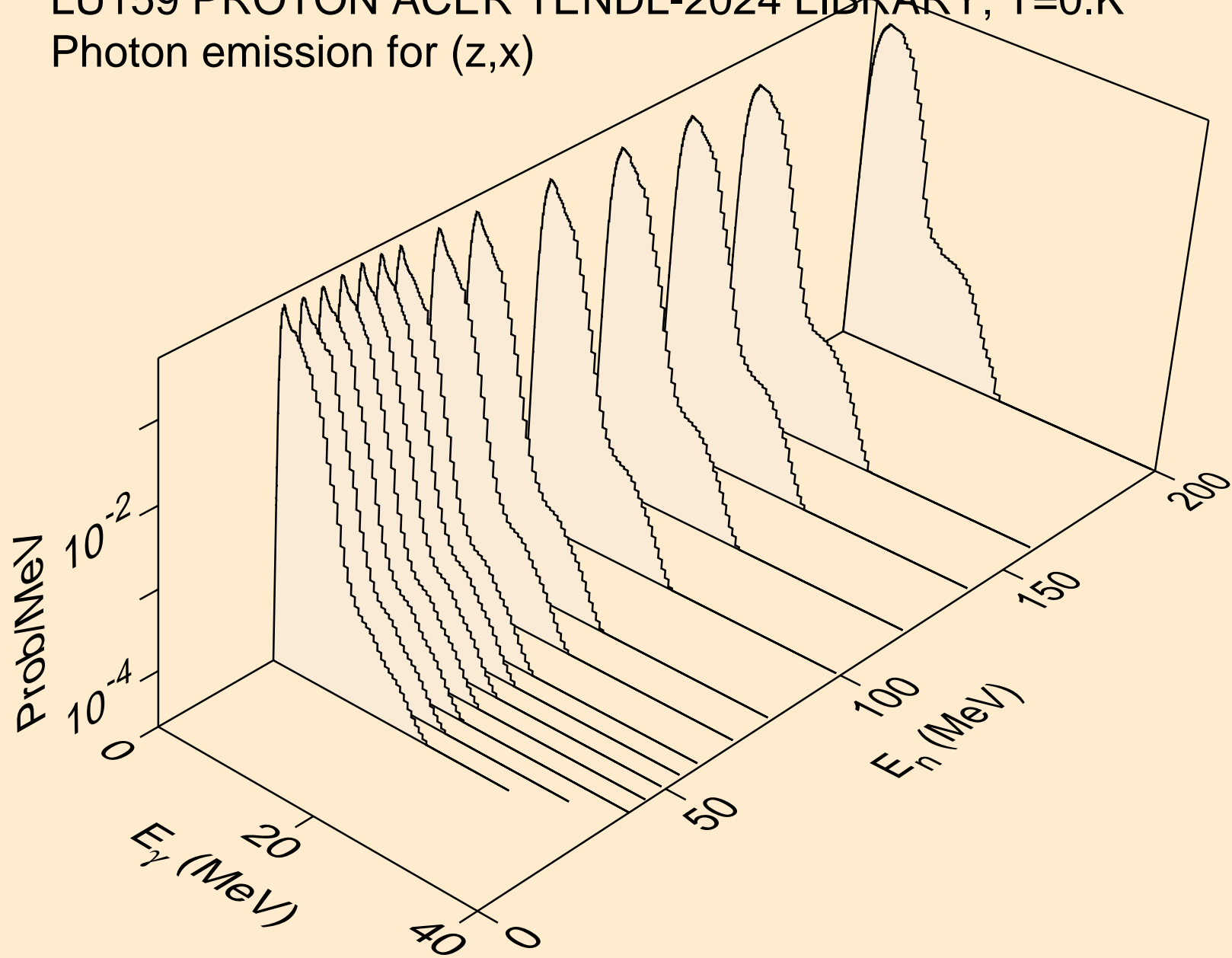
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,pt)



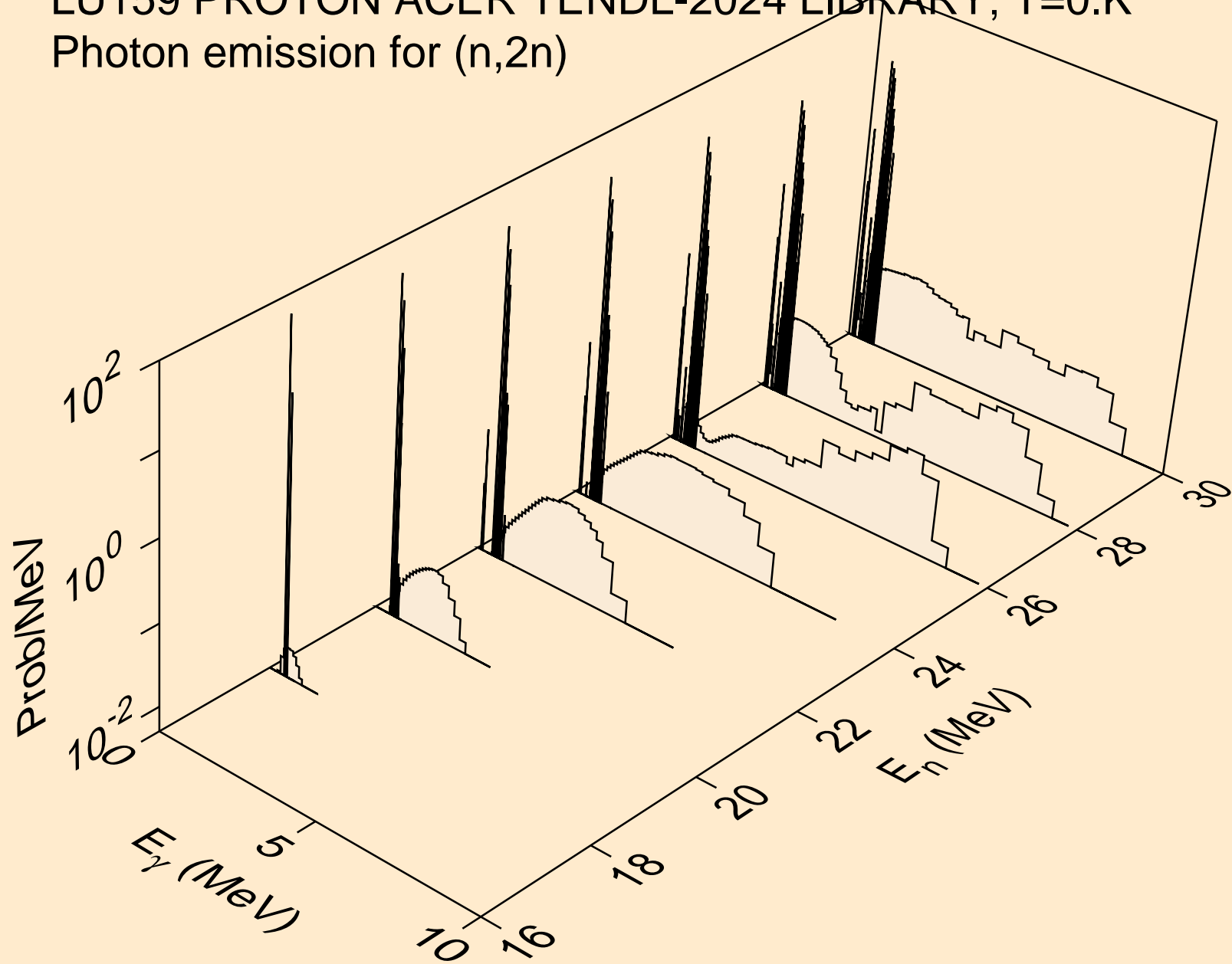
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,n)



LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,x)

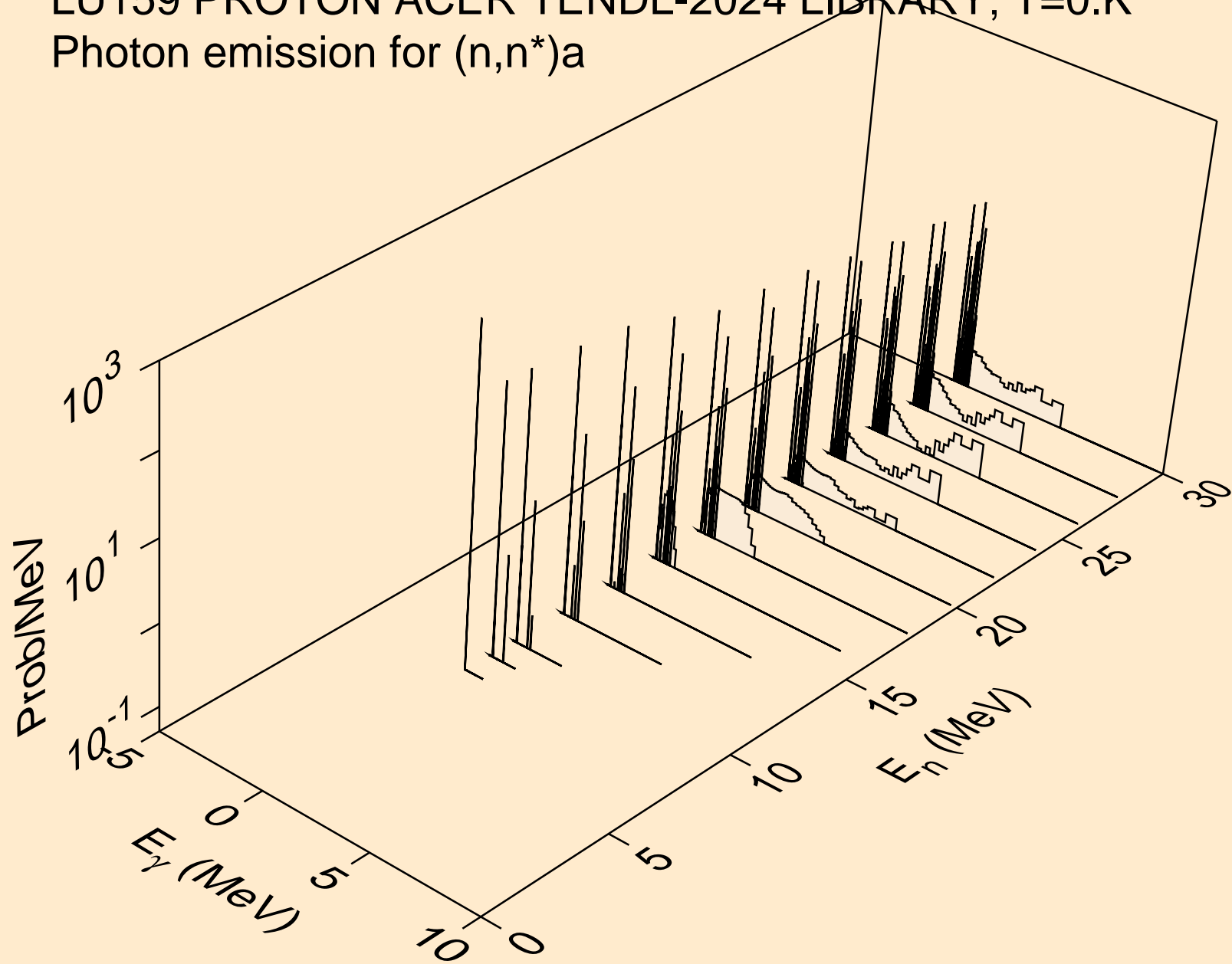


LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



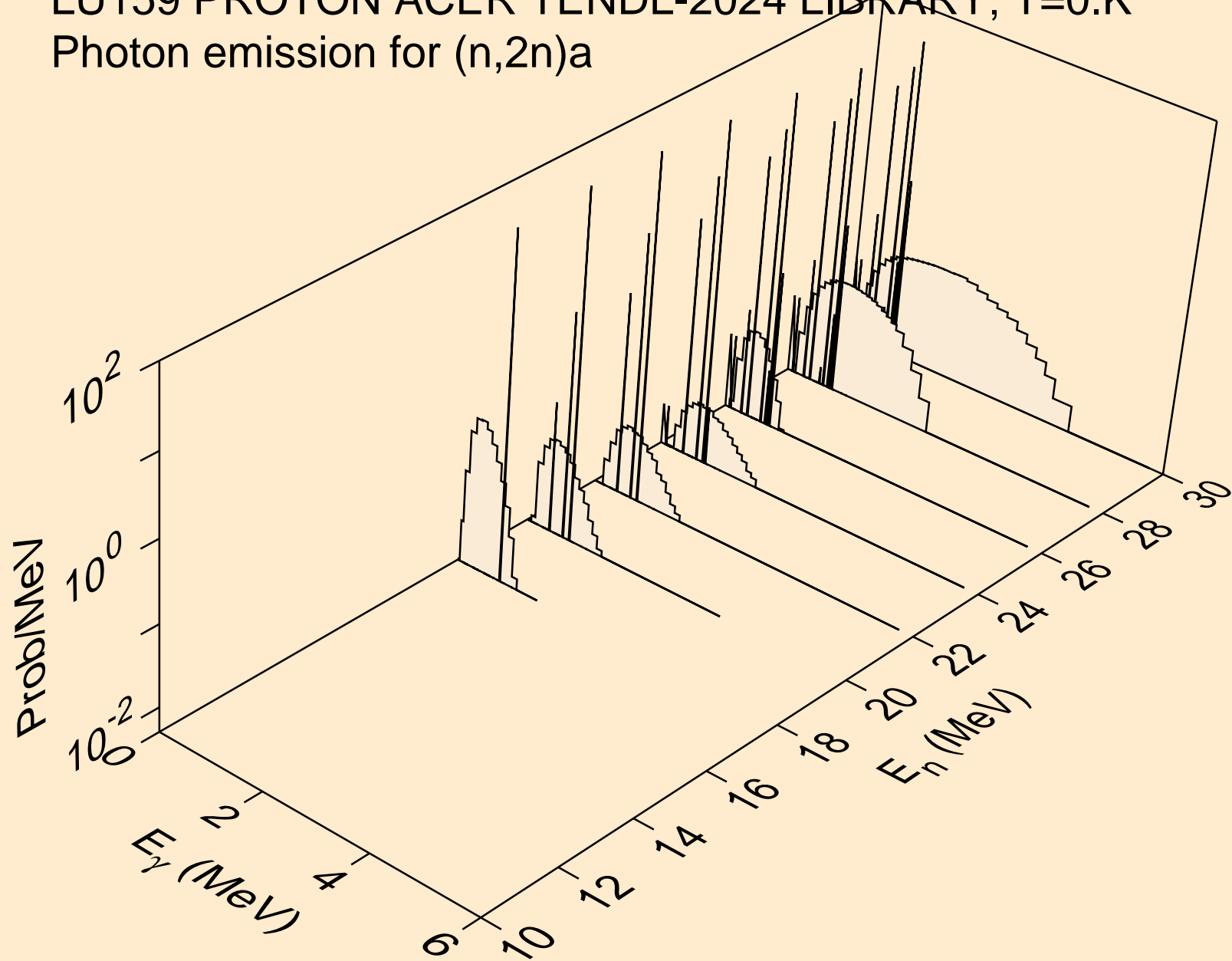


LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

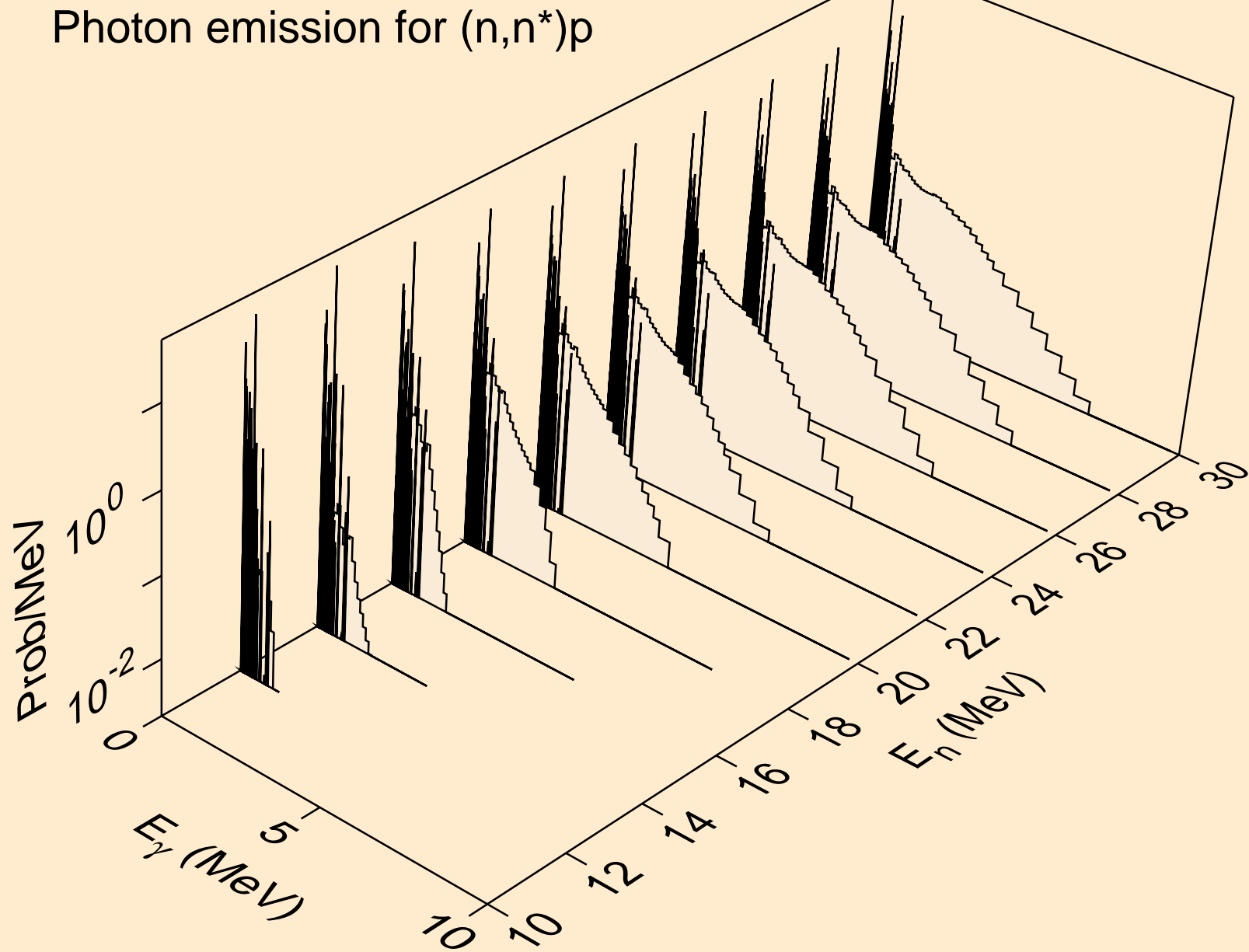




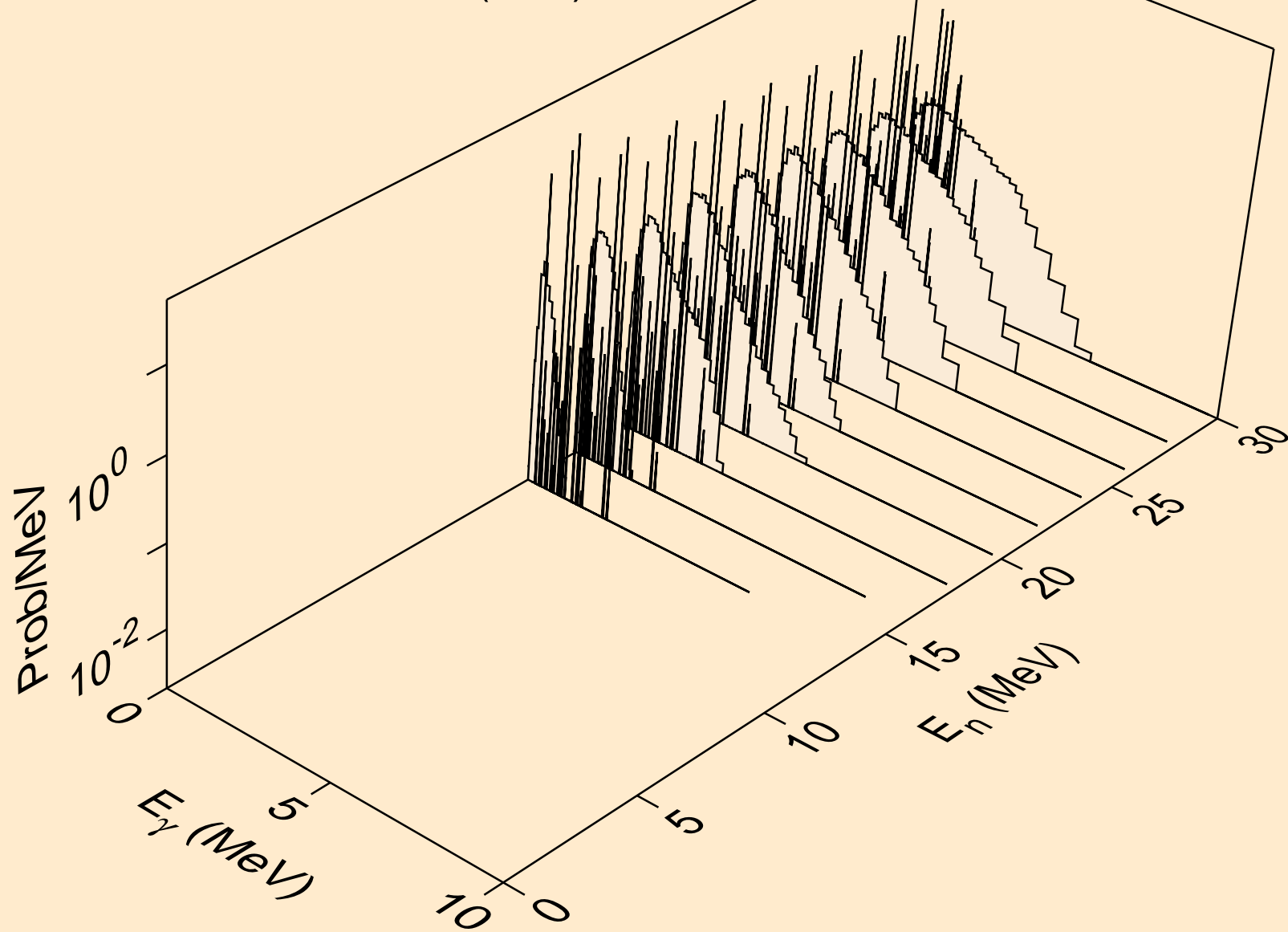
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



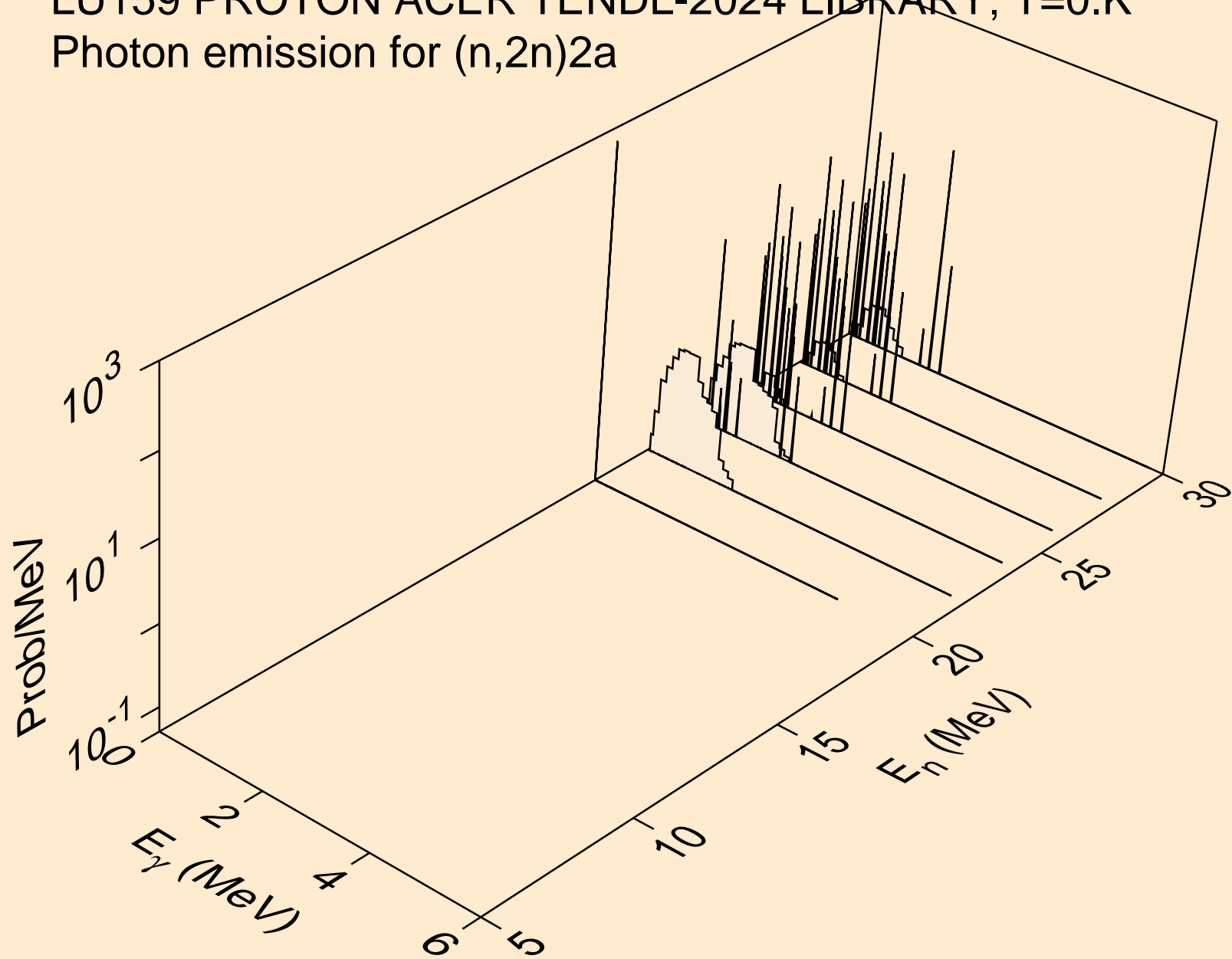
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



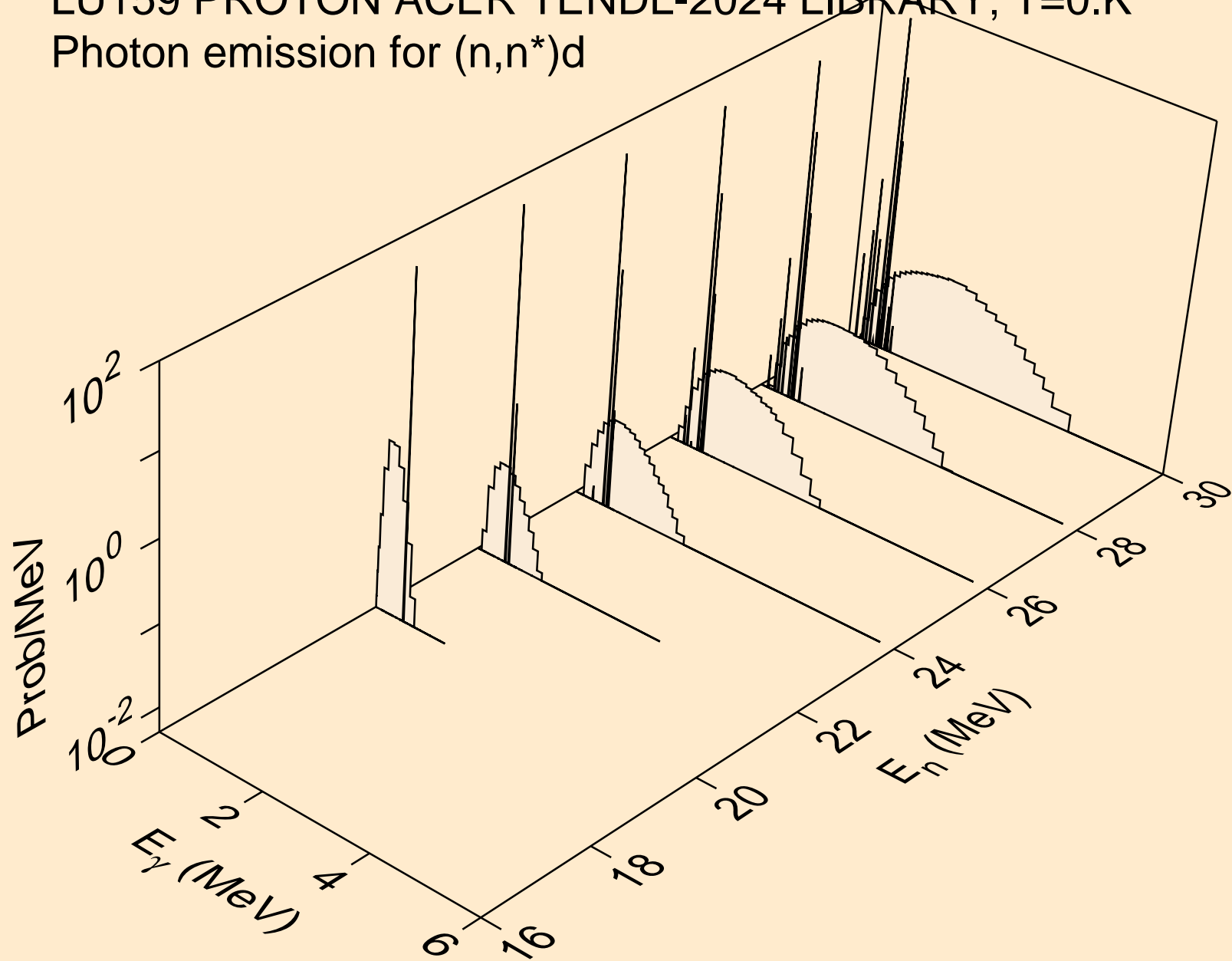
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



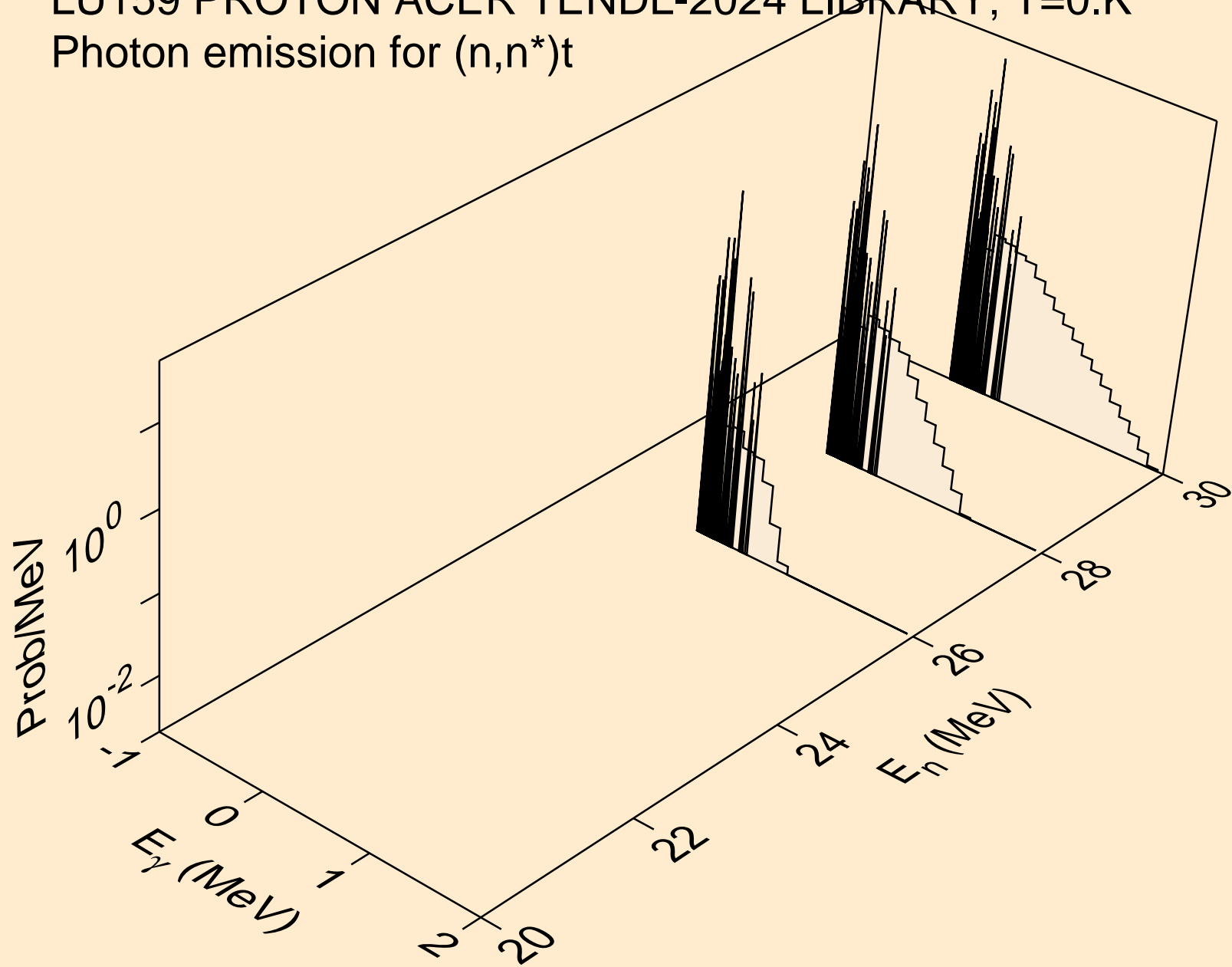
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



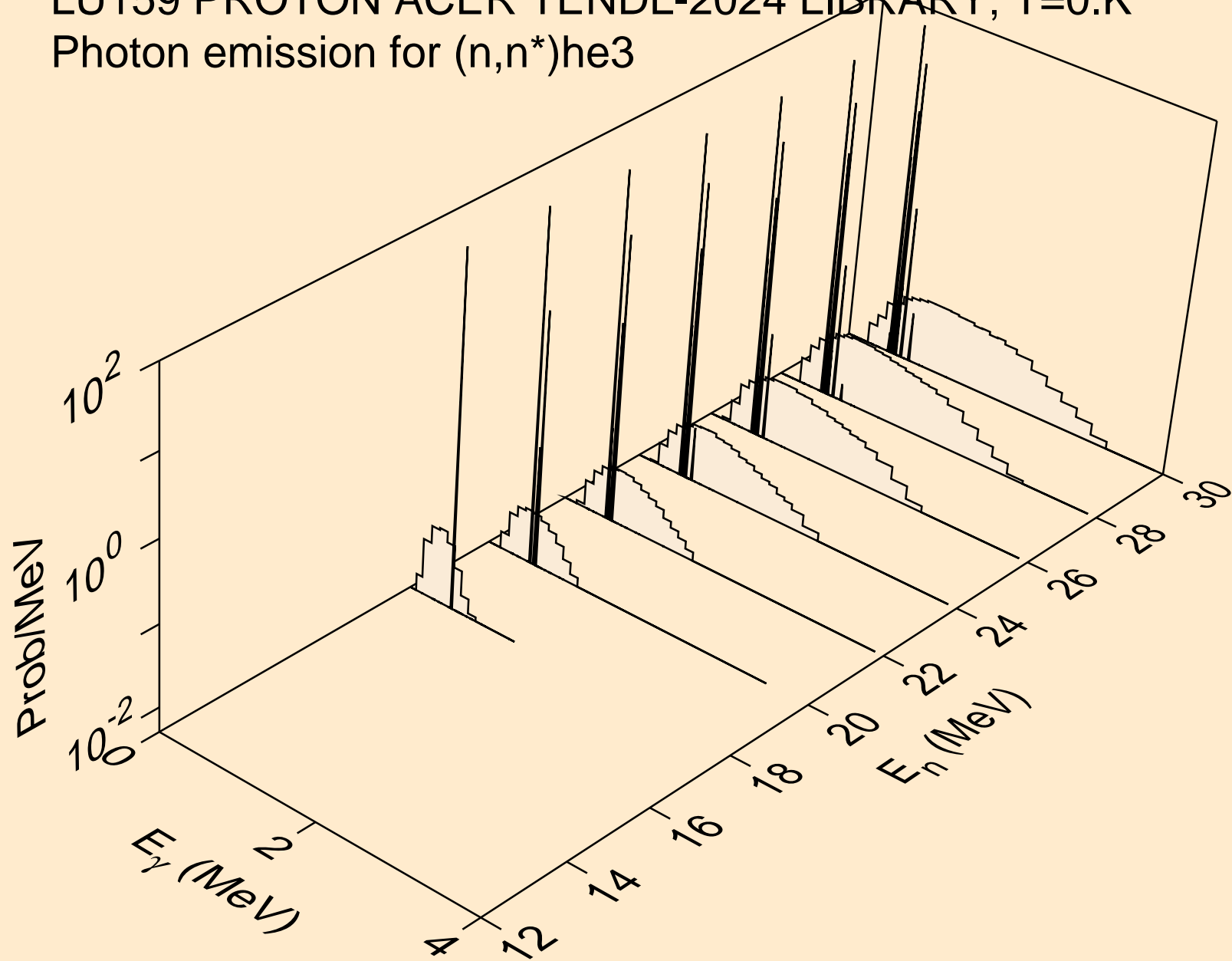
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



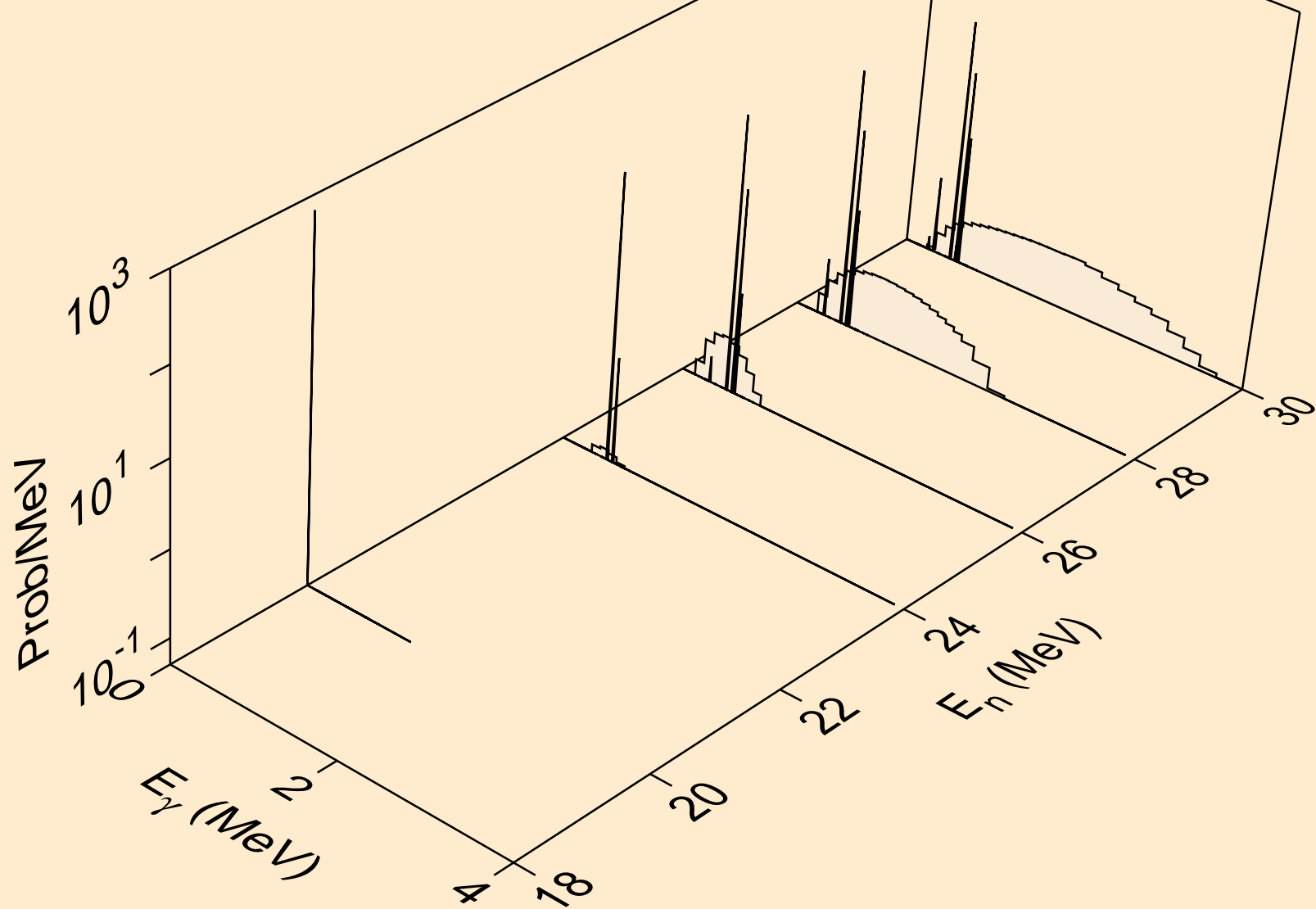
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

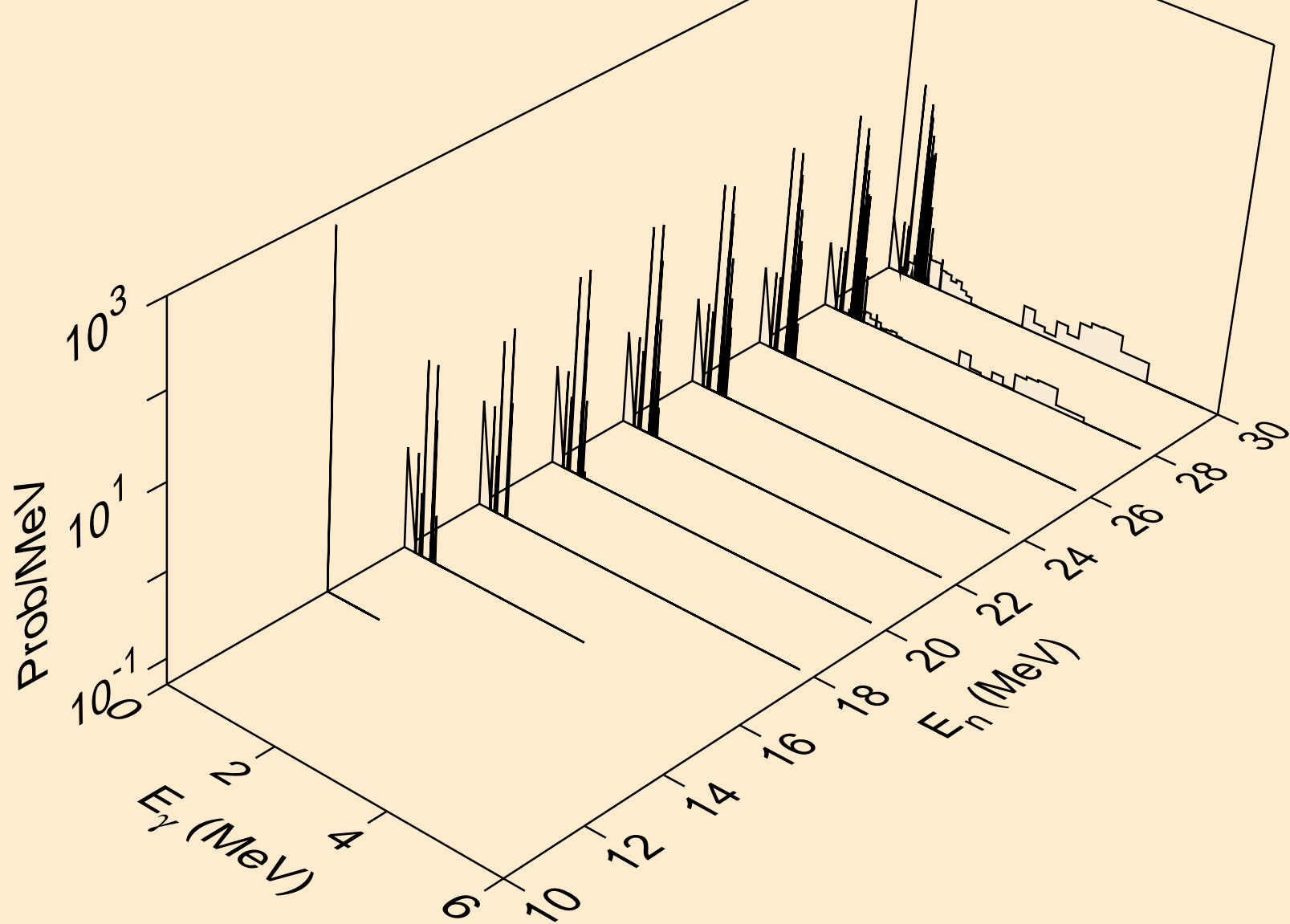


LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)

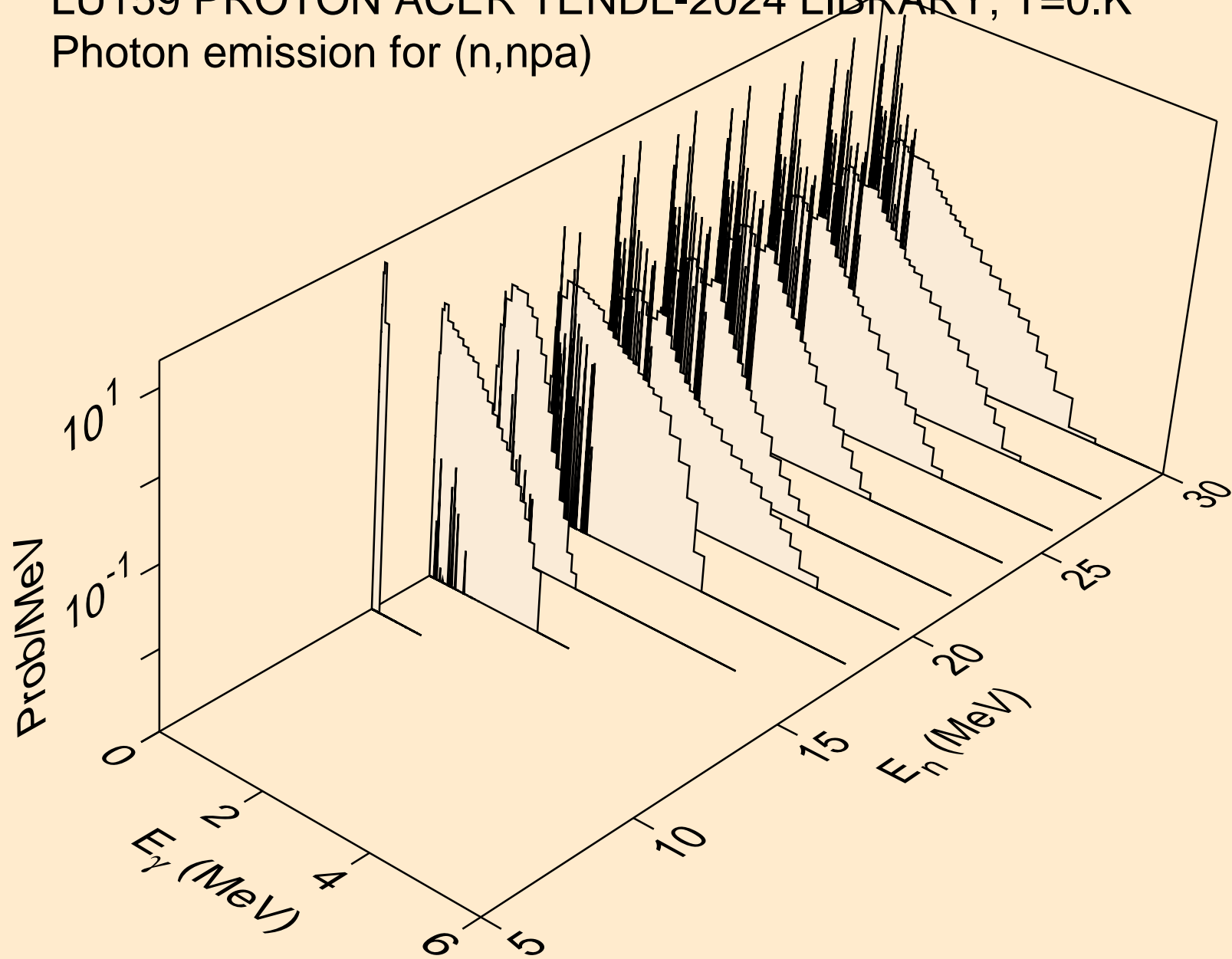




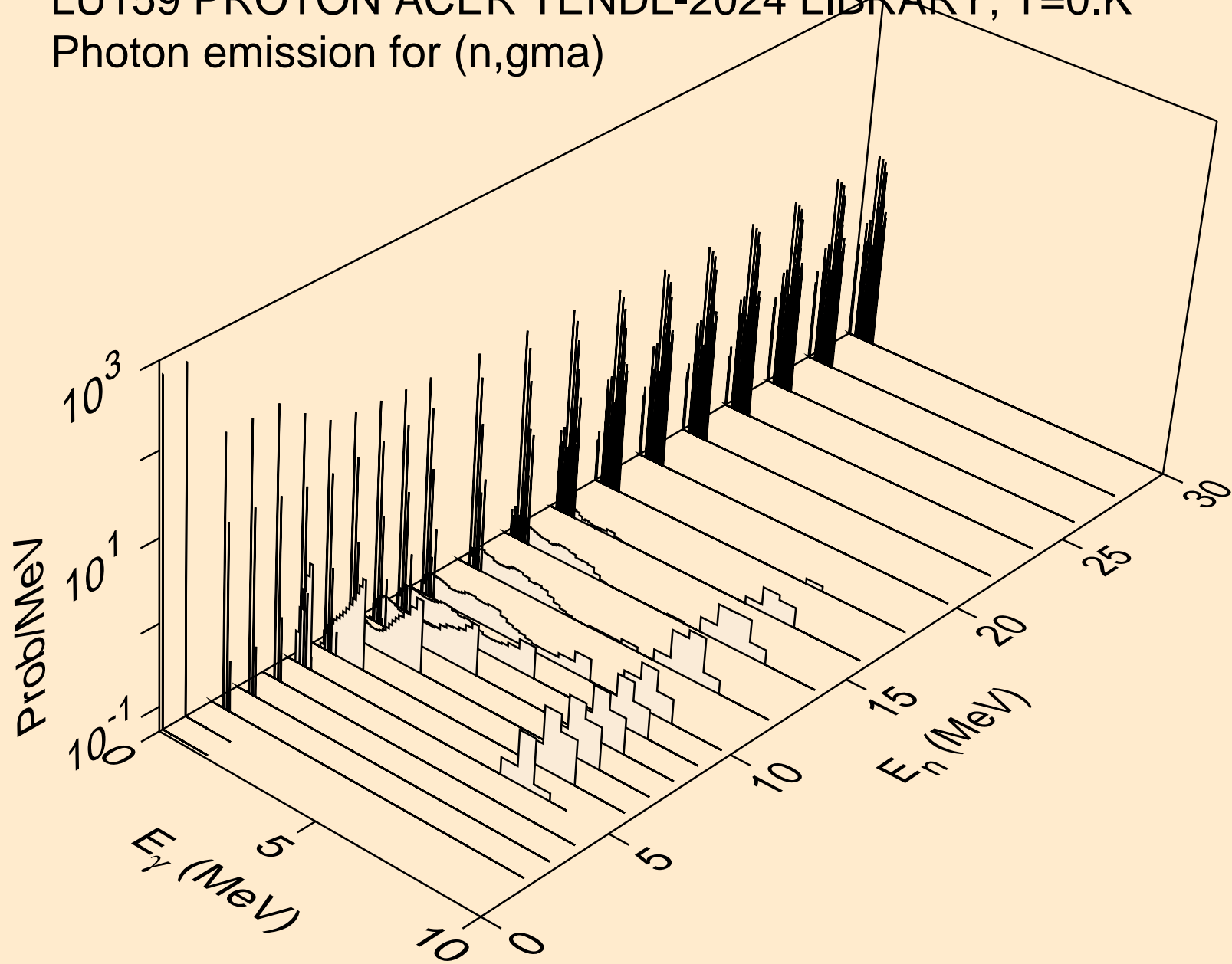
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



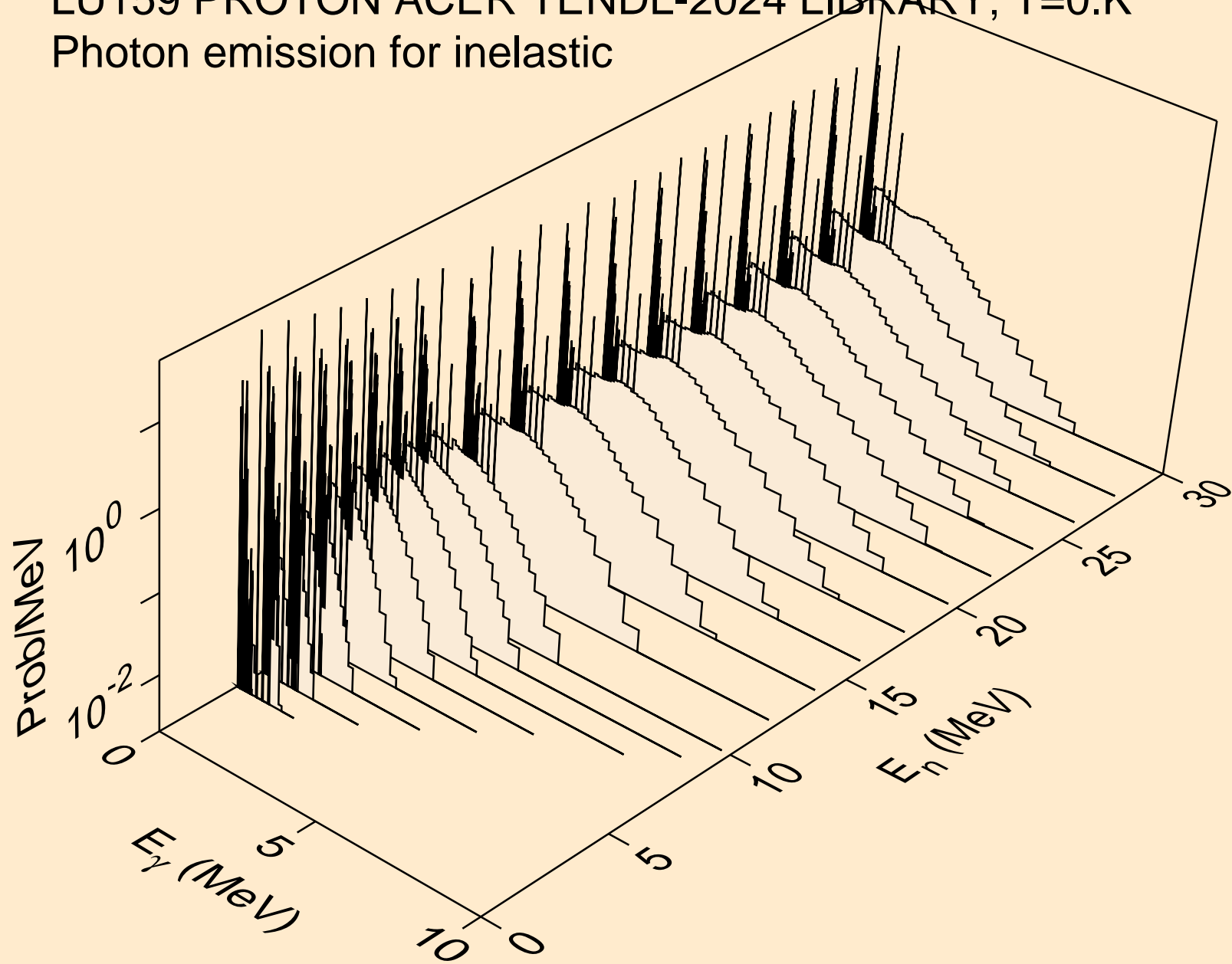
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



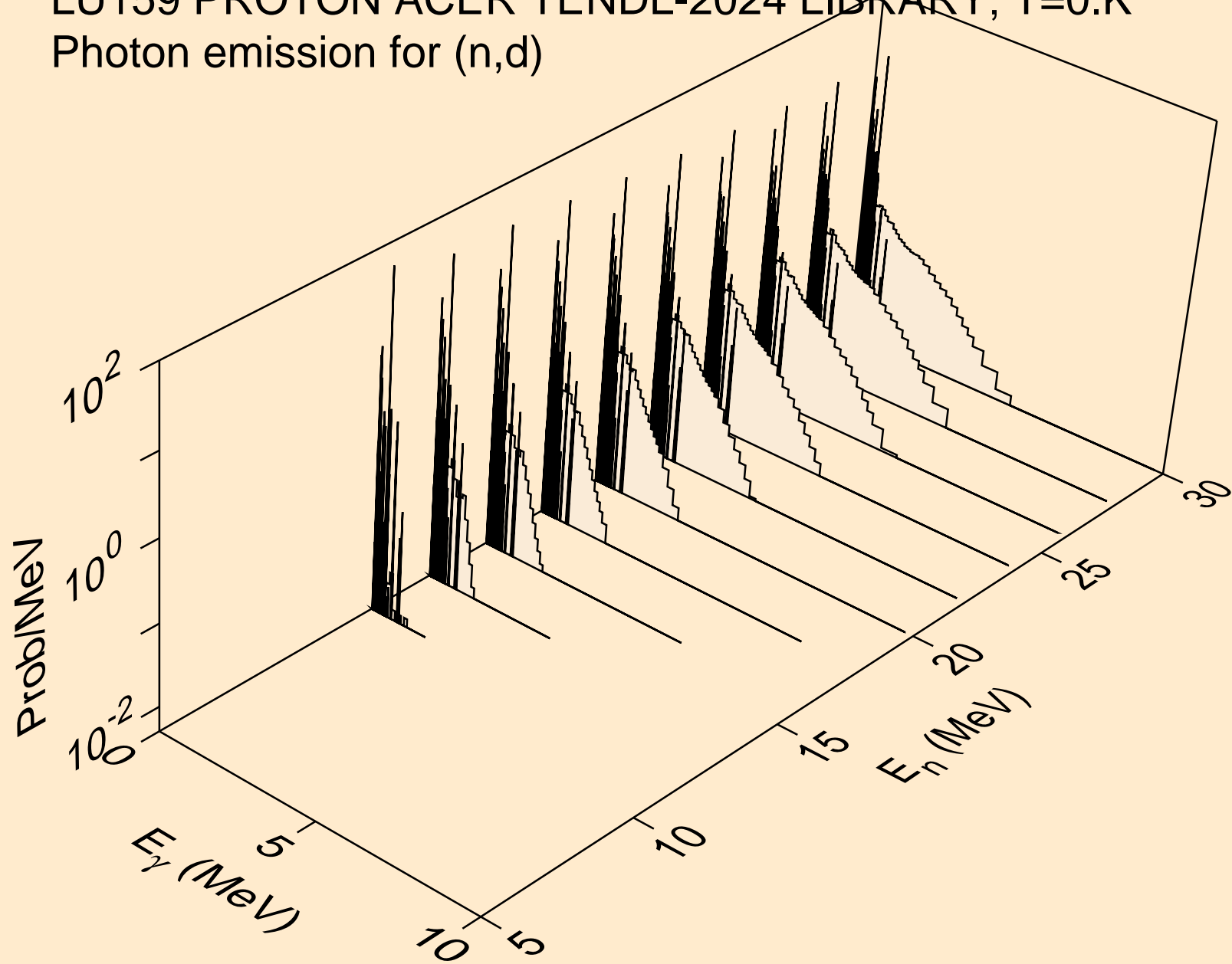
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



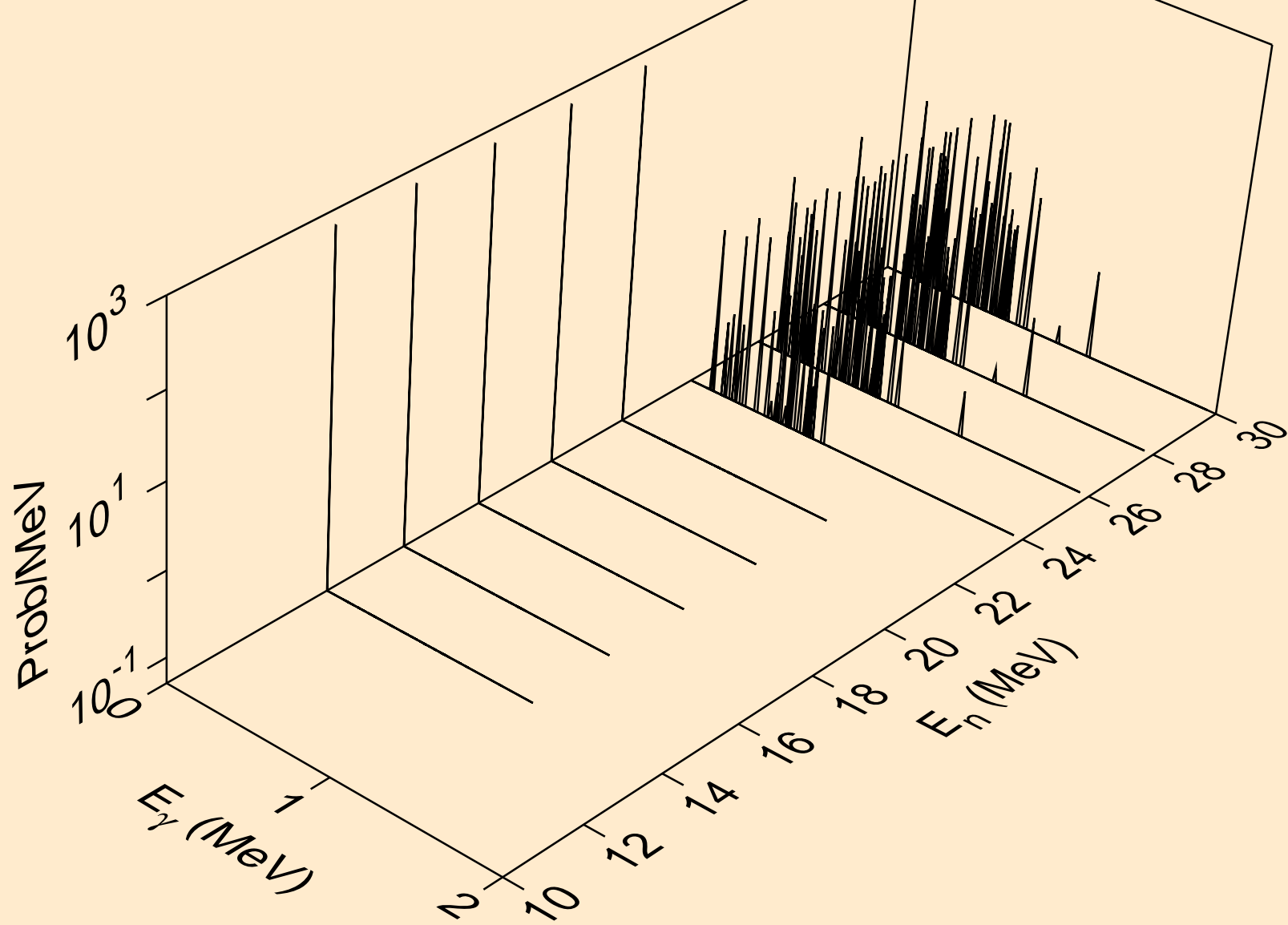
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for inelastic



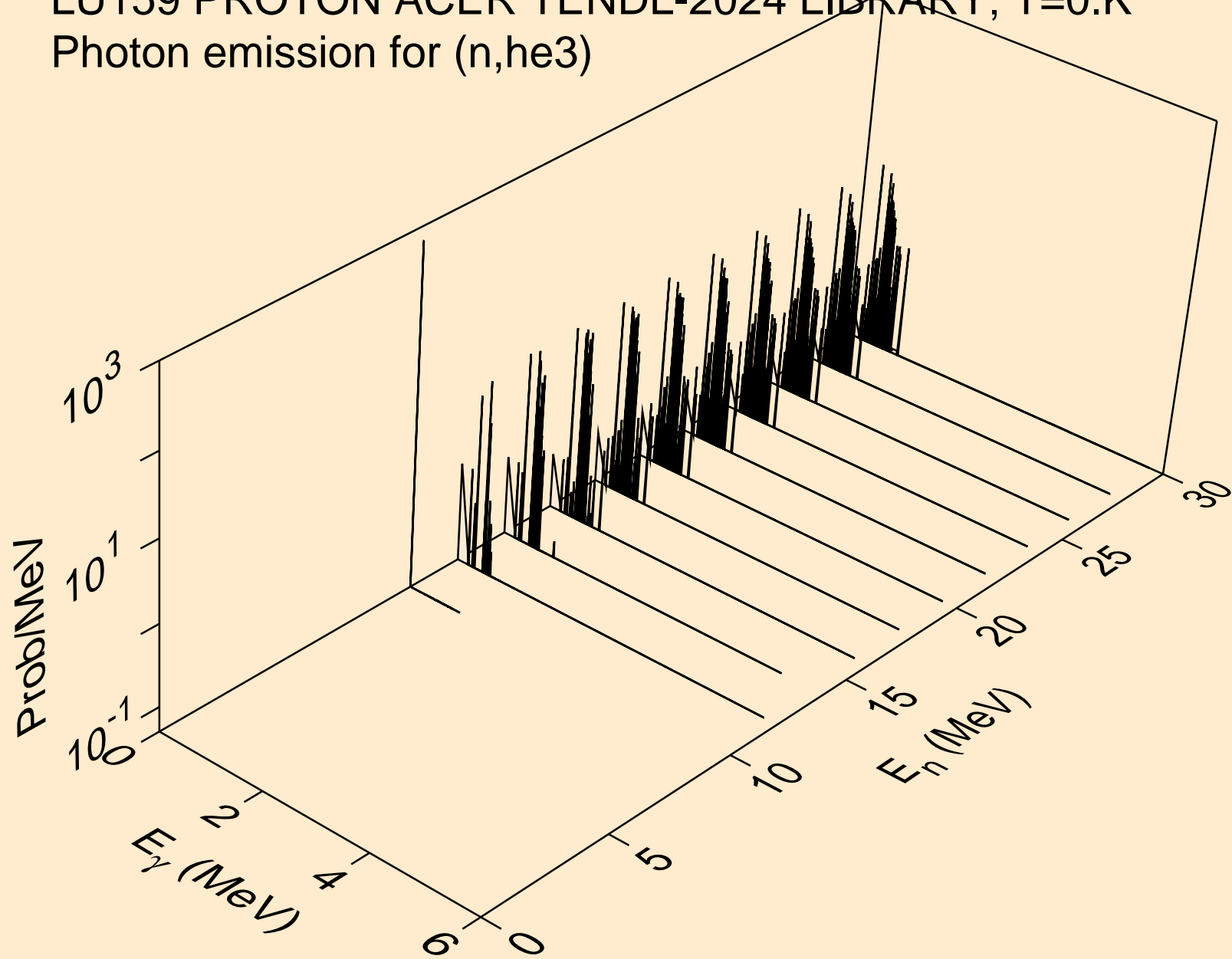
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



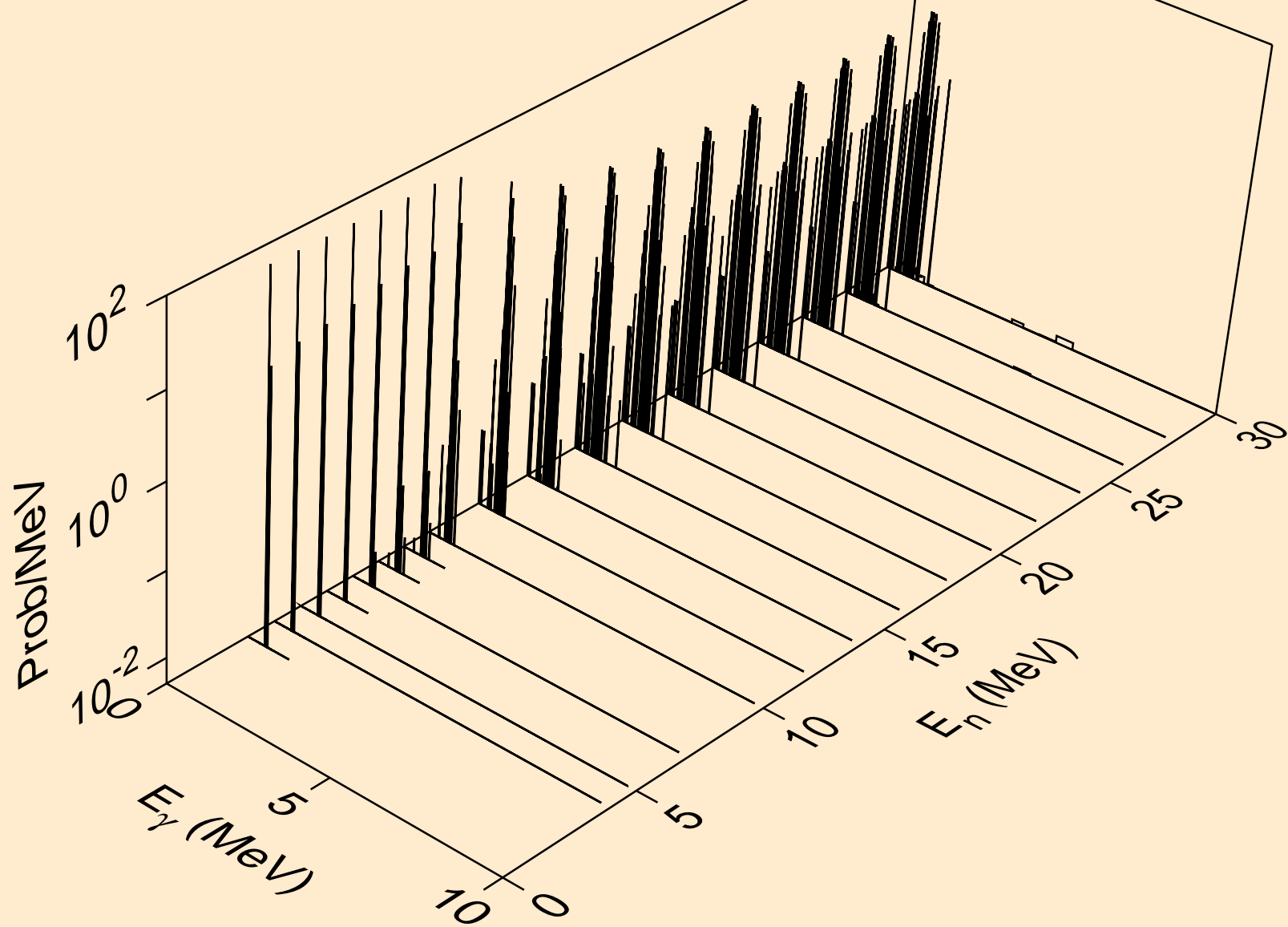
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)

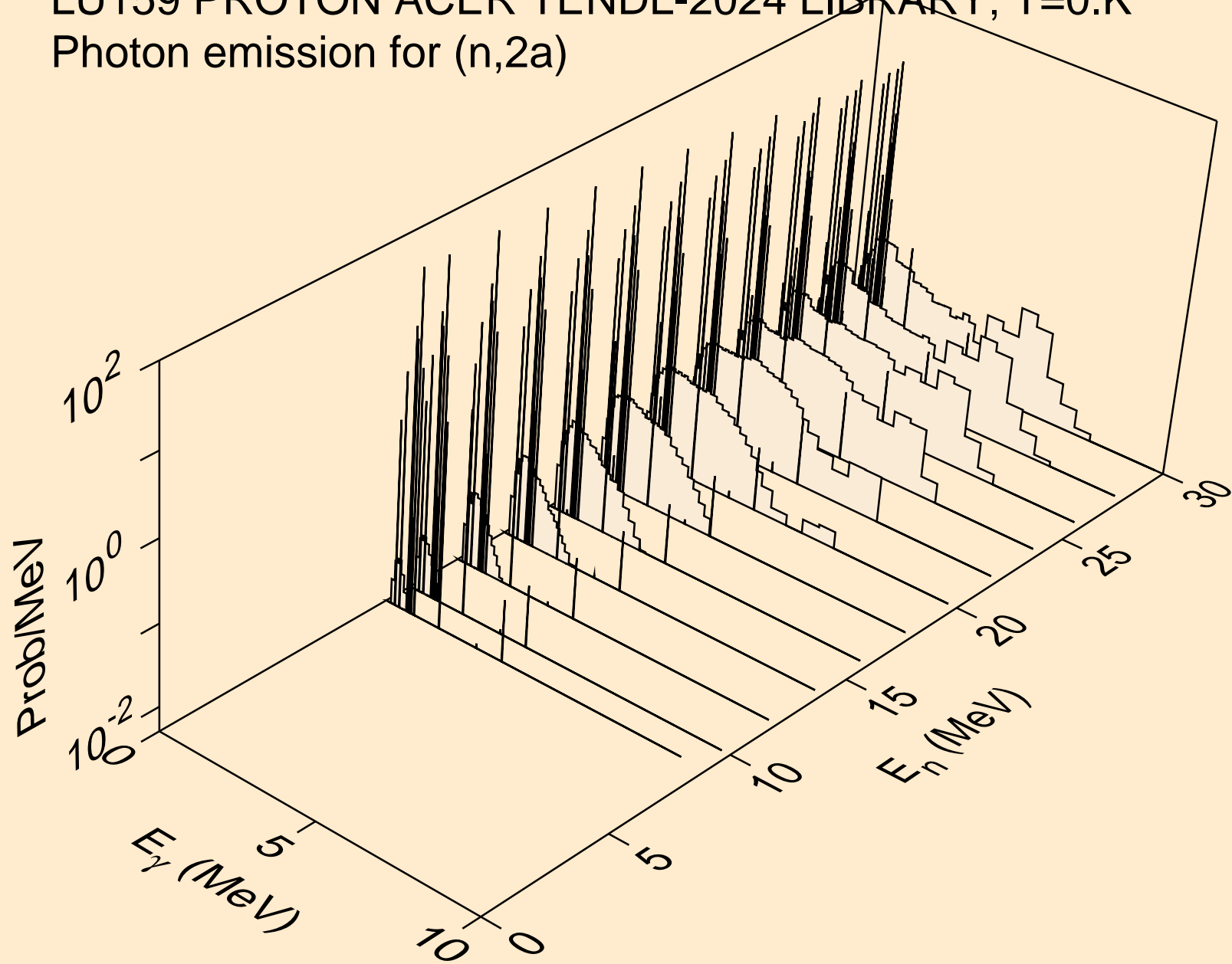


LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)

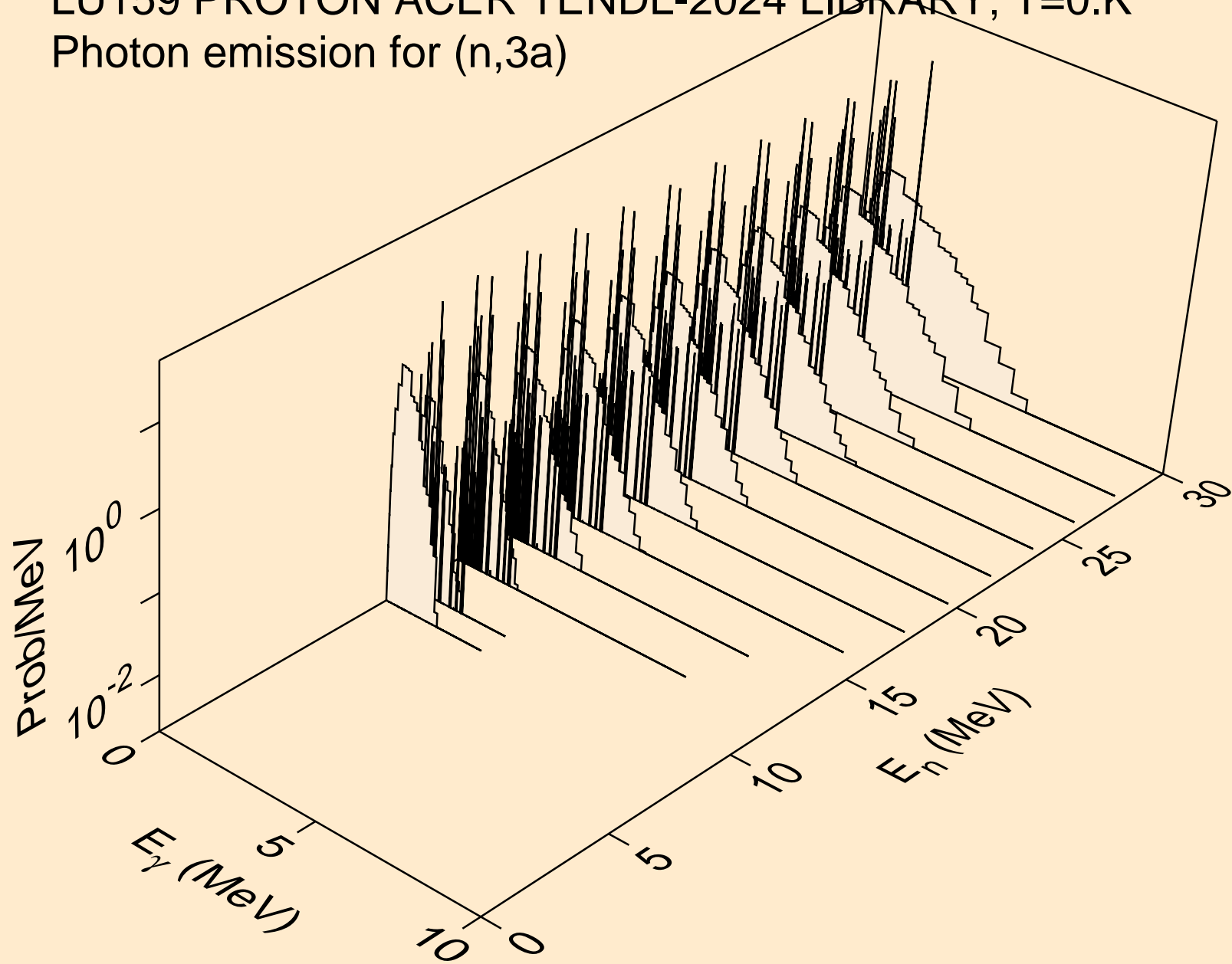




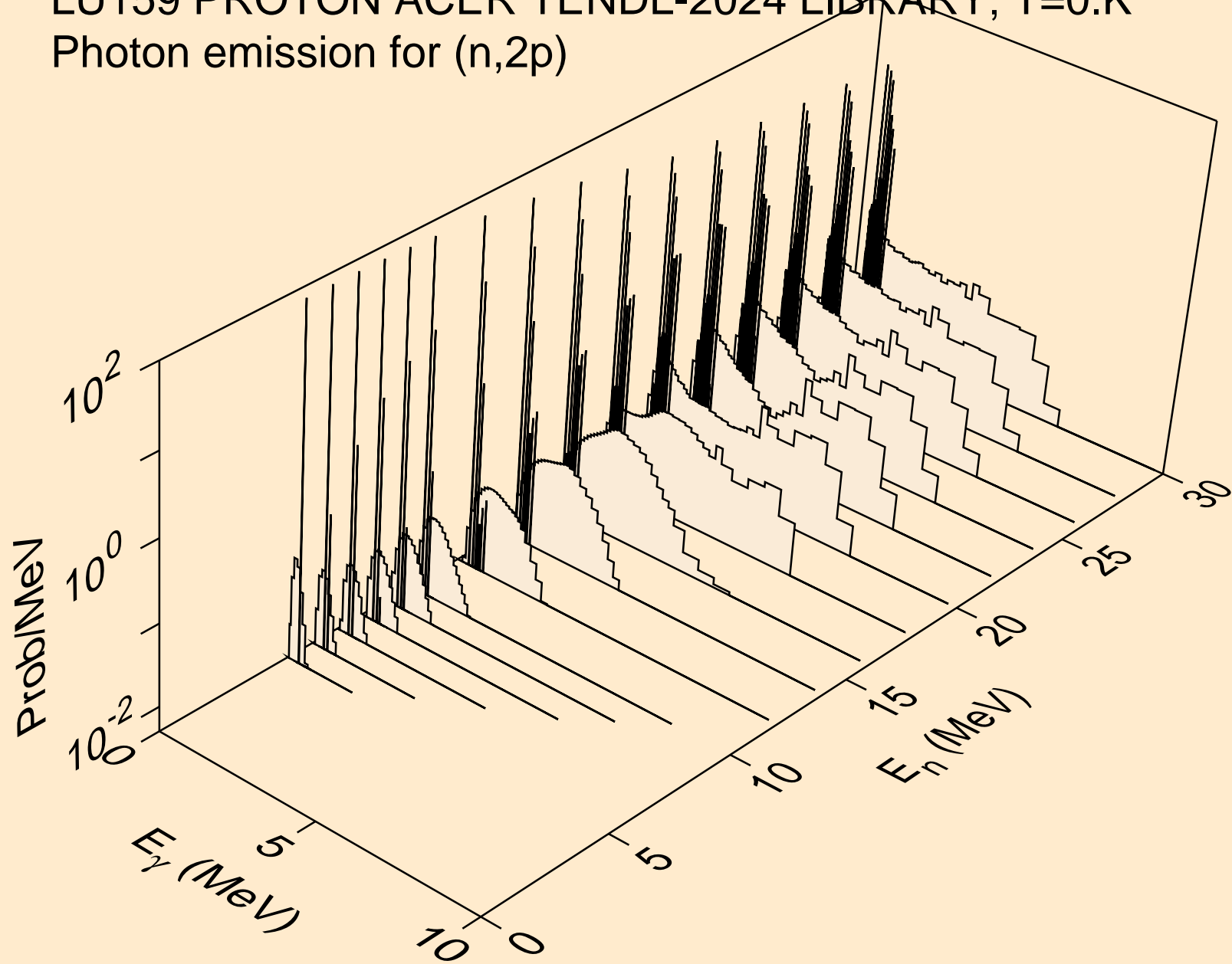
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



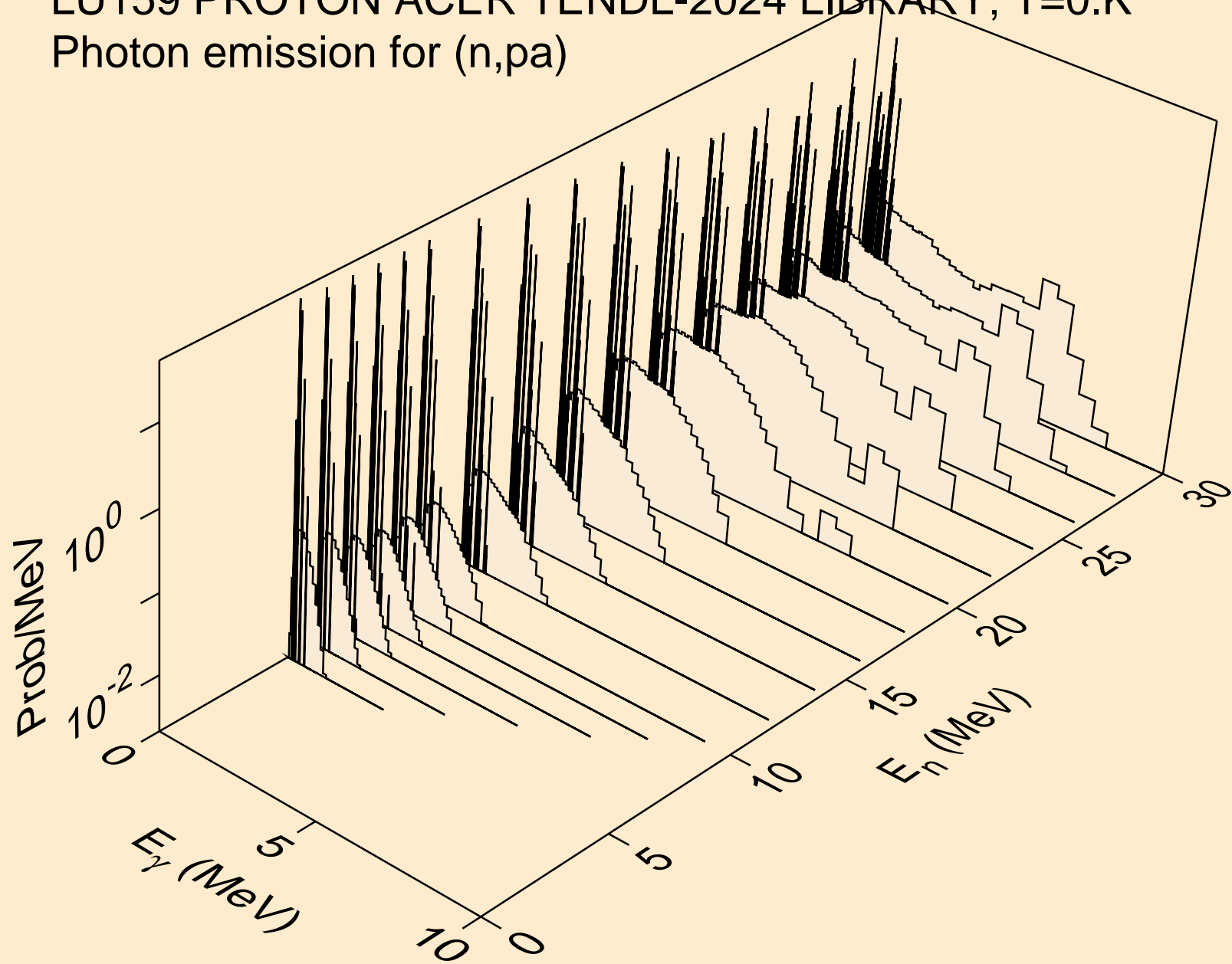
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3a)



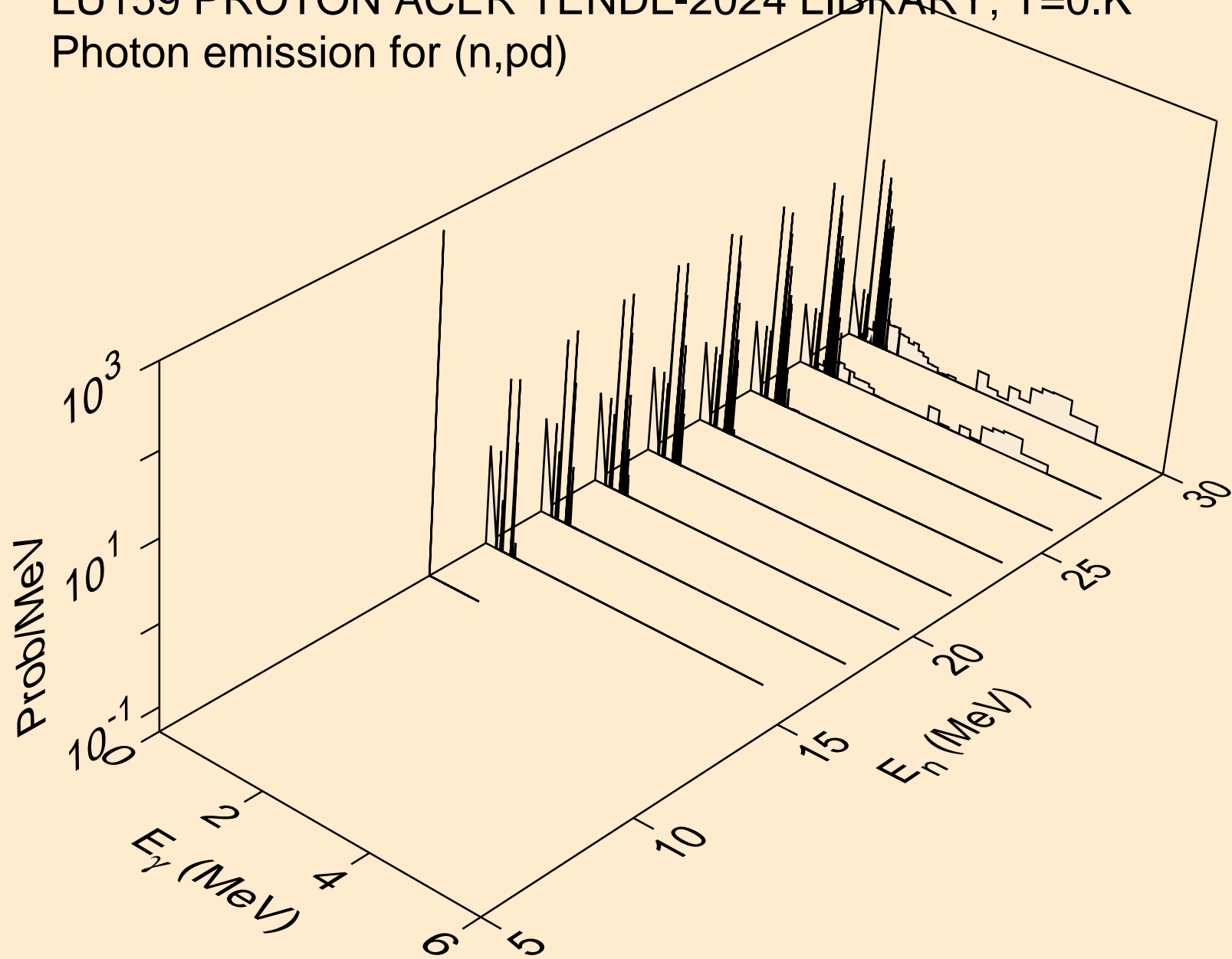
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



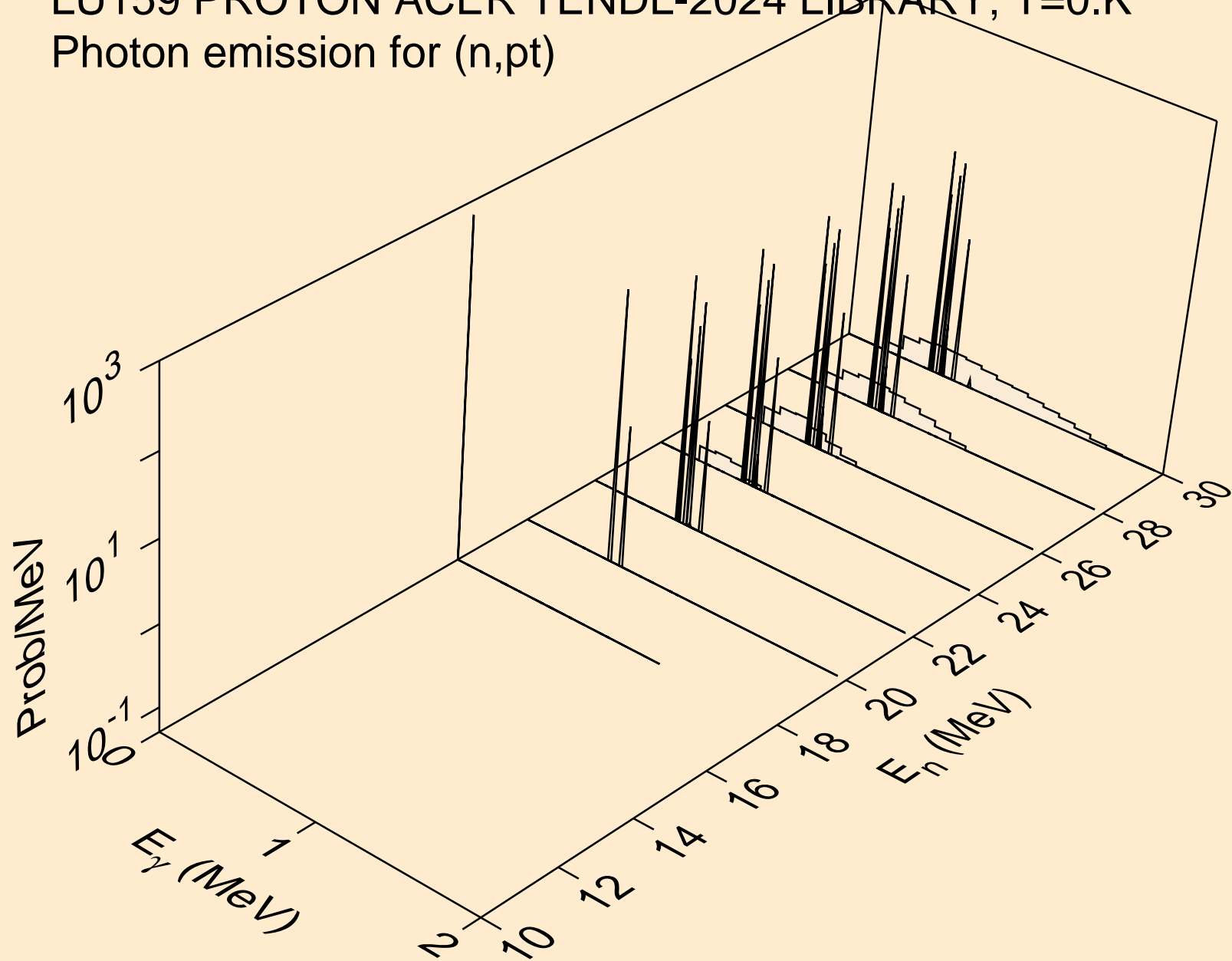
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pa)



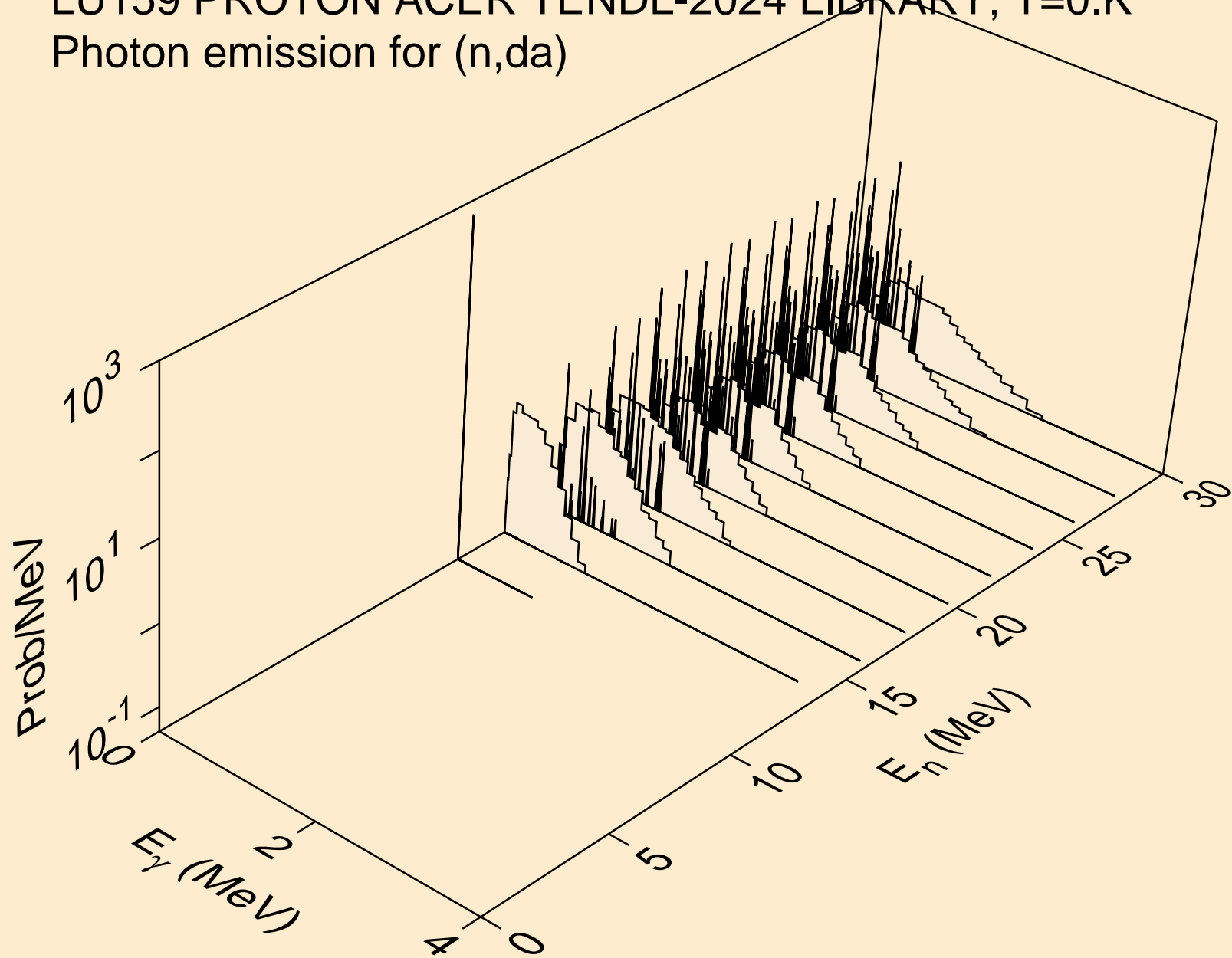
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



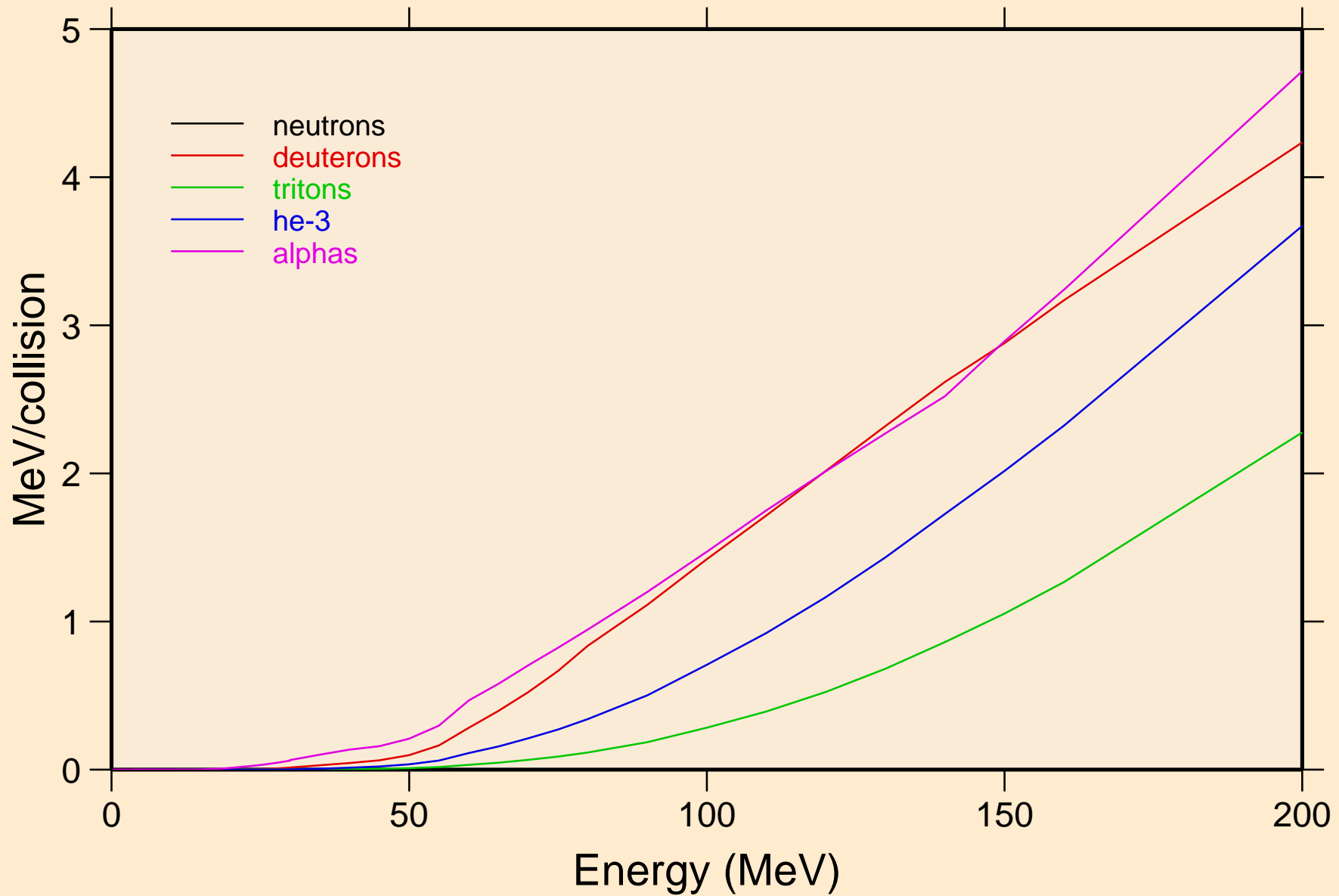
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



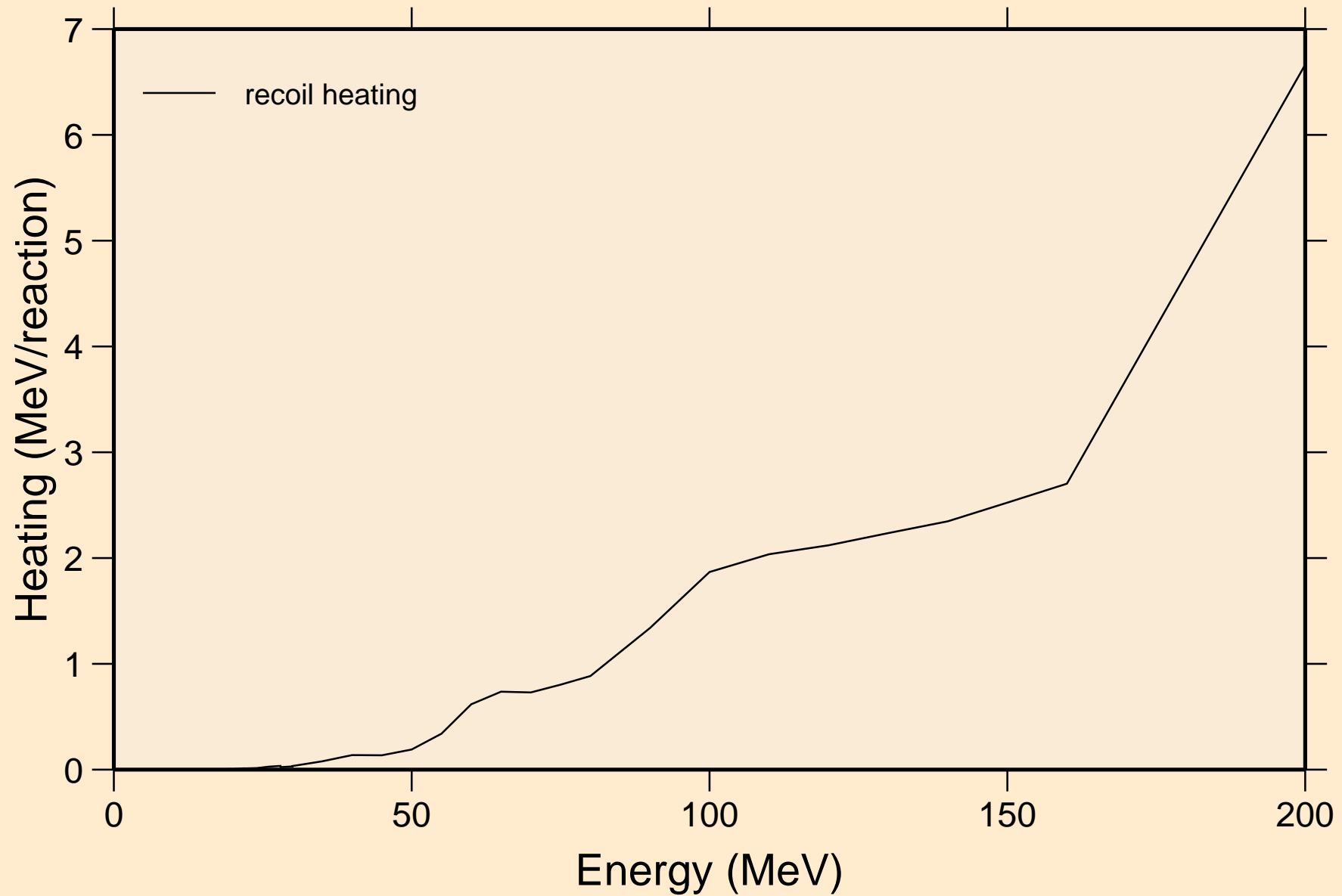
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Particle heating contributions



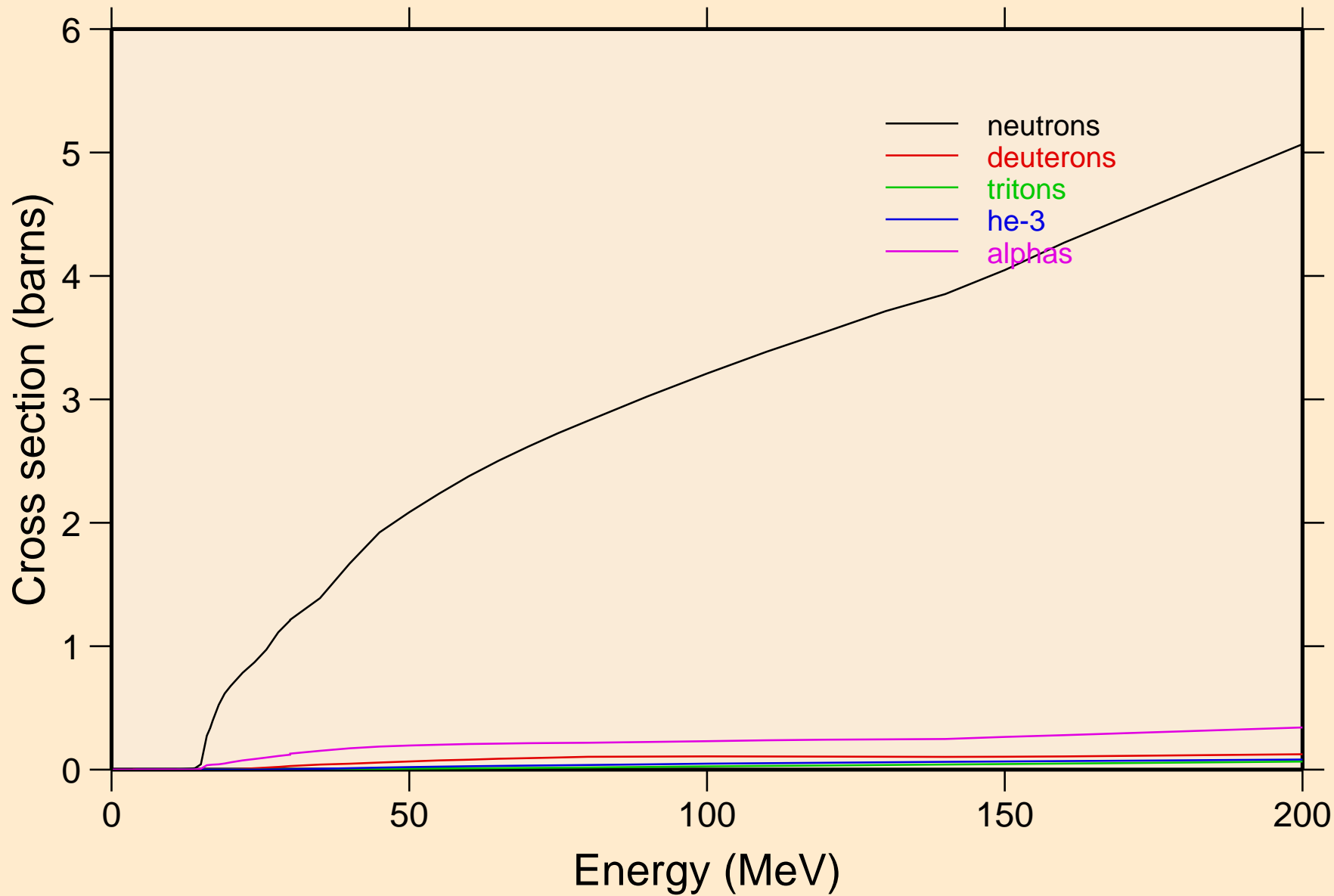


# LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K

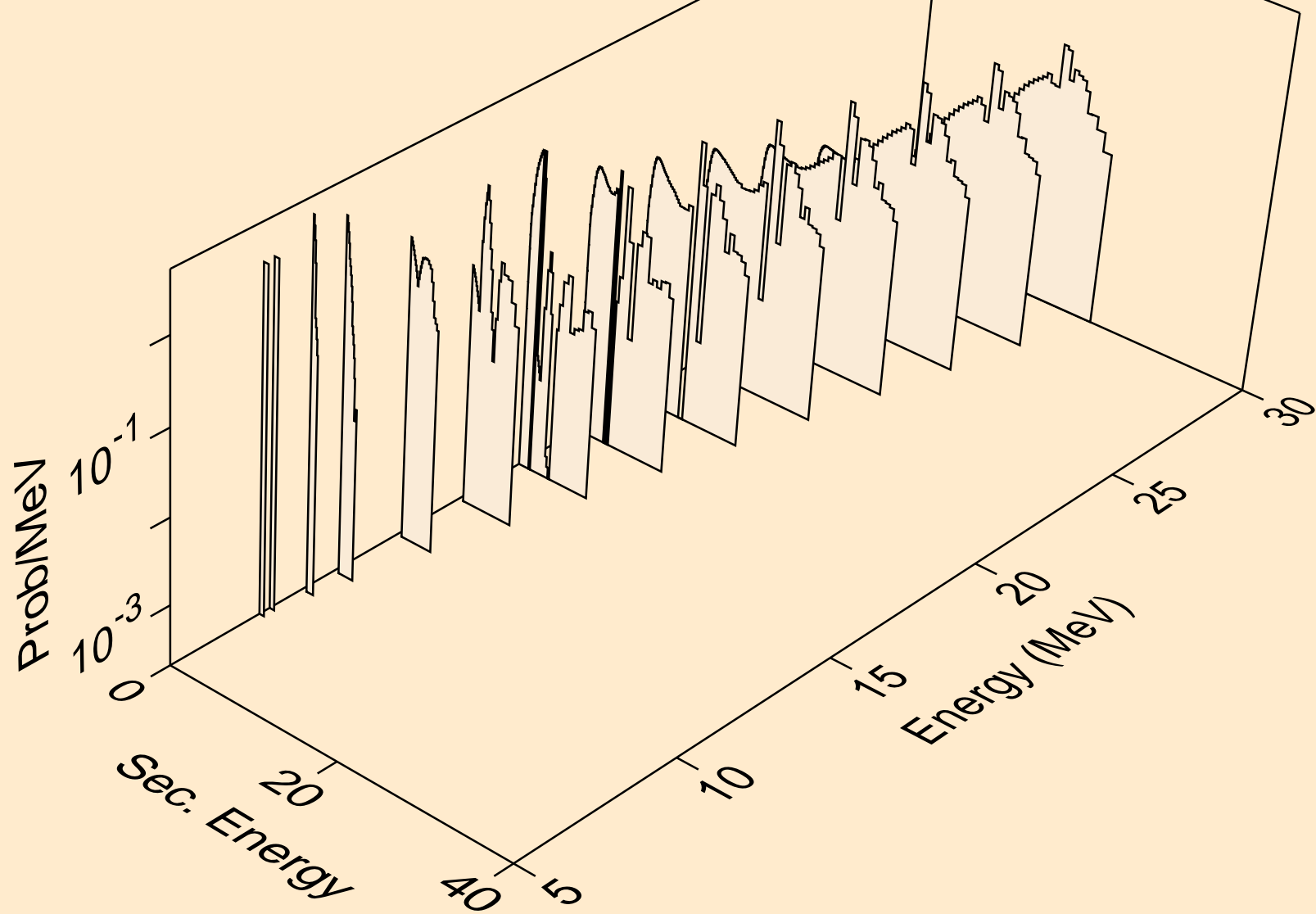
## Recoil Heating



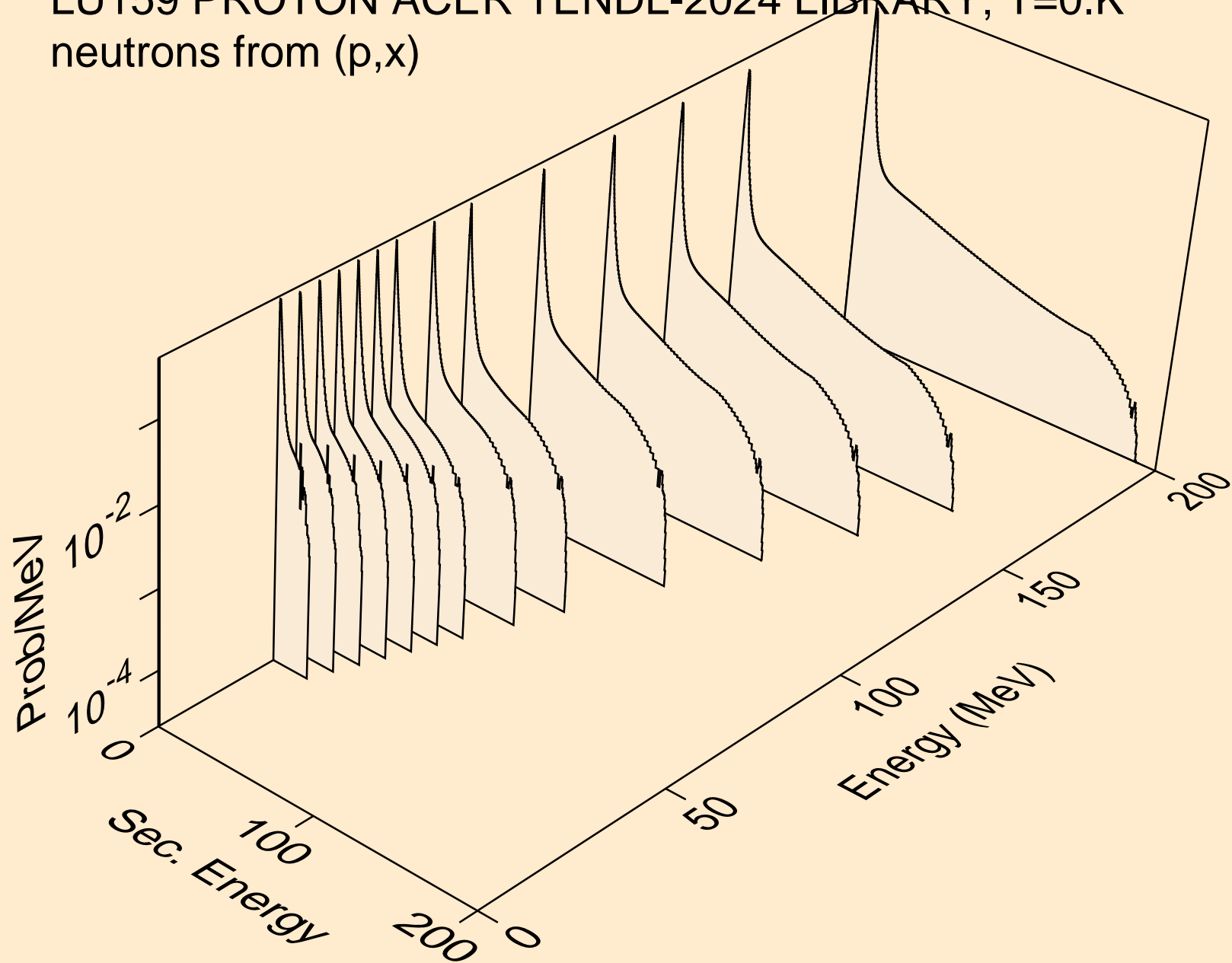
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections



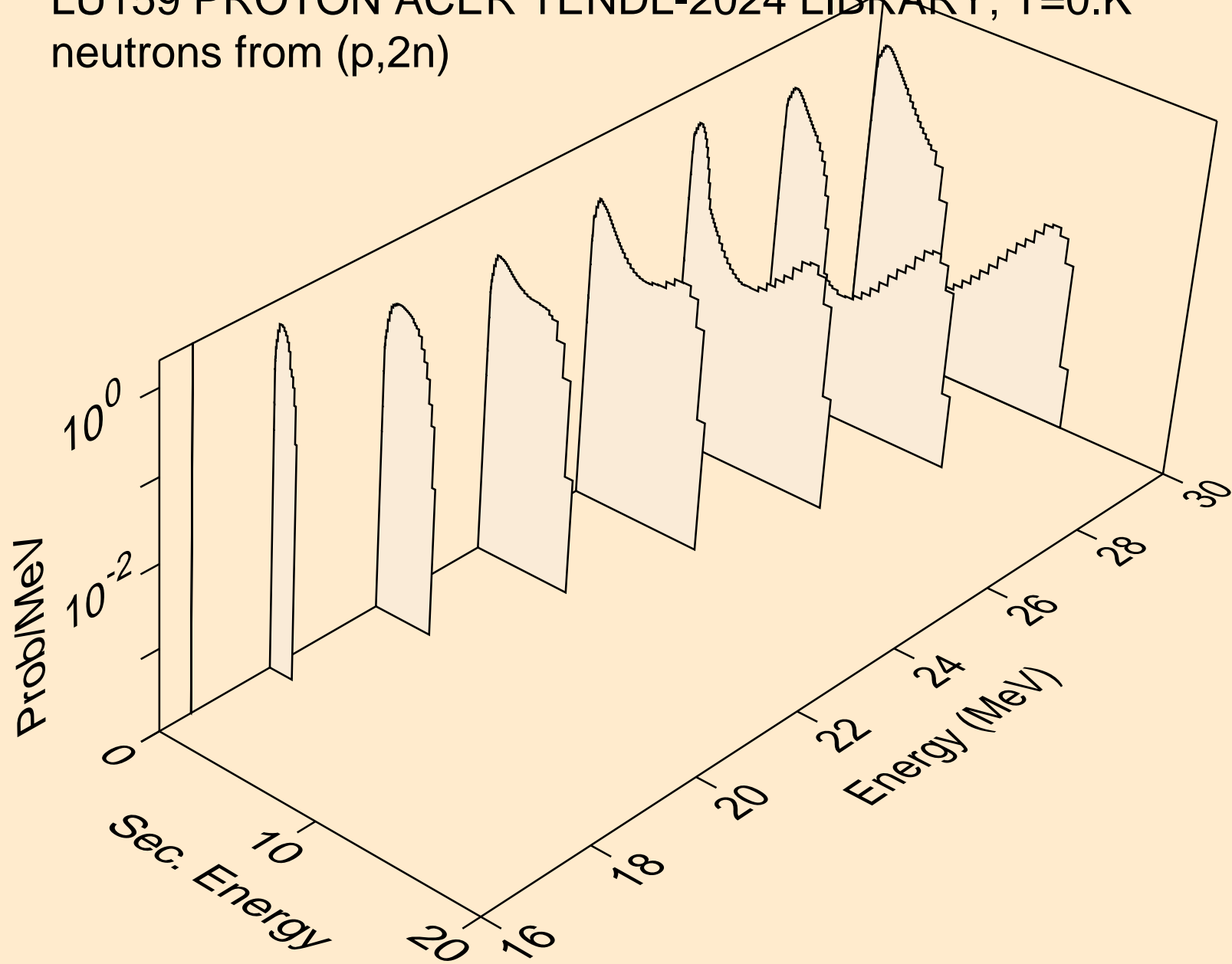
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n)



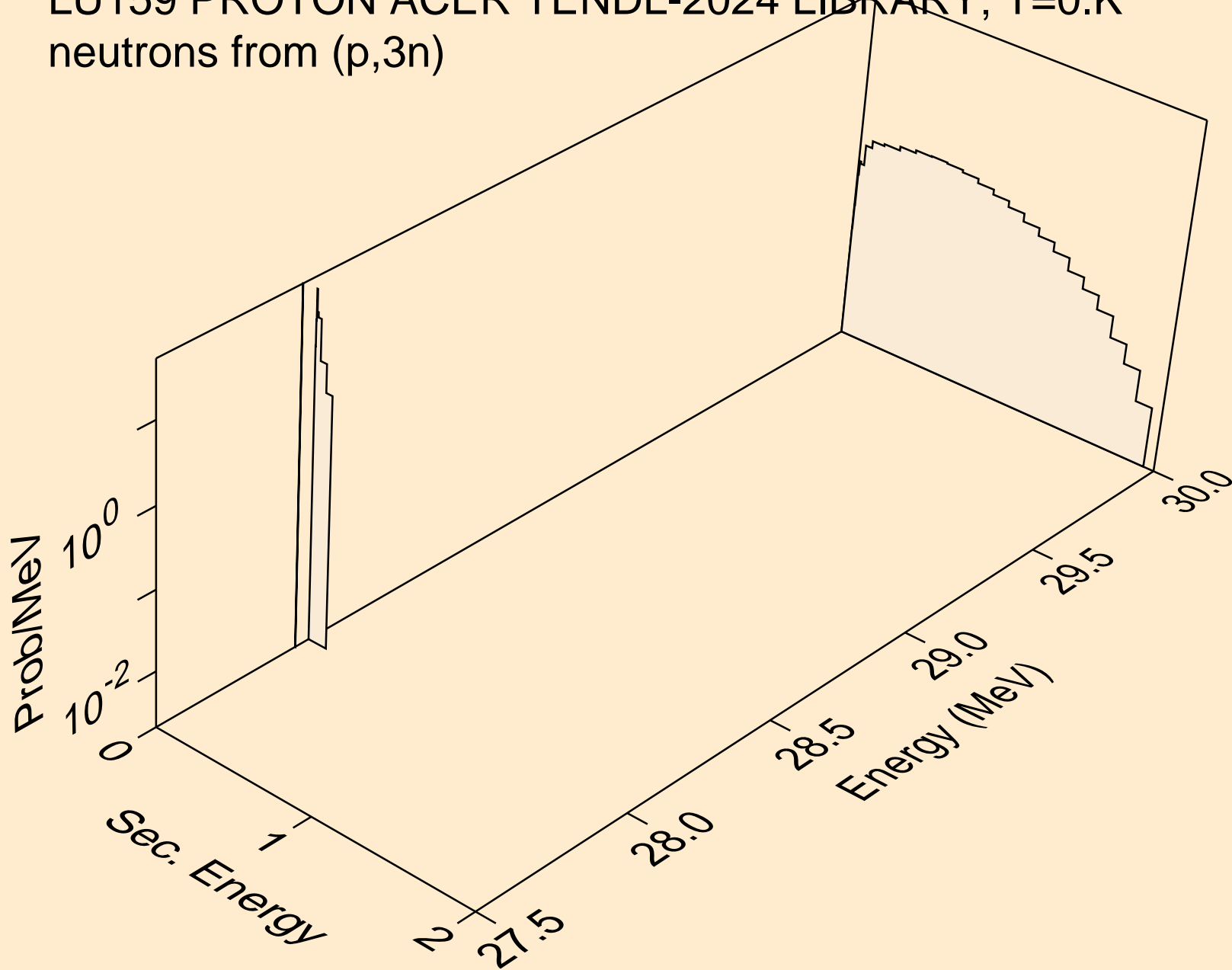
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,x)



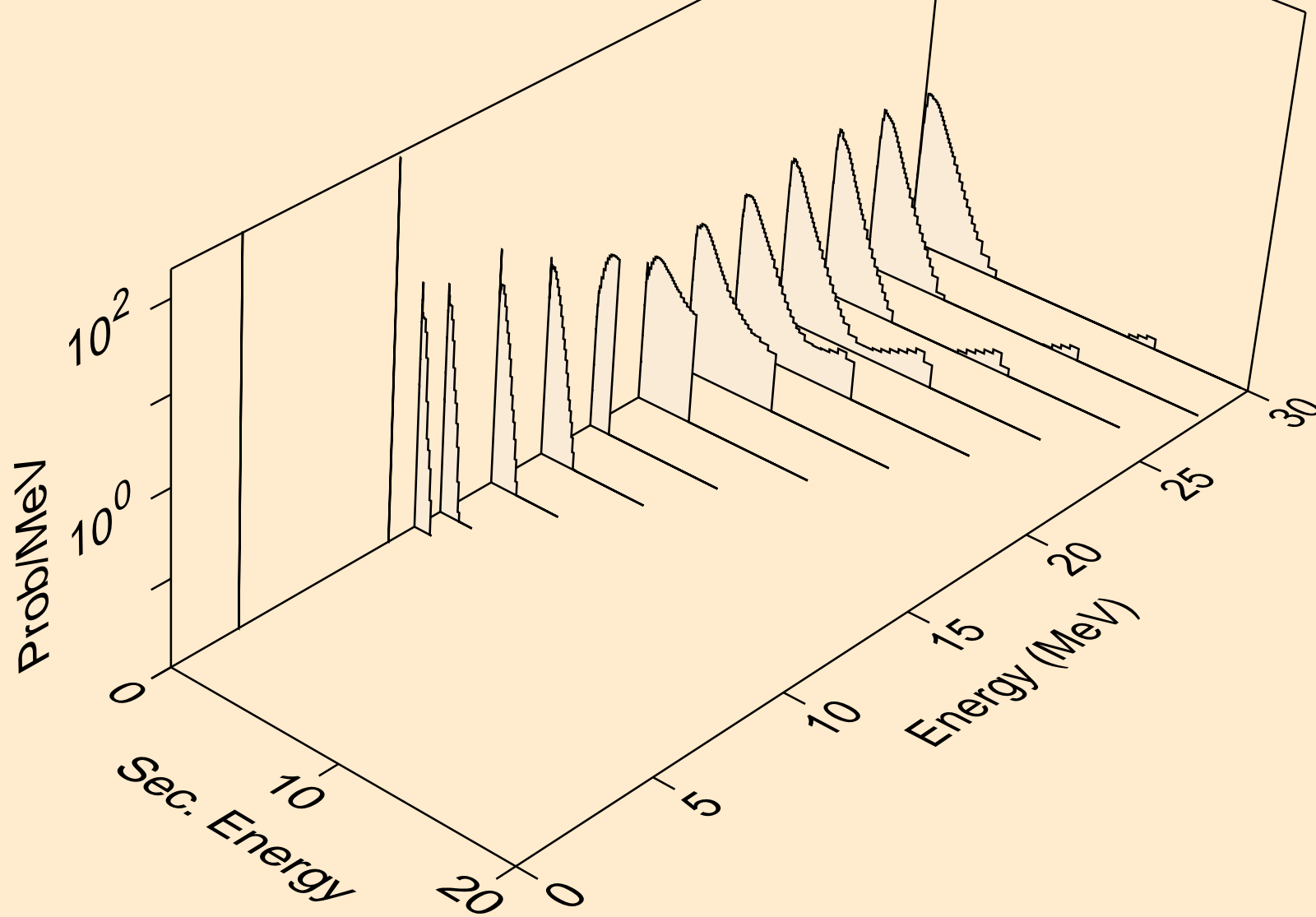
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,2n)



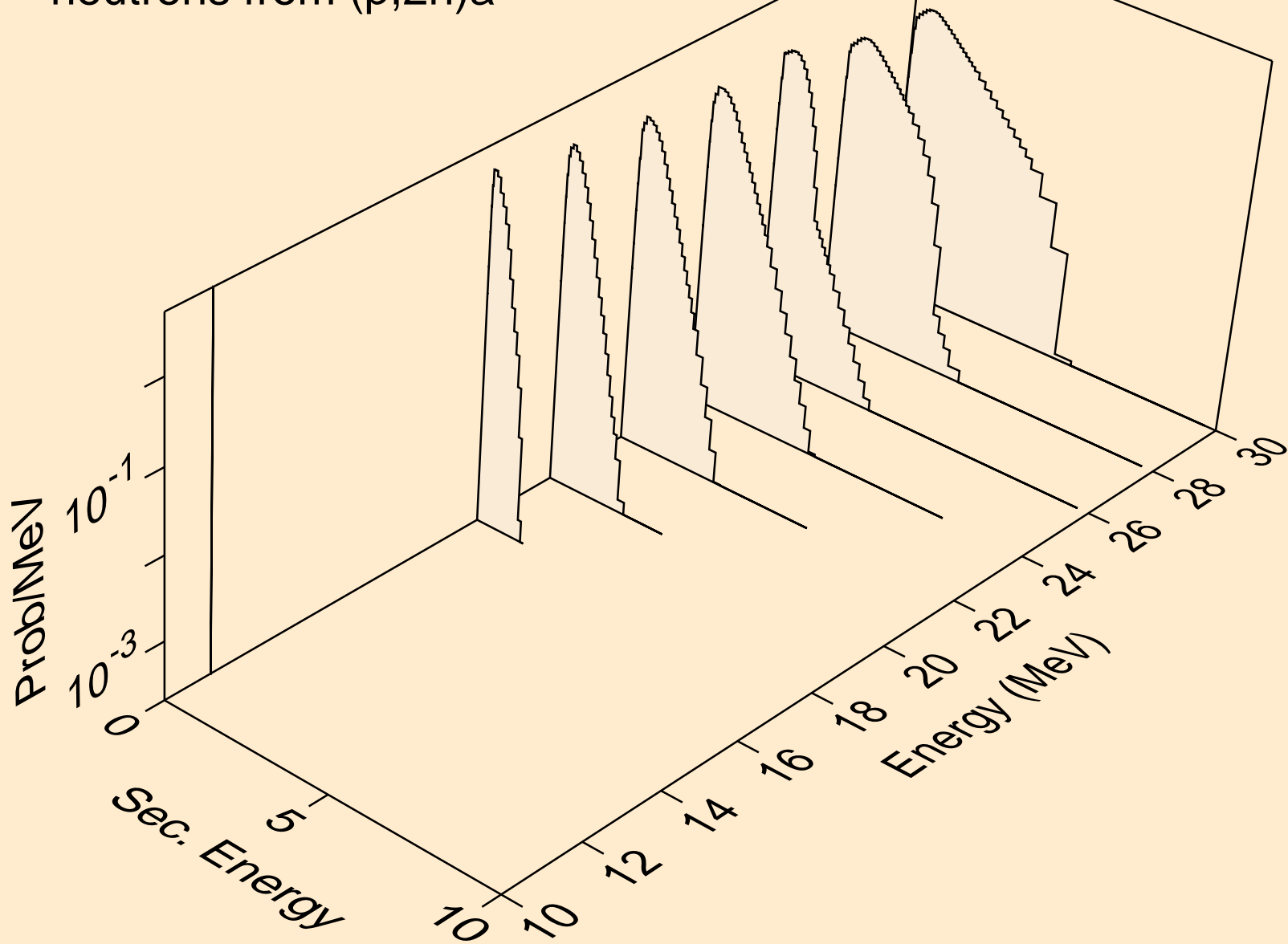
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,3n)



LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)a

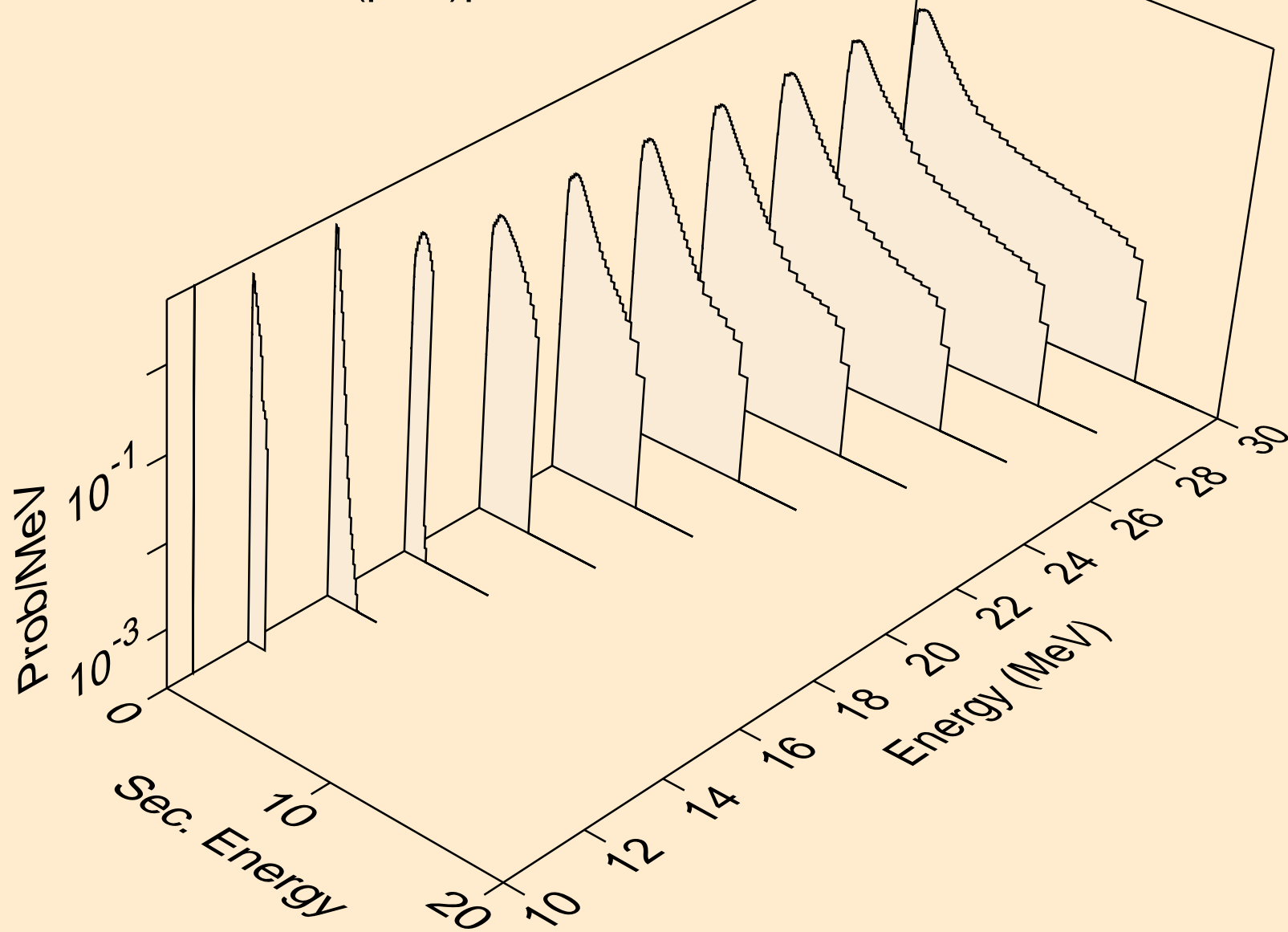


LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,2n)a

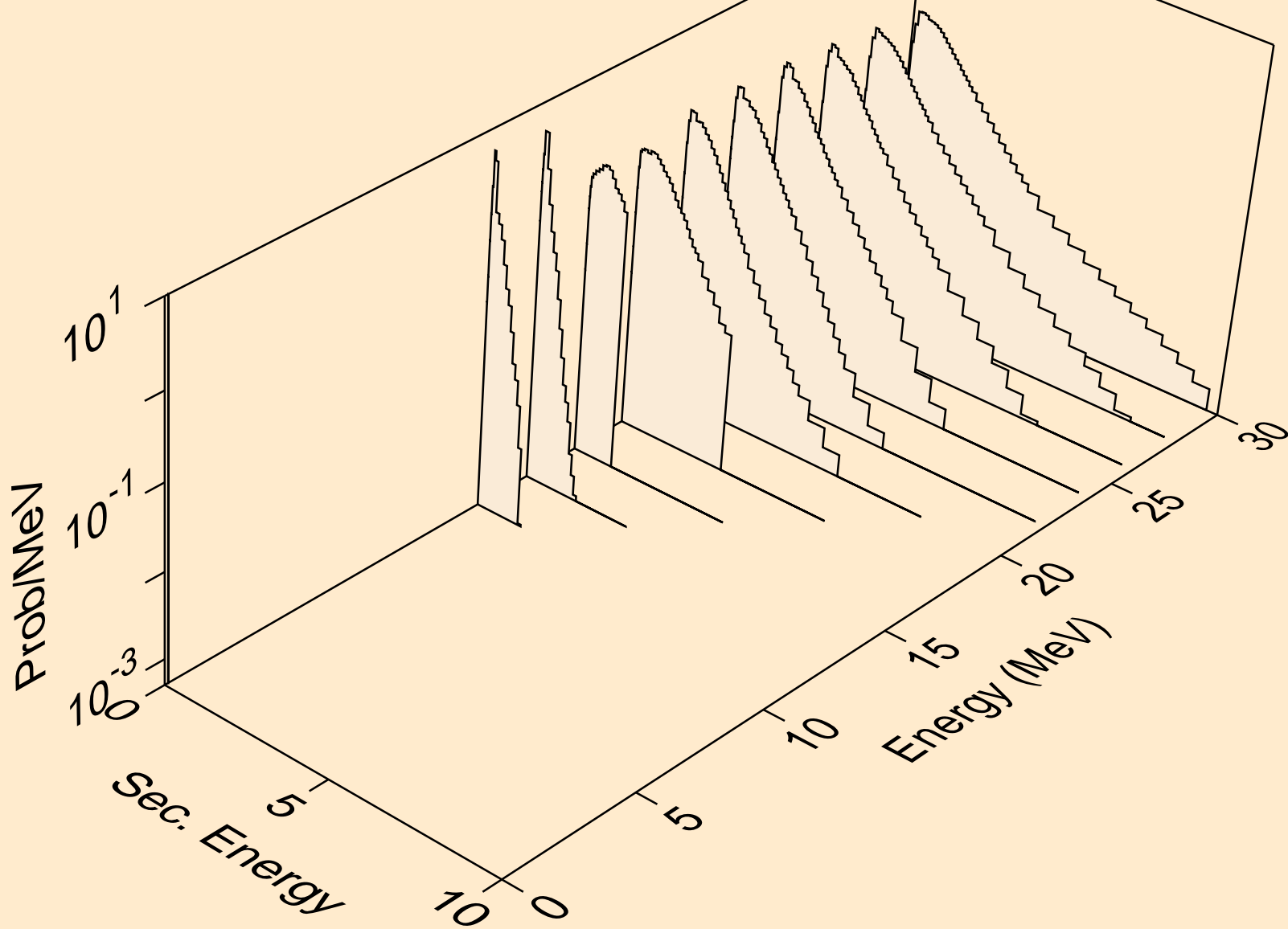




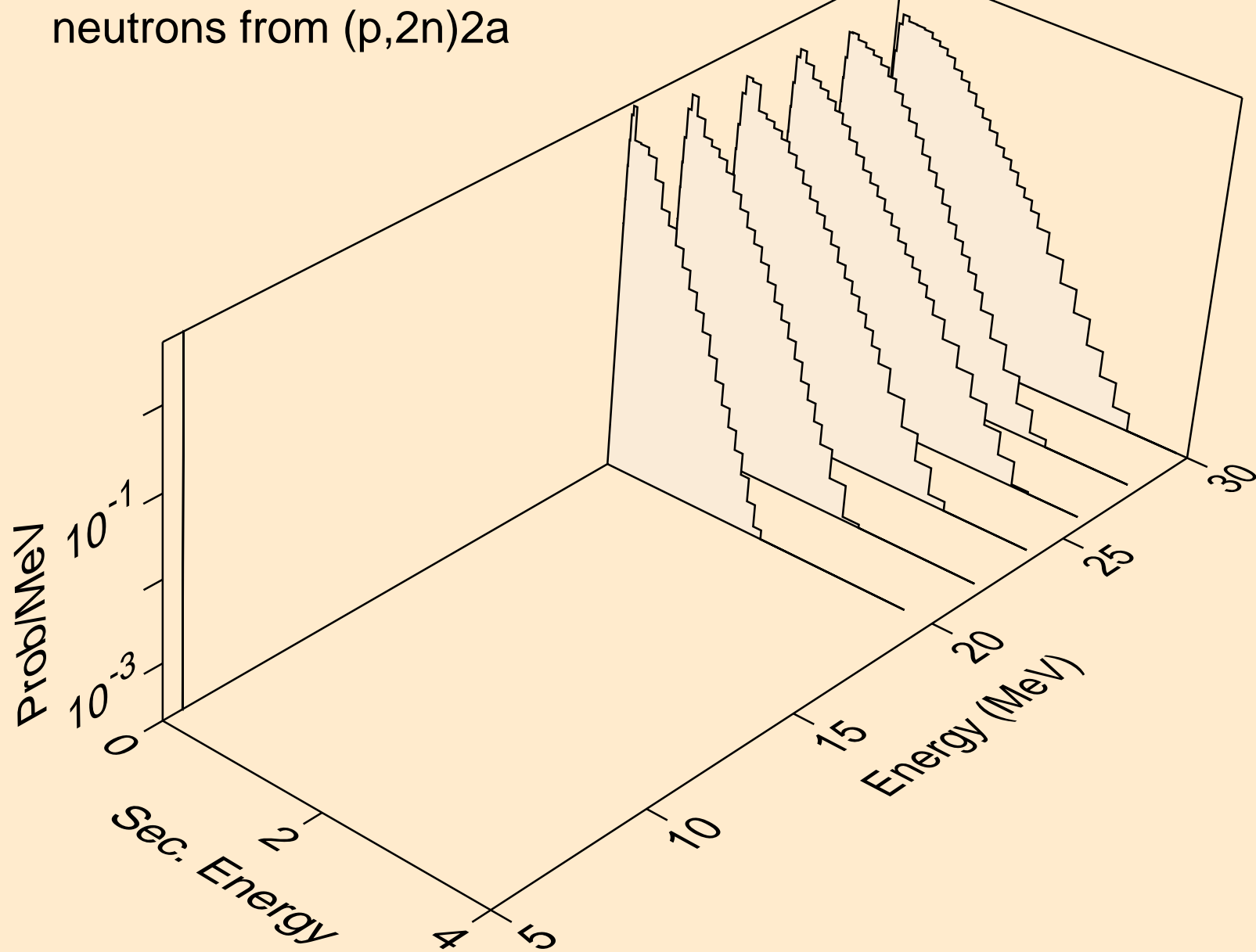
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)p



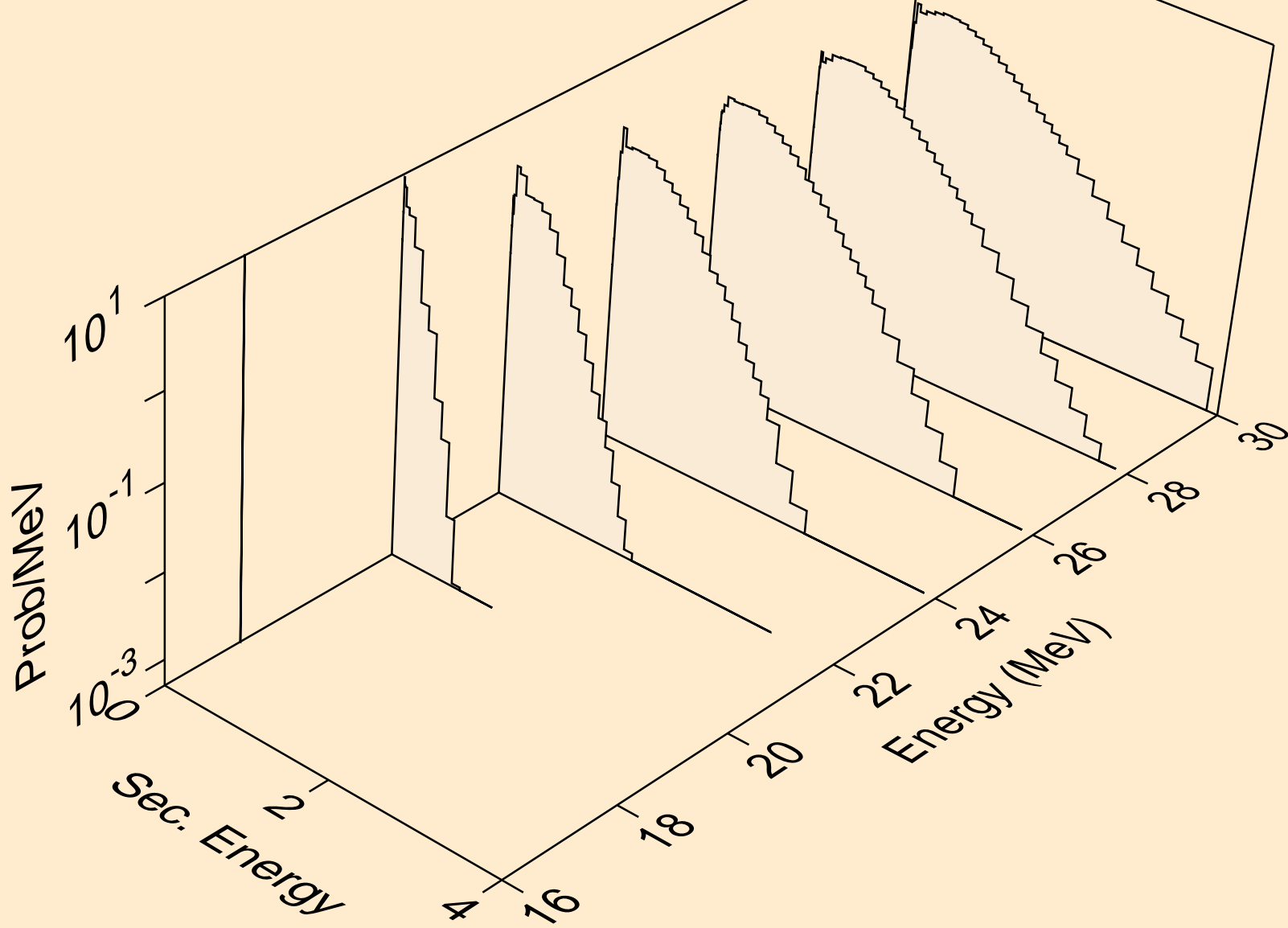
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)2a



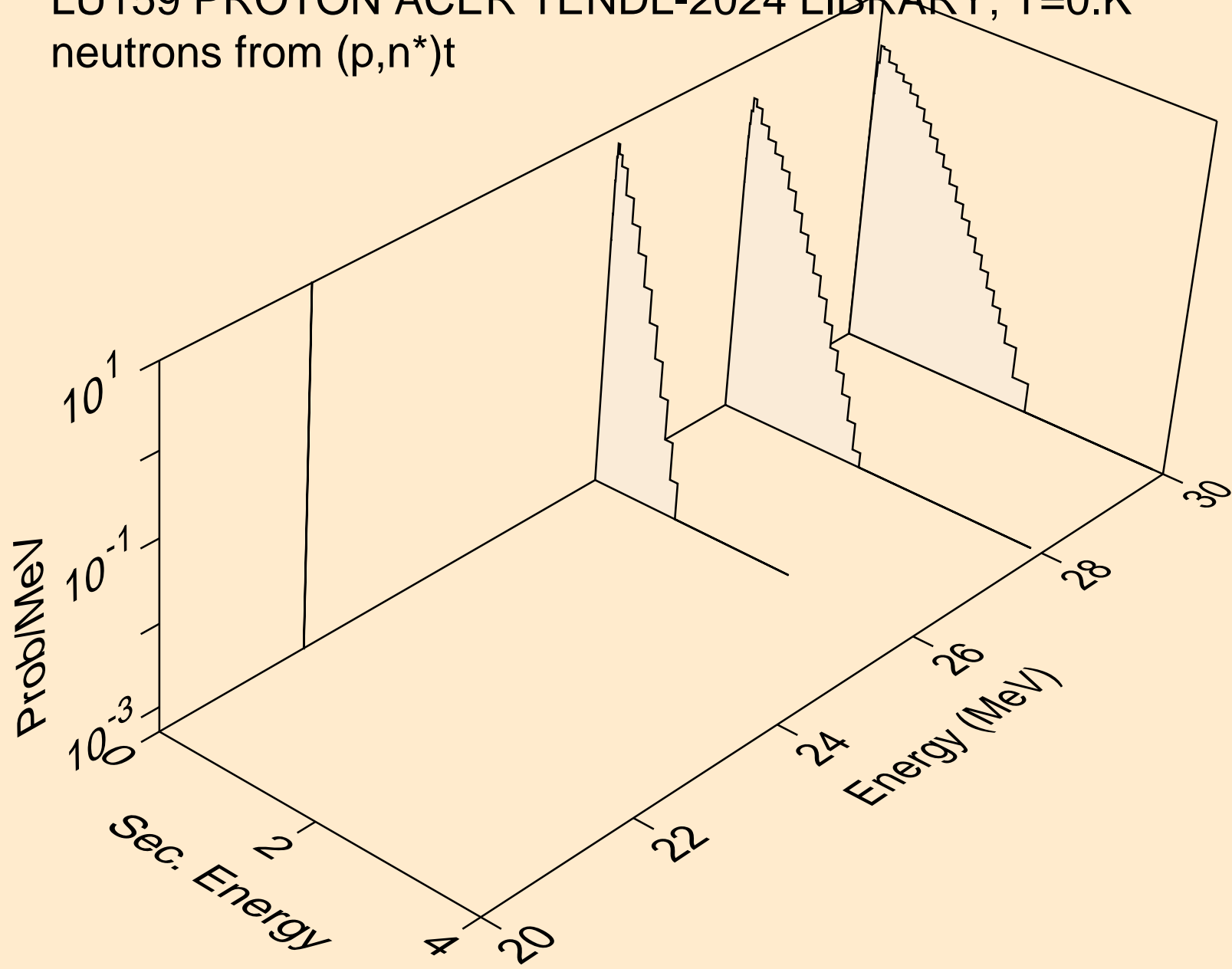
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,2n)2a



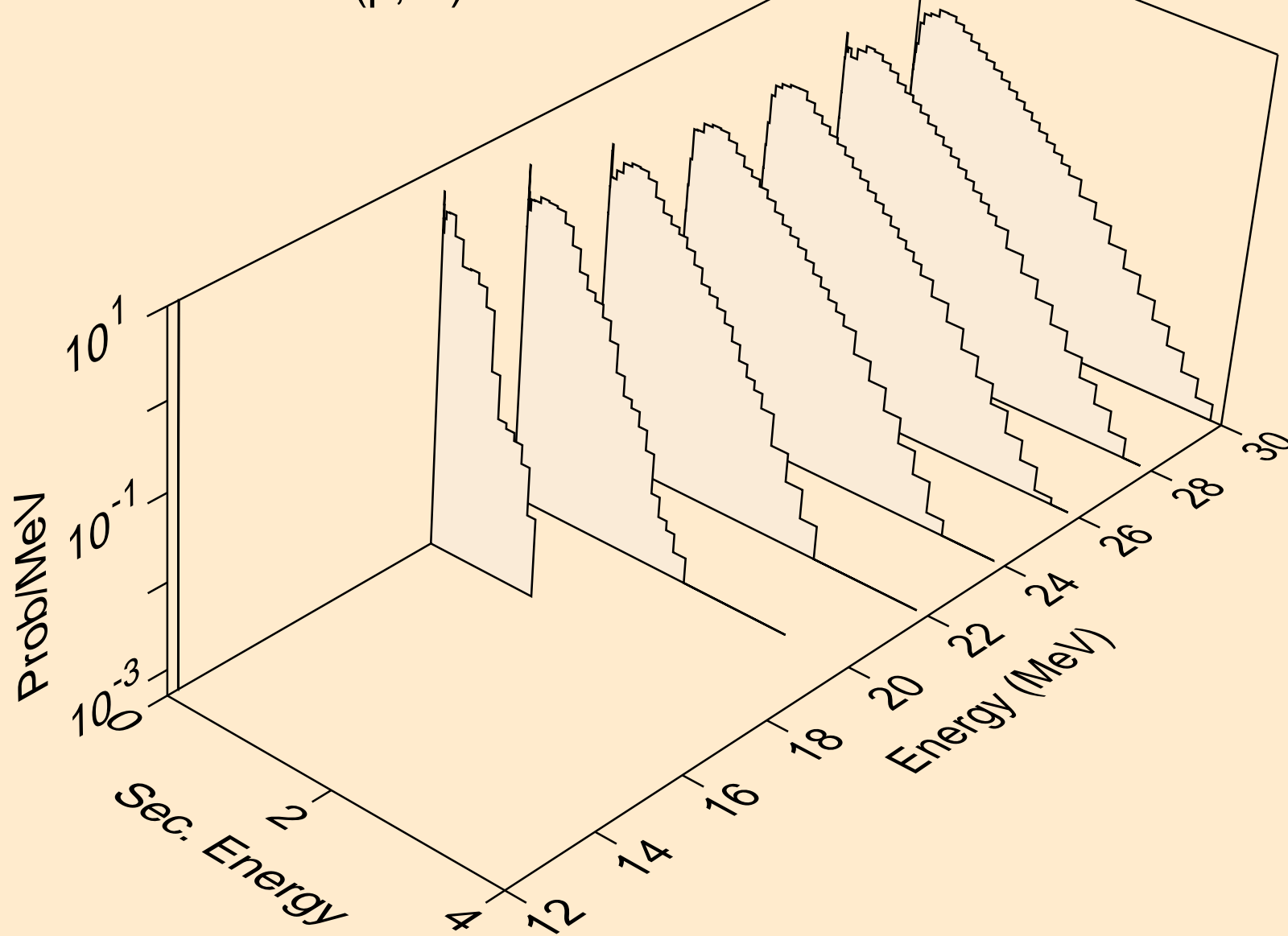
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)d



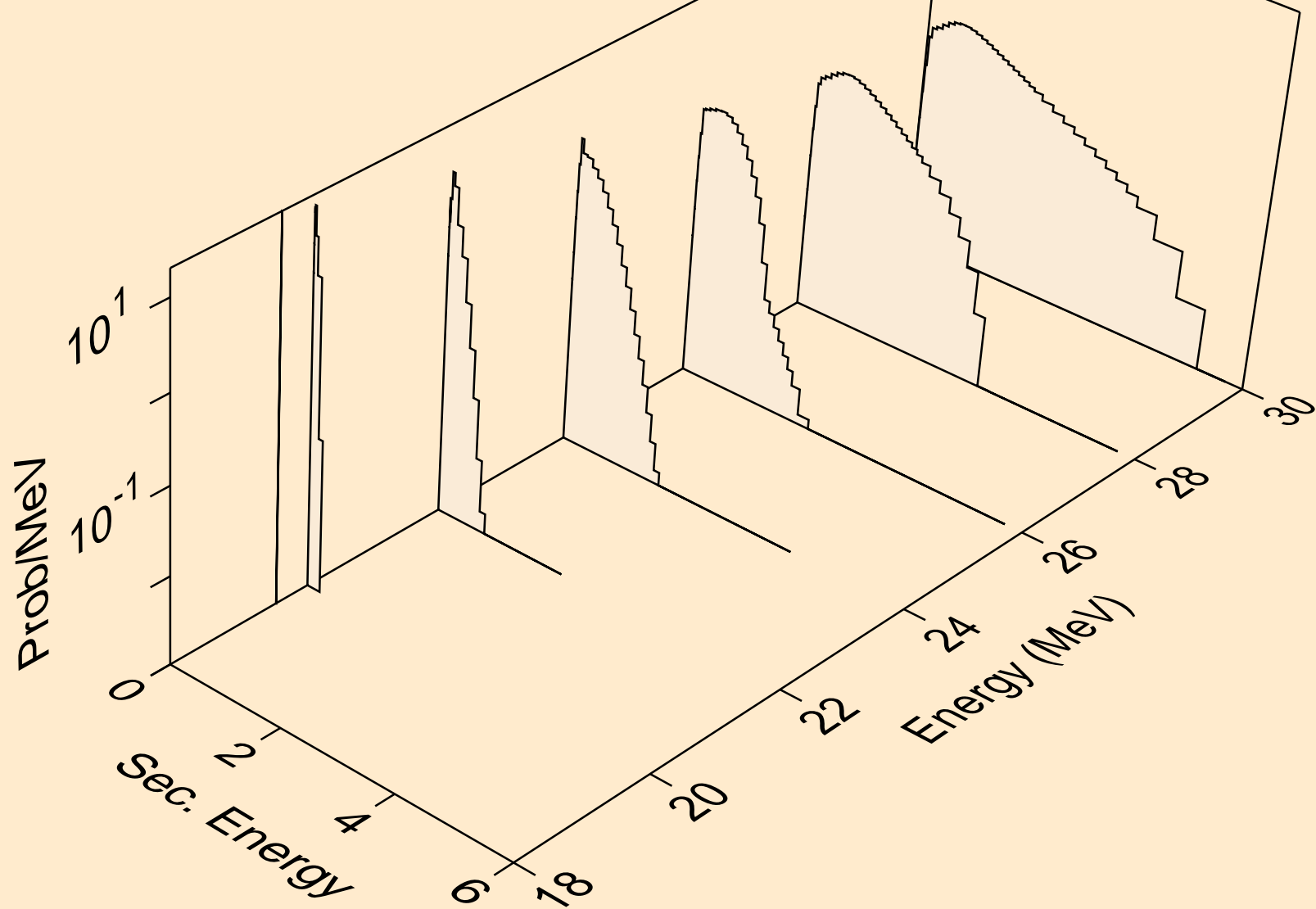
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)t



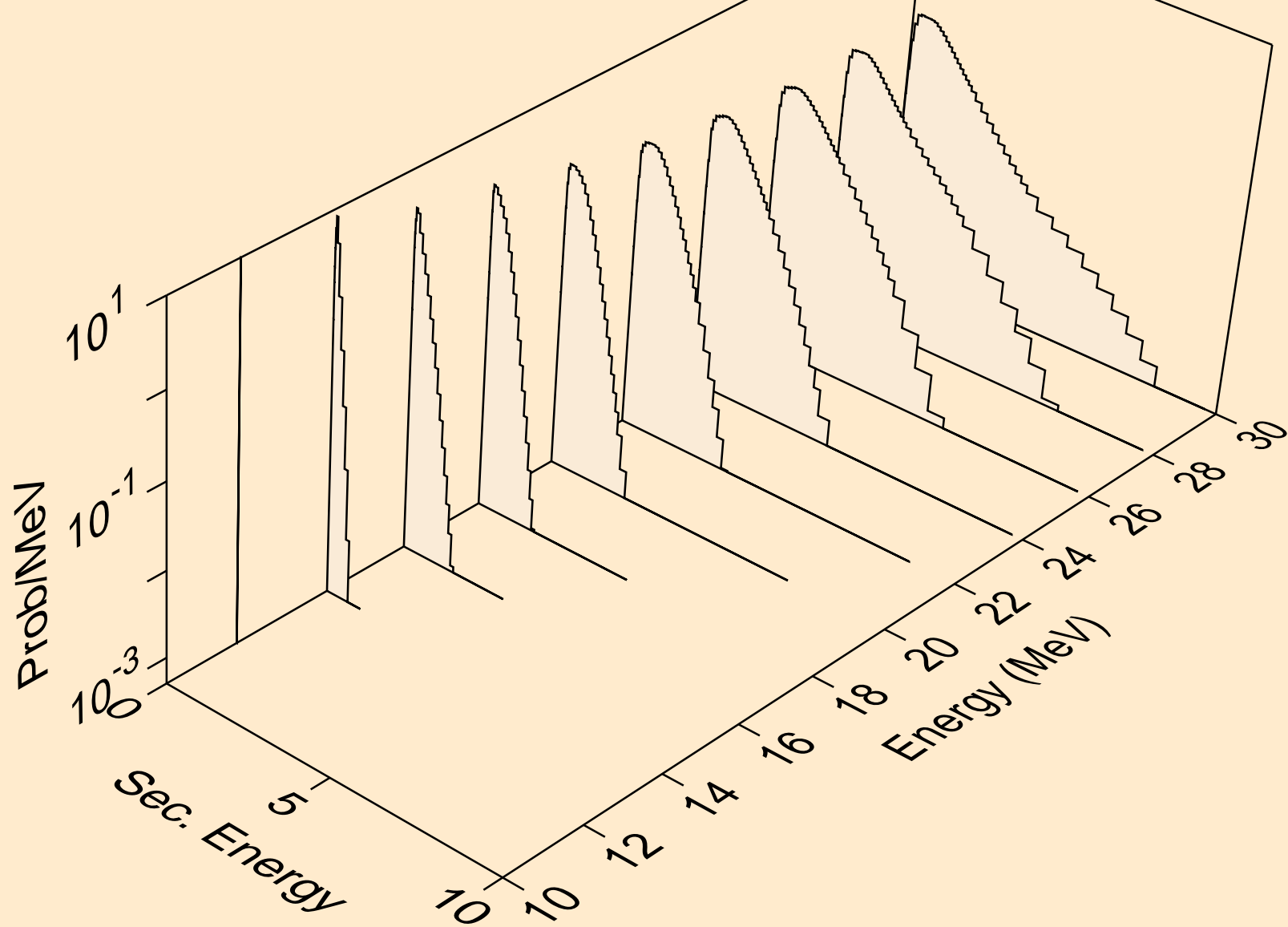
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,2np)

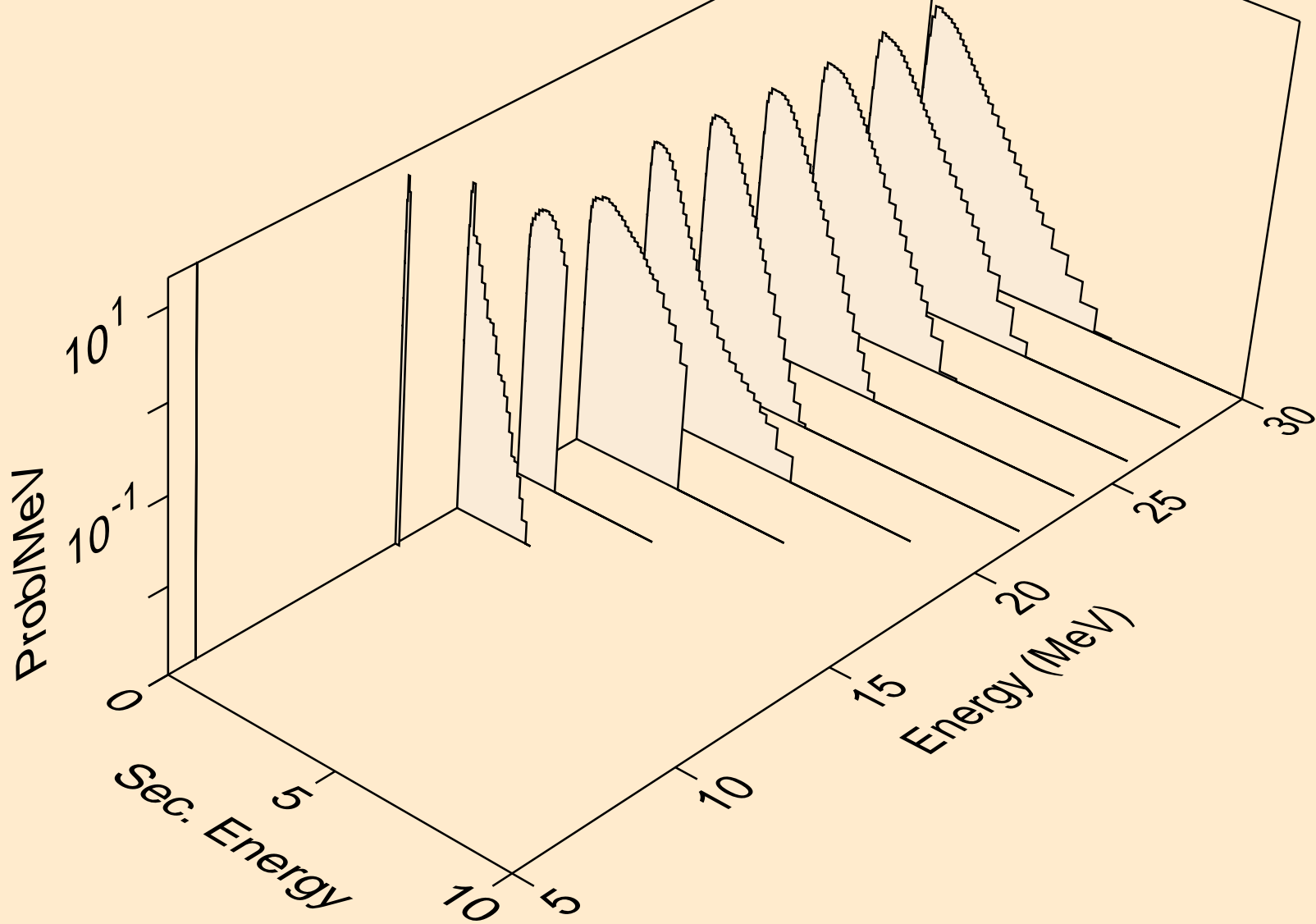


LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n2p)

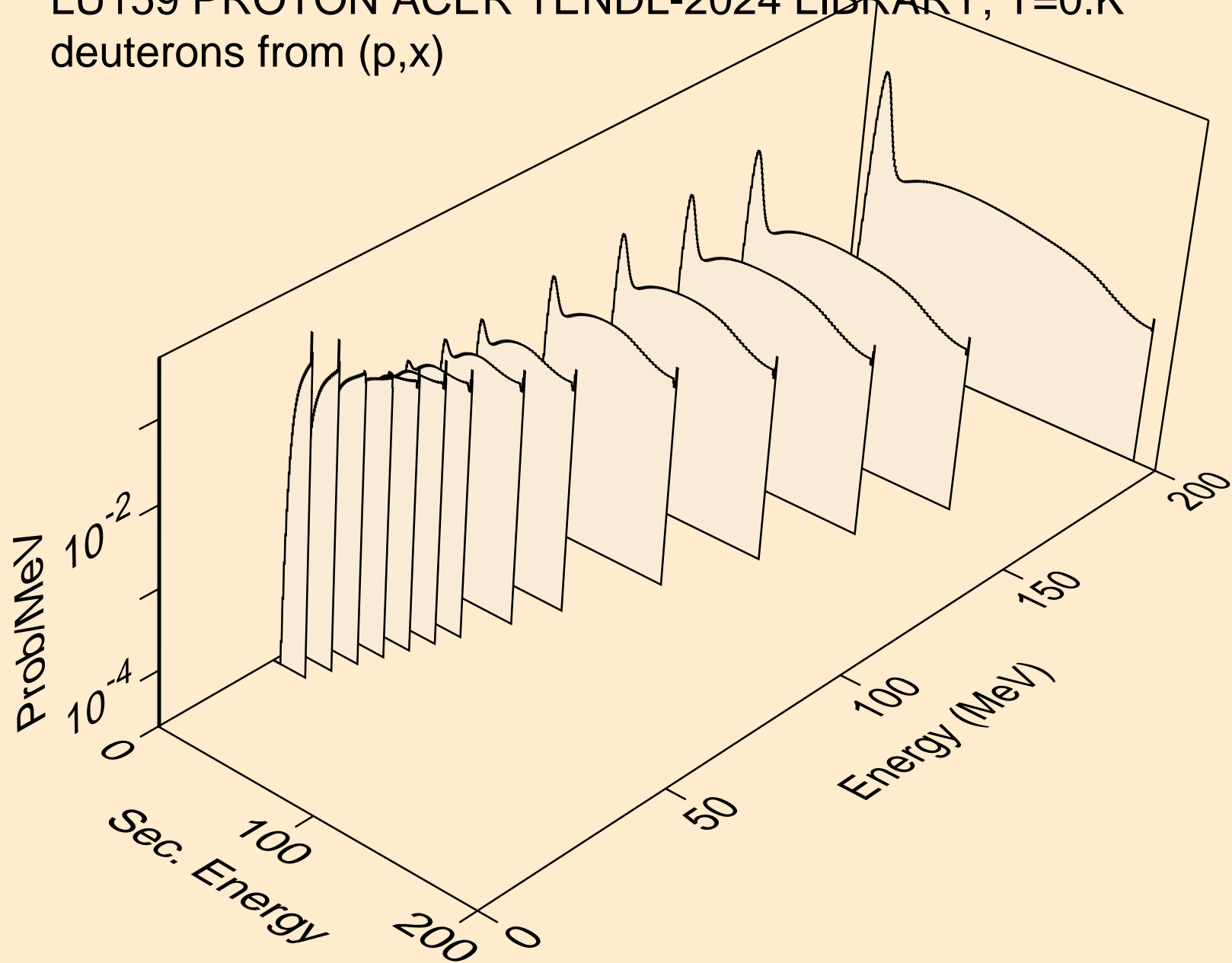




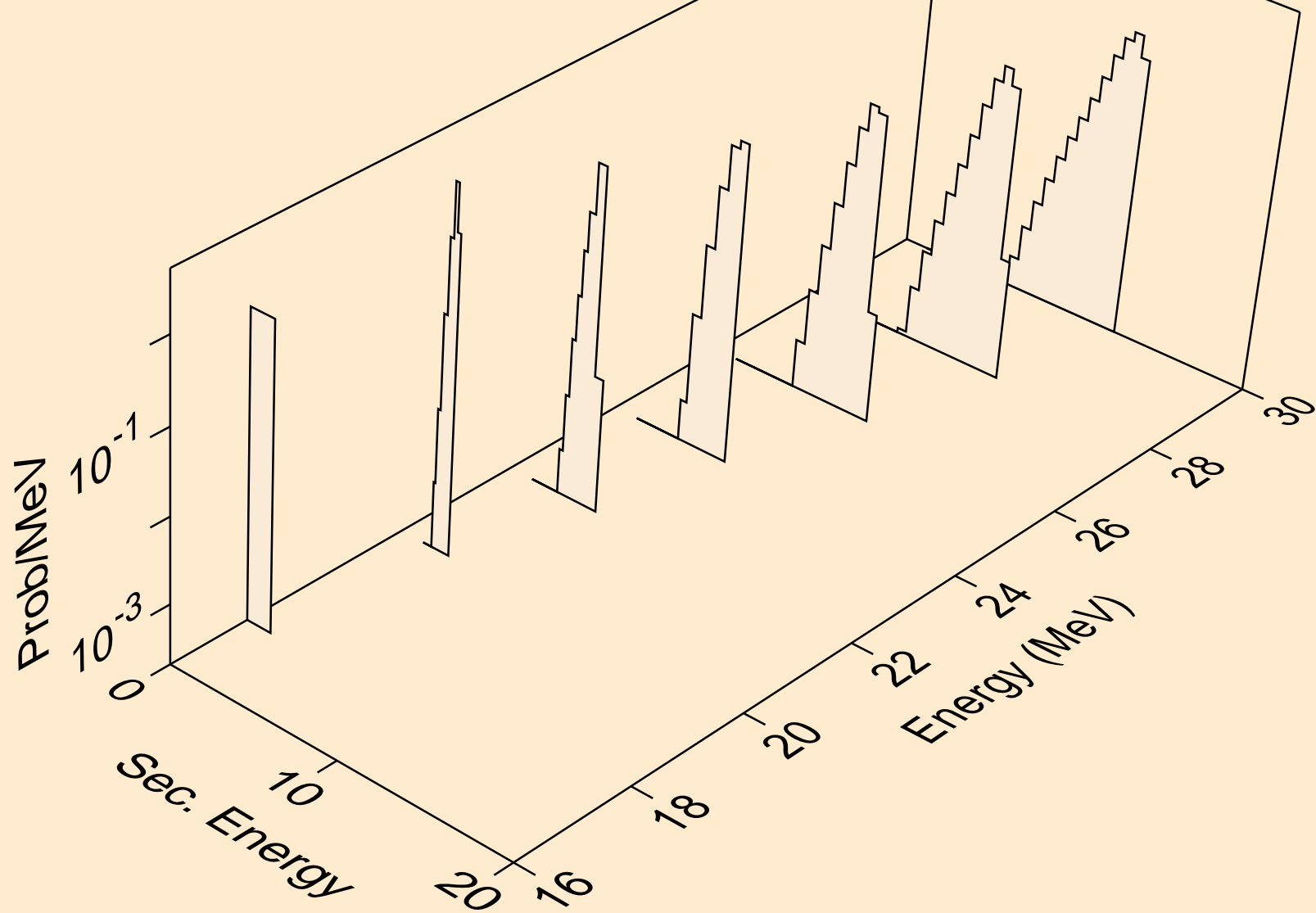
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,npa)



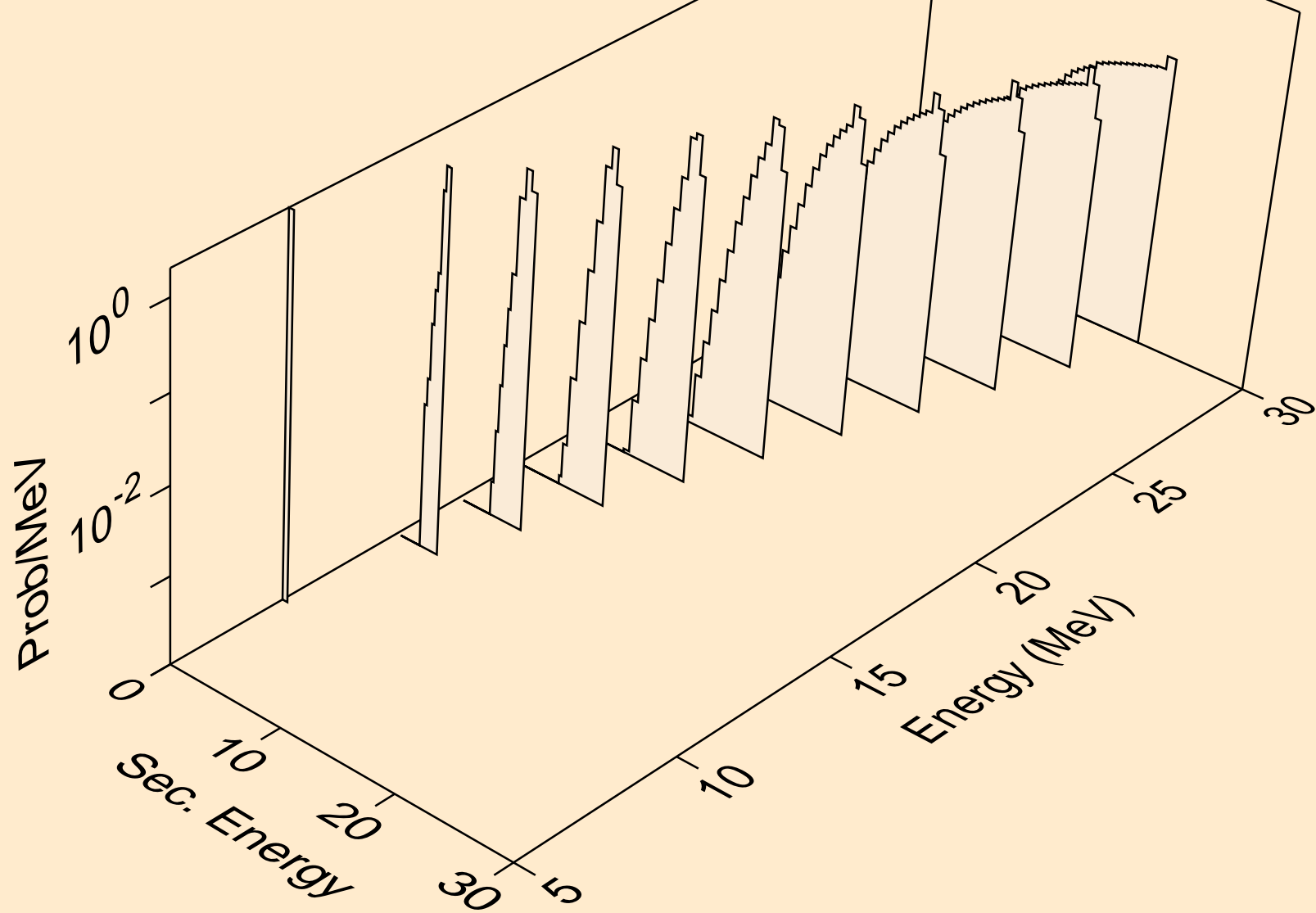
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,x)



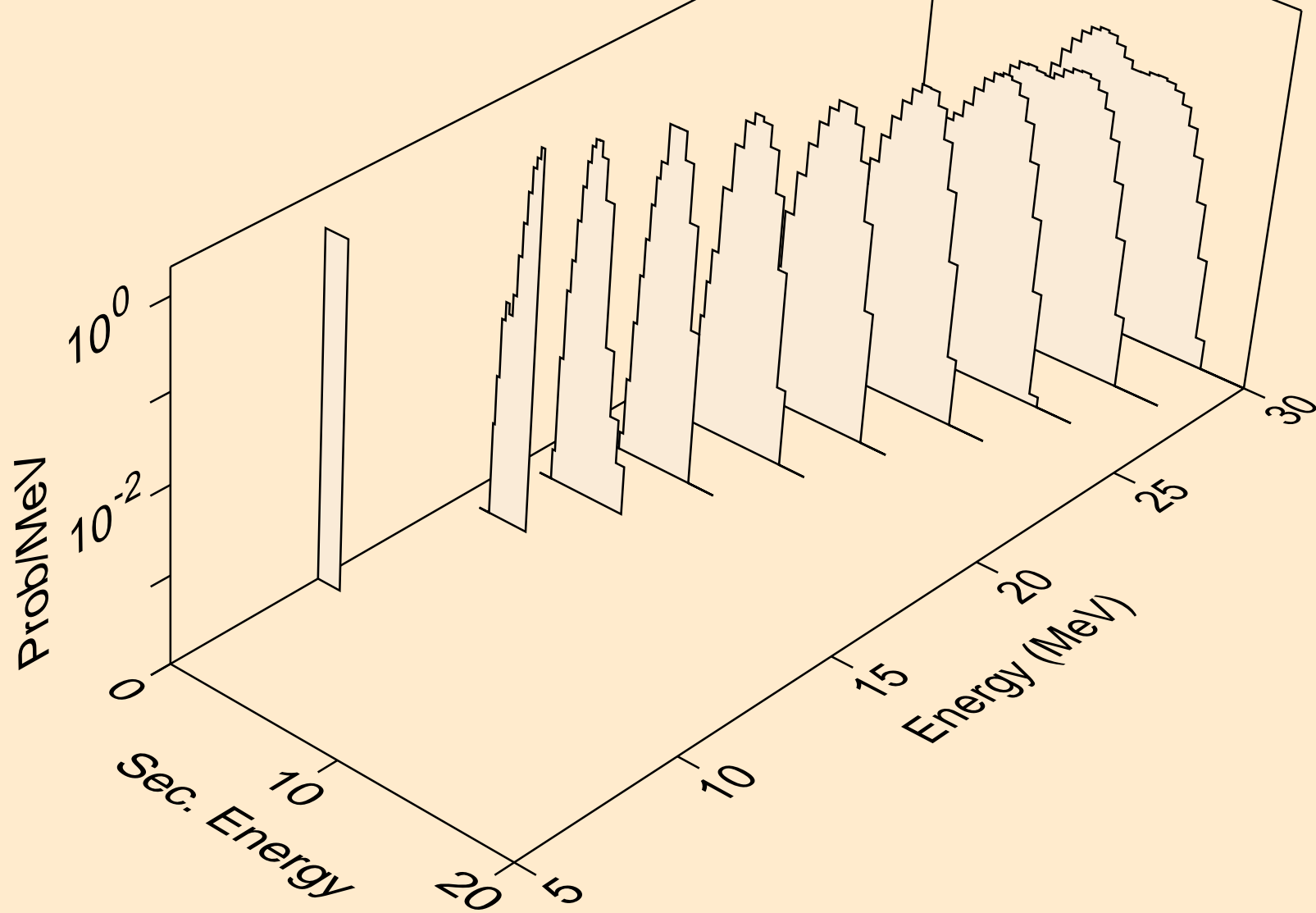
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,n\*)d



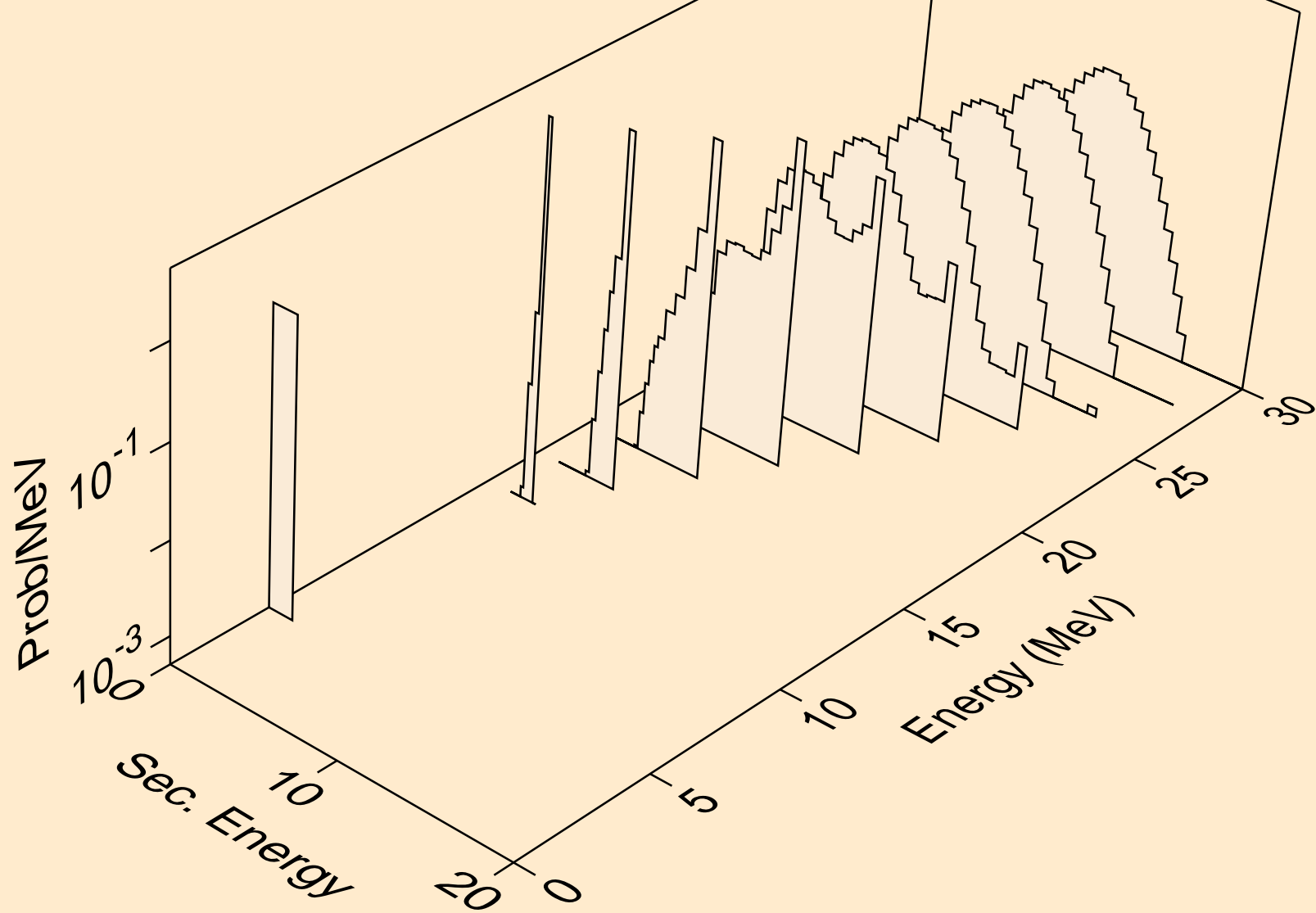
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,d)



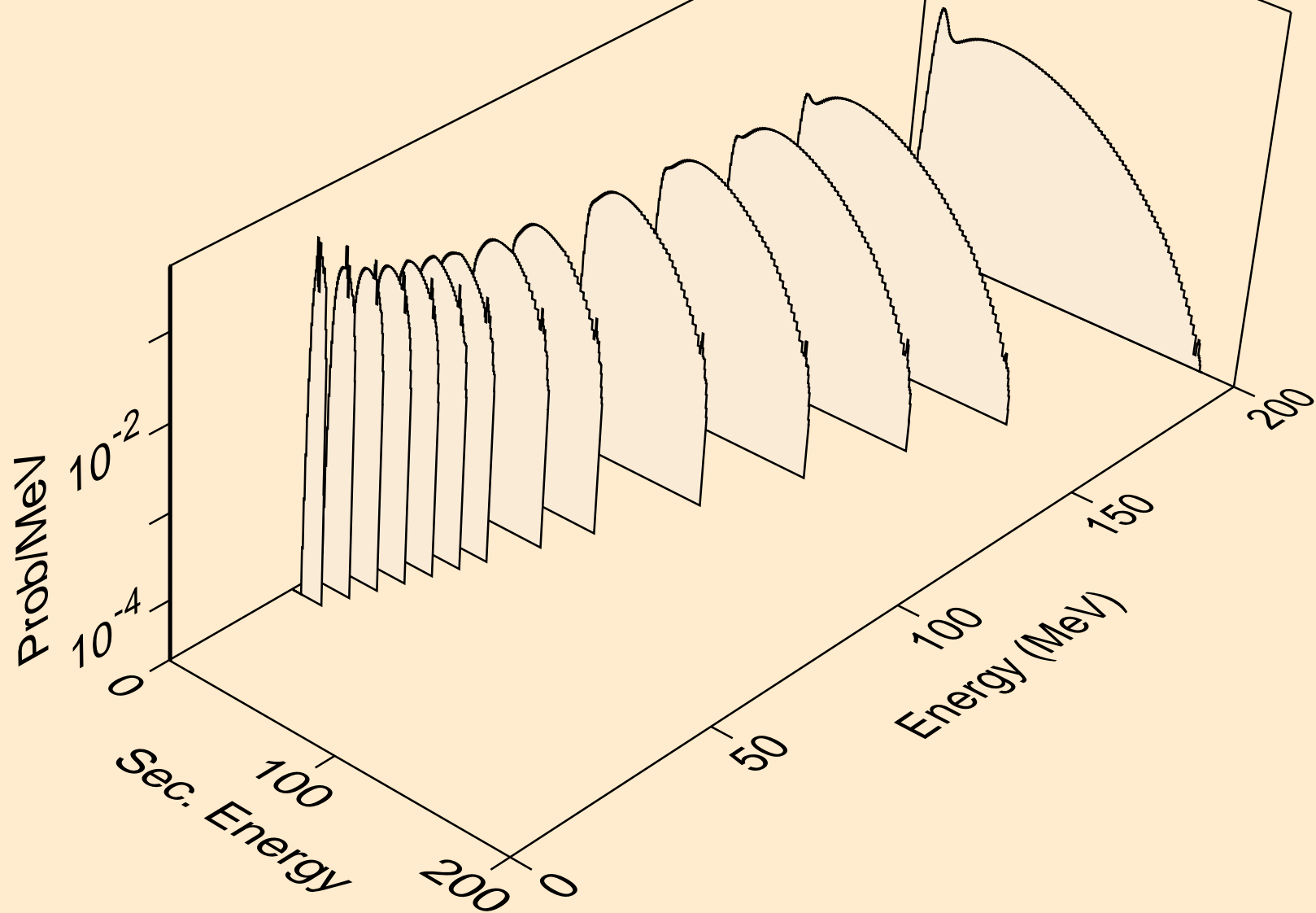
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,pd)



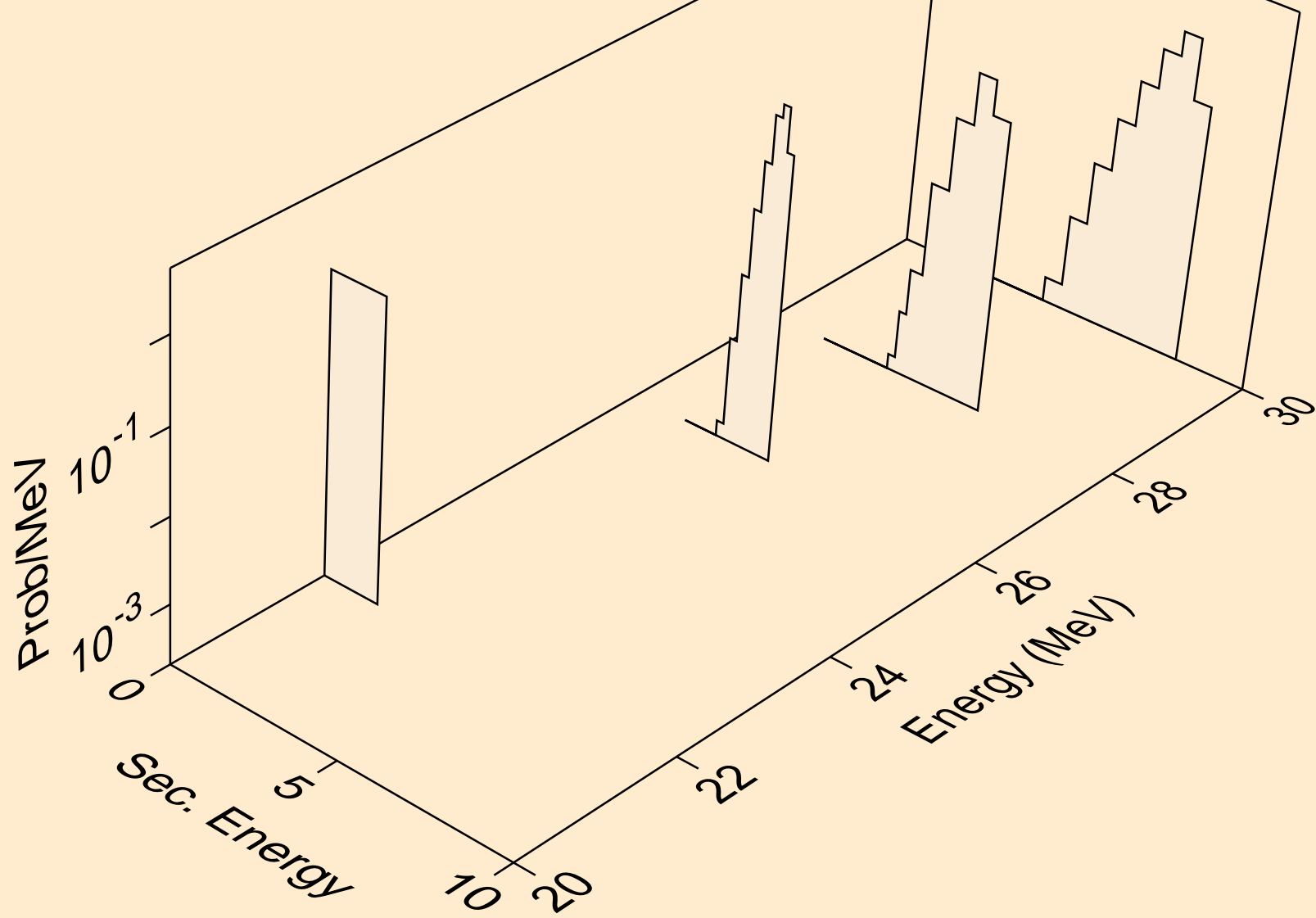
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,da)



LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (p,x)

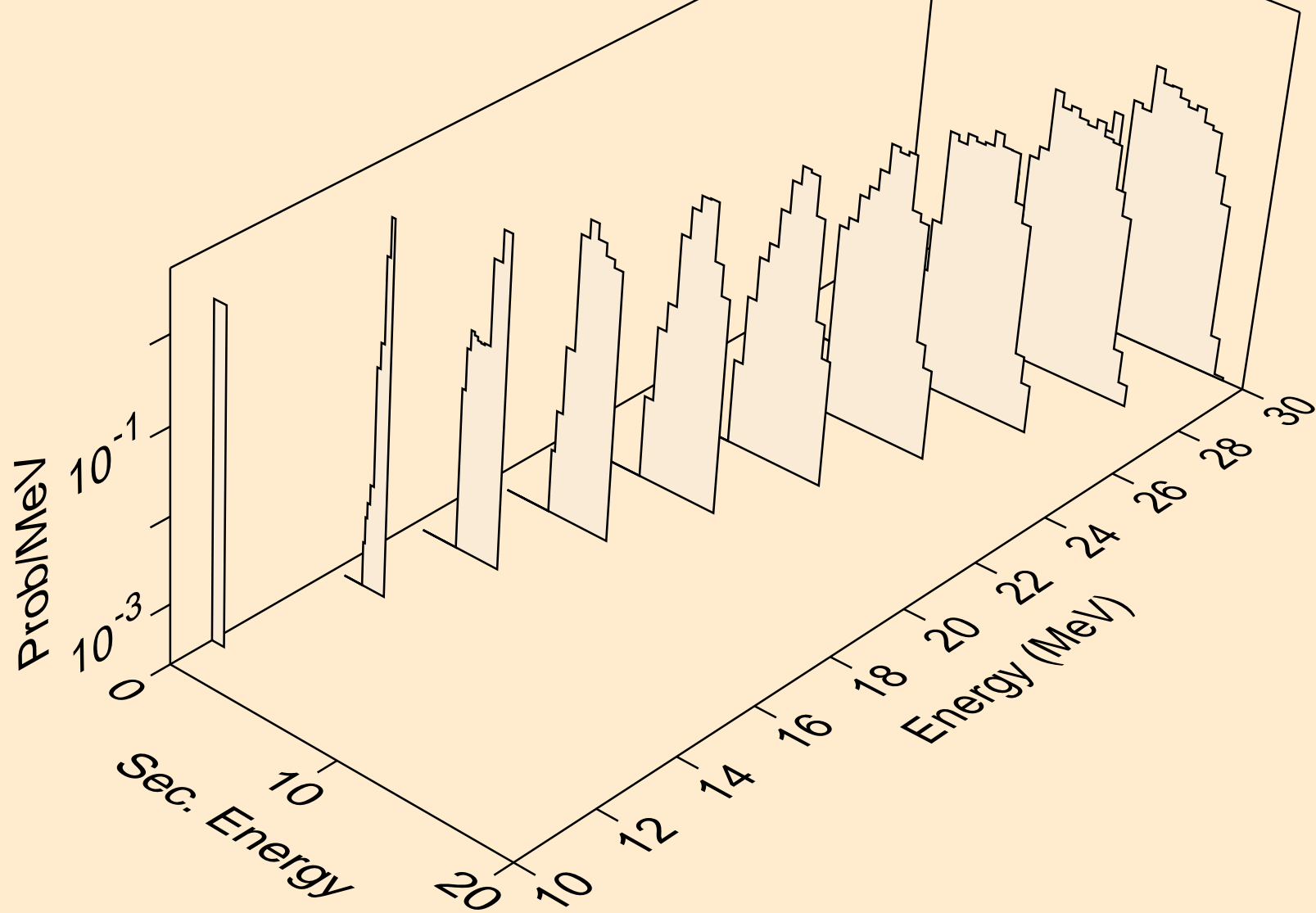


LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (p,n\*)t

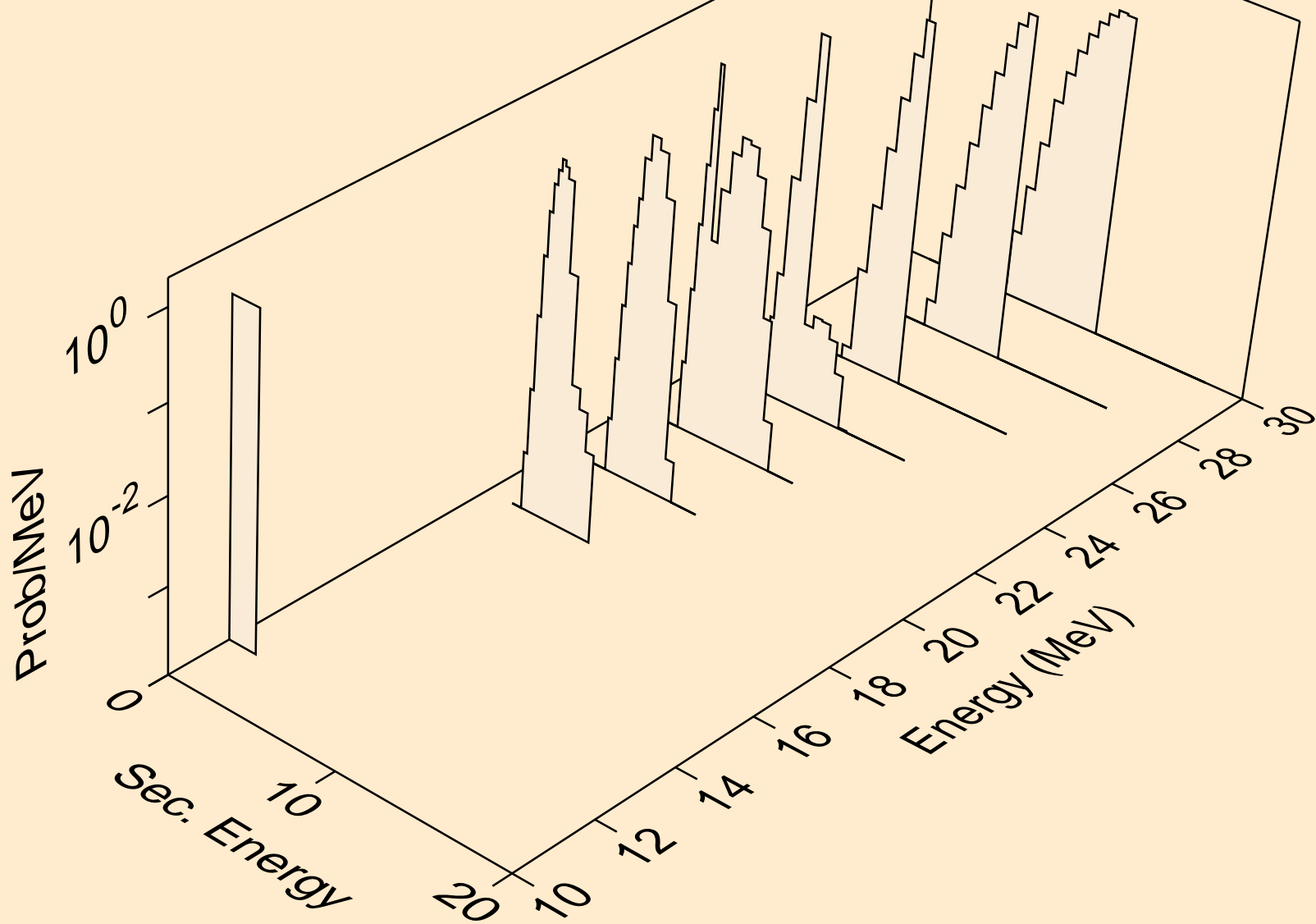




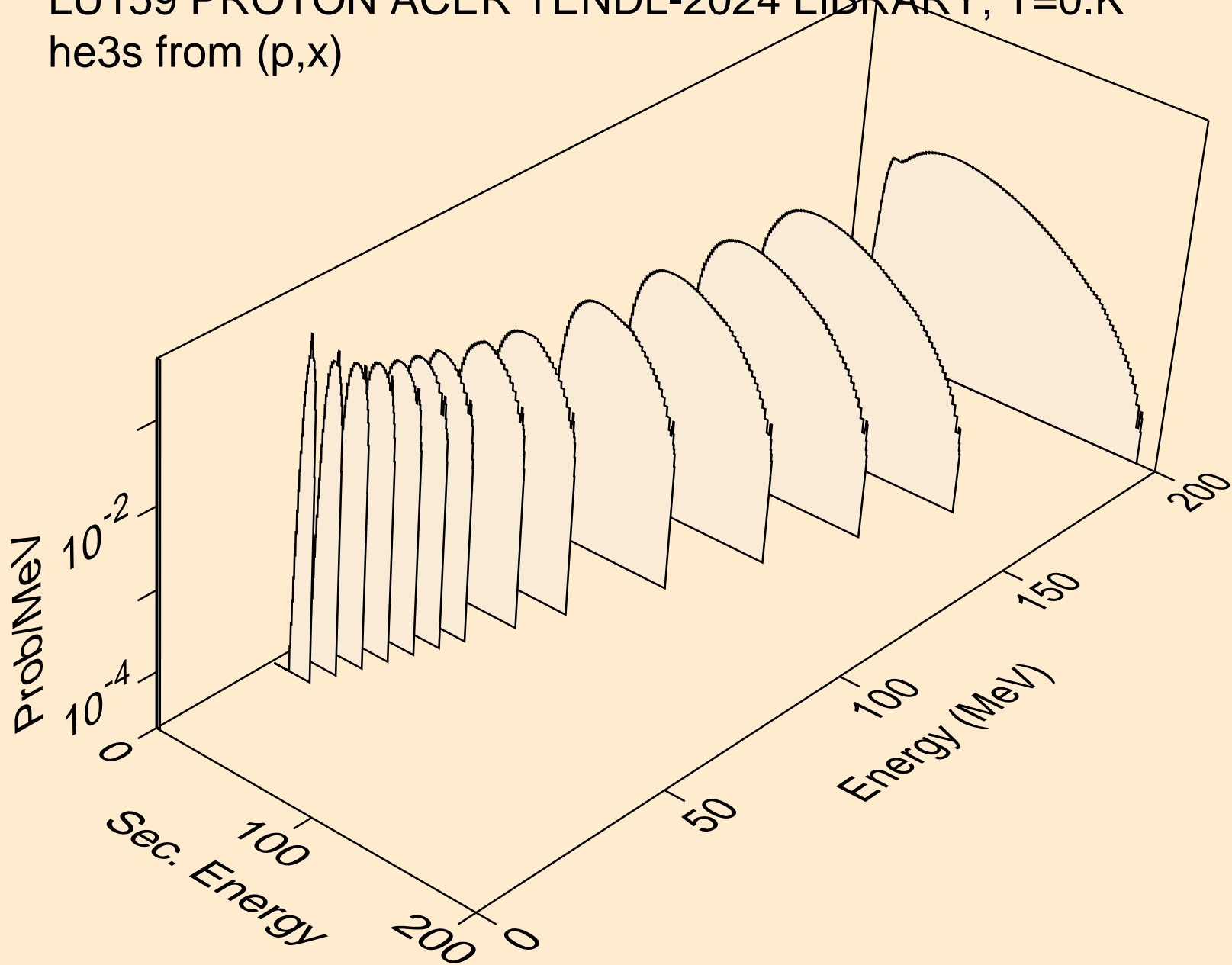
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (p,t)



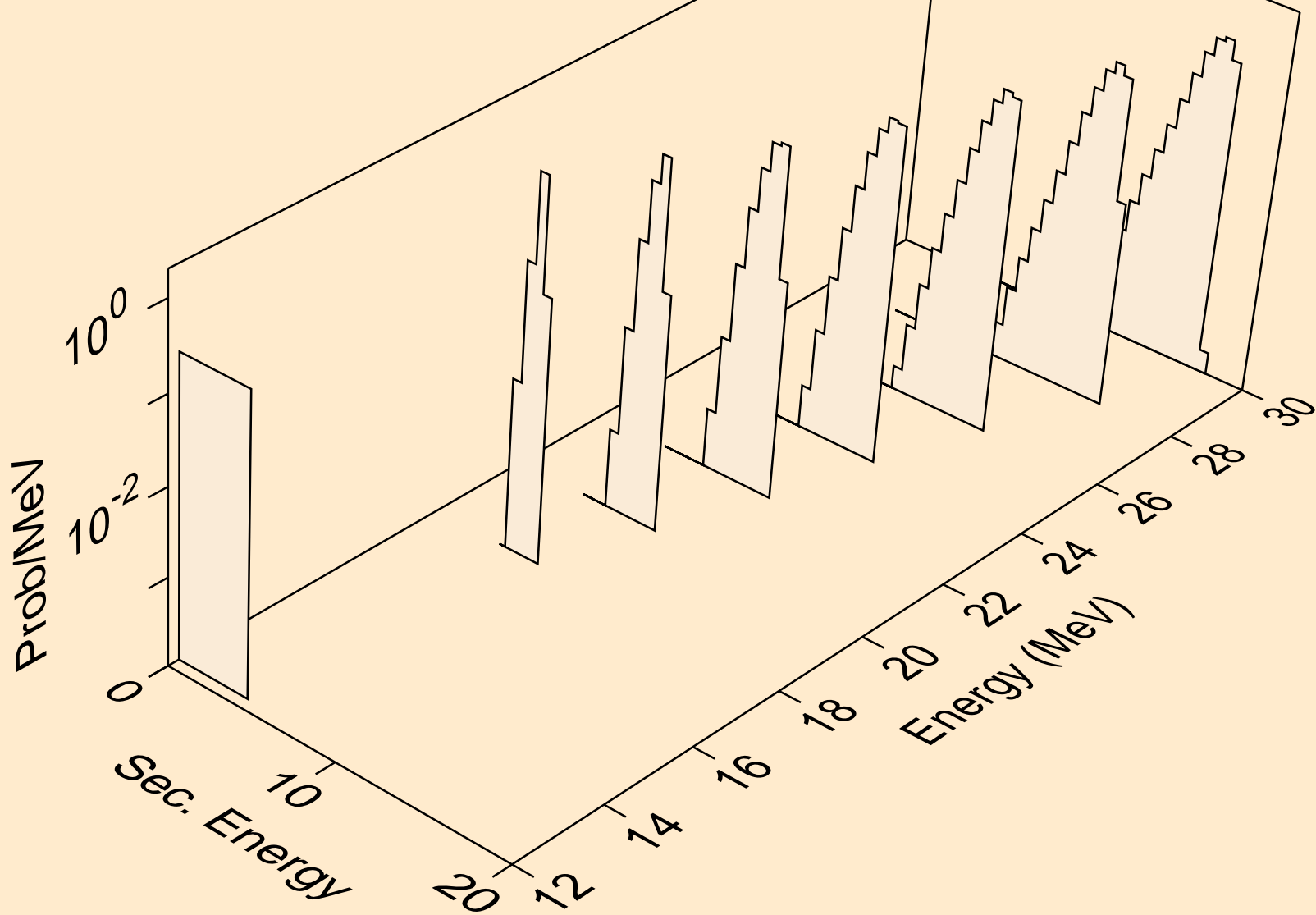
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (p,pt)



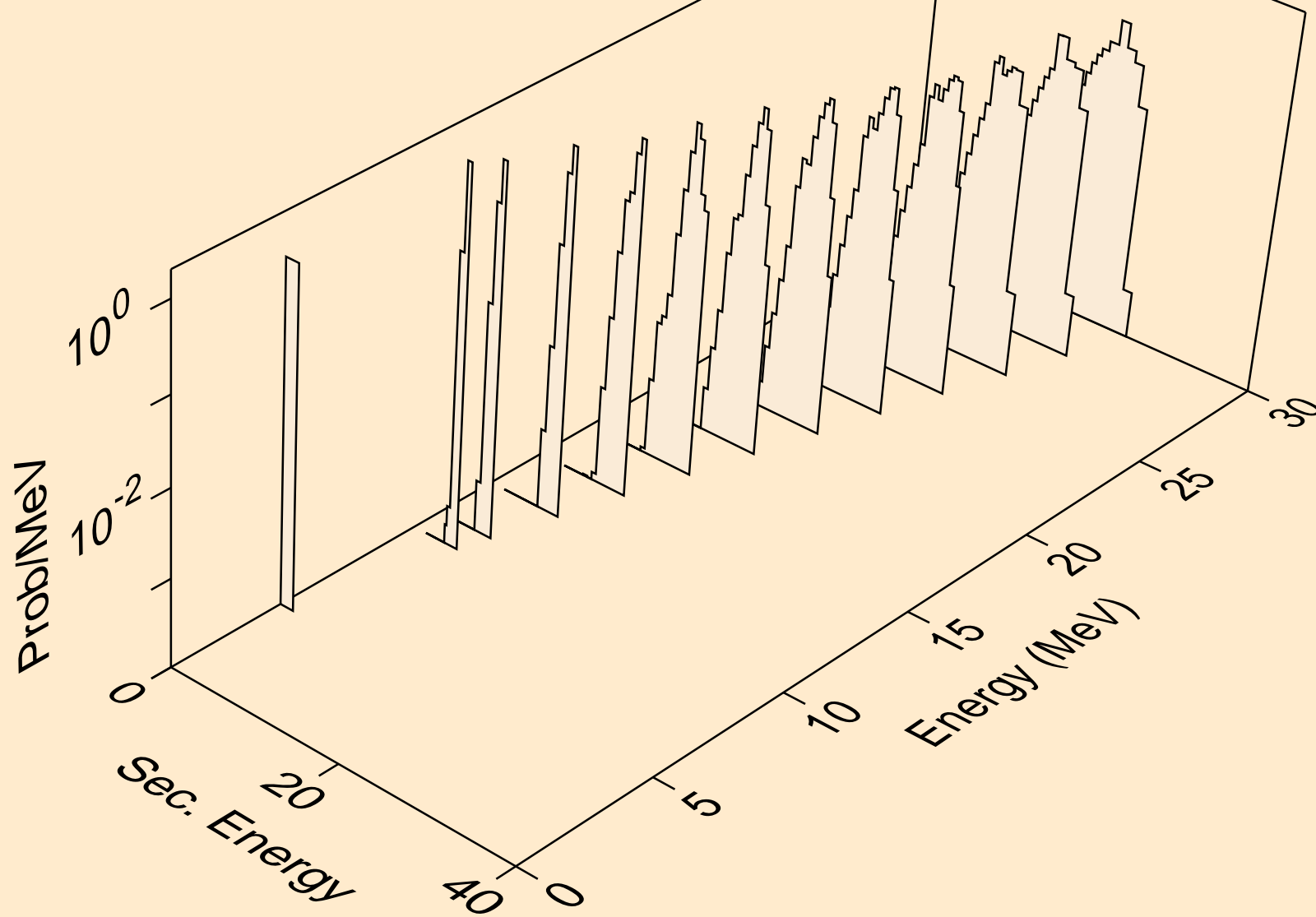
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (p,x)



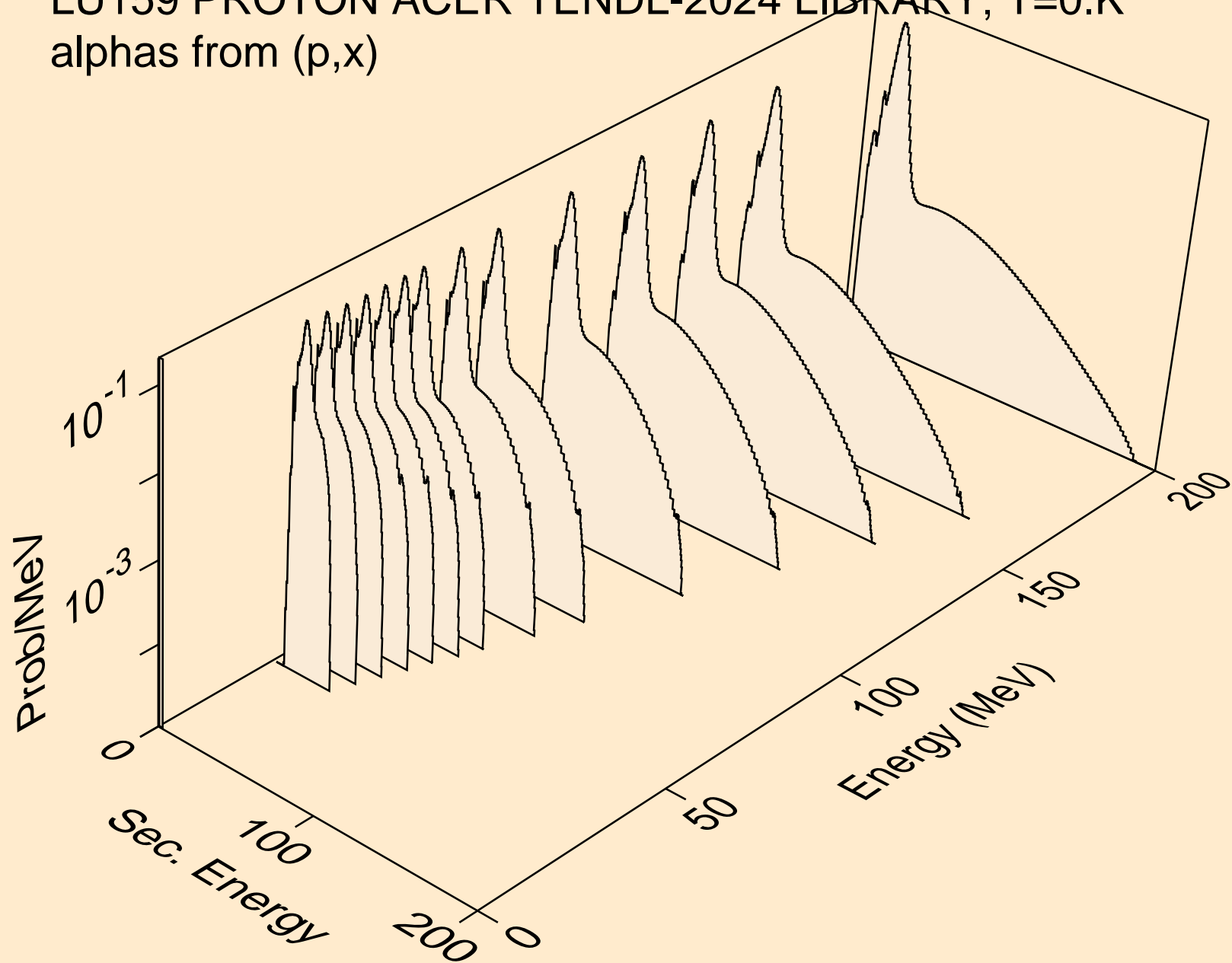
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (p,n\*)he3



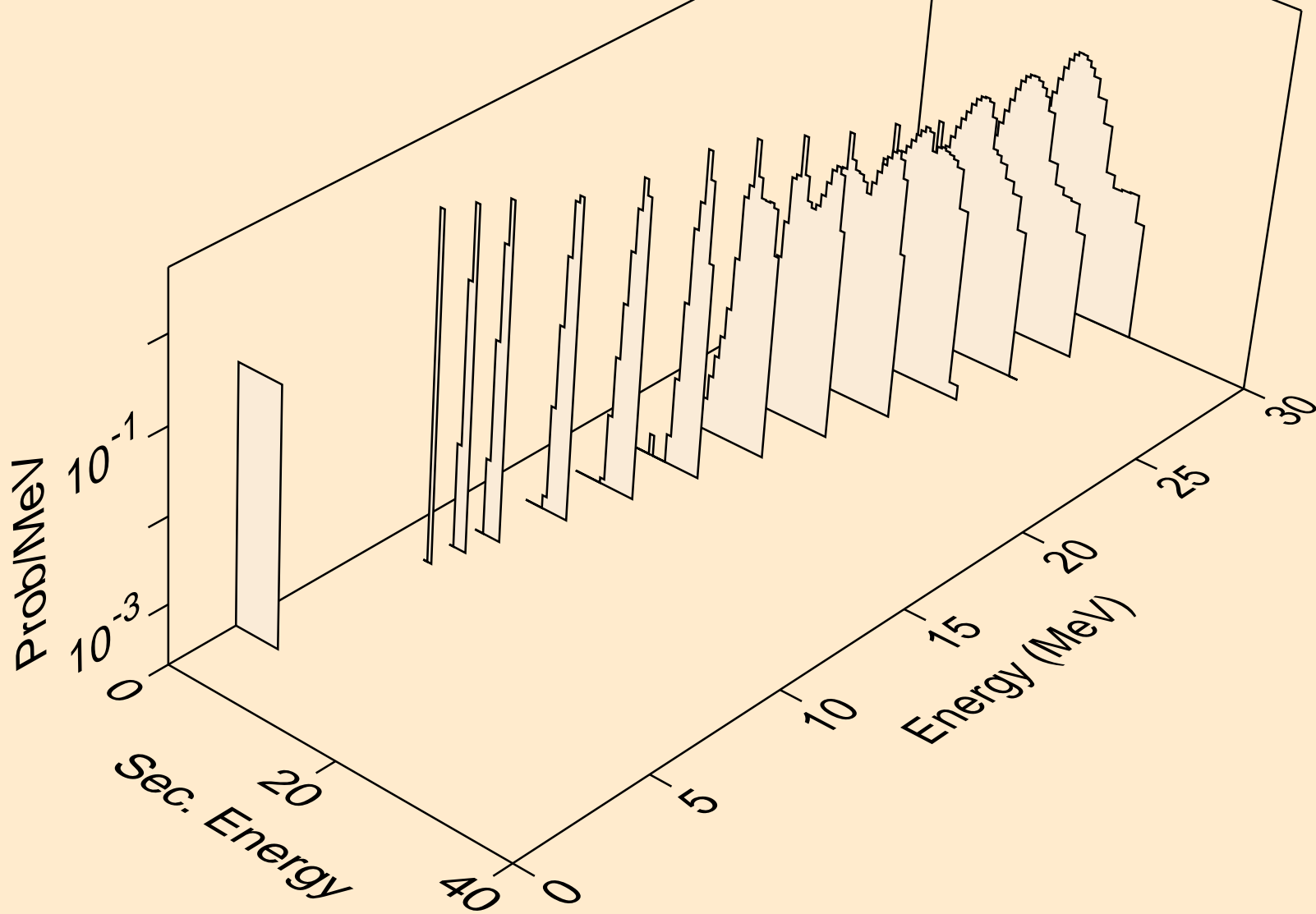
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (p,he3)



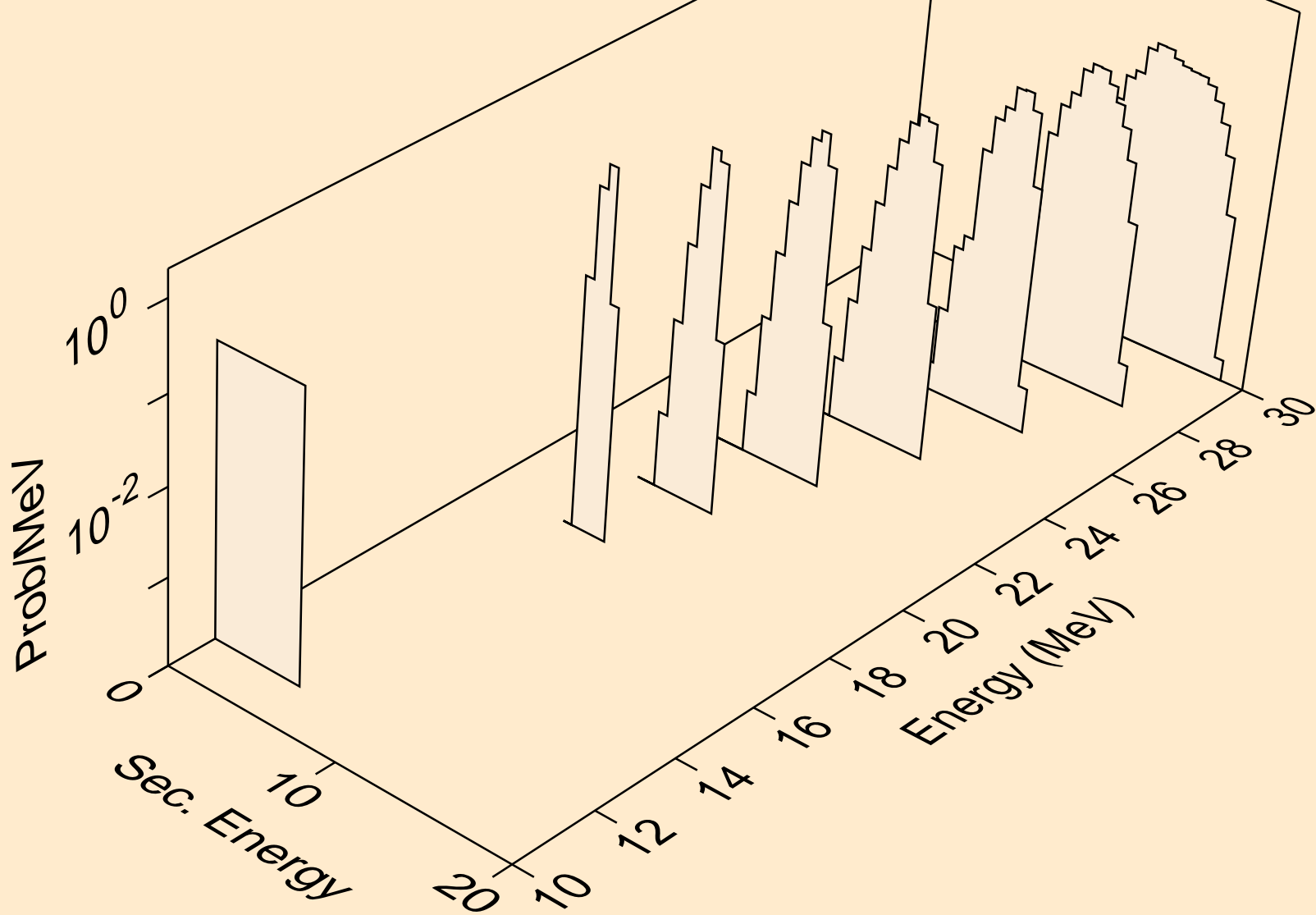
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,x)



LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,n\*)a

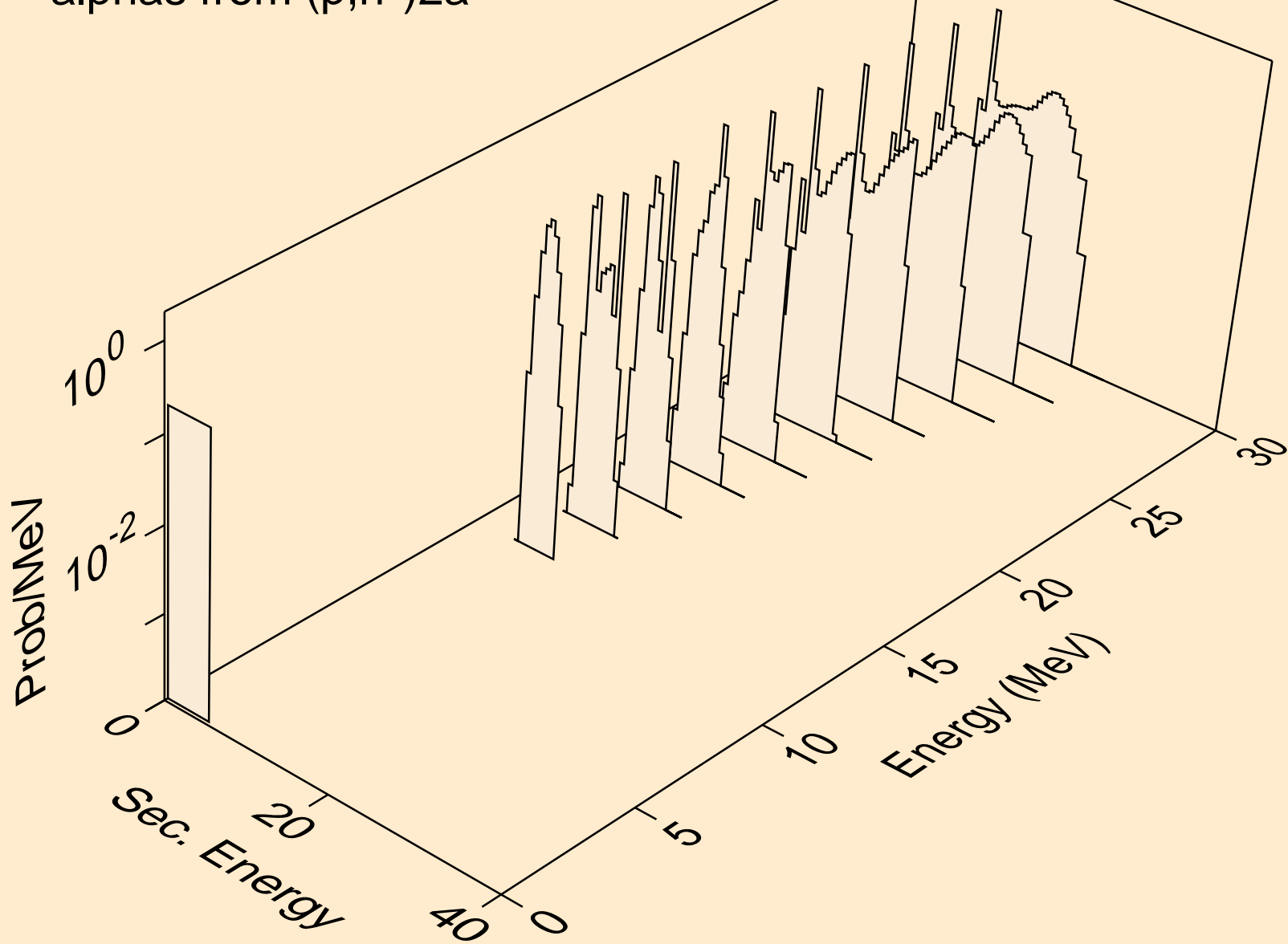


LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,2n)a

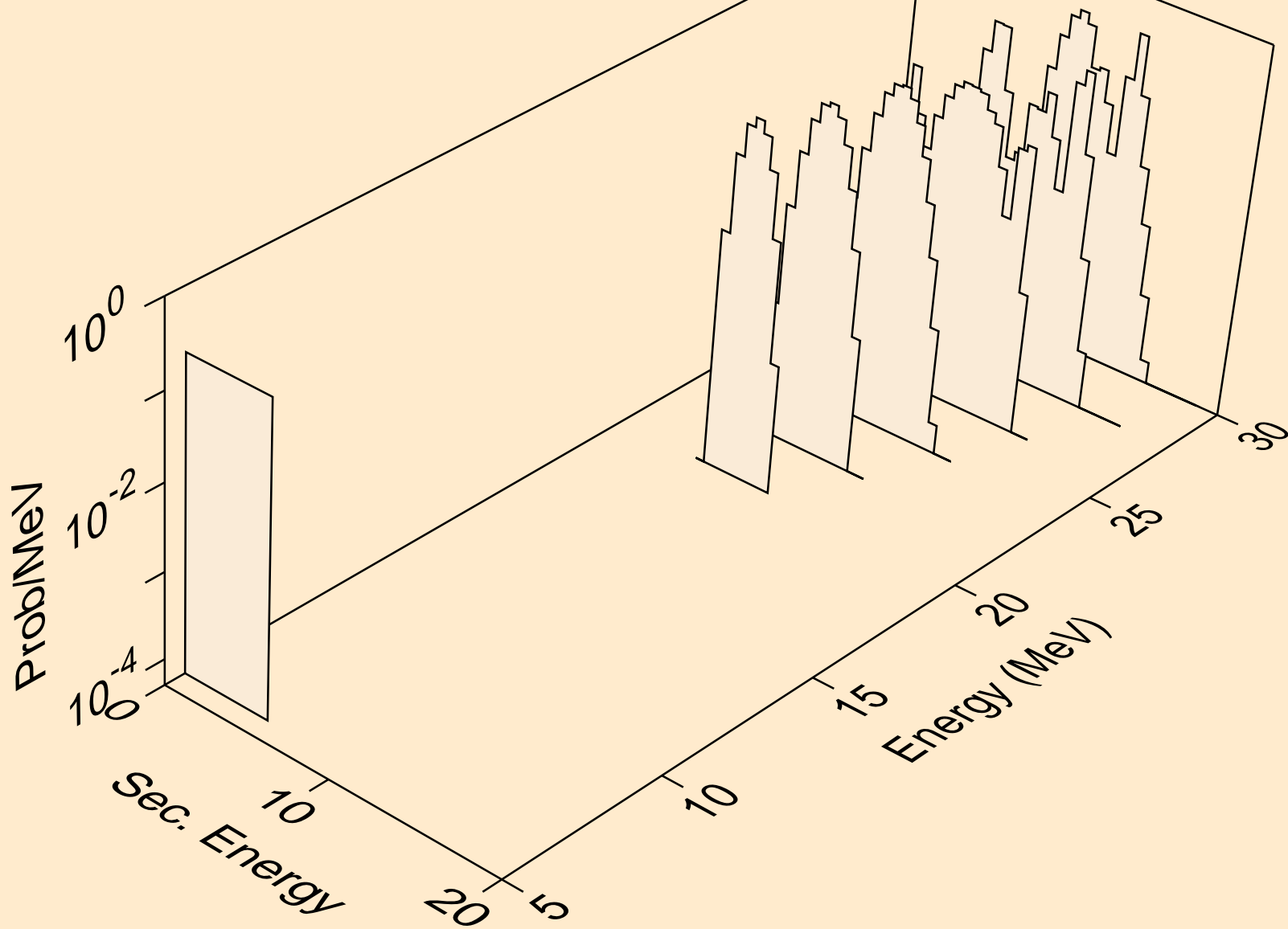




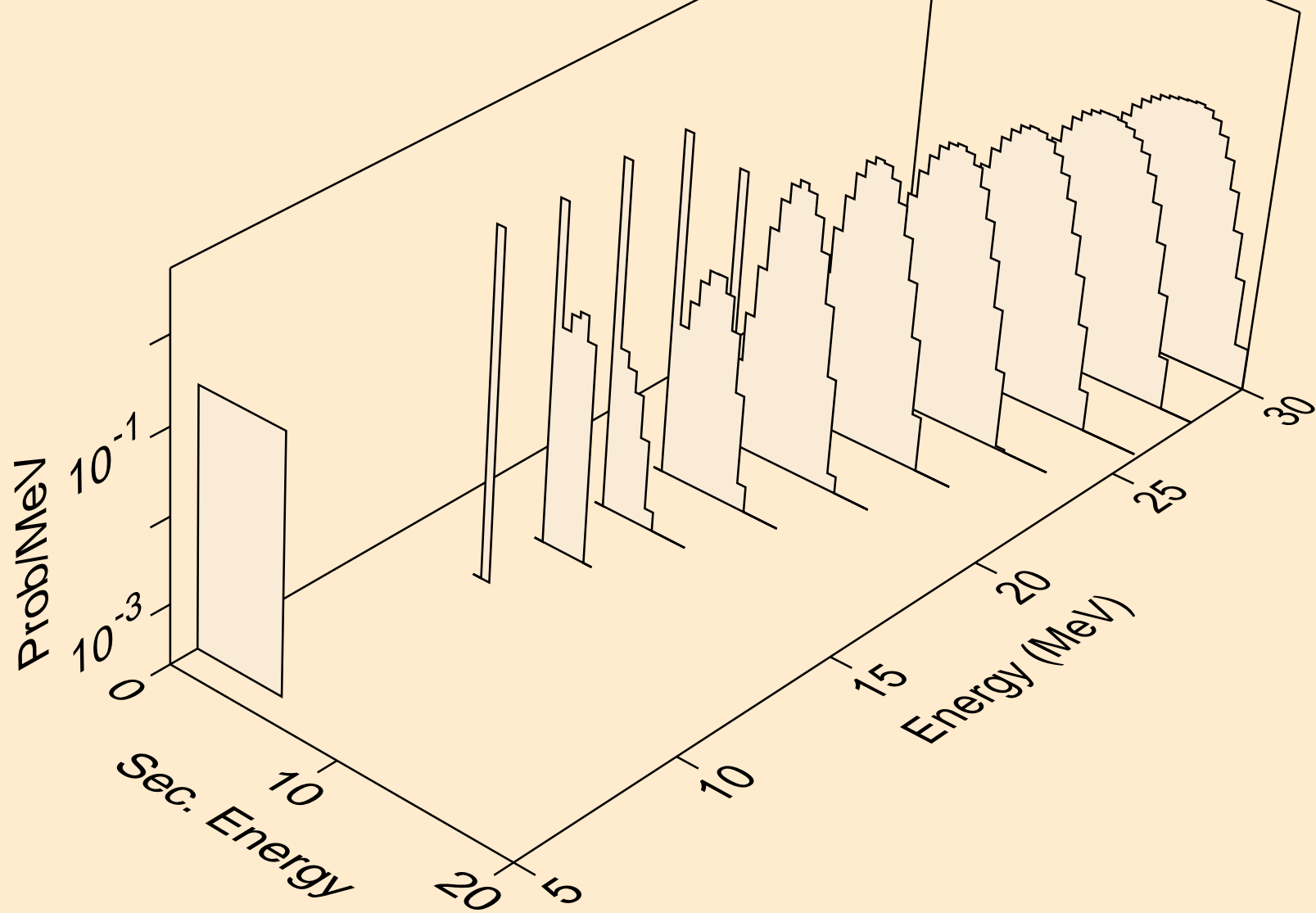
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,n\*)2a



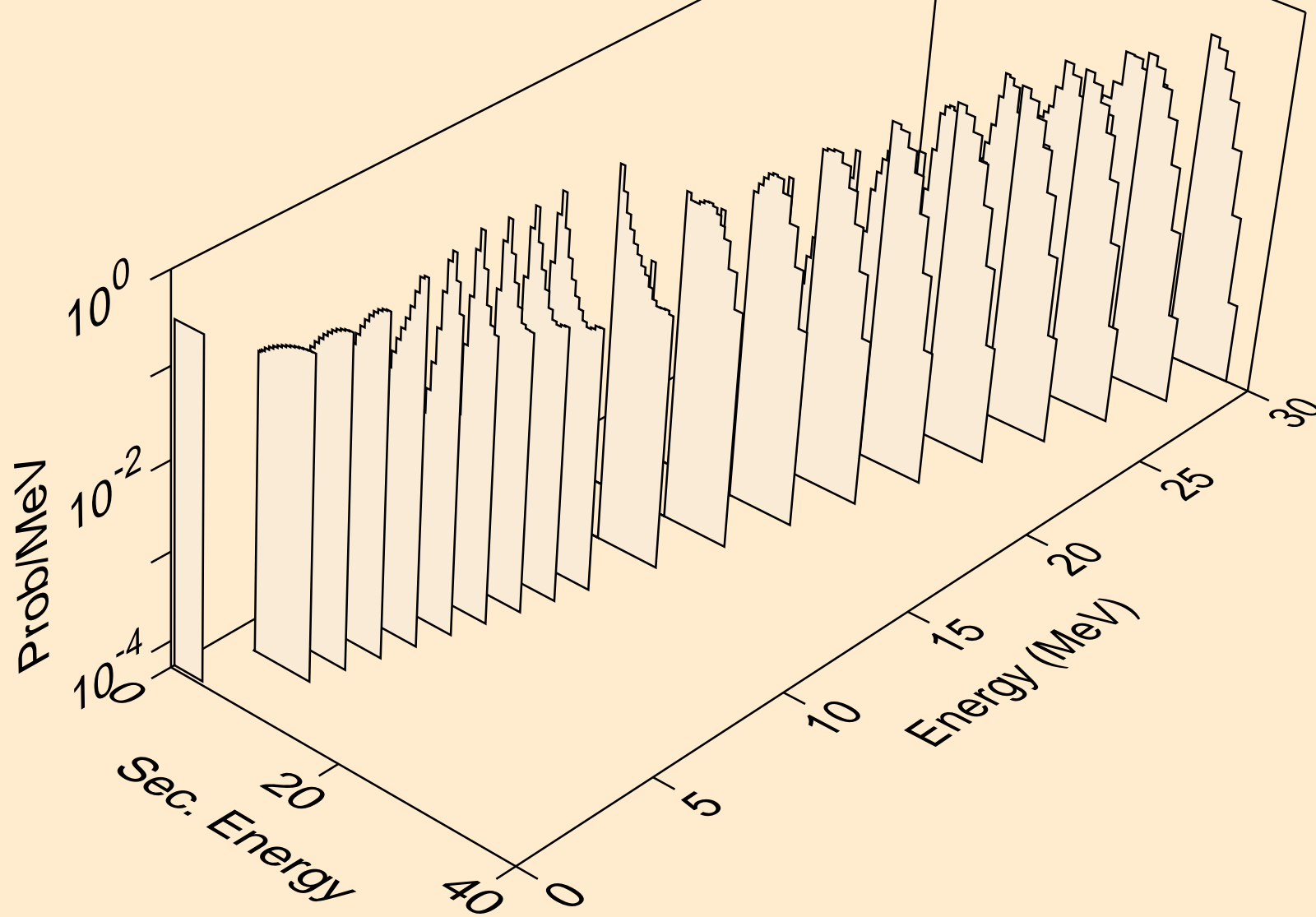
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,2n)2a



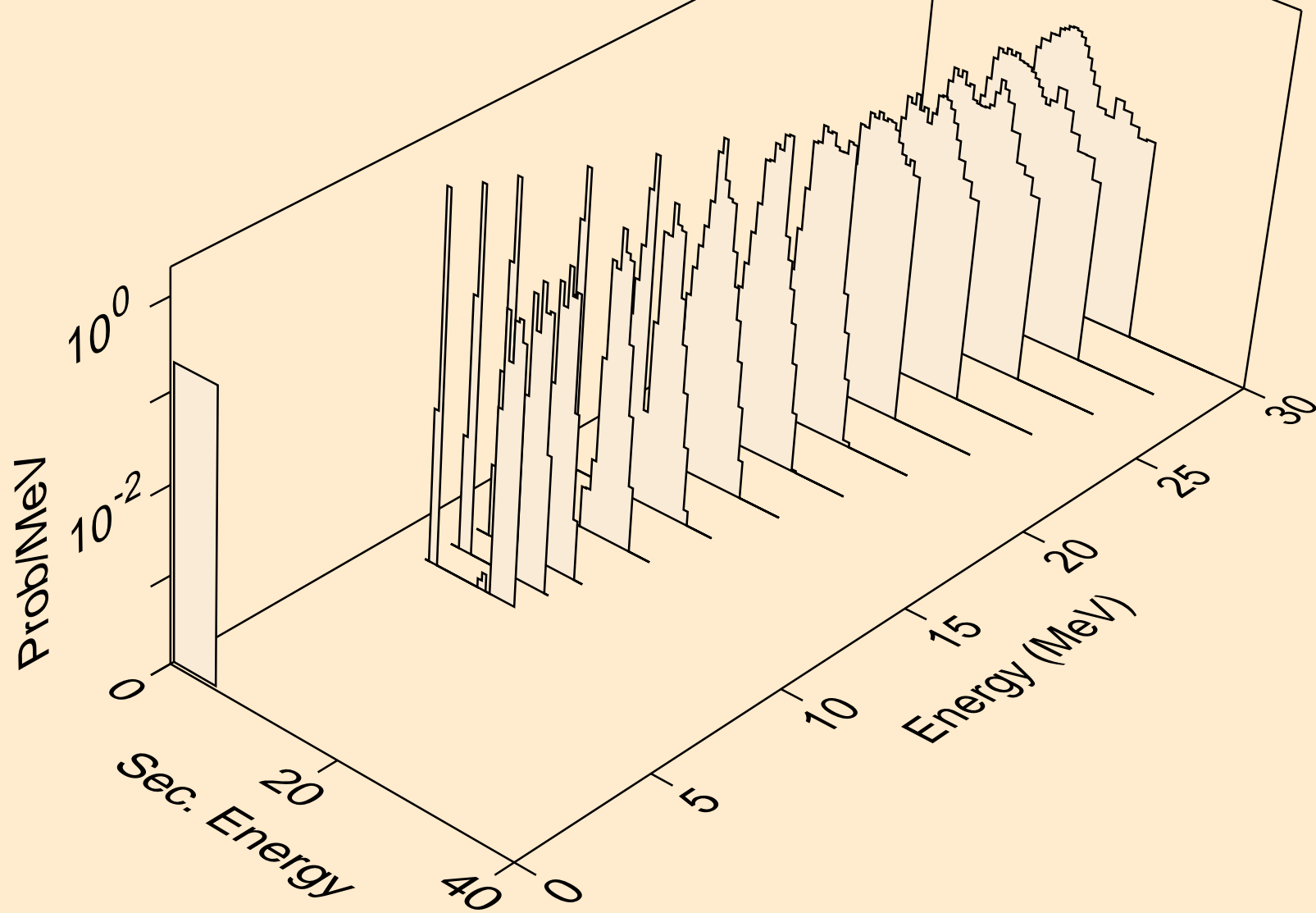
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,npa)



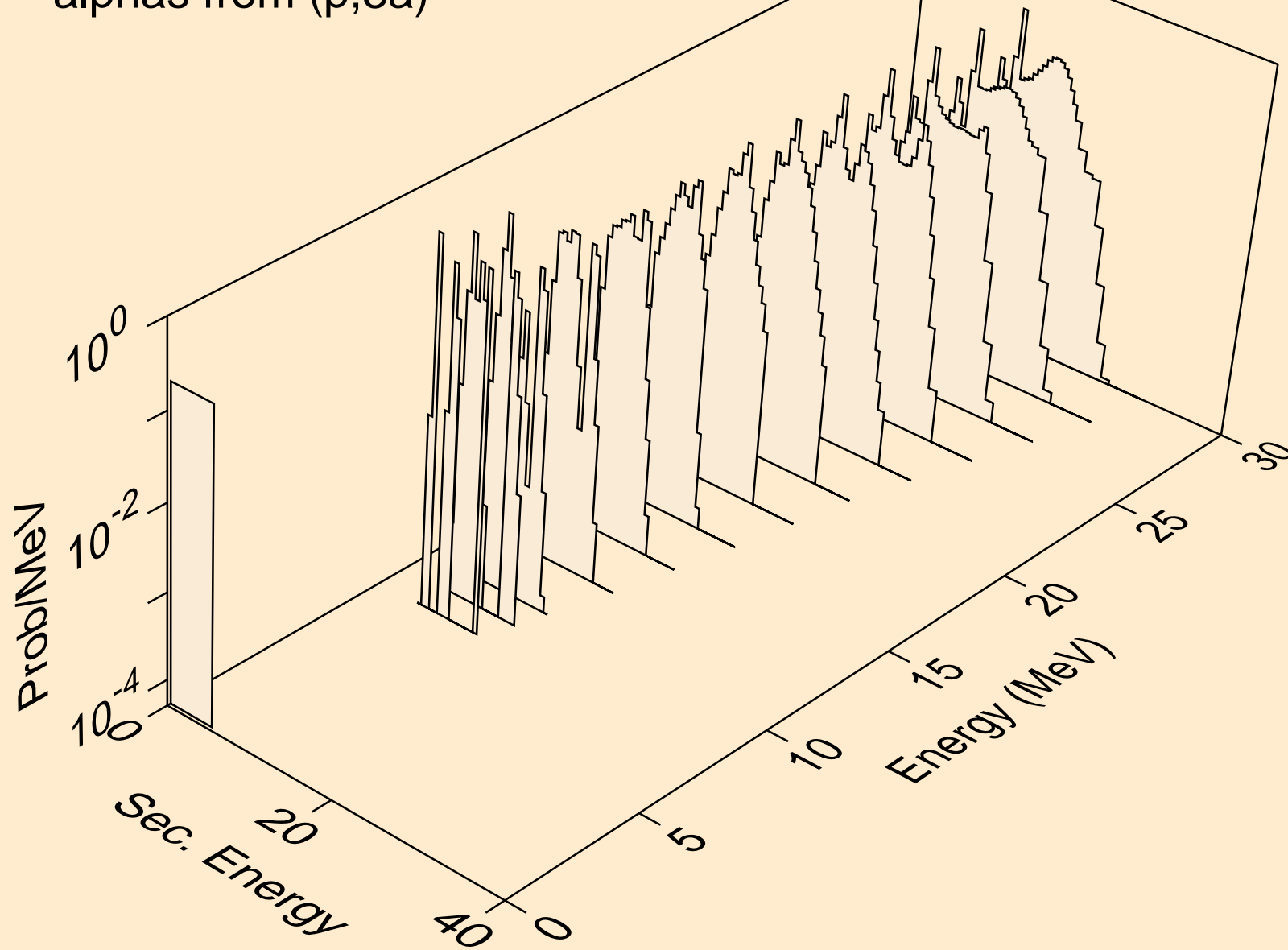
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,a)



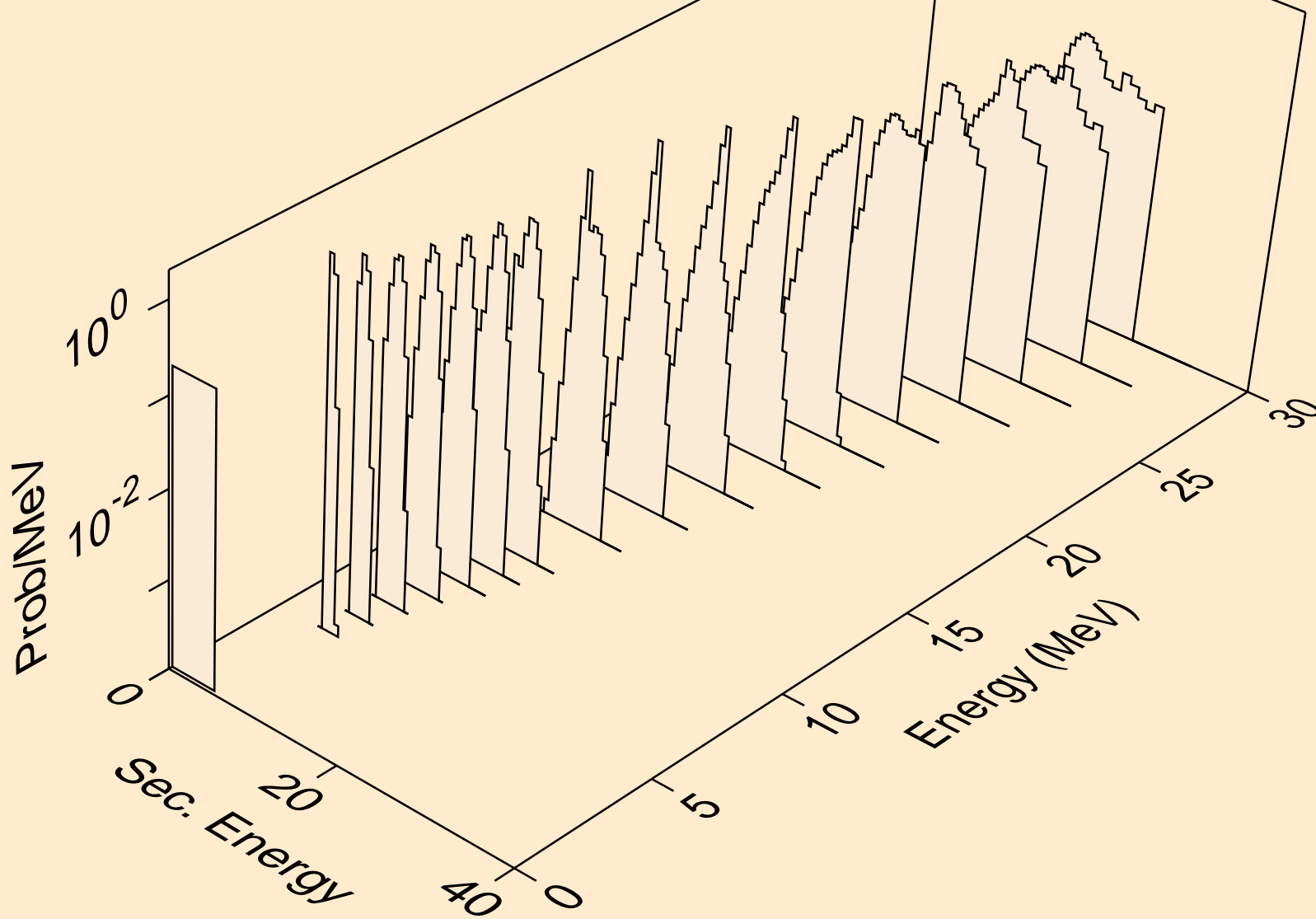
LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,2a)



LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,3a)



LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,pa)



LU159 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,da)

