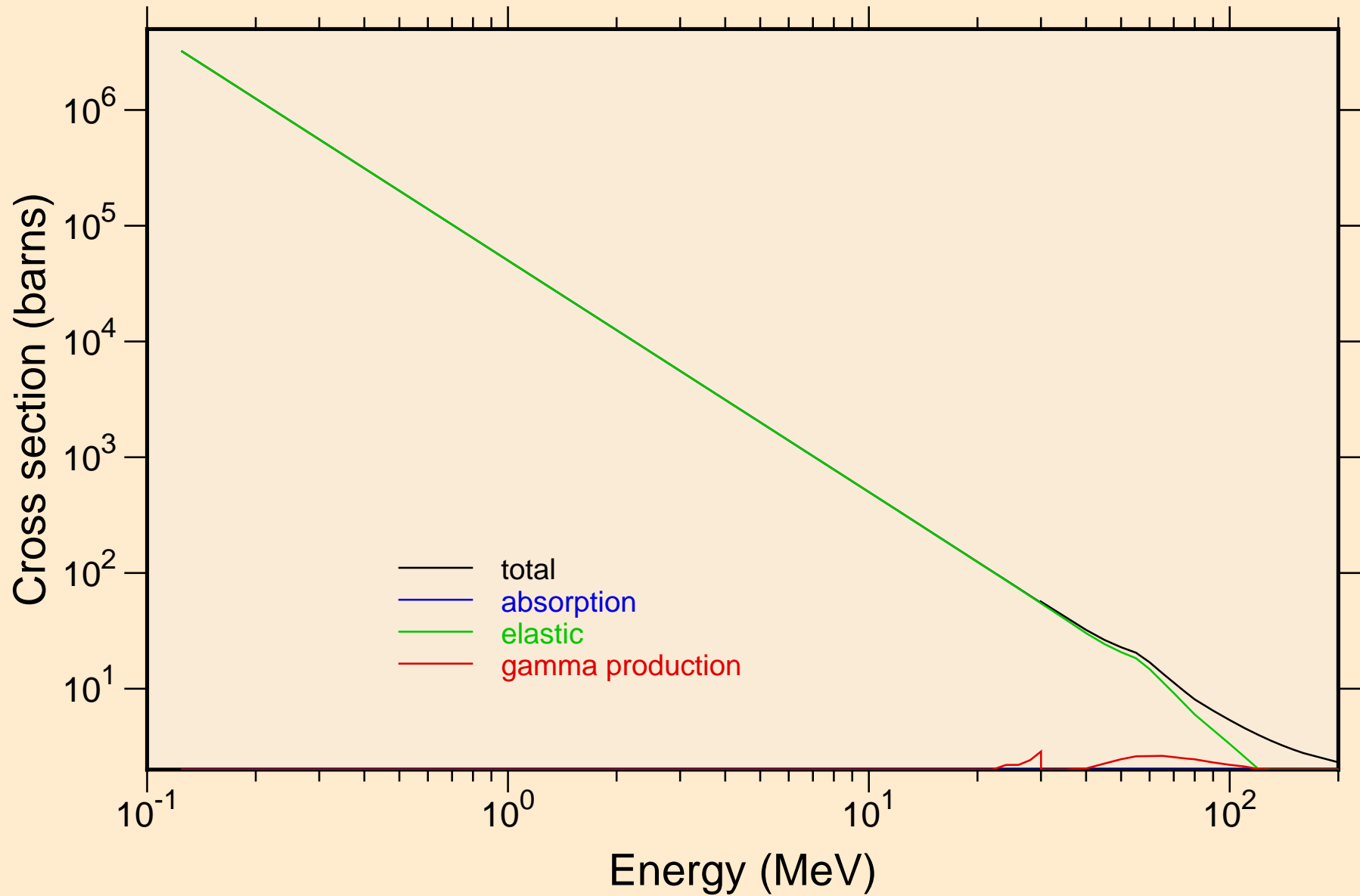


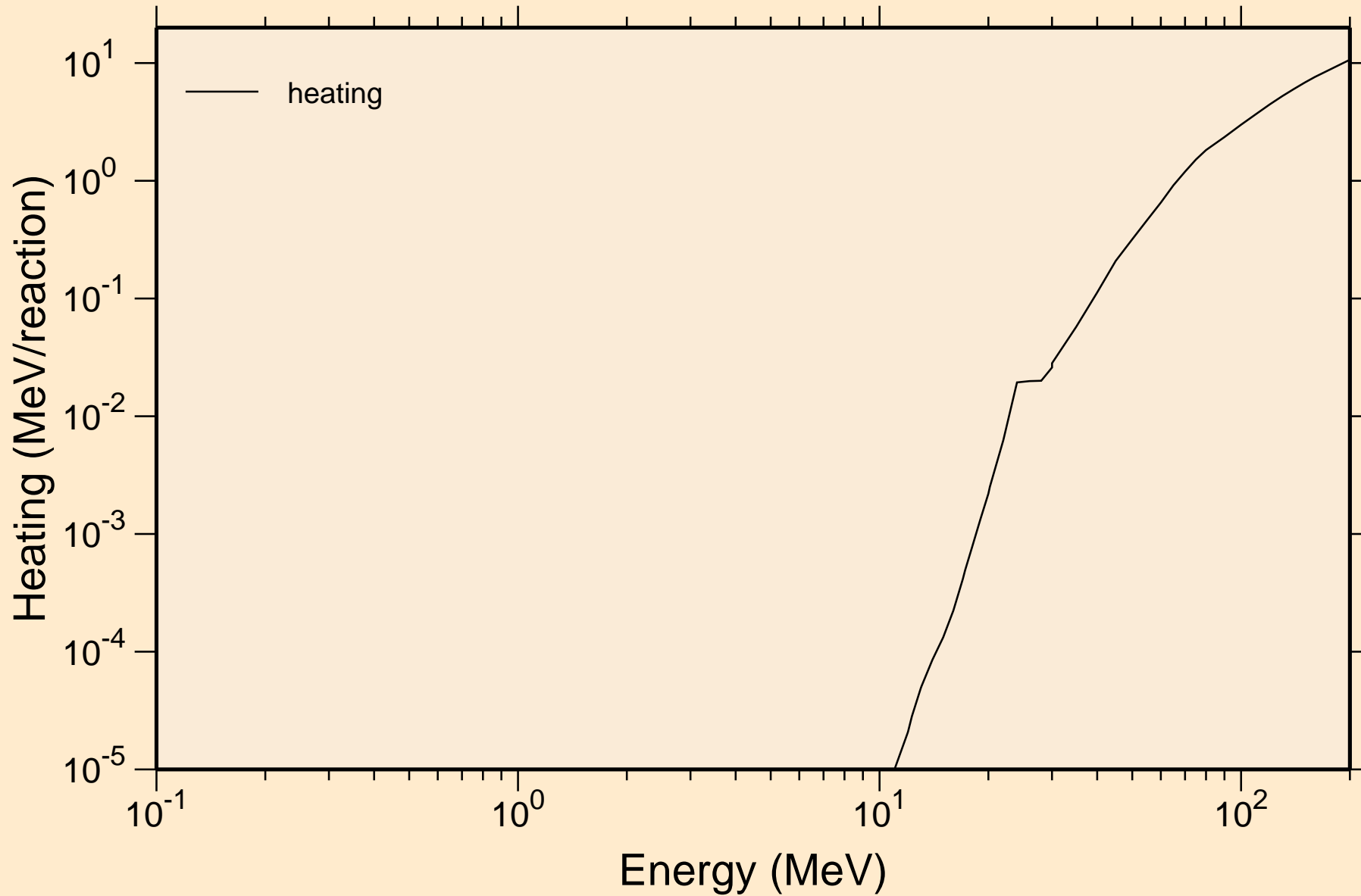
# TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



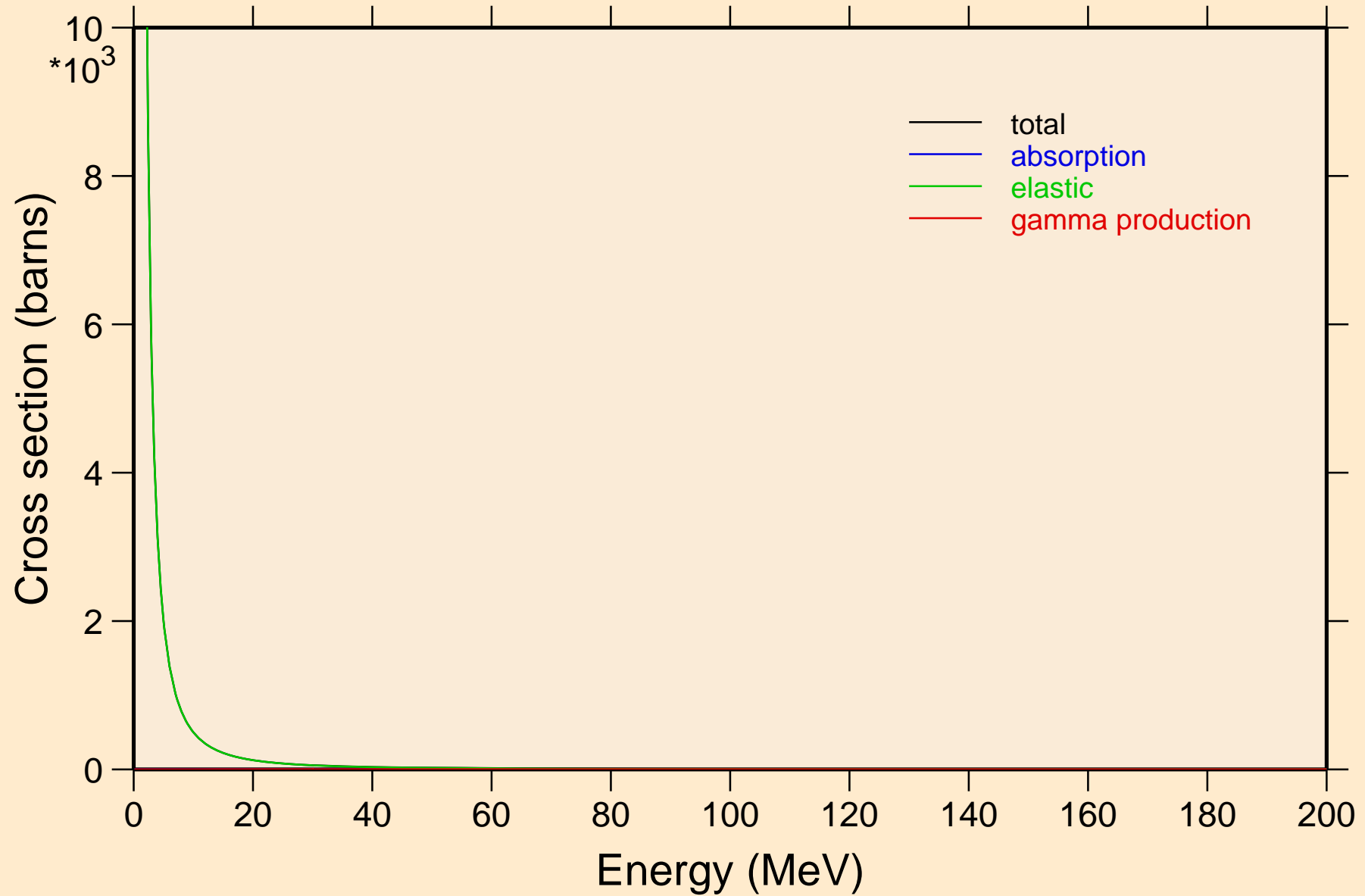
# TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



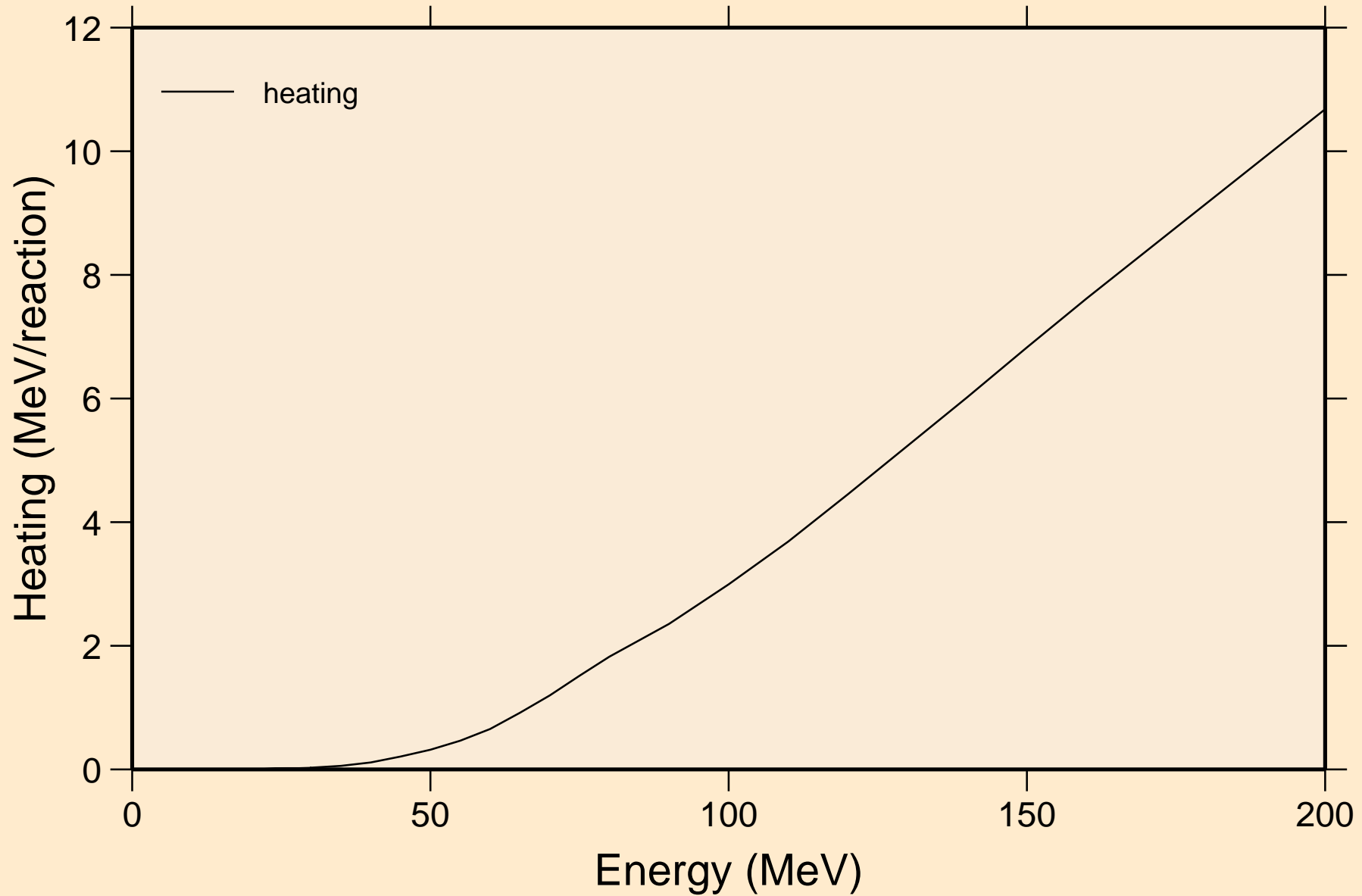
# TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



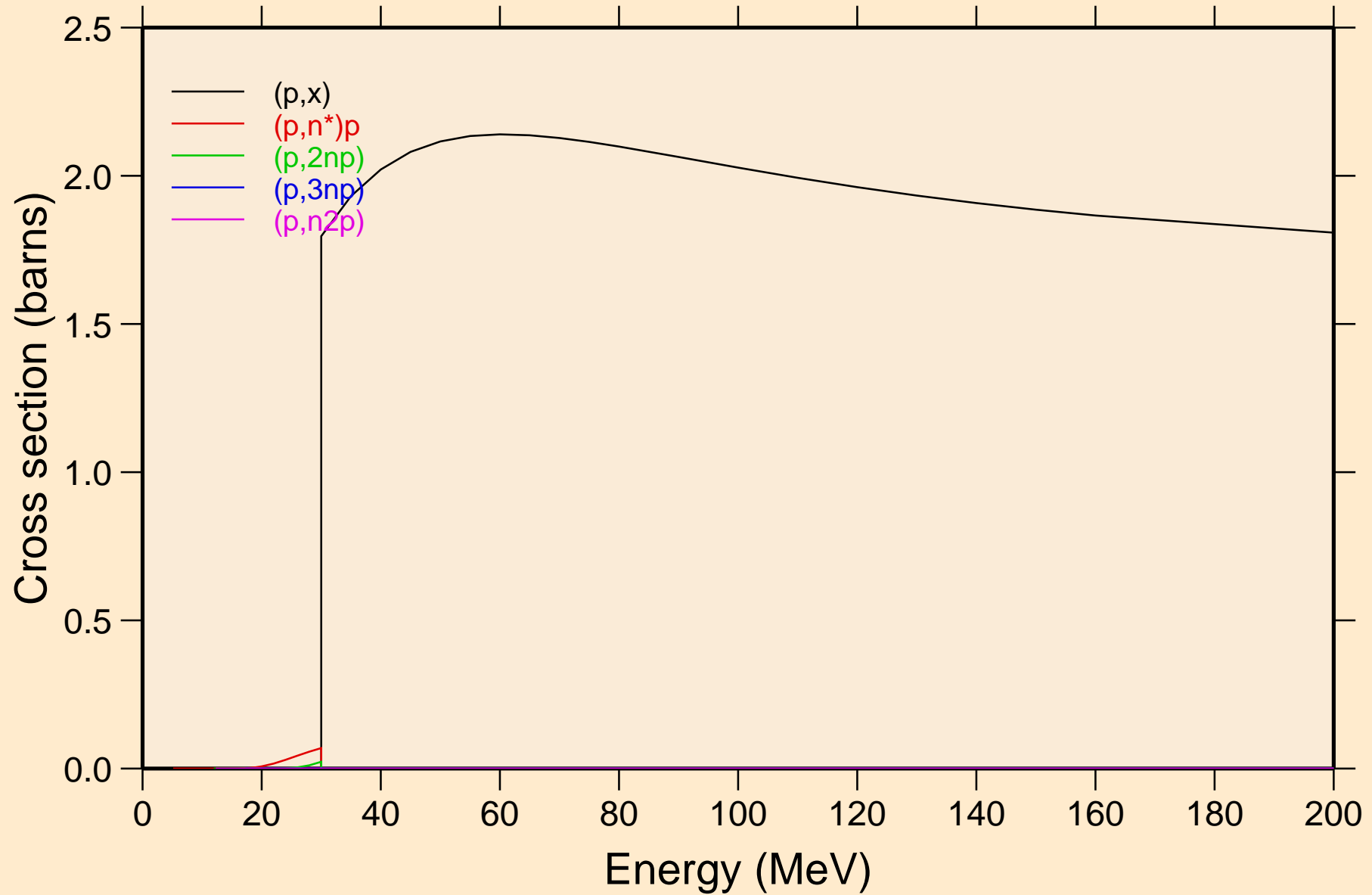
# TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

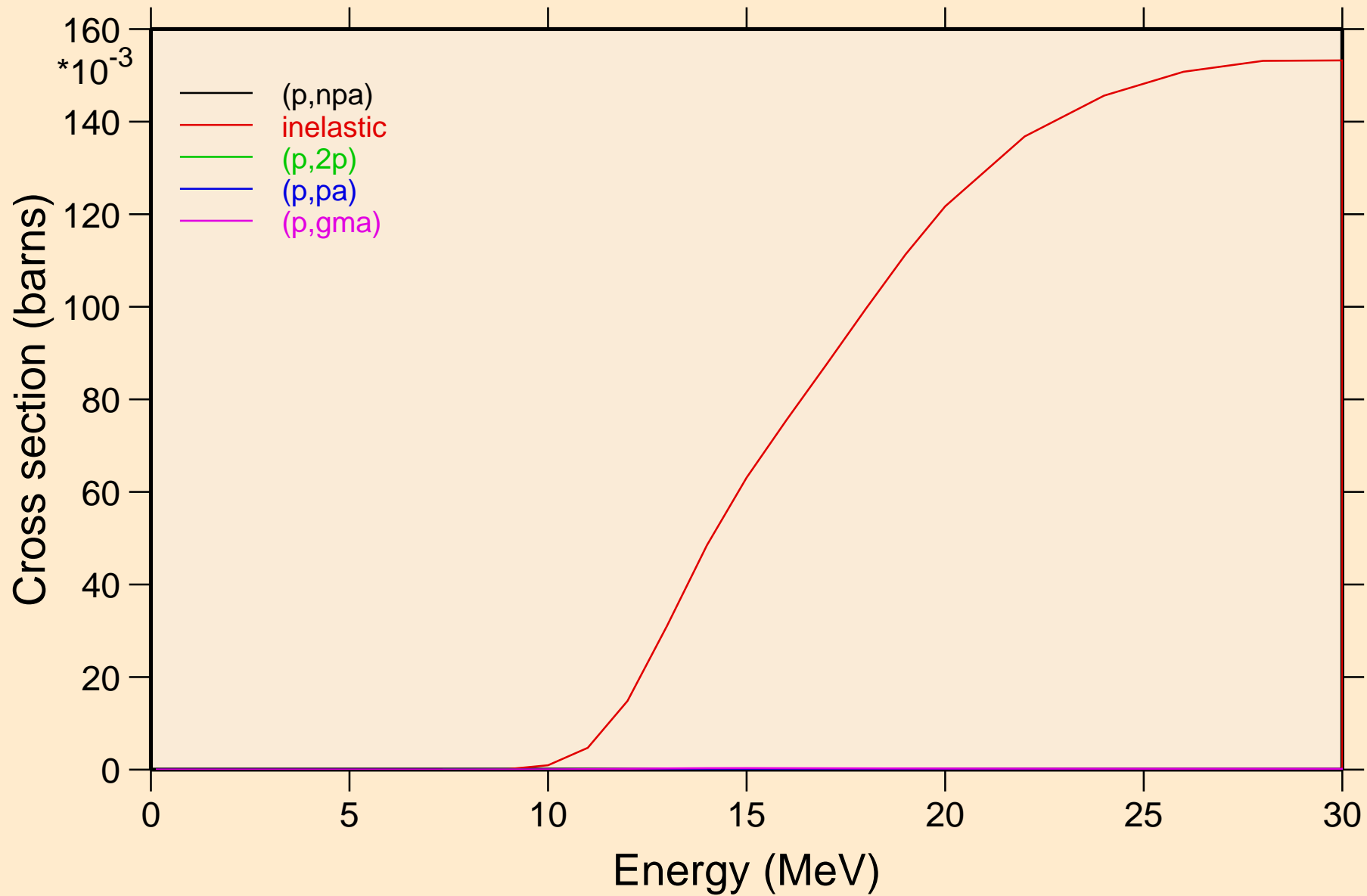


# TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K

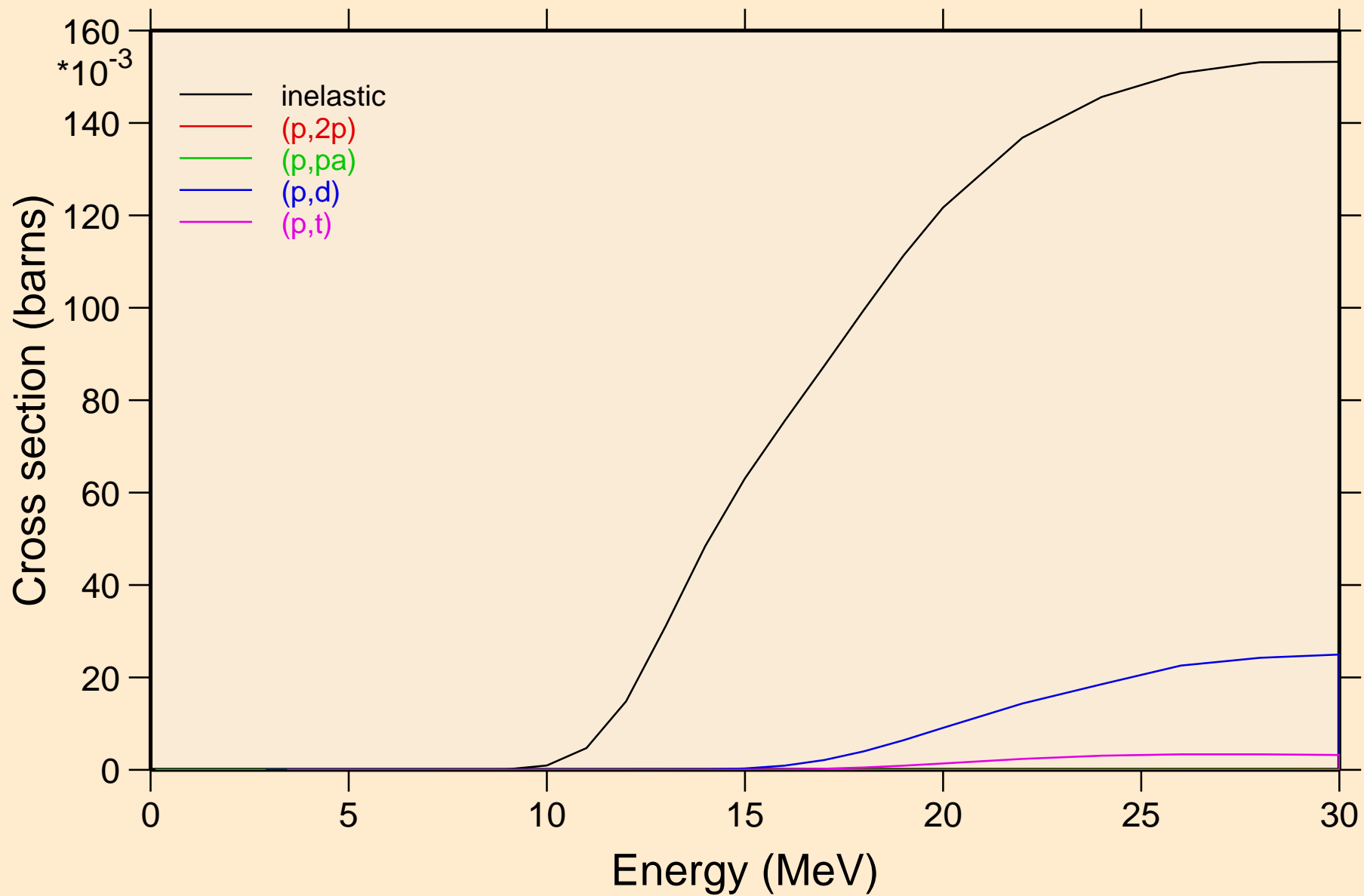
## Threshold reactions



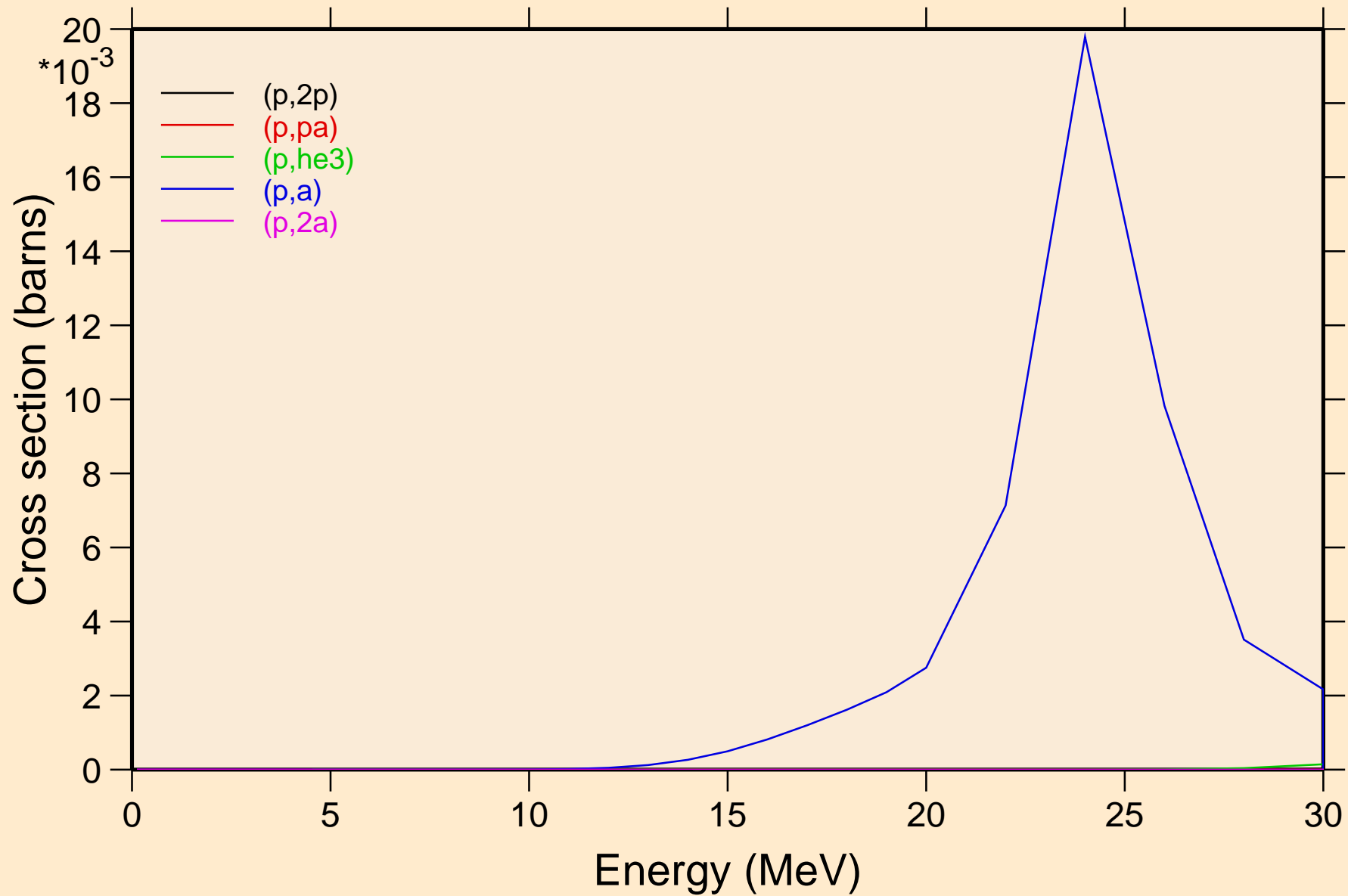
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

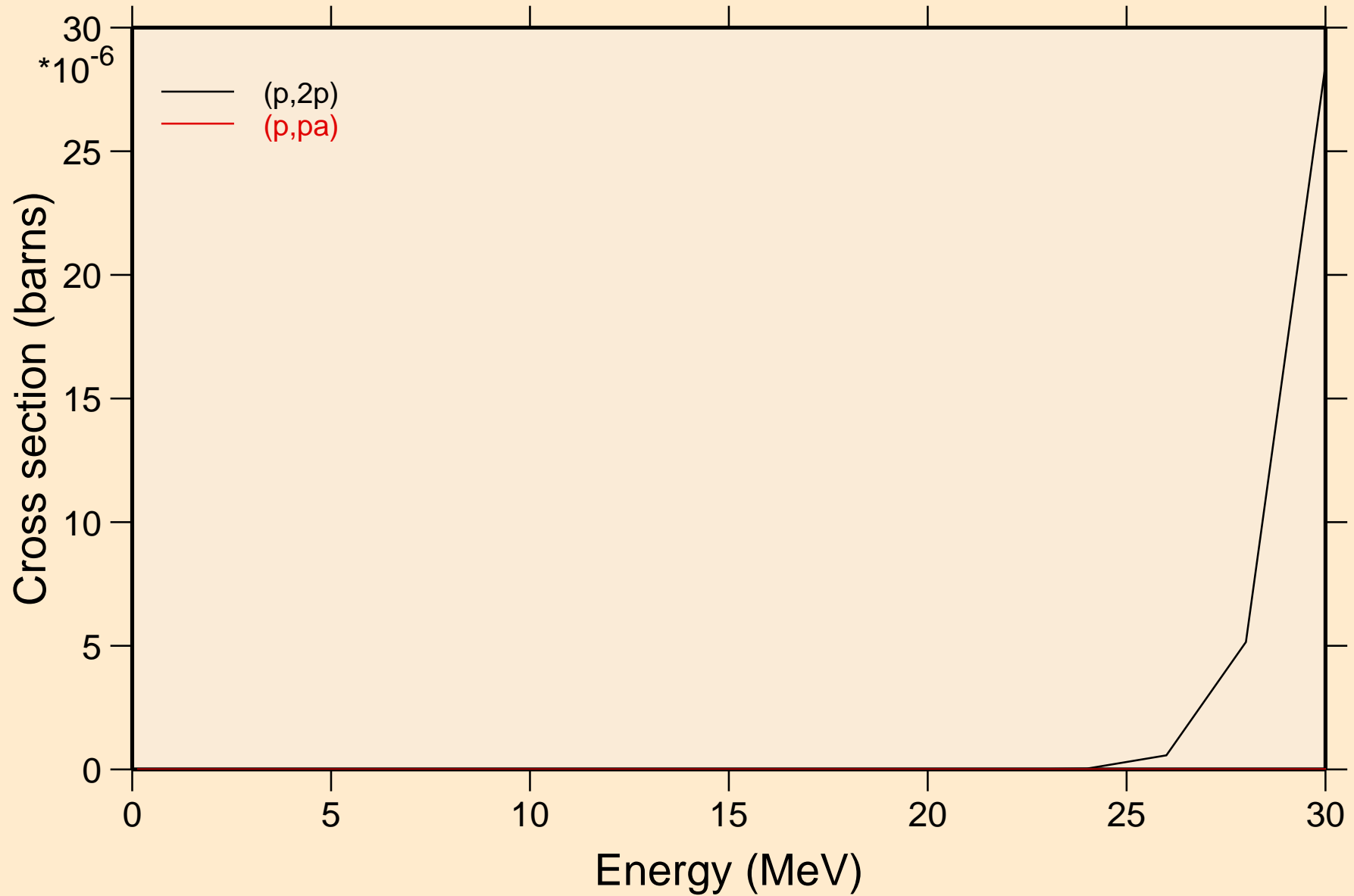


TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

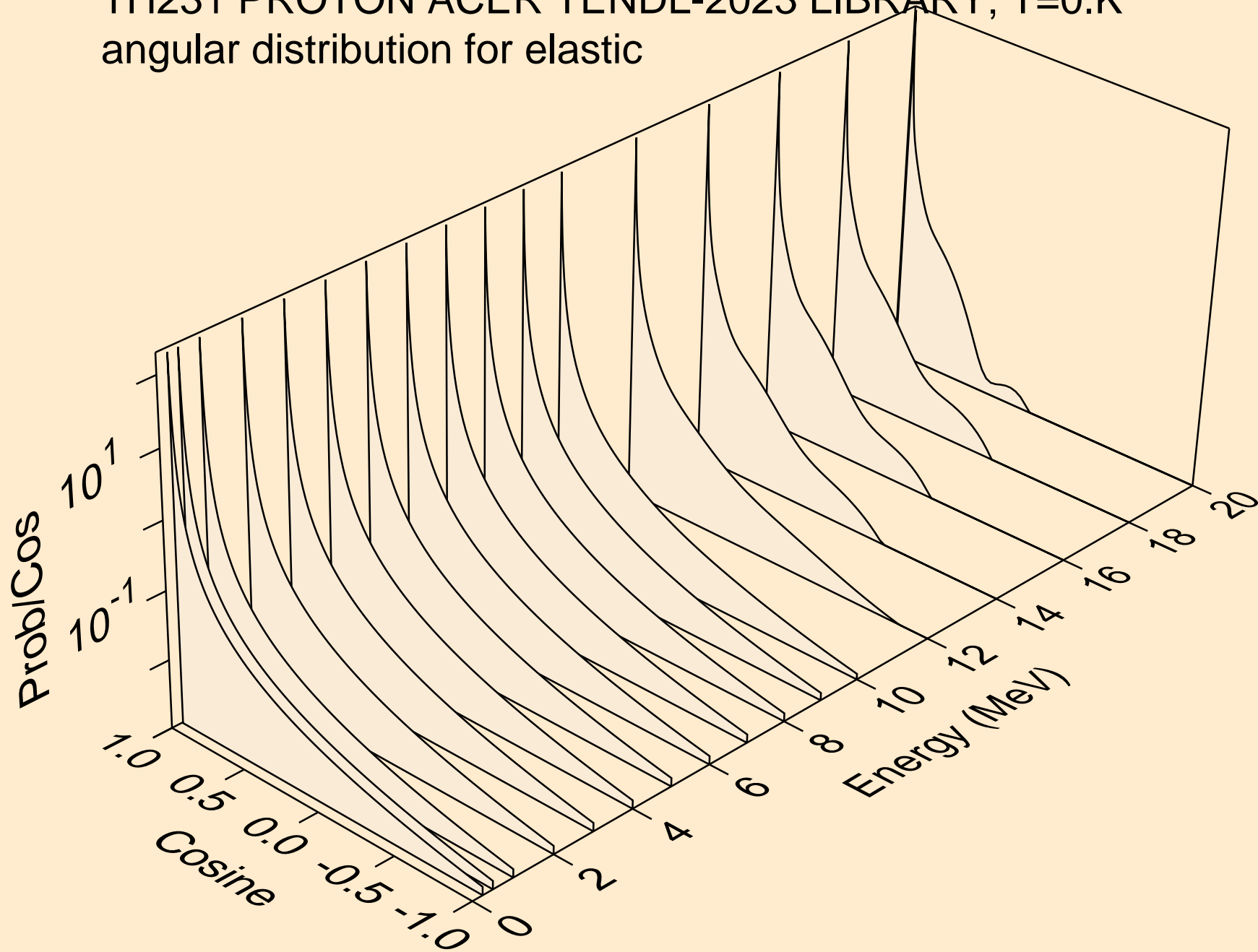




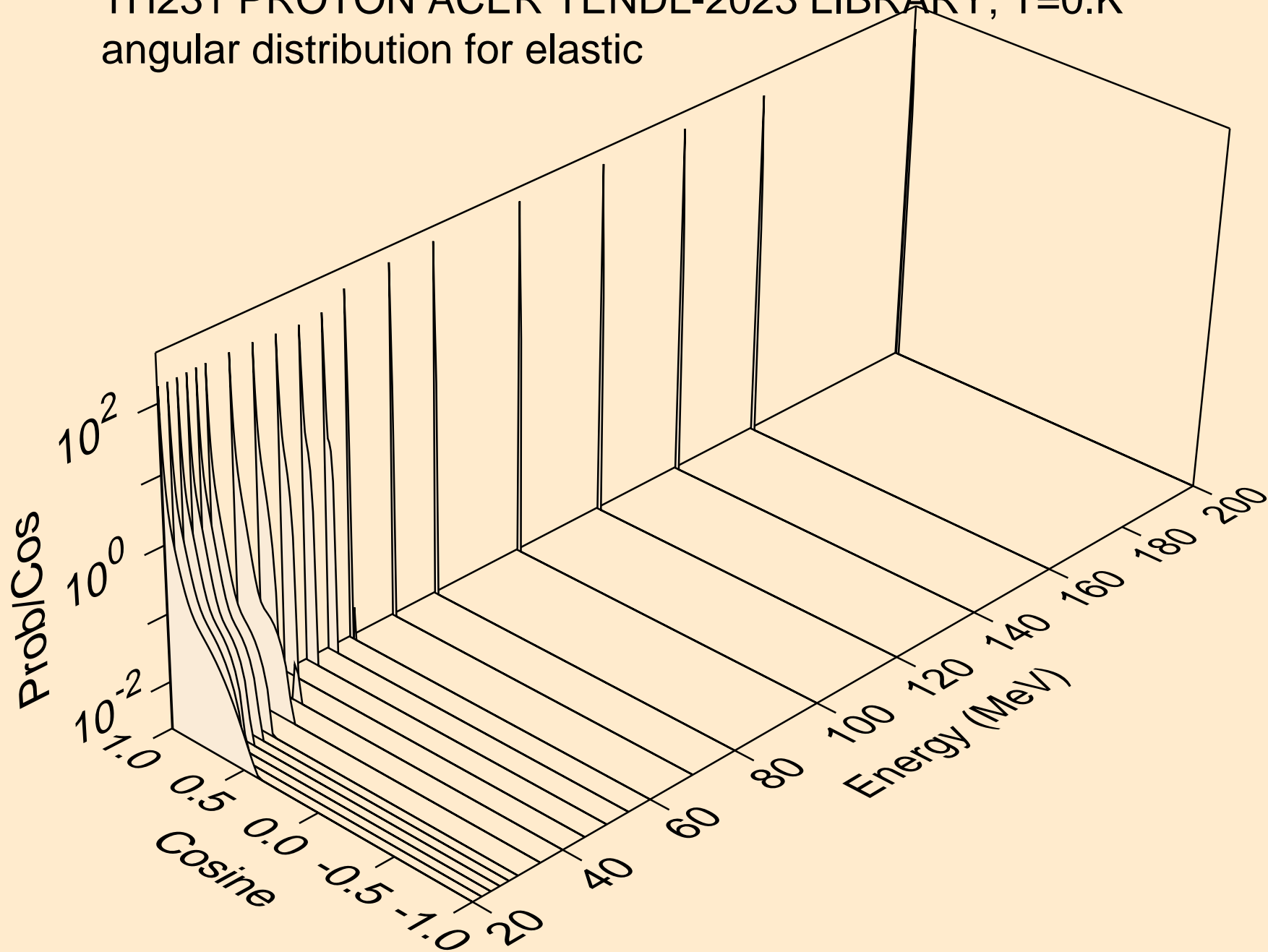
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



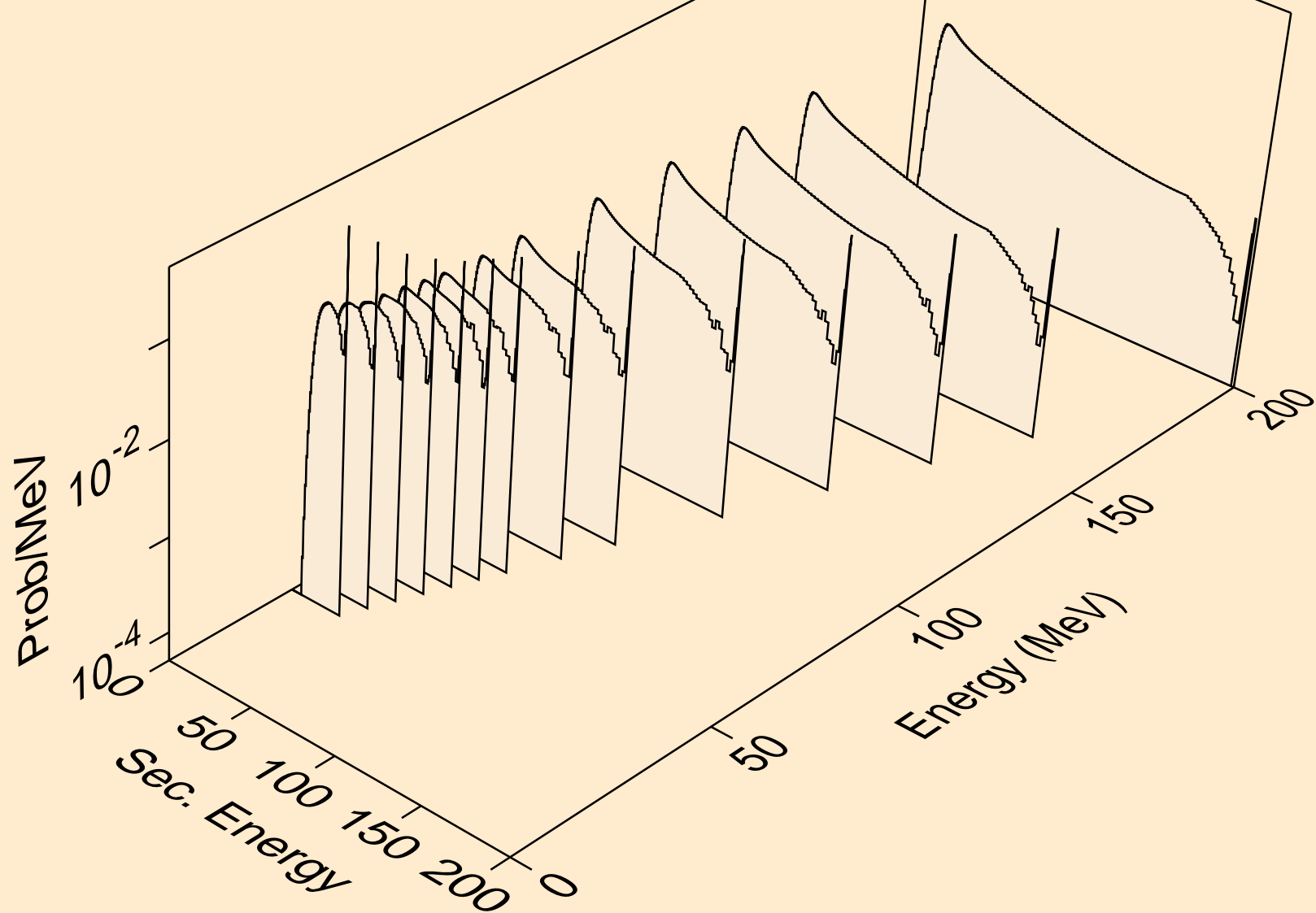
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



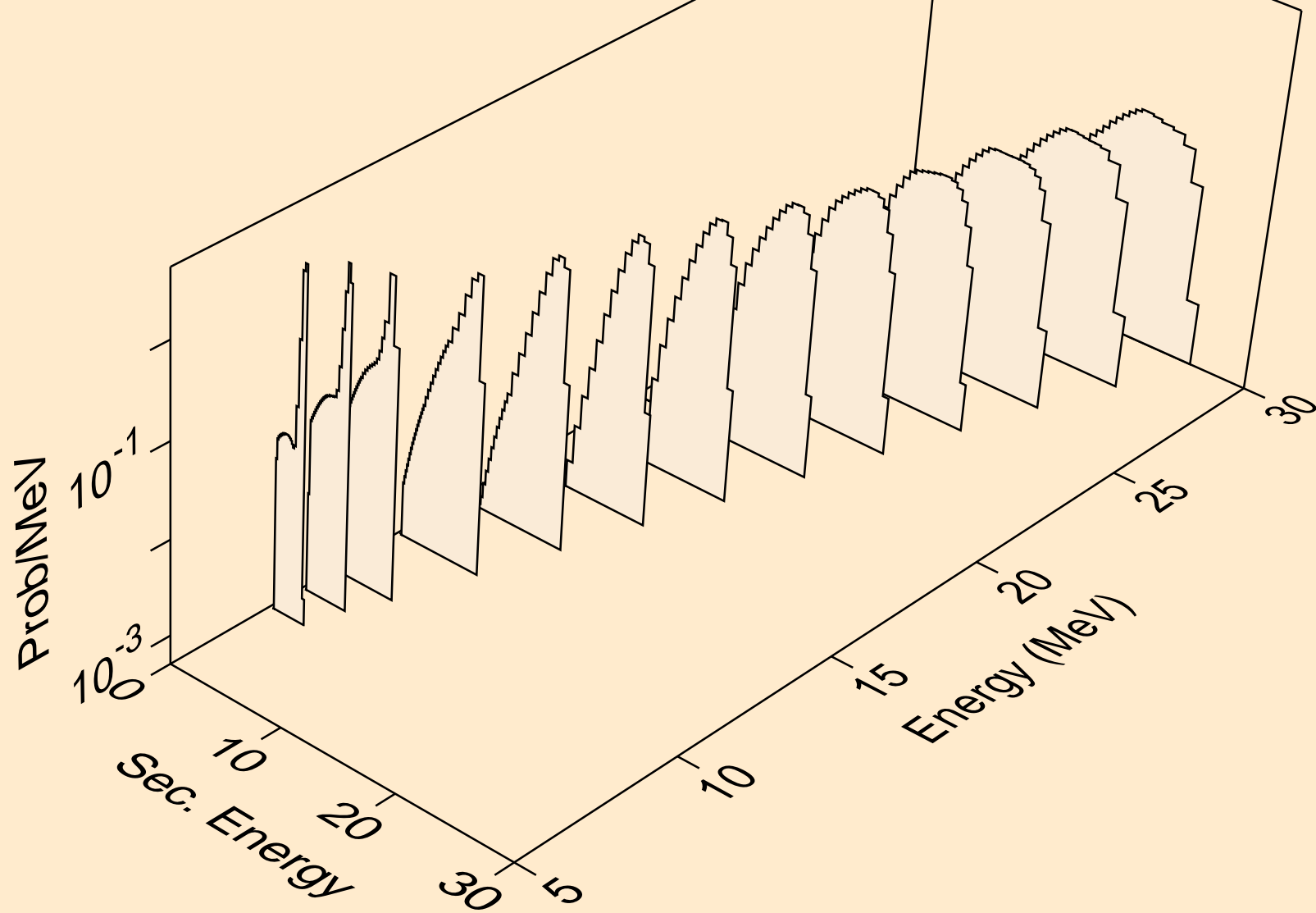
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



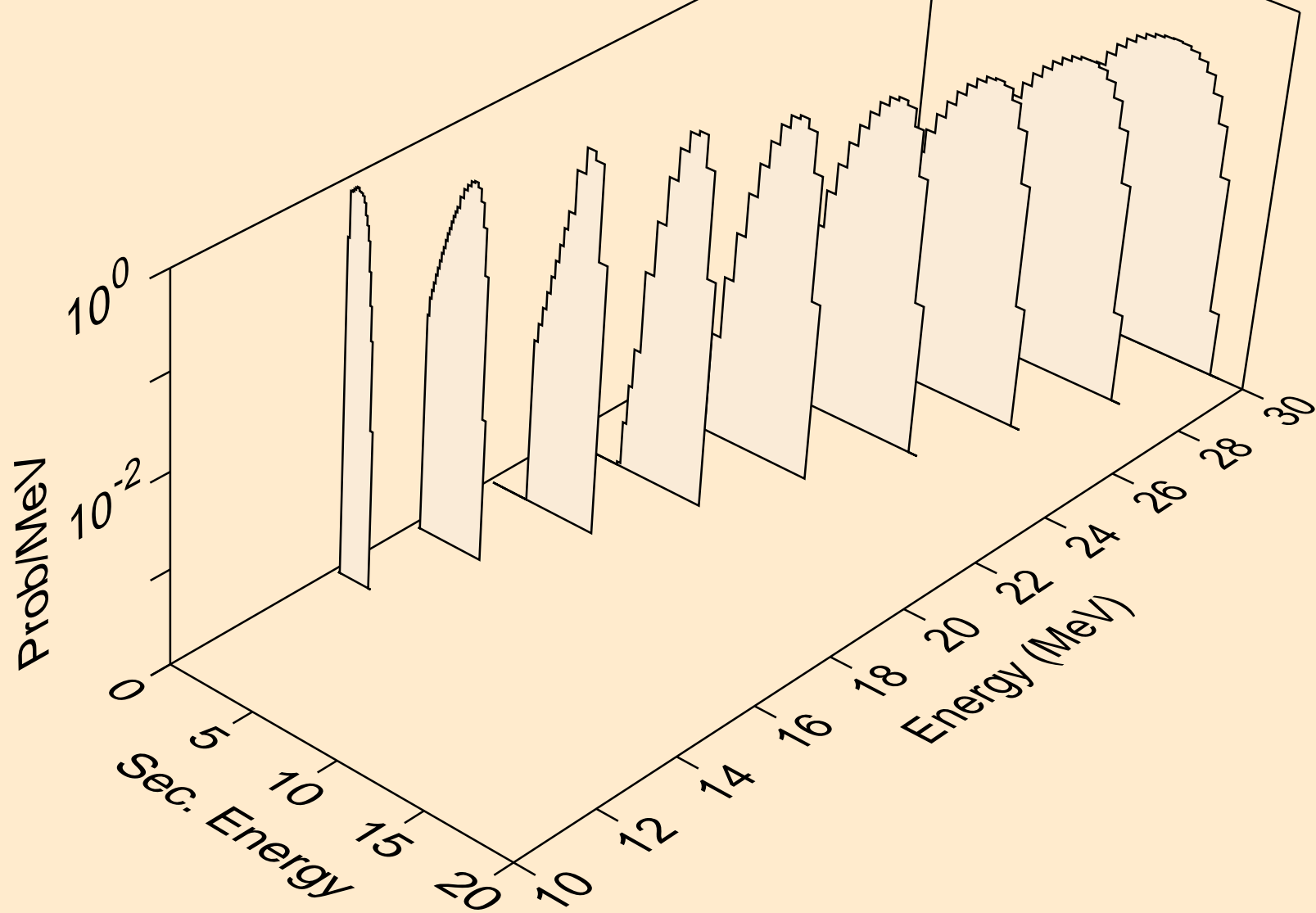
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



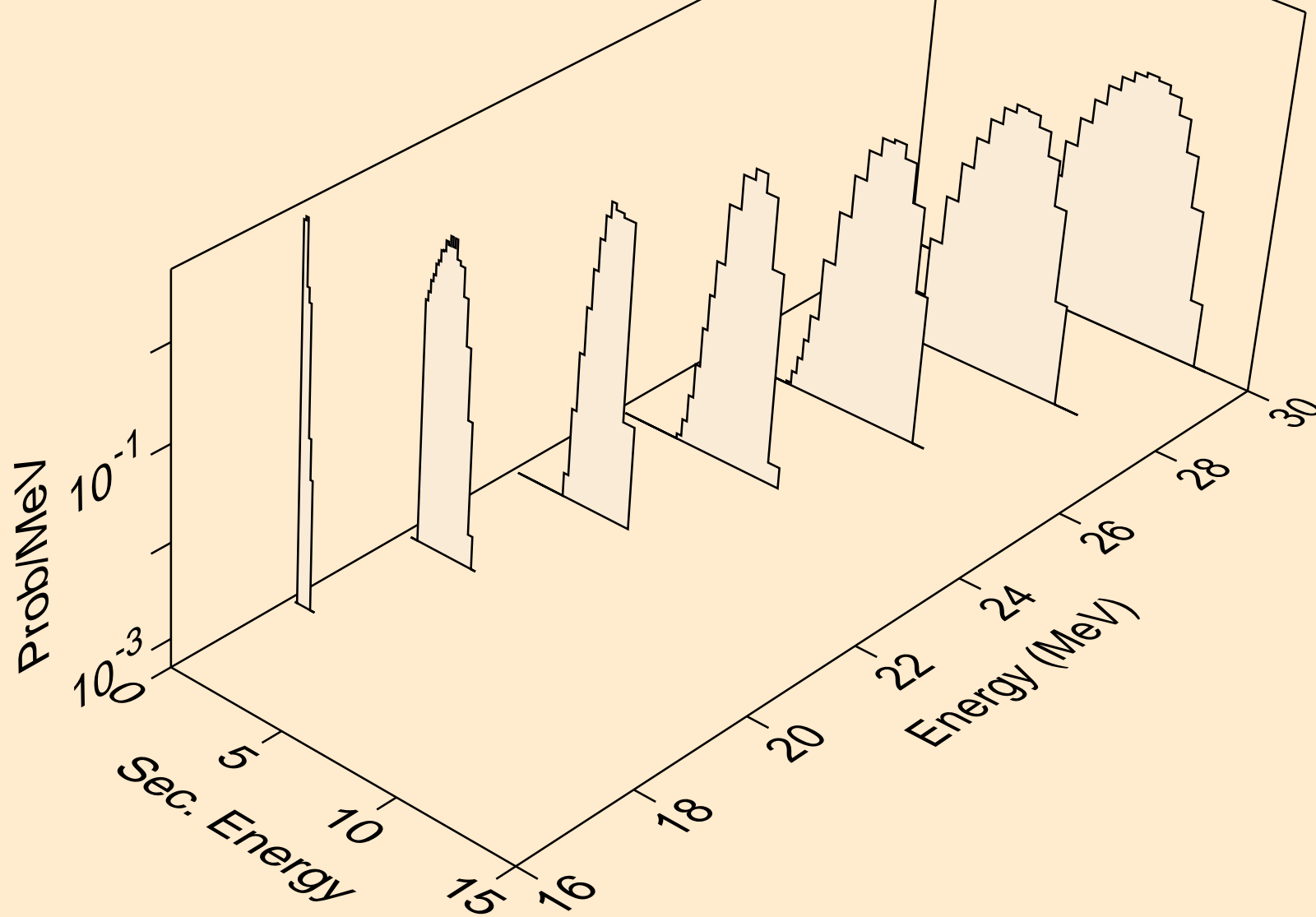
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



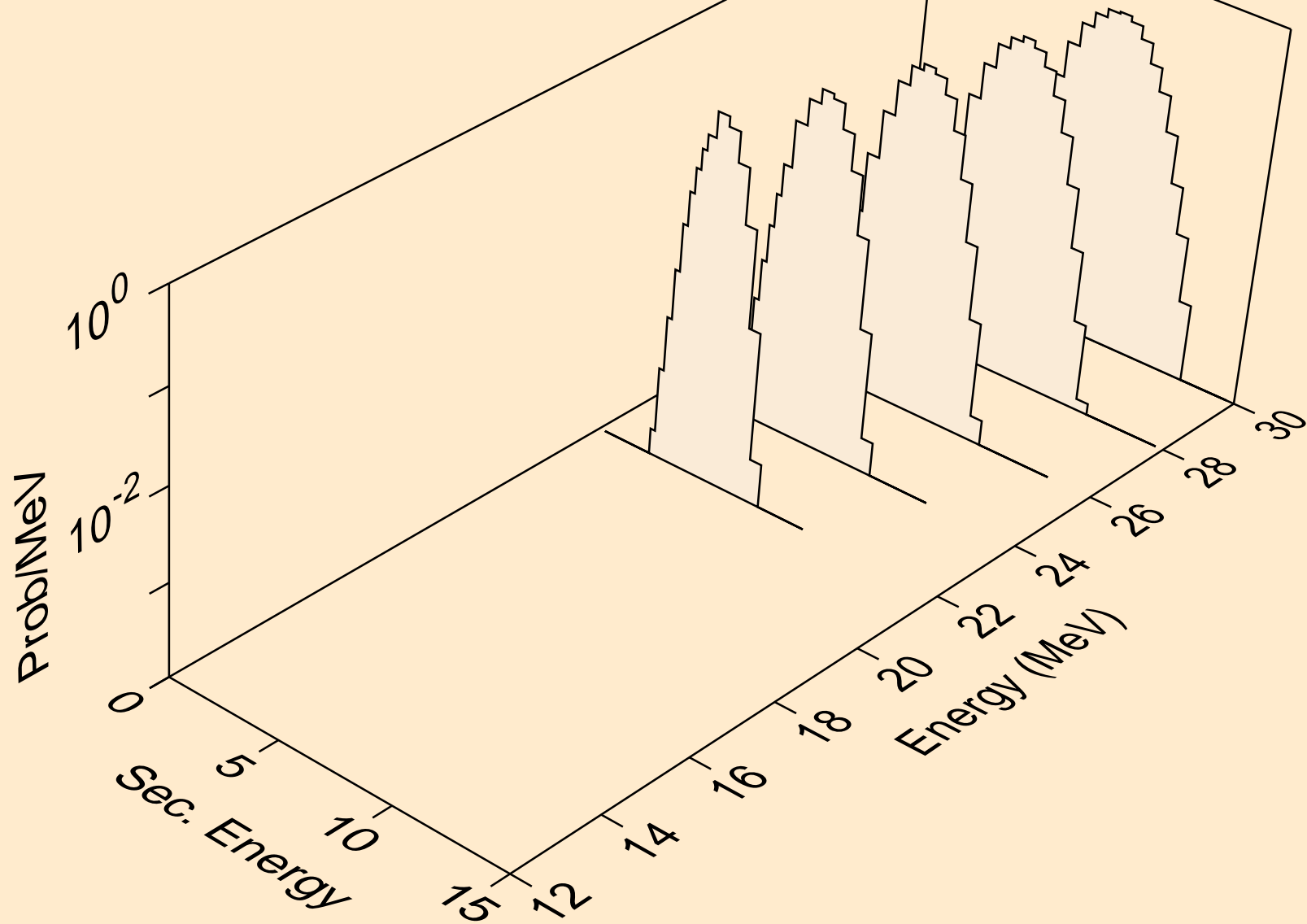
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,3np)

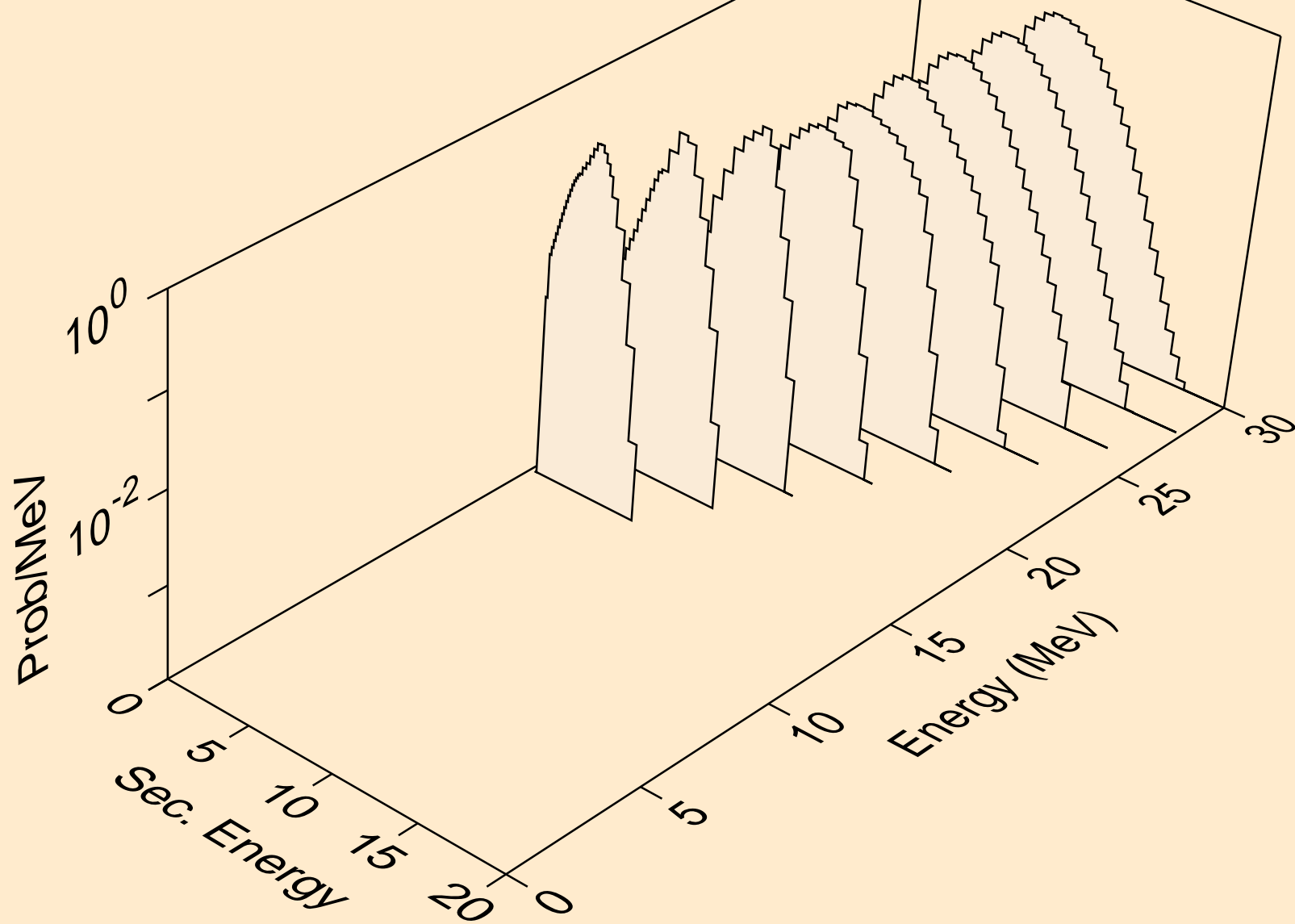


TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)

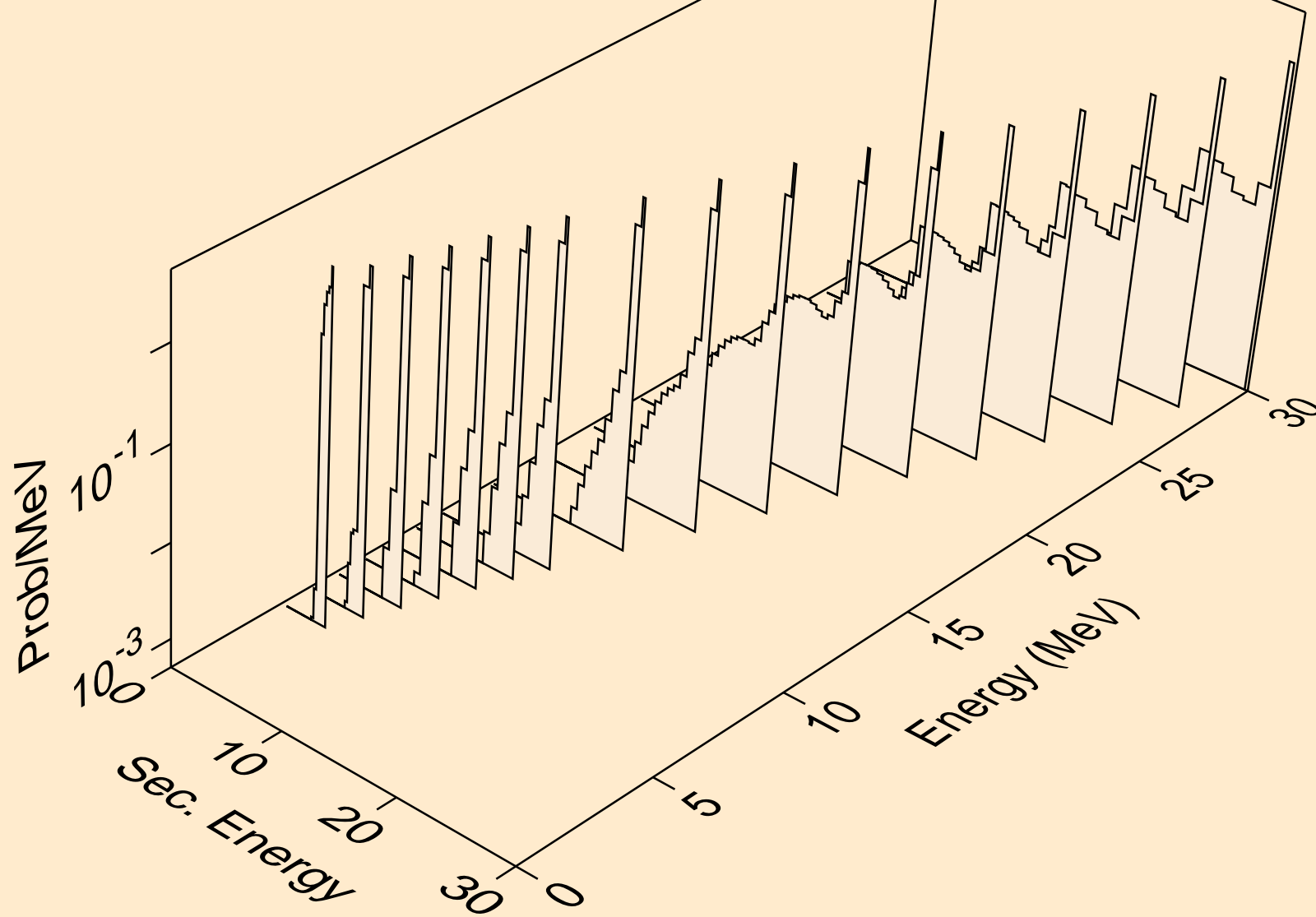




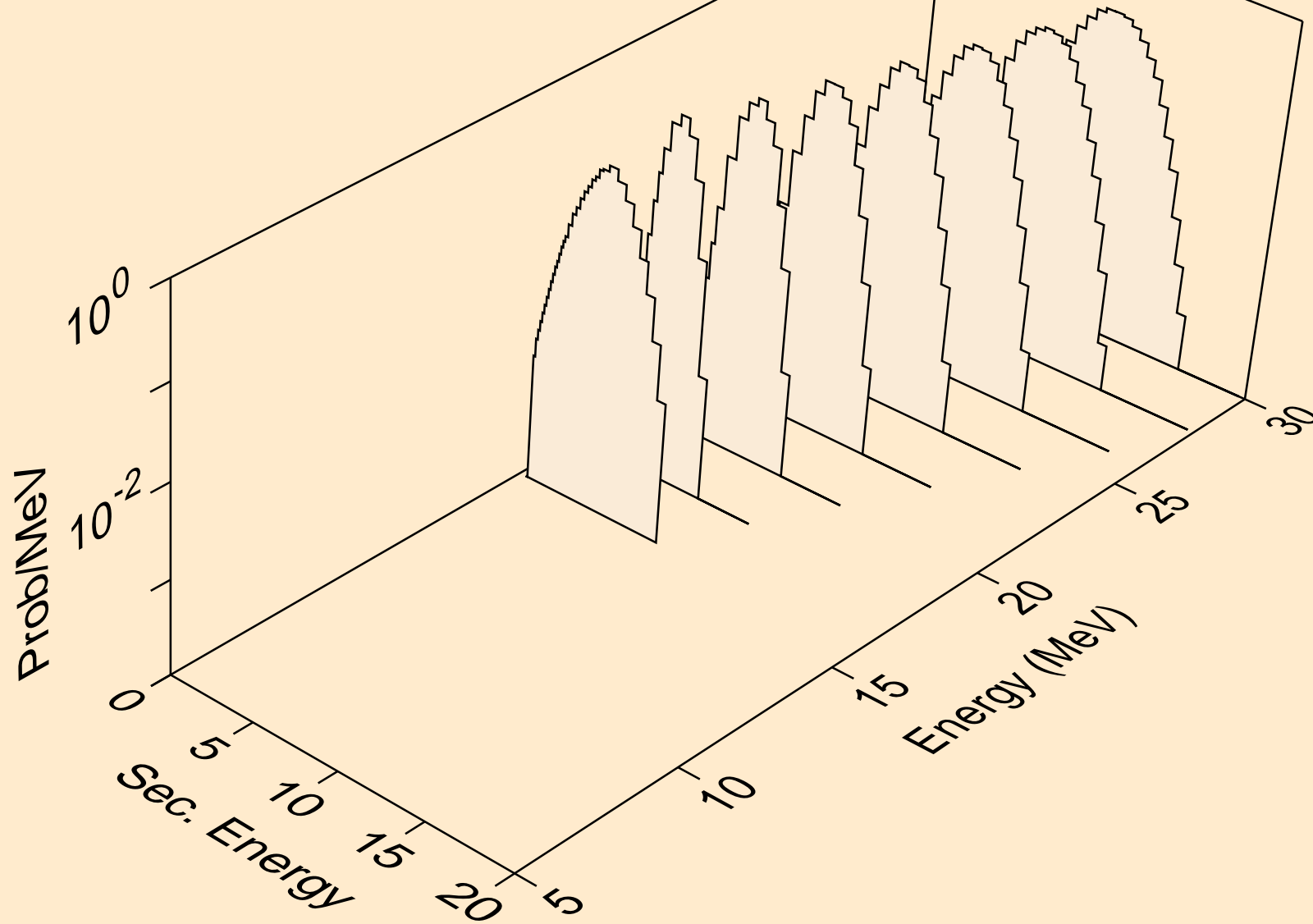
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,npa)



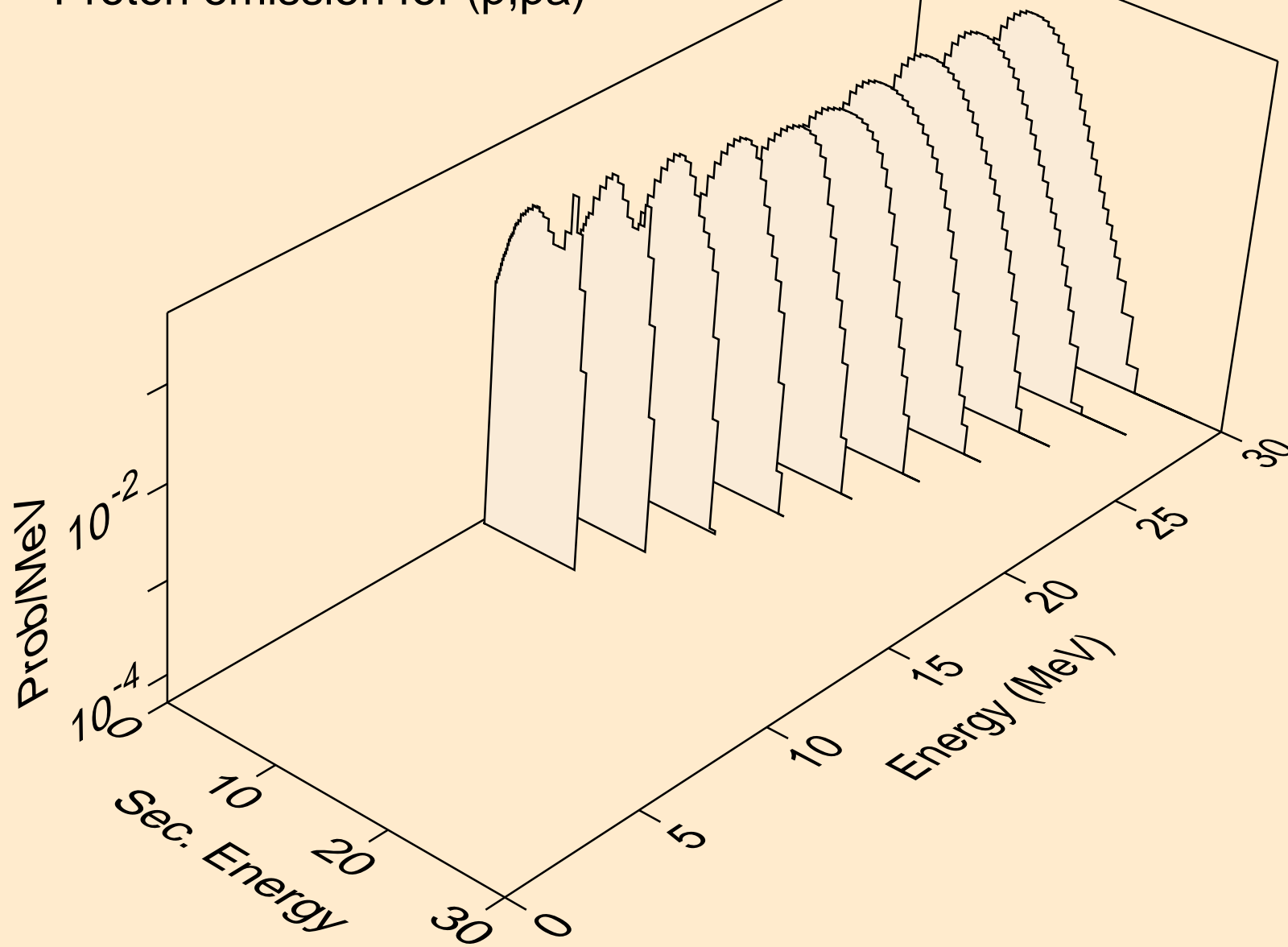
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic



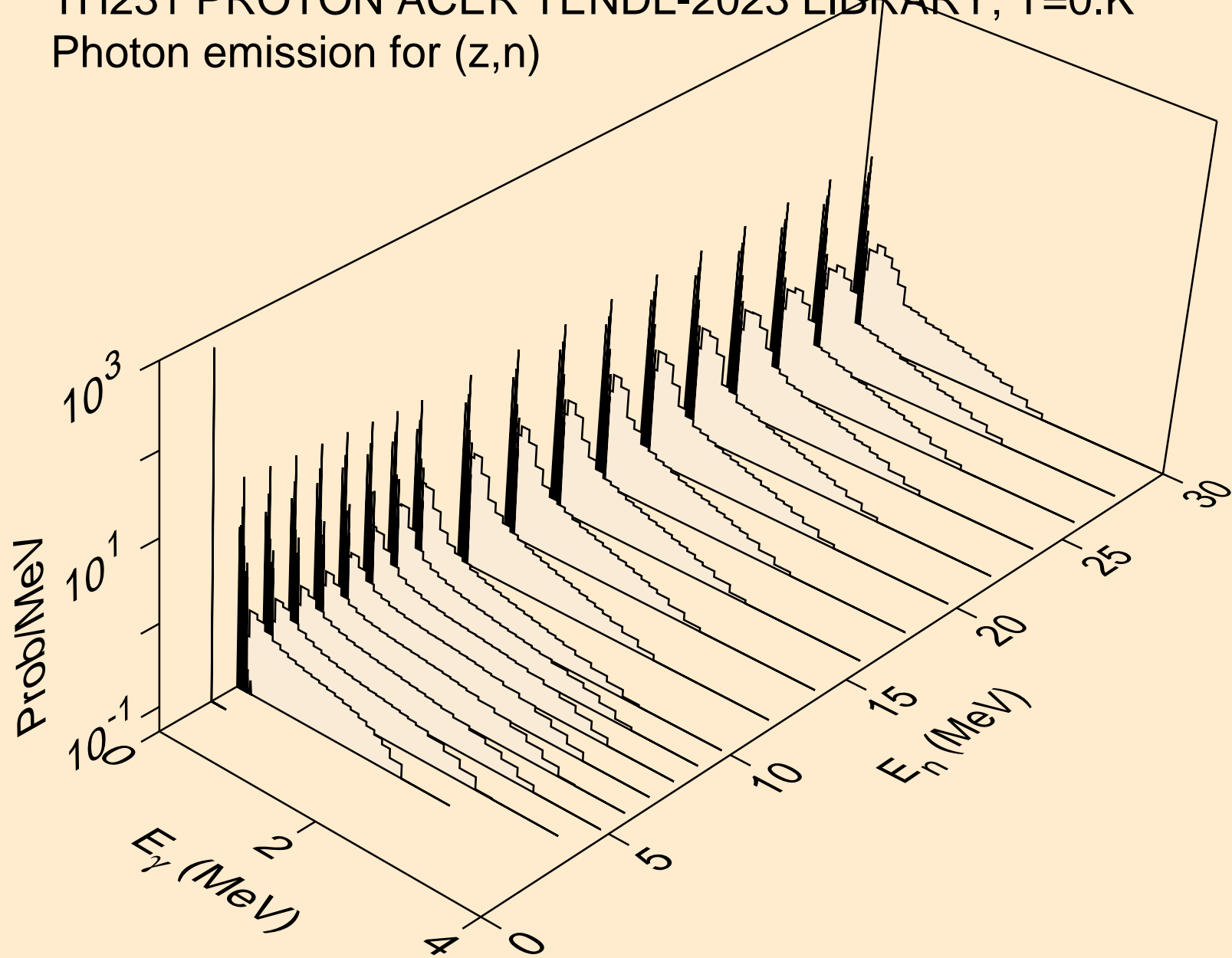
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2p)



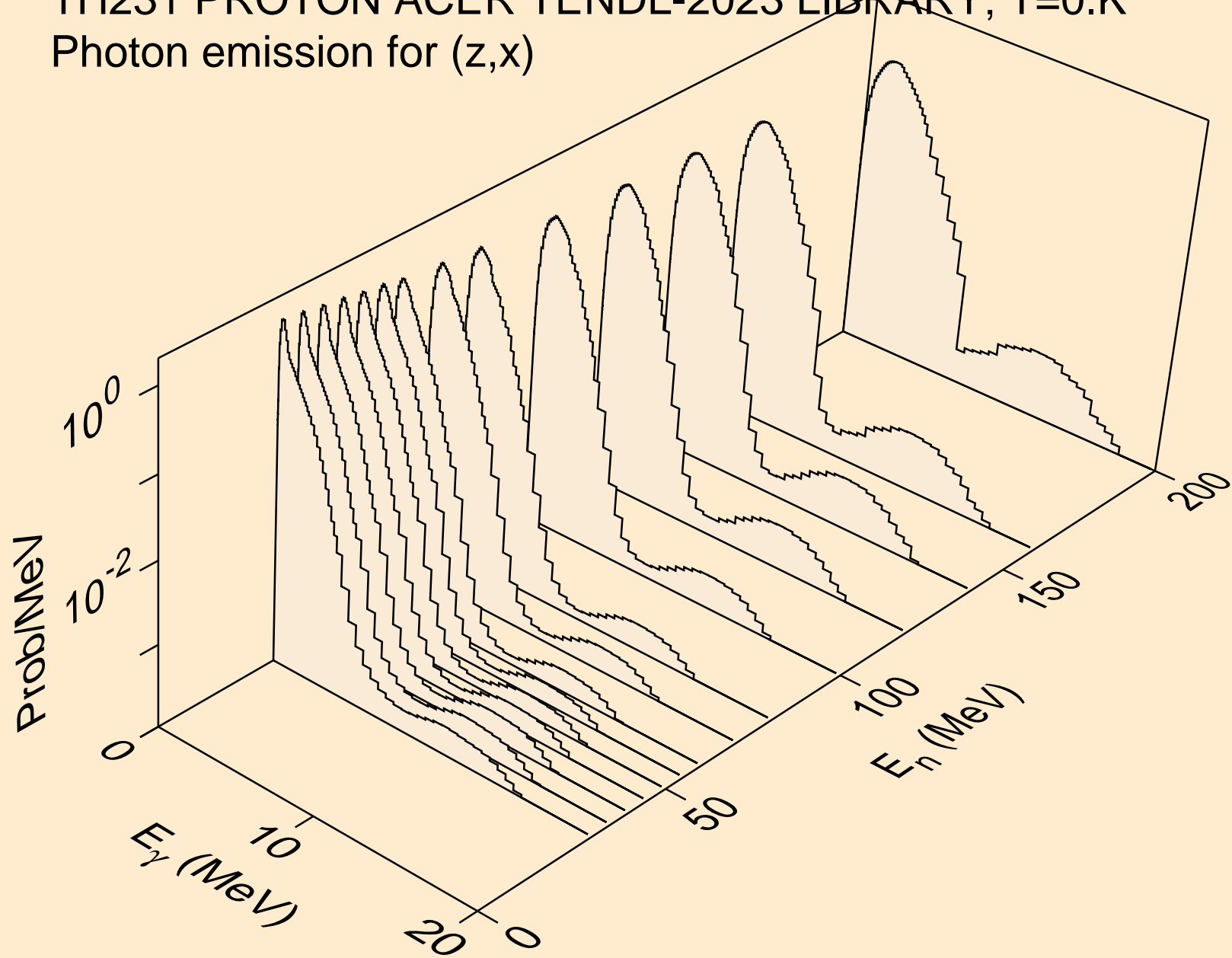
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pa)



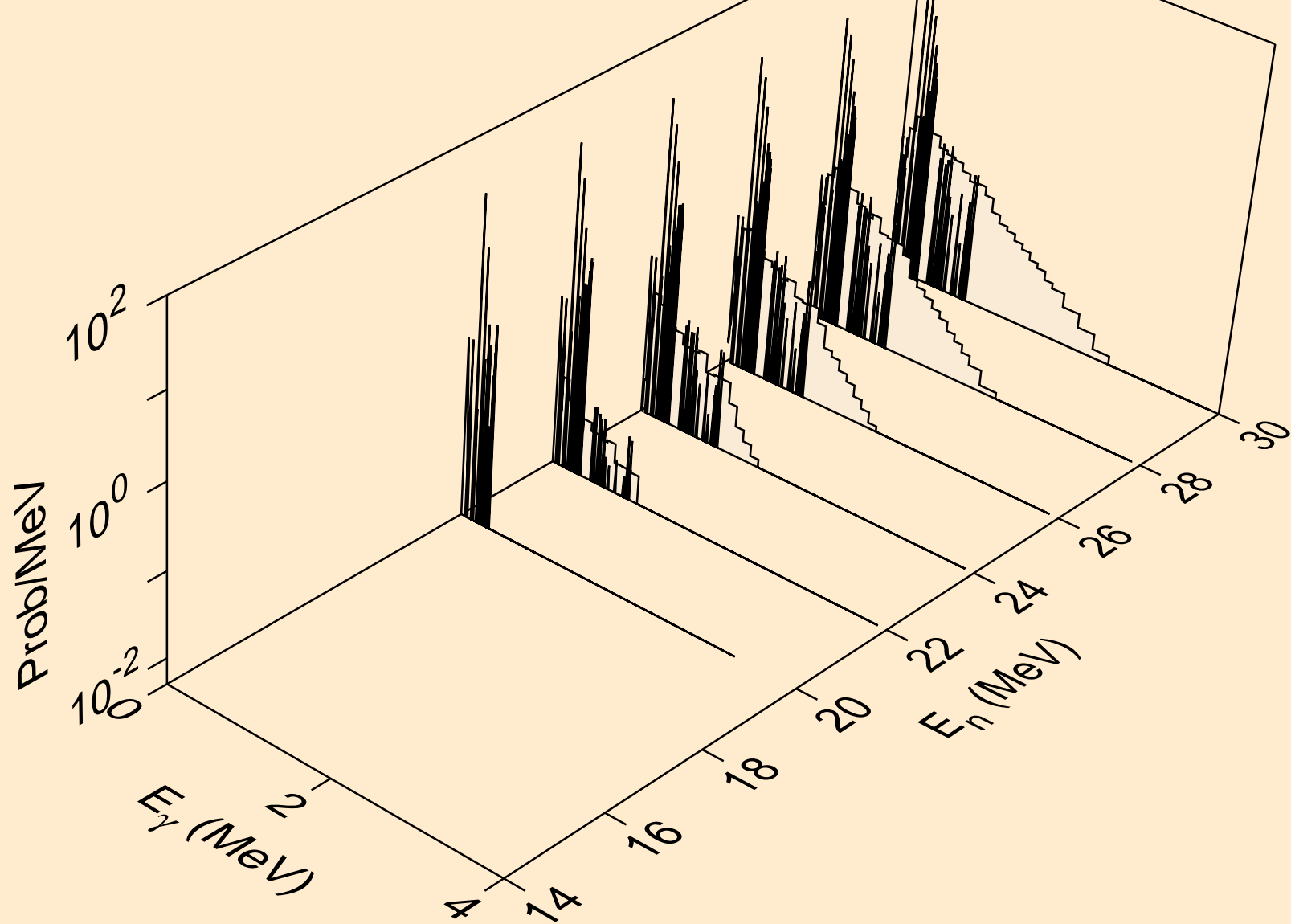
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



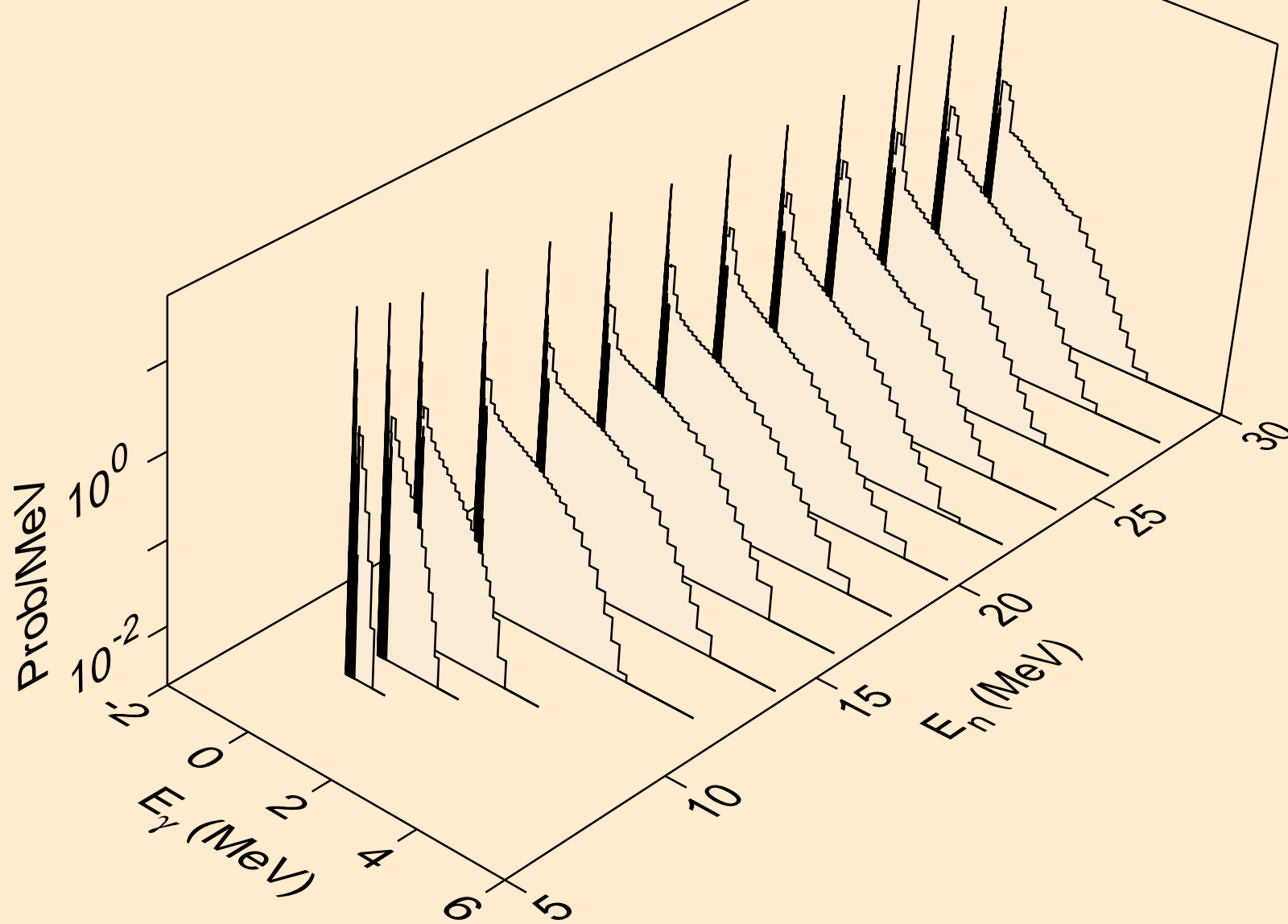
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)

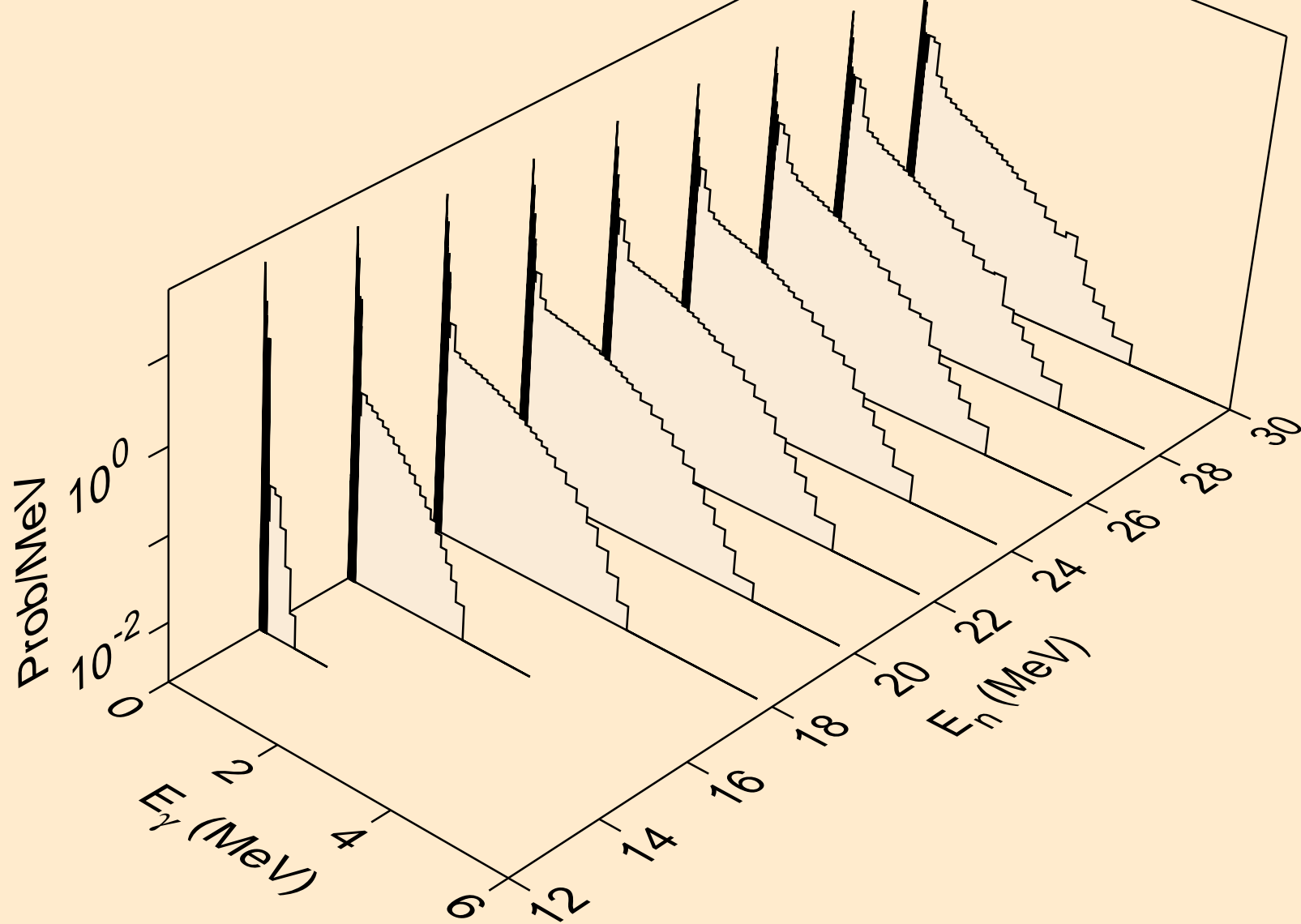


TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

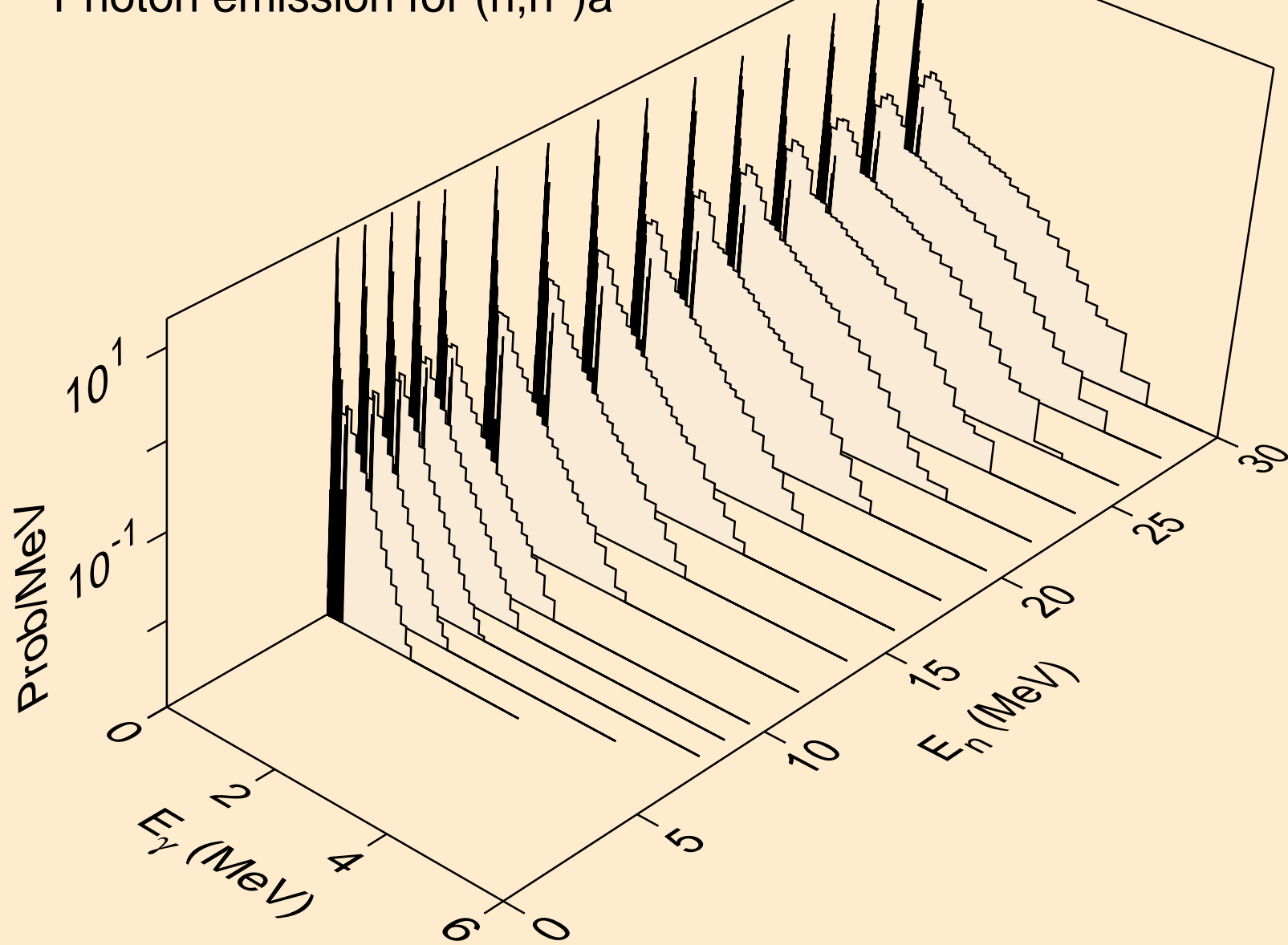




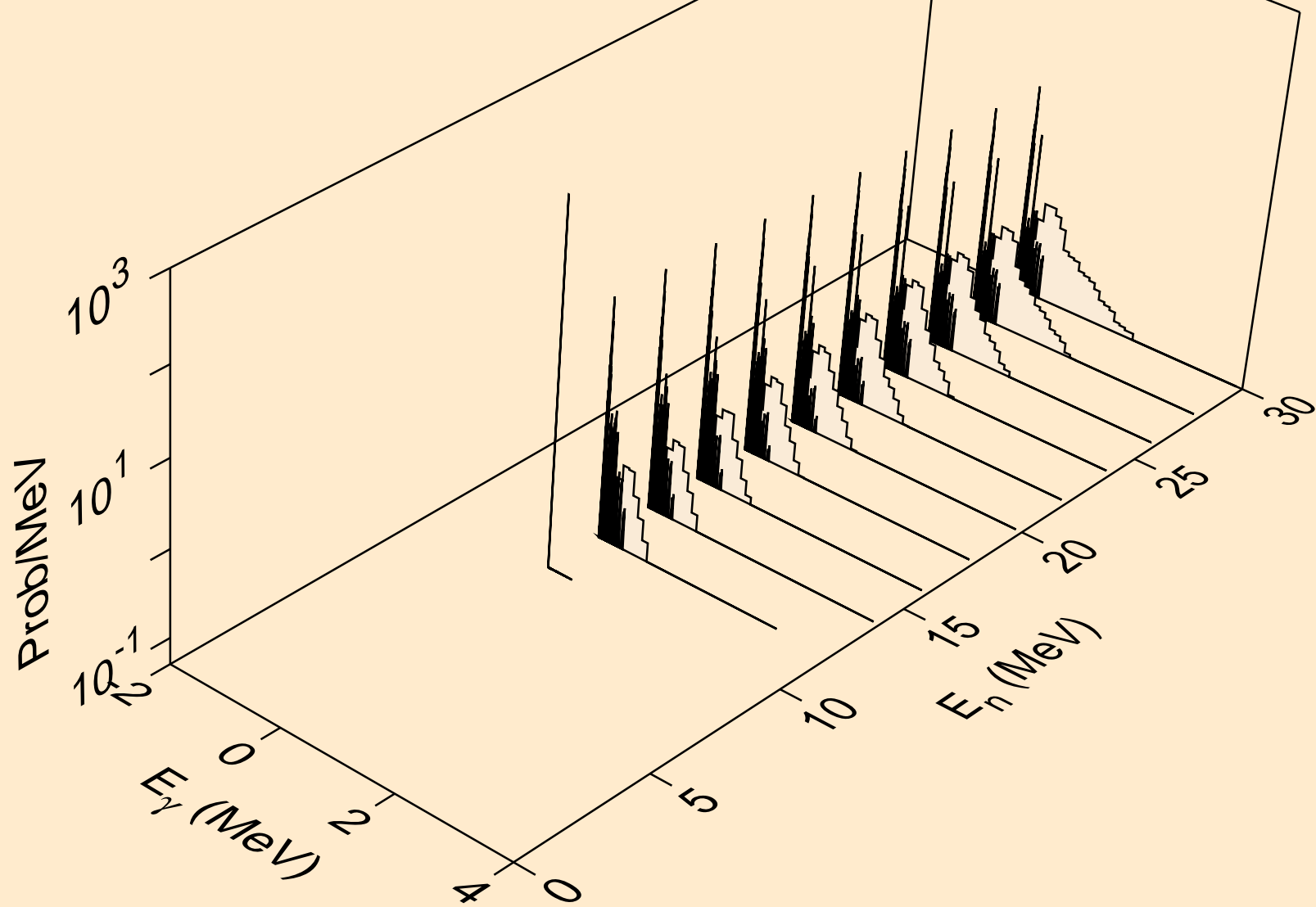
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



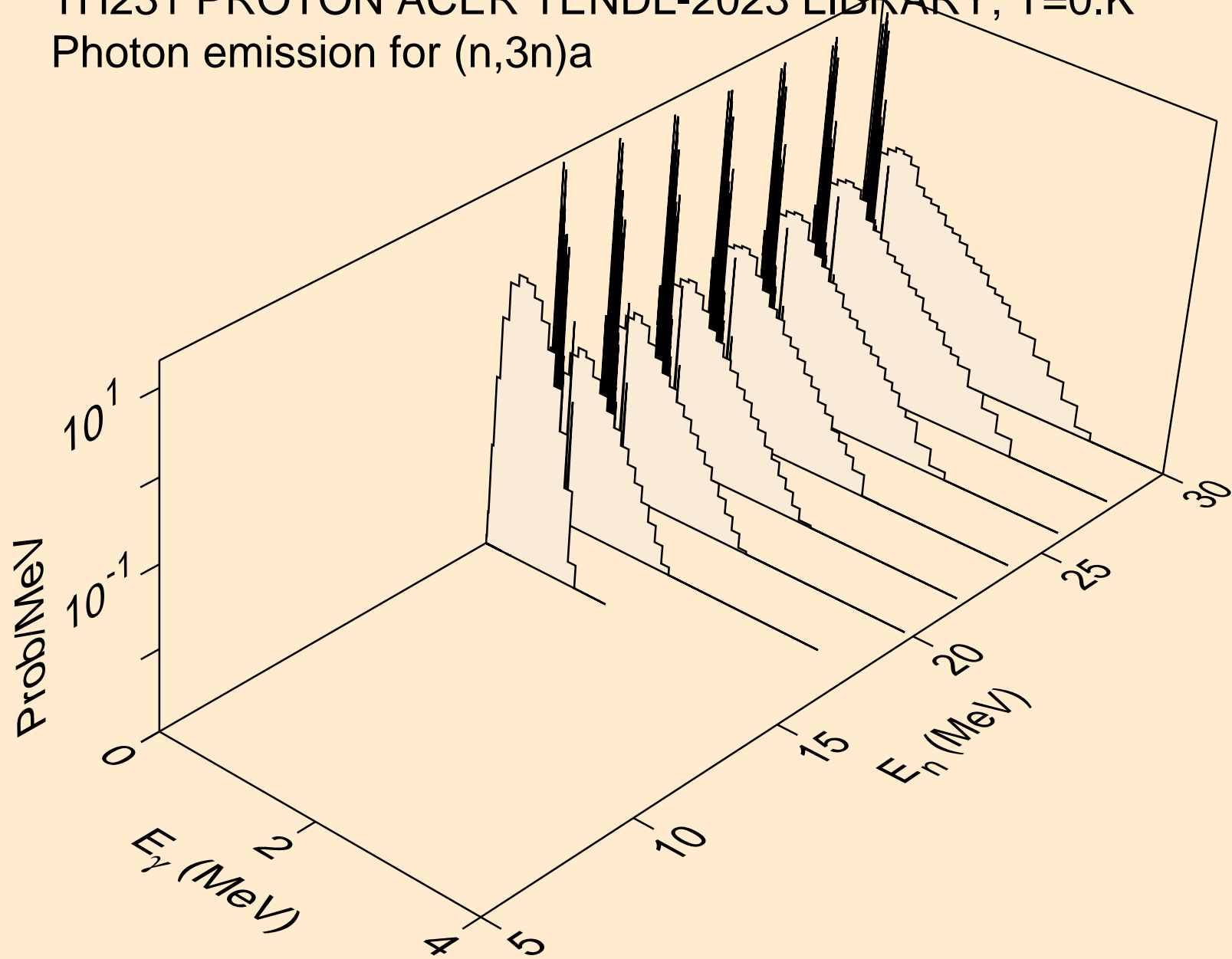
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



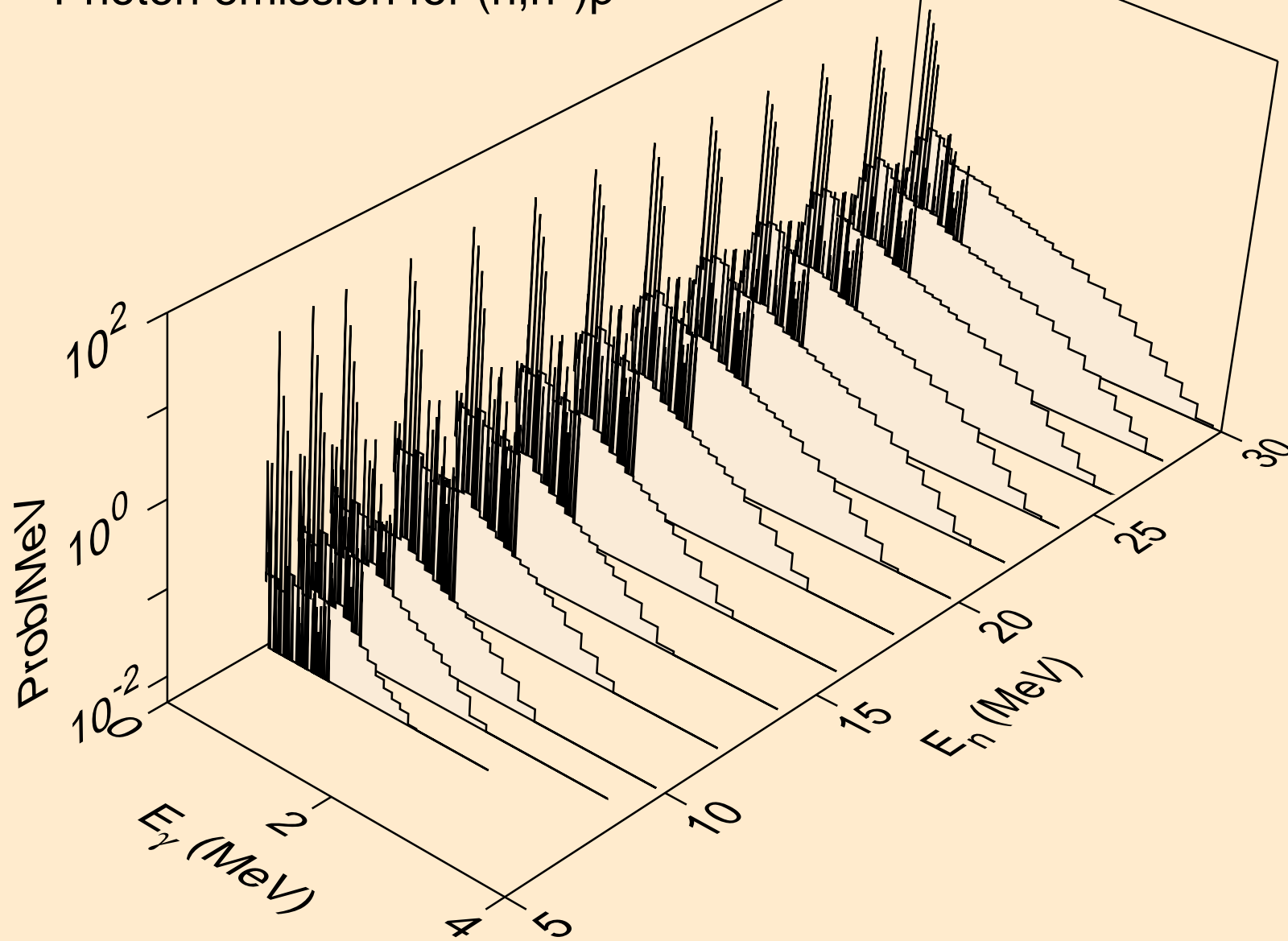
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n) $\alpha$



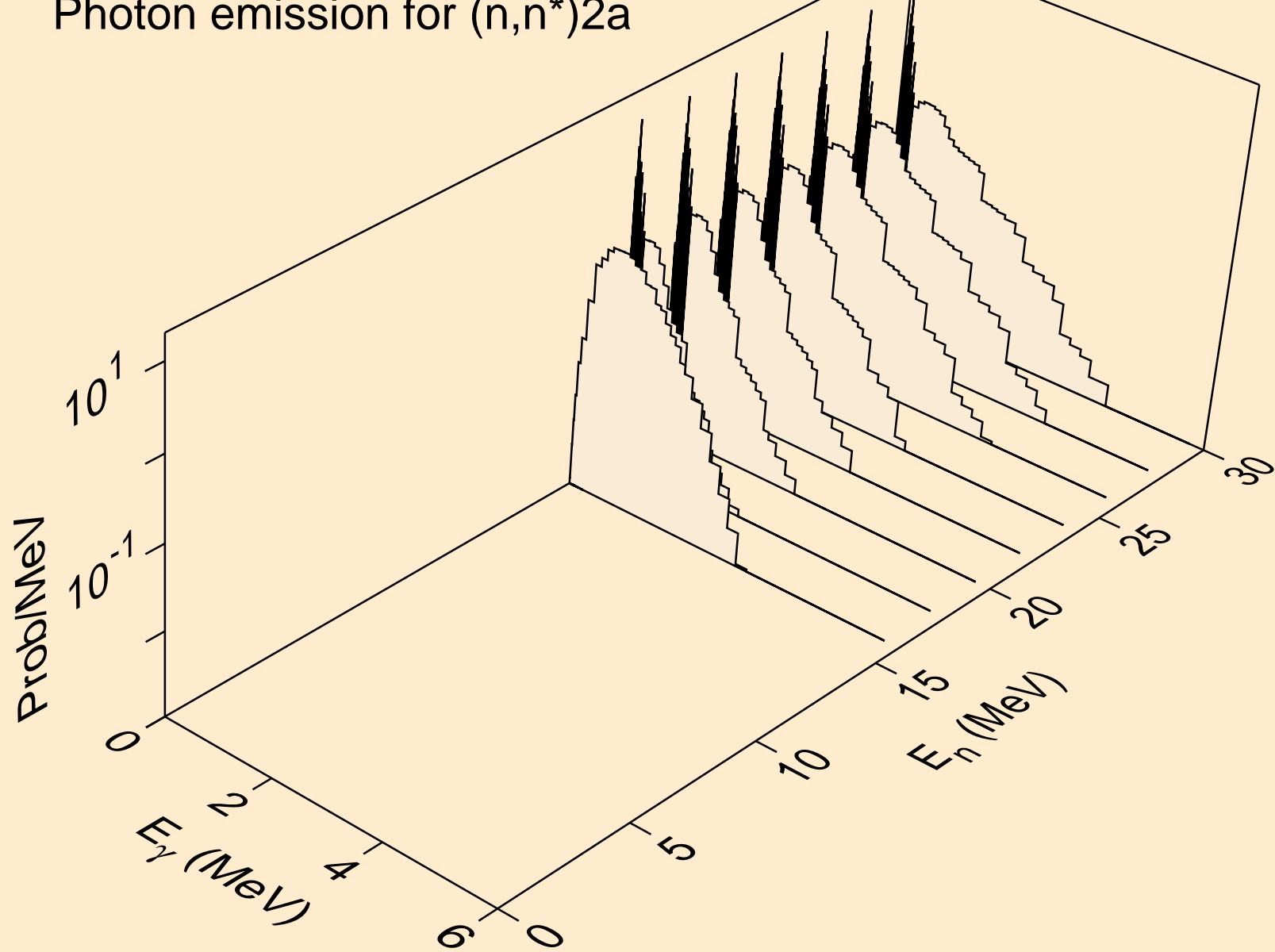
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



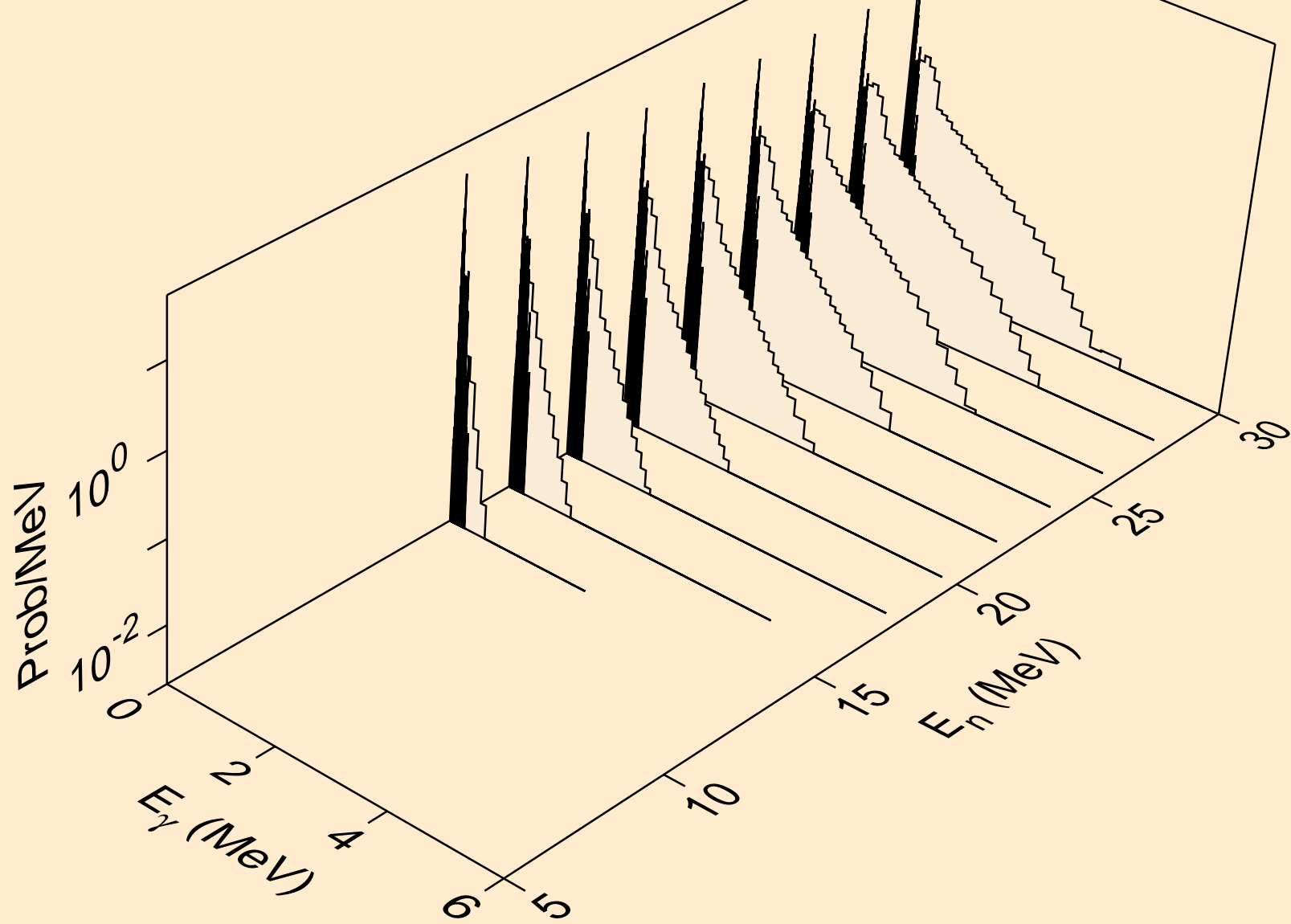
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



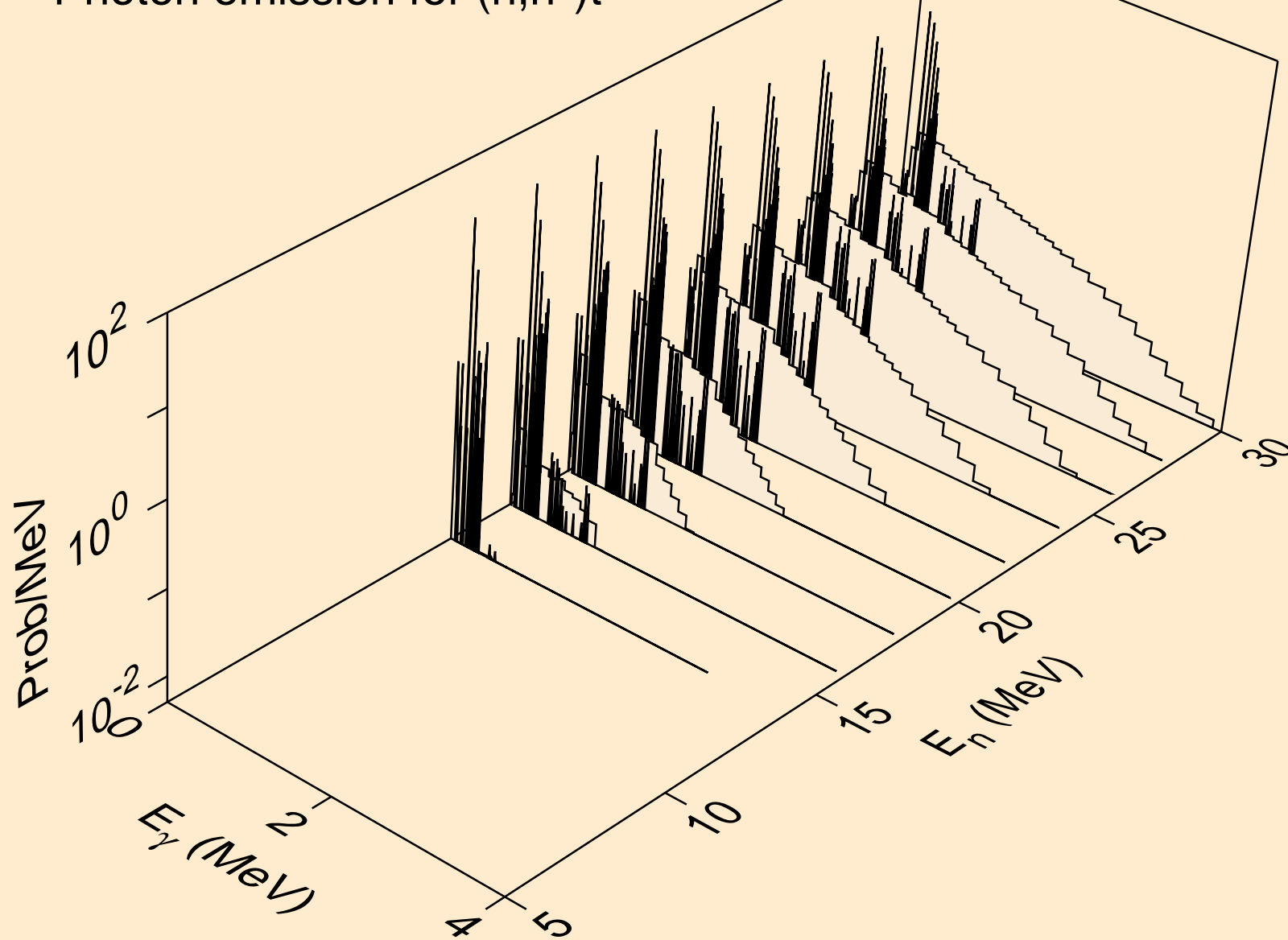
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

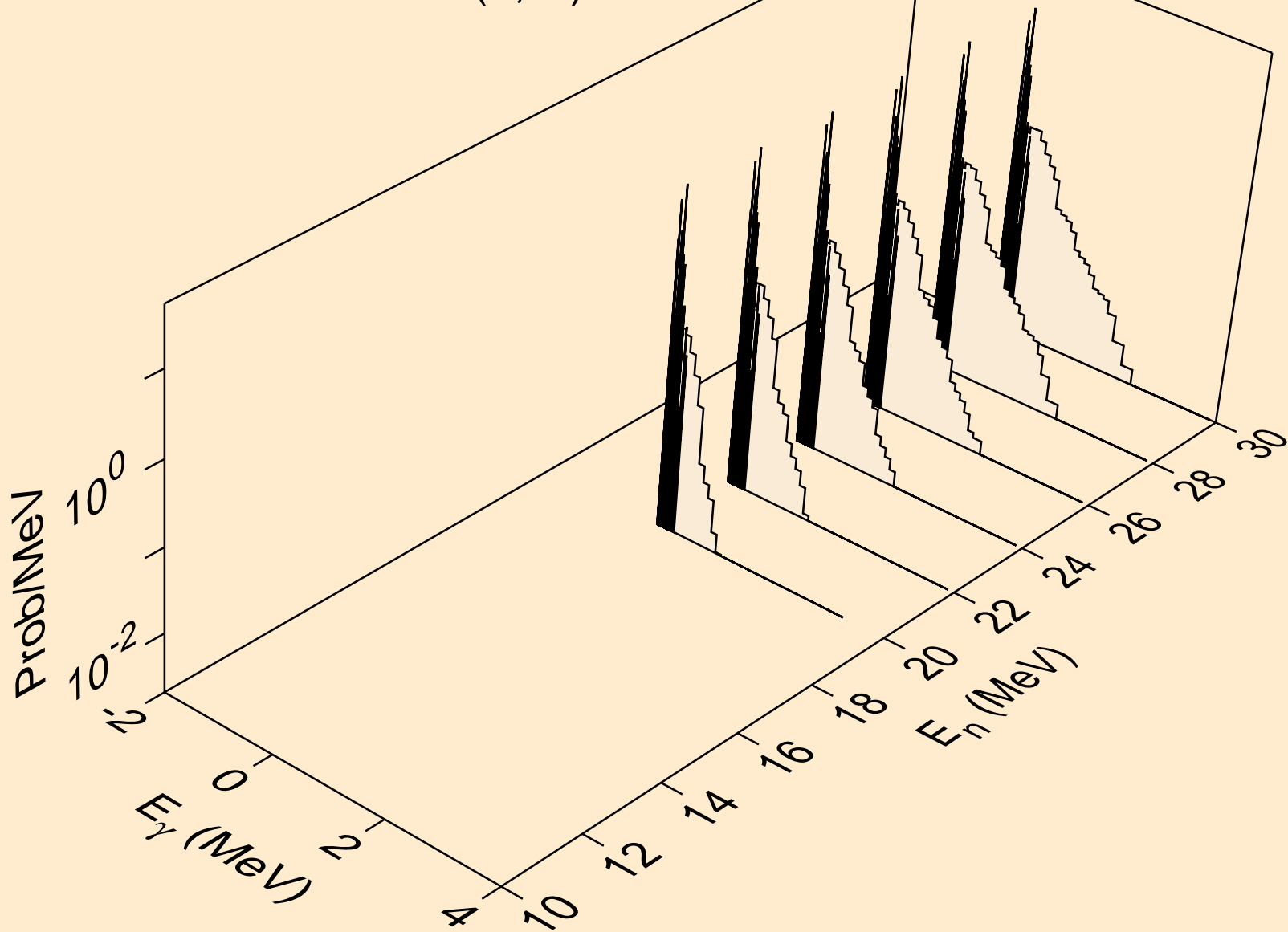


TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

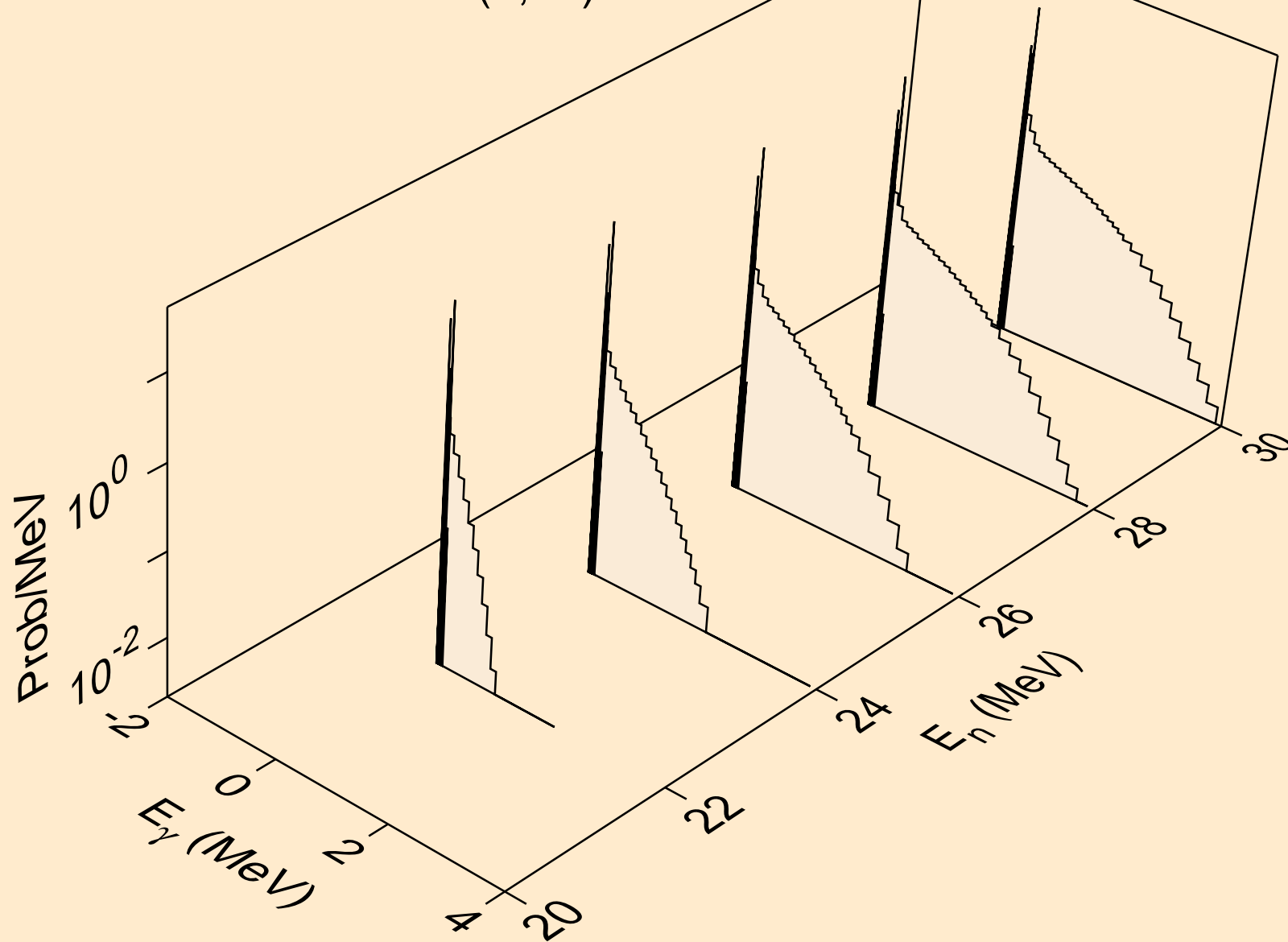




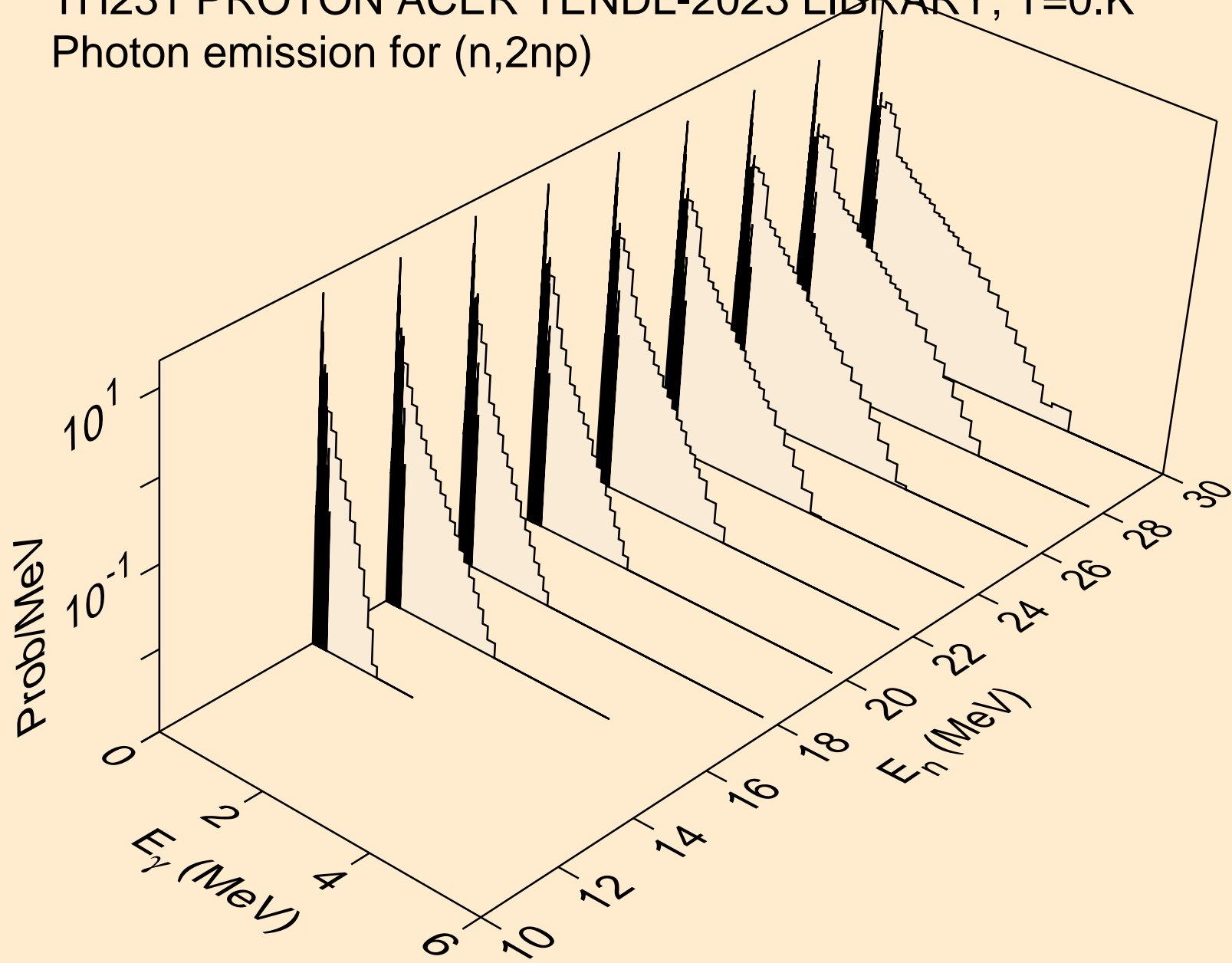
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



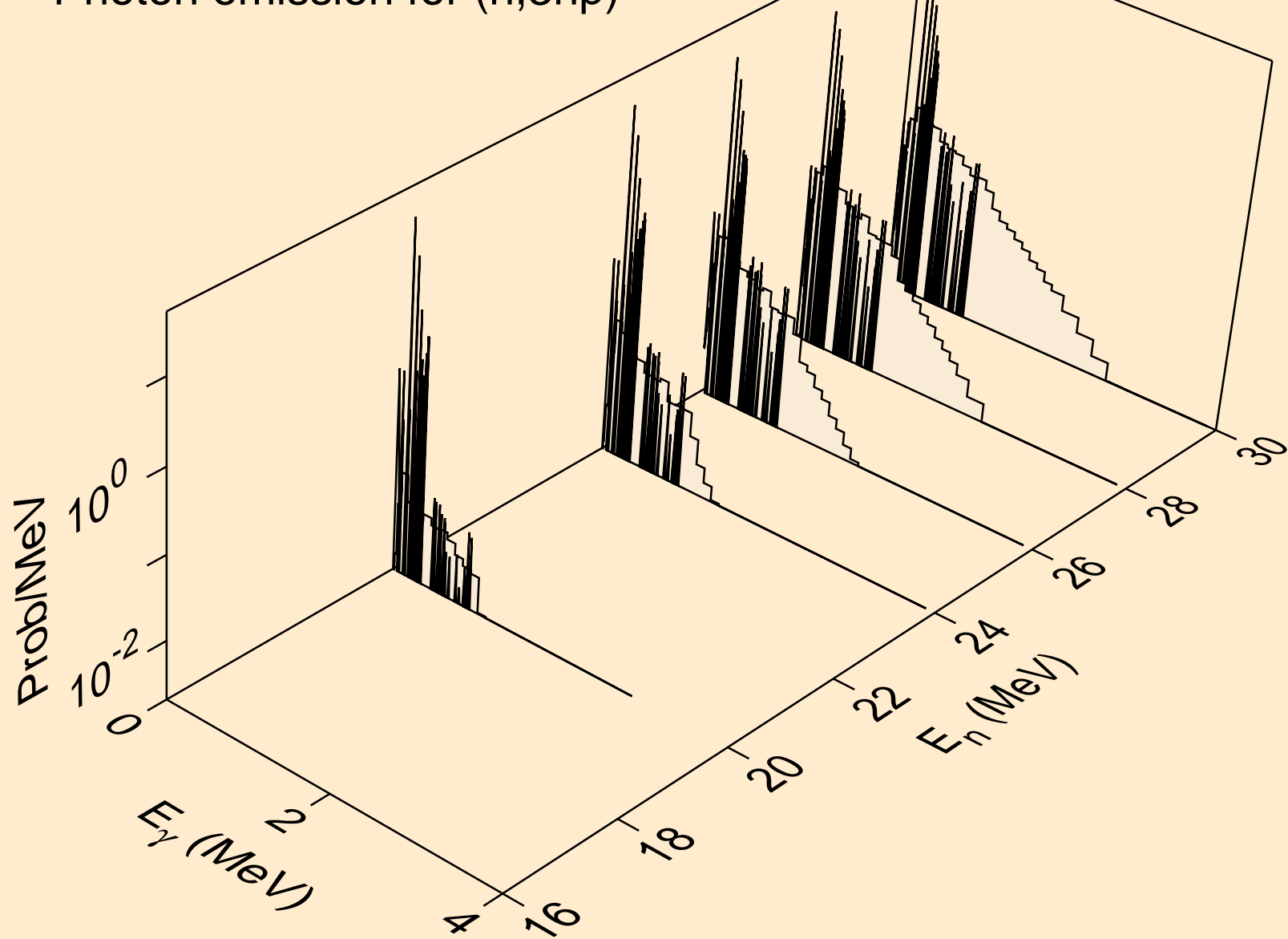
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



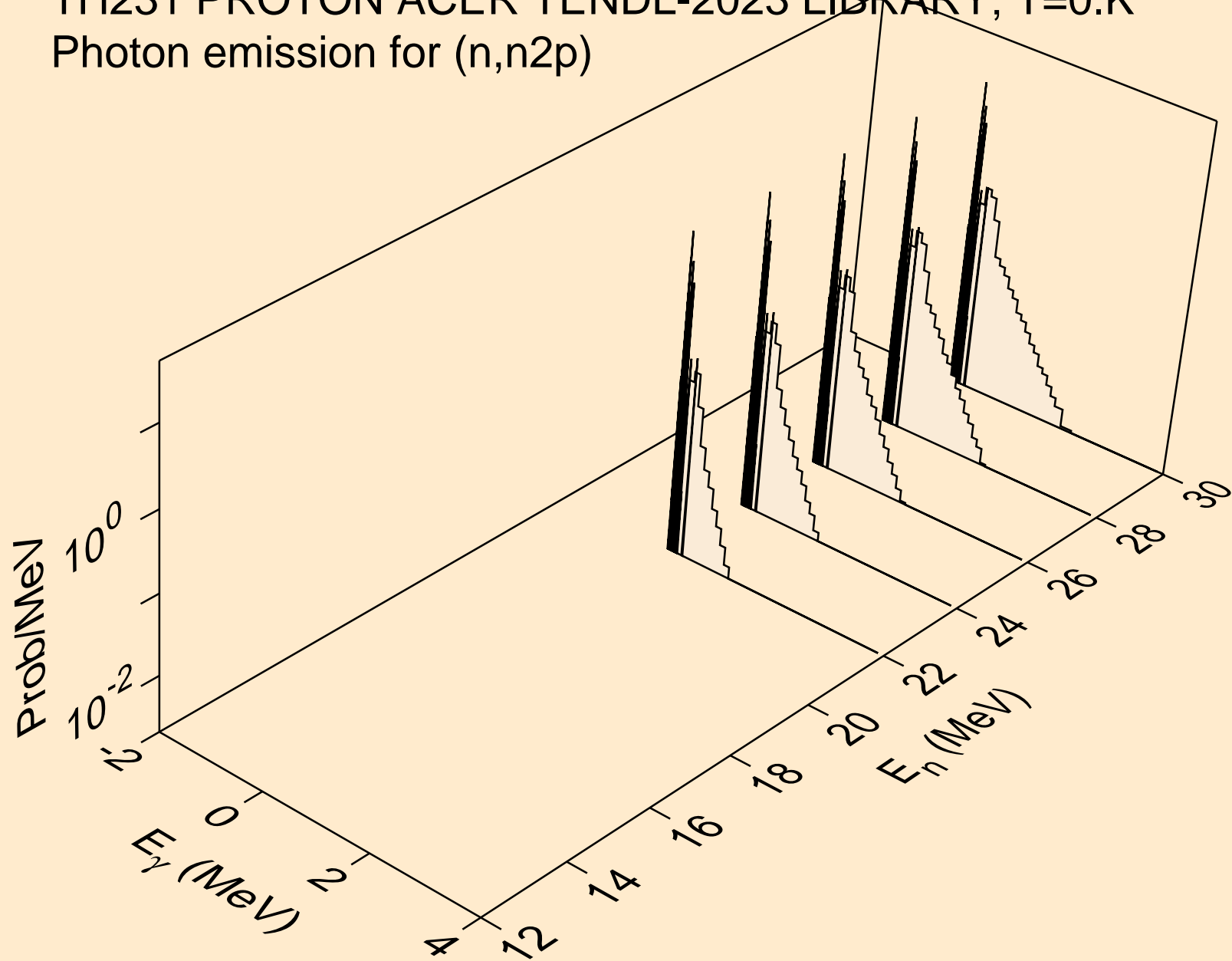
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



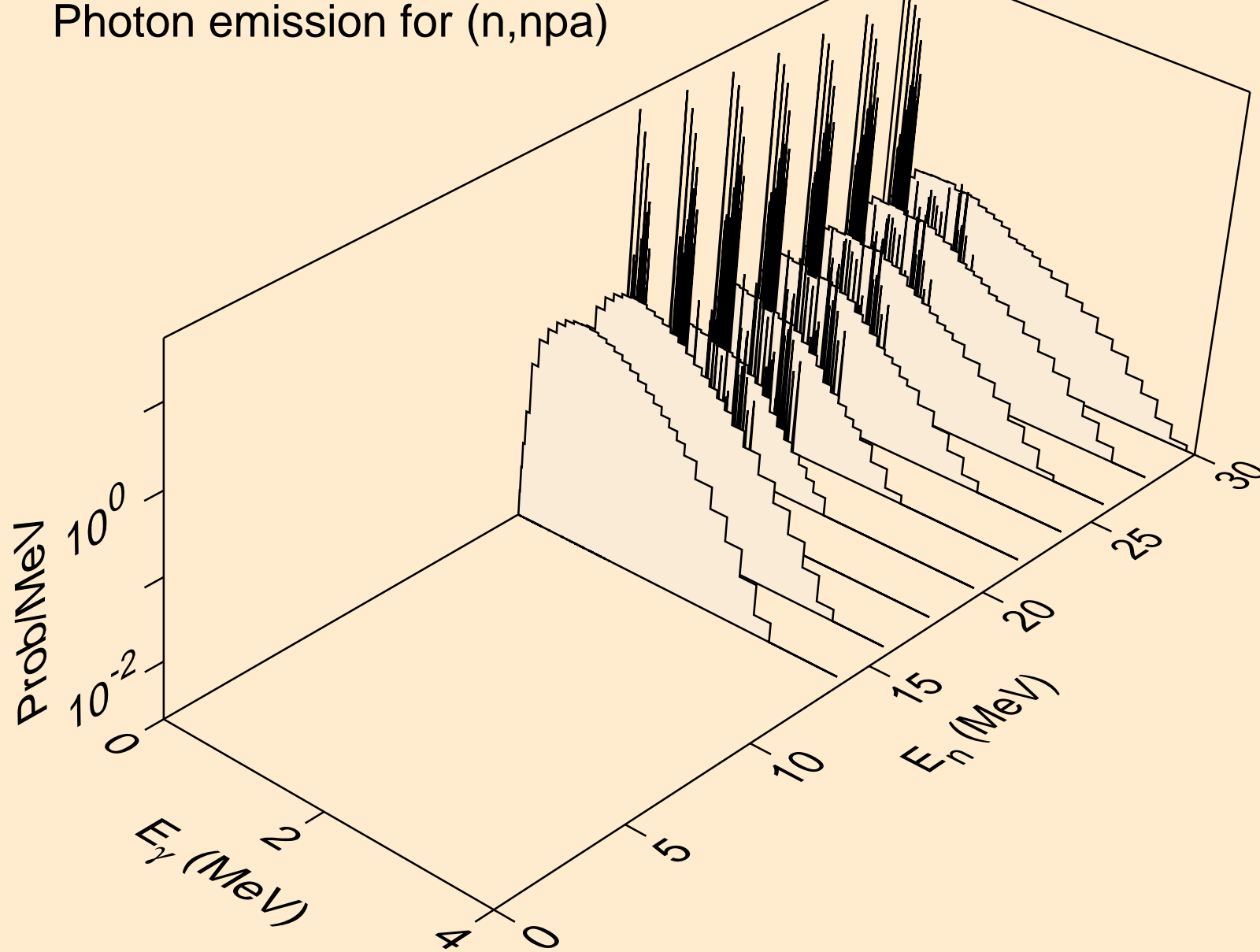
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



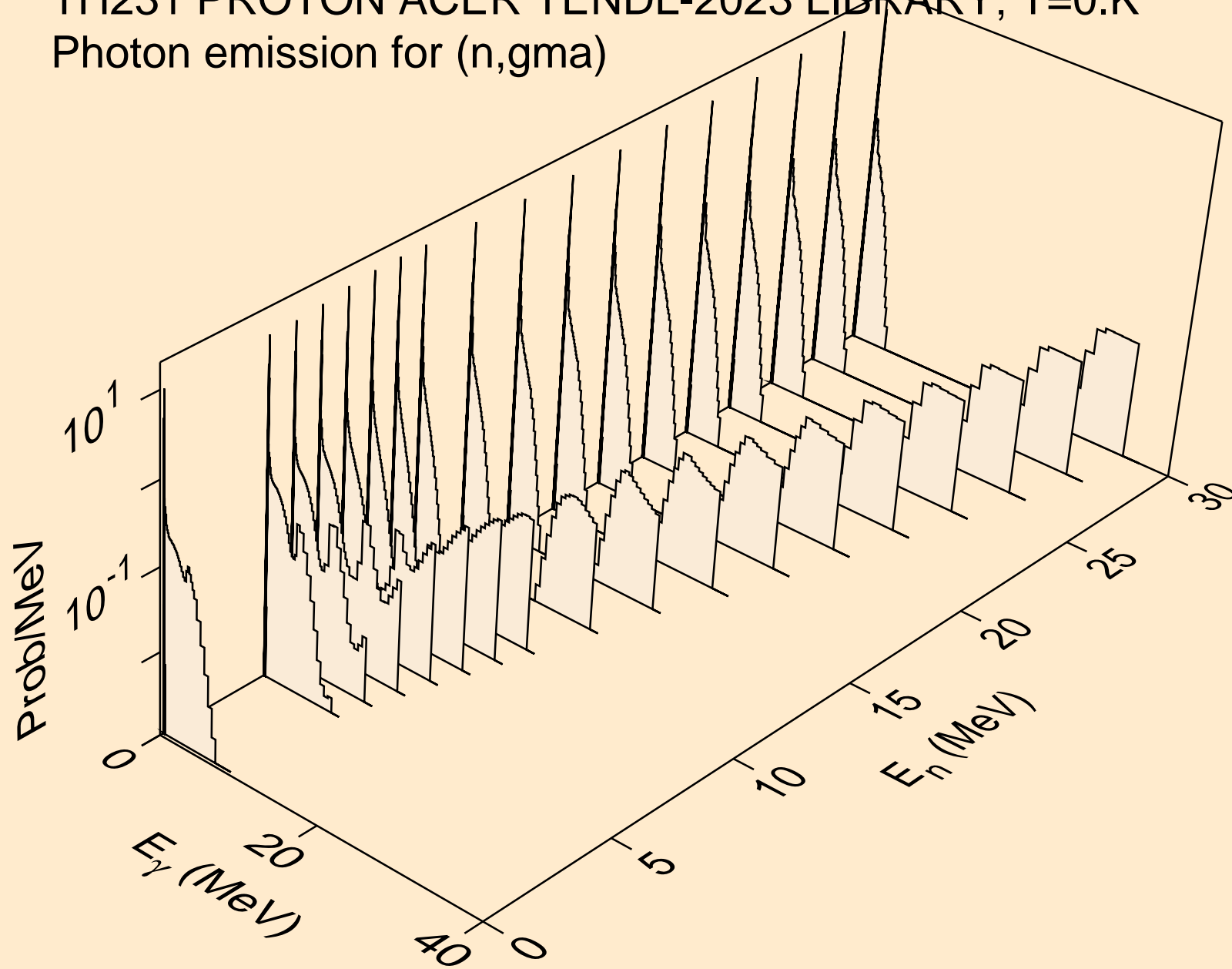
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



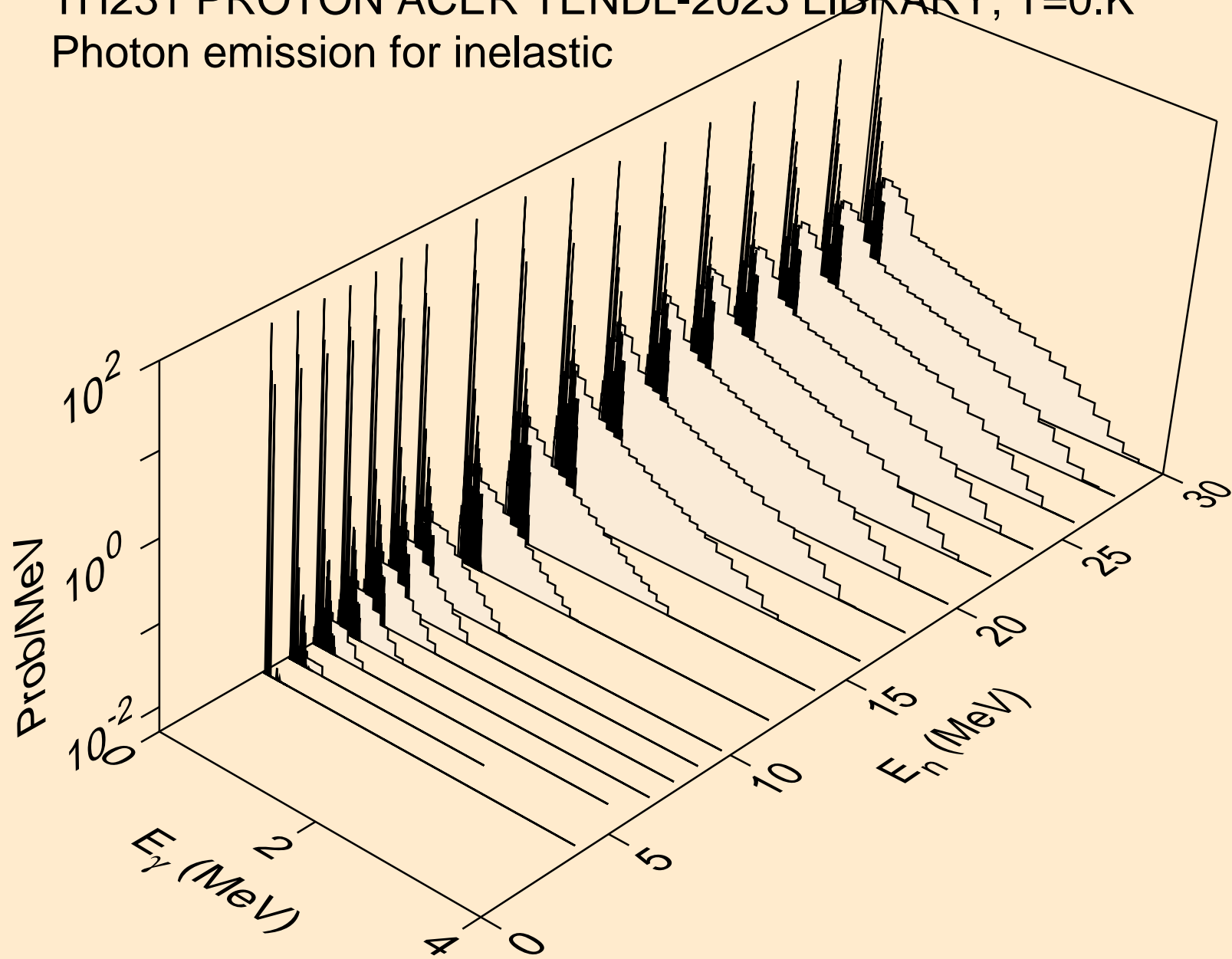
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)

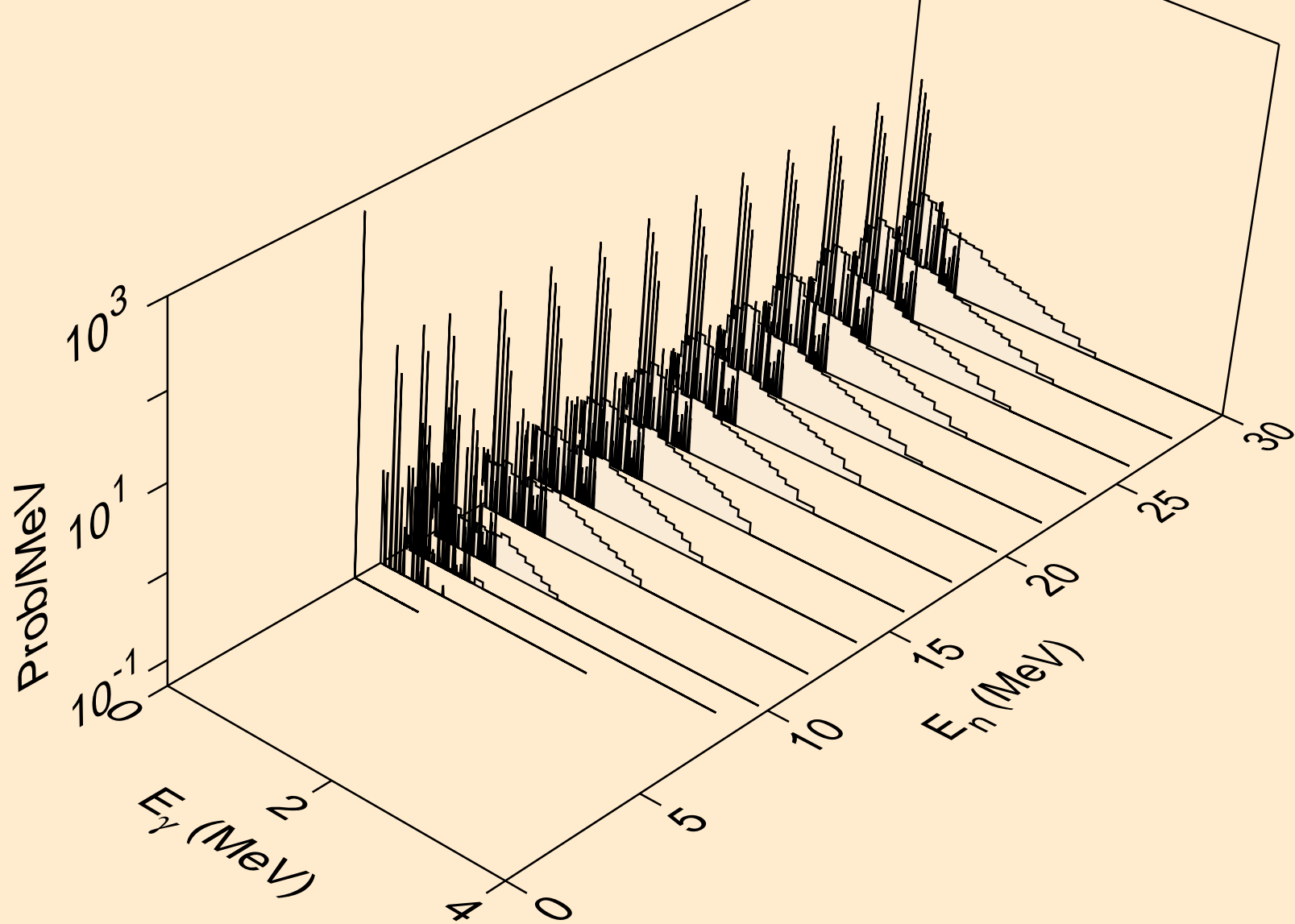


TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic

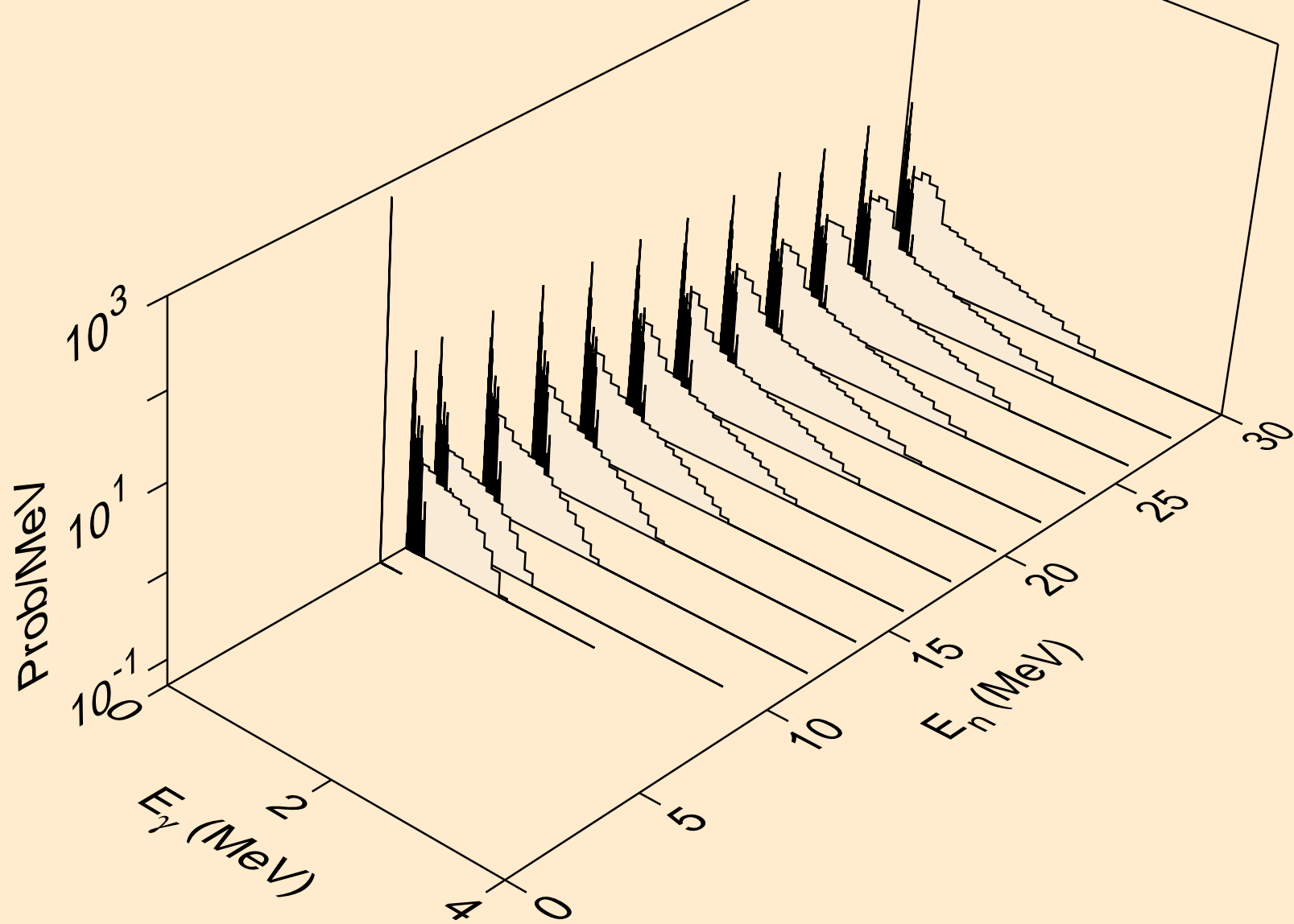




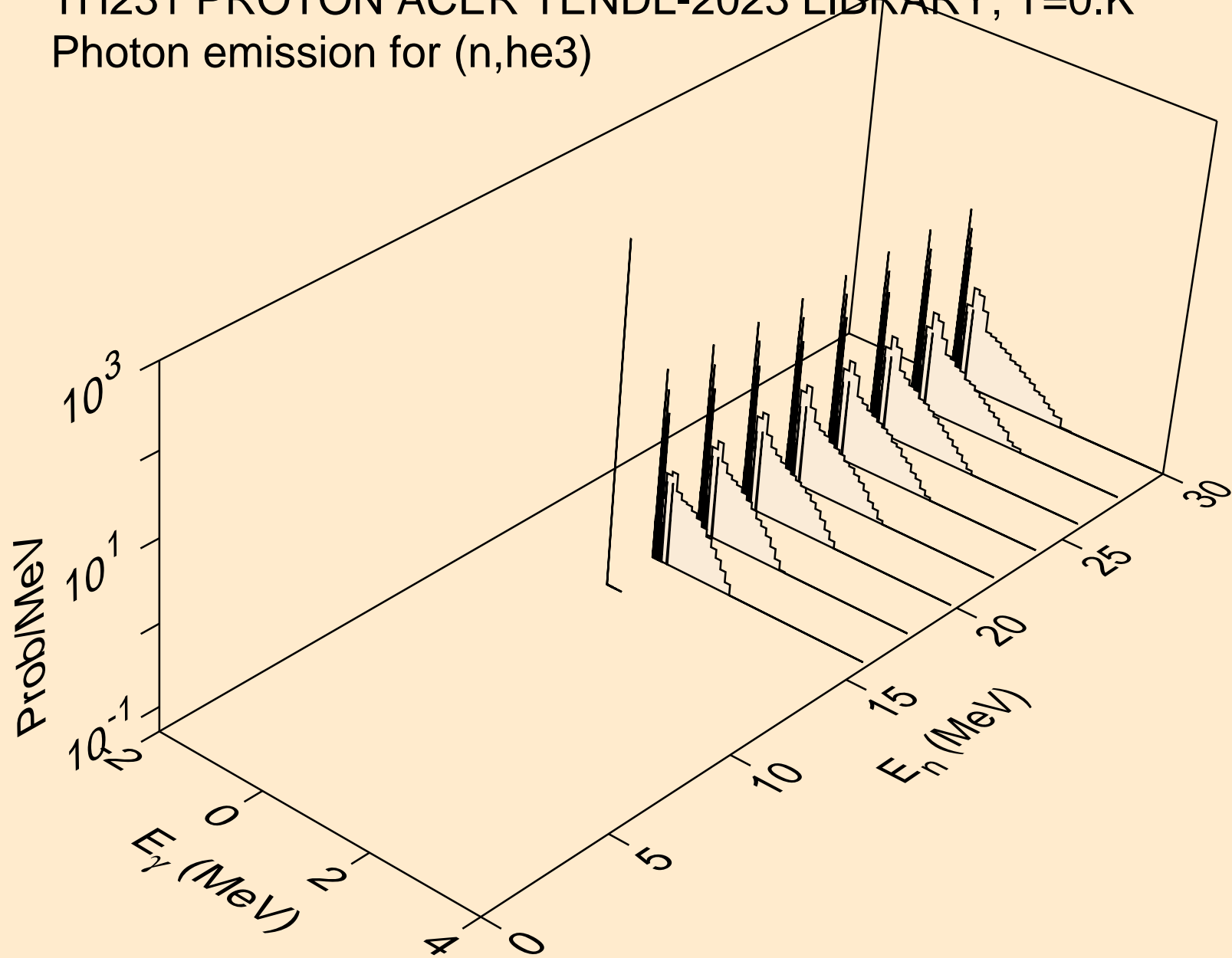
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



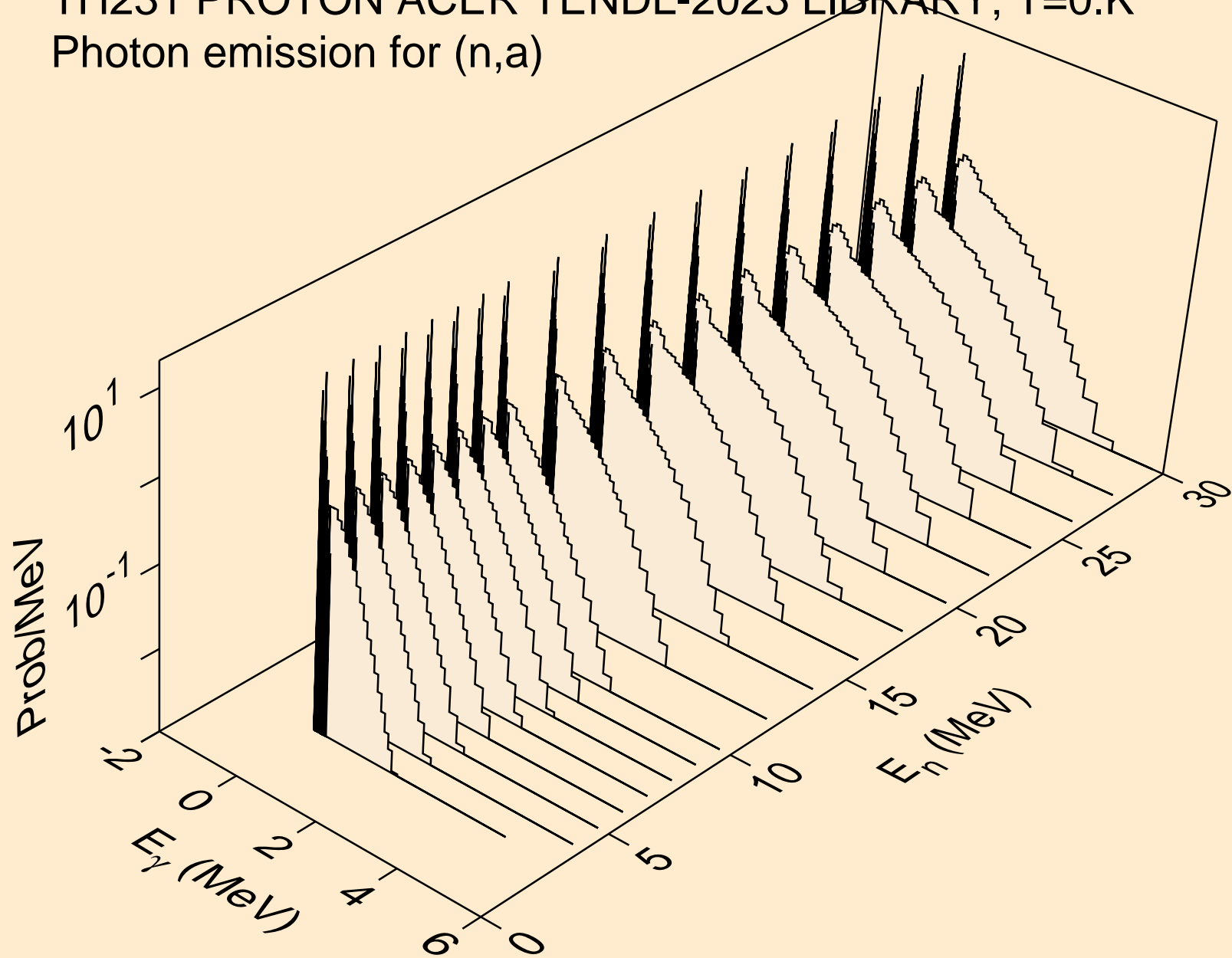
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



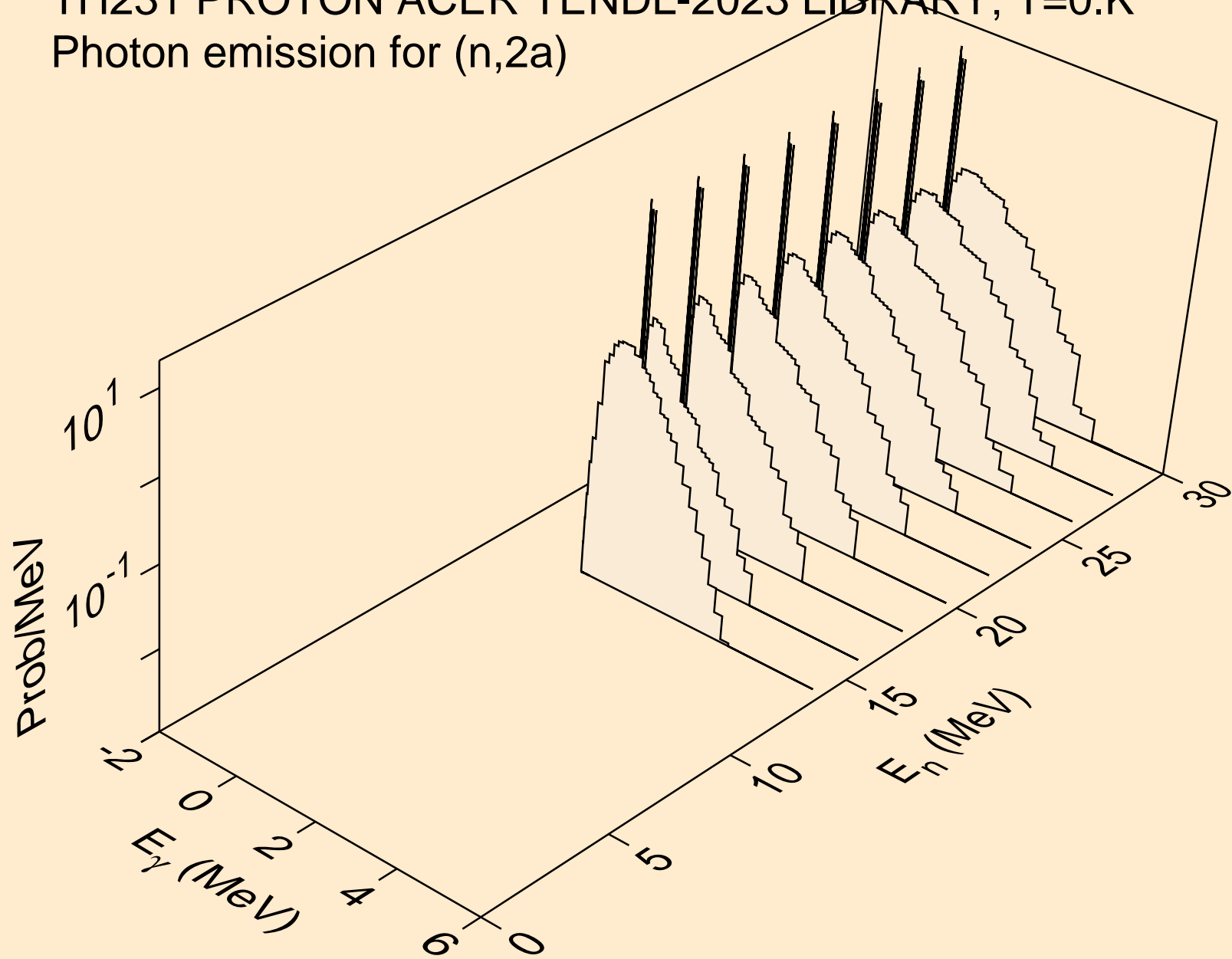
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



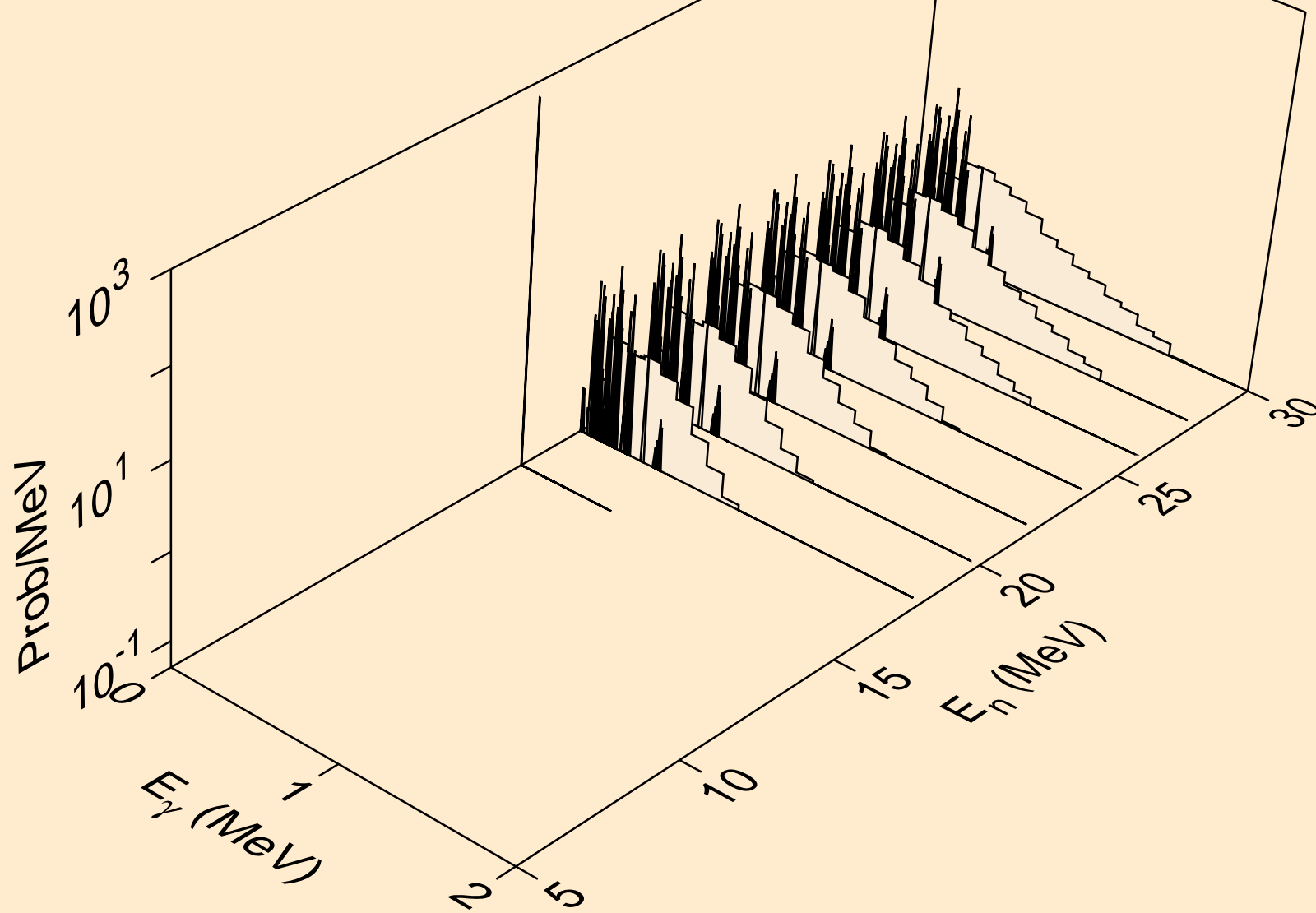
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



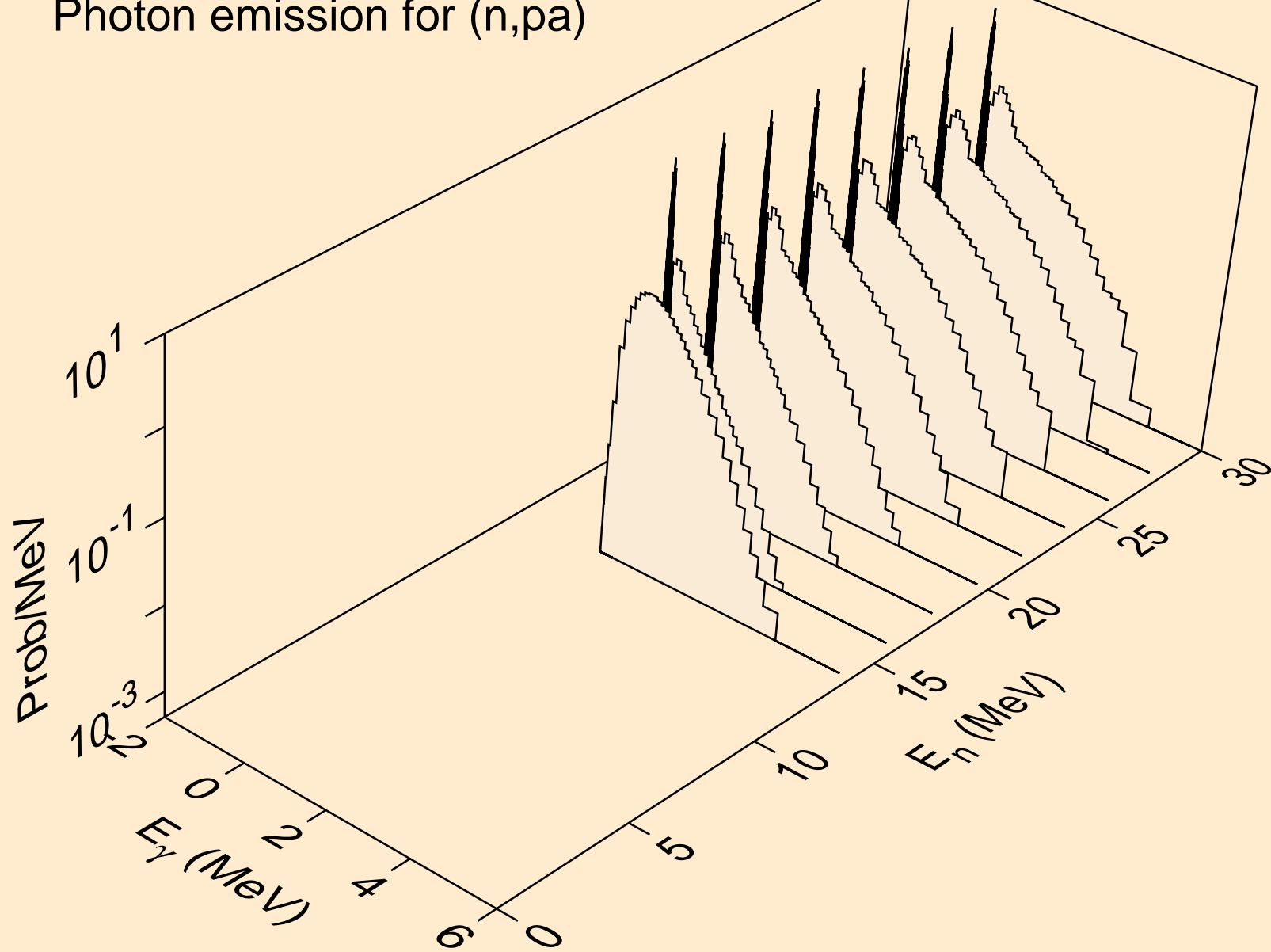
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



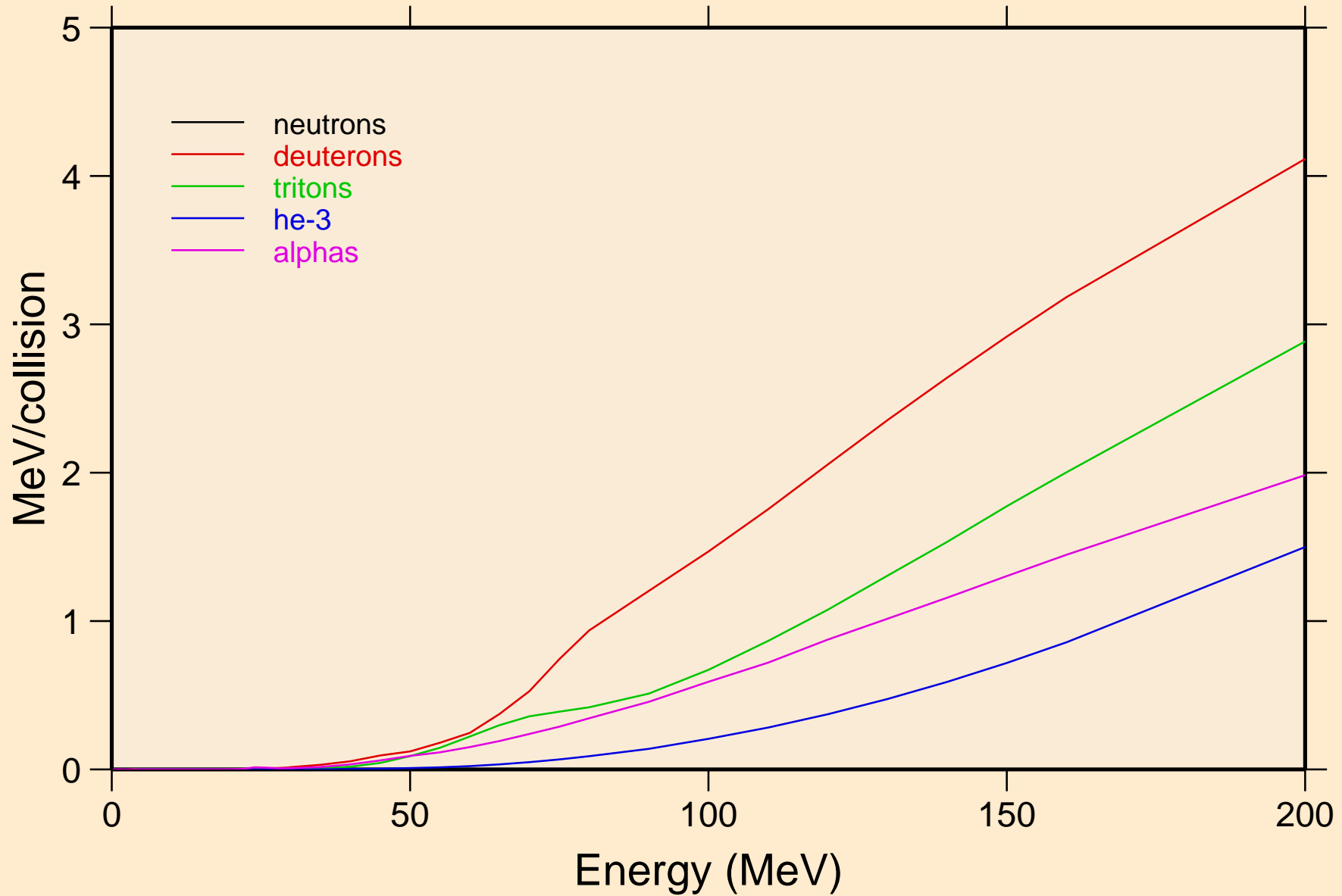
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)

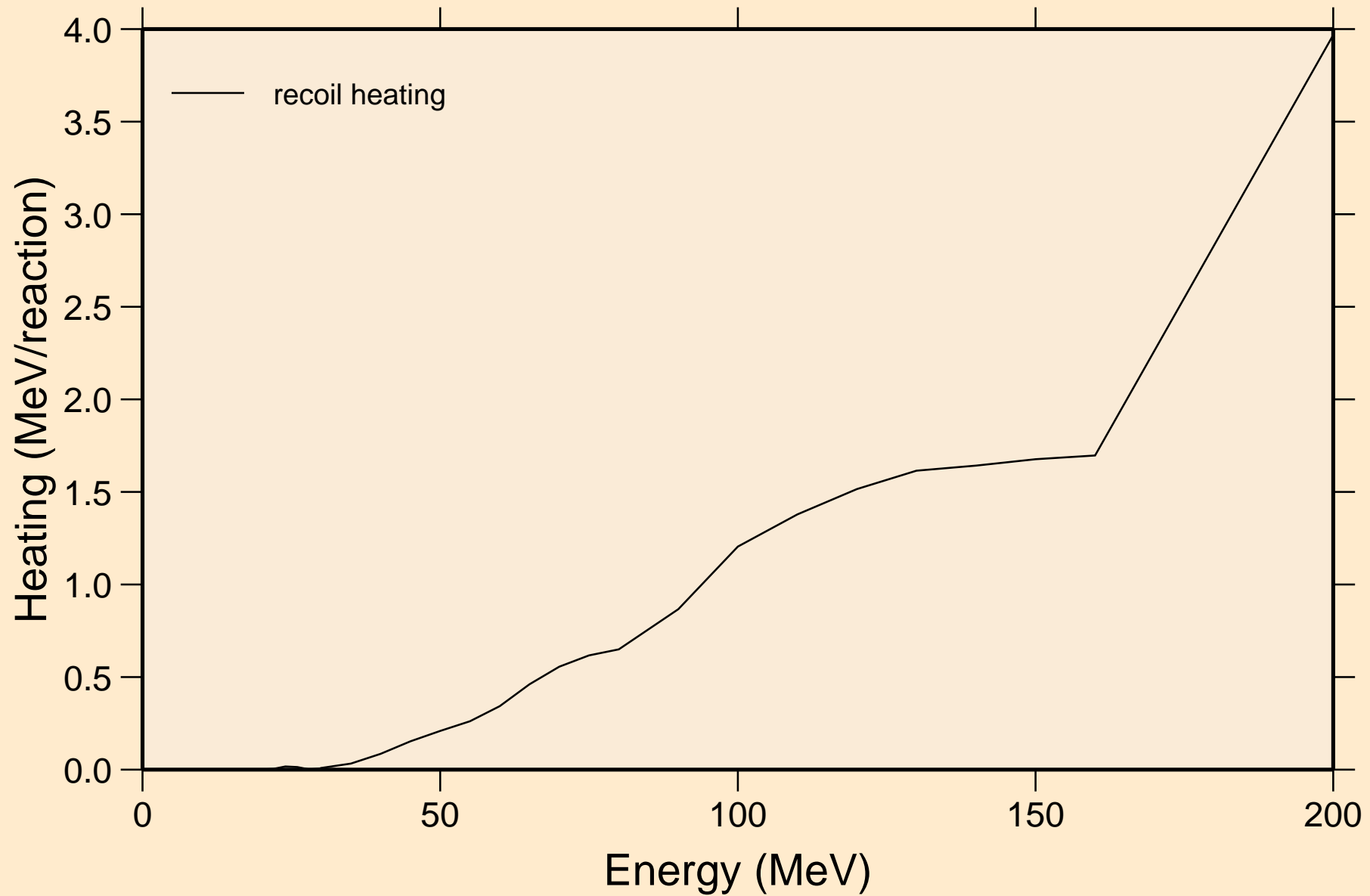


TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions

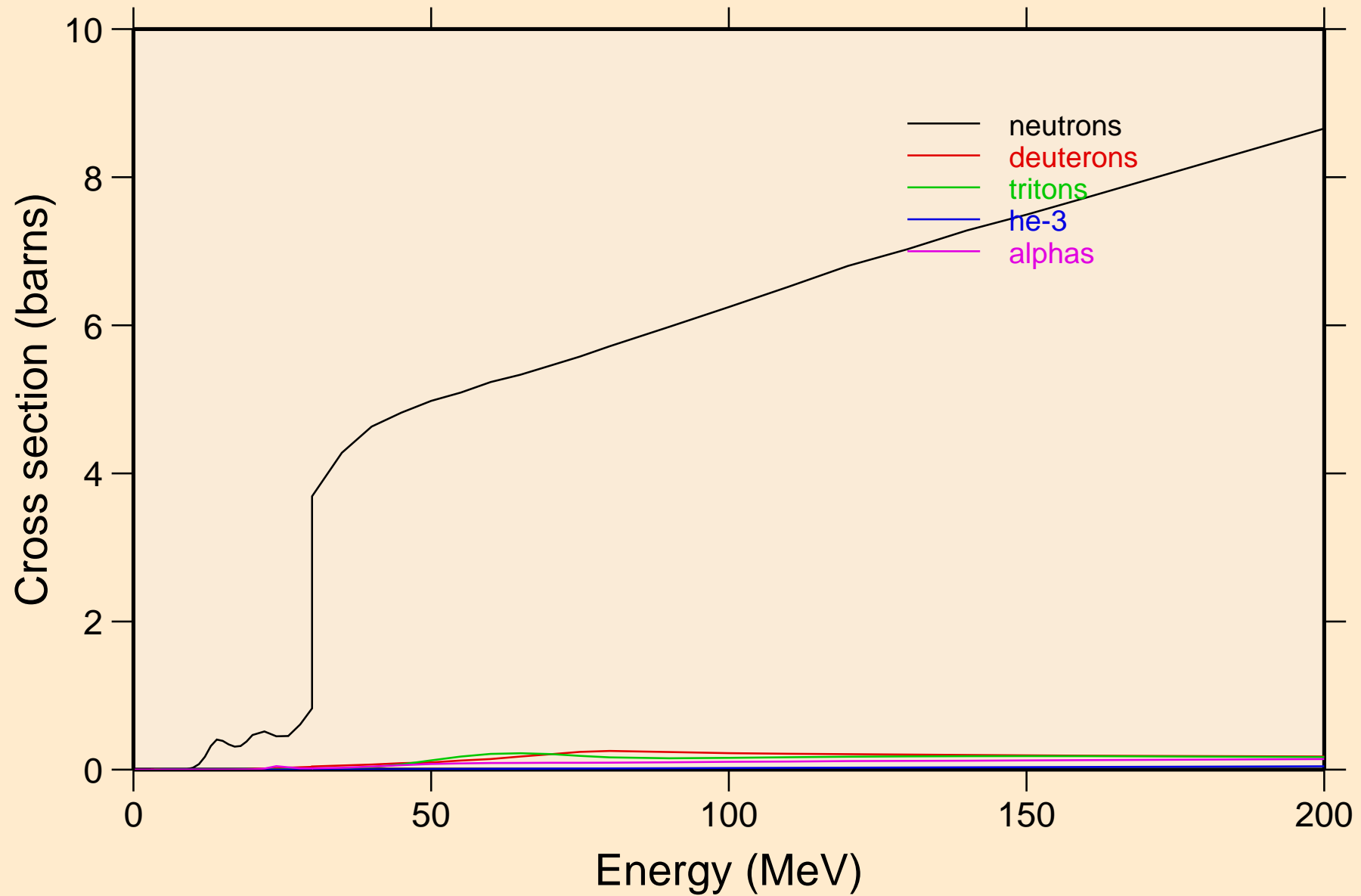




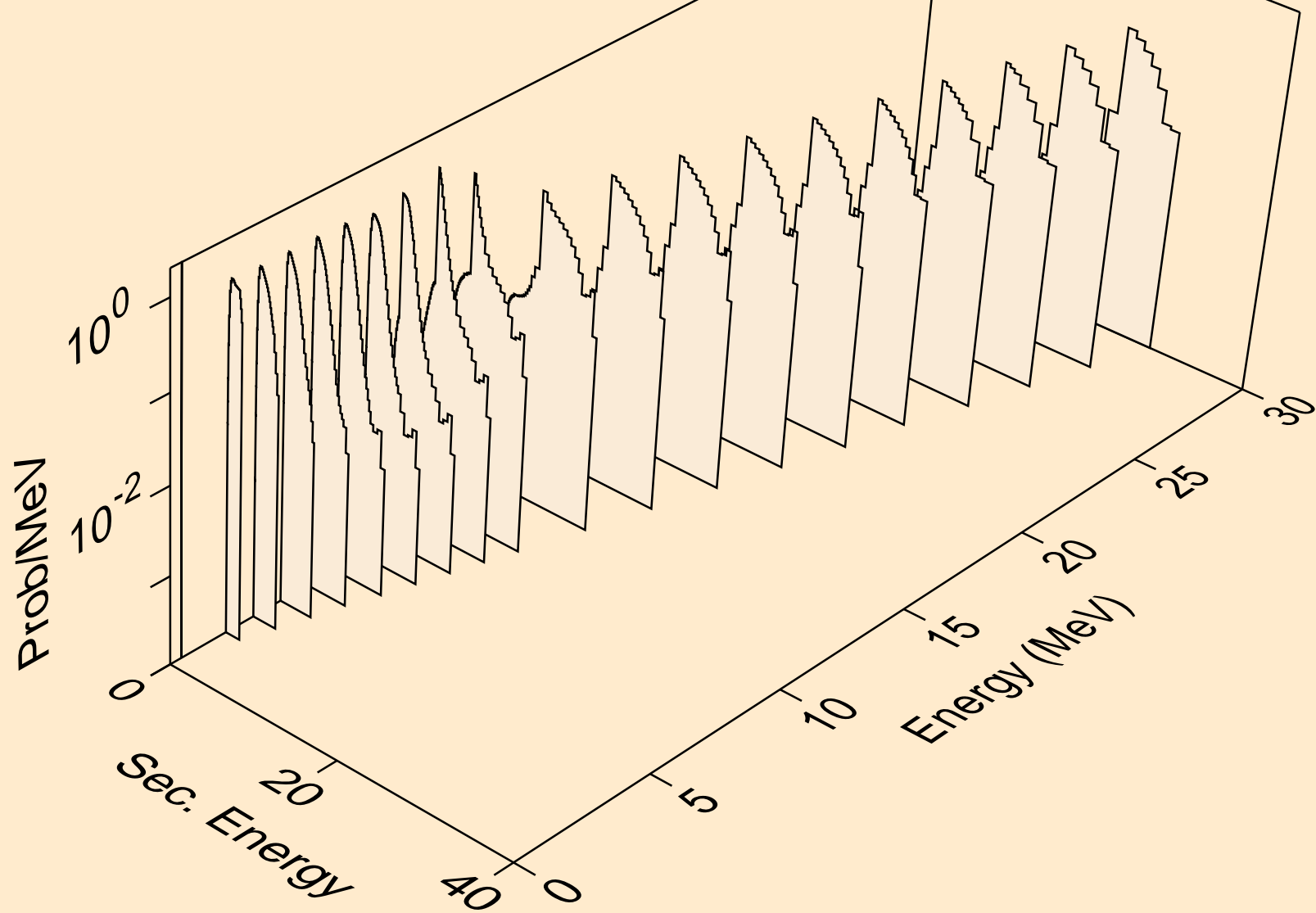
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



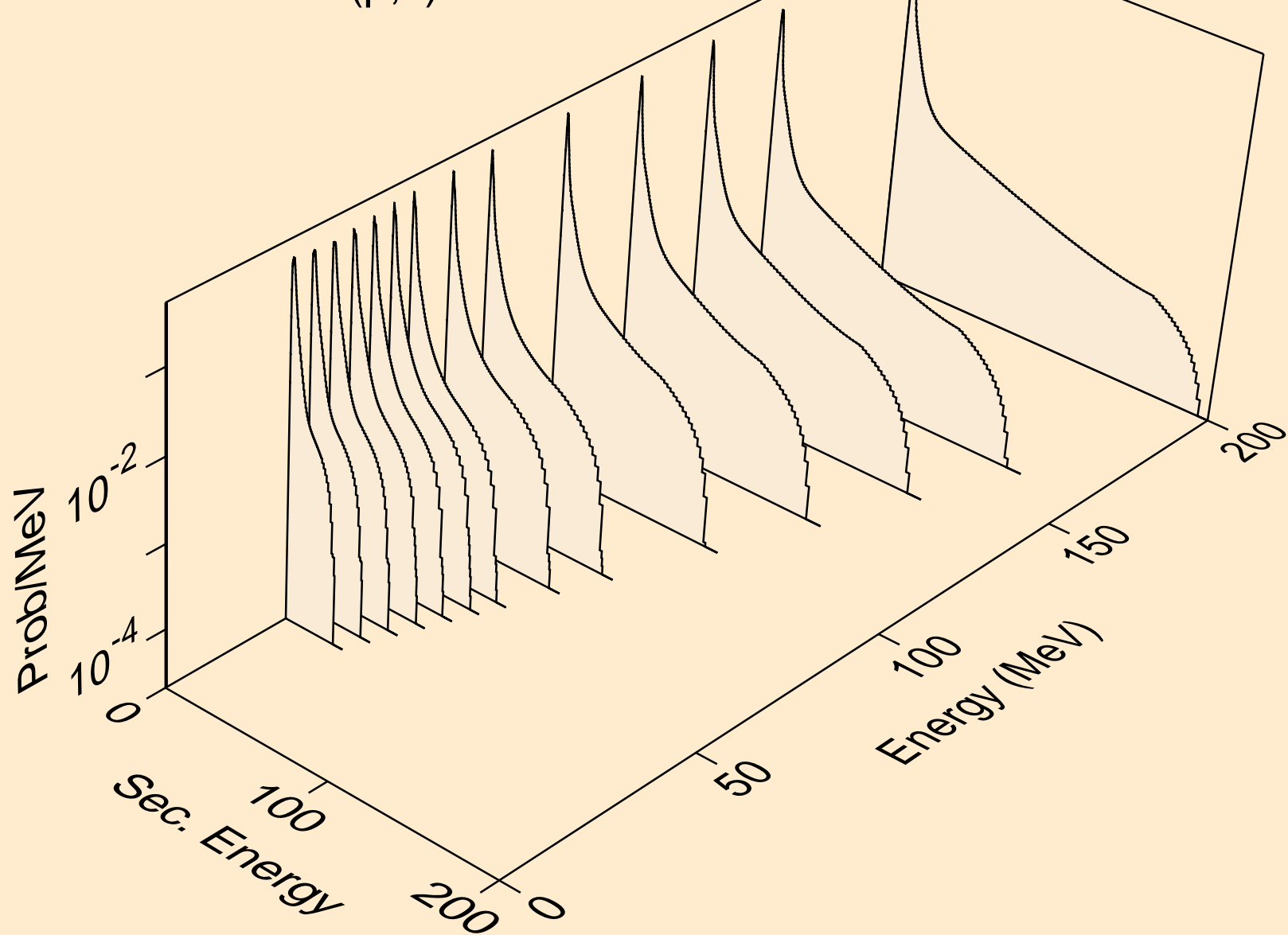
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



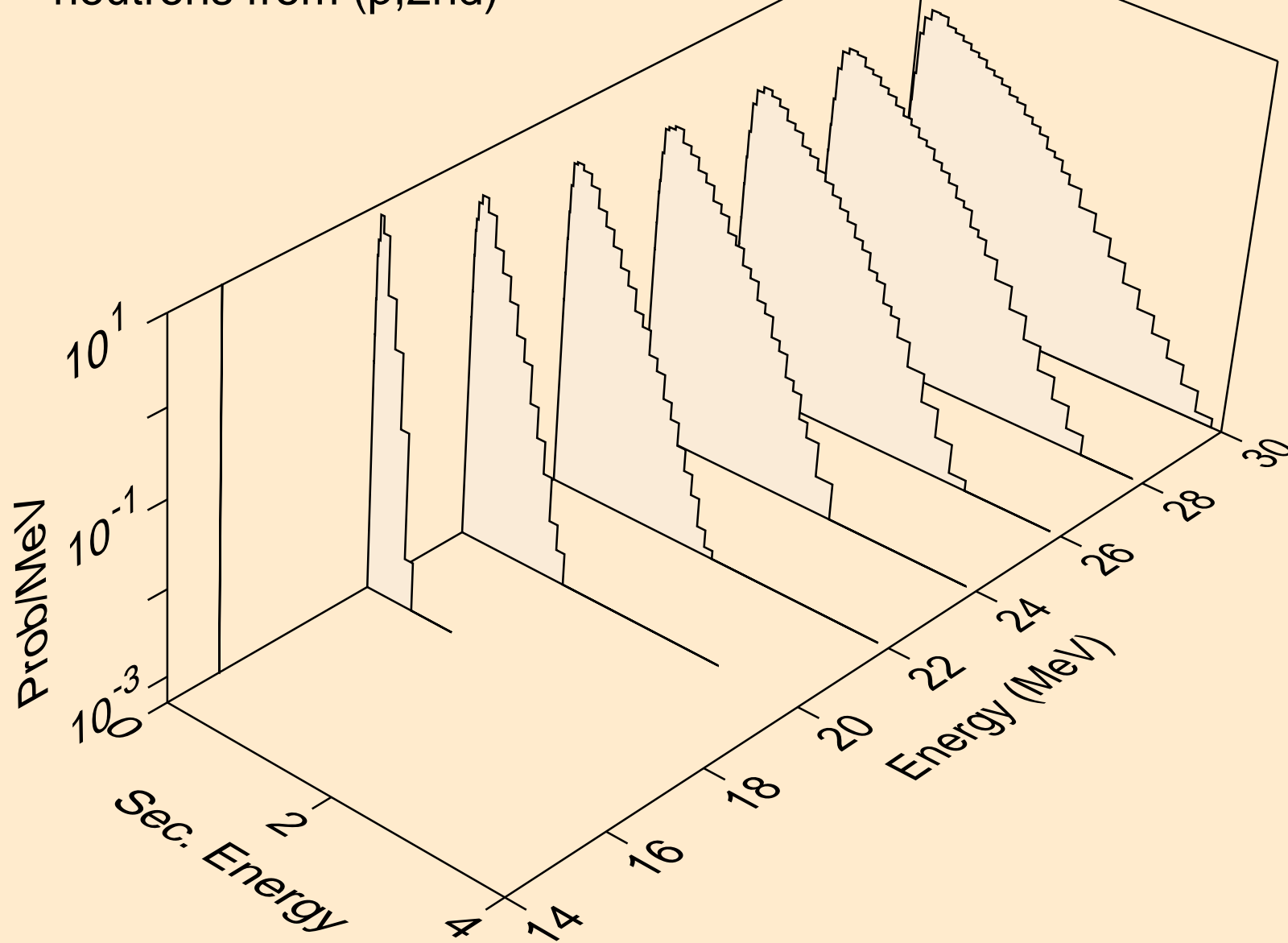
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



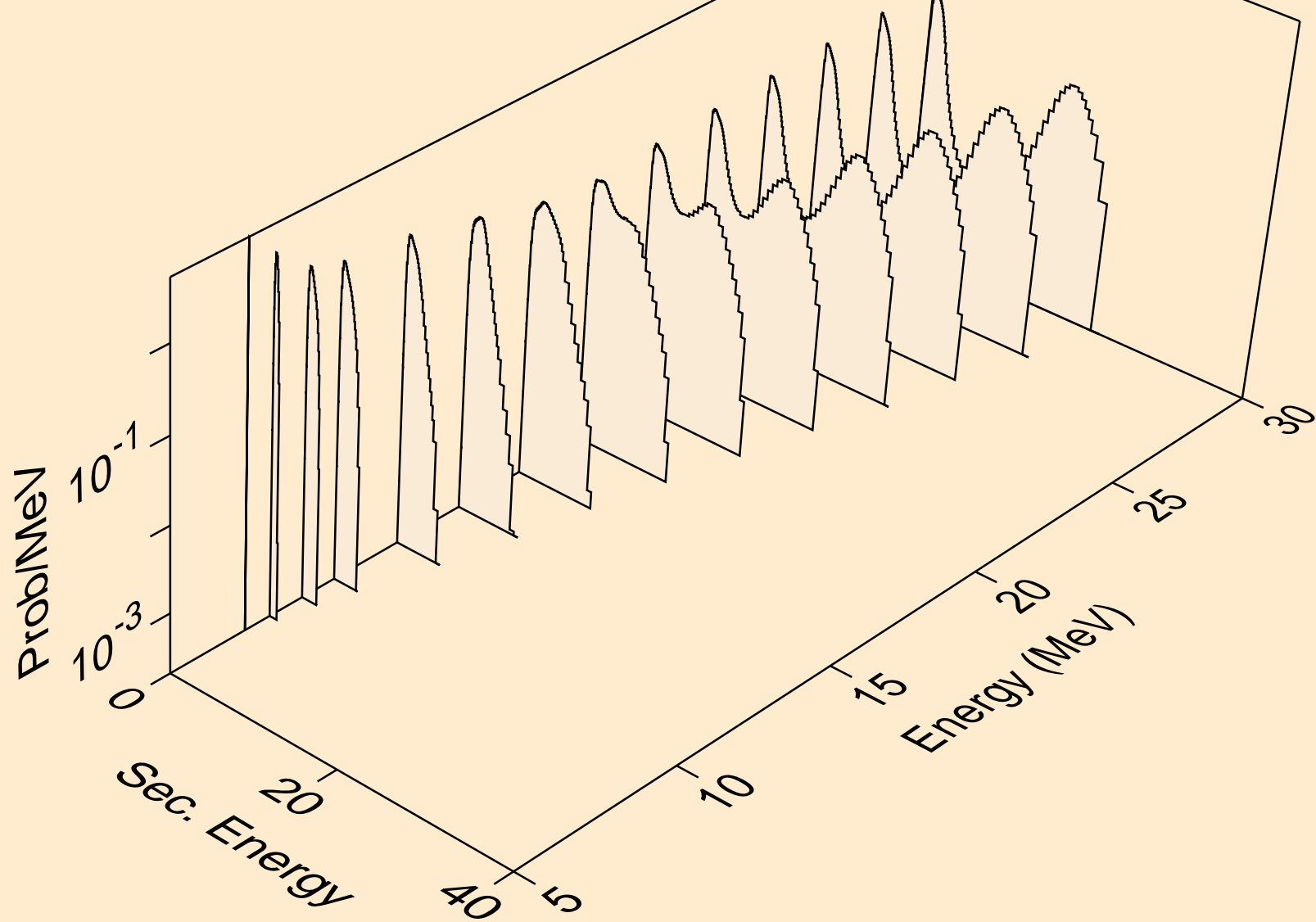
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)



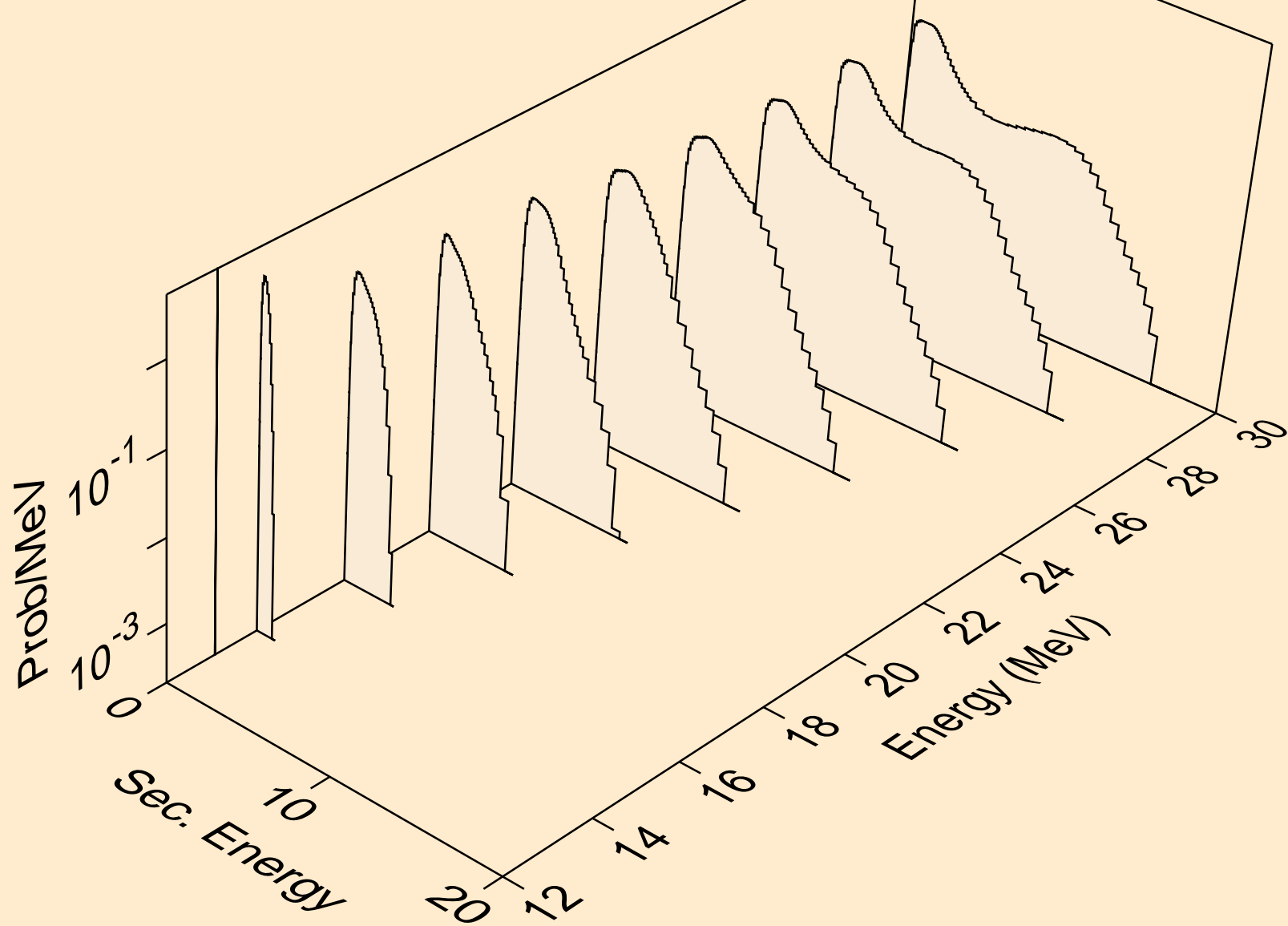
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2nd)



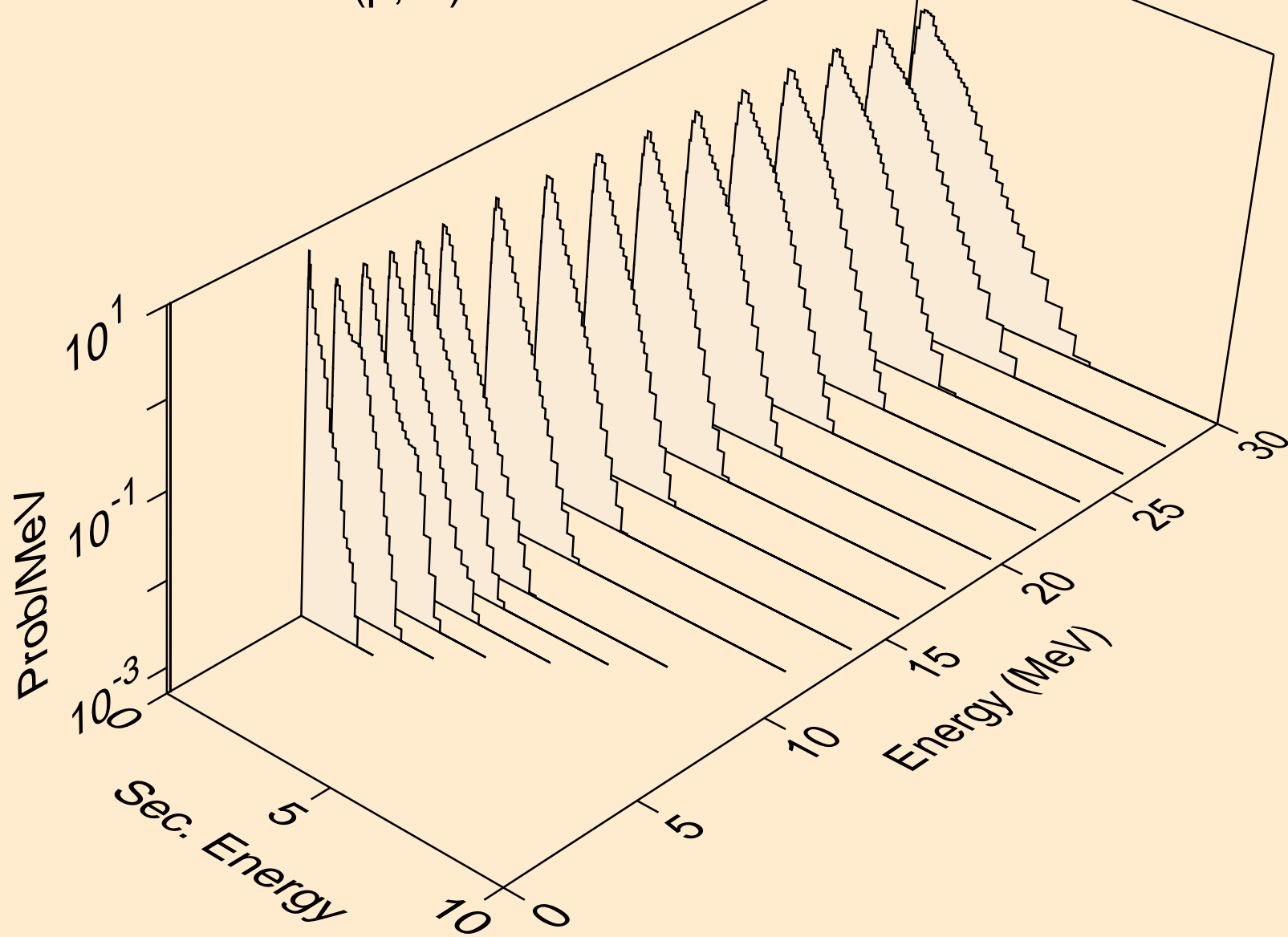
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)



TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3n)

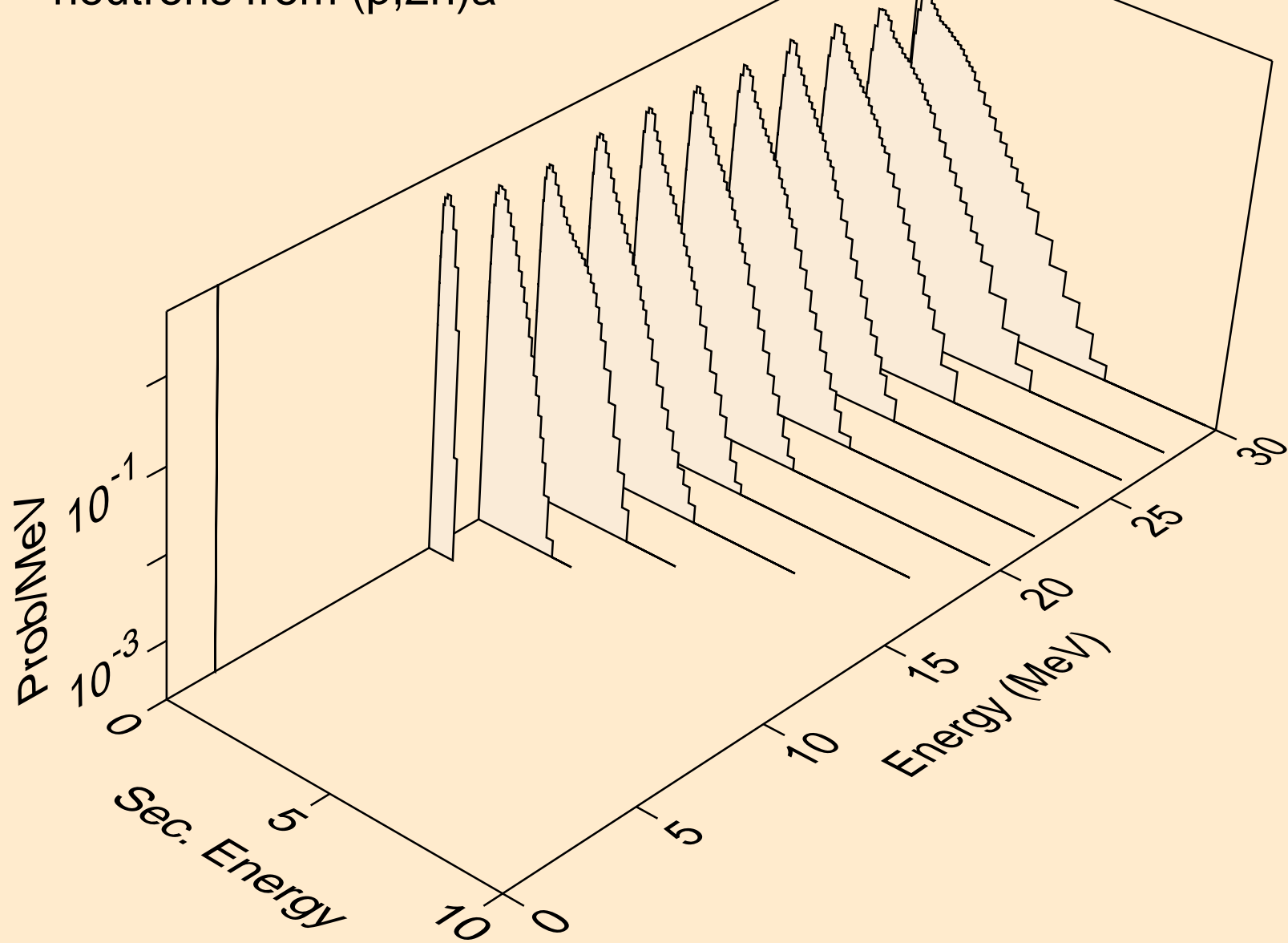


TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a

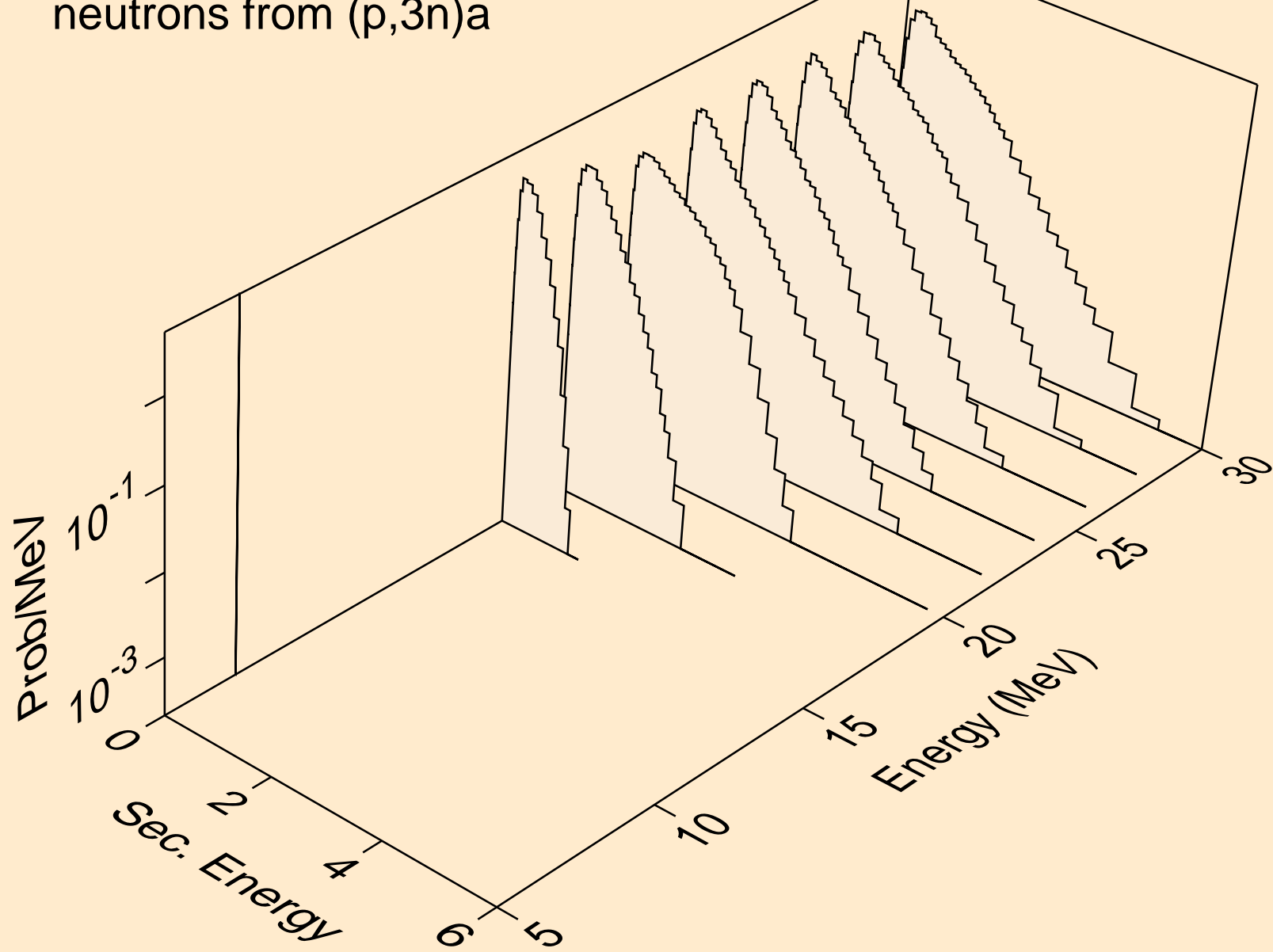




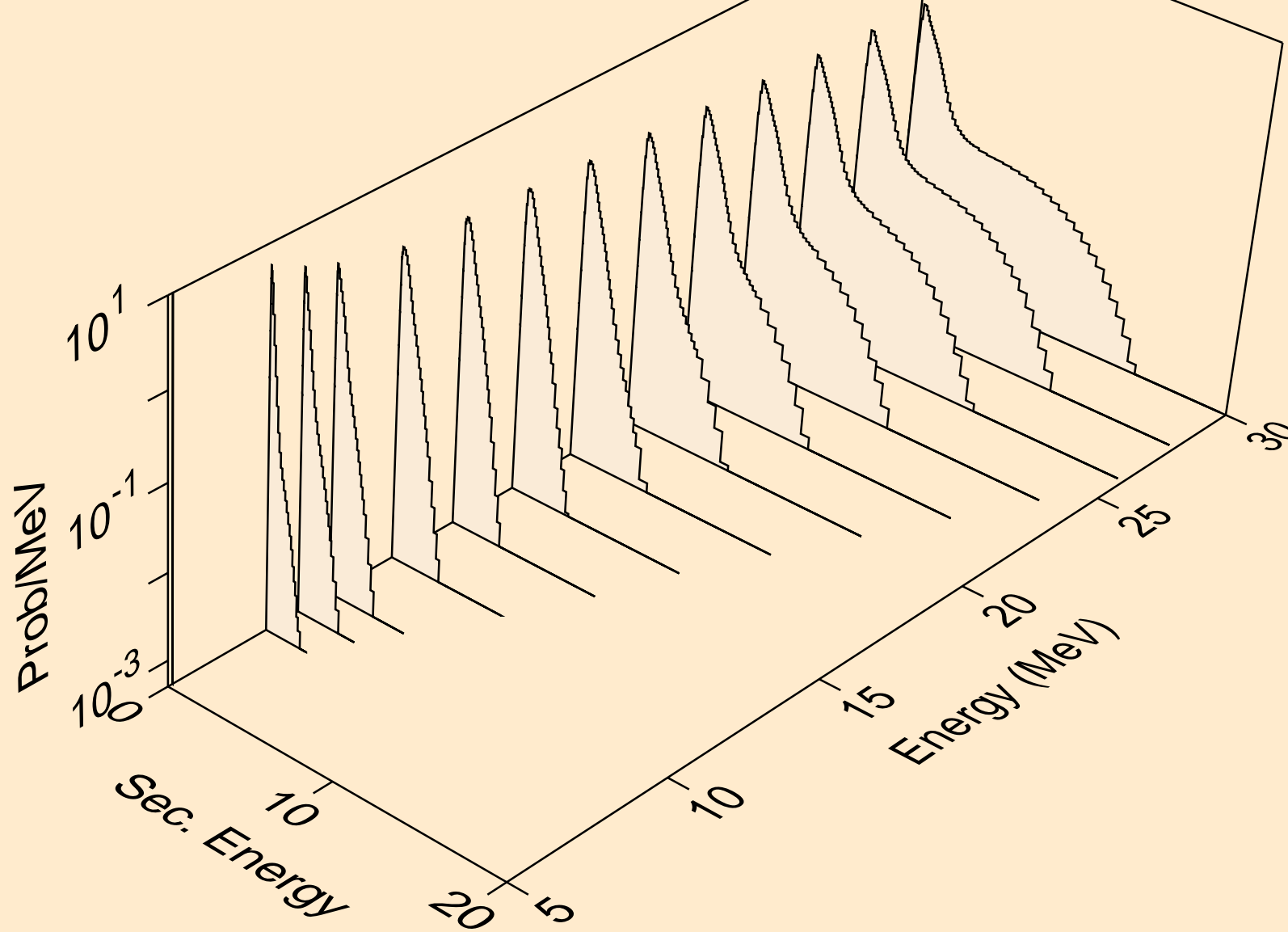
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)a



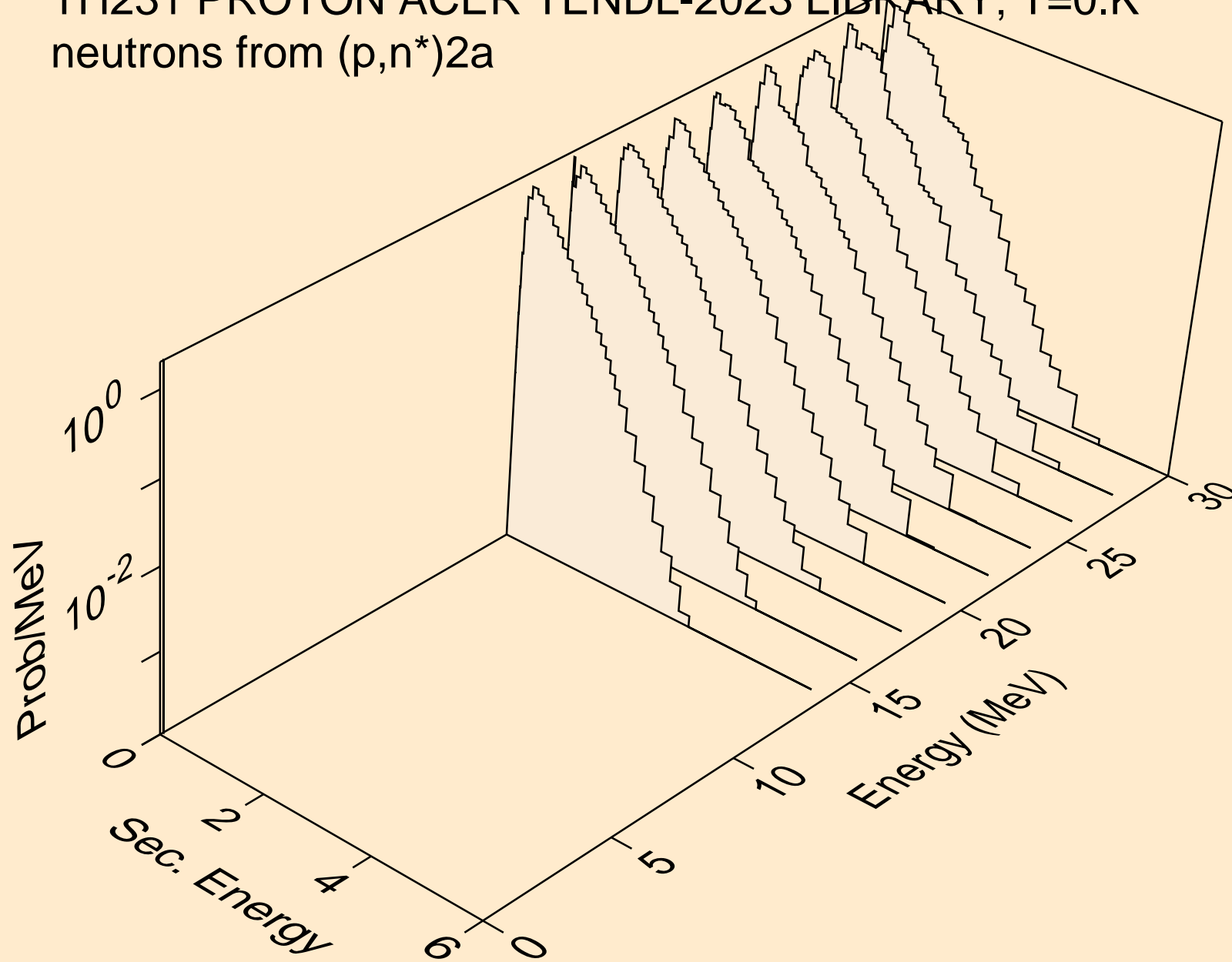
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3n)a



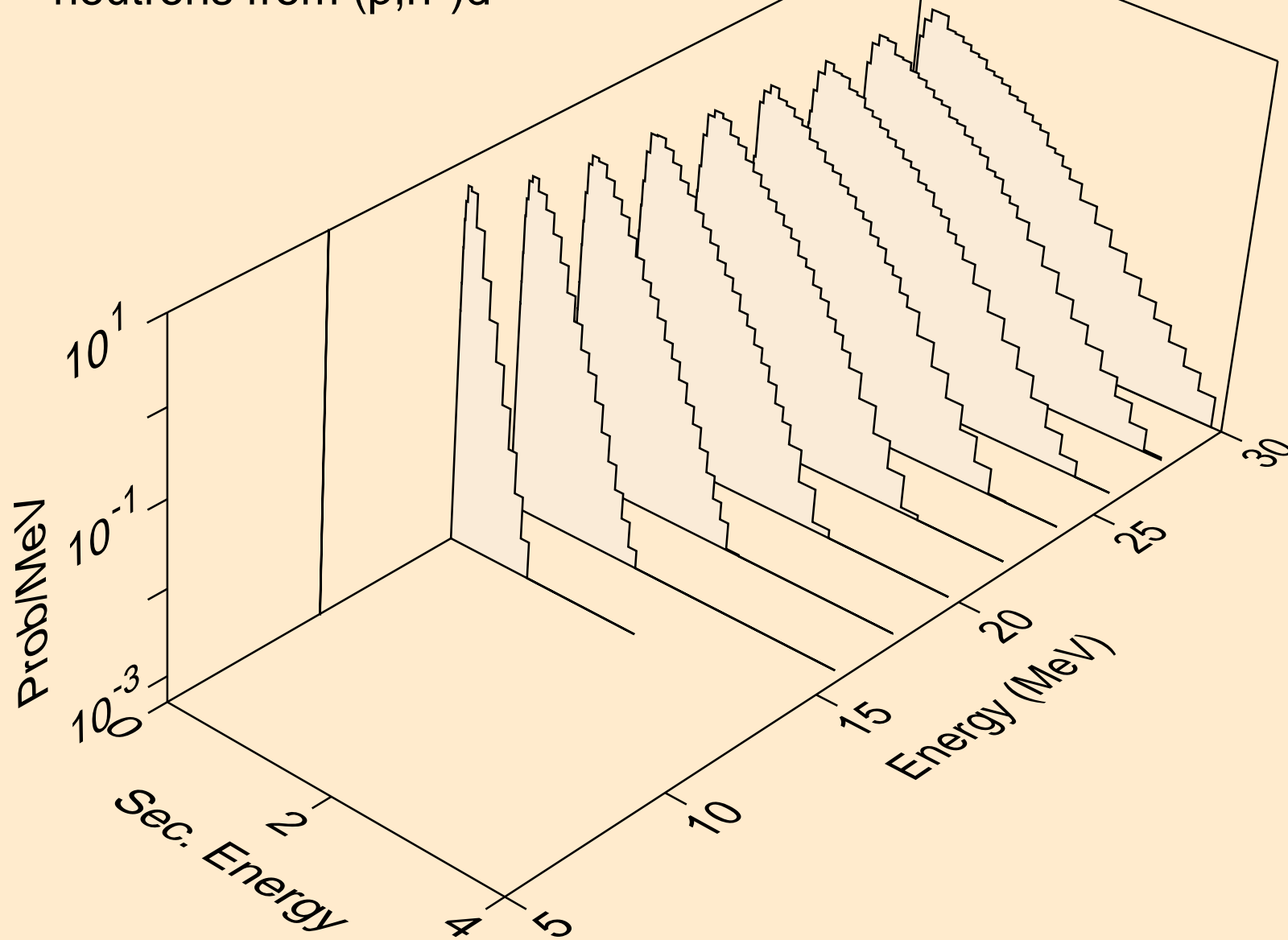
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)p



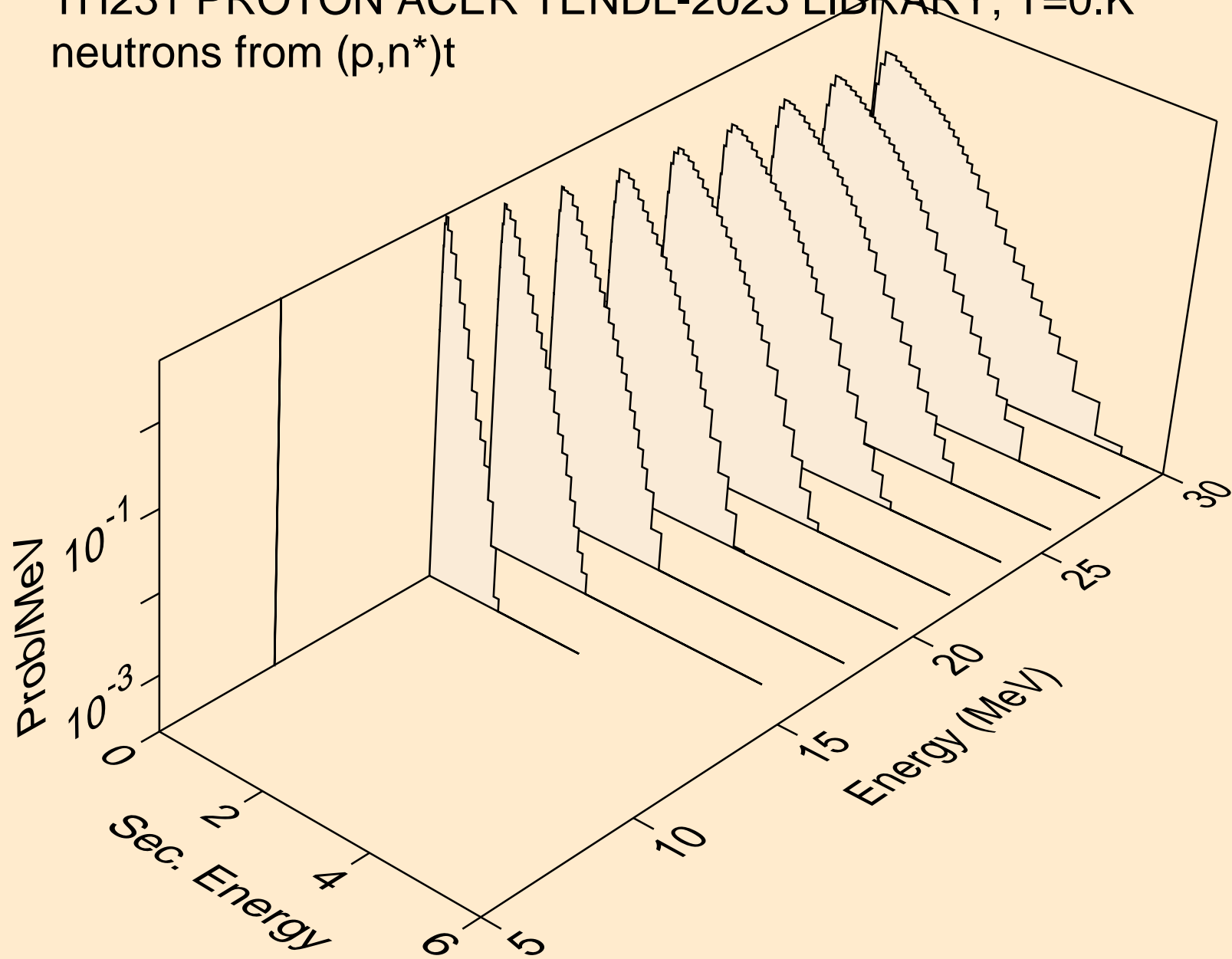
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)2a



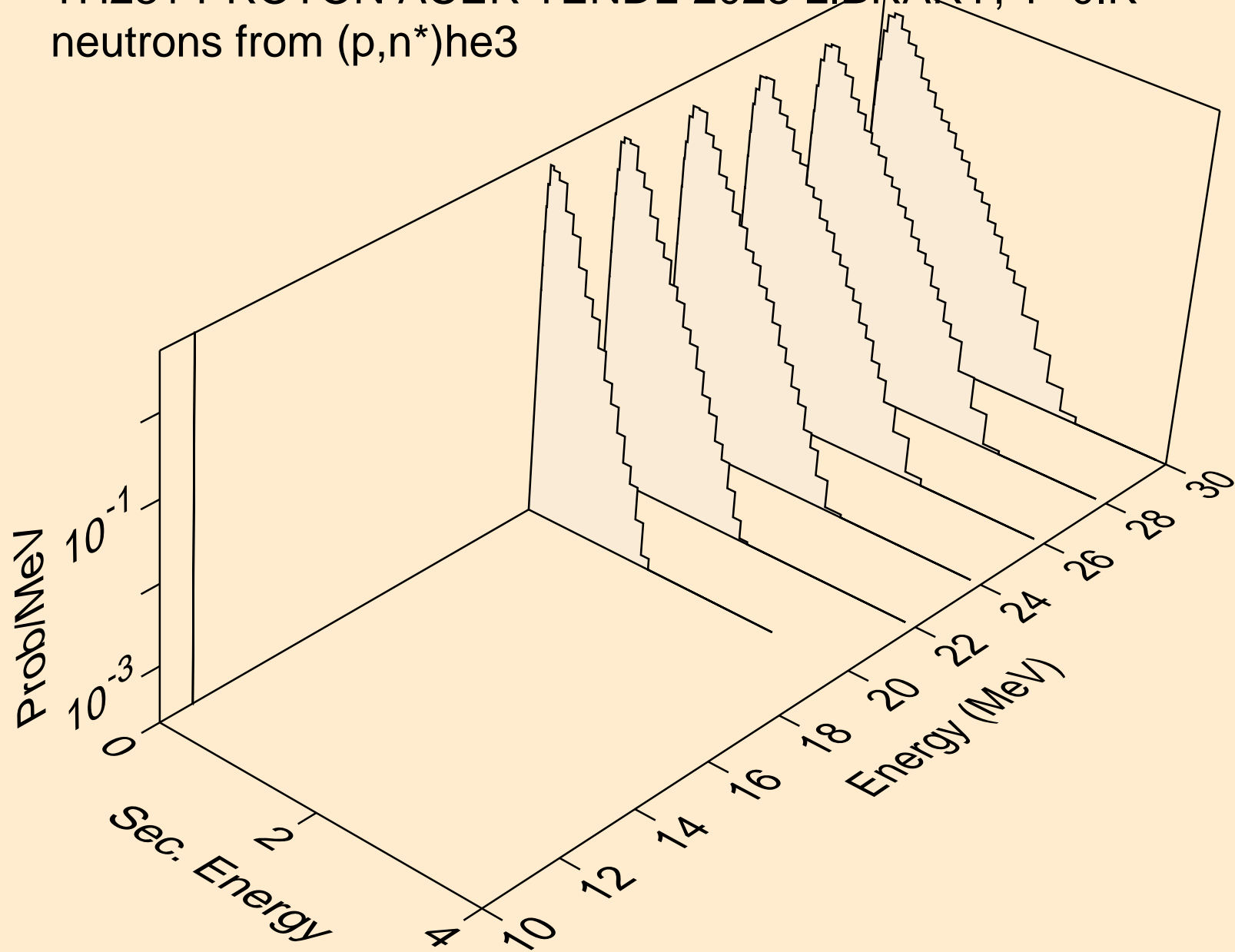
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)d



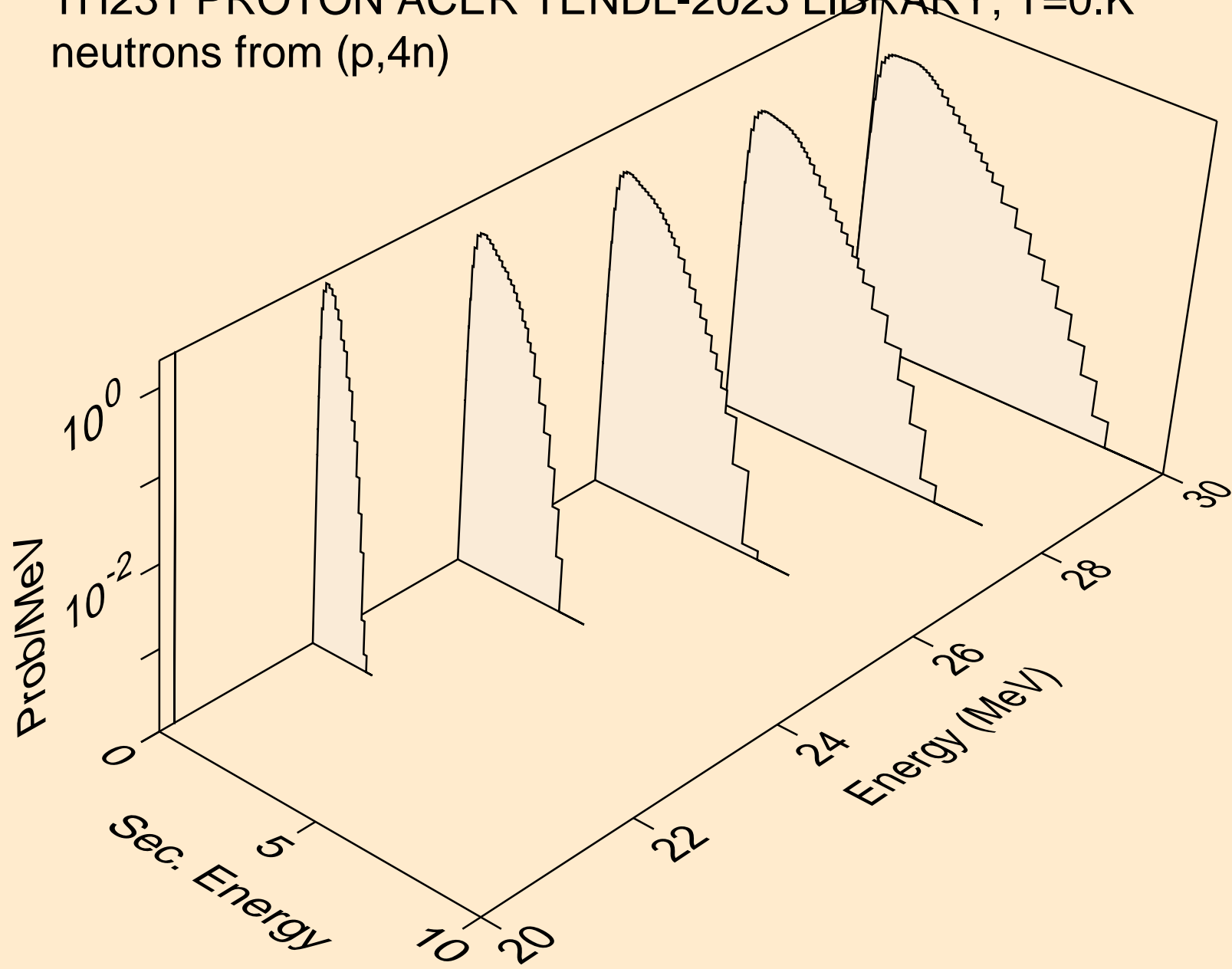
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)t



TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3

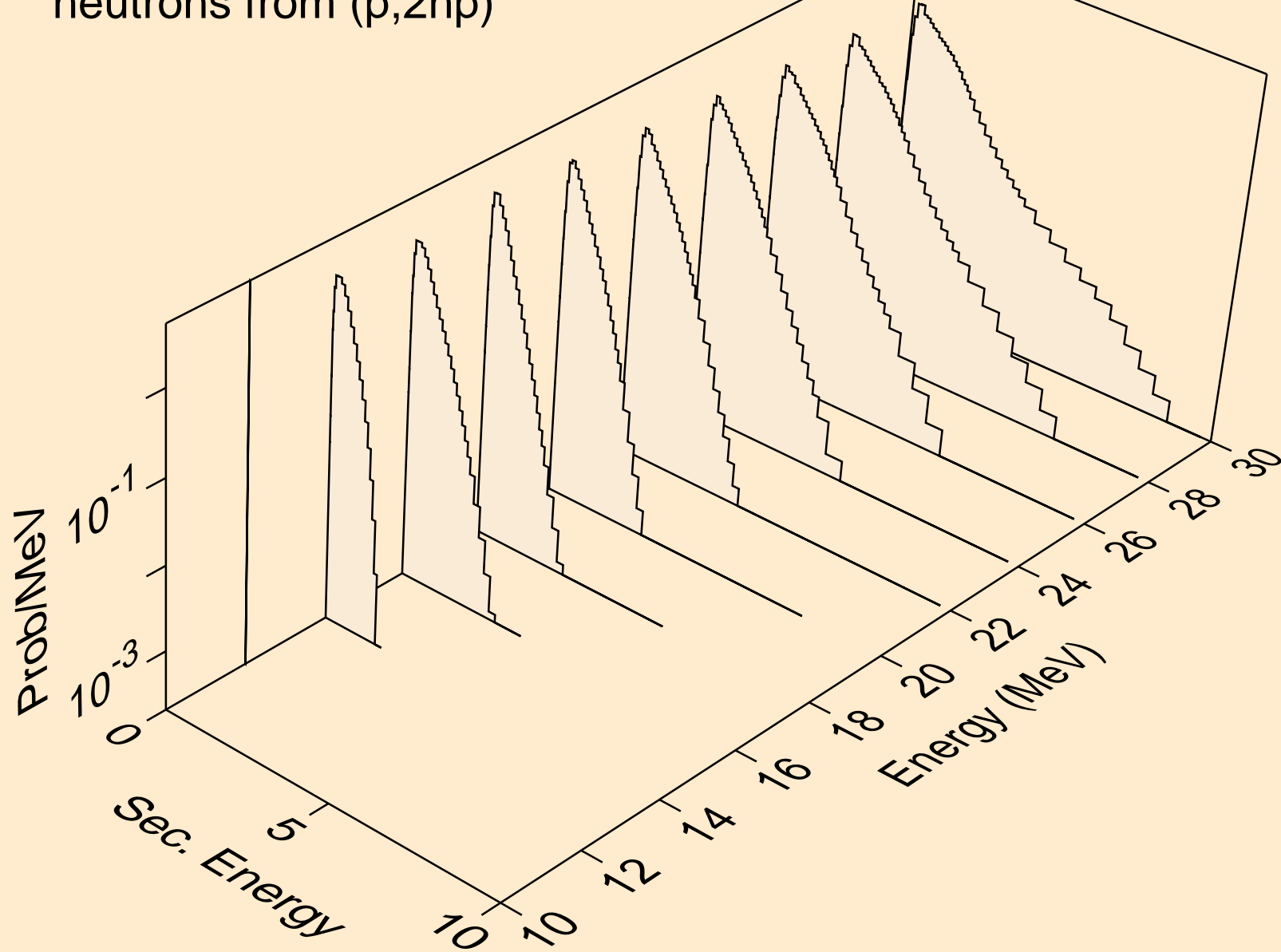


TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,4n)

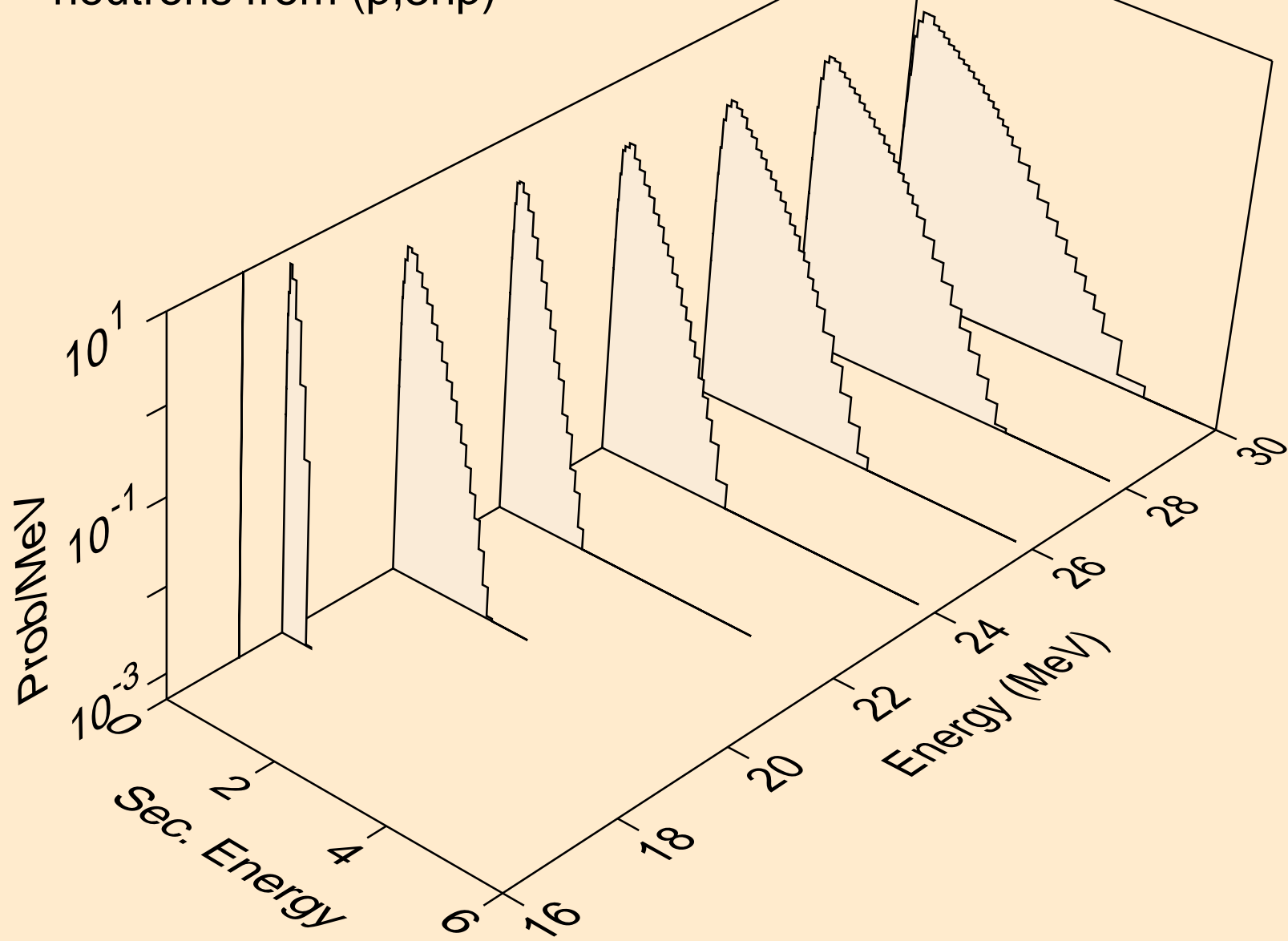




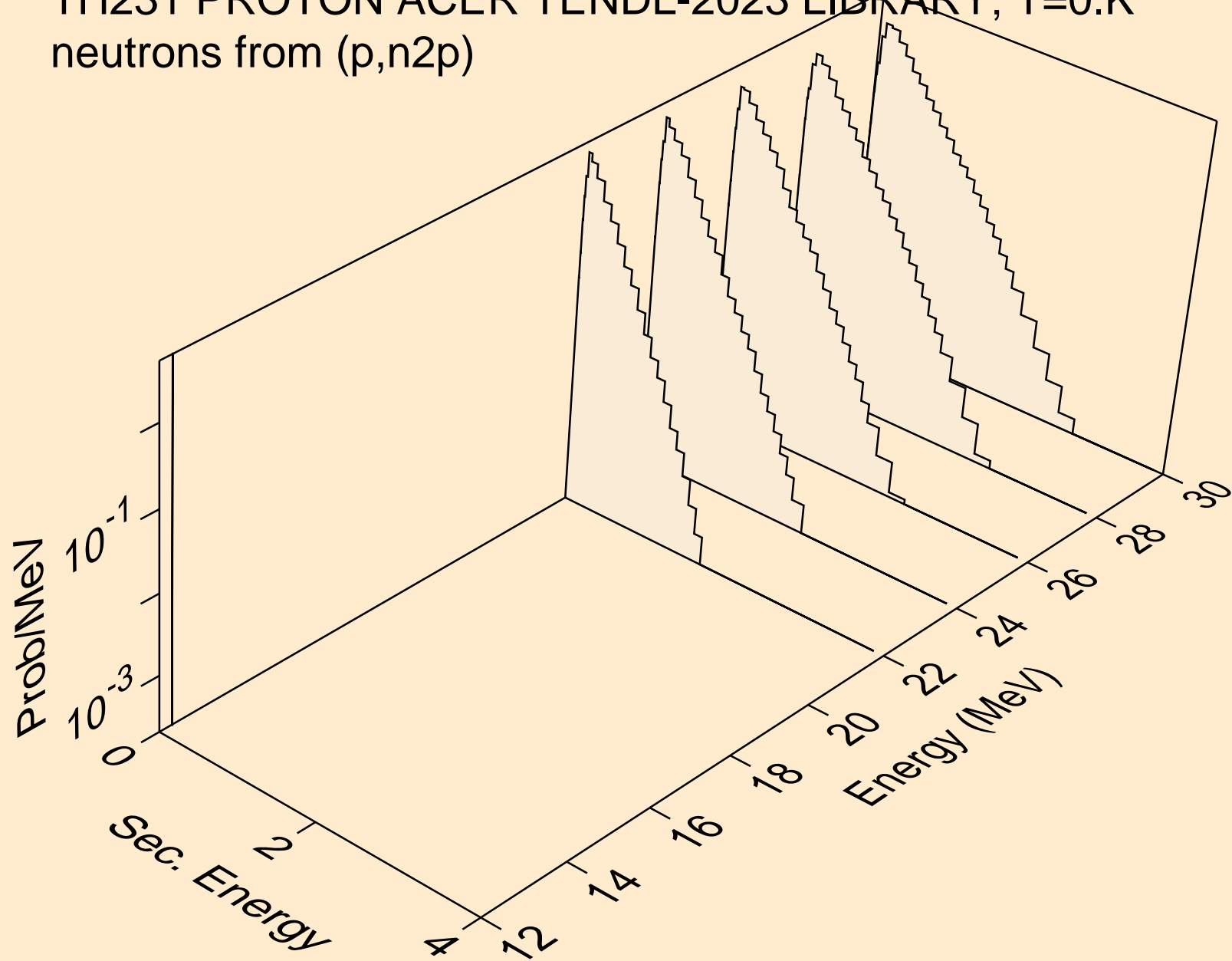
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2np)



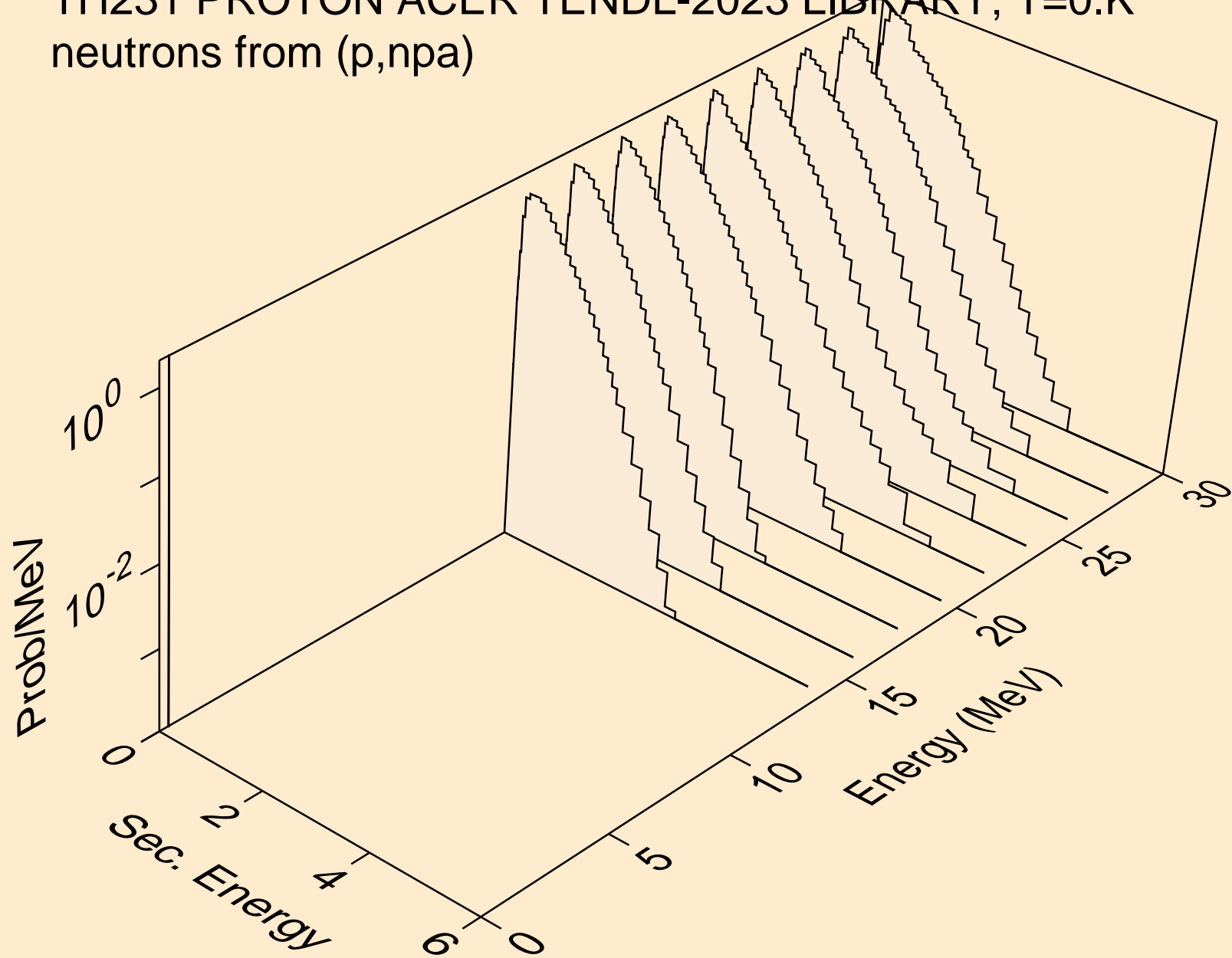
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3np)



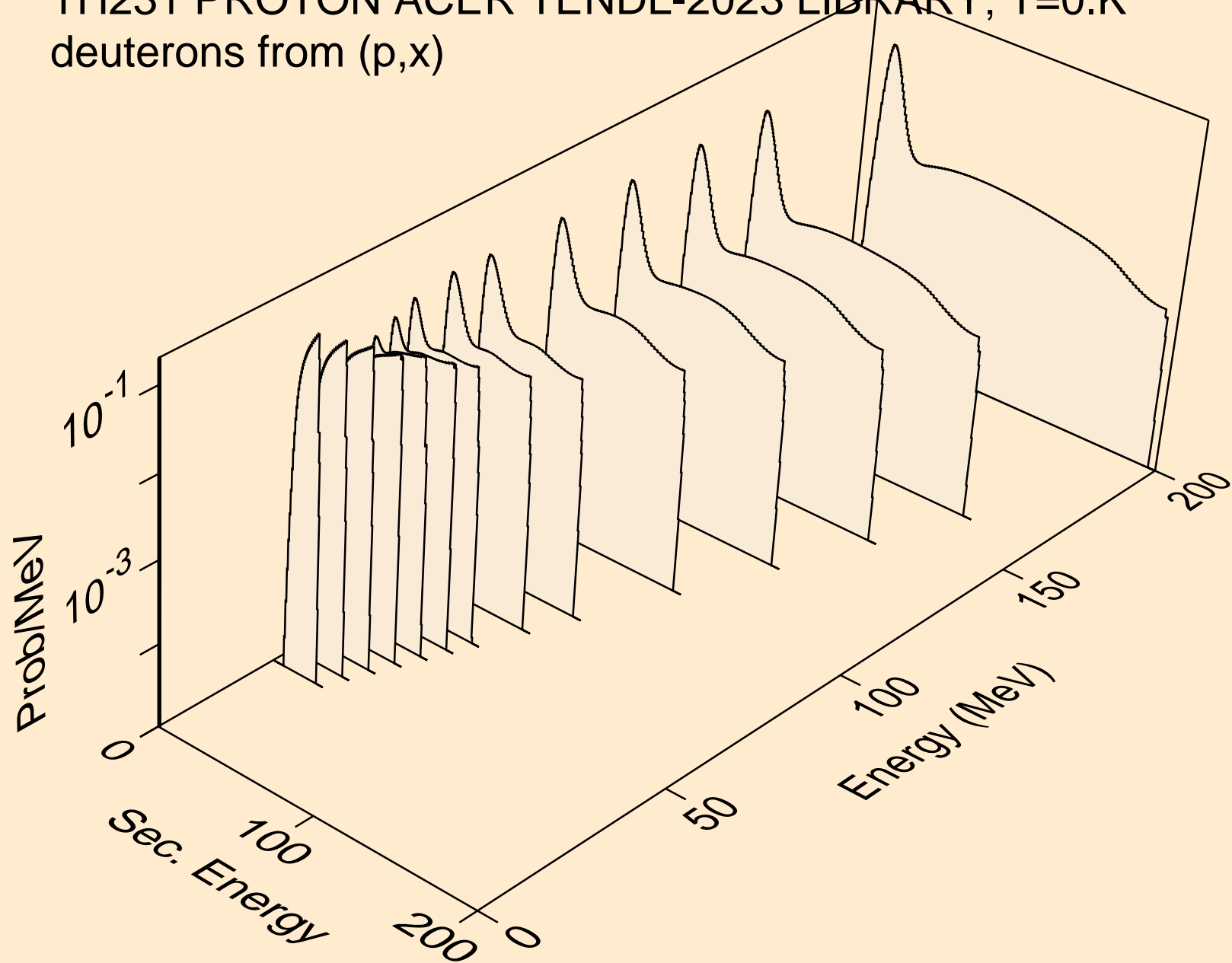
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n2p)



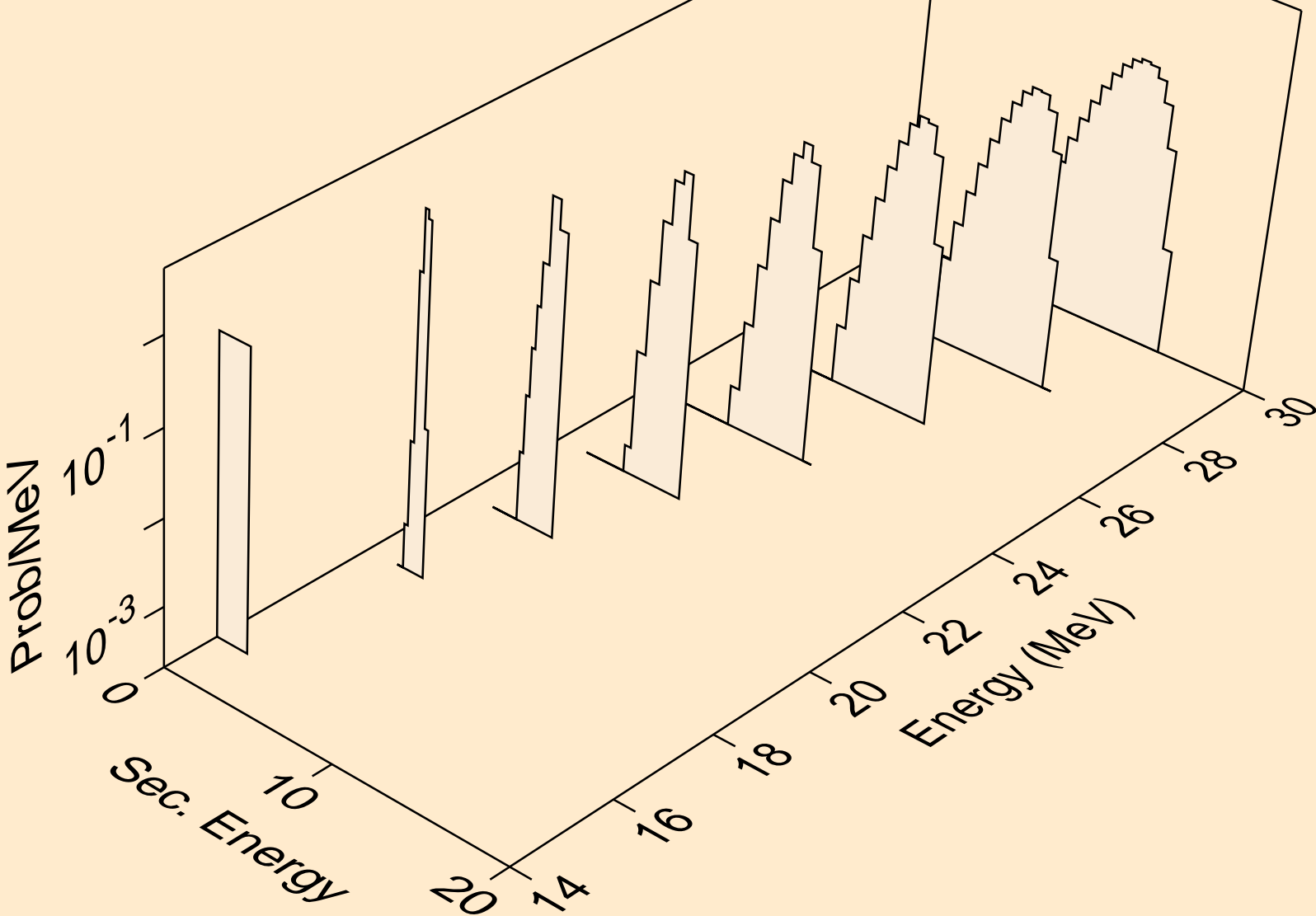
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,npa)



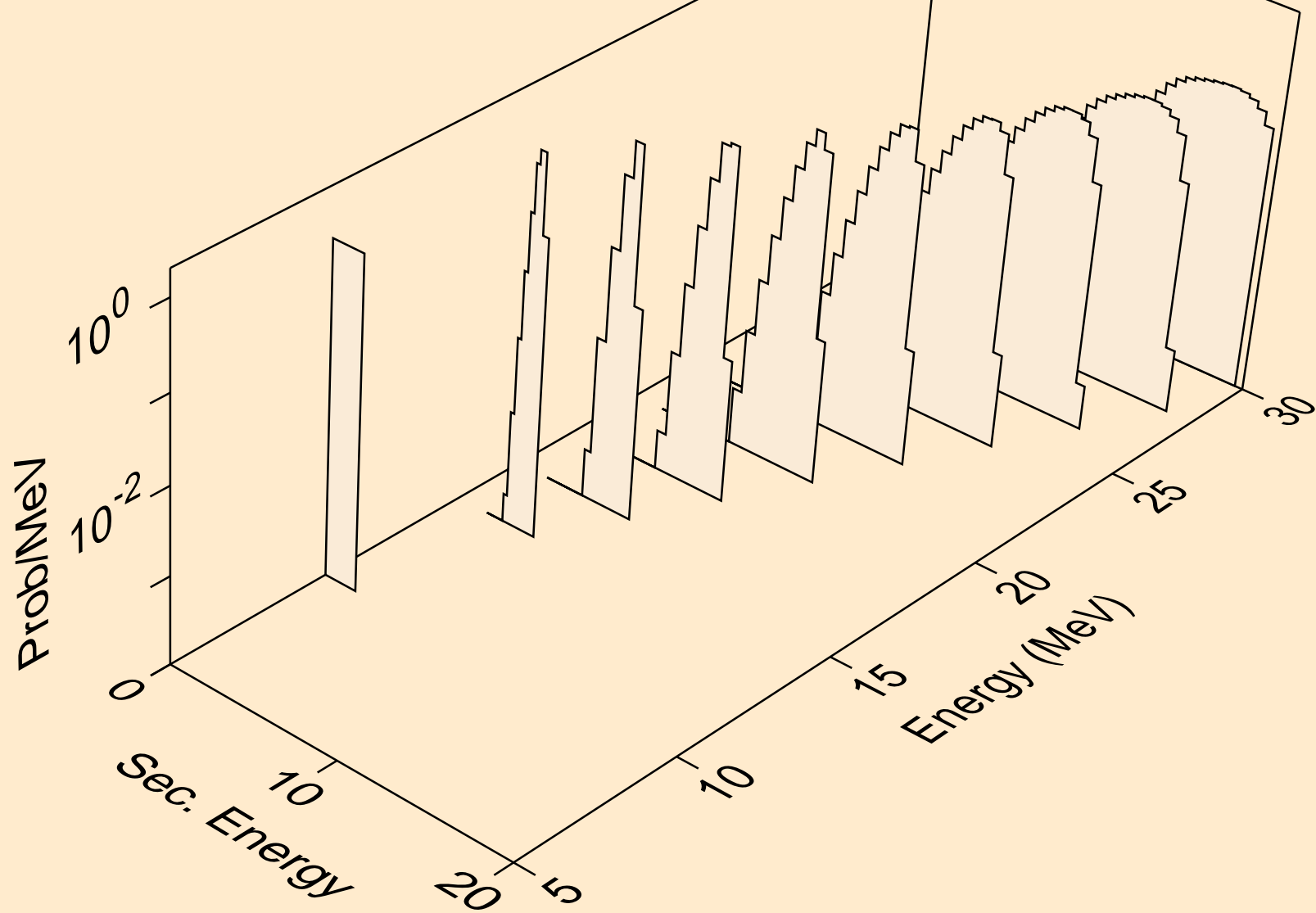
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,x)



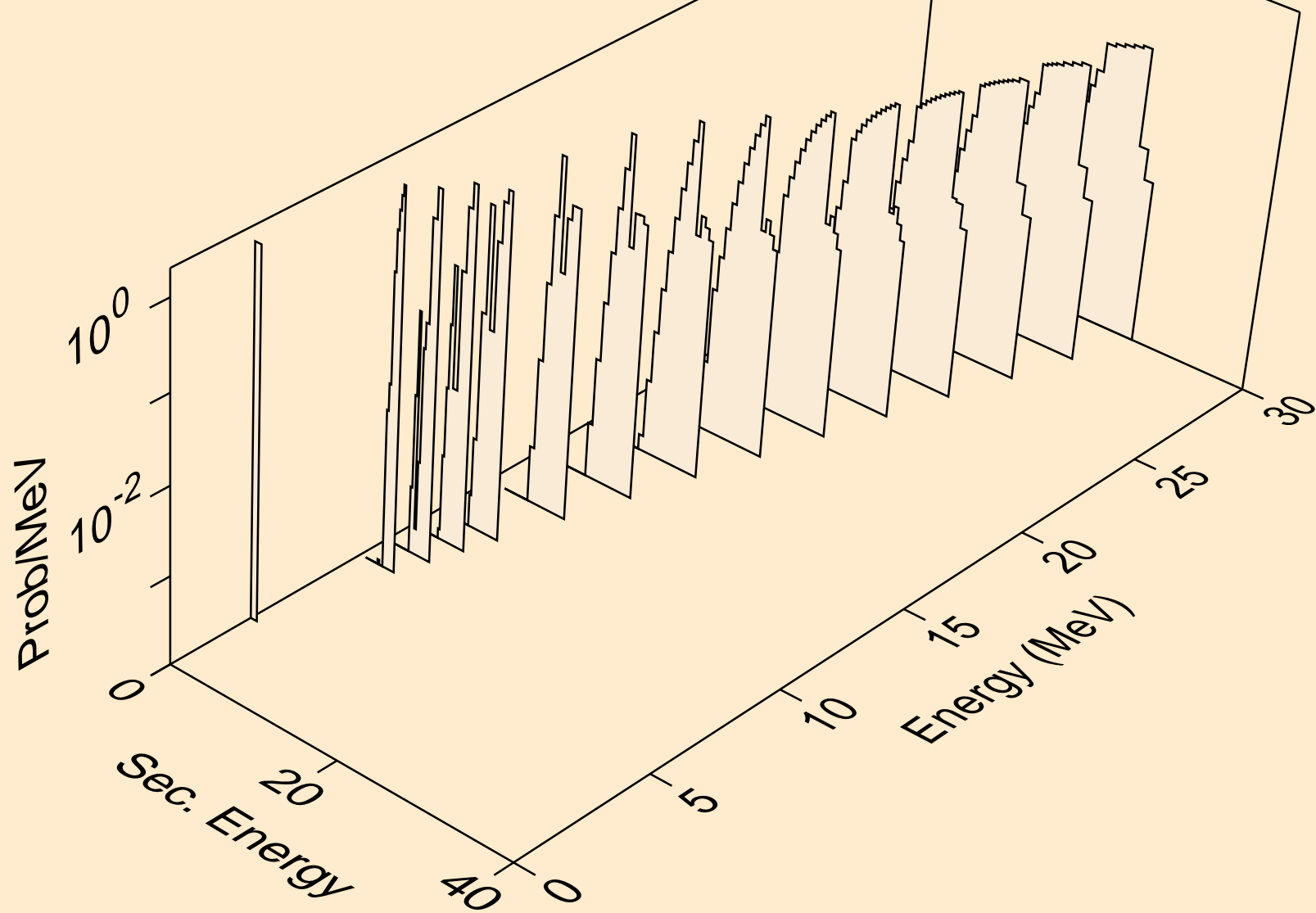
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,2nd)



TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,n\*)d

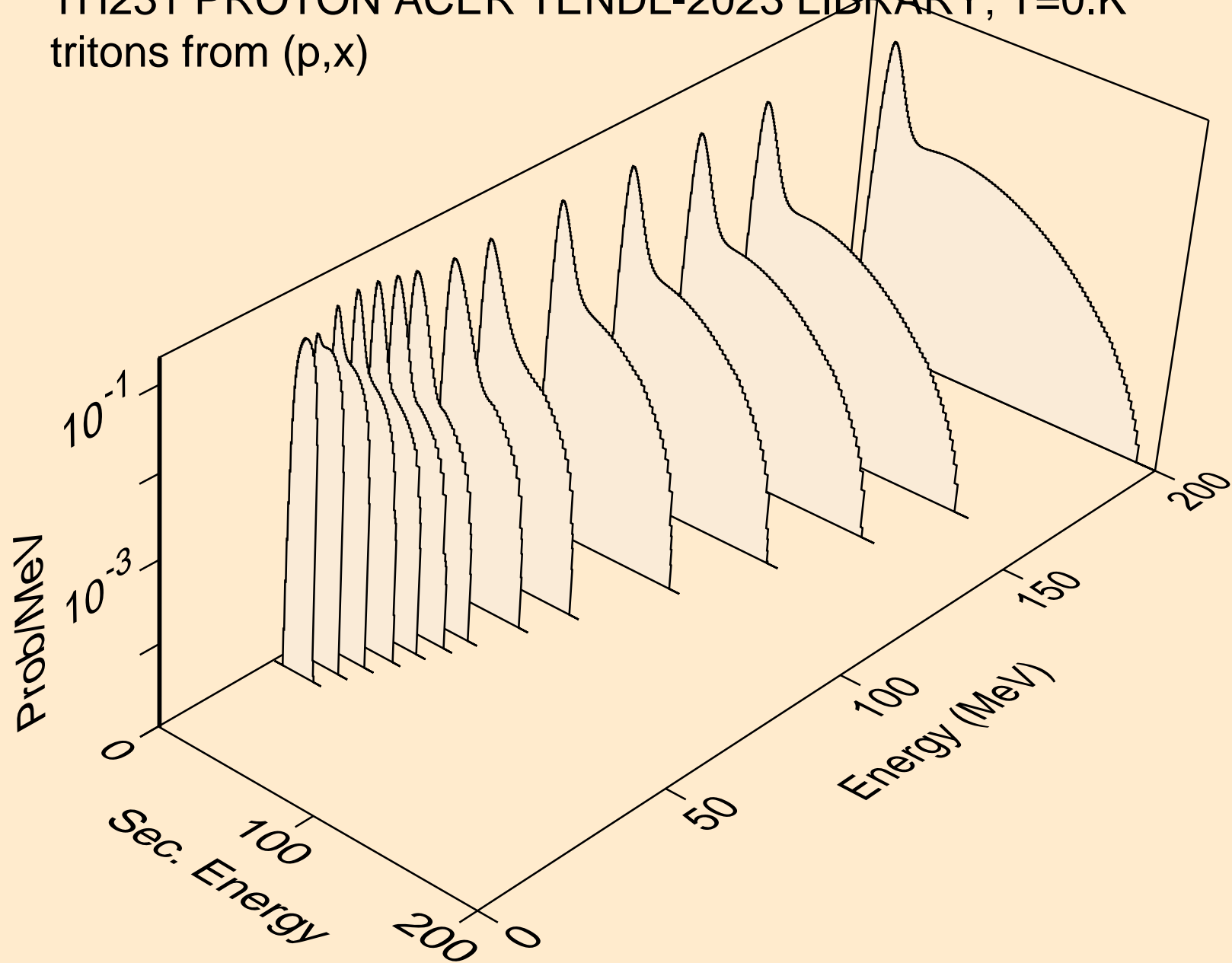


TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,d)

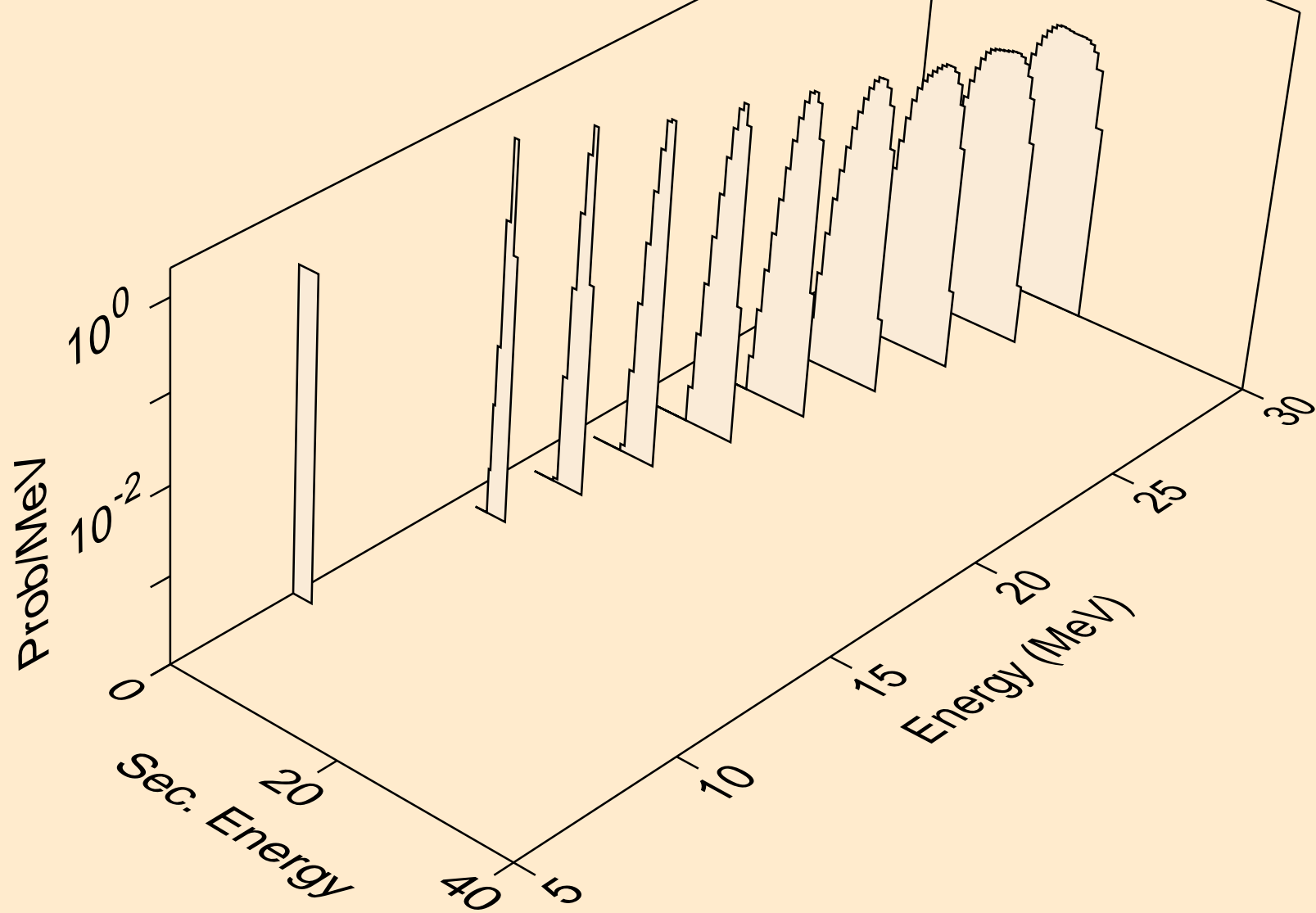




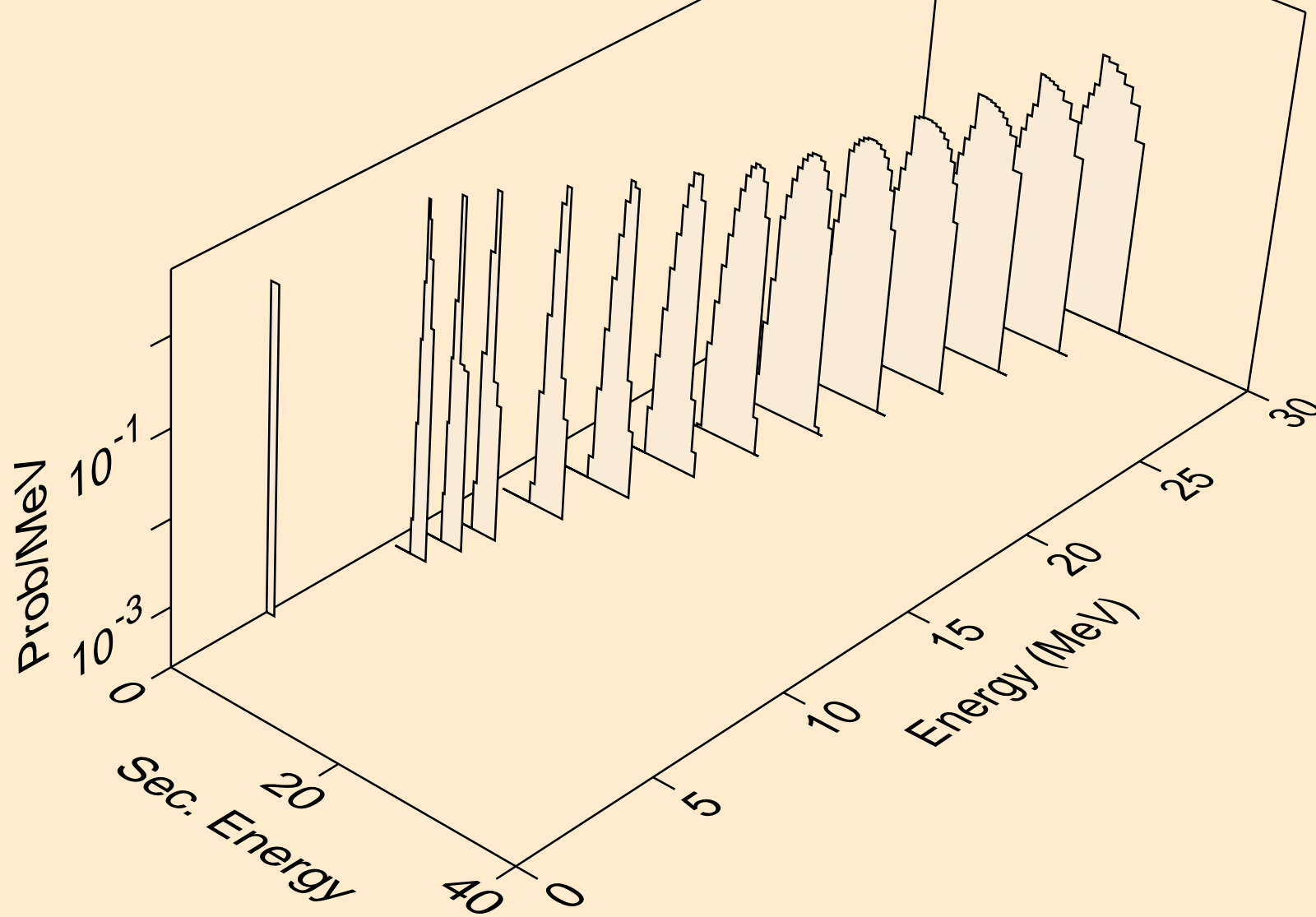
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)



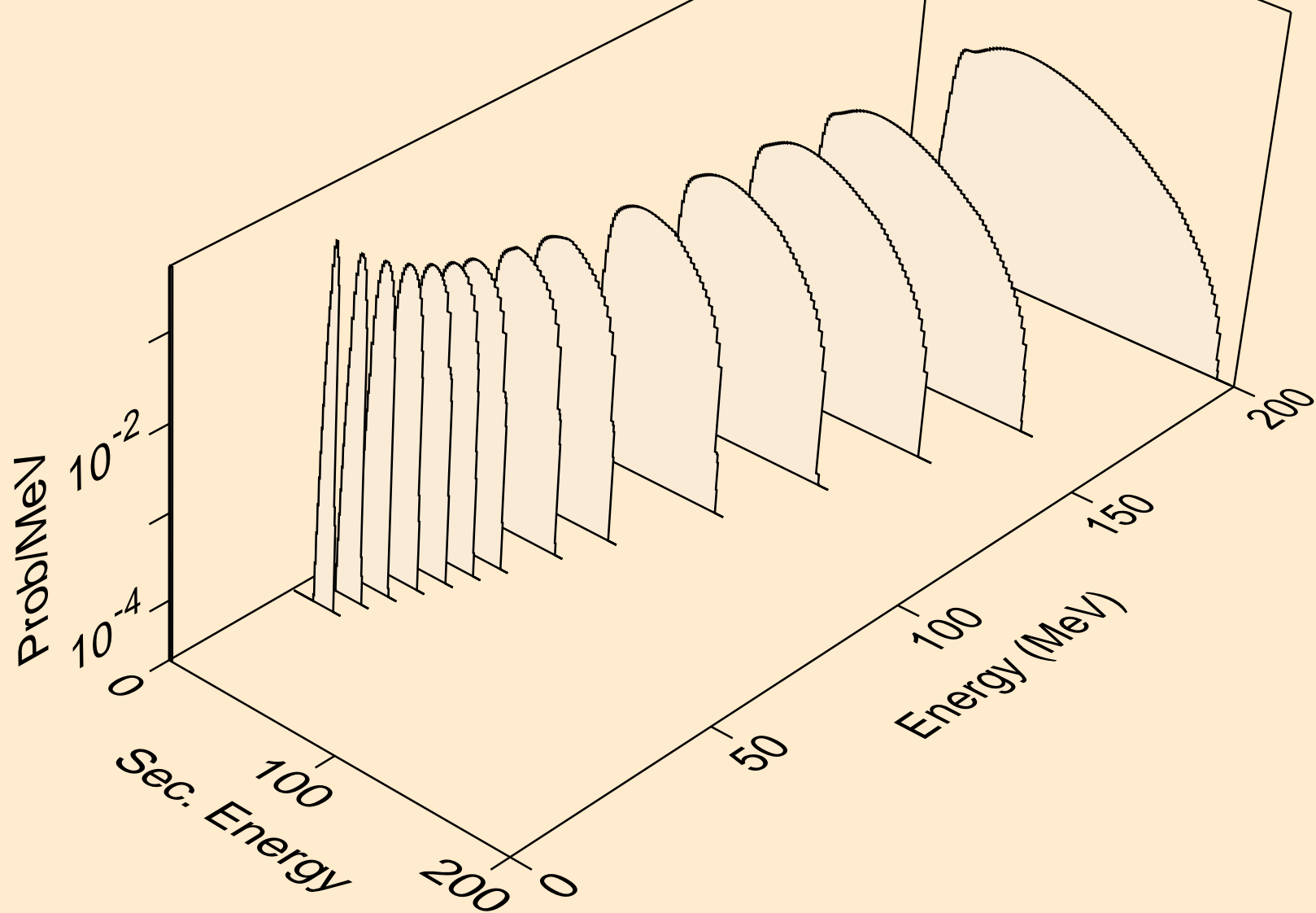
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,n\*)t



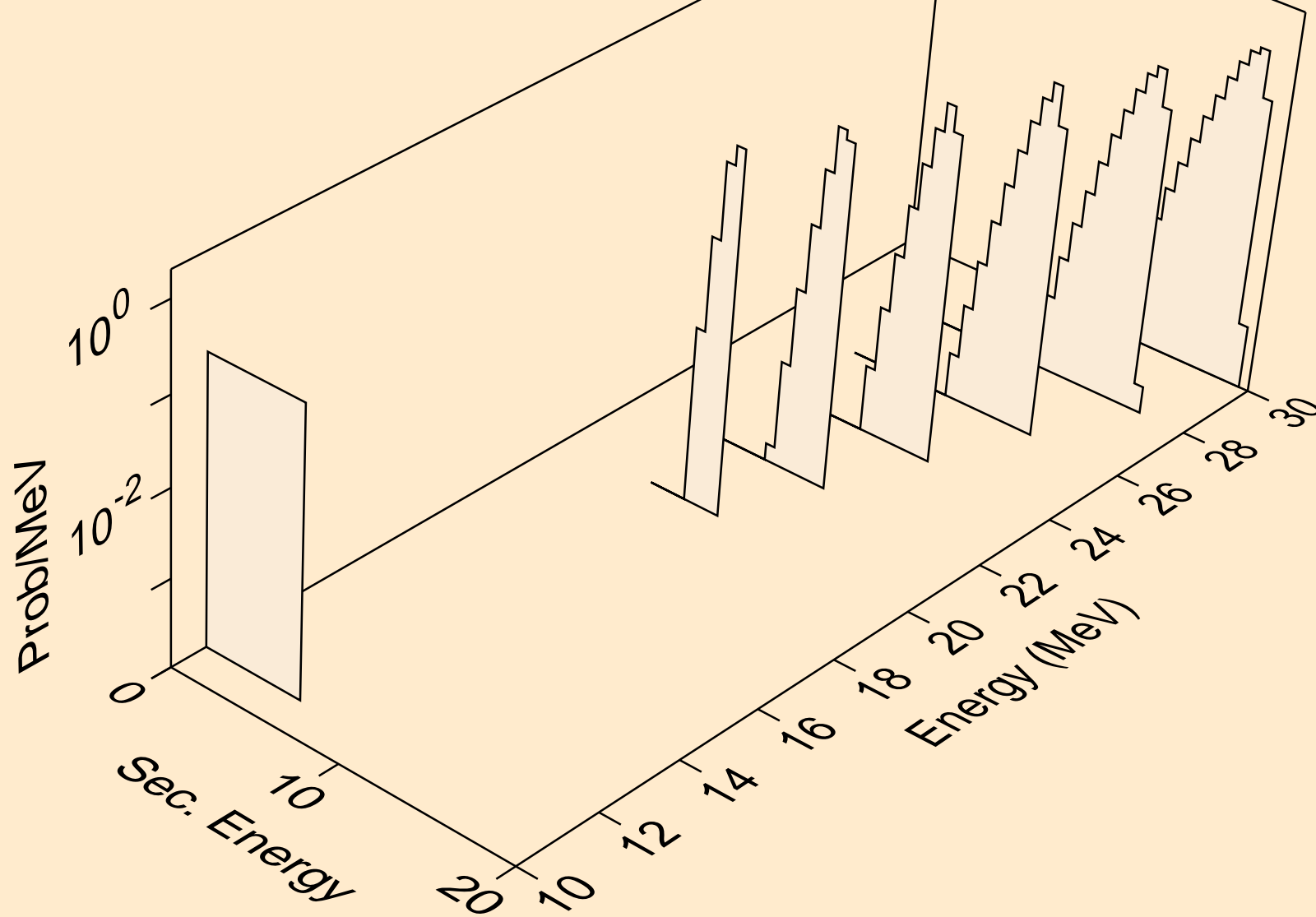
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,t)



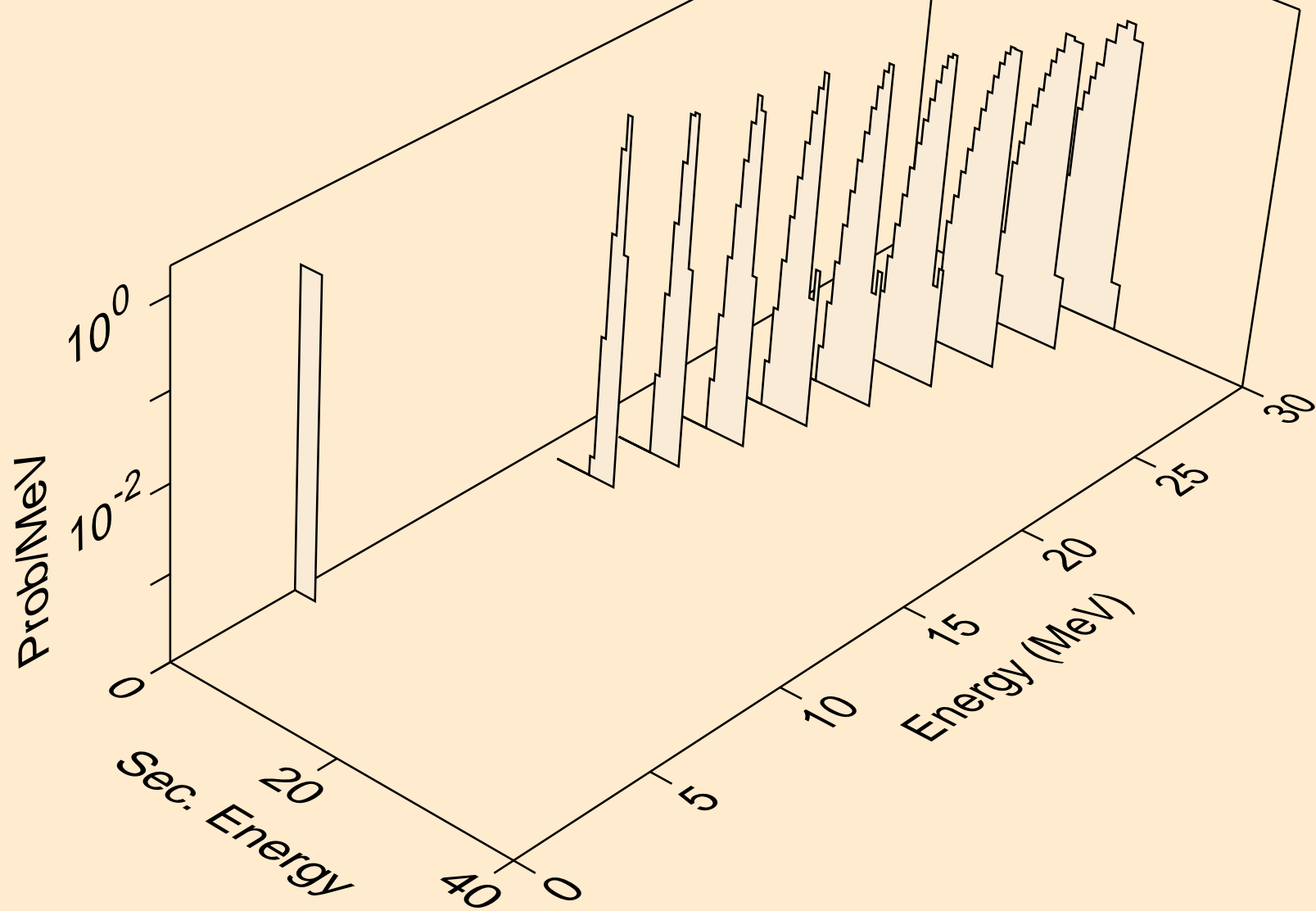
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)



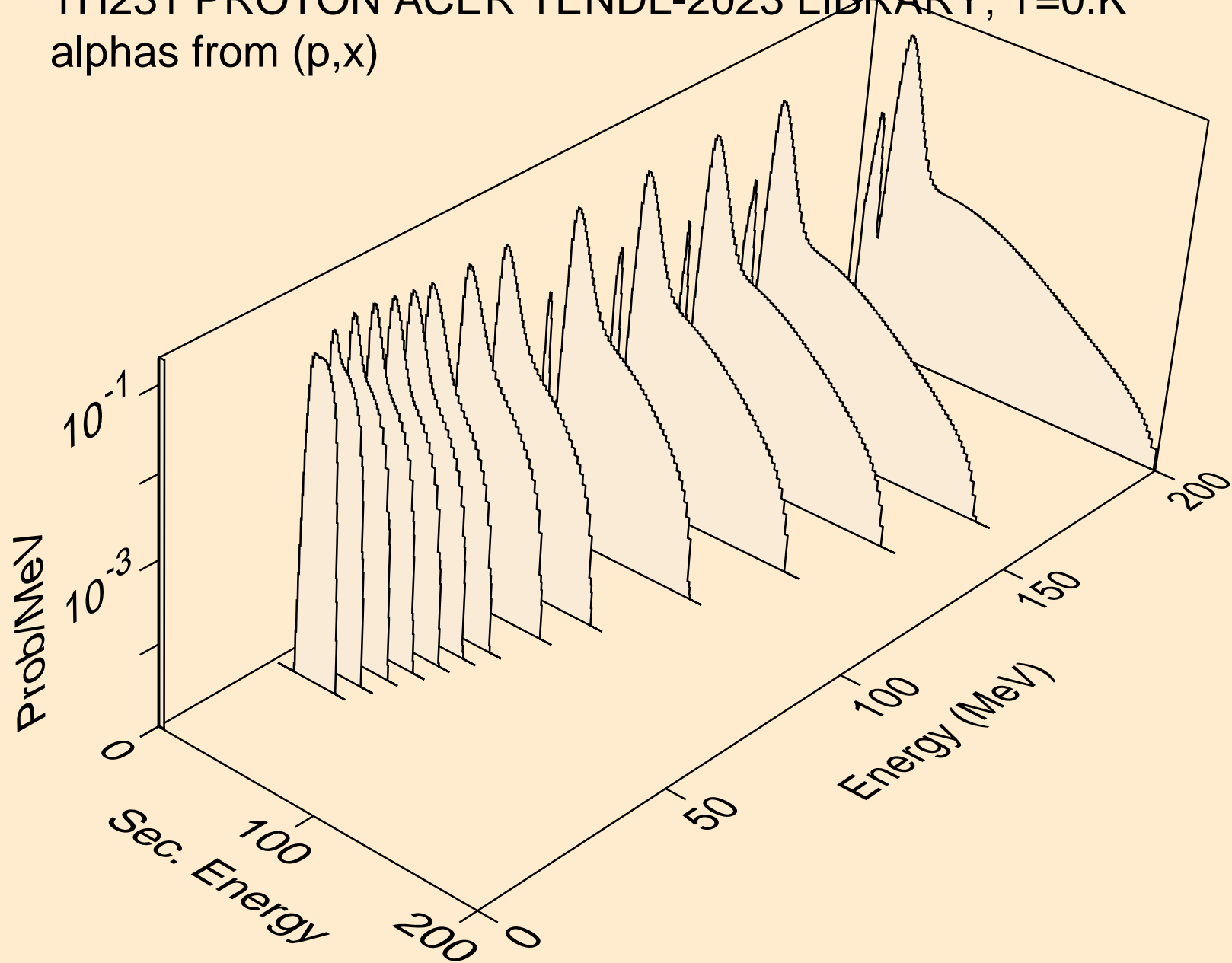
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3



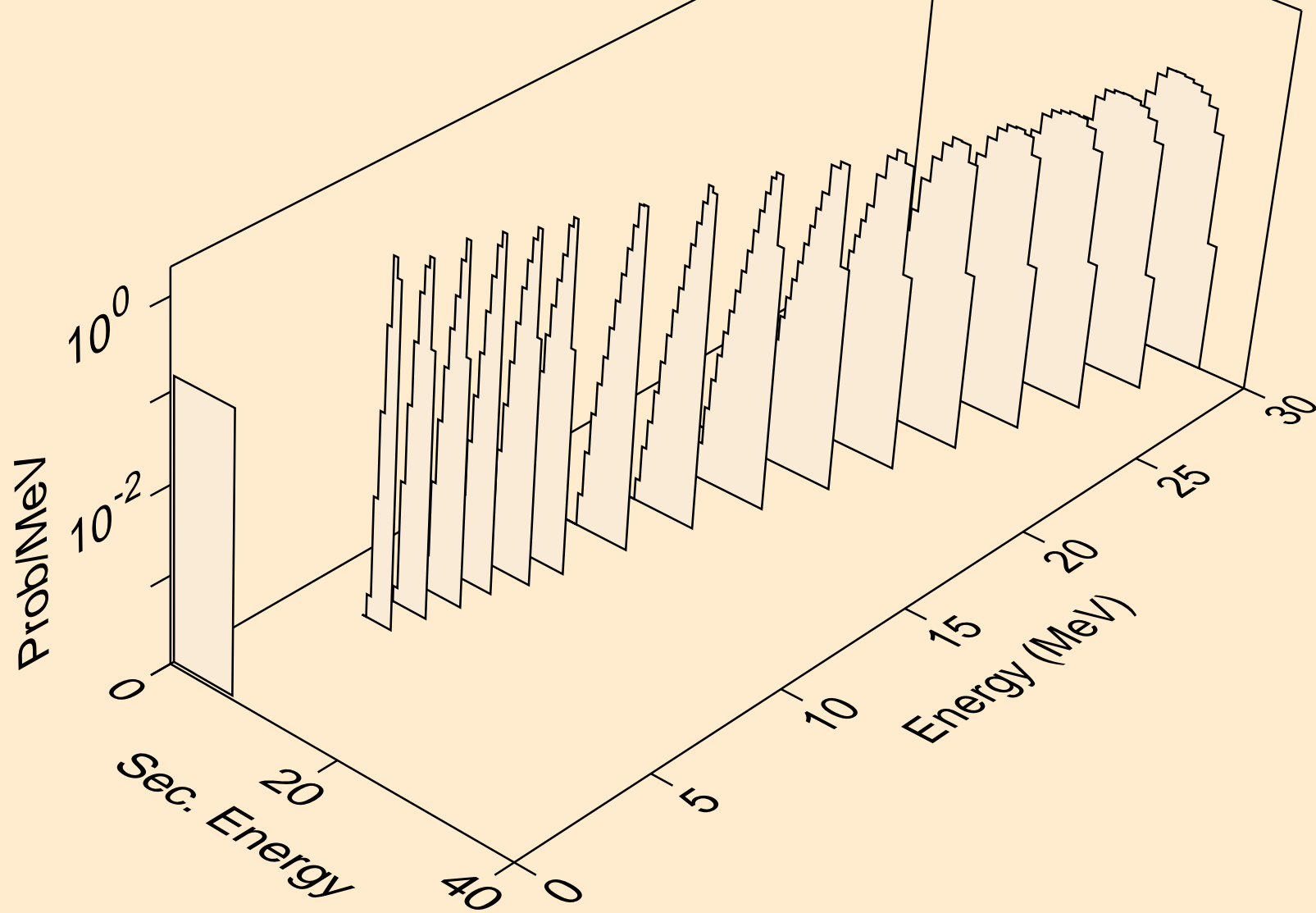
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,he3)



TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)

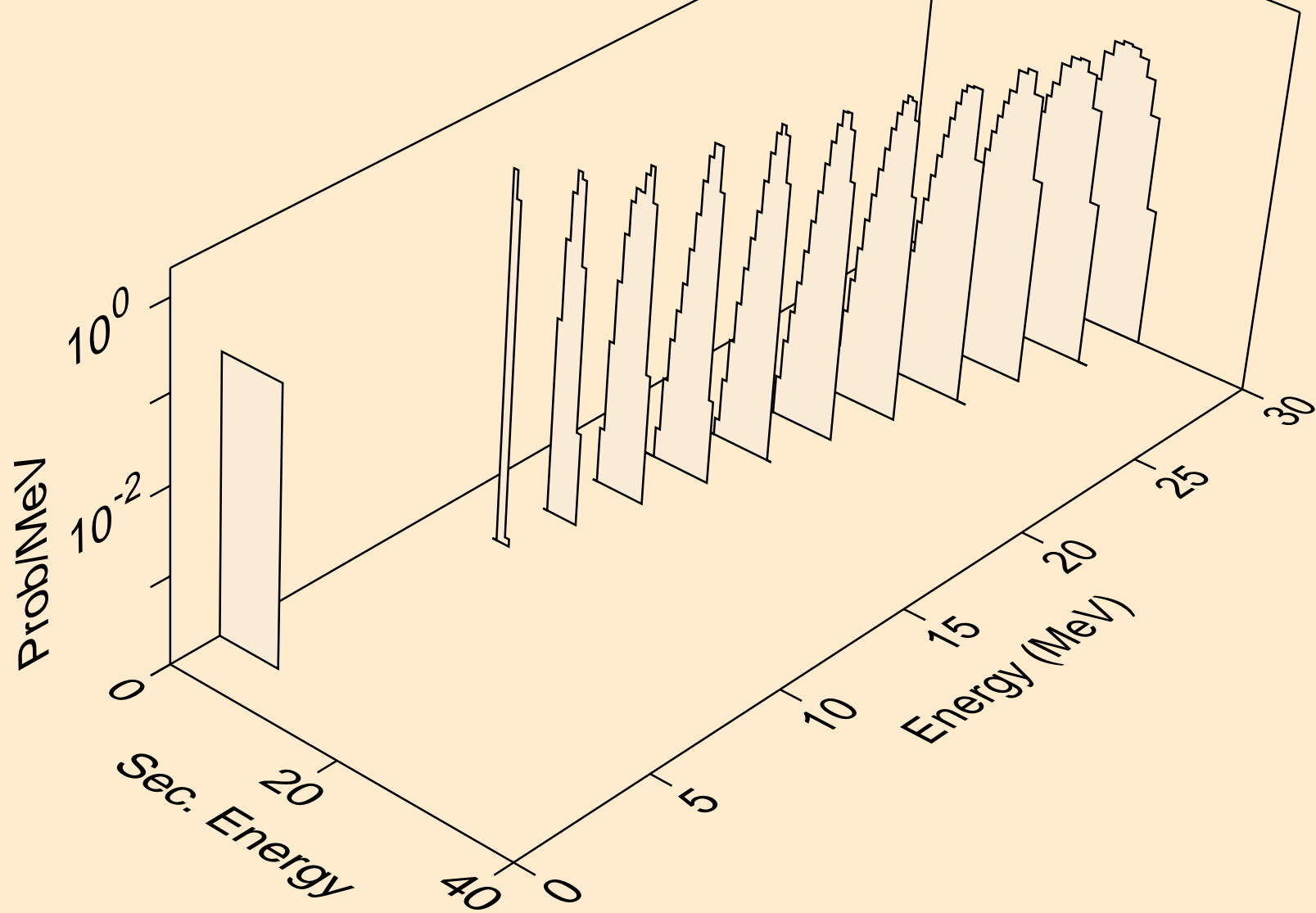


TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a

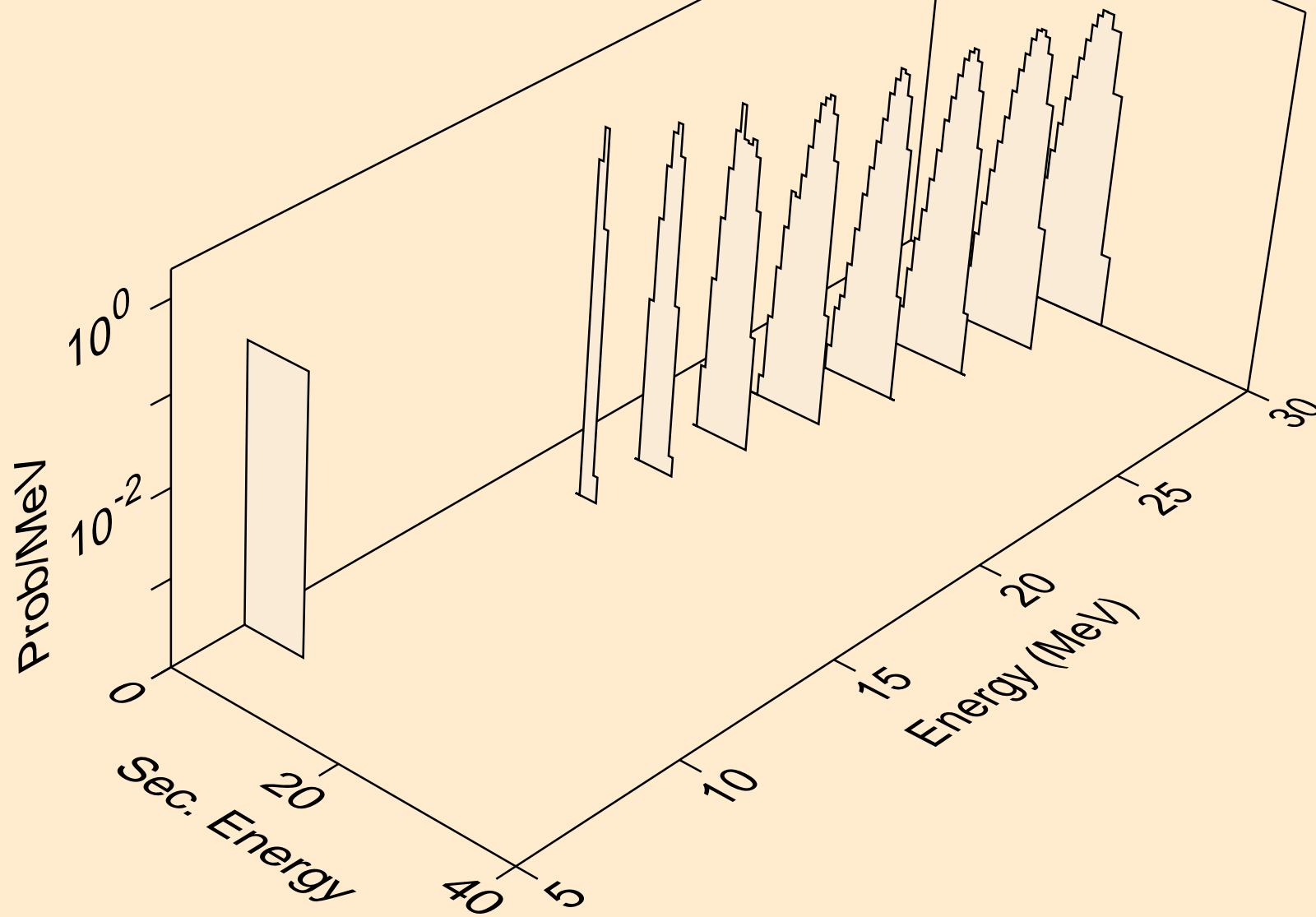




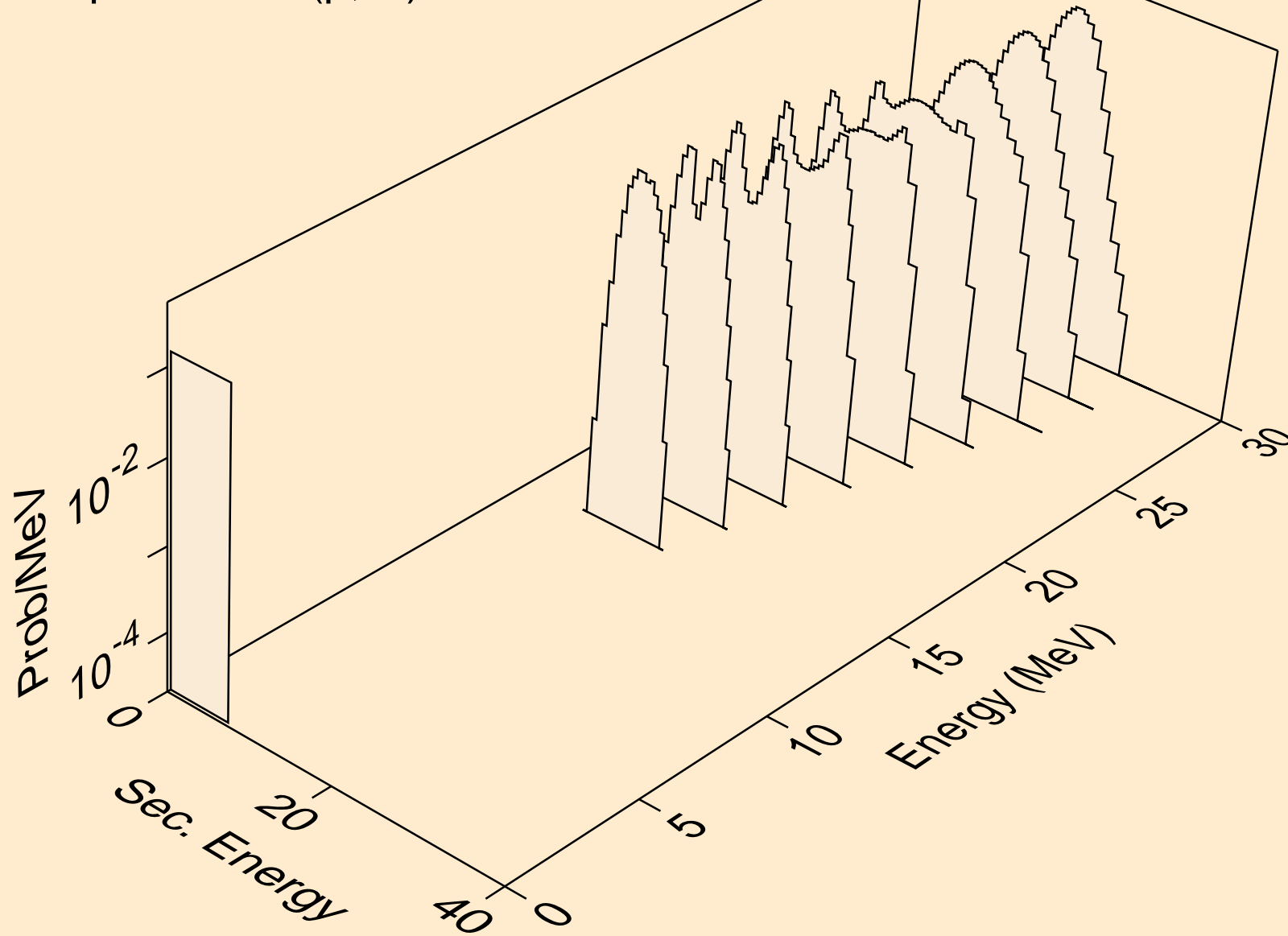
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)a



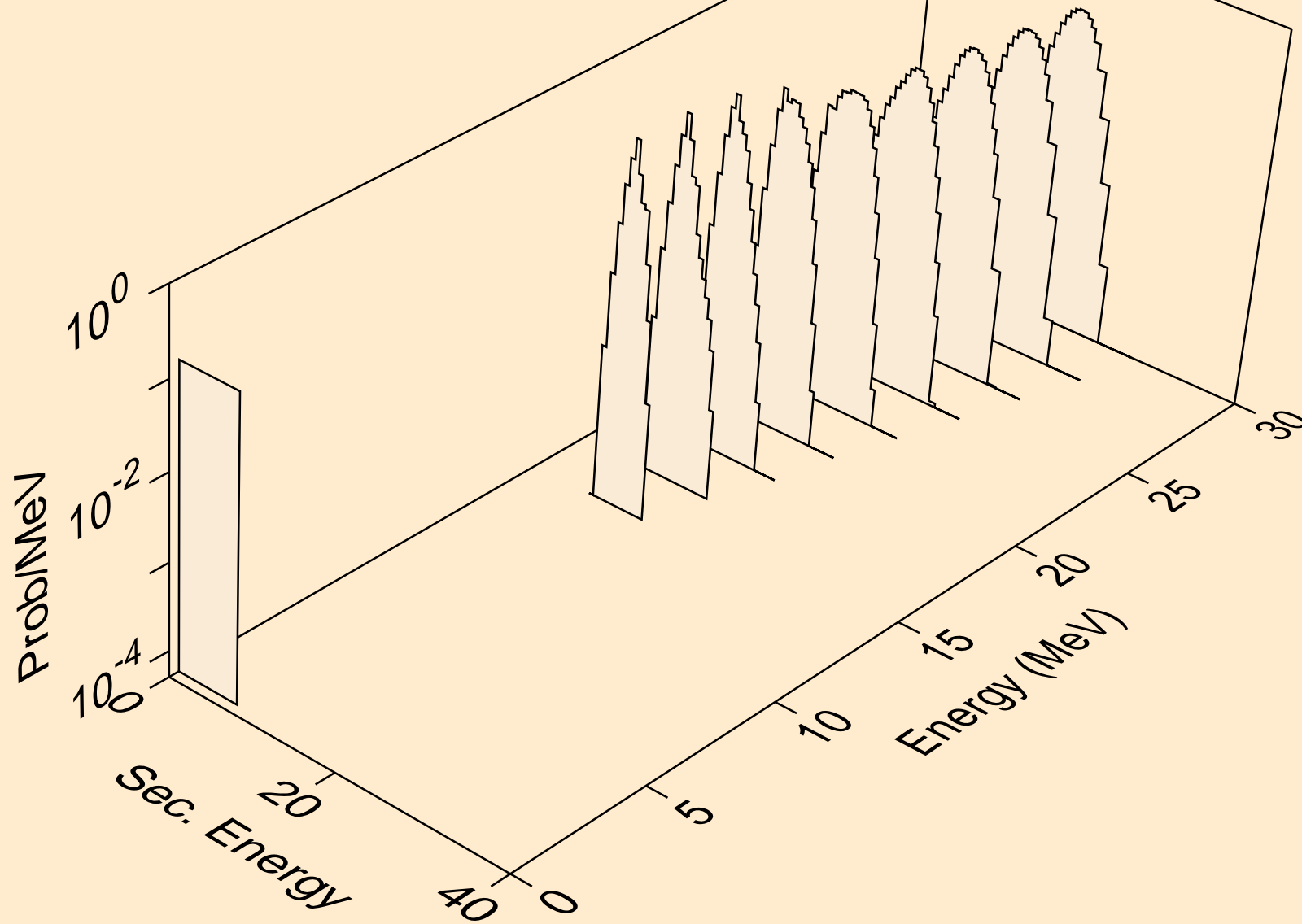
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3n)a



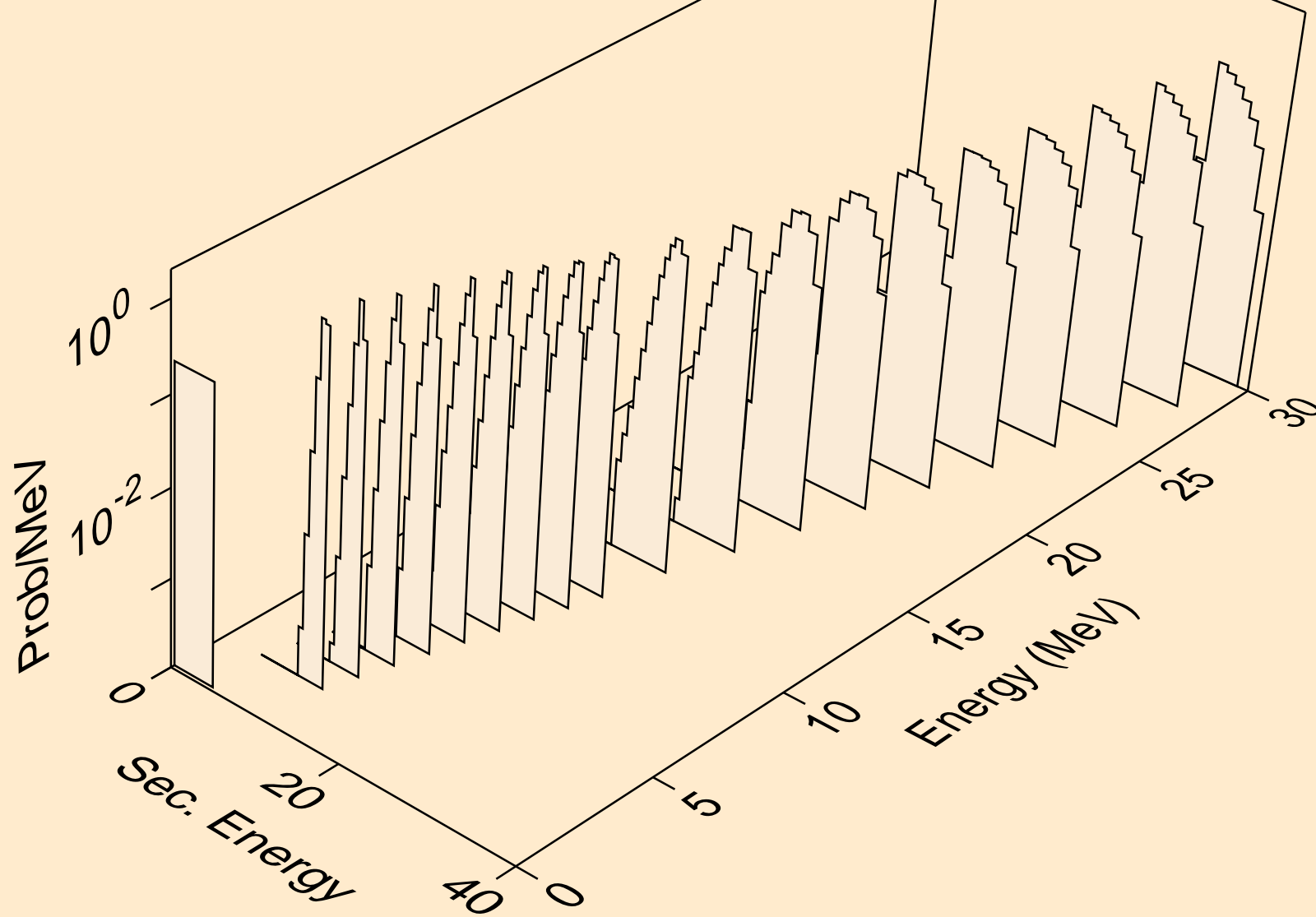
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)2a



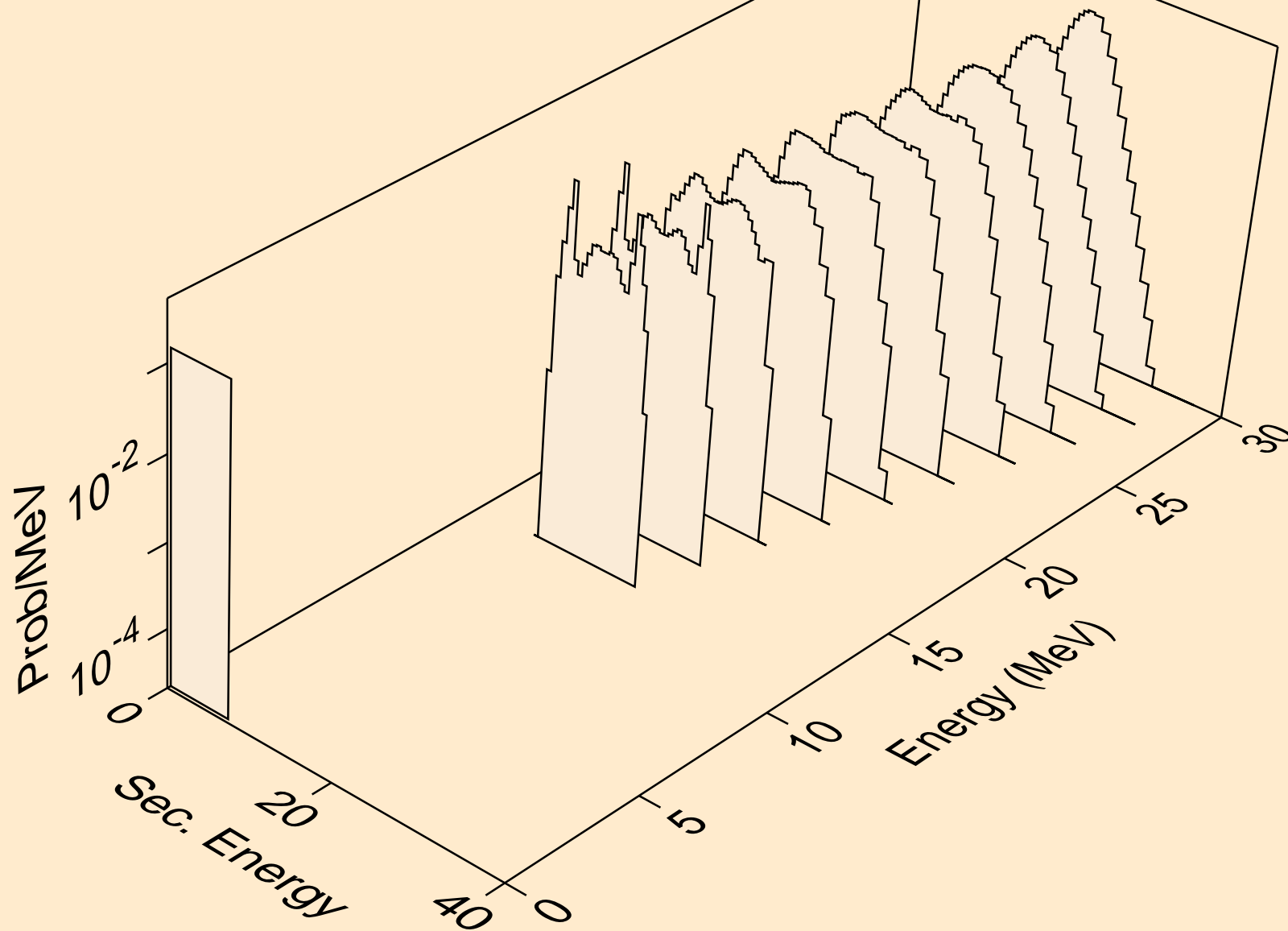
TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,npa)



TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)



TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2a)



TH231 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)

