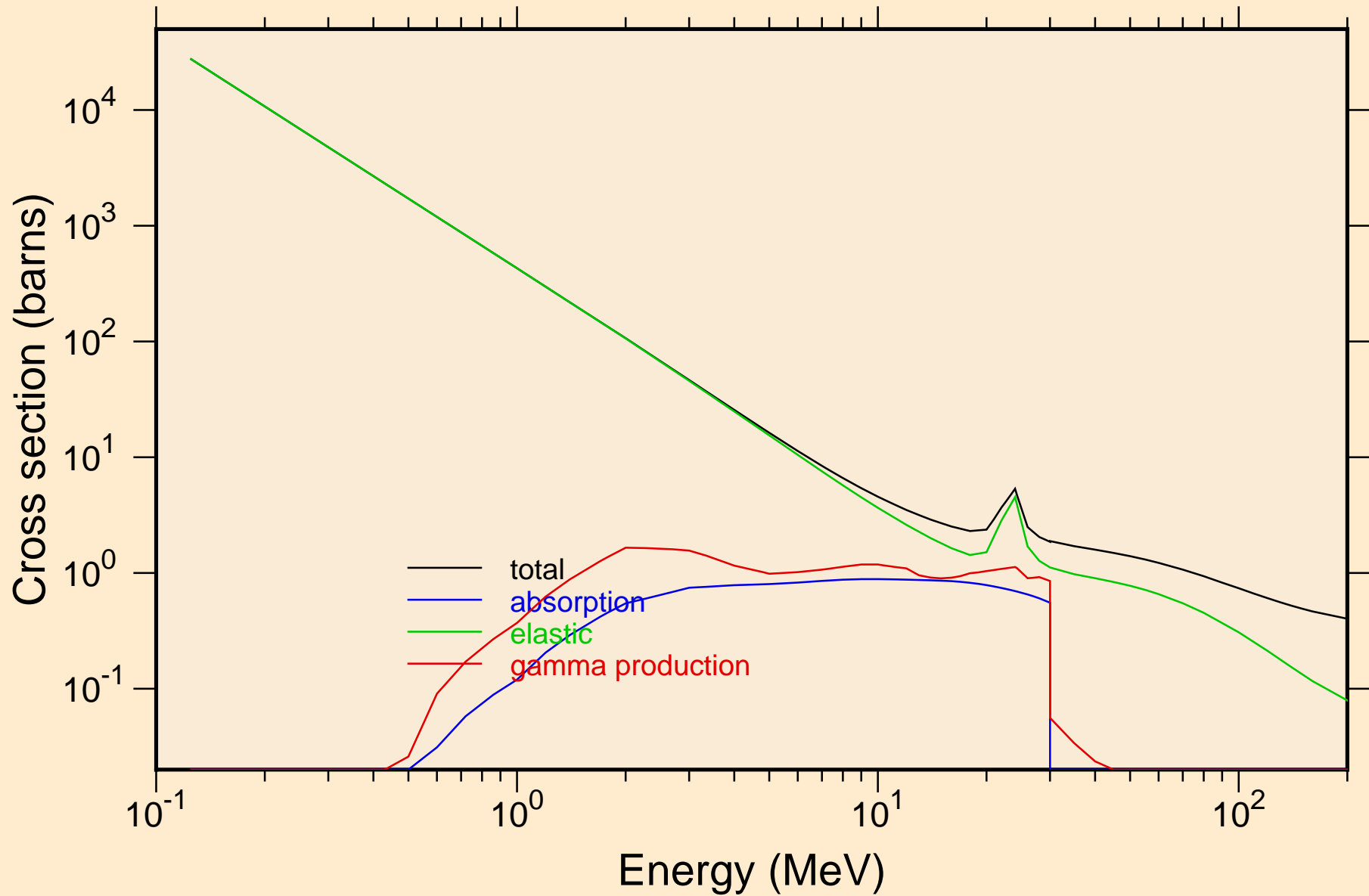
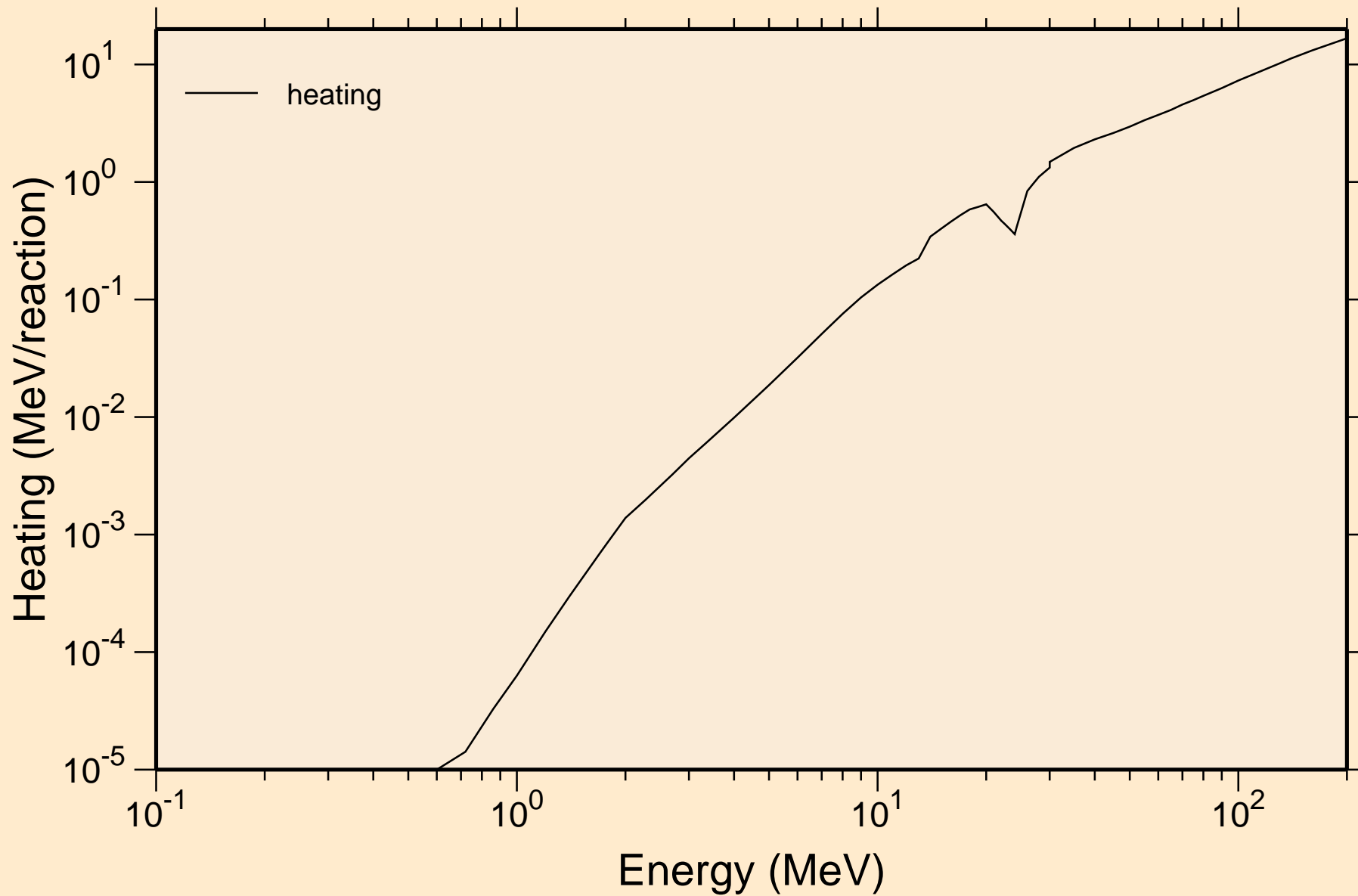


O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Principal cross sections

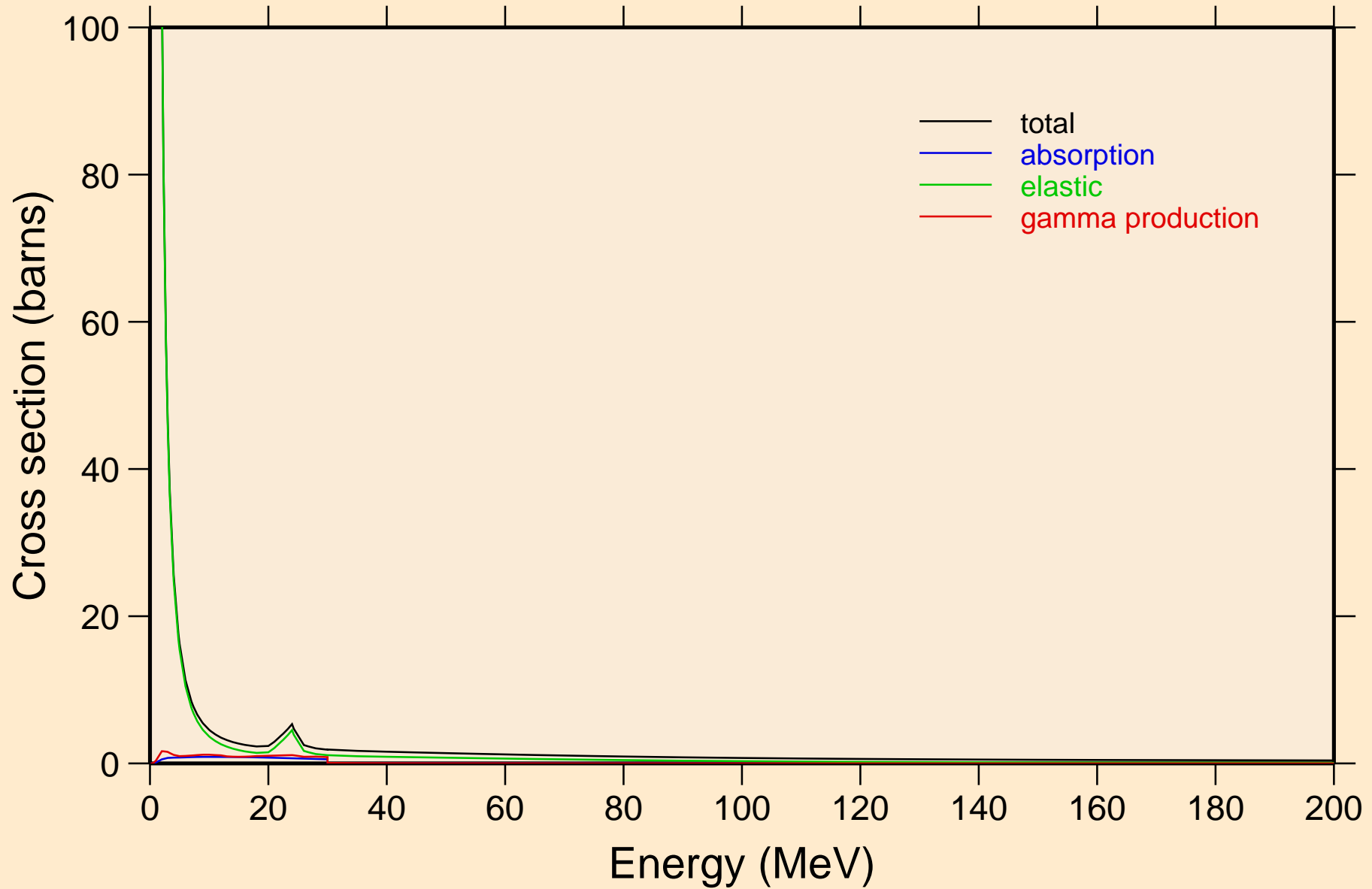


O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Heating



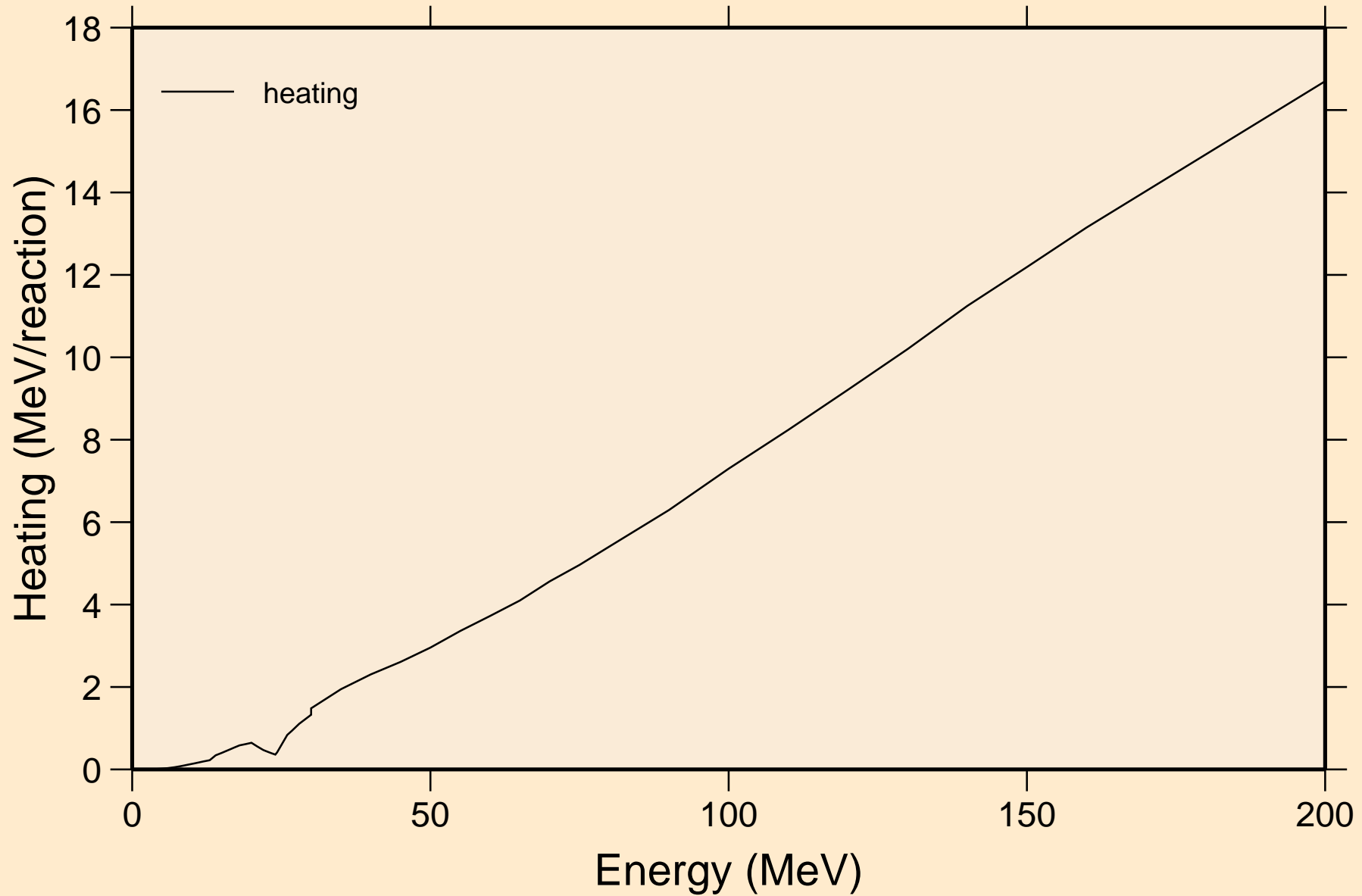
# O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



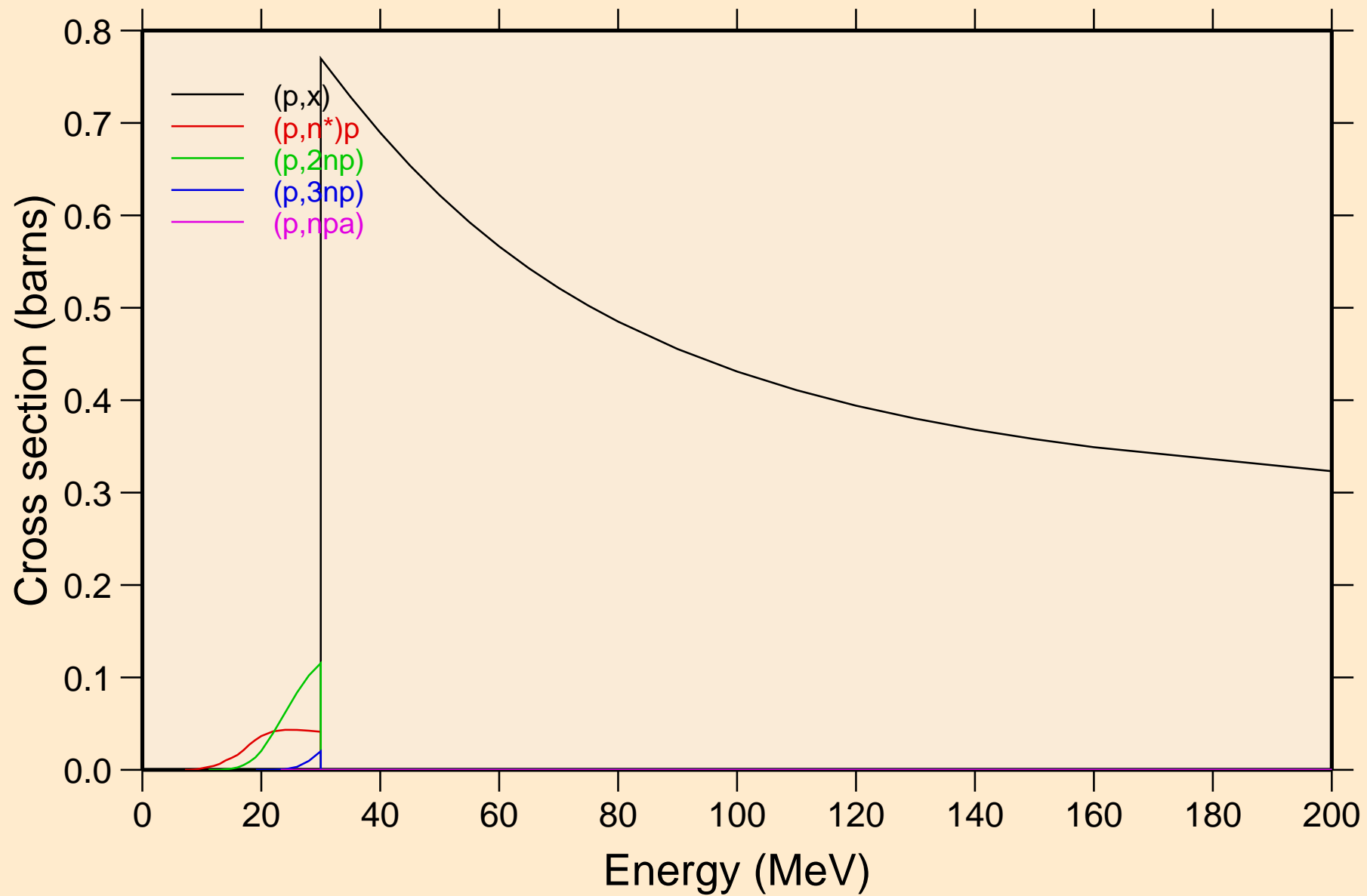
# O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

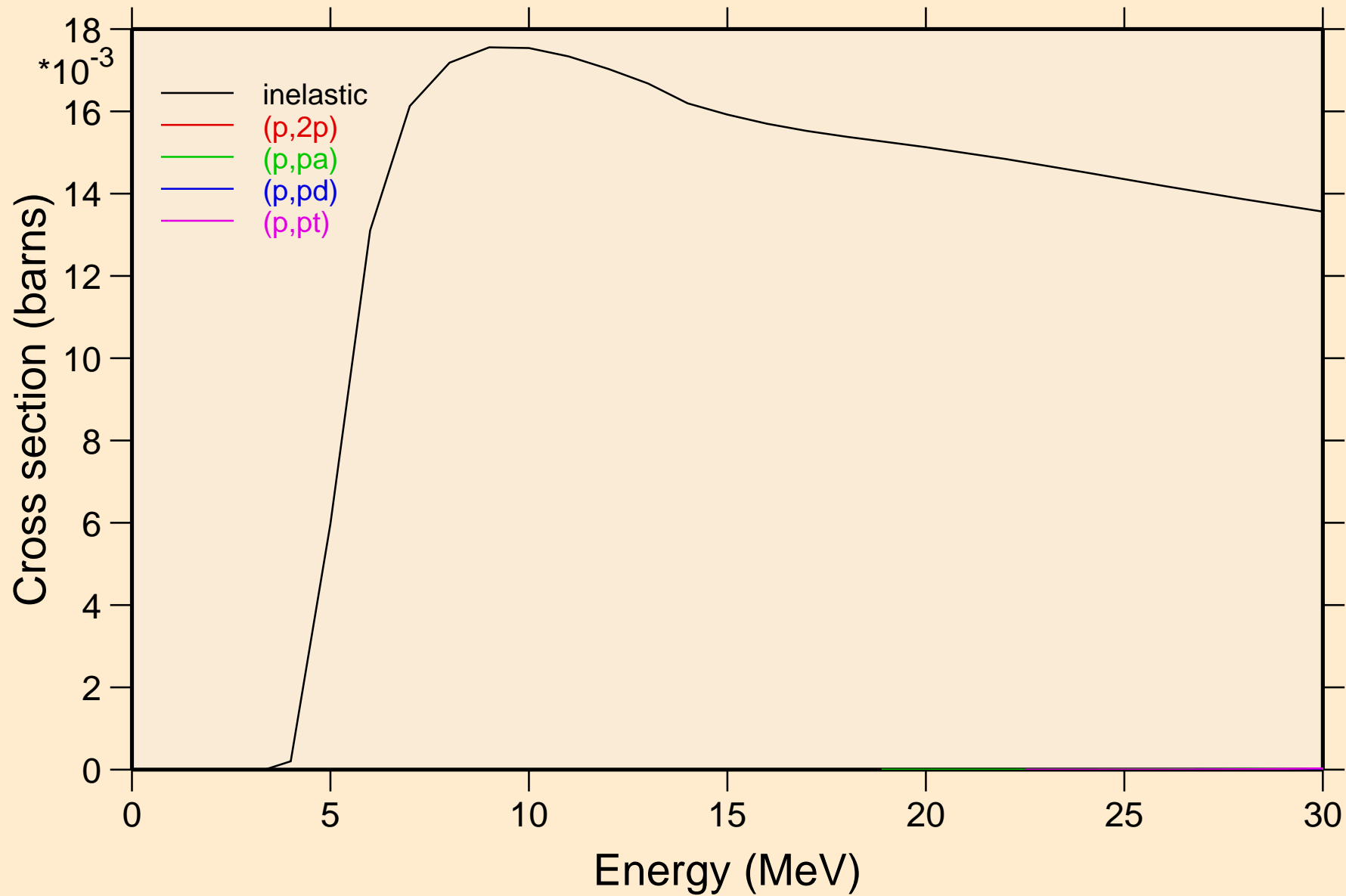


# O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K

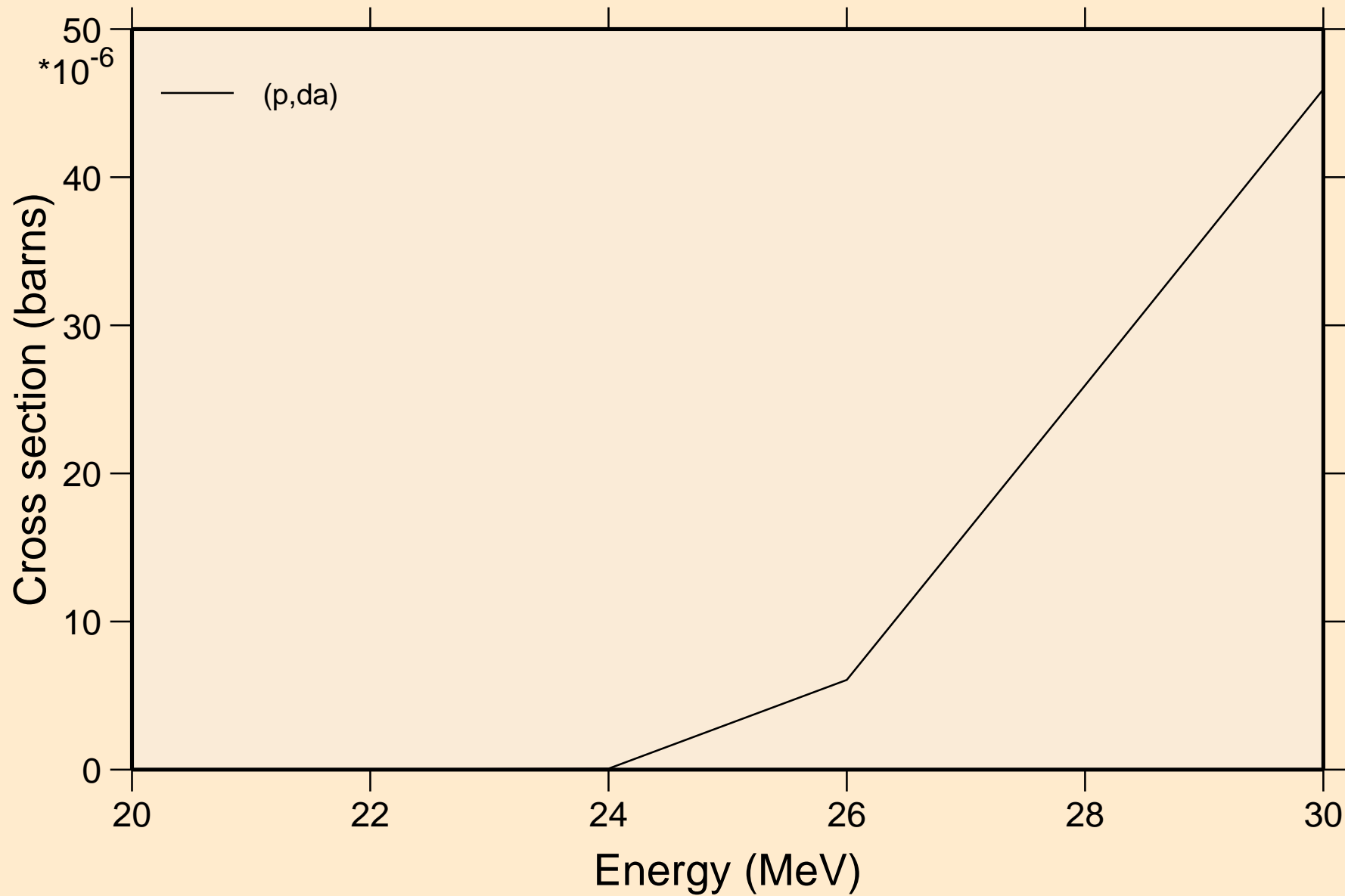
## Threshold reactions



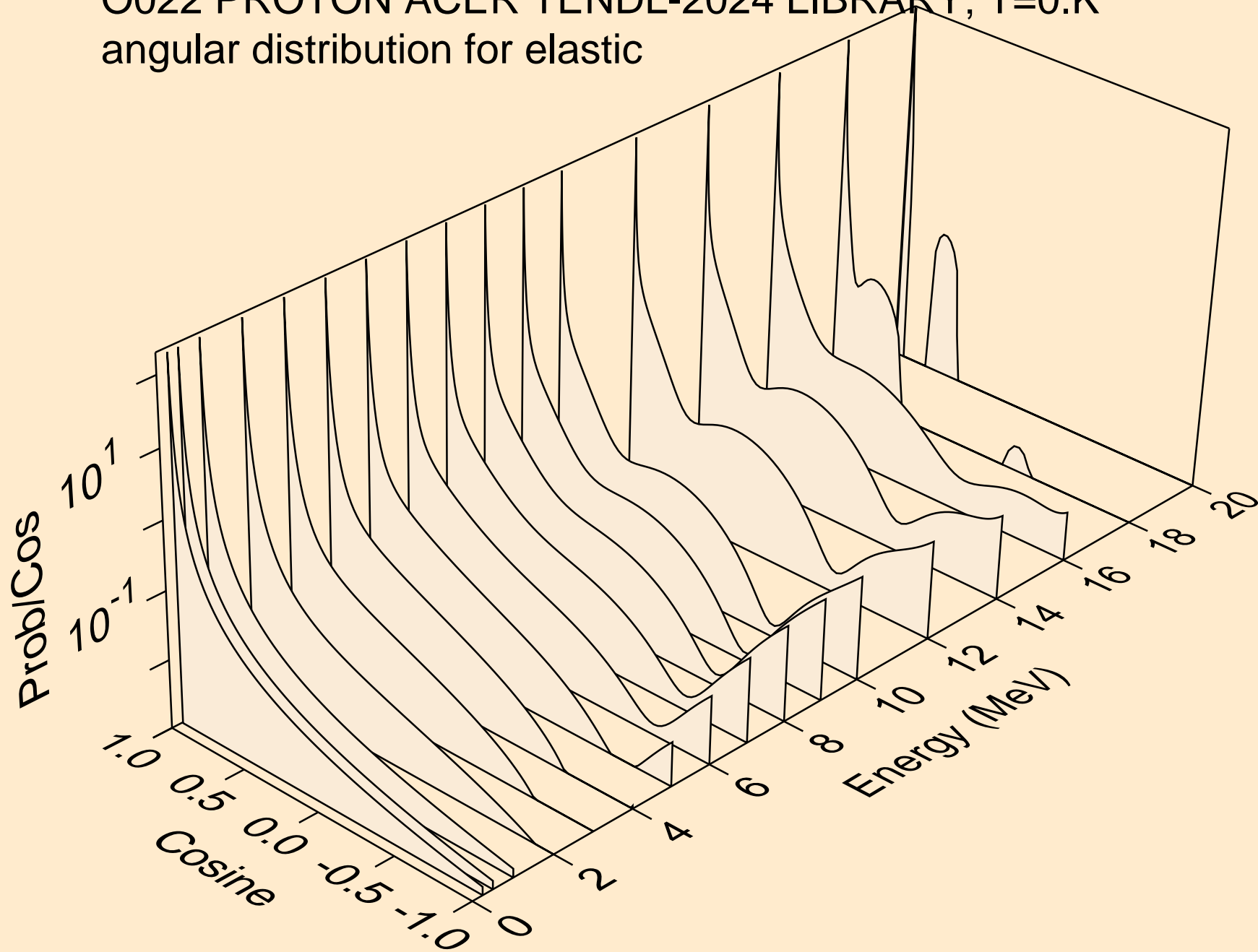
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



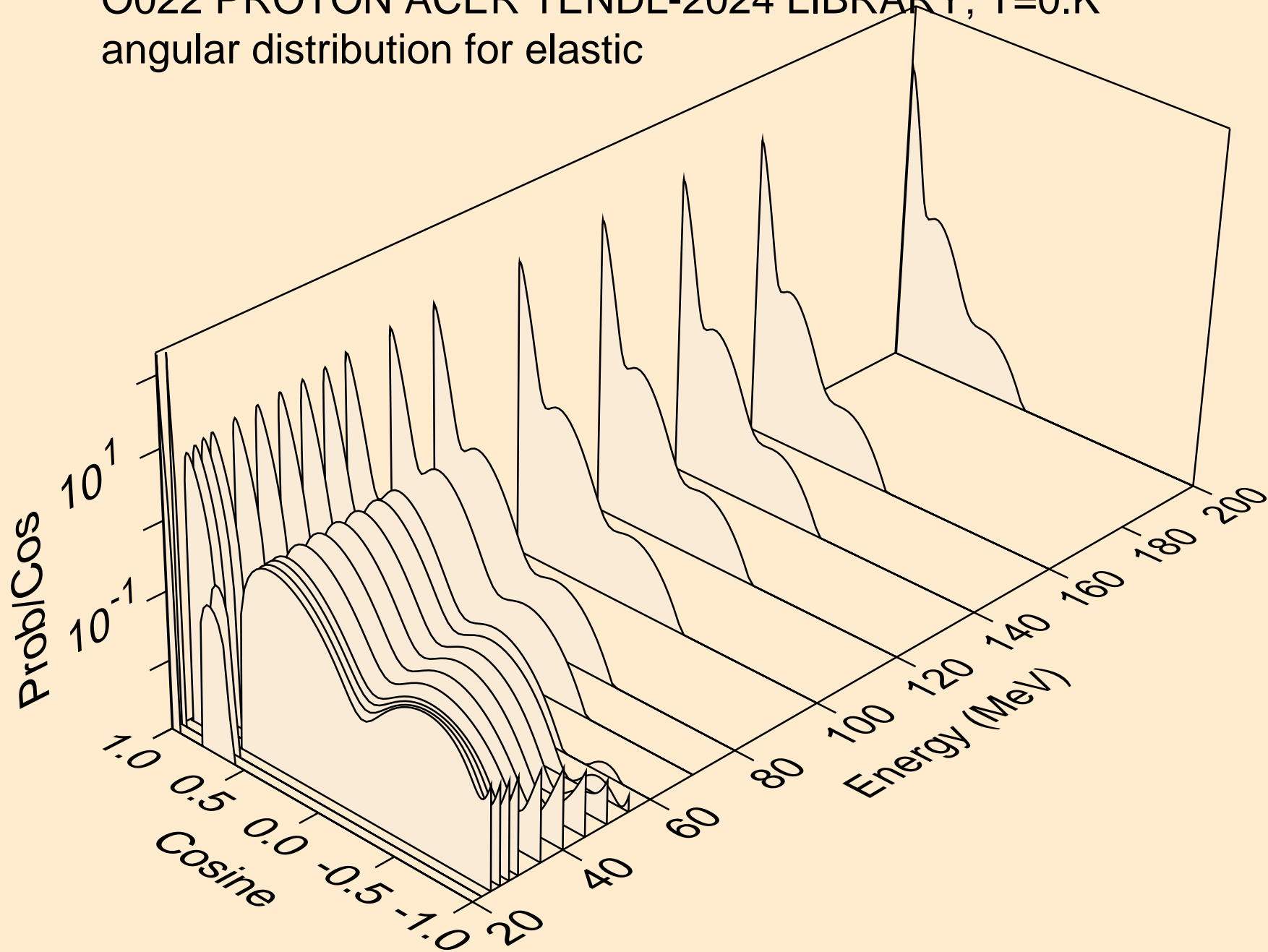
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



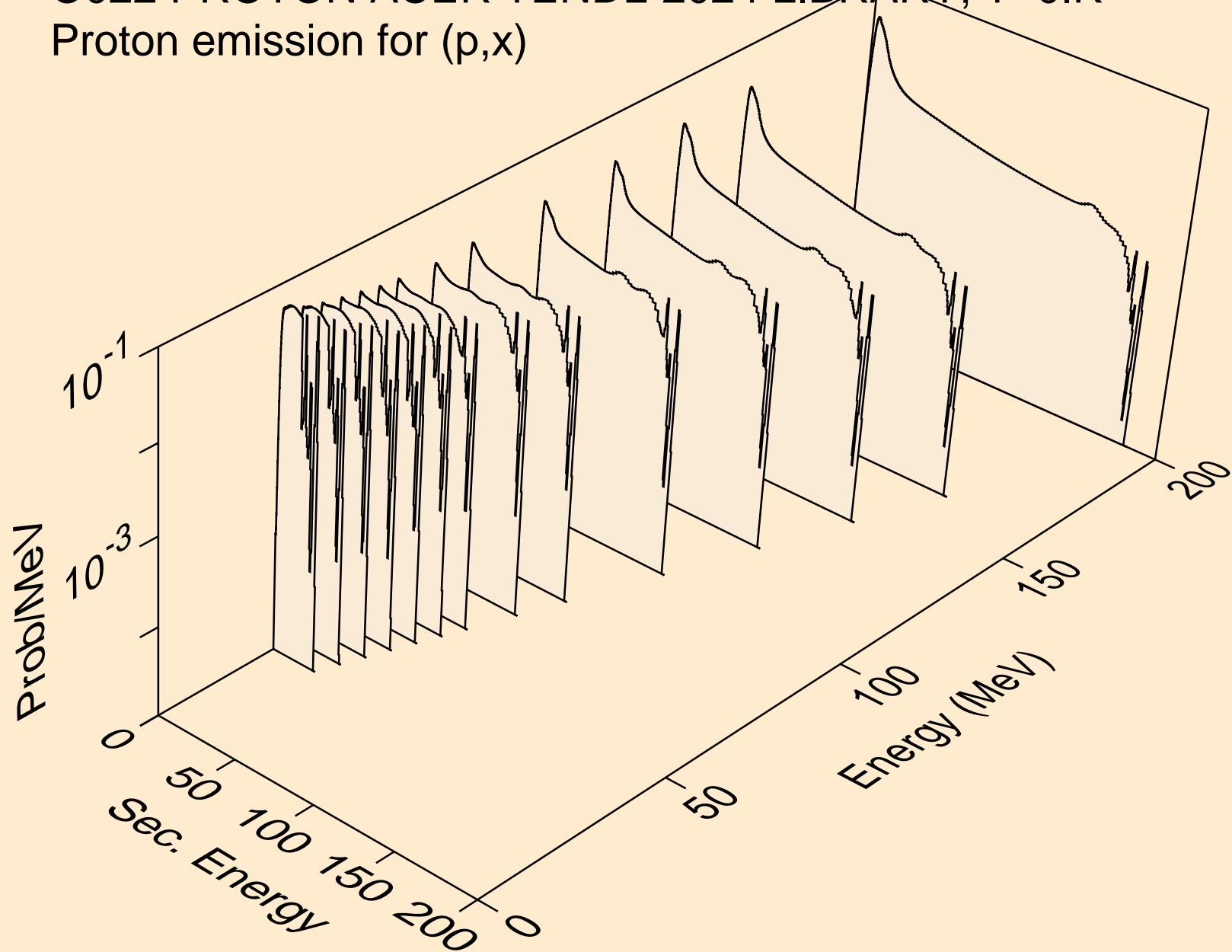
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



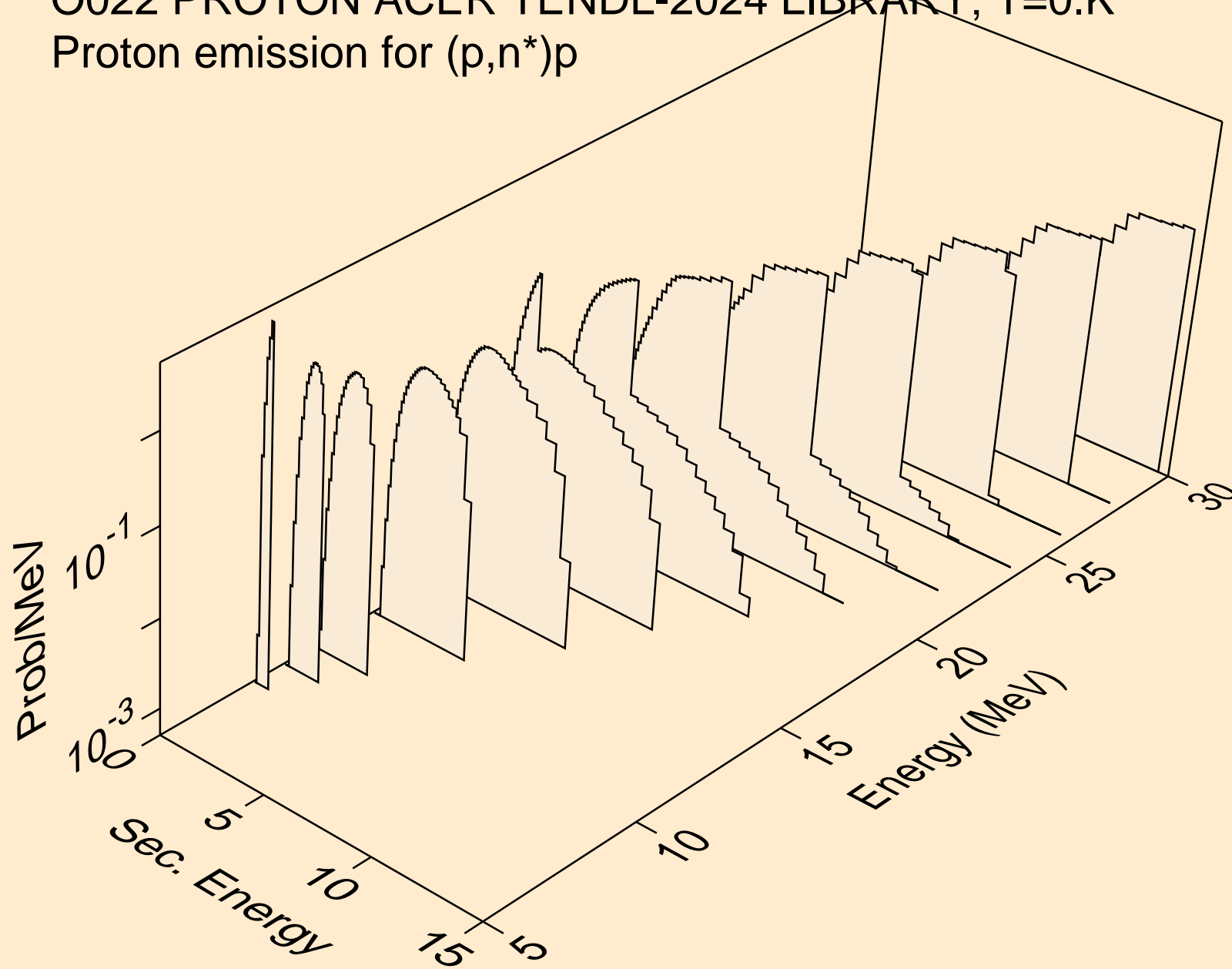
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



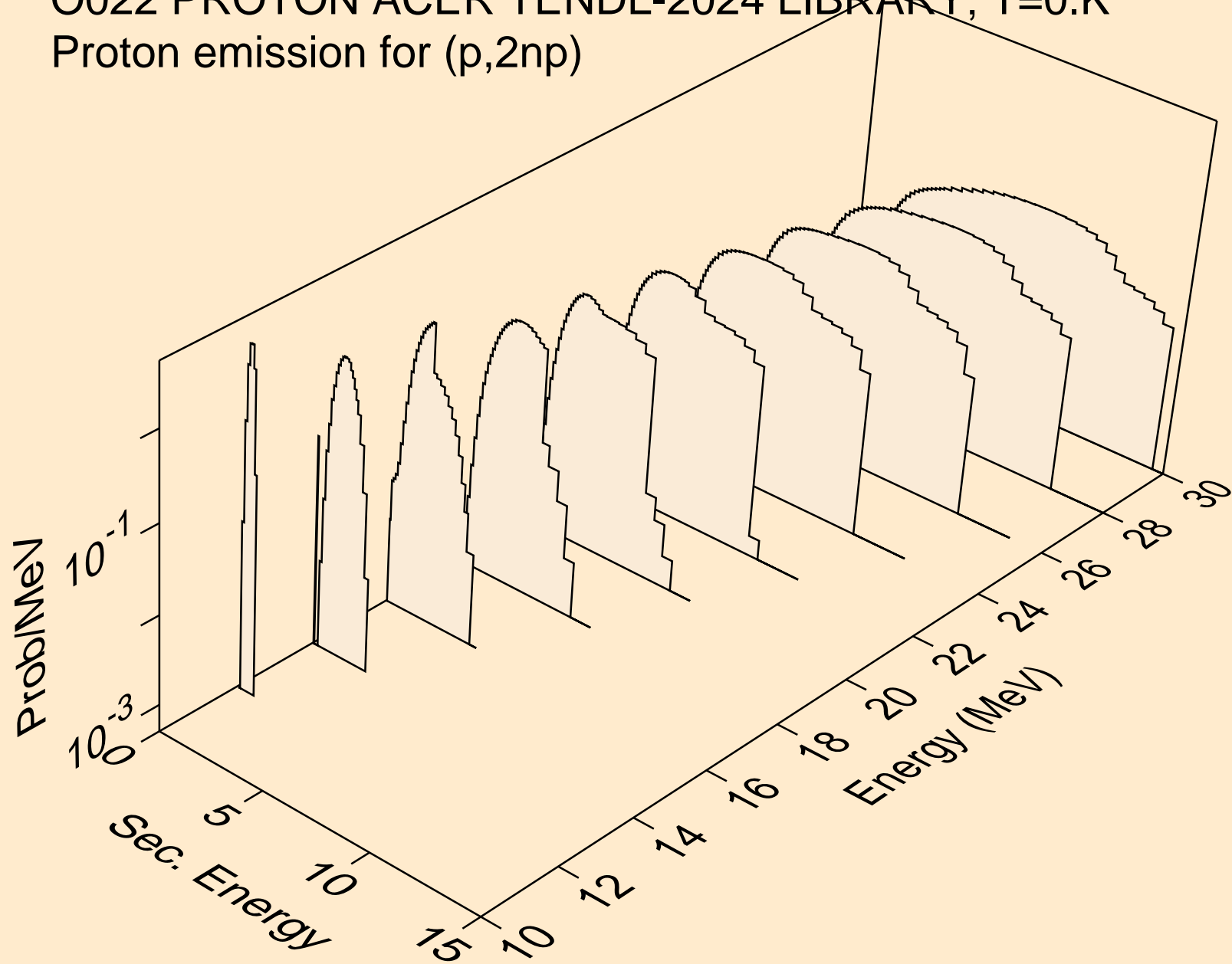
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,x)



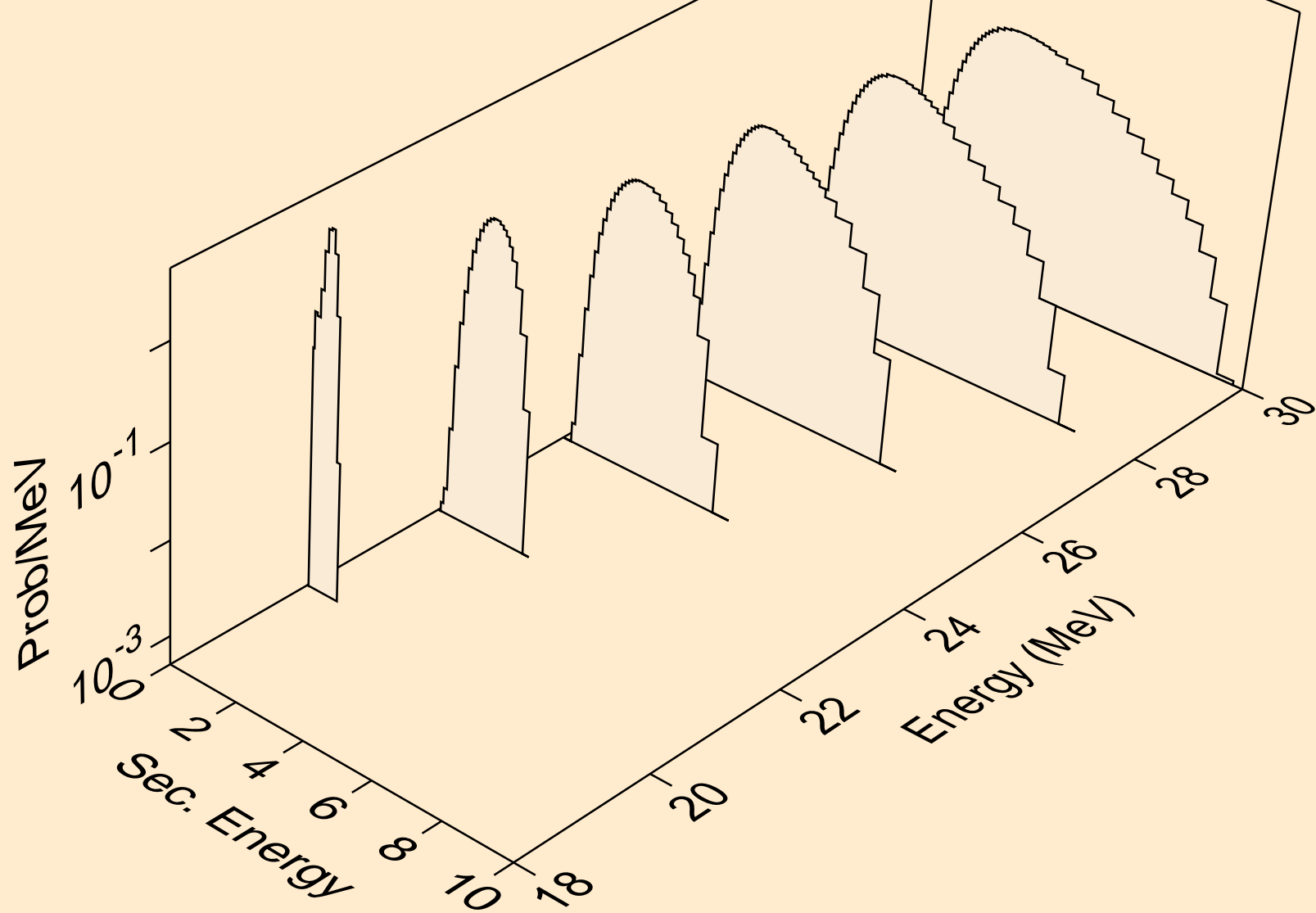
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



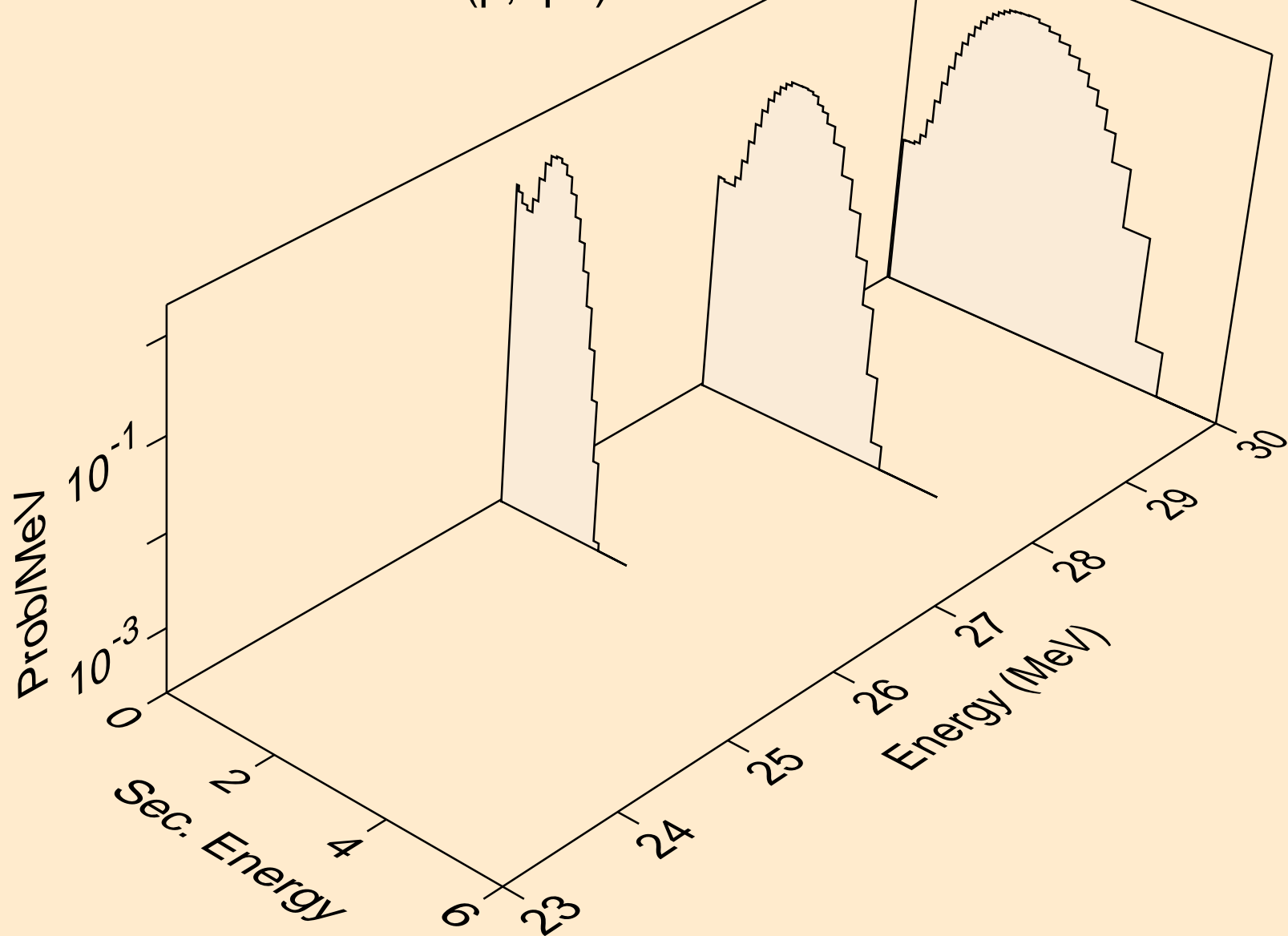
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,2np)



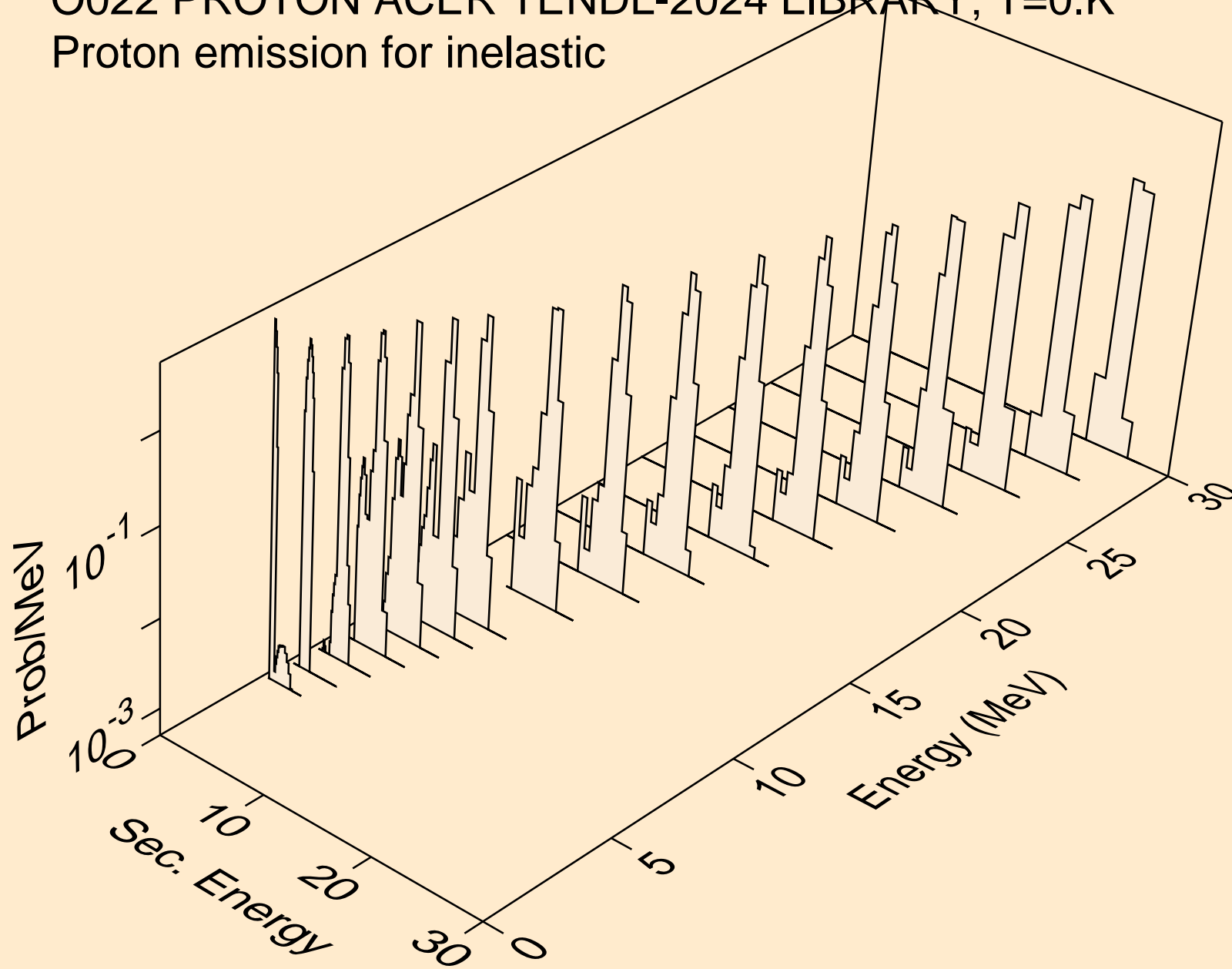
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,3np)



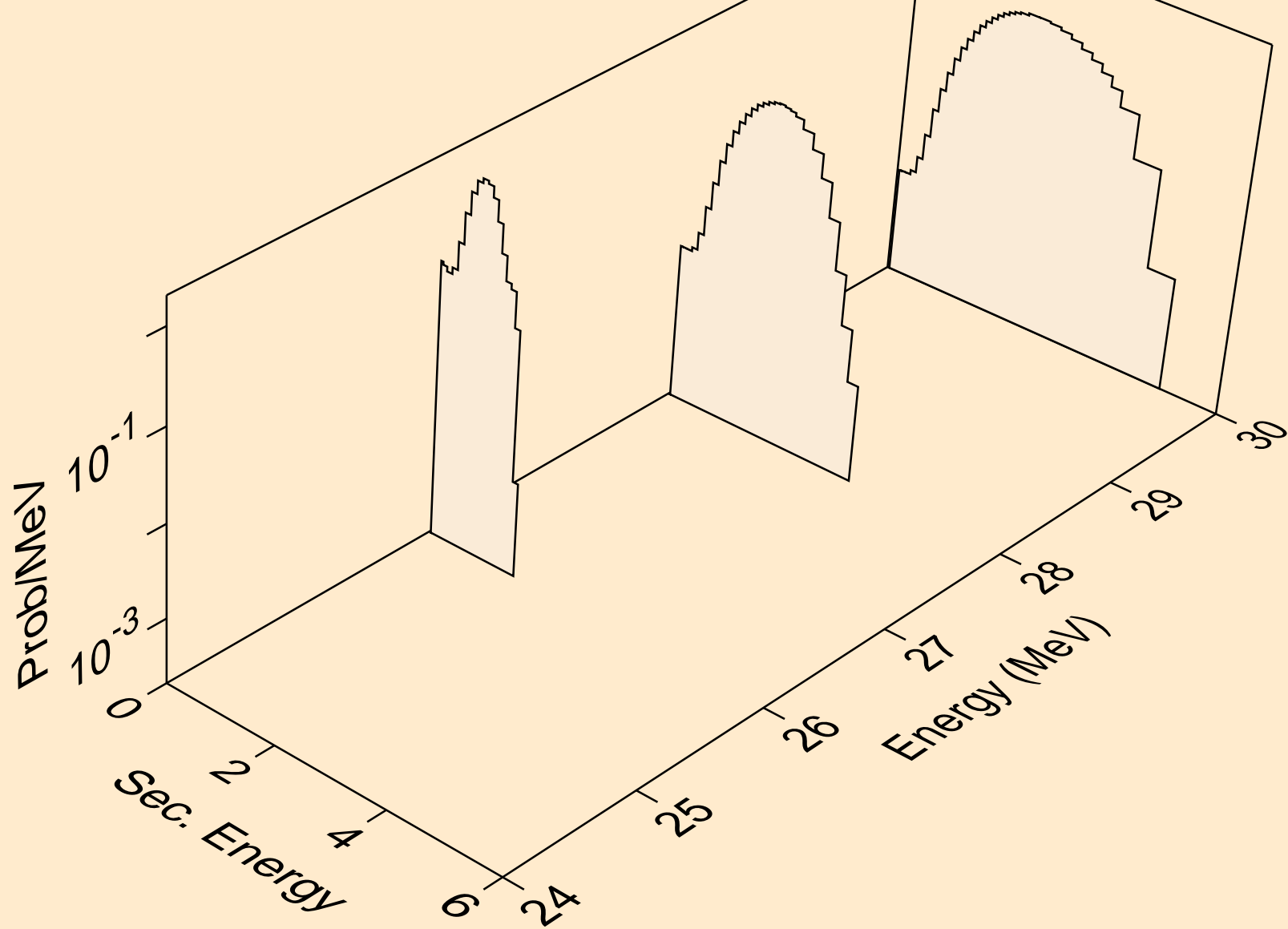
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,npa)



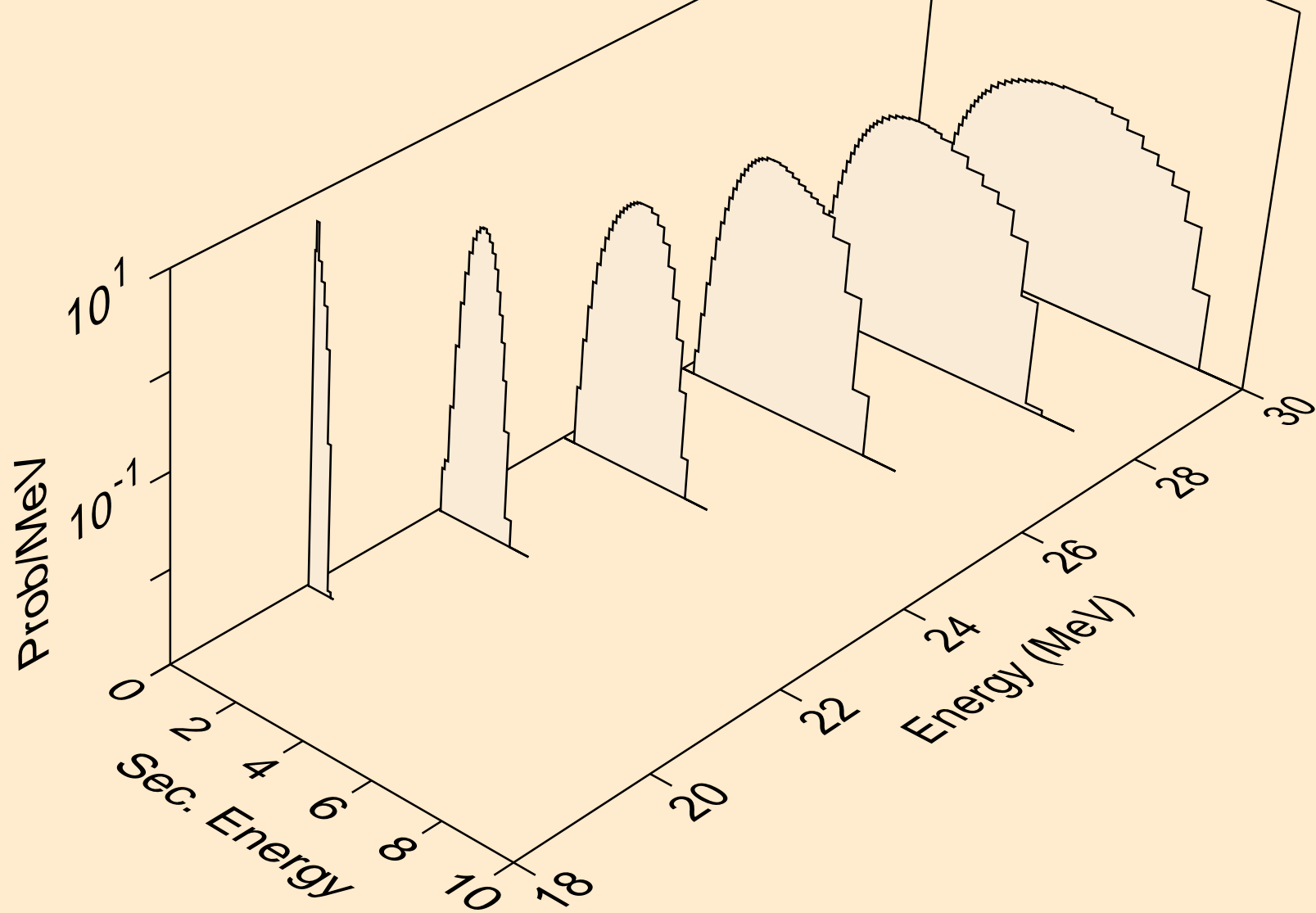
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for inelastic



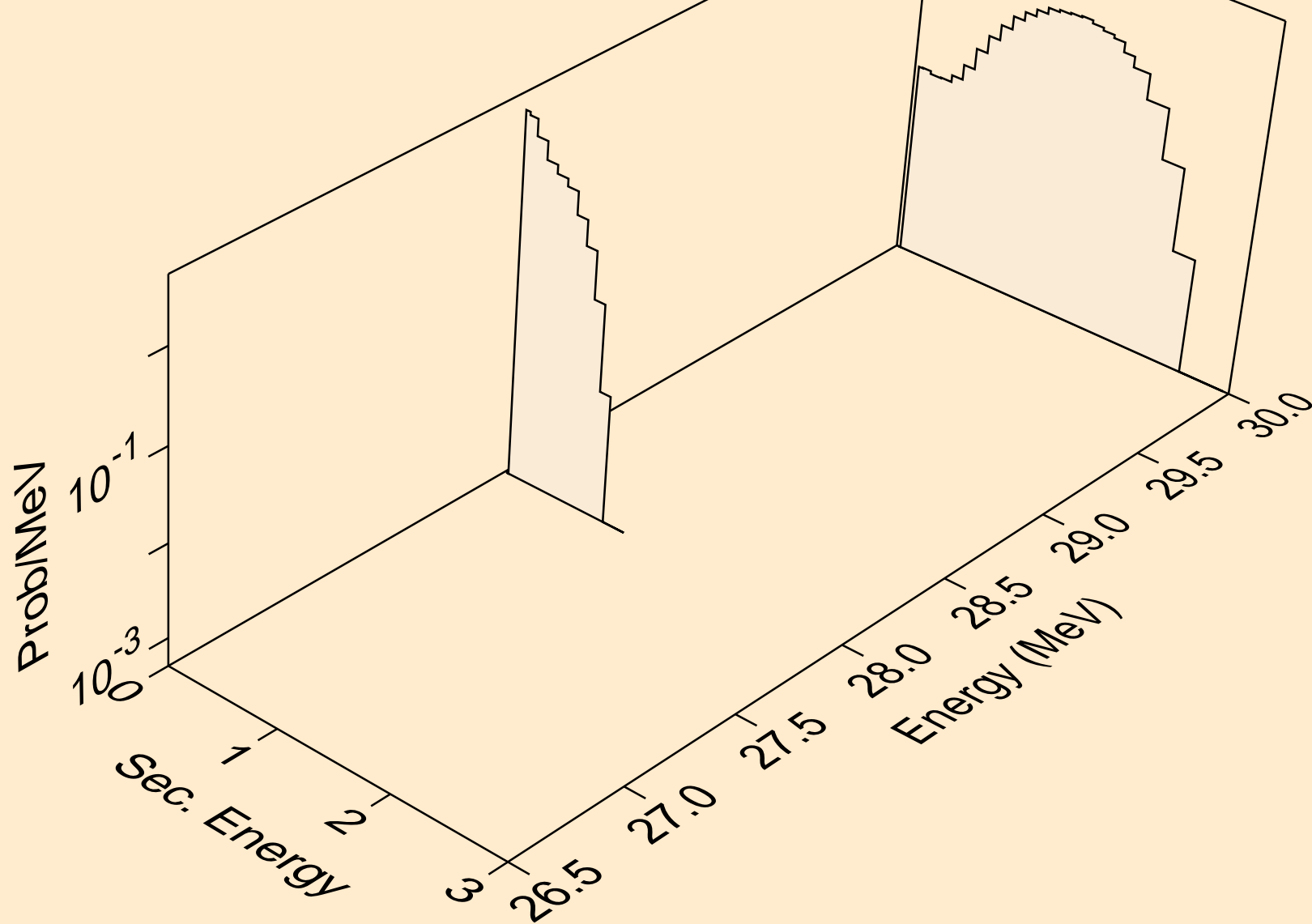
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,2p)



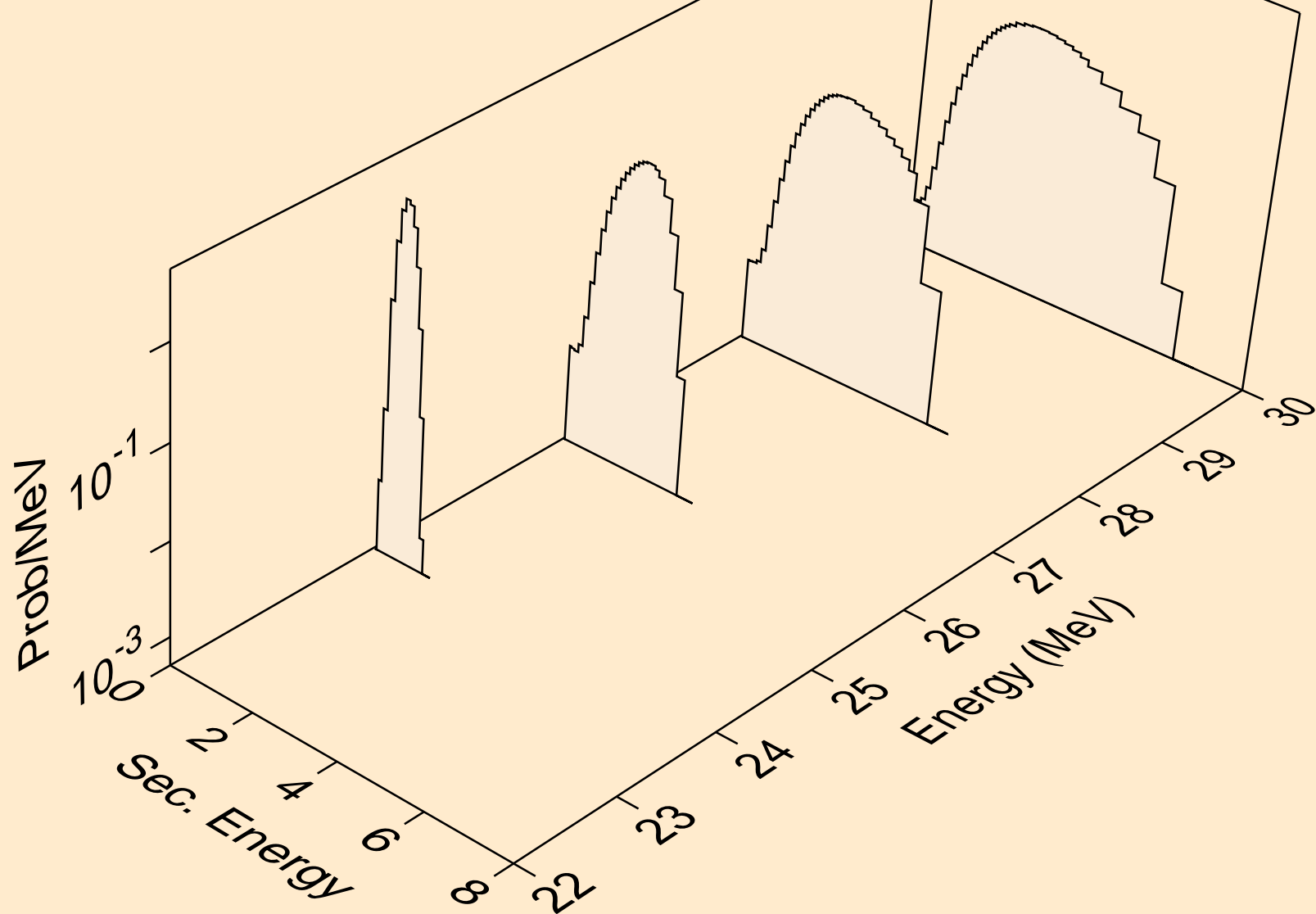
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,pa)



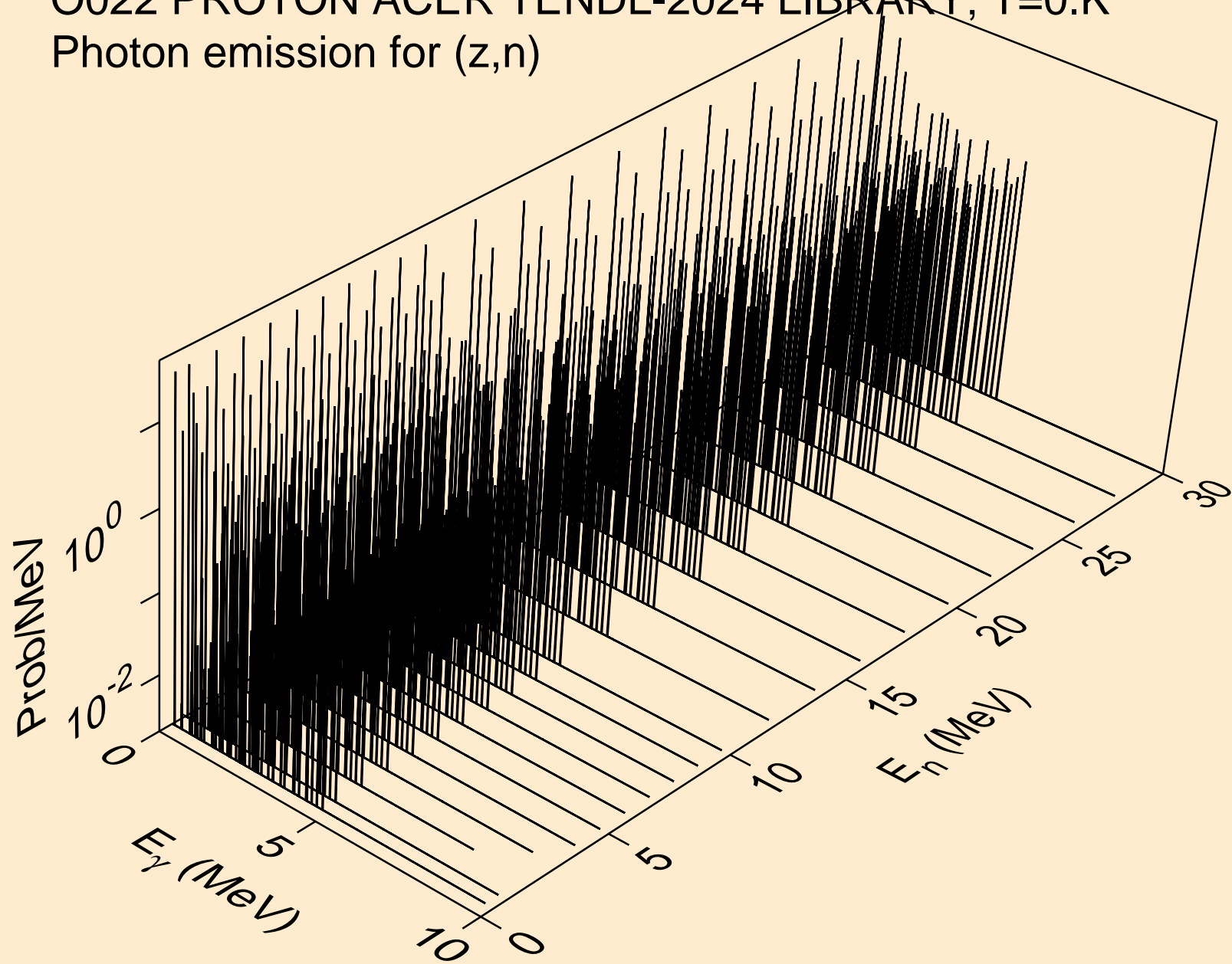
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,pd)



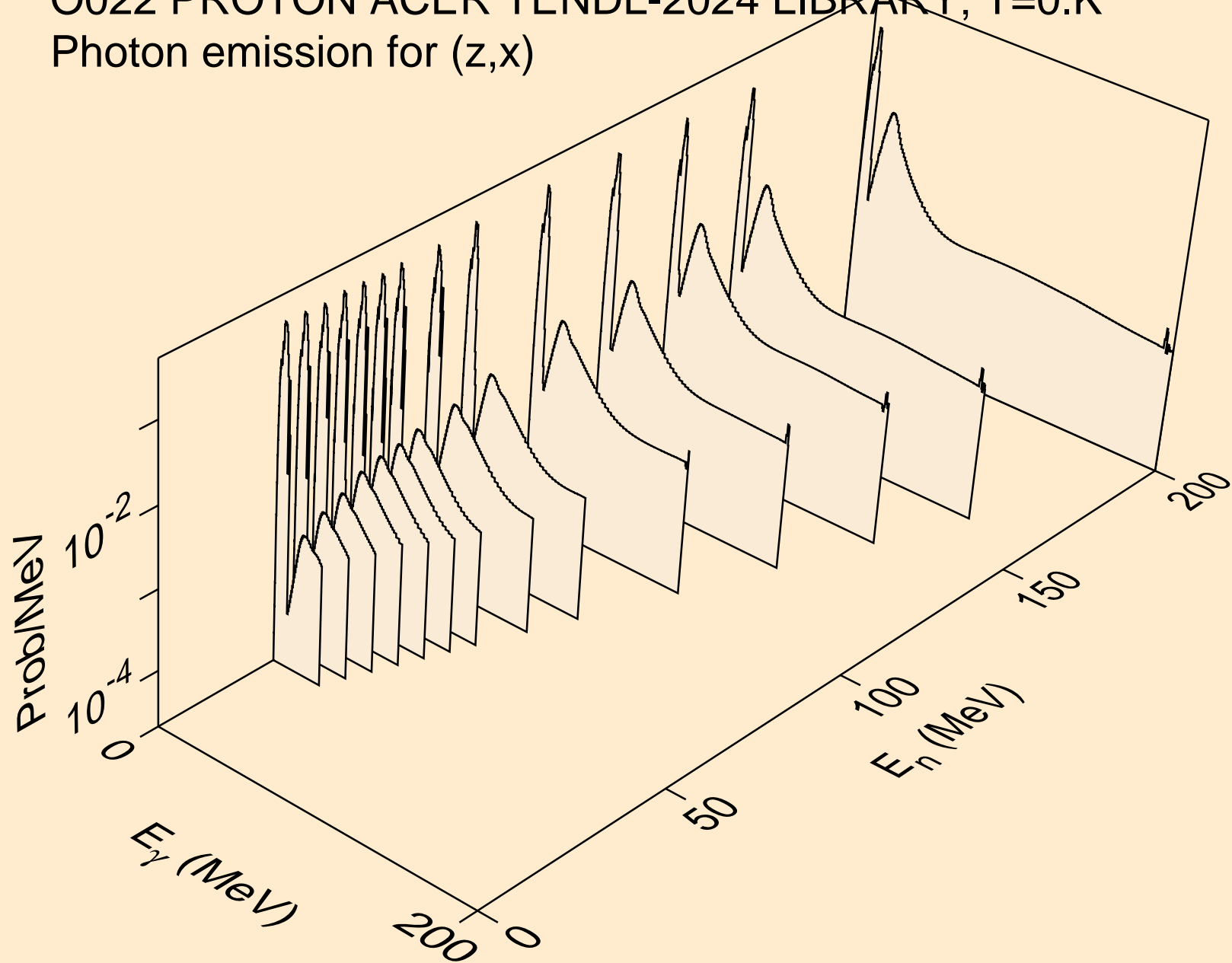
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,pt)



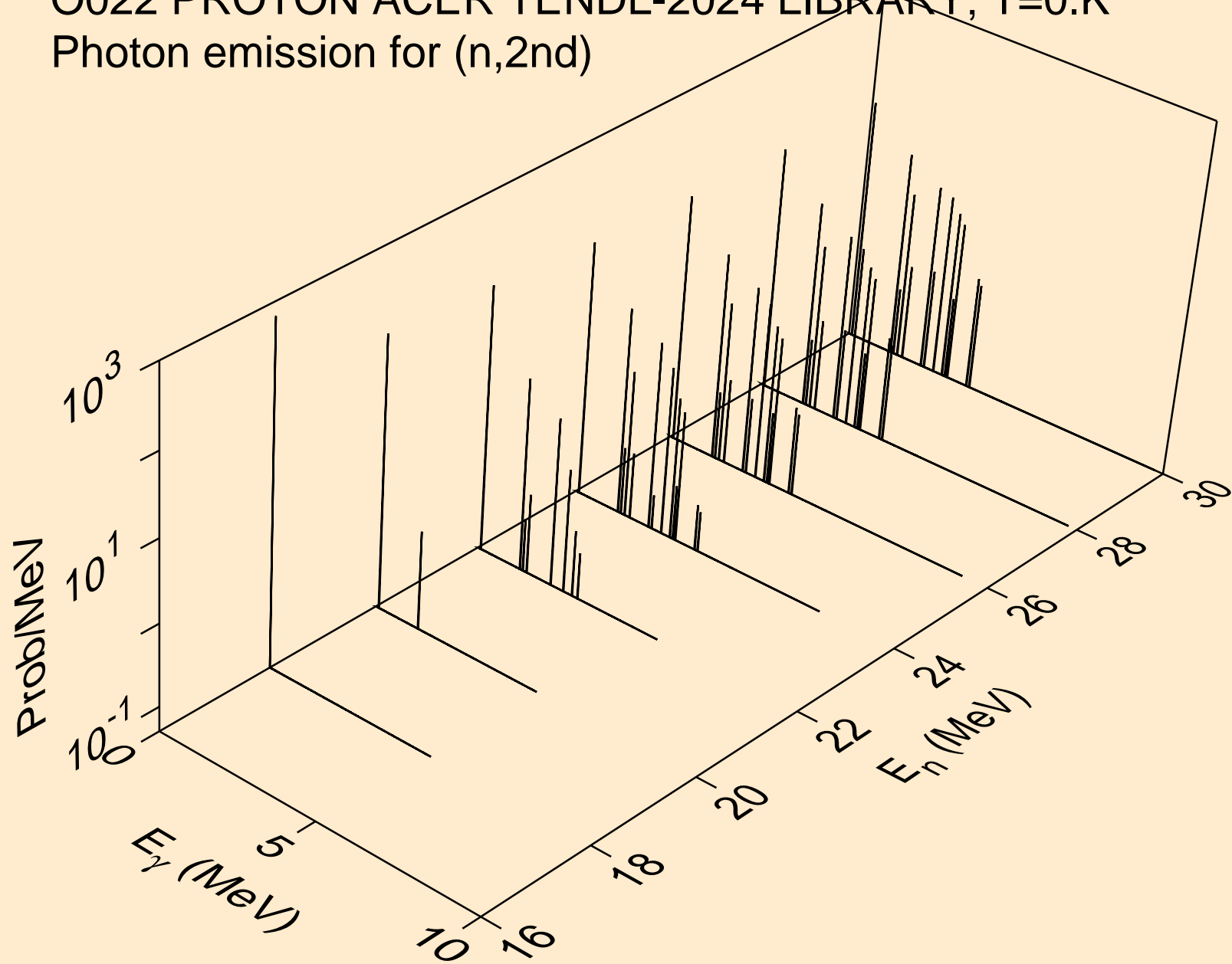
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,n)



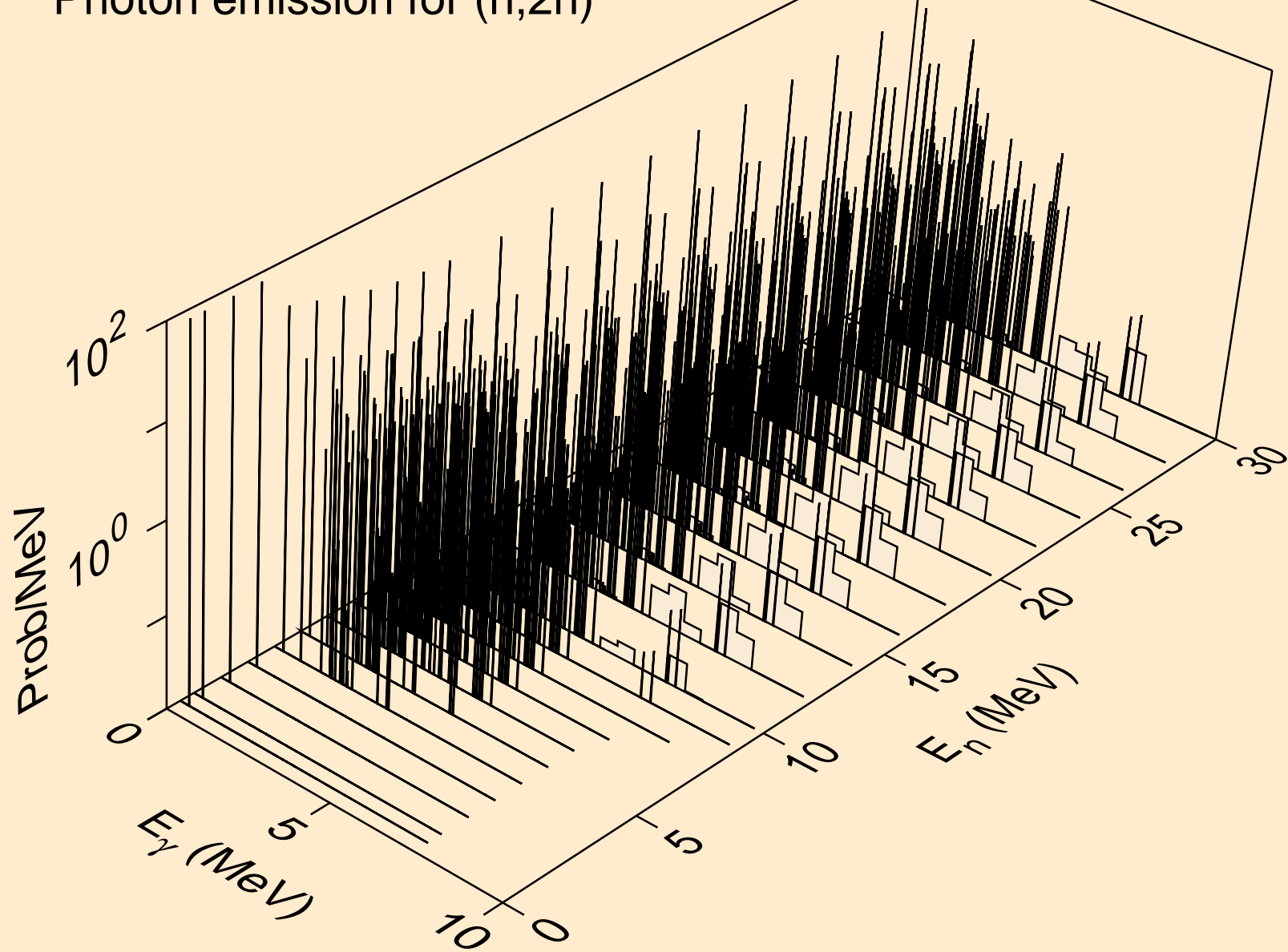
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,x)



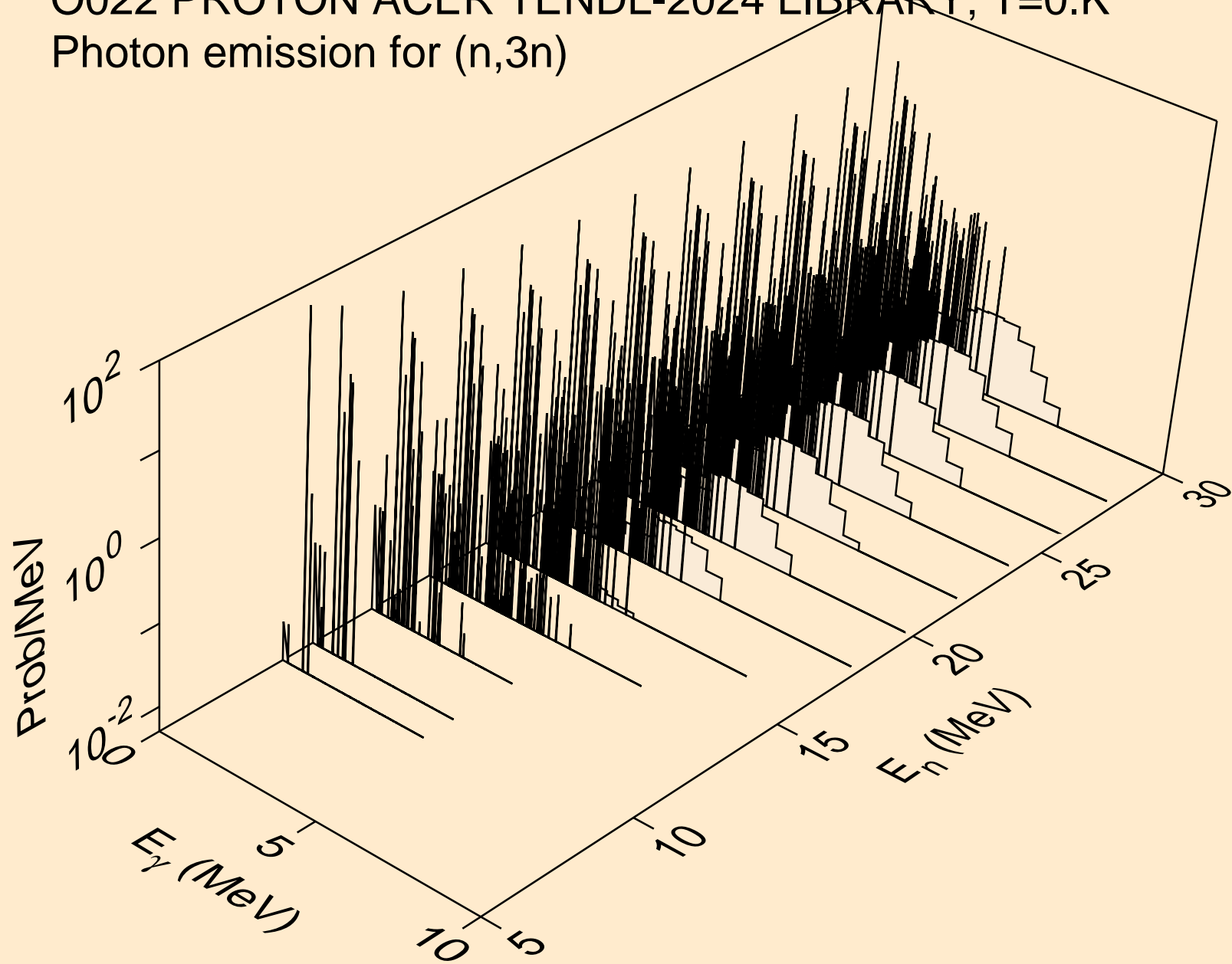
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



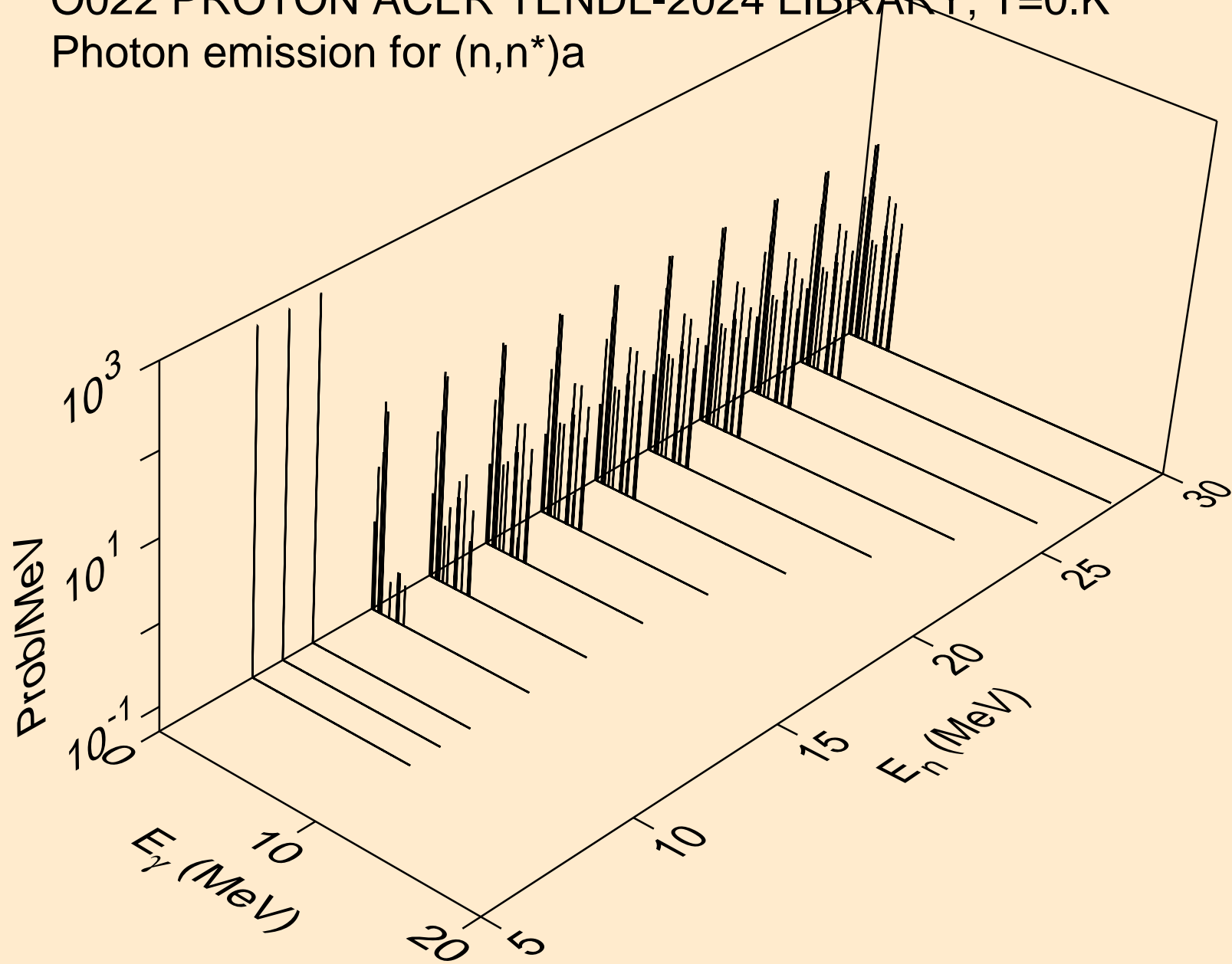
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



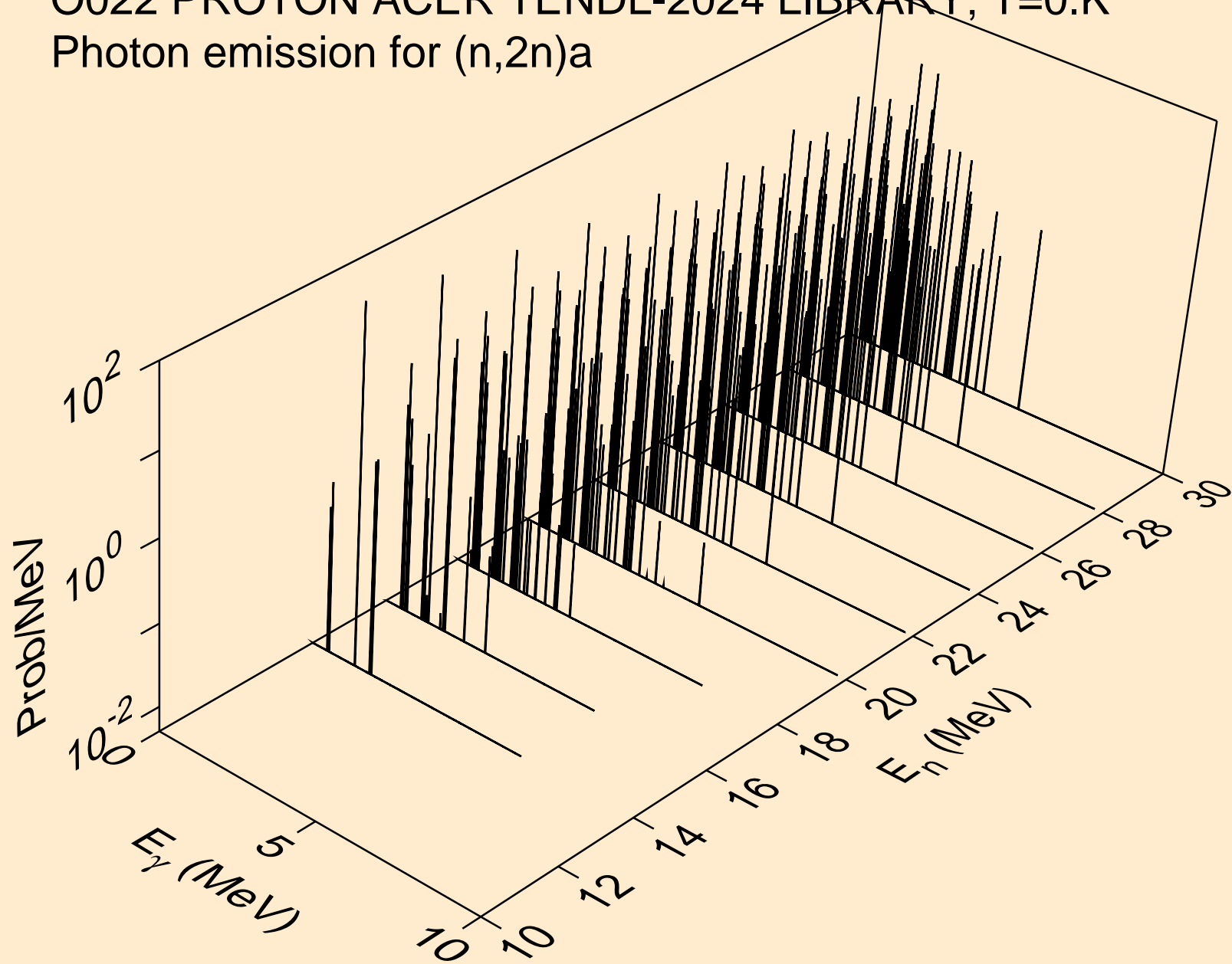
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



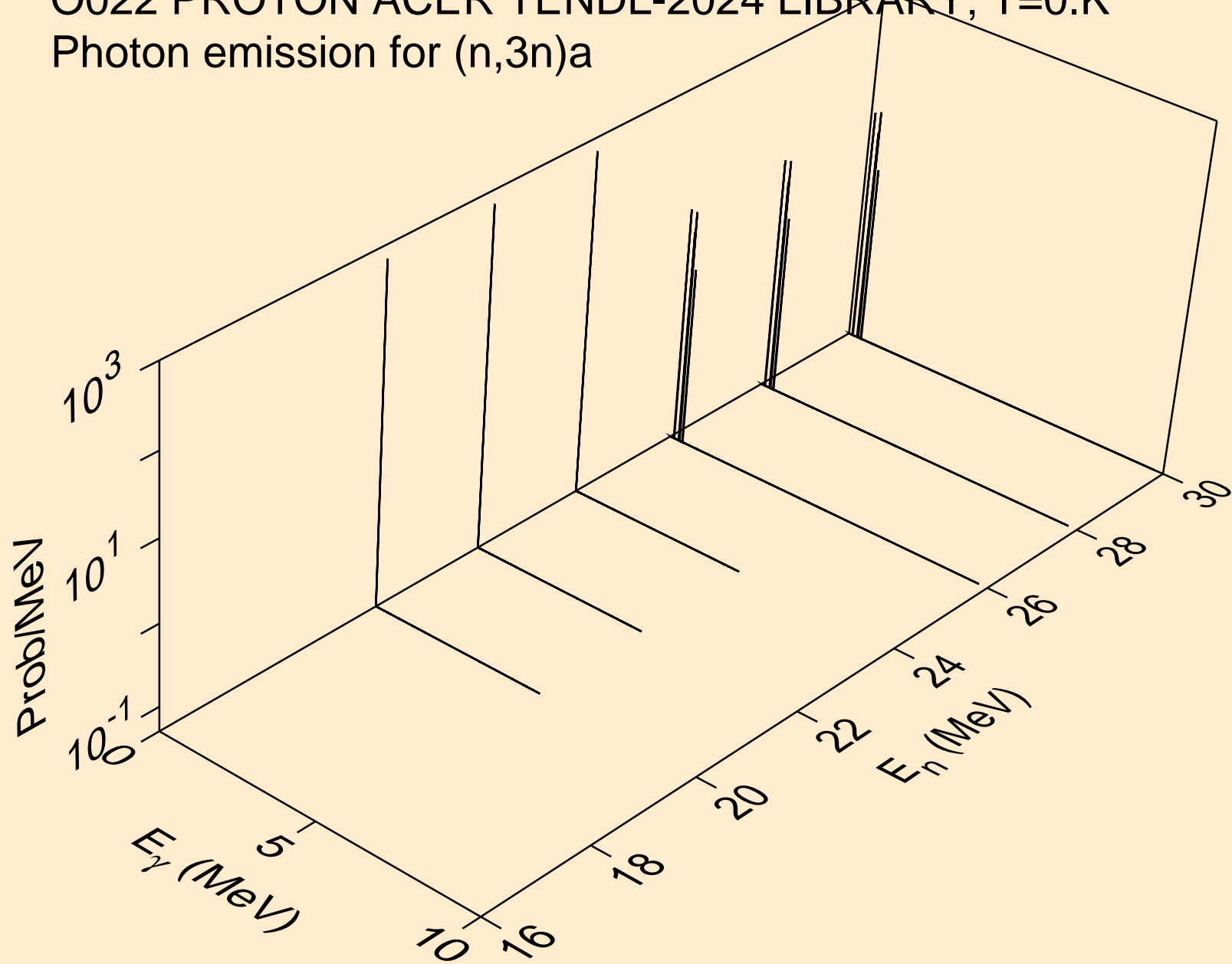
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



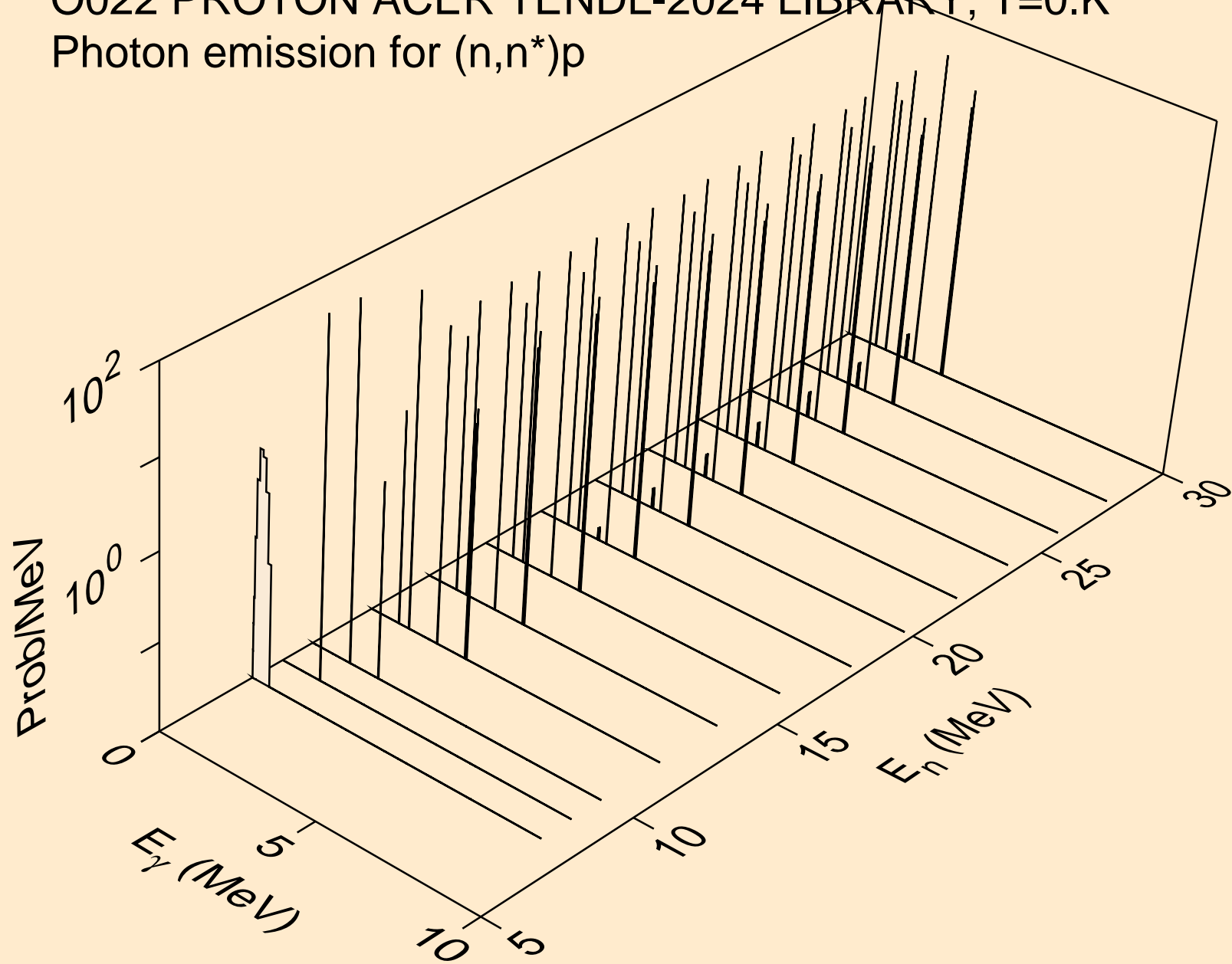
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



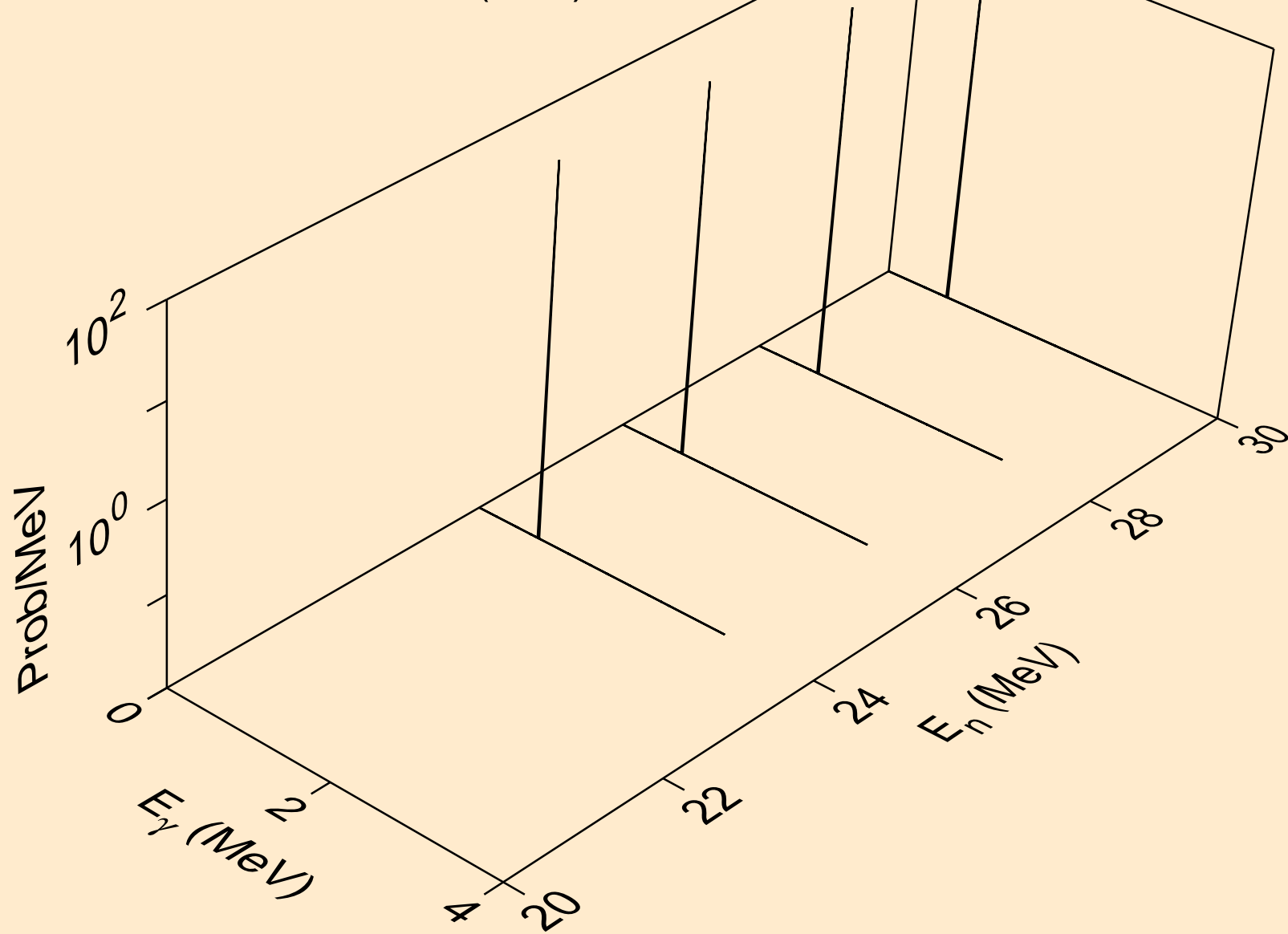
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



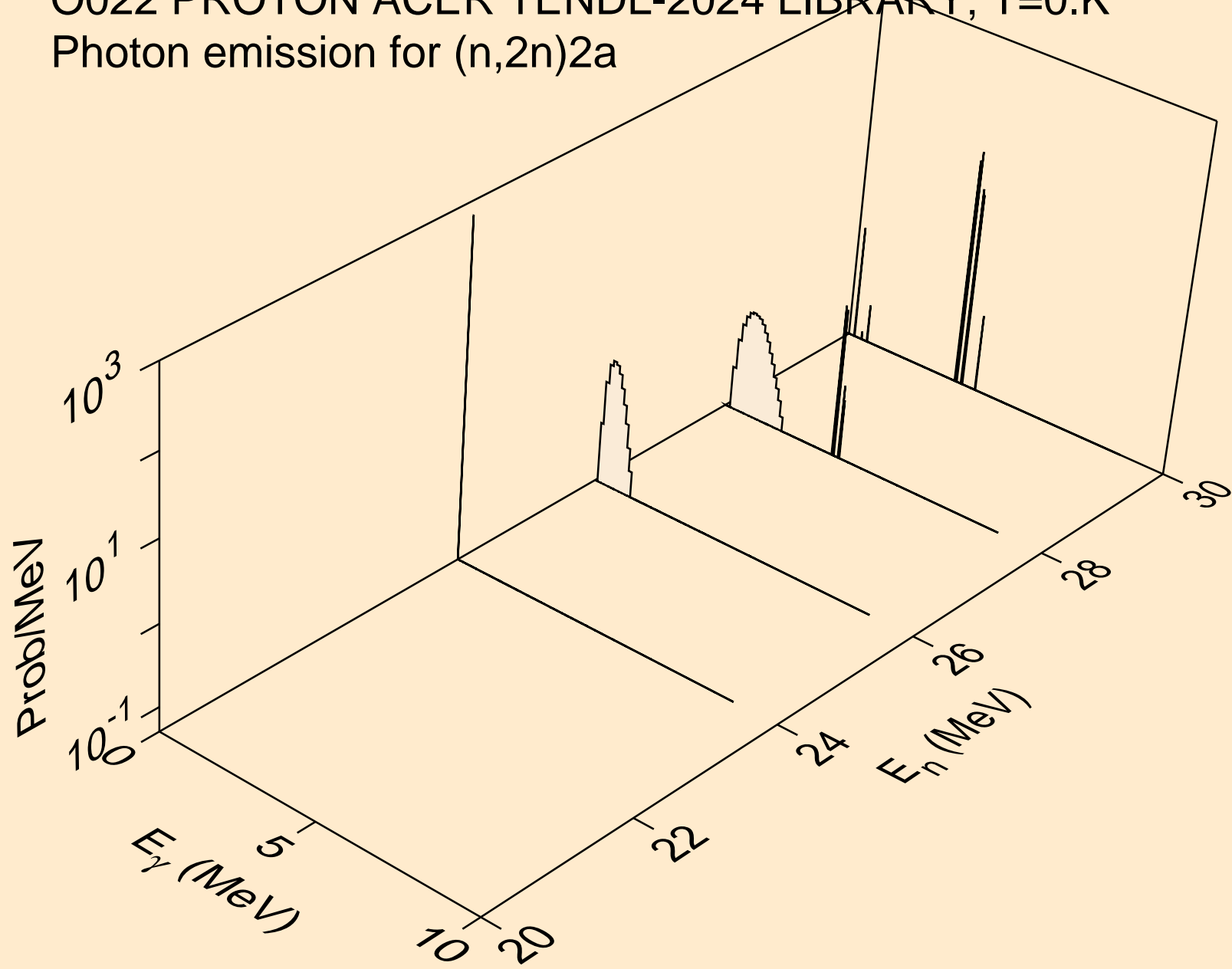
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



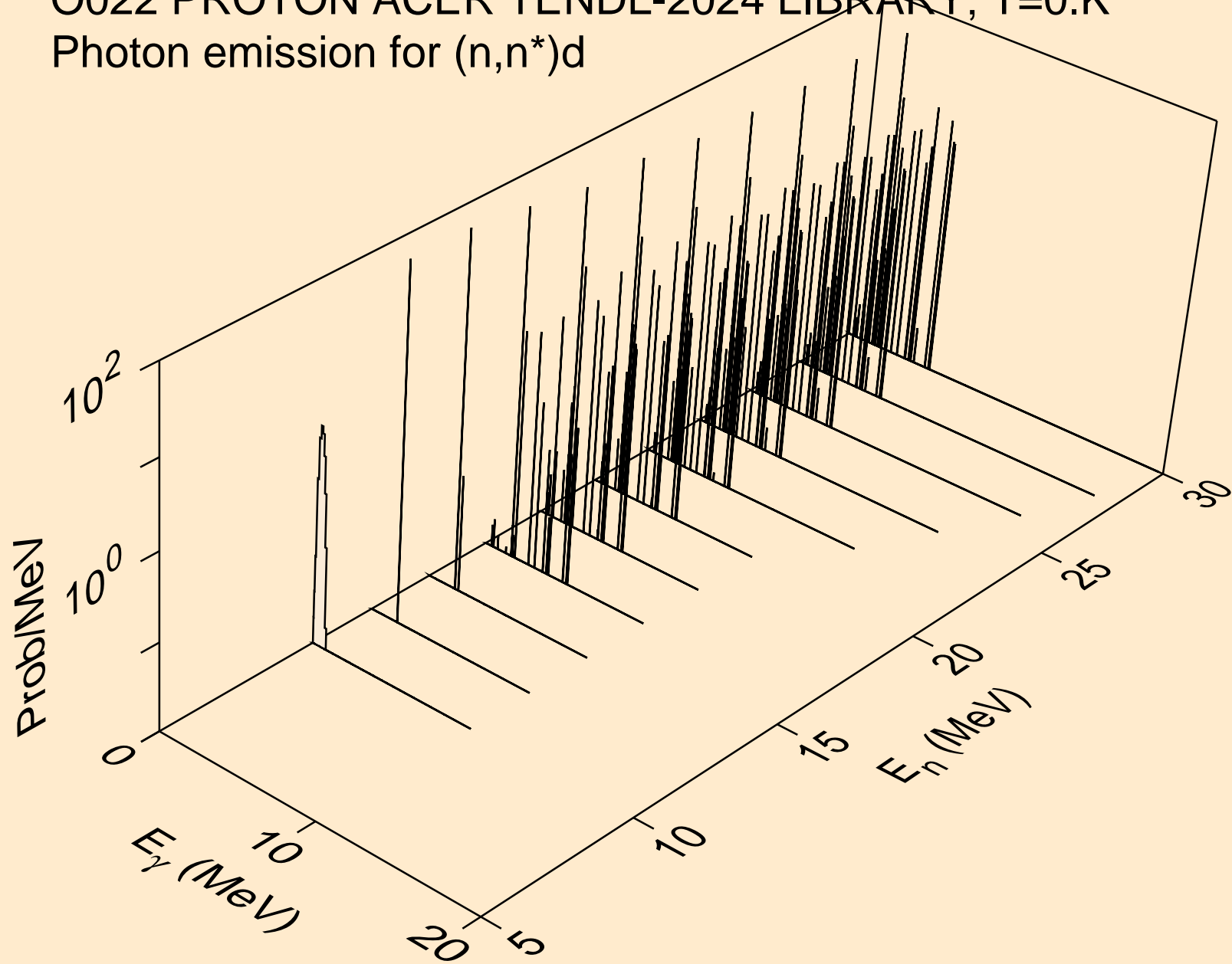
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



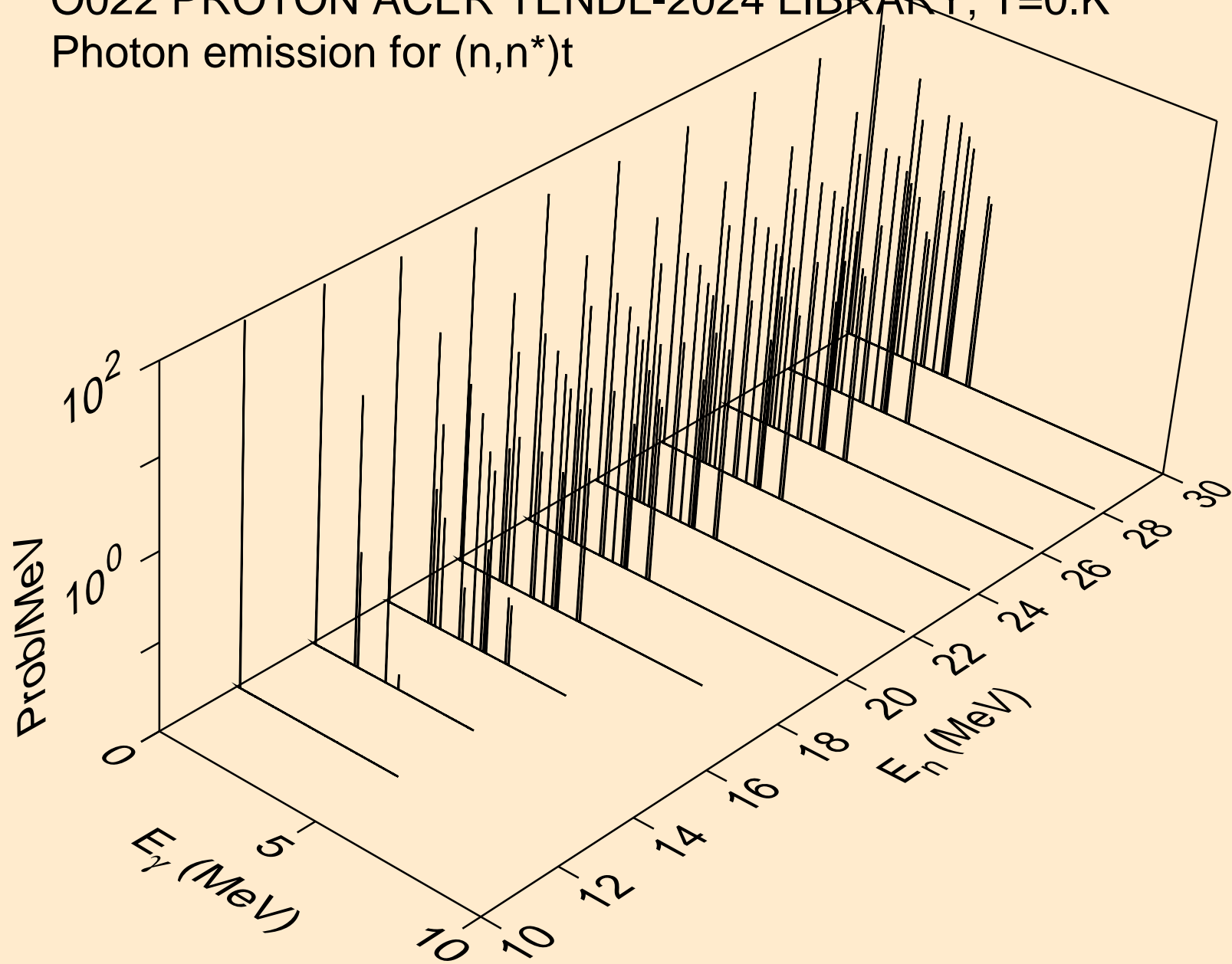
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



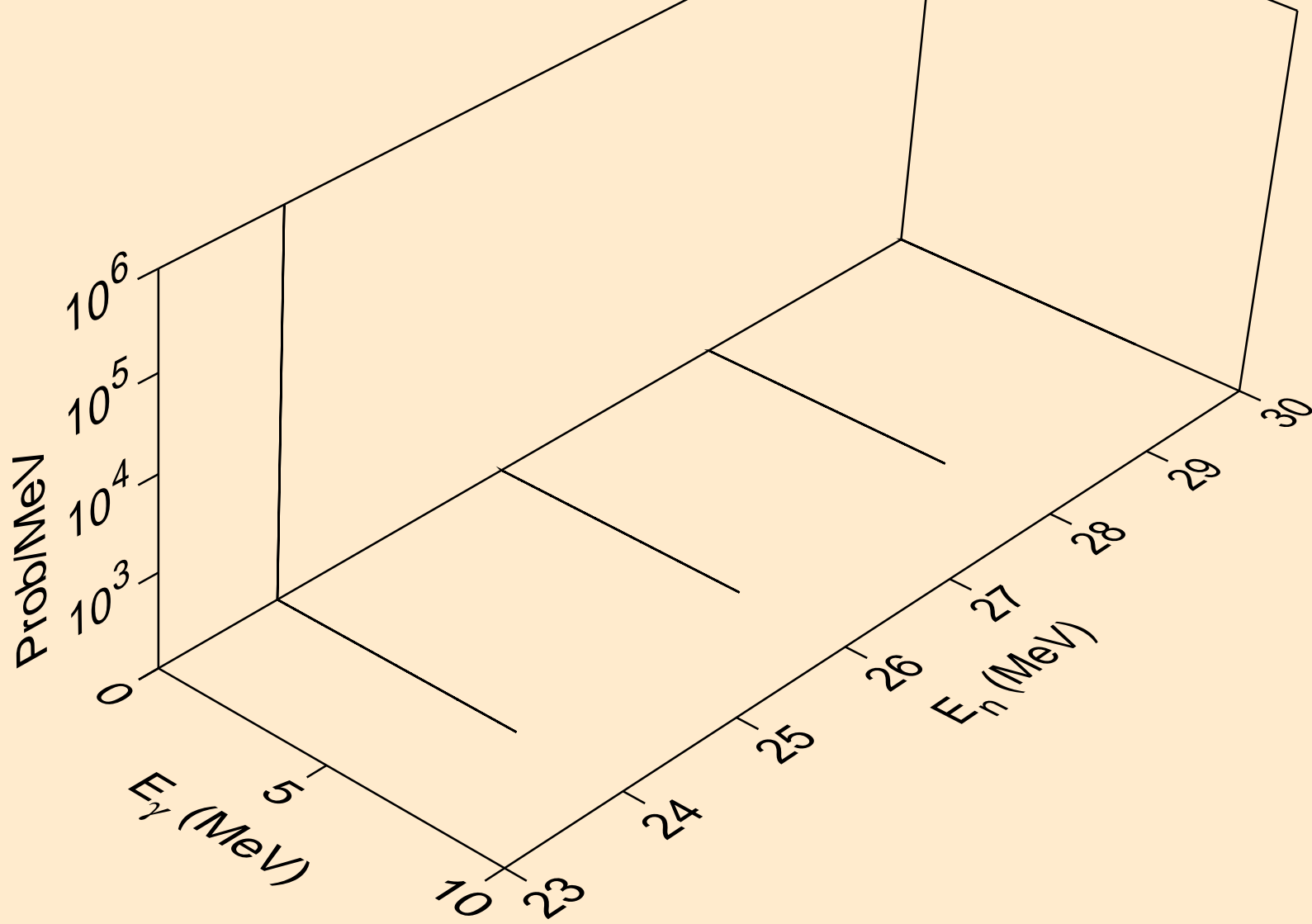
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



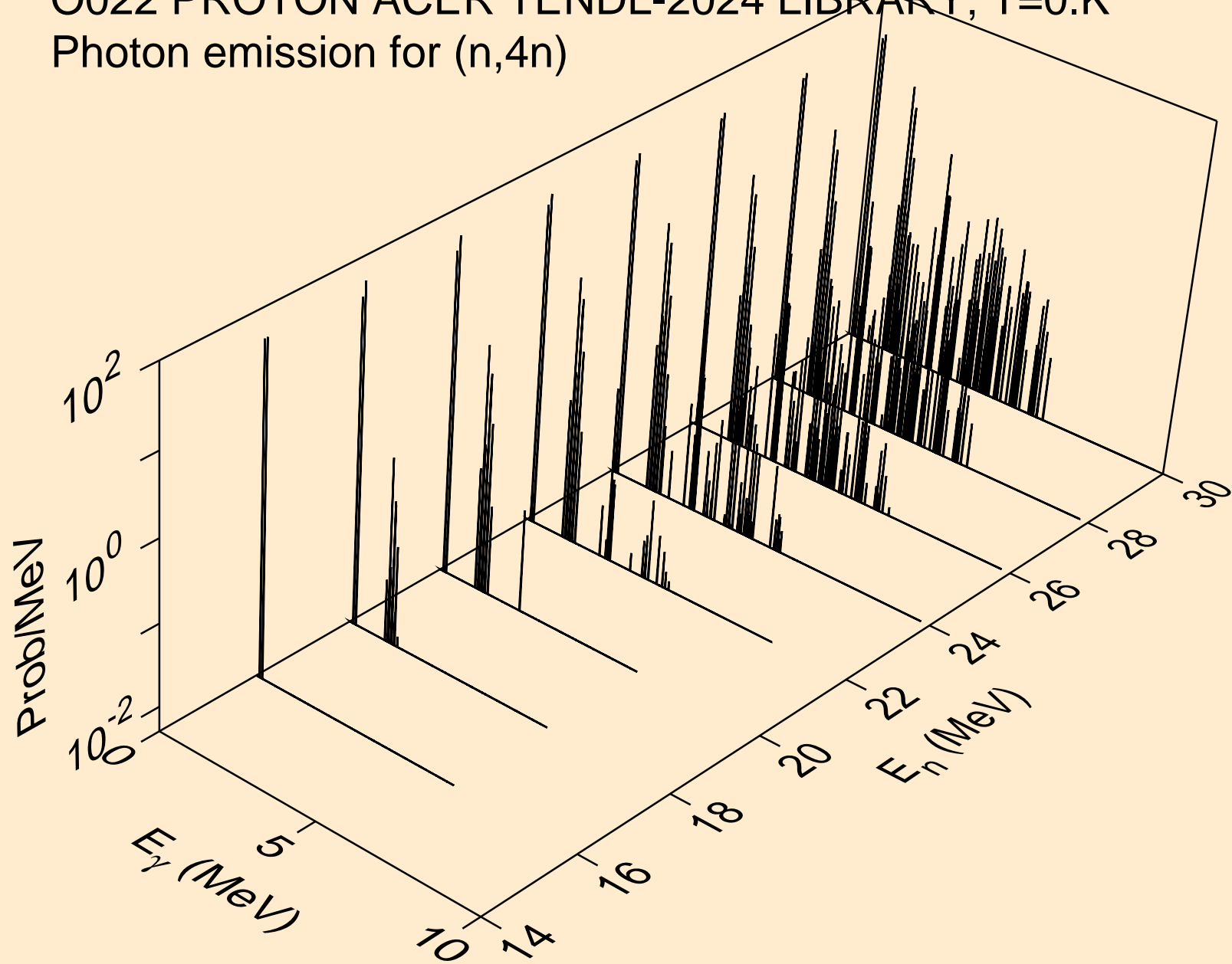
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



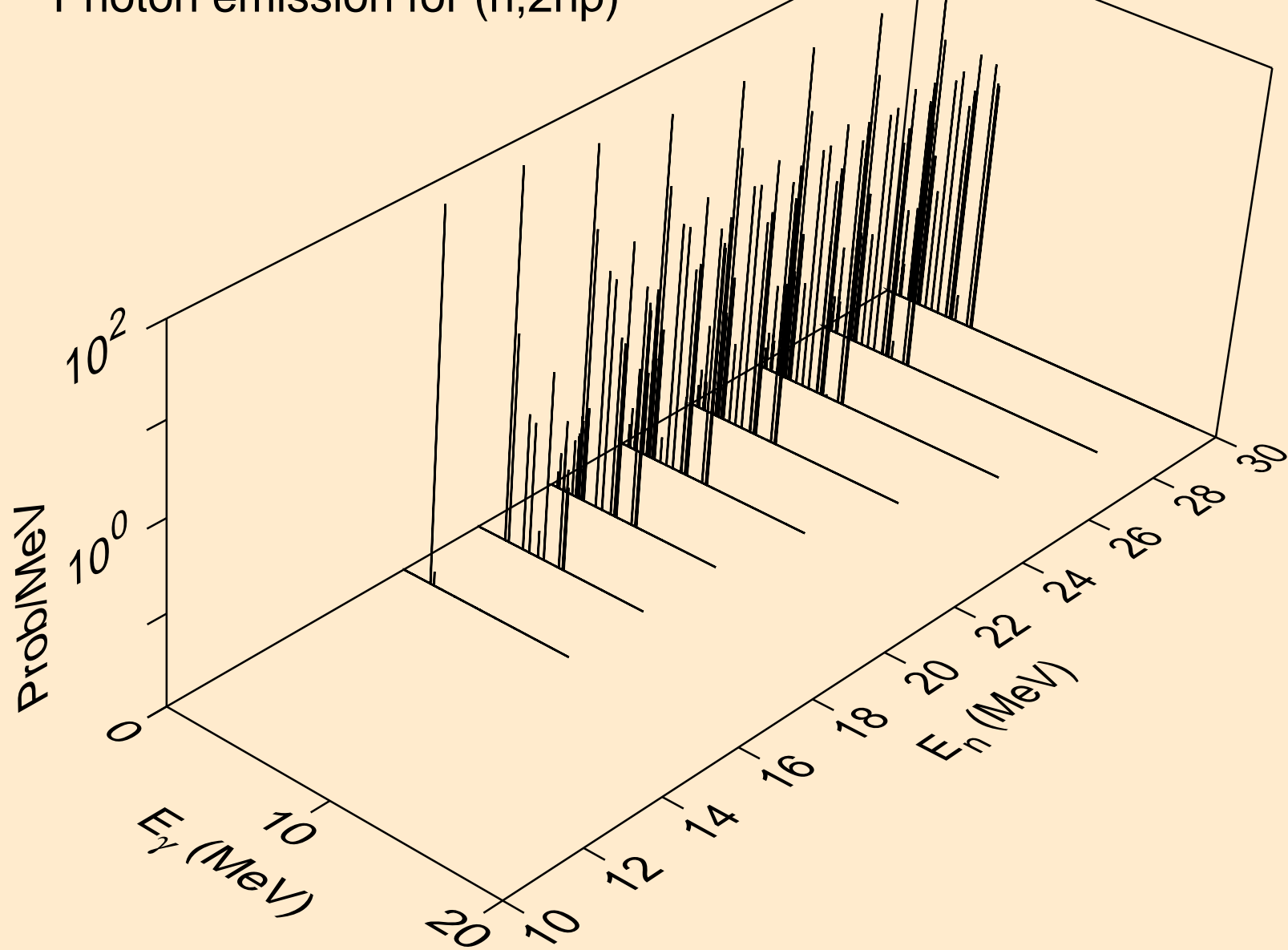
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



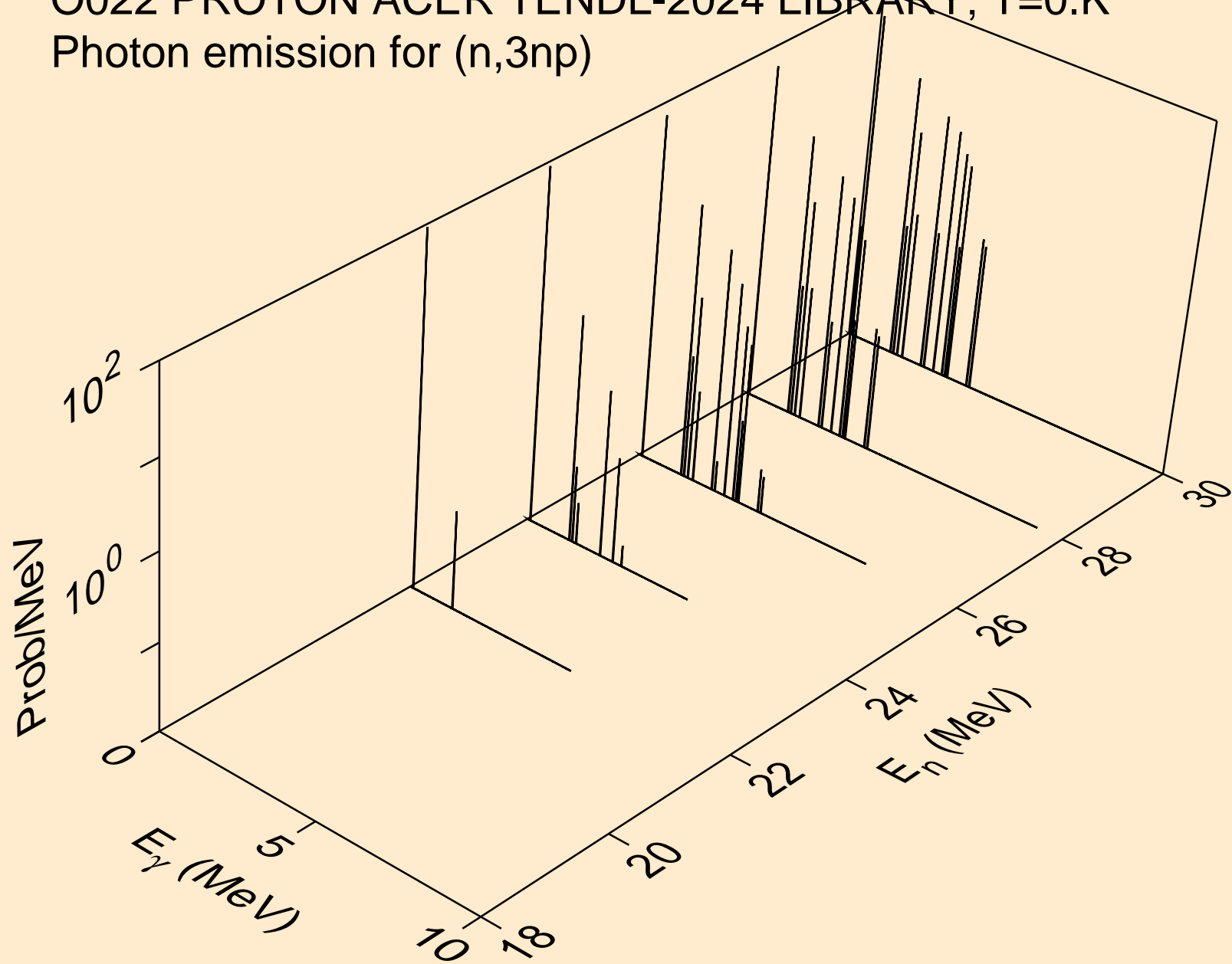
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



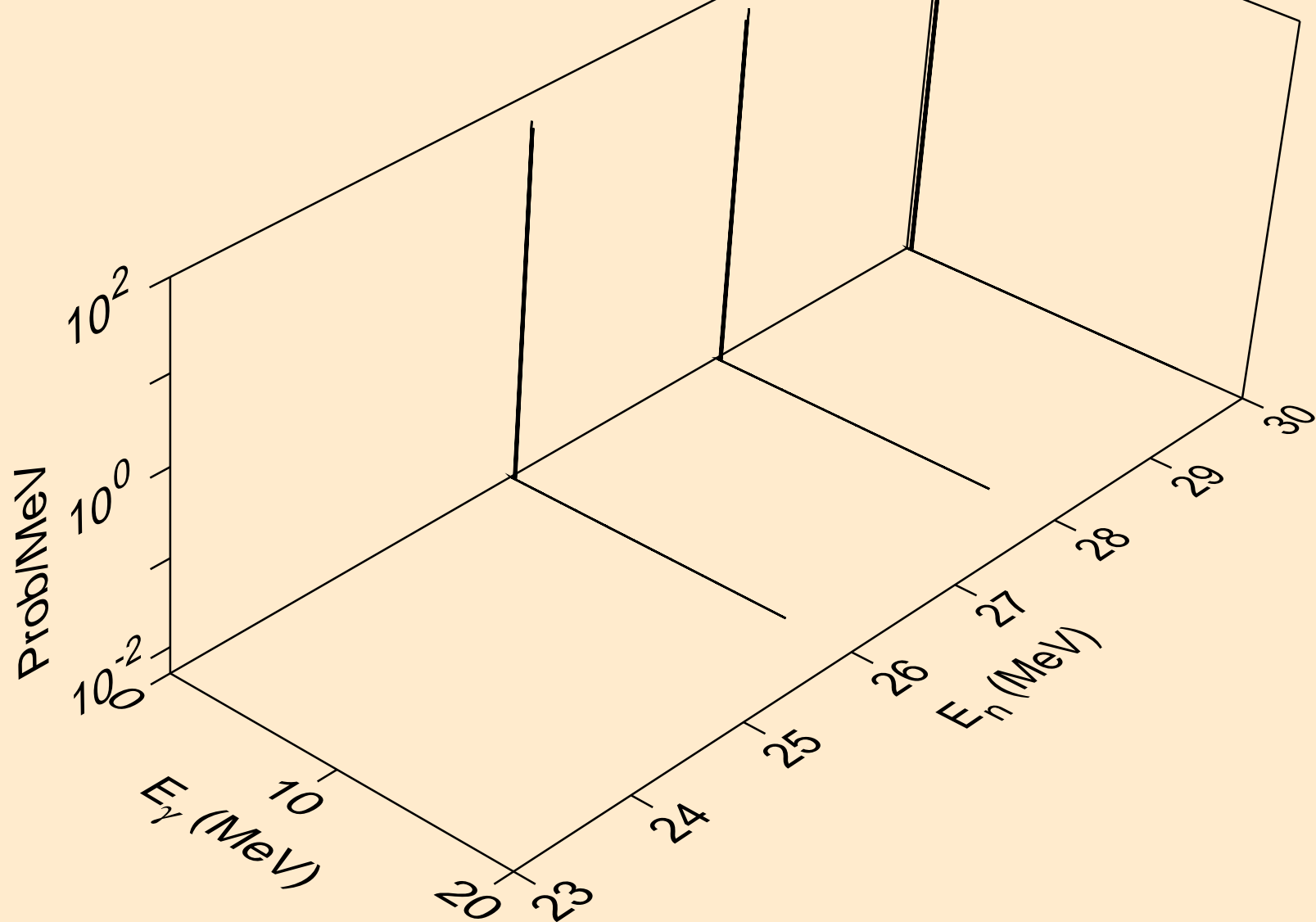
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



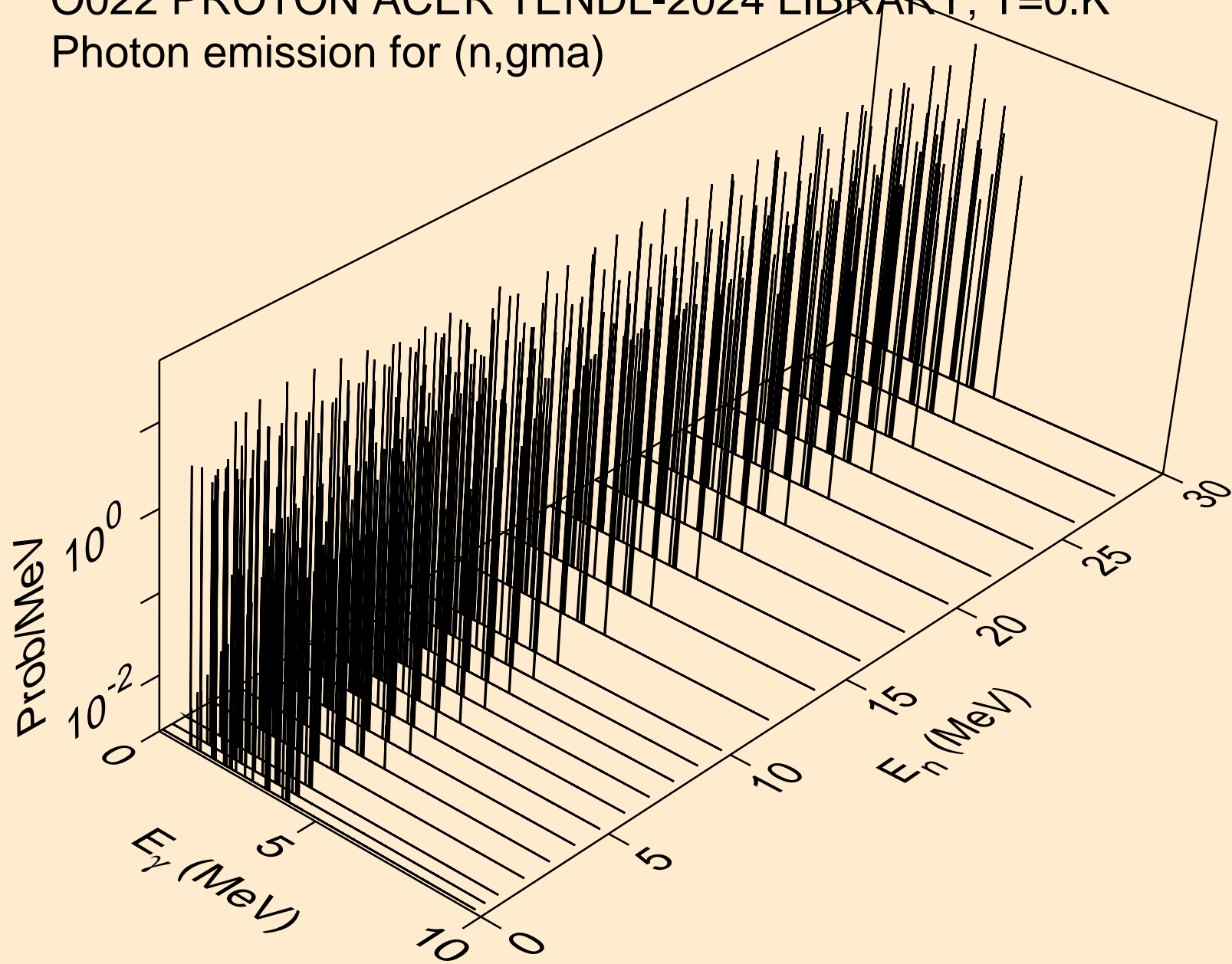
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



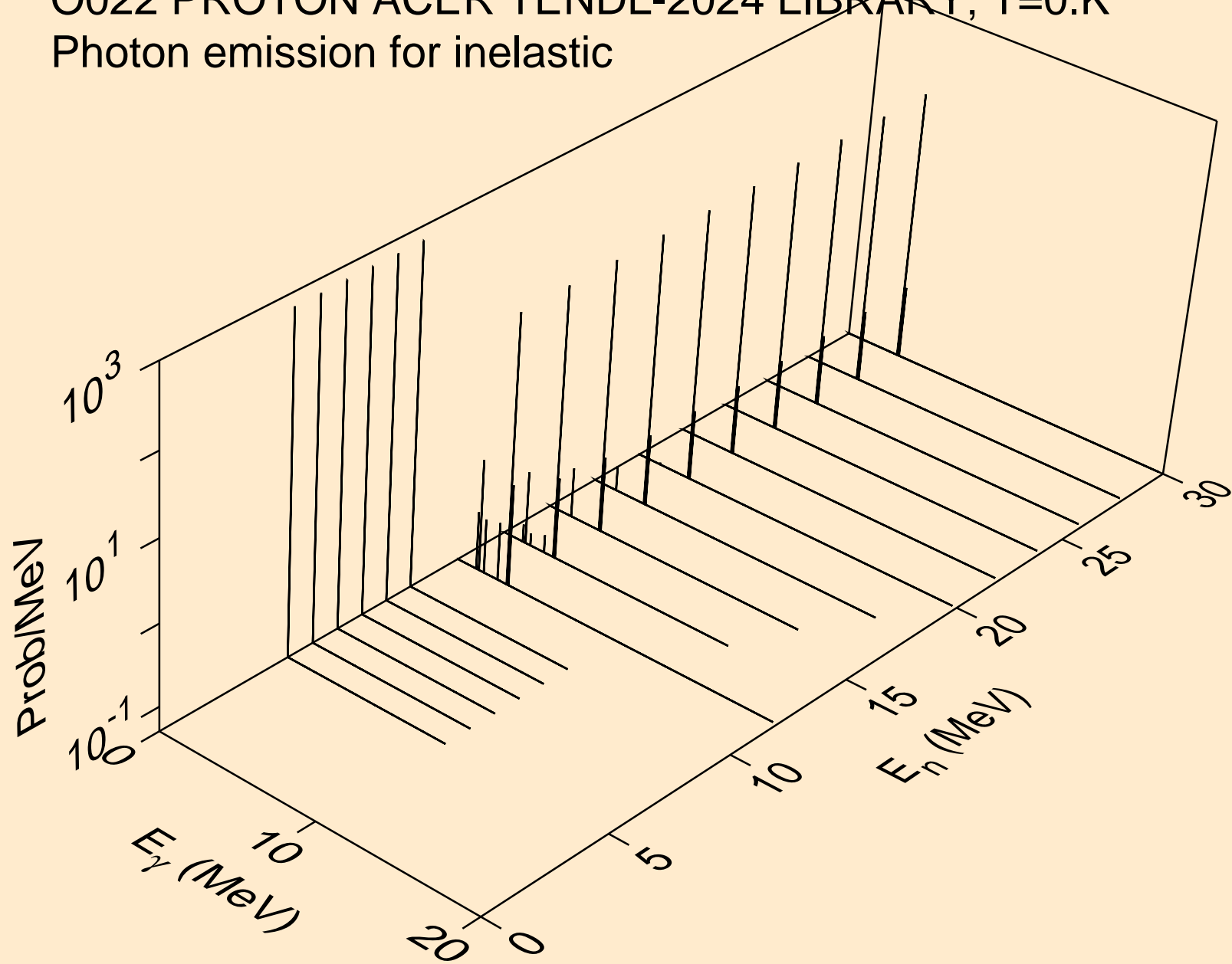
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



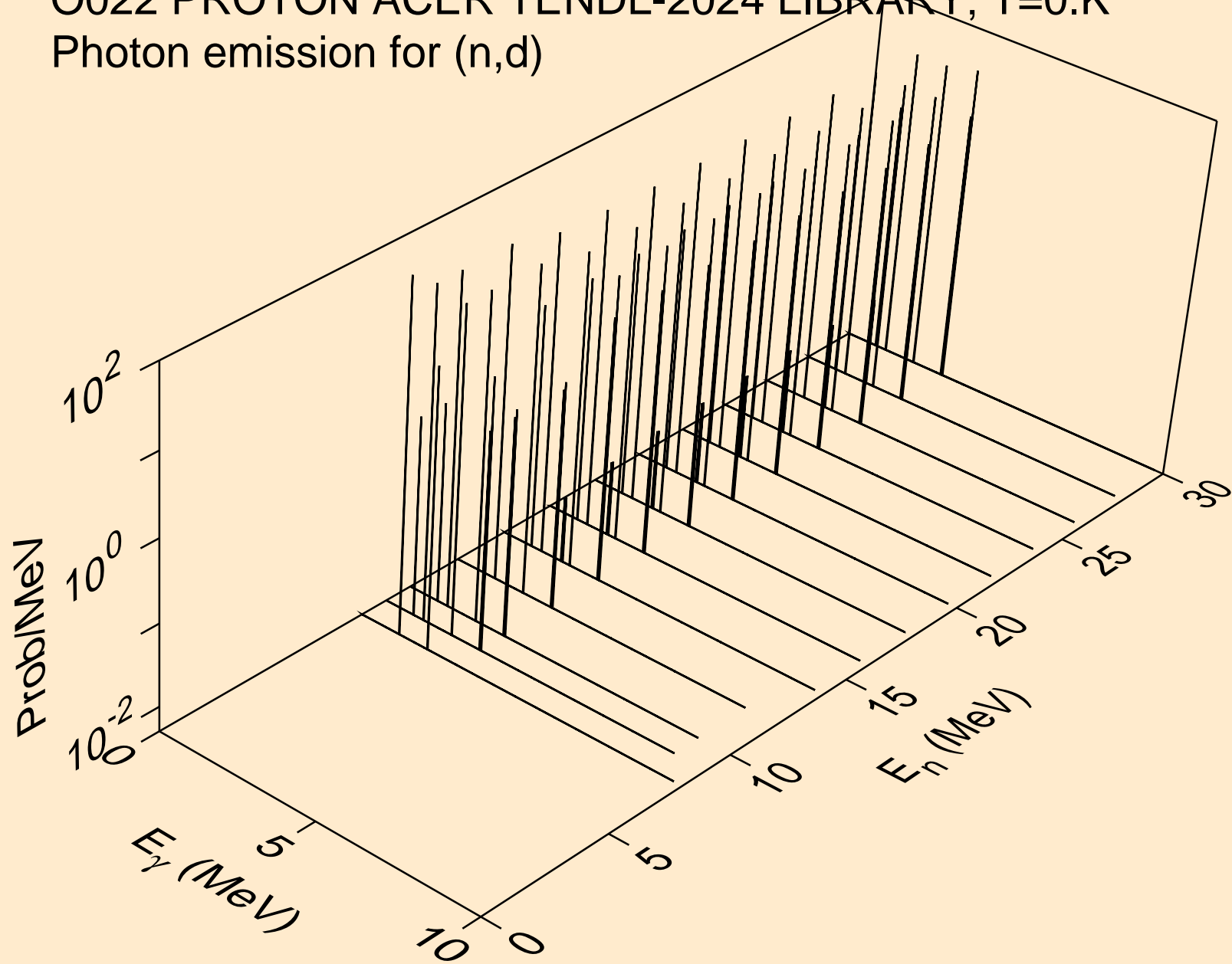
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



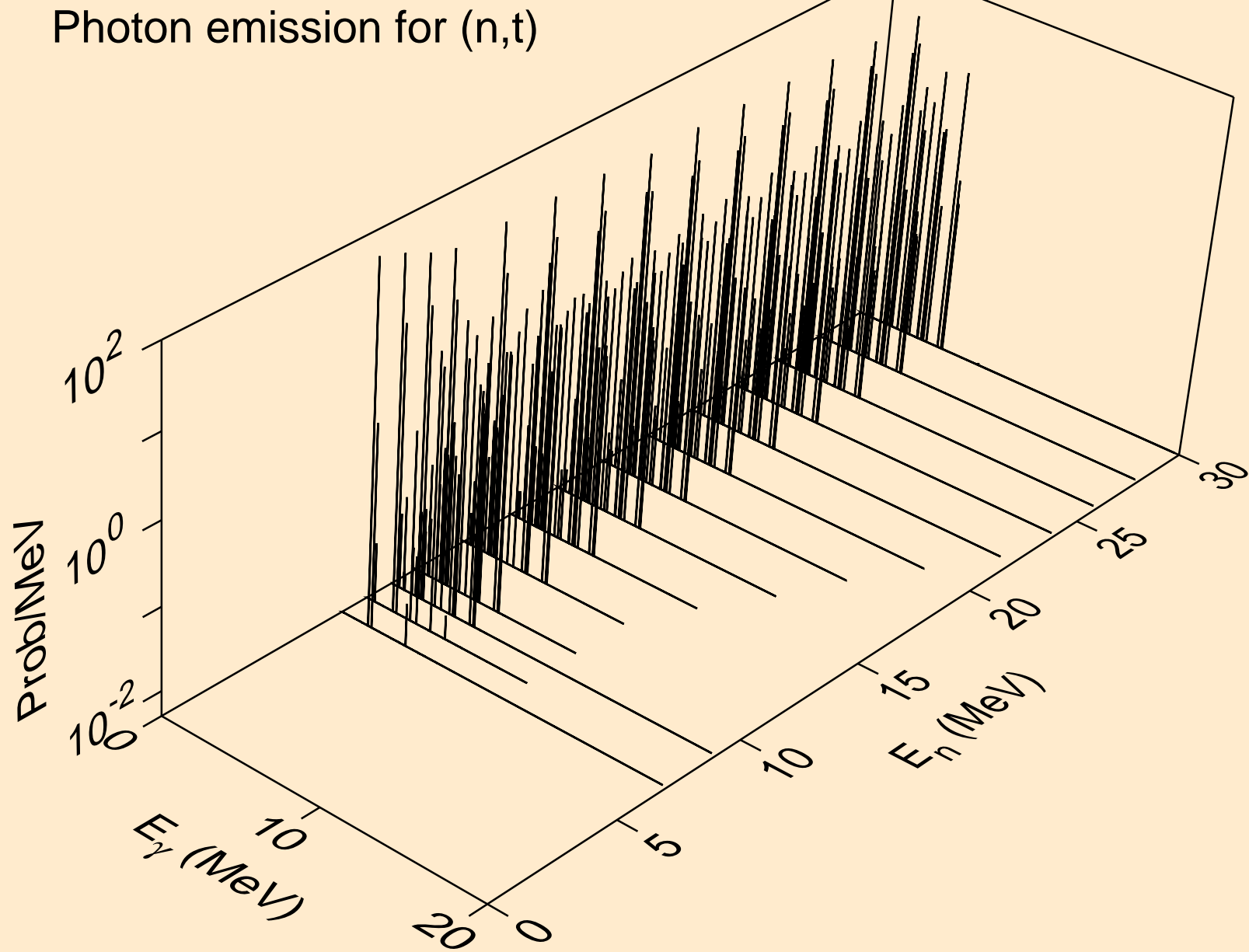
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for inelastic



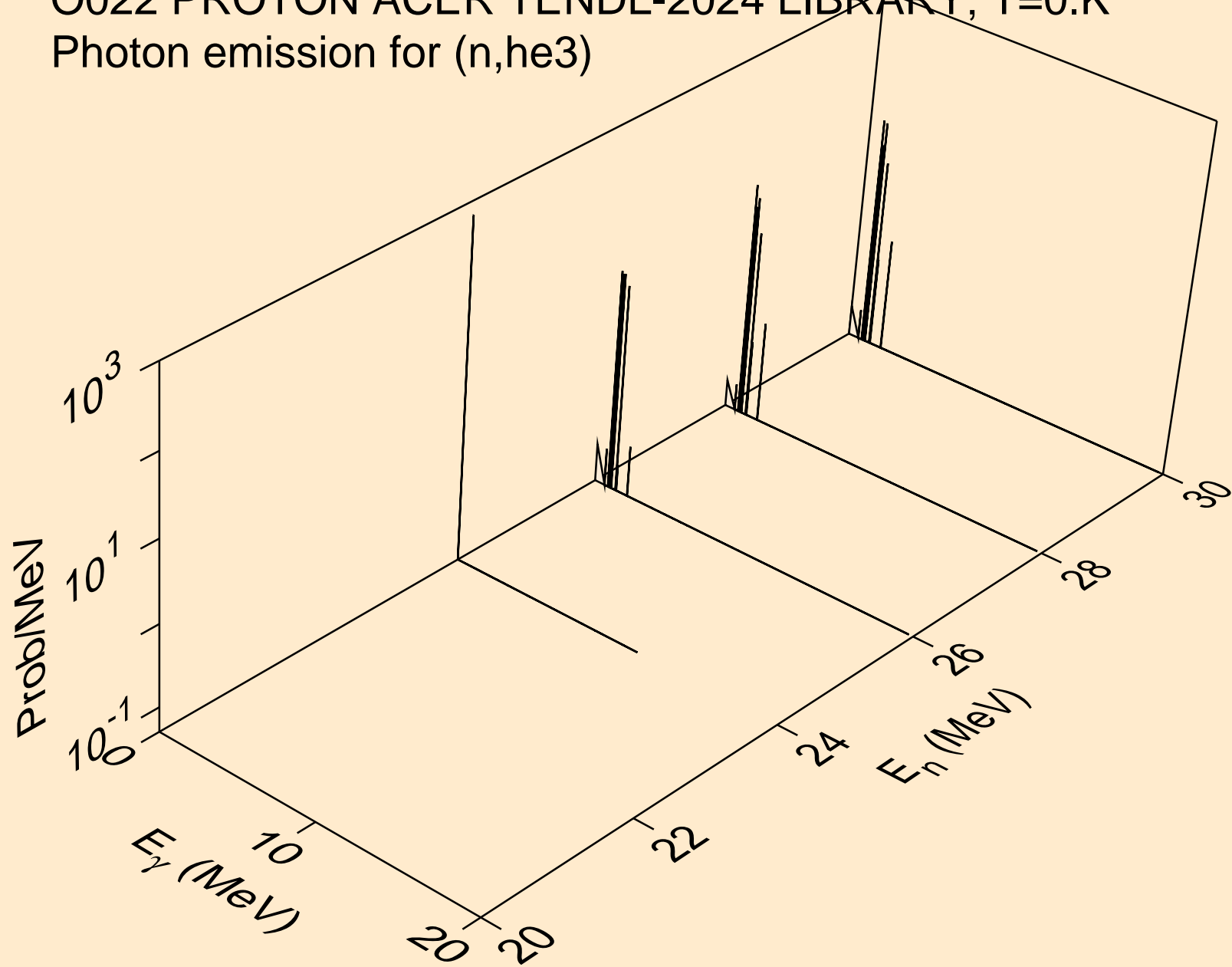
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



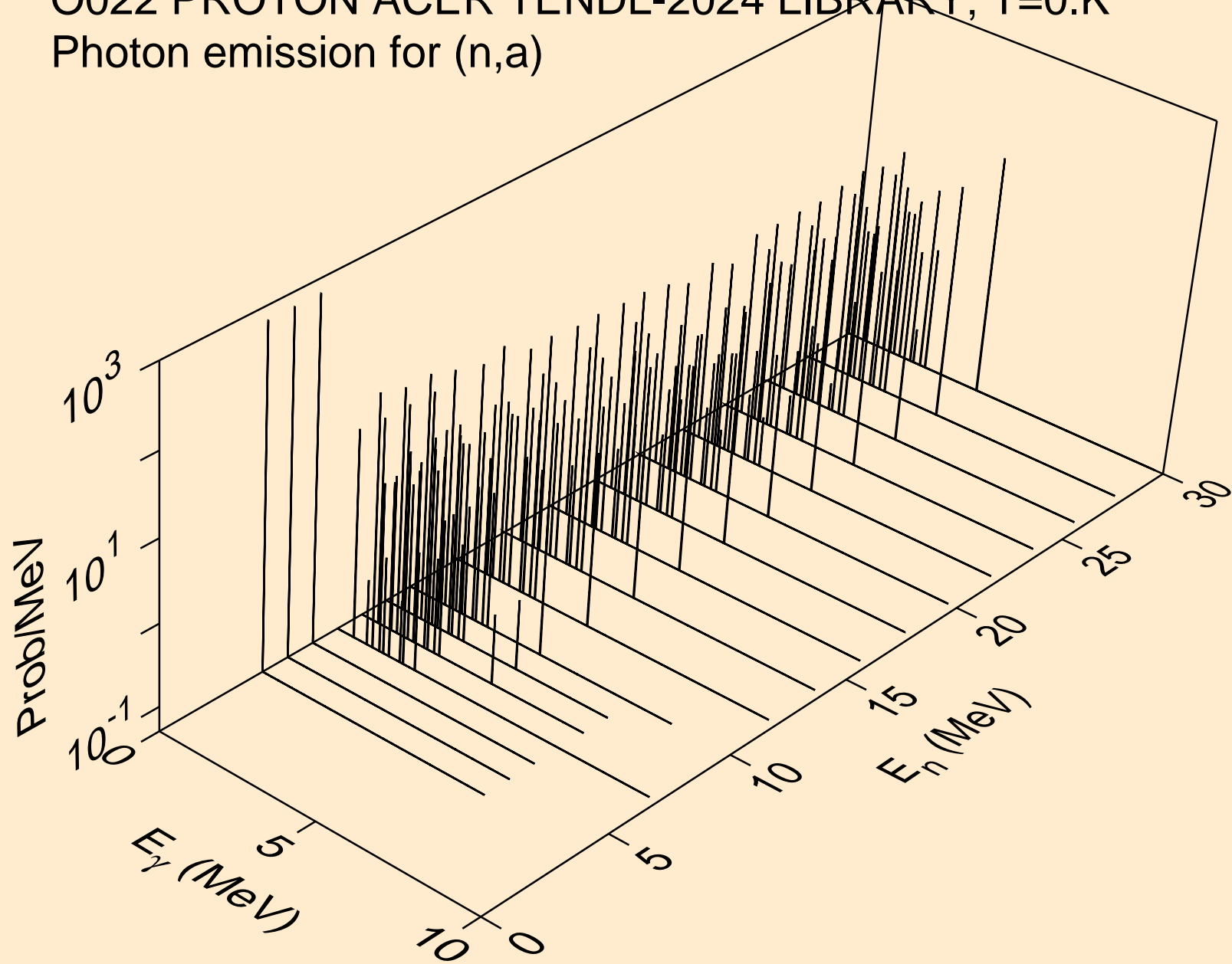
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



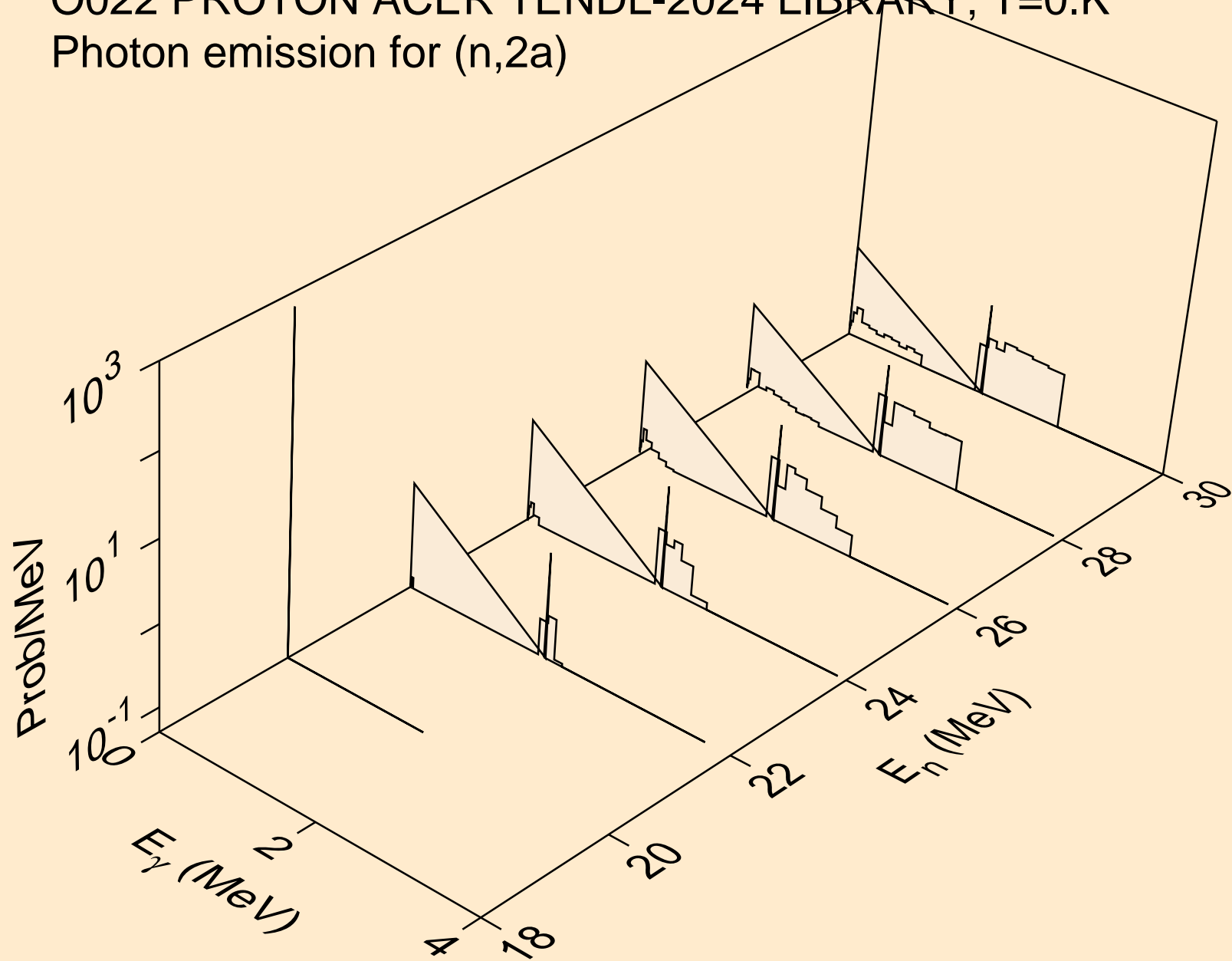
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



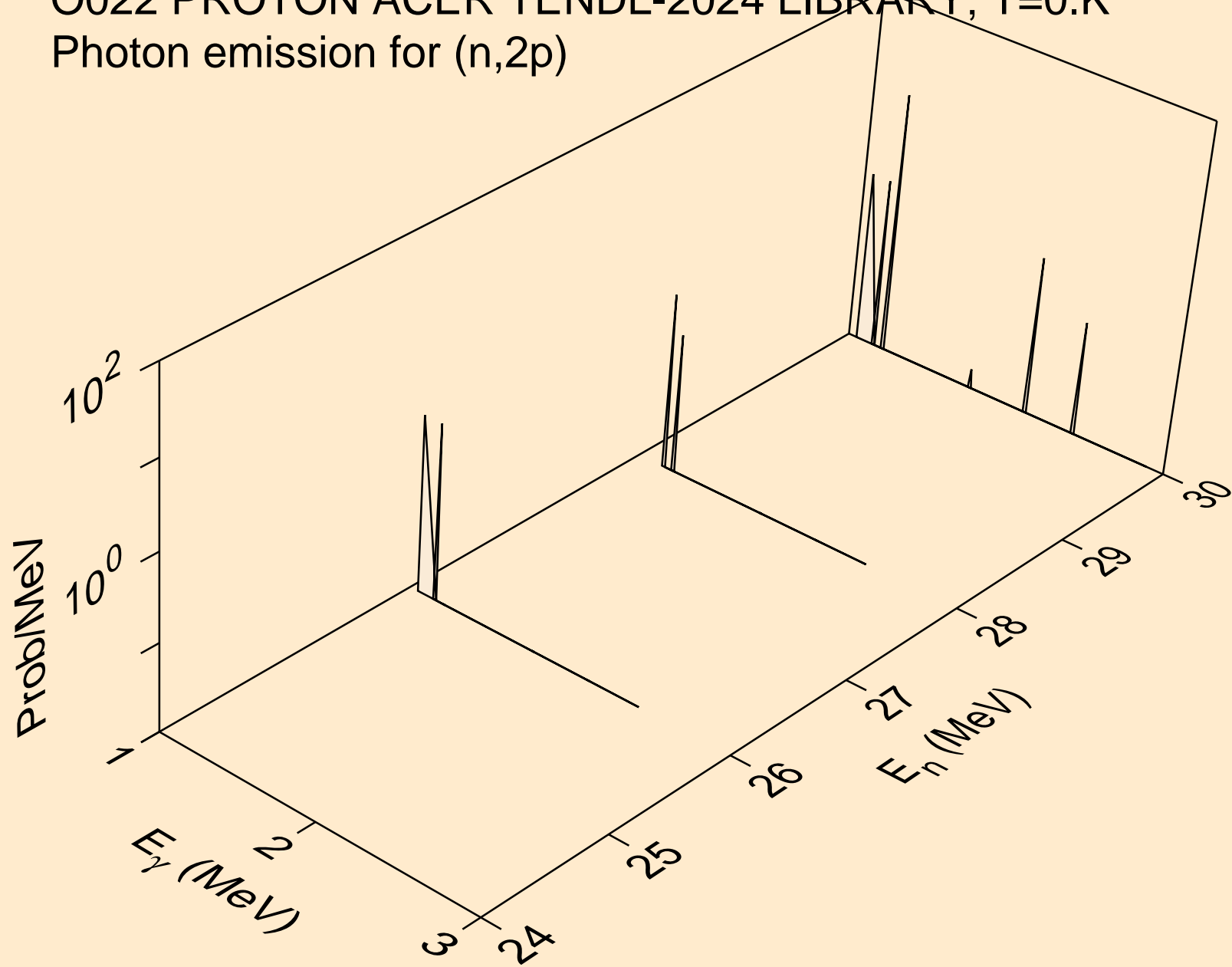
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



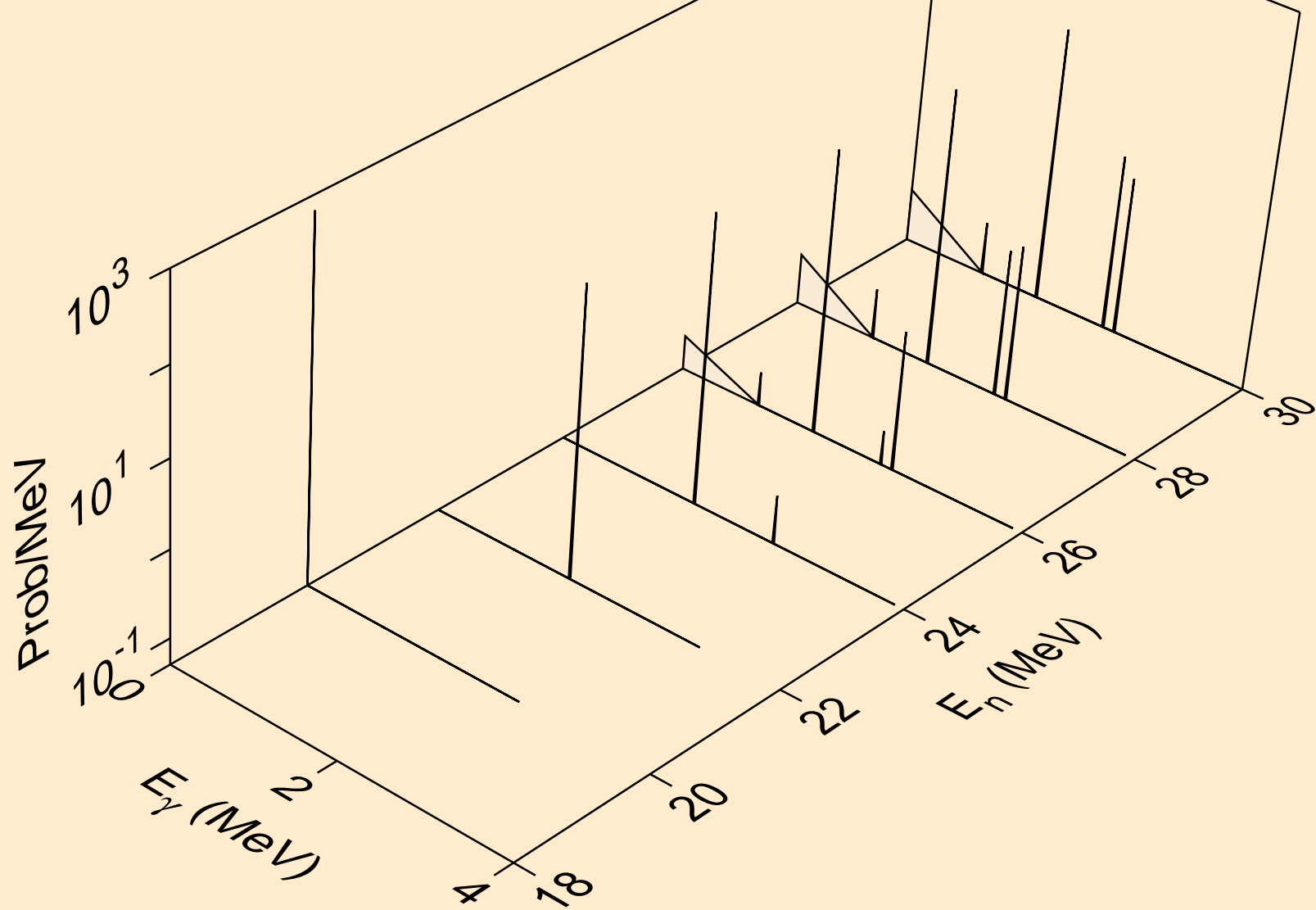
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



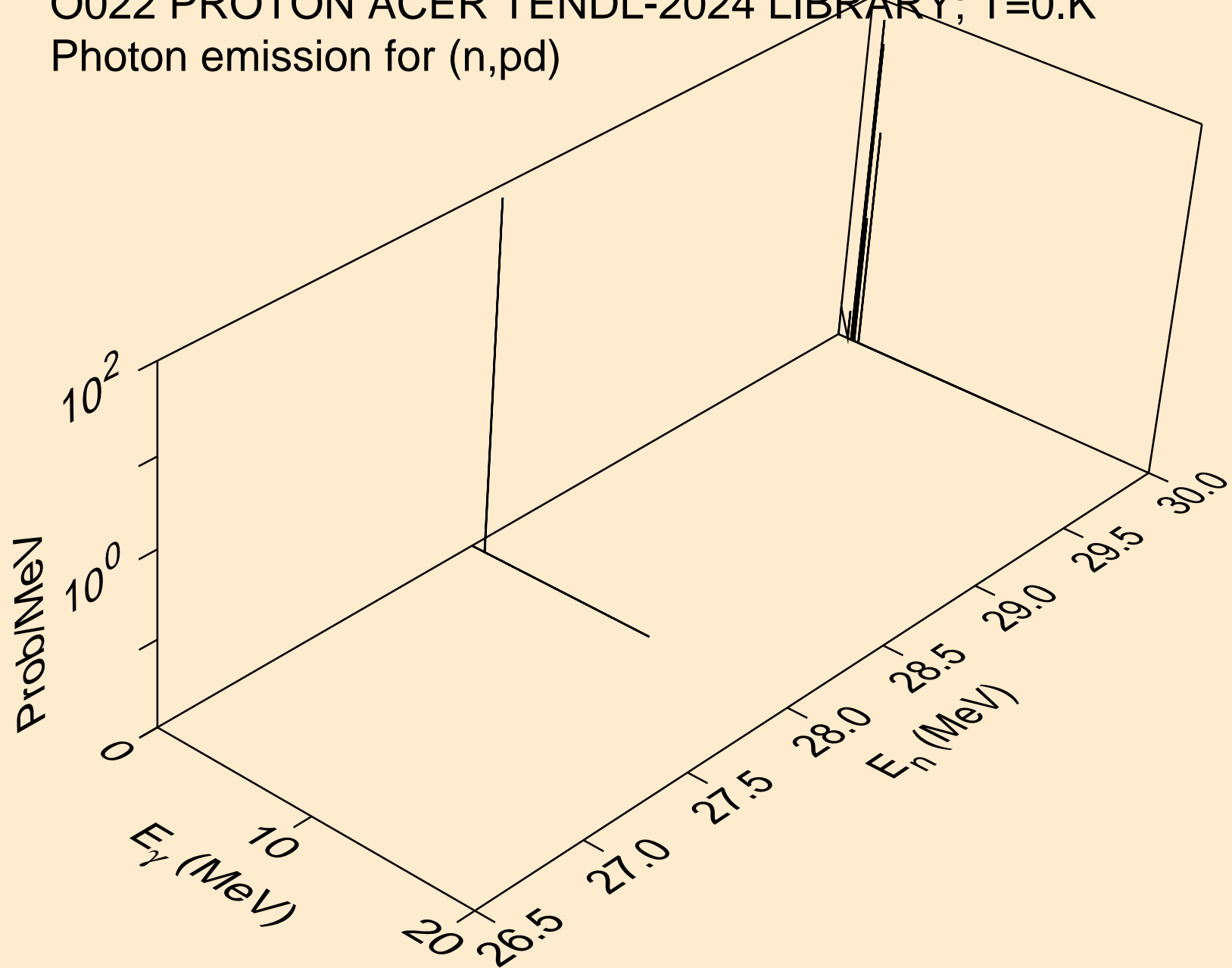
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



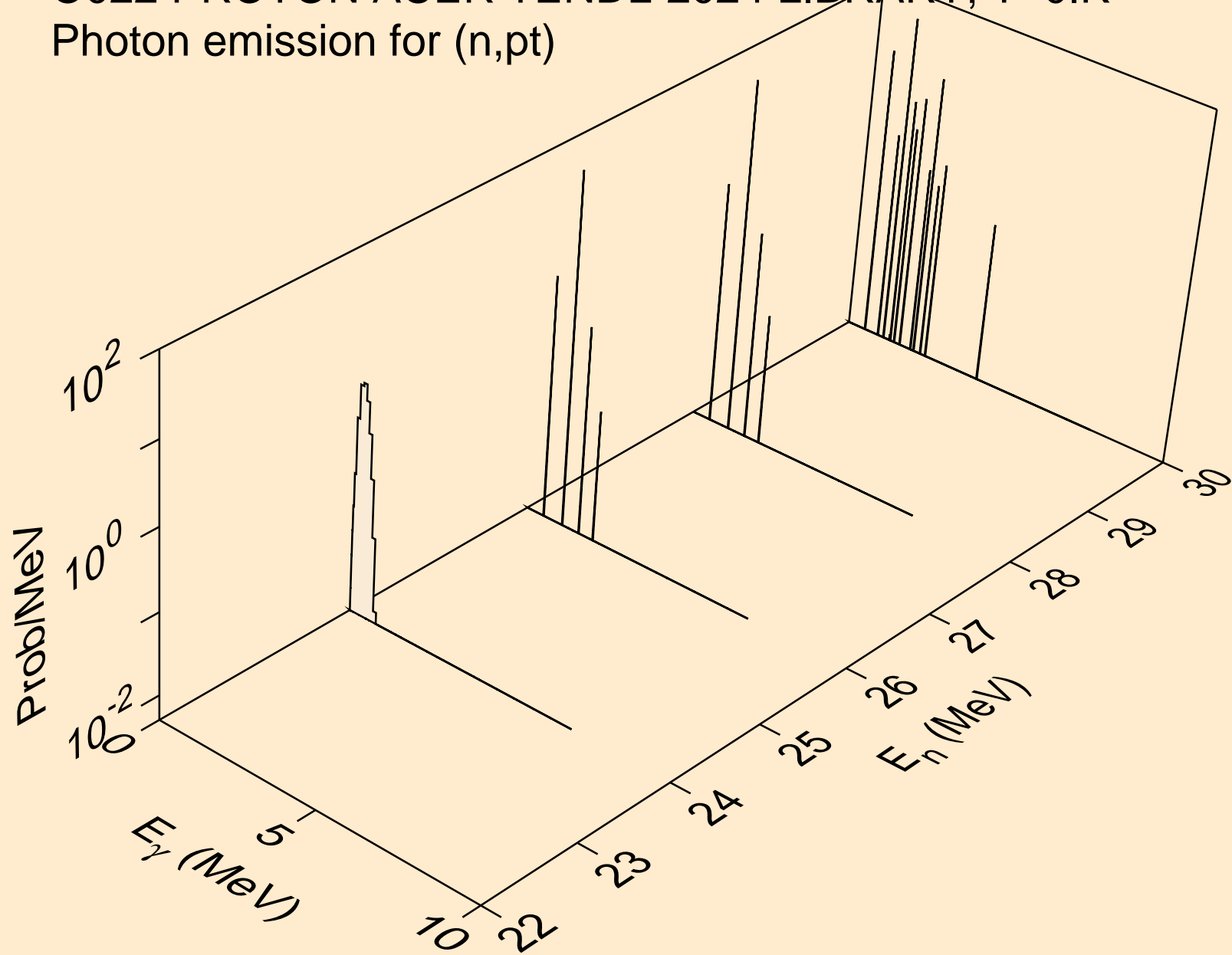
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



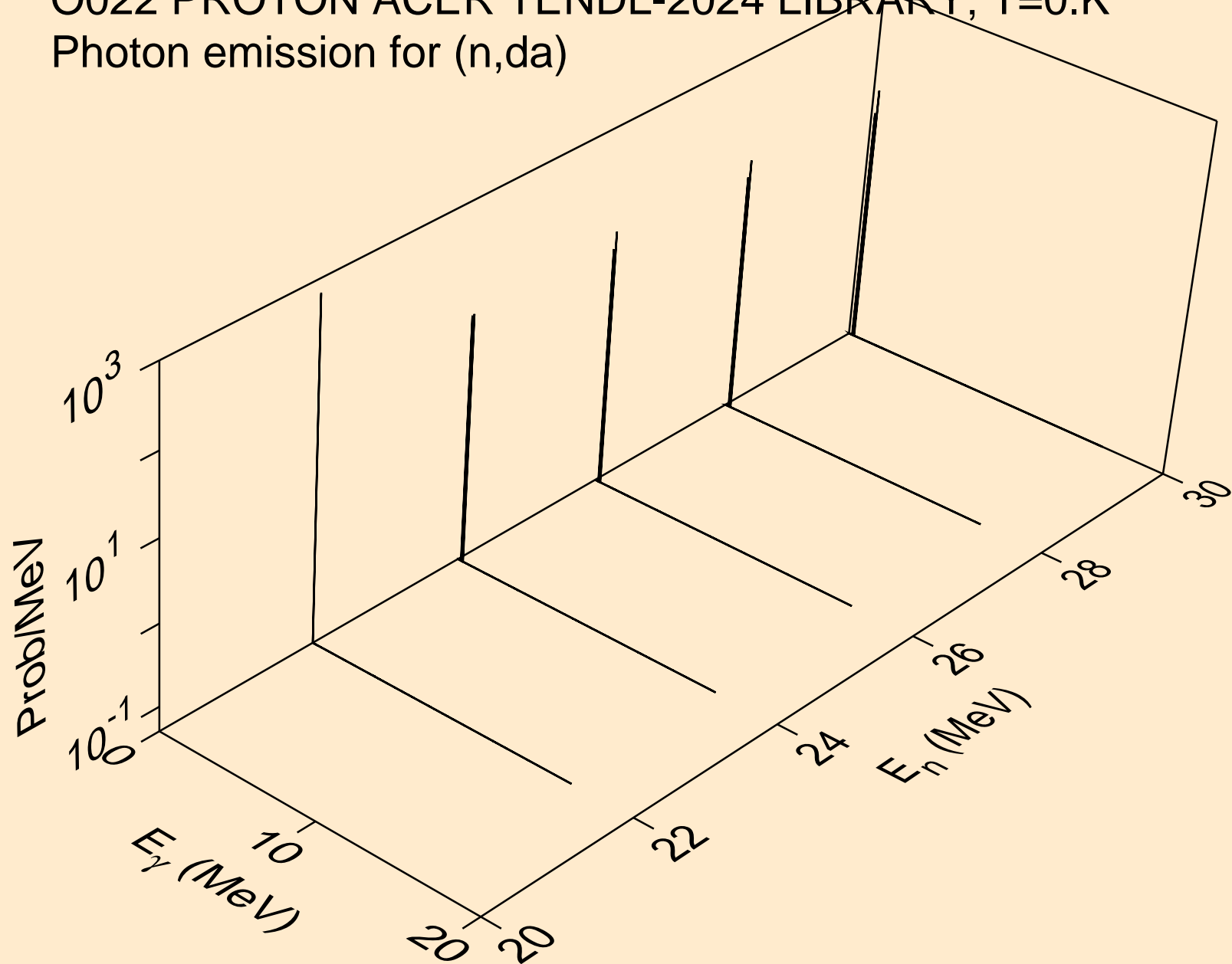
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



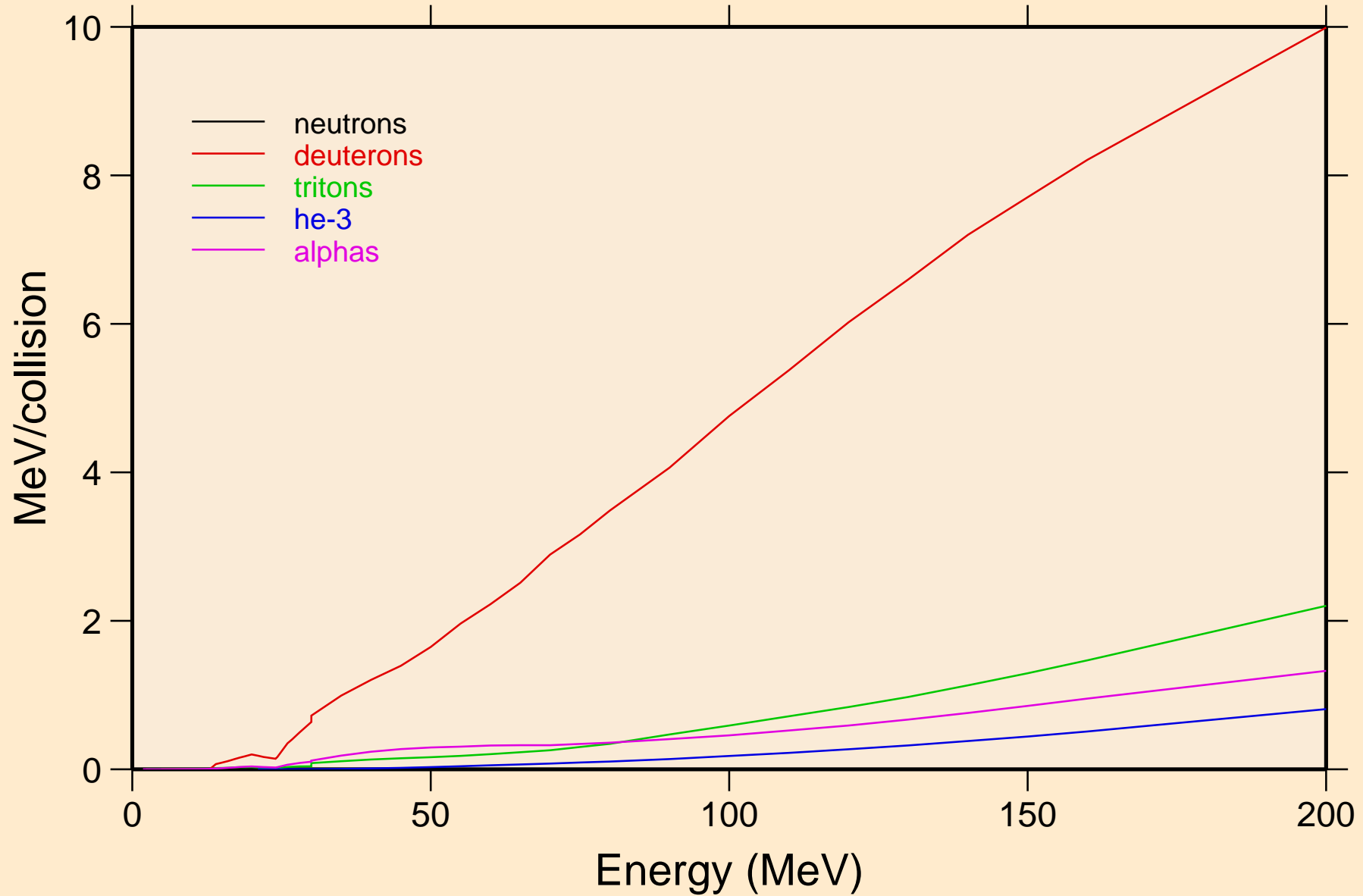
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)

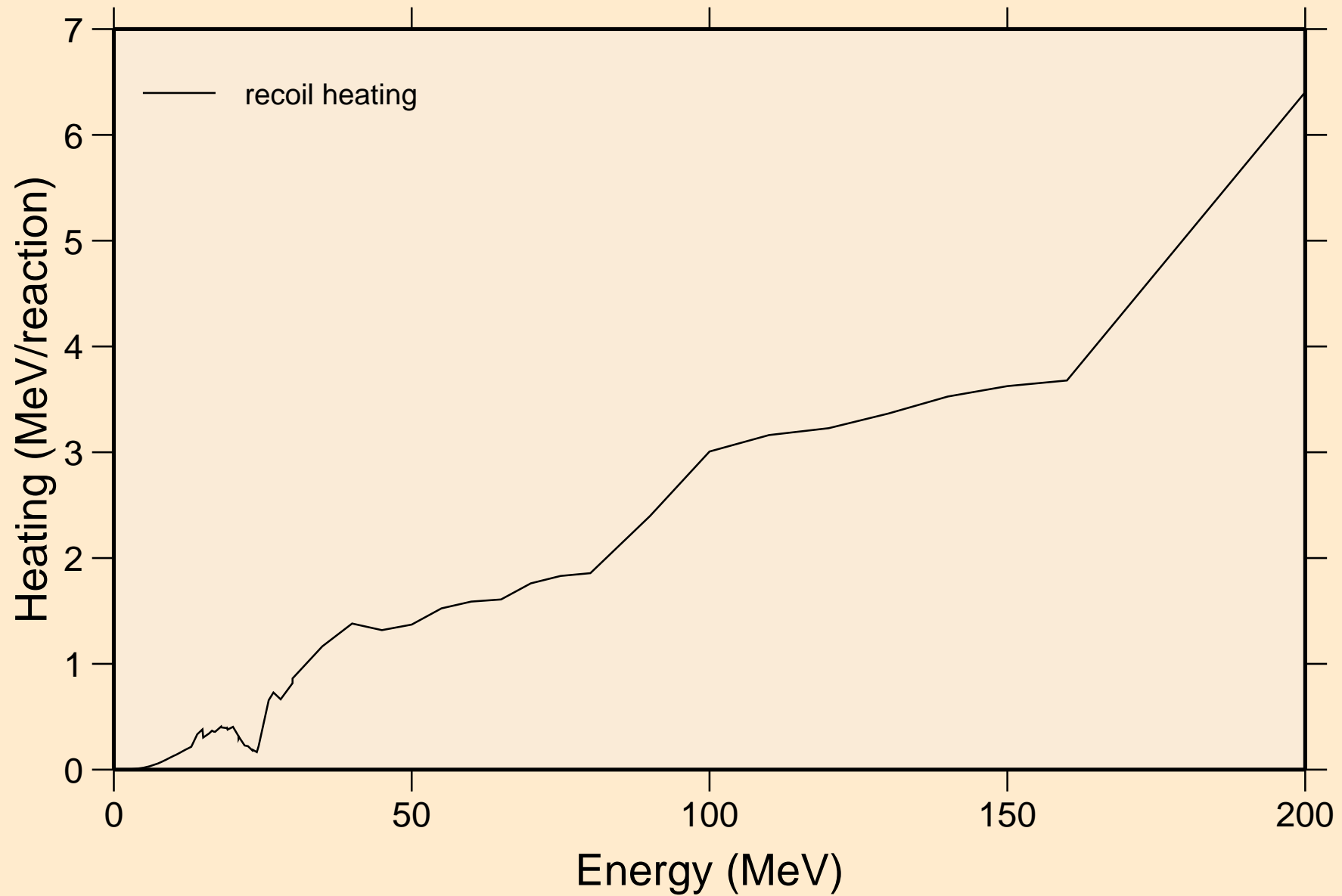


O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Particle heating contributions

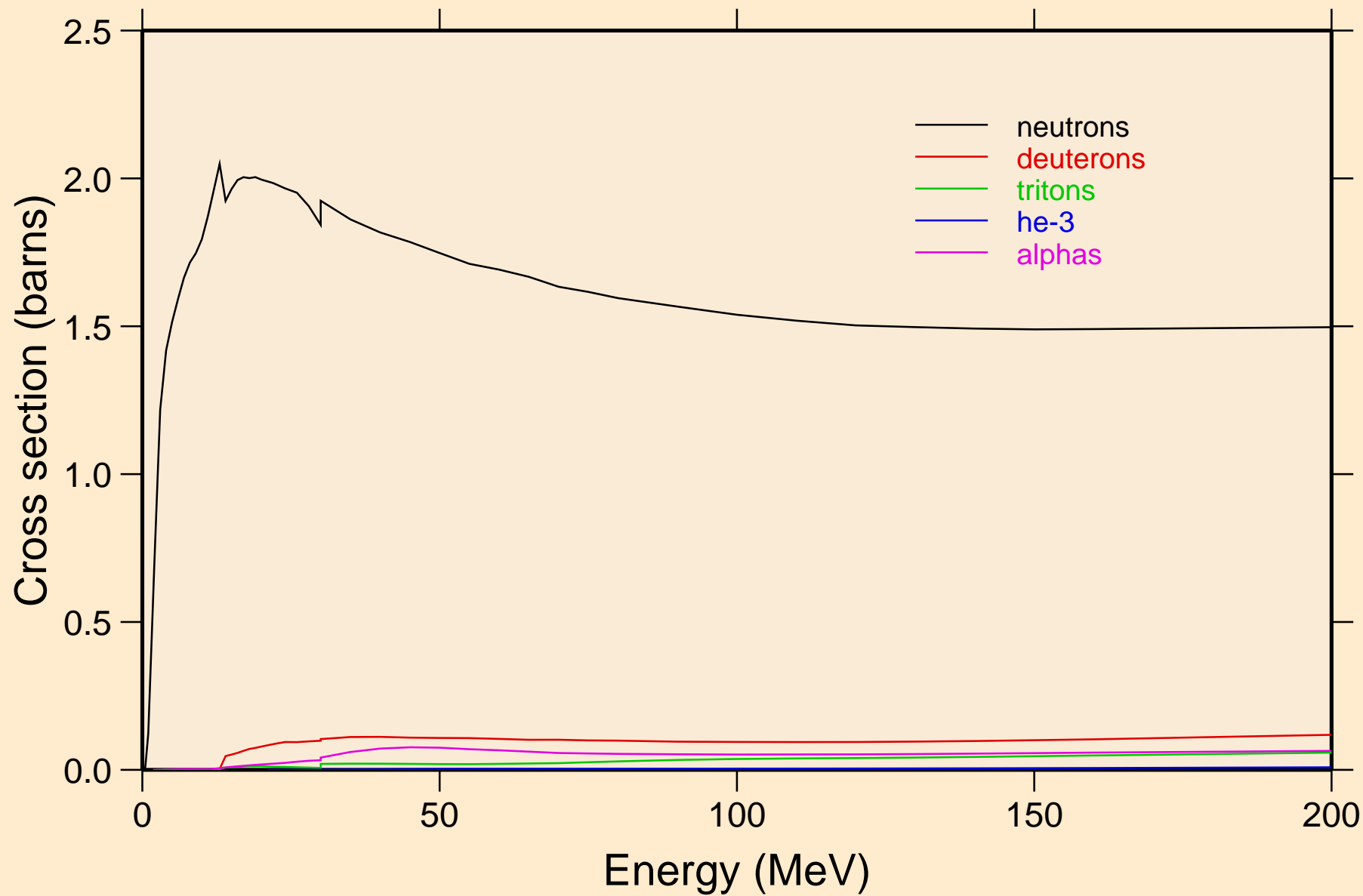


# O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K

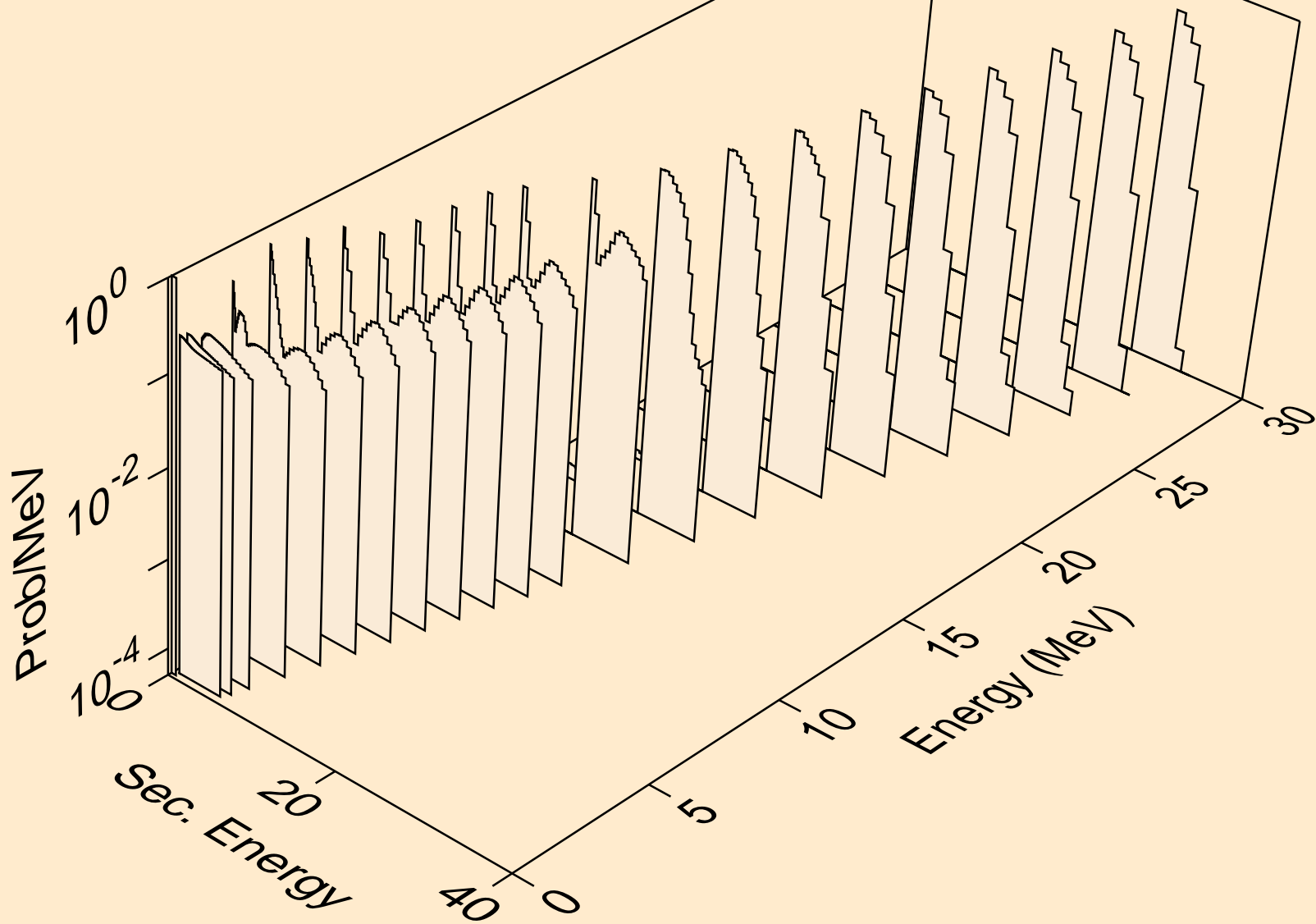
## Recoil Heating



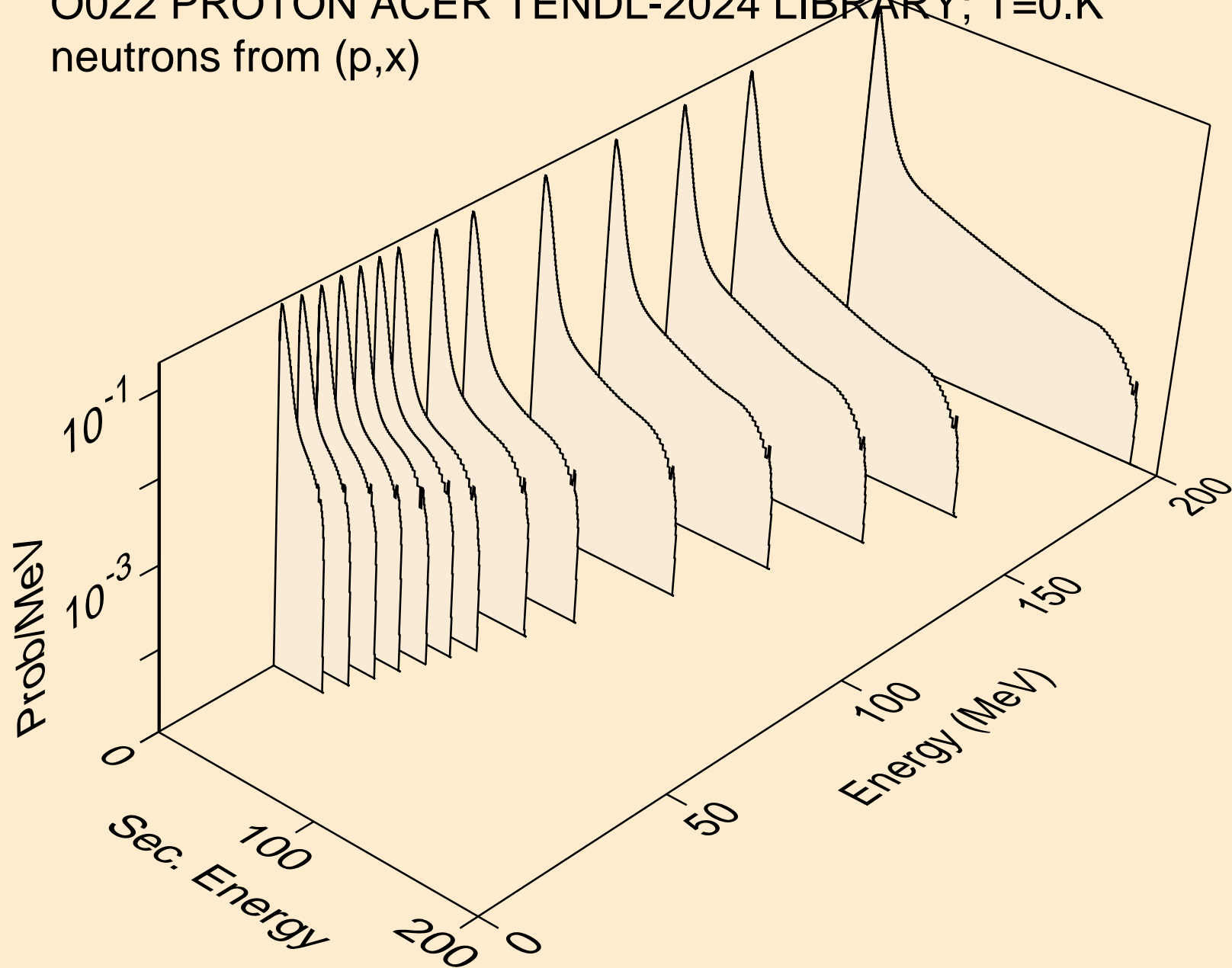
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections



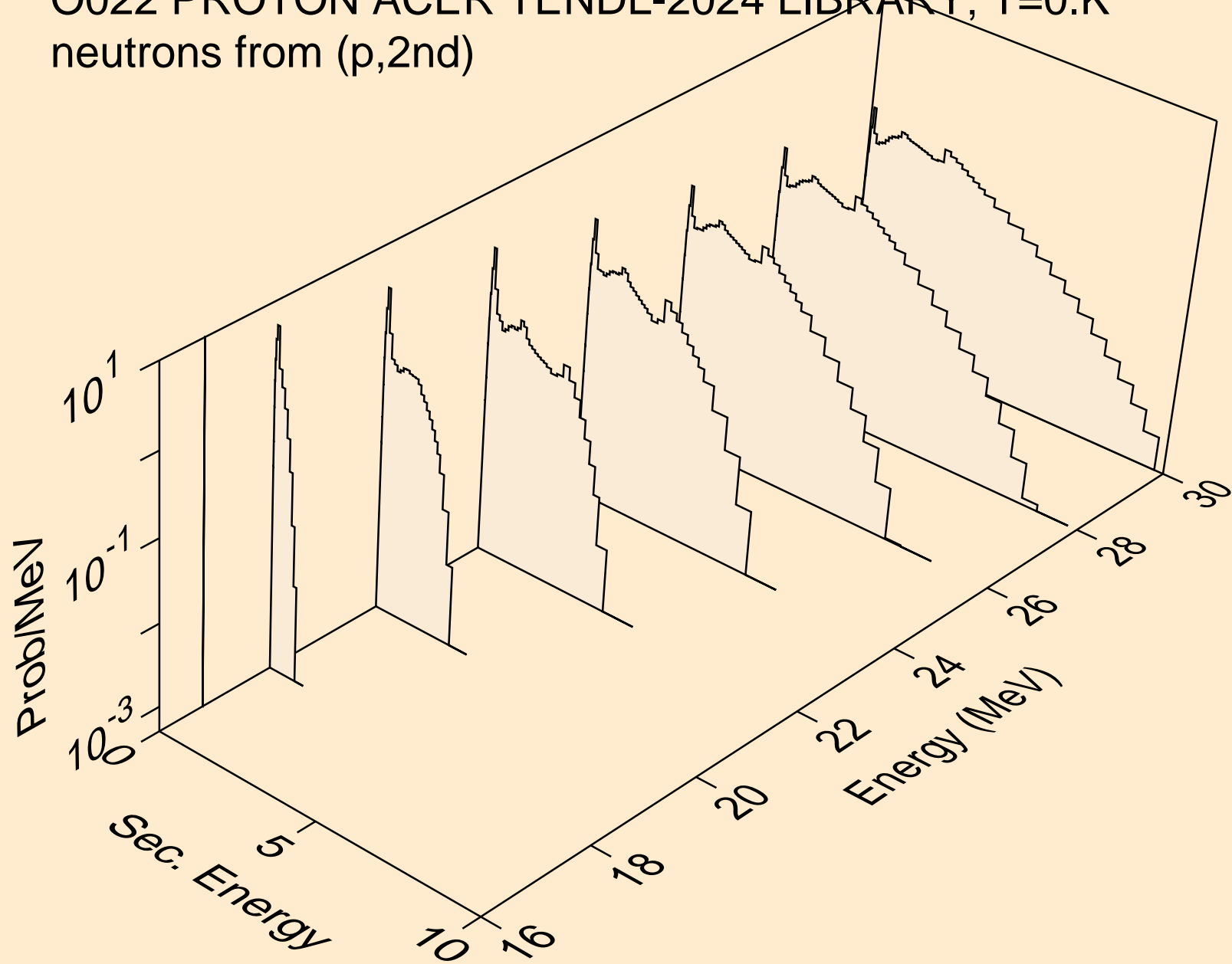
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n)



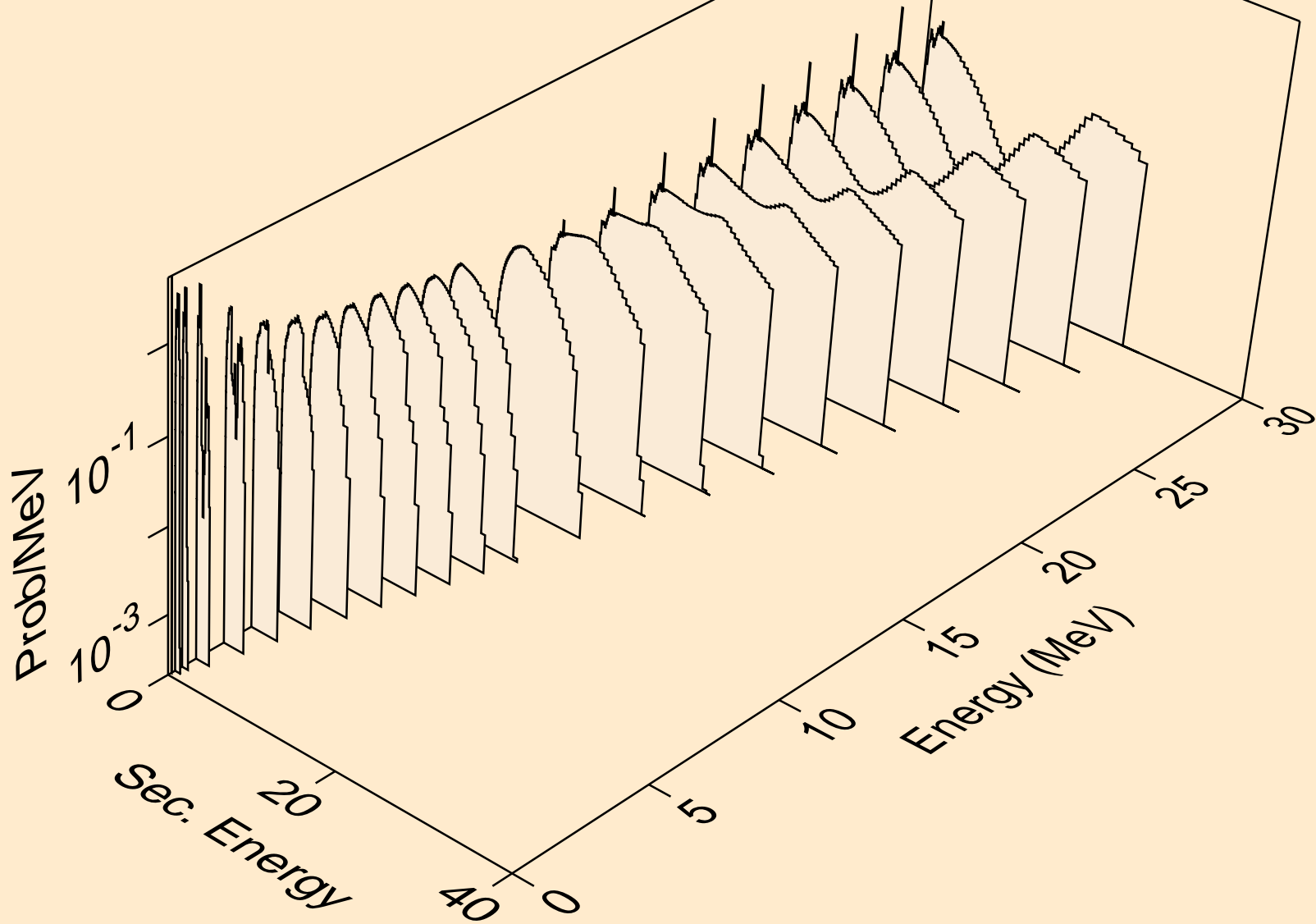
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,x)



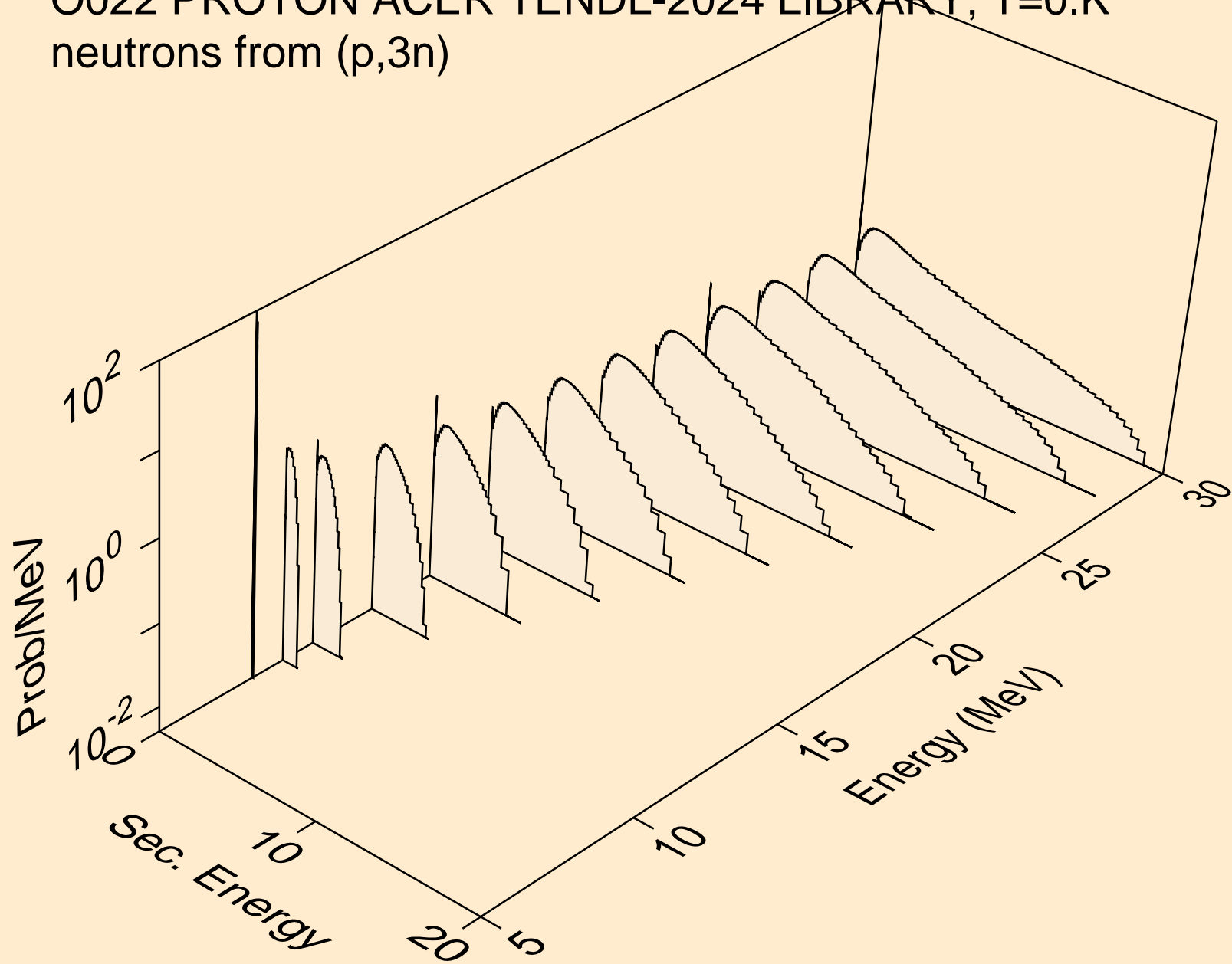
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,2nd)



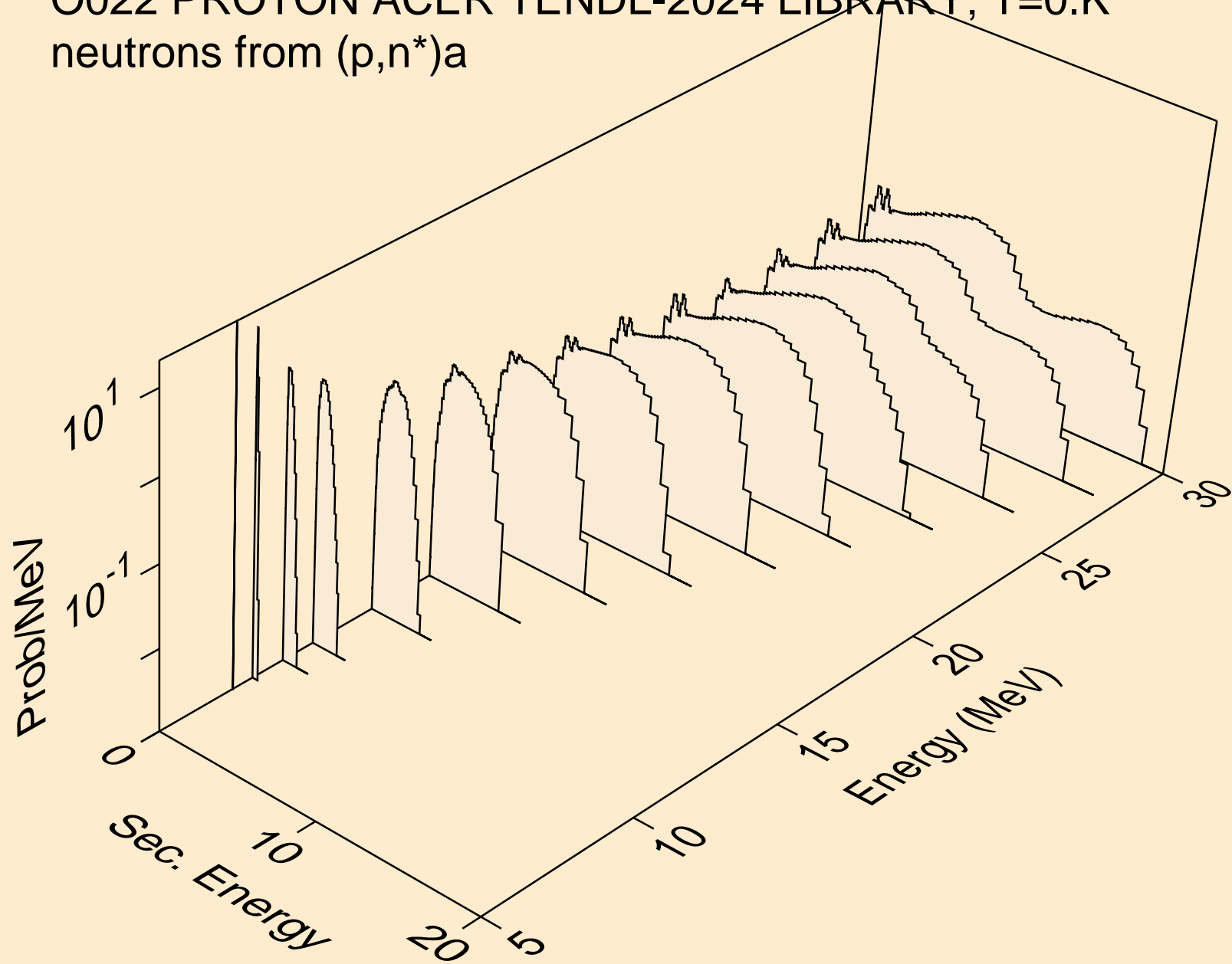
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,2n)



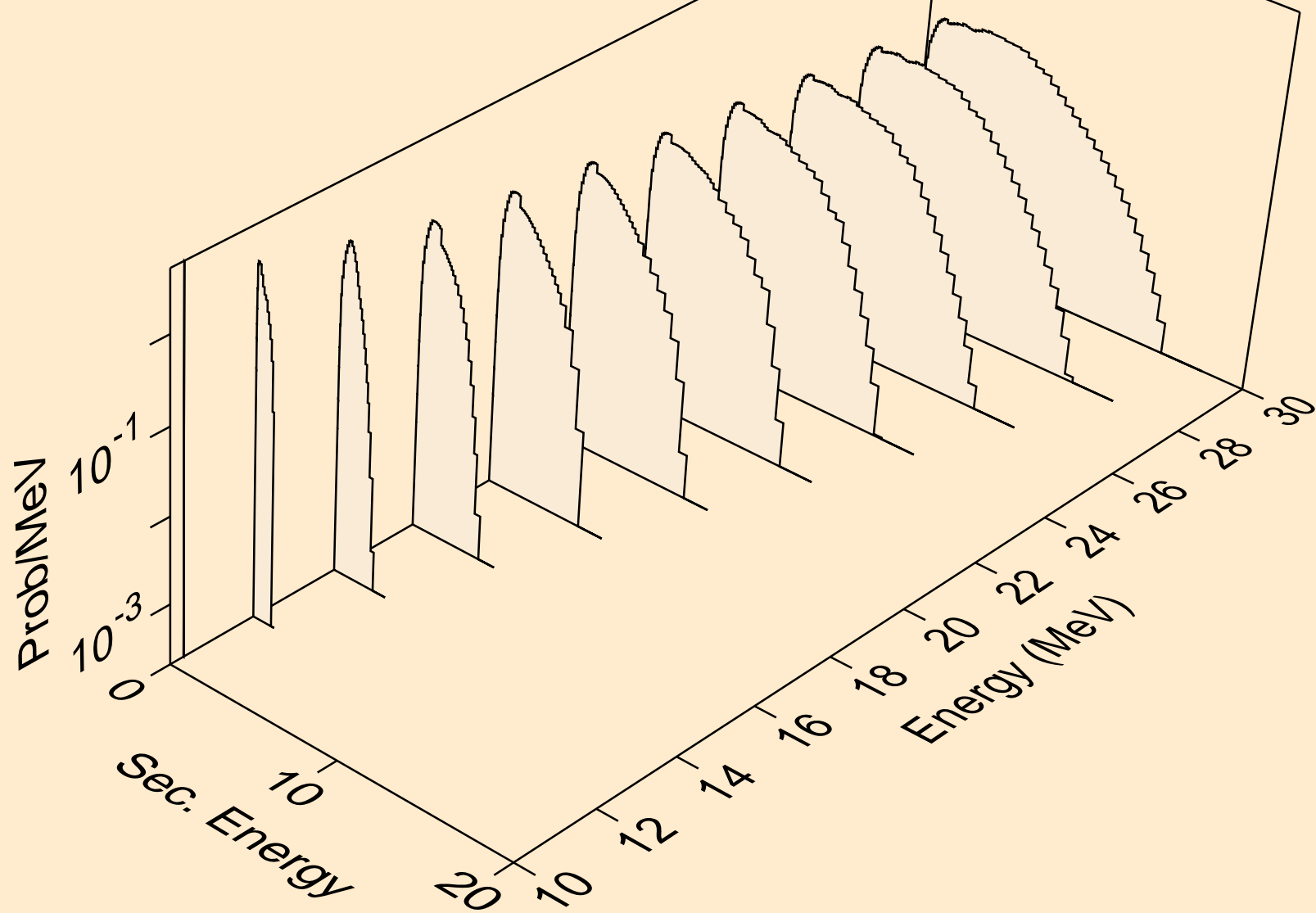
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,3n)



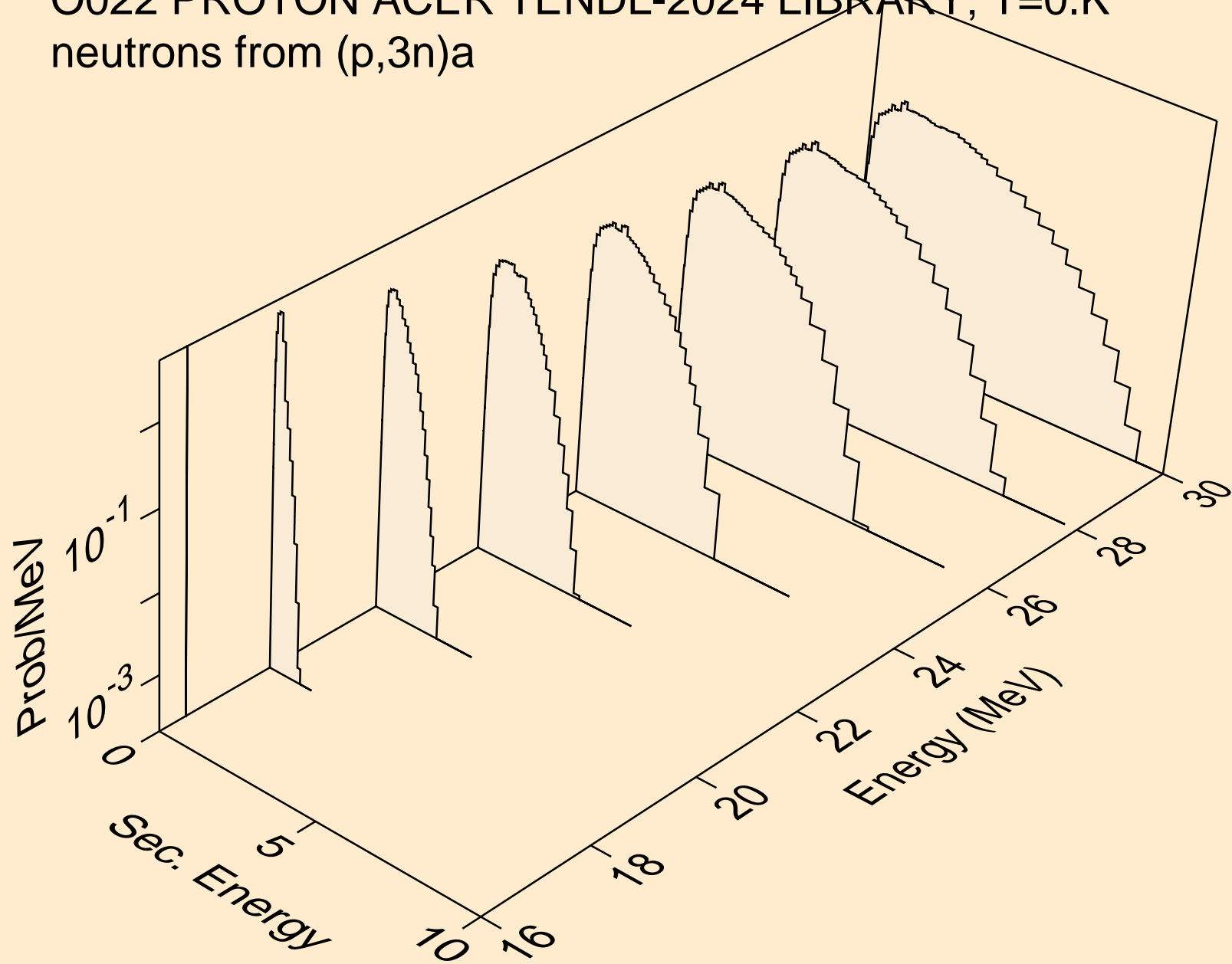
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)a



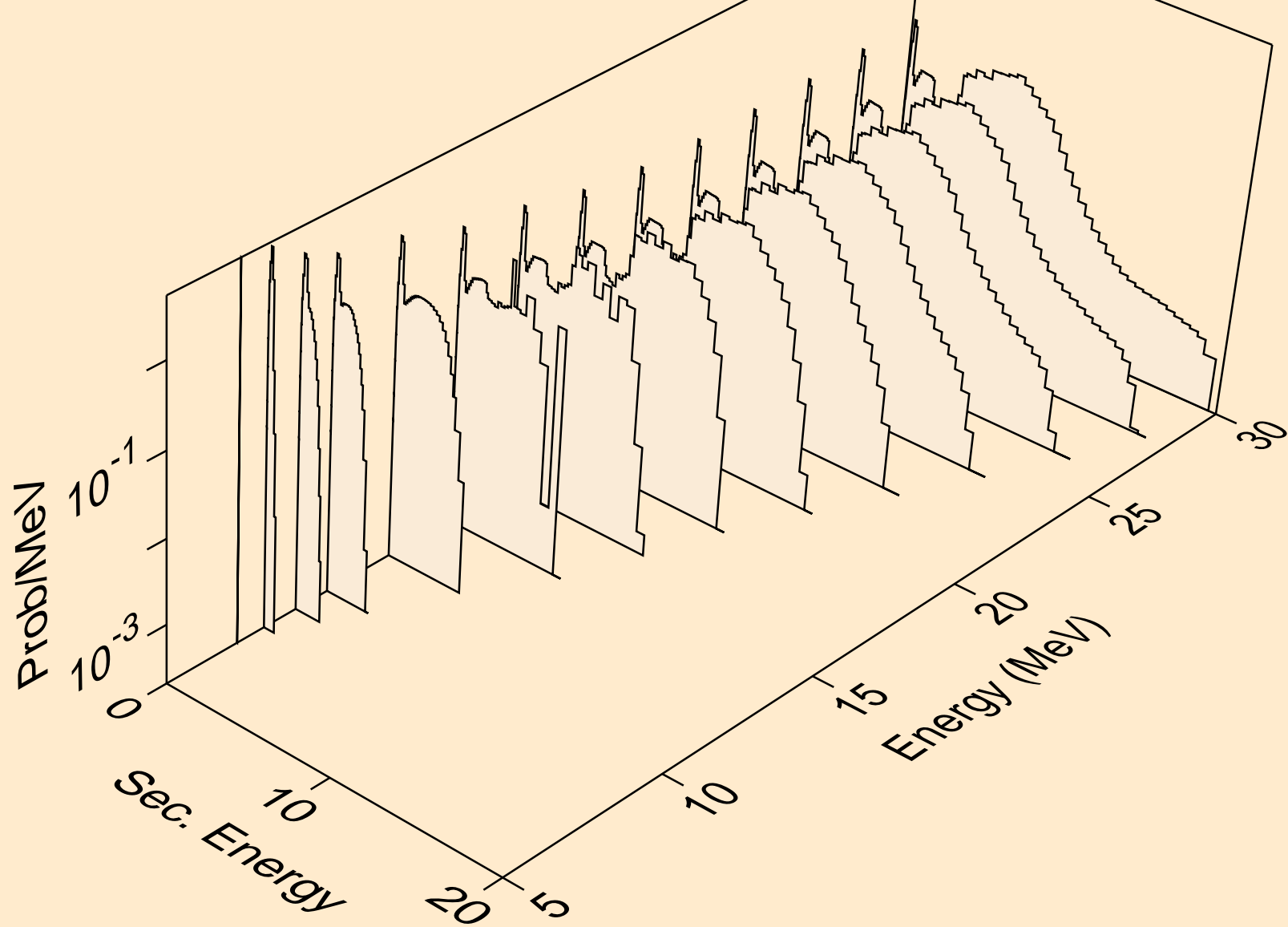
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,2n)a



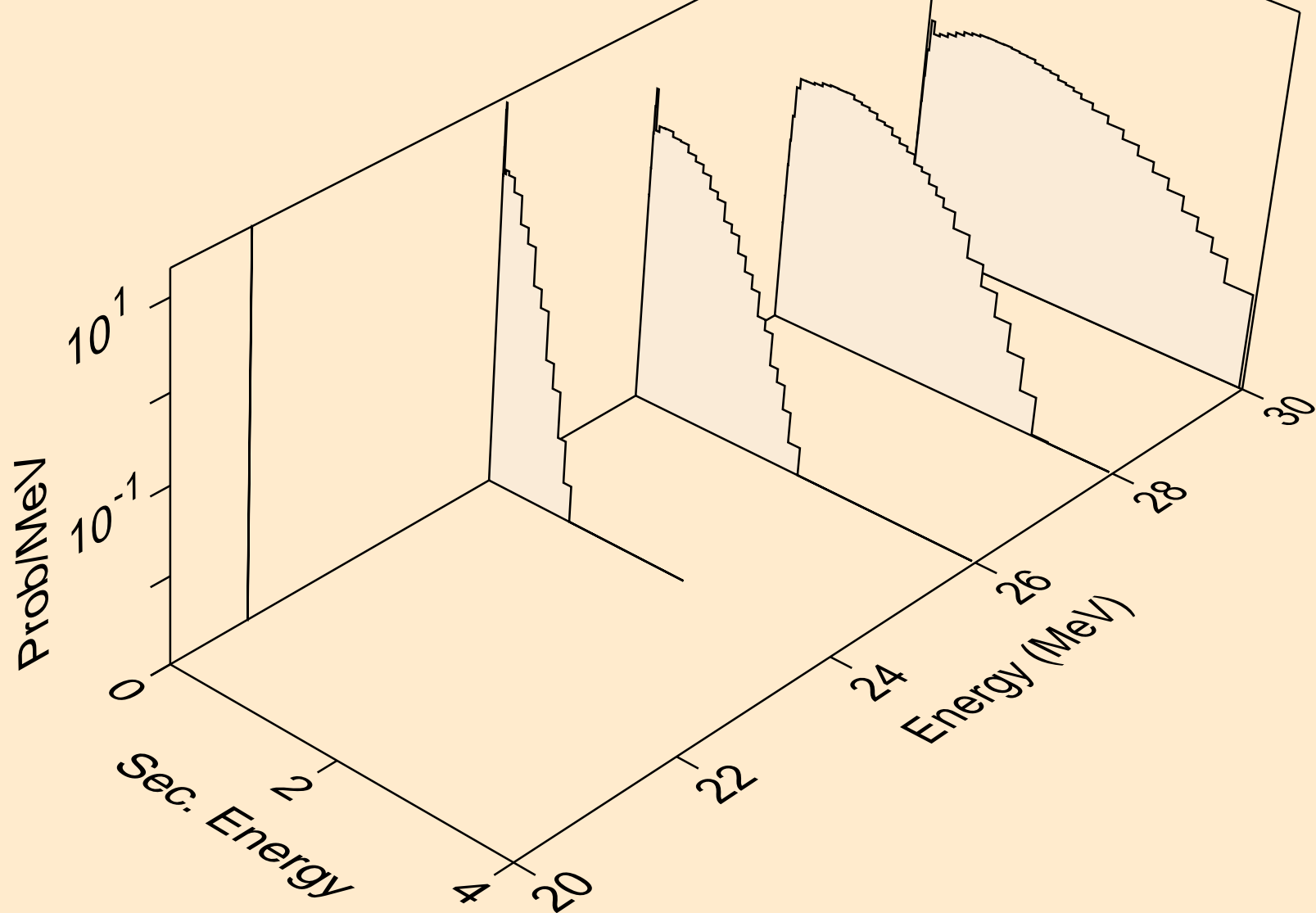
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,3n)a



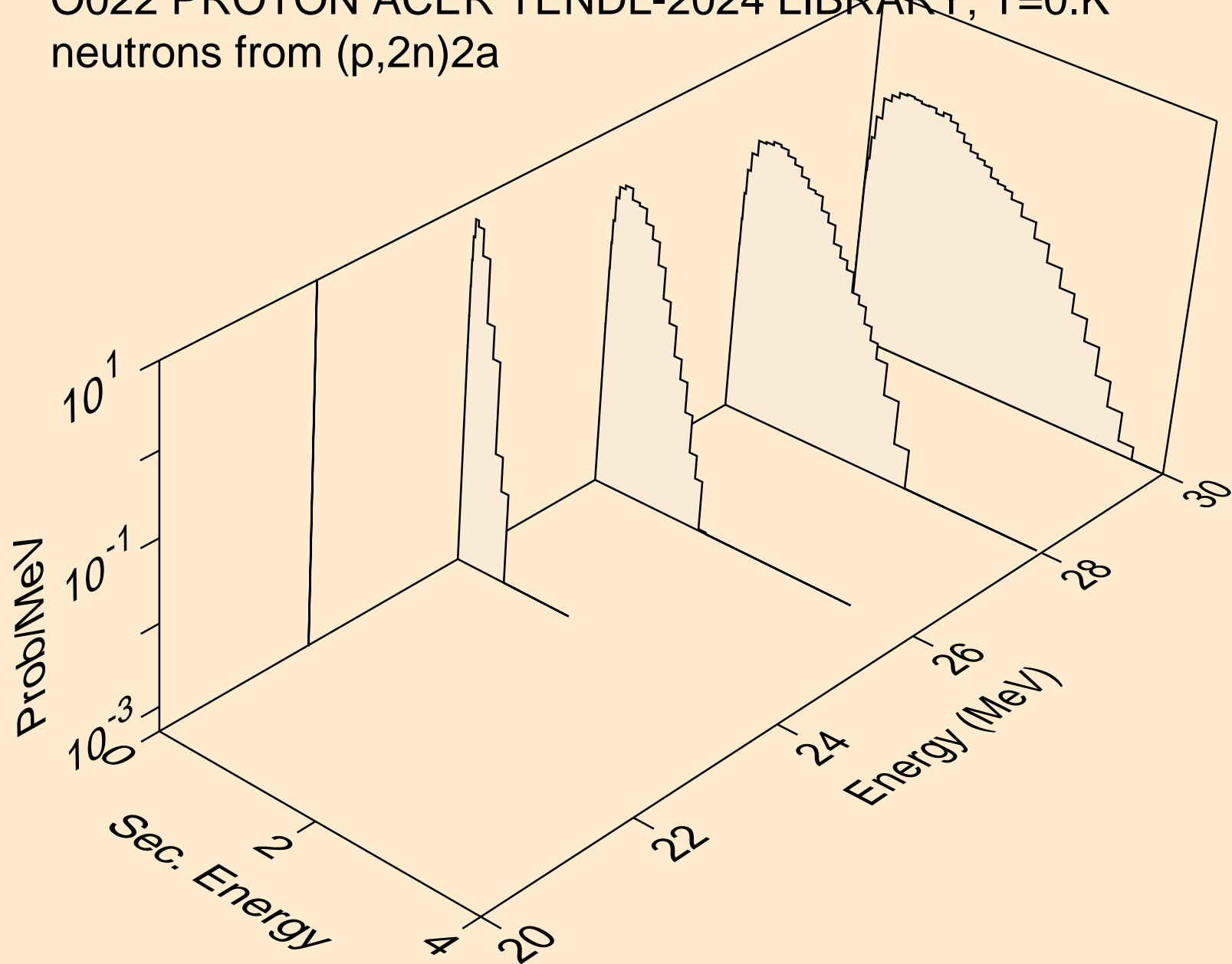
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)p



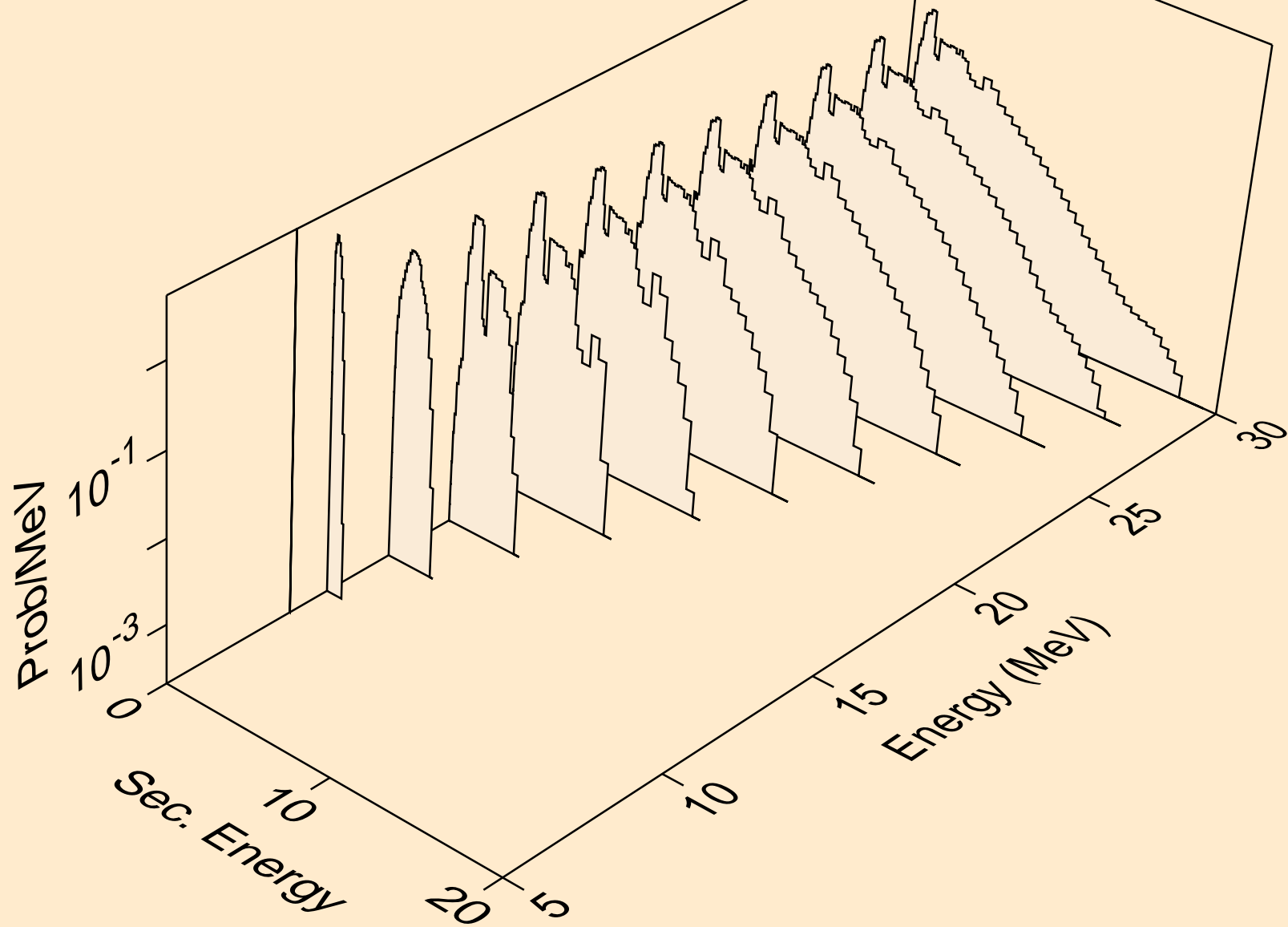
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)2a



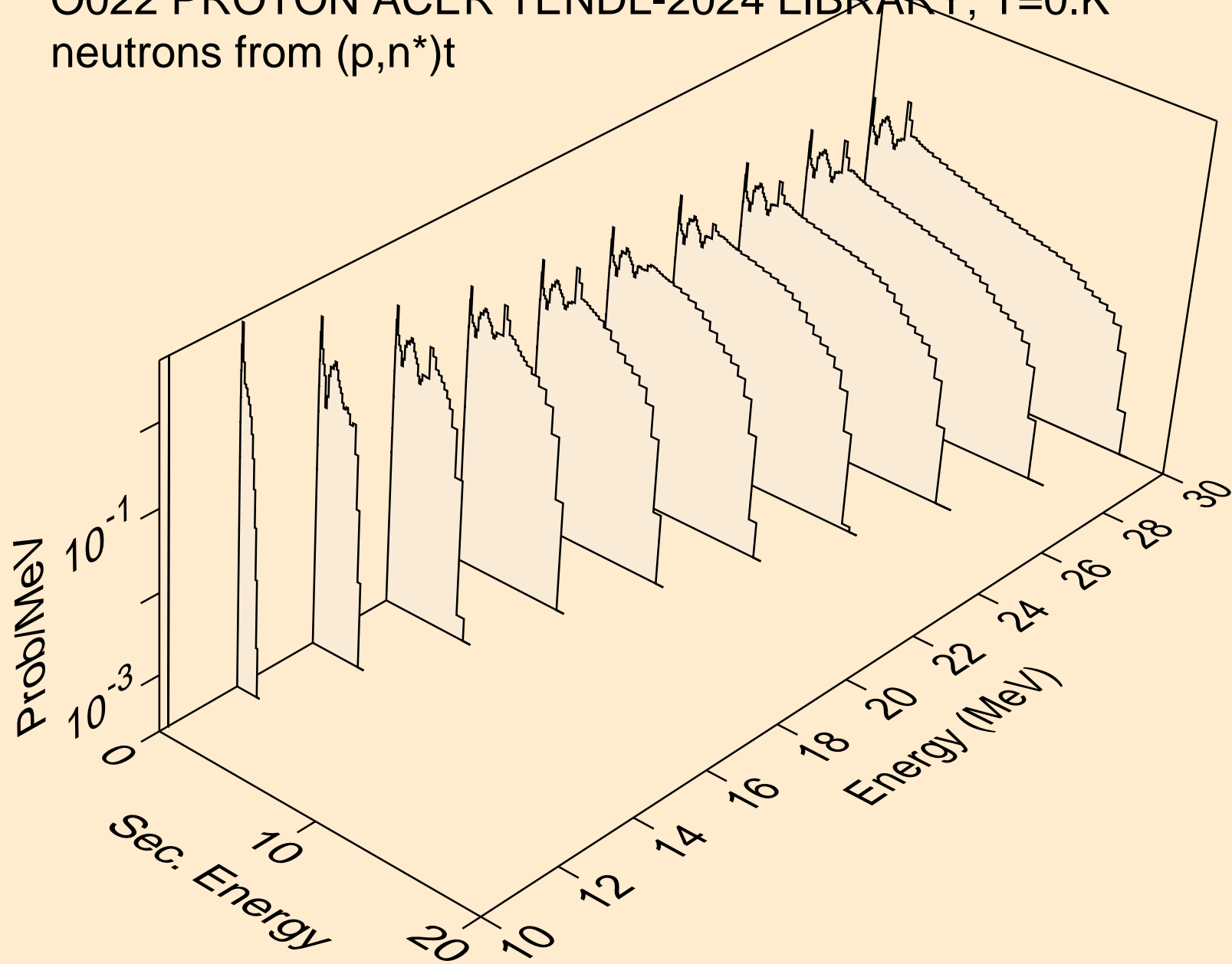
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,2n)2a



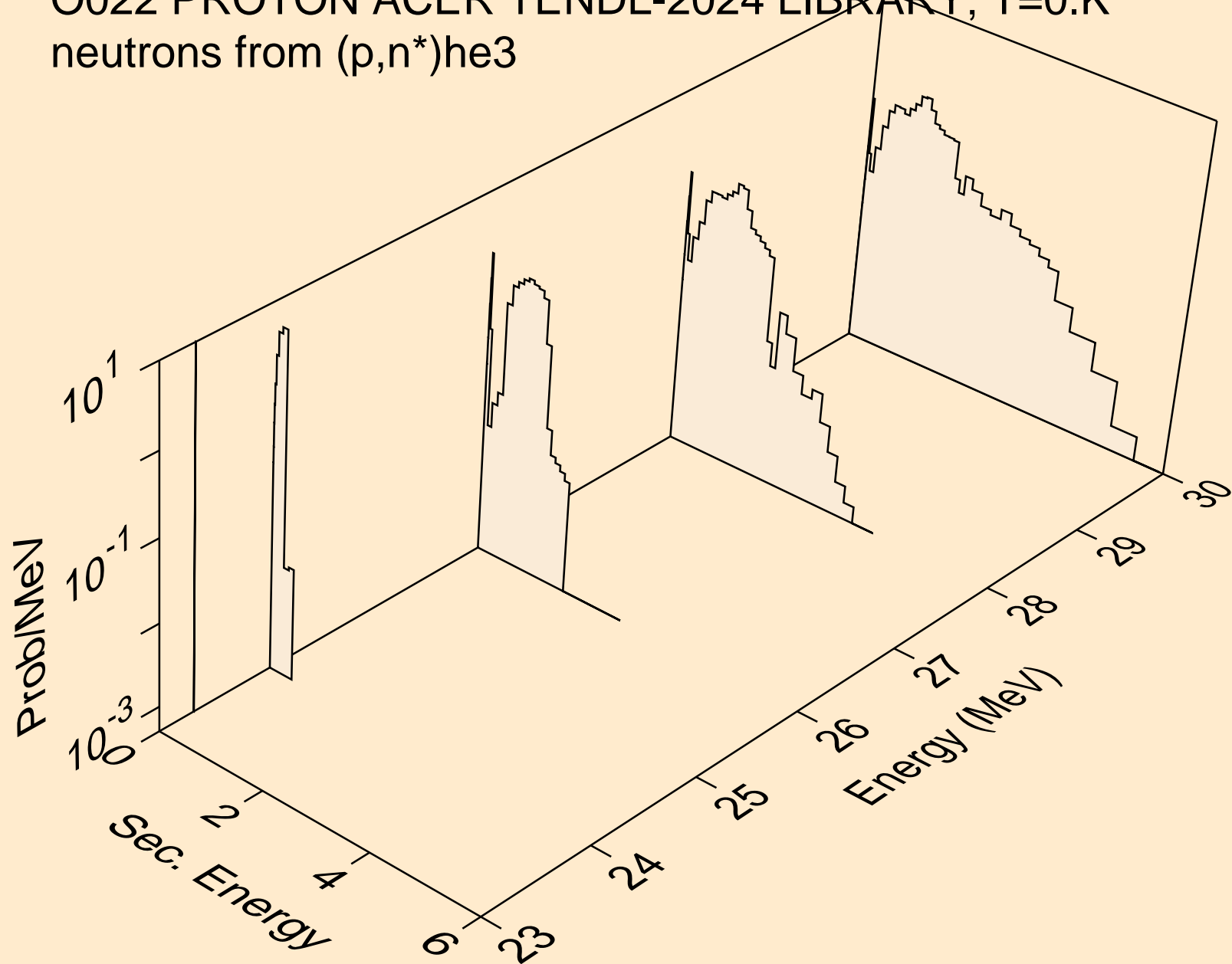
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)d



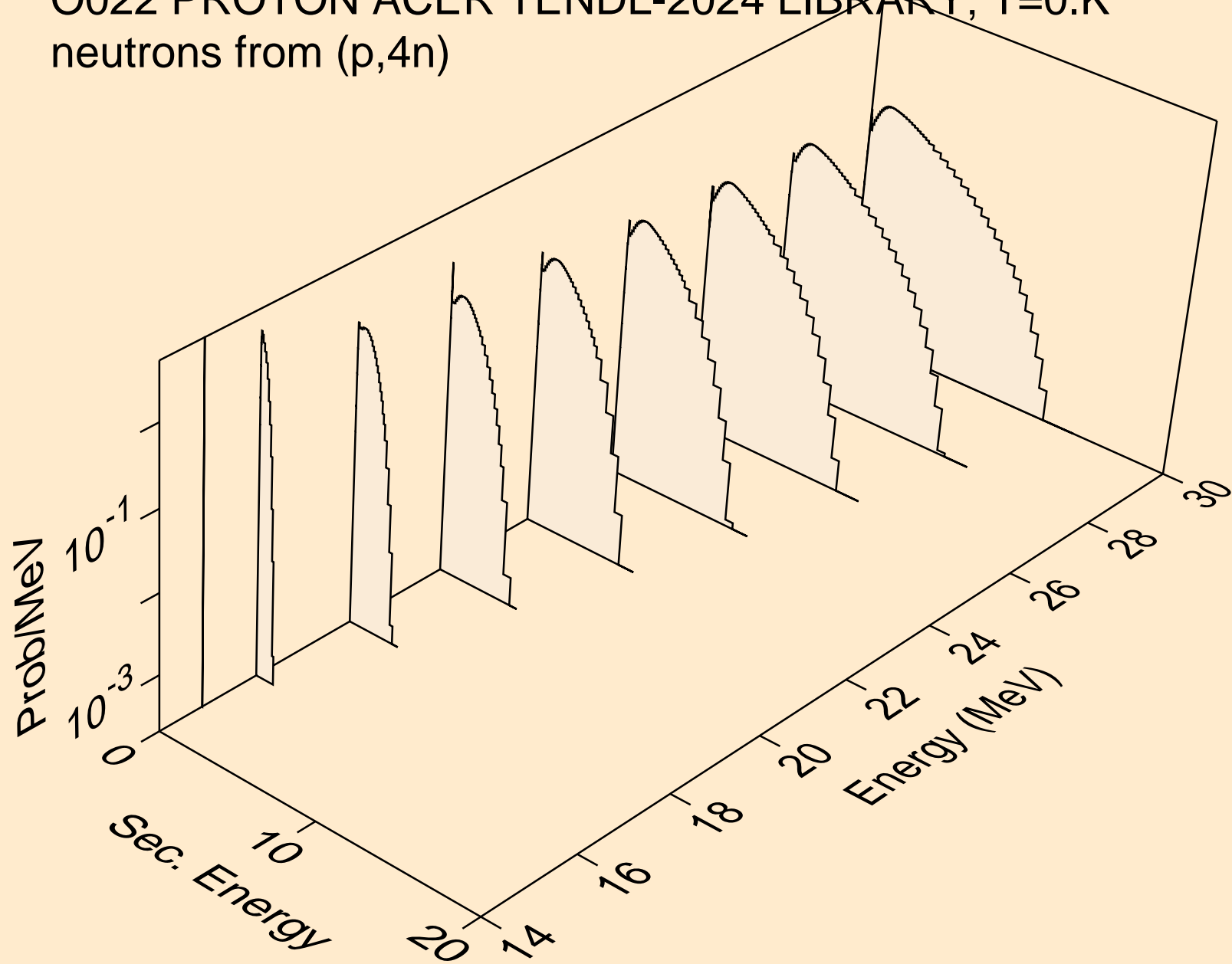
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)t



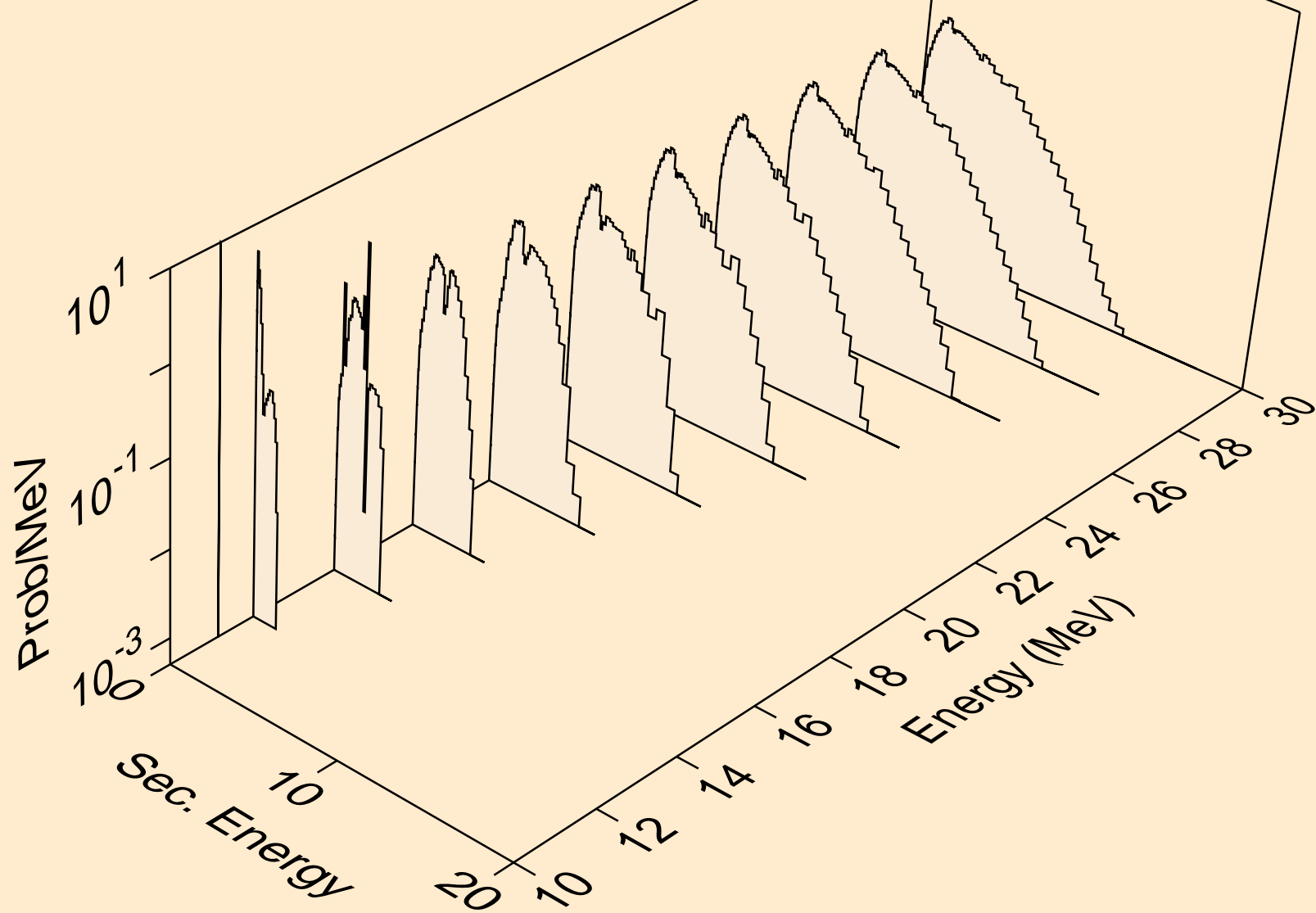
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



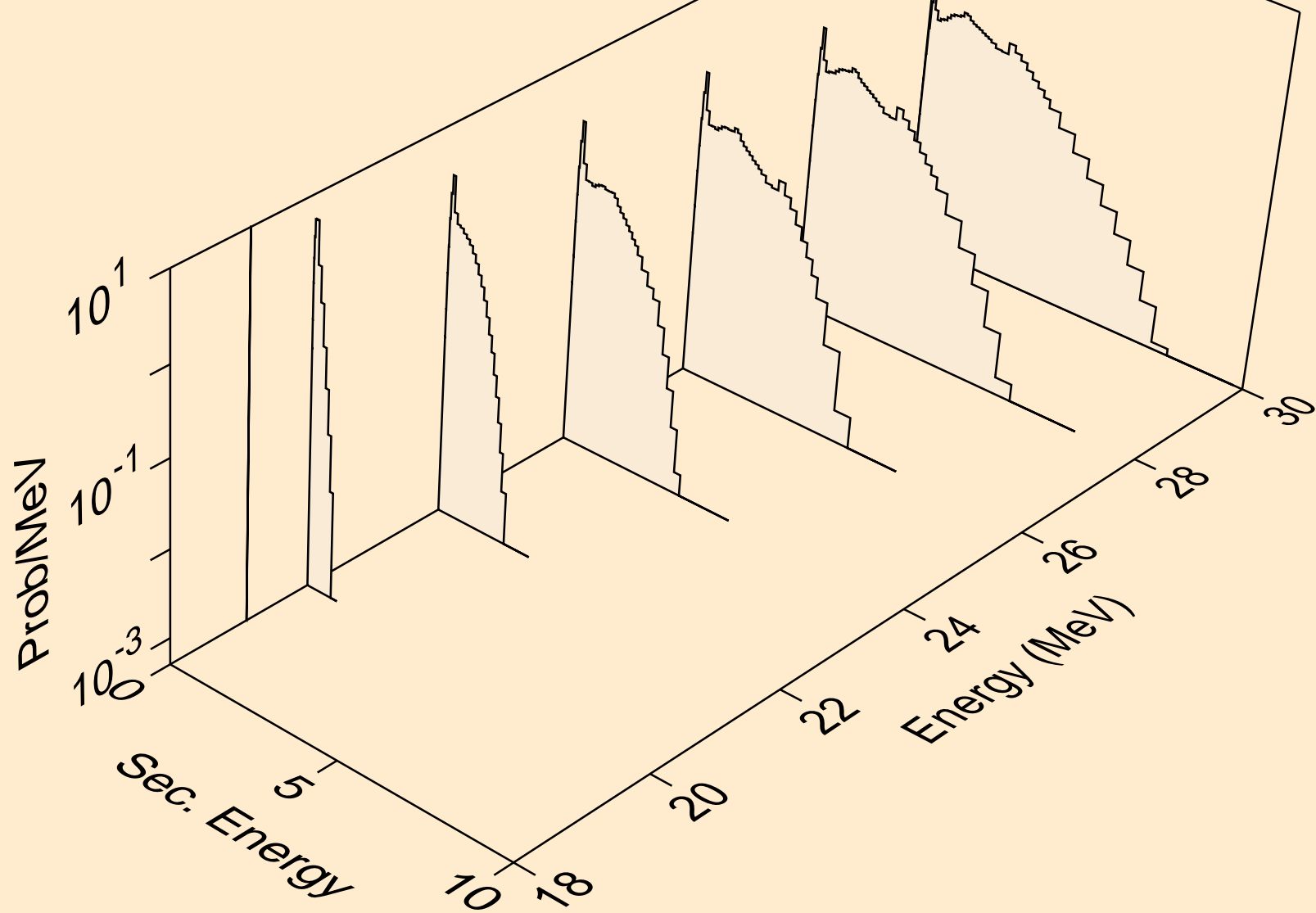
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,4n)



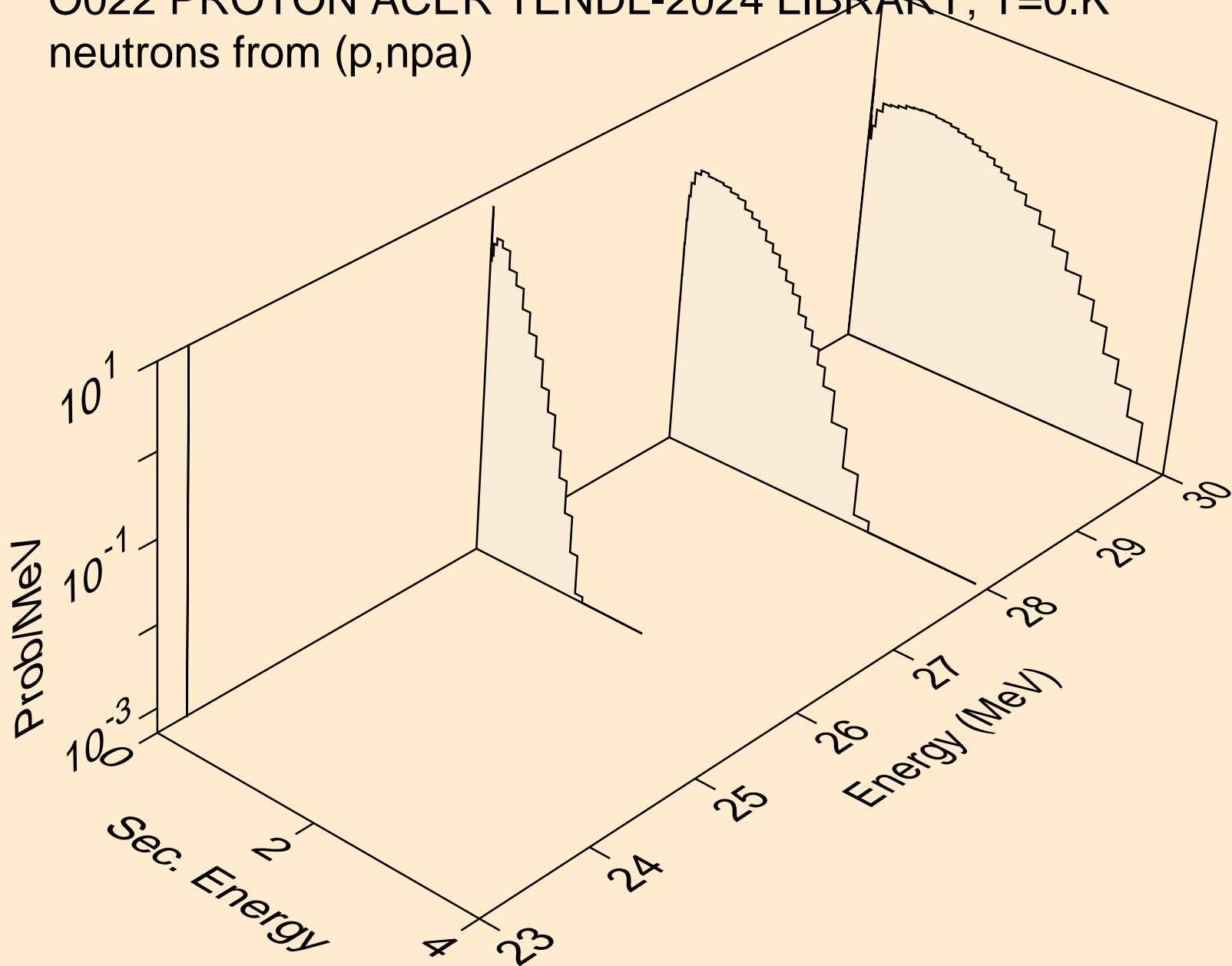
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,2np)



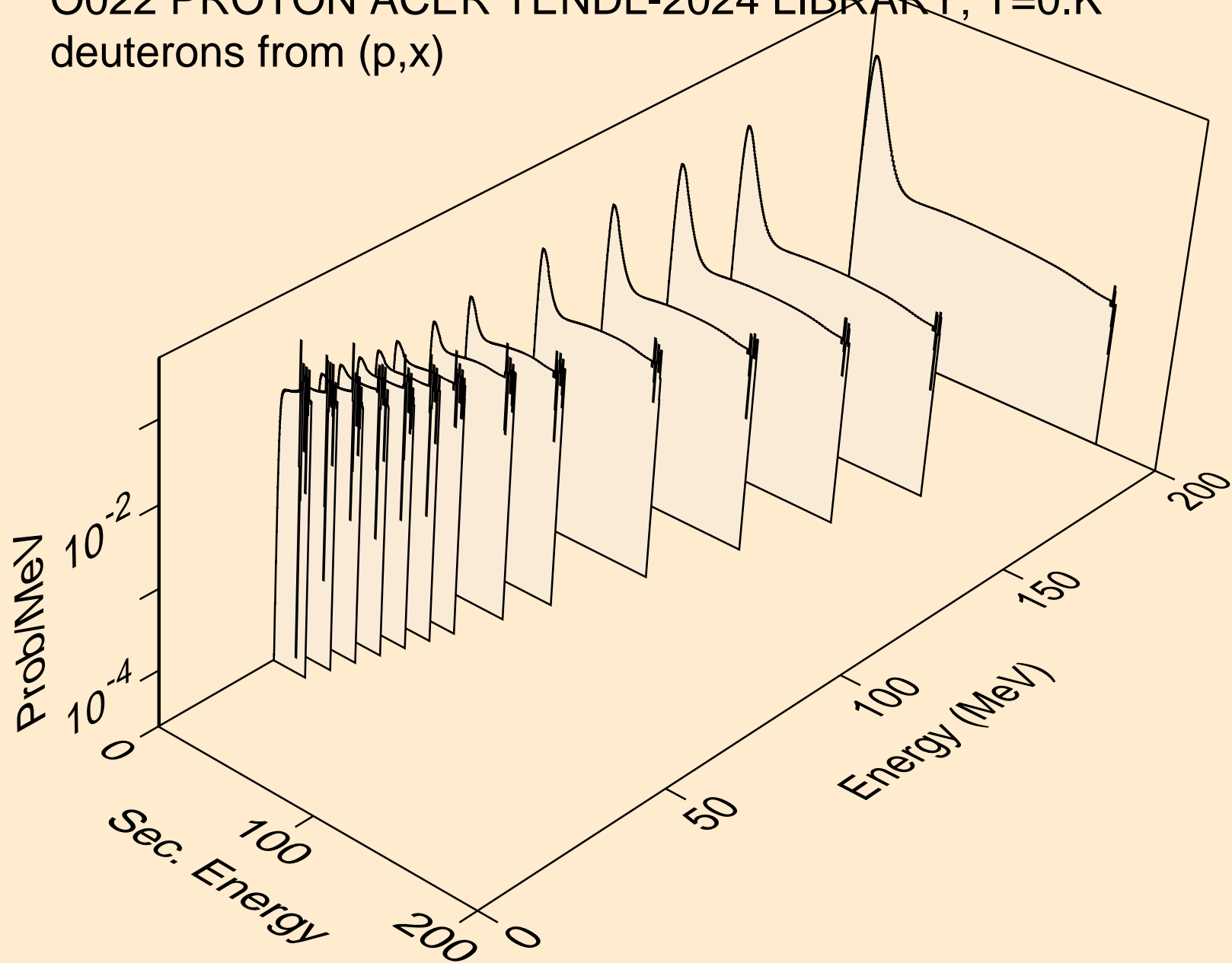
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,3np)



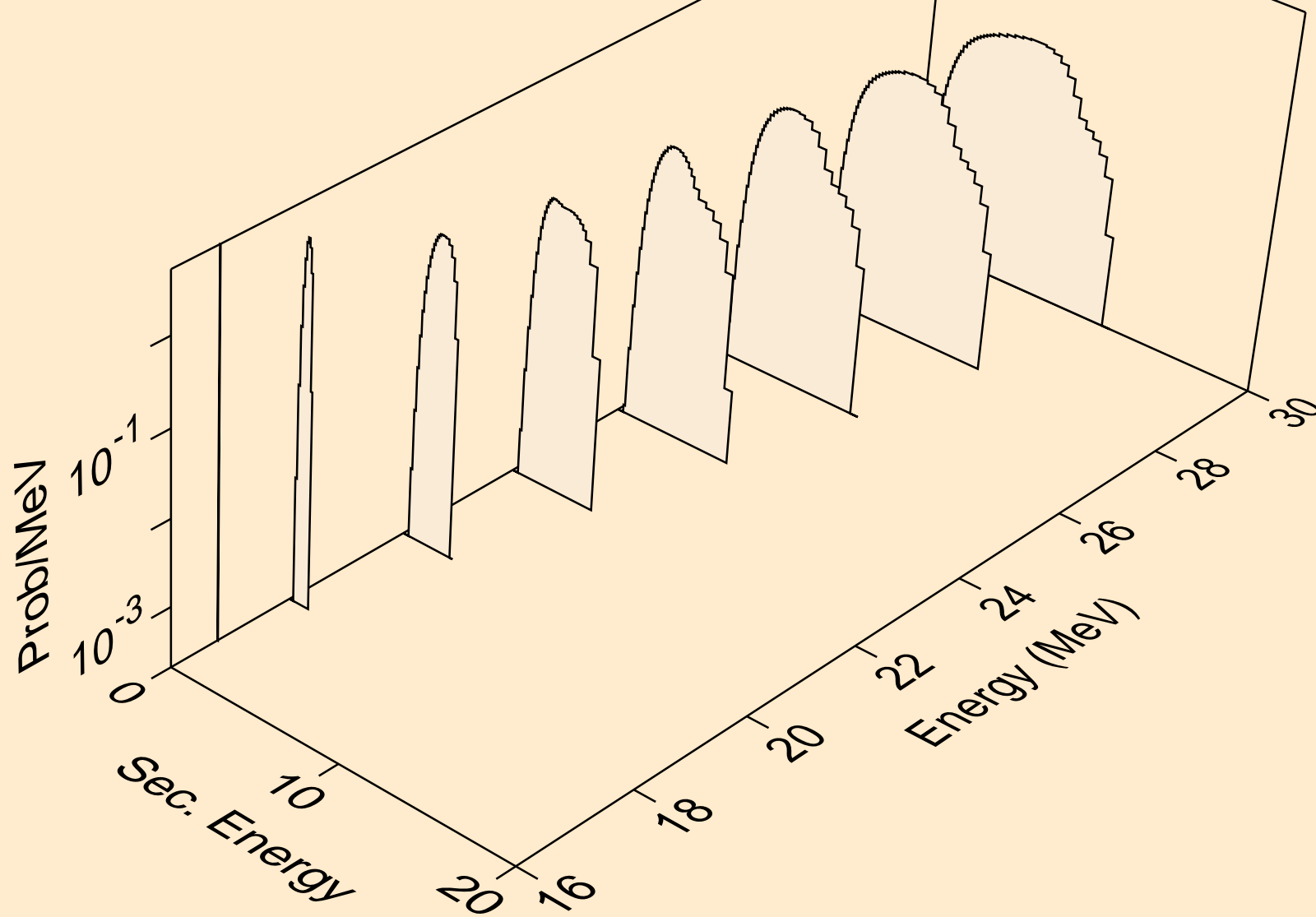
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,npa)



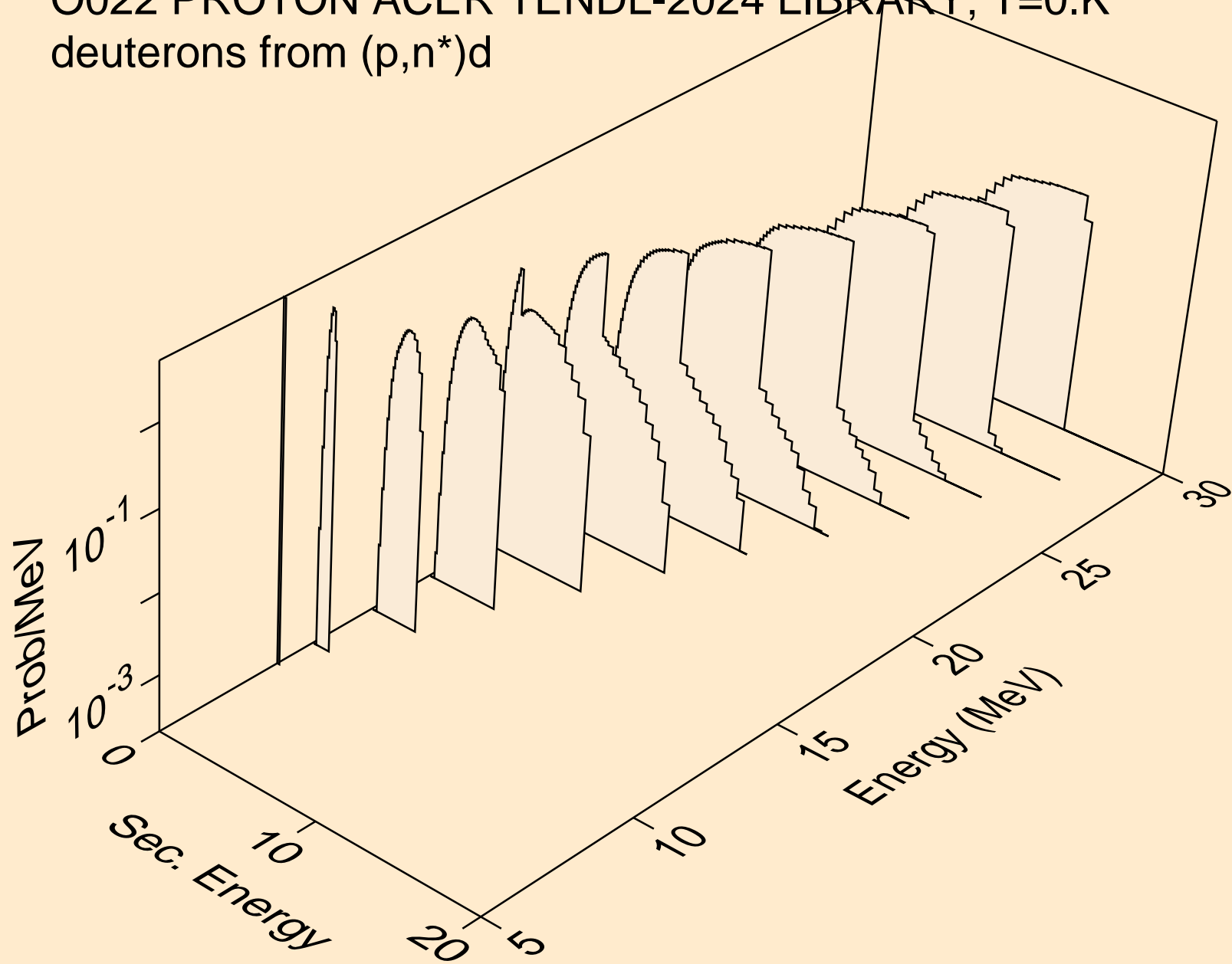
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,x)



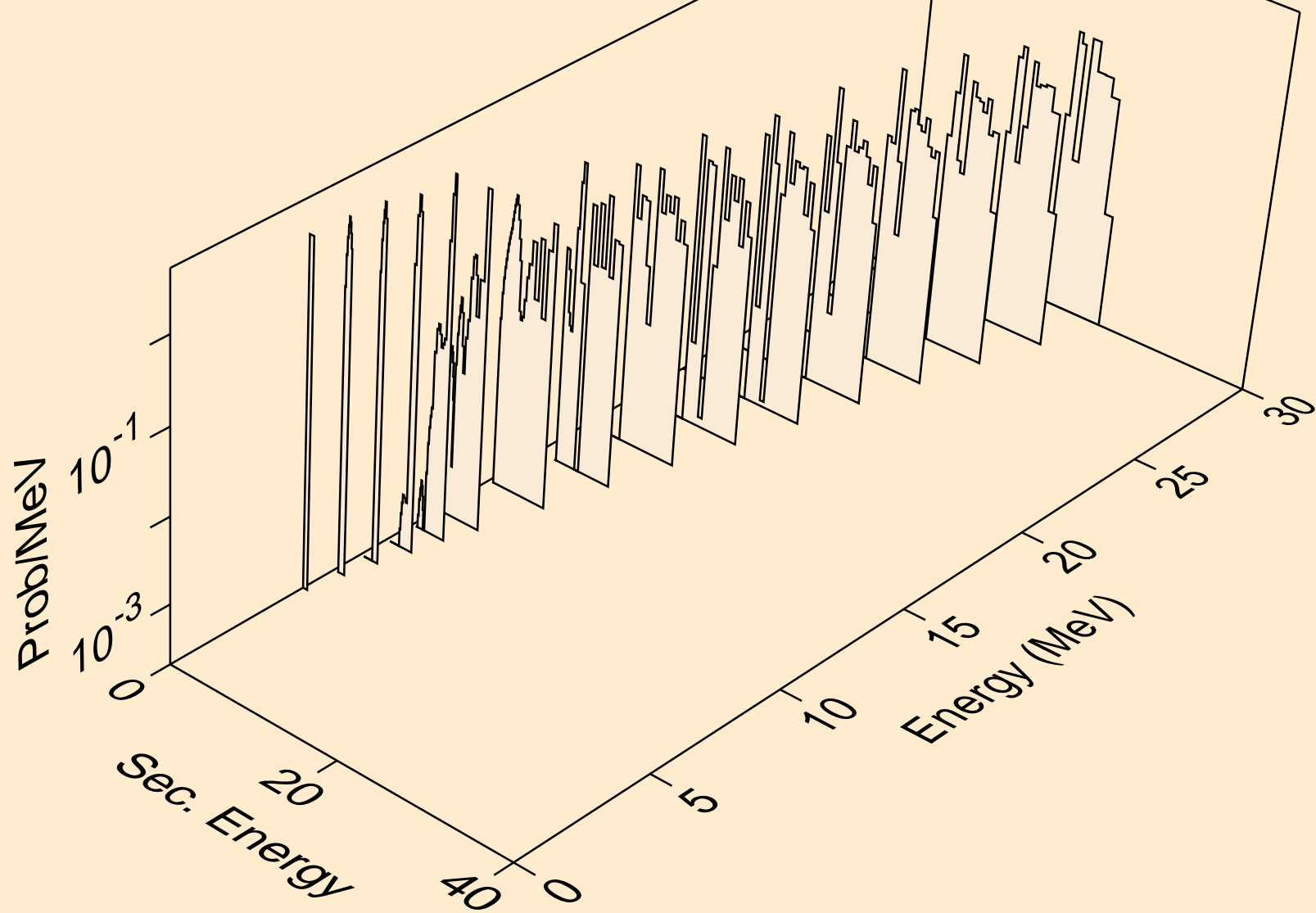
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,2nd)



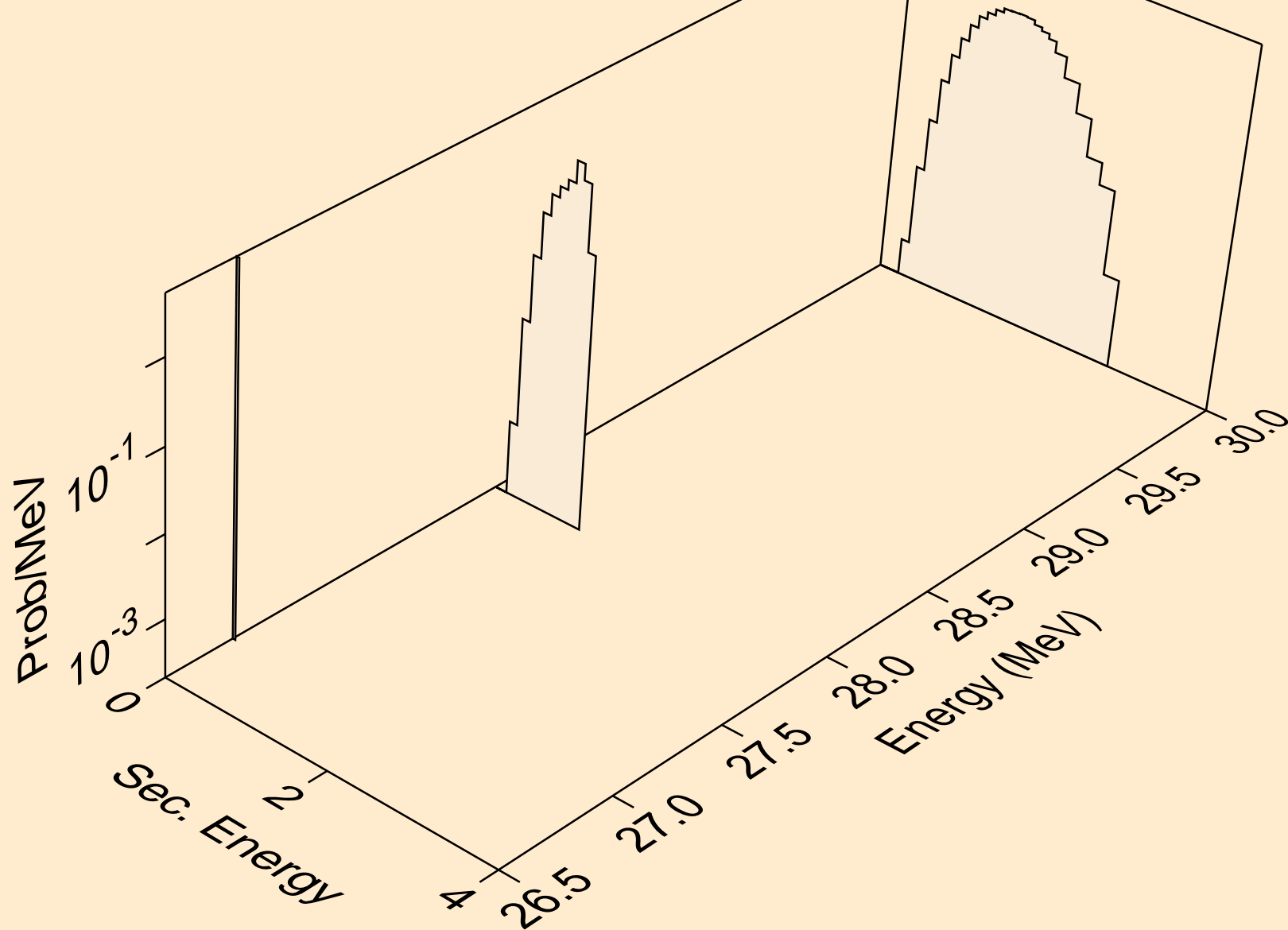
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,n\*)d



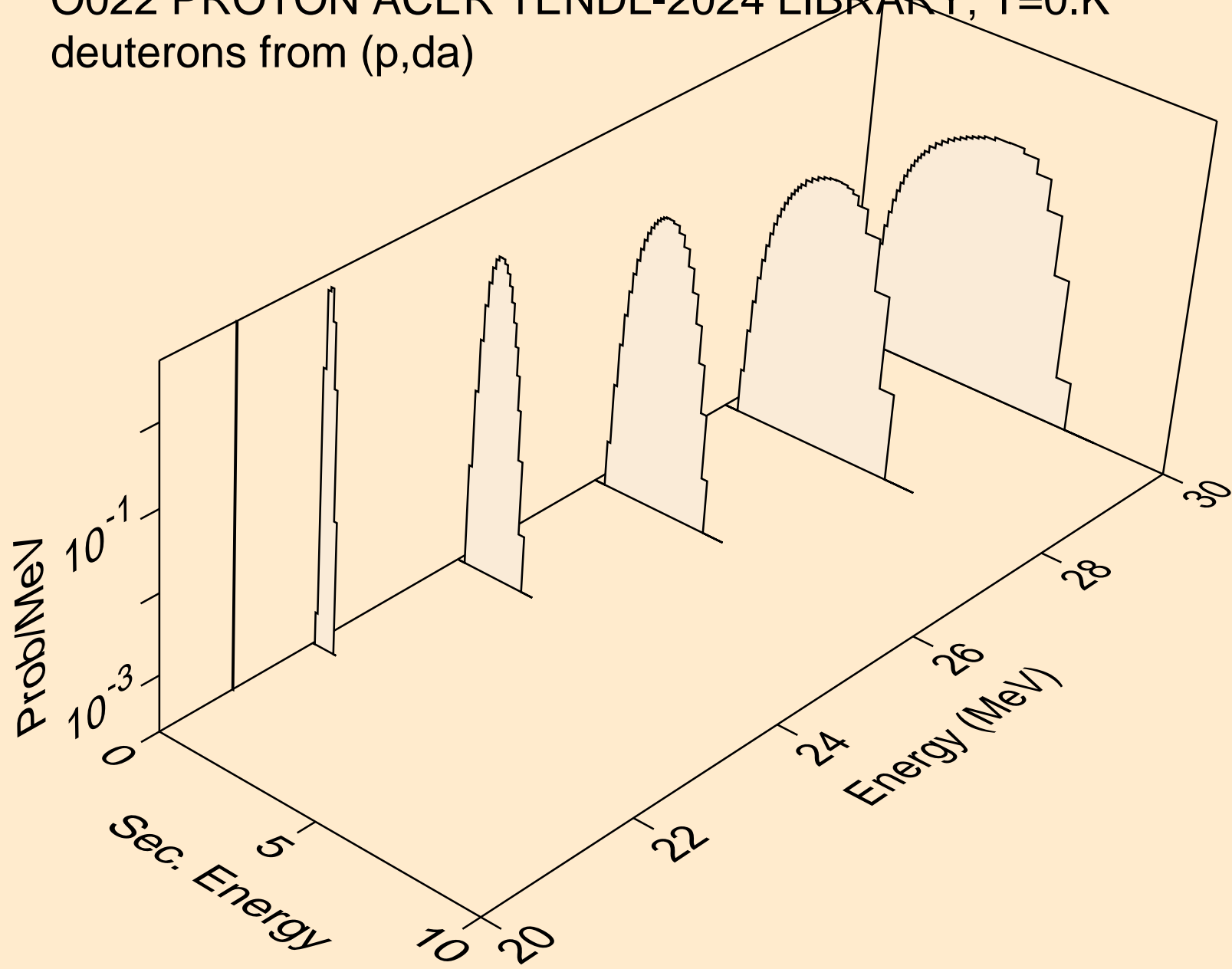
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,d)



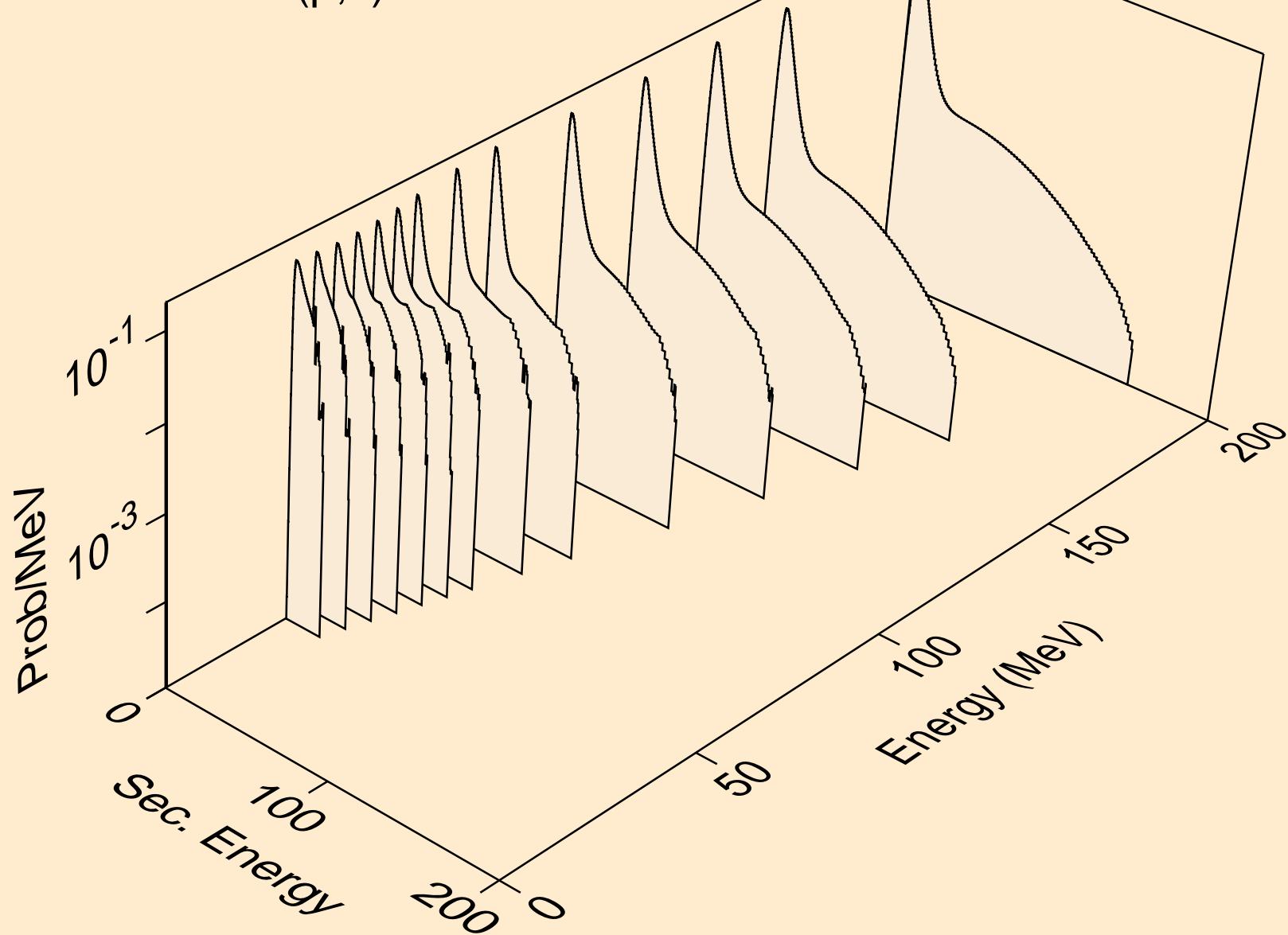
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,pd)



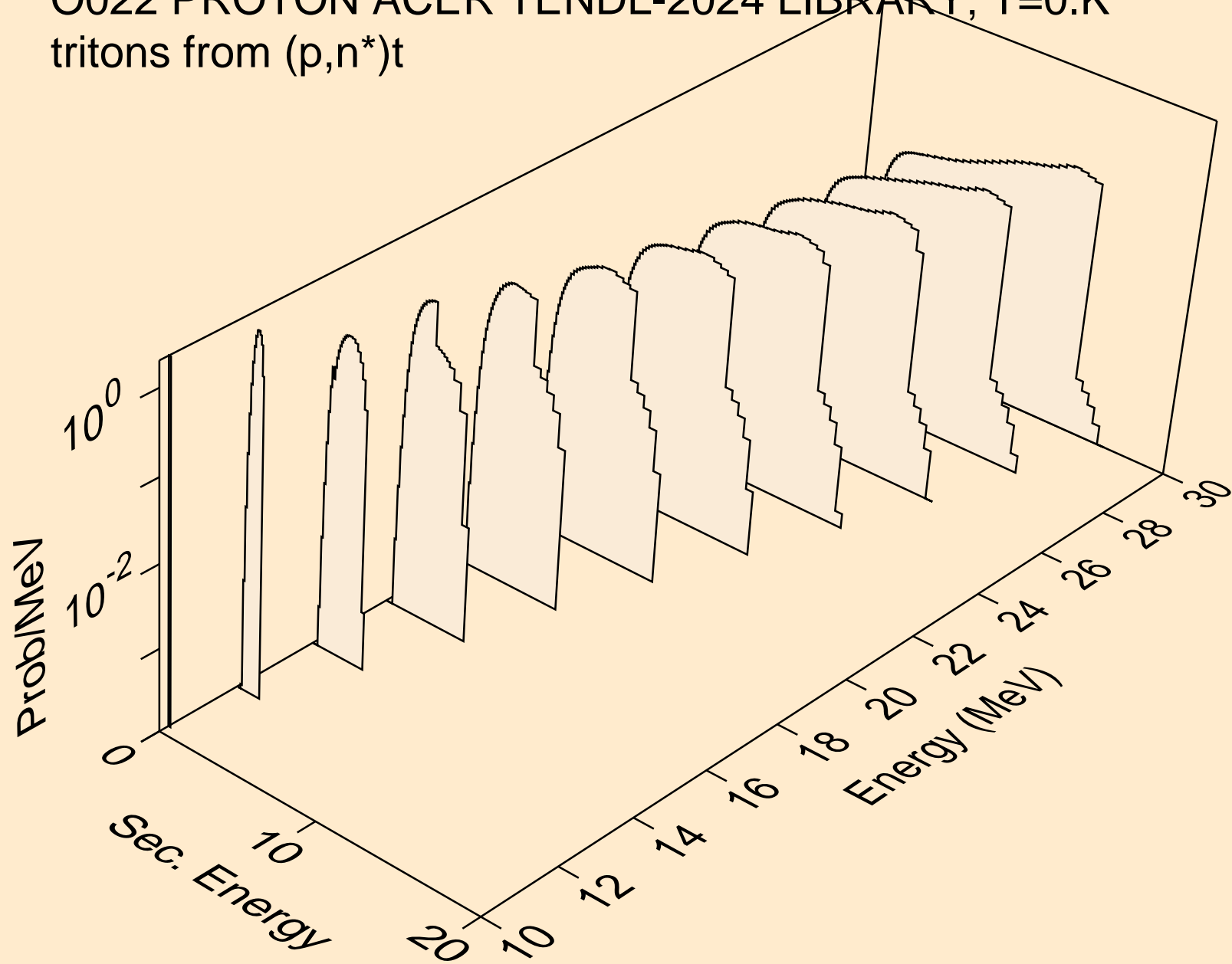
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,da)



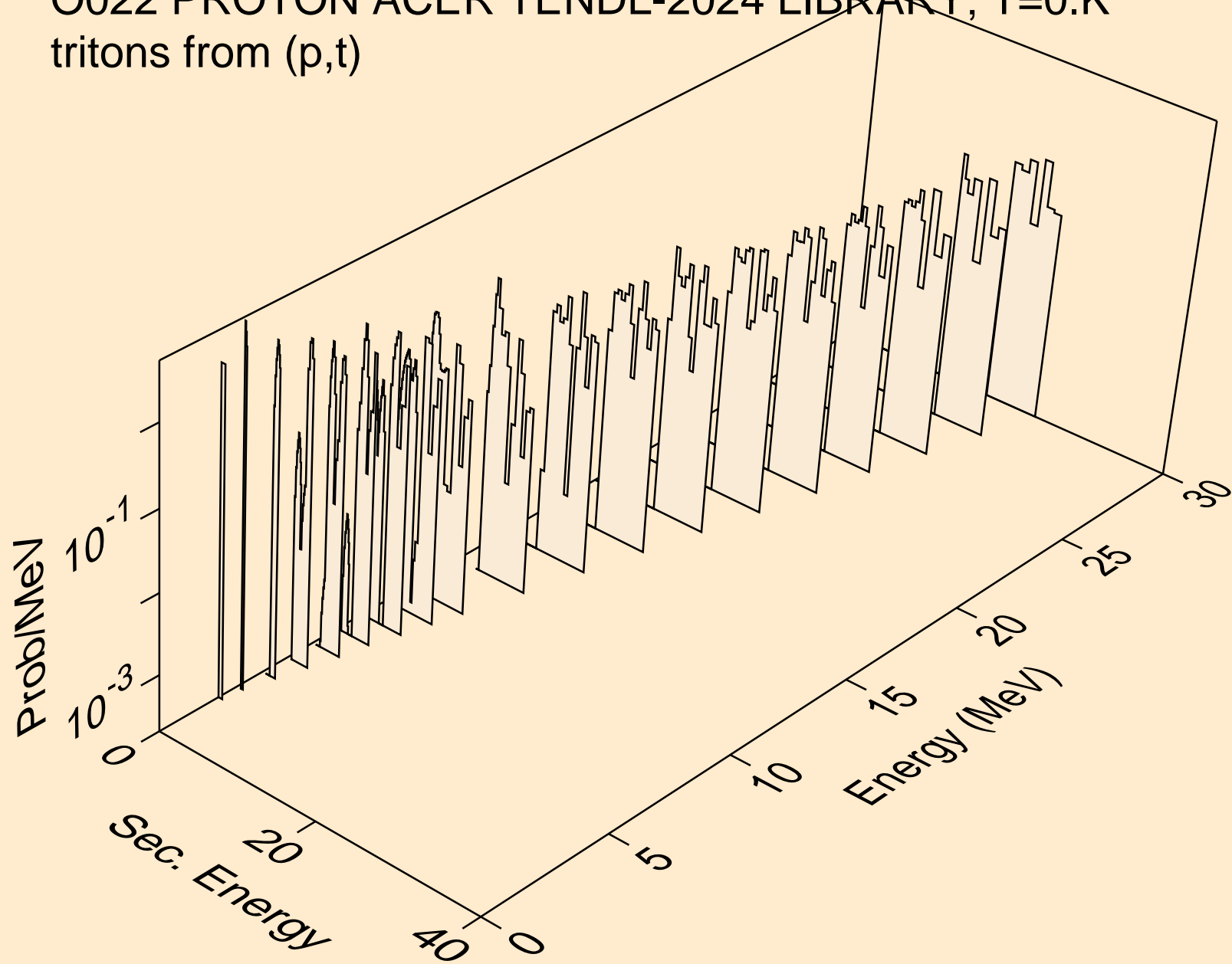
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (p,x)



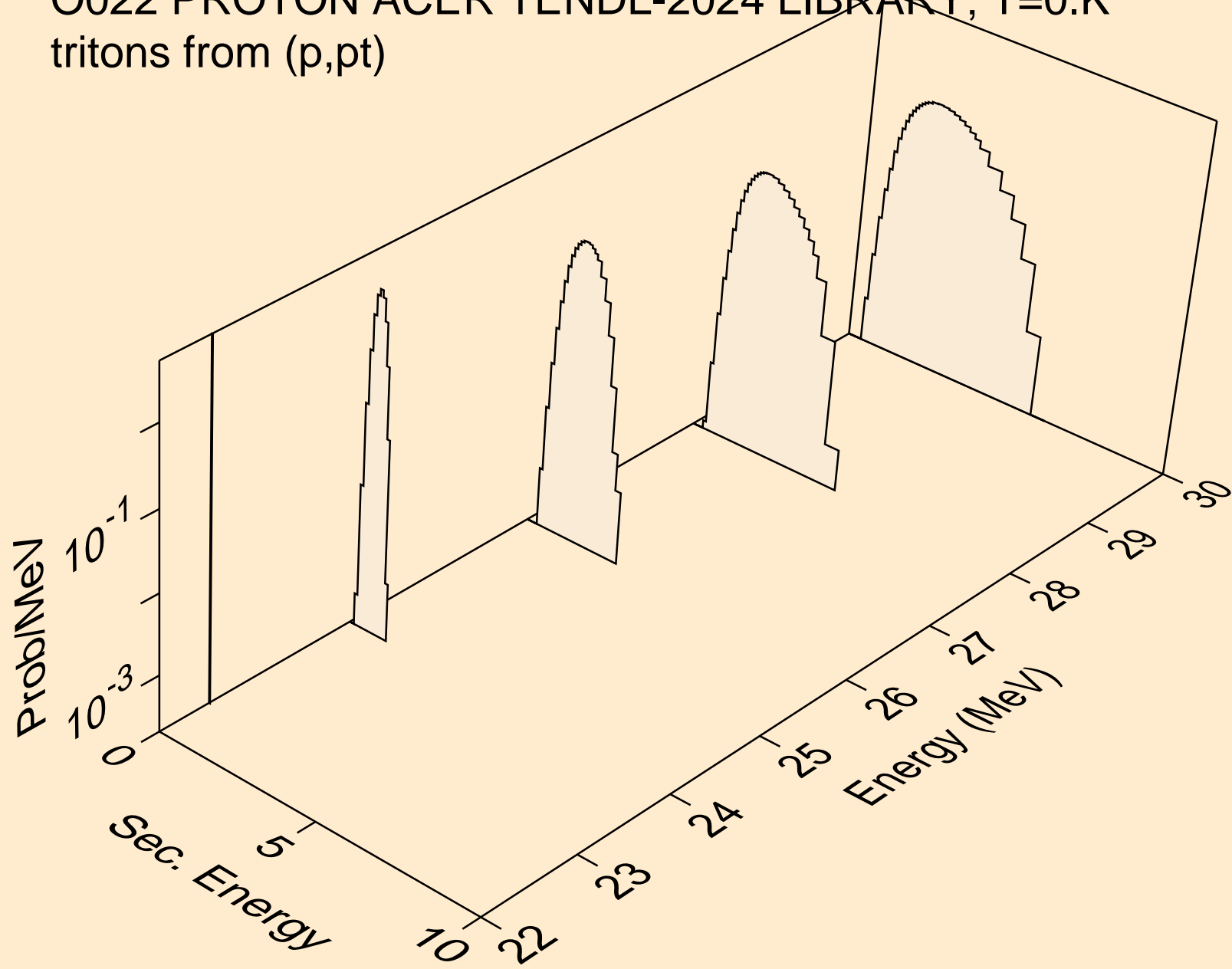
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (p,n\*)t



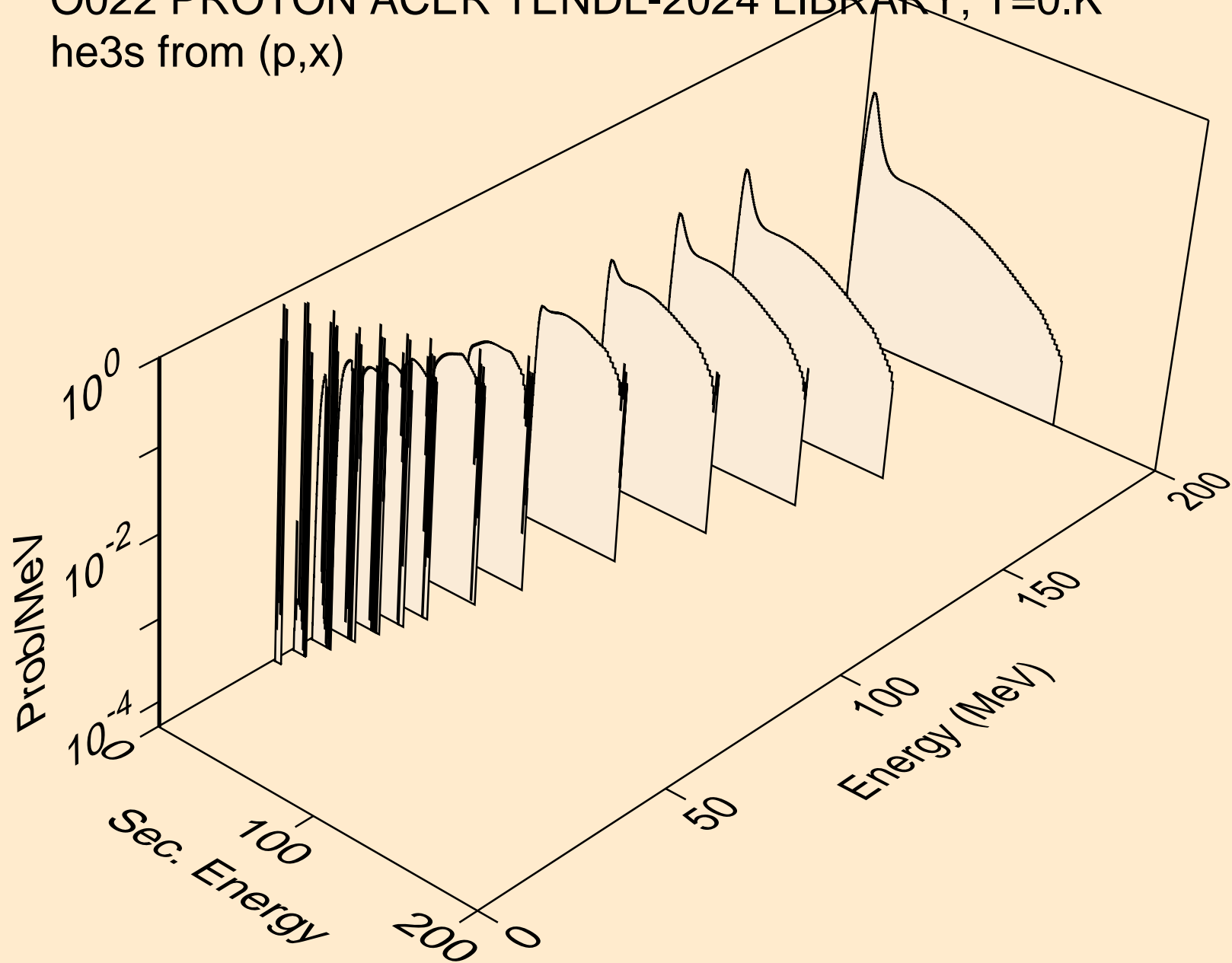
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (p,t)



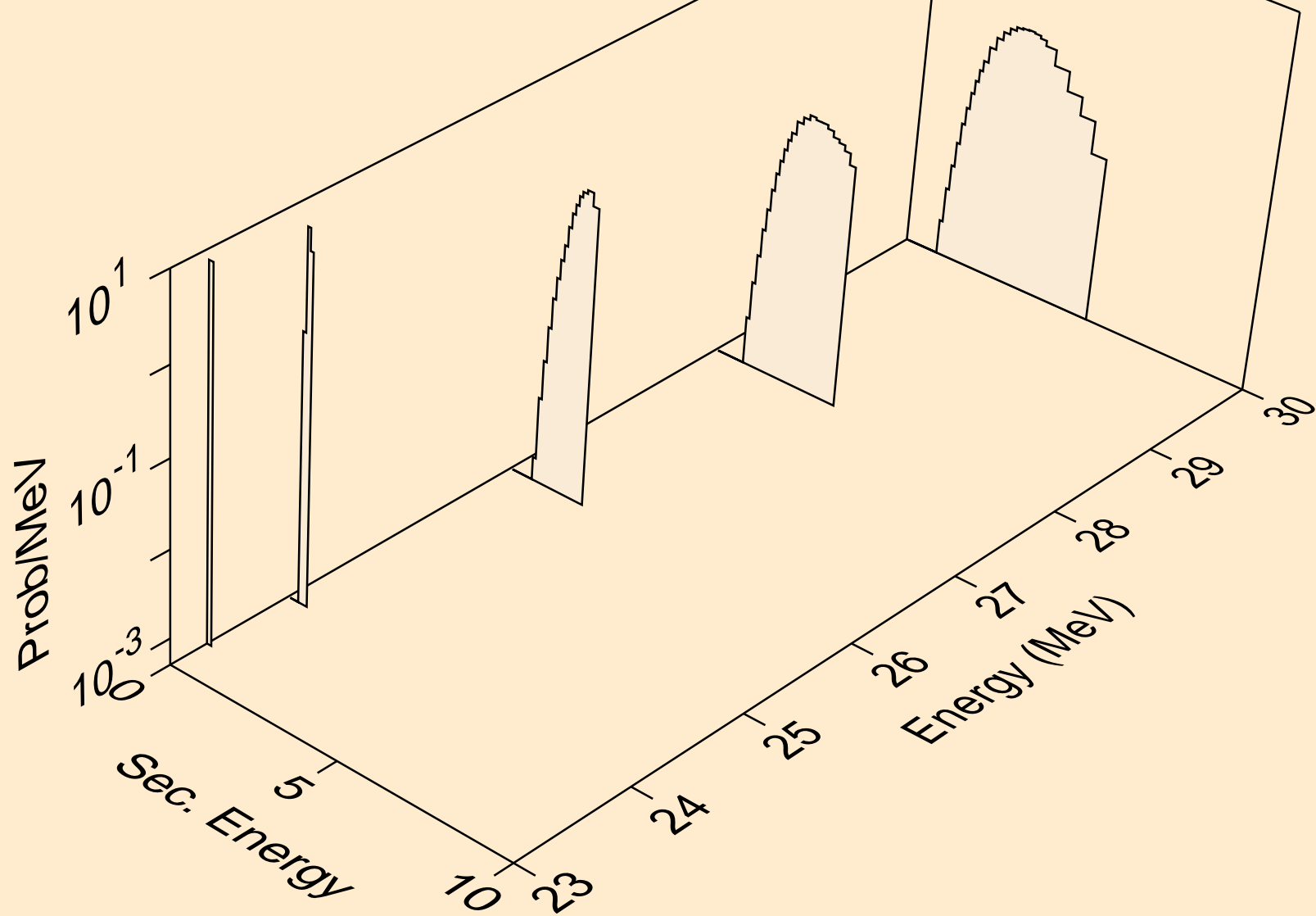
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (p,pt)



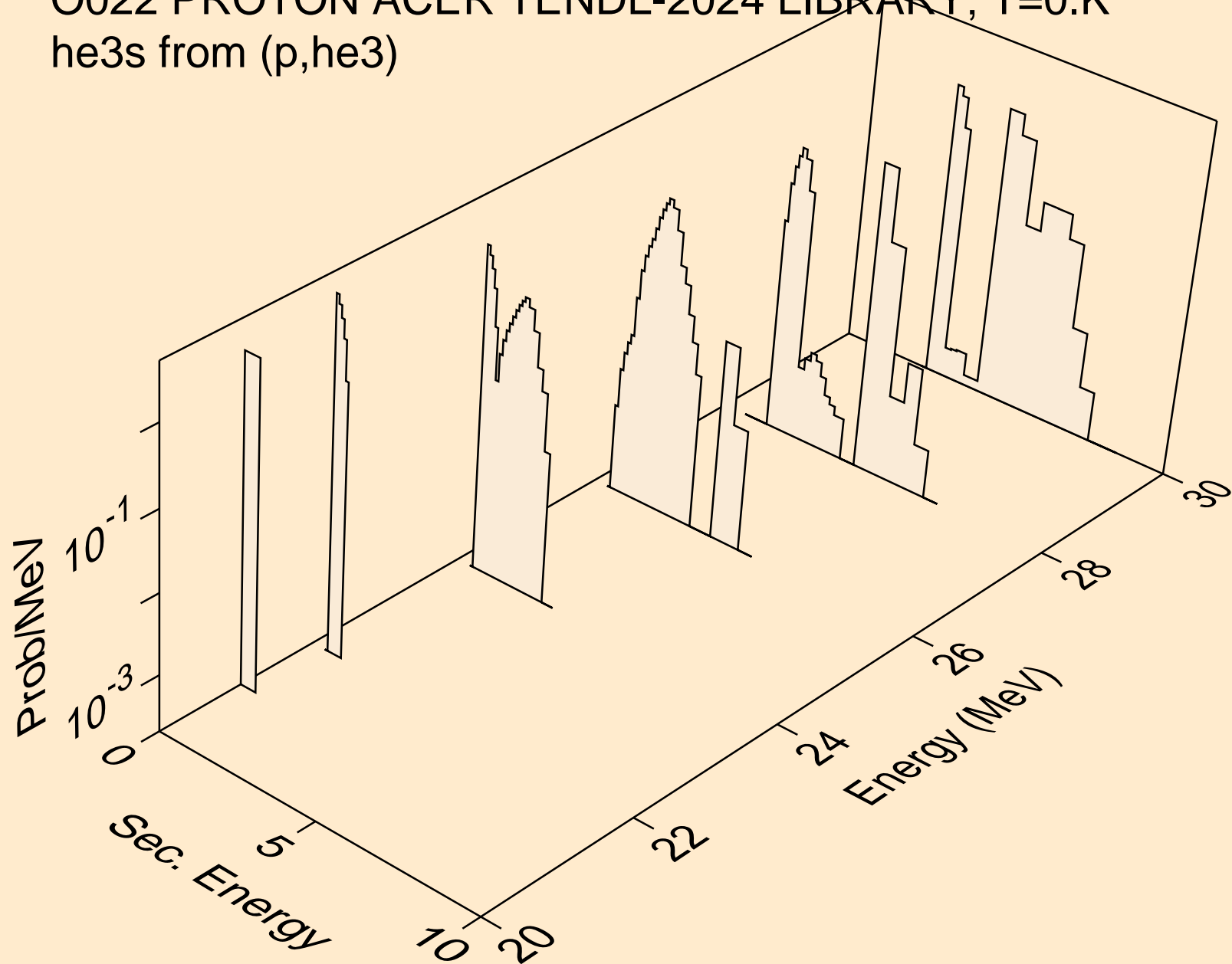
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (p,x)



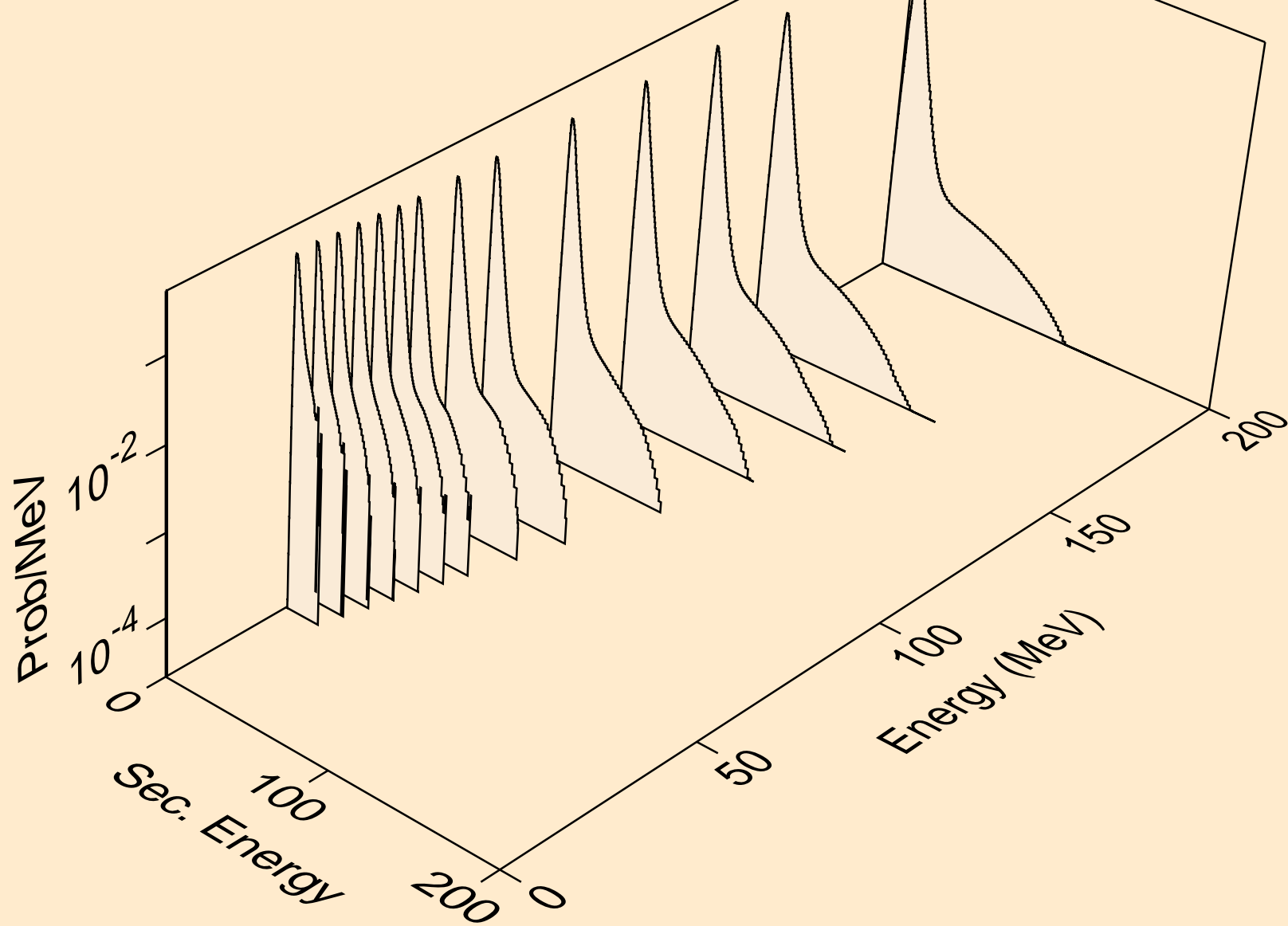
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (p,n\*)he3



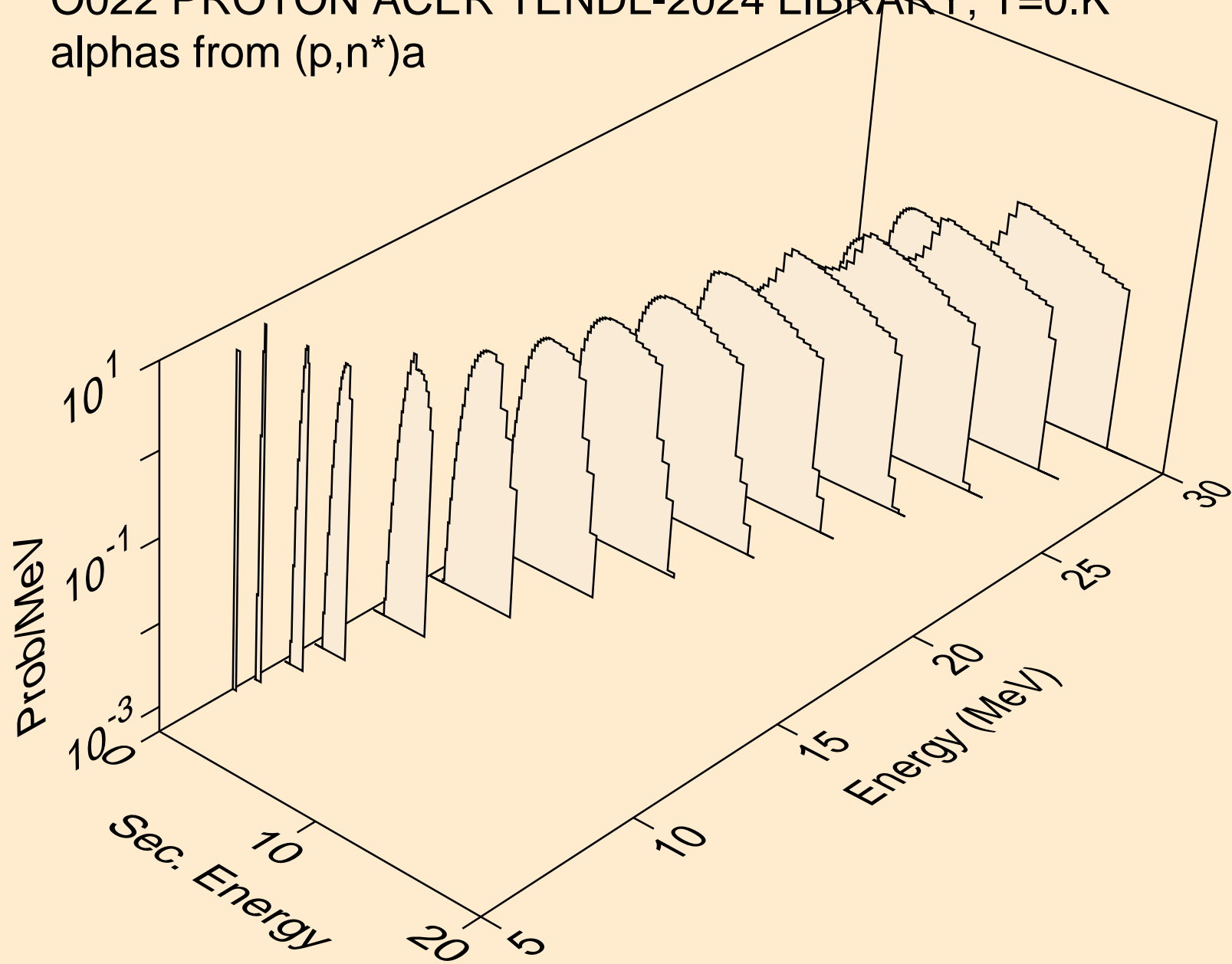
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (p,he3)



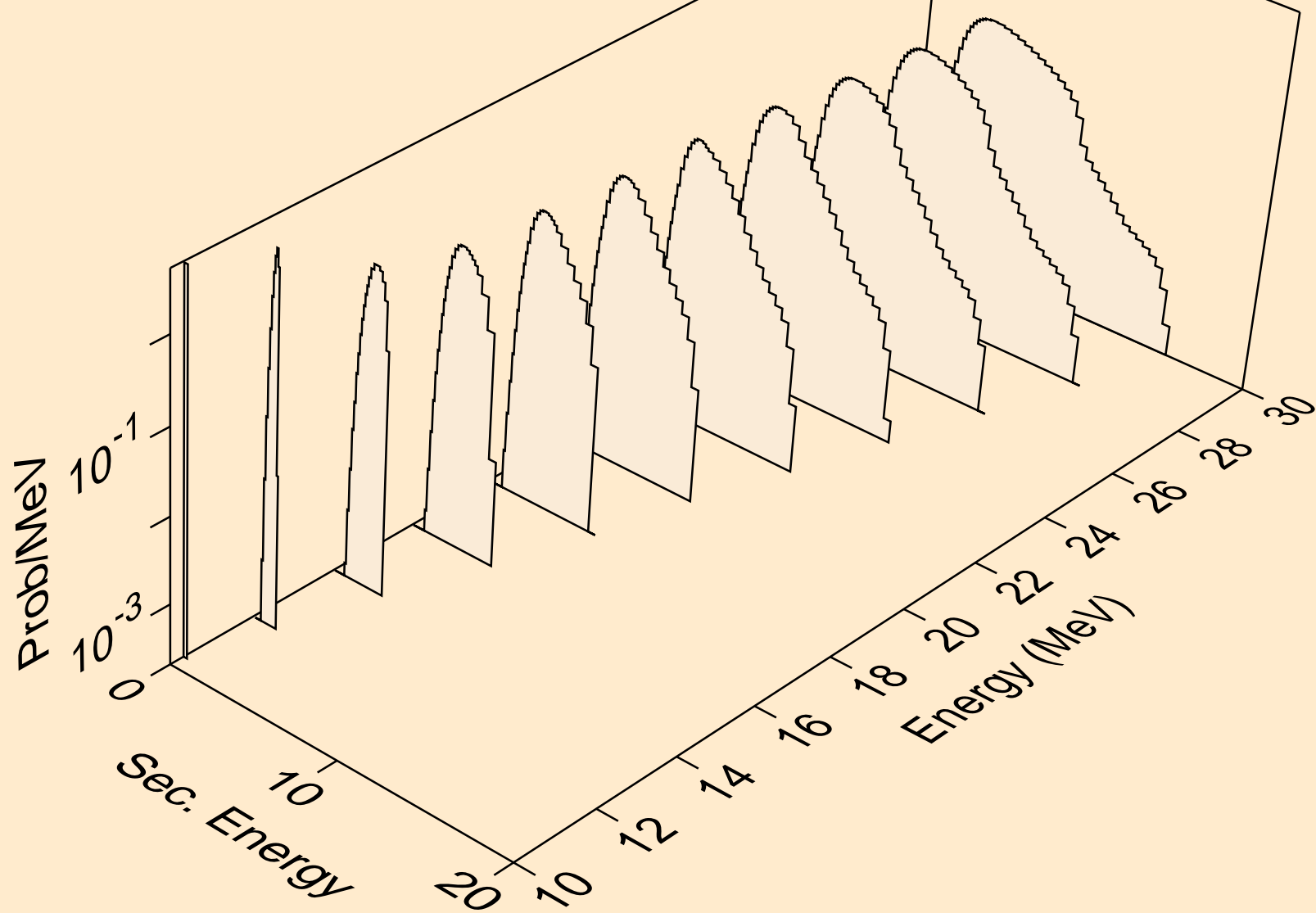
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,x)



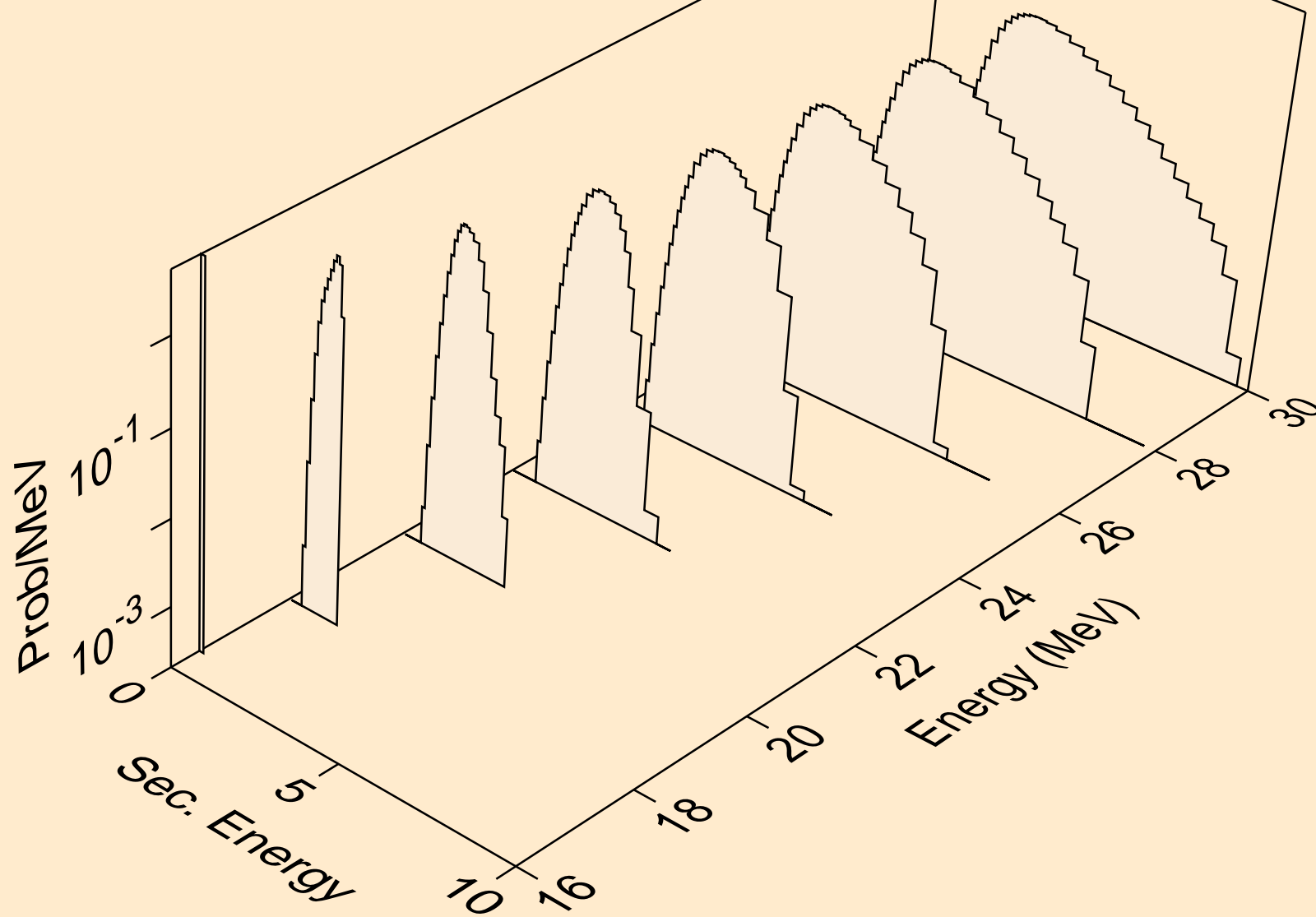
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,n\*)a



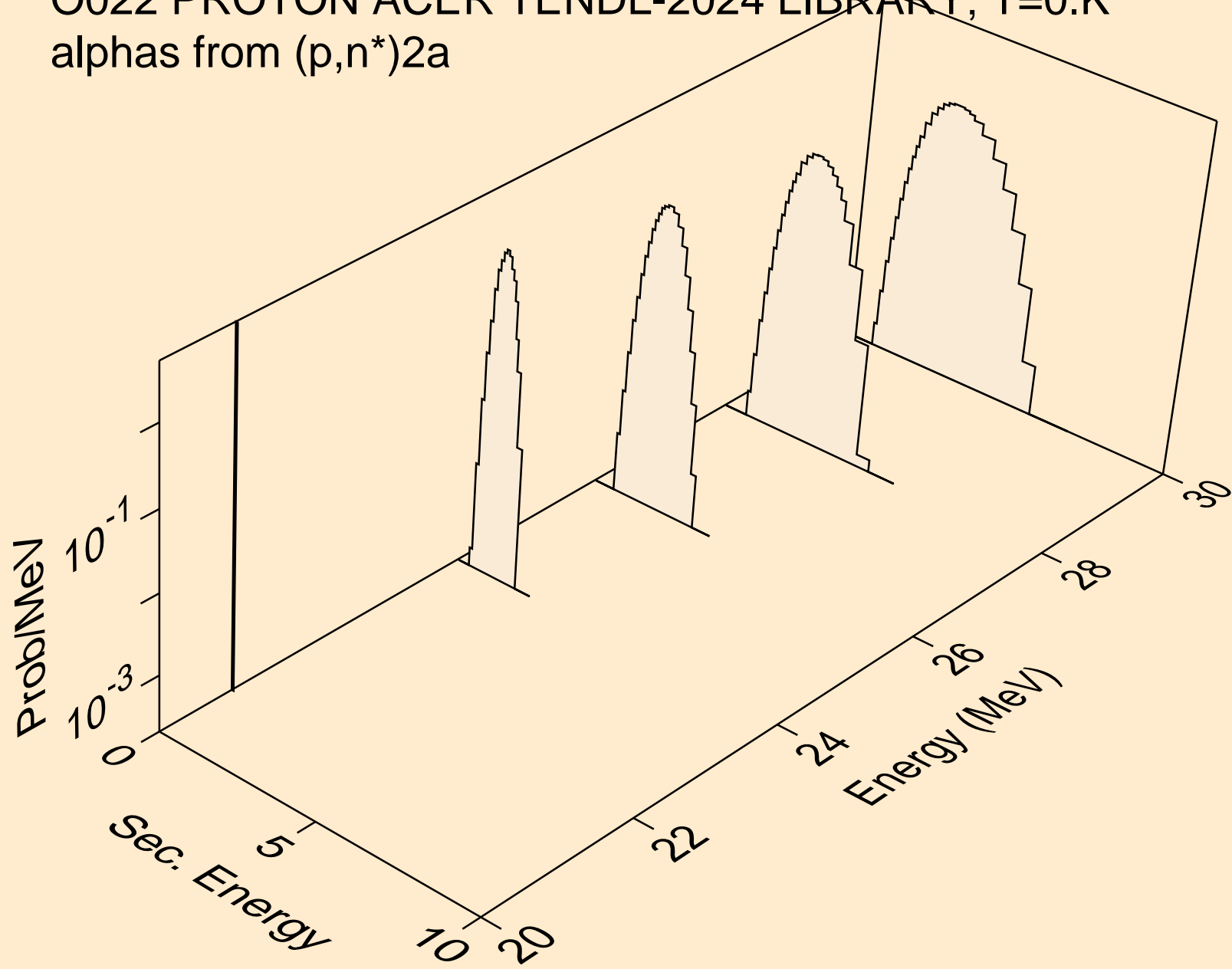
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,2n)a



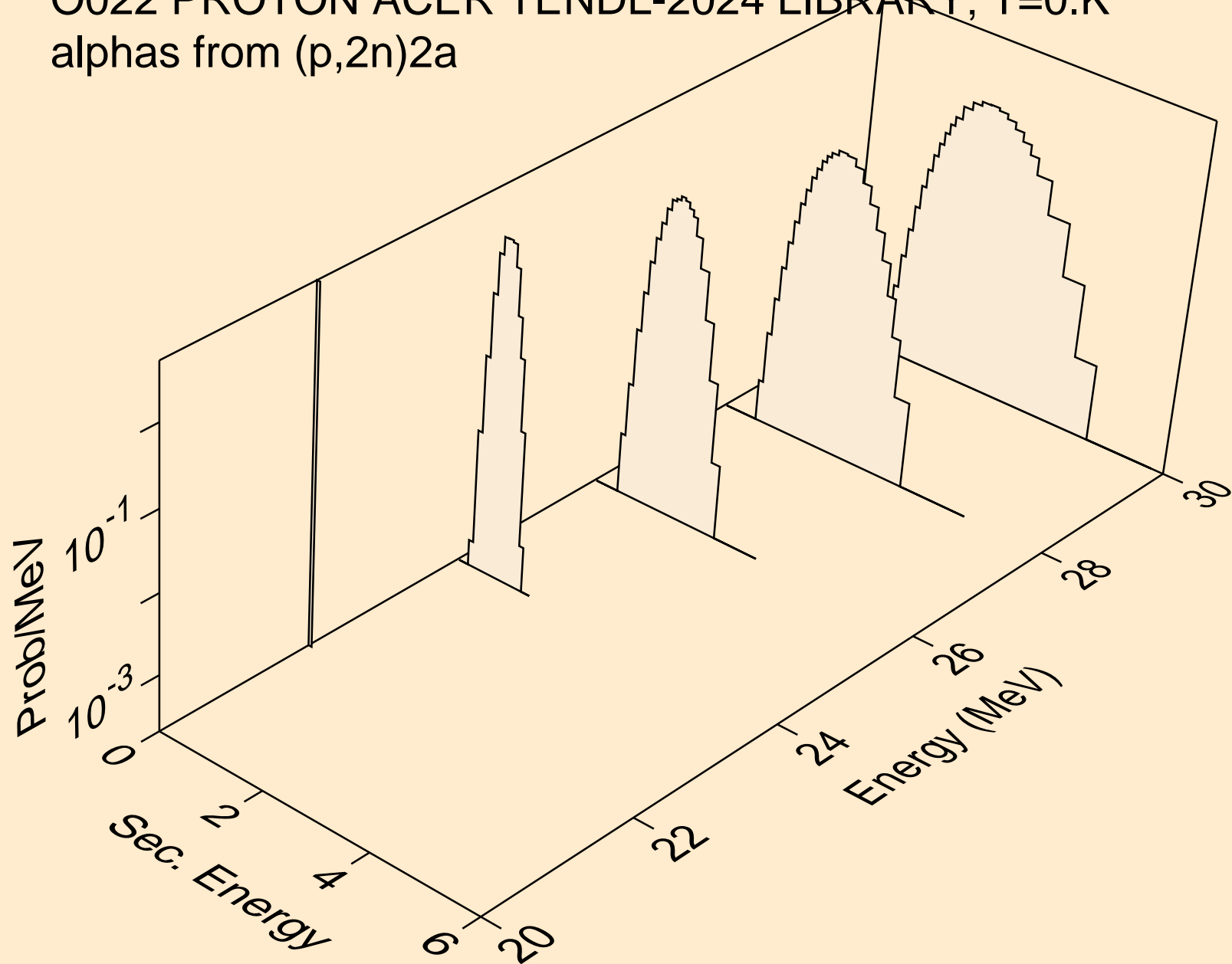
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,3n)a



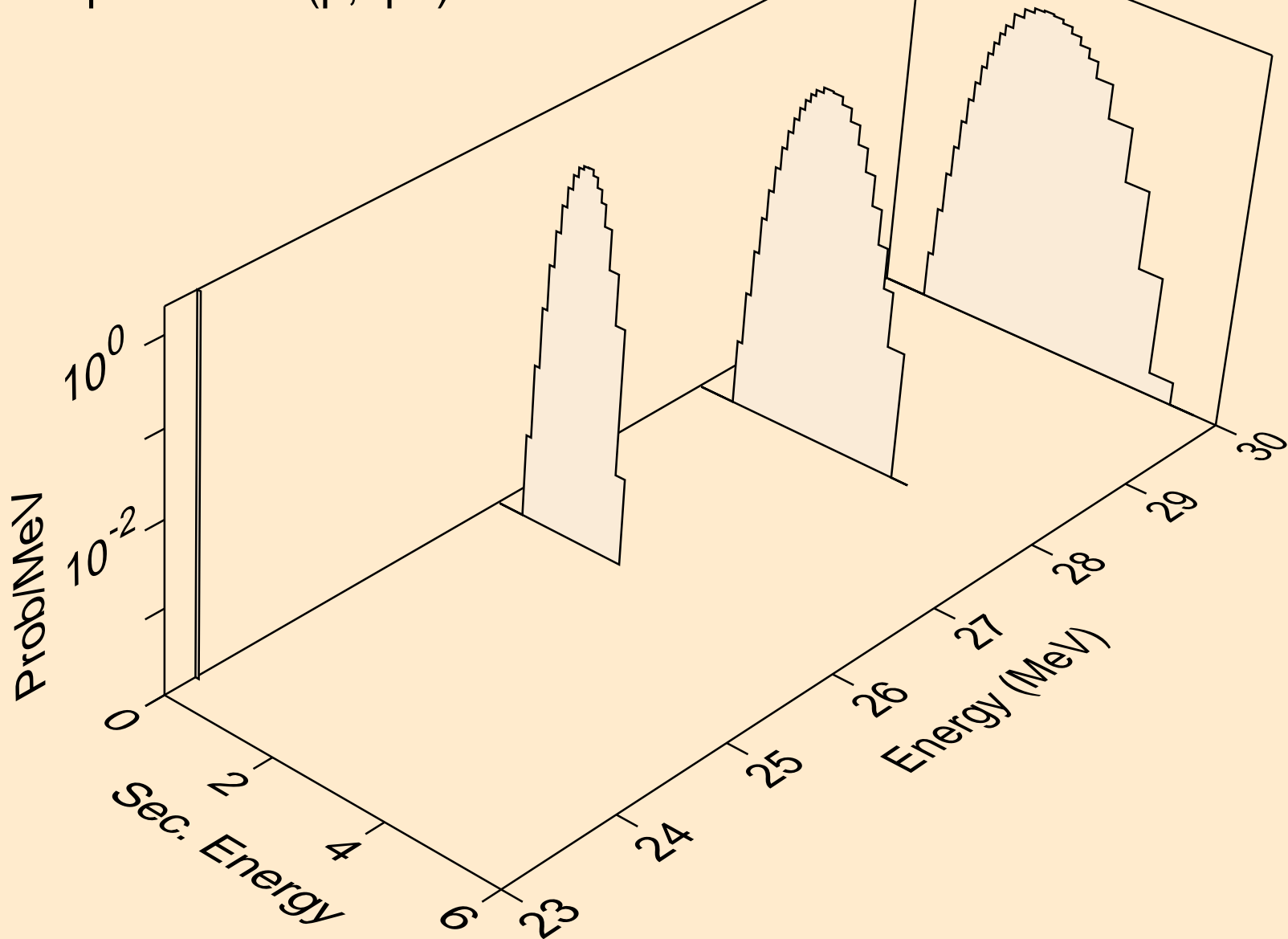
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,n\*)2a



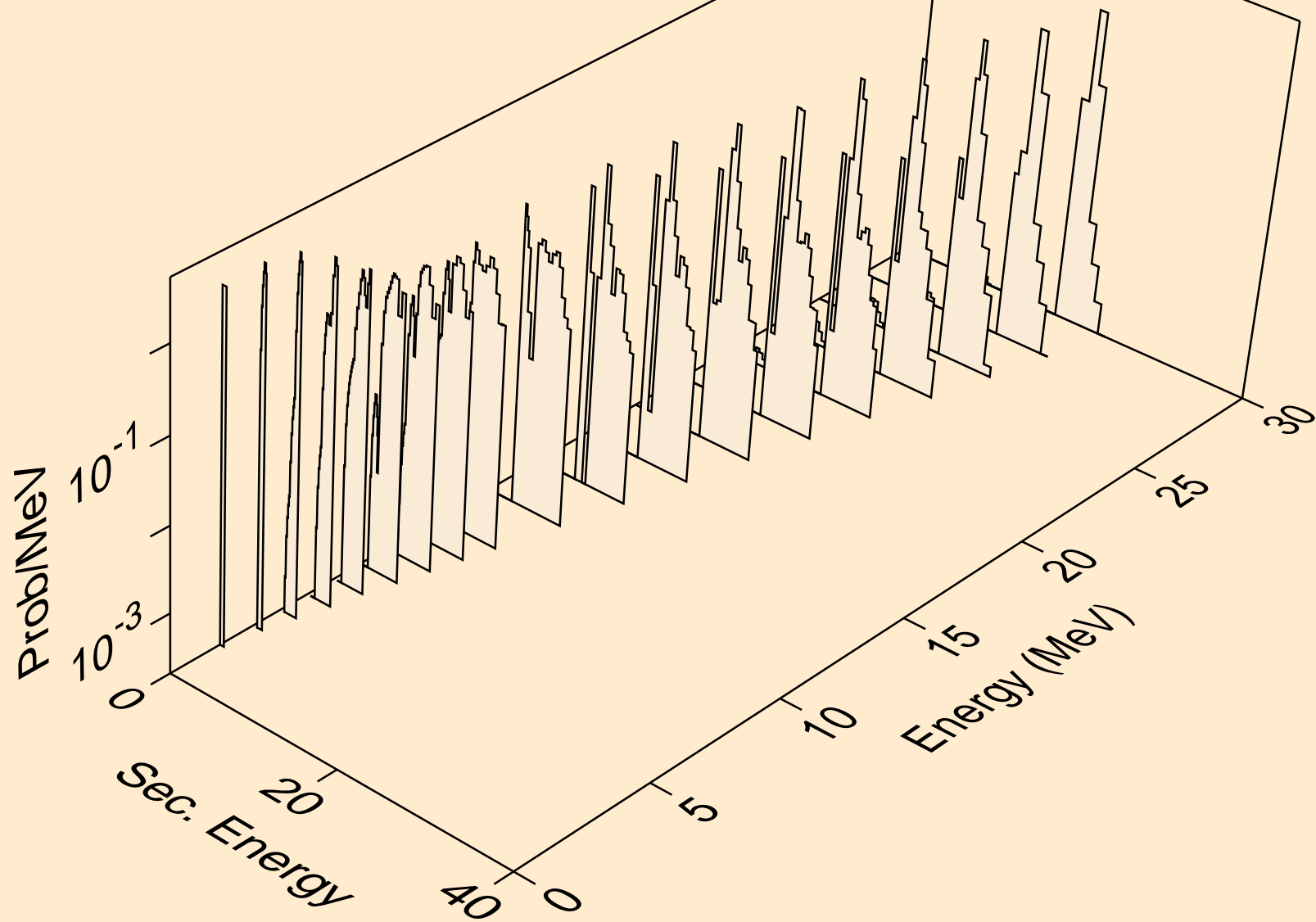
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,2n)2a



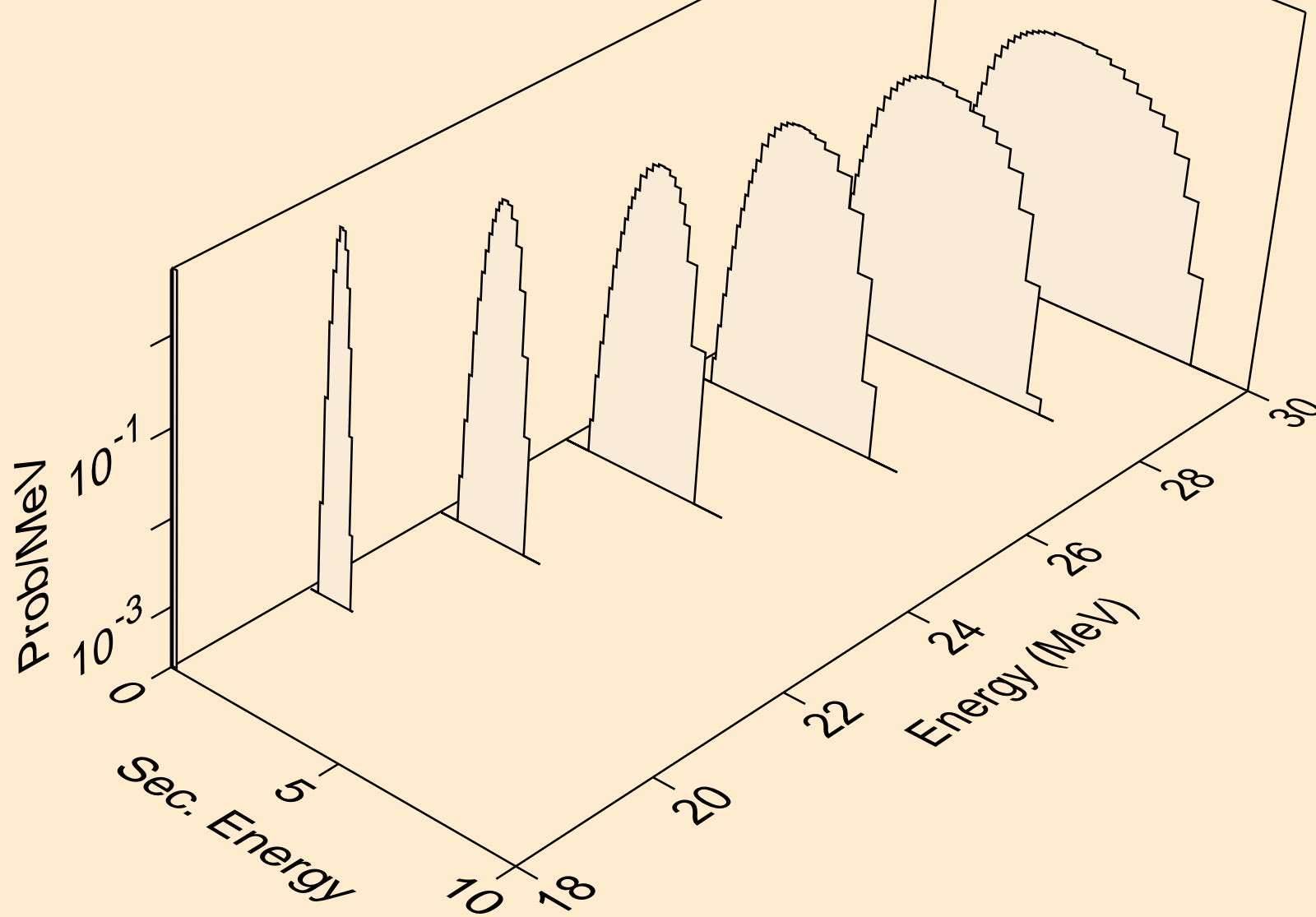
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,npa)



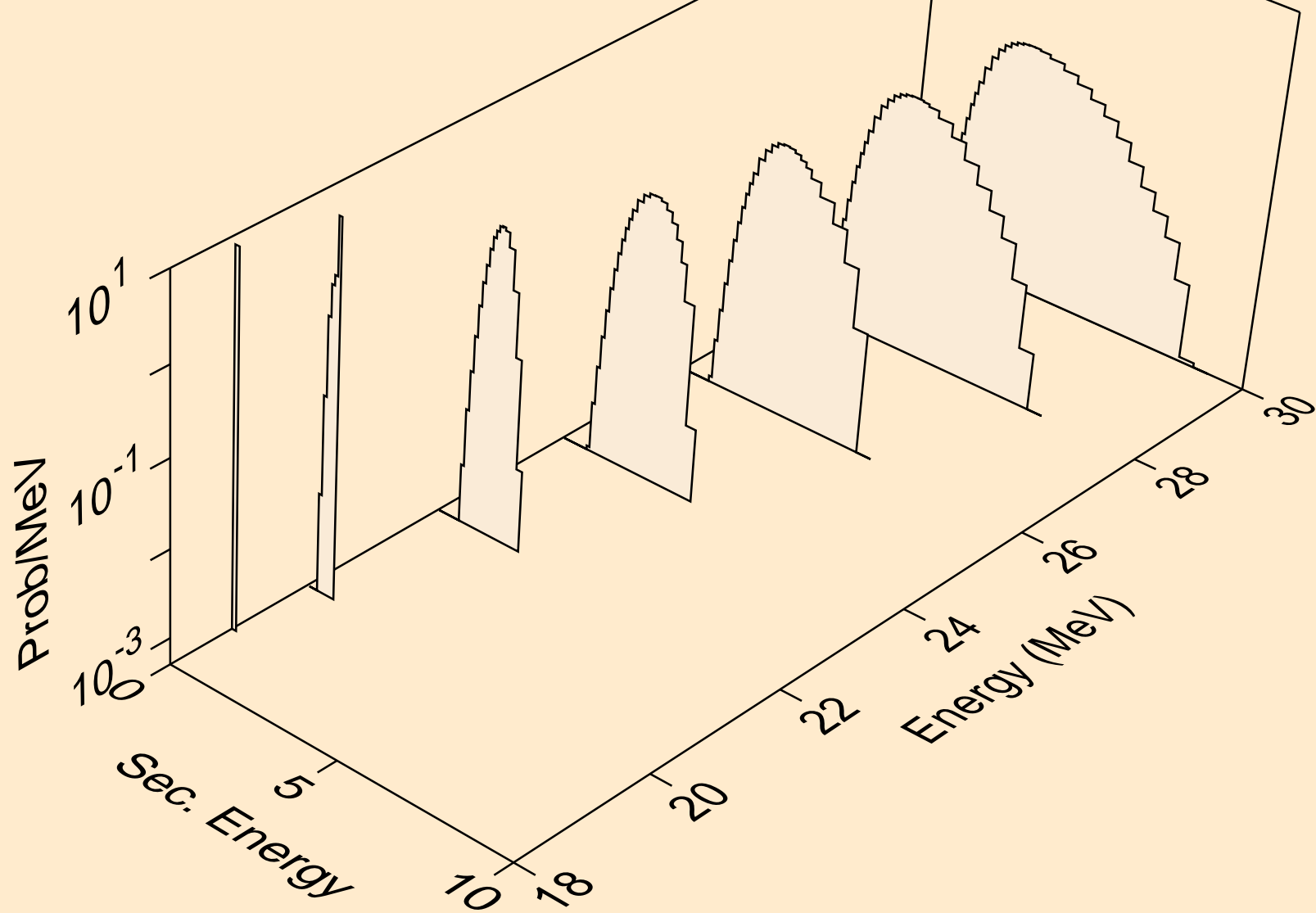
O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,a)



O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,2a)



O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,pa)



O022 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,da)

