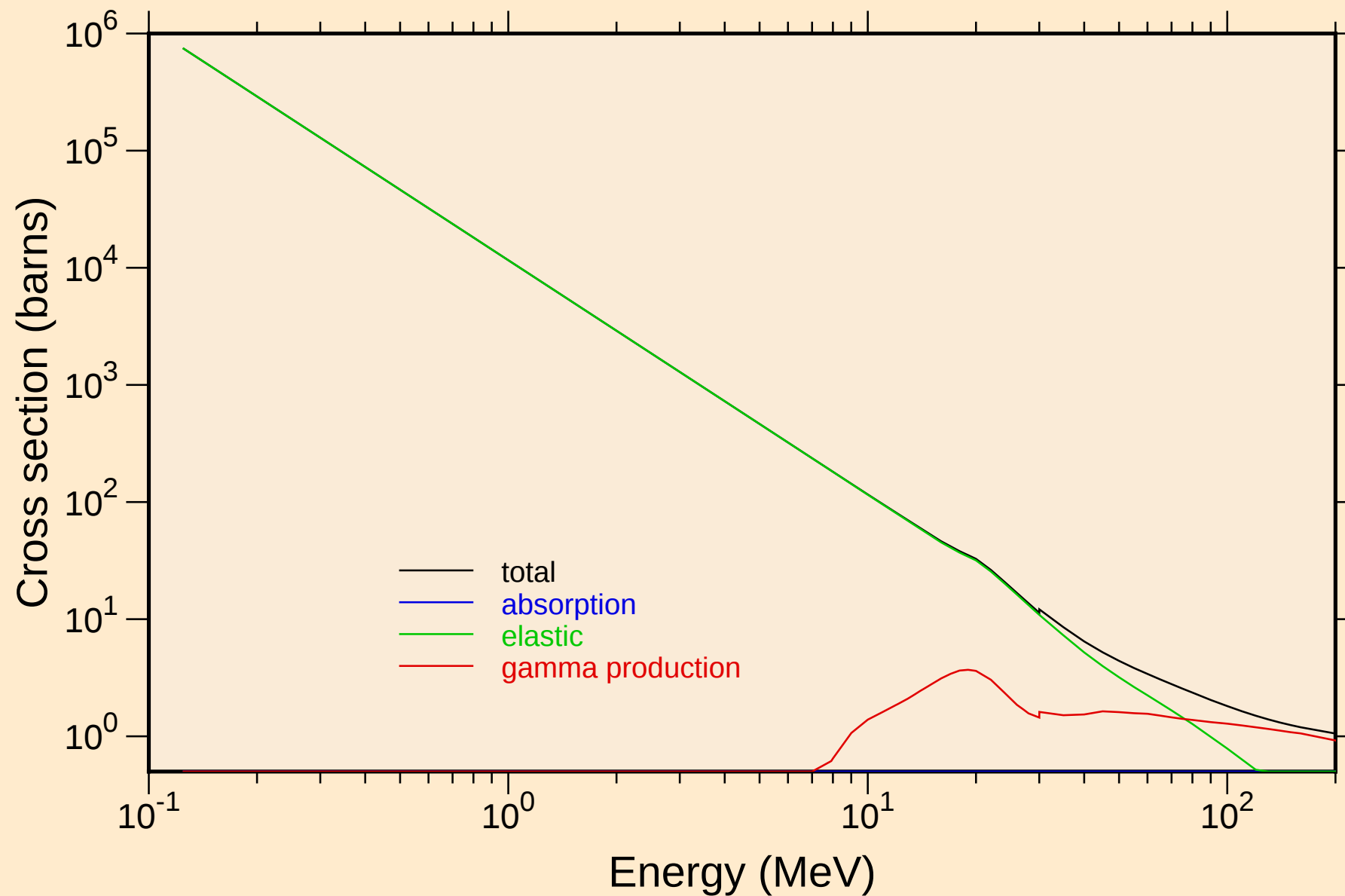


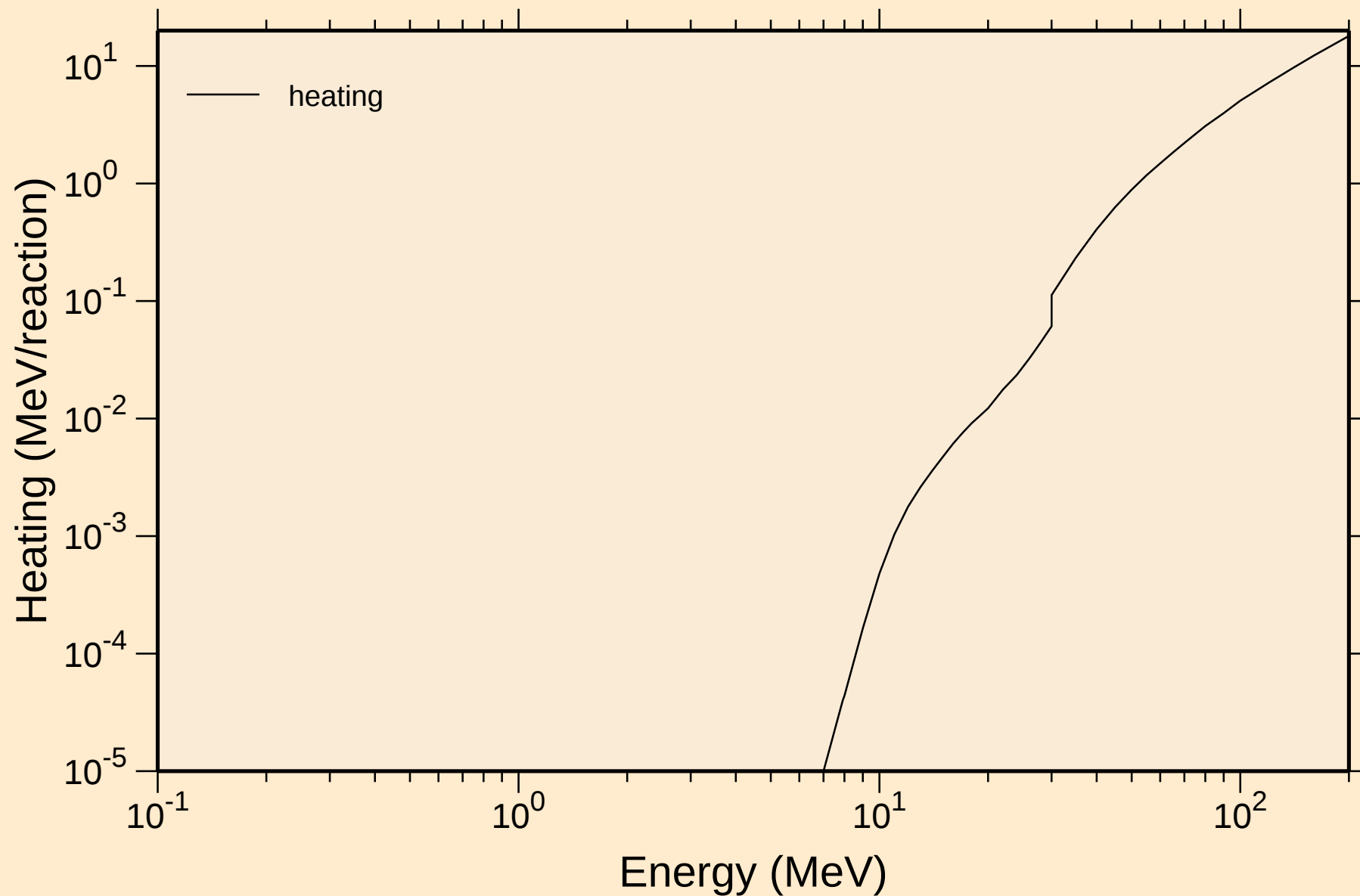
# TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



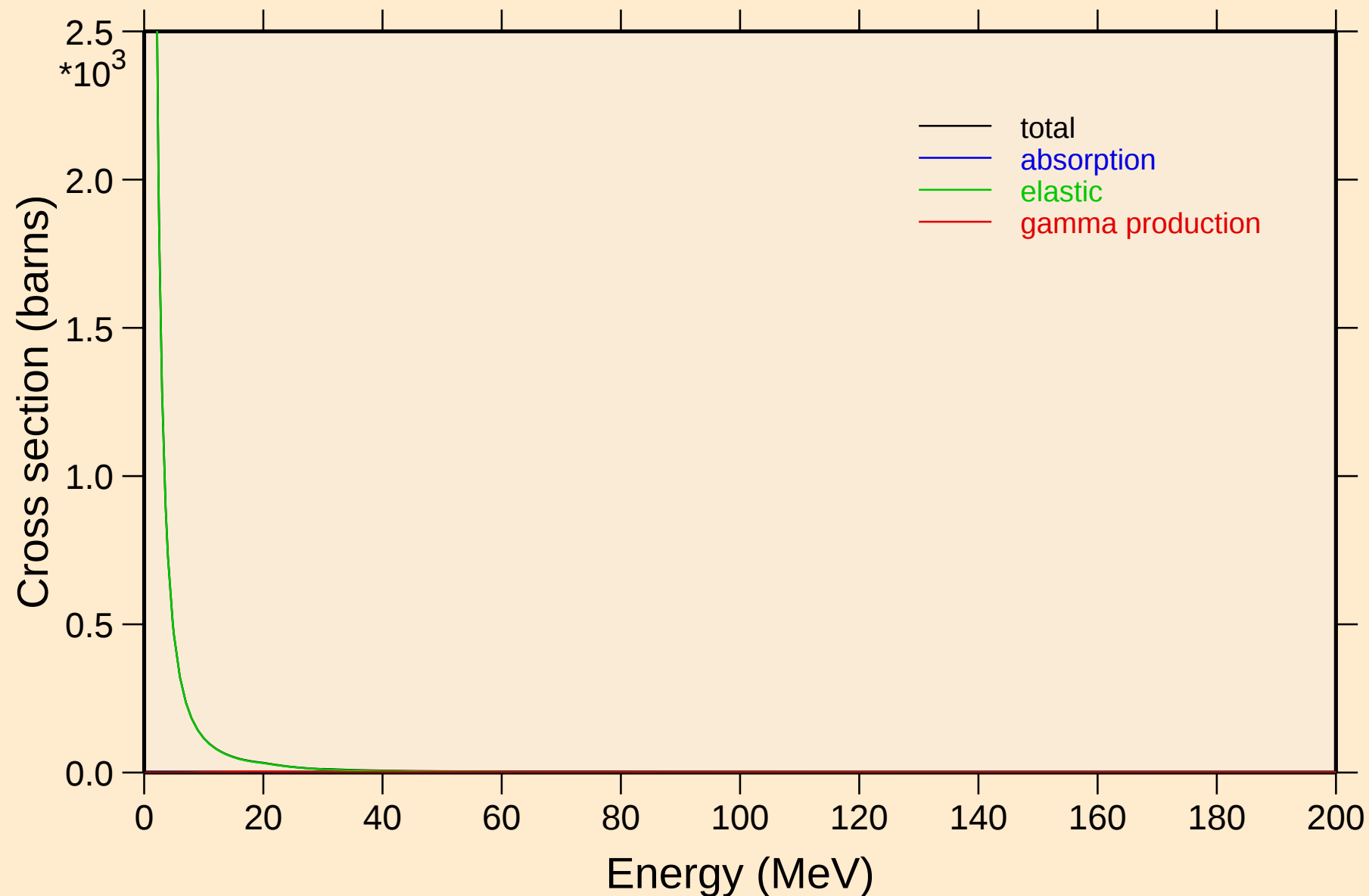
# TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating



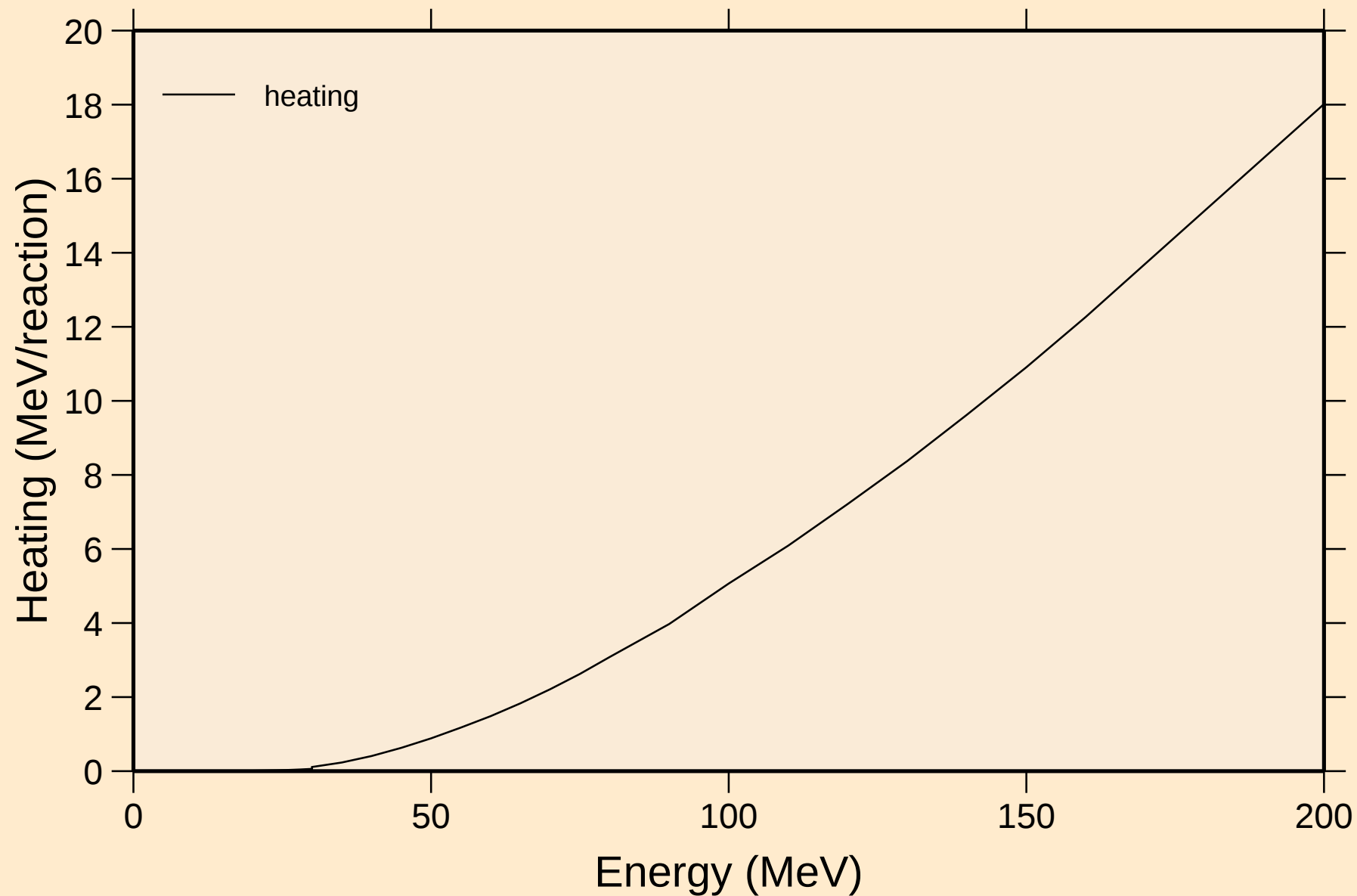
# TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



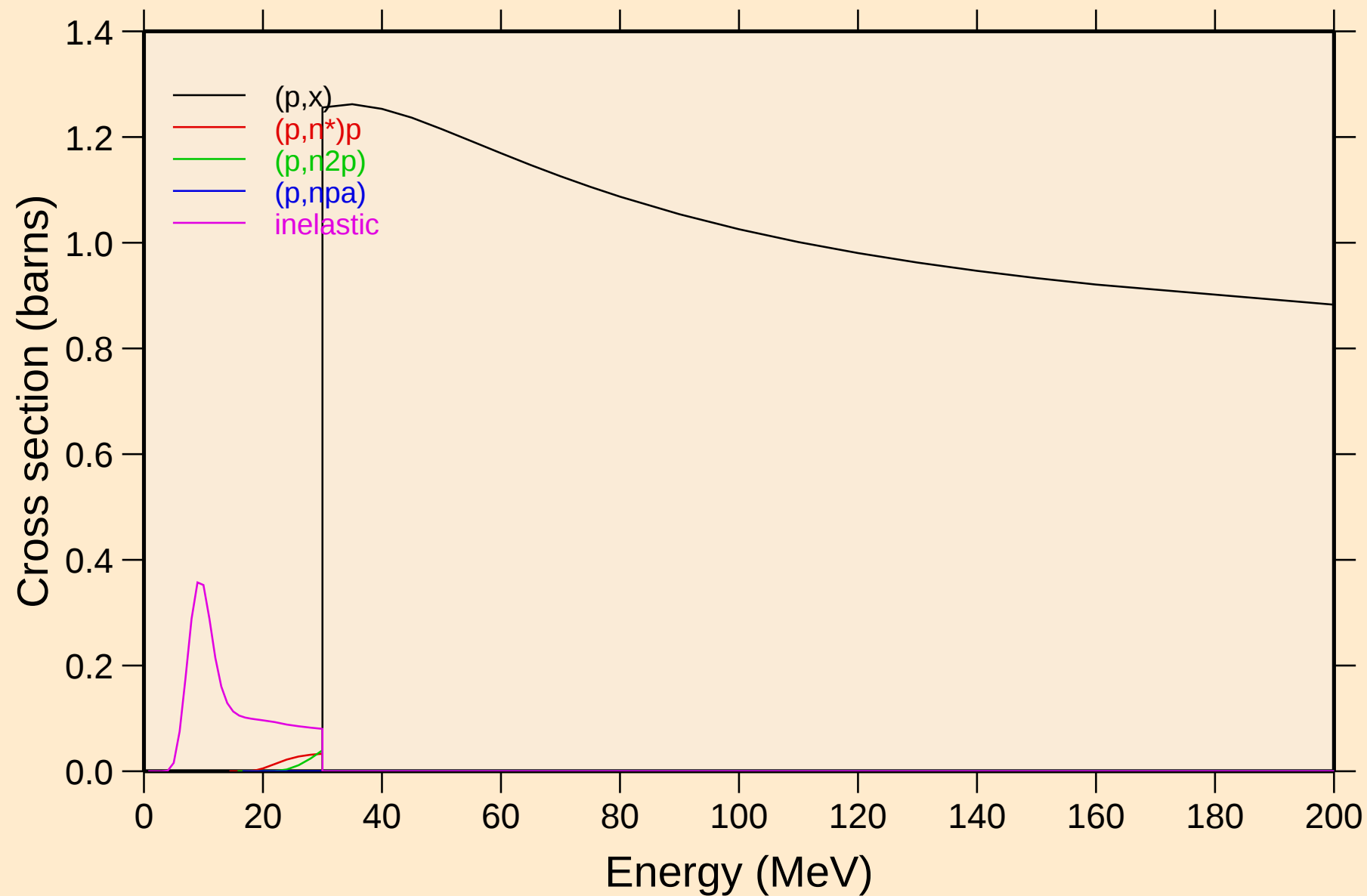
# TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating



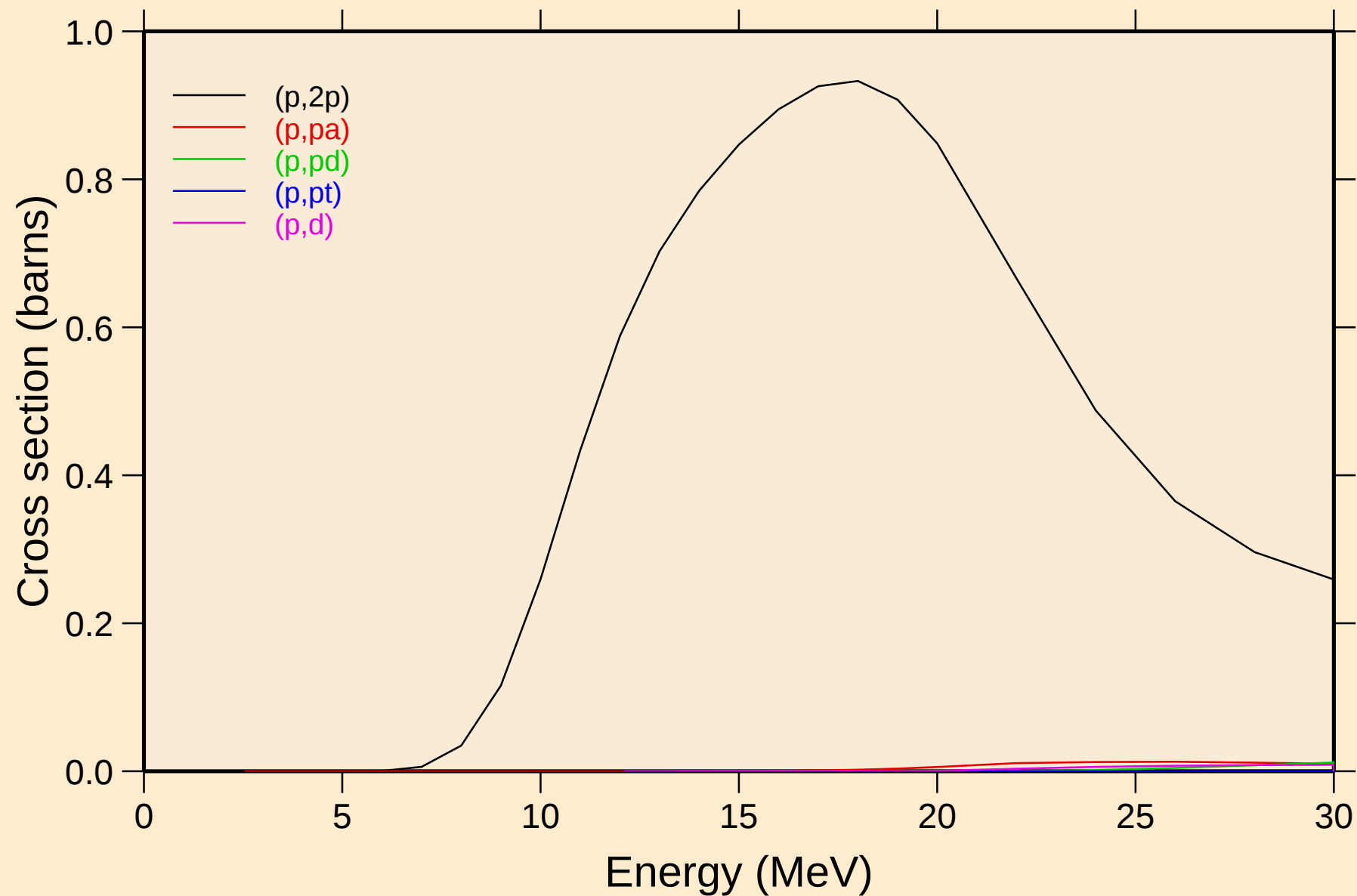
# TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



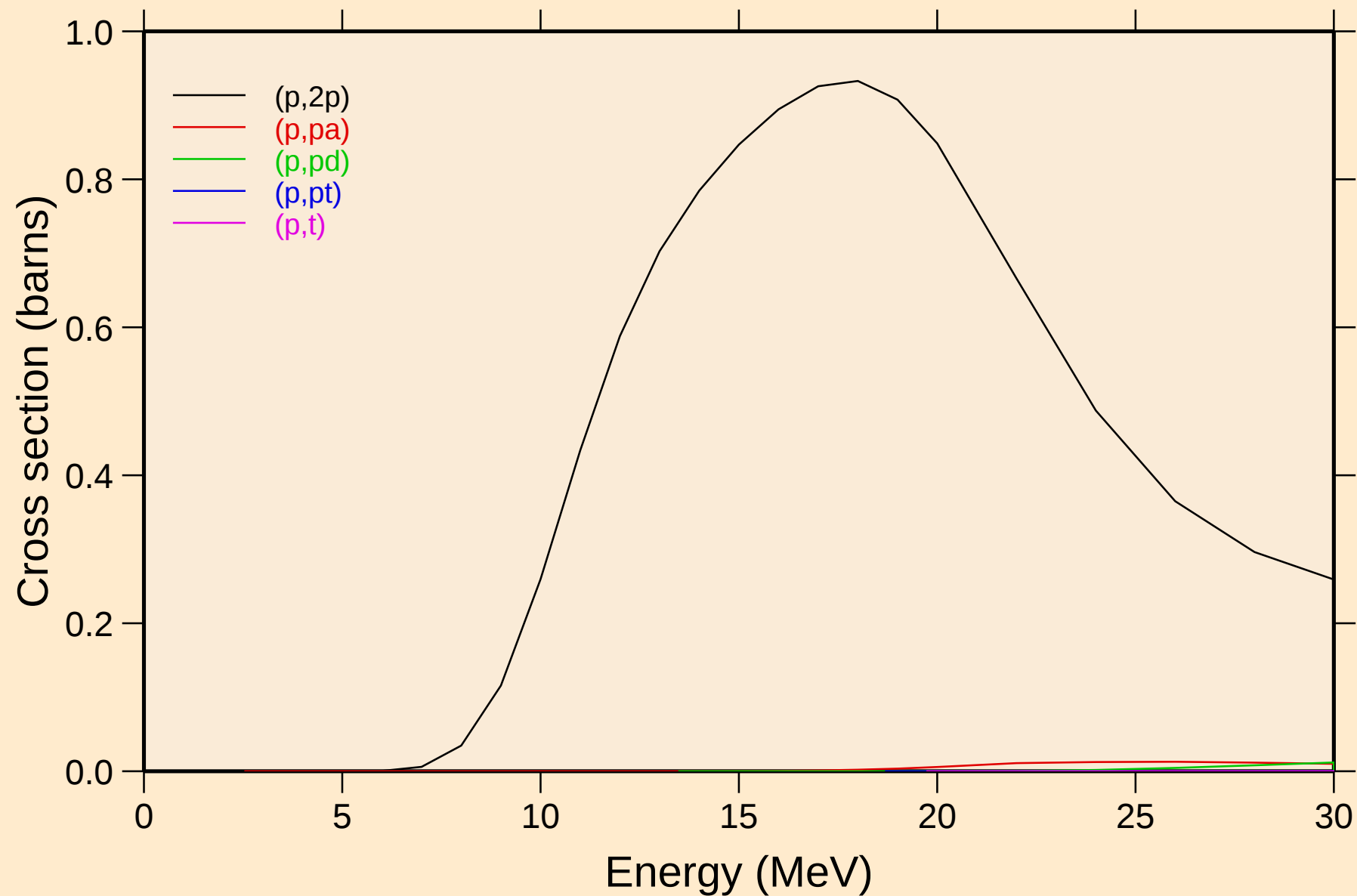
# TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



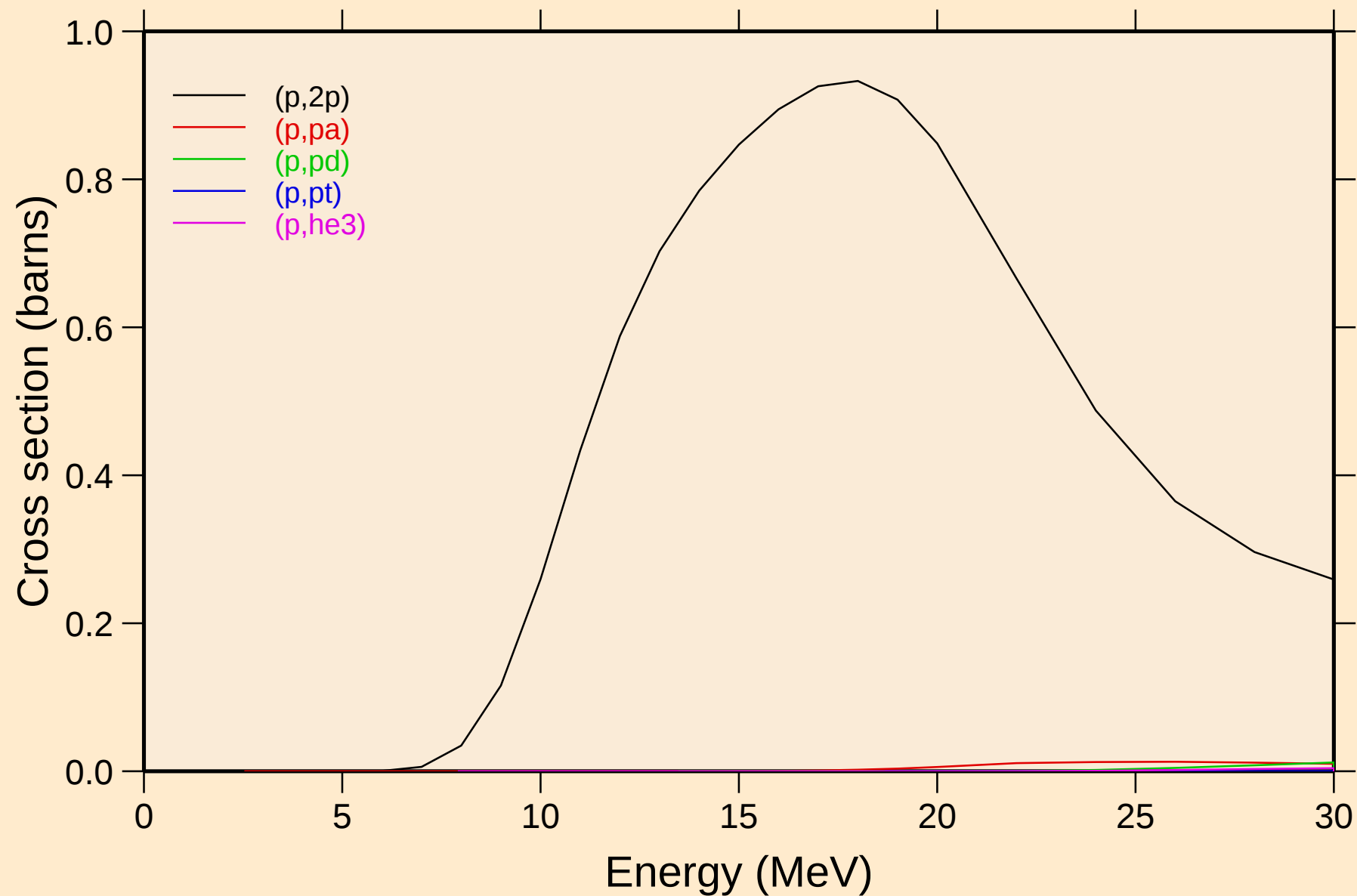
# TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



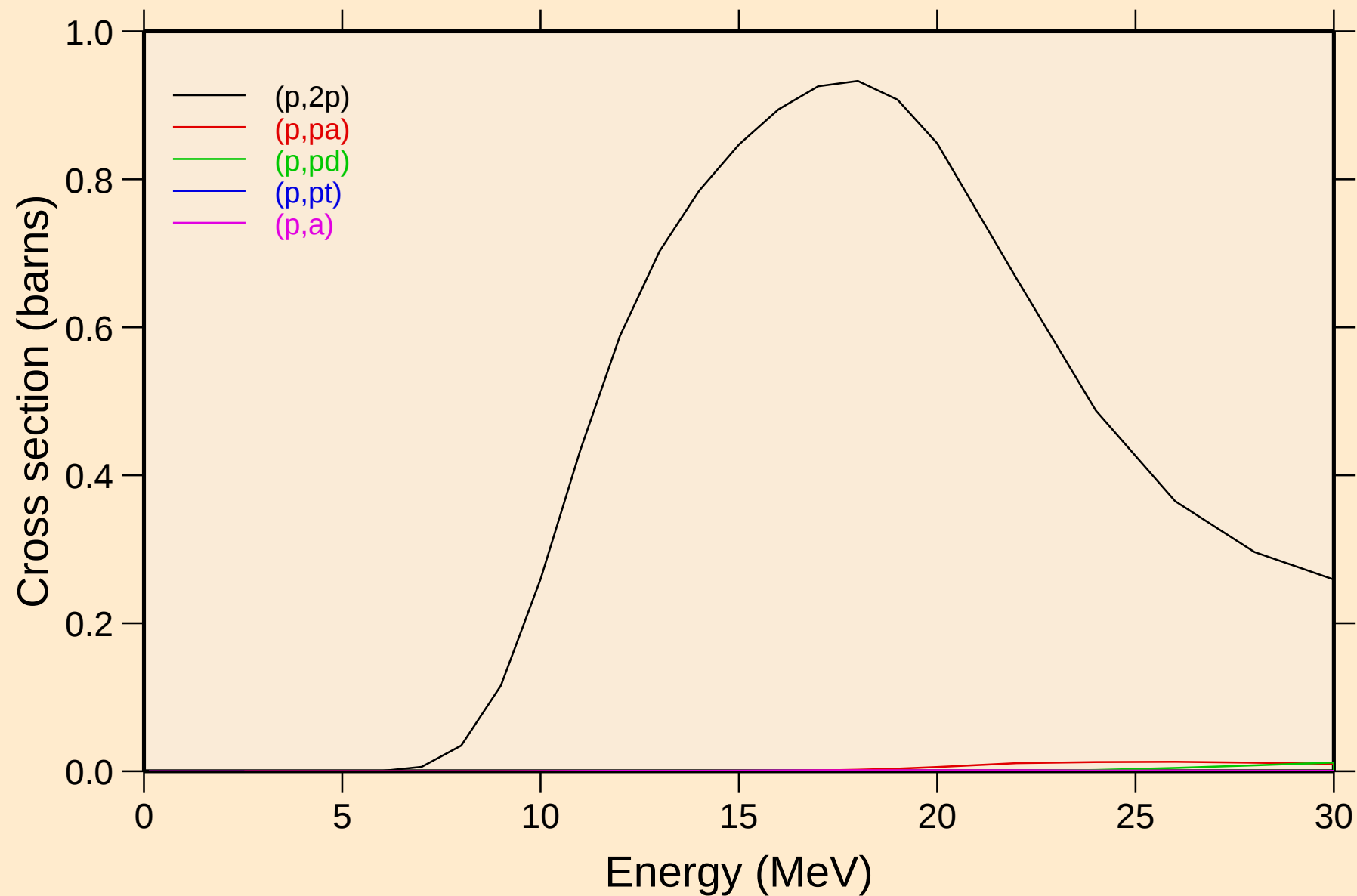
# TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



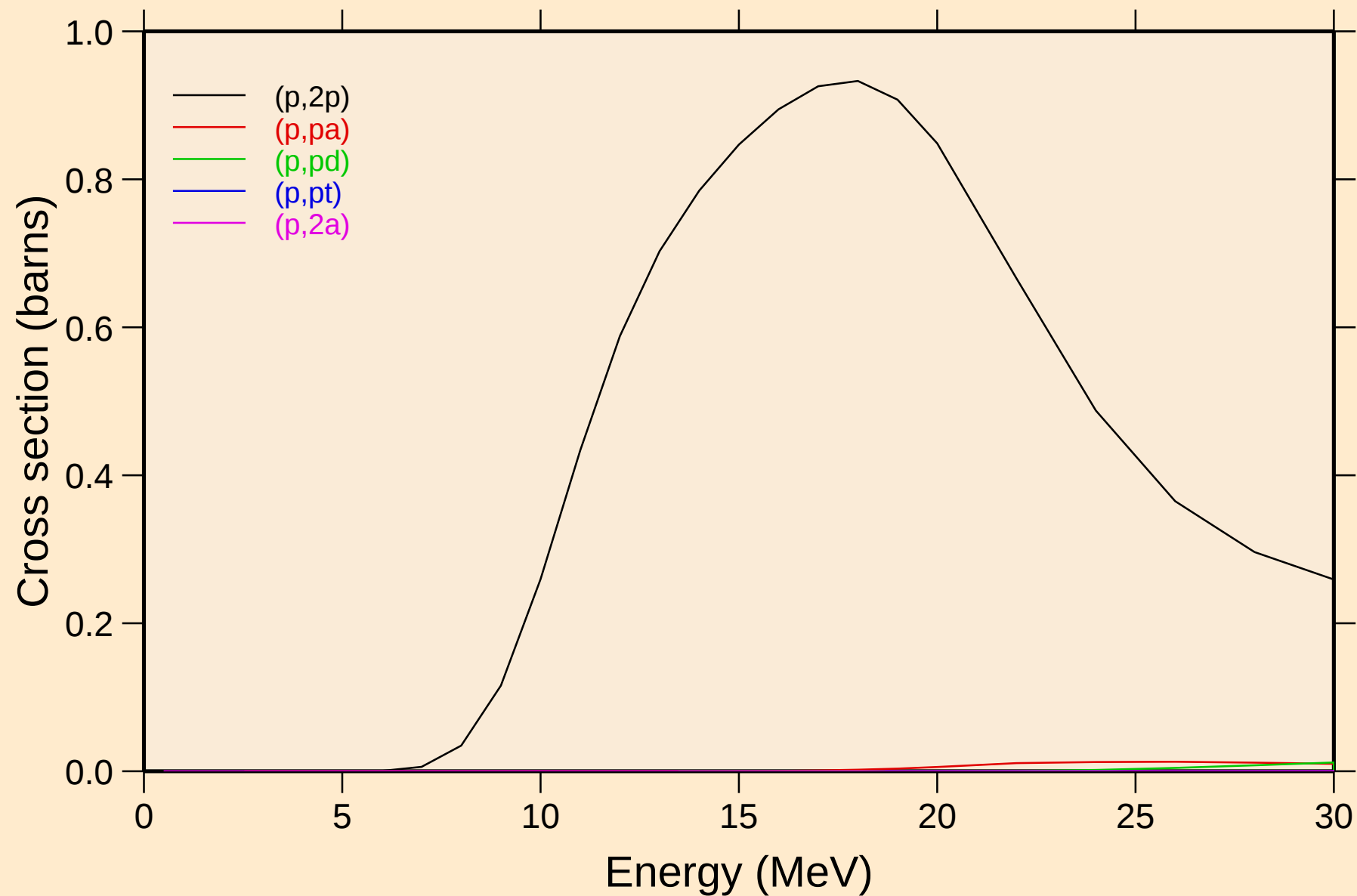
# TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



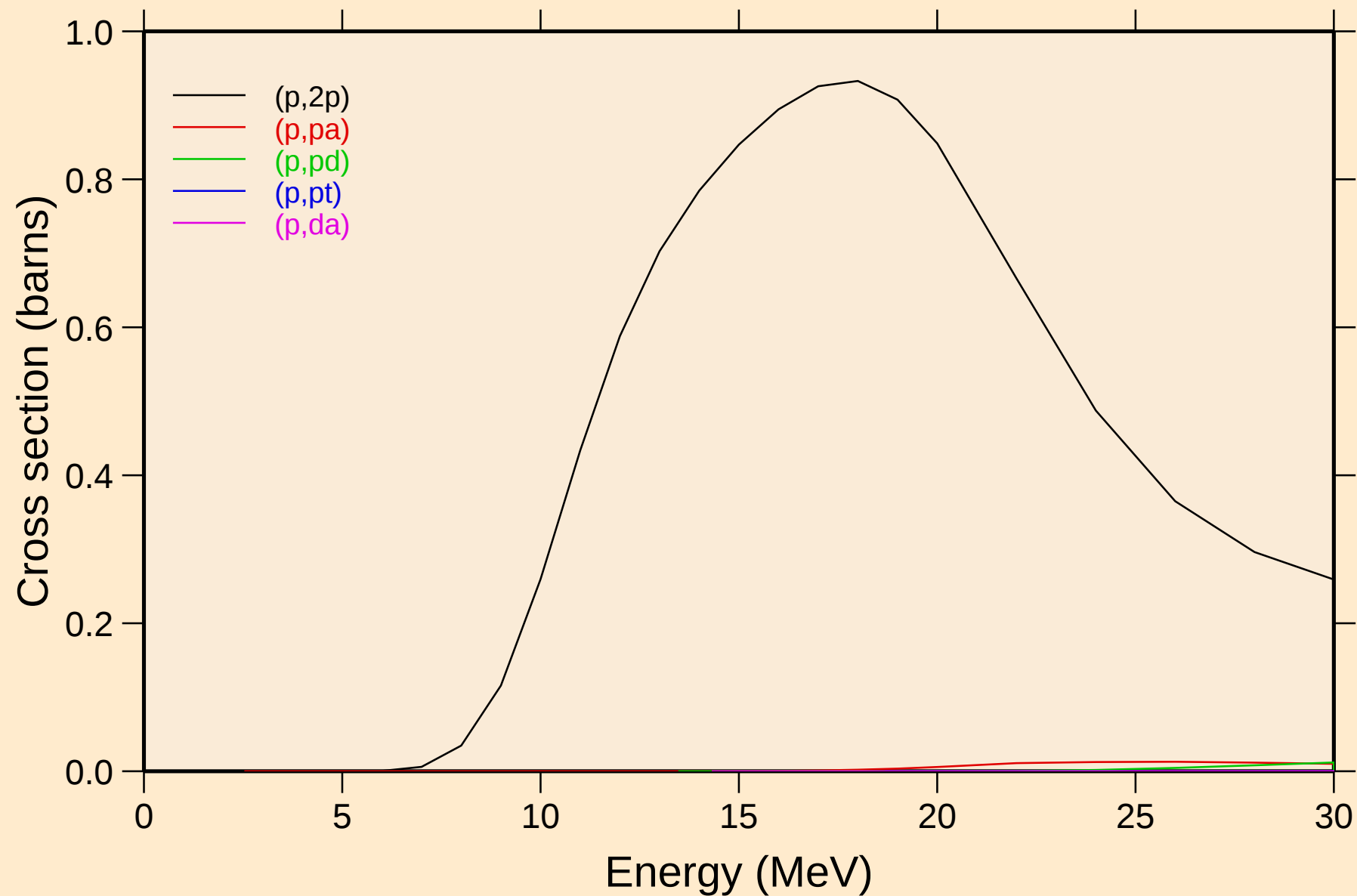
# TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

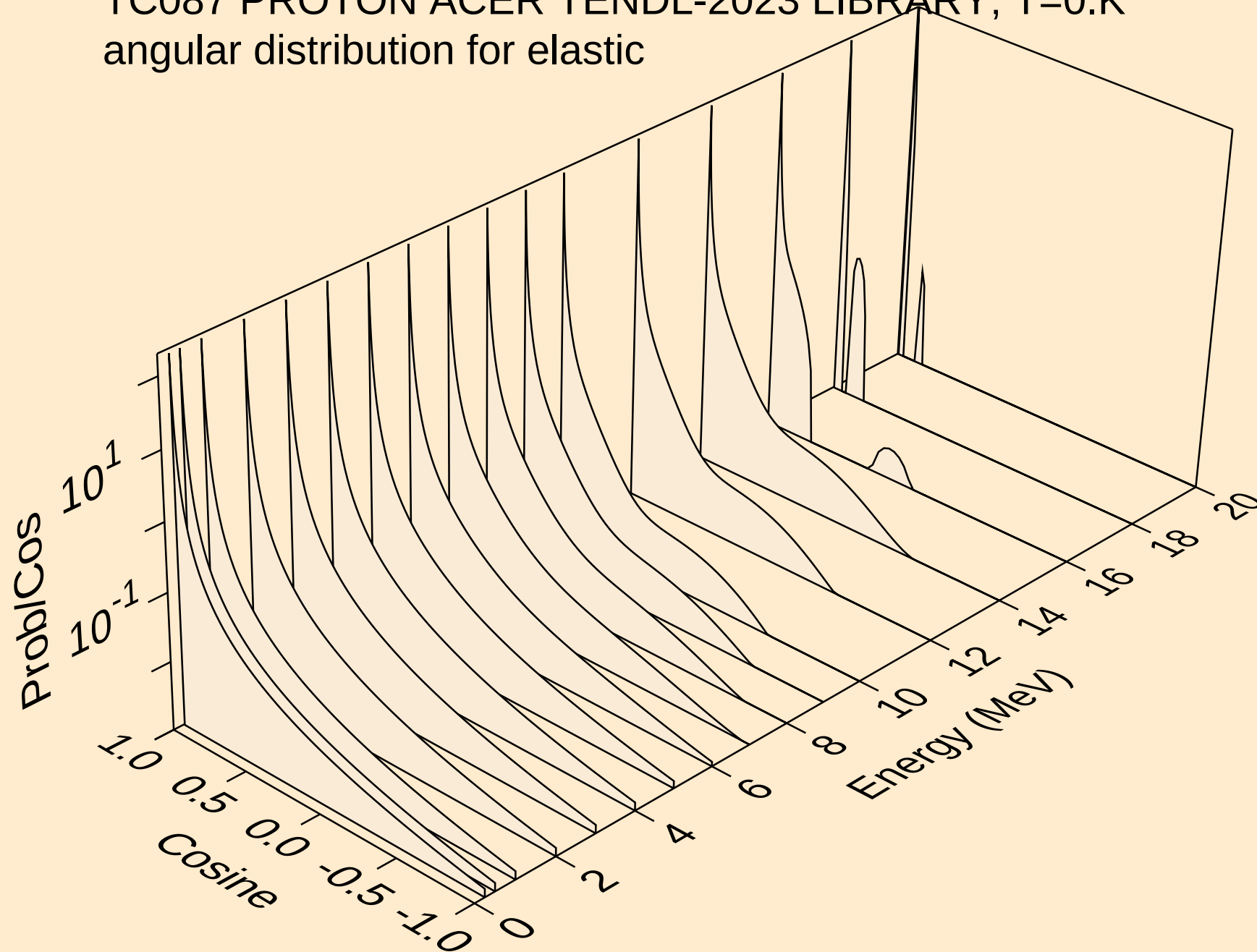


# TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K

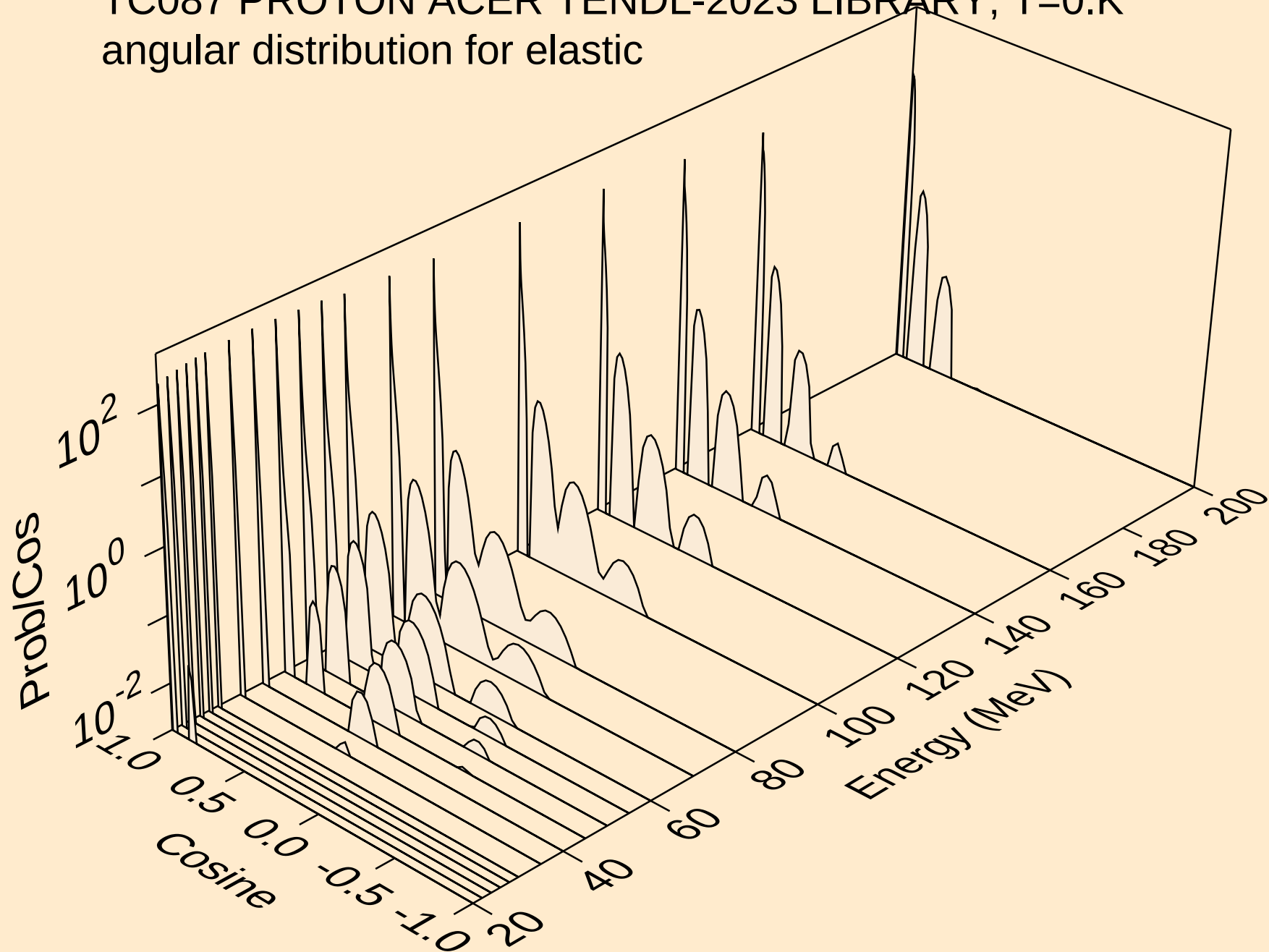
Threshold reactions



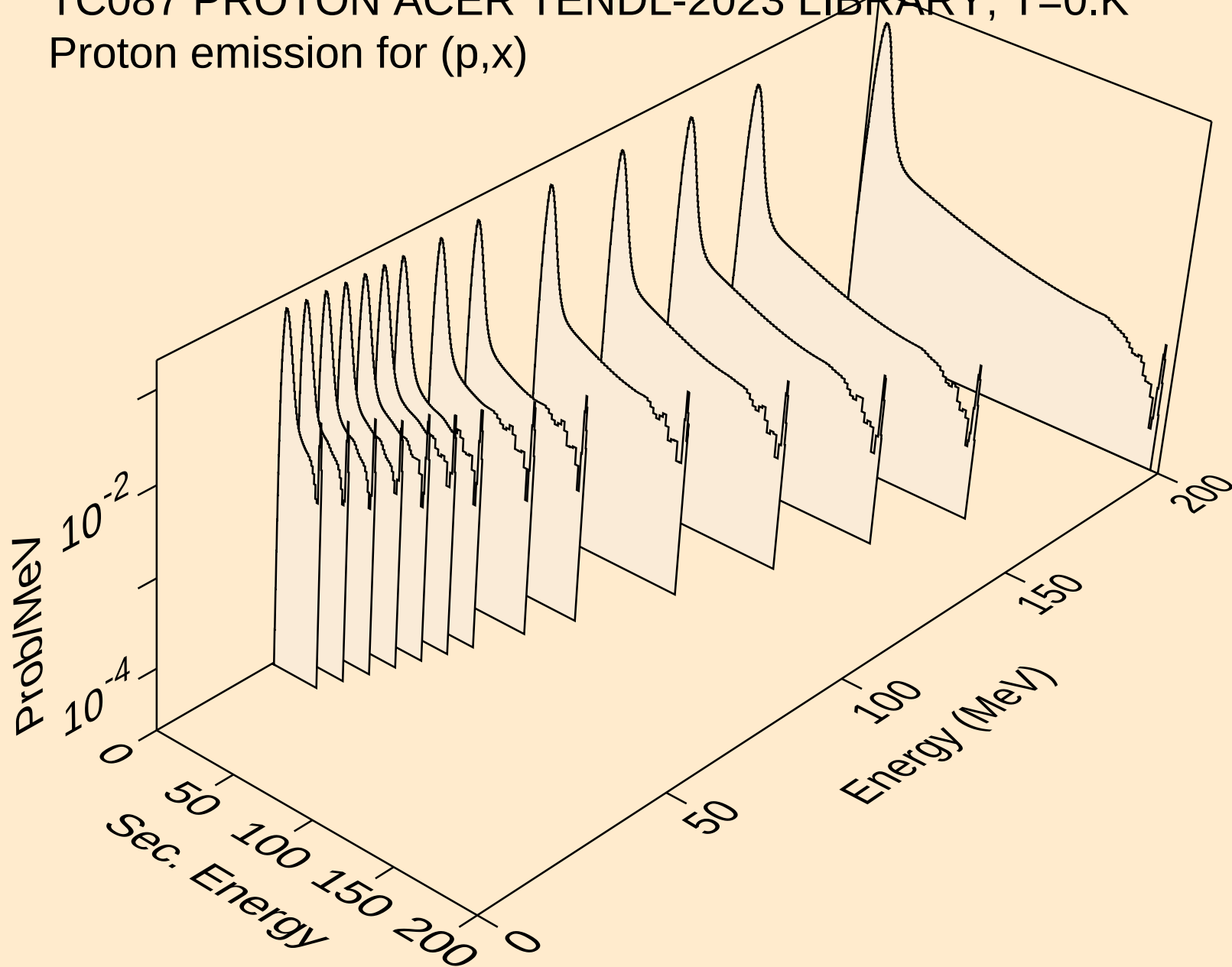
TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

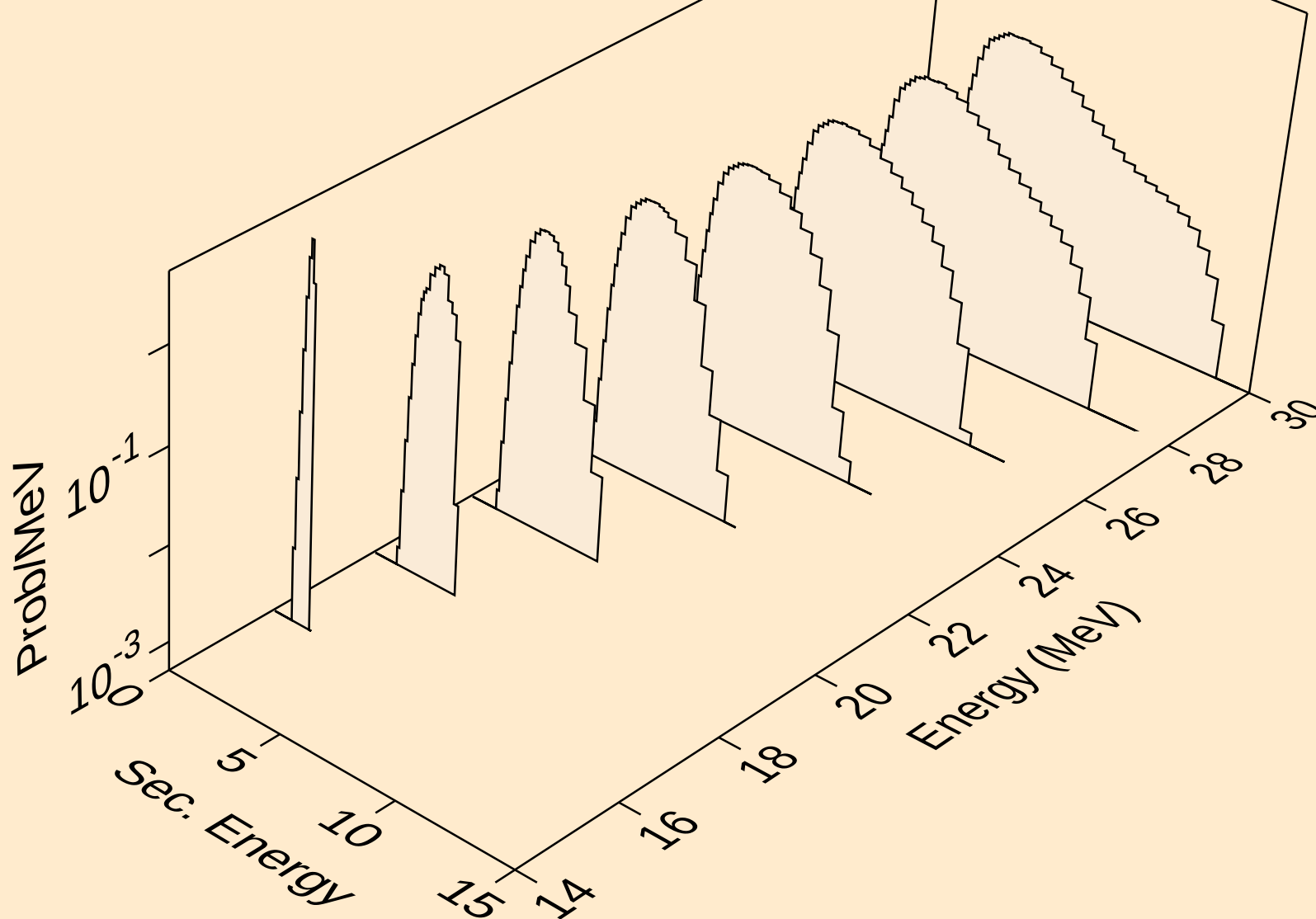


TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)

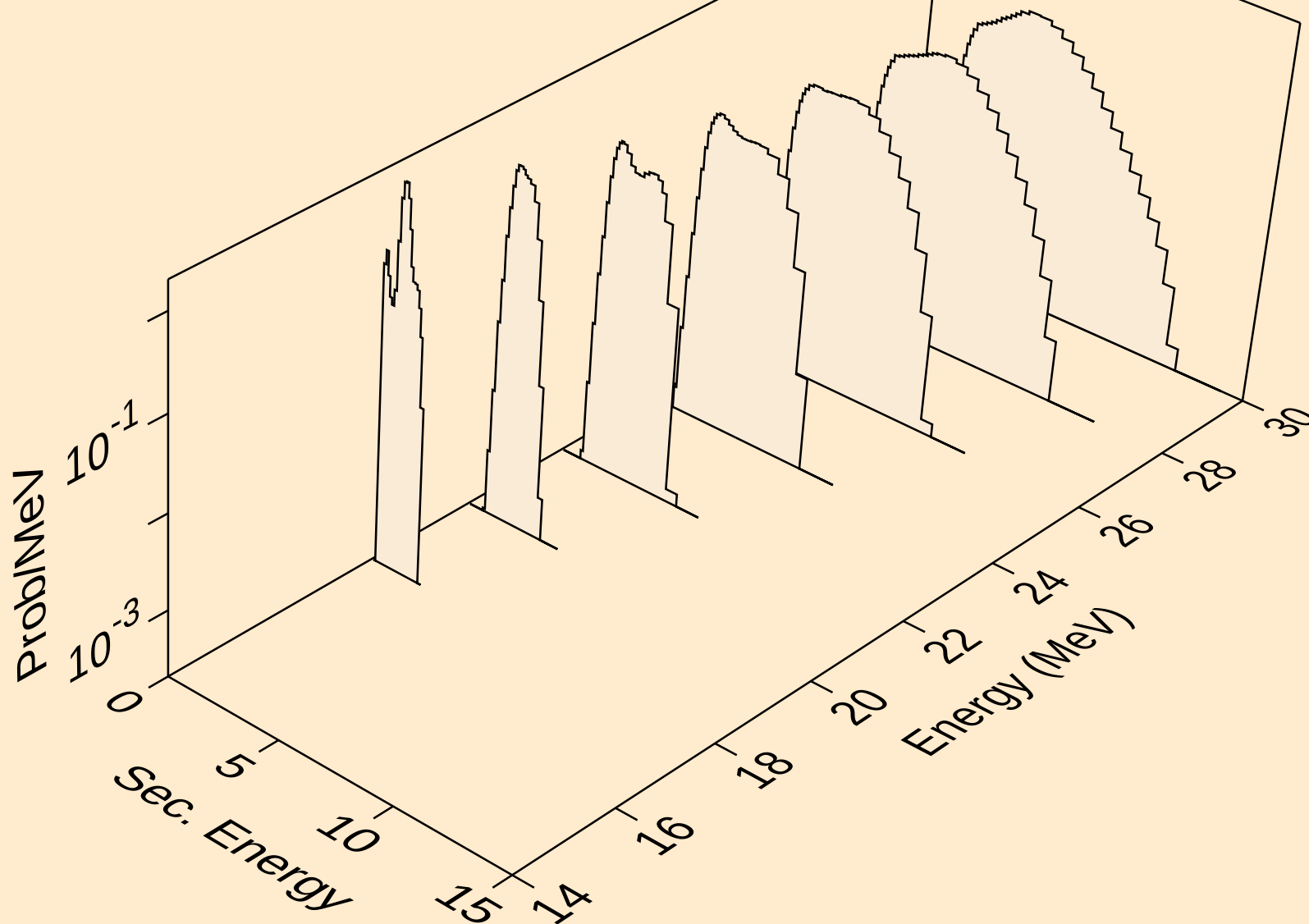


TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,n\*)p

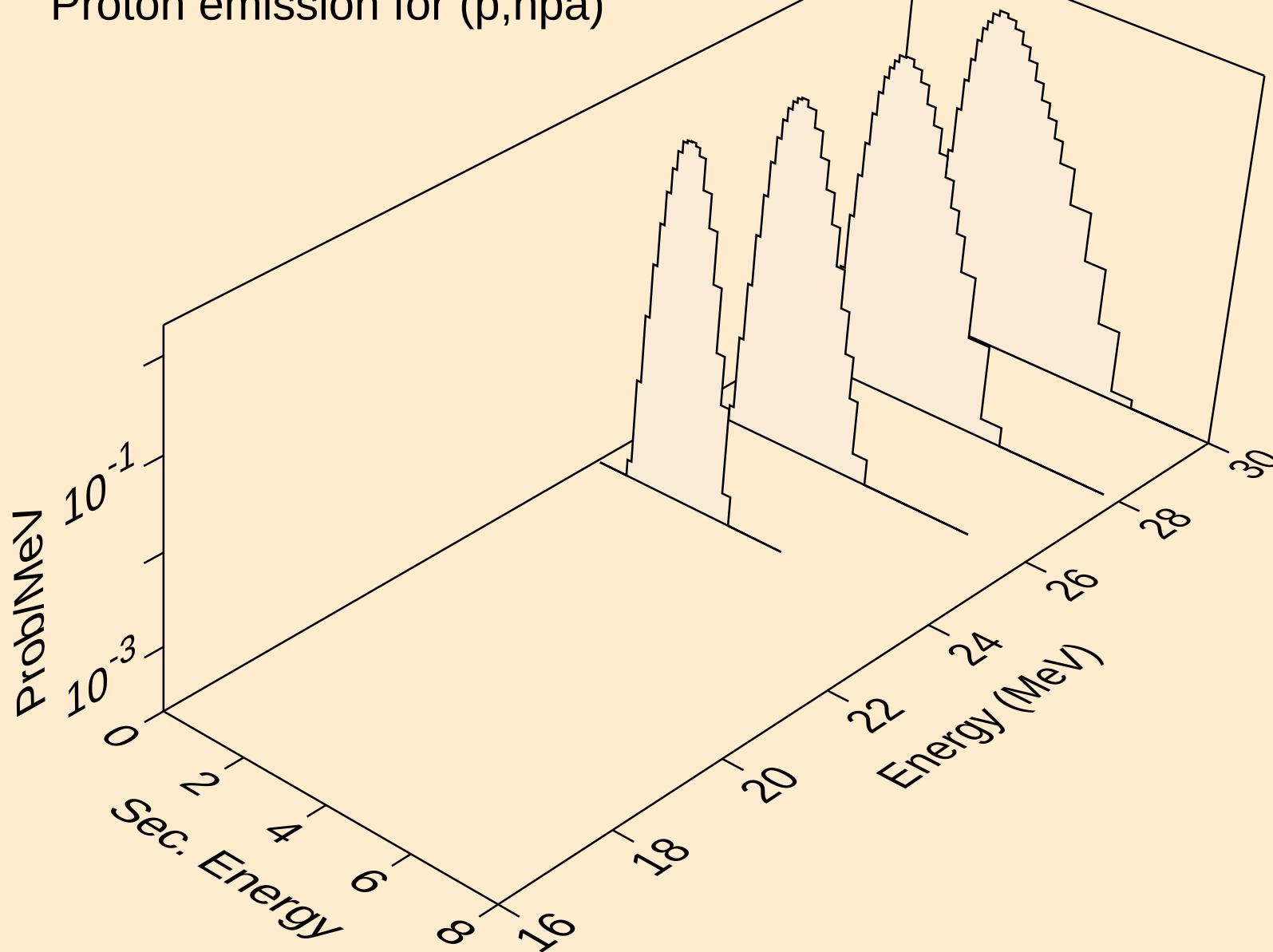


TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)

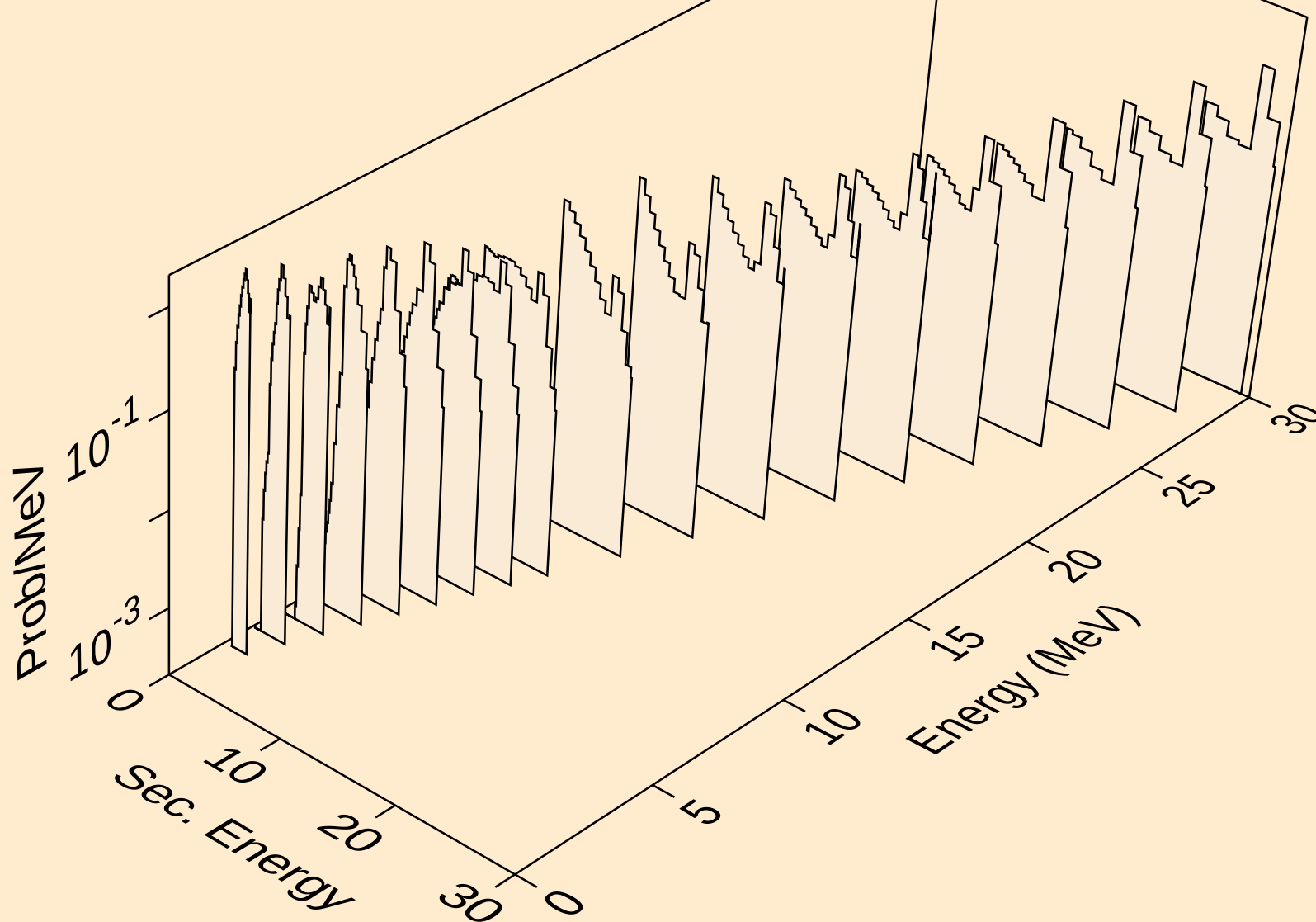


TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K

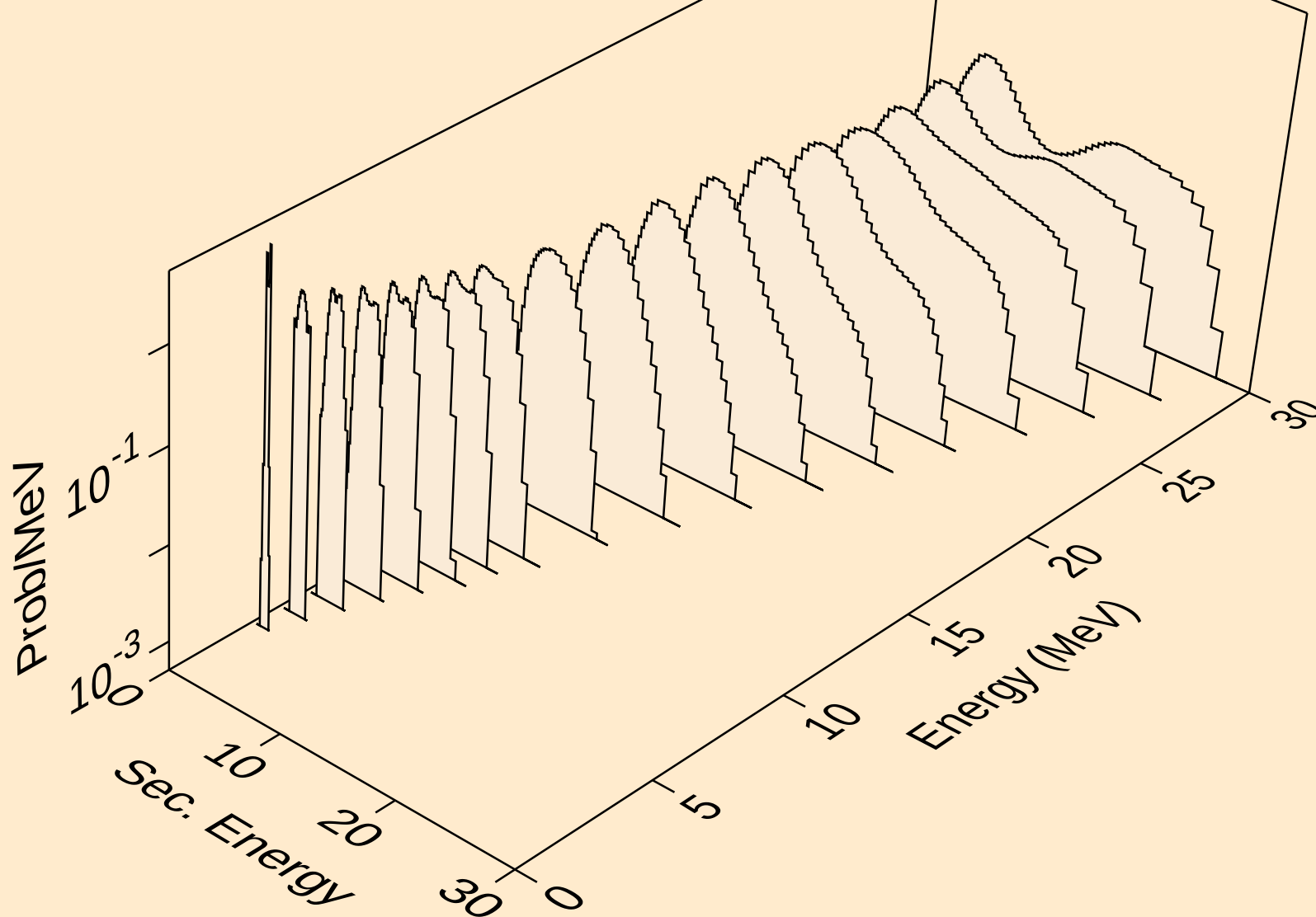
Proton emission for (p,npa)



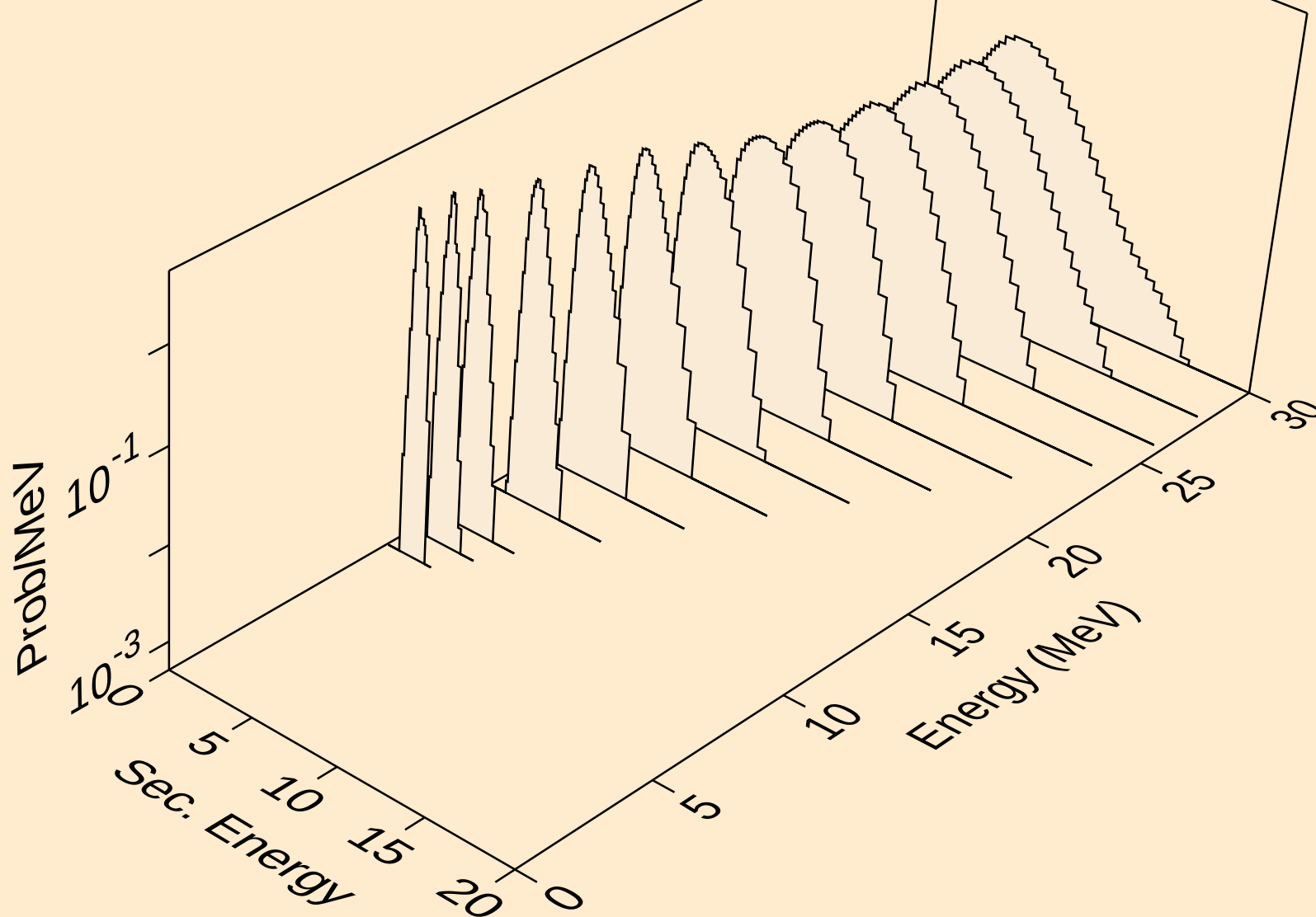
TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic



TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2p)

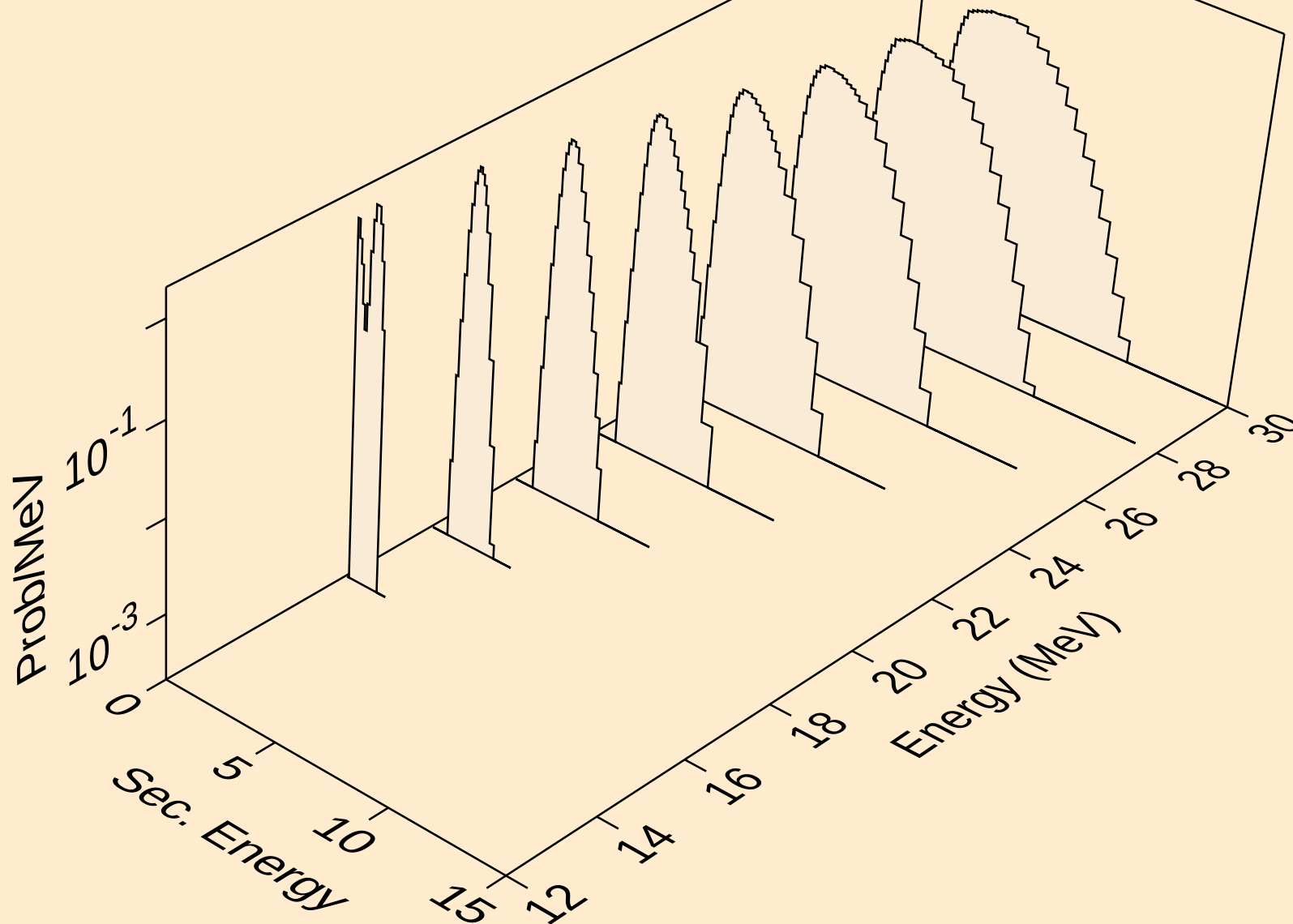


TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pa)



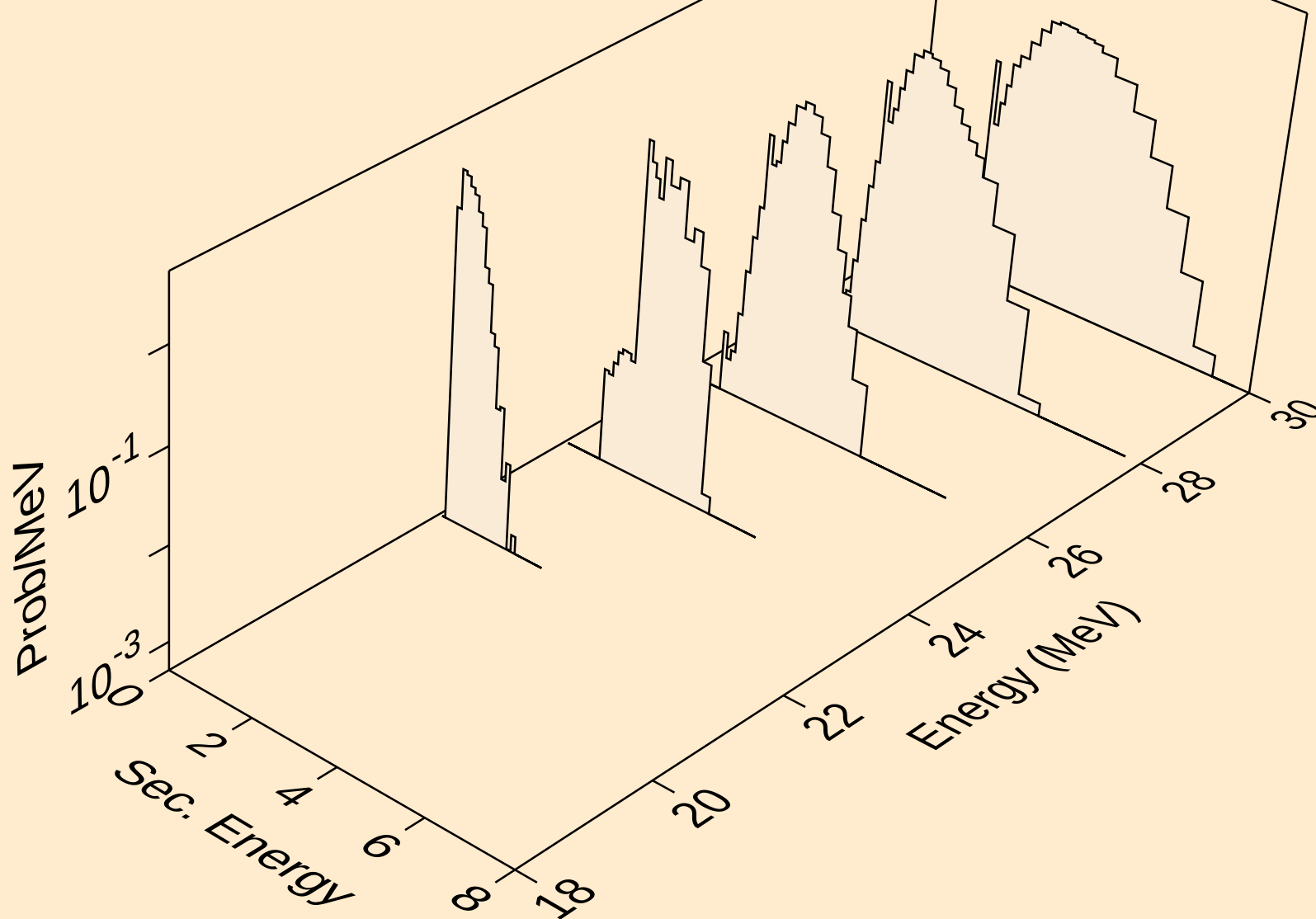
TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,pd)

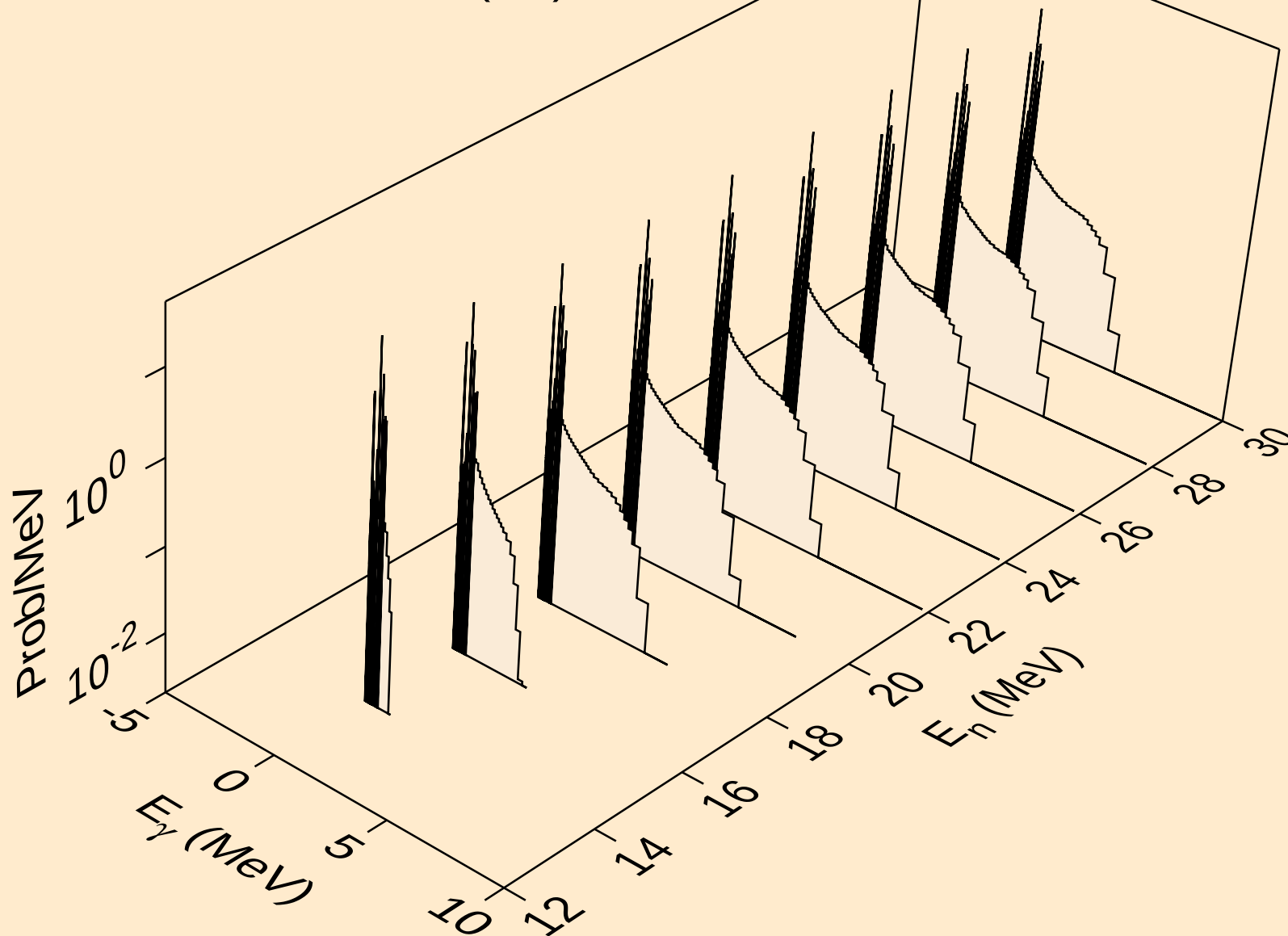


TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Proton emission for (p,pt)

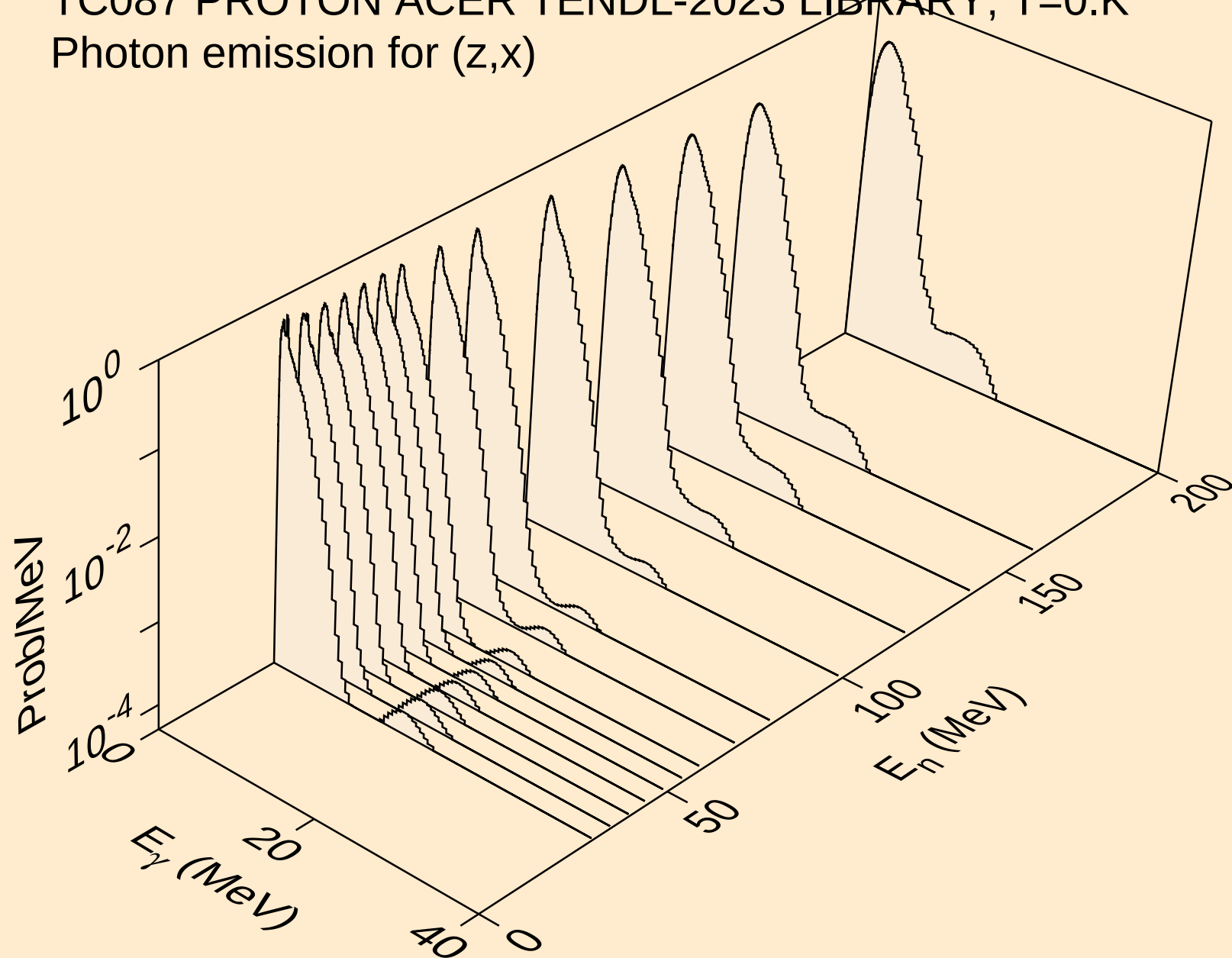


TC087 PROTON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (z,n)

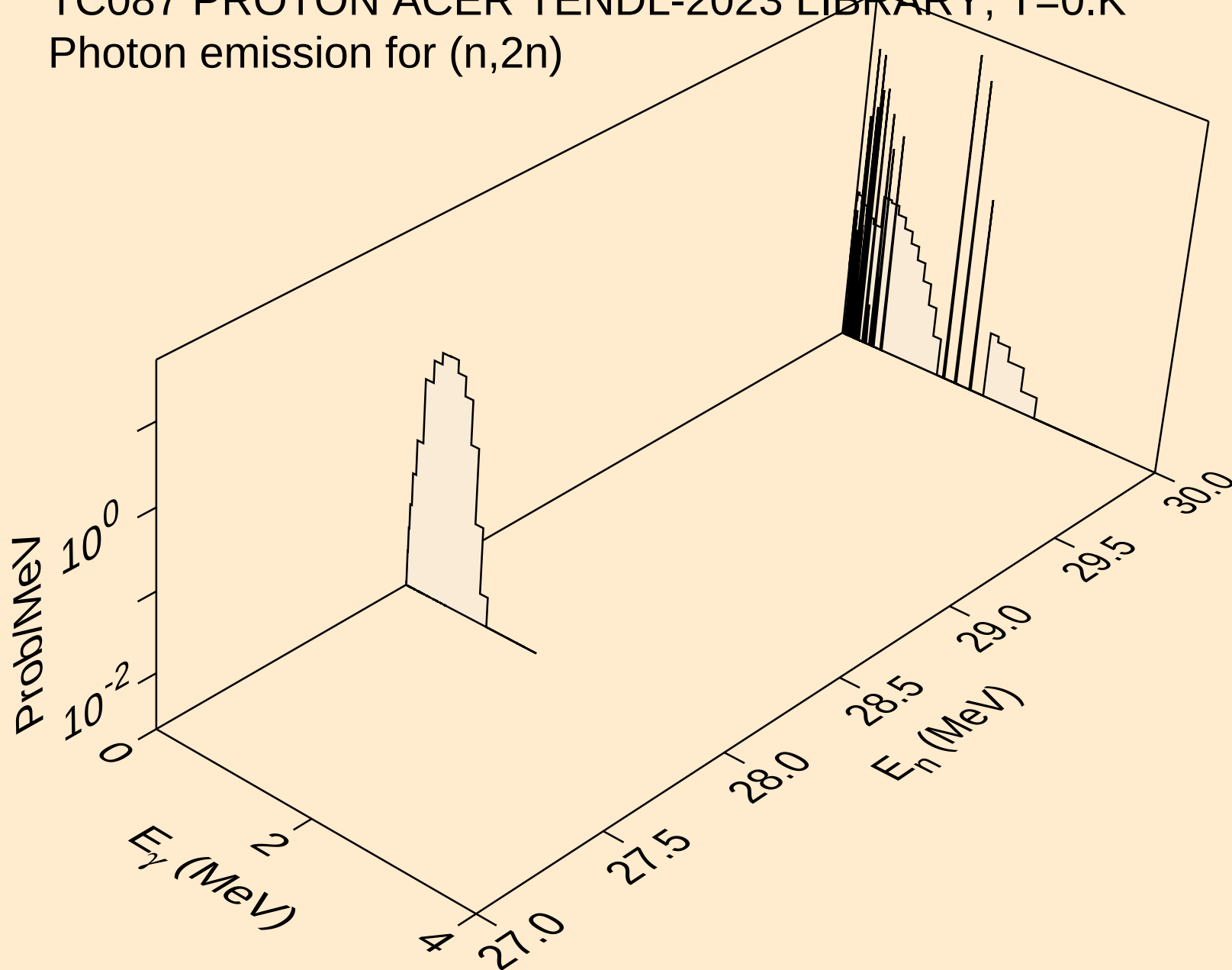


TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (z,x)

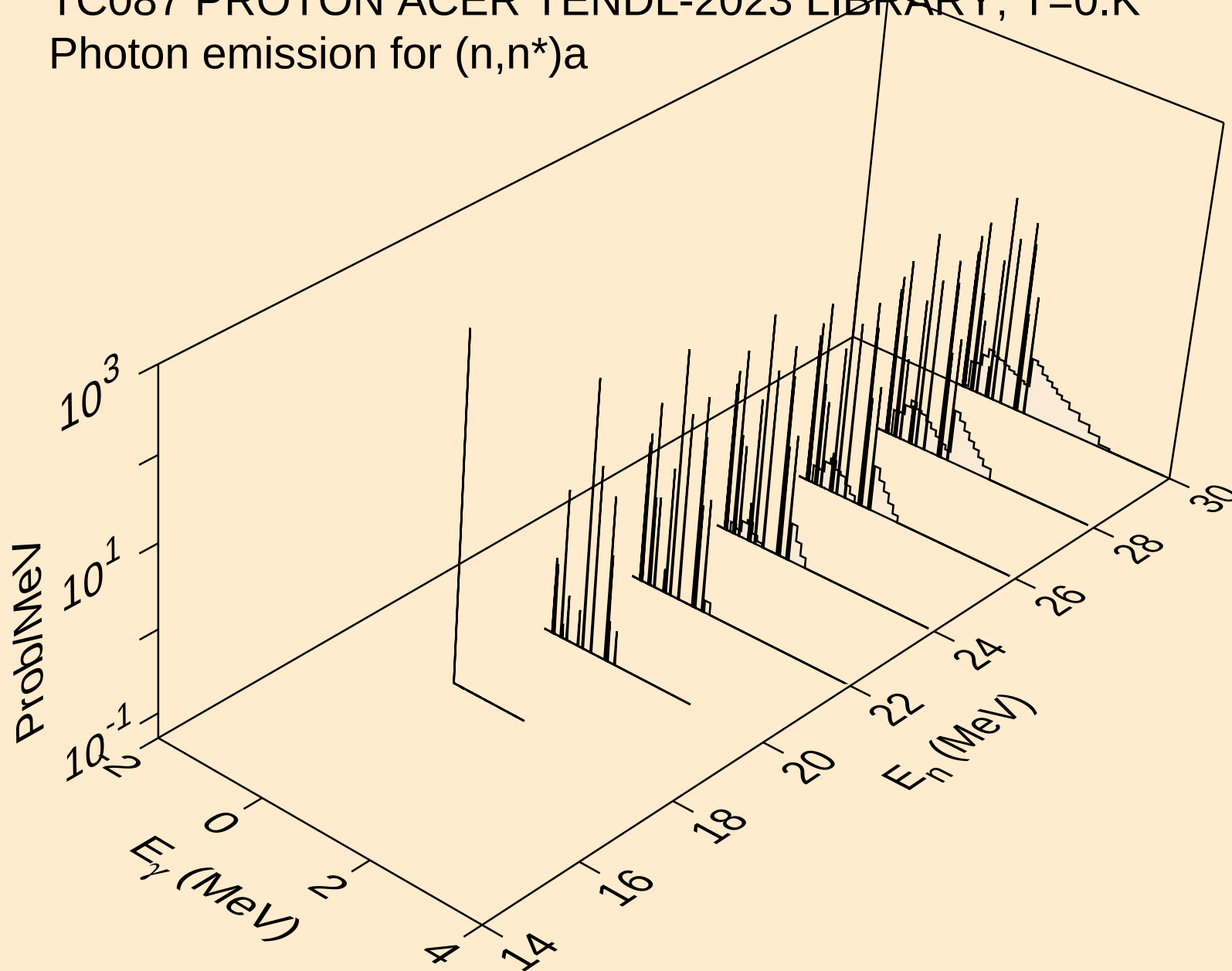


TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



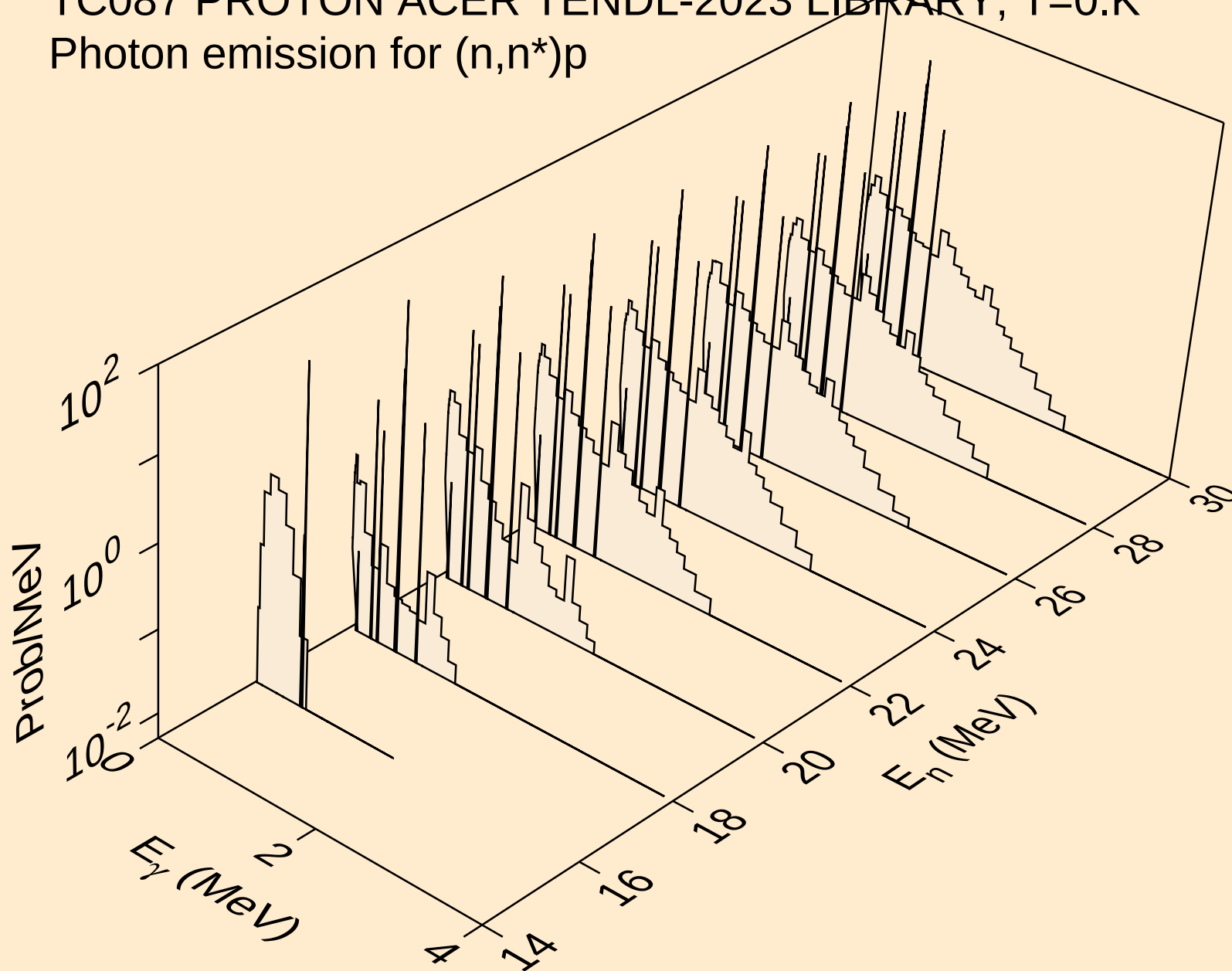
TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)a

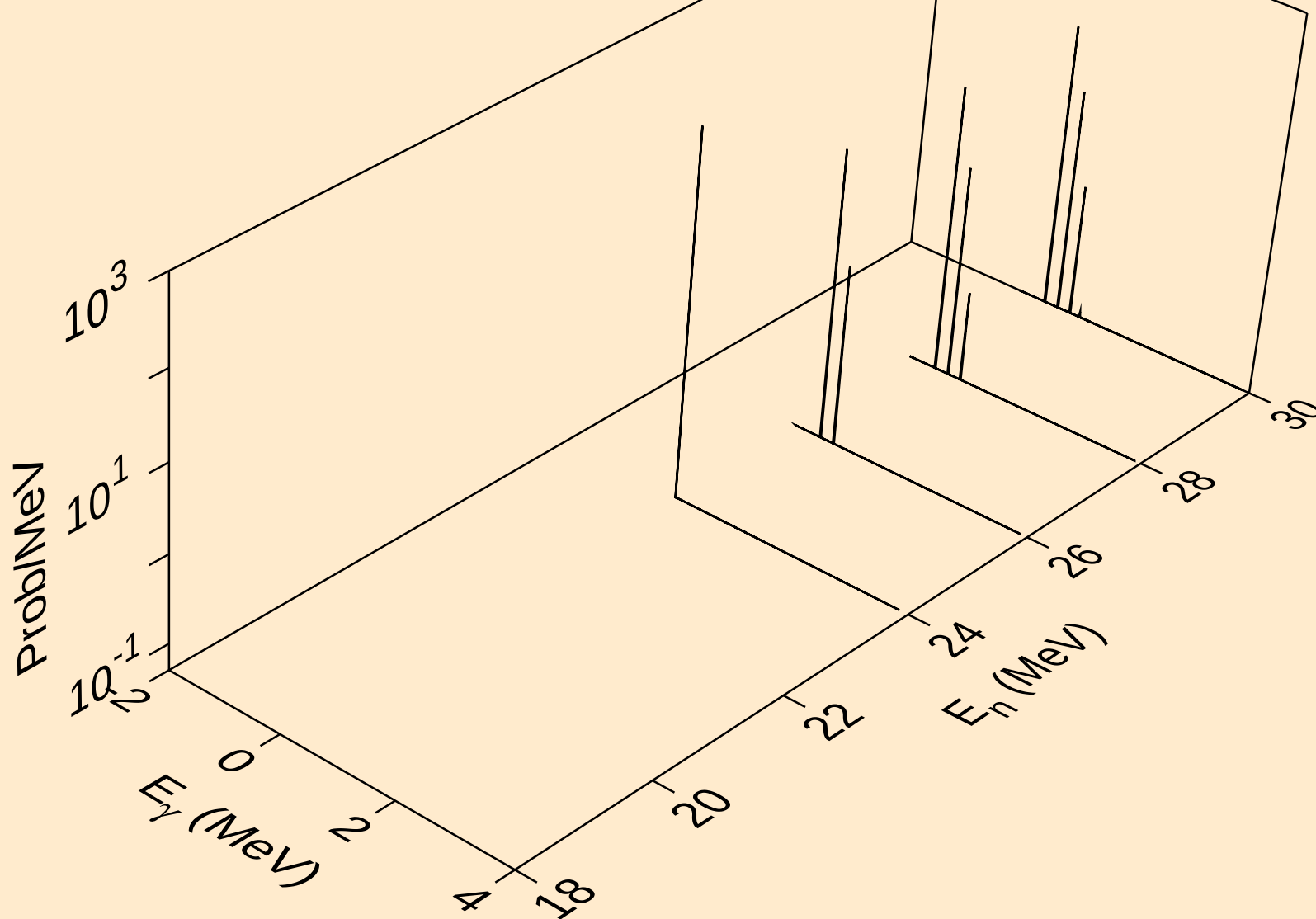


TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K

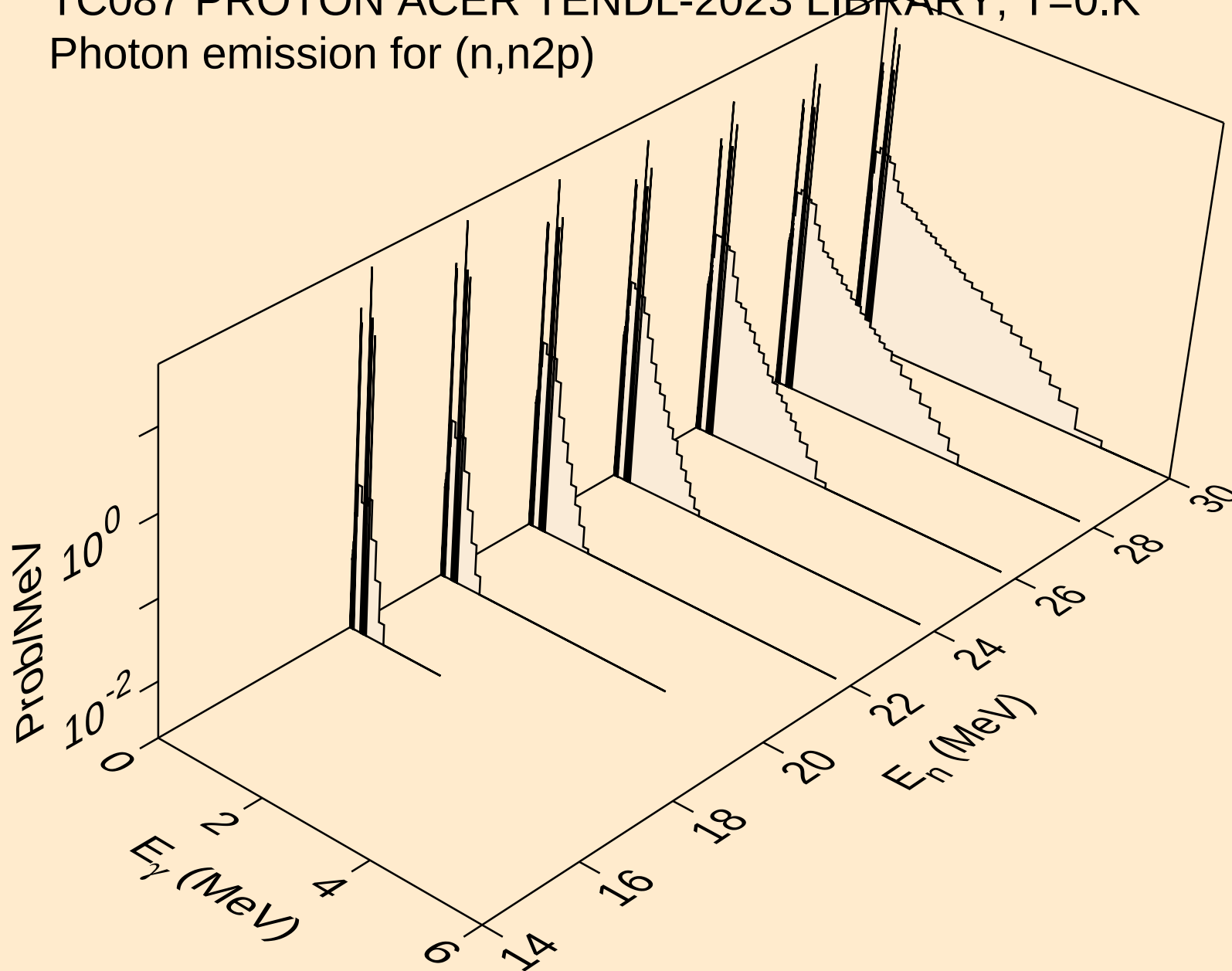
Photon emission for (n,n\*)p



TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

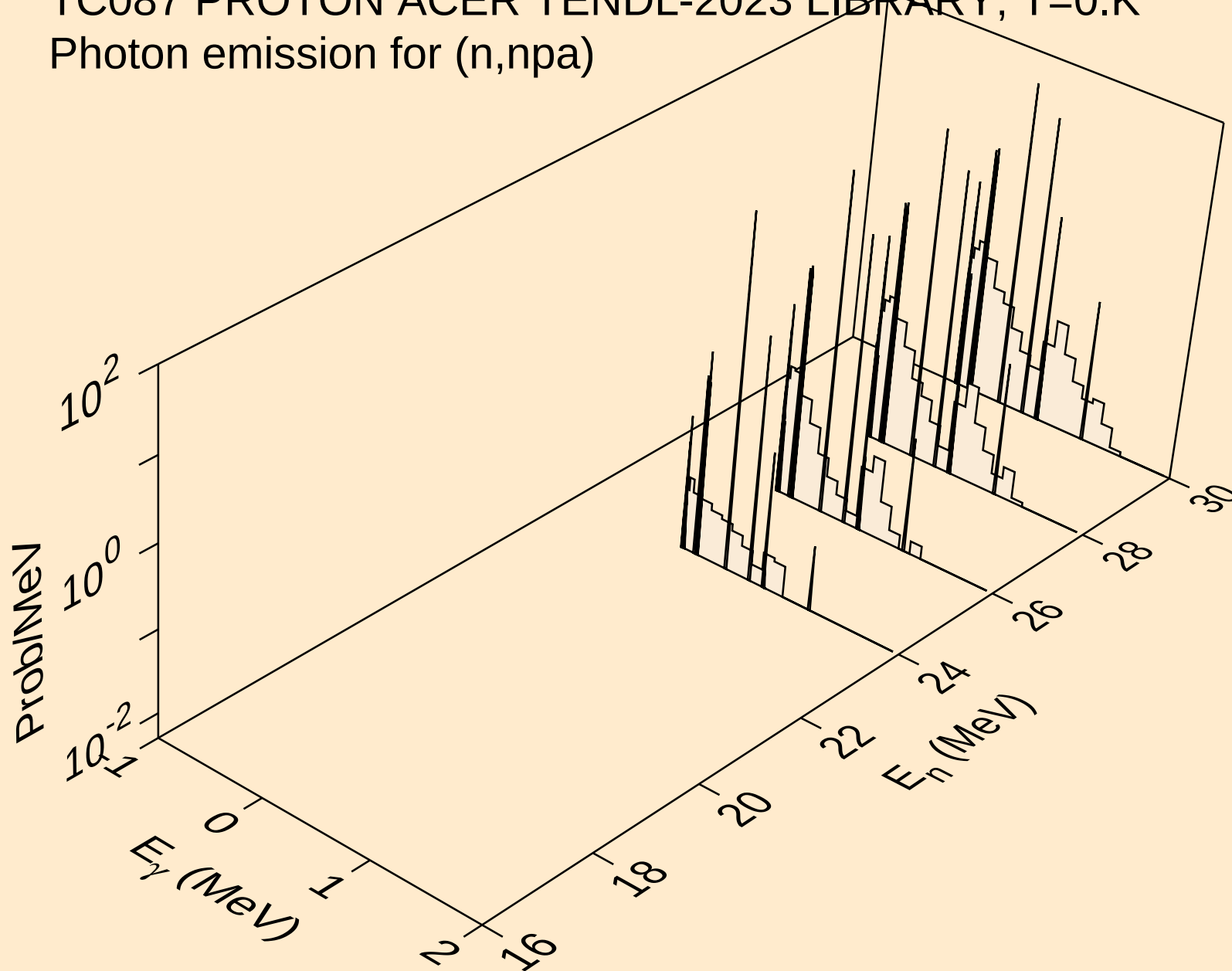


TC087 PROTON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,n2p)

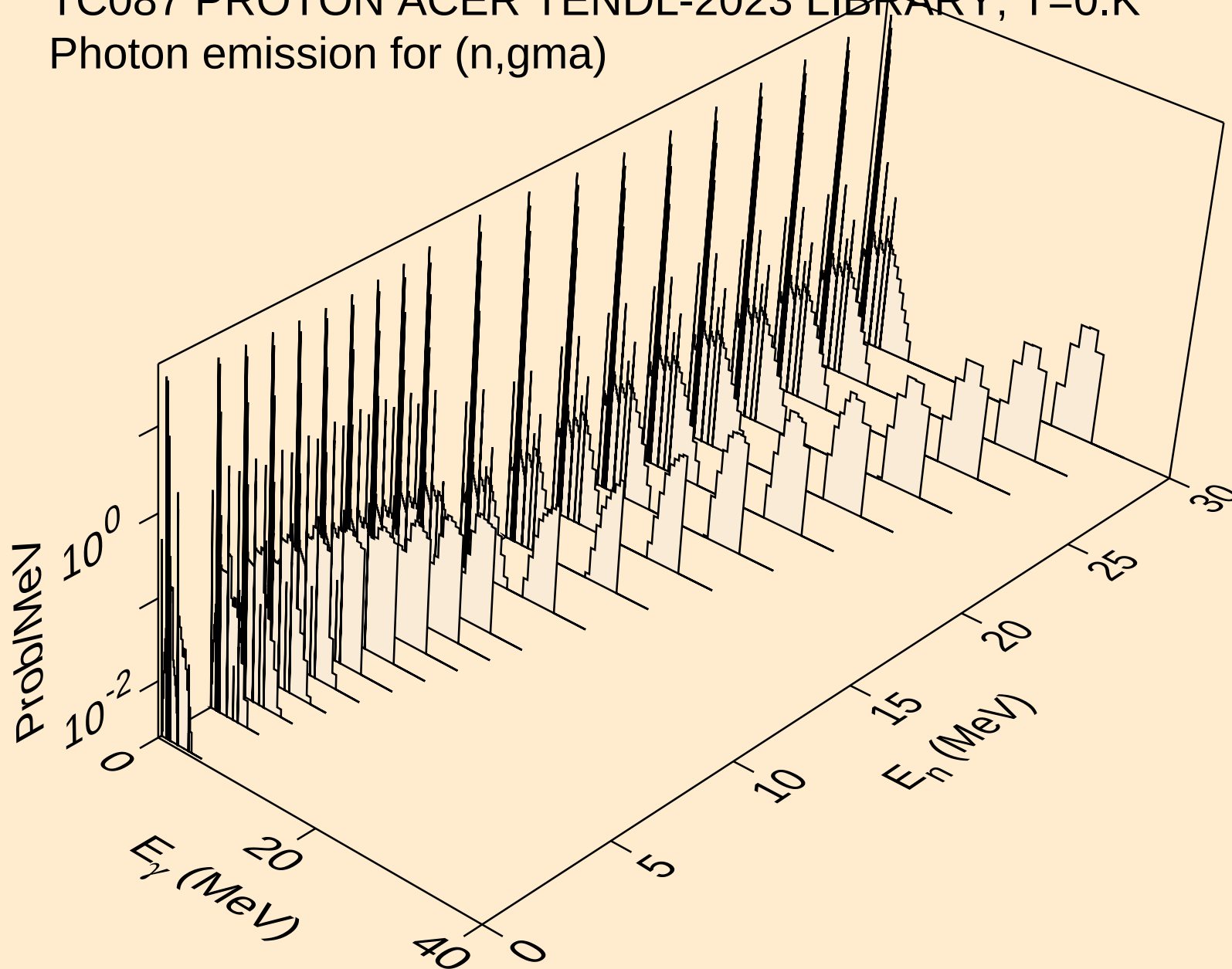


TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K

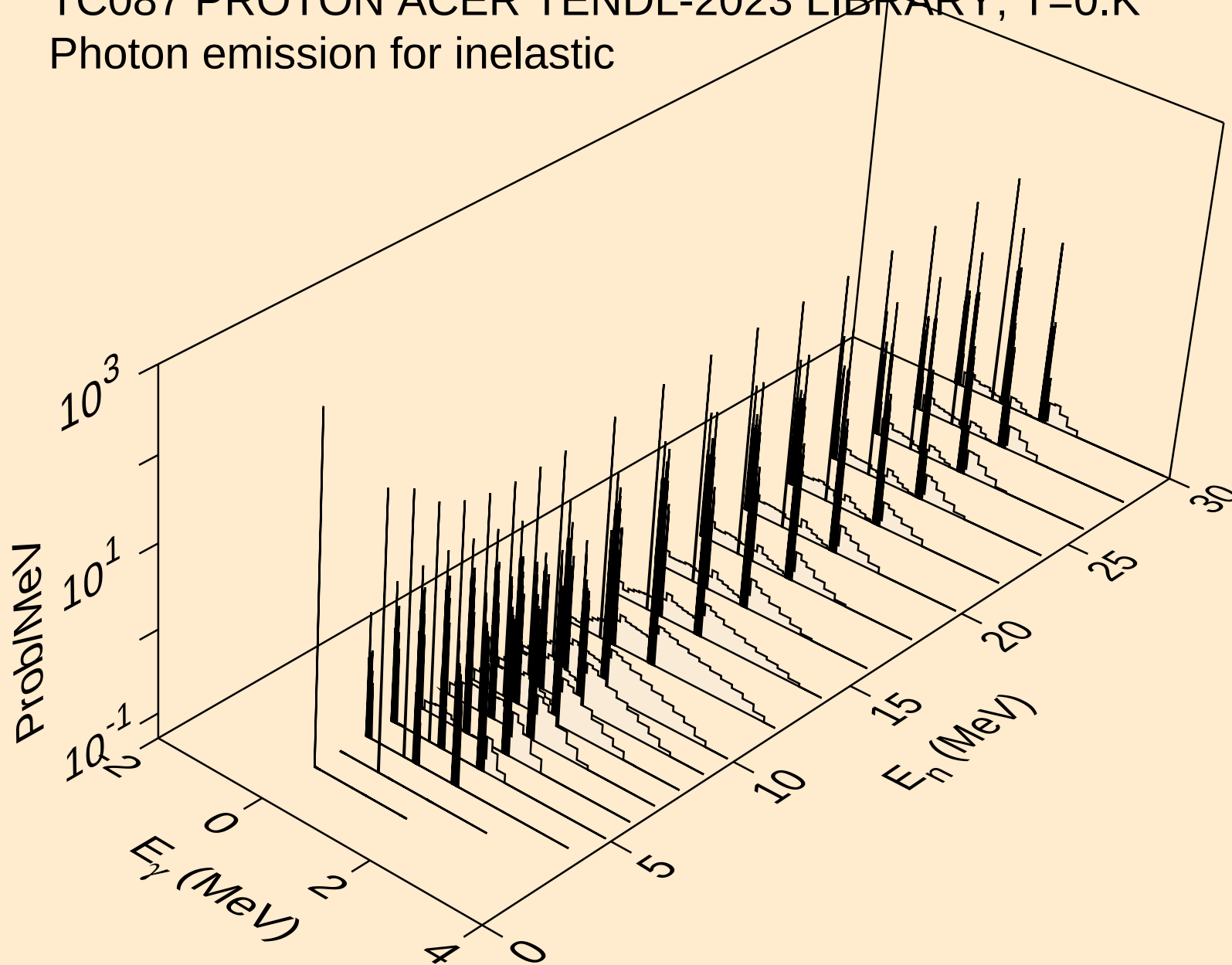
Photon emission for (n,npa)



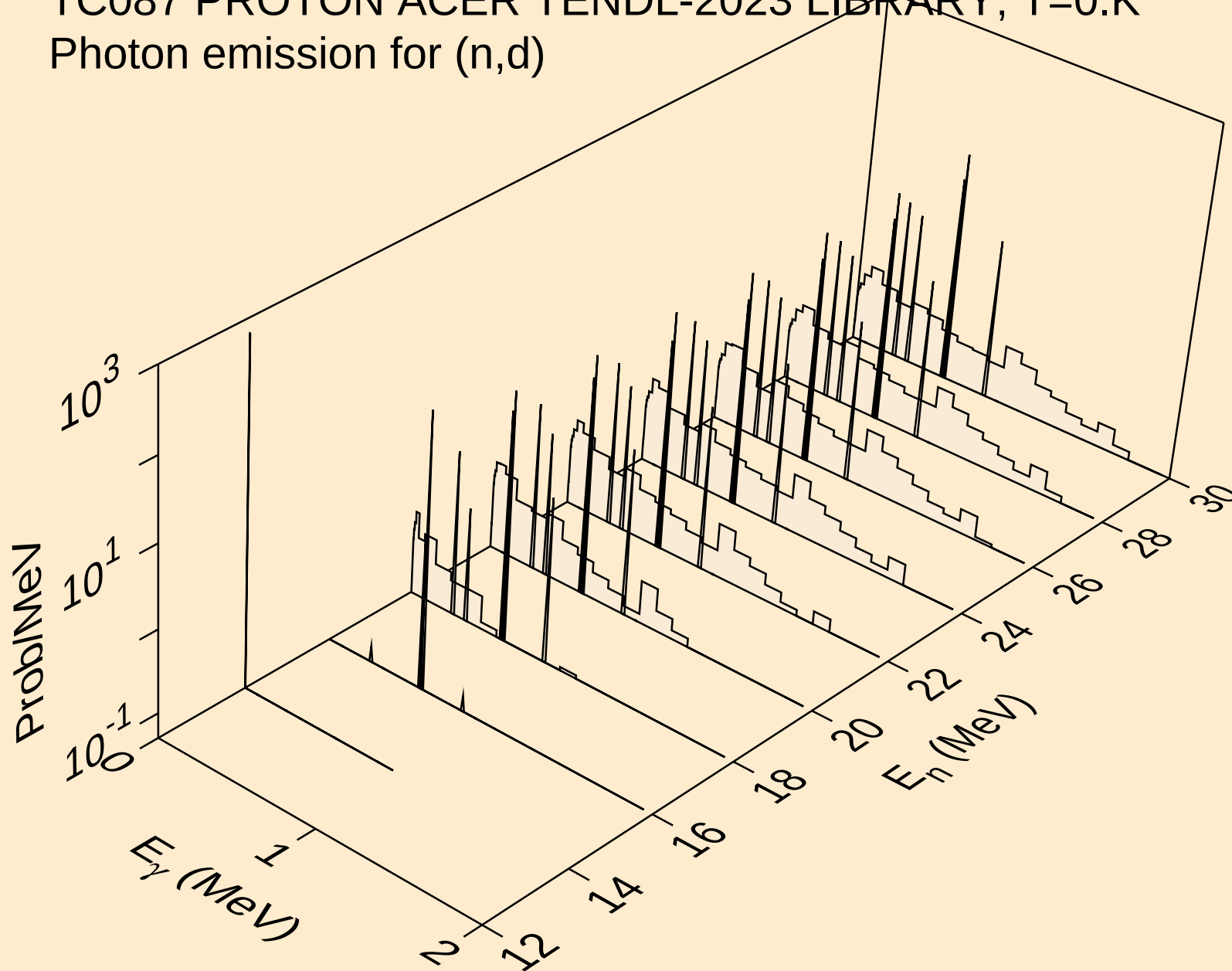
TC087 PROTON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,gma)



TC087 PROTON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for inelastic

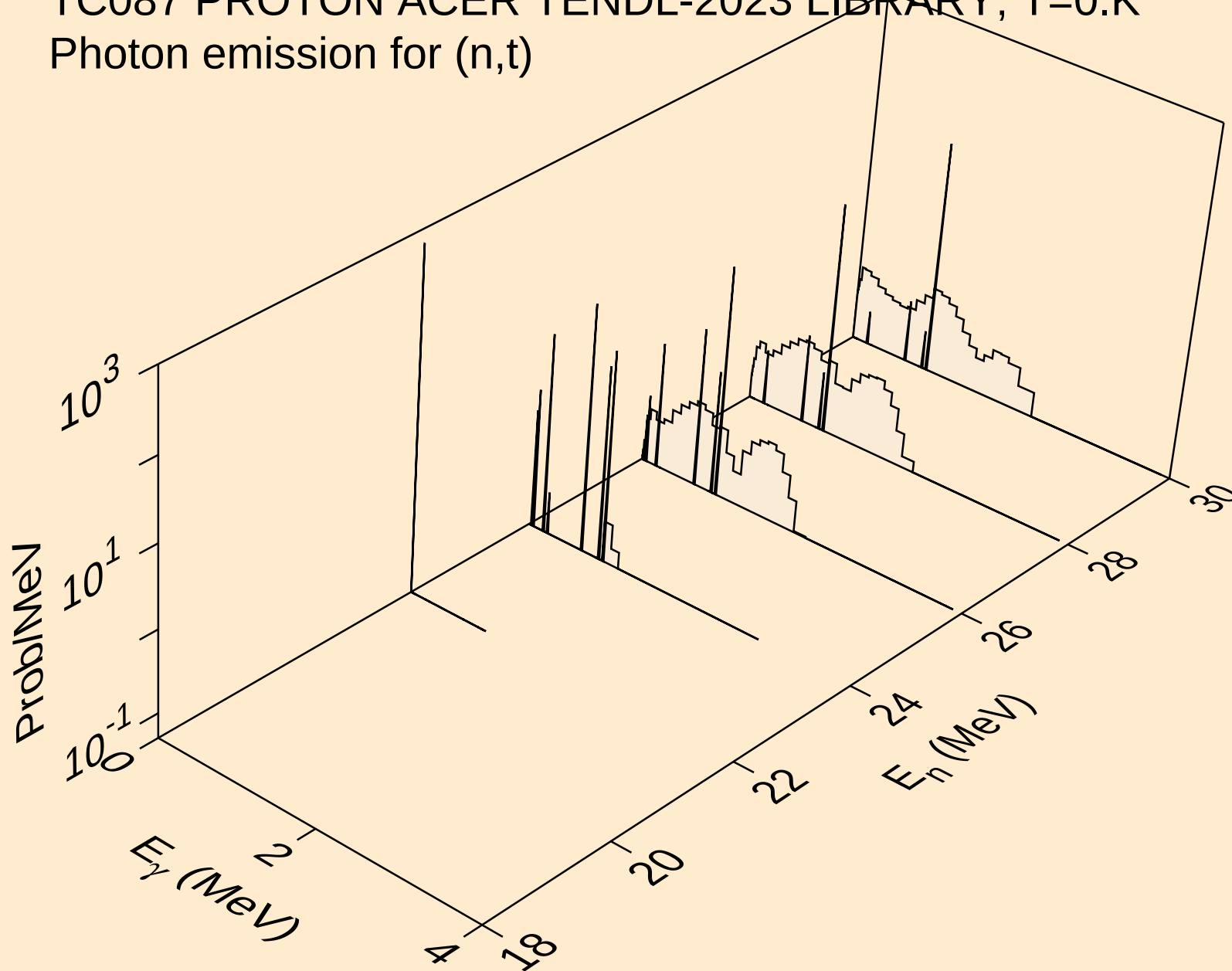


TC087 PROTON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,d)

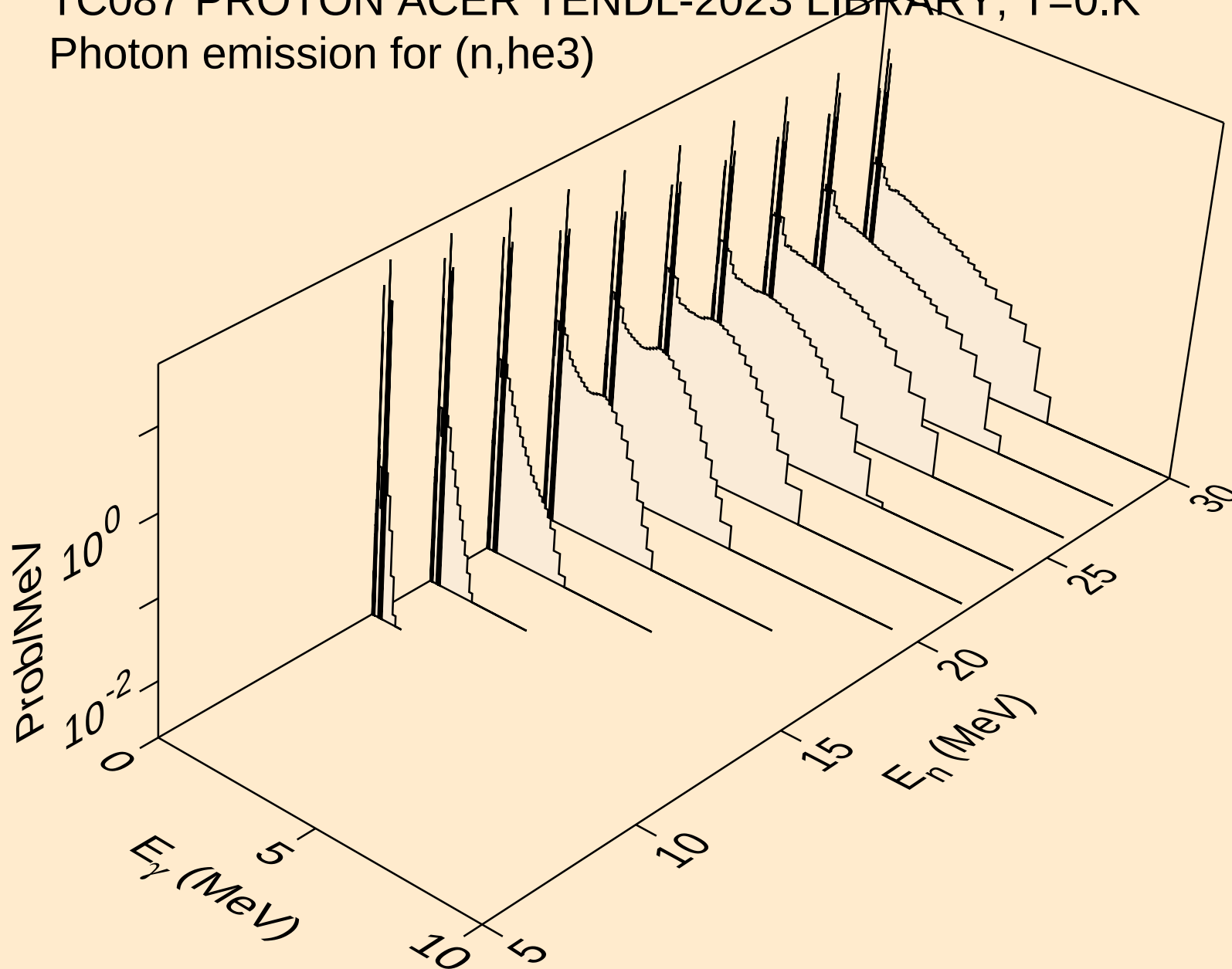


TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K

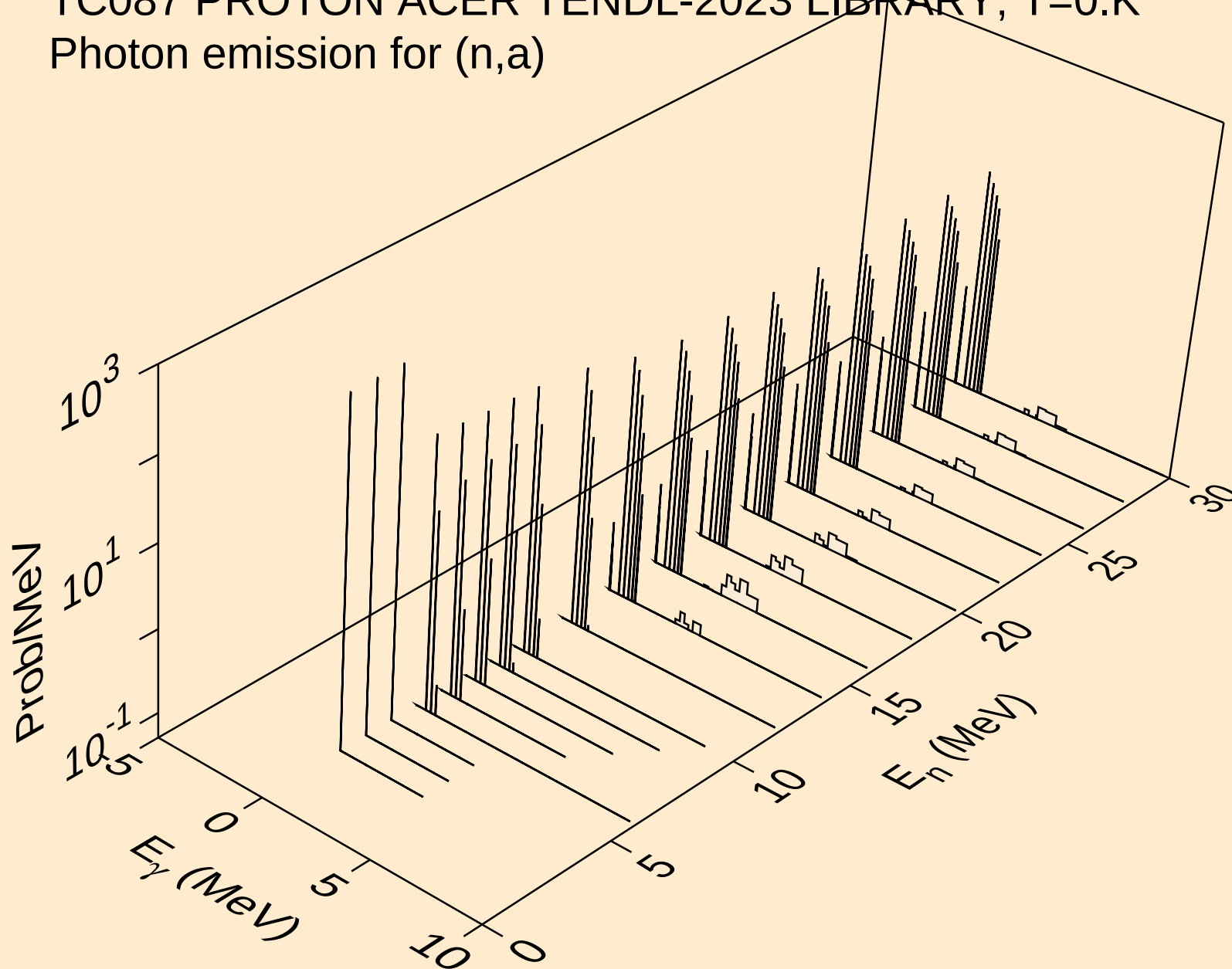
Photon emission for (n,t)



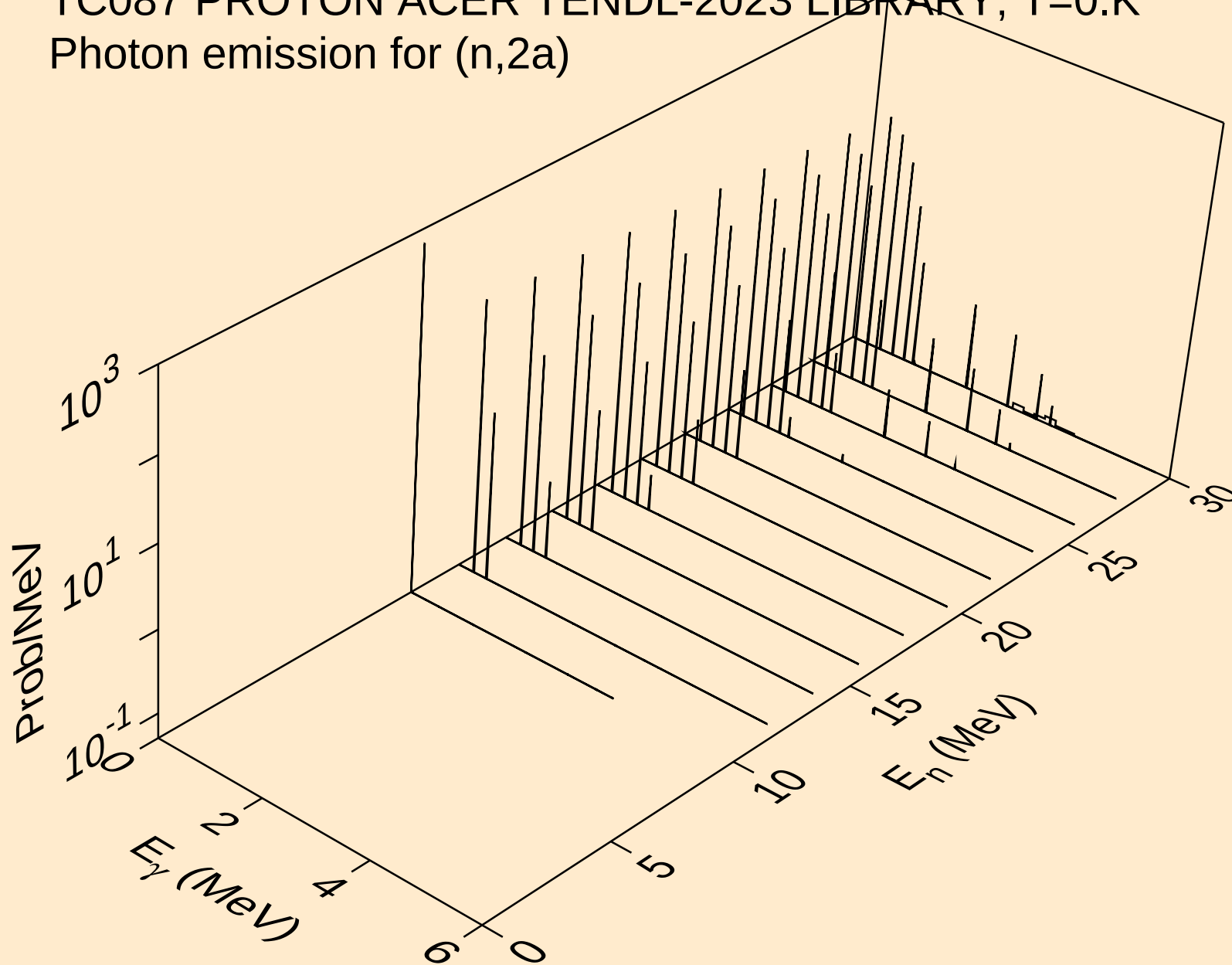
TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



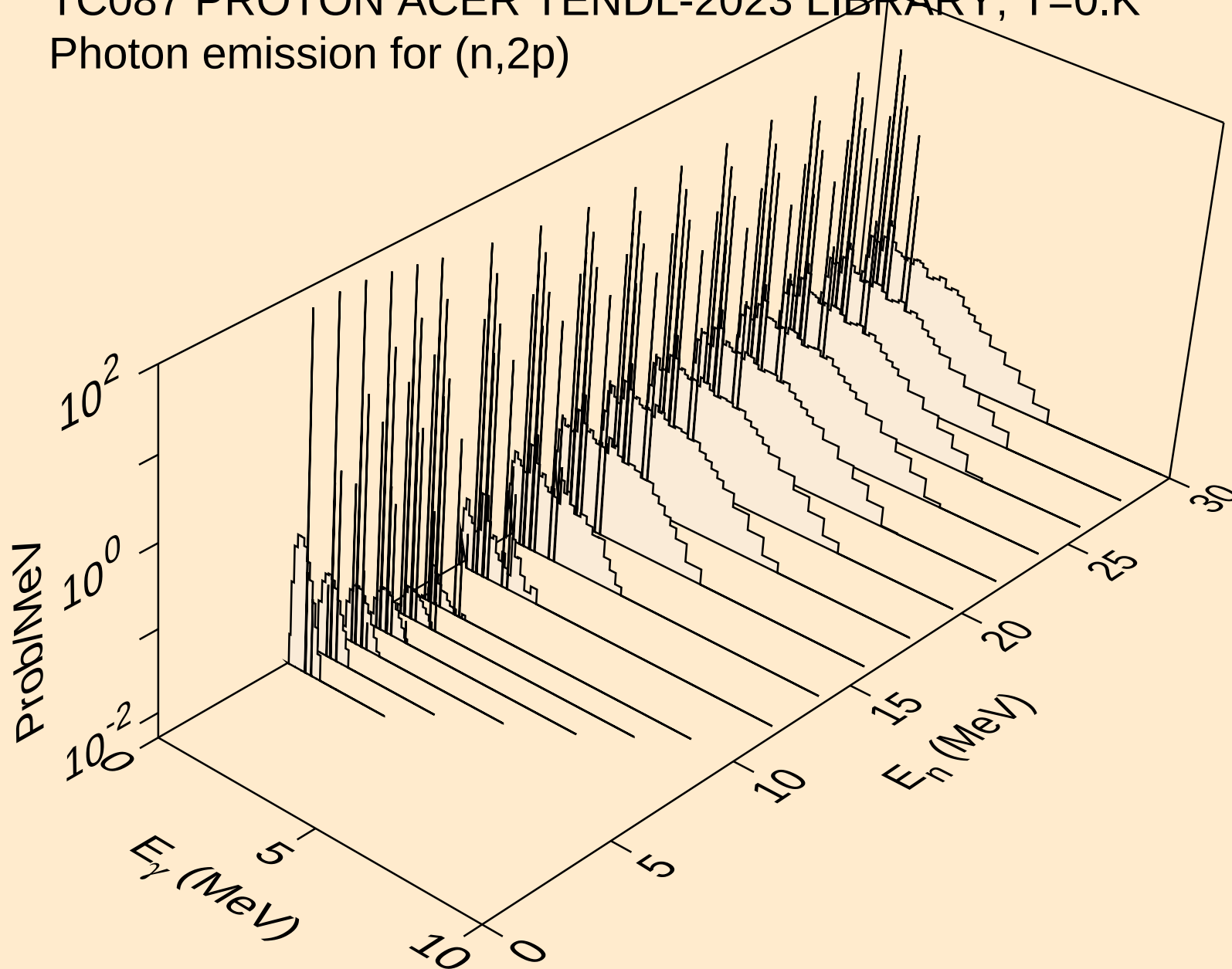
TC087 PROTON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,a)



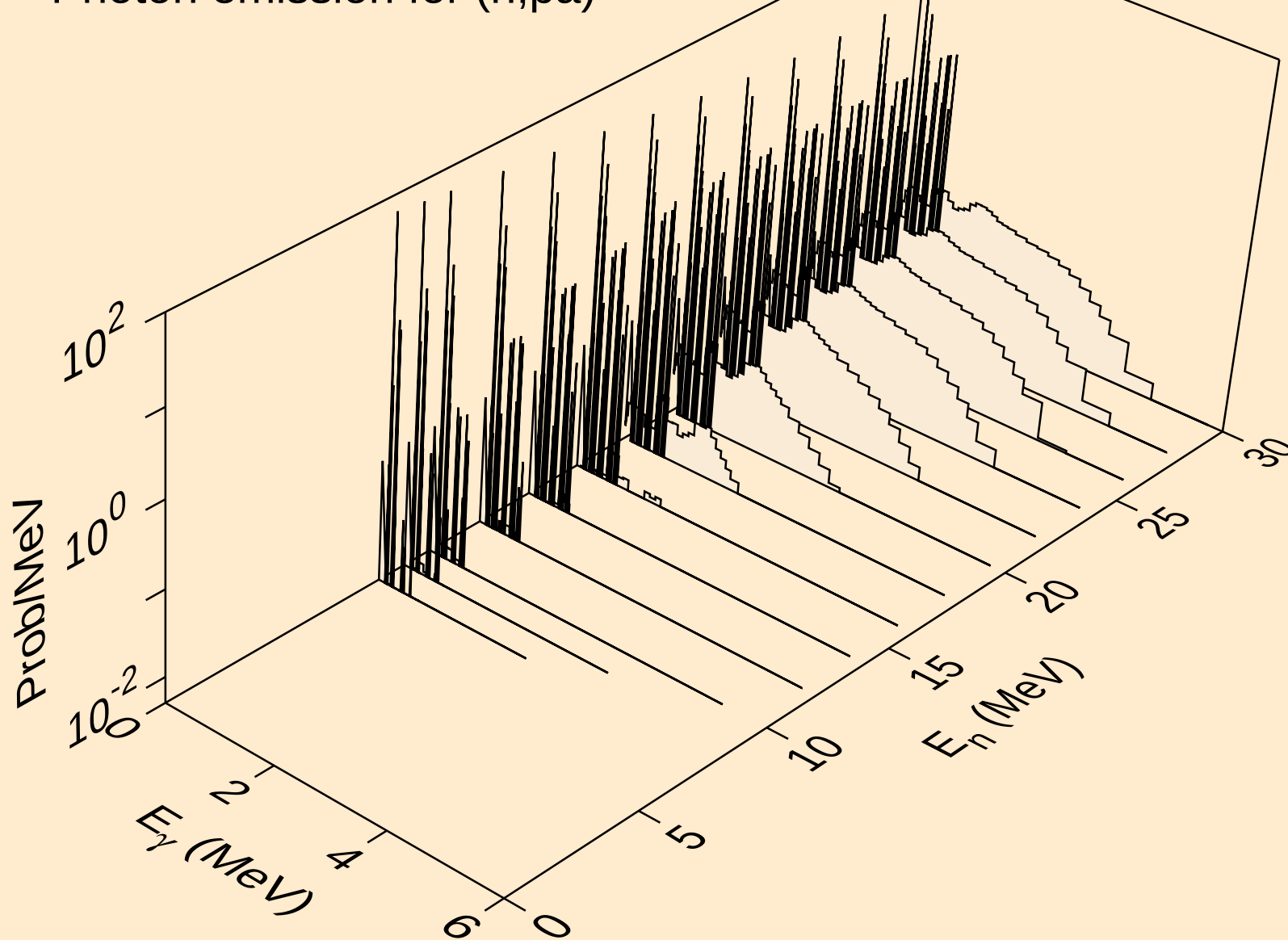
TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



TC087 PROTON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,2p)

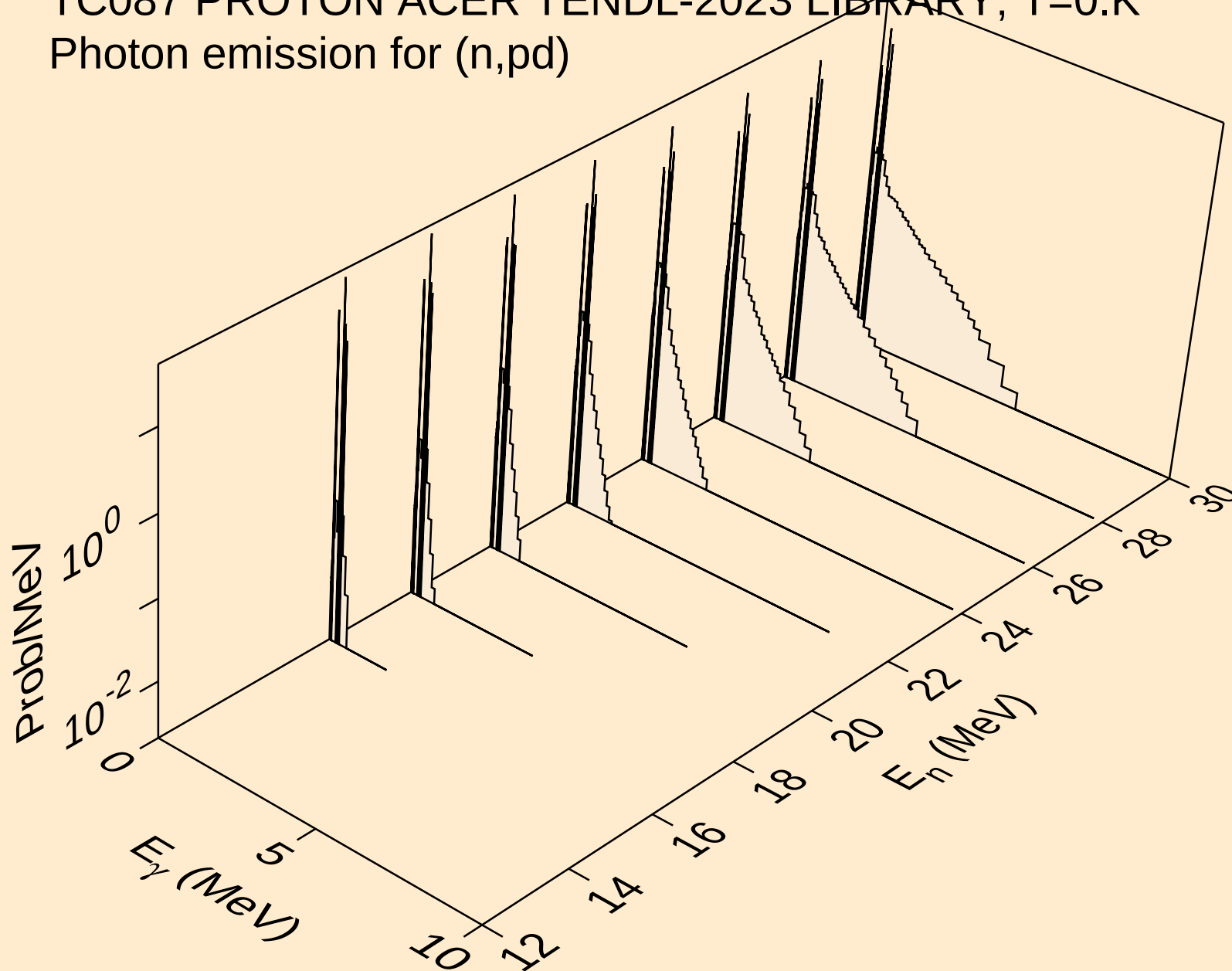


TC087 PROTON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,p $\alpha$ )



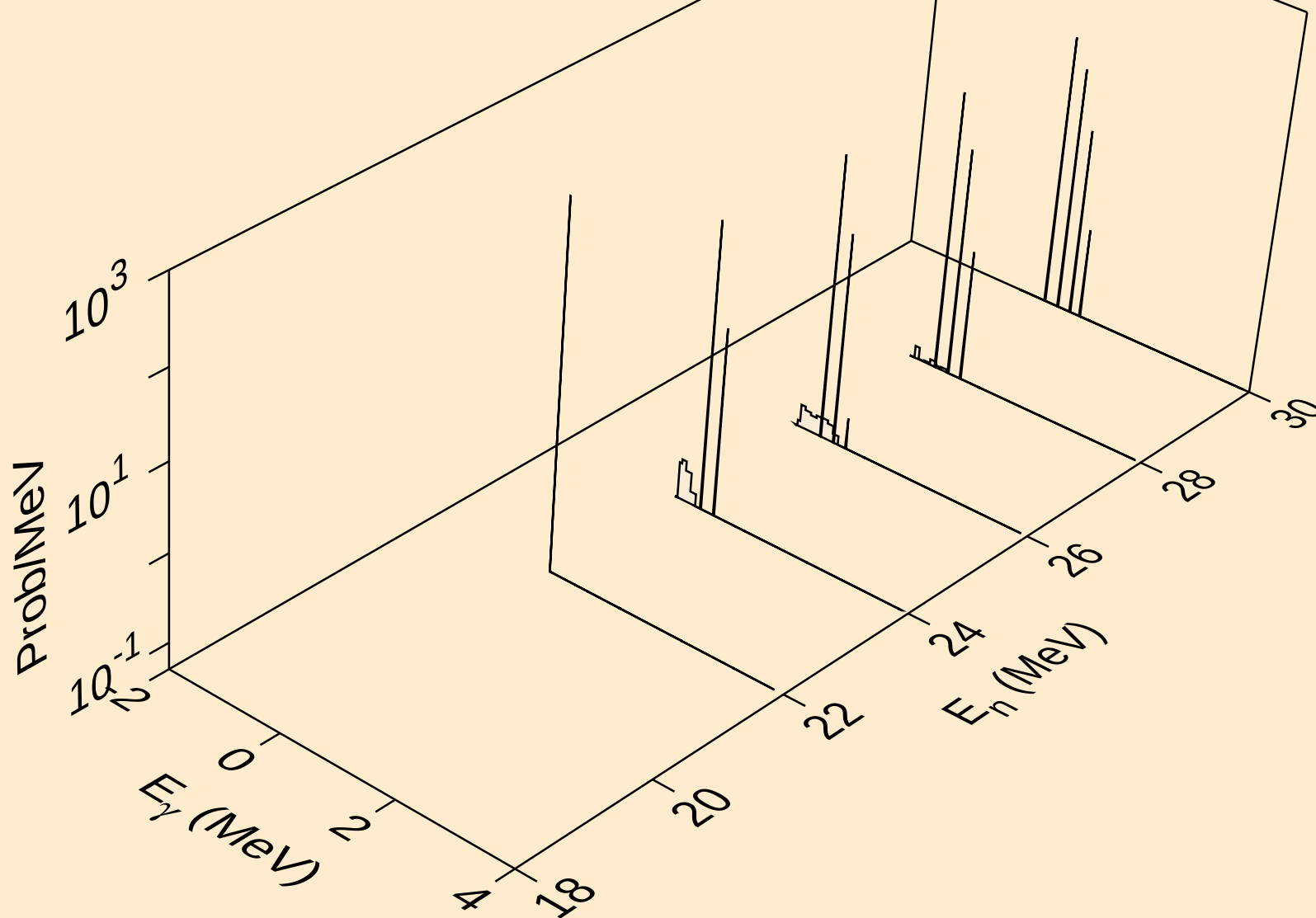
TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,pd)

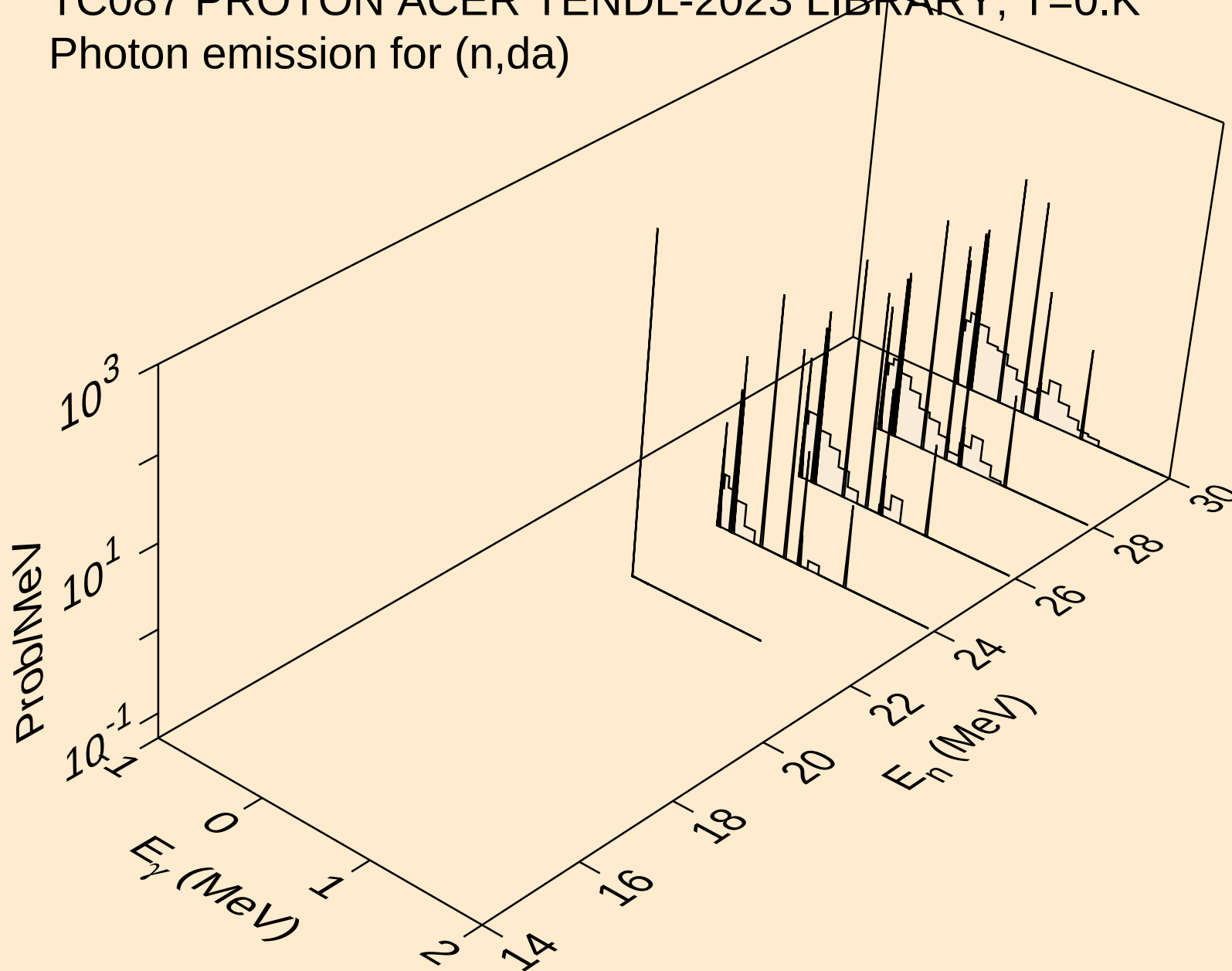


TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,pt)

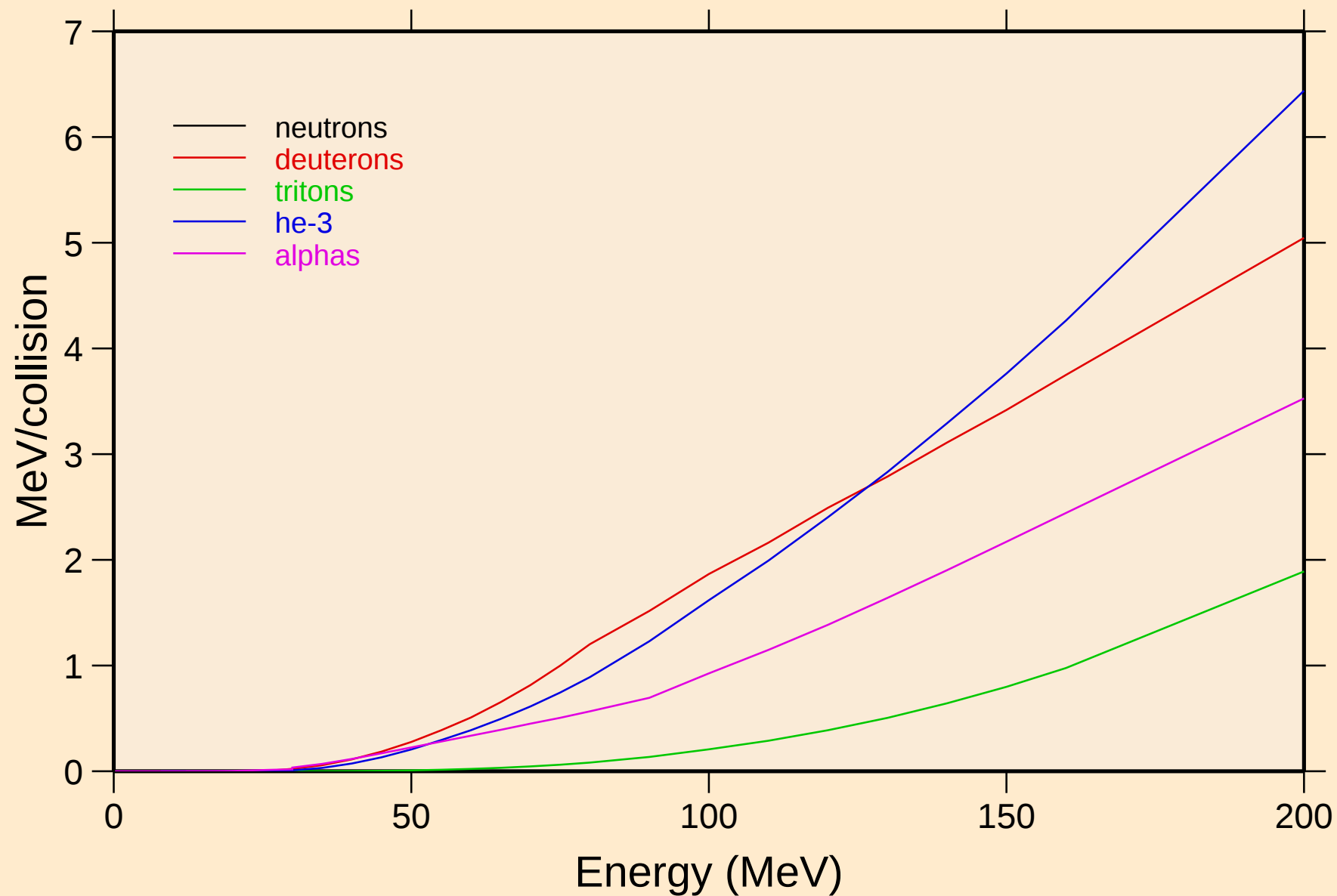


TC087 PROTON ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,da)



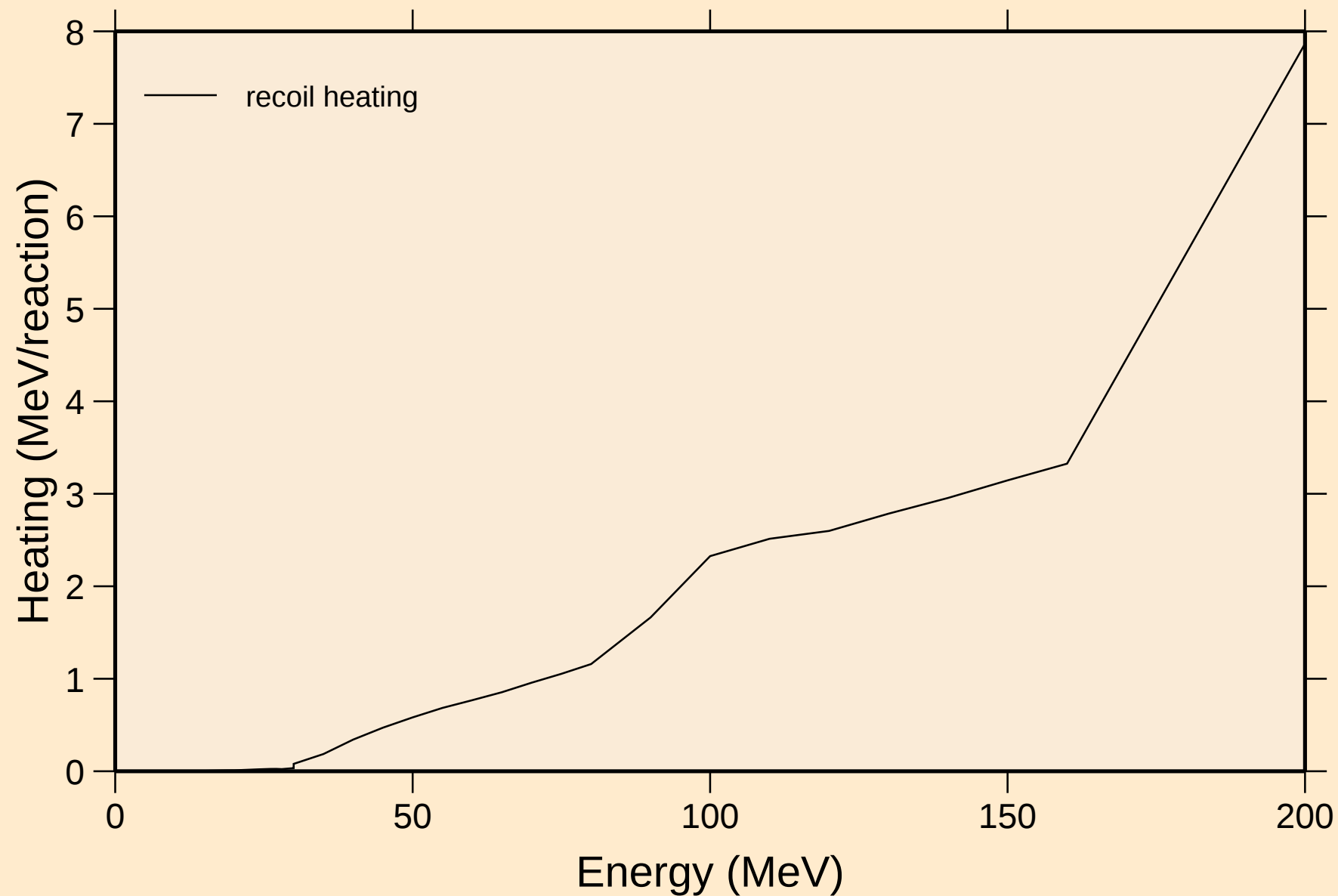
# TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



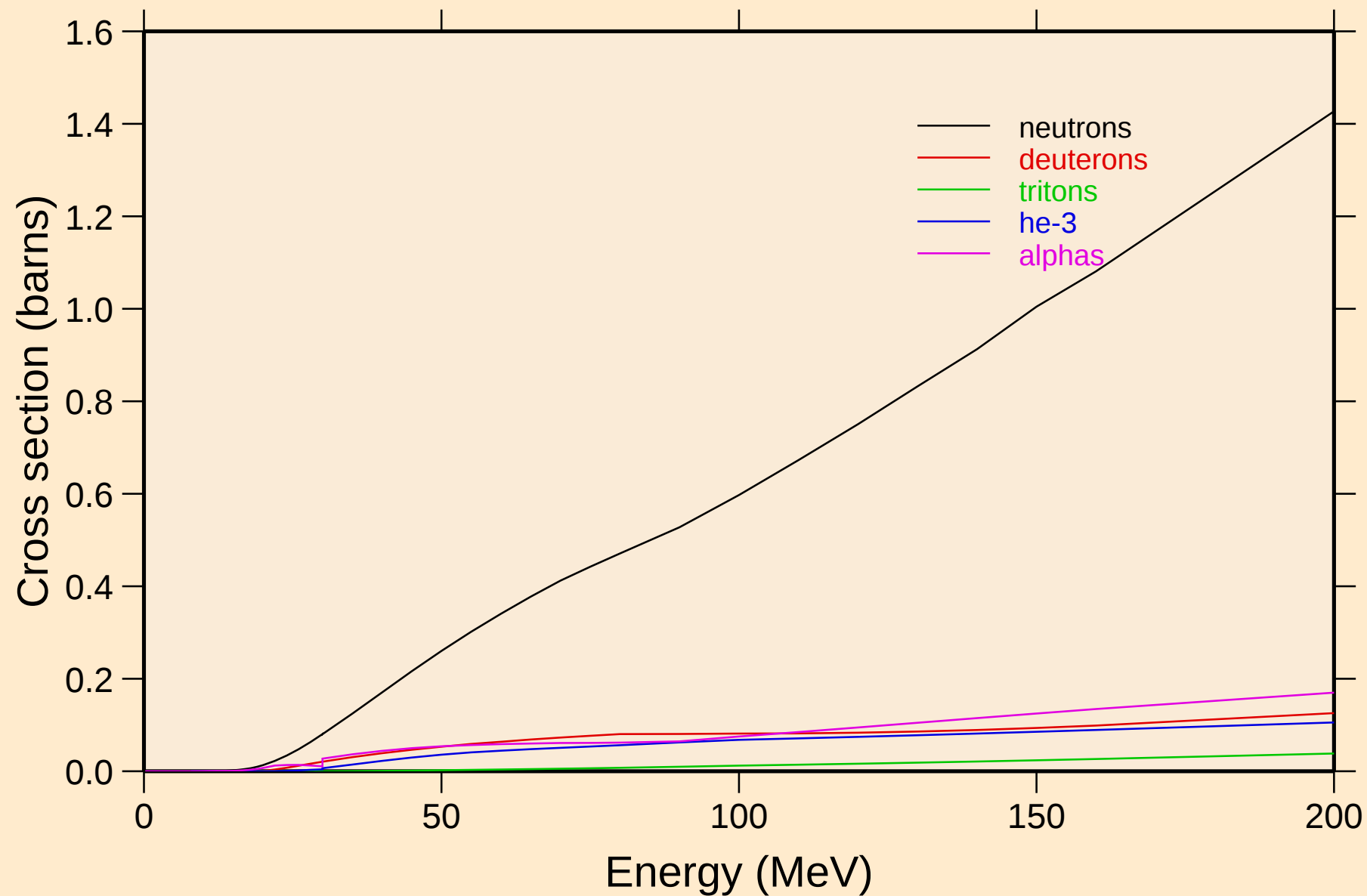
TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Recoil Heating

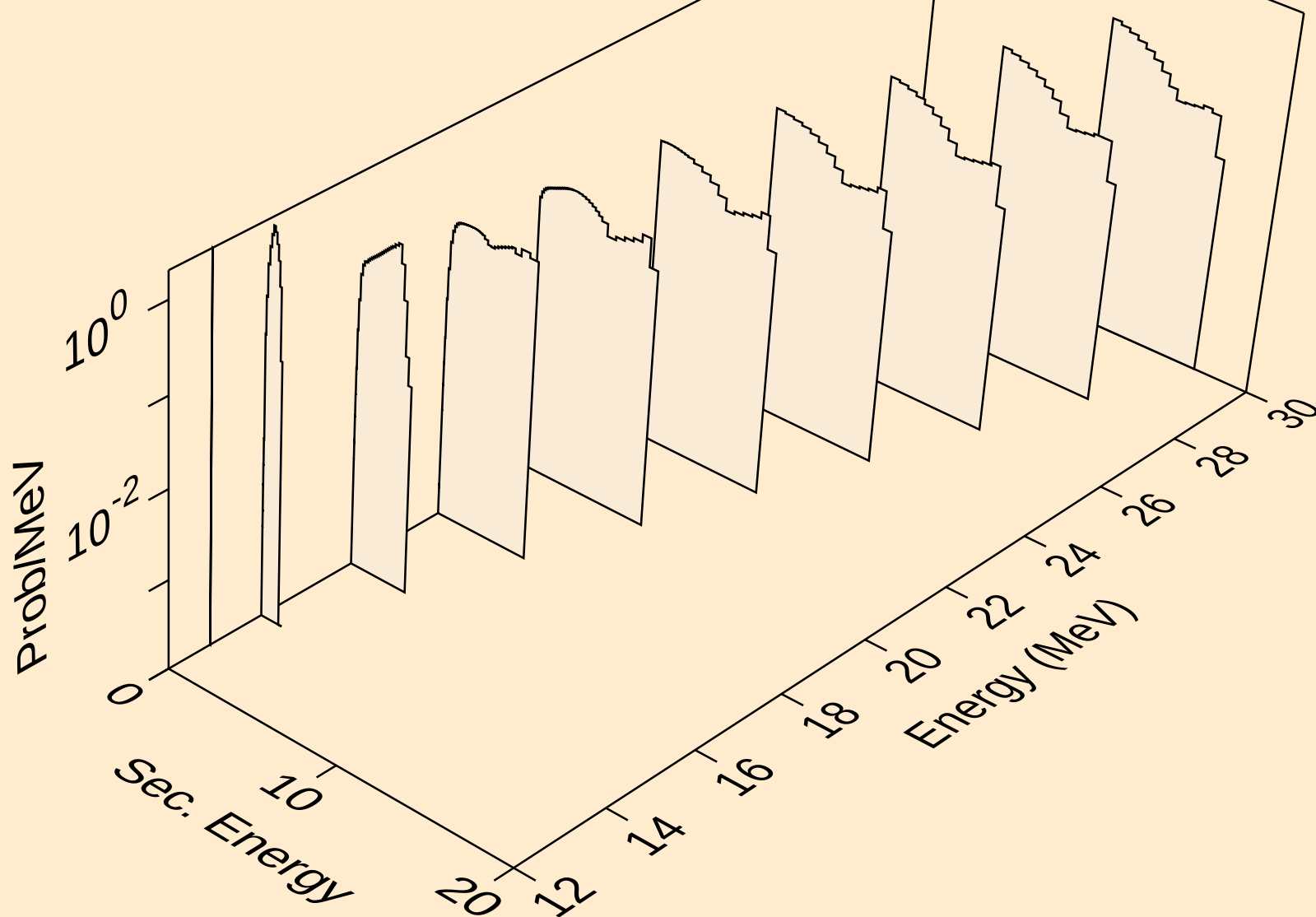


# TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K

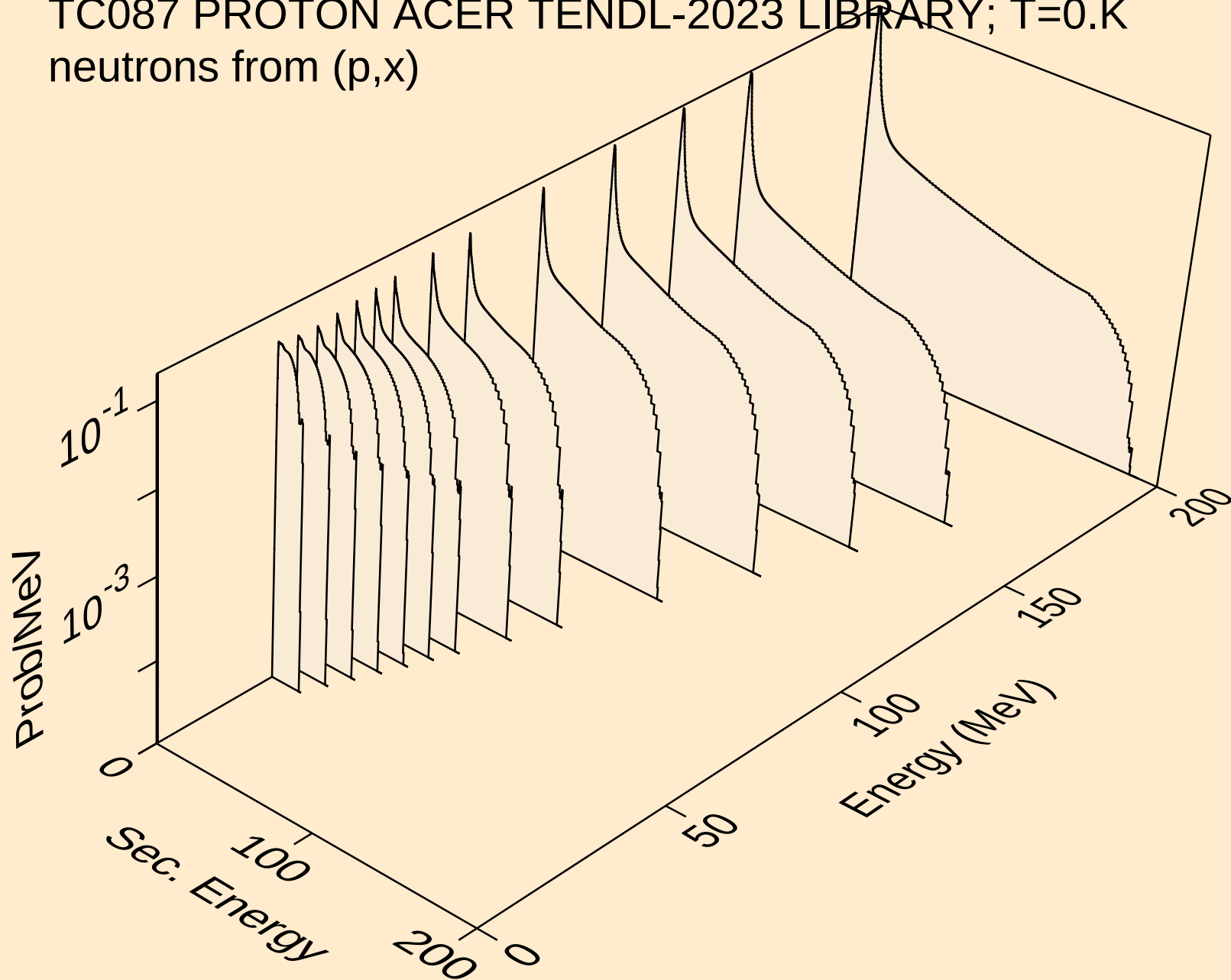
## Particle production cross sections



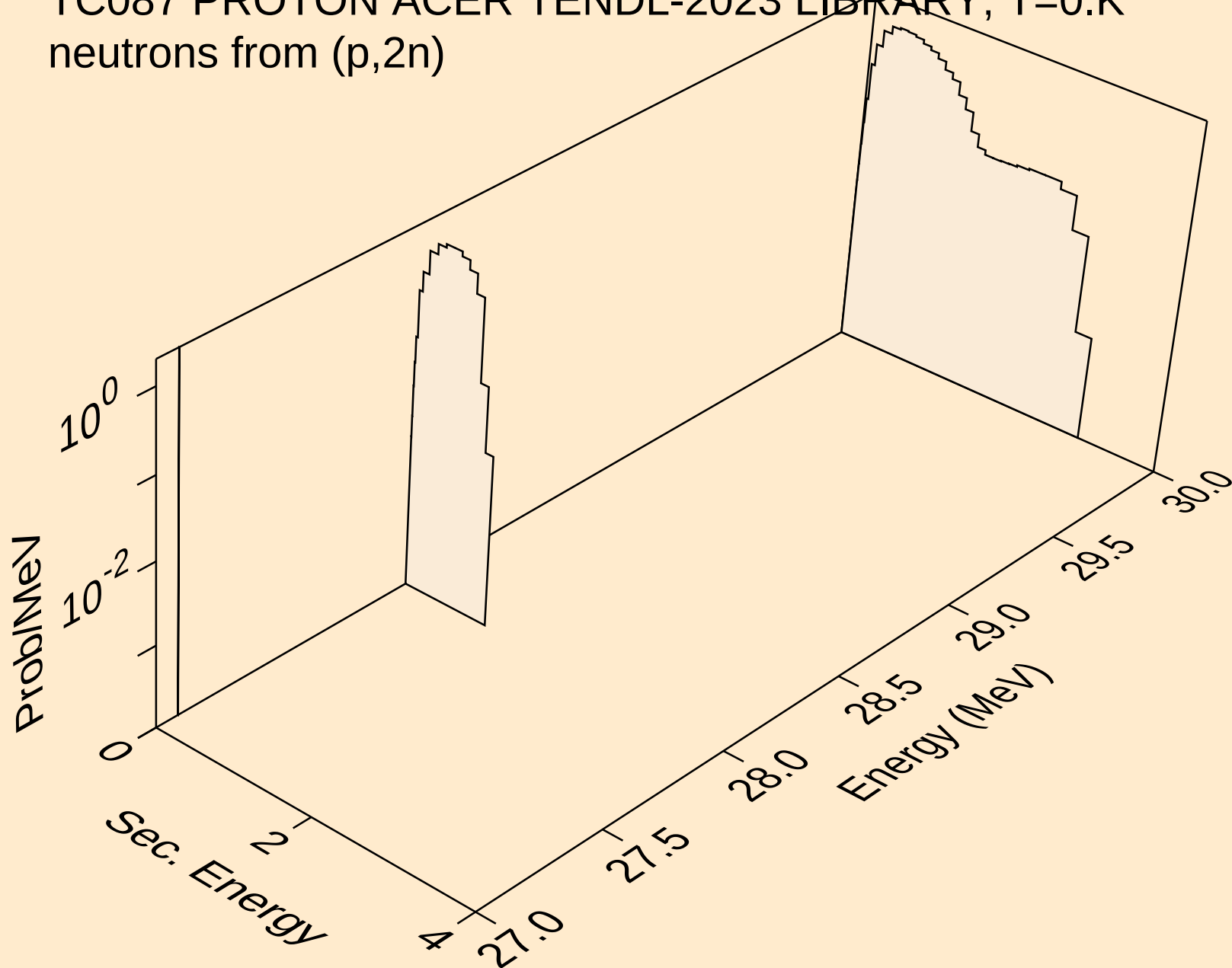
TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



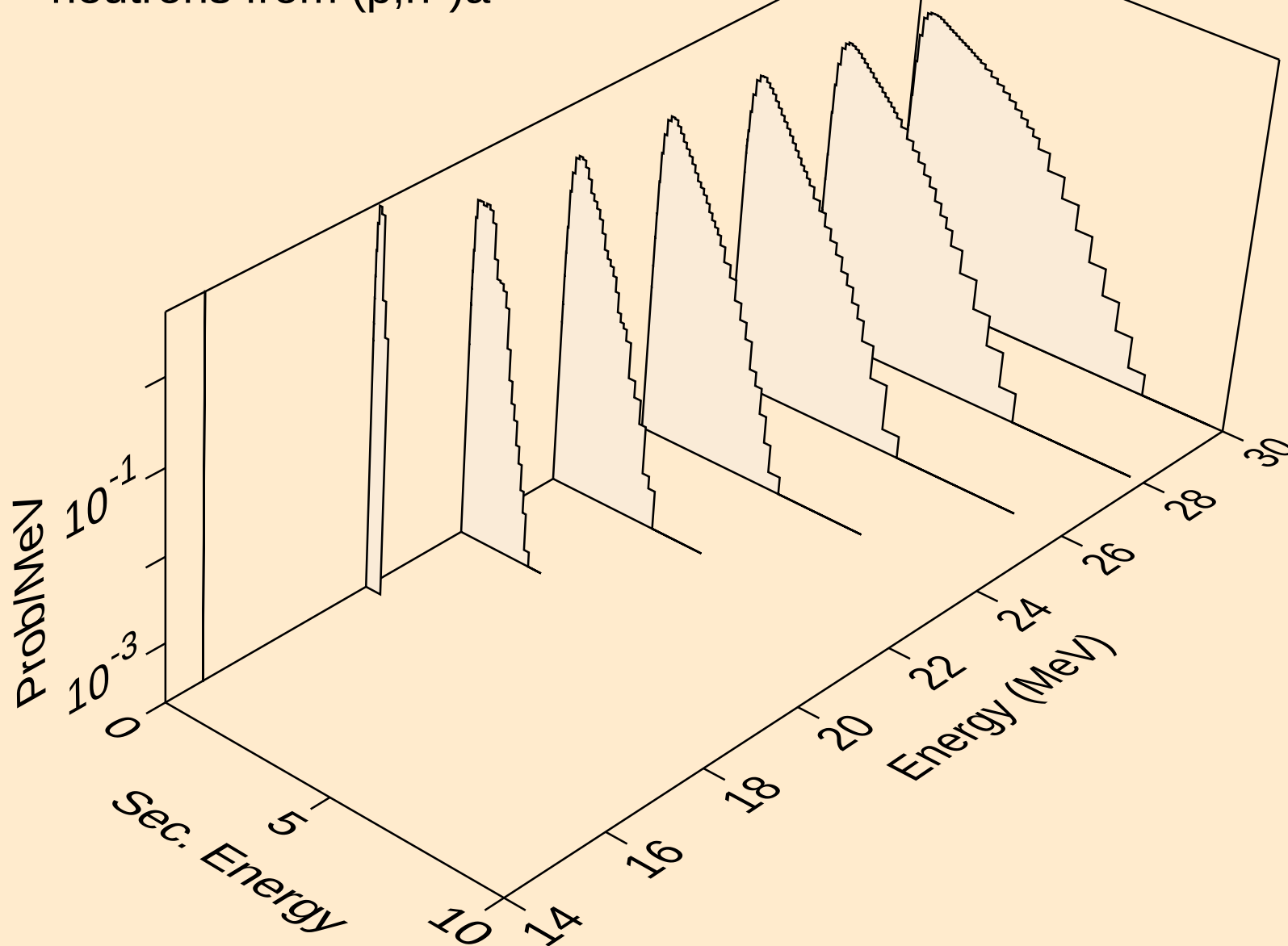
TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)



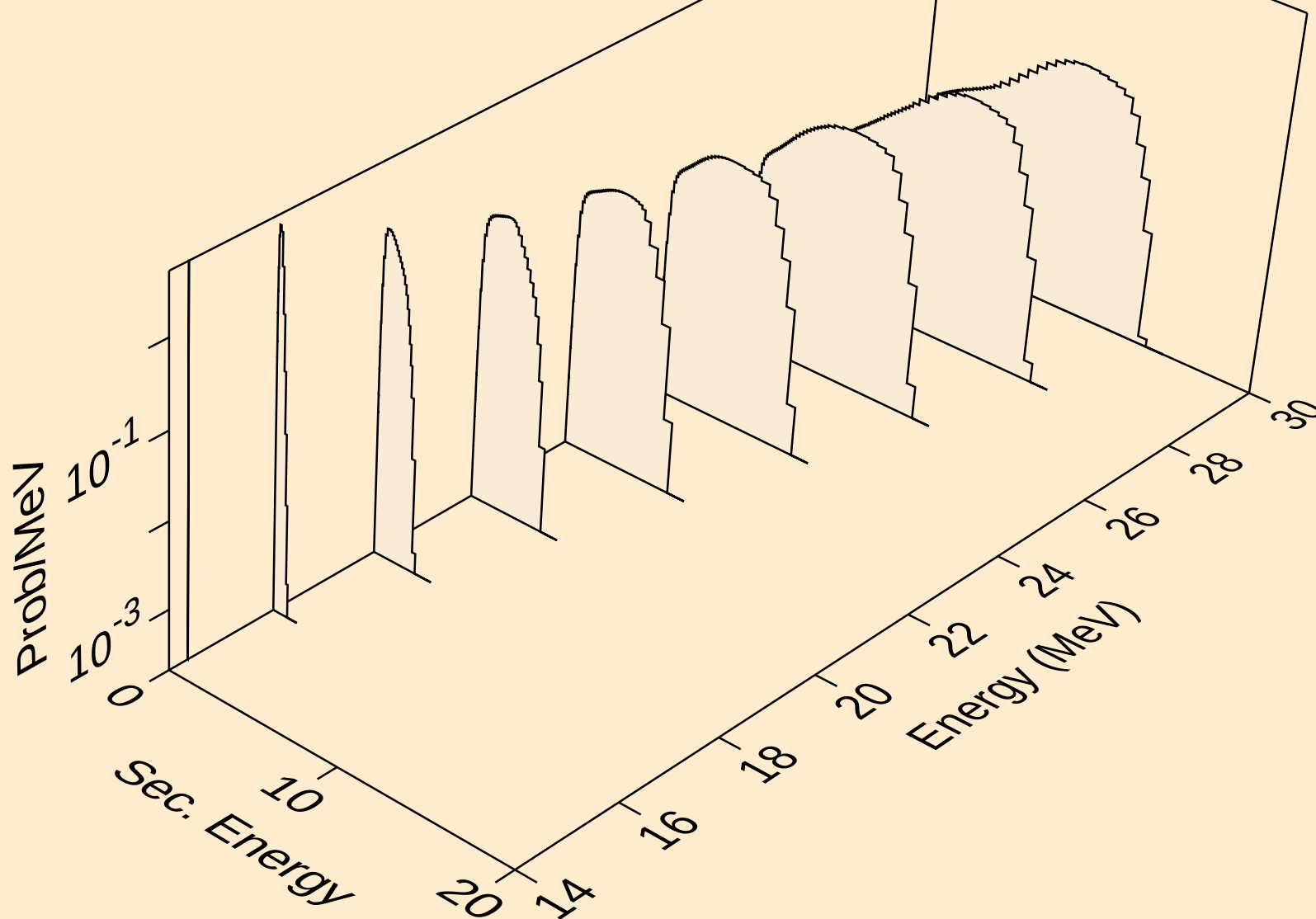
TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)



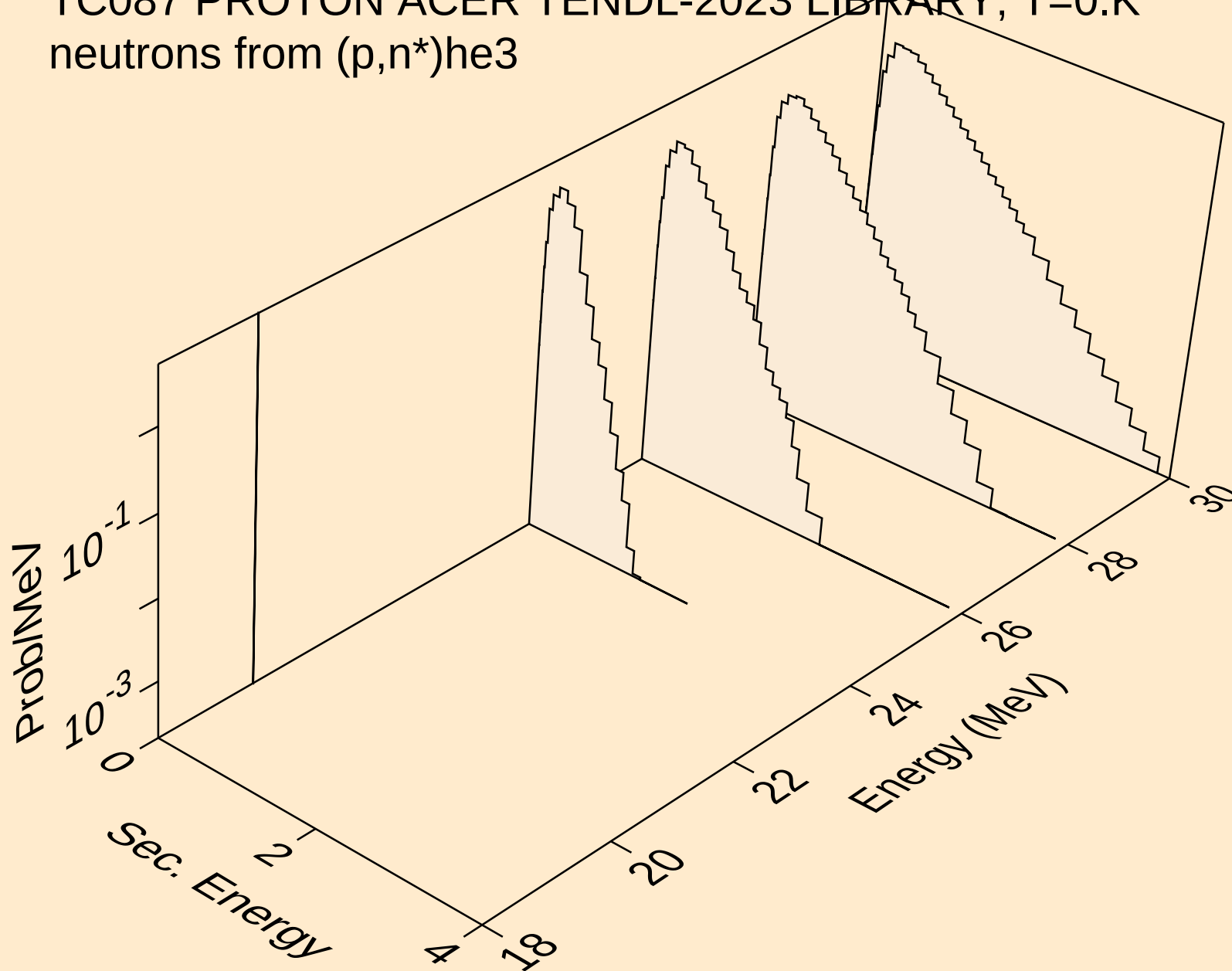
TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a



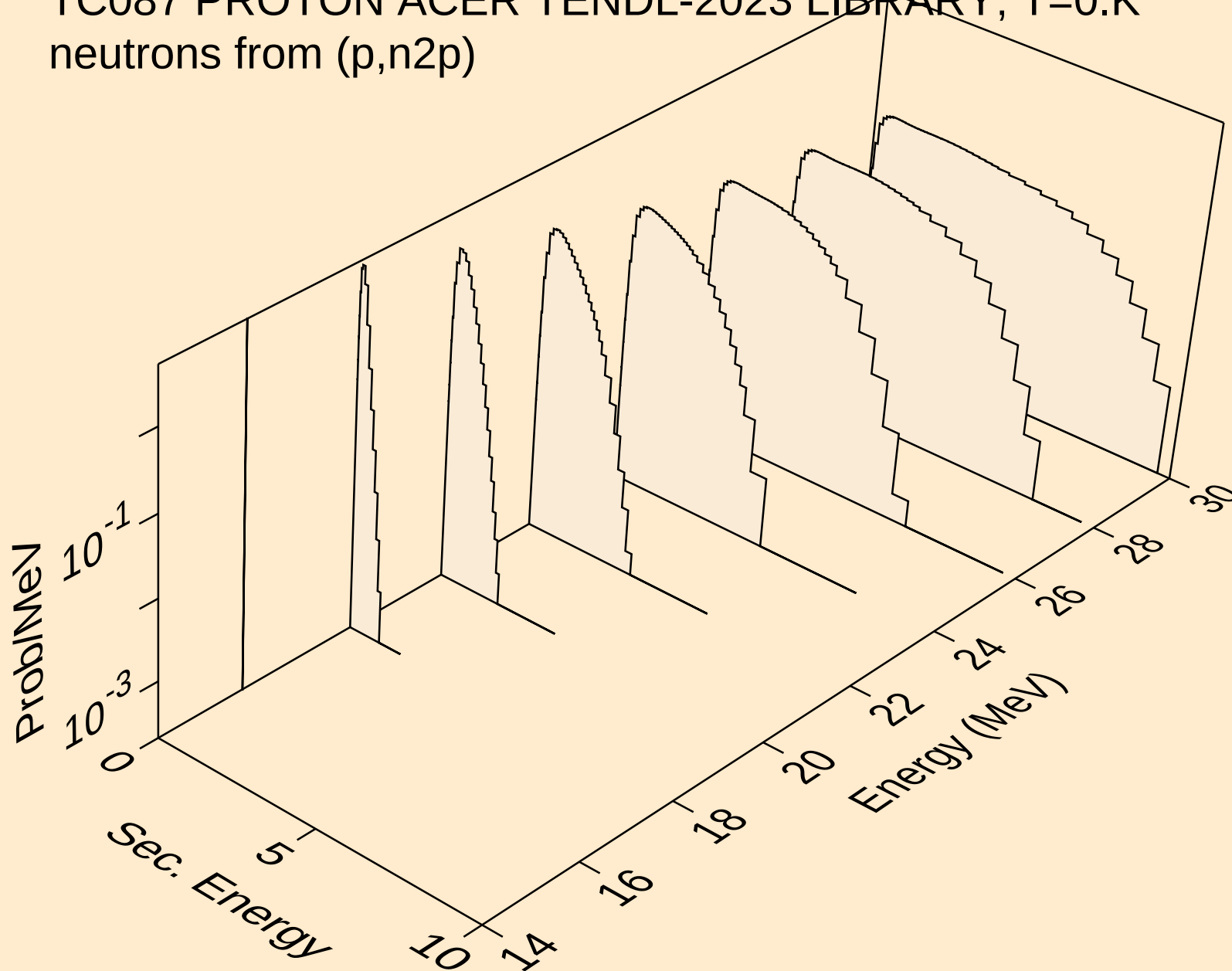
TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)p



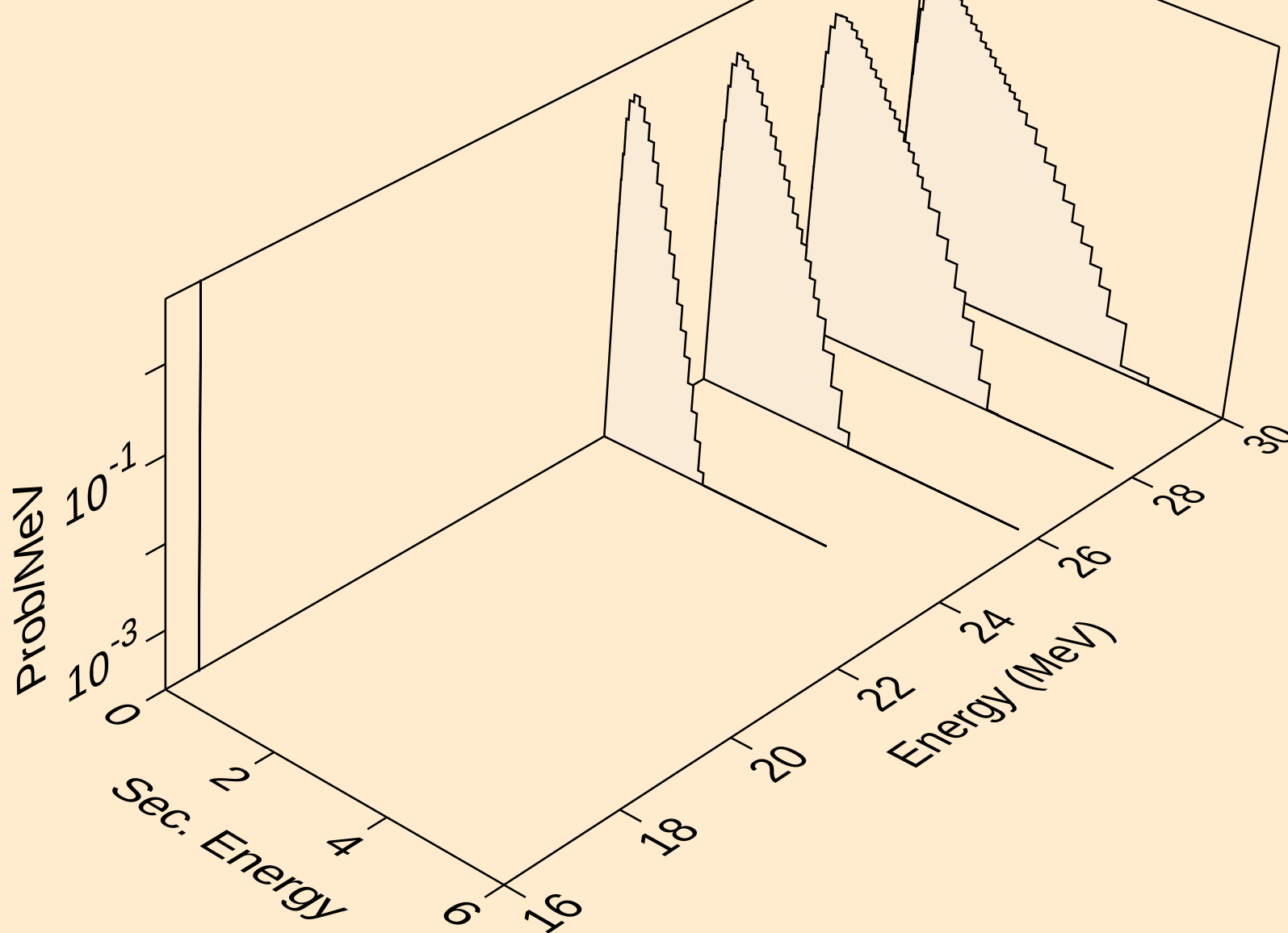
TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



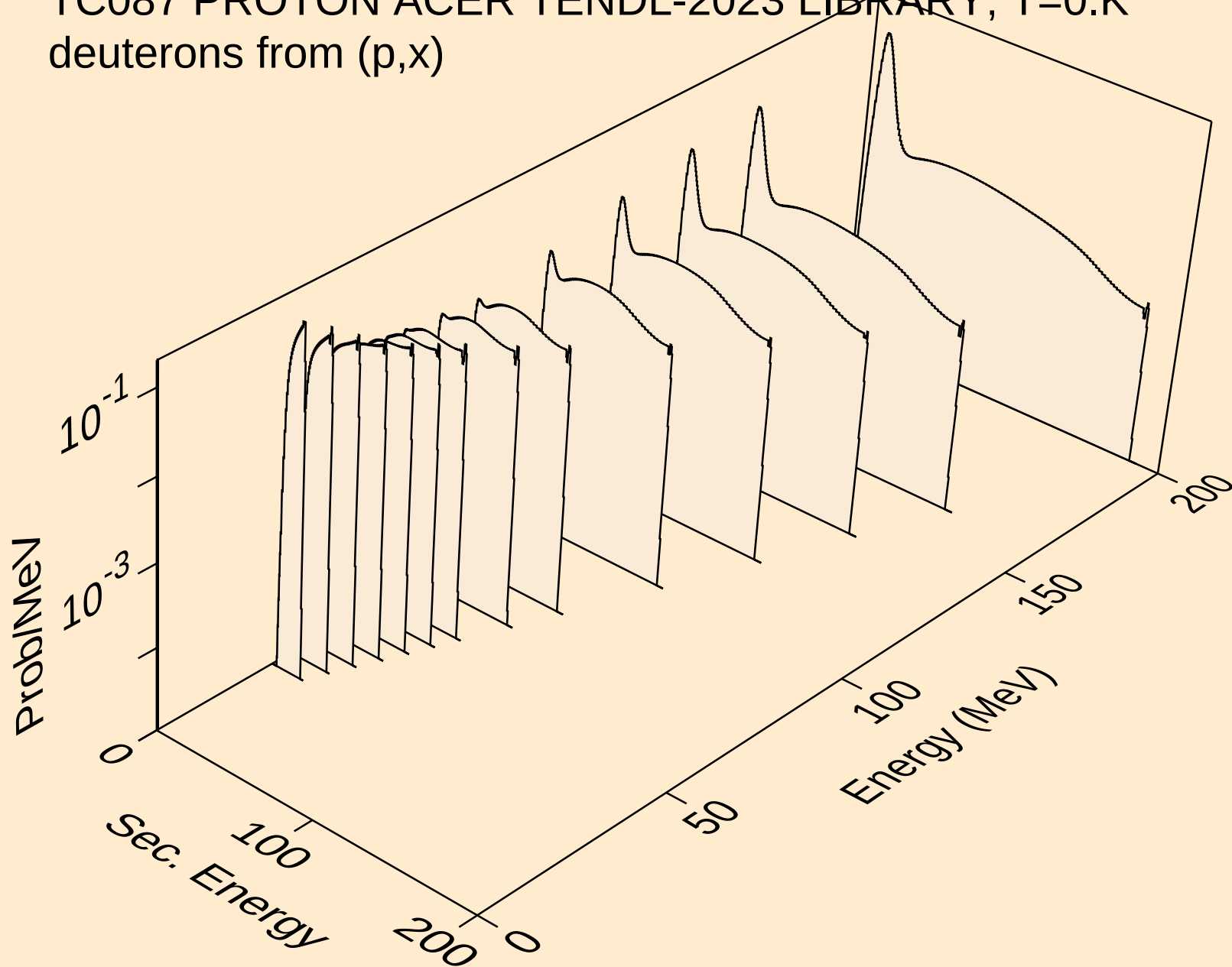
TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n2p)



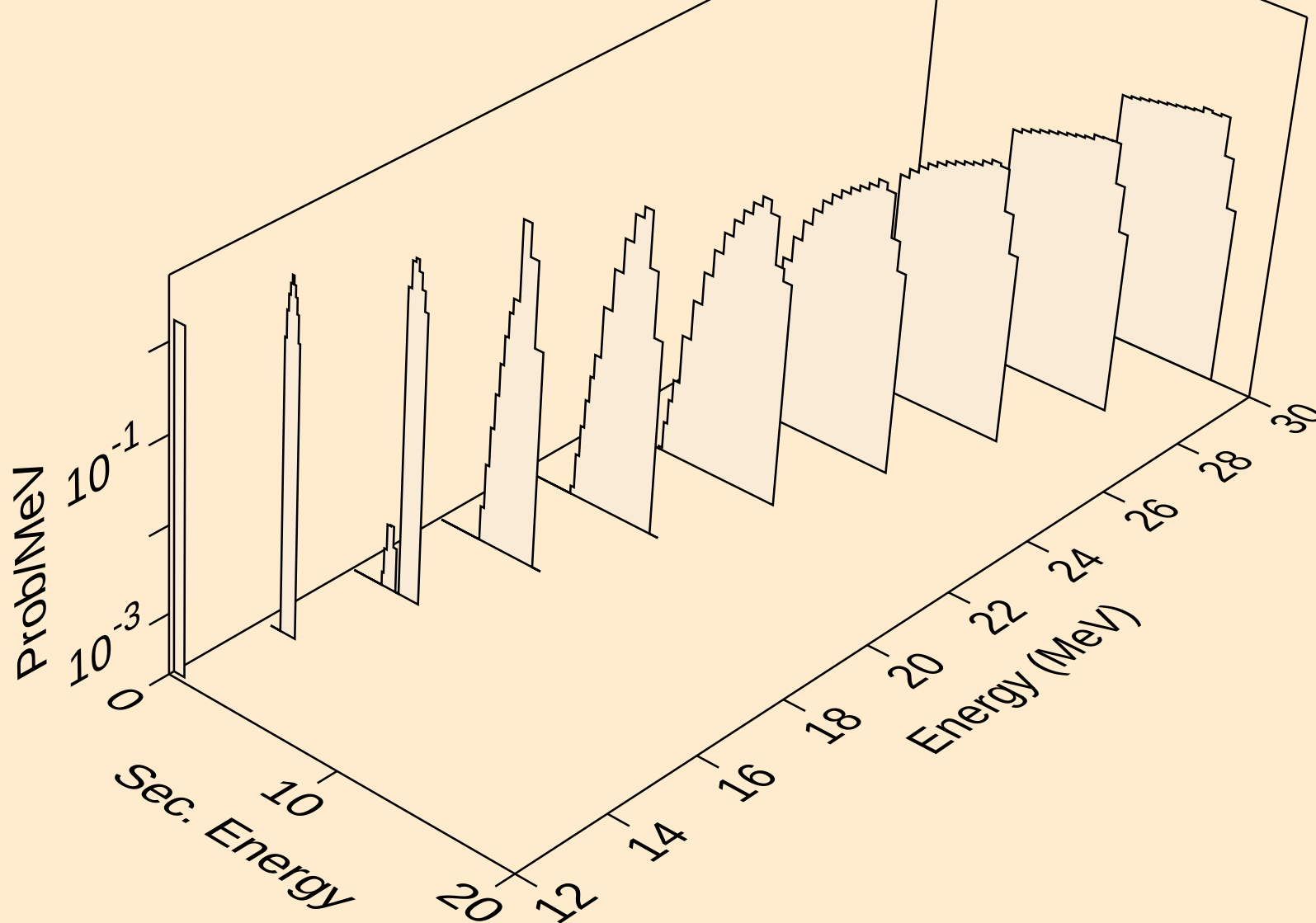
TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,npa)



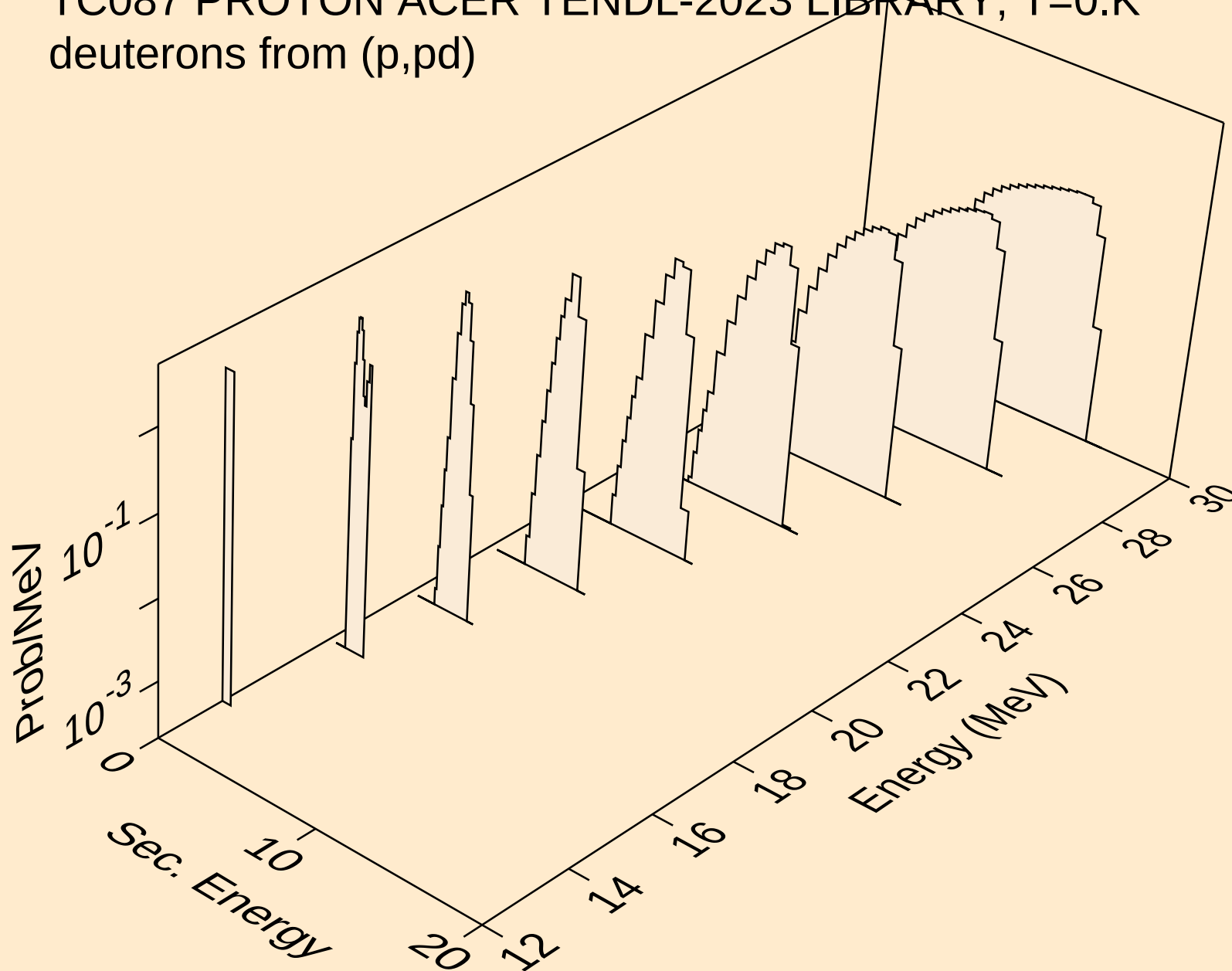
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deuterons from (p,x)



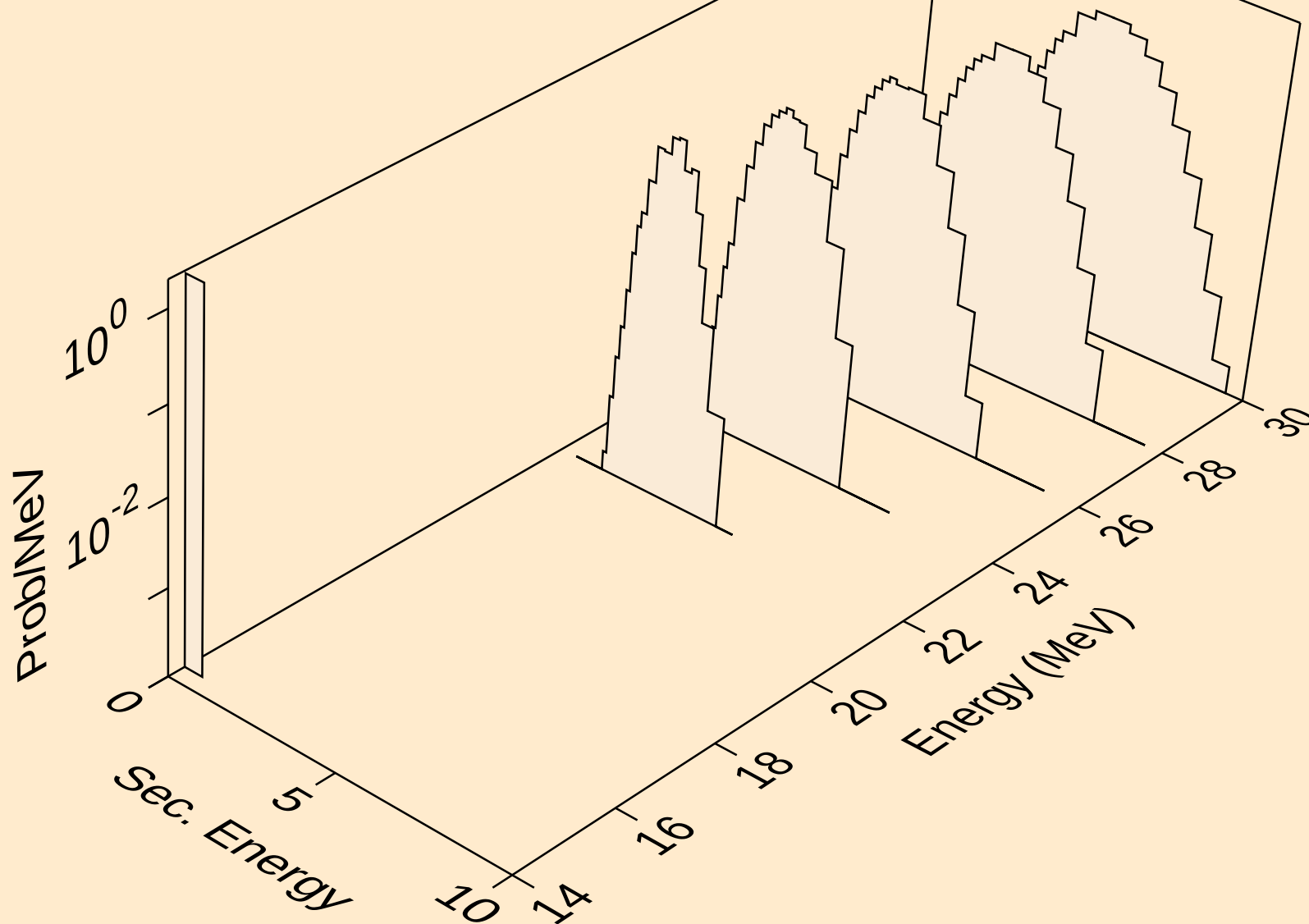
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deuterons from (p,d)



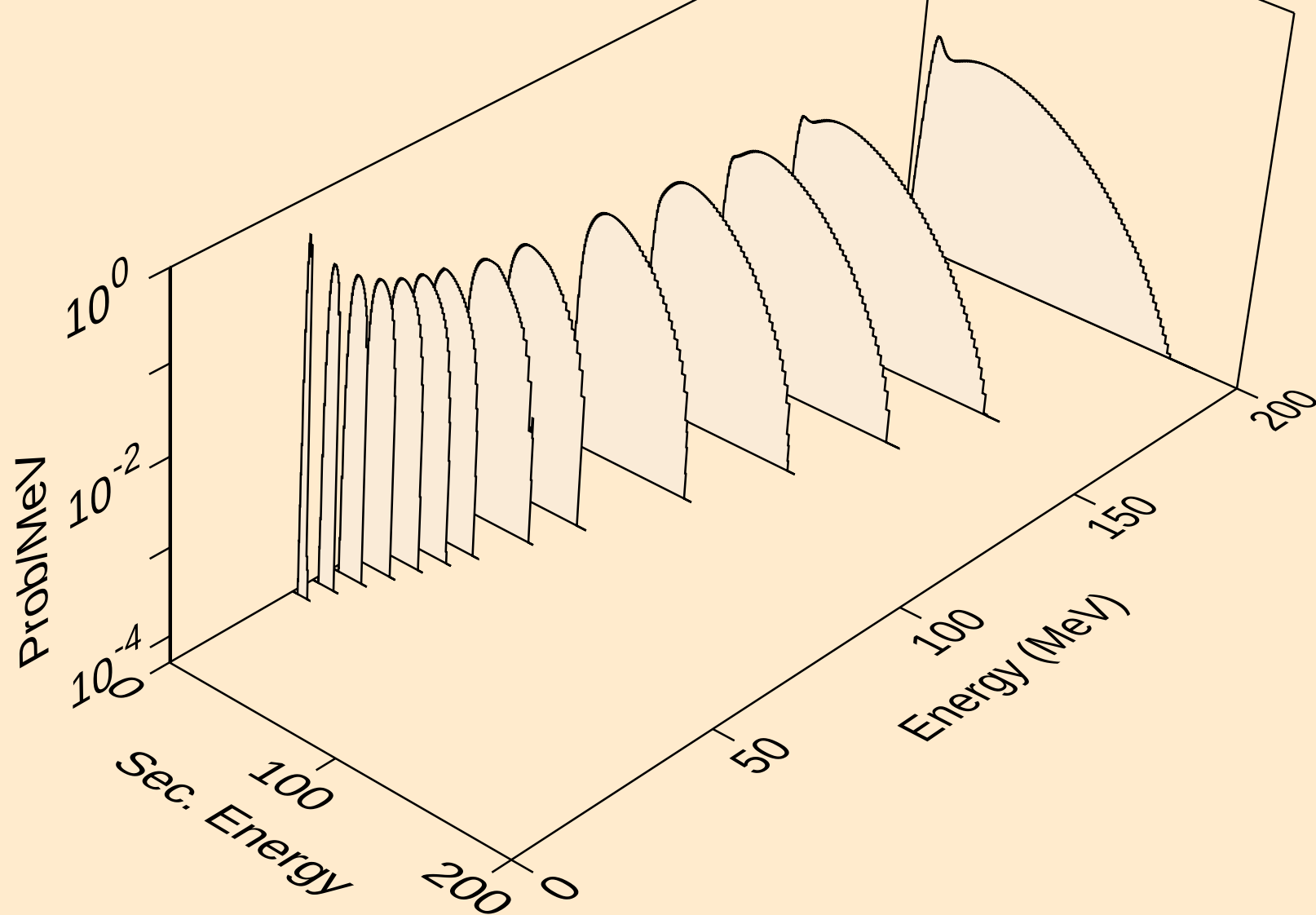
TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,pd)



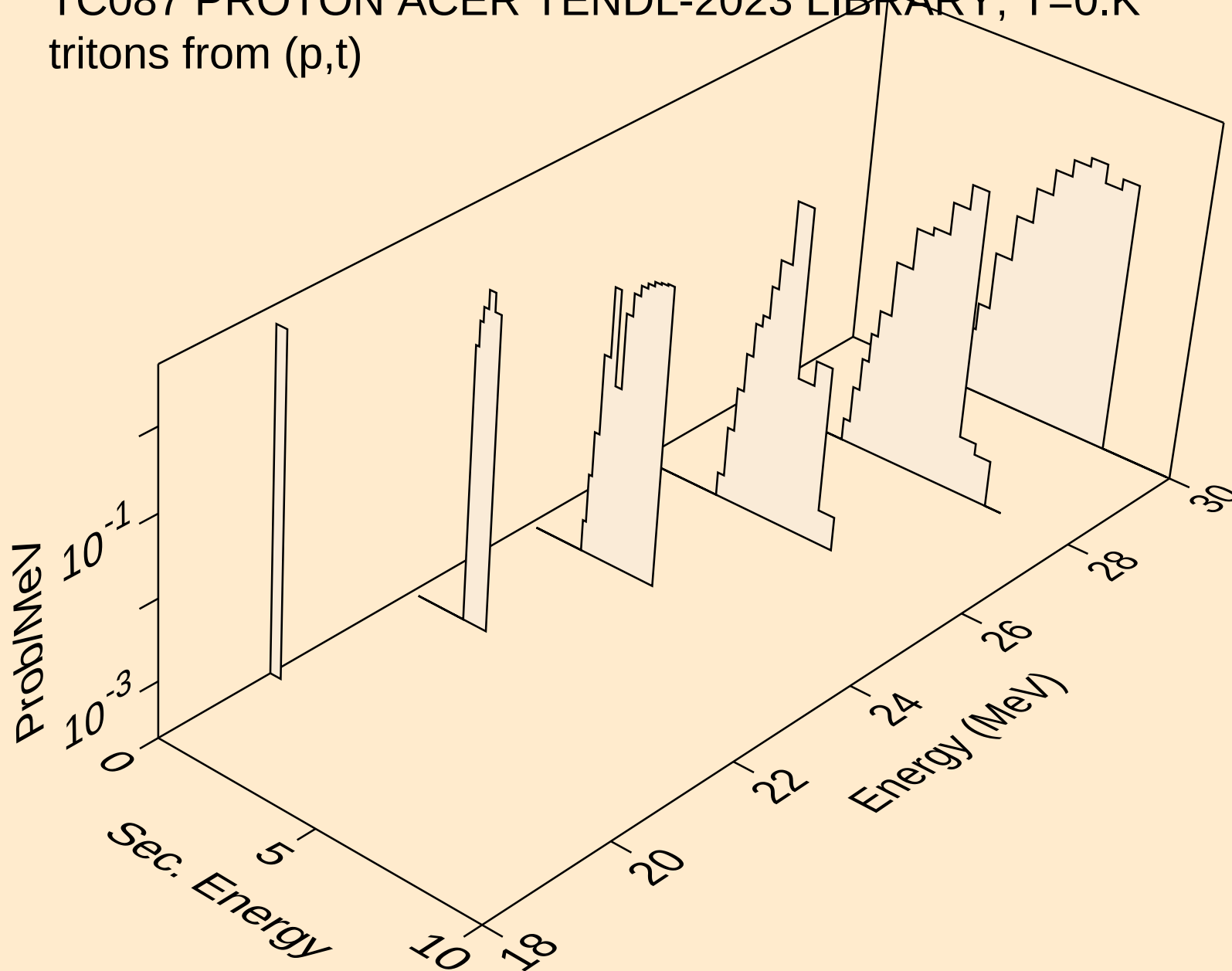
TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,da)



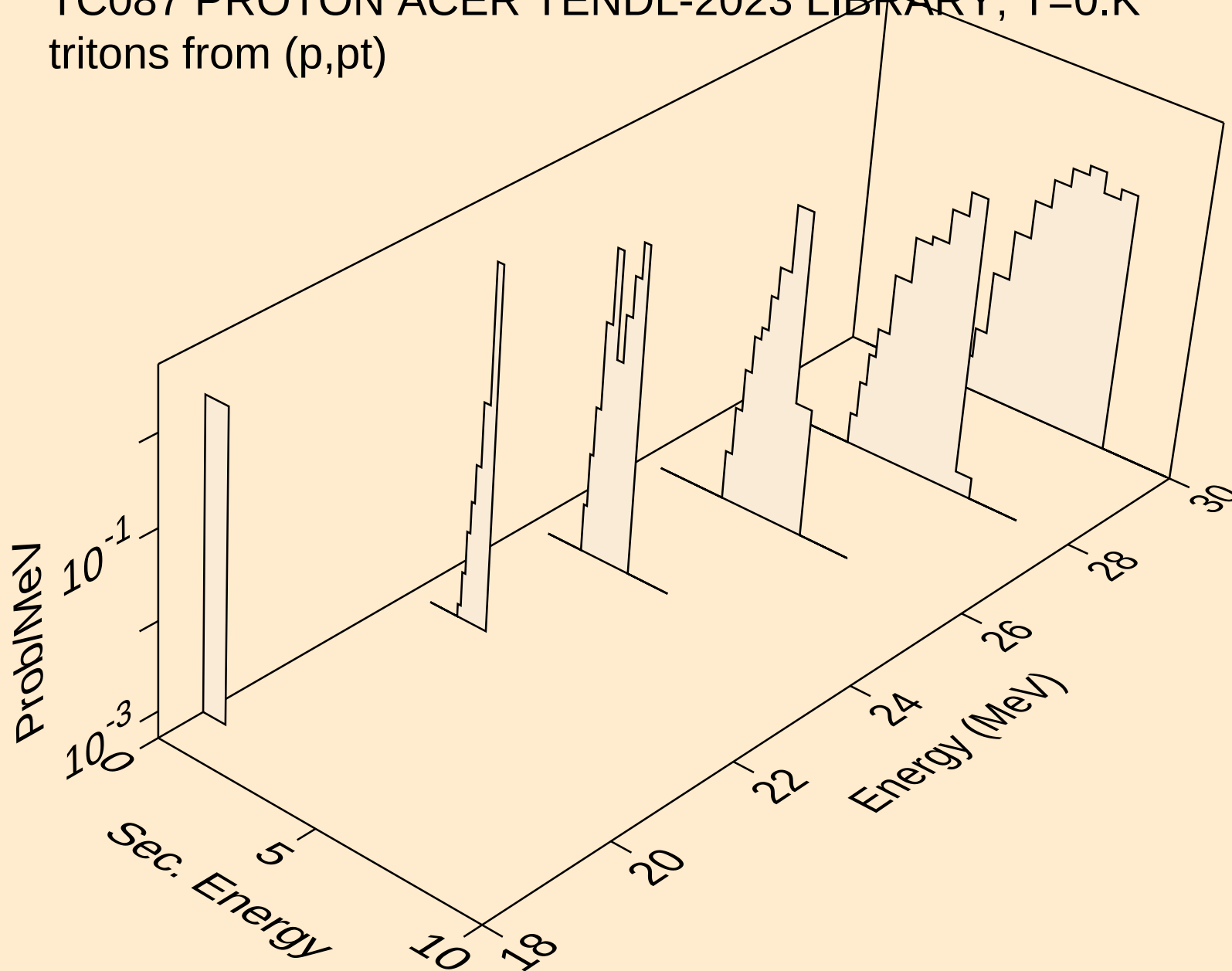
TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)



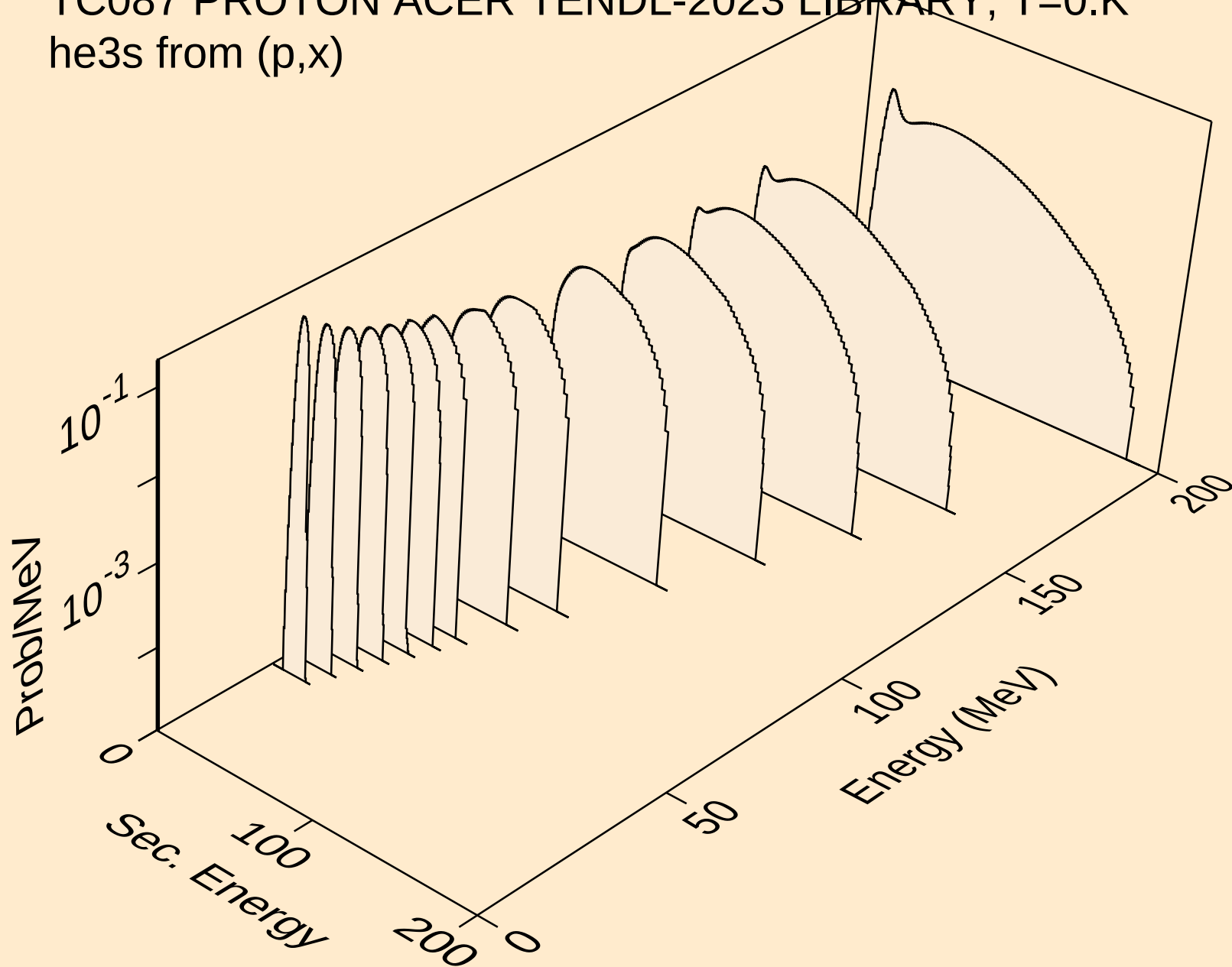
TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,t)



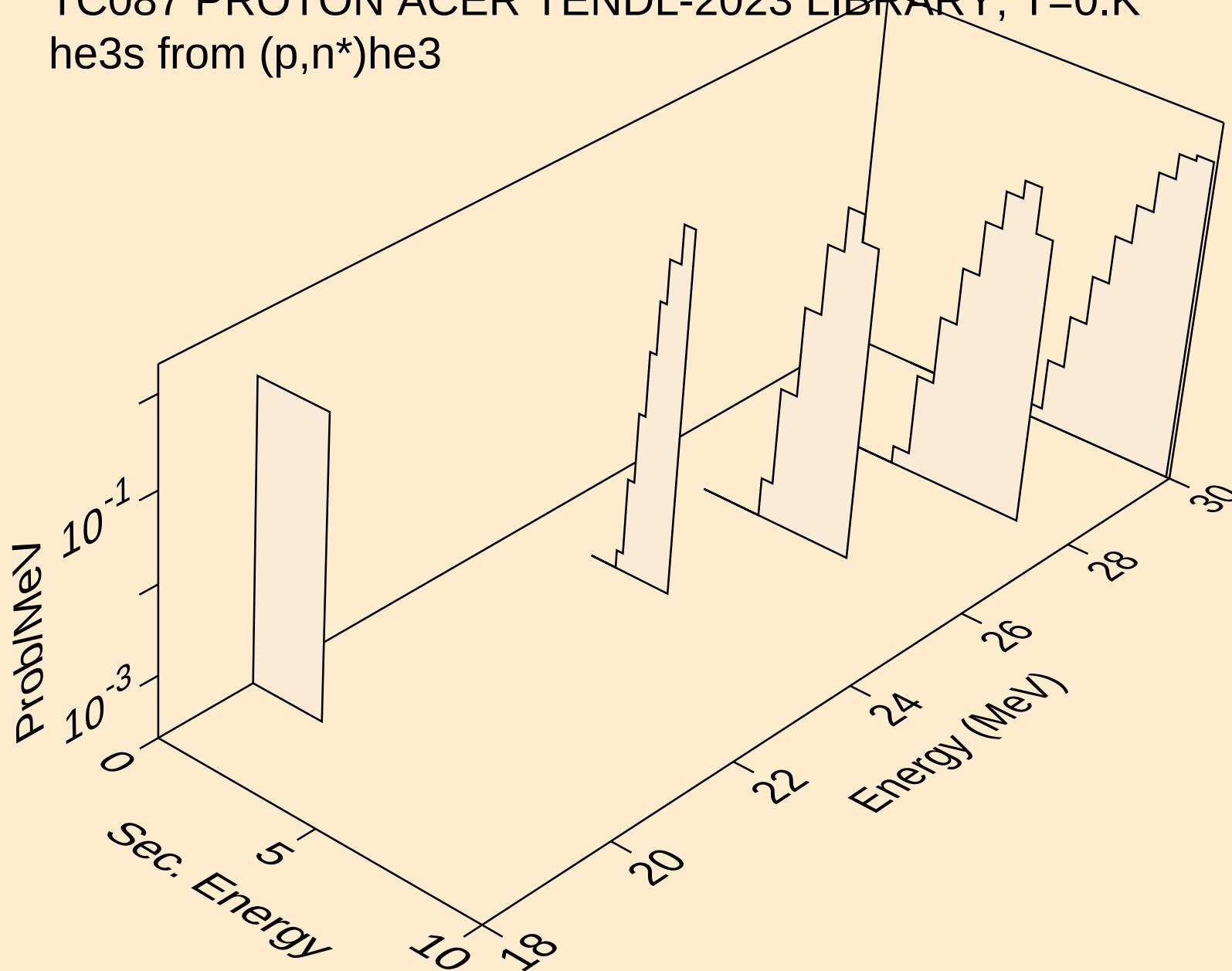
TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,pt)



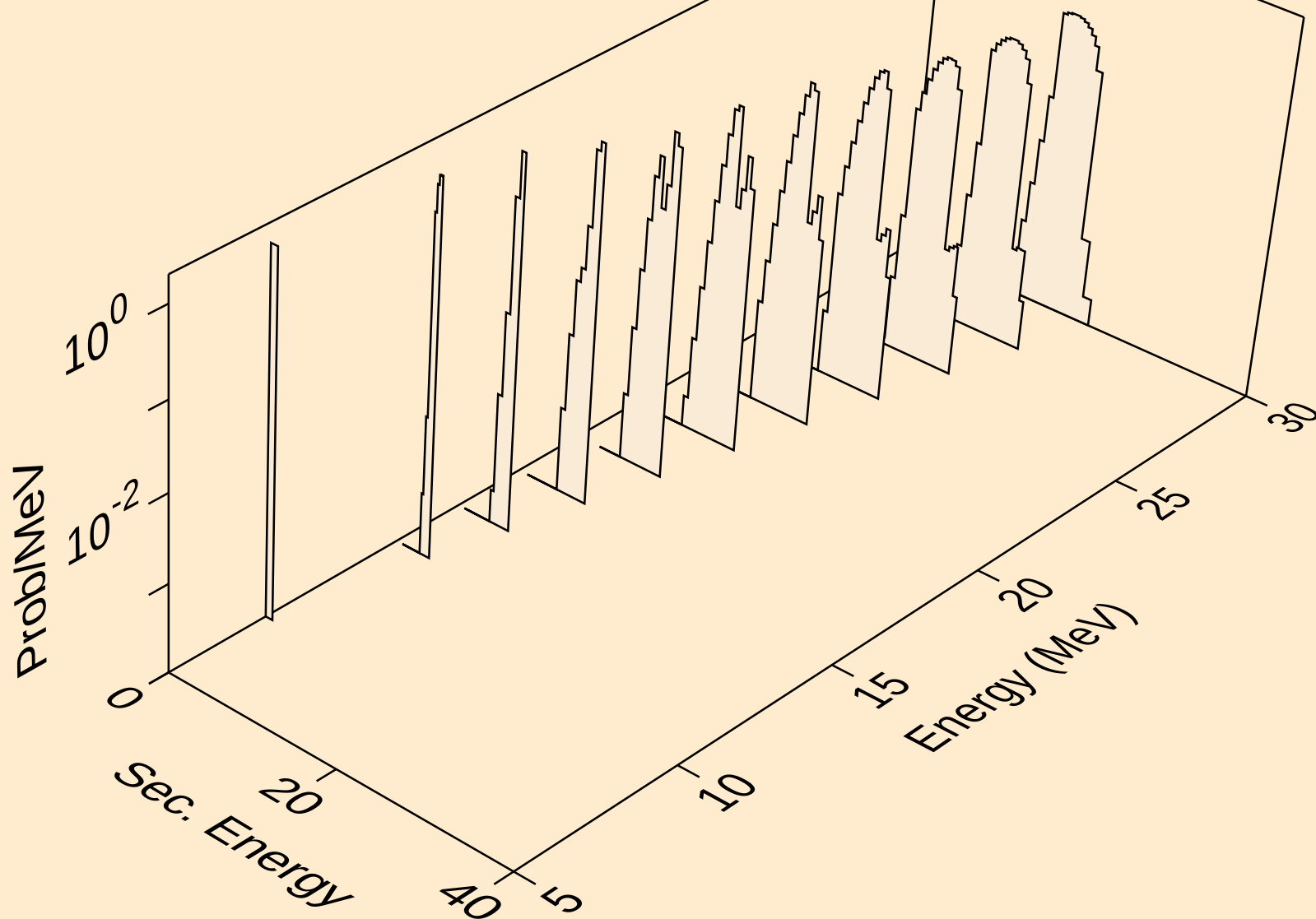
TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)



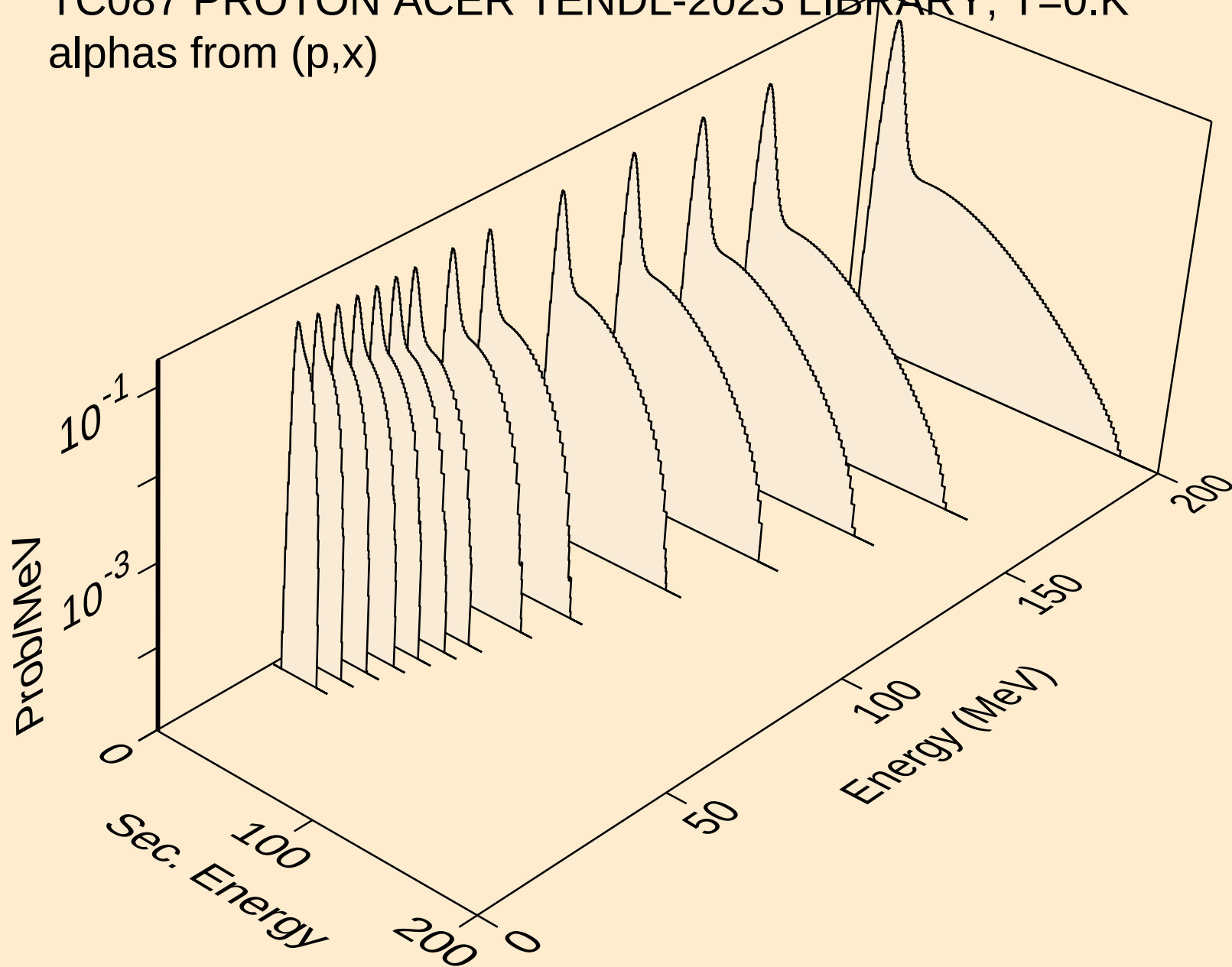
TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3



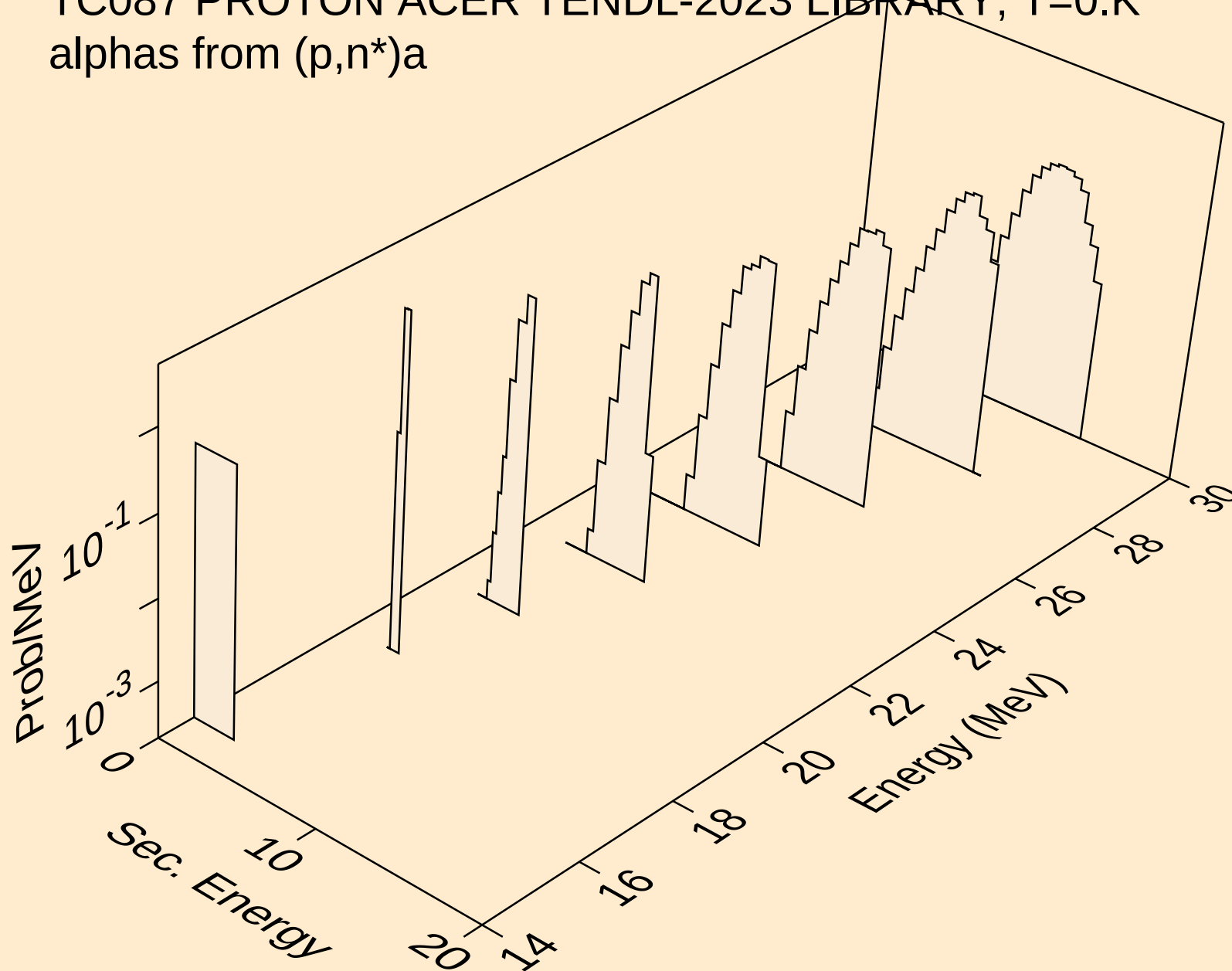
TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,he3)



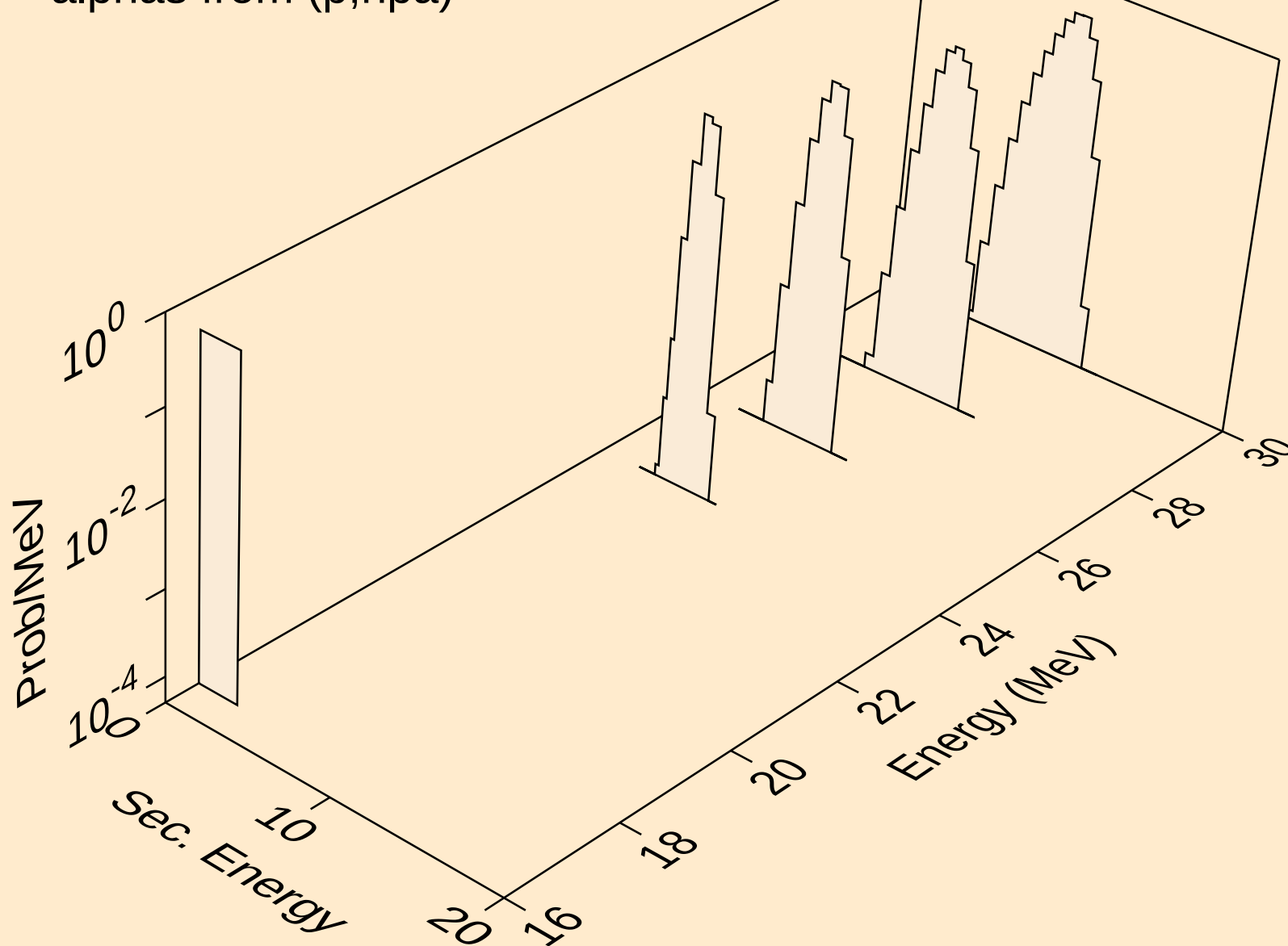
TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)



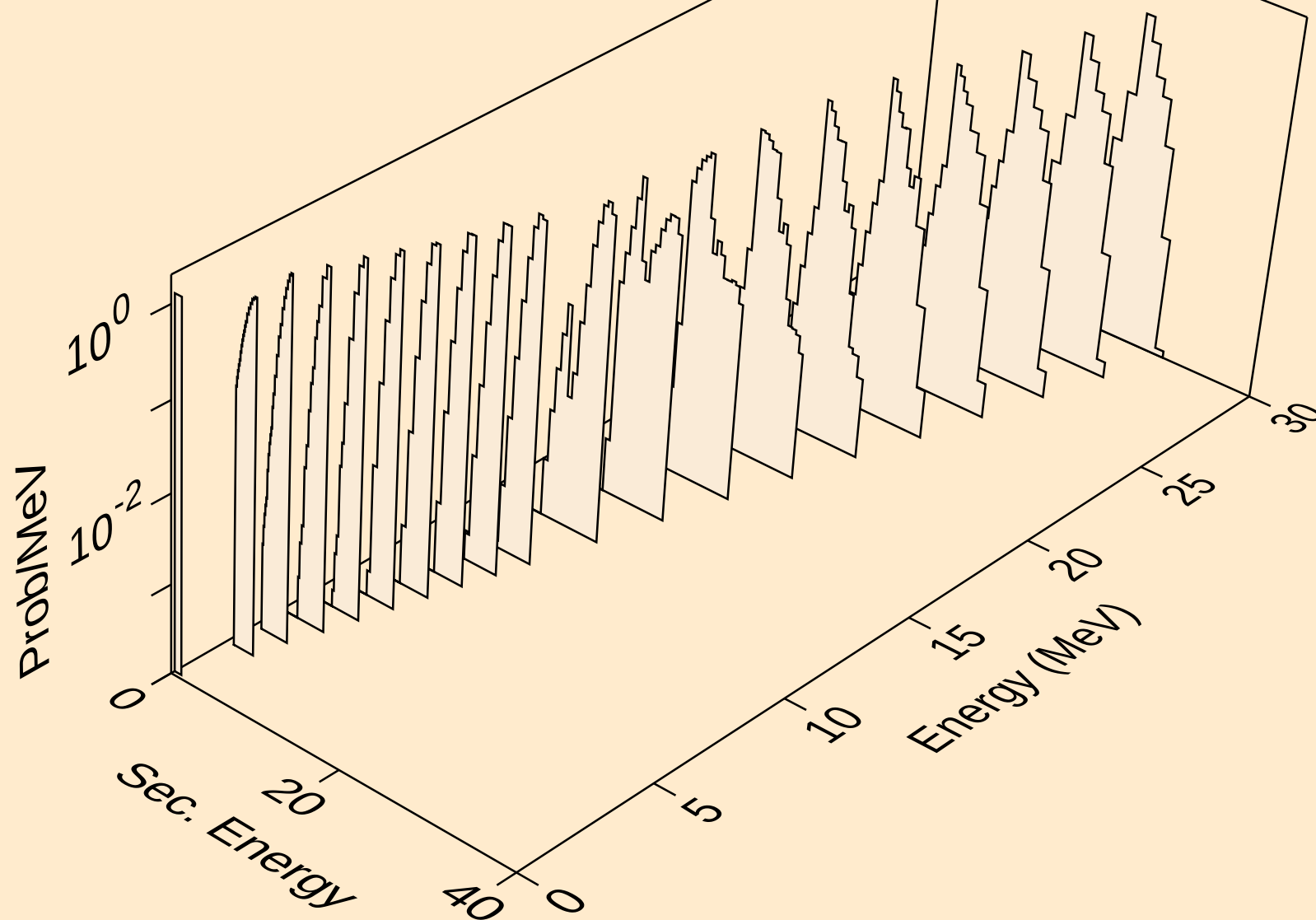
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alphas from (p,n\*)a



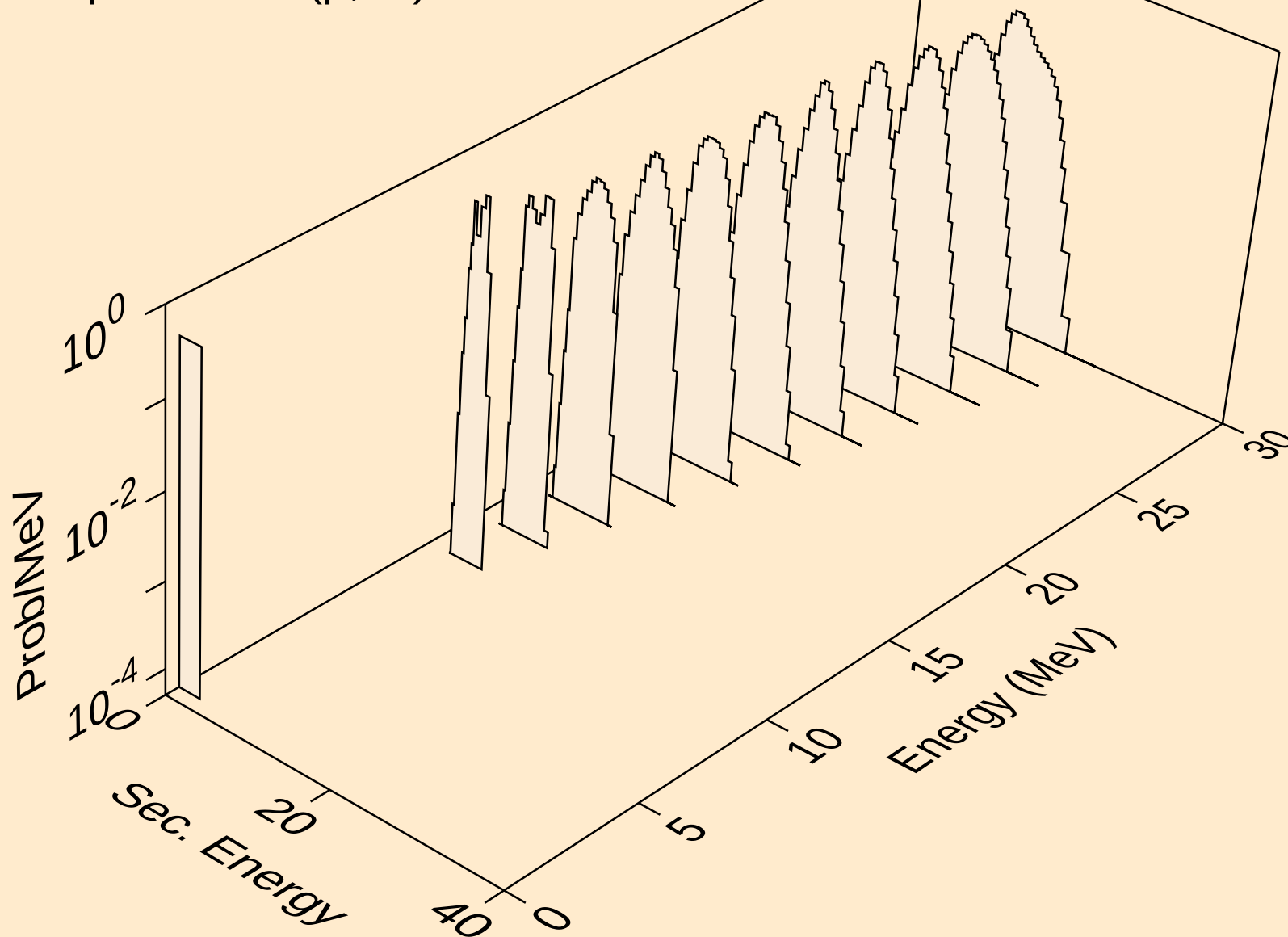
TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,npa)



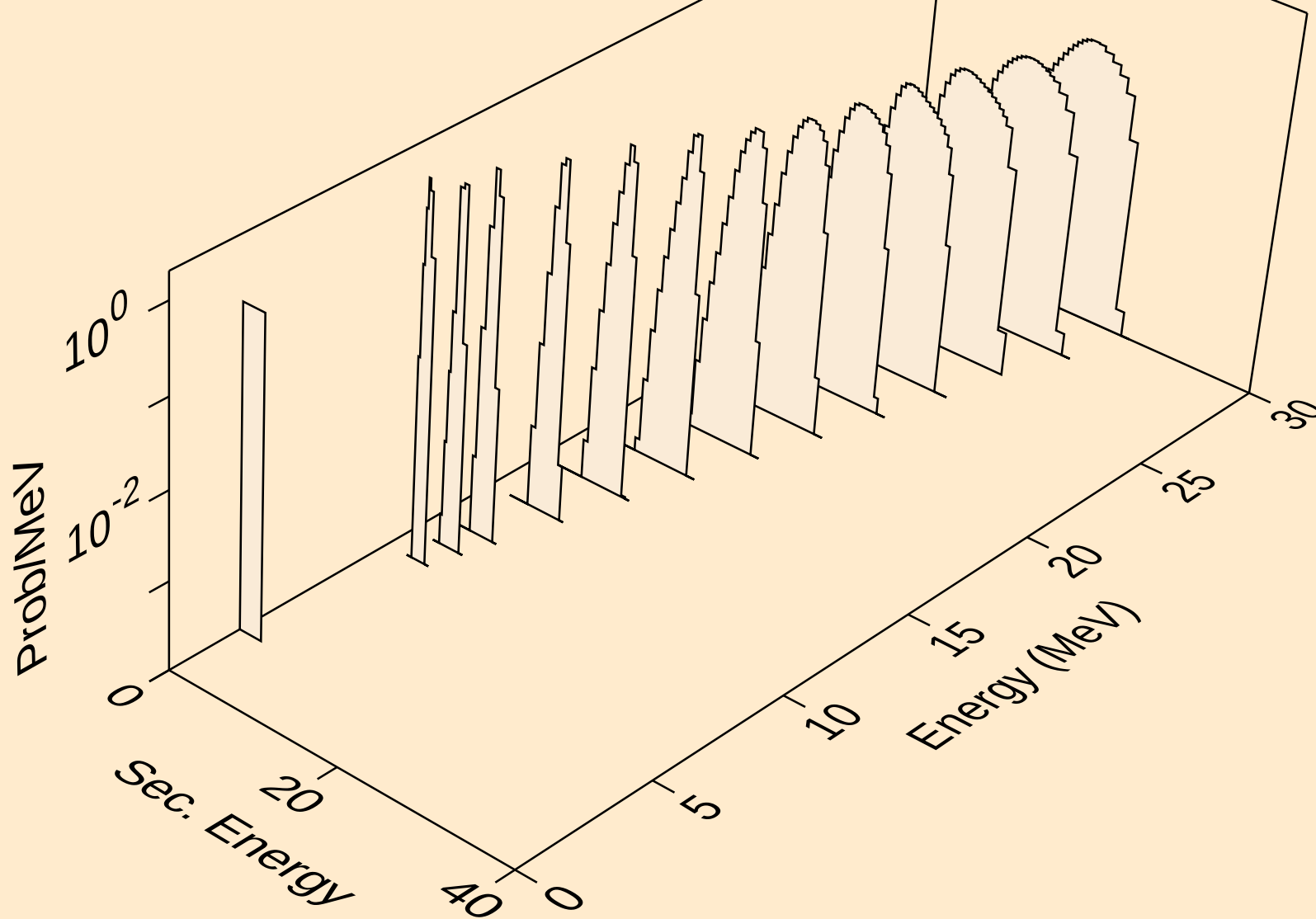
TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)



TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2a)



TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)



TC087 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,da)

