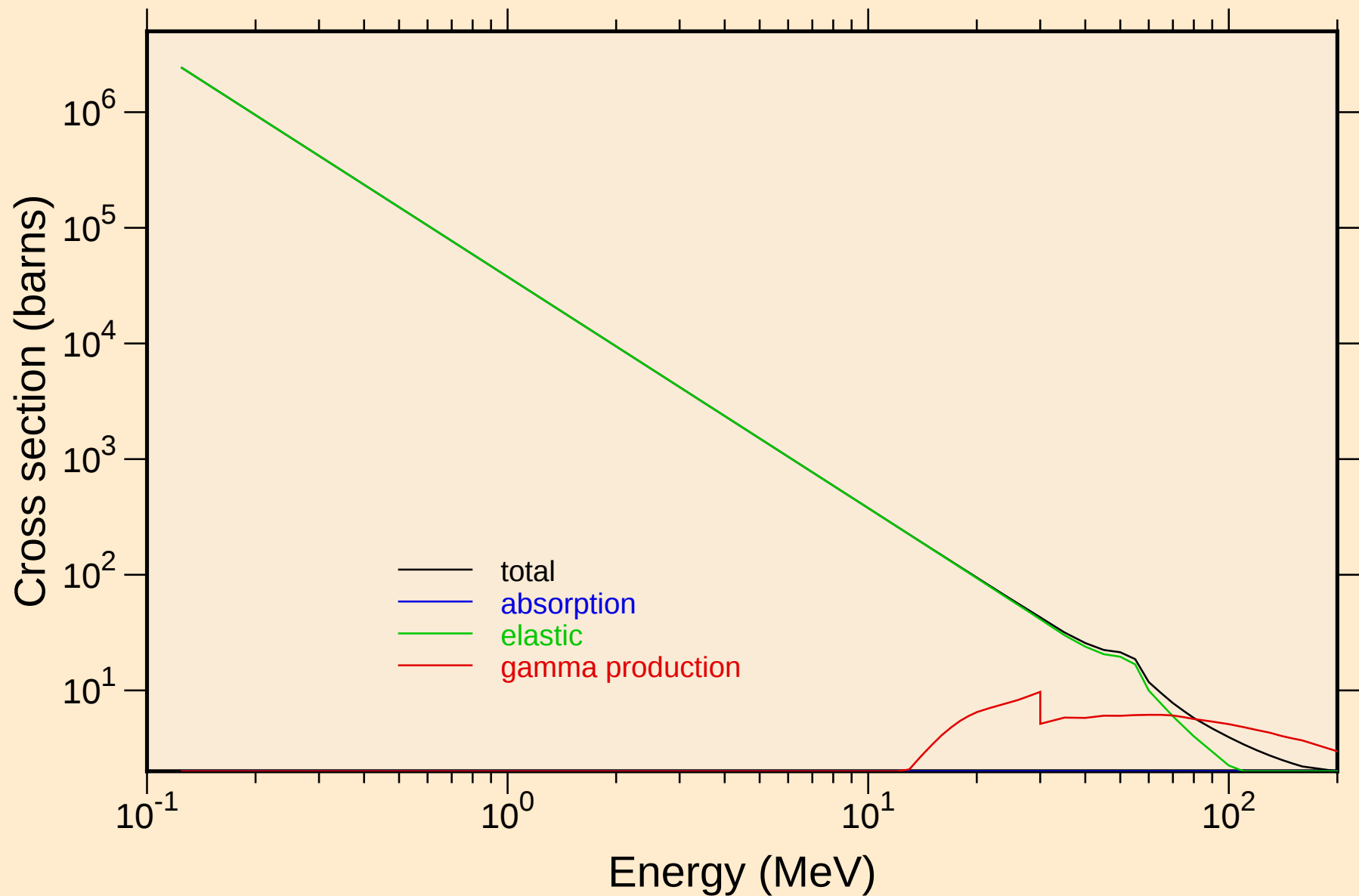


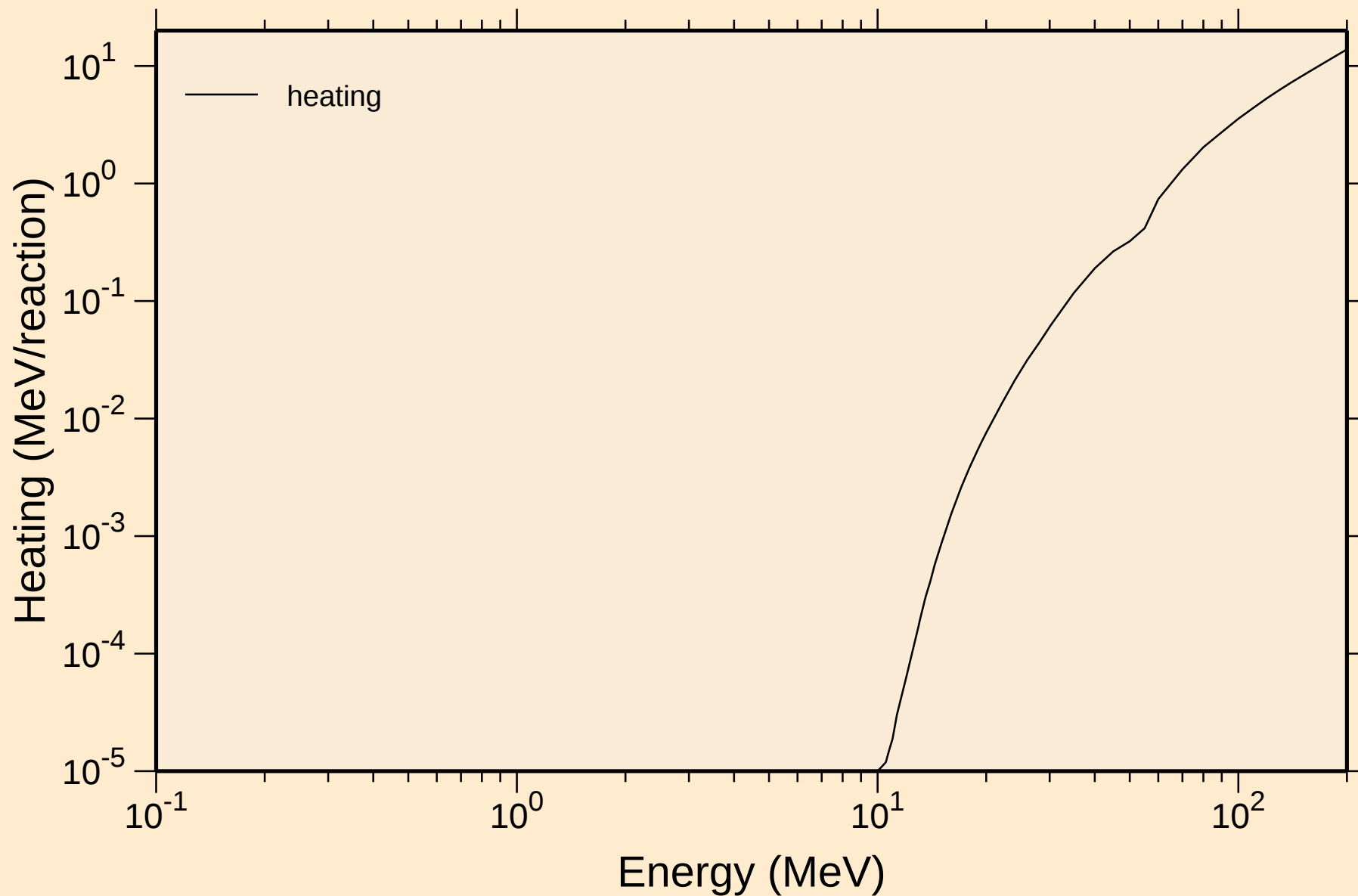
# PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



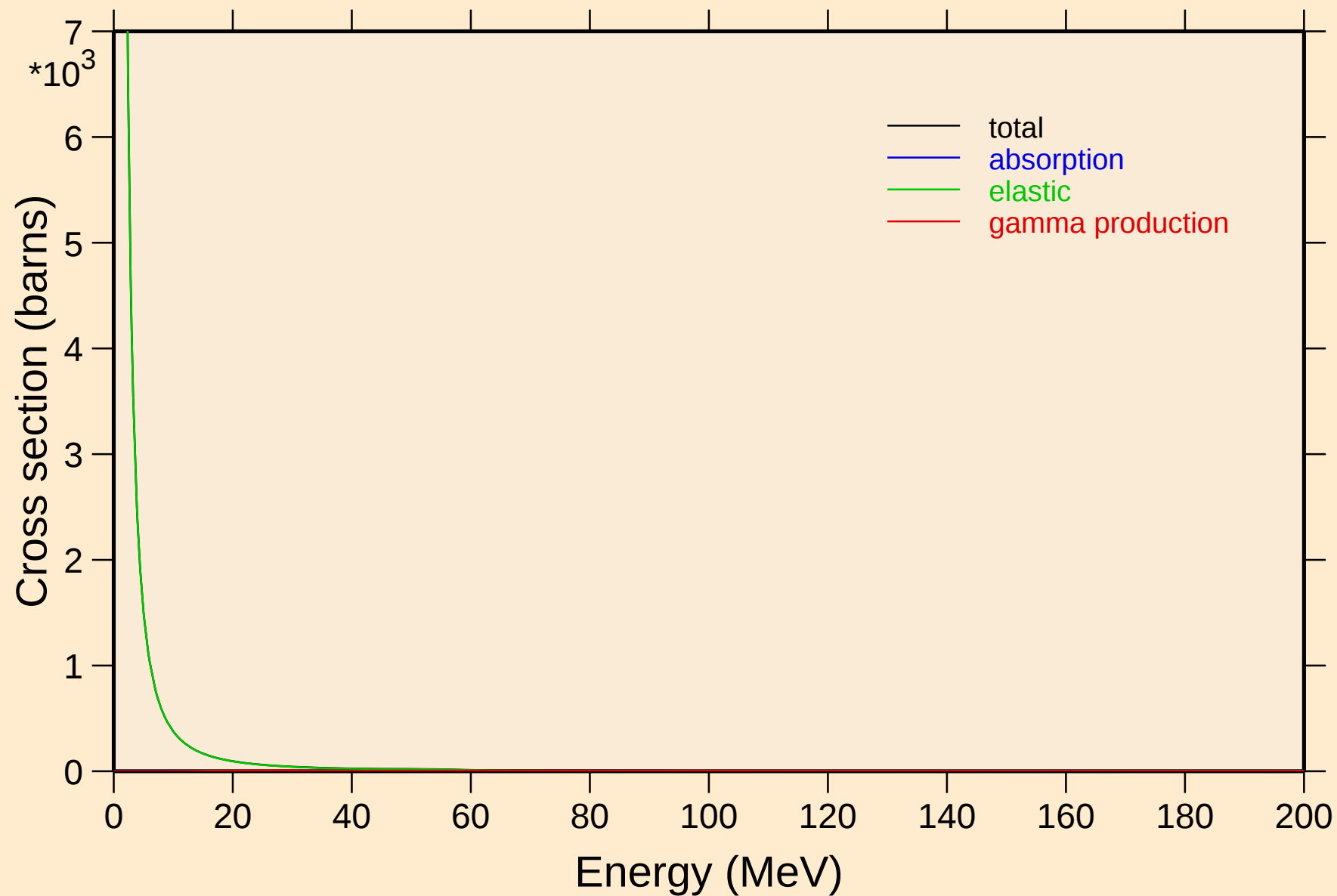
# PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Heating



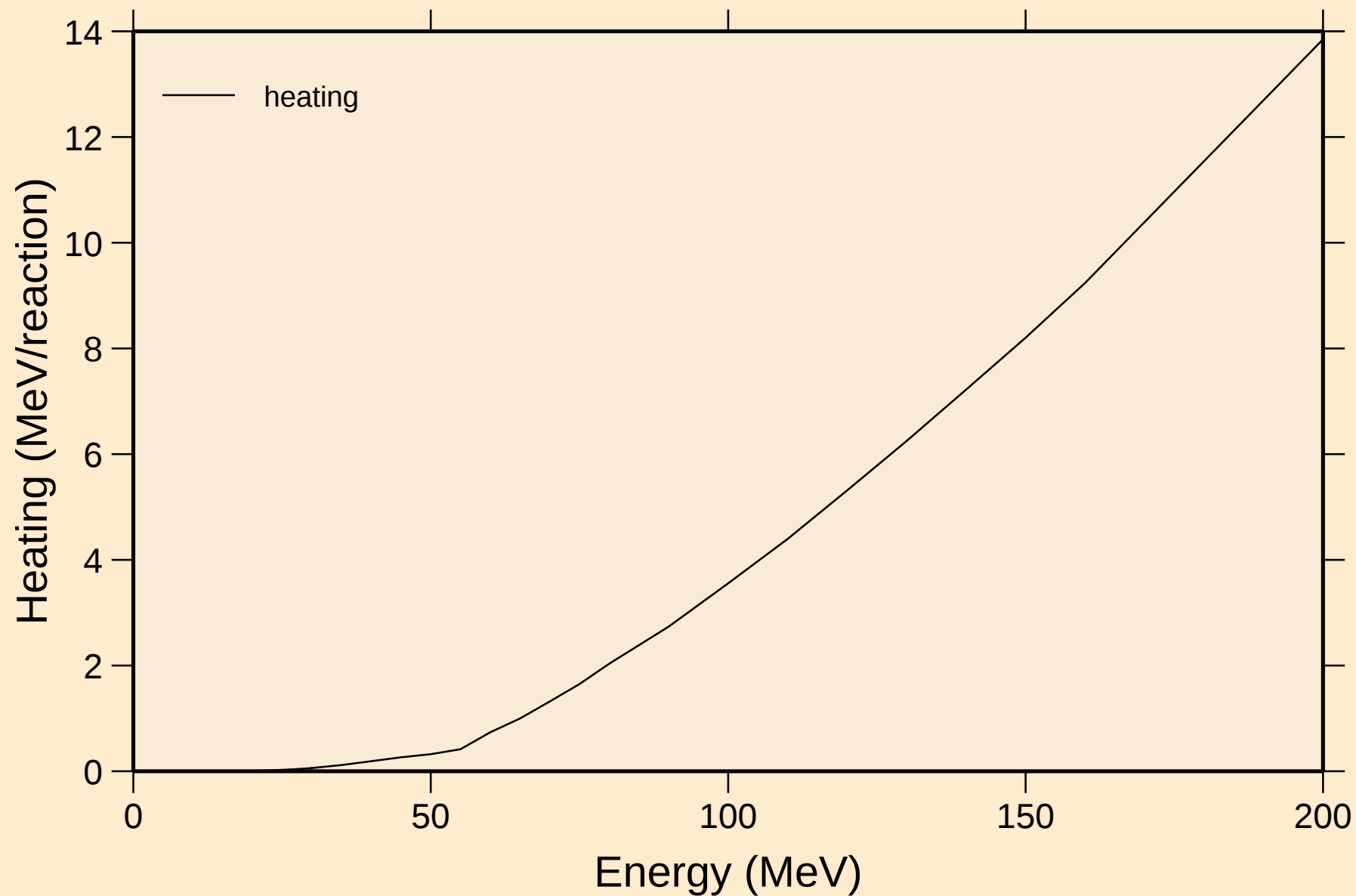
# PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



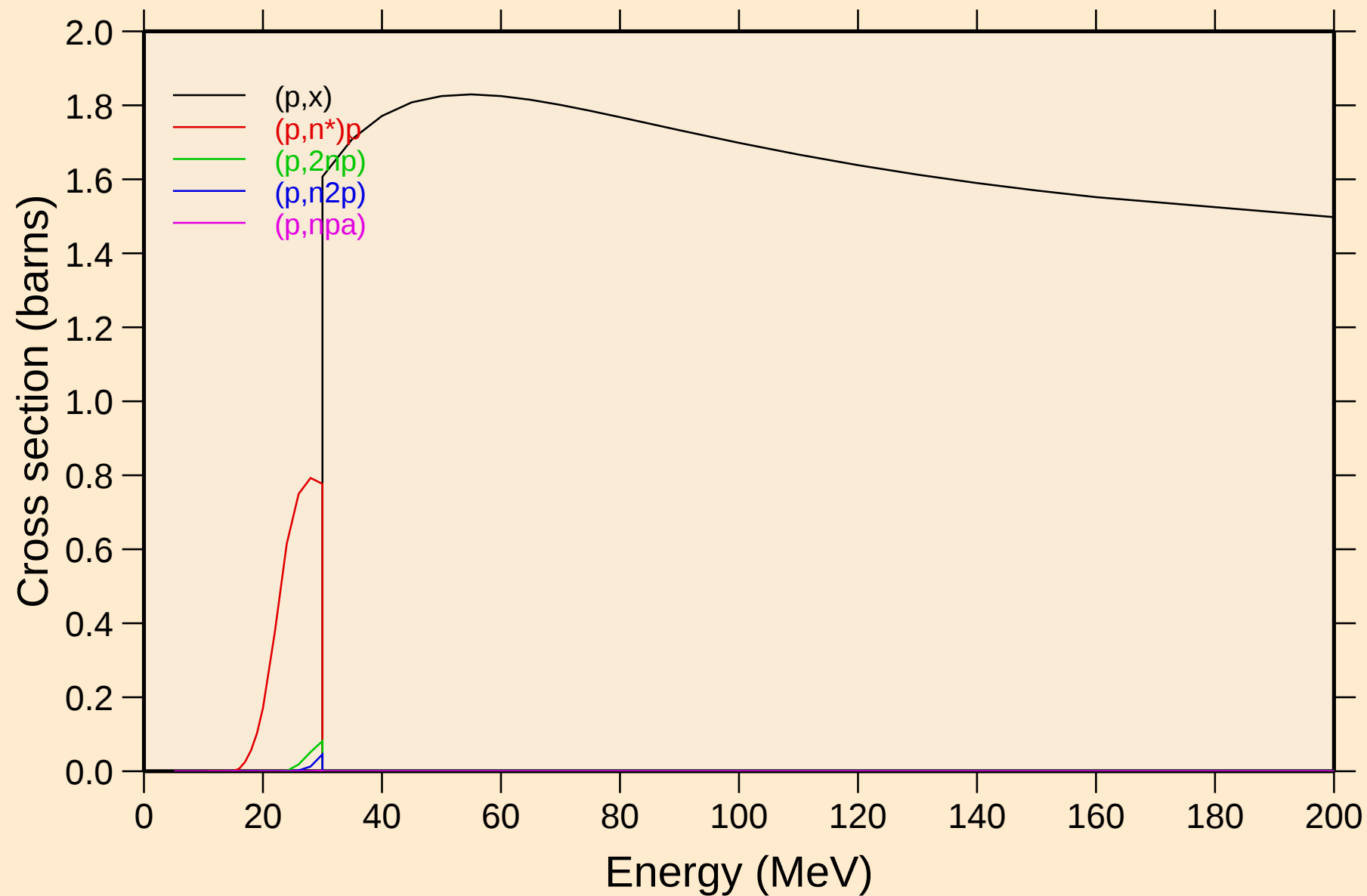
# PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Heating



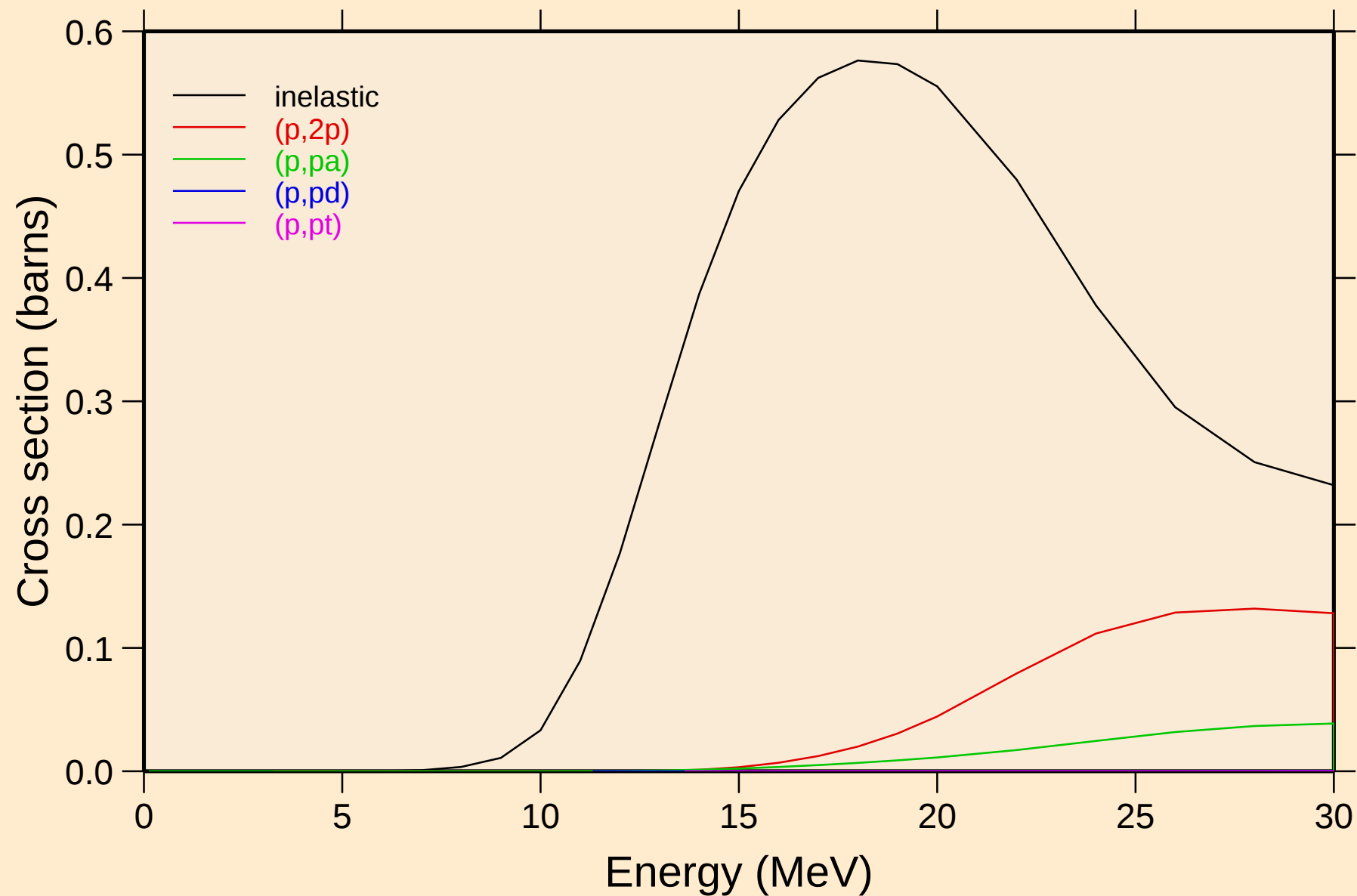
# PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Threshold reactions



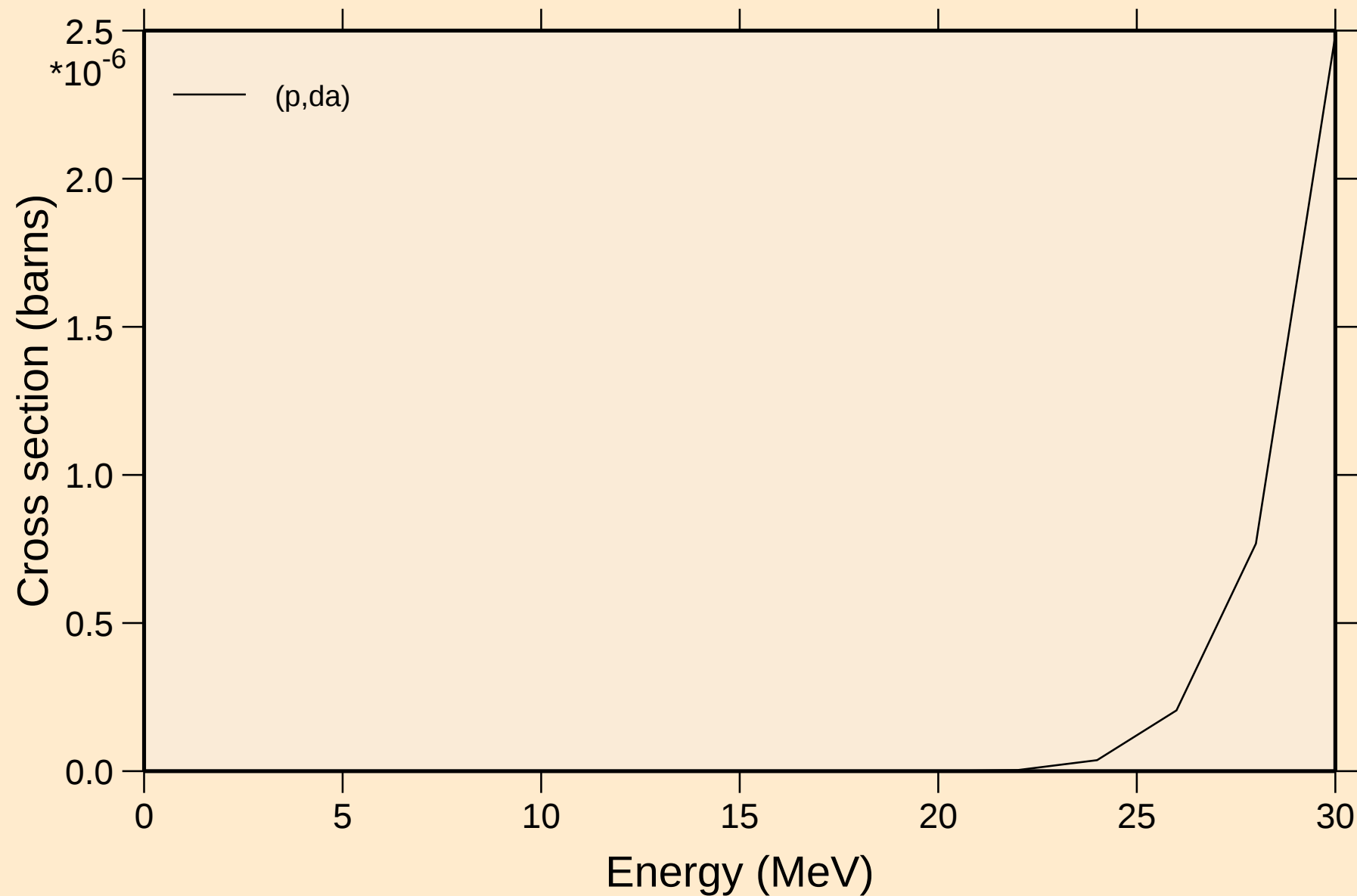
# PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Threshold reactions

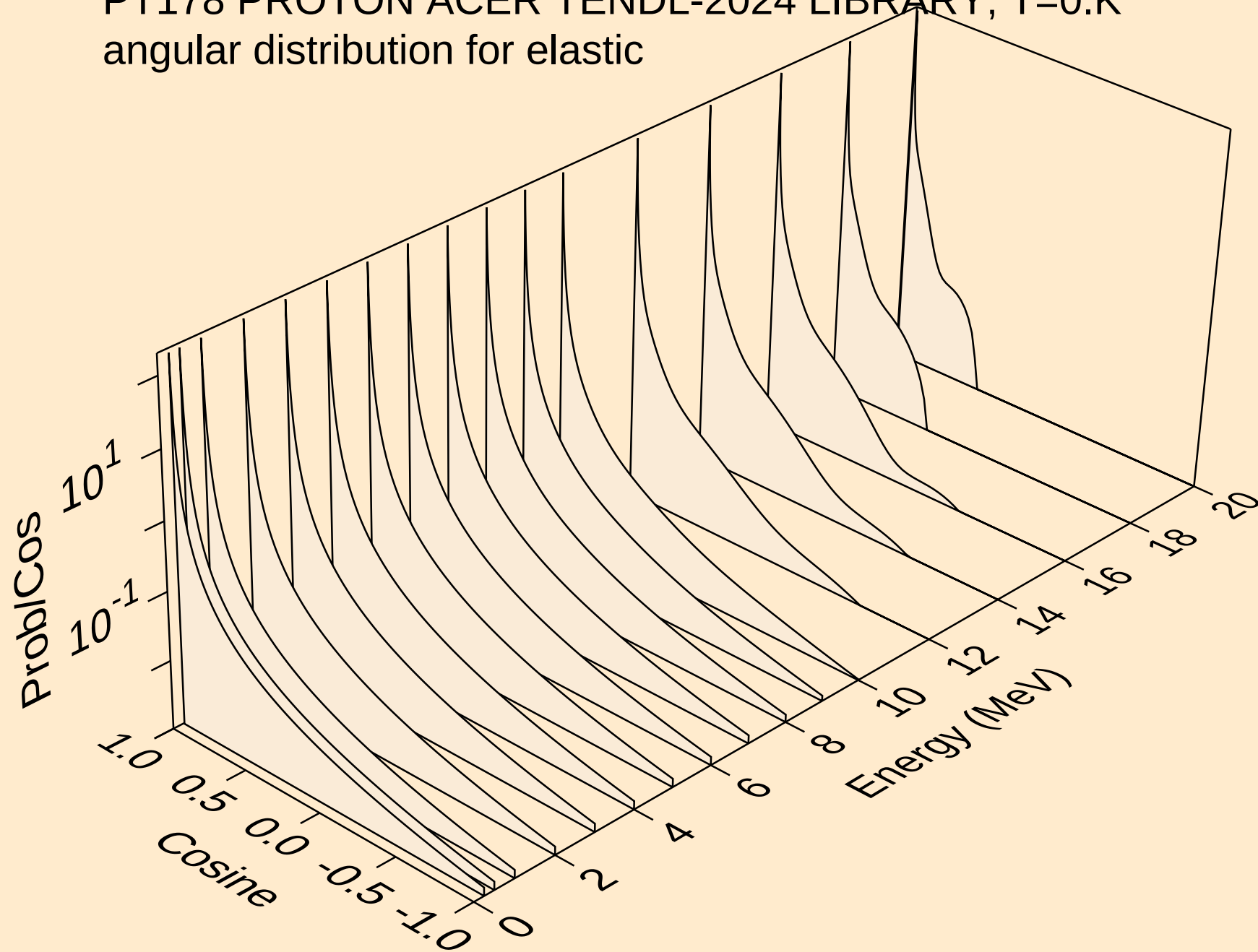


# PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K

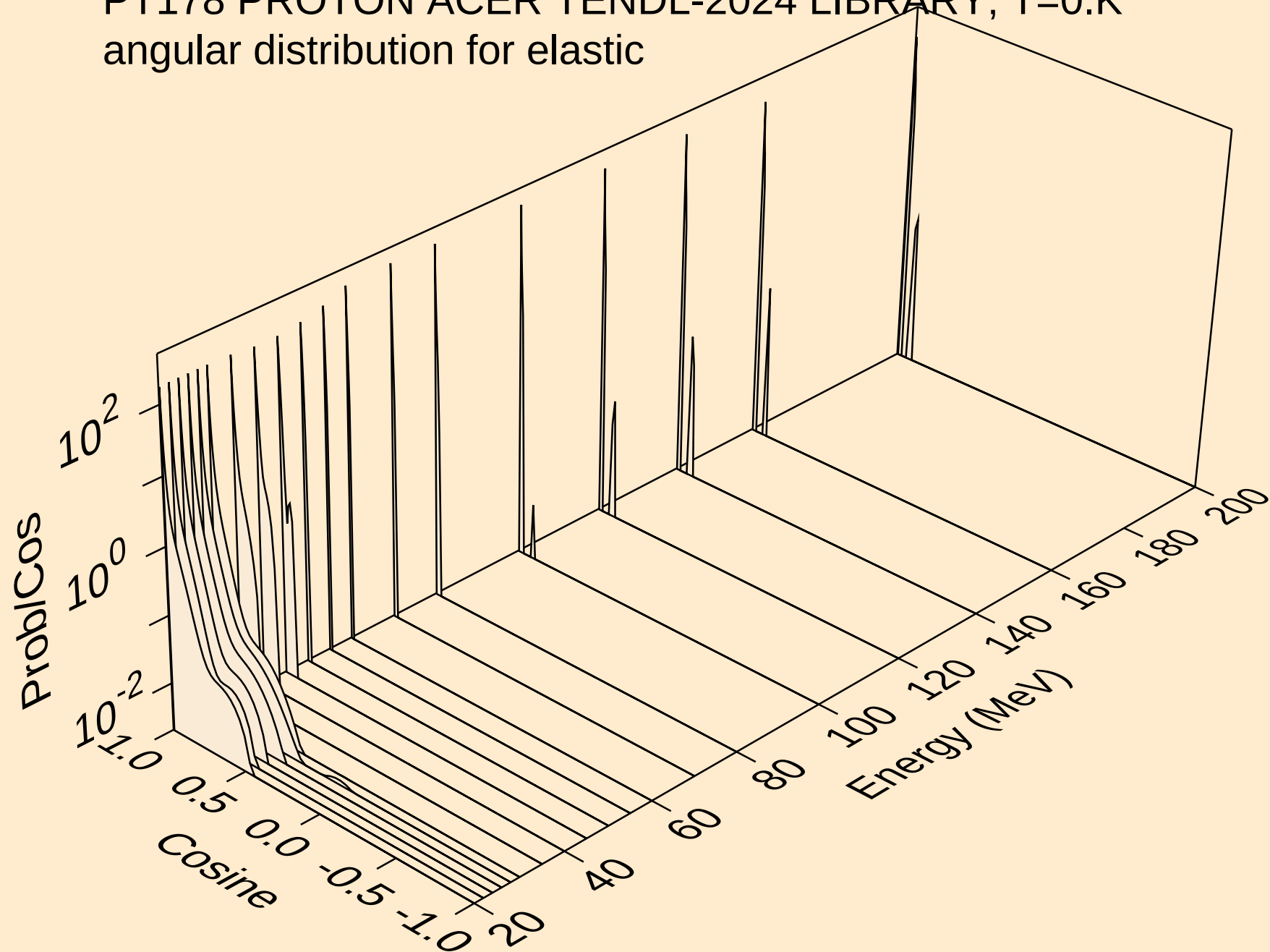
Threshold reactions



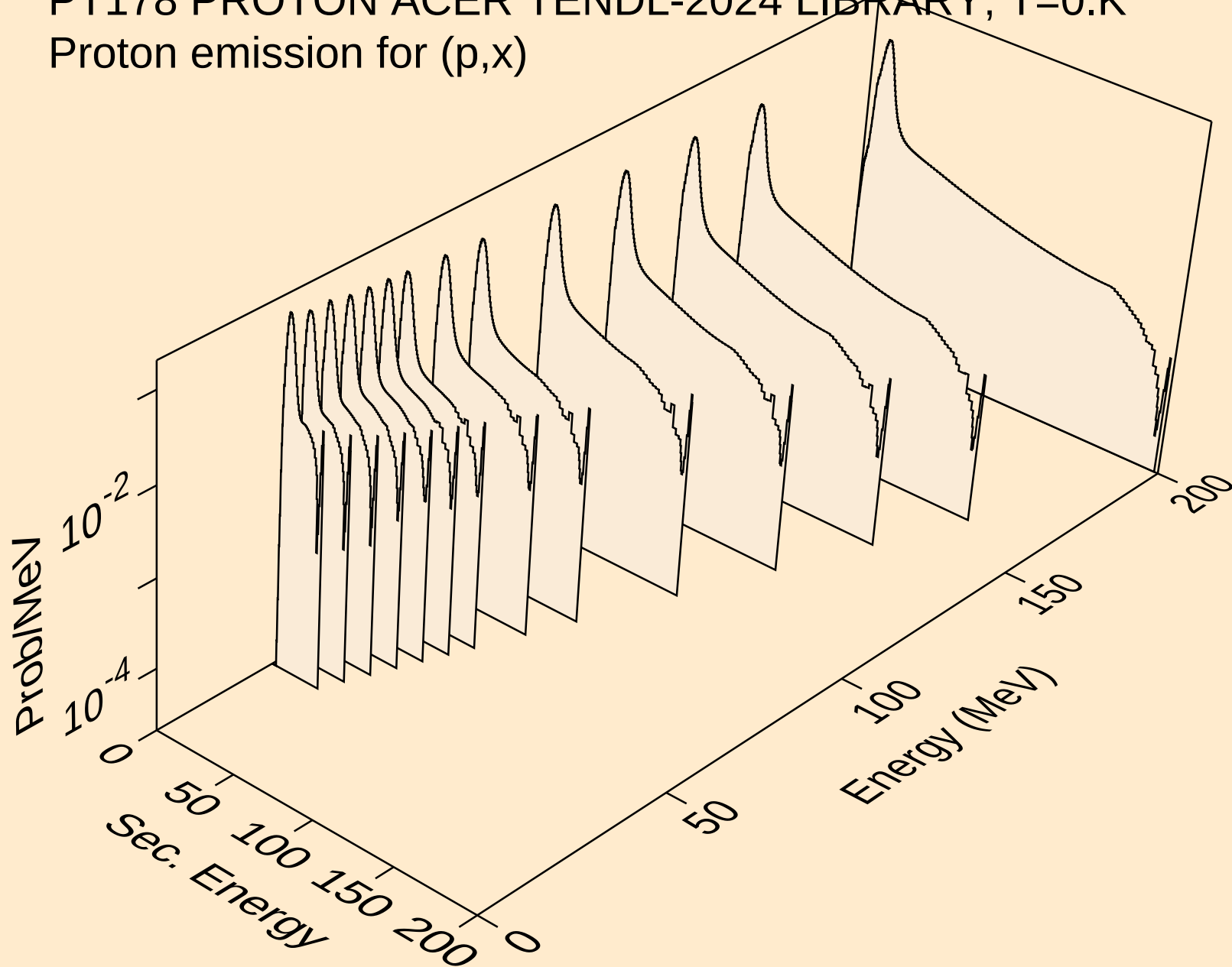
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

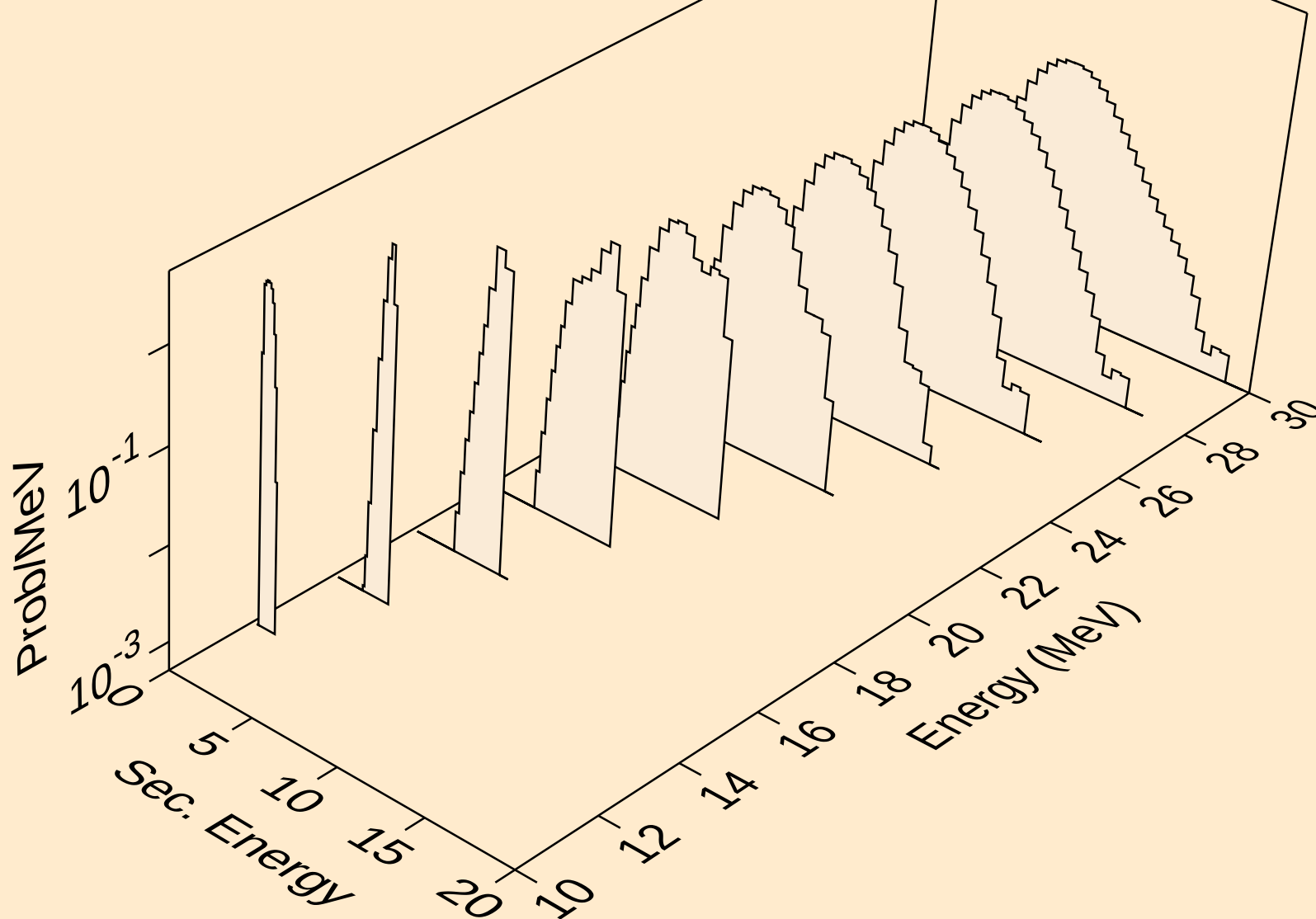


PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,x)

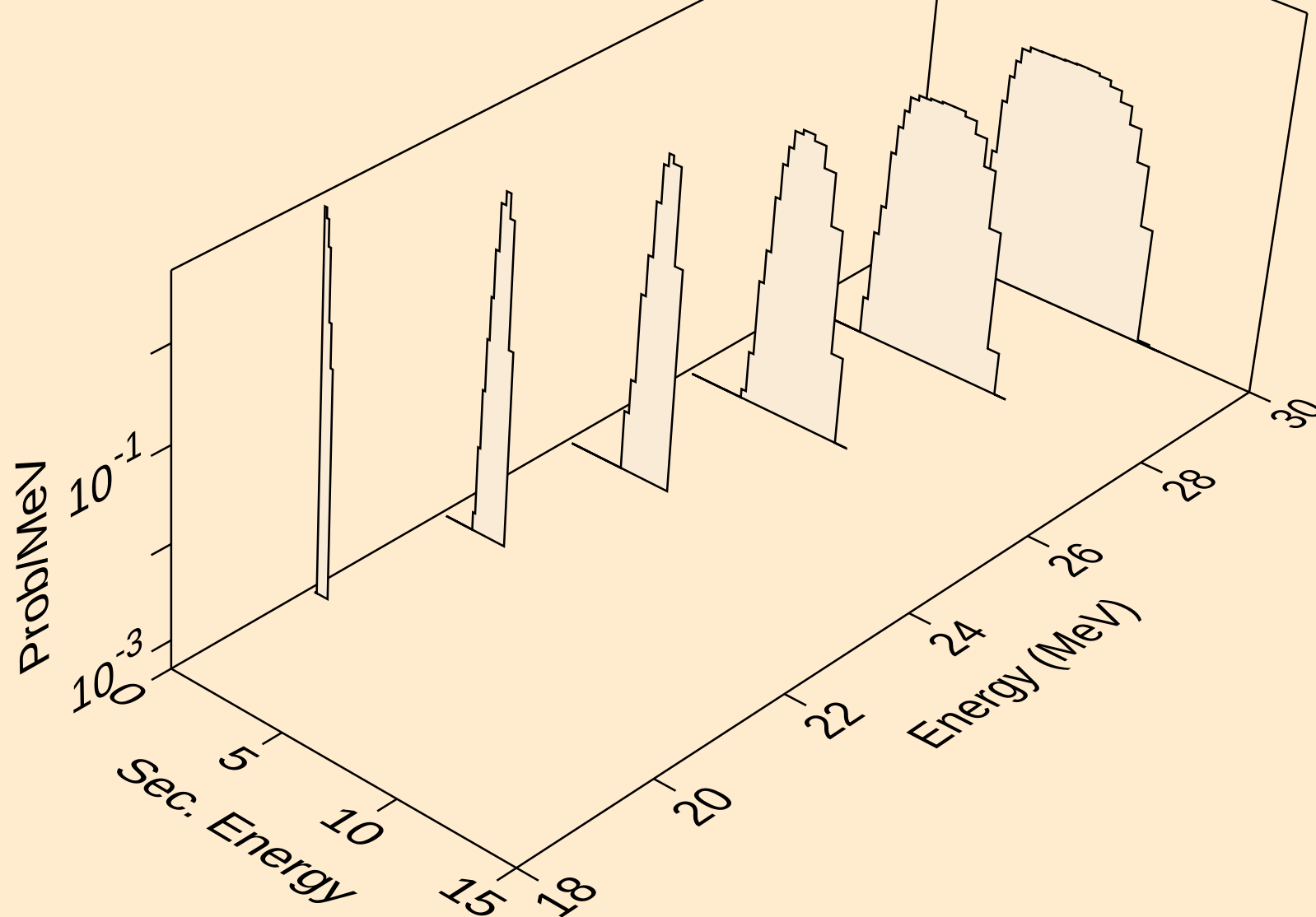


PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K

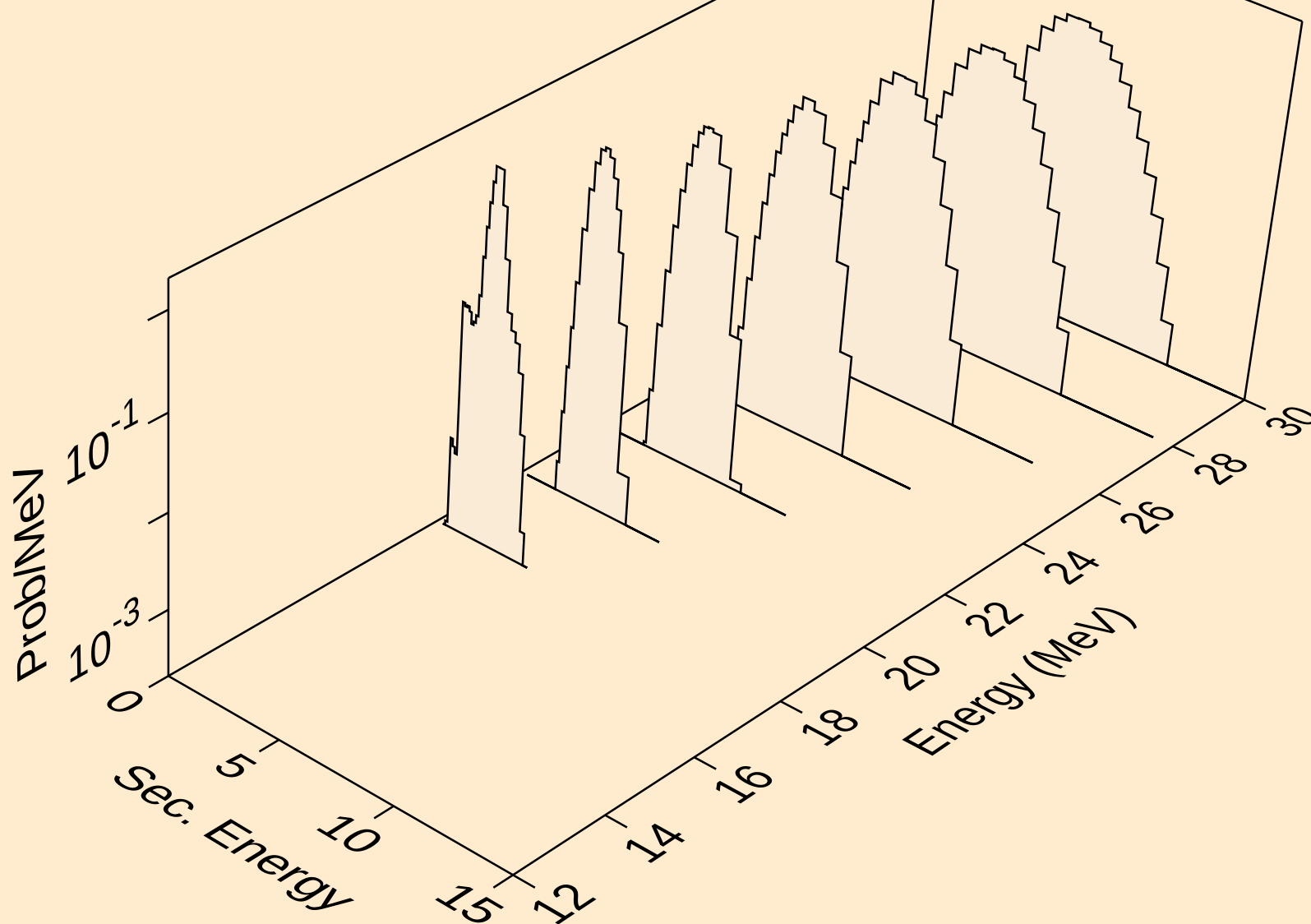
Proton emission for (p,n\*)p



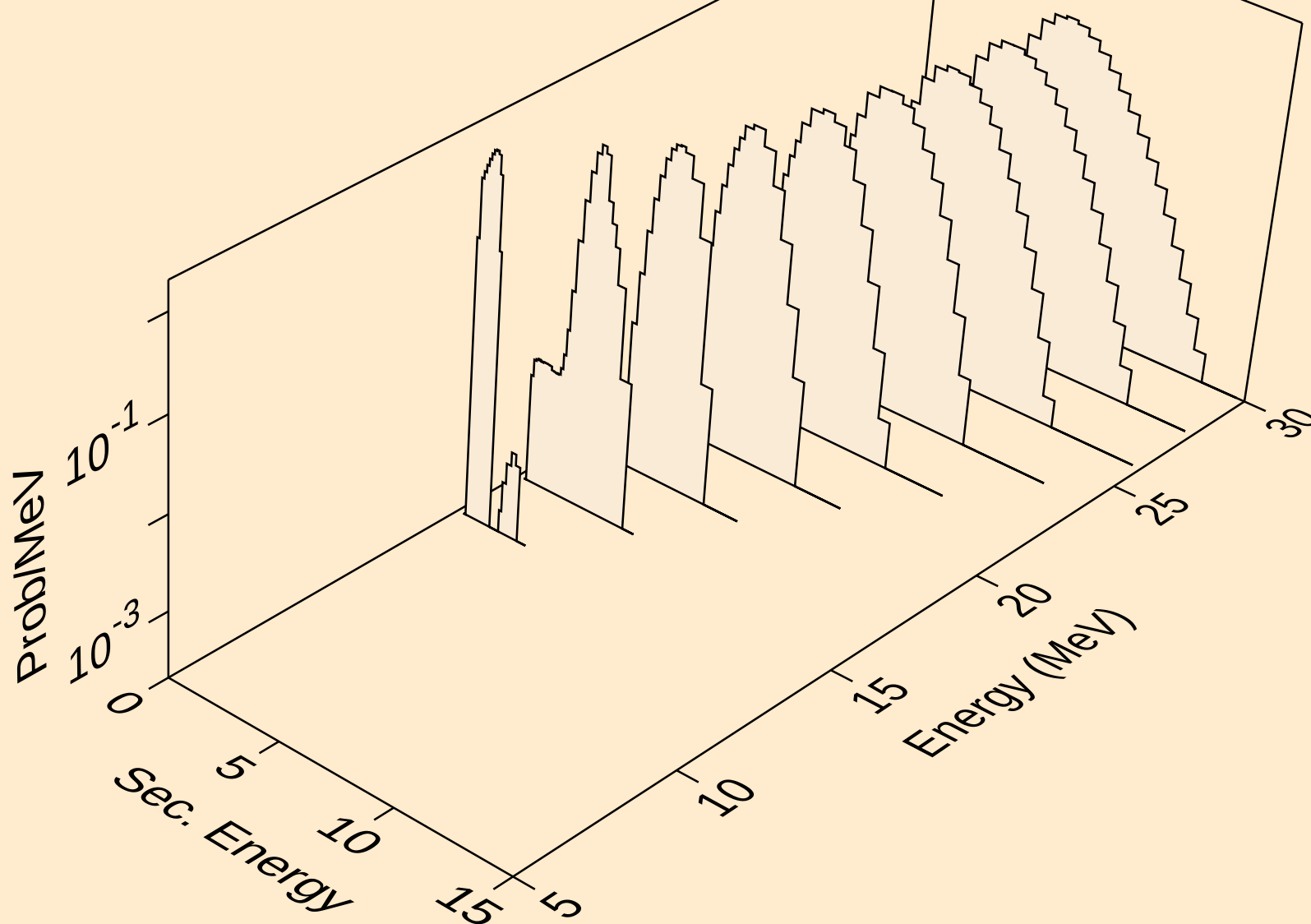
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,2np)



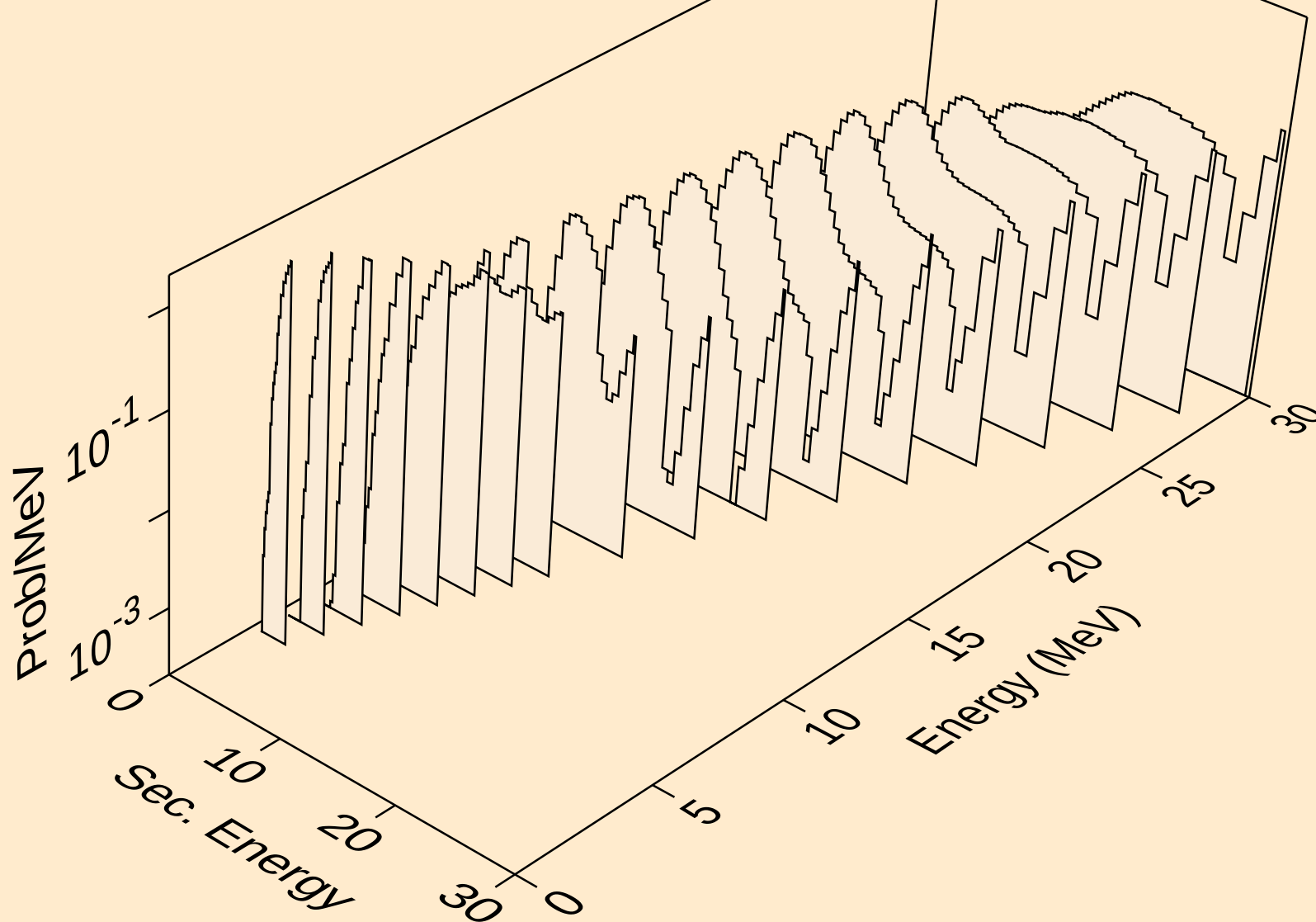
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,n2p)



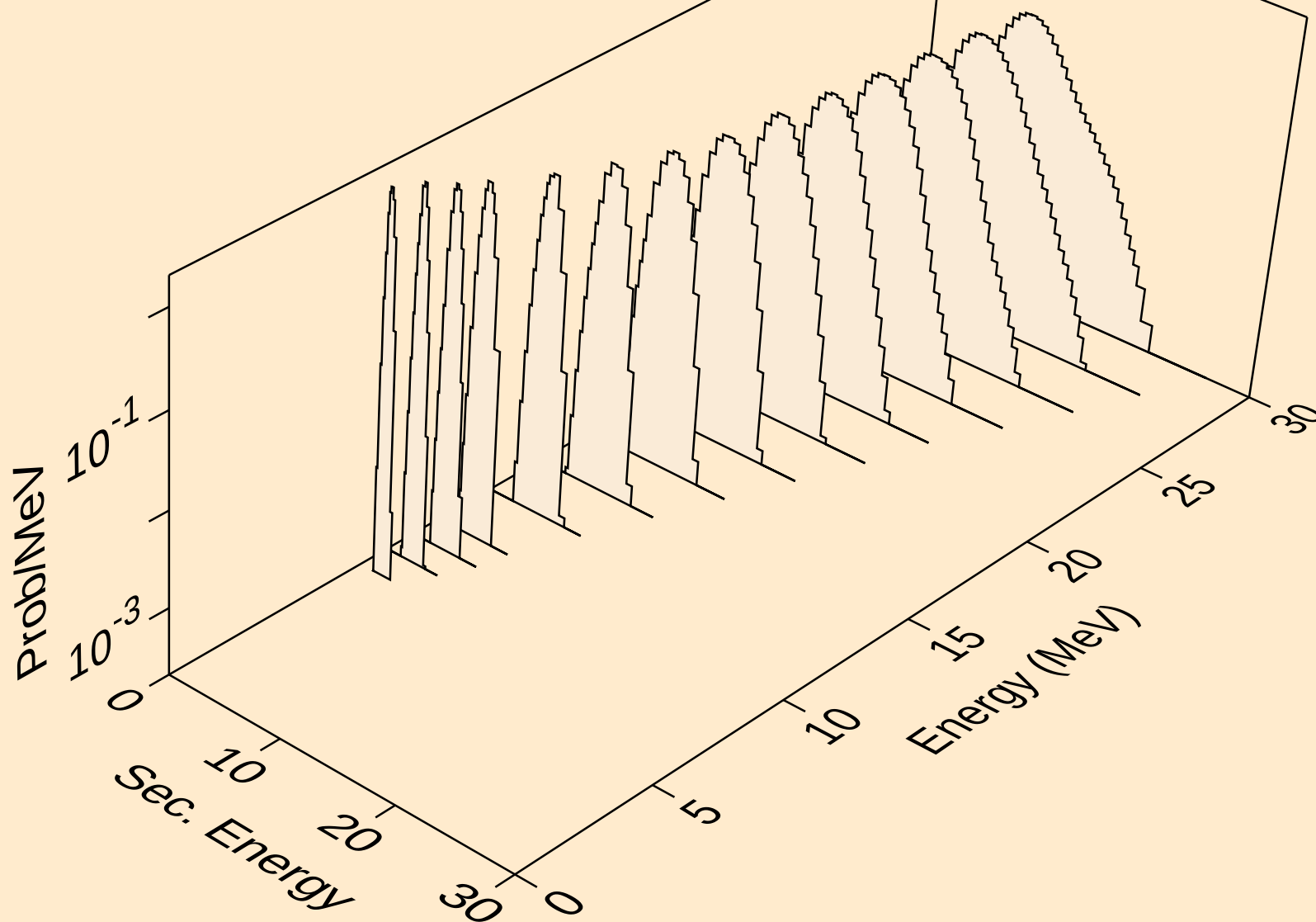
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,npa)



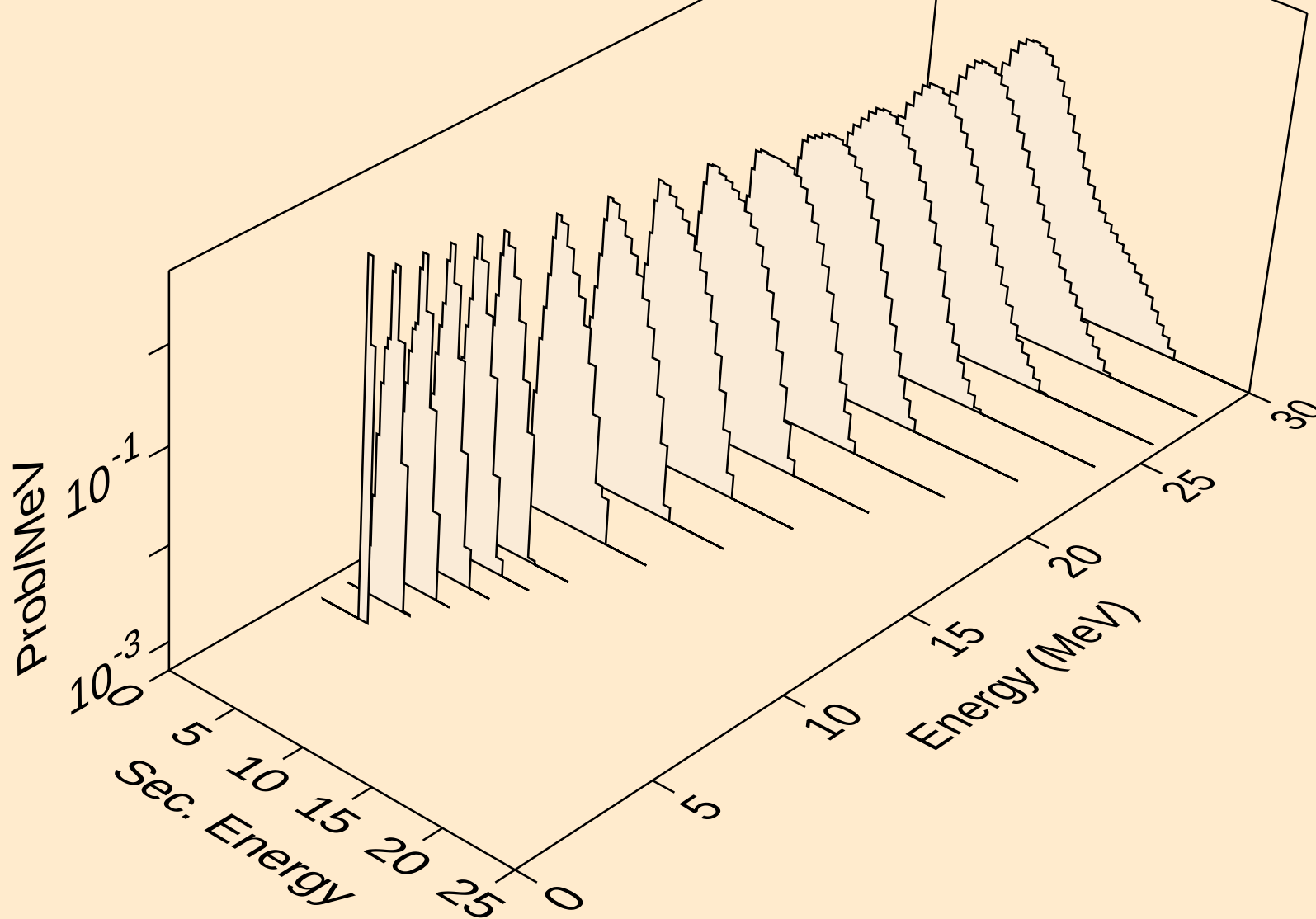
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for inelastic



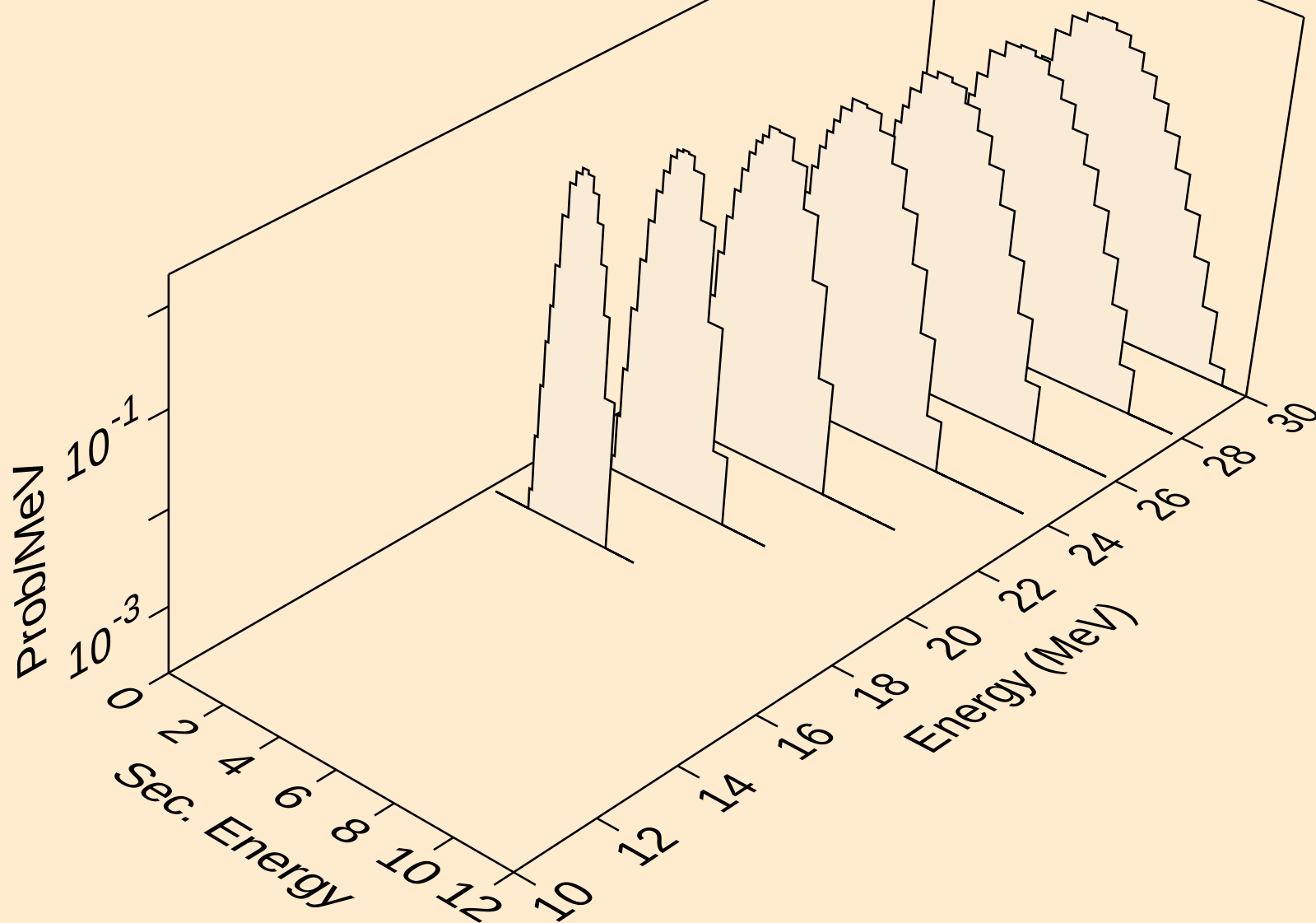
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,2p)



PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,pa)

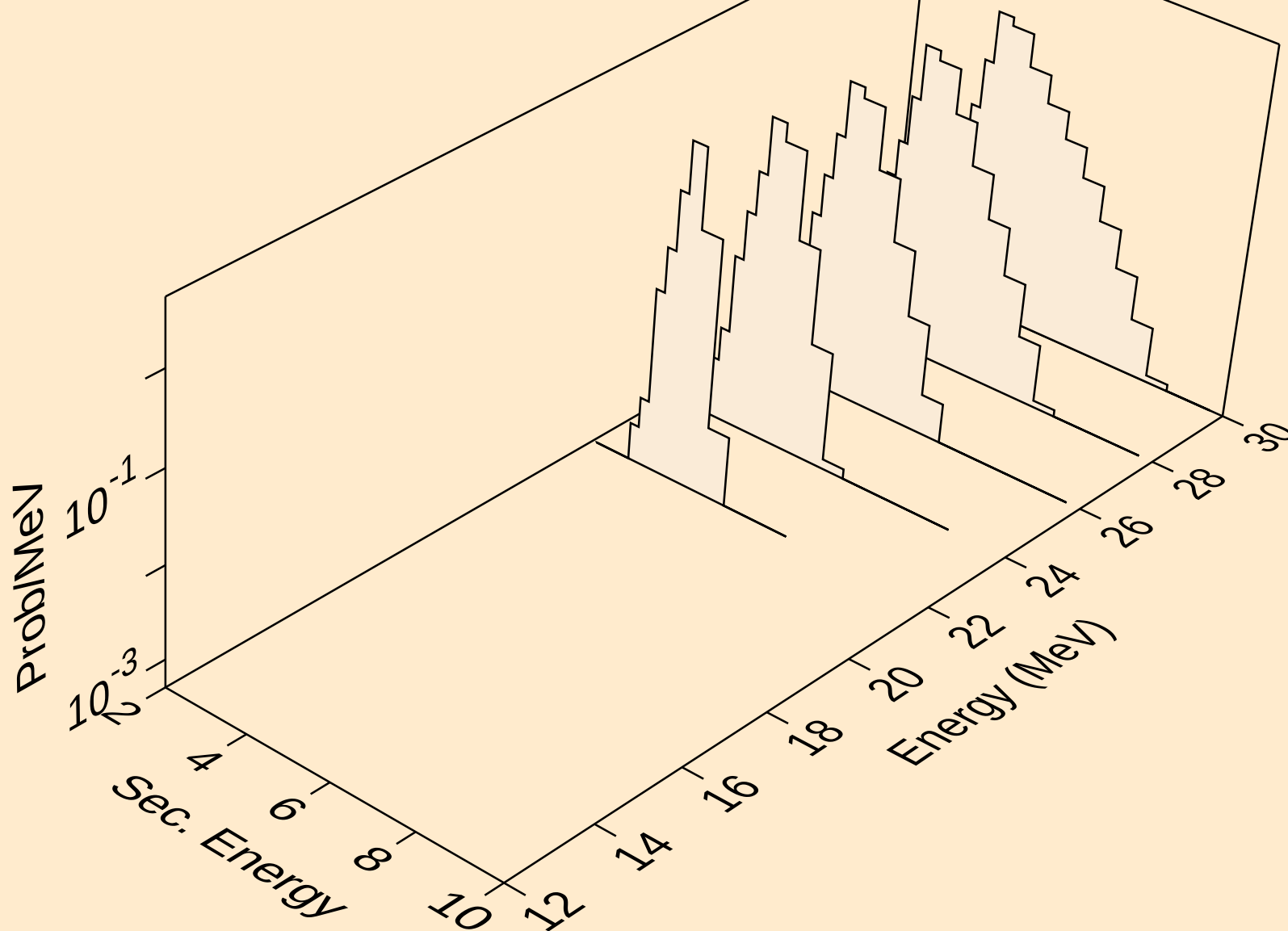


PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,pd)

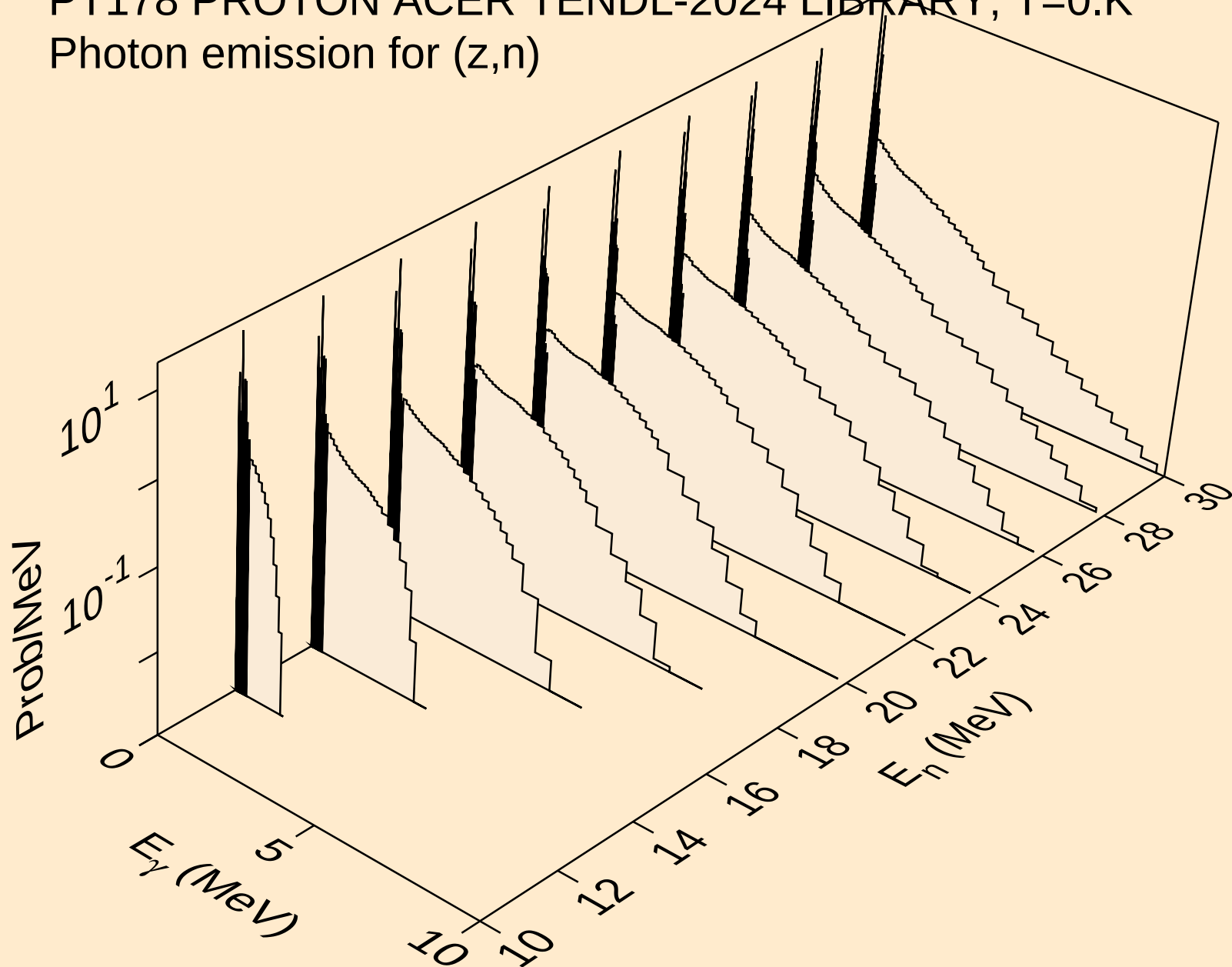


PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Proton emission for (p,pt)

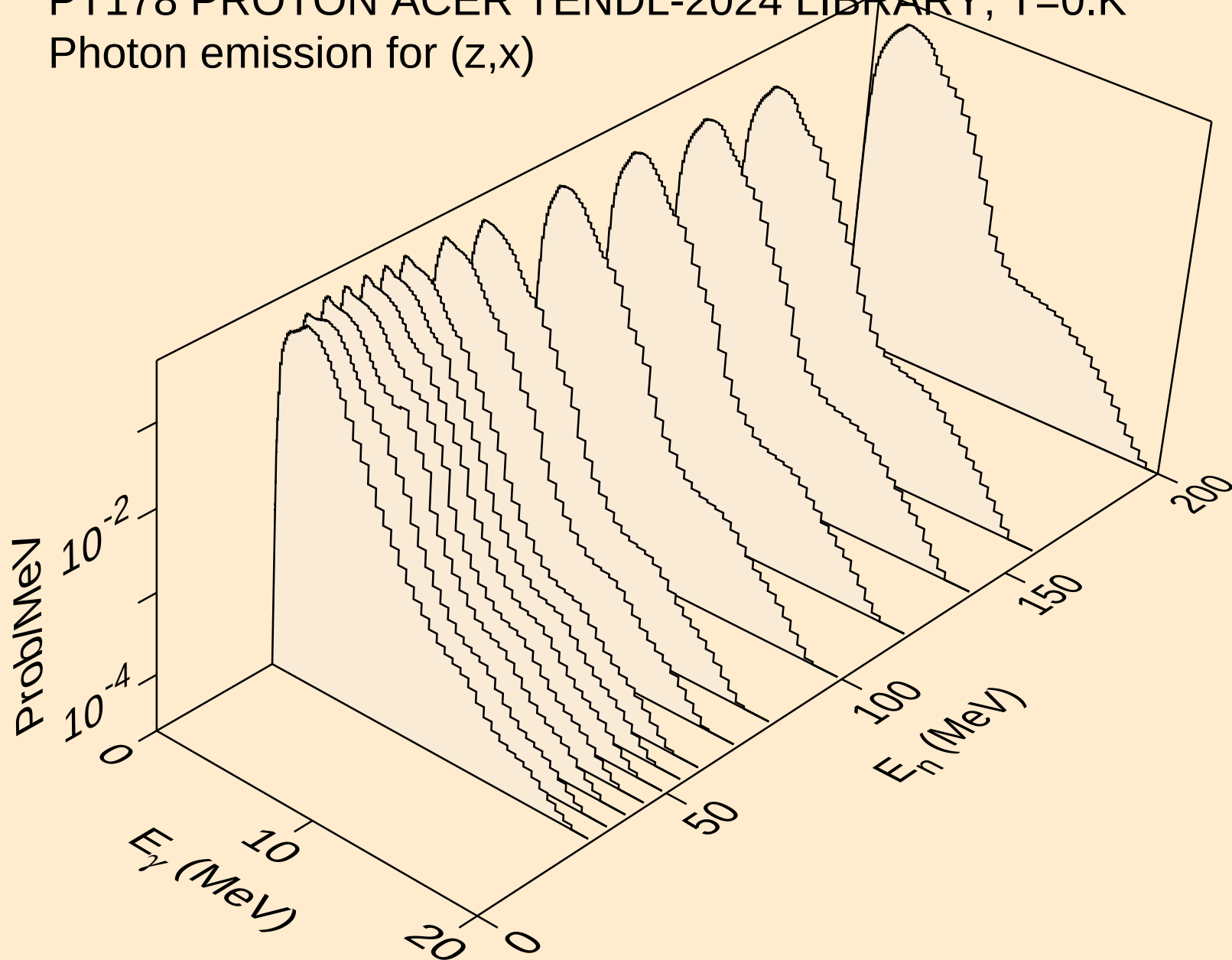


PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,n)

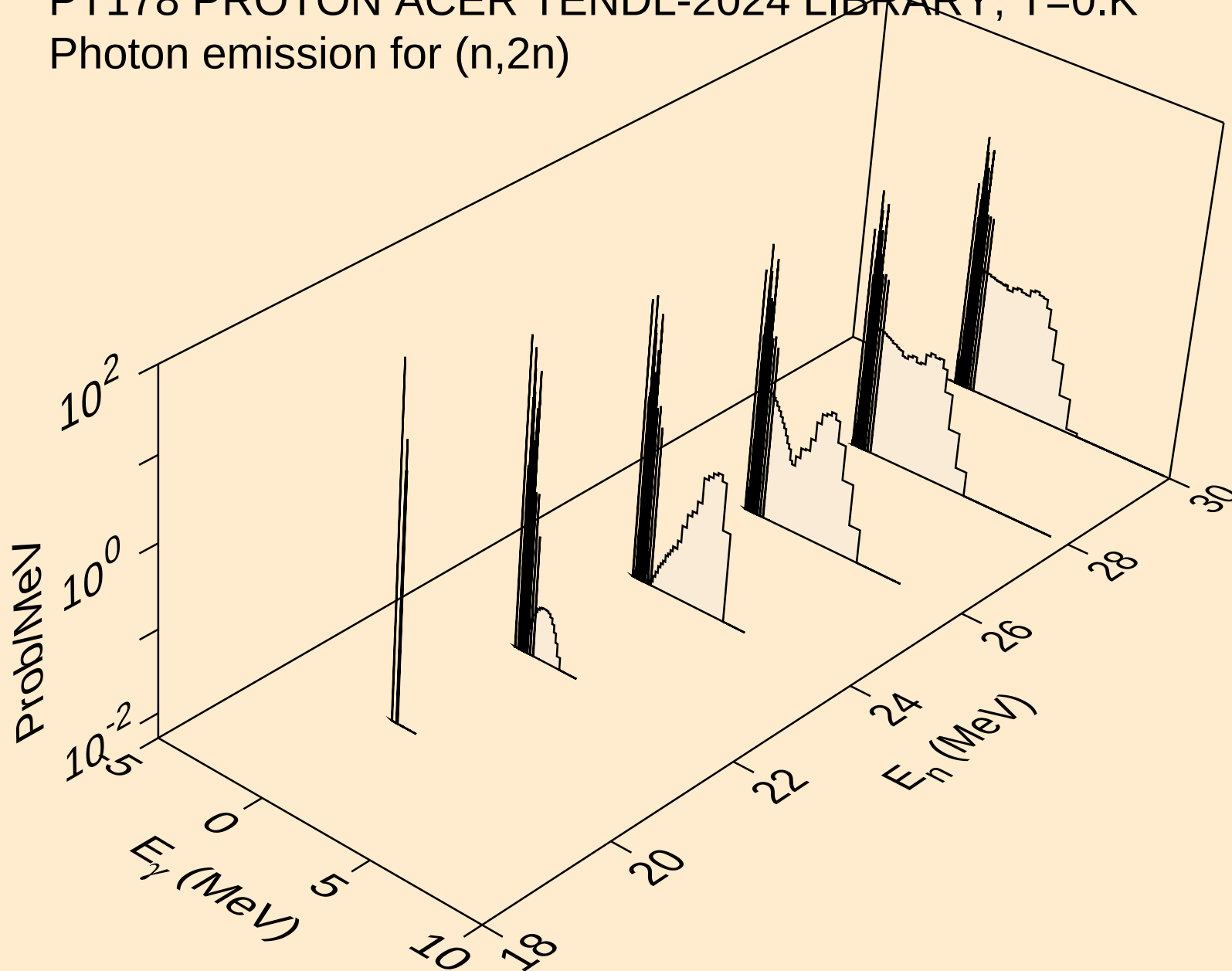


PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K

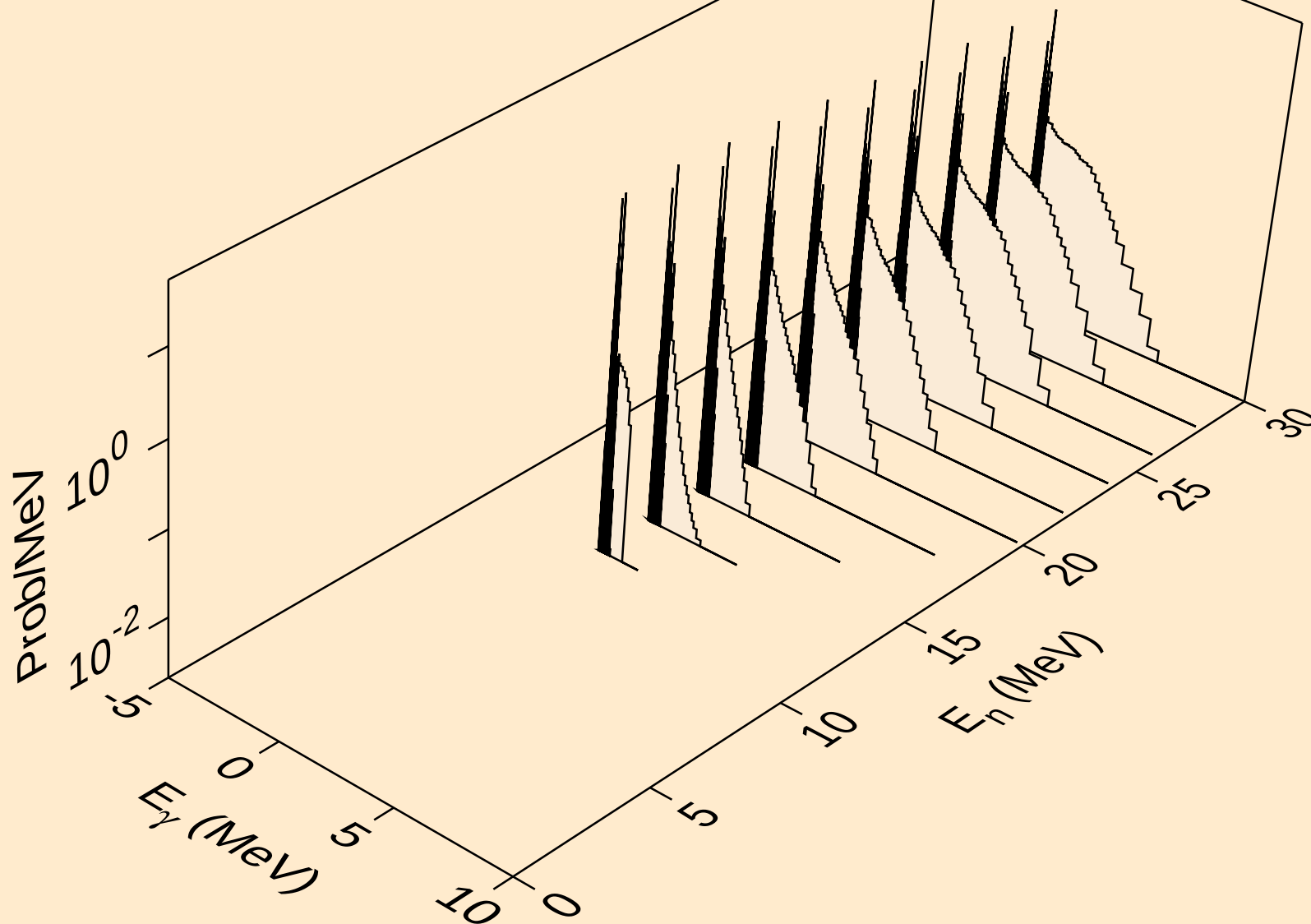
Photon emission for (z,x)



PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)

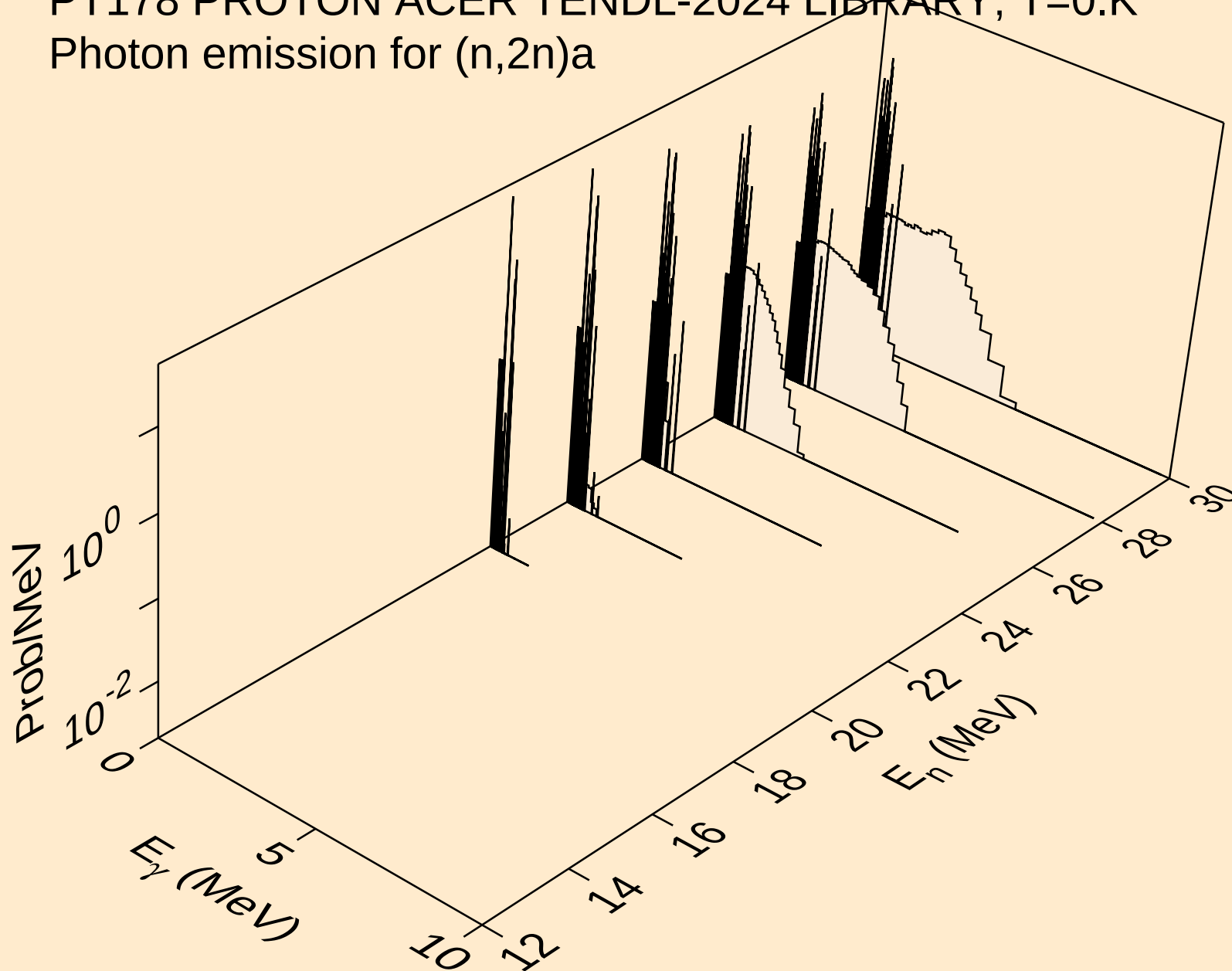


PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

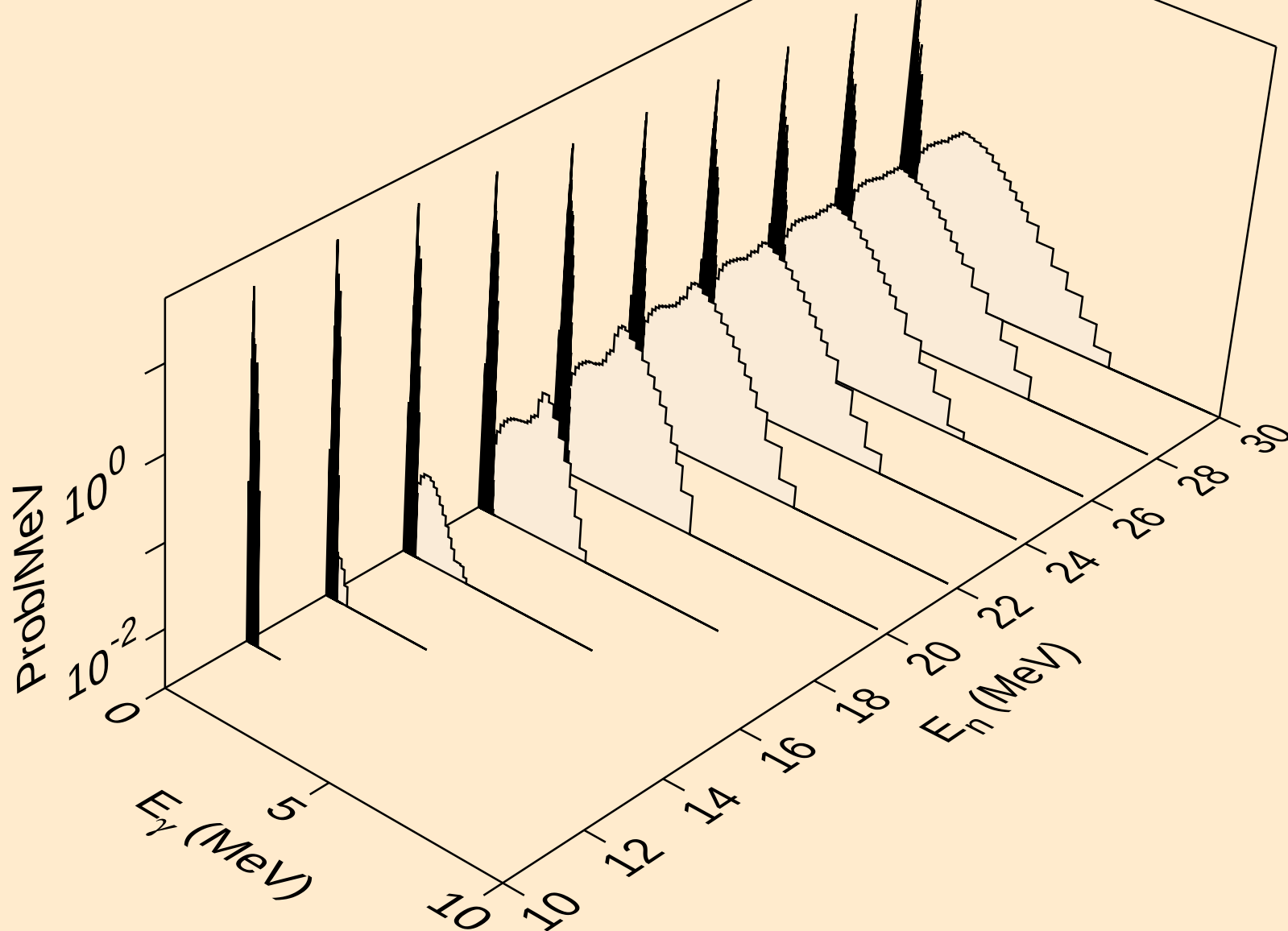


PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,2n)a

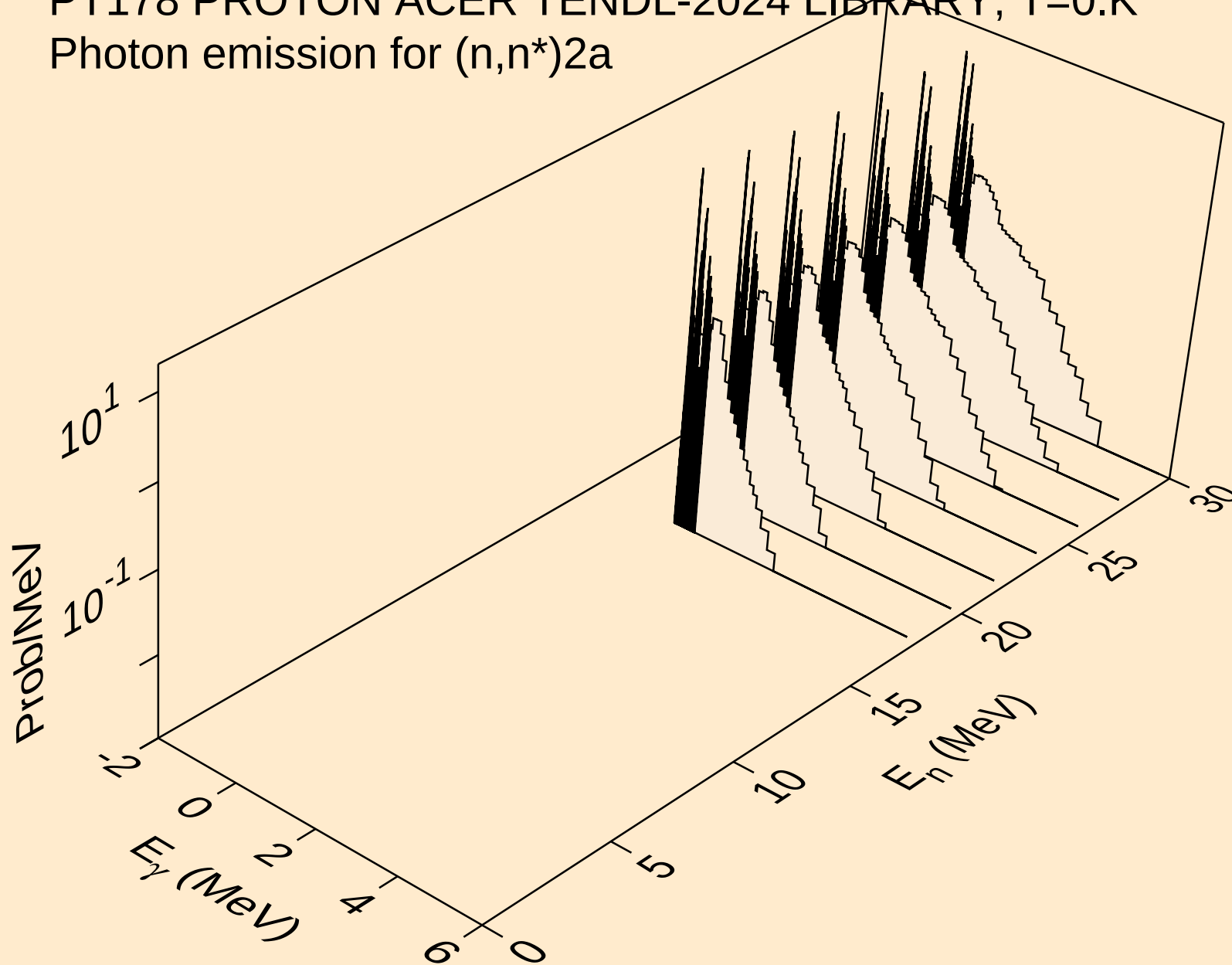


PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



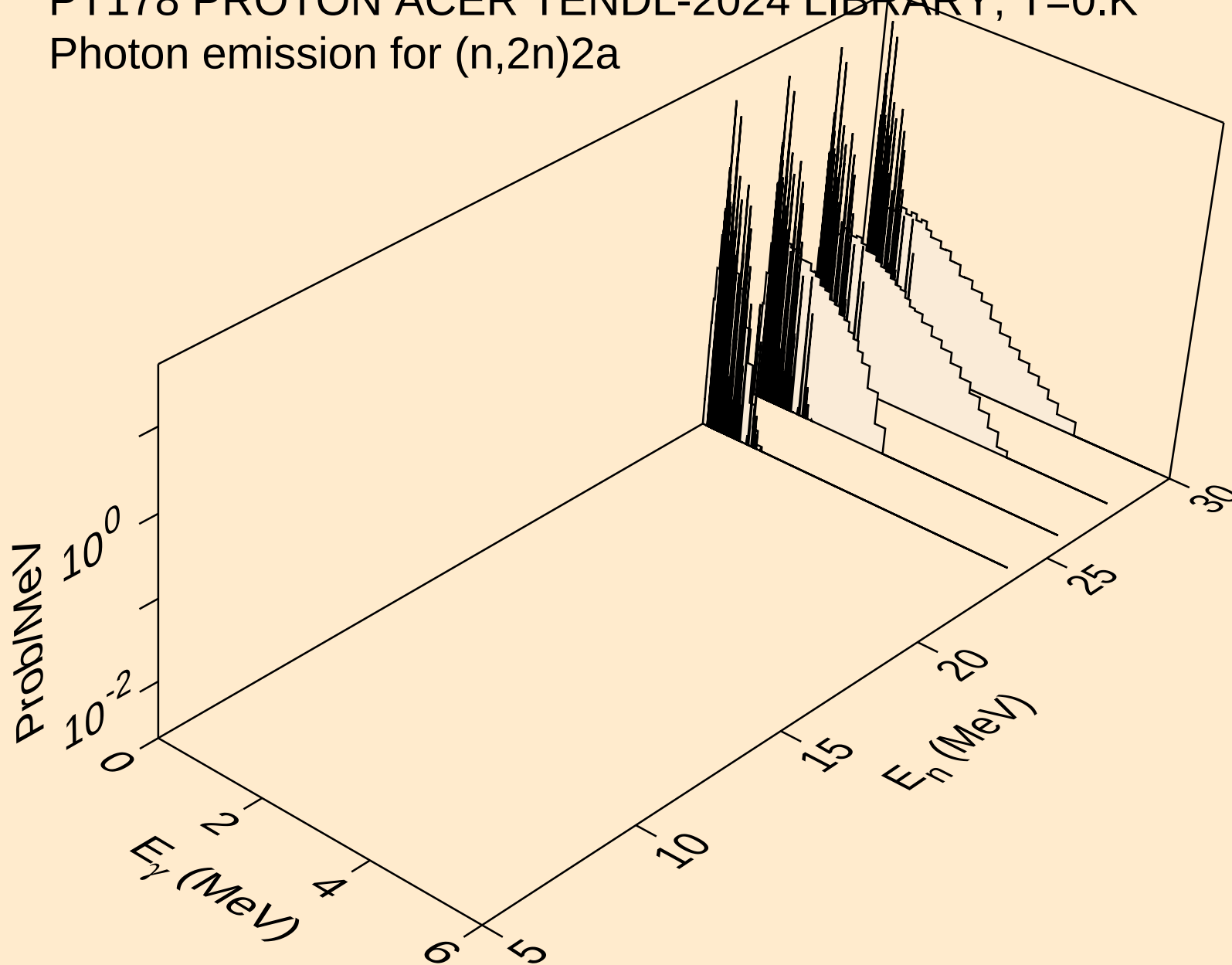
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)2a



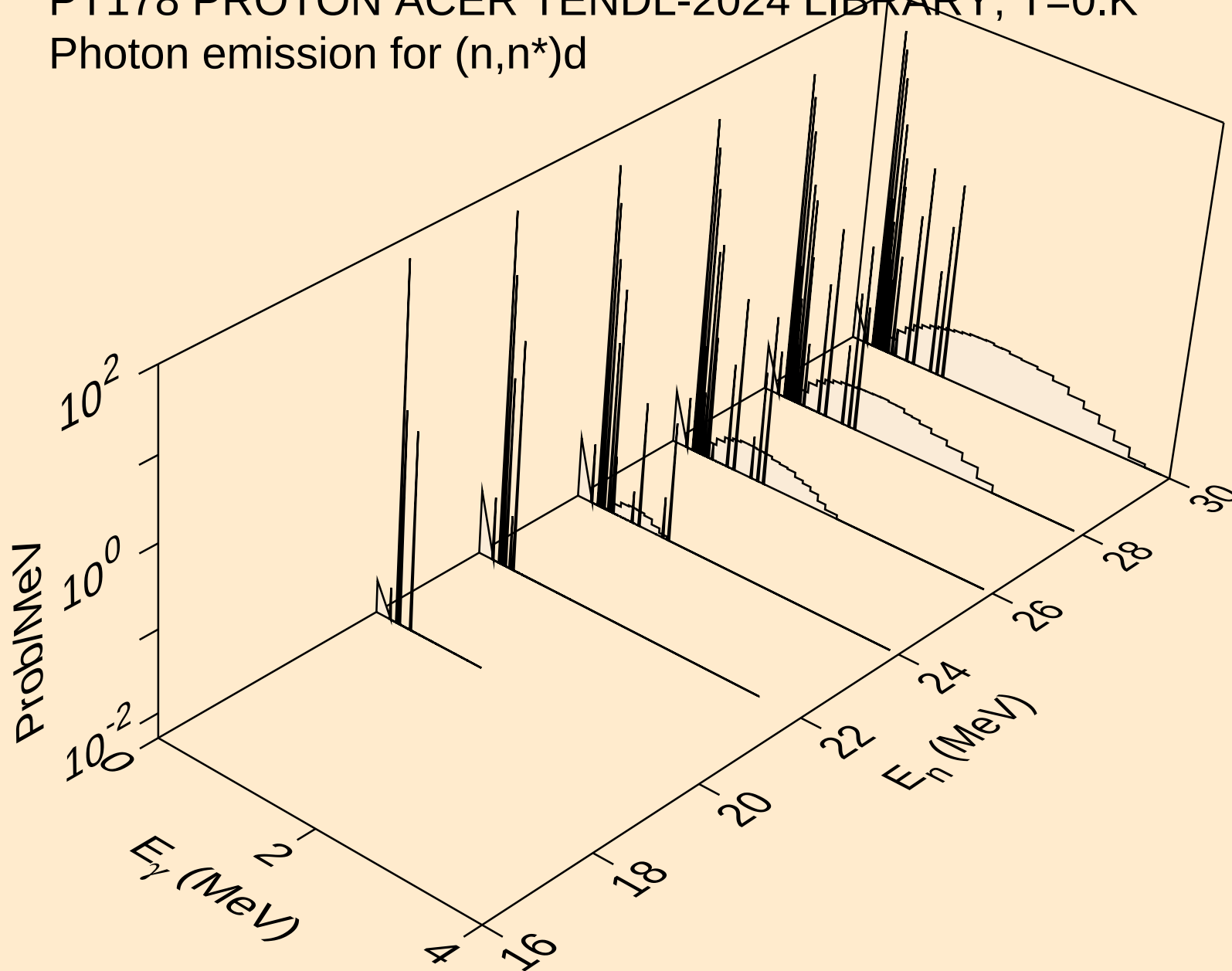
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,2n)2a



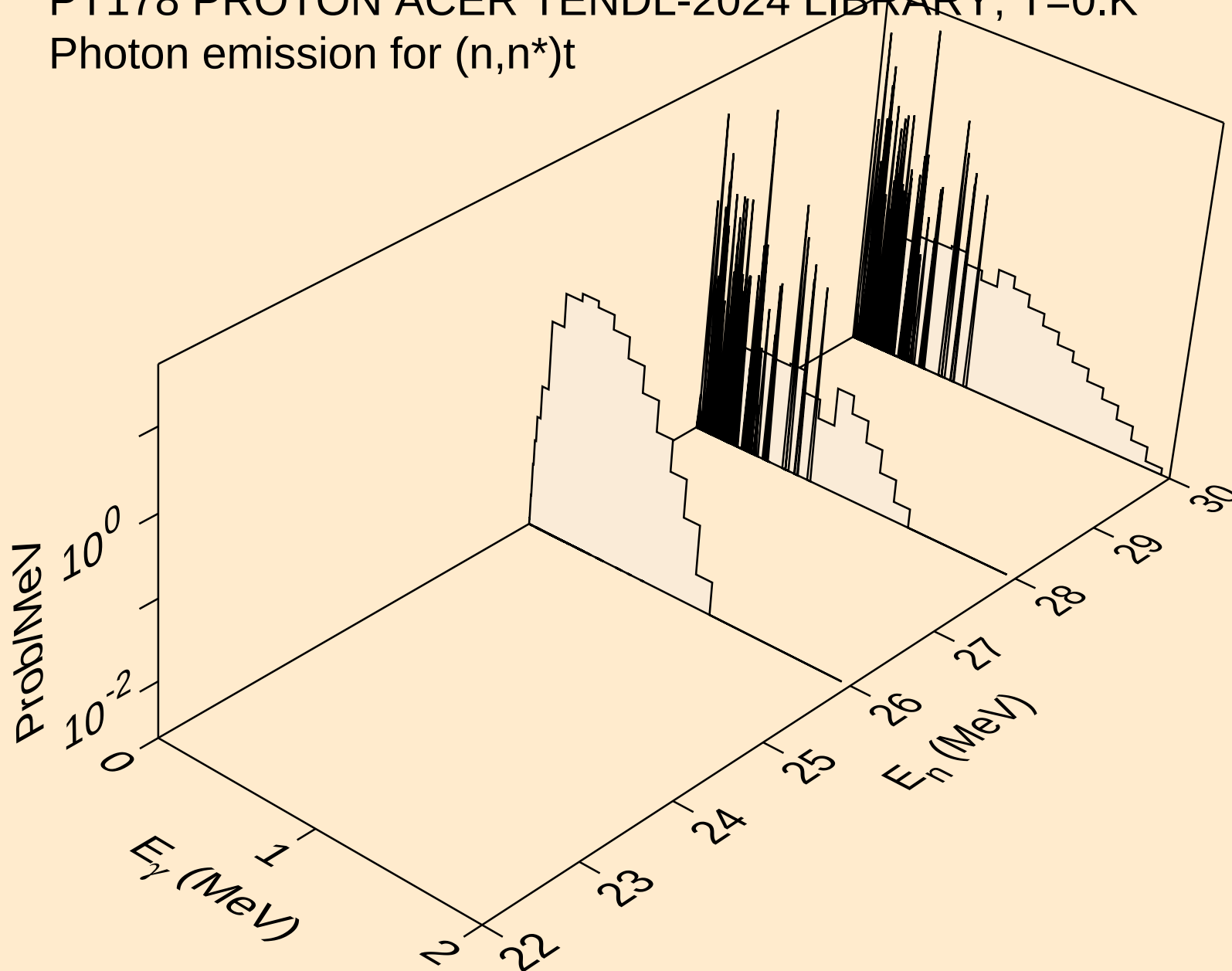
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)d

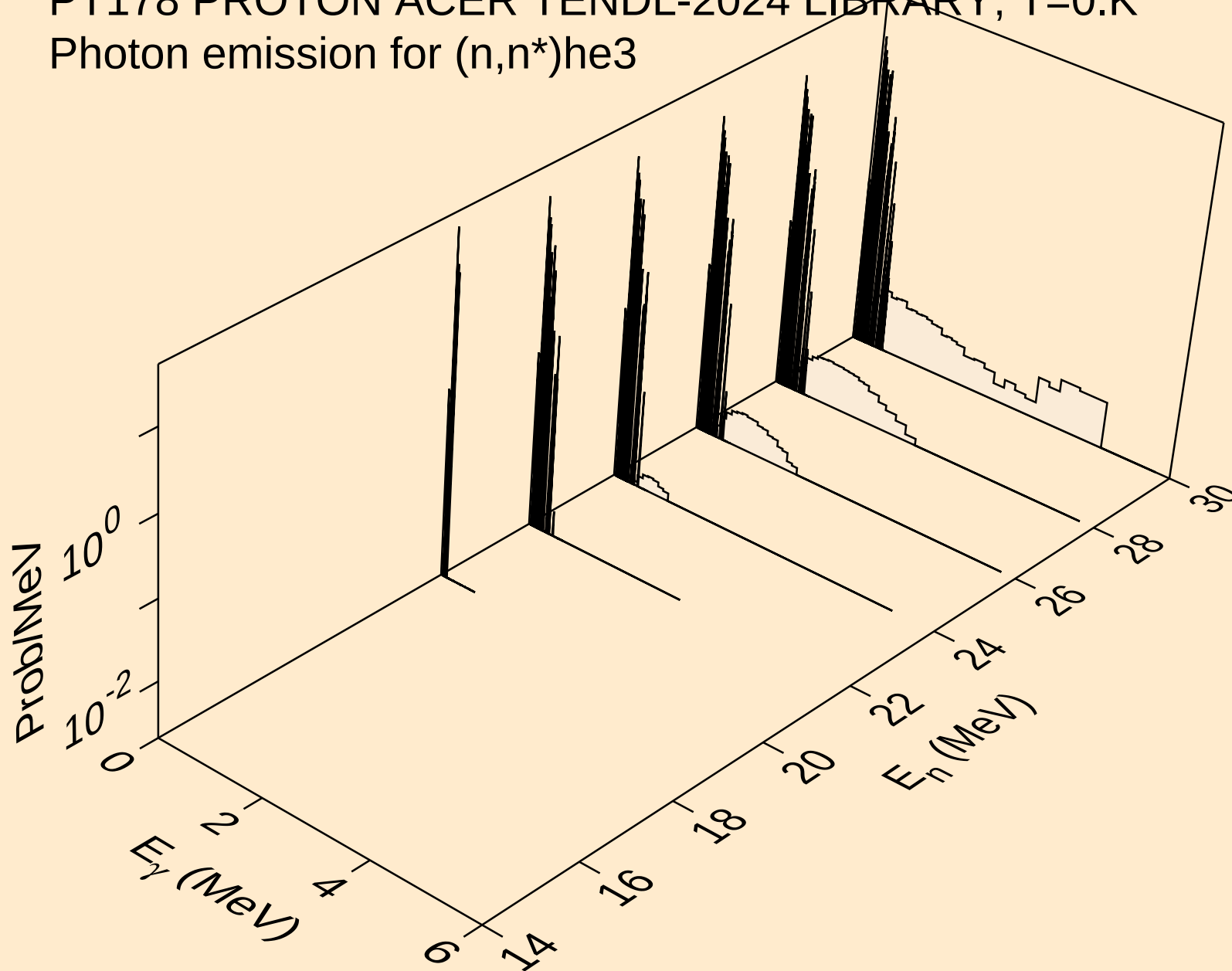


PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K

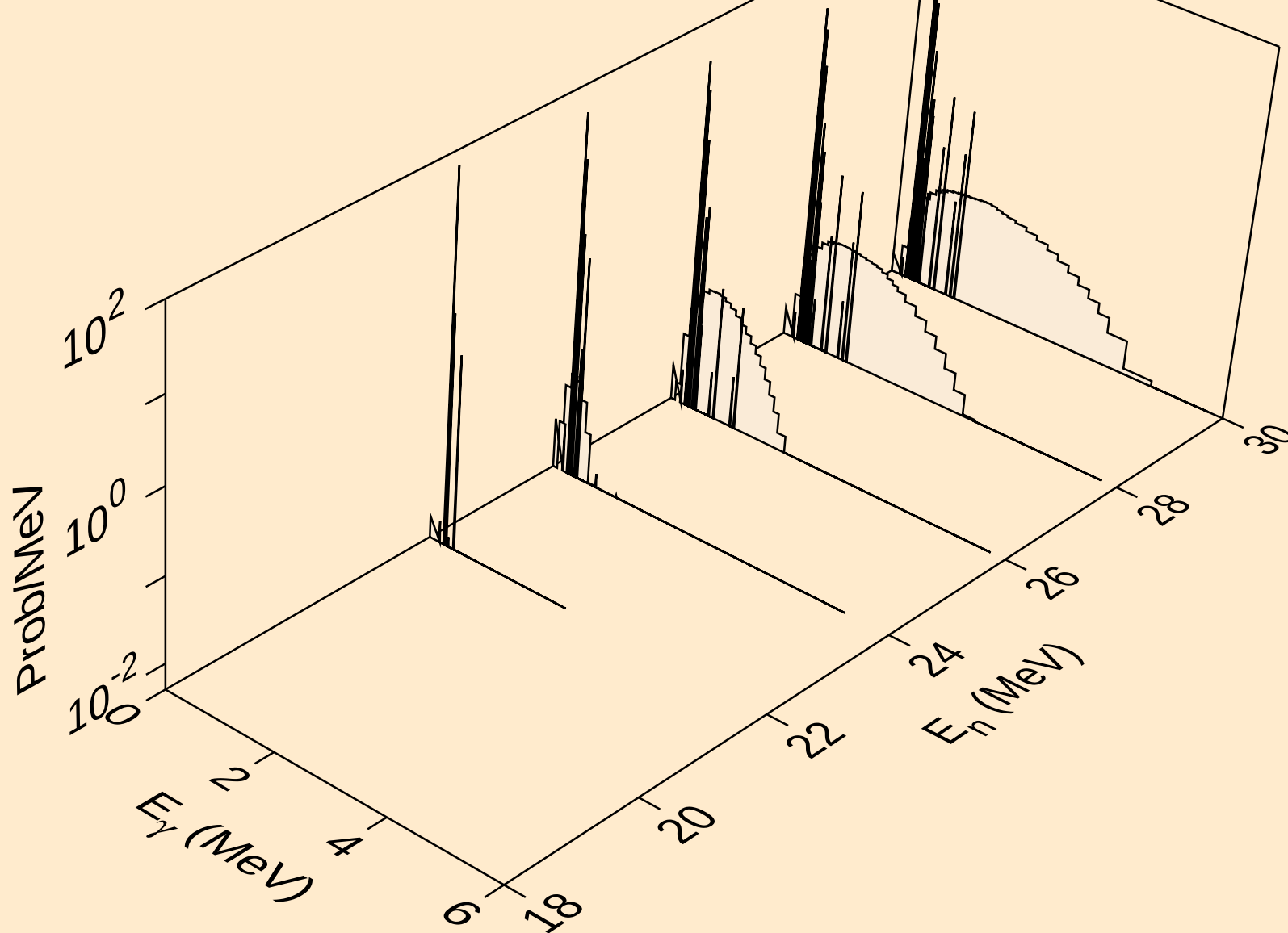
Photon emission for (n,n\*)t



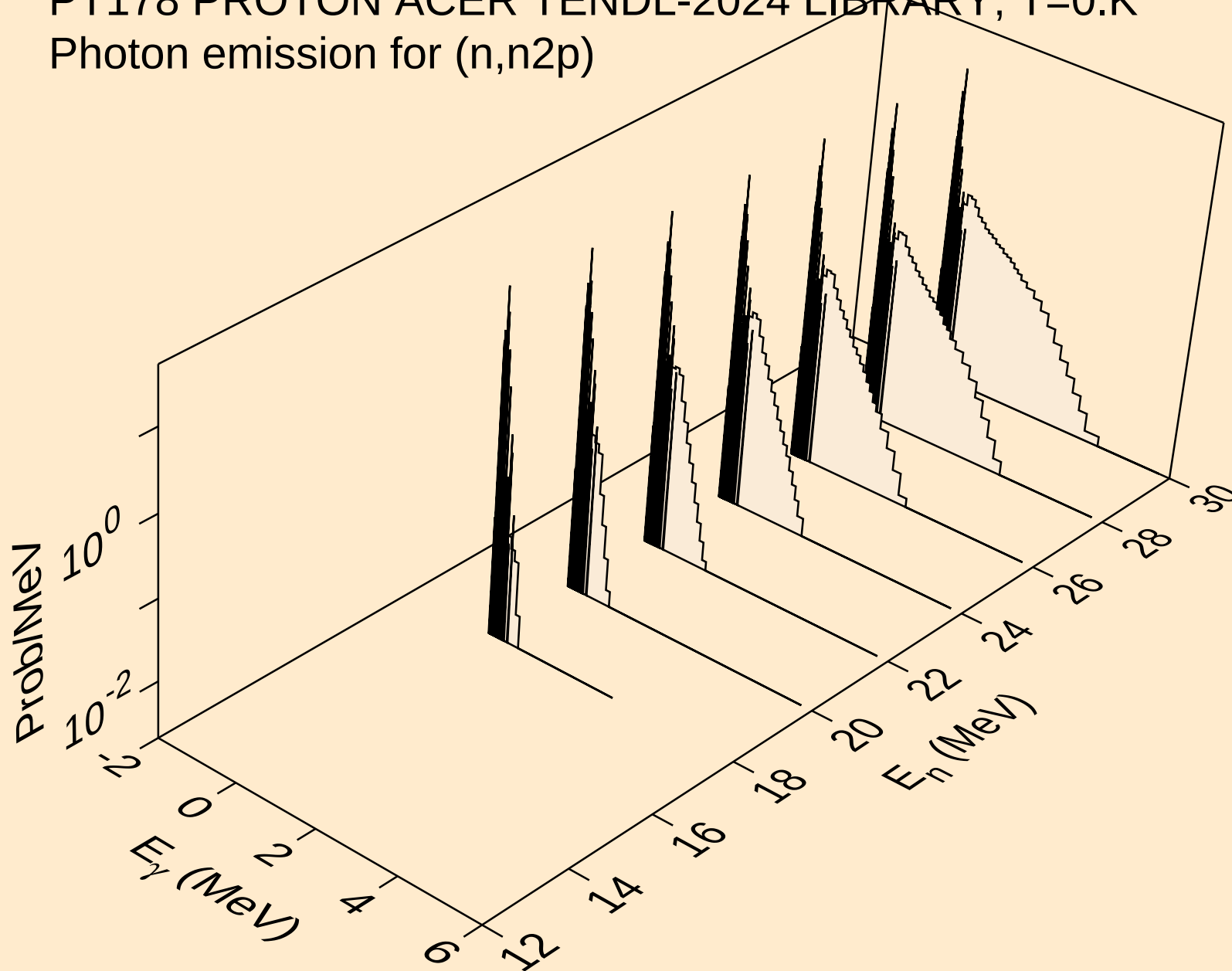
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



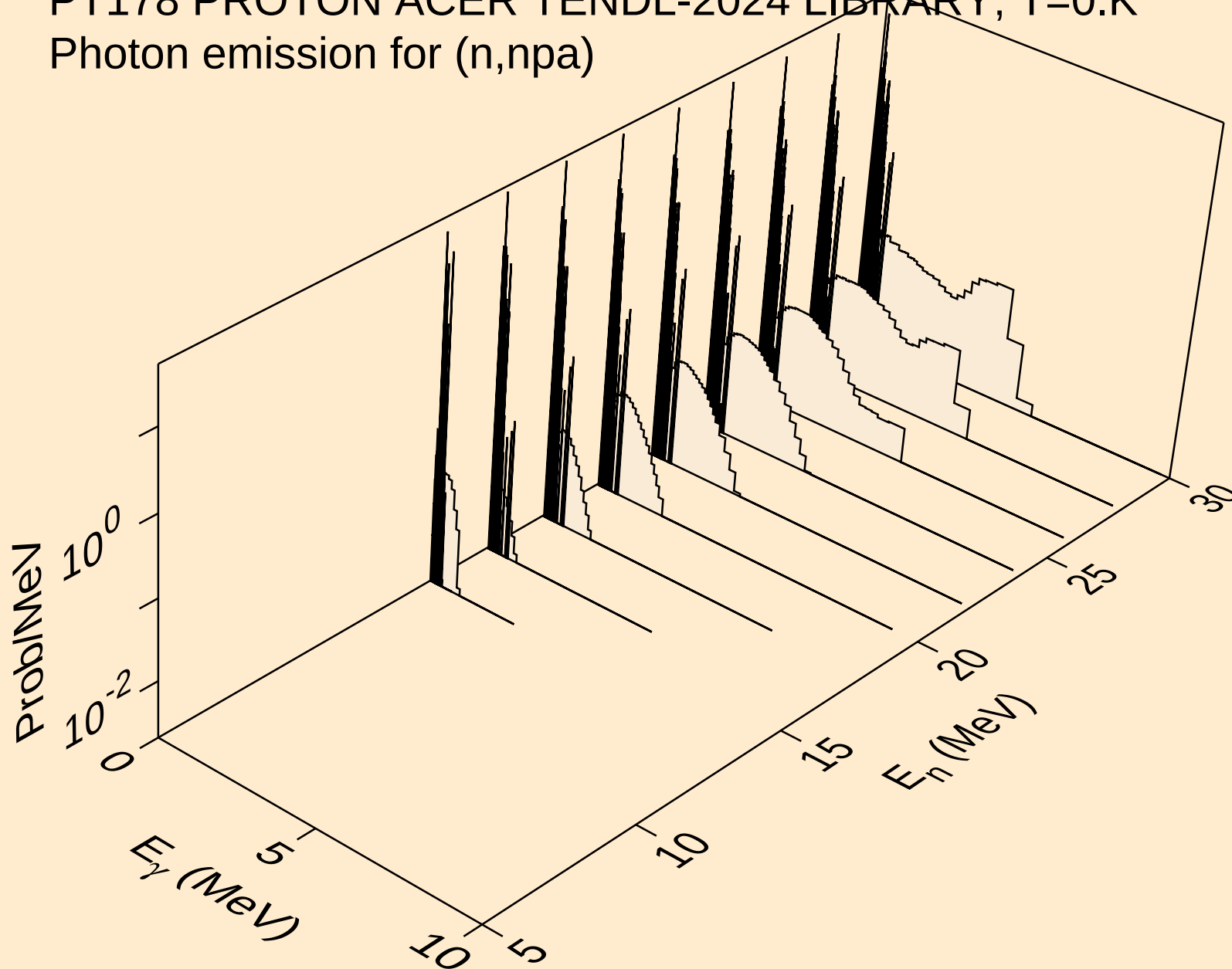
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



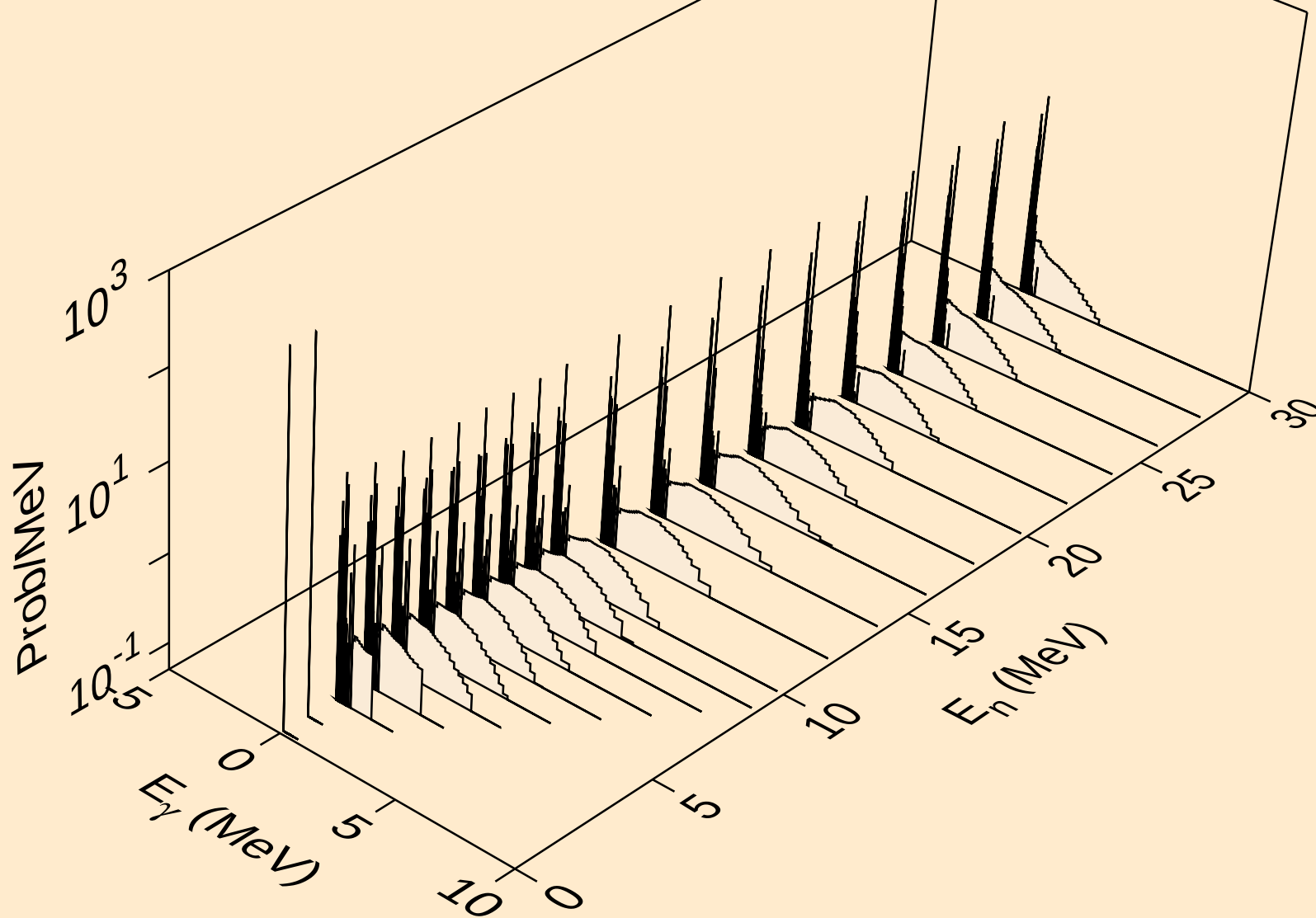
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



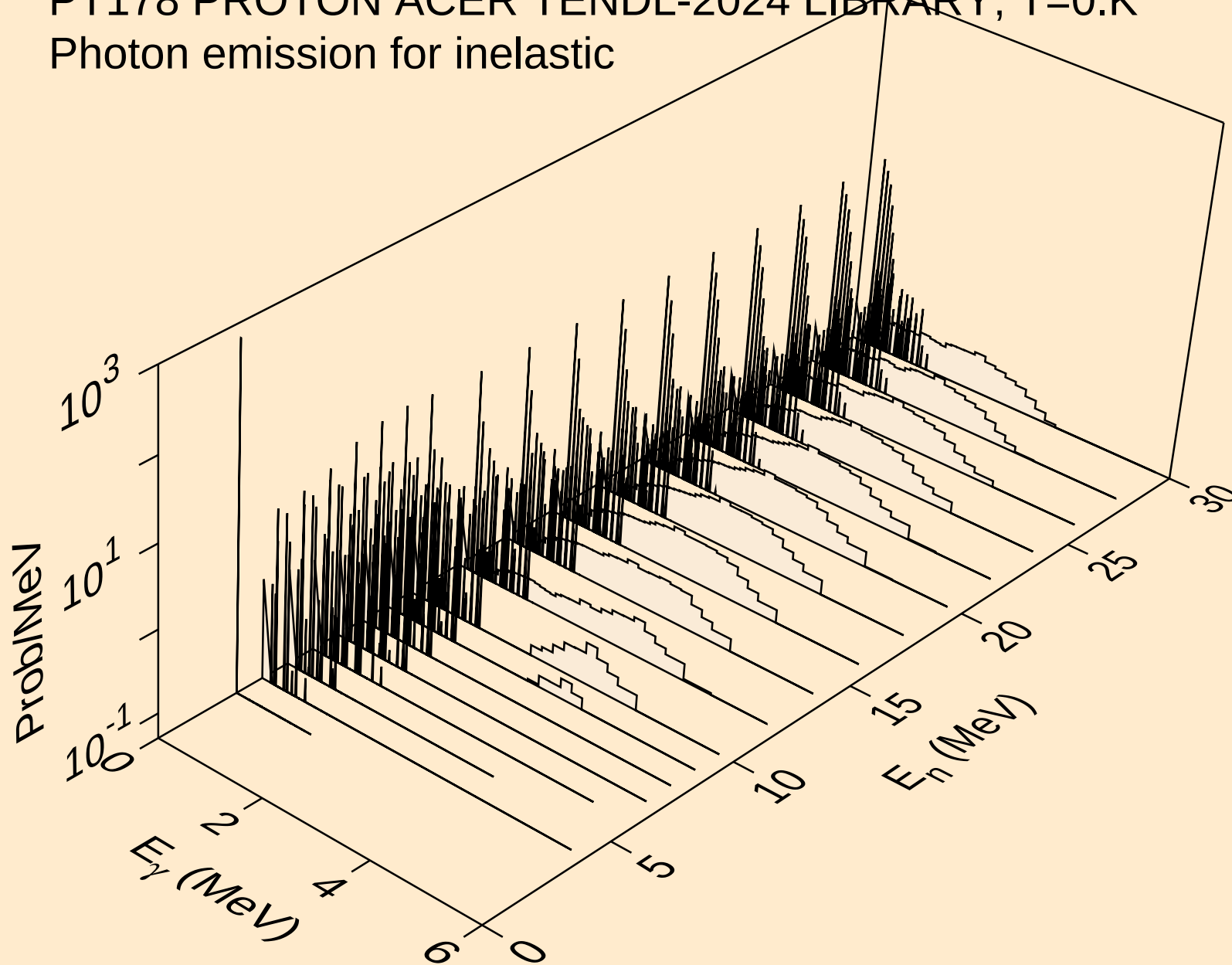
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



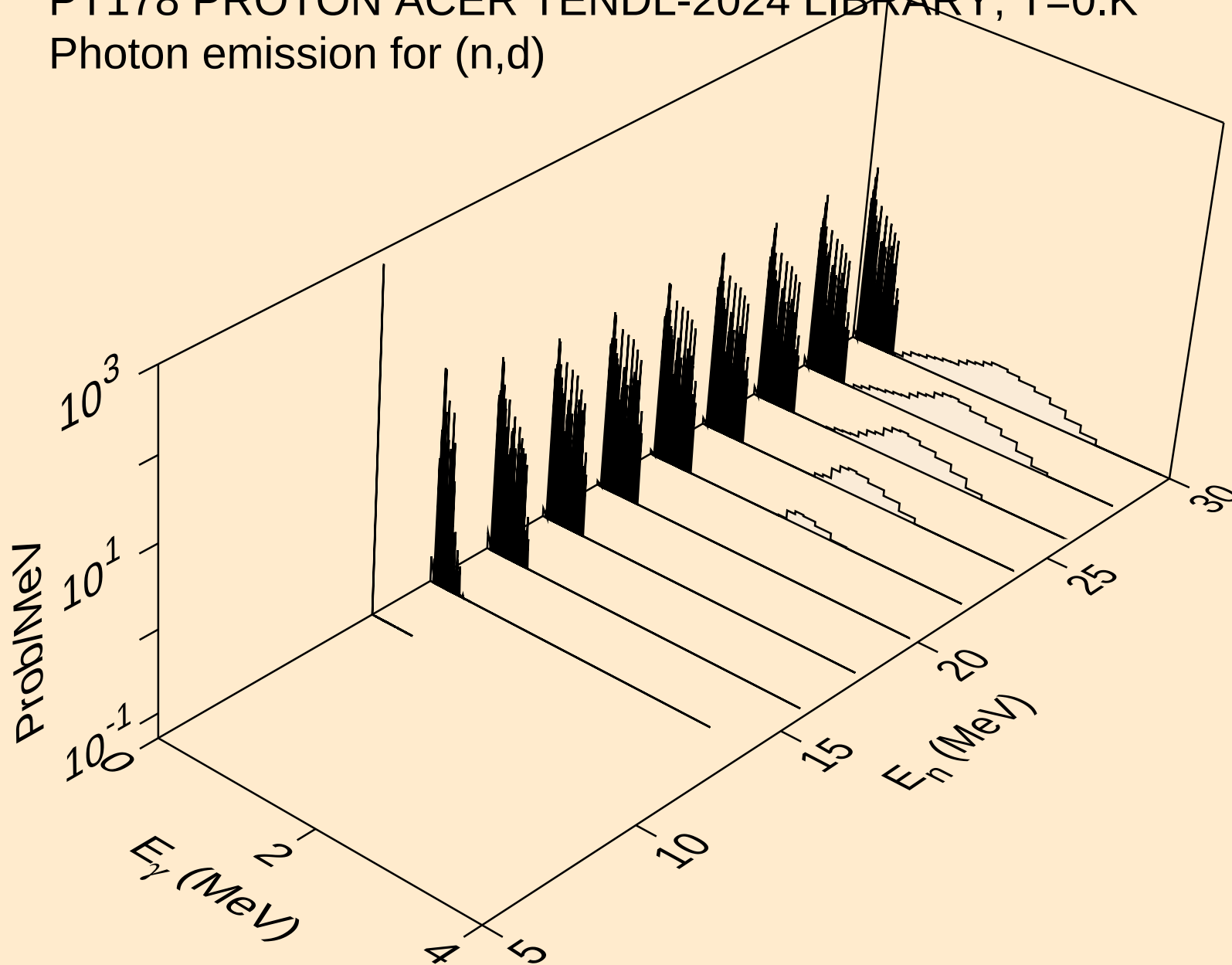
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



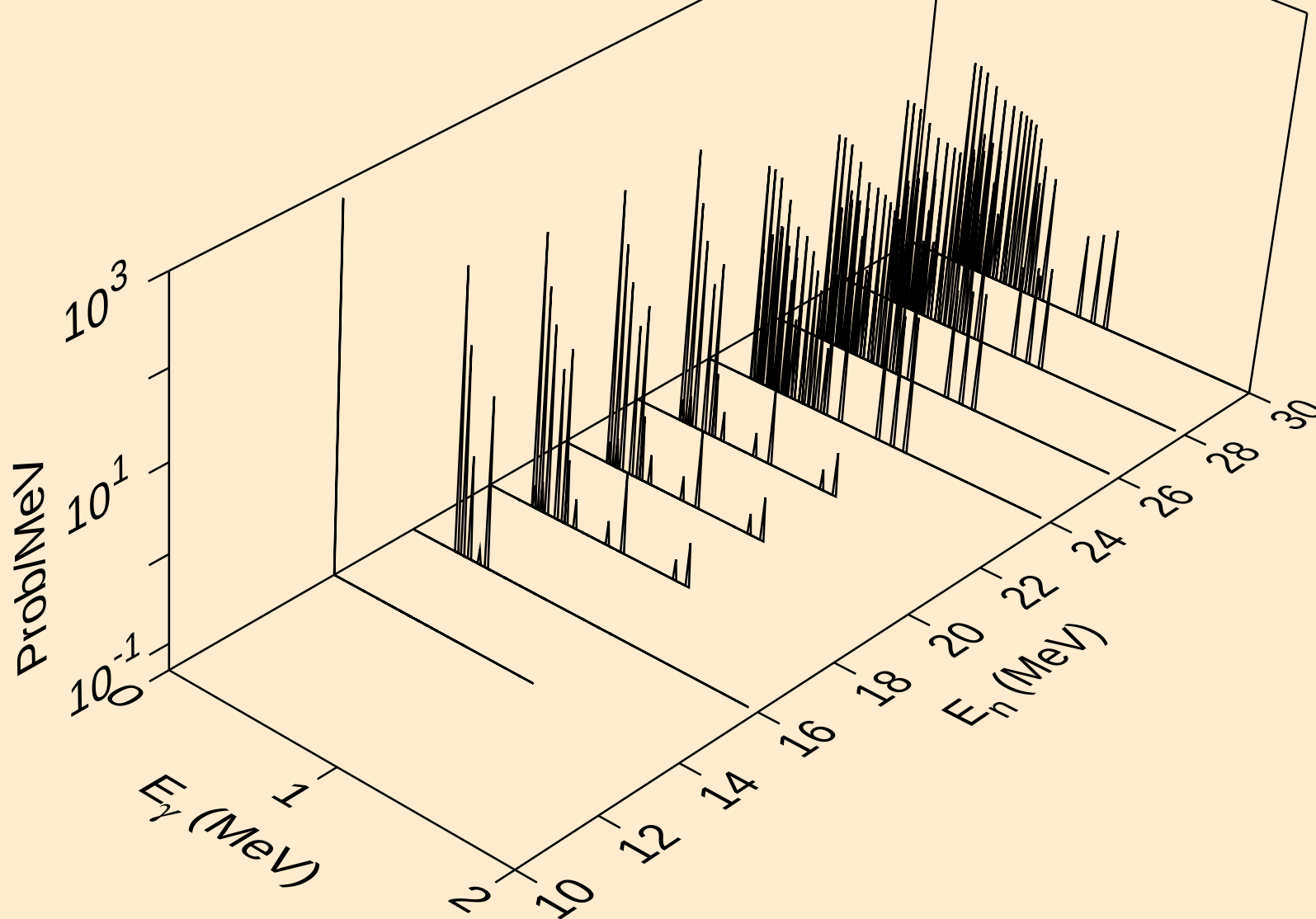
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for inelastic



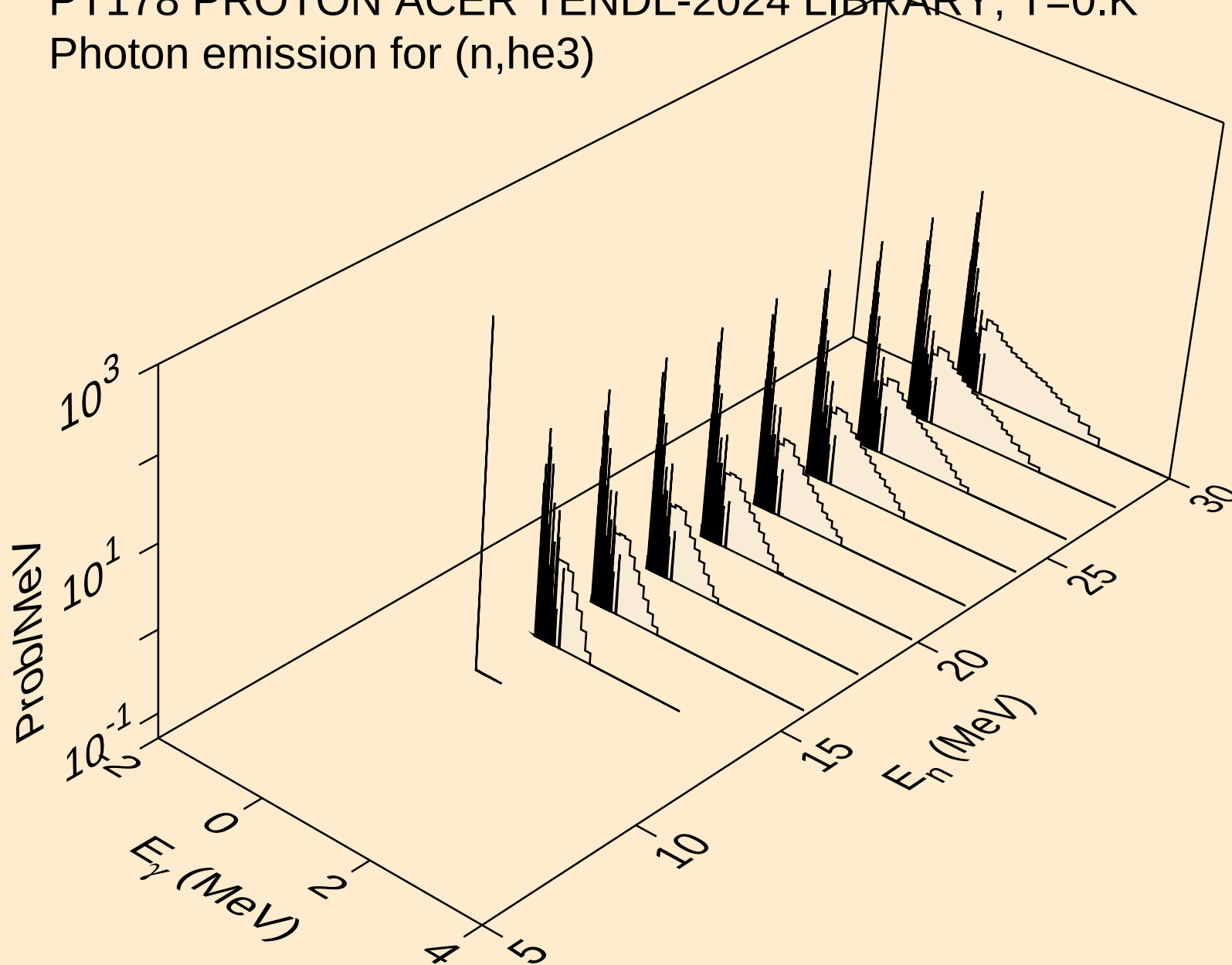
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



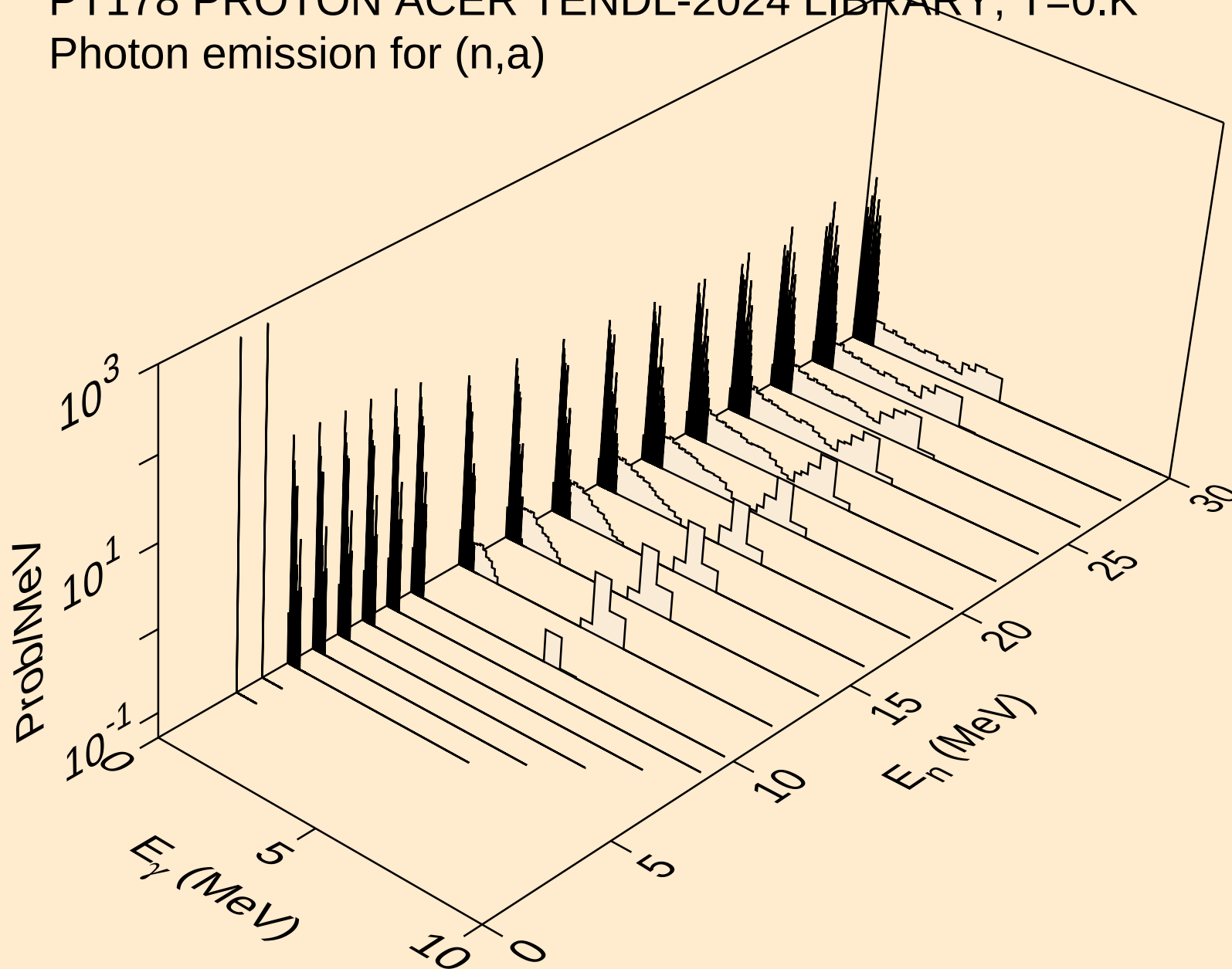
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



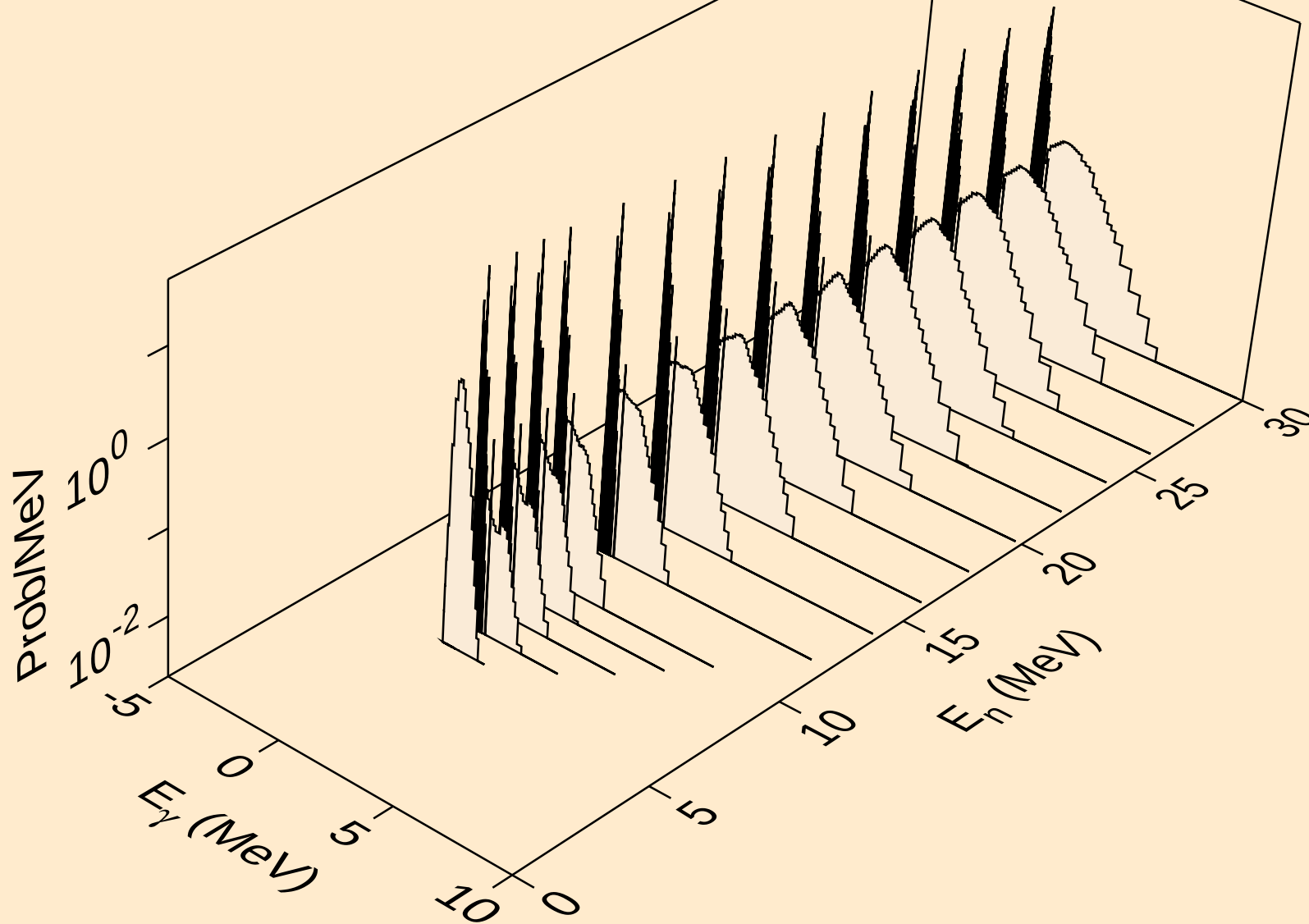
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



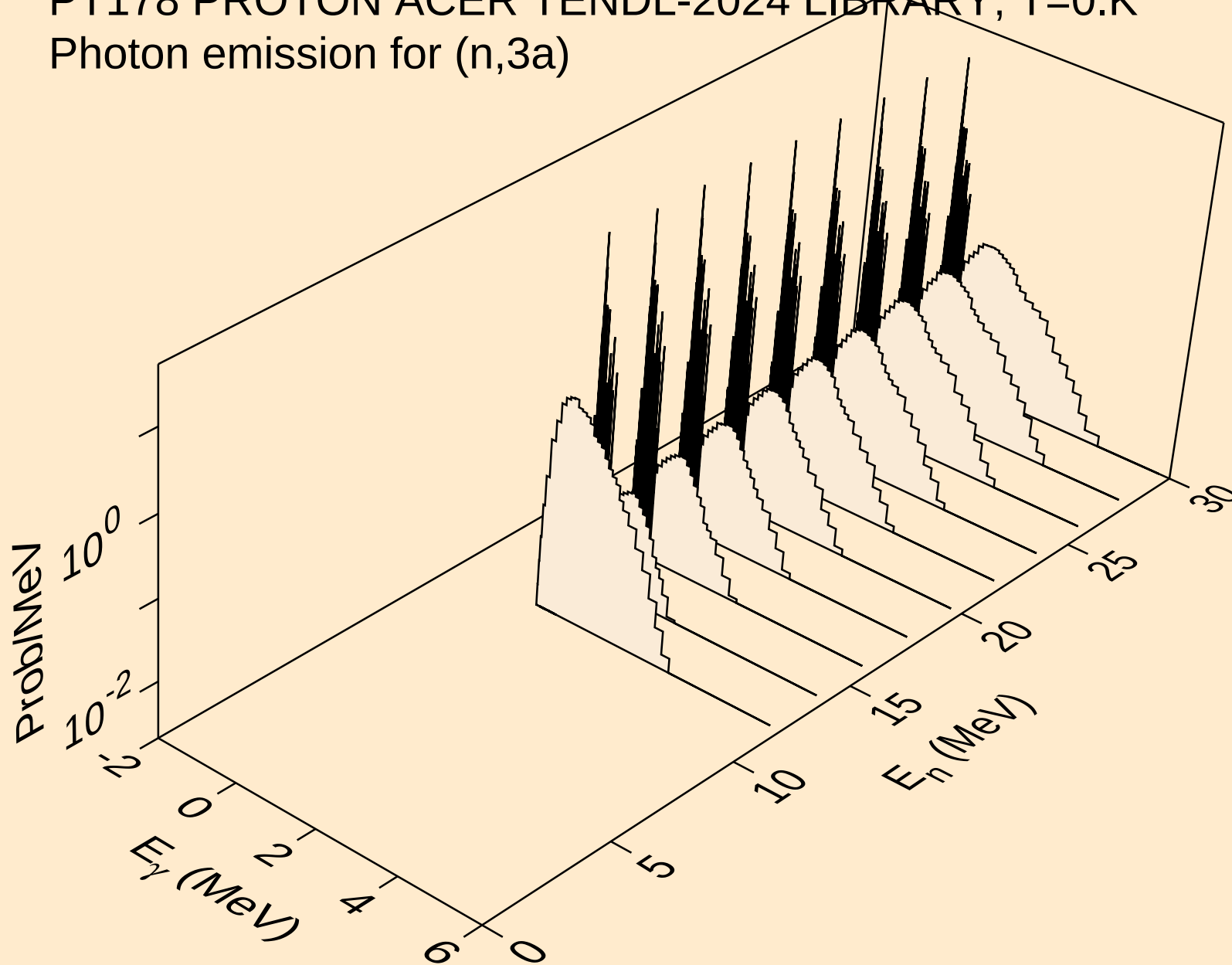
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



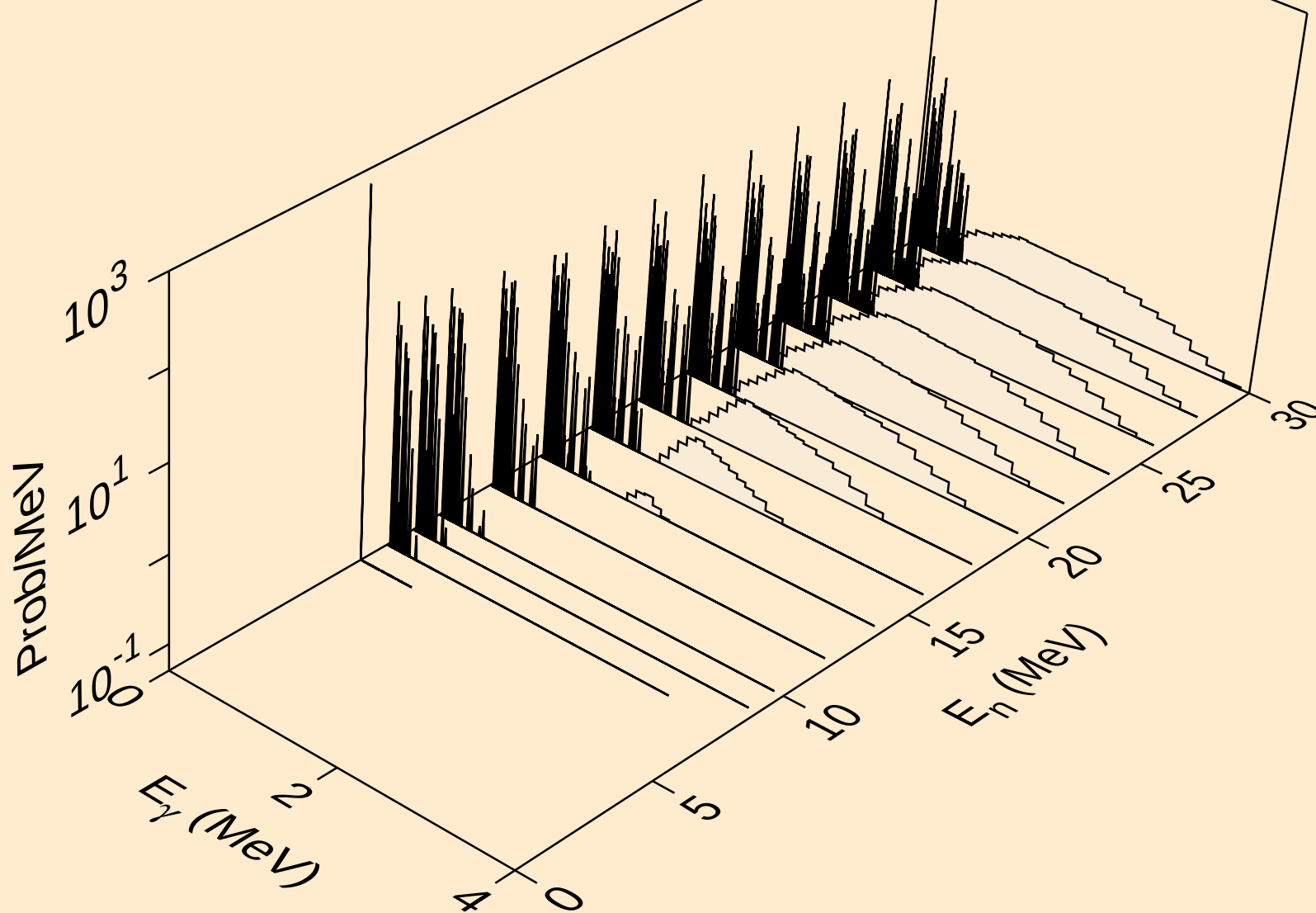
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



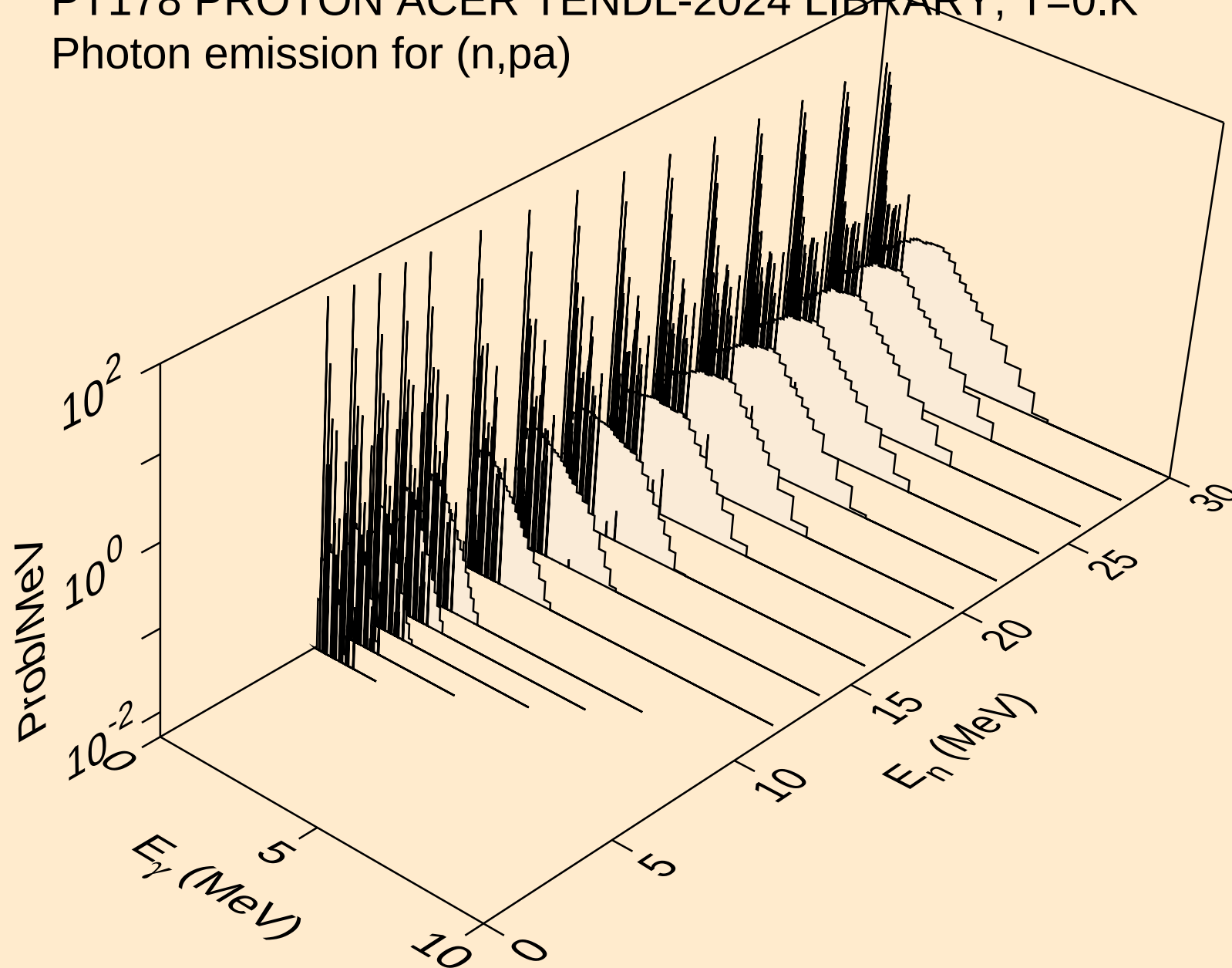
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3a)



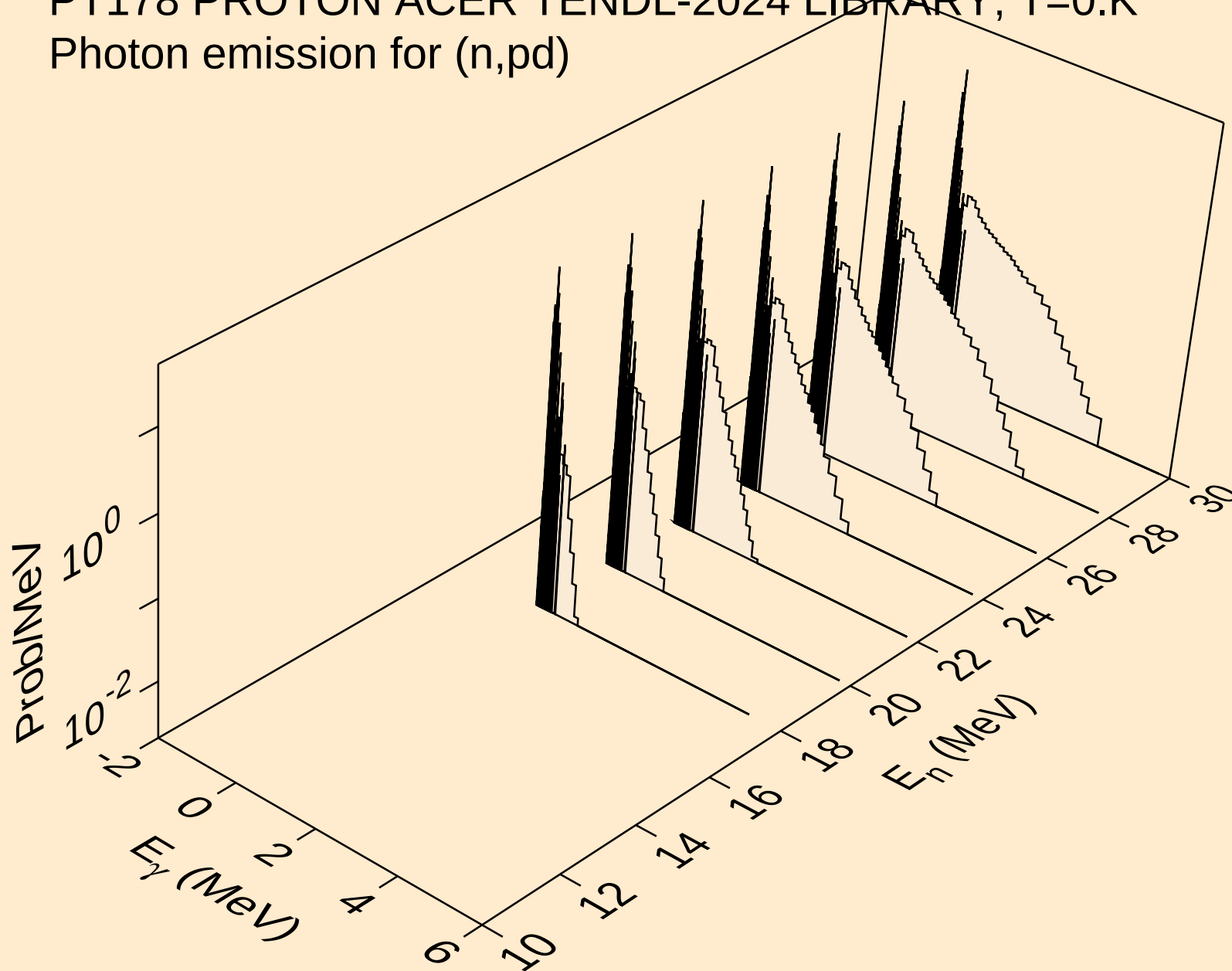
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pa)

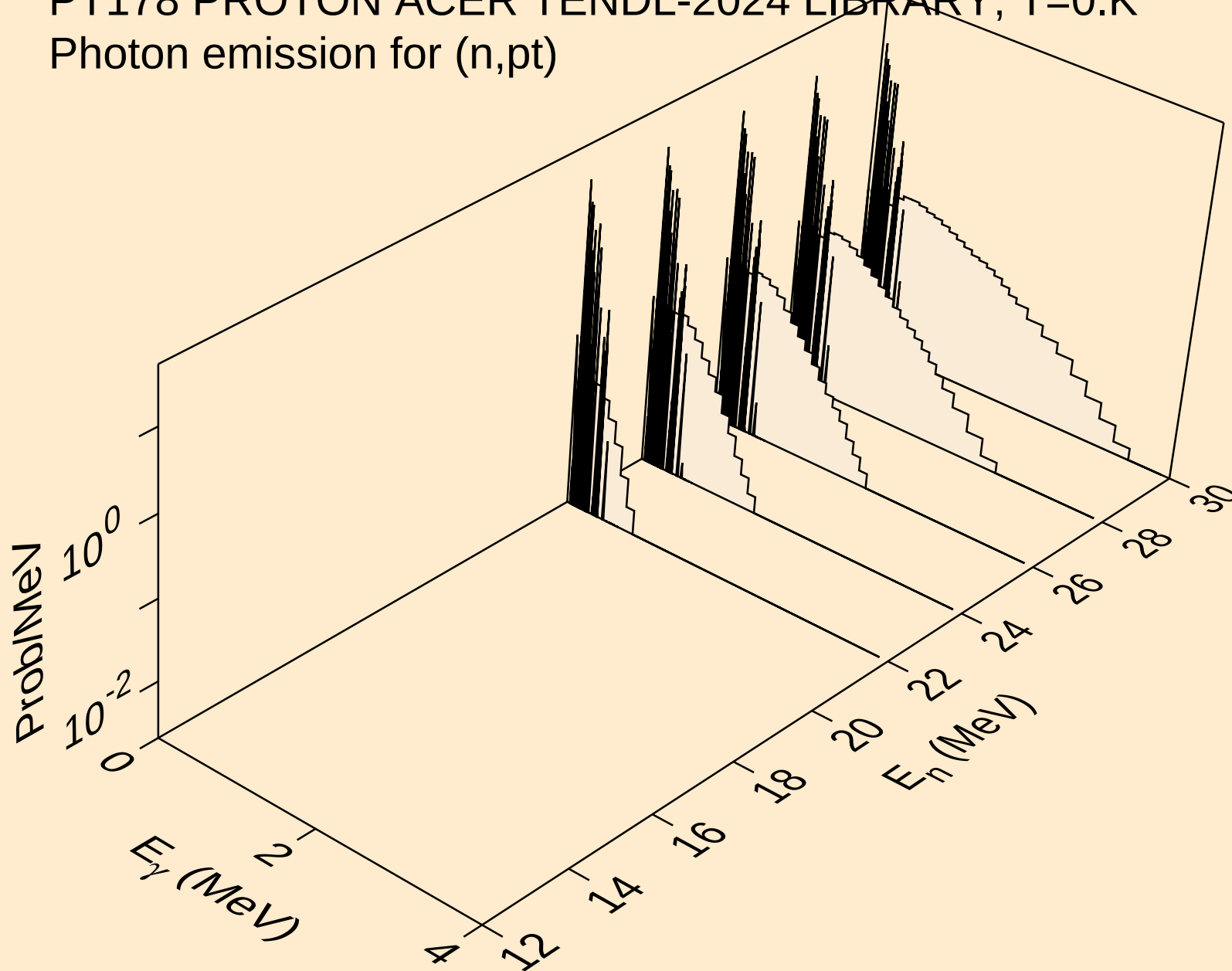


PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)

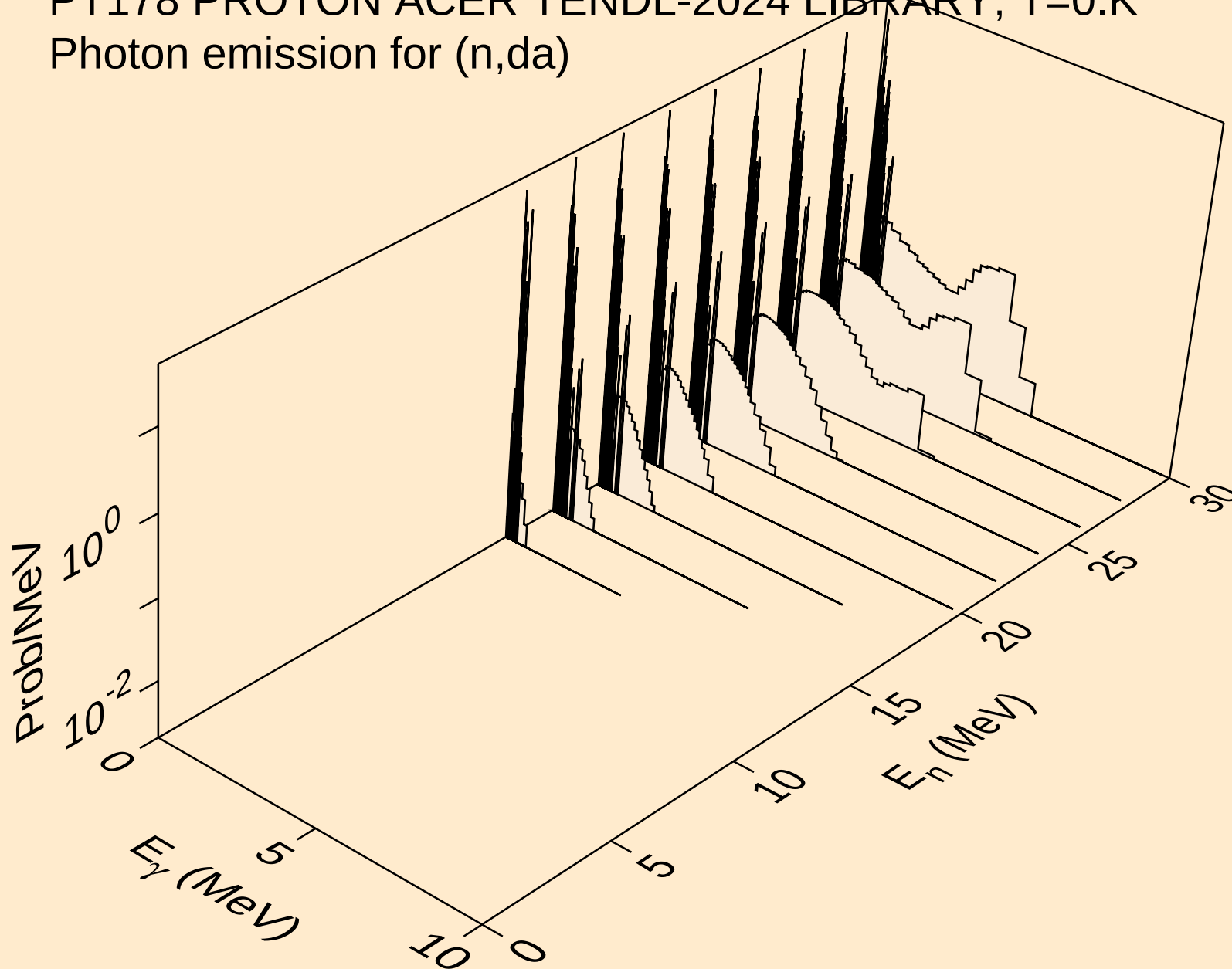


PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,pt)

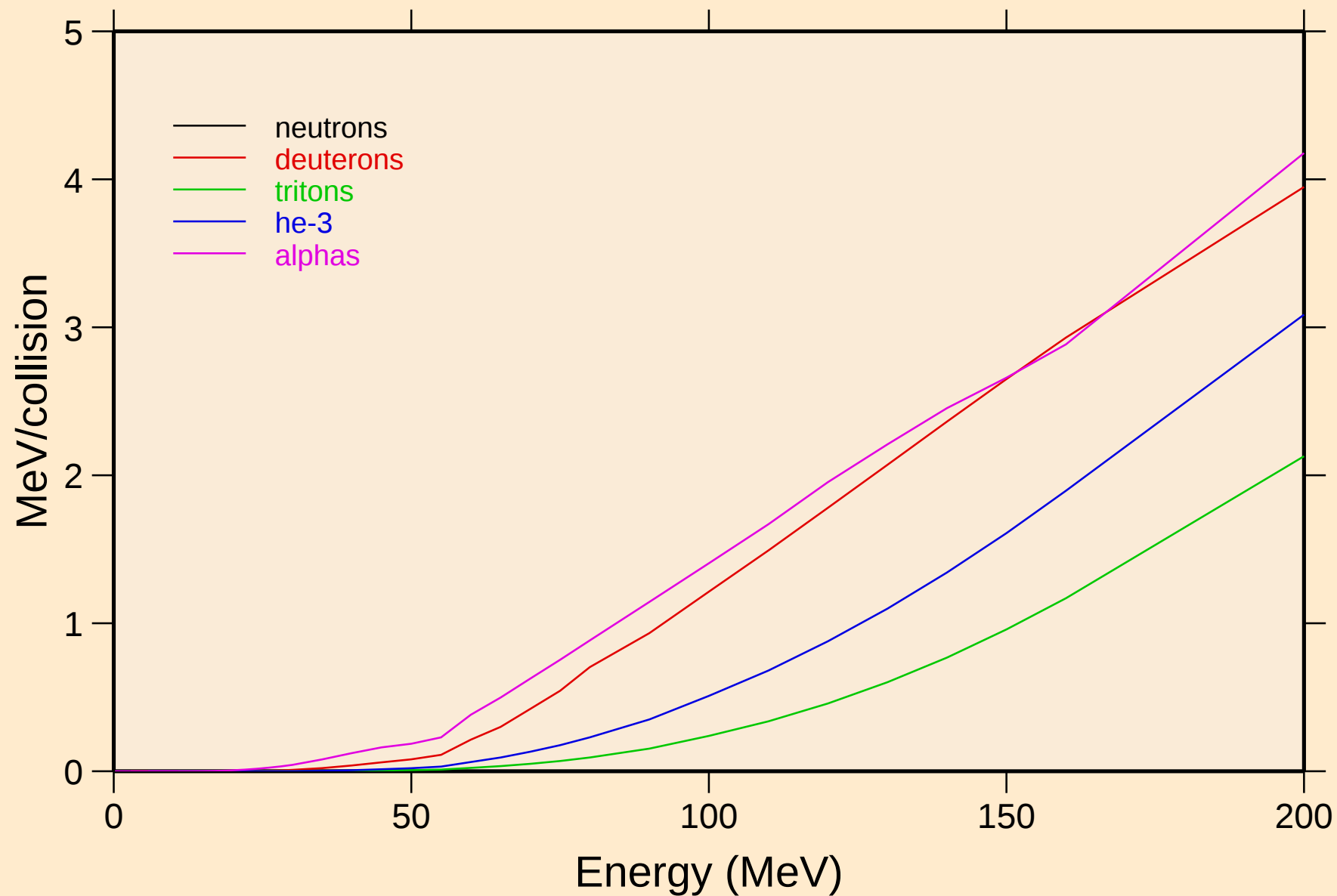


PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



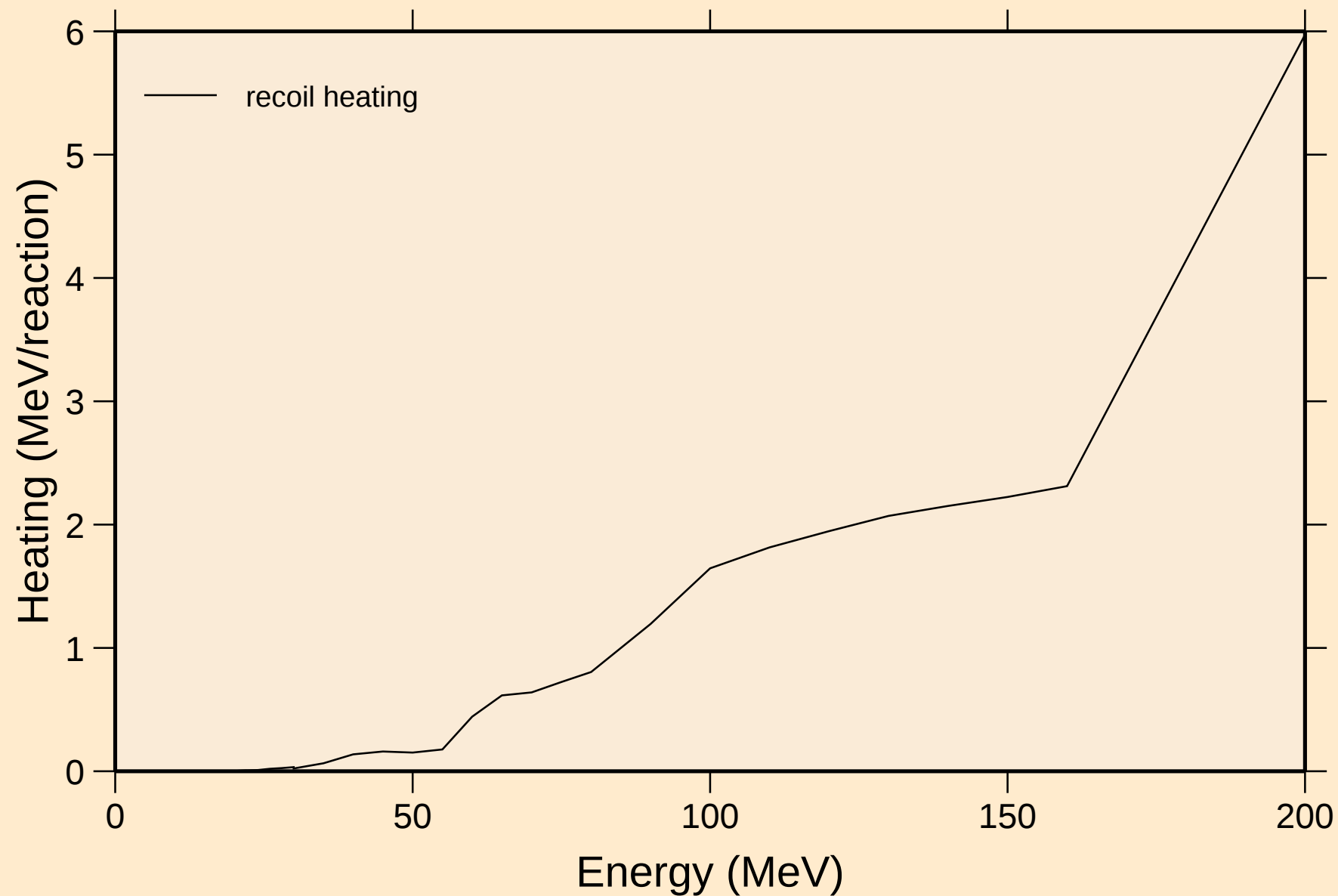
# PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions



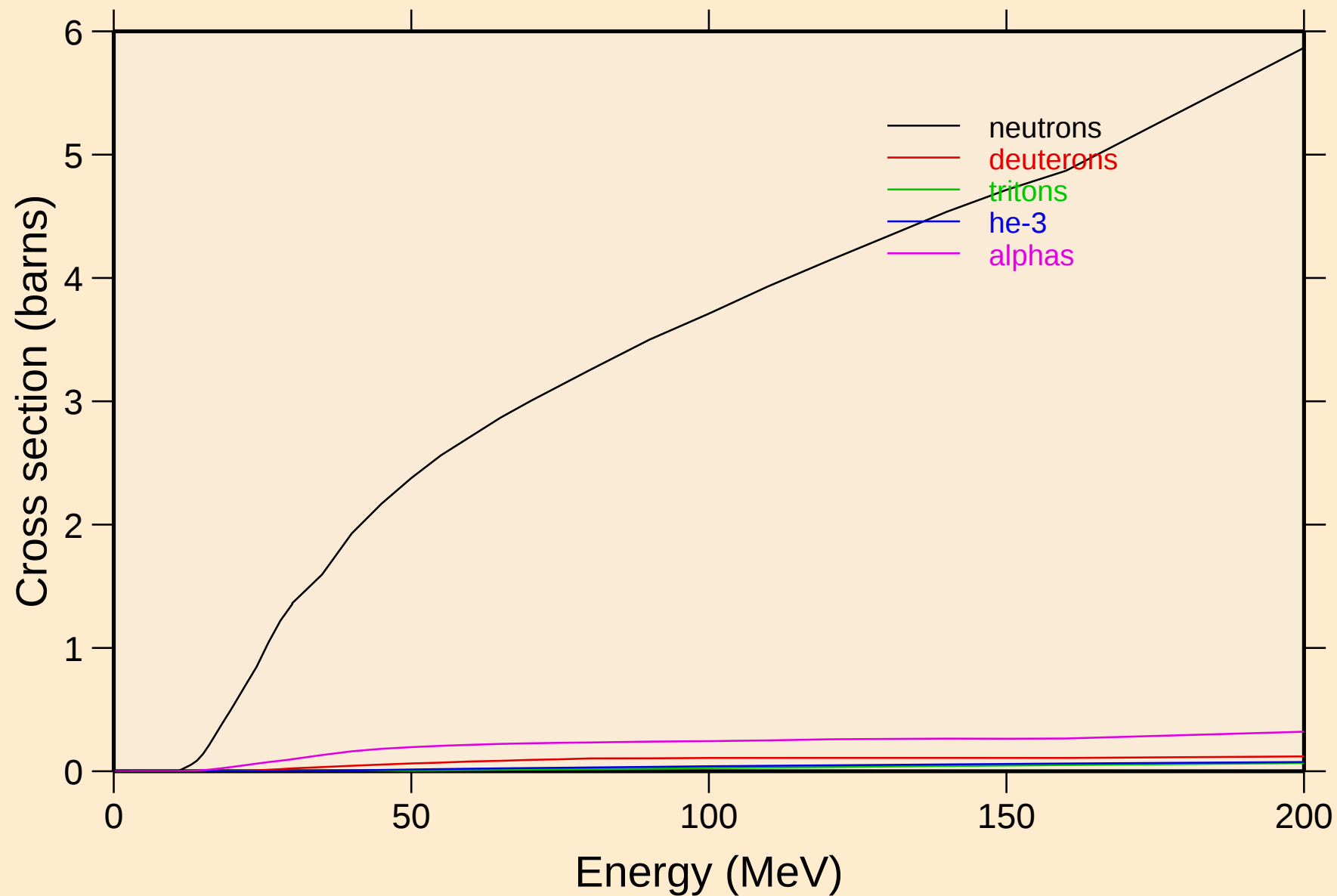
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K

Recoil Heating

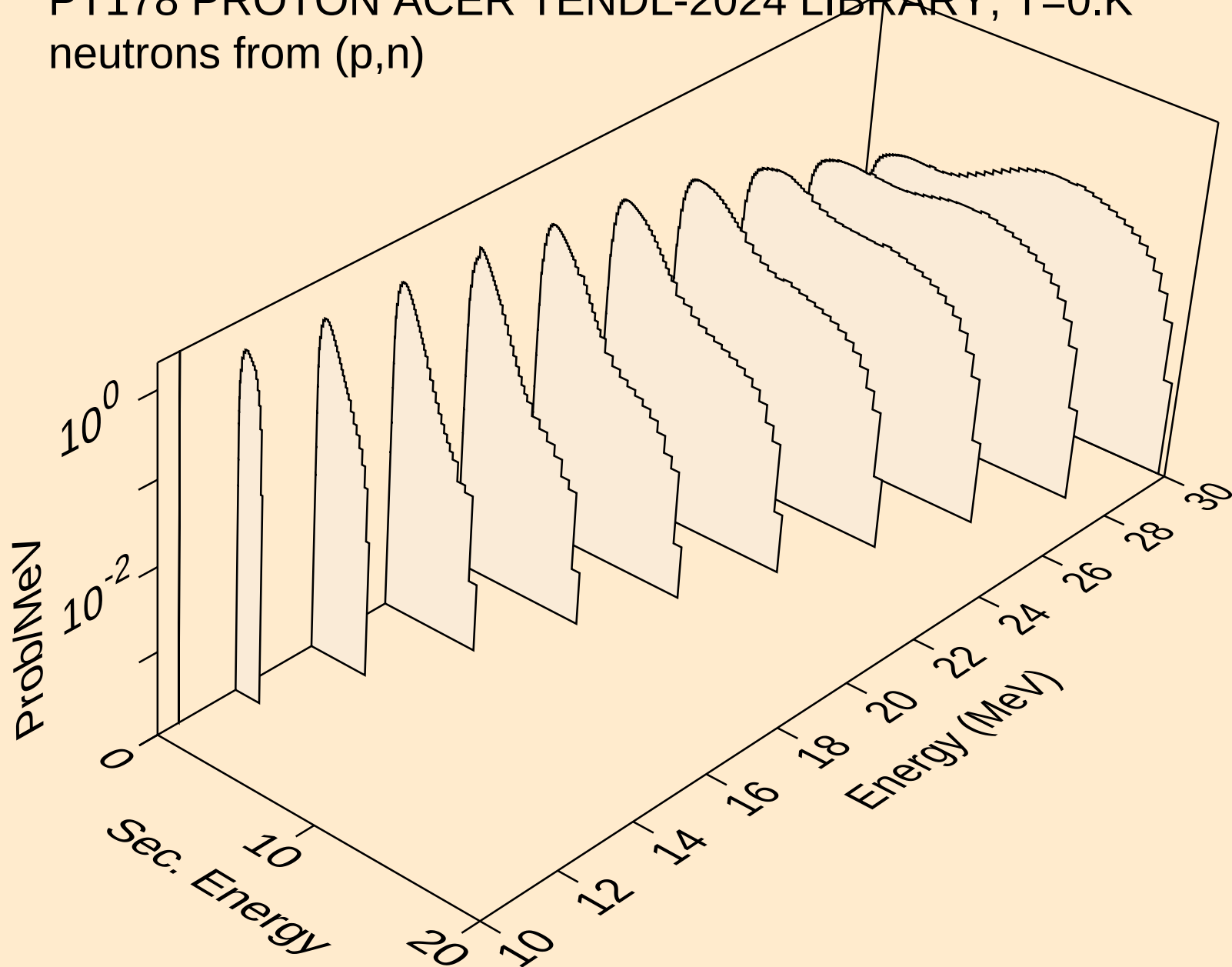


# PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K

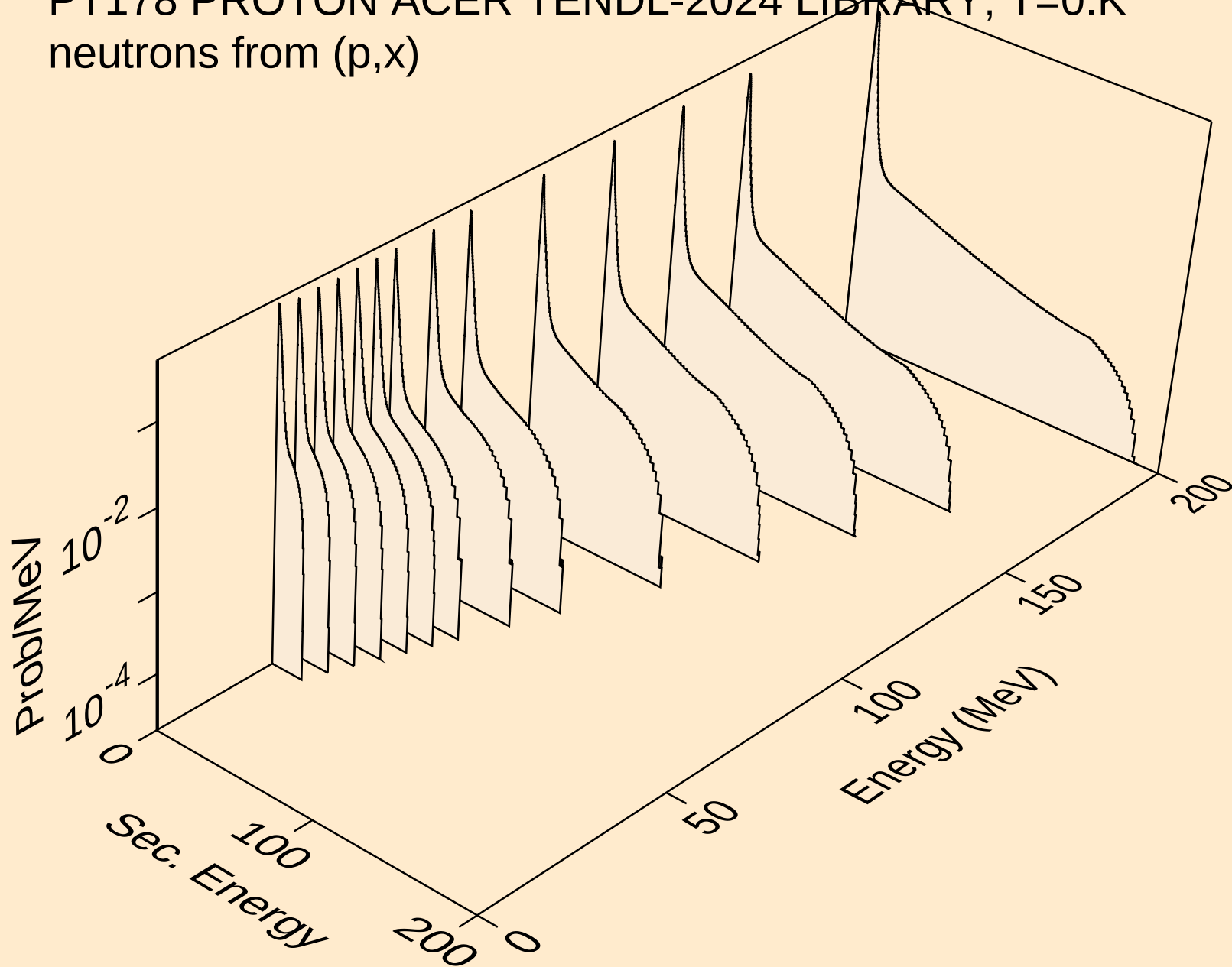
Particle production cross sections



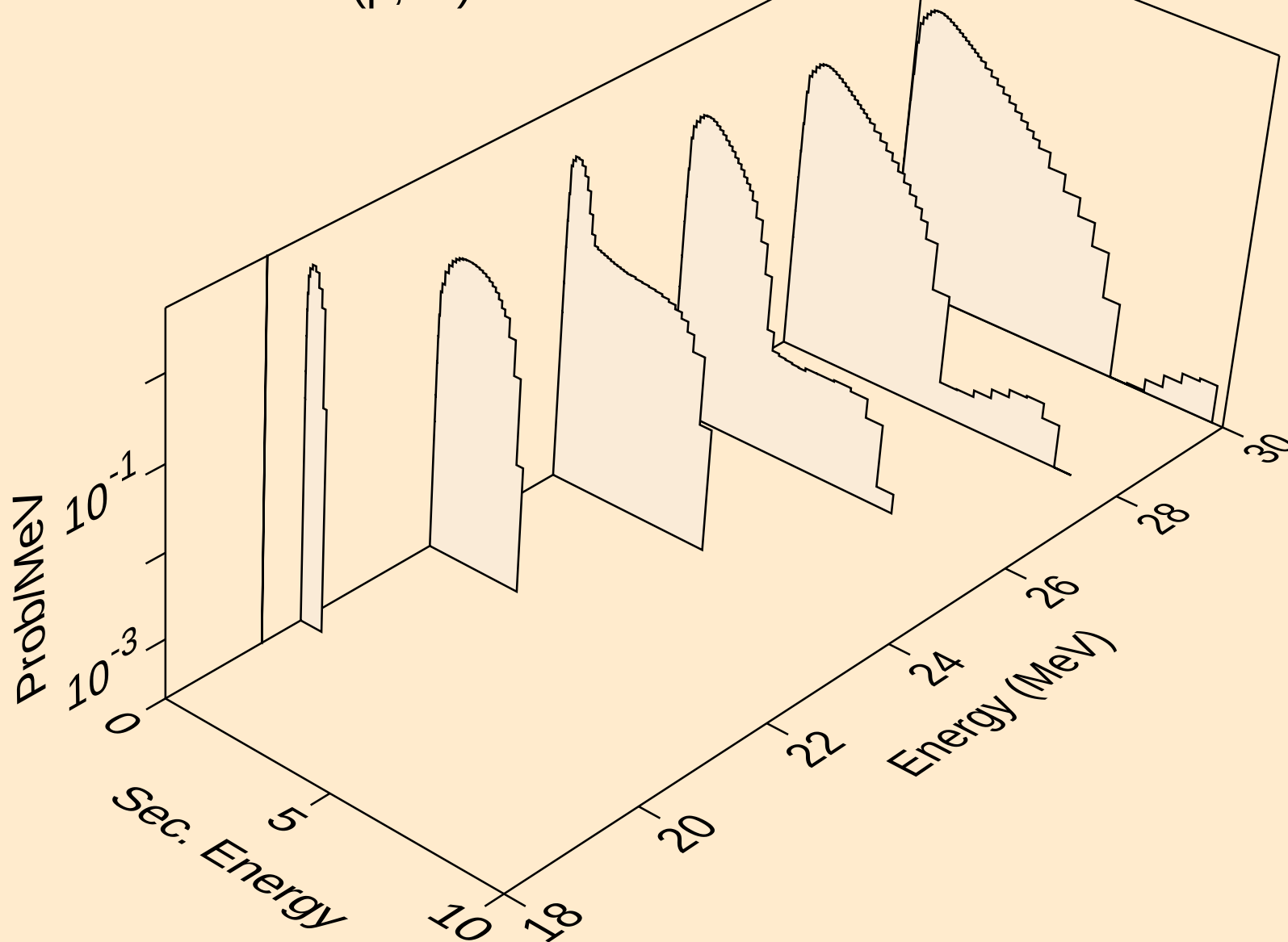
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n)



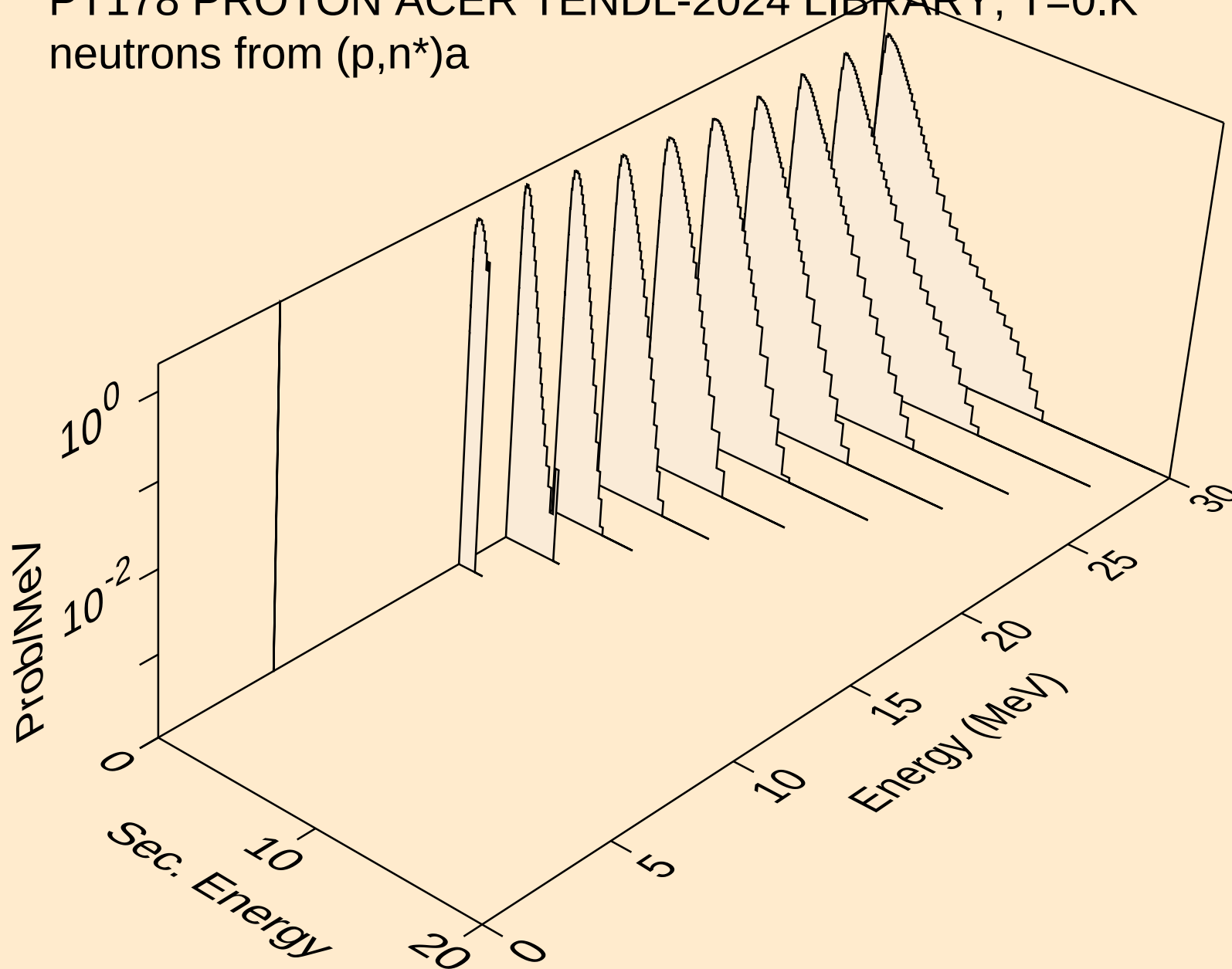
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,x)



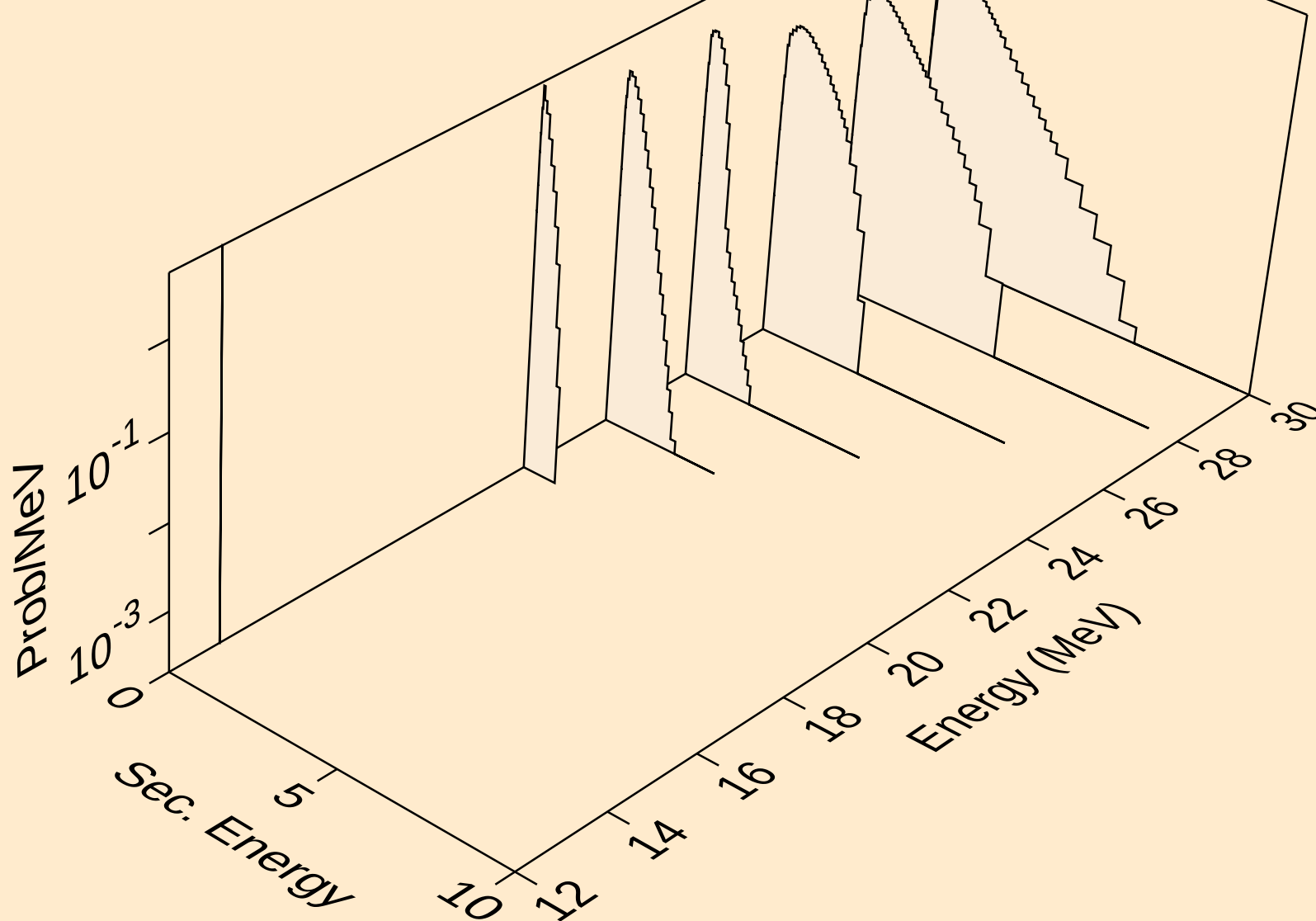
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,2n)



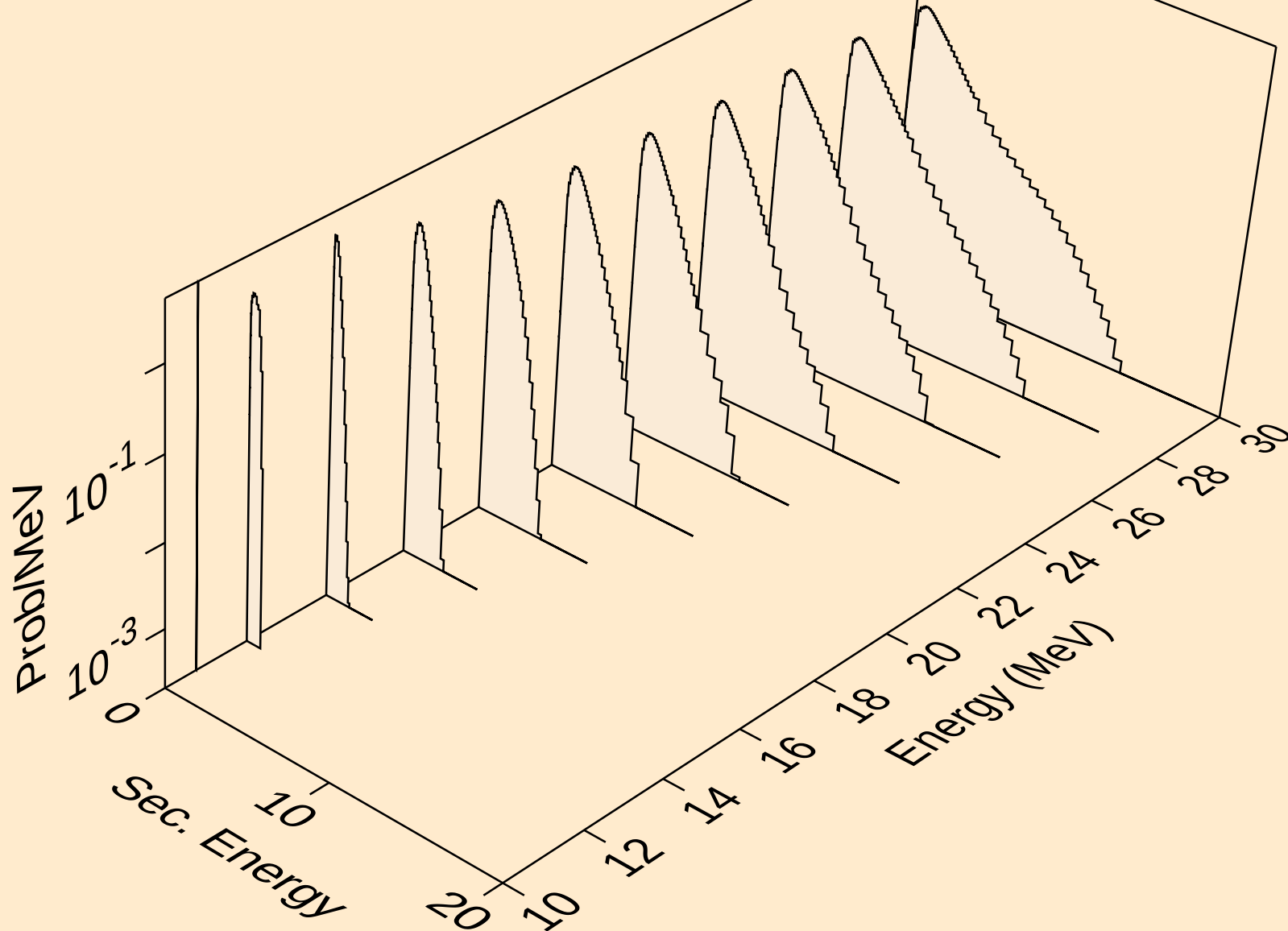
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)a



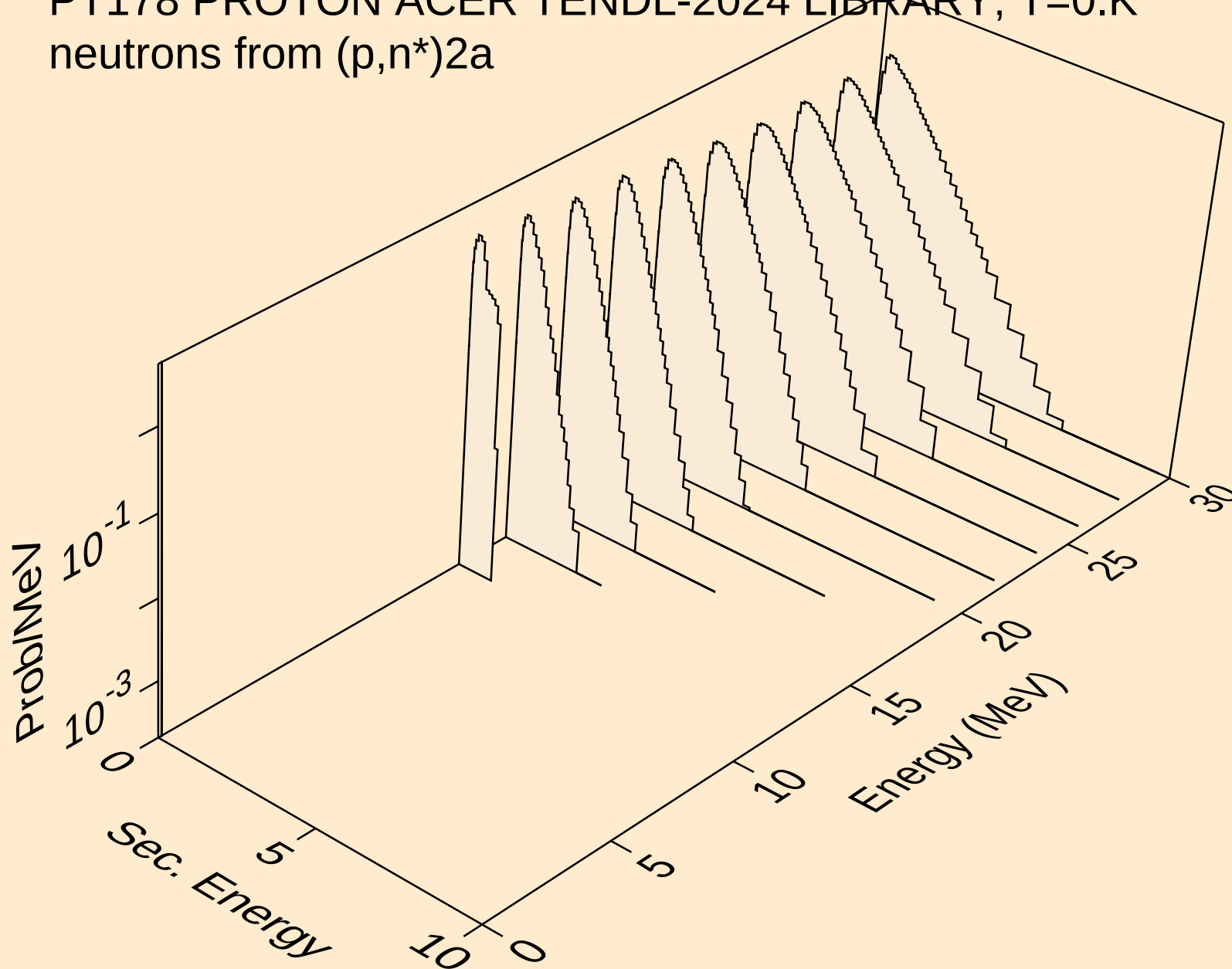
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,2n)a



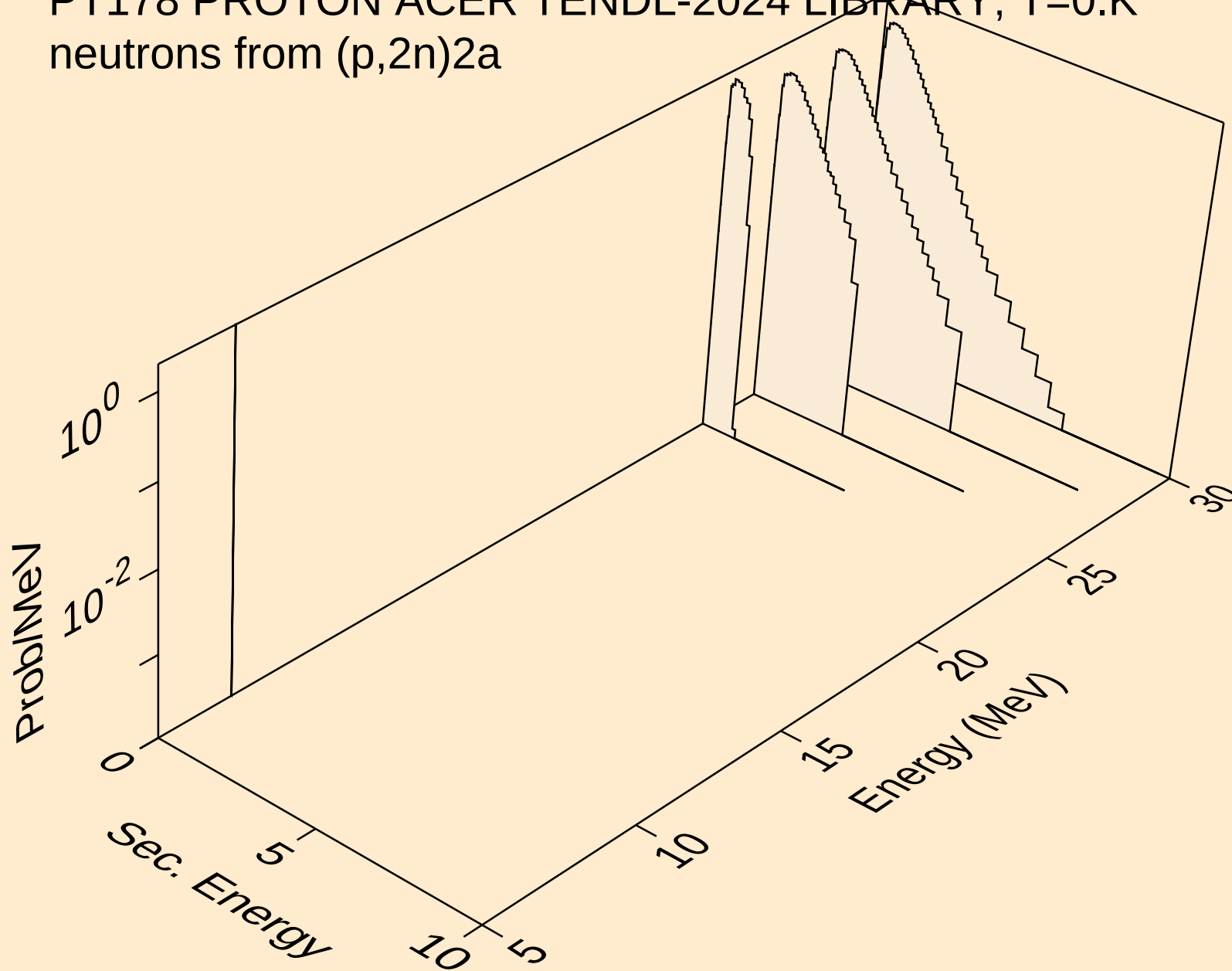
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)p



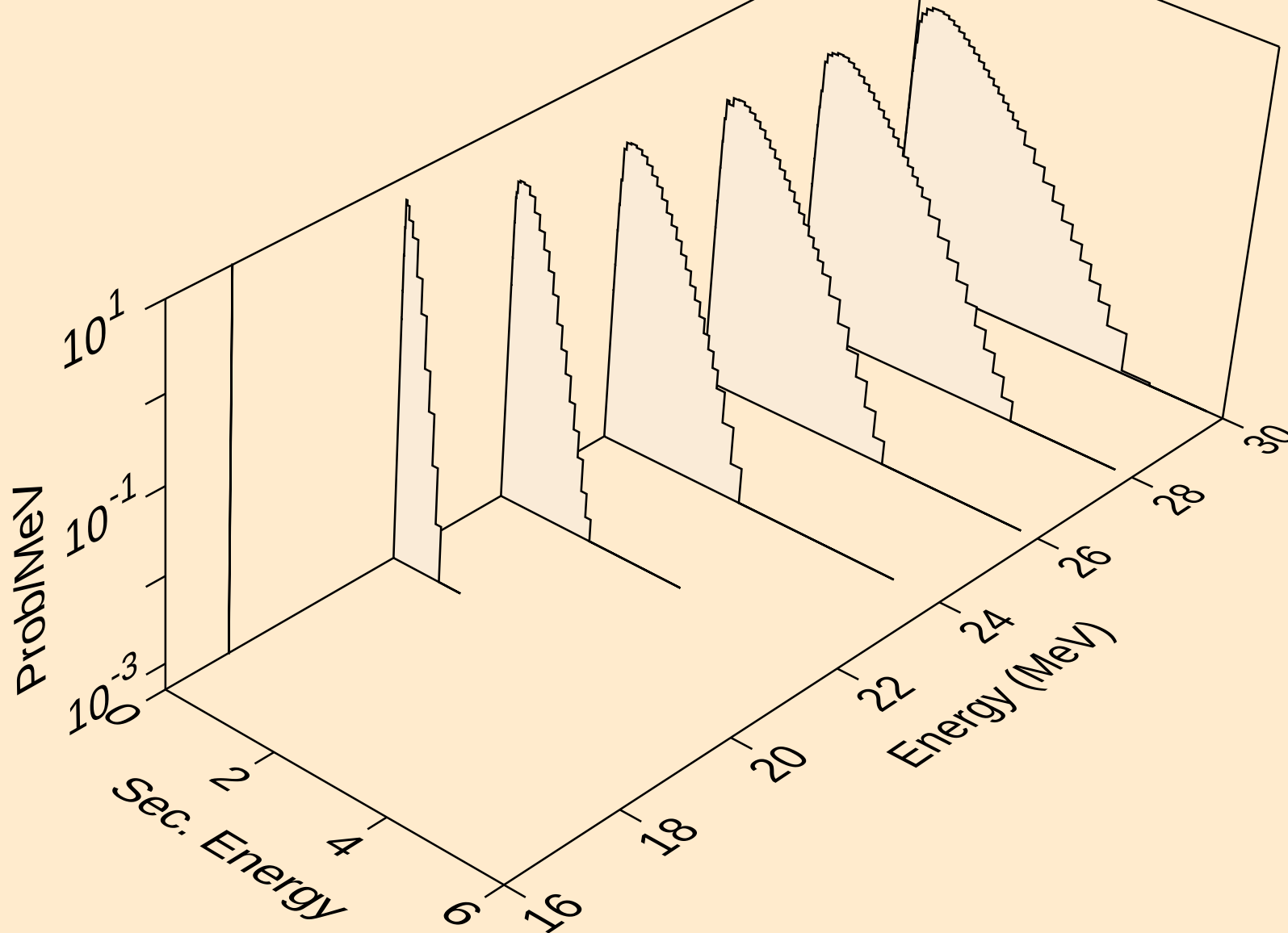
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)2a



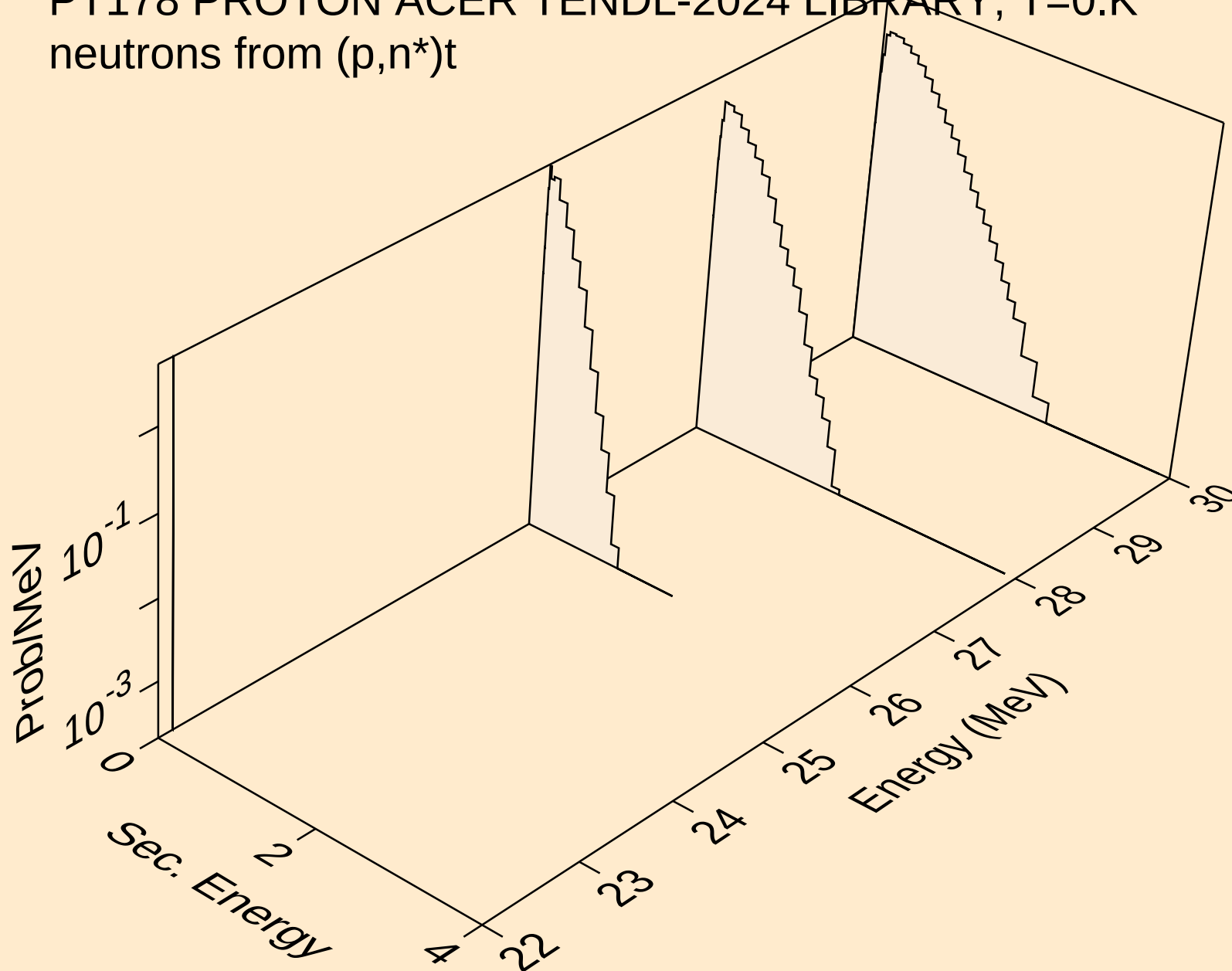
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,2n)2a



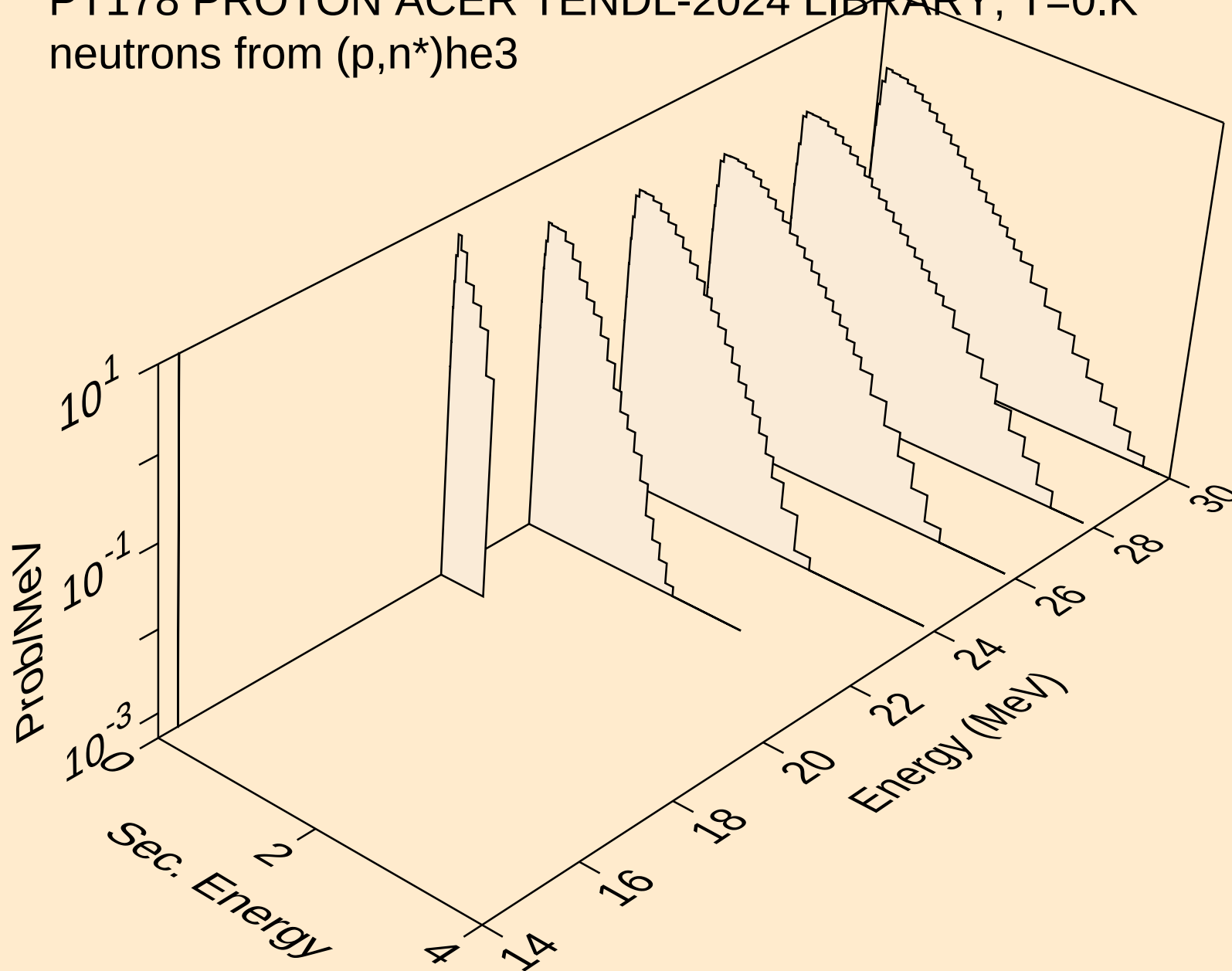
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)d



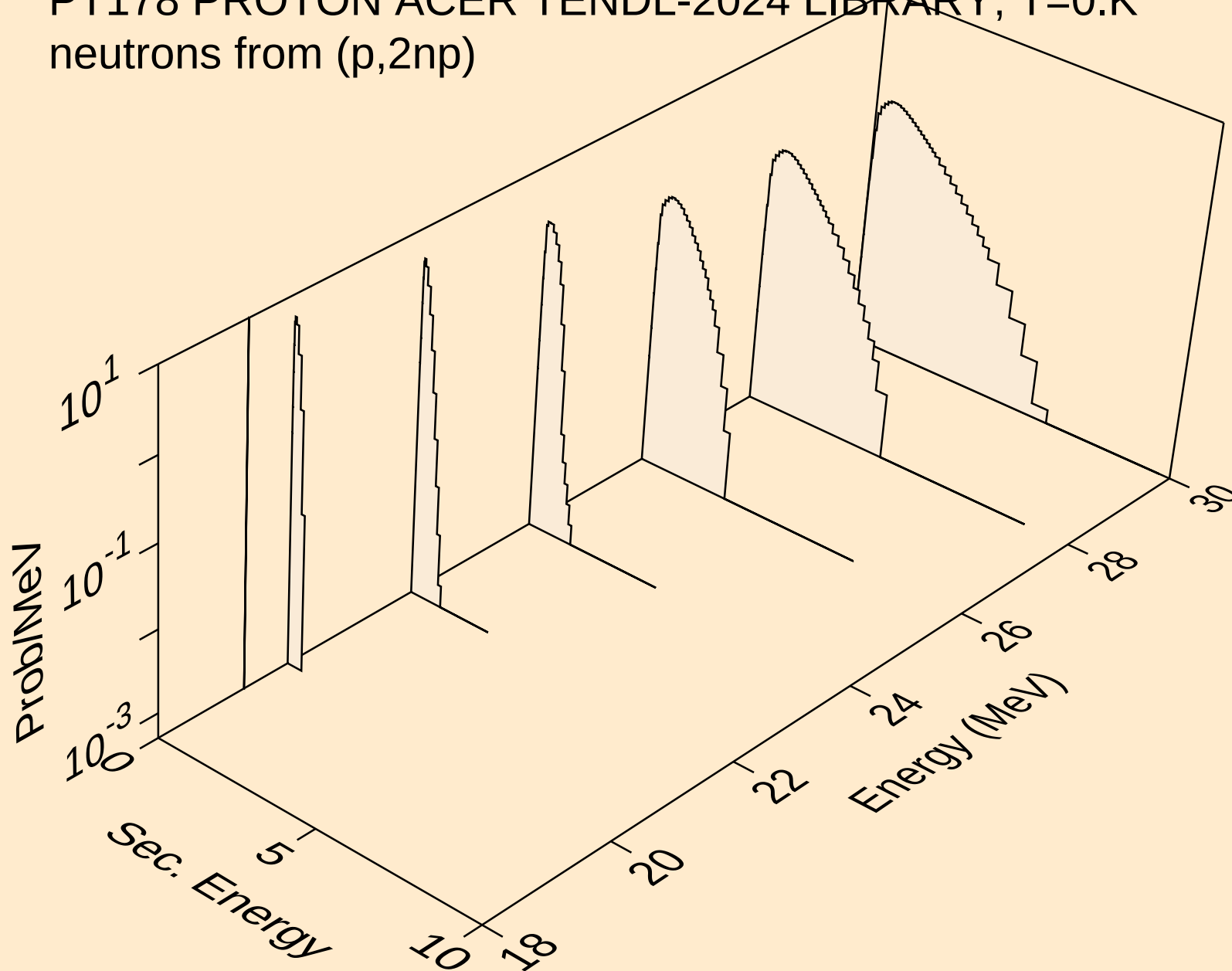
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)t



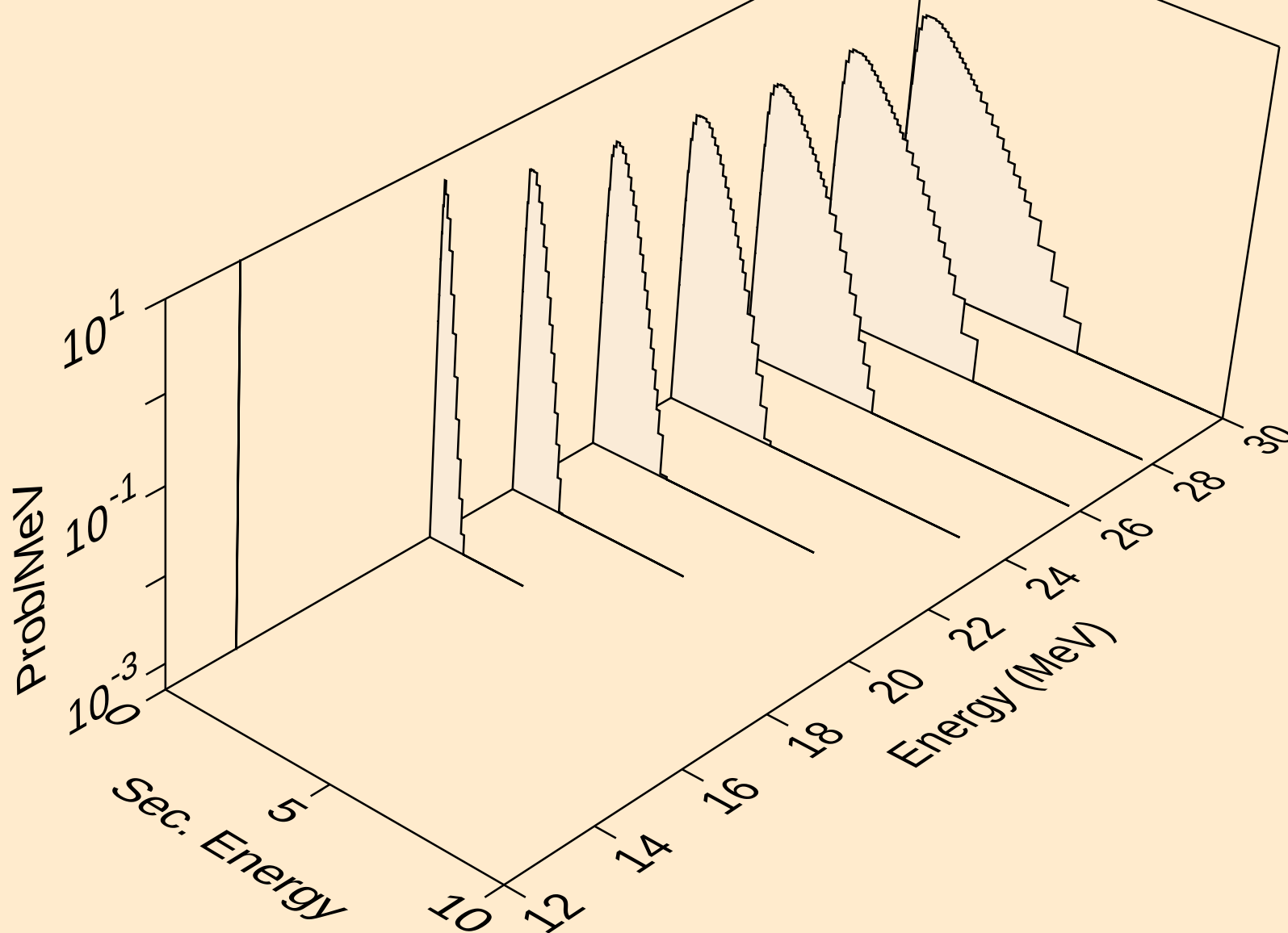
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



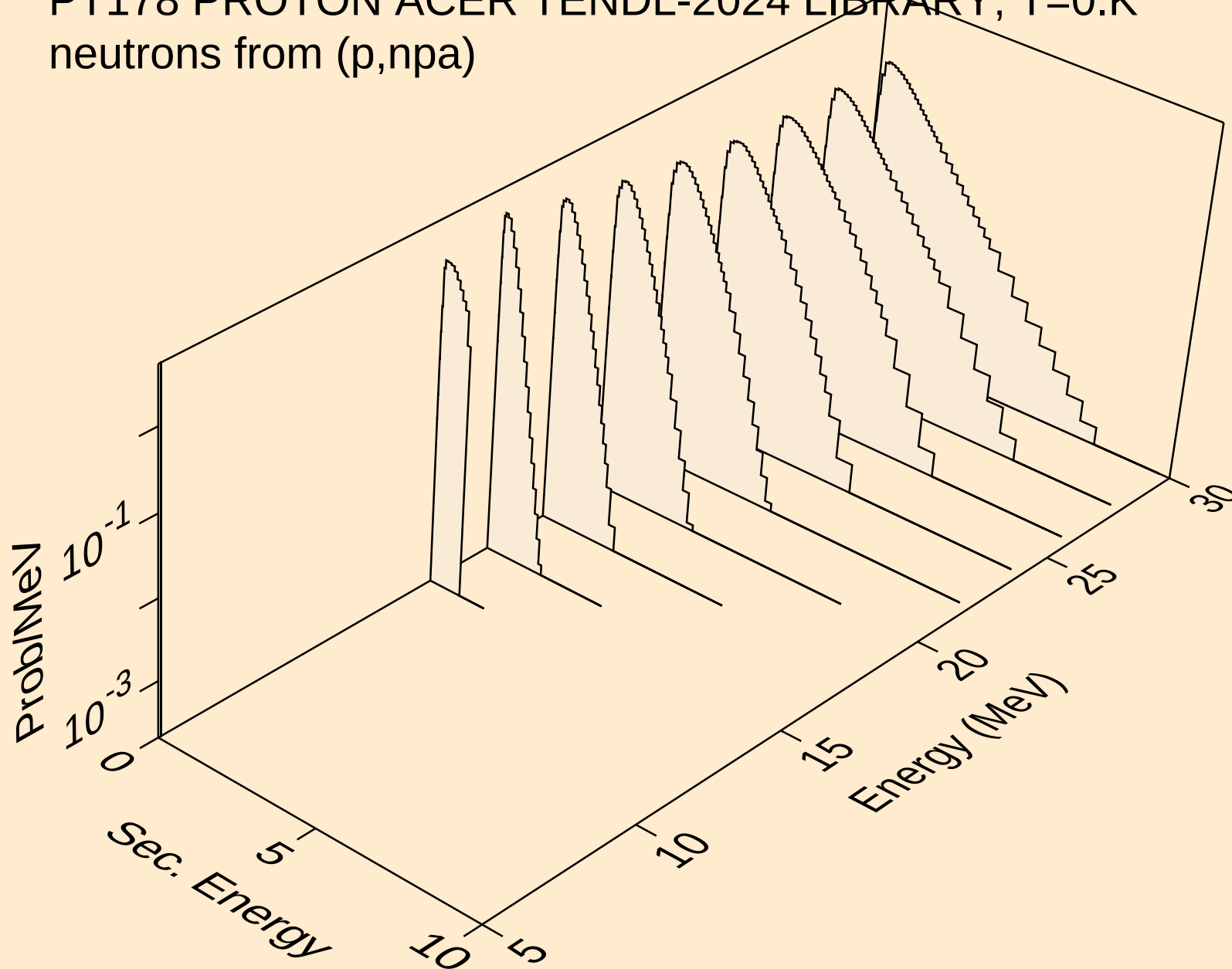
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,2np)



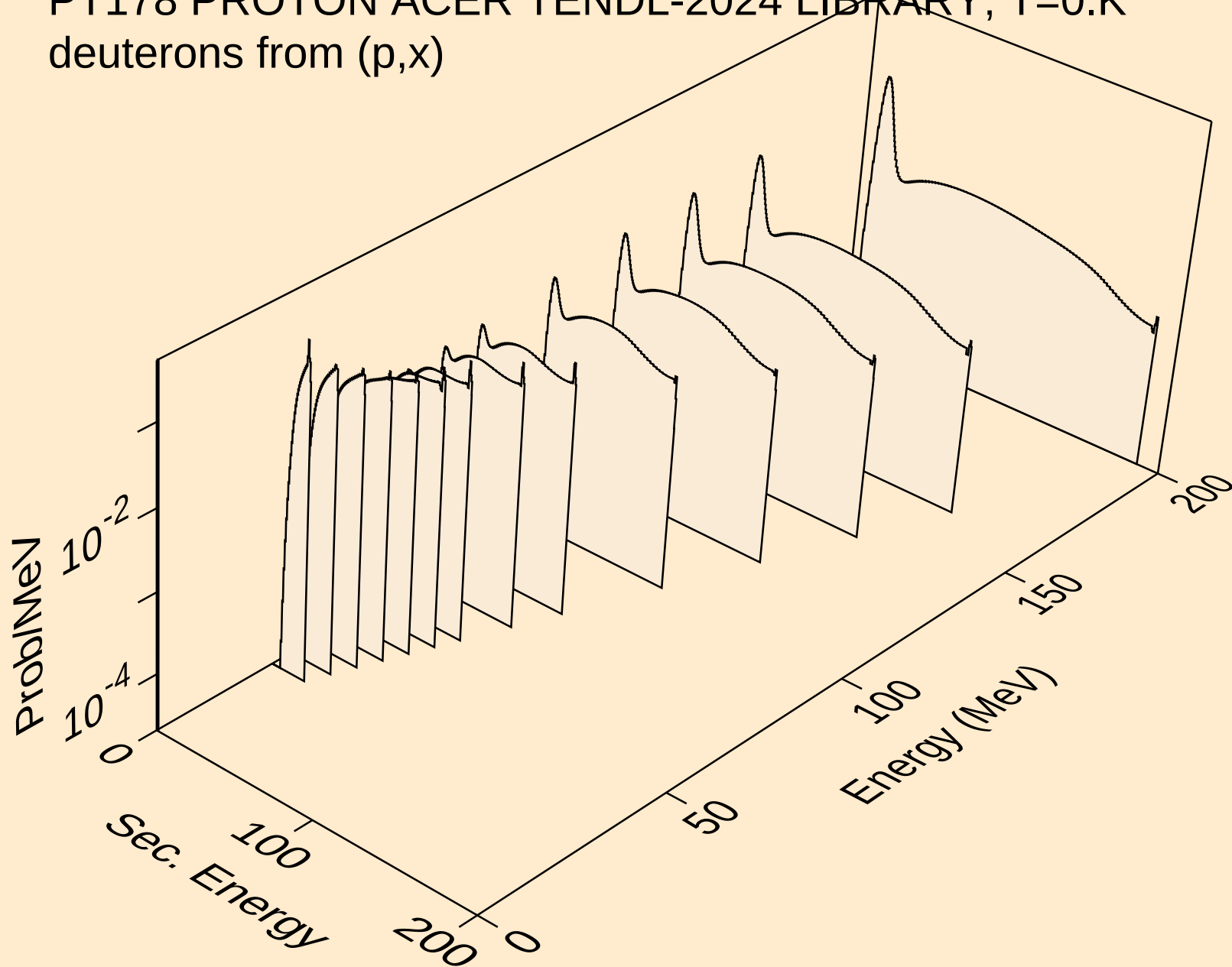
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,n2p)



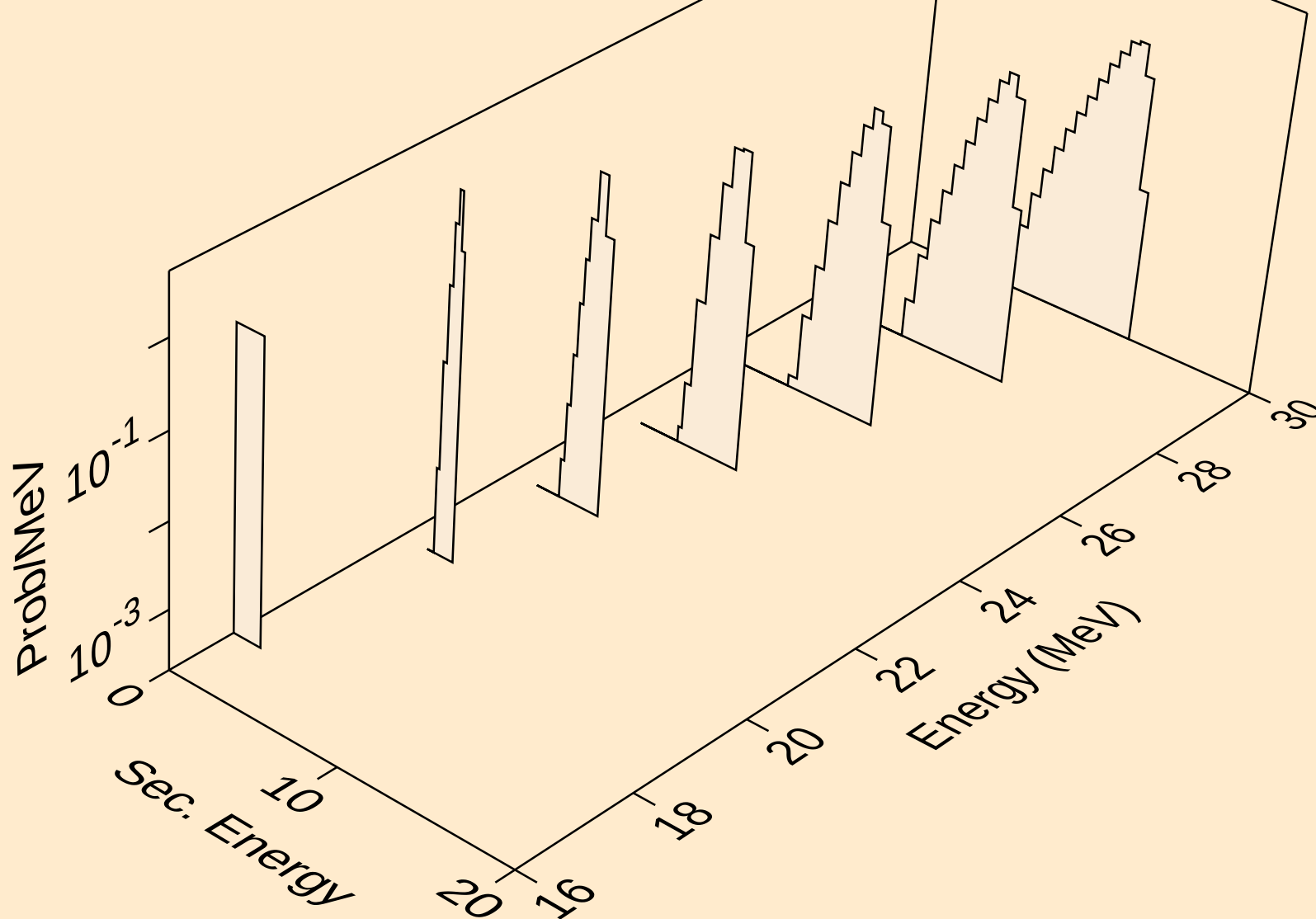
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (p,npa)



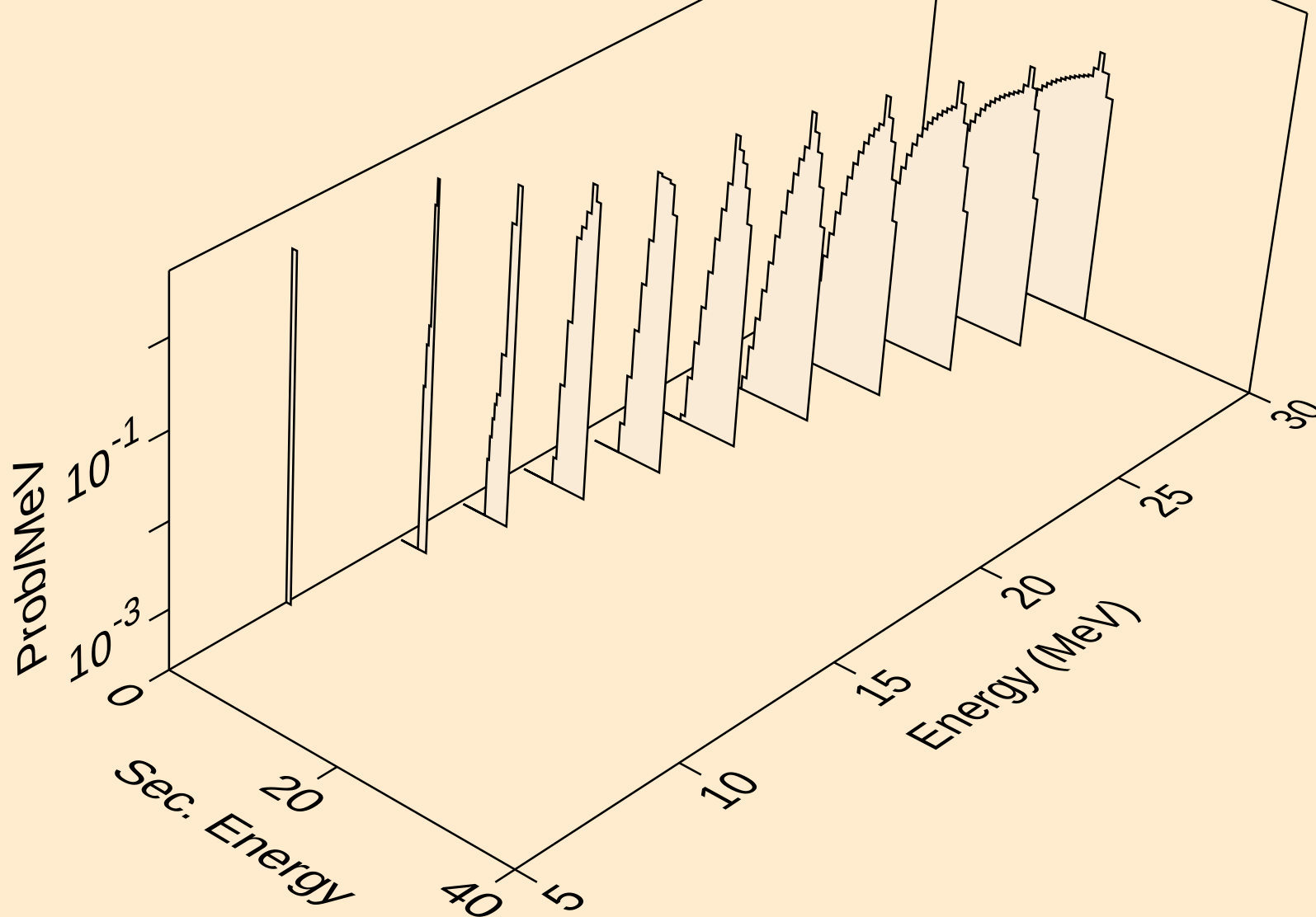
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,x)



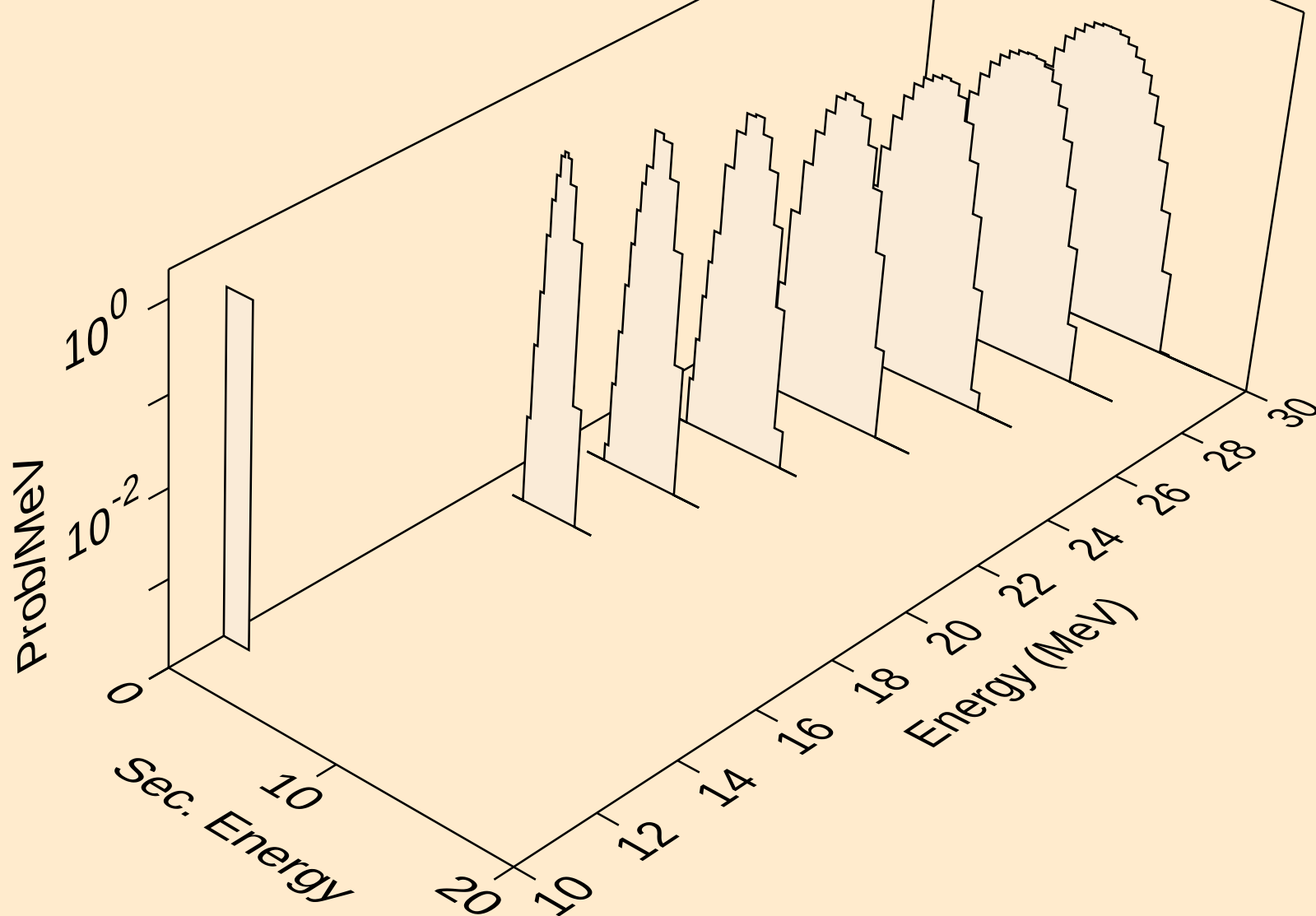
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deuterons from (p,n\*)d



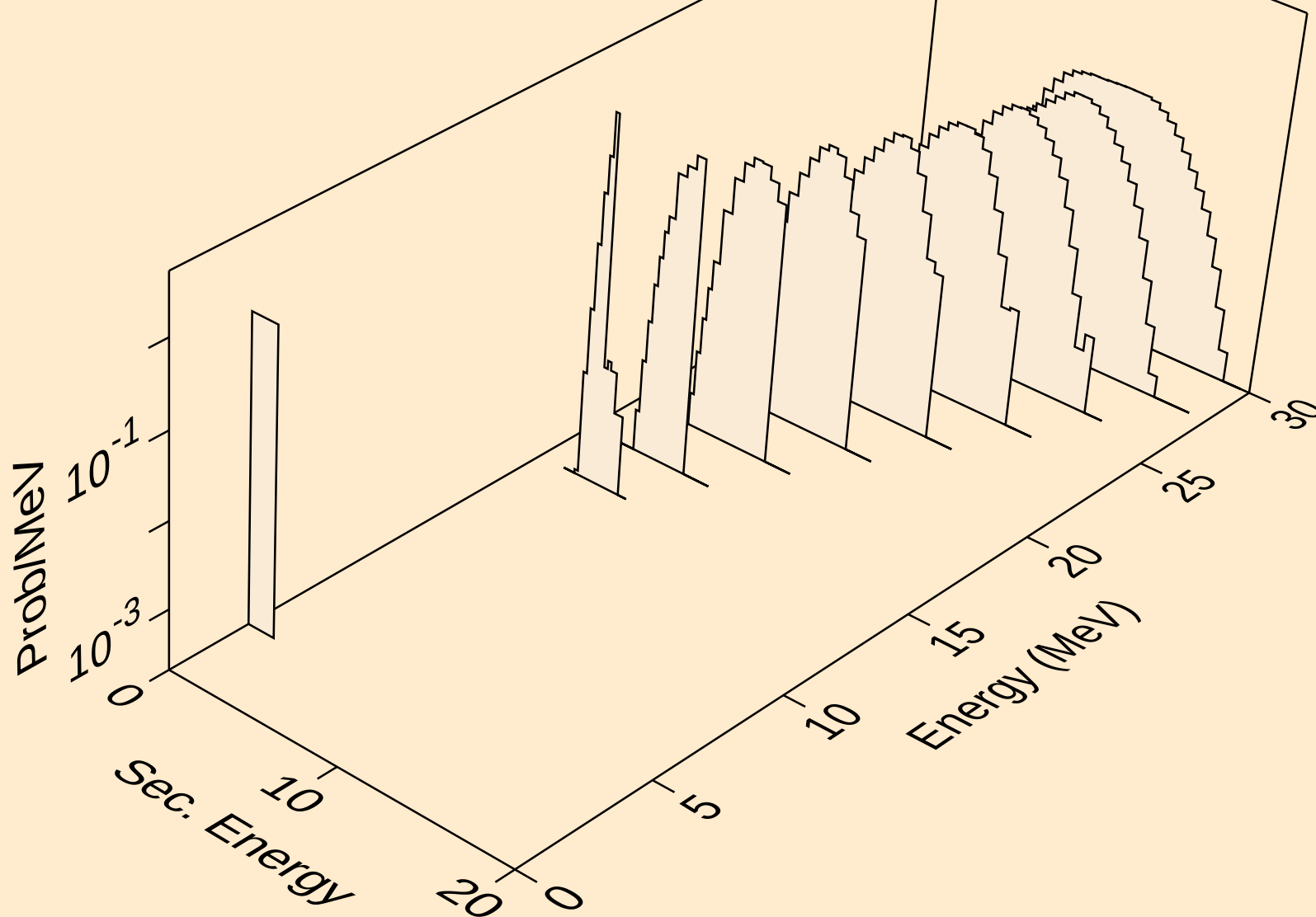
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,d)



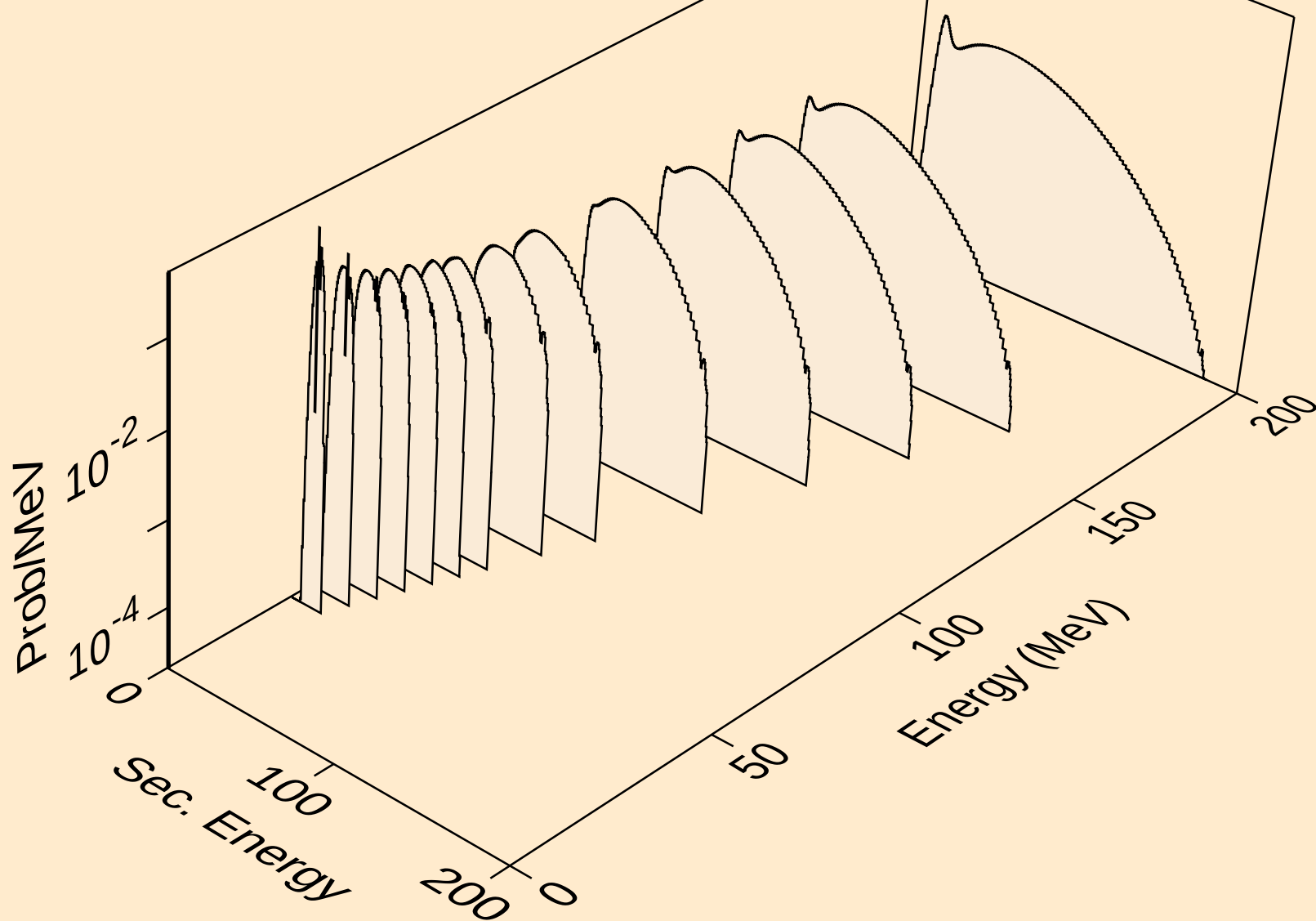
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,pd)



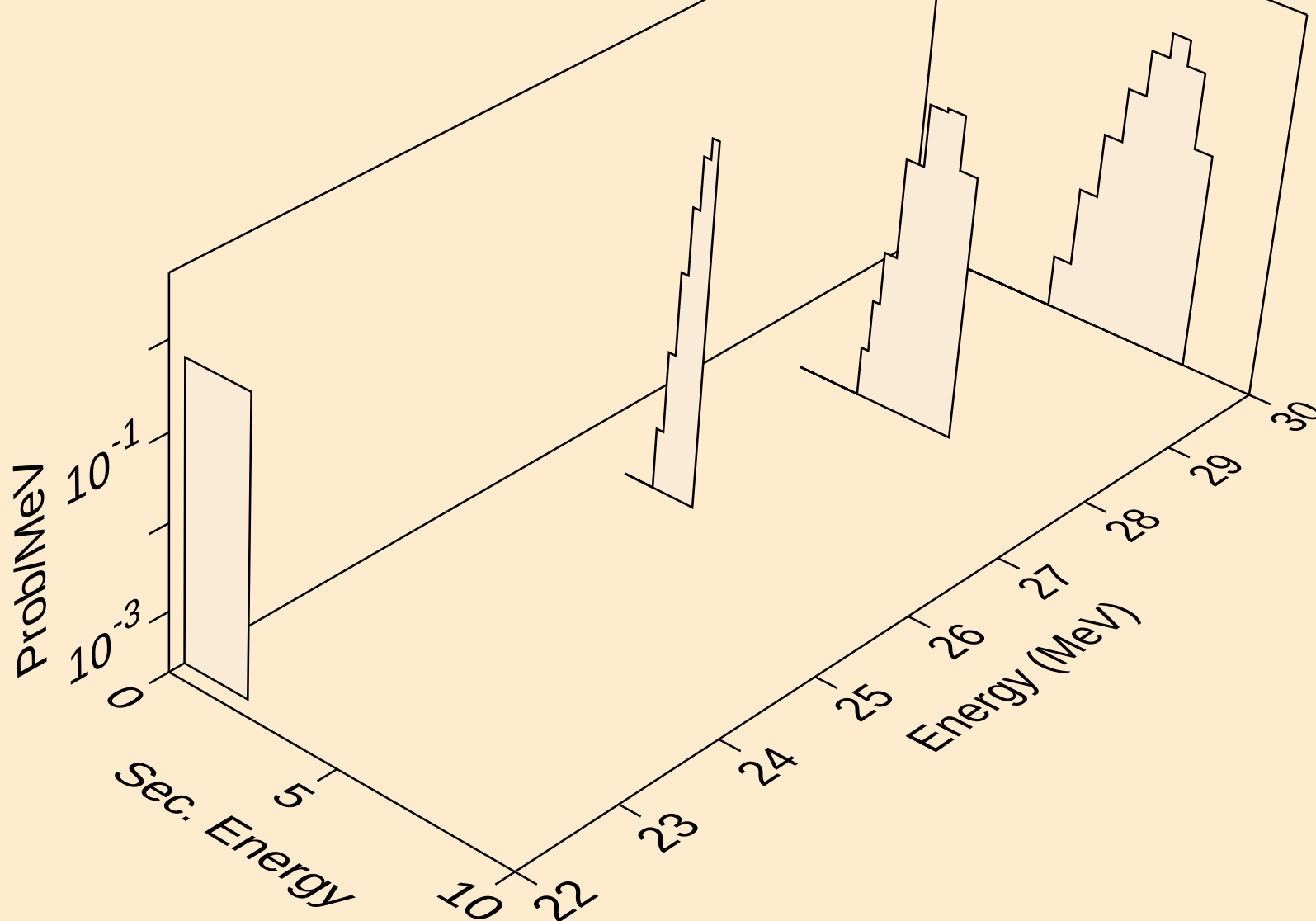
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (p,da)



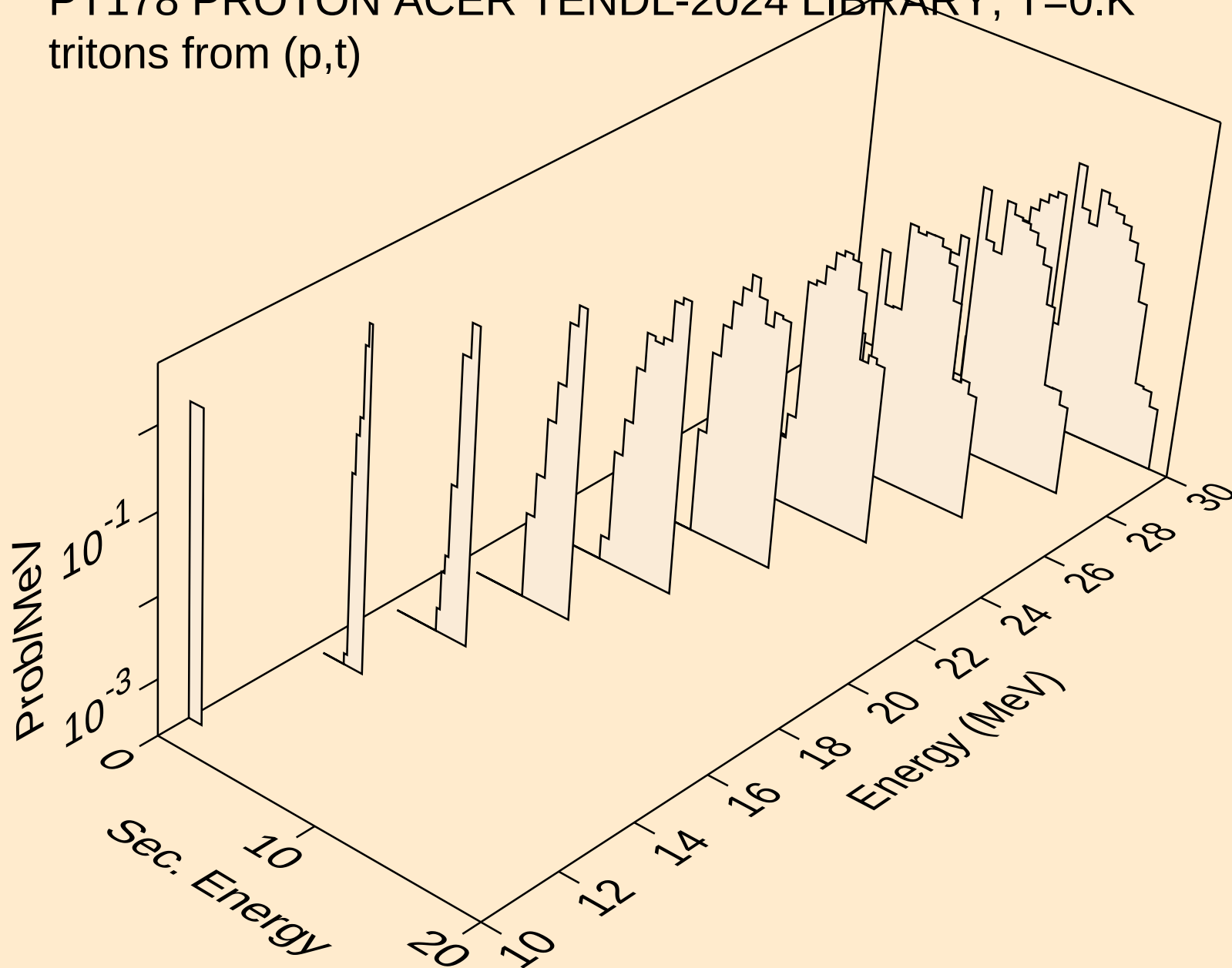
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (p,x)



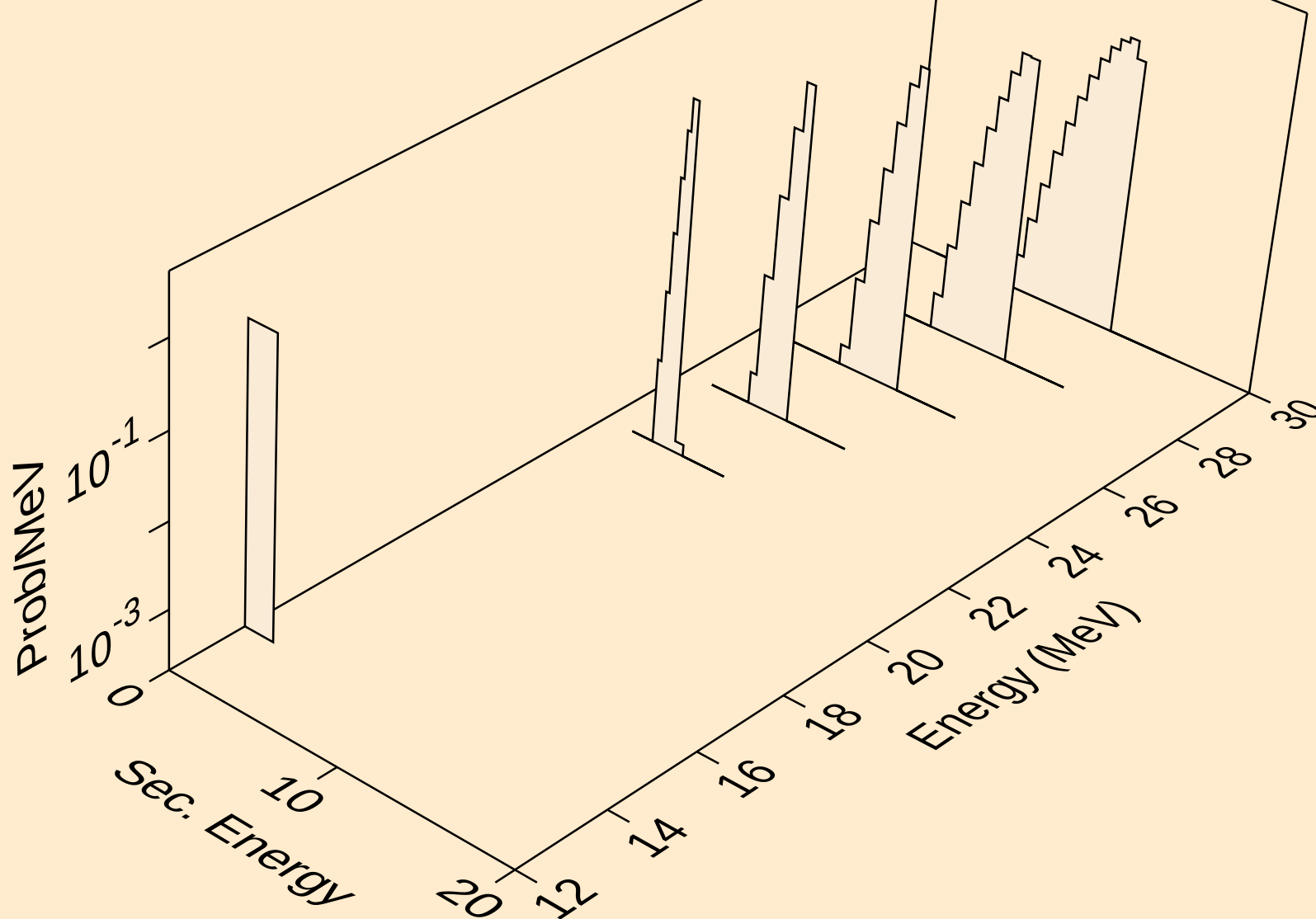
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (p,n\*)t



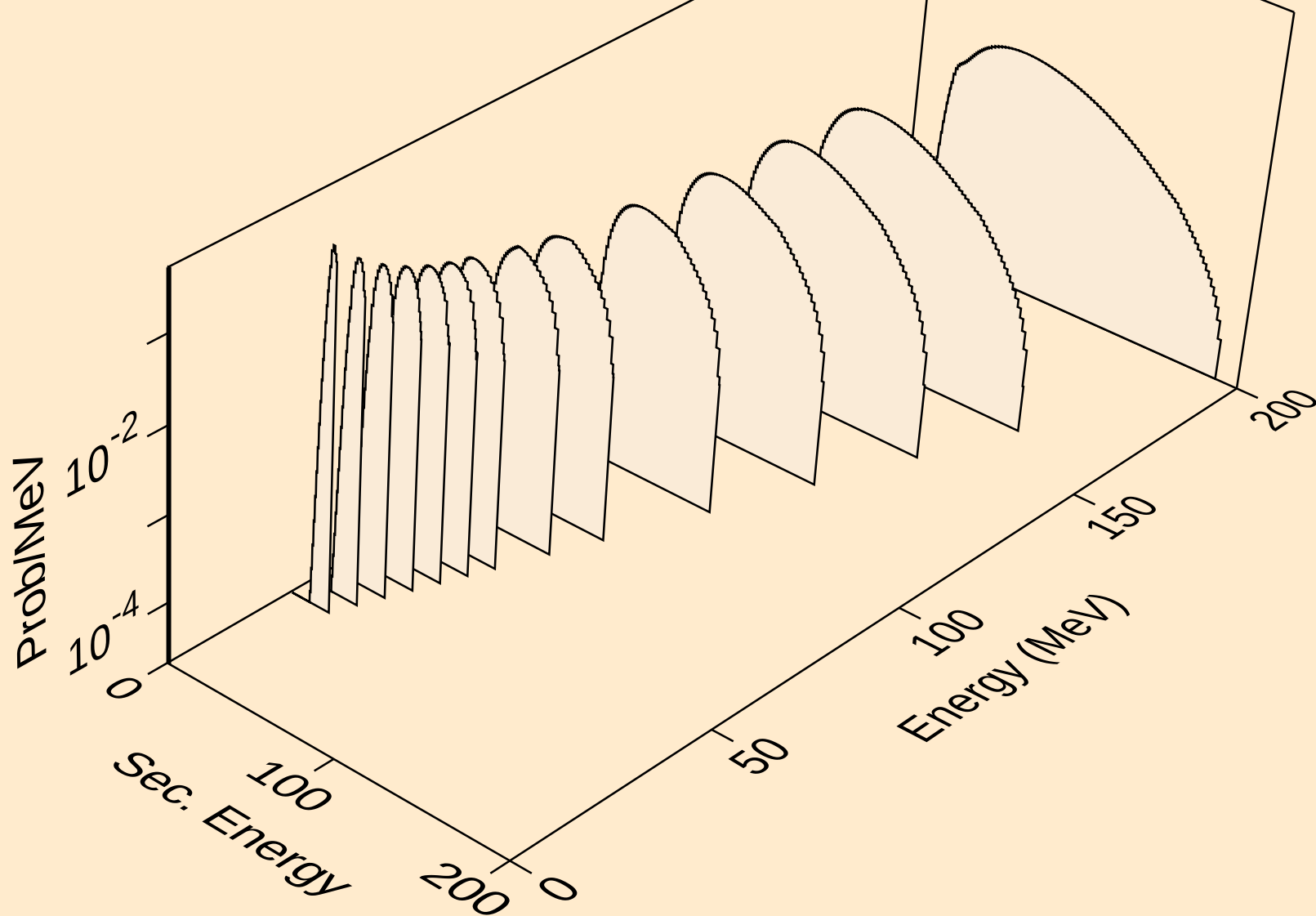
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (p,t)



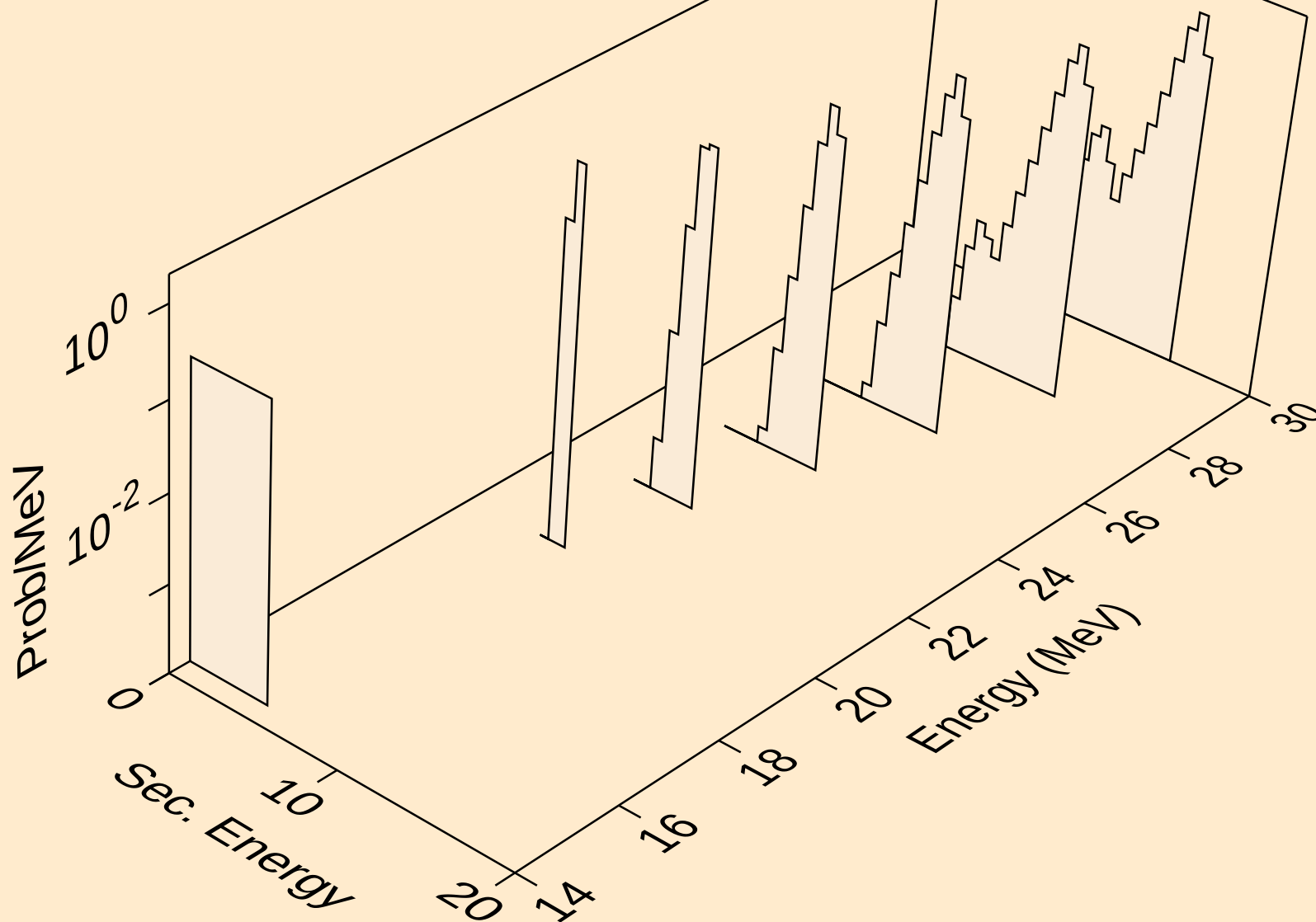
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (p,pt)



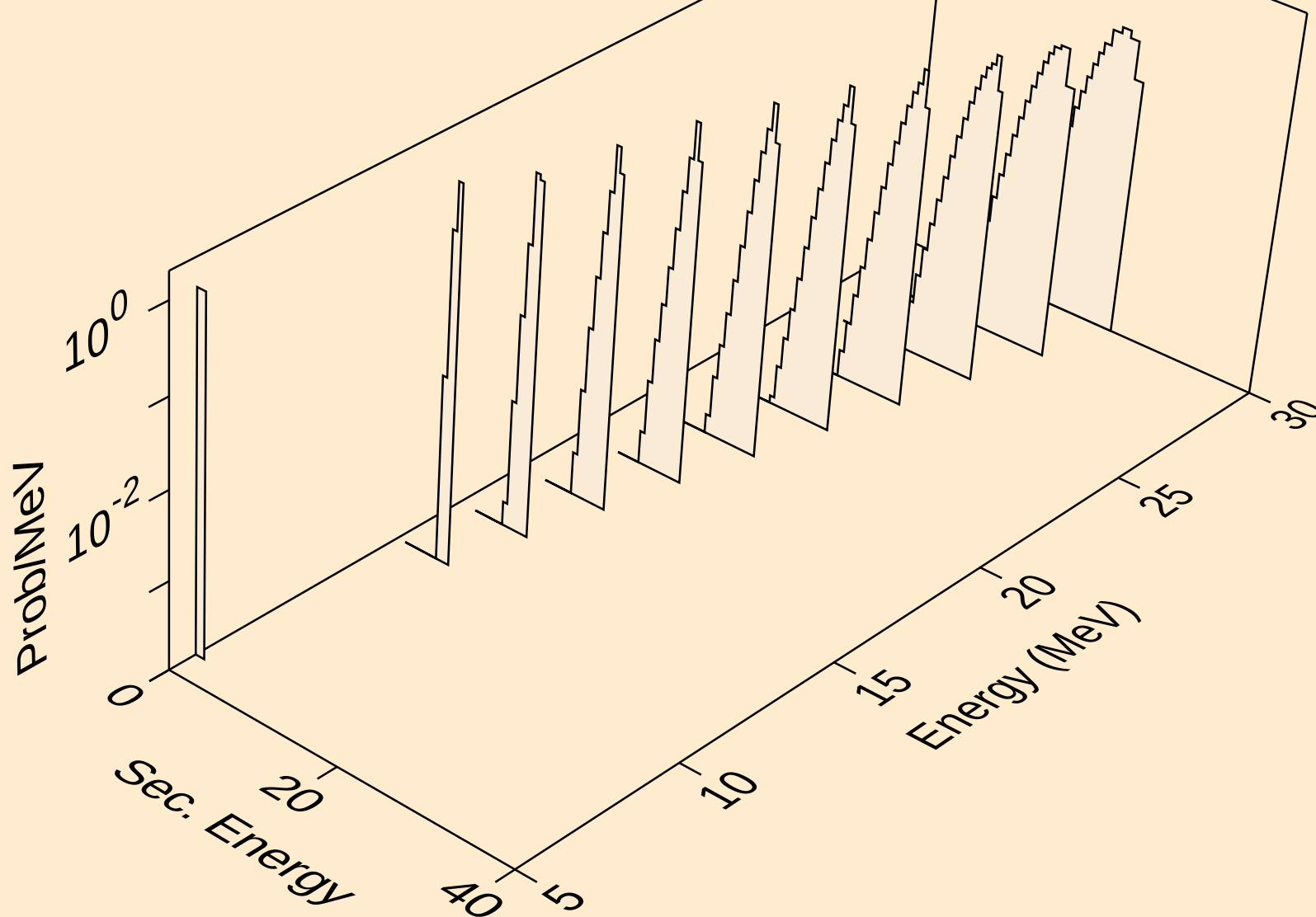
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (p,x)



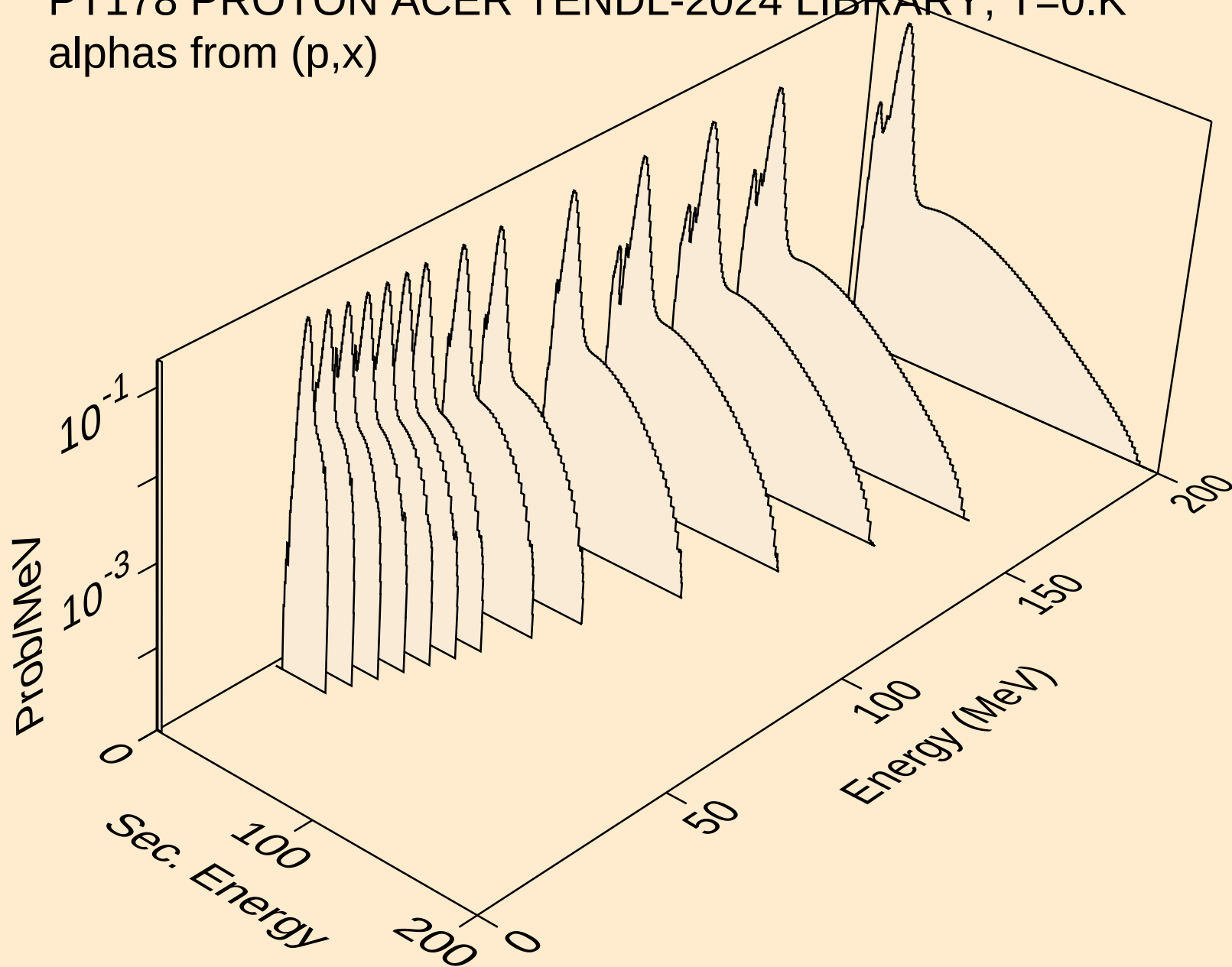
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (p,n\*)he3



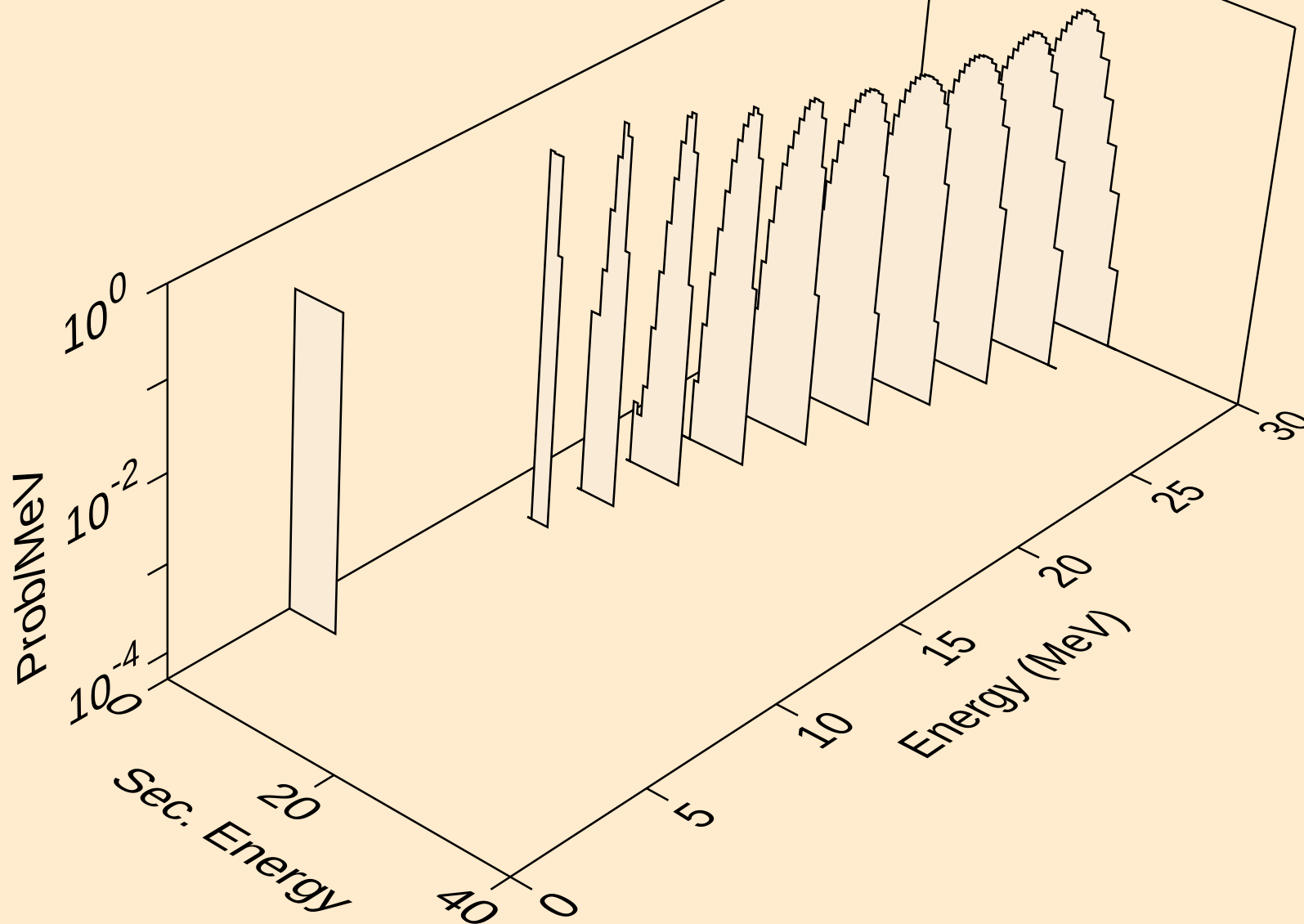
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (p,he3)



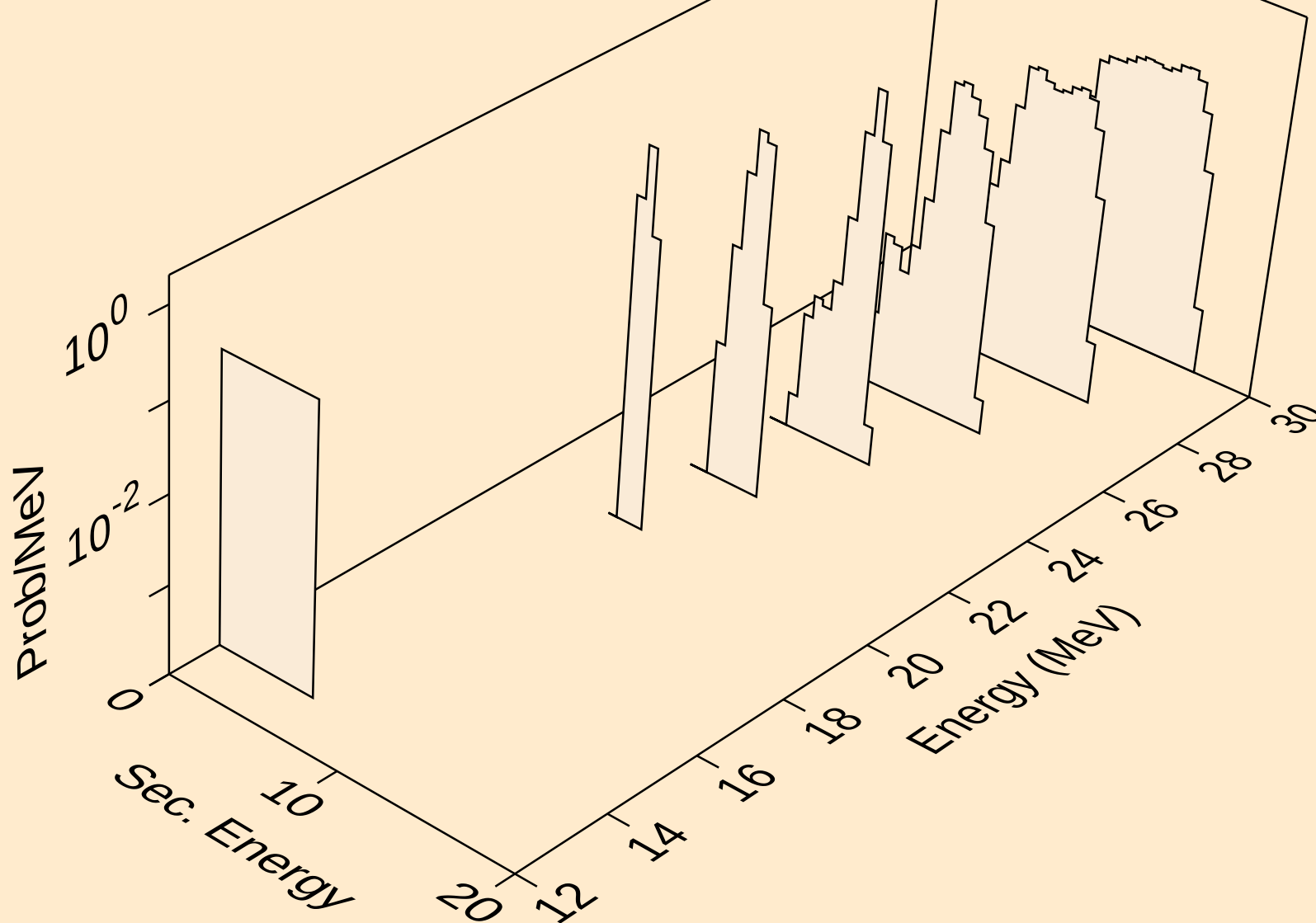
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,x)



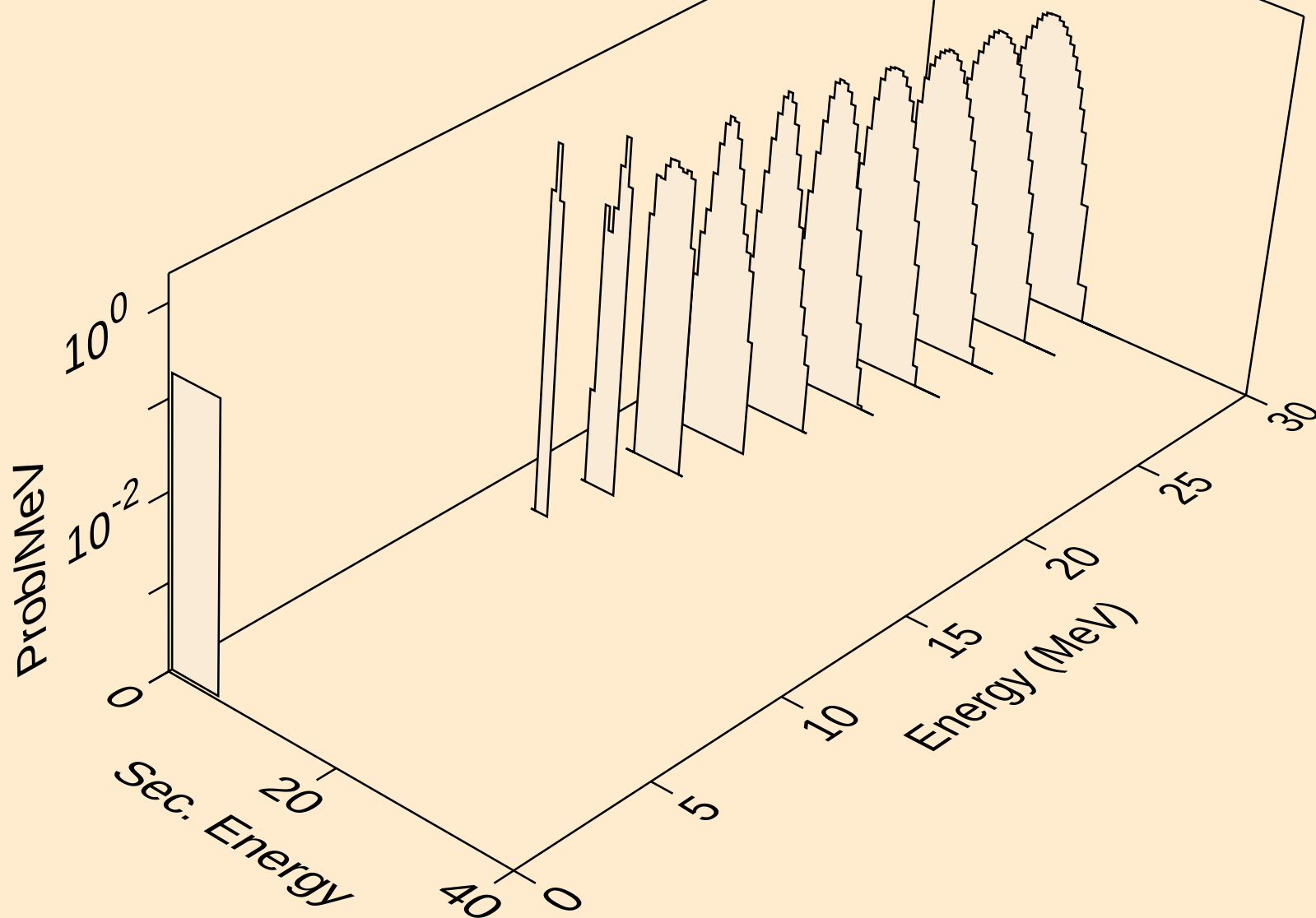
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,n\*)a



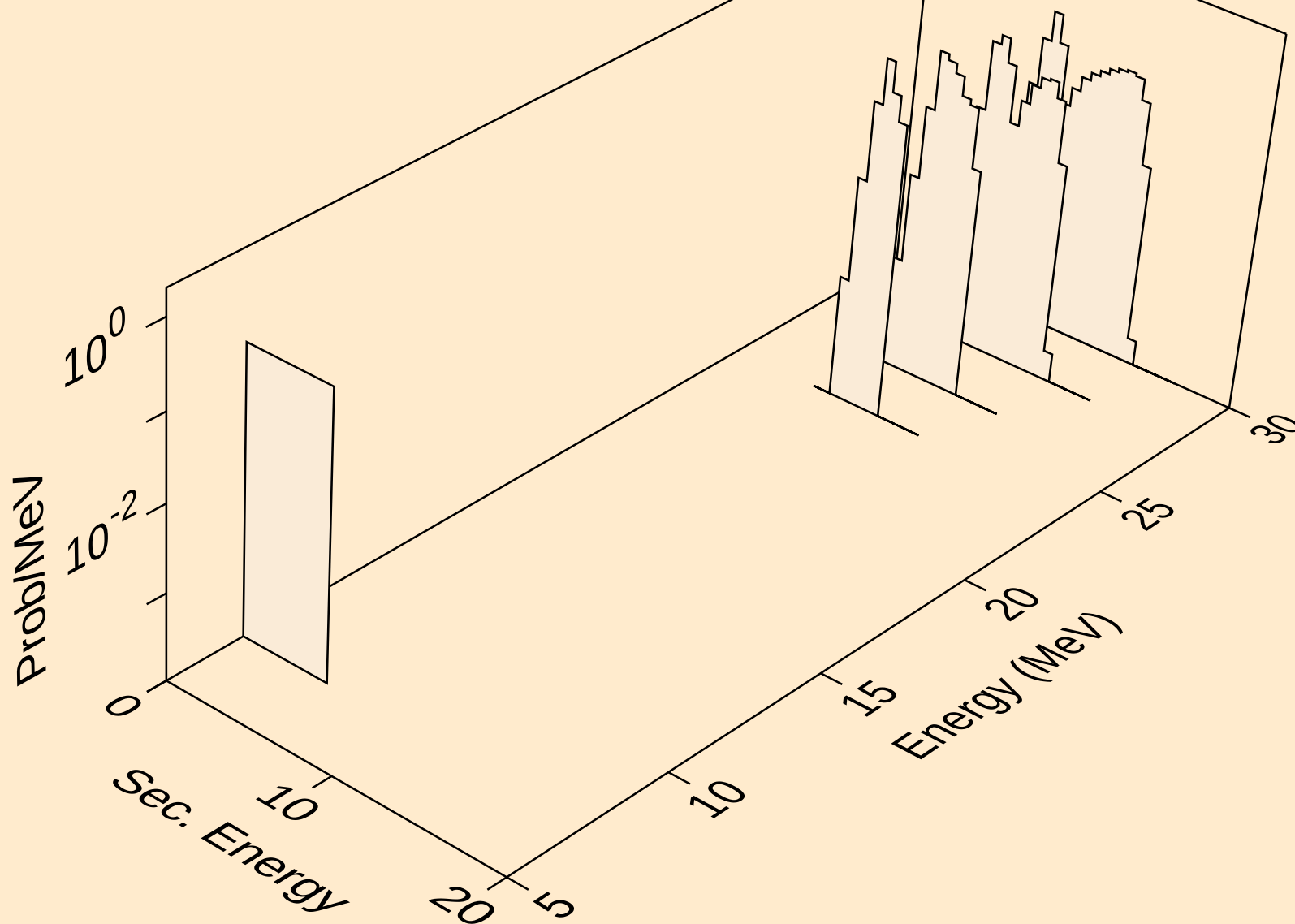
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,2n)a



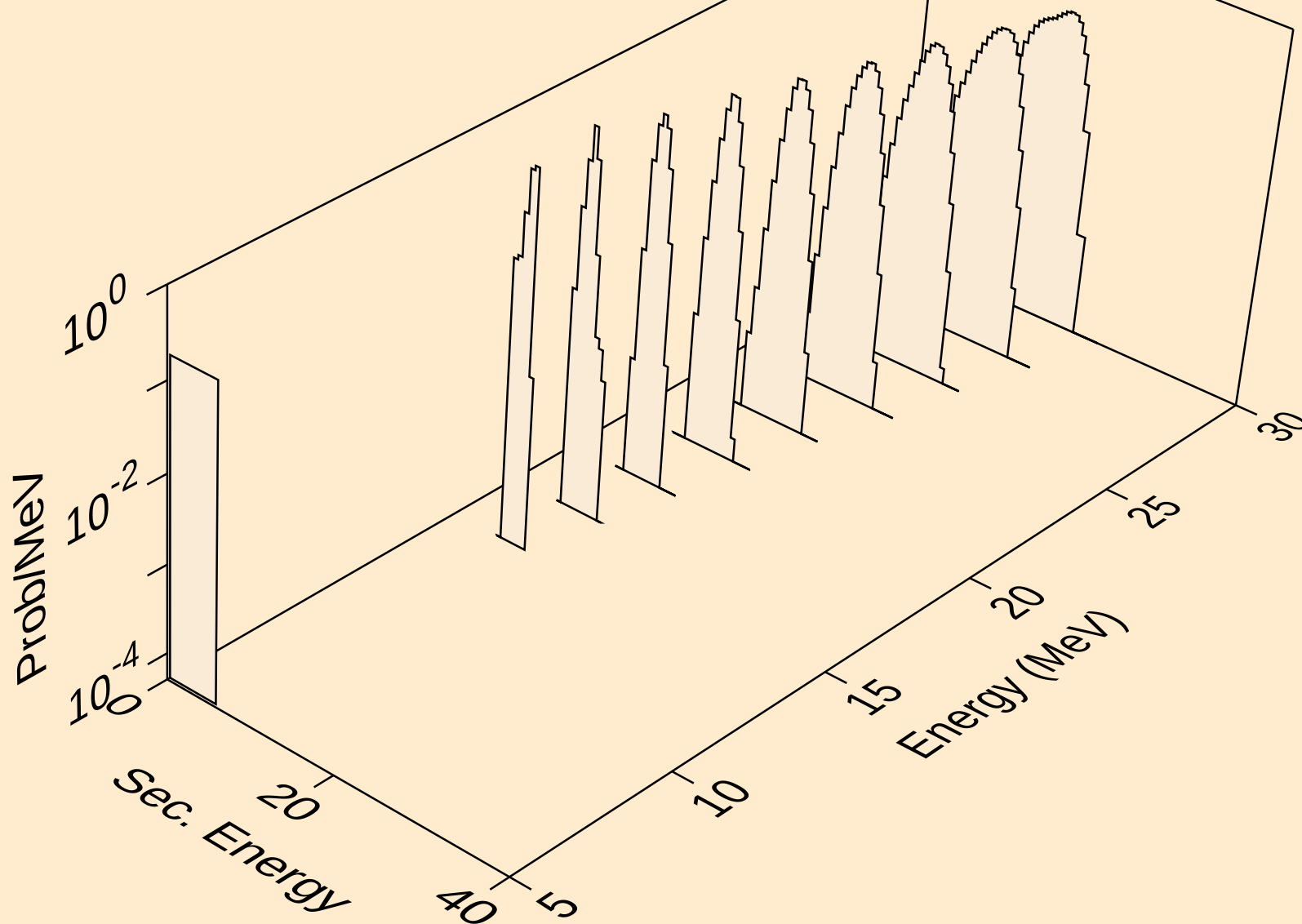
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,n\*)2a



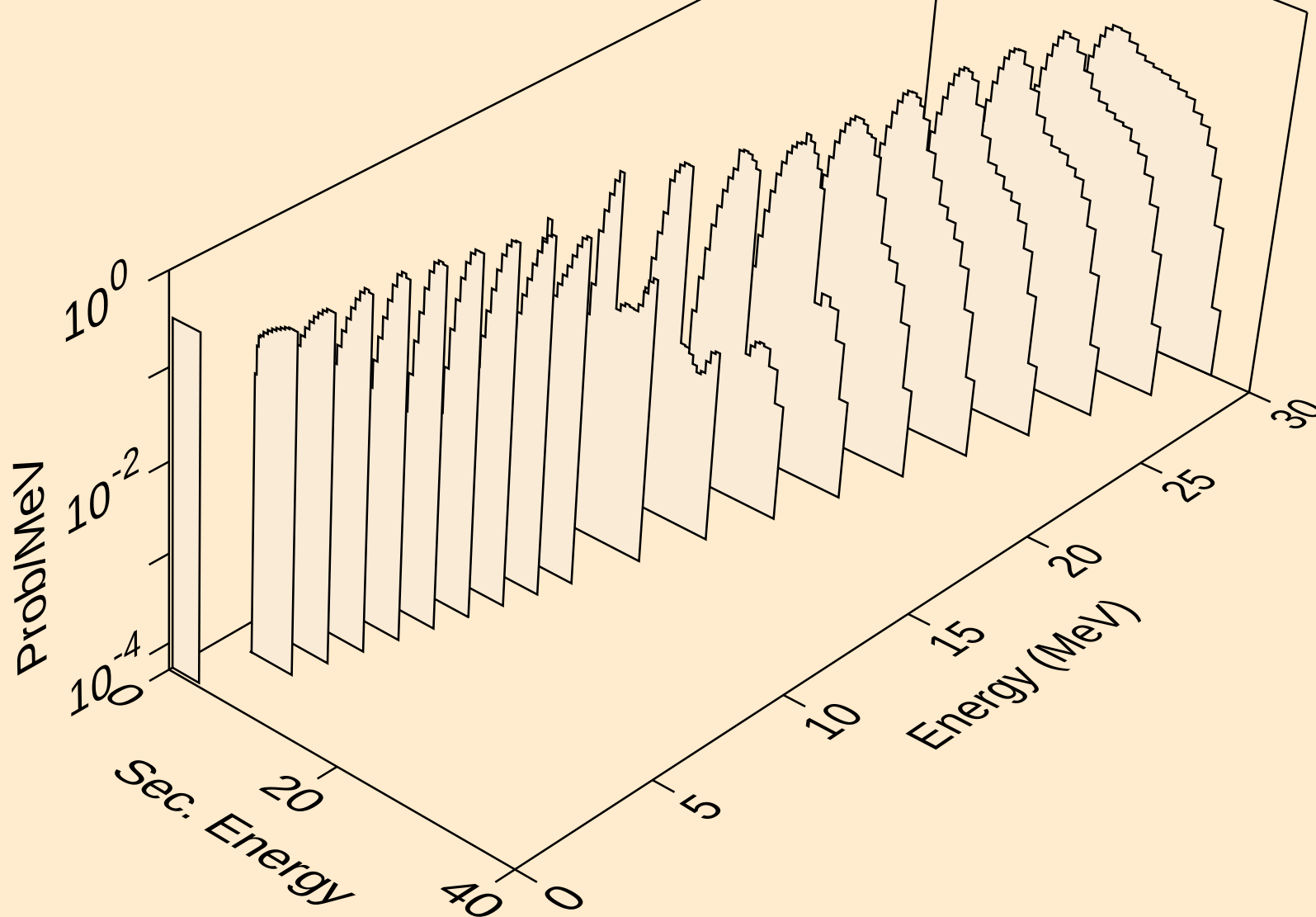
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,2n)2a



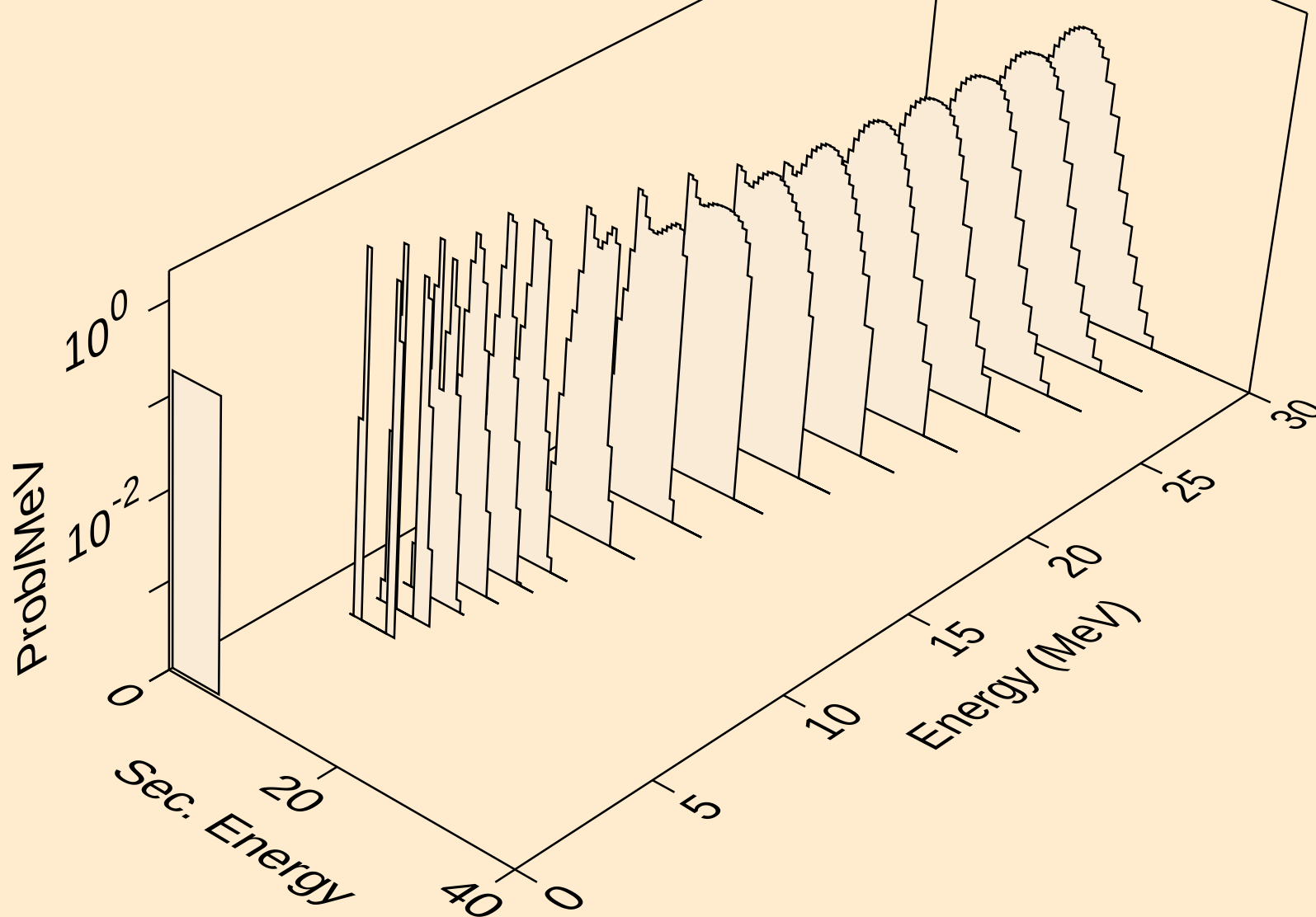
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,npa)



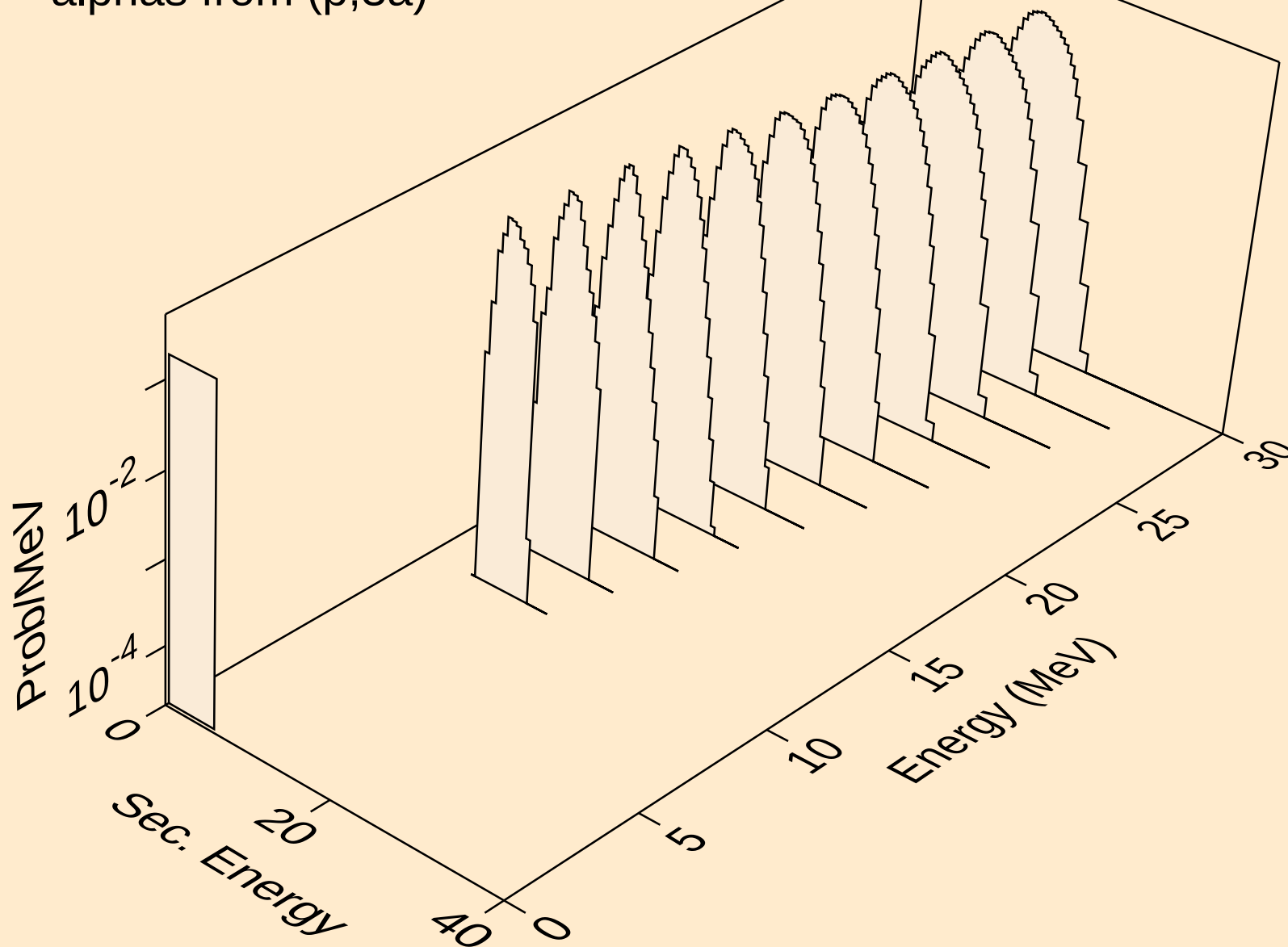
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,a)



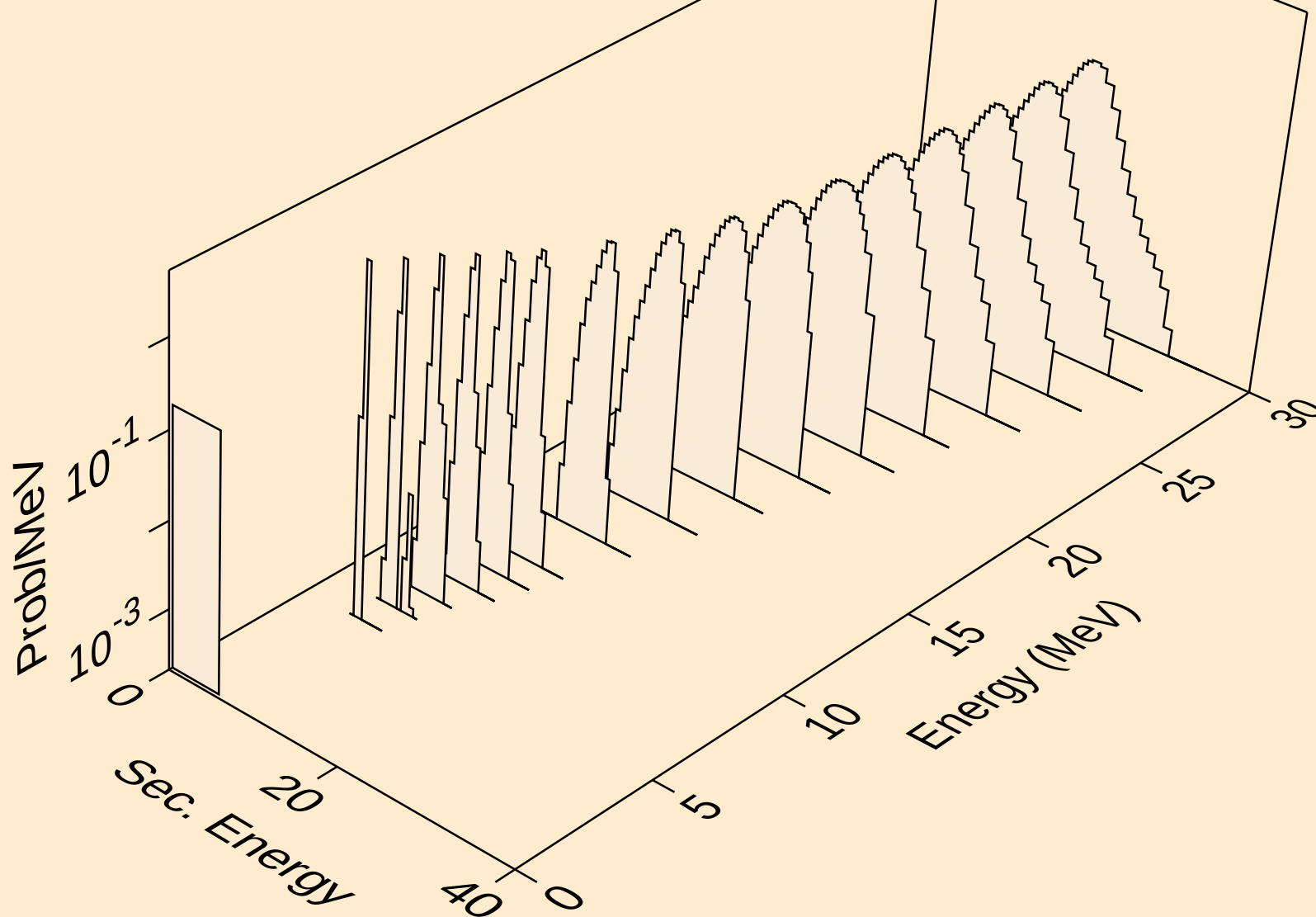
PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,2a)



PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,3a)



PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,pa)



PT178 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,da)

