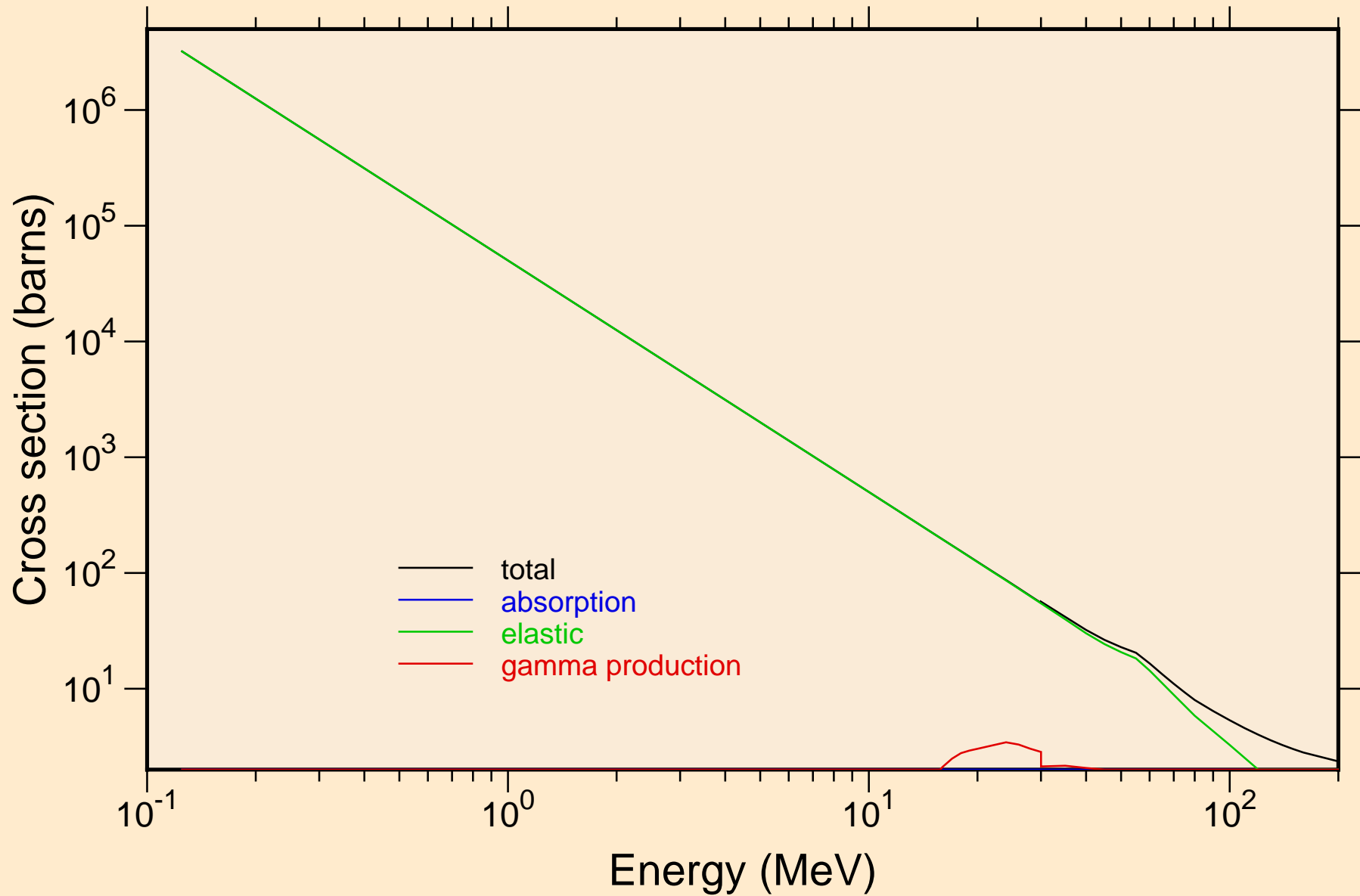
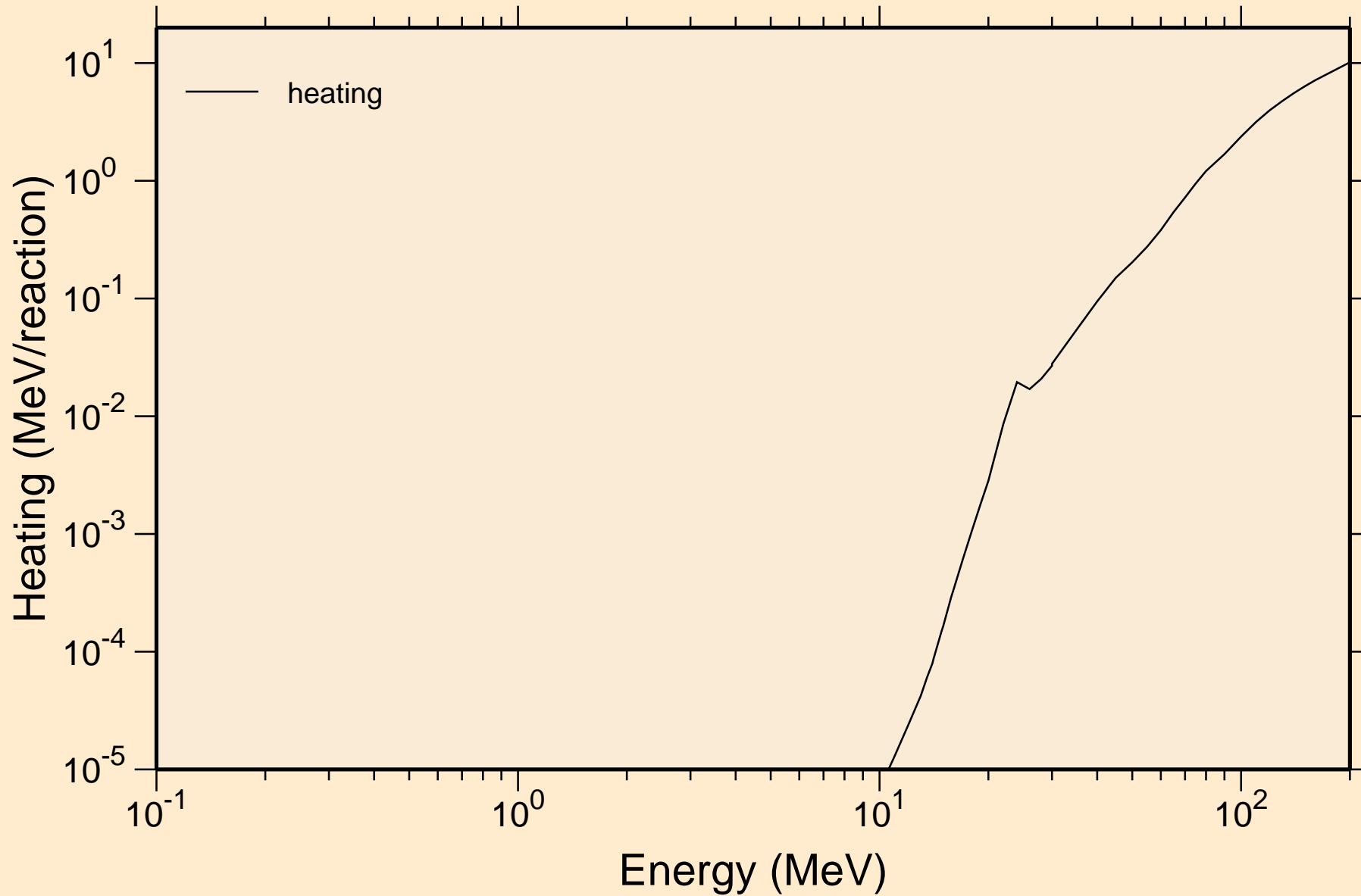


TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Principal cross sections



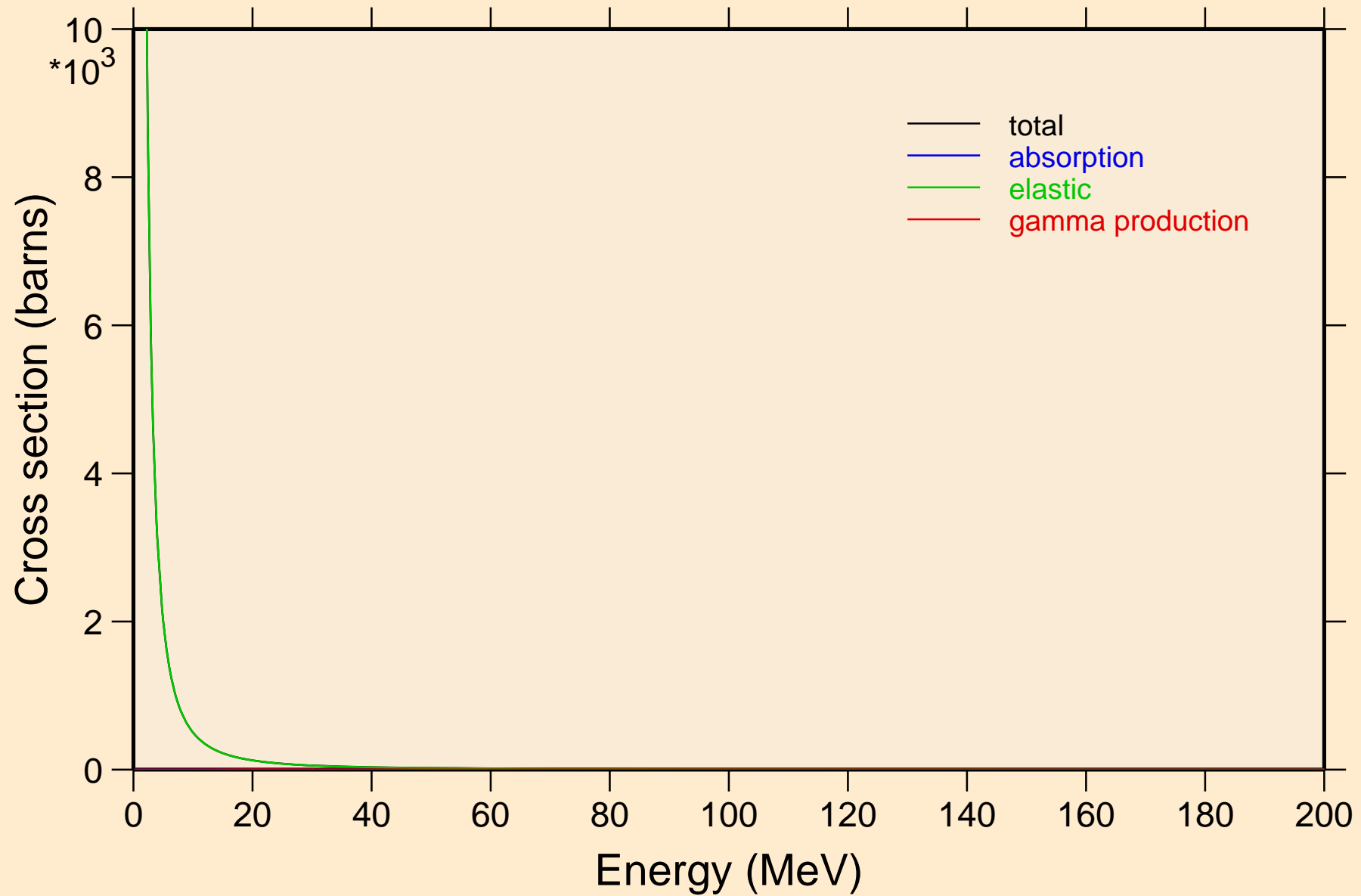
# TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Heating



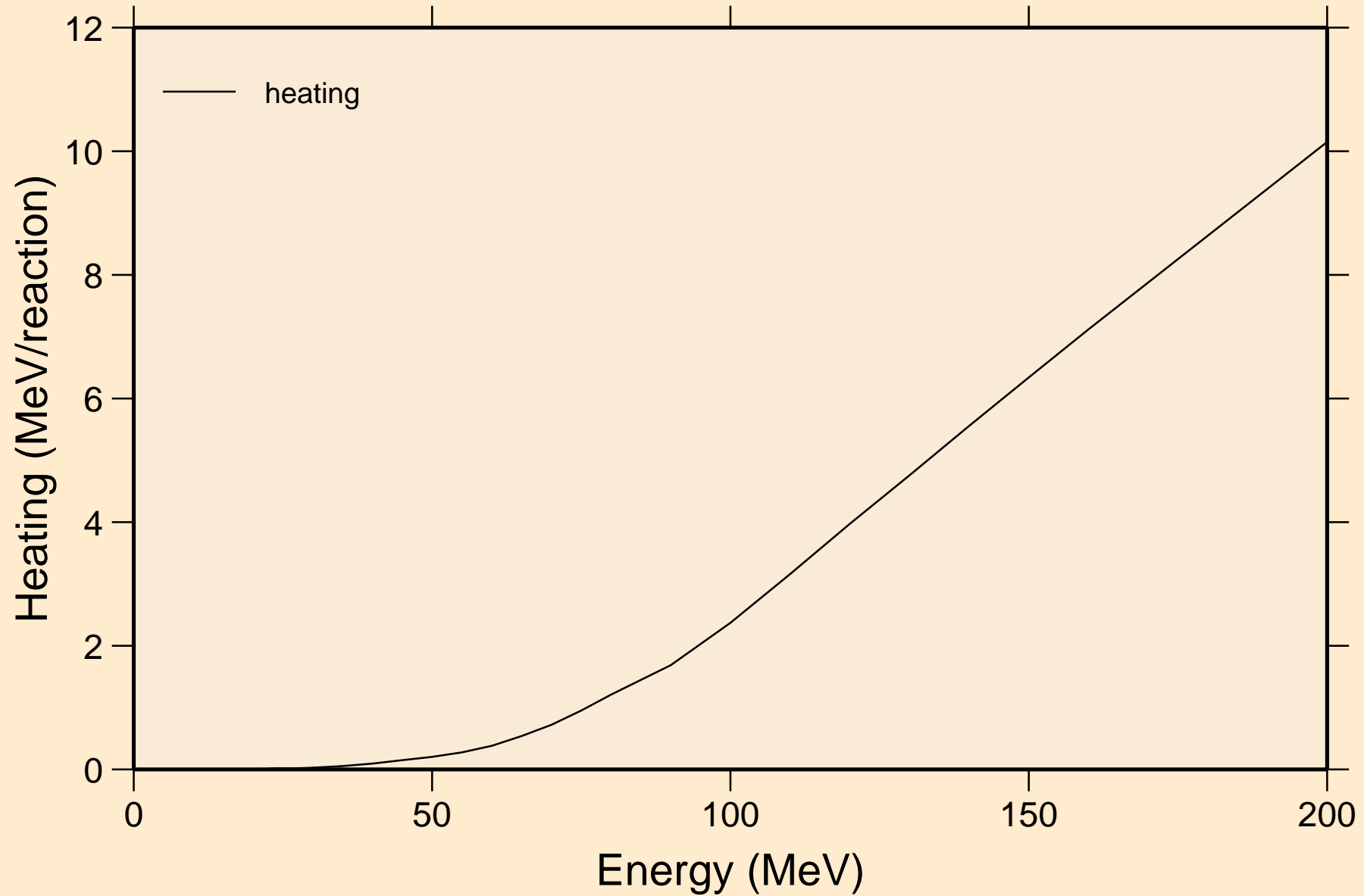
# TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



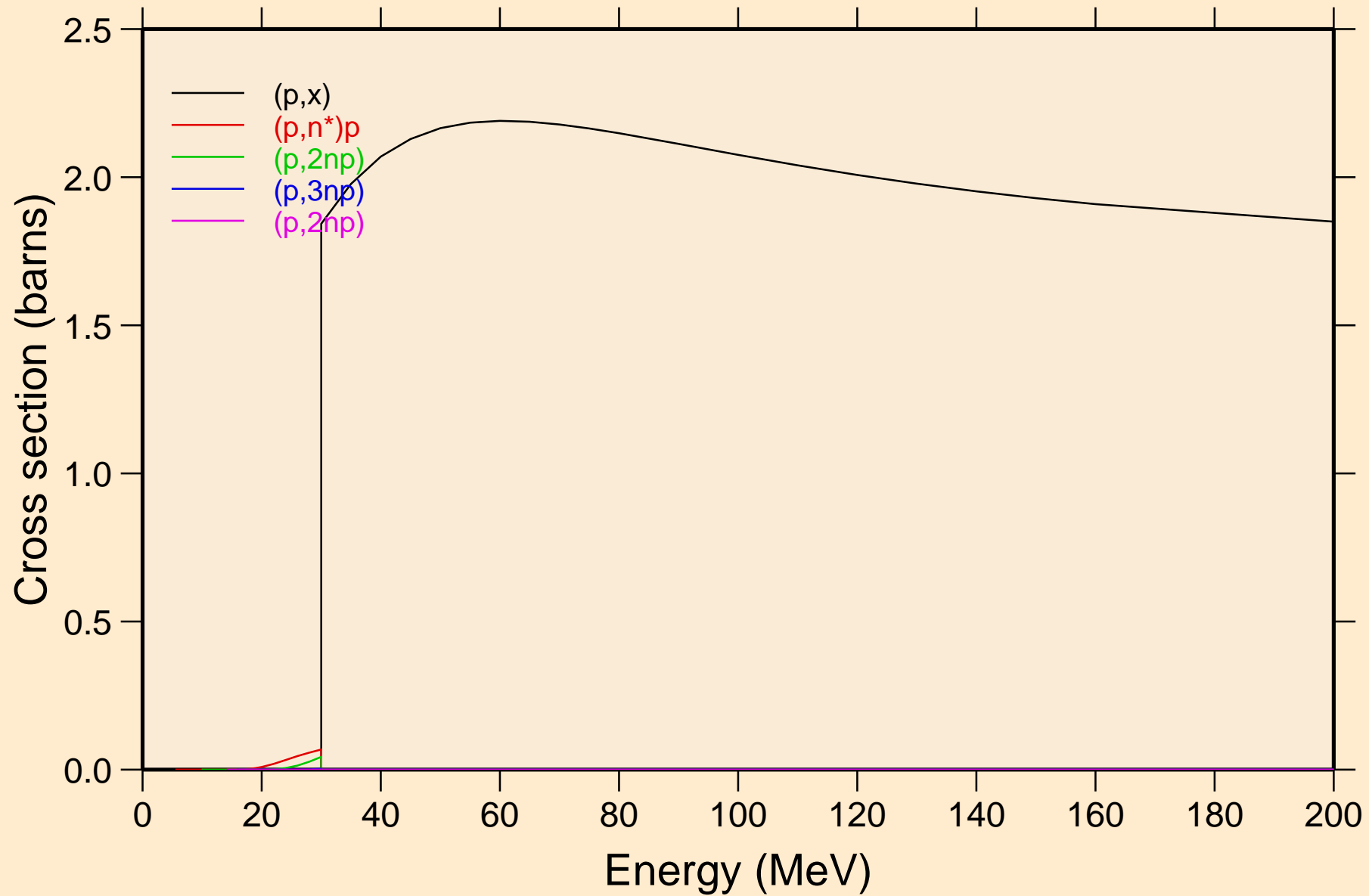
# TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Heating



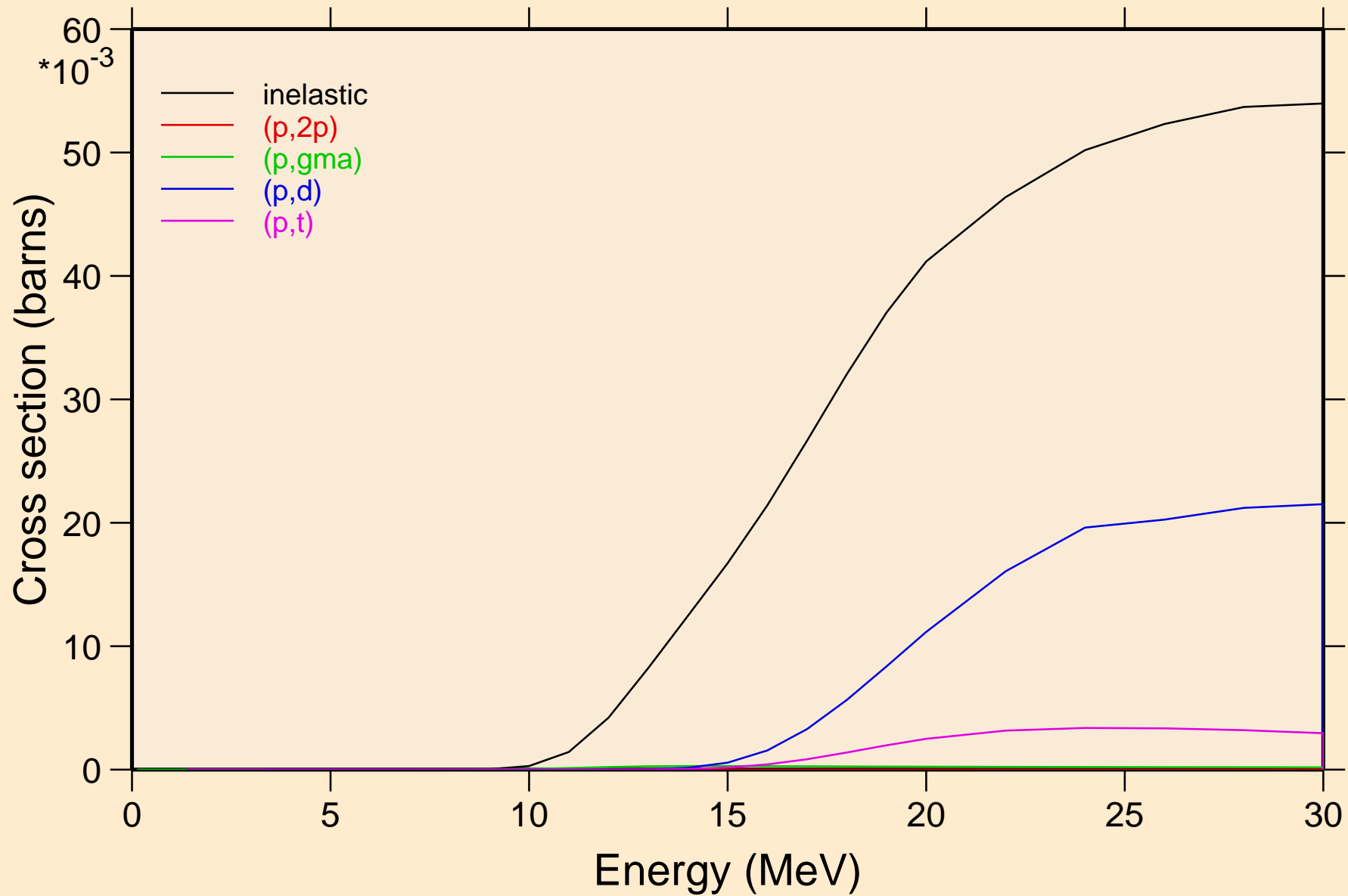
# TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions

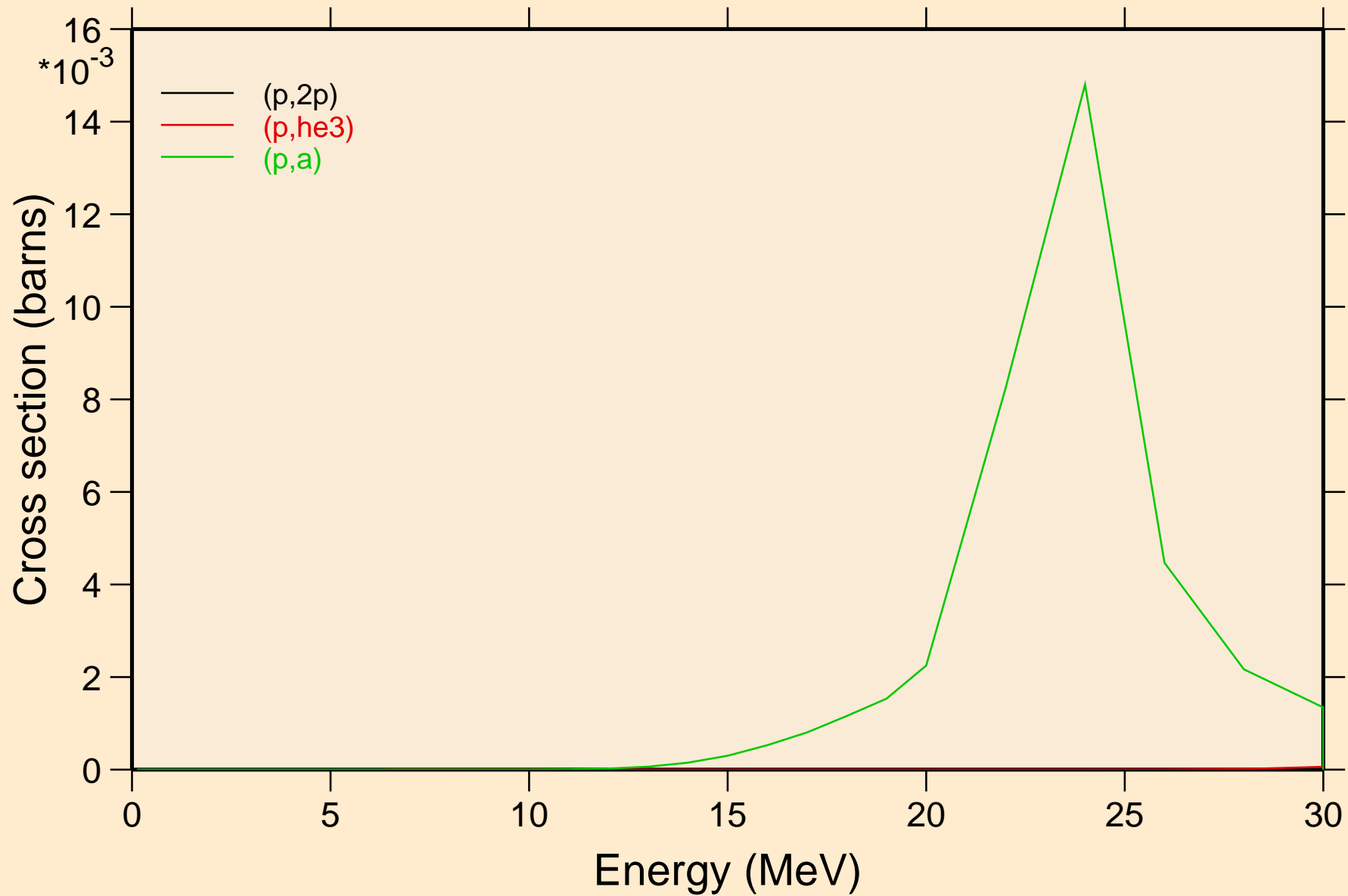


# TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K

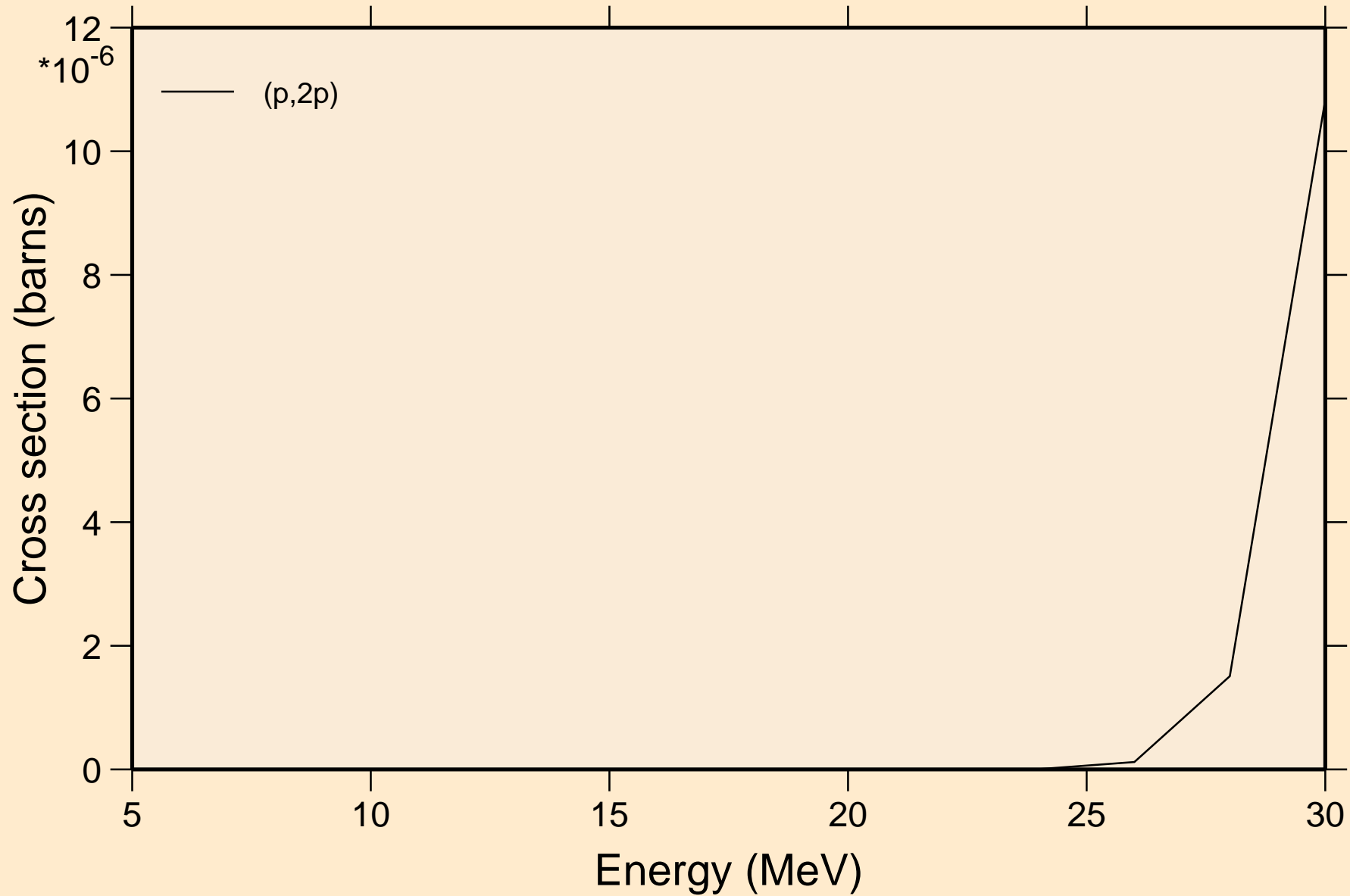
## Threshold reactions



TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

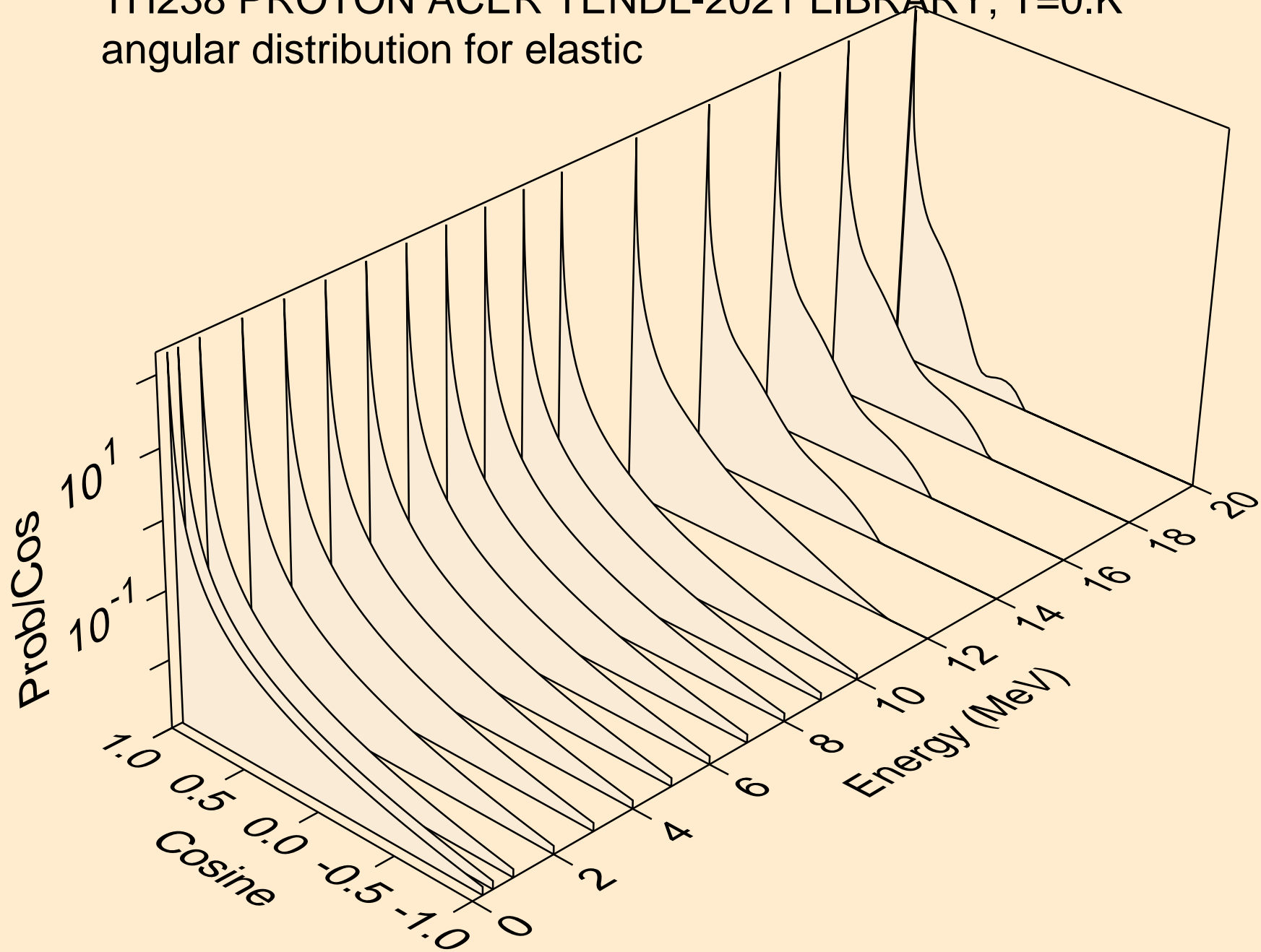


TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

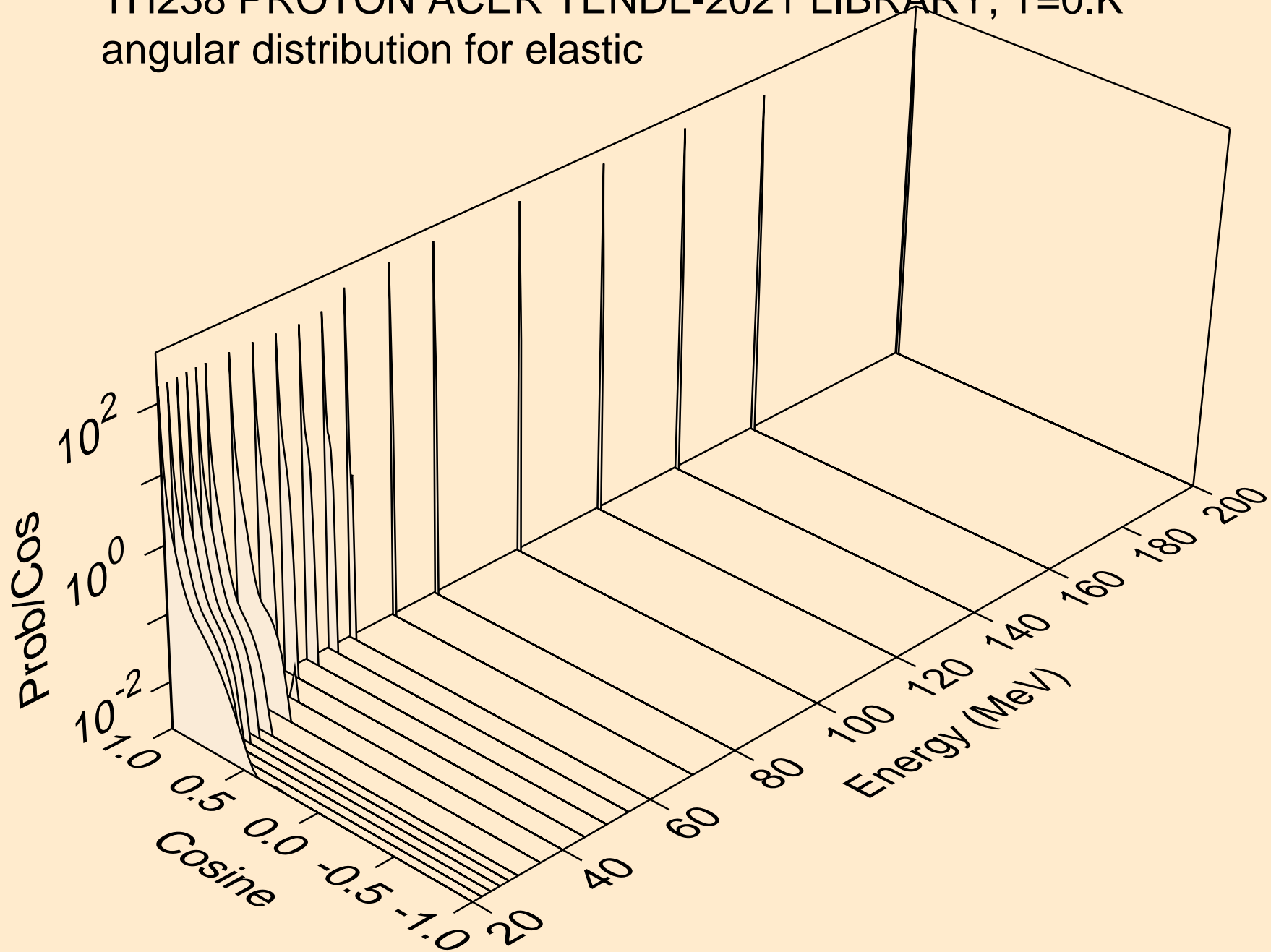




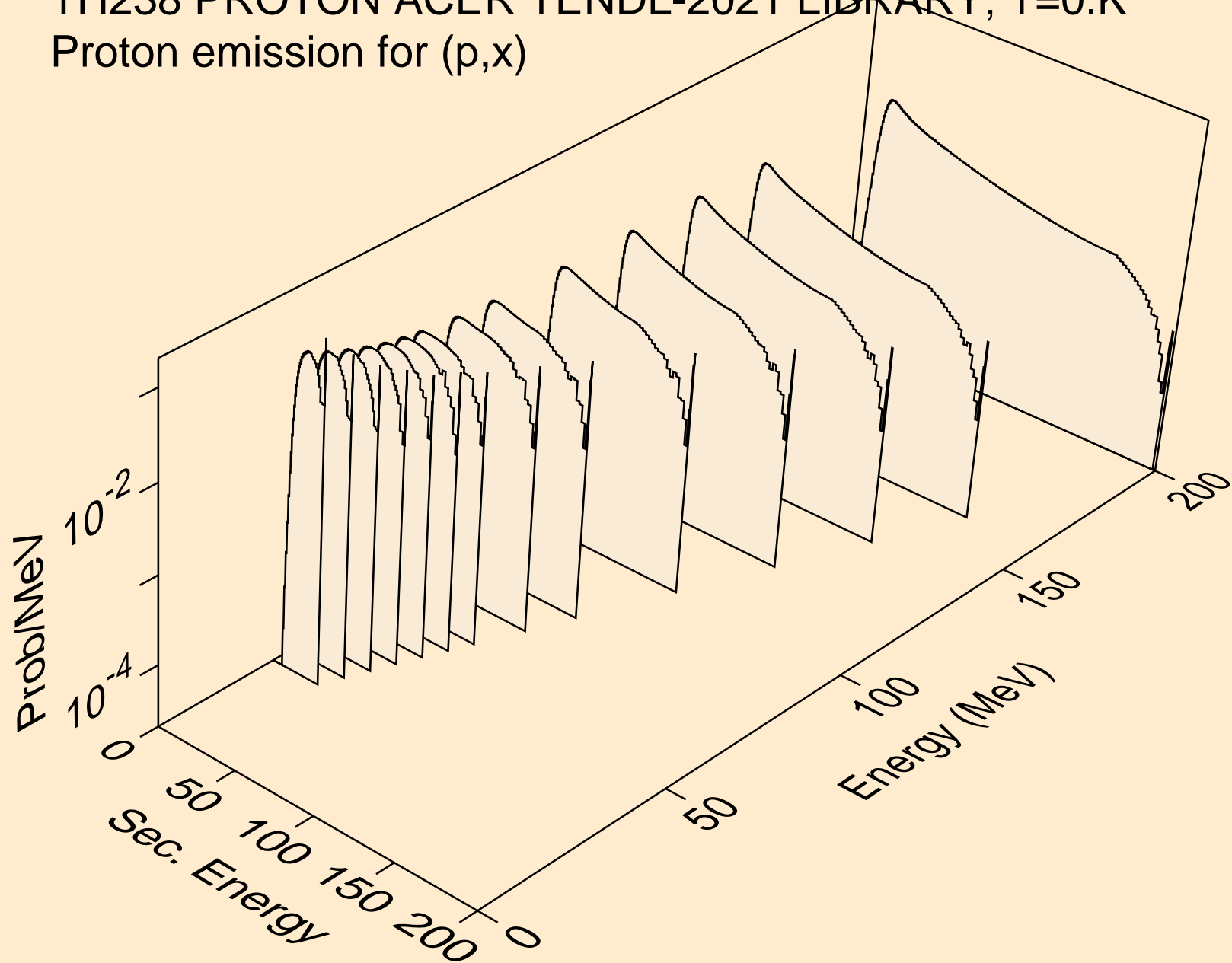
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



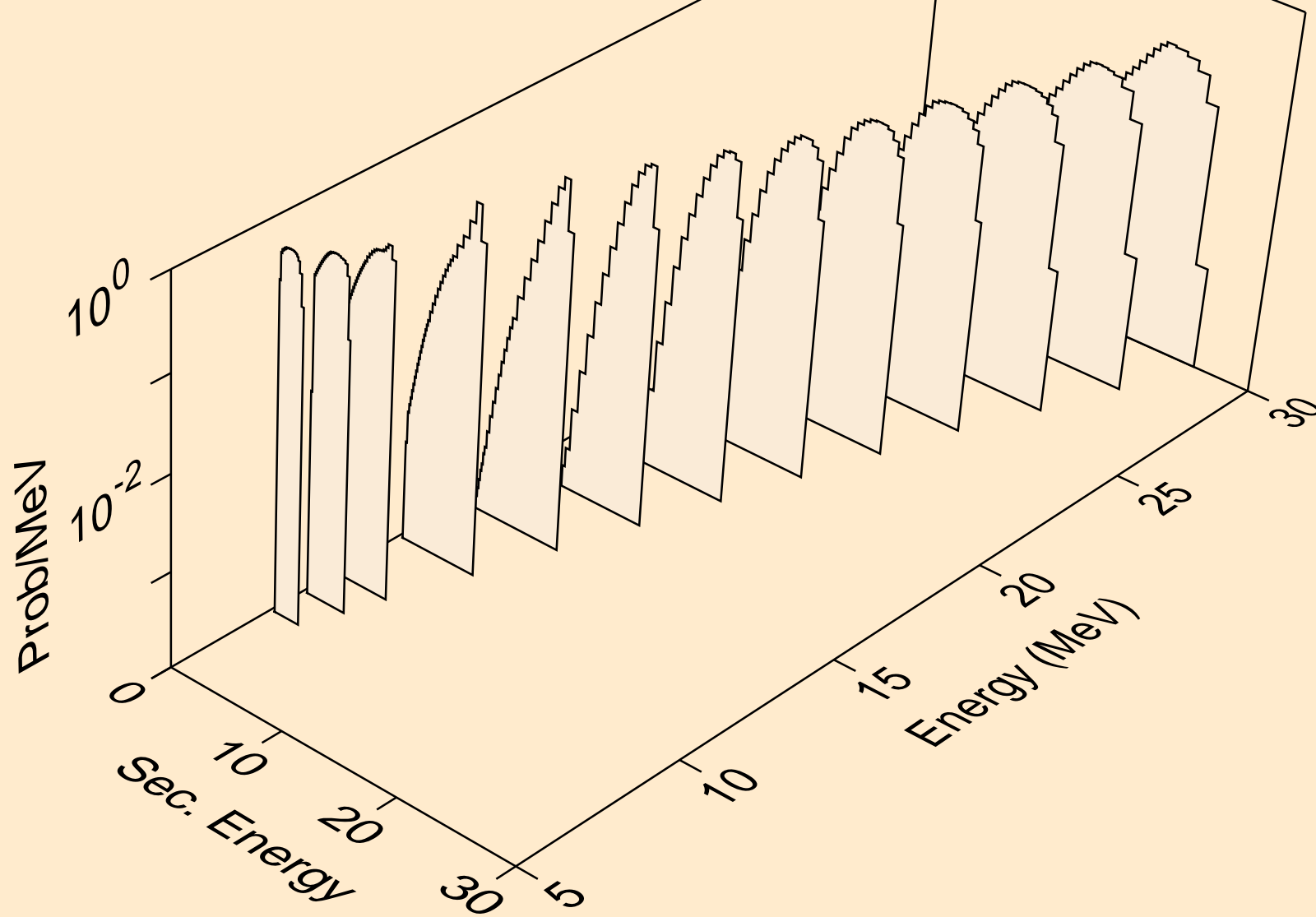
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



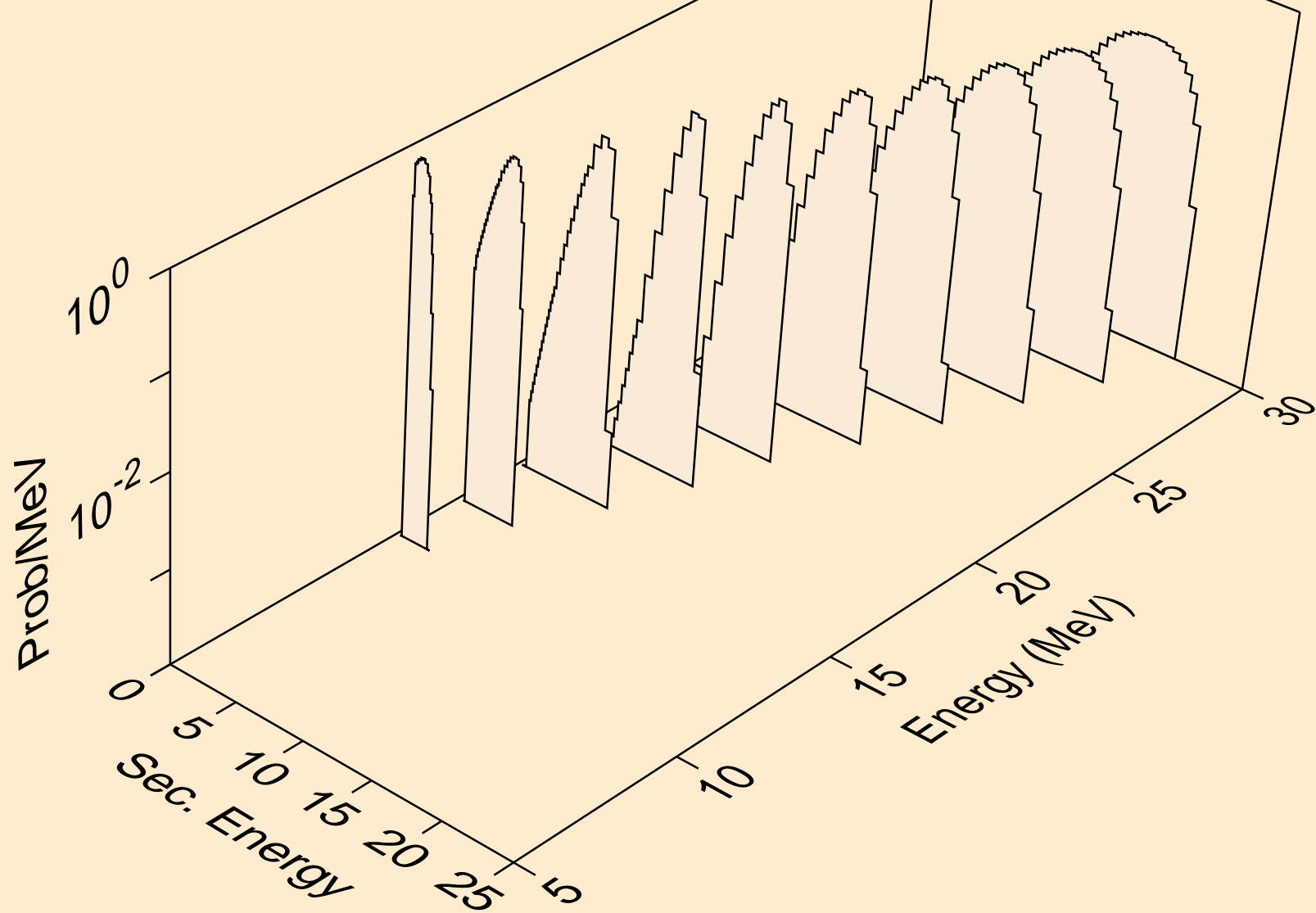
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,x)



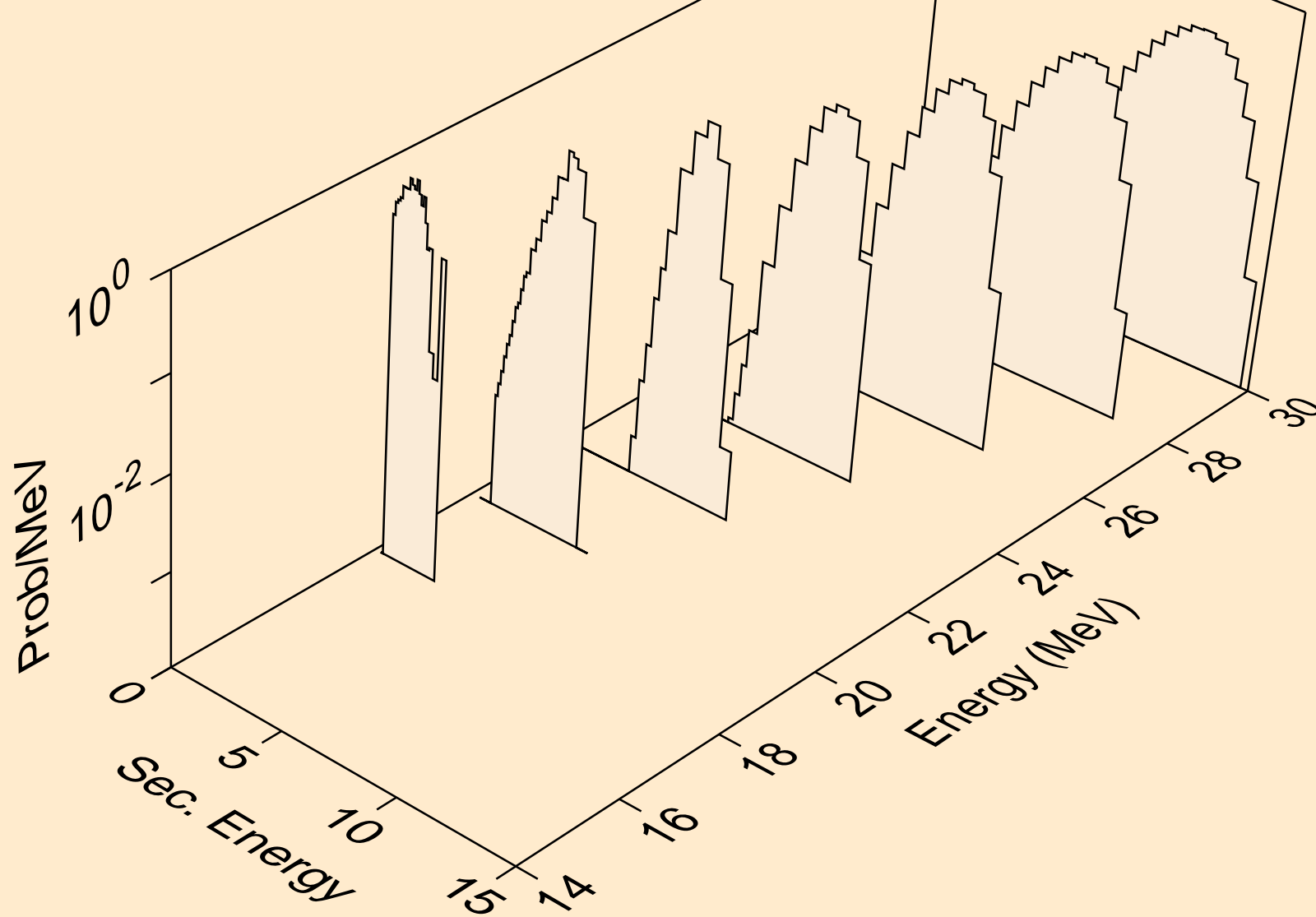
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



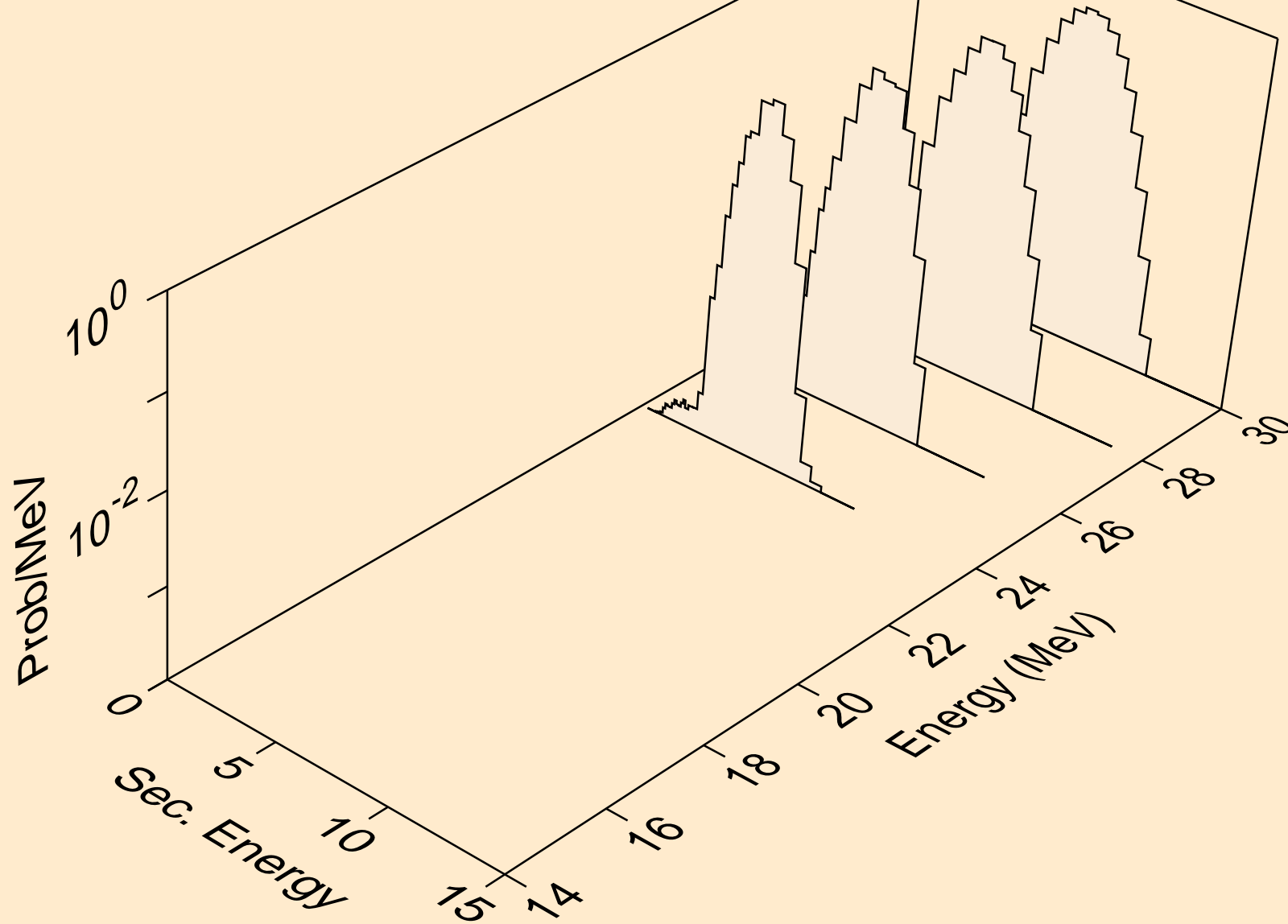
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



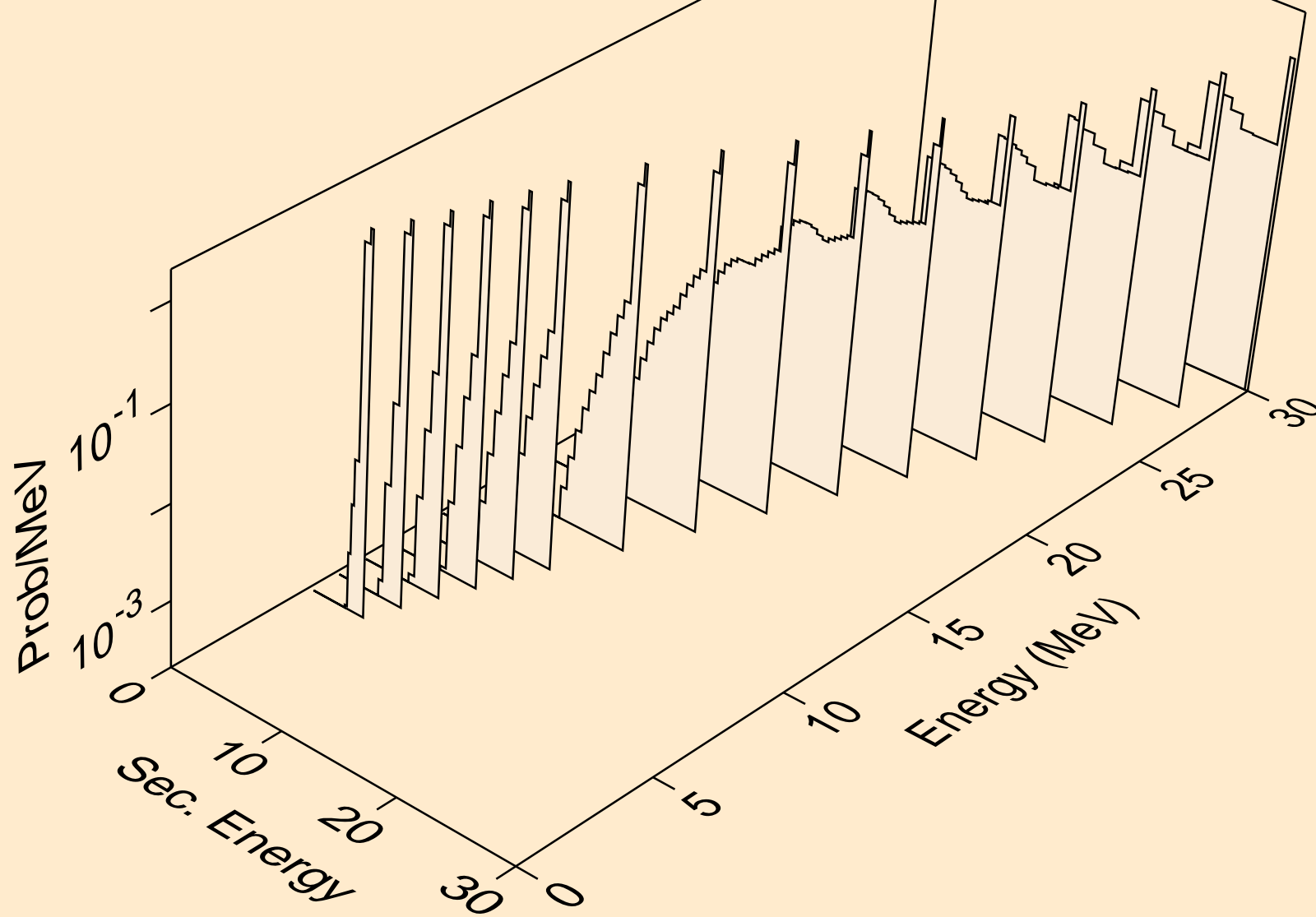
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,3np)



TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)

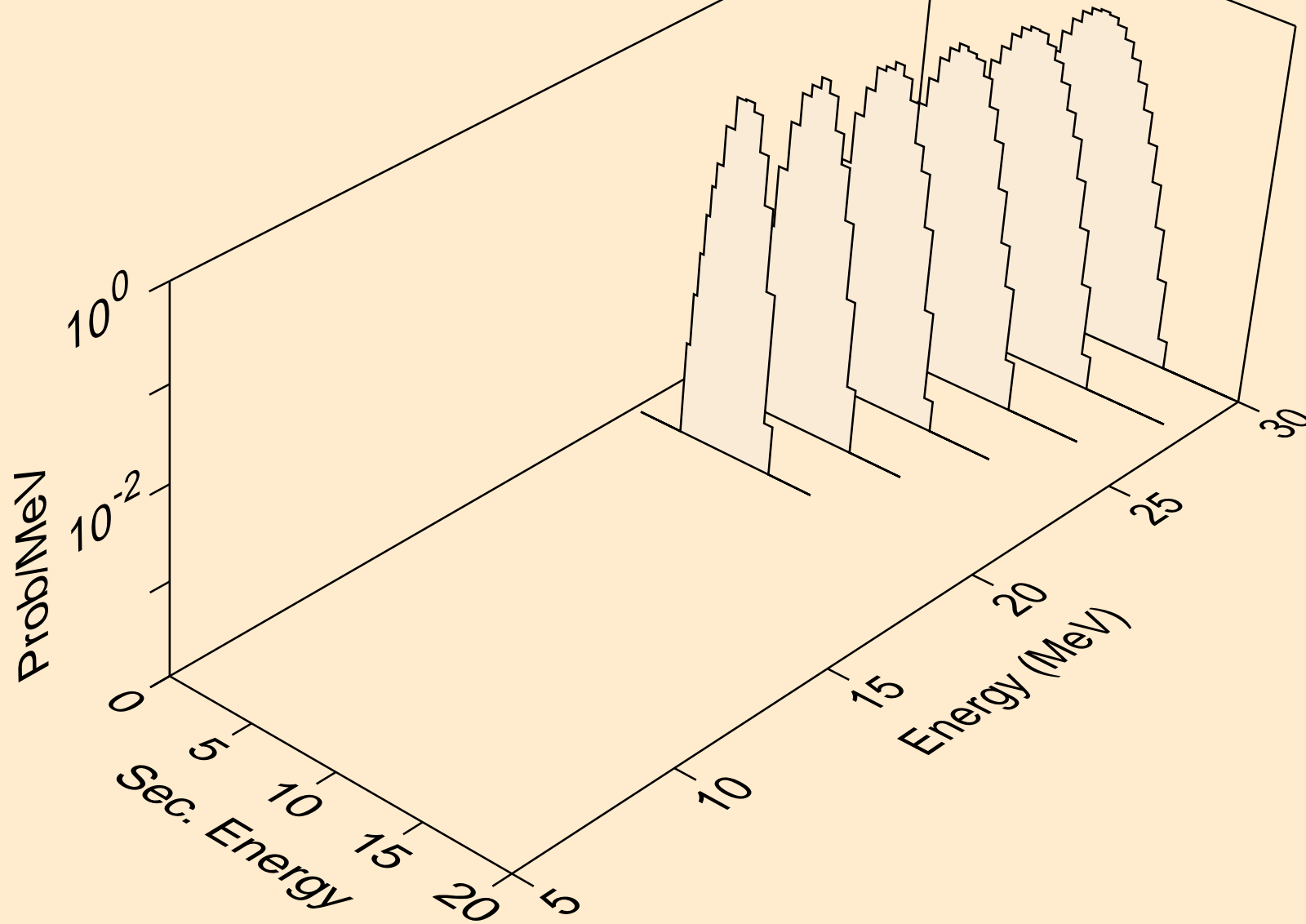


TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for inelastic

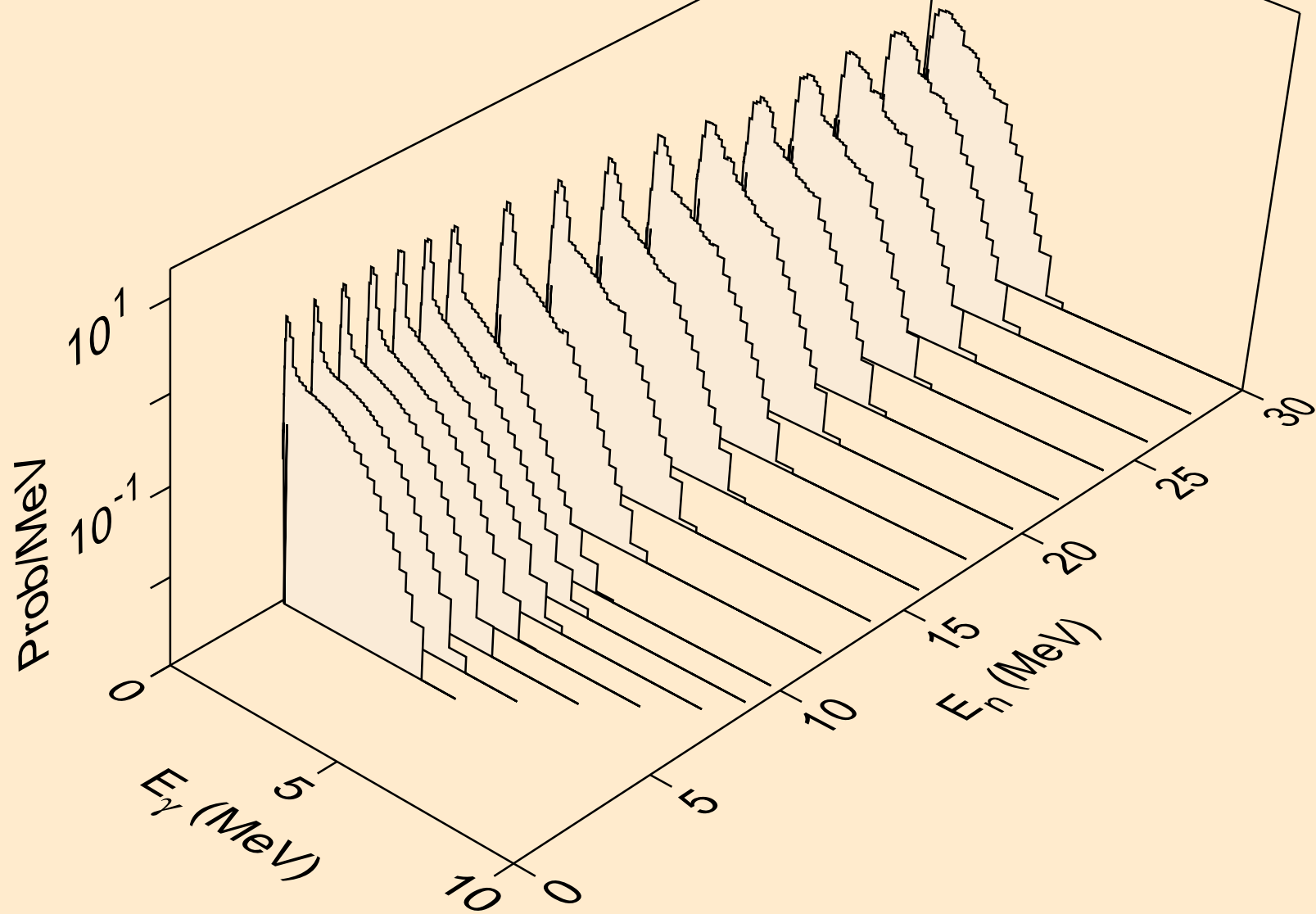




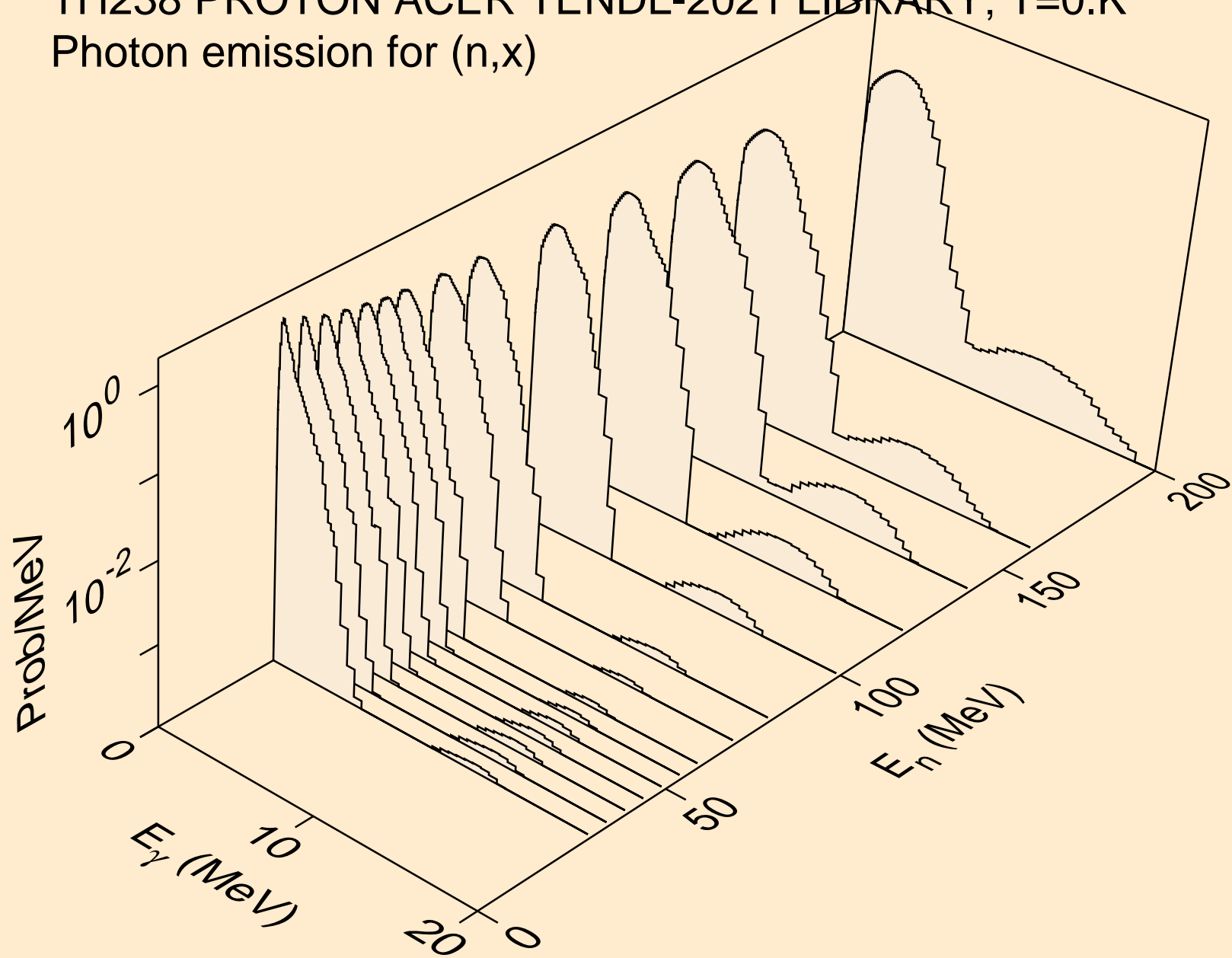
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2p)



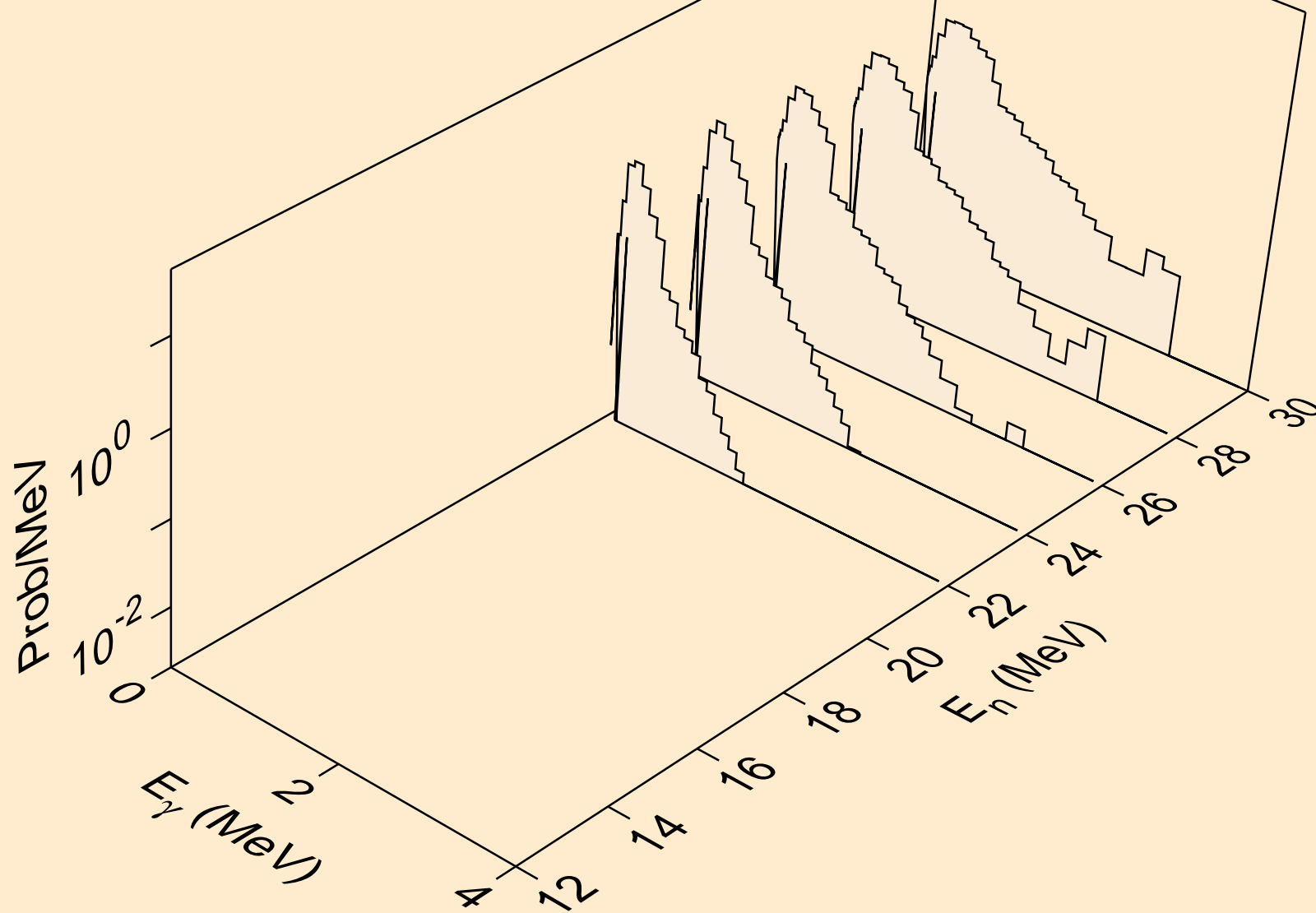
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



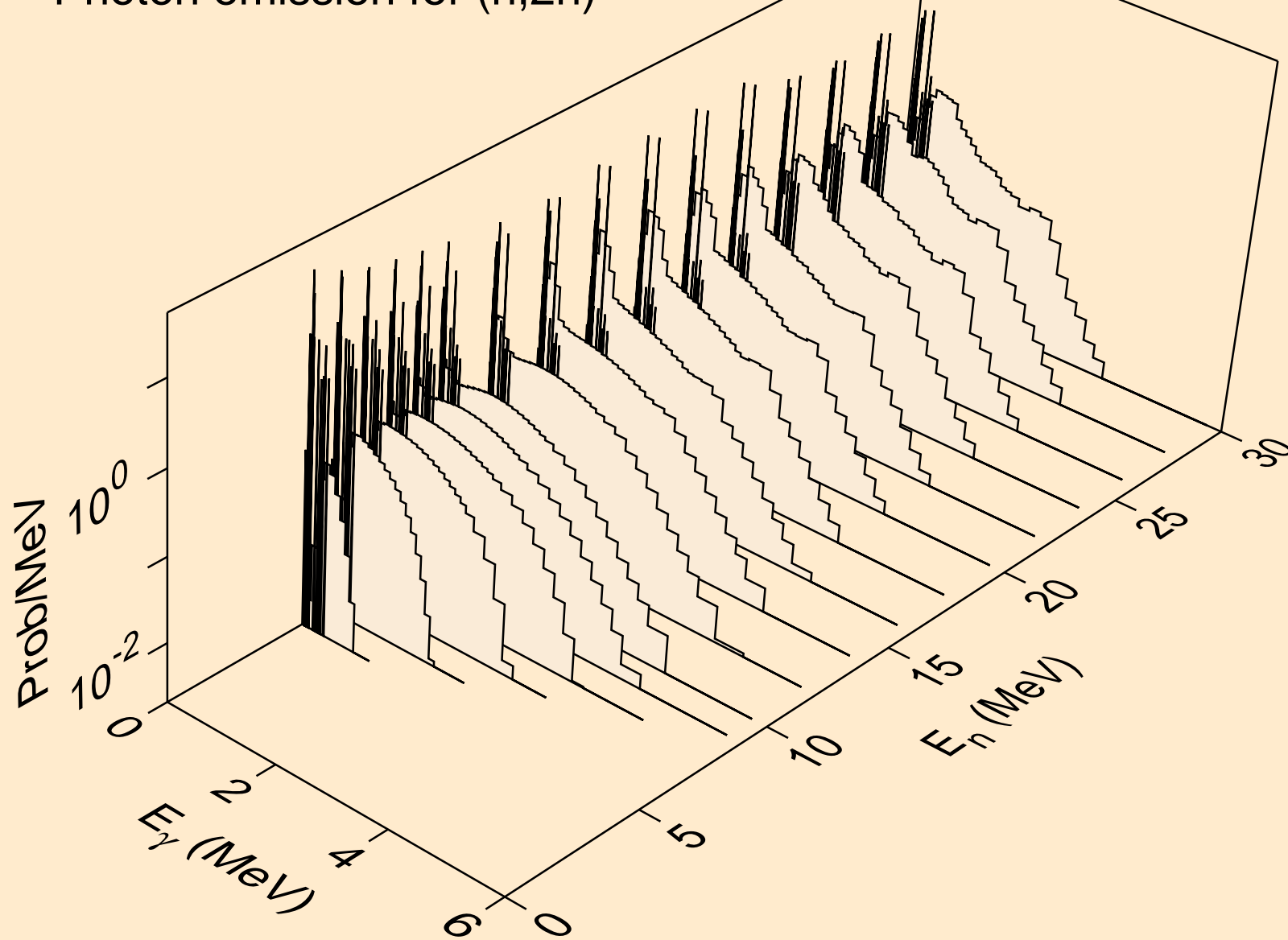
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



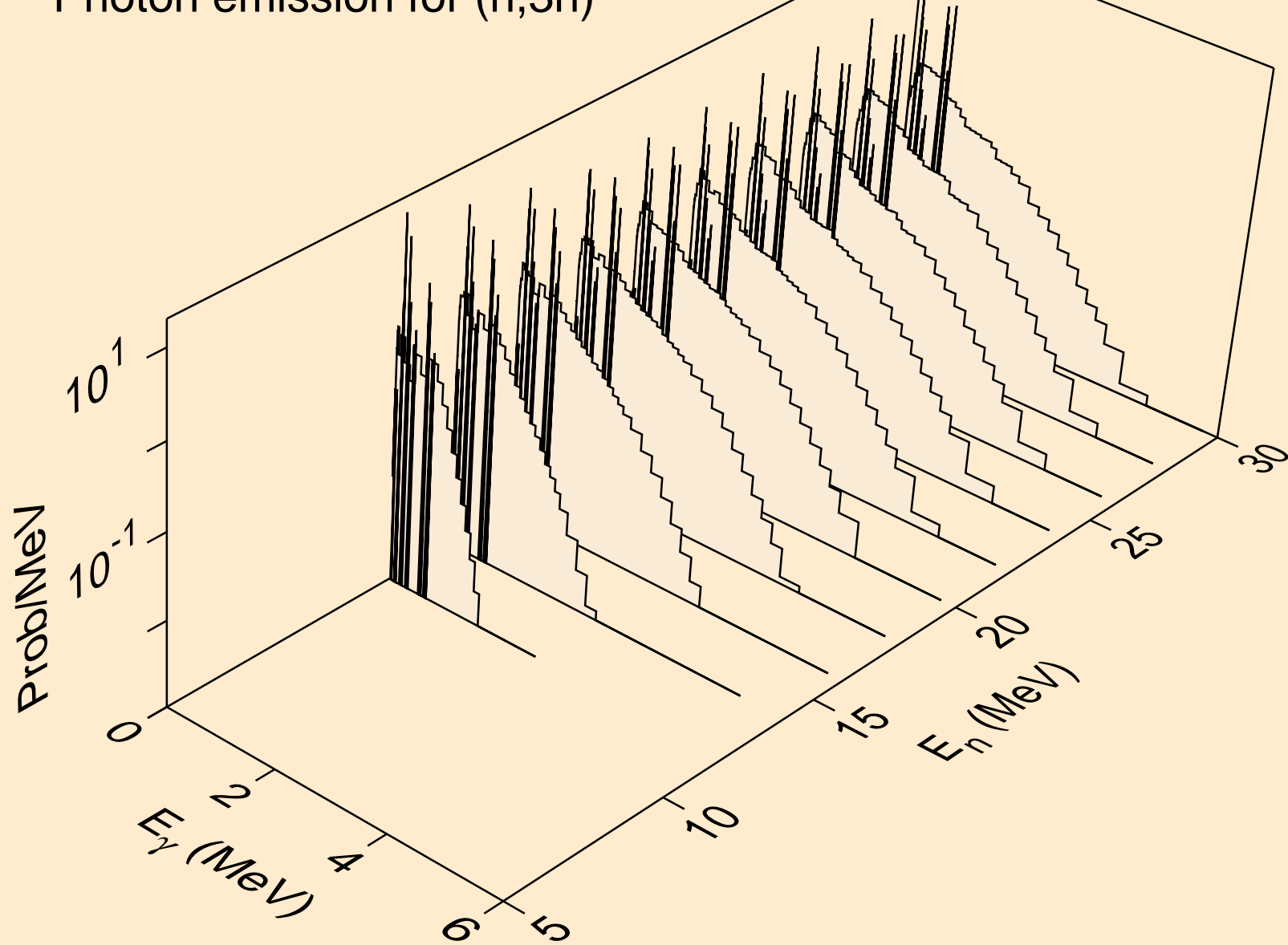
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)



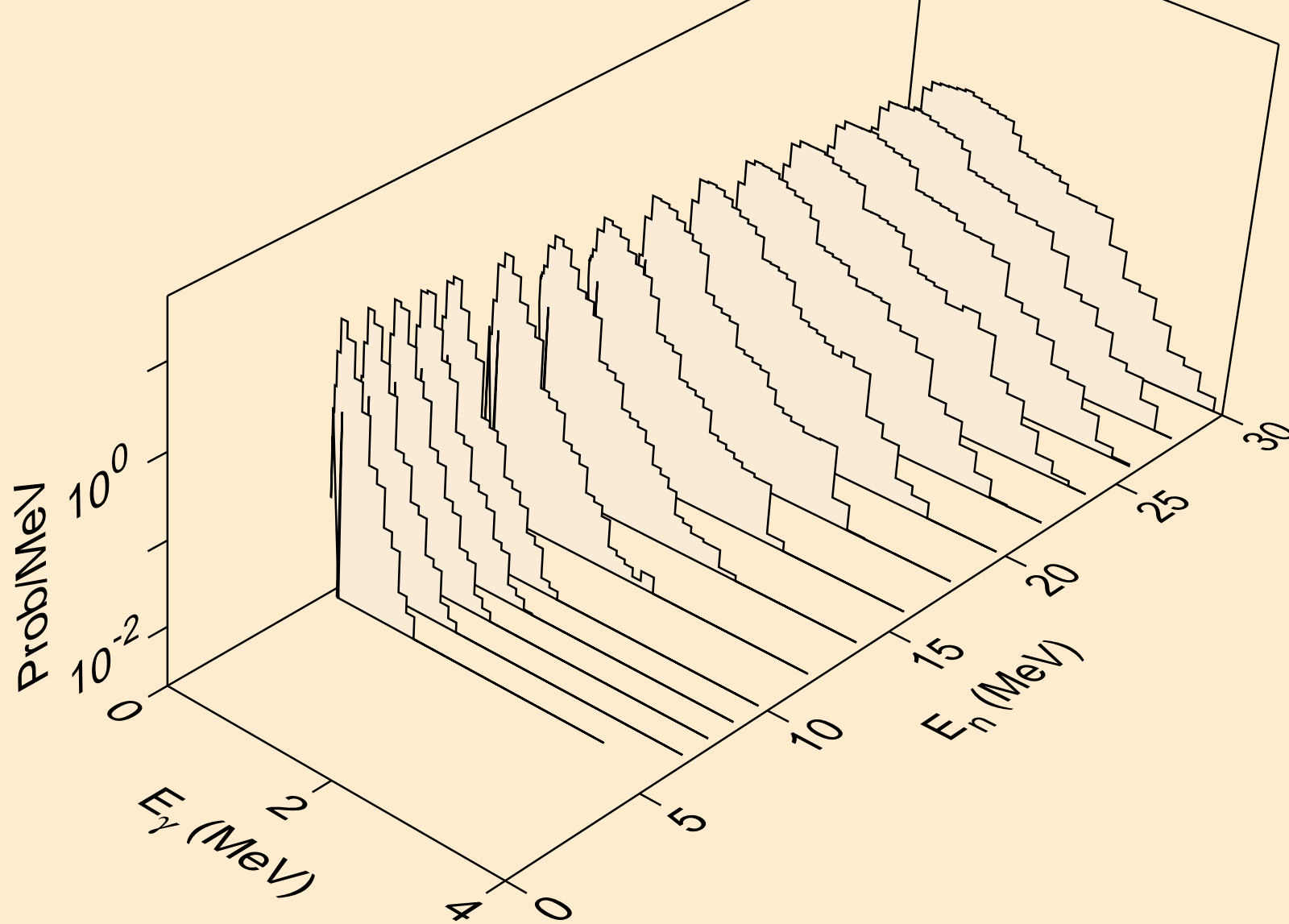
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)



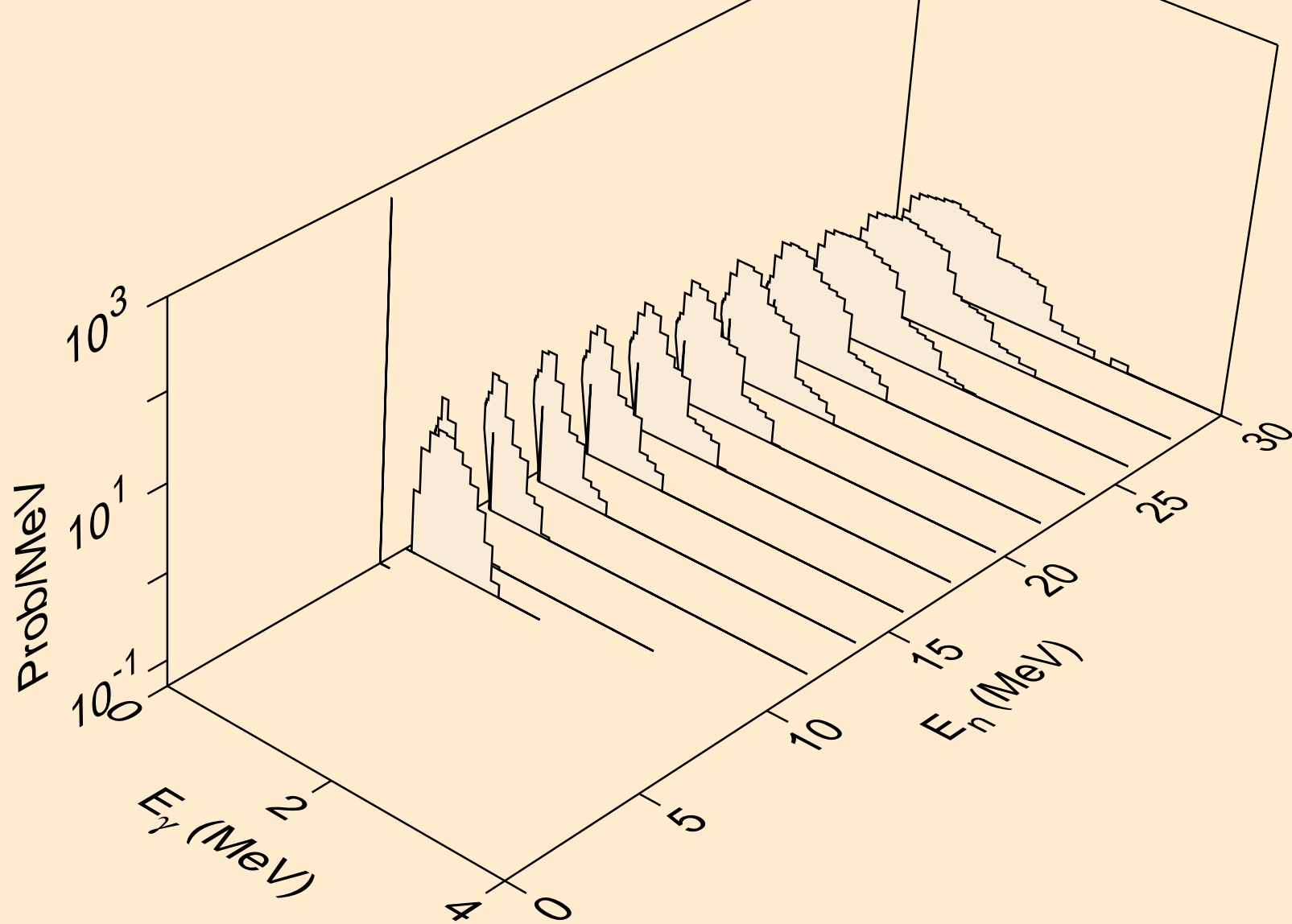
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)



TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

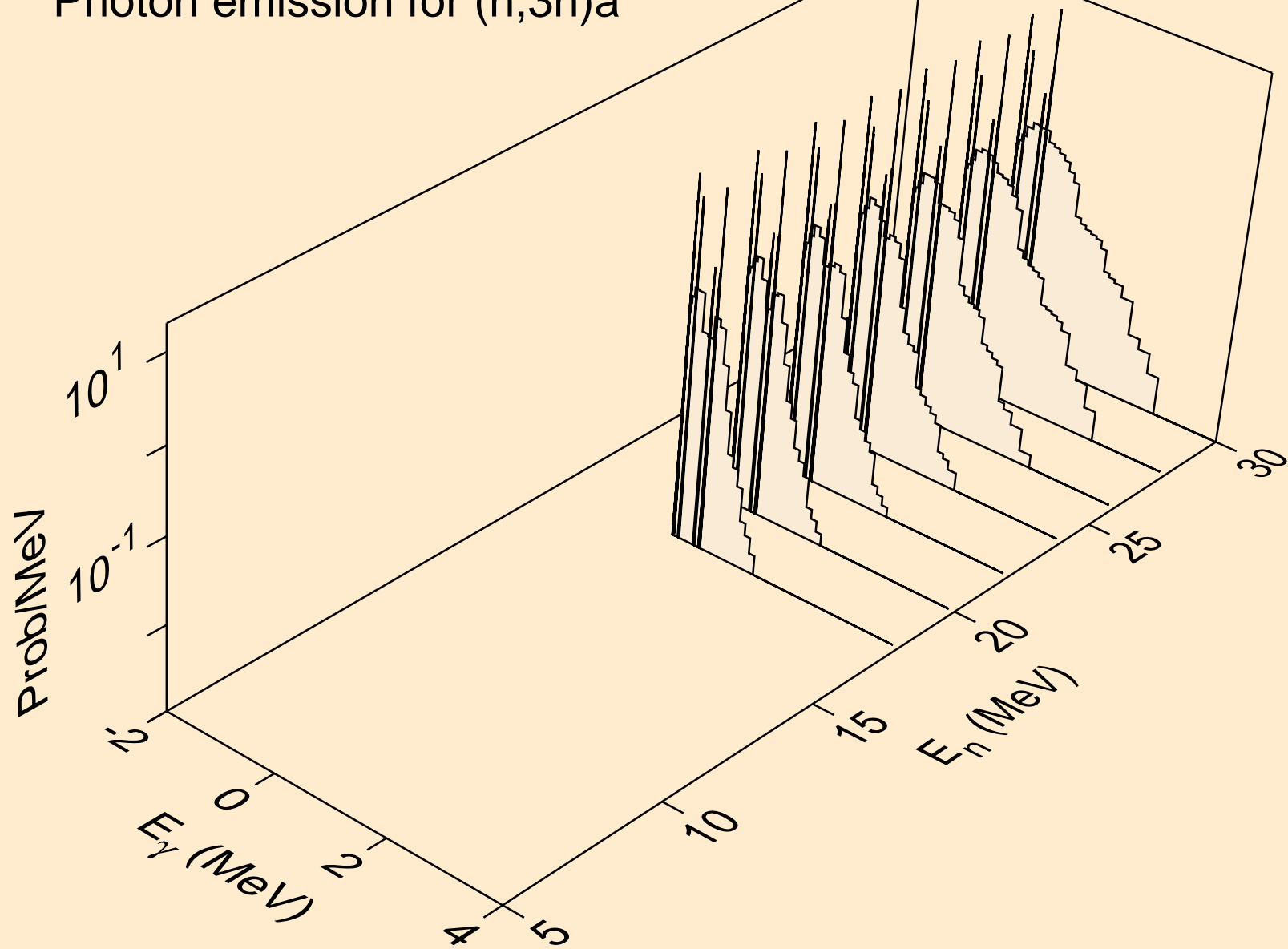


TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)a

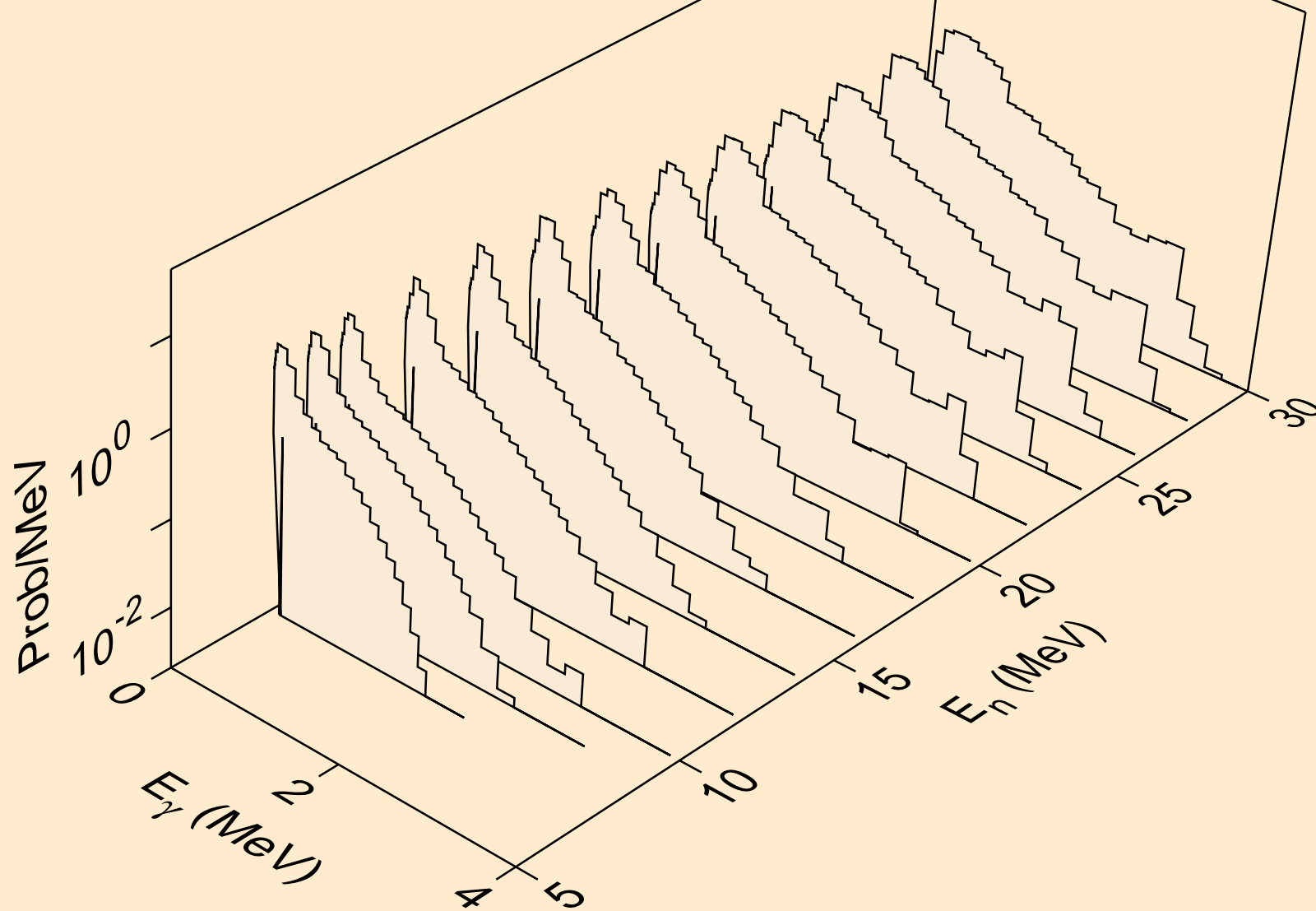




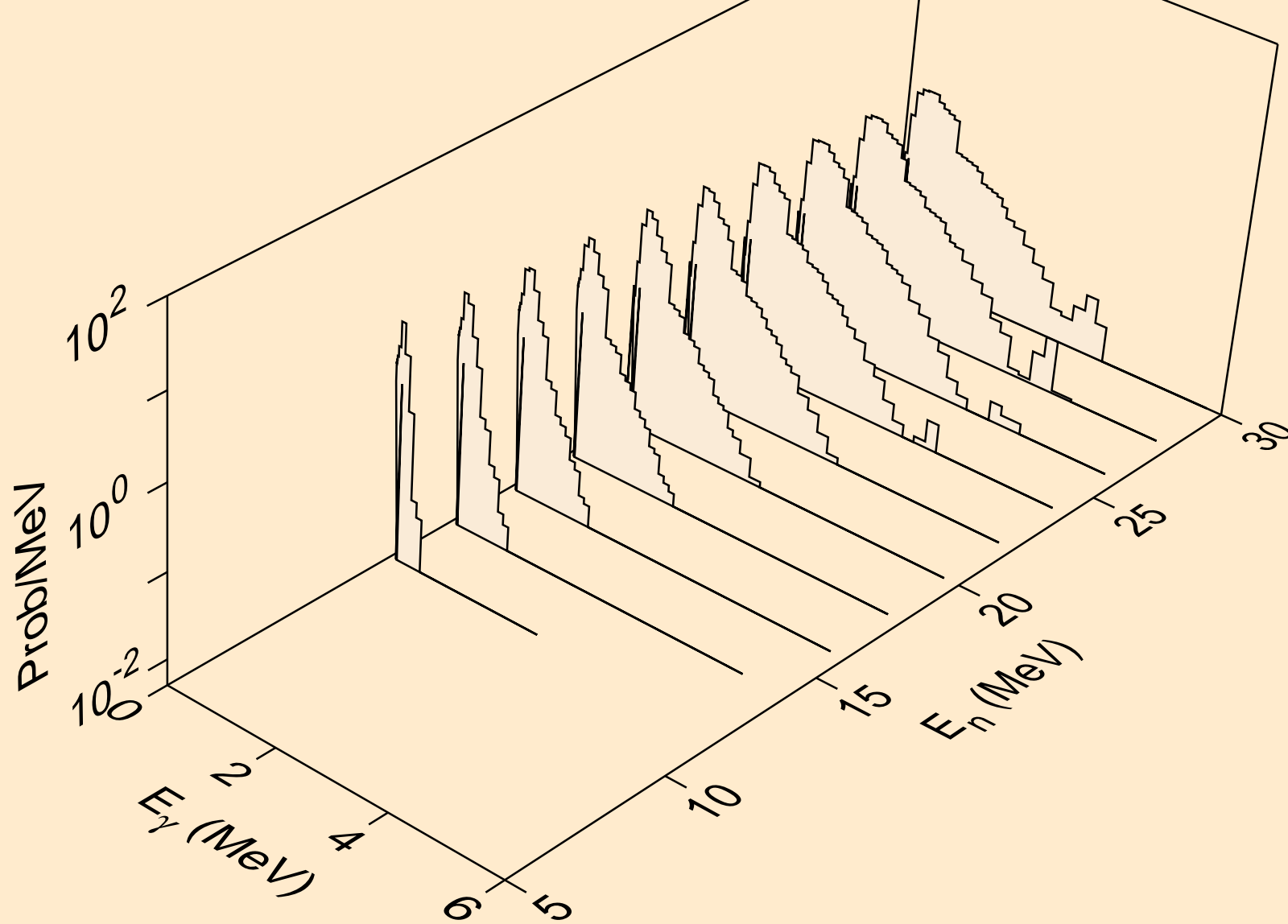
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)a



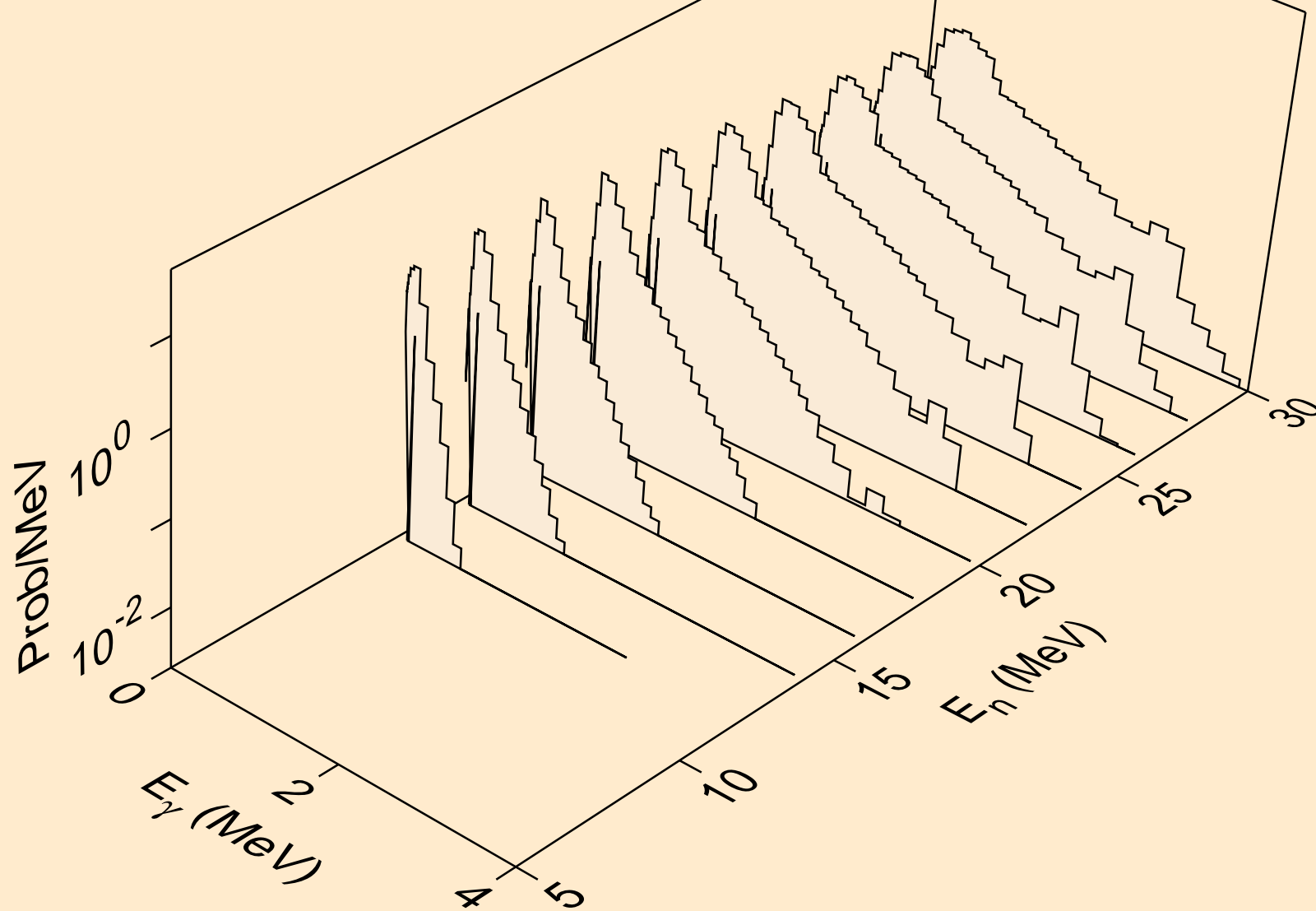
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



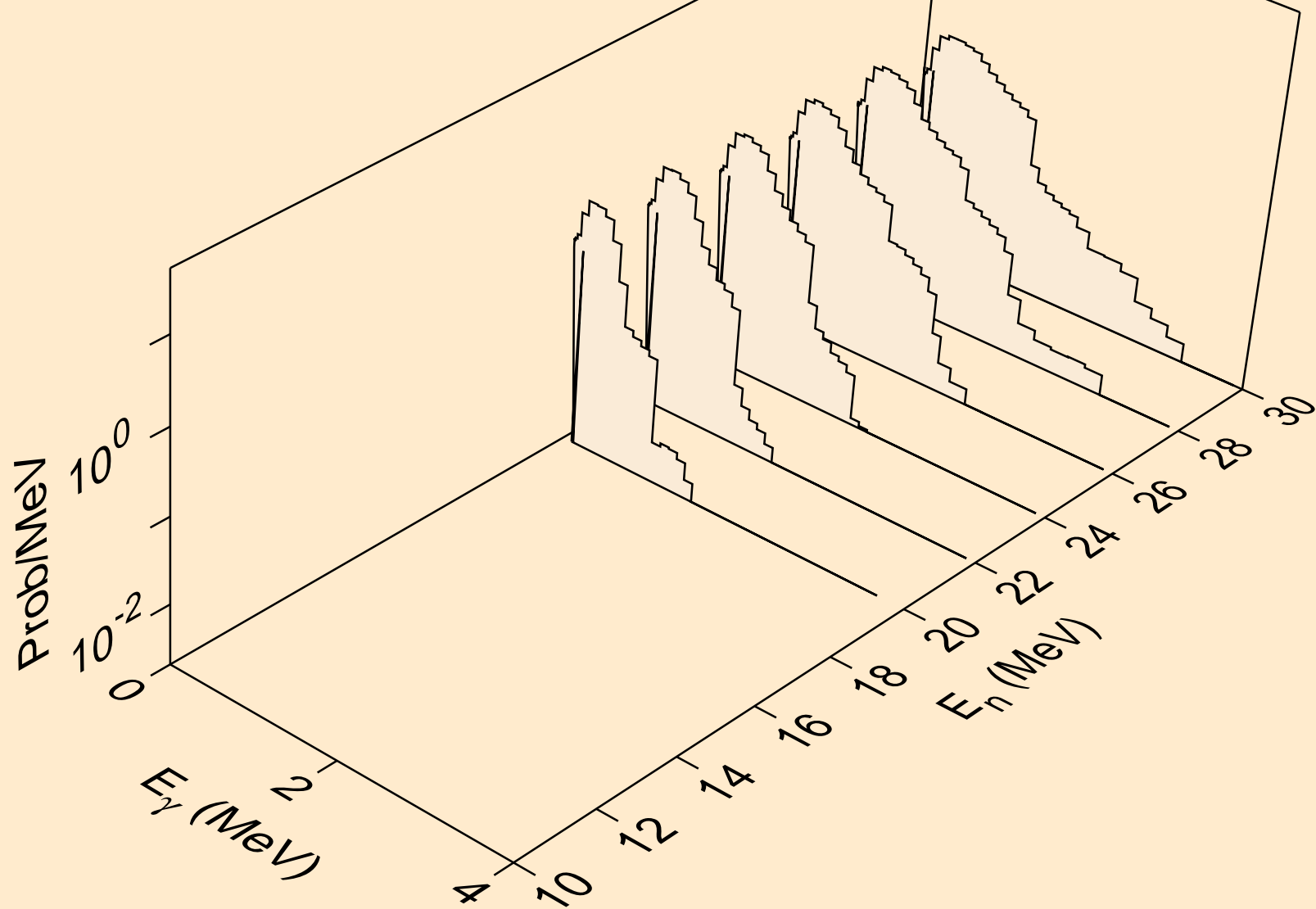
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



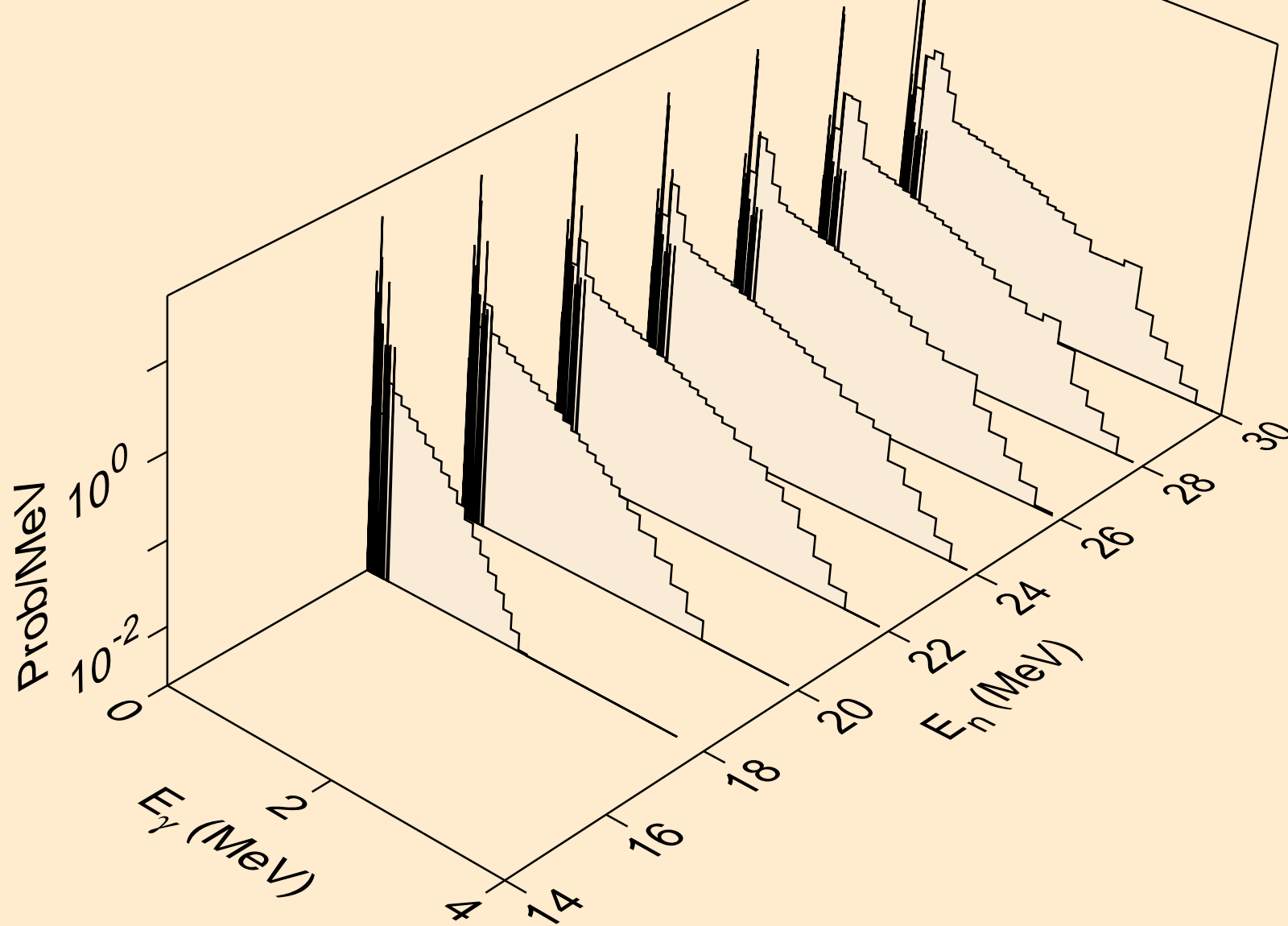
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



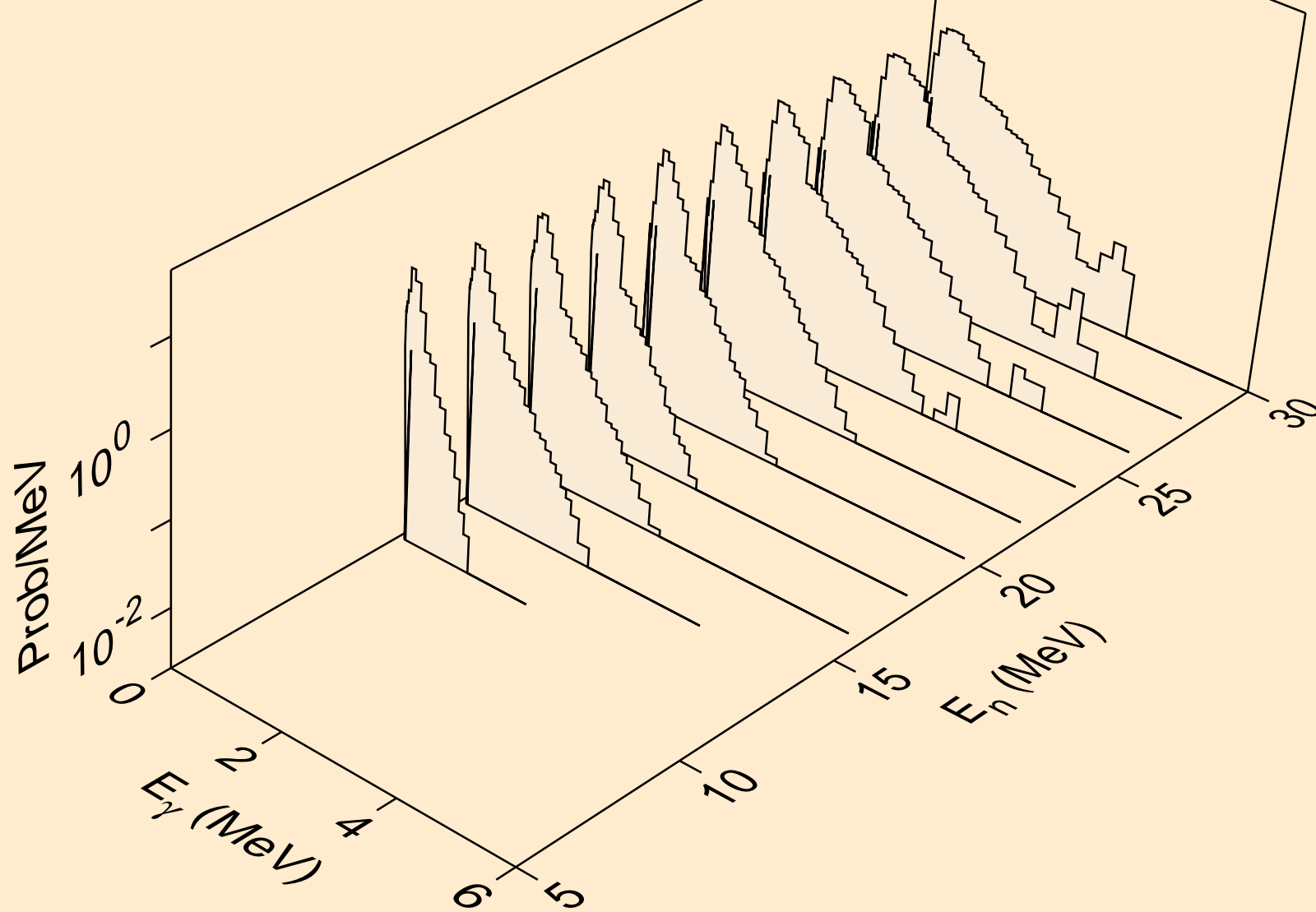
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



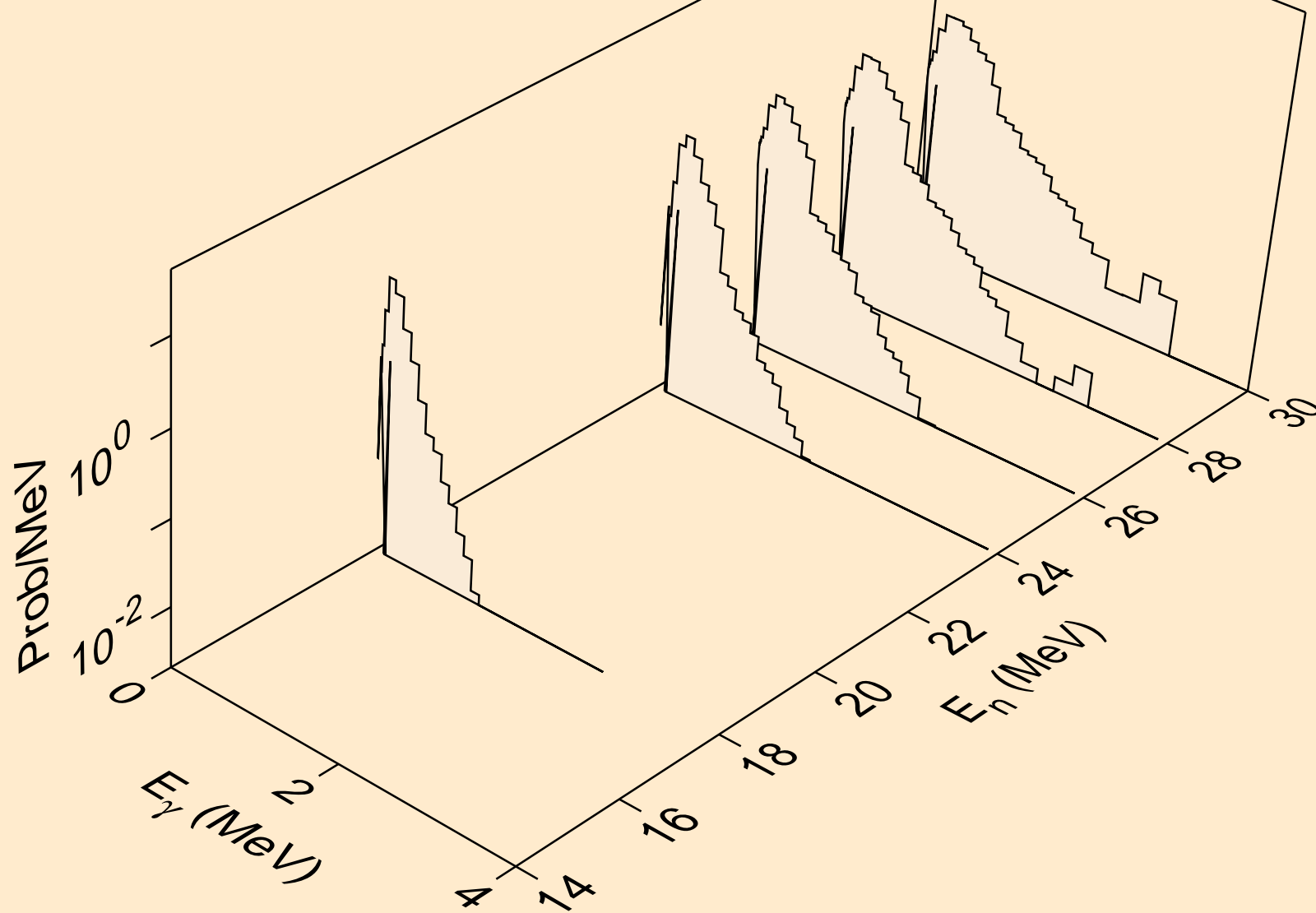
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,4n)



TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)

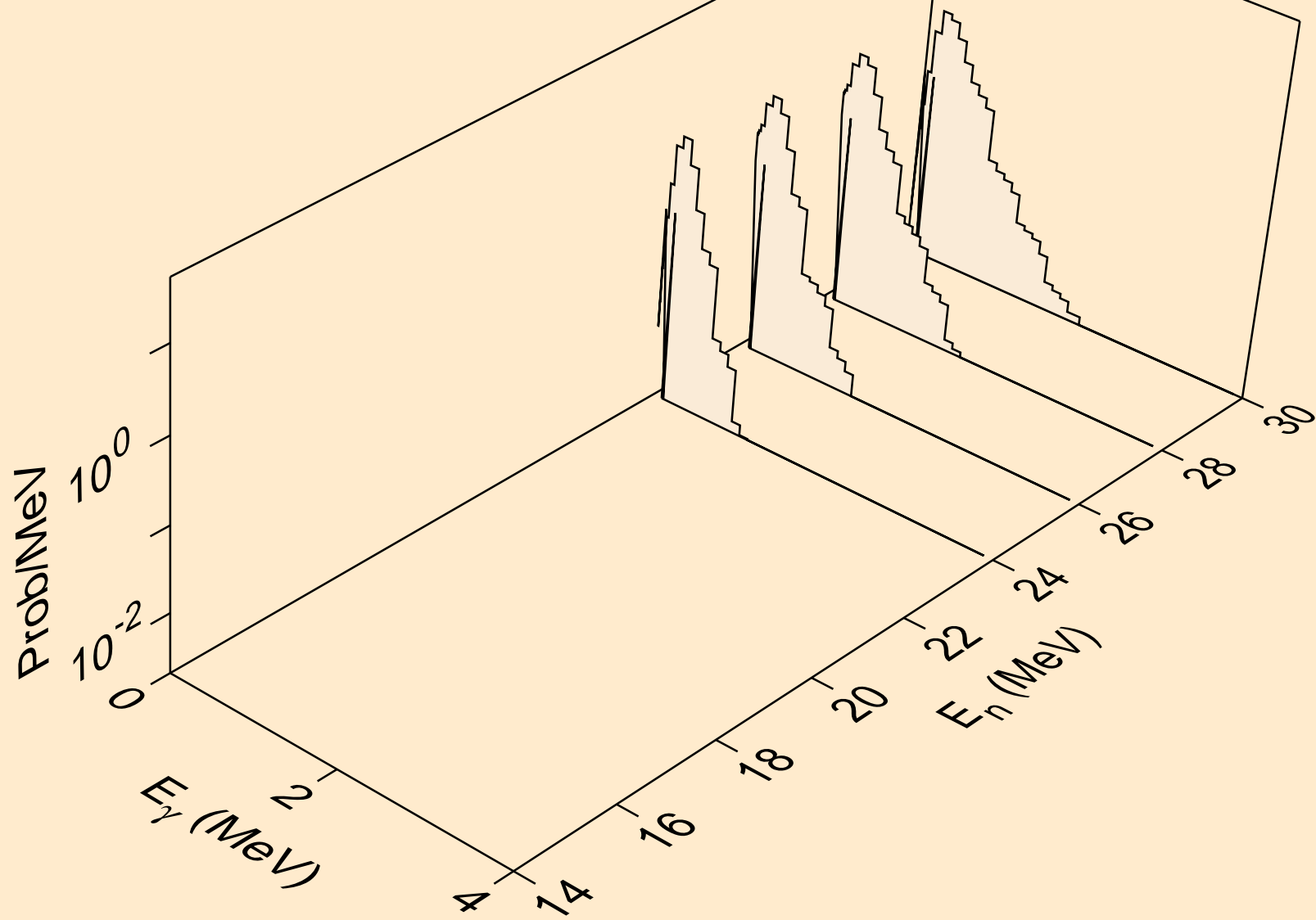


TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3np)

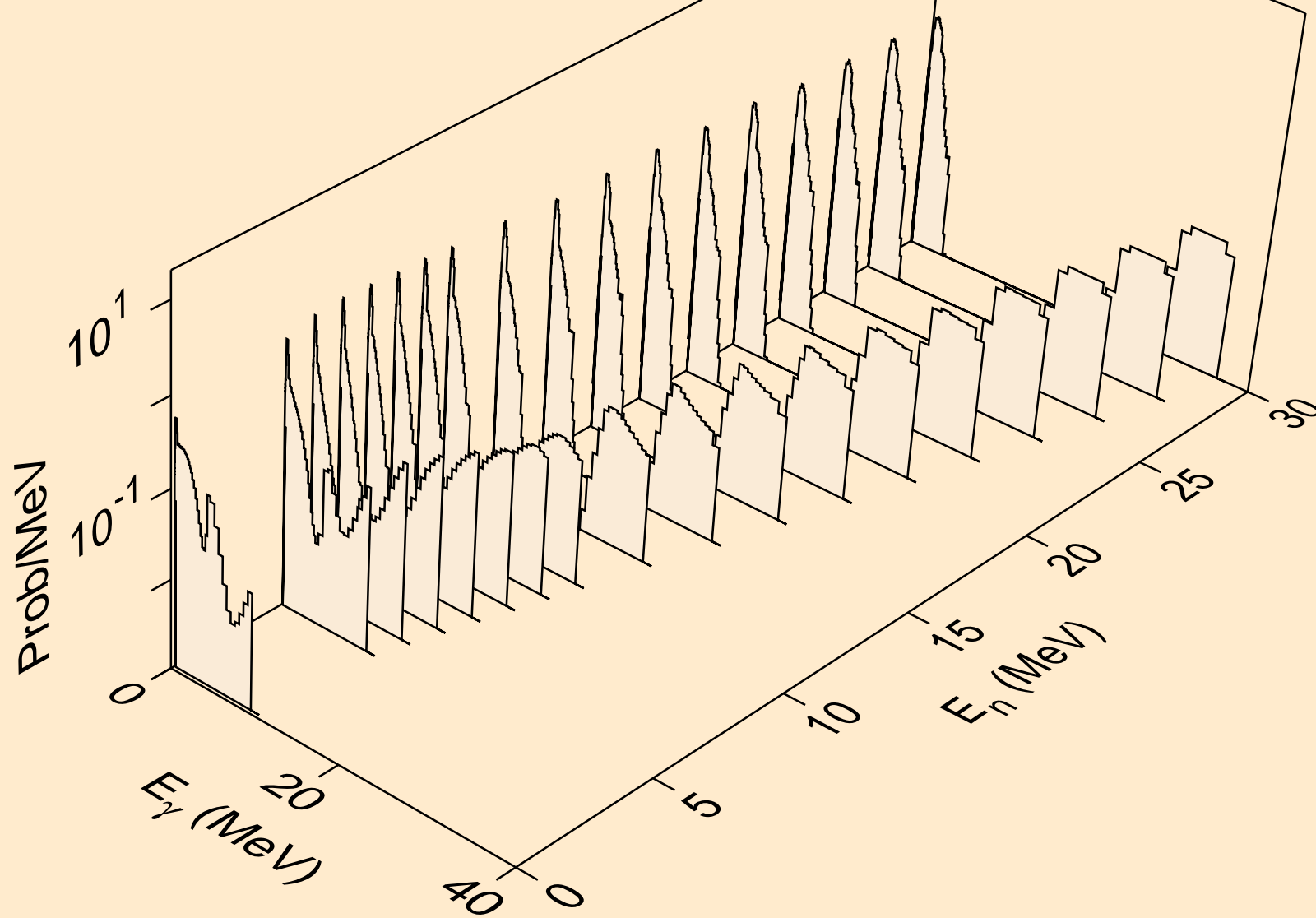




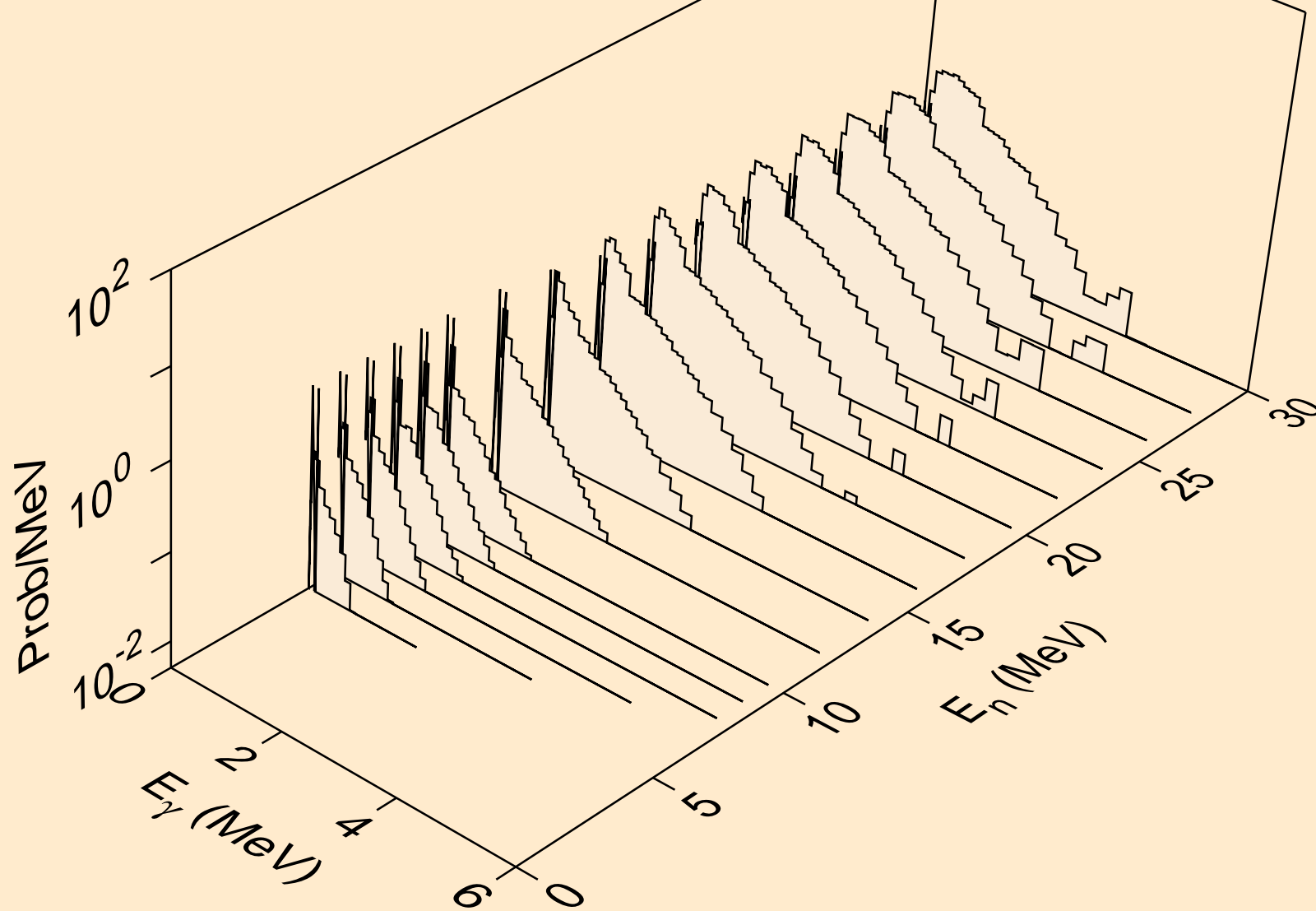
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Photon emission for (n,2np)



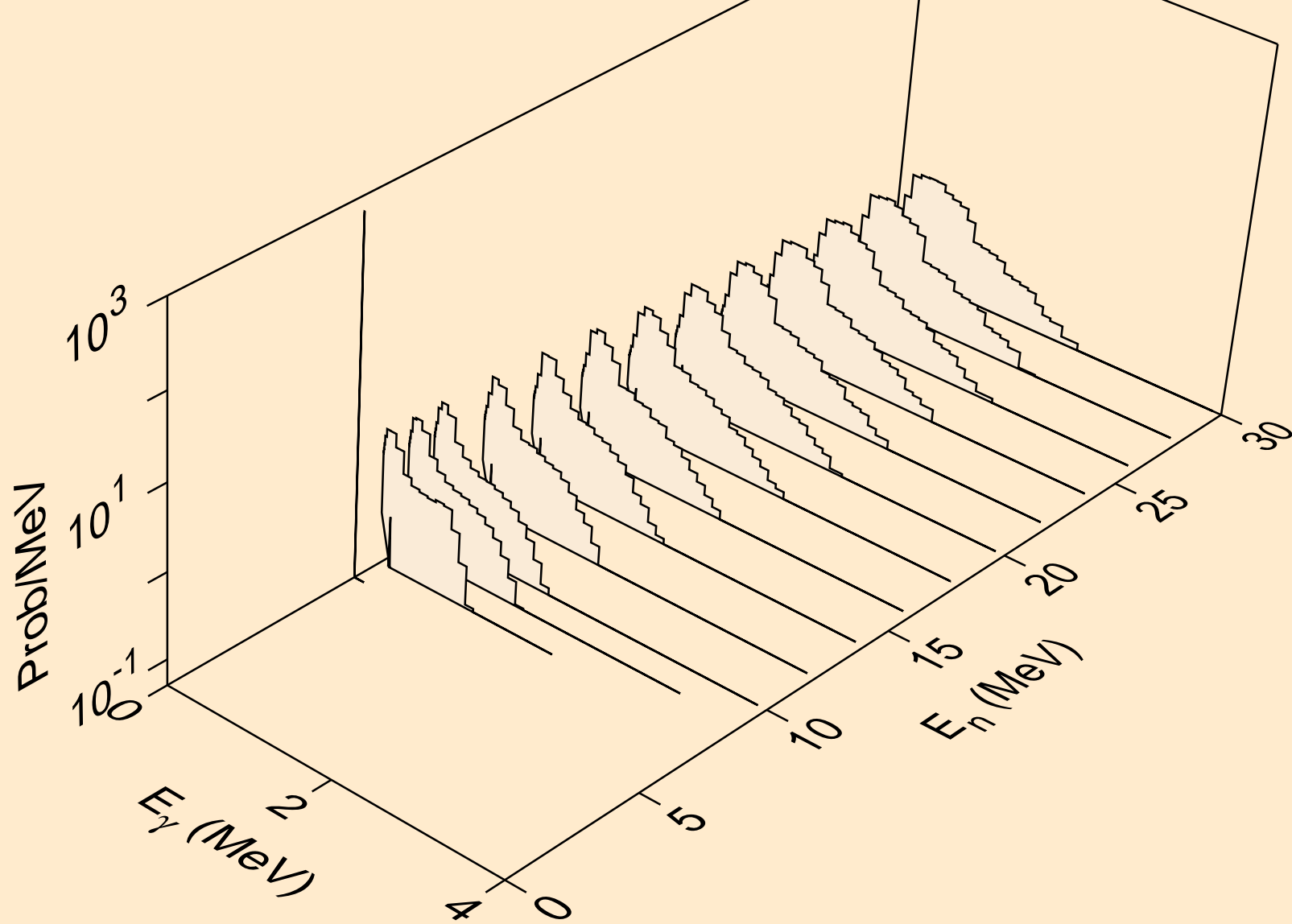
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Photon emission for (n,gma)



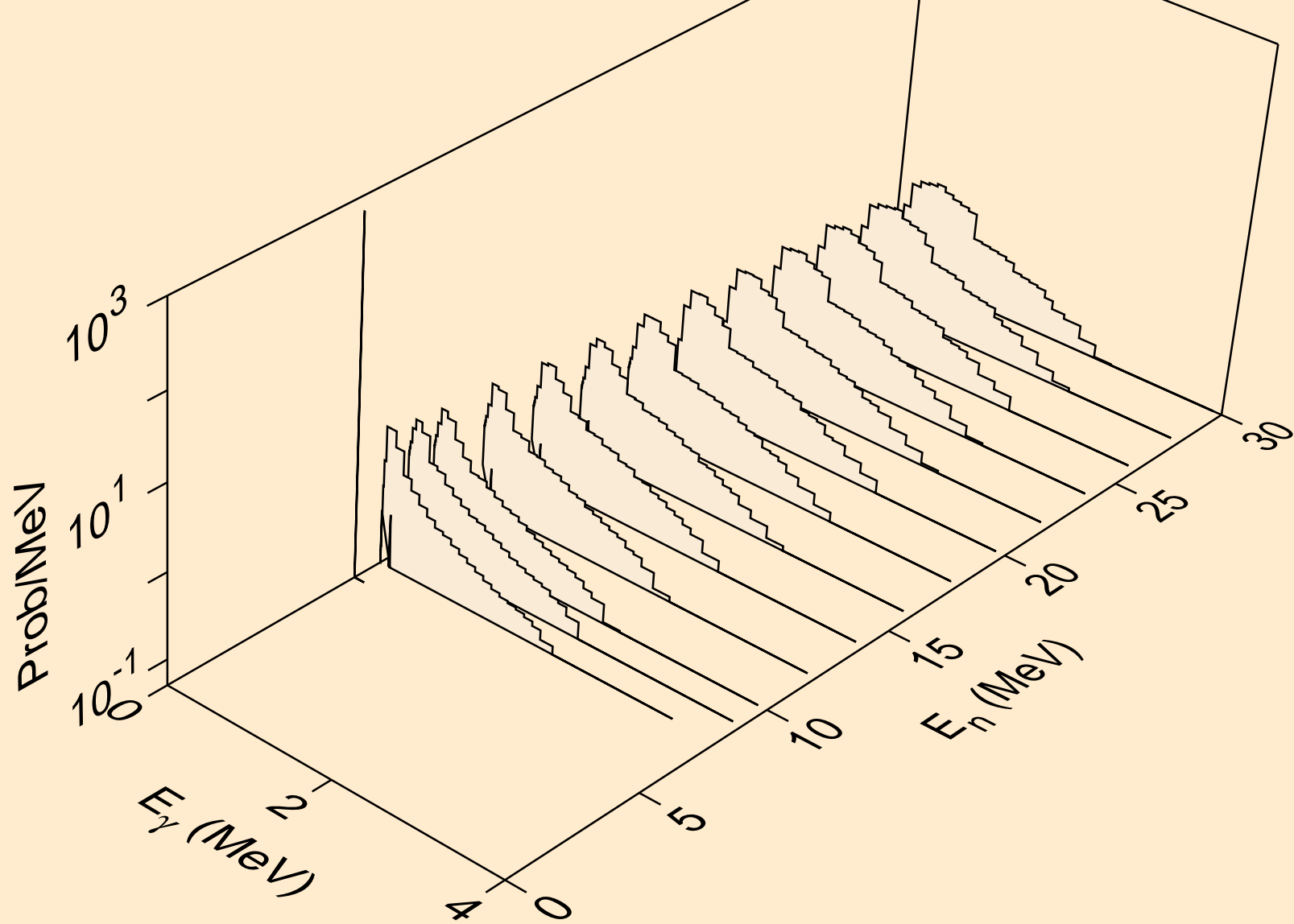
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



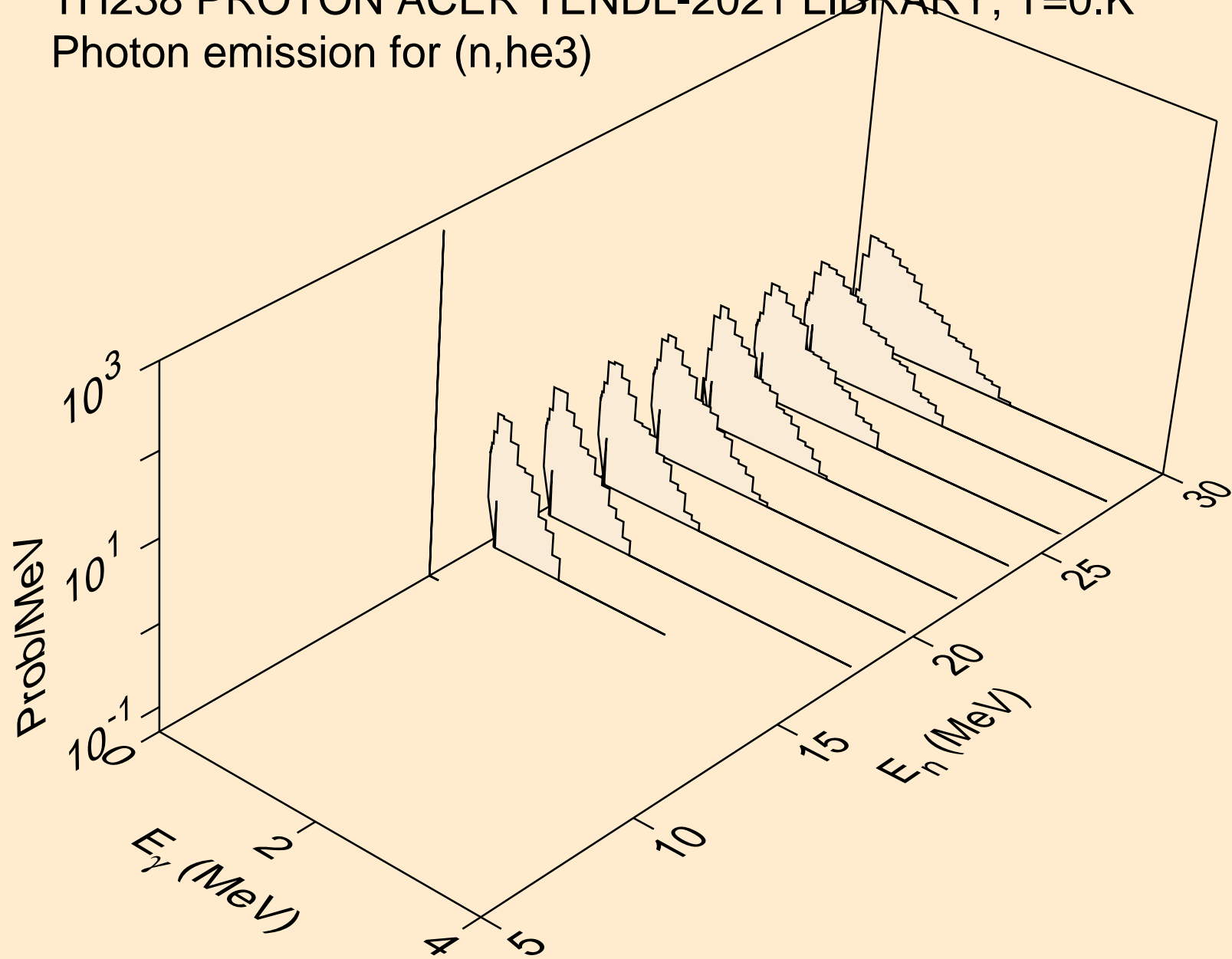
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,d)



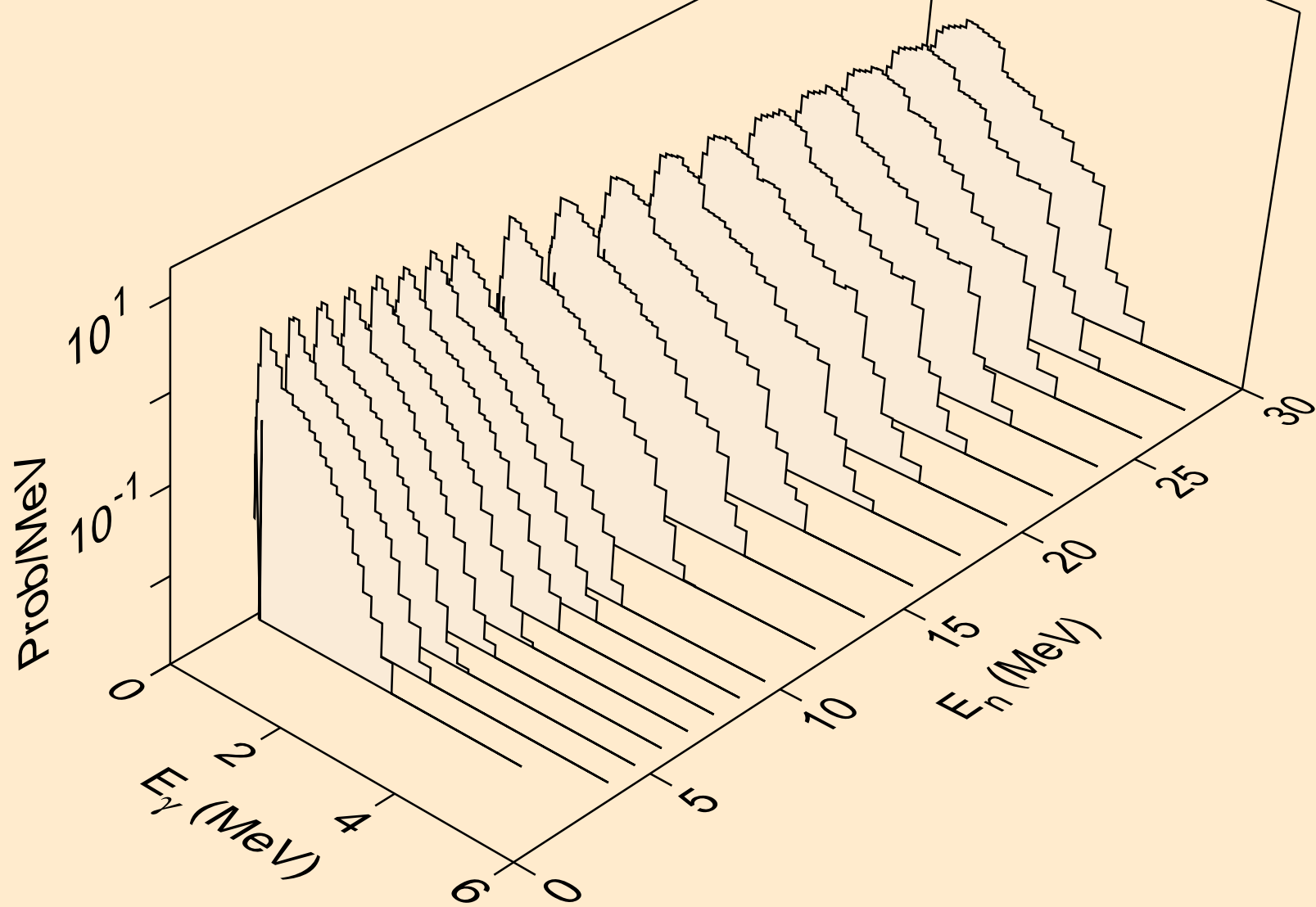
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,t)



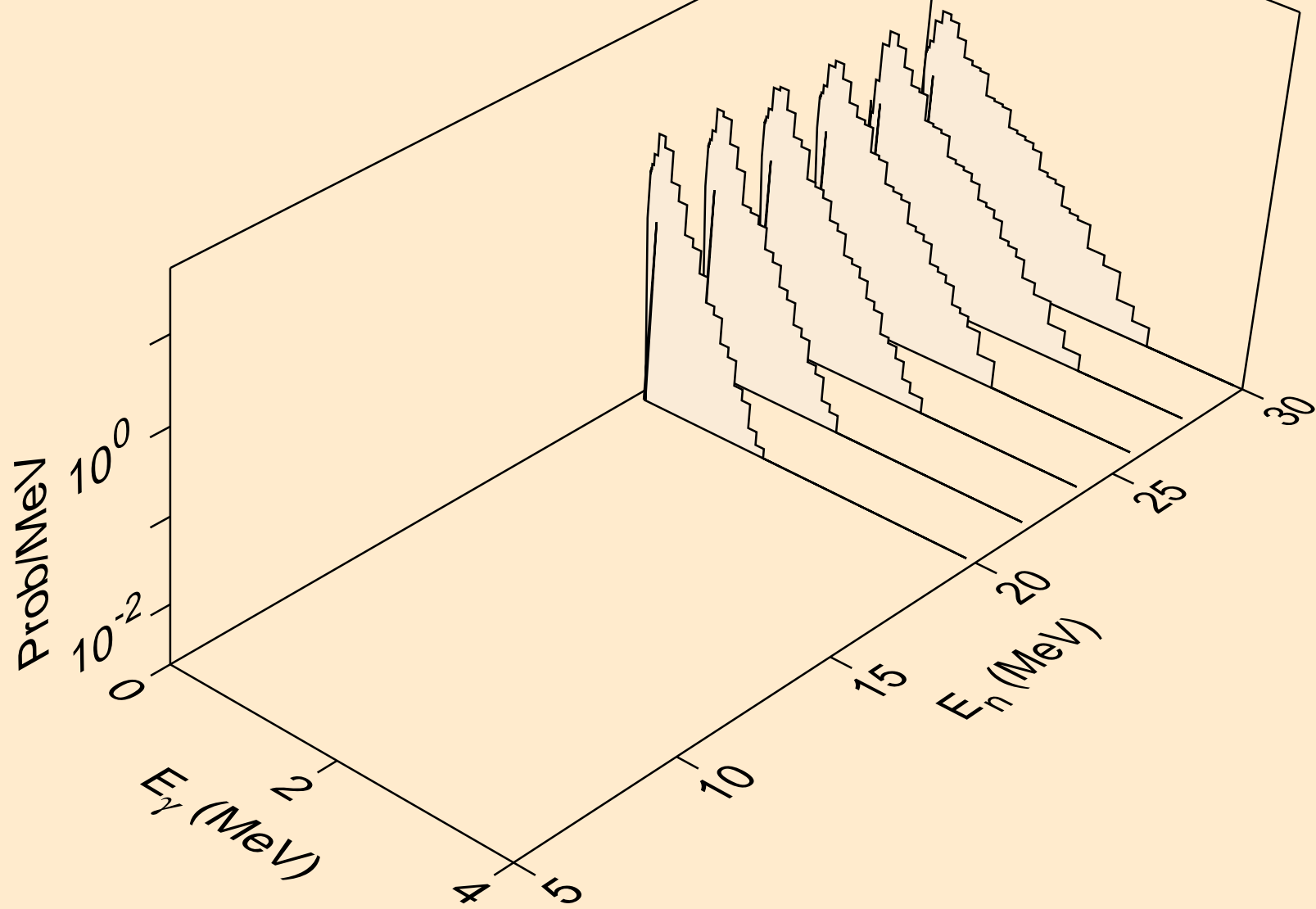
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,he3)



TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,a)



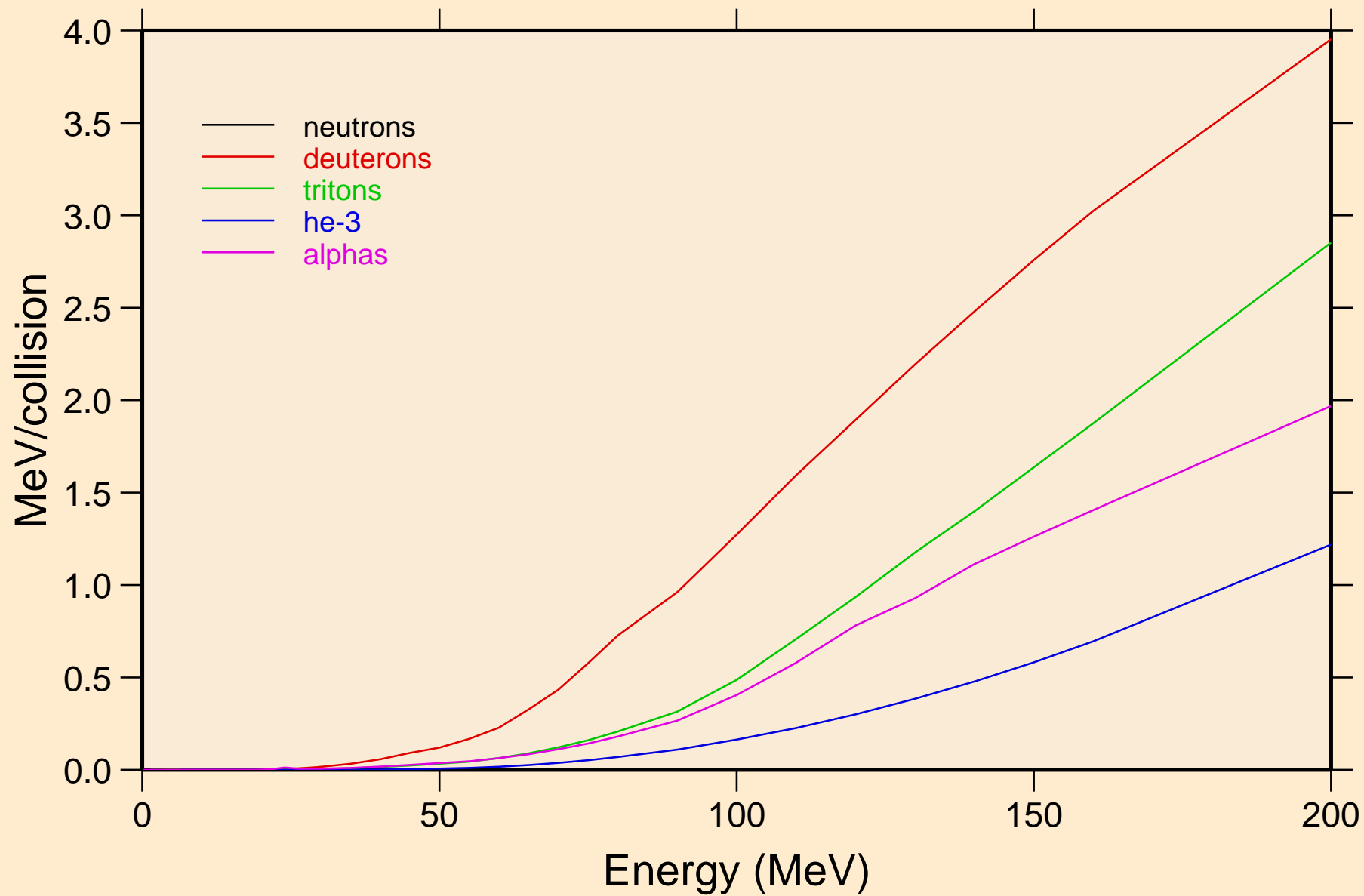
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)



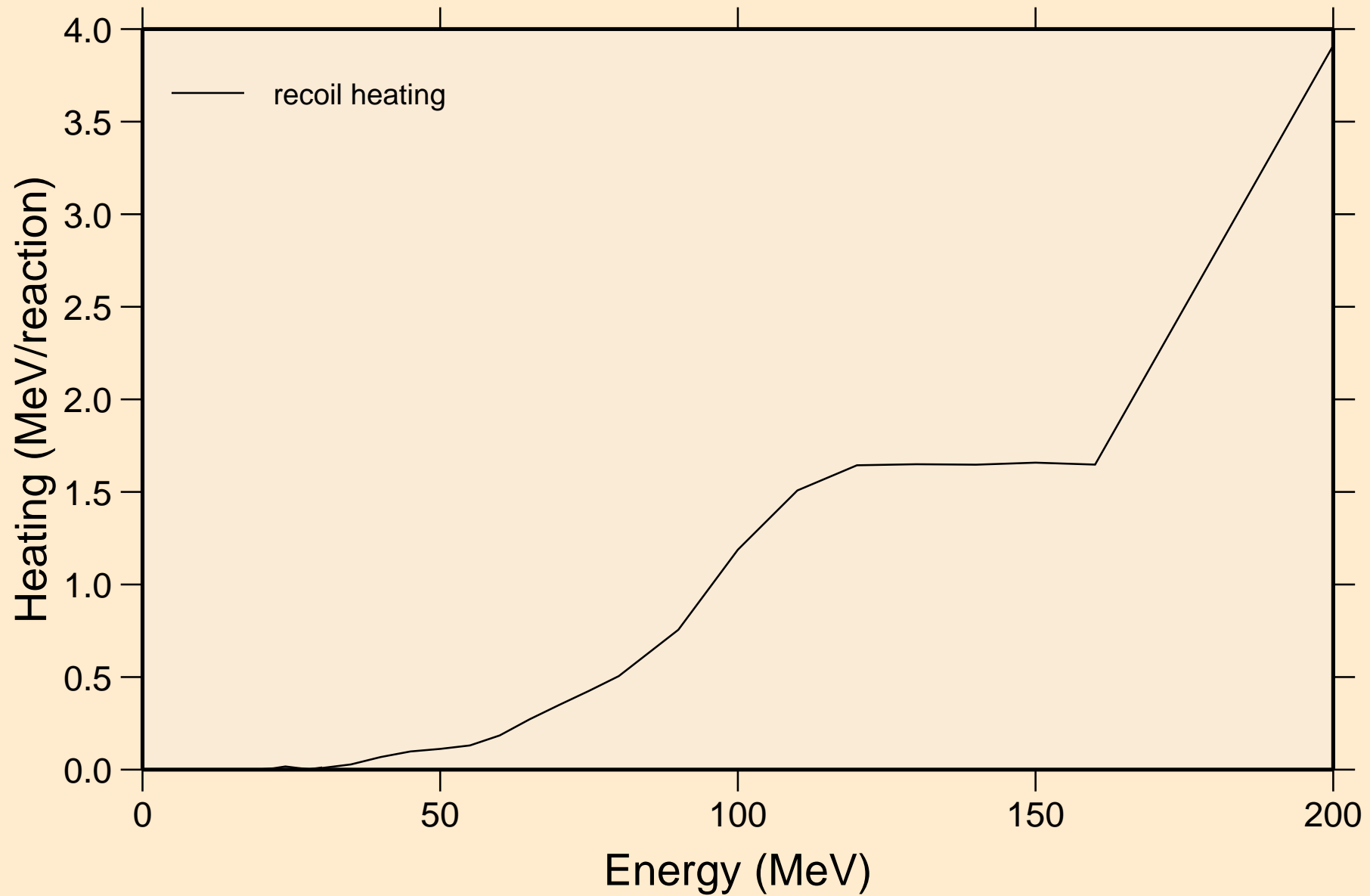


# TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K

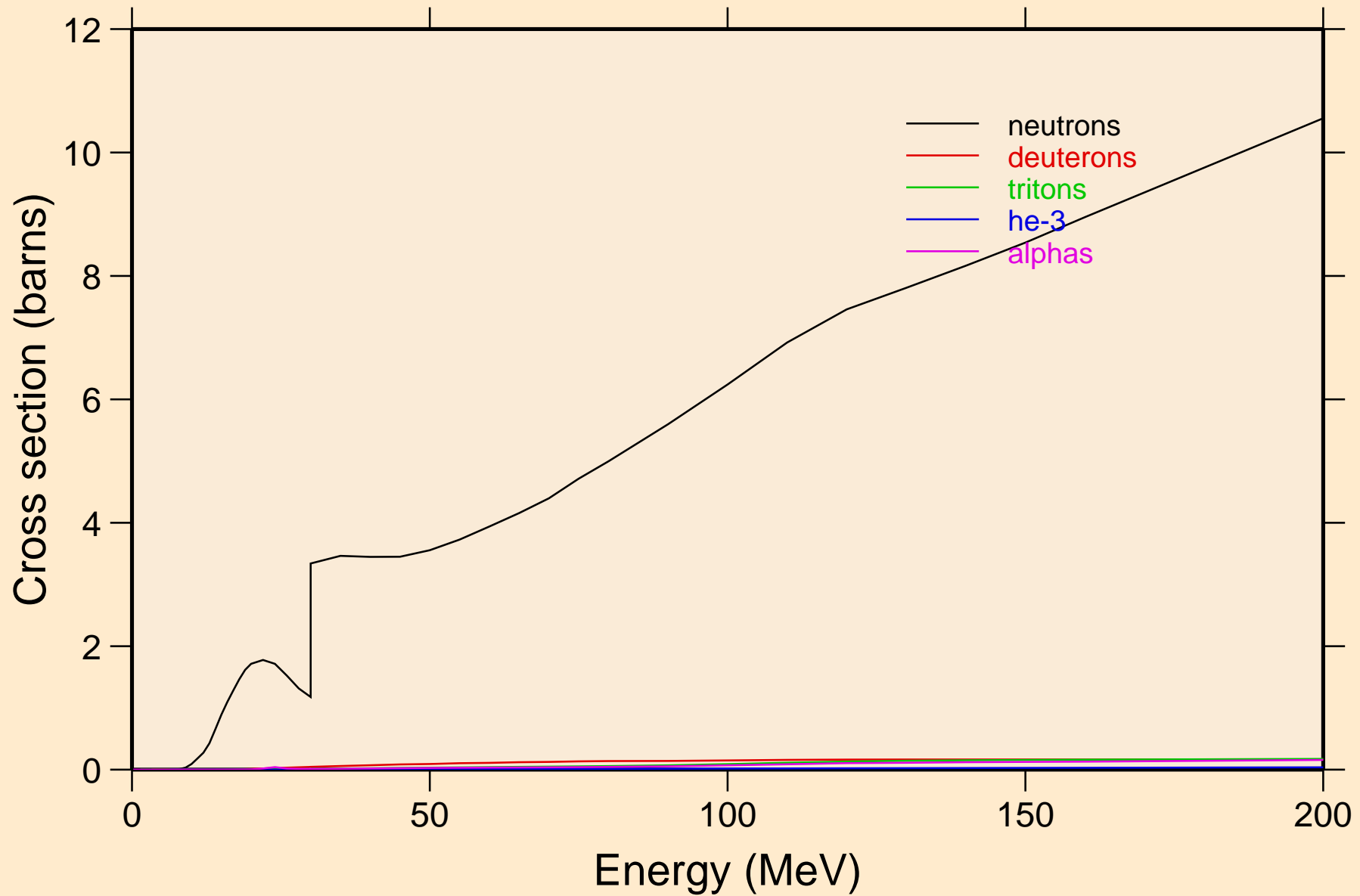
## Particle heating contributions



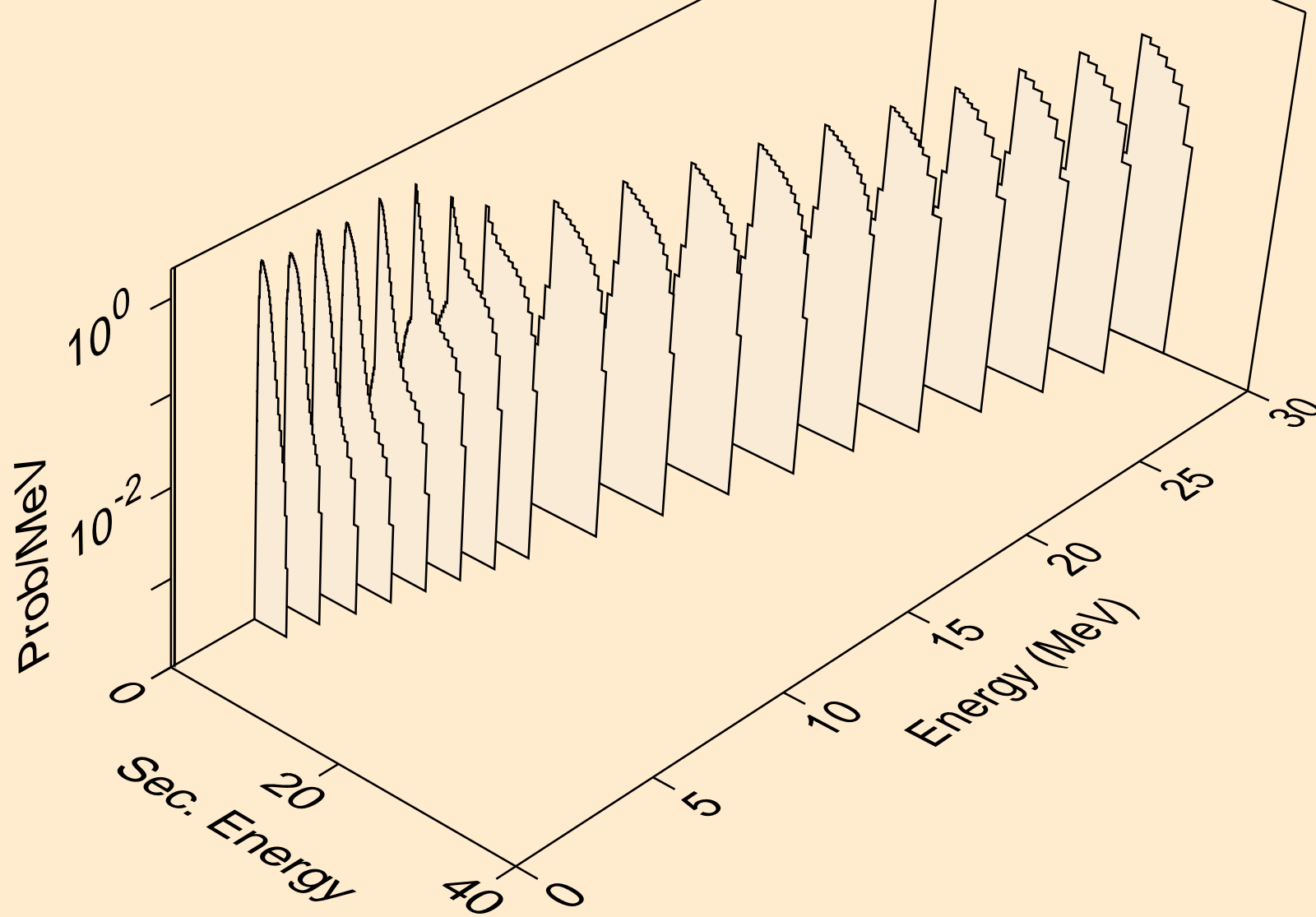
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Recoil Heating



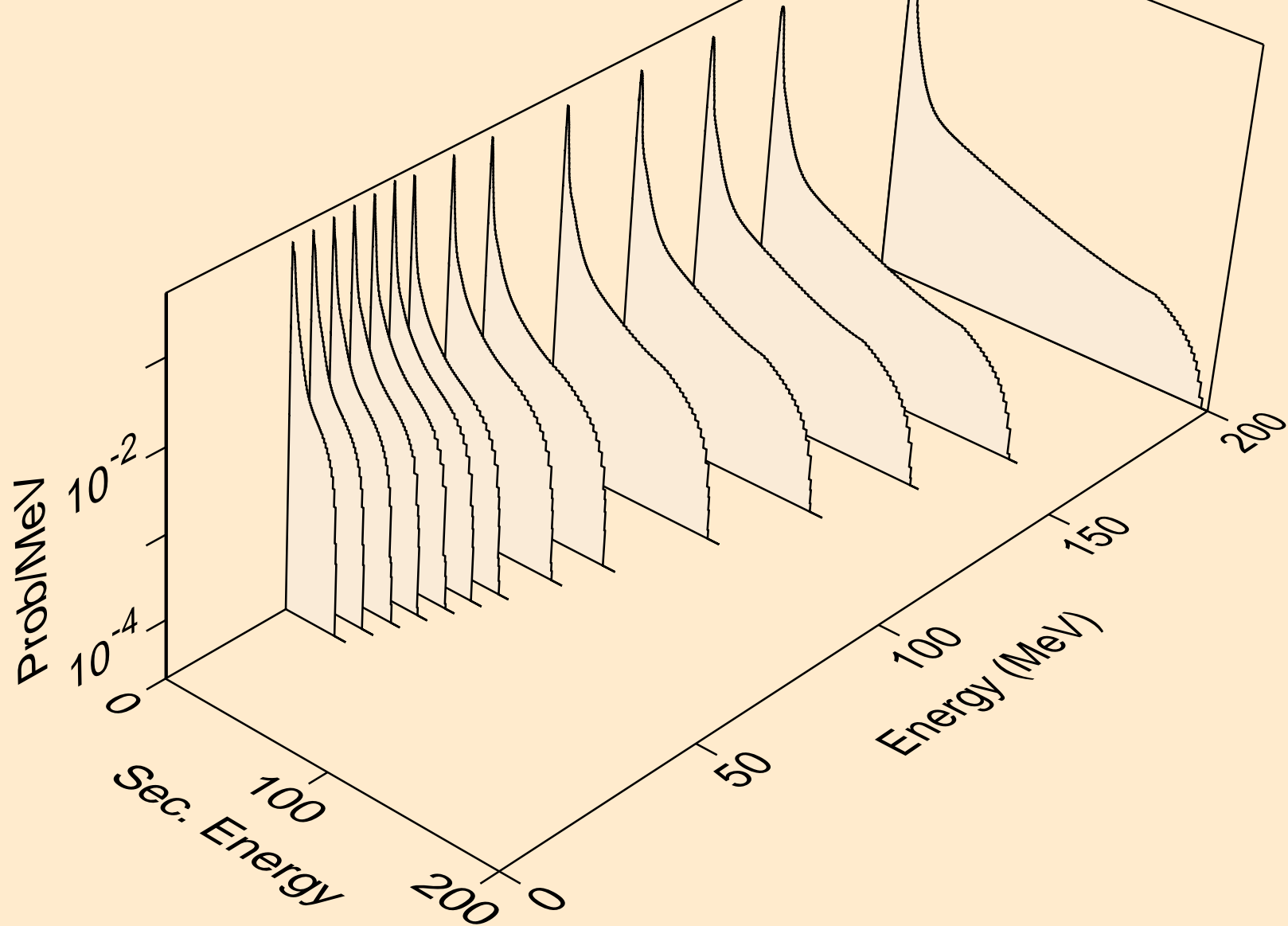
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections



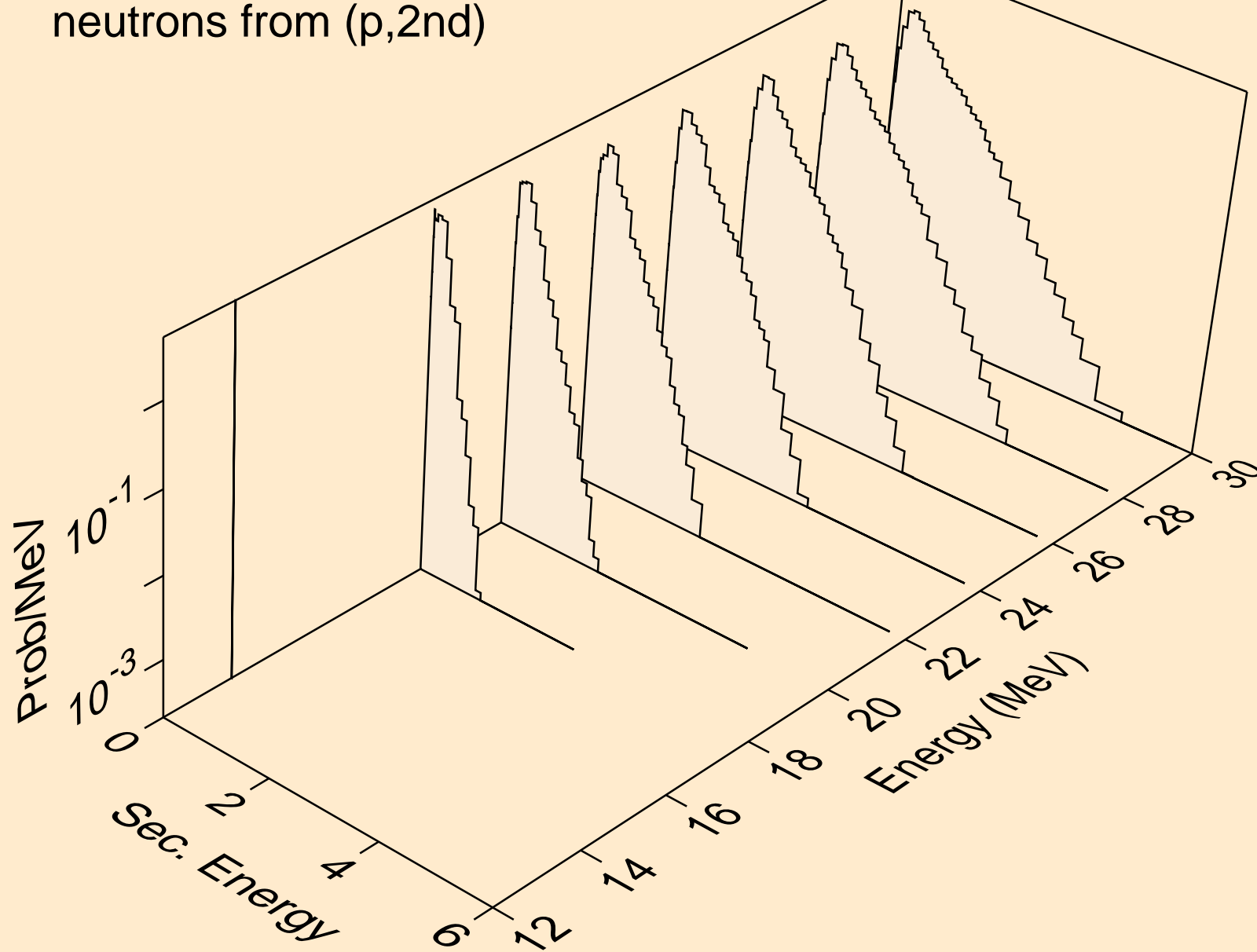
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n)



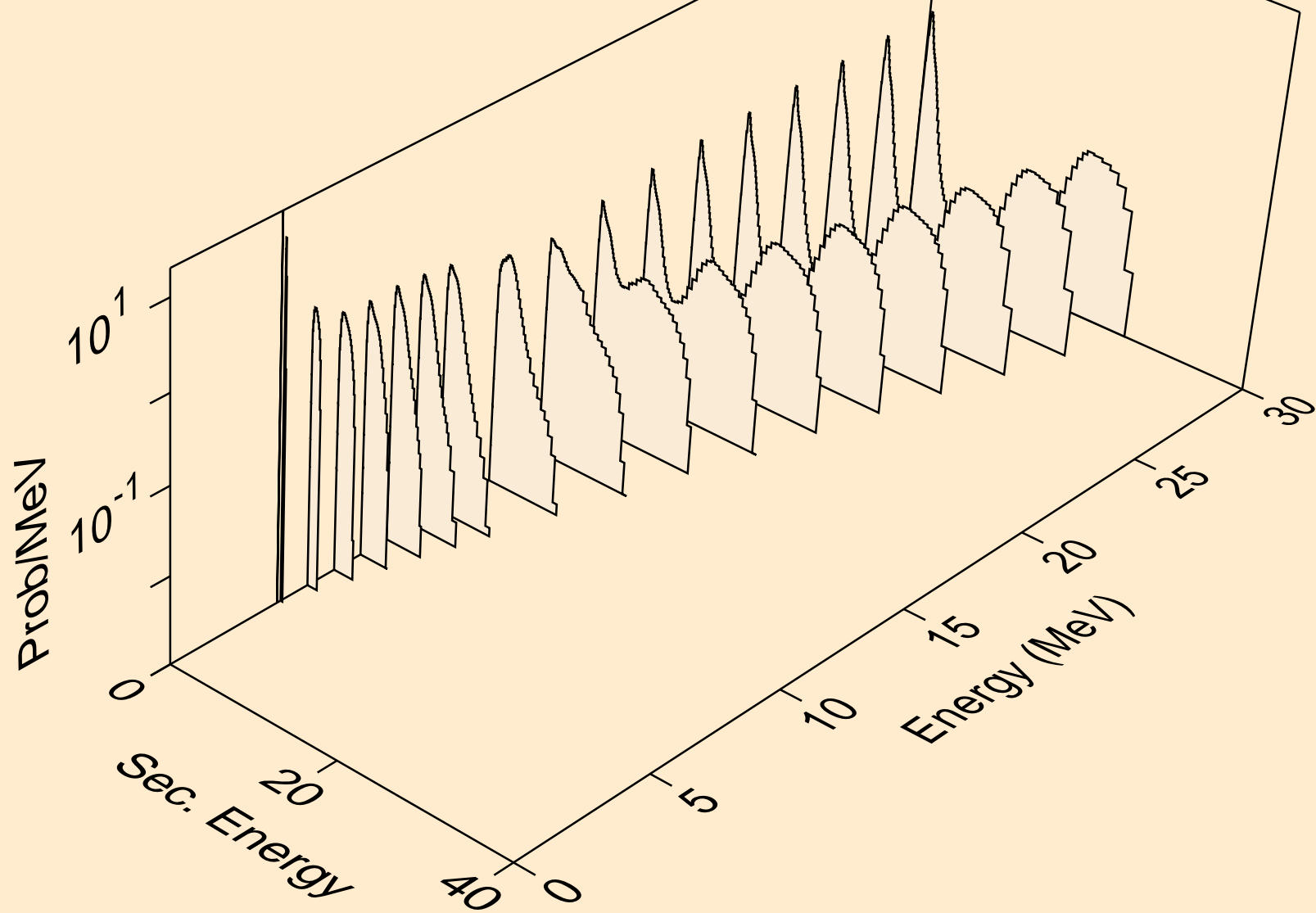
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,x)



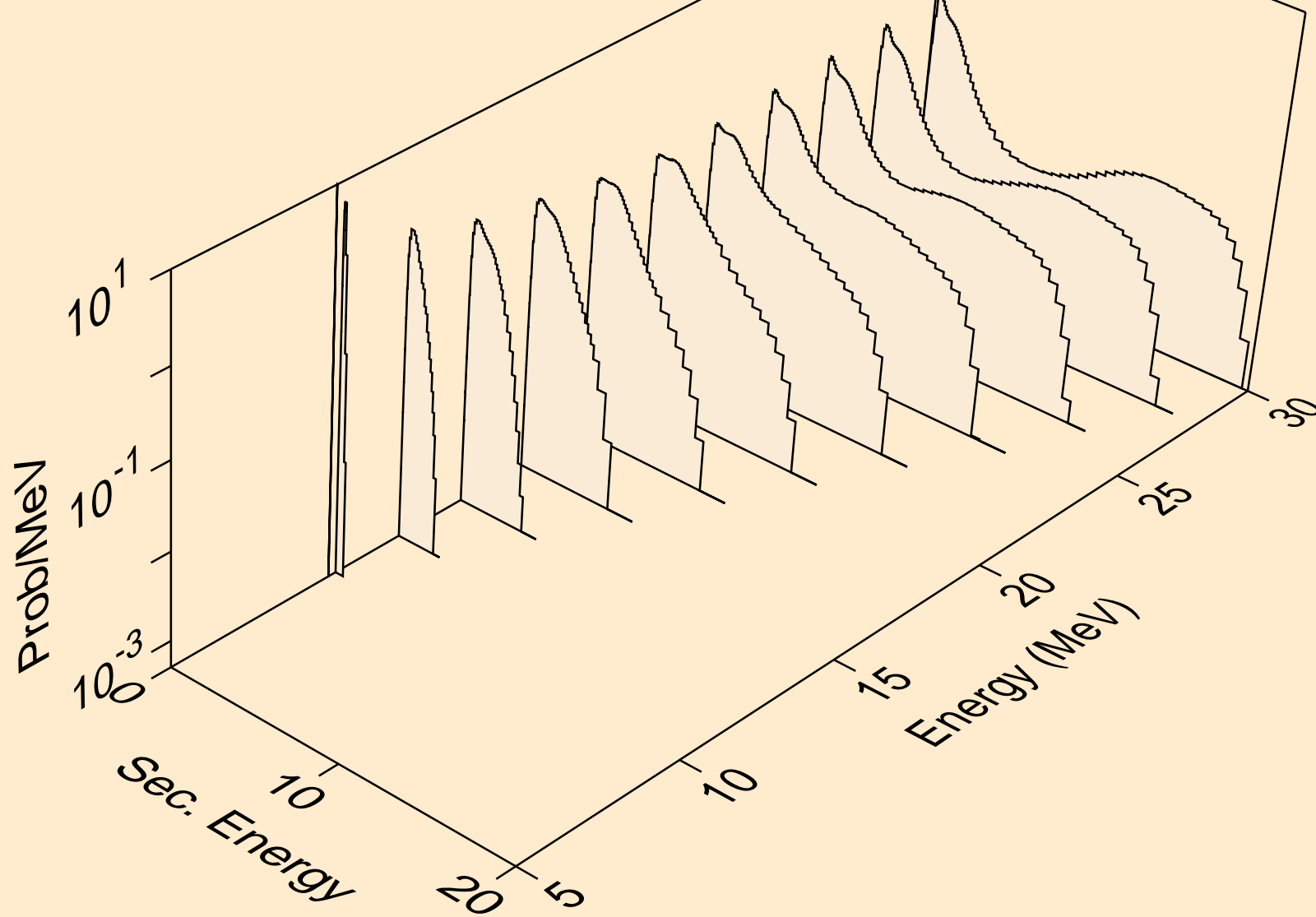
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2nd)



TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2n)

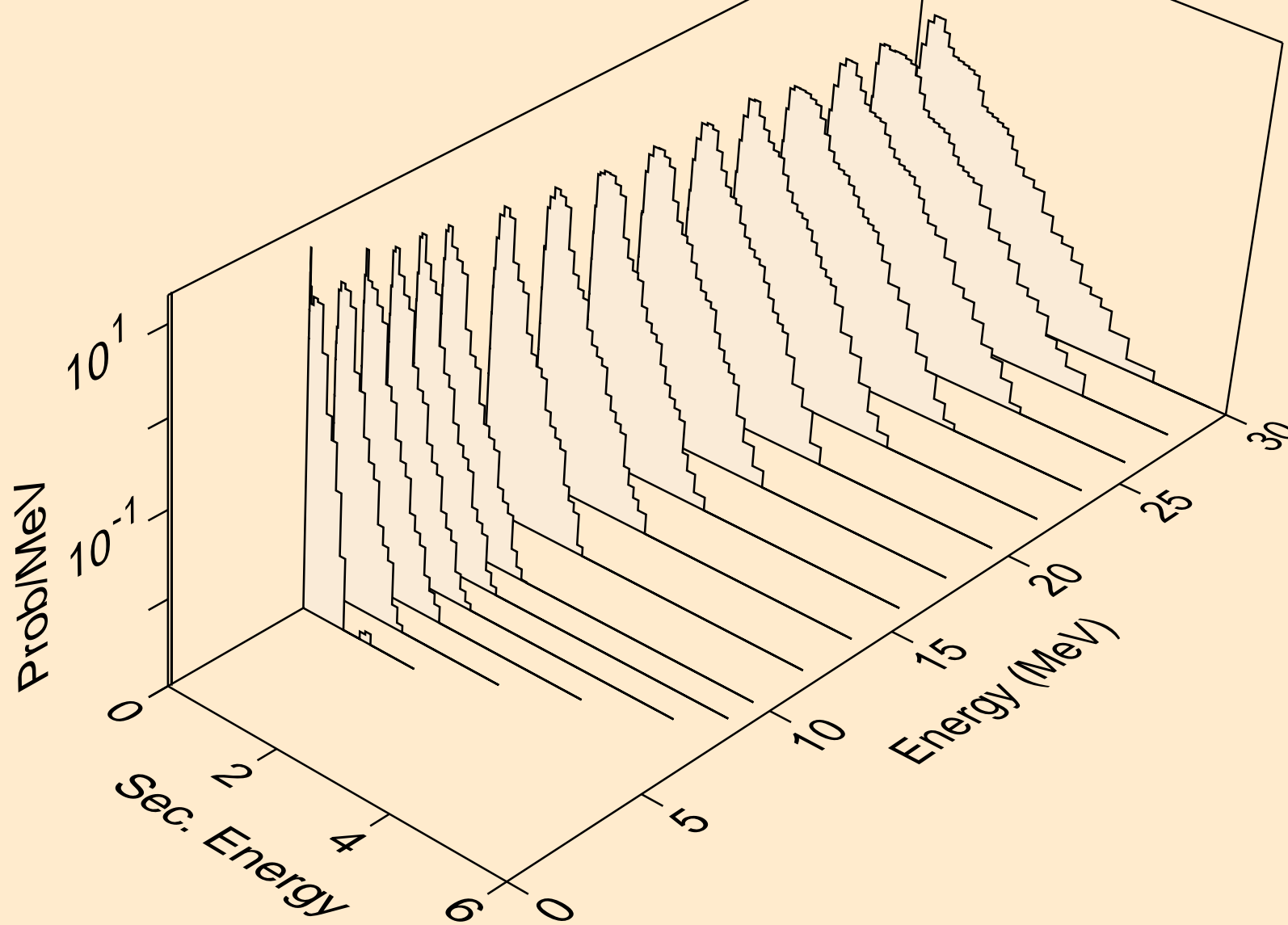


TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3n)

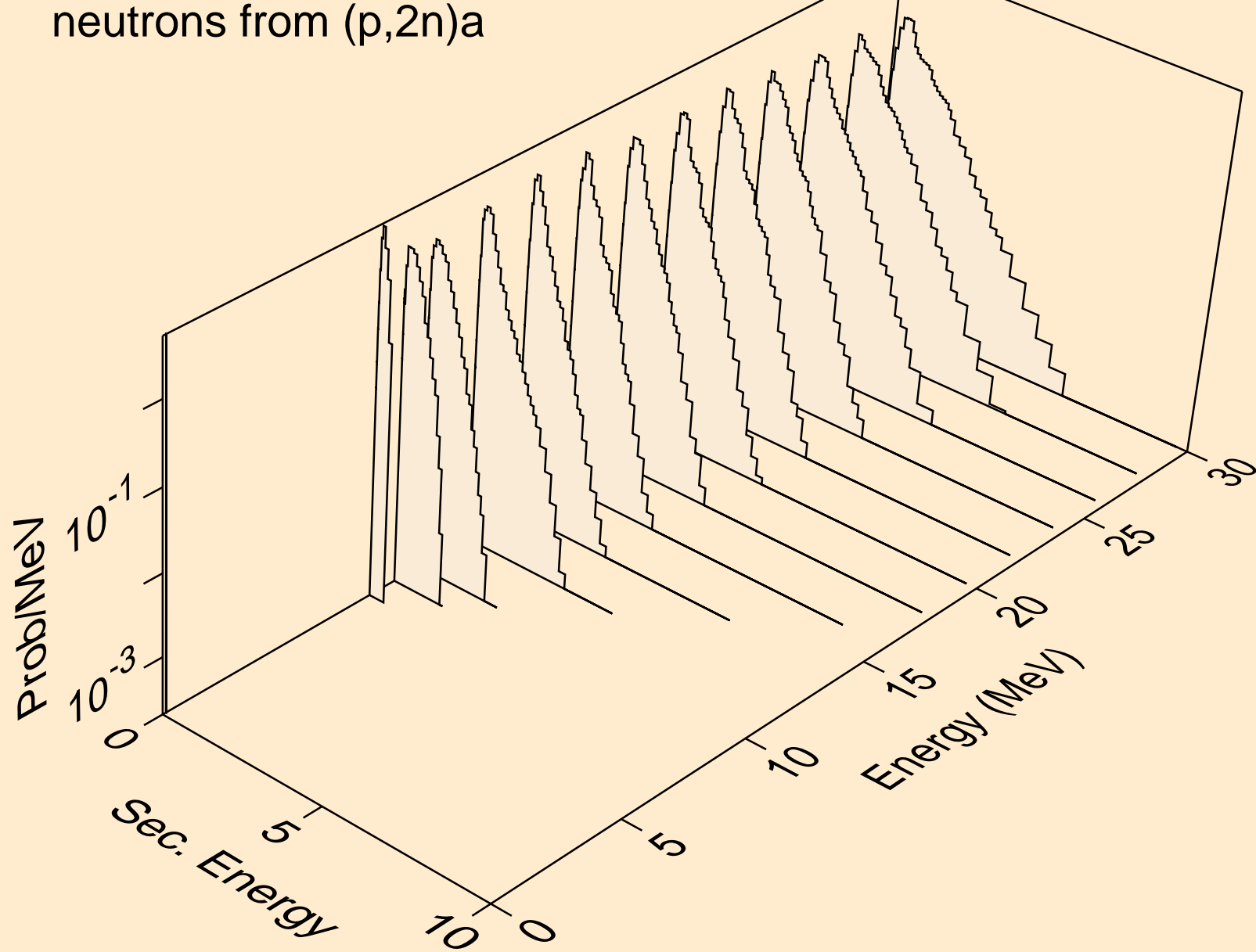




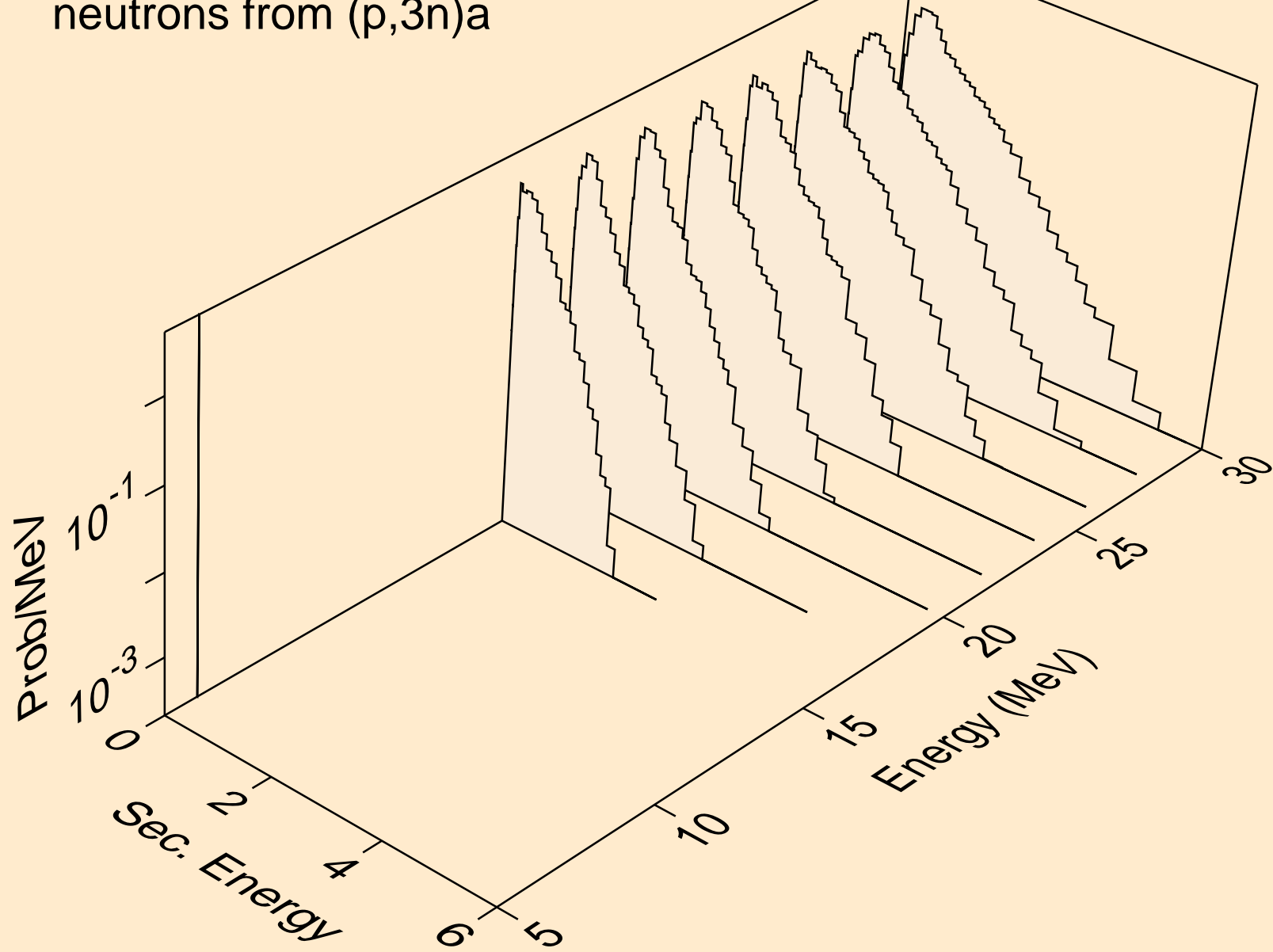
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)a



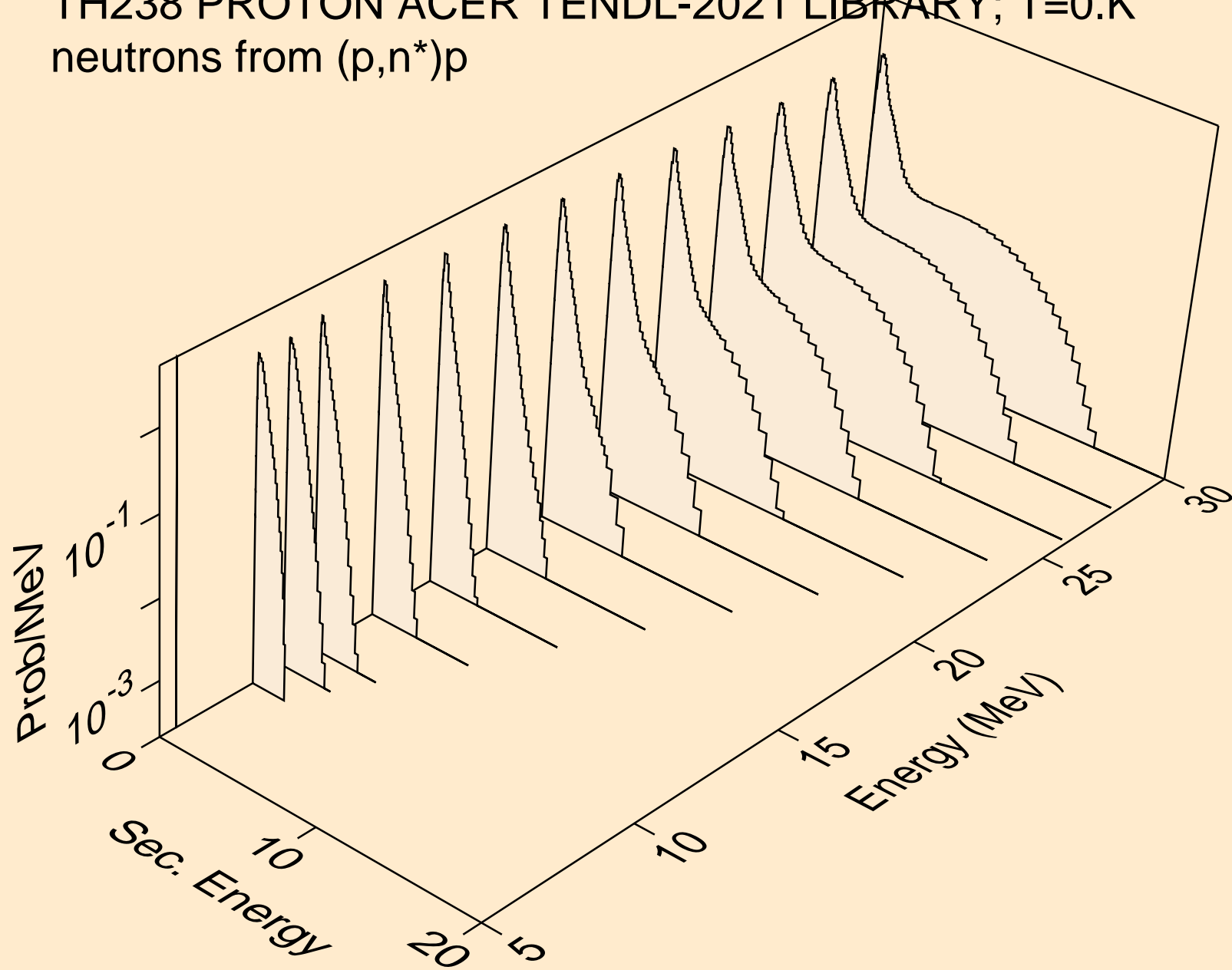
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2n)a



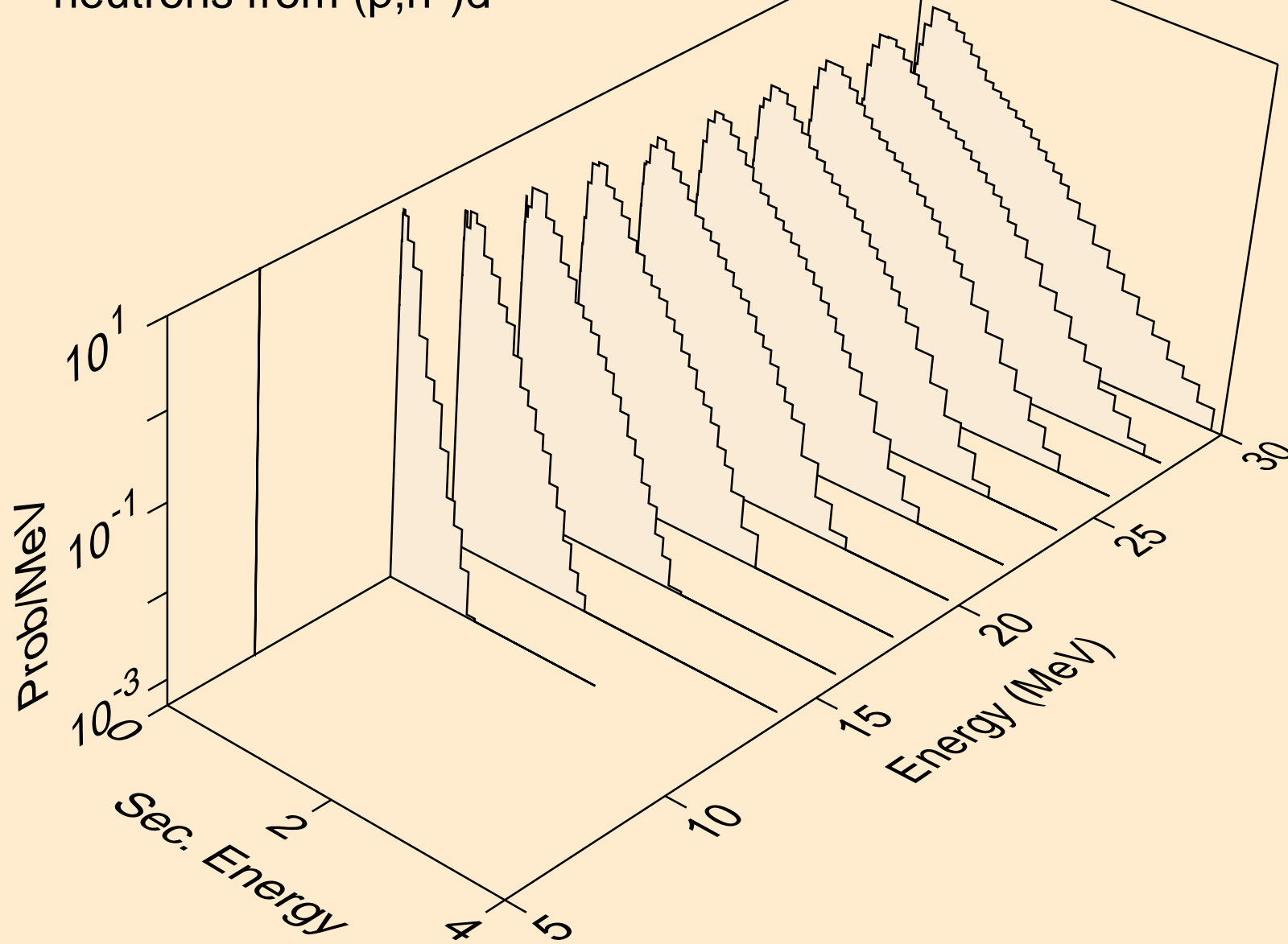
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3n)a



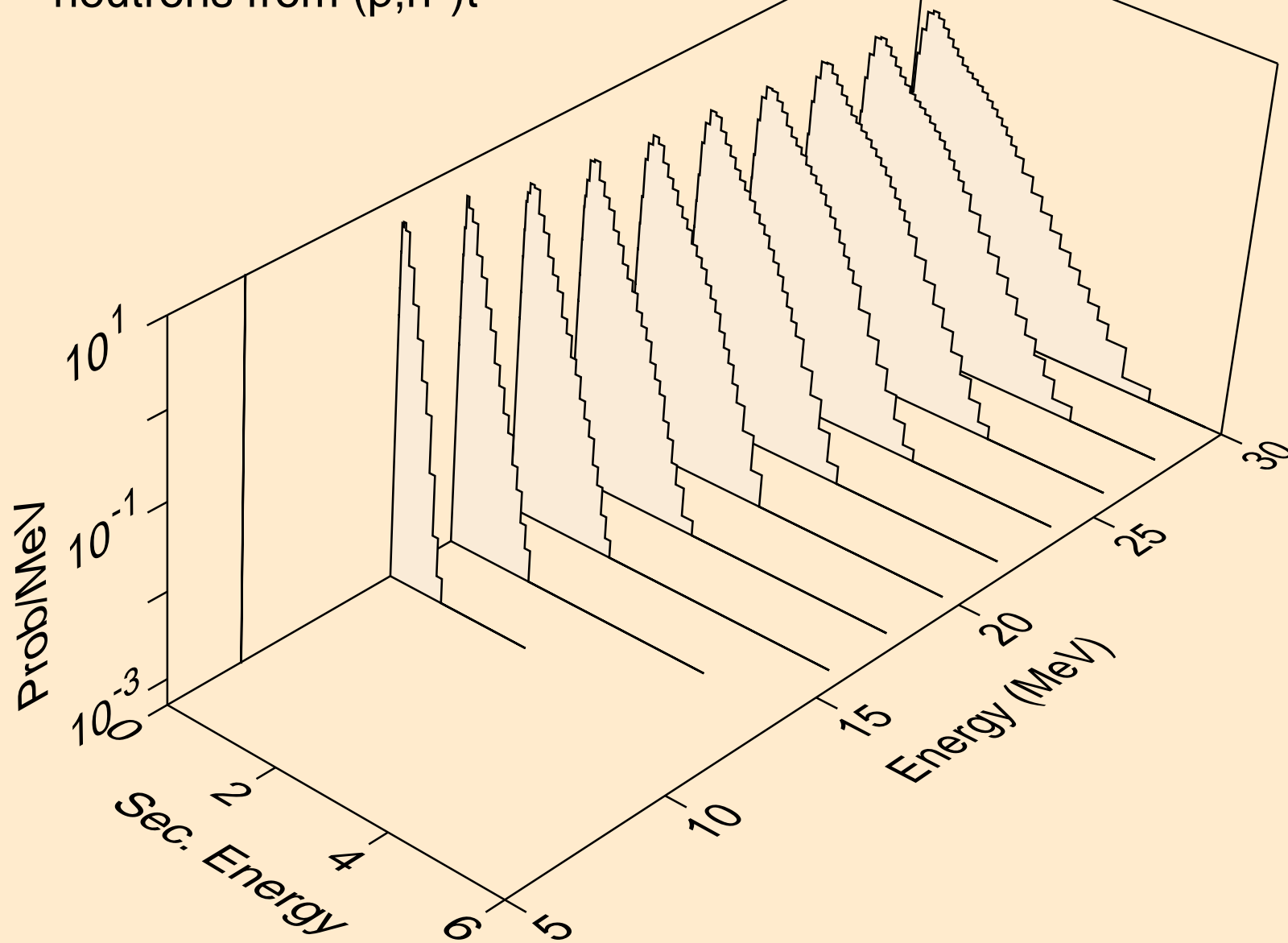
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)p



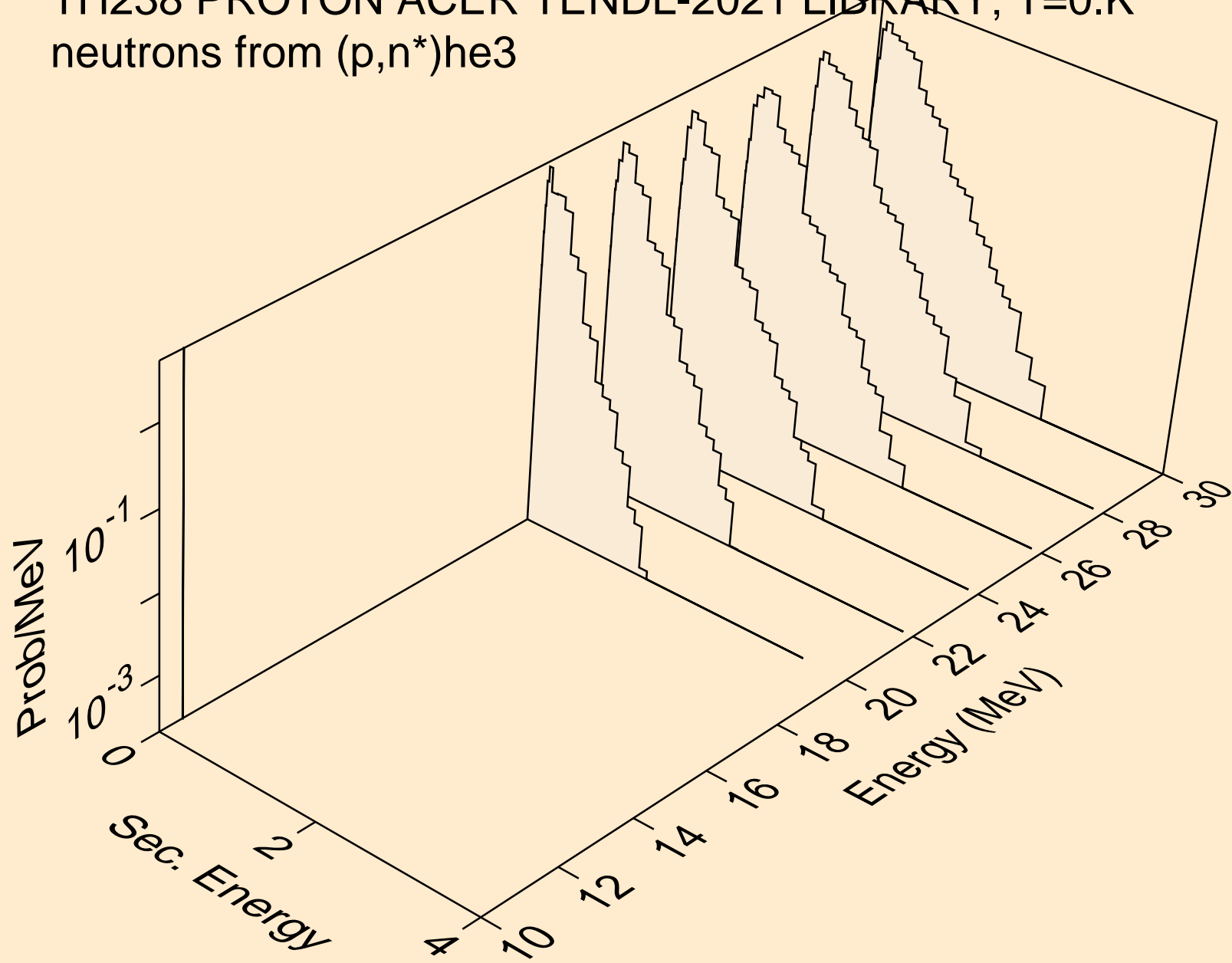
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)d



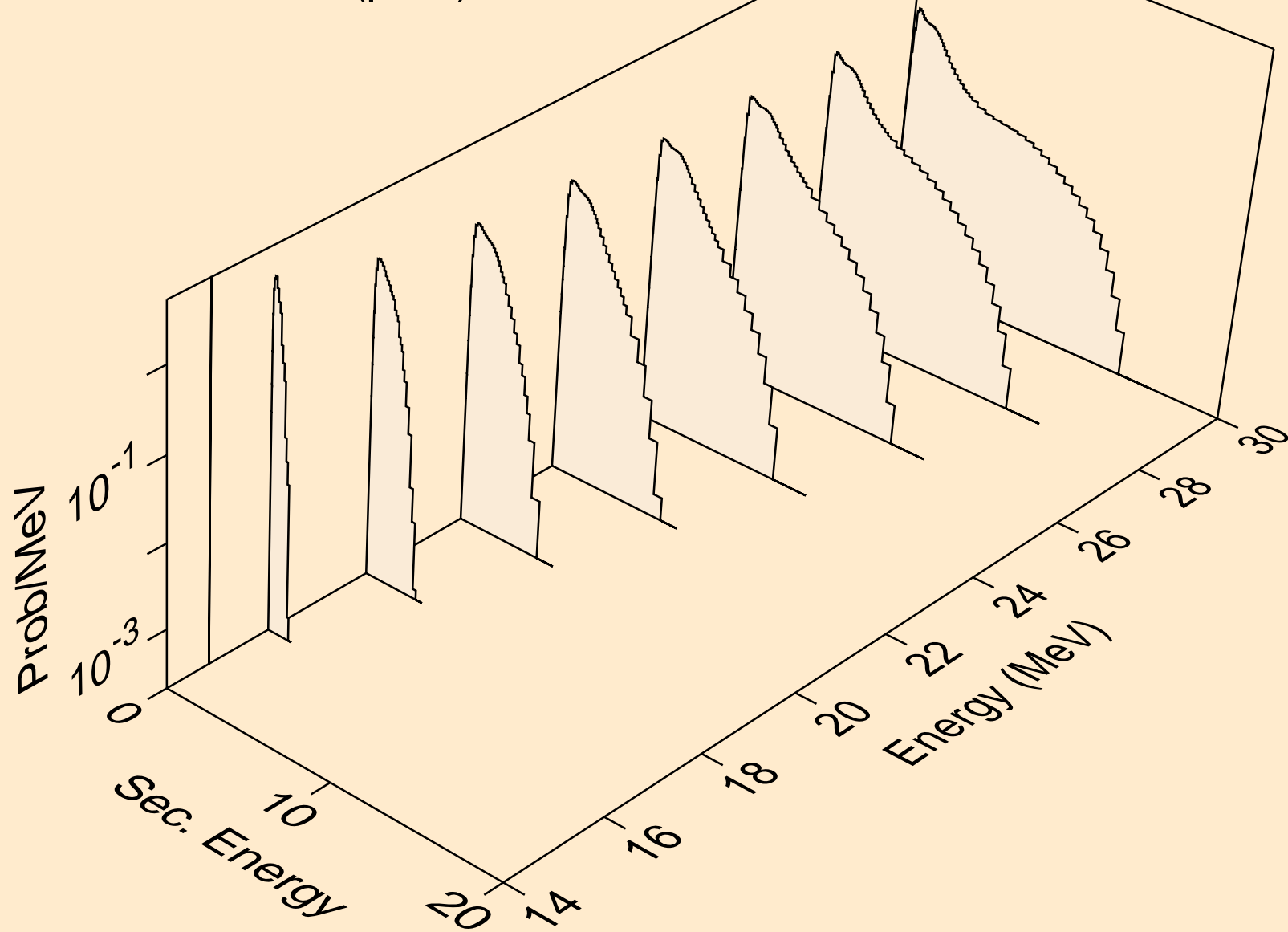
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)t



TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)he3

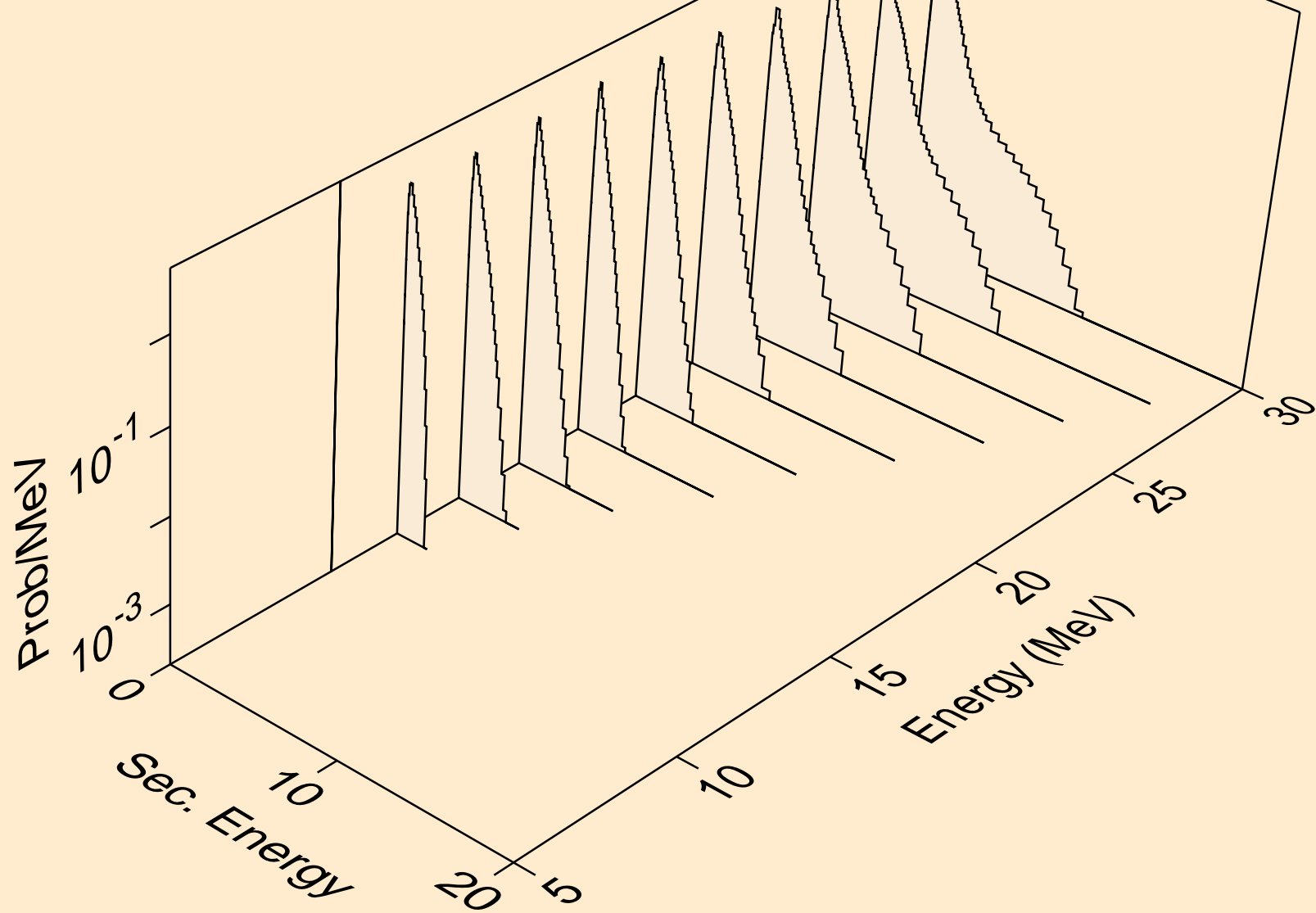


TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,4n)

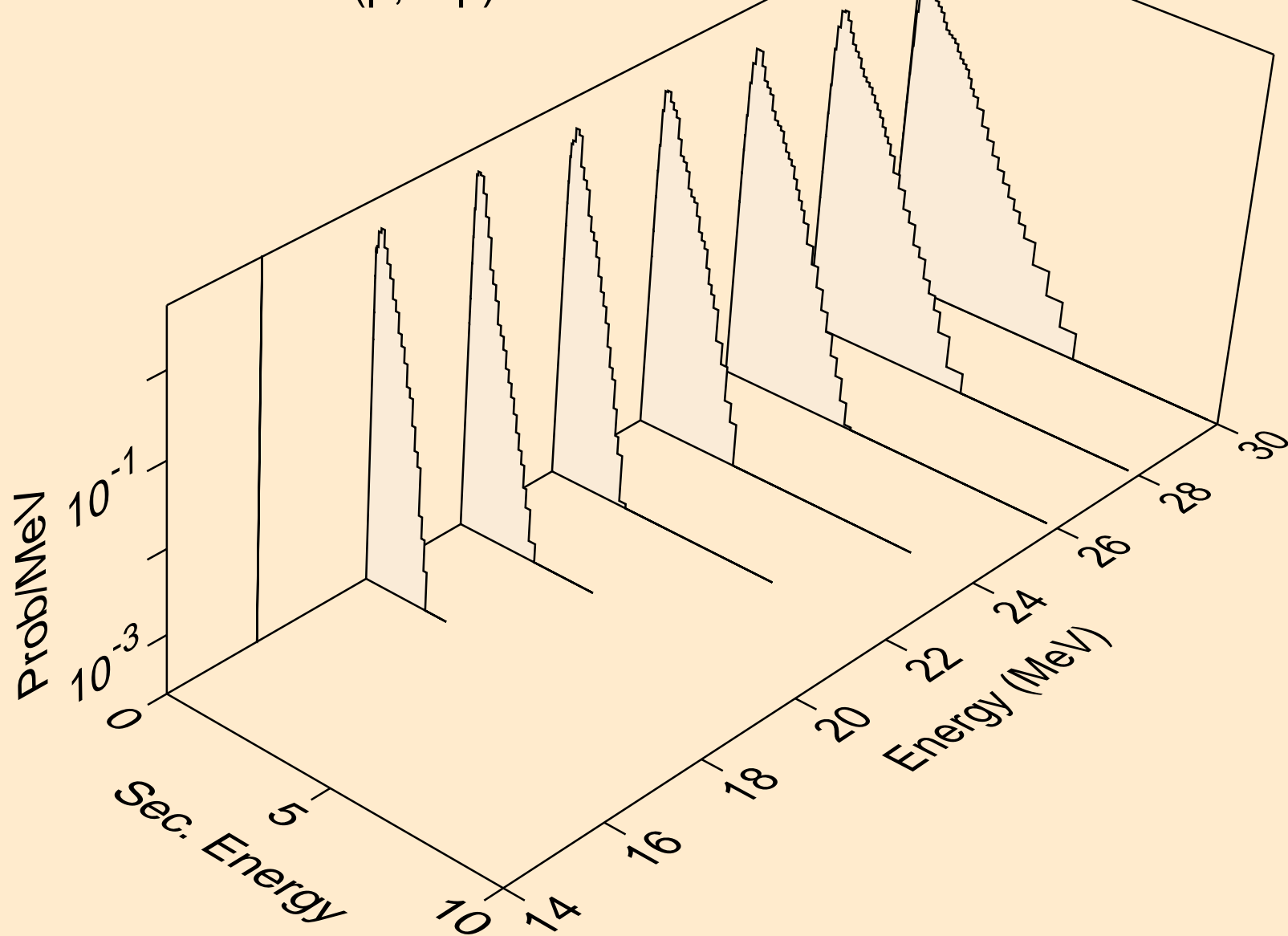




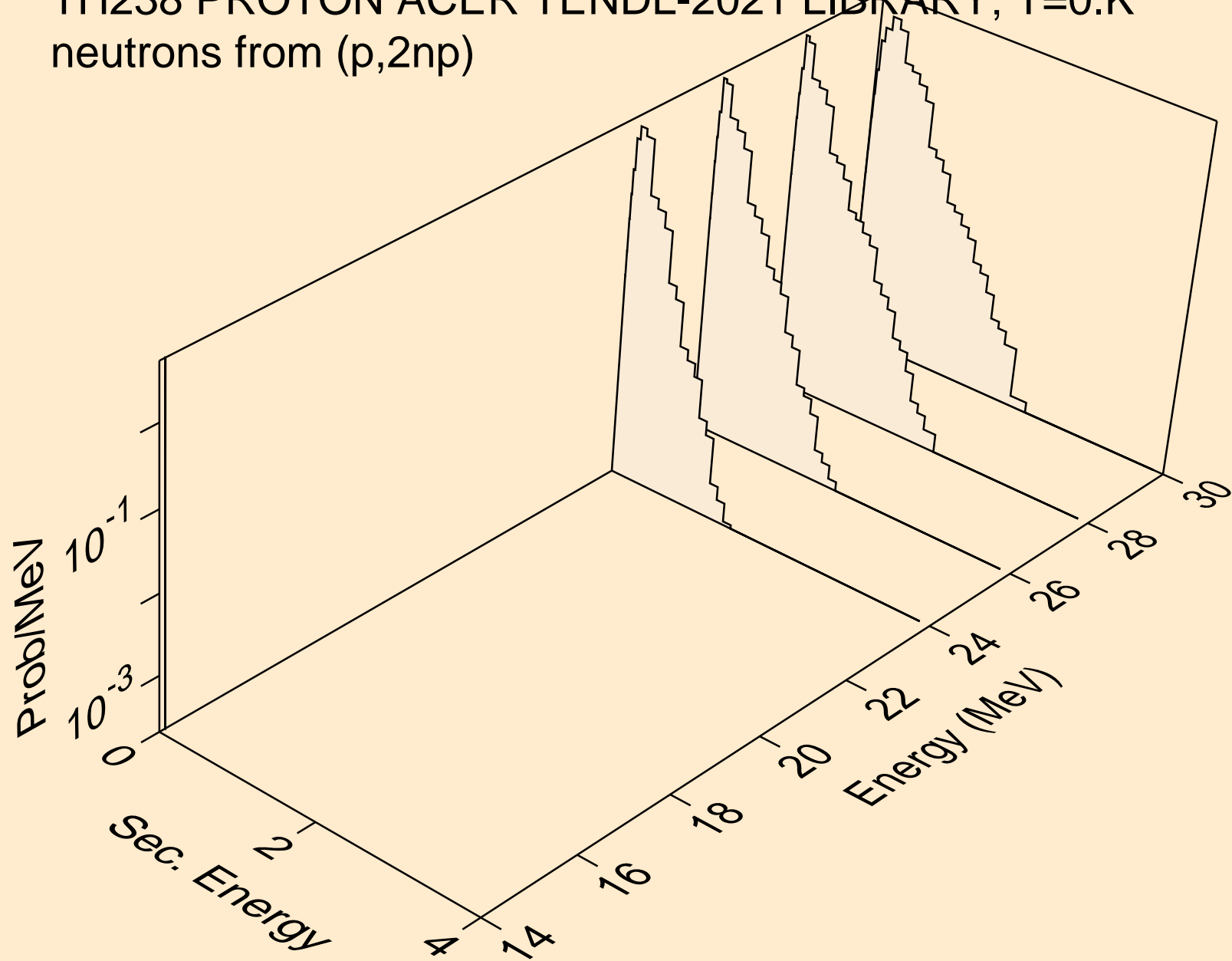
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)



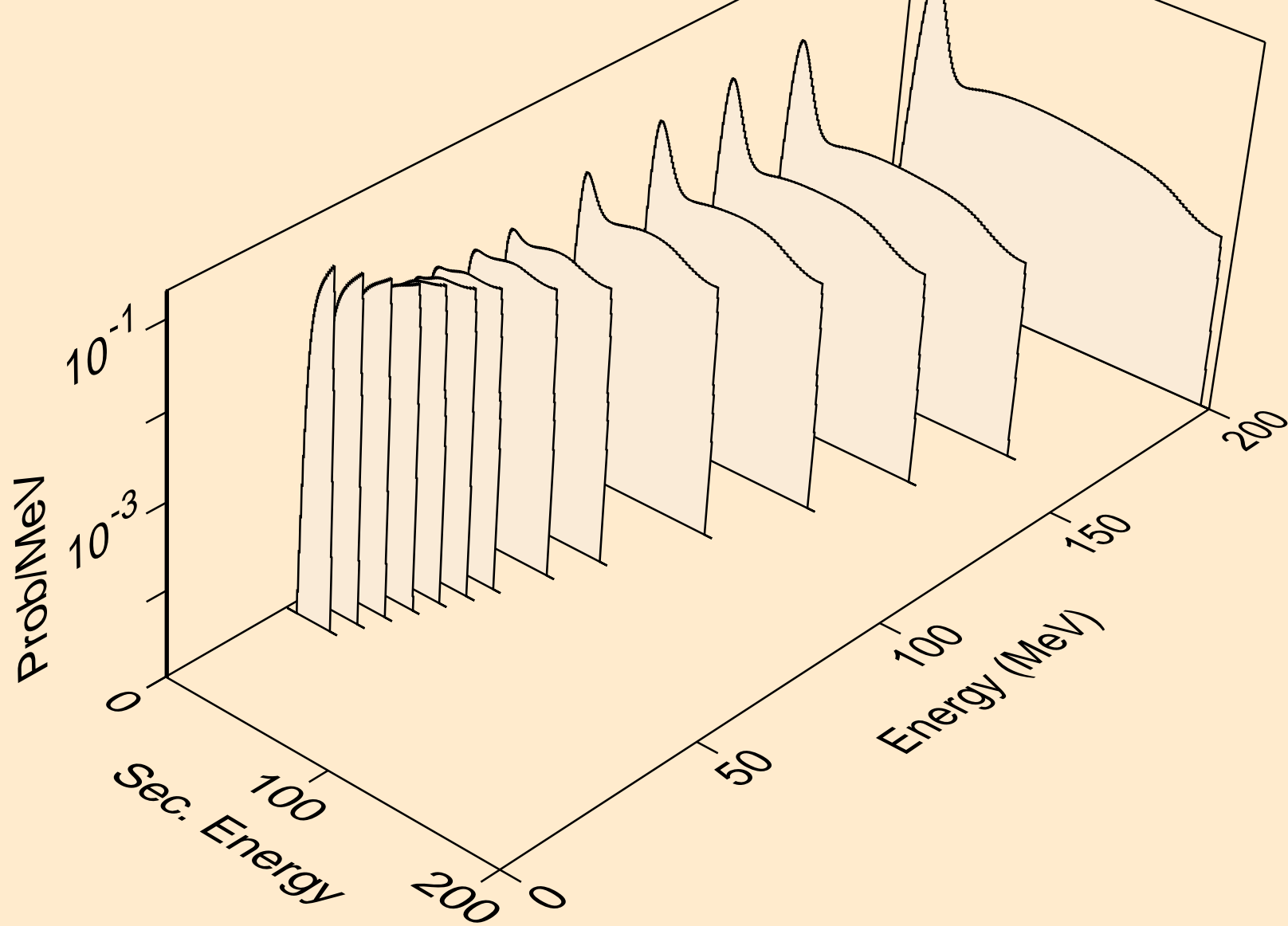
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3np)



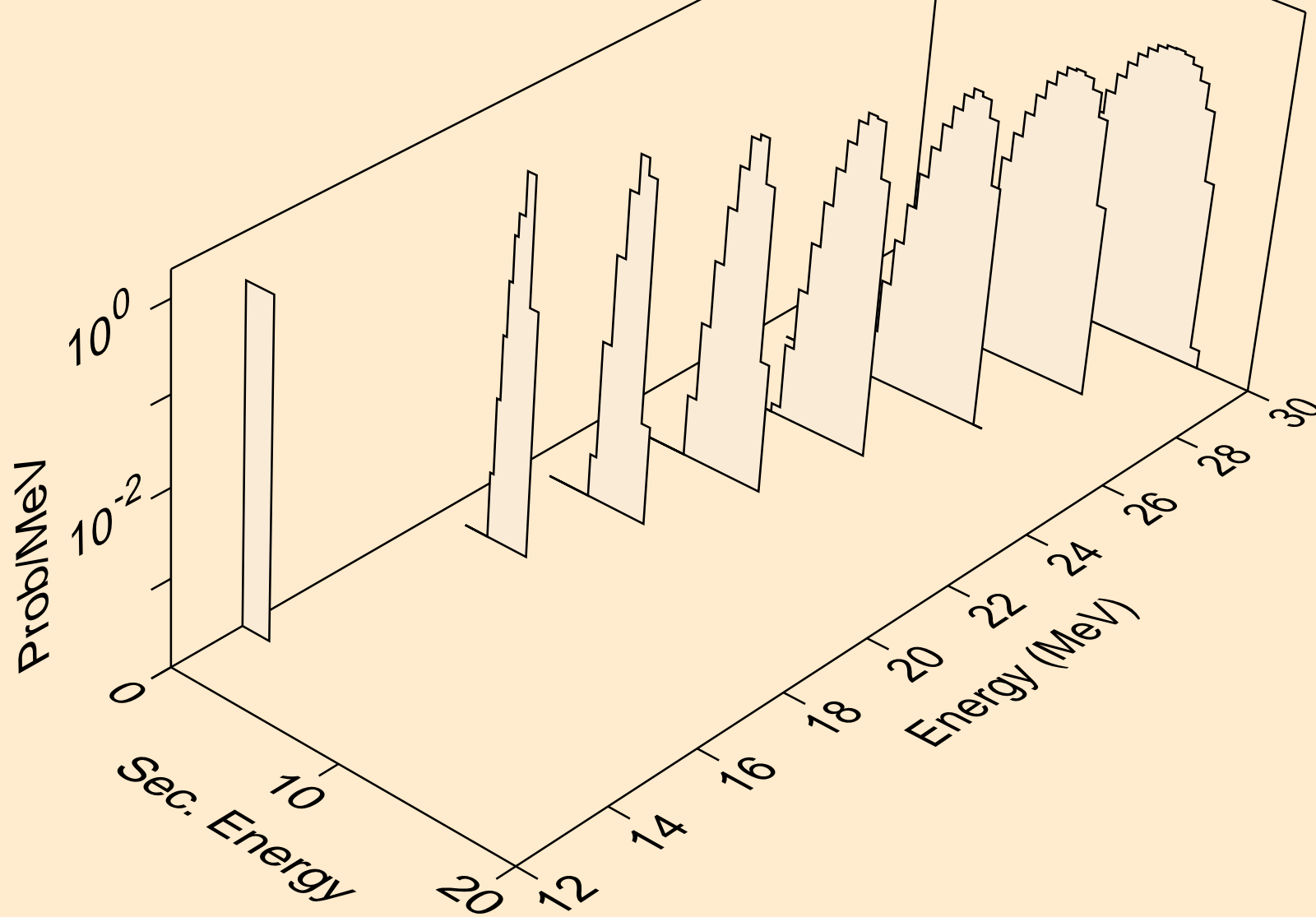
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)



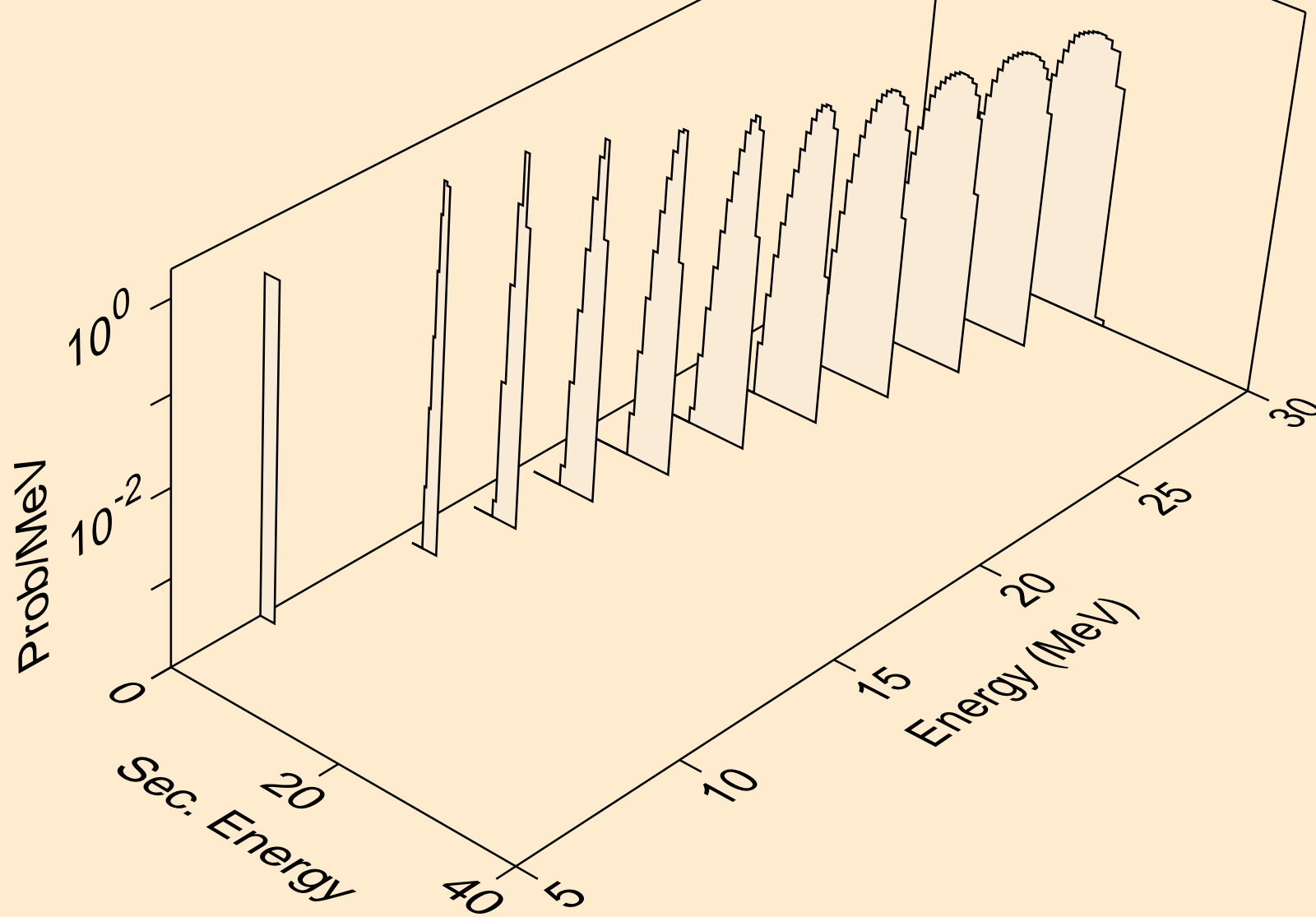
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deuterons from (p,x)



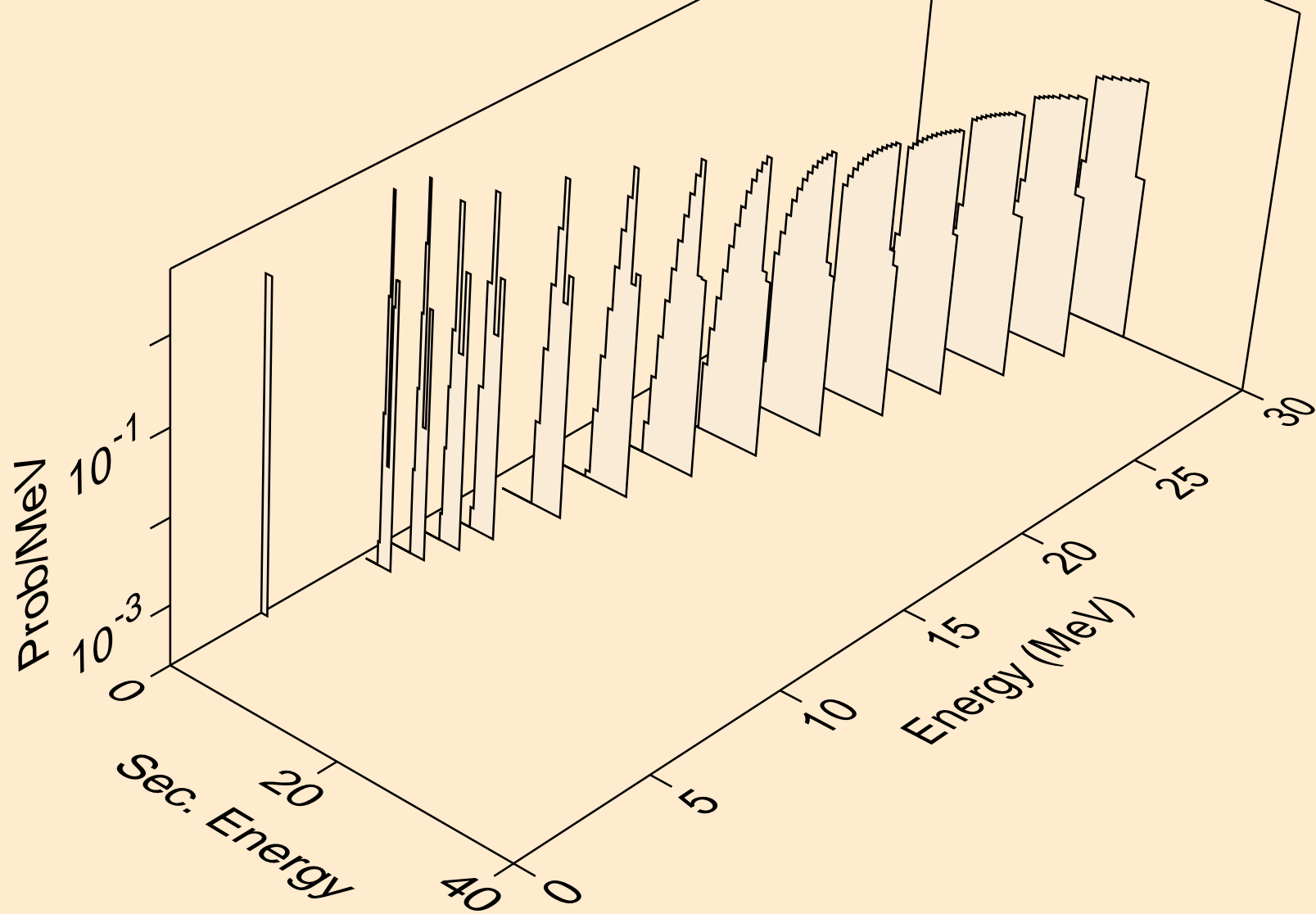
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,2nd)



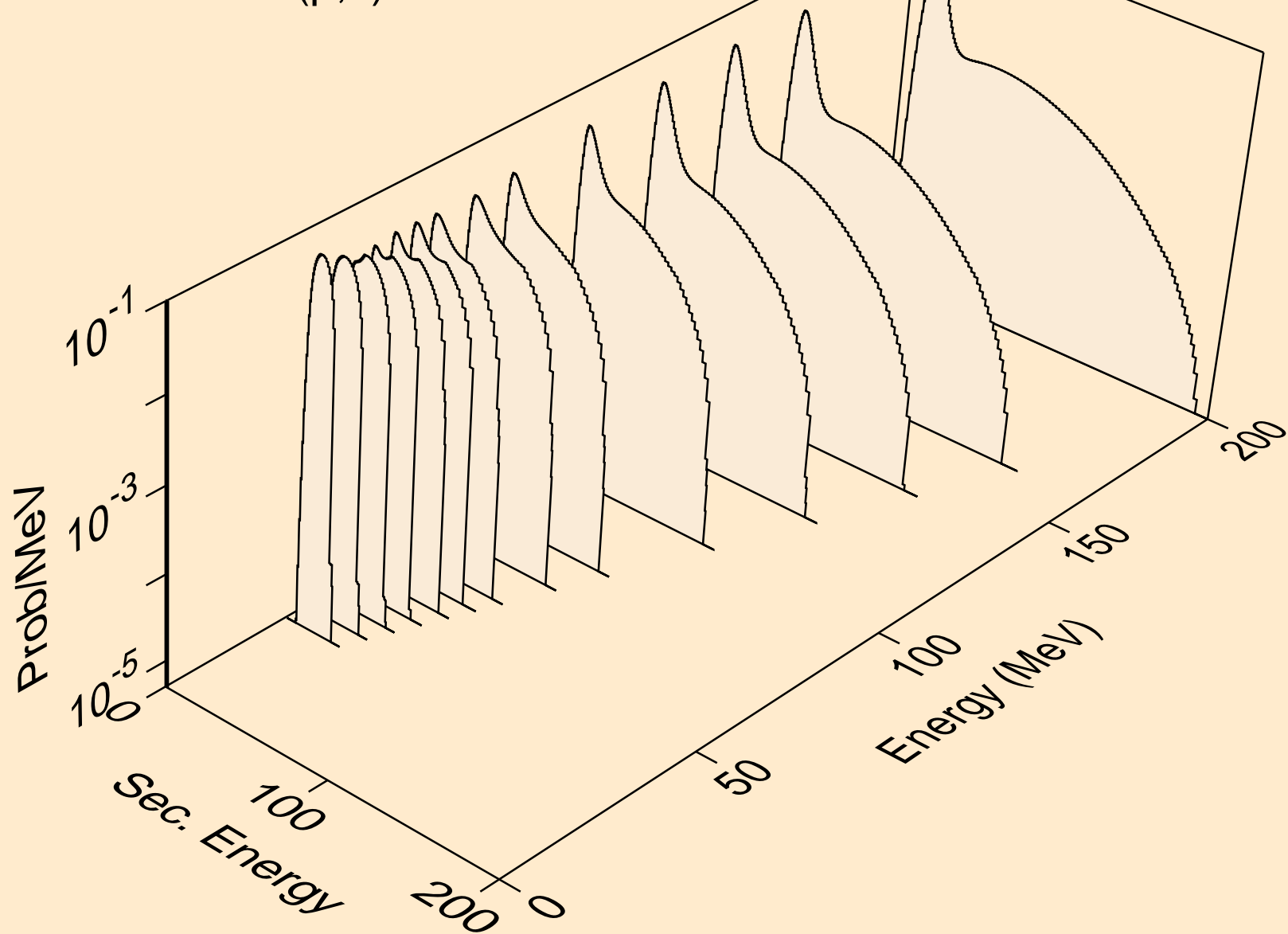
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,n\*)d



TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,d)

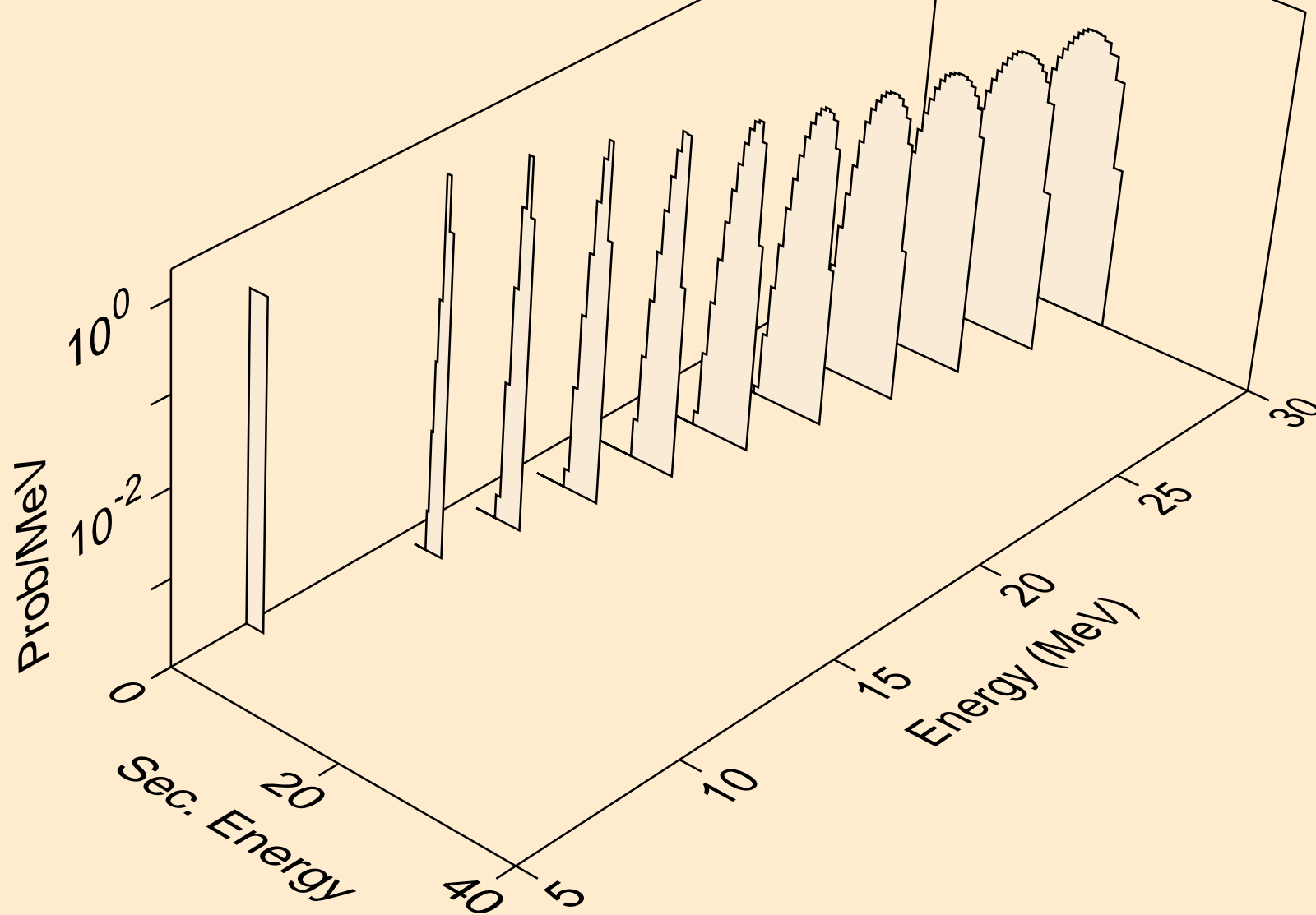


TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,x)

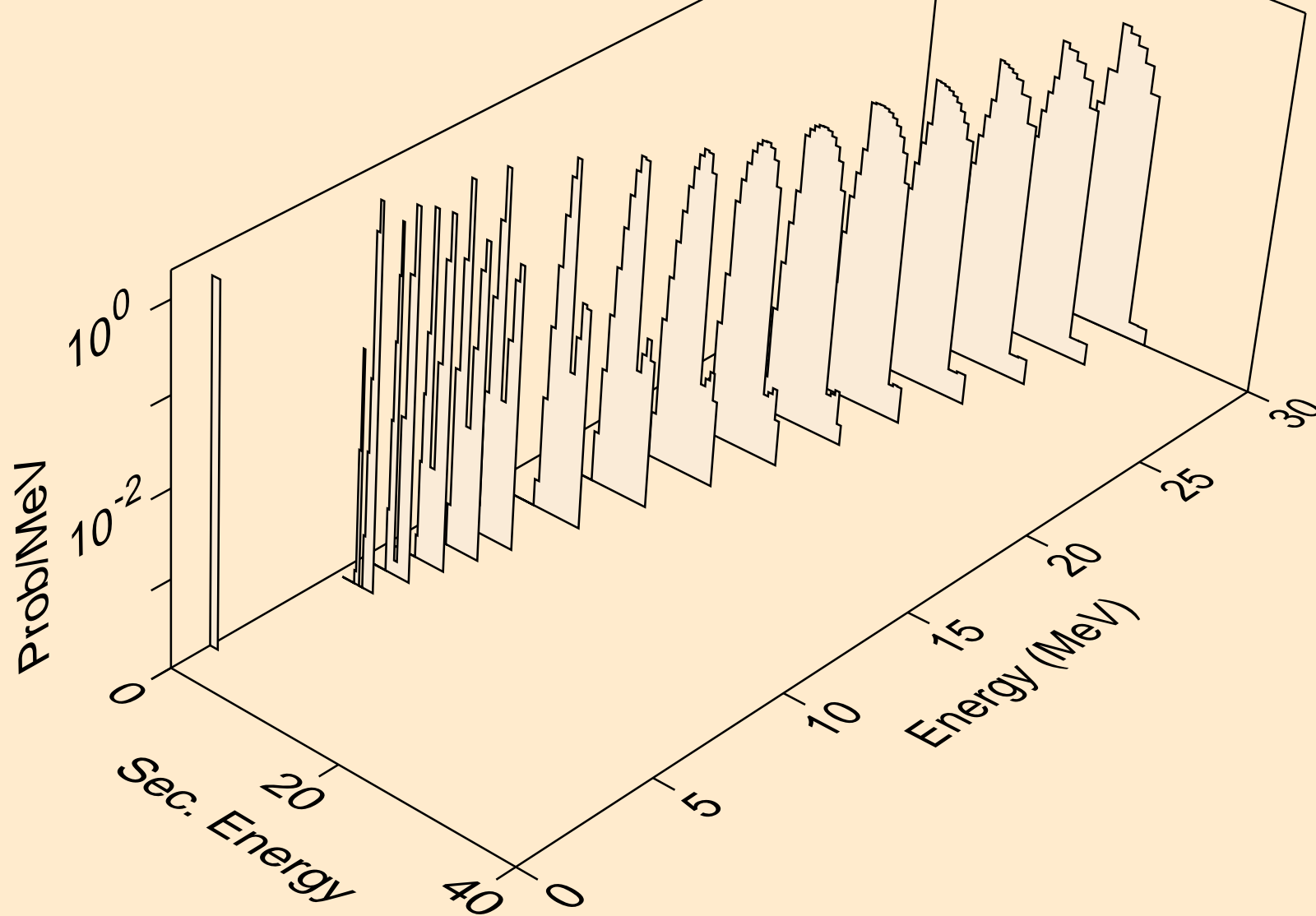




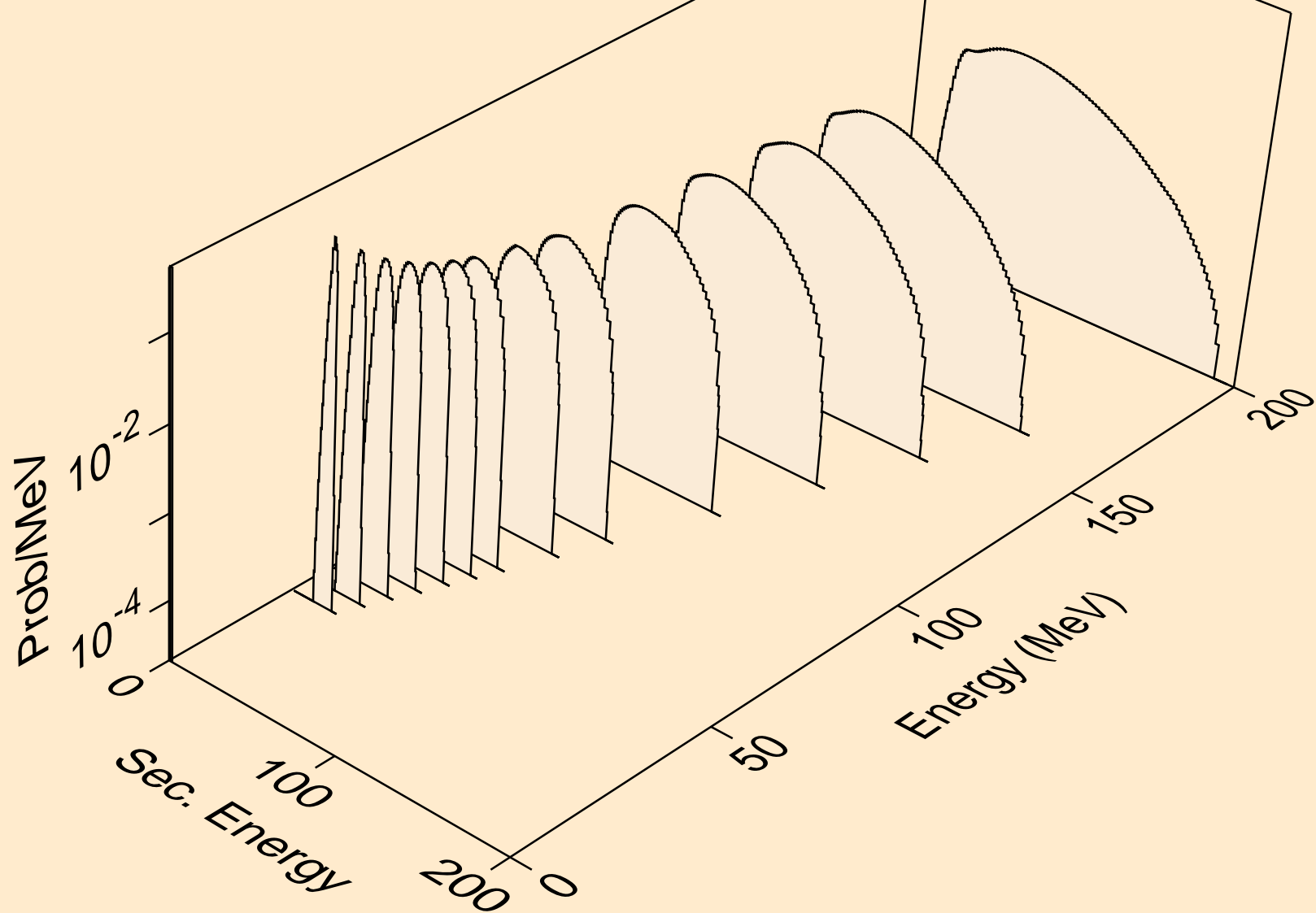
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,n\*)t



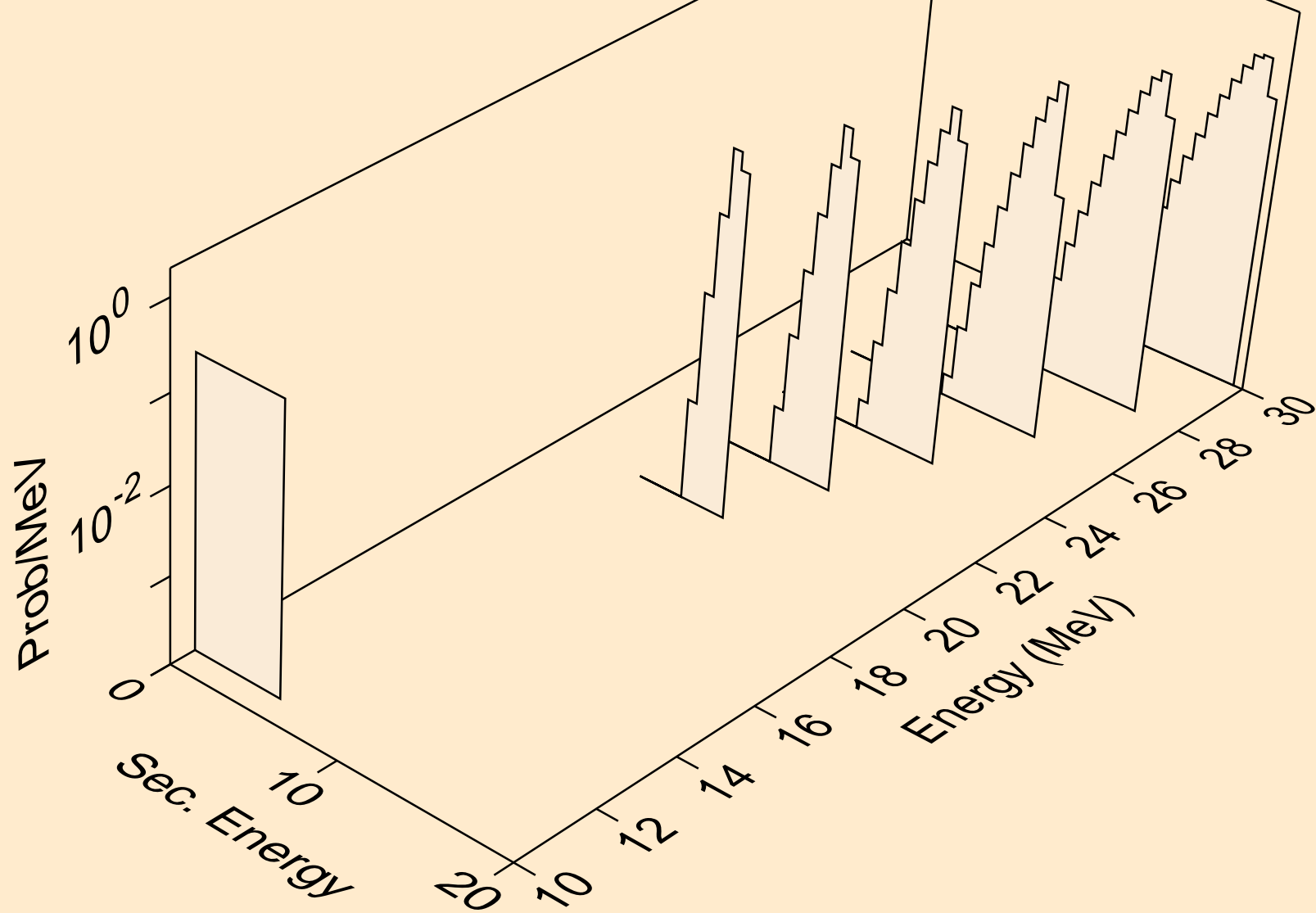
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,t)



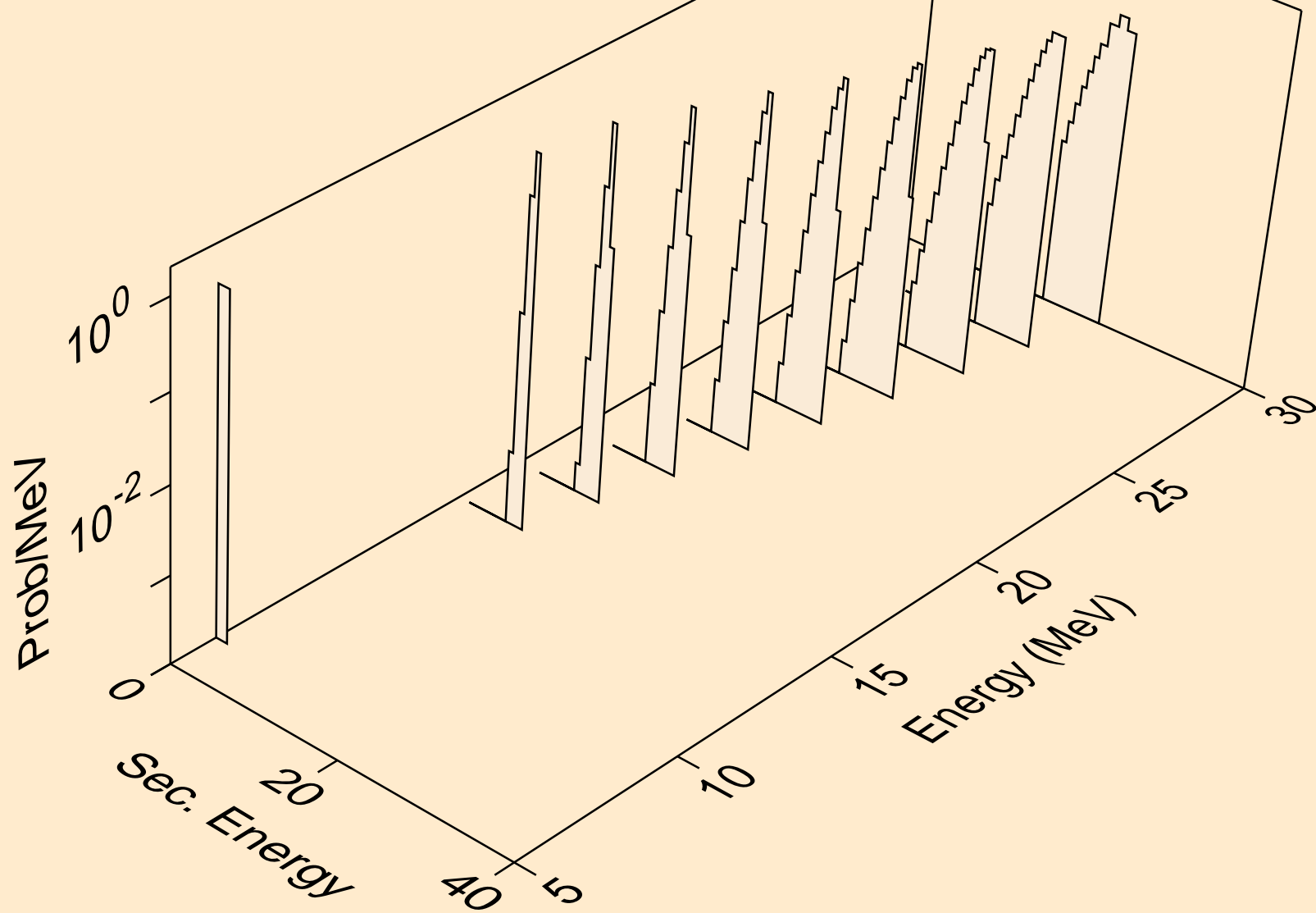
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,x)



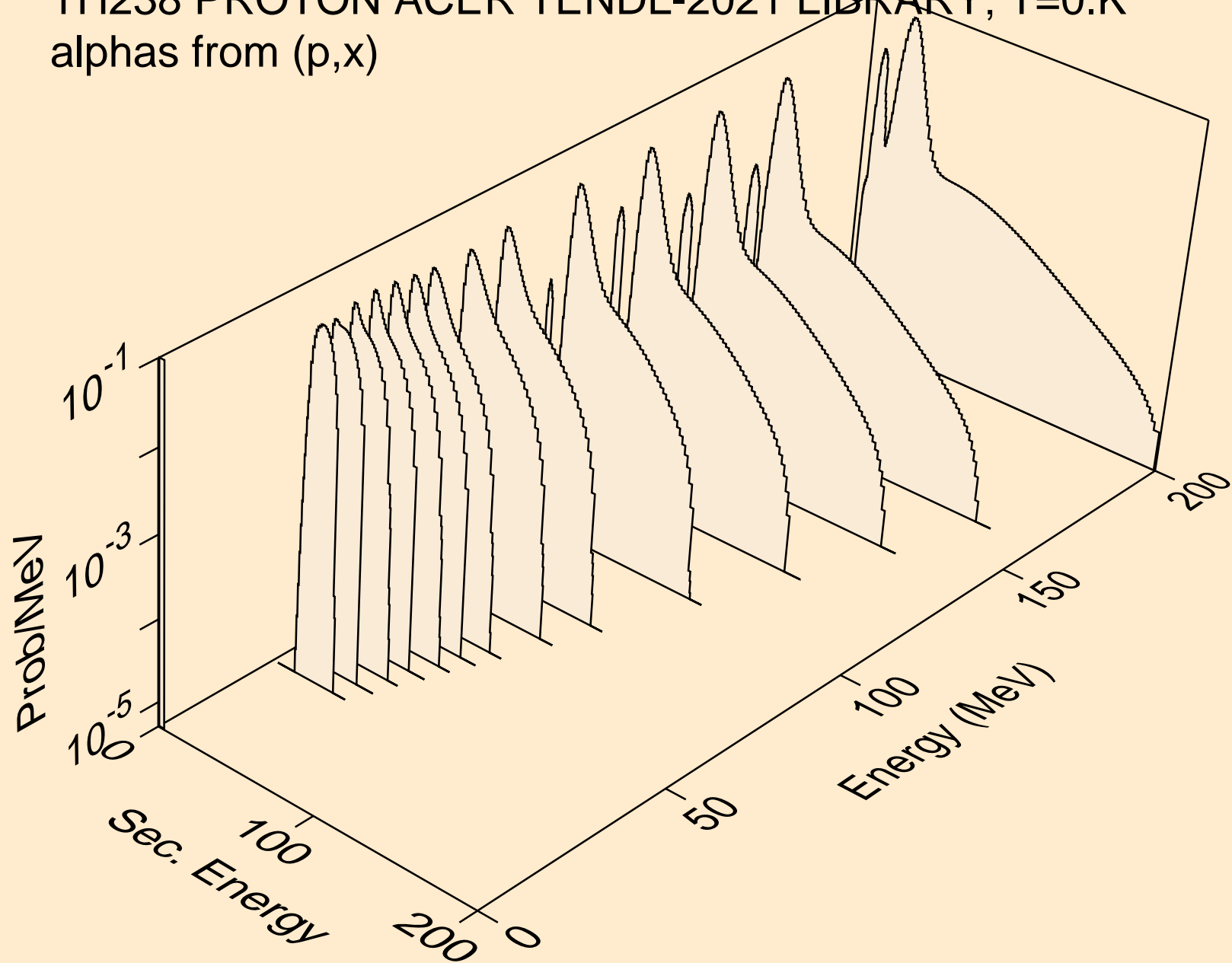
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,n\*)he3



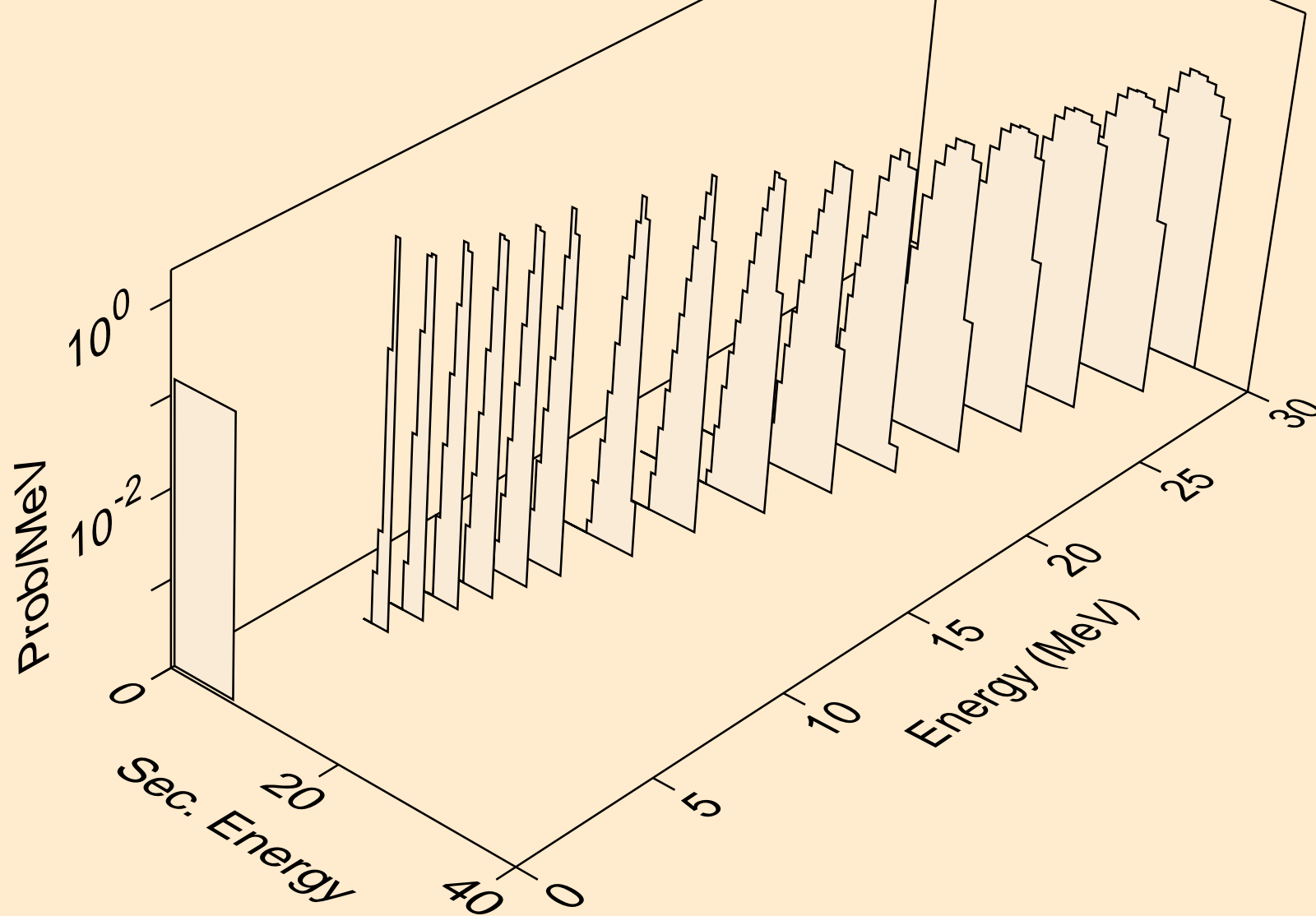
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,he3)



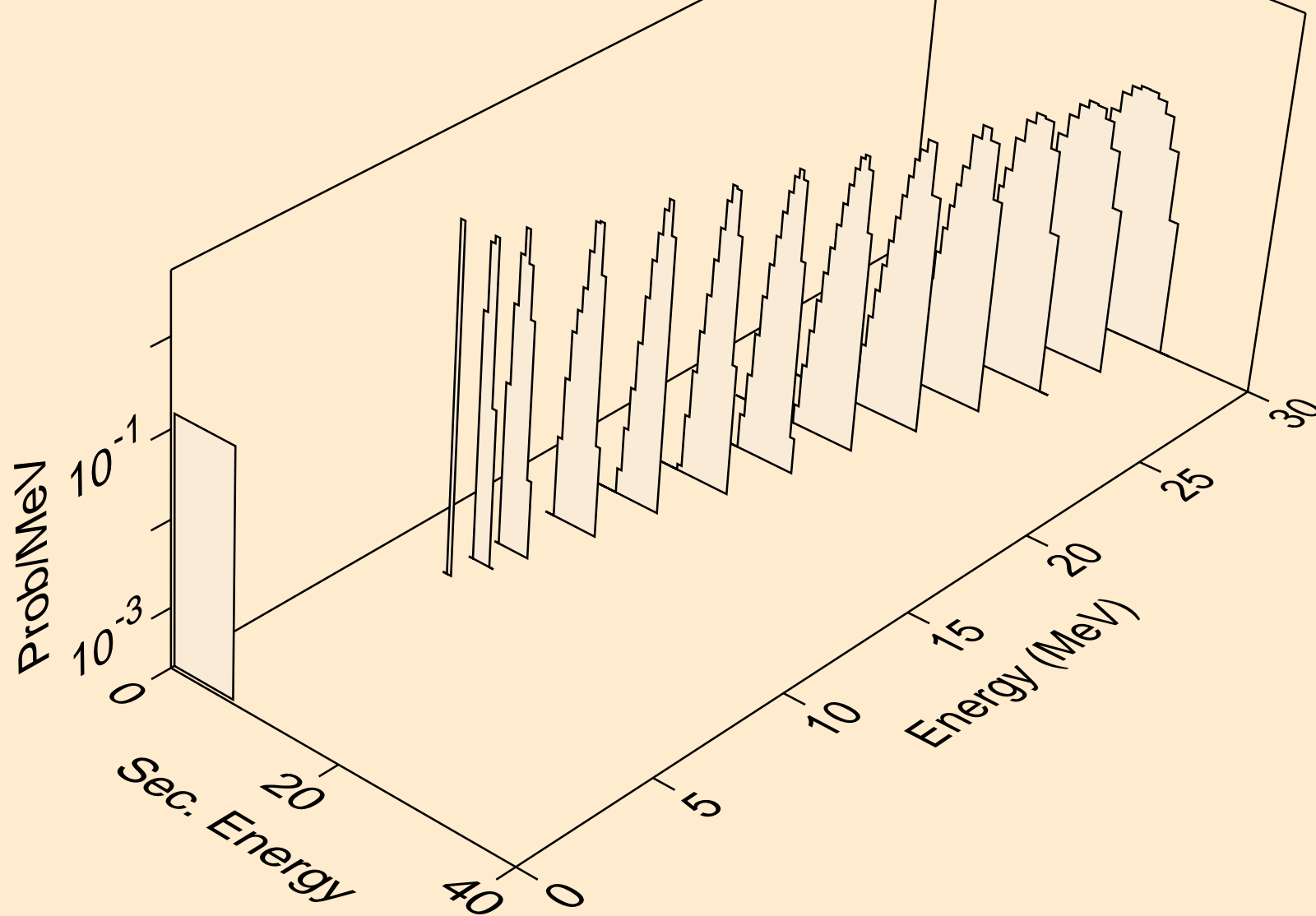
TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,x)



TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)a

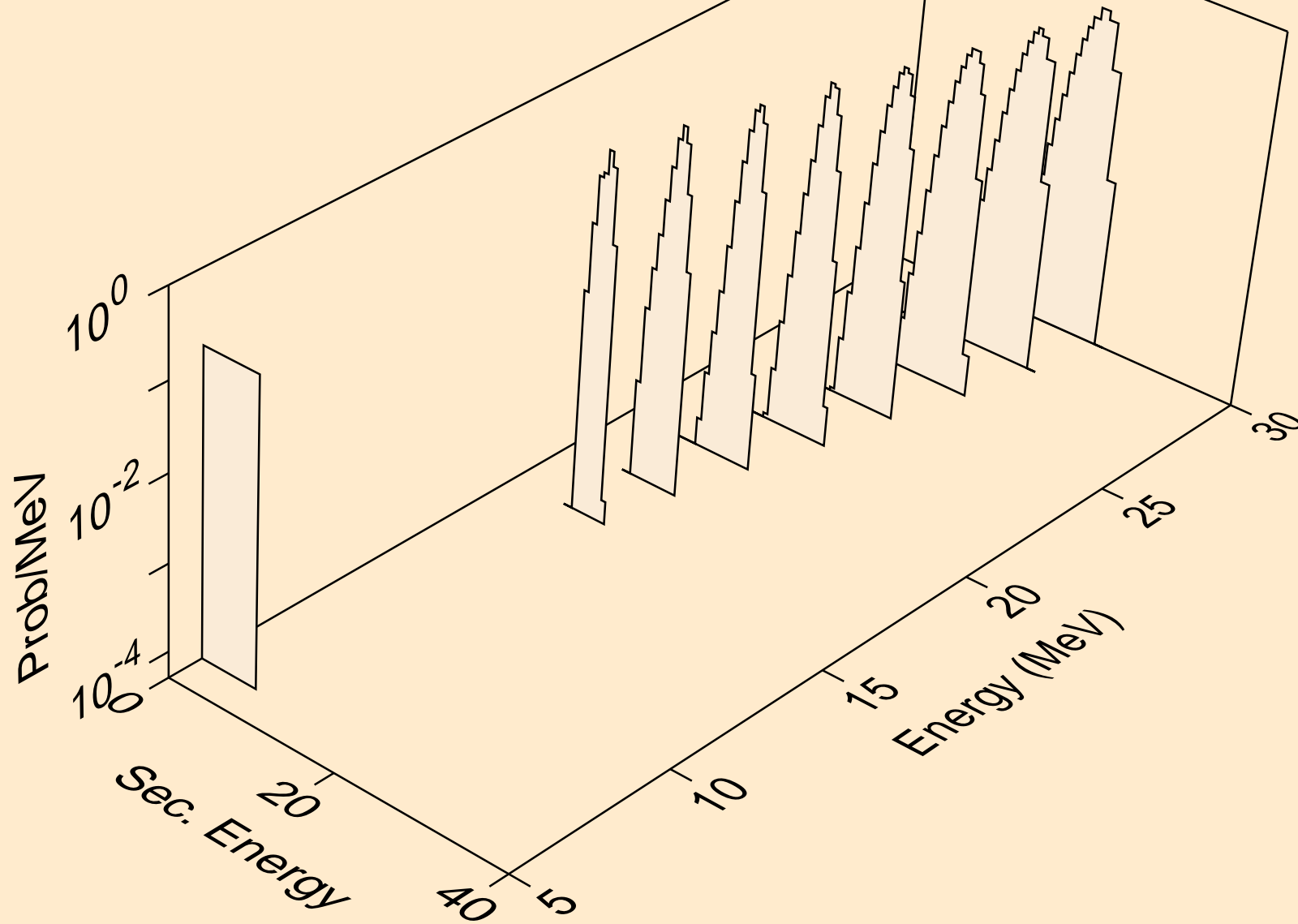


TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2n)a





TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,3n)a



TH238 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,a)

