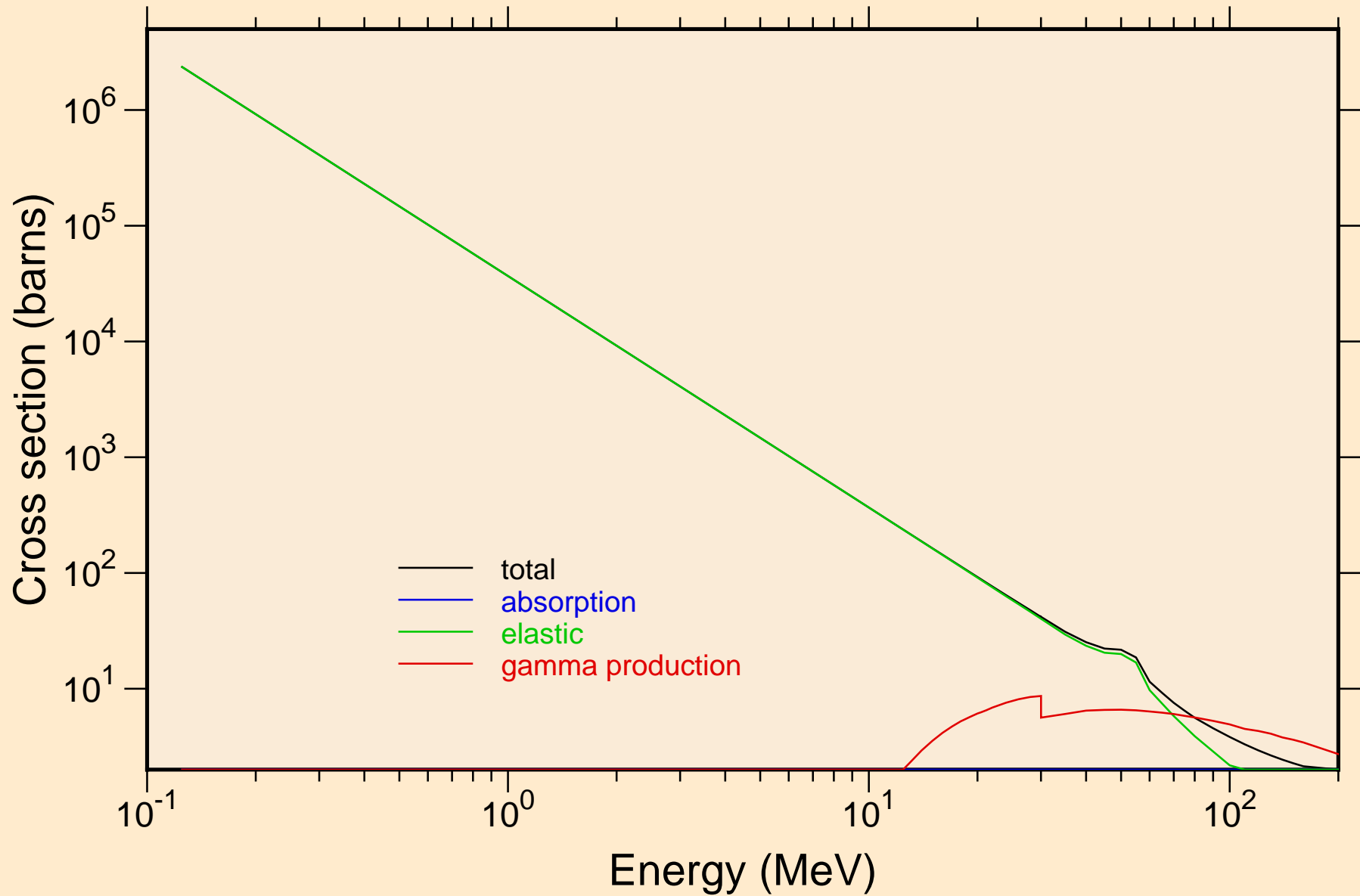


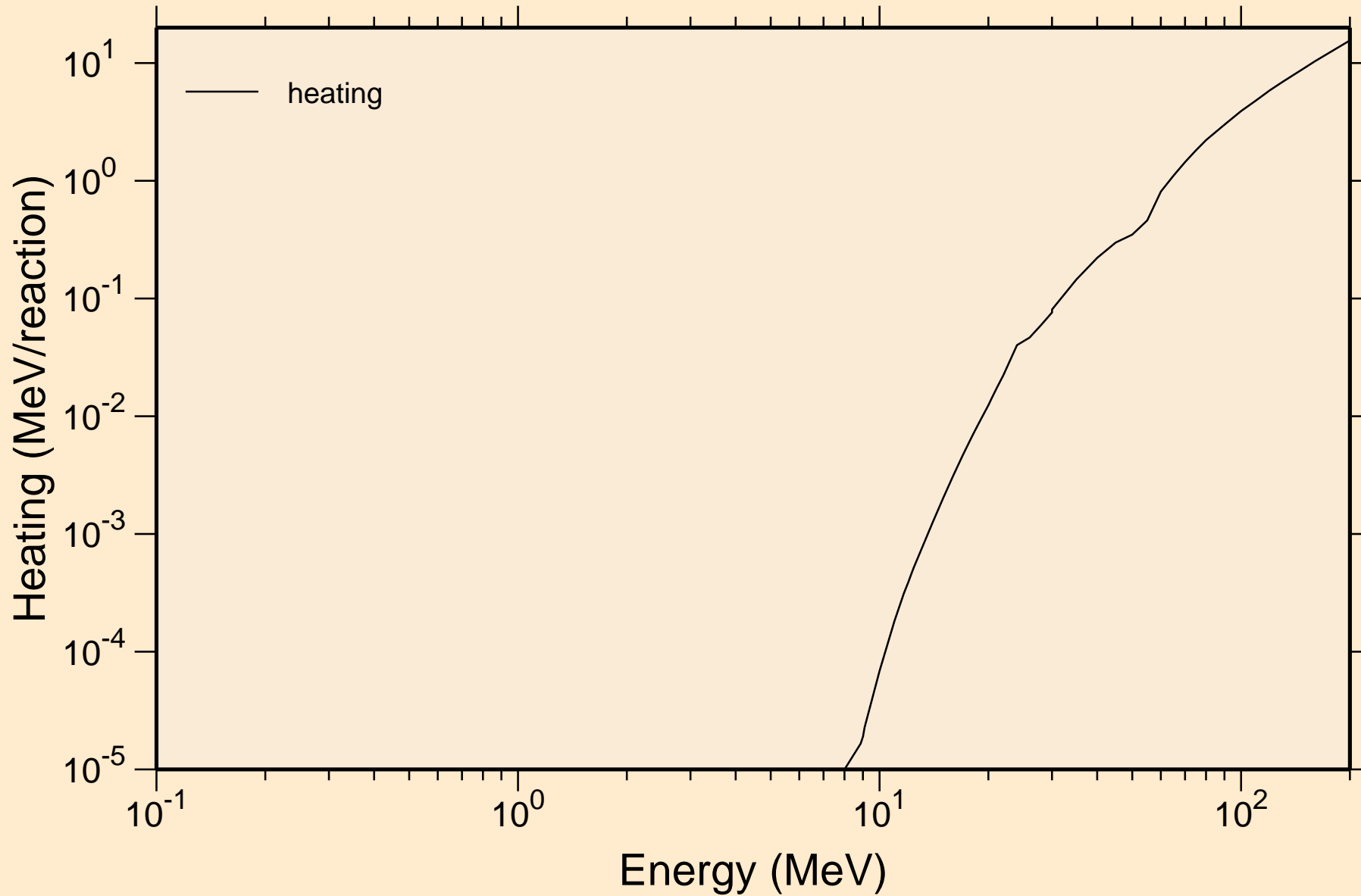
# IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



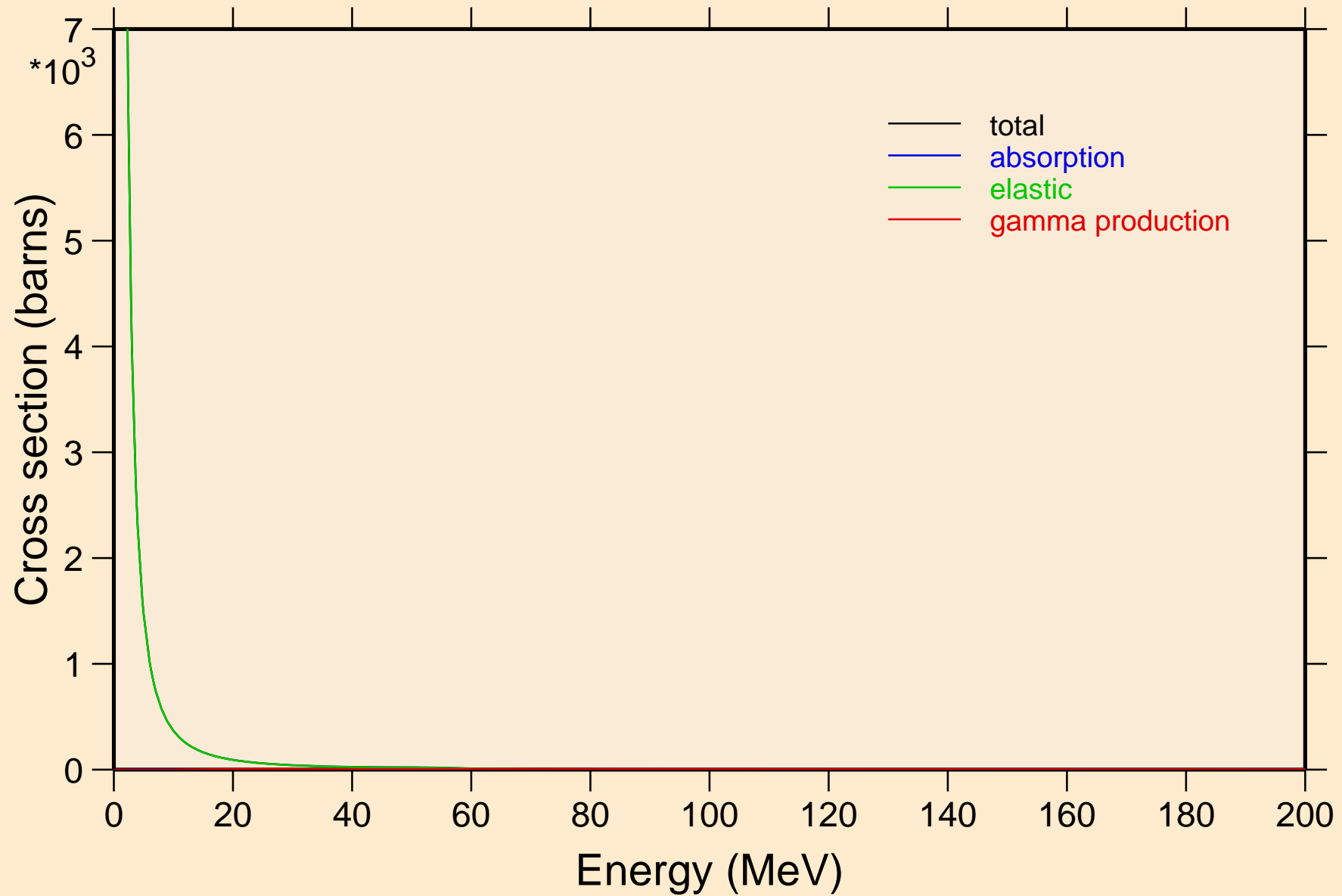
# IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



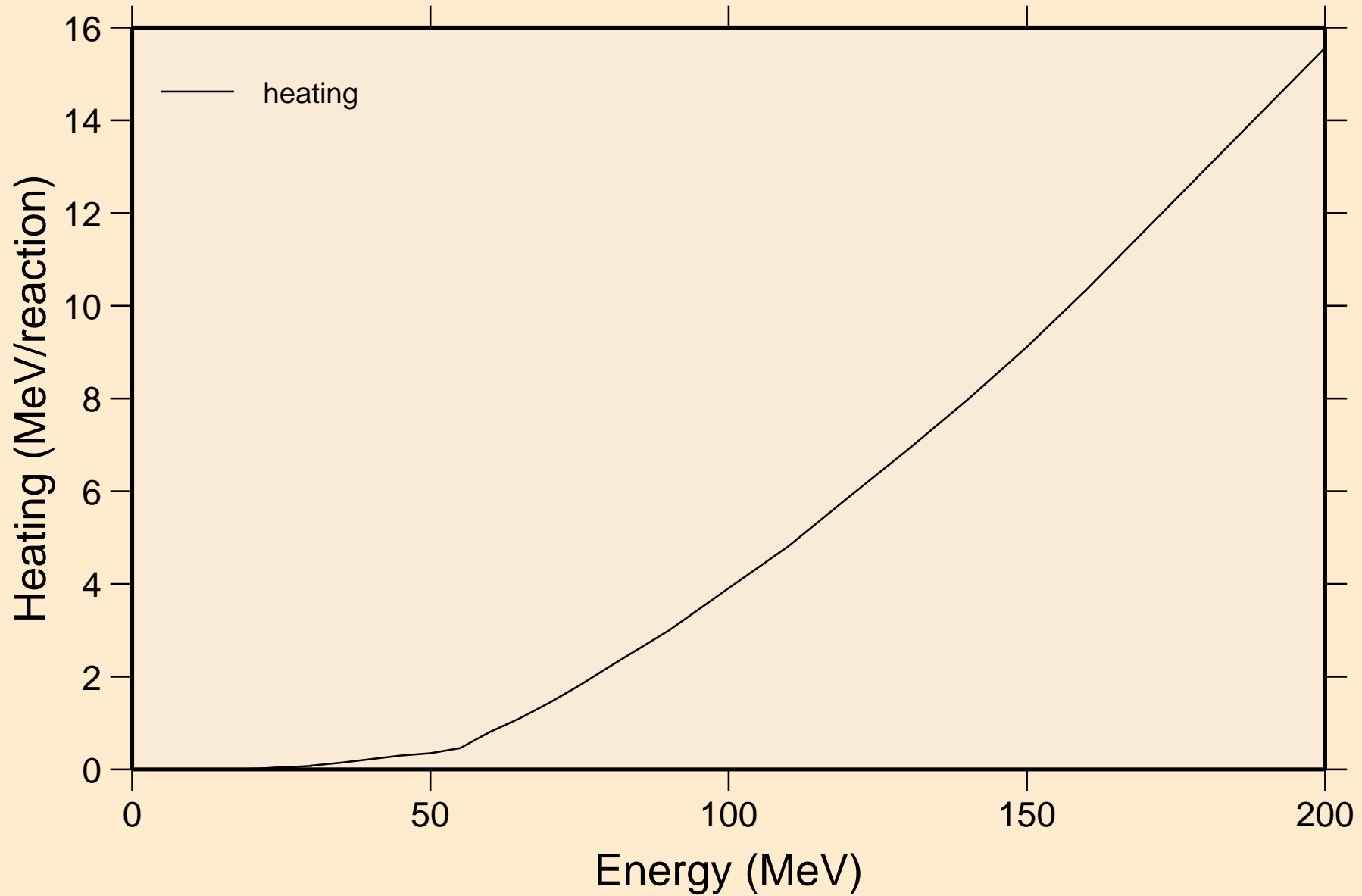
# IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

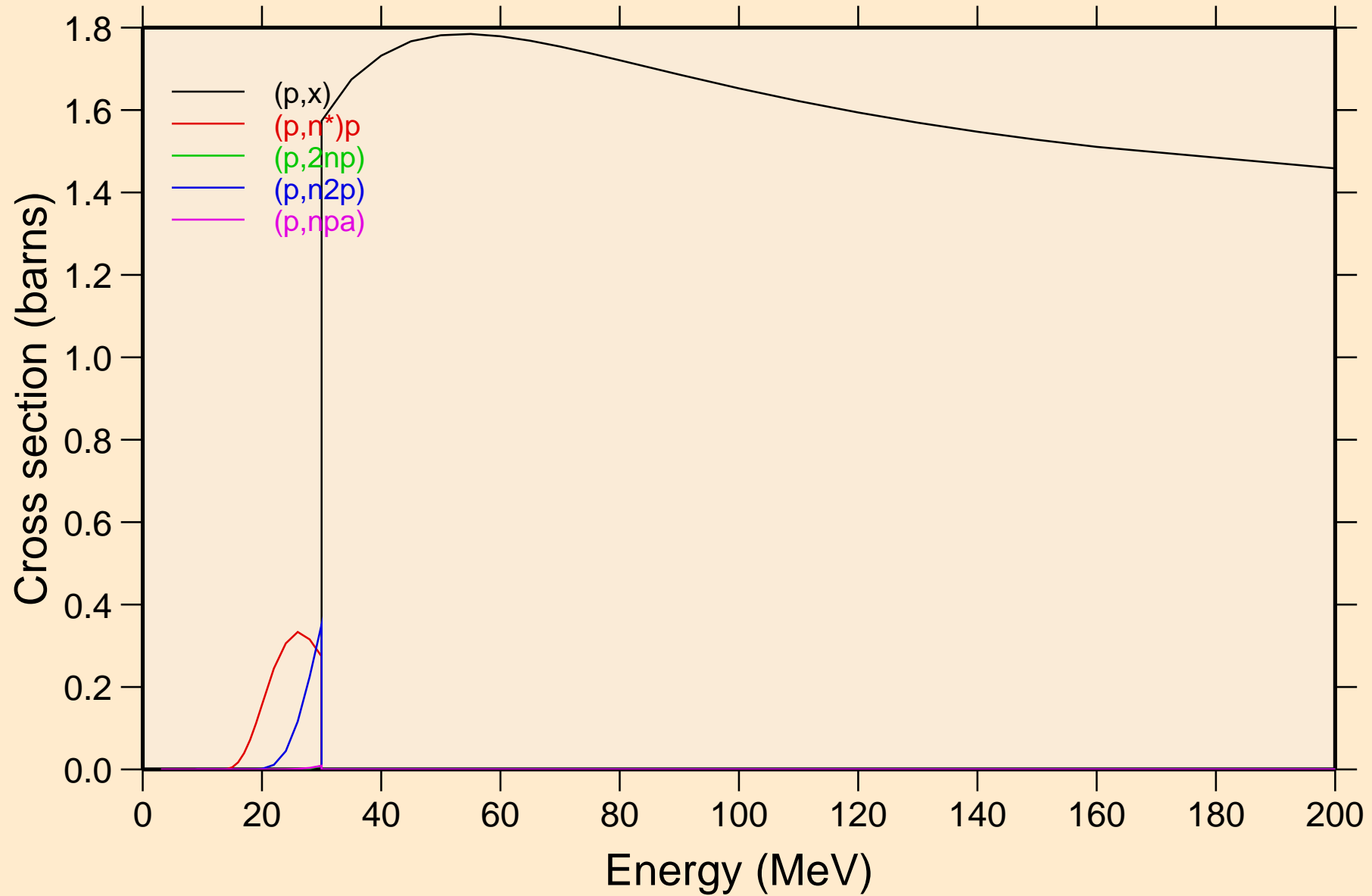


# IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K

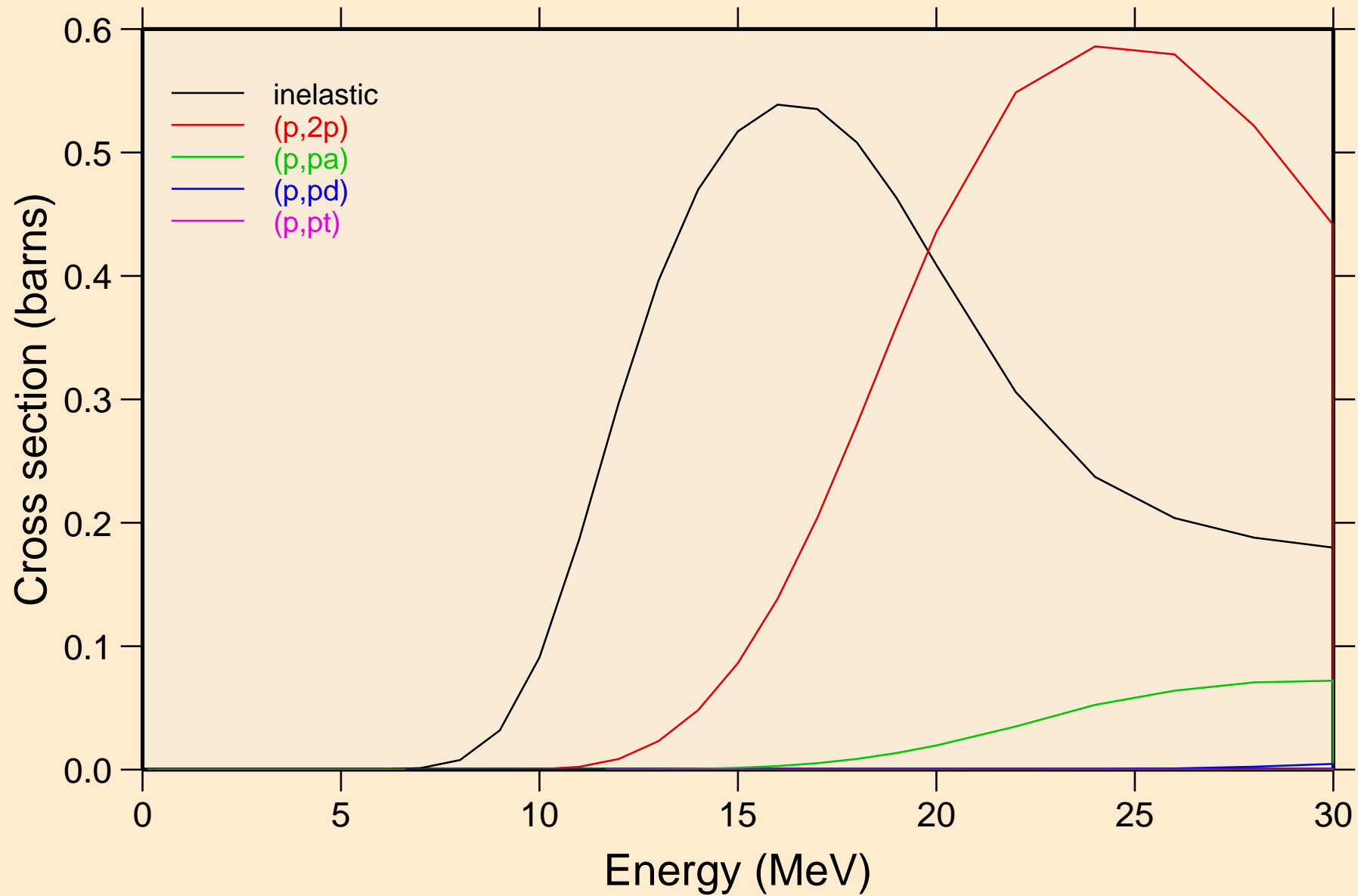
## Heating



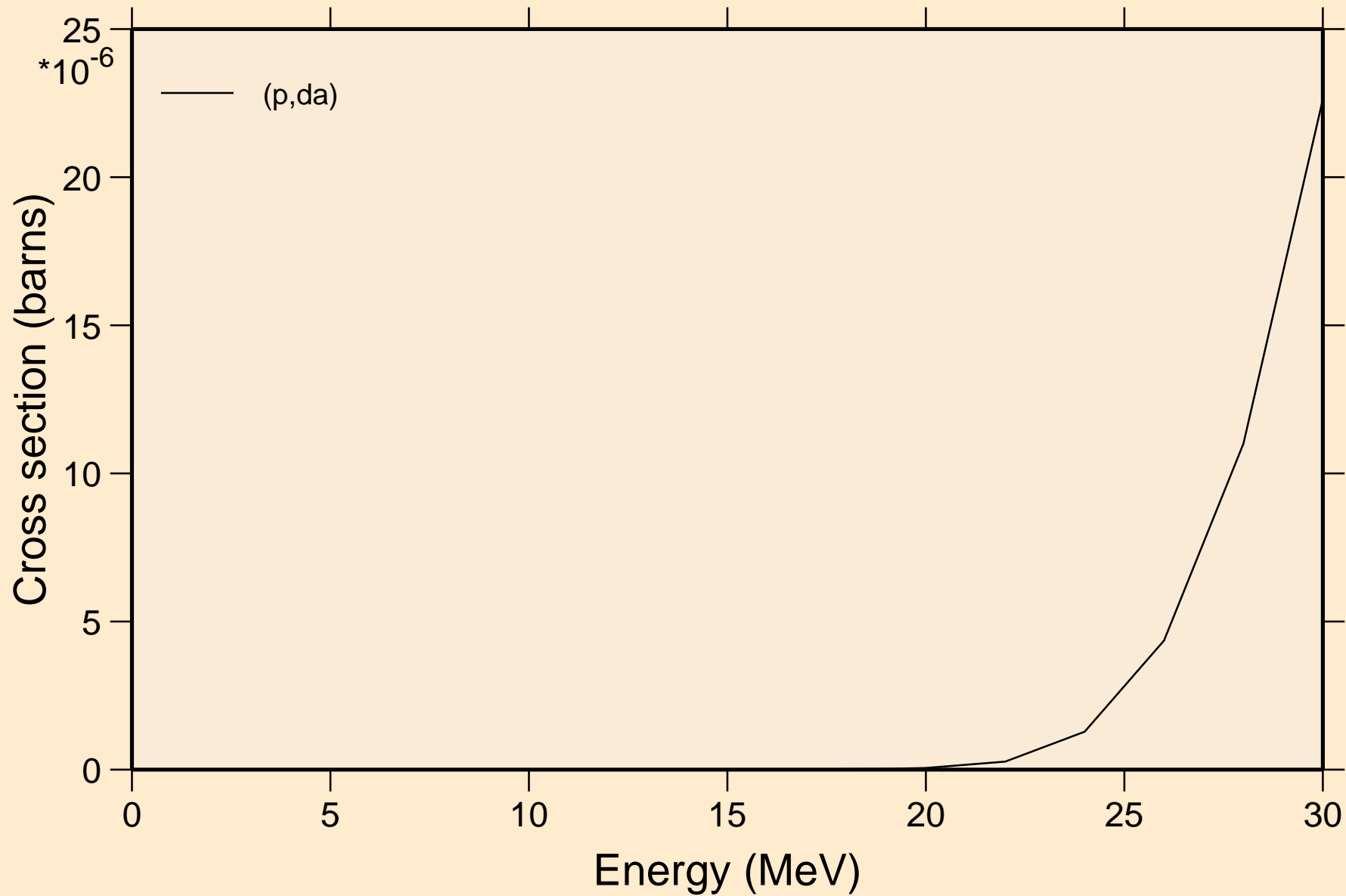
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



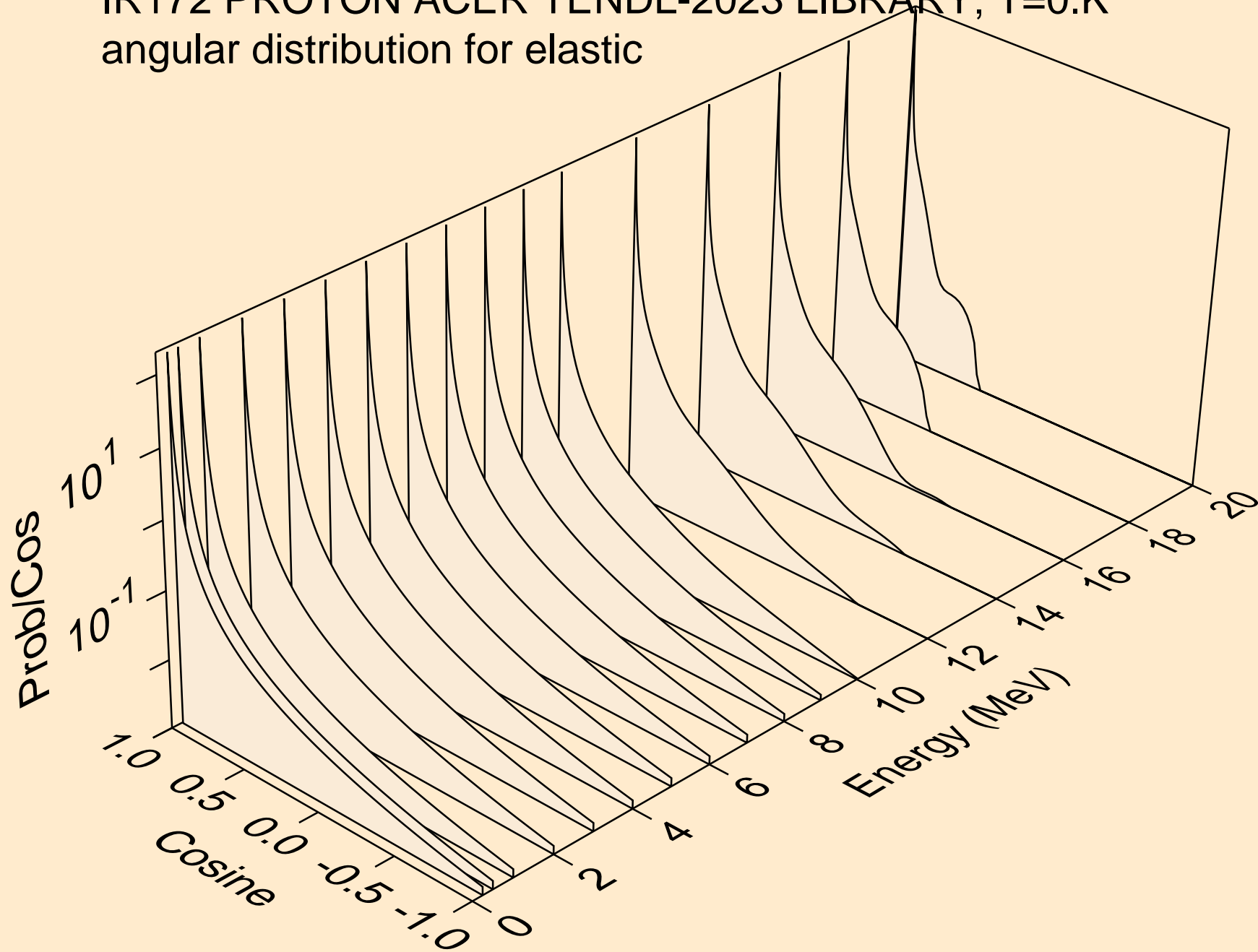
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

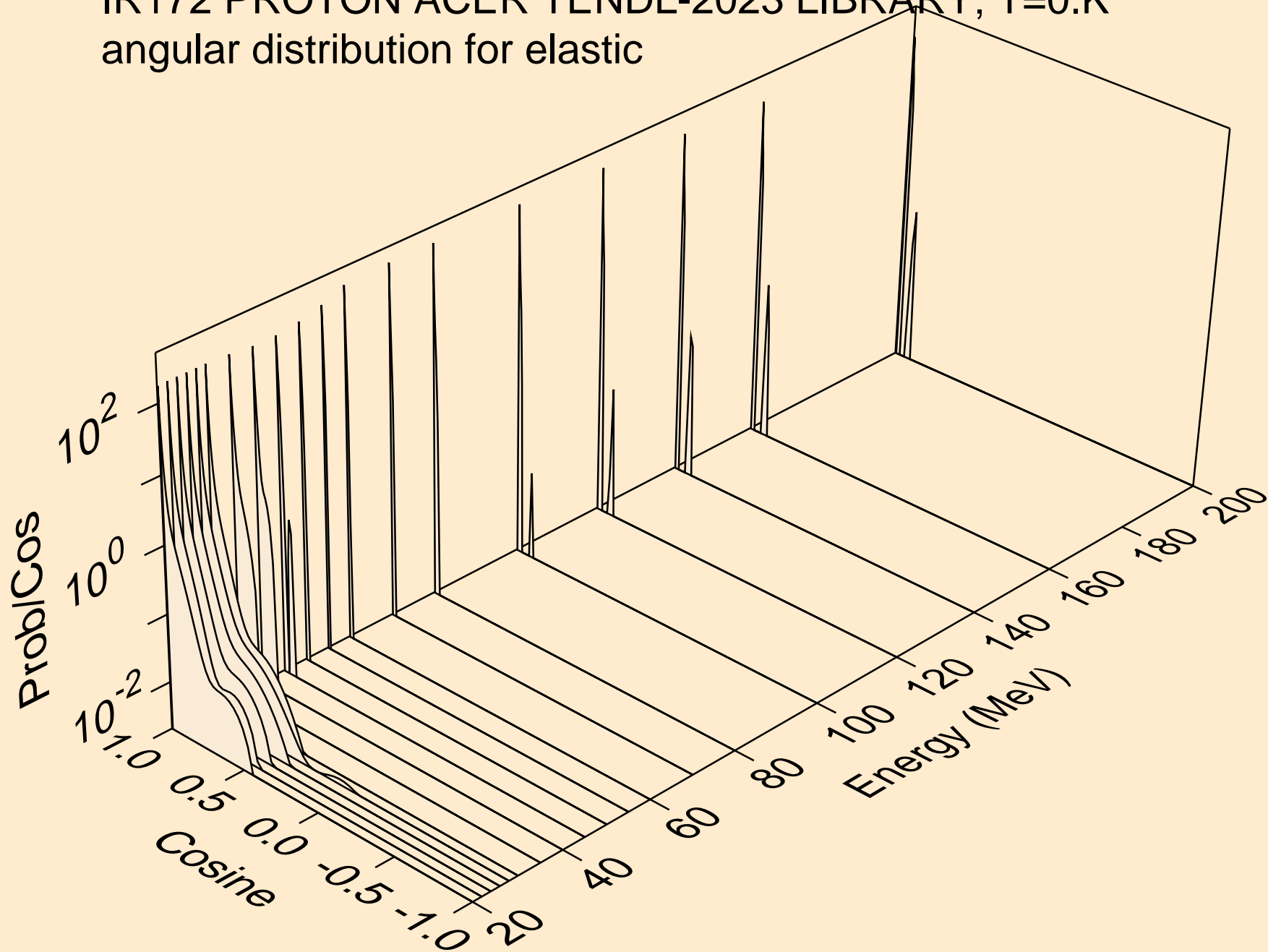


IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

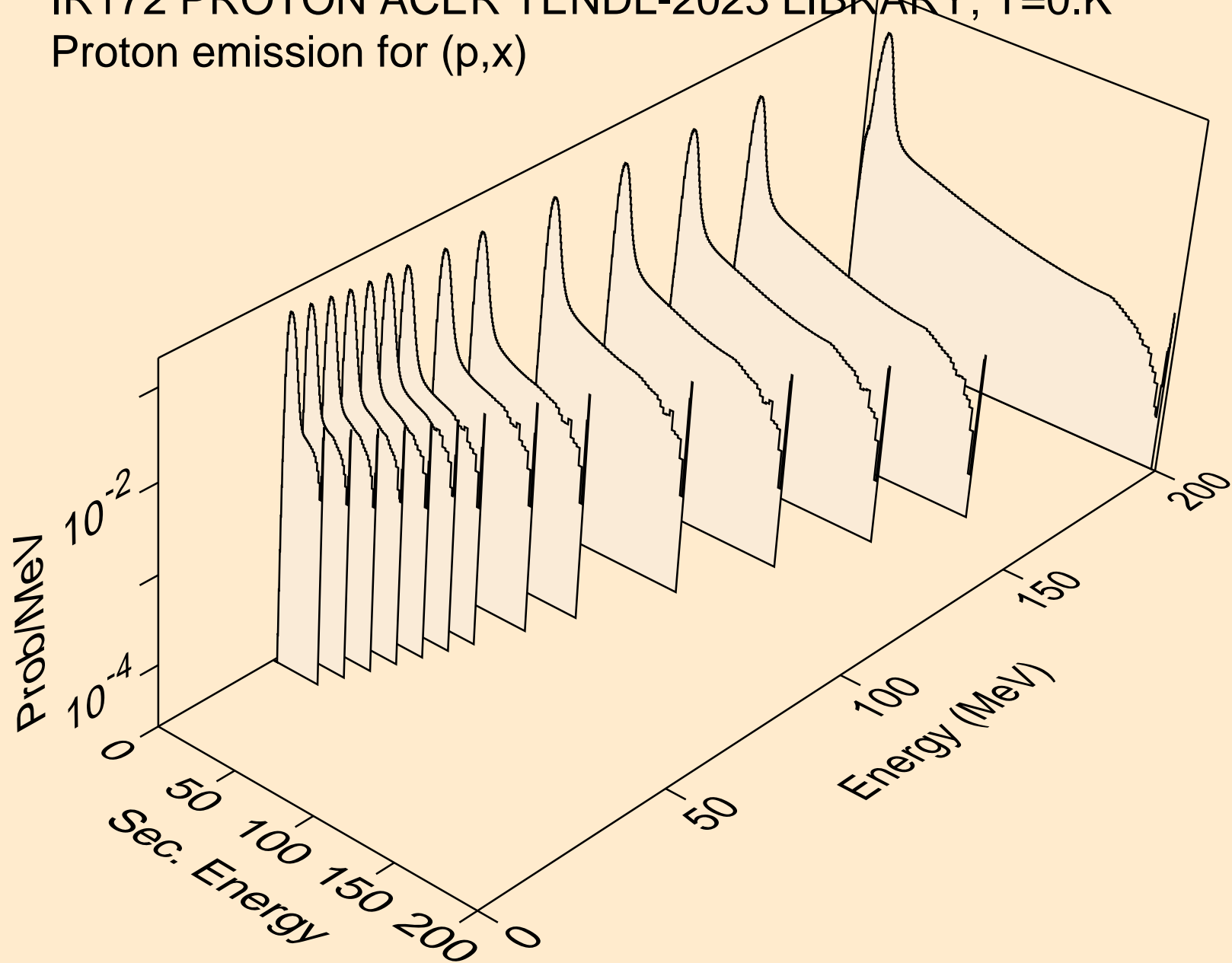




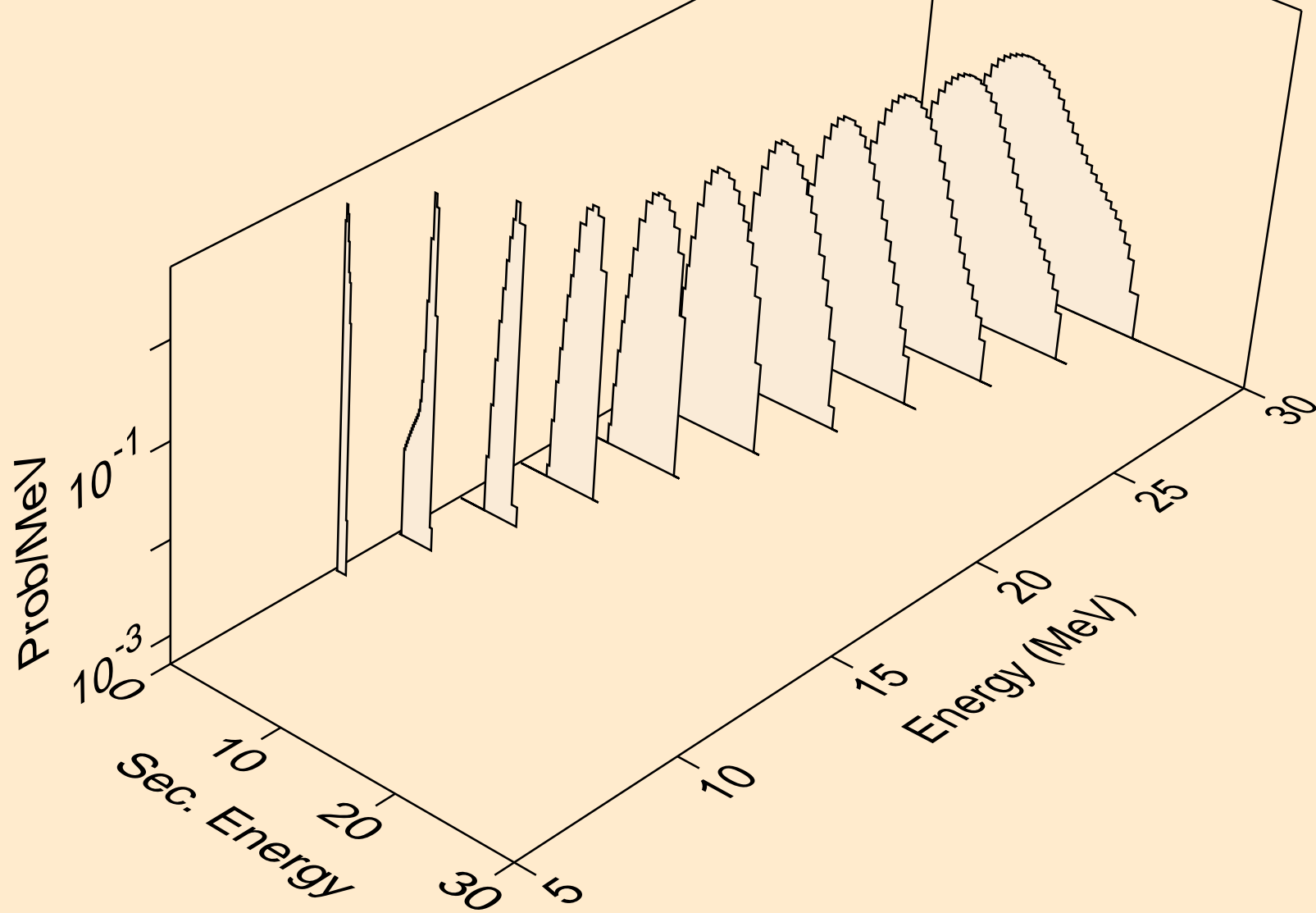
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



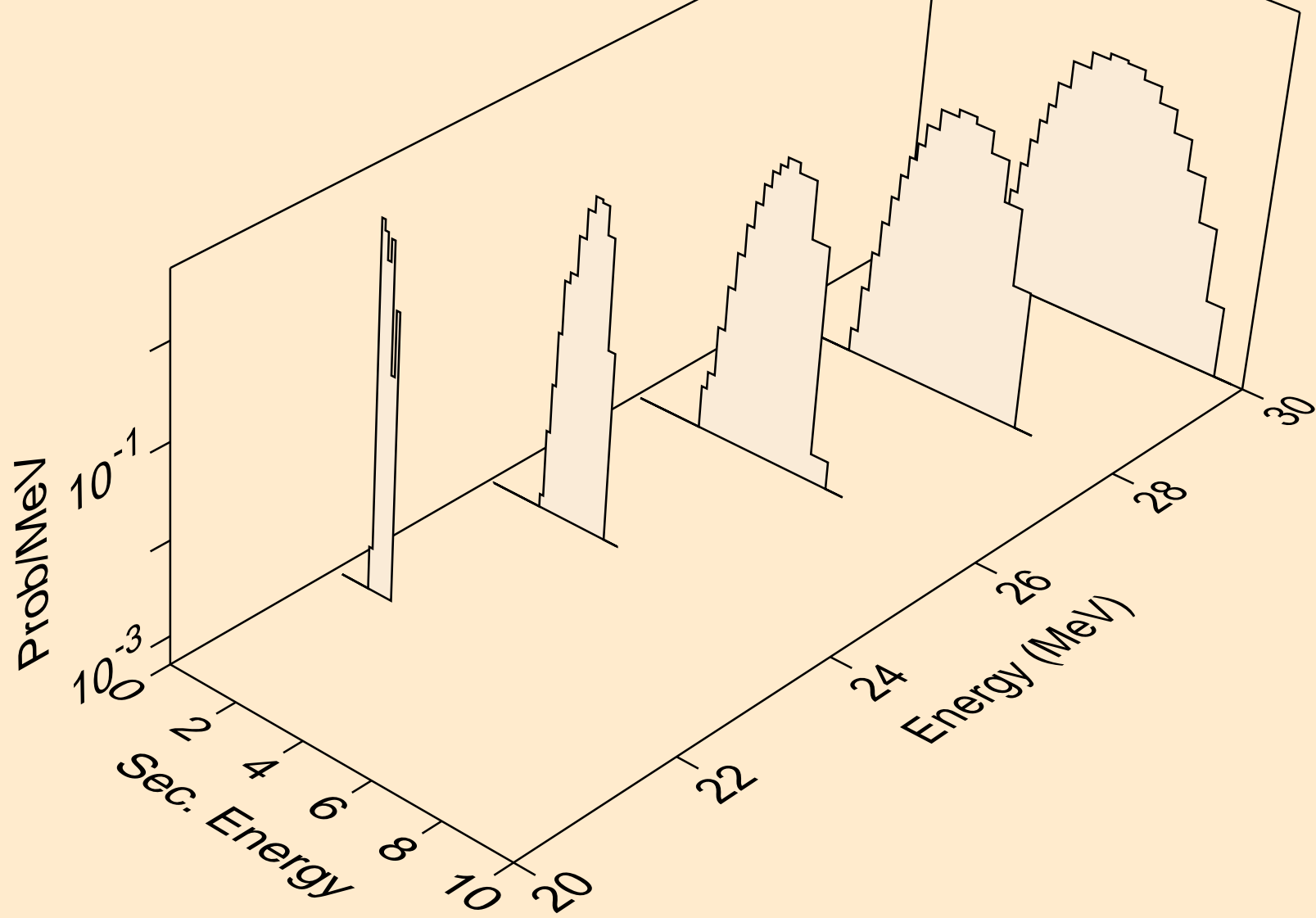
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



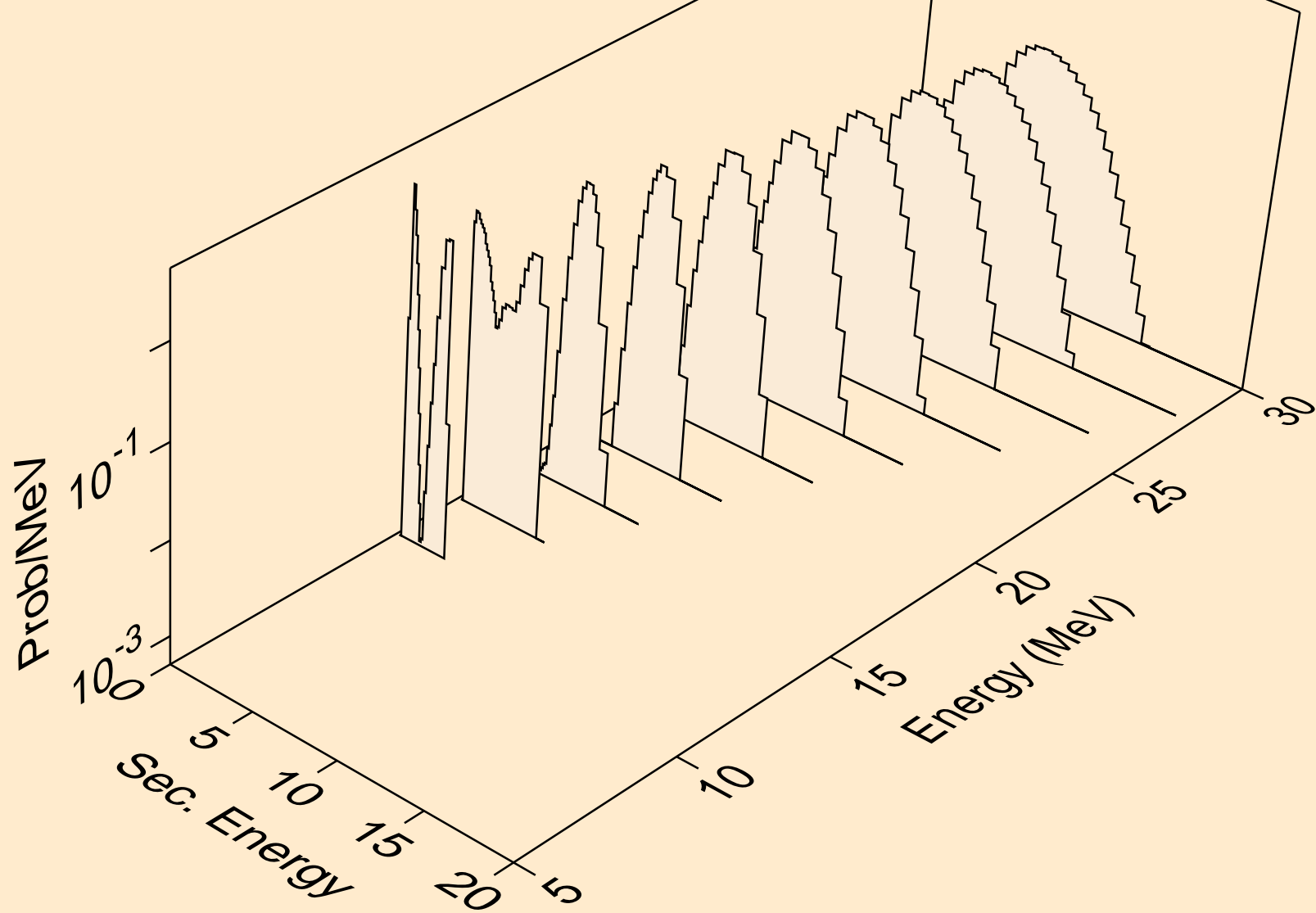
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



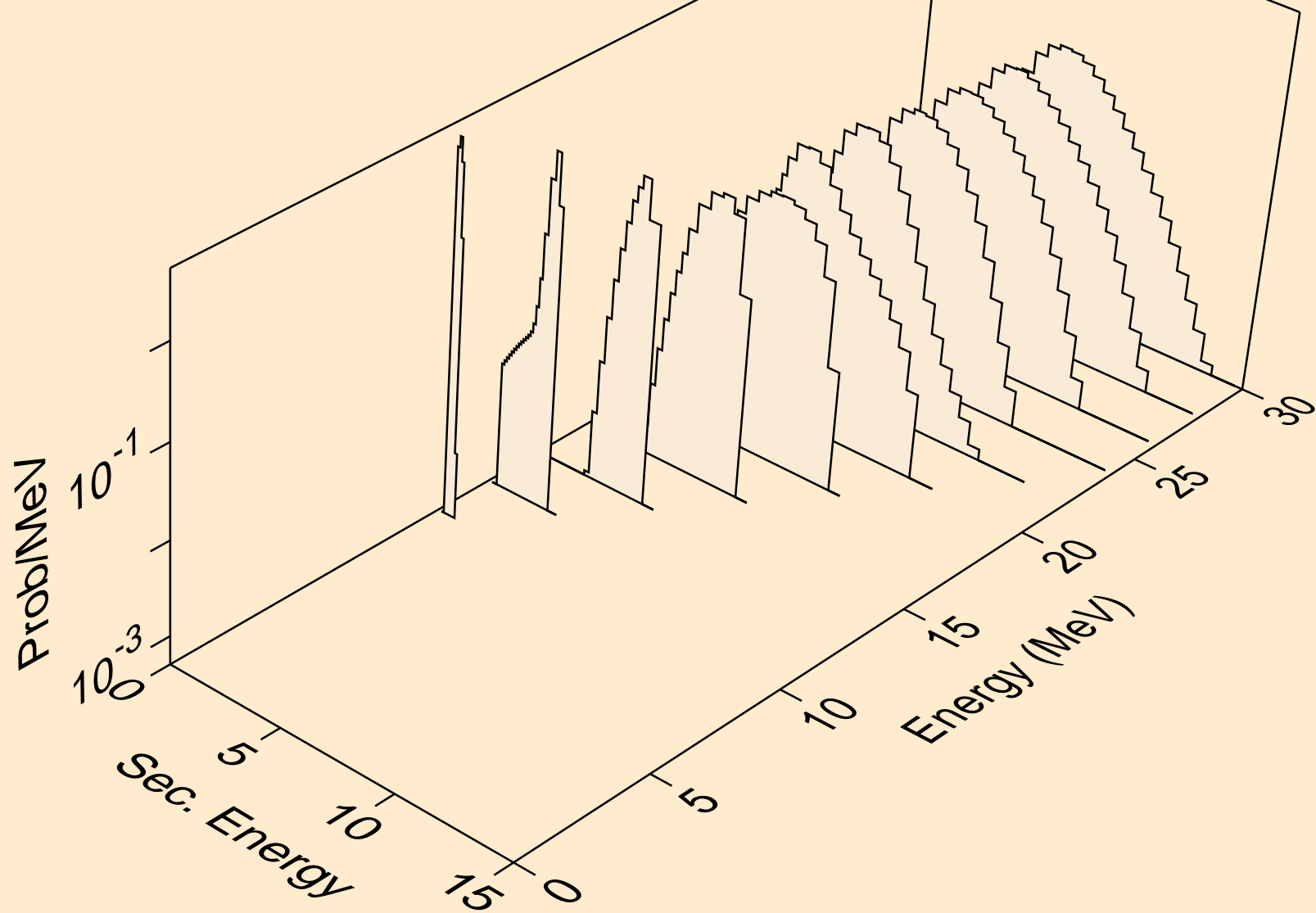
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



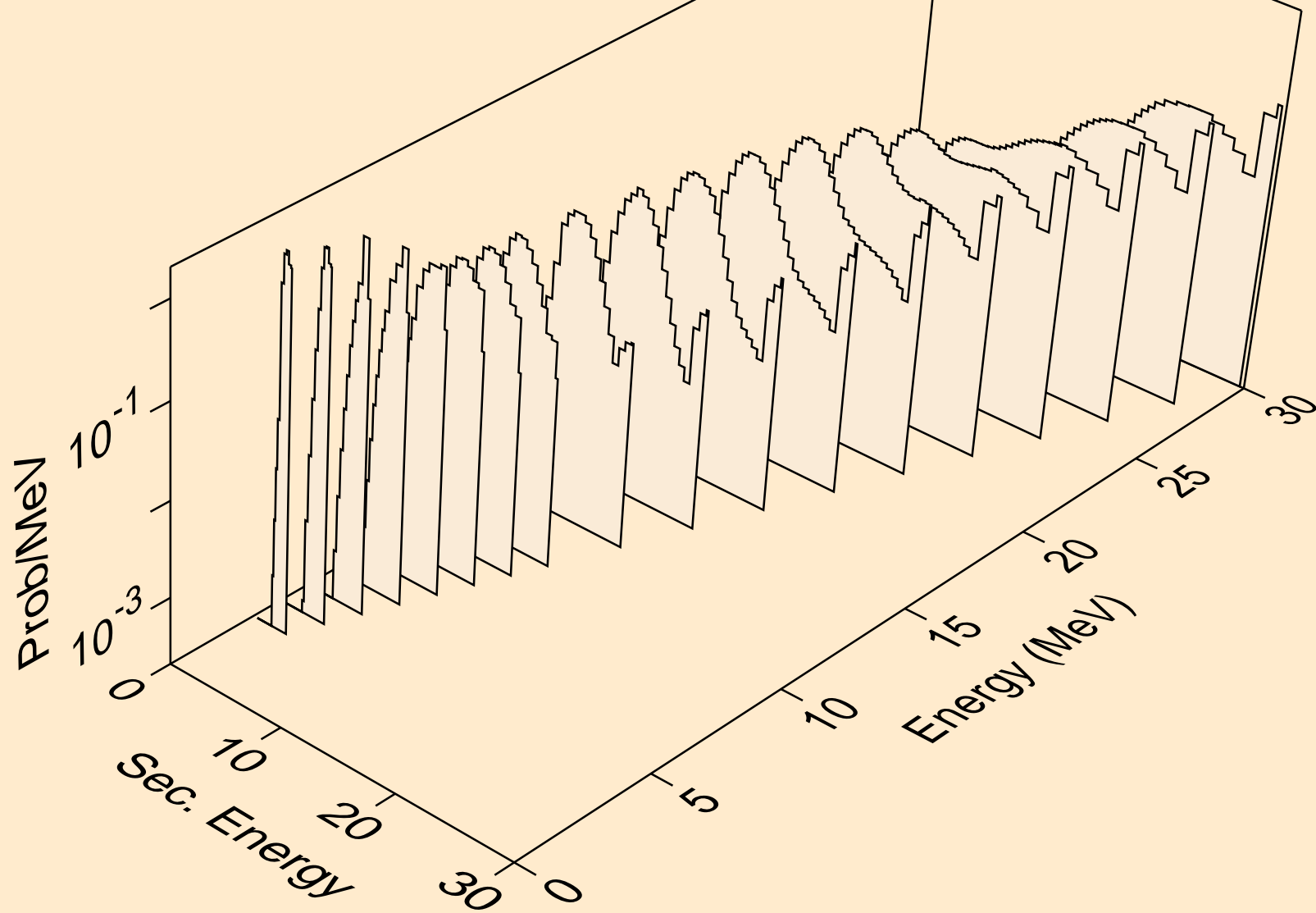
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)



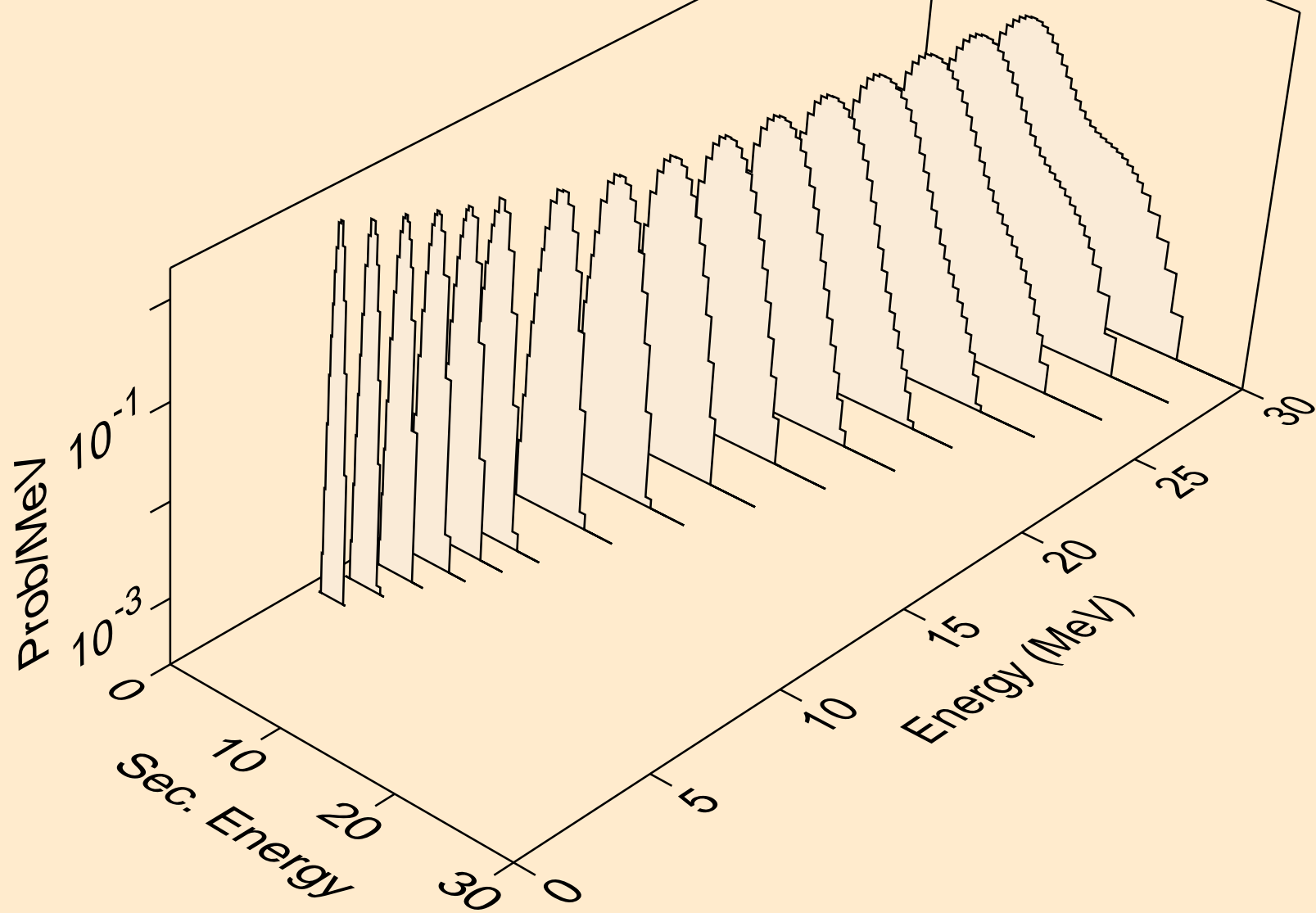
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,npa)



IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

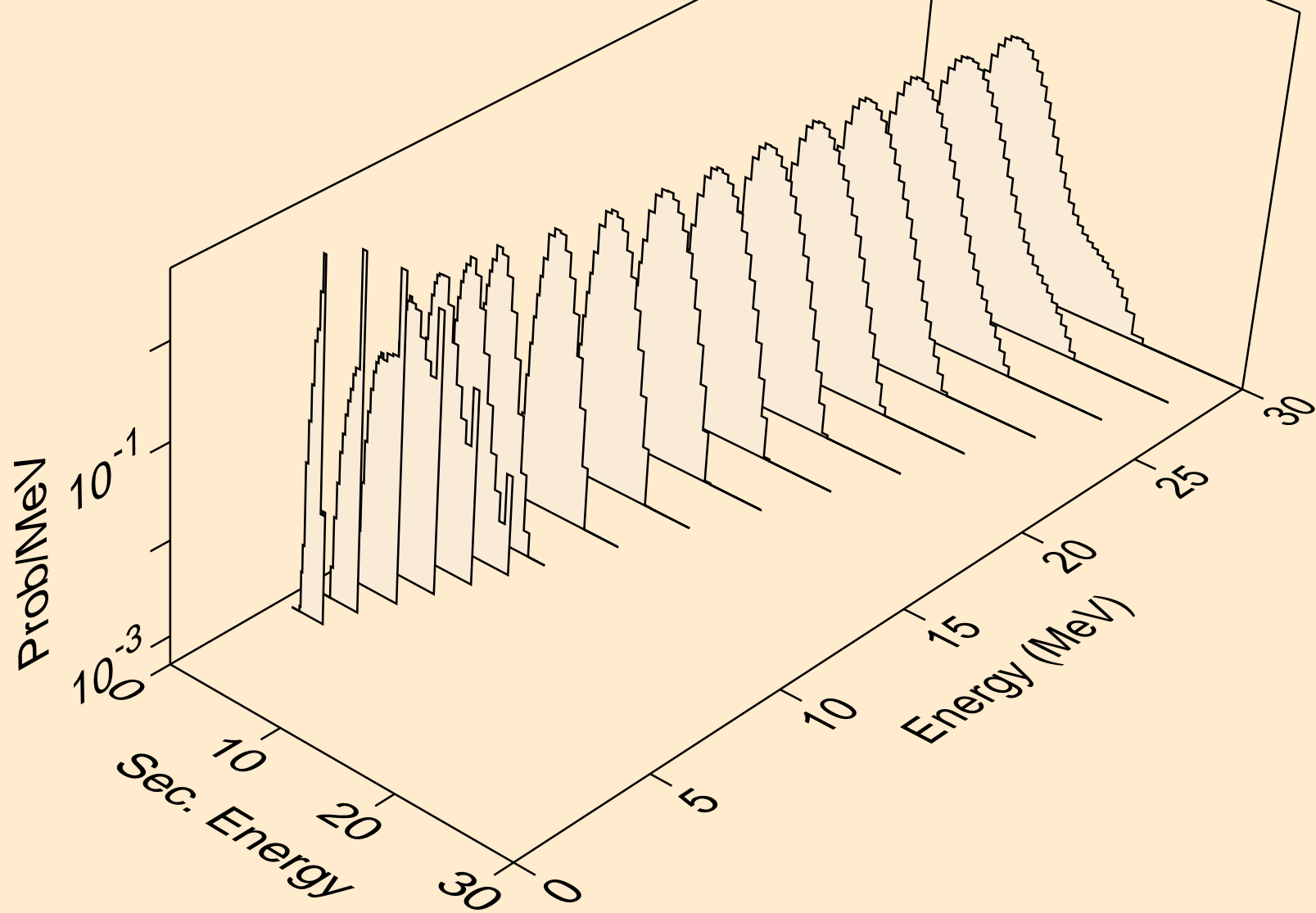


IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2p)

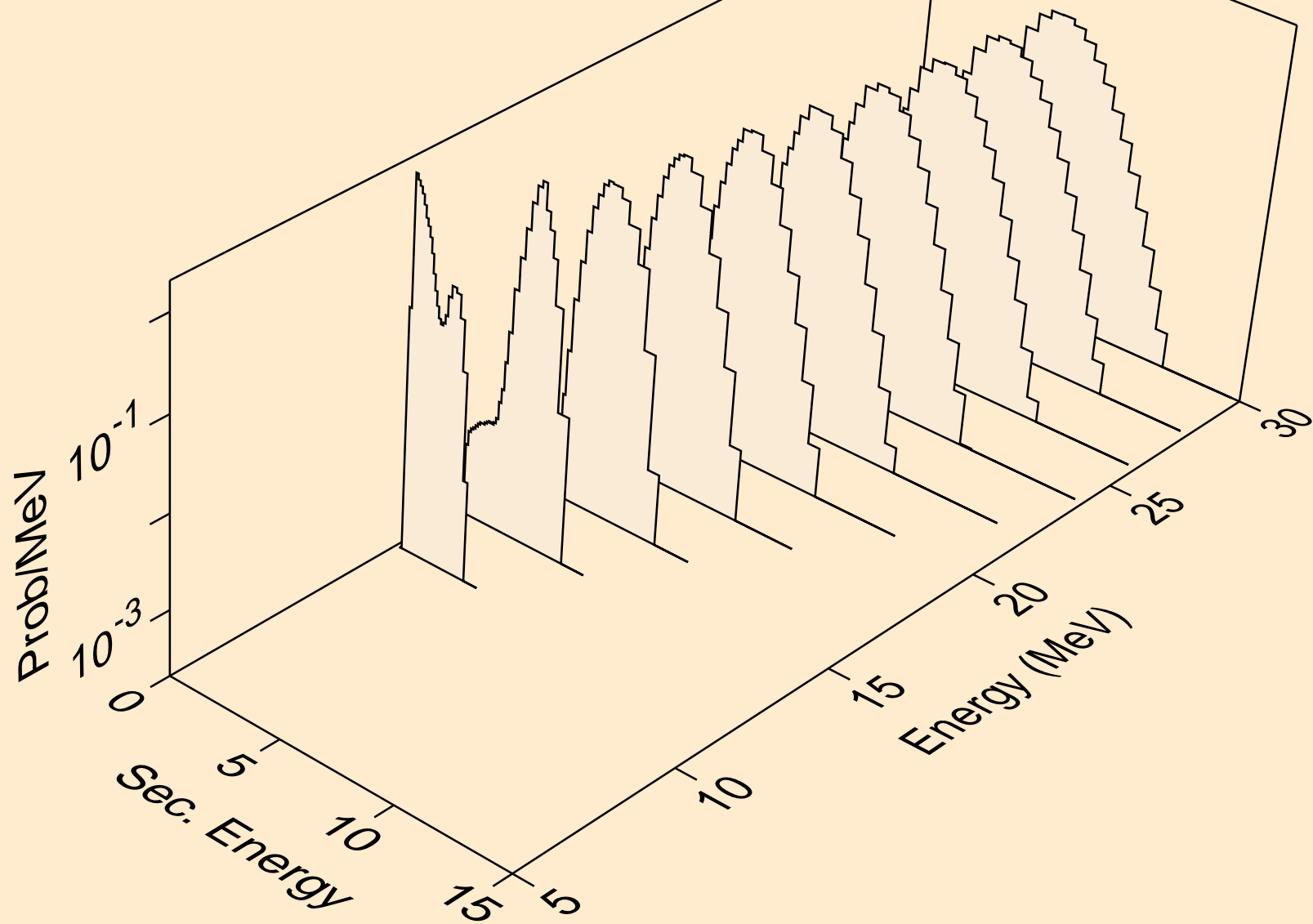




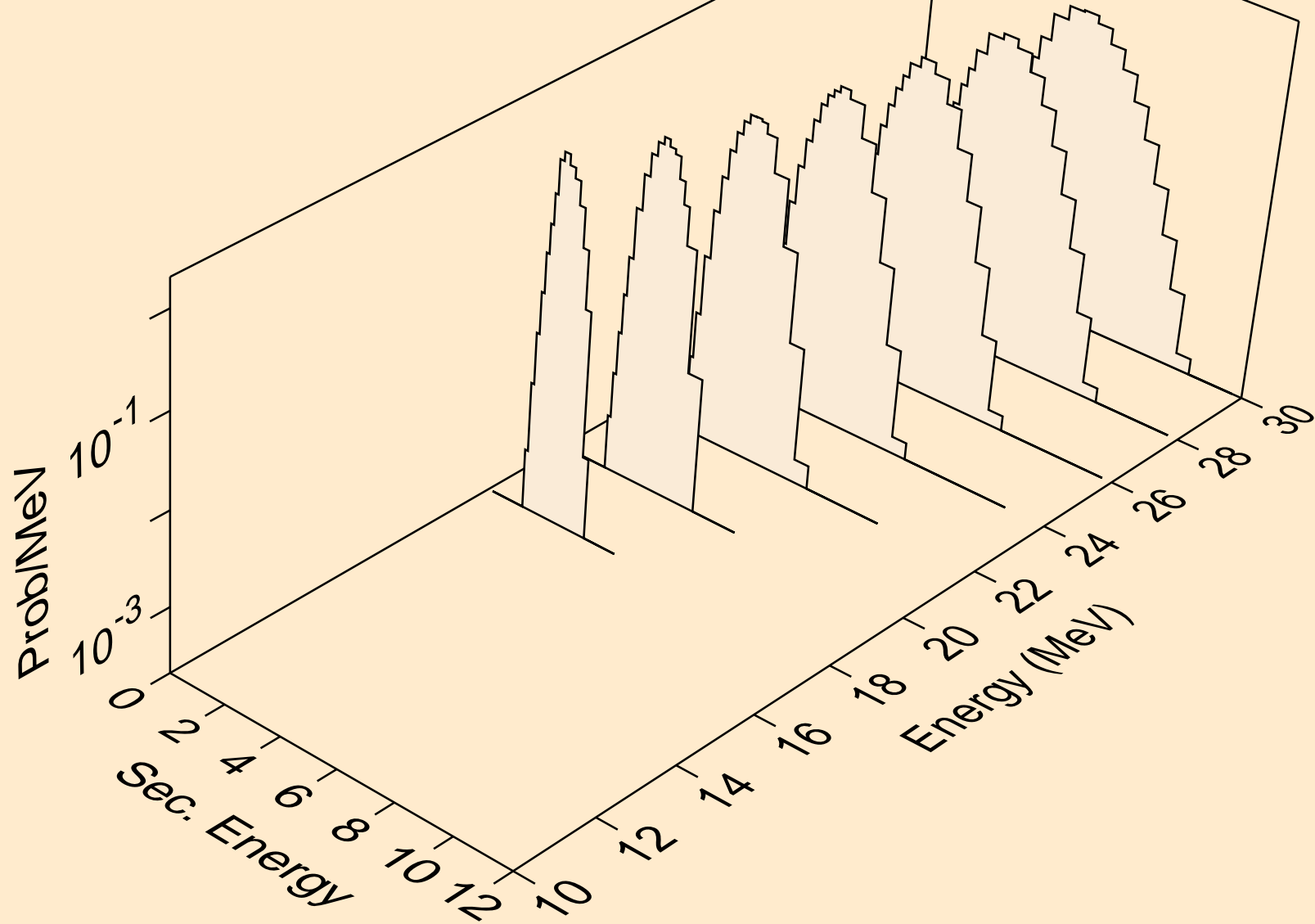
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pa)



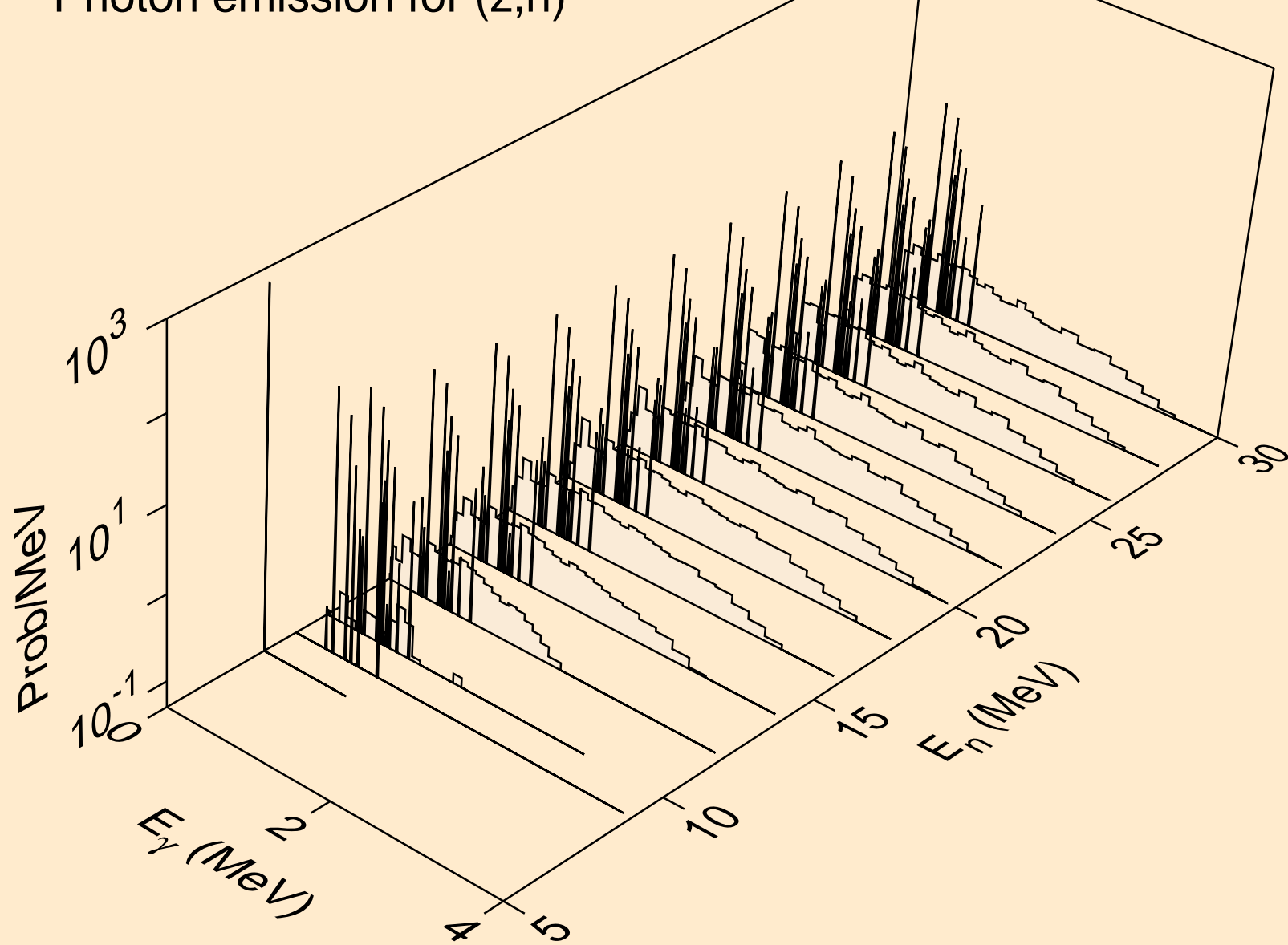
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pd)



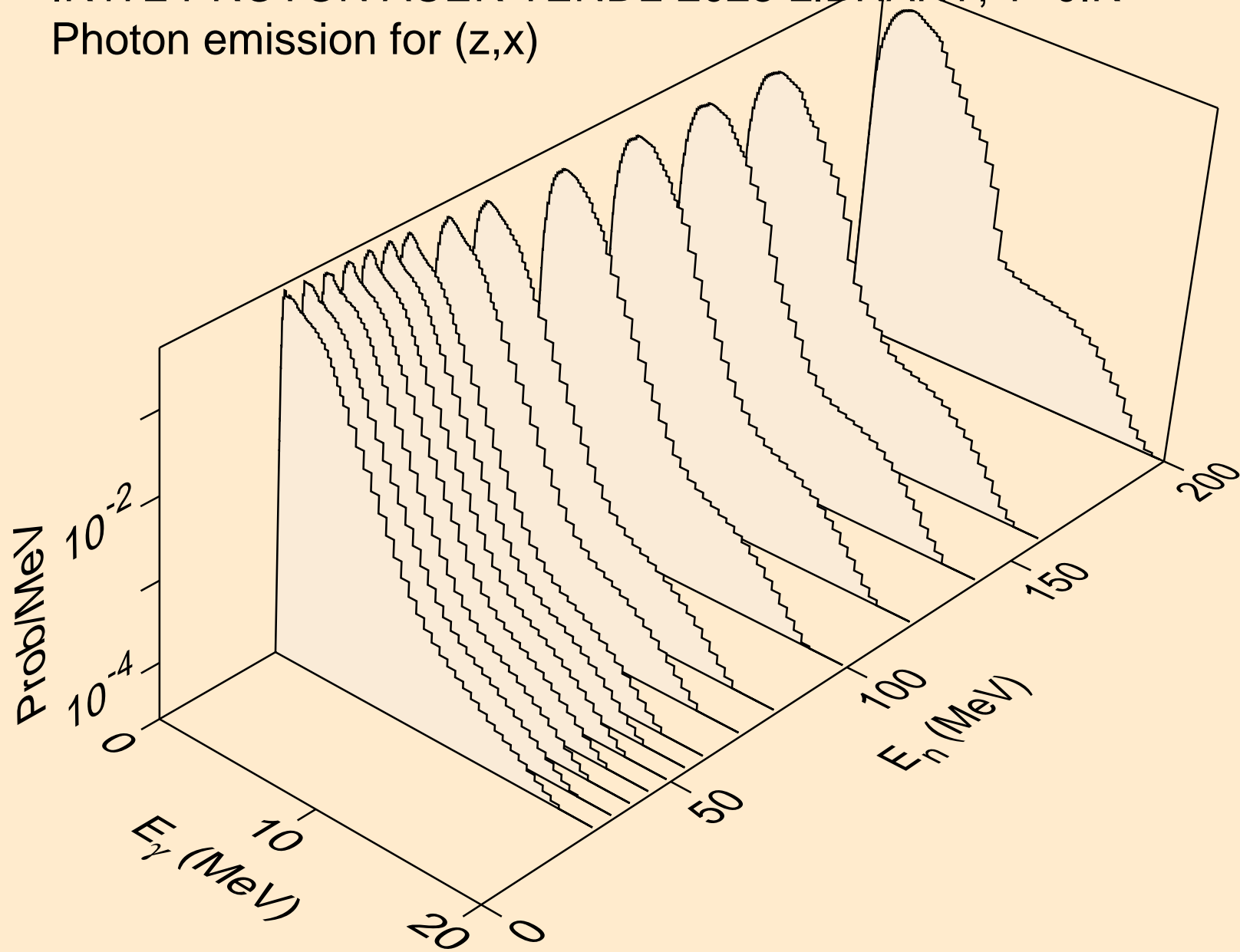
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pt)



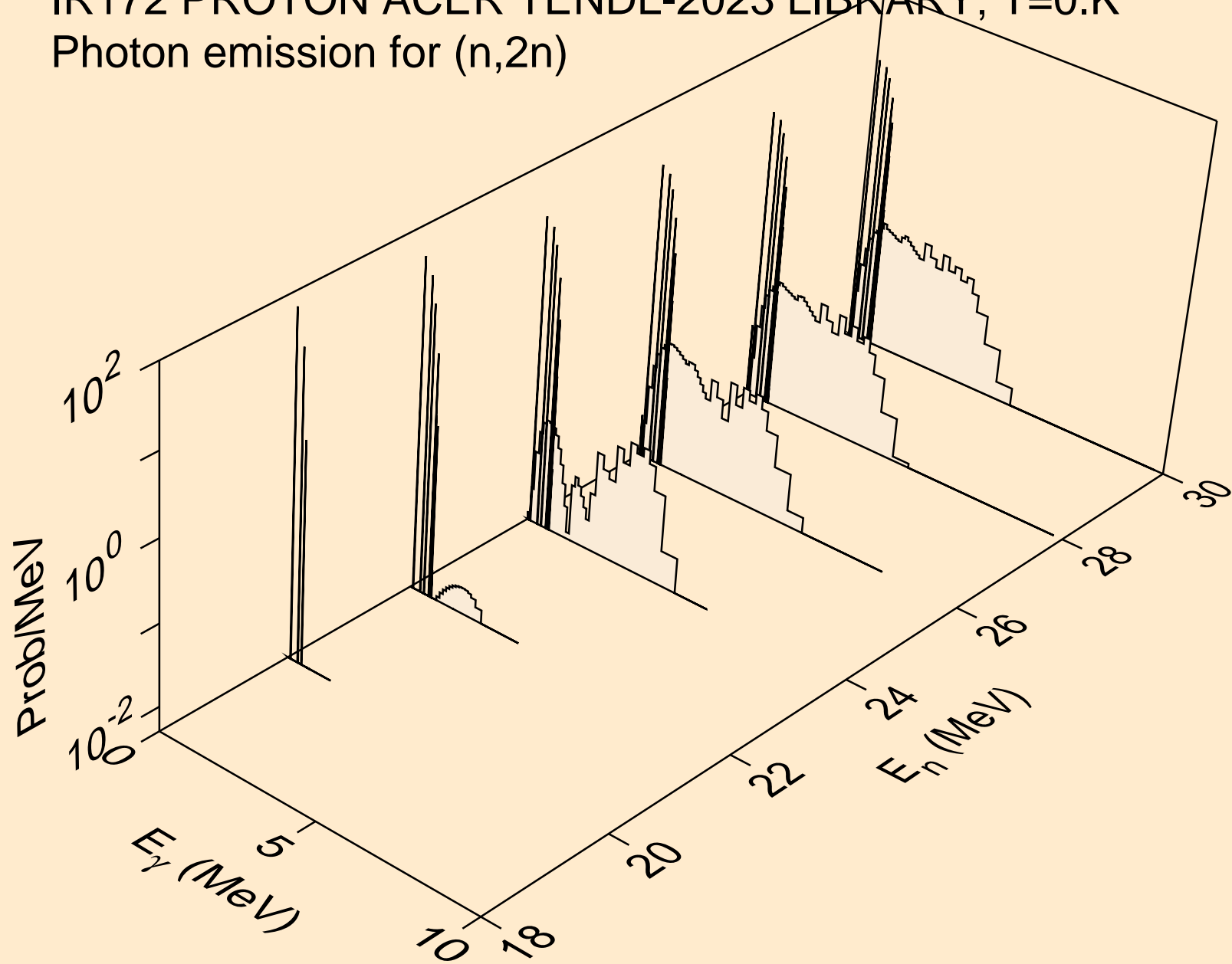
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



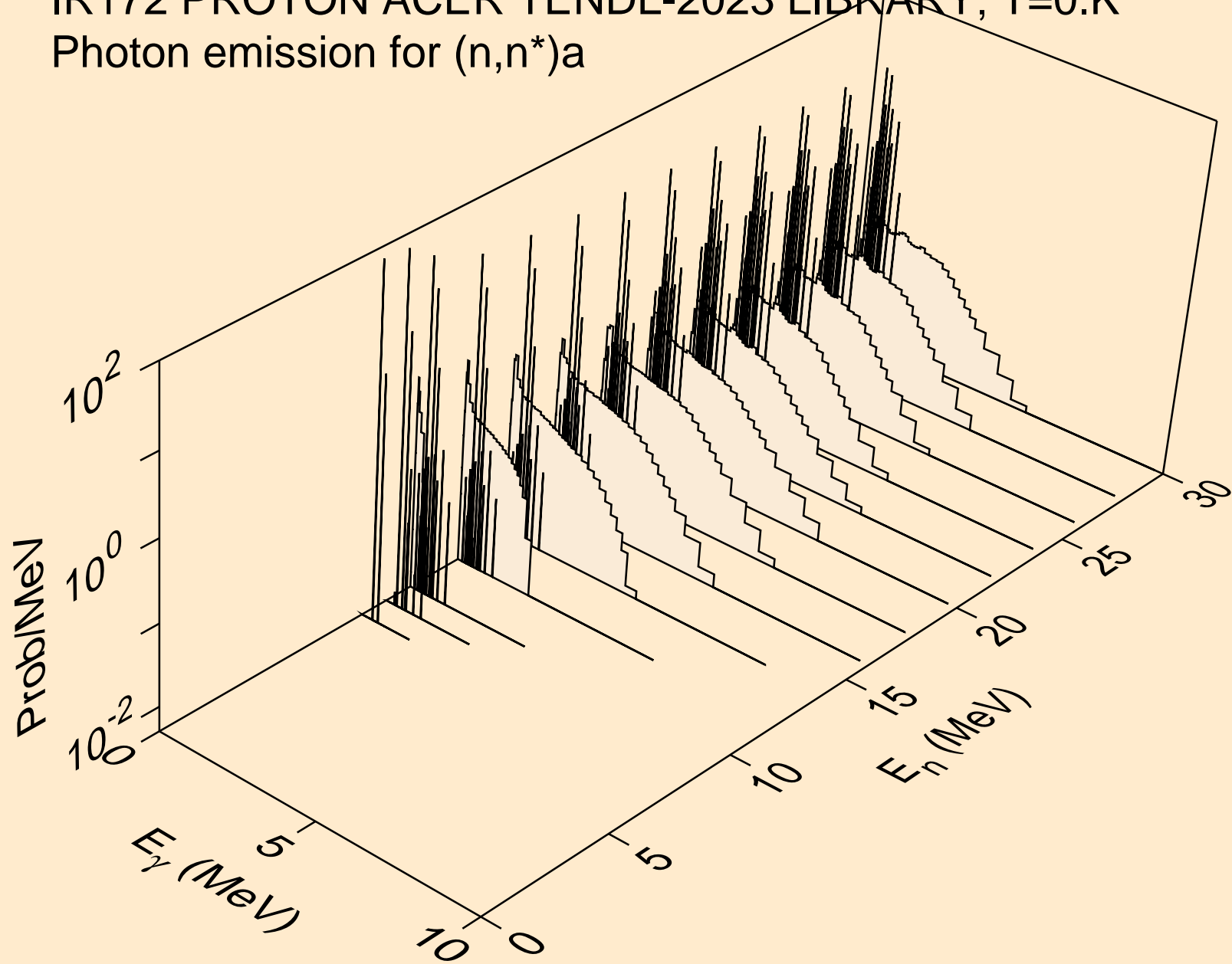
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



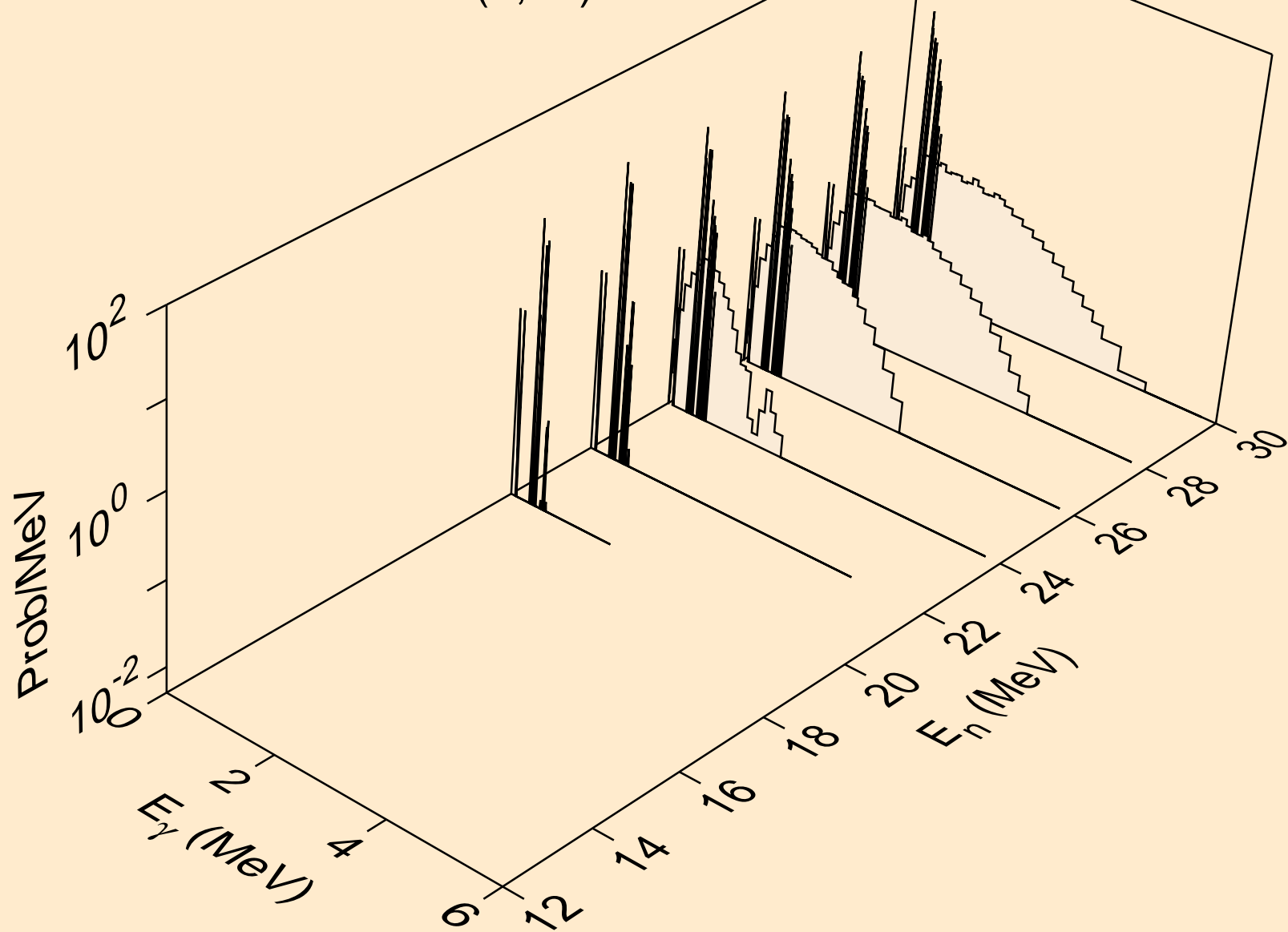
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

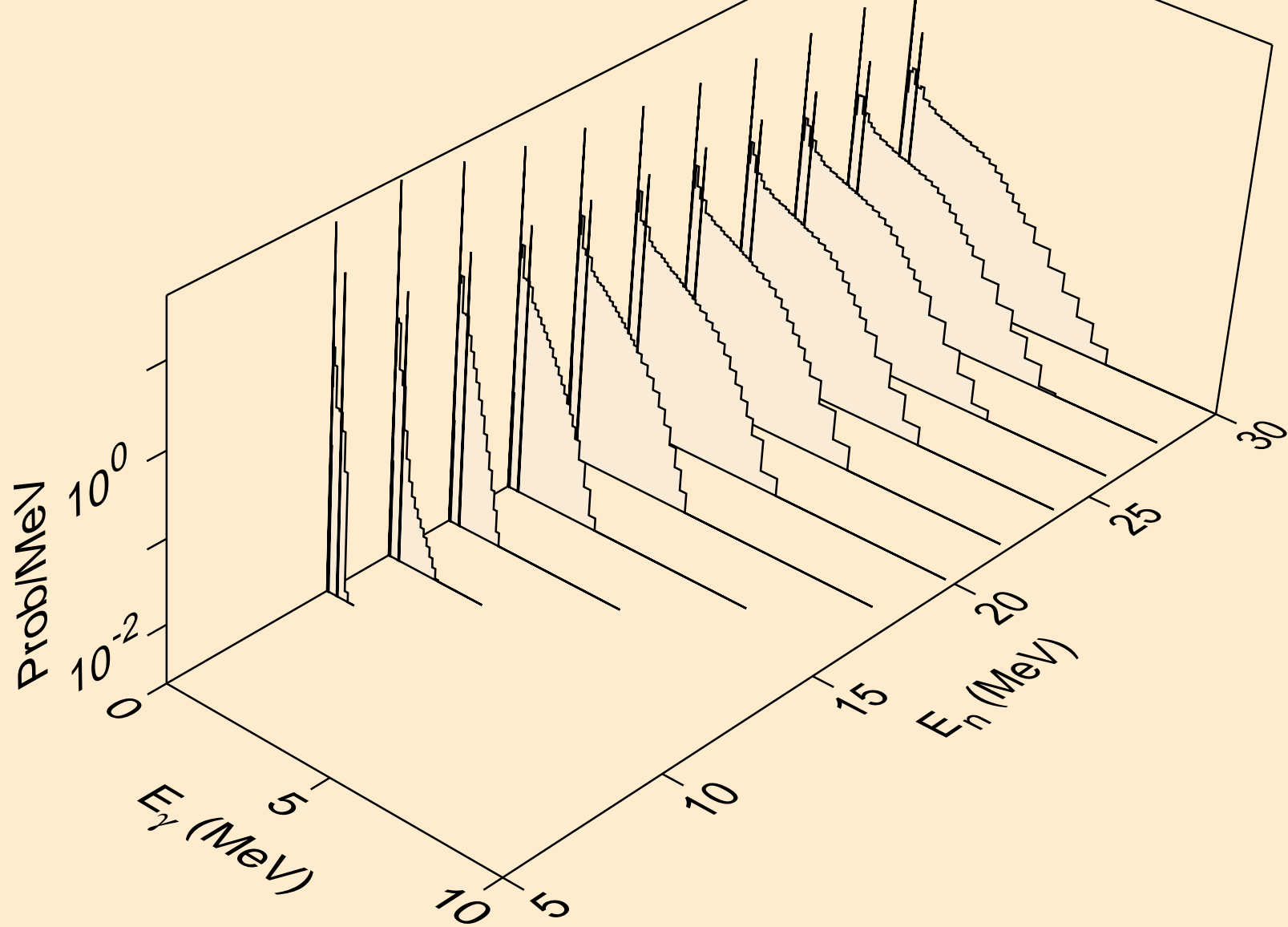


IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

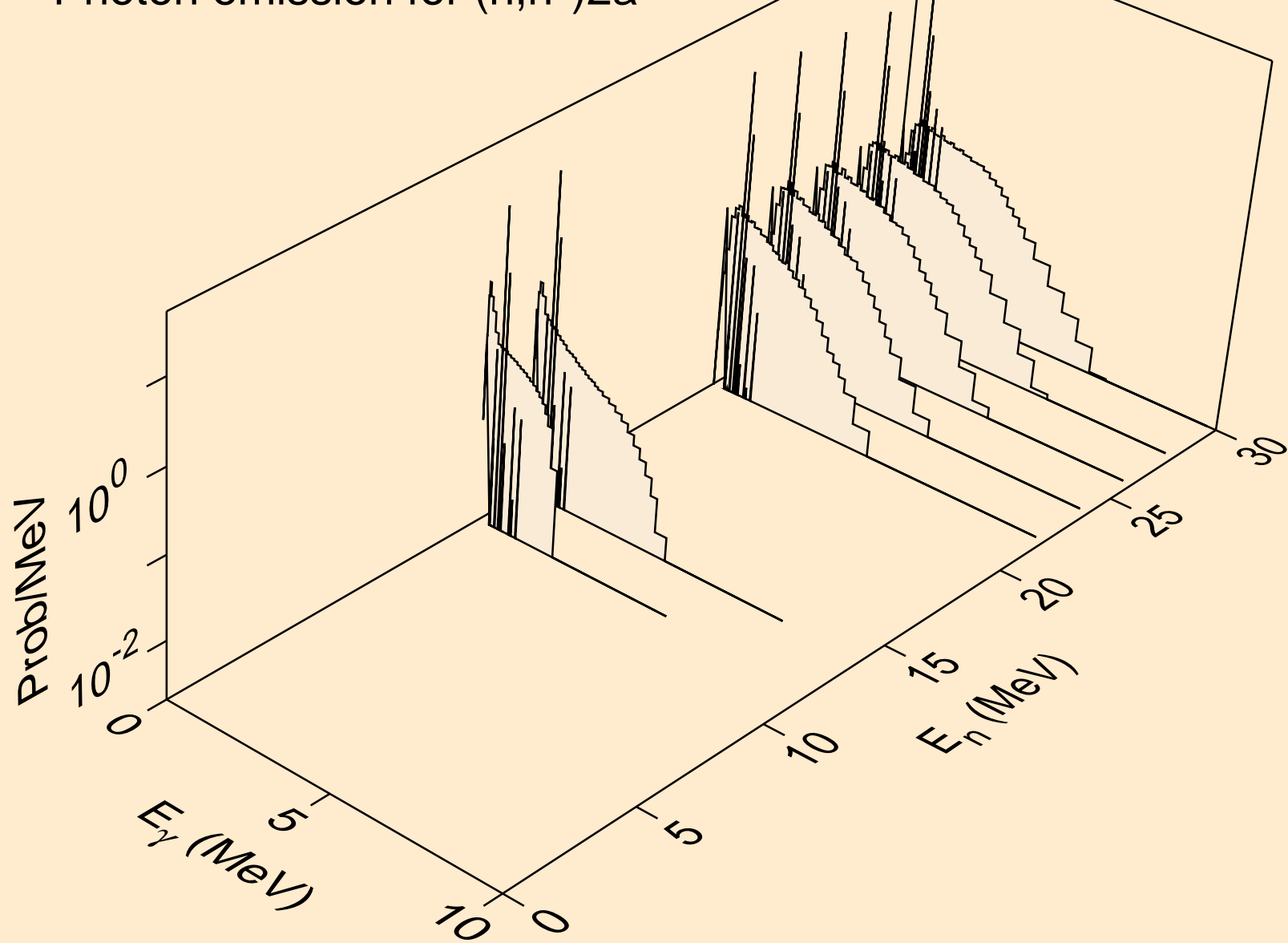




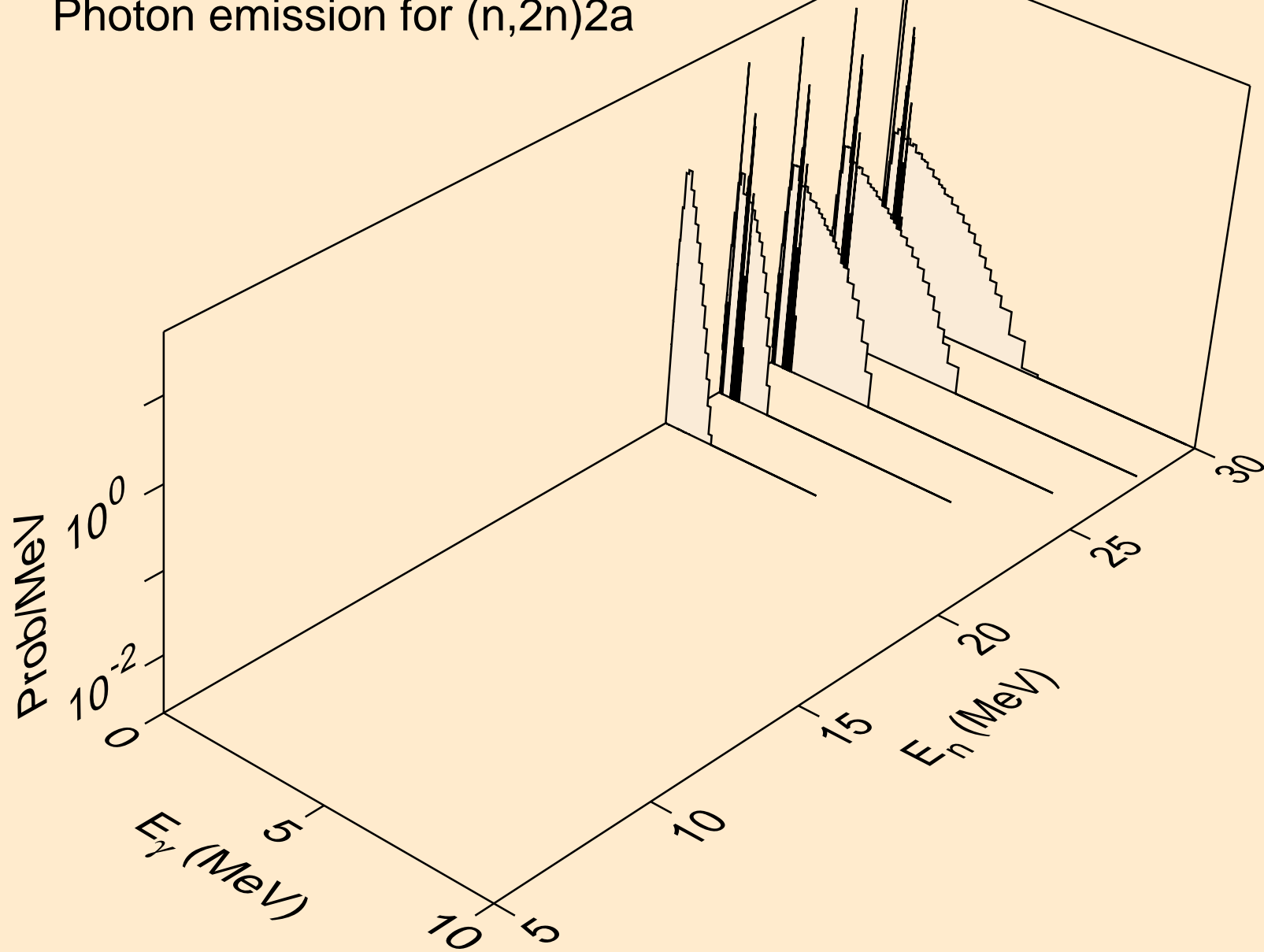
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



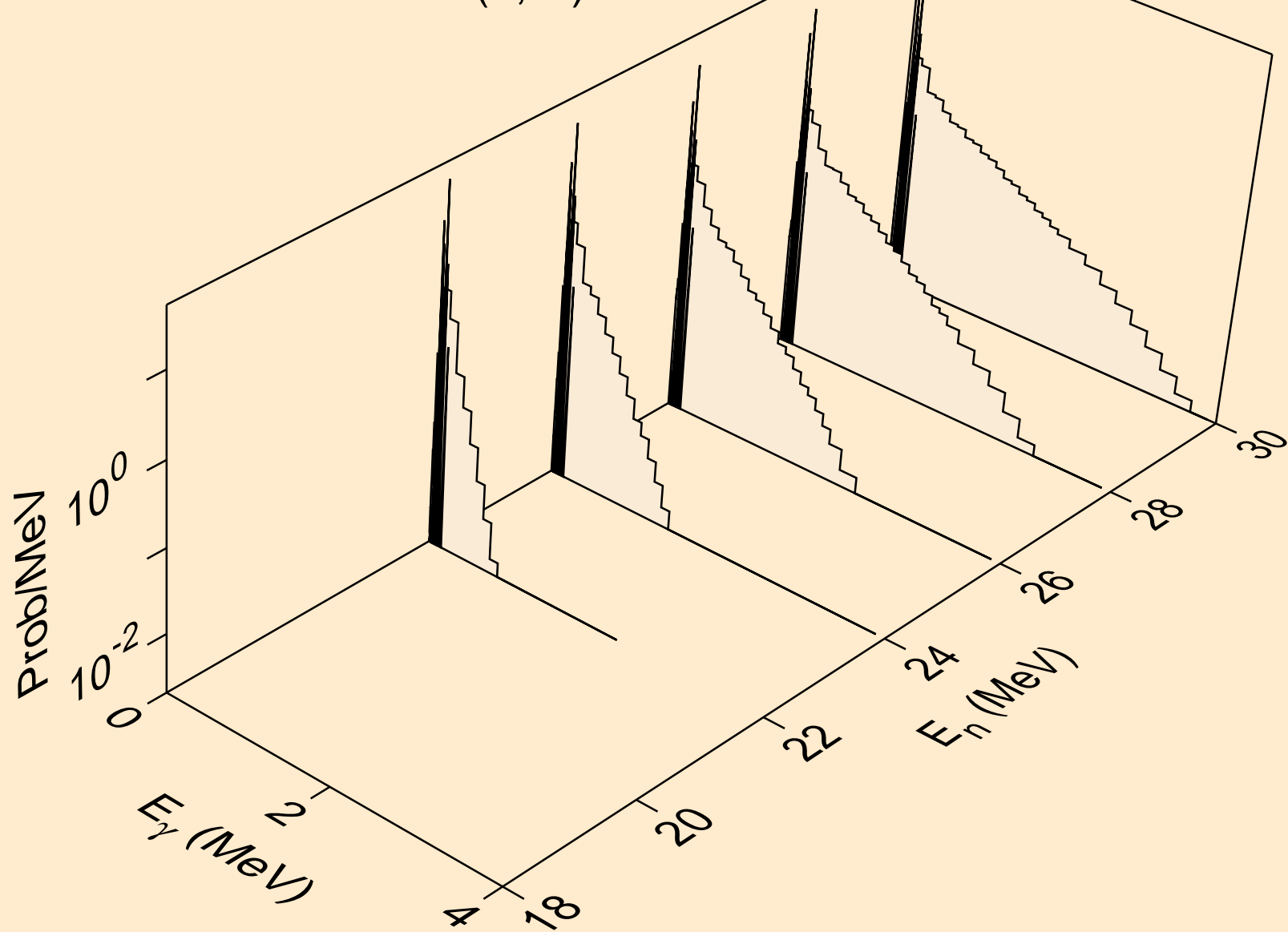
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



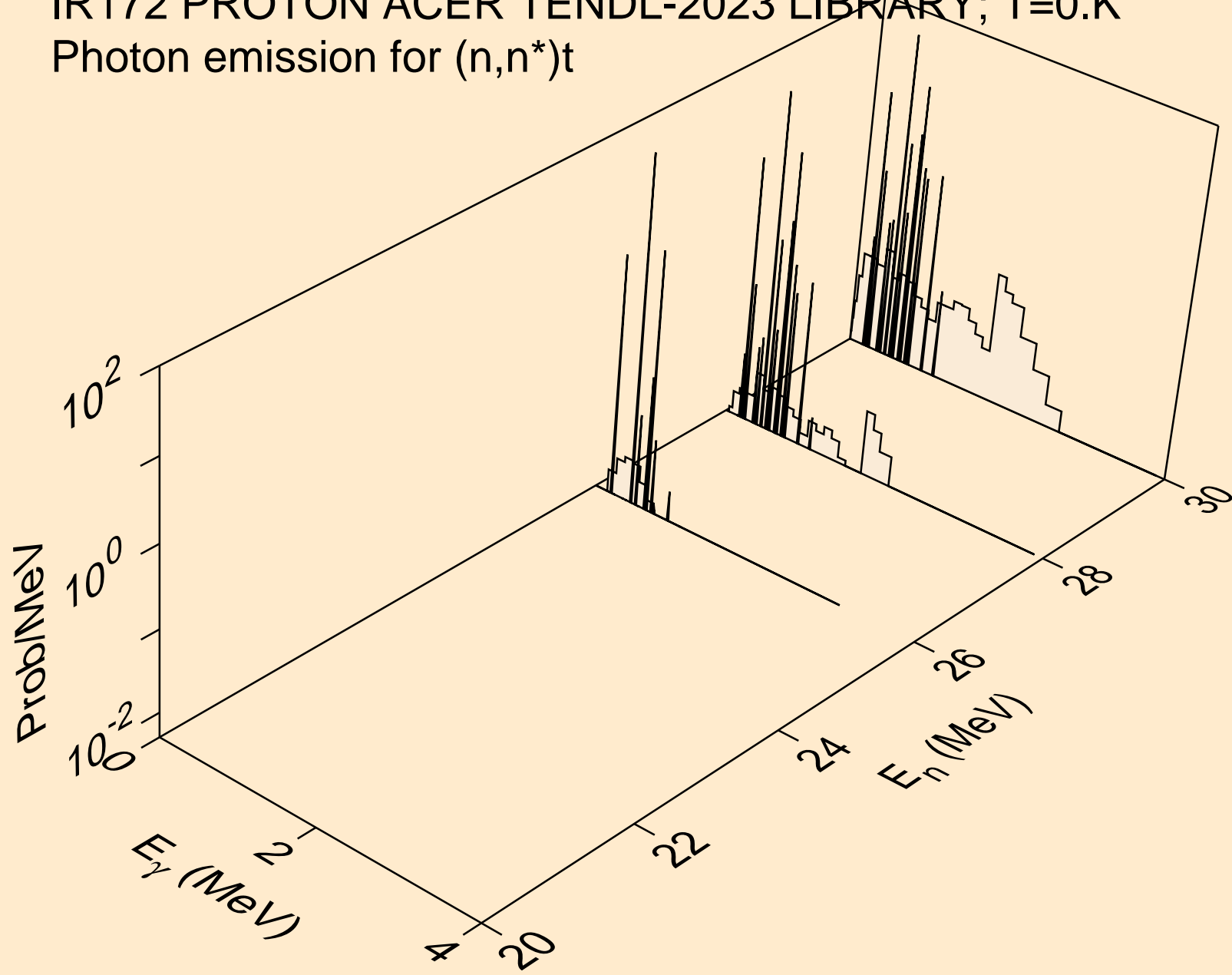
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



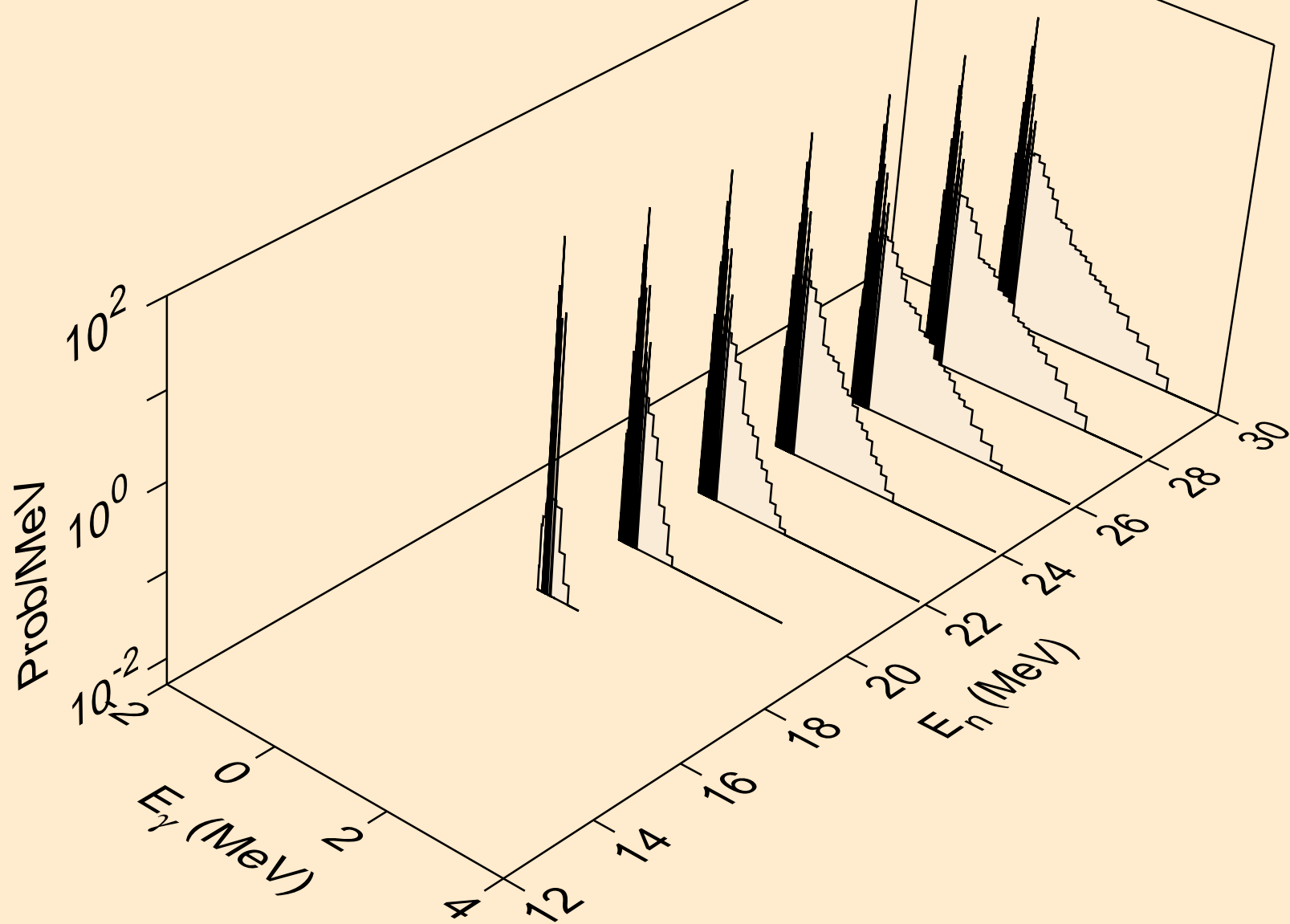
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



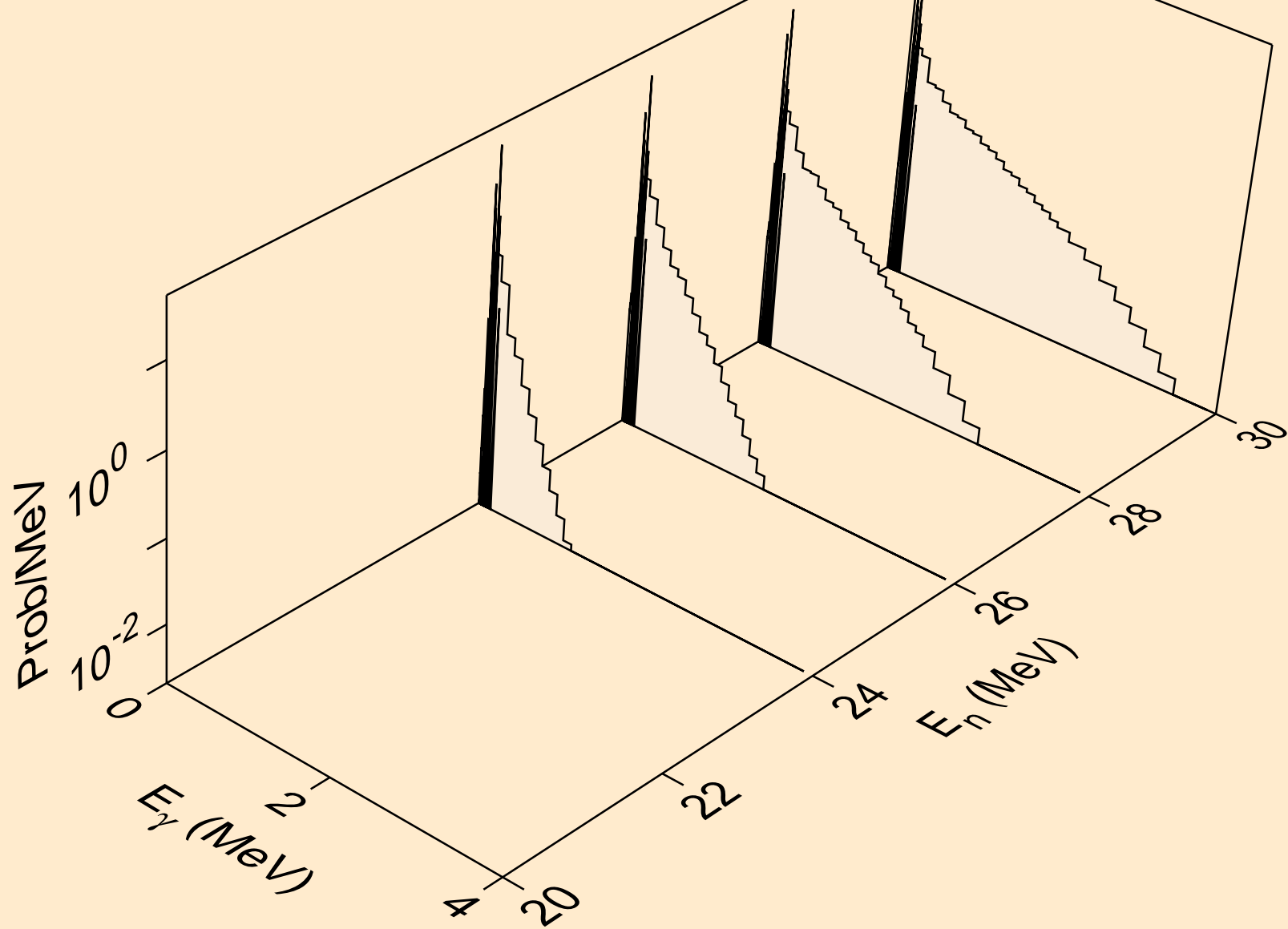
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



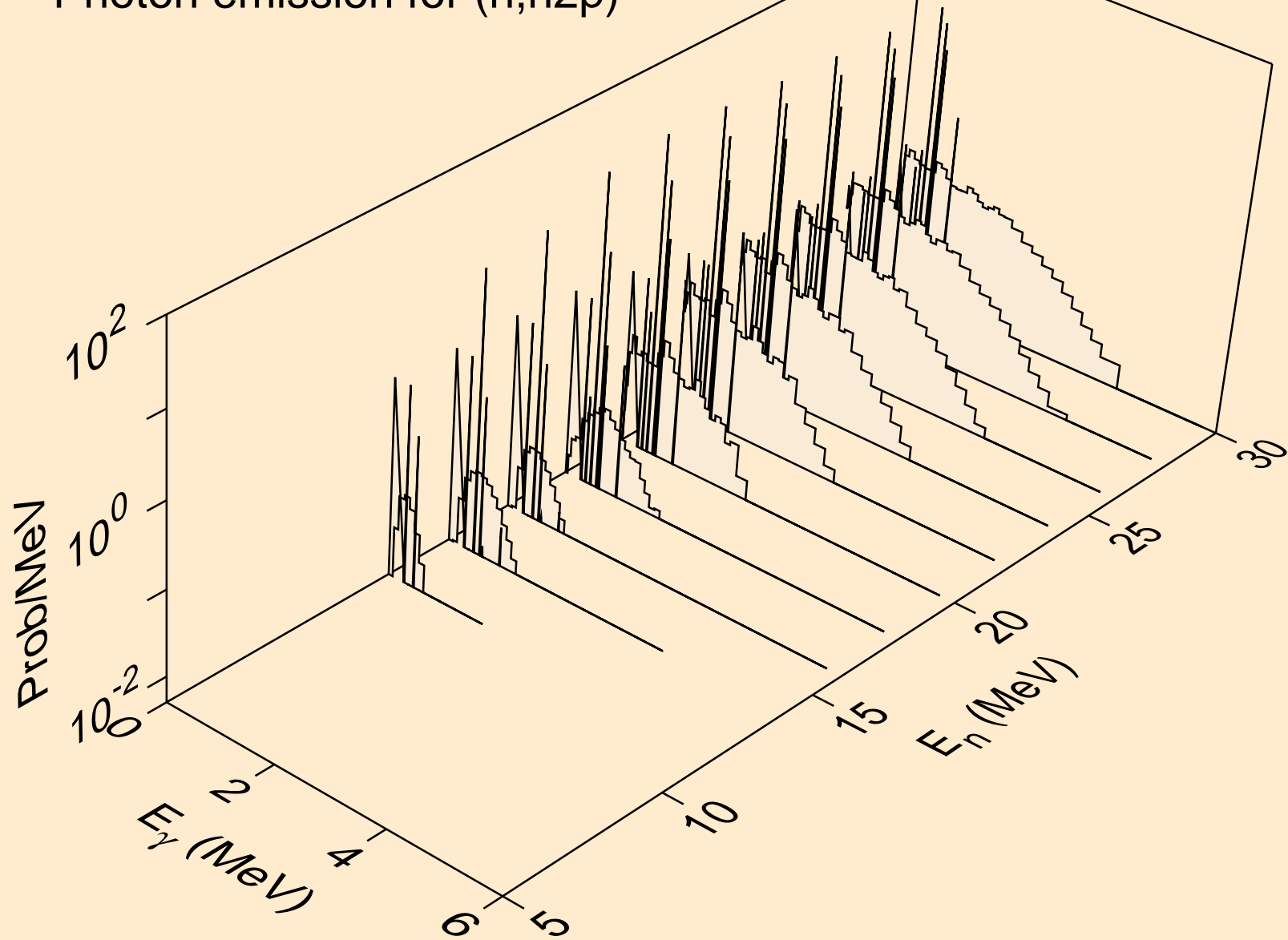
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

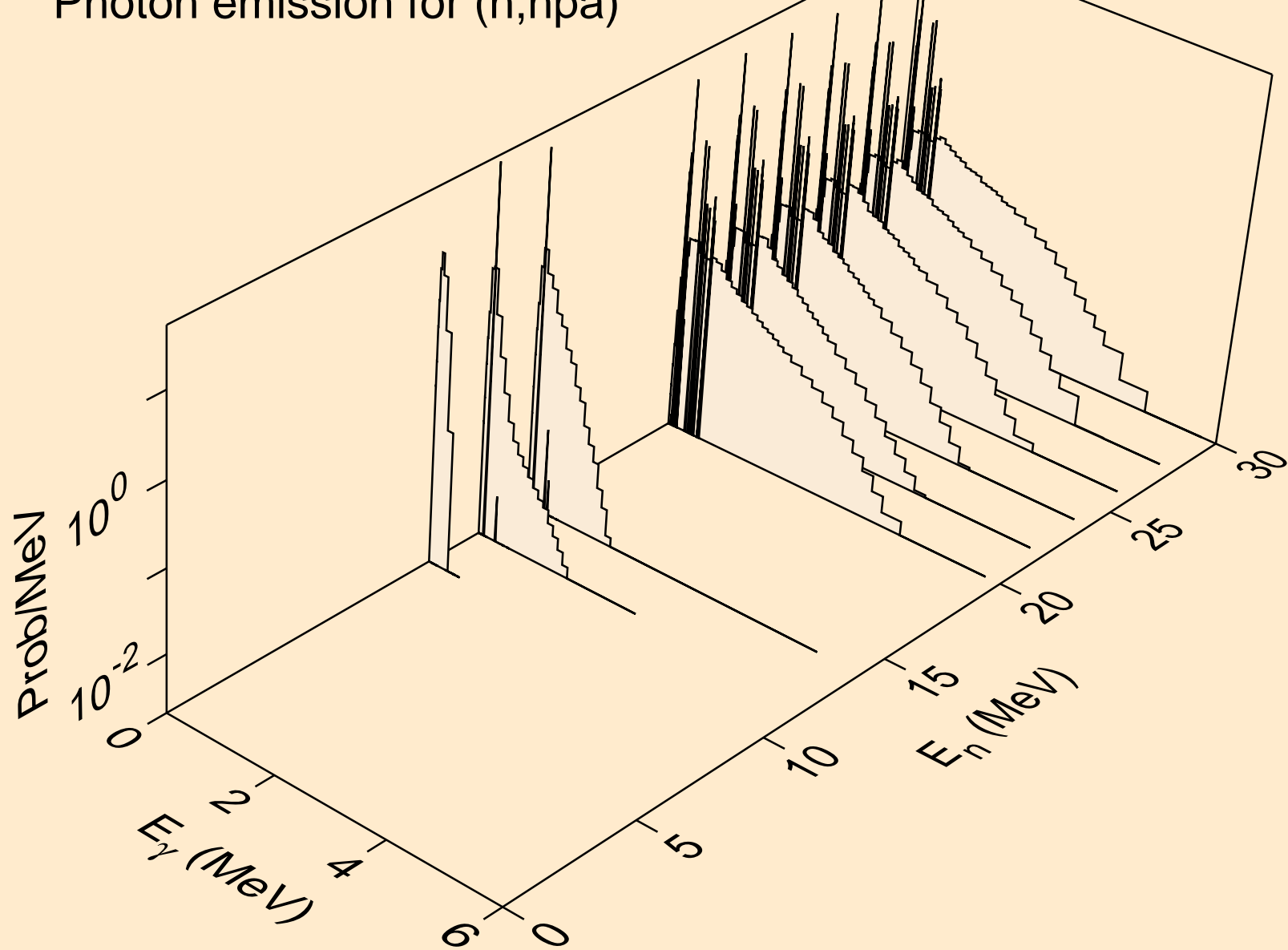


IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)

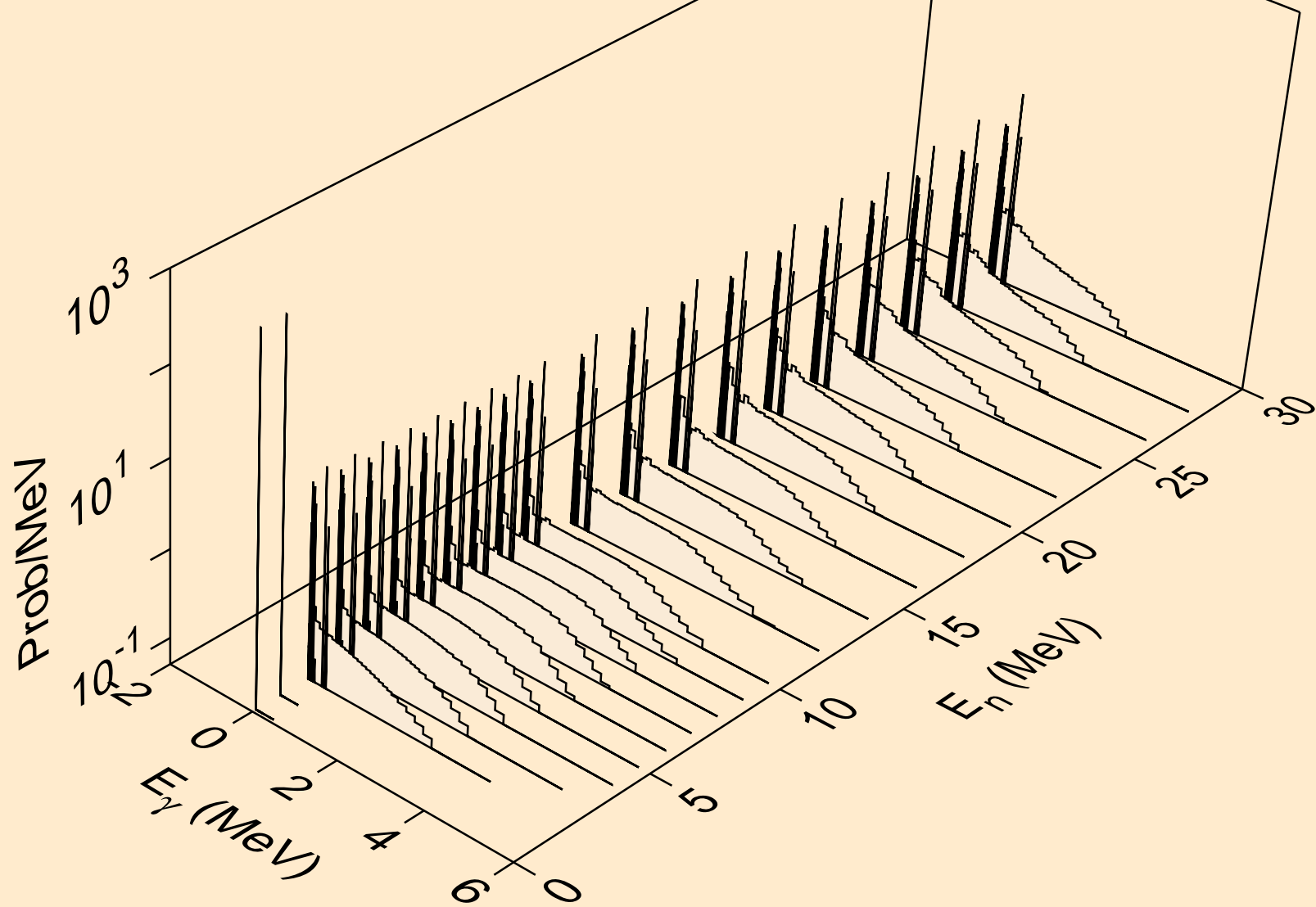




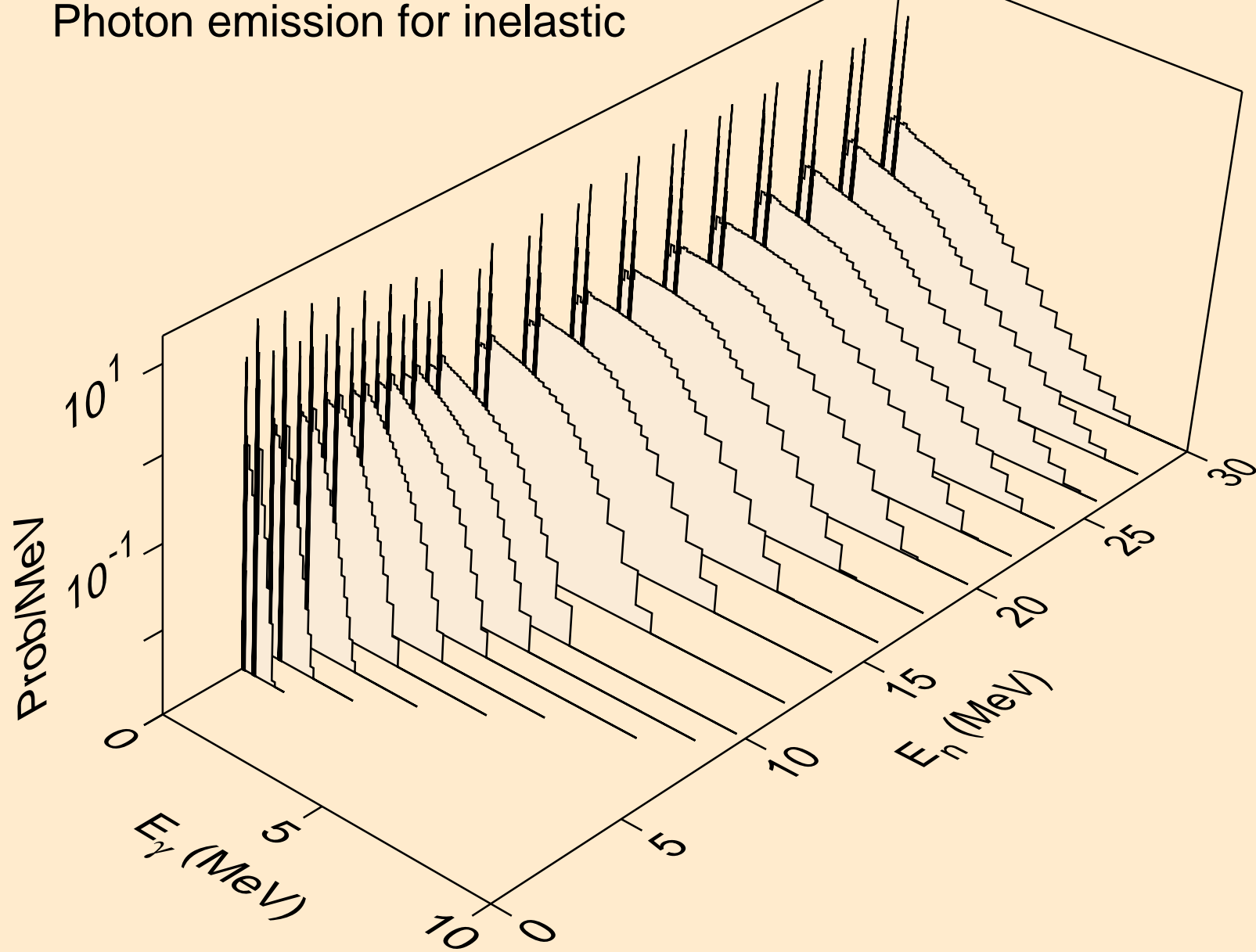
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



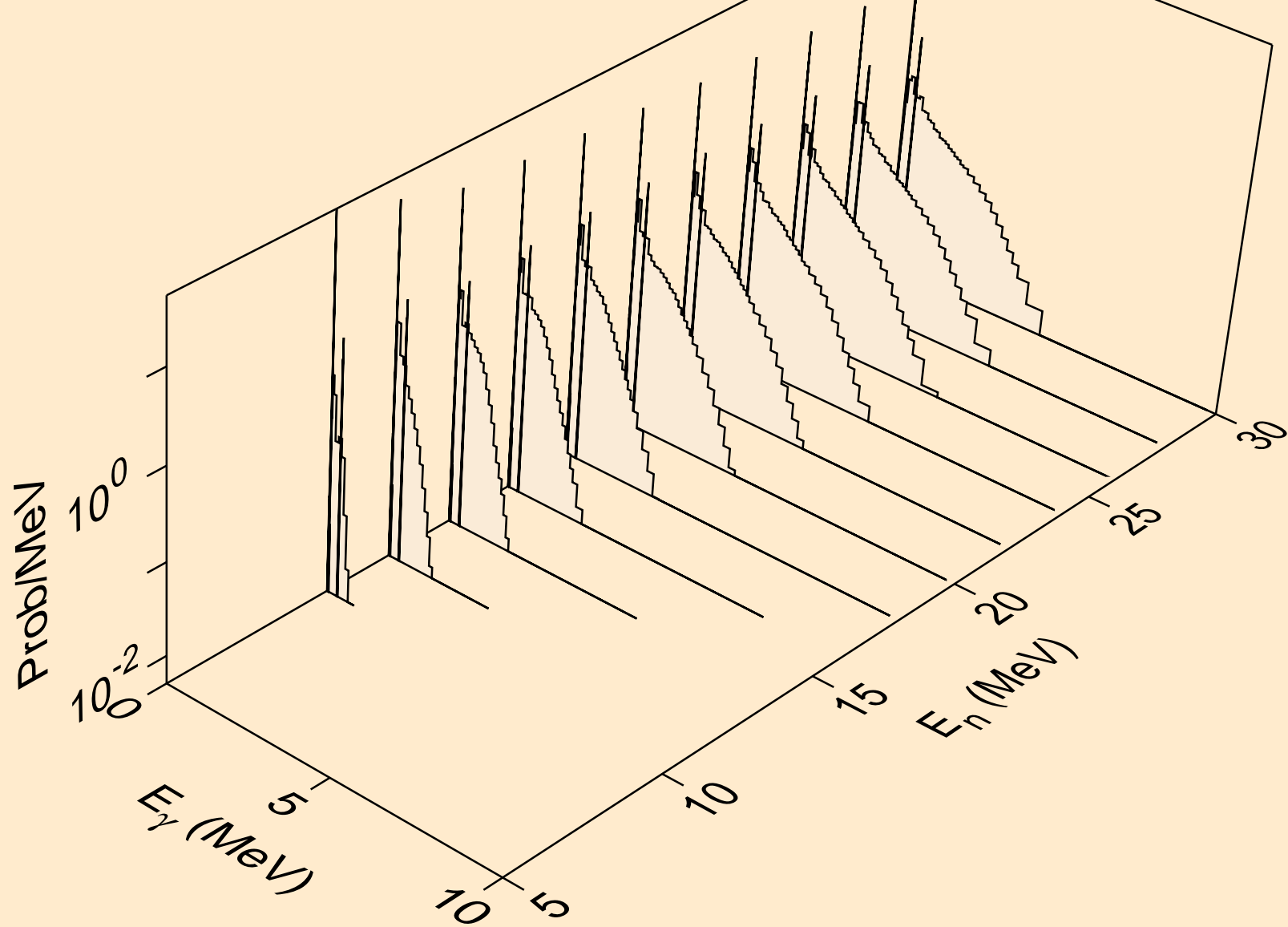
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



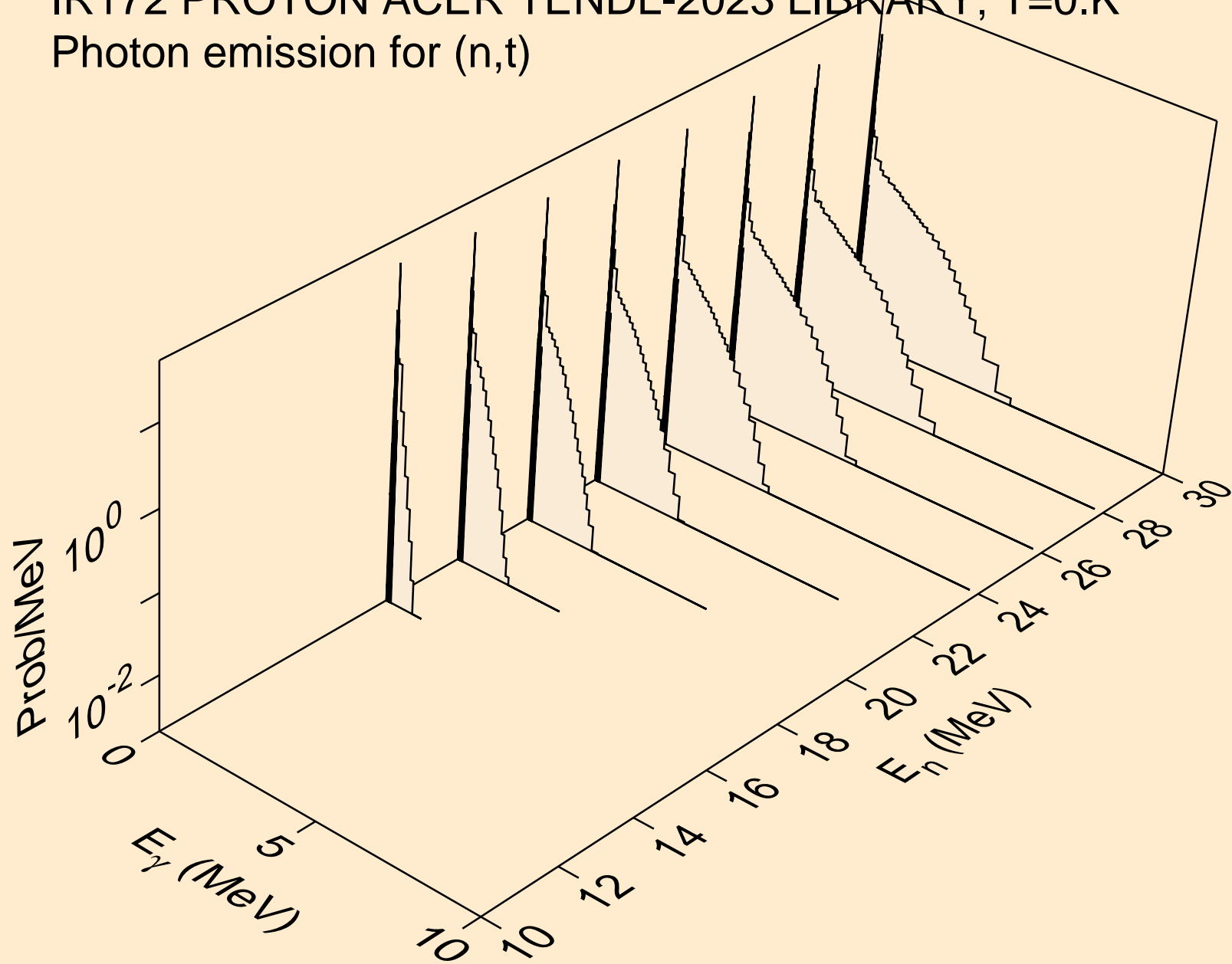
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



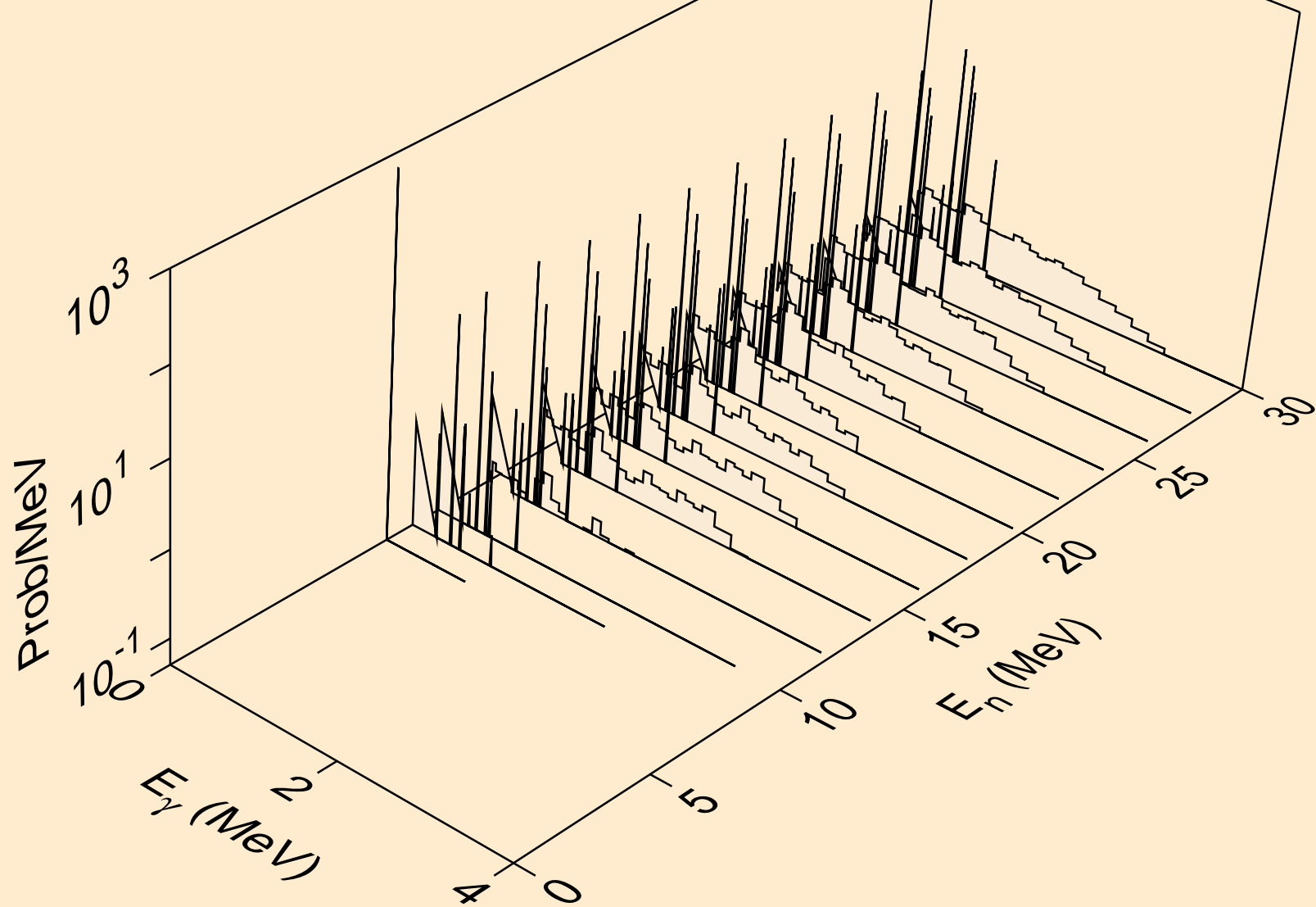
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



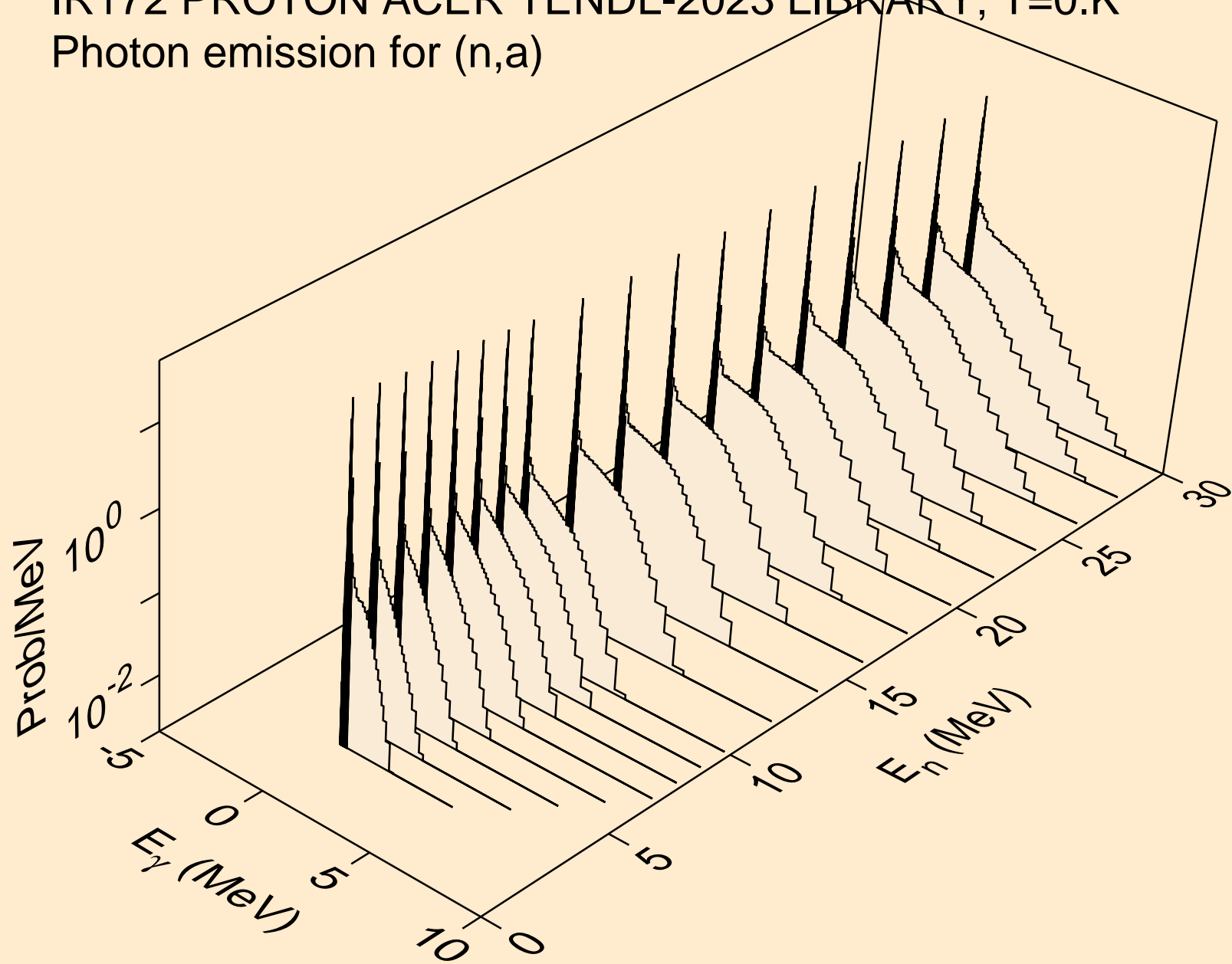
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



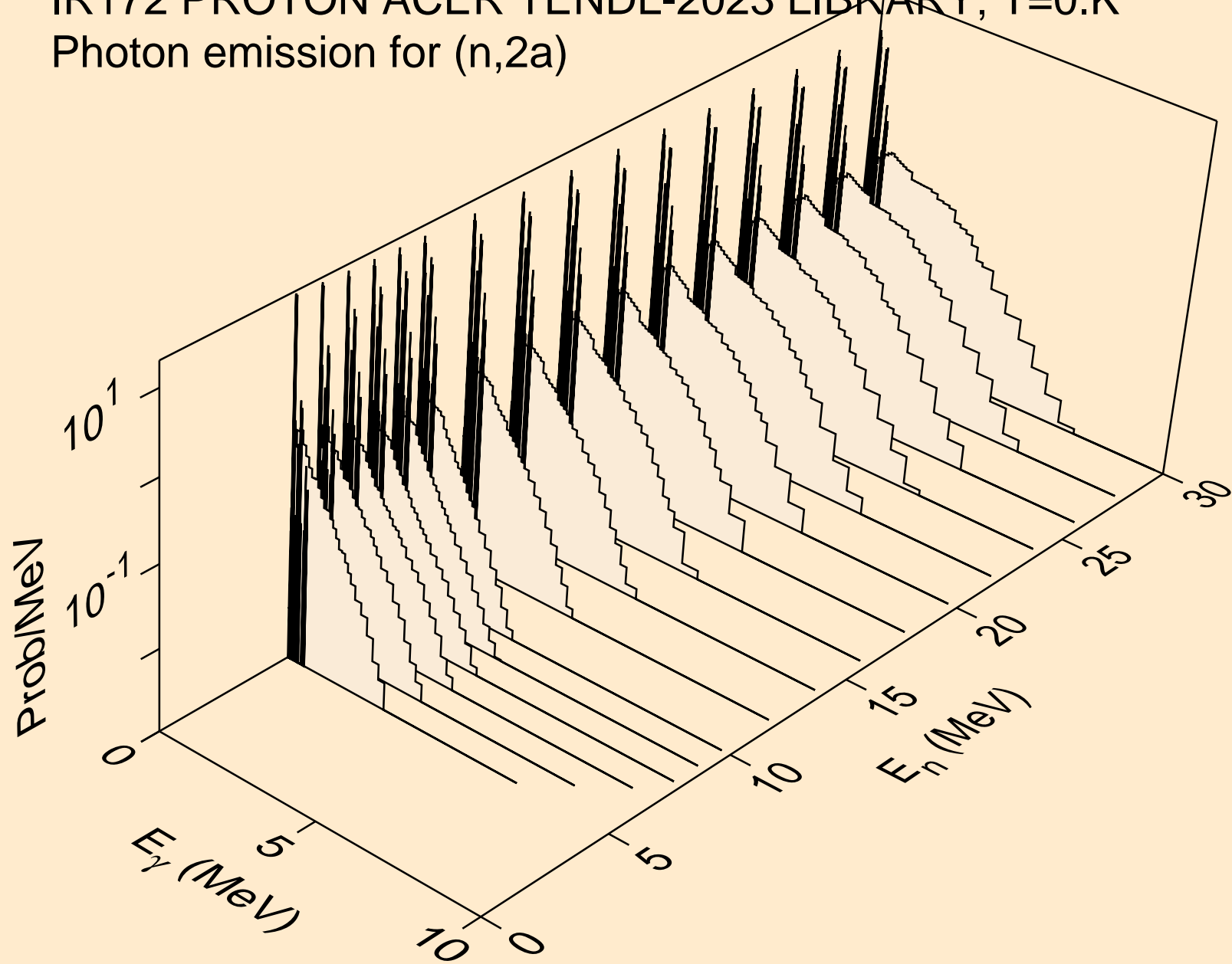
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

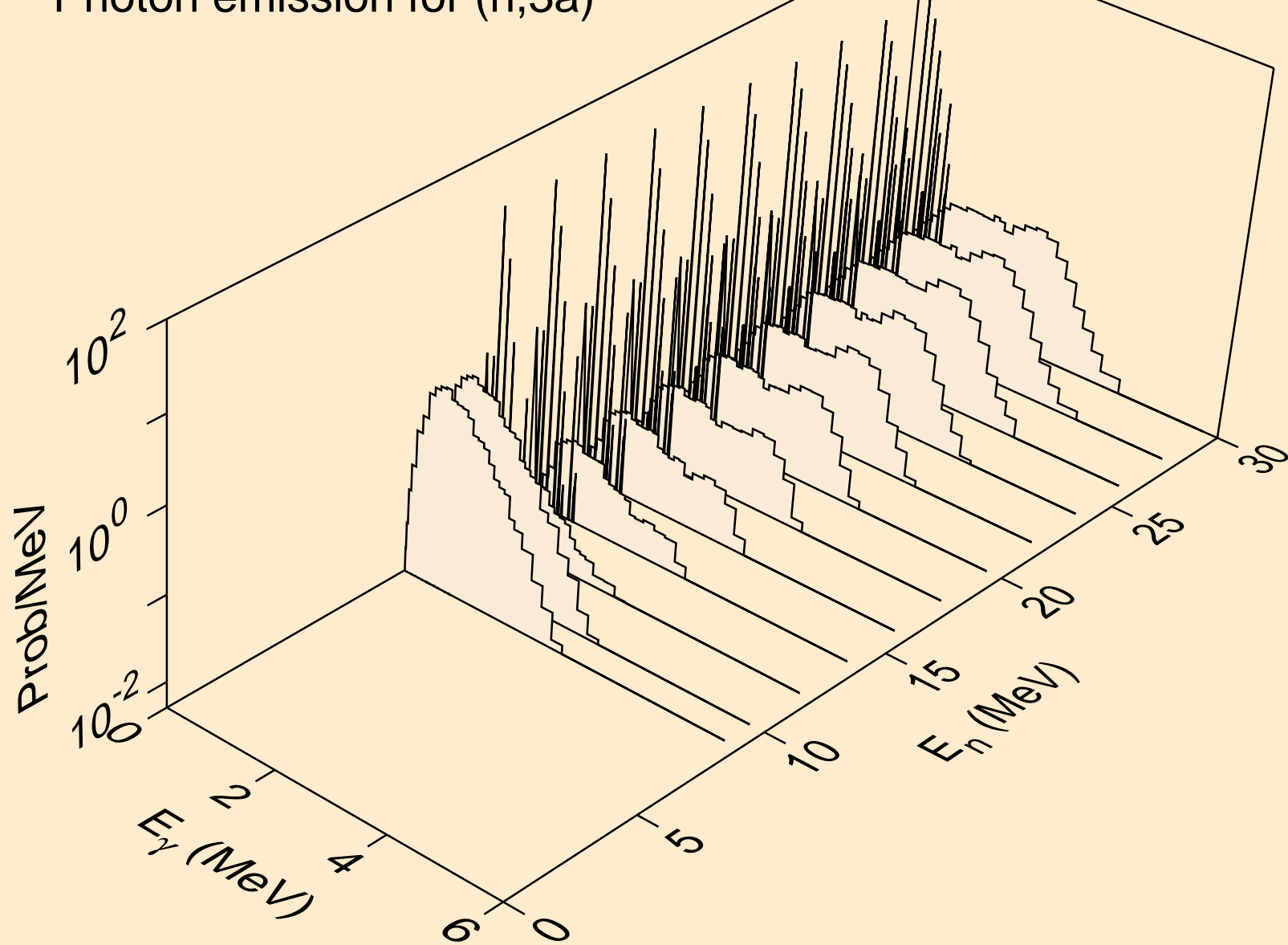


IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)

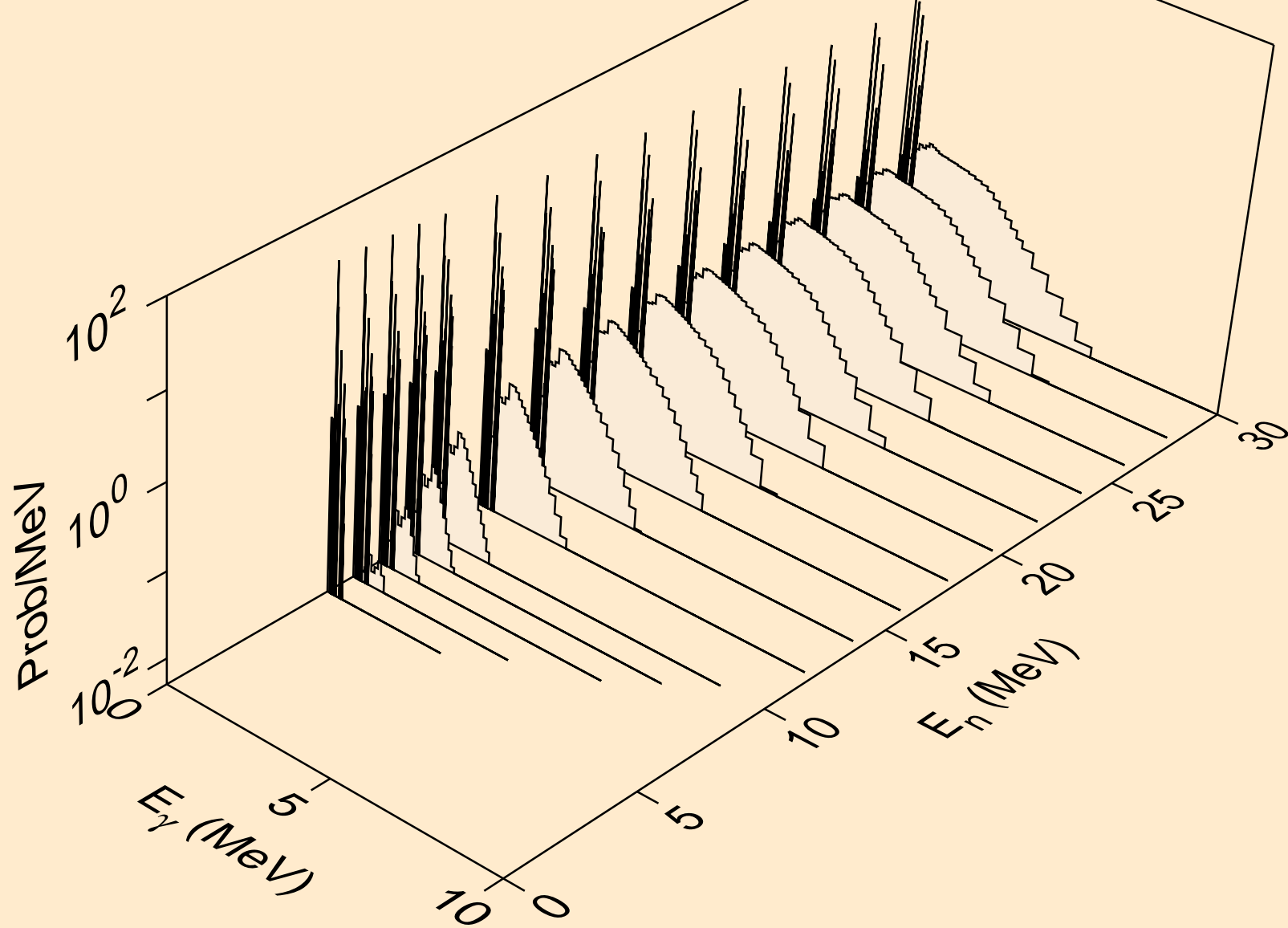




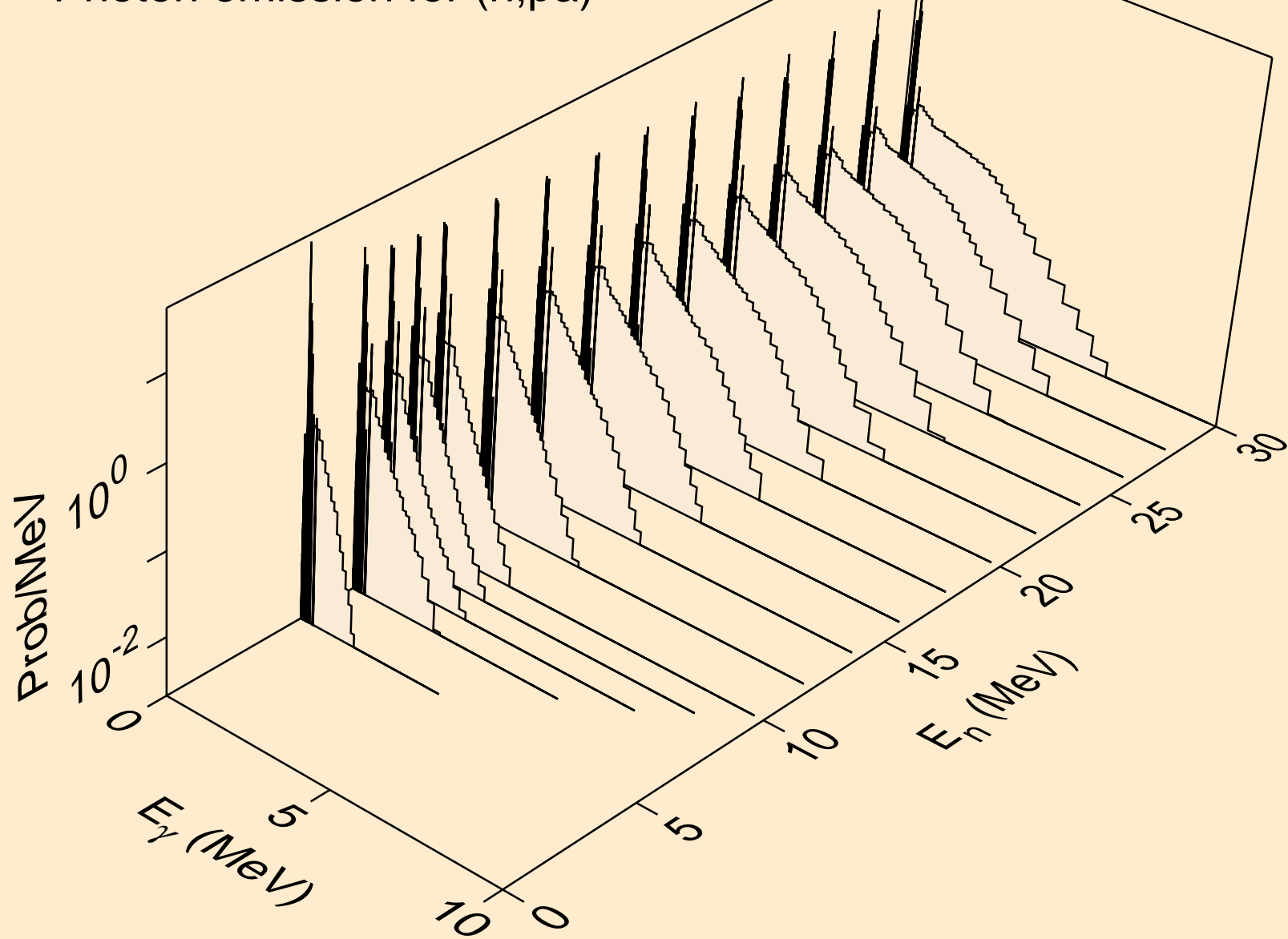
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)



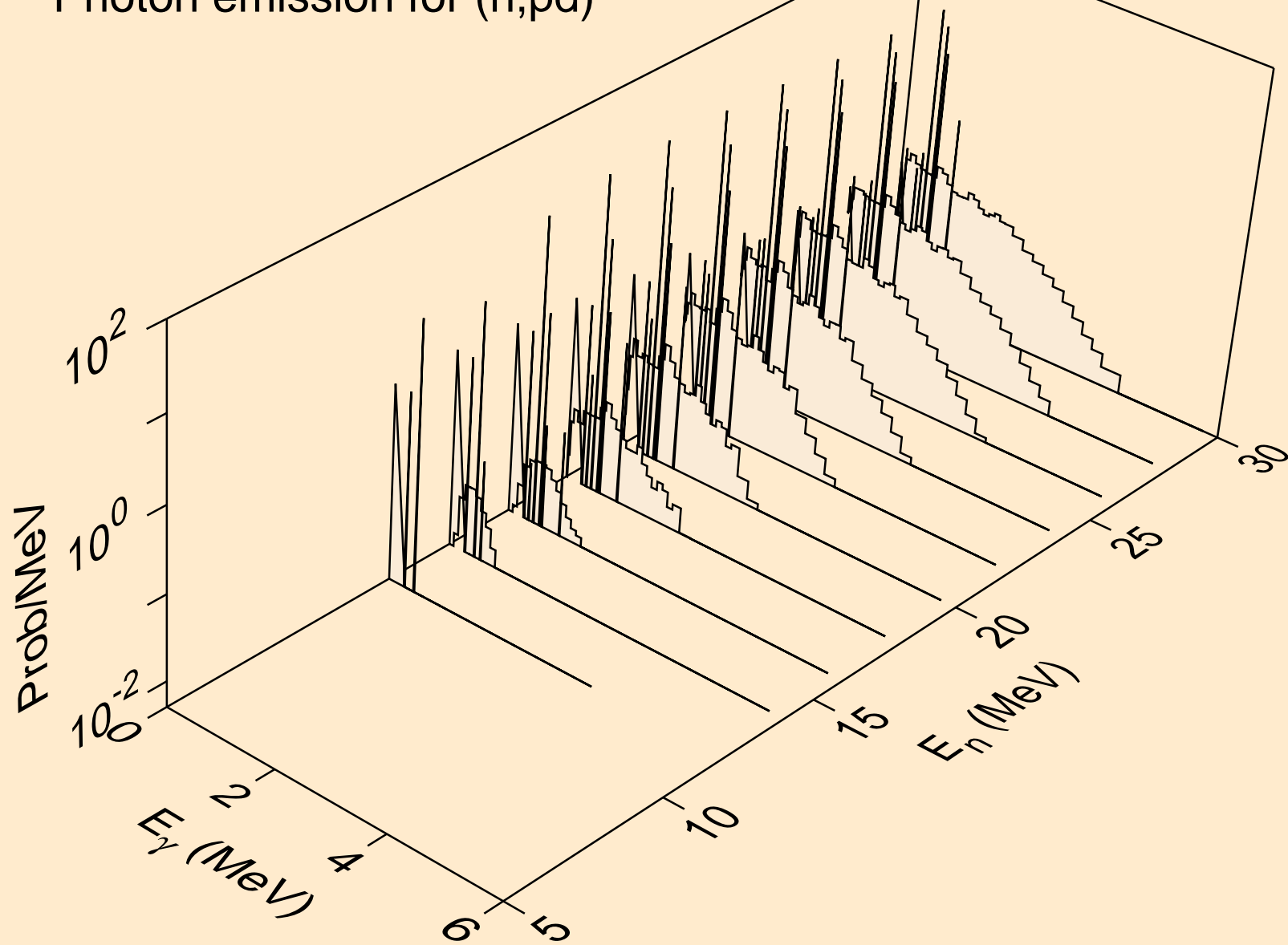
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



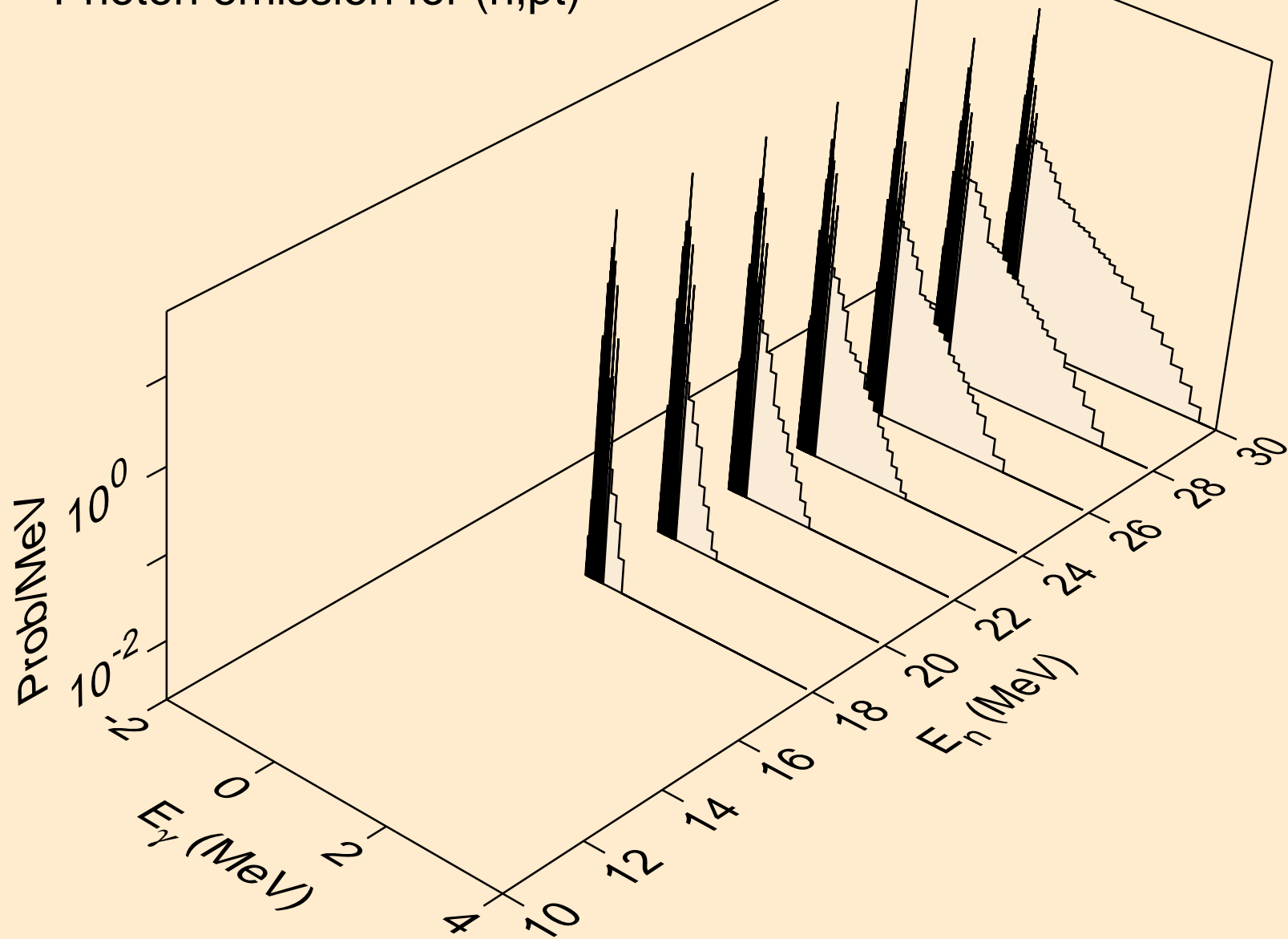
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)



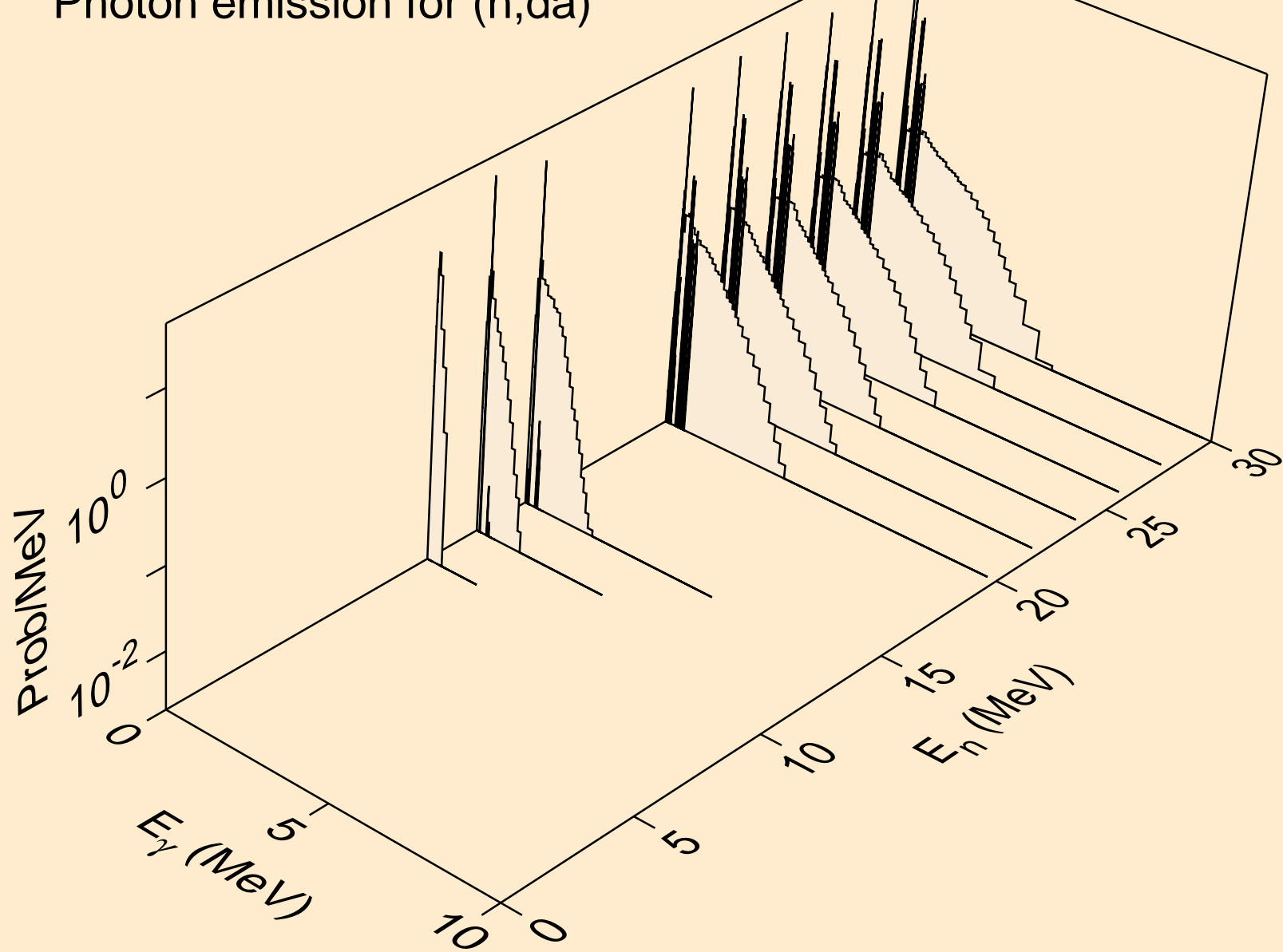
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

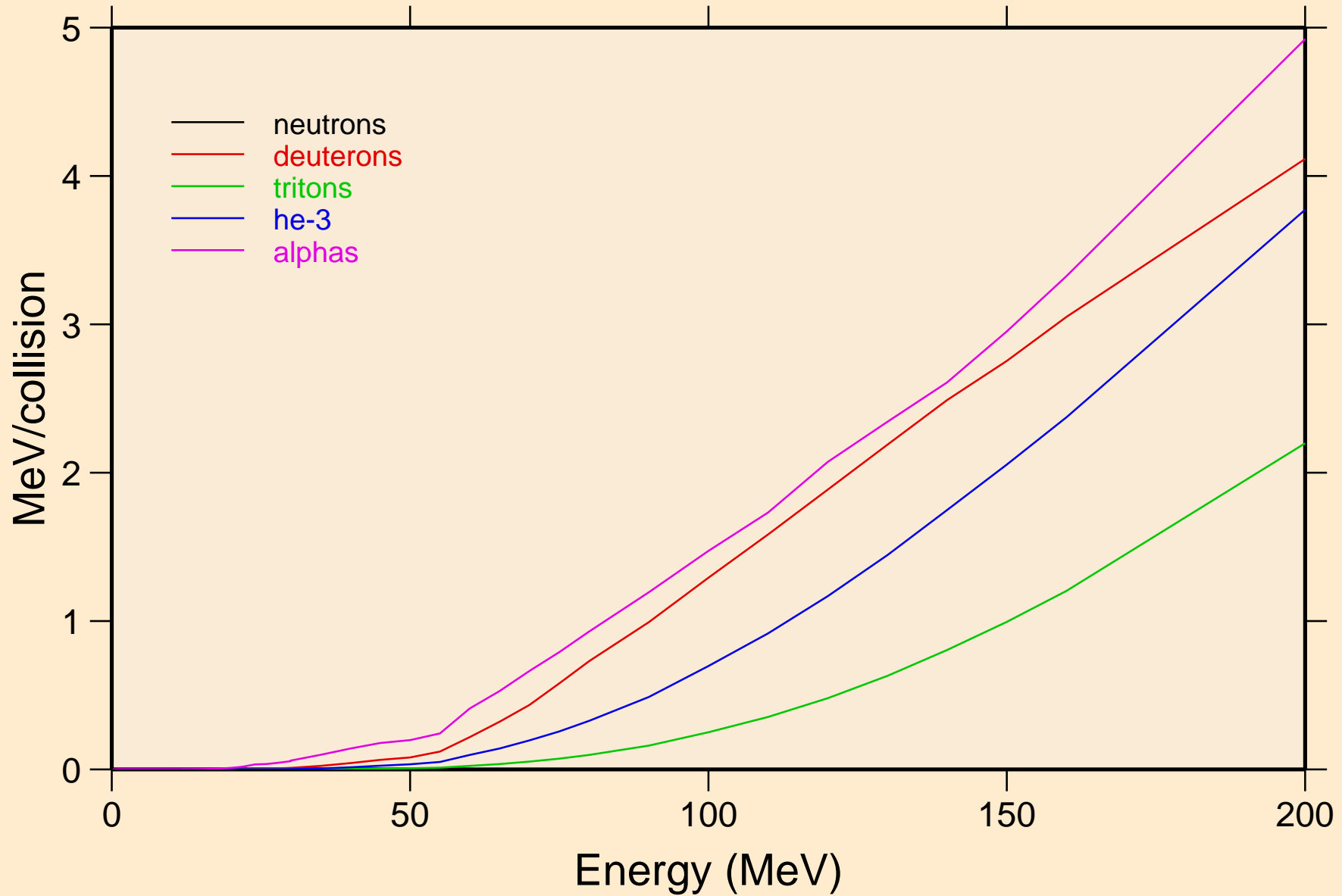


IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



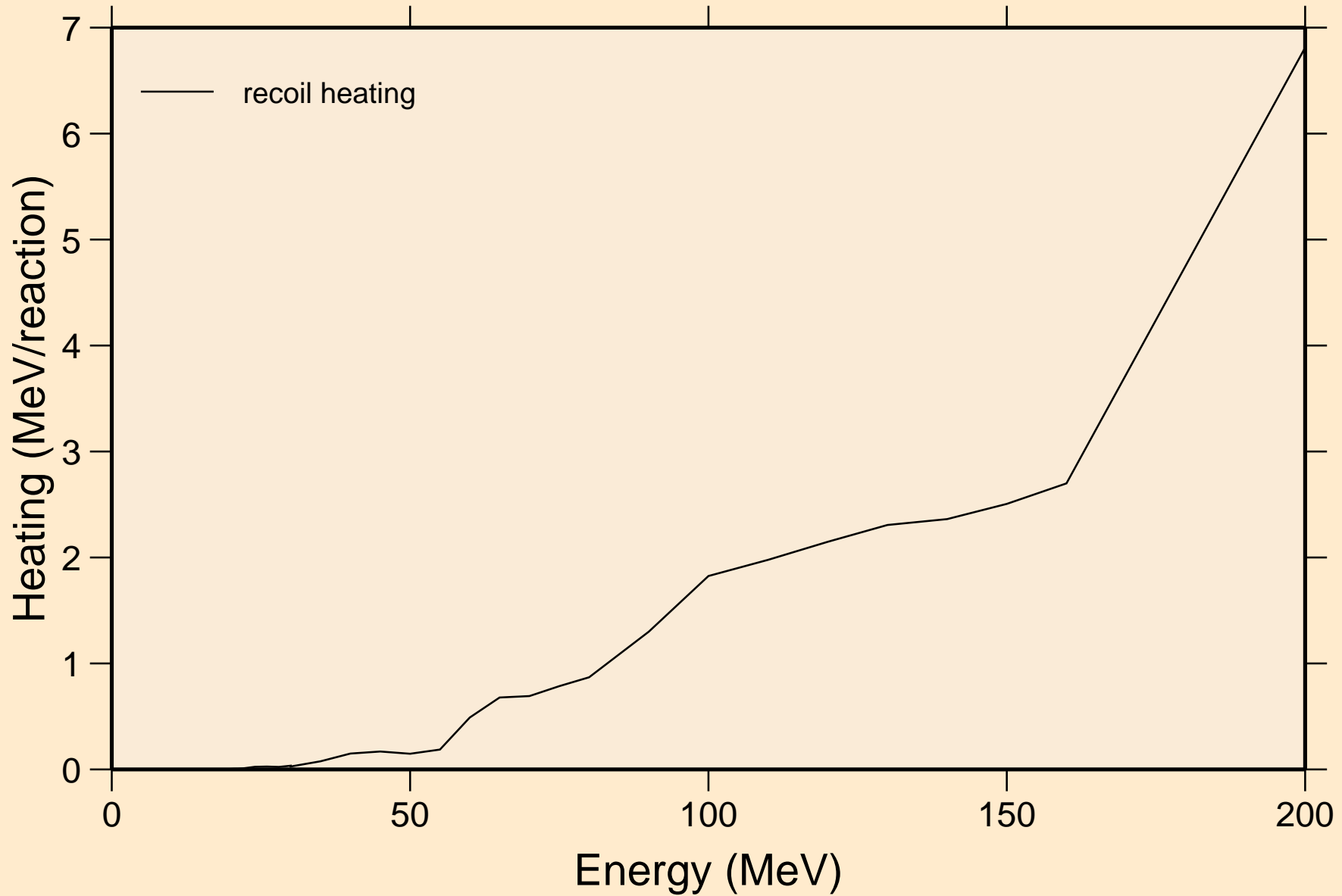
# IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



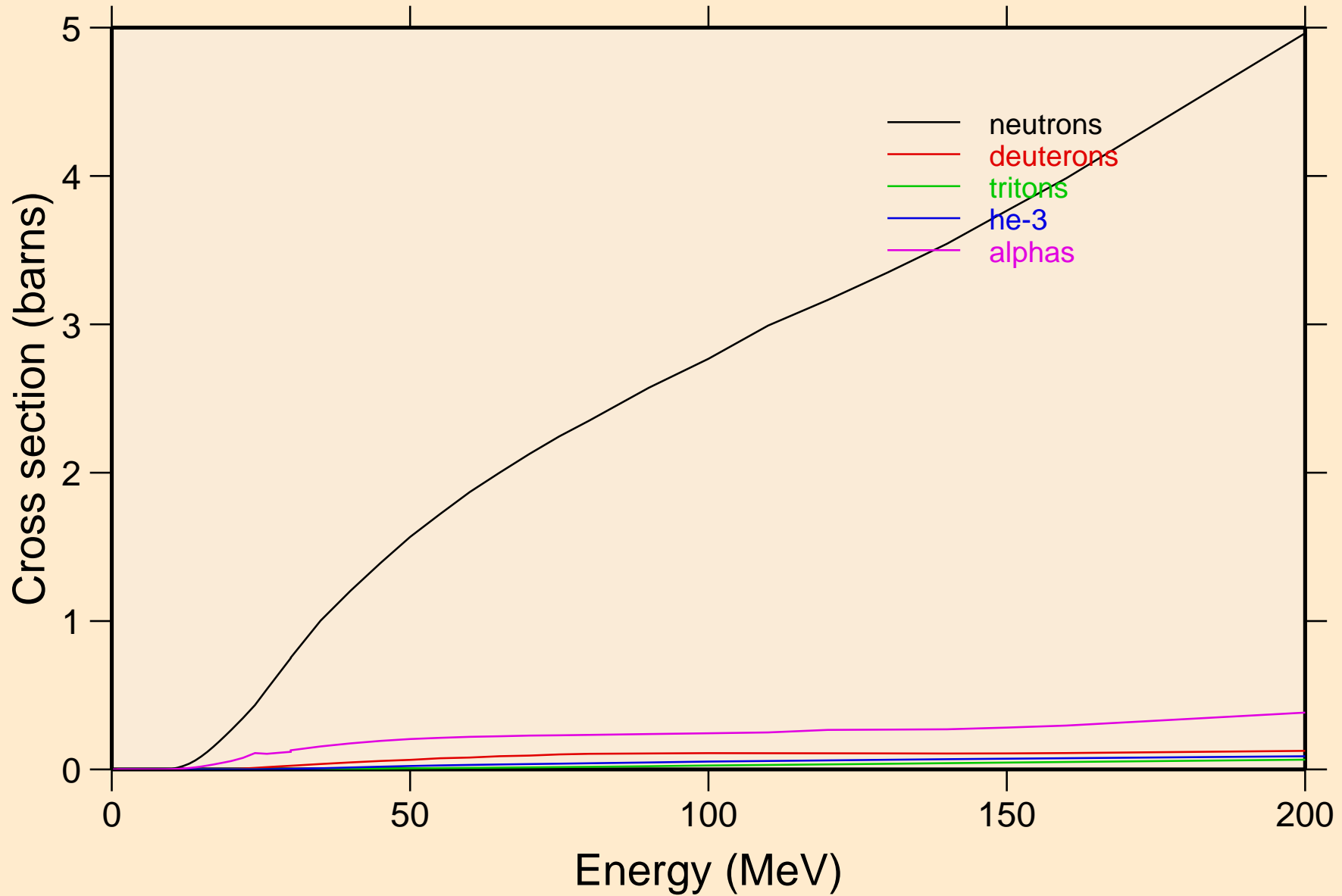
# IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Recoil Heating

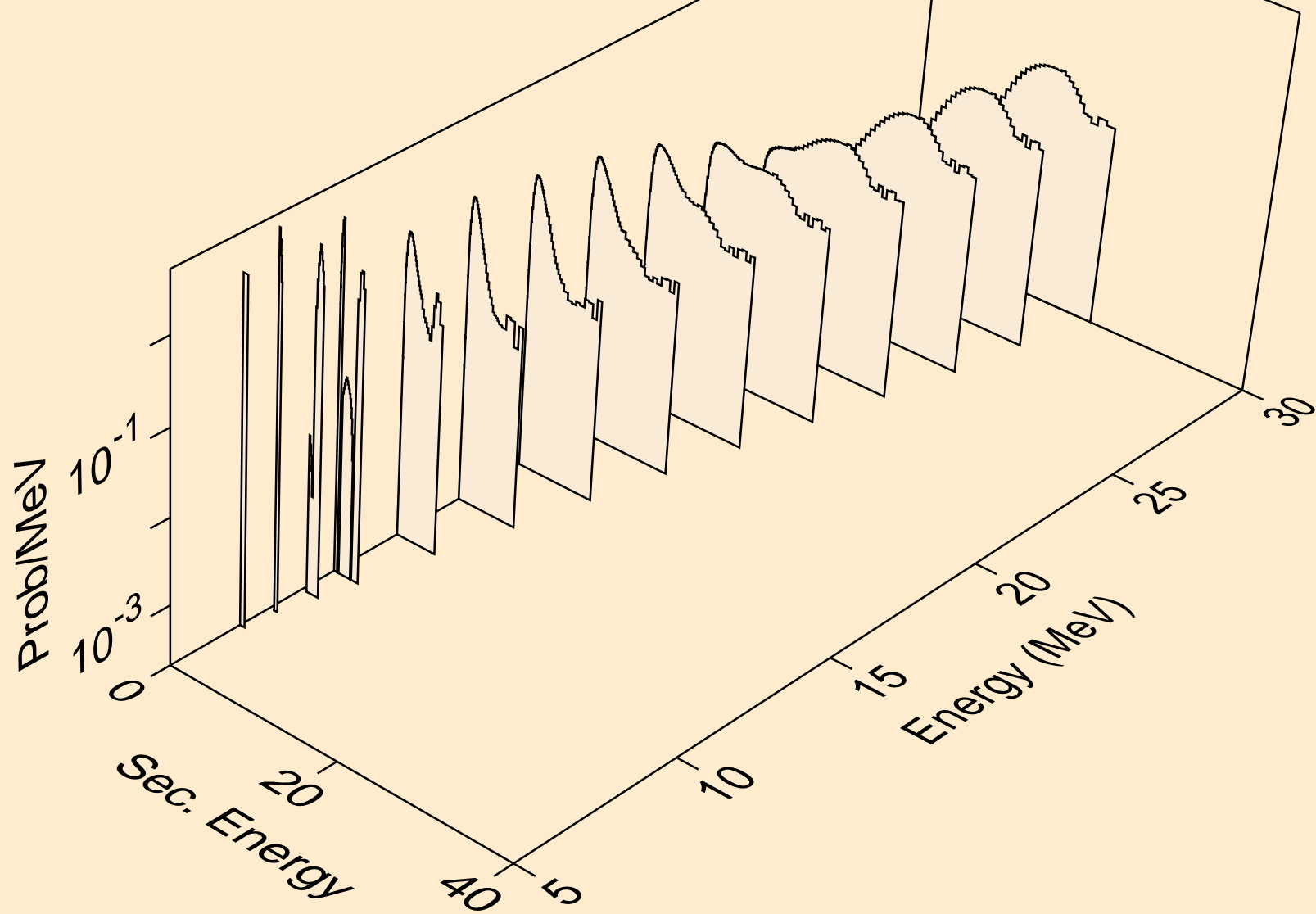




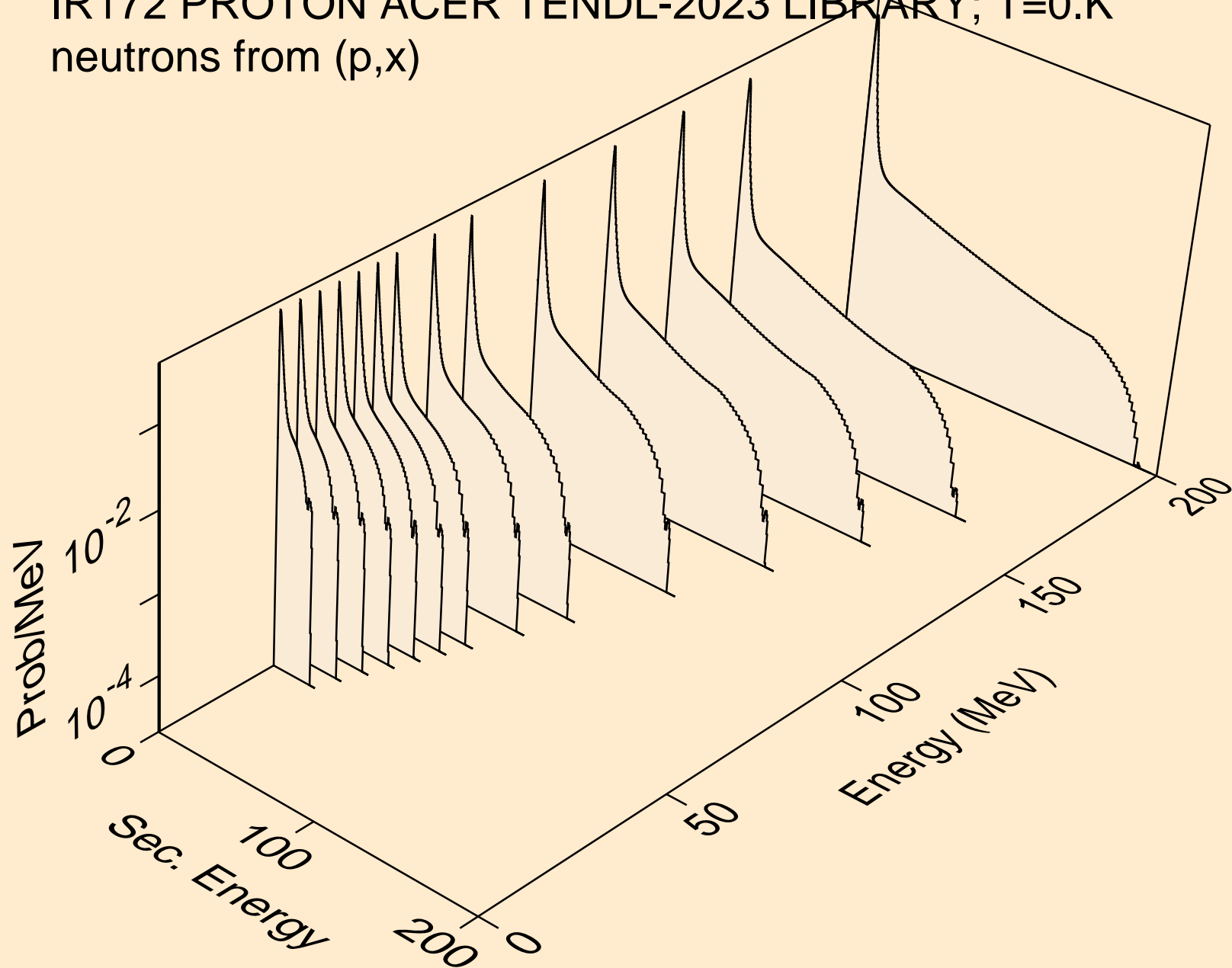
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



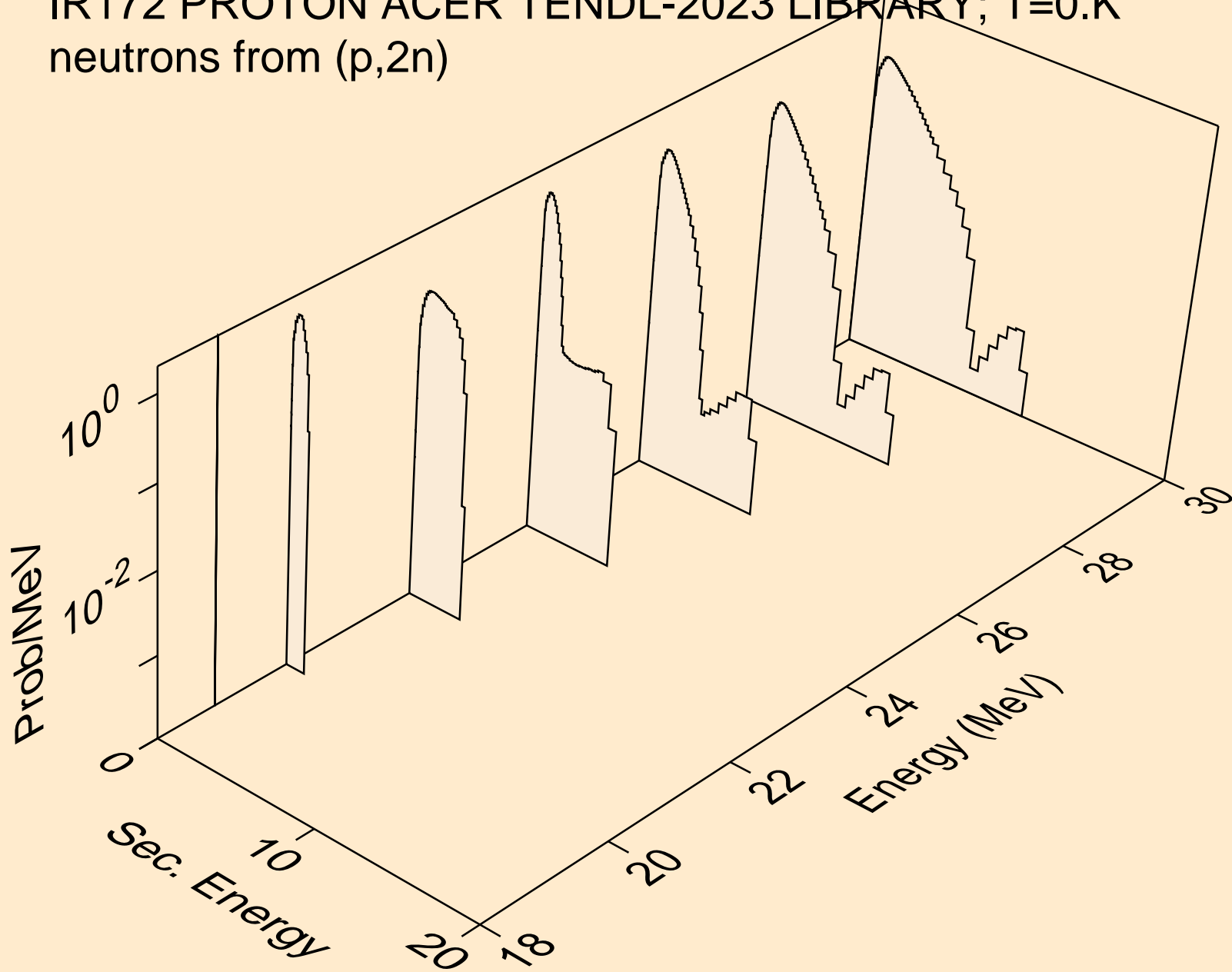
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



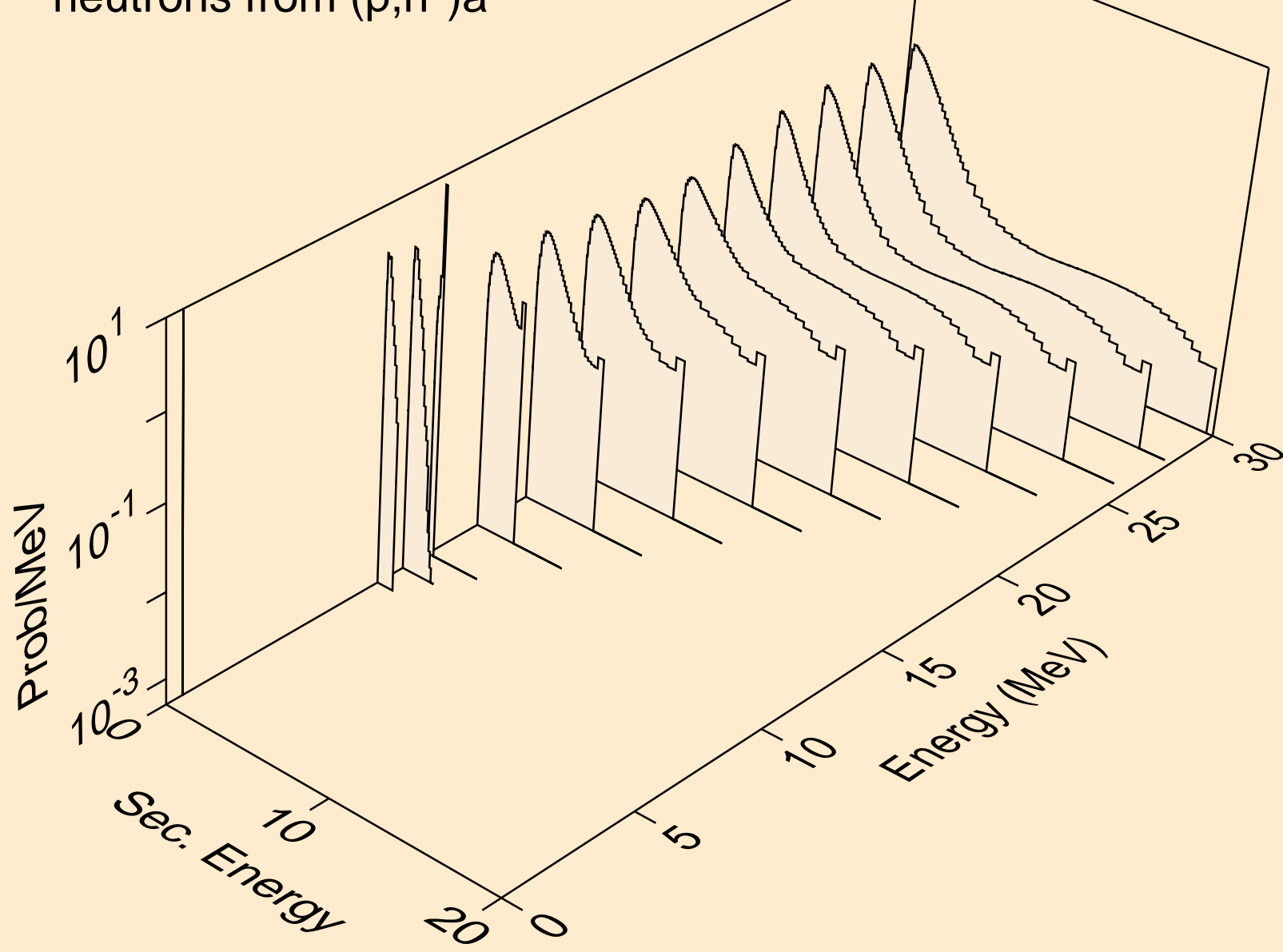
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)



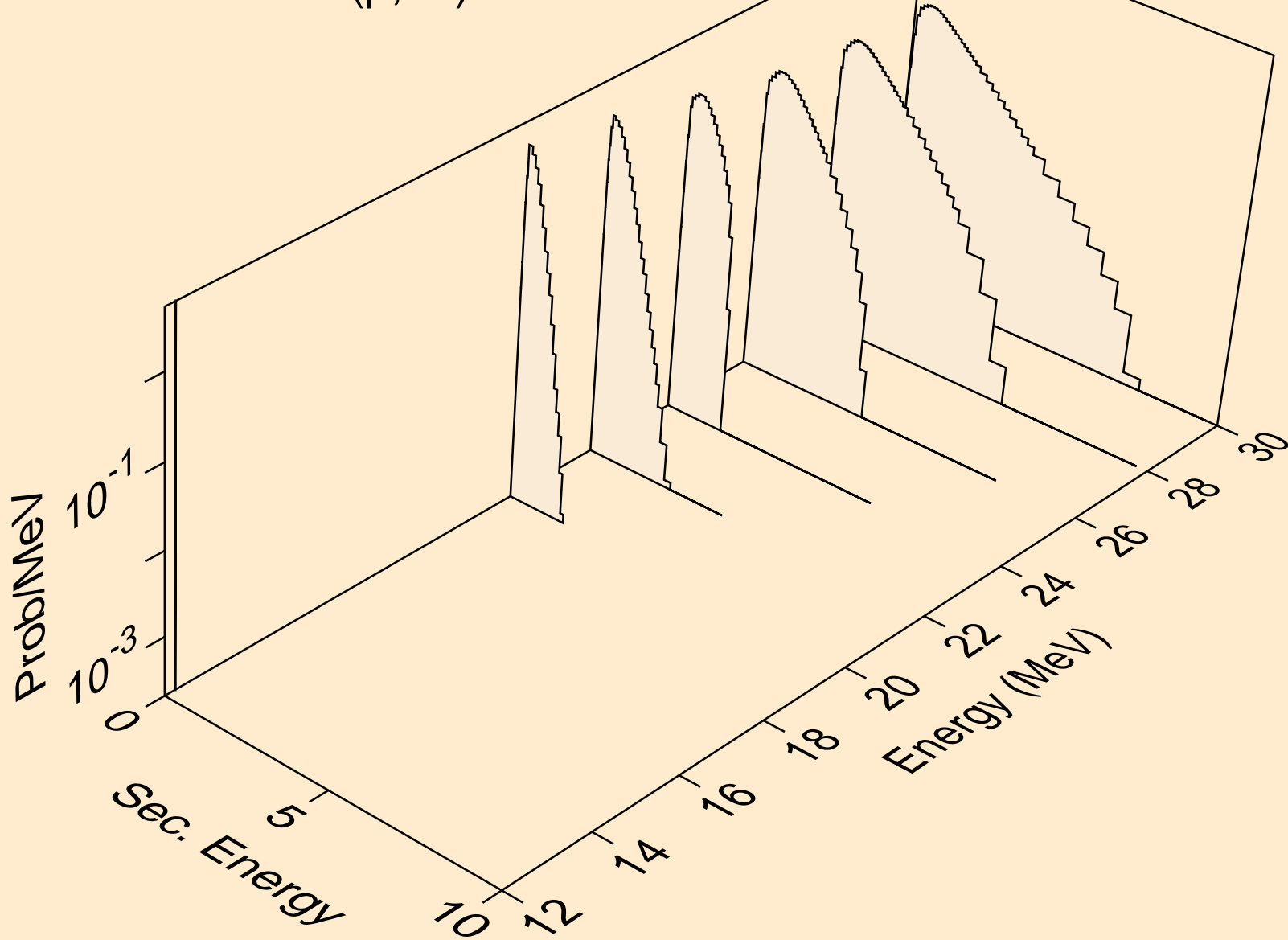
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)



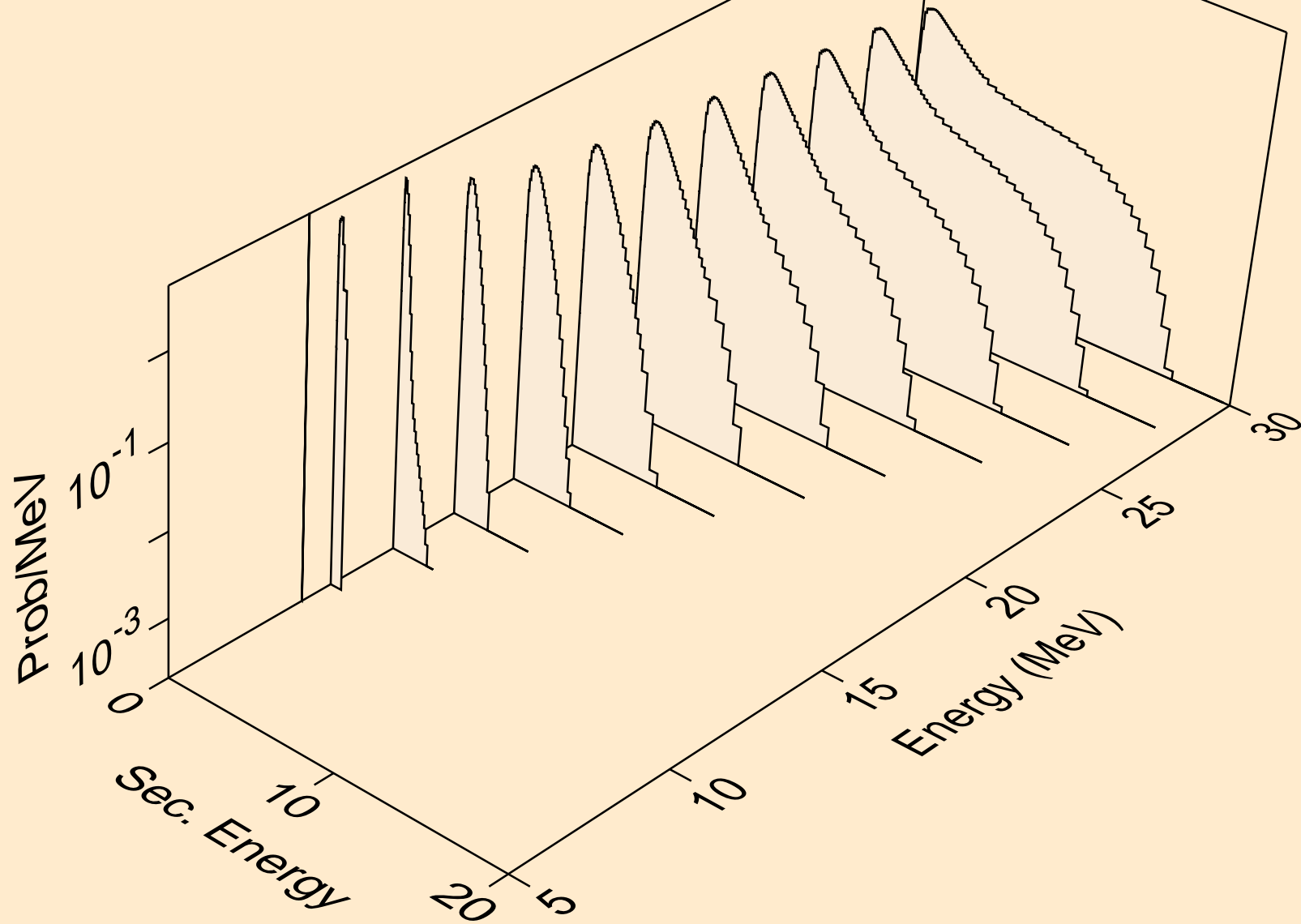
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a



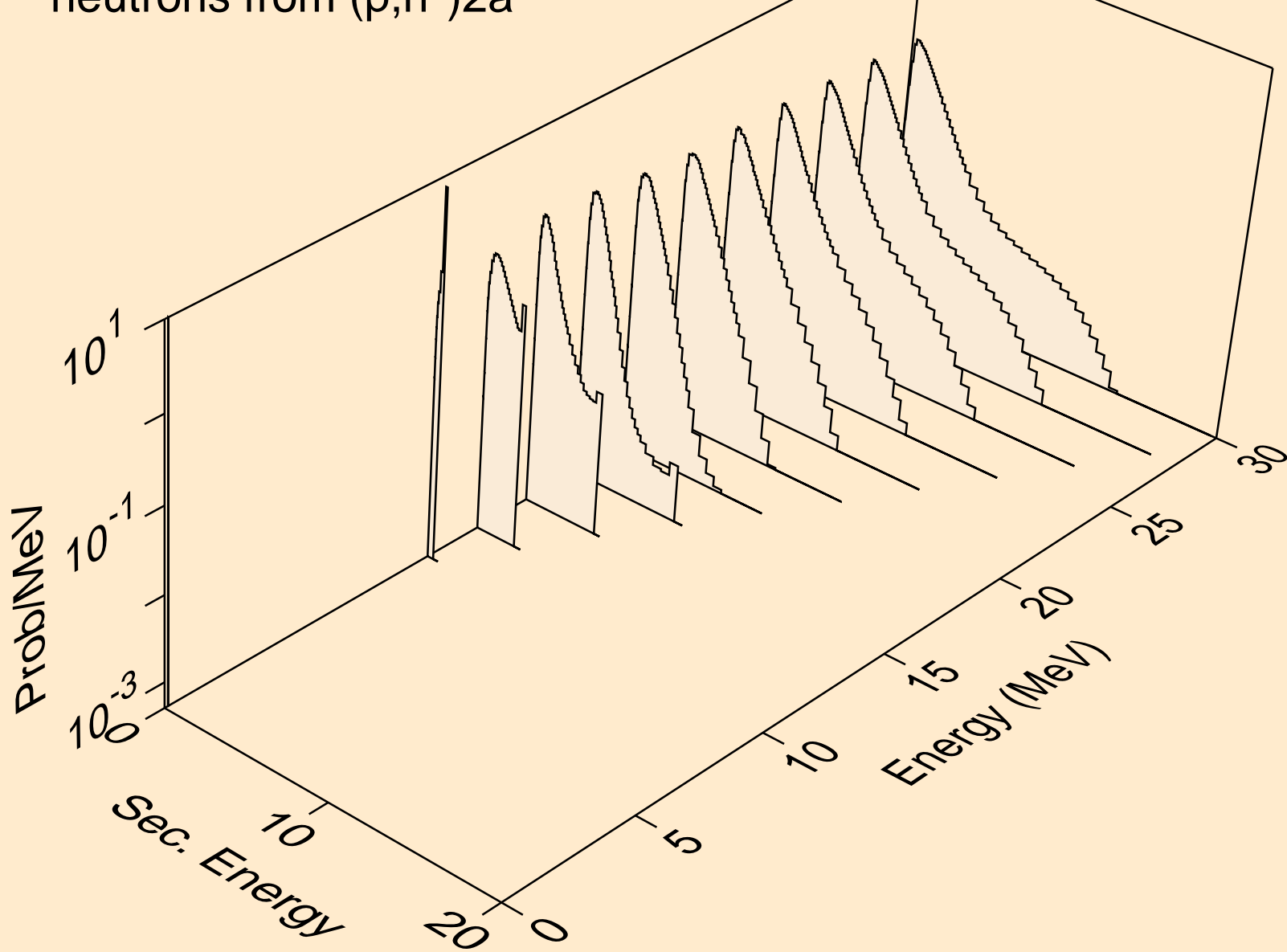
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)a



IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)p

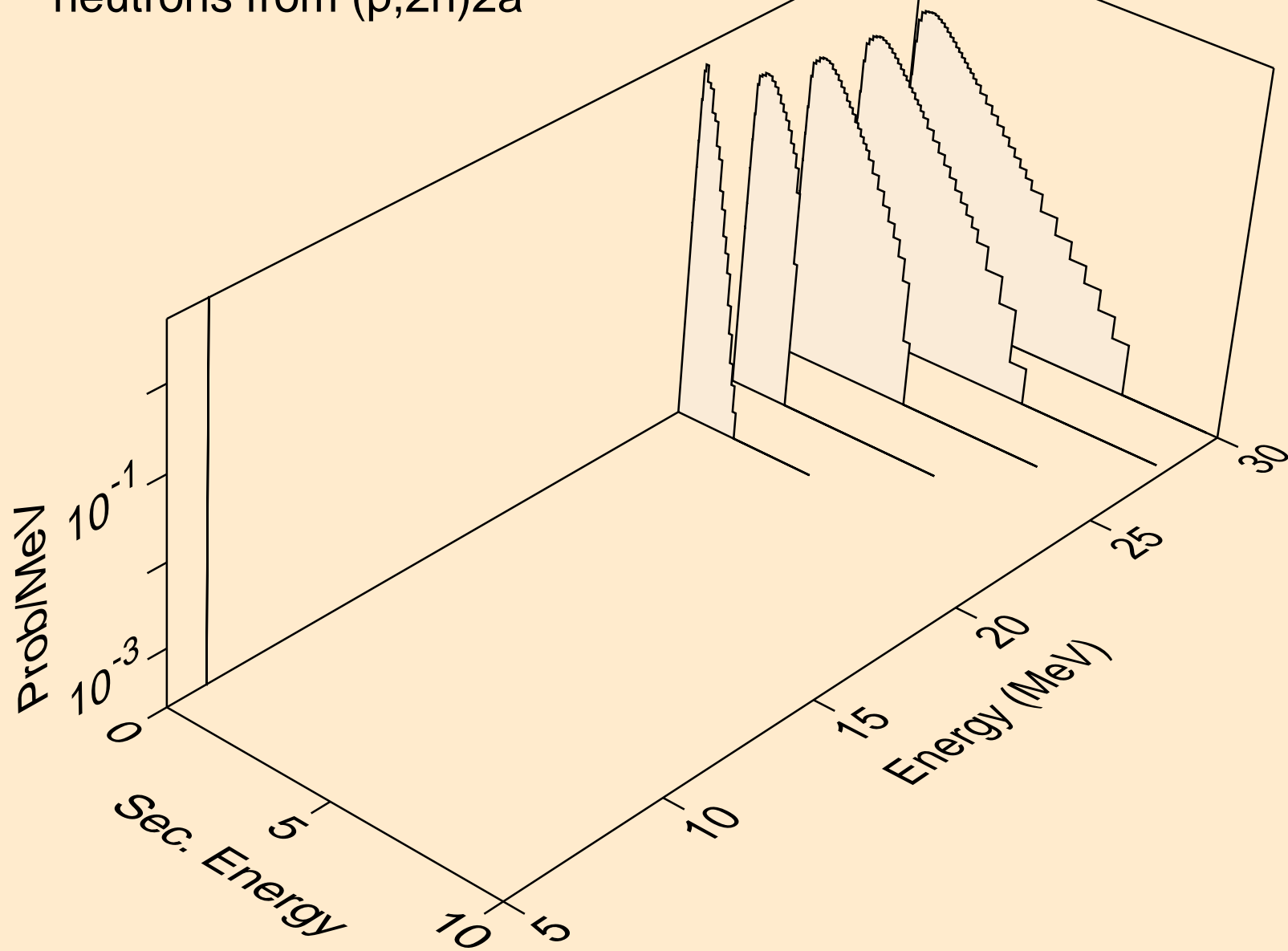


IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)2a

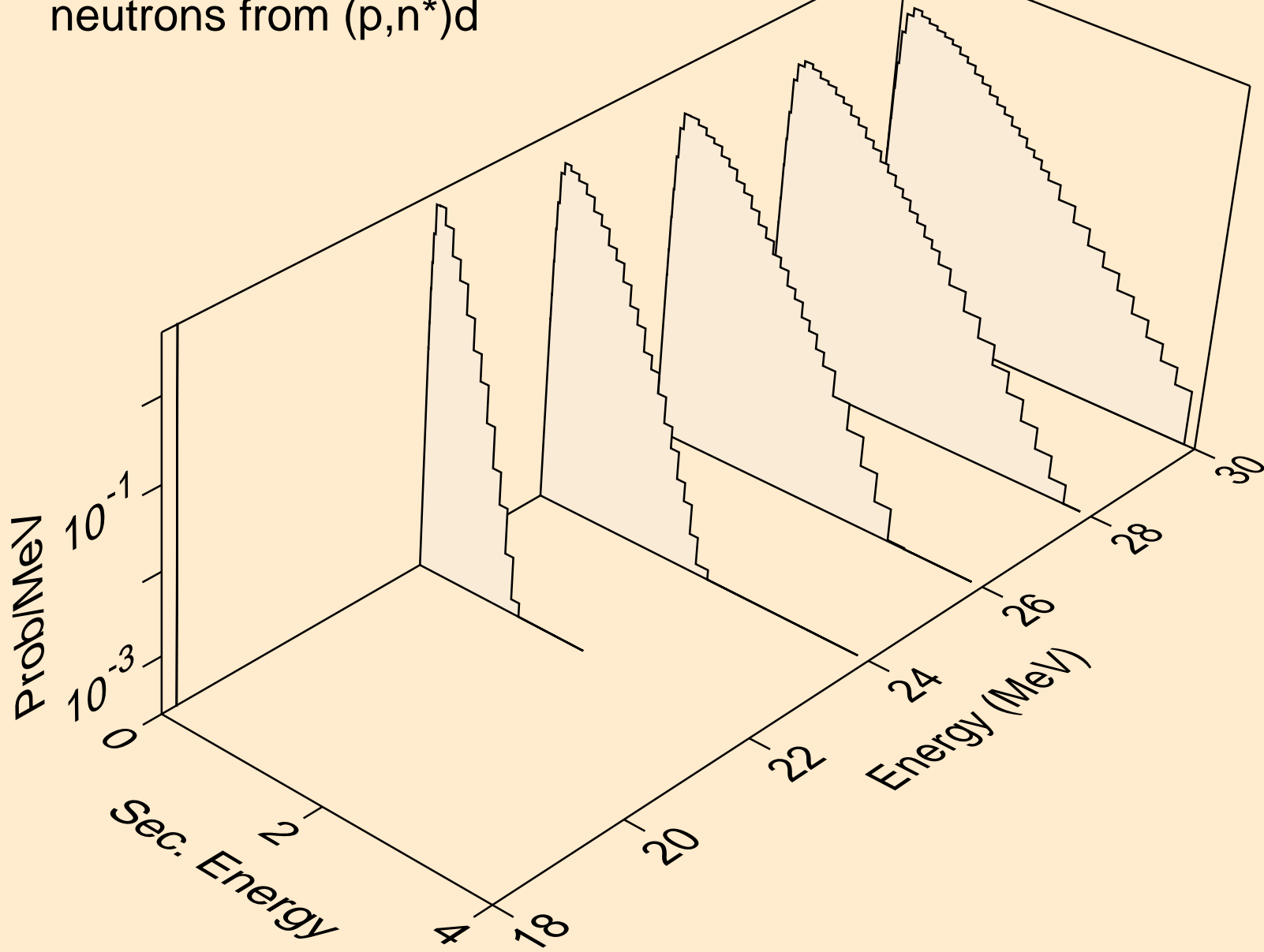




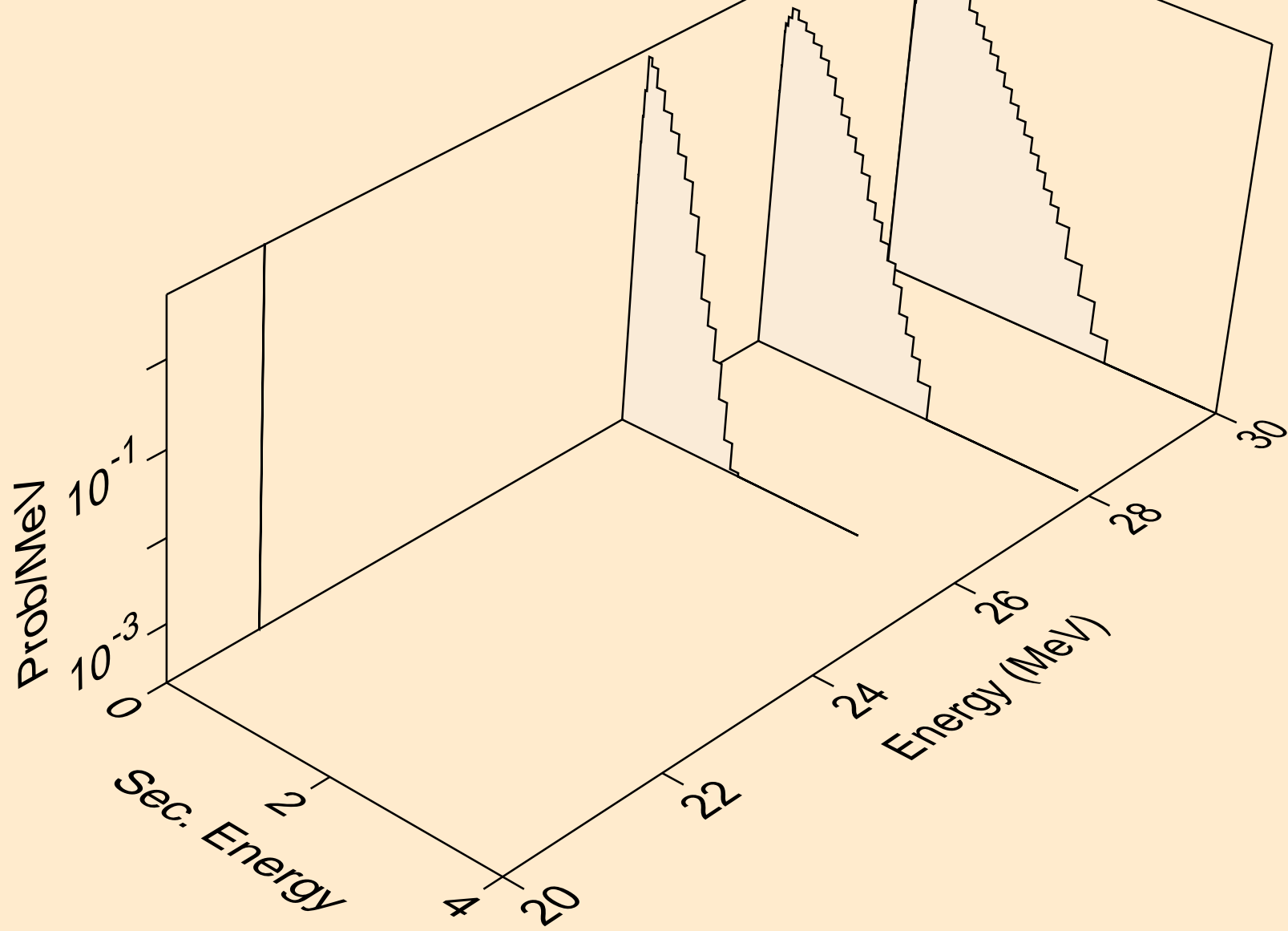
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)2a



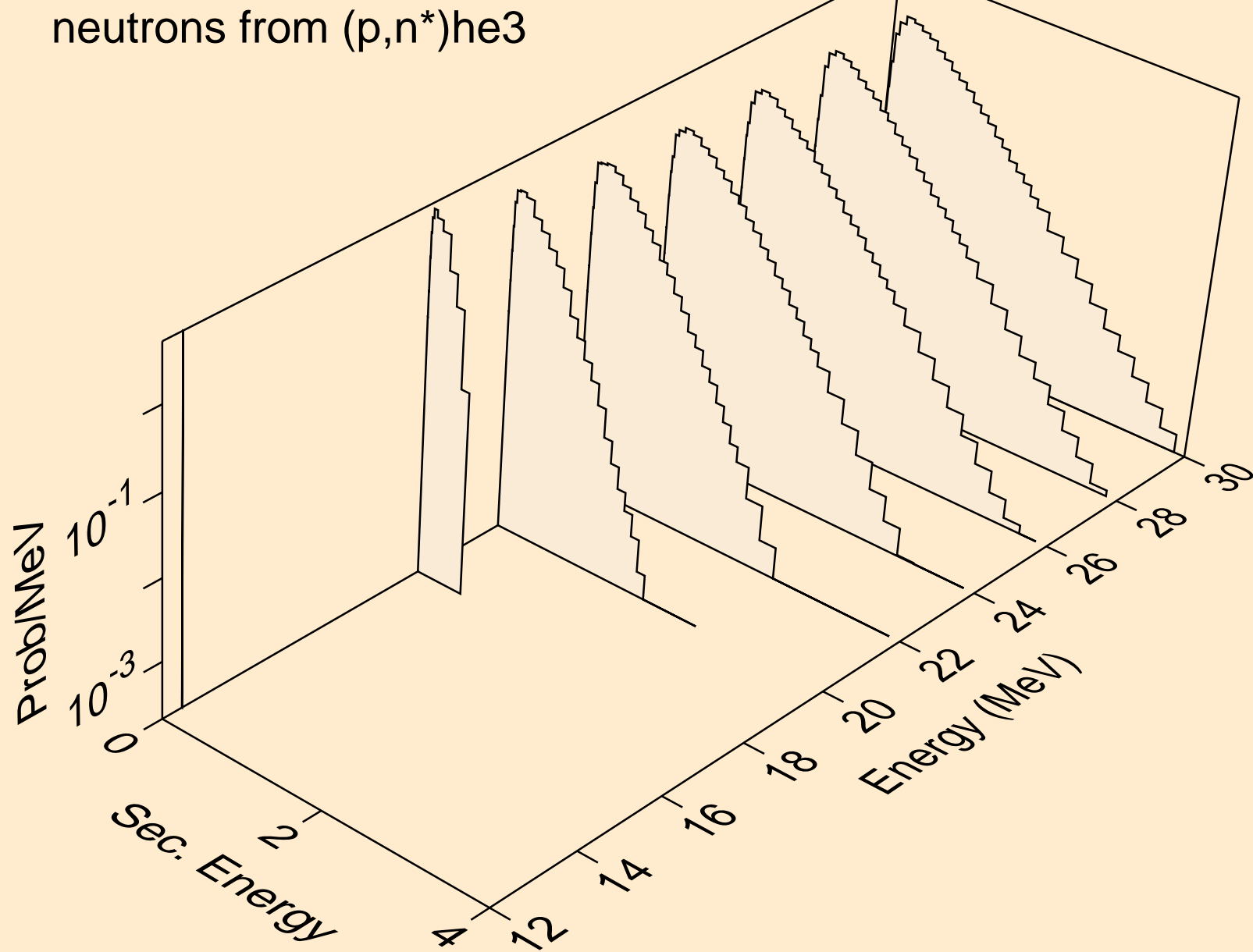
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)d



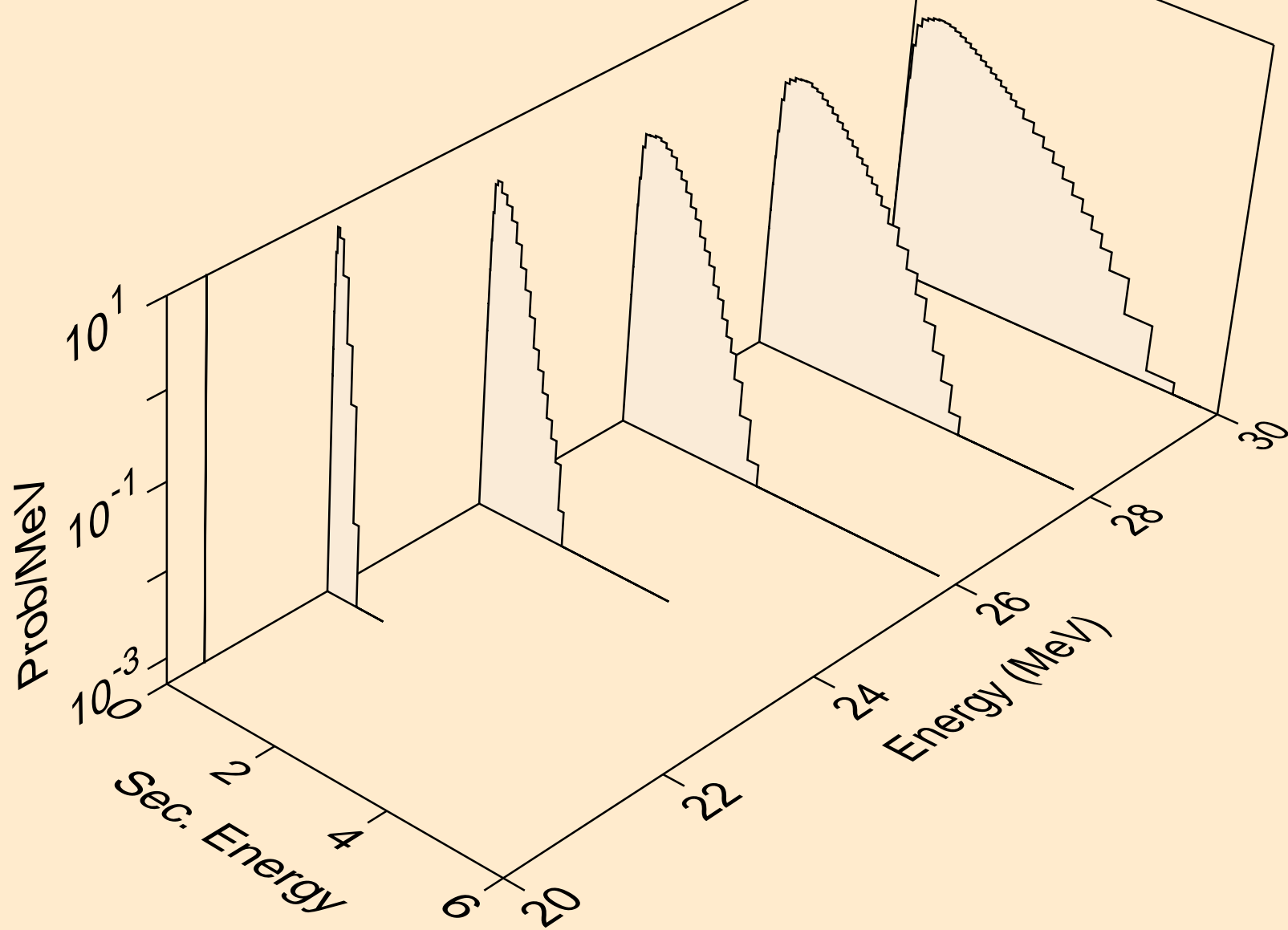
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)t



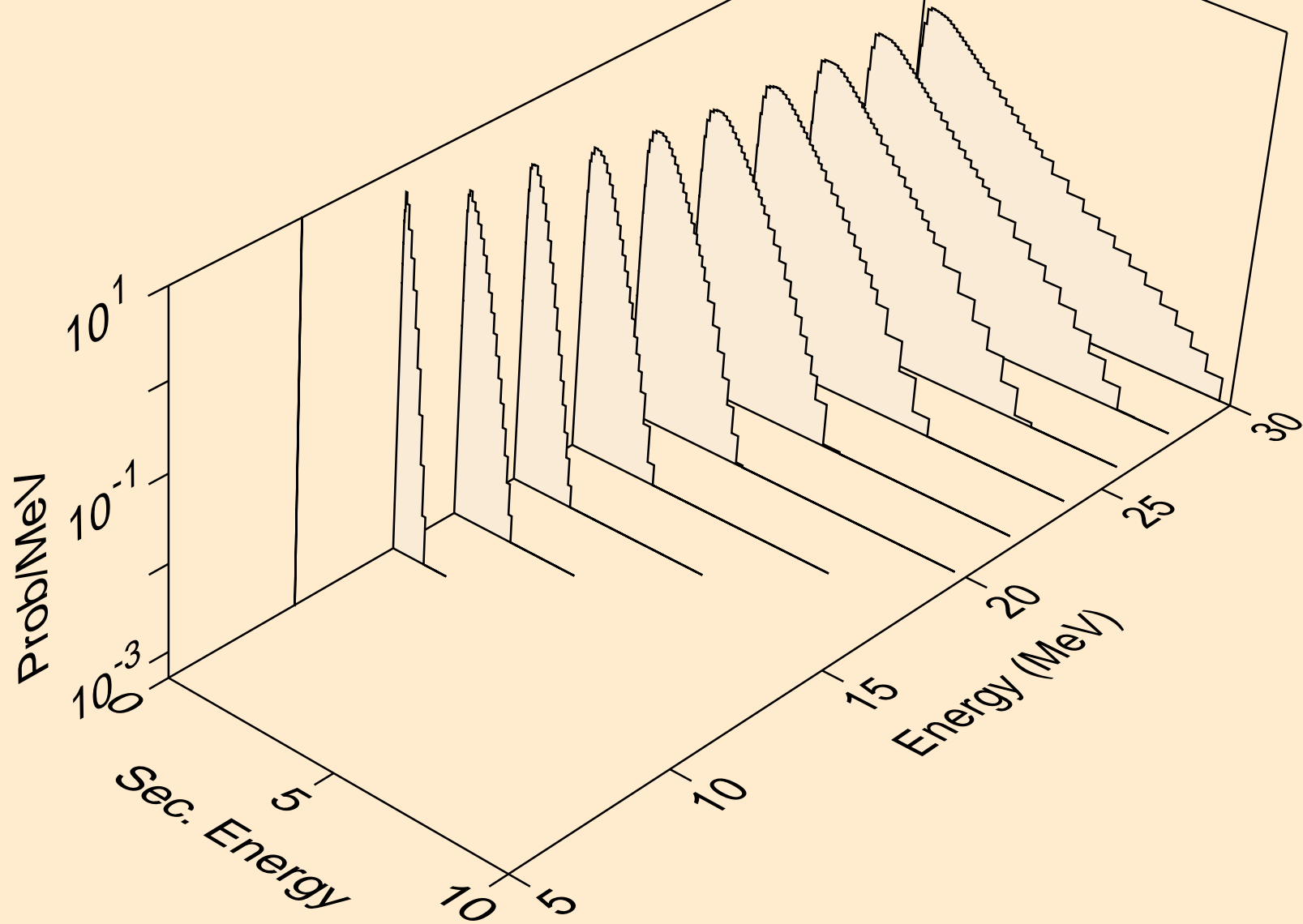
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



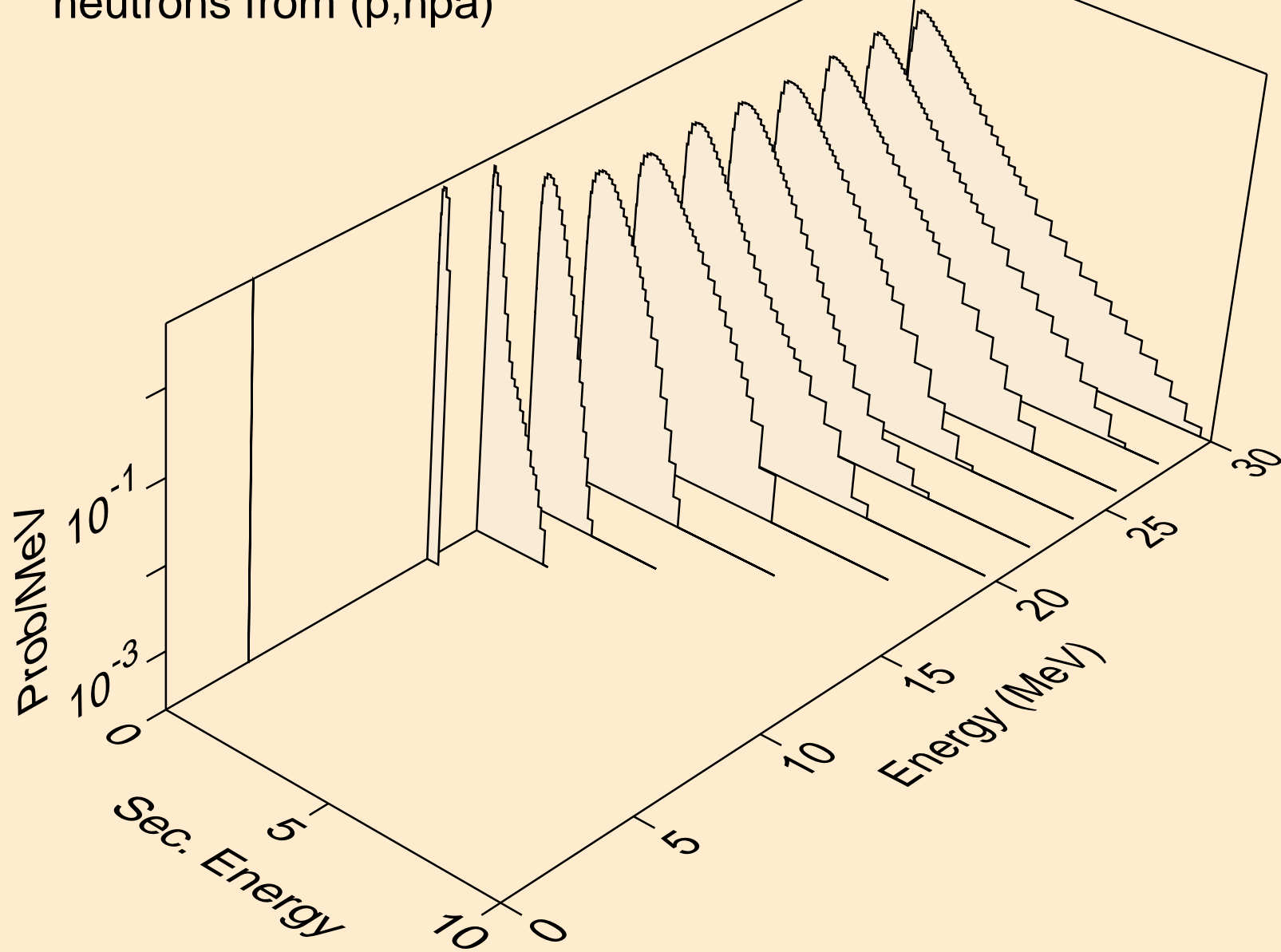
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2np)



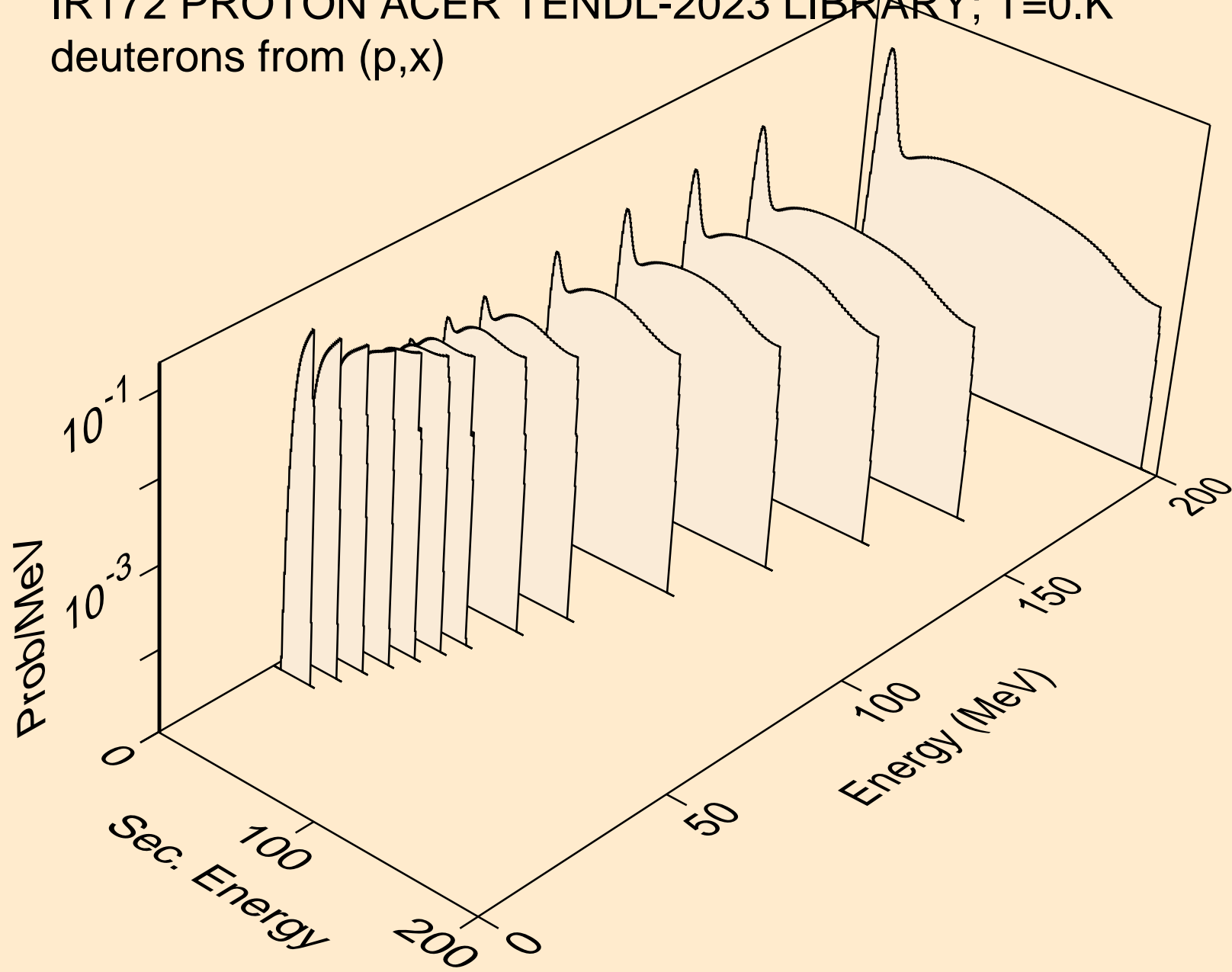
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n2p)



IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,npa)

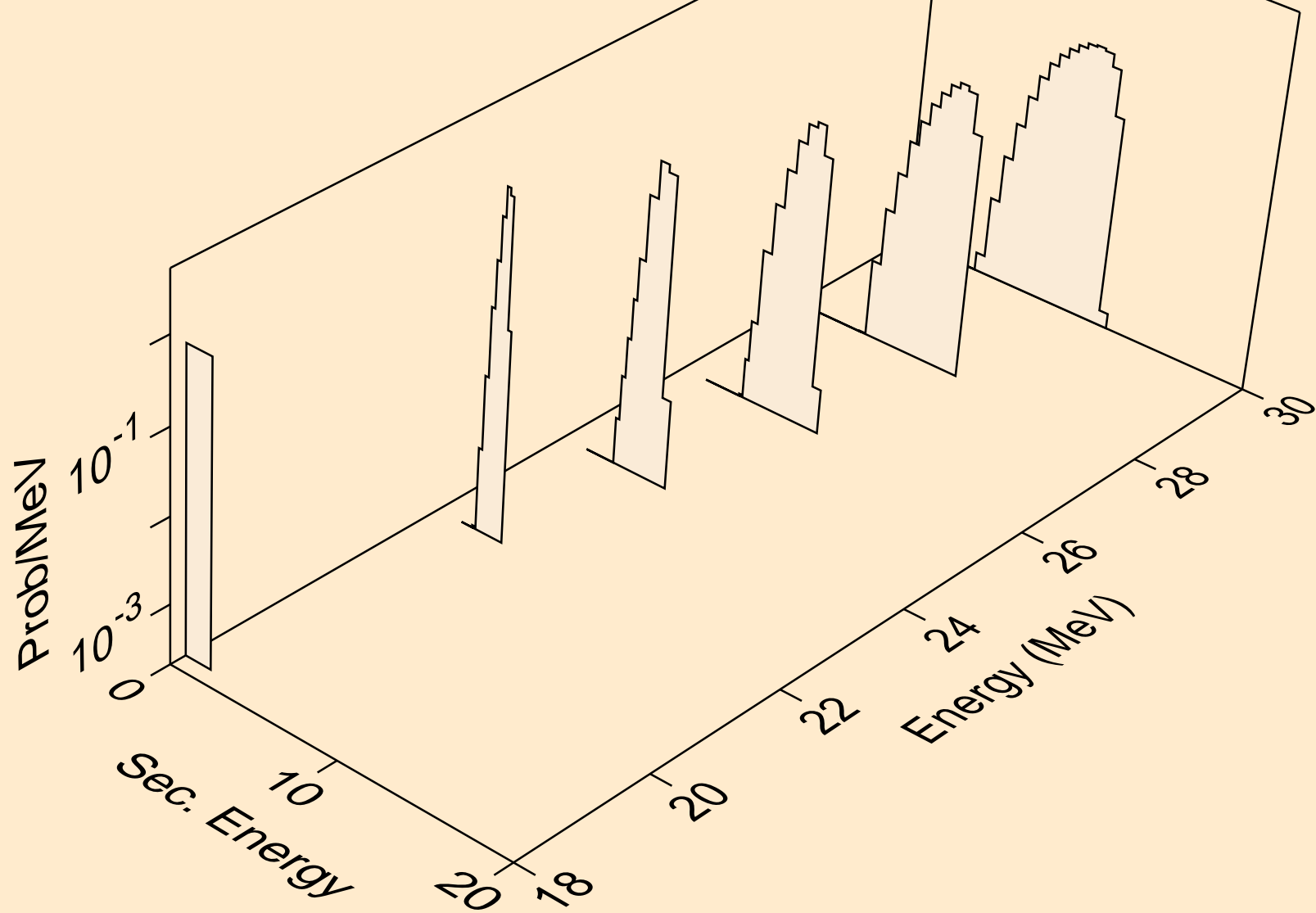


IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,x)

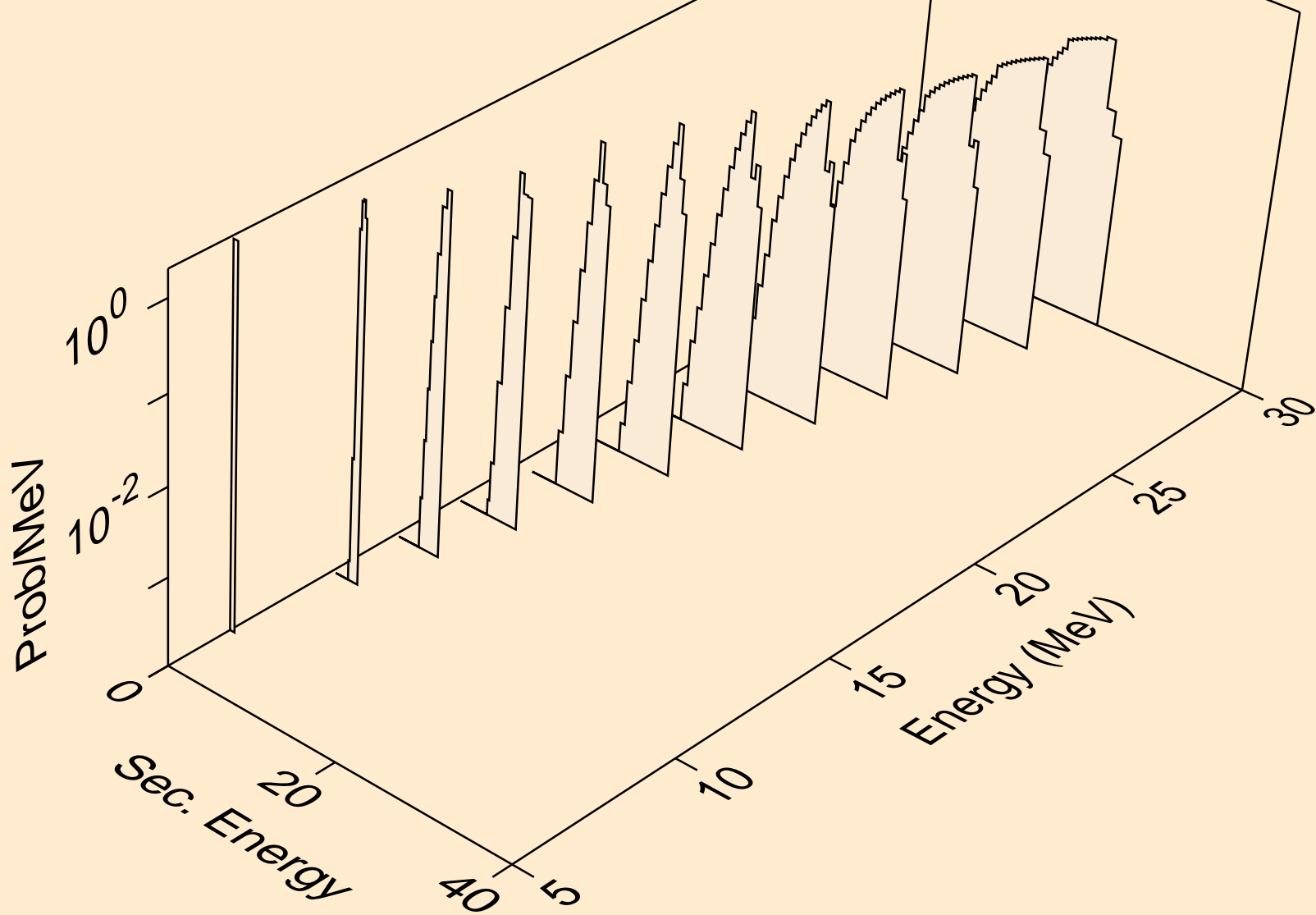




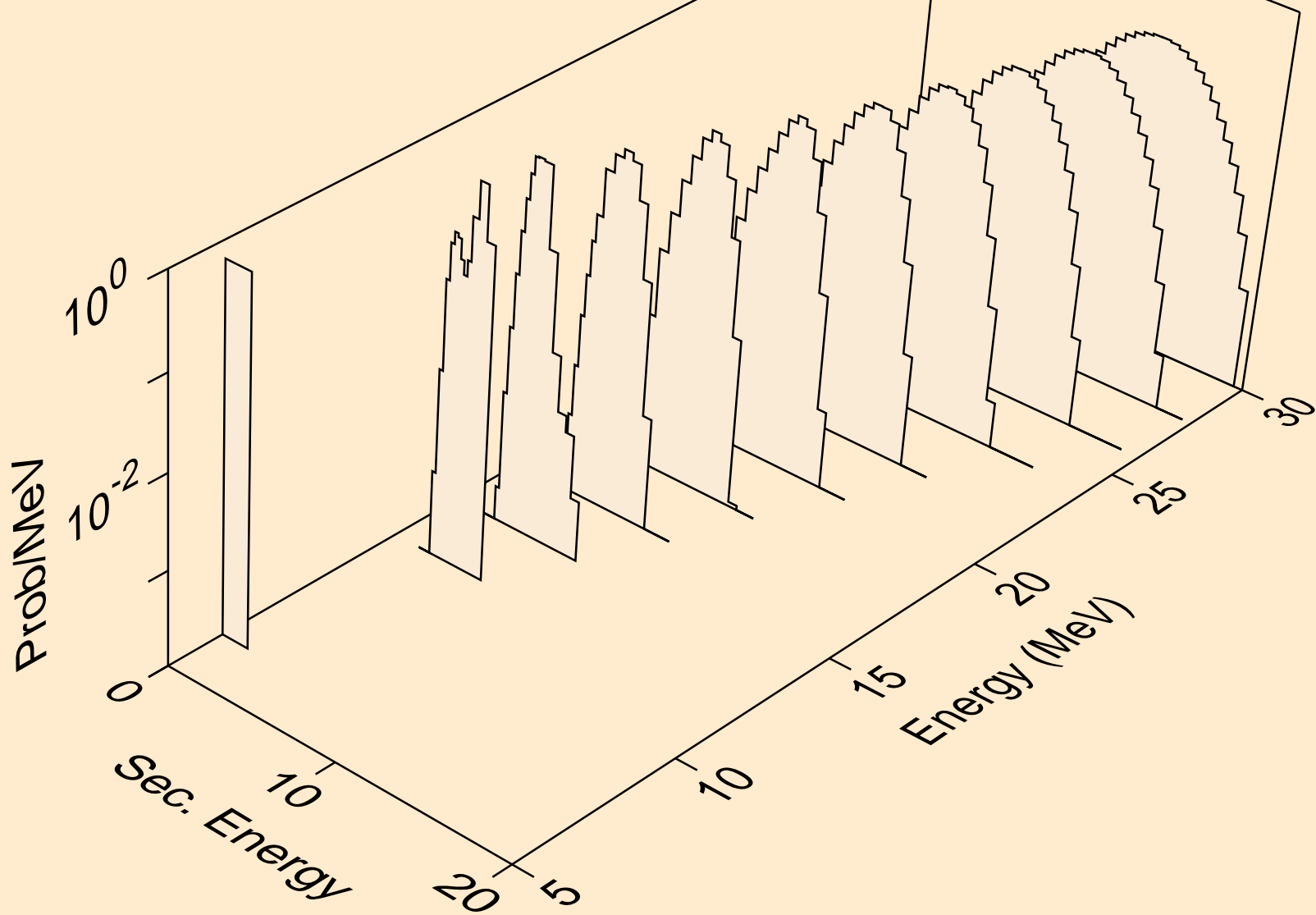
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,n\*)d



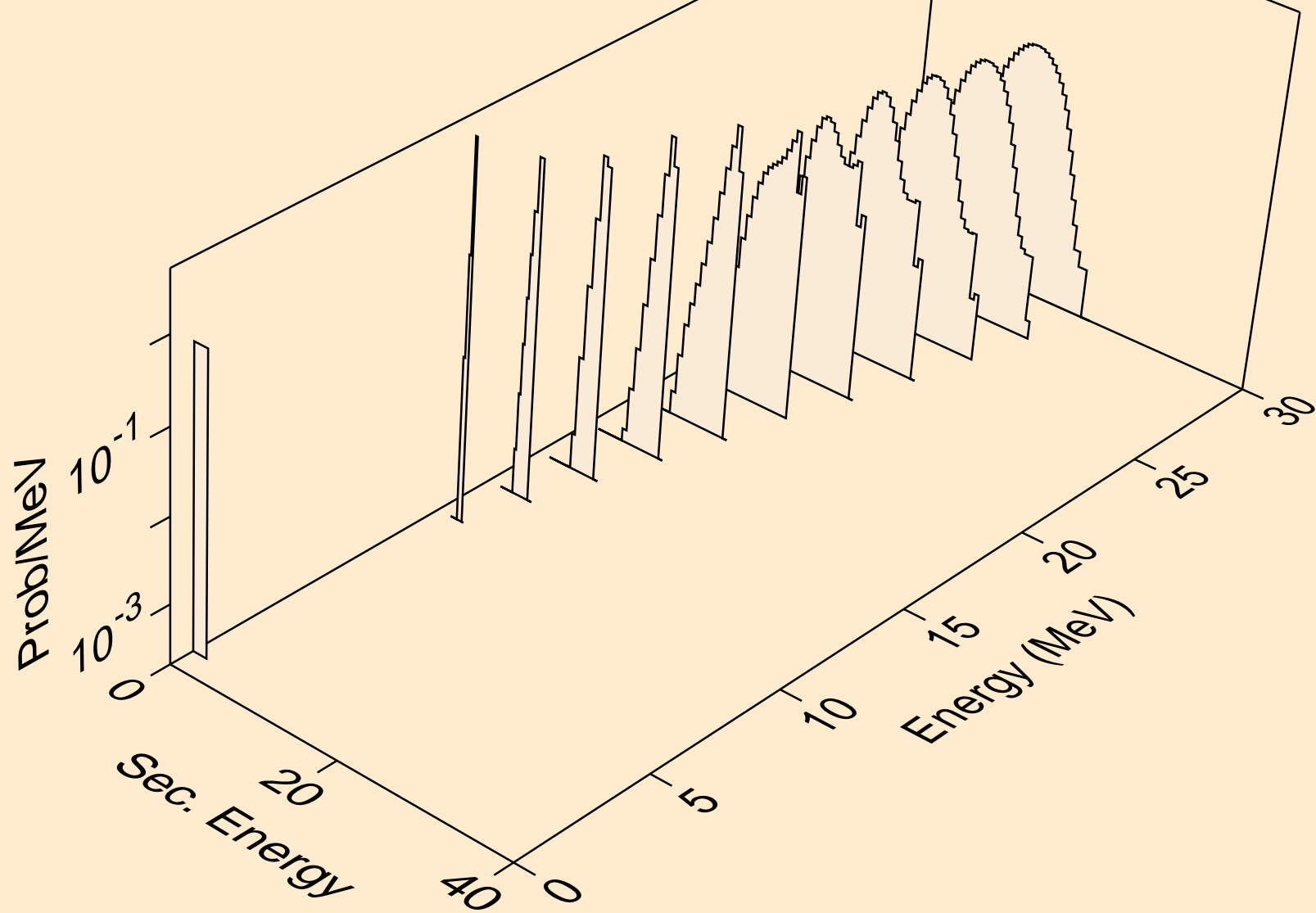
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,d)



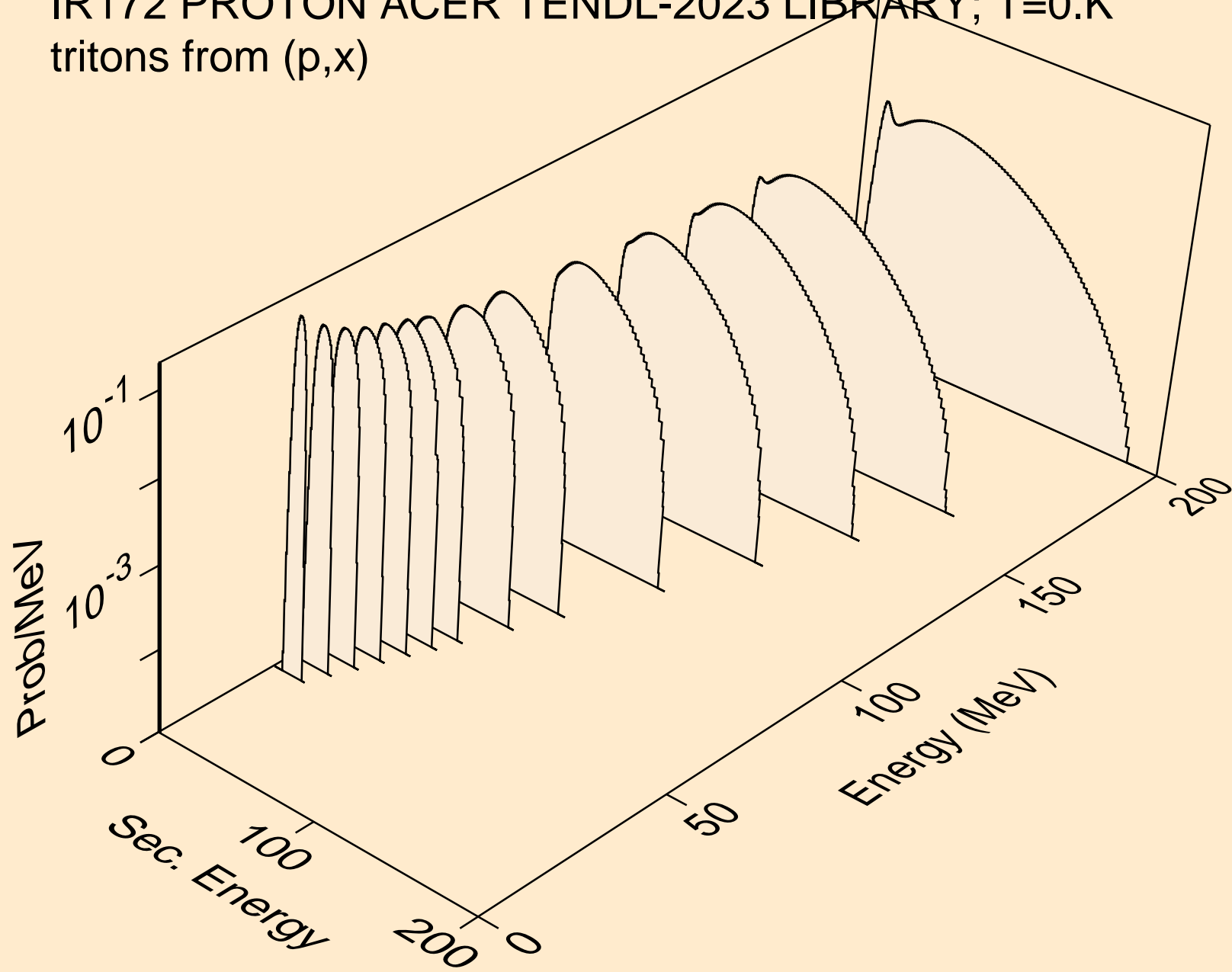
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,pd)



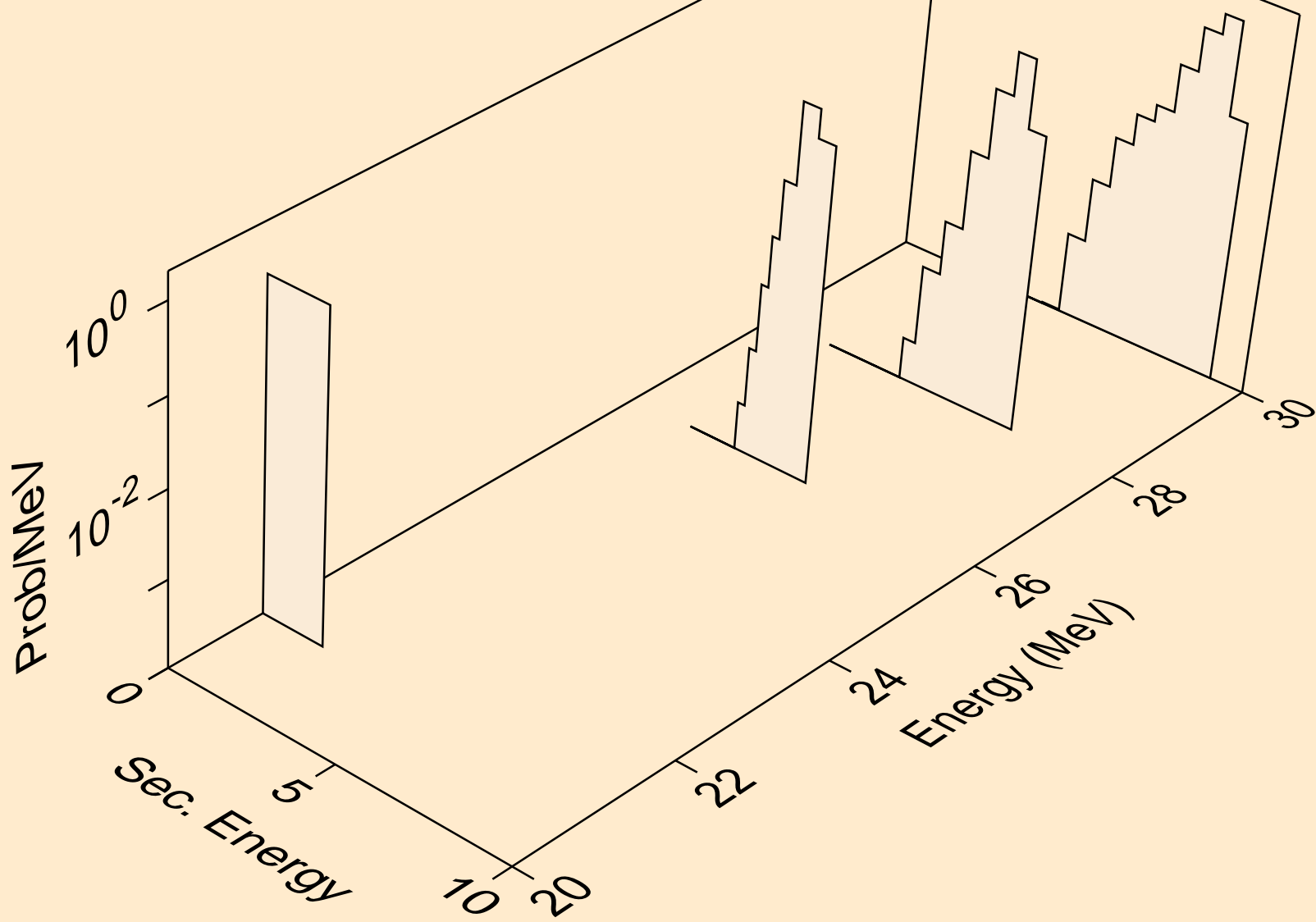
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,da)



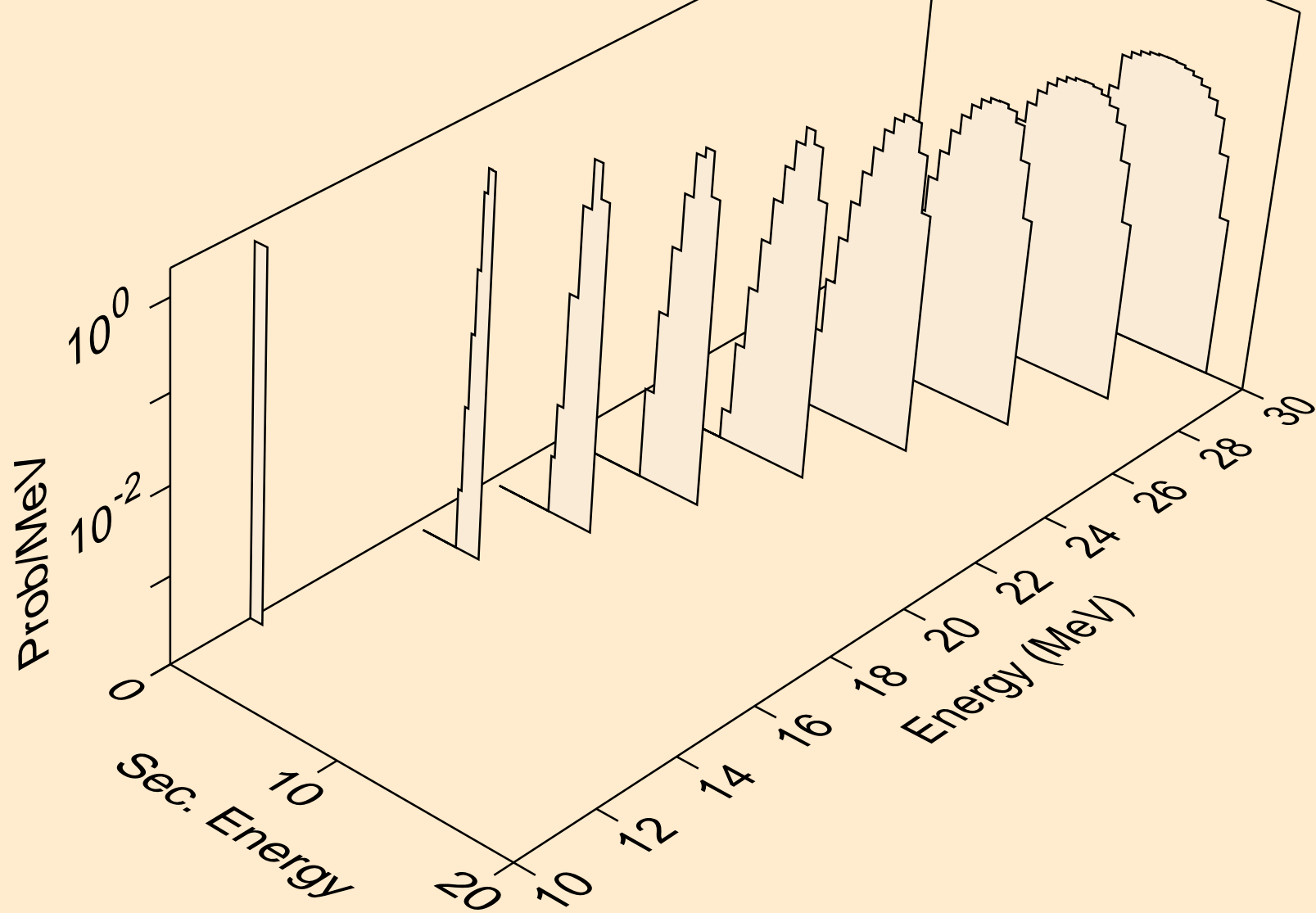
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)



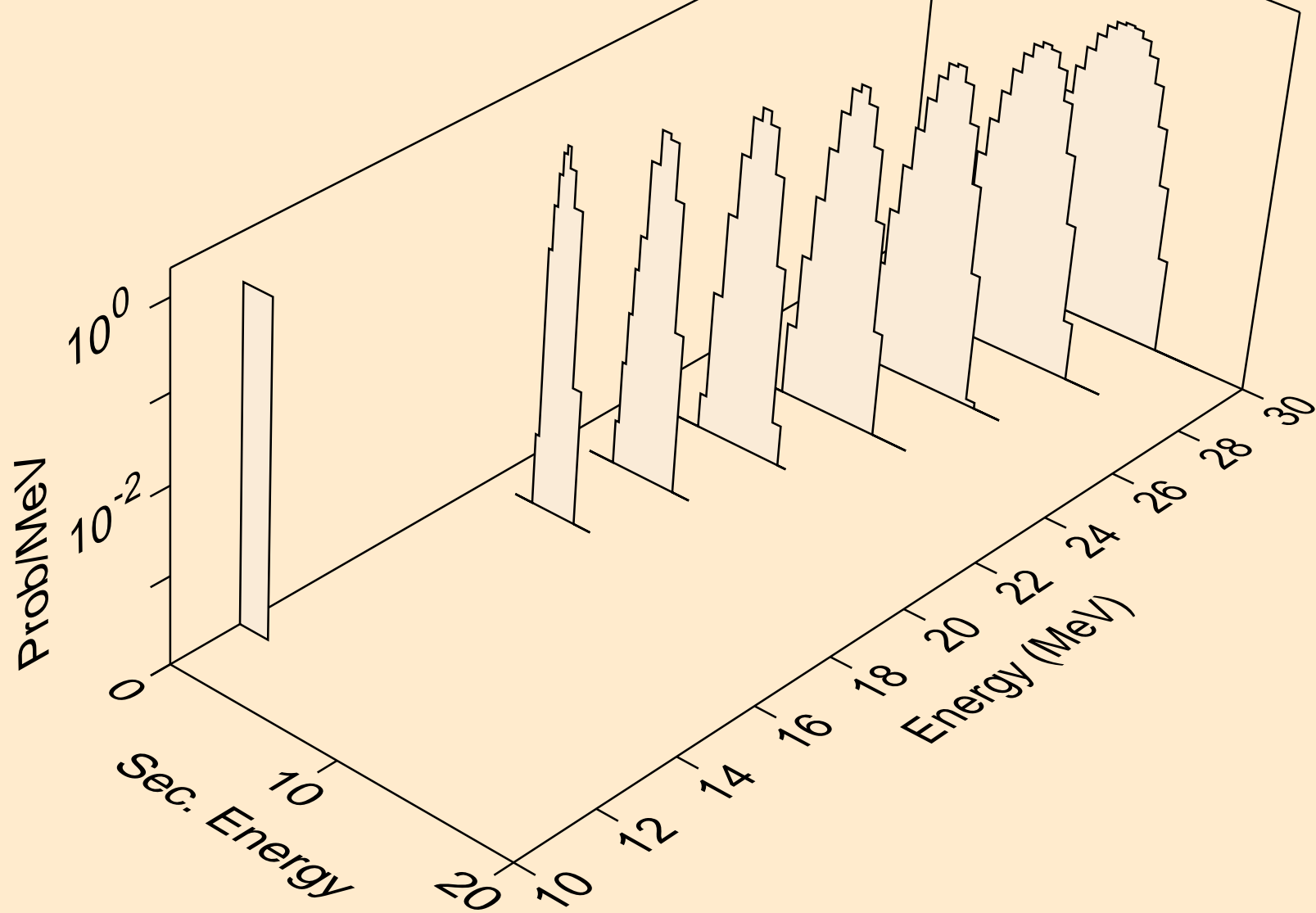
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,n\*)t



IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,t)

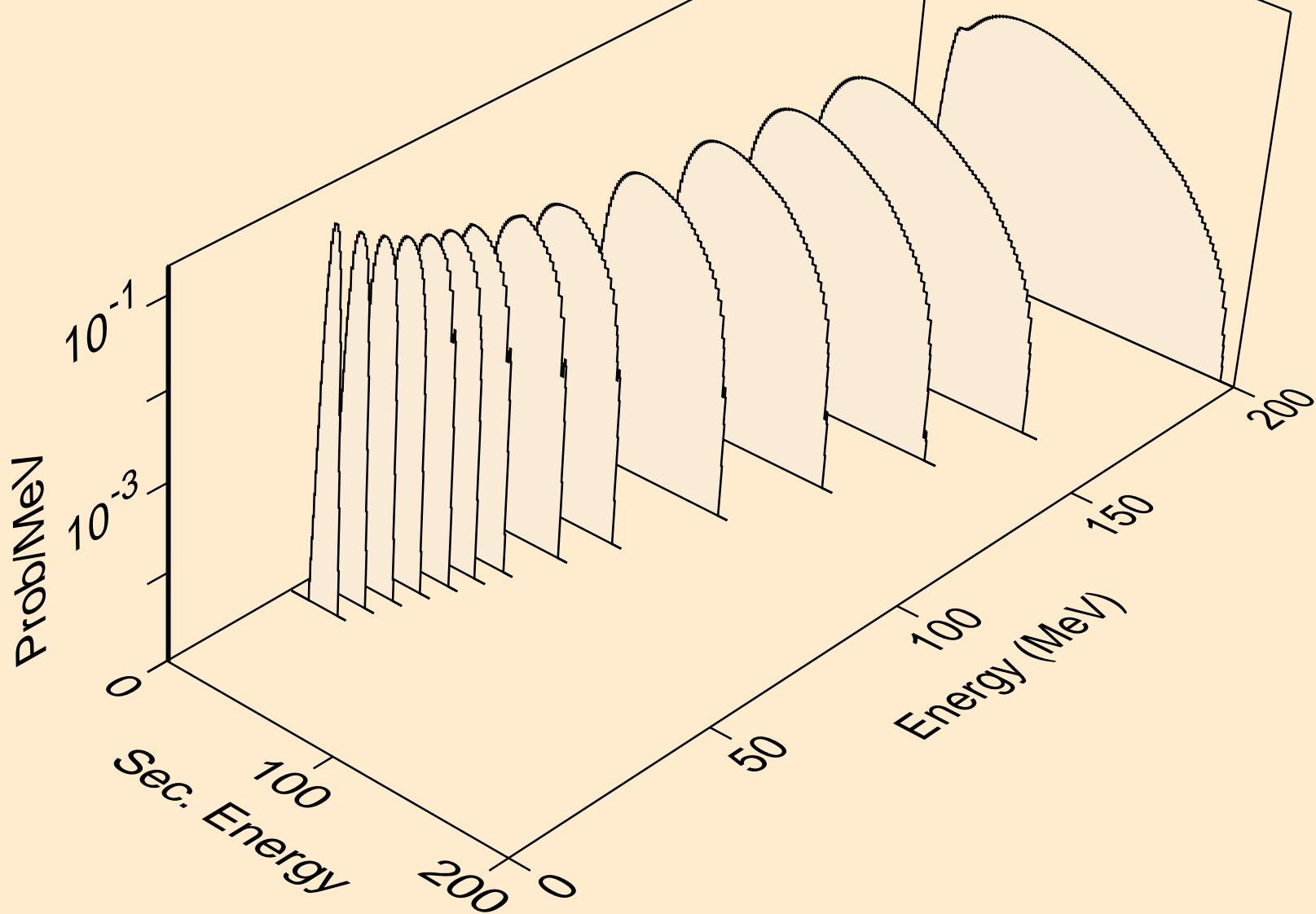


IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,pt)

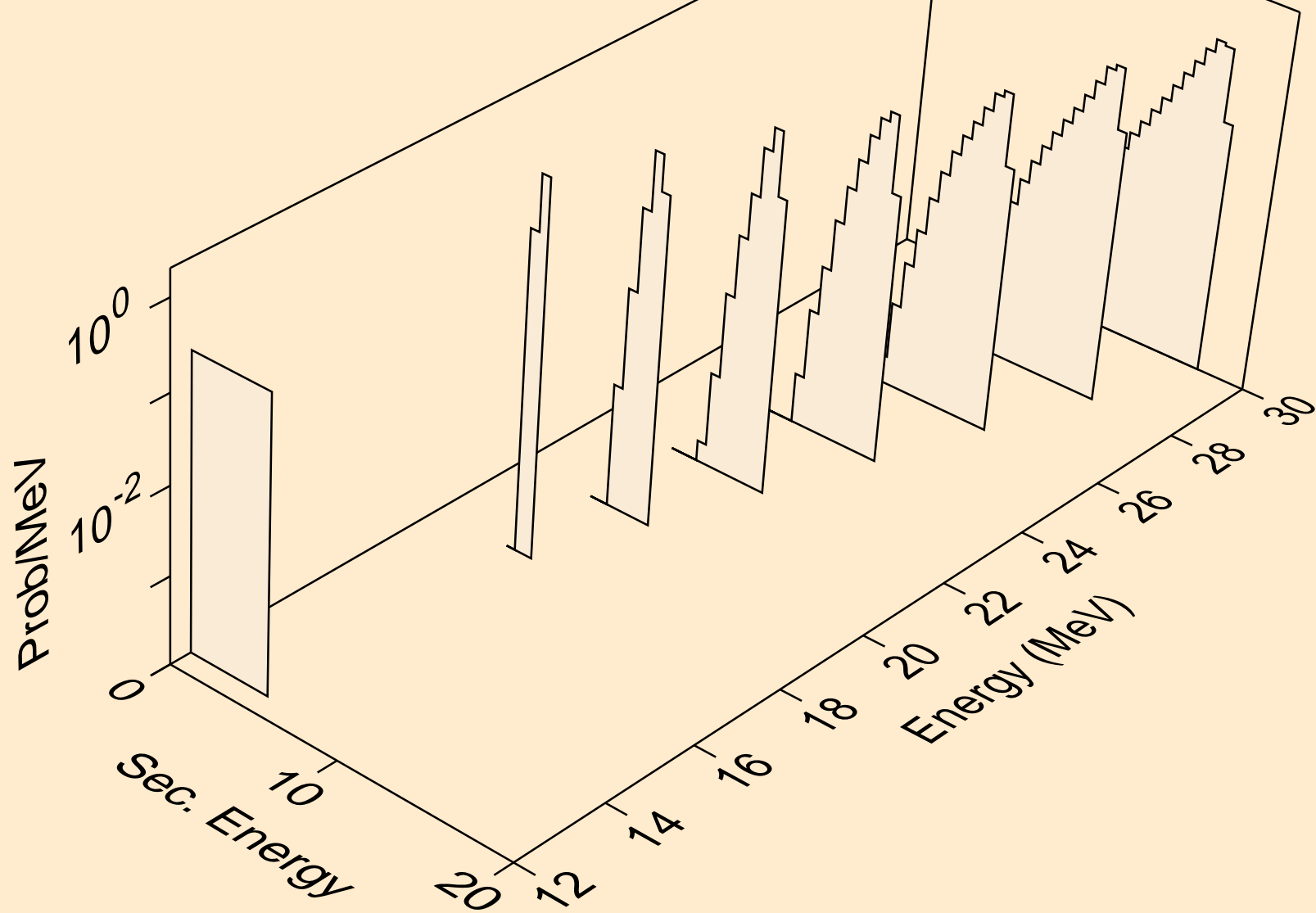




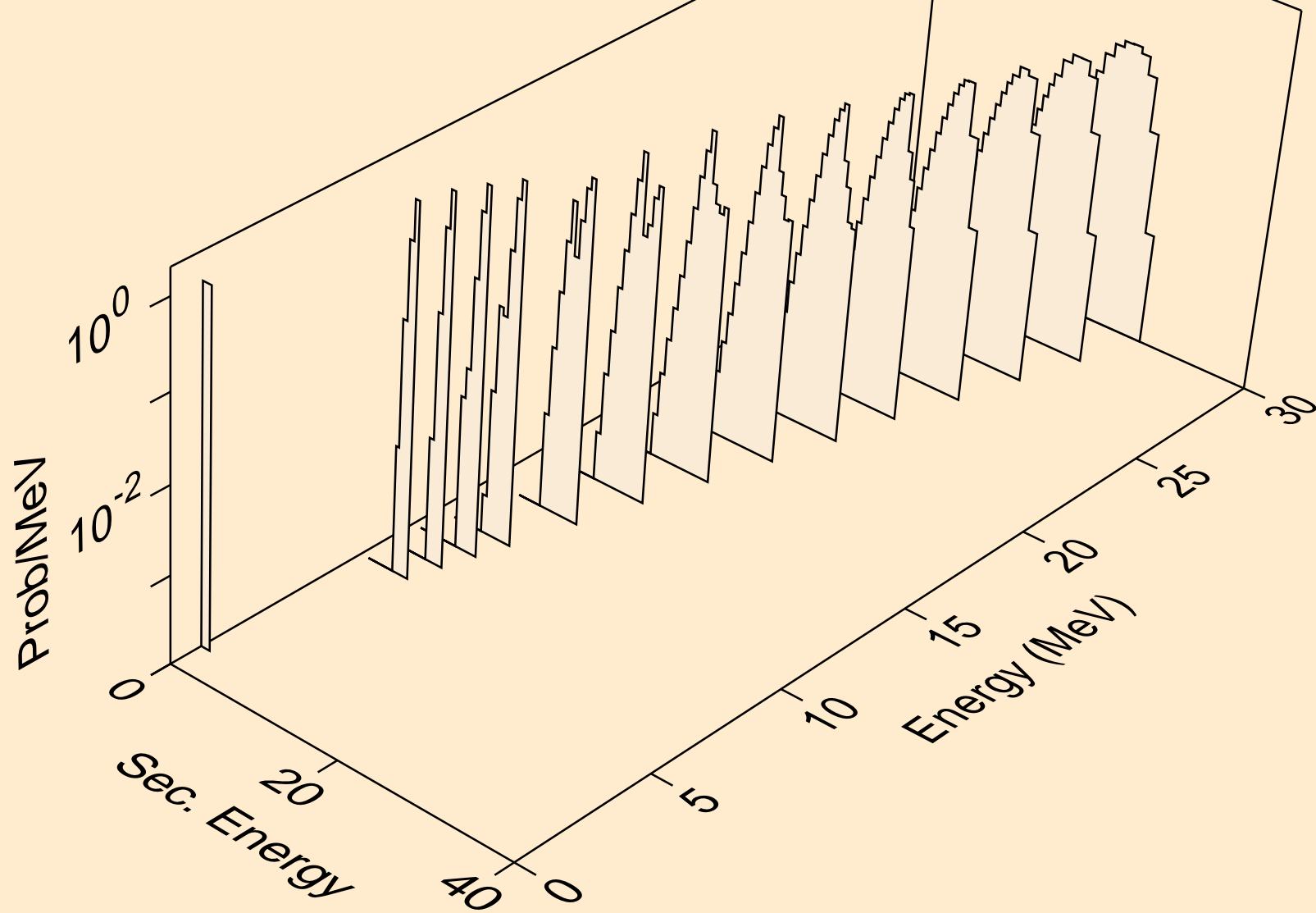
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)



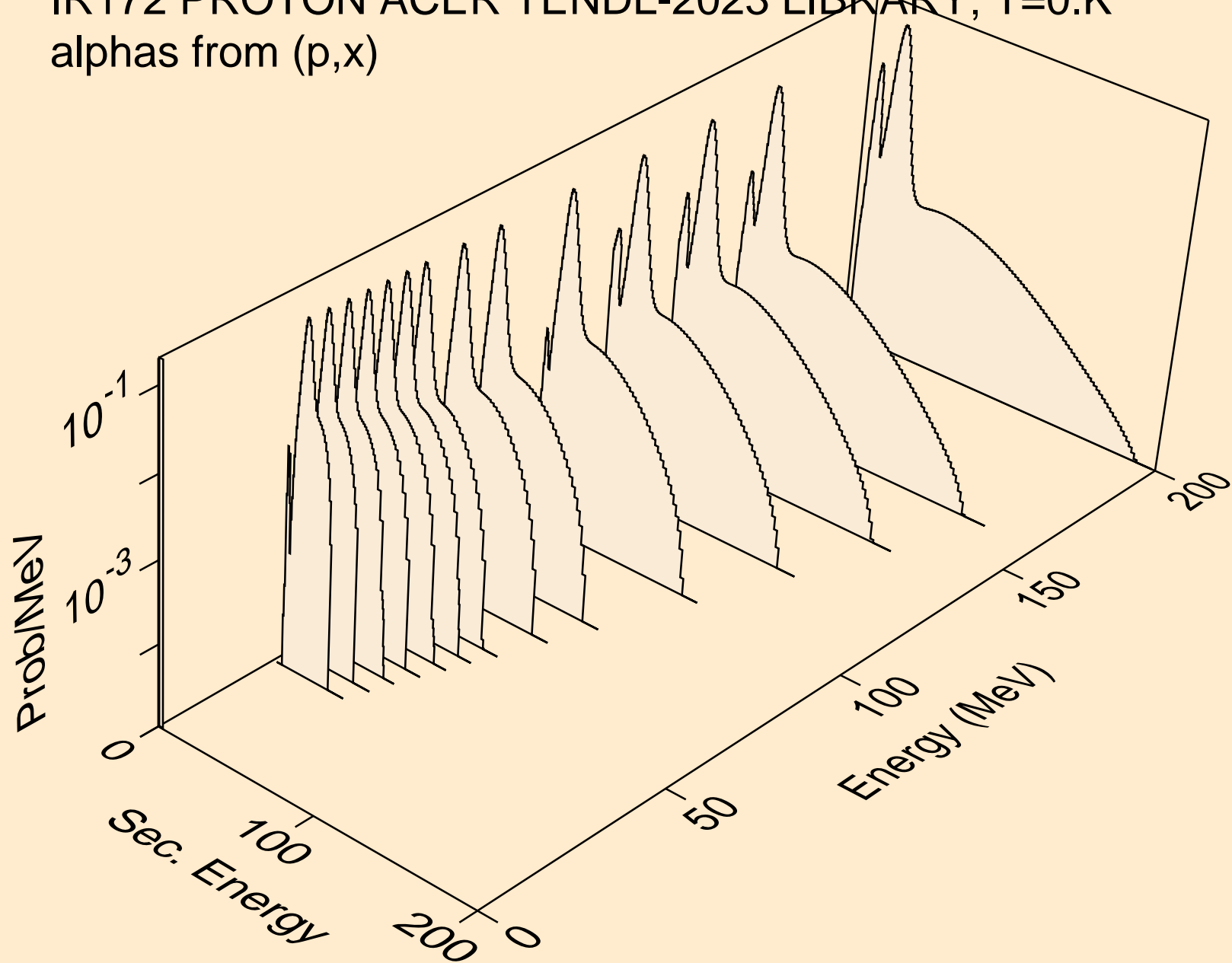
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3



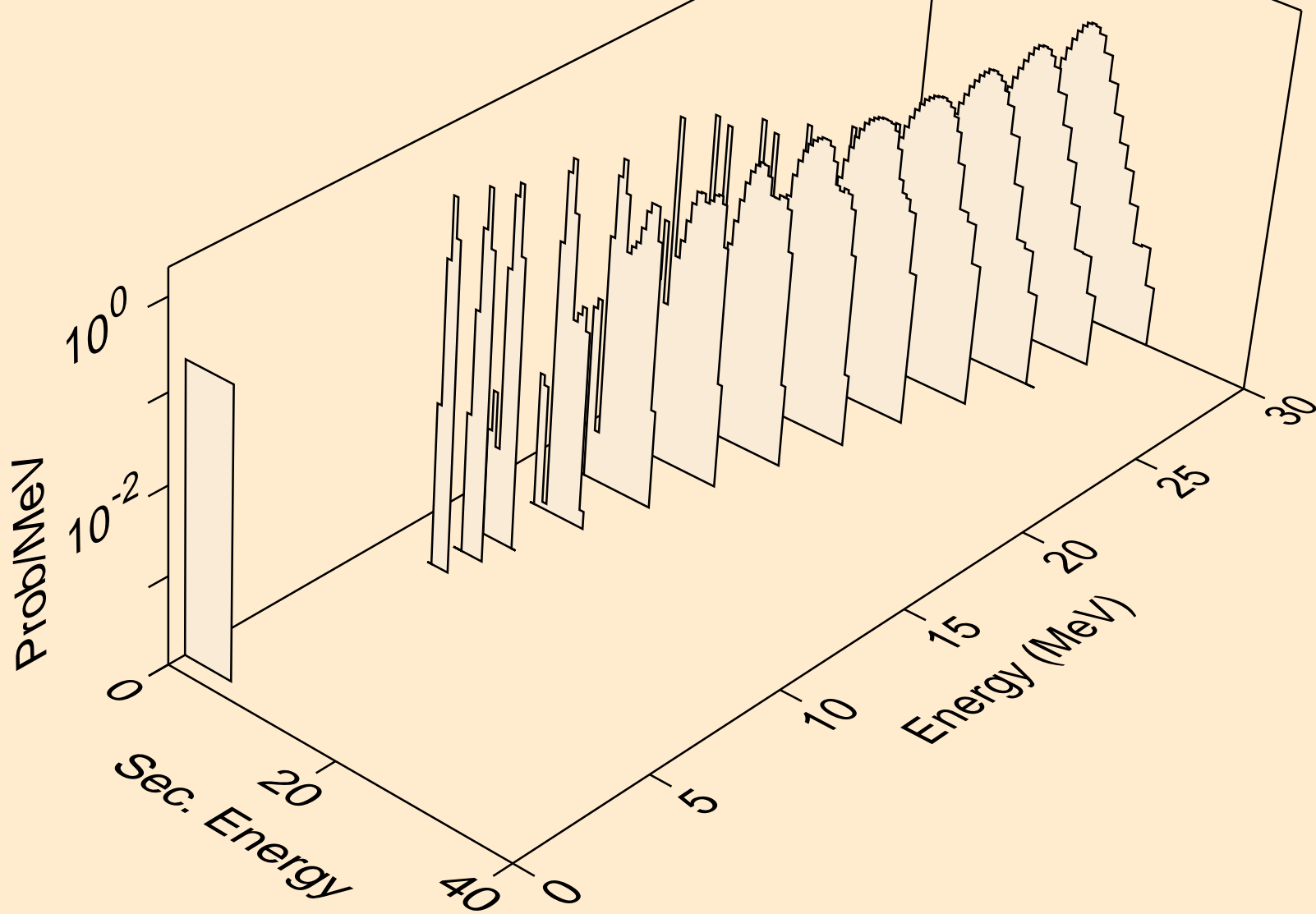
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,he3)



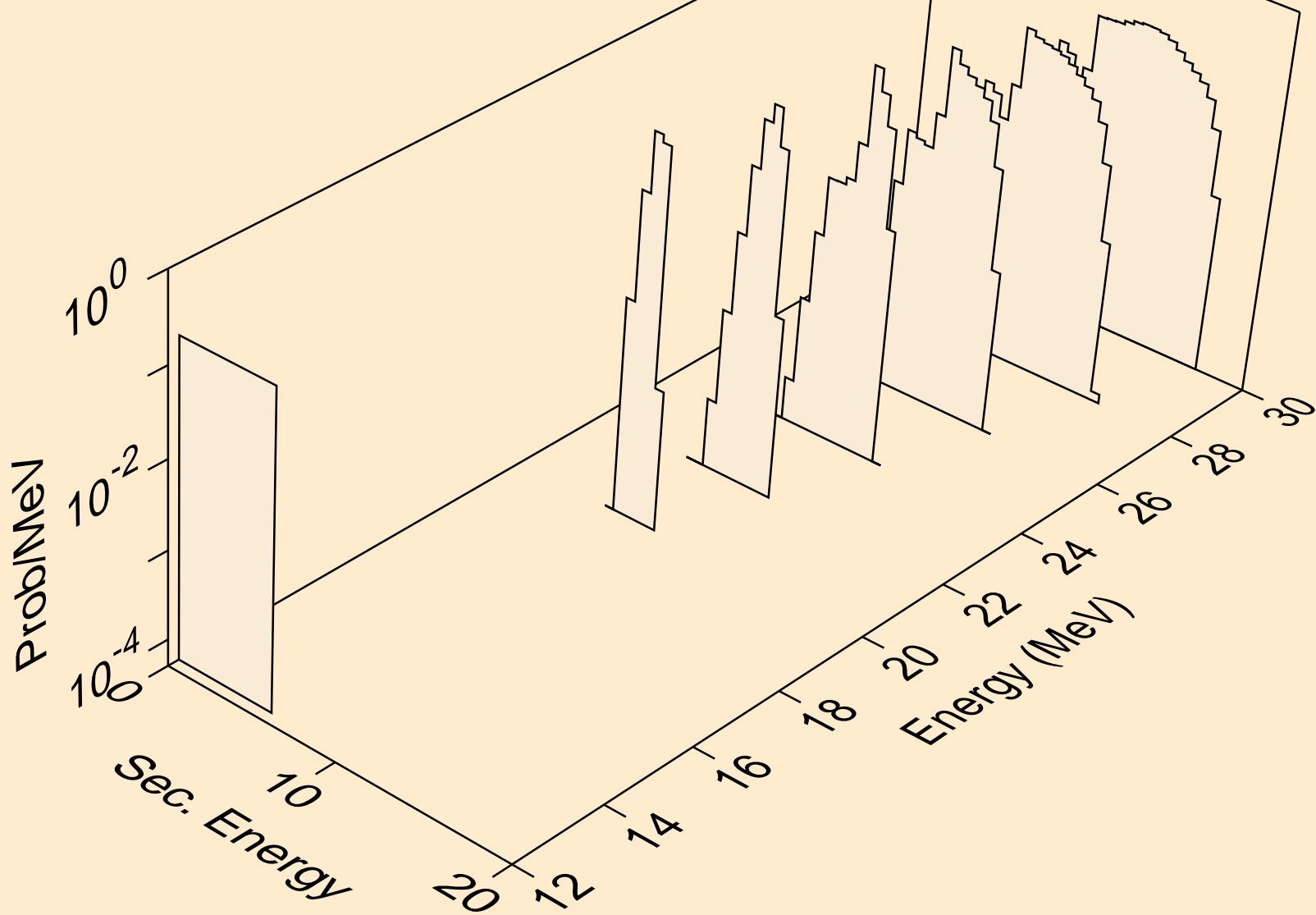
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)



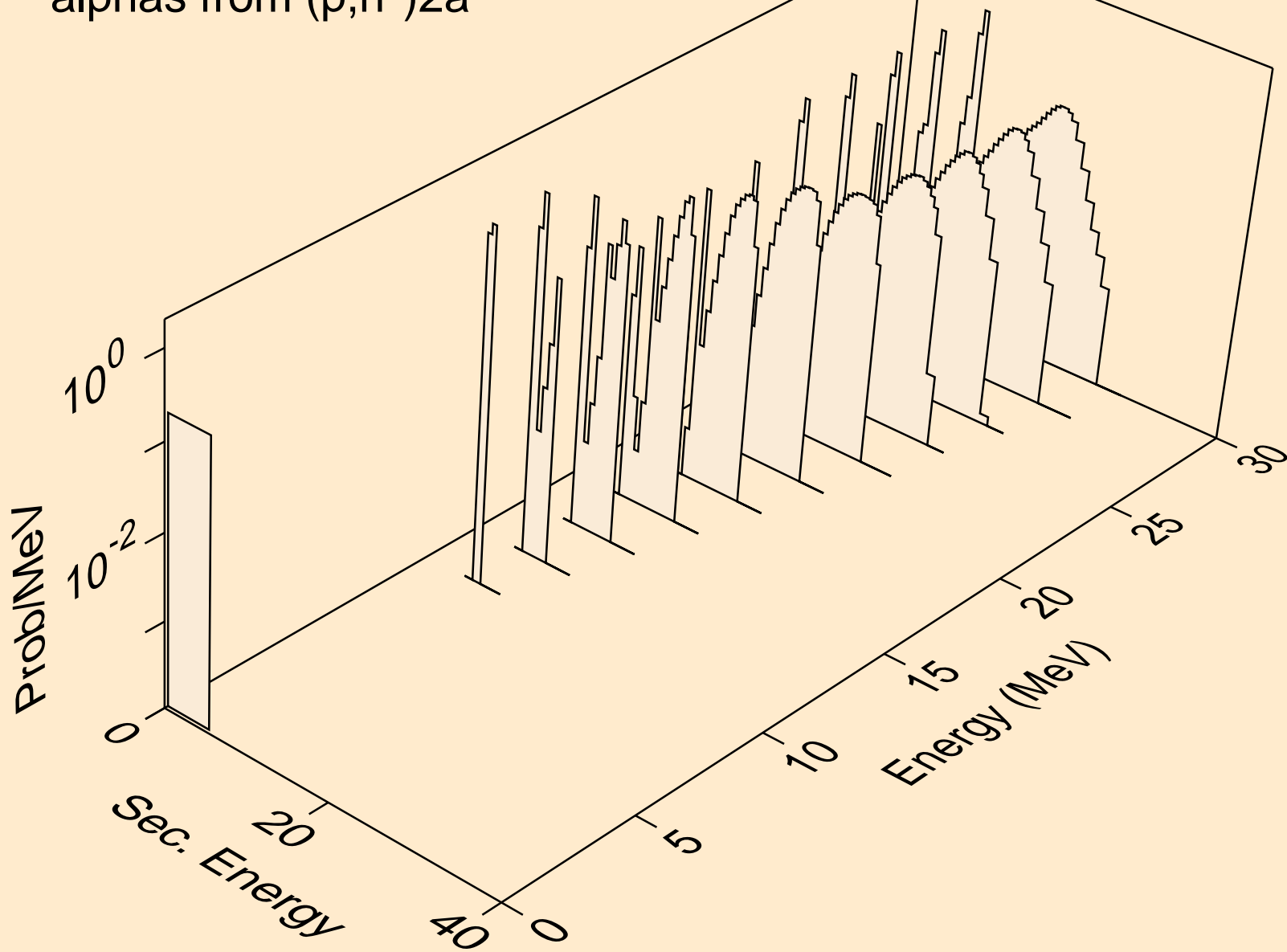
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a



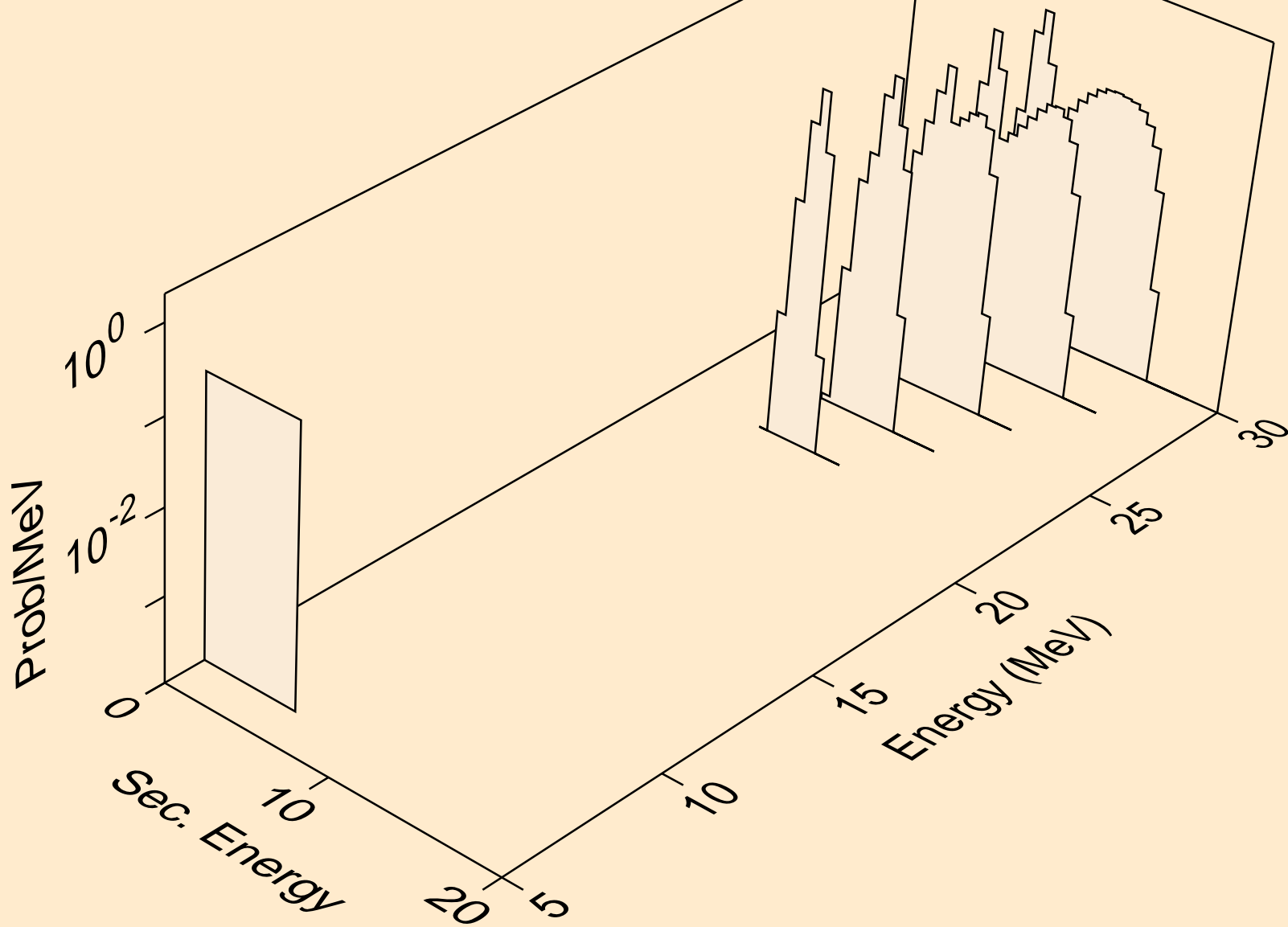
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)a



IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)2a

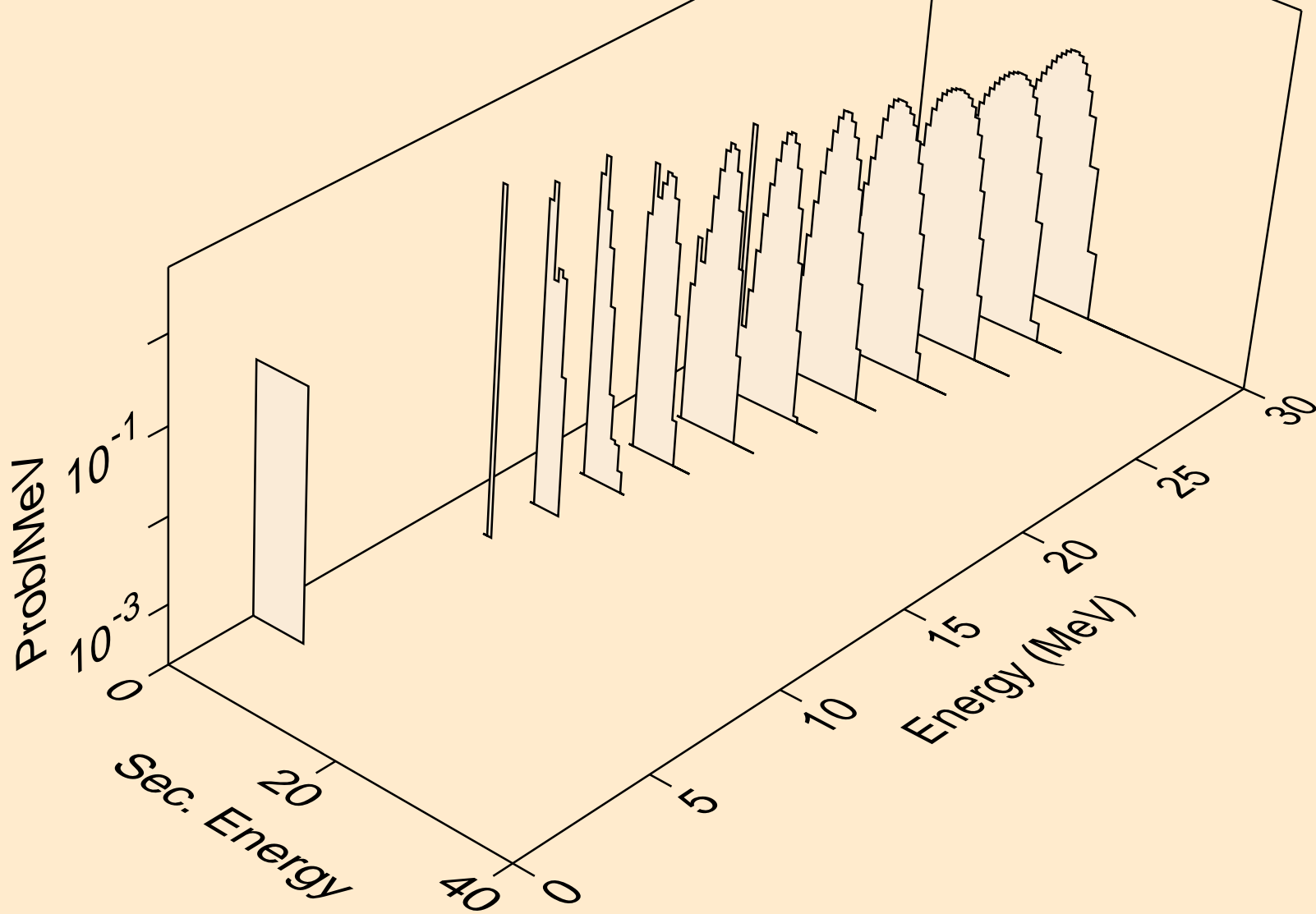


IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)2a

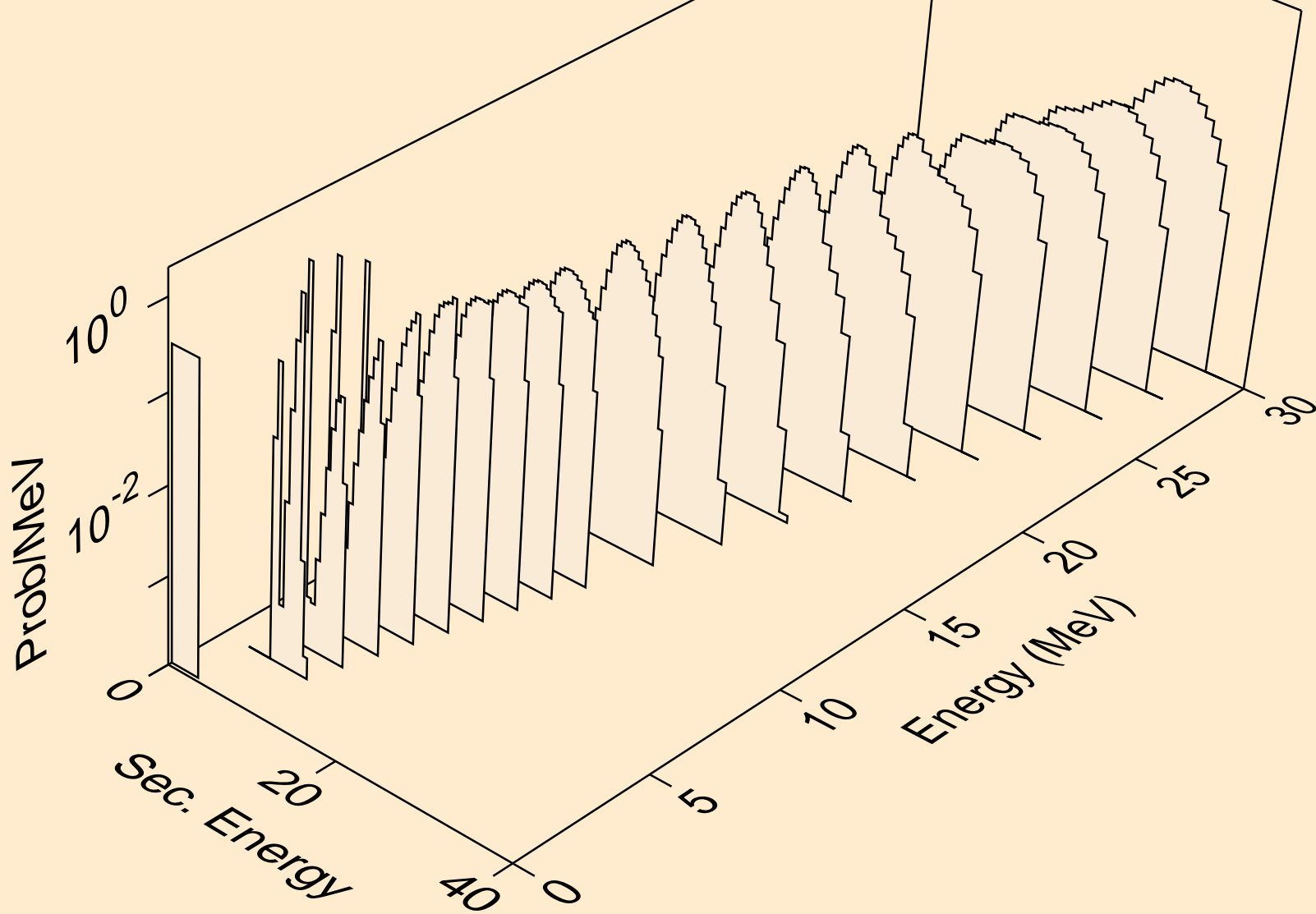




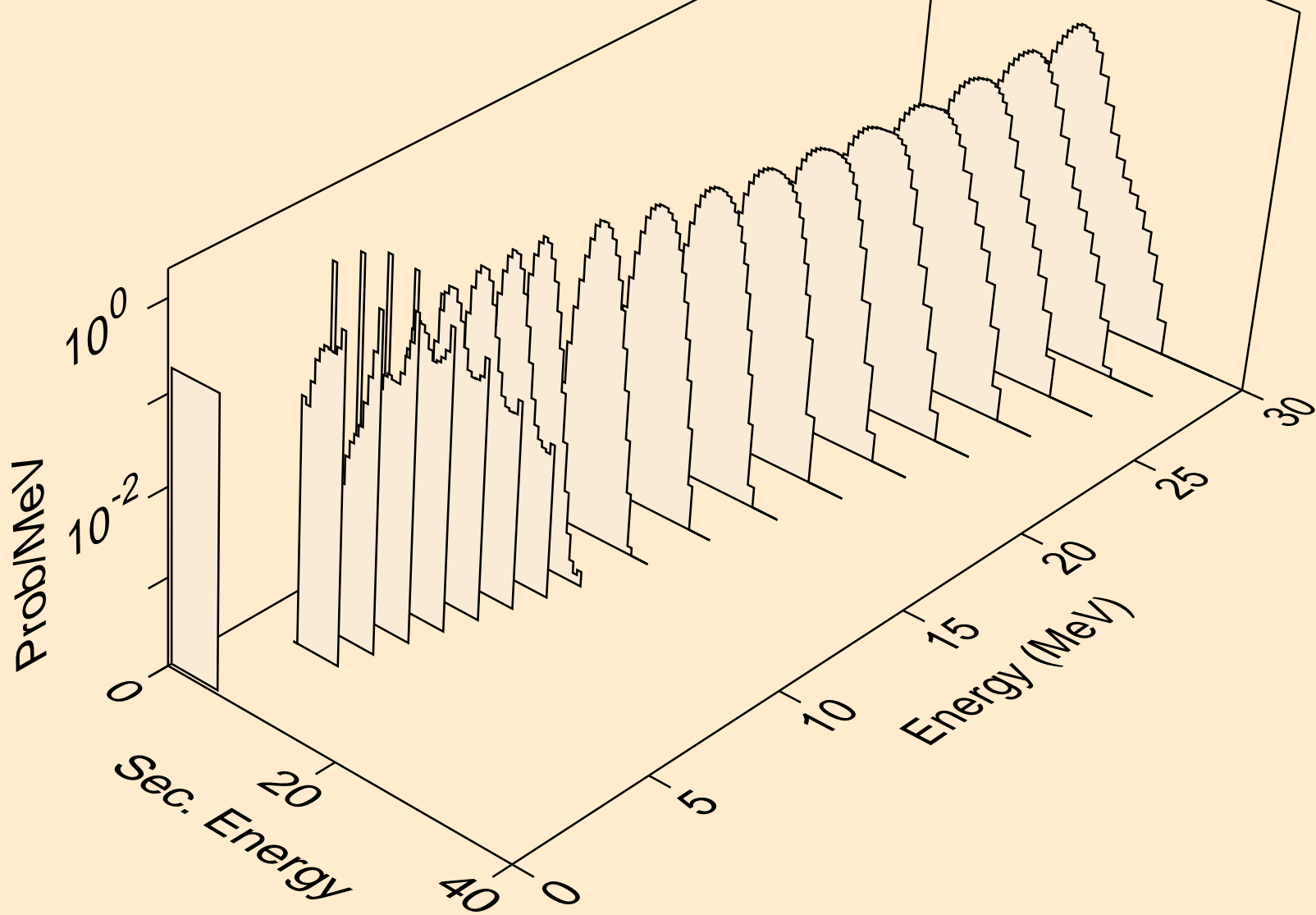
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,npa)



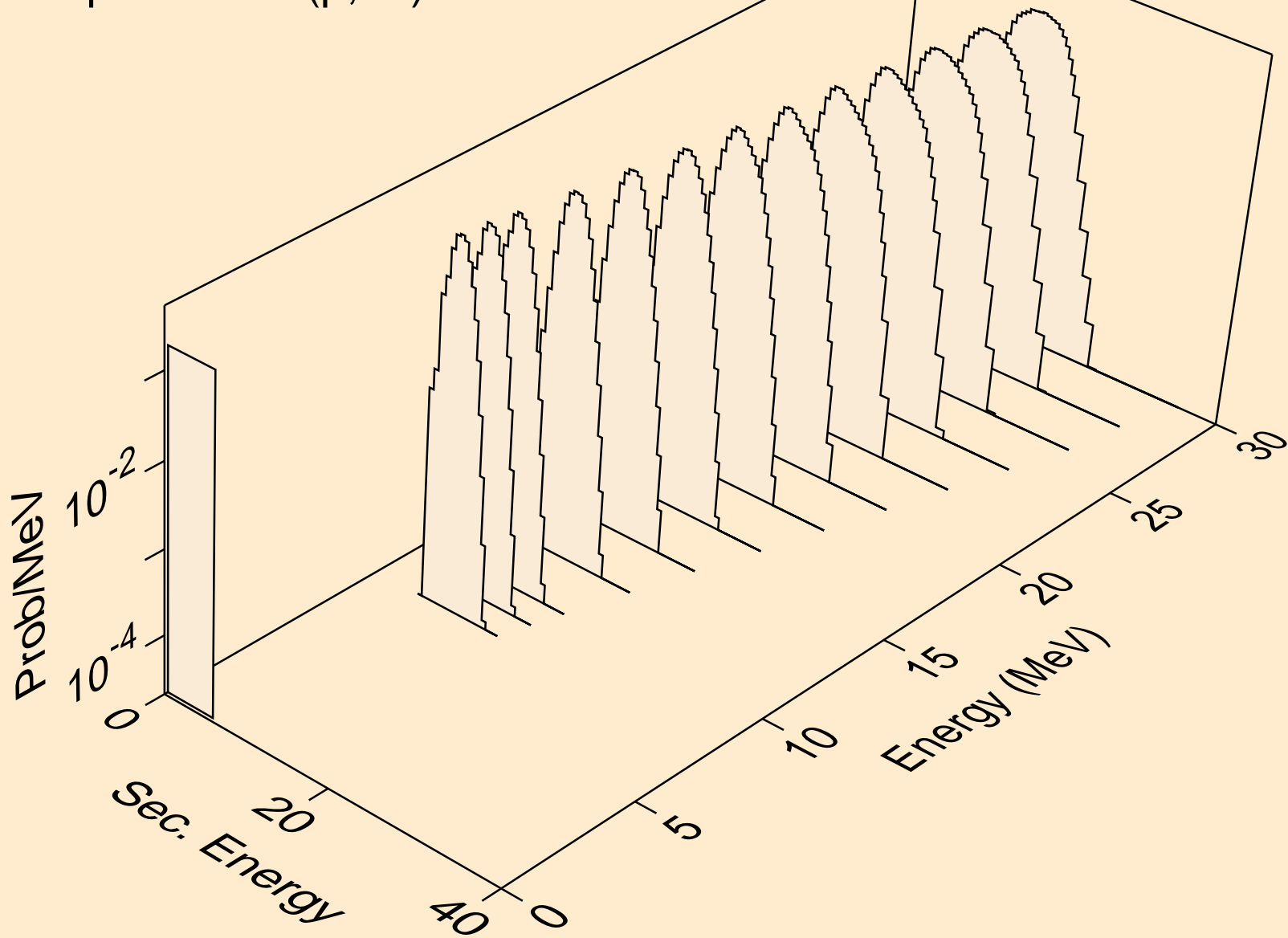
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)



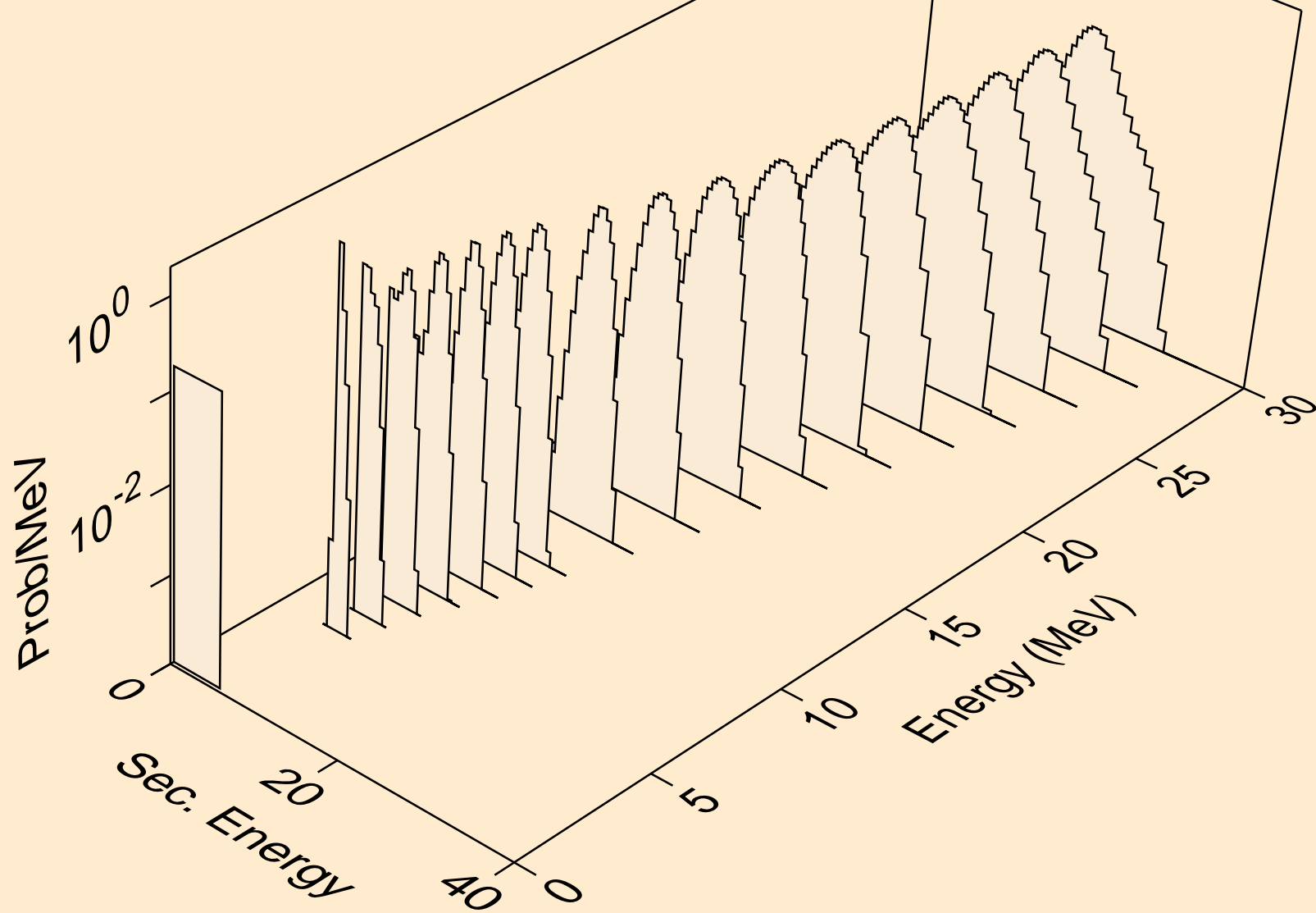
IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2a)



IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3a)



IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)



IR172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,da)

