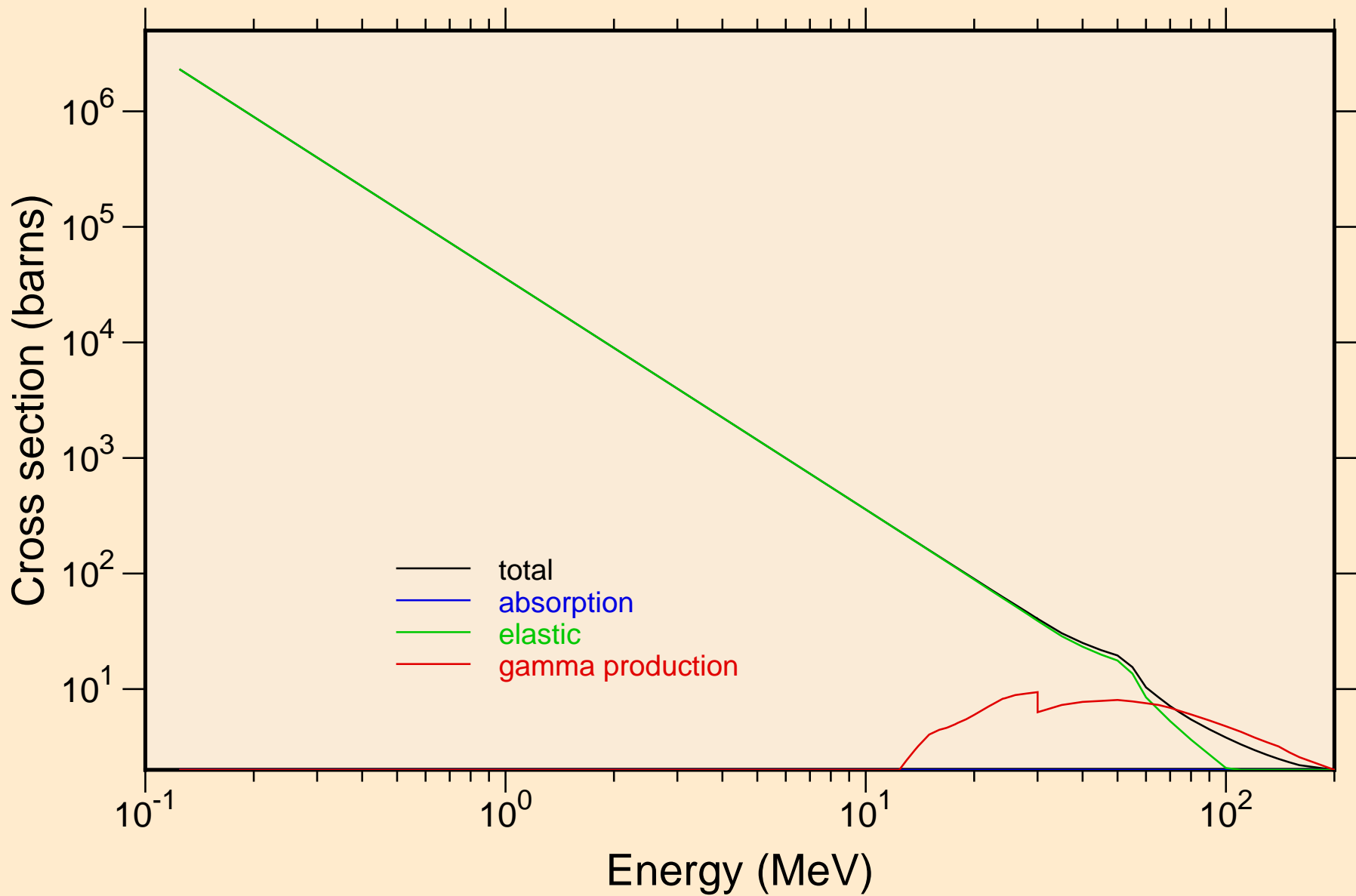
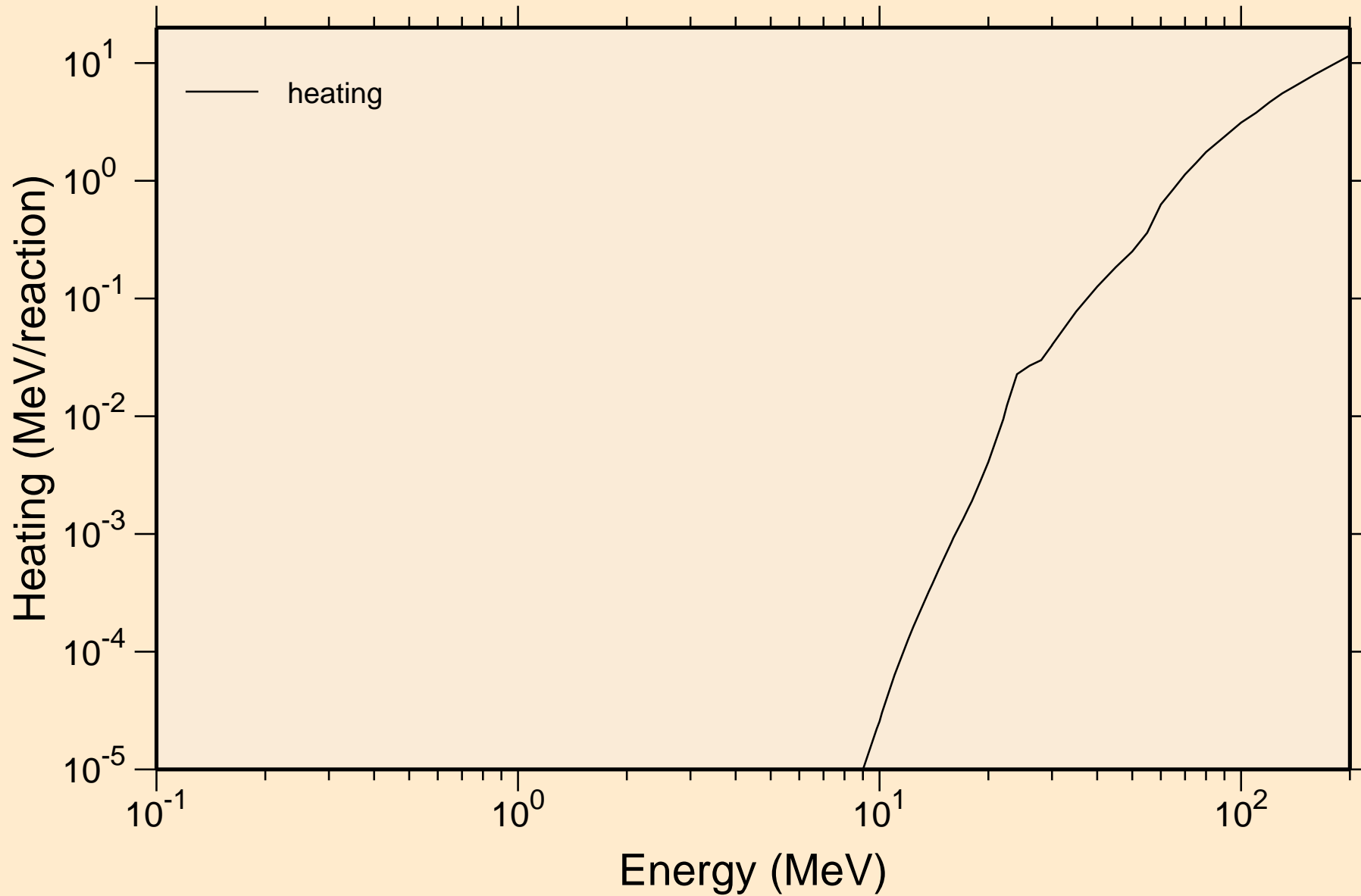


OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Principal cross sections



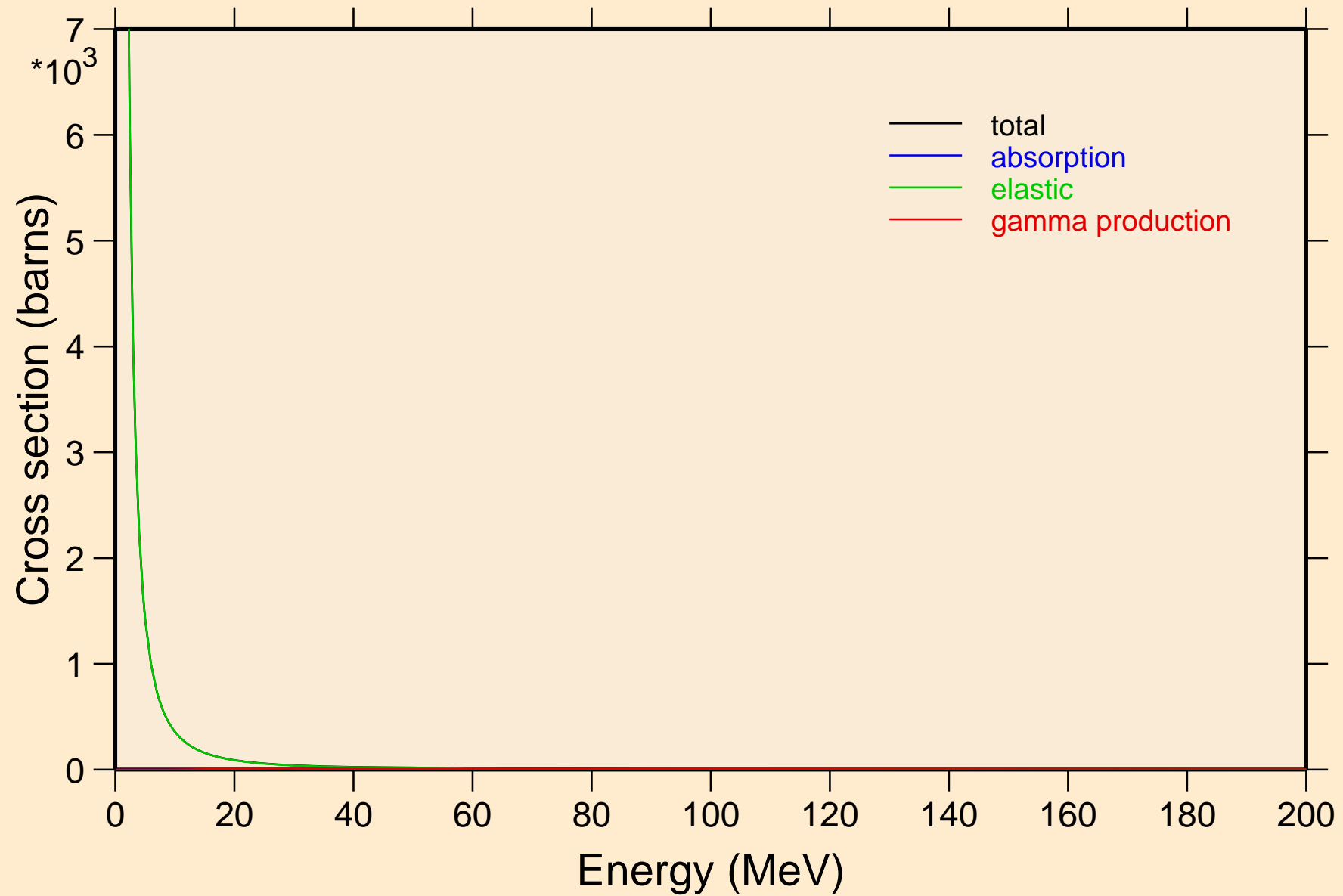
# OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Heating



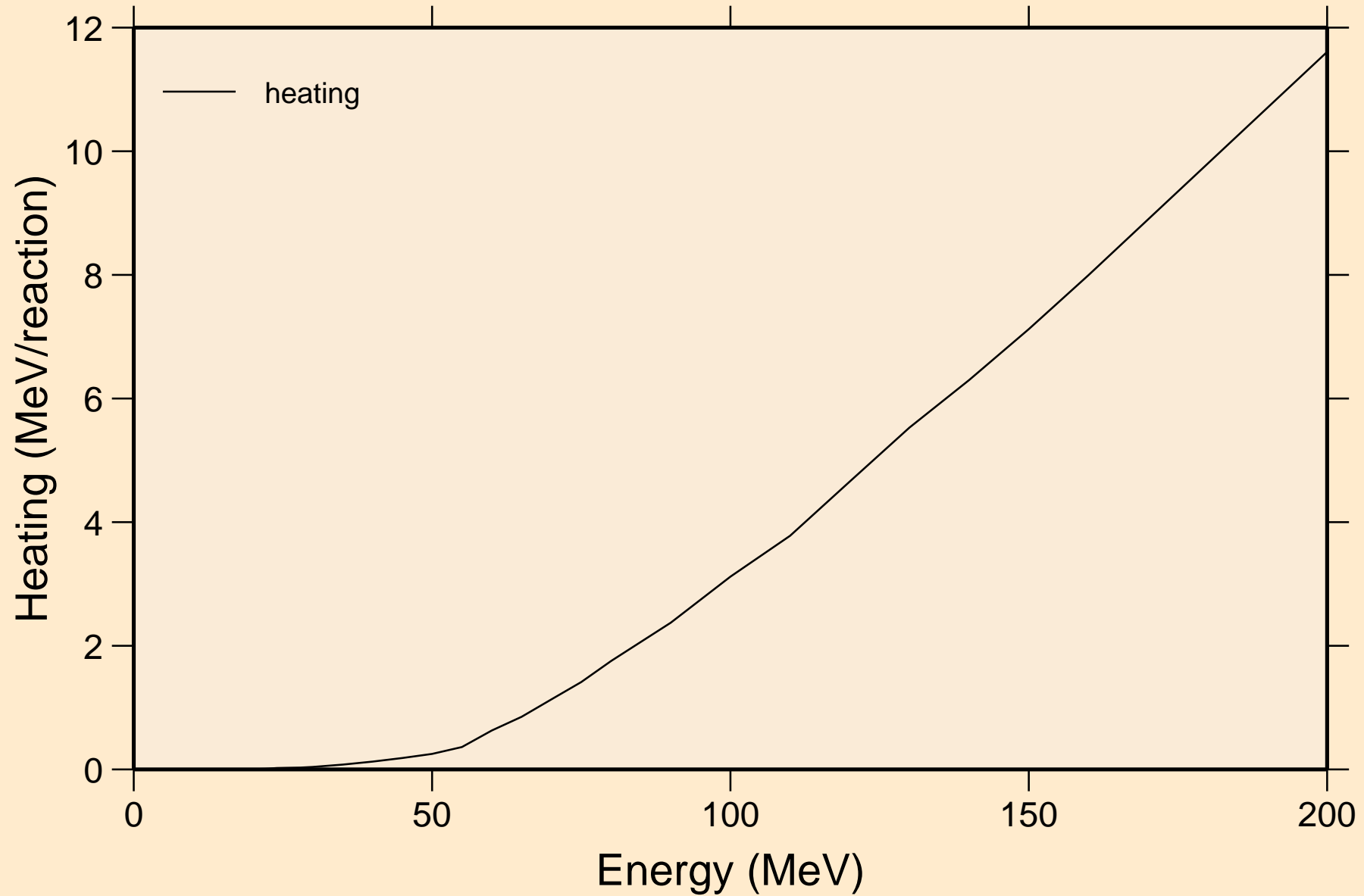
# OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



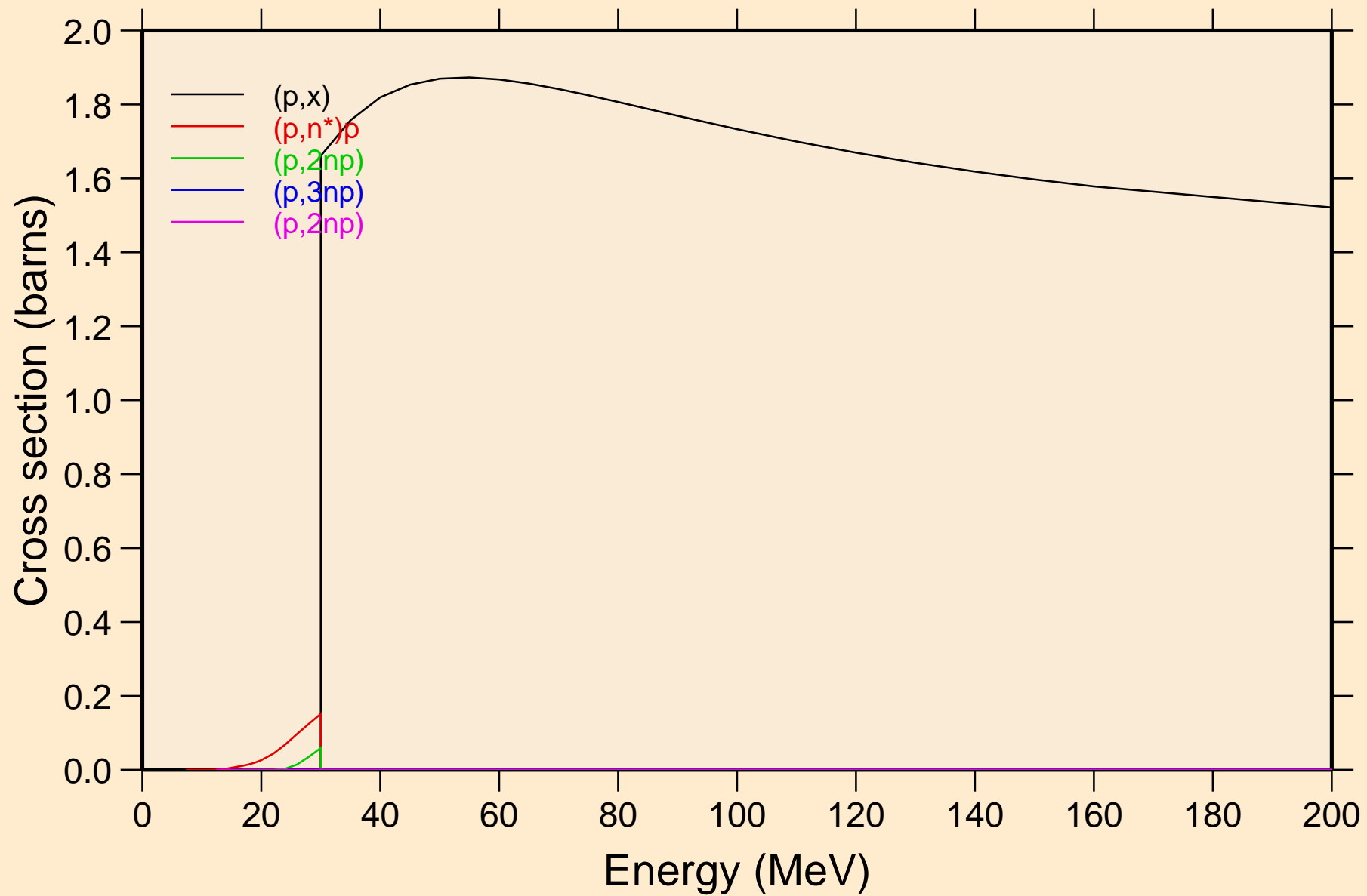
# OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Heating

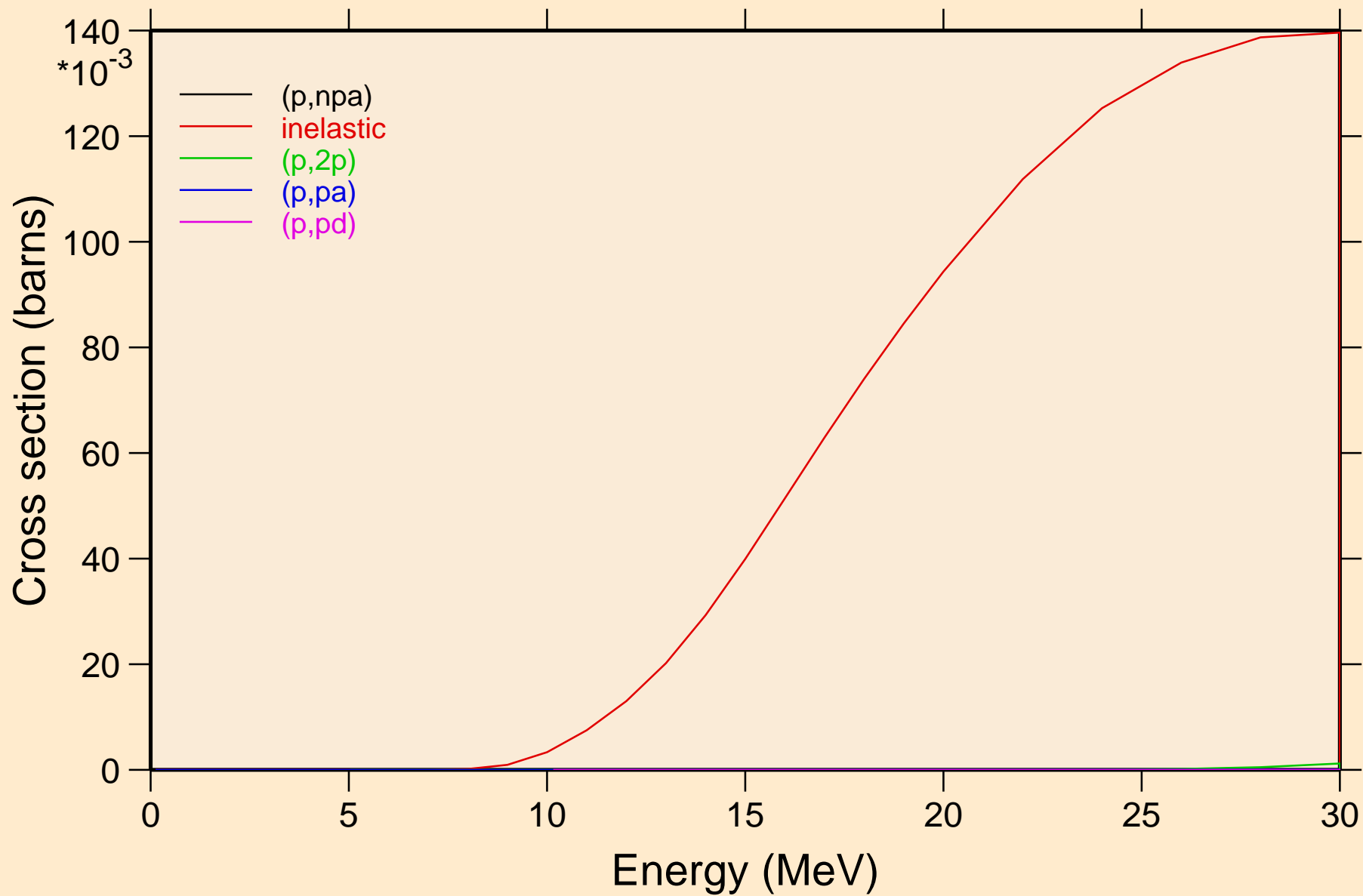


# OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K

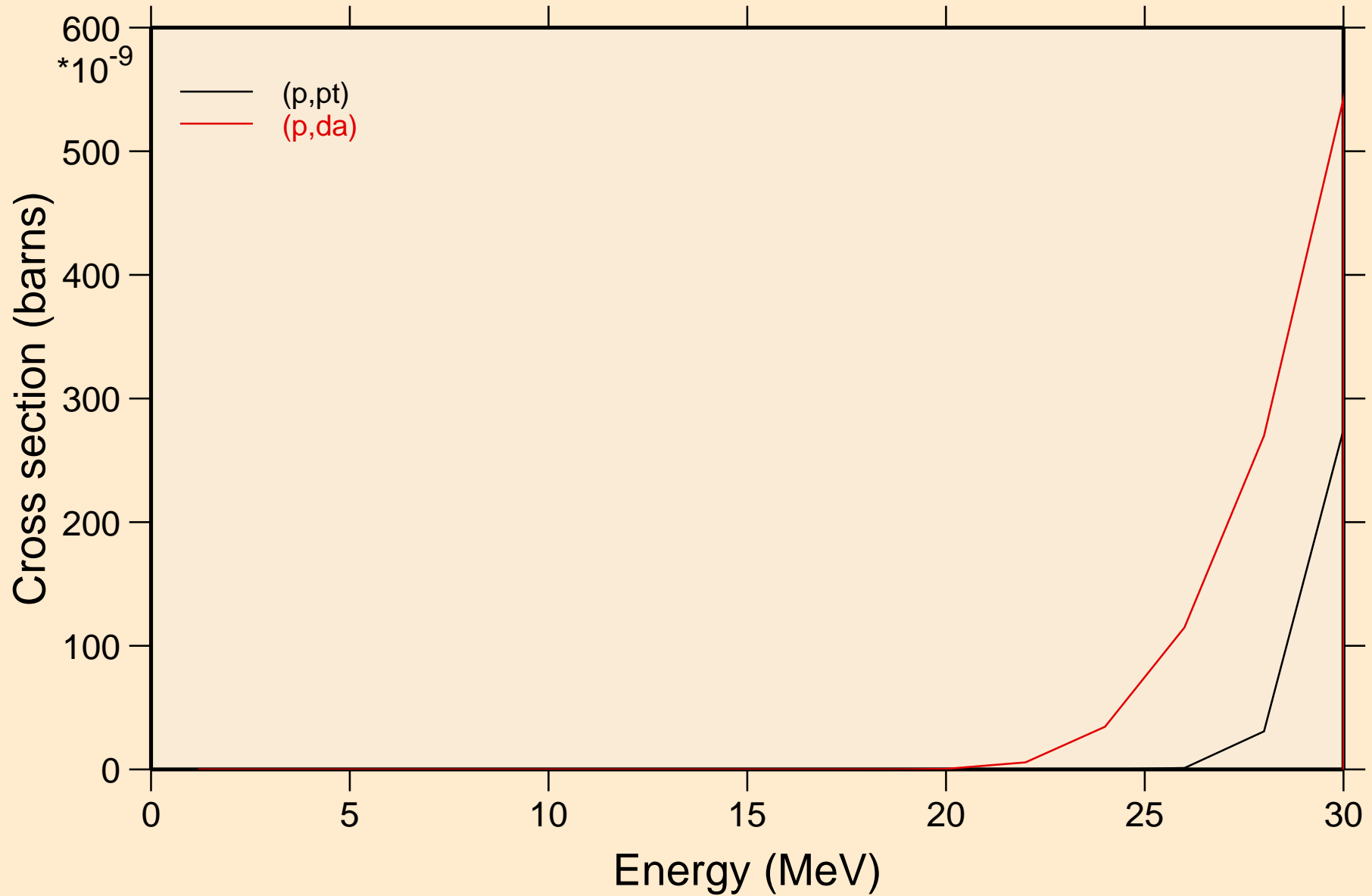
## Threshold reactions



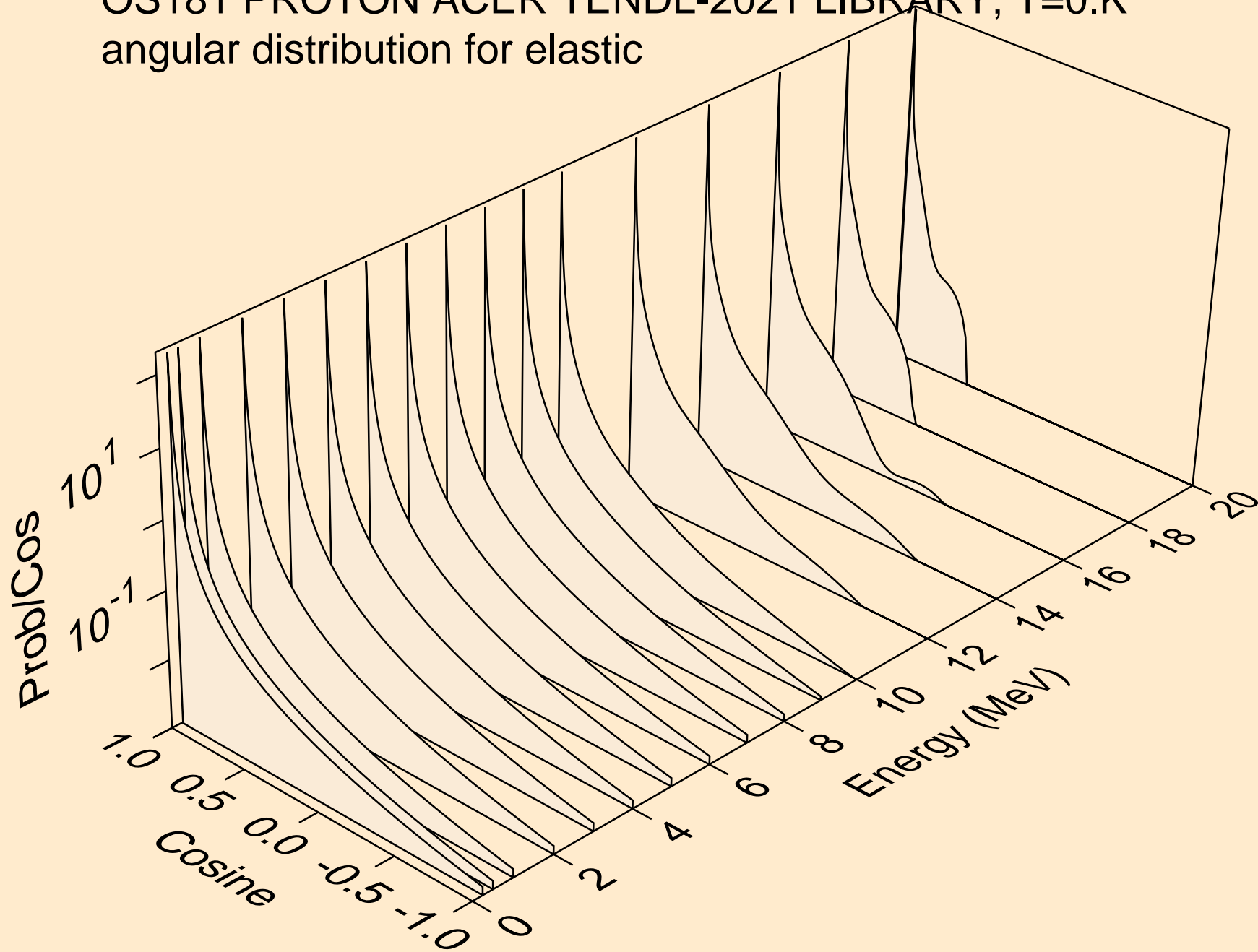
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

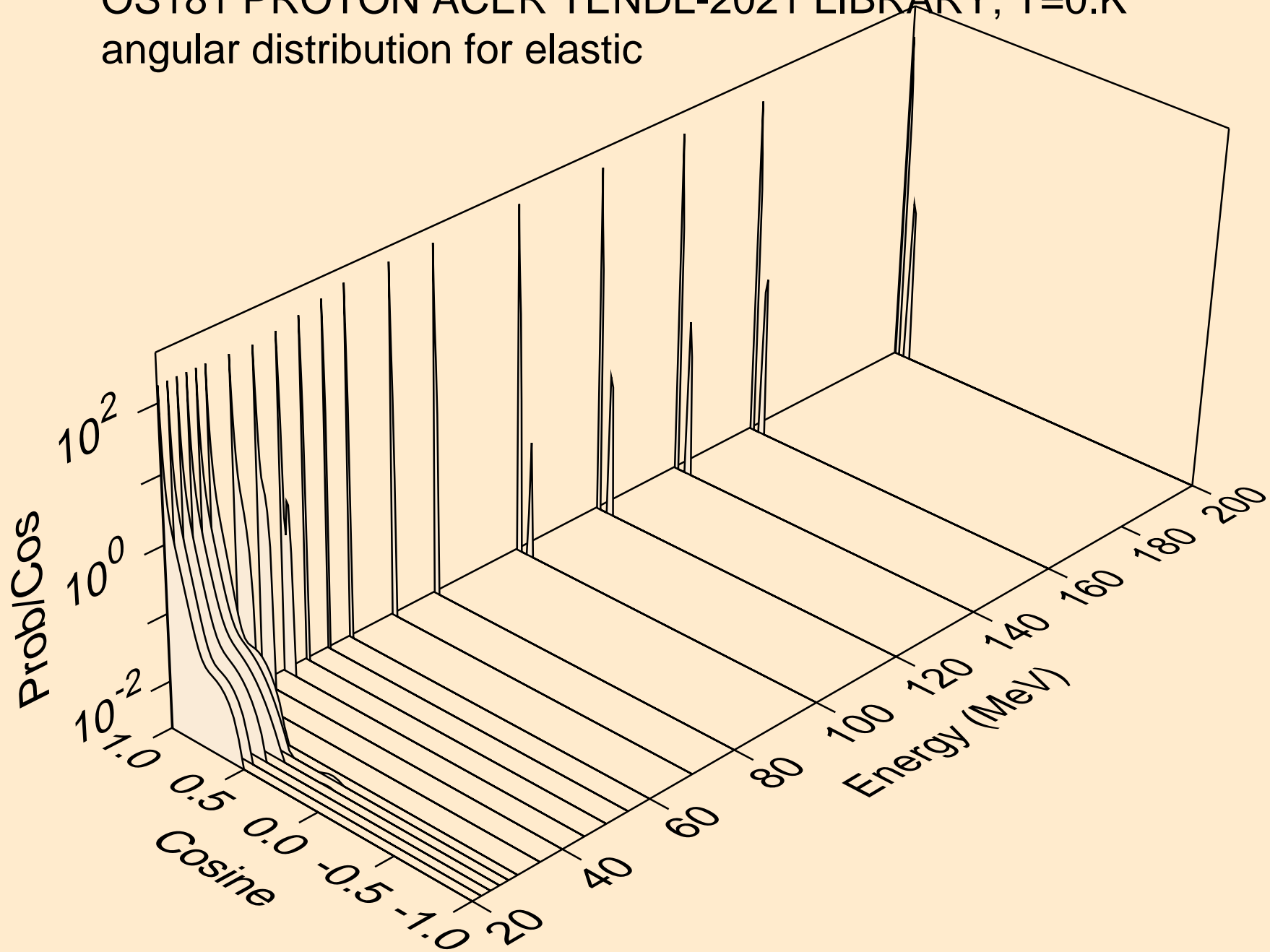


OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic

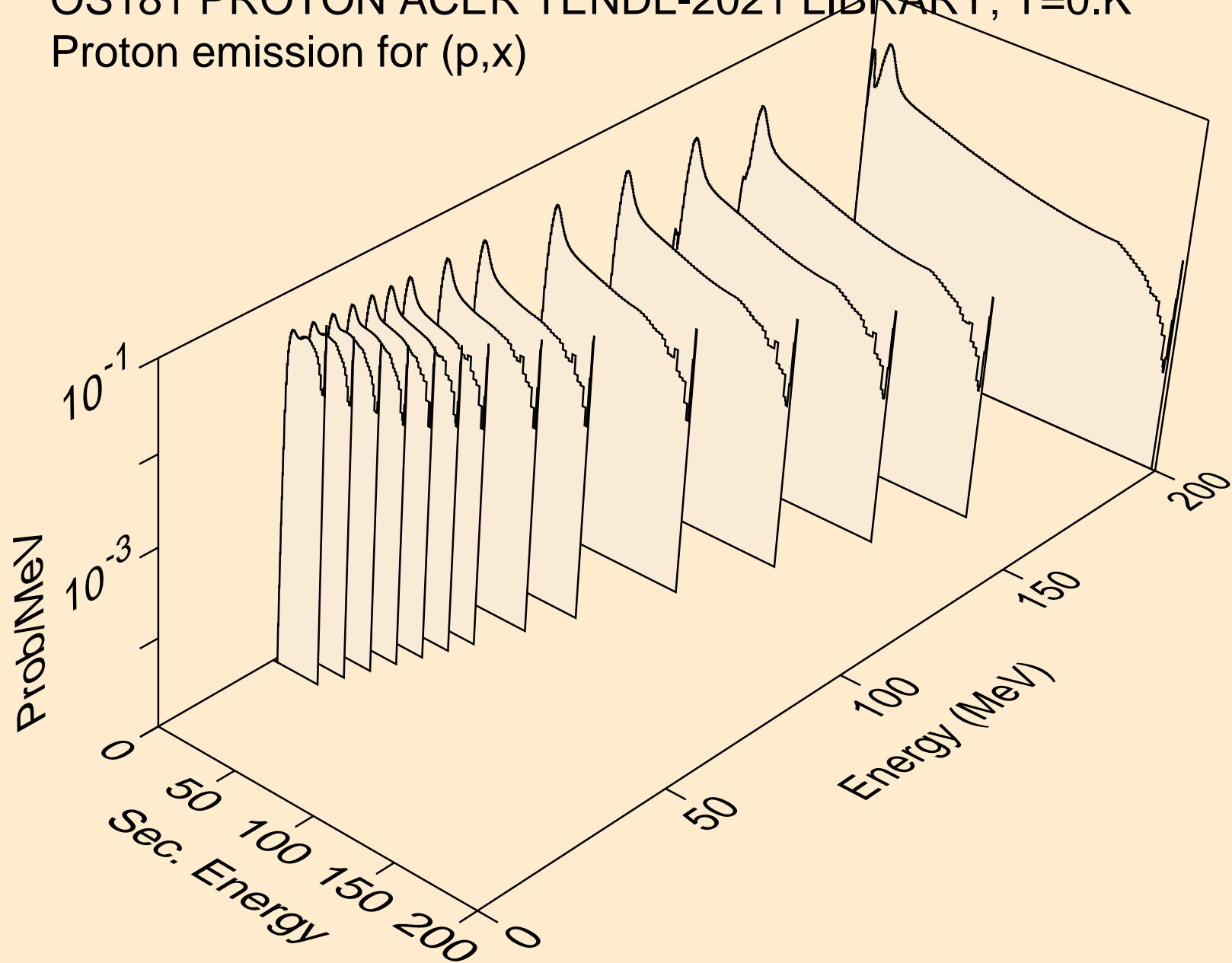




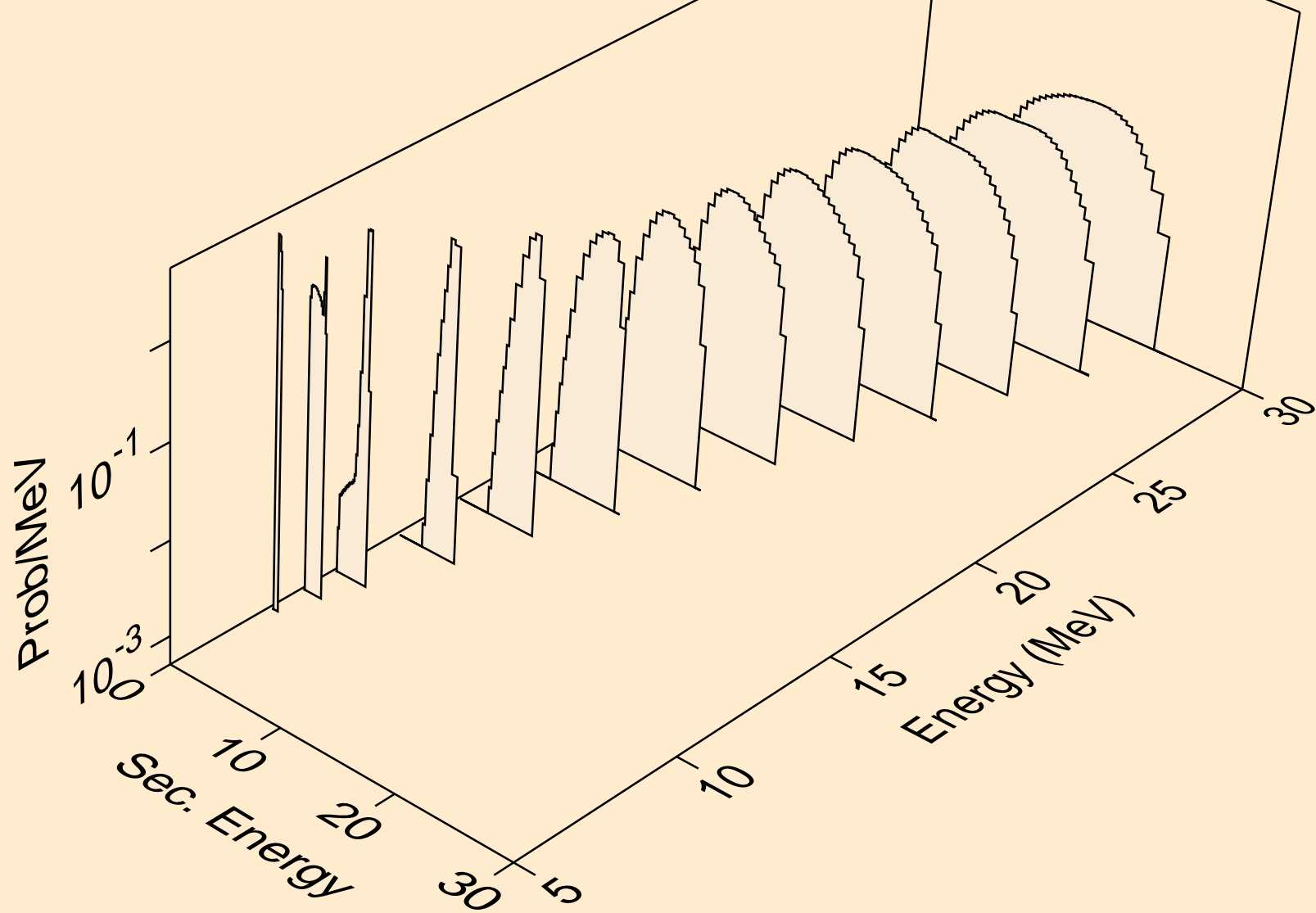
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



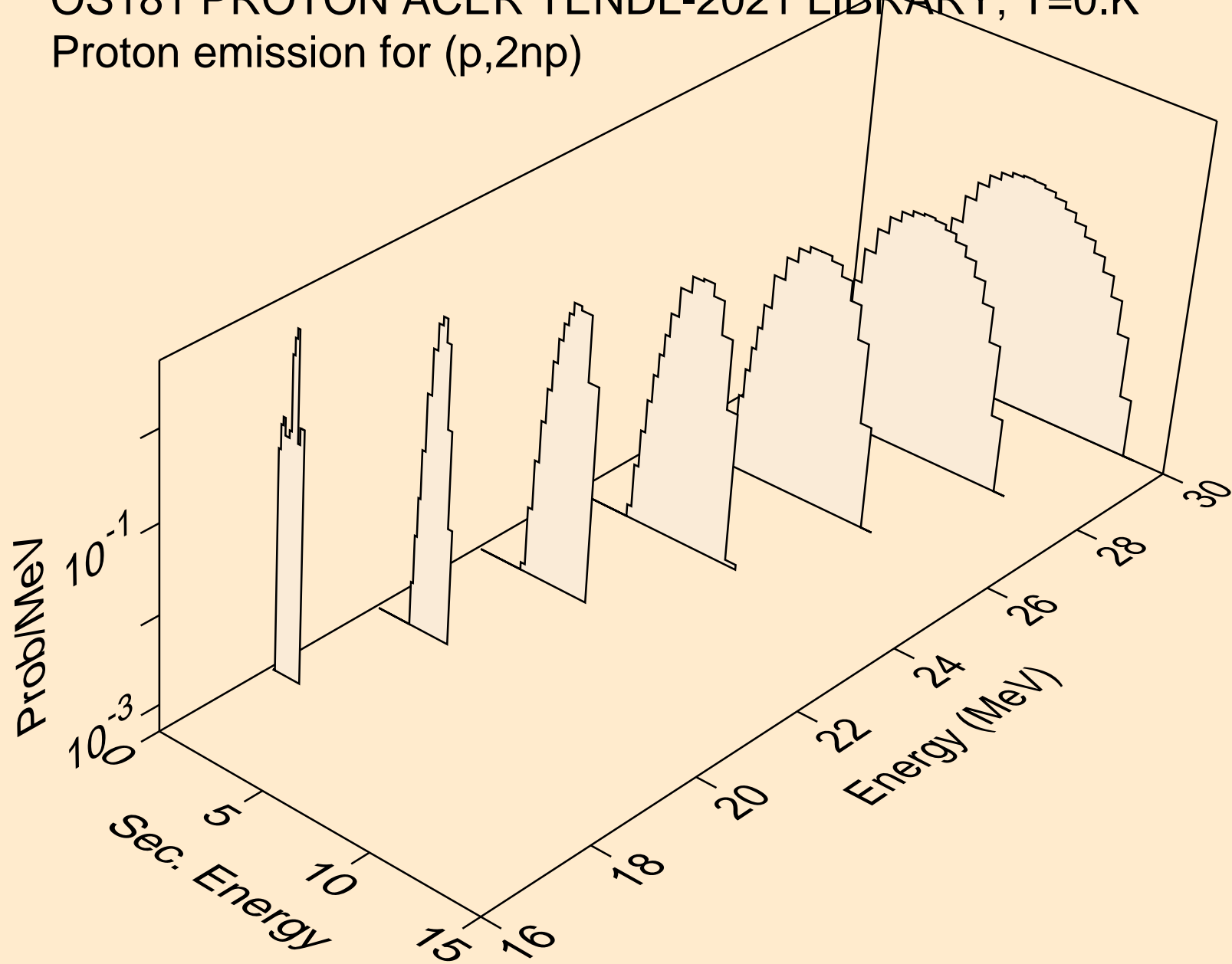
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,x)



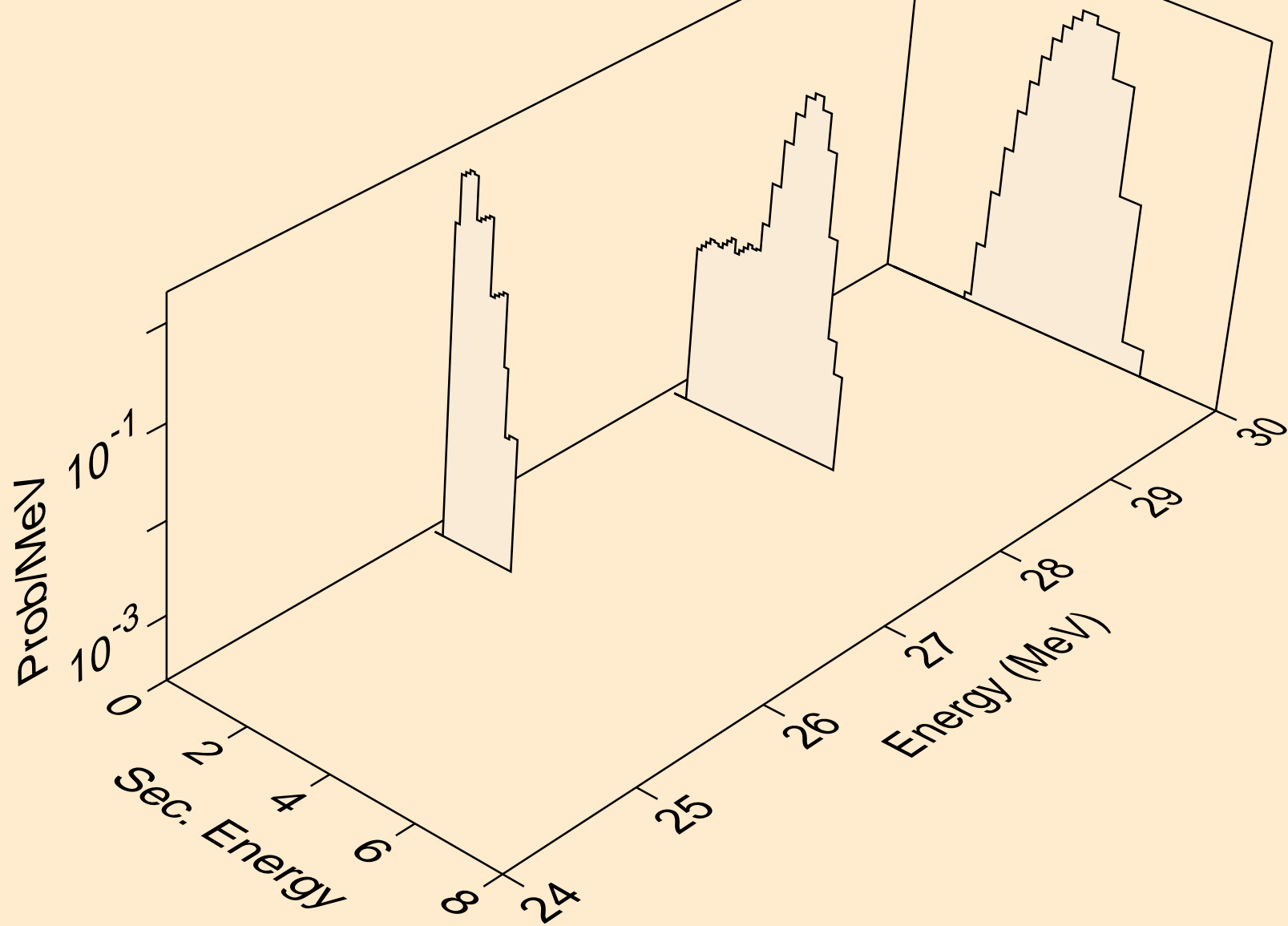
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



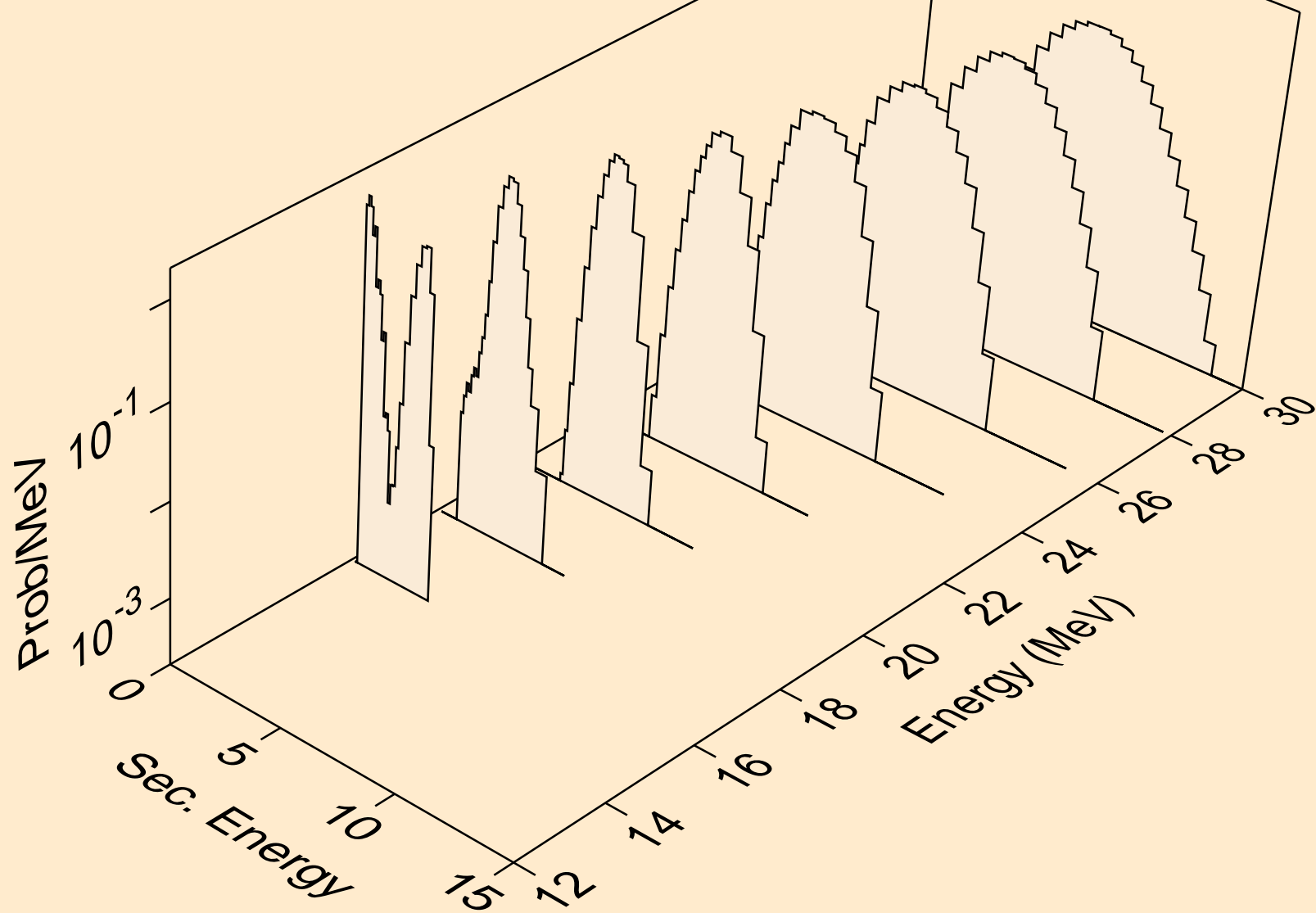
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



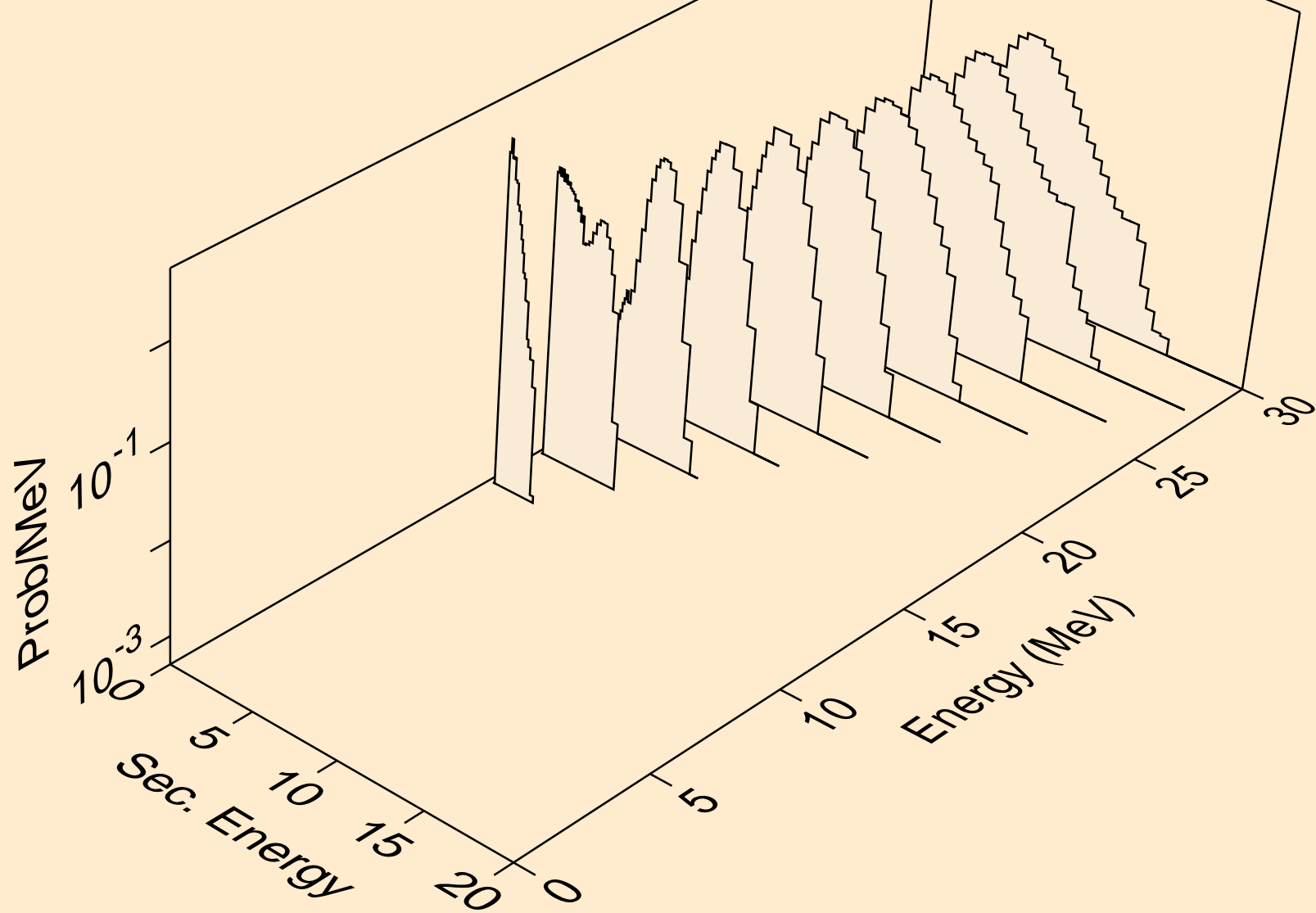
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,3np)



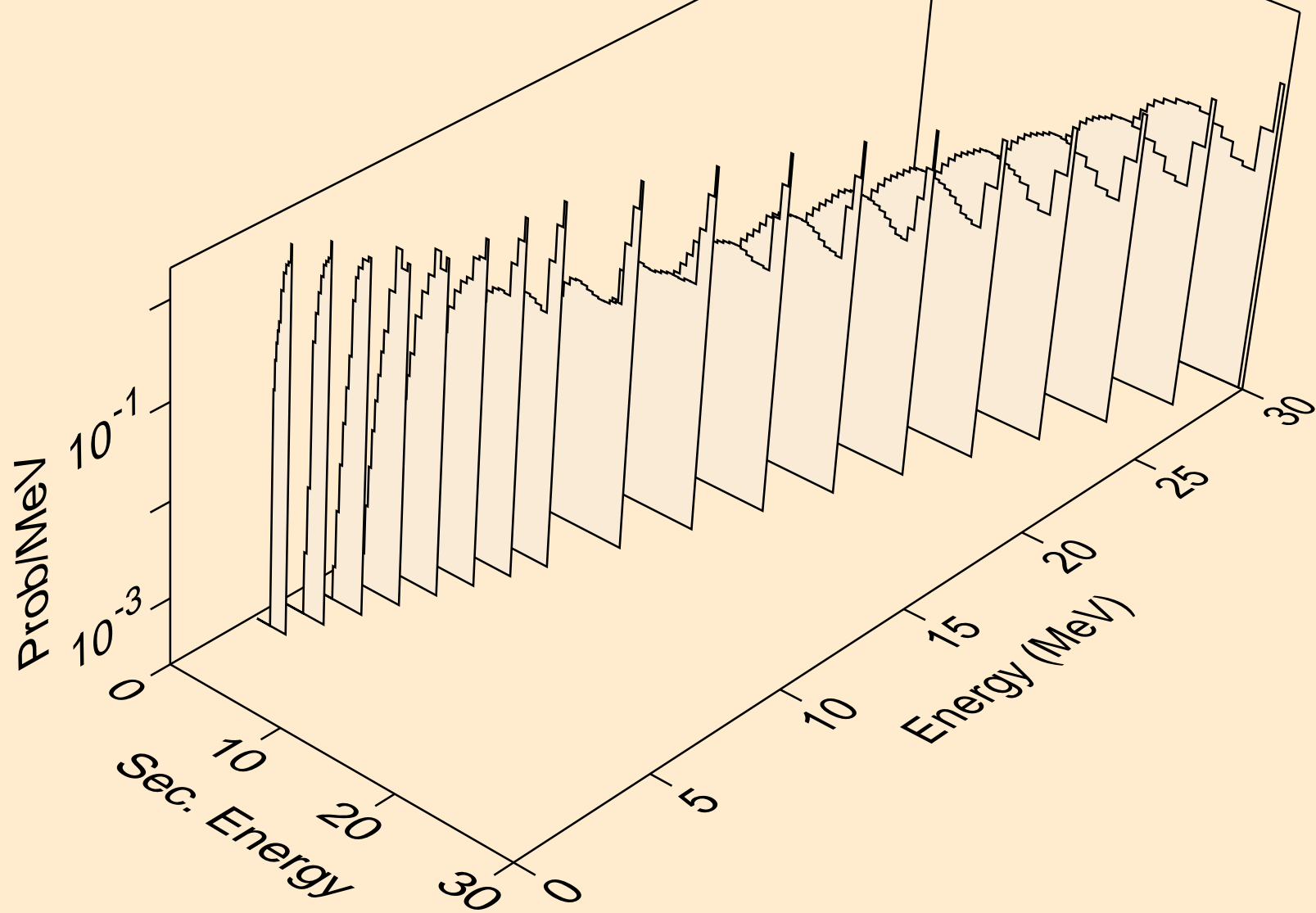
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,npa)

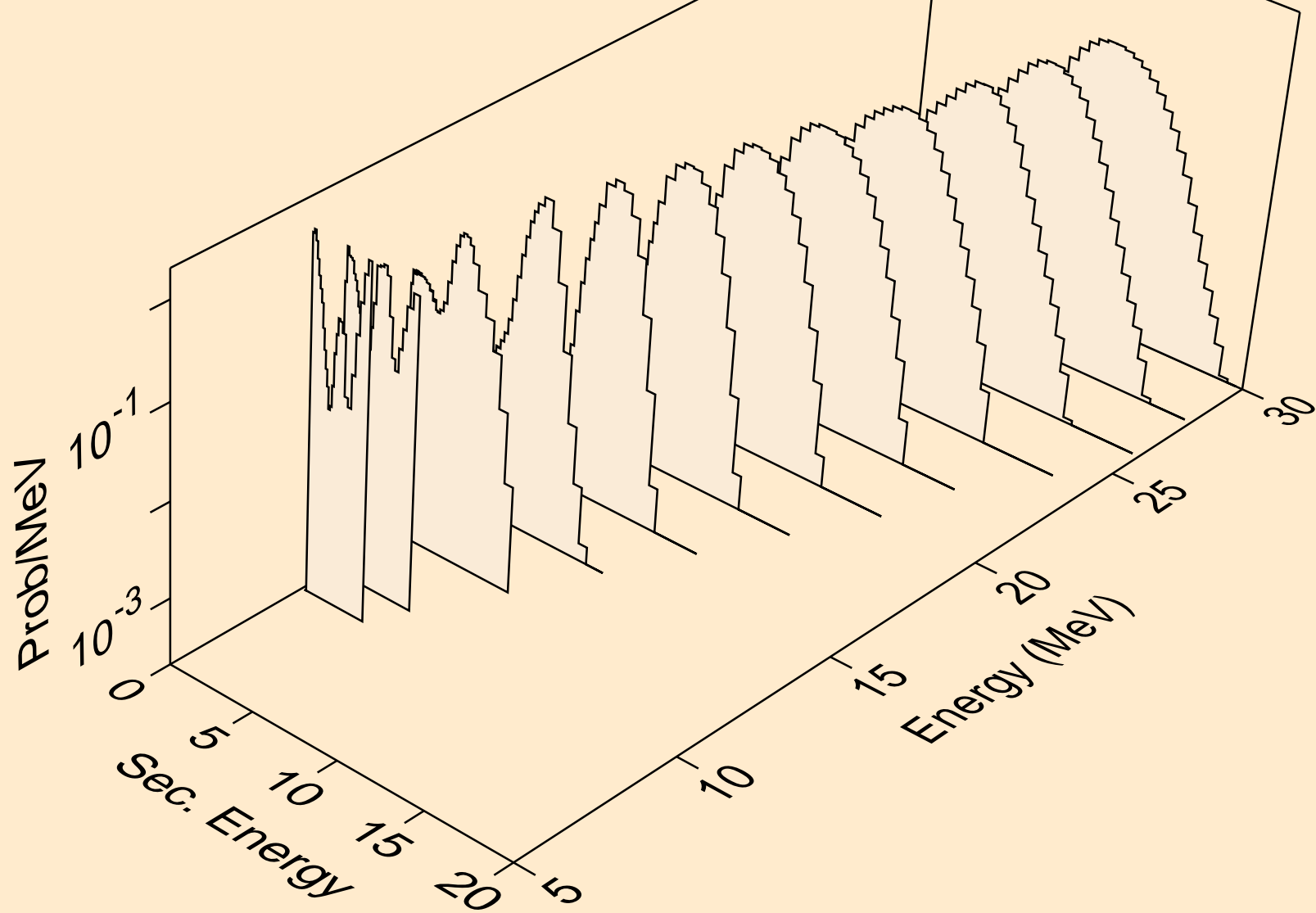


OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for inelastic

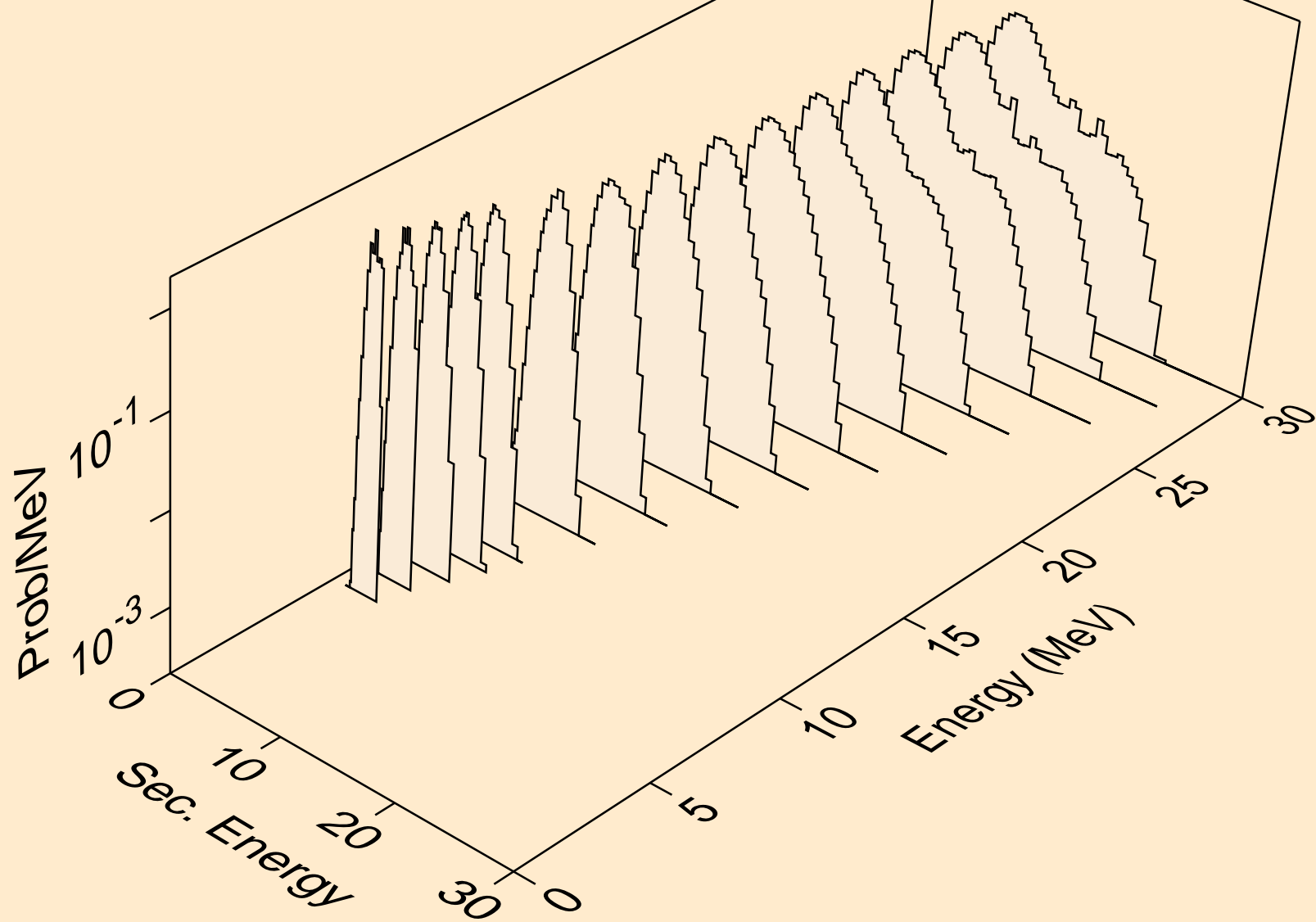




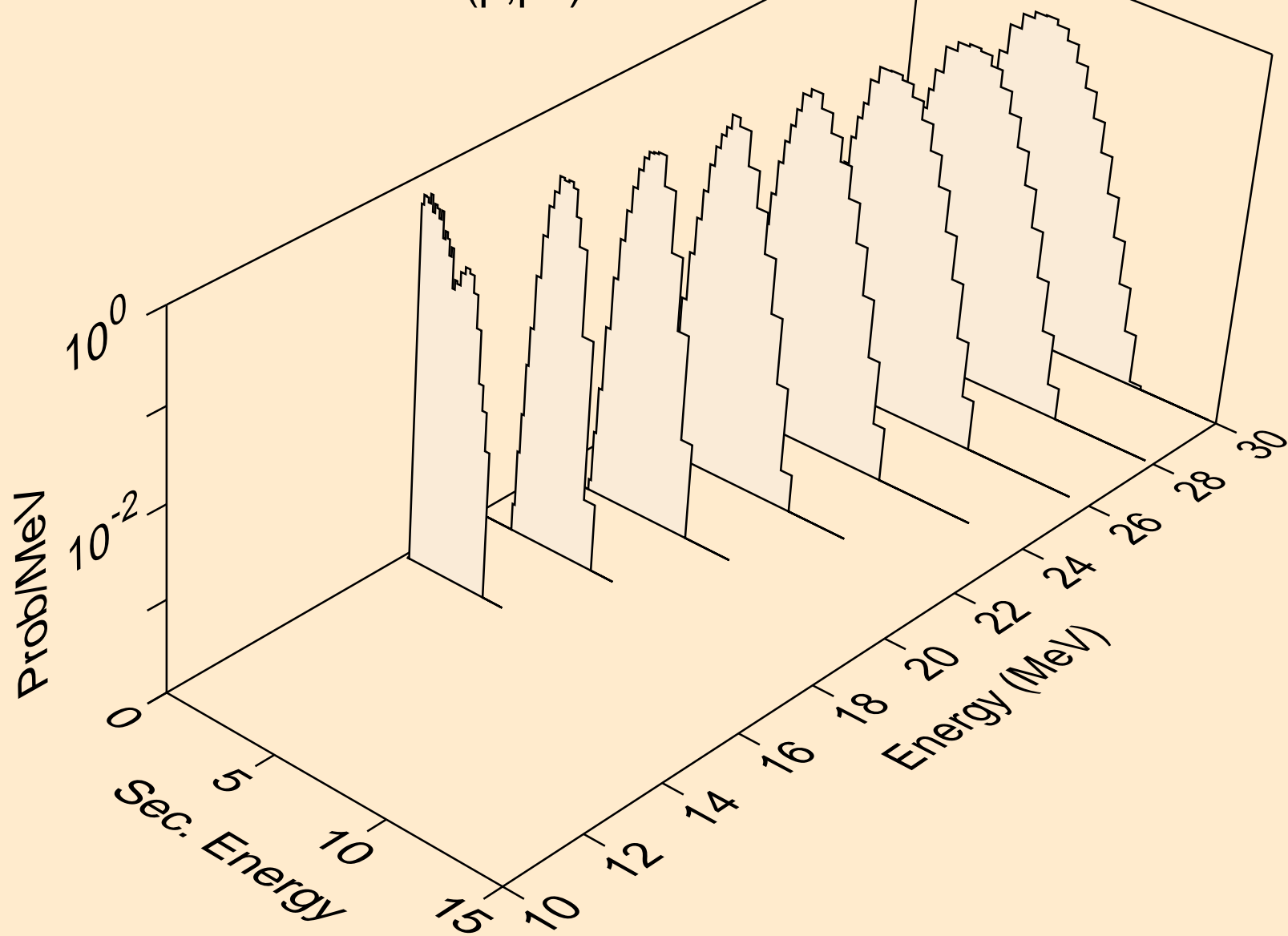
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2p)



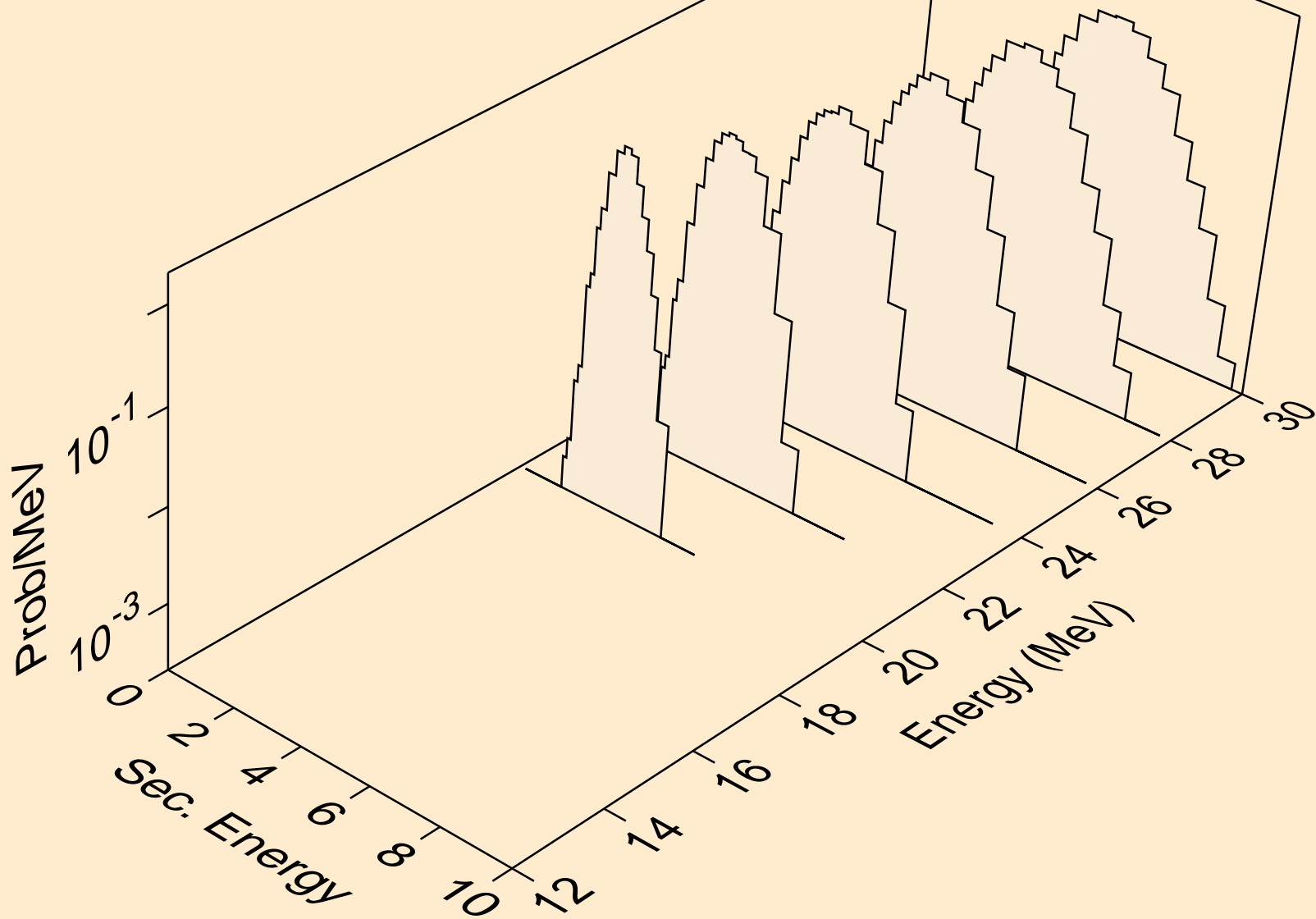
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pa)



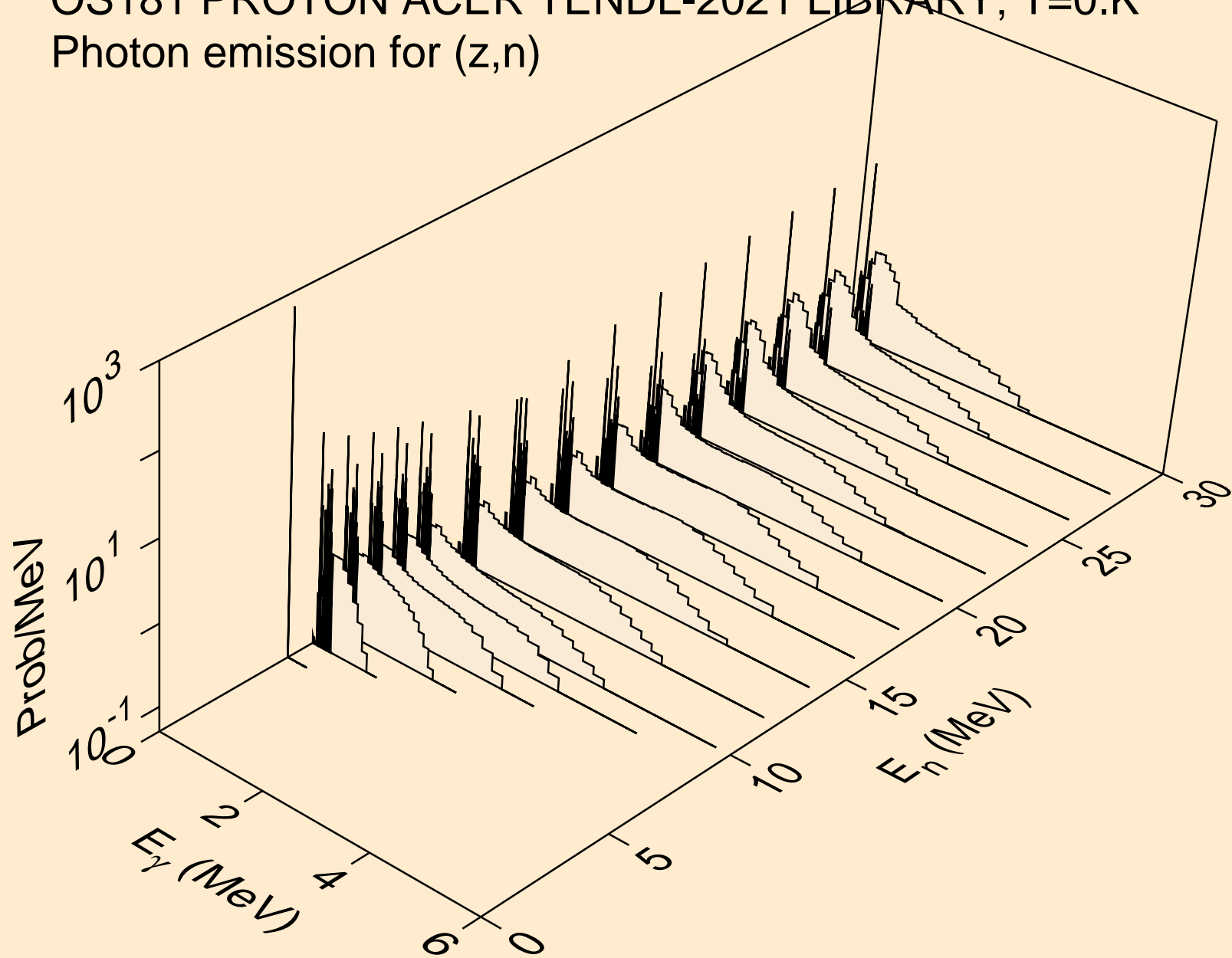
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pd)



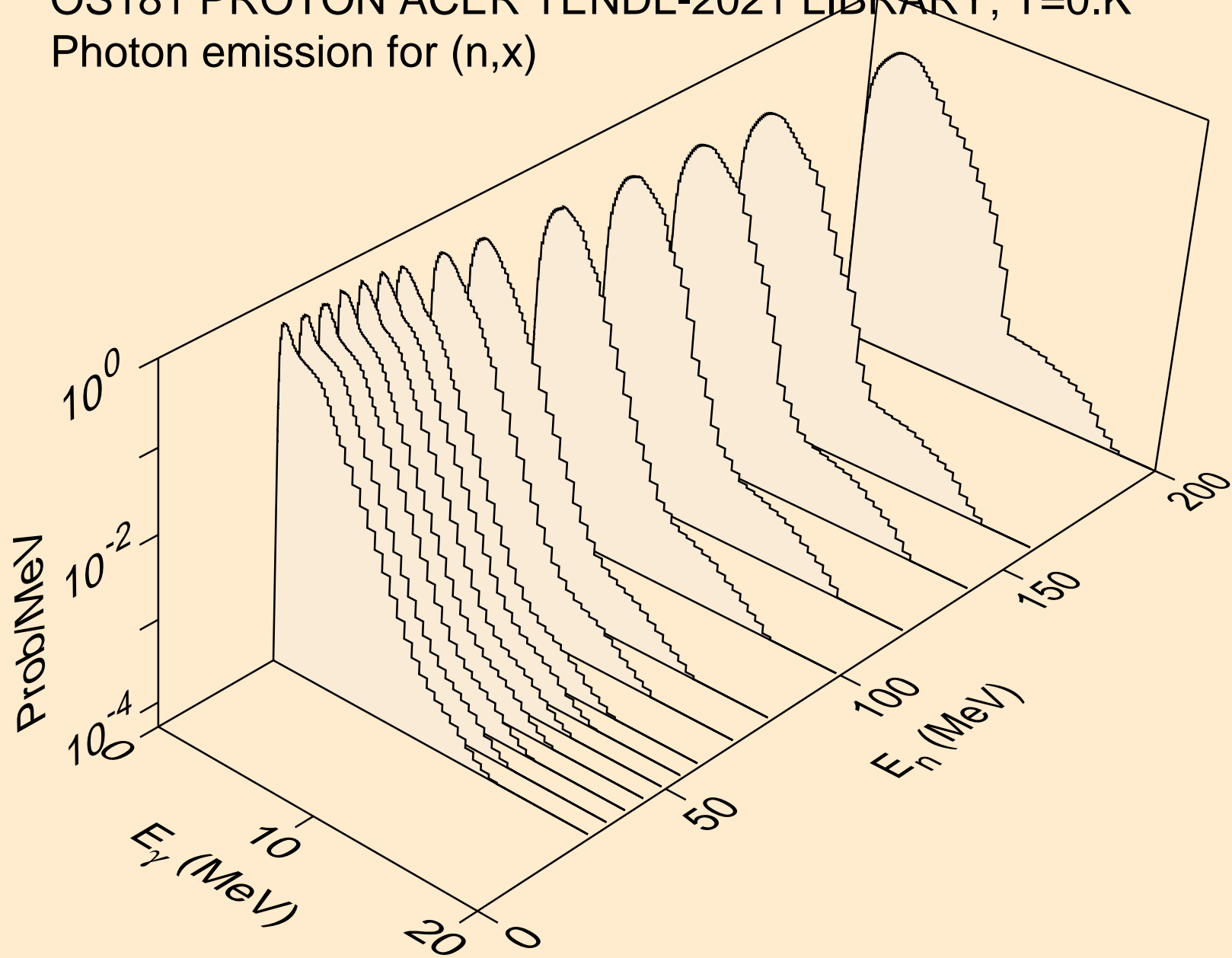
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pt)



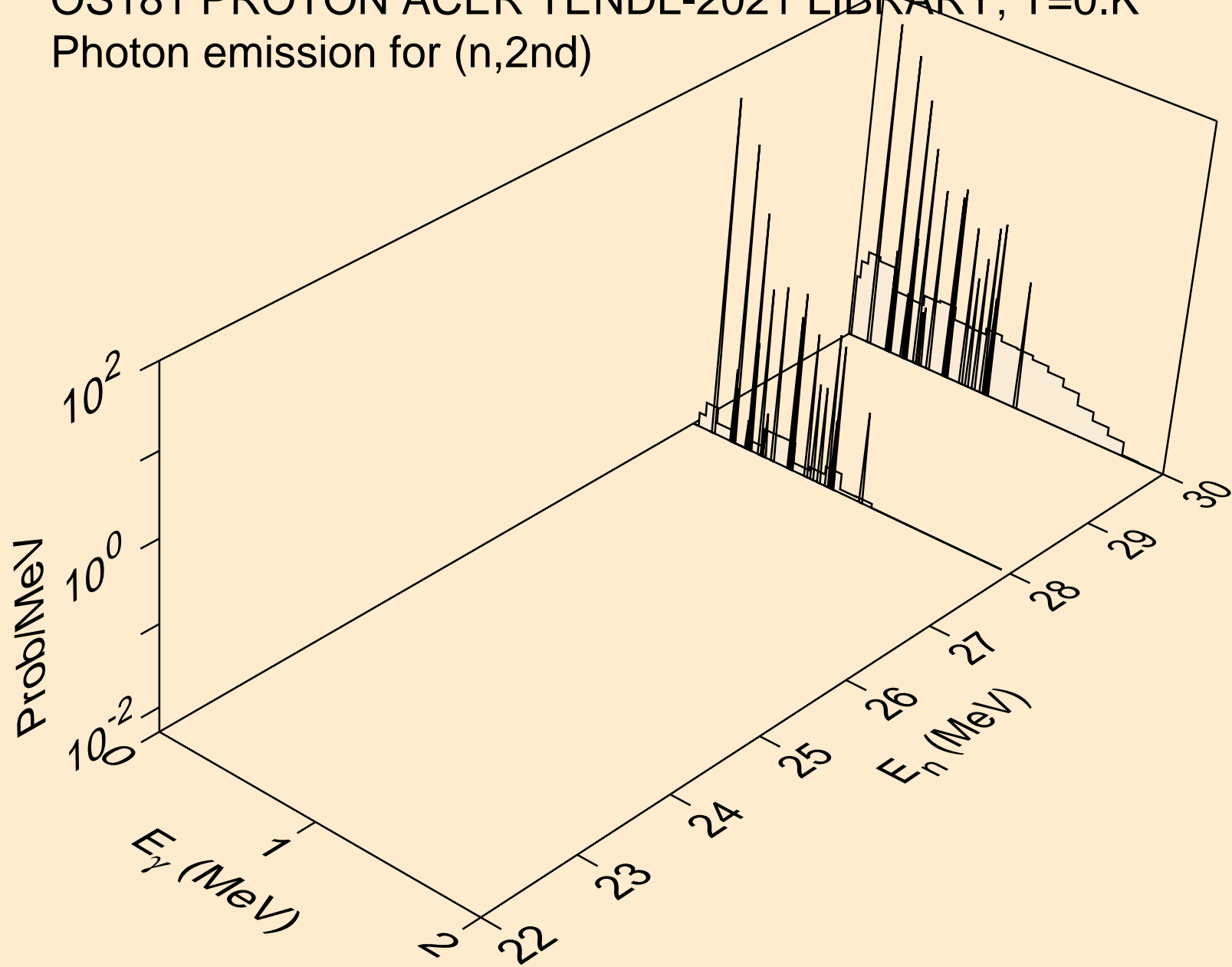
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



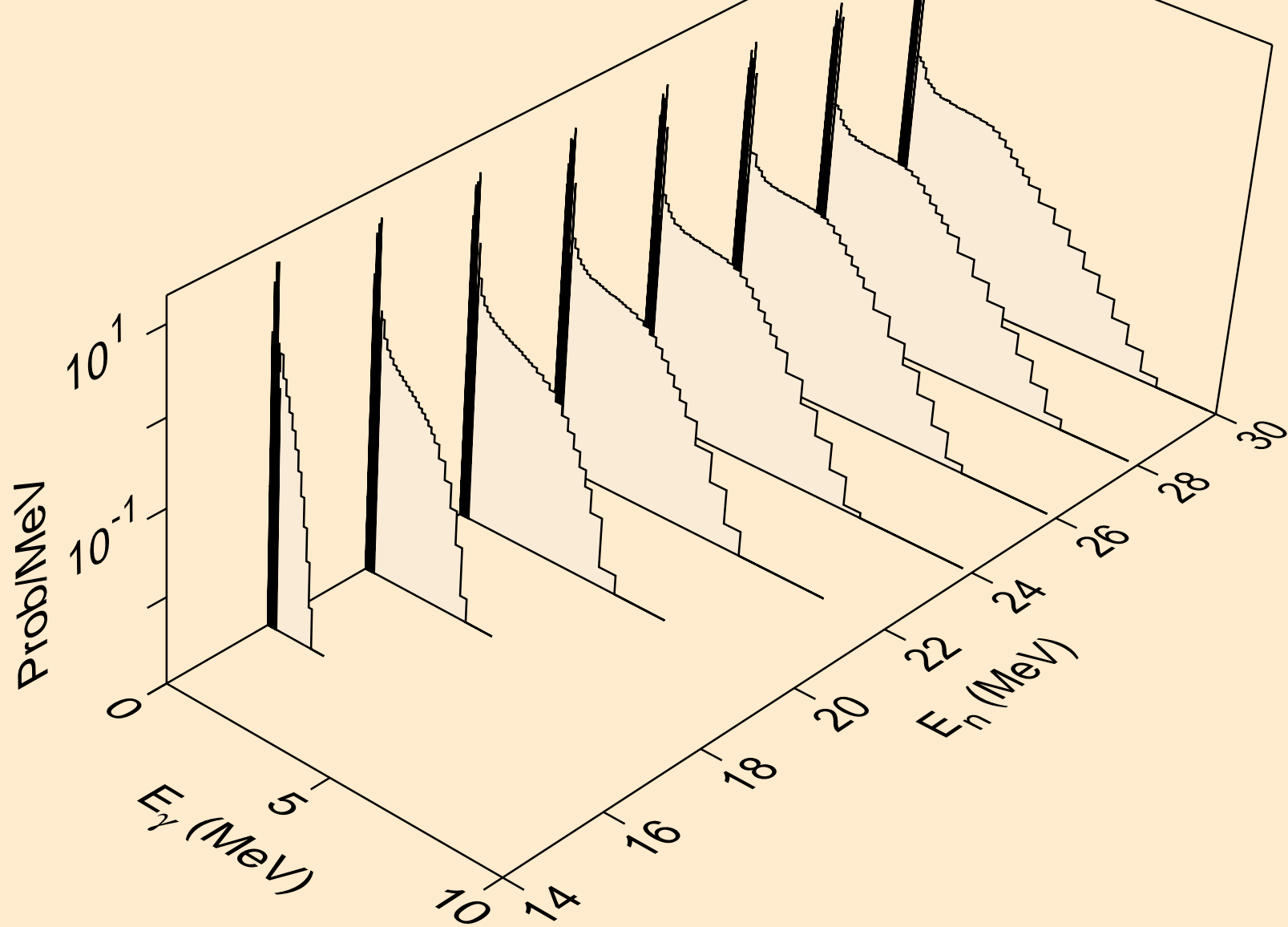
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)

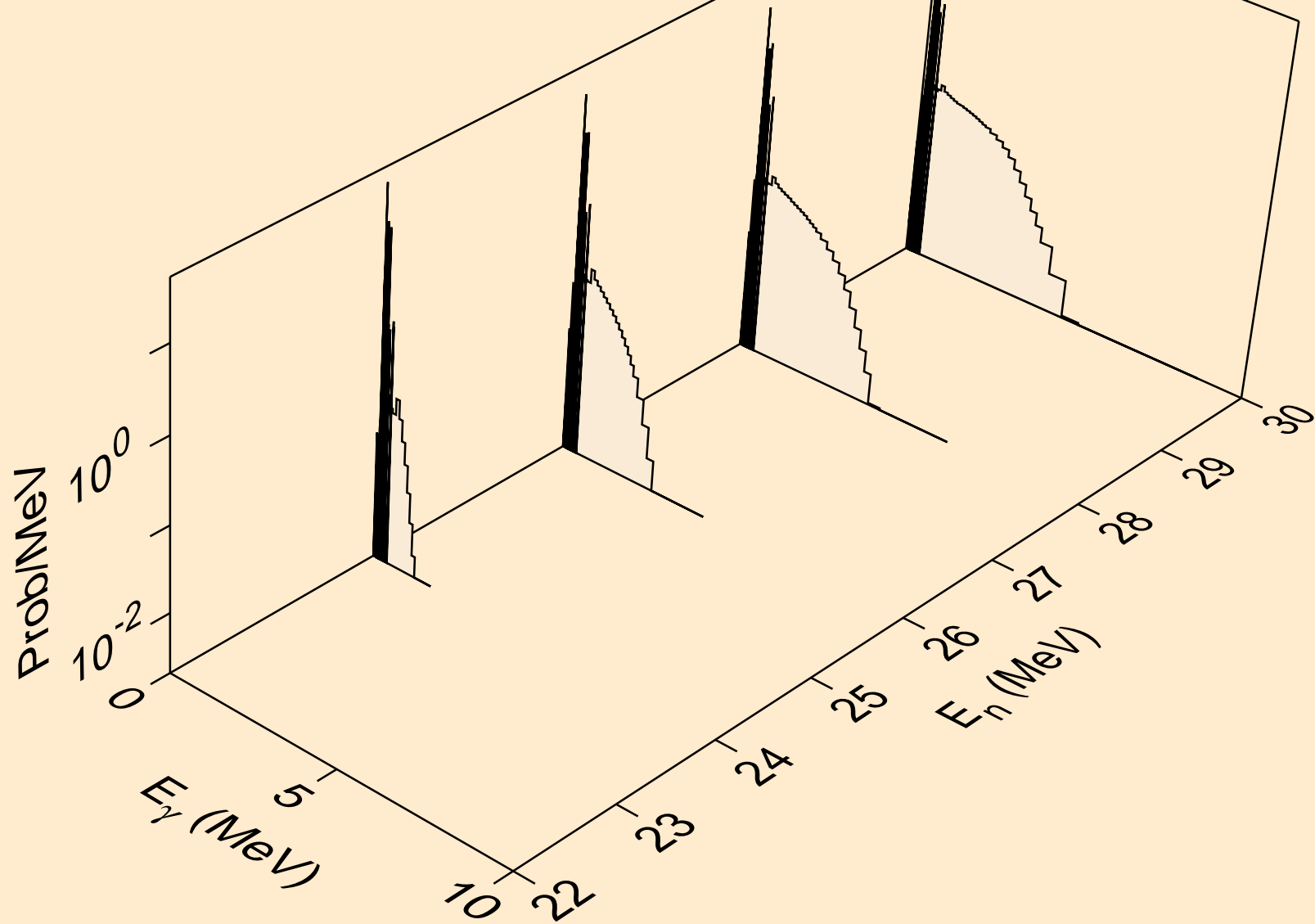


OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)

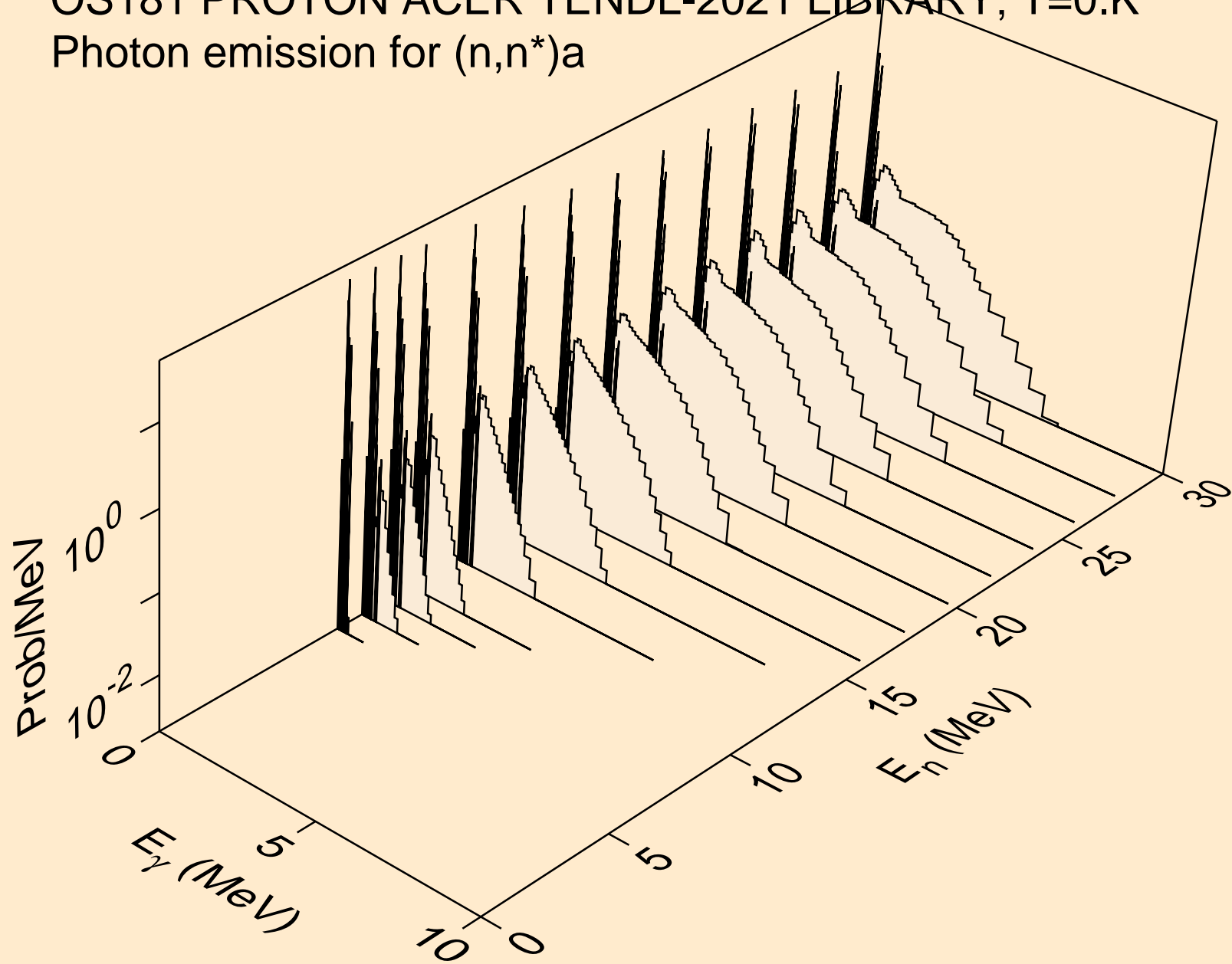




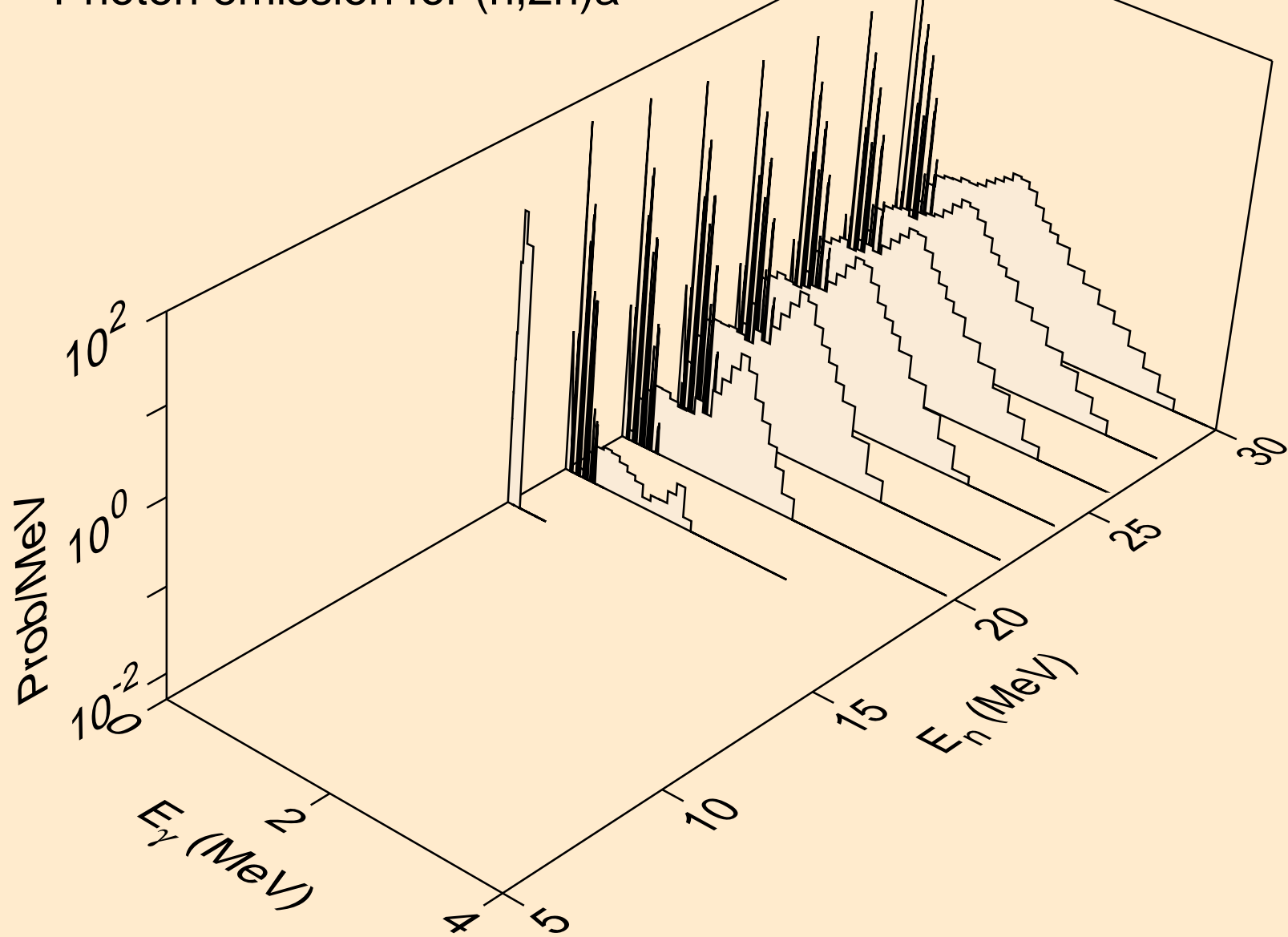
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)



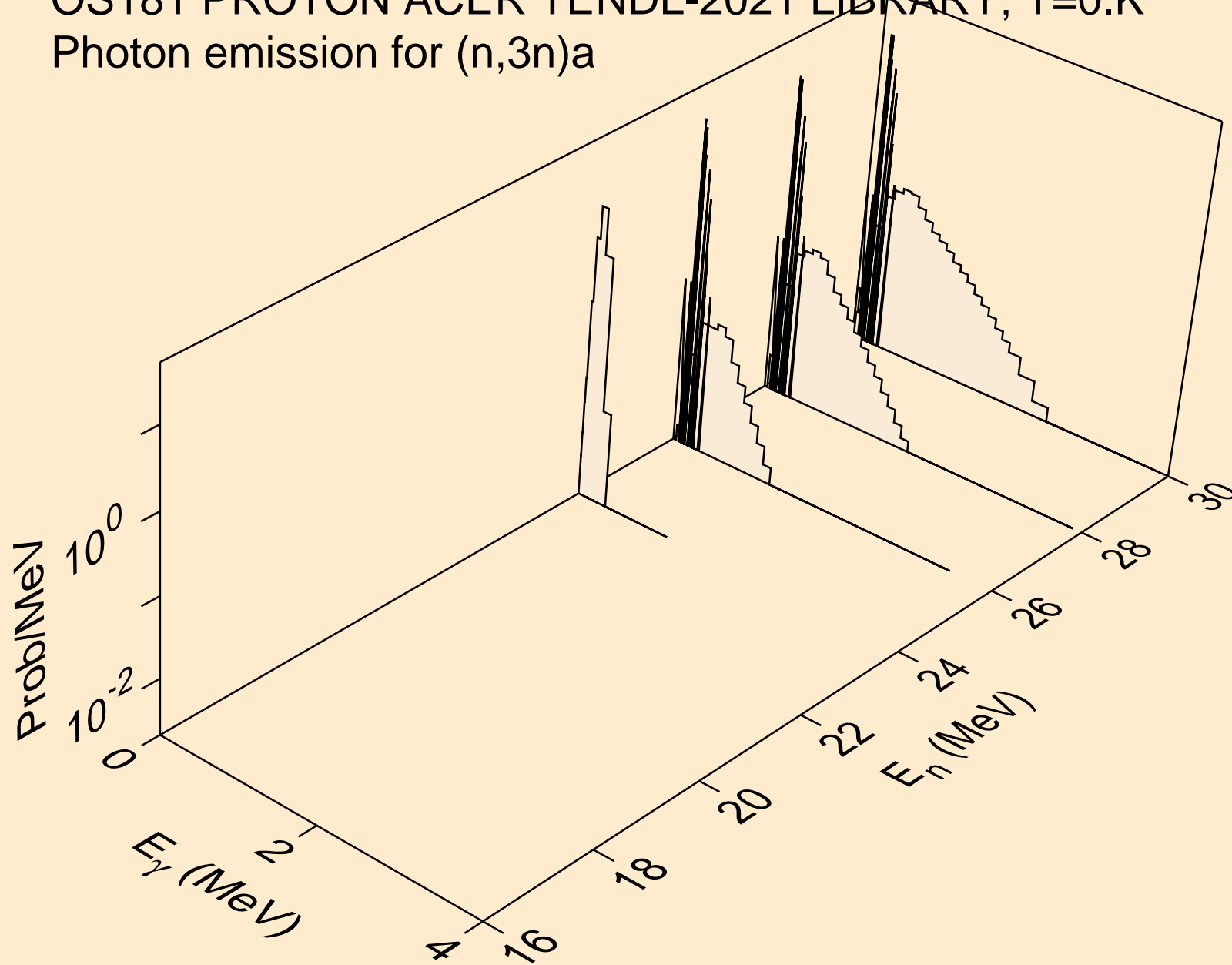
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



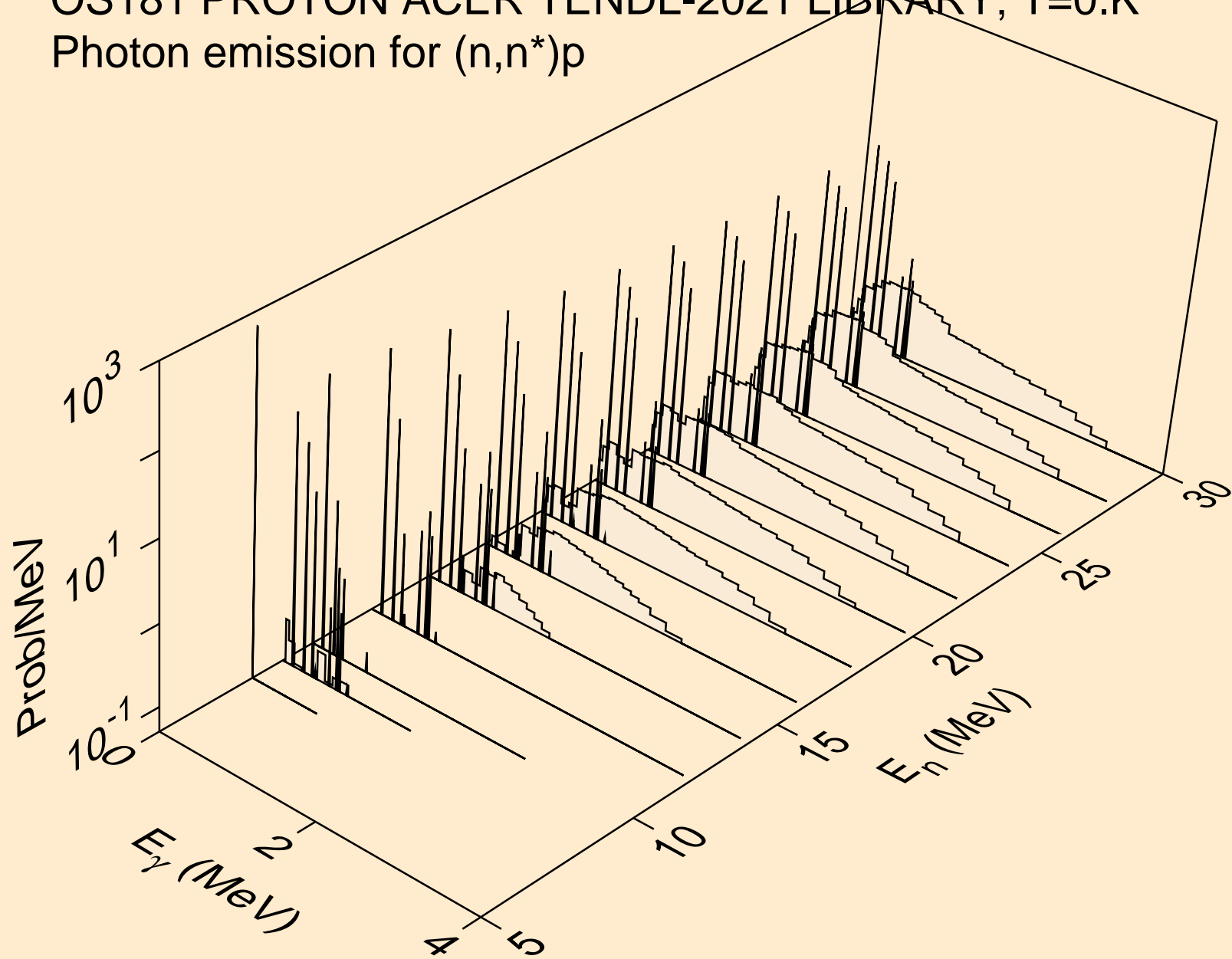
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)a



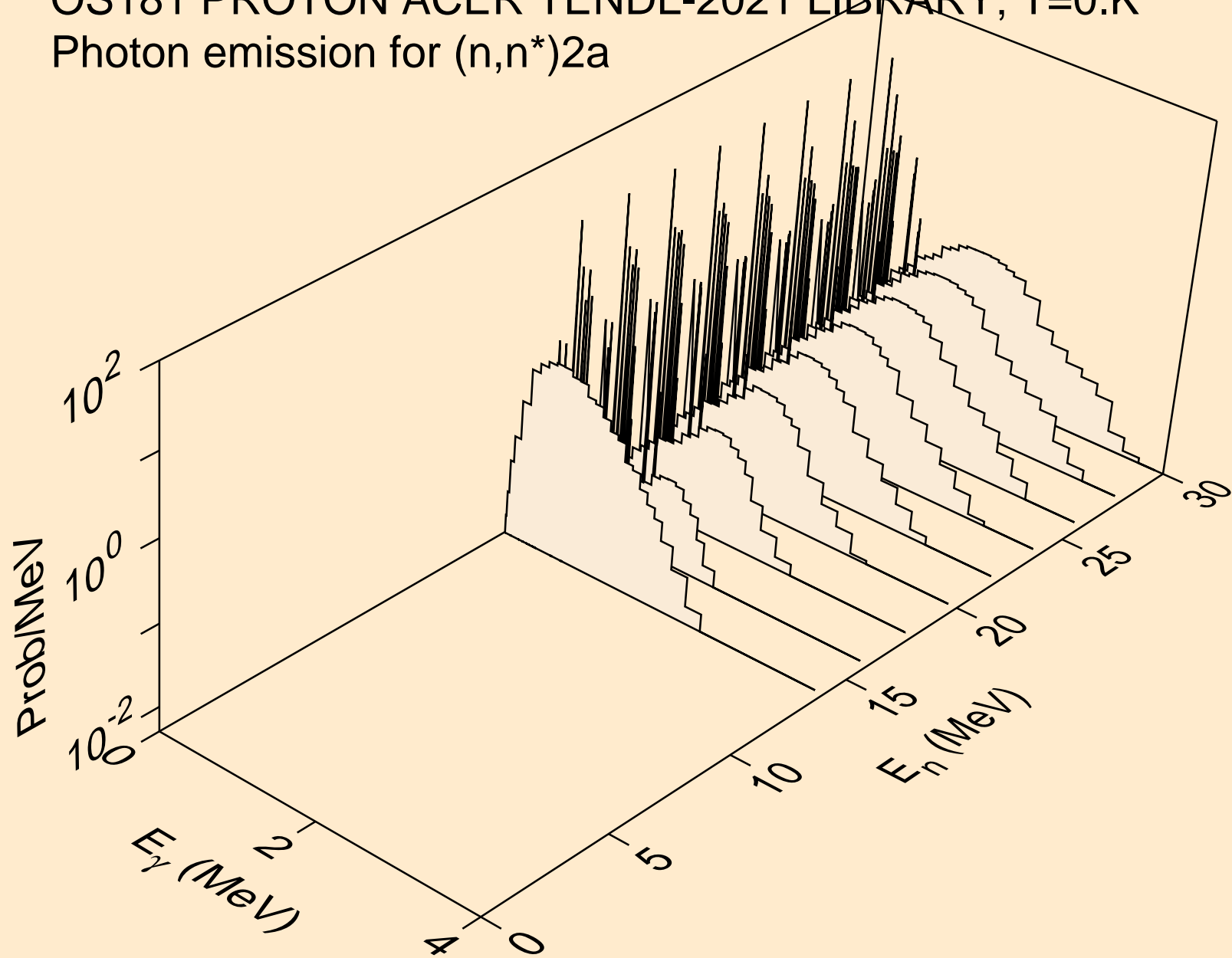
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)a



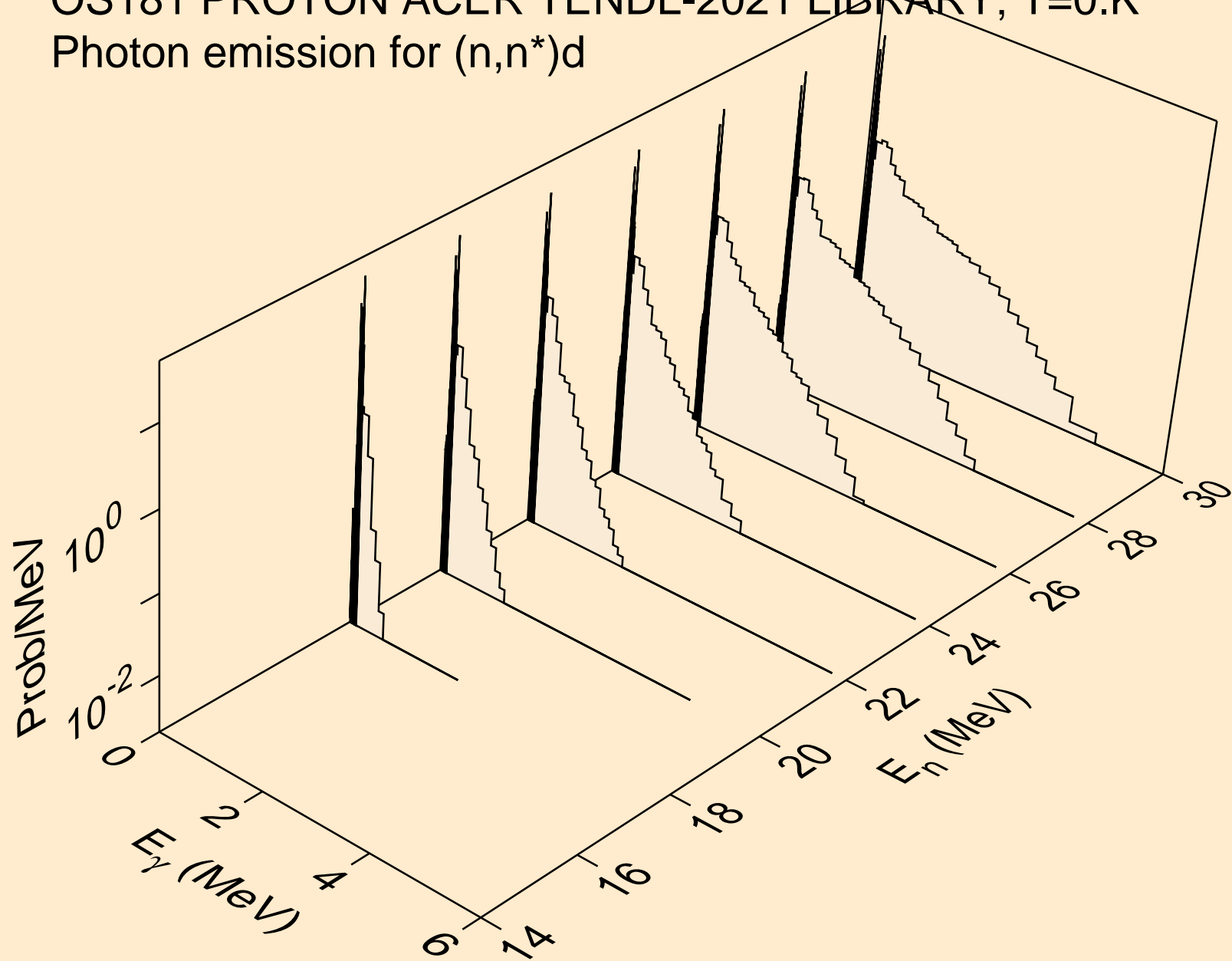
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



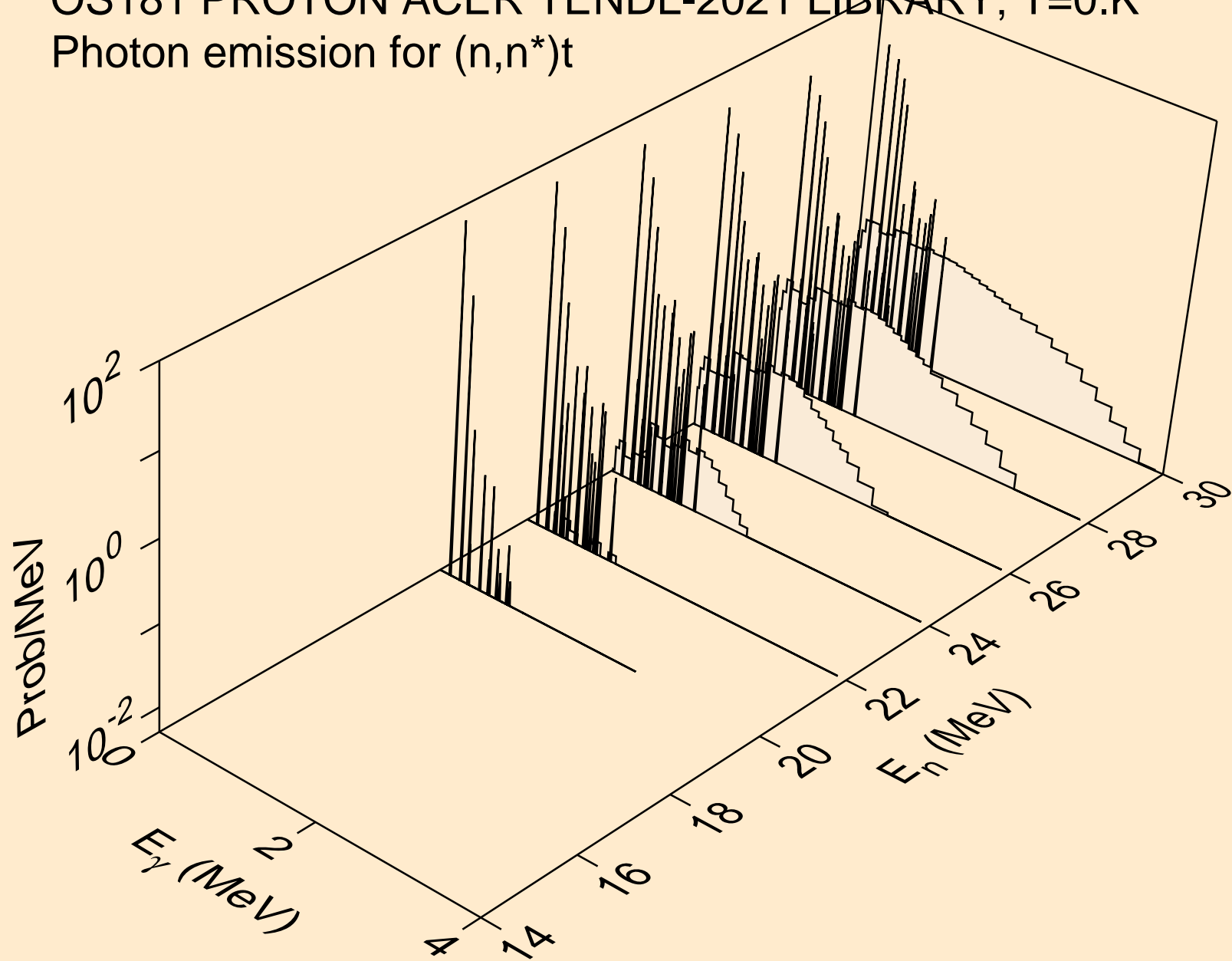
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

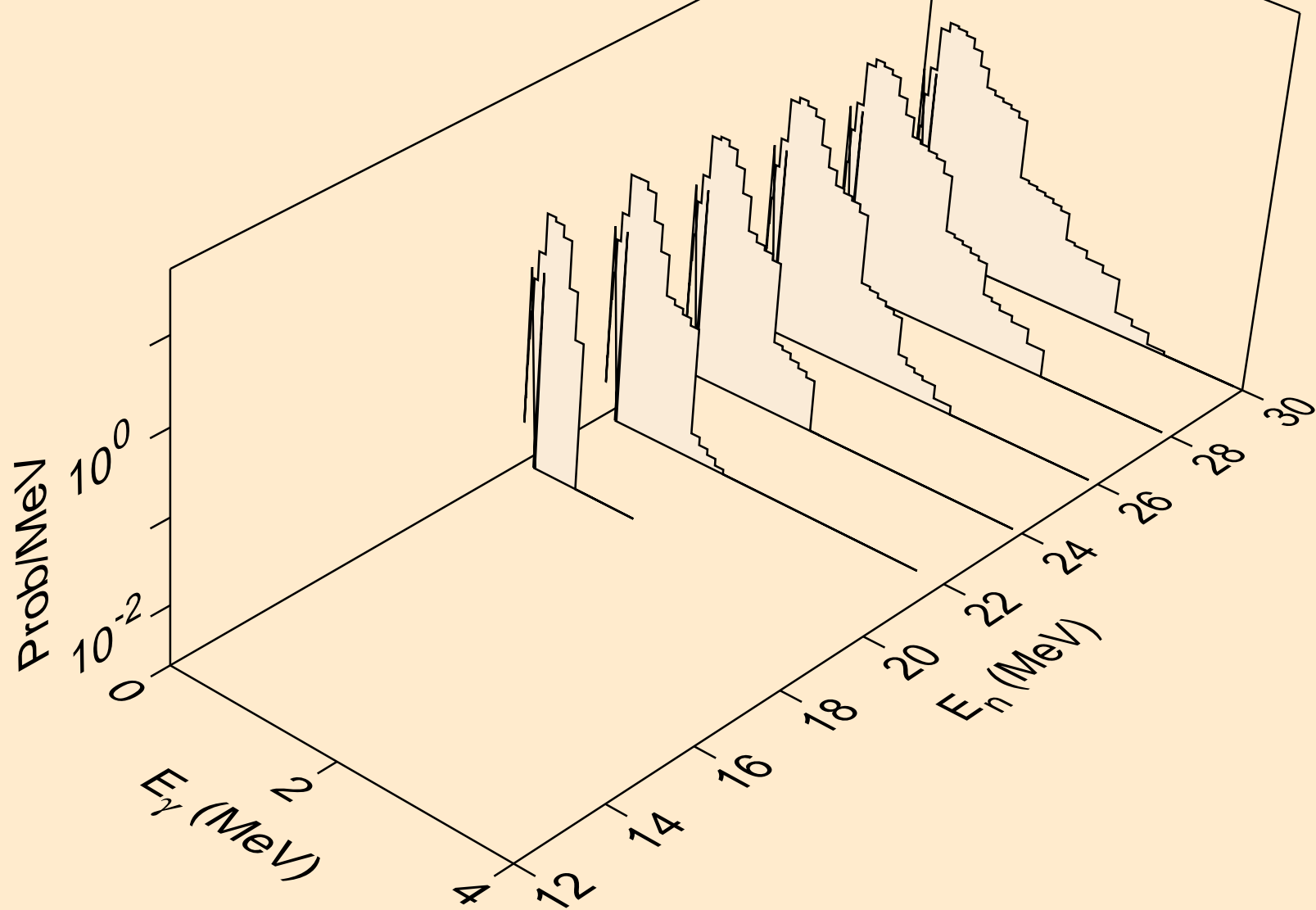


OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

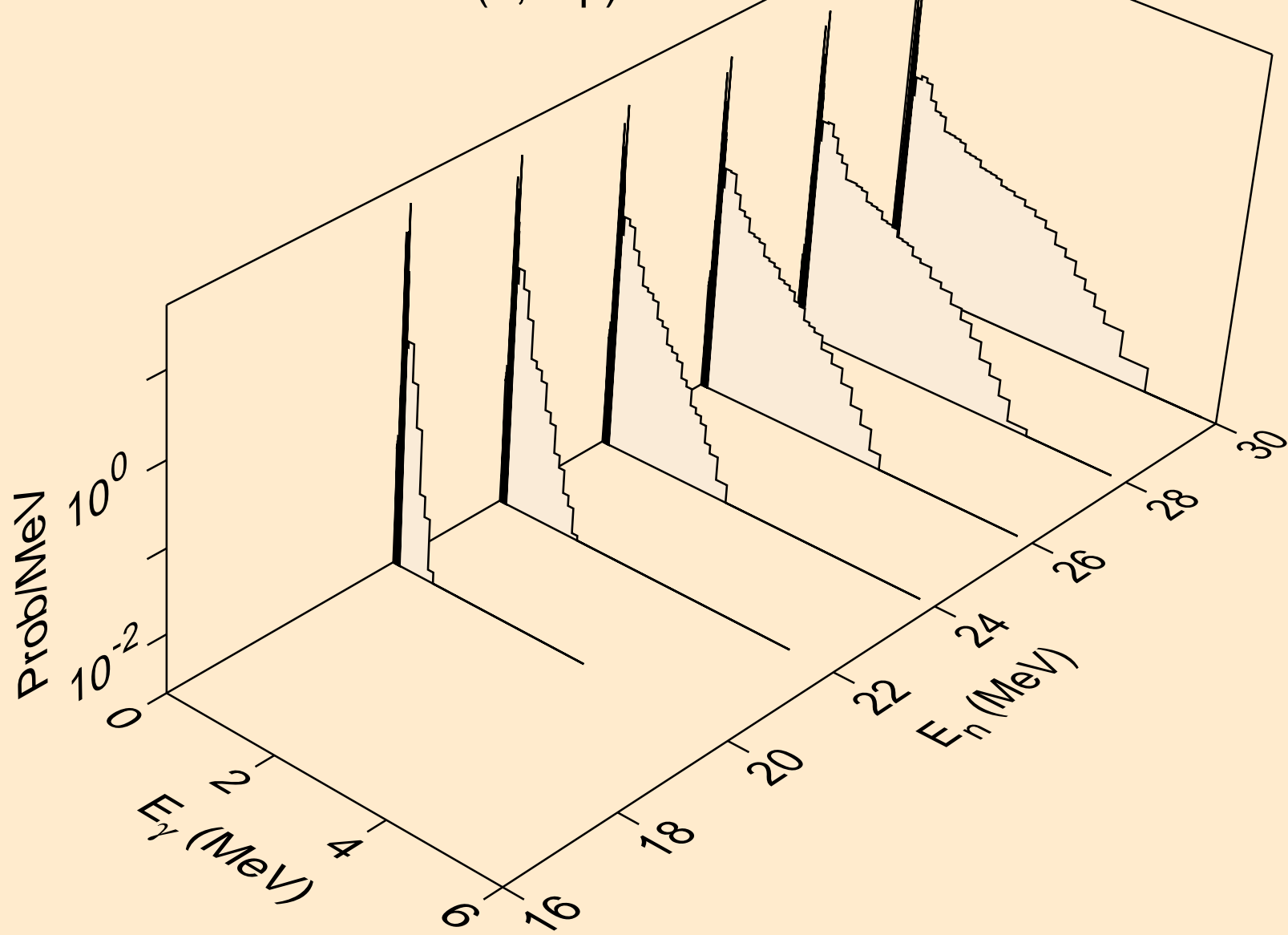




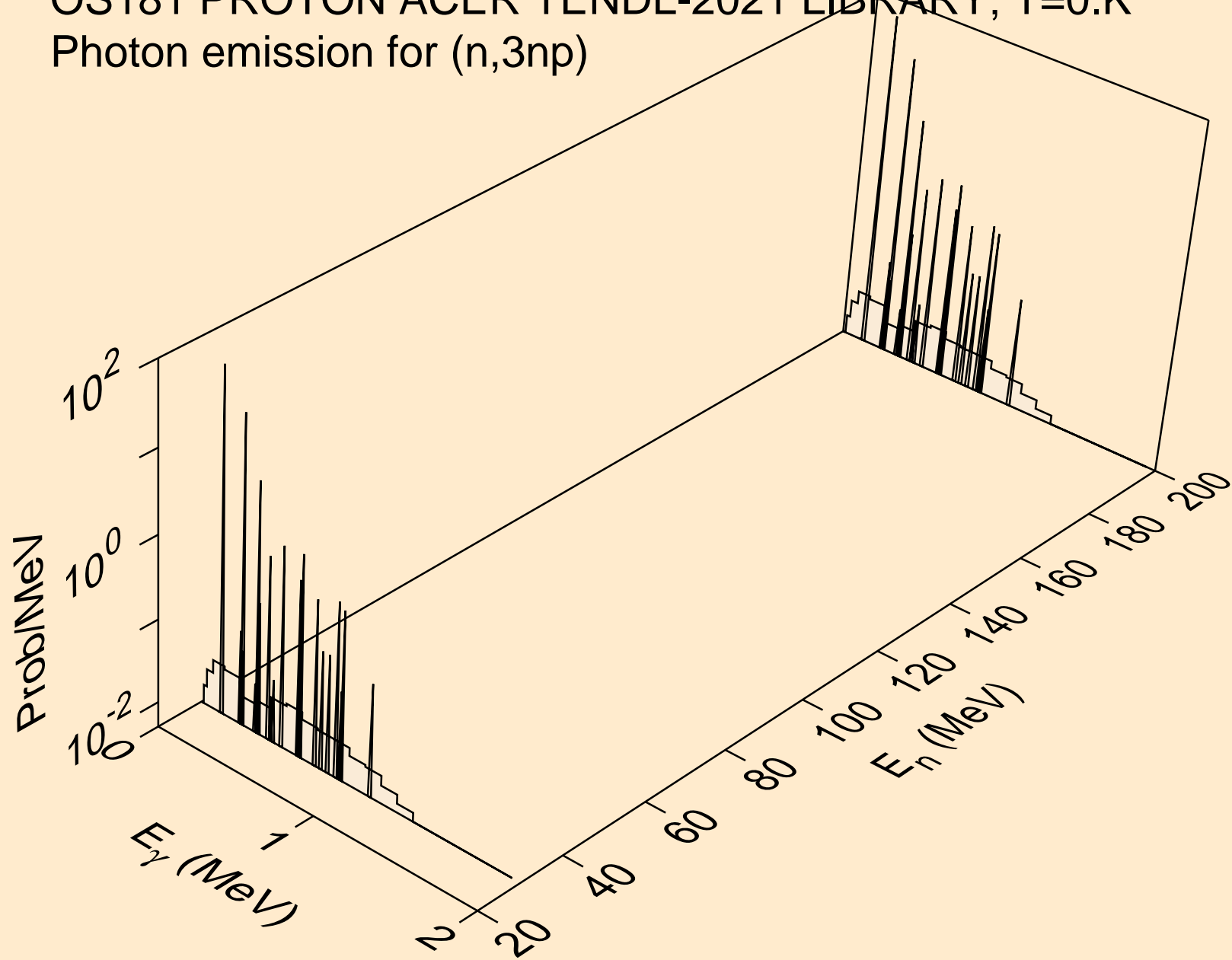
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



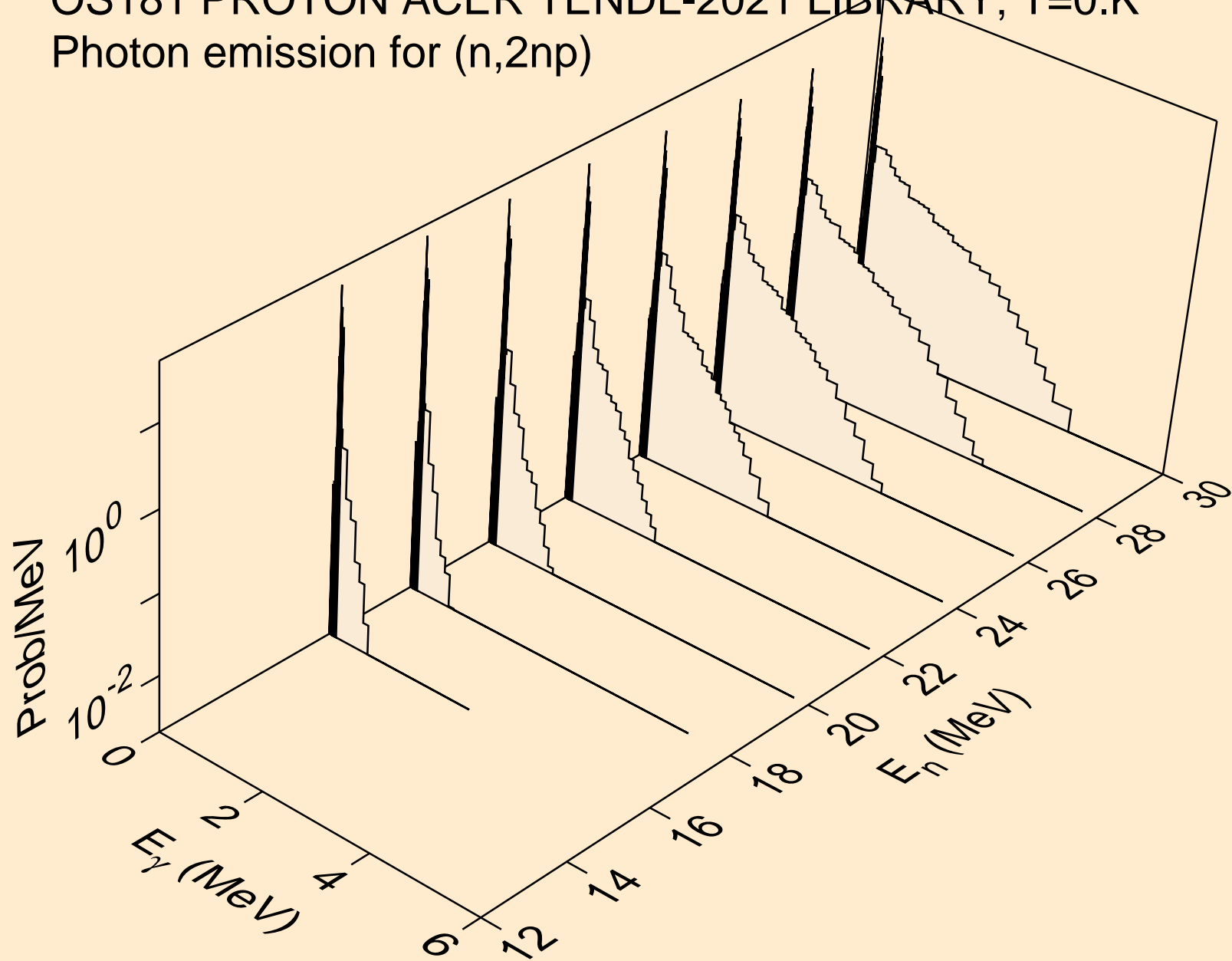
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



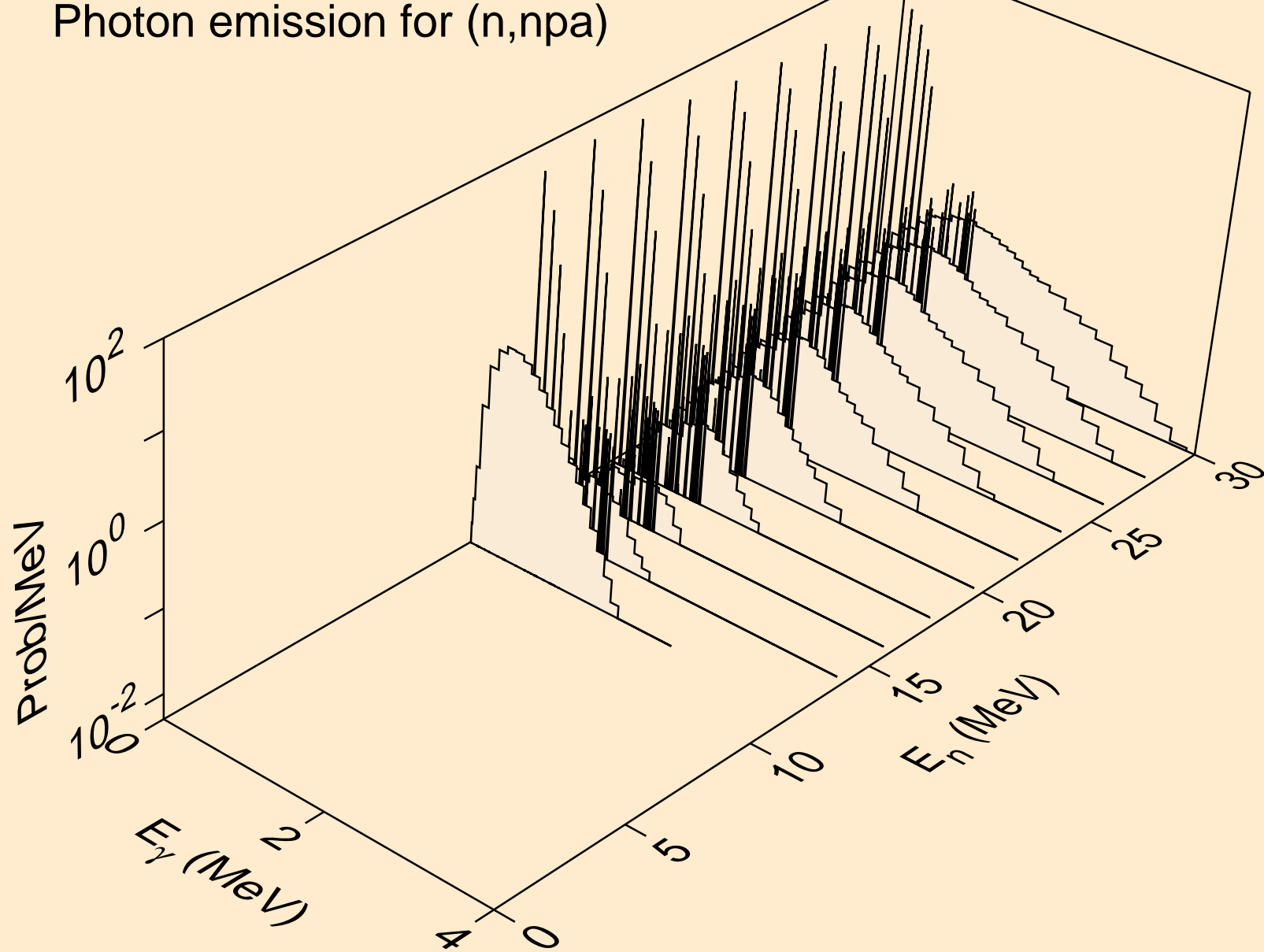
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3np)



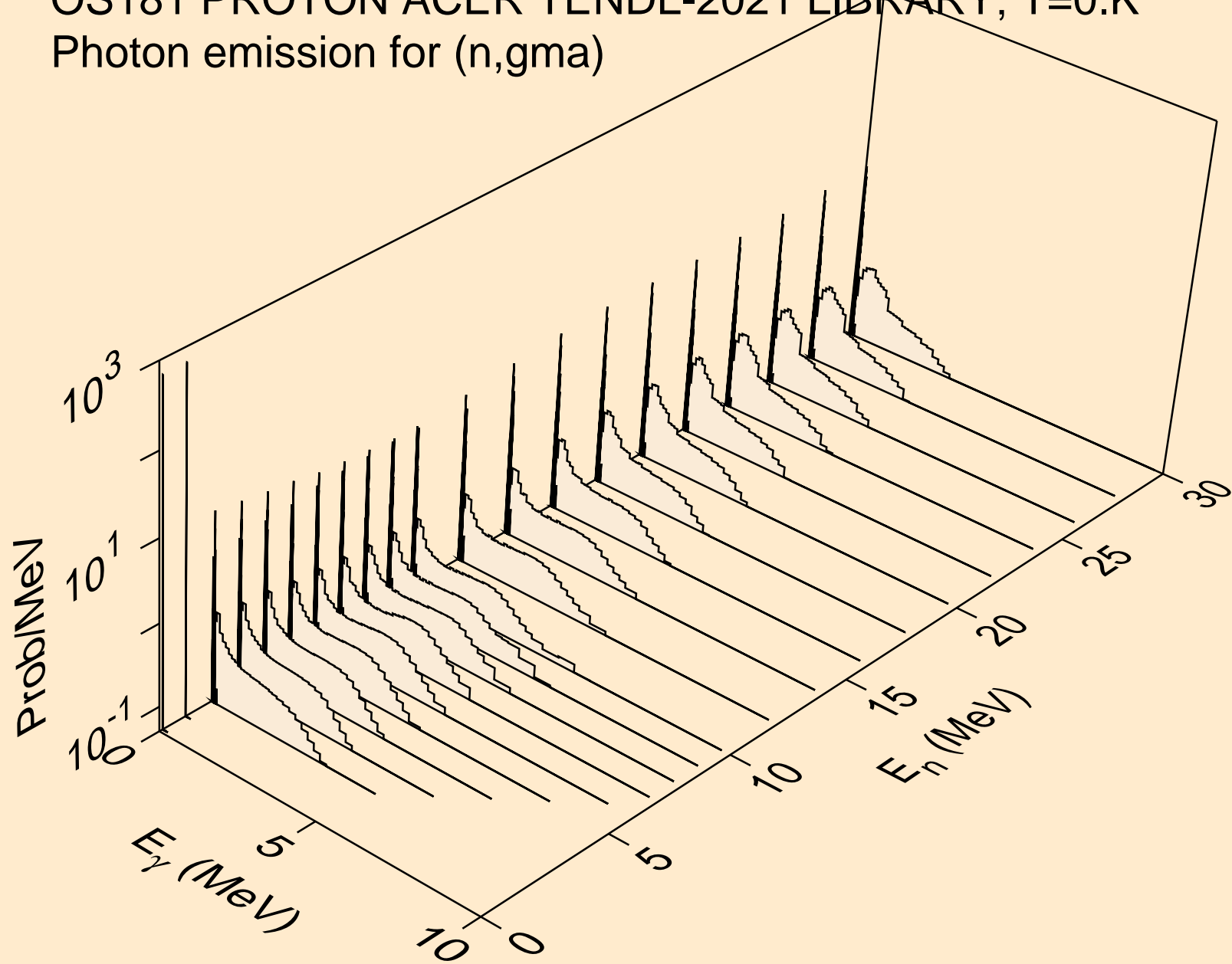
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Photon emission for (n,2np)



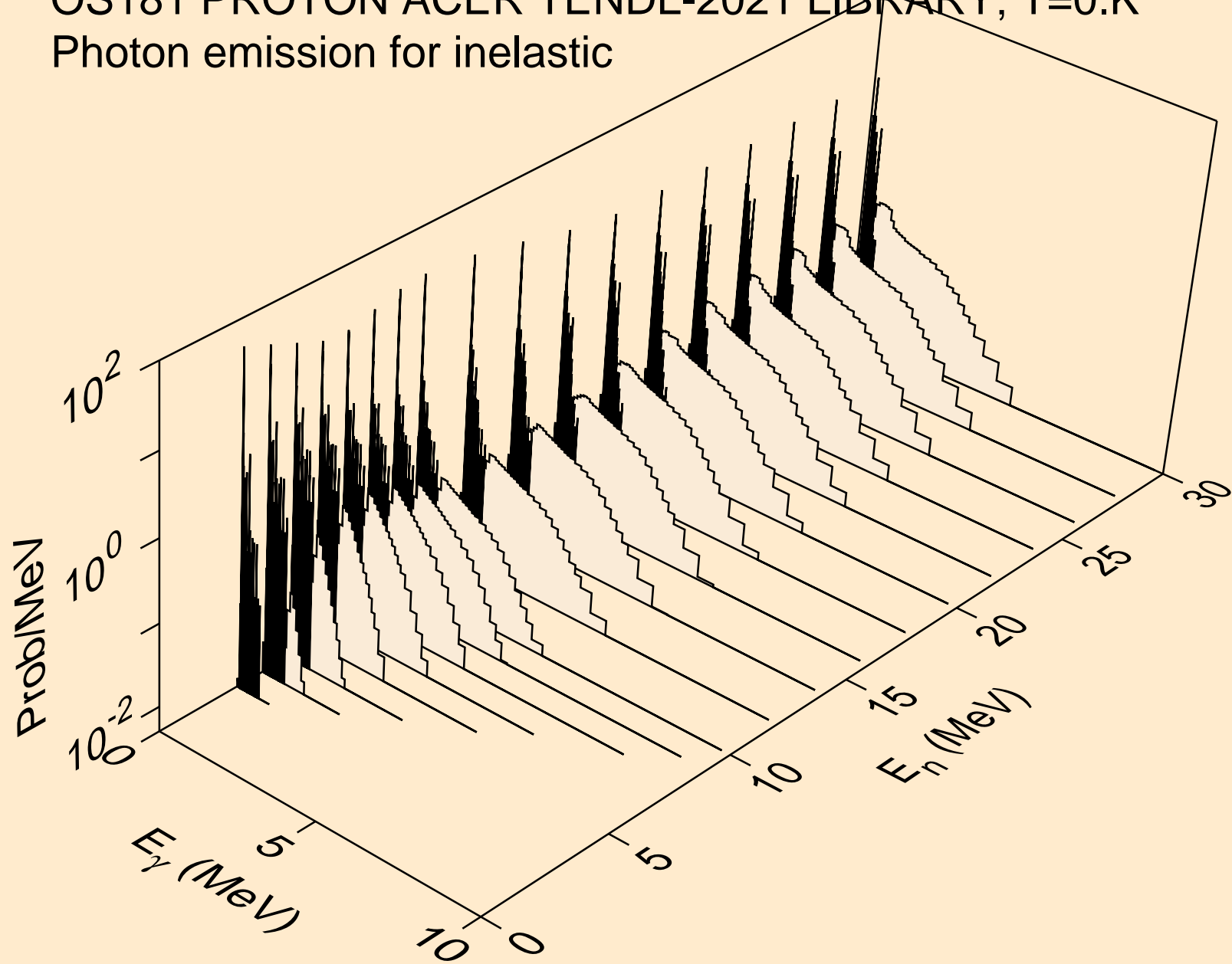
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,npa)



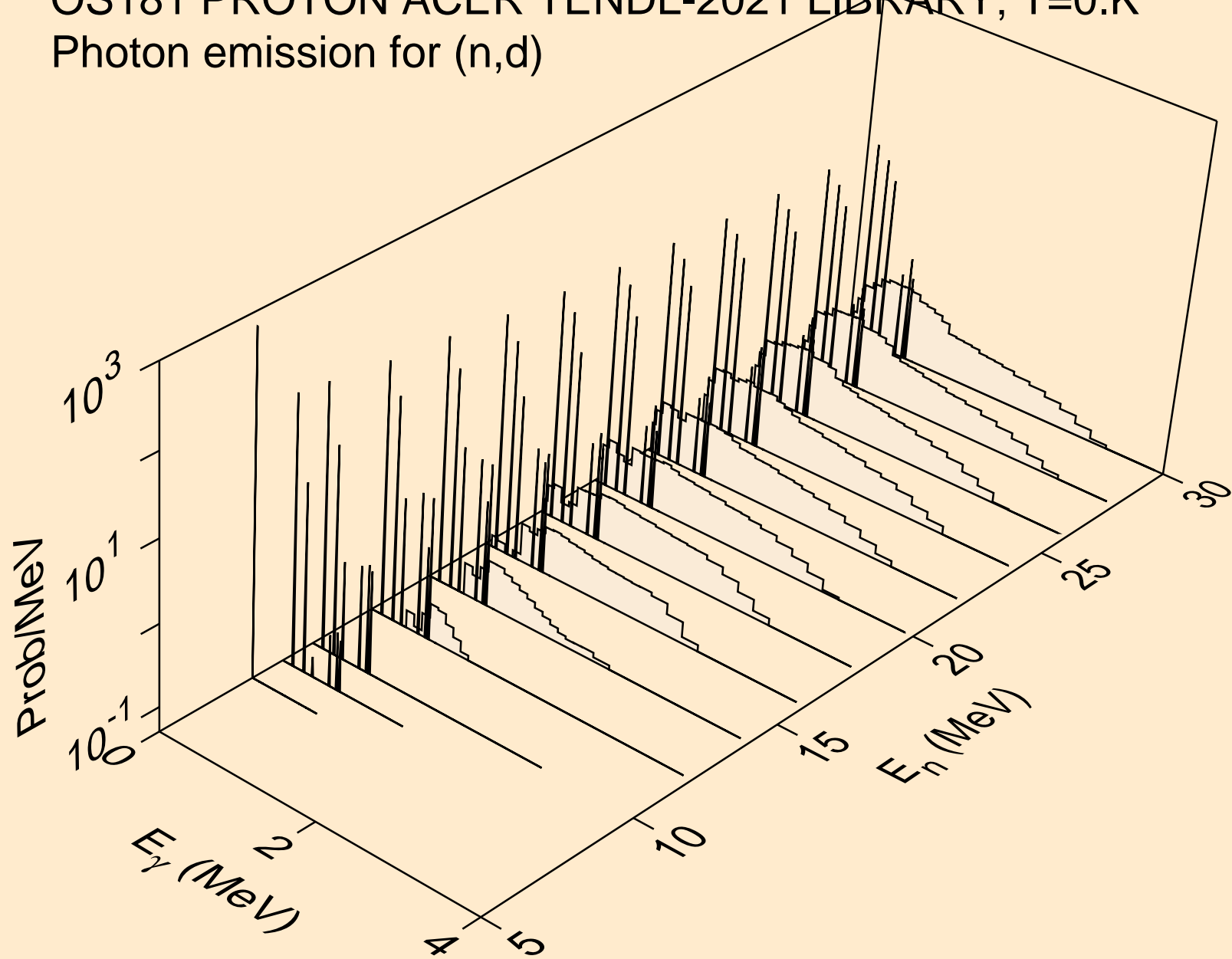
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,gma)



OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic

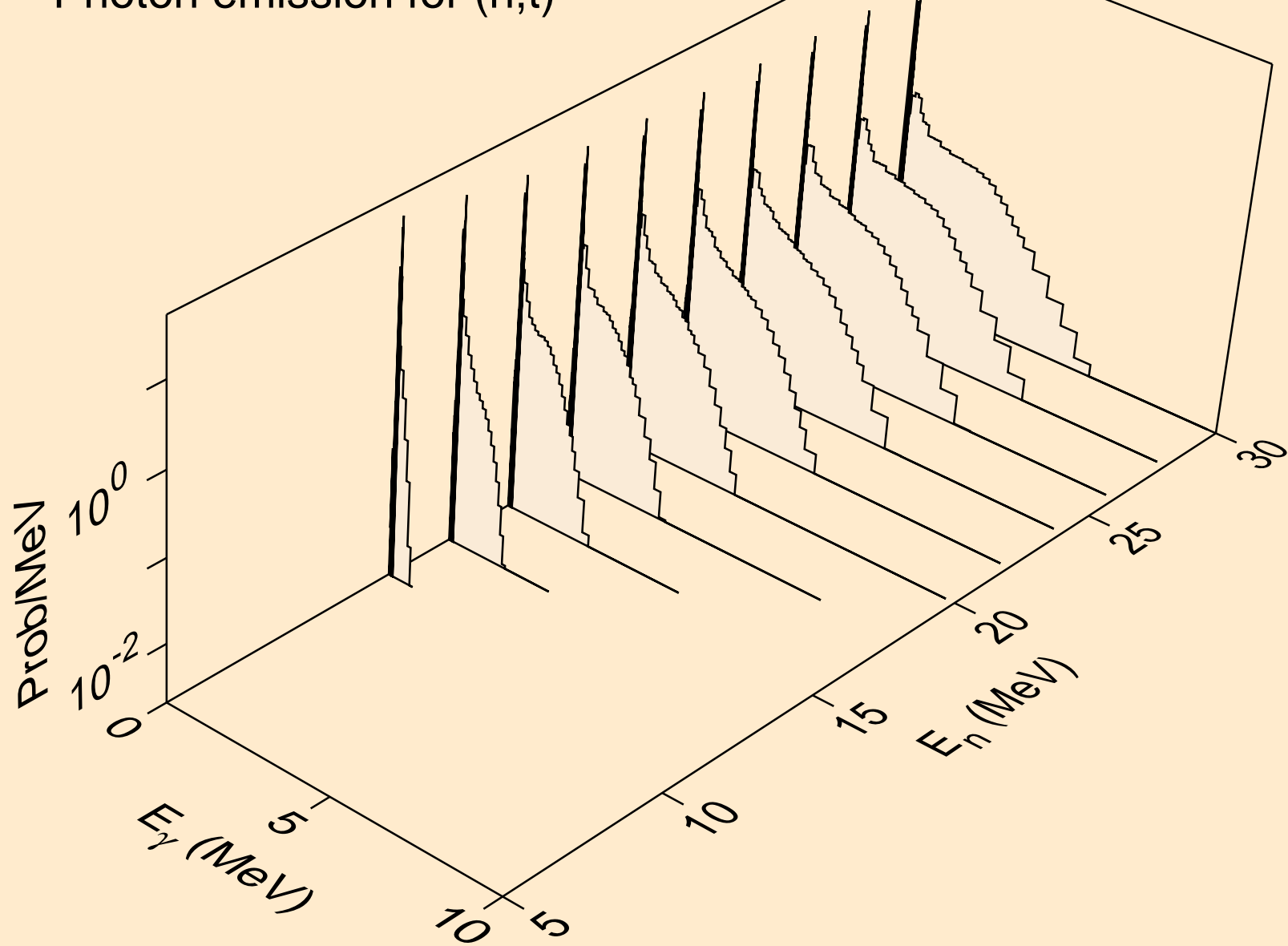


OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,d)

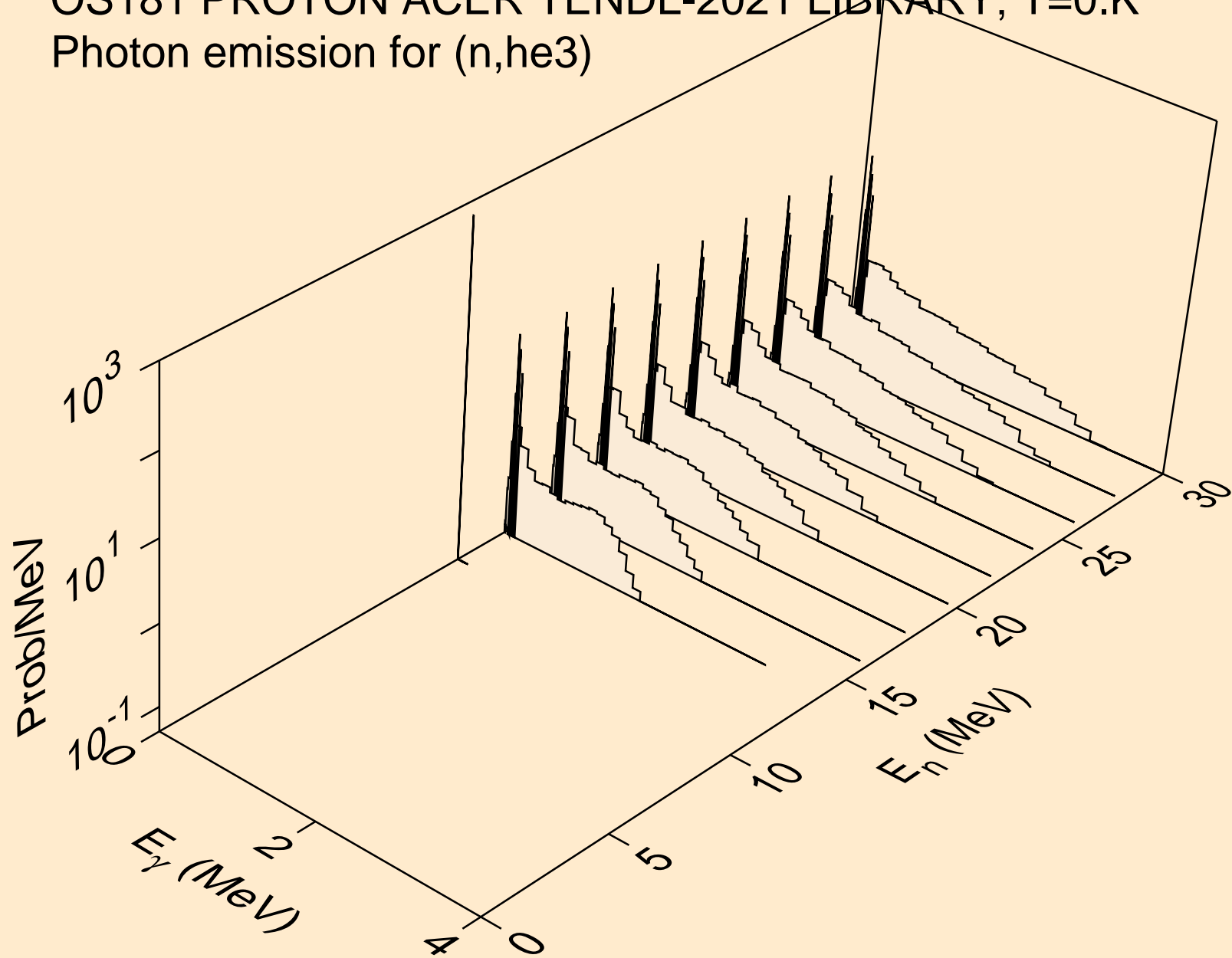




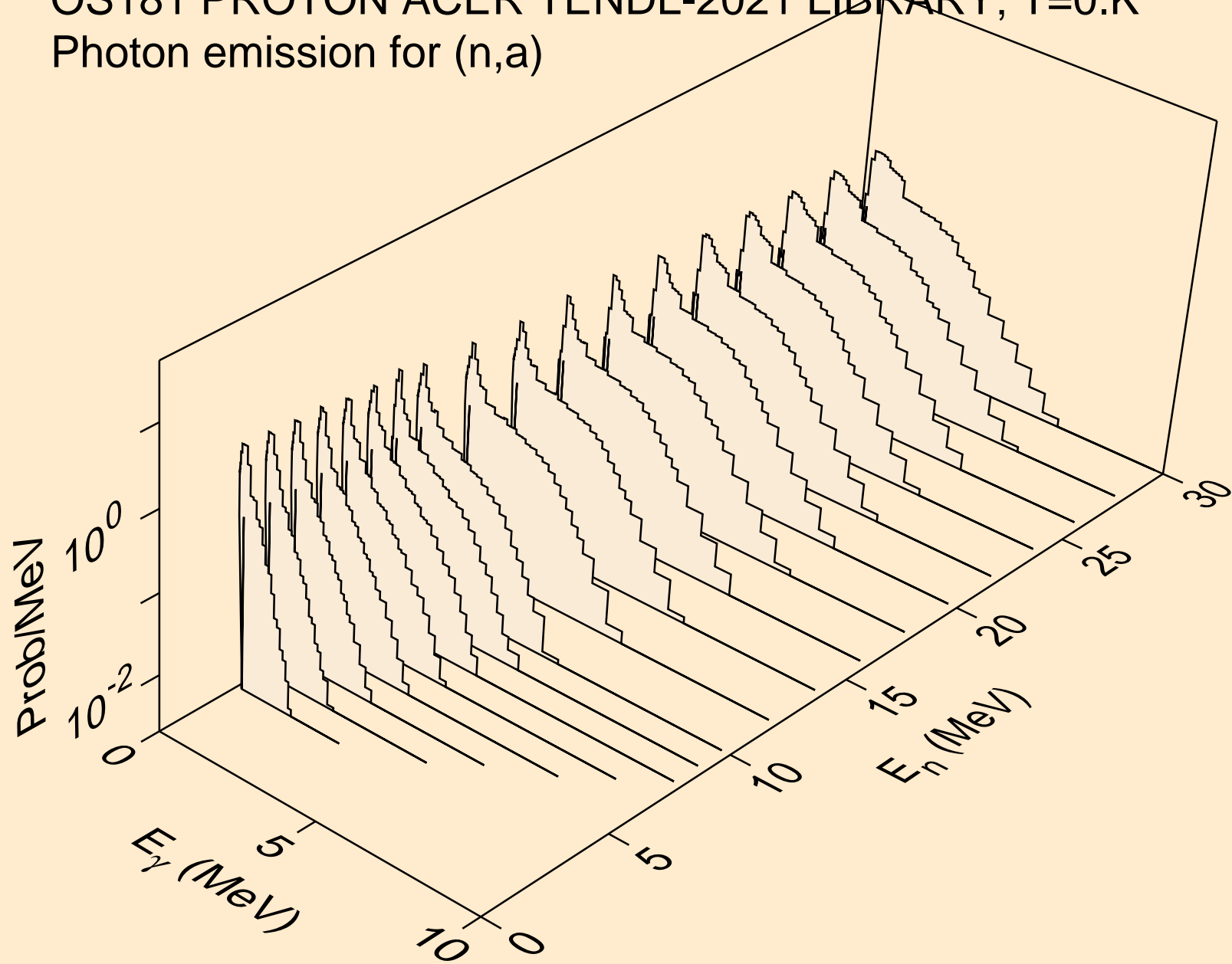
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,t)



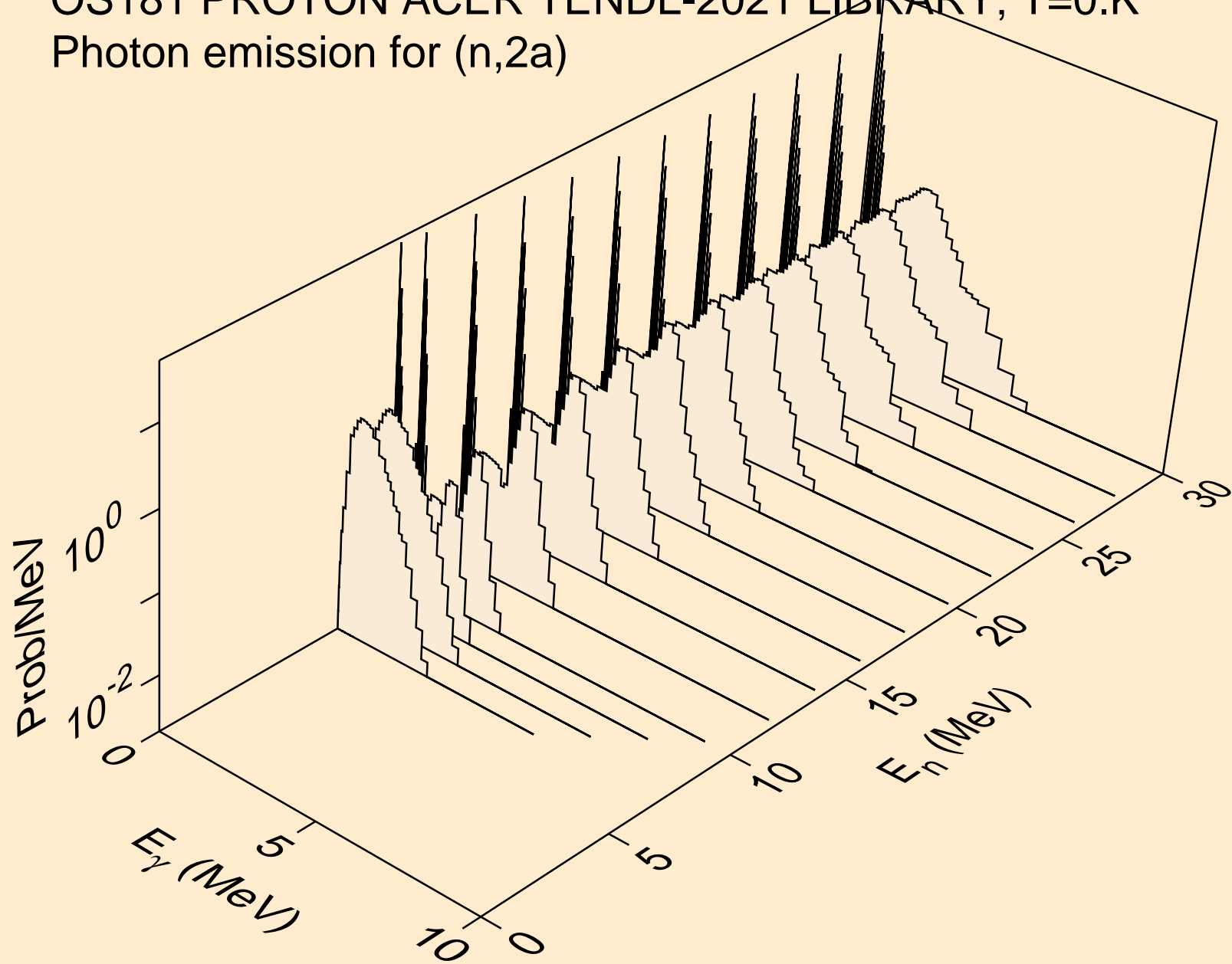
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,he3)



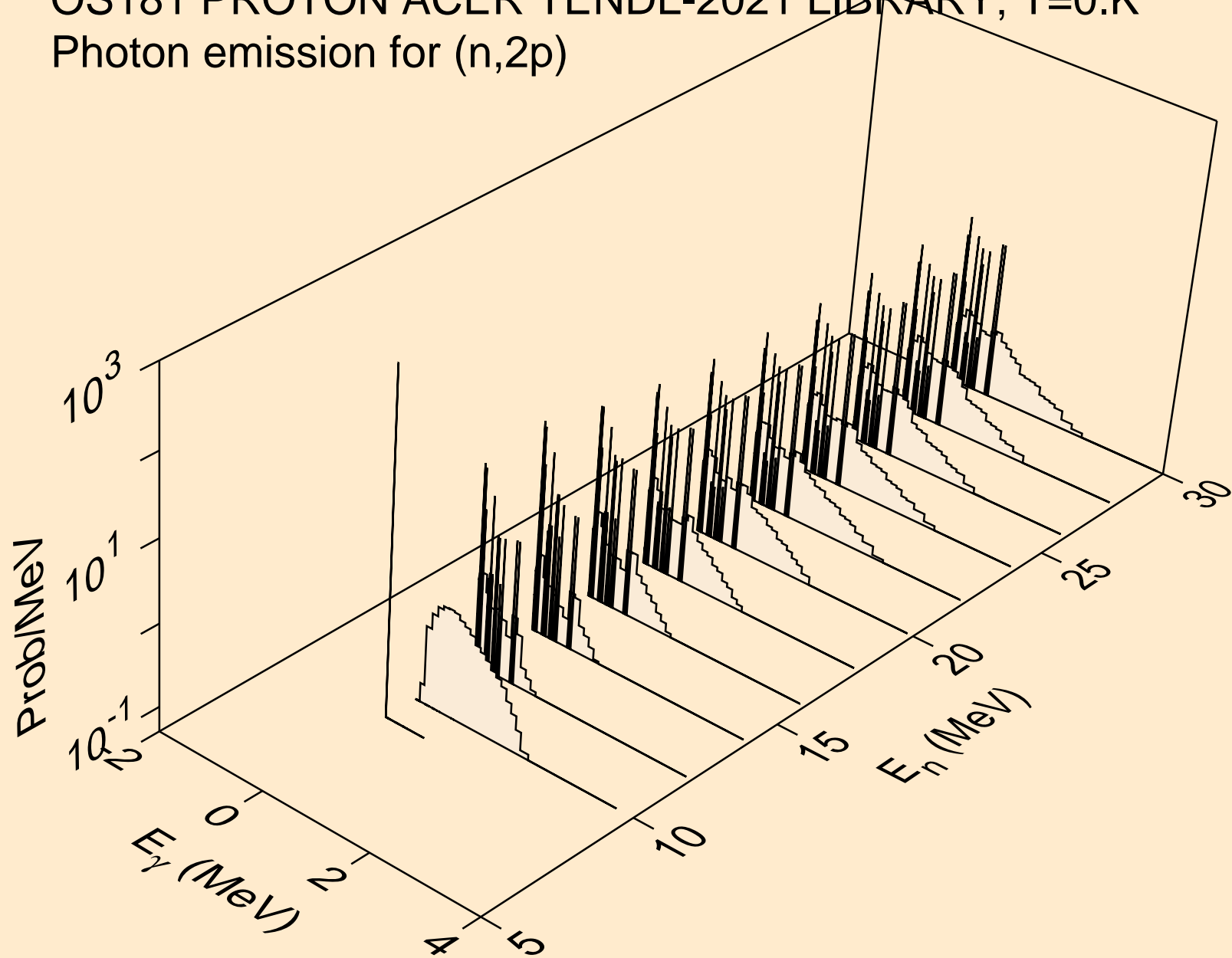
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,a)



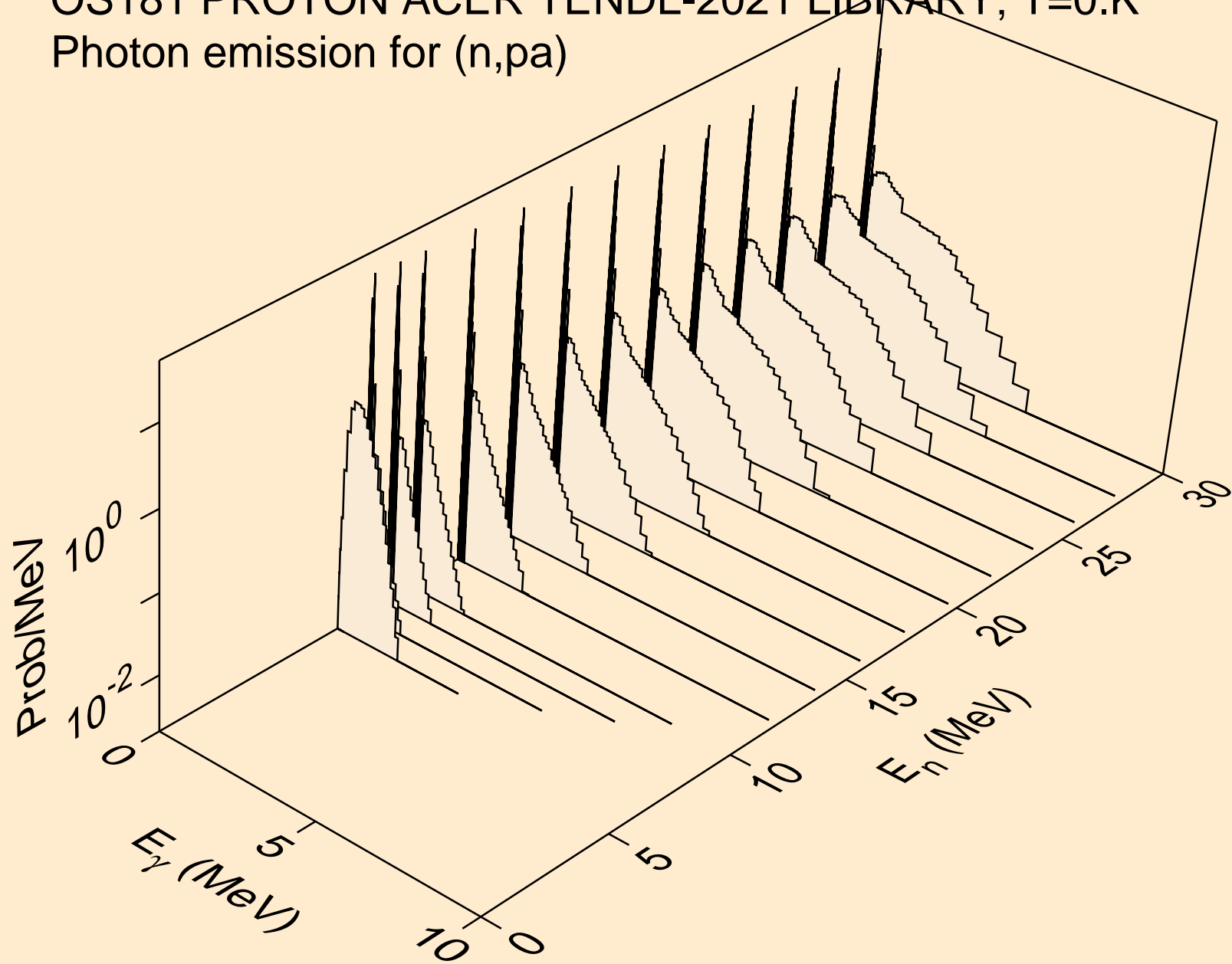
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2a)



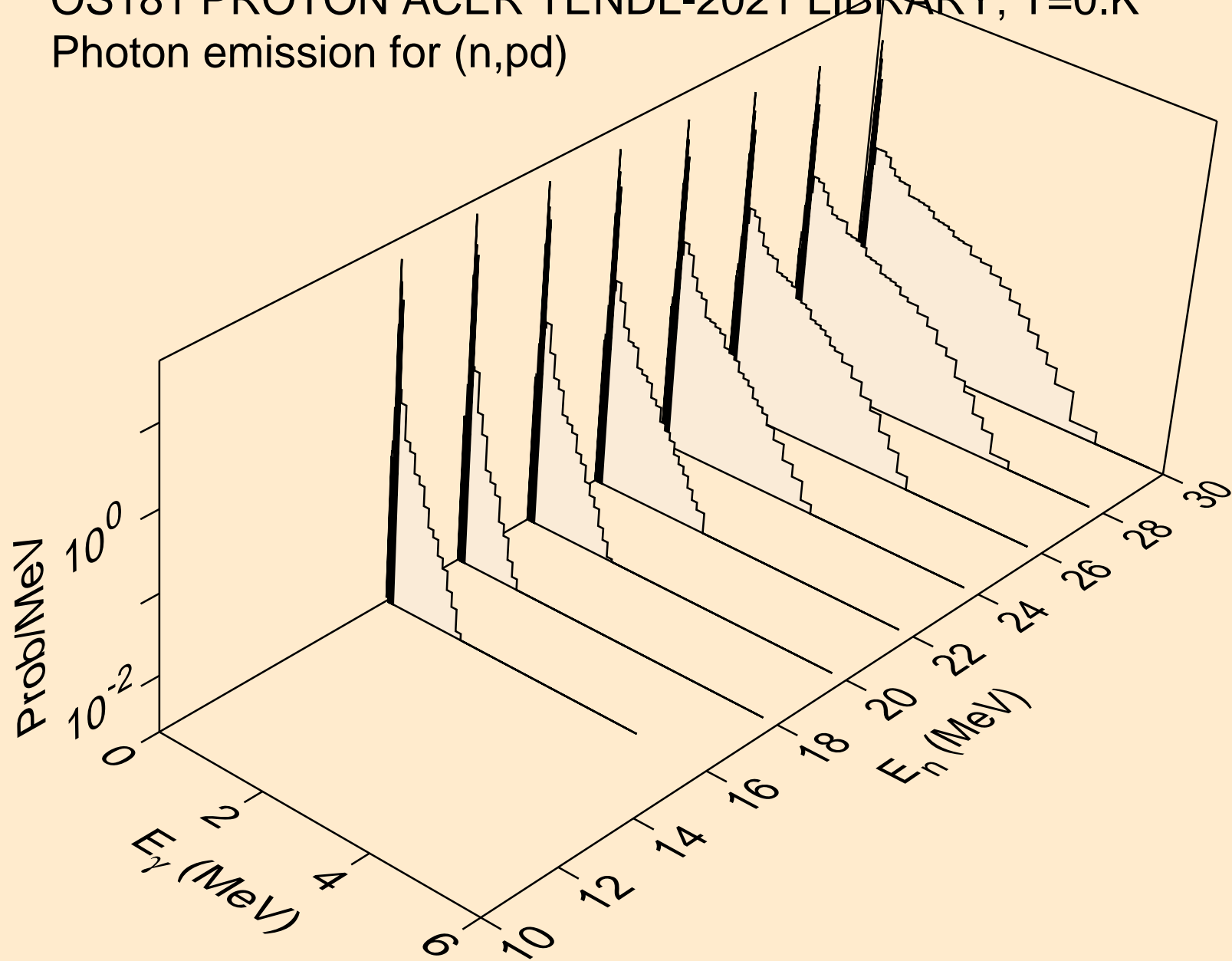
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)



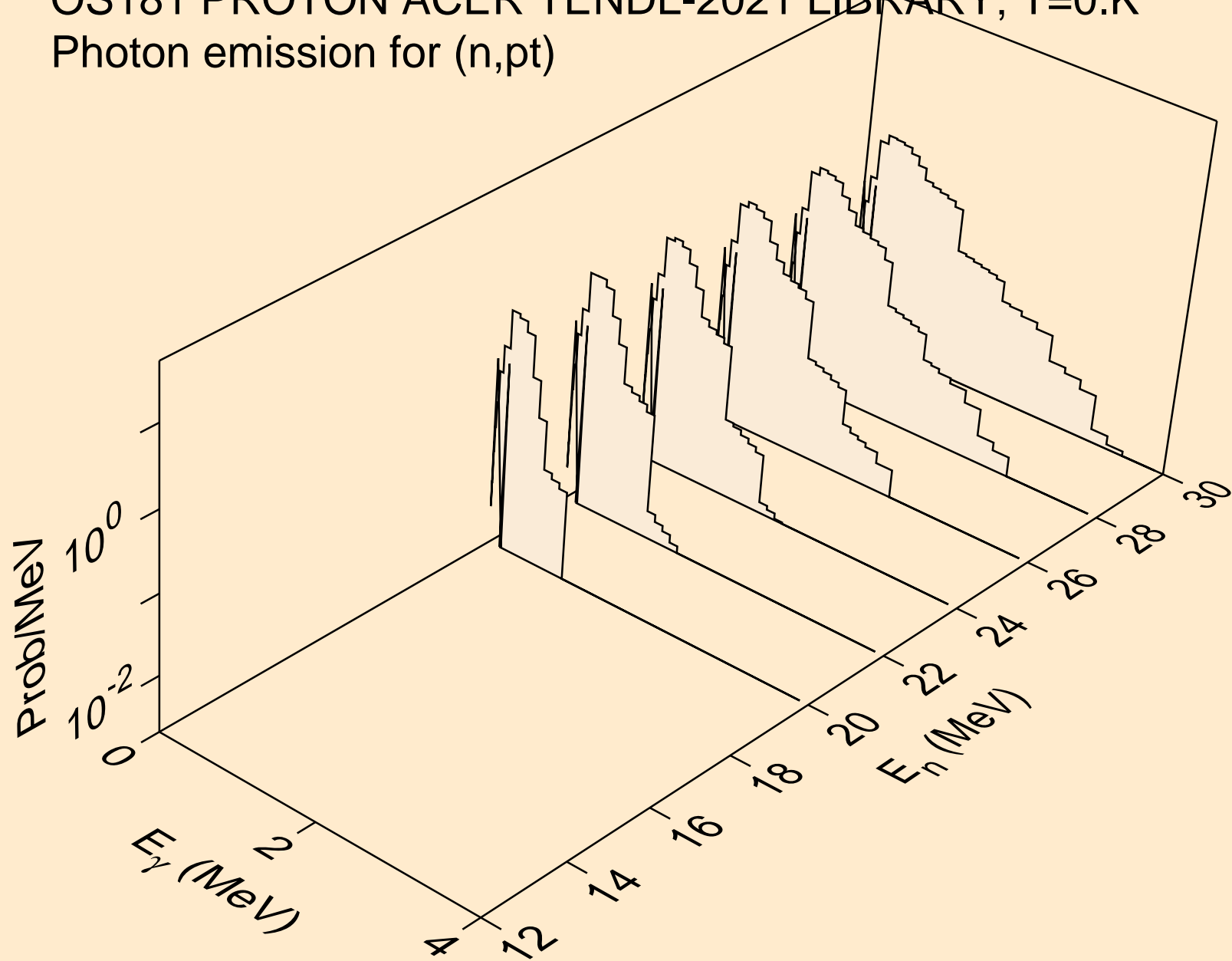
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pa)



OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)

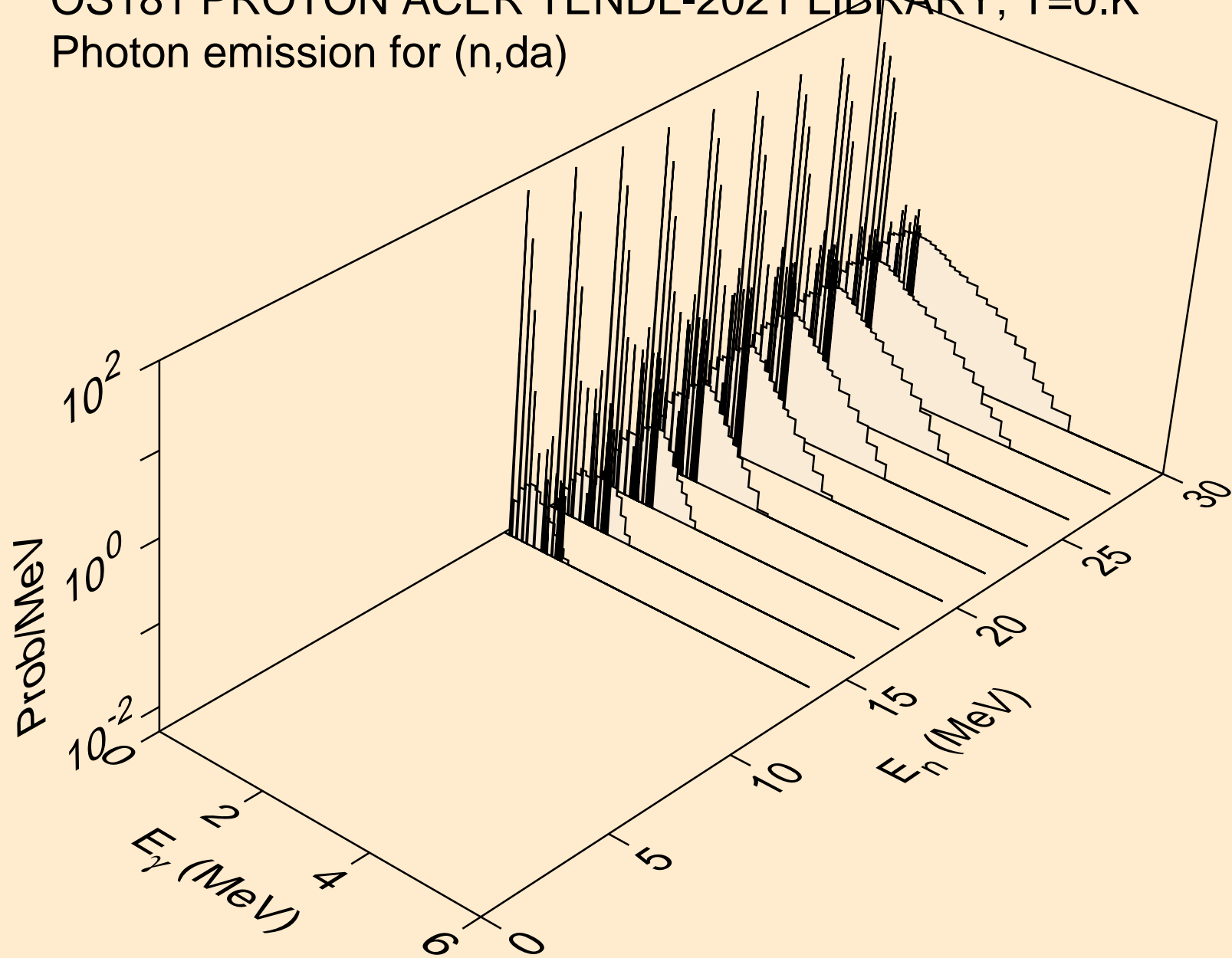


OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)



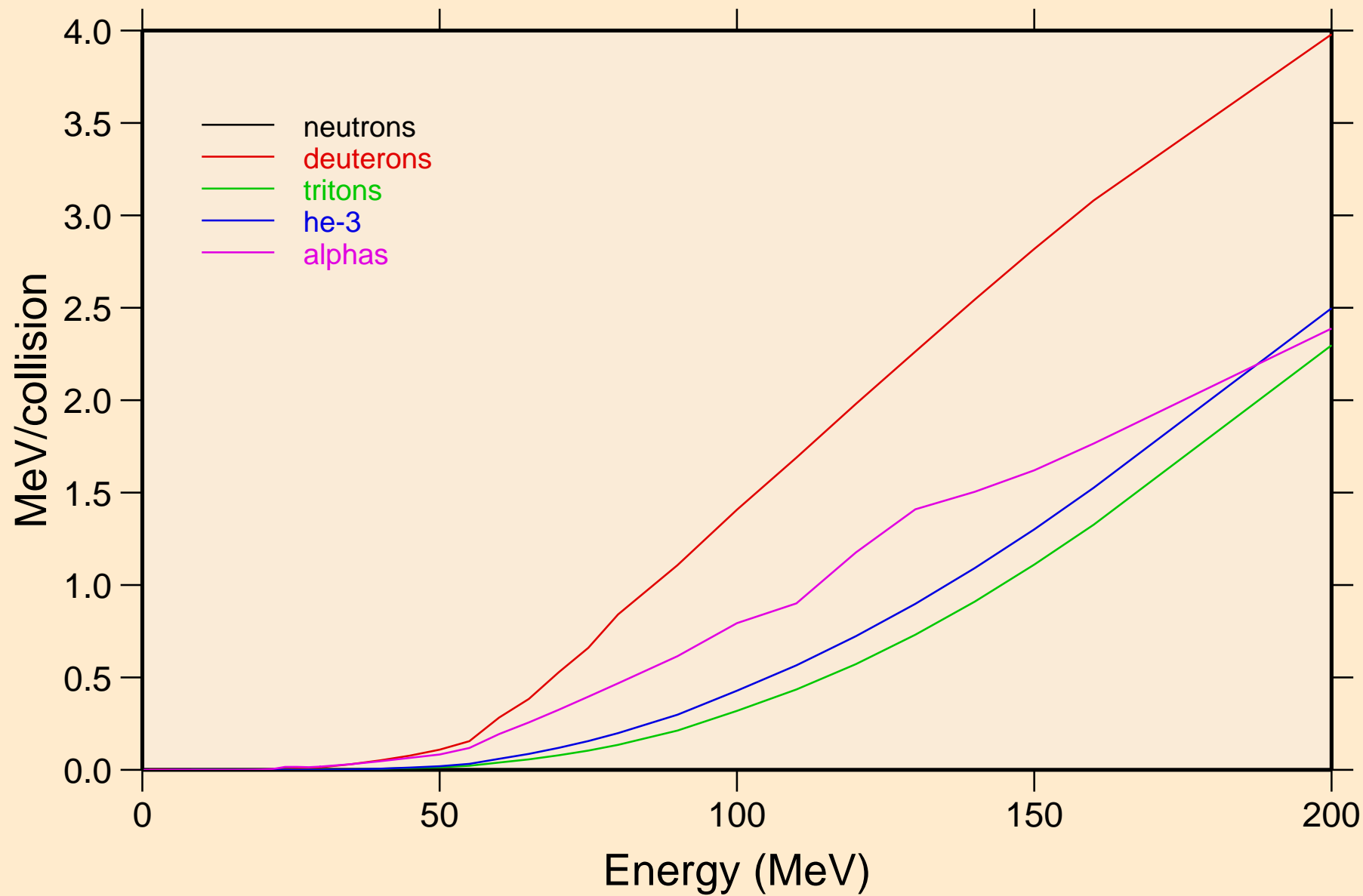


OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,da)

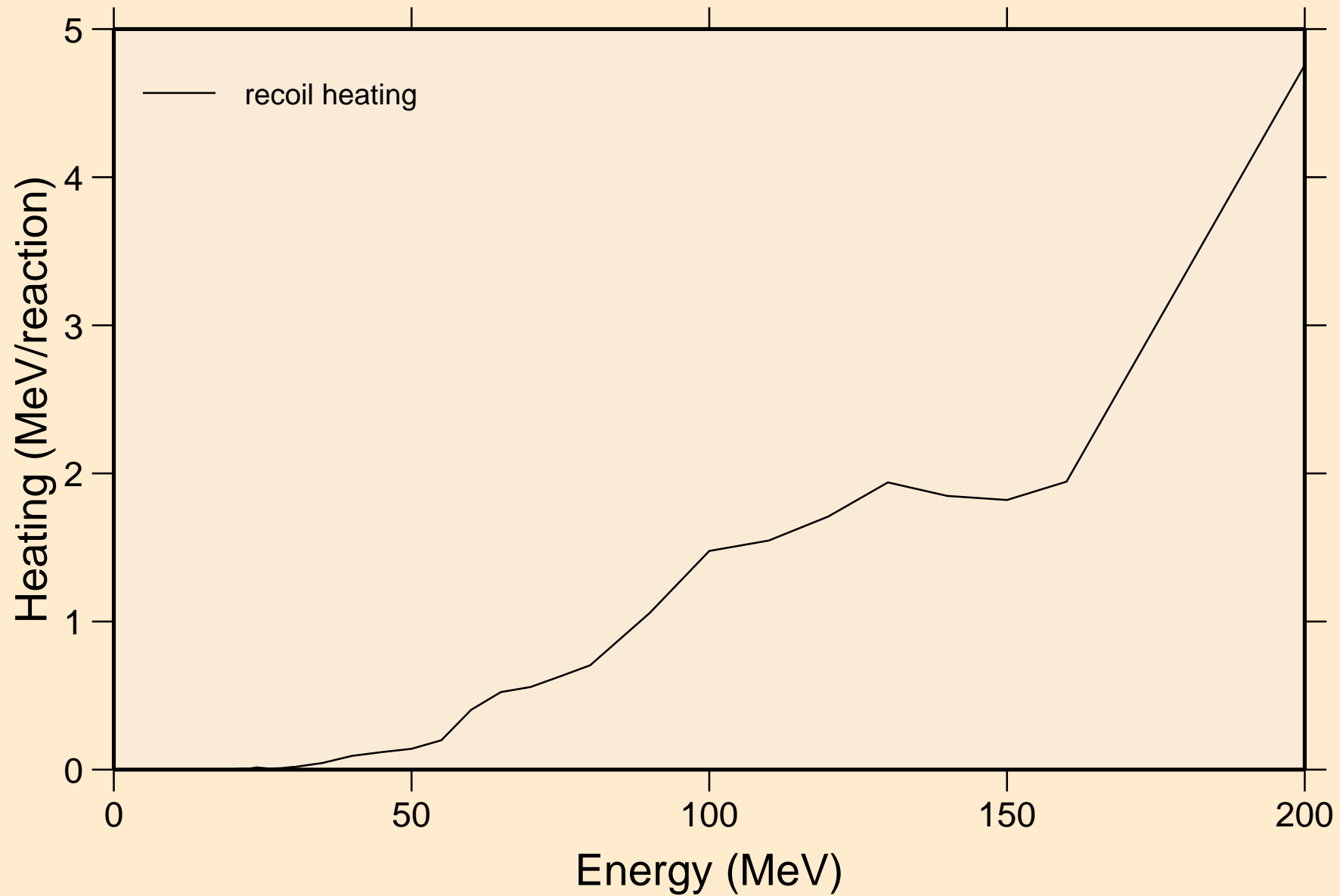


# OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K

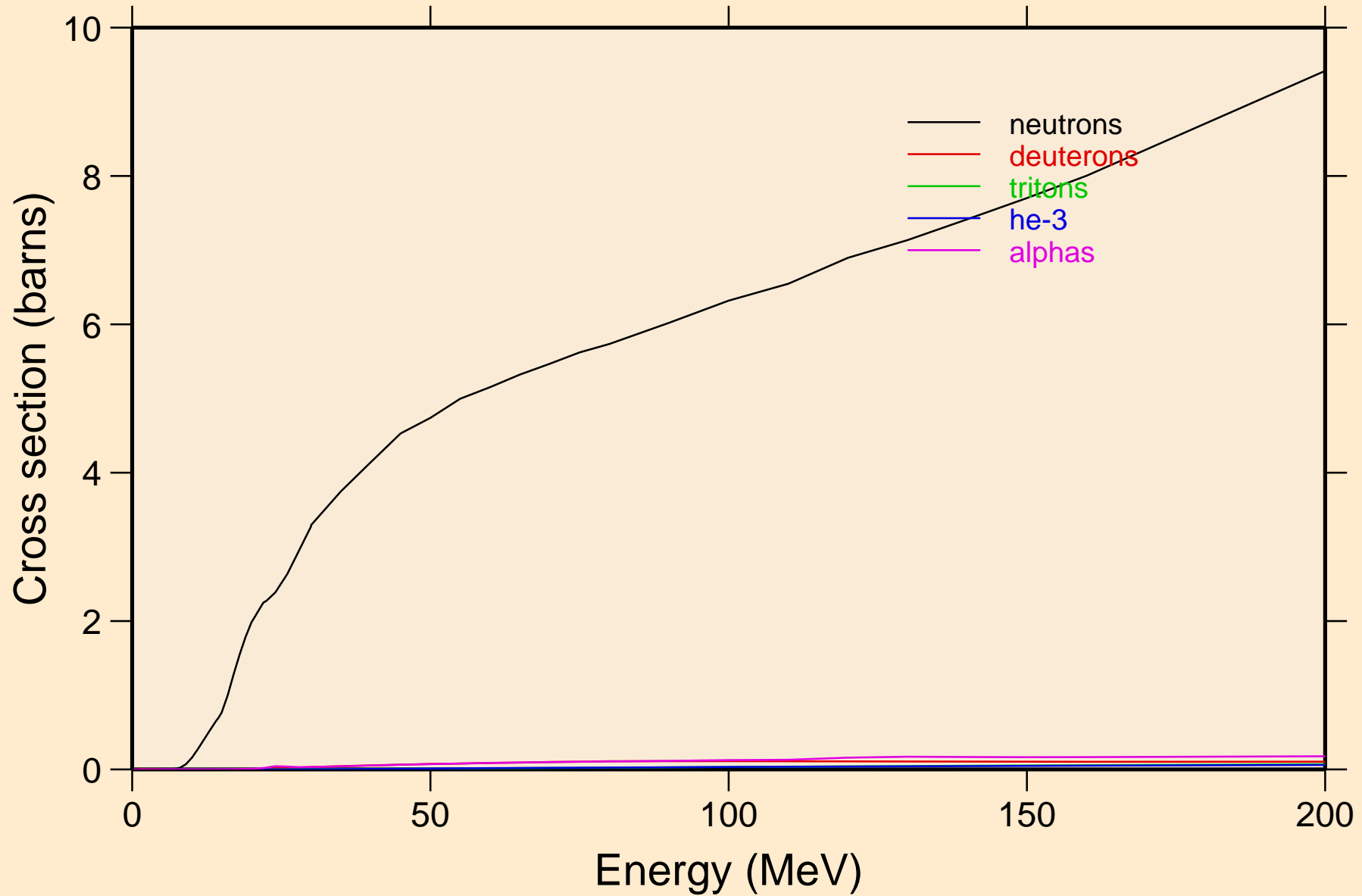
## Particle heating contributions



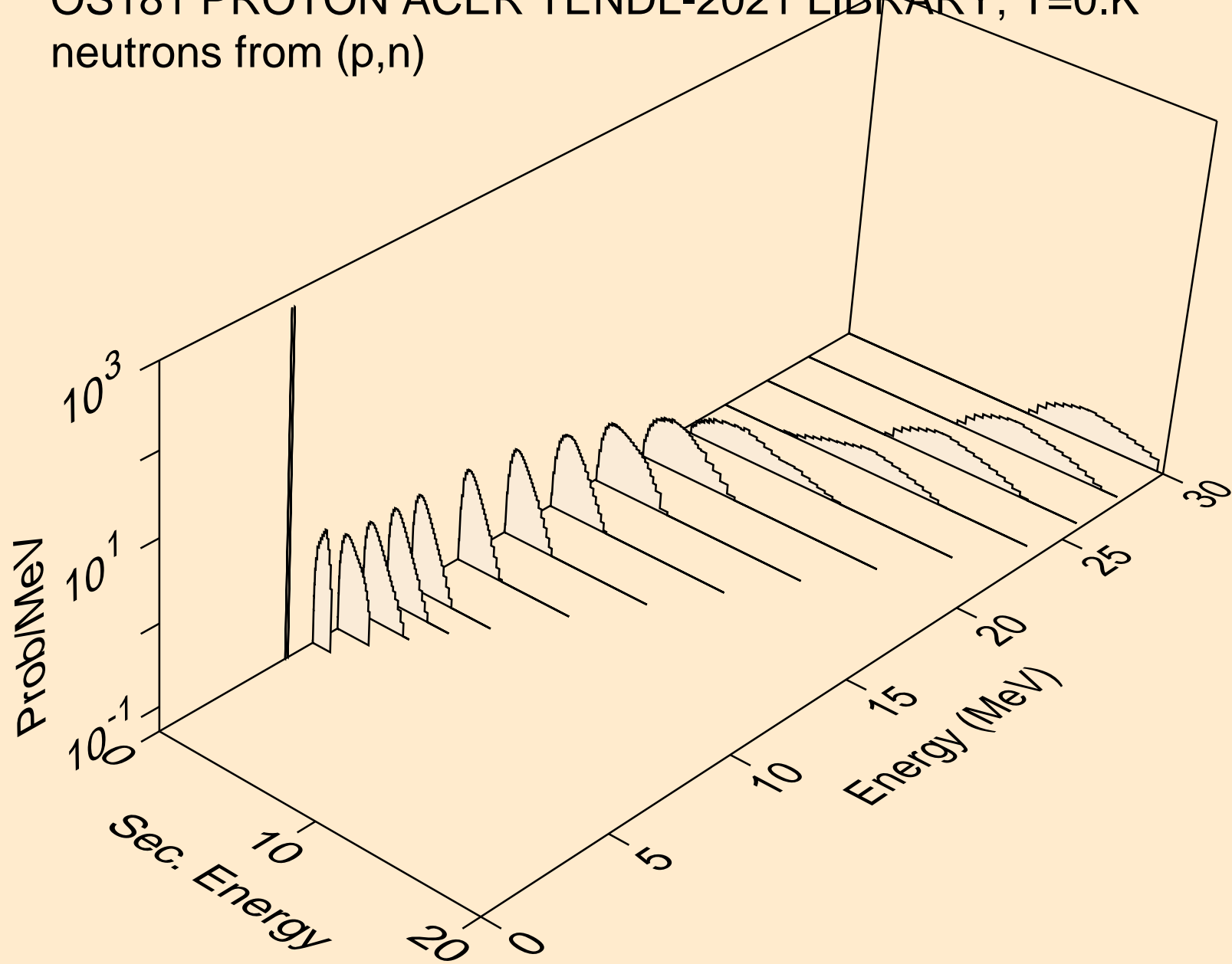
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Recoil Heating



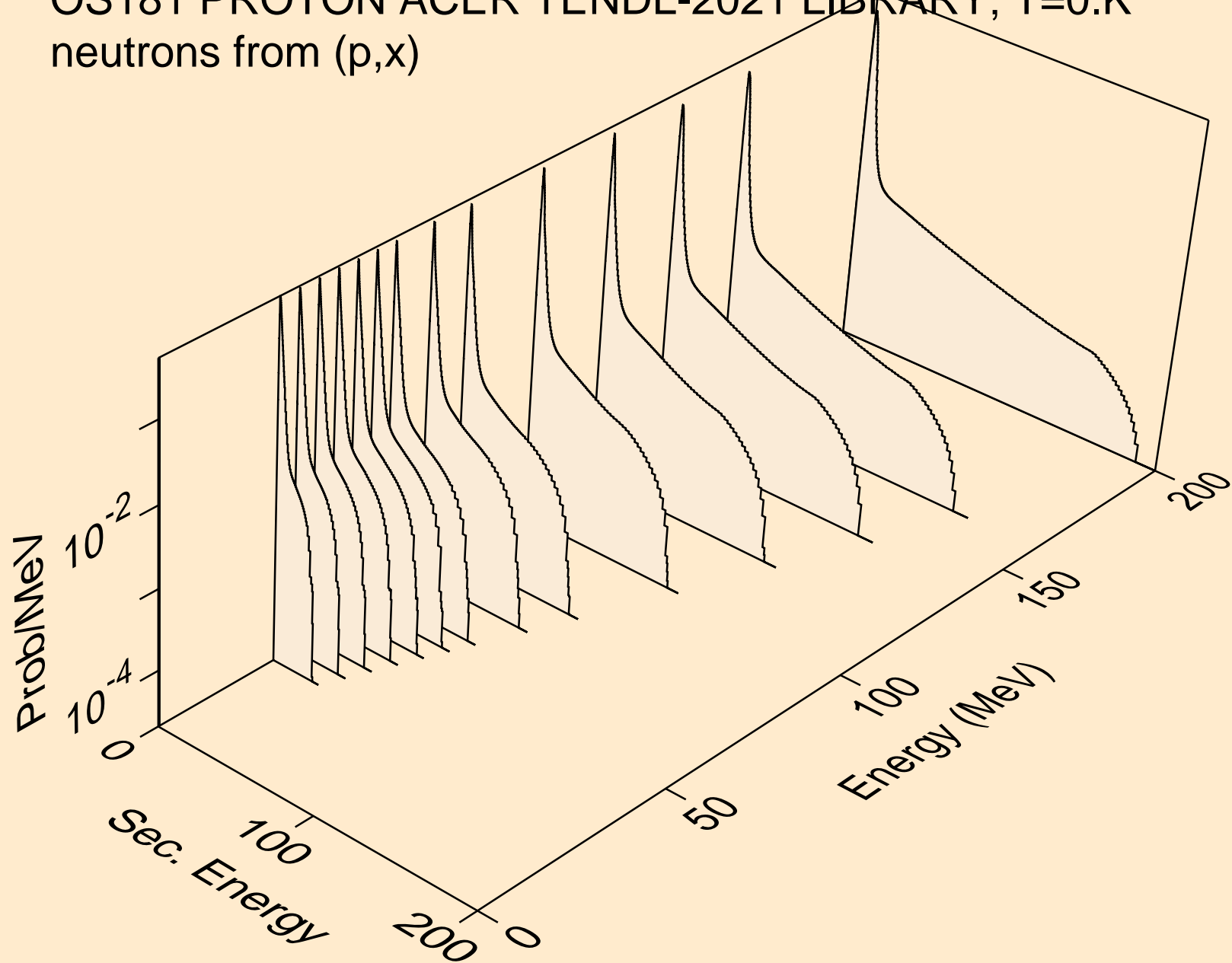
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections



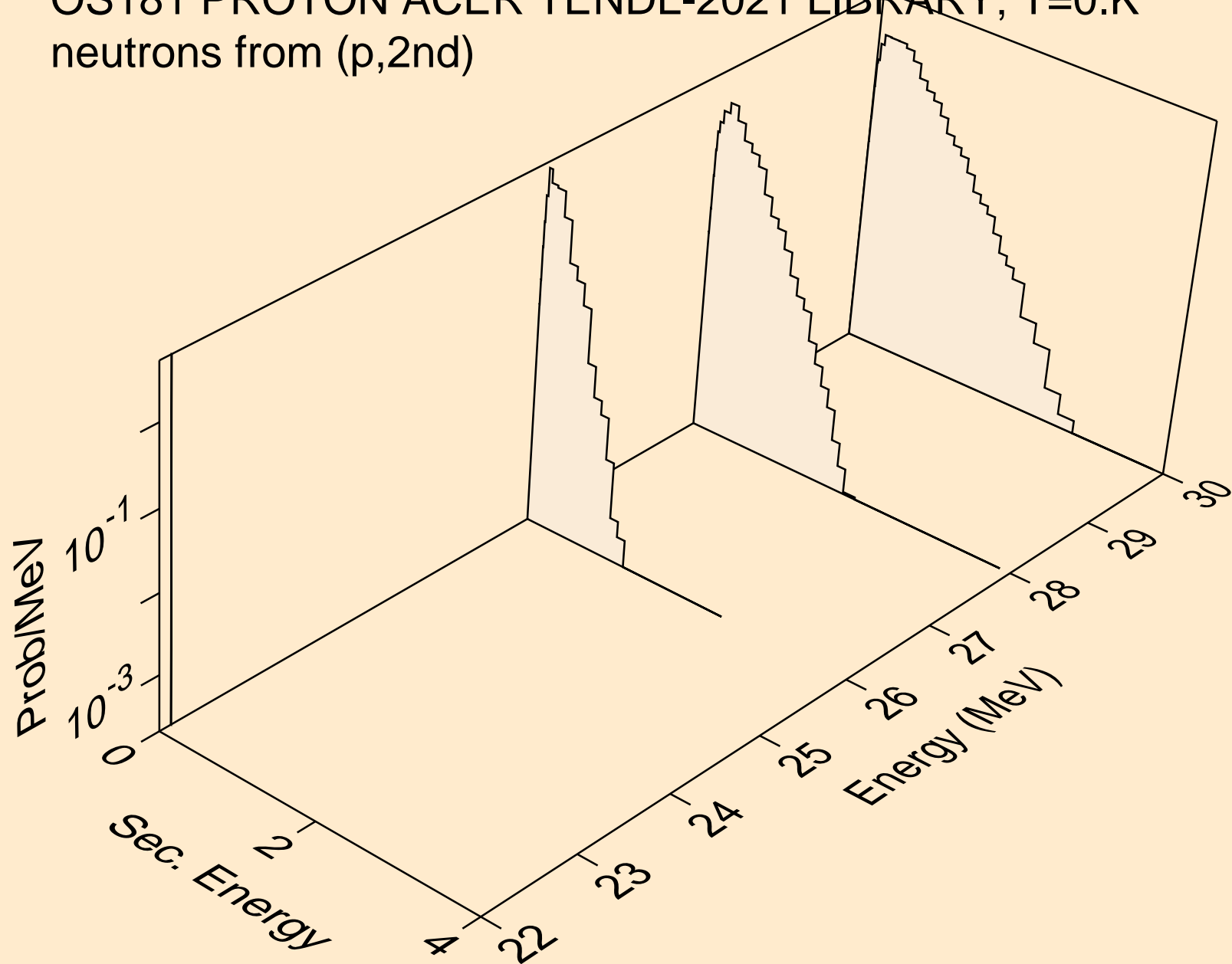
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n)



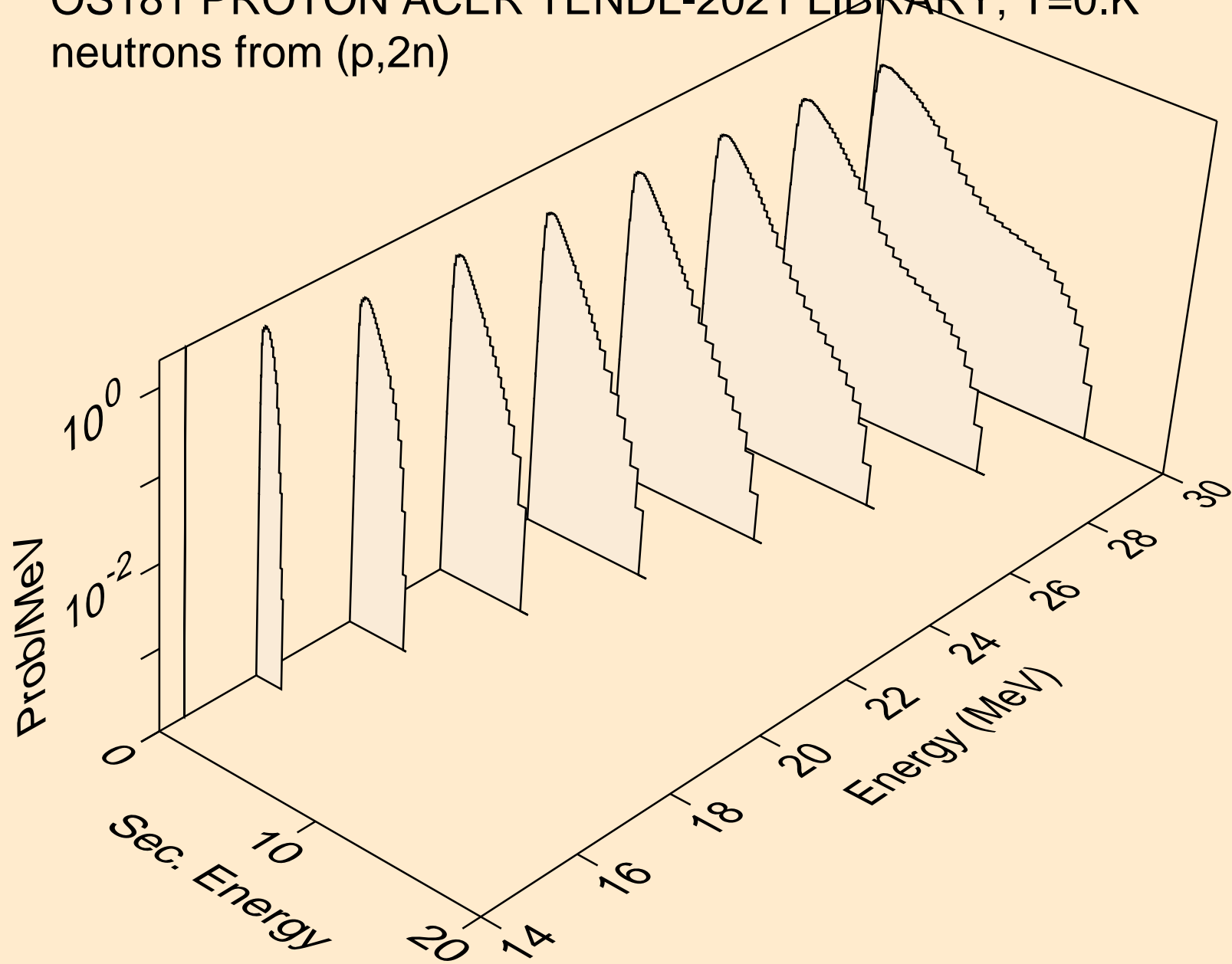
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,x)



OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2nd)

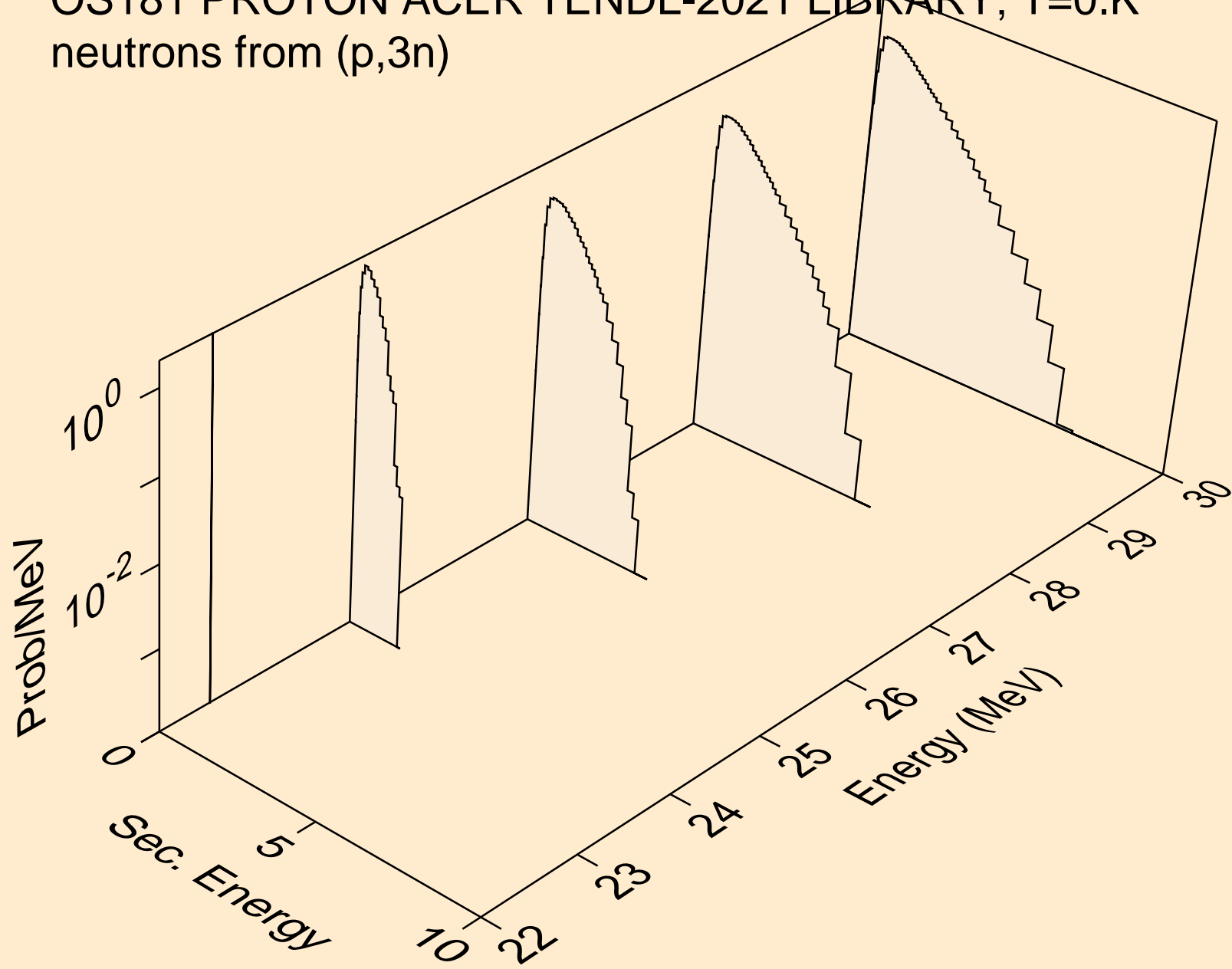


OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2n)

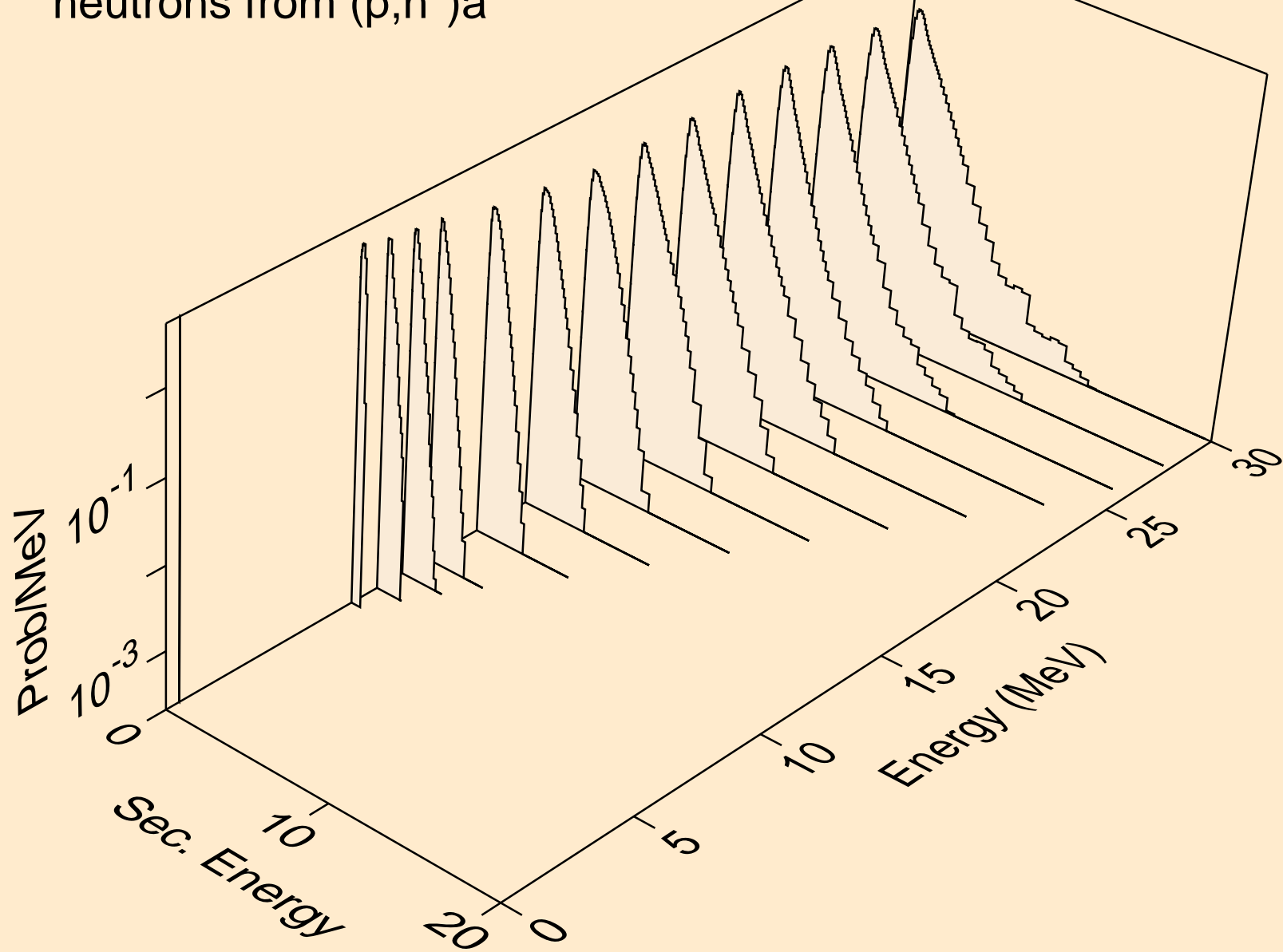




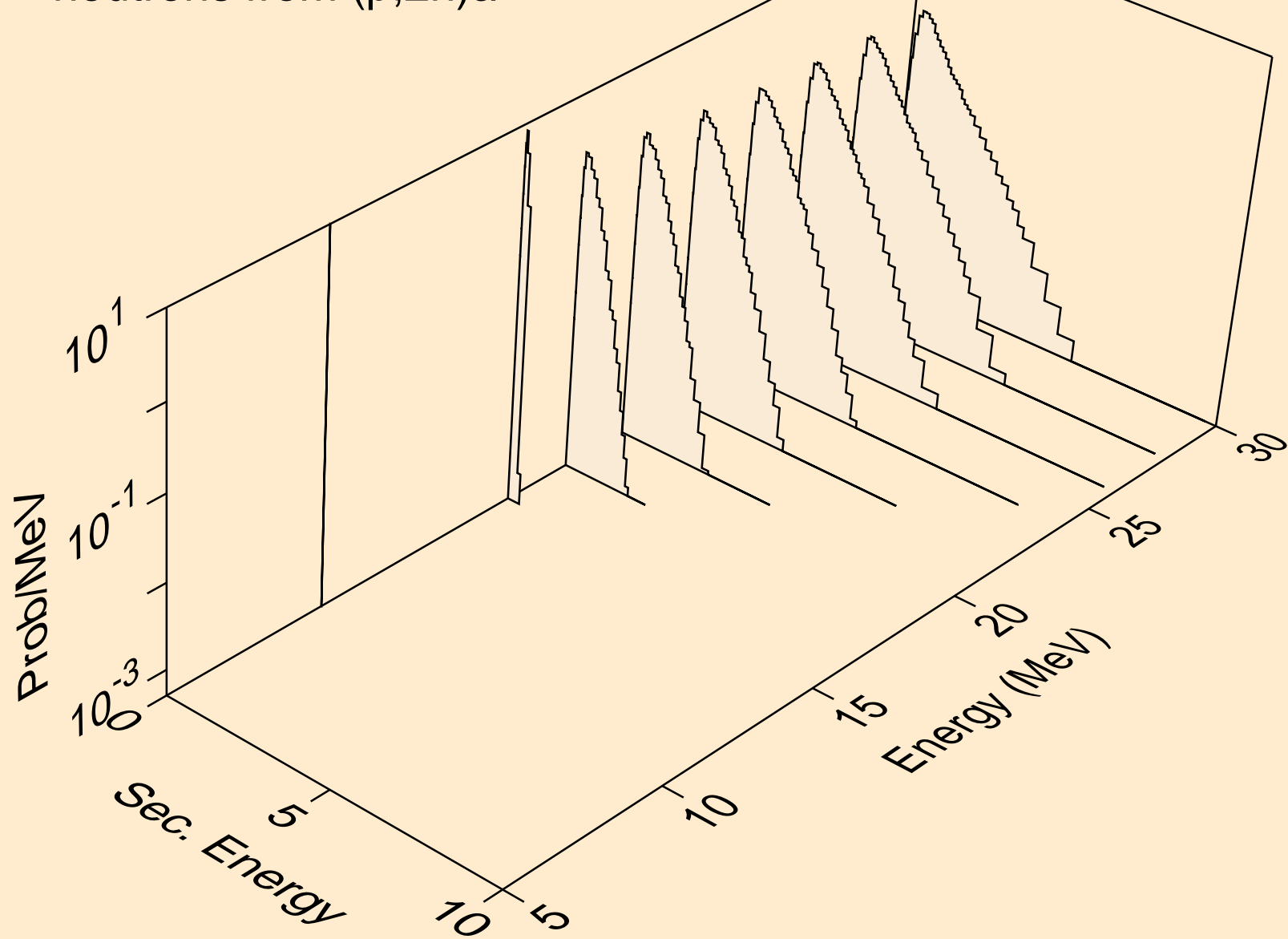
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3n)



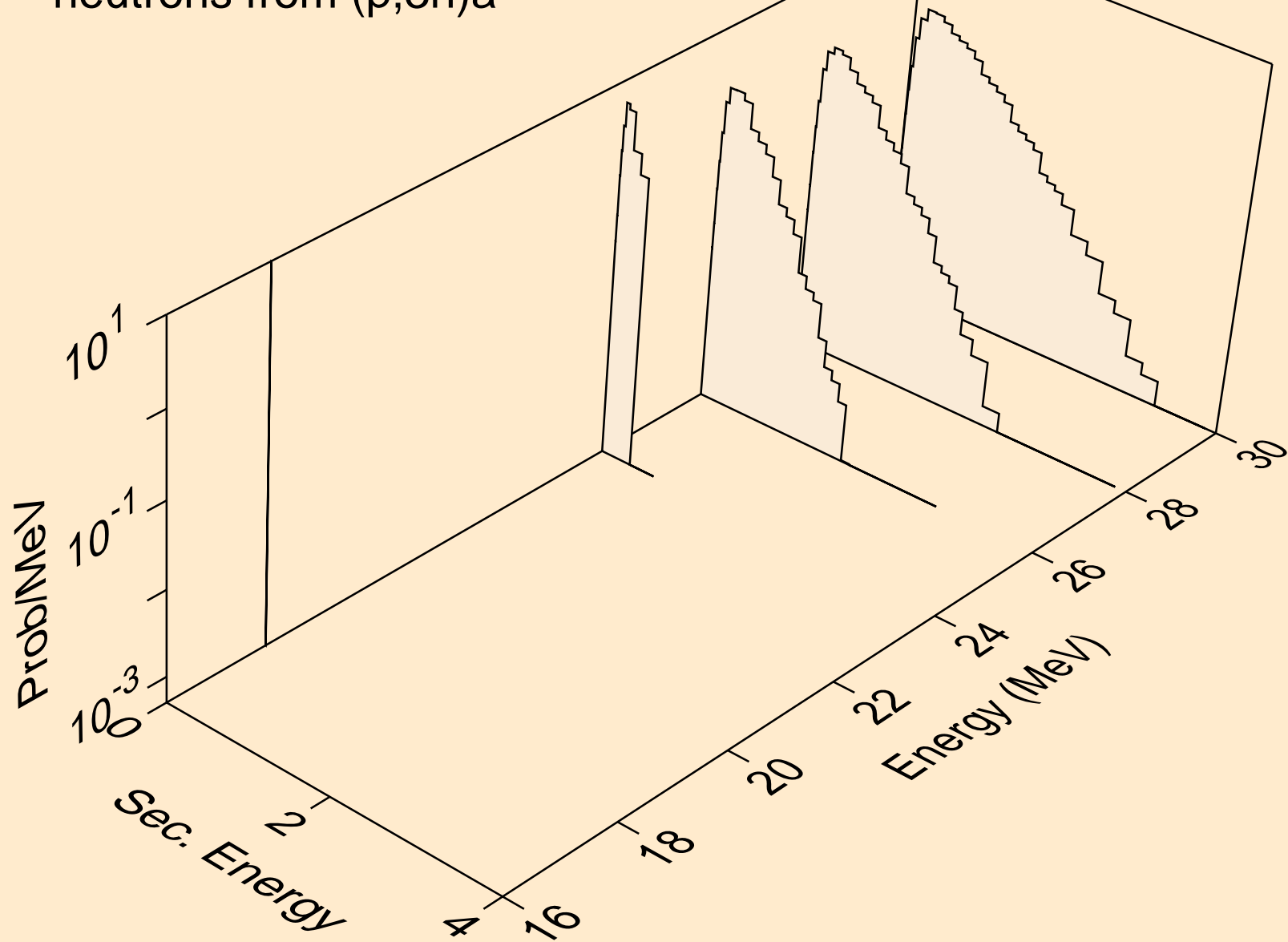
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)a



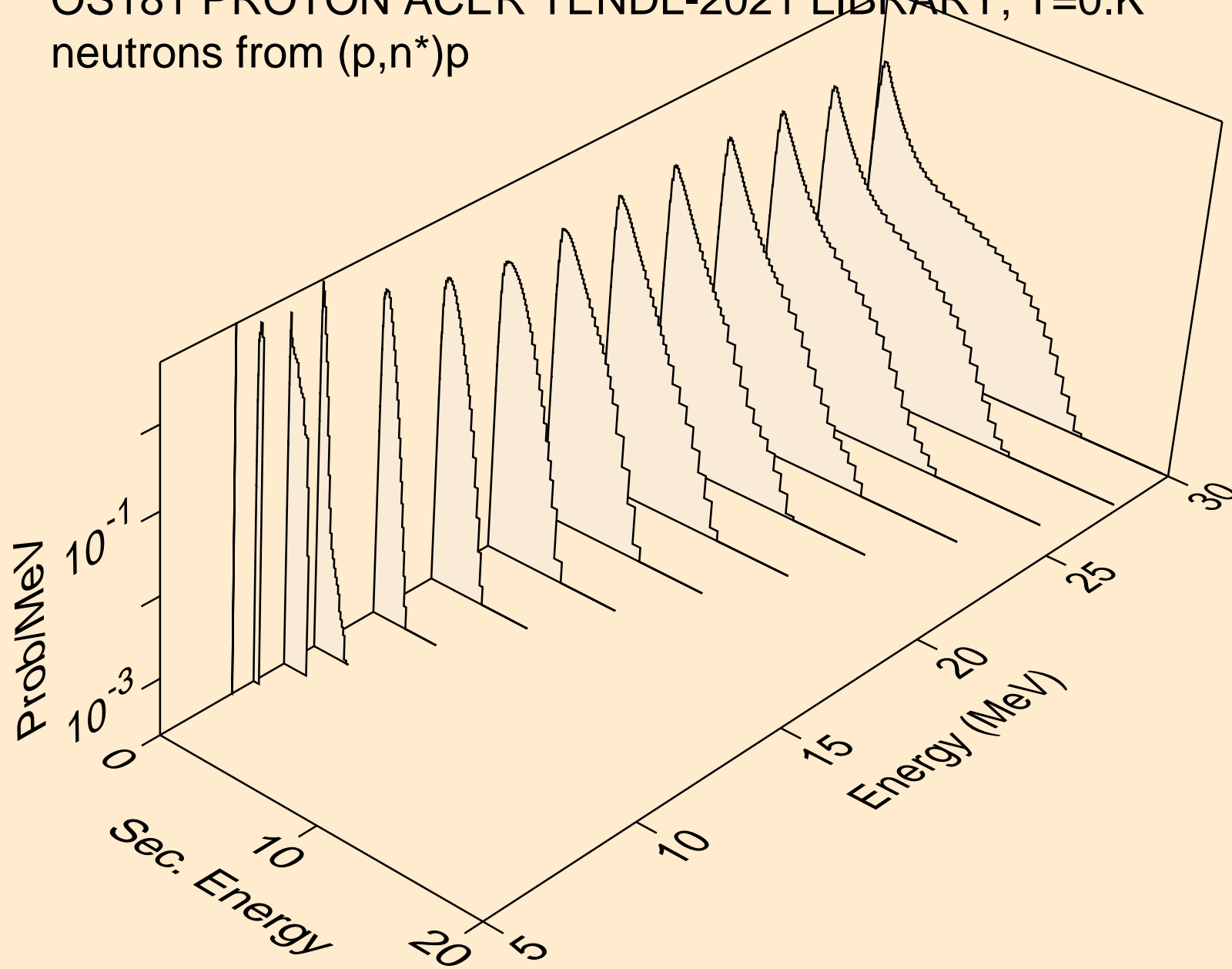
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2n)a



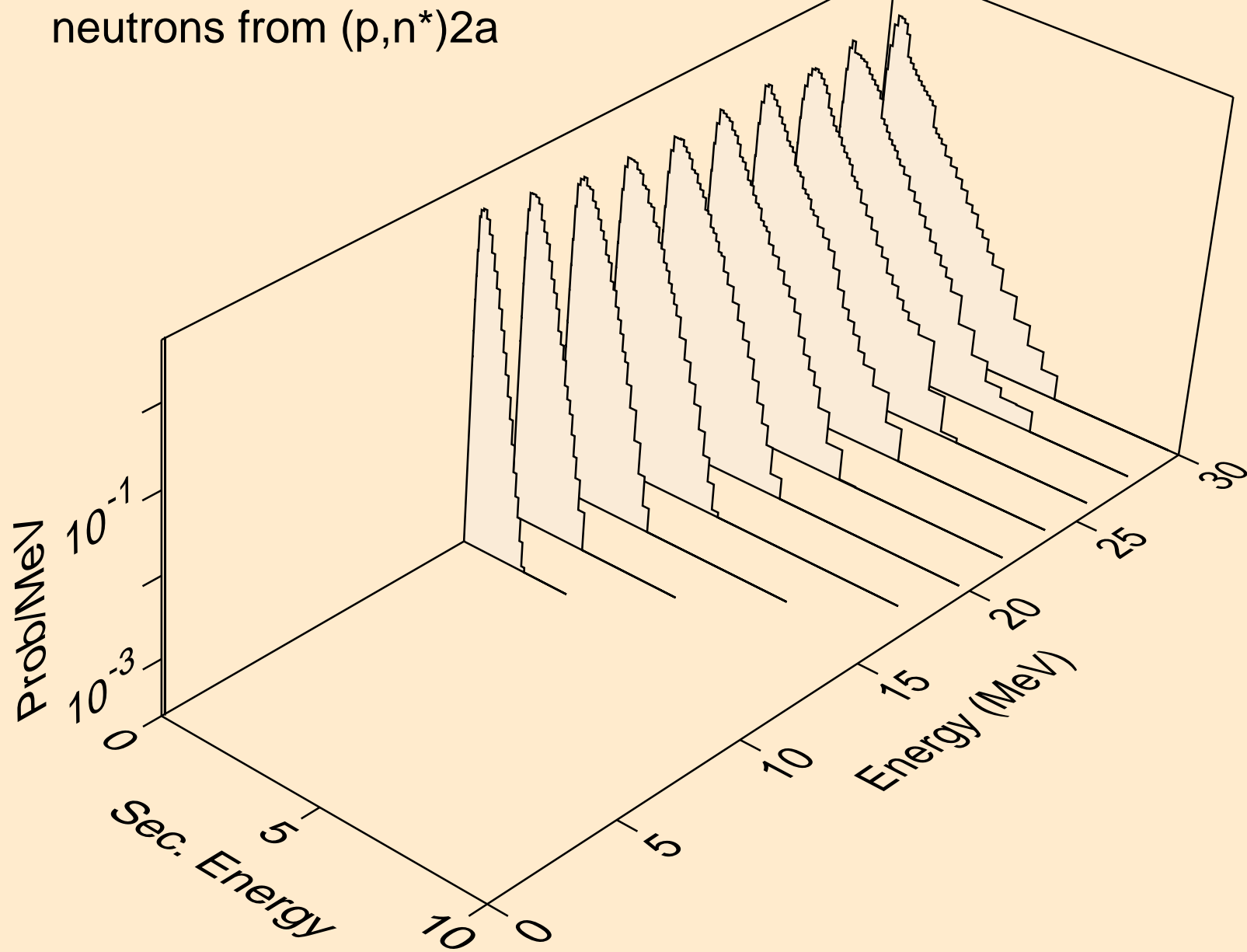
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3n)a



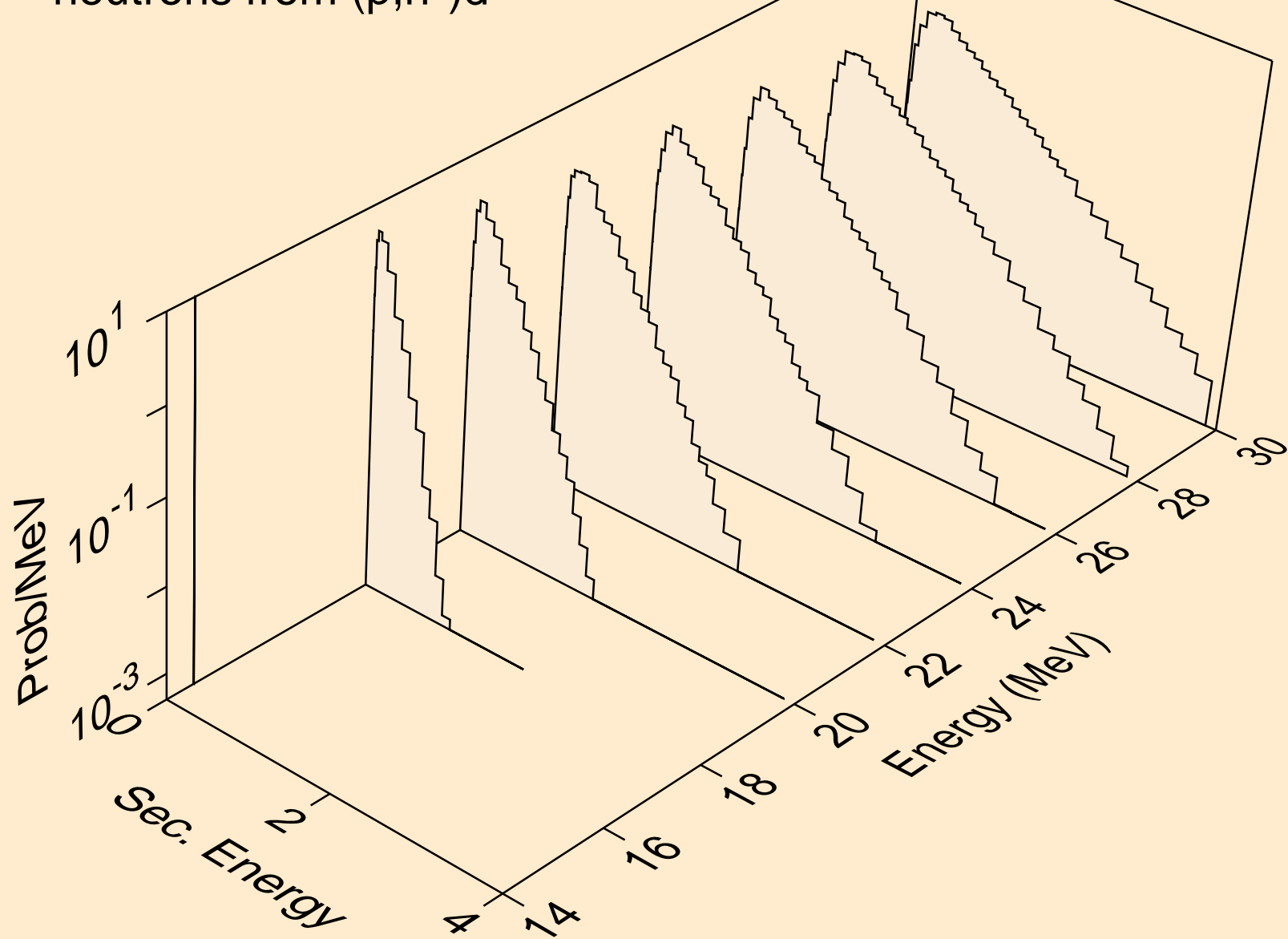
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)p



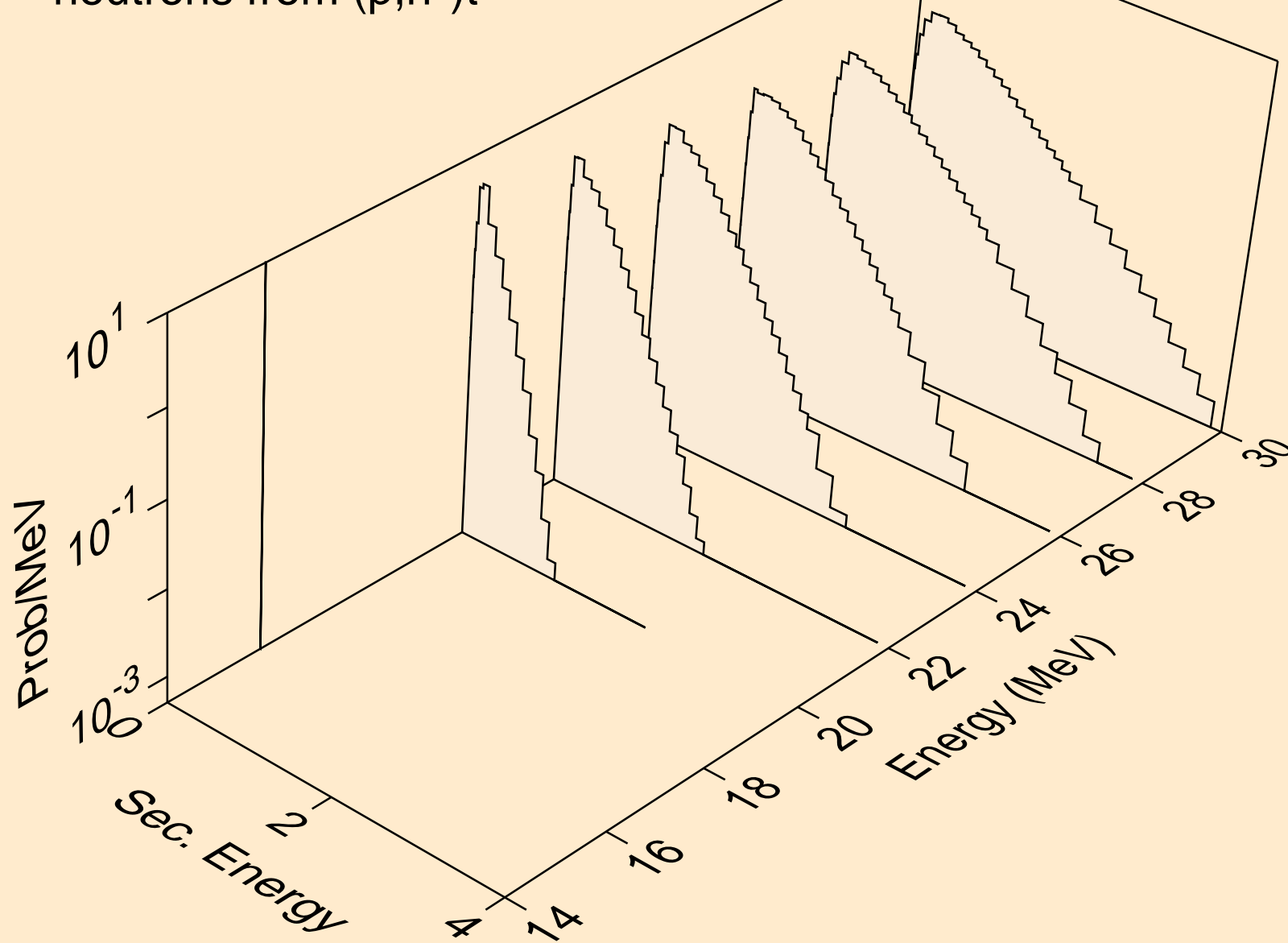
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)2a



OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)d

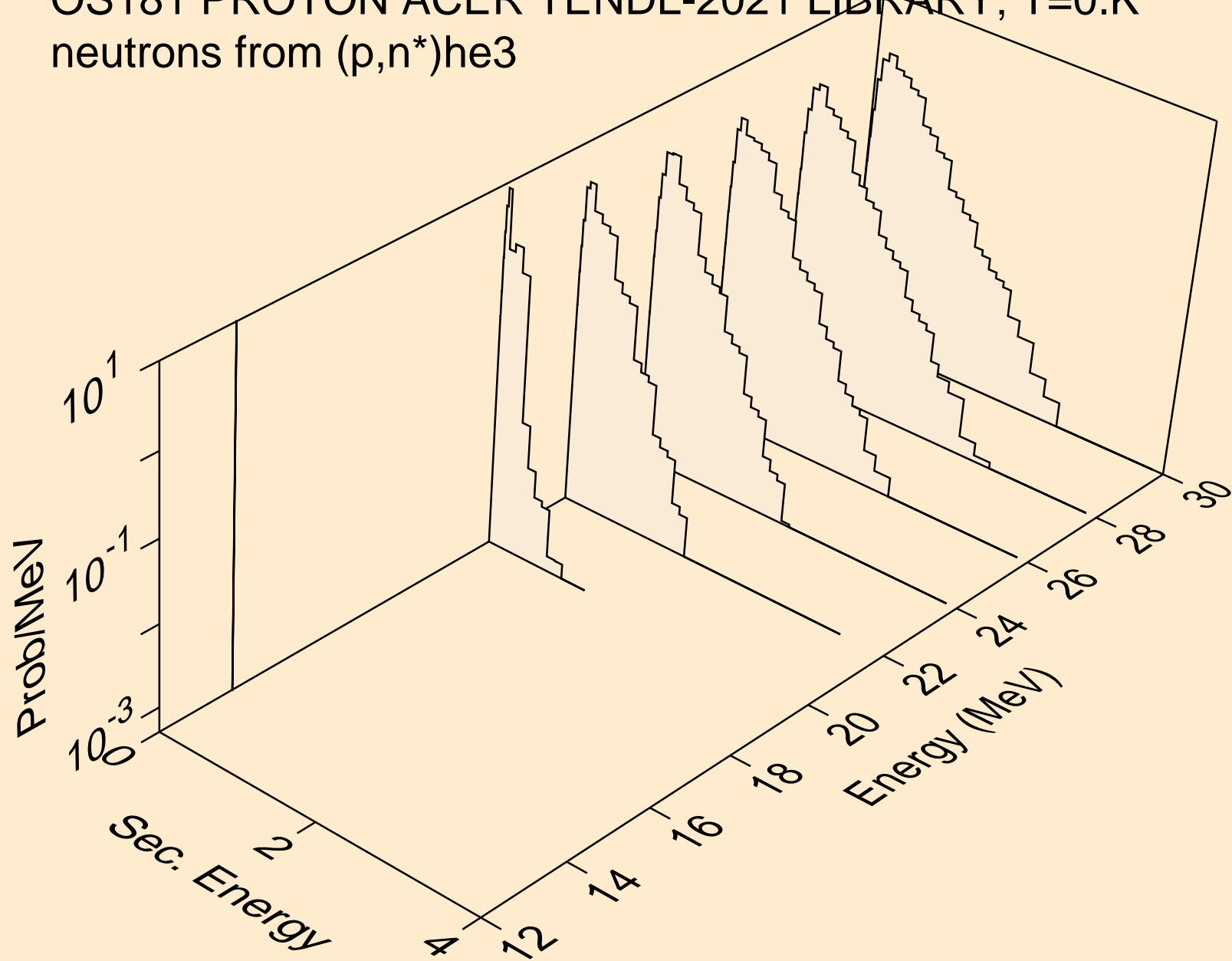


OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)t

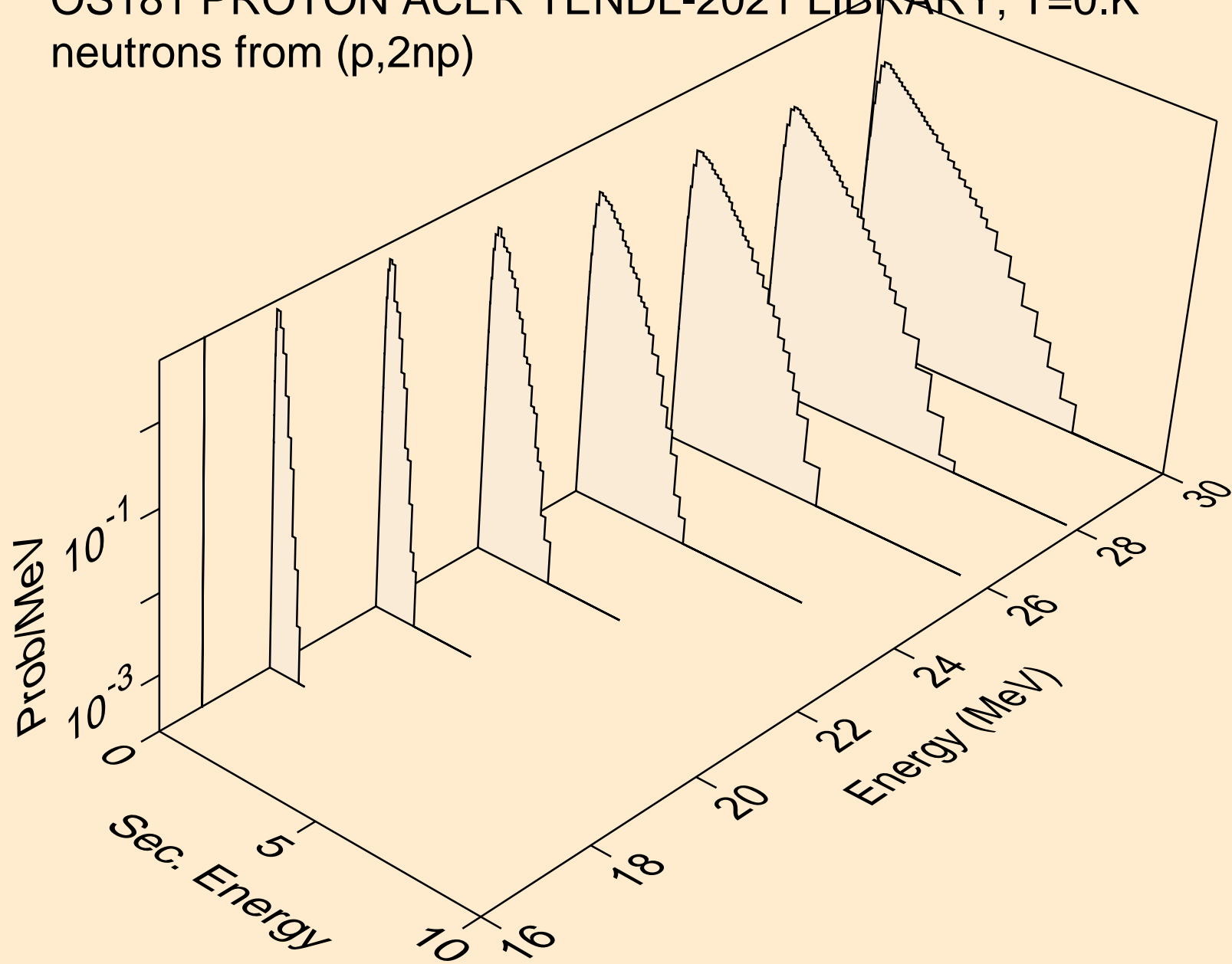




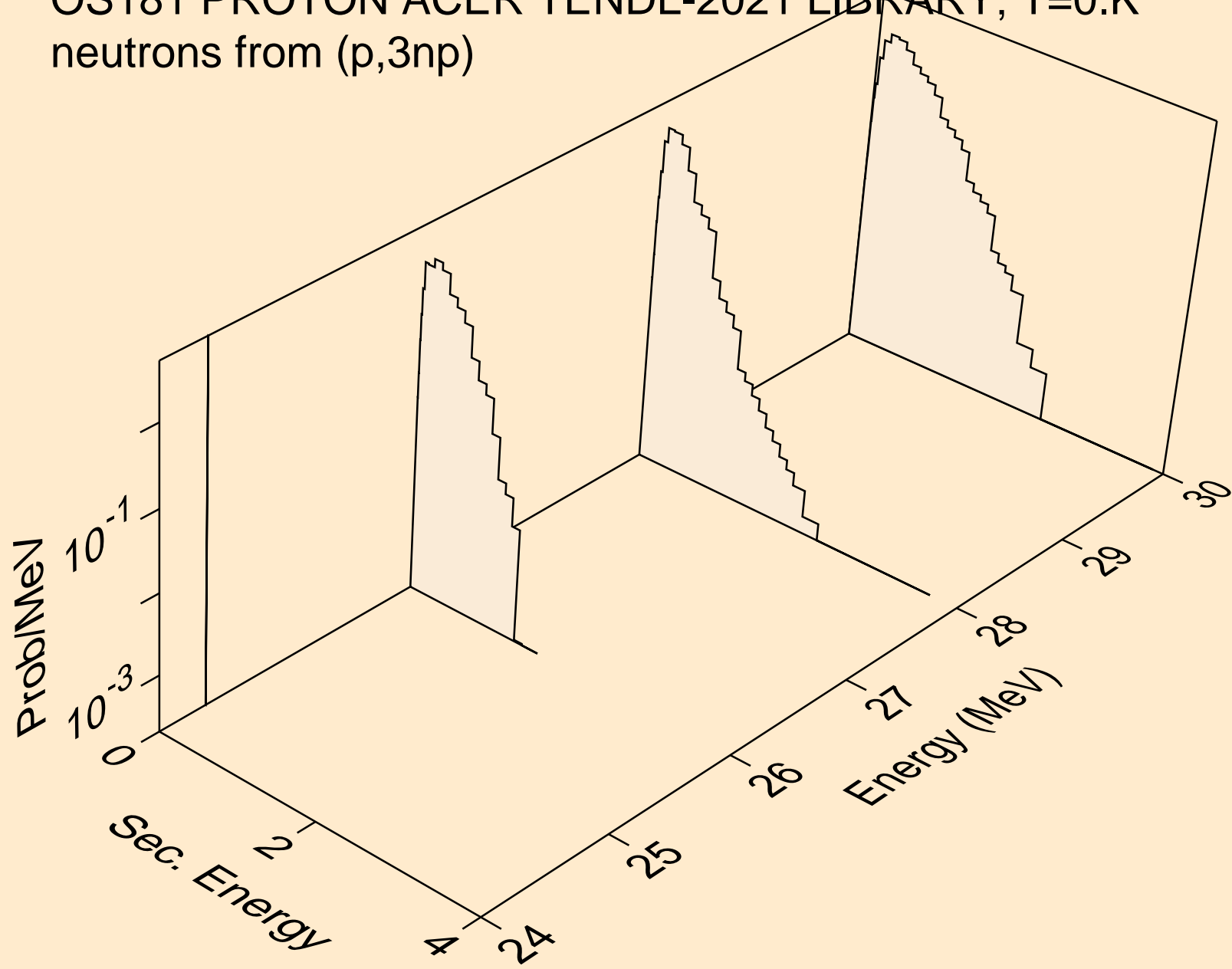
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



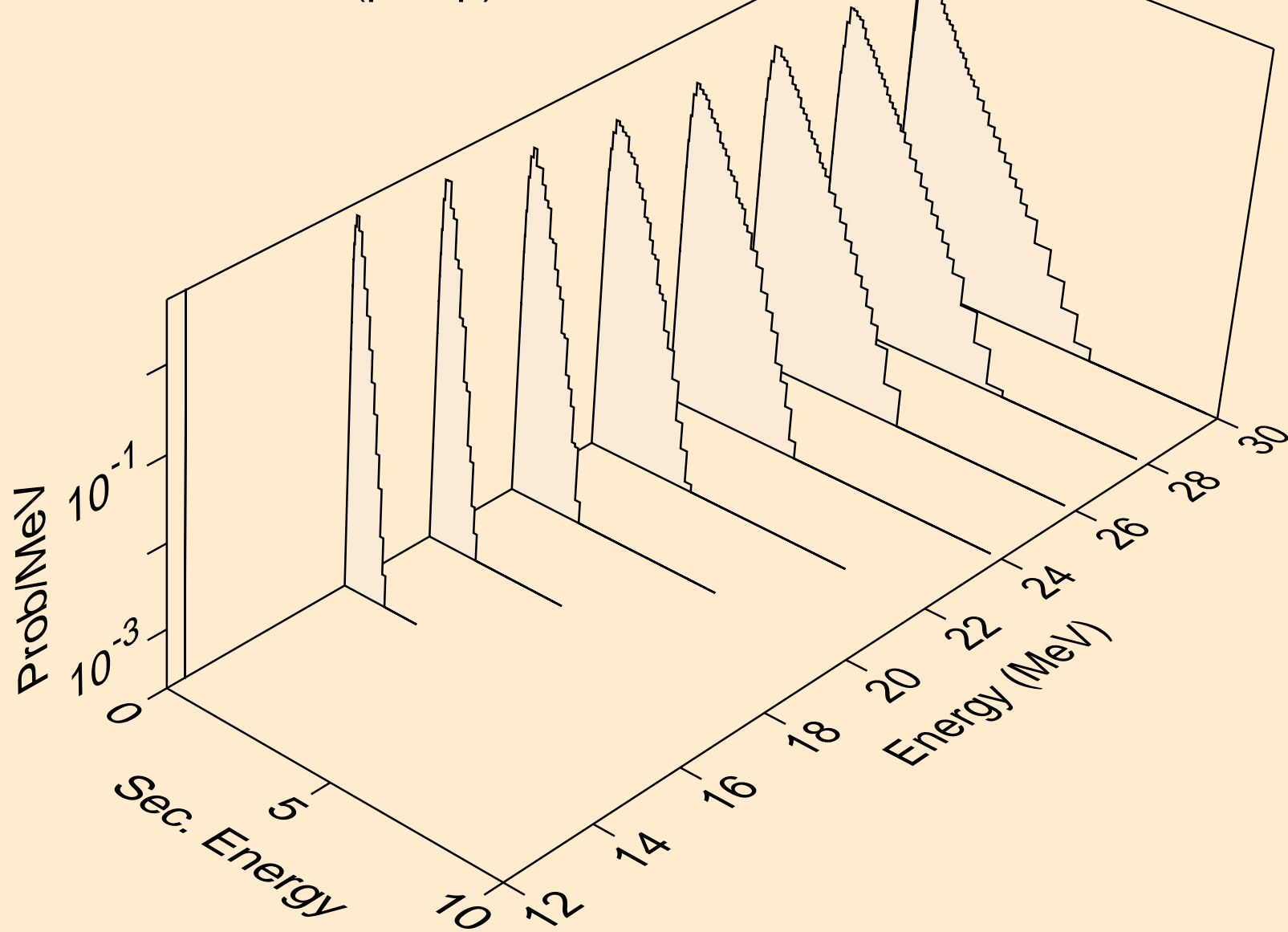
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)



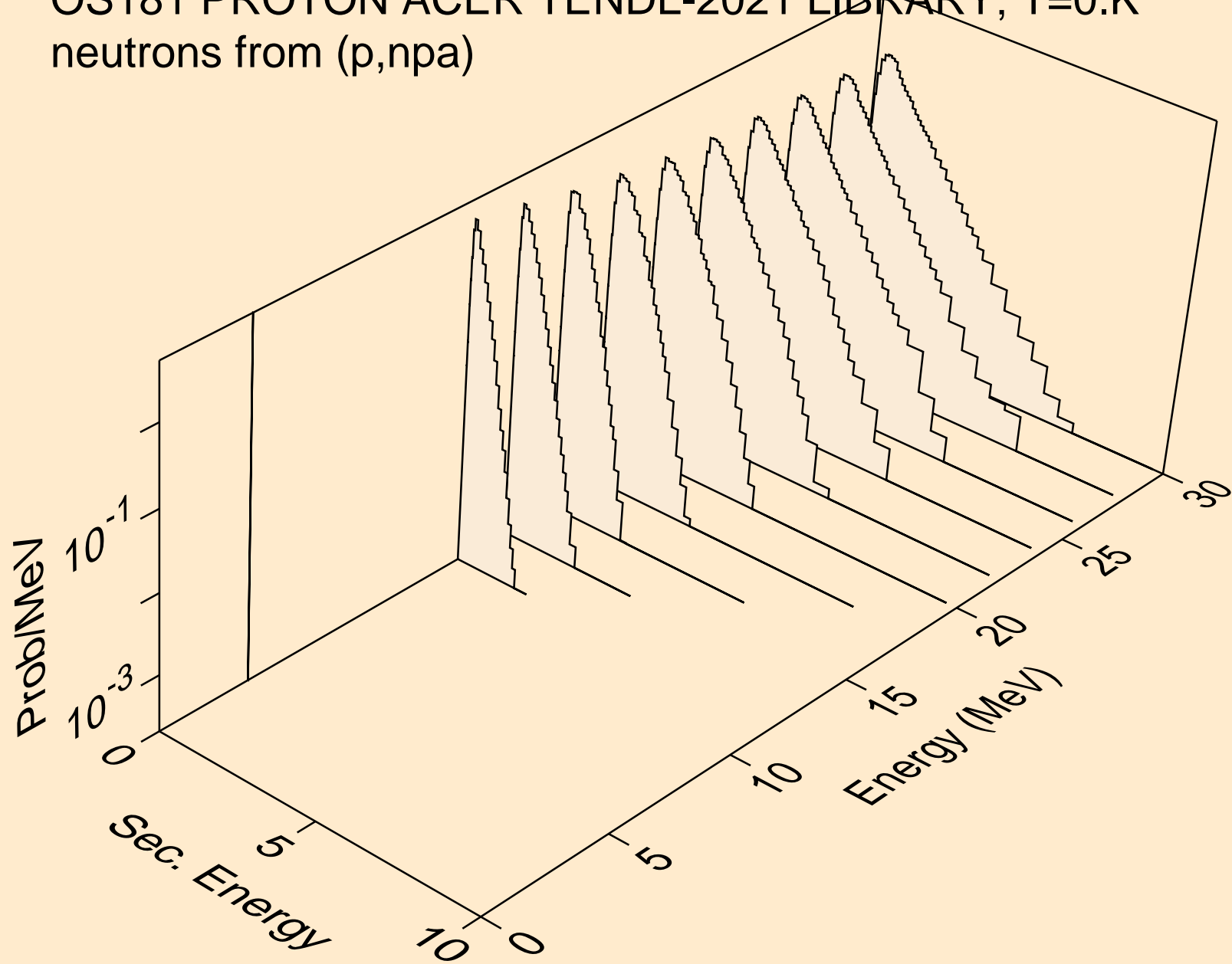
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3np)



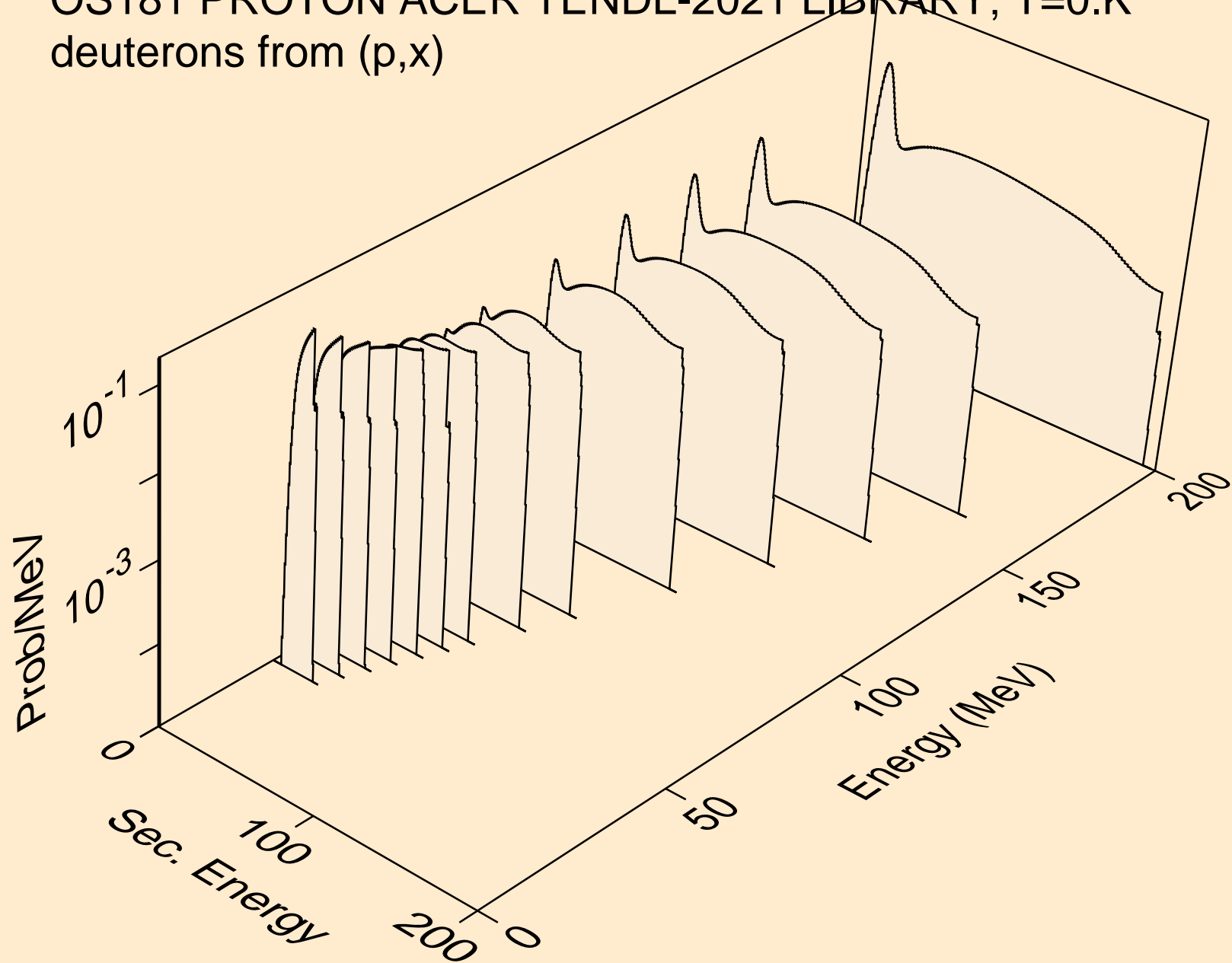
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)



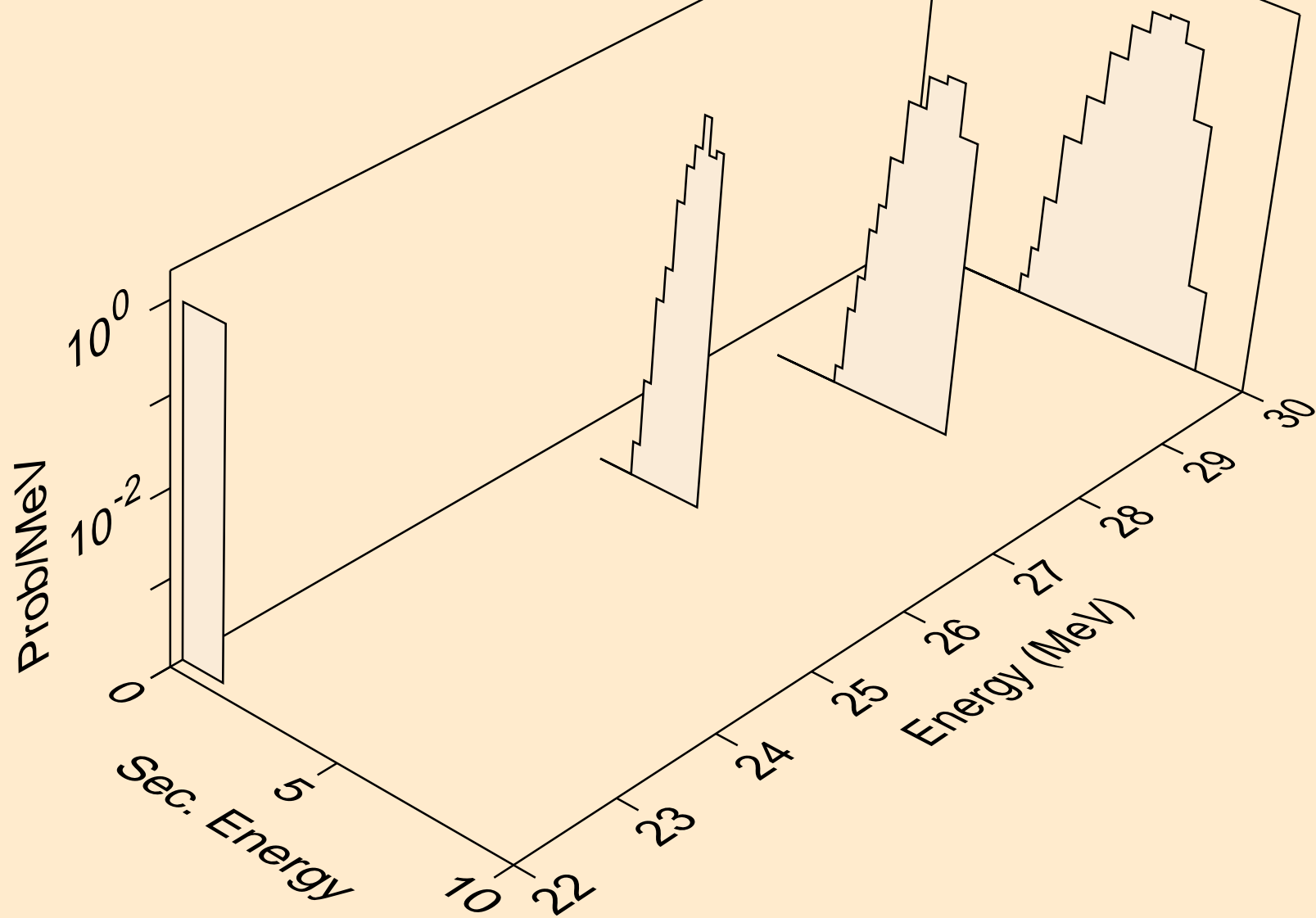
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,npa)



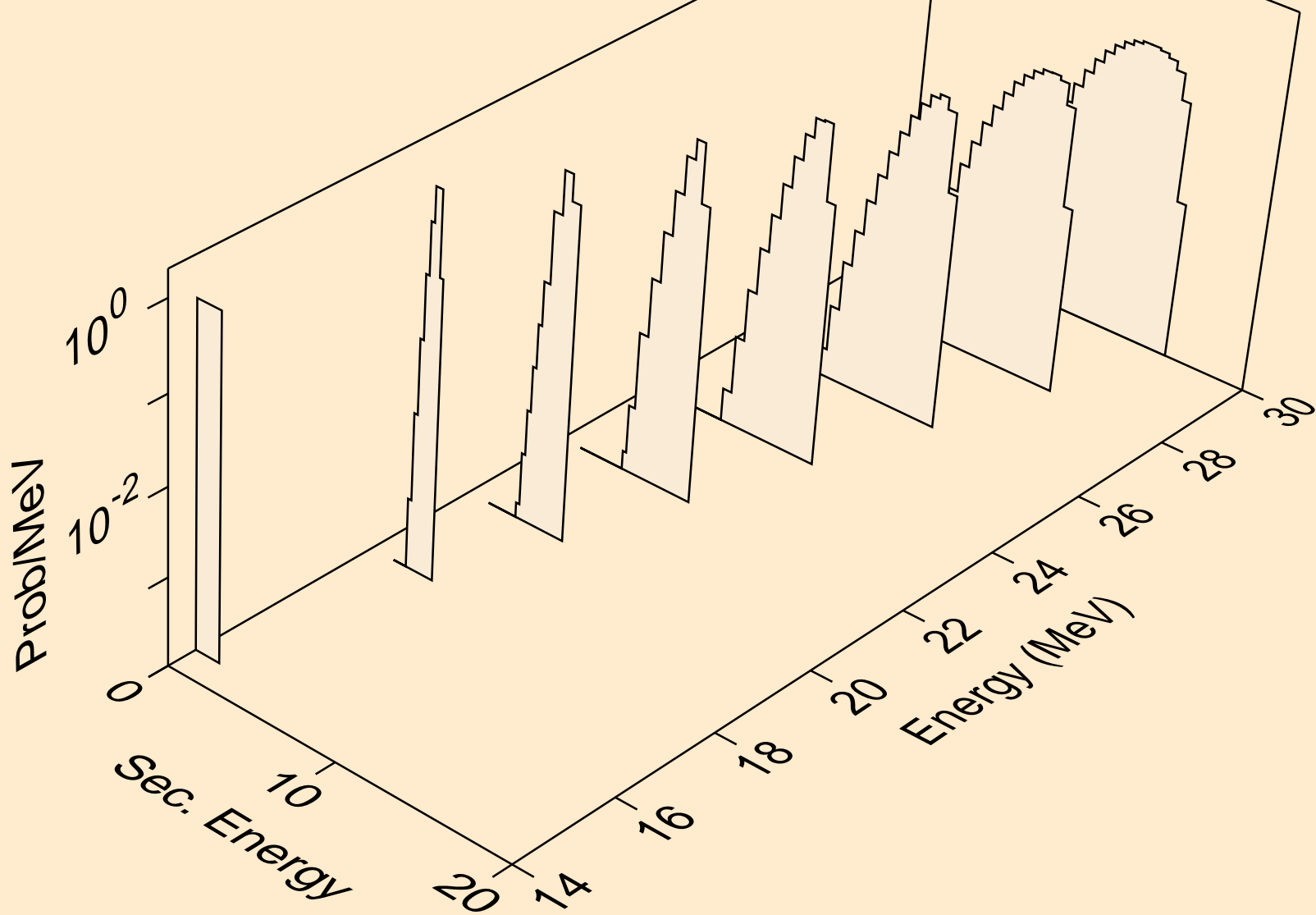
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,x)



OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,2nd)

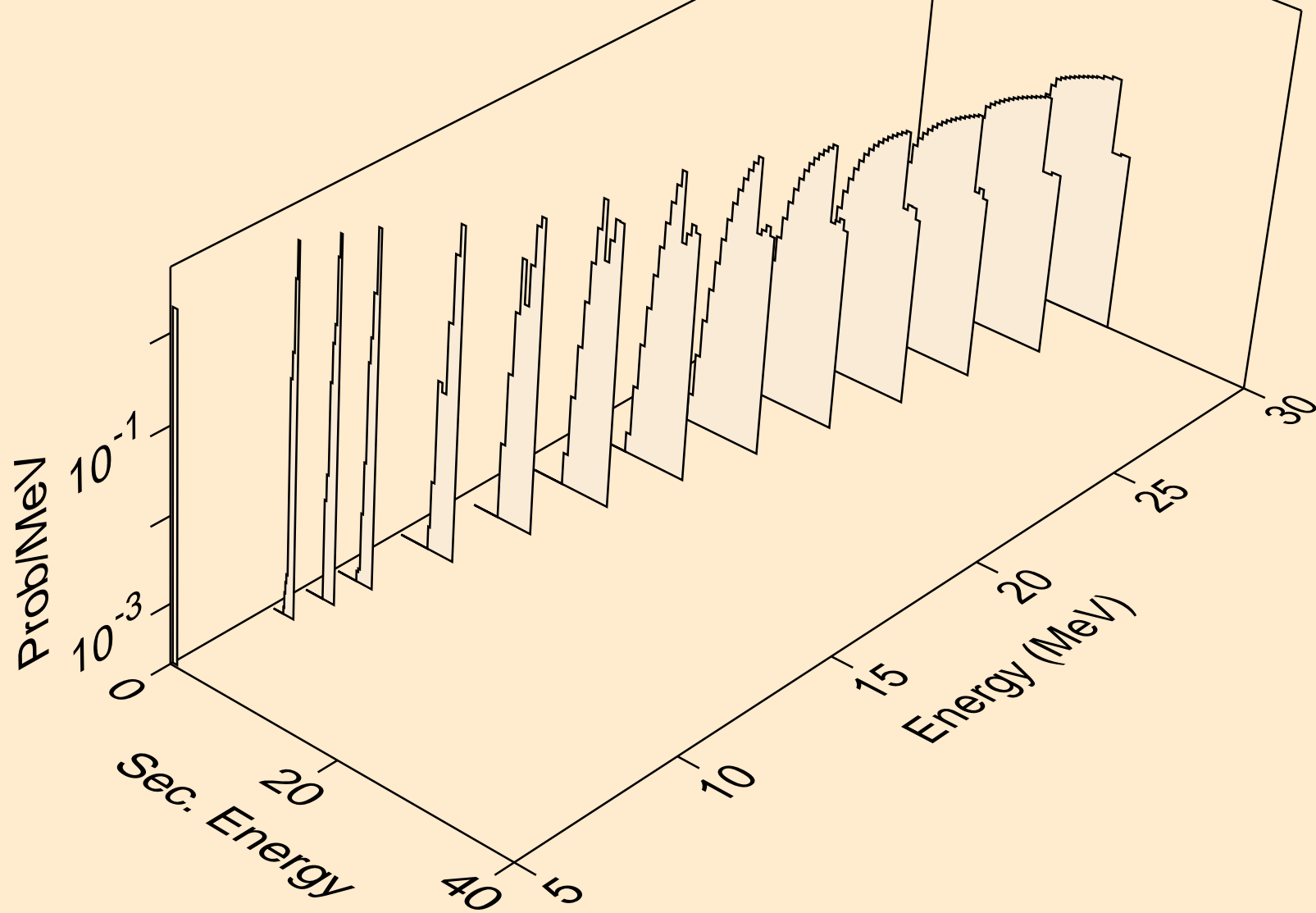


OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,n\*)d

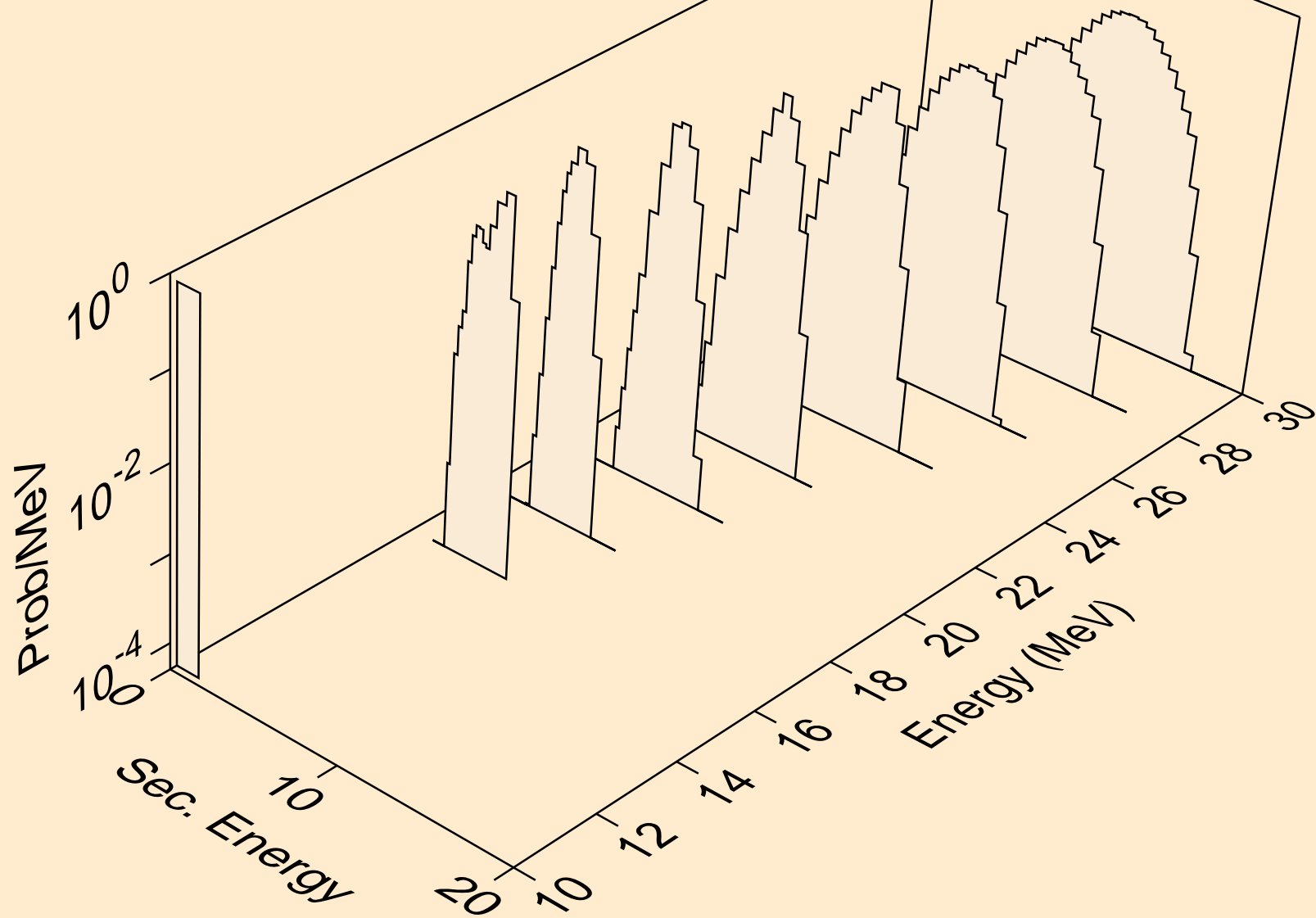




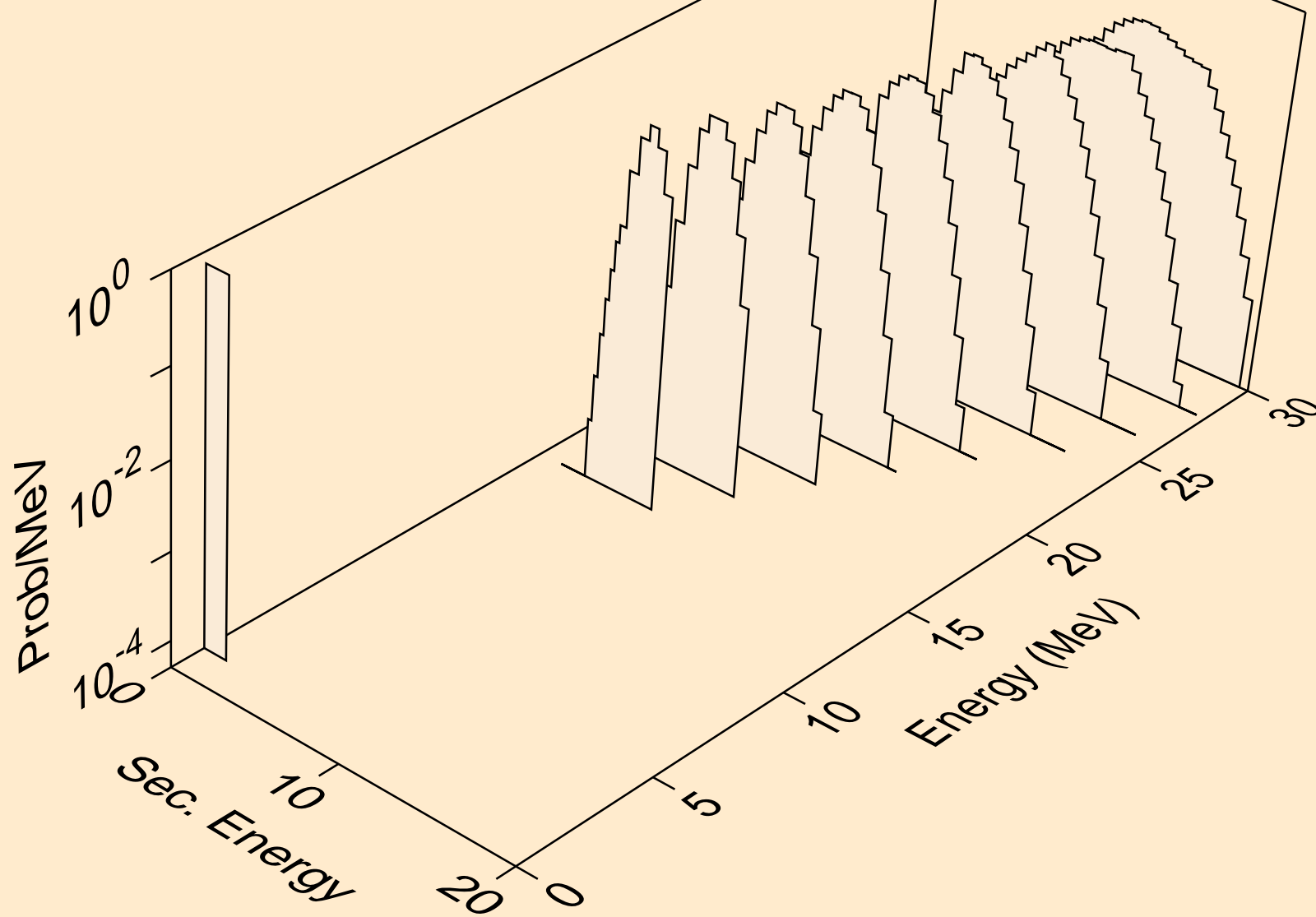
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,d)



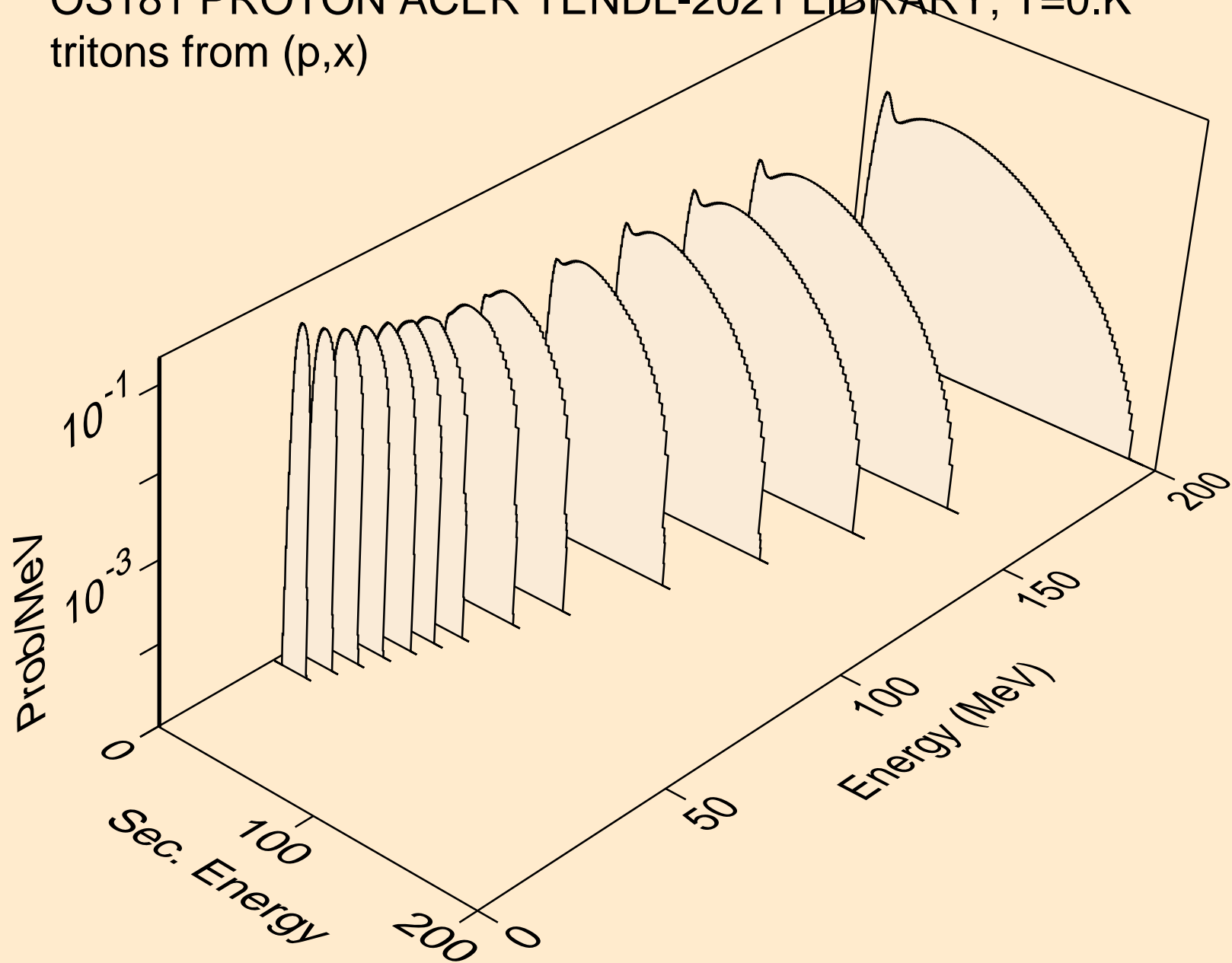
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,pd)



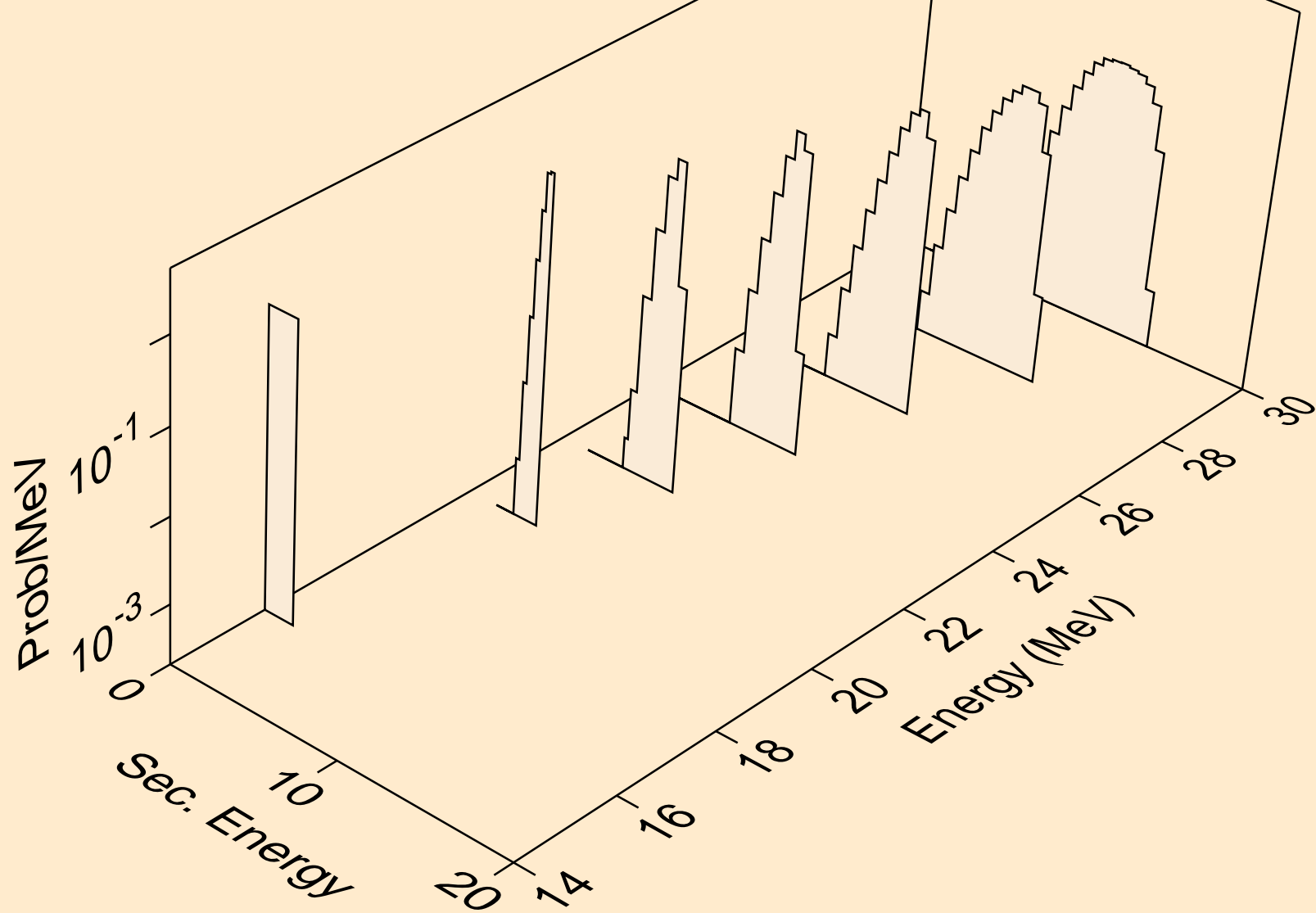
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,da)



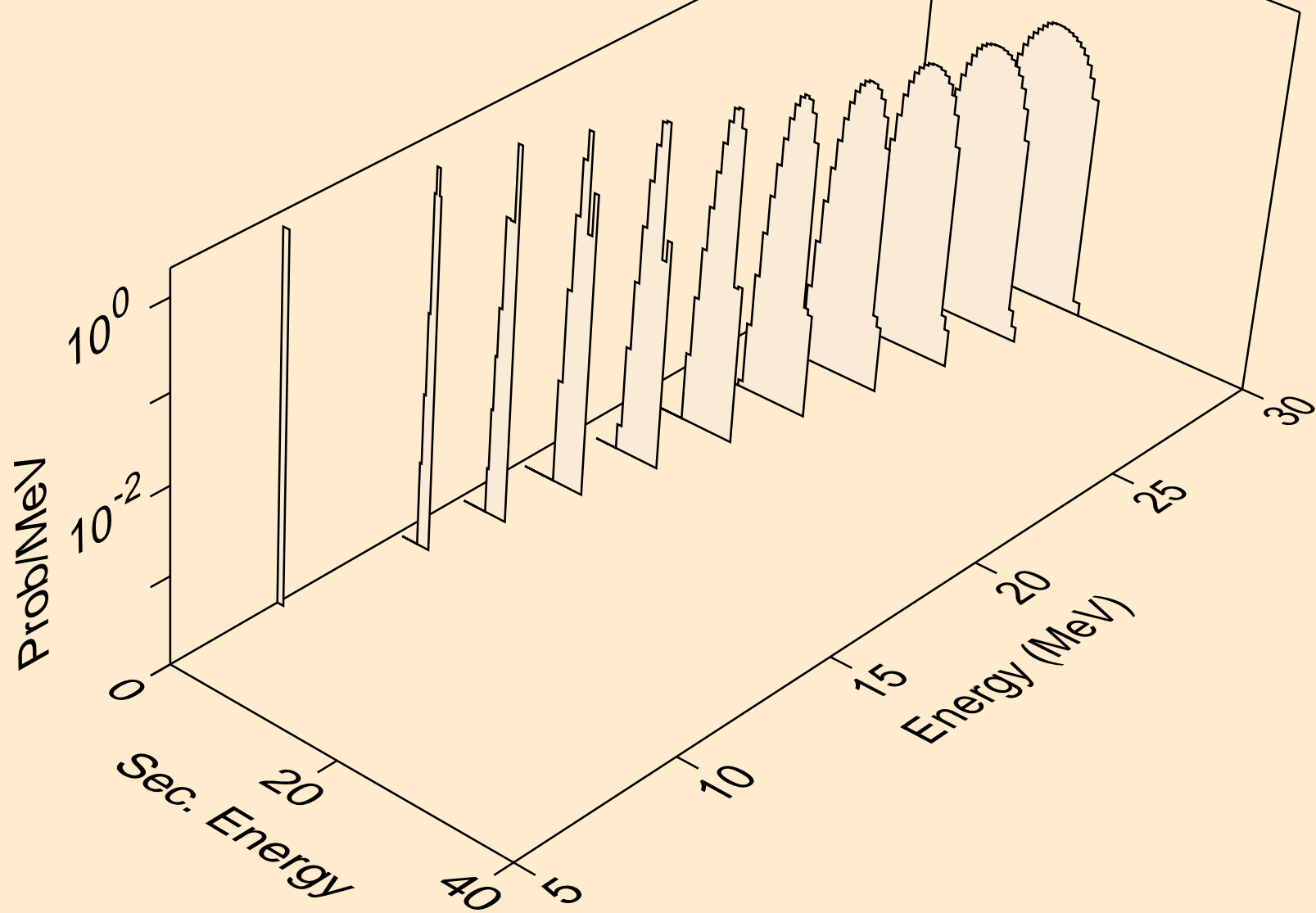
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,x)



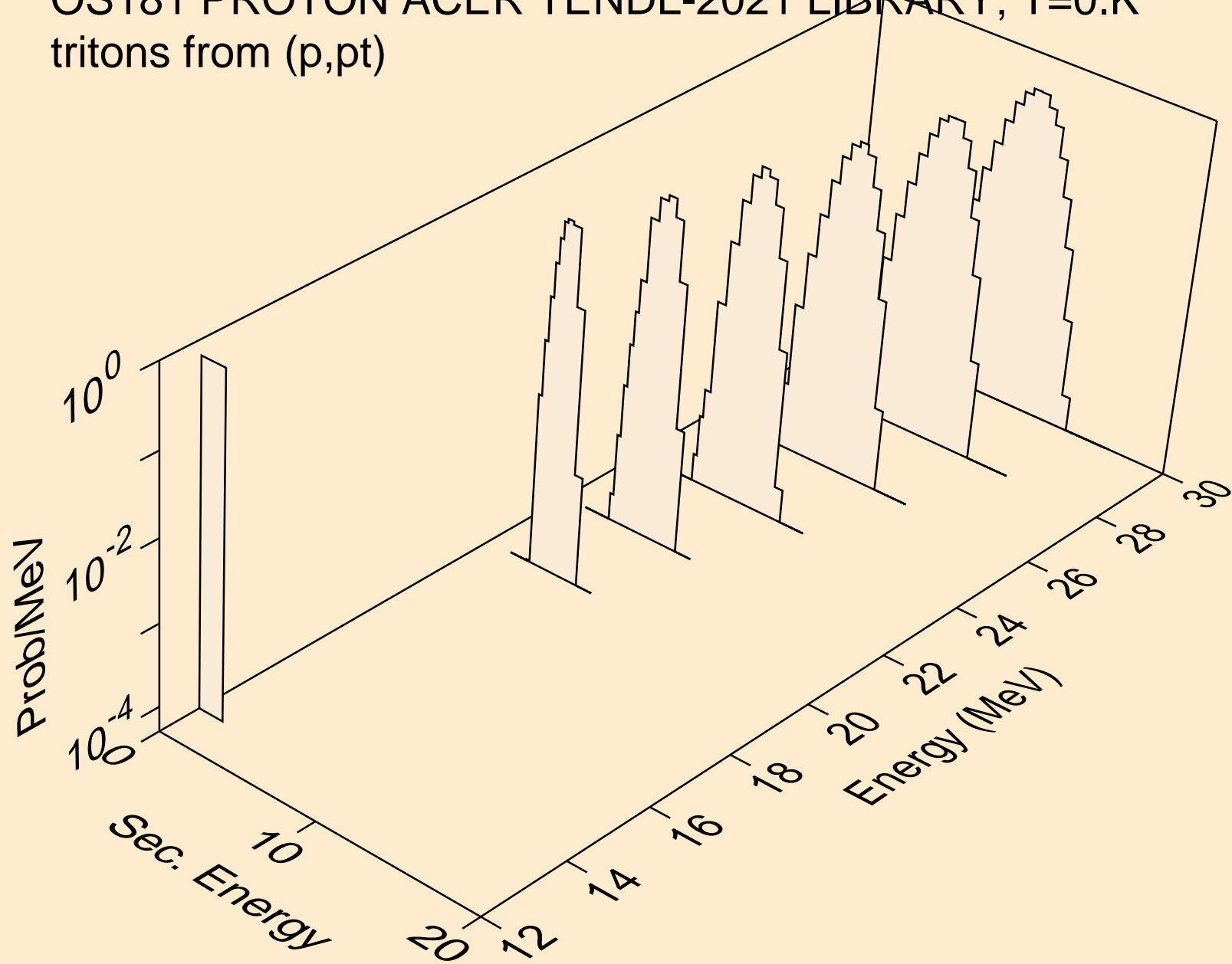
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,n\*)t



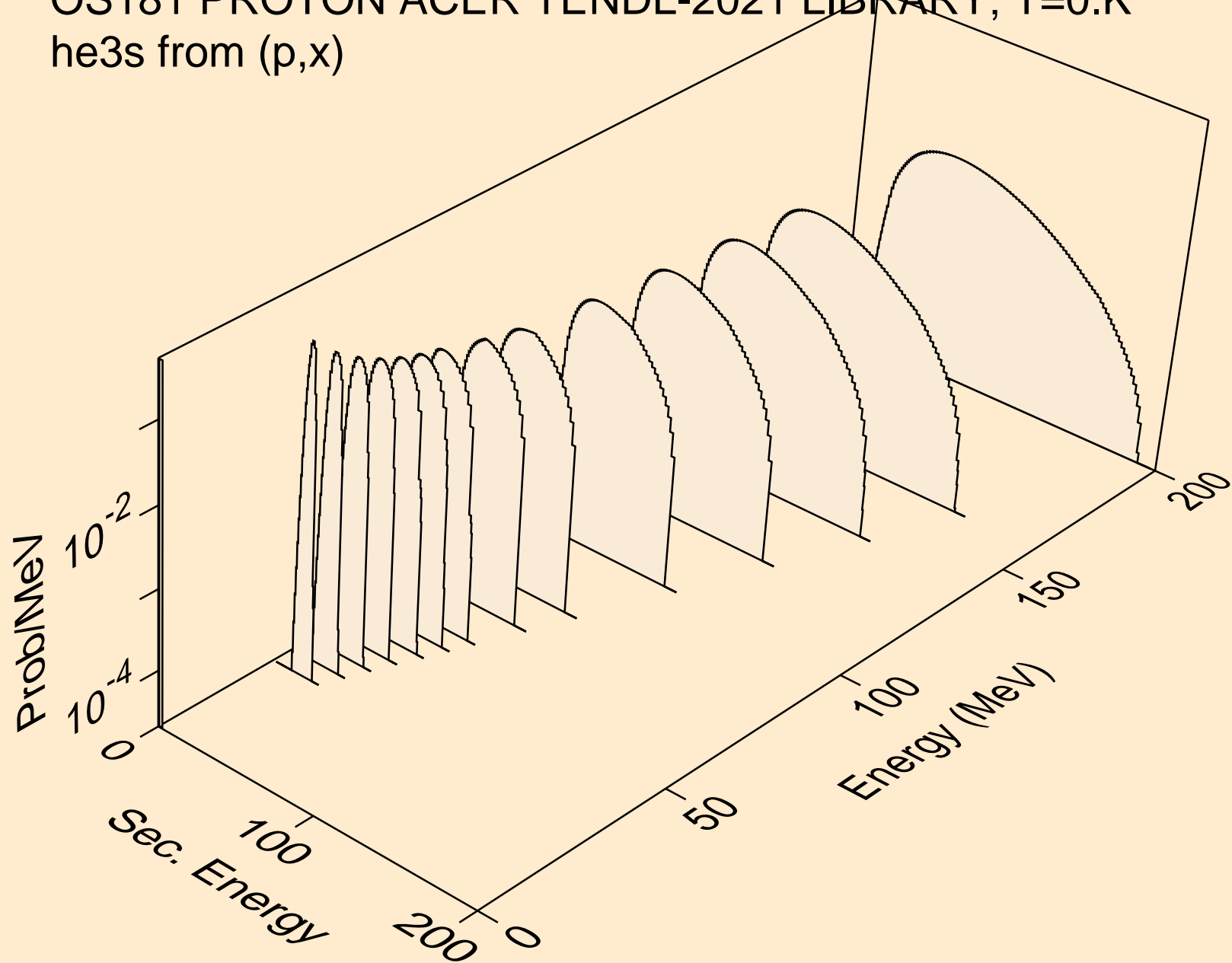
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,t)



OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,pt)

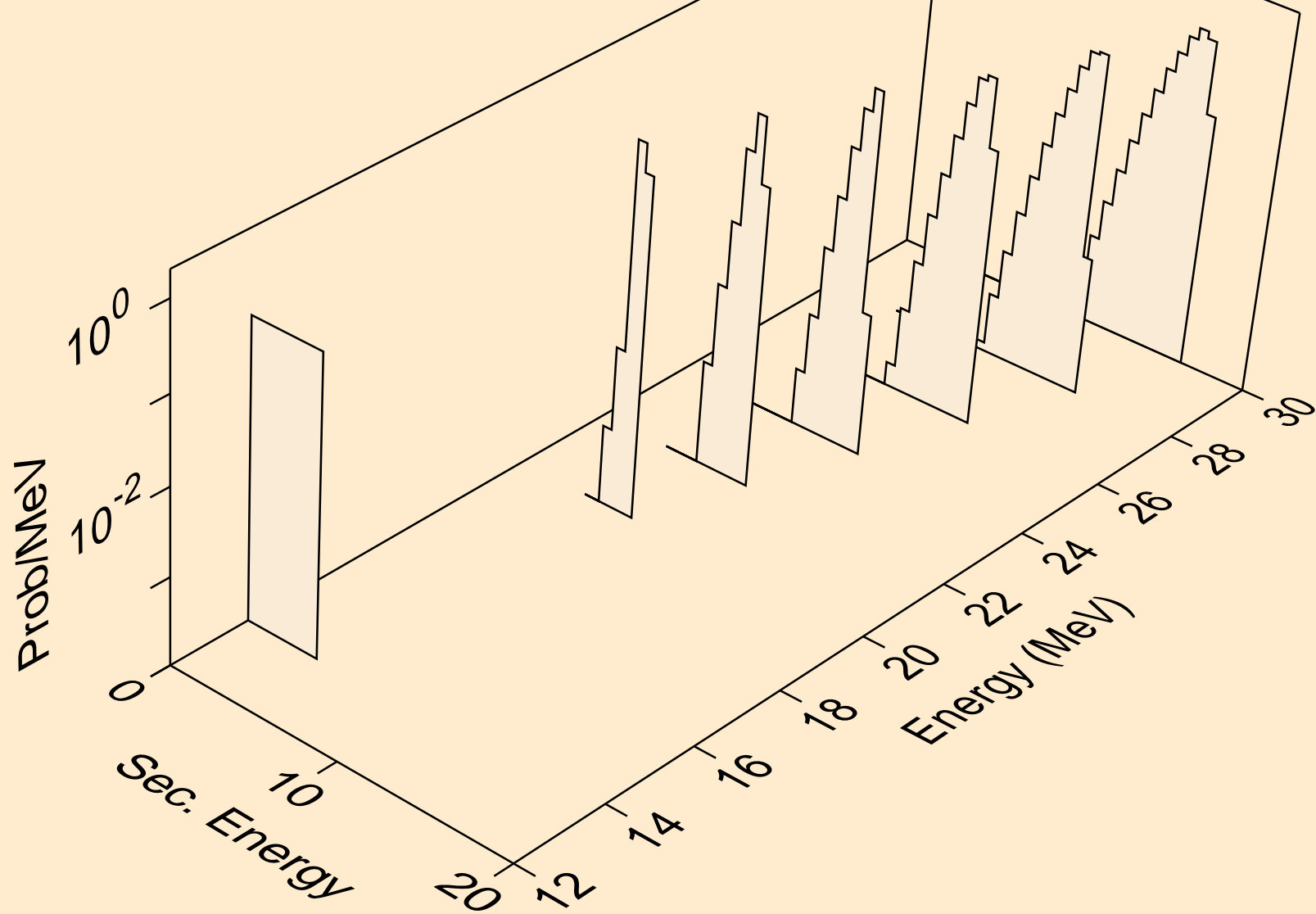


OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,x)

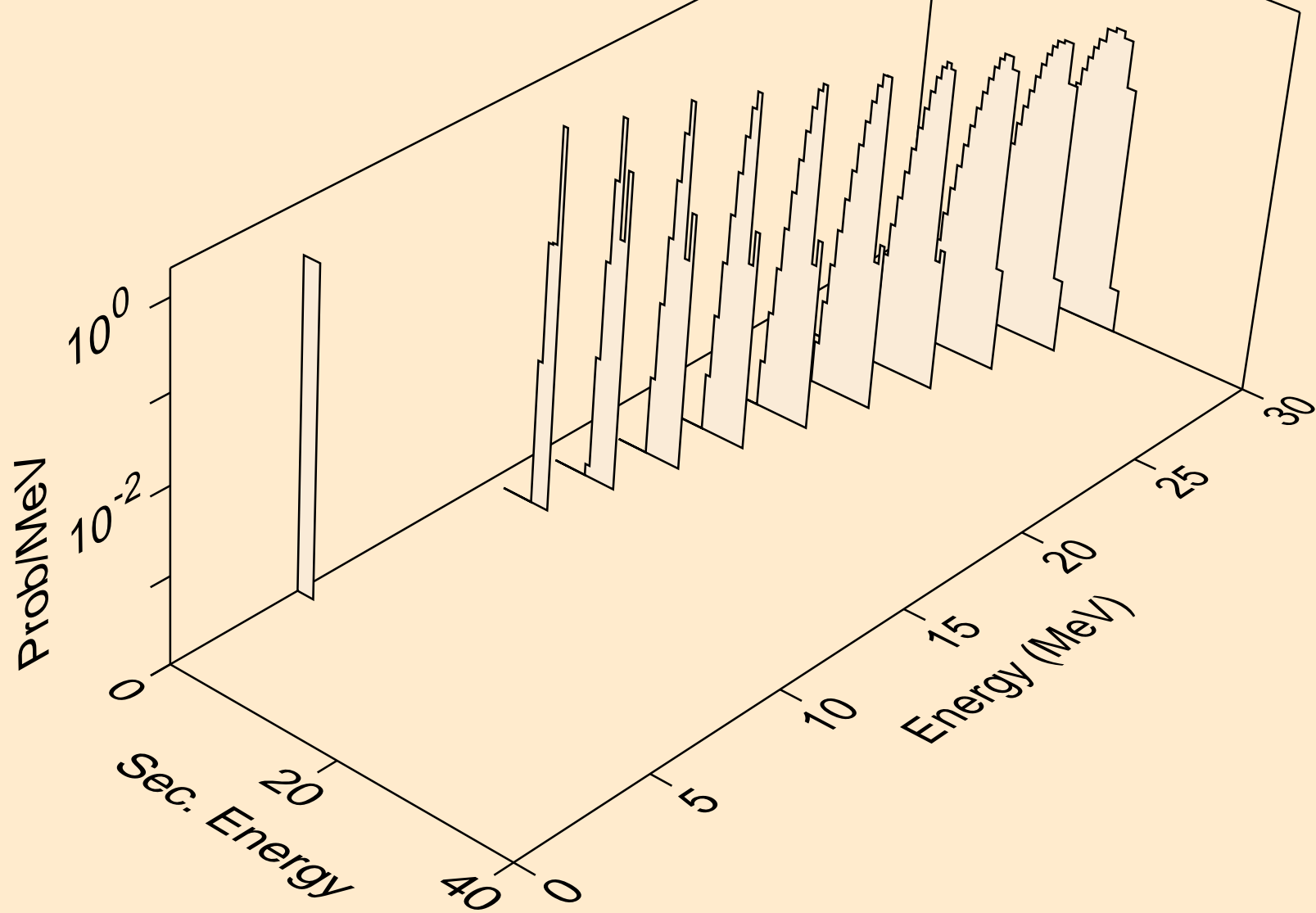




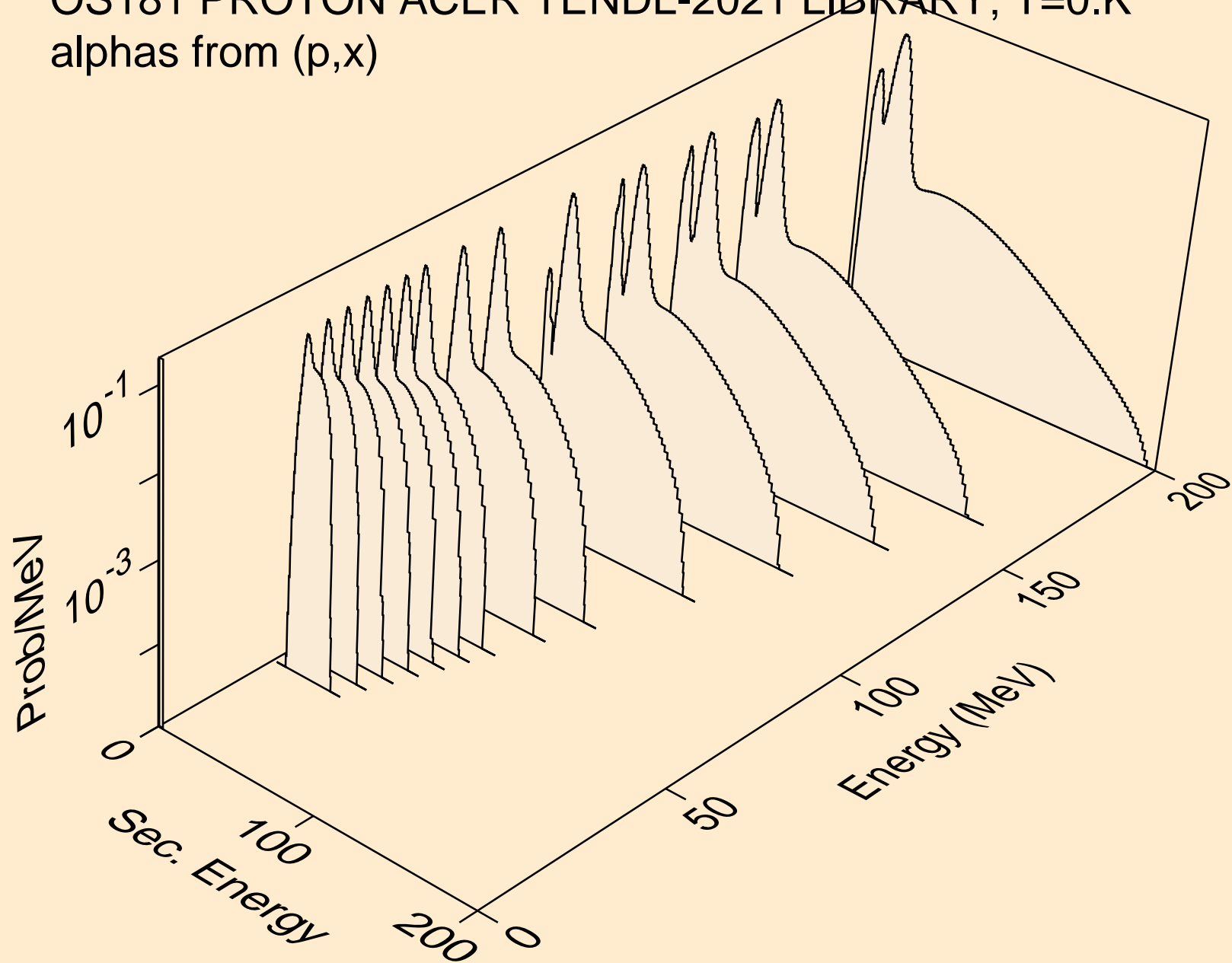
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,n\*)he3



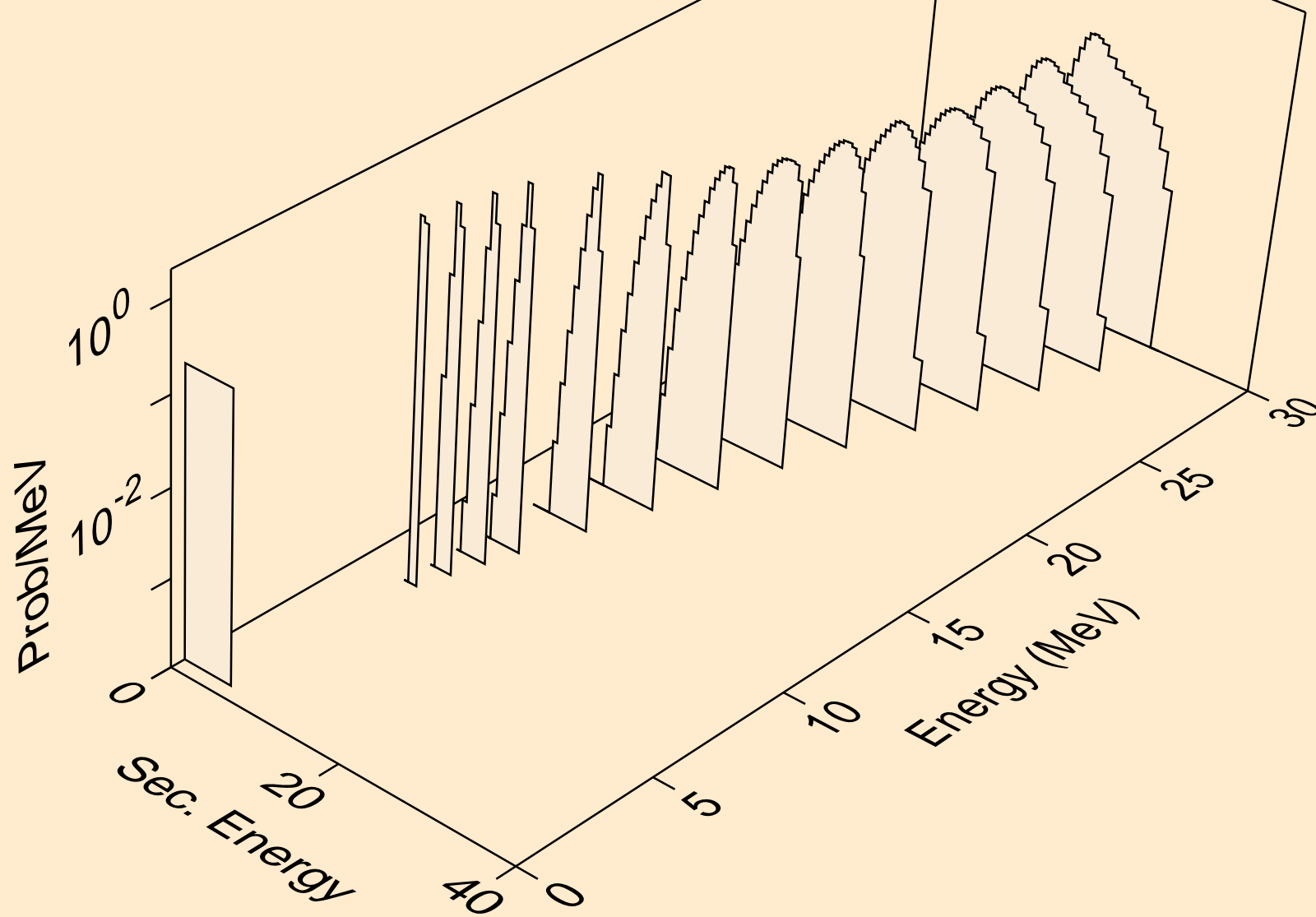
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,he3)



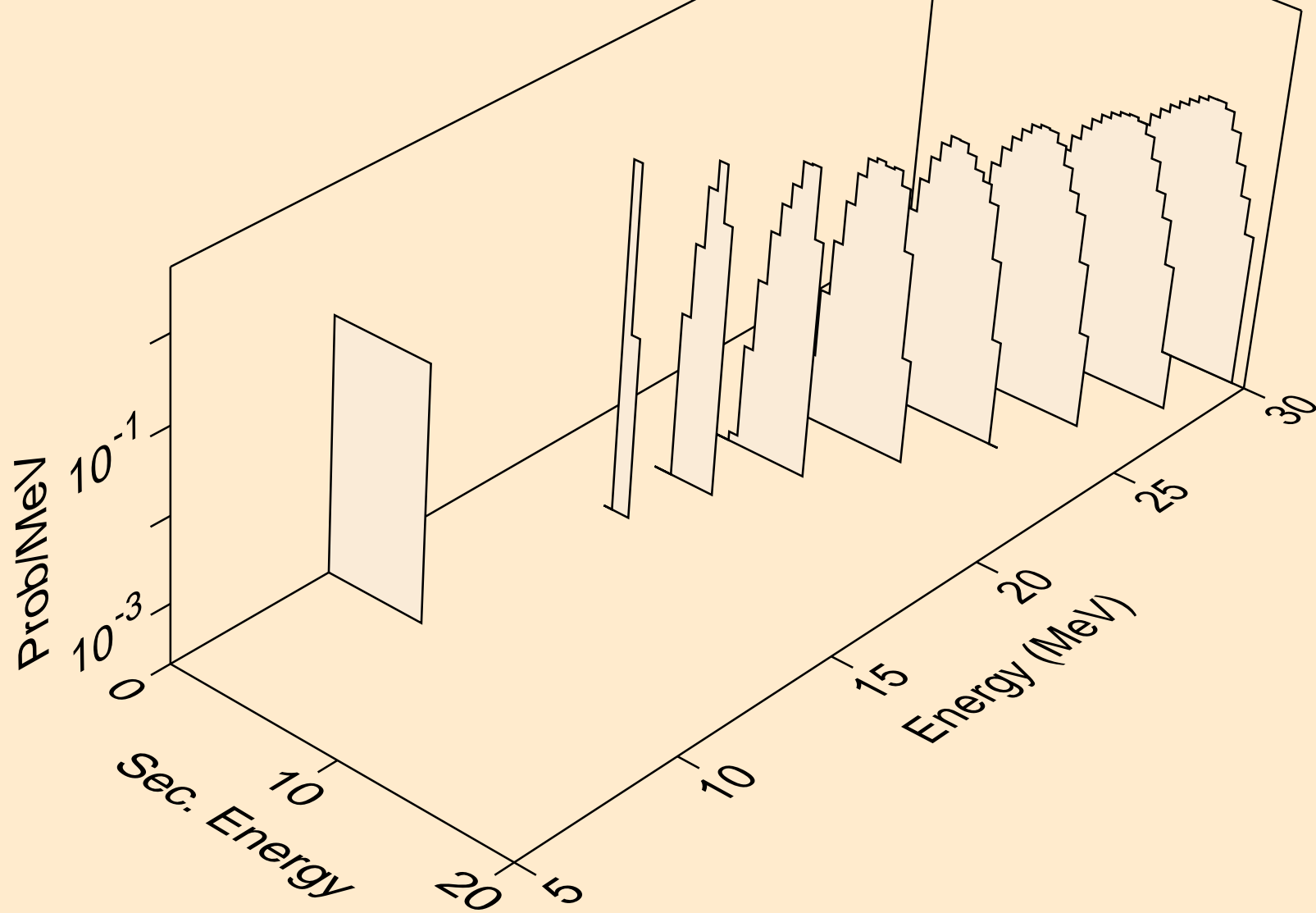
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,x)



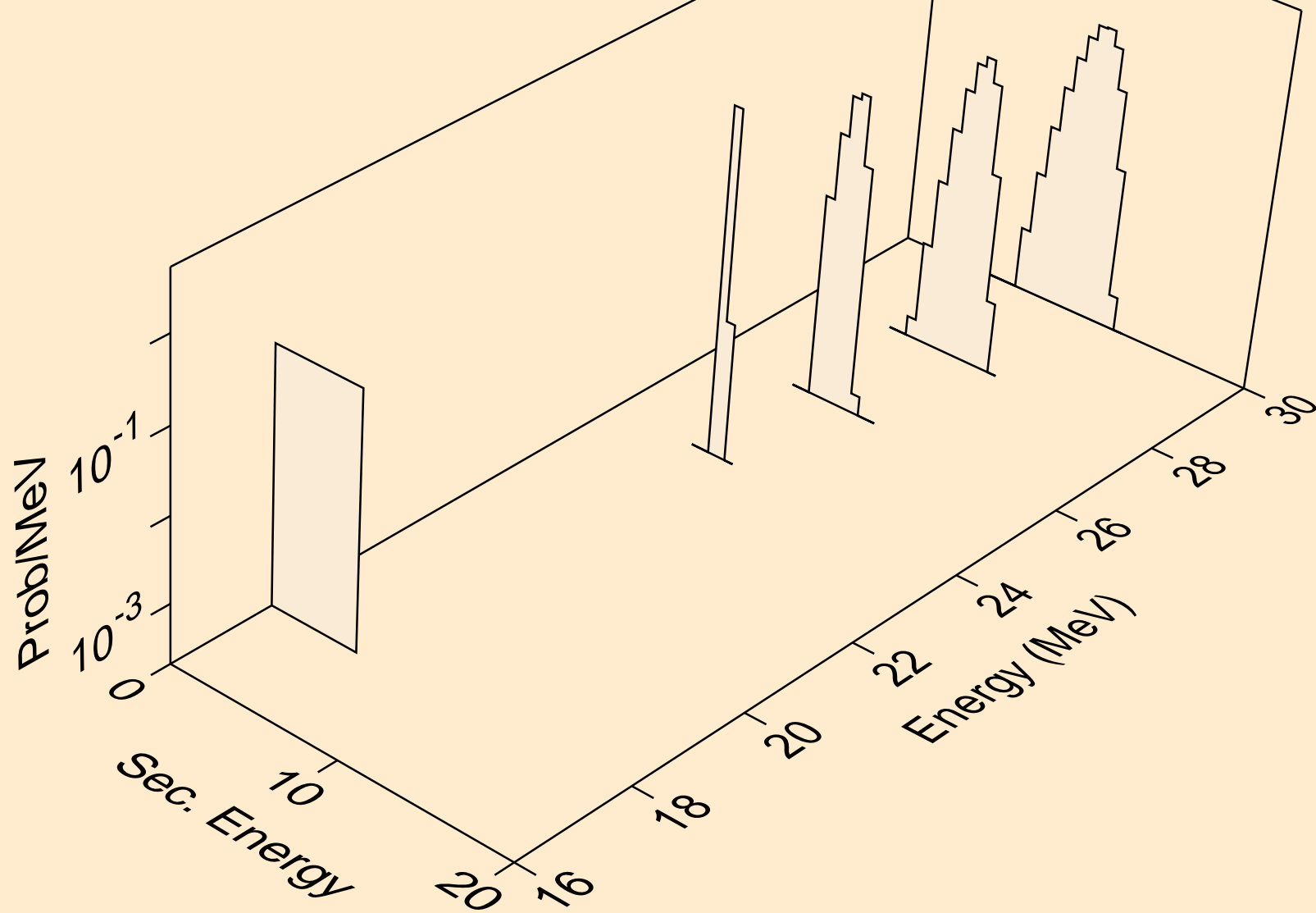
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)a



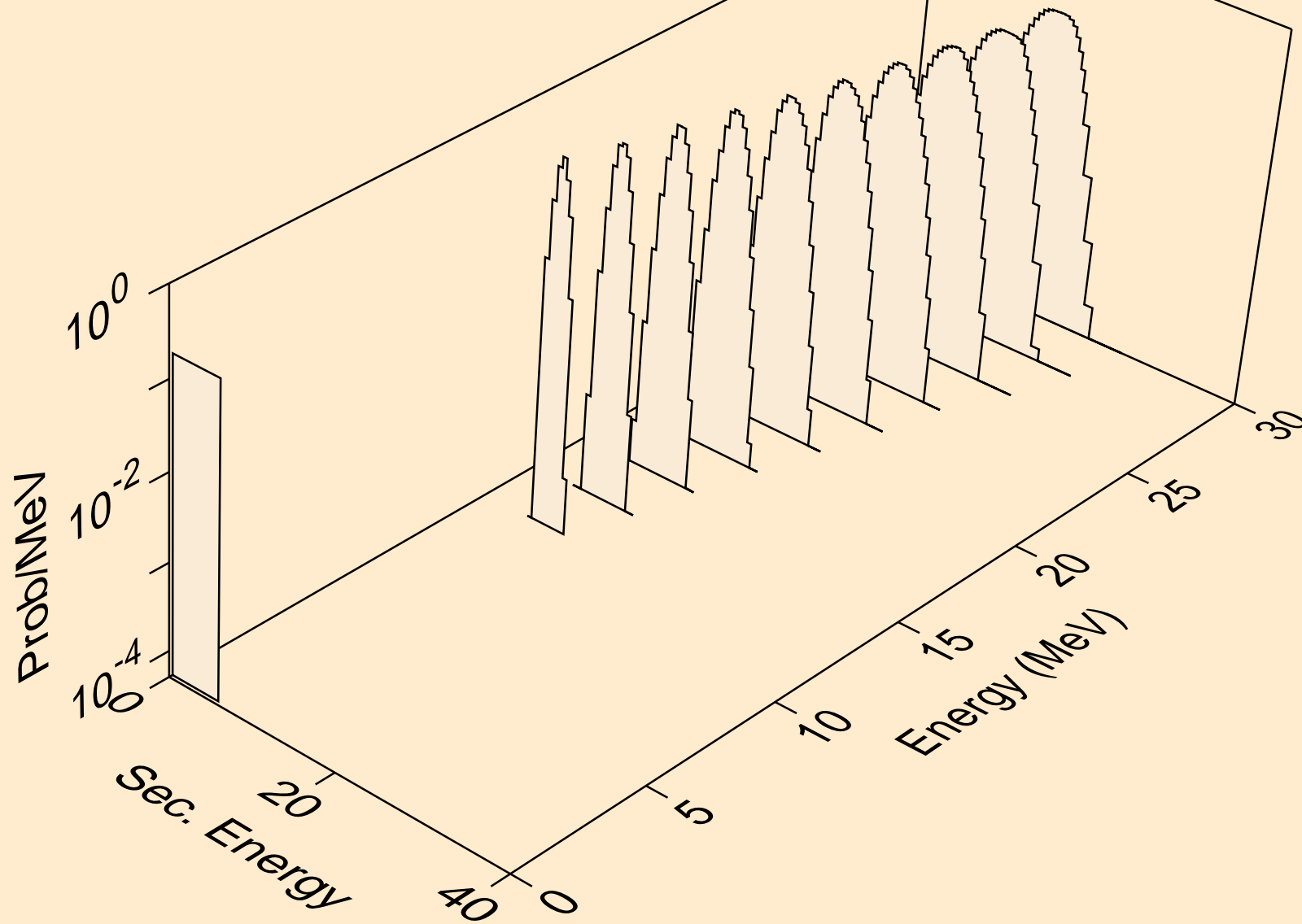
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2n)a



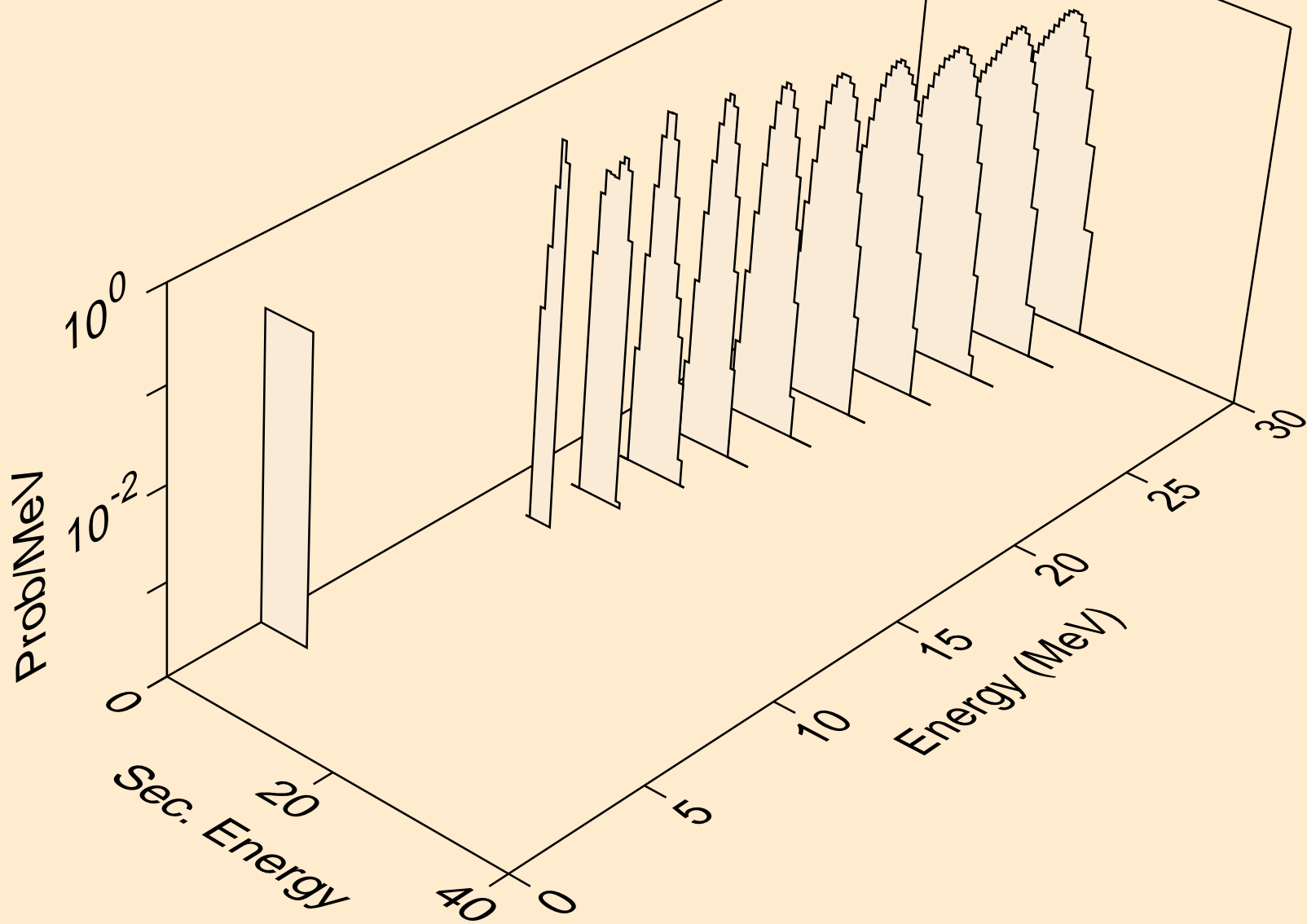
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,3n)a



OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)2a

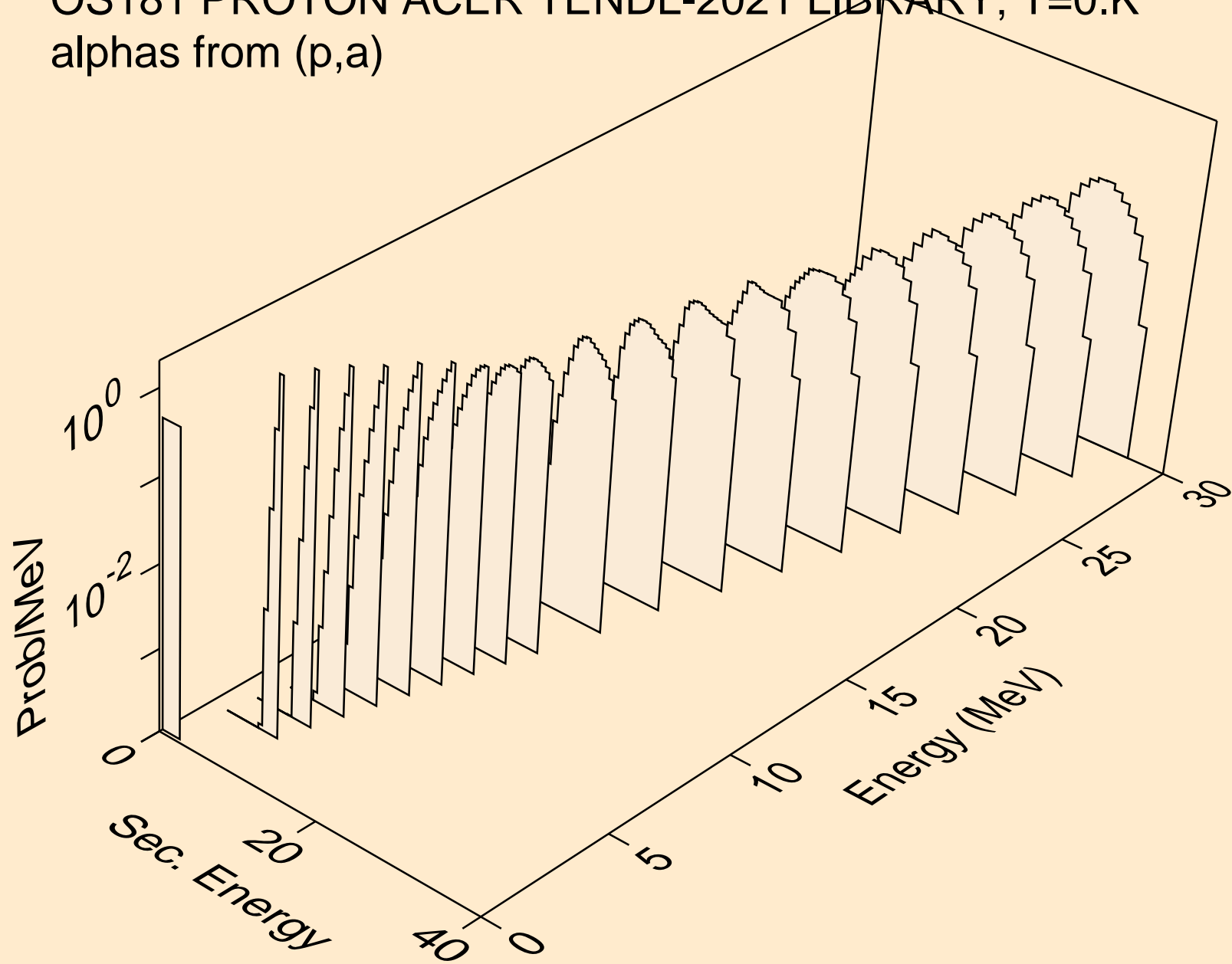


OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,npa)

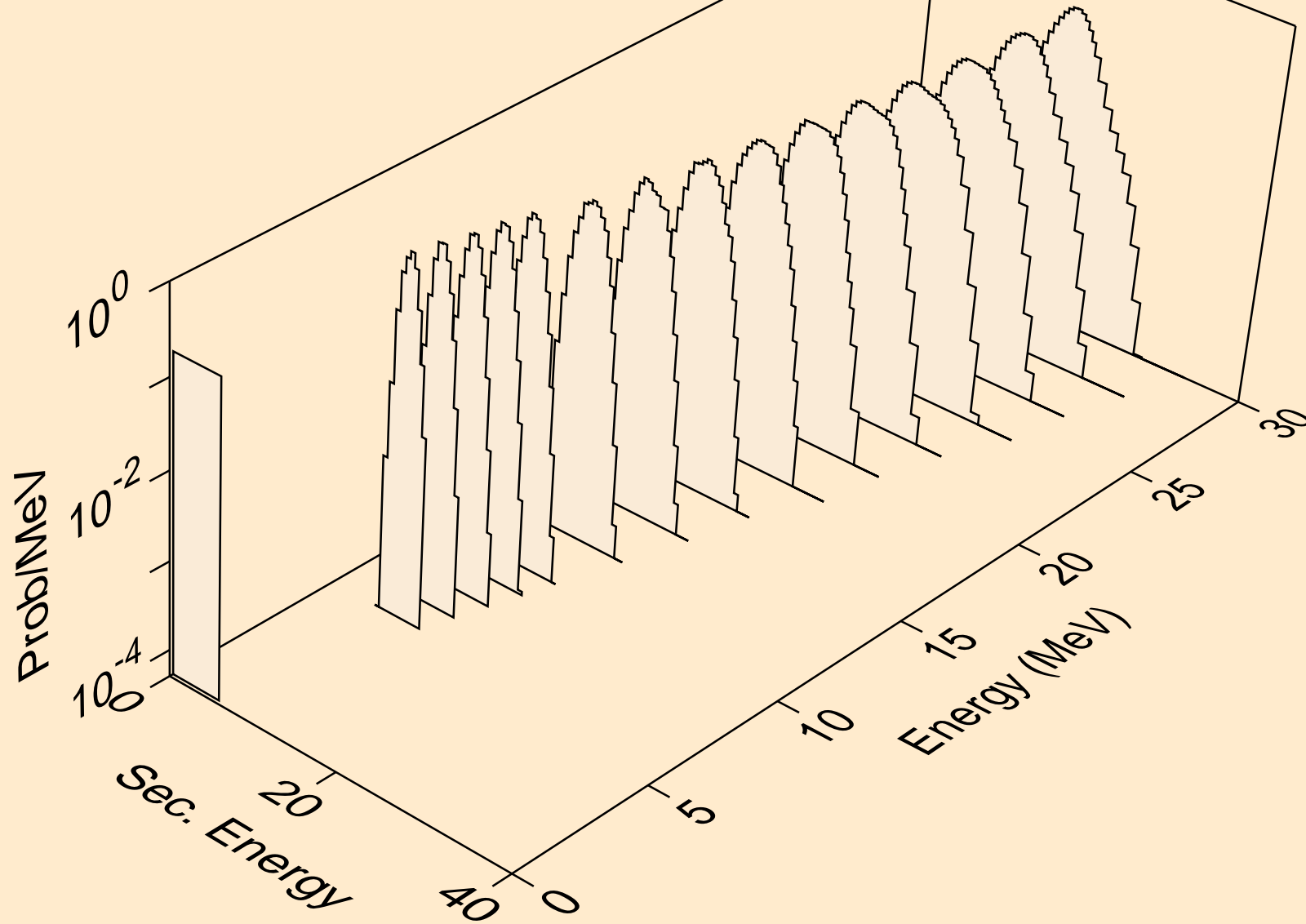




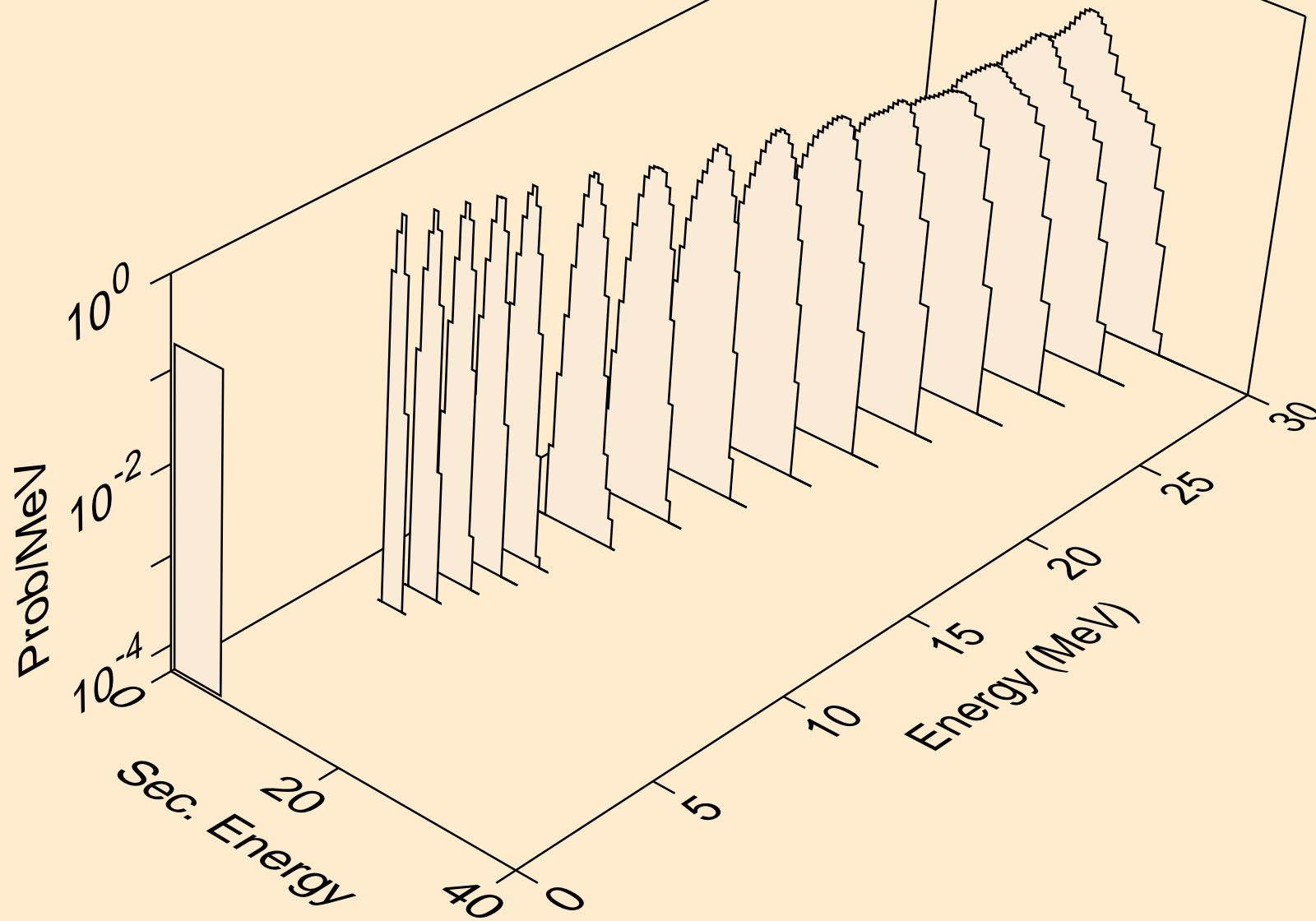
OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,a)



OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2a)



OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,pa)



OS181 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,da)

