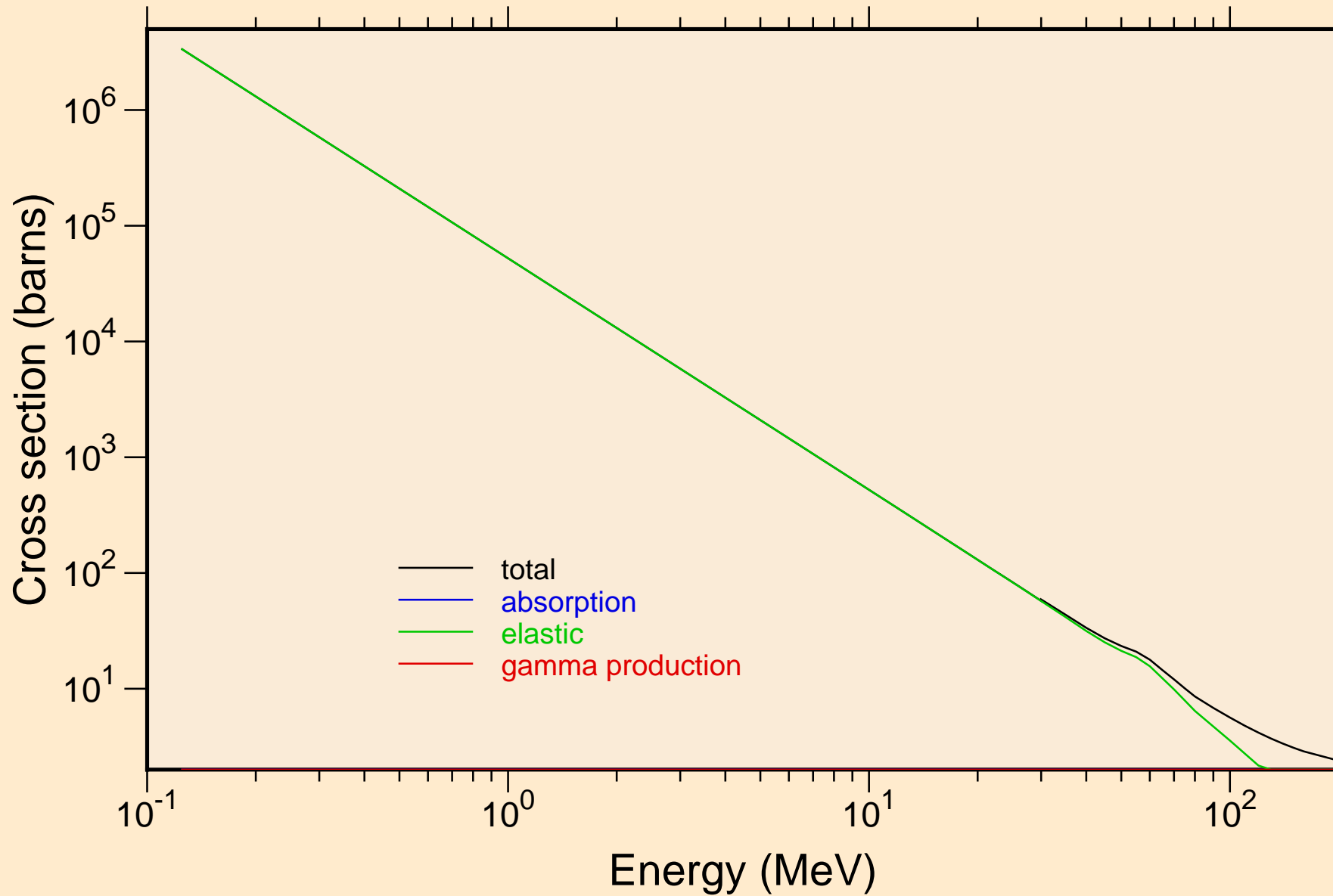
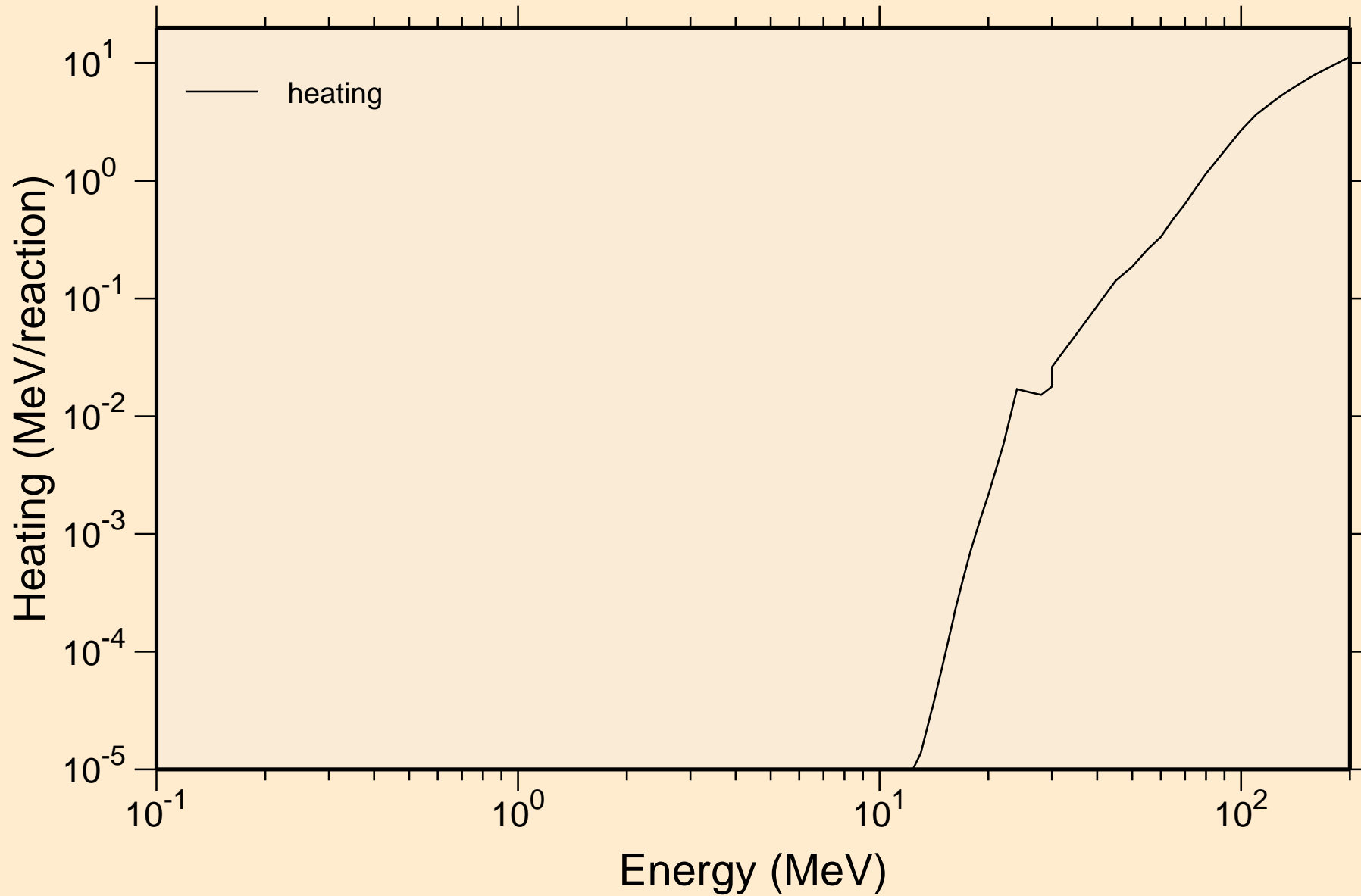


# U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

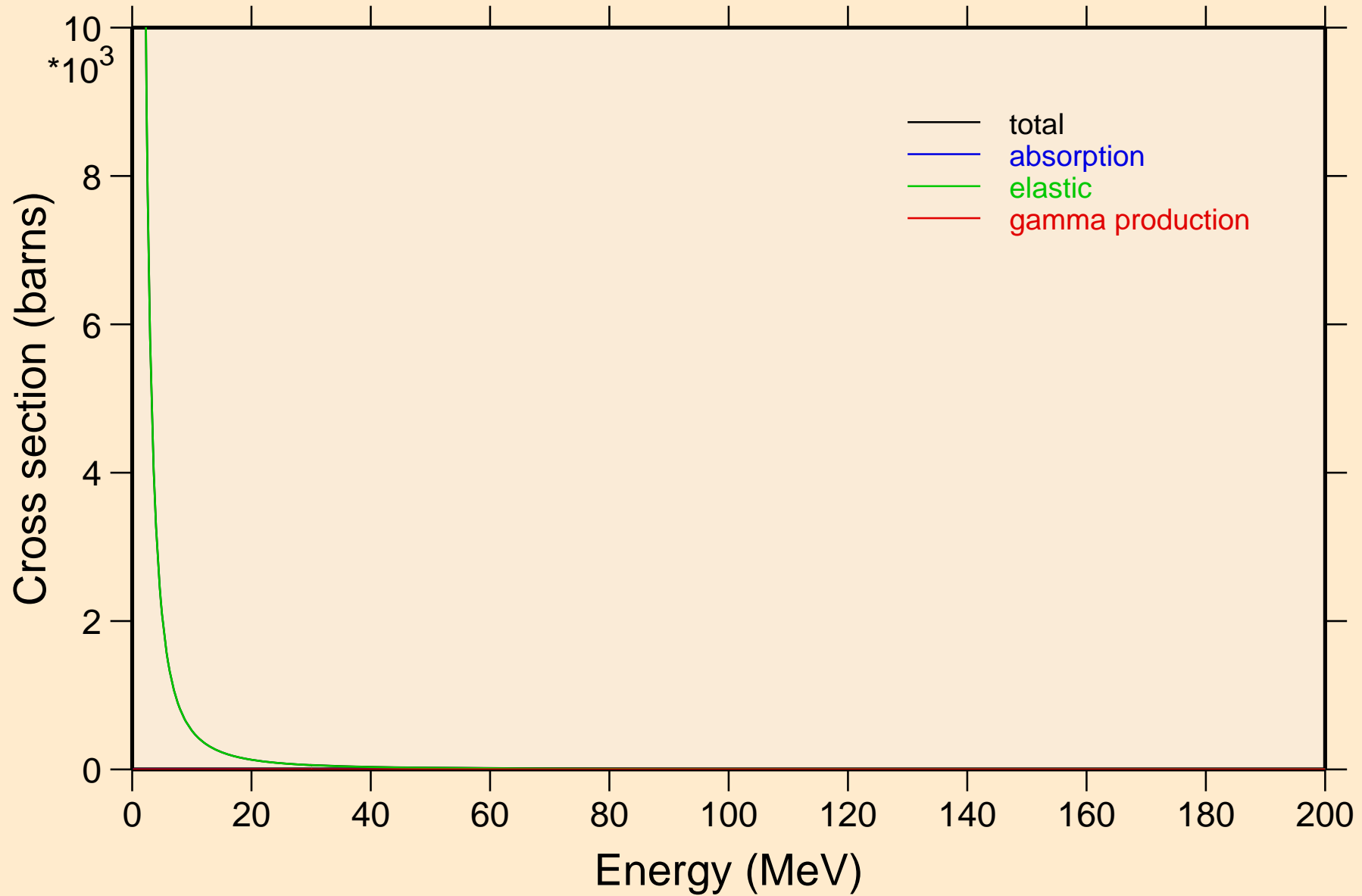


U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



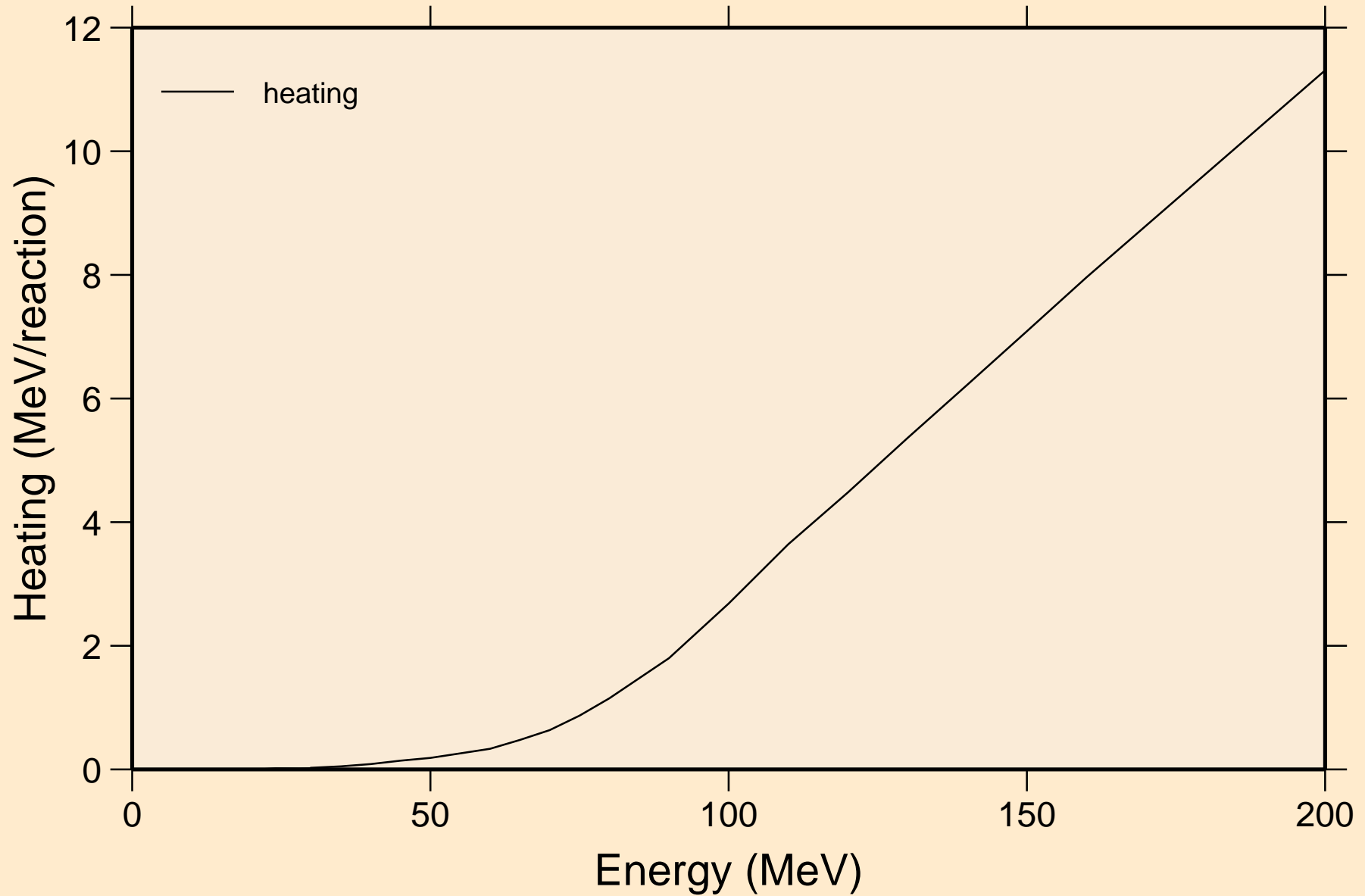
# U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



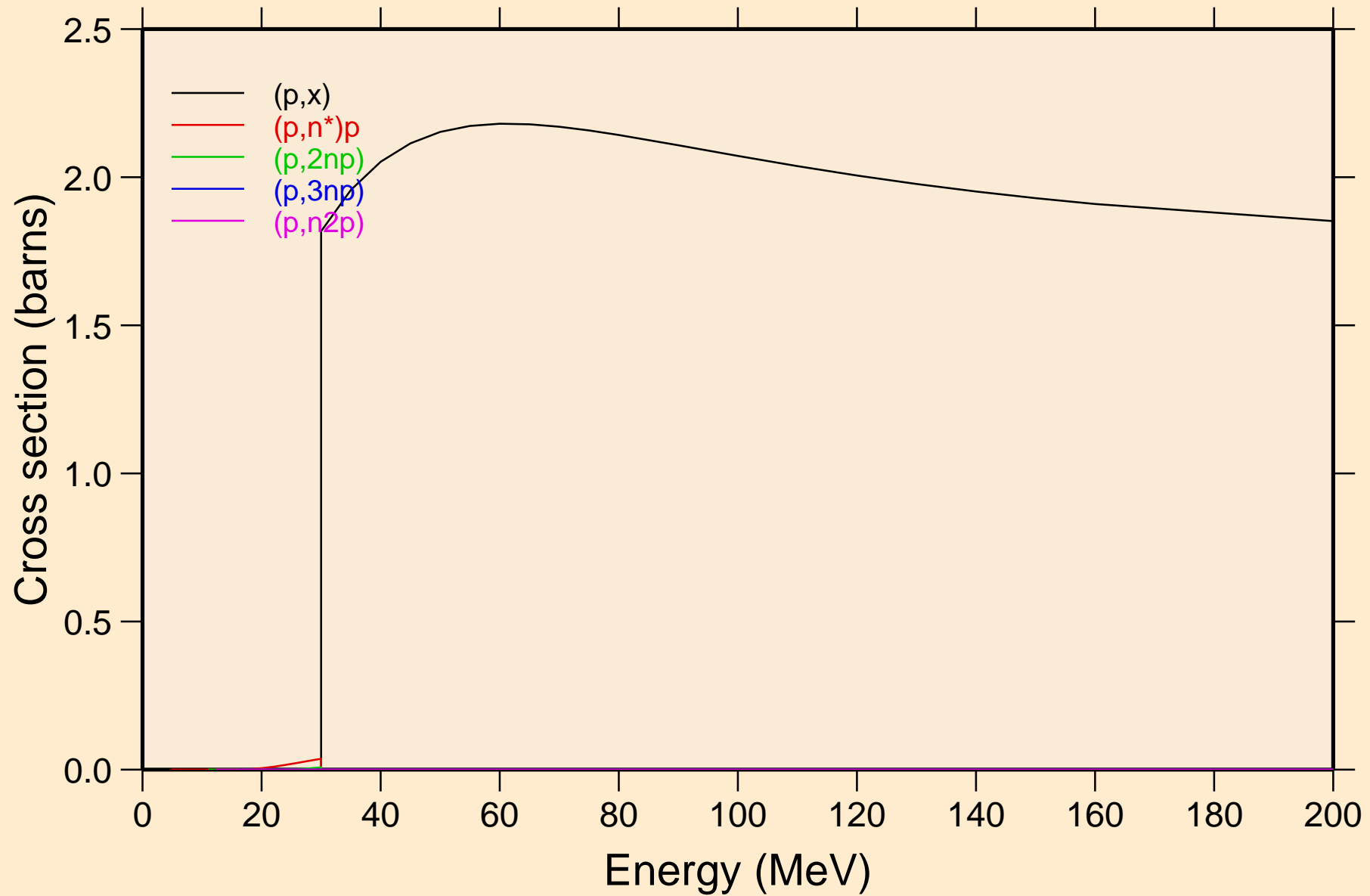
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating



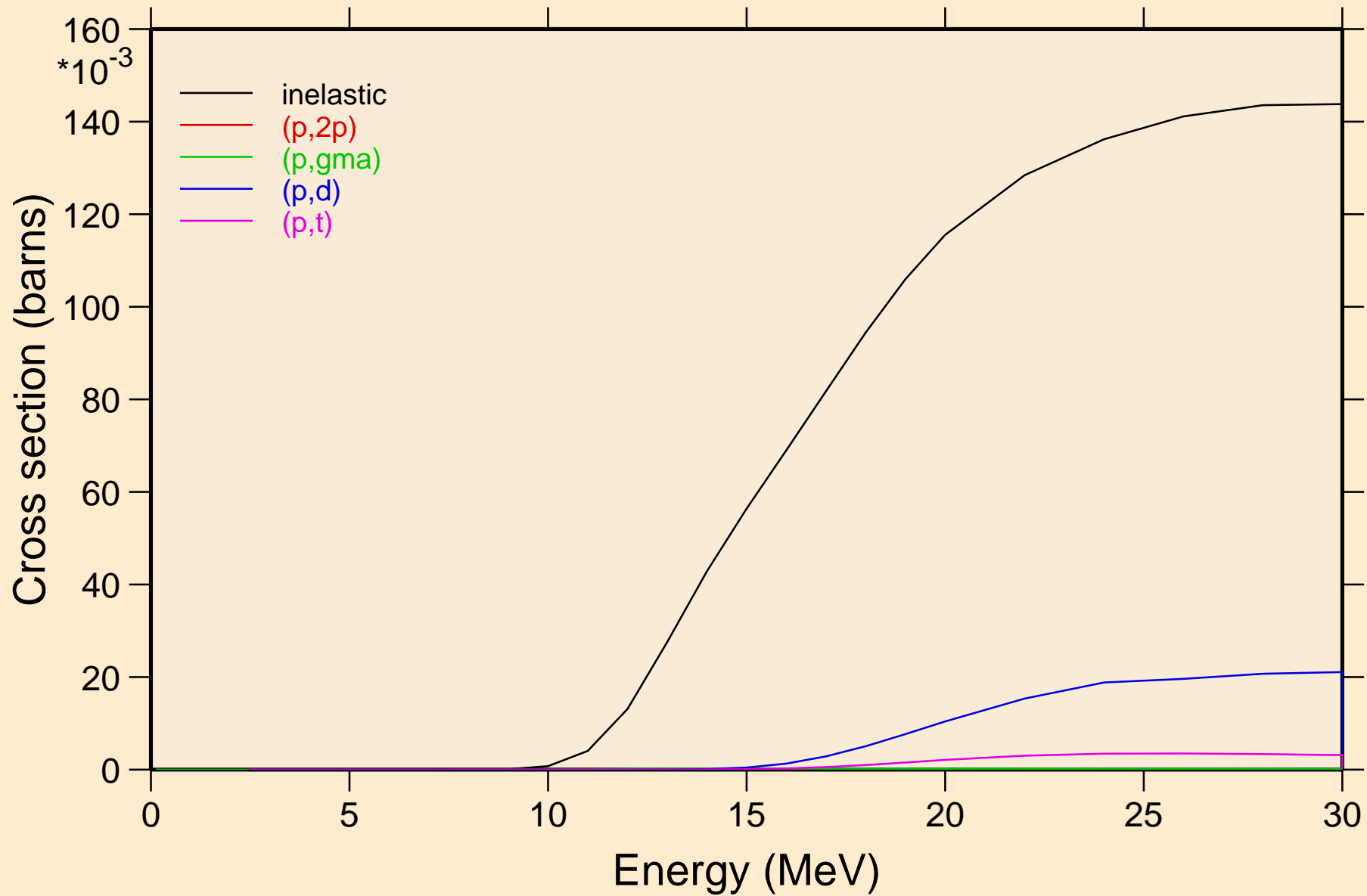
# U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

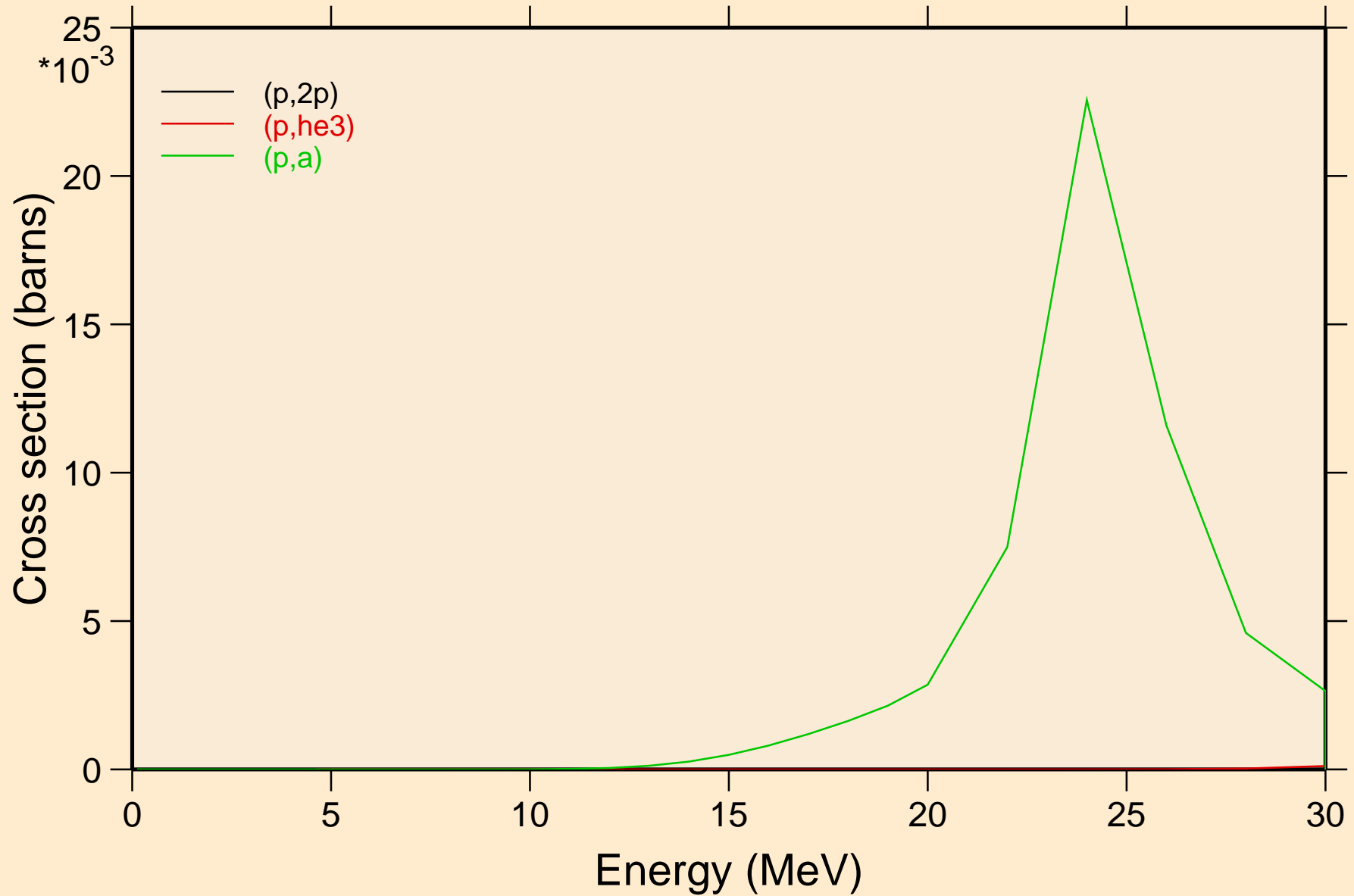


# U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K

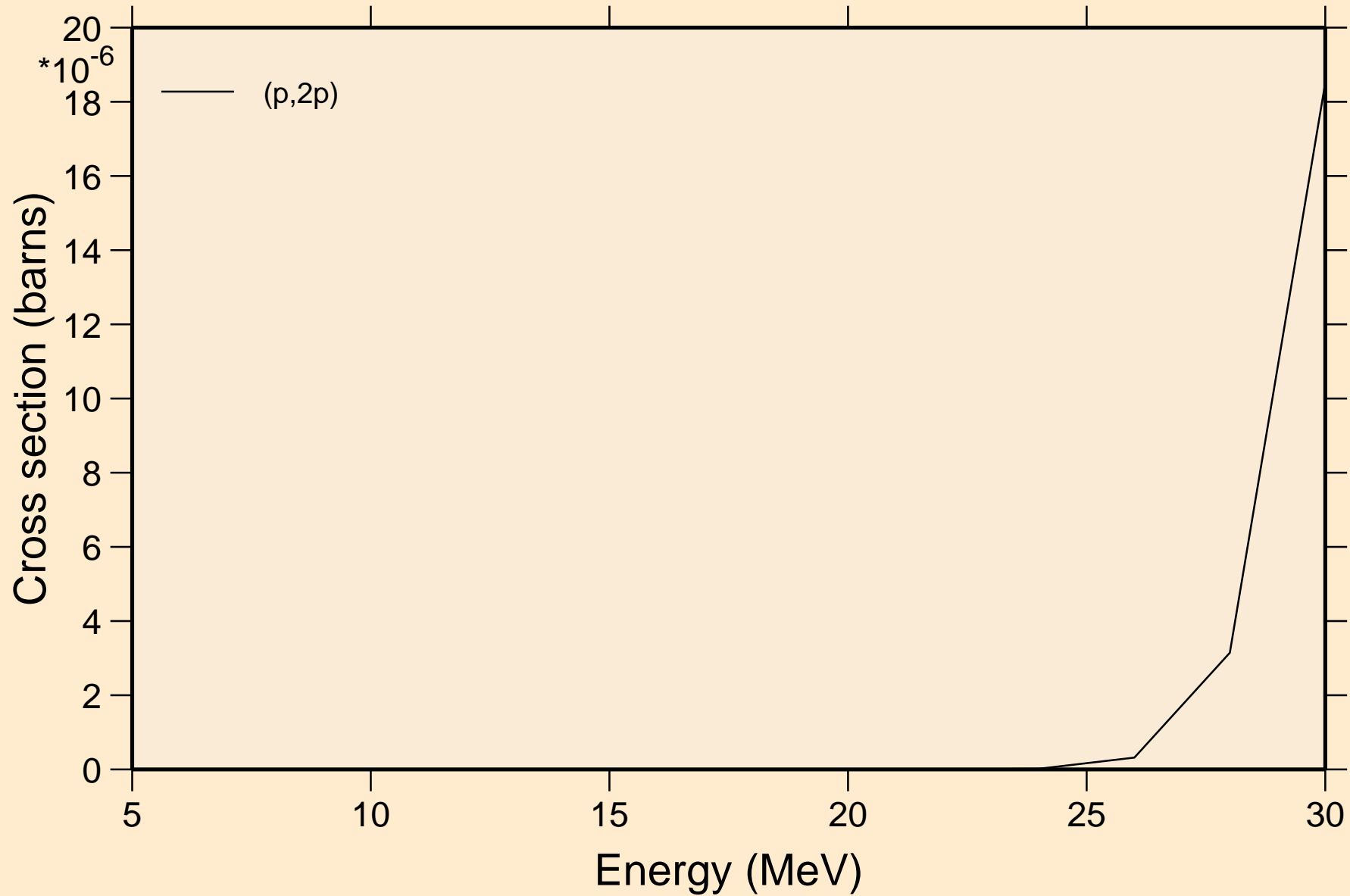
## Threshold reactions



U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

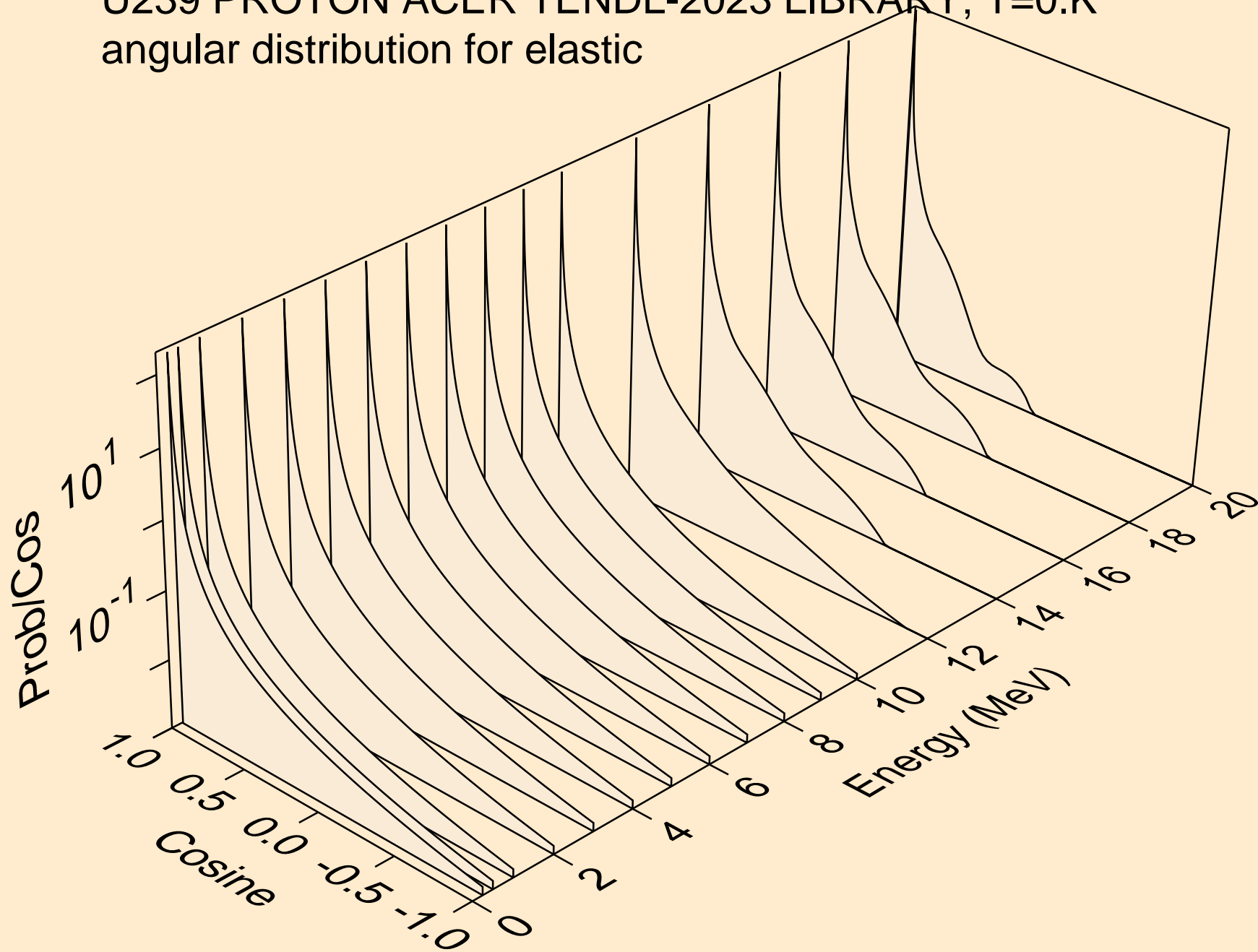


U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

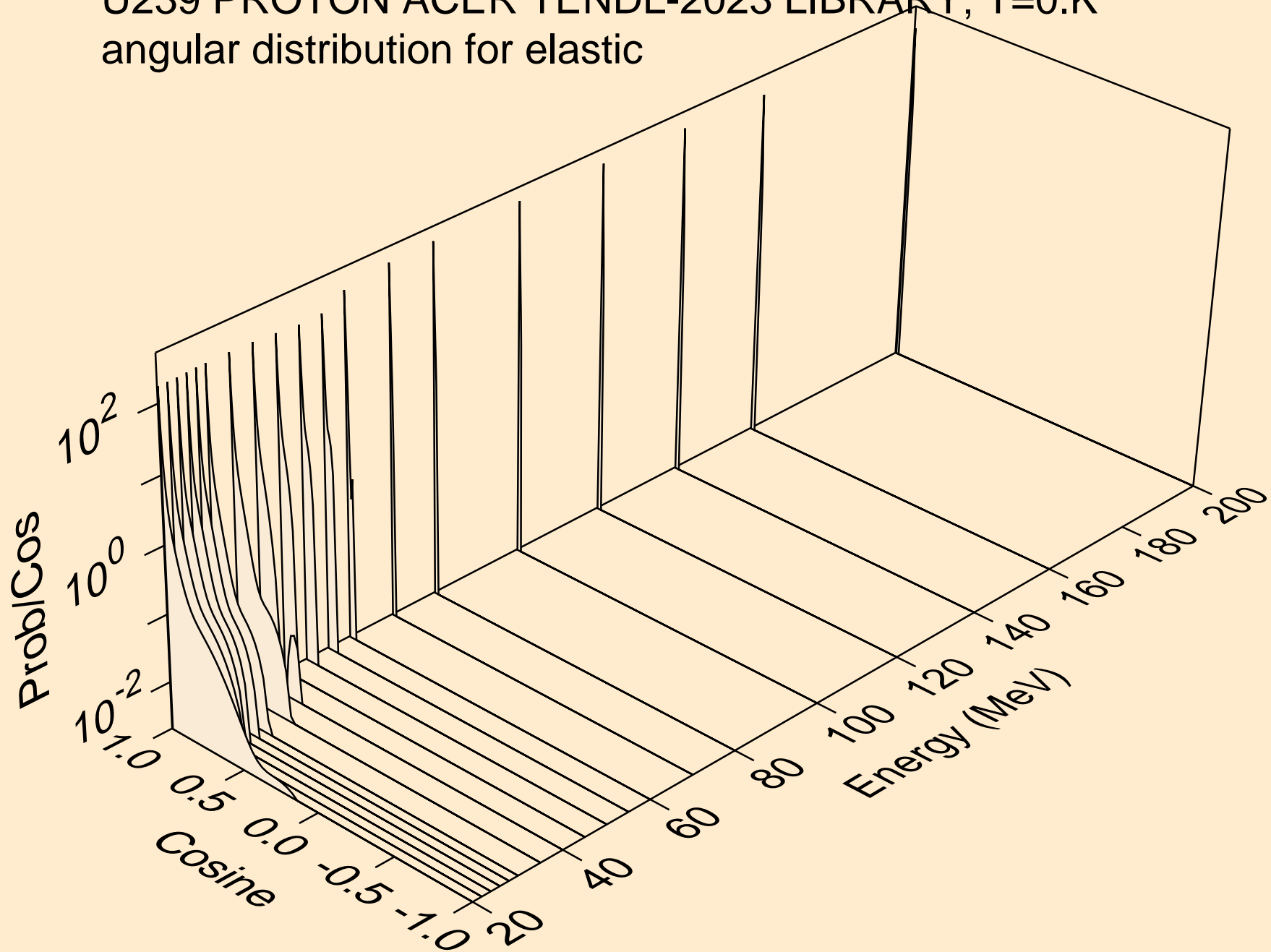




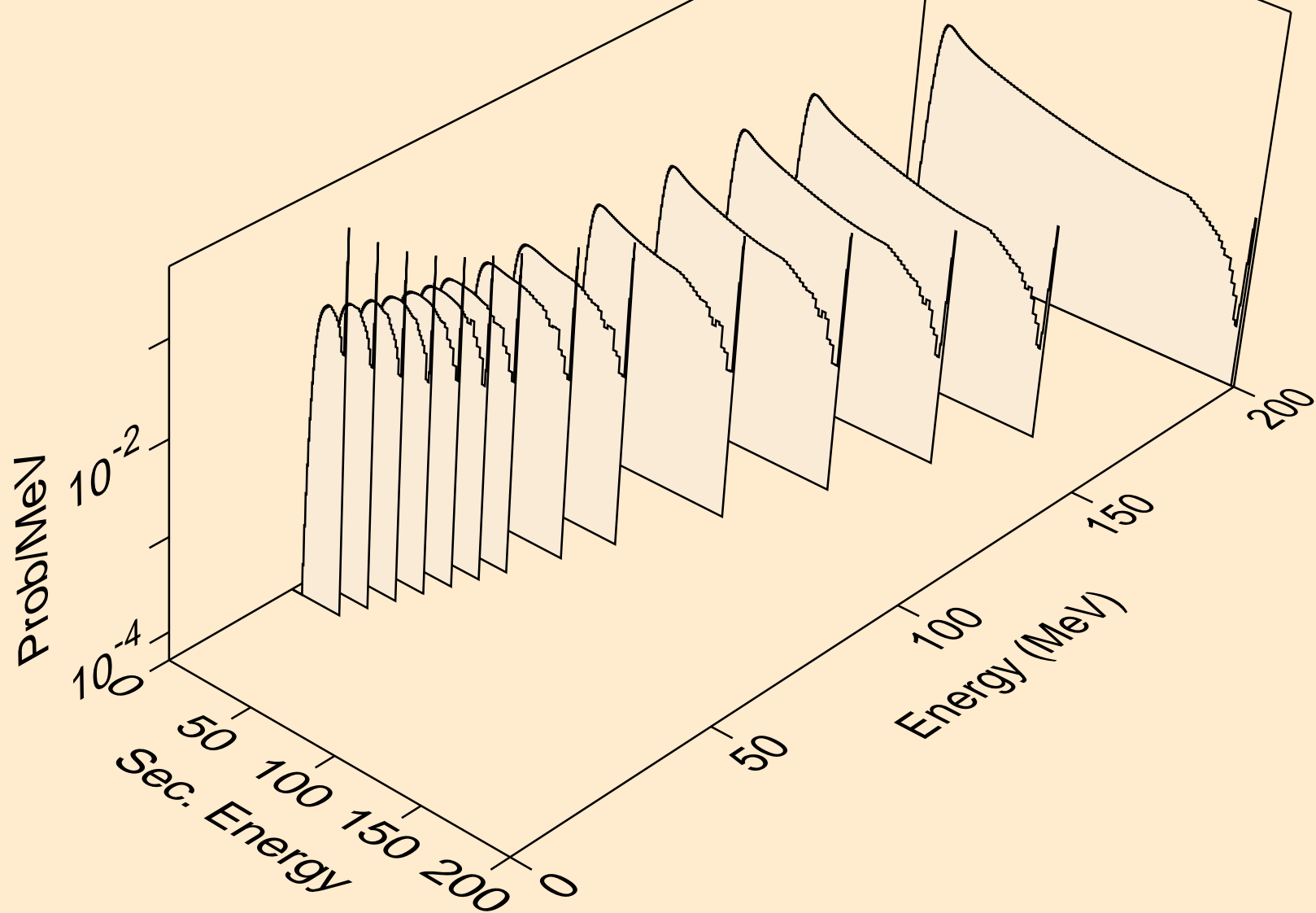
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



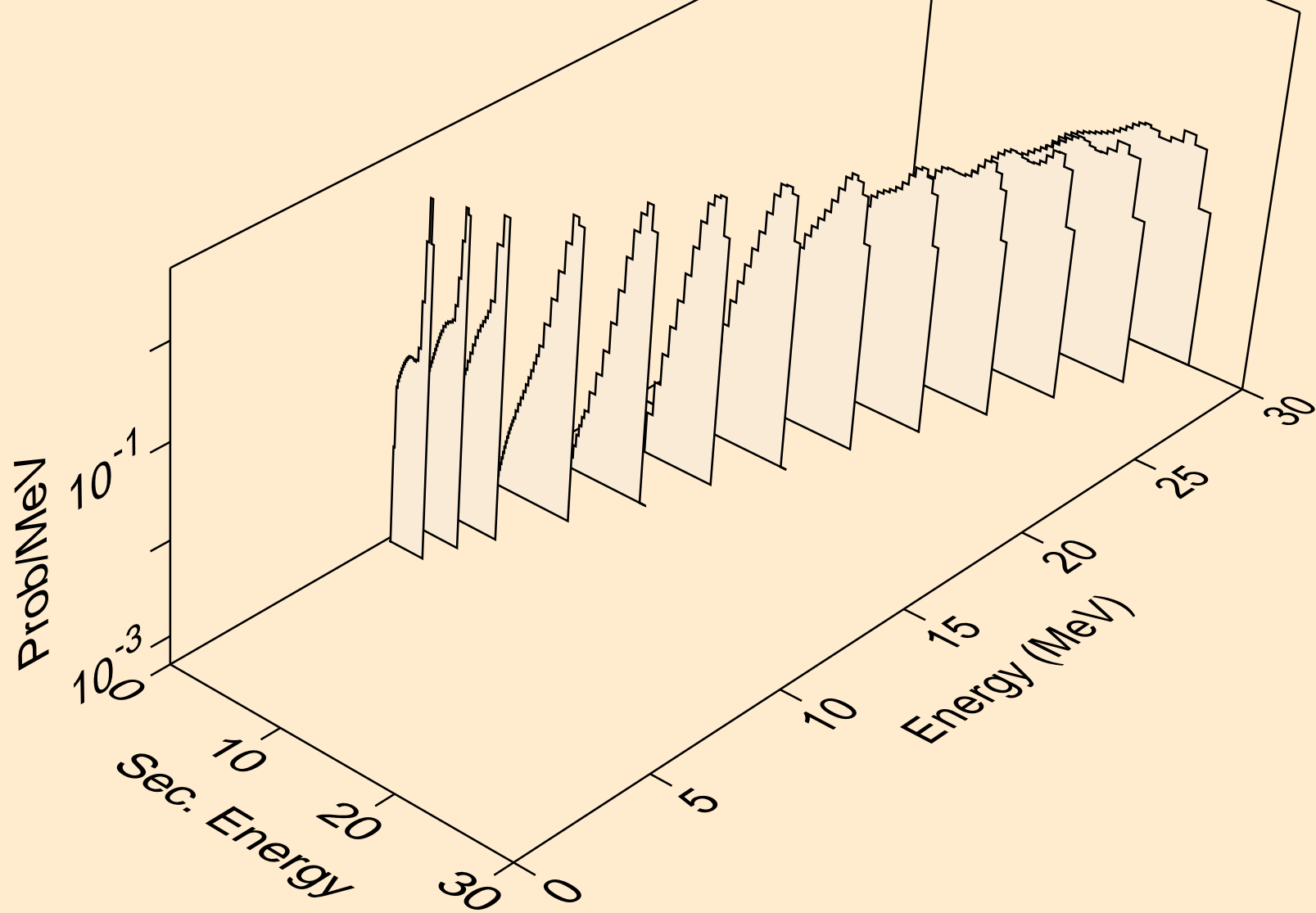
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



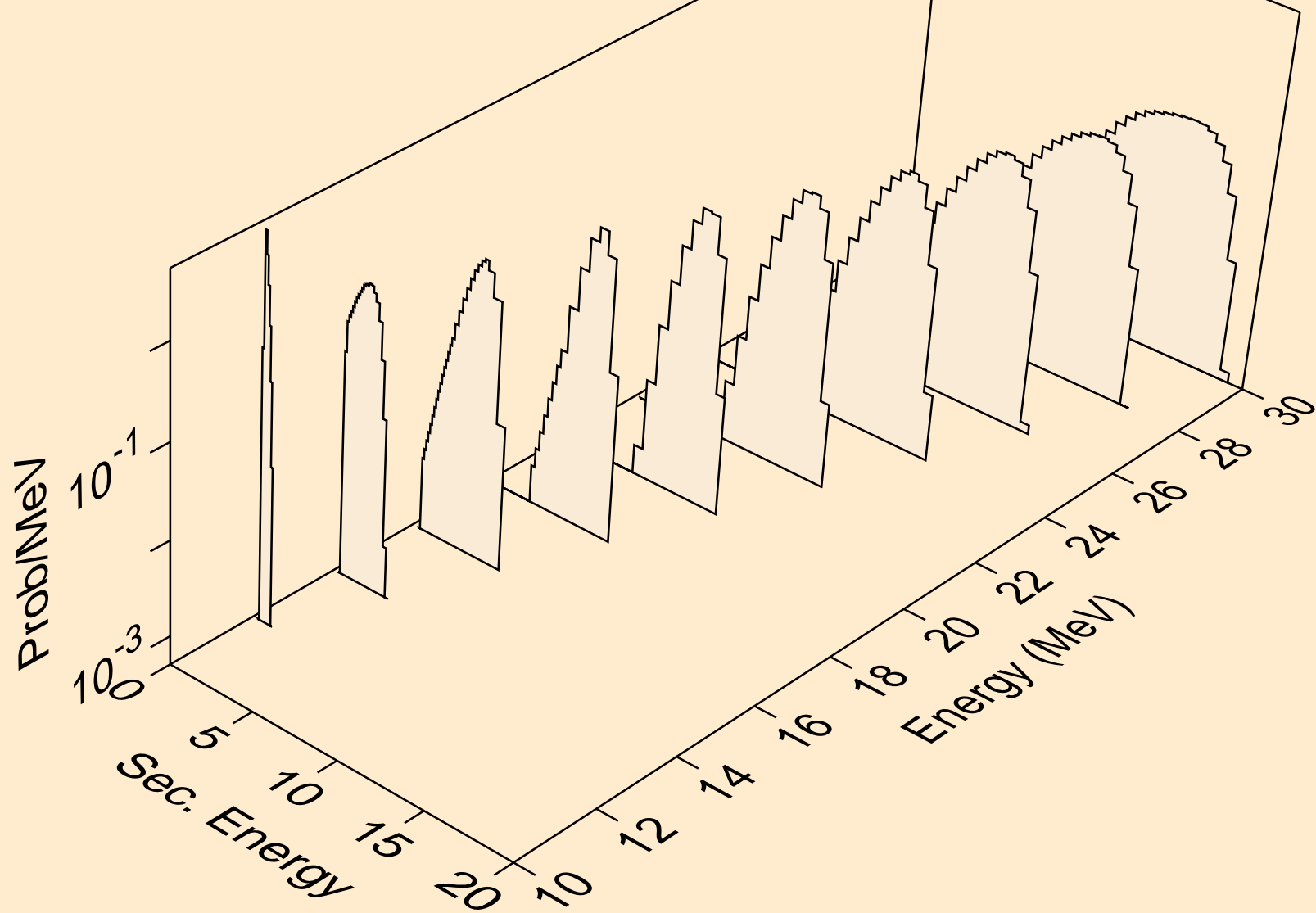
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



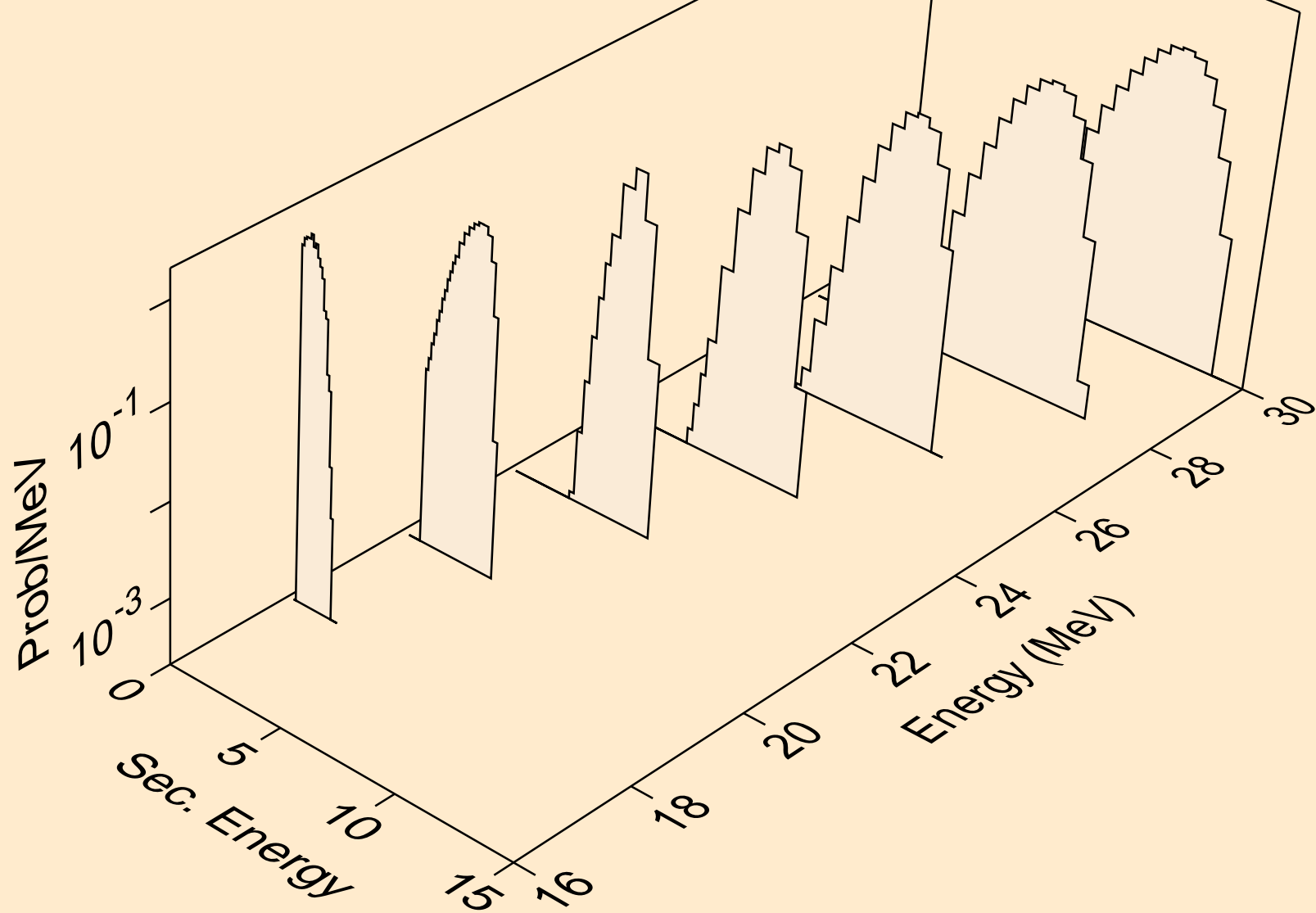
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



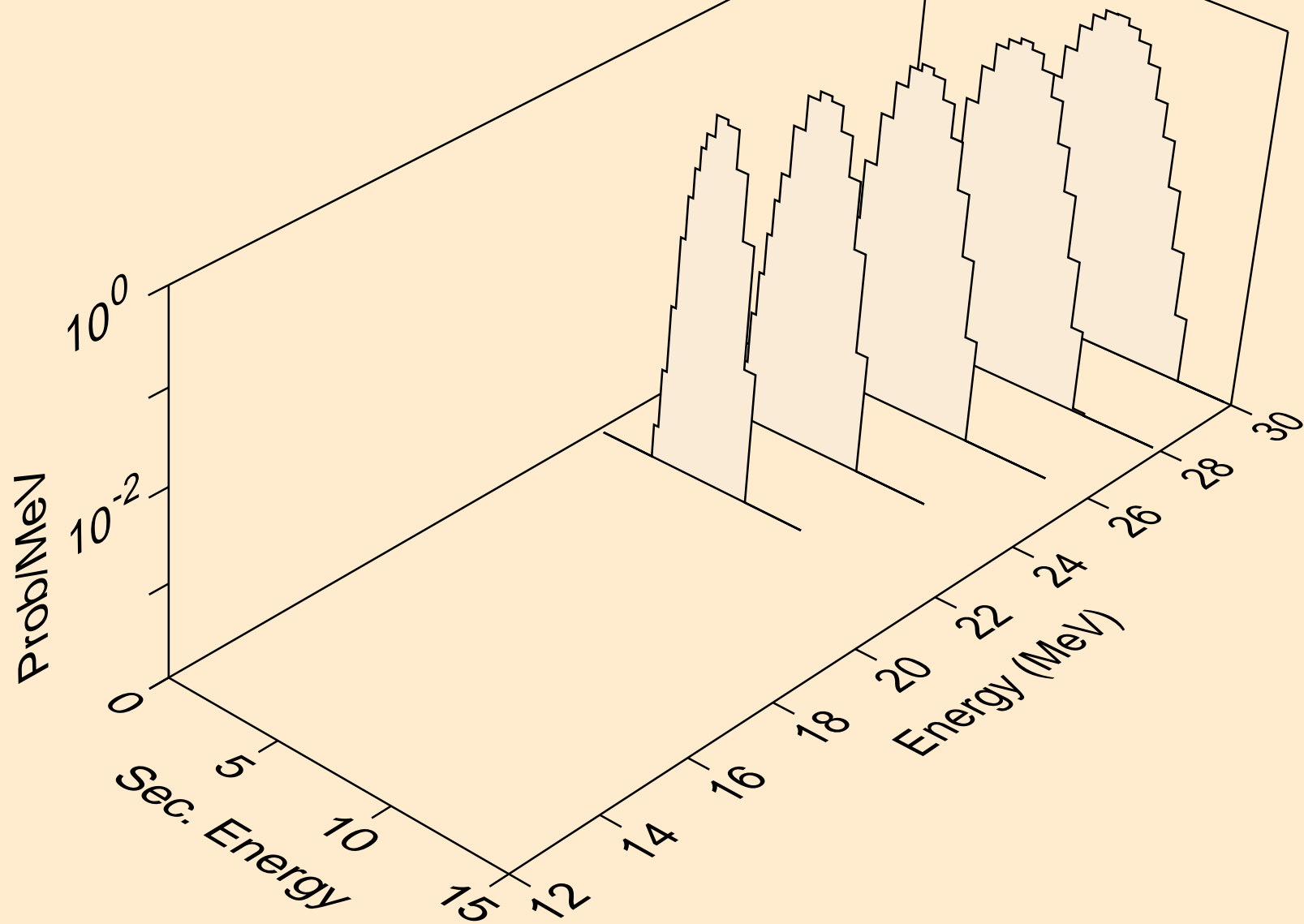
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



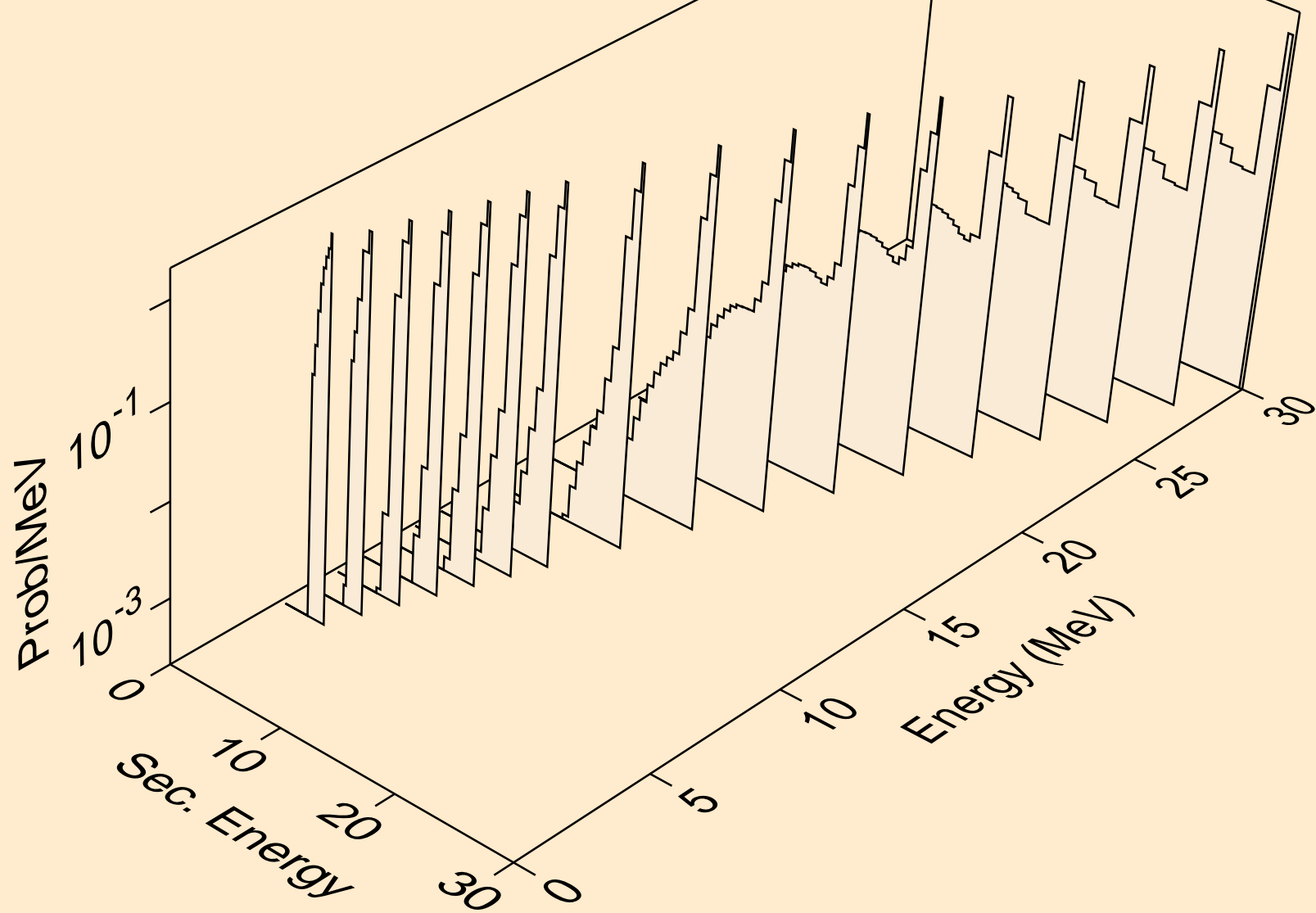
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,3np)



U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)

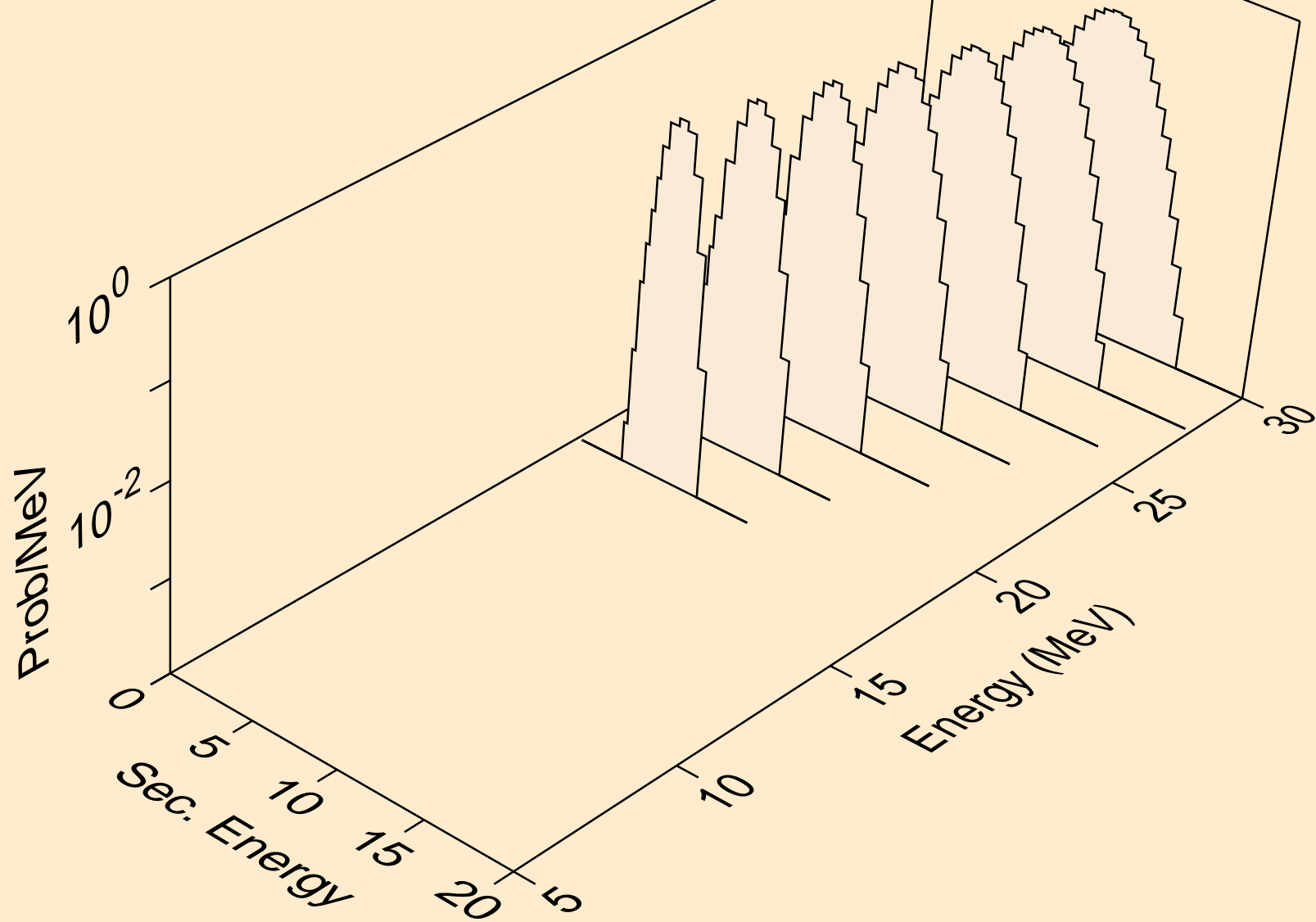


U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

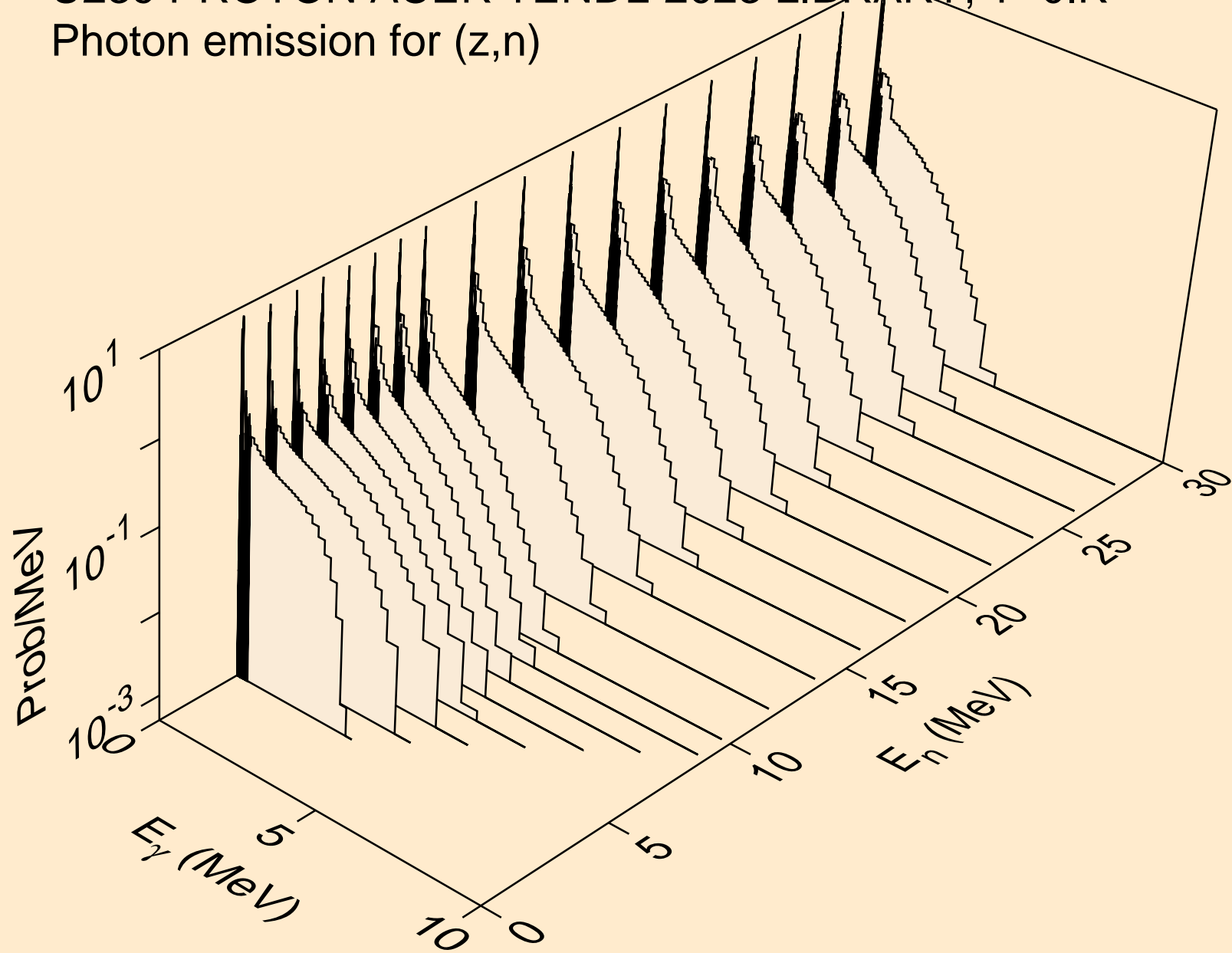




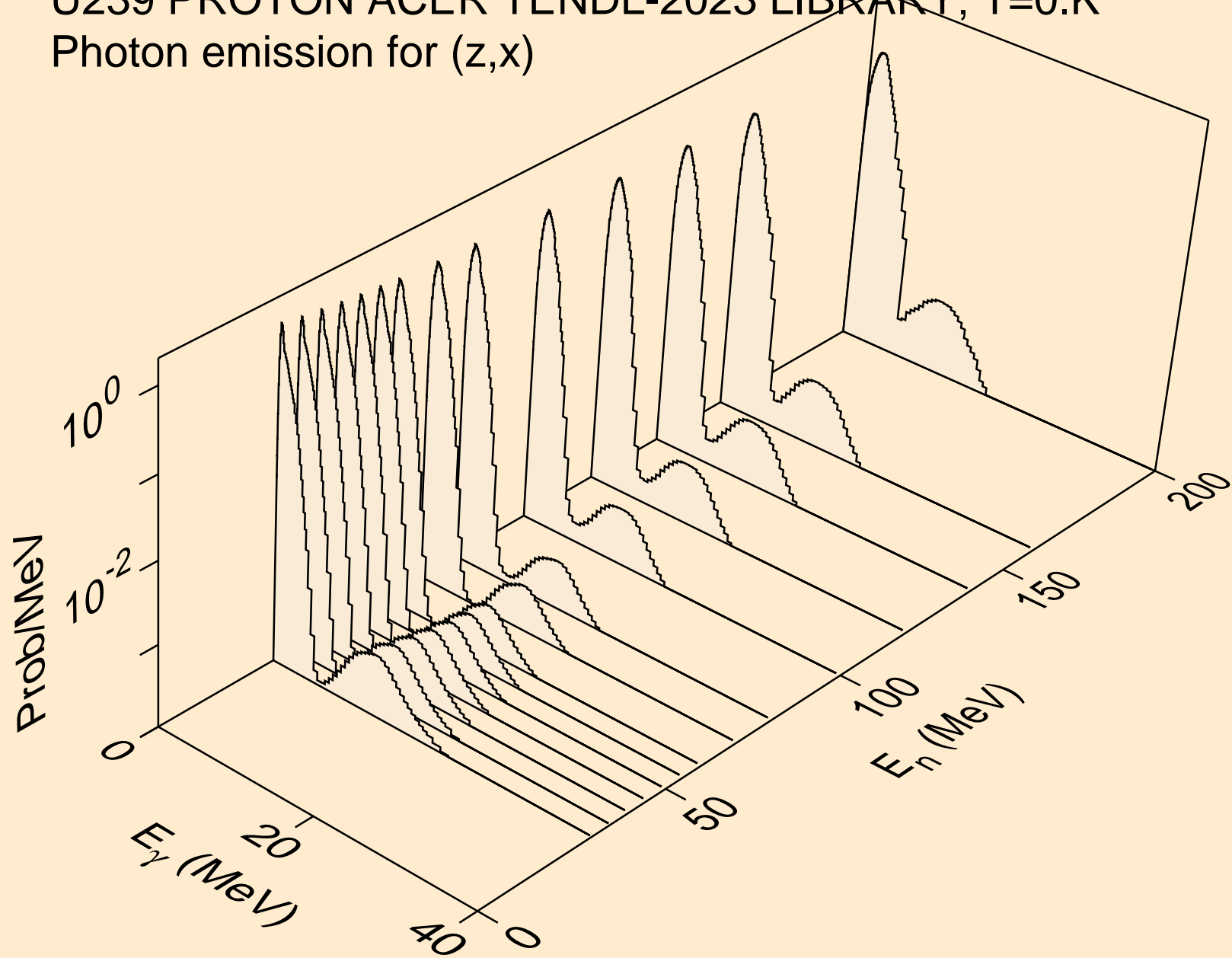
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2p)



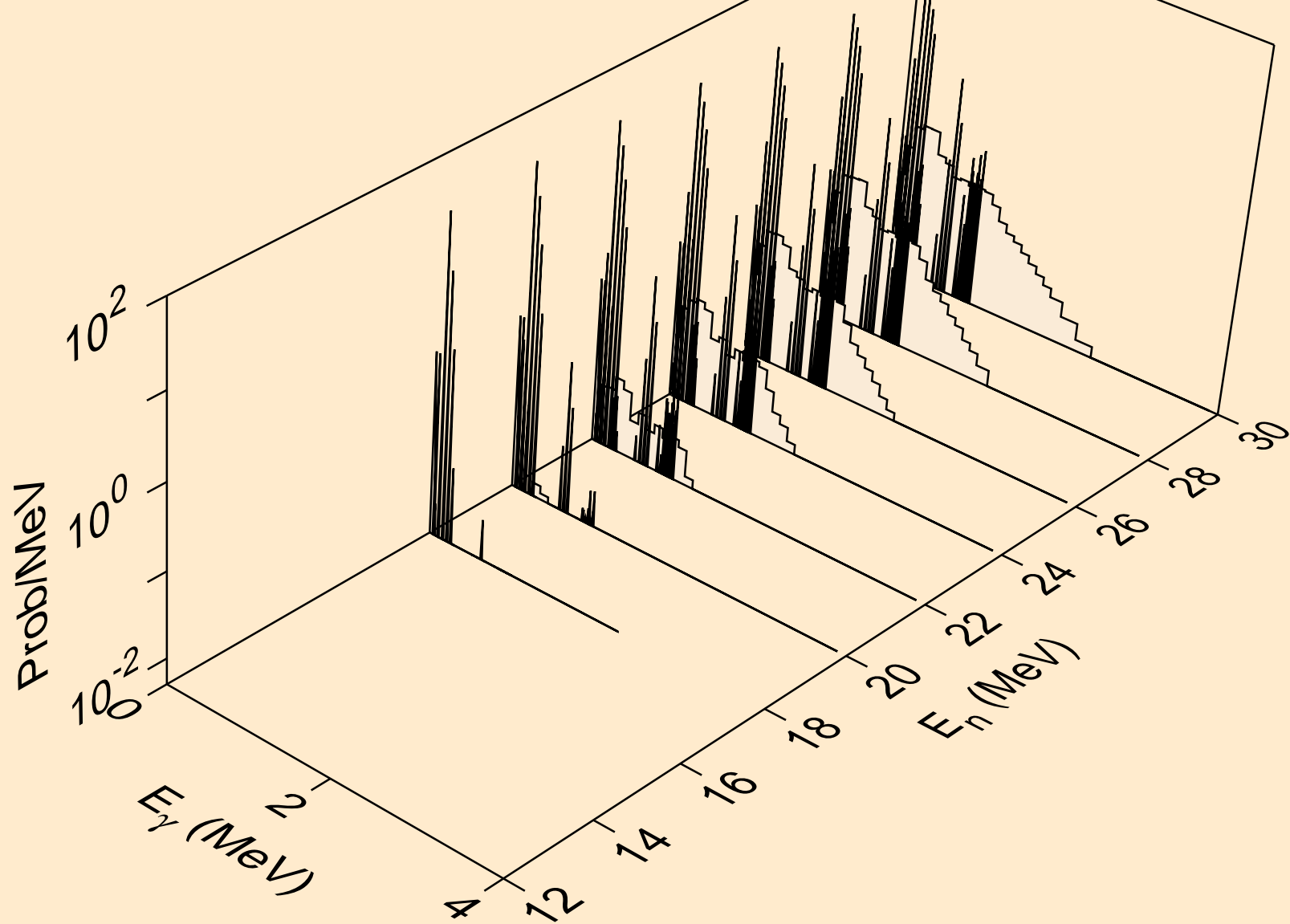
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



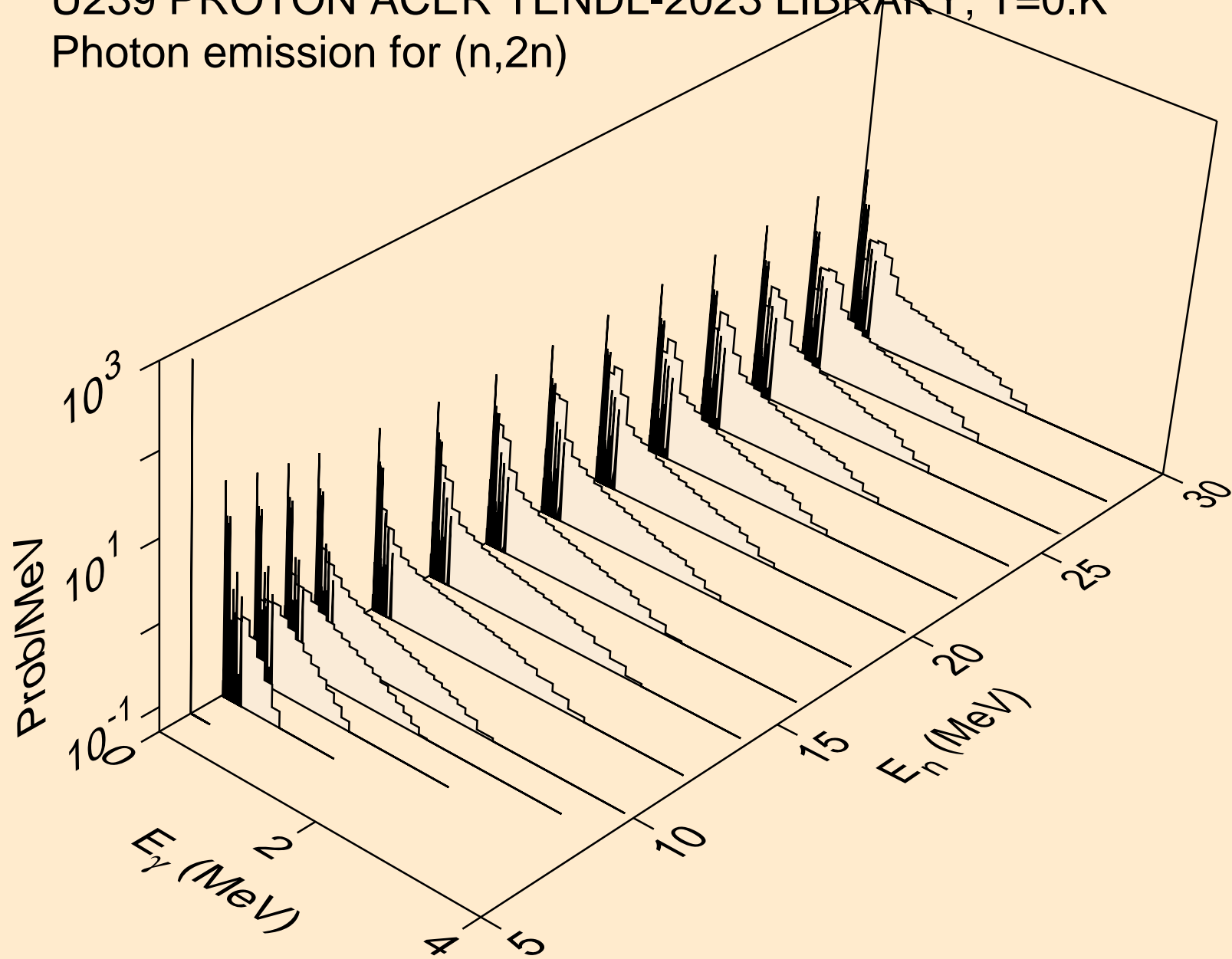
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



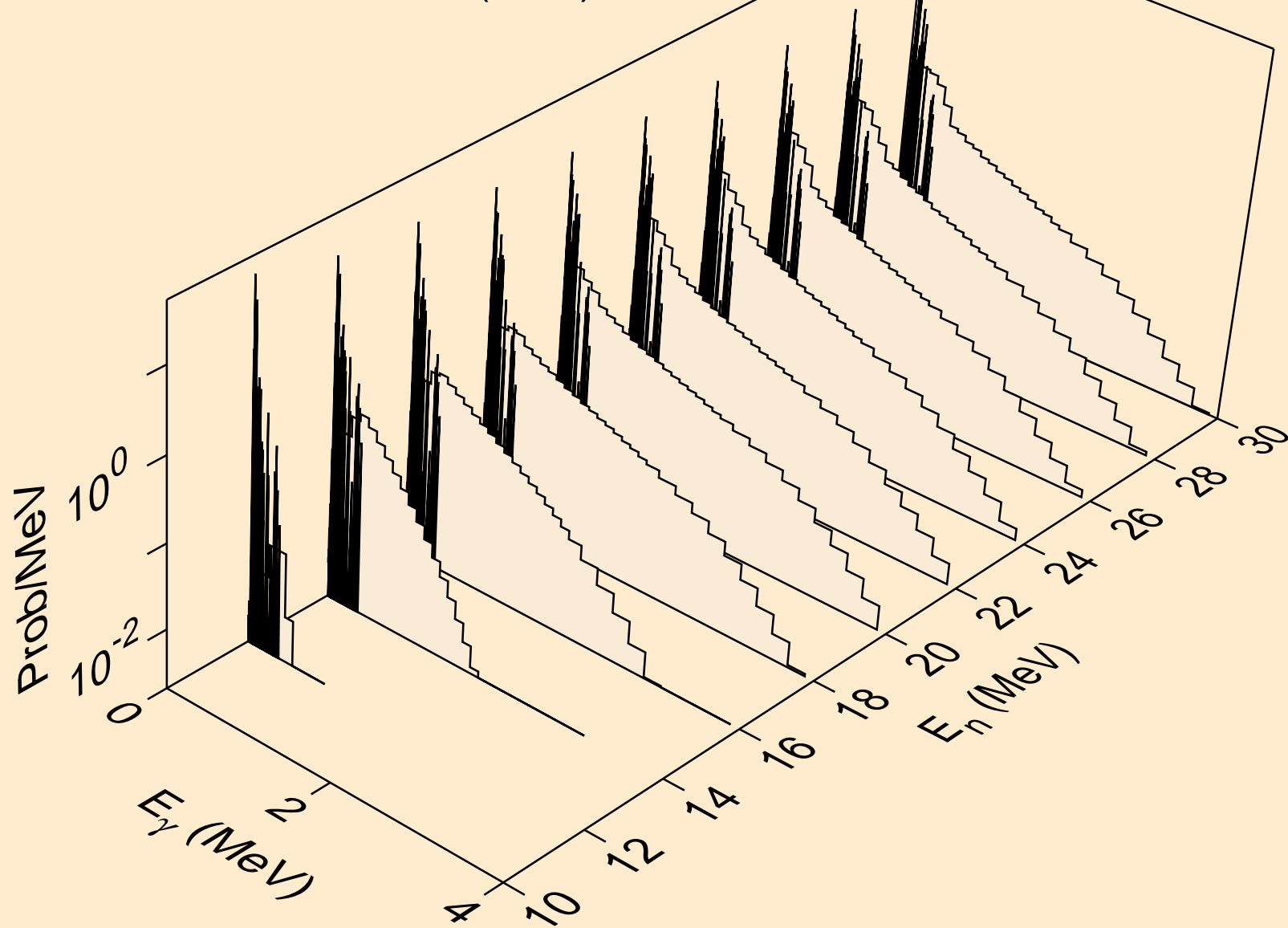
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



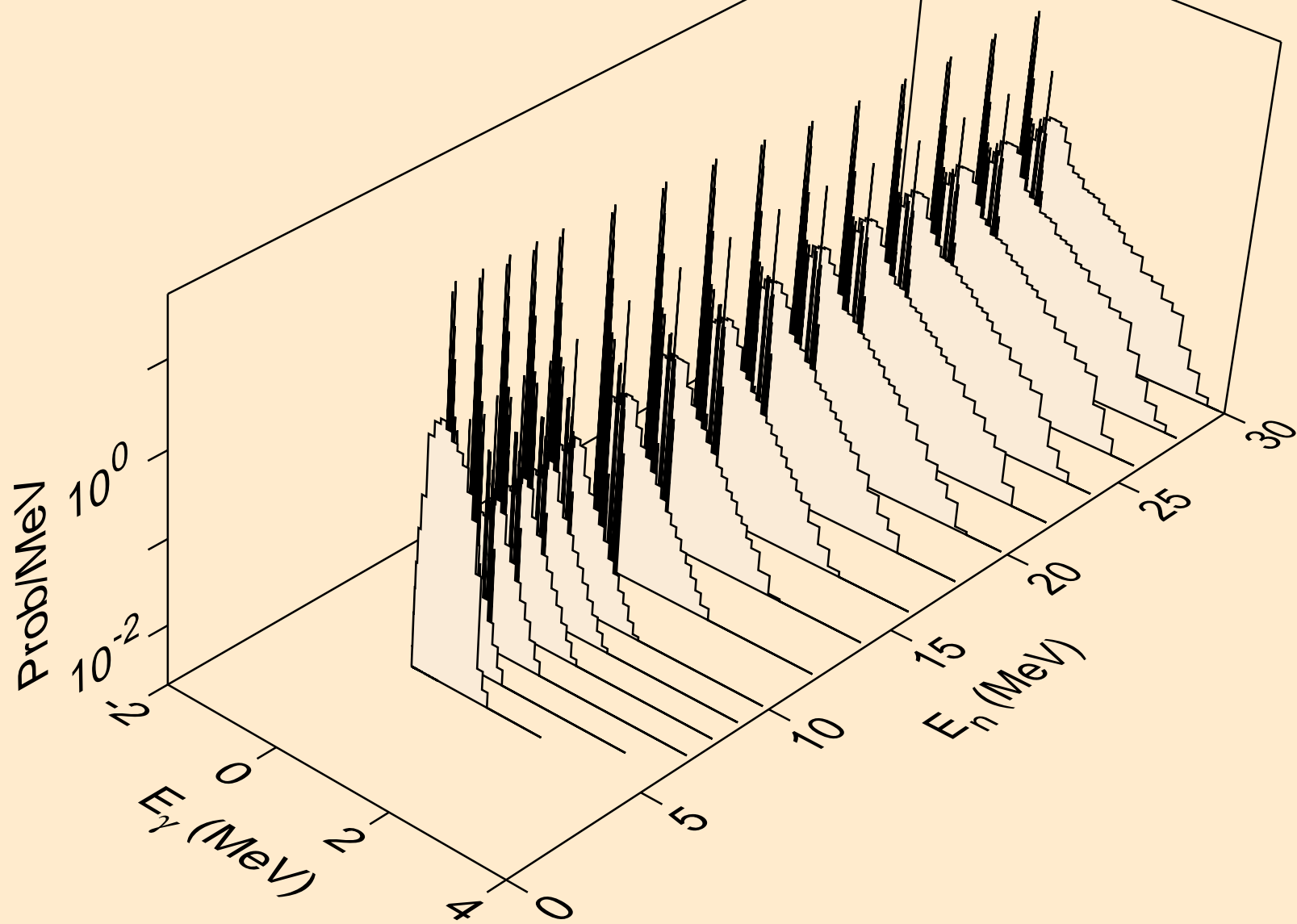
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



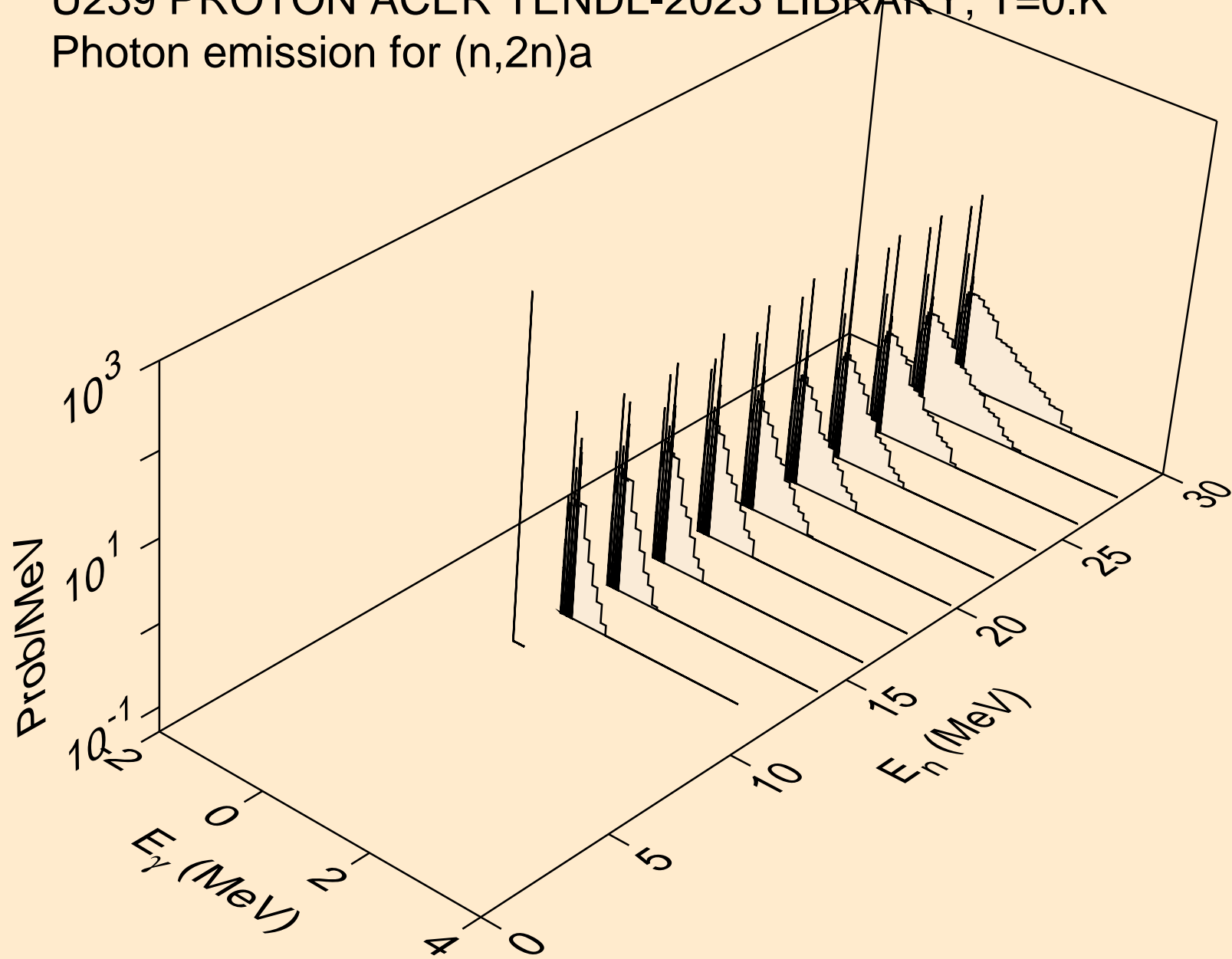
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

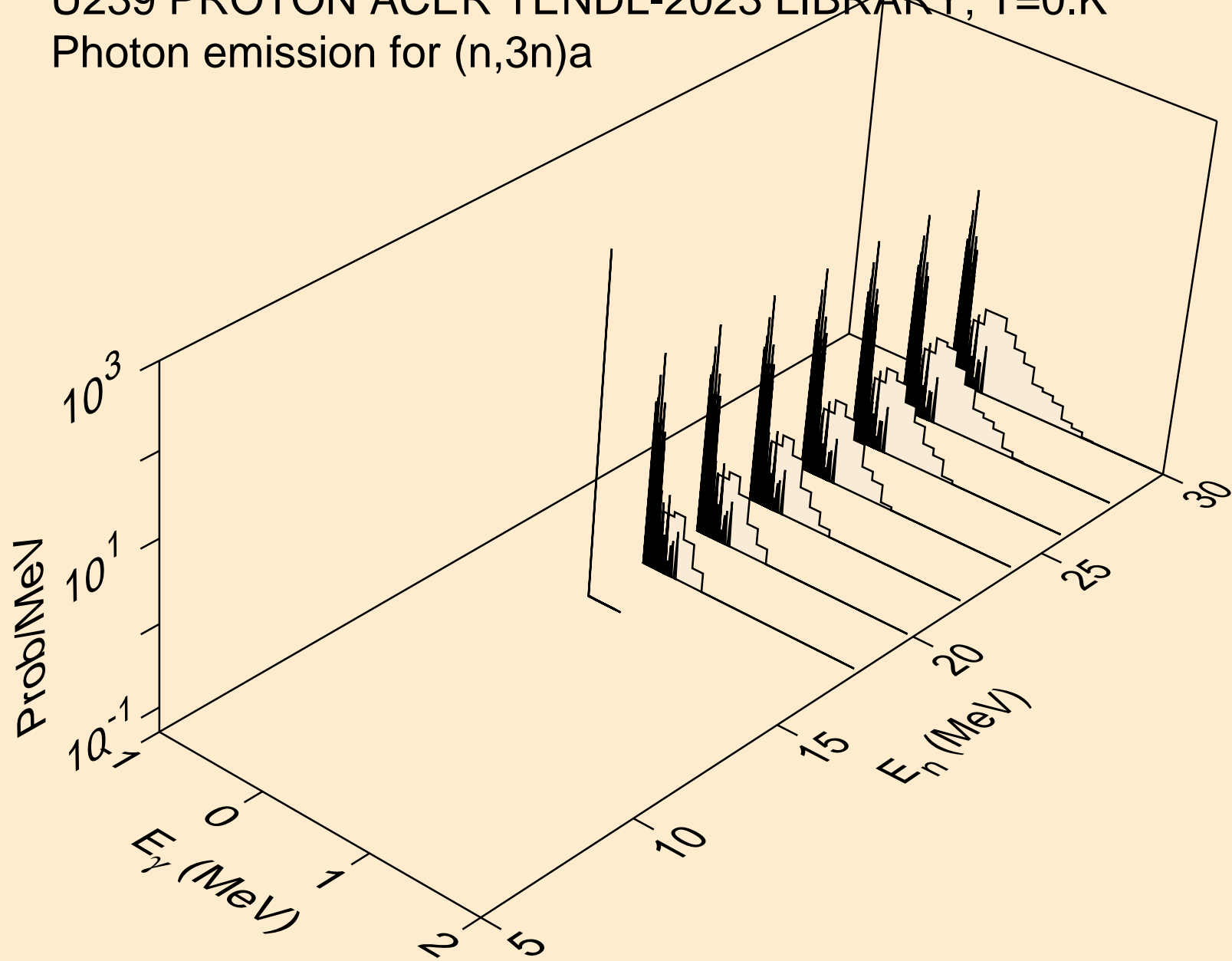


U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

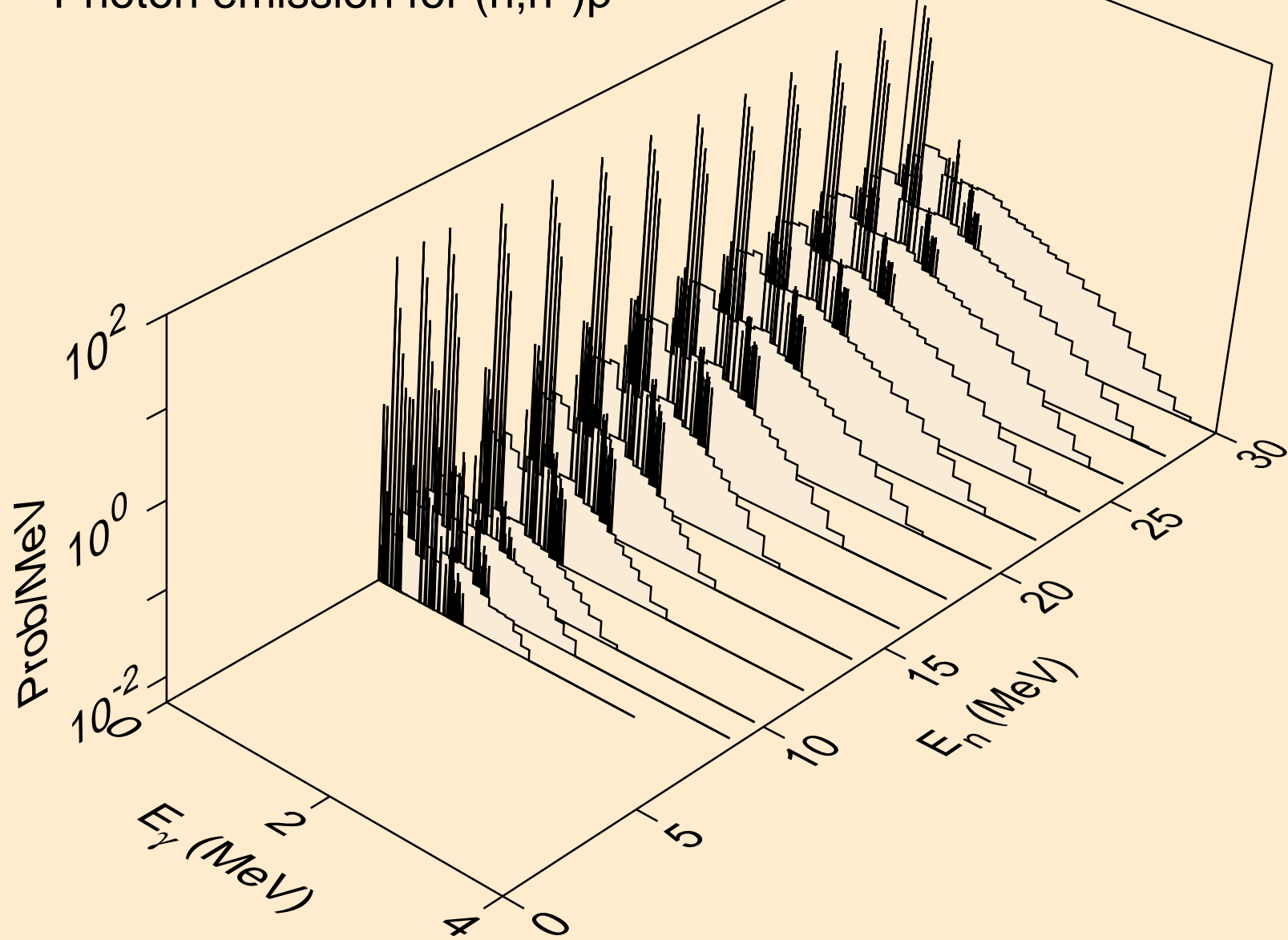




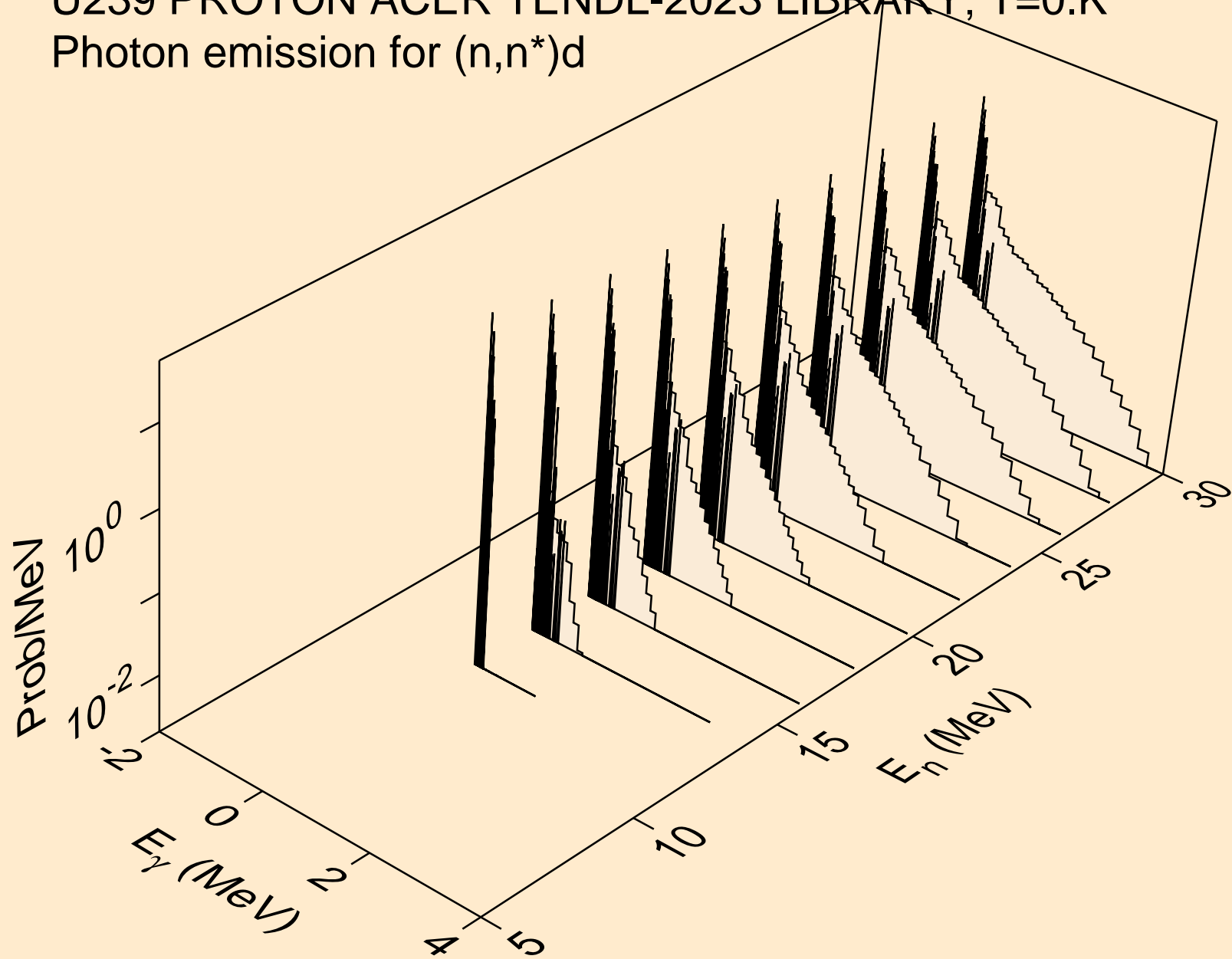
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



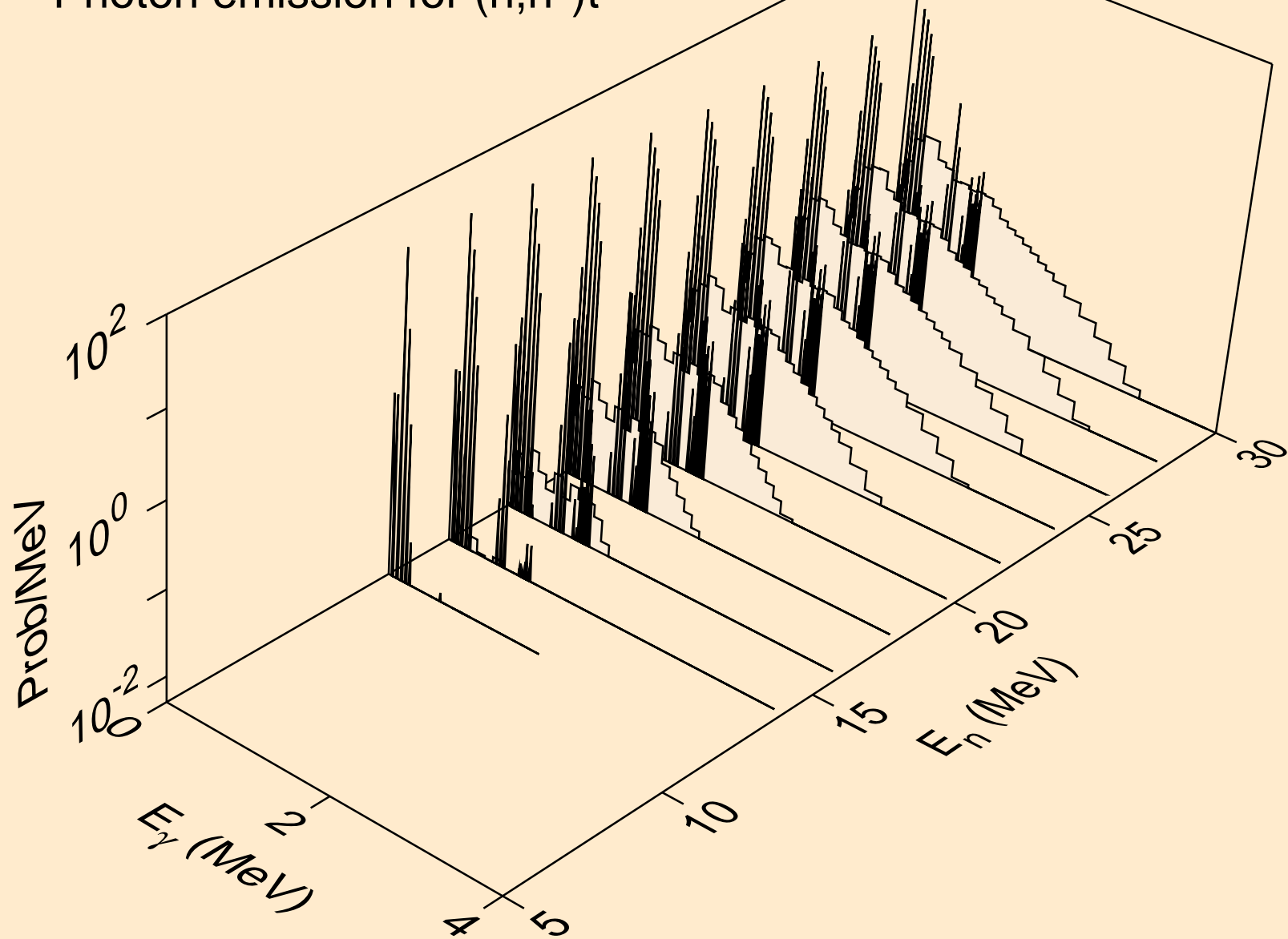
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



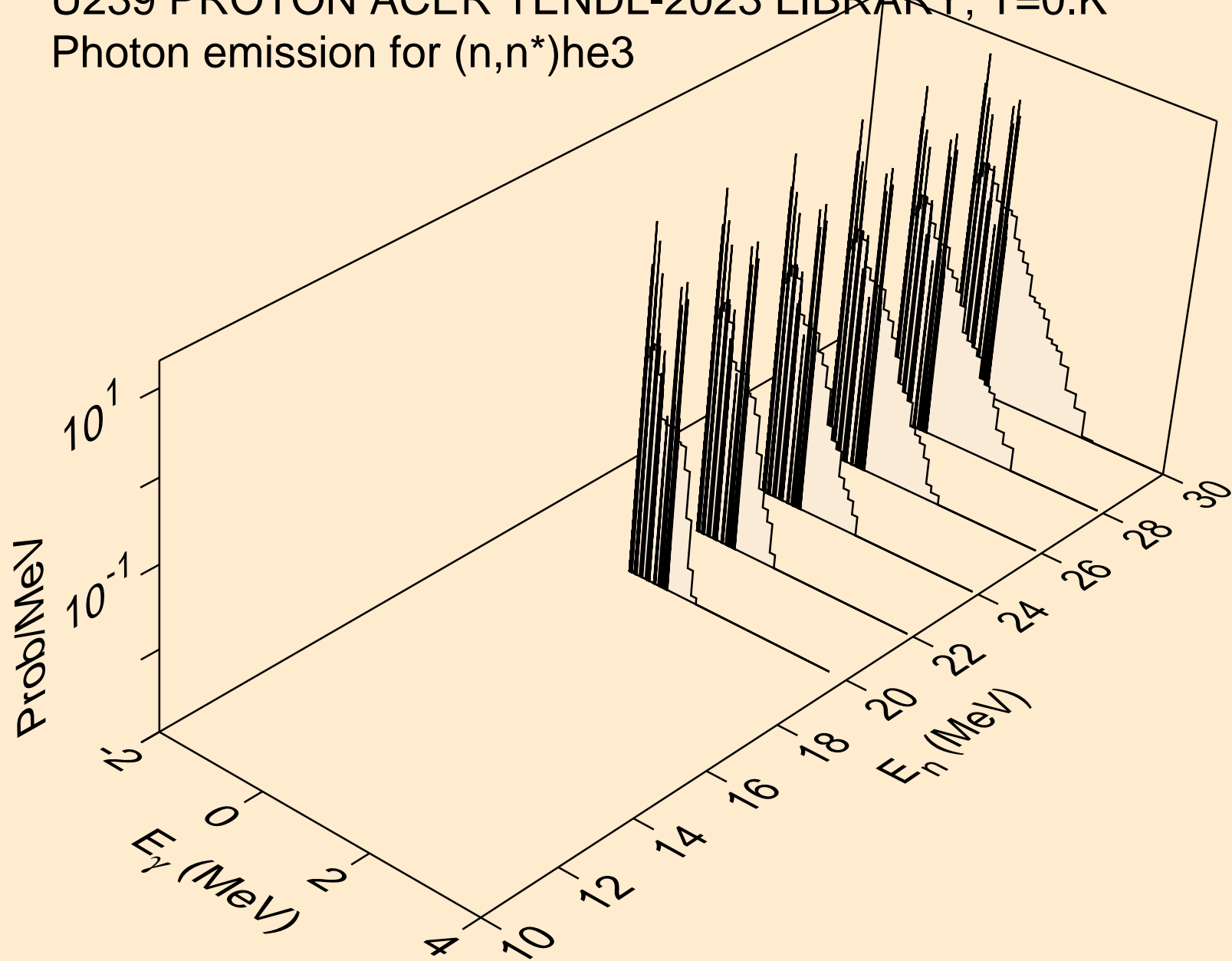
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



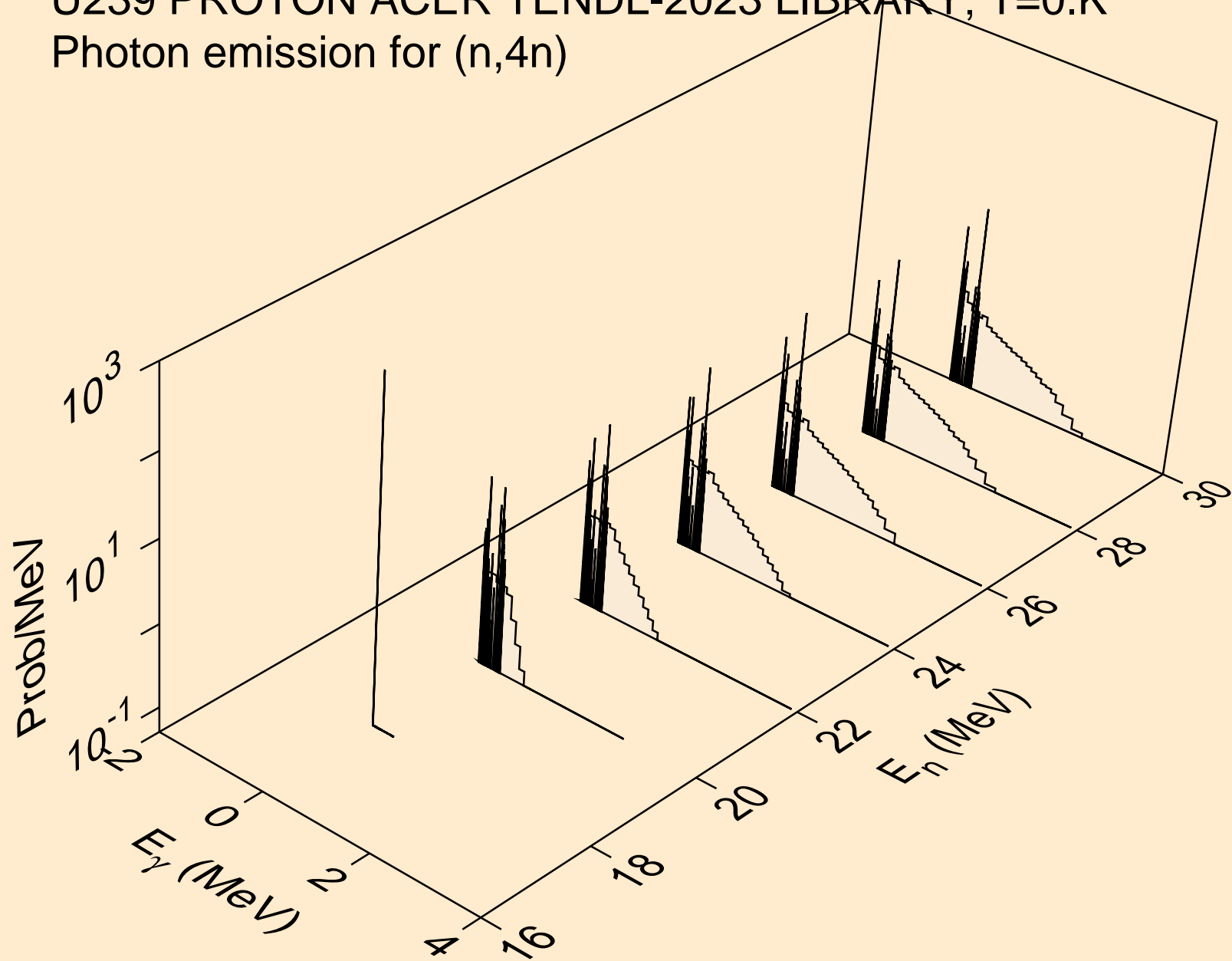
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



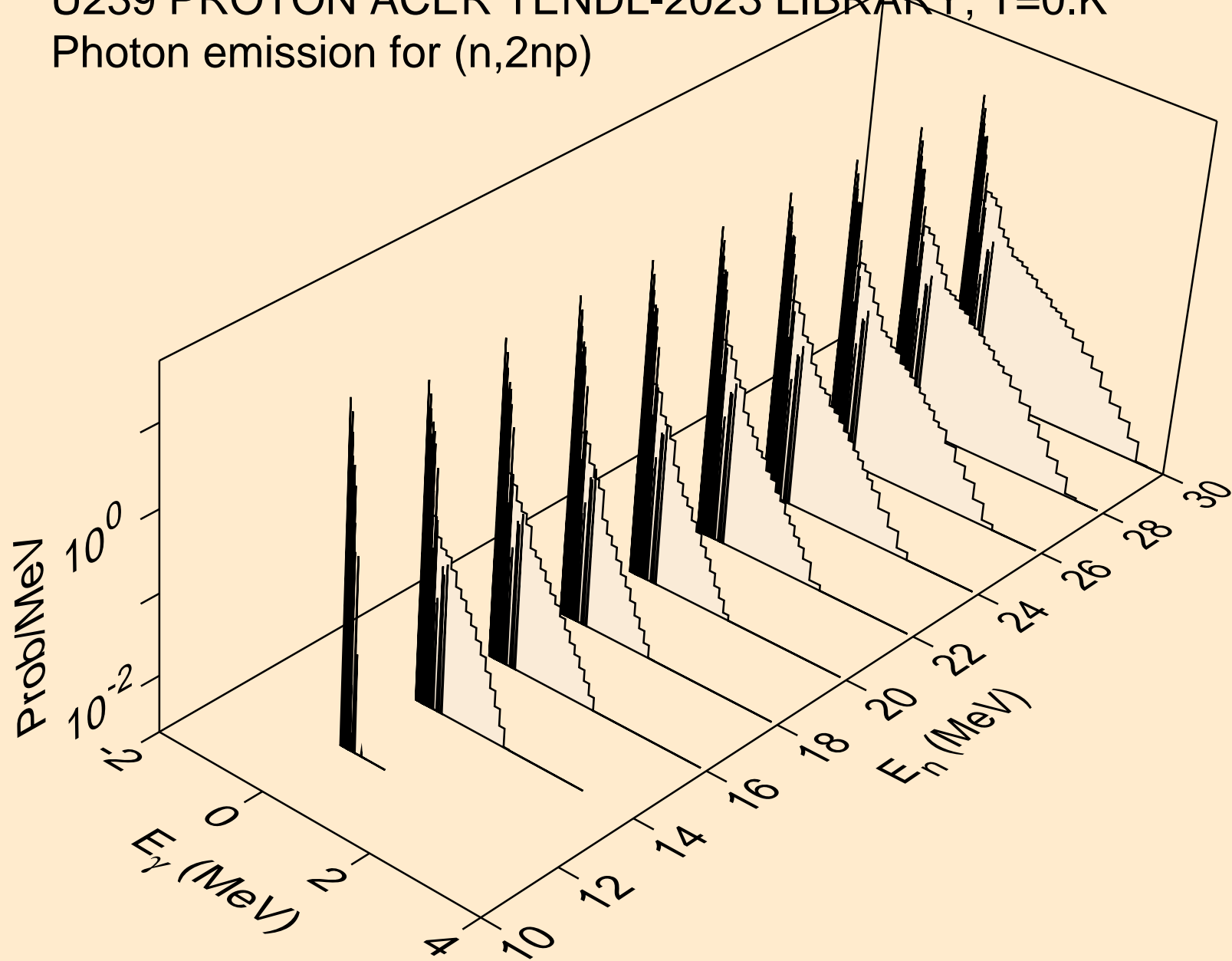
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



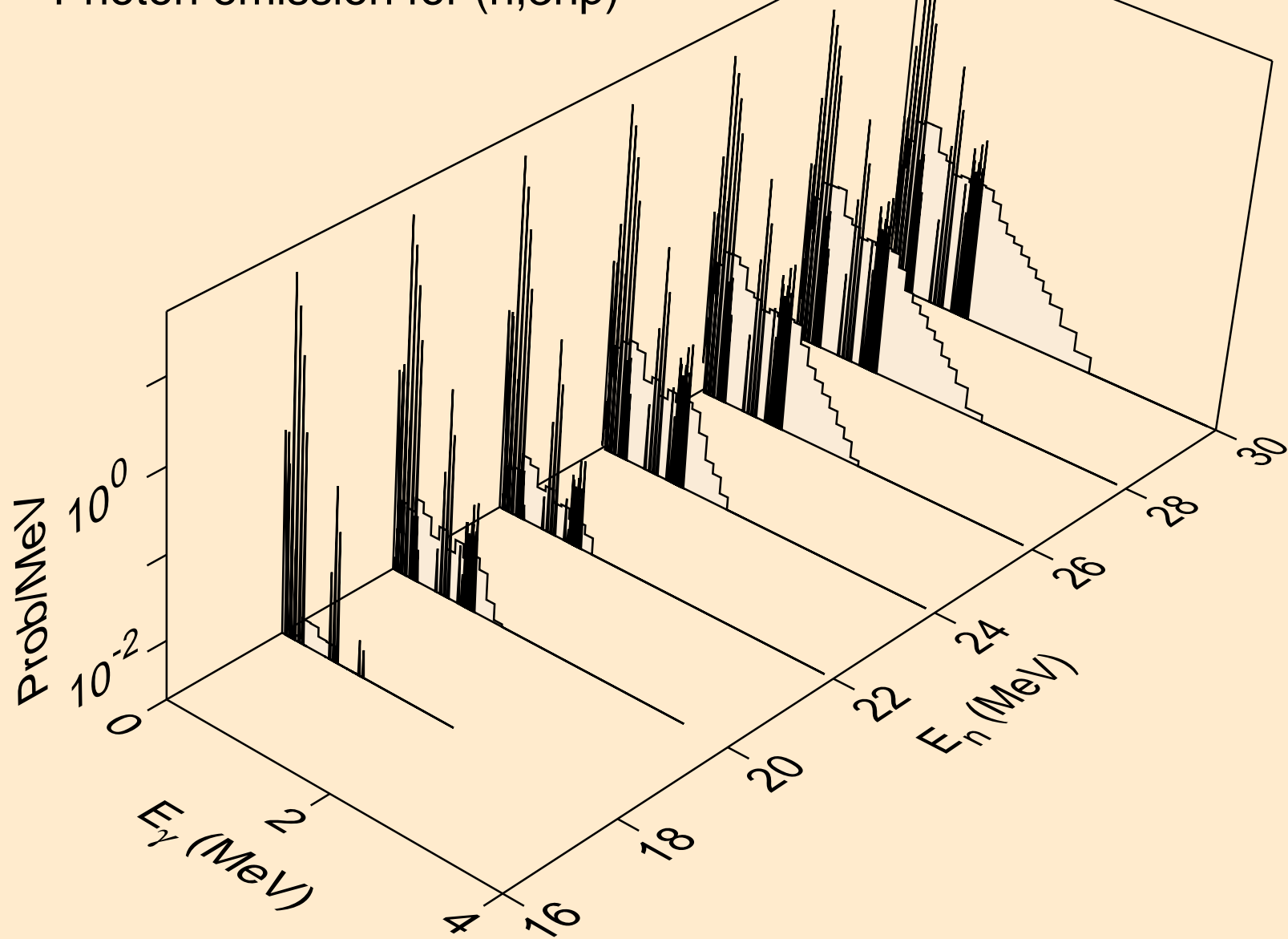
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

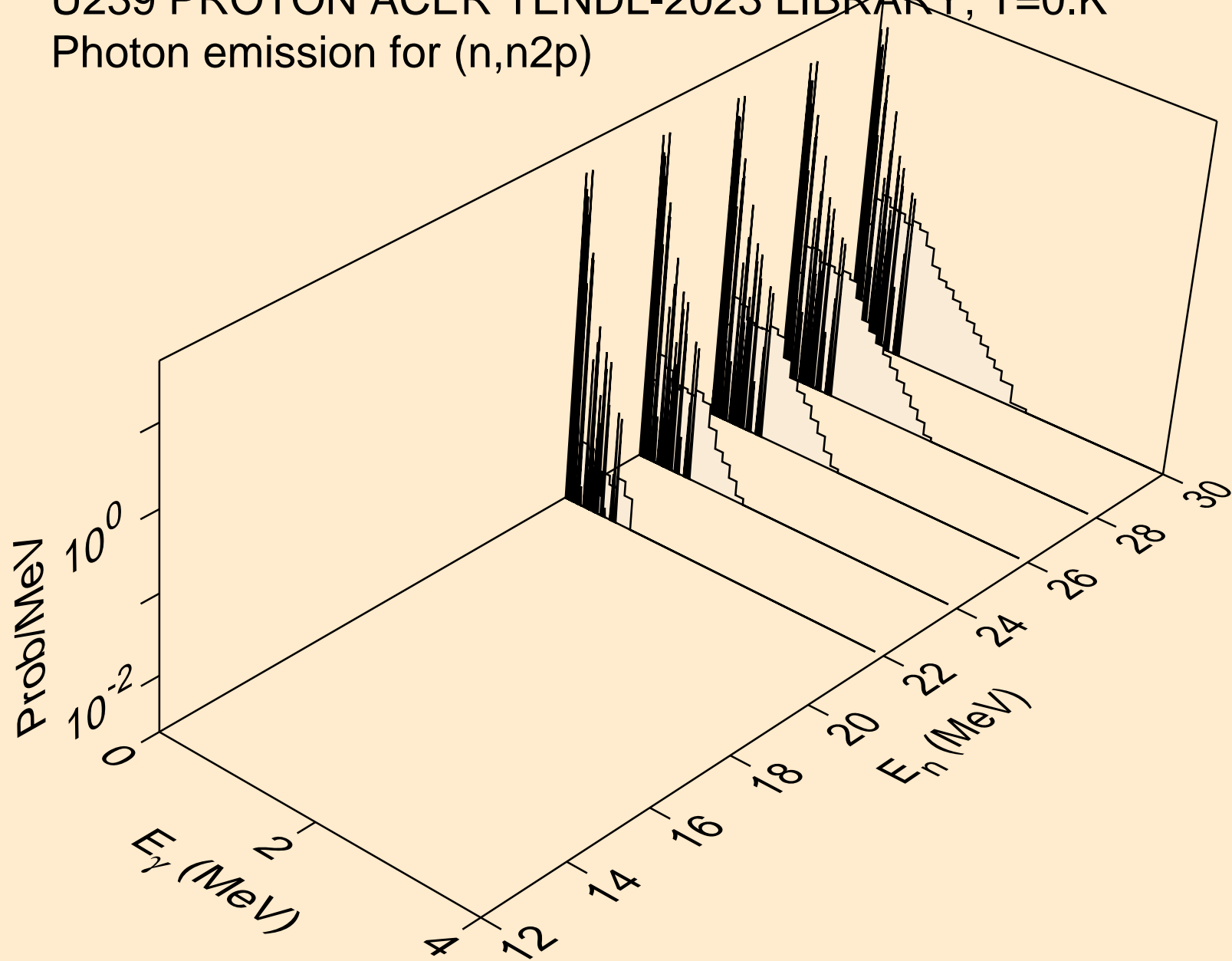


U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)

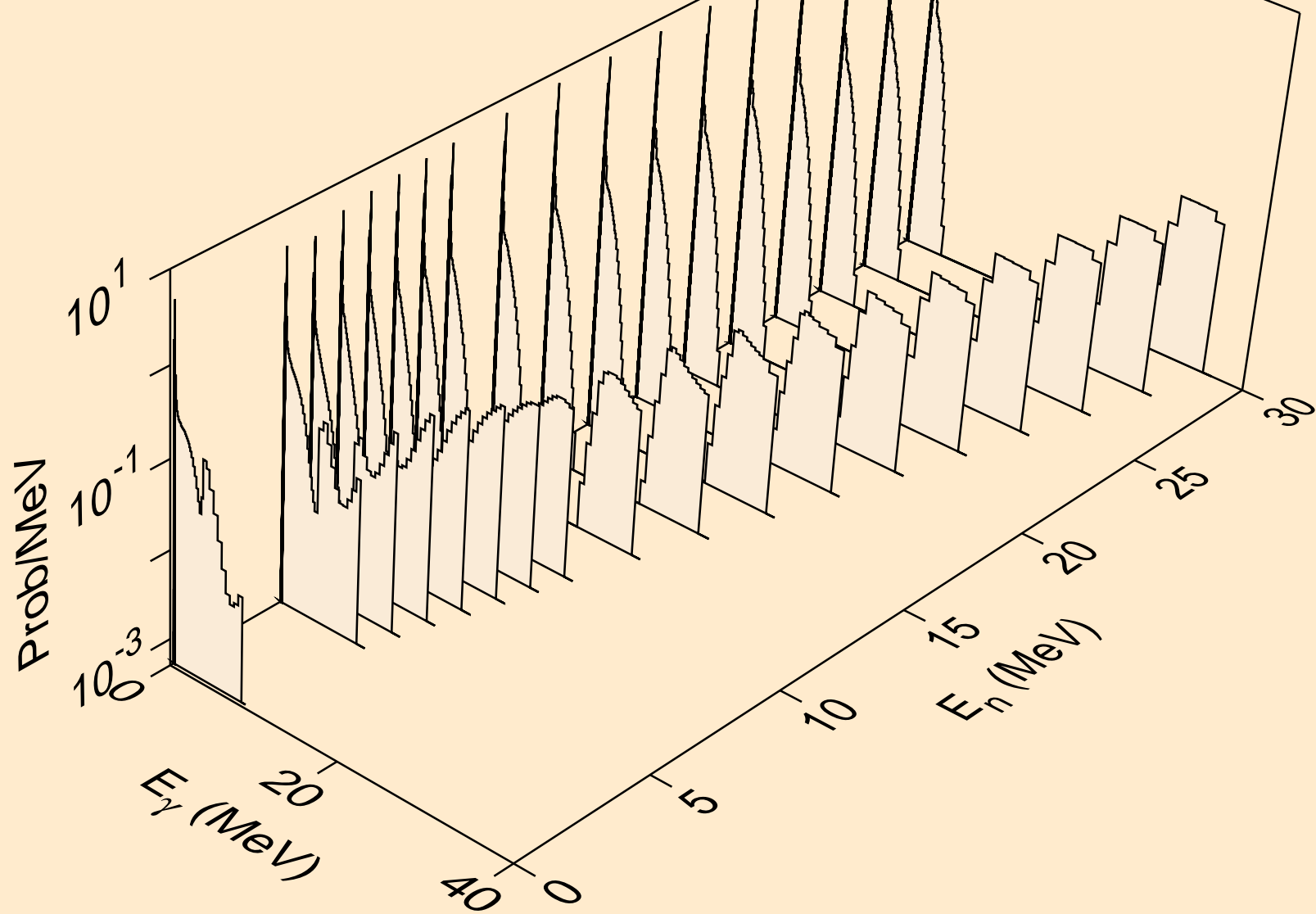




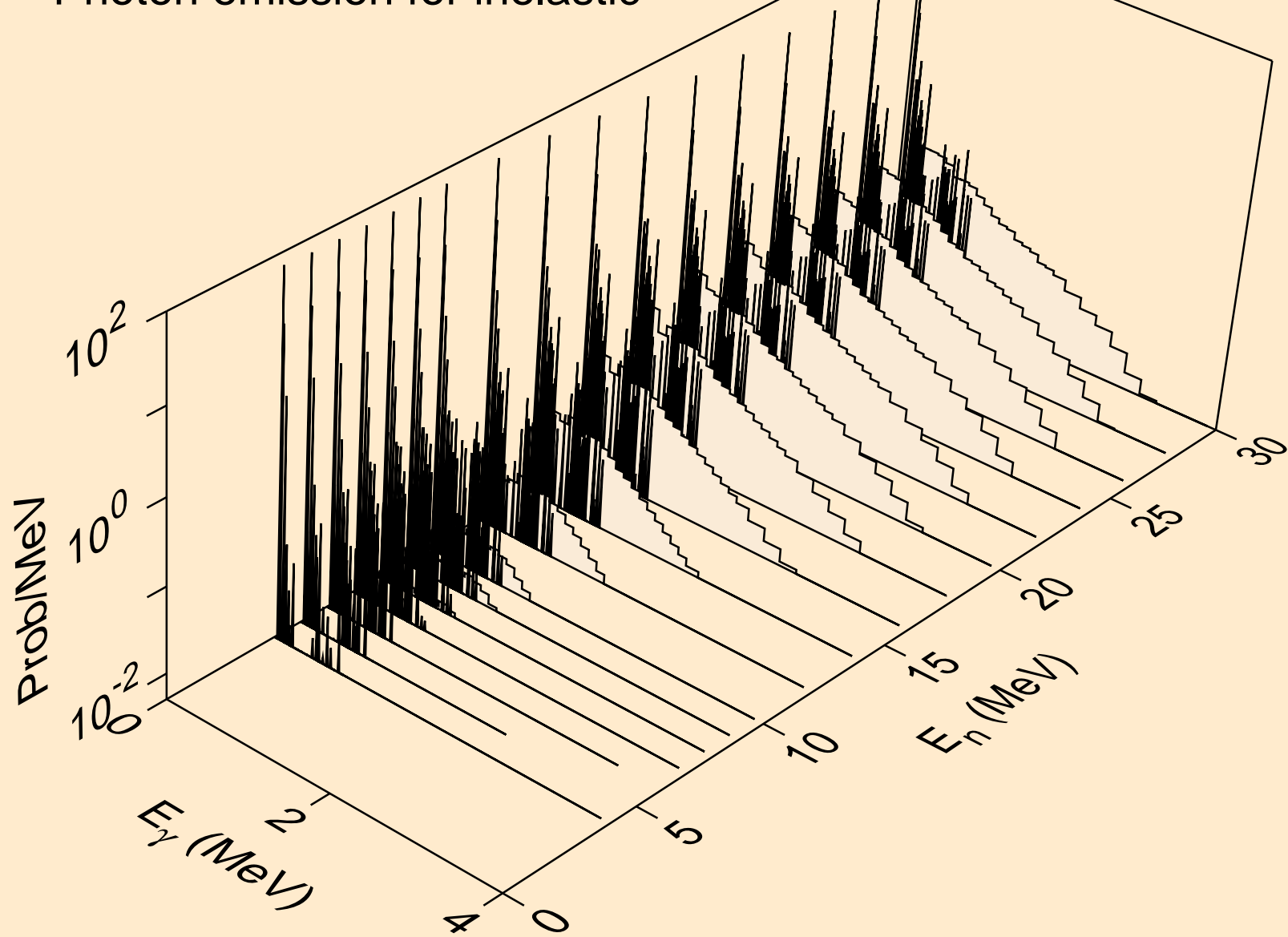
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



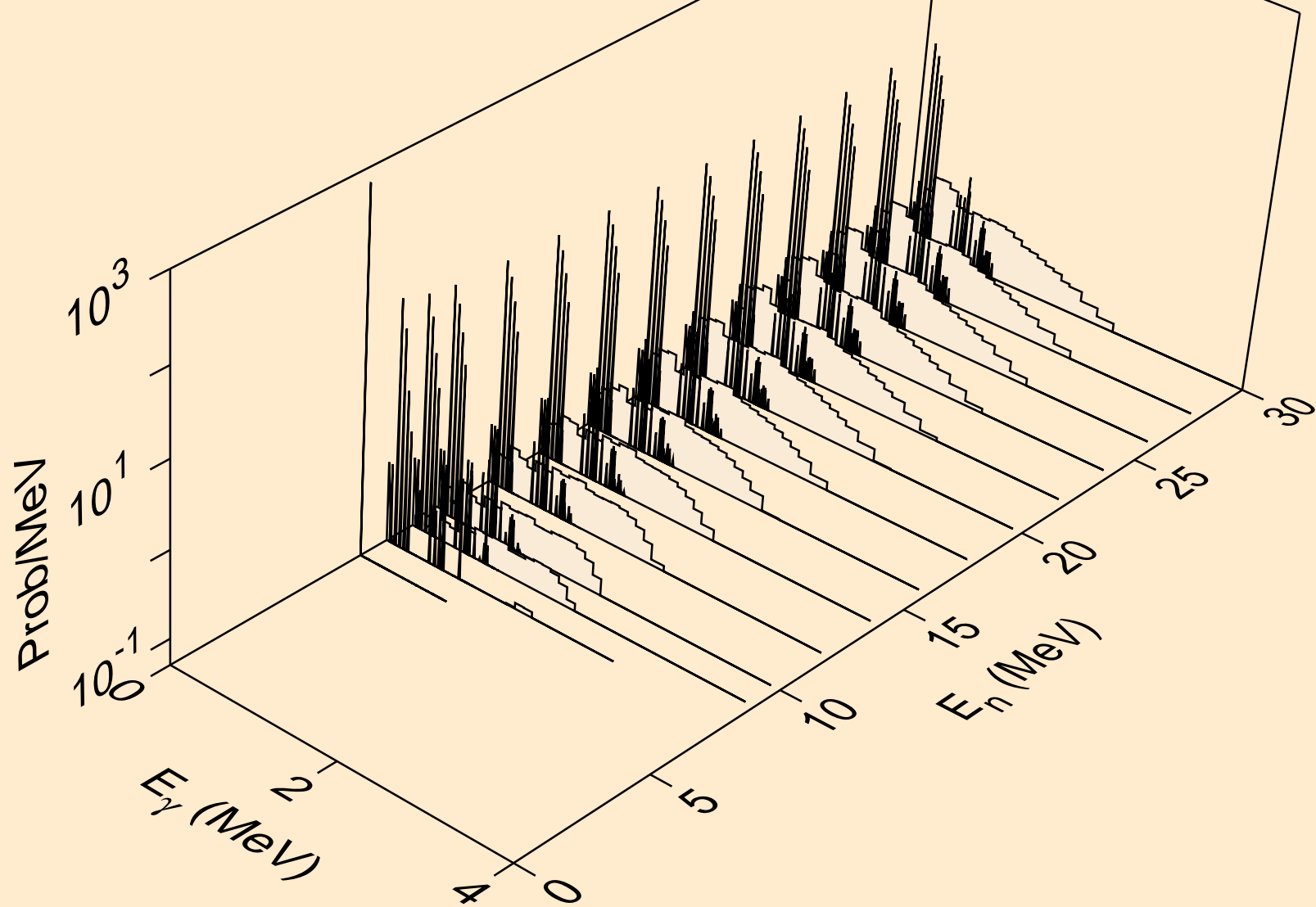
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



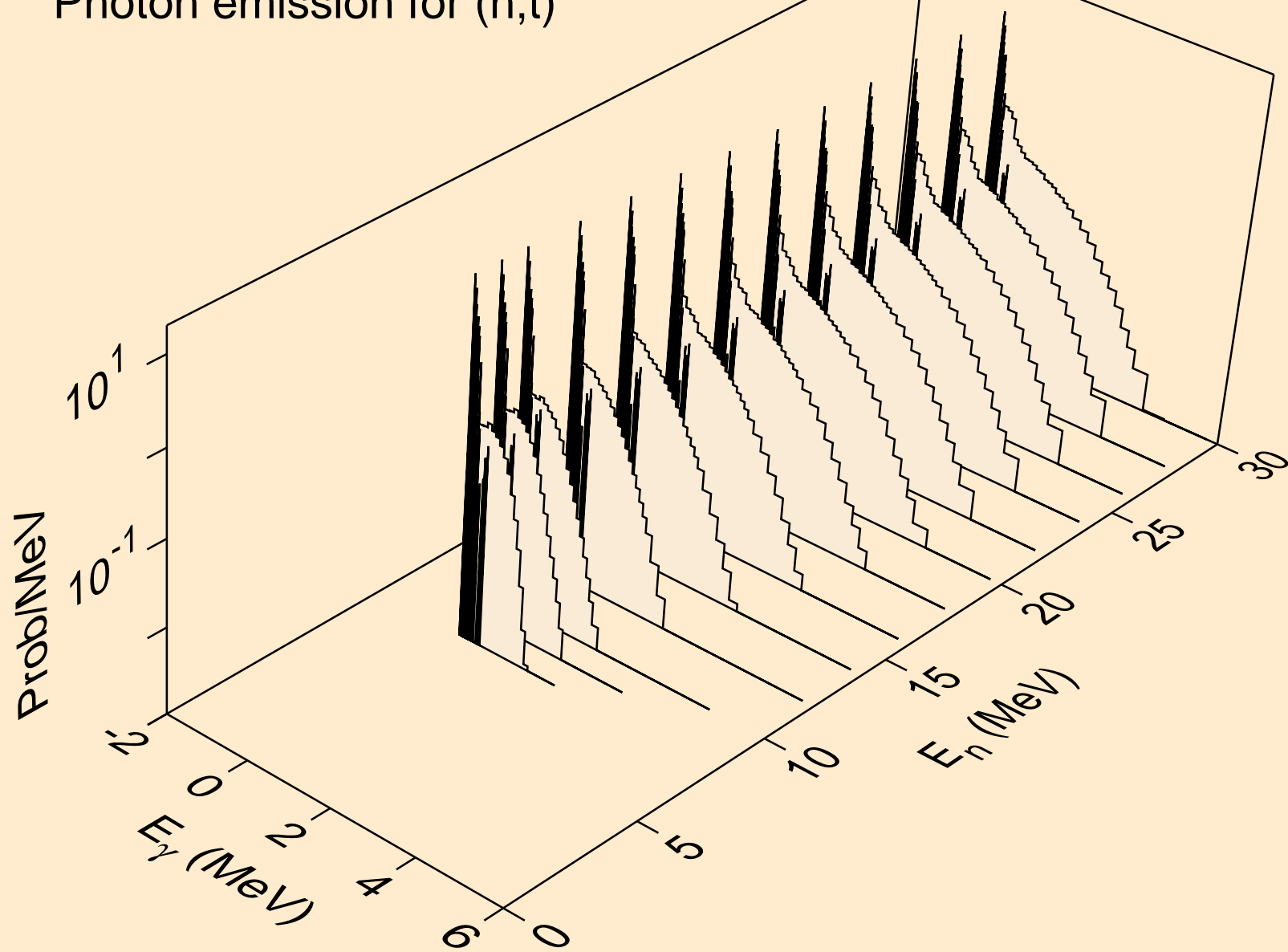
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



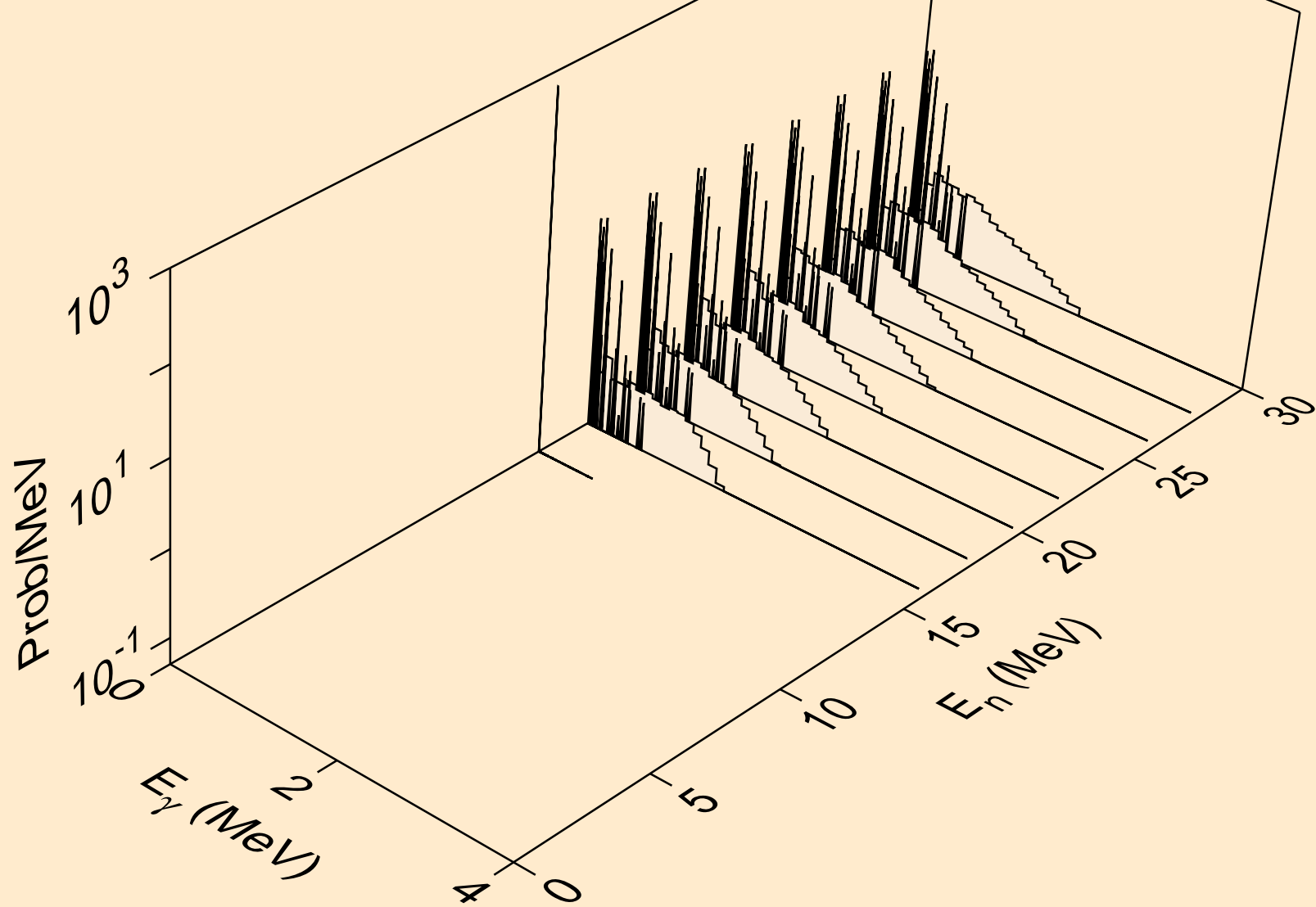
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



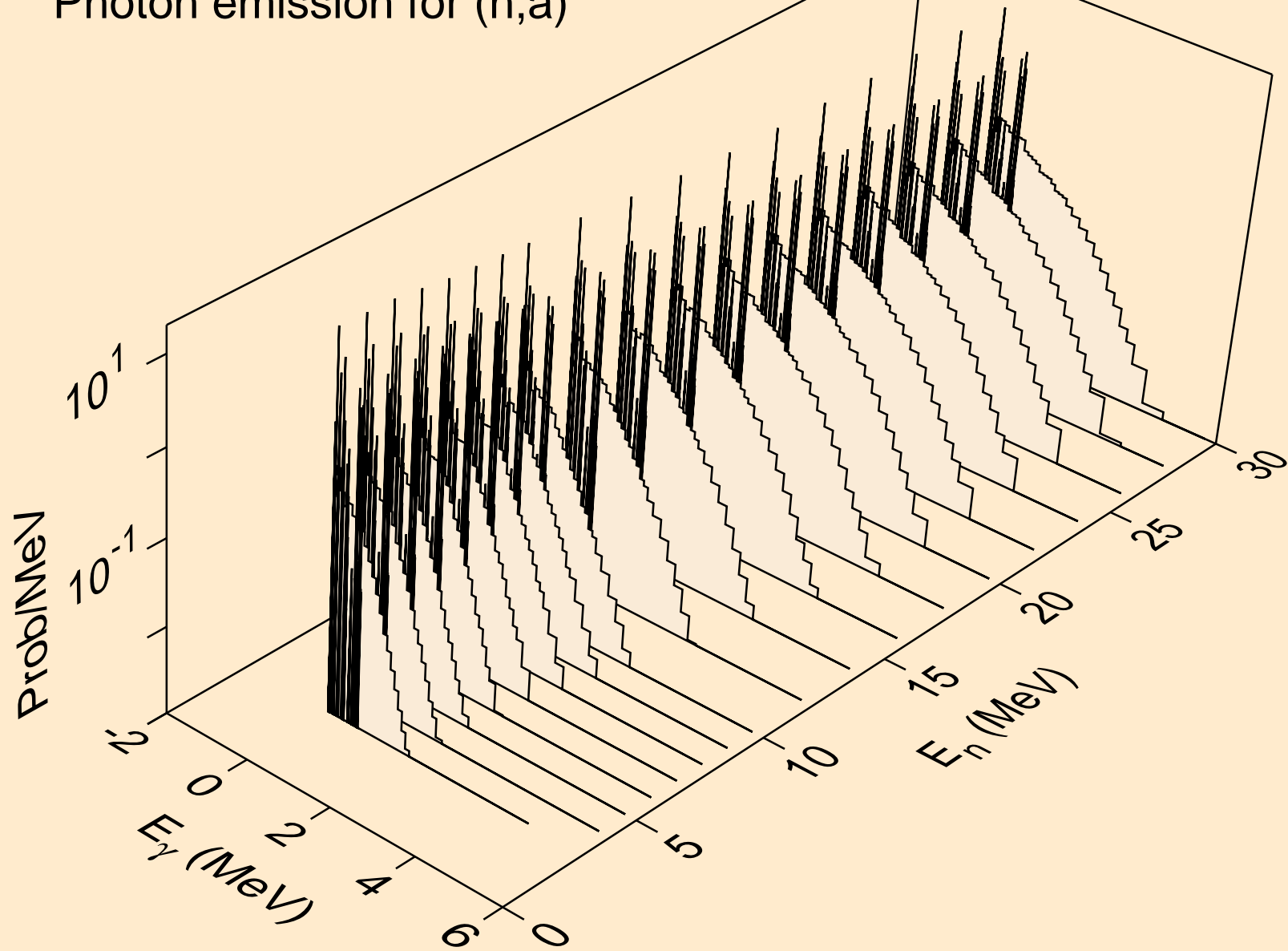
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



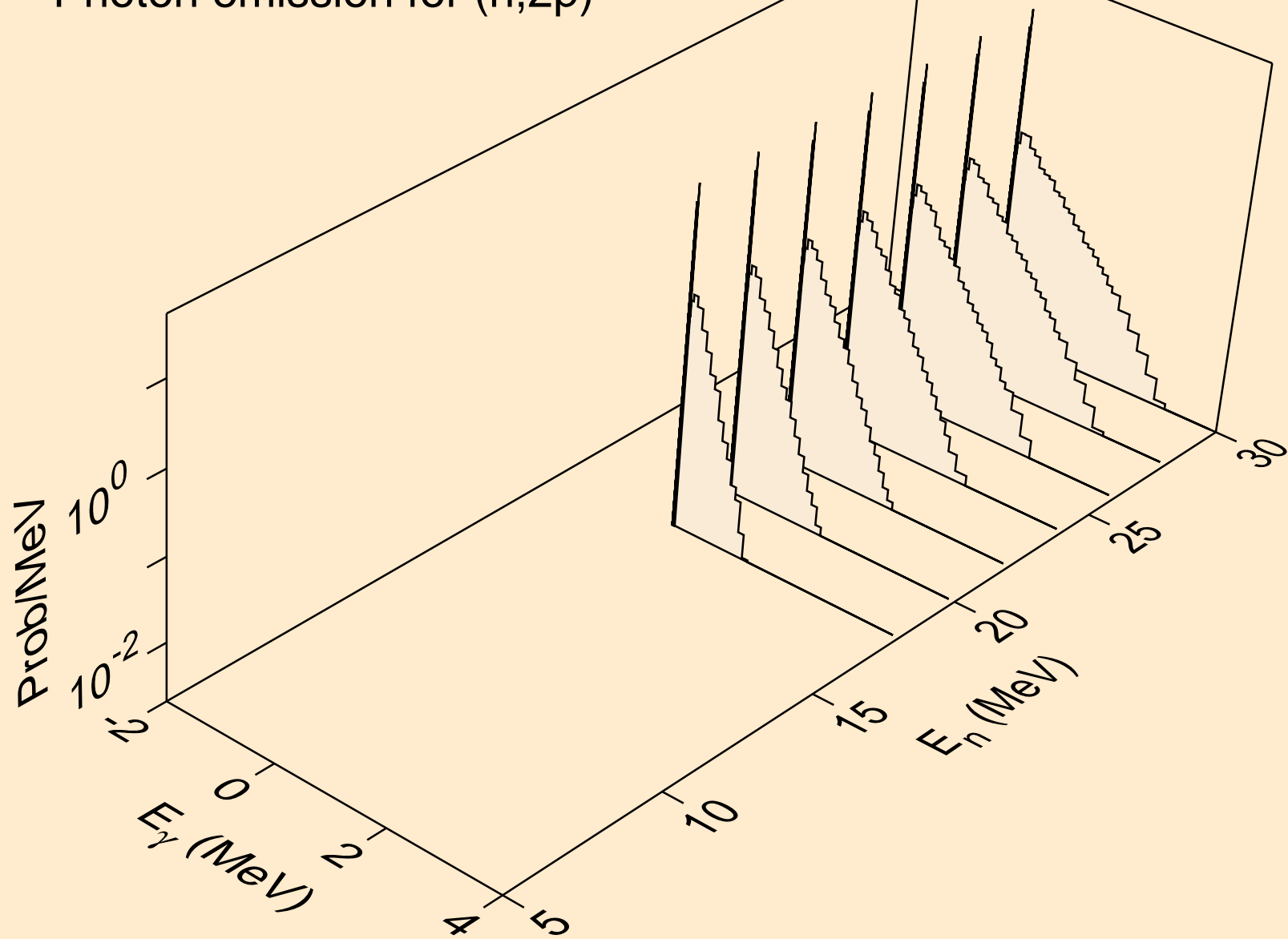
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

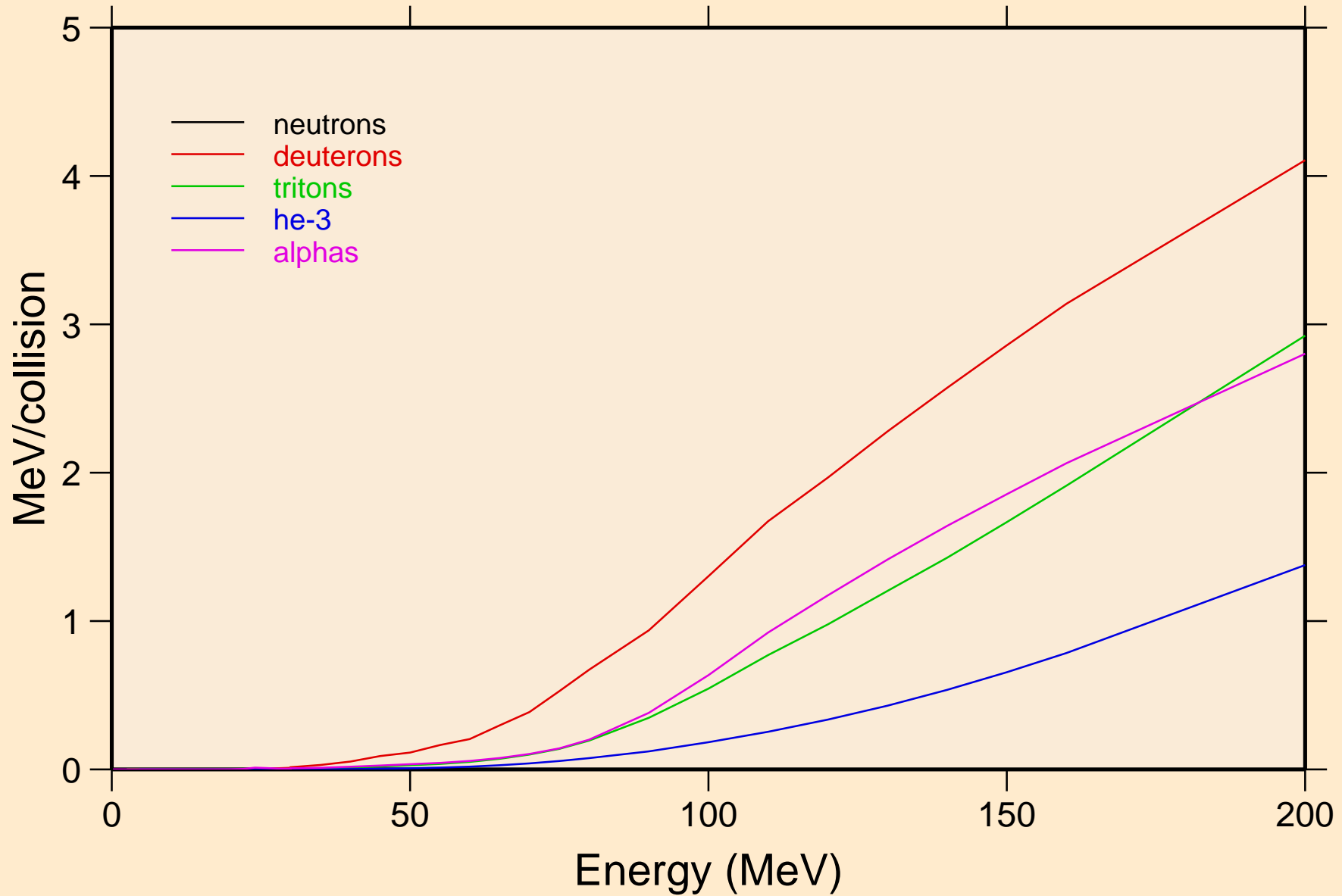


U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)

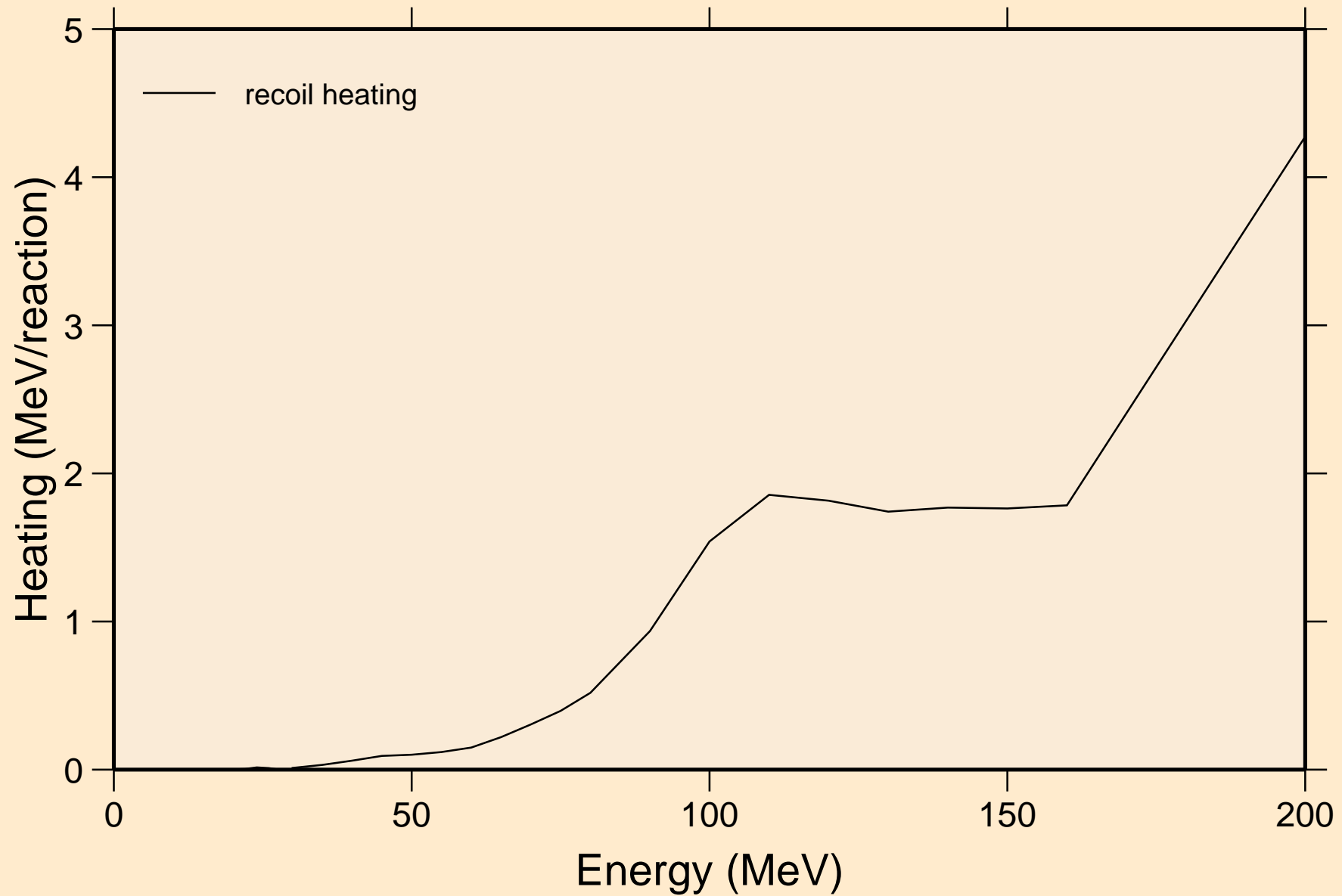




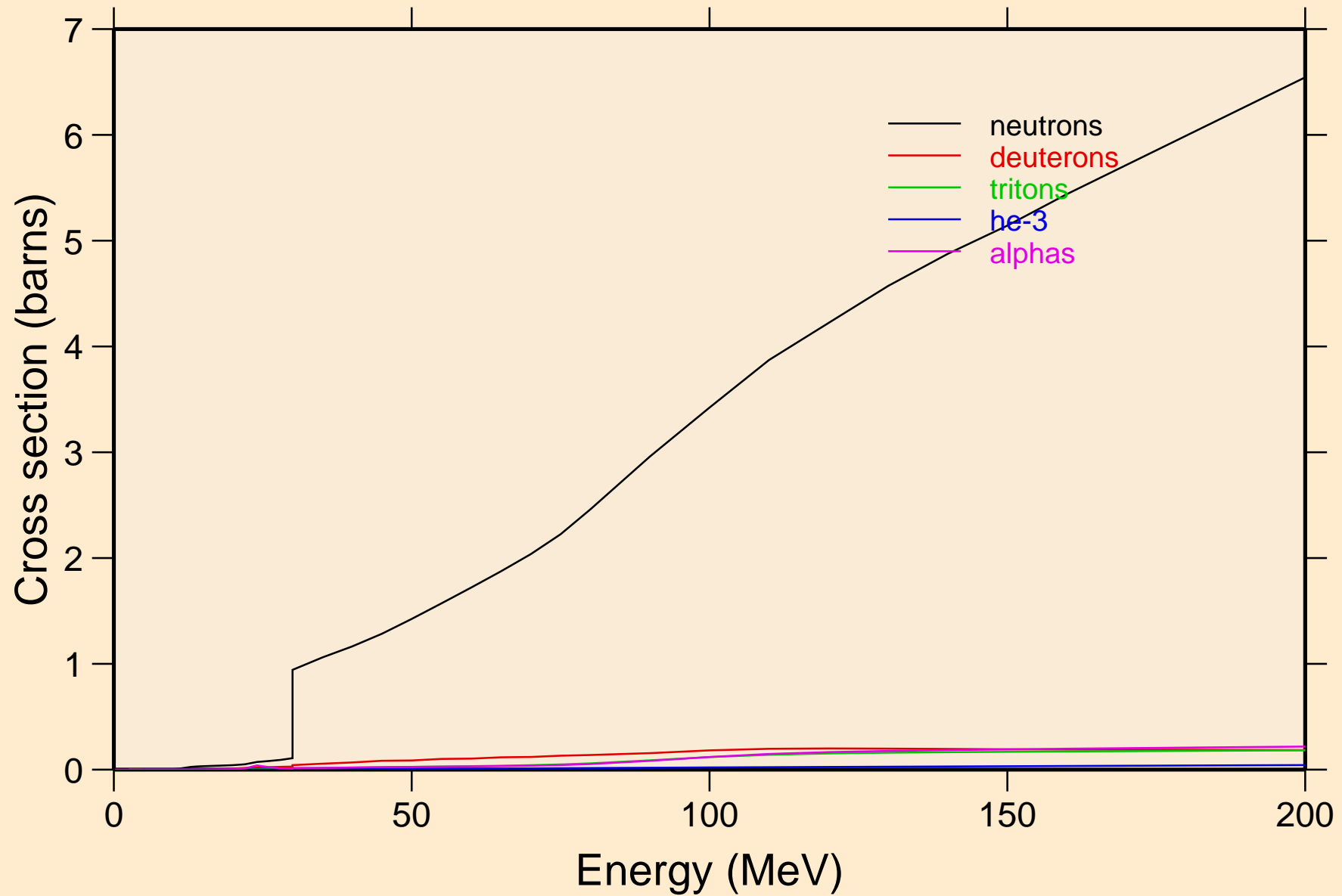
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions



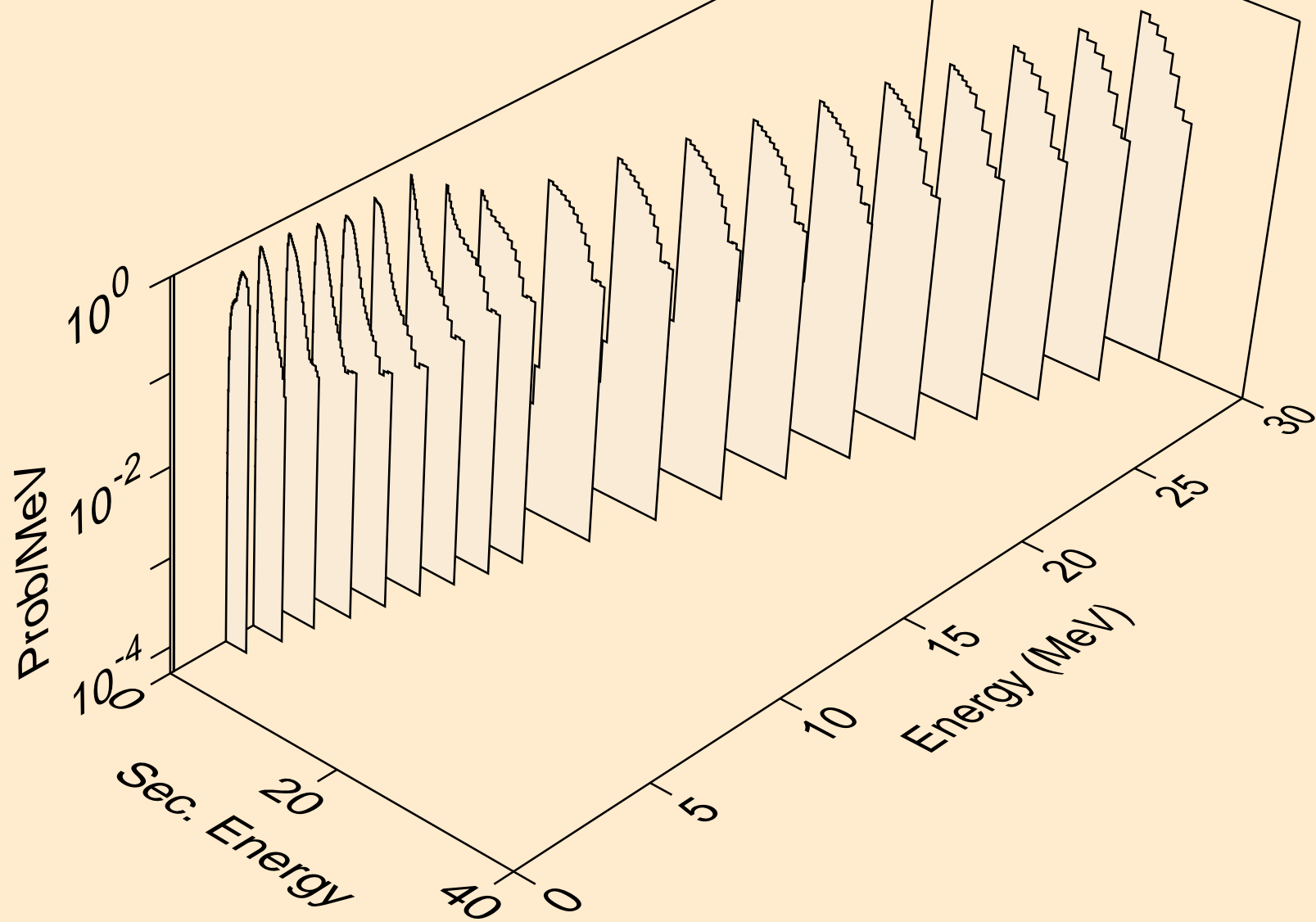
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



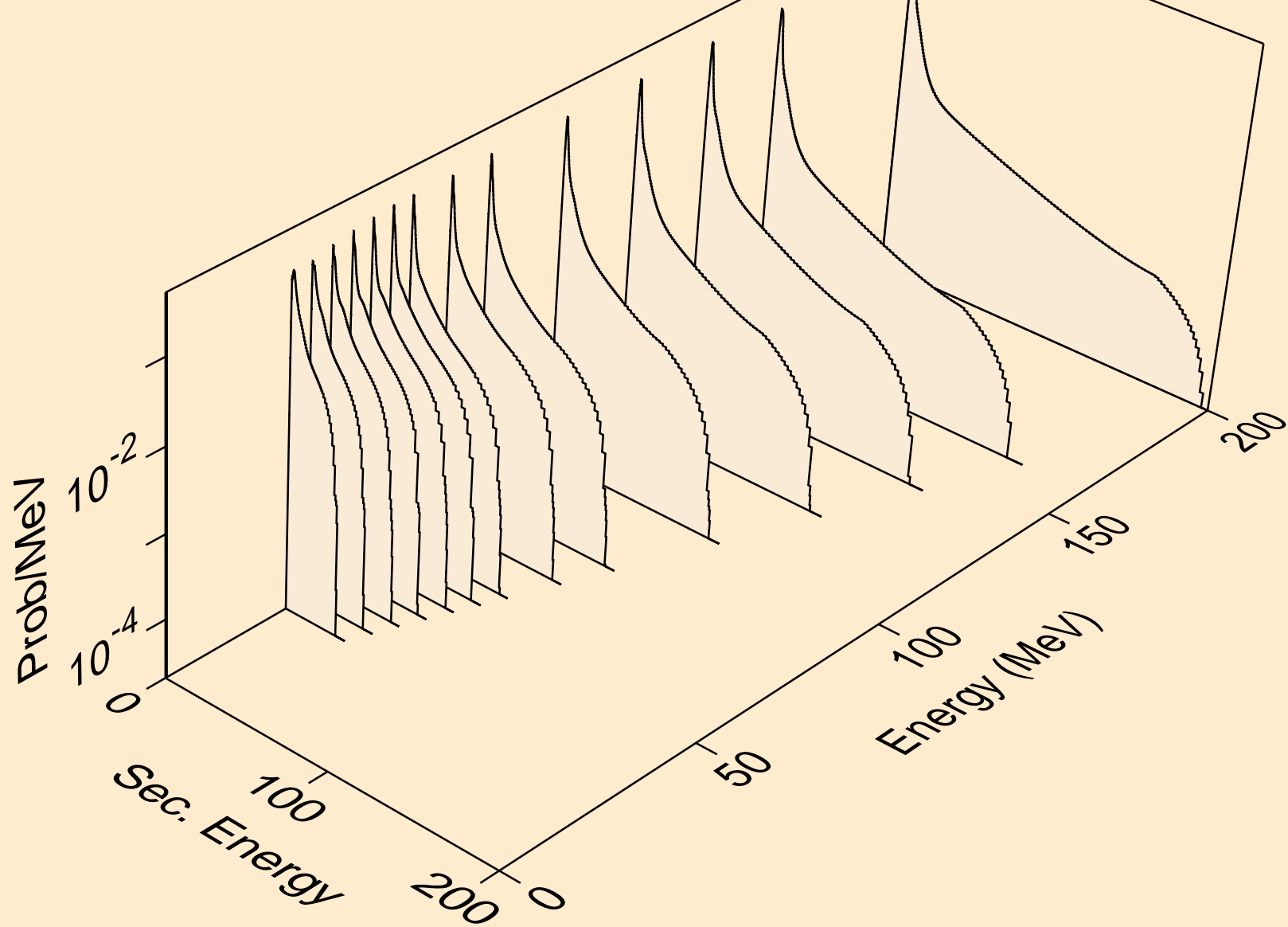
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



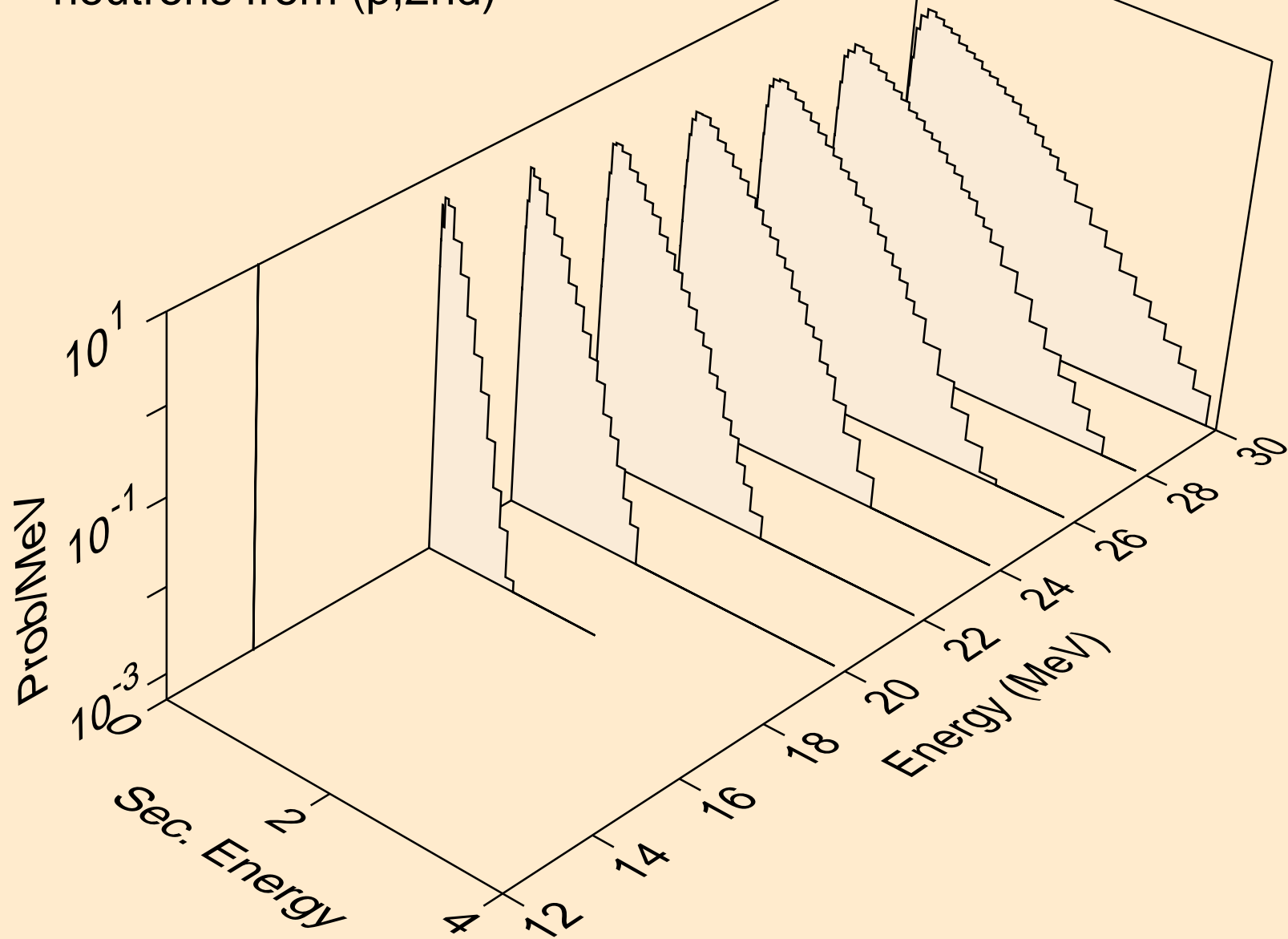
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



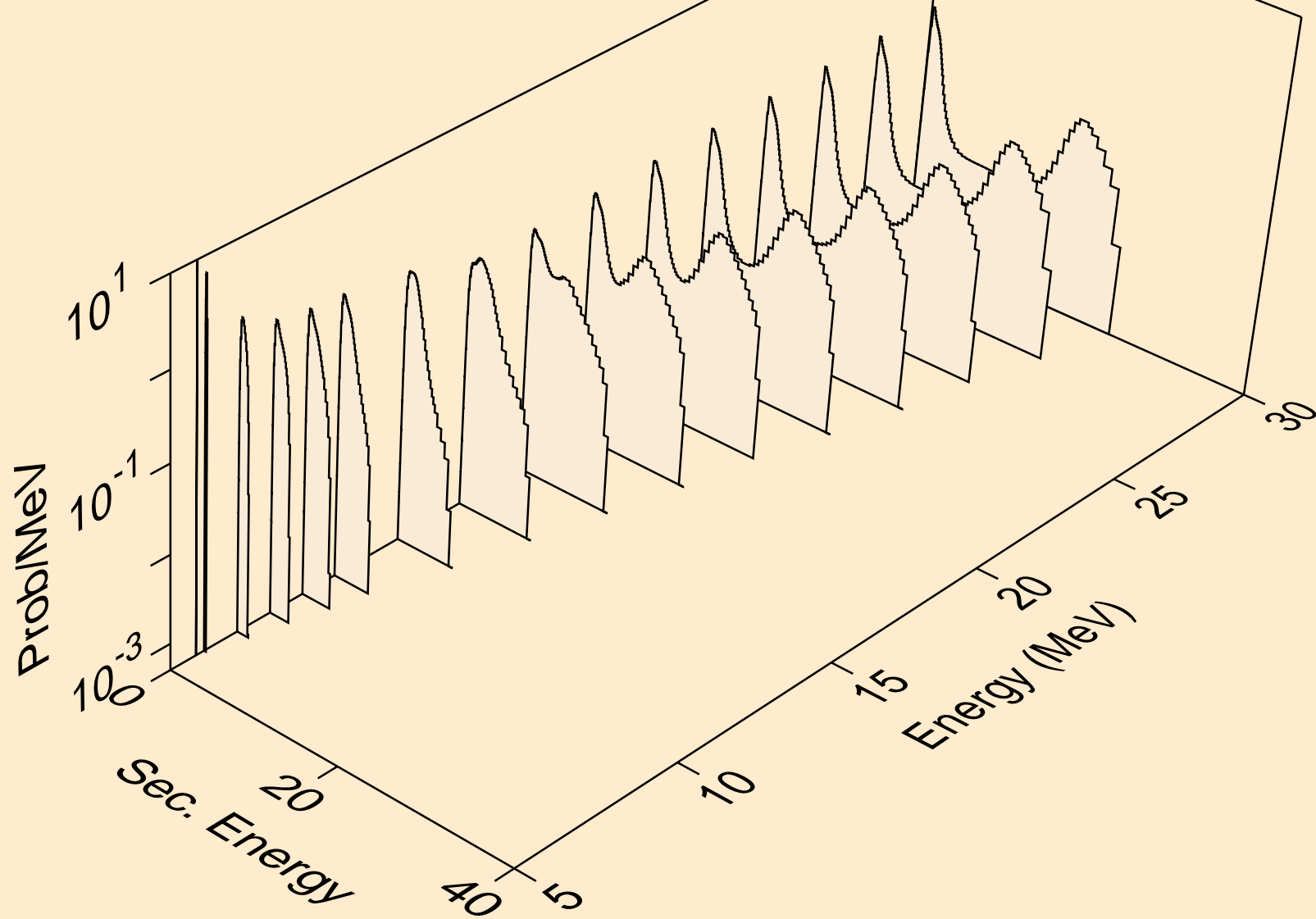
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)



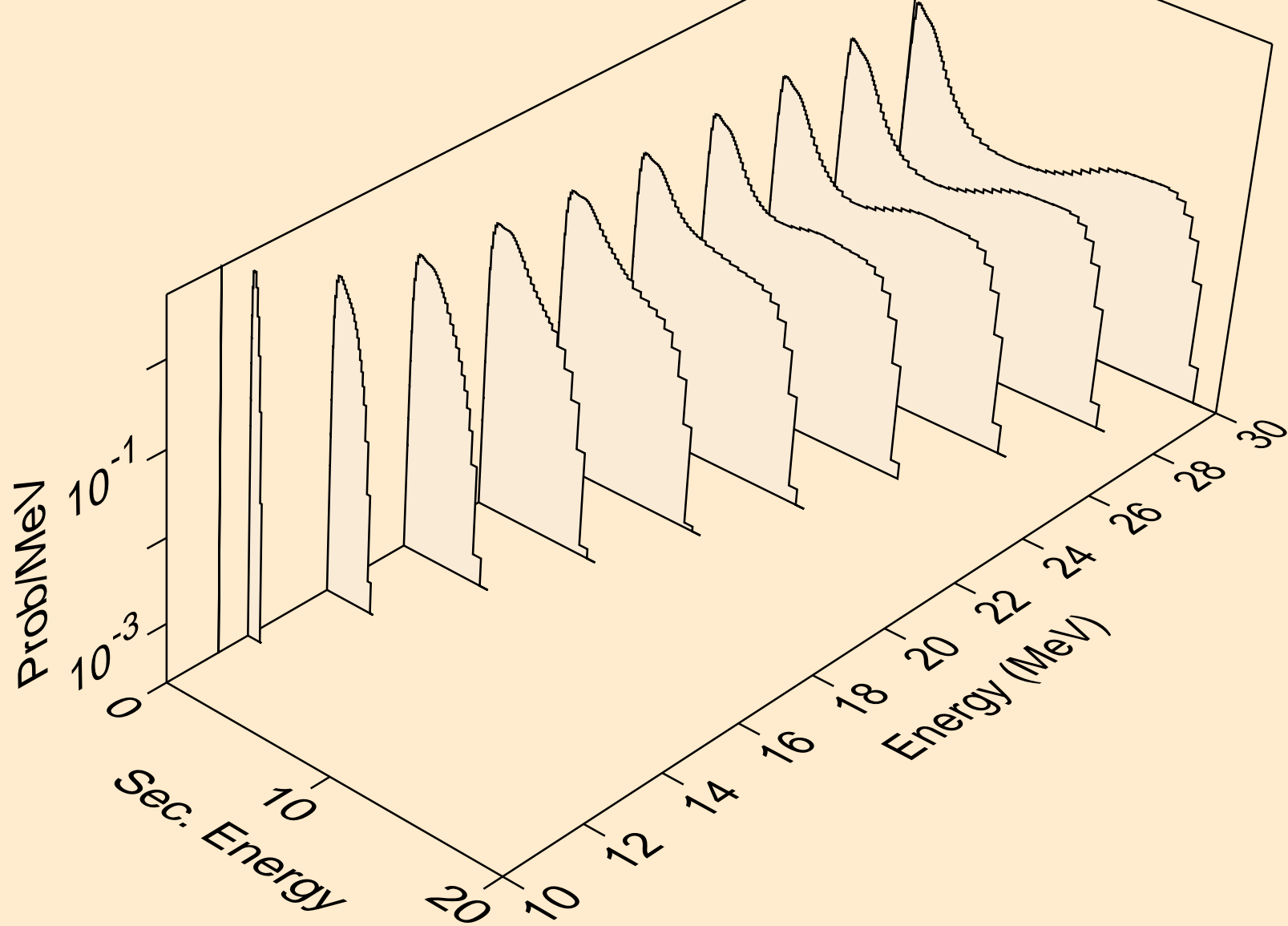
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2nd)



U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)

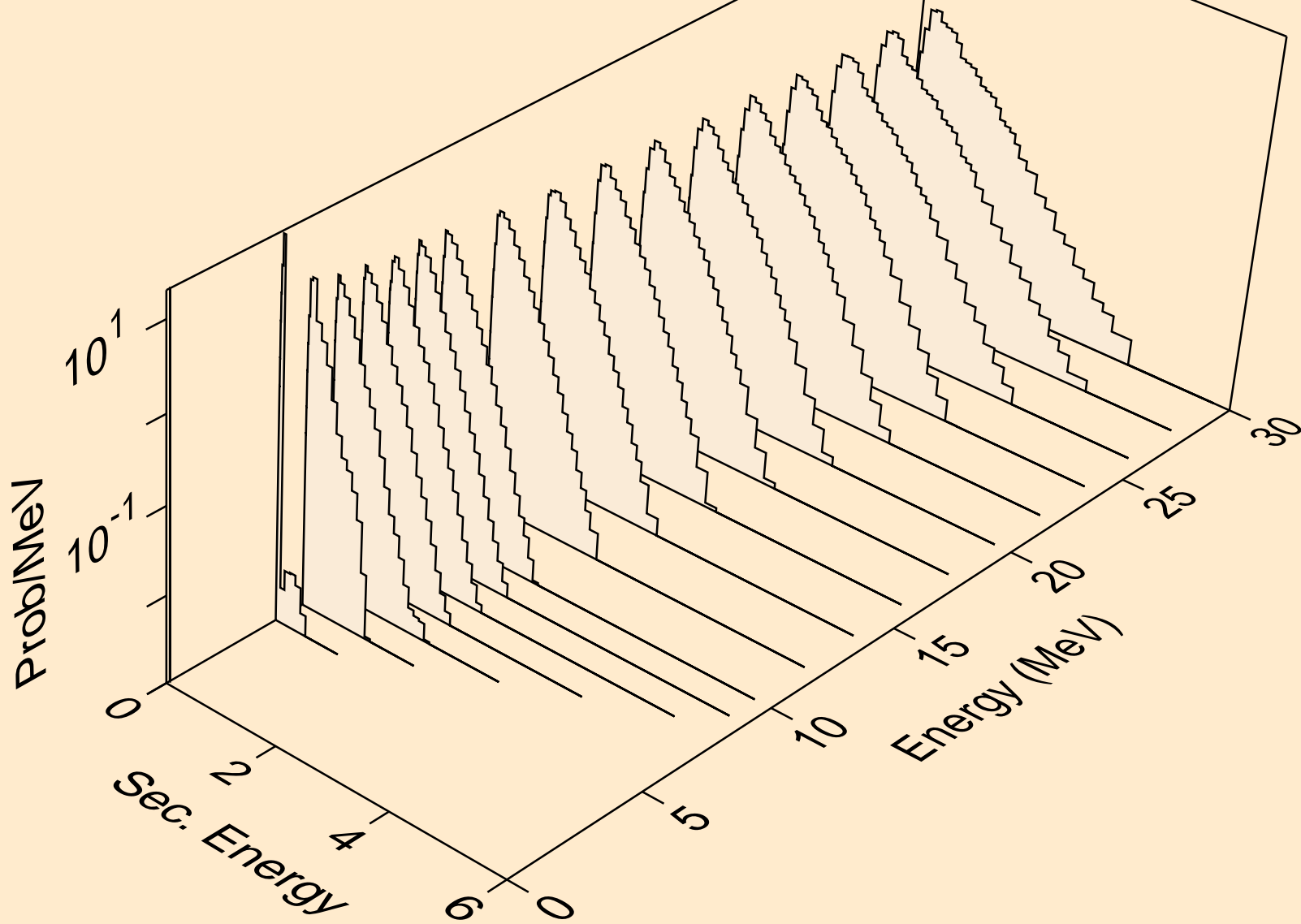


U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3n)

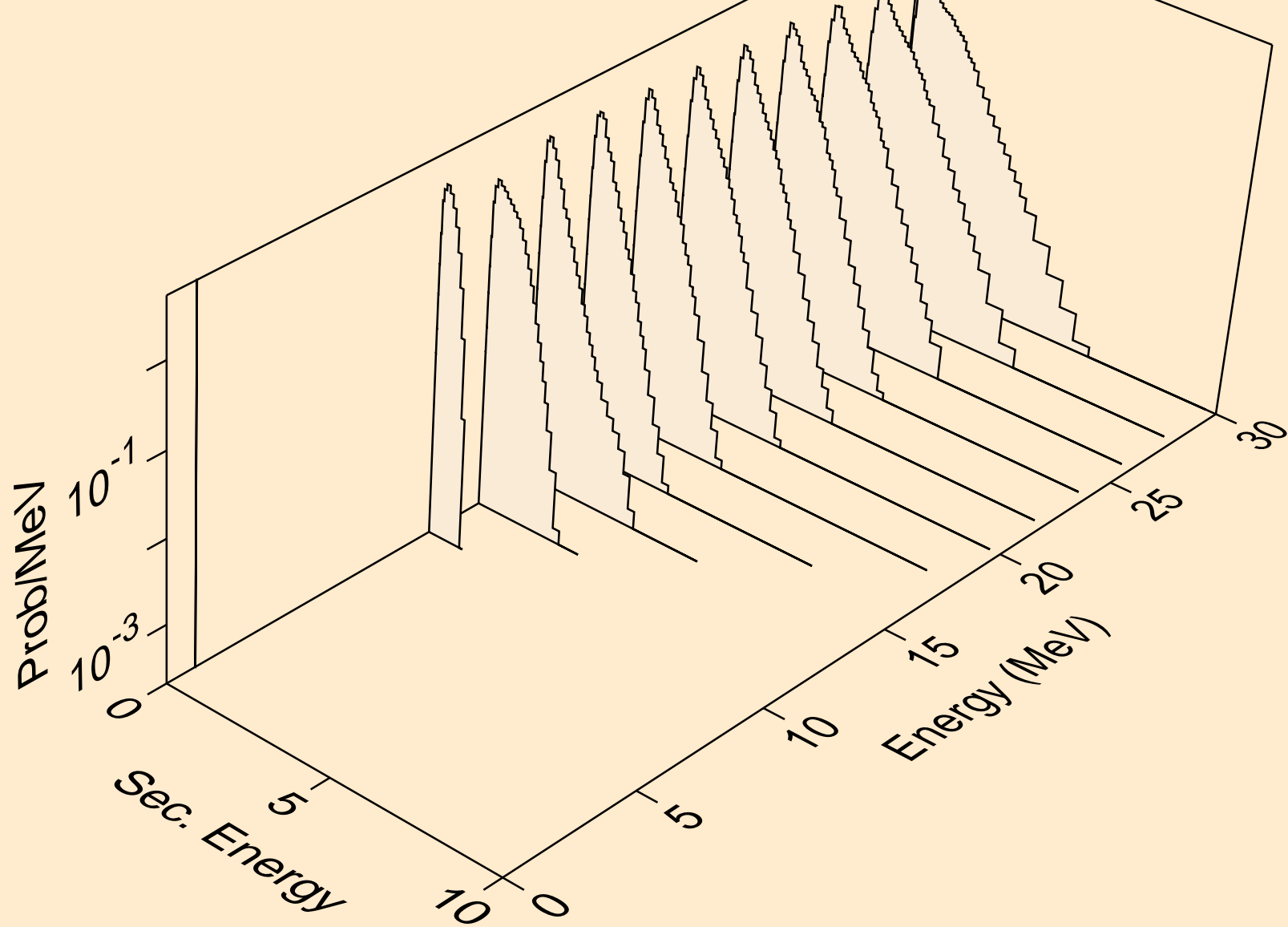




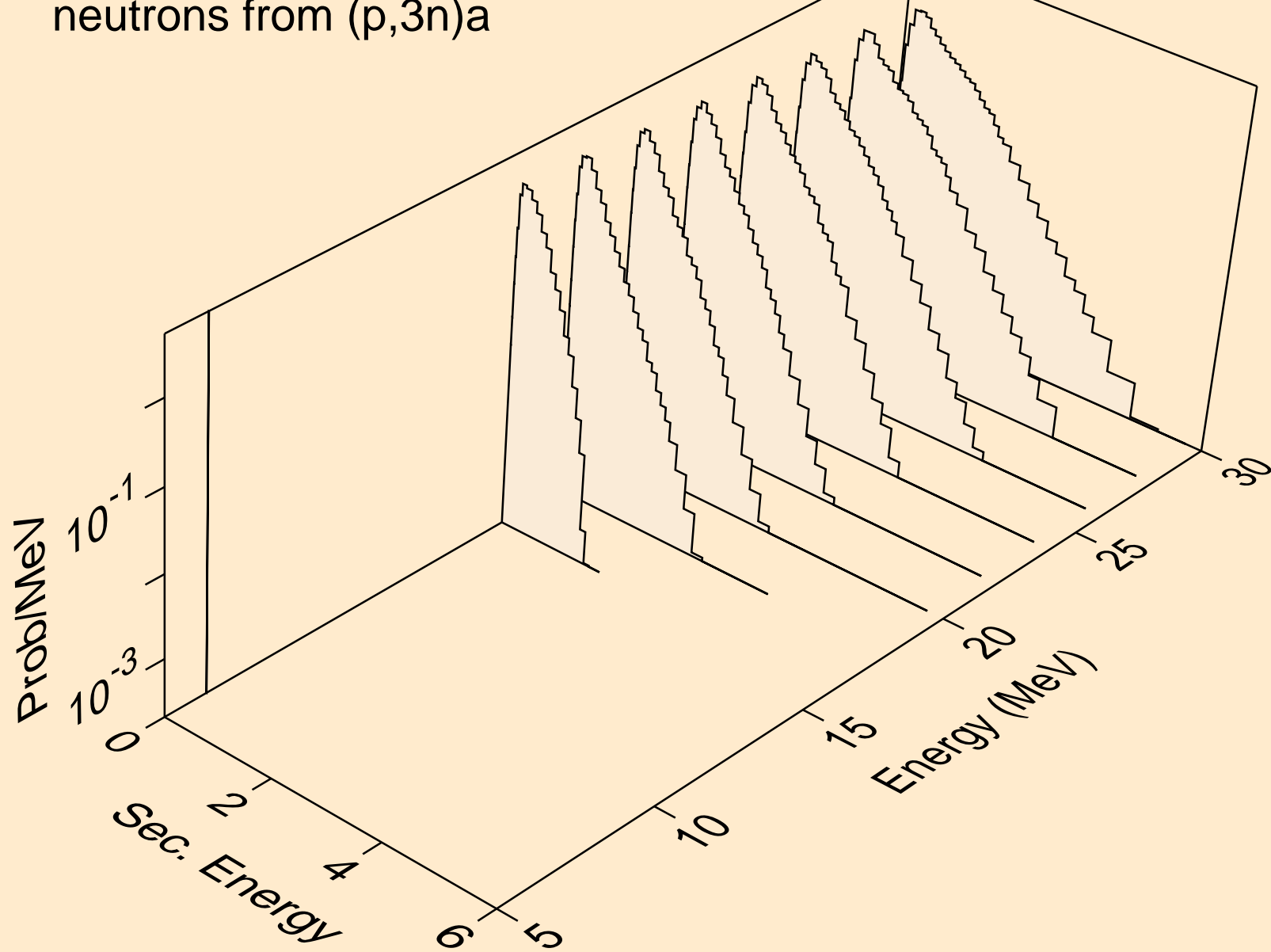
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a



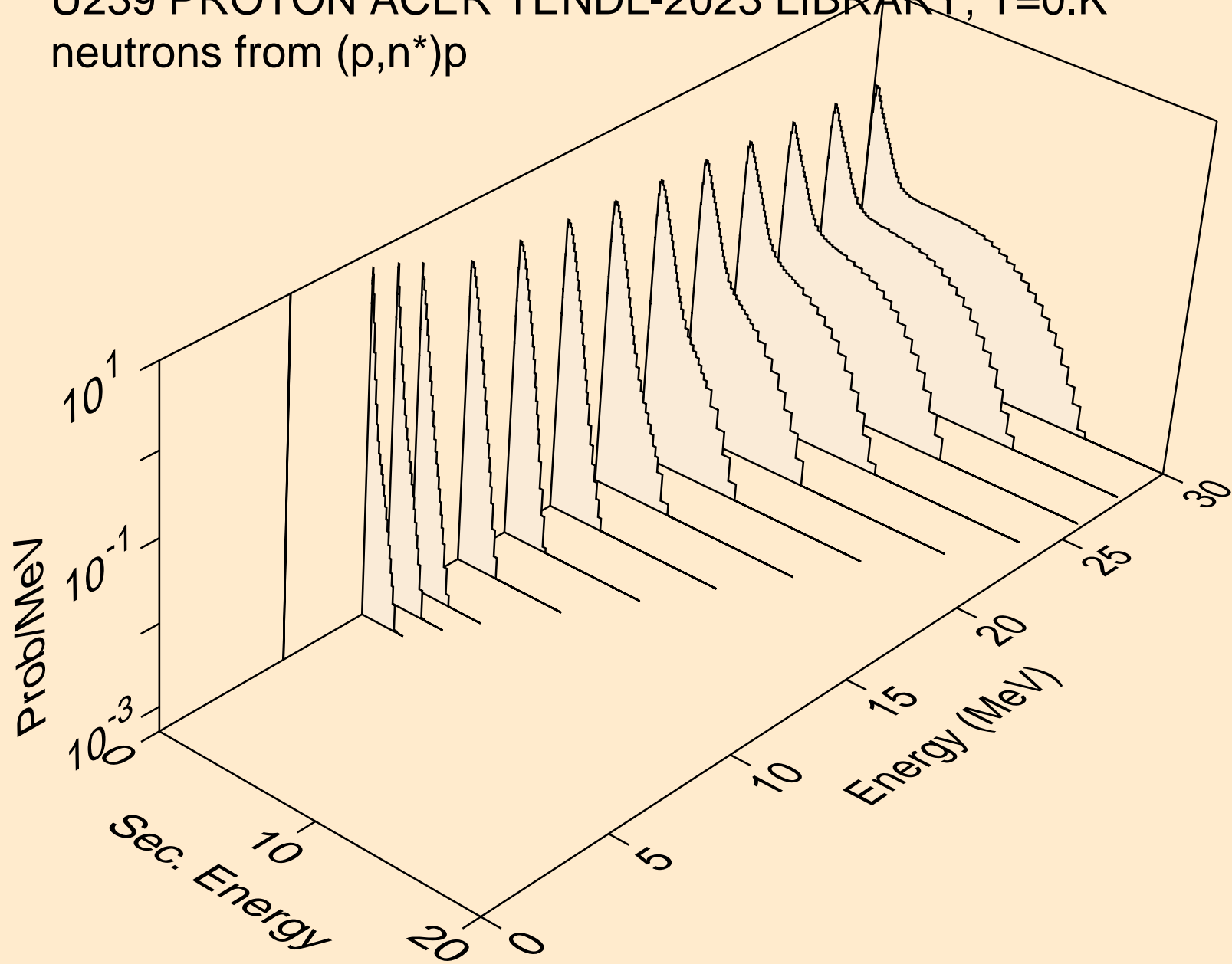
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)a



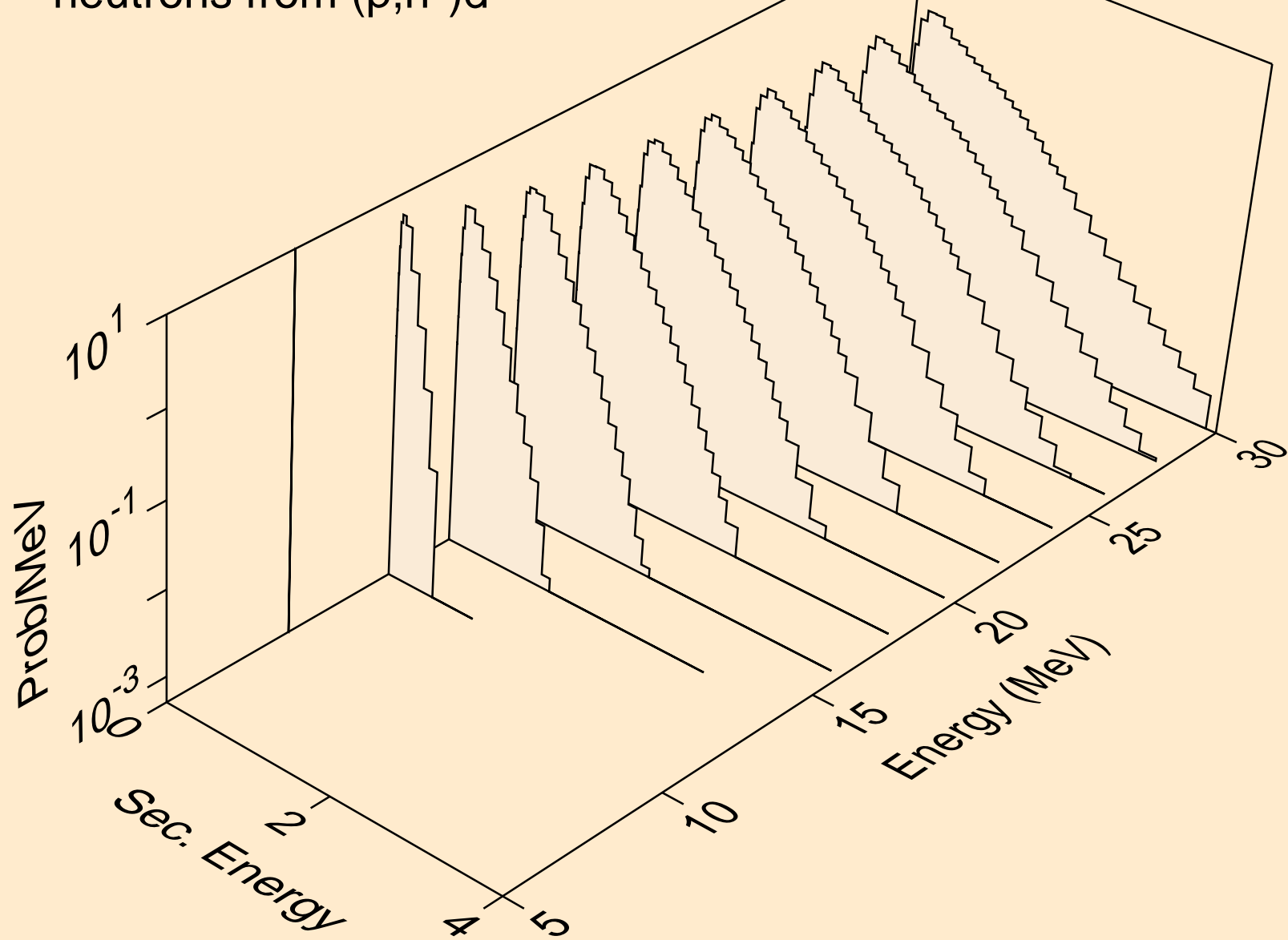
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3n)a



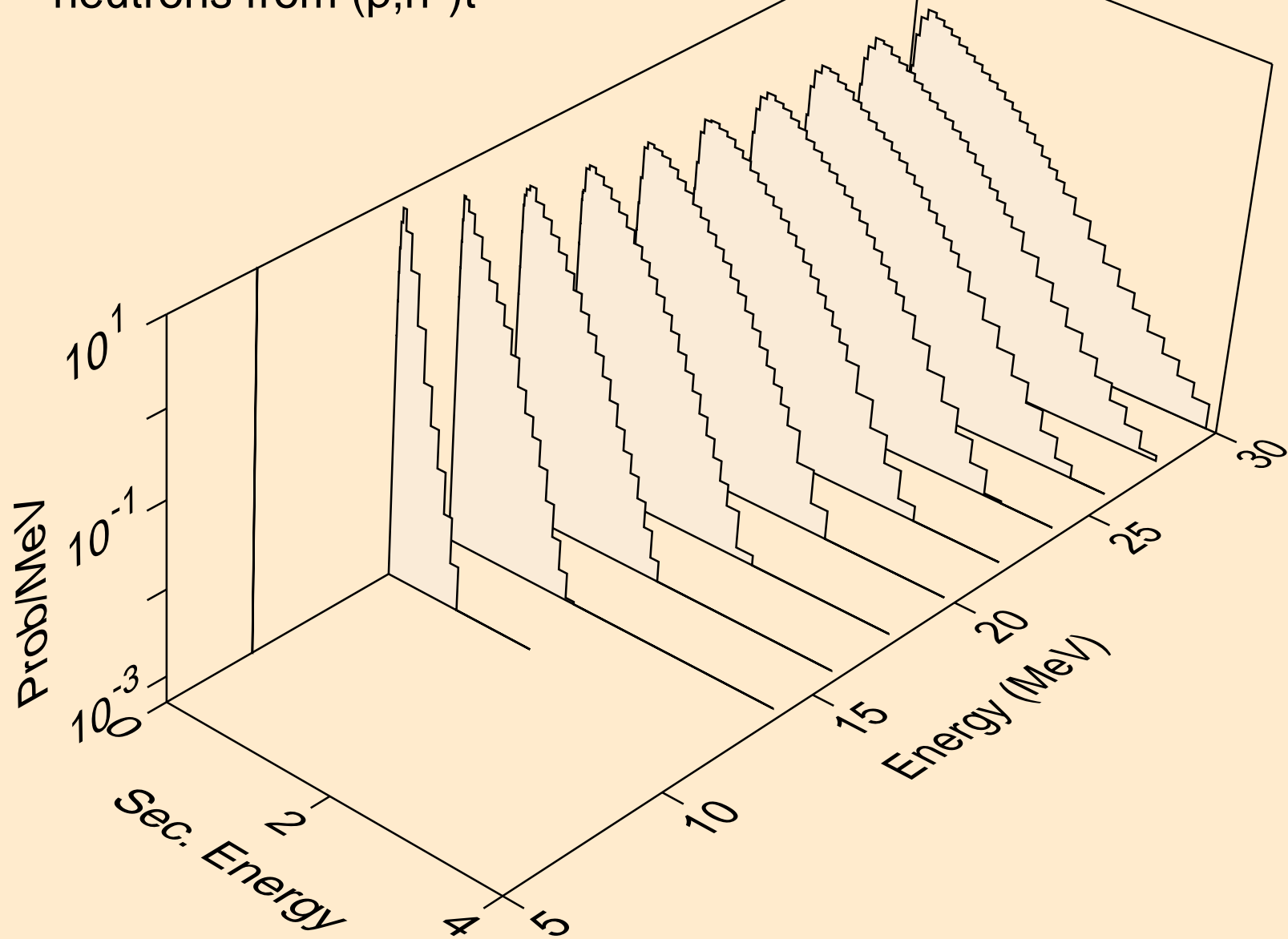
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)p



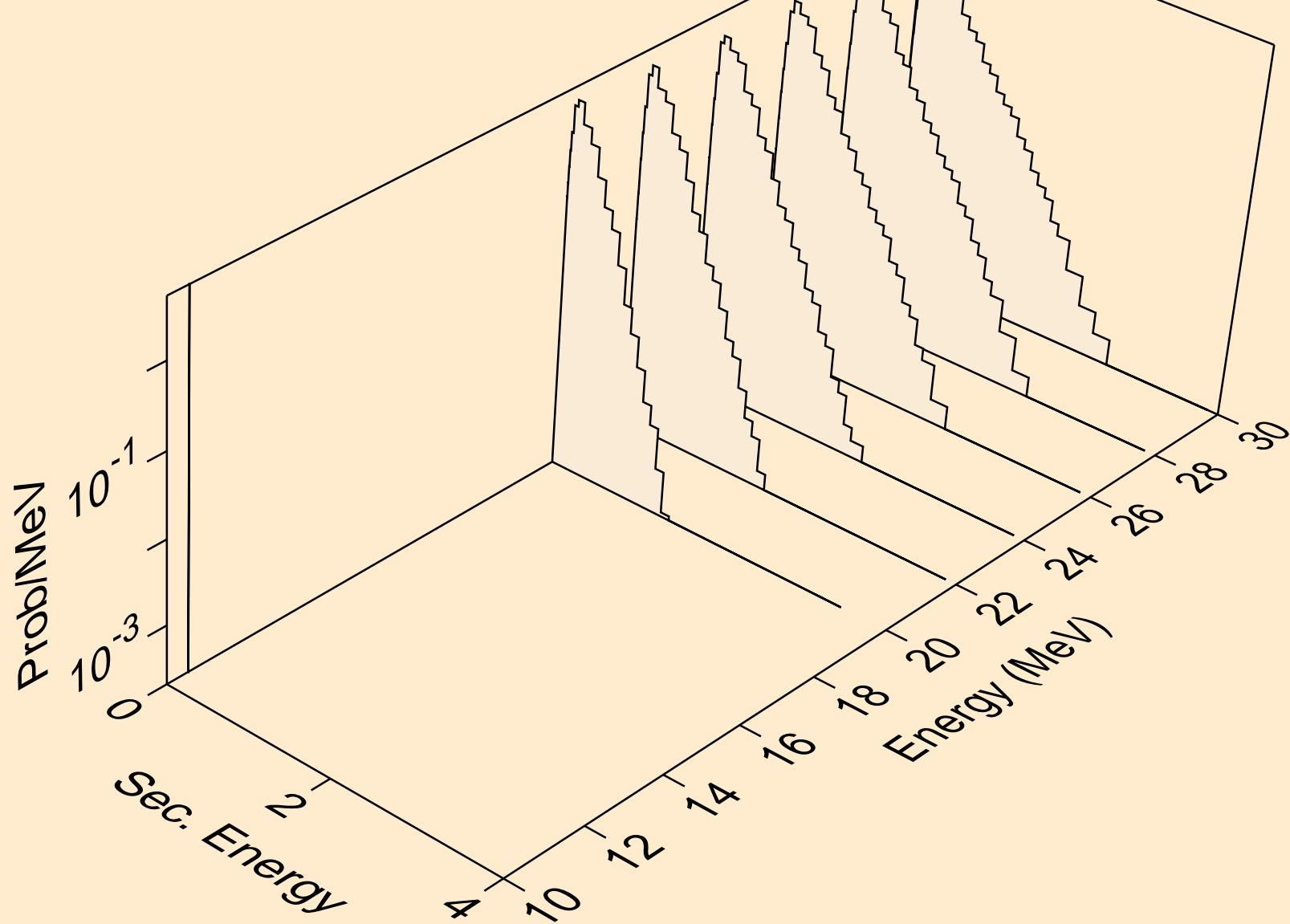
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)d



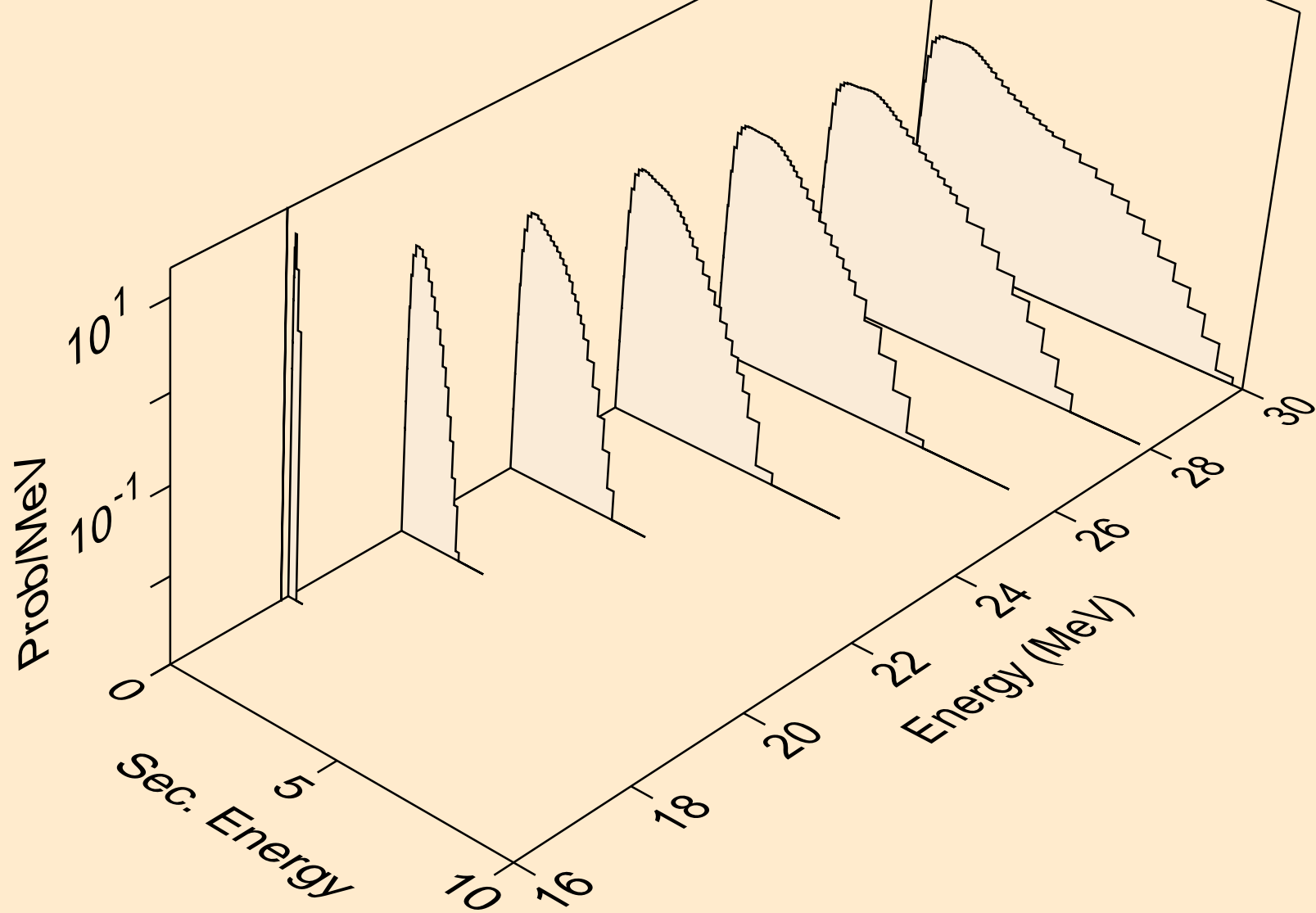
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)t



U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3

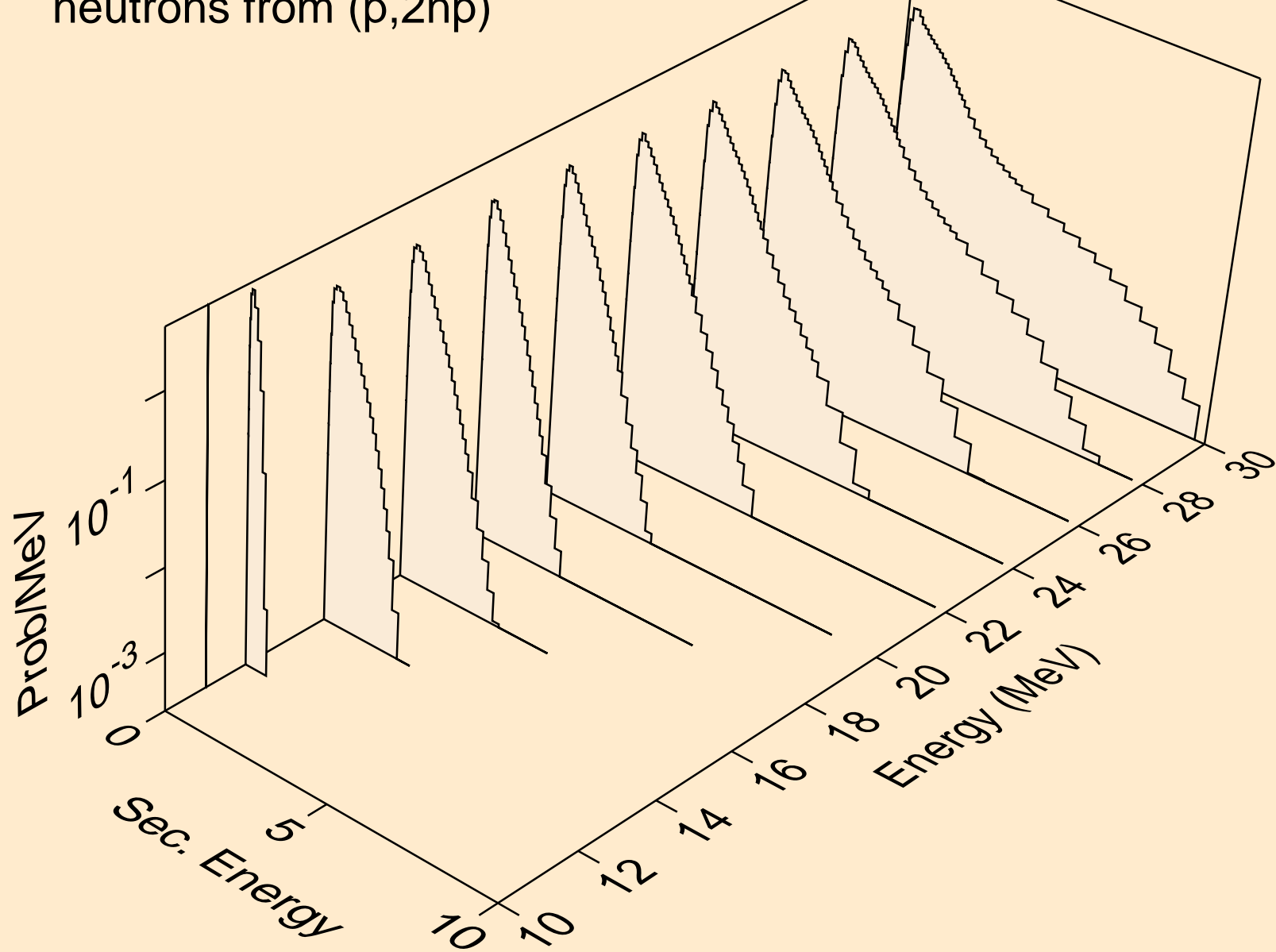


U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,4n)

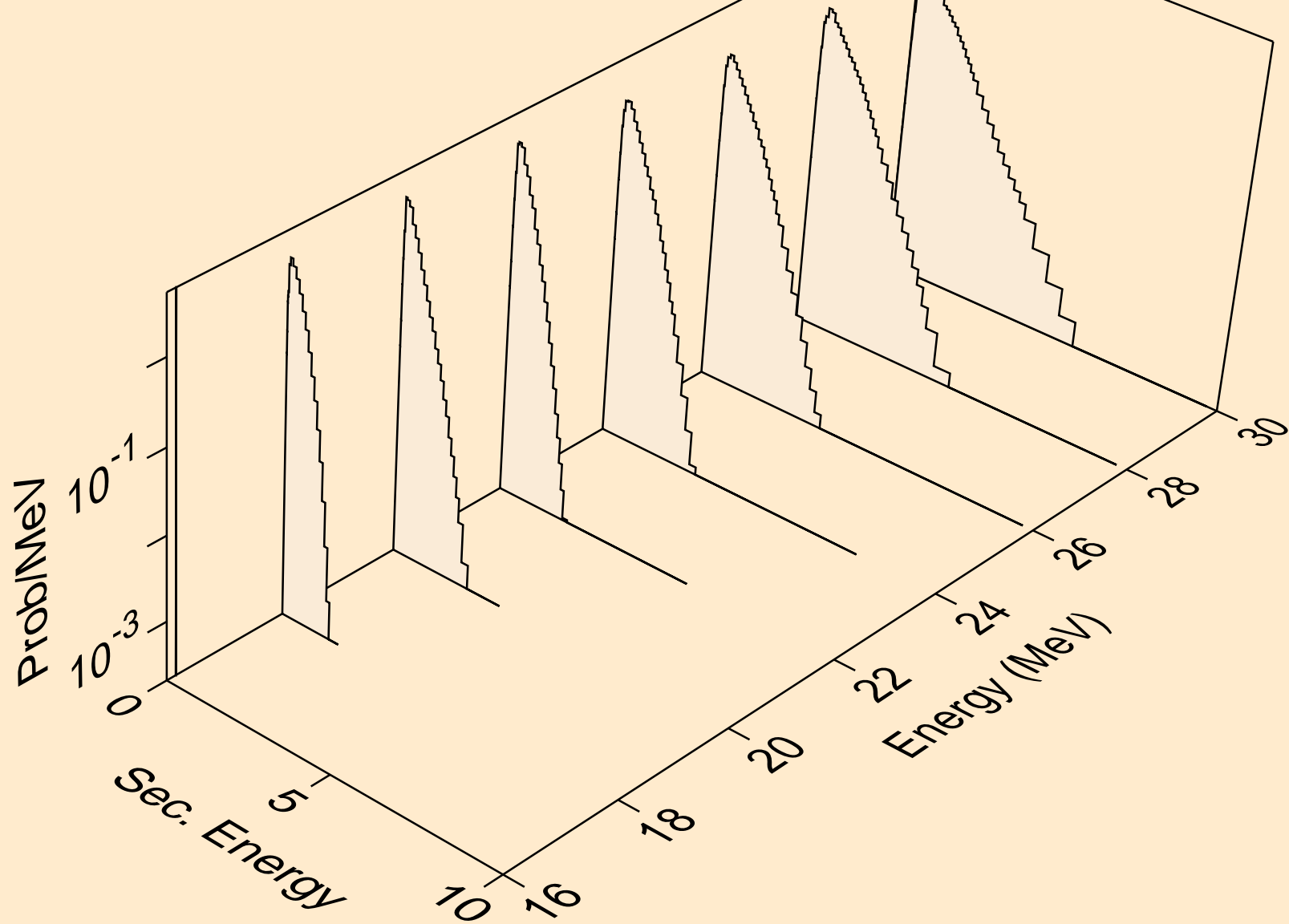




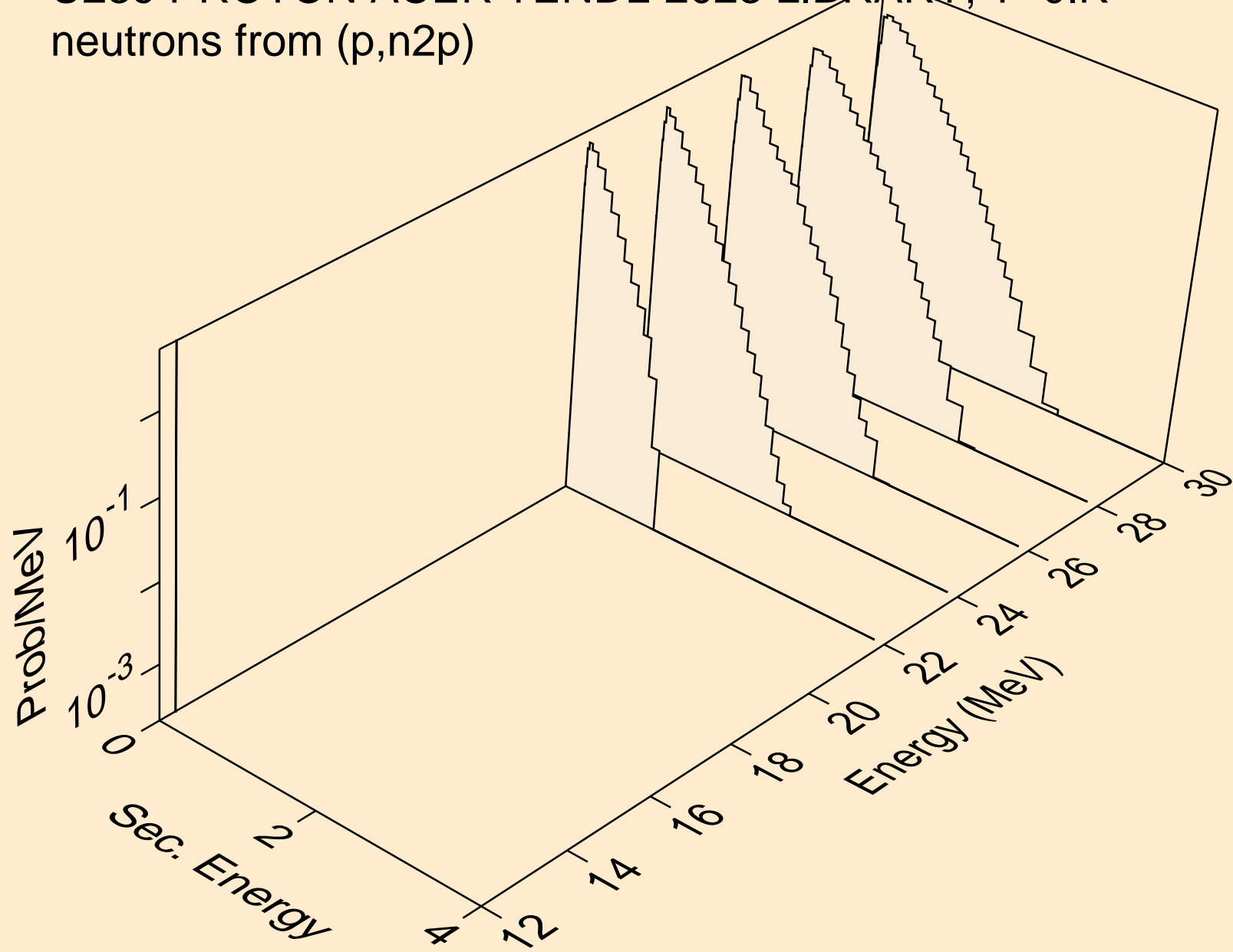
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2np)



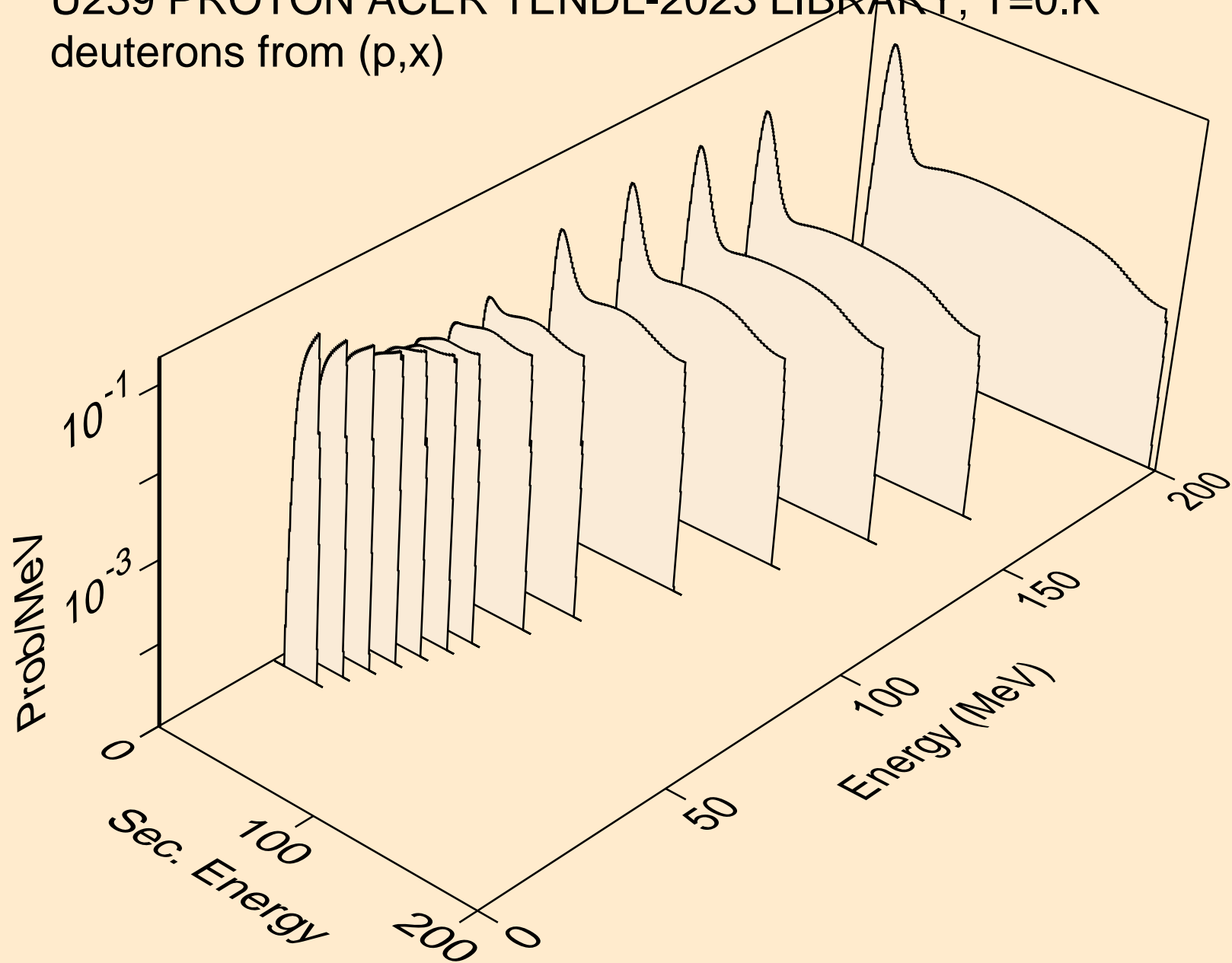
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3np)



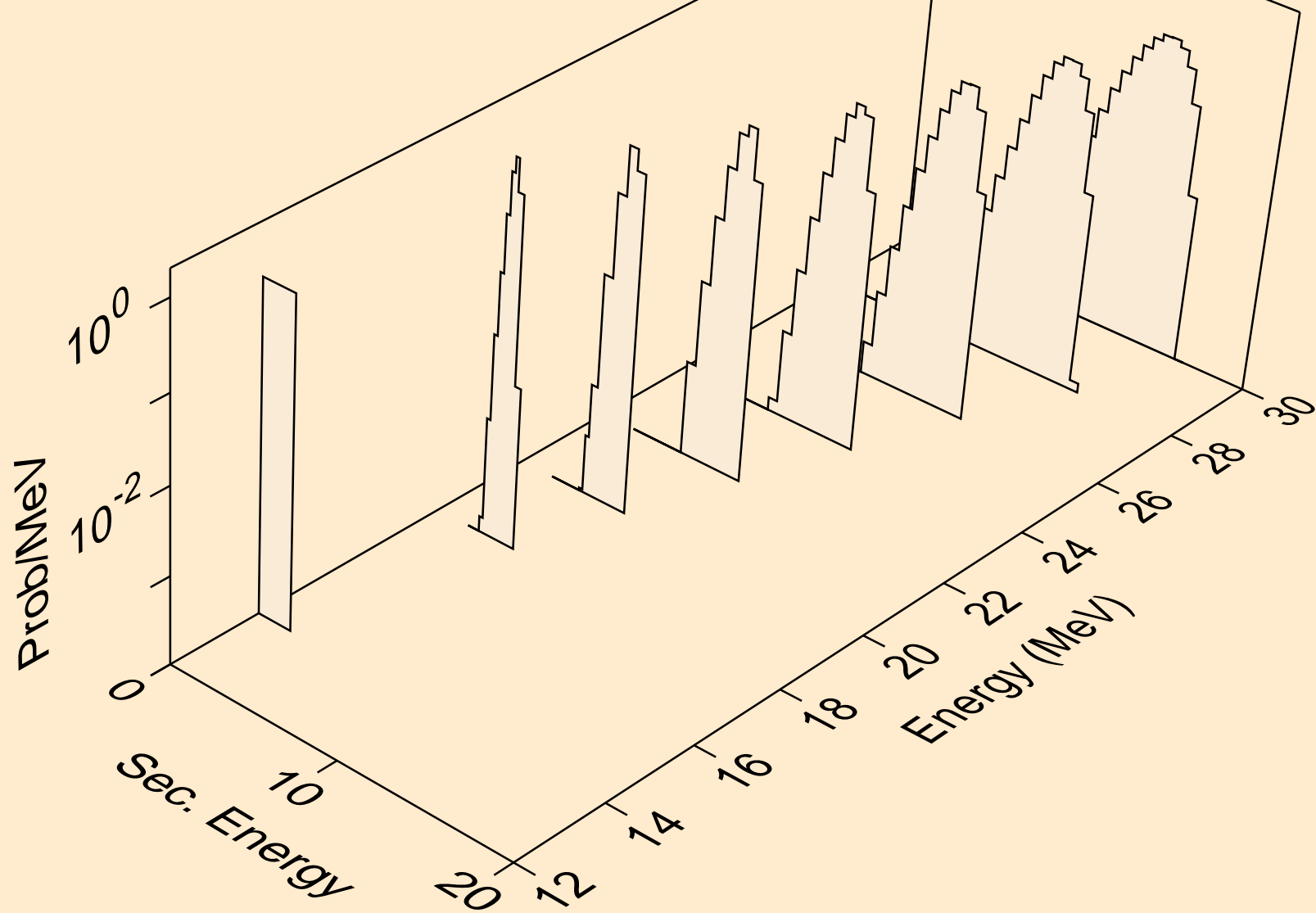
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n2p)



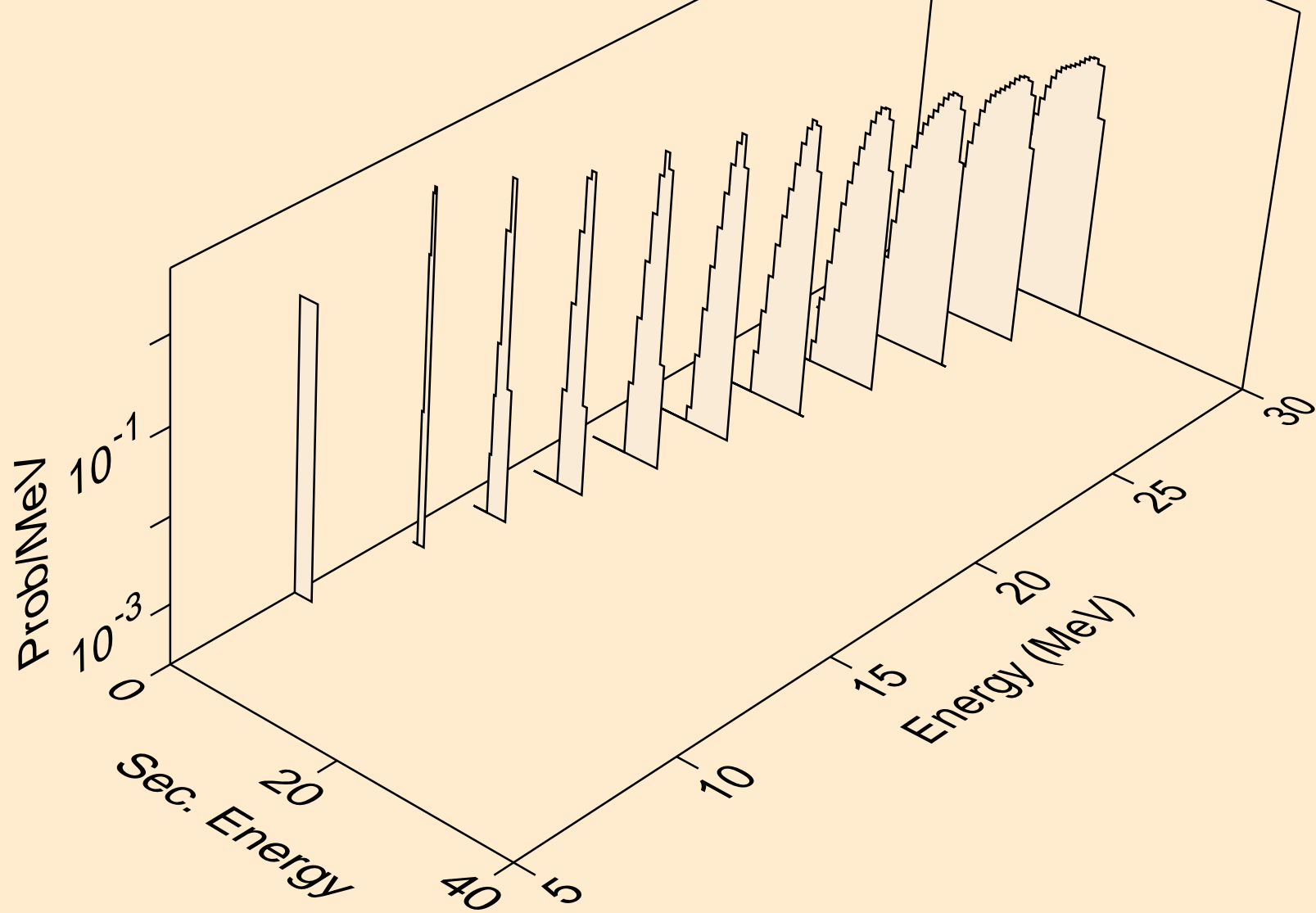
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,x)



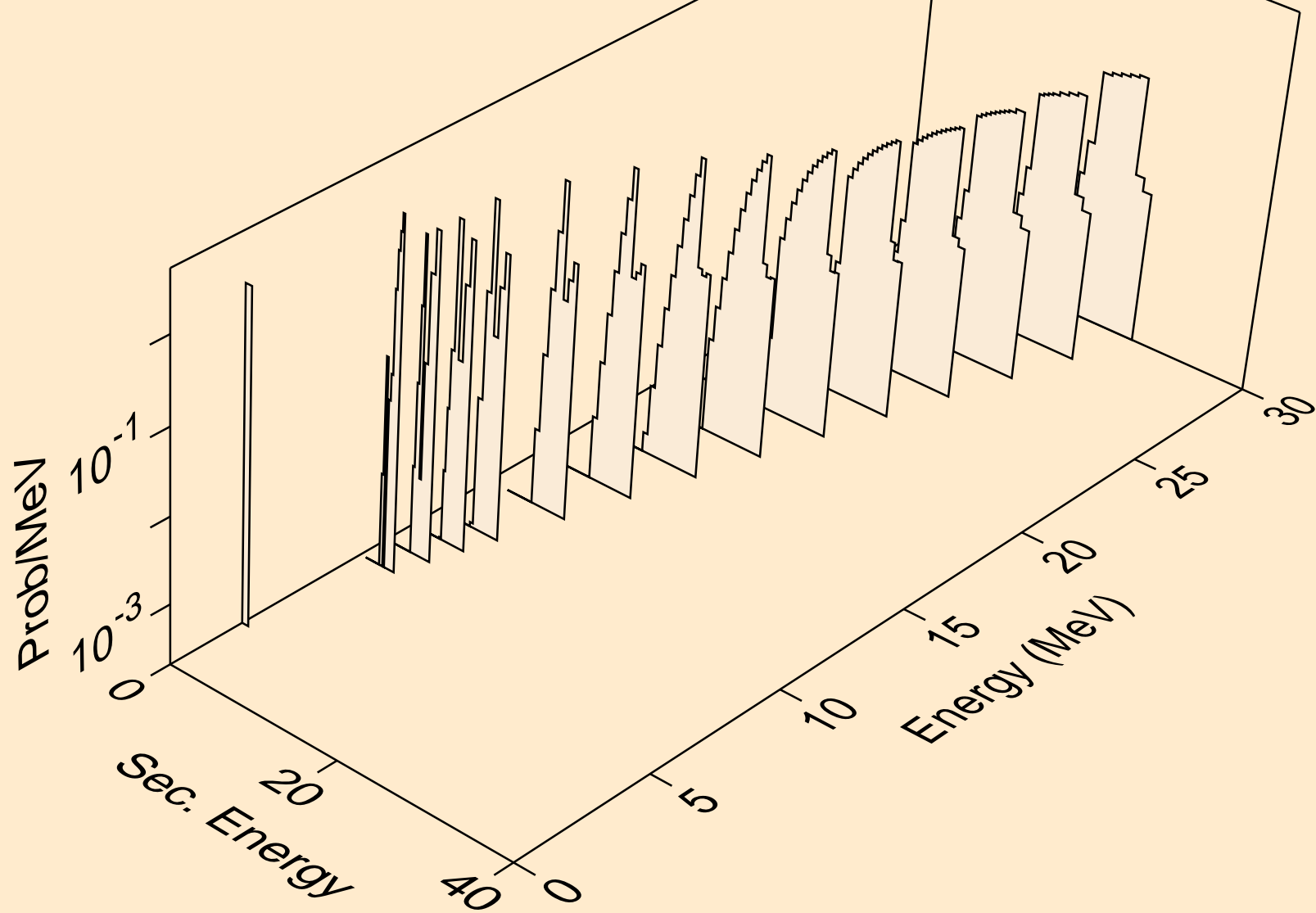
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,2nd)



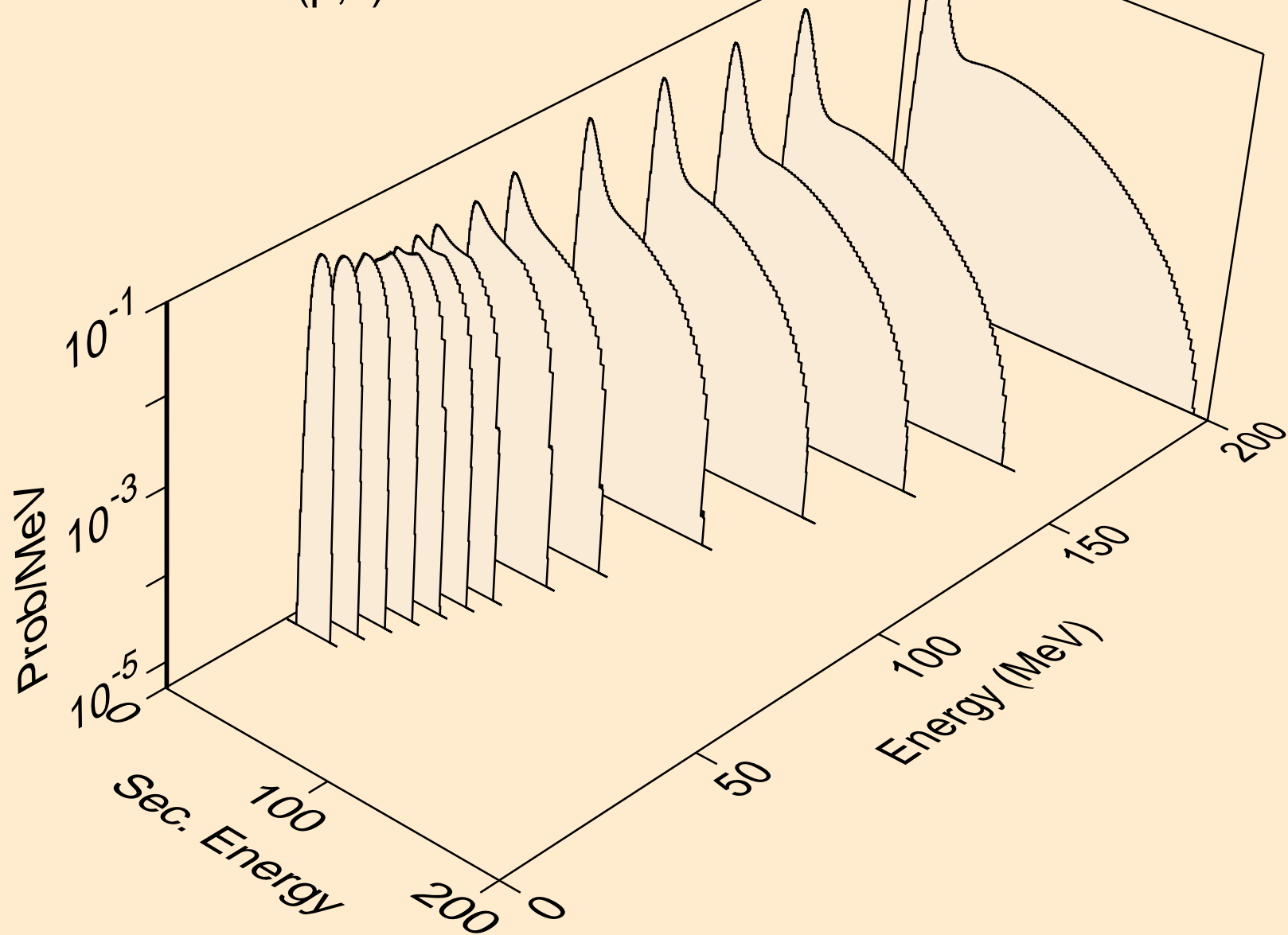
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,n\*)d



U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,d)

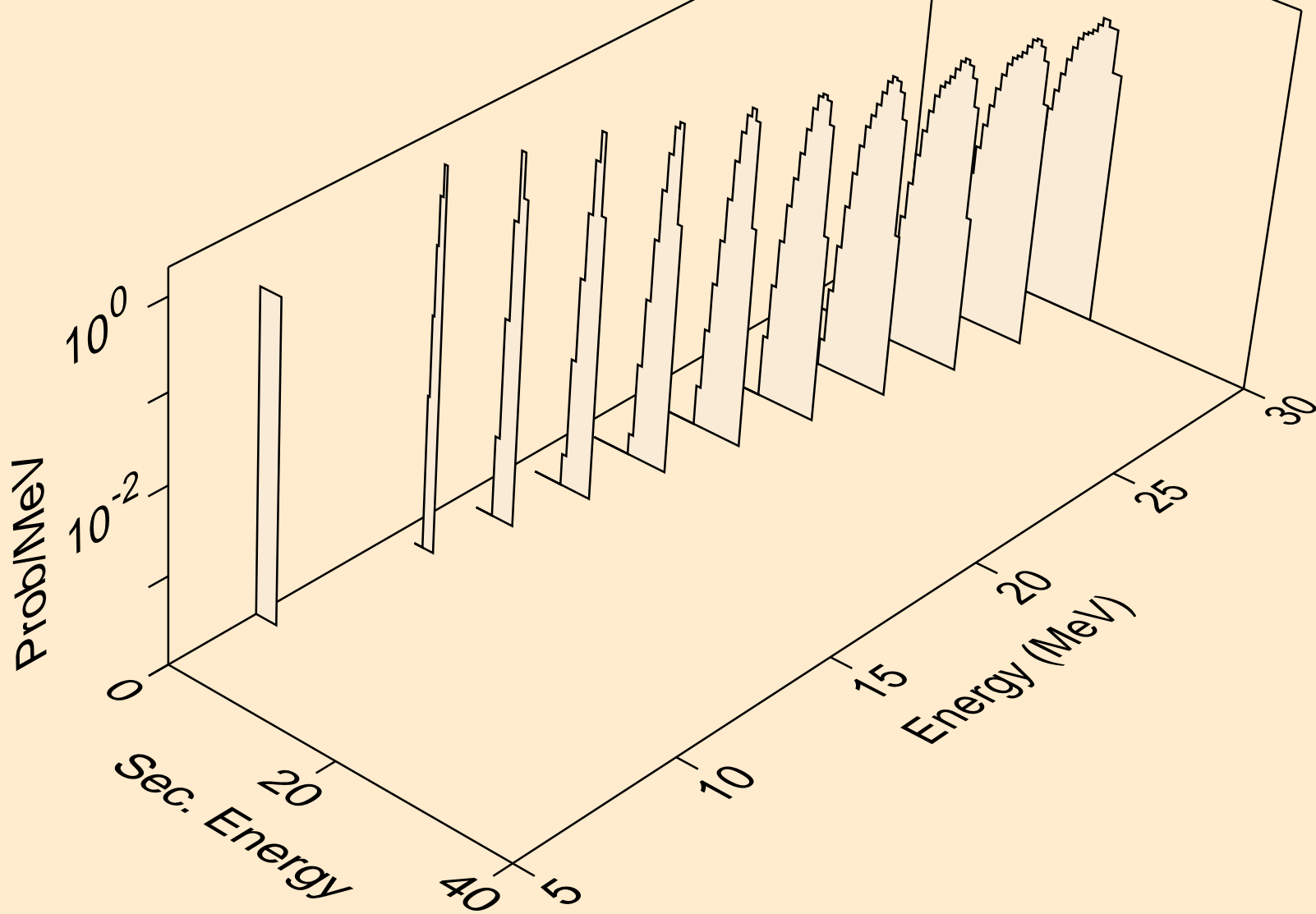


U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)

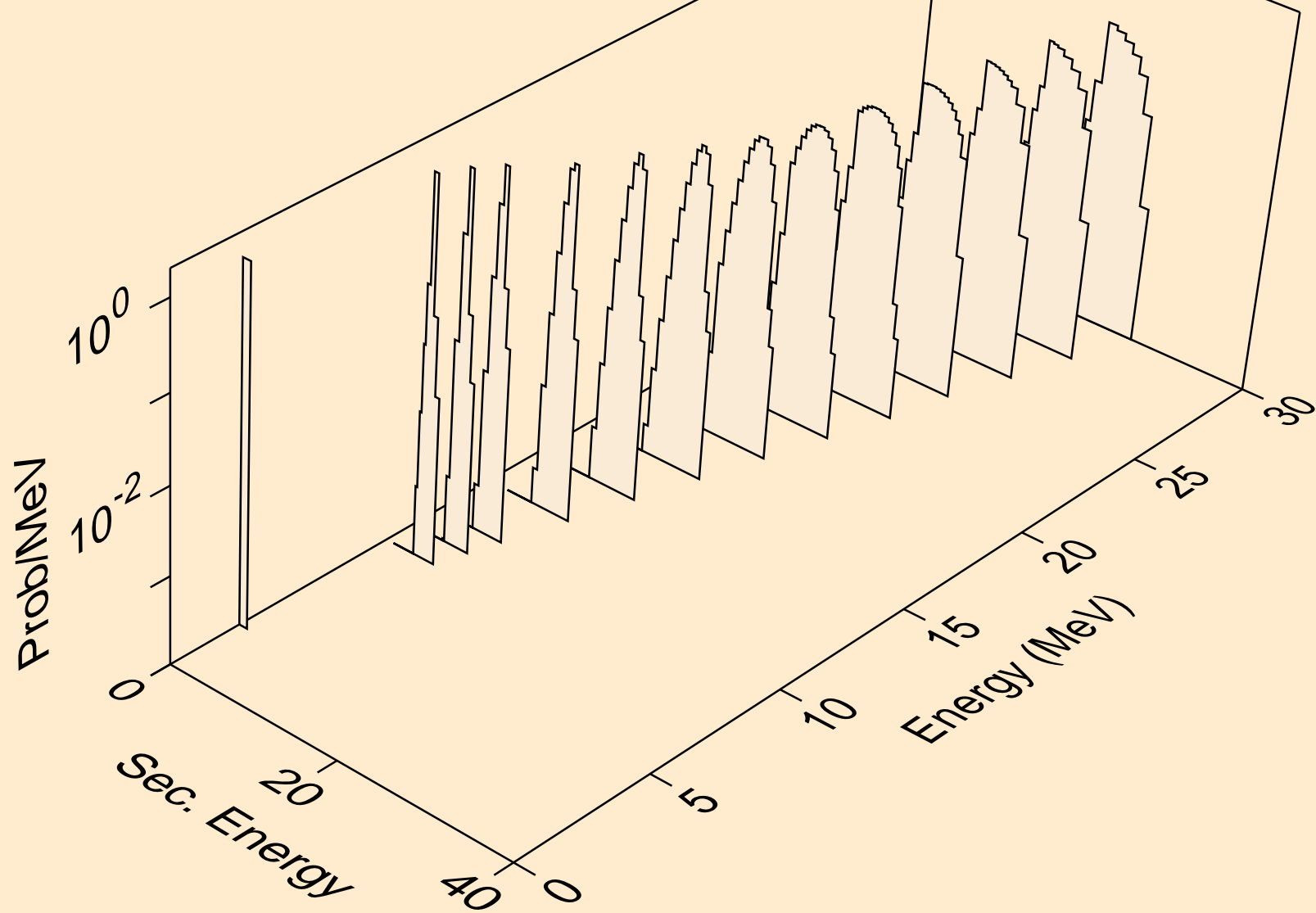




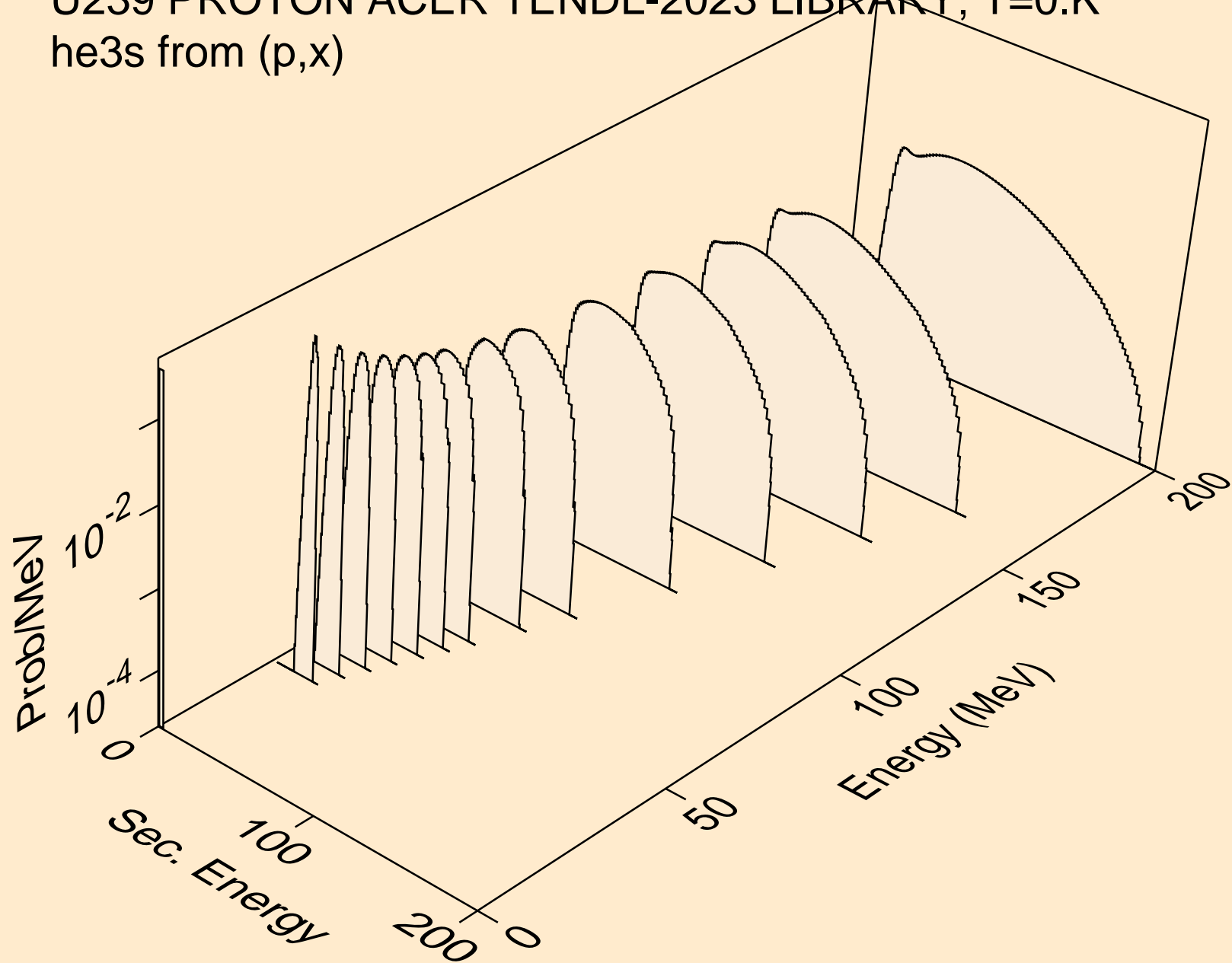
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,n\*)t



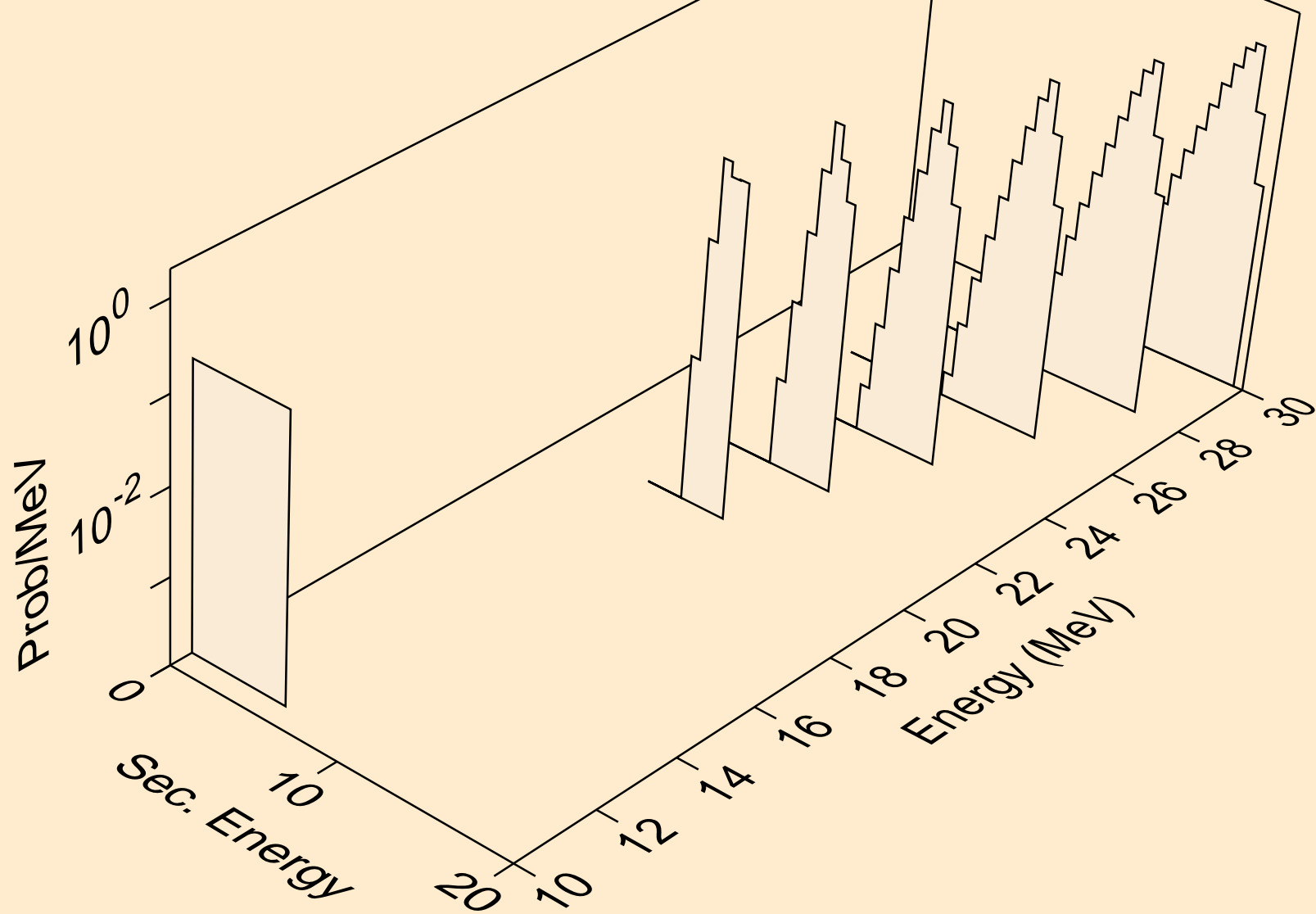
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,t)



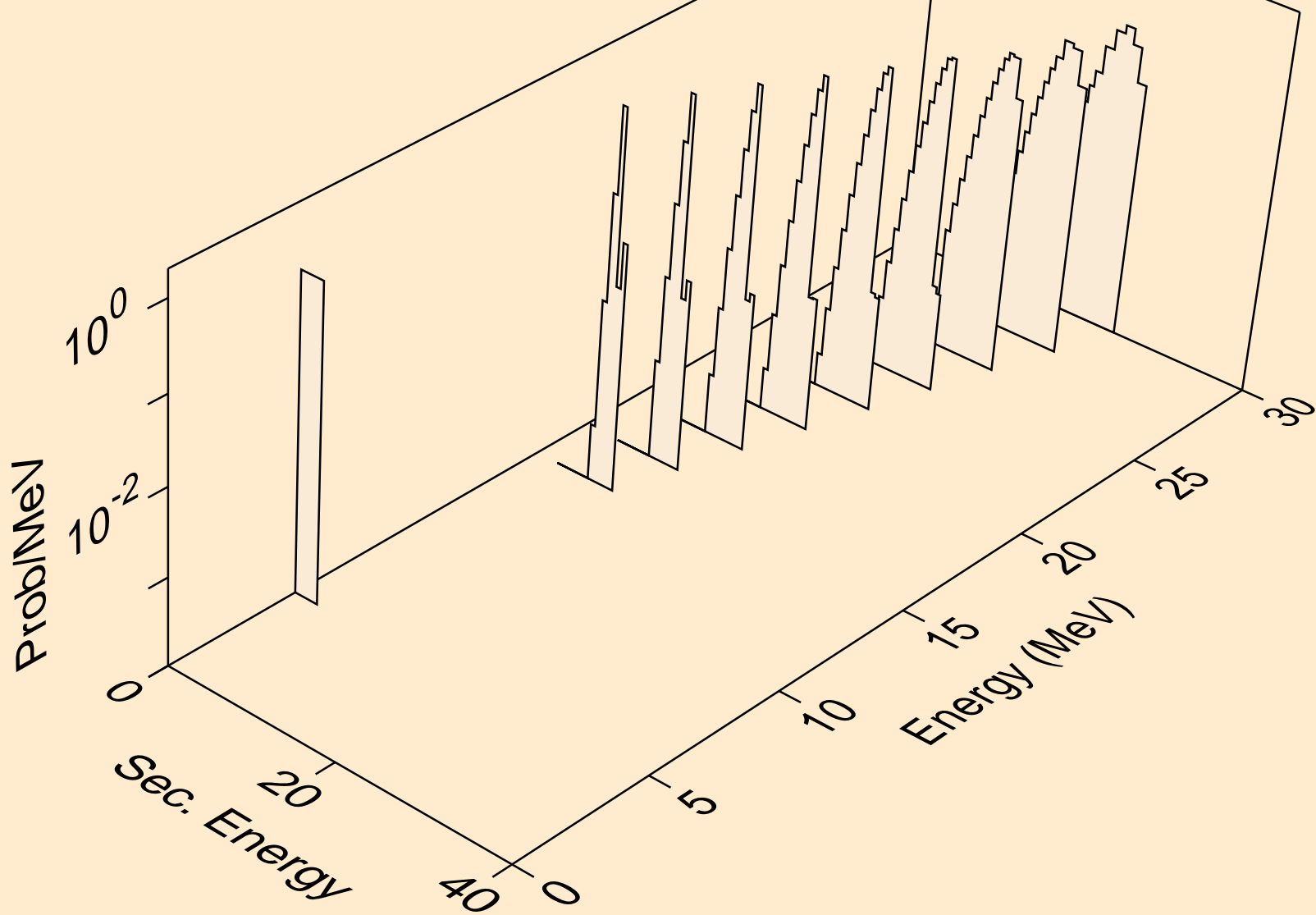
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)



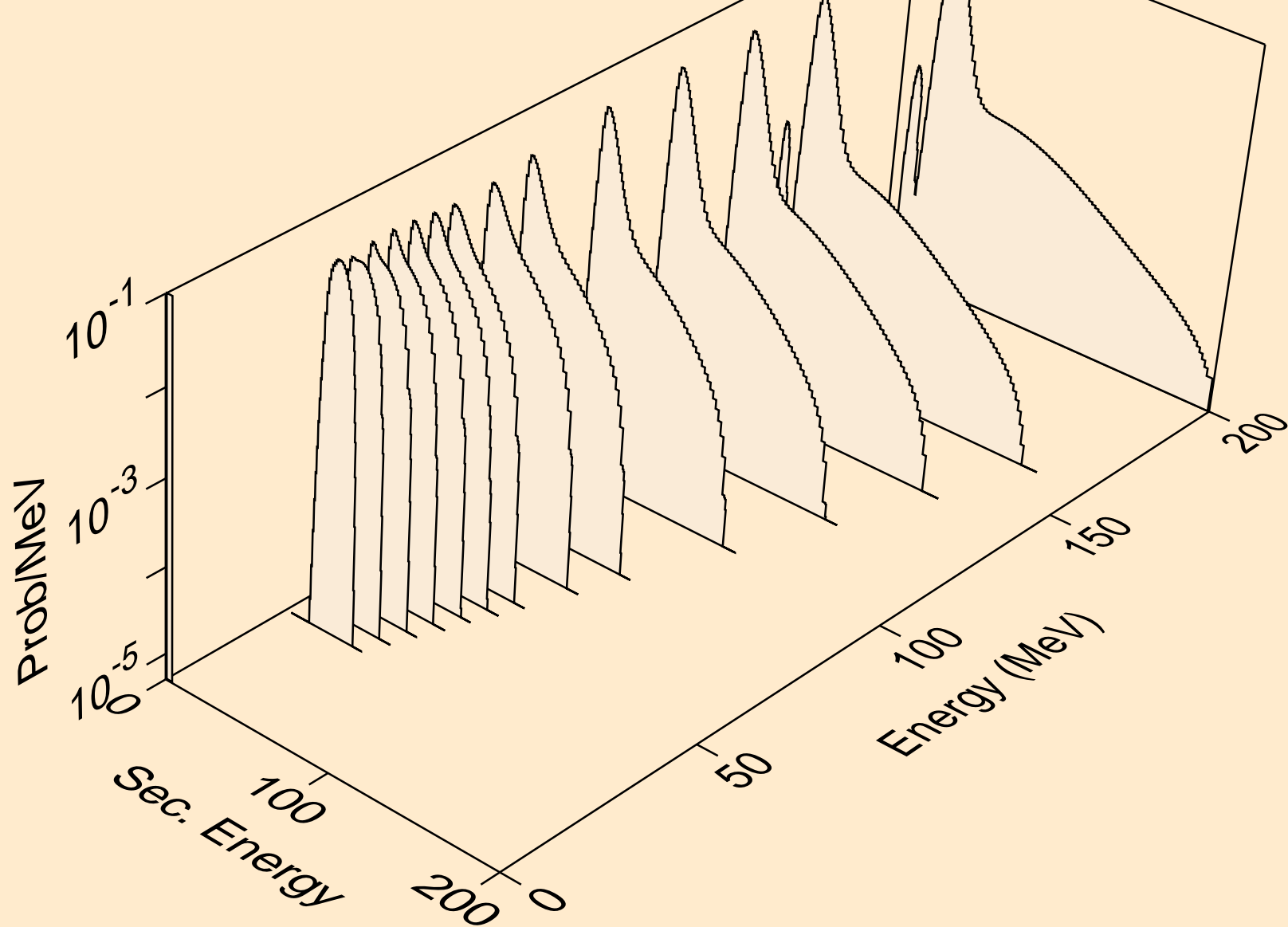
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3



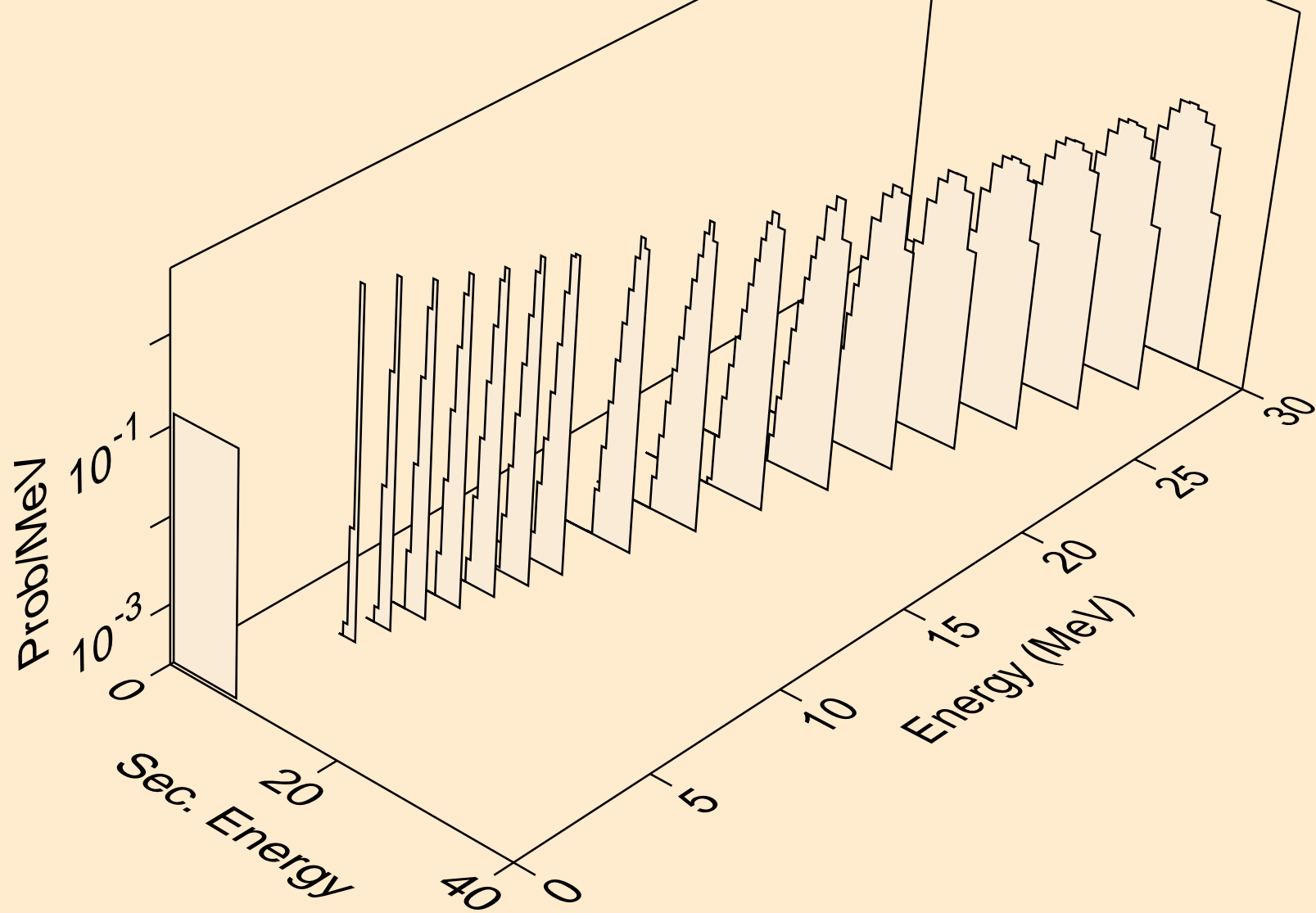
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,he3)



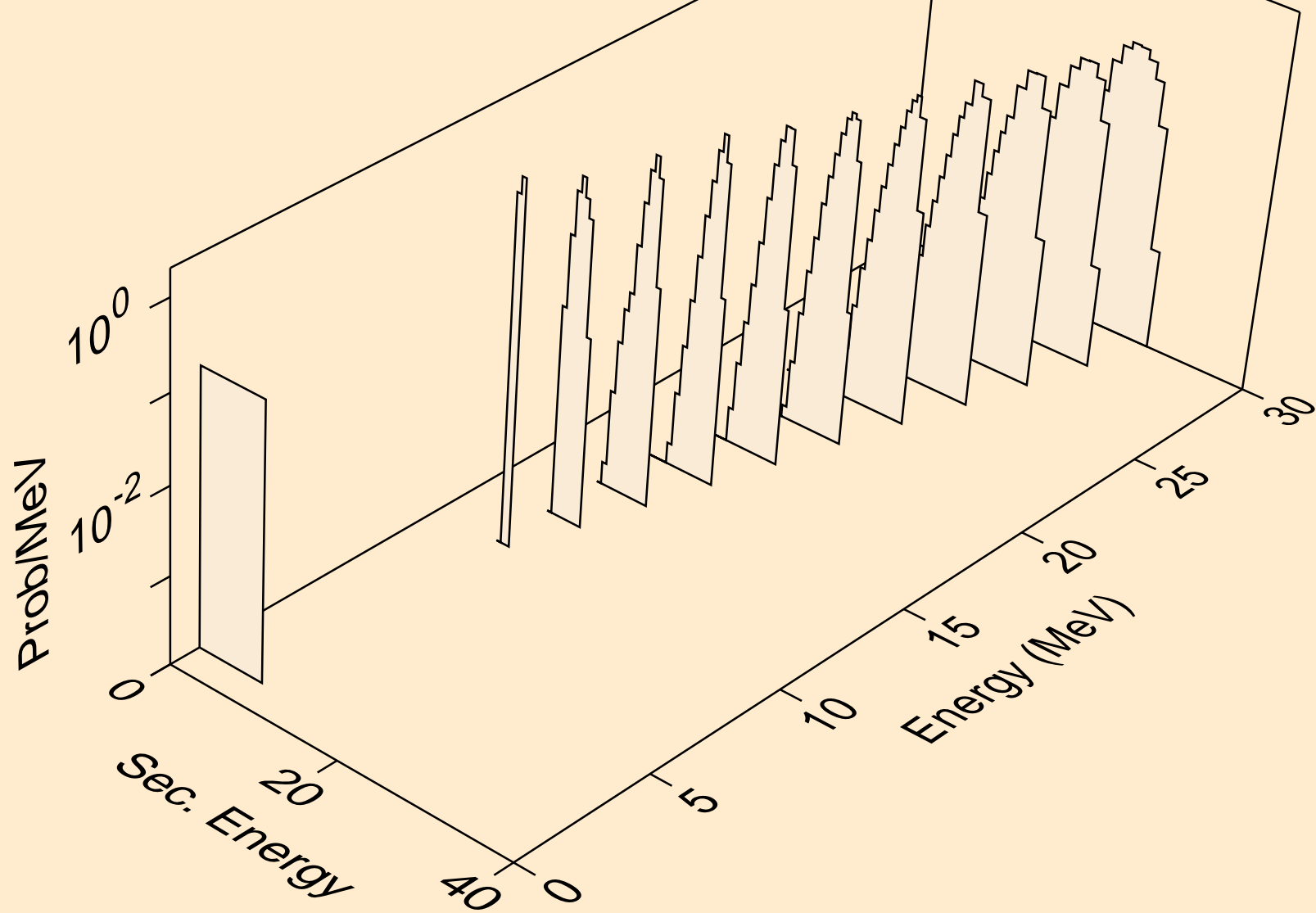
U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)



U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a

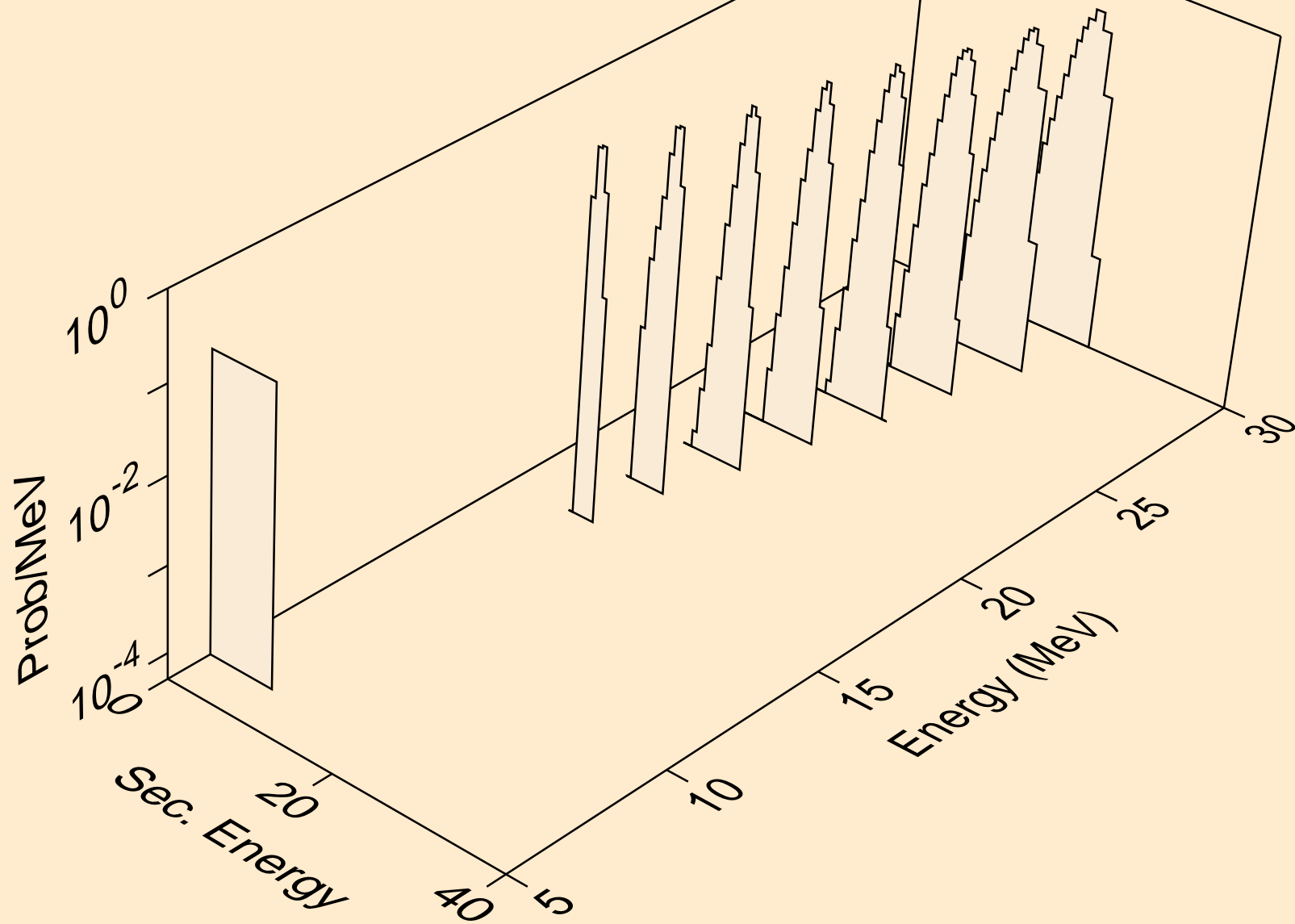


U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)a





U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3n)a



U239 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)

