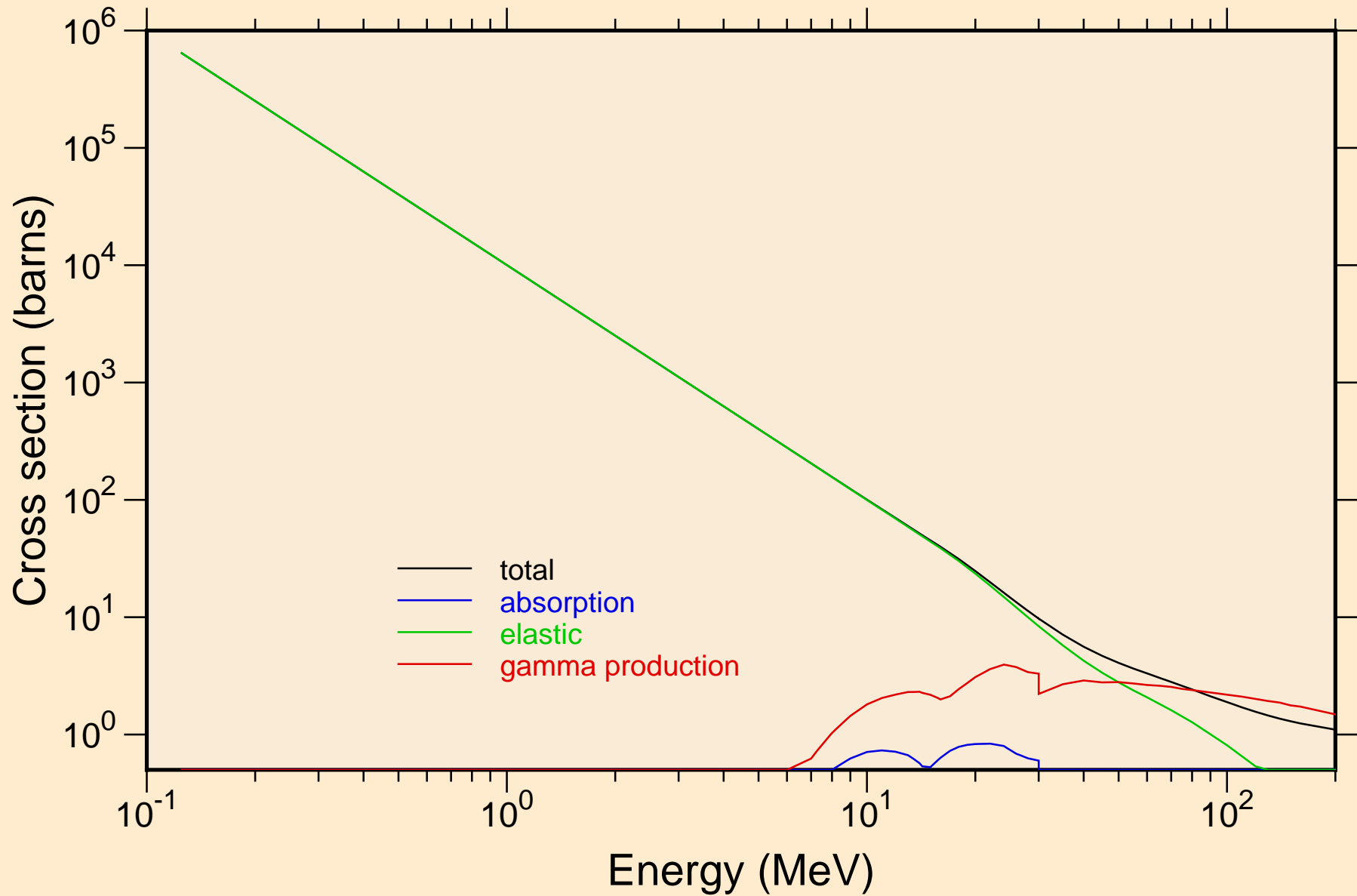
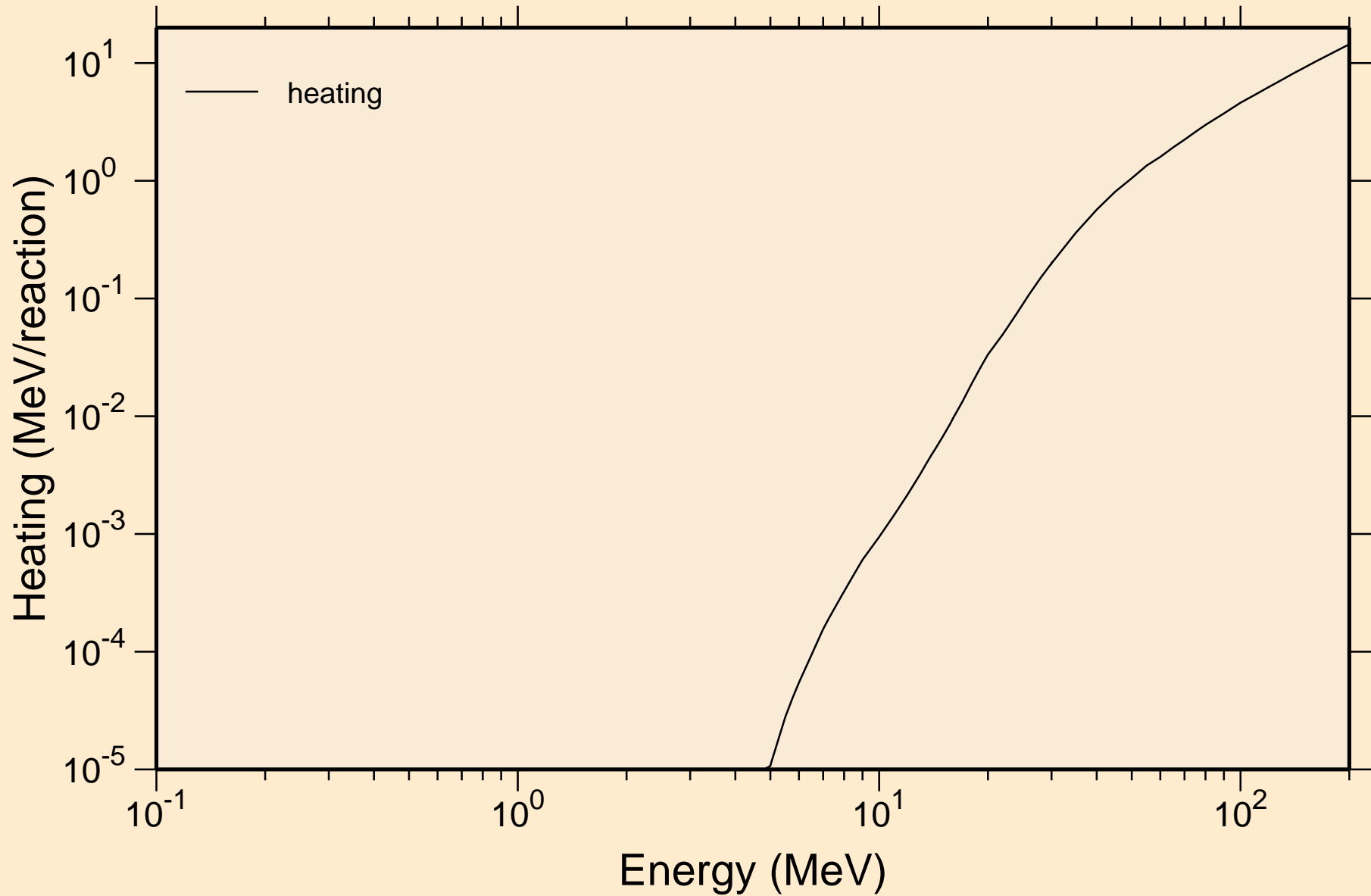


ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Principal cross sections



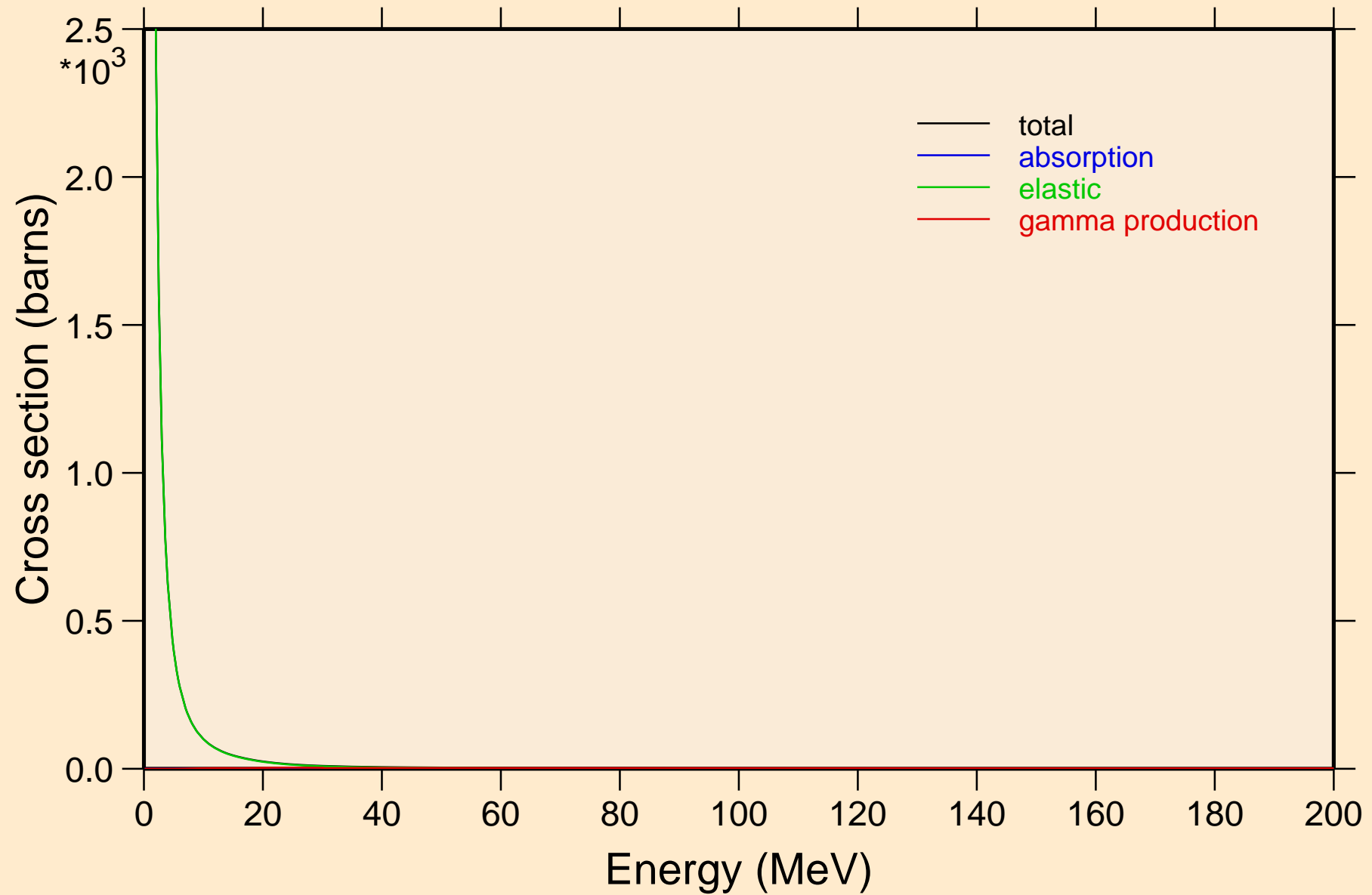
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Heating



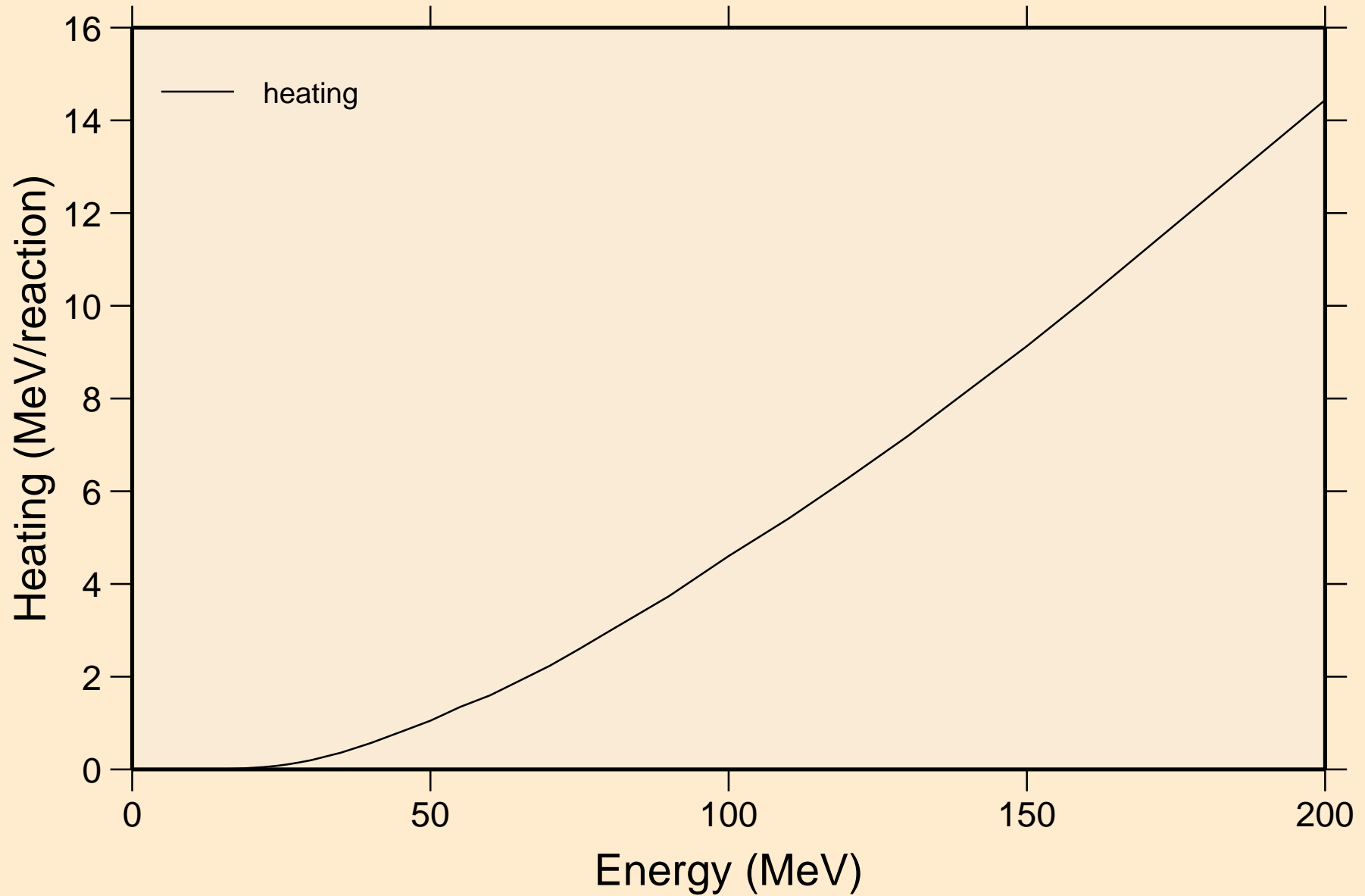
# ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections

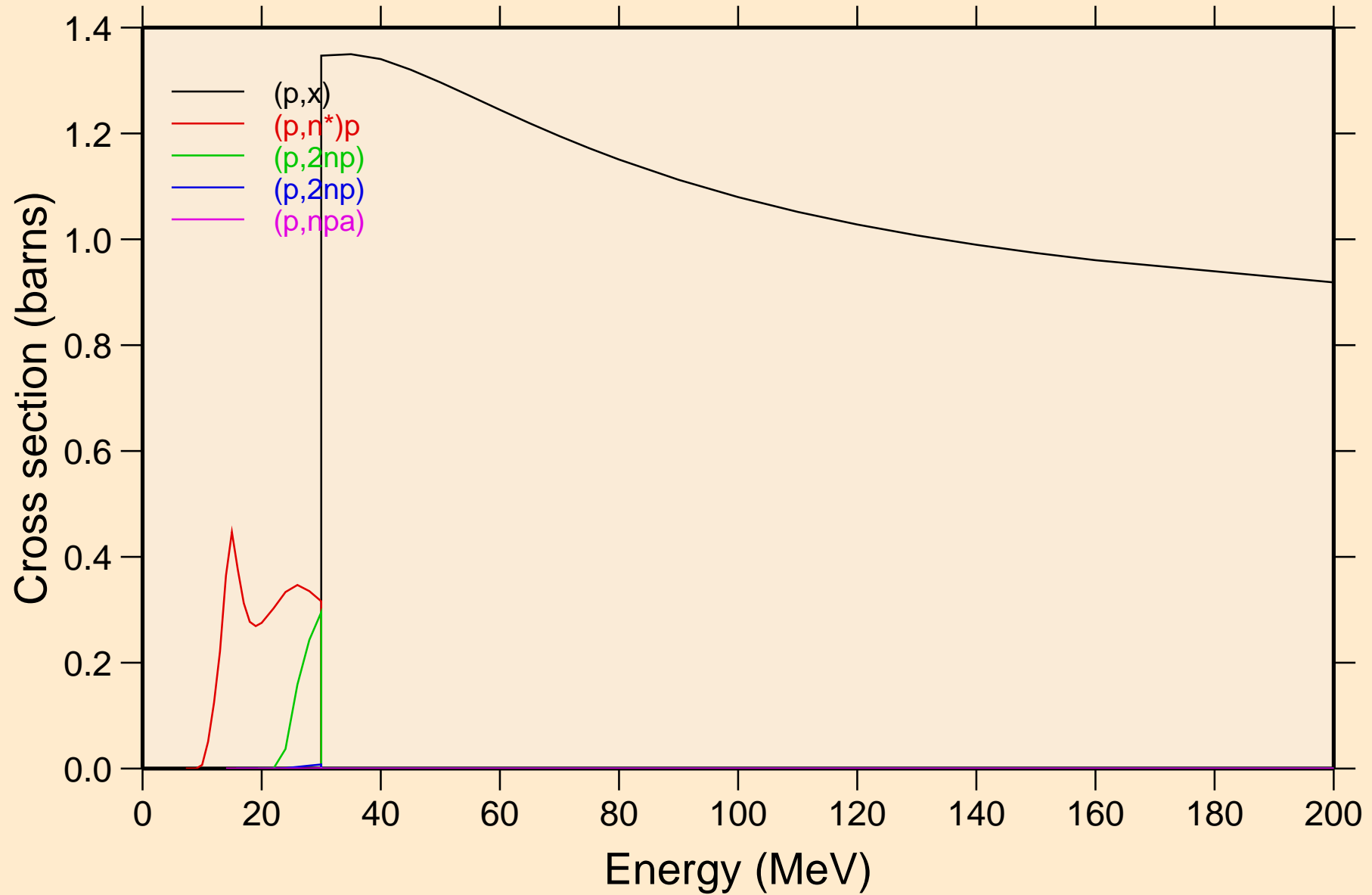


ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K

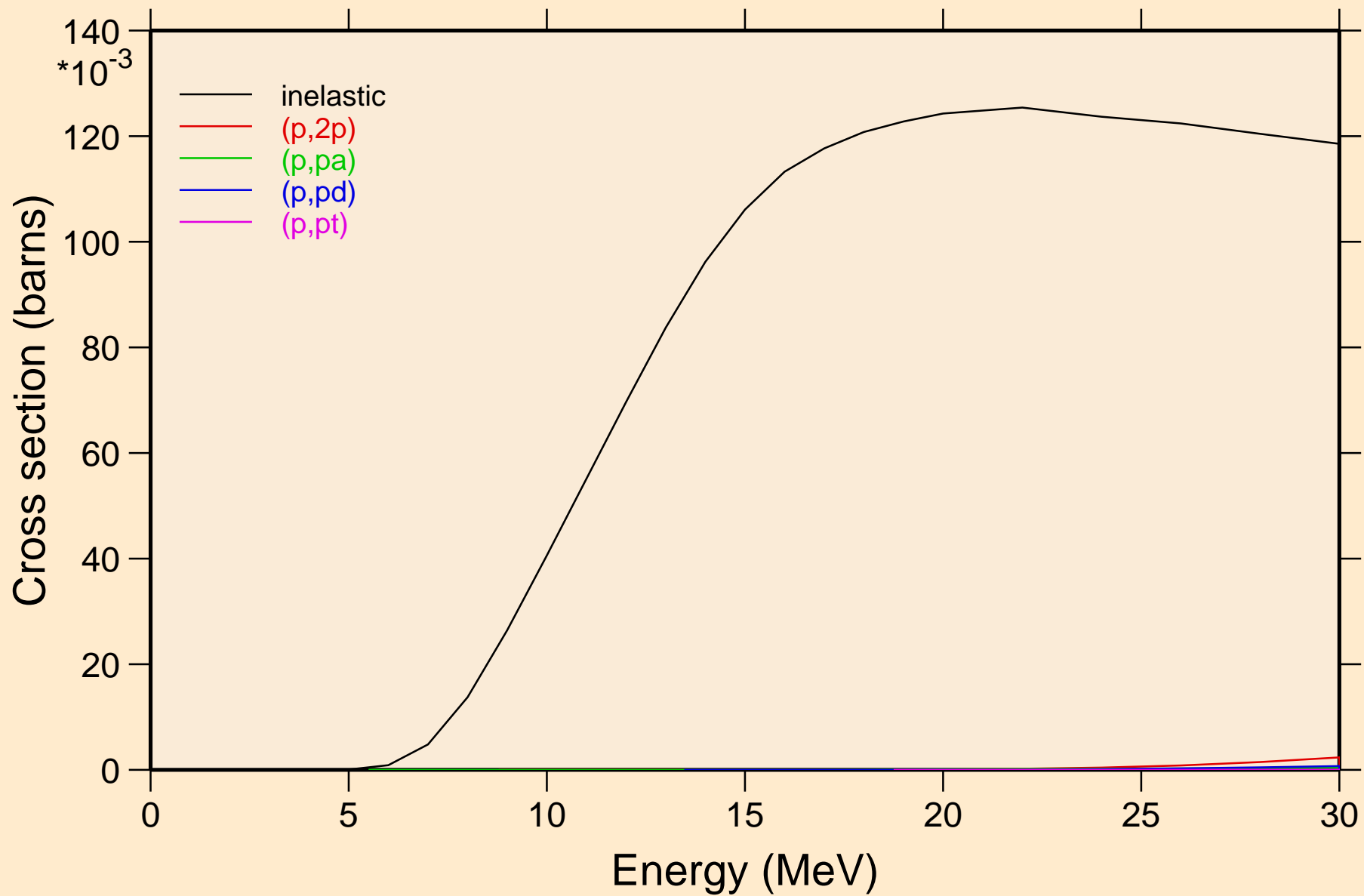
Heating



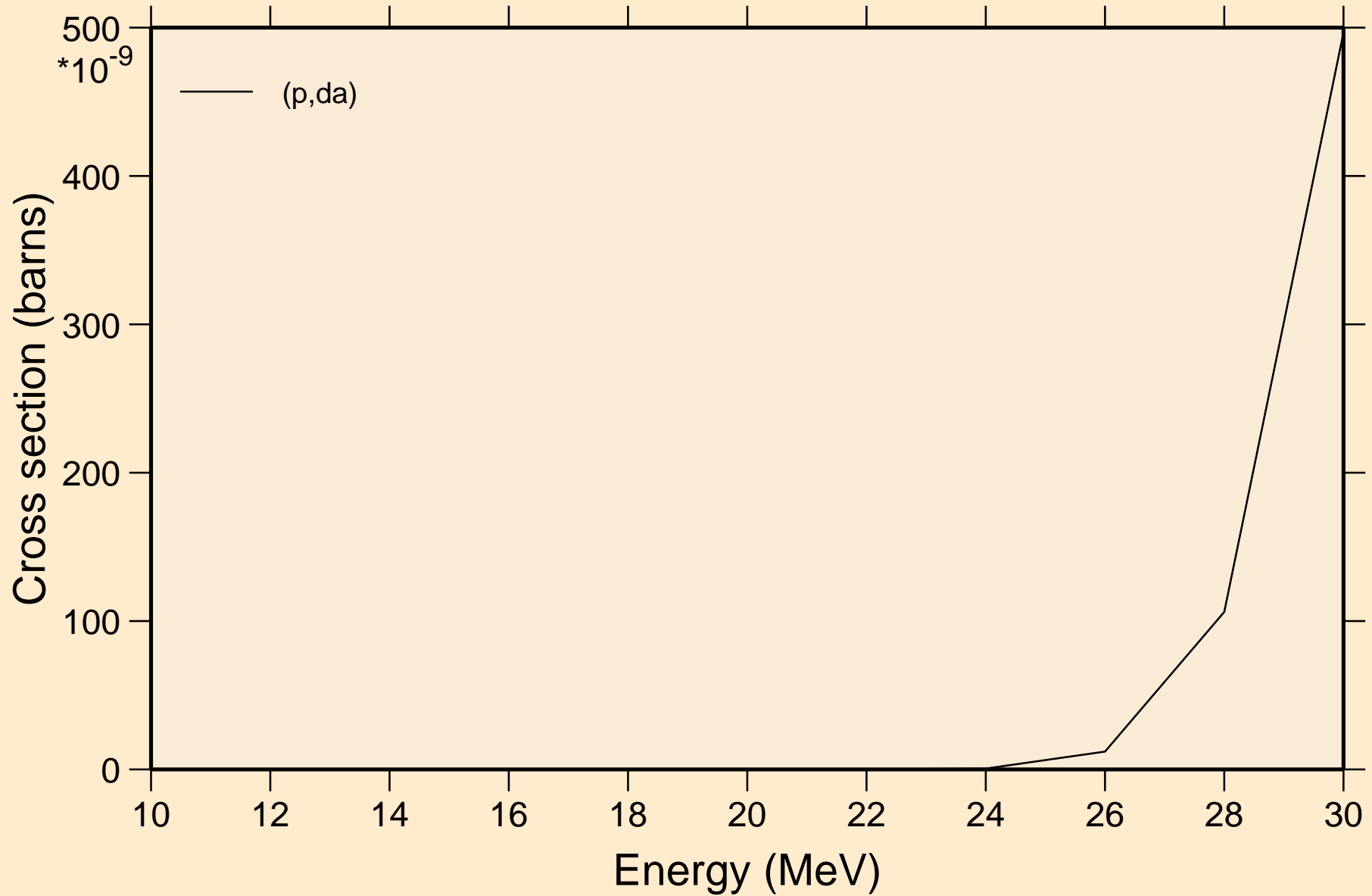
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



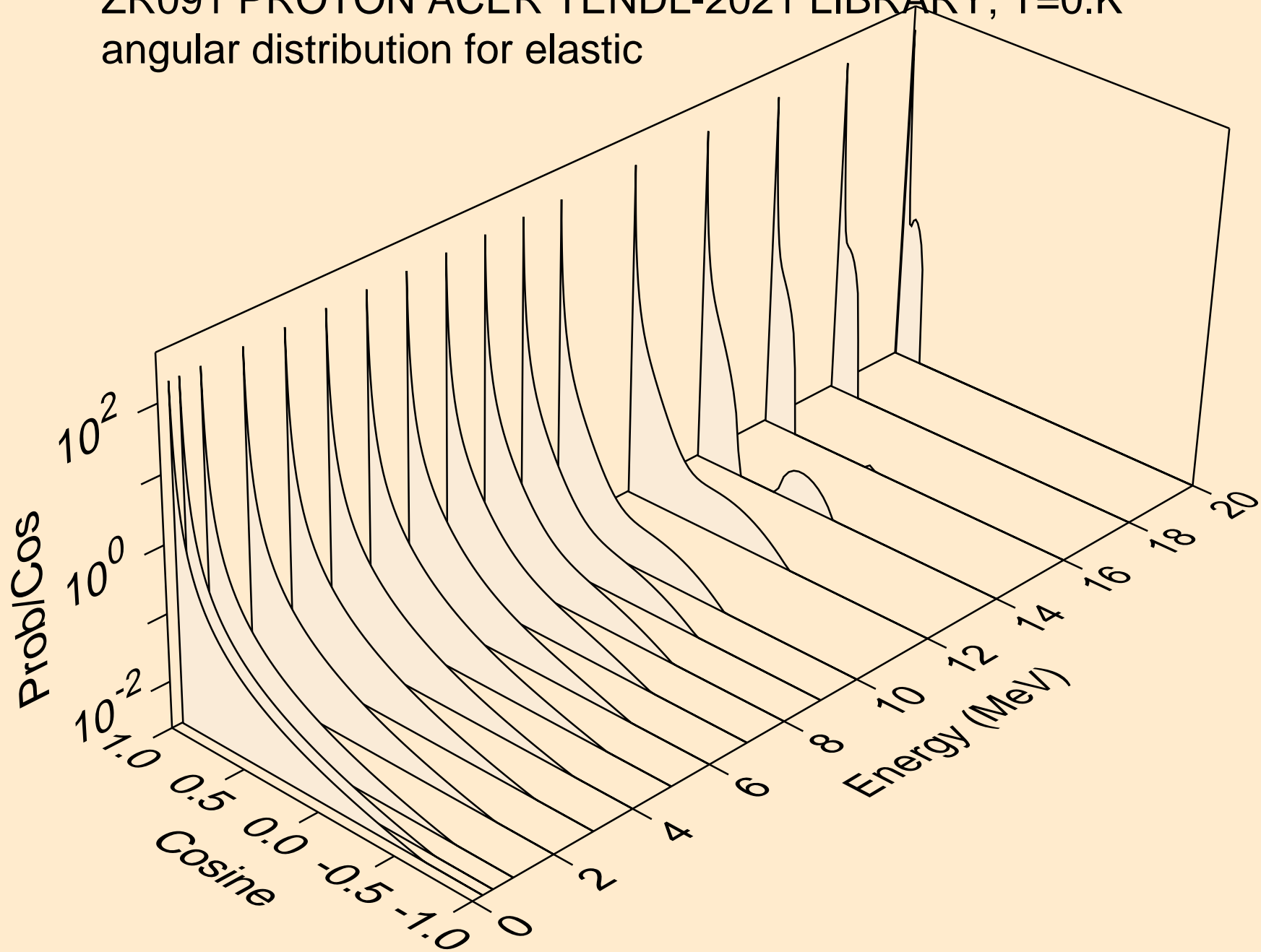
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



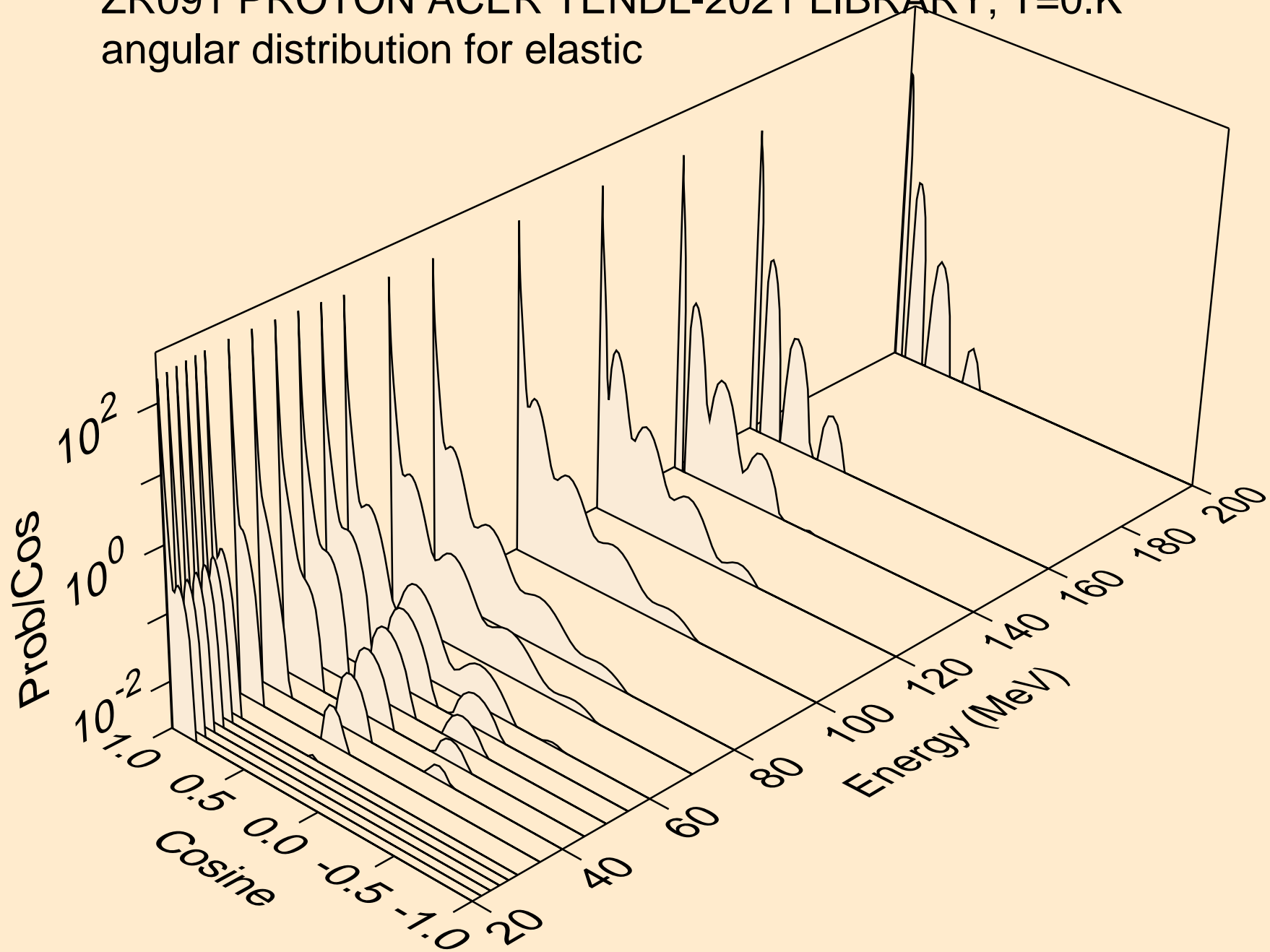
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



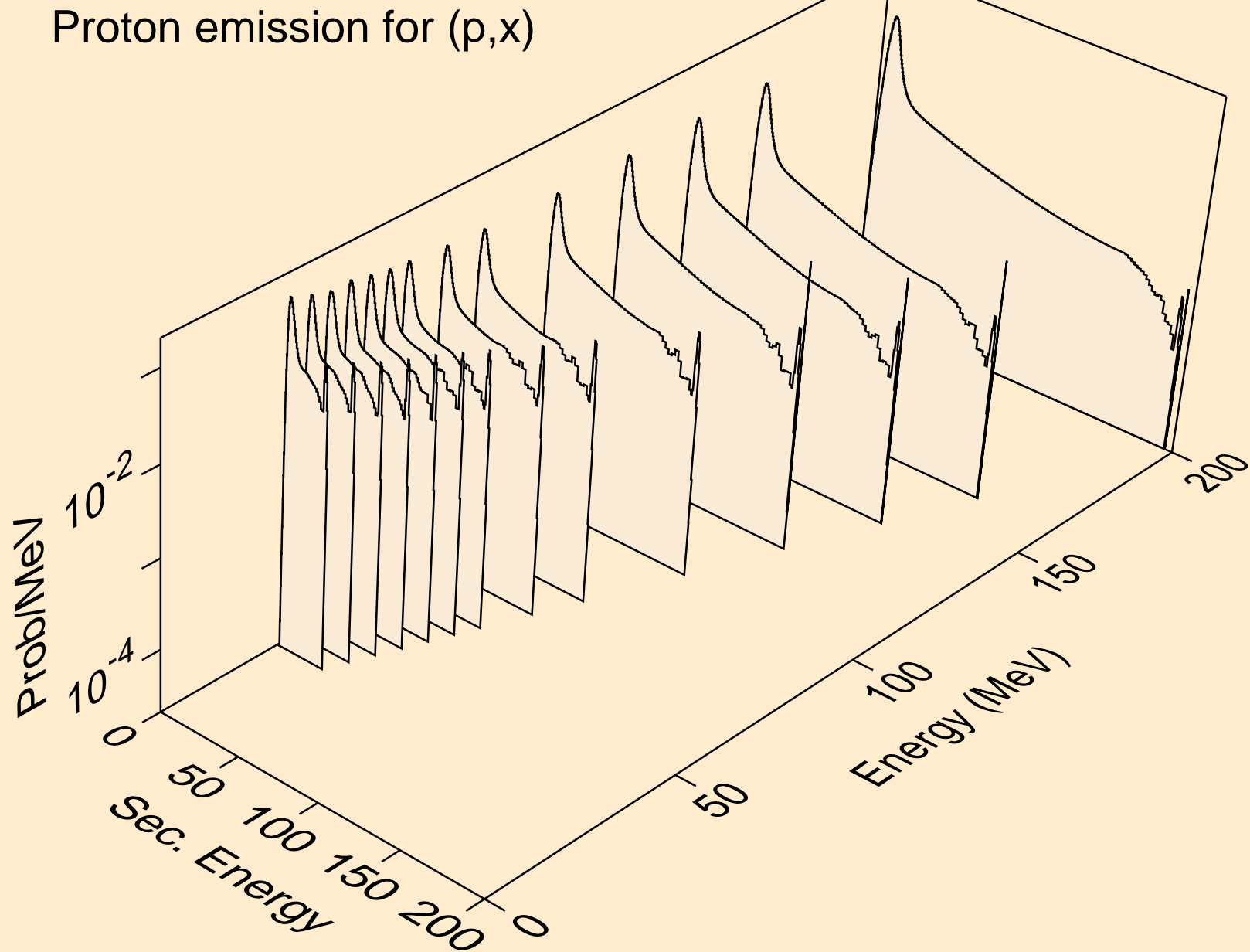
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



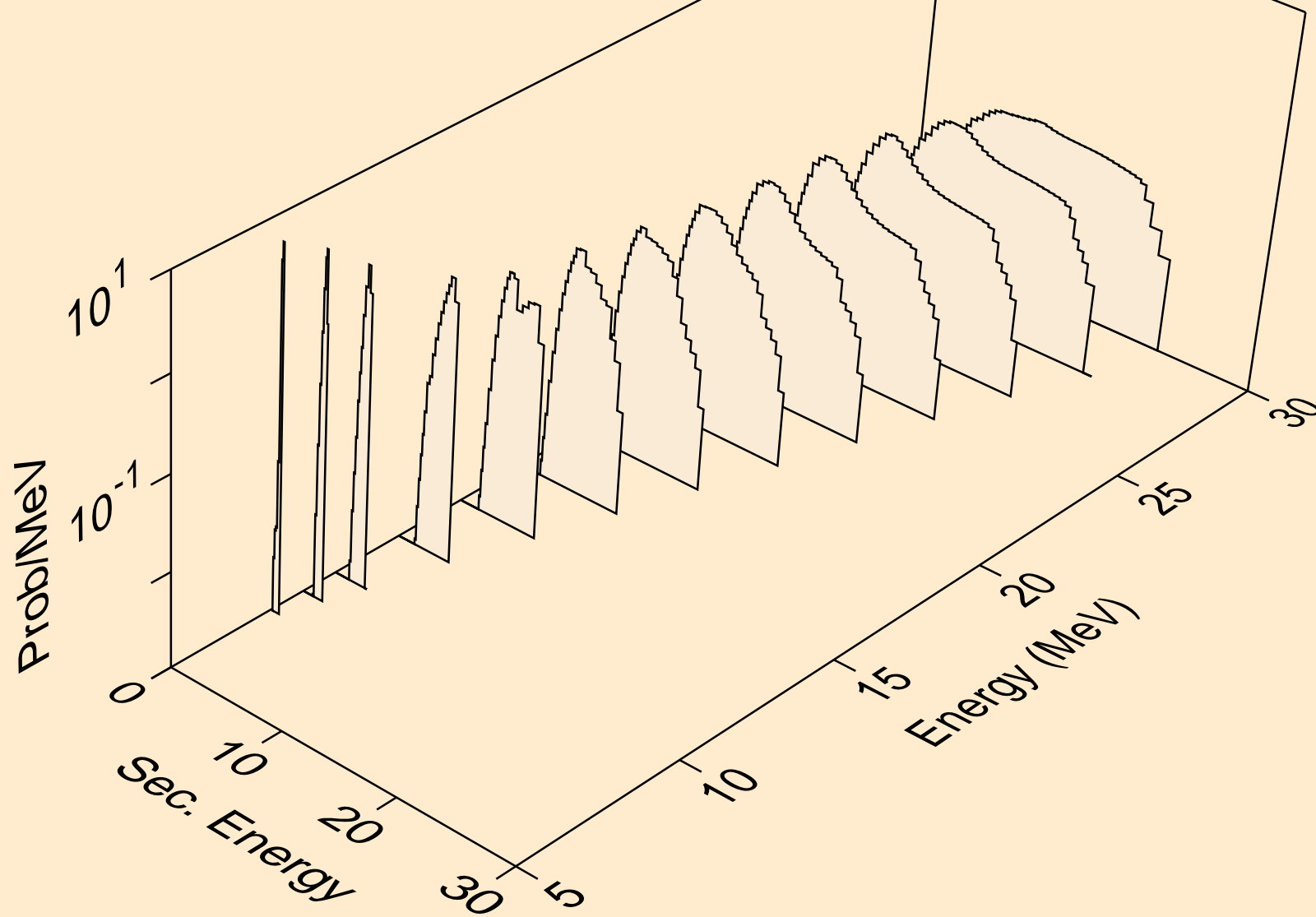
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



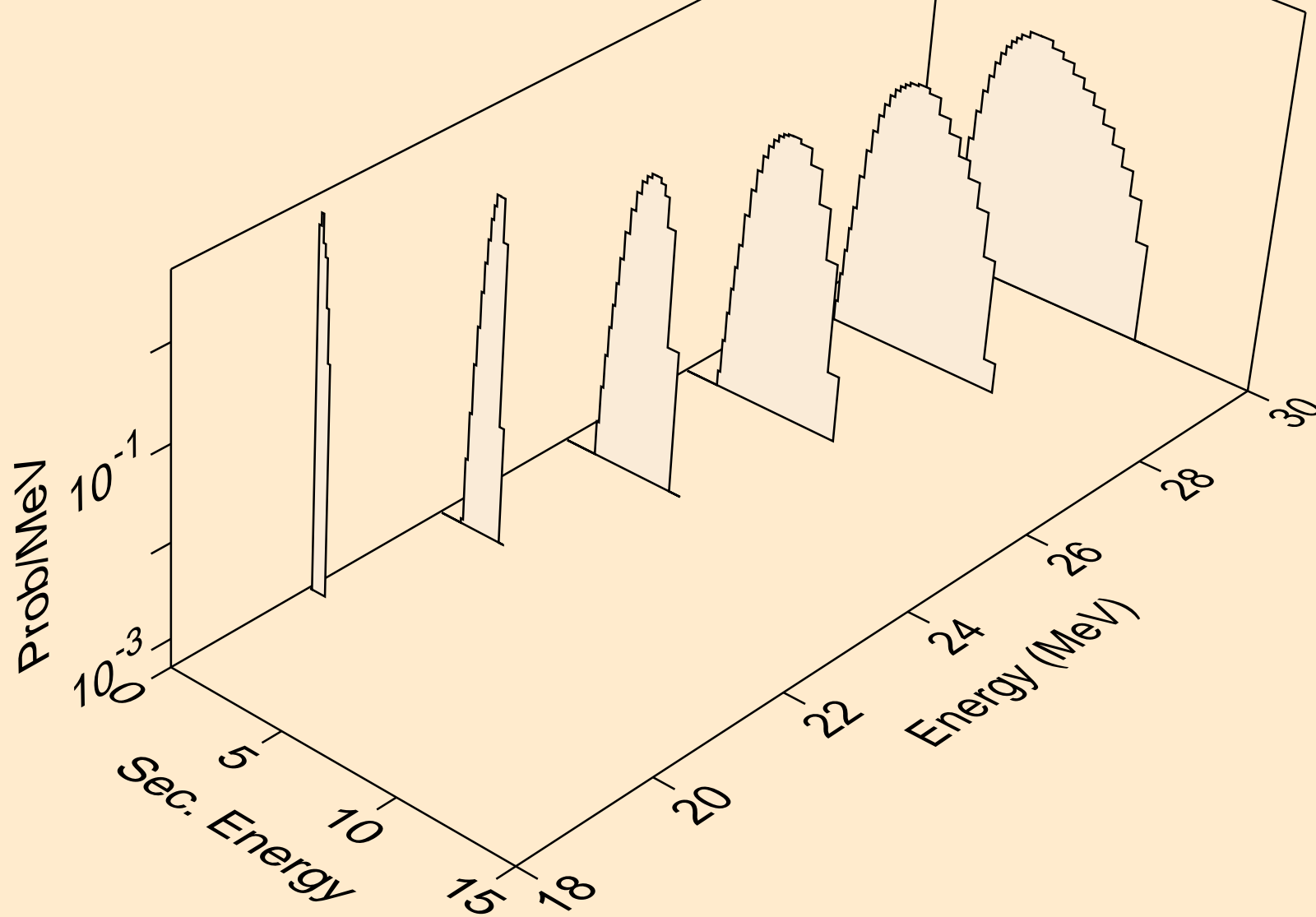
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,x)



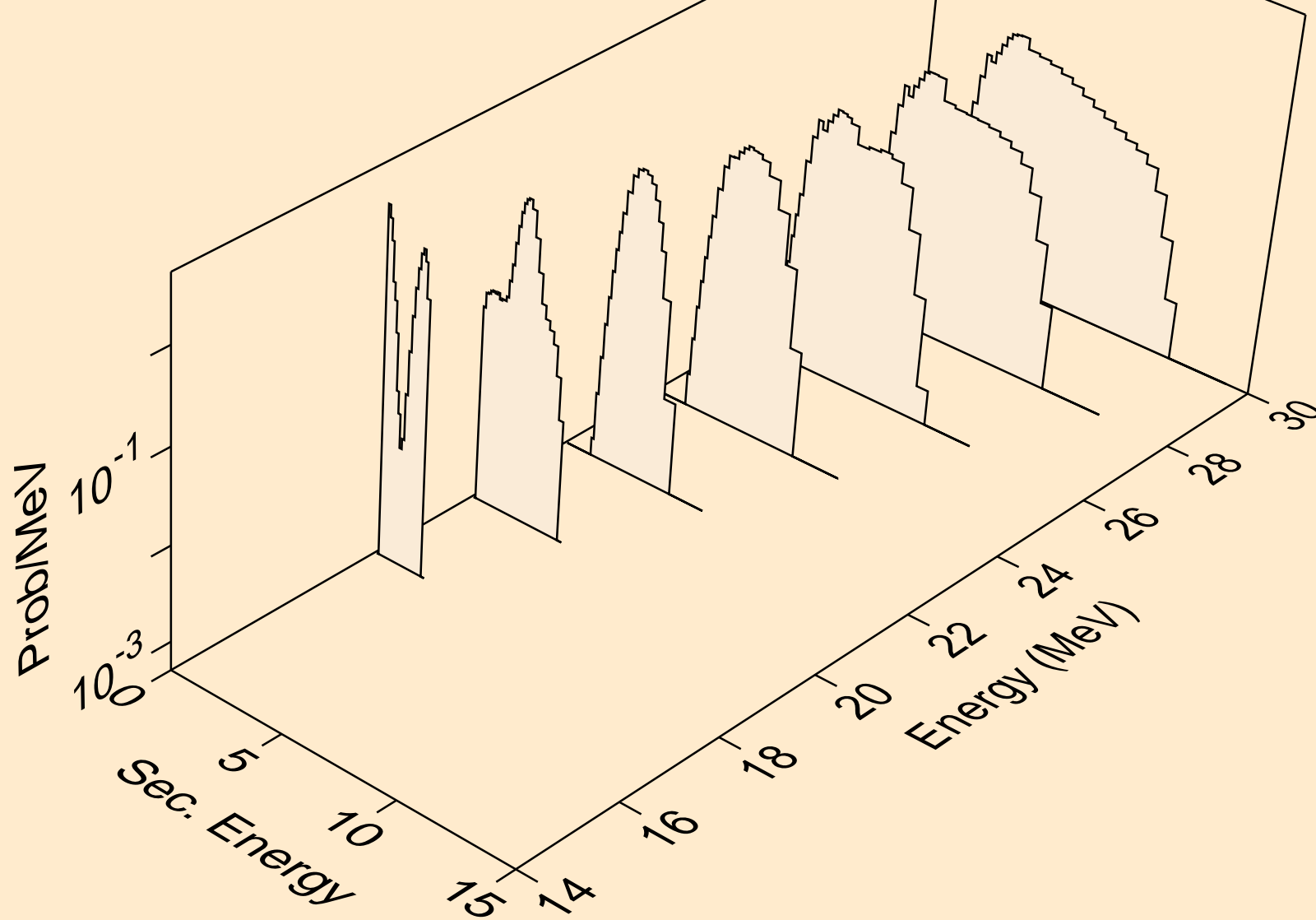
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



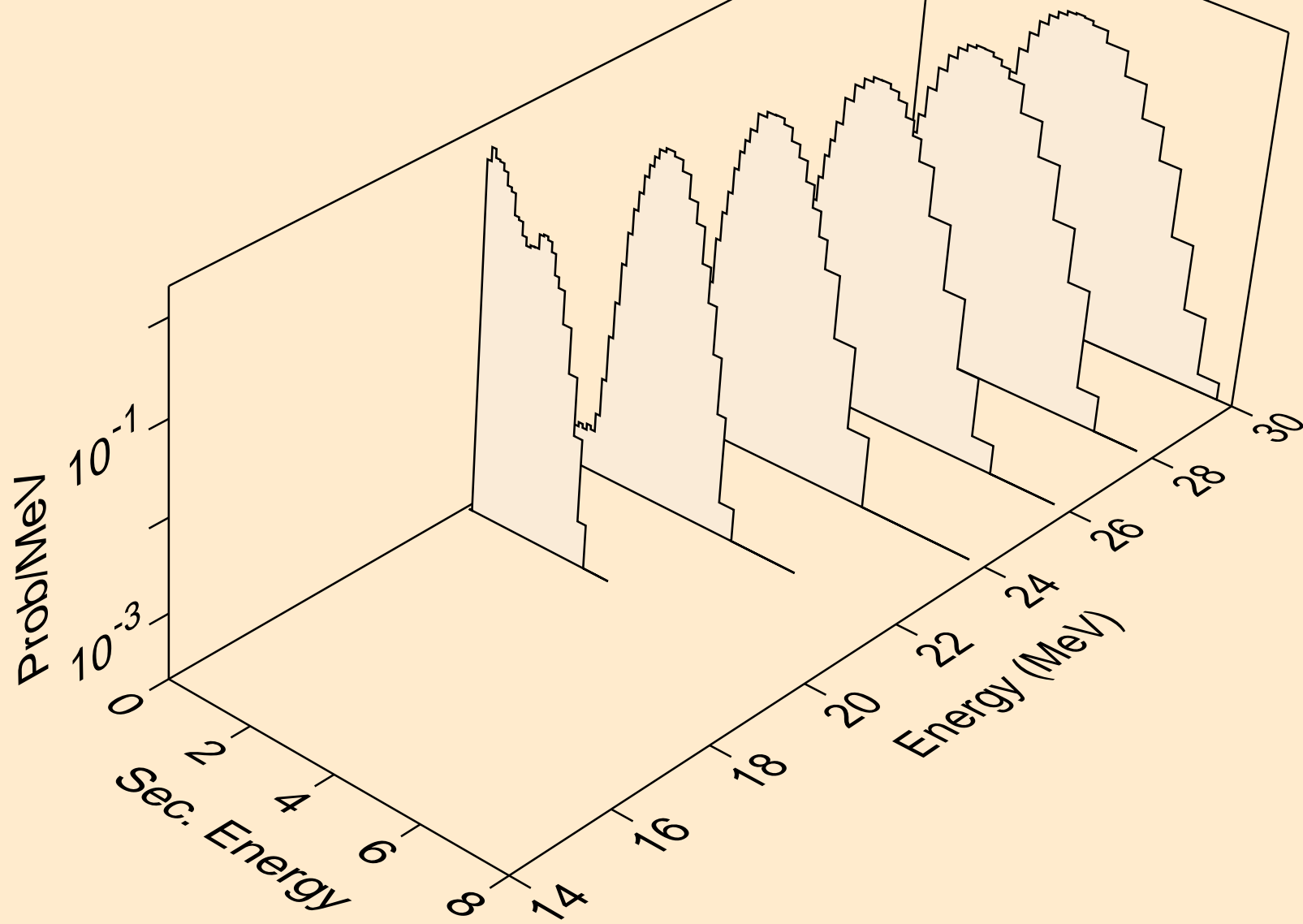
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



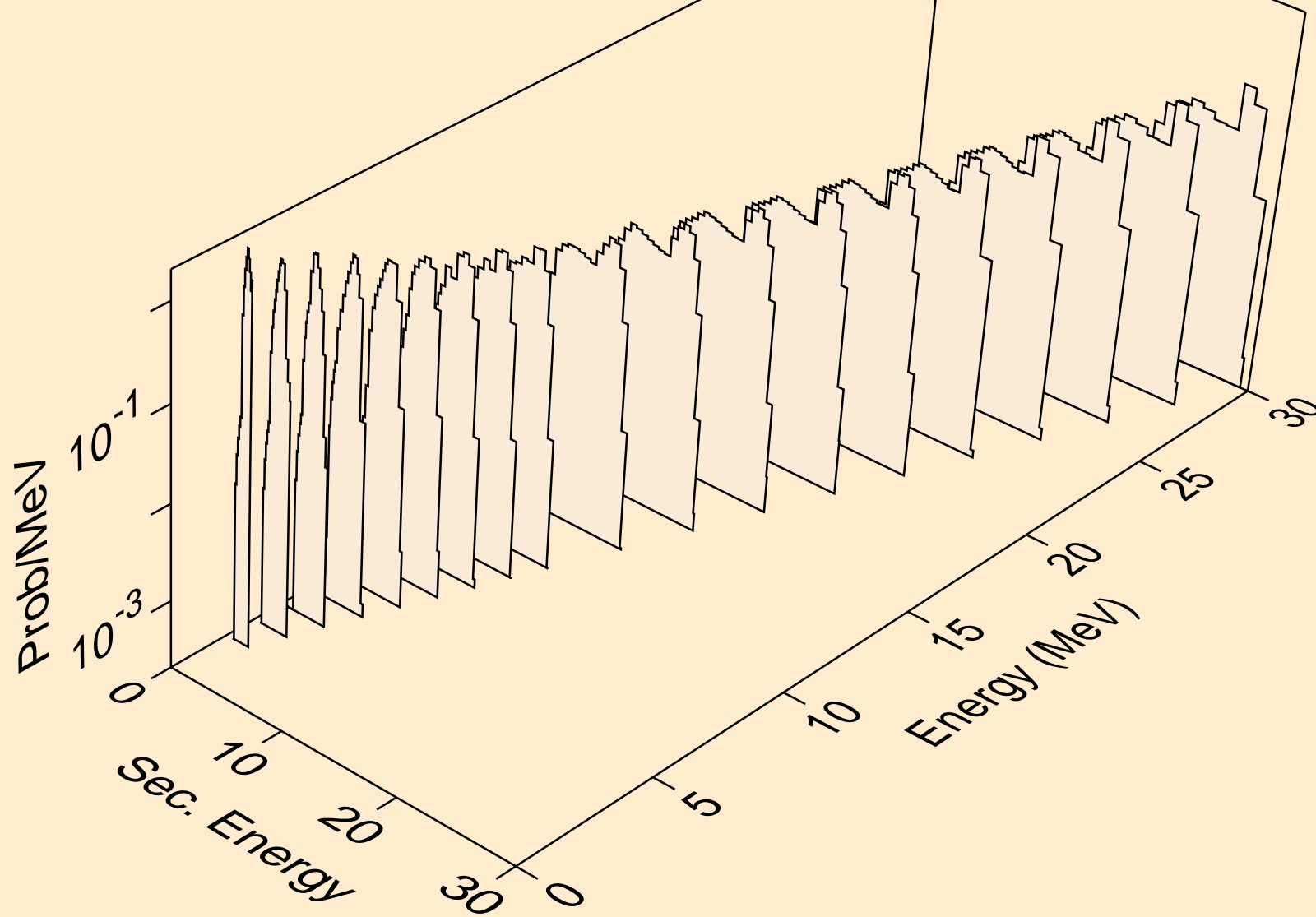
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



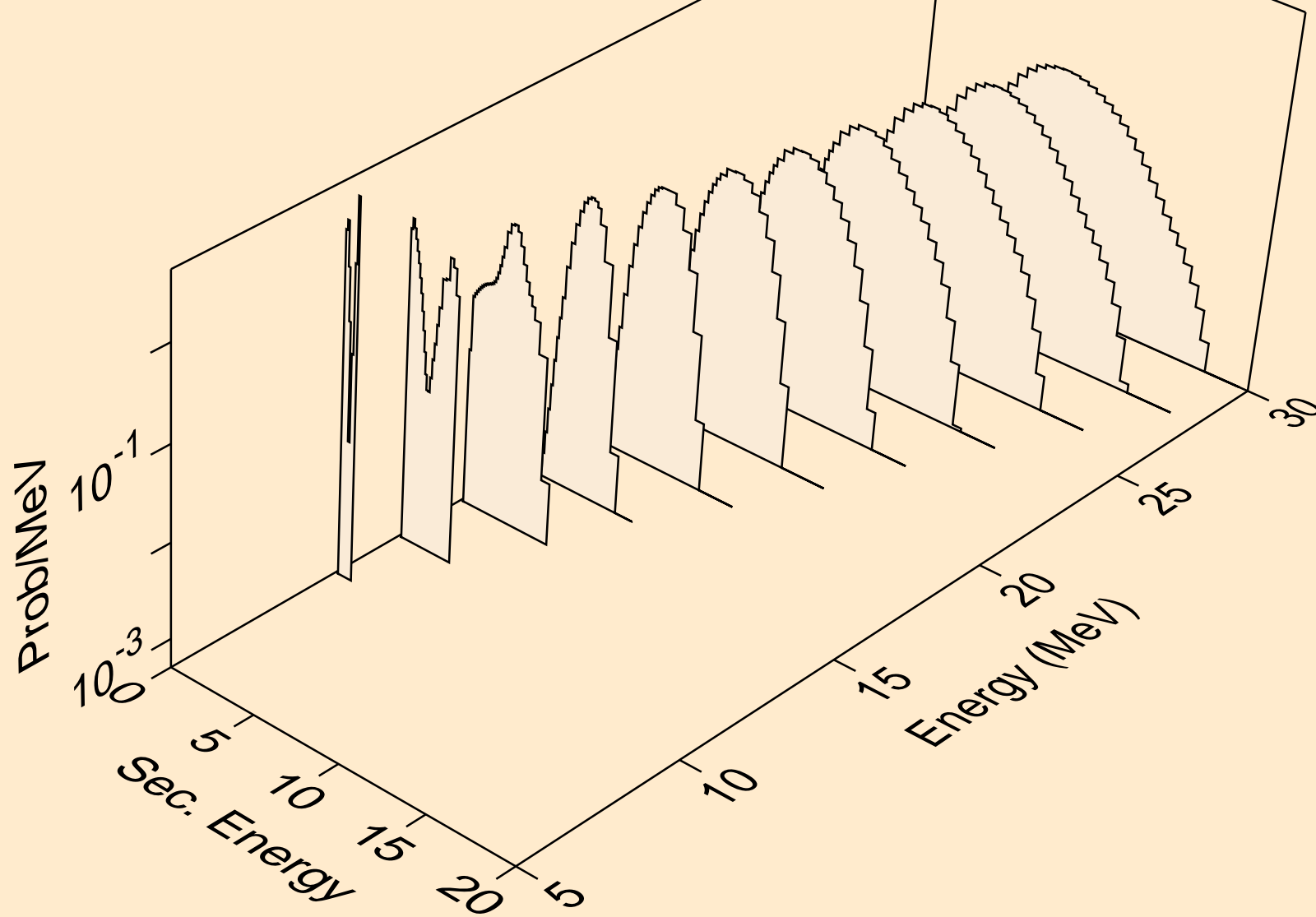
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,npa)



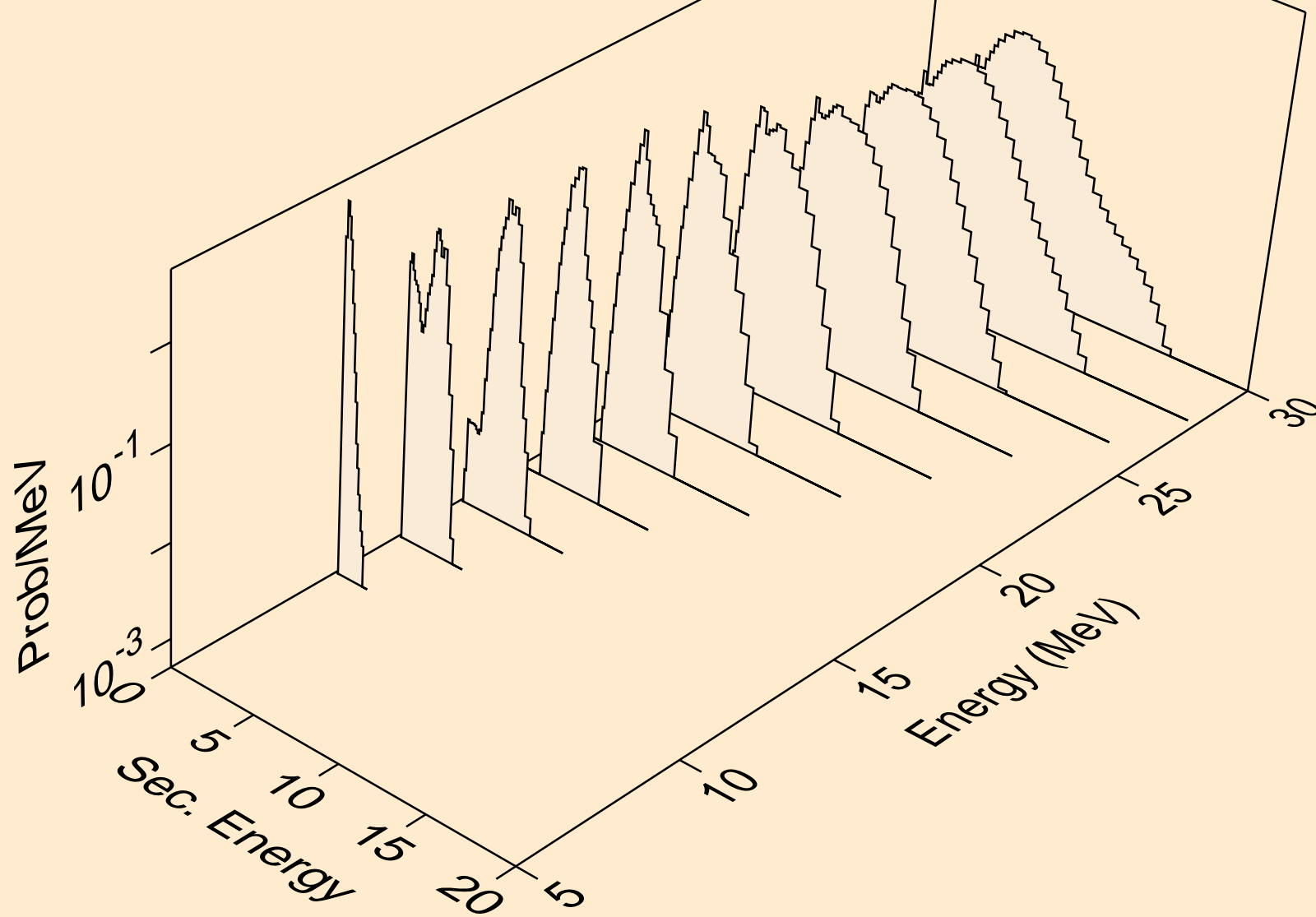
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for inelastic



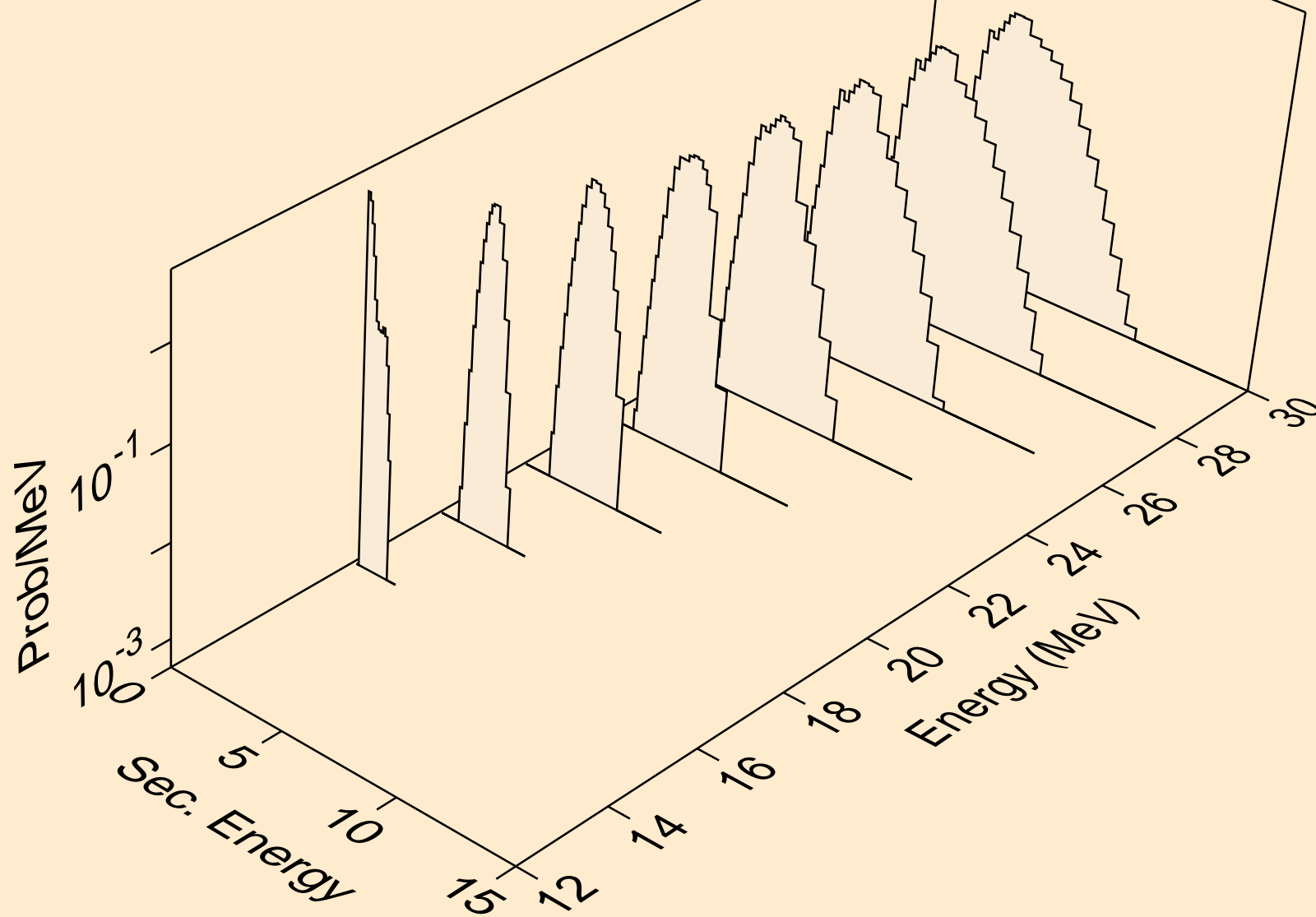
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2p)



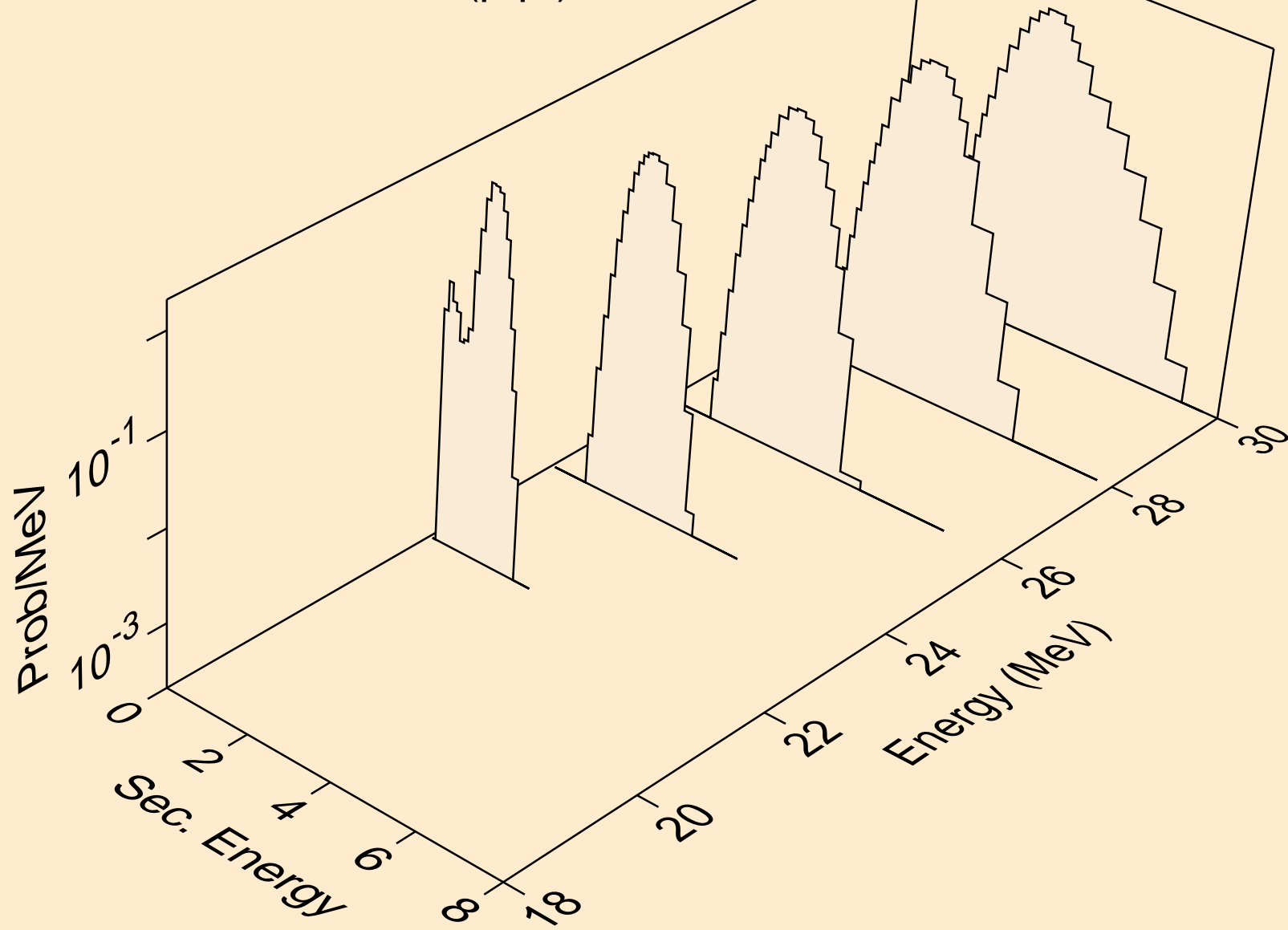
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pa)



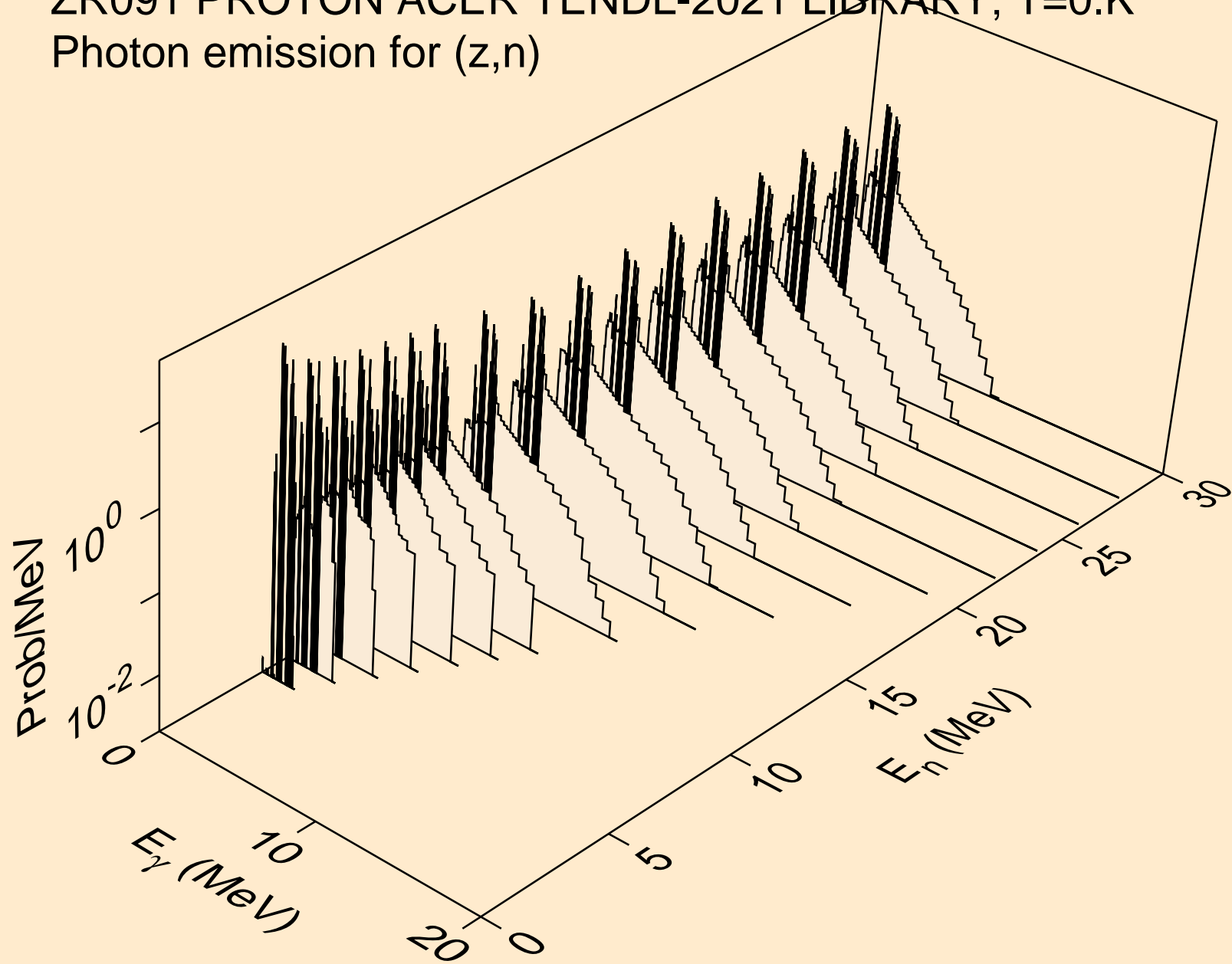
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pd)



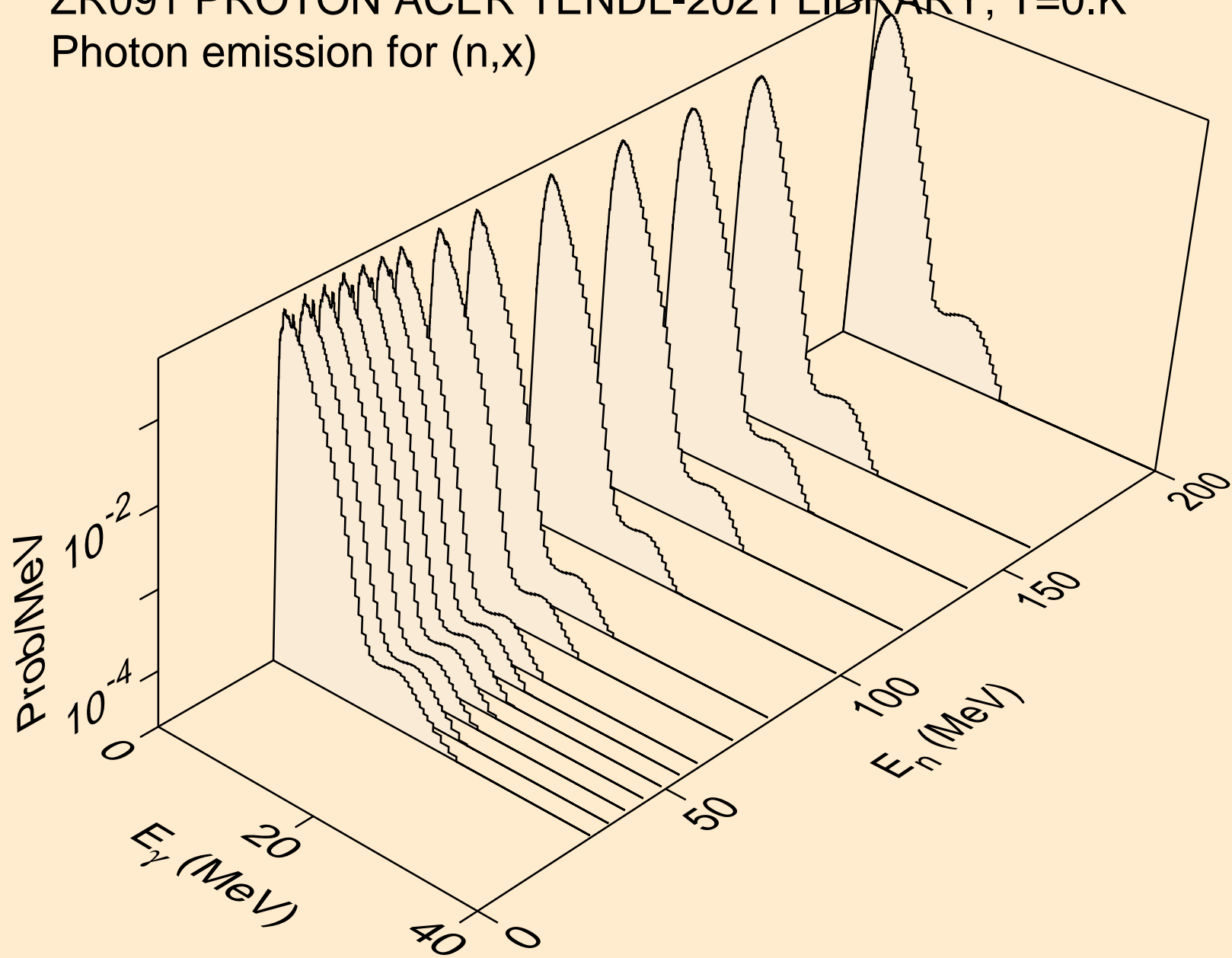
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pt)



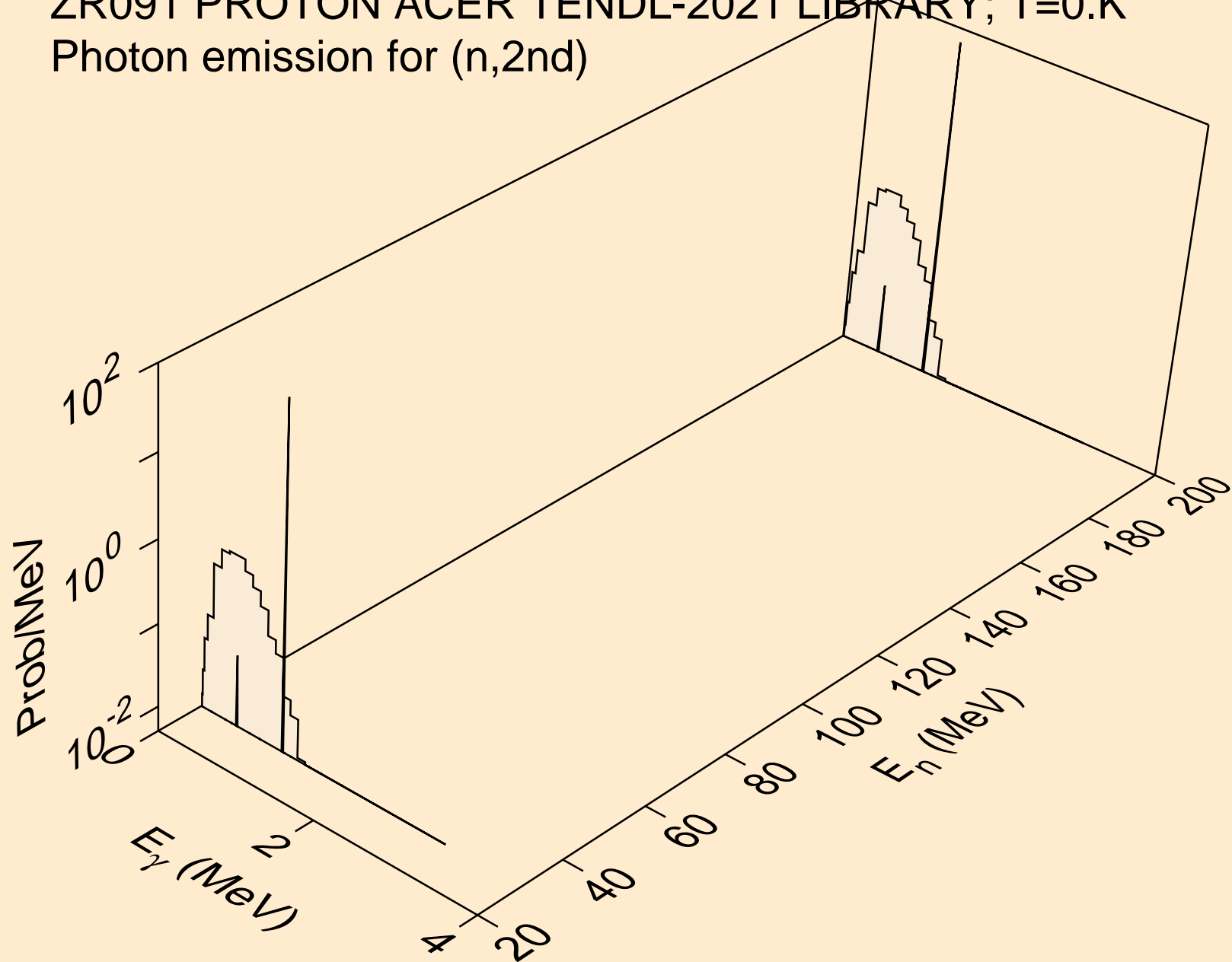
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



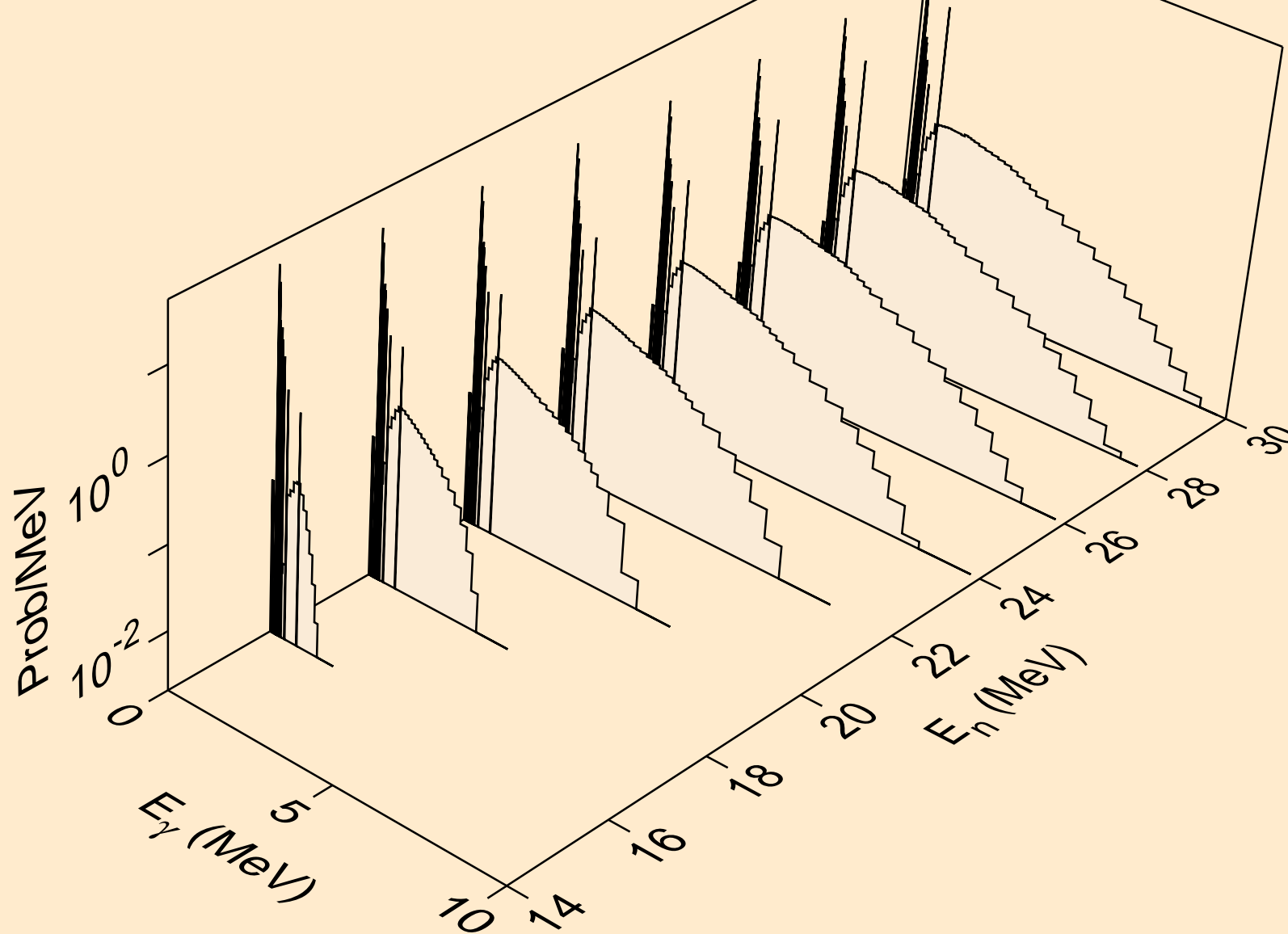
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



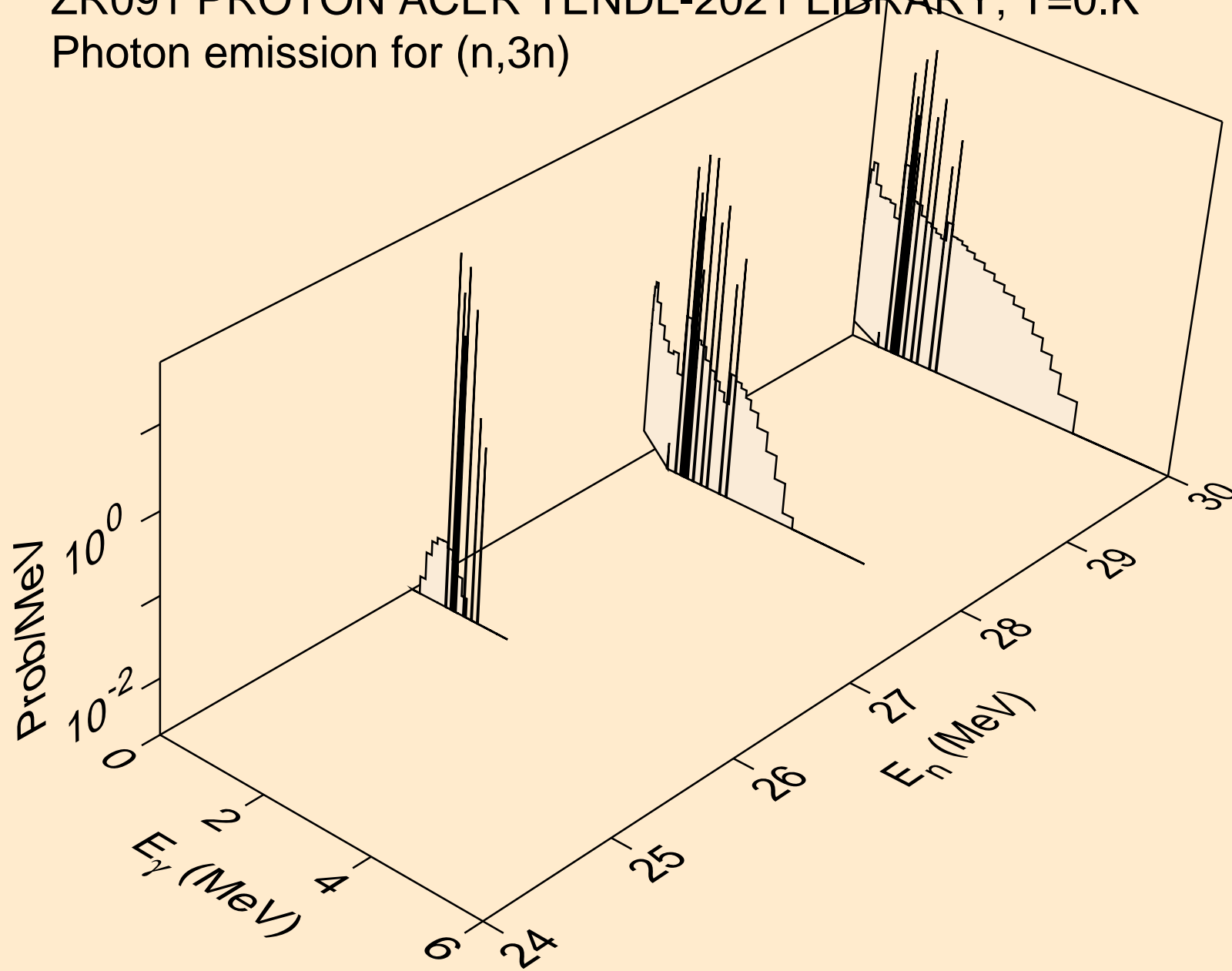
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)



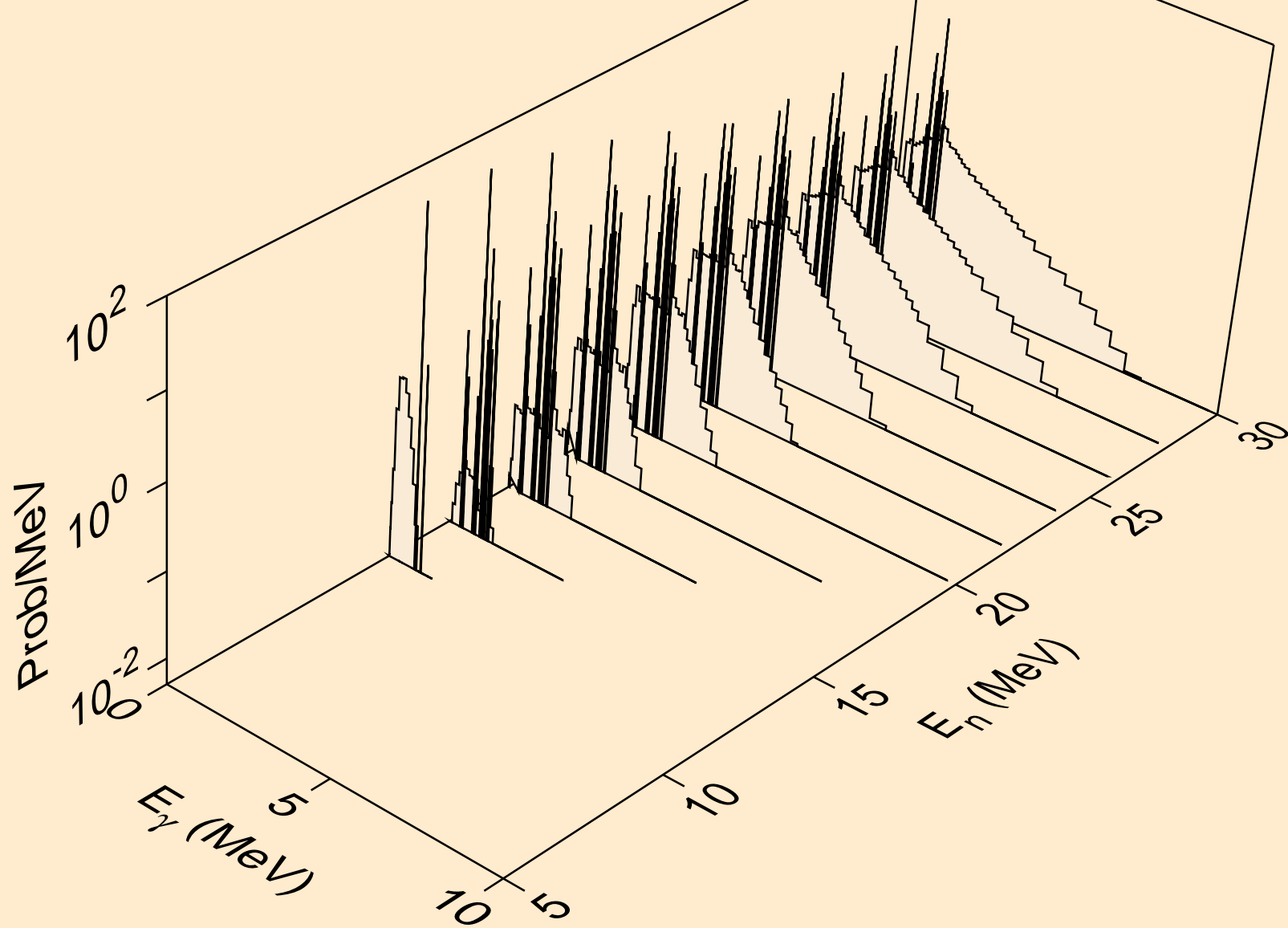
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)



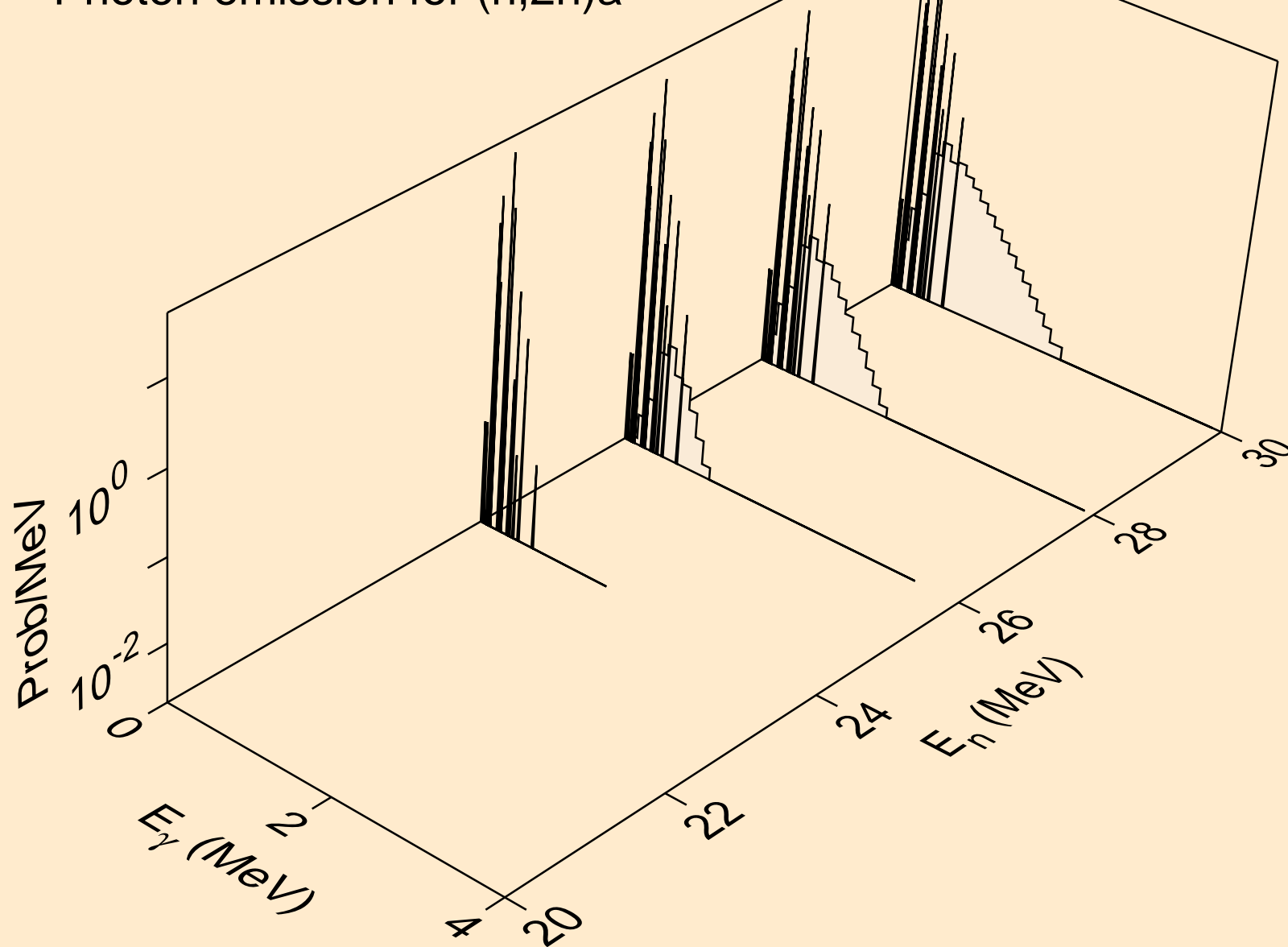
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)



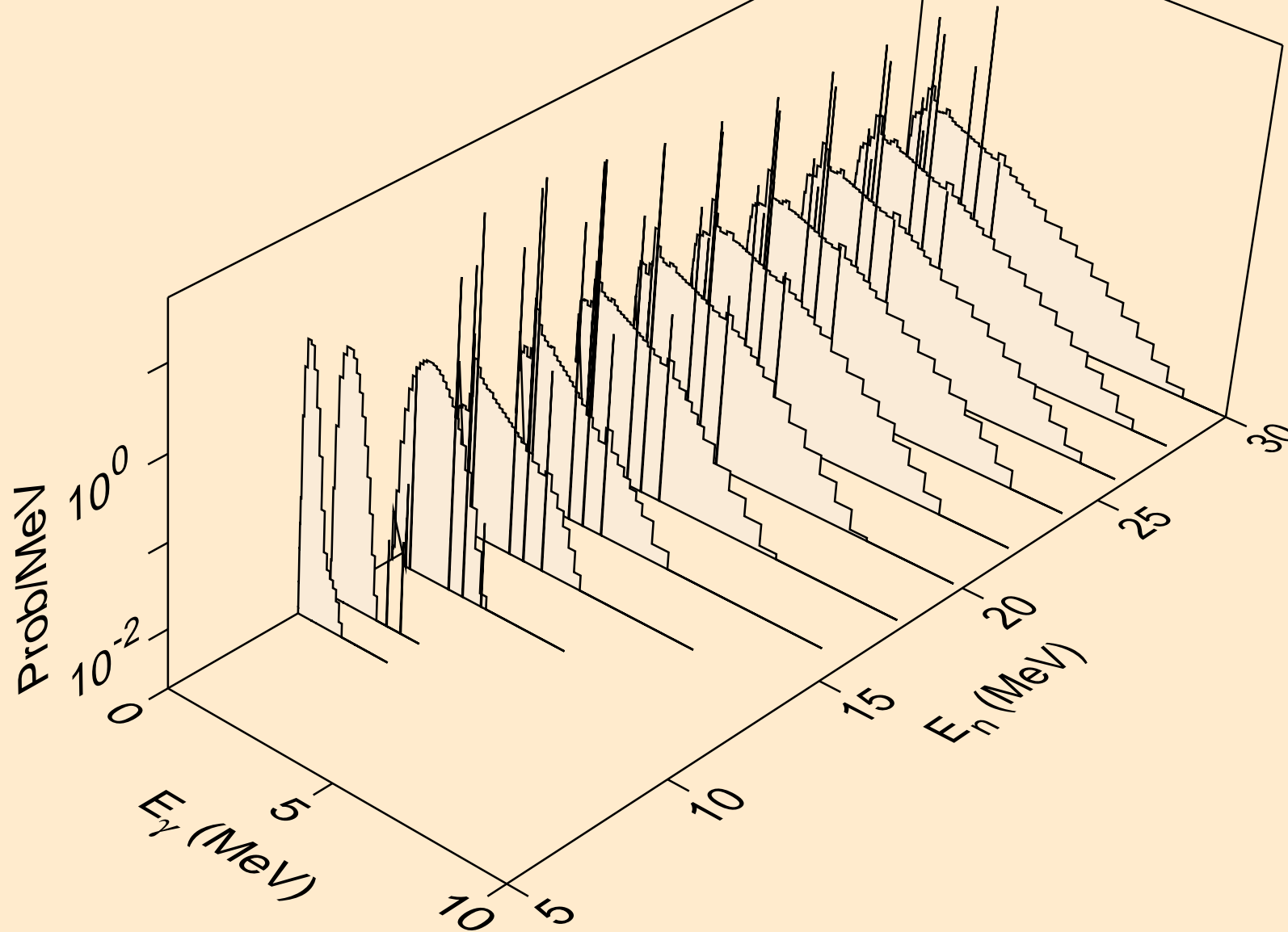
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



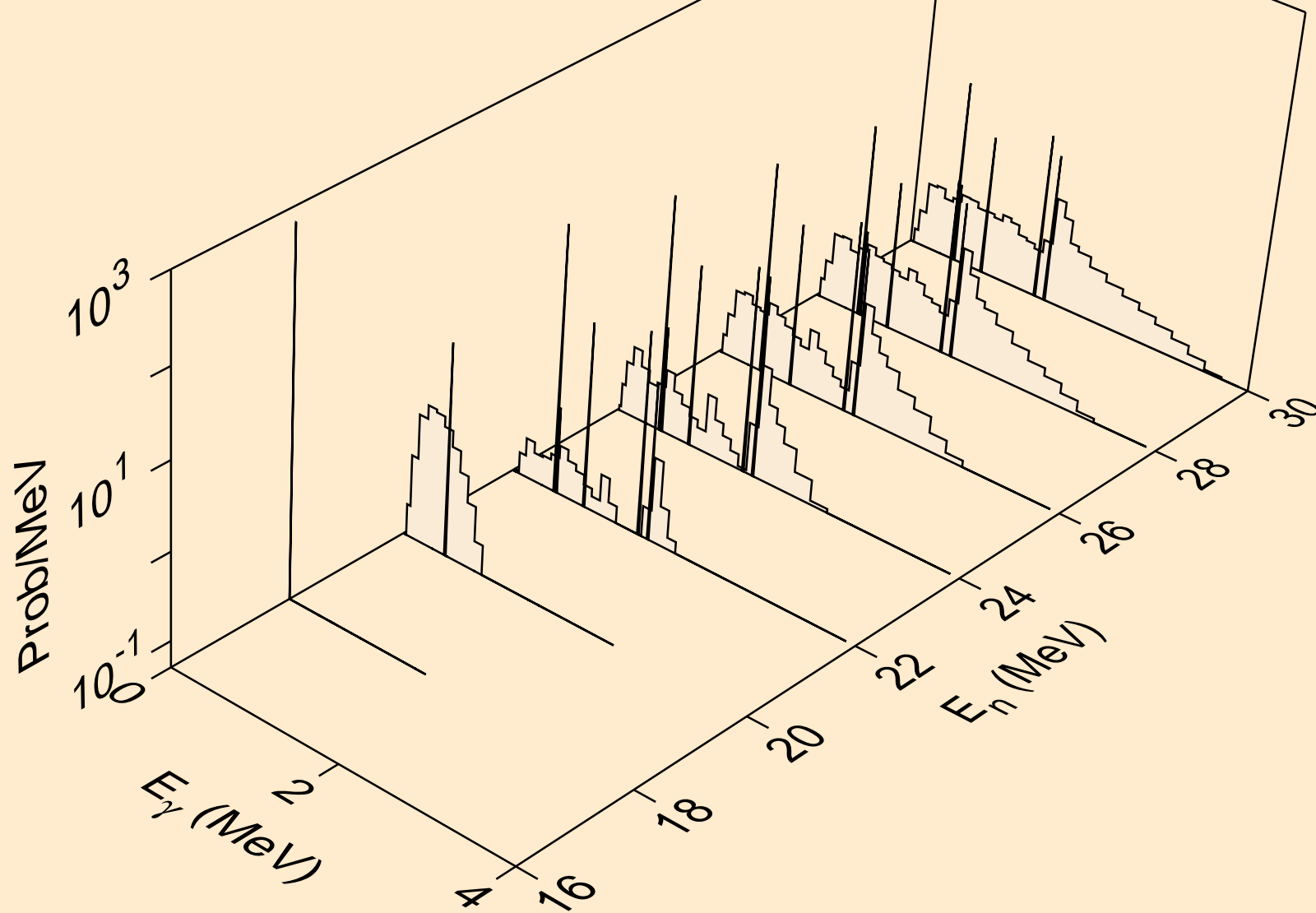
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)a



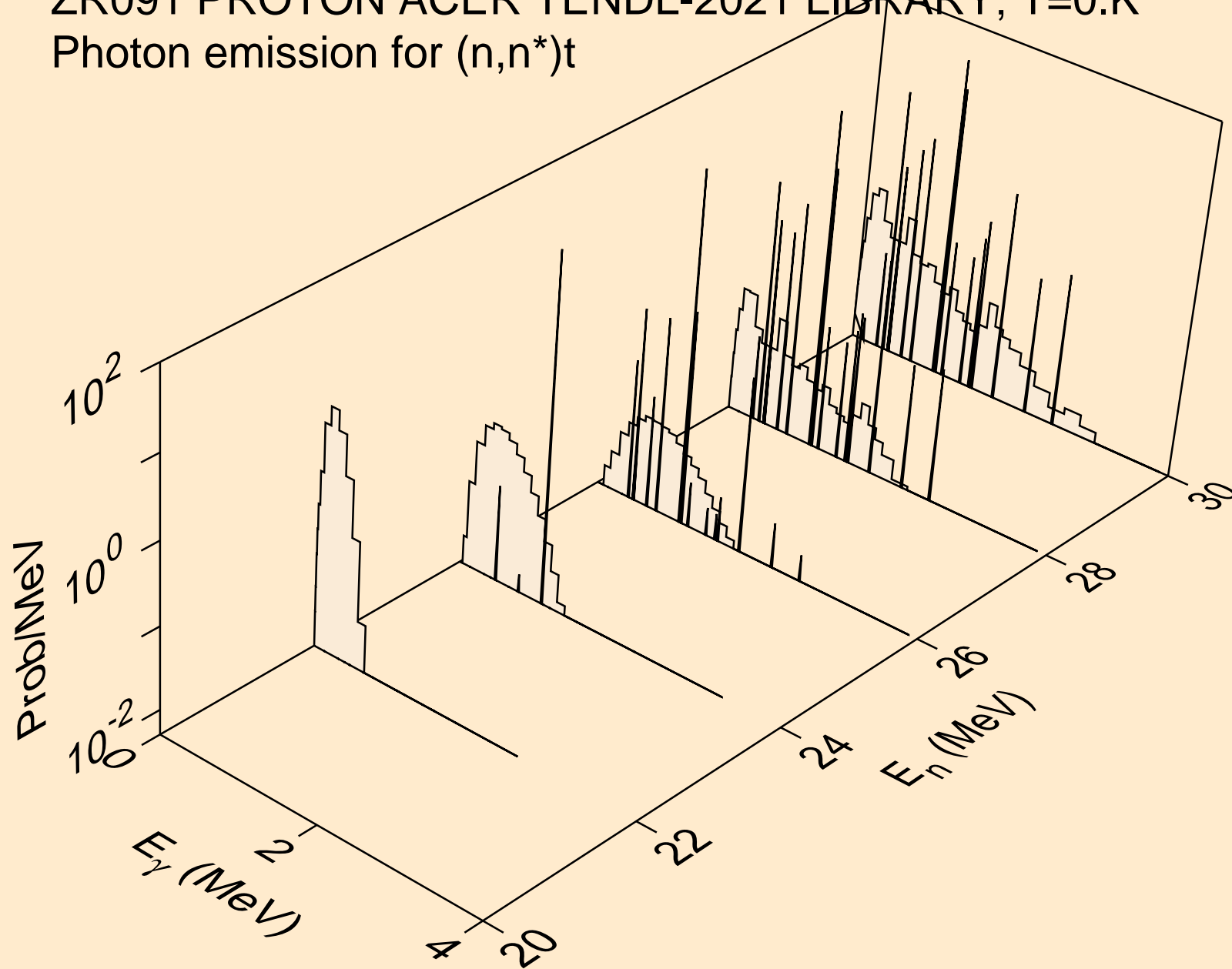
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



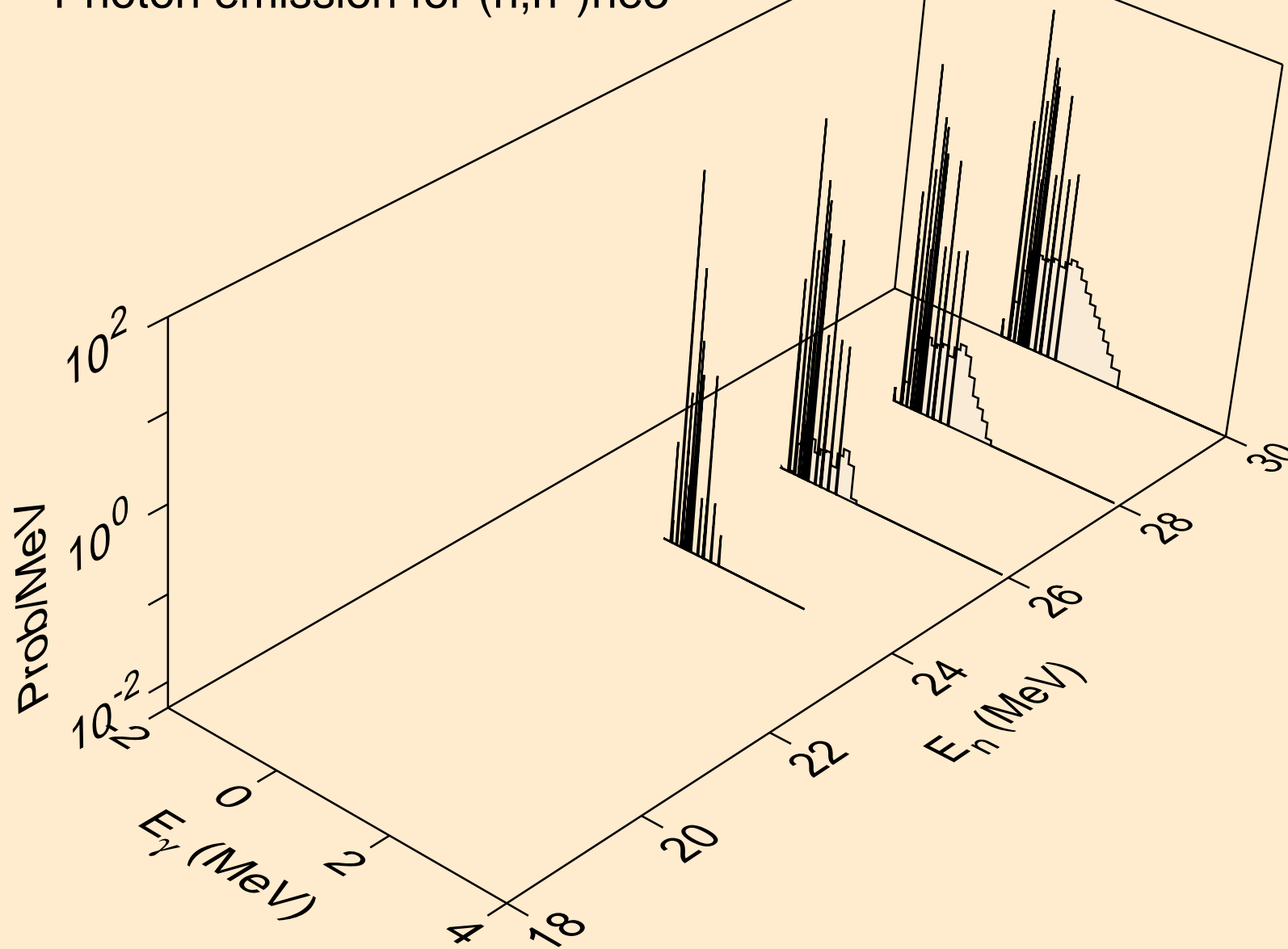
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



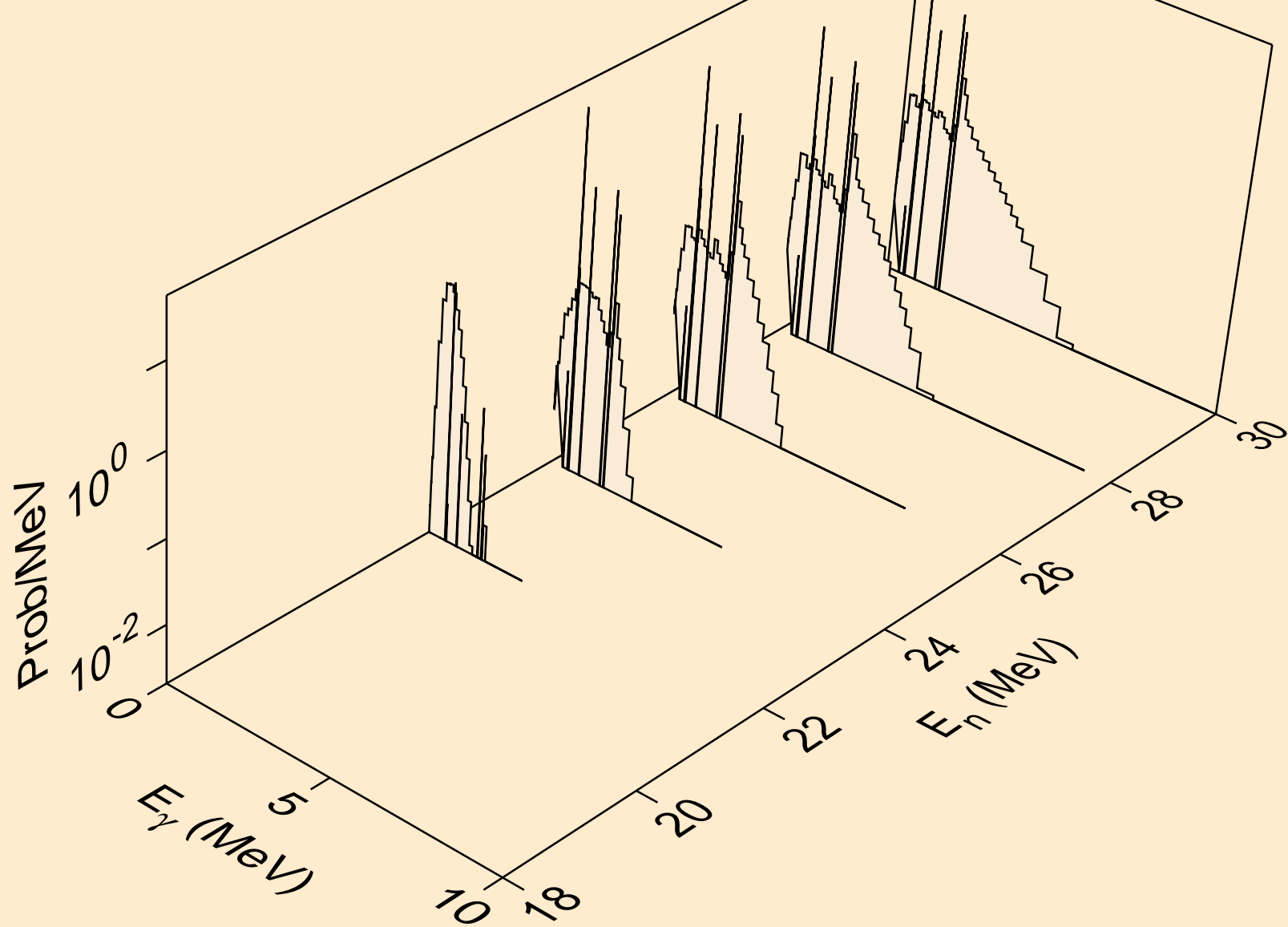
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



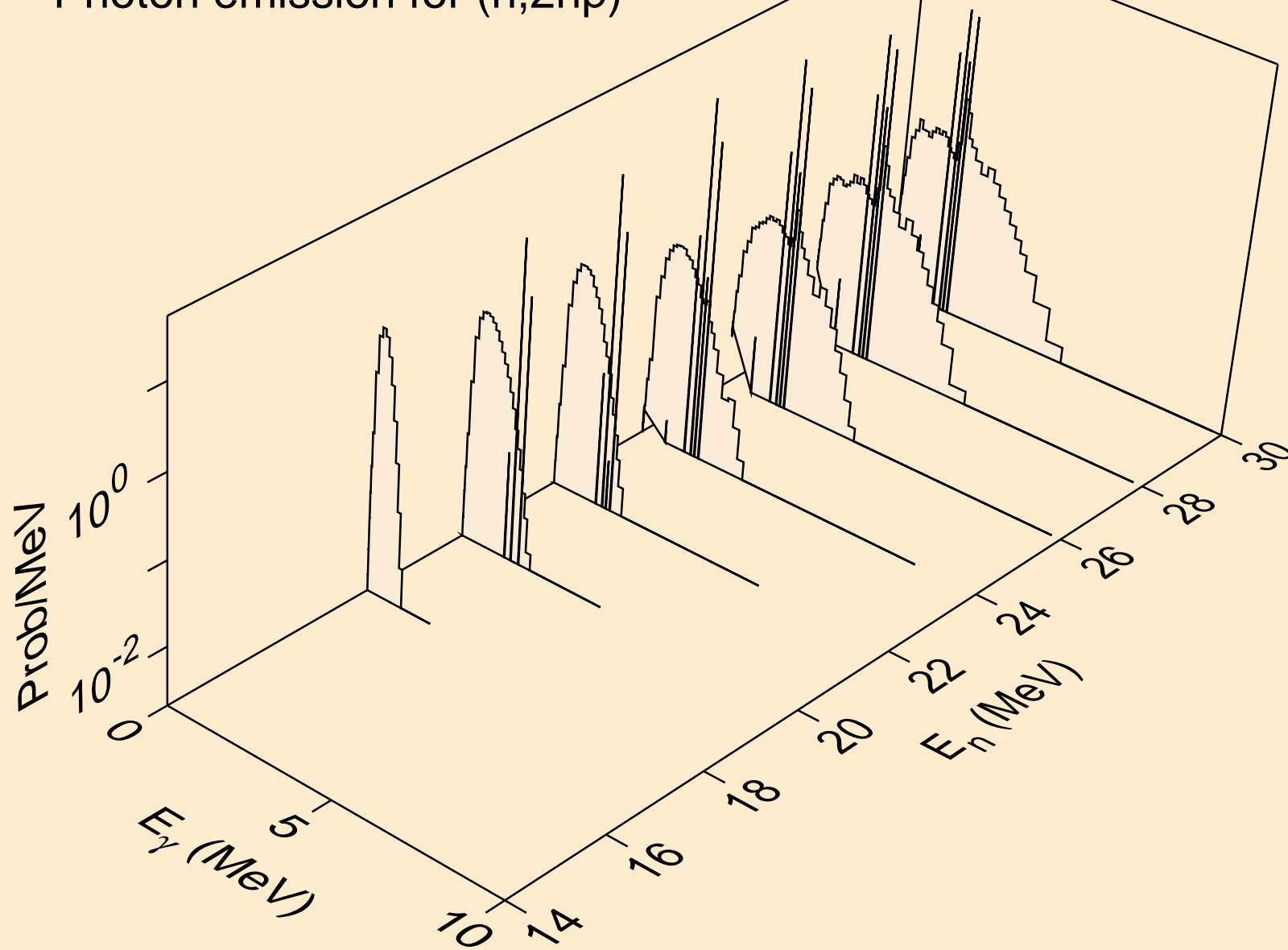
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



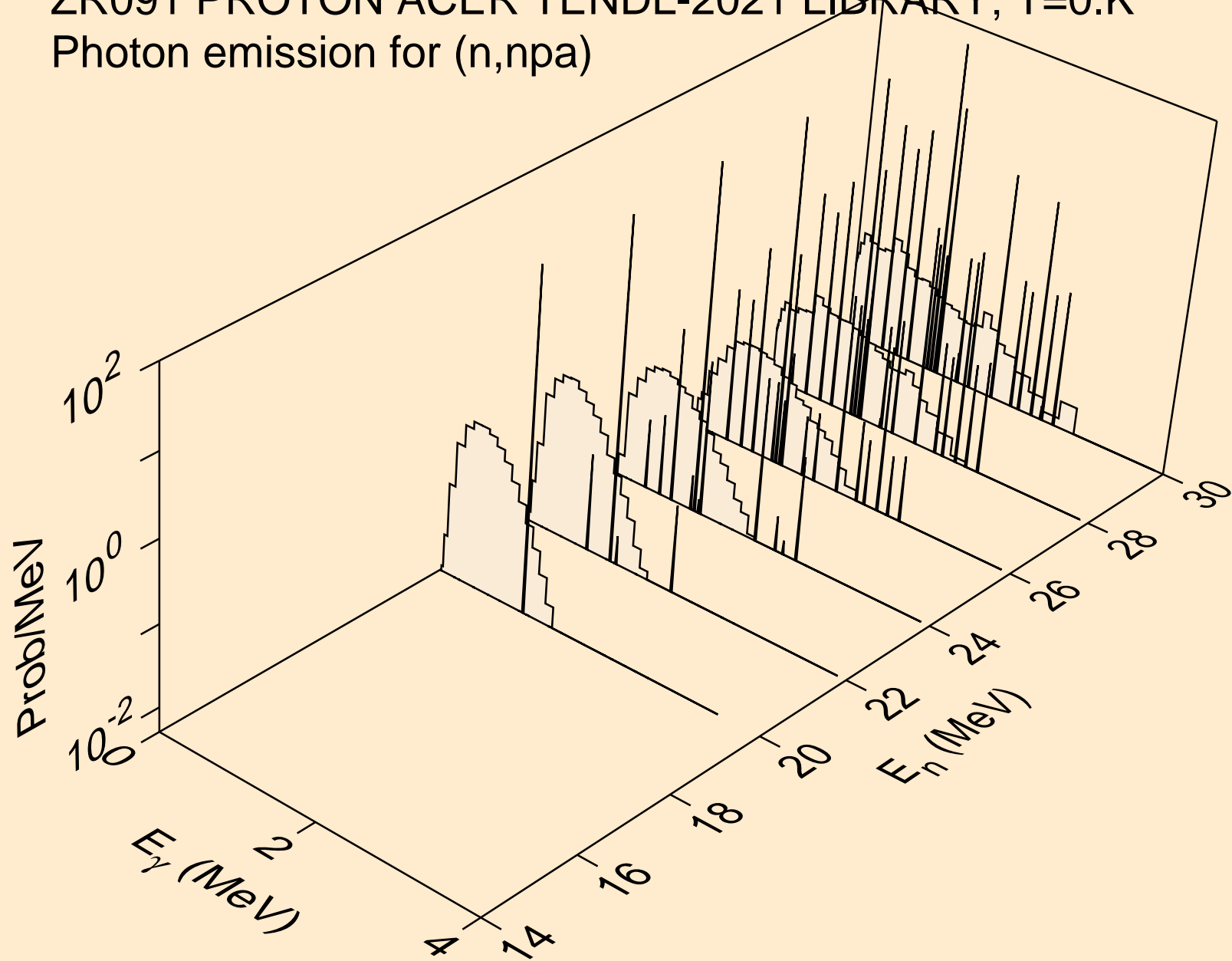
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



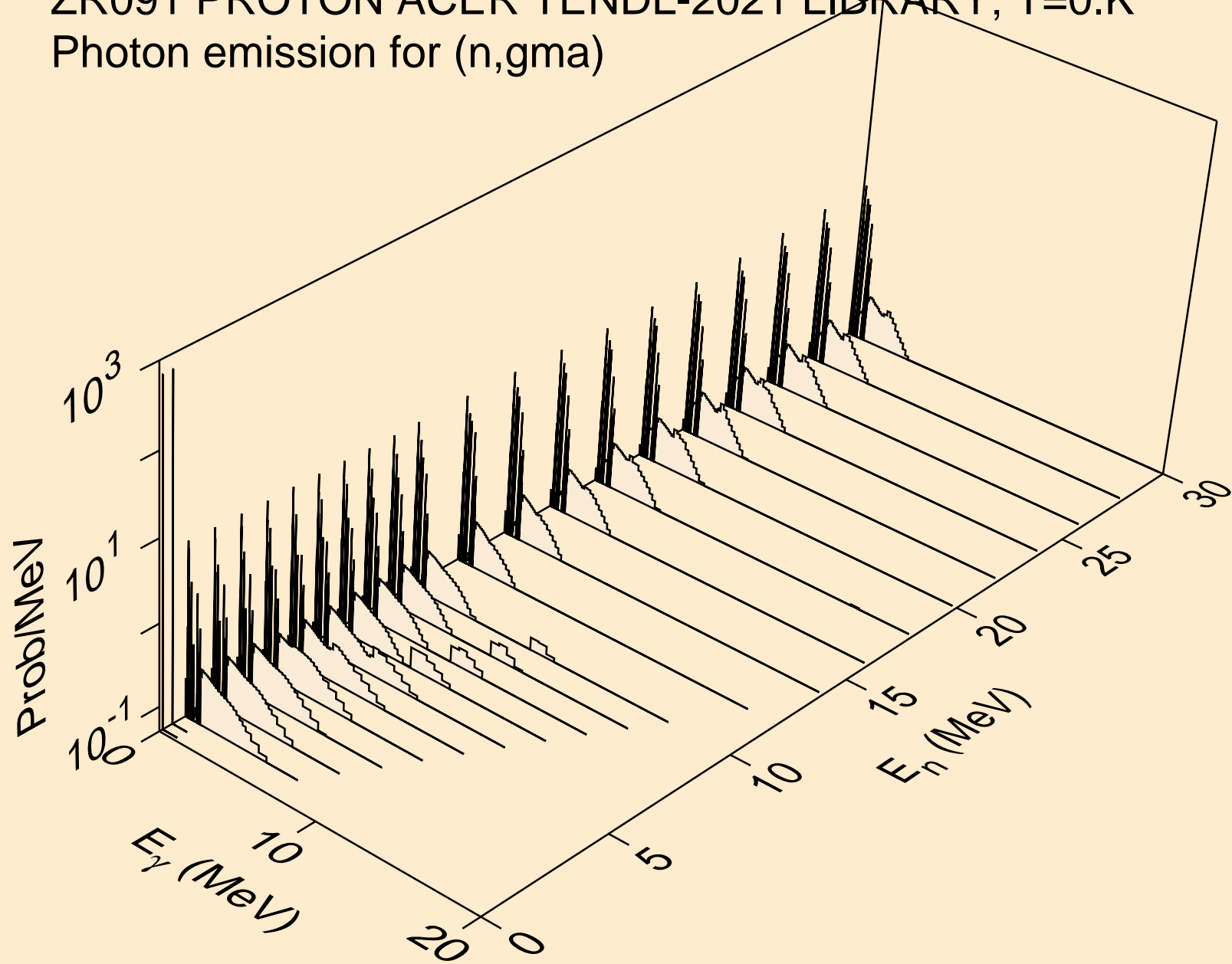
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



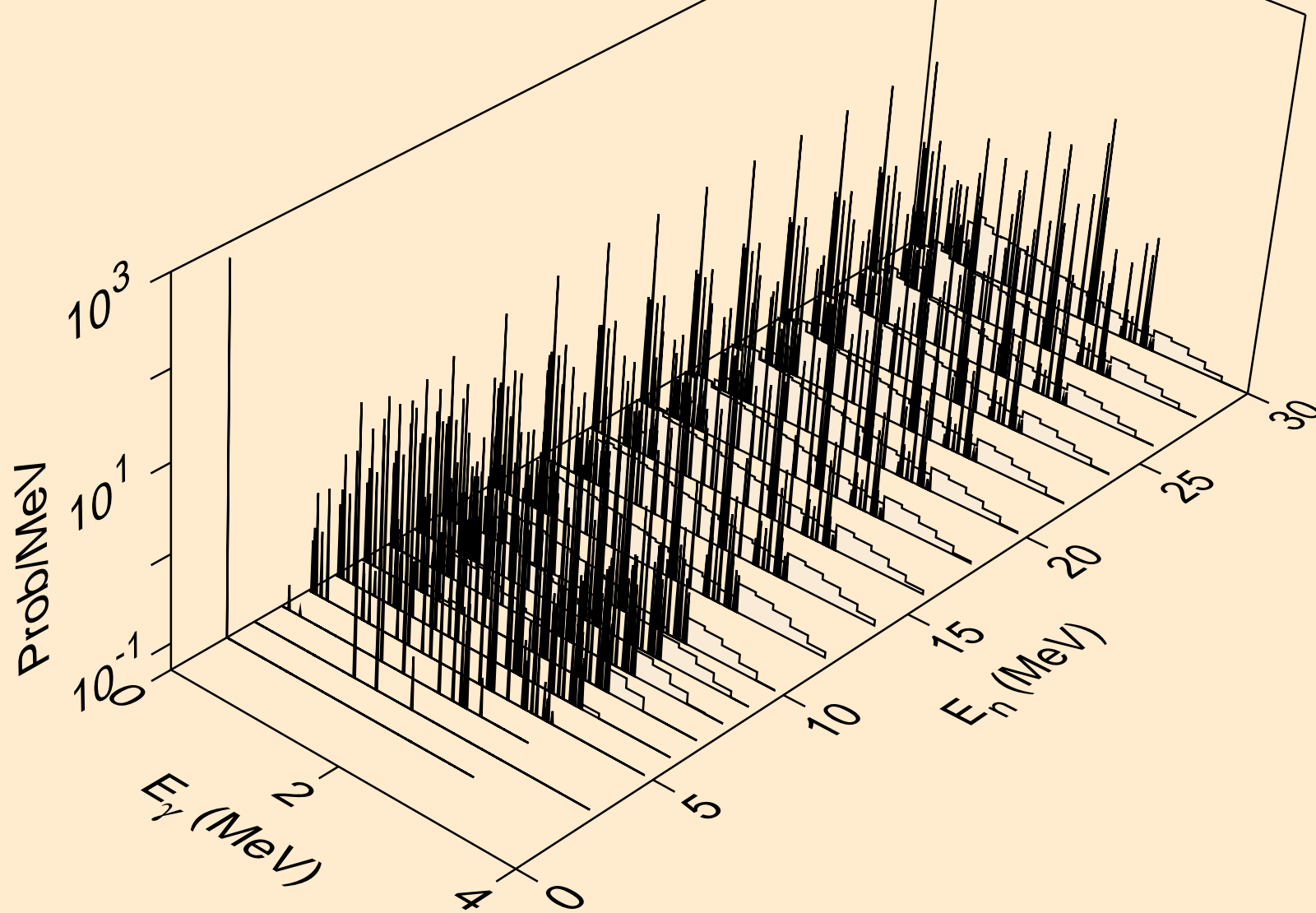
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,npa)



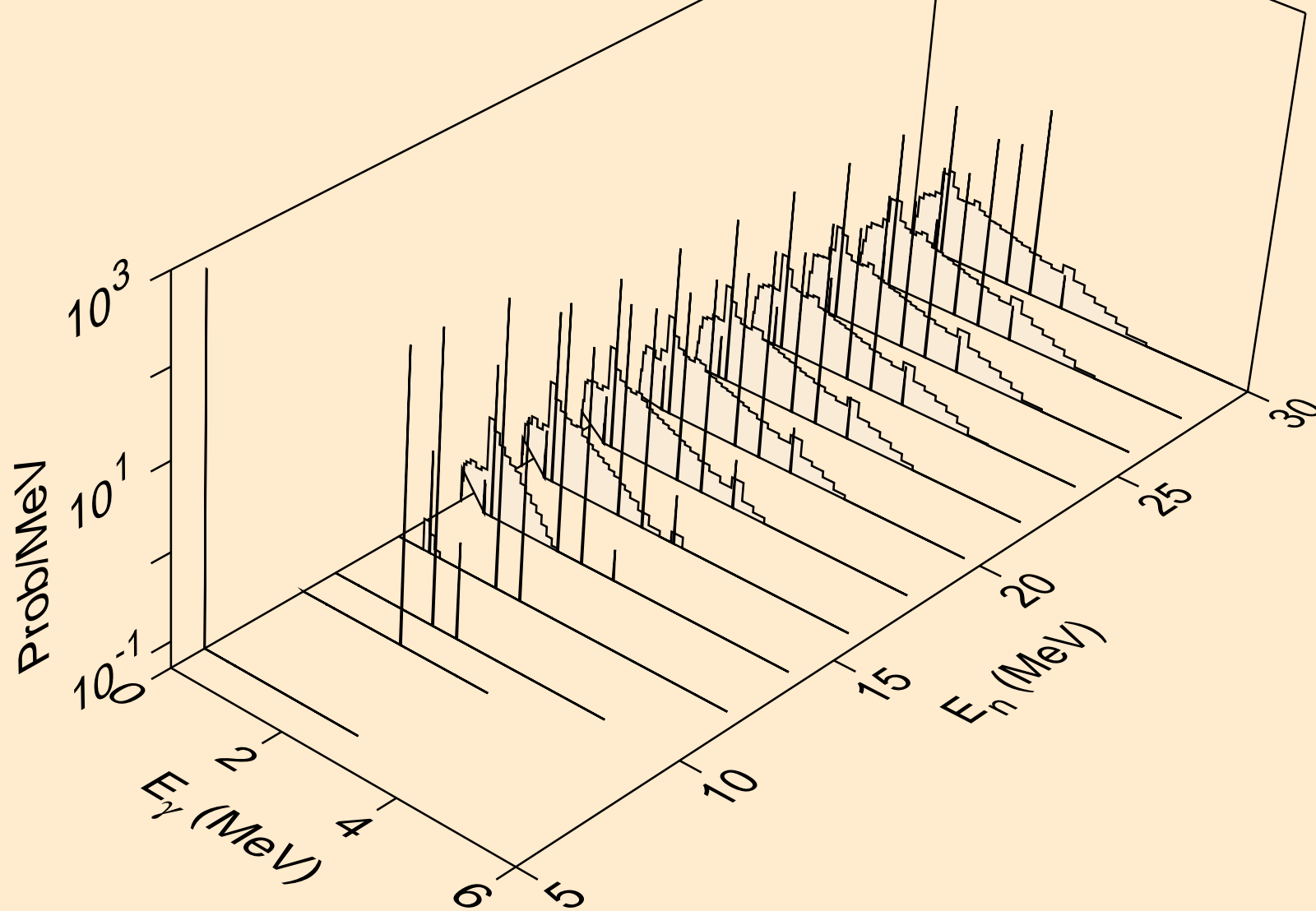
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,gma)



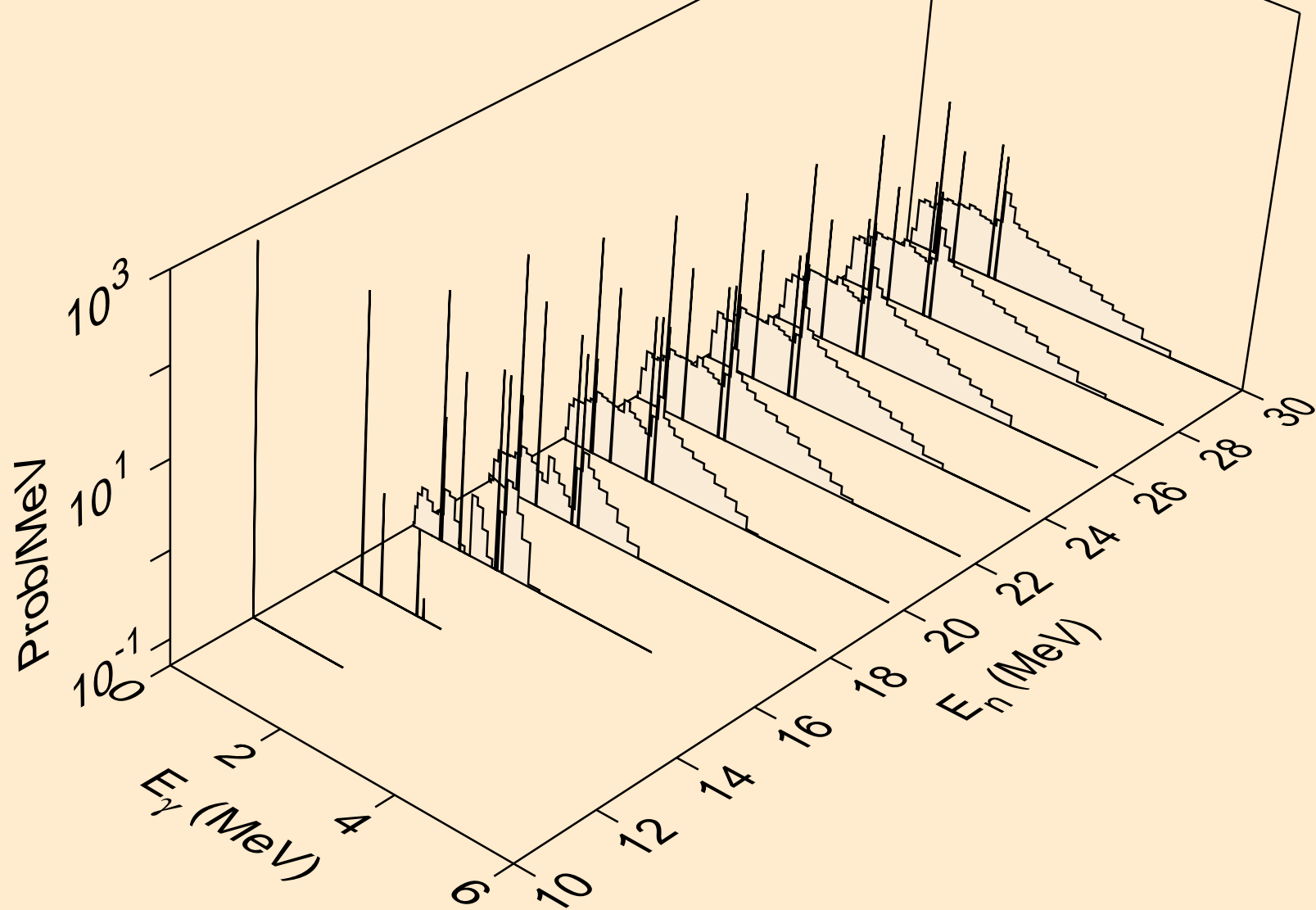
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



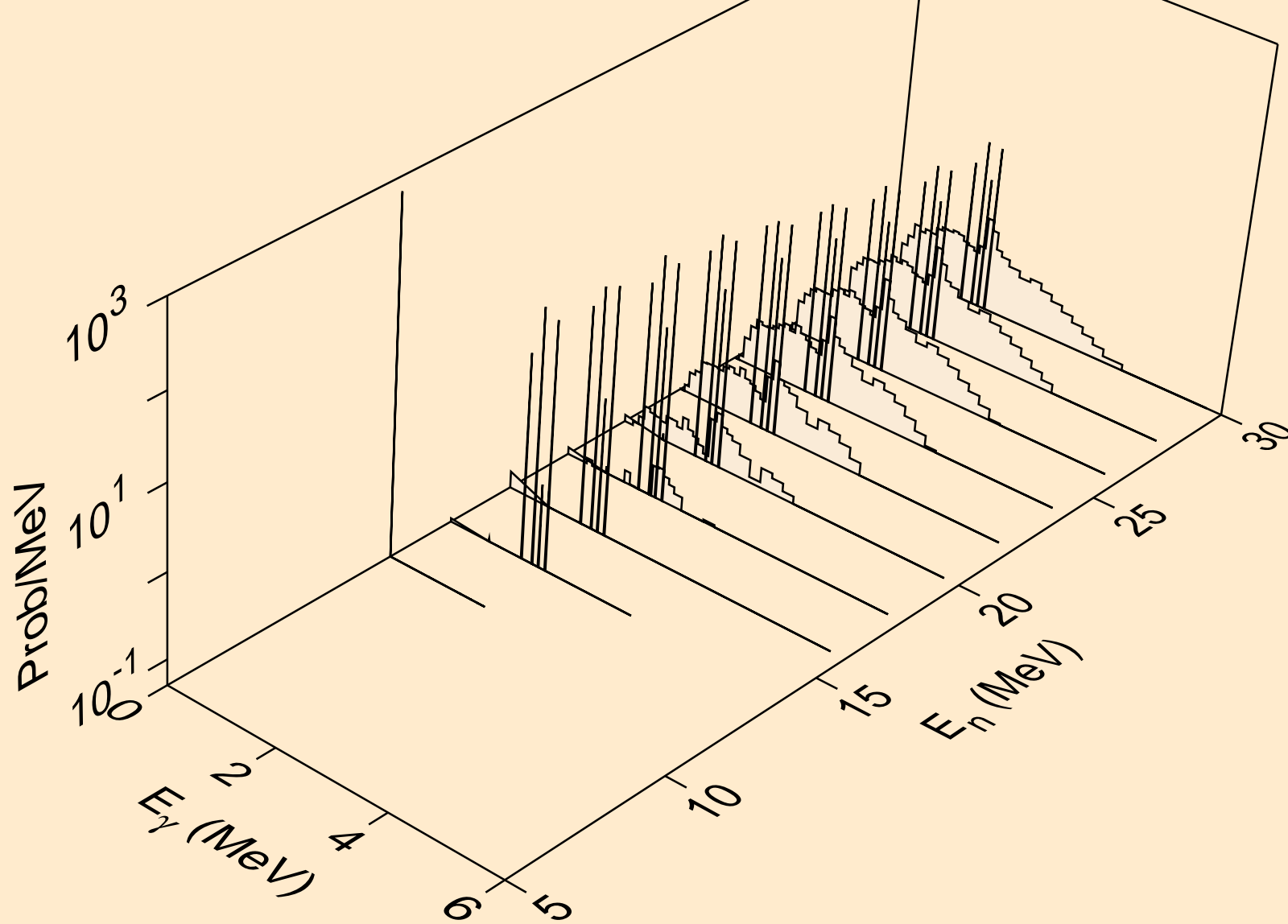
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,d)



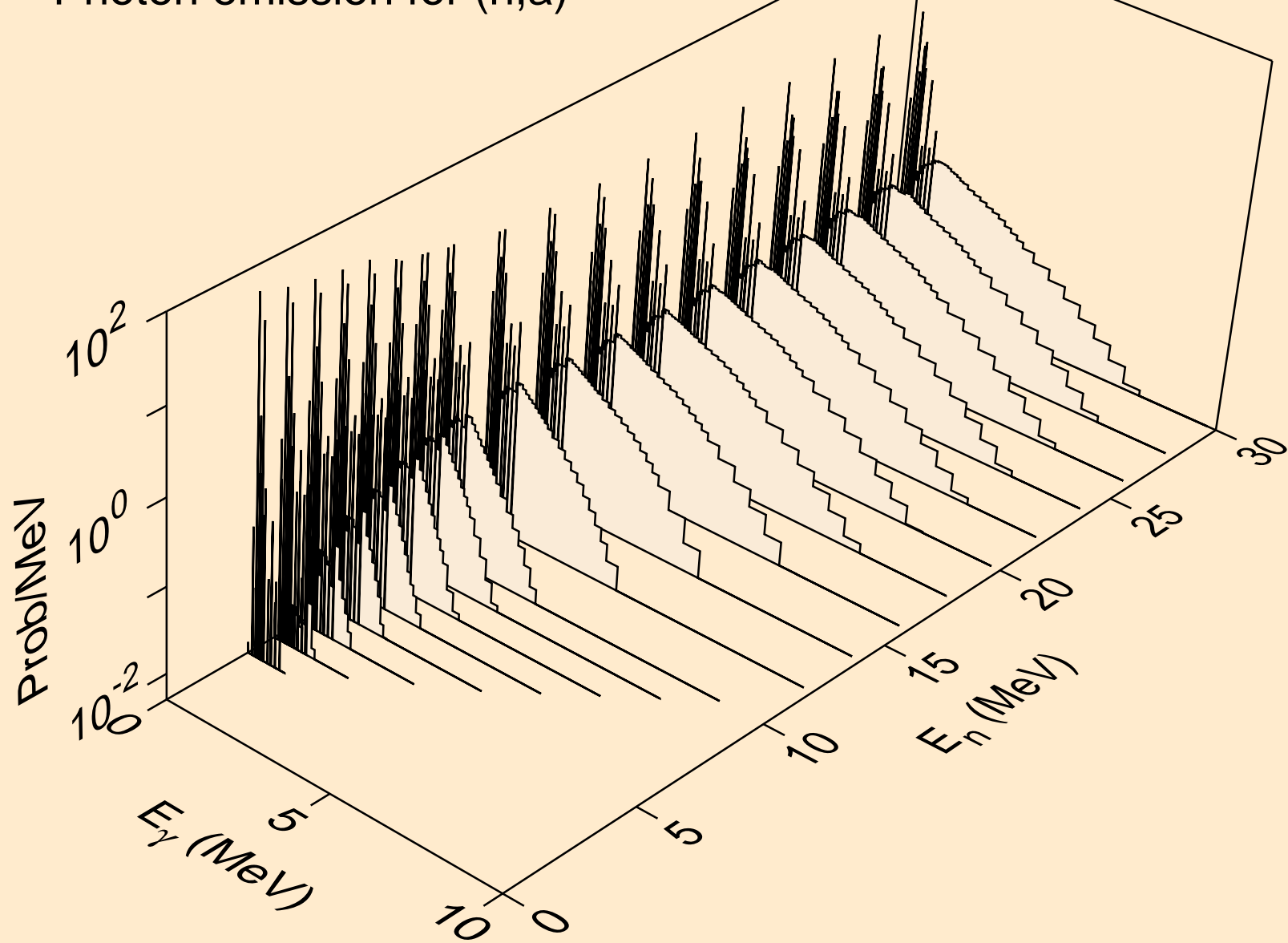
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,t)



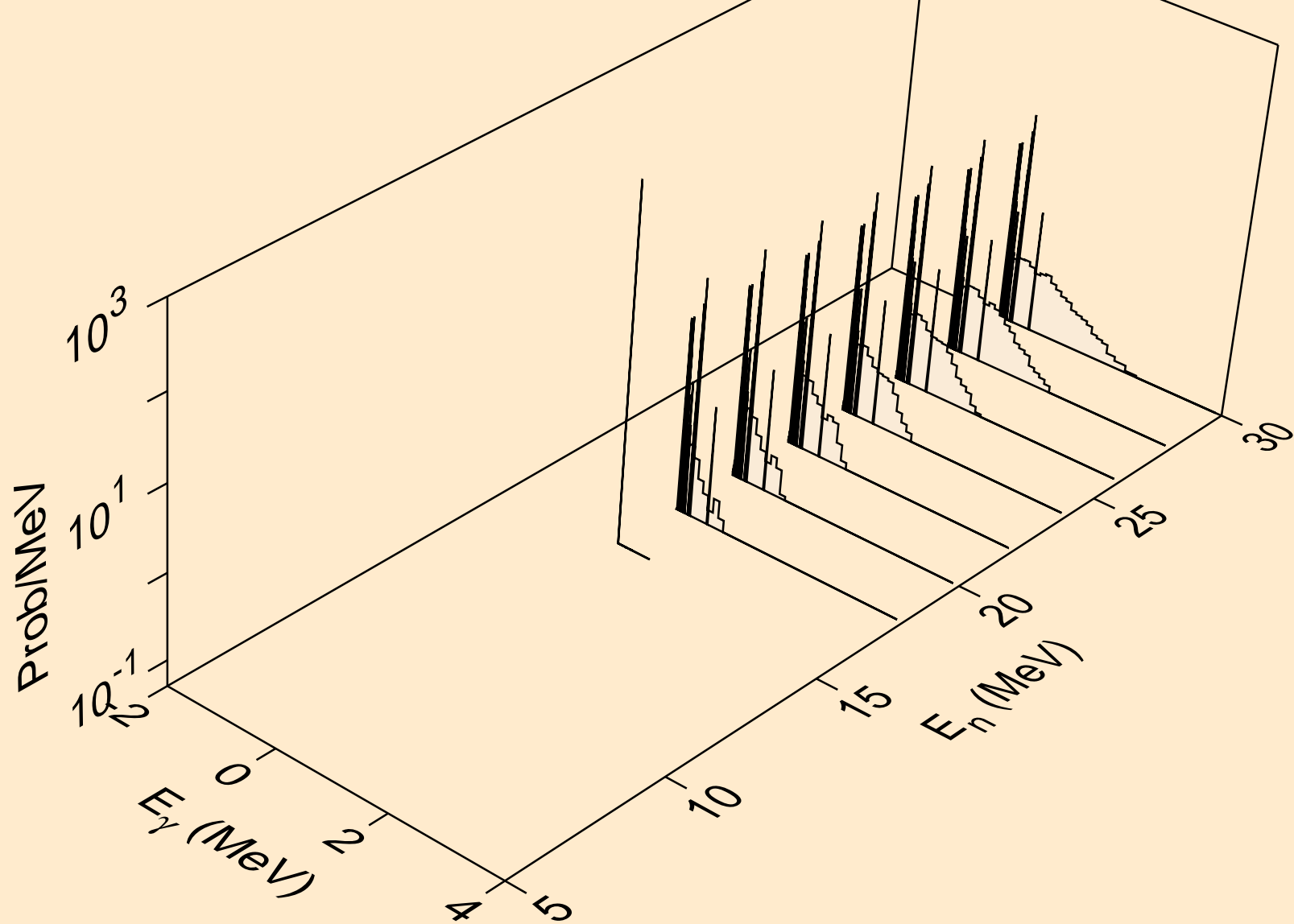
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,he3)



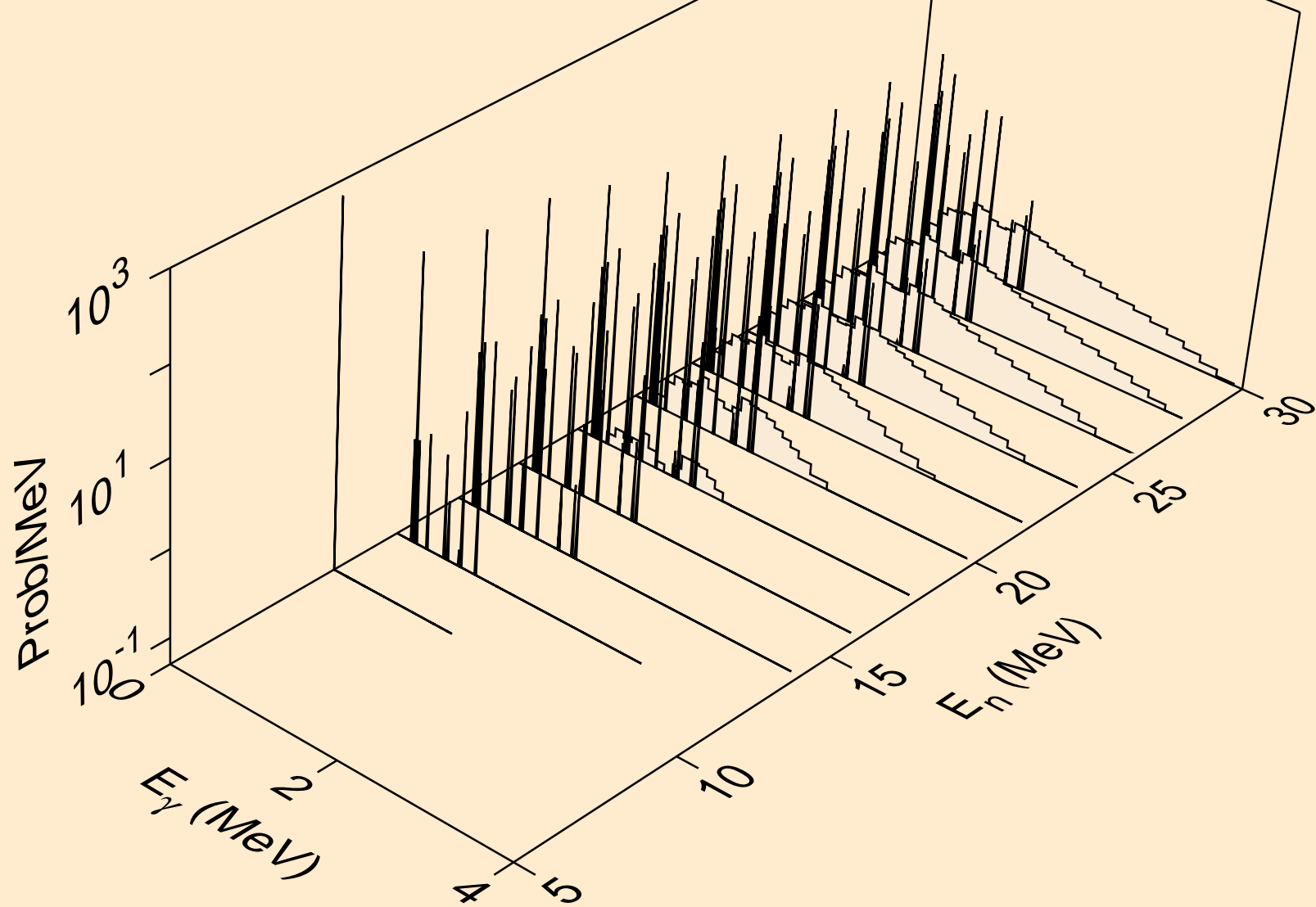
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,a)



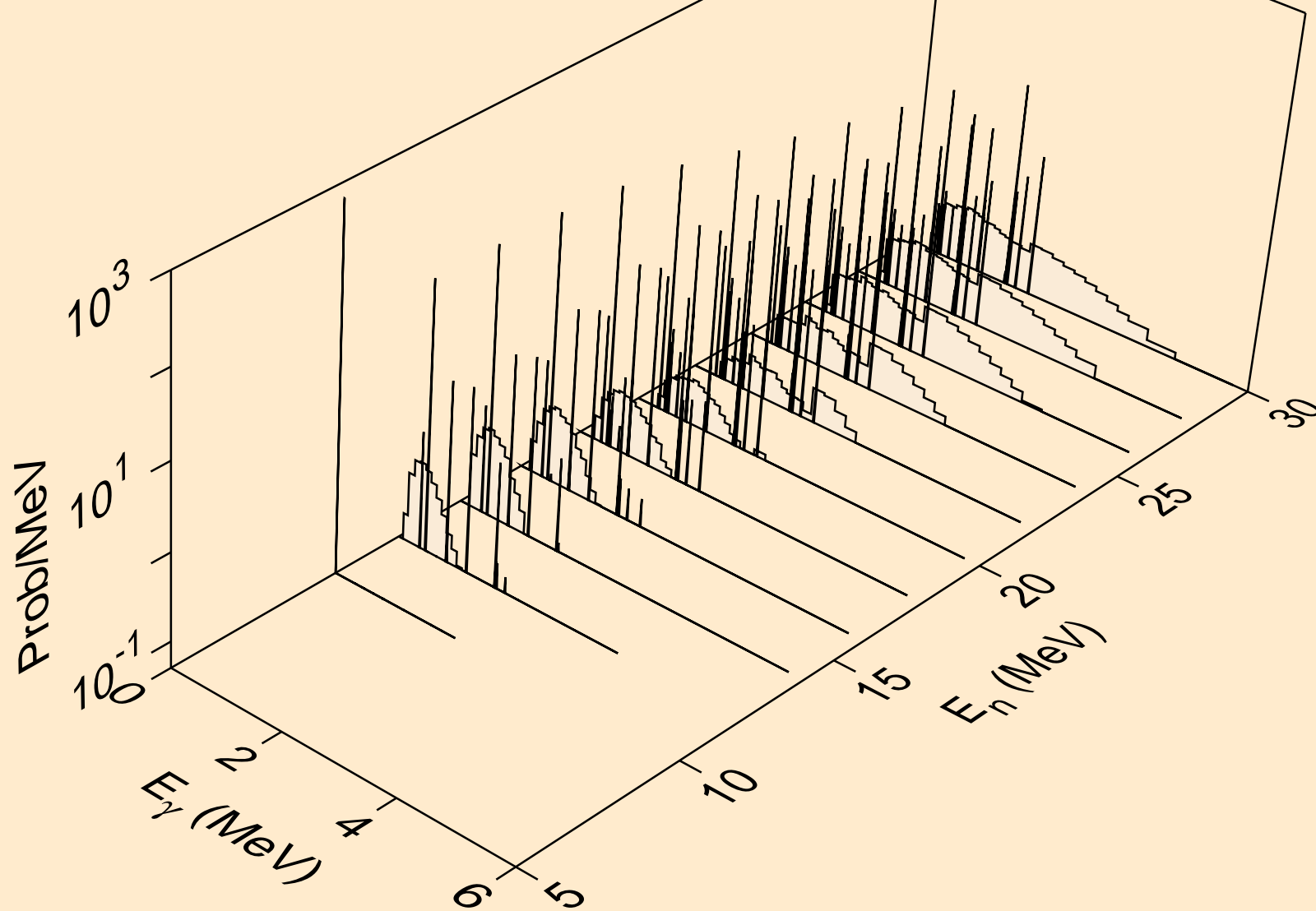
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2a)



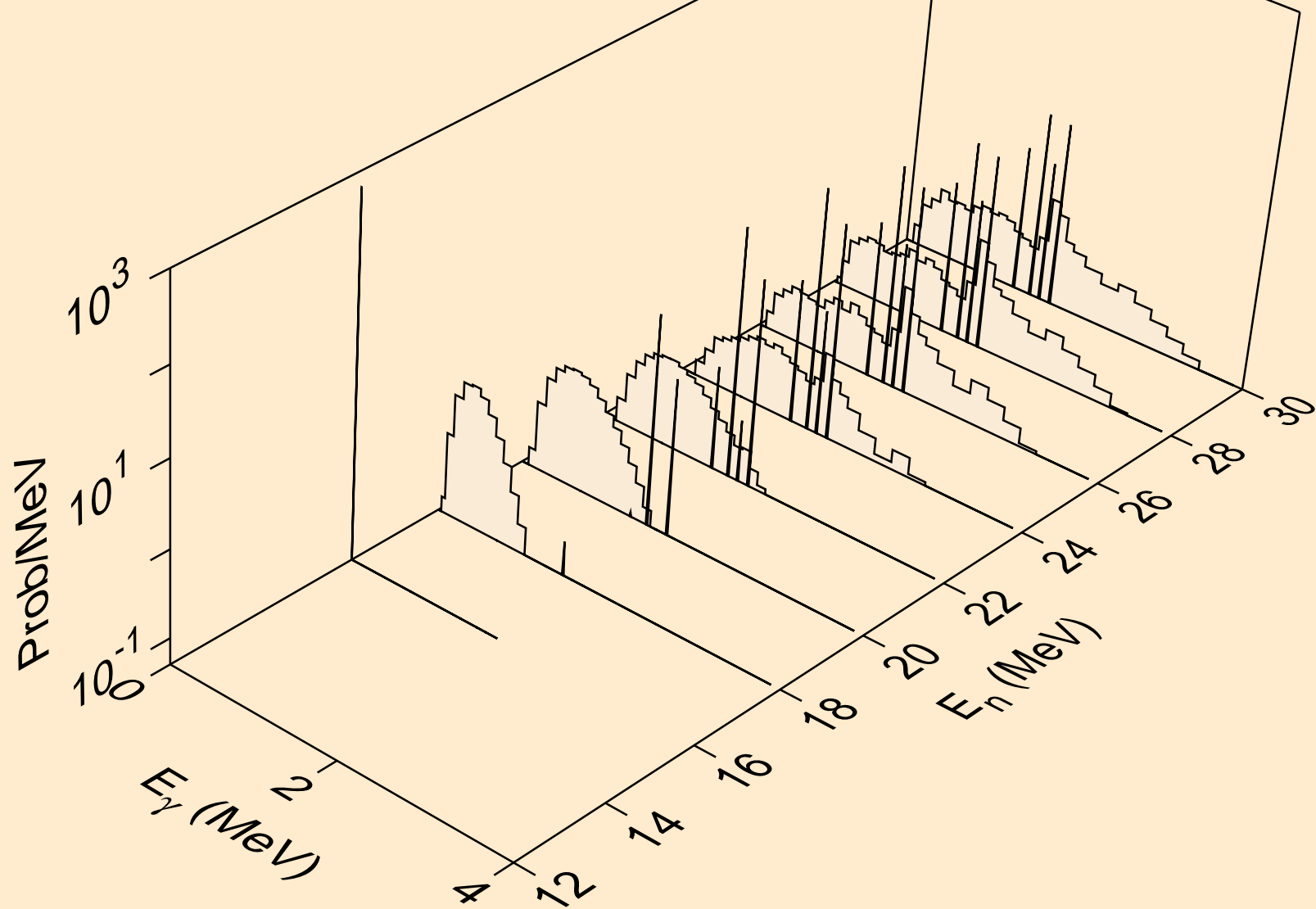
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)



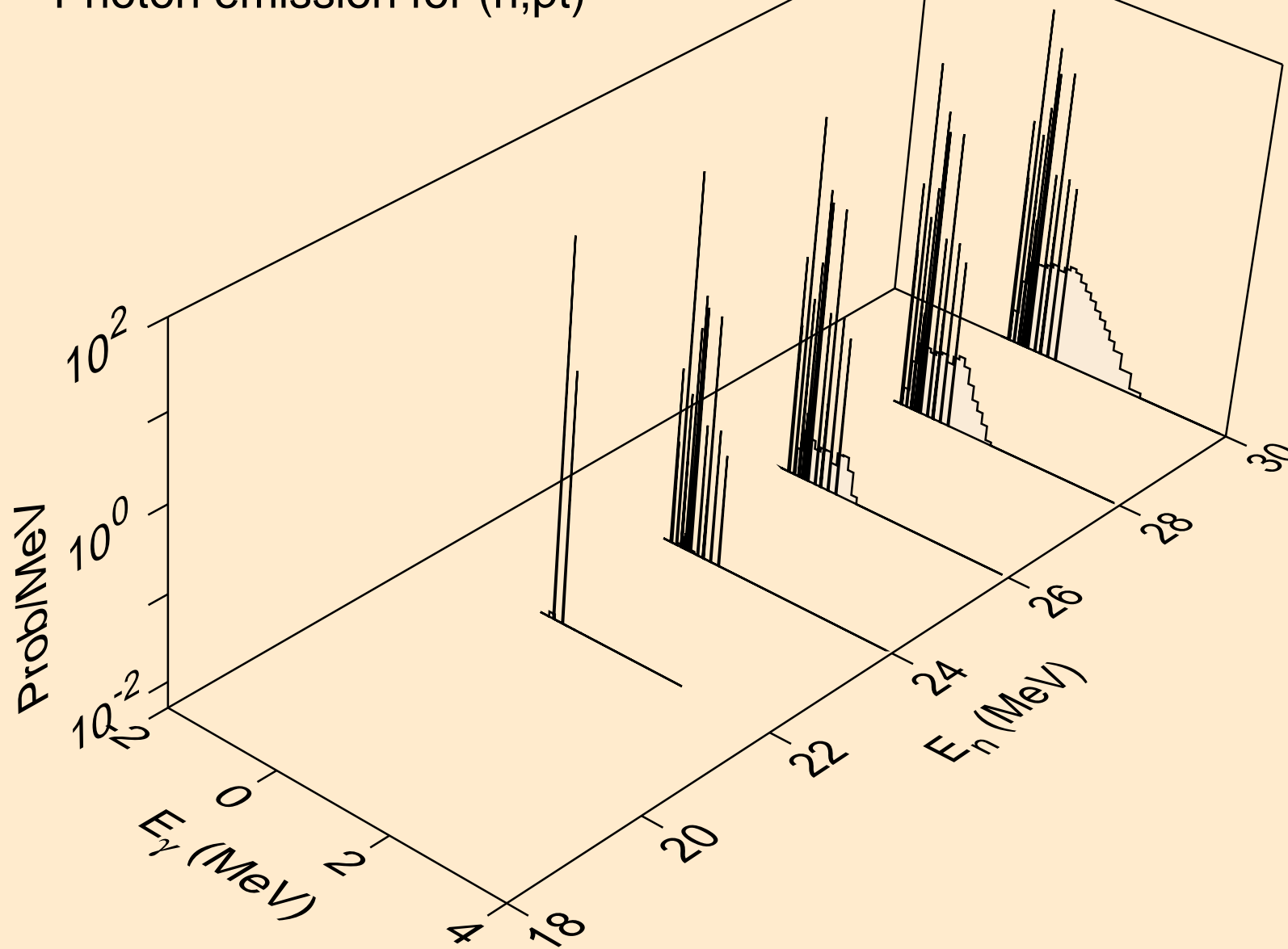
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pa)



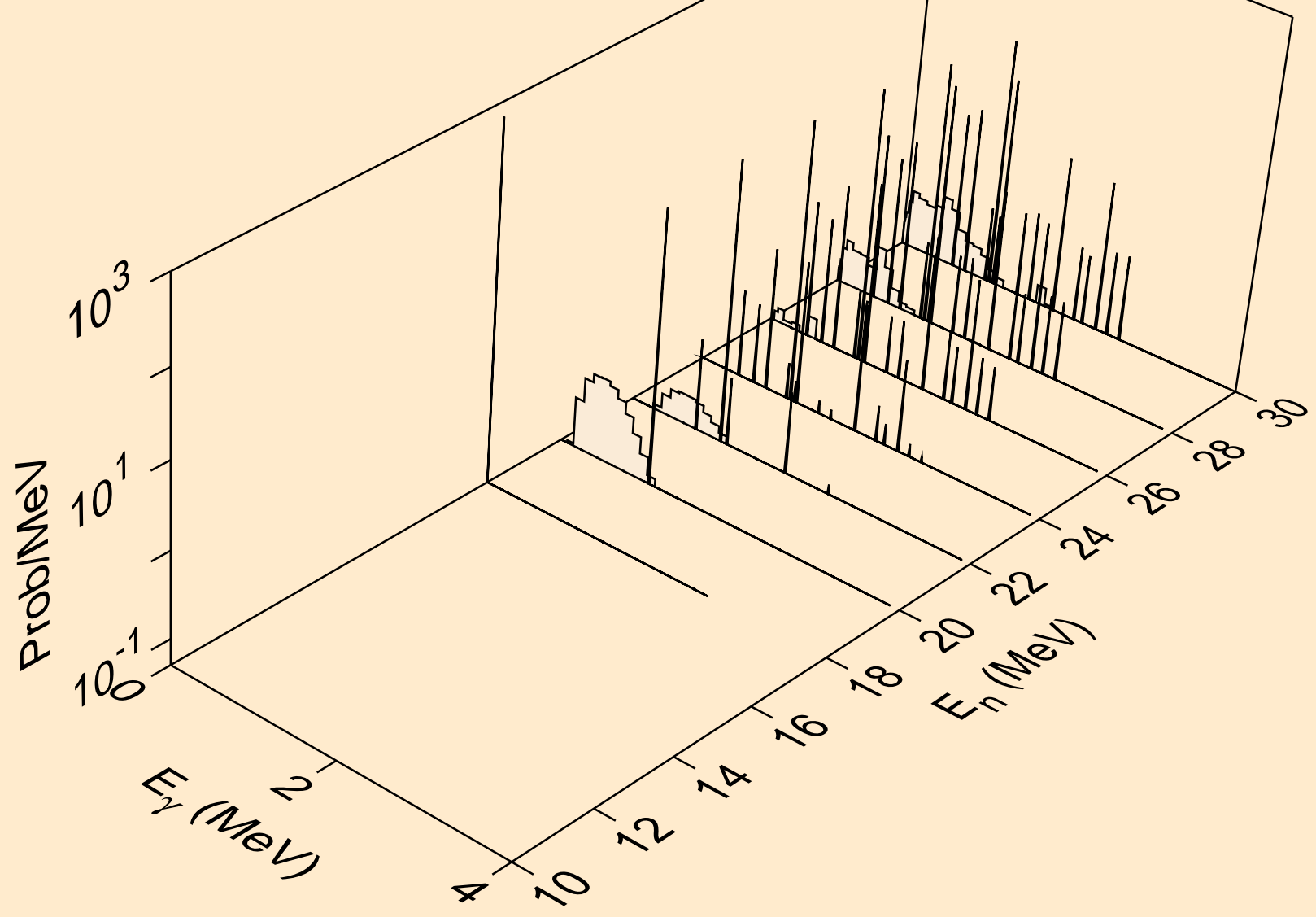
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)



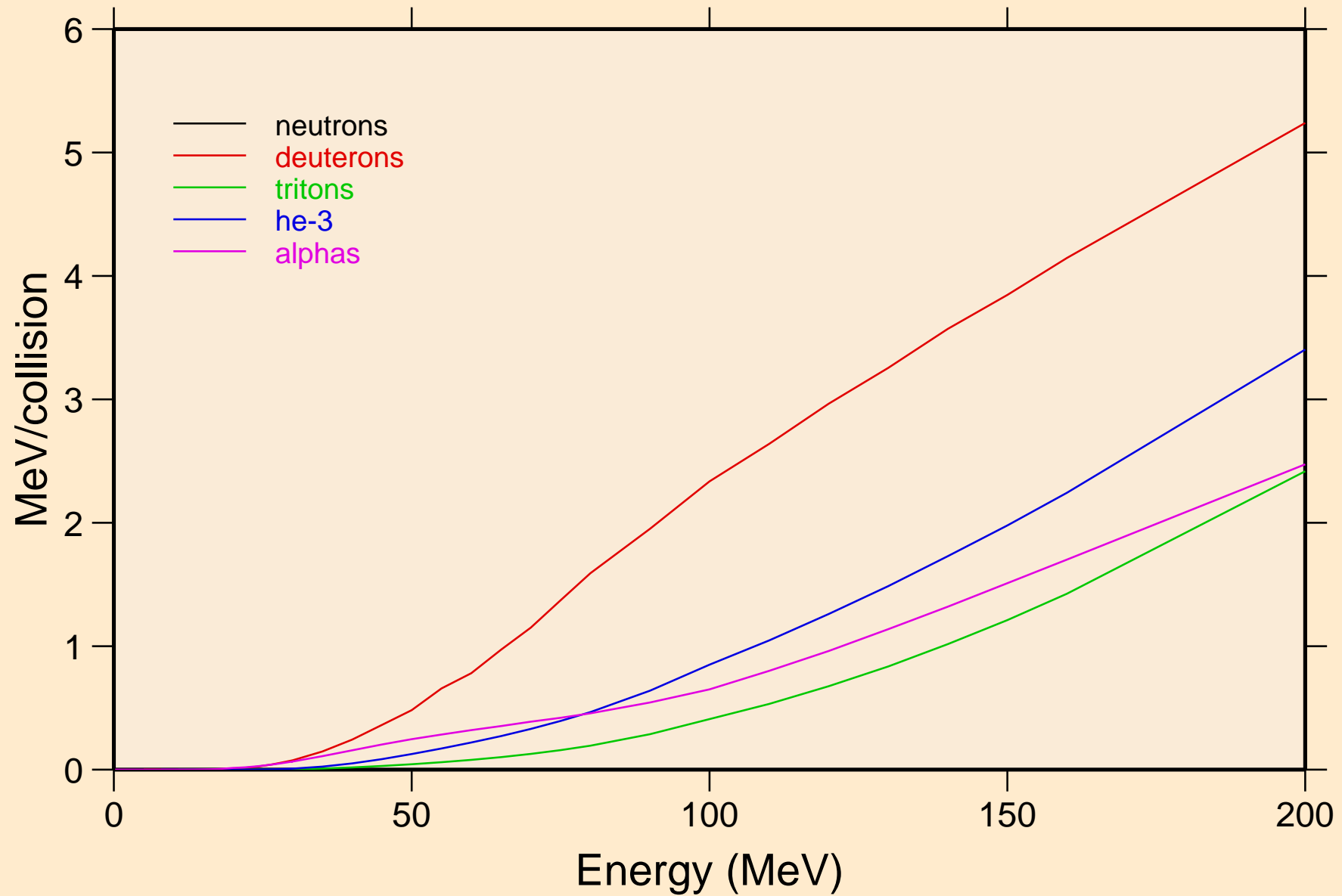
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)



ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,da)

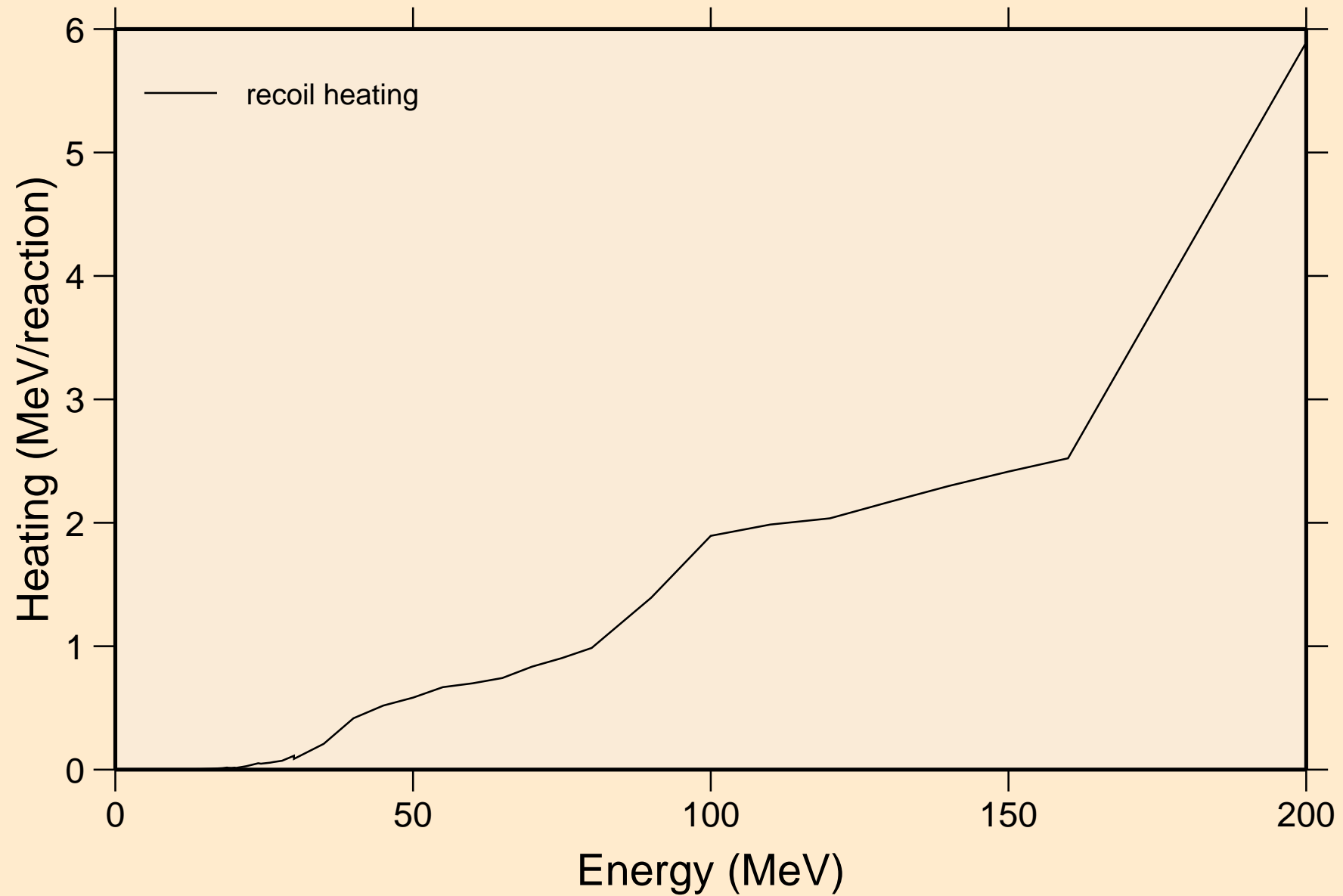


ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Particle heating contributions



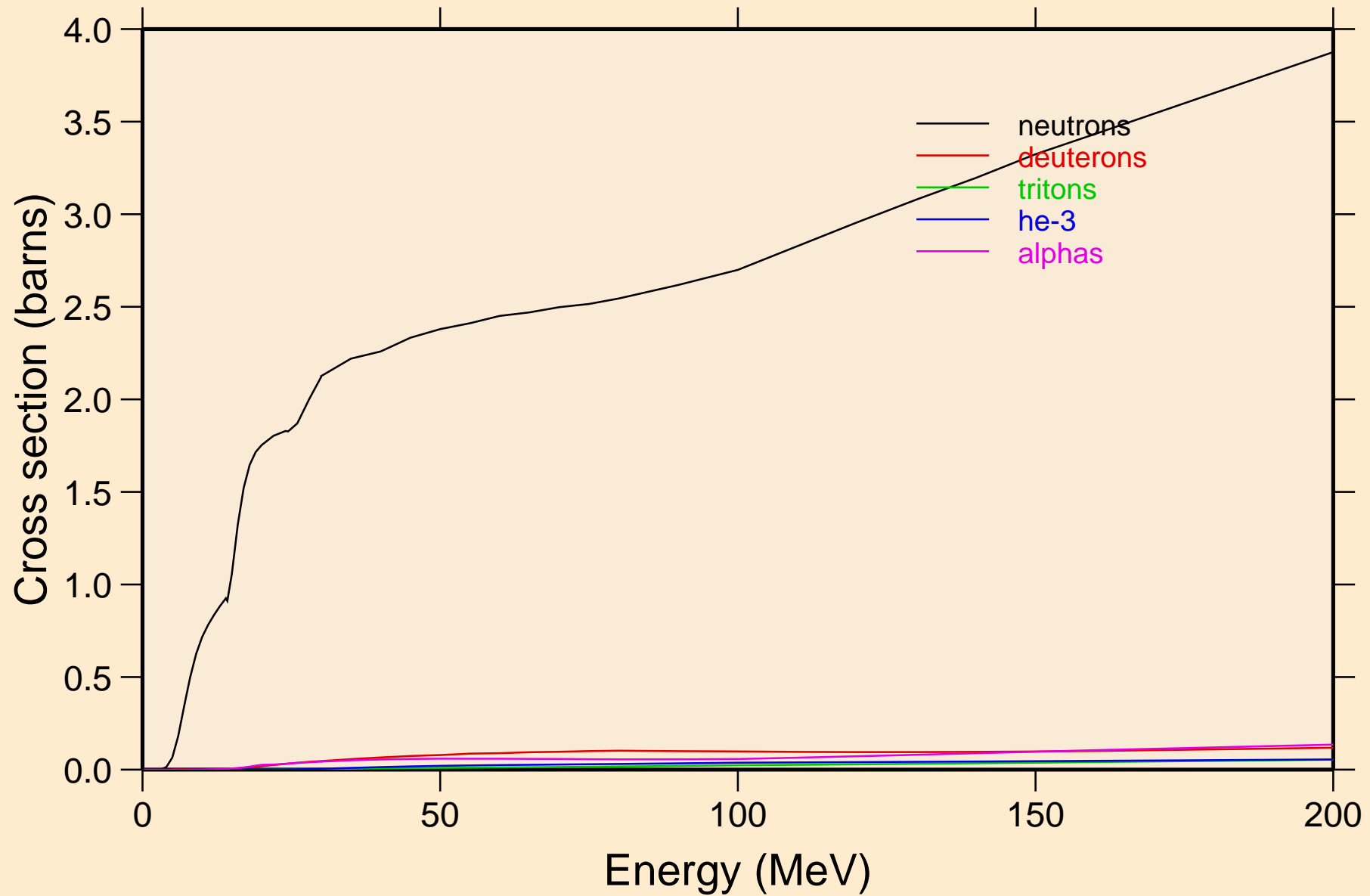
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Recoil Heating

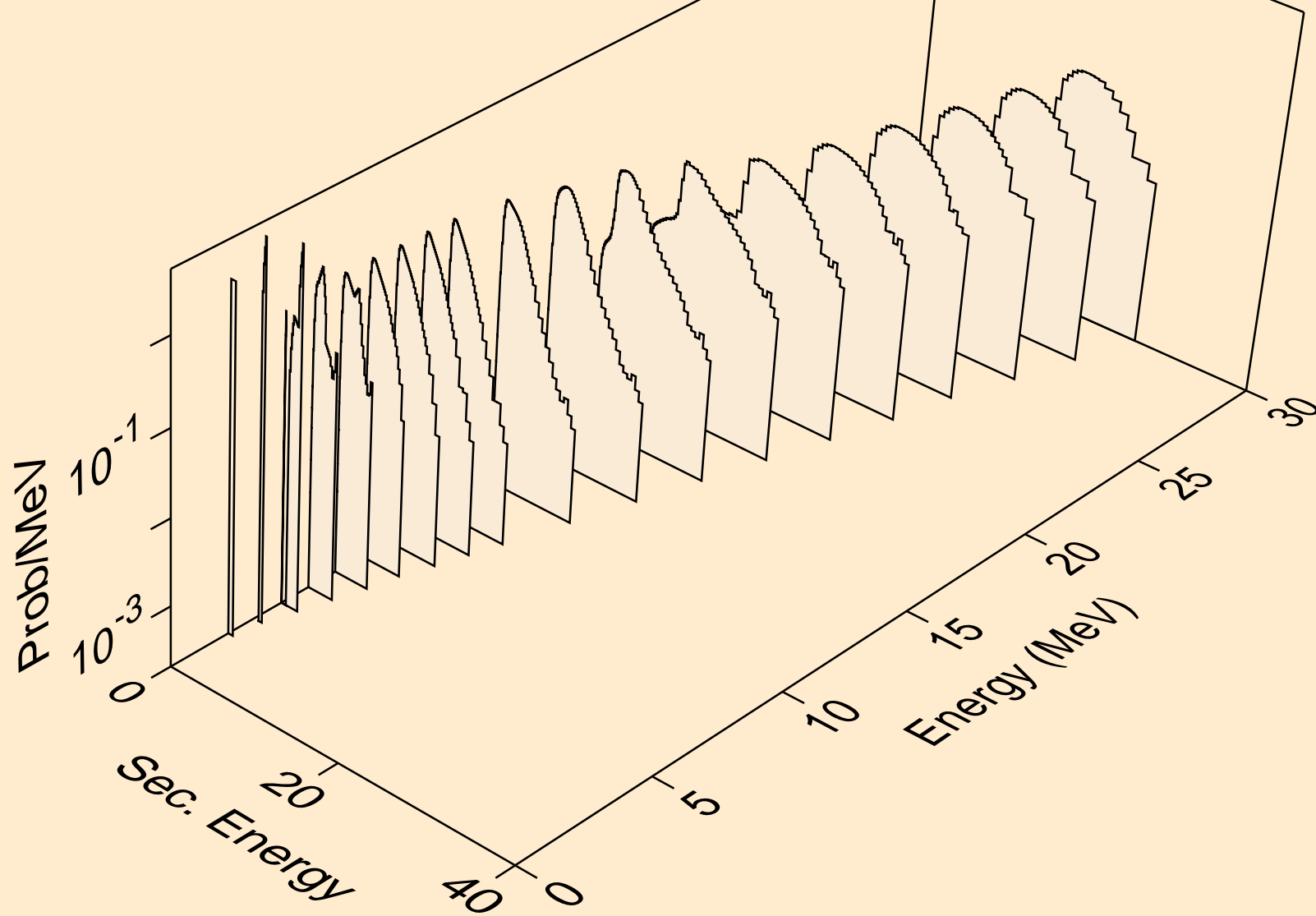


# ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K

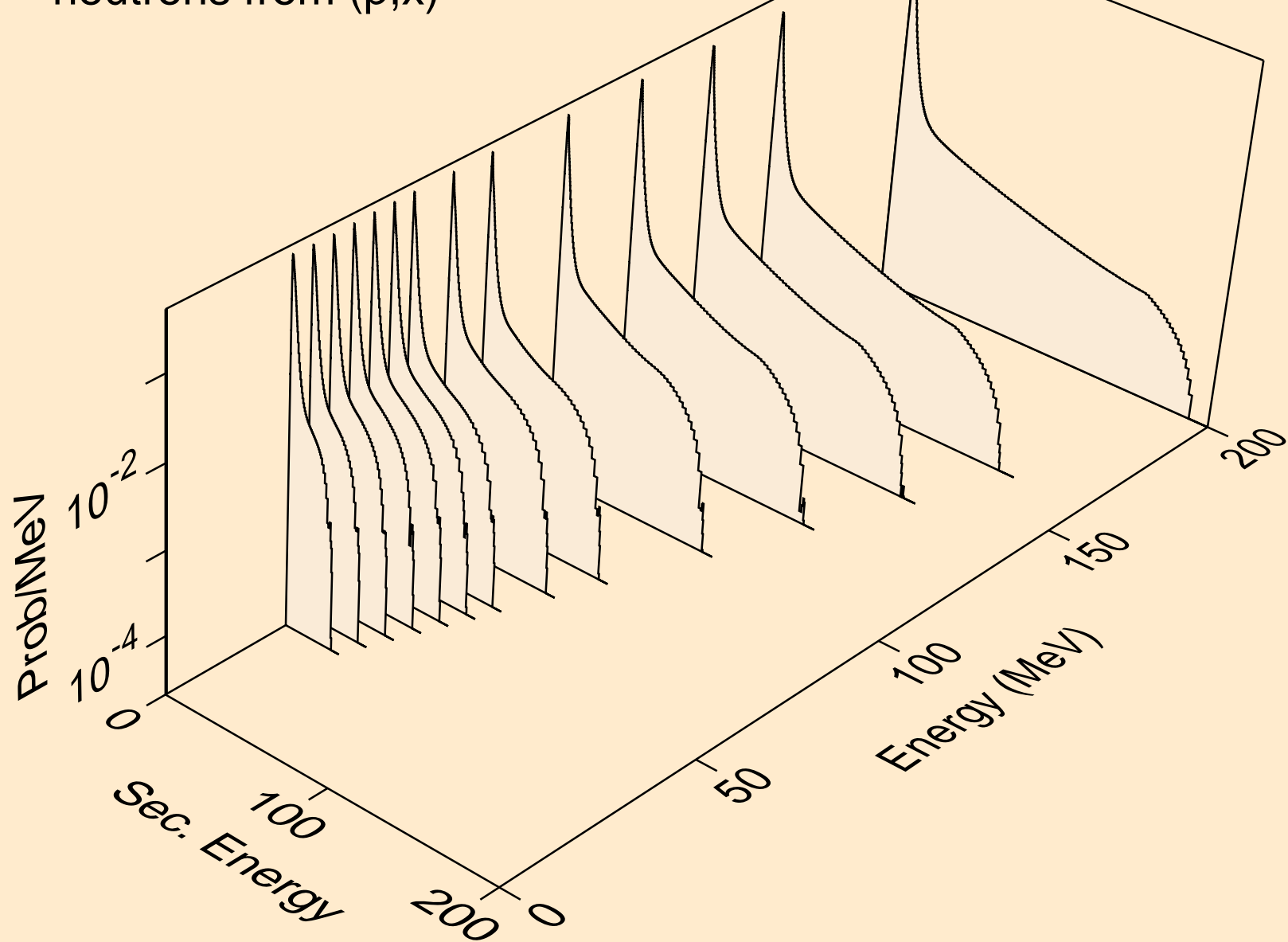
## Particle production cross sections



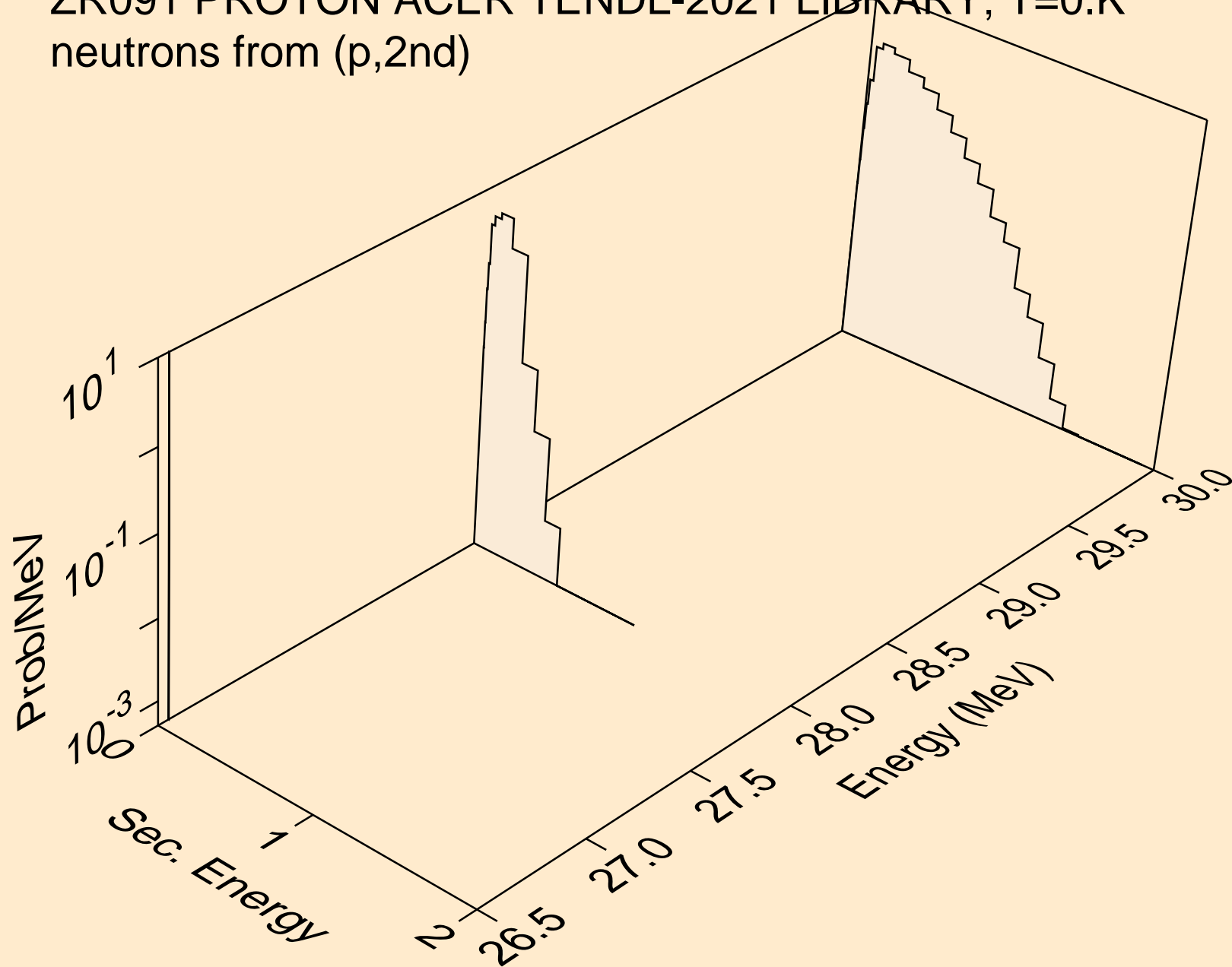
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n)



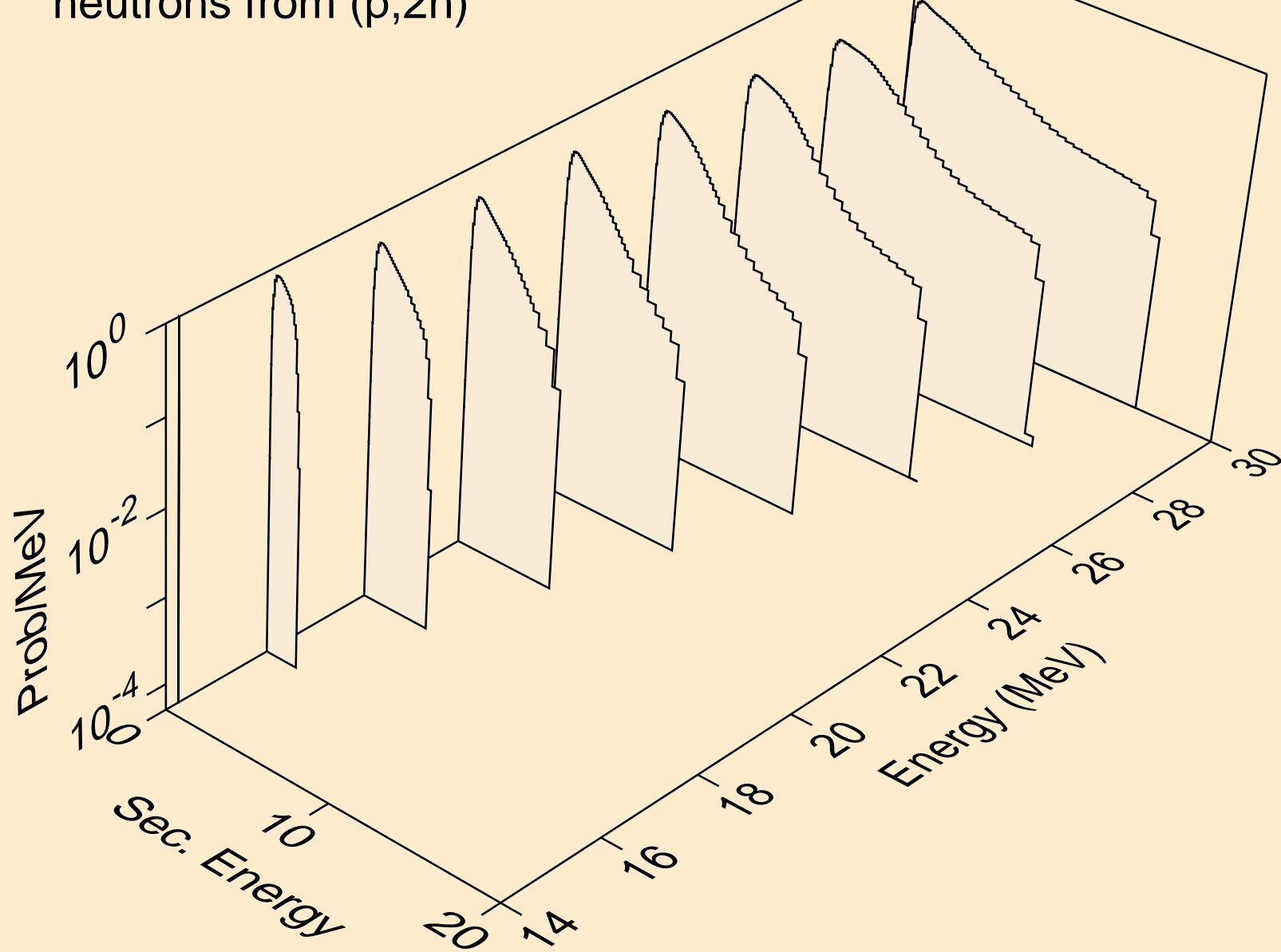
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,x)



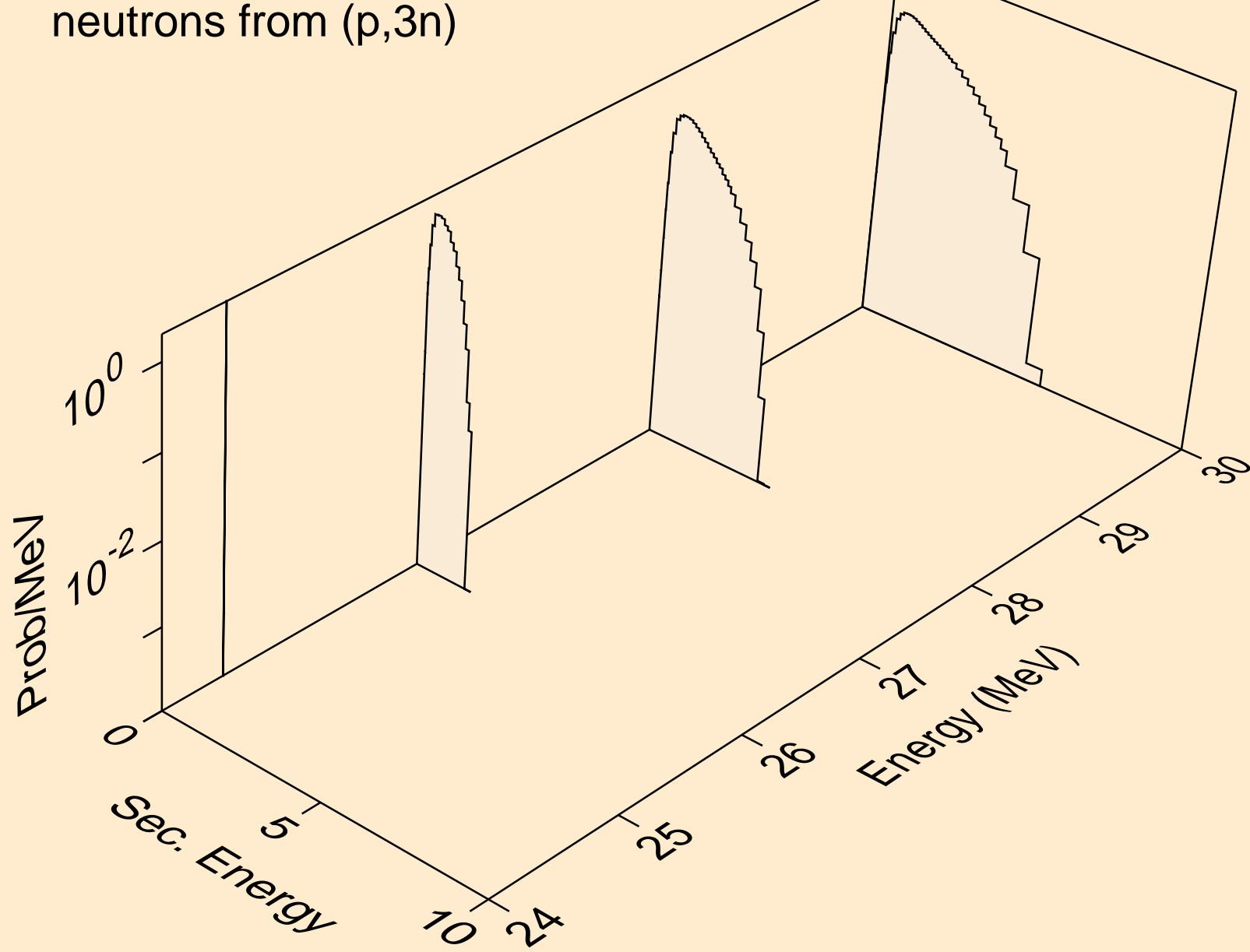
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2nd)



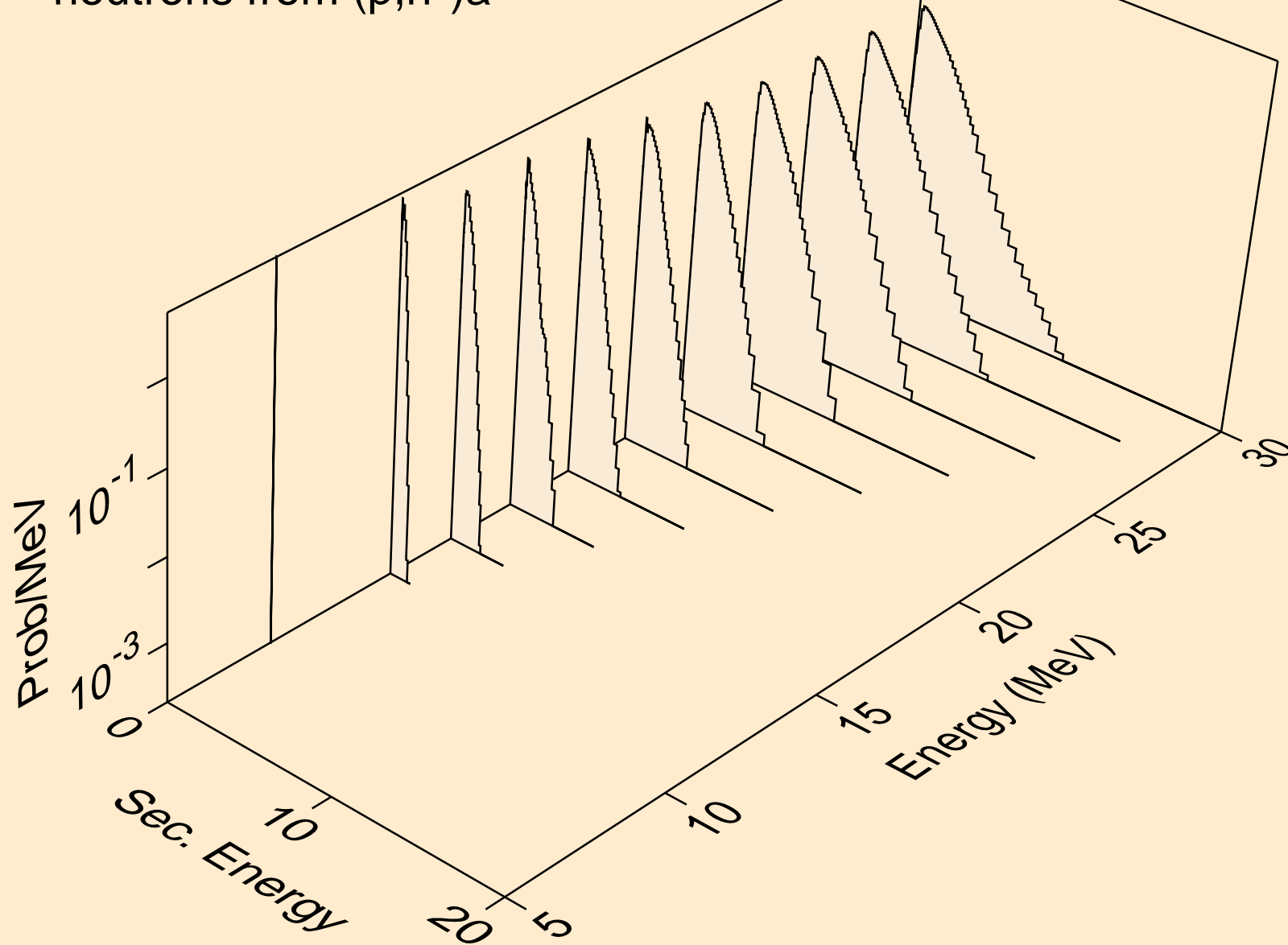
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2n)



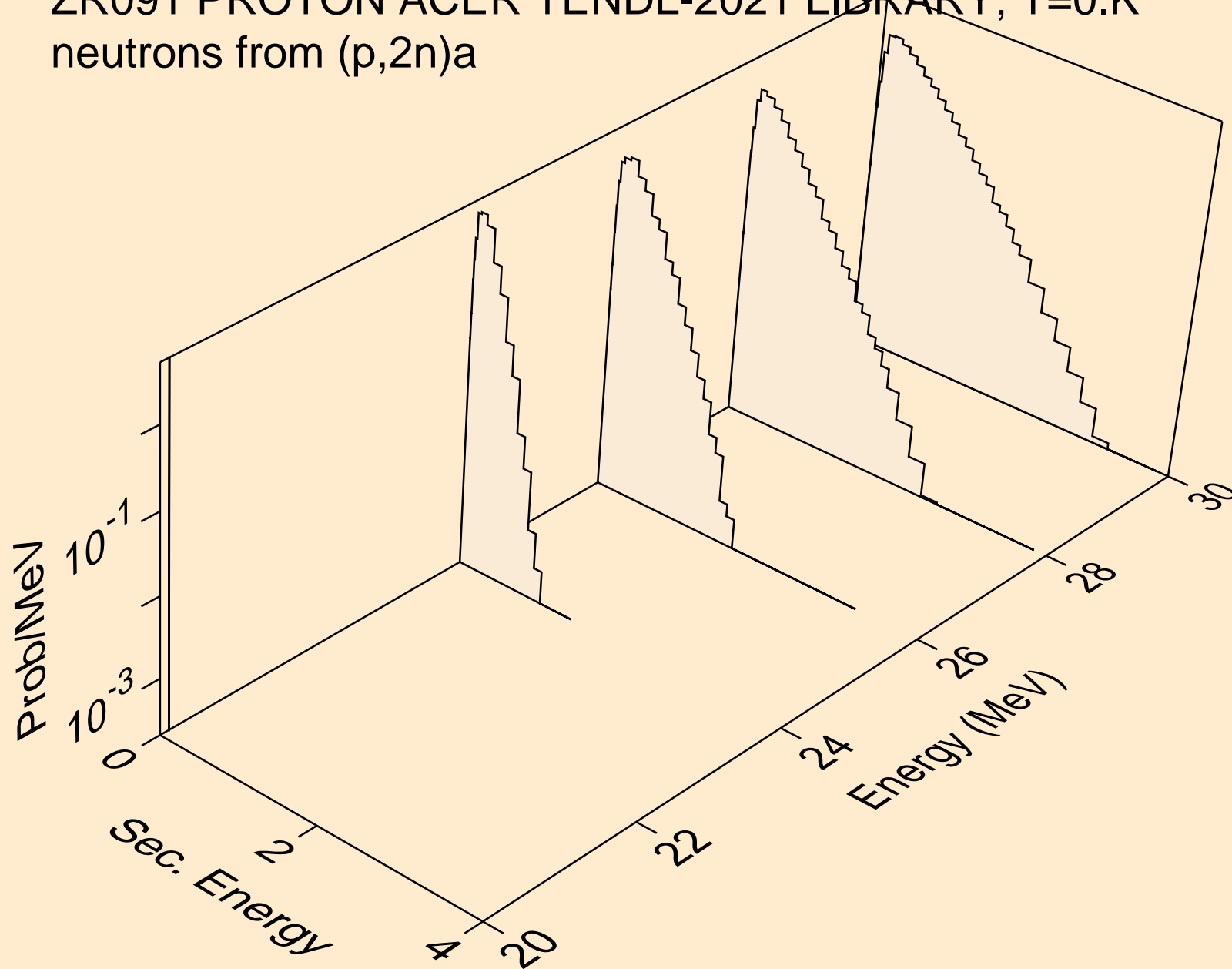
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3n)



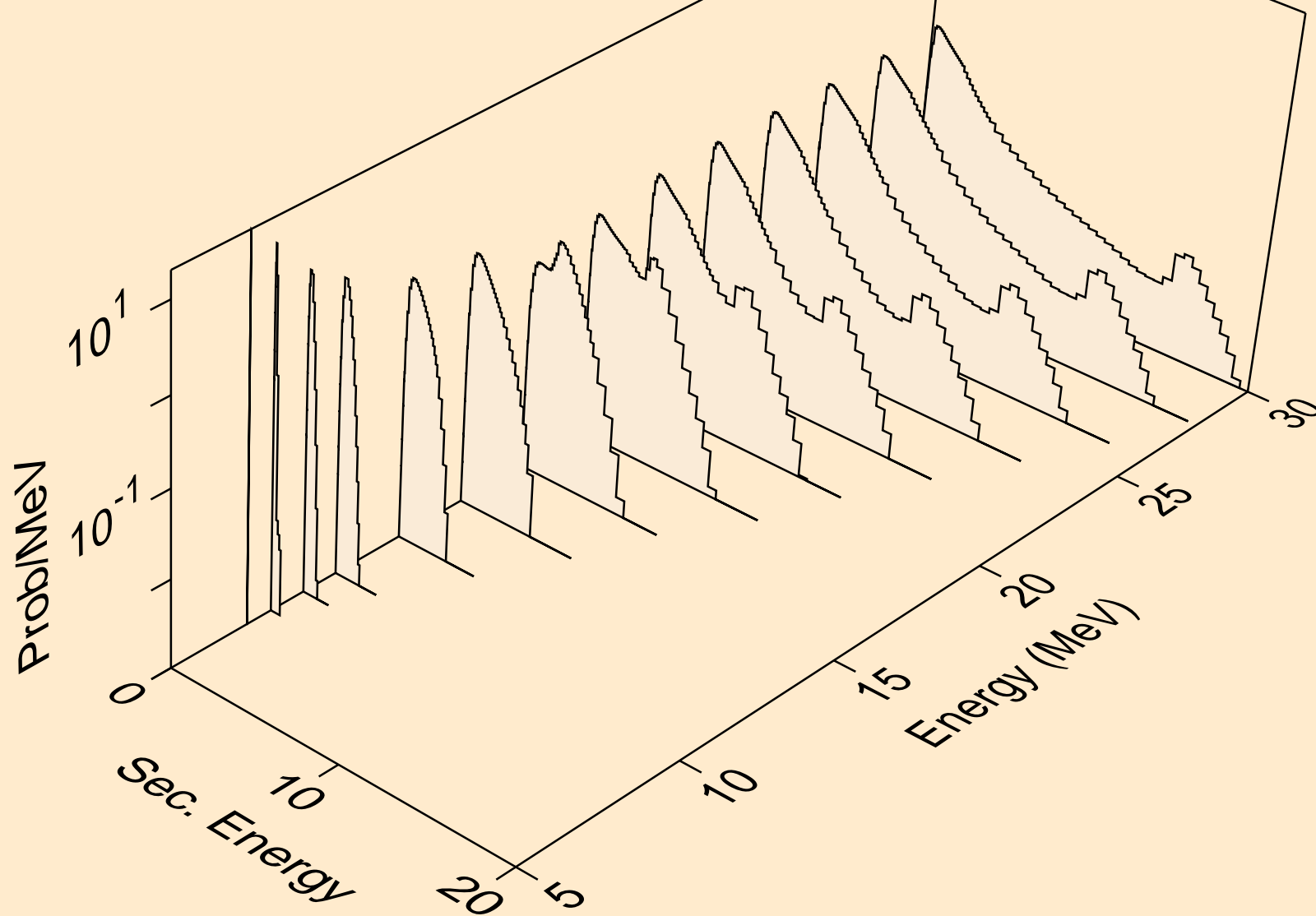
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)a



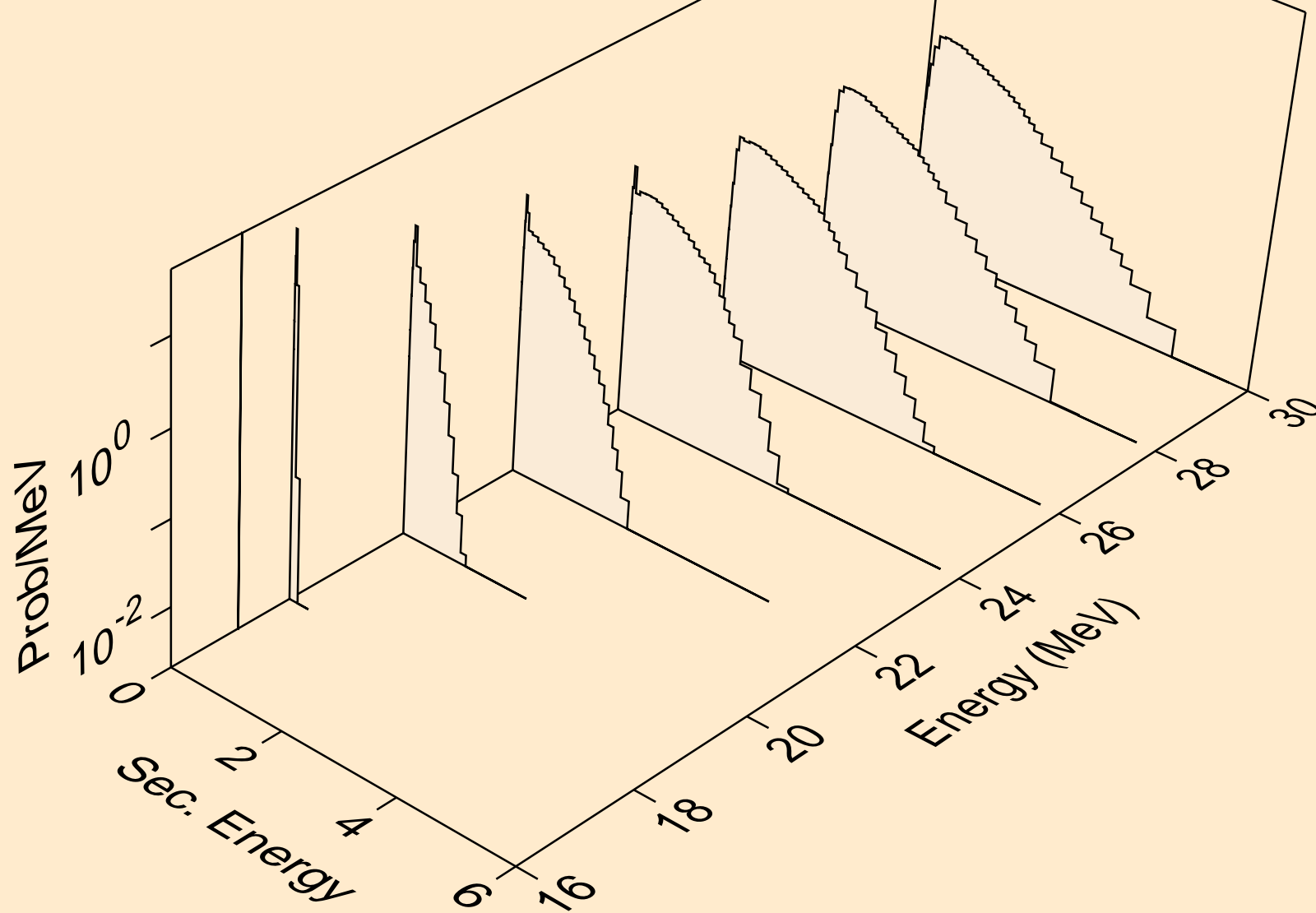
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2n)a



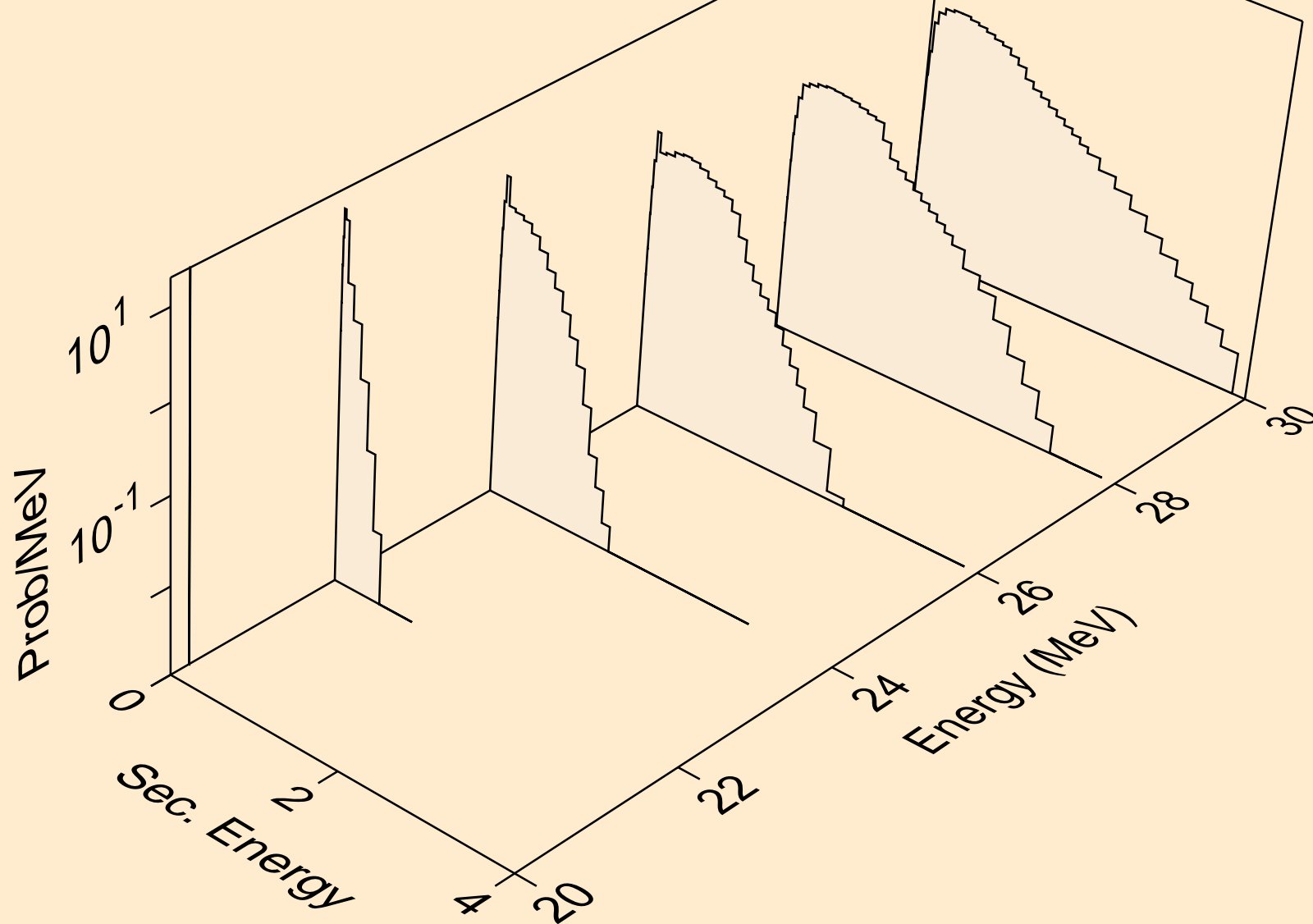
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)p



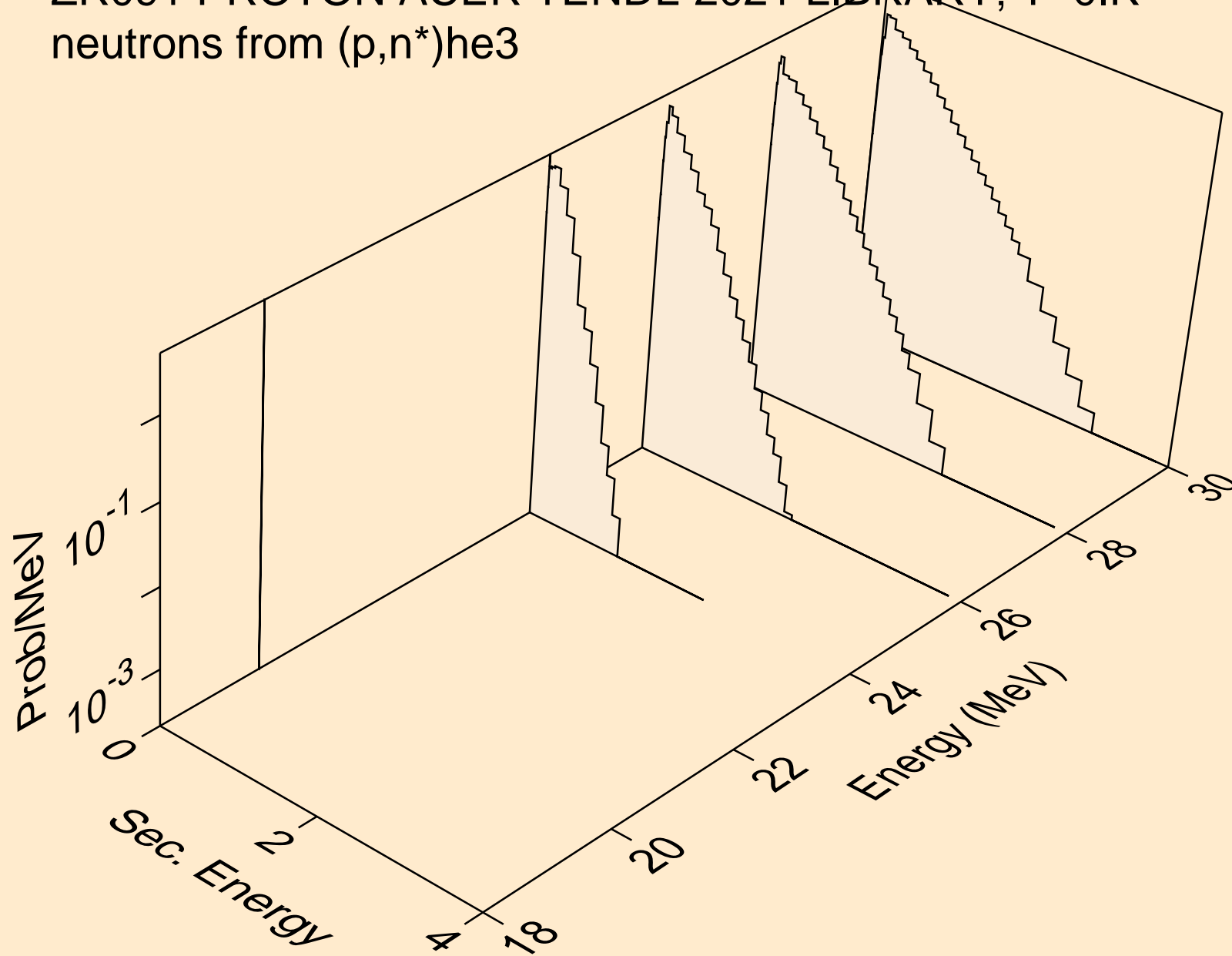
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)d



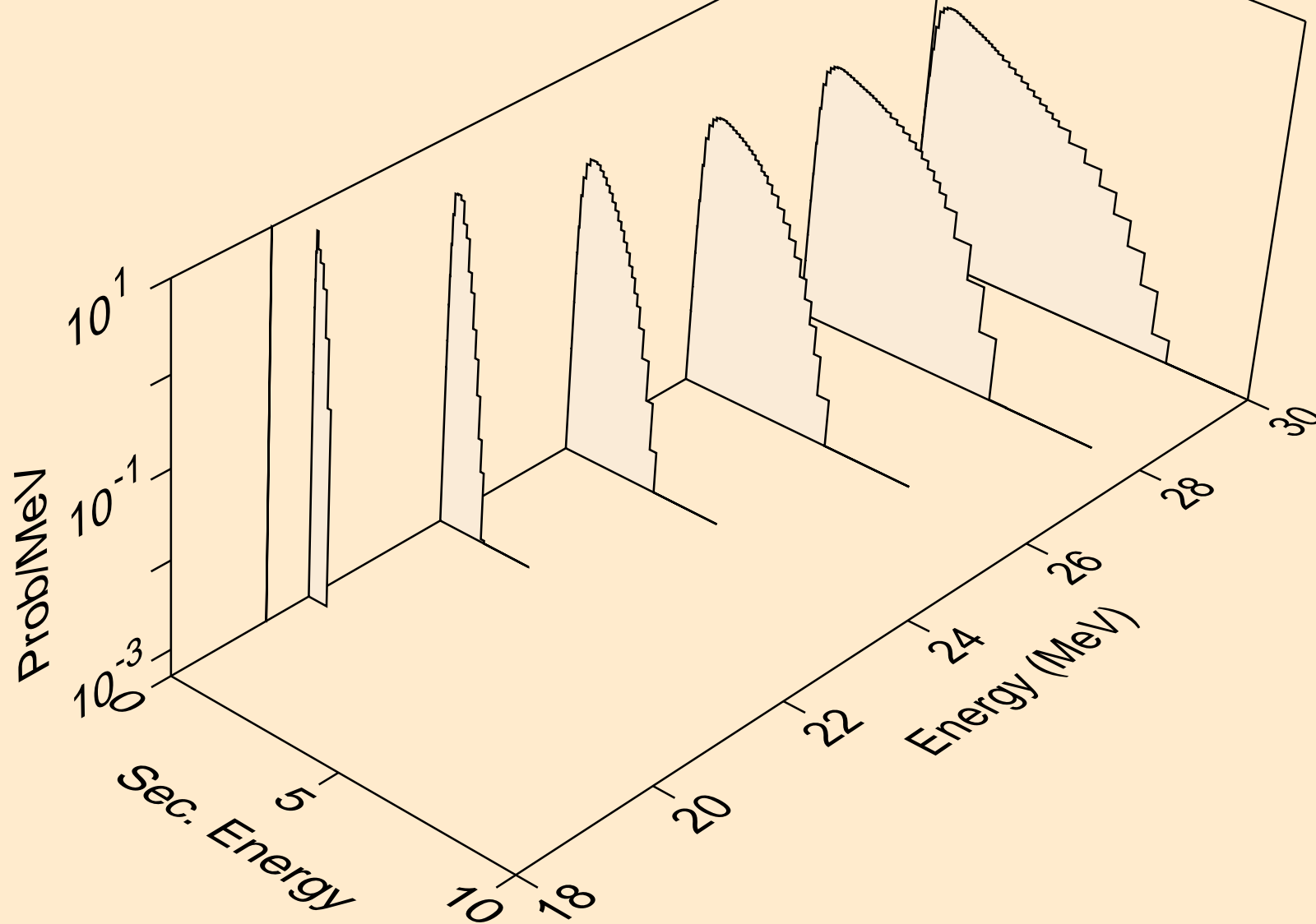
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)t



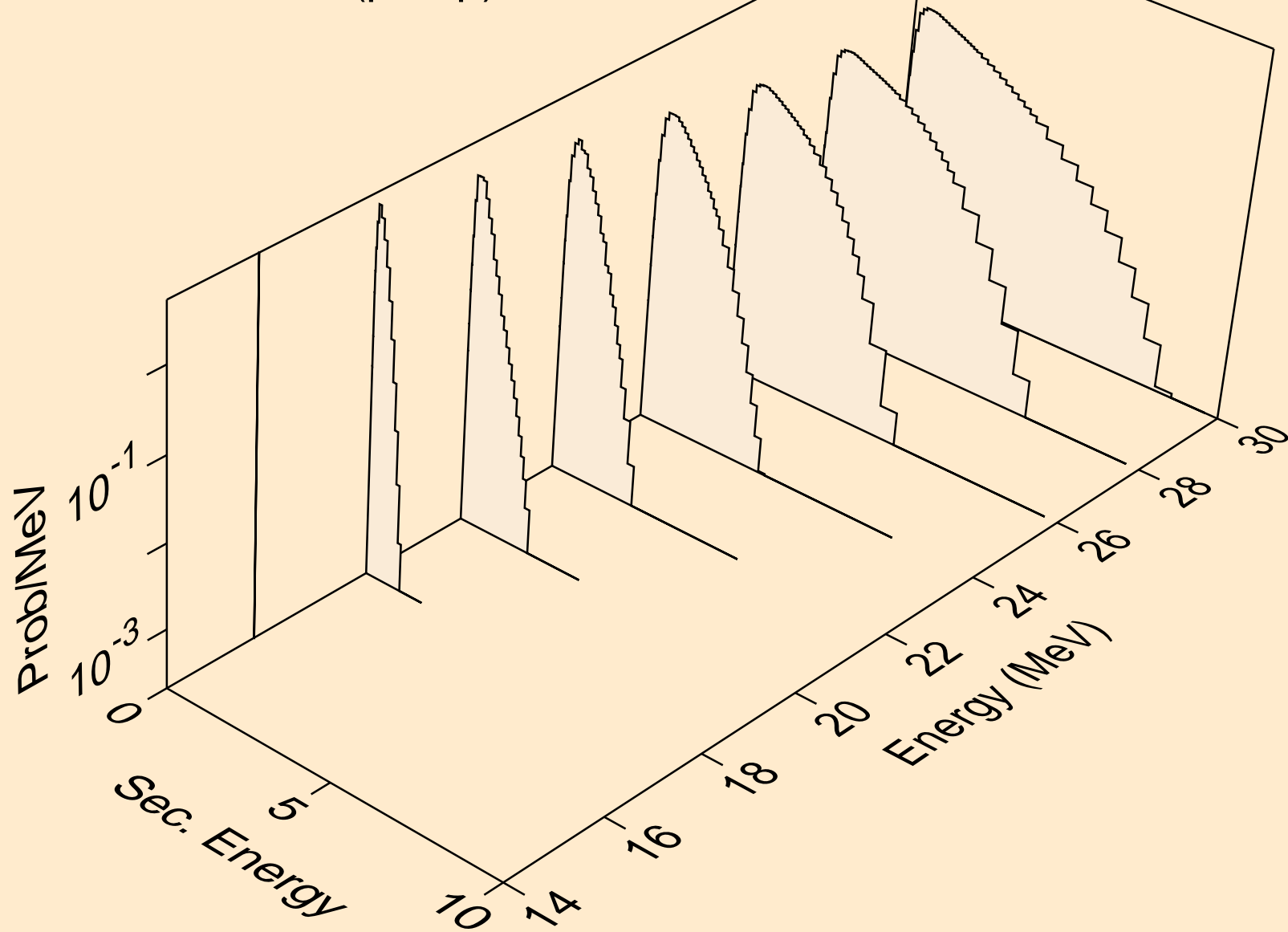
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



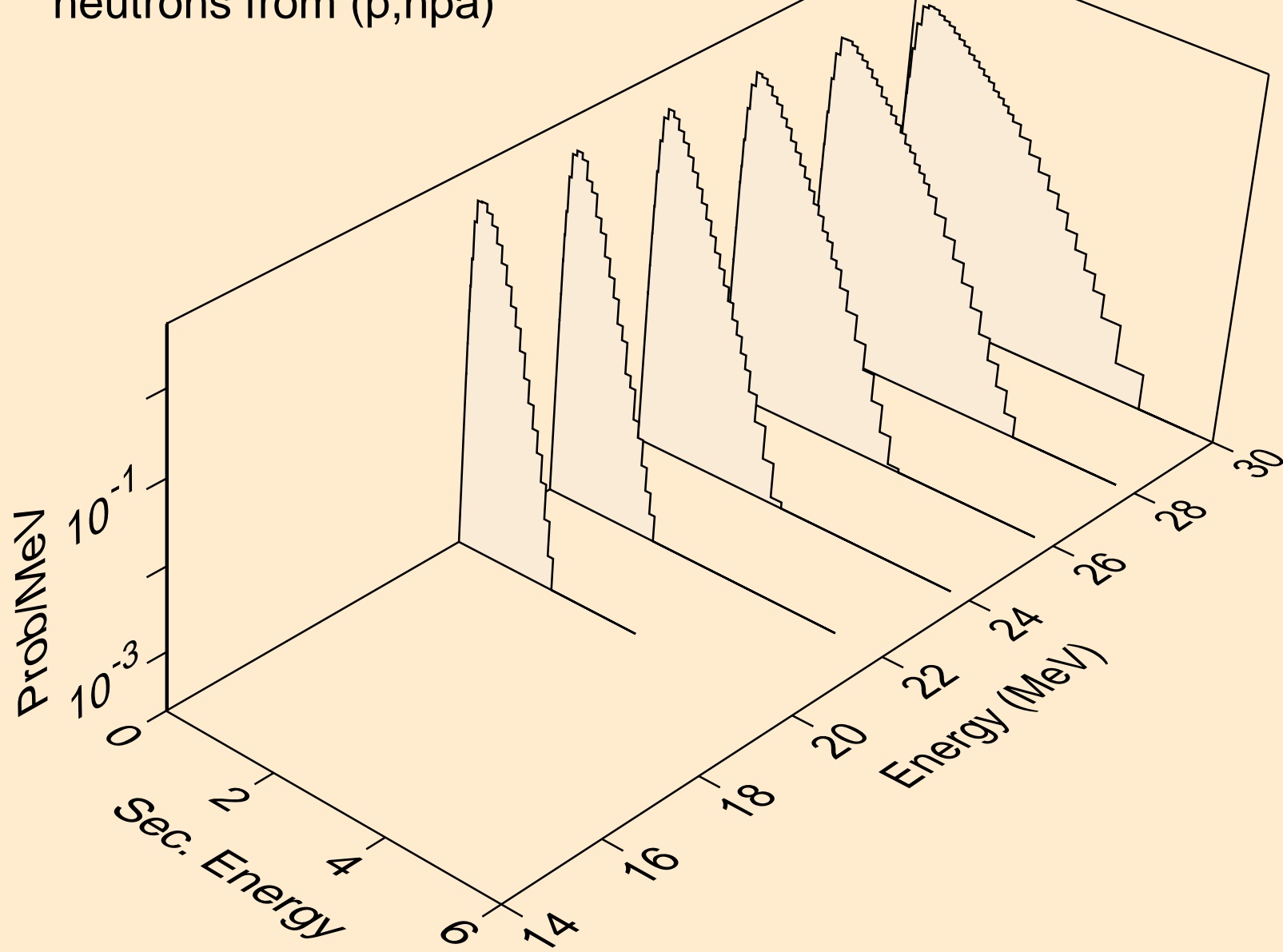
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)



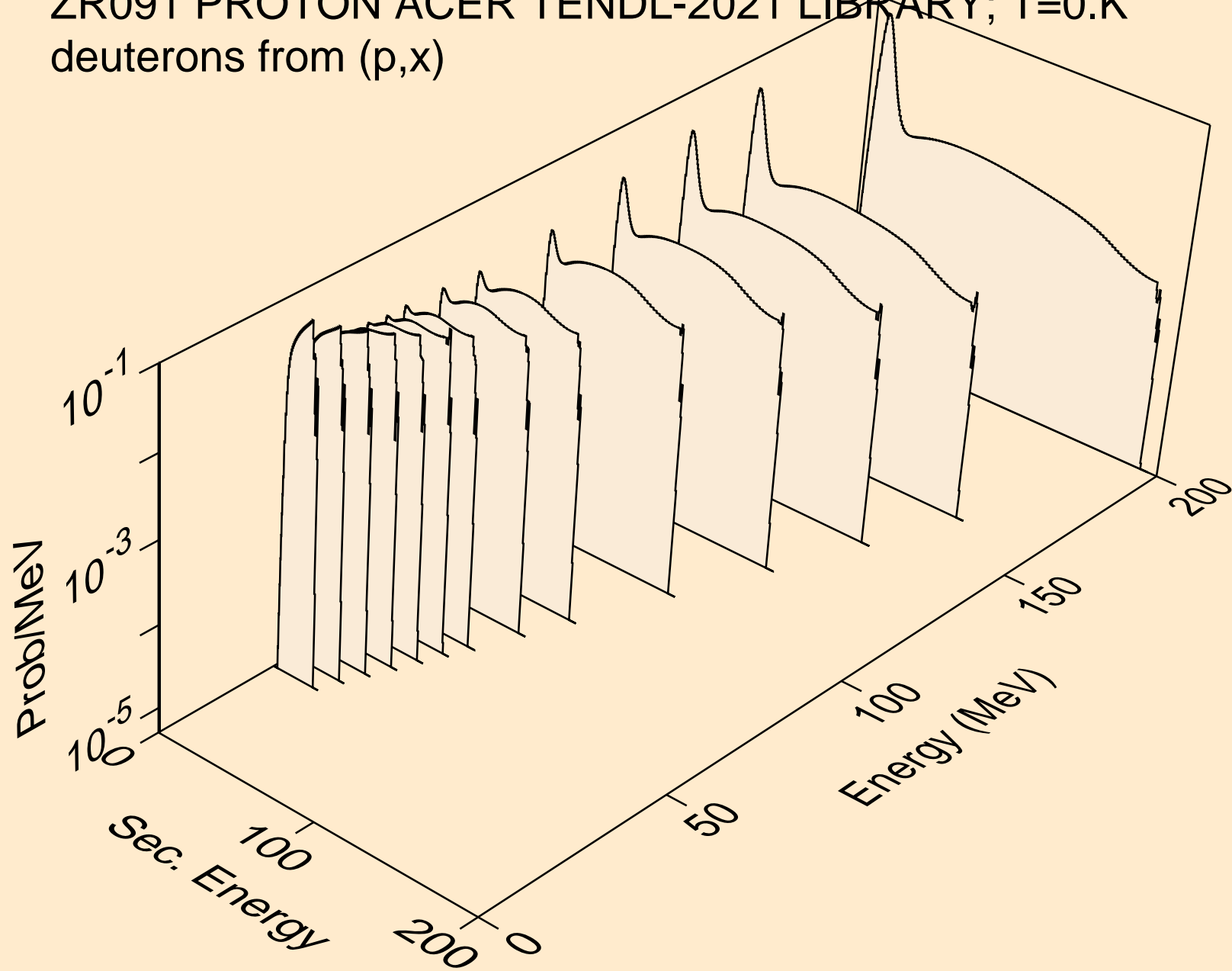
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)



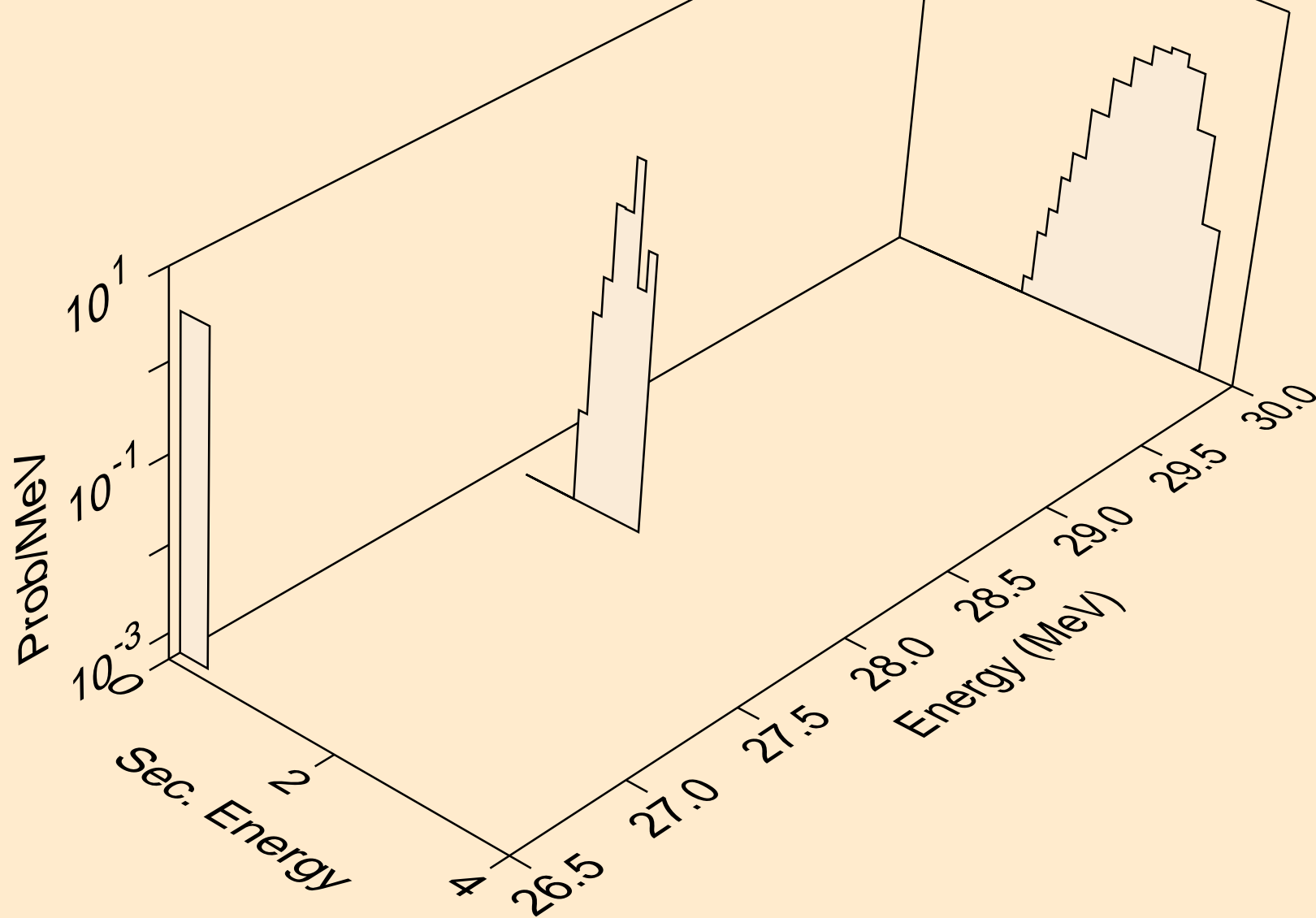
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,npa)



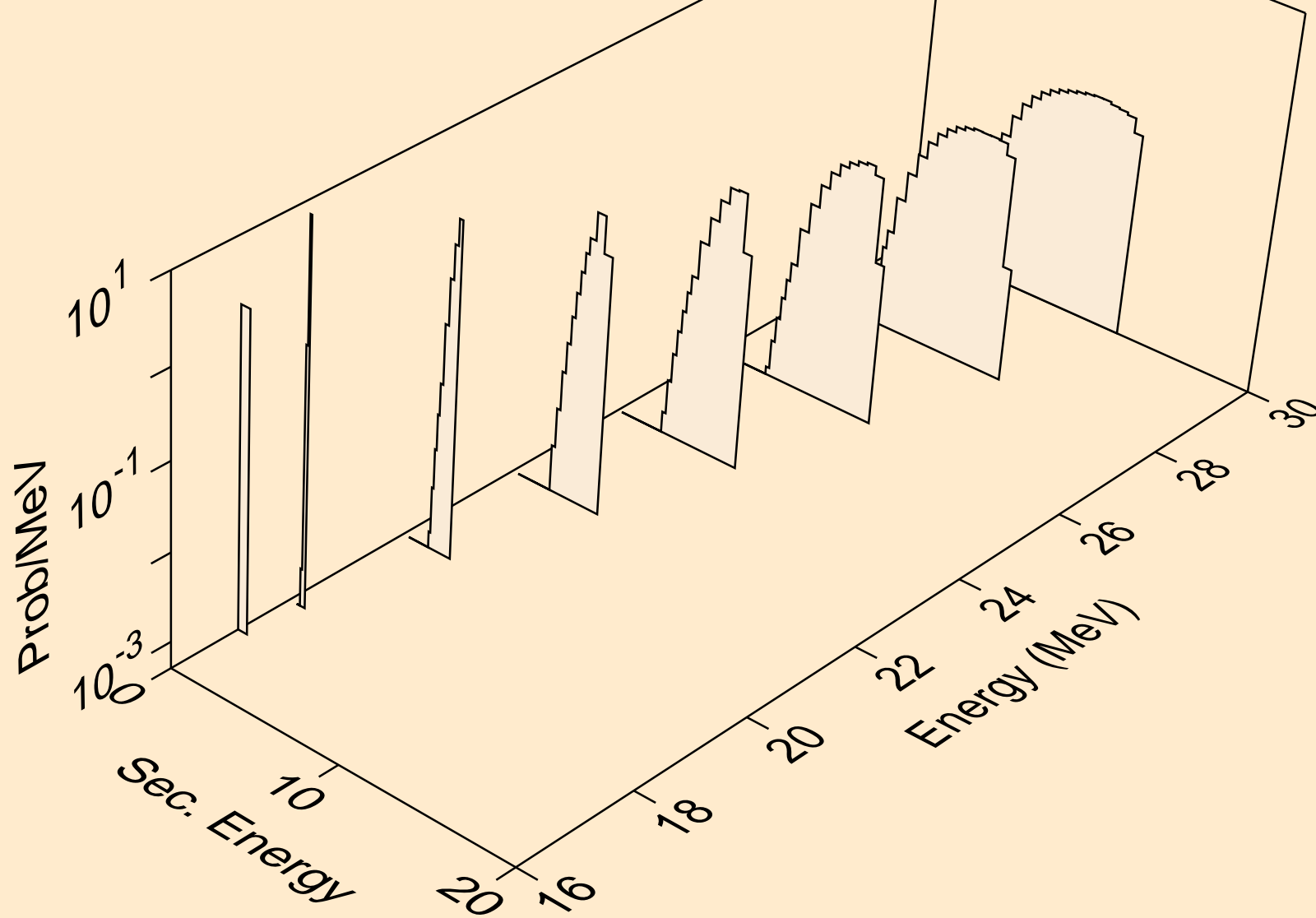
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,x)



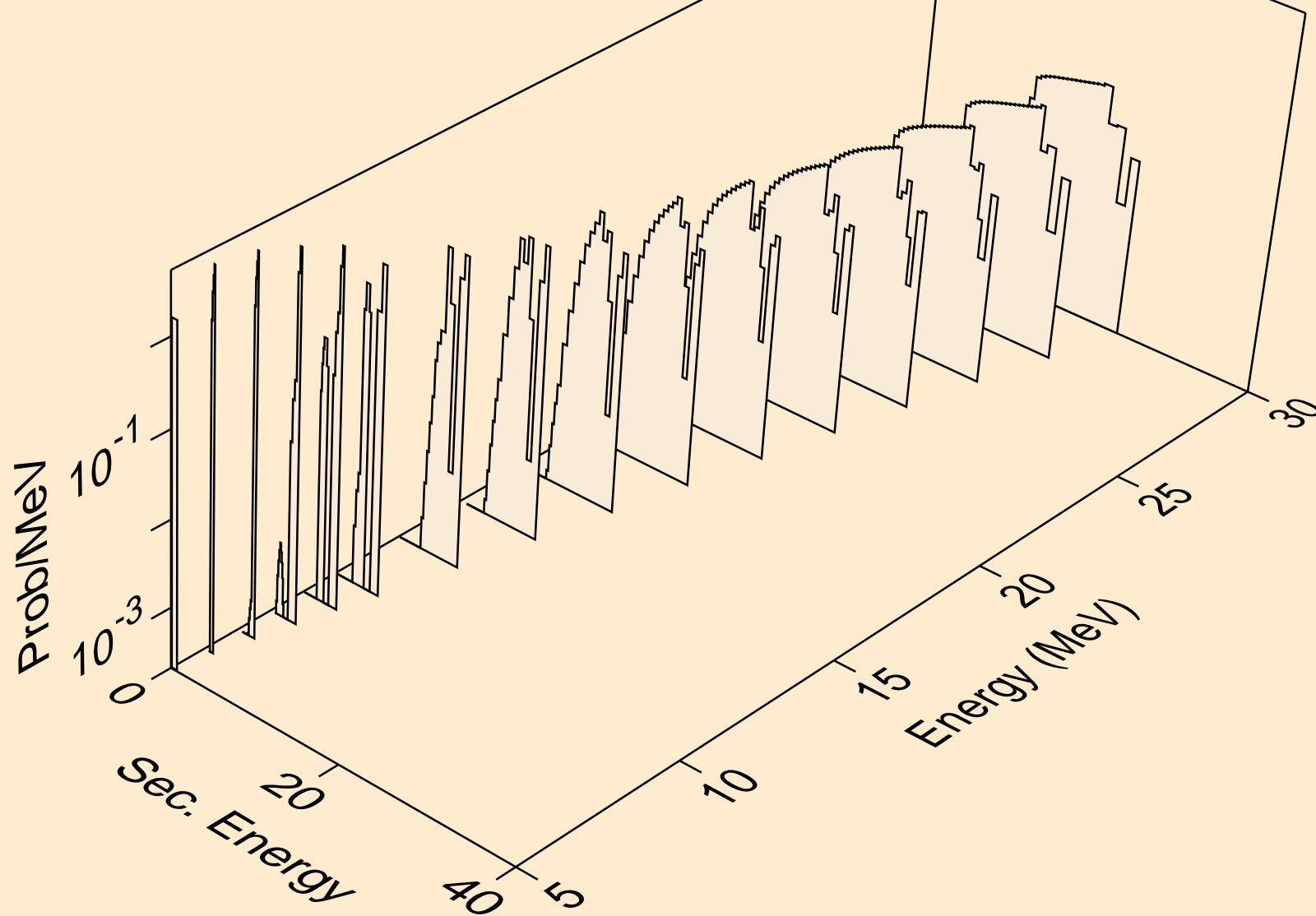
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,2nd)



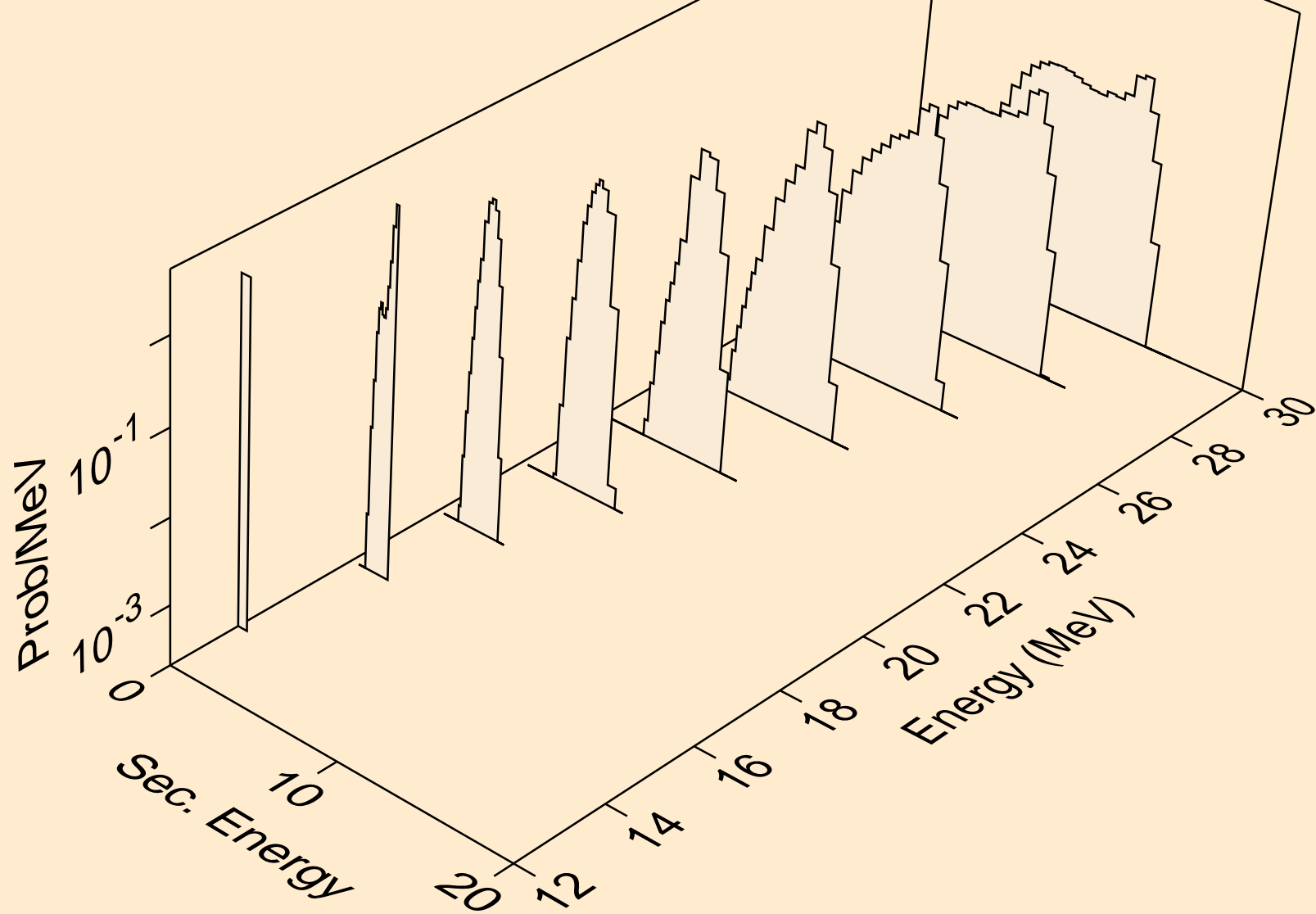
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,n\*)d



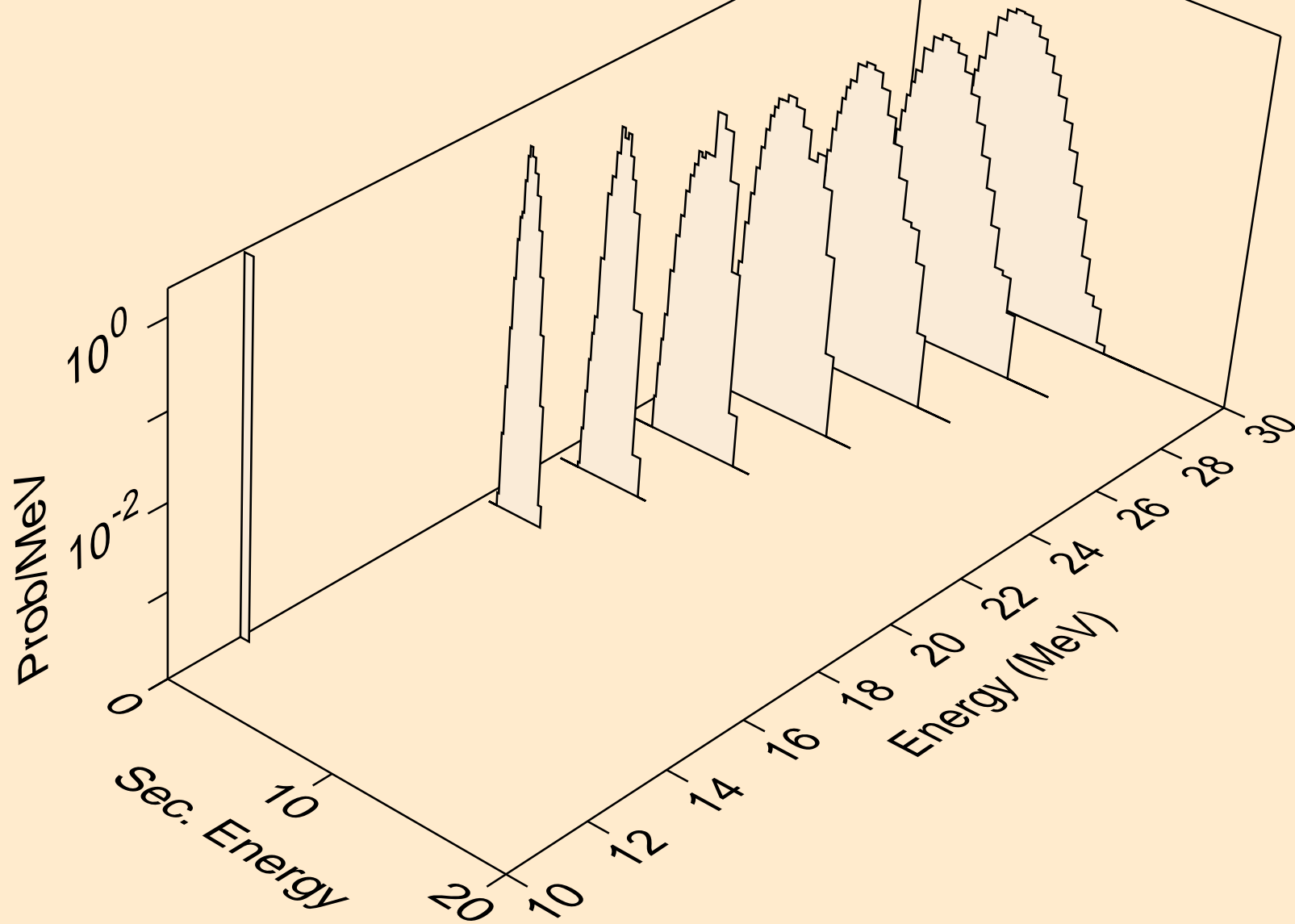
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,d)



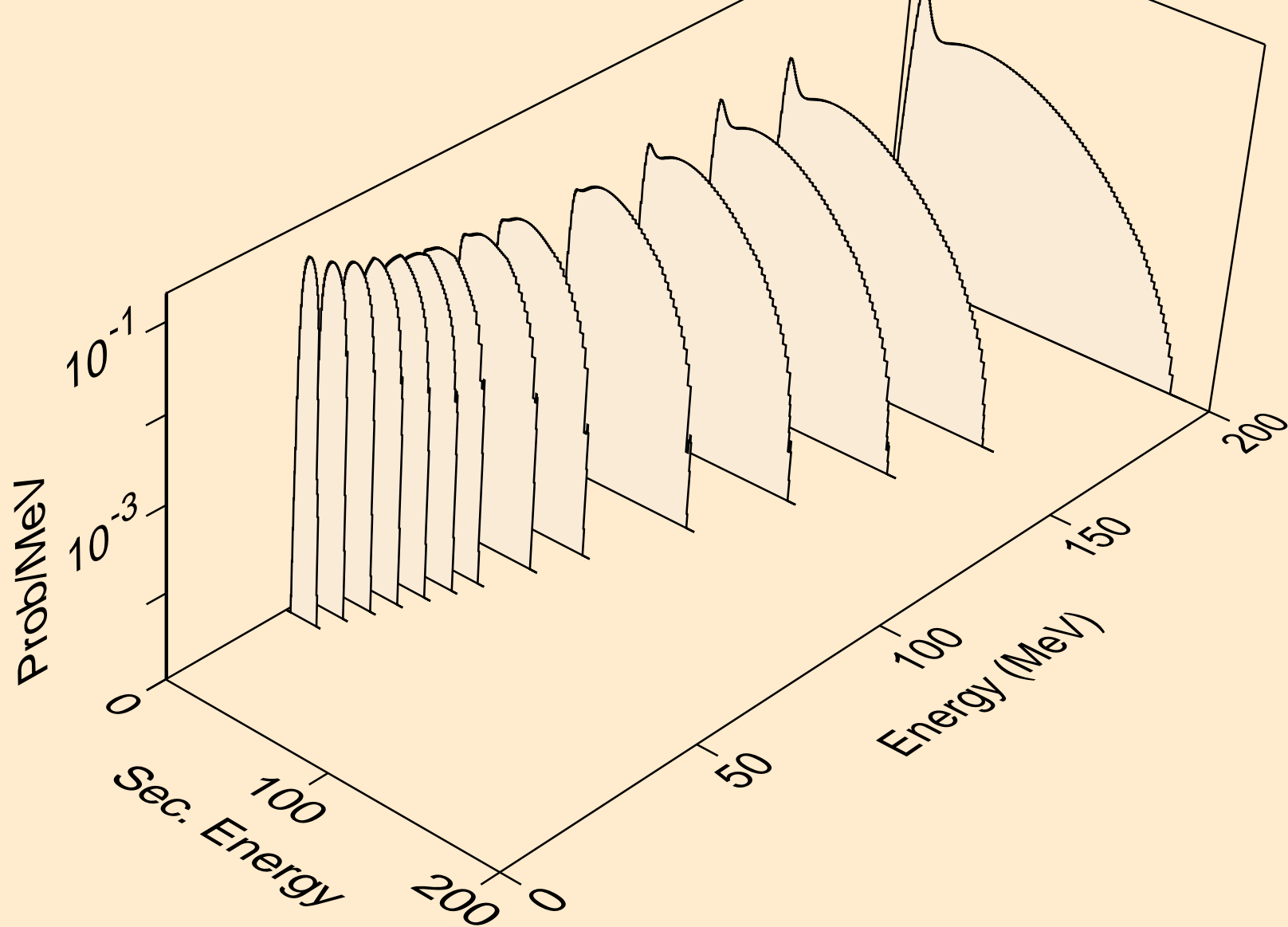
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,pd)



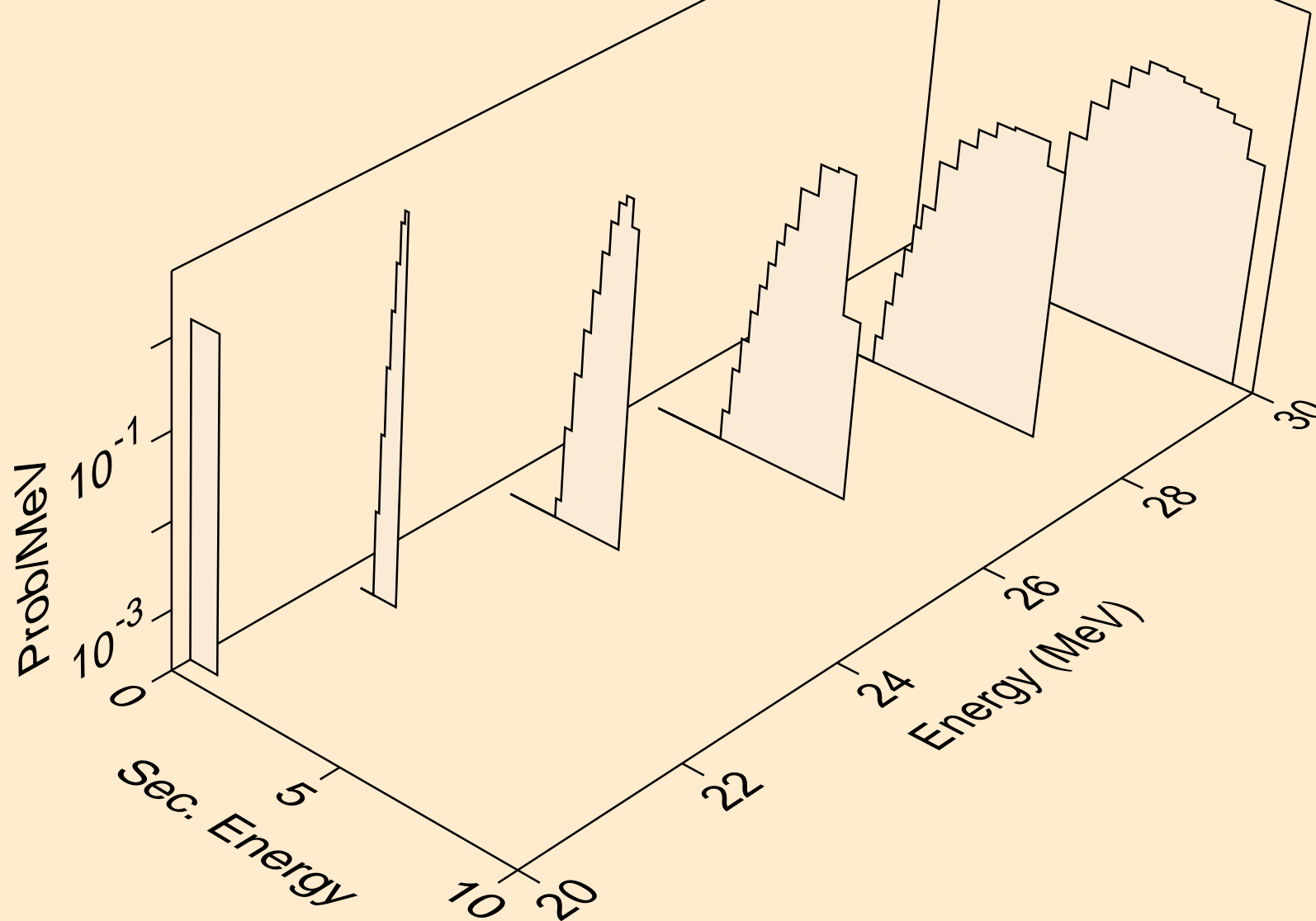
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,da)



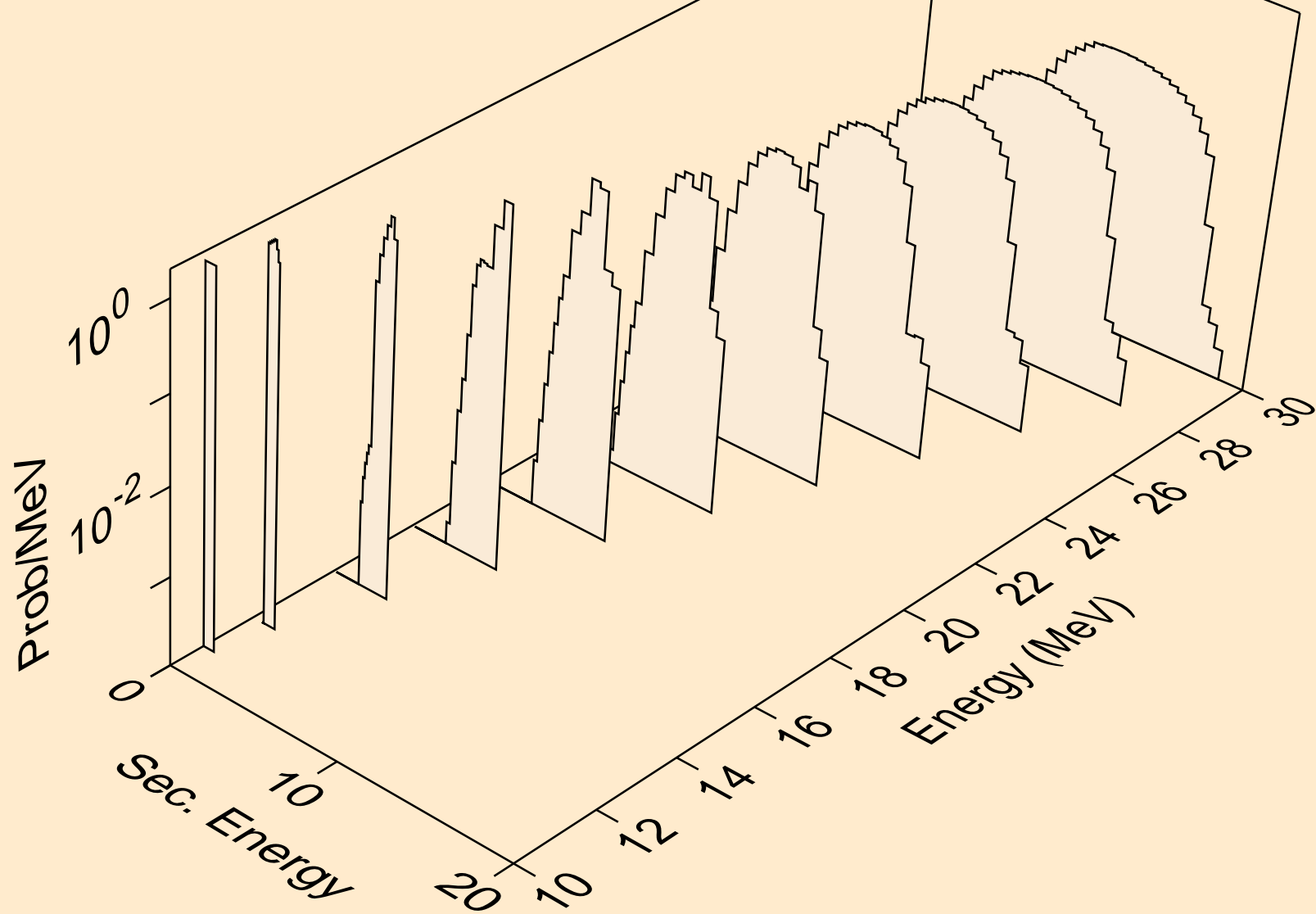
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,x)



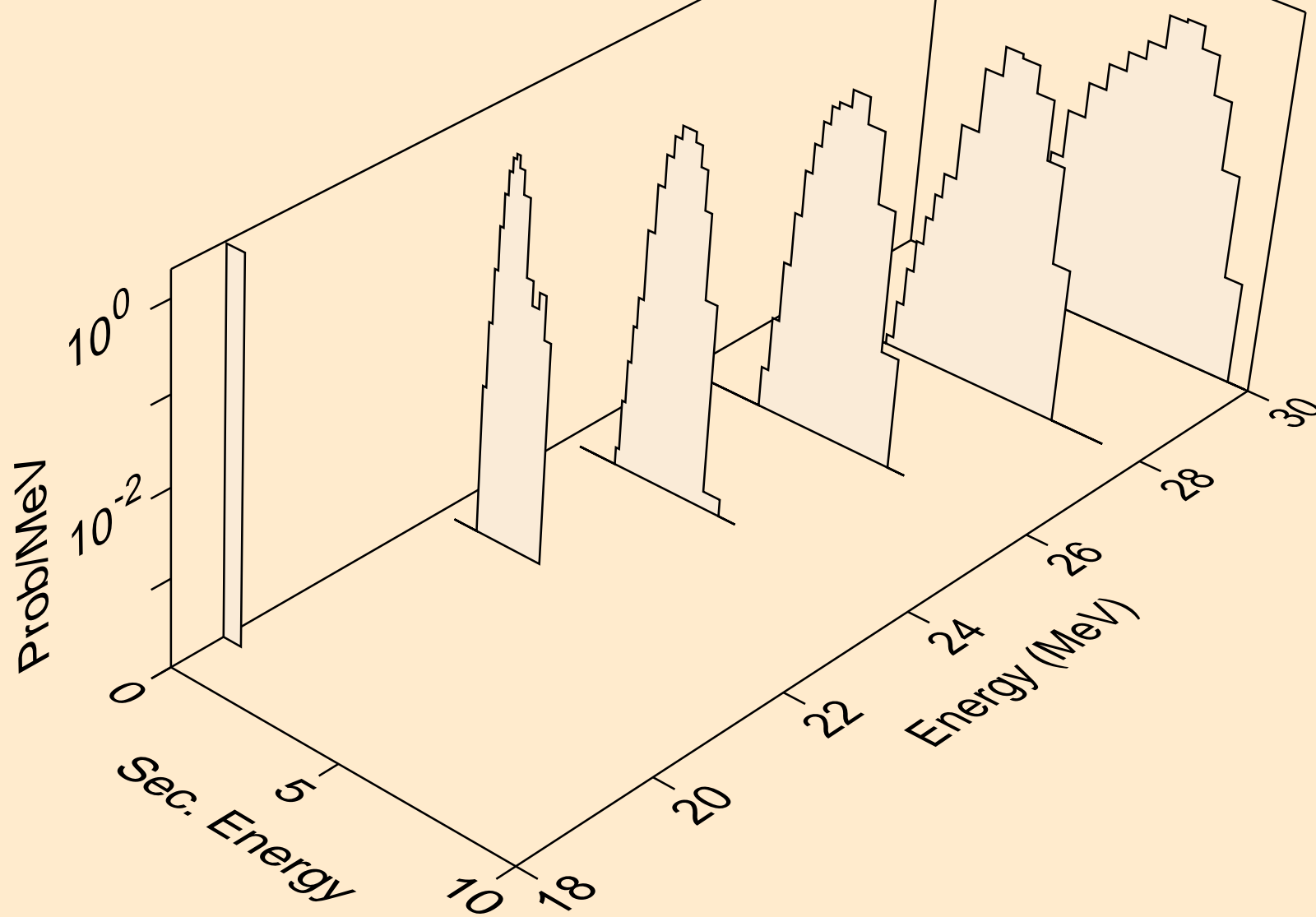
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,n\*)t



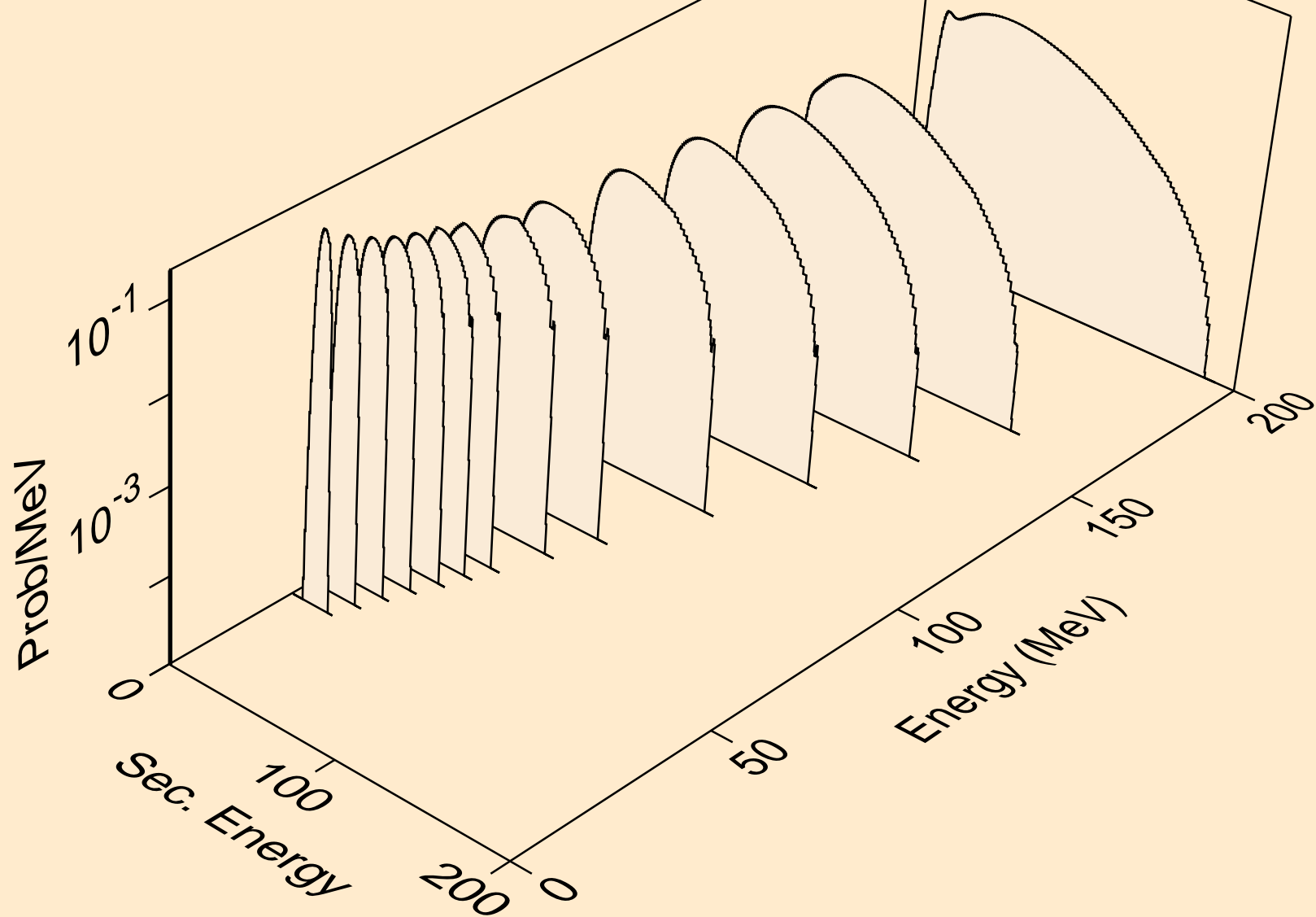
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,t)



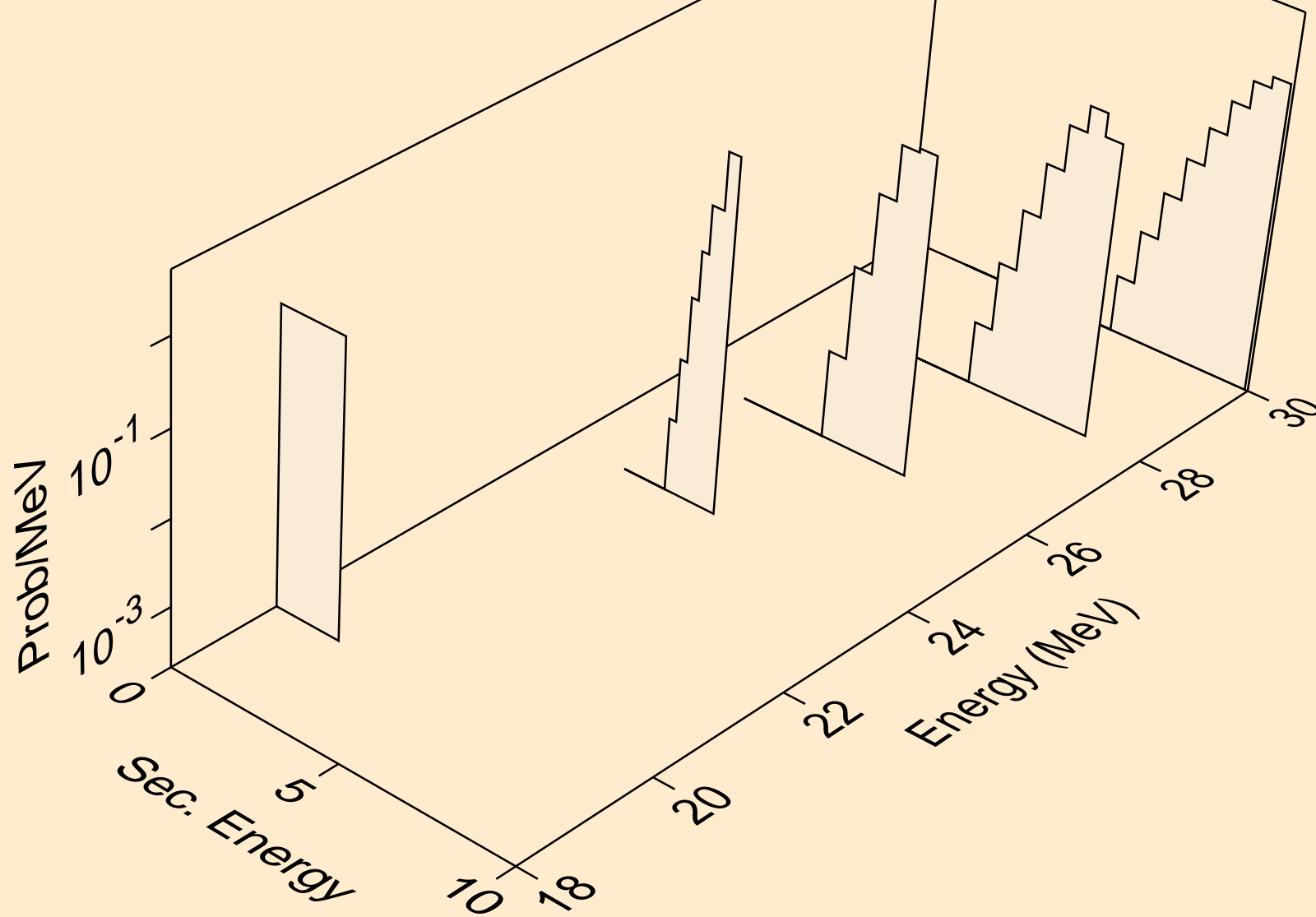
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,pt)



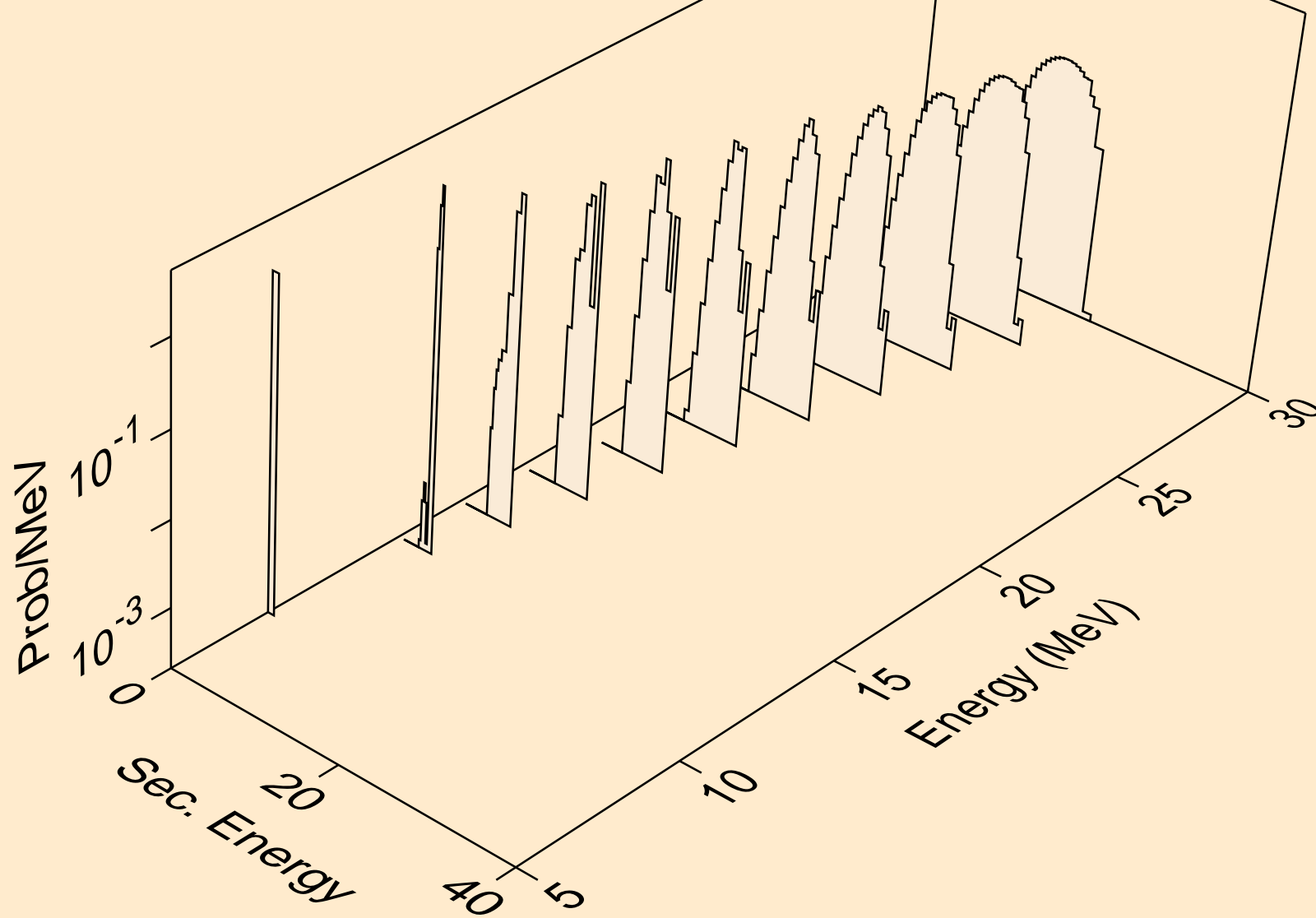
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,x)



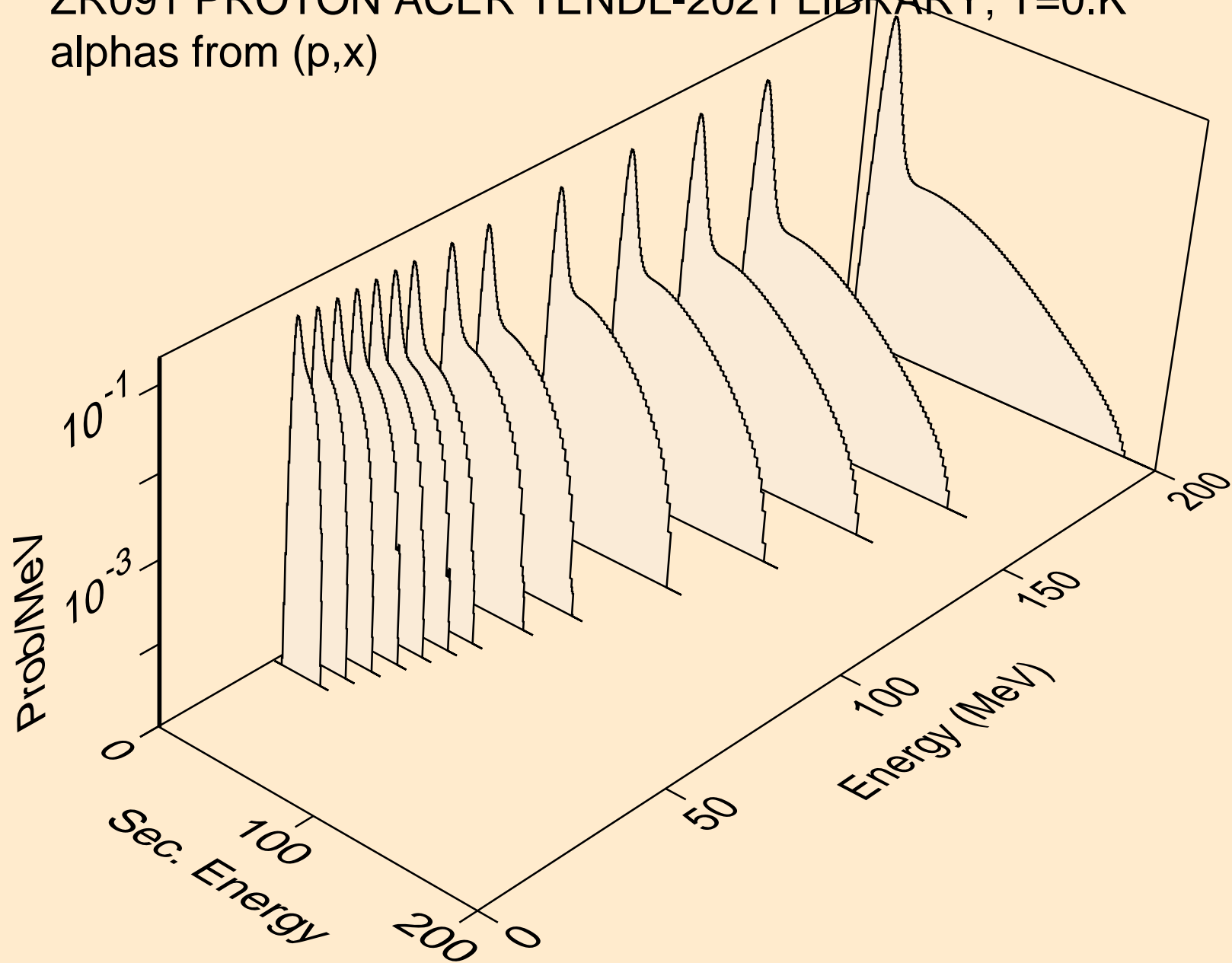
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,n\*)he3



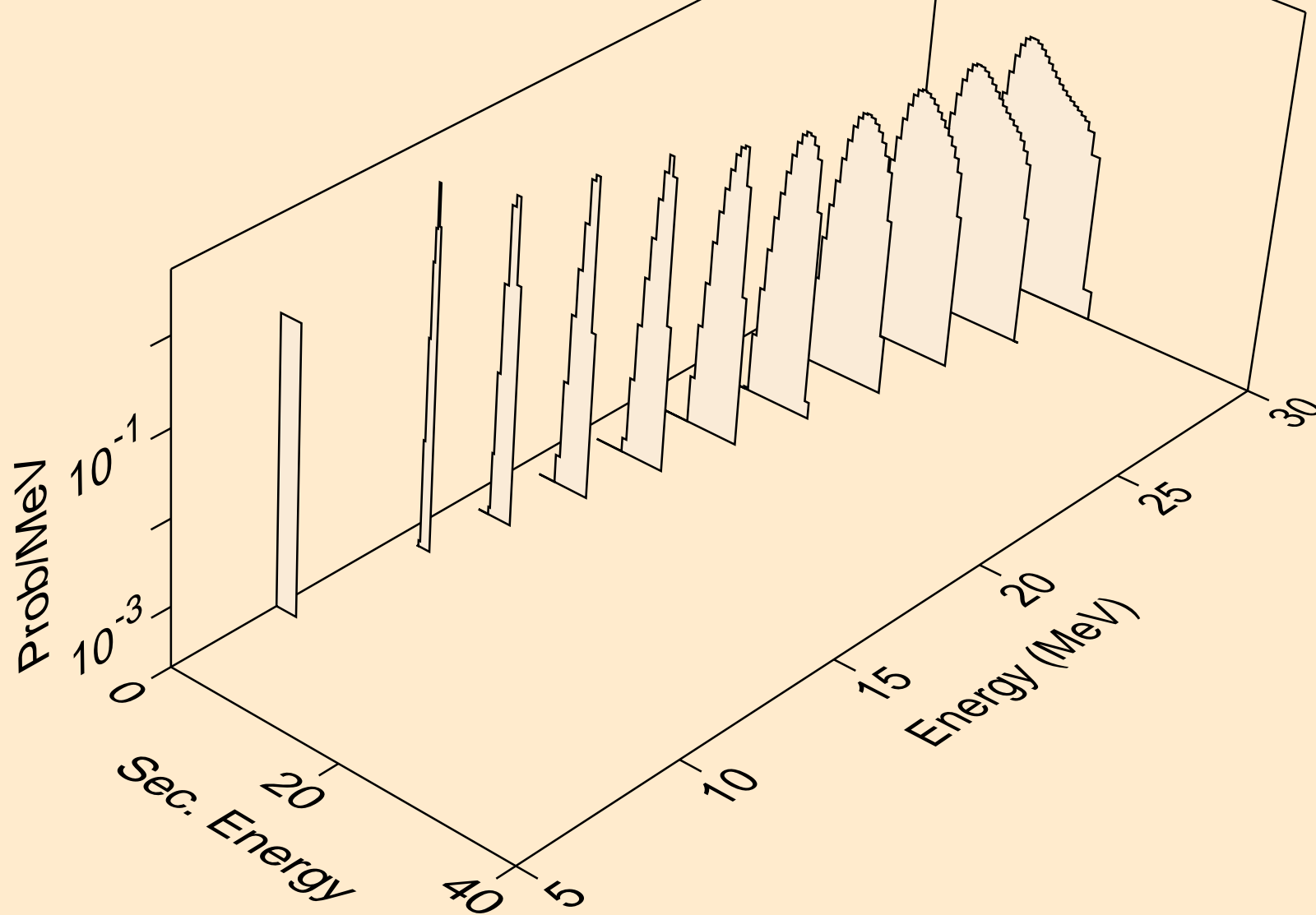
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,he3)



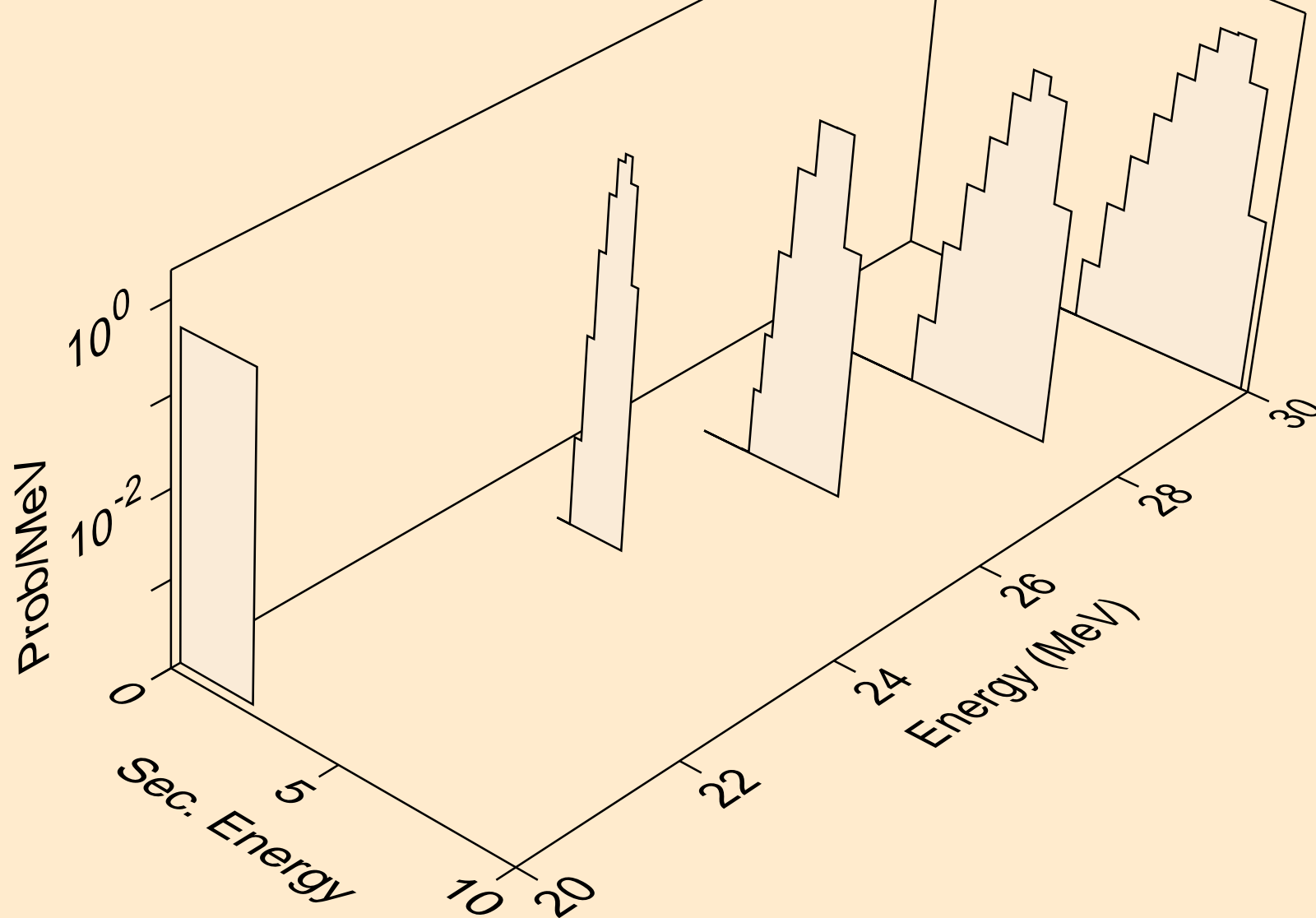
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,x)



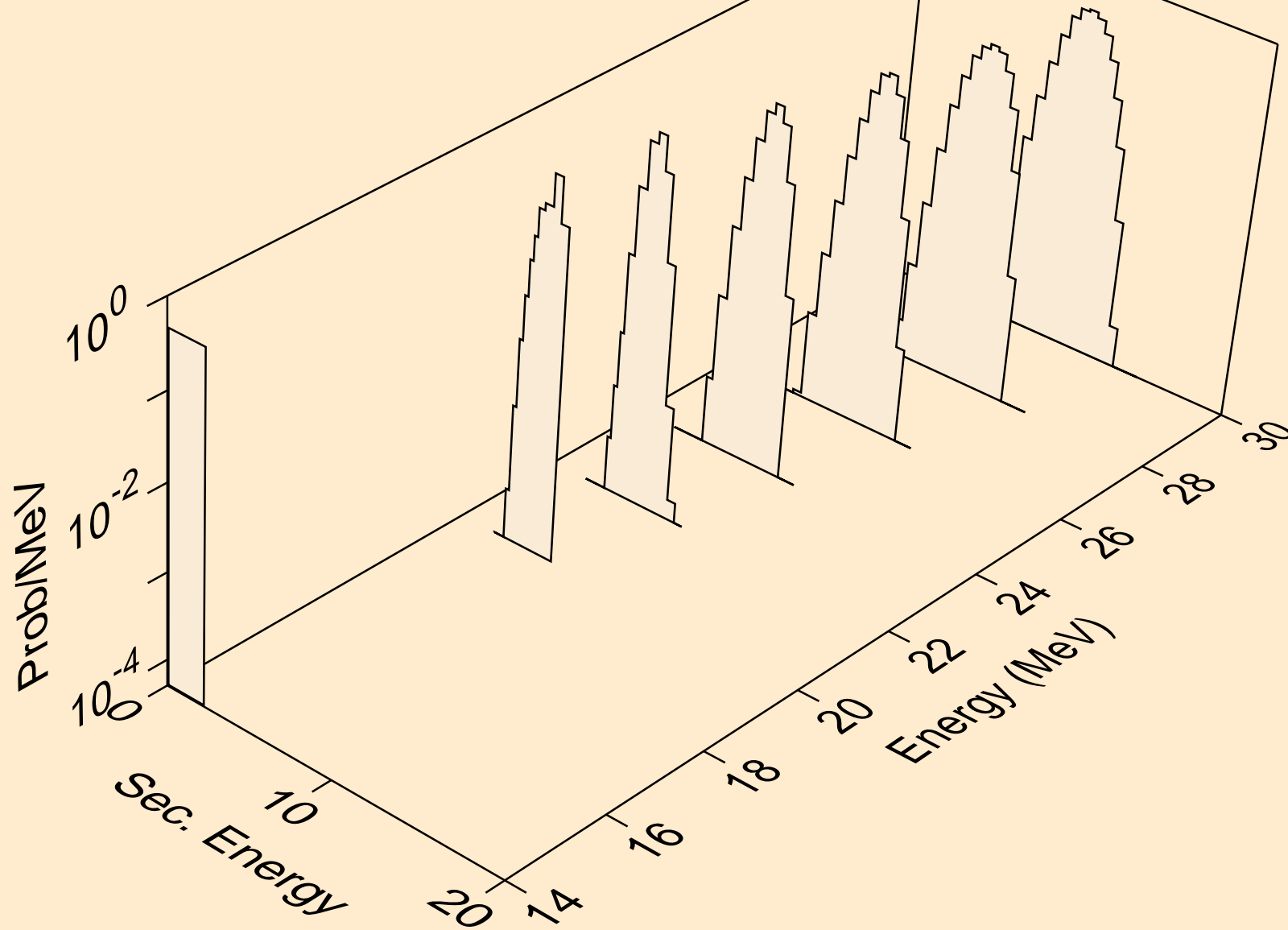
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)a



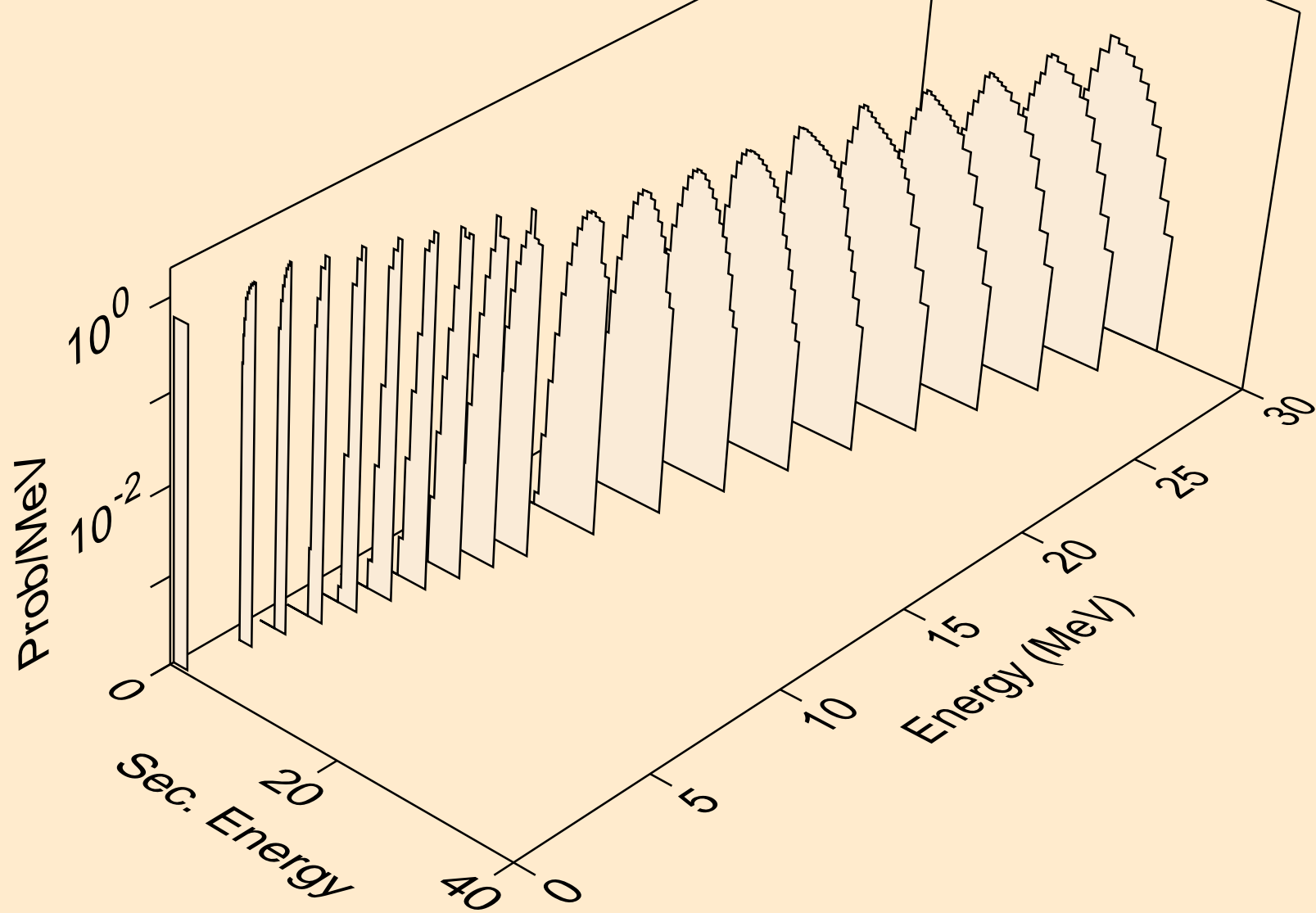
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2n)a



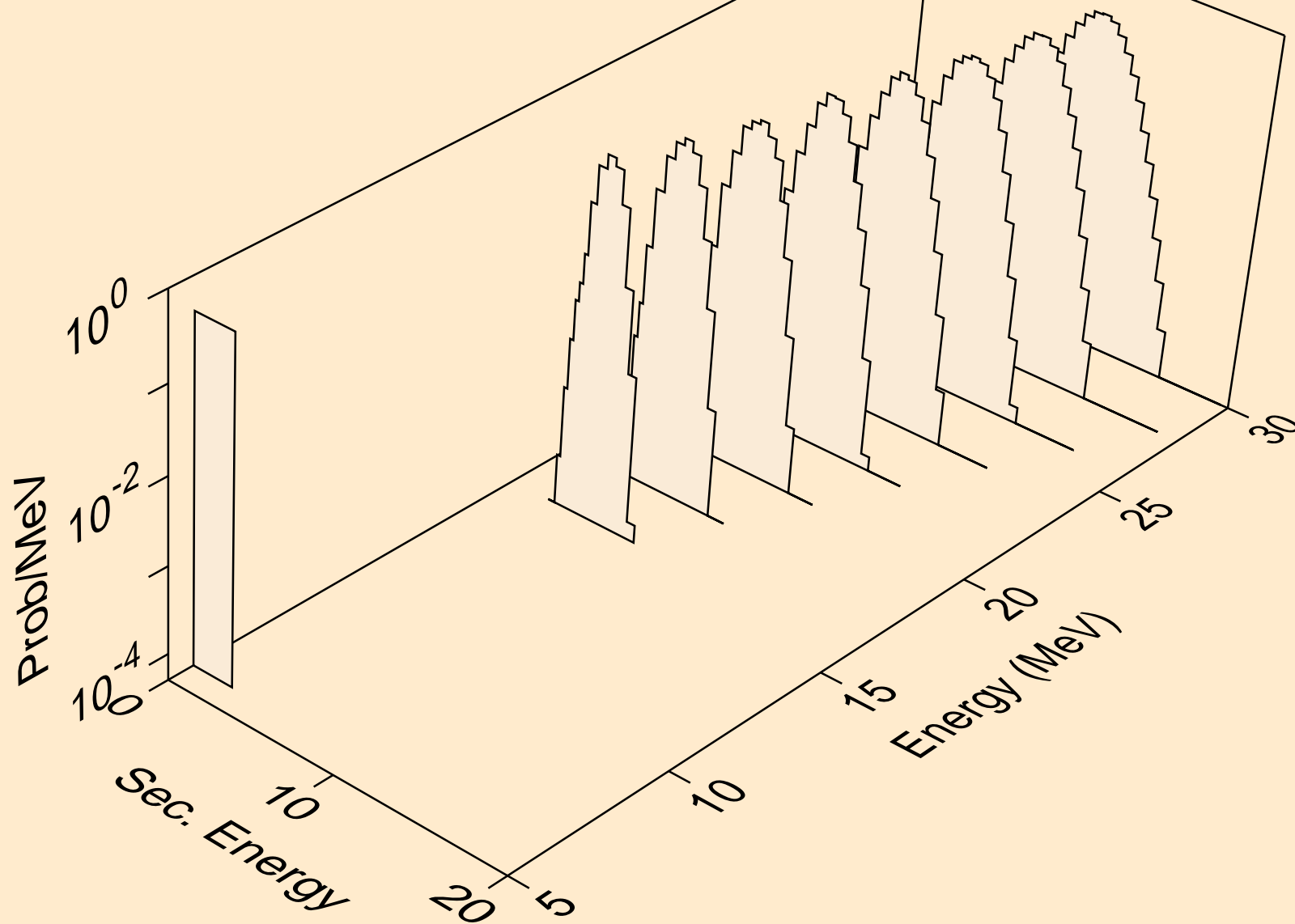
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,npa)



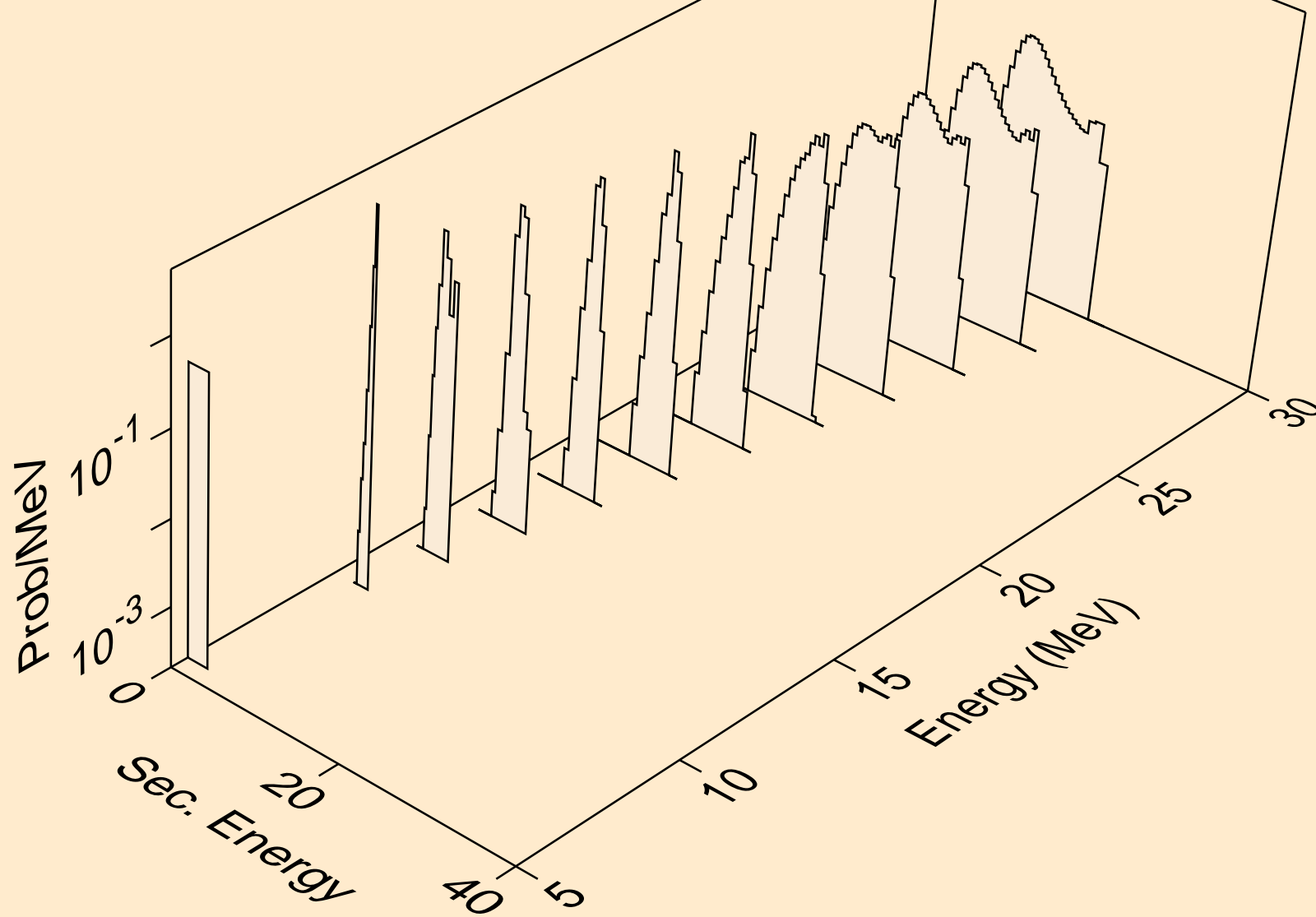
ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,a)



ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2a)



ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,pa)



ZR091 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,da)

