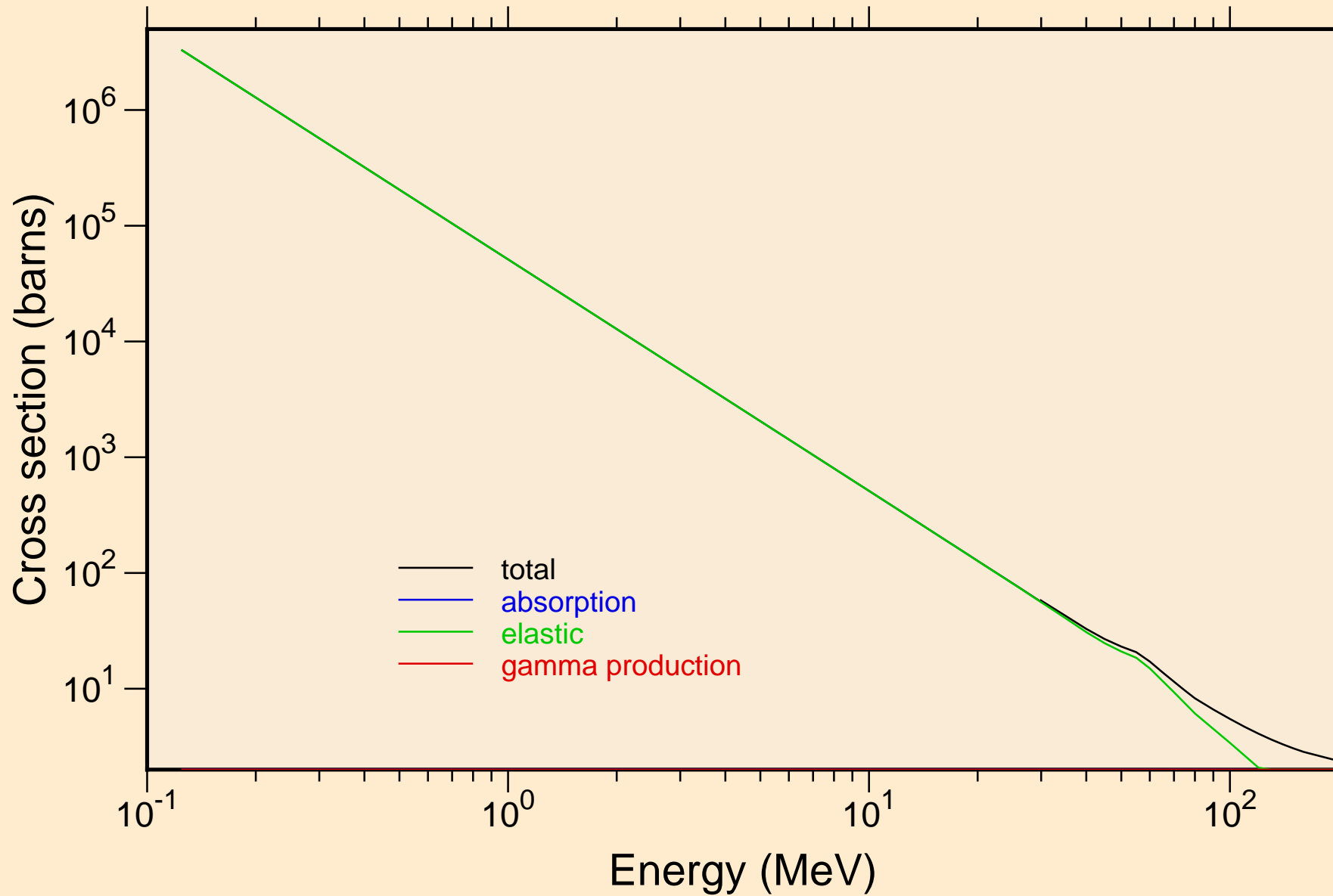
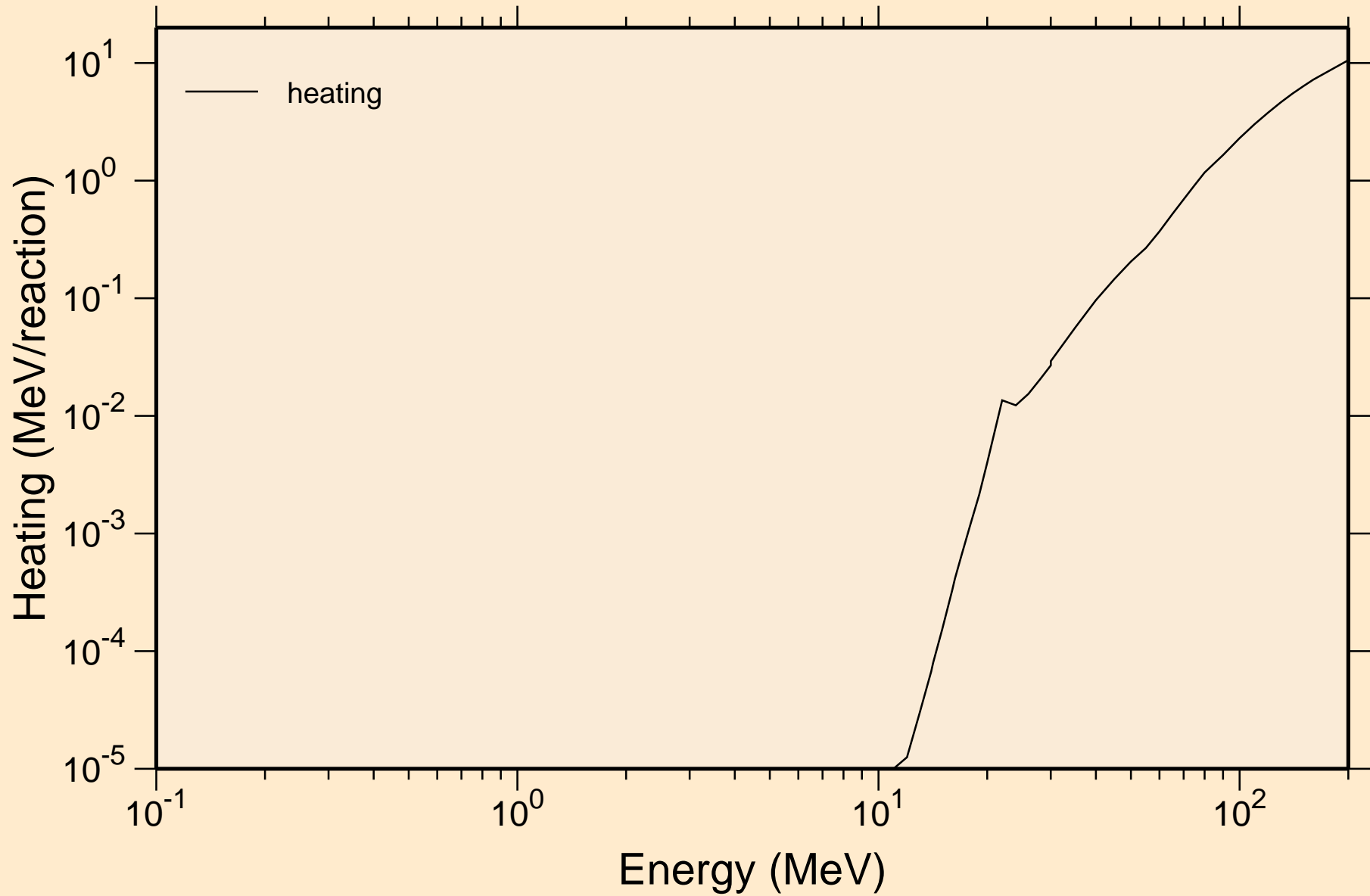


PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



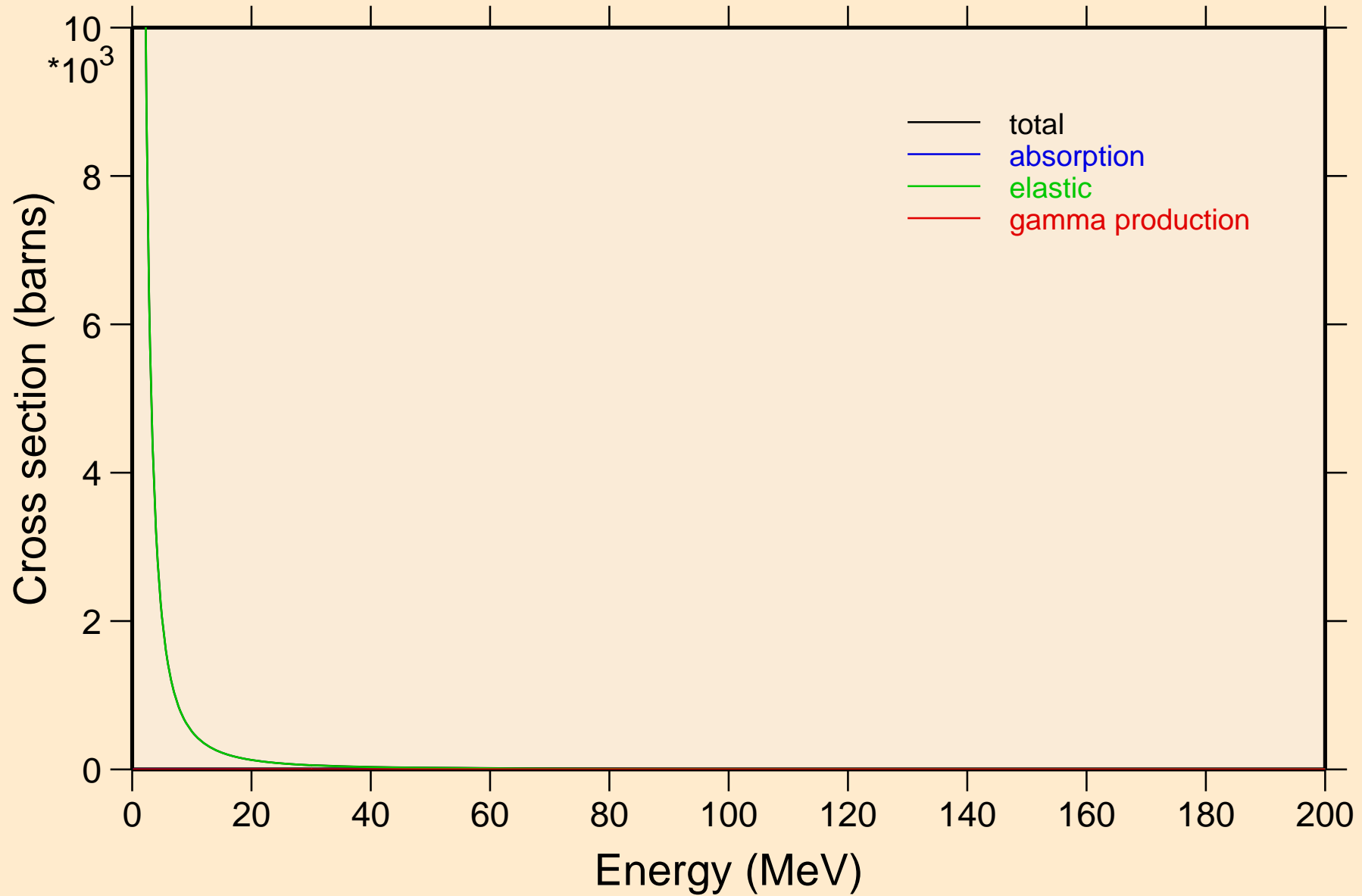
# PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



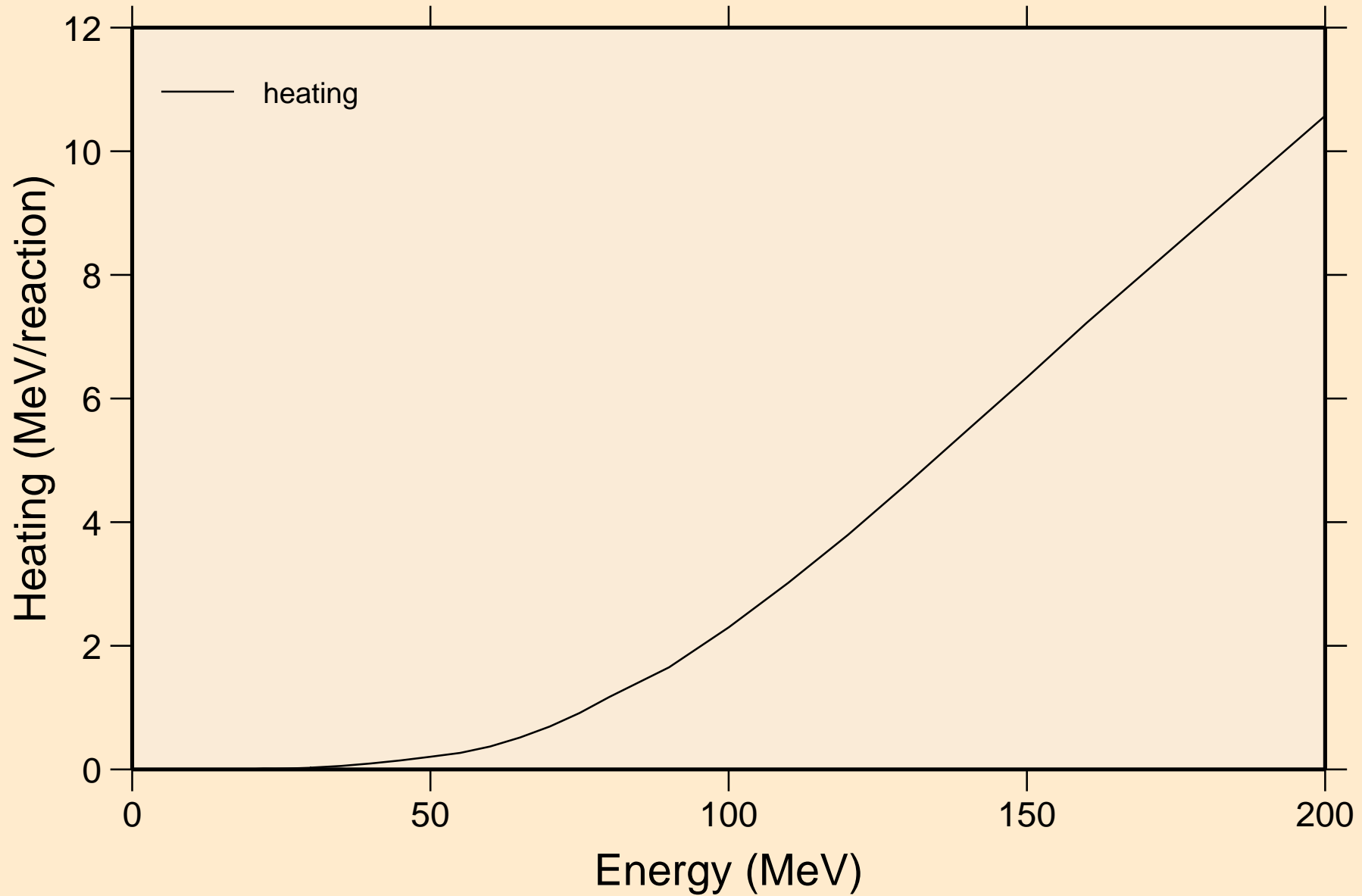
# PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

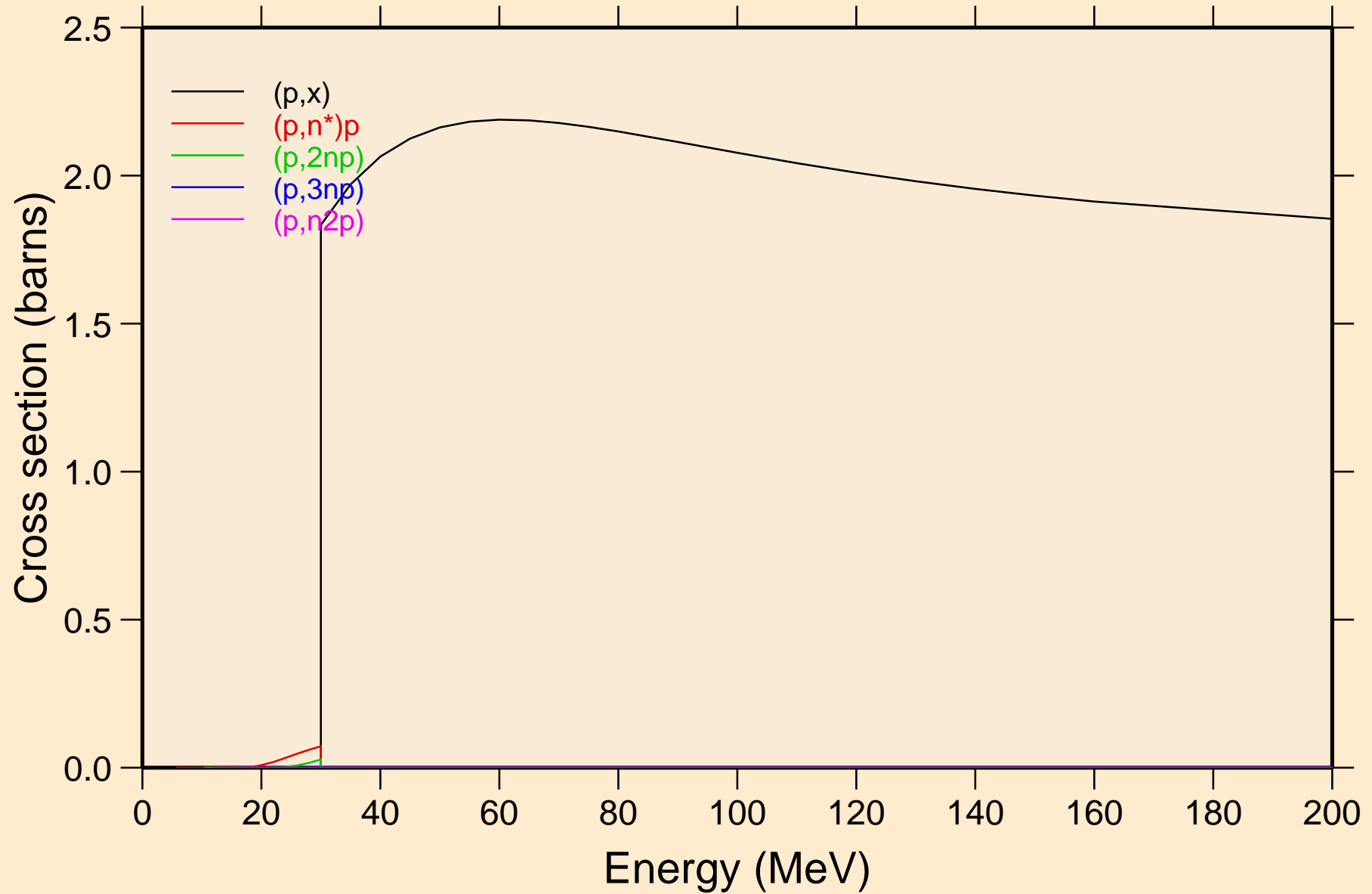


PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K

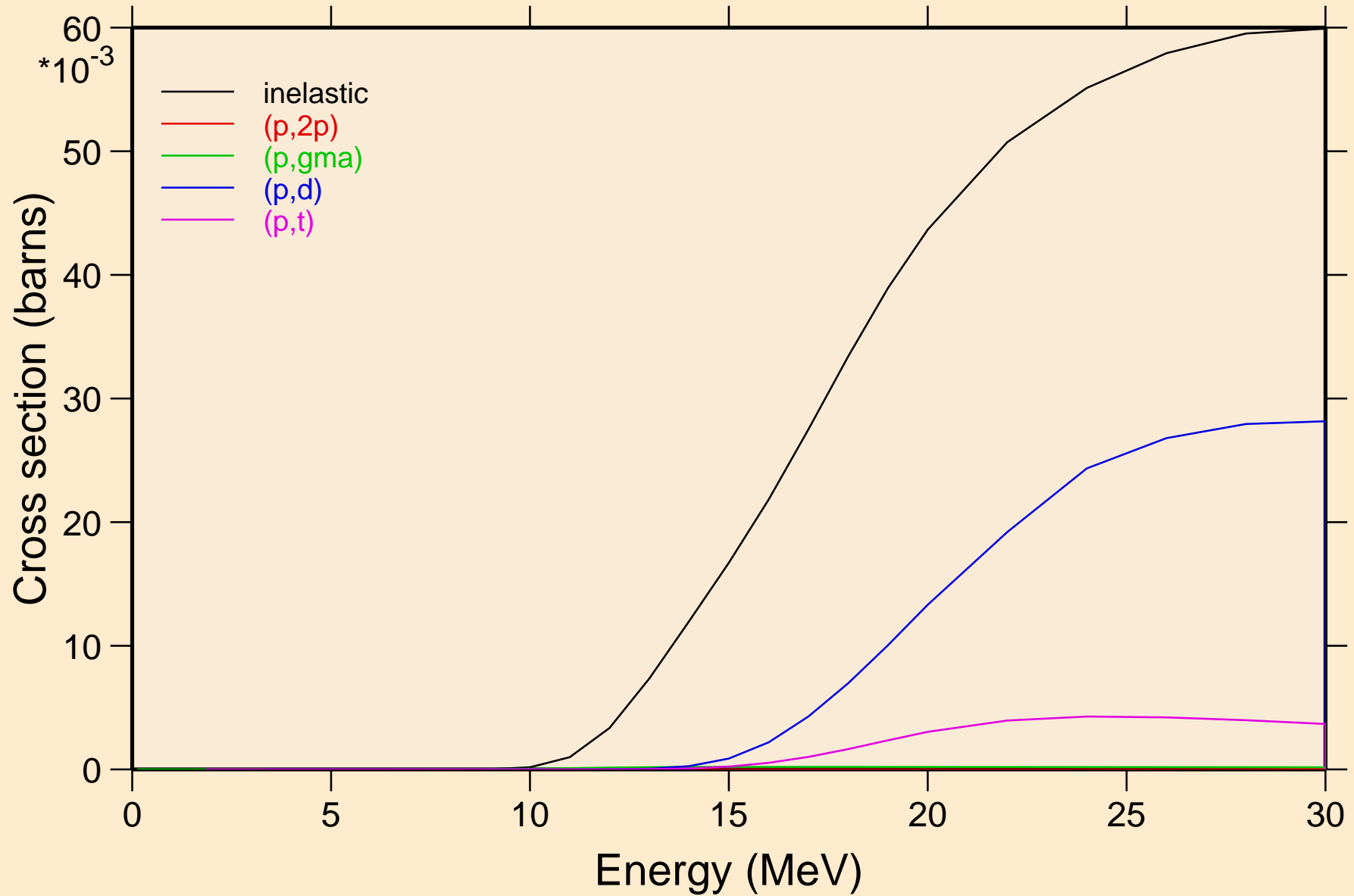
Heating



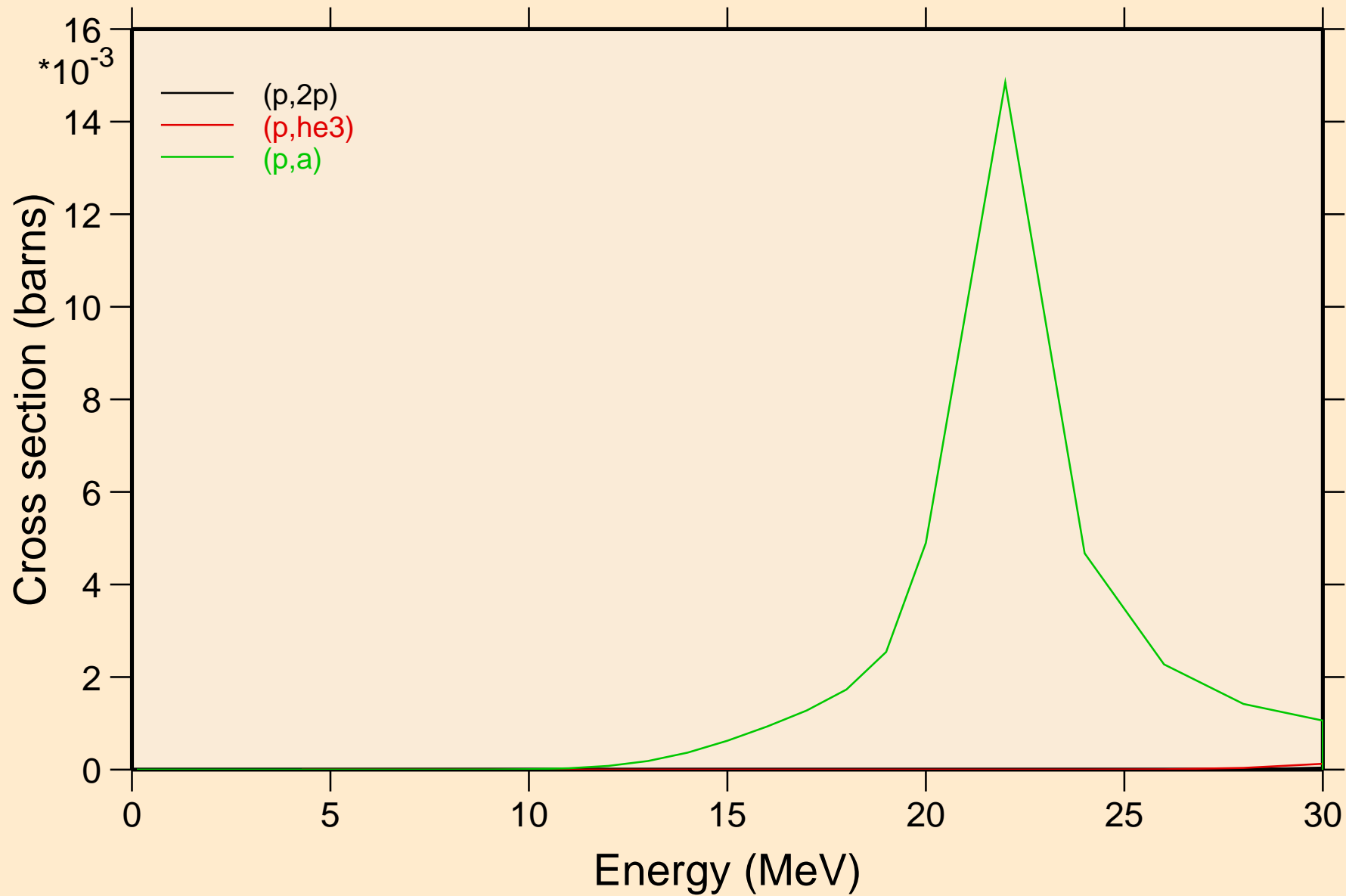
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



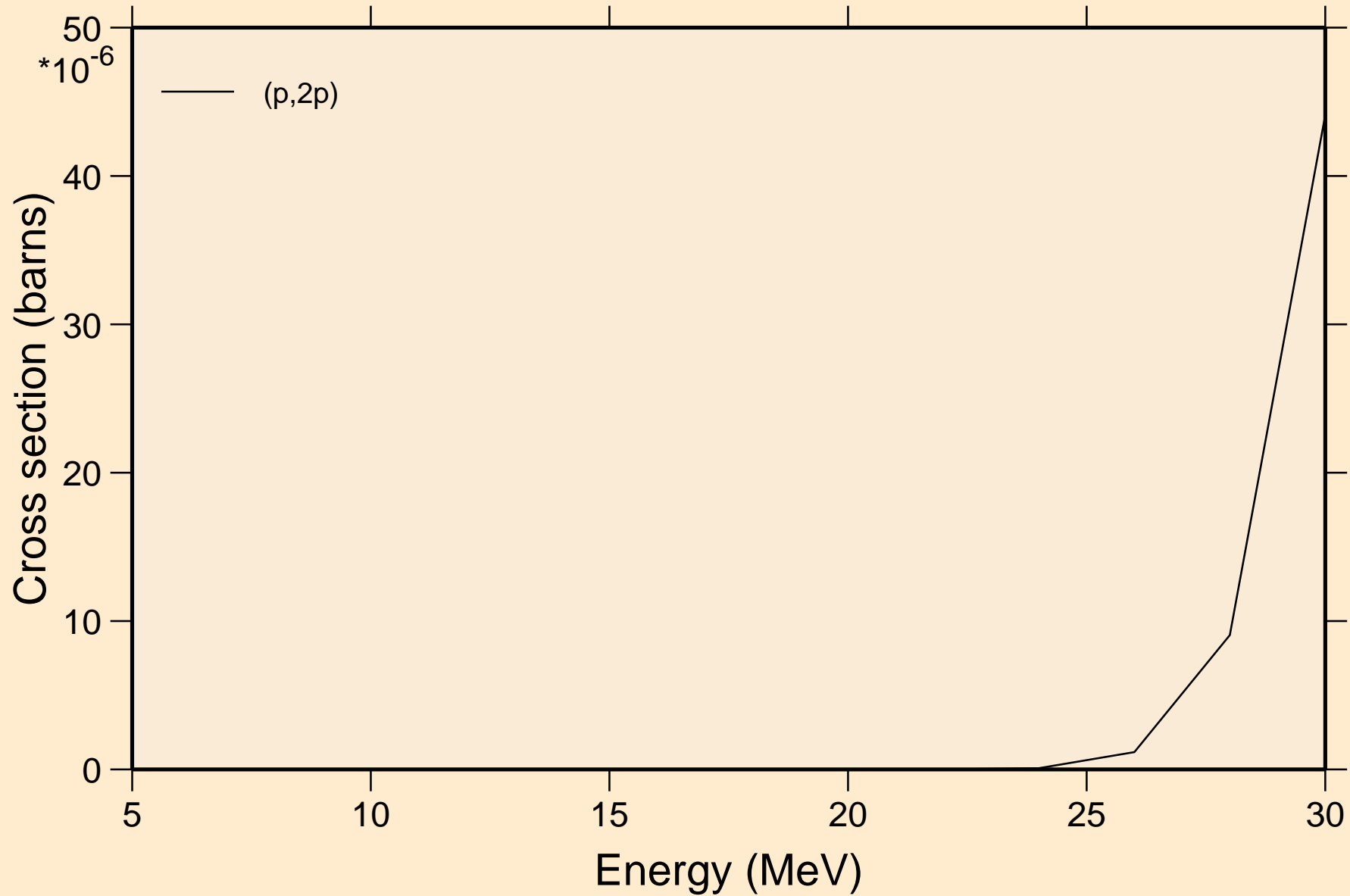
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

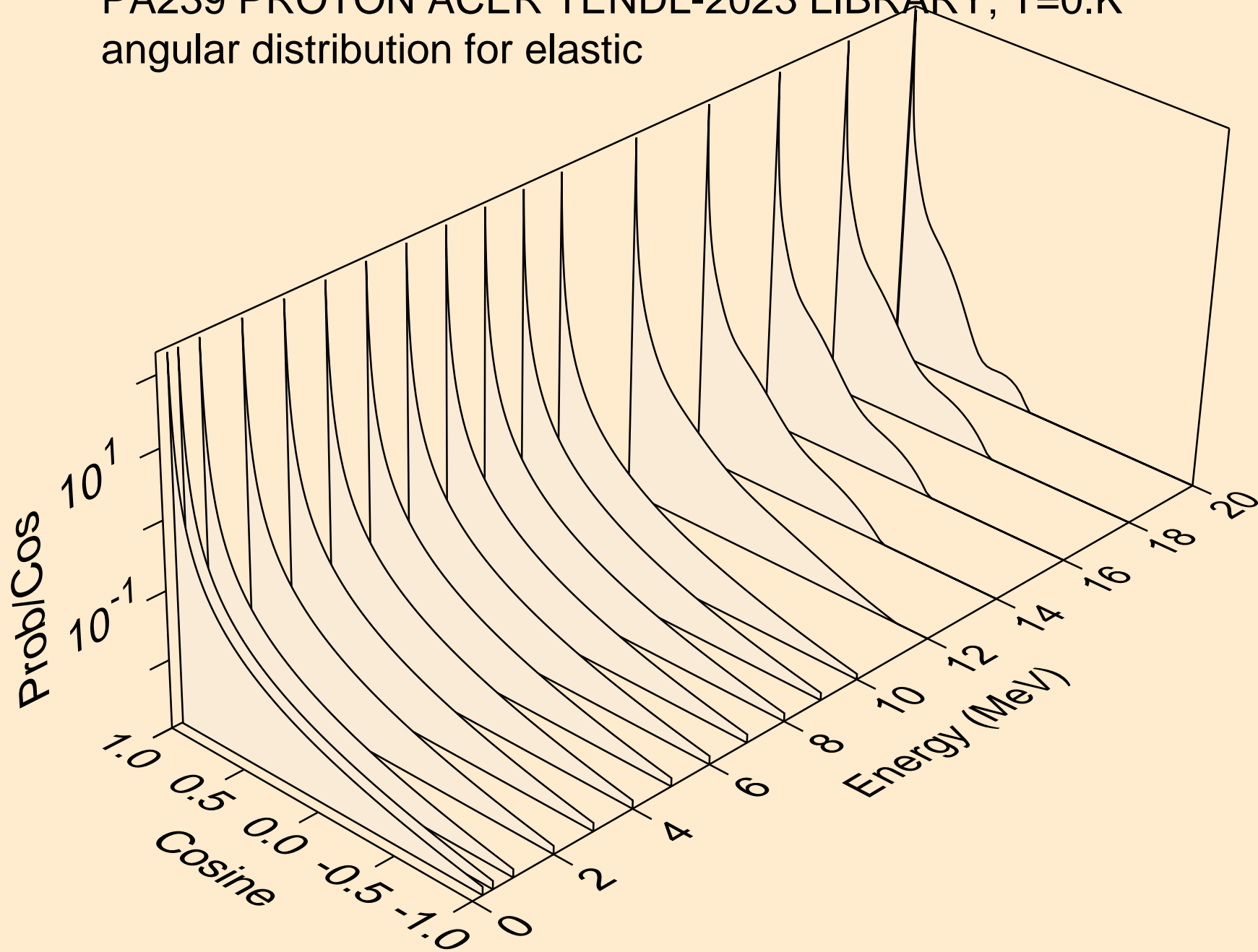


PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

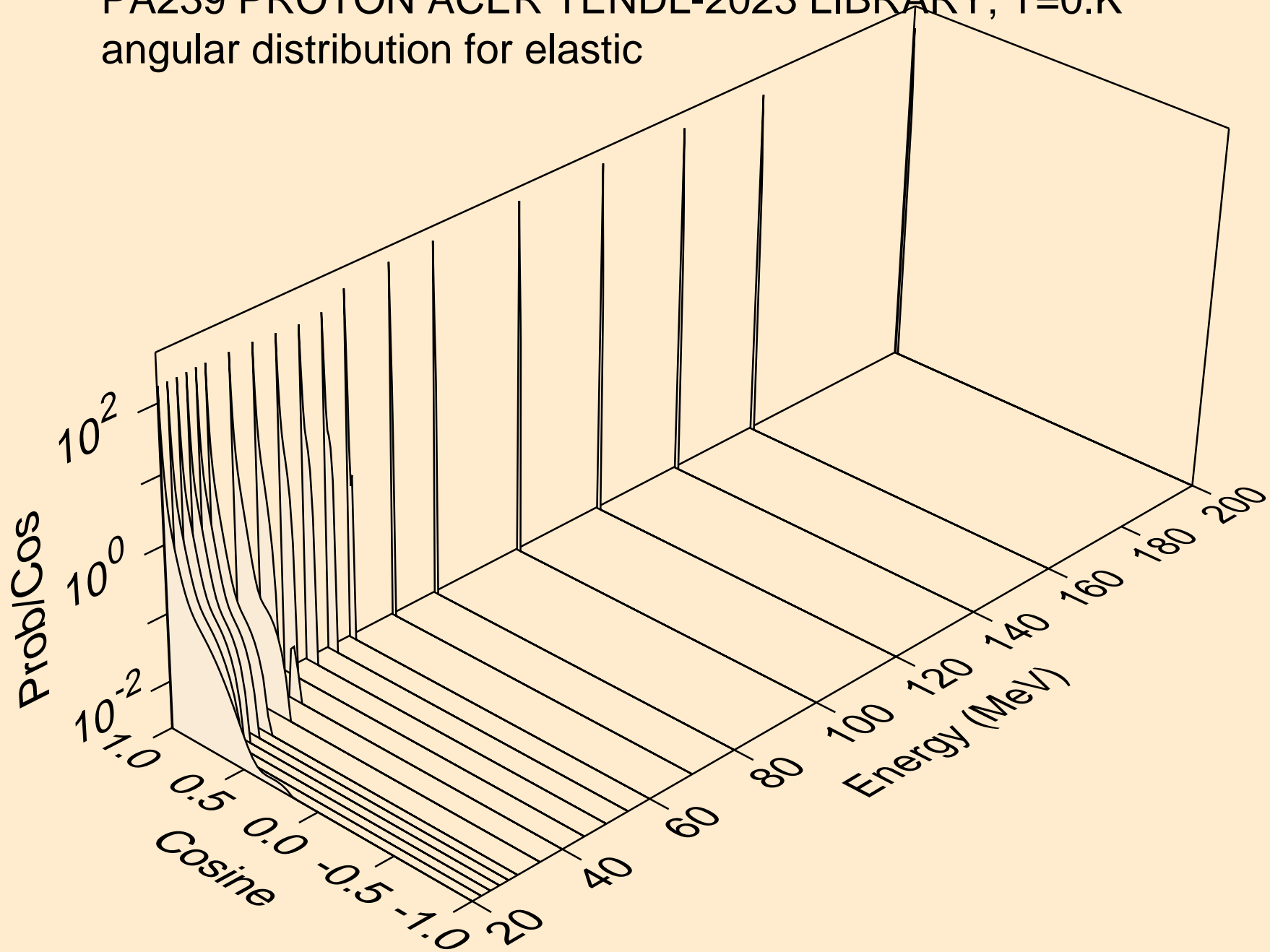




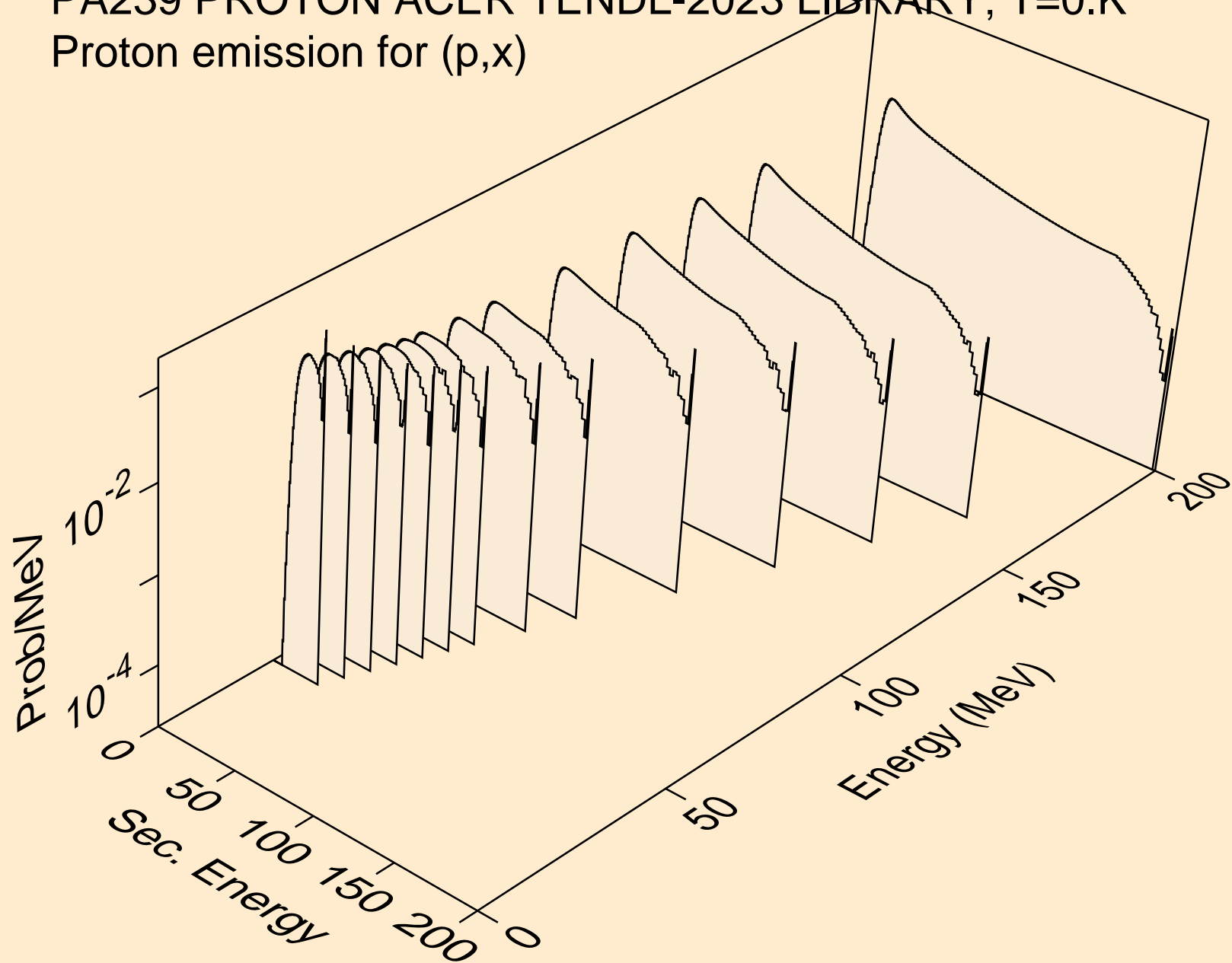
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



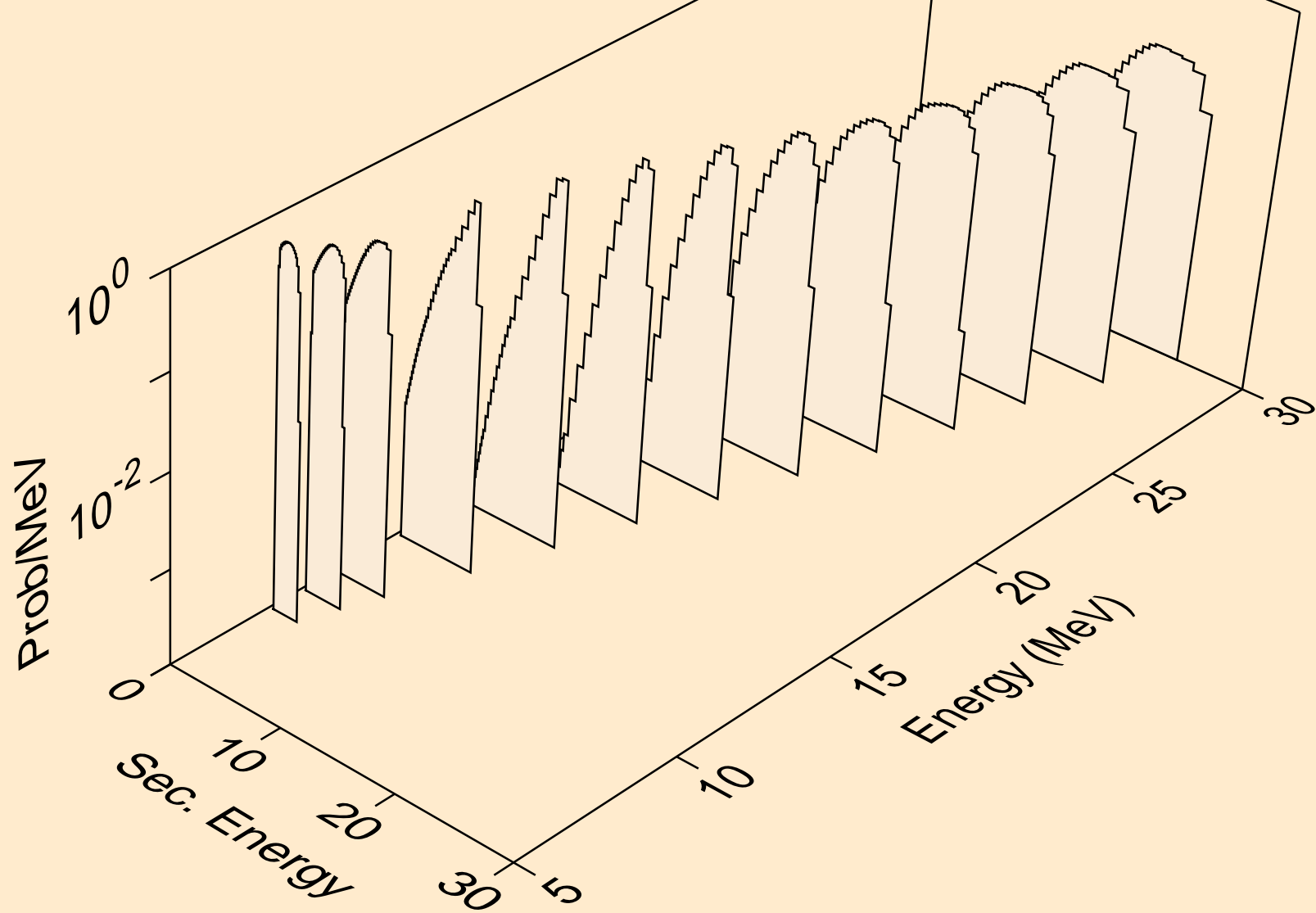
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



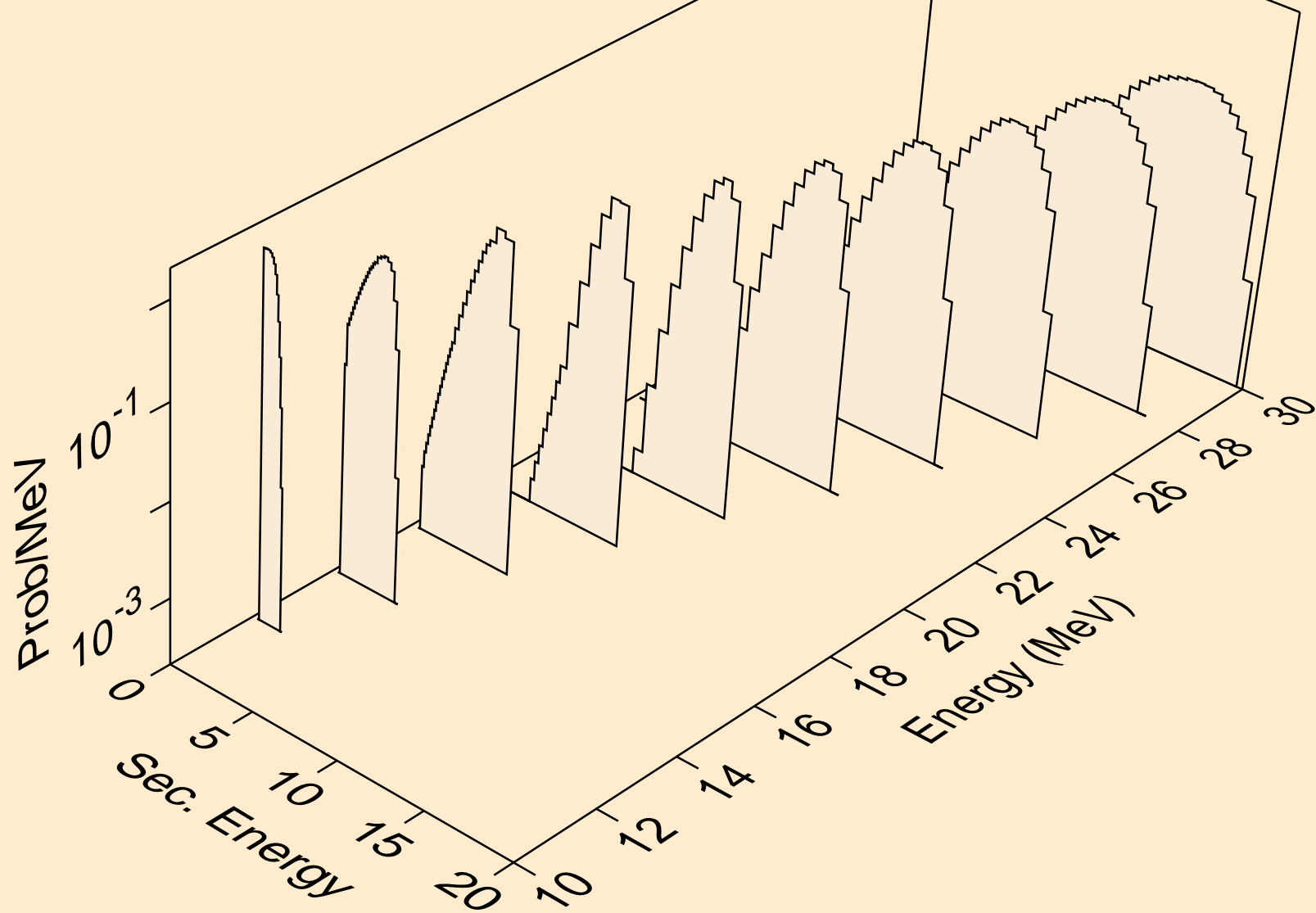
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



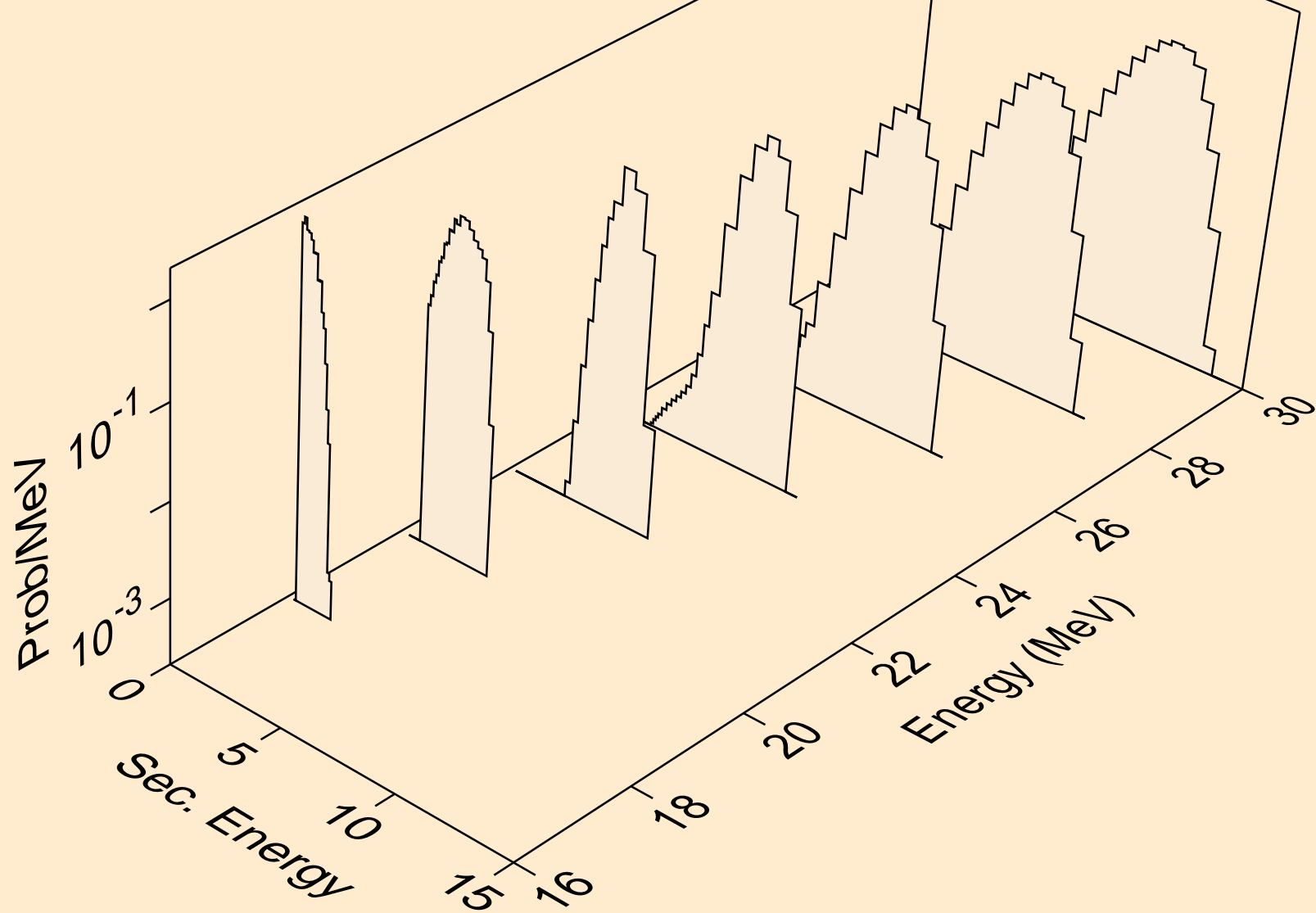
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



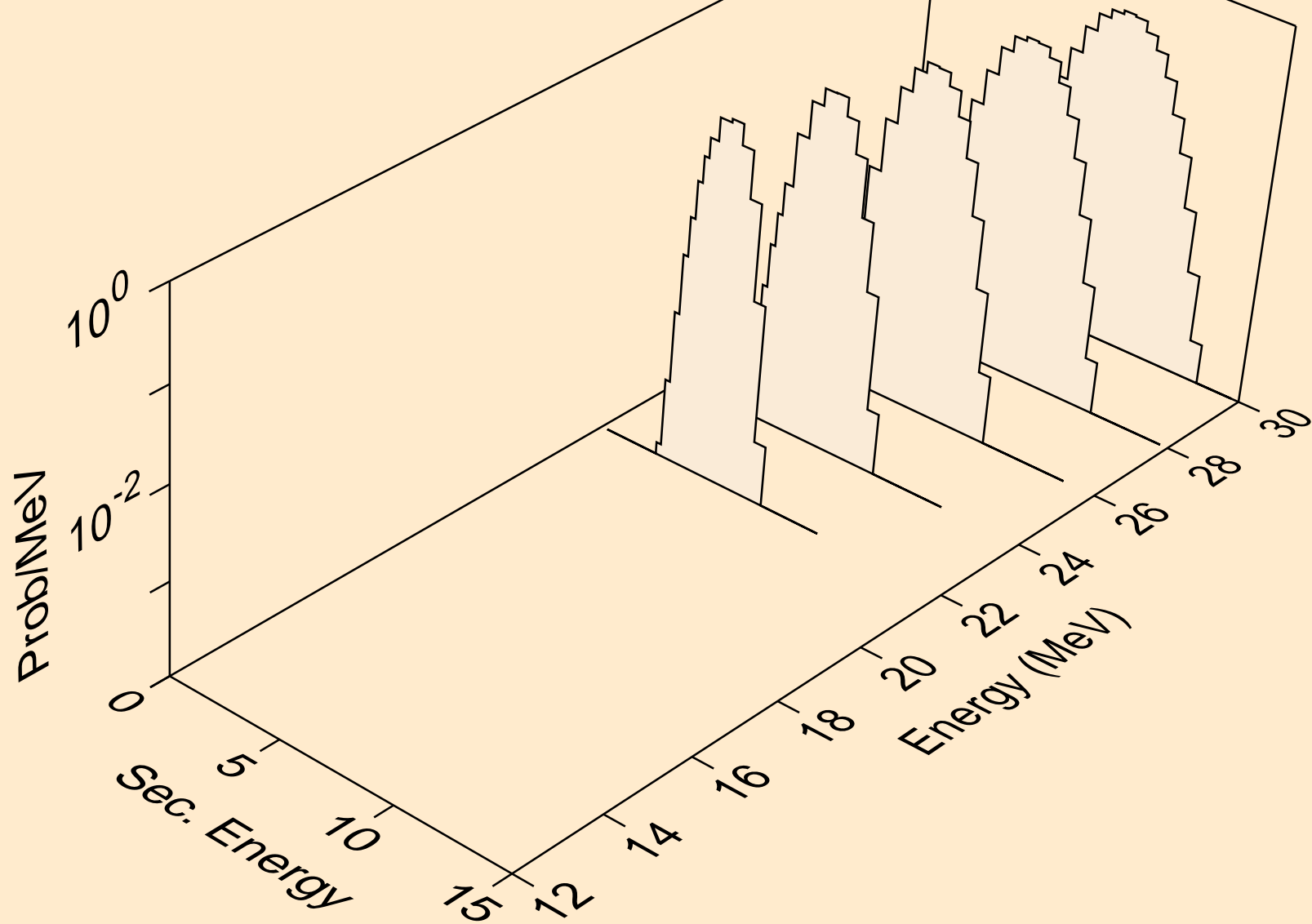
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



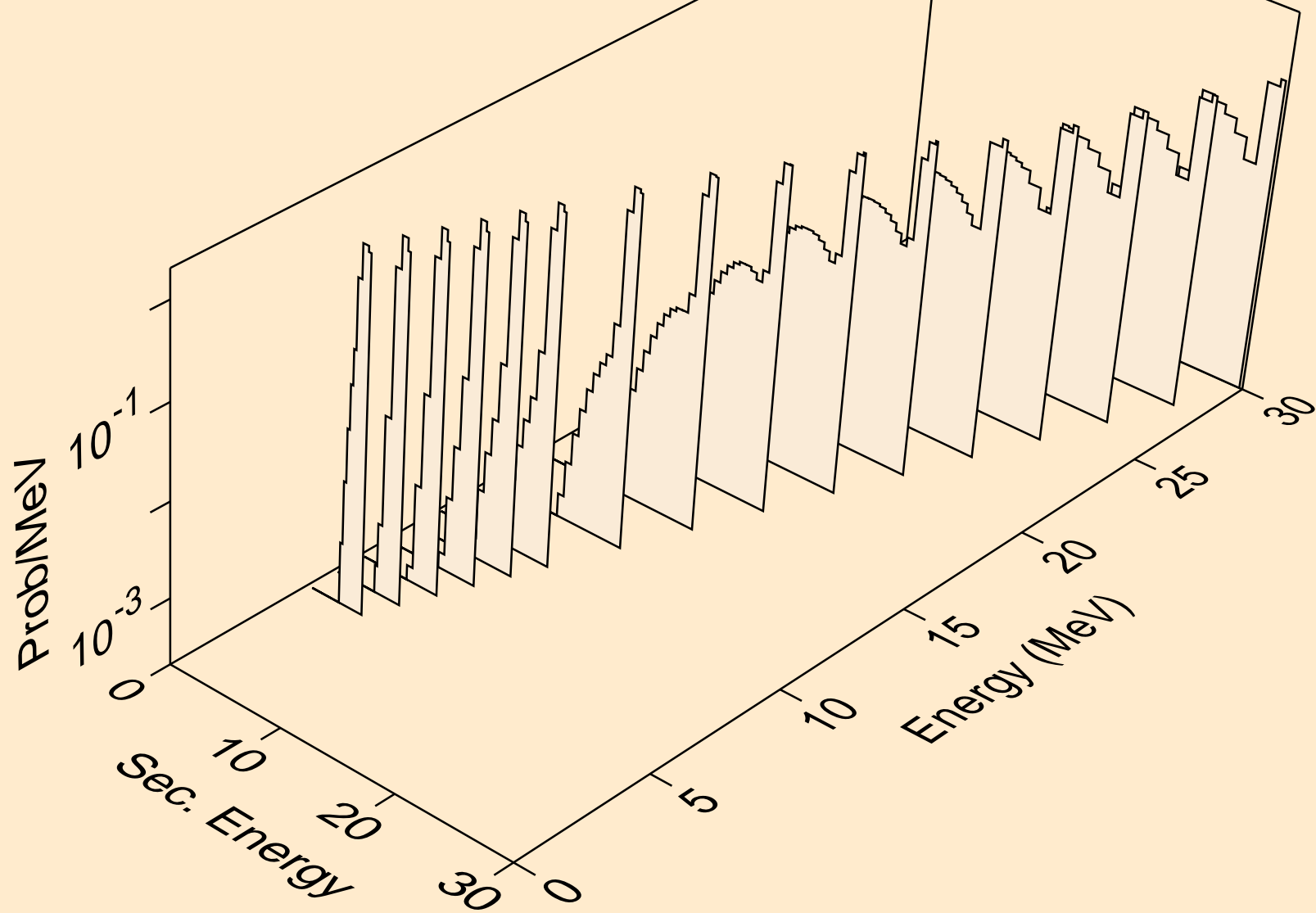
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,3np)



PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)

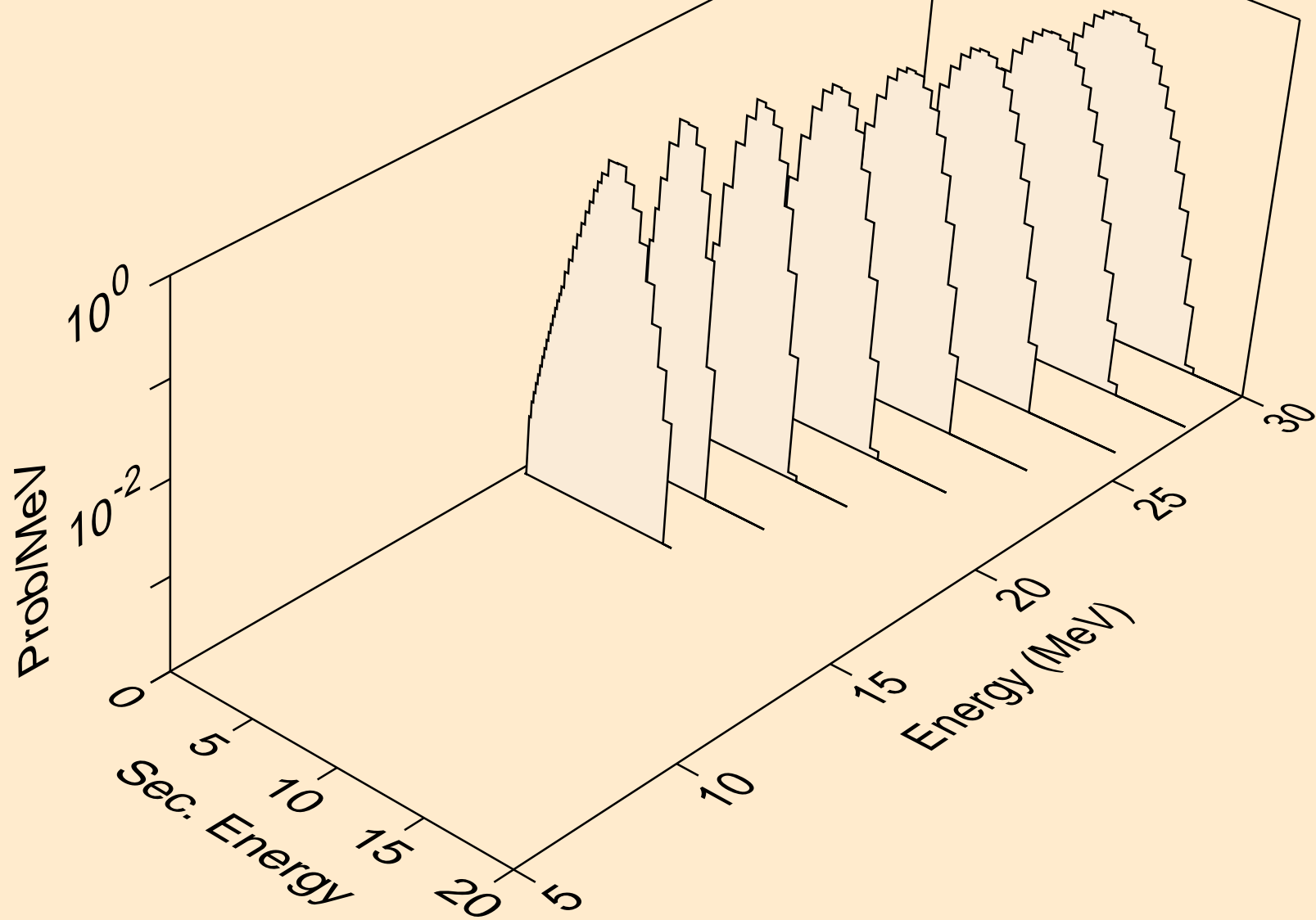


PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

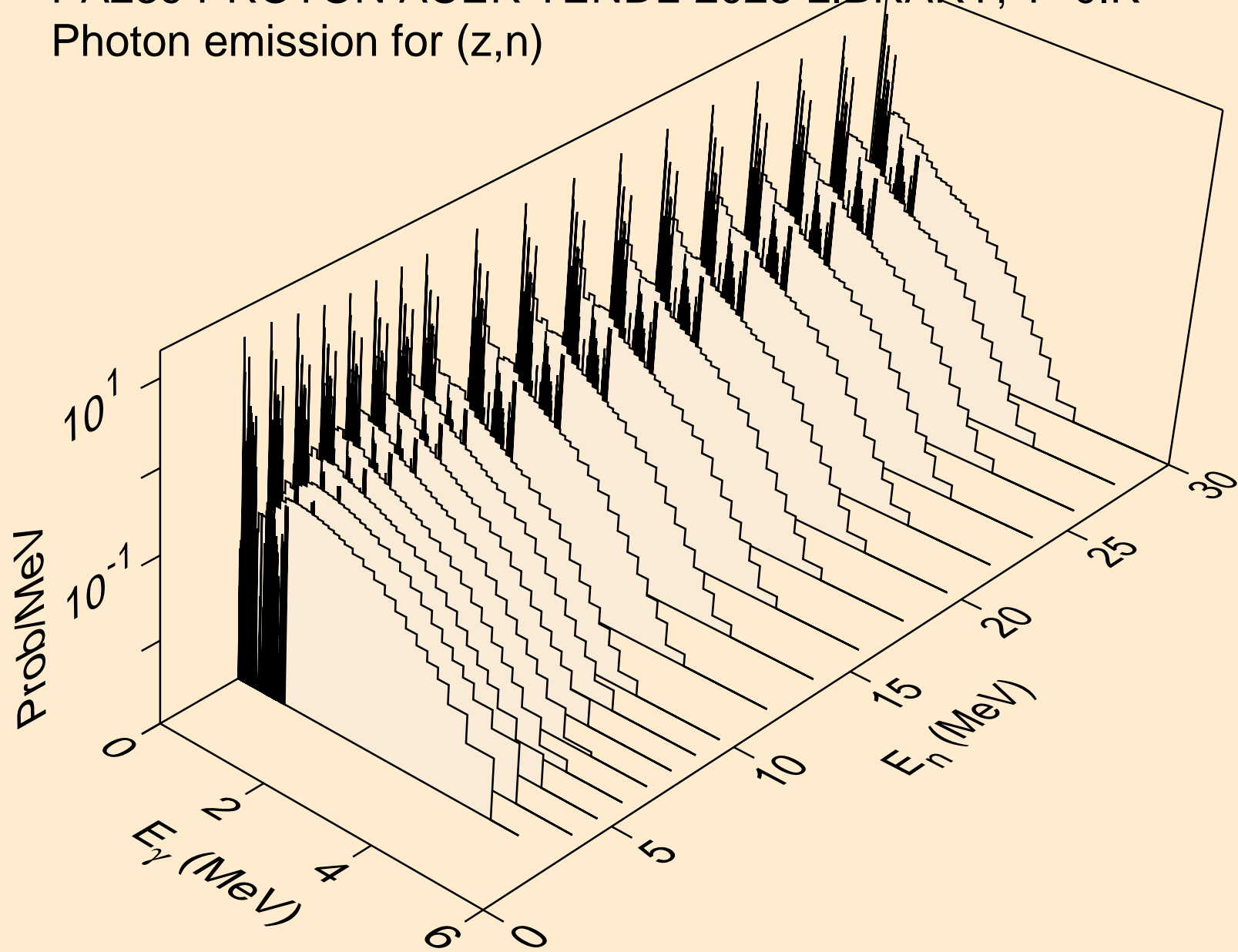




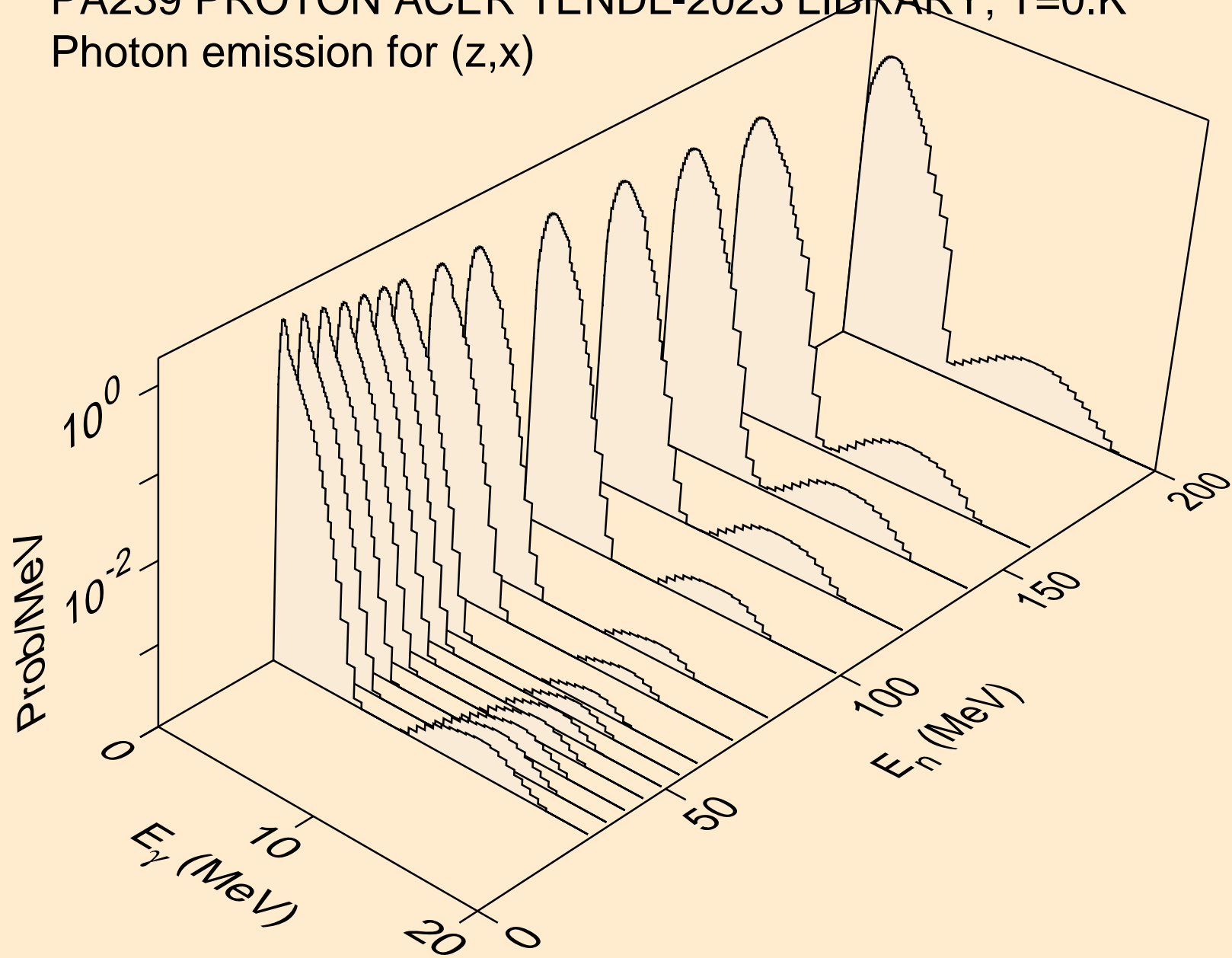
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2p)



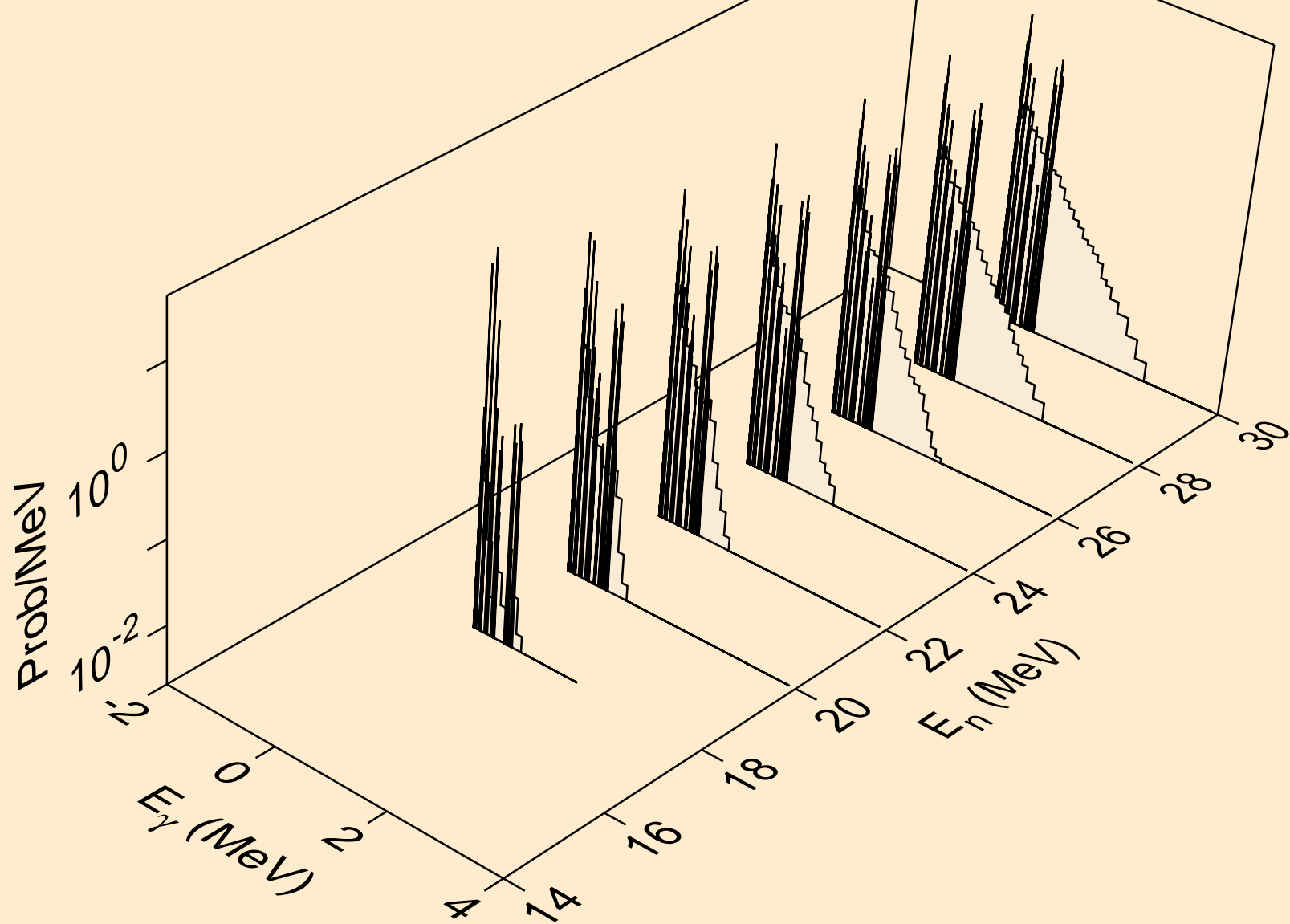
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



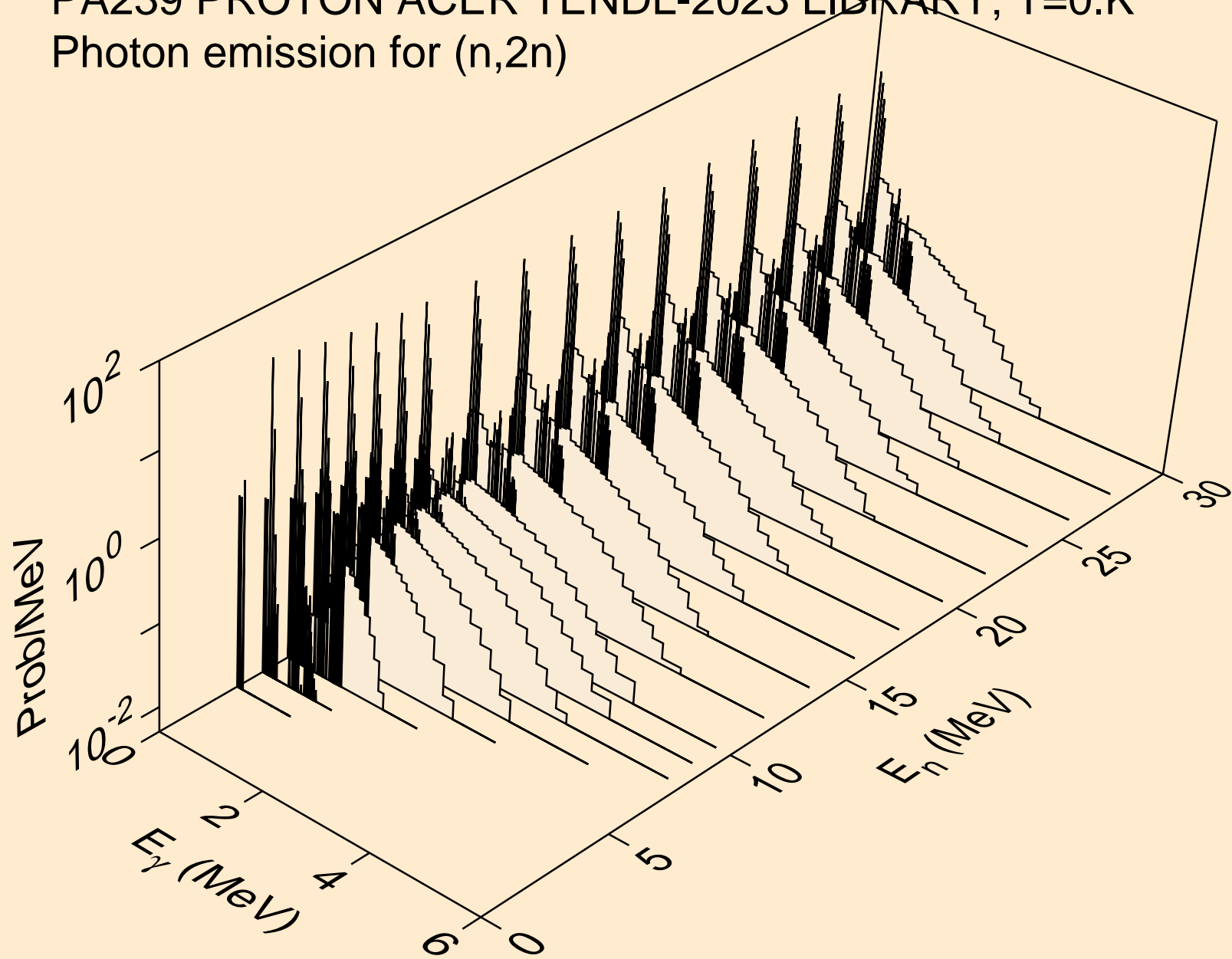
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



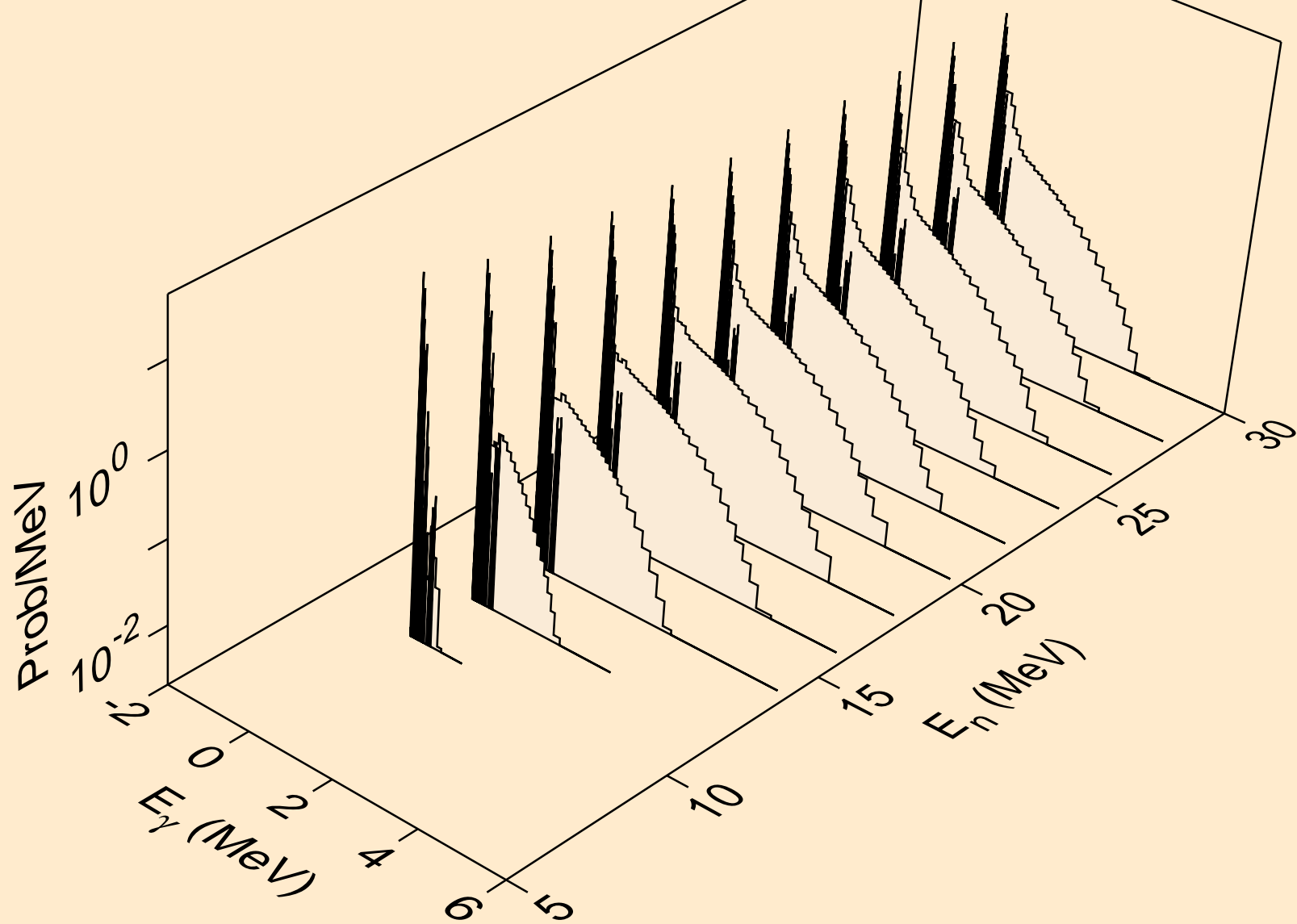
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



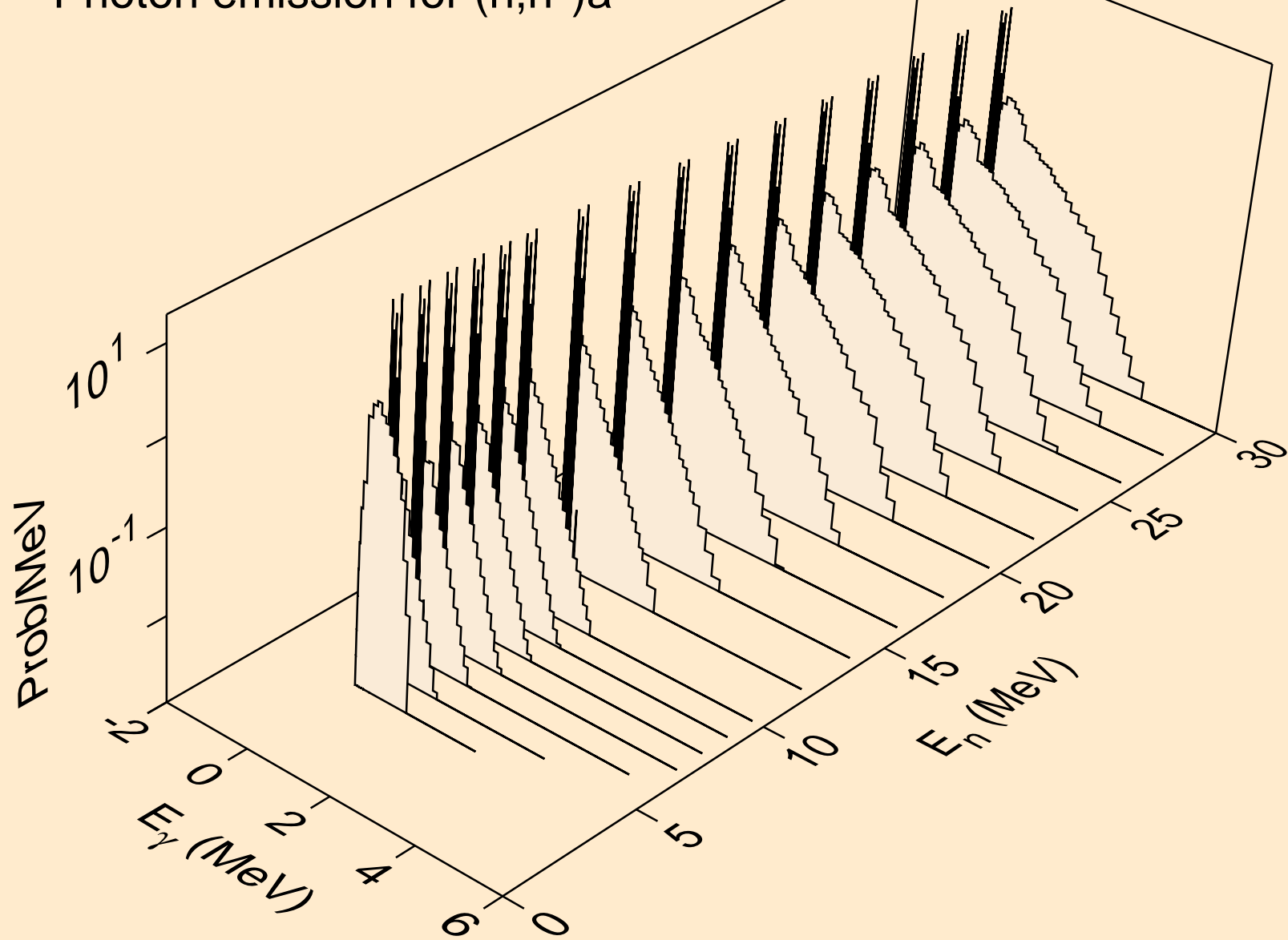
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



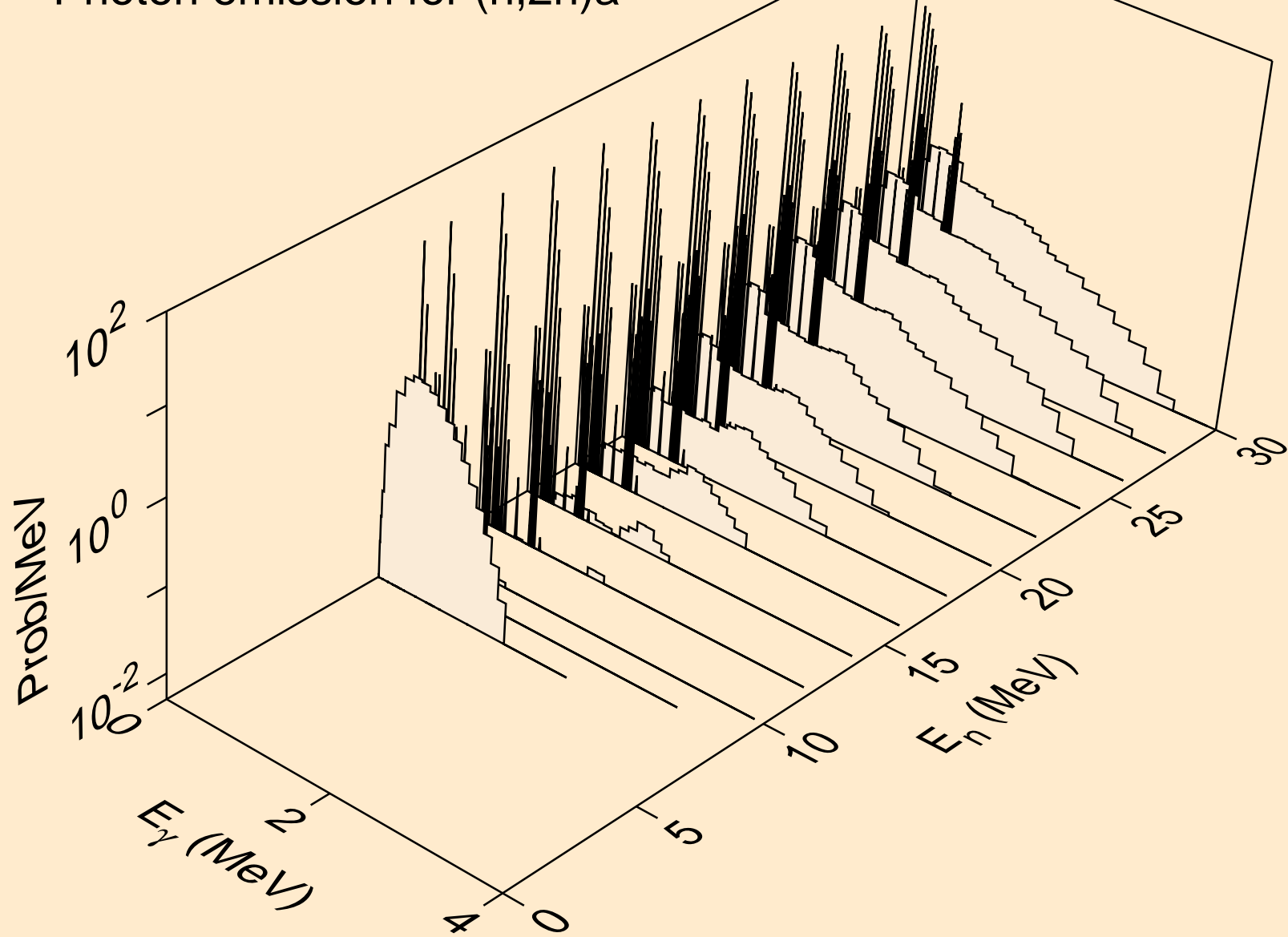
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

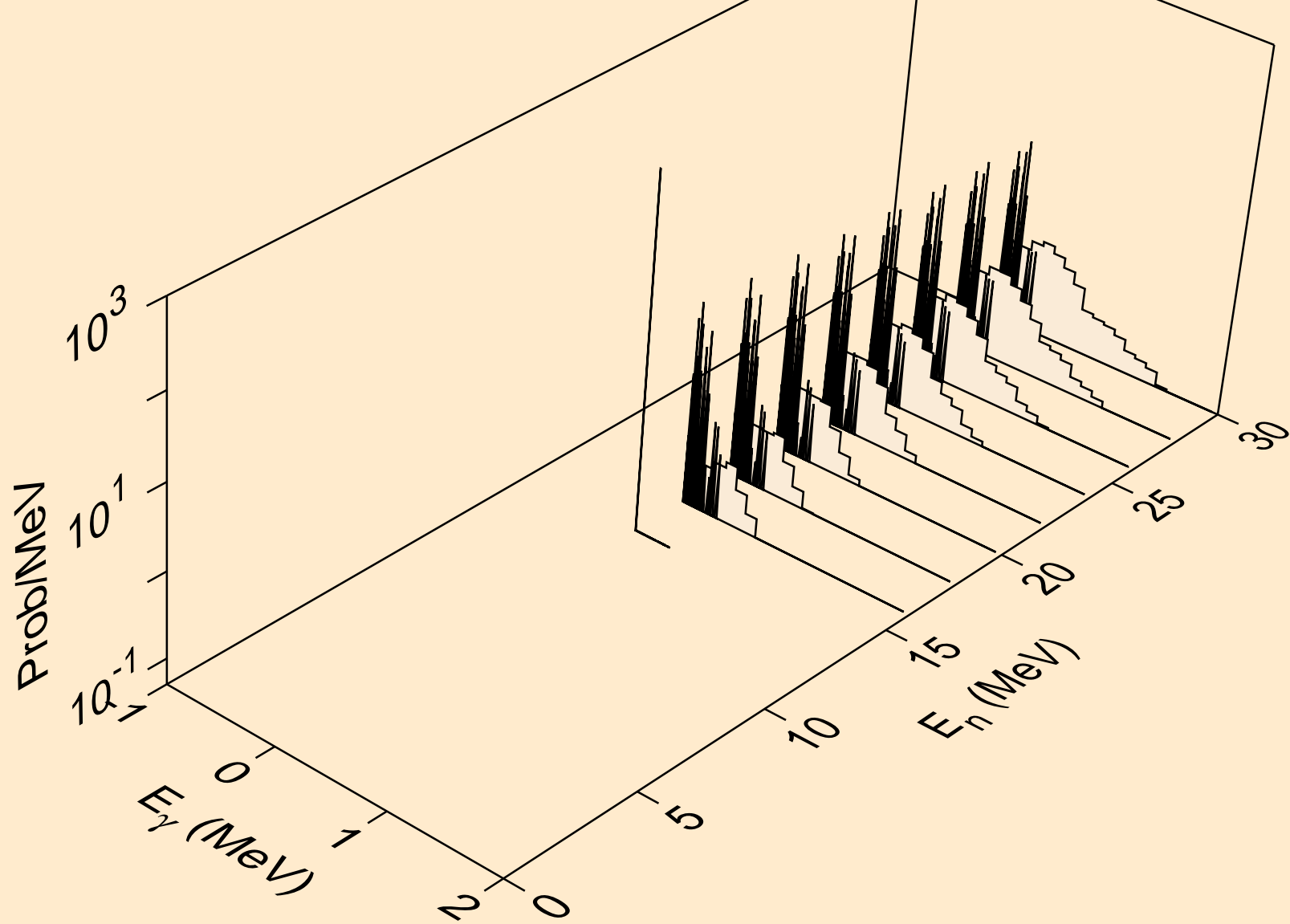


PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

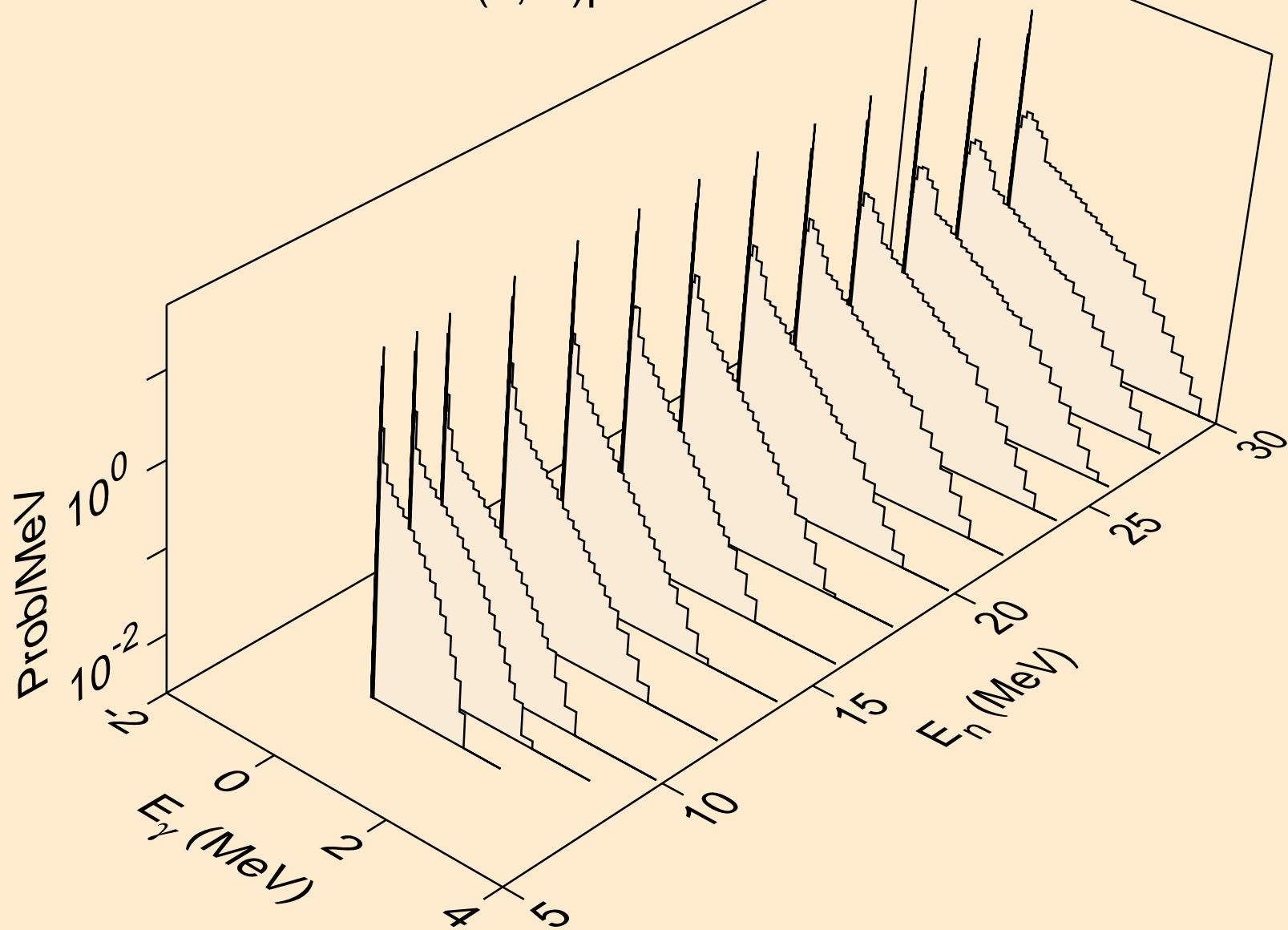




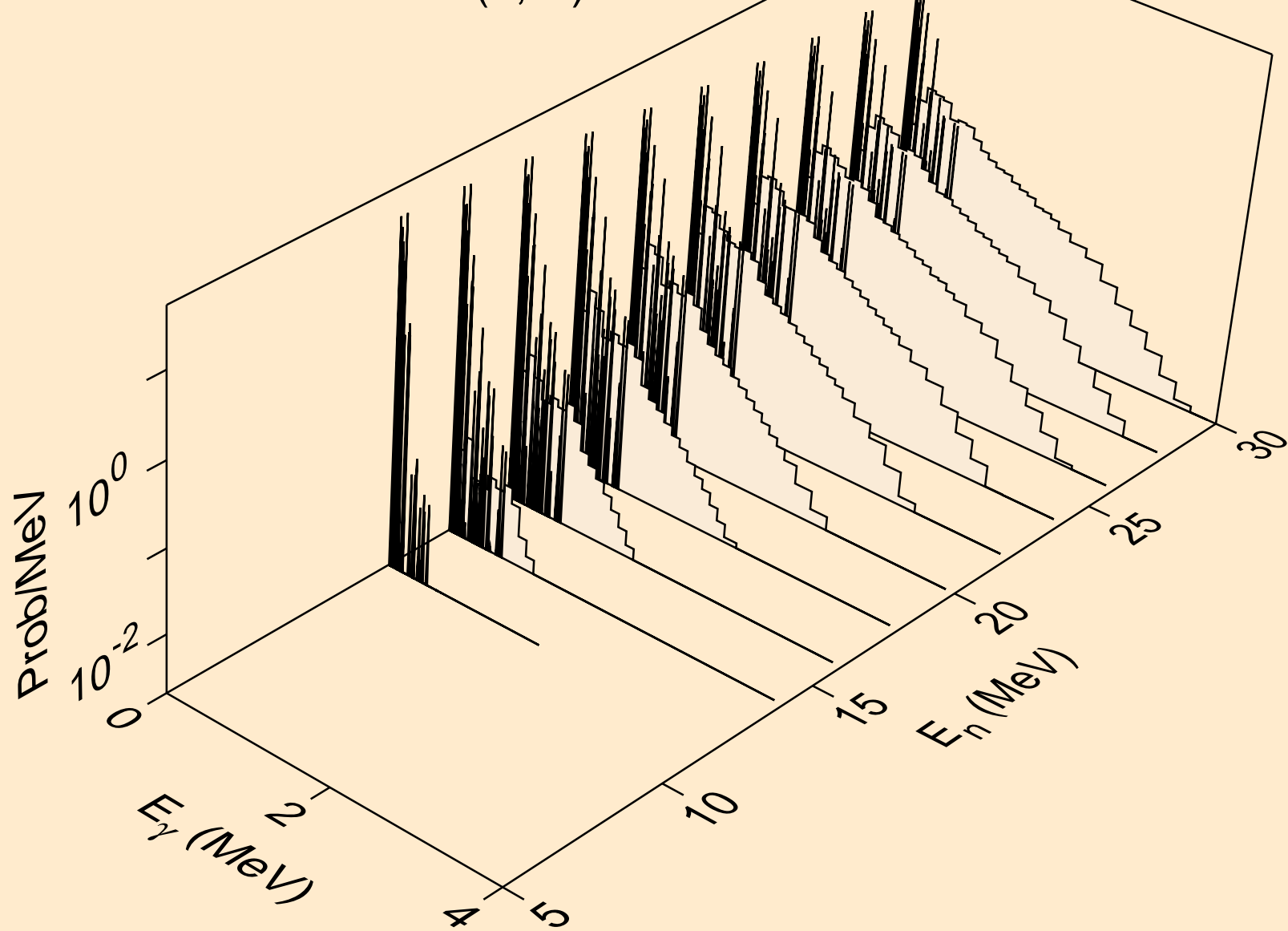
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



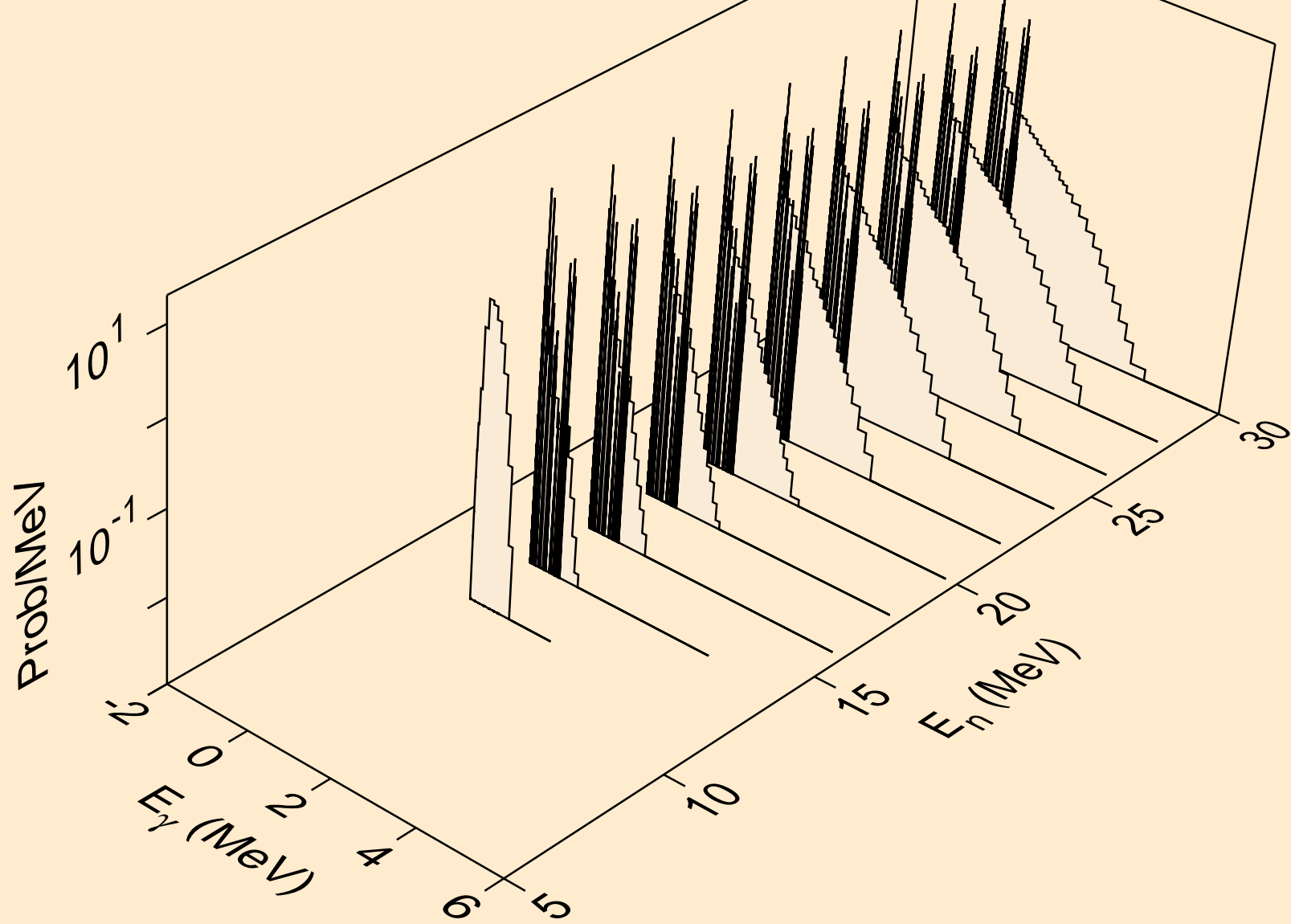
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



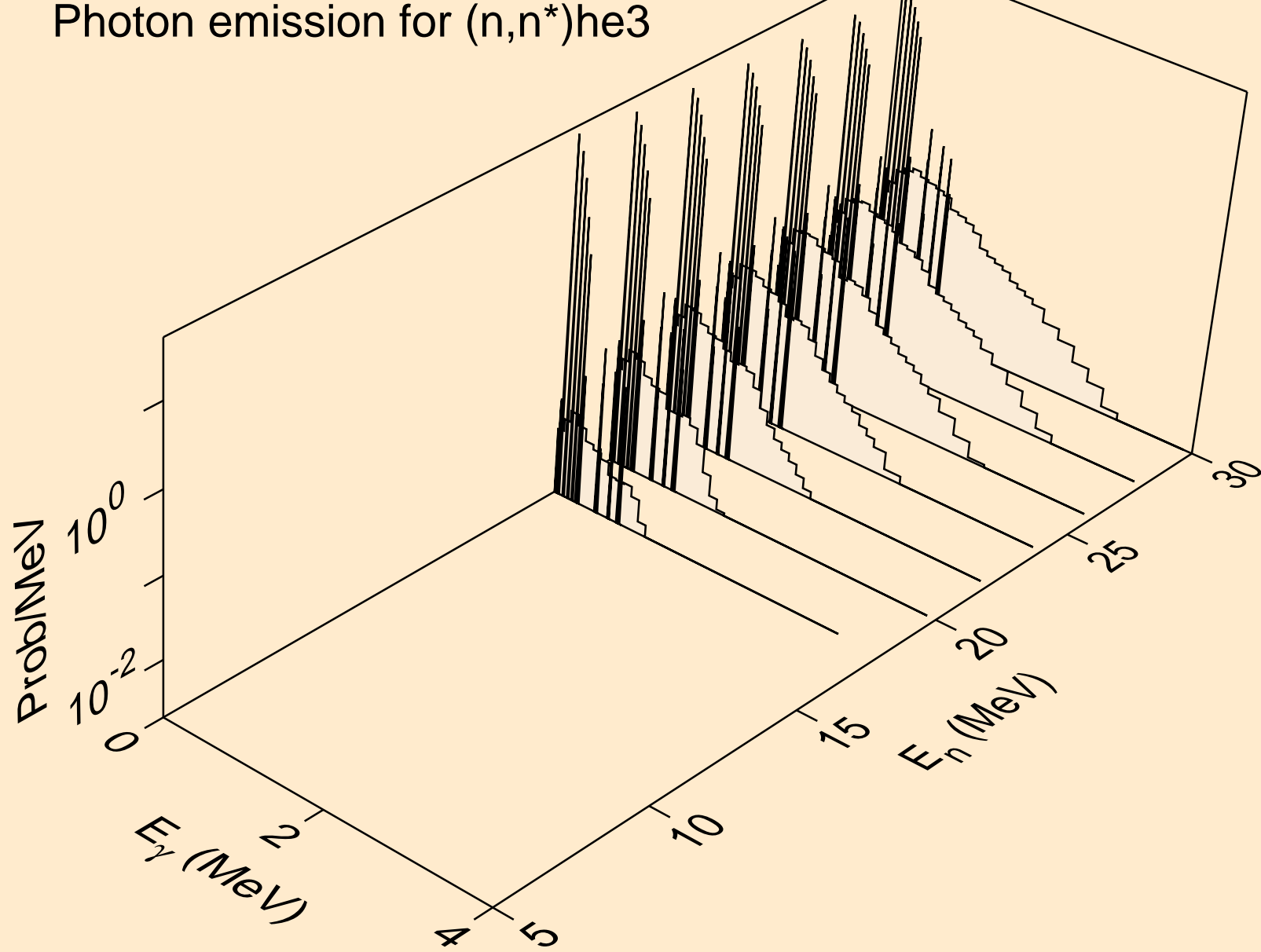
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



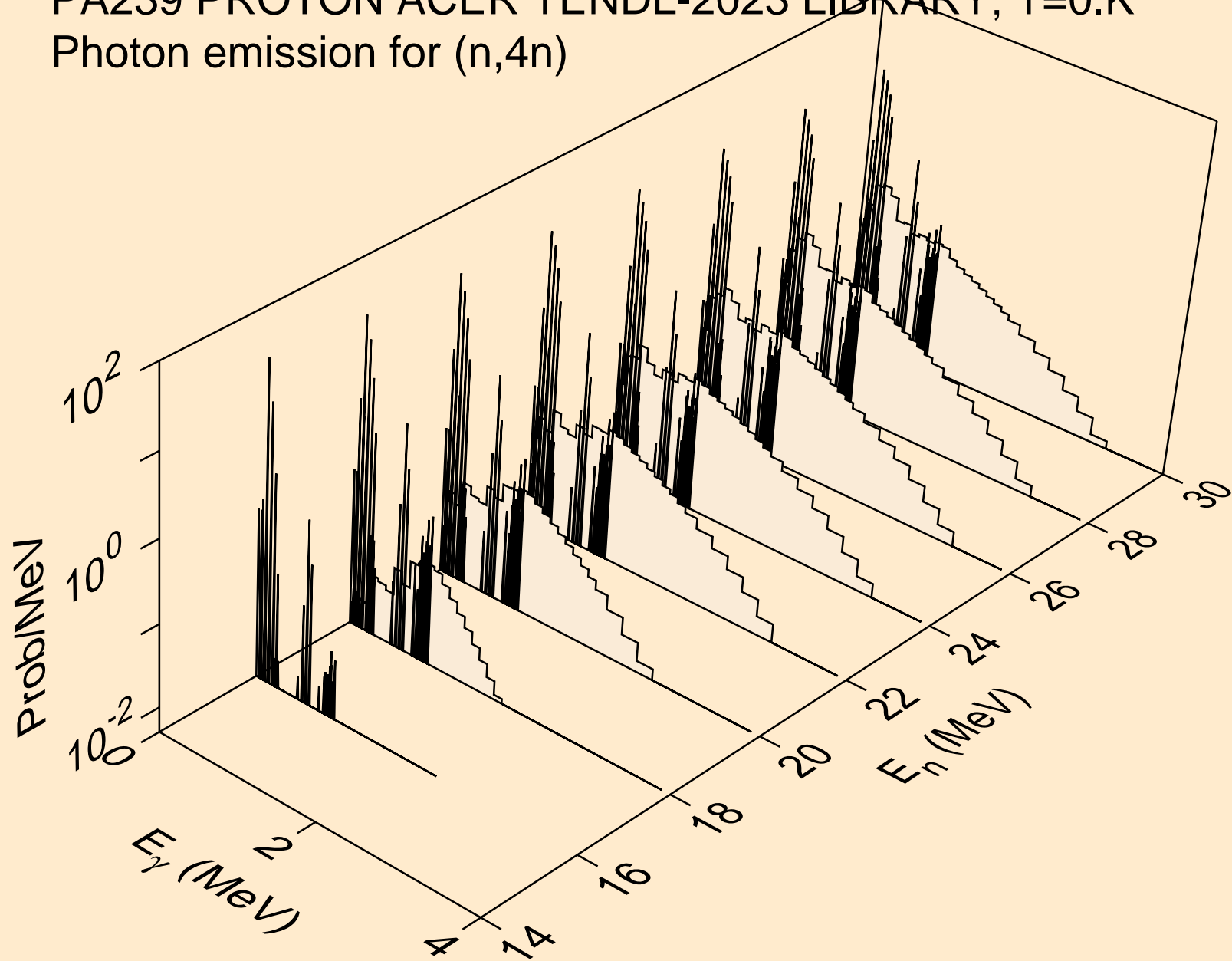
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



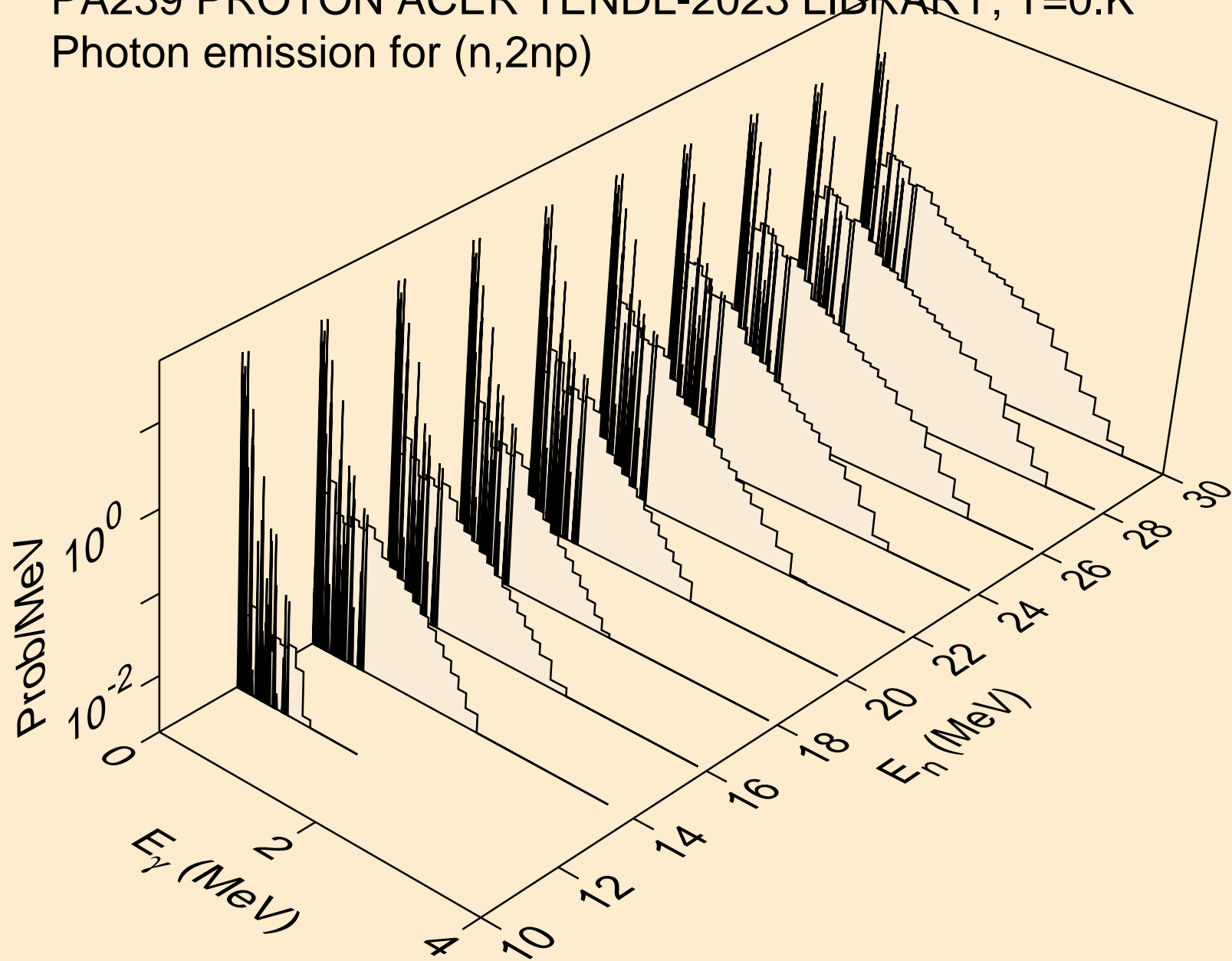
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



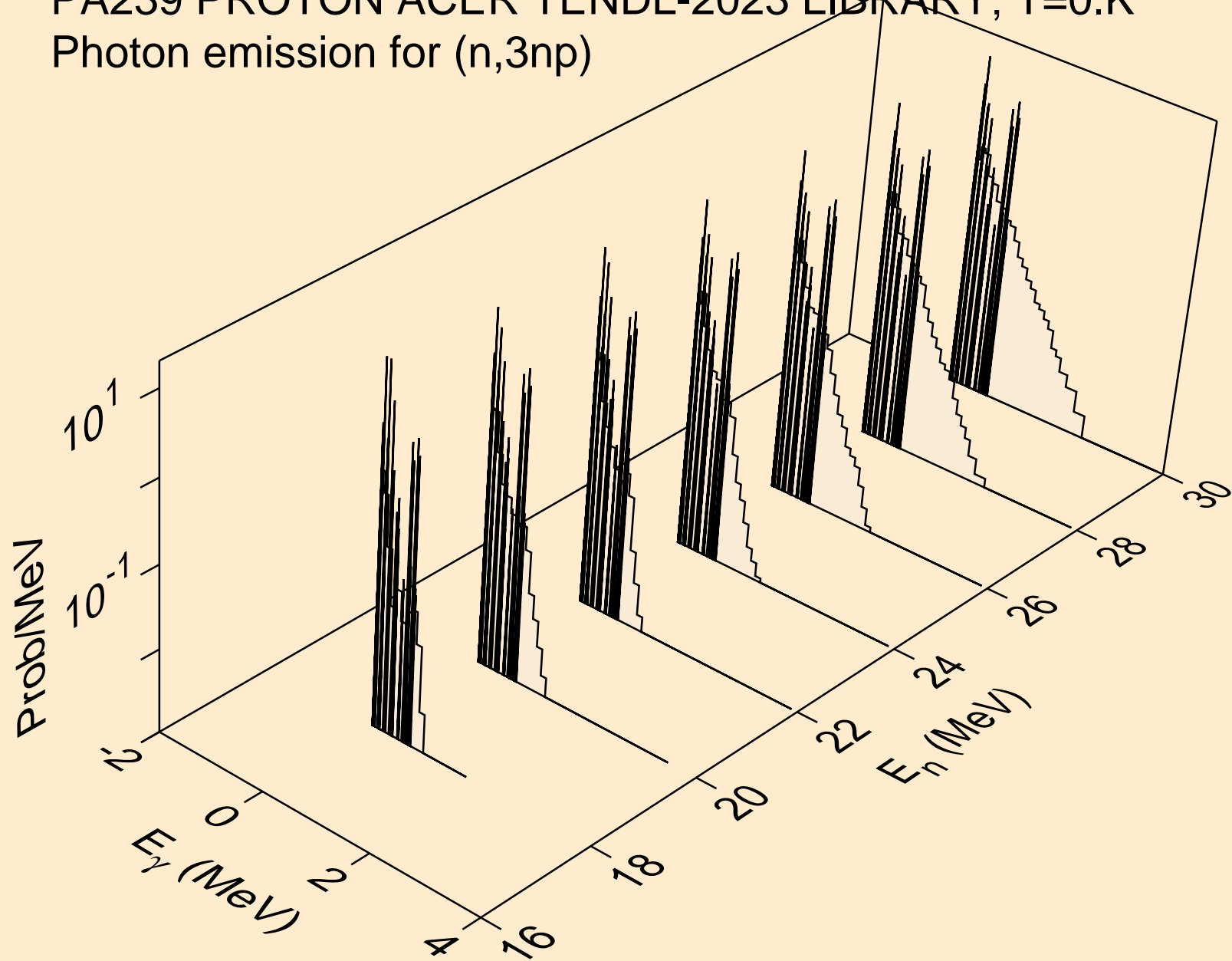
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

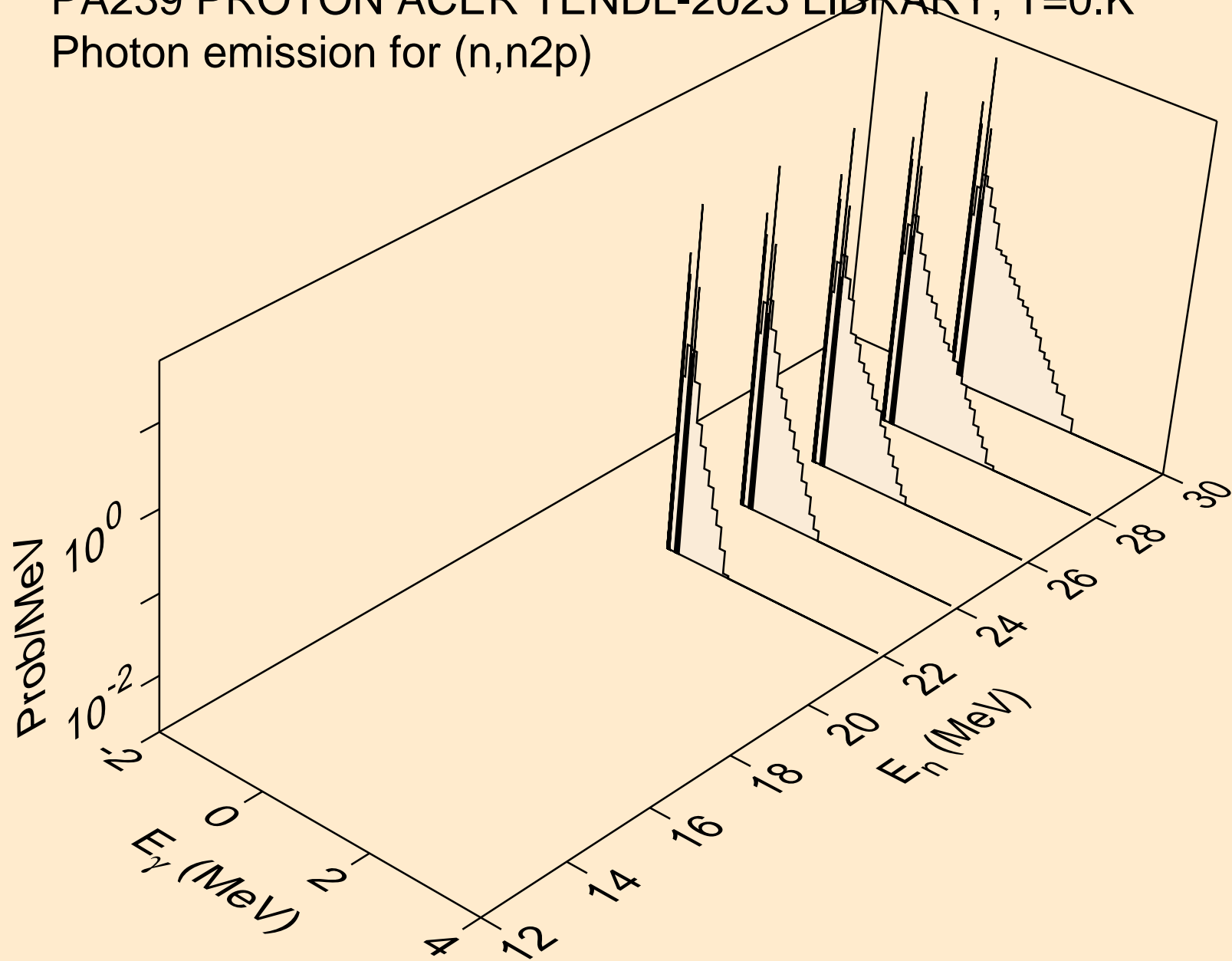


PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)

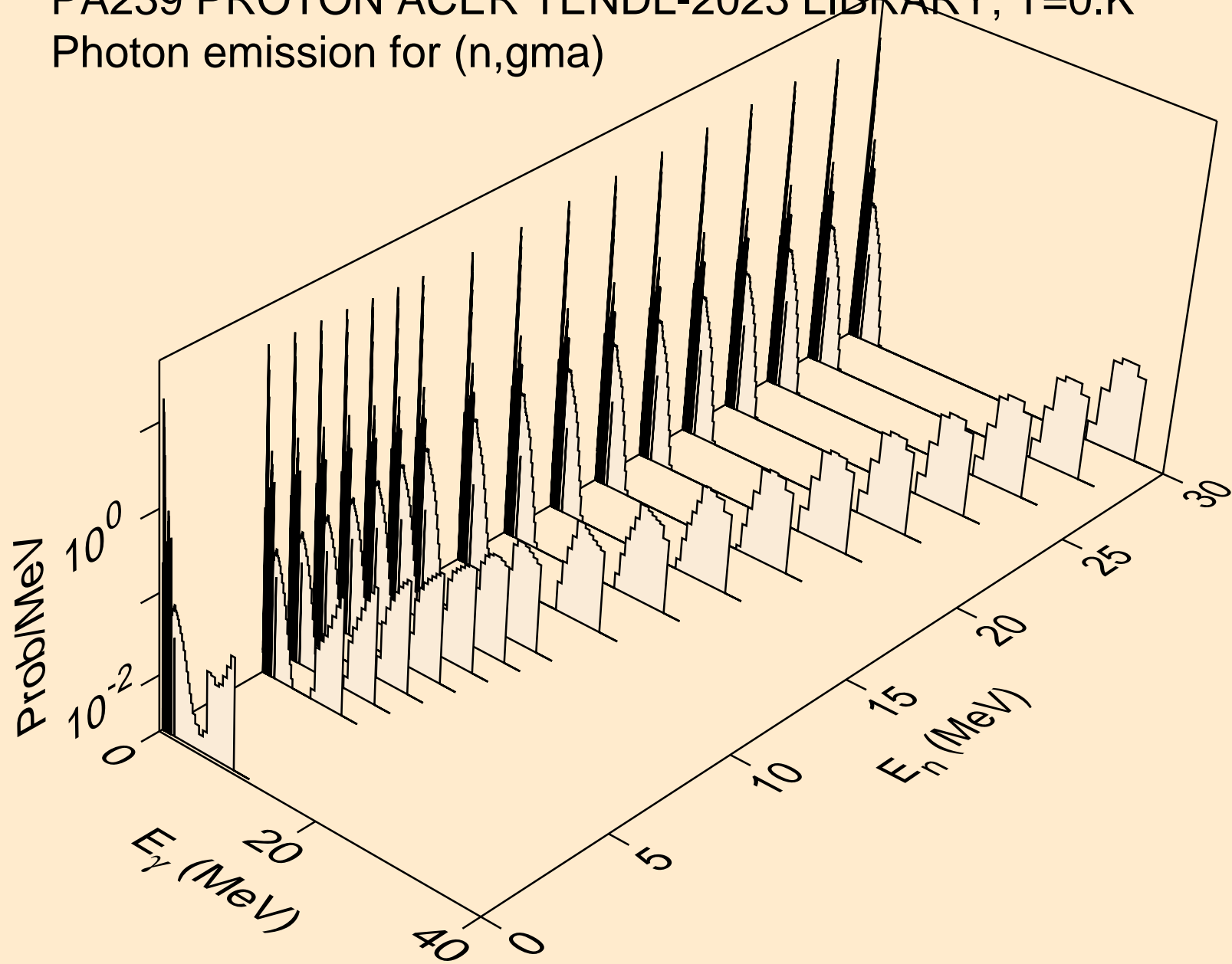




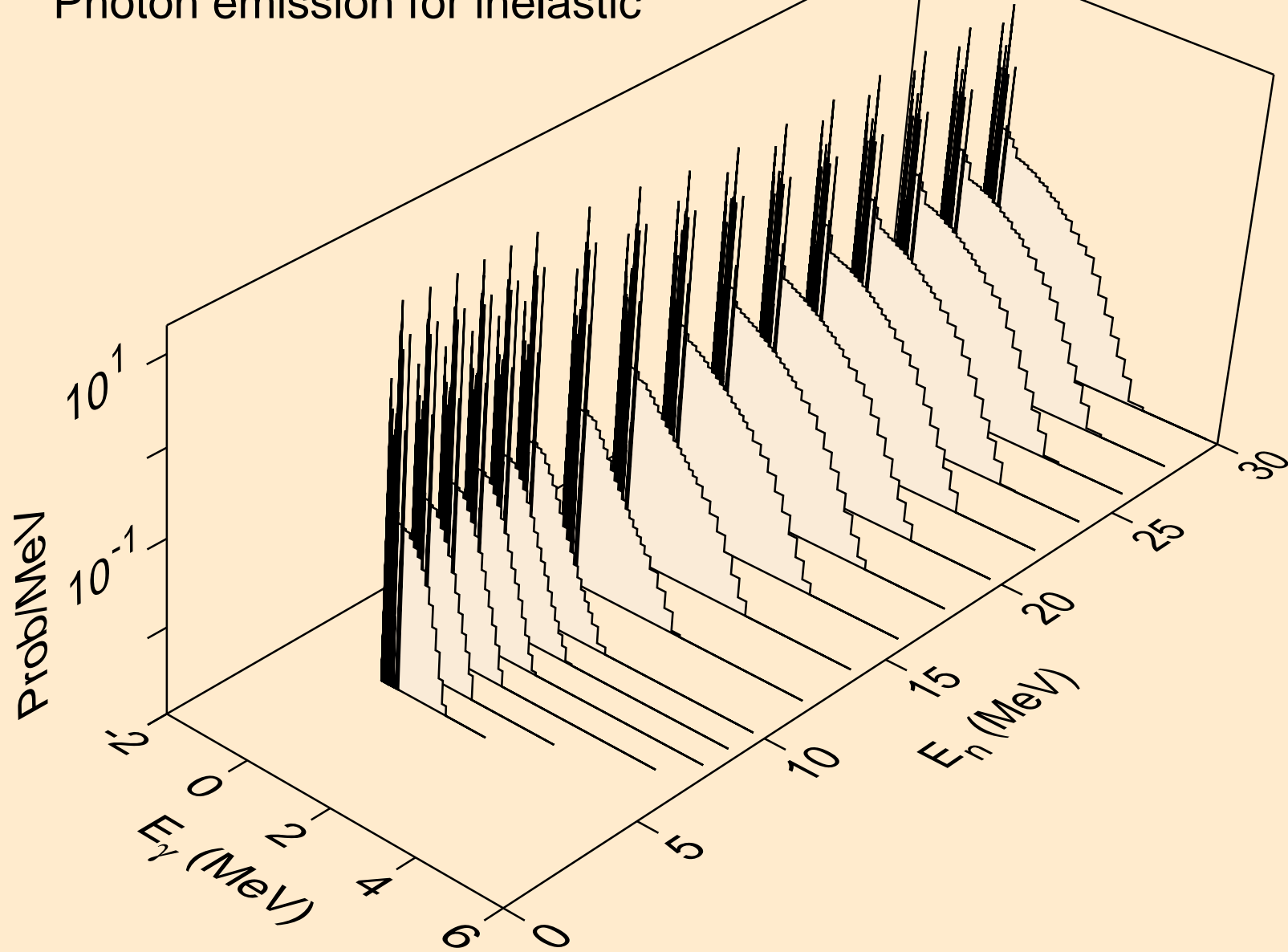
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



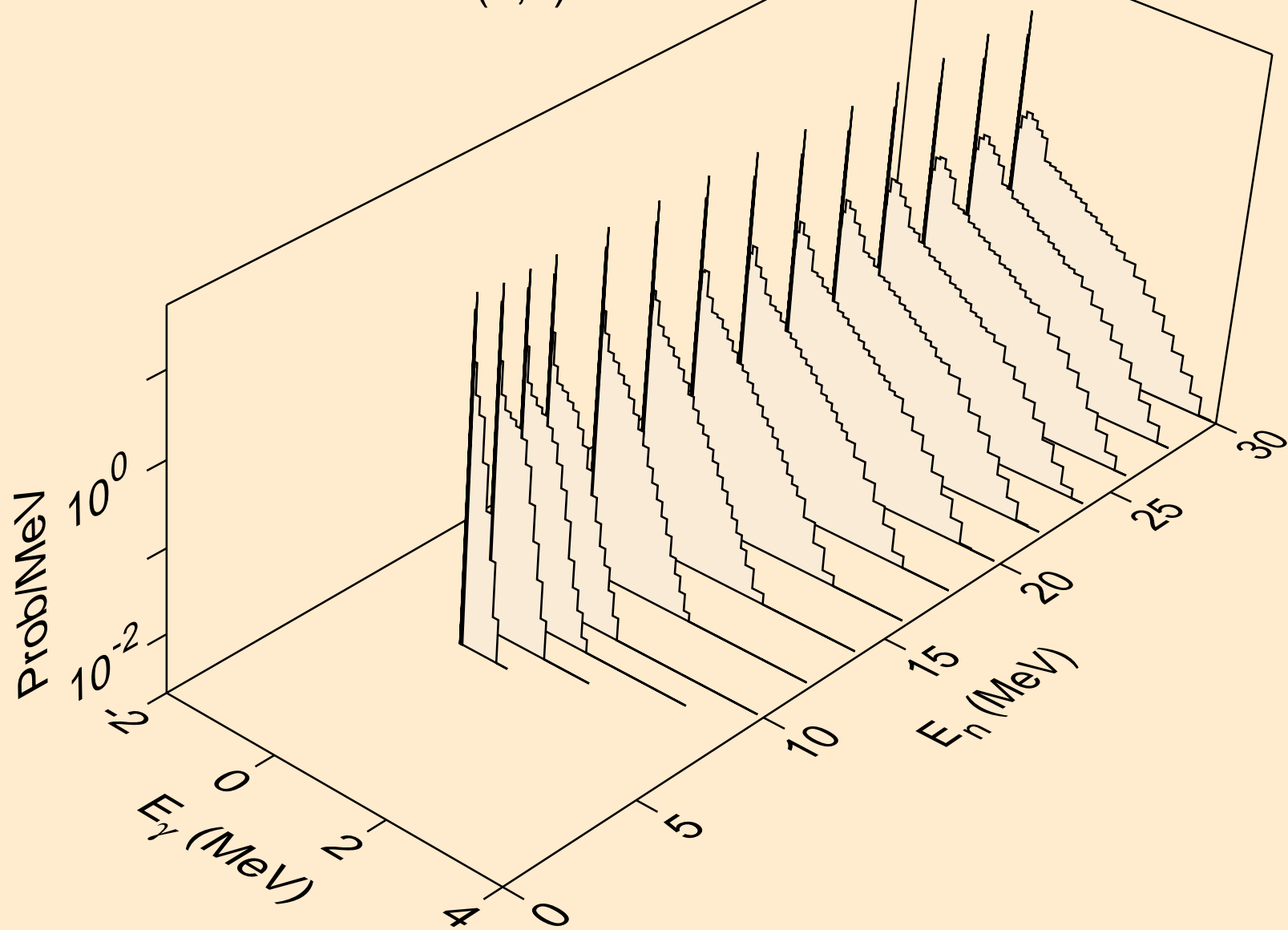
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



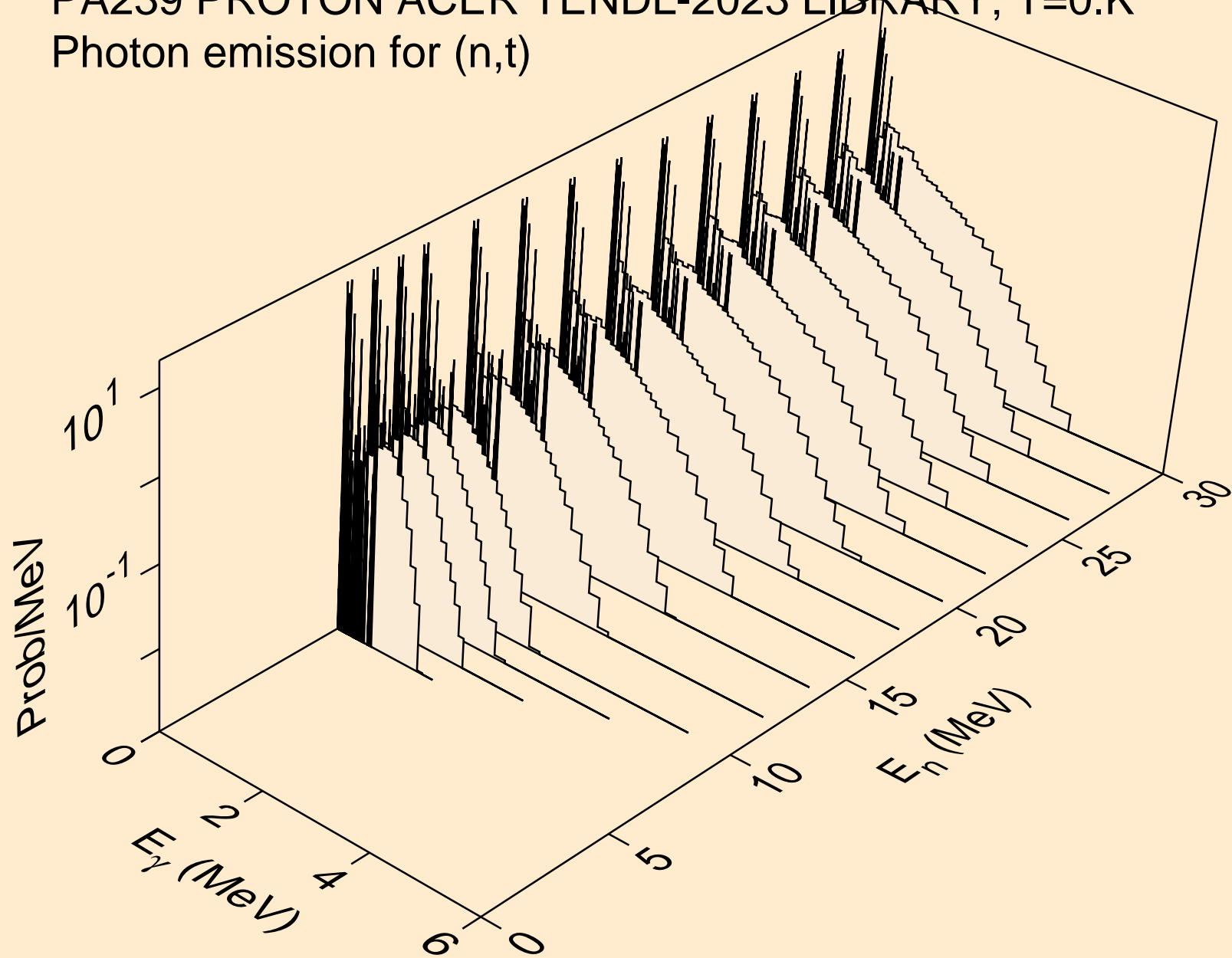
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



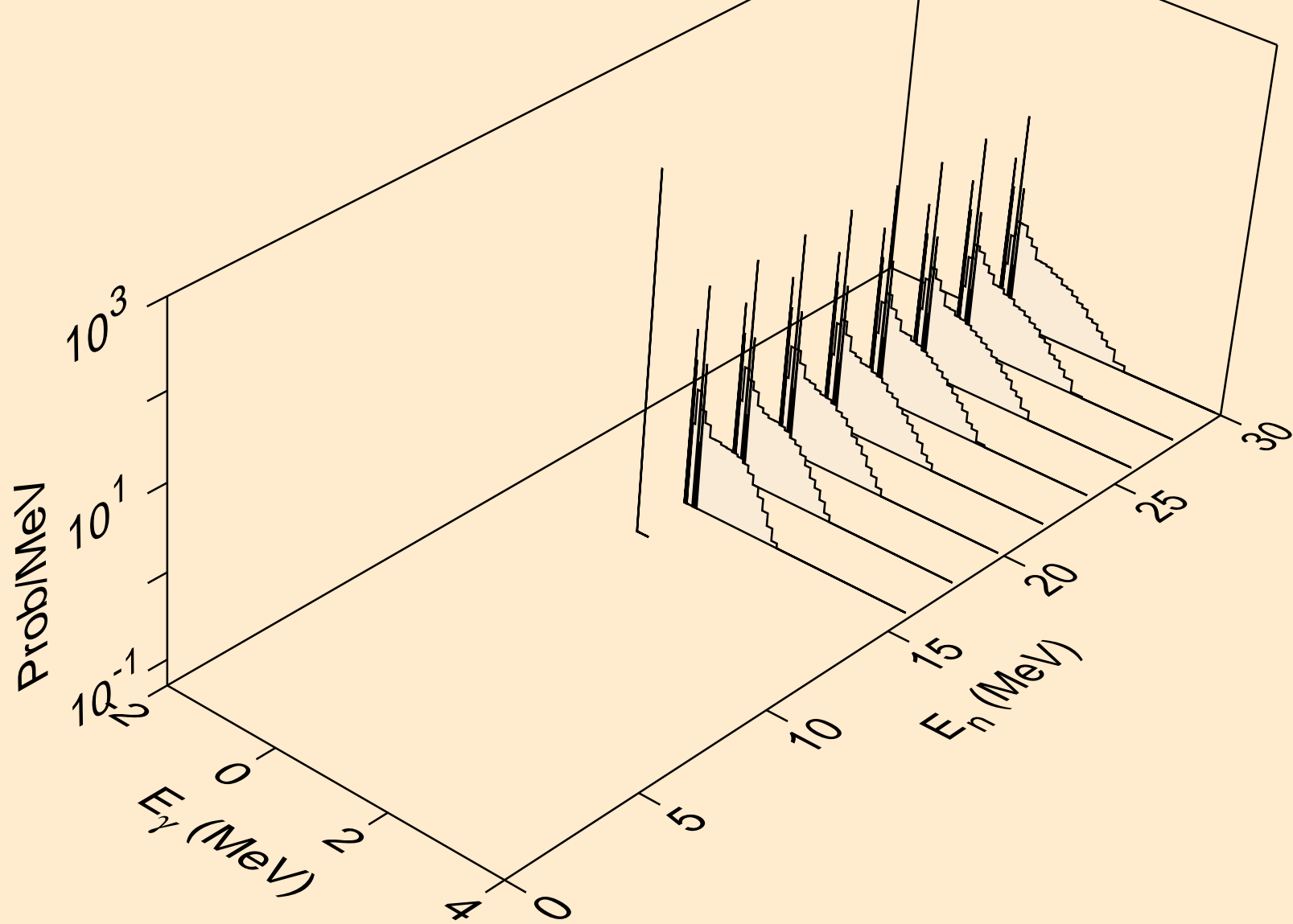
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



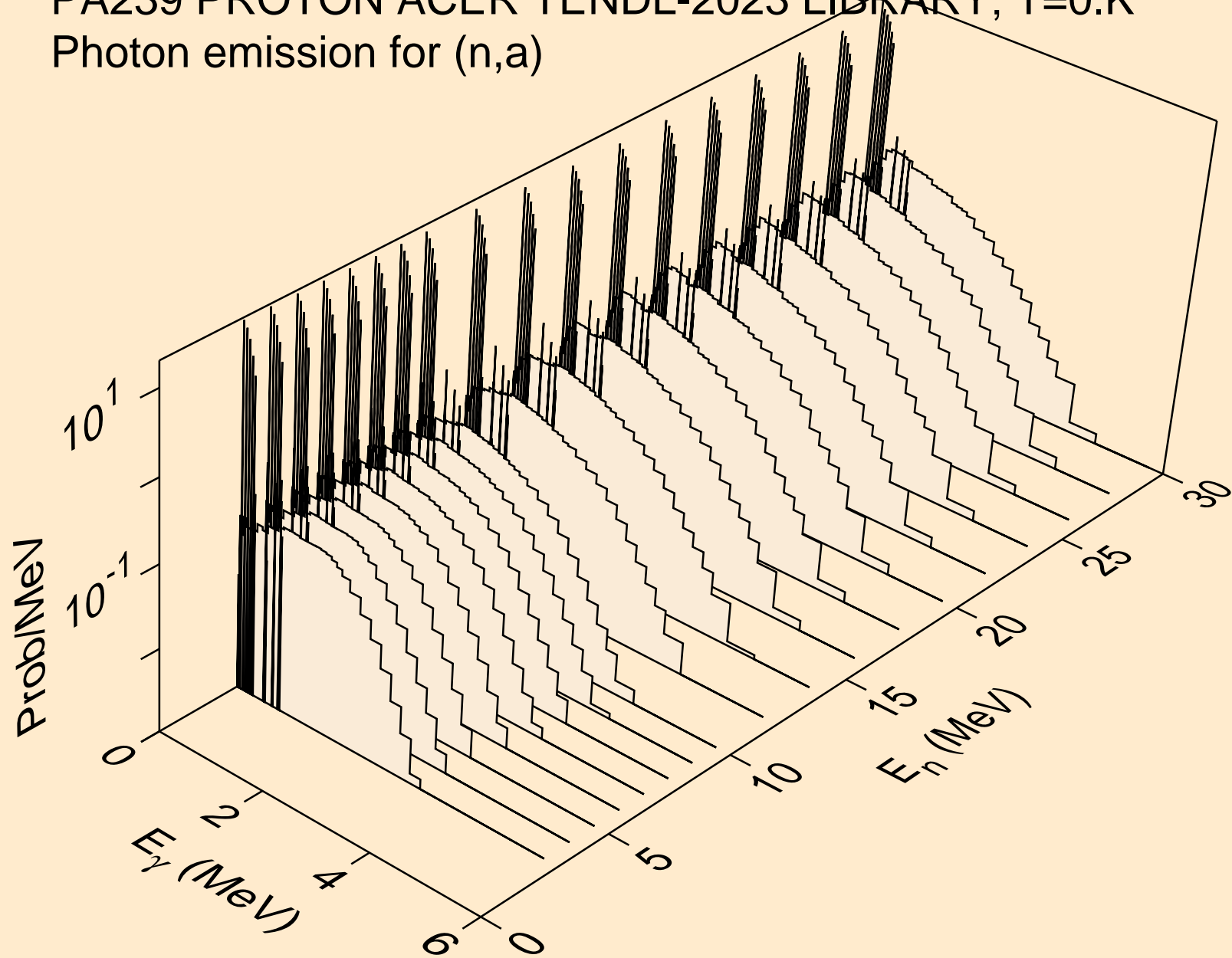
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



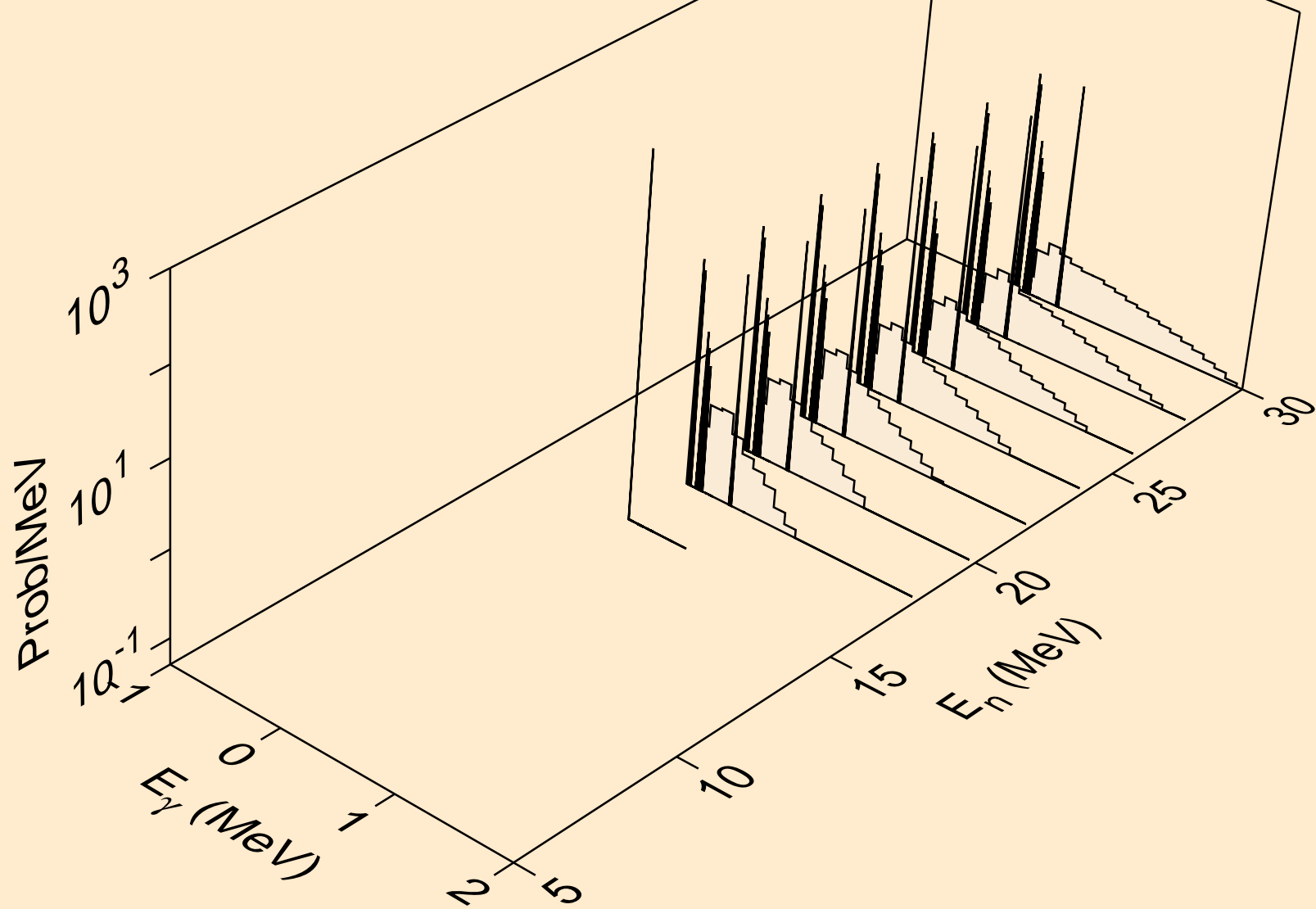
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

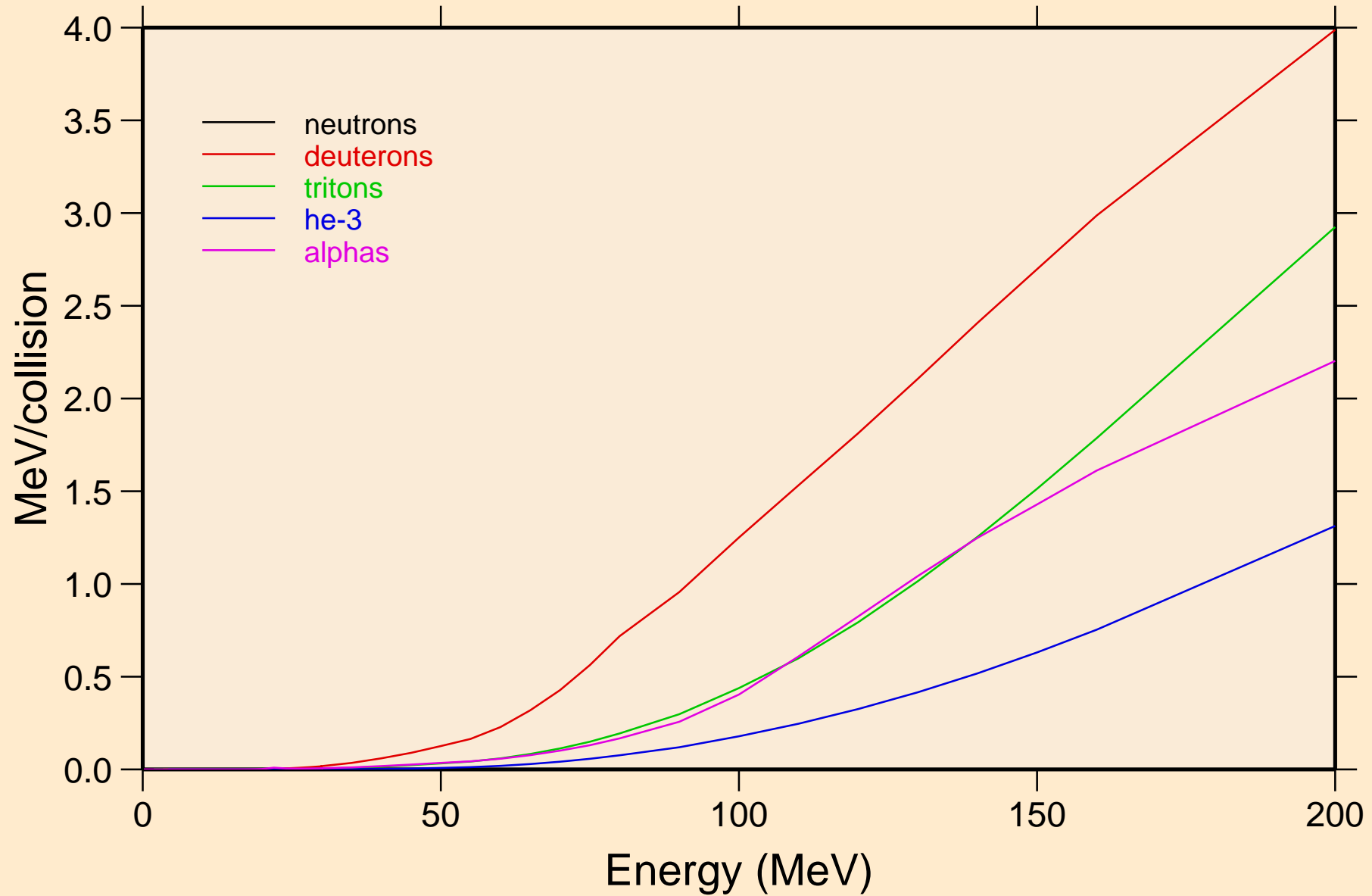


PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)

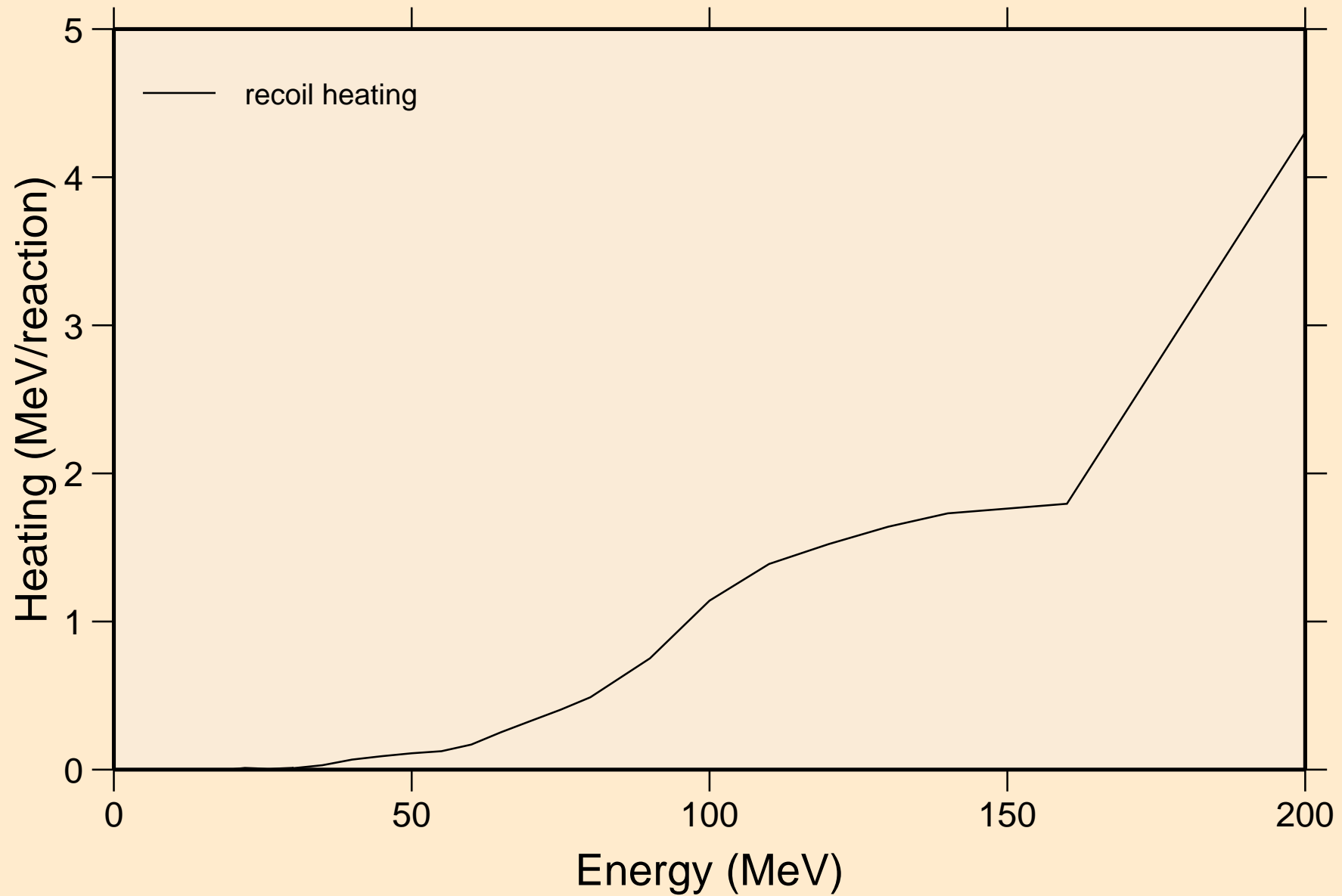




PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions

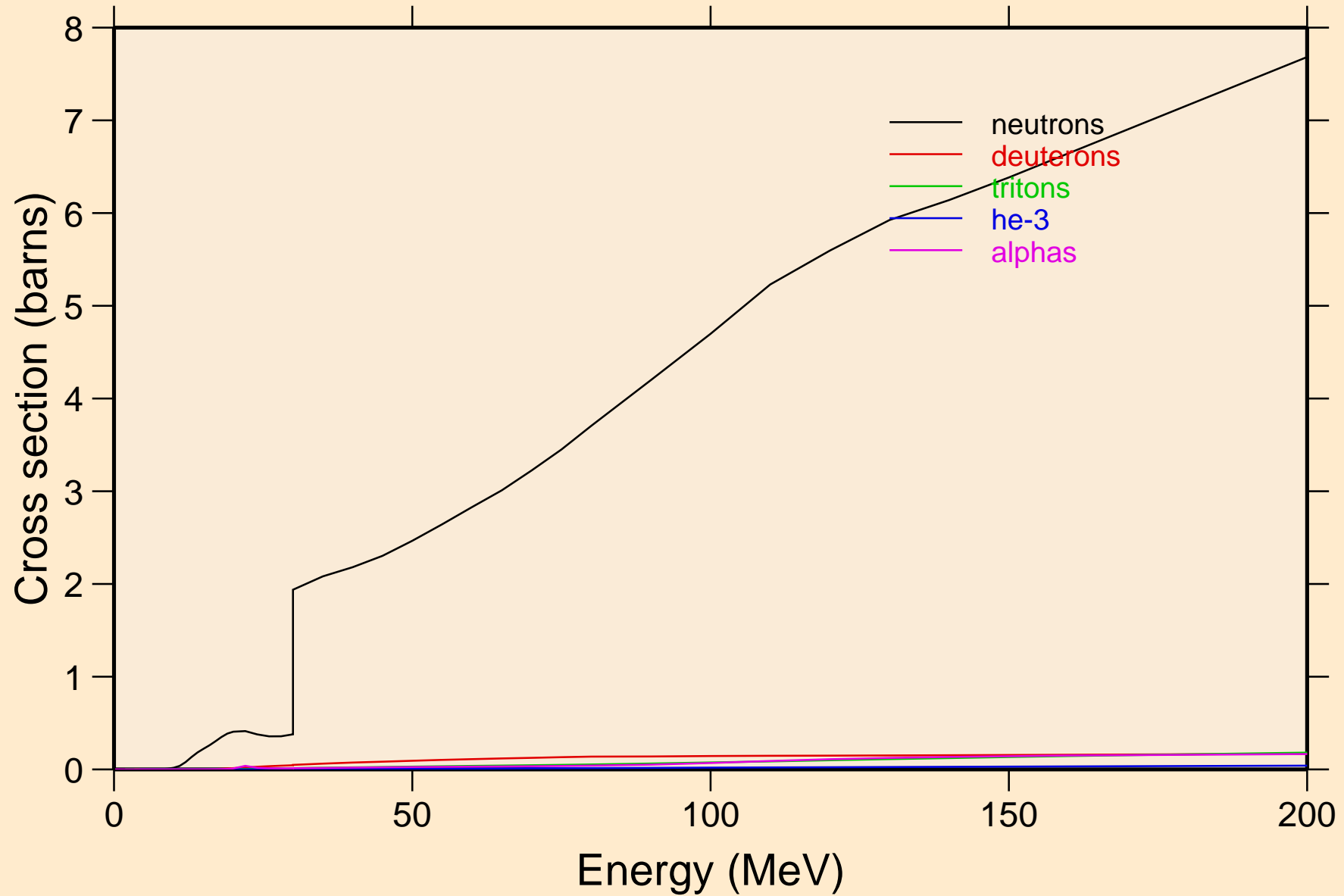


PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

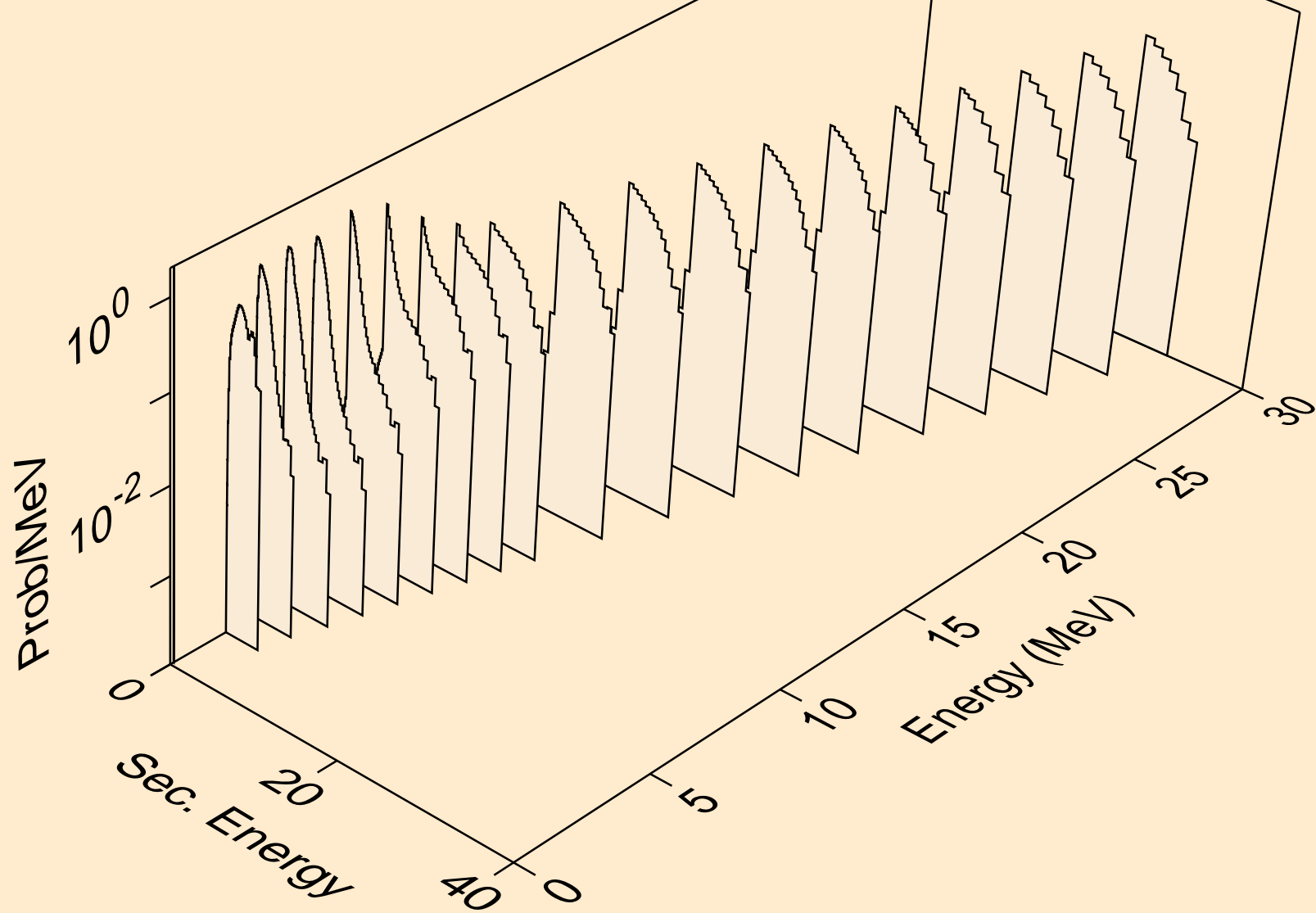


# PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K

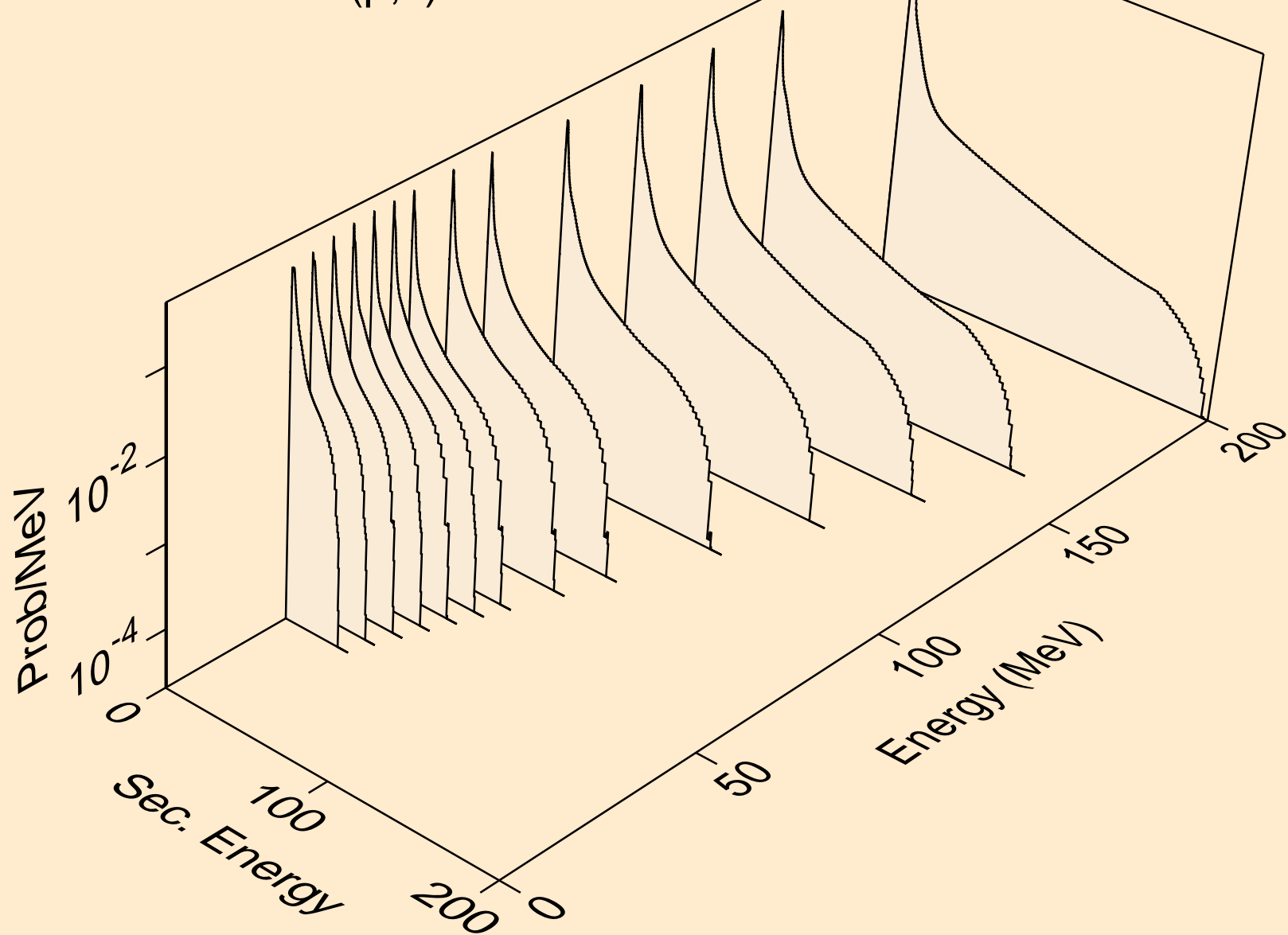
## Particle production cross sections



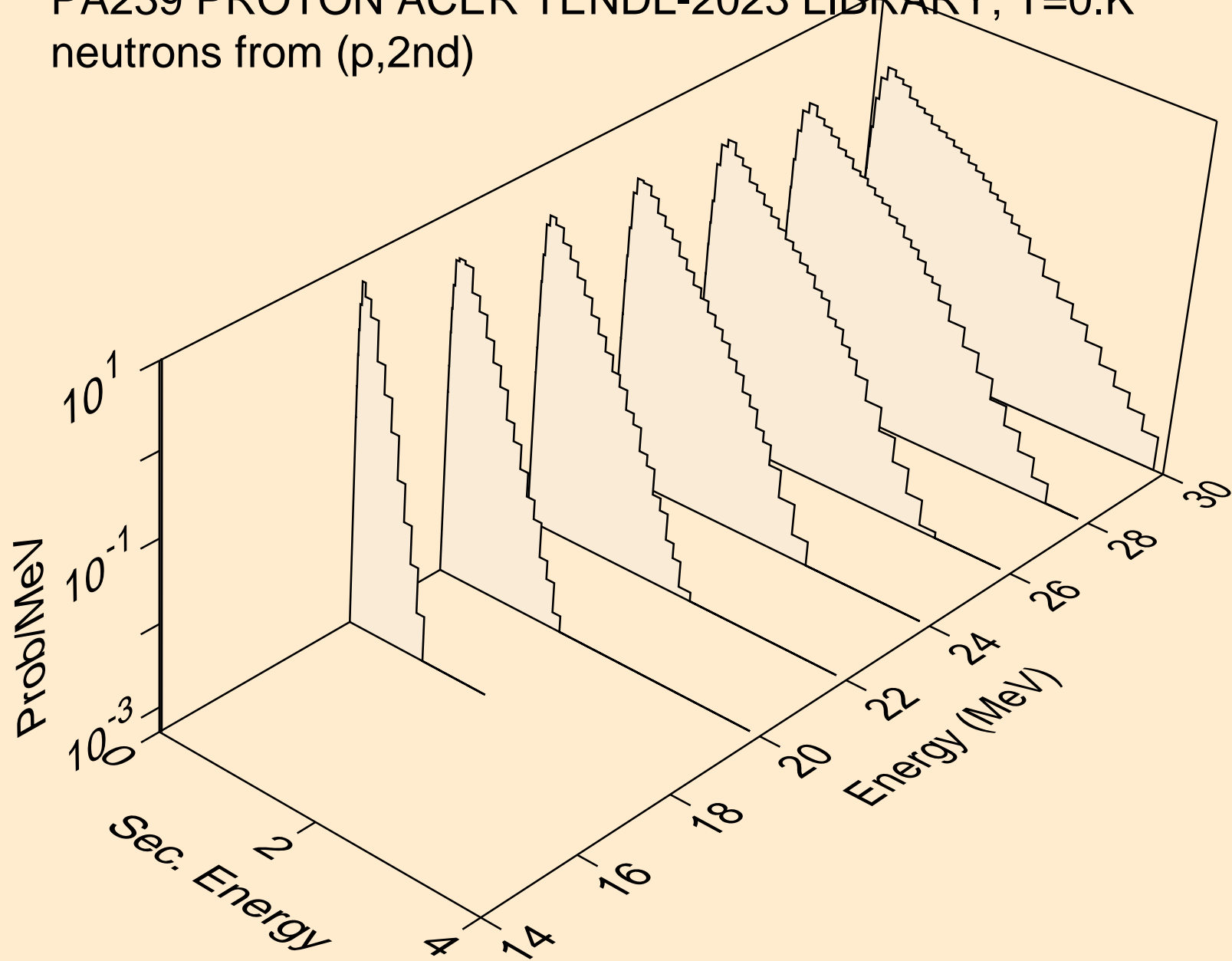
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



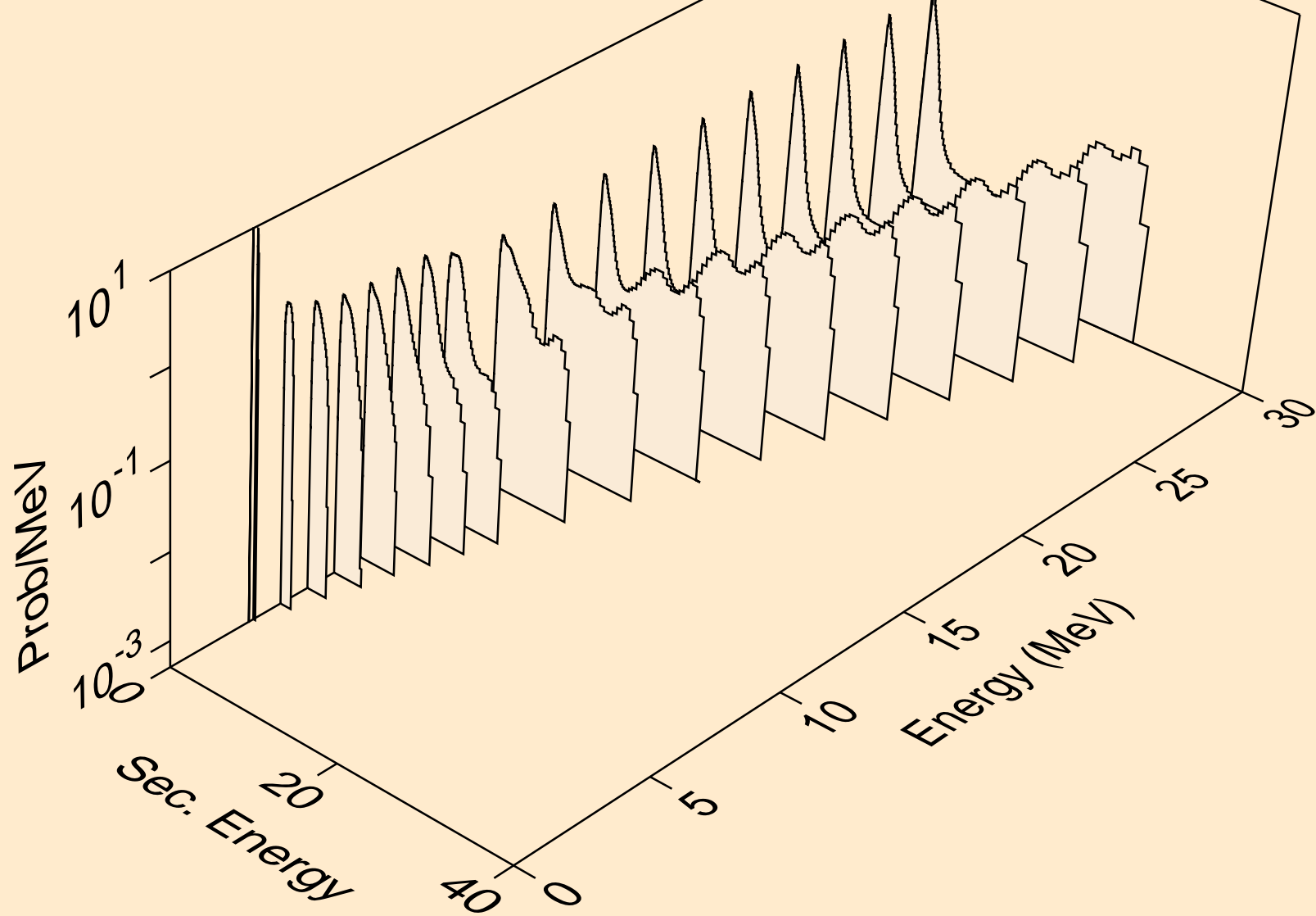
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)



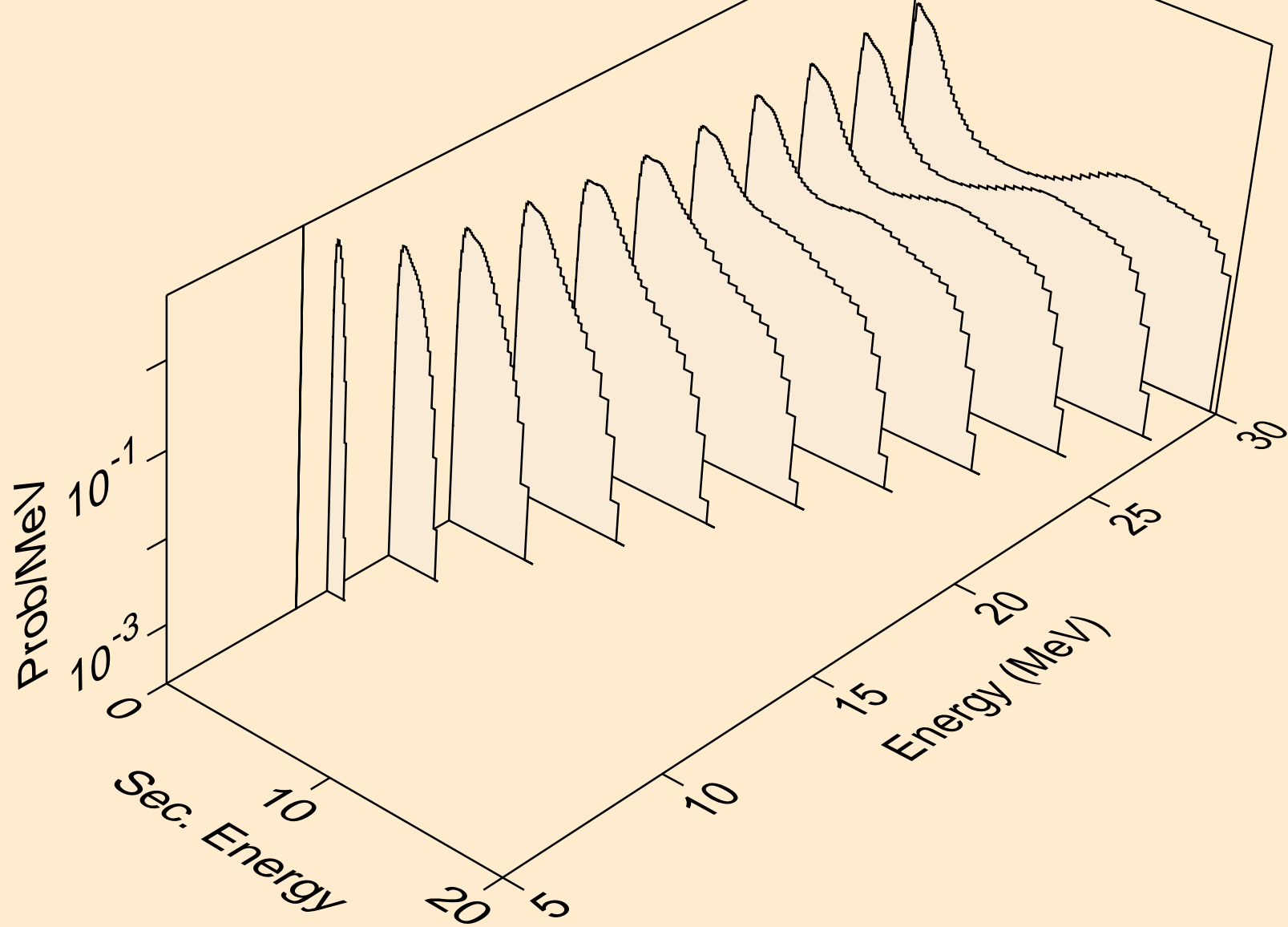
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2nd)



PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)

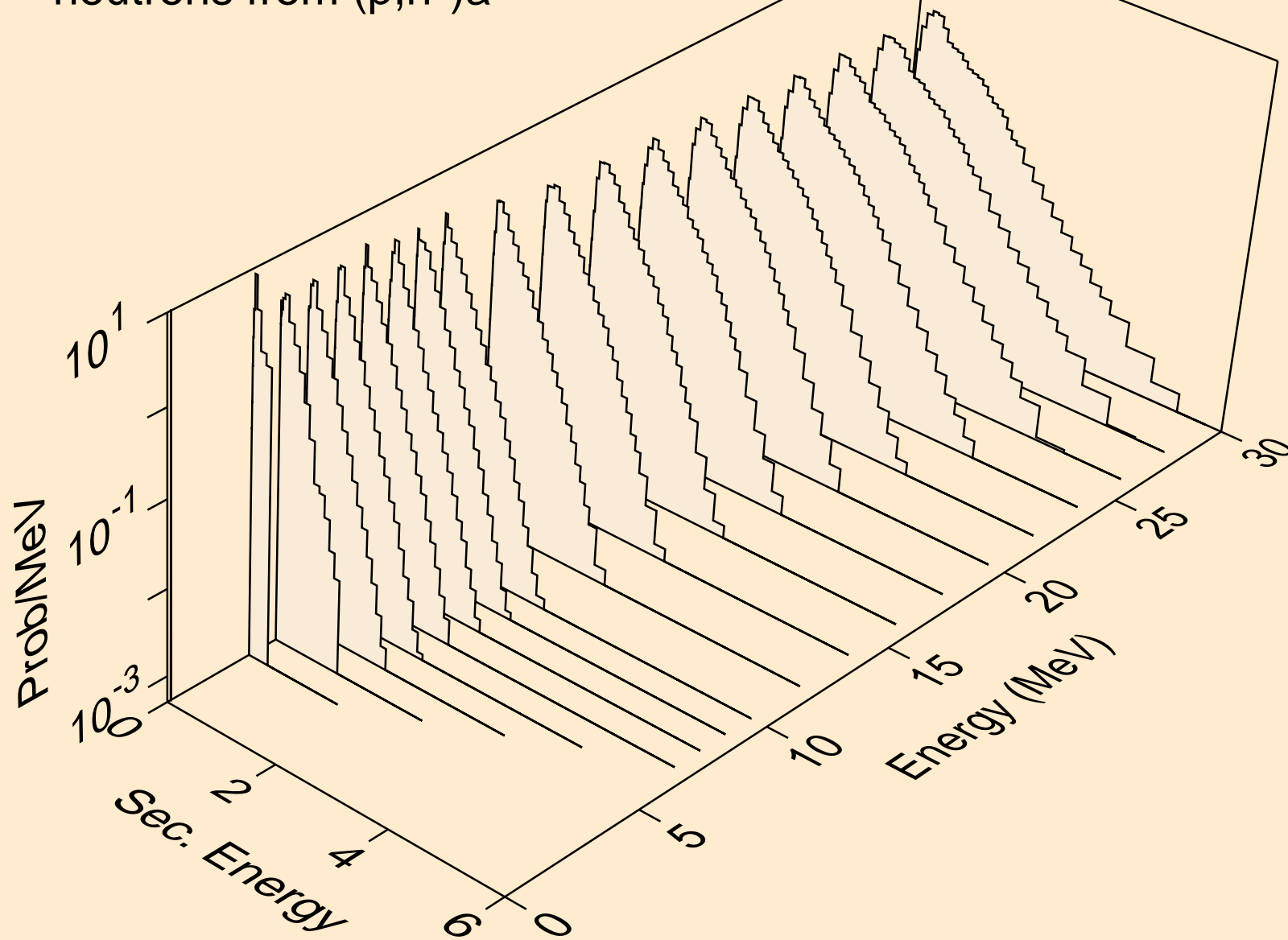


PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3n)

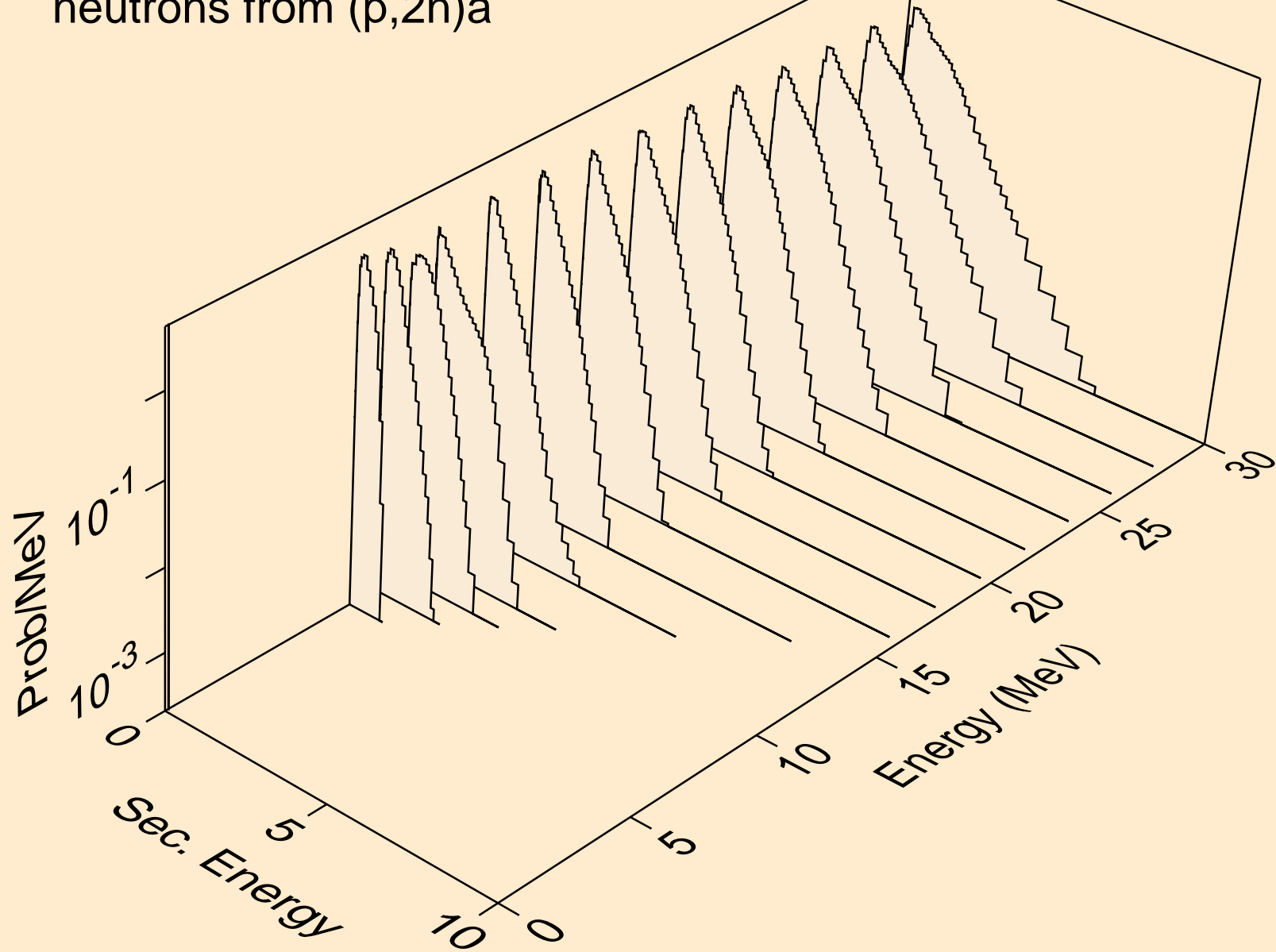




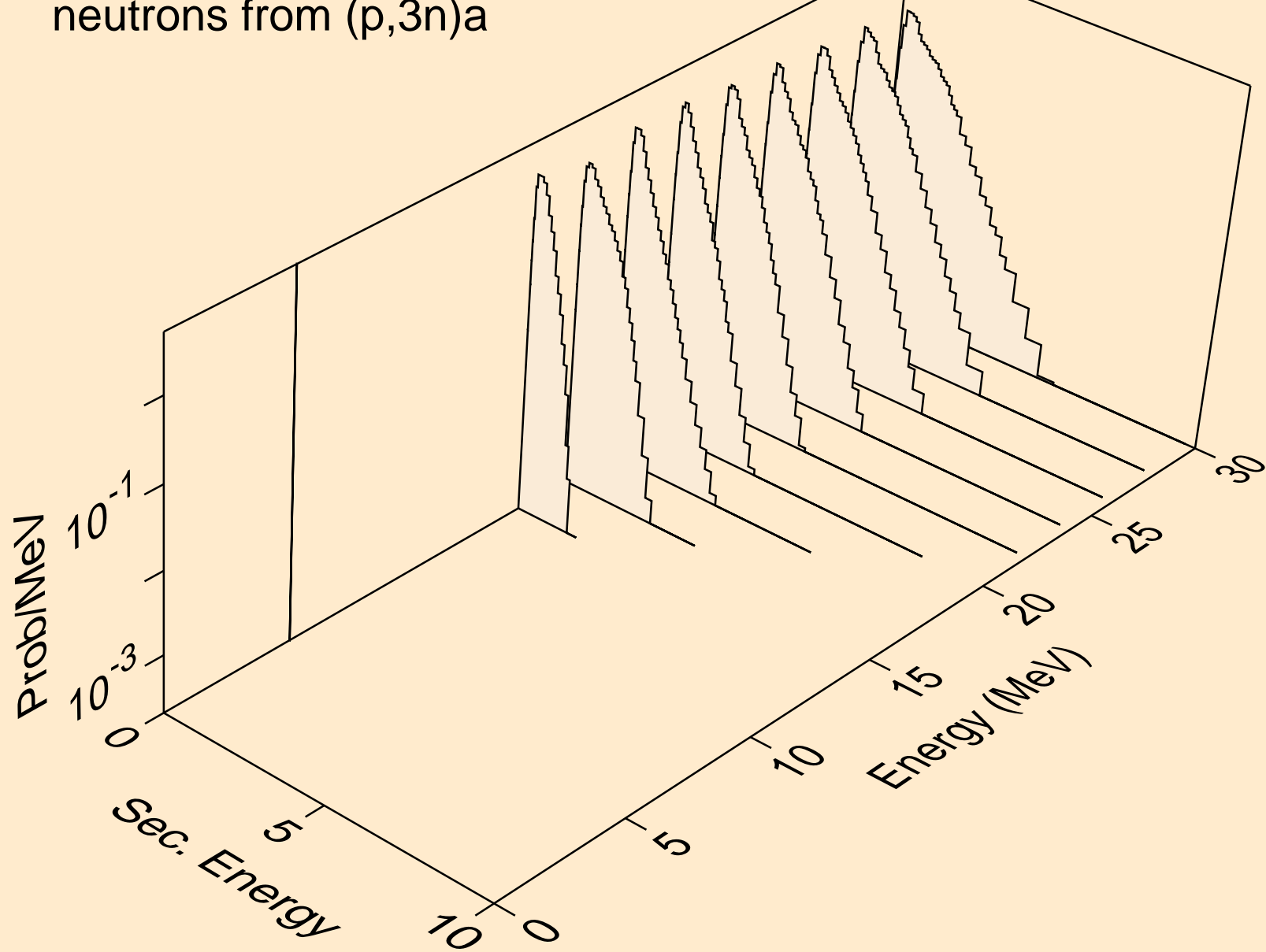
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a



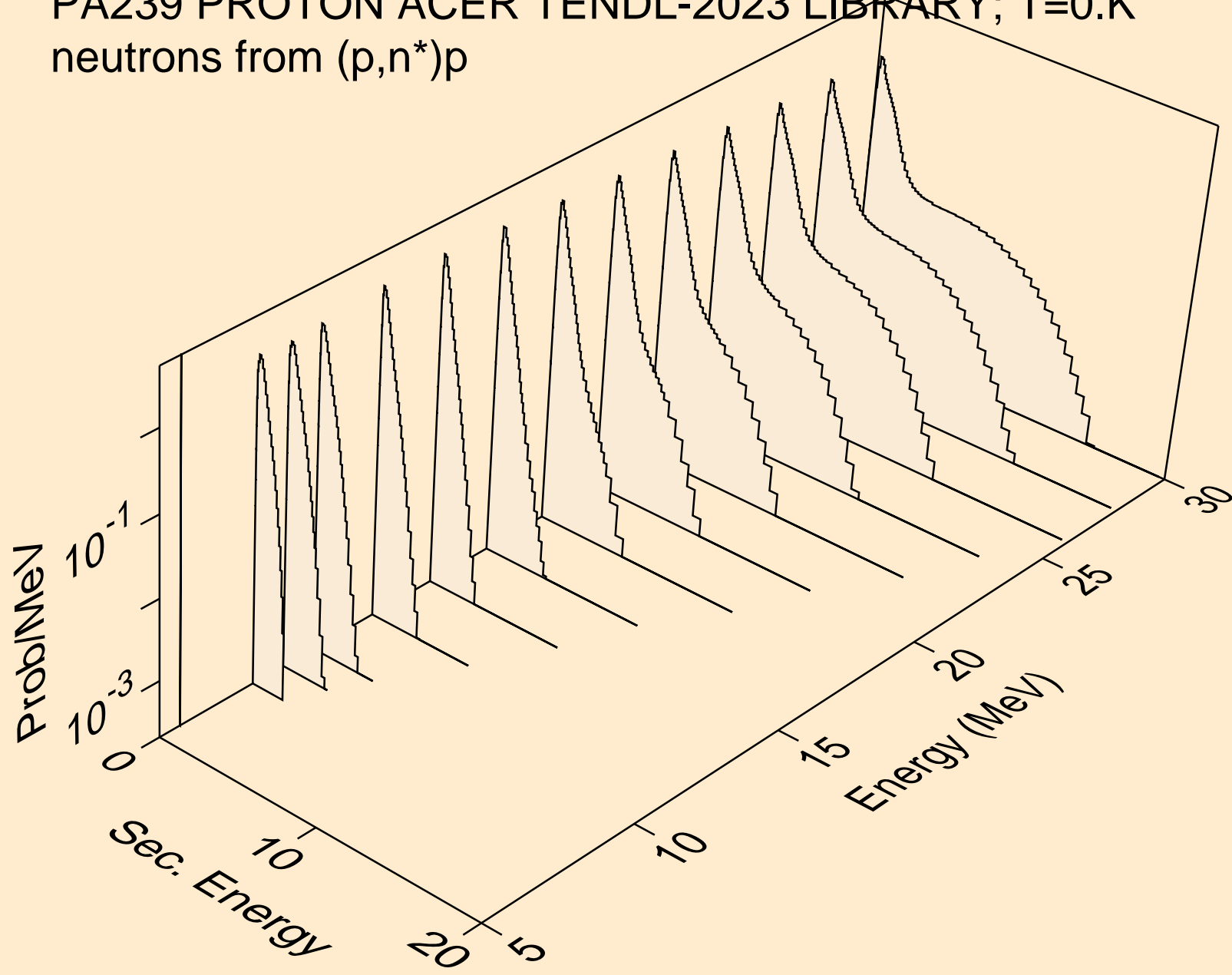
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)a



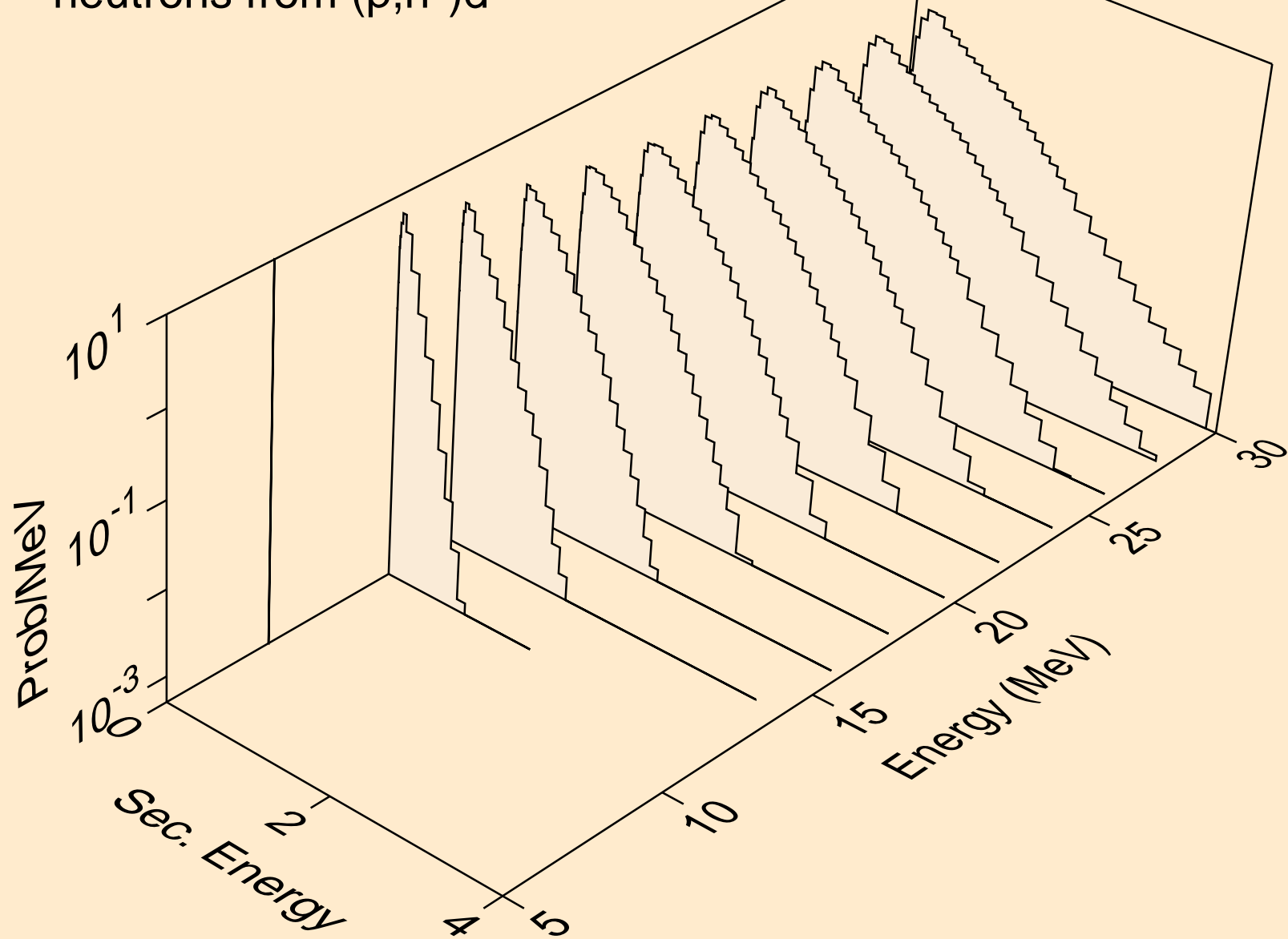
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3n)a



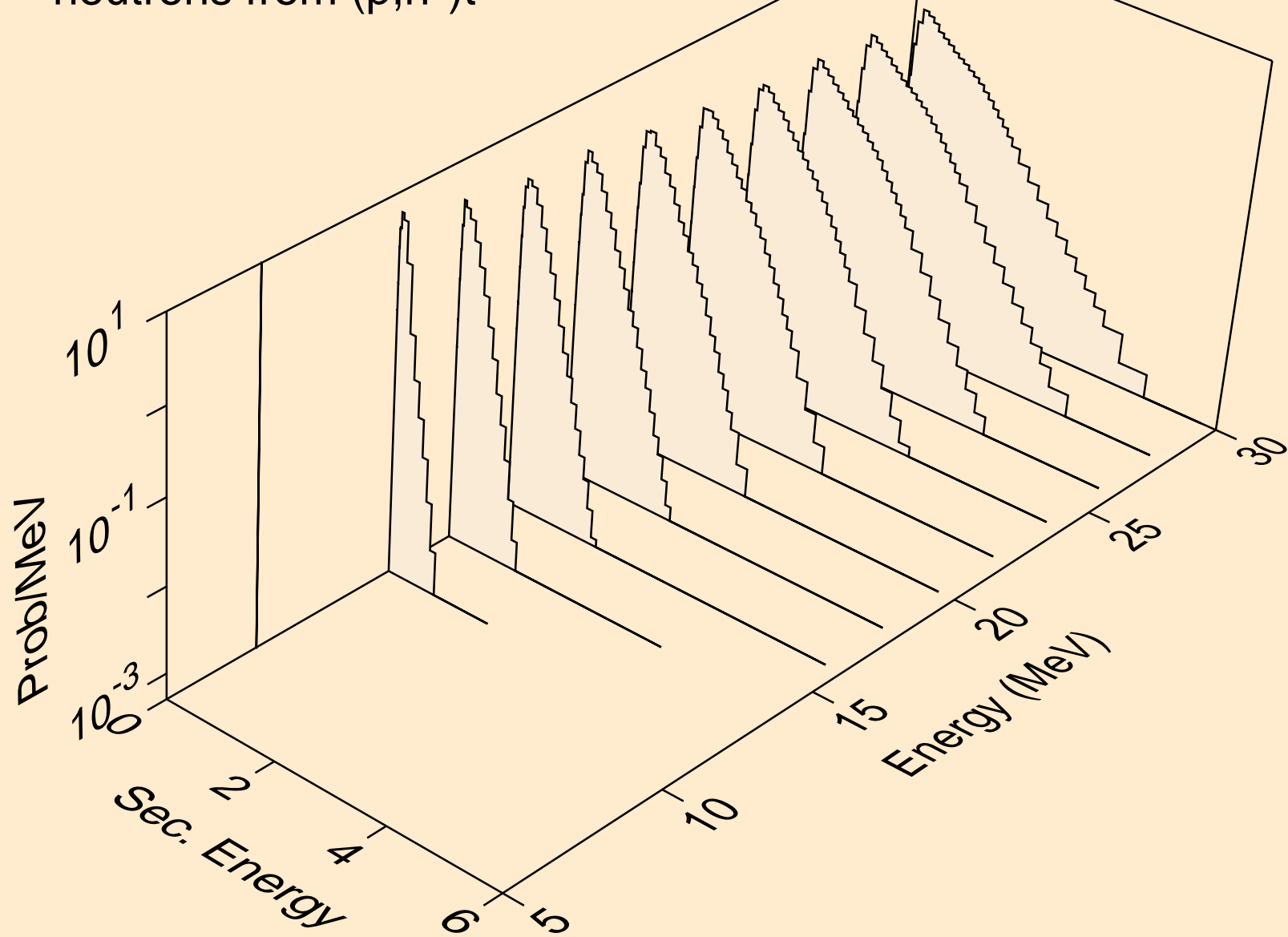
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)p



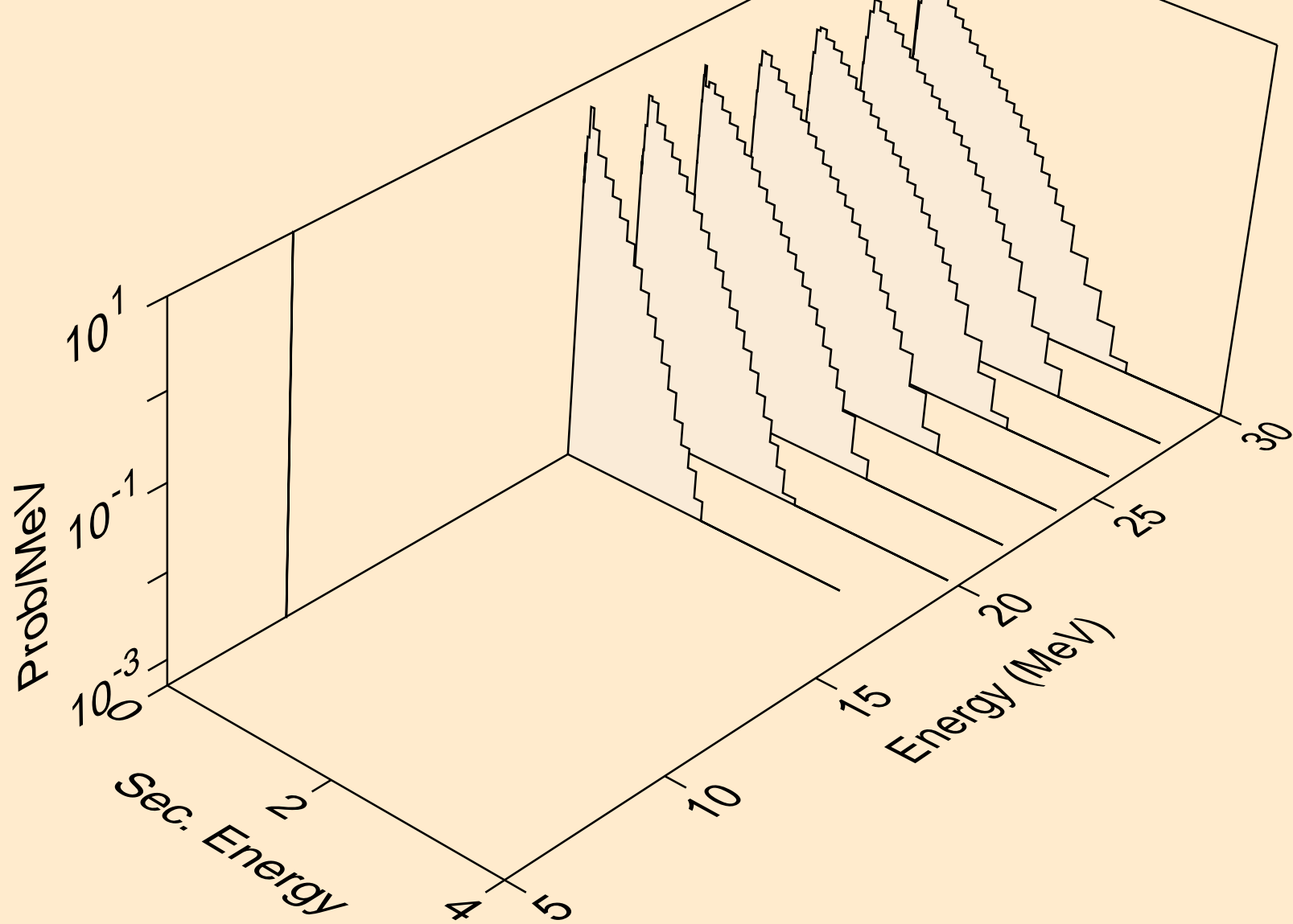
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)d



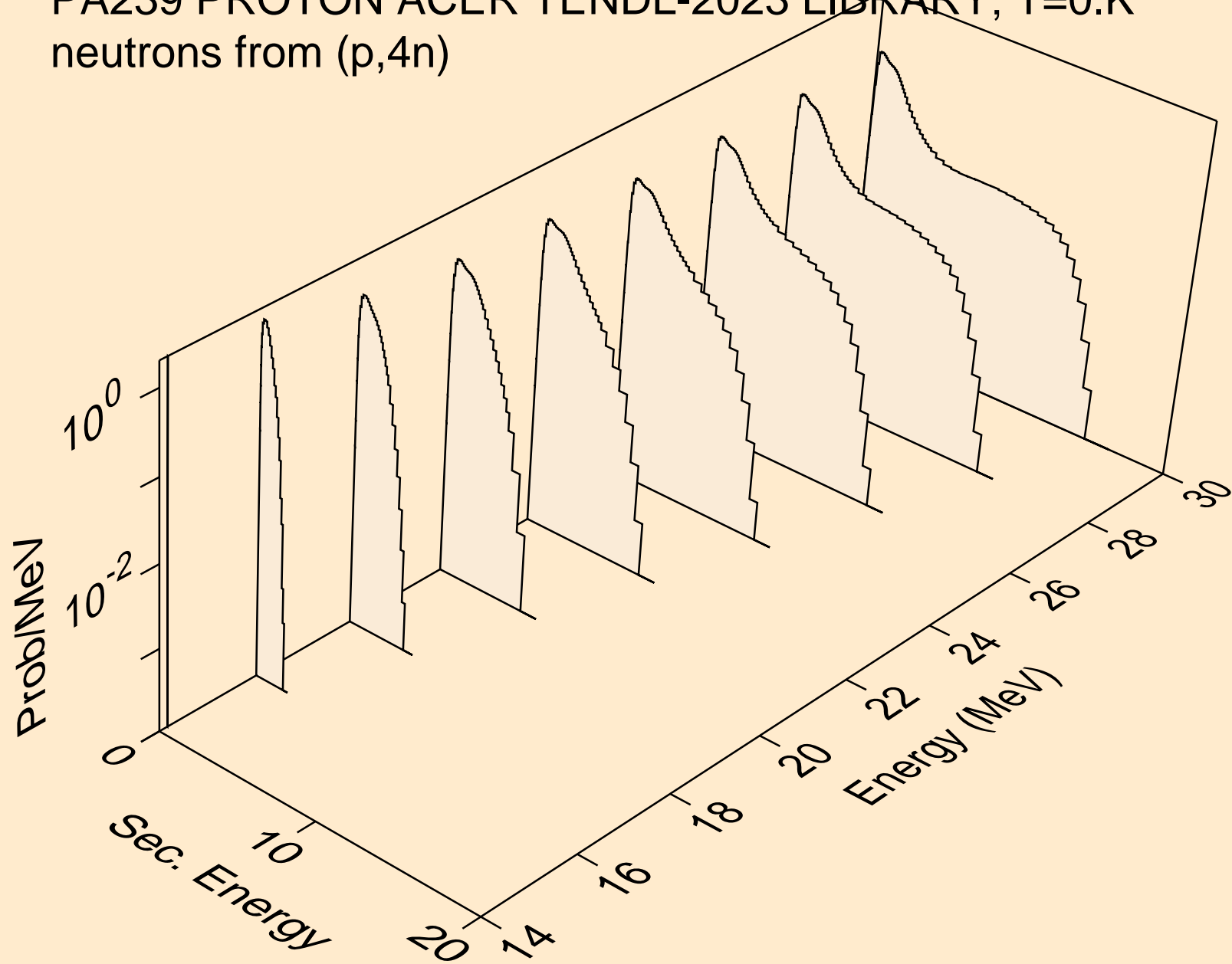
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)t



PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3

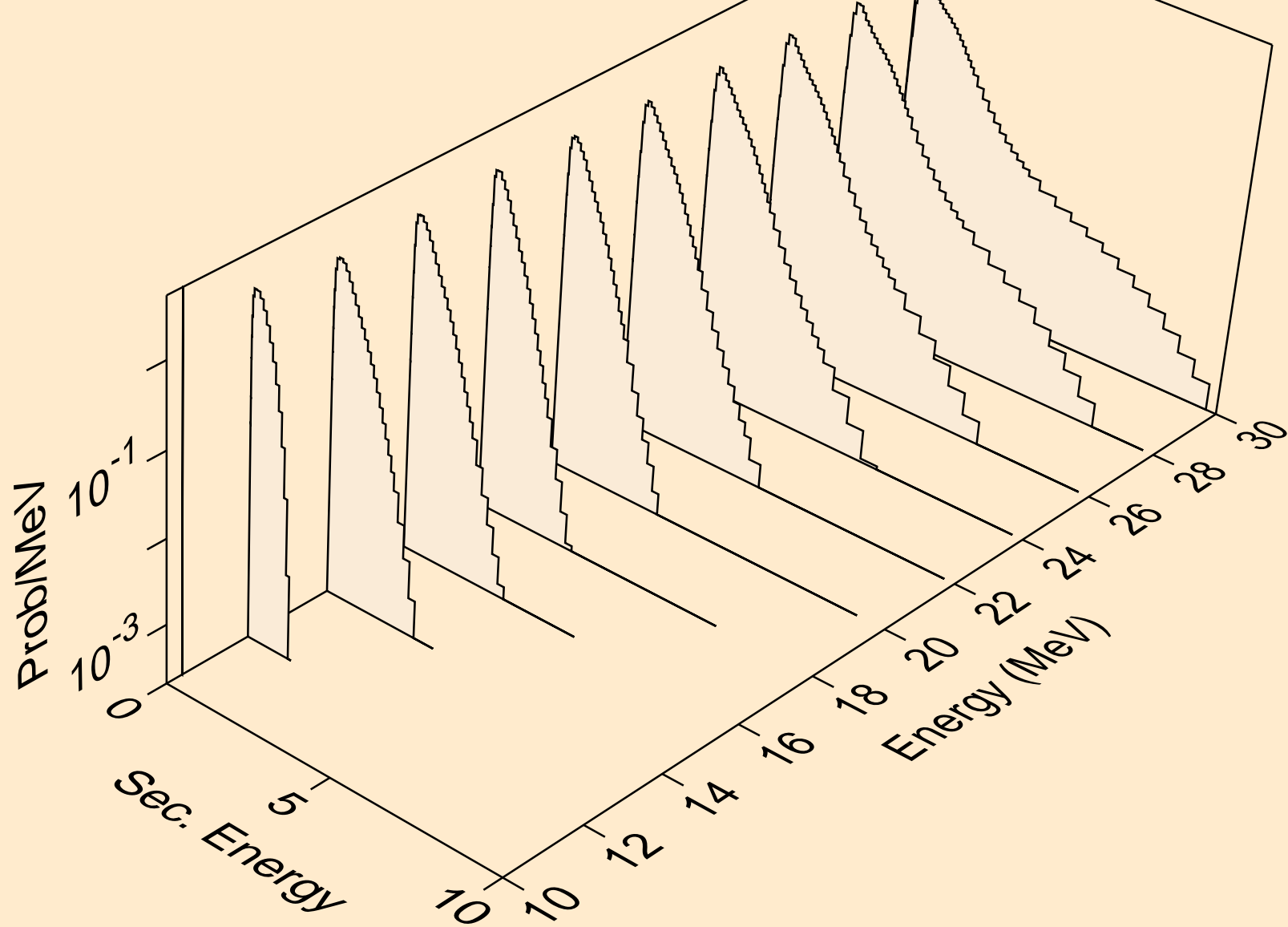


PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,4n)

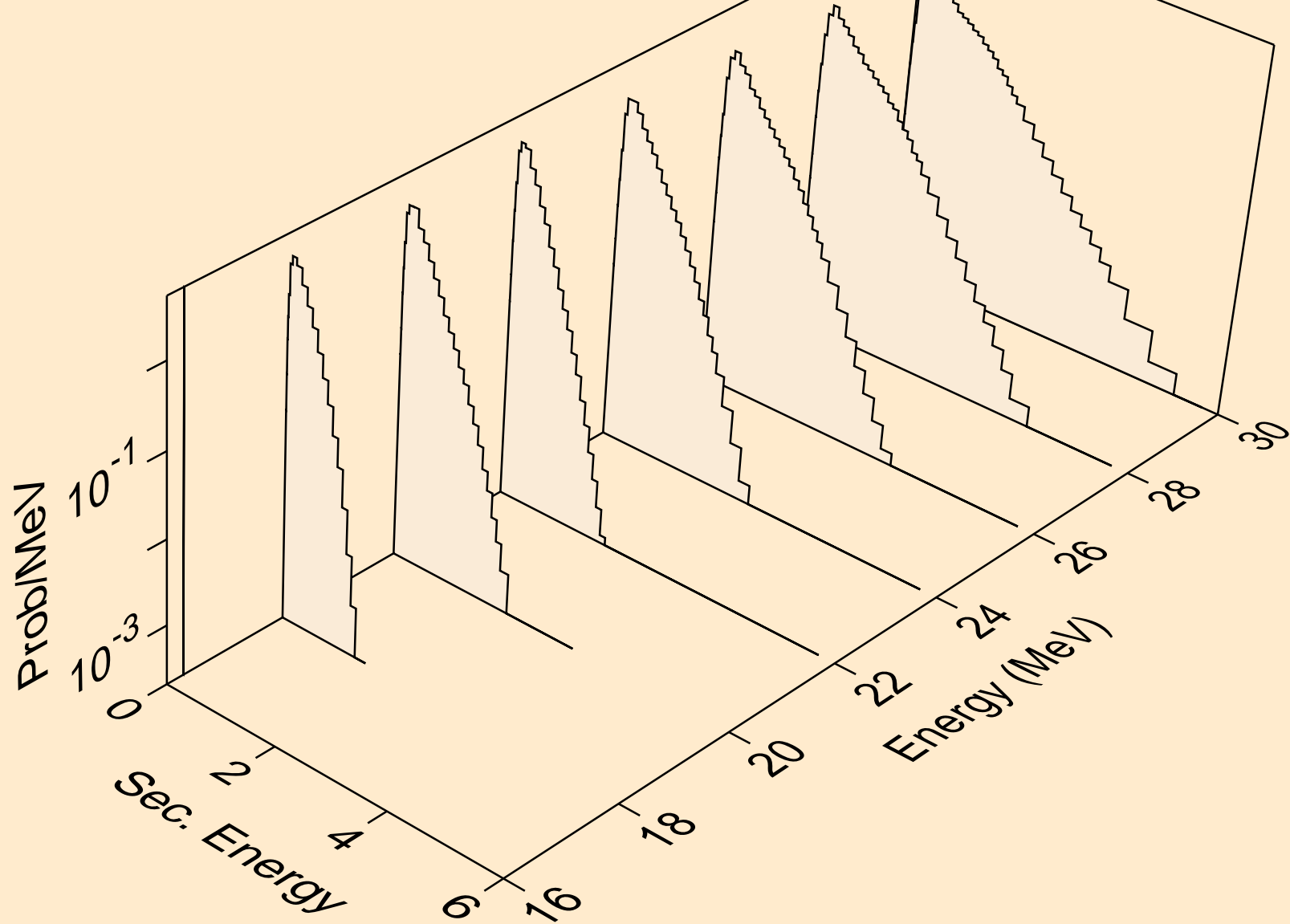




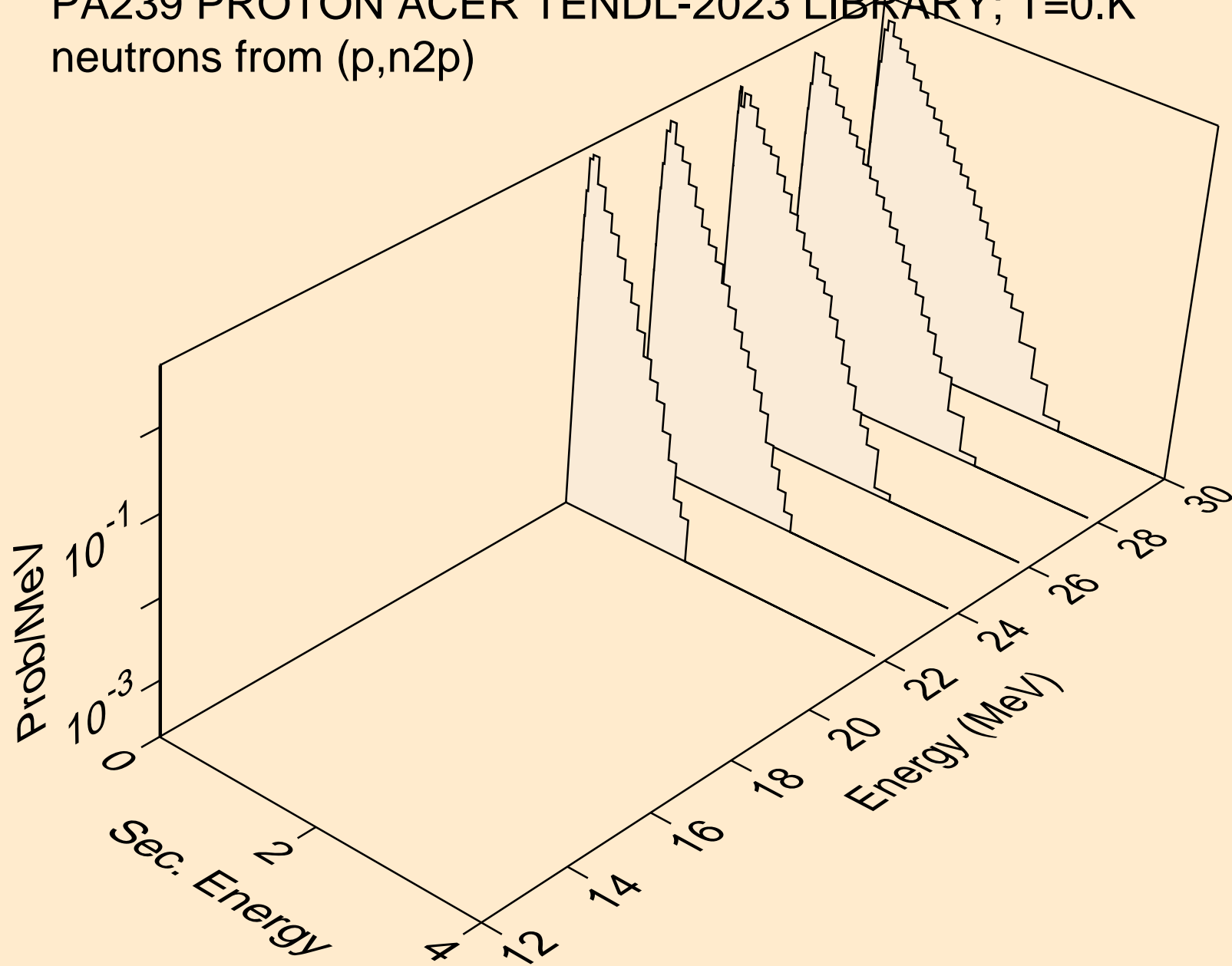
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2np)



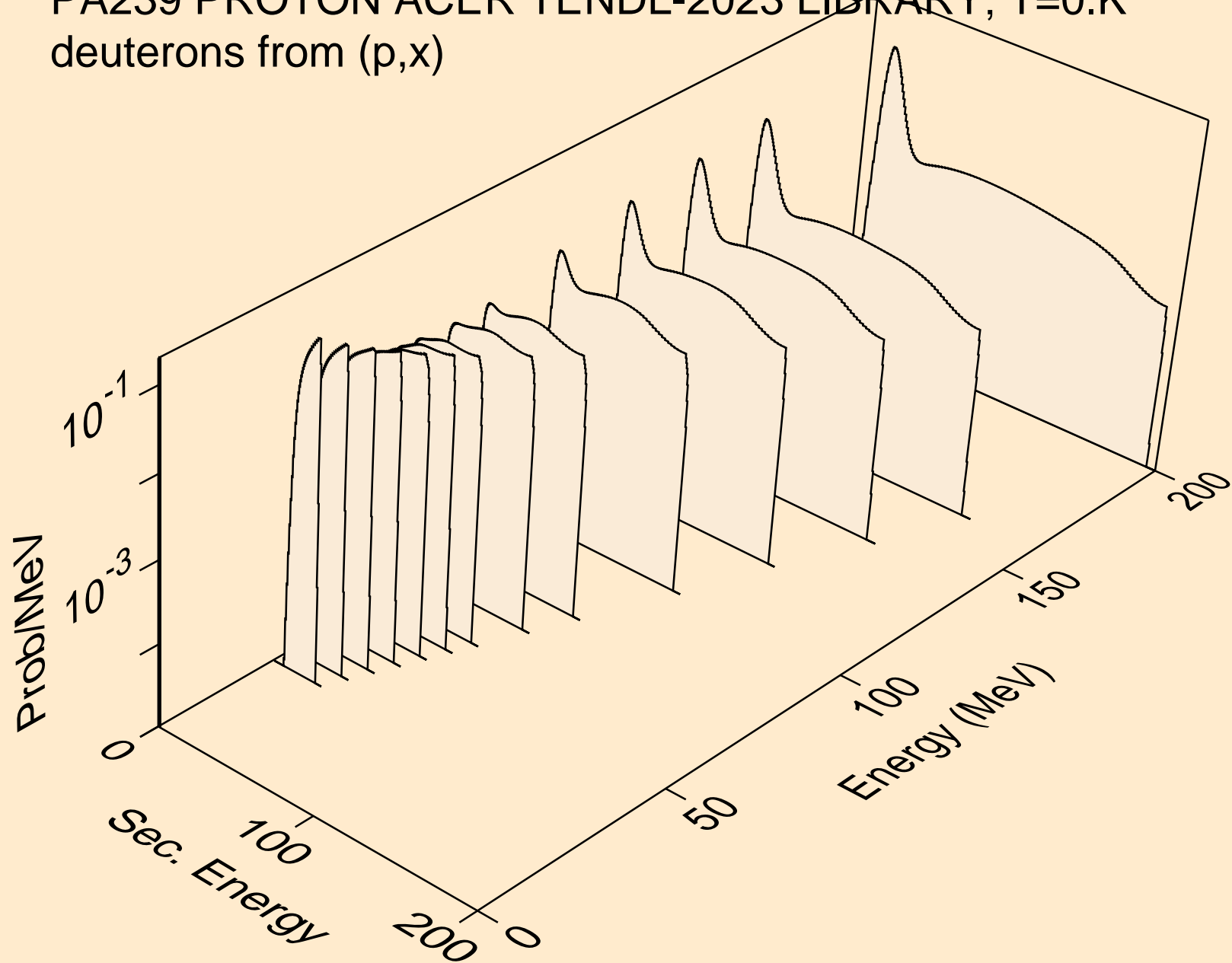
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3np)



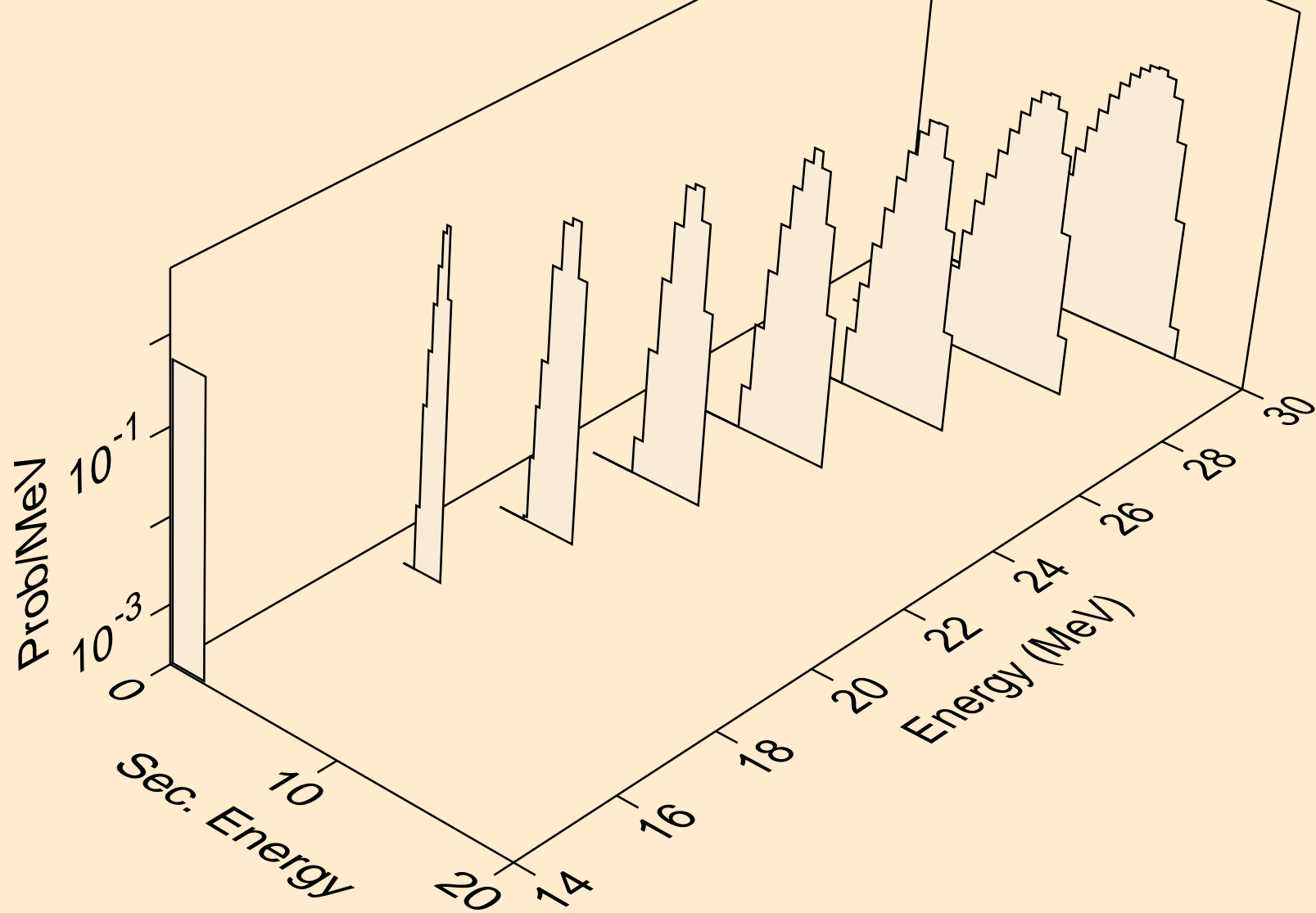
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n2p)



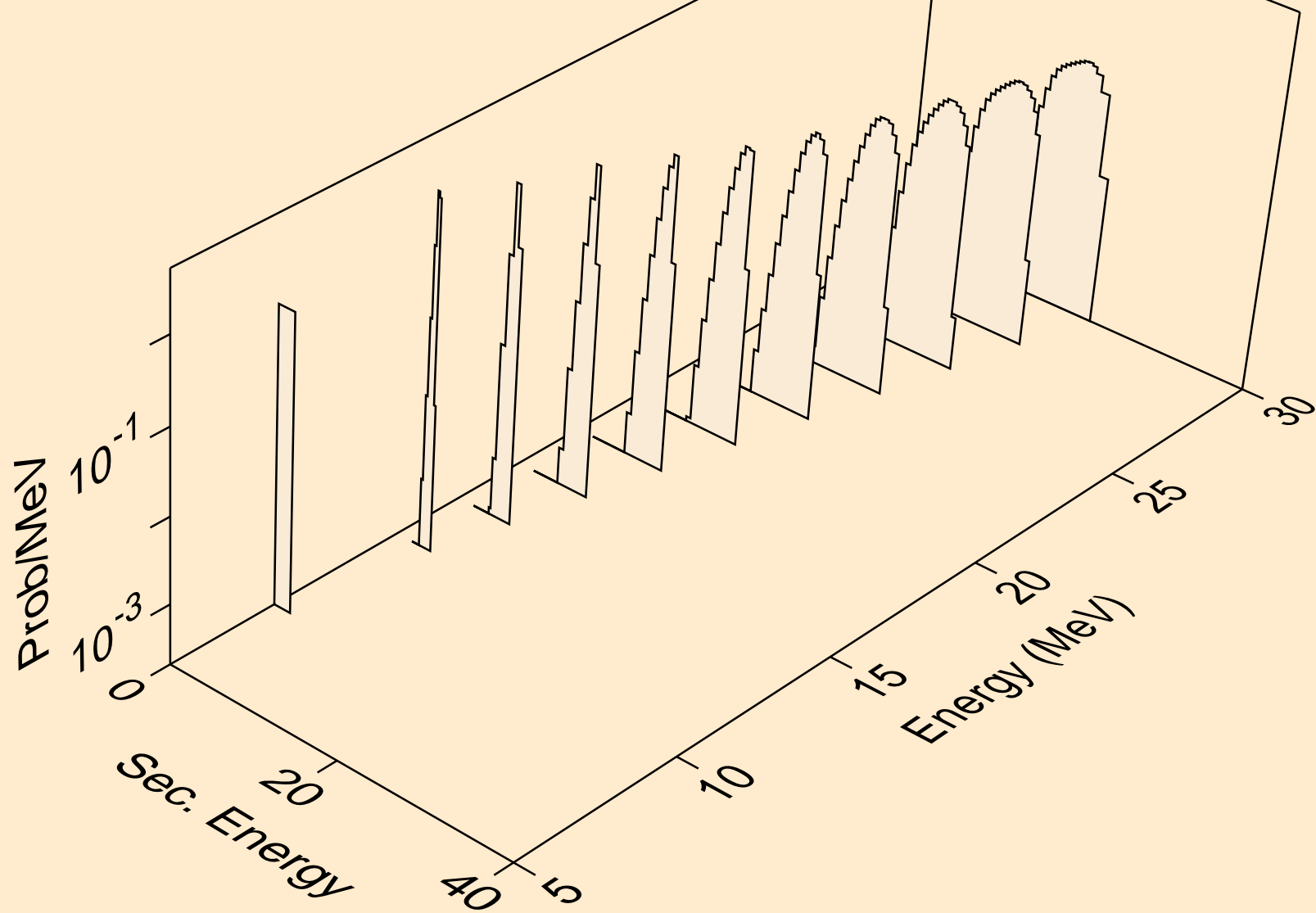
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,x)



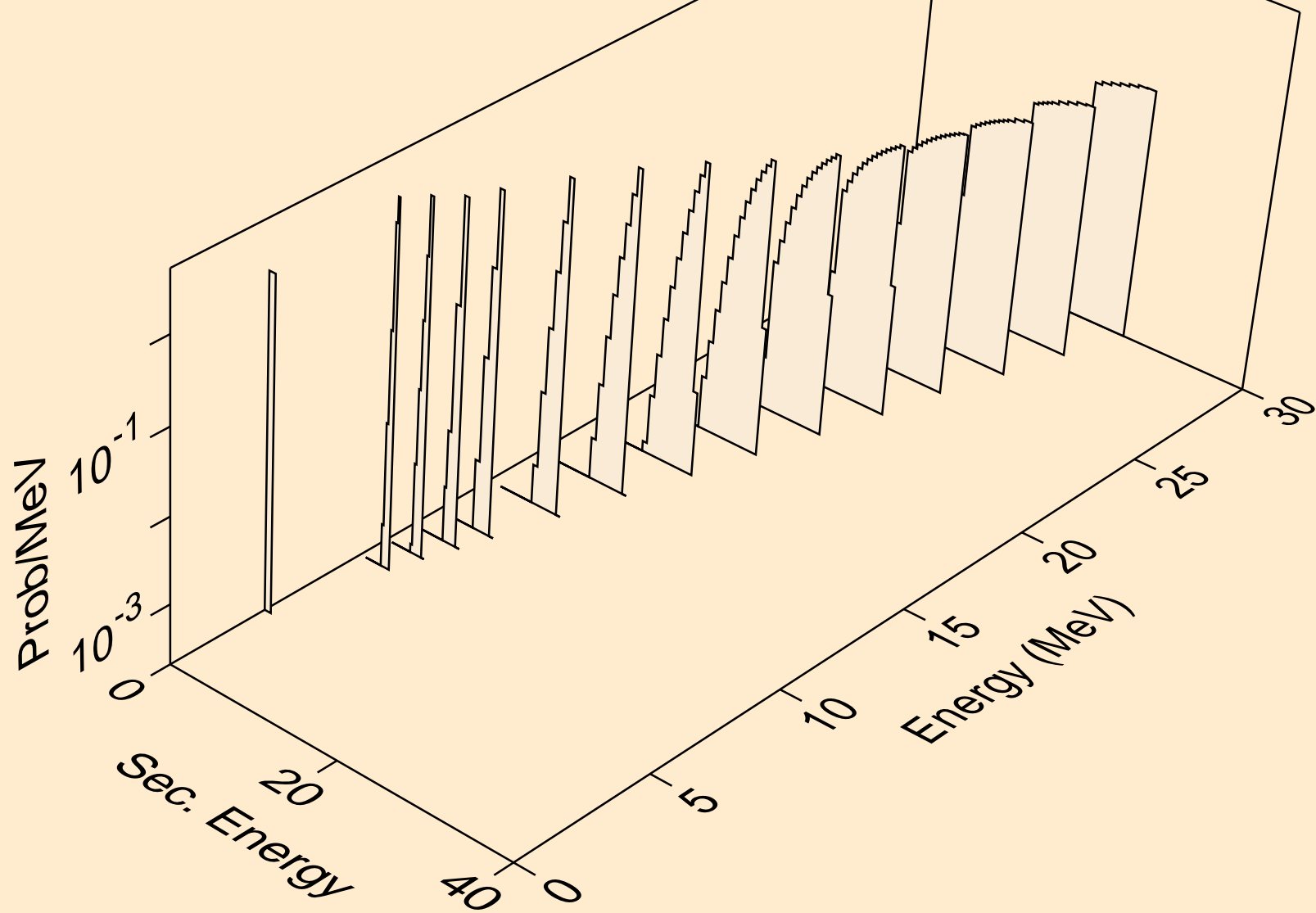
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,2nd)



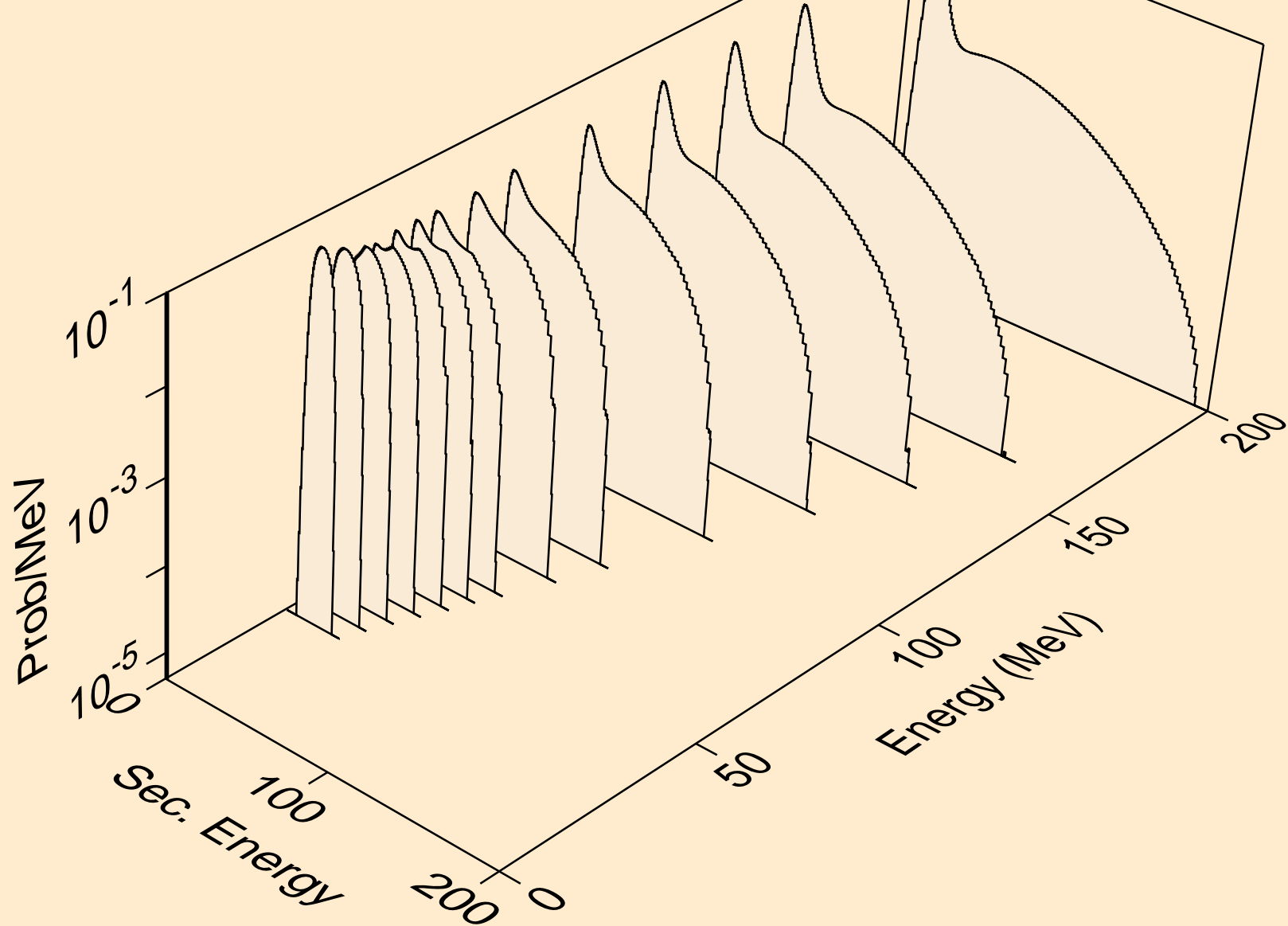
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,n\*)d



PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,d)

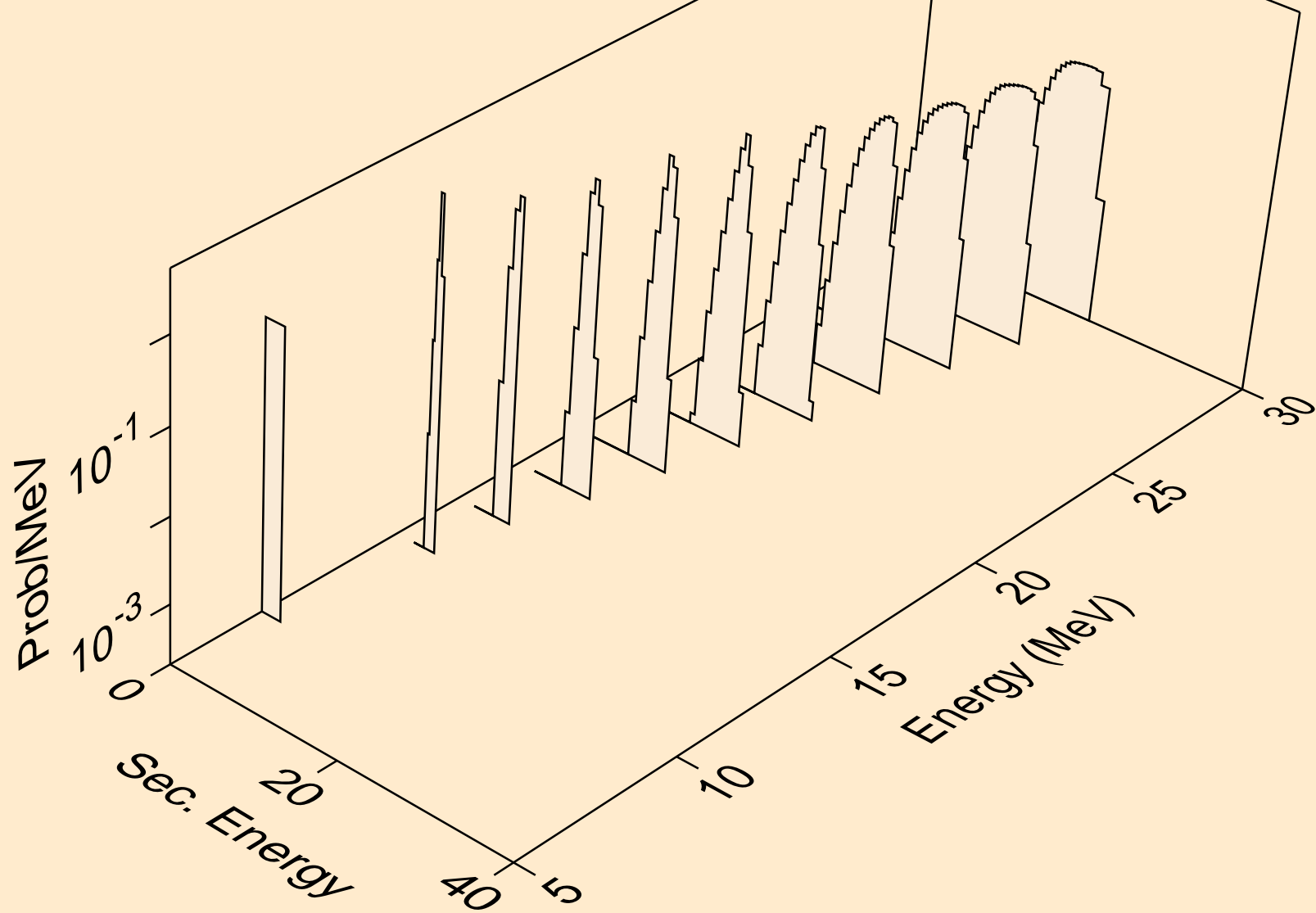


PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)

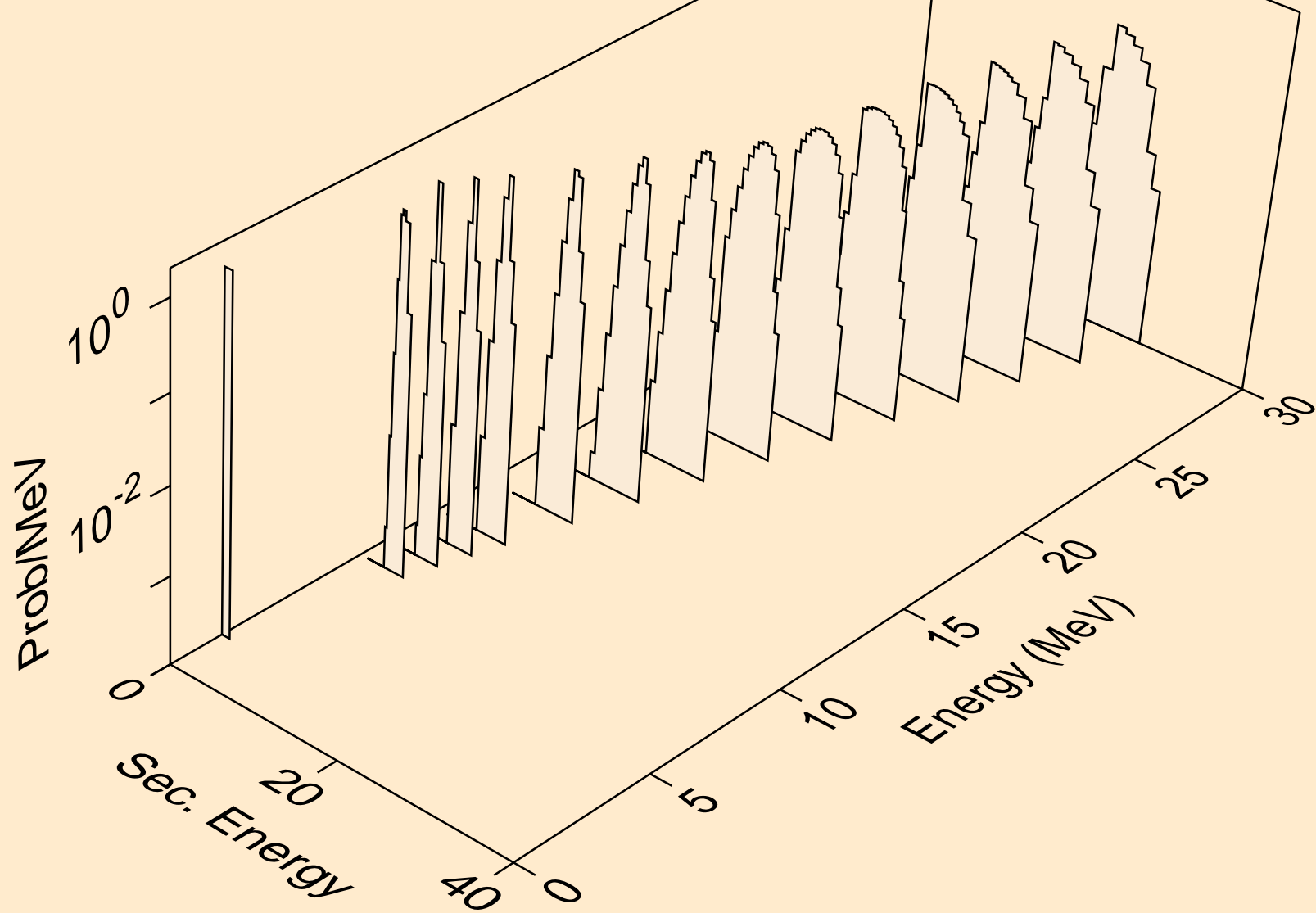




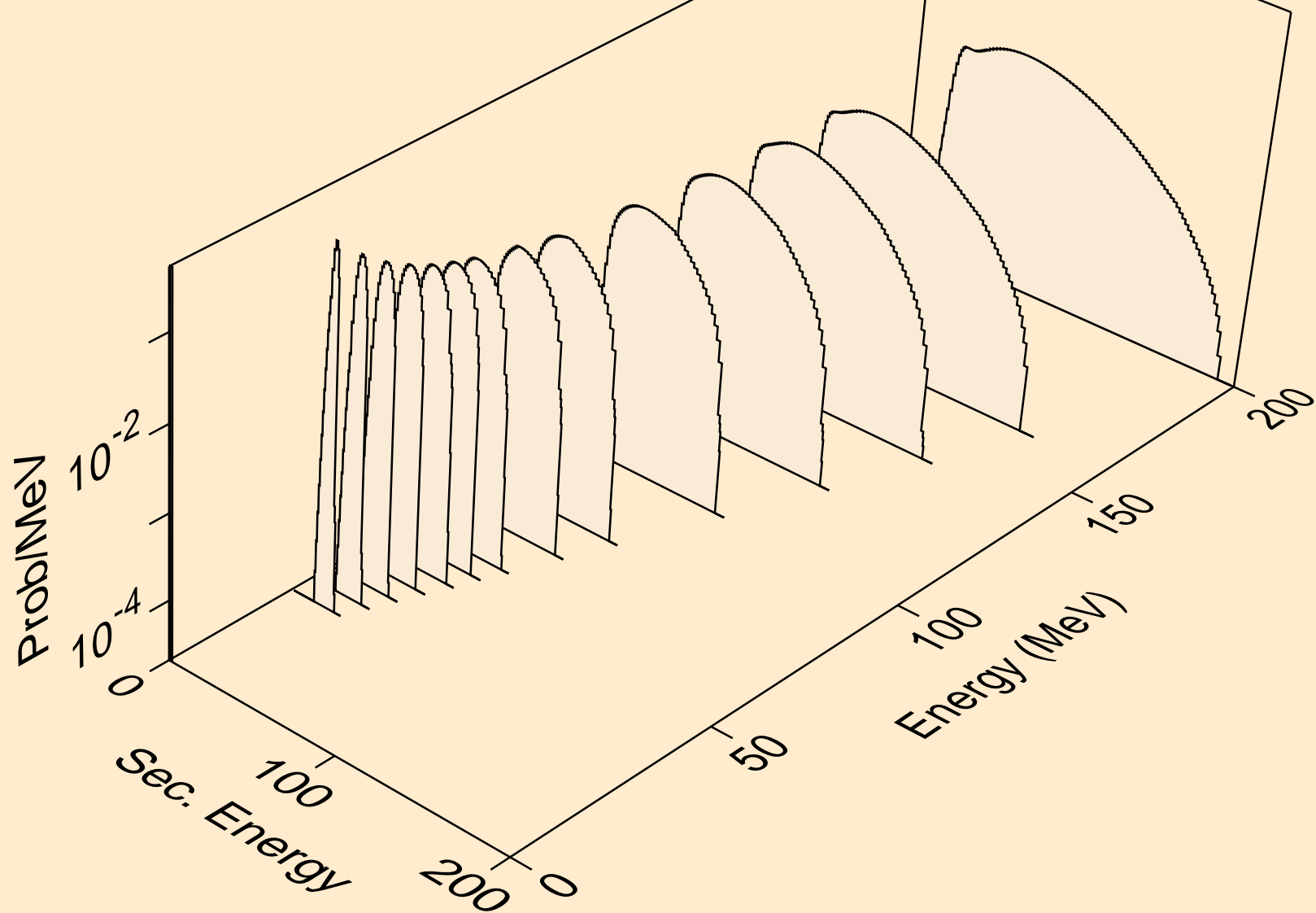
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,n\*)t



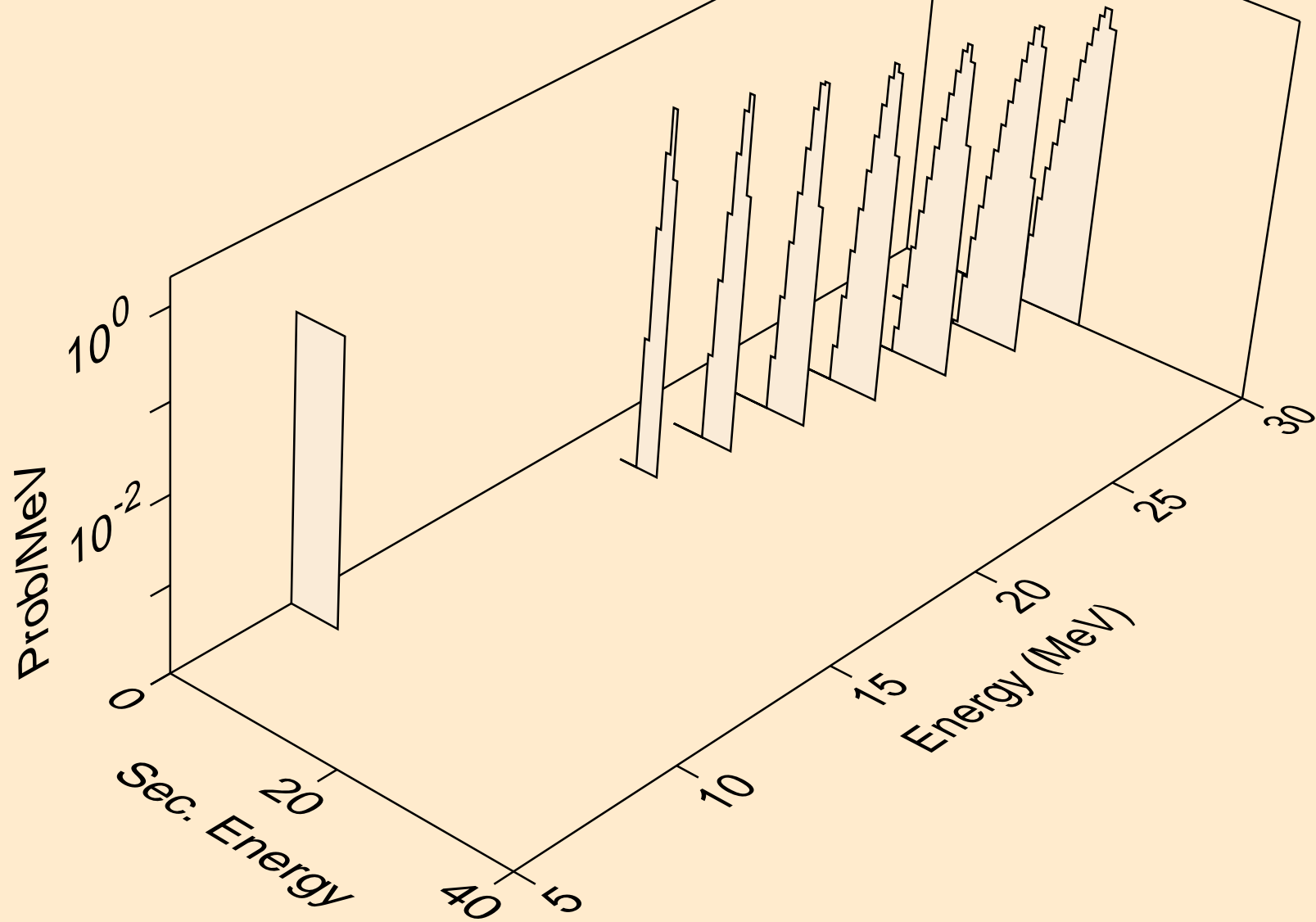
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,t)



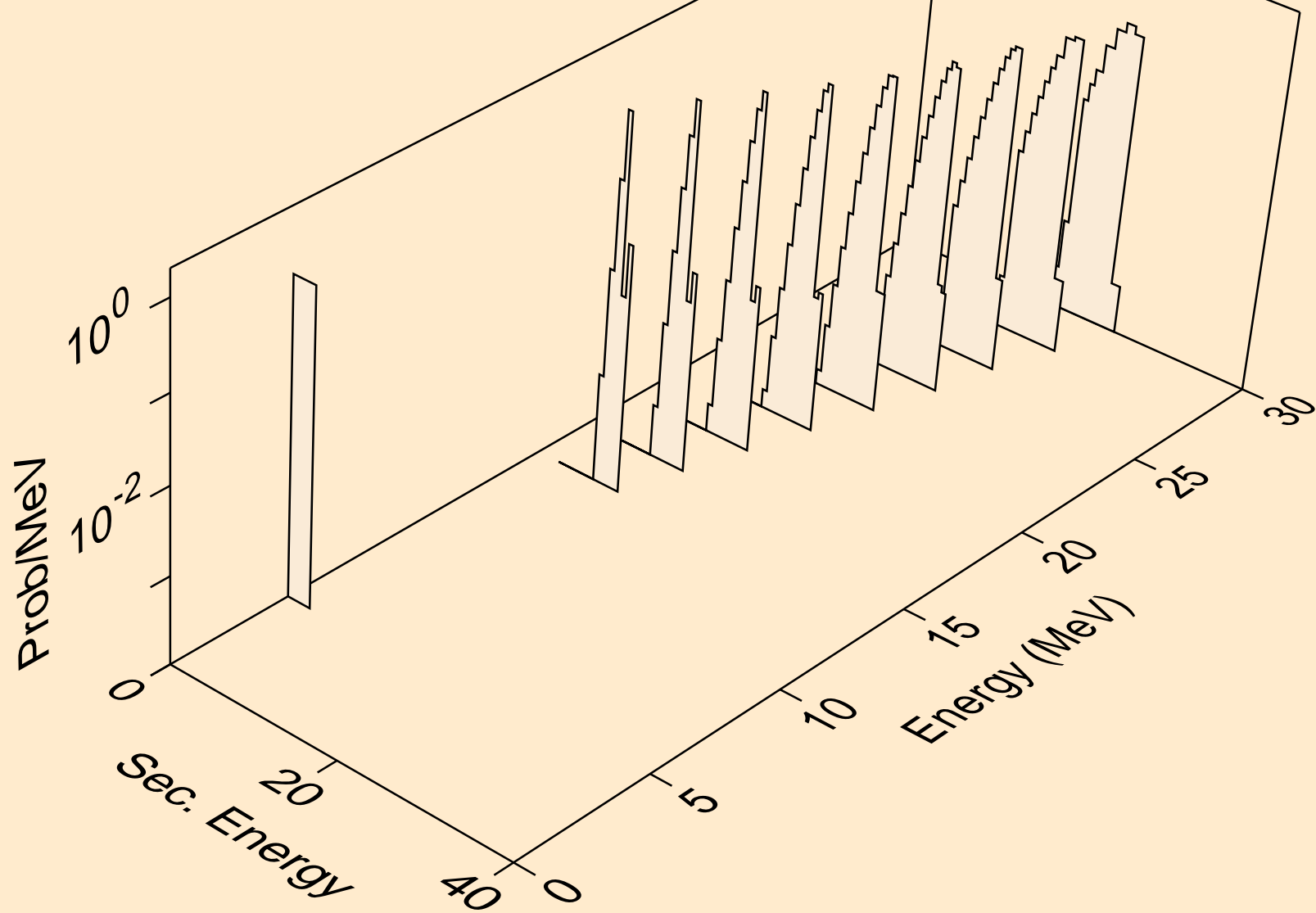
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)



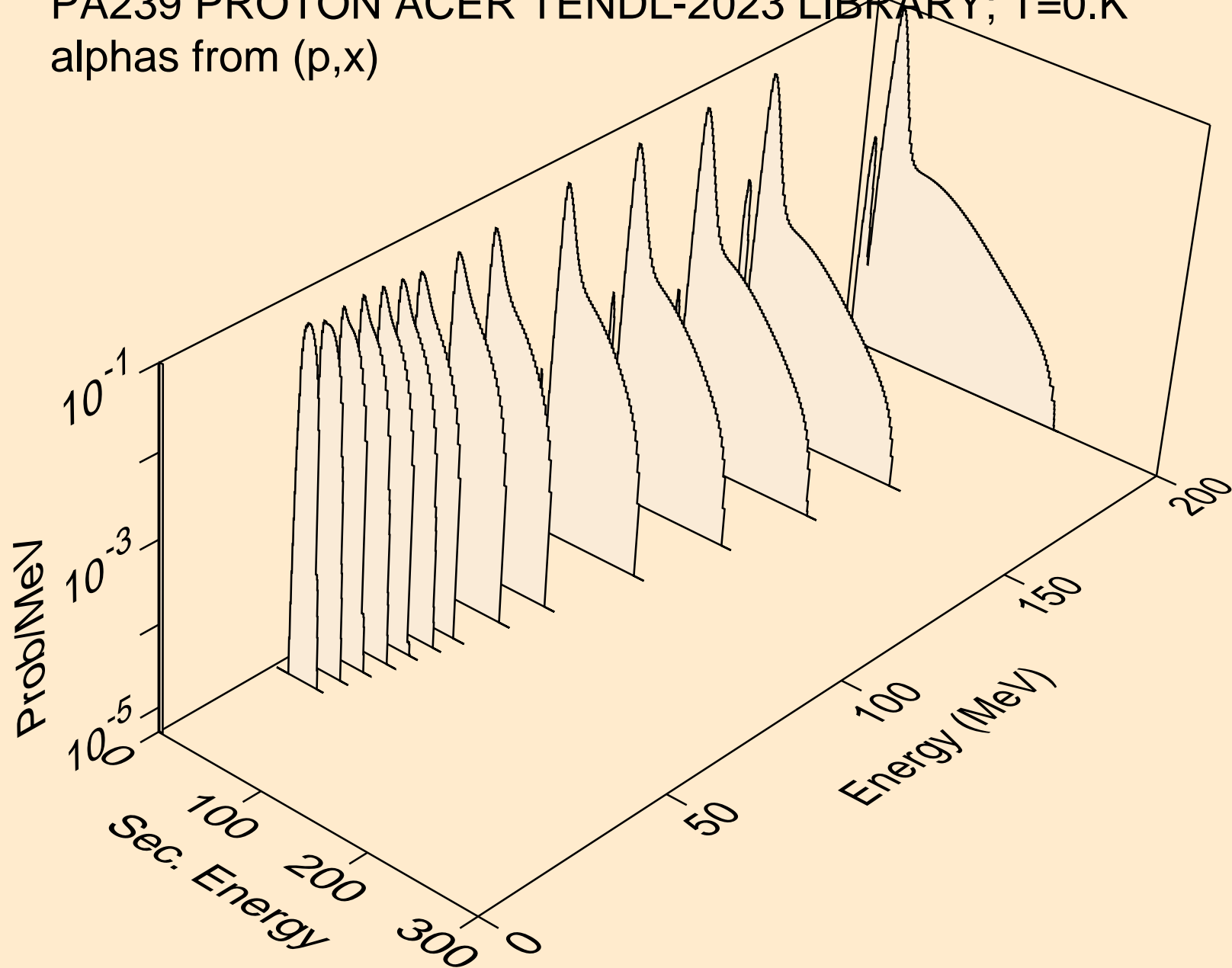
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3



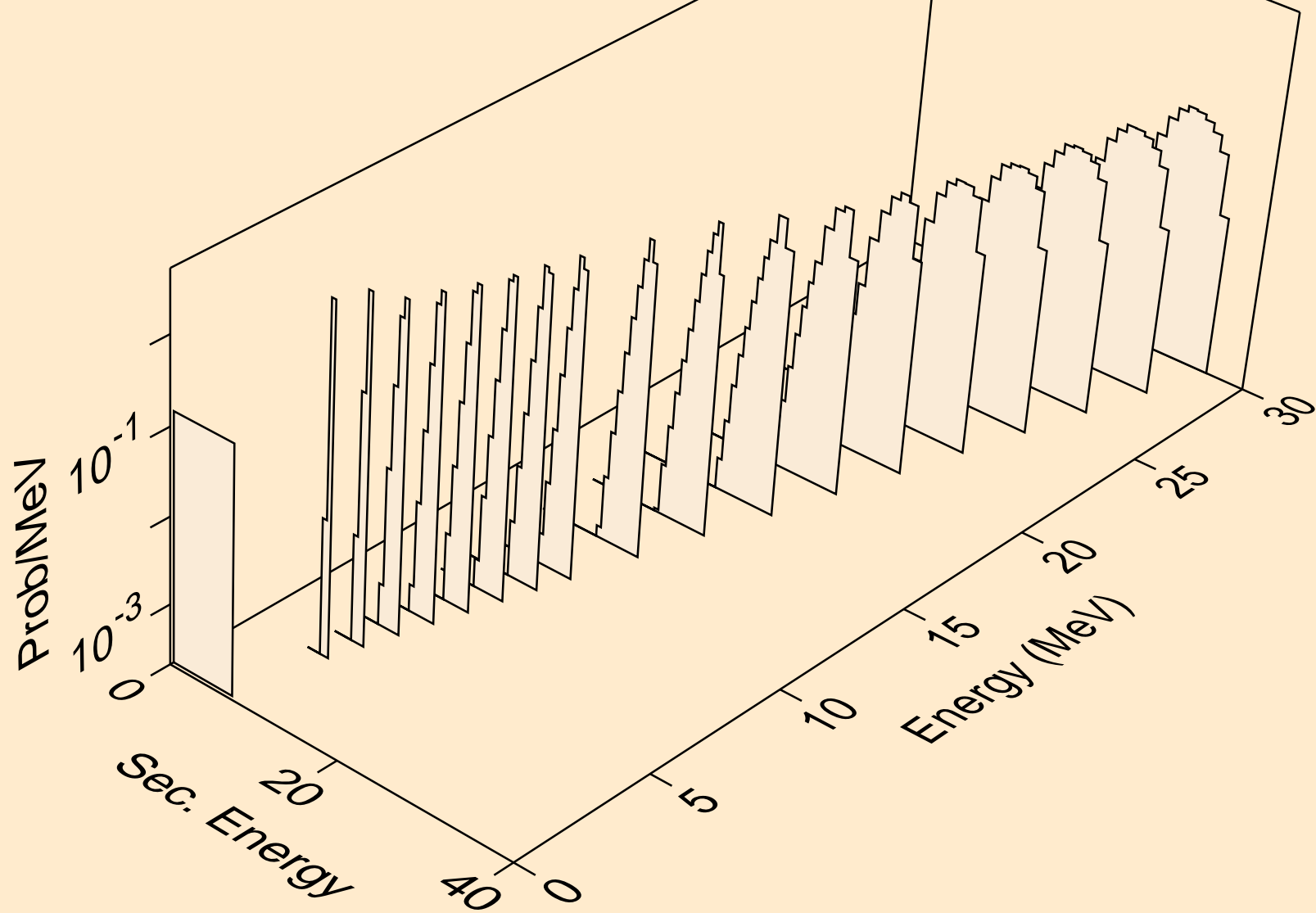
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,he3)



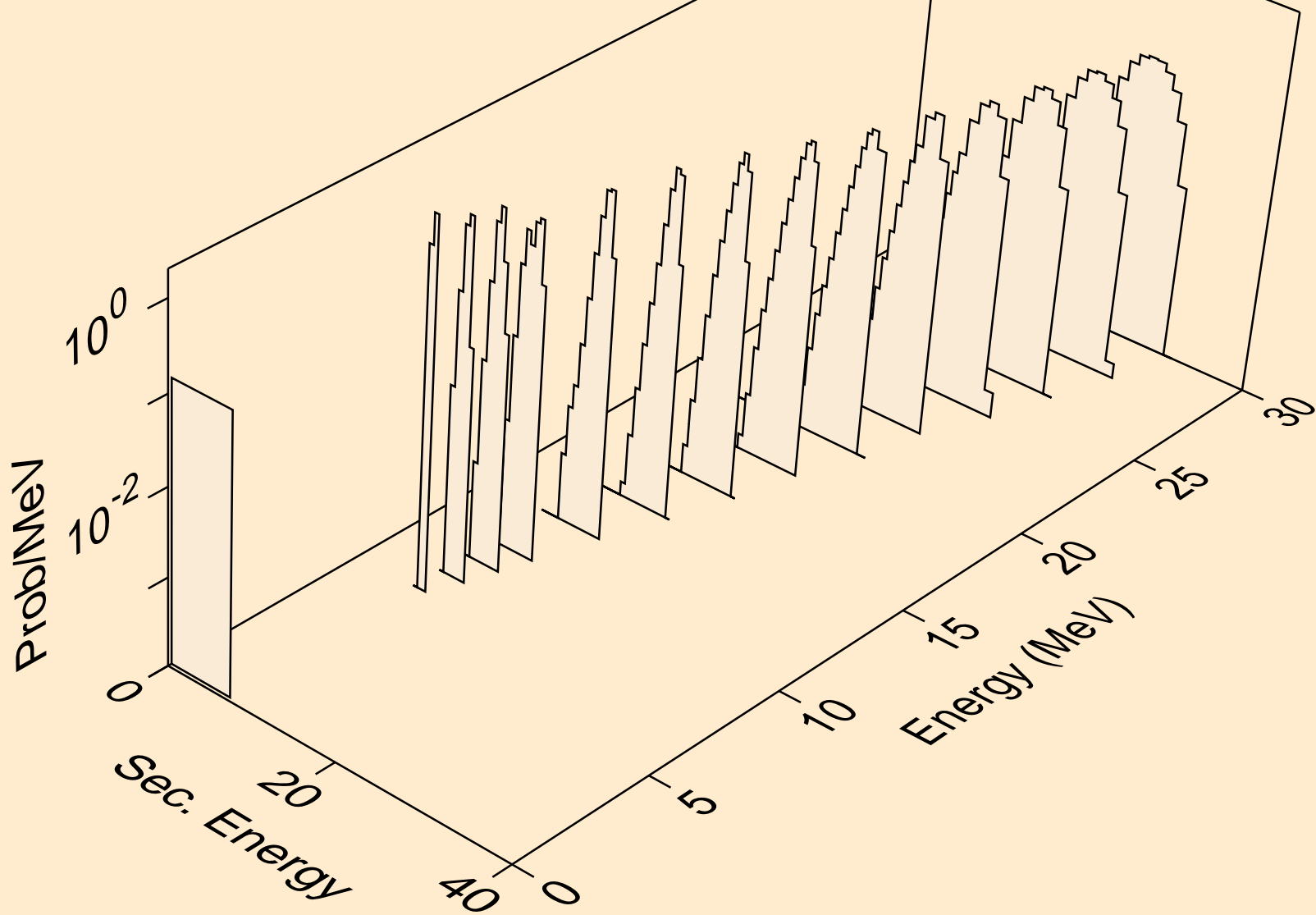
PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)



PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a

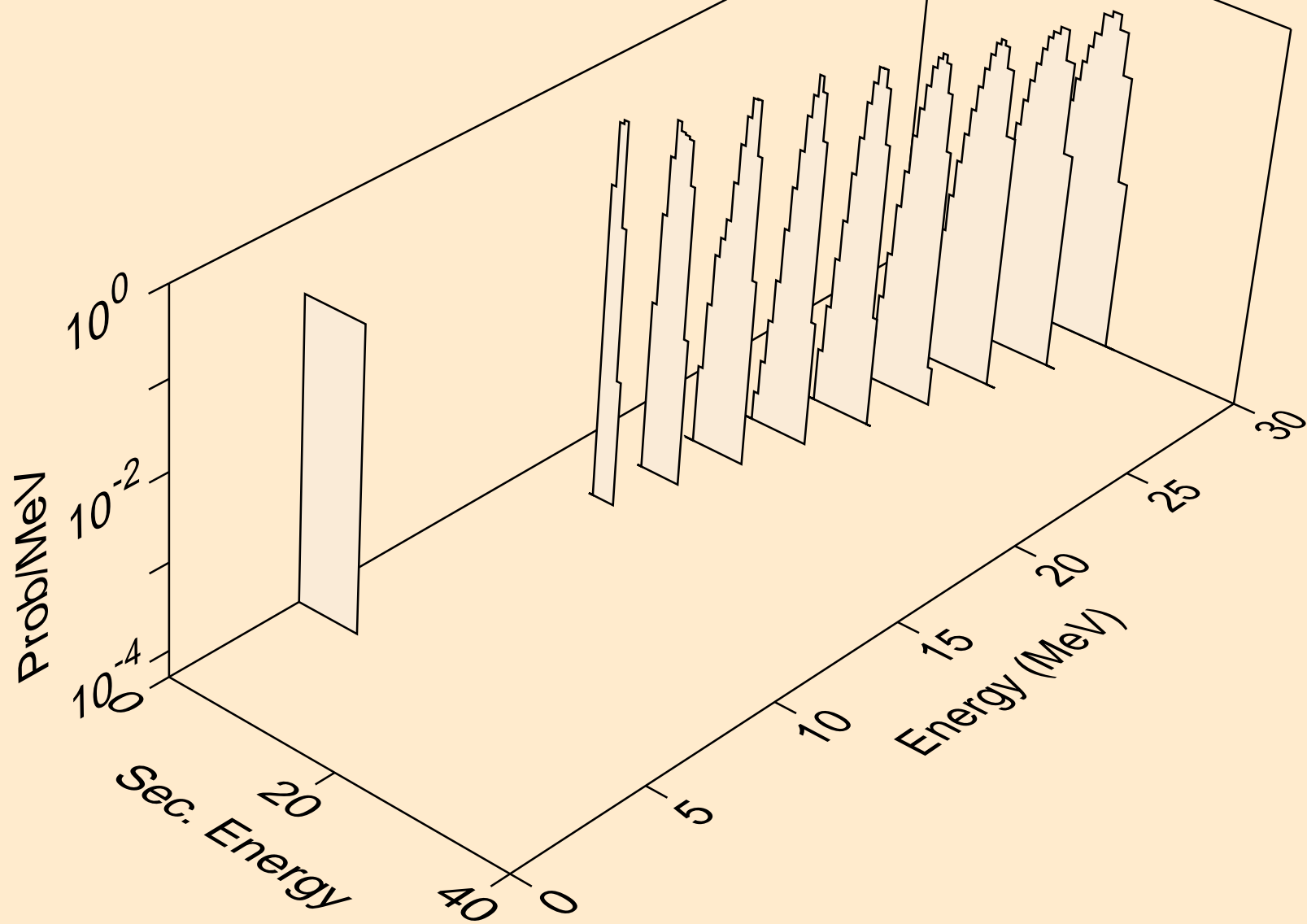


PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)a





PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3n)a



PA239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)

