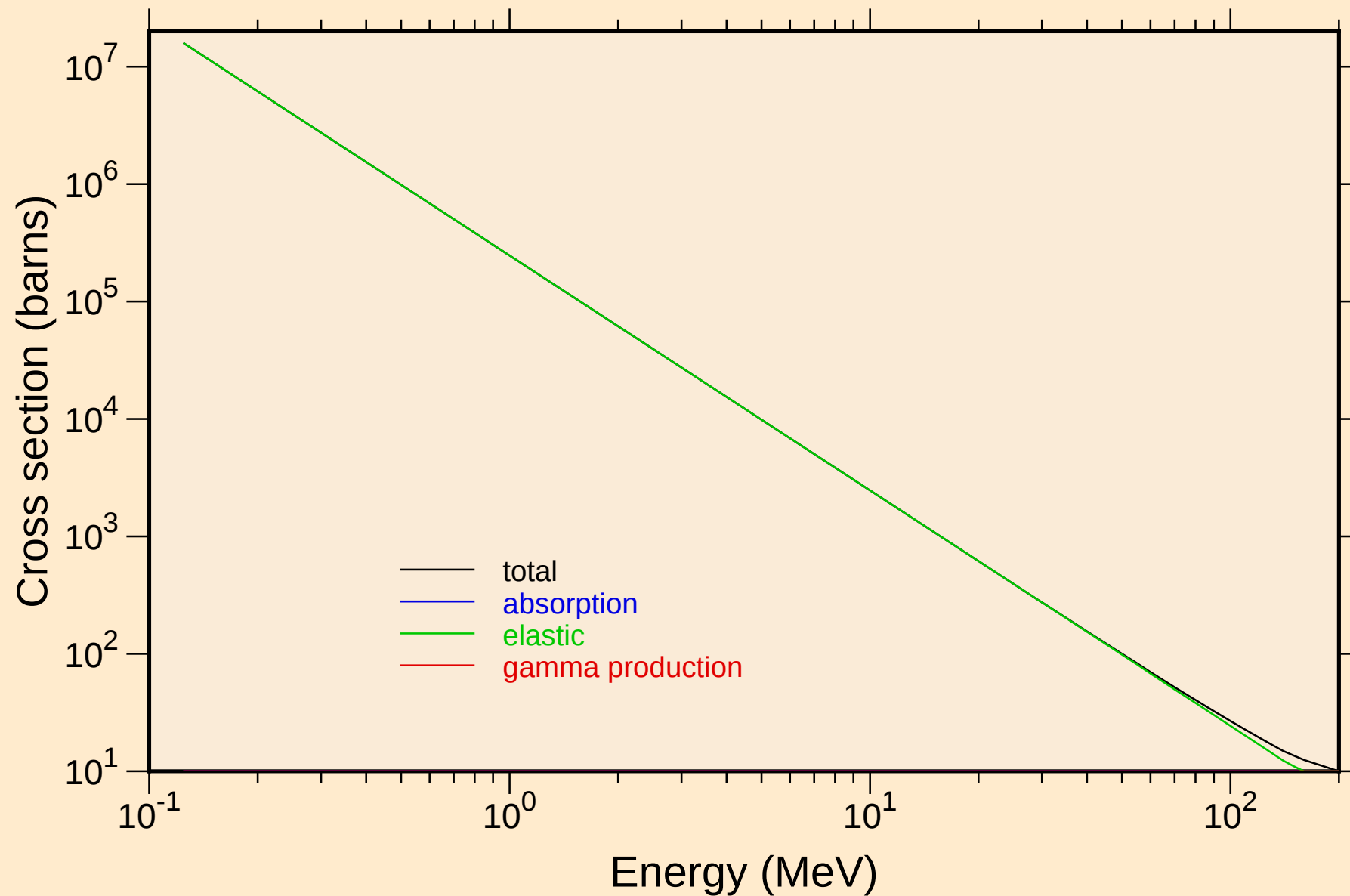


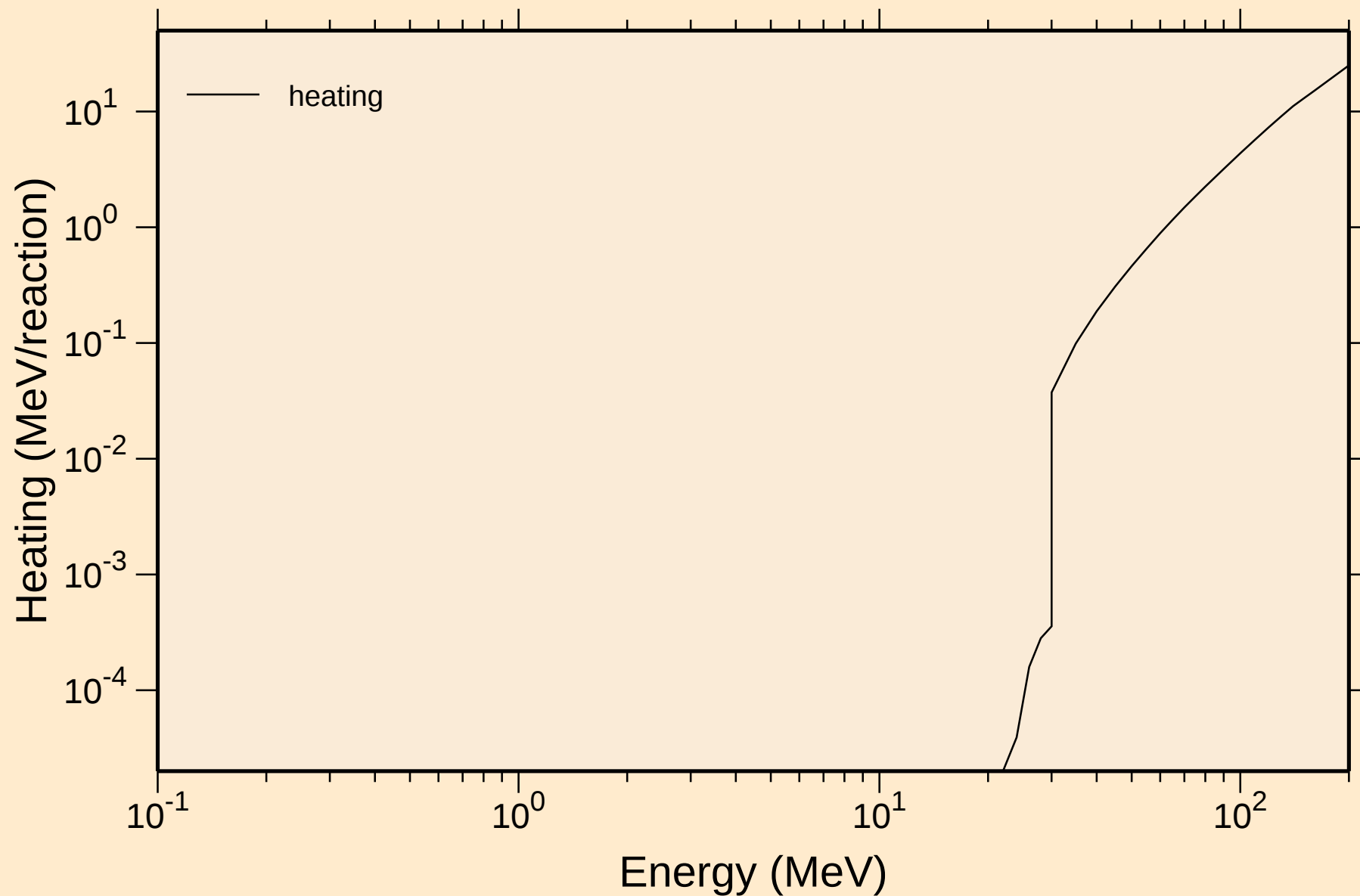
# ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



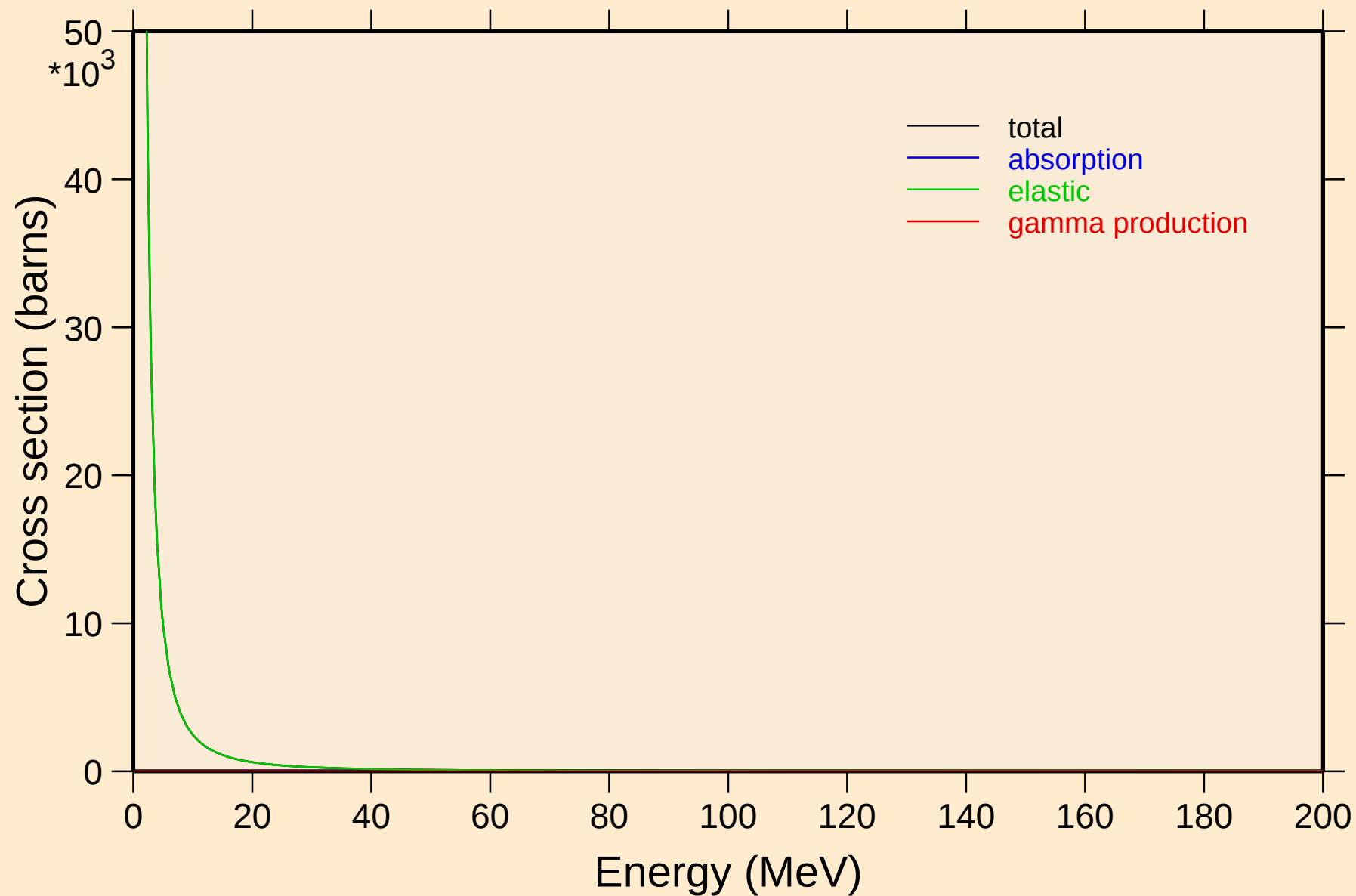
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K

Heating



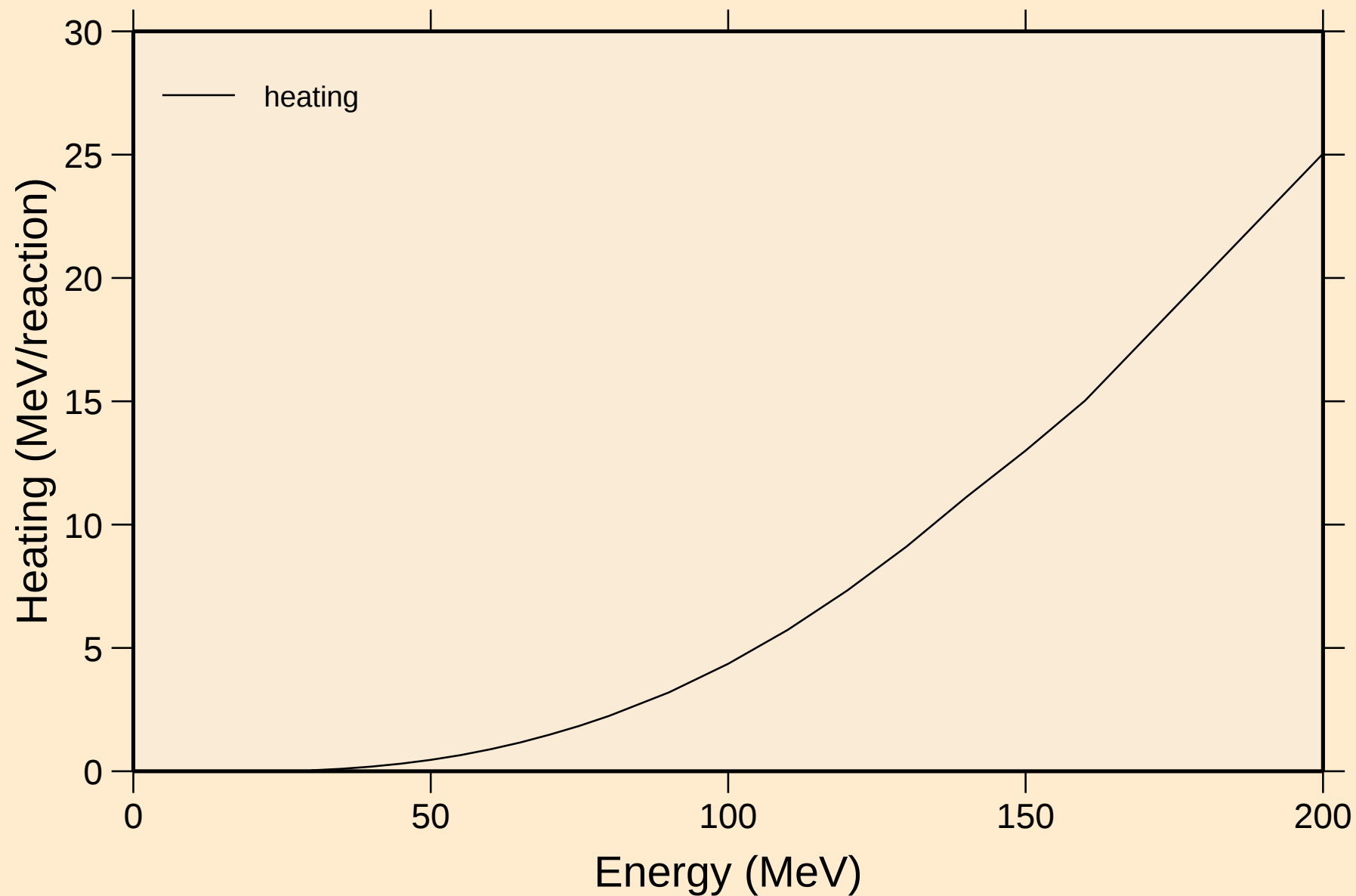
# ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



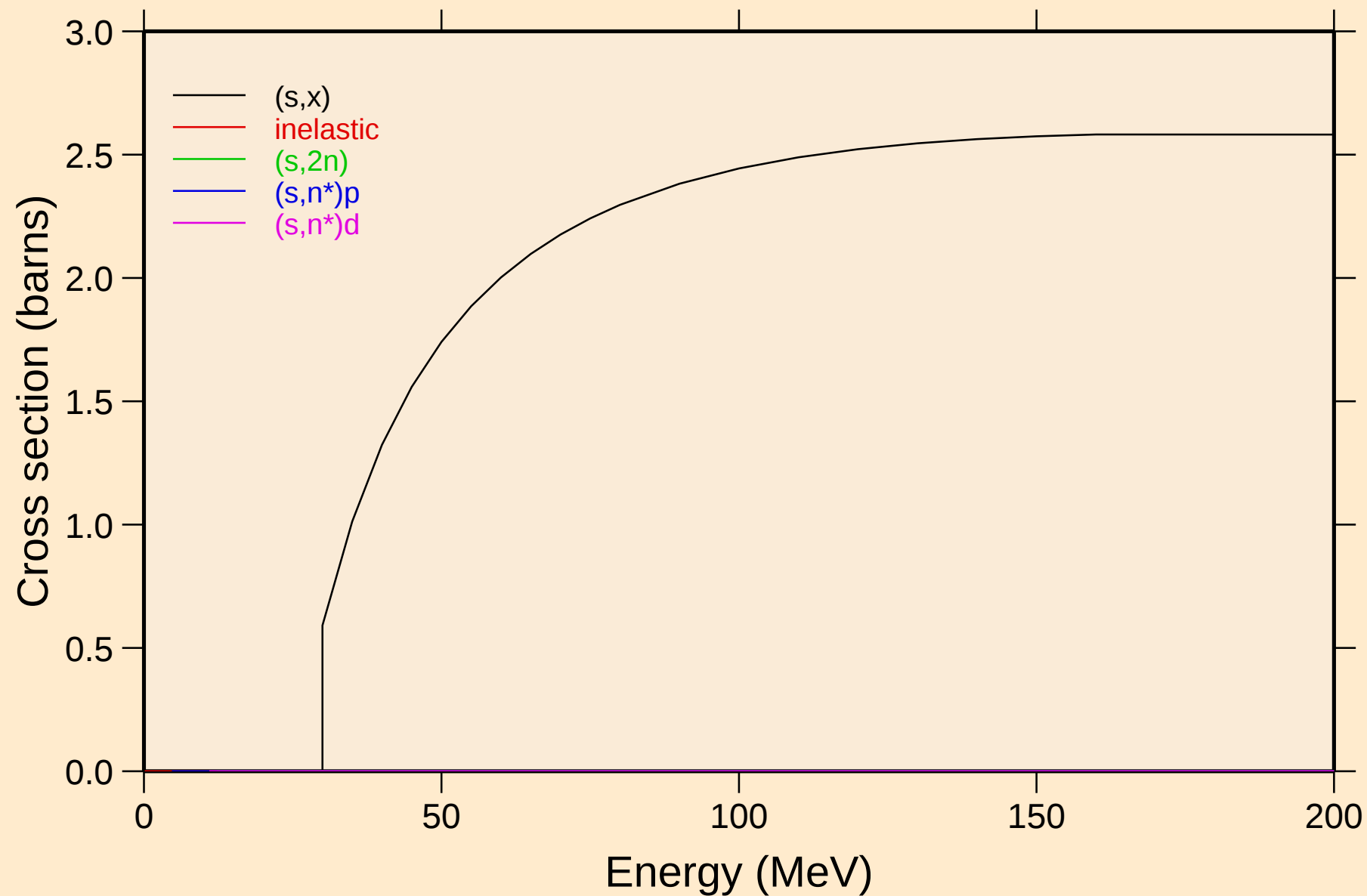
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K

Heating



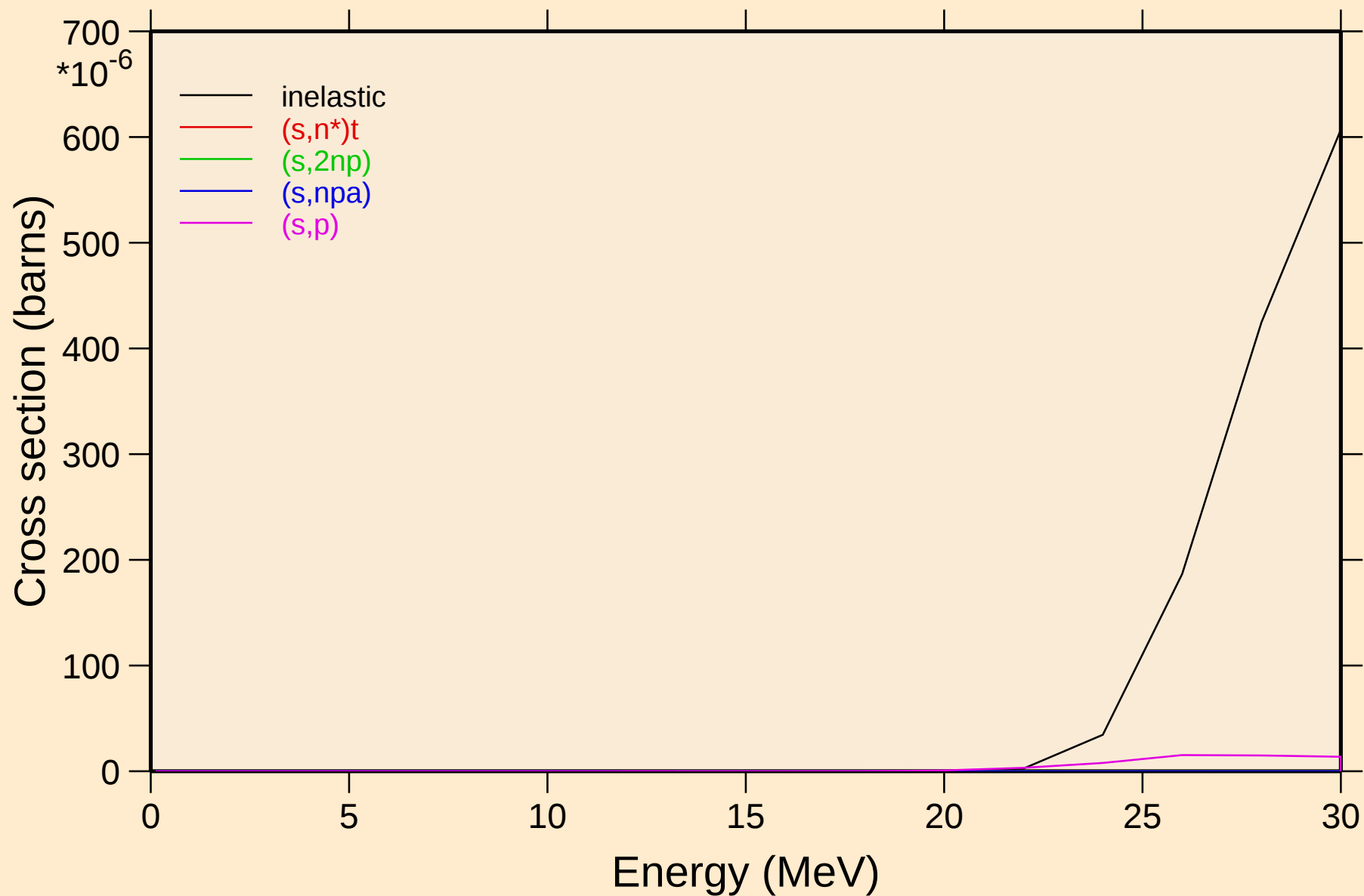
# ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



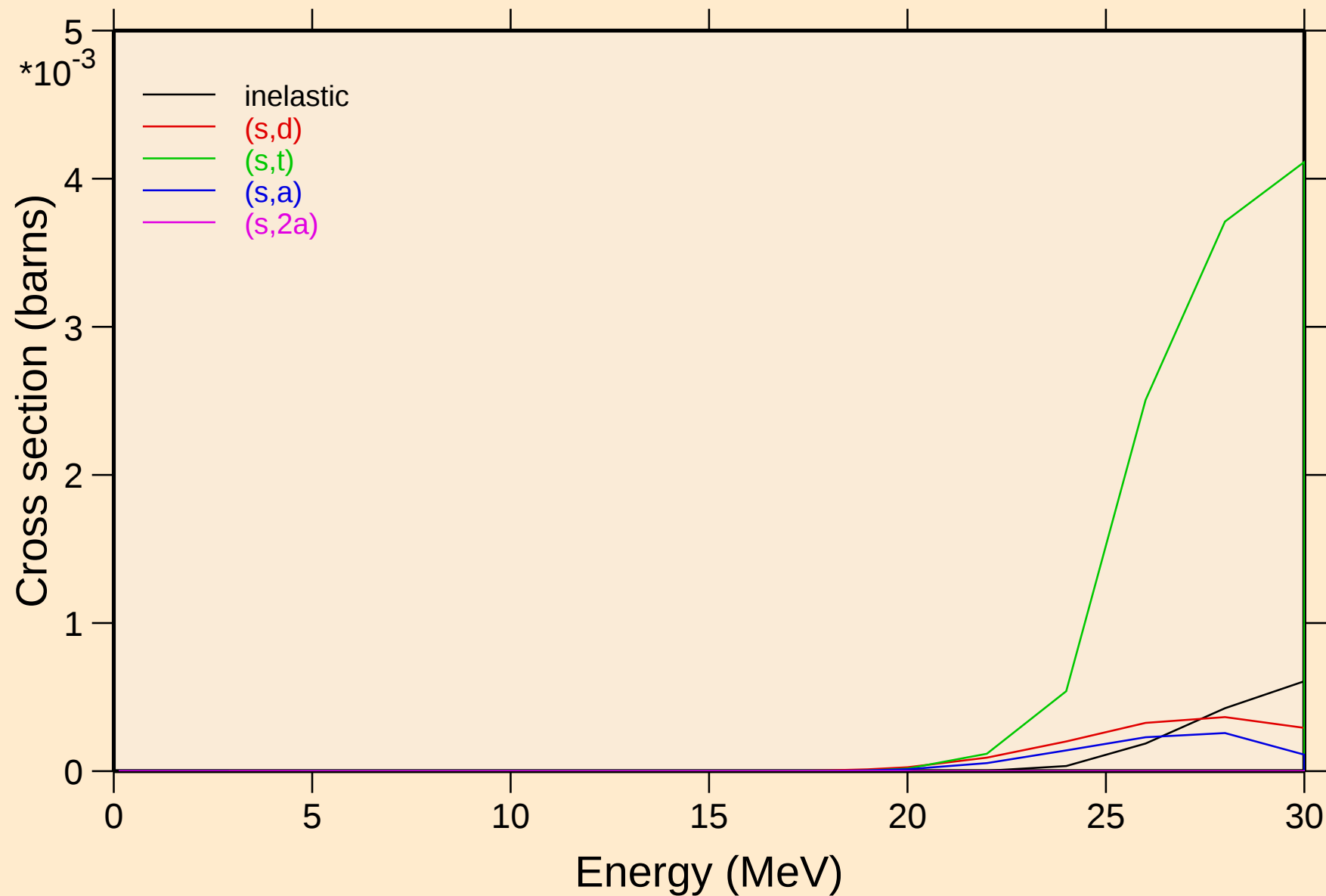
# ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



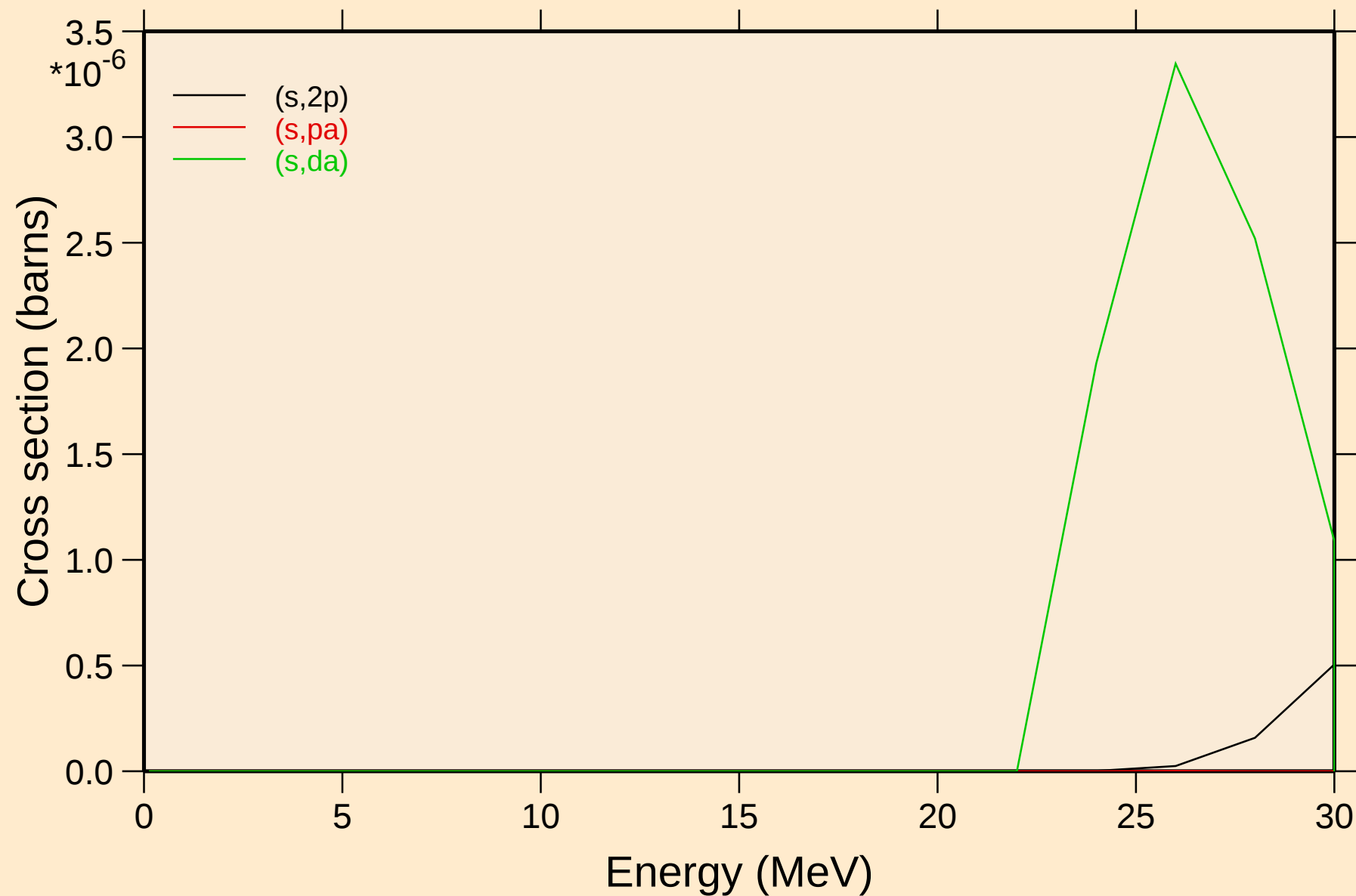
# ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

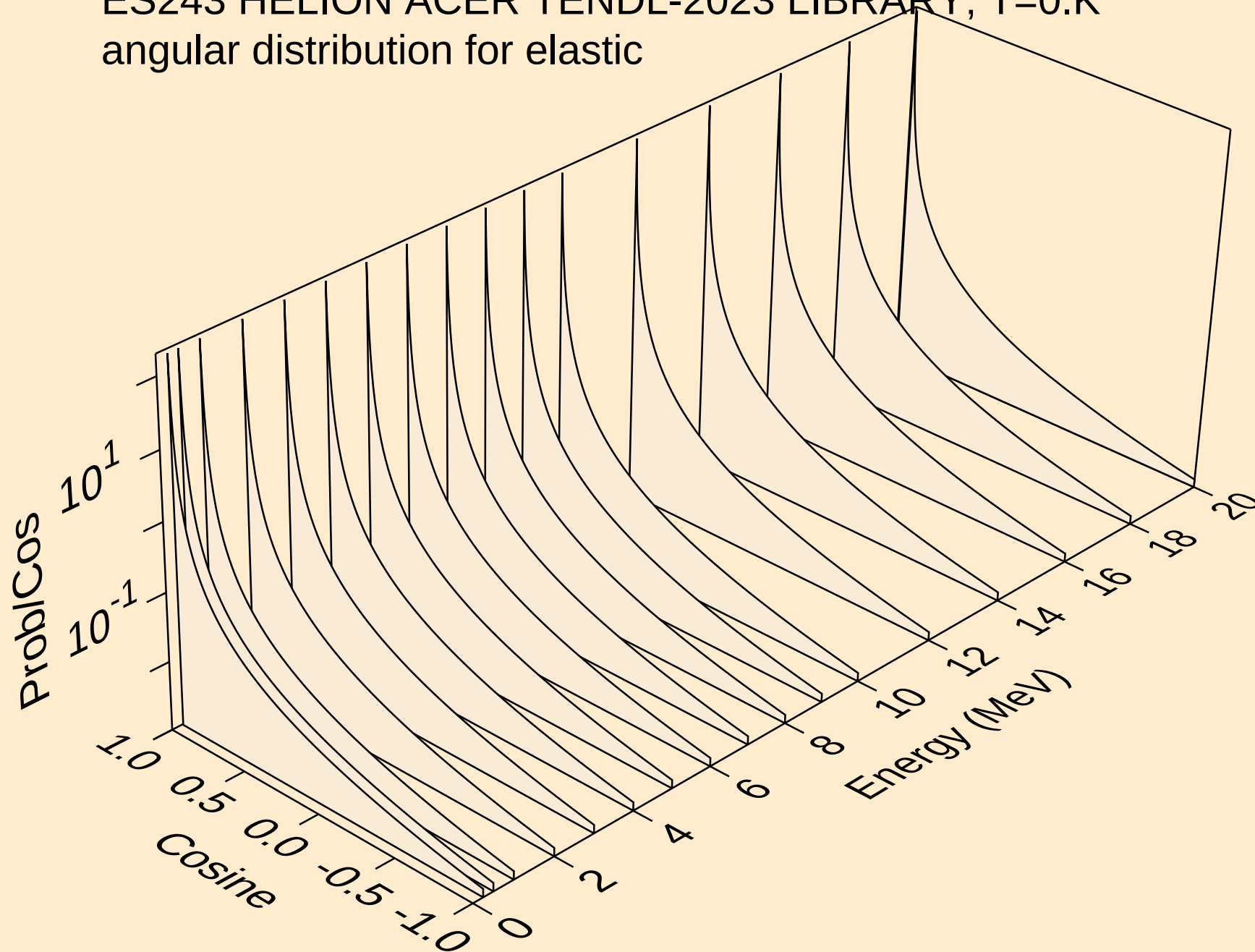


# ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K

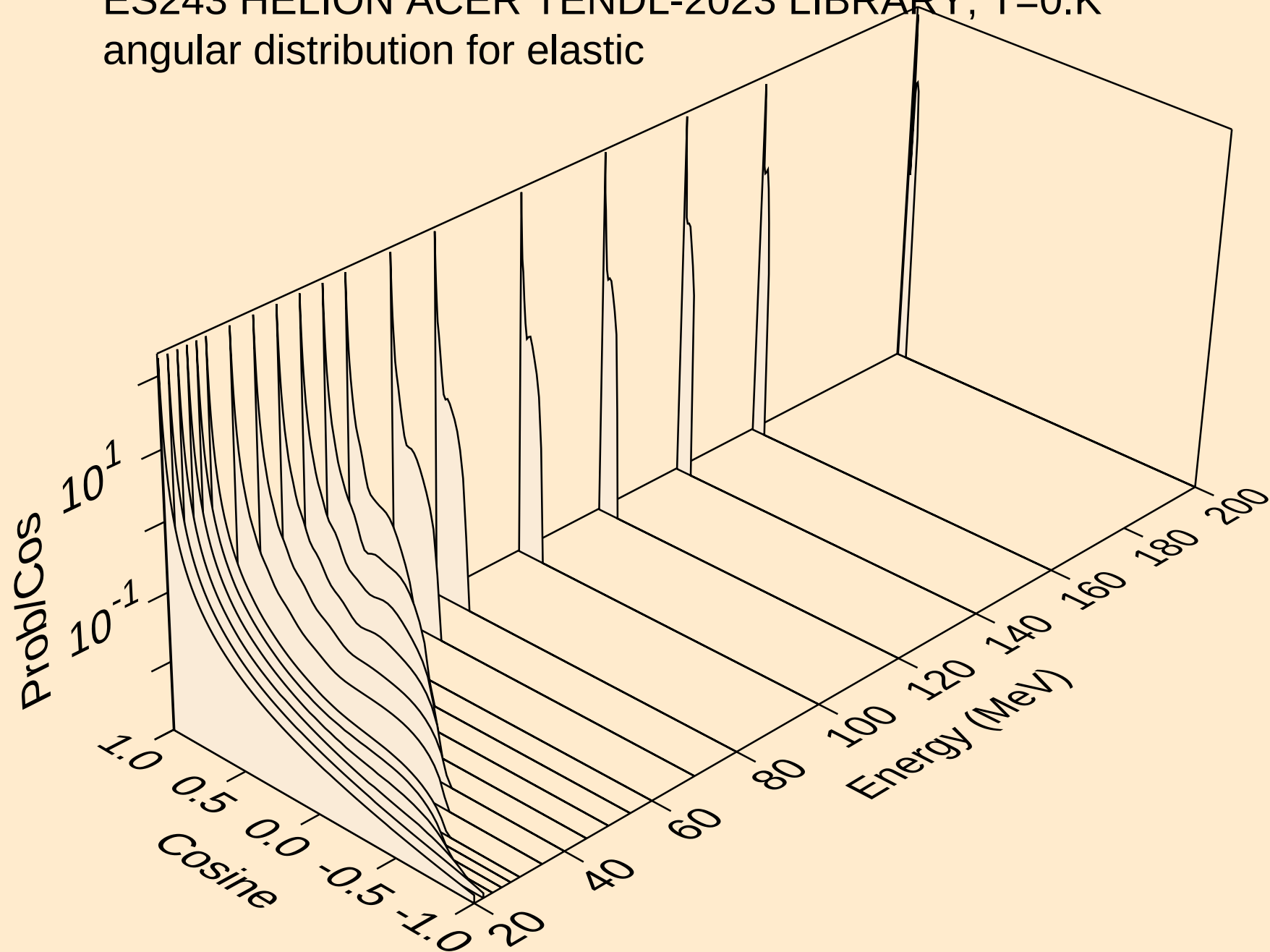
## Threshold reactions



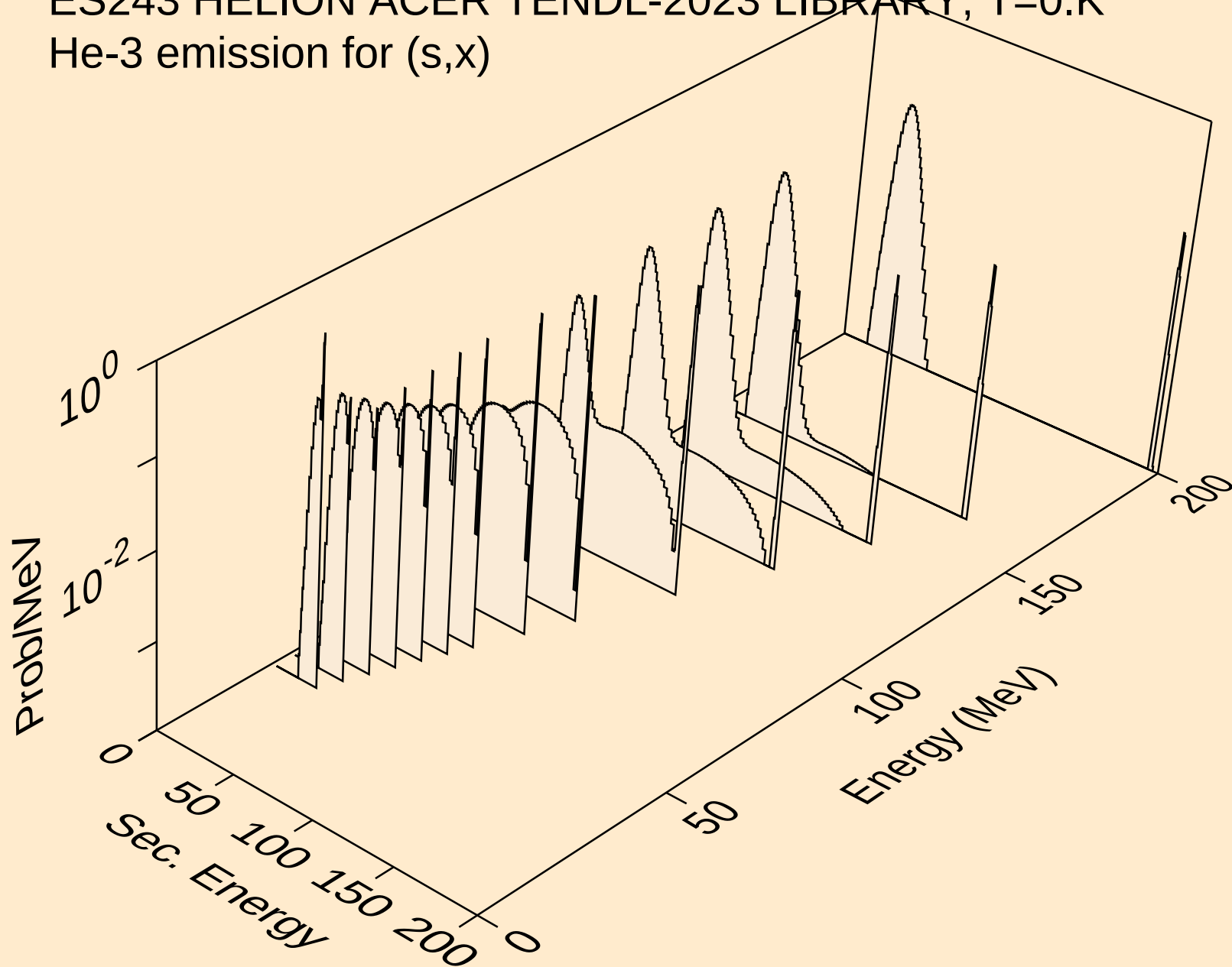
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



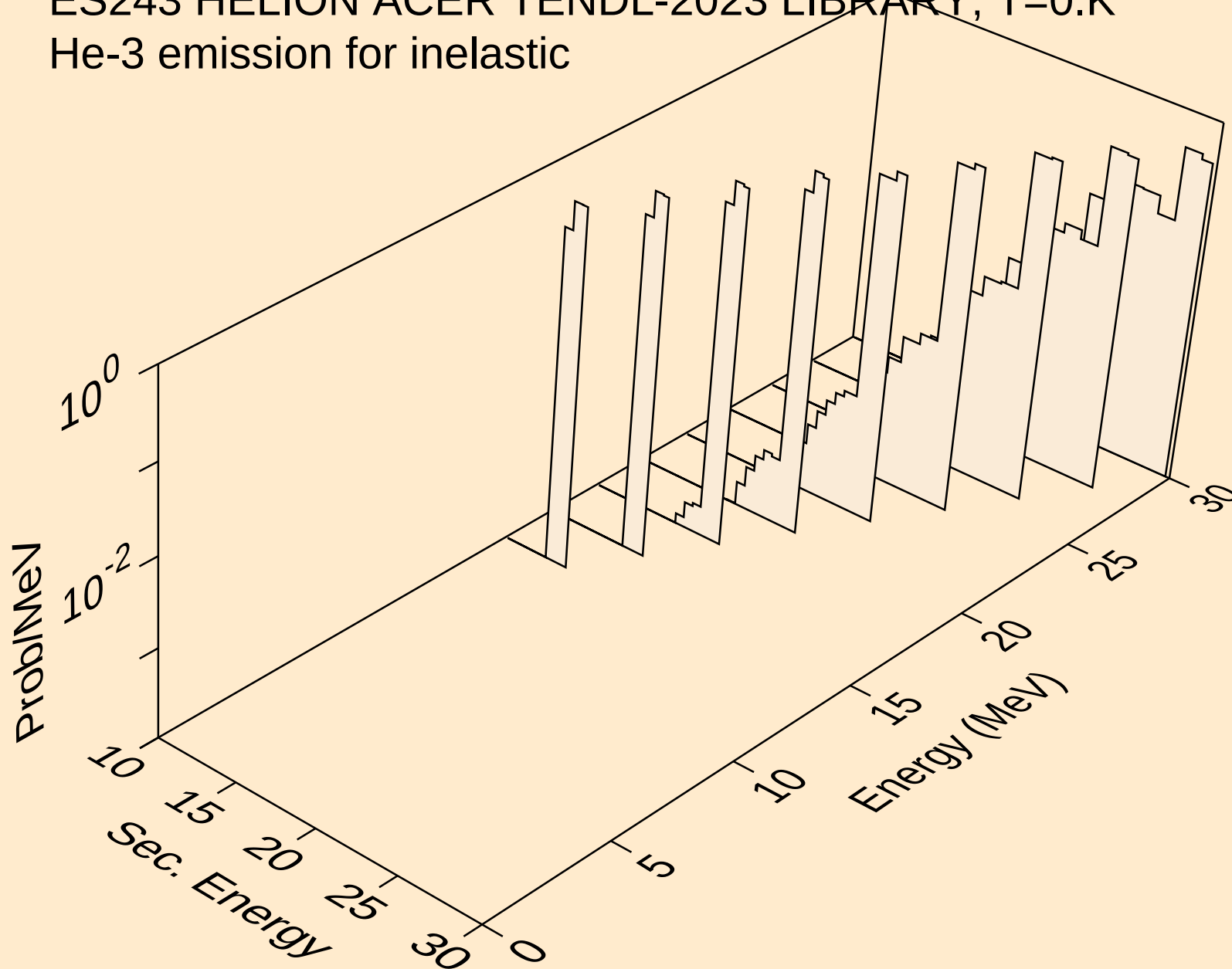
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)

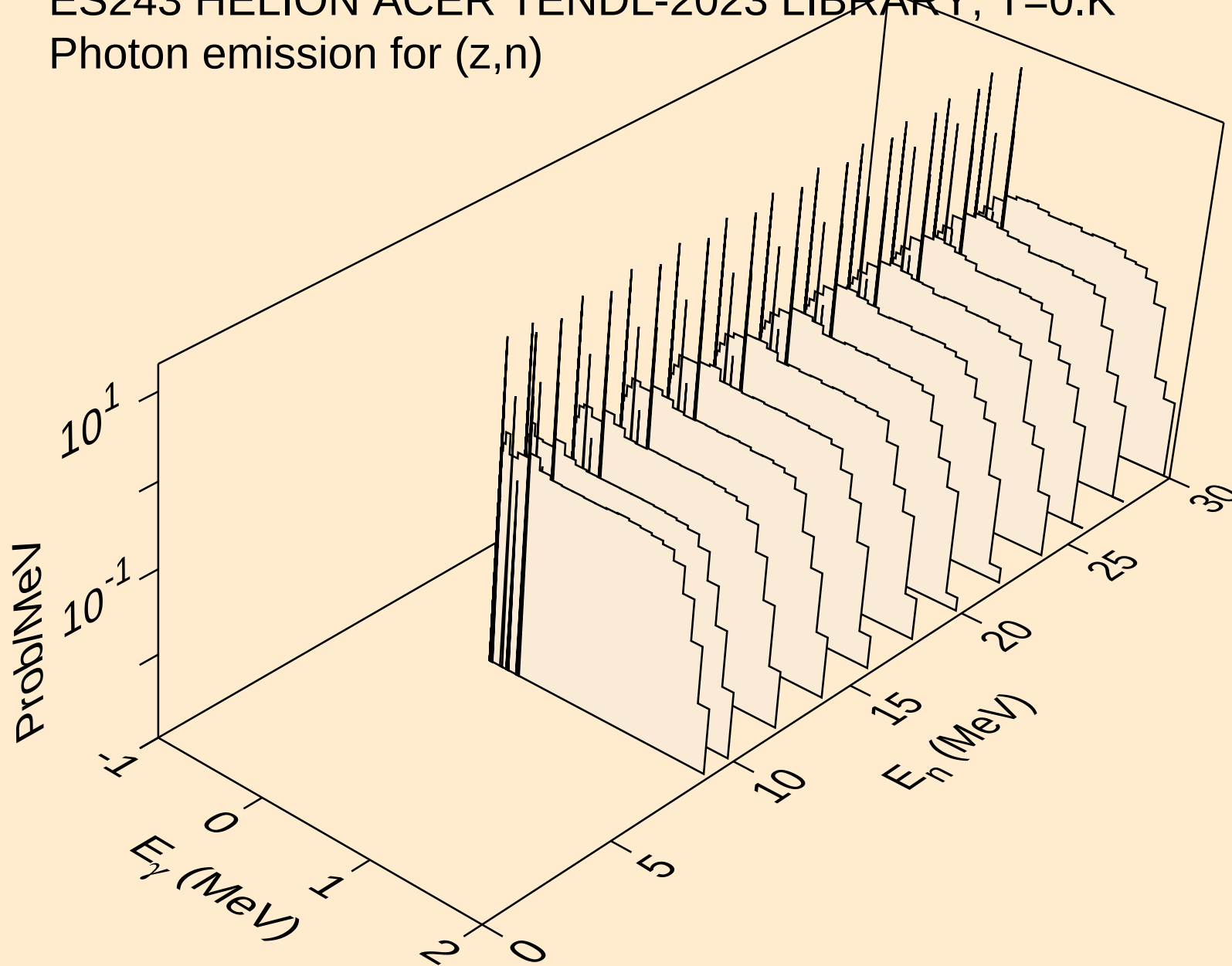


ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic



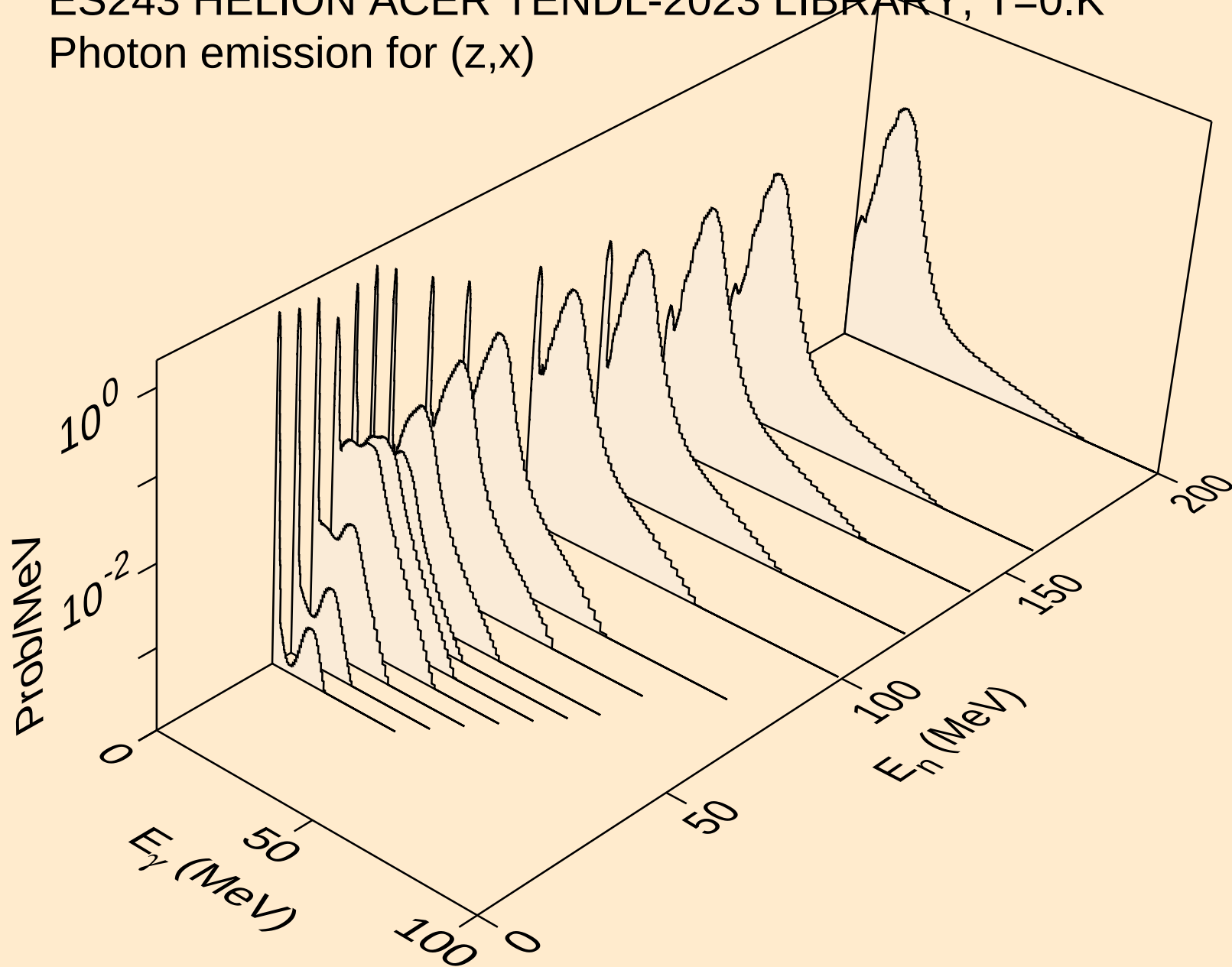
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (z,n)



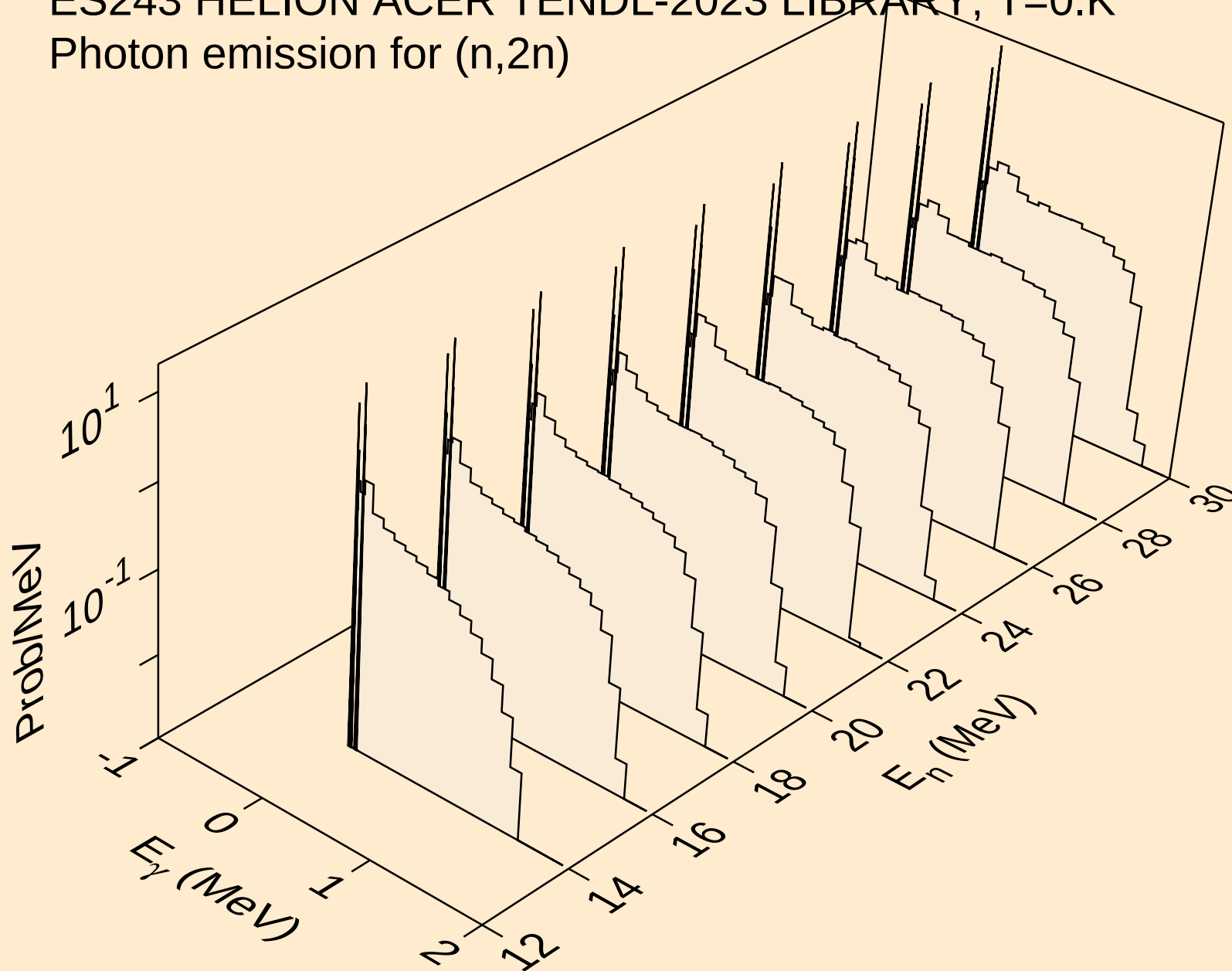
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (z,x)



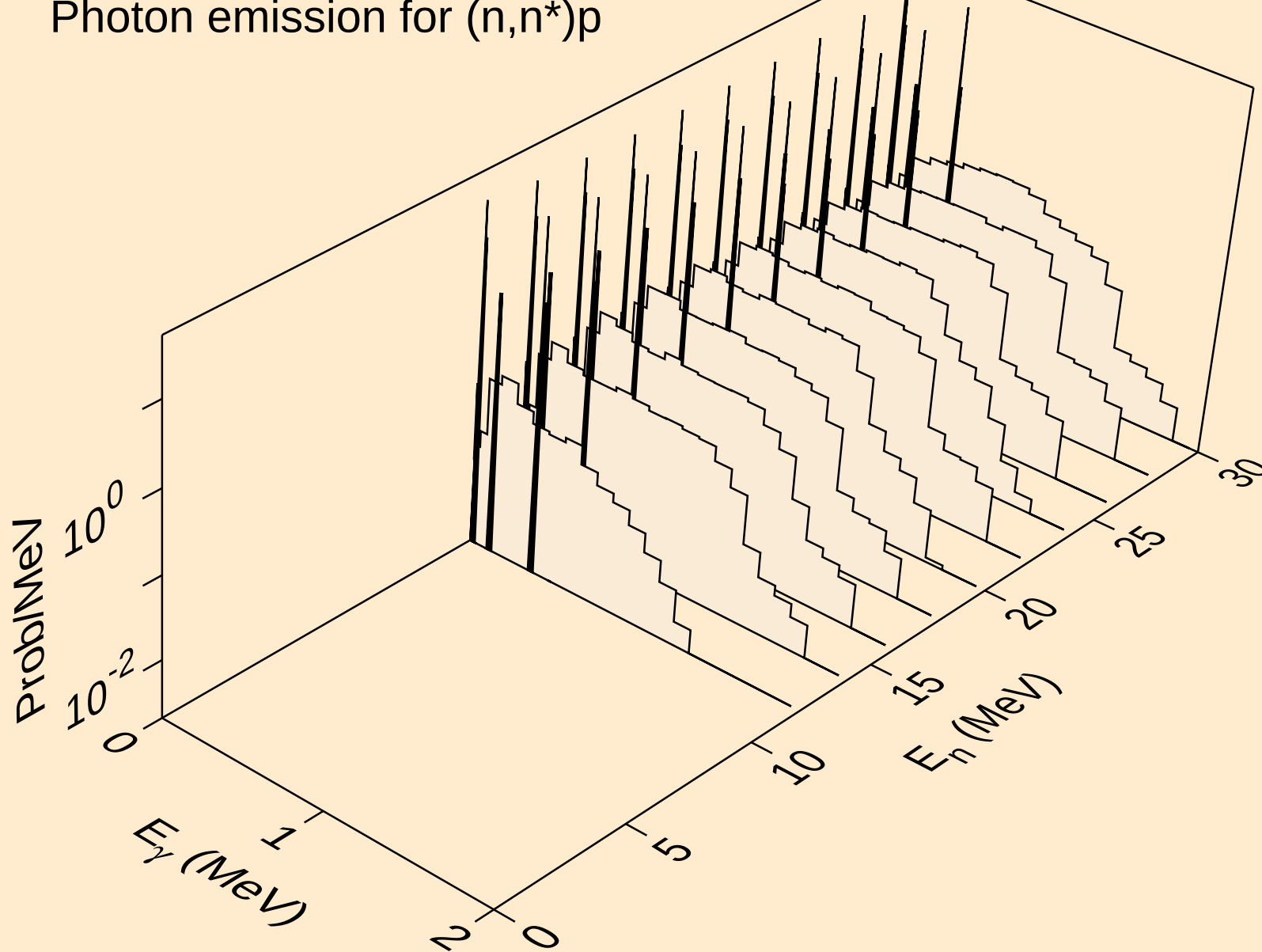
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,2n)



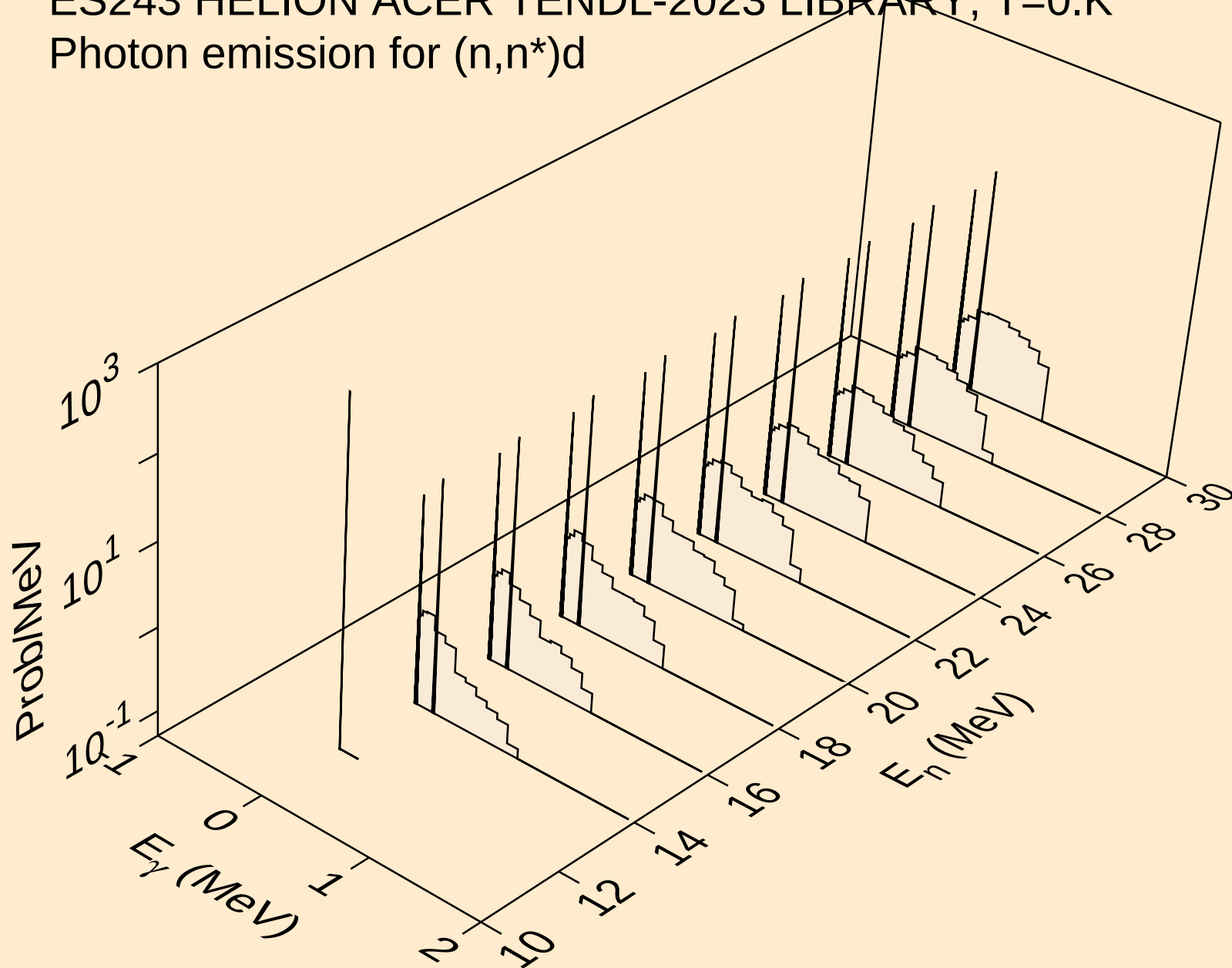
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)p



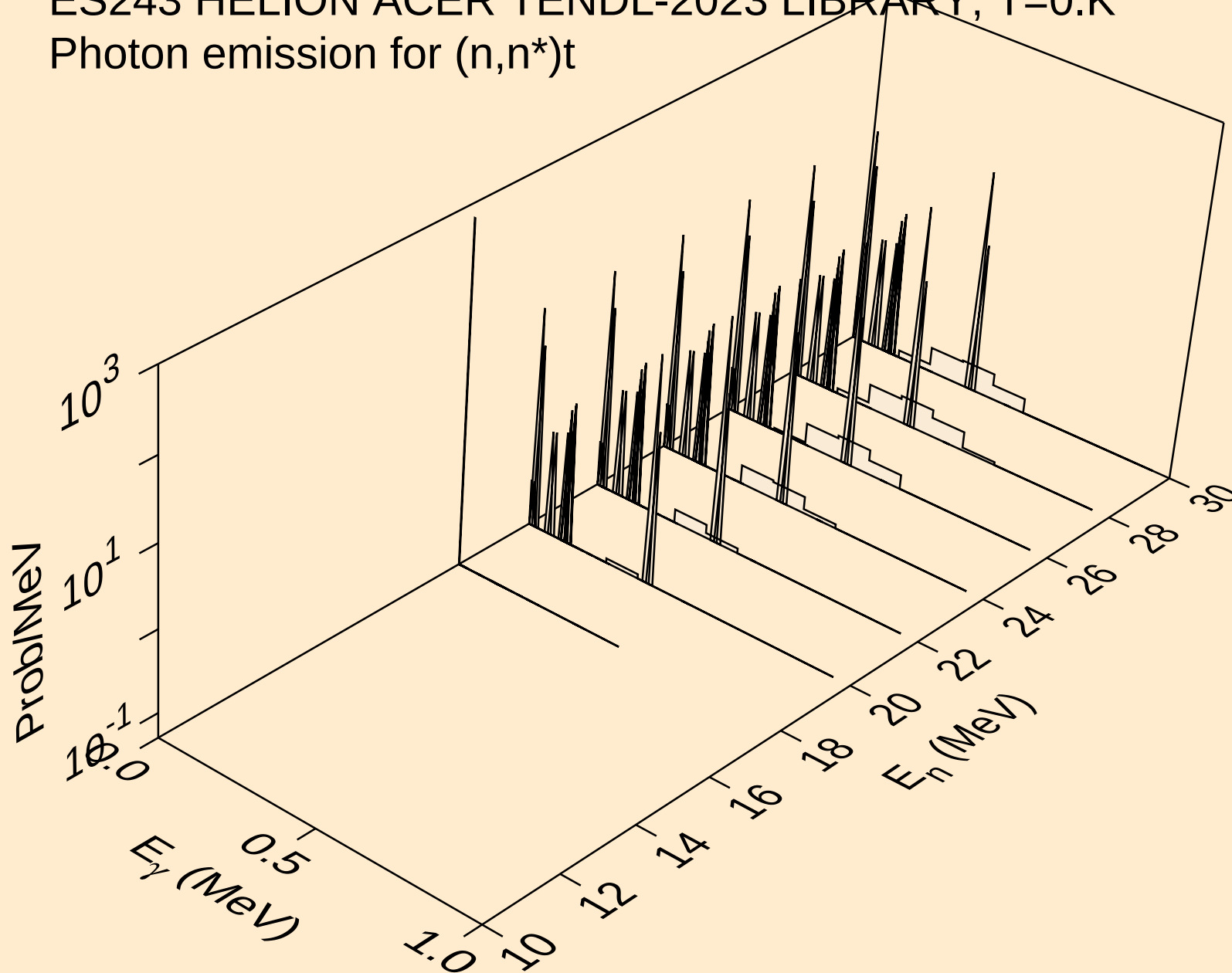
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)d



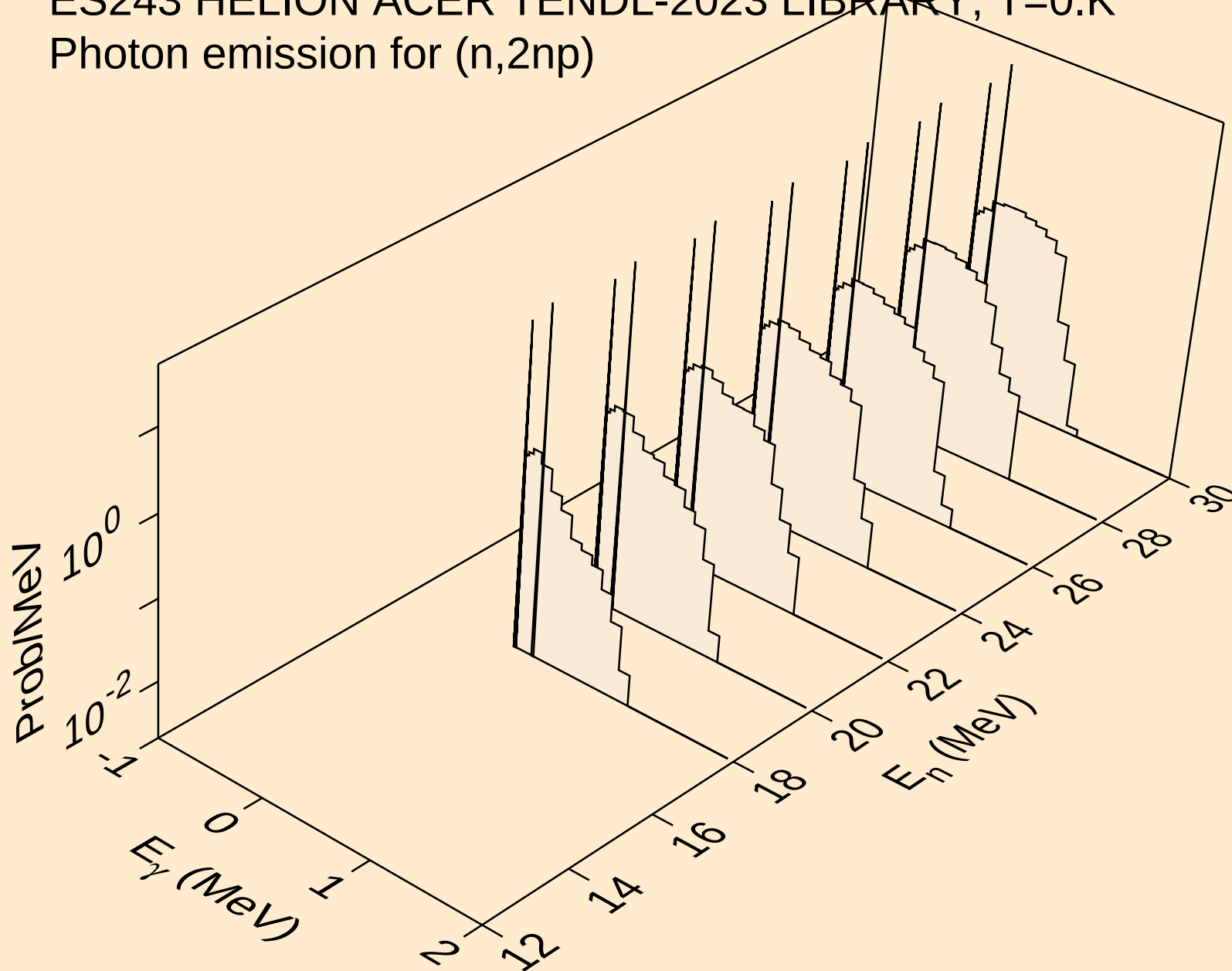
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)t



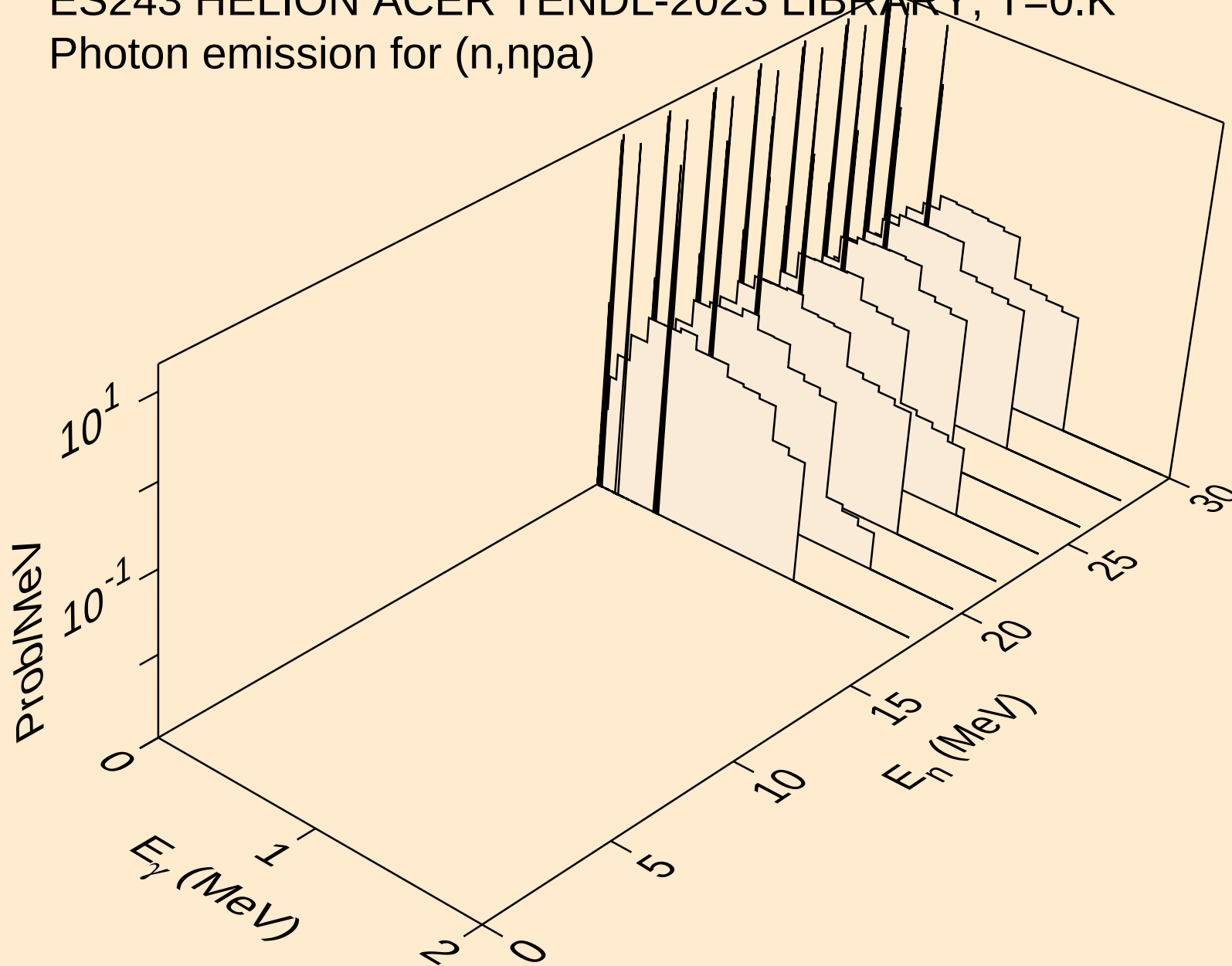
ES243 HELION ACER TENDL-2023 LIBRARY;  $T=0.K$

Photon emission for (n,2np)



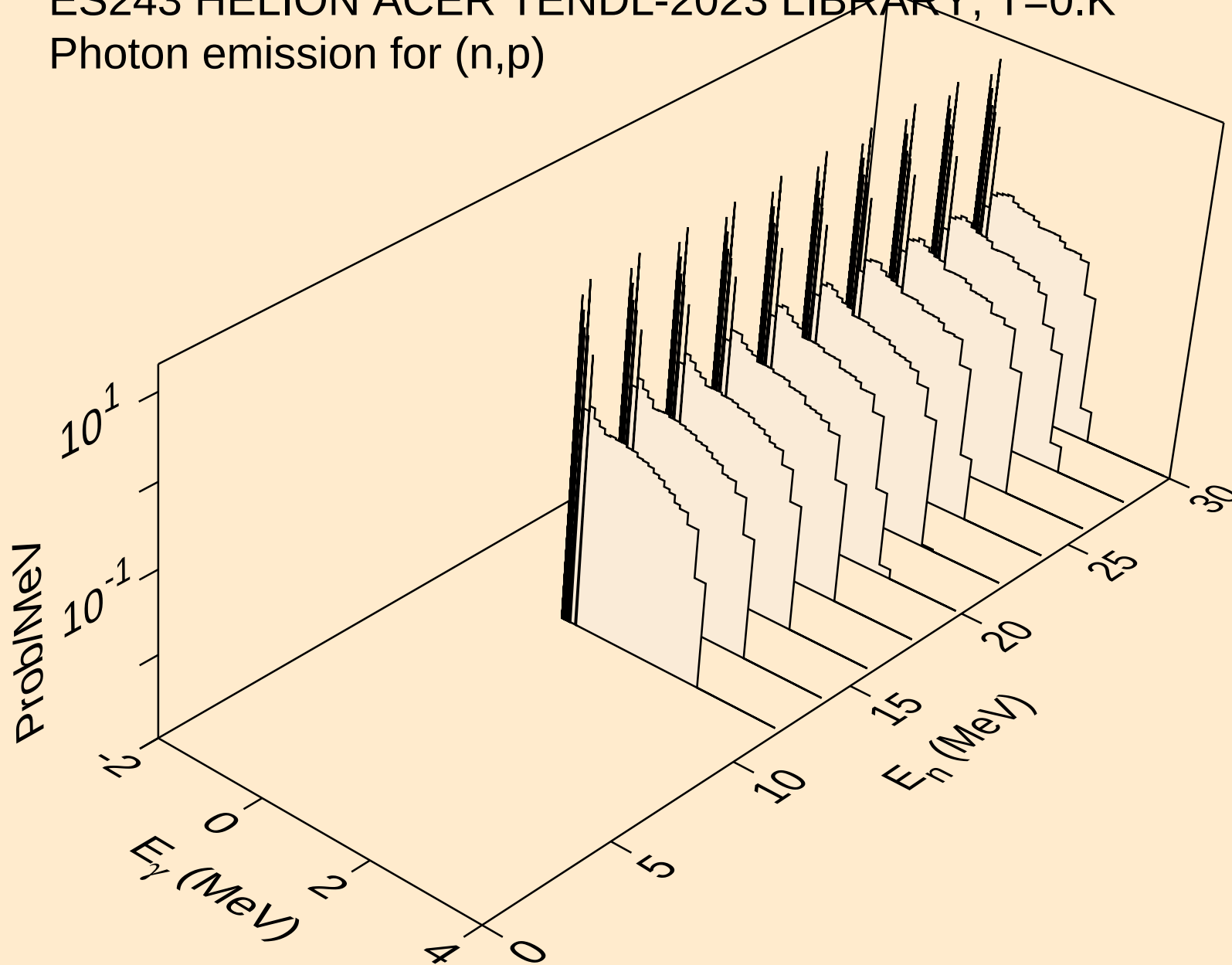
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,npa)

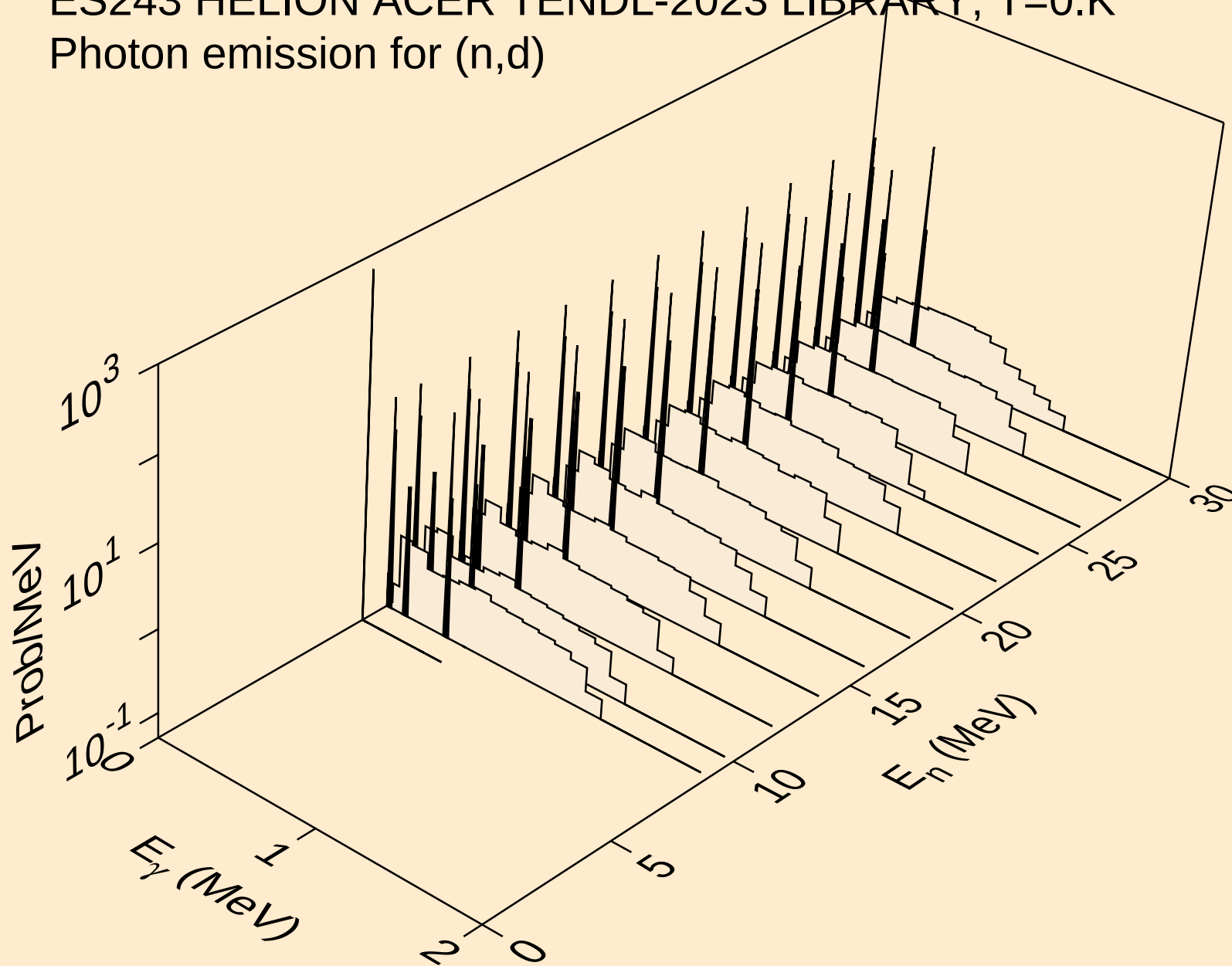


ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,p)

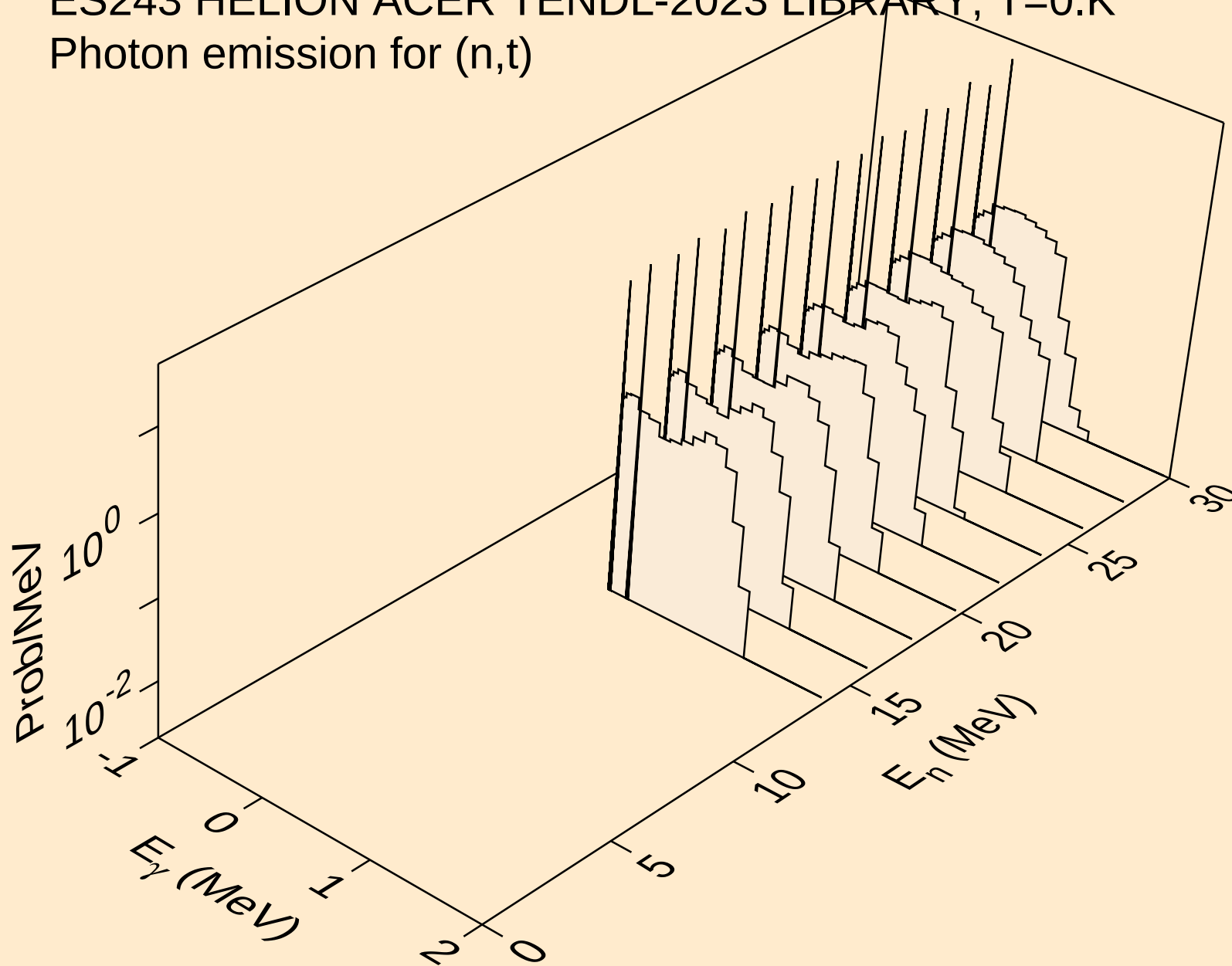


ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)

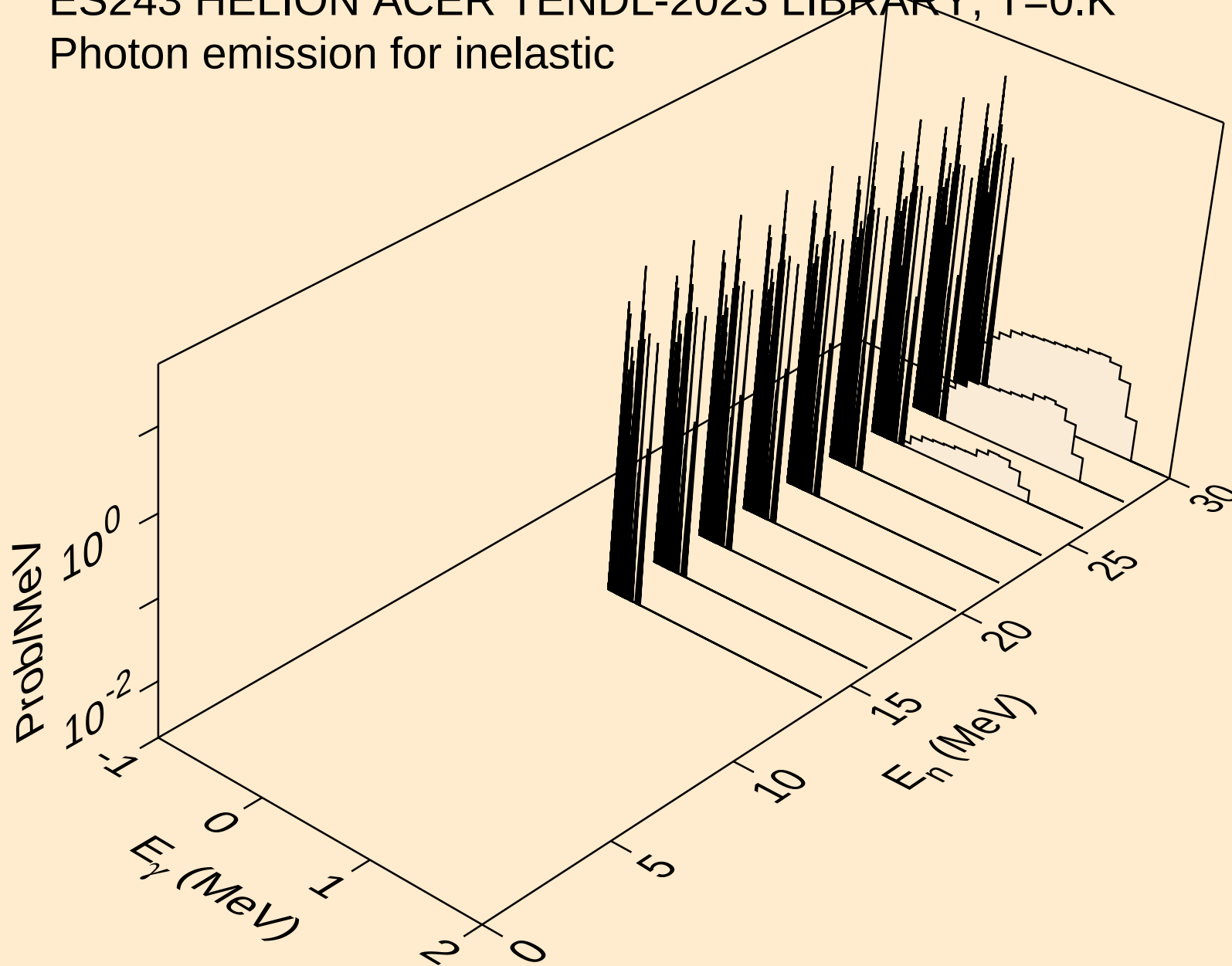


ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,t)

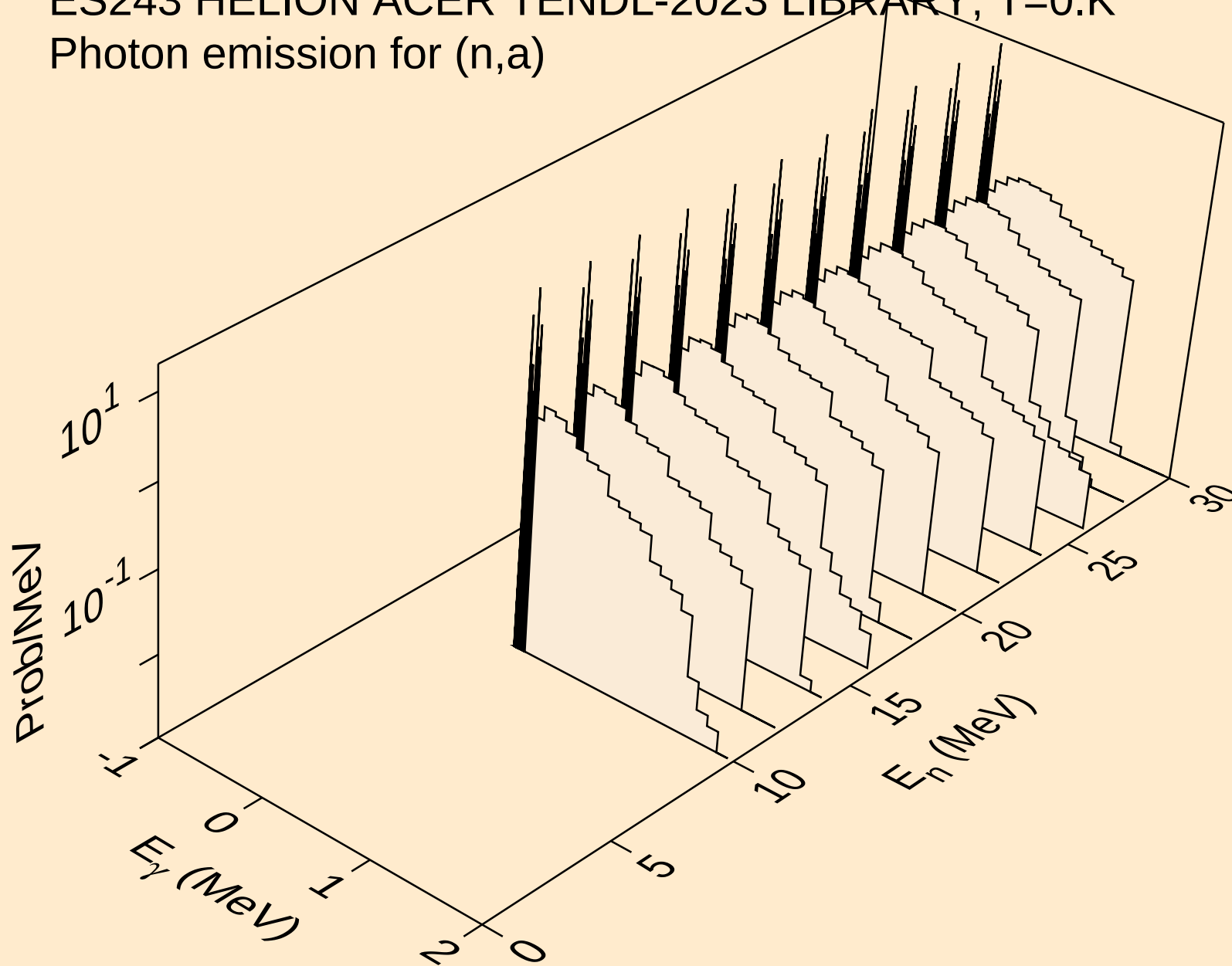


ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



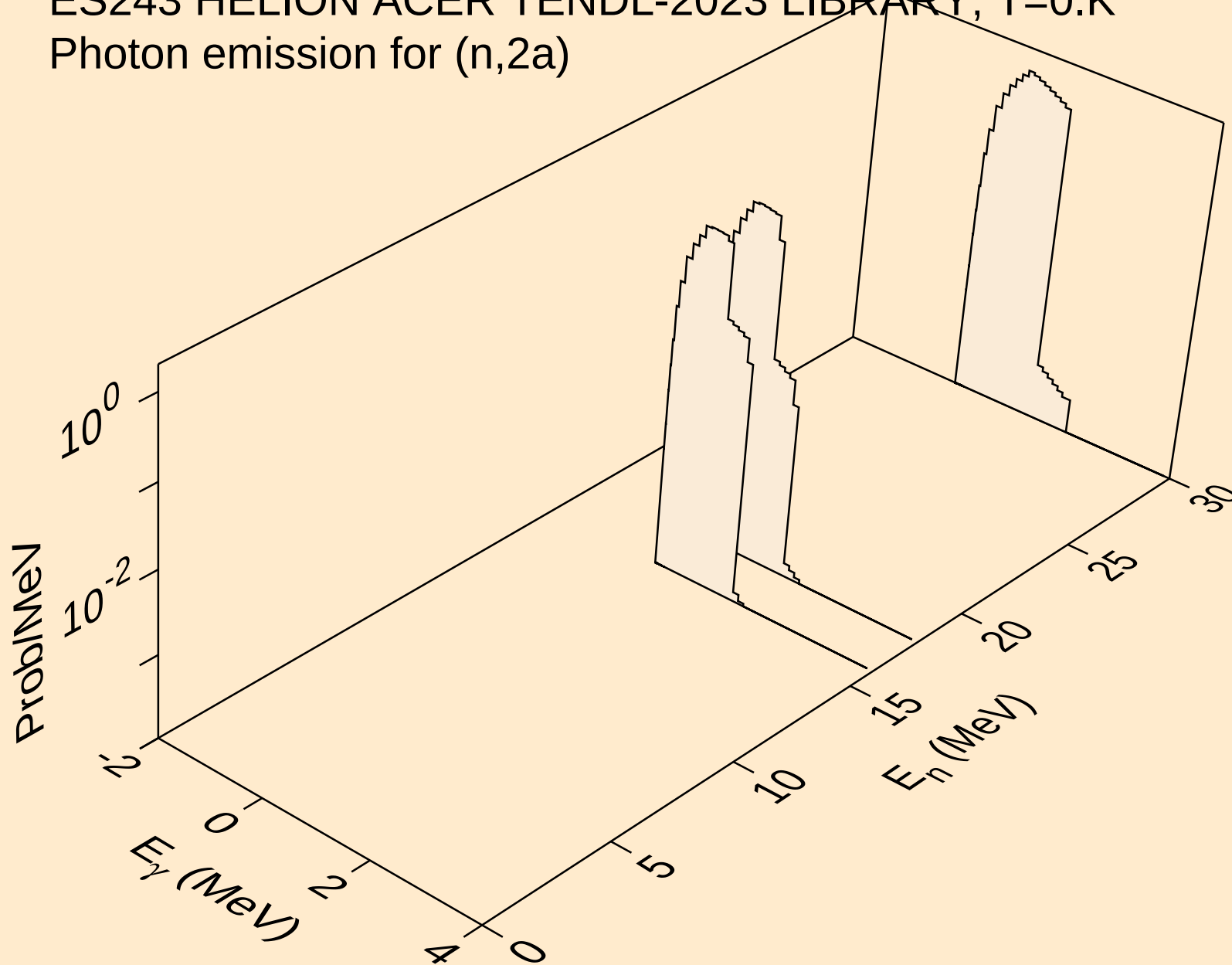
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,a)



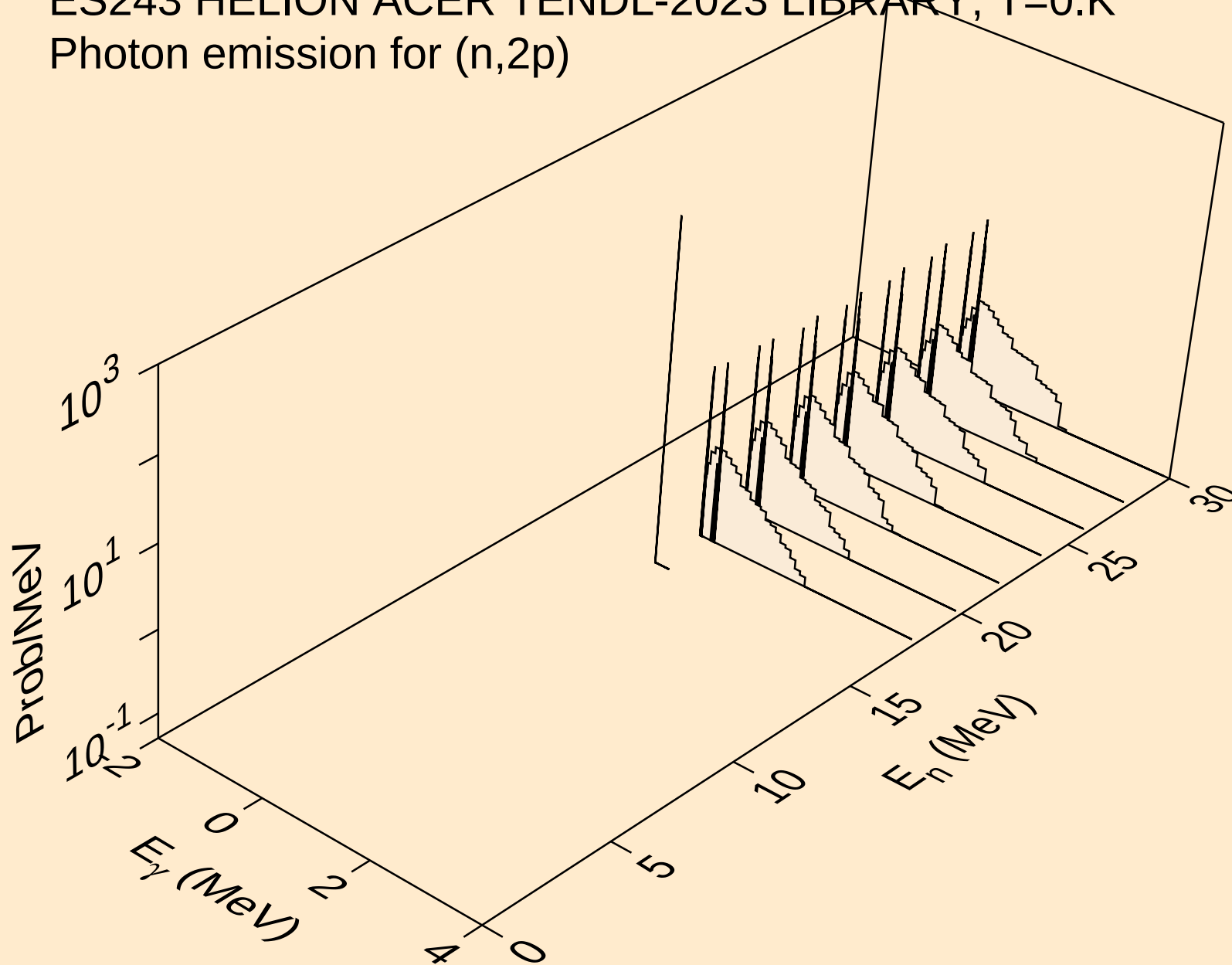
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,2a)



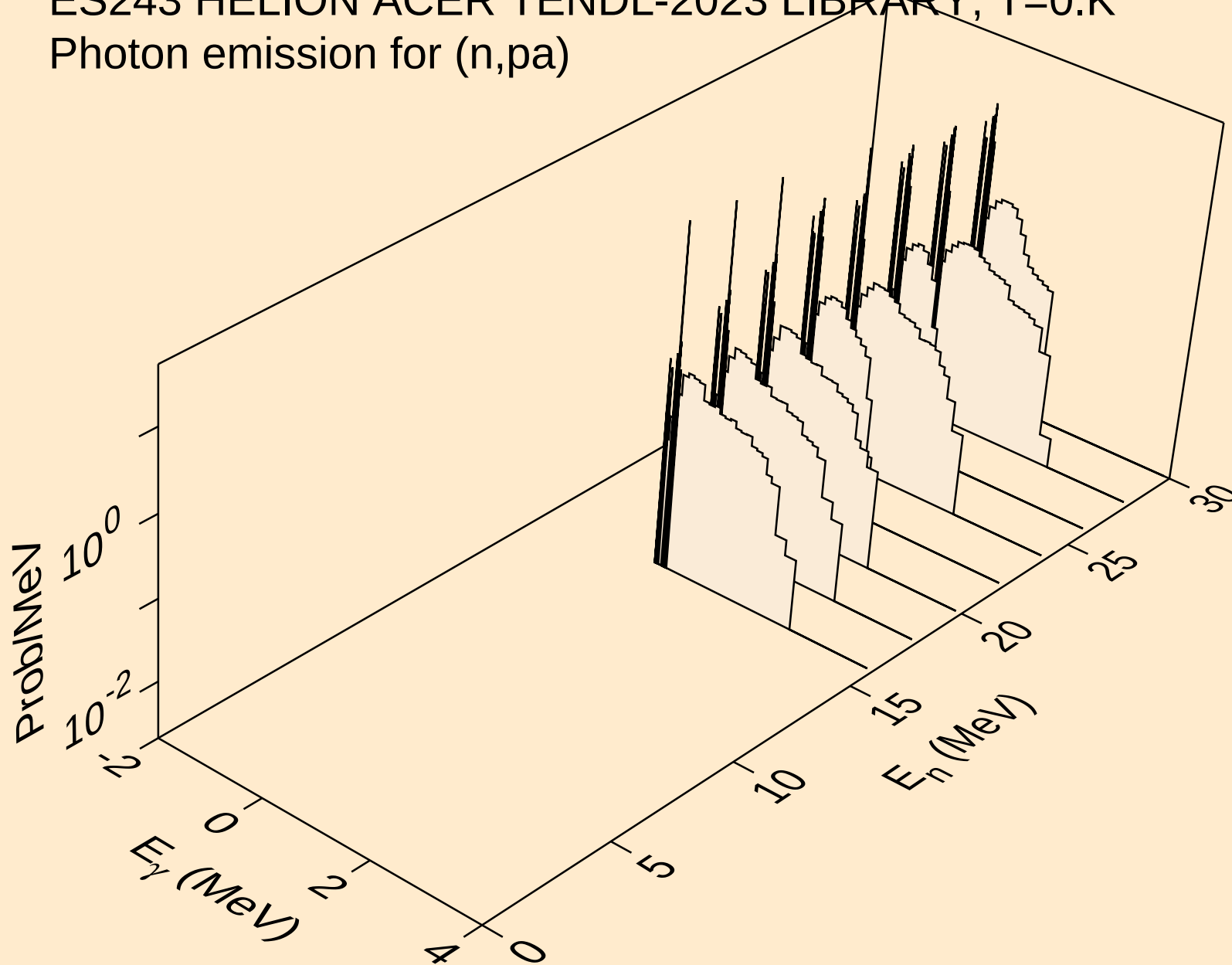
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,2p)

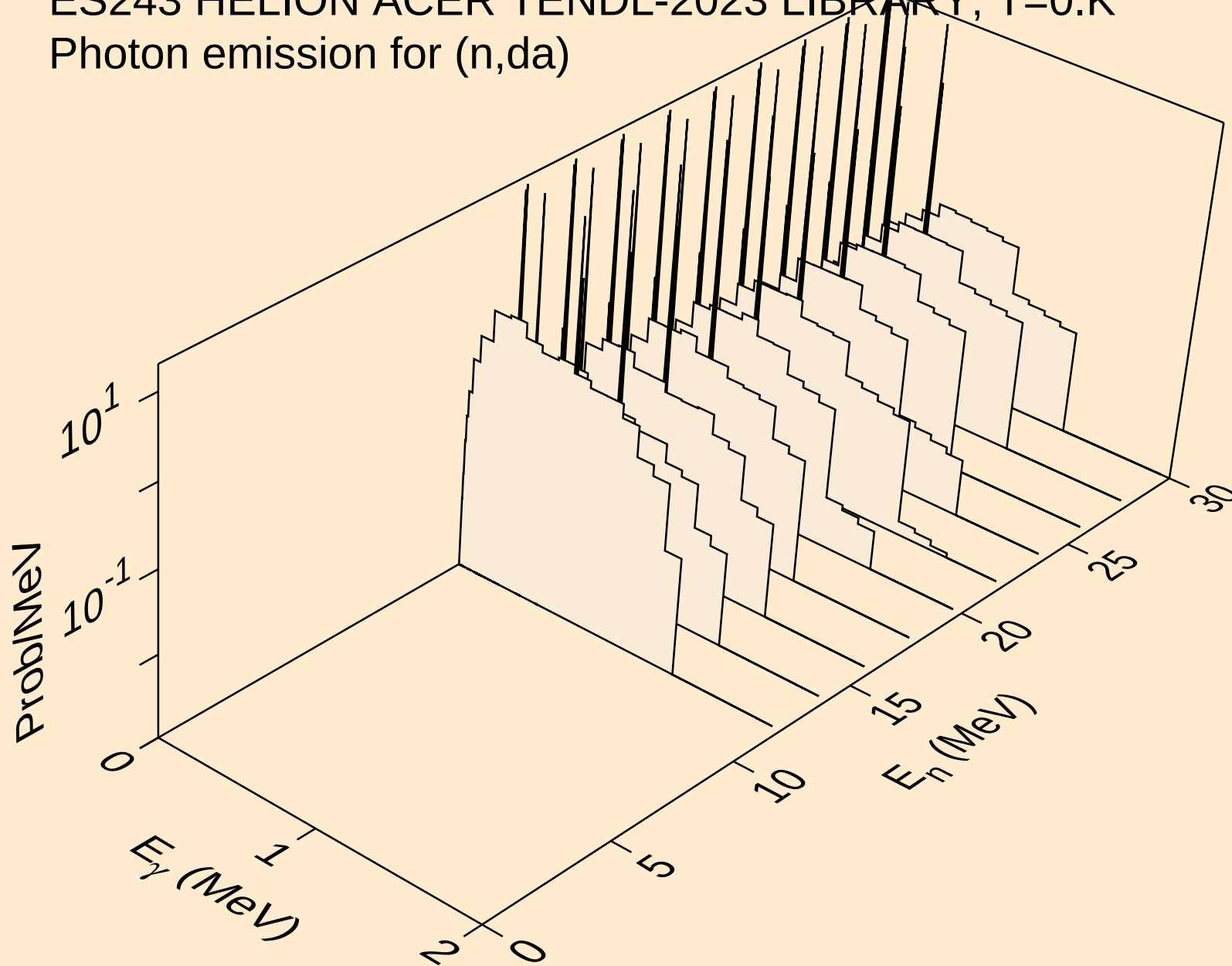


ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,p $\alpha$ )

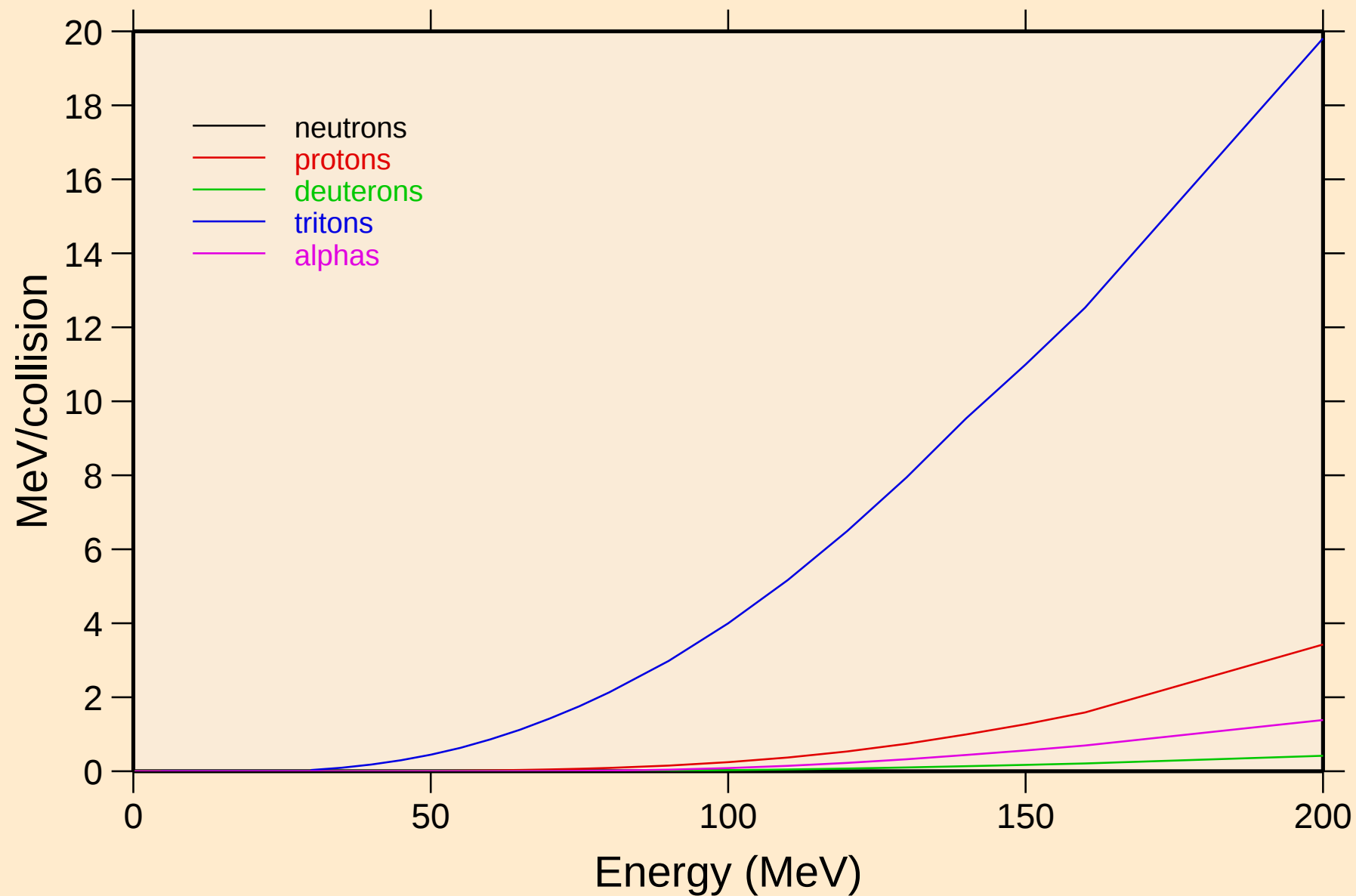


ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



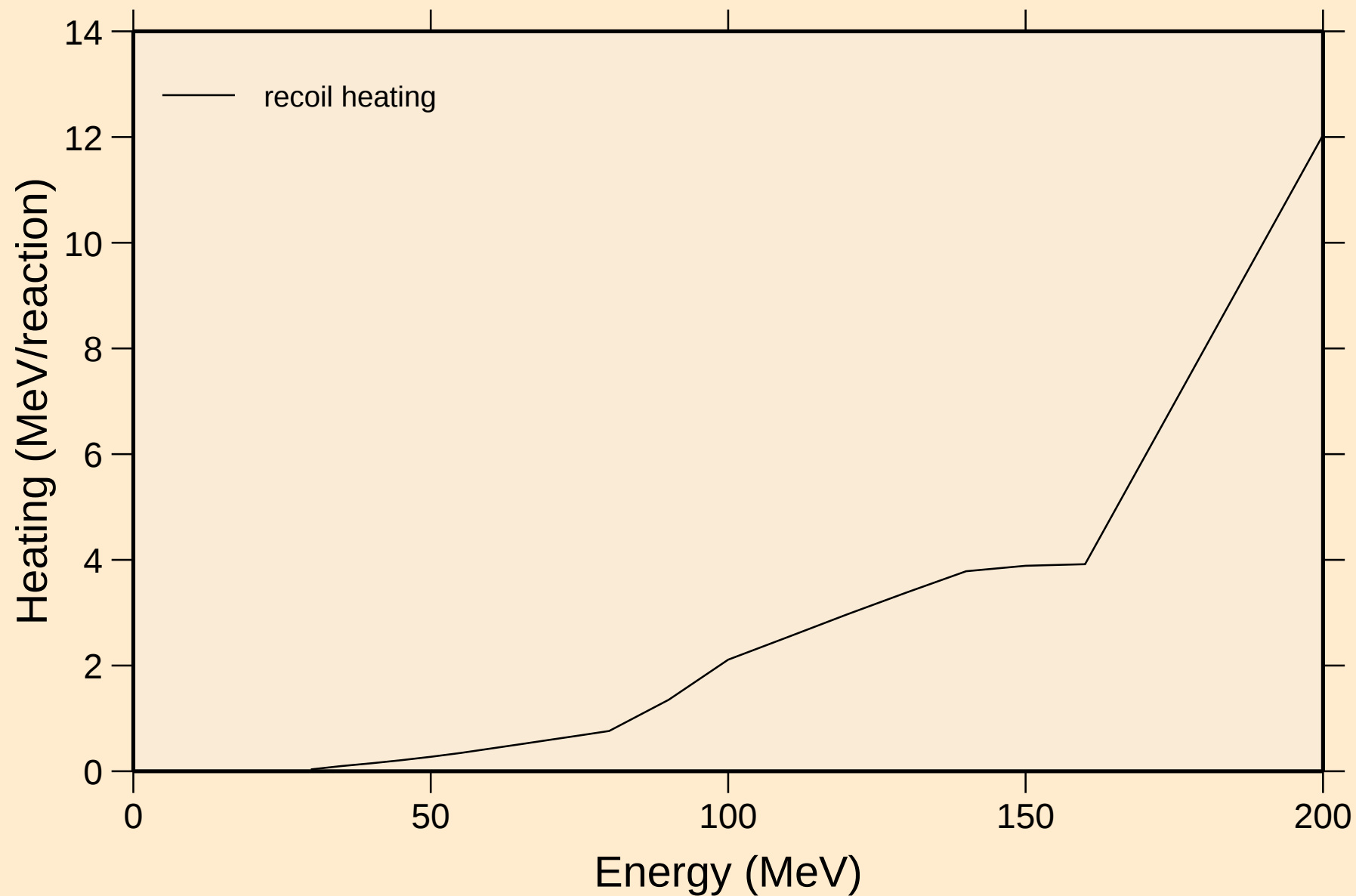
# ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



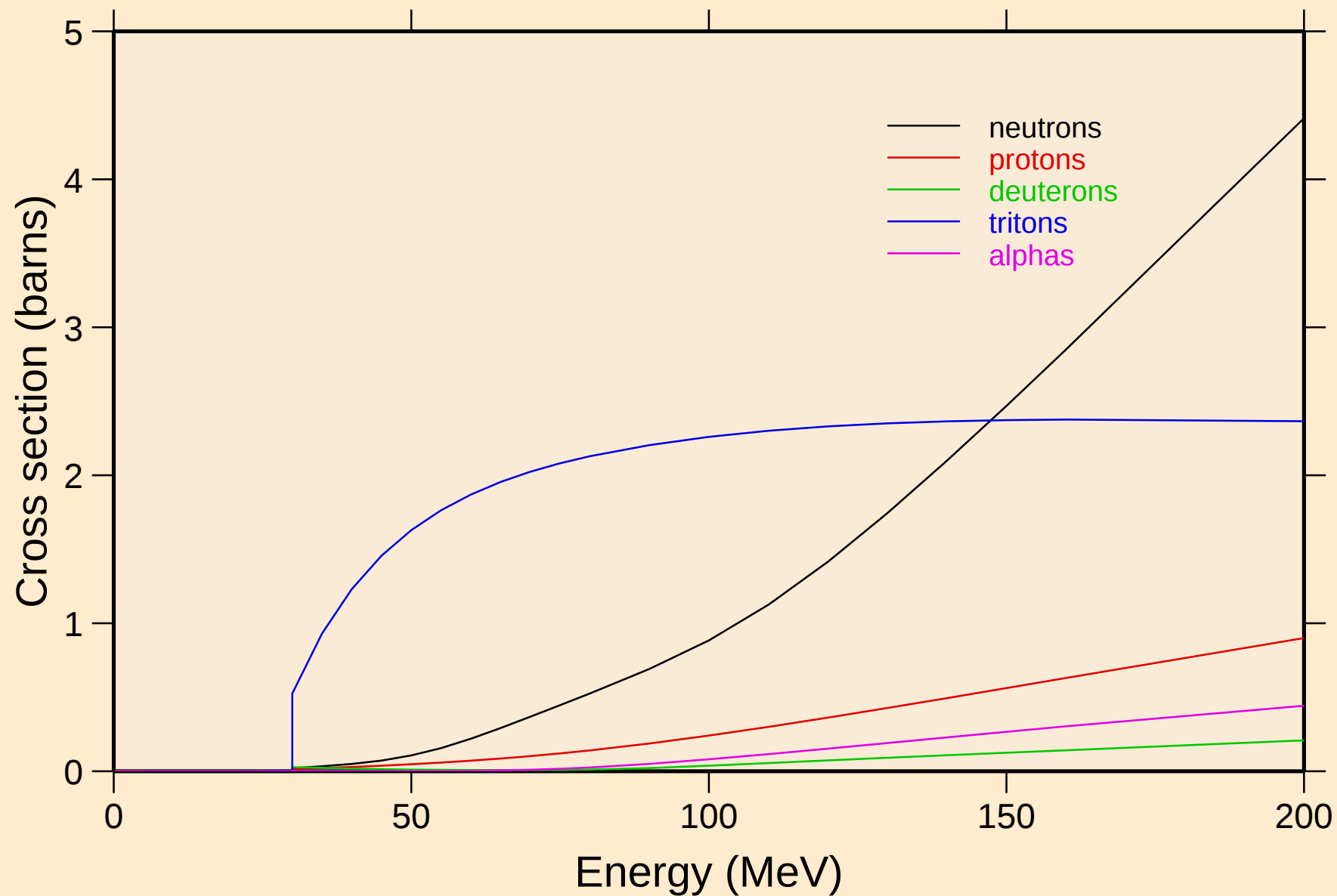
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Recoil Heating

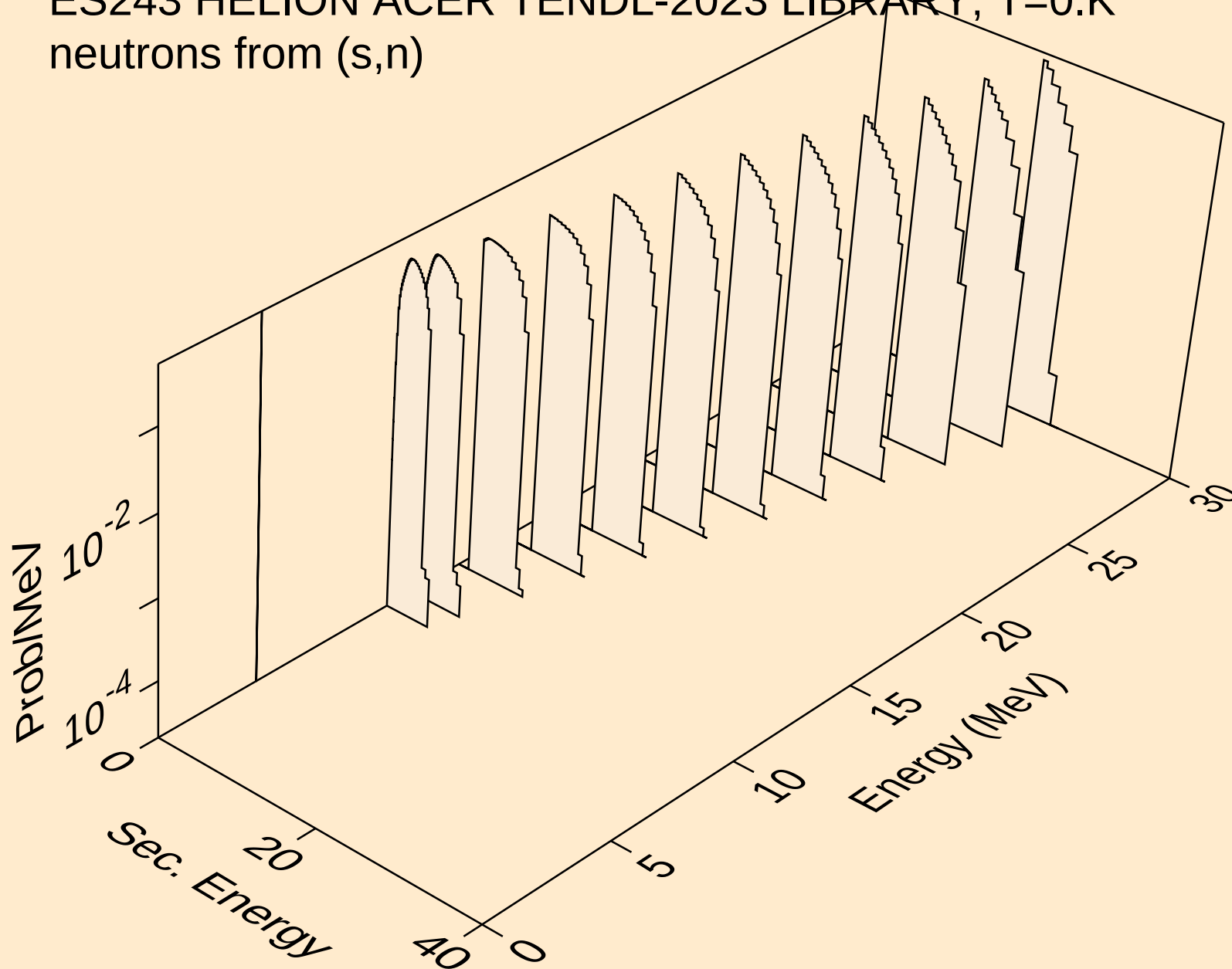


ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K

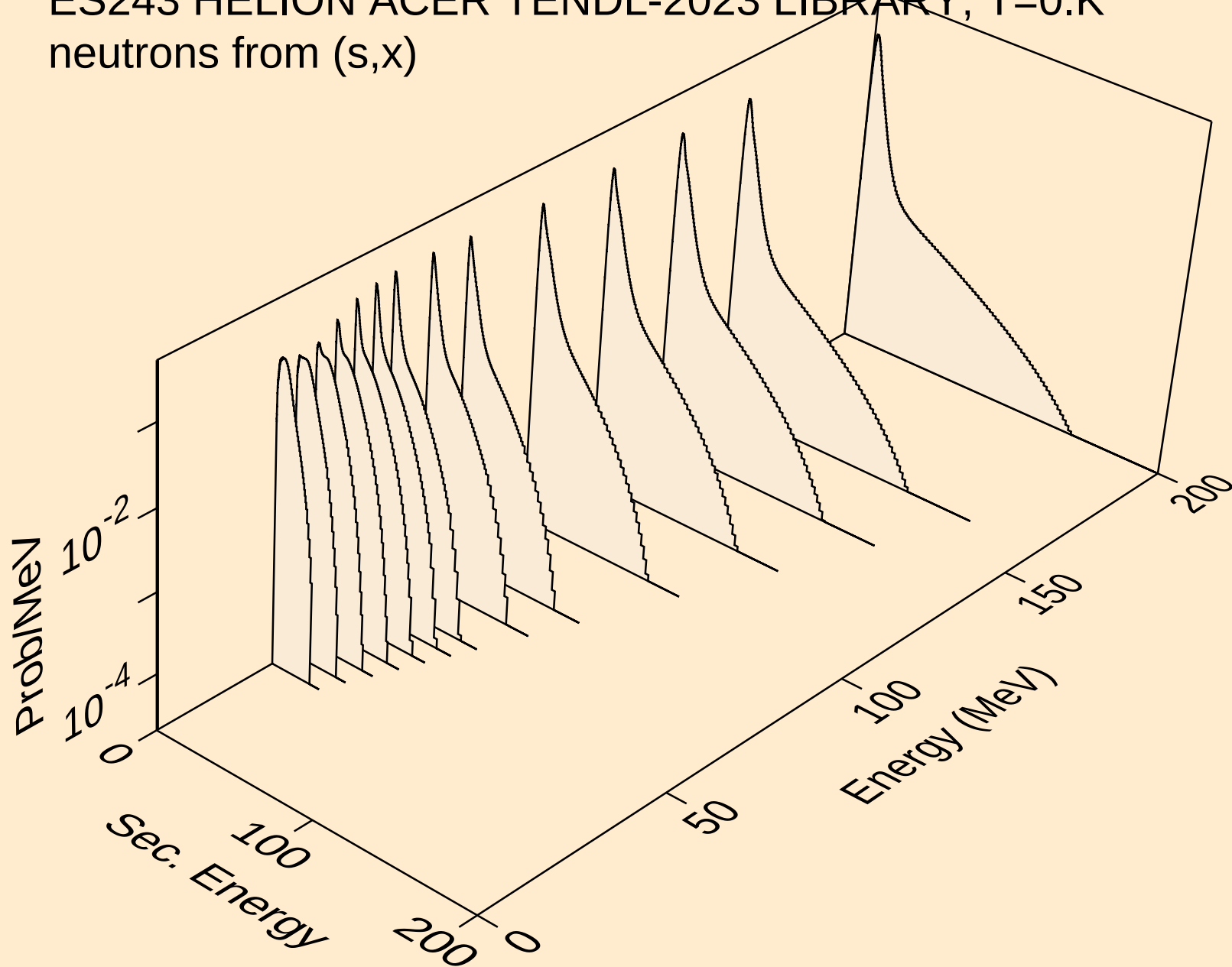
Particle production cross sections



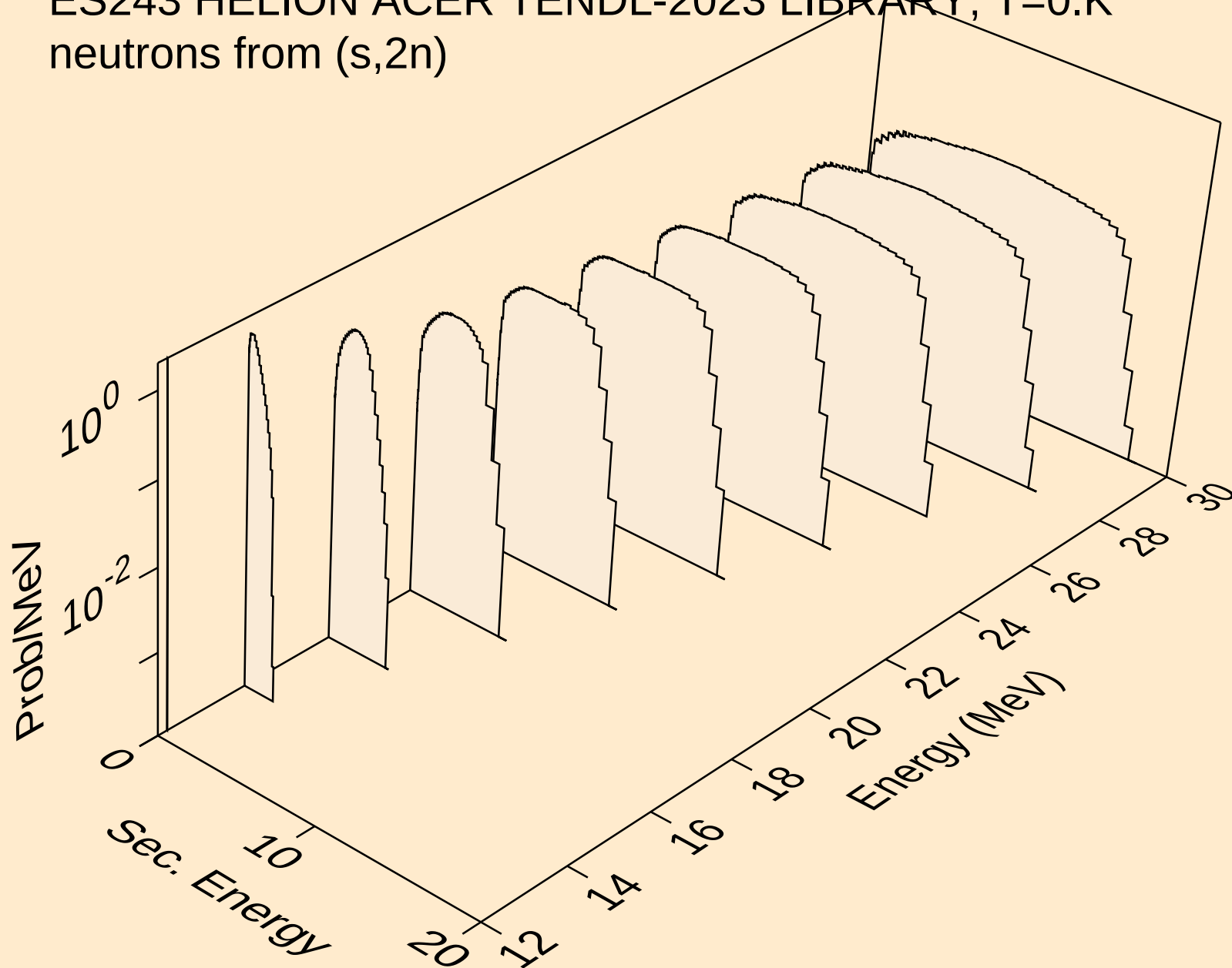
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



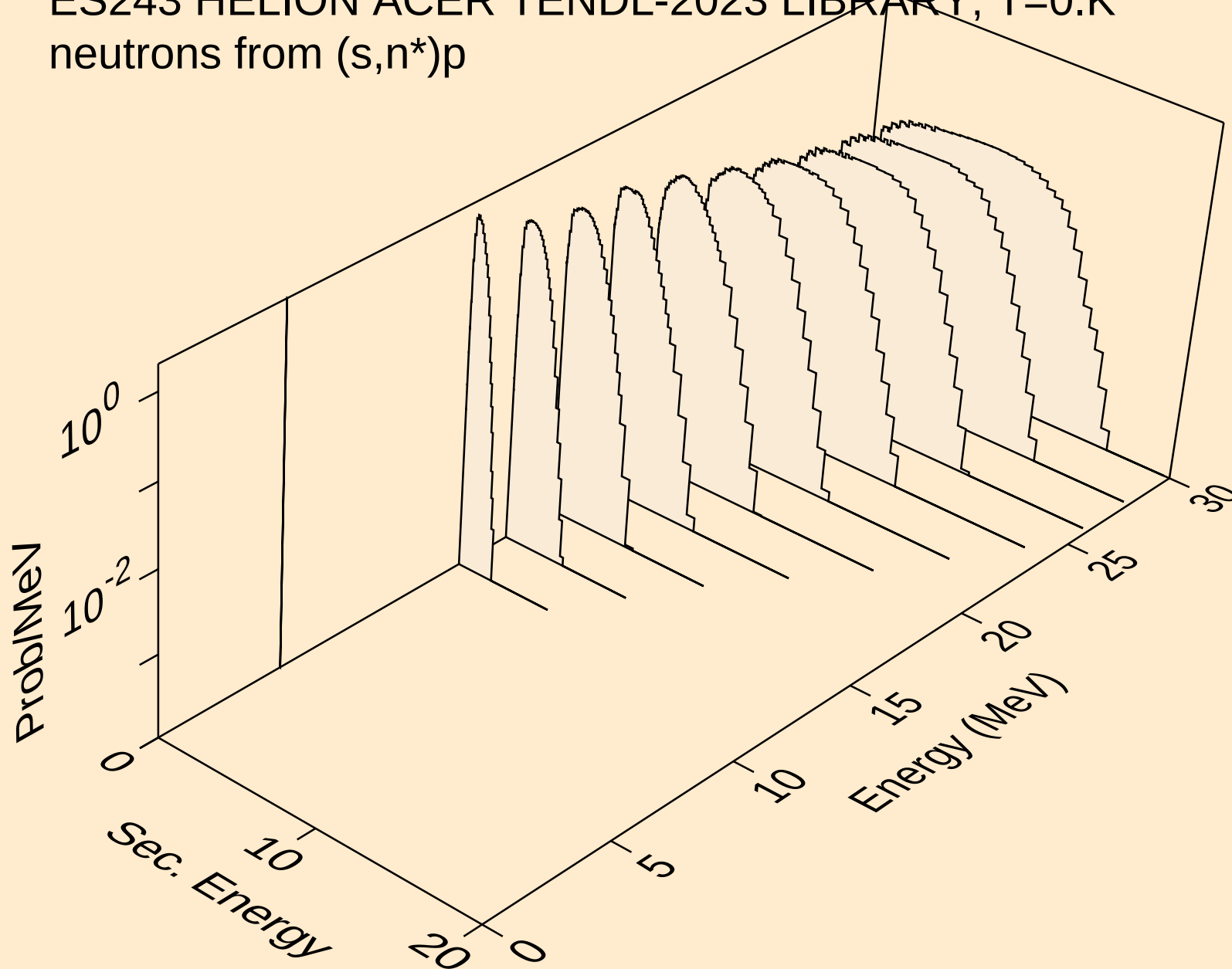
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,x)



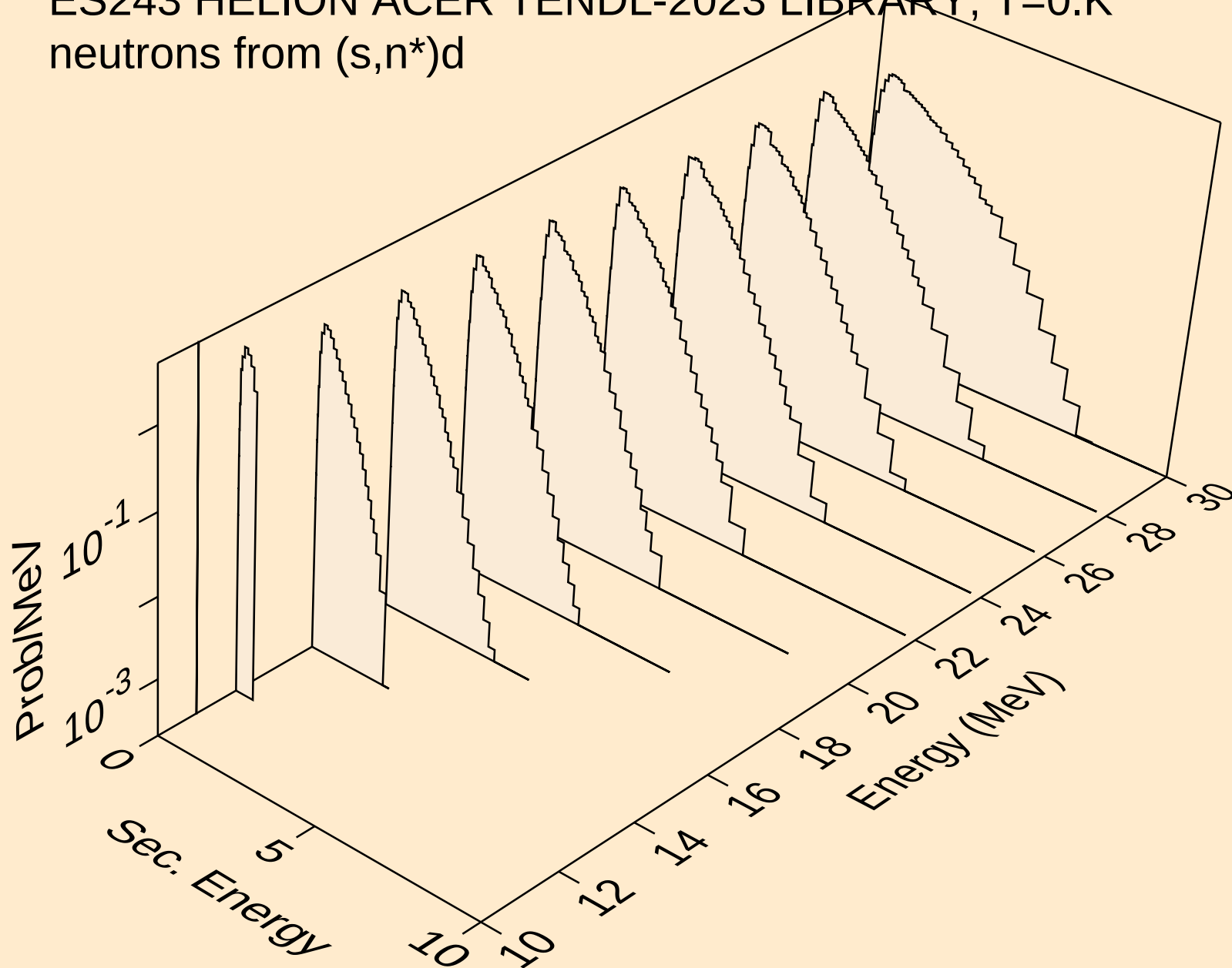
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)



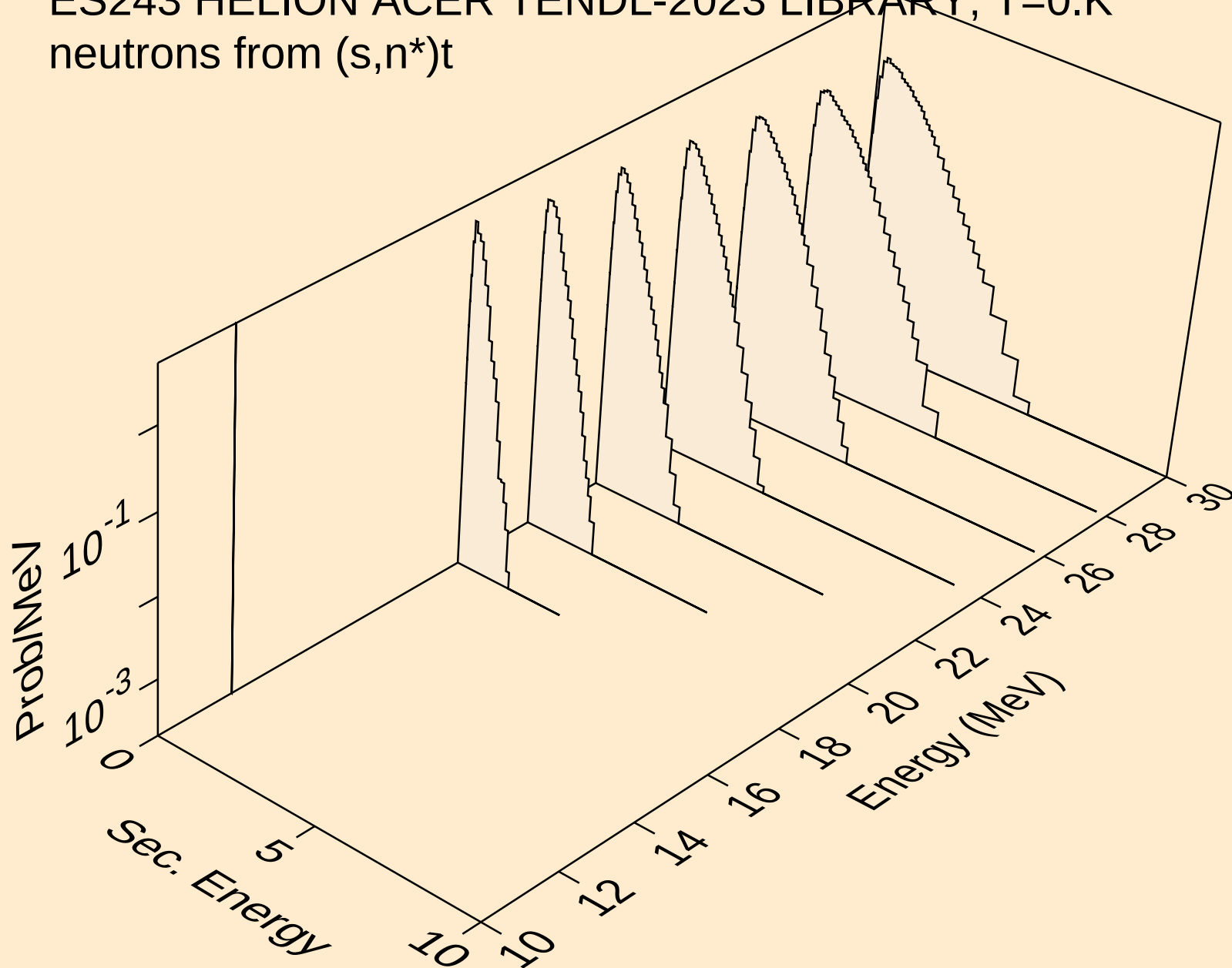
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)p



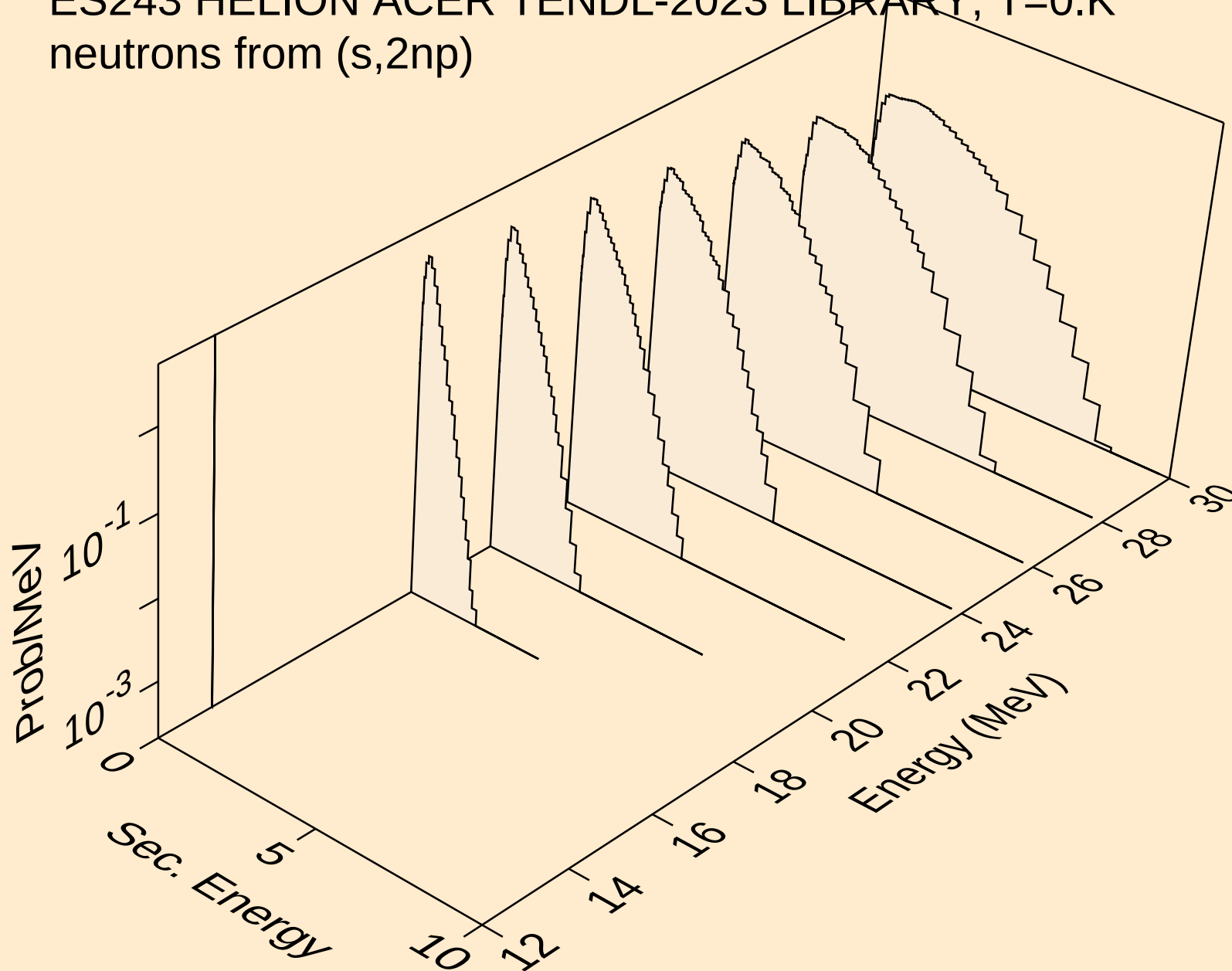
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)d



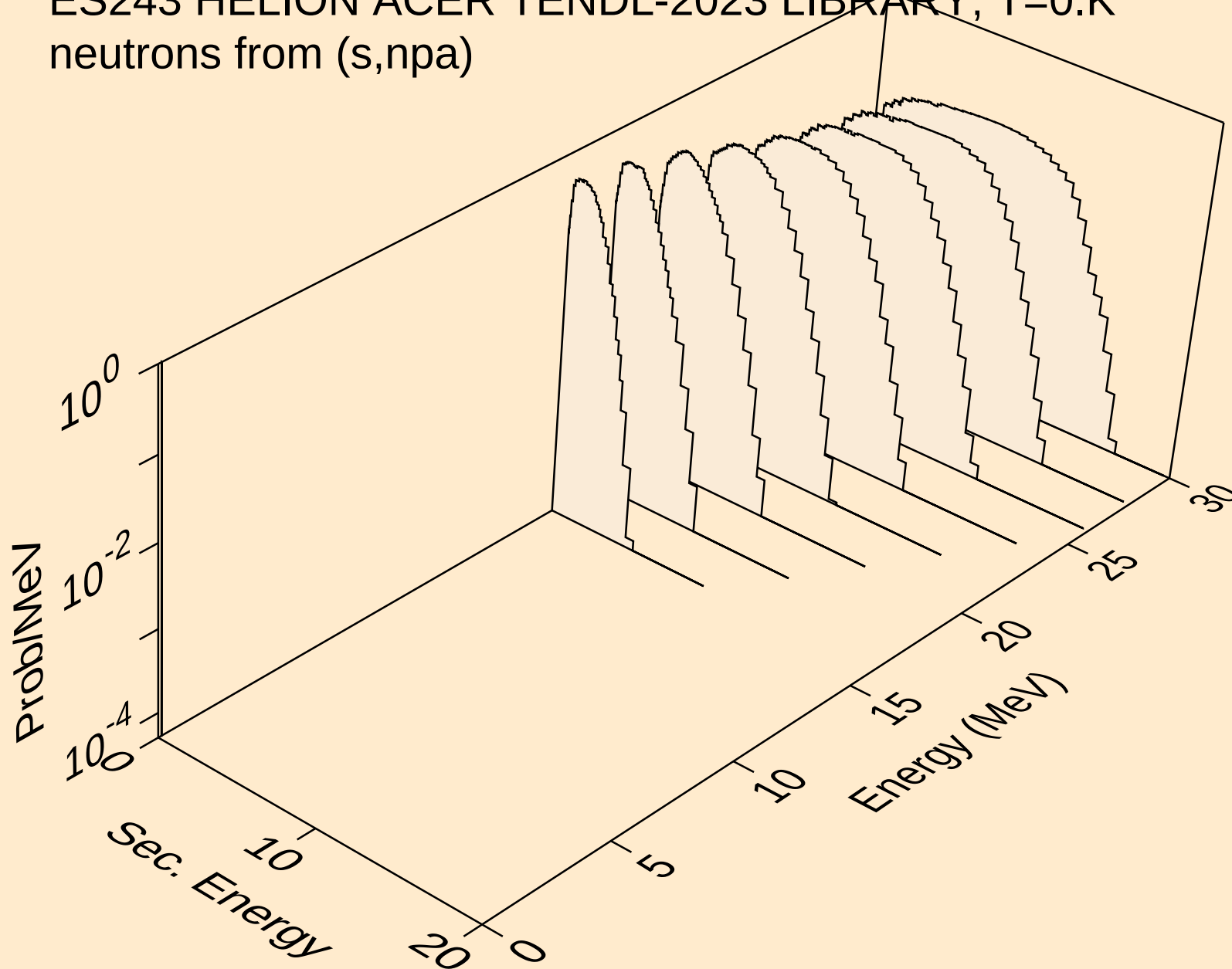
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)t



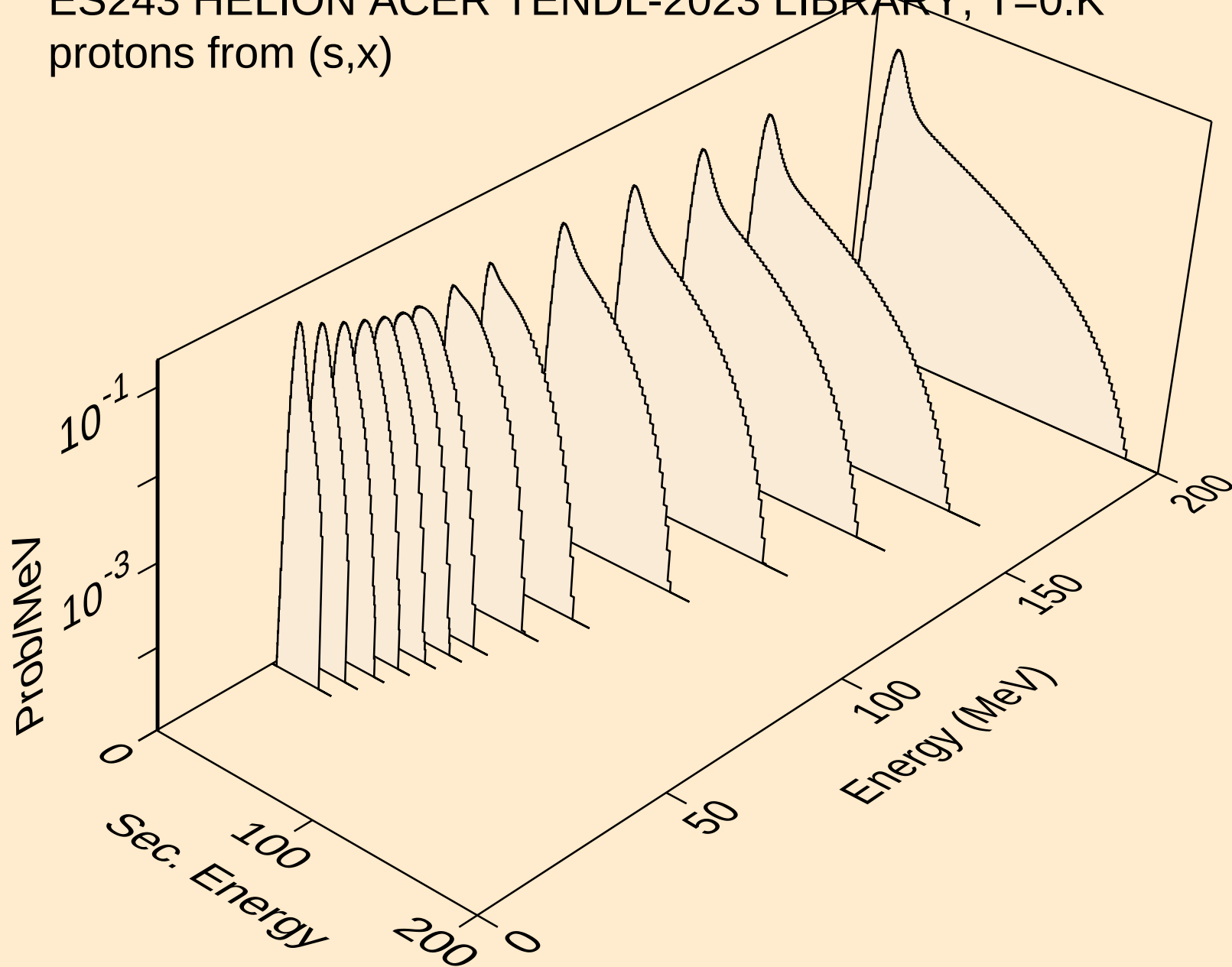
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2np)



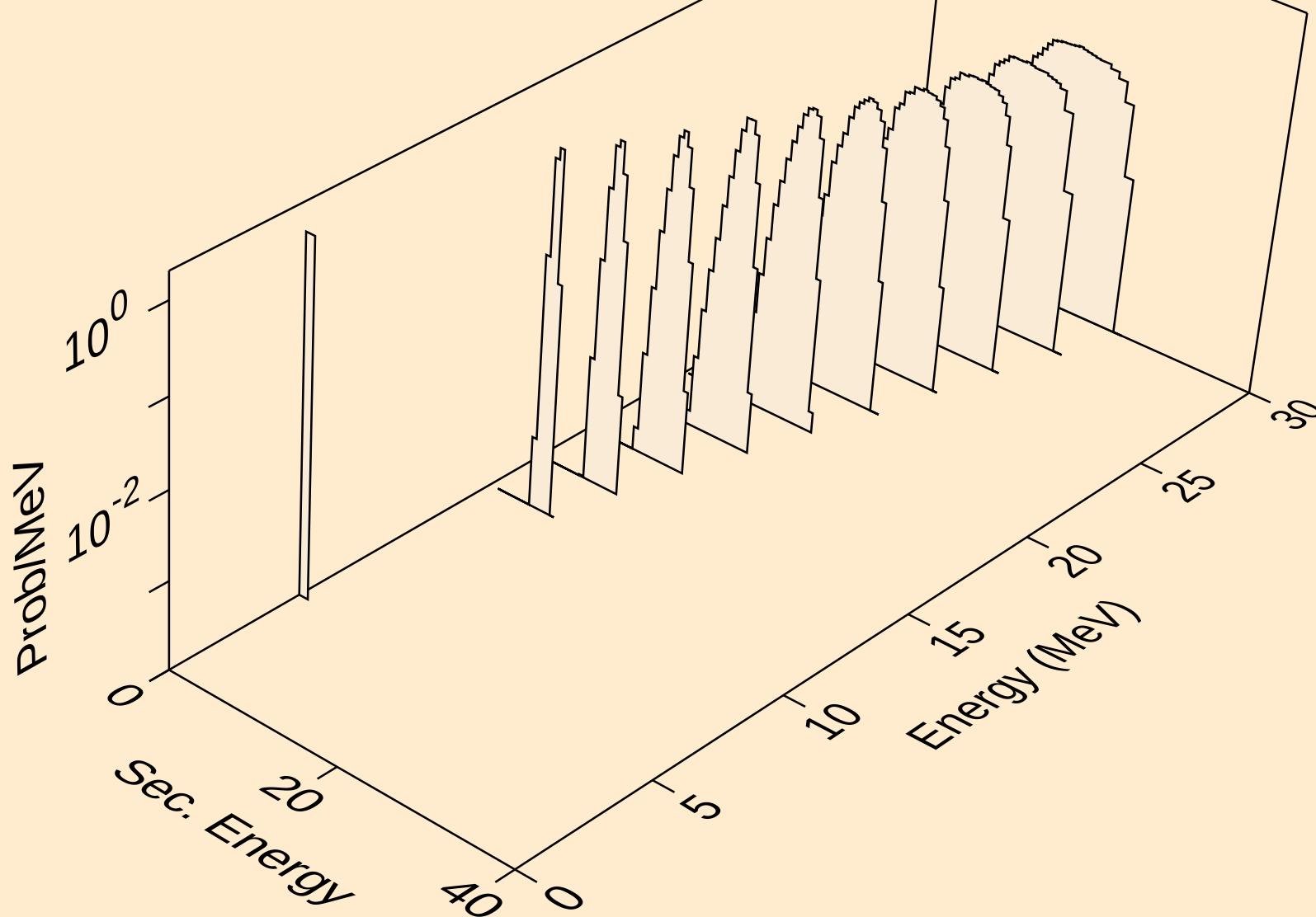
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,npa)



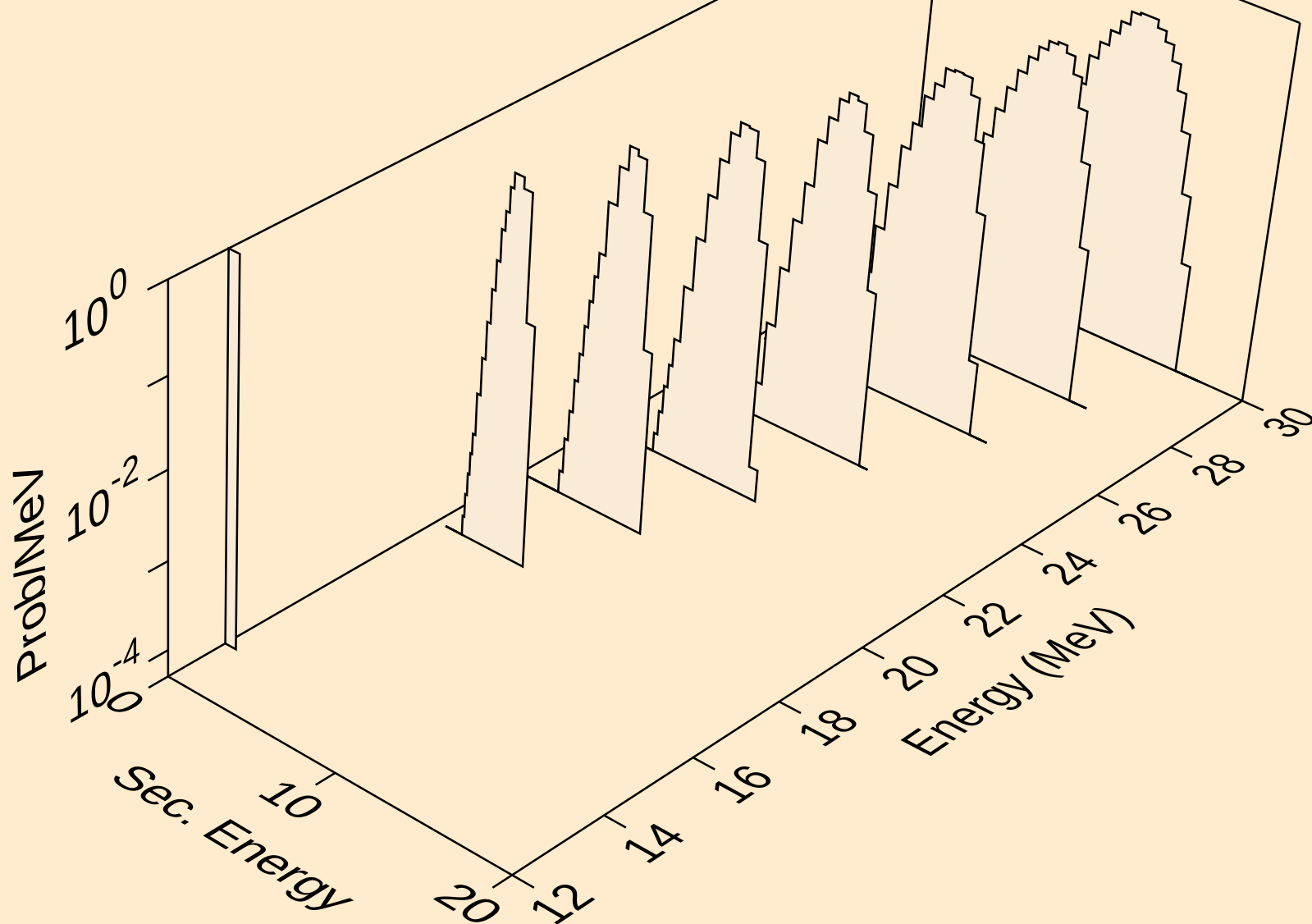
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,x)



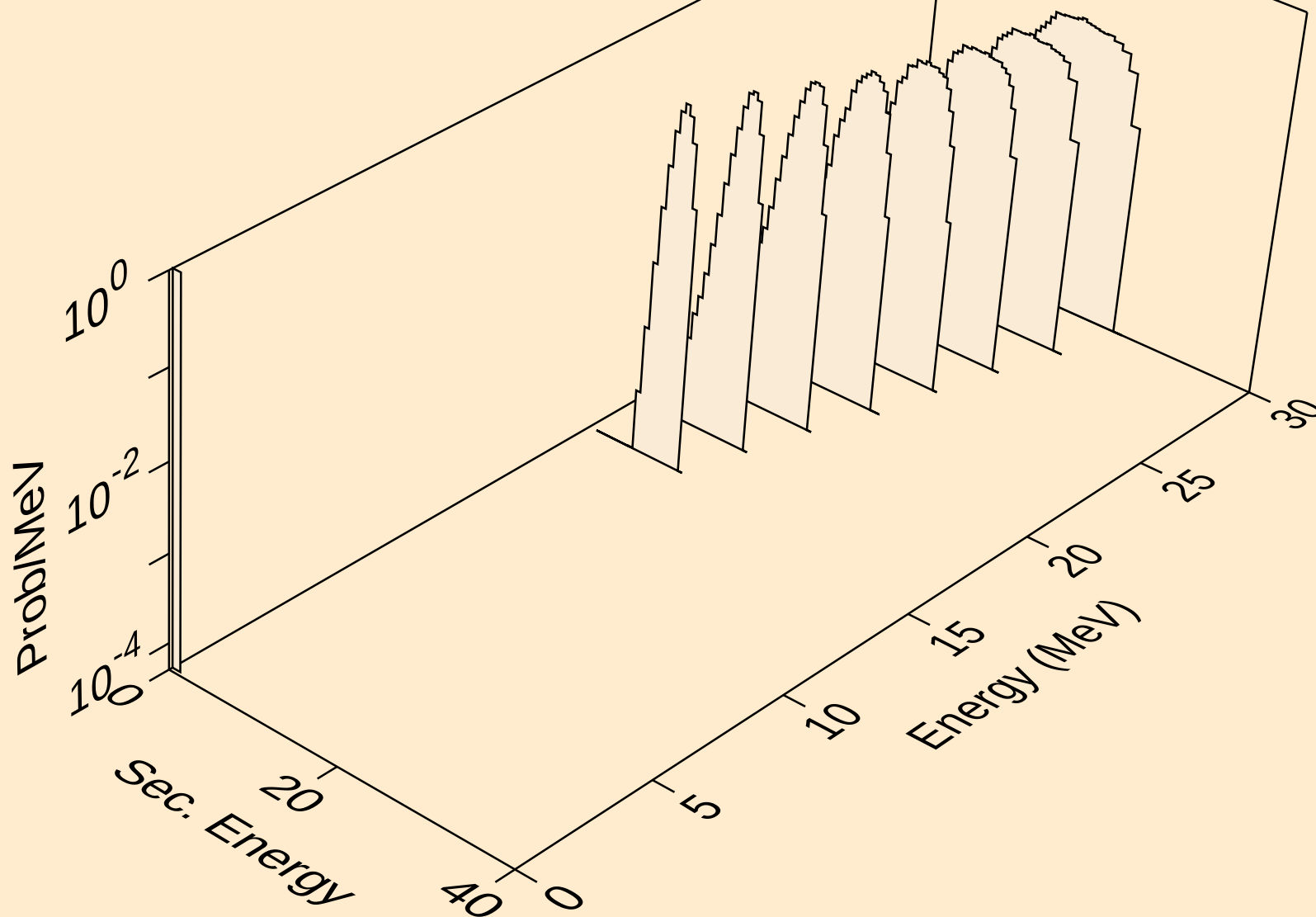
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n\*)p



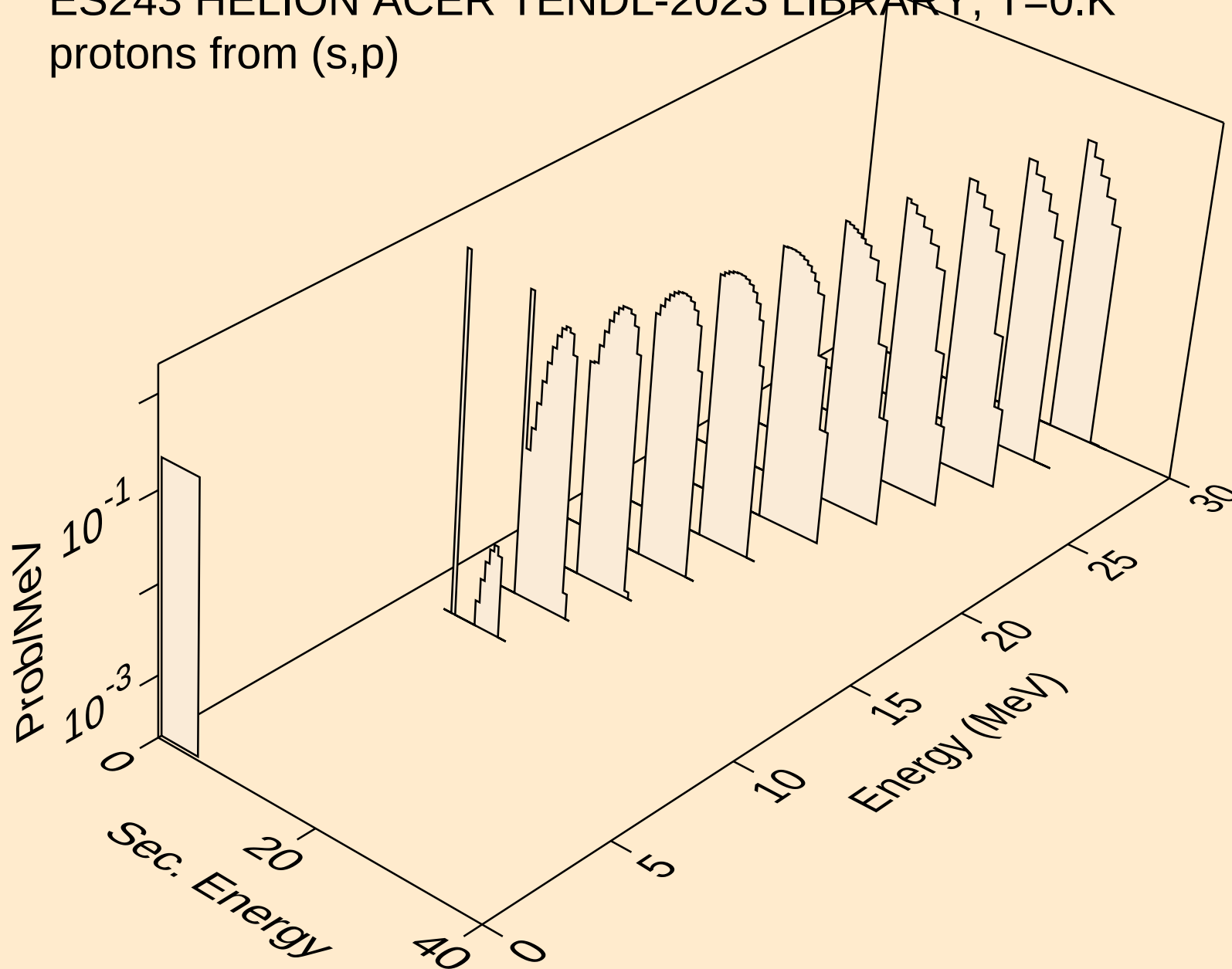
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,2np)



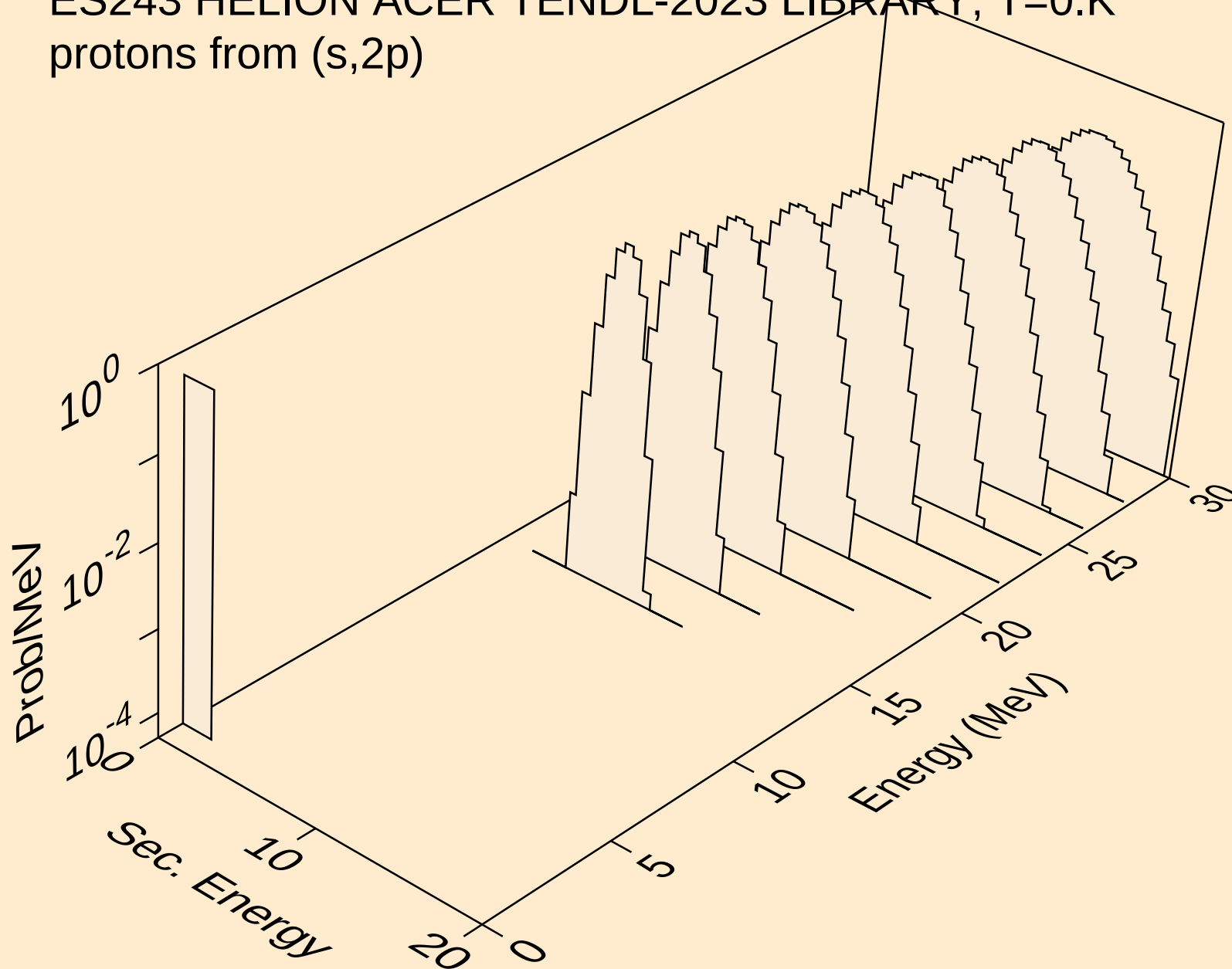
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,npa)



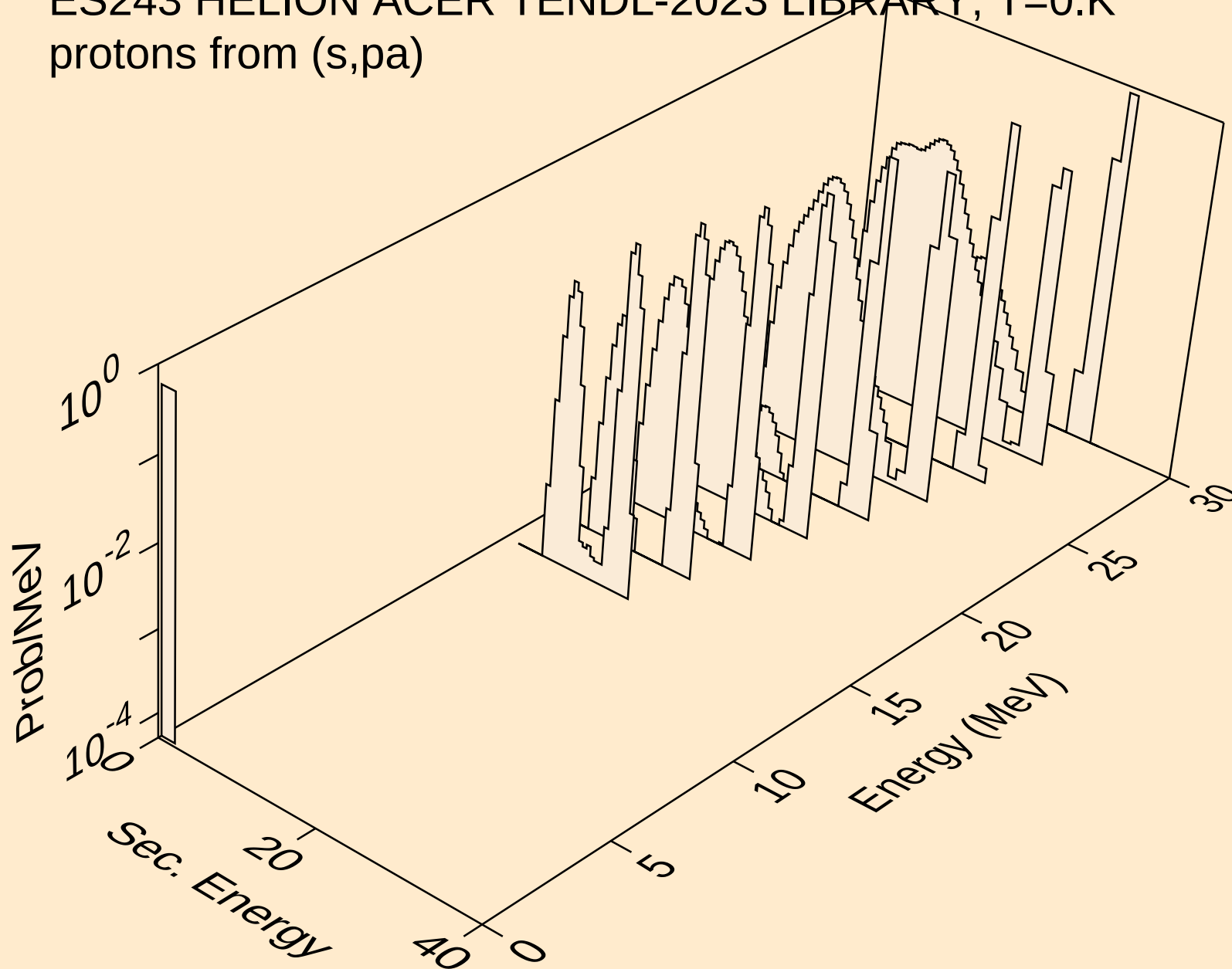
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,p)



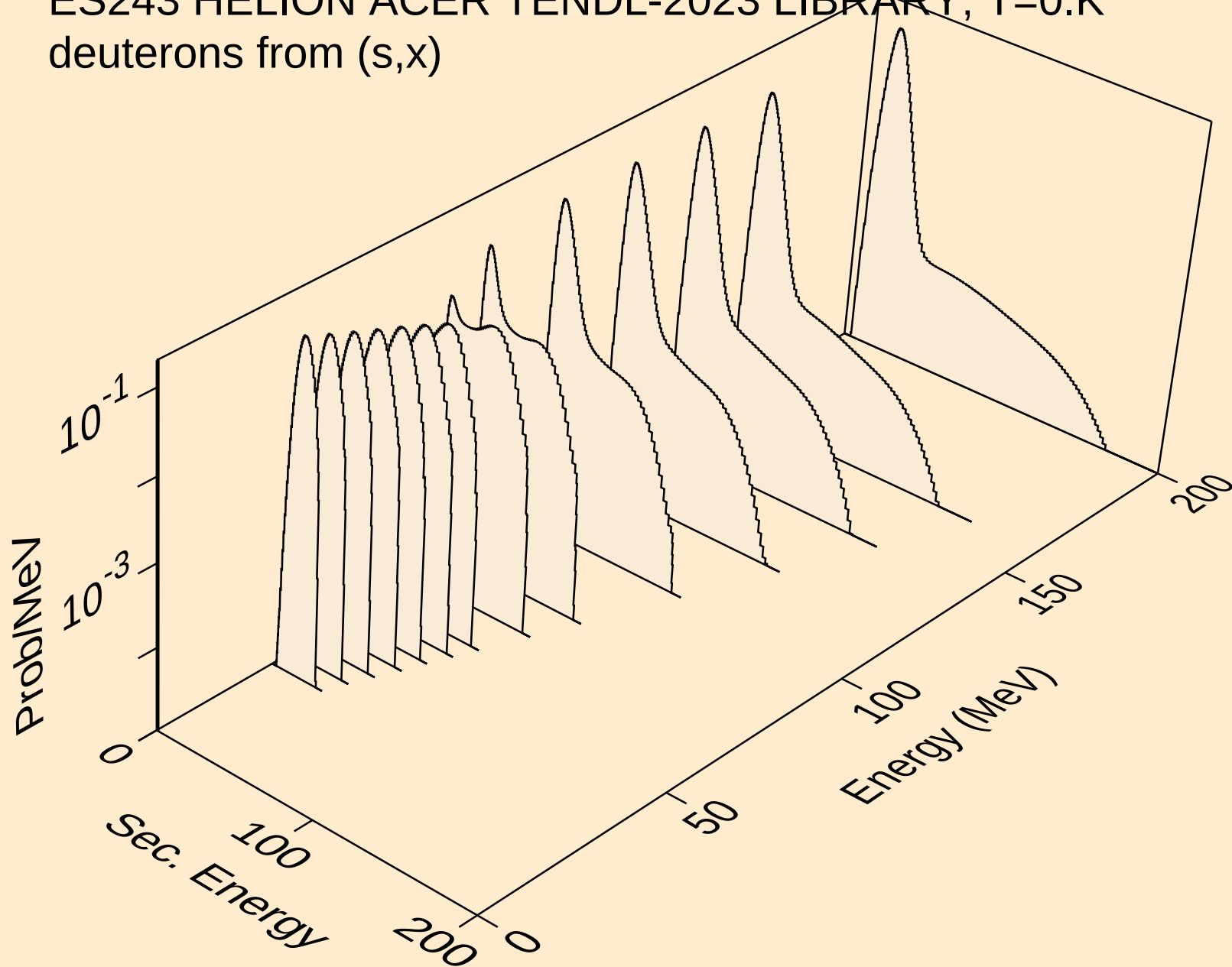
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,2p)



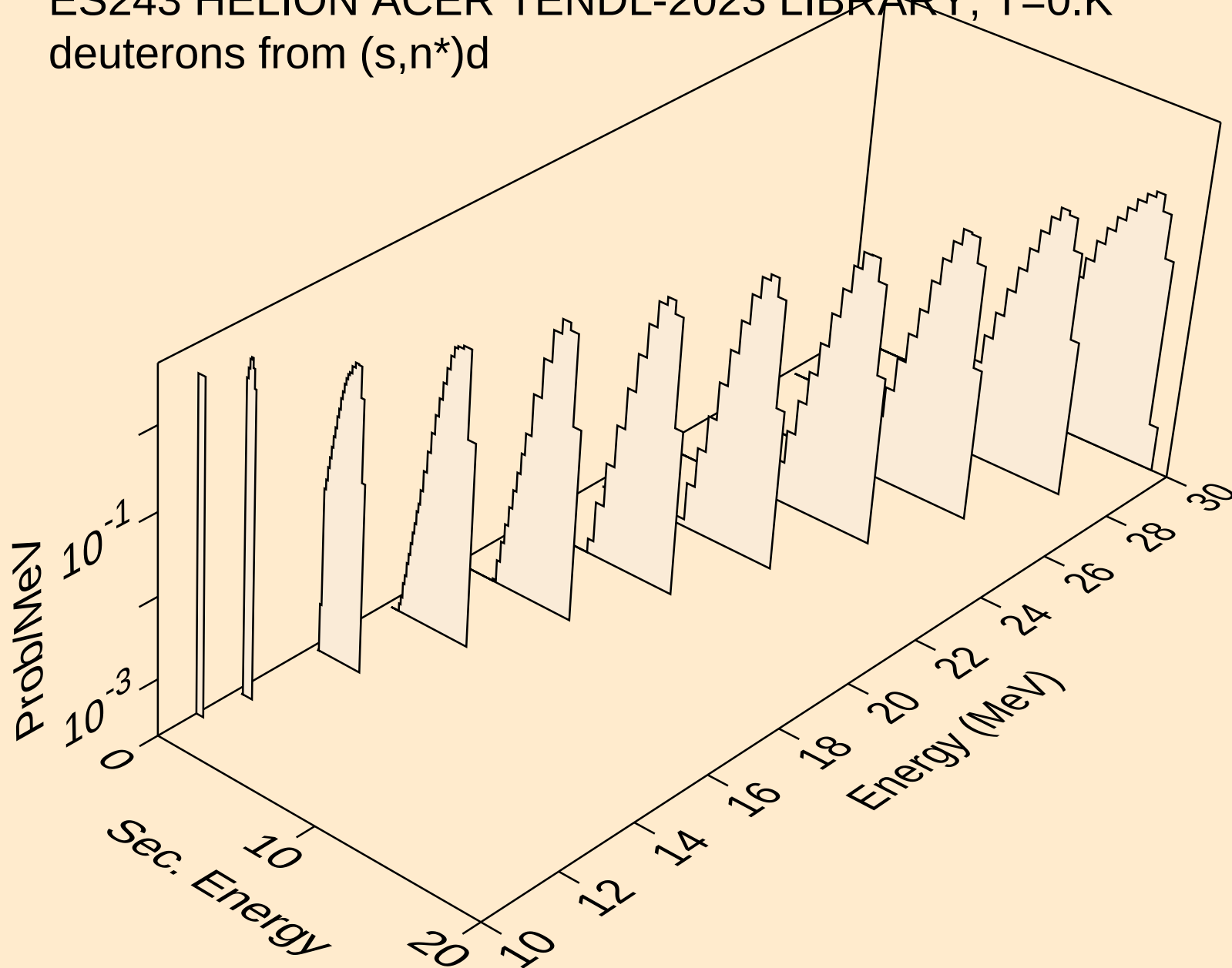
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pa)



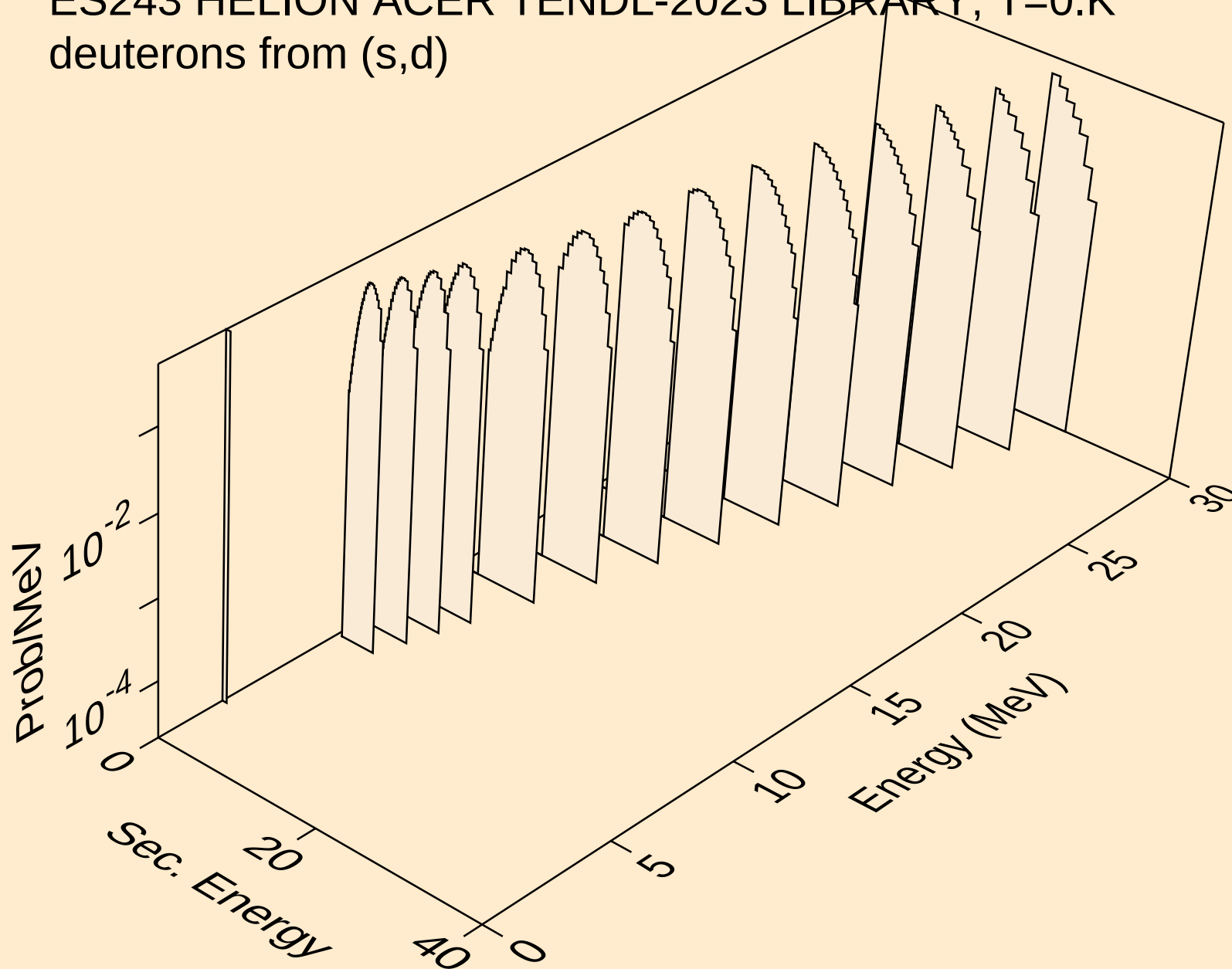
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,x)



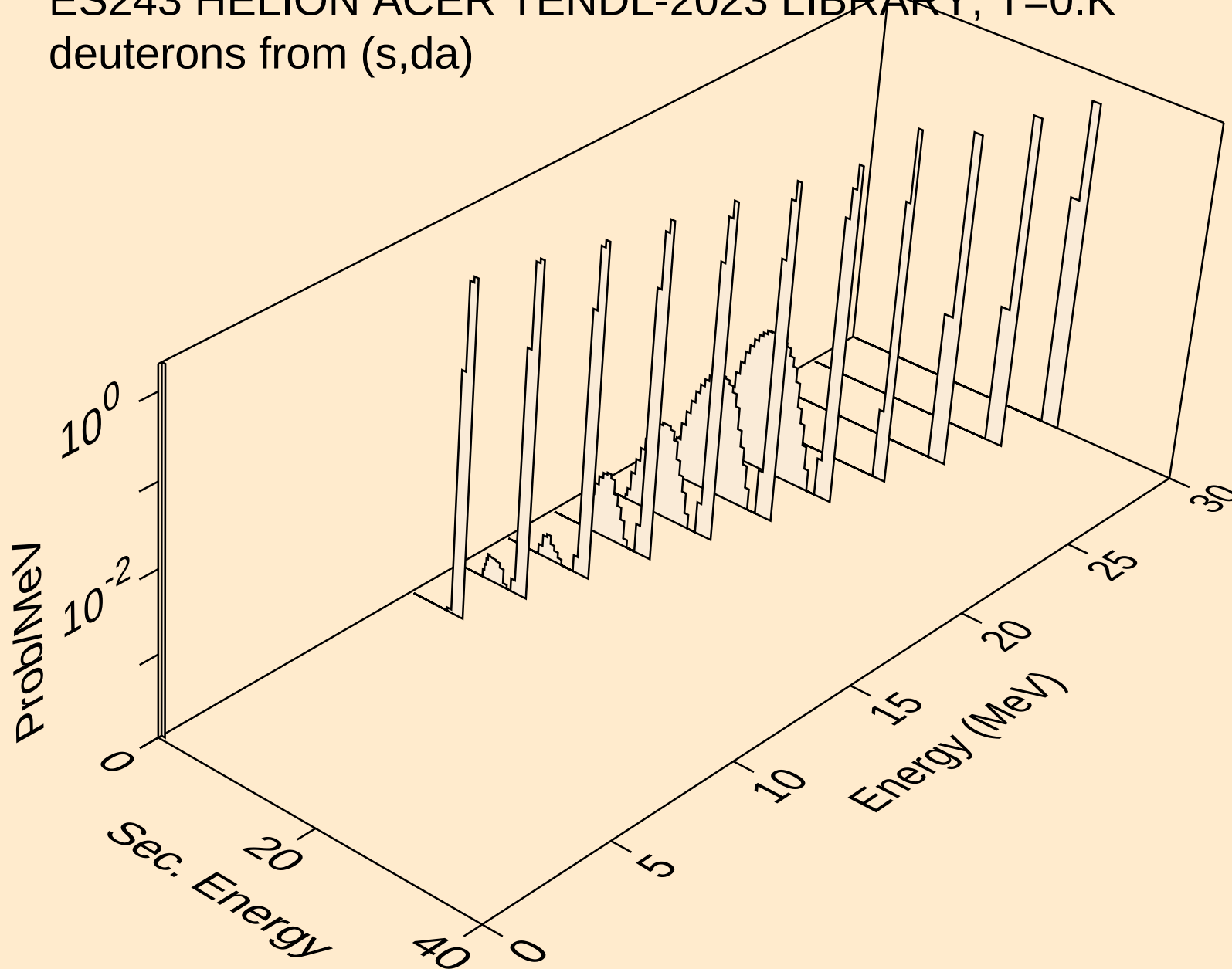
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,n\*)d



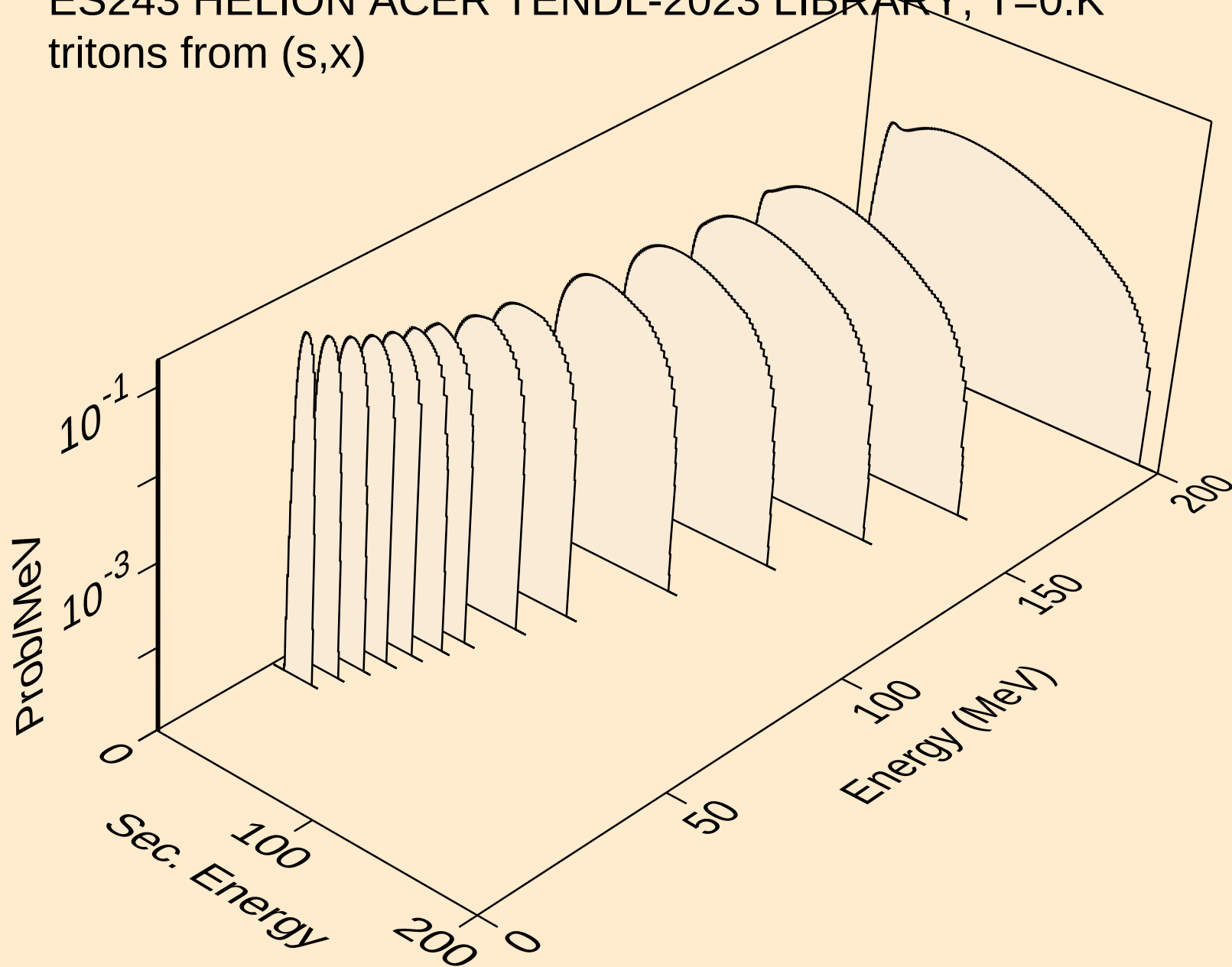
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,d)



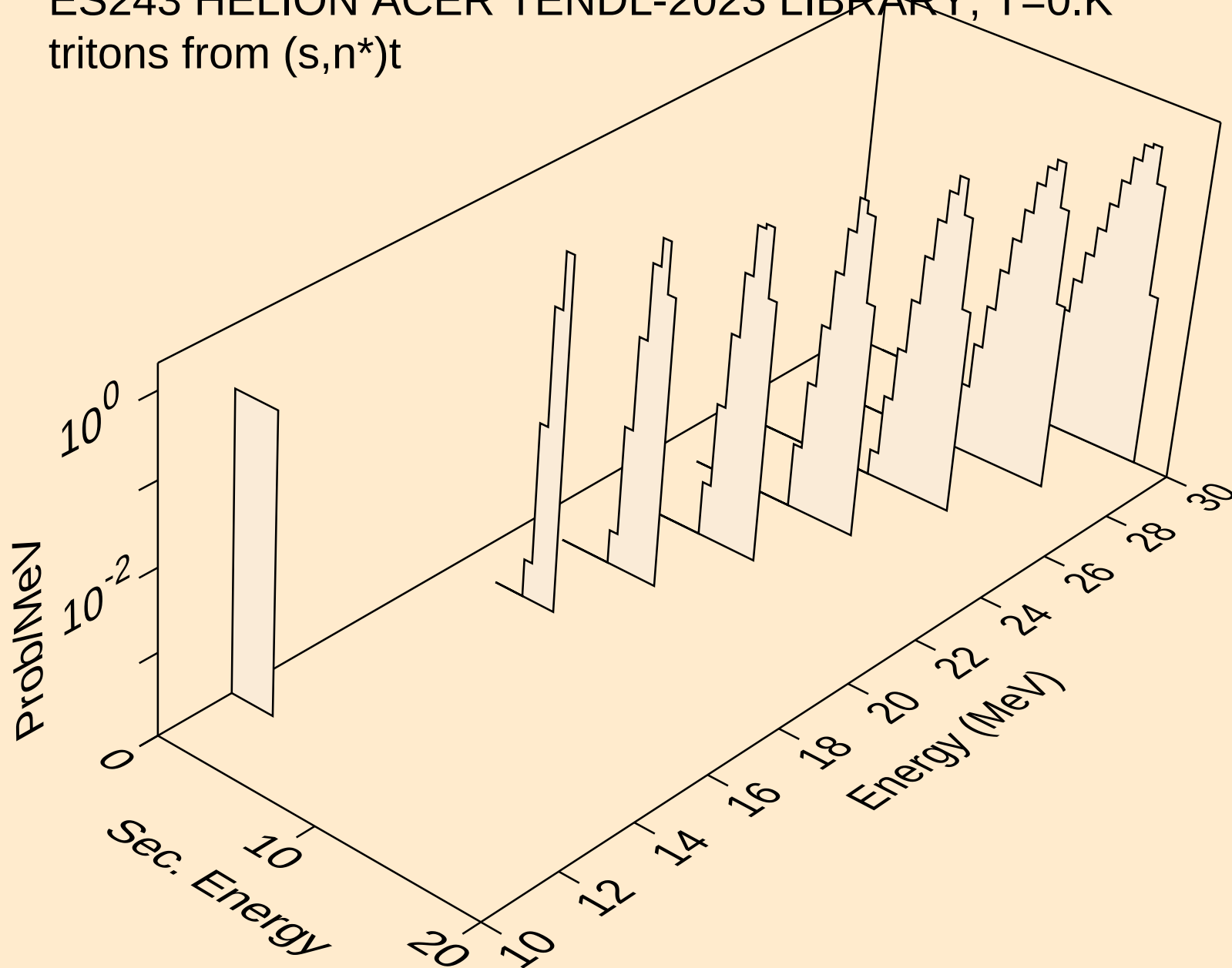
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,da)



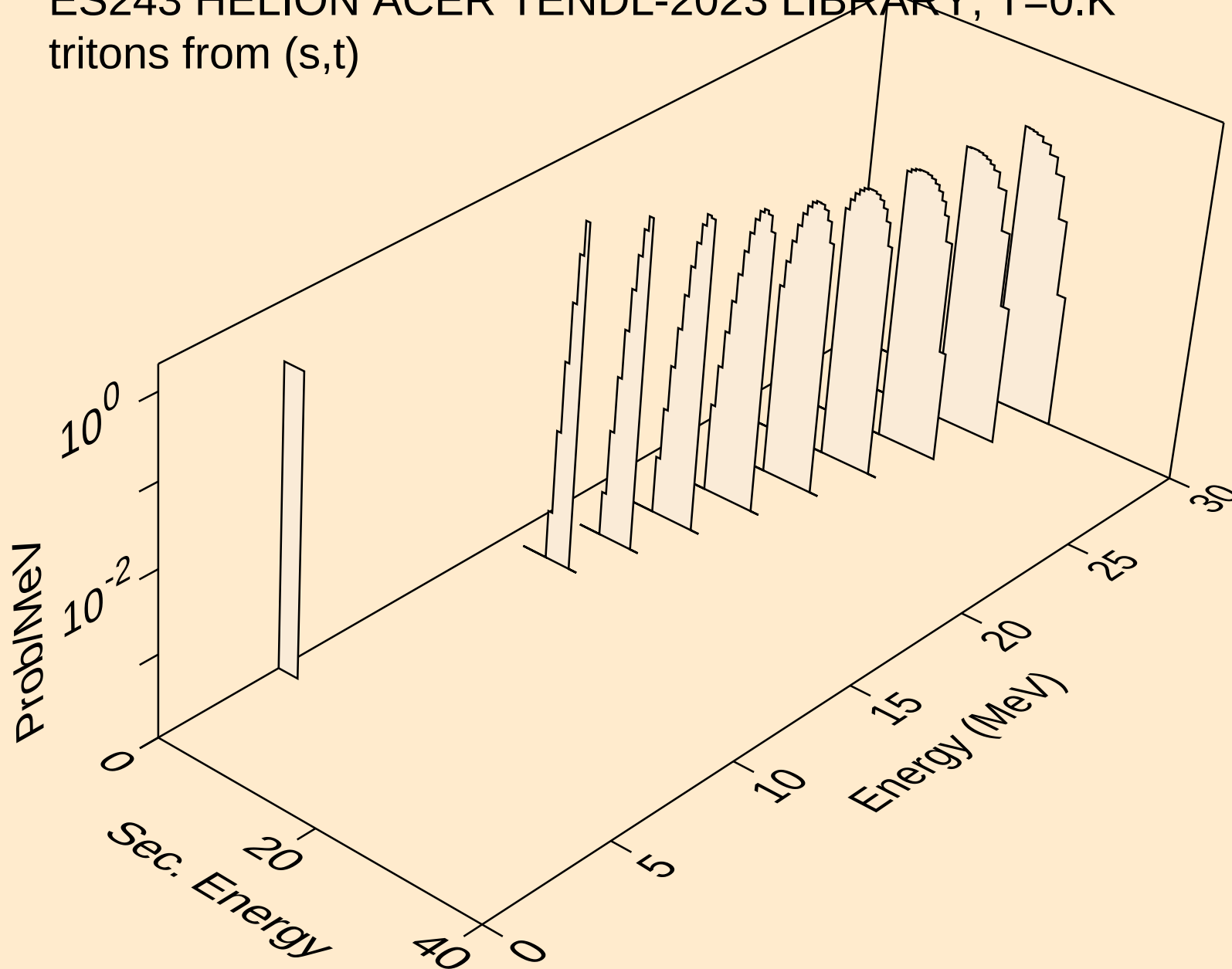
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,x)



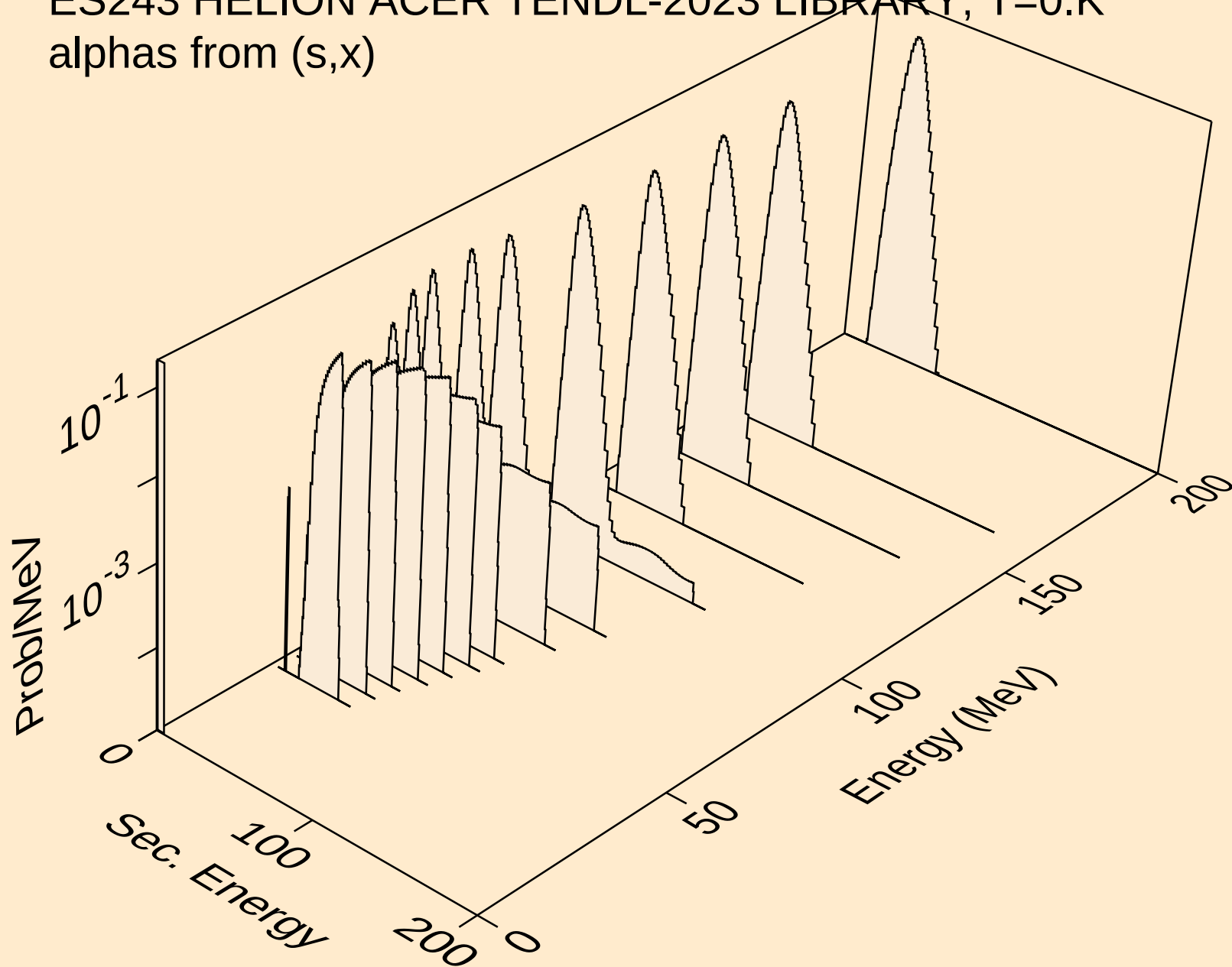
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,n\*)t



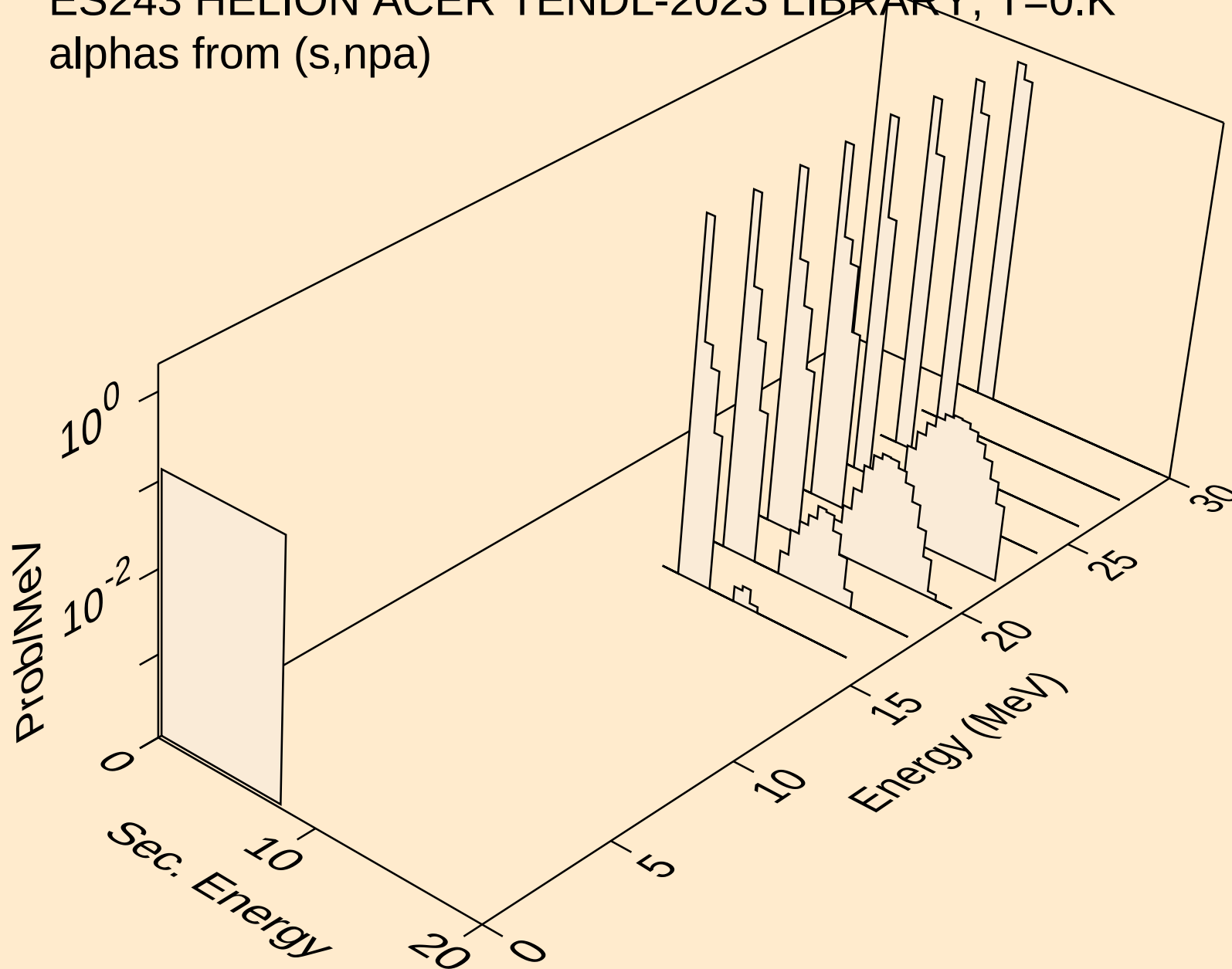
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,t)



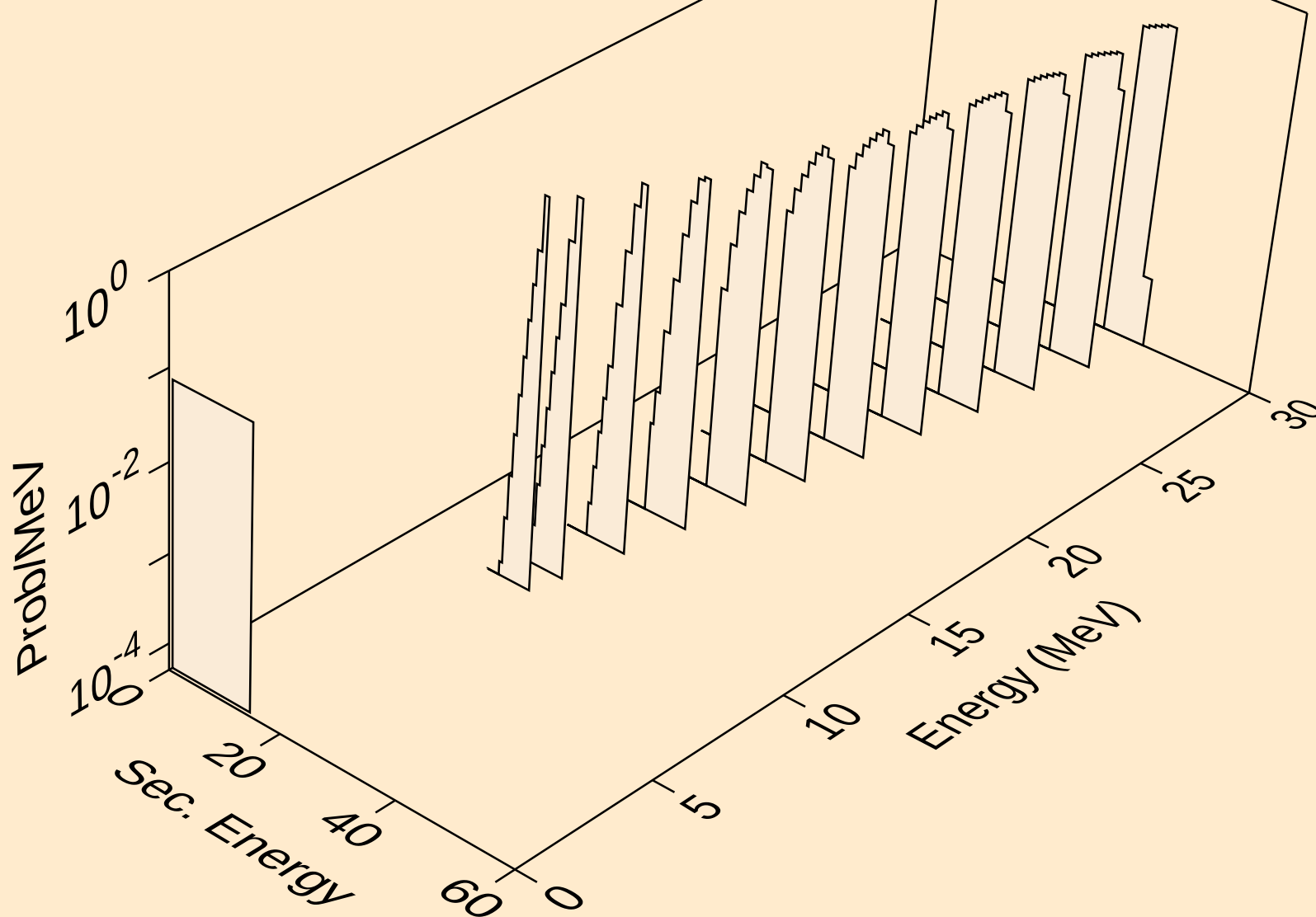
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,x)



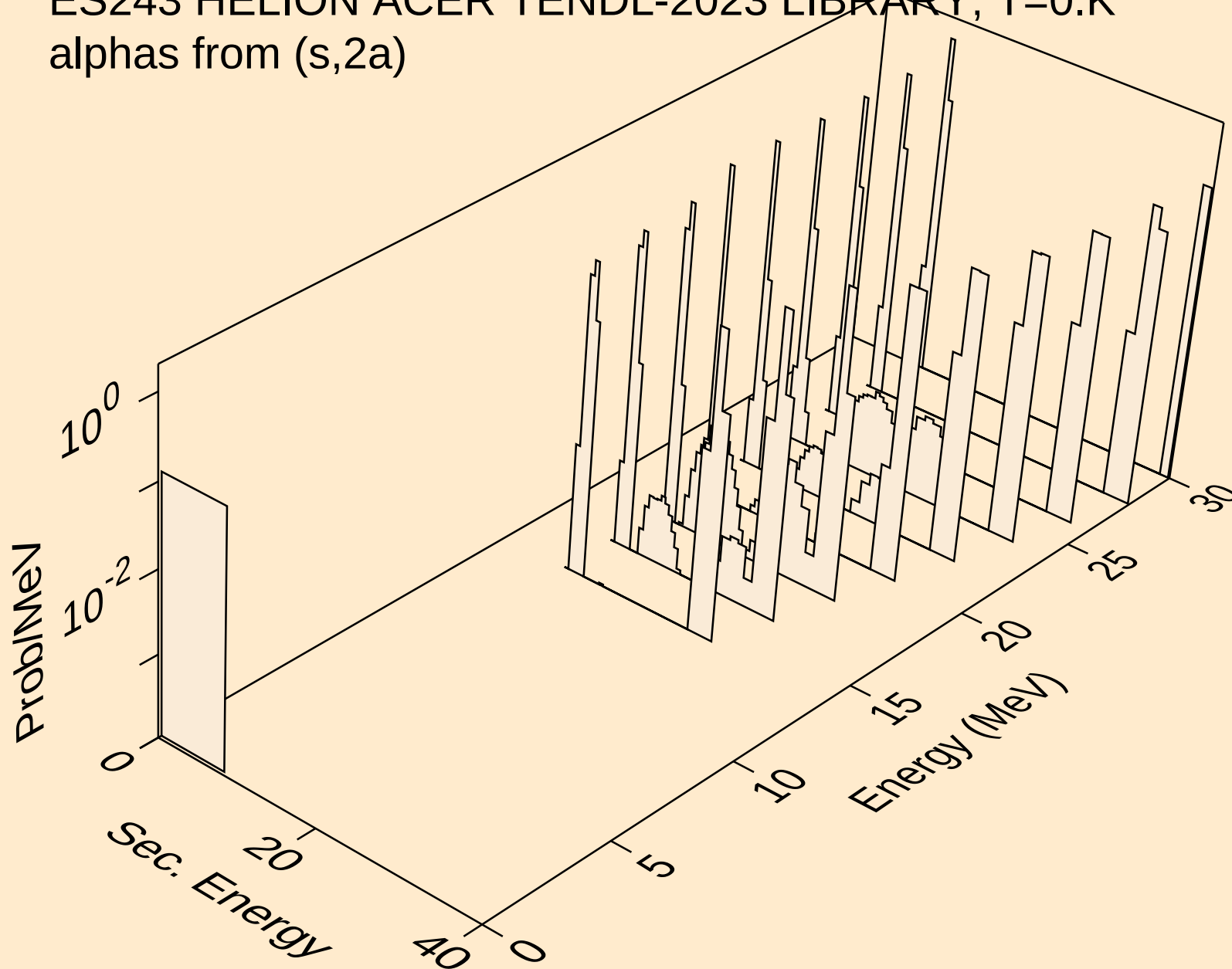
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,npa)



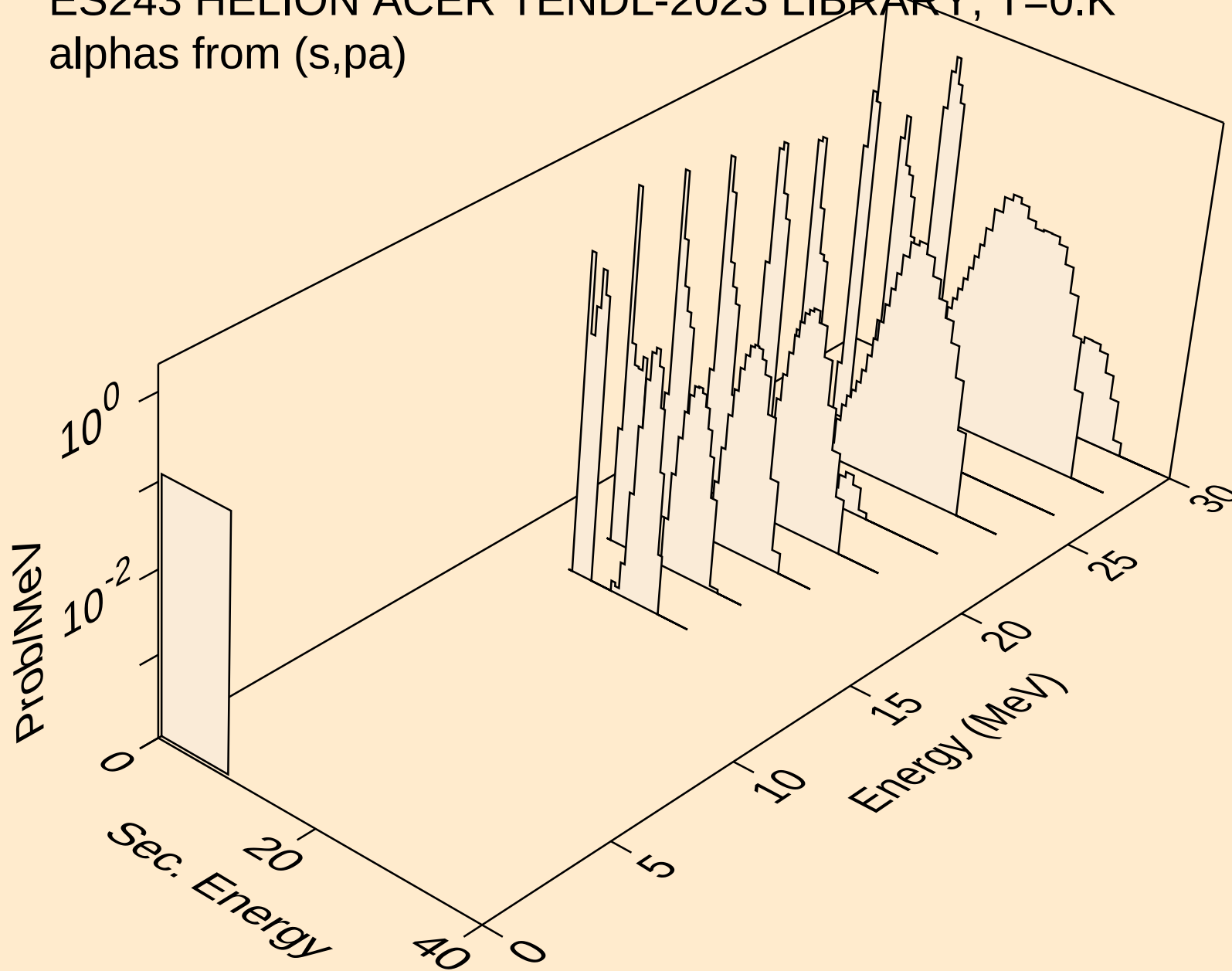
ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,a)



ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)



ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



ES243 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

