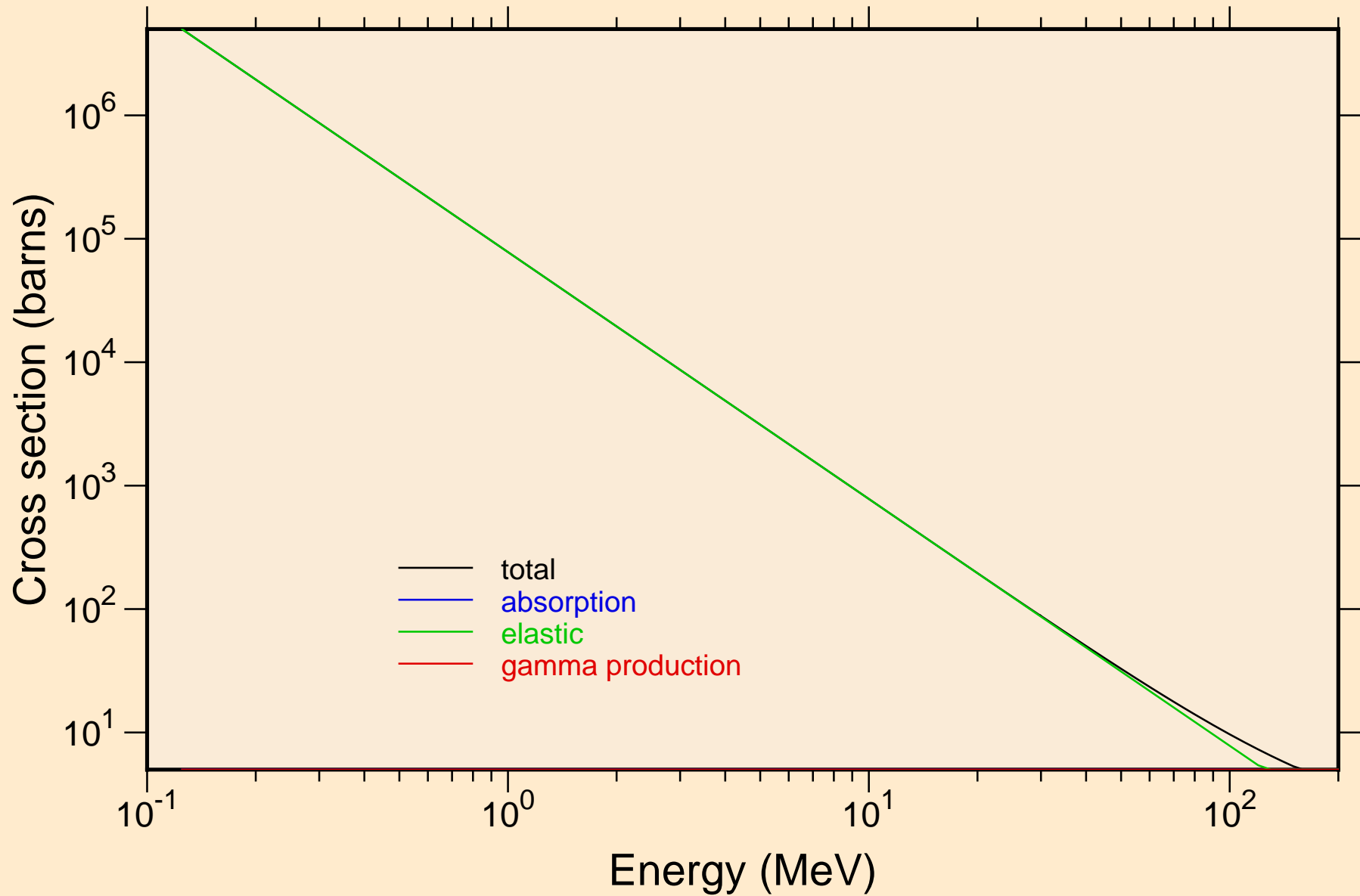
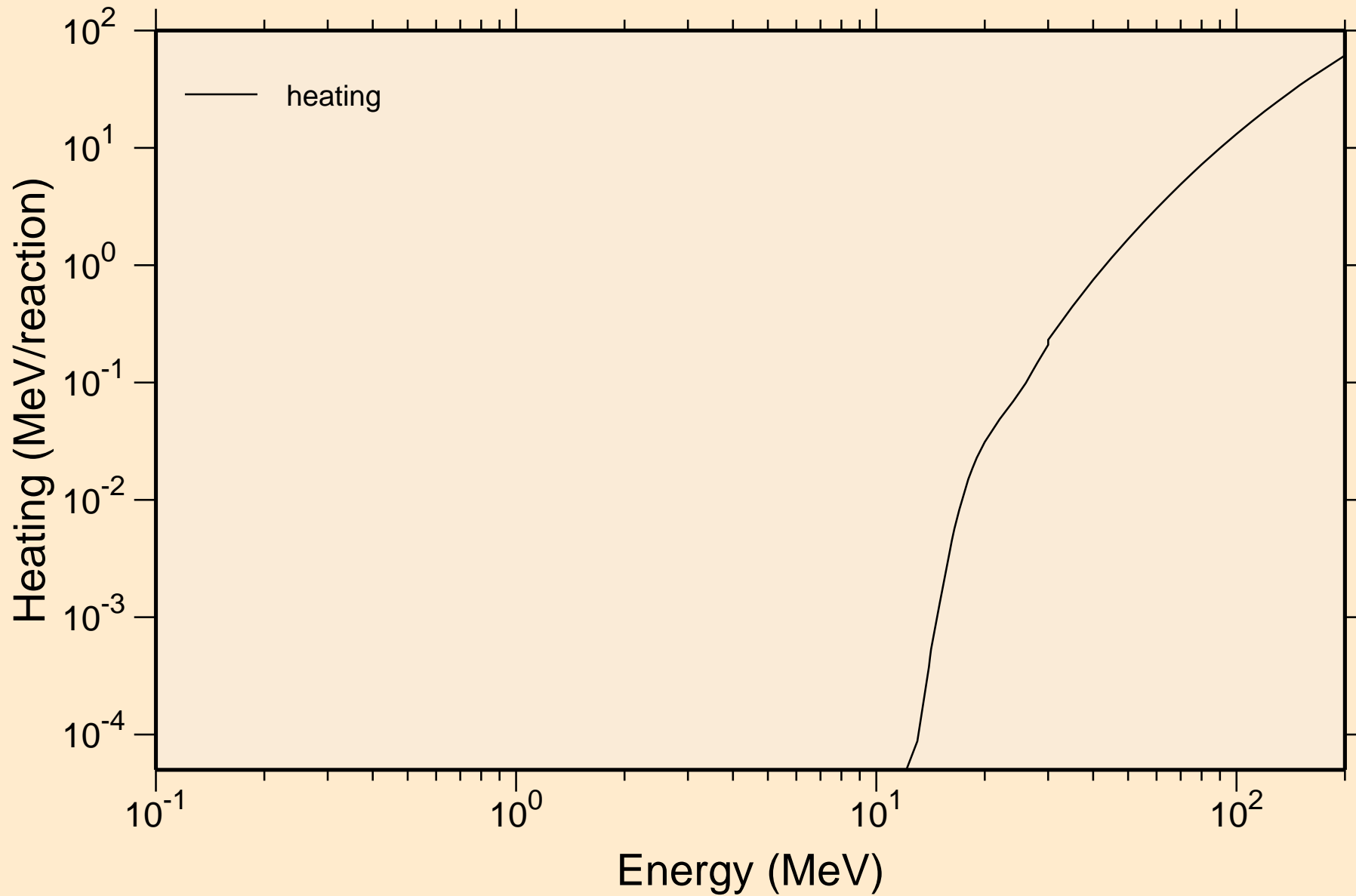


CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



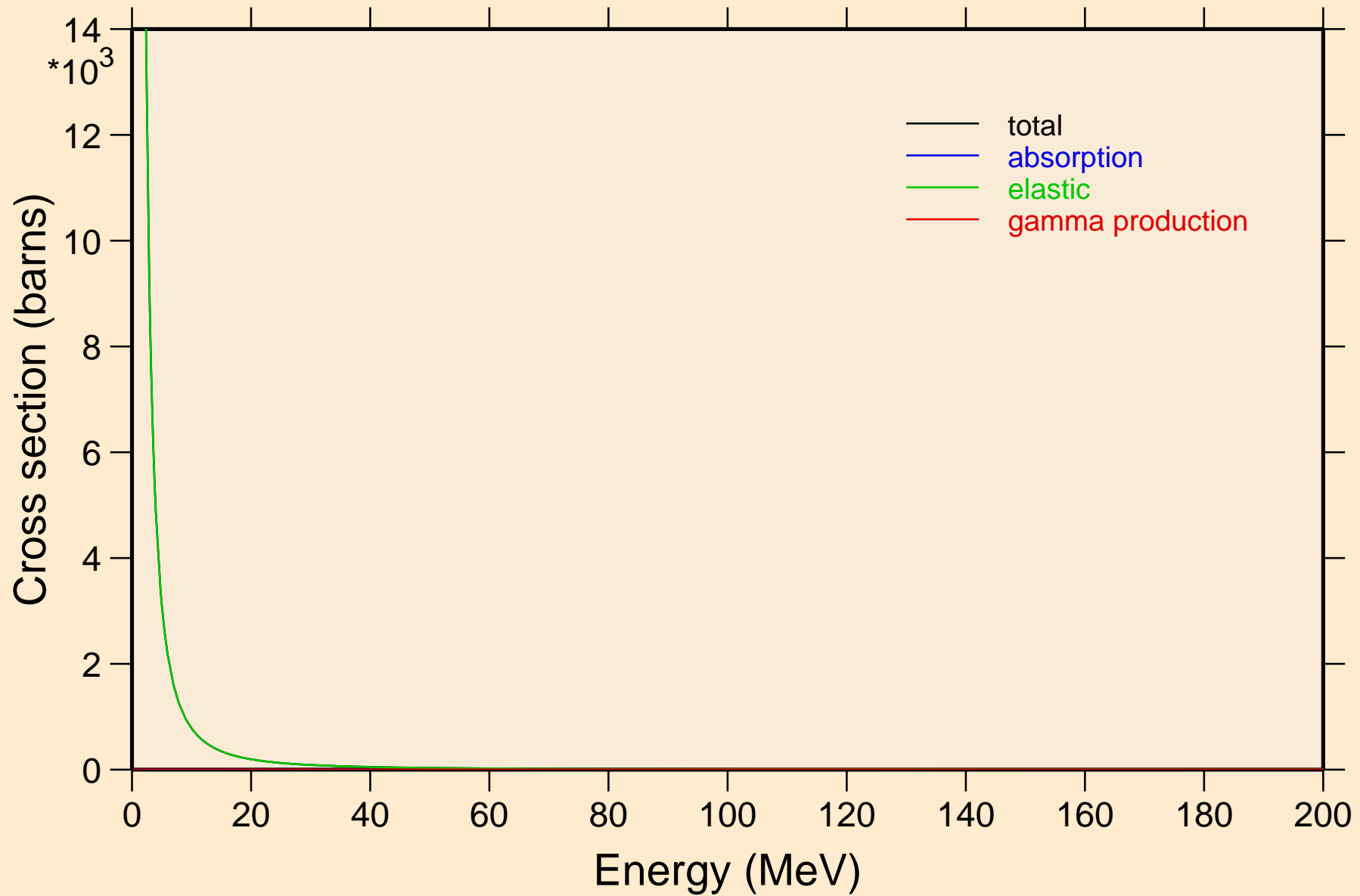
# CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K

## Heating



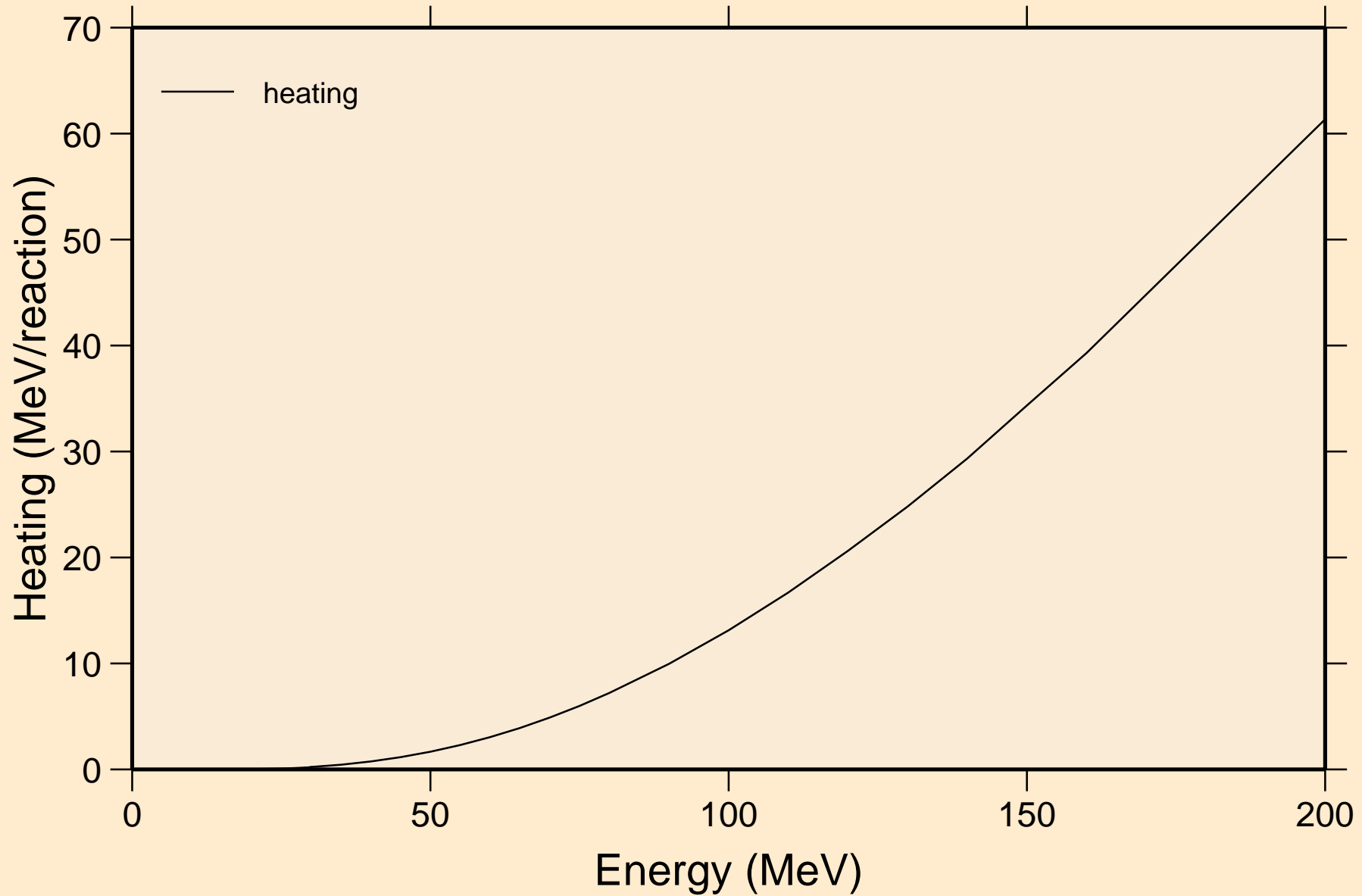
# CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



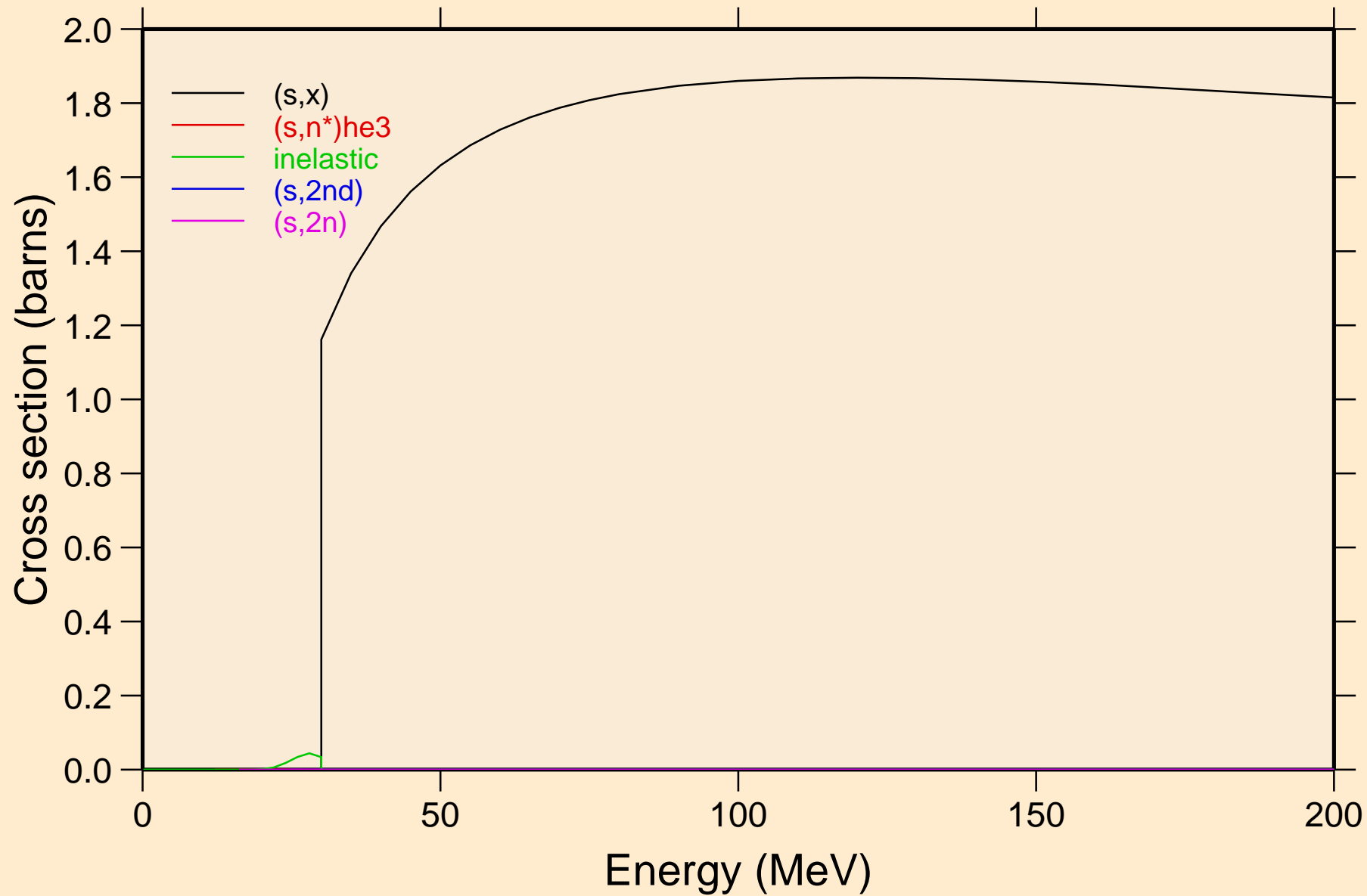
# CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K

## Heating



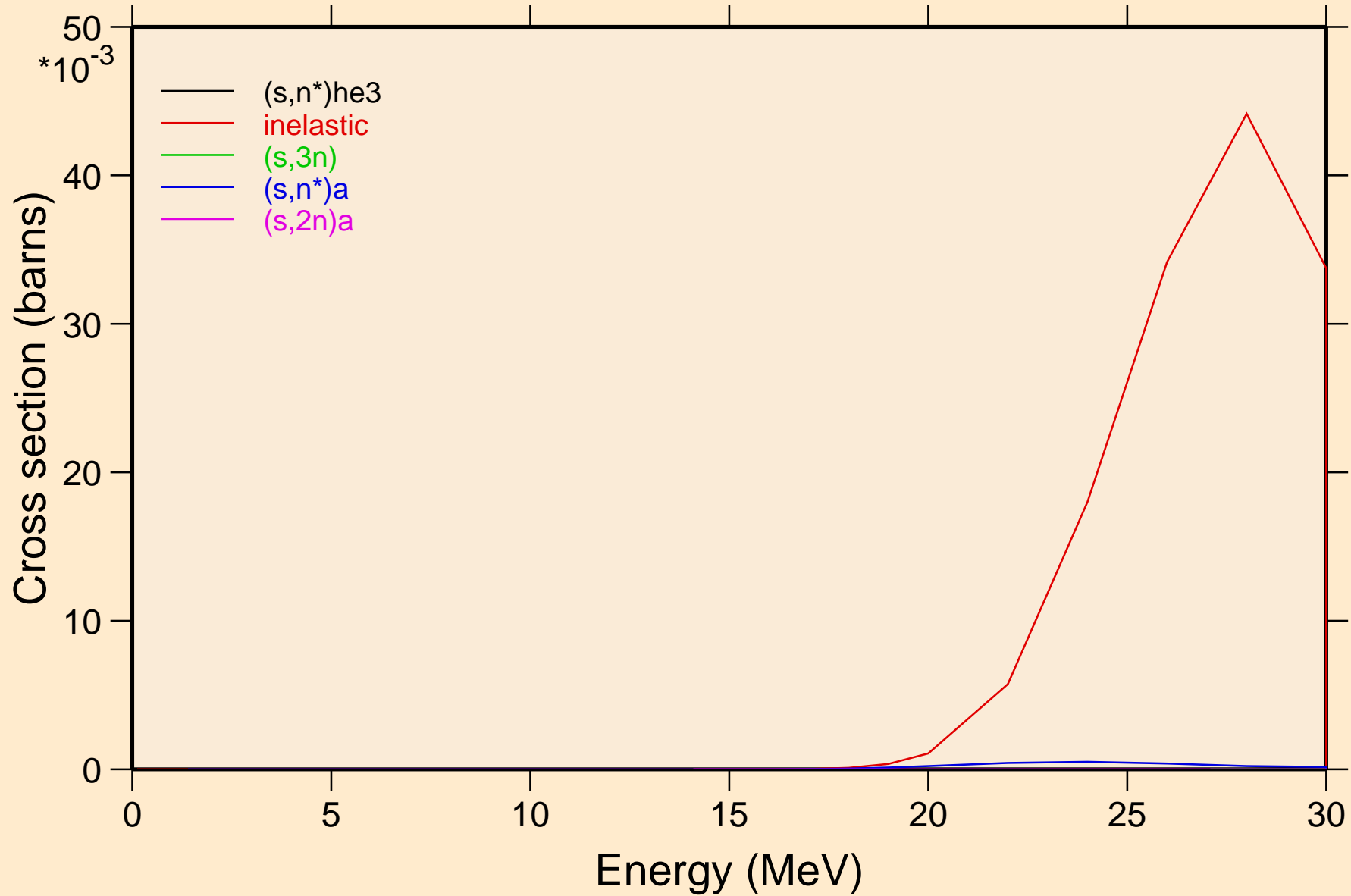
# CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

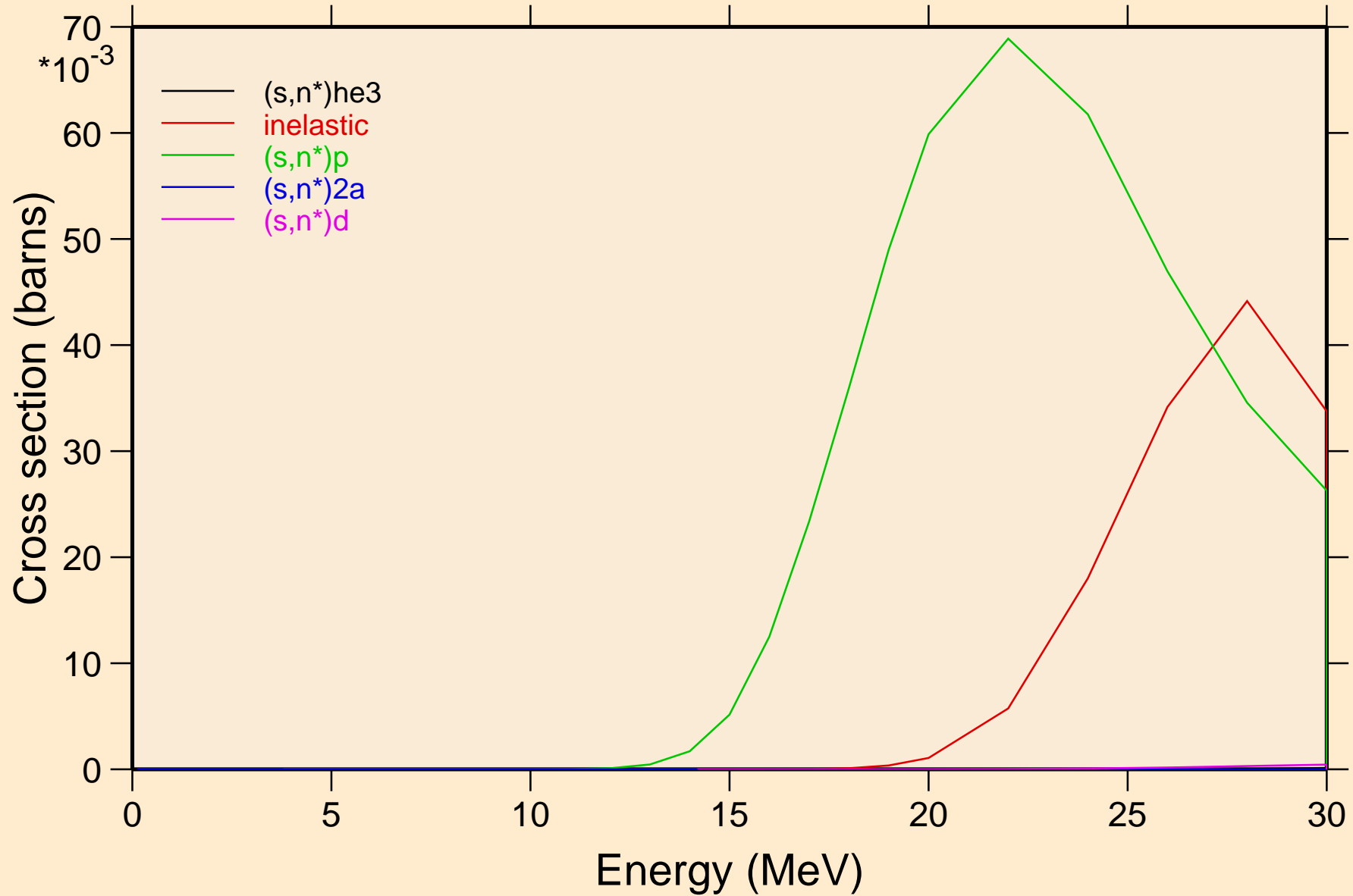


# CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

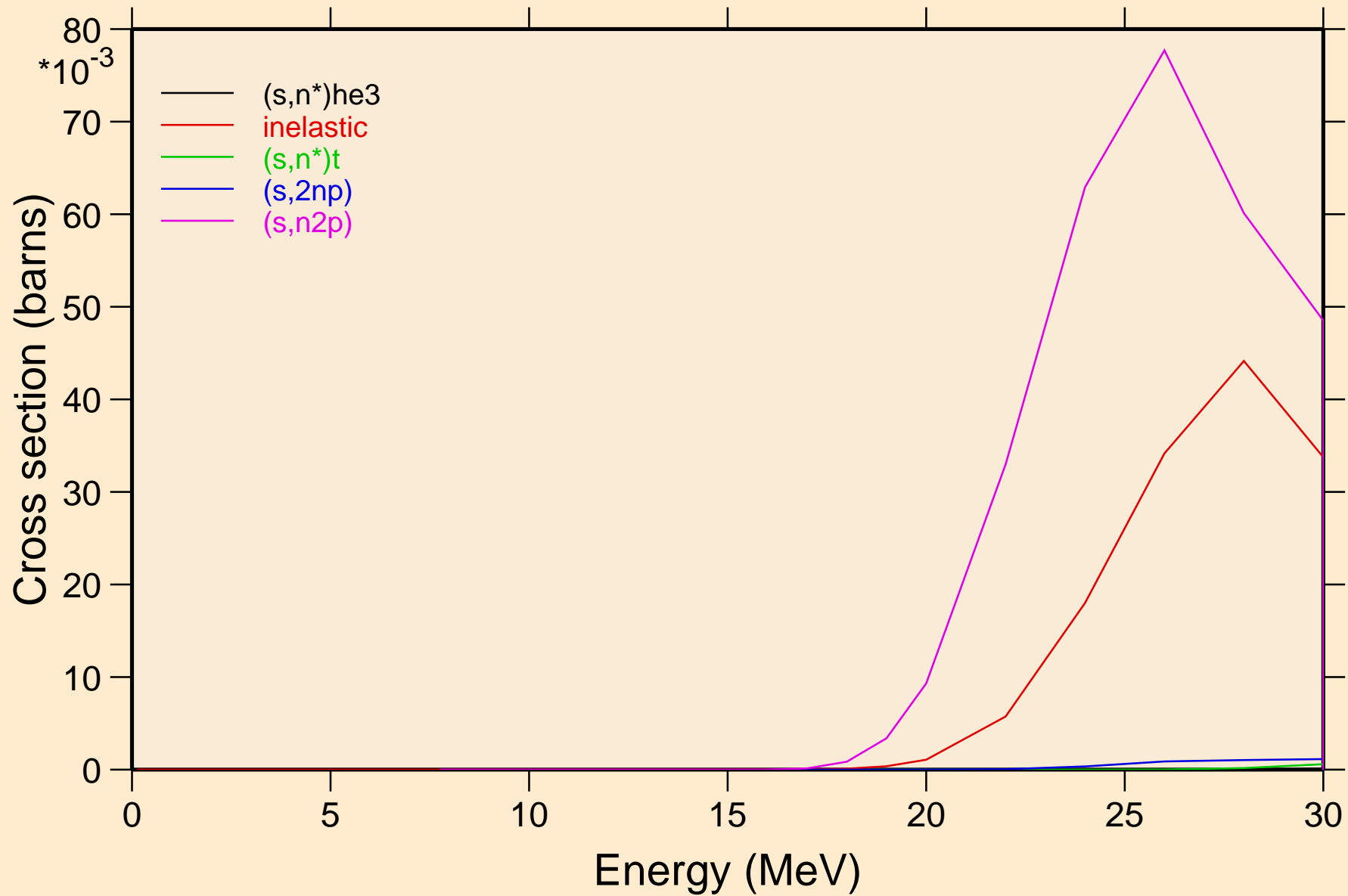


CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



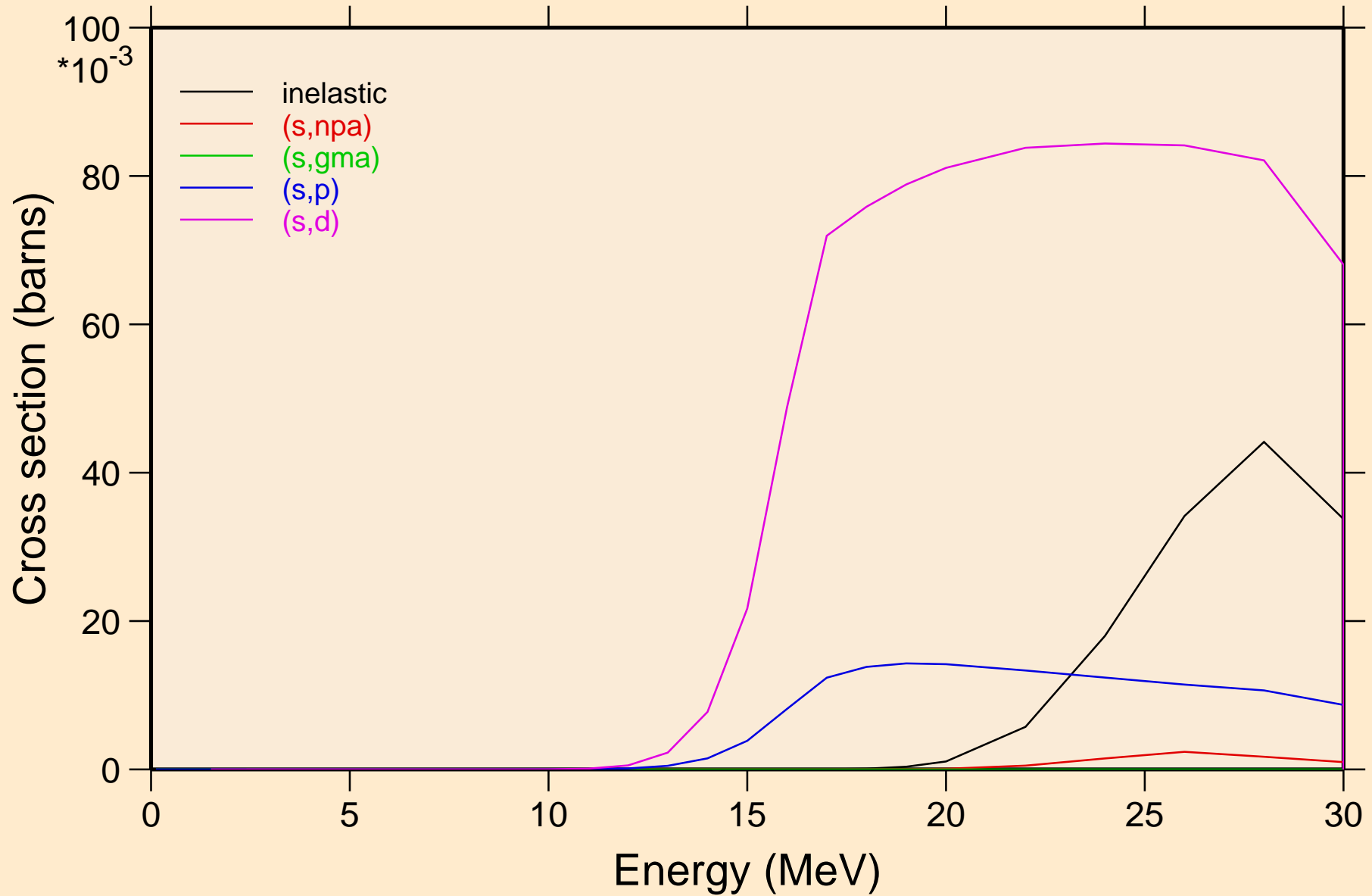
# CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



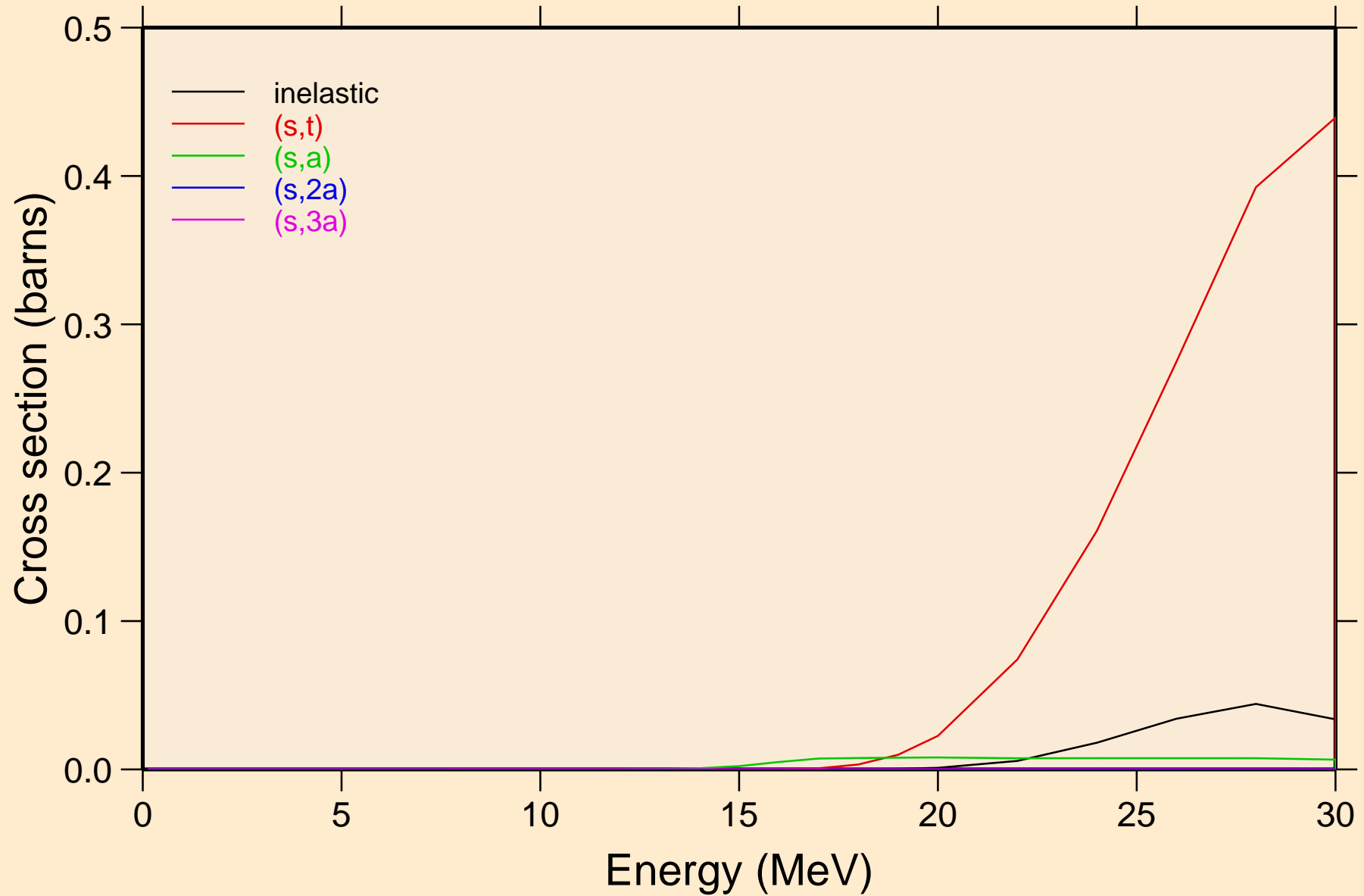
# CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



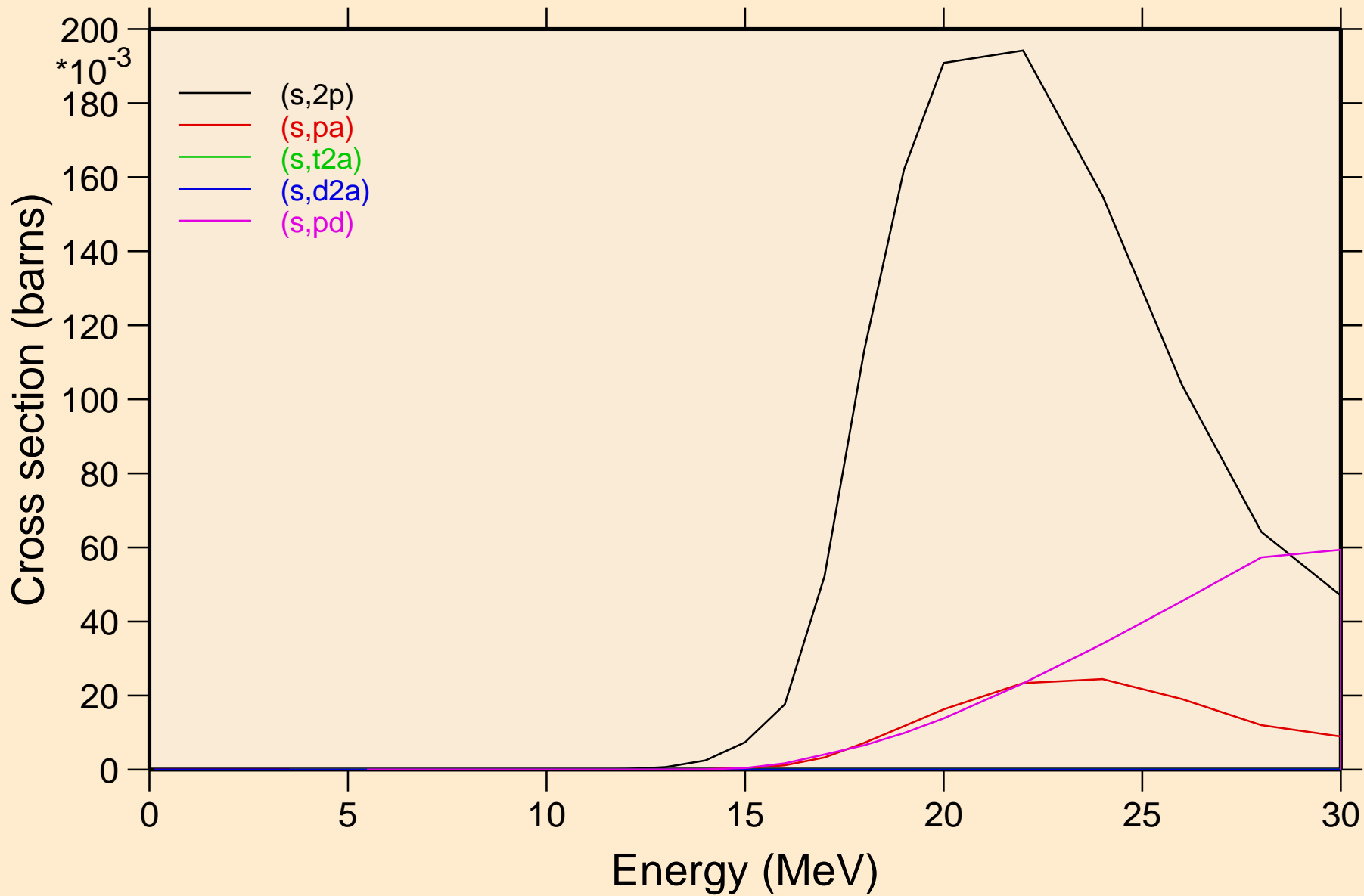
# CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

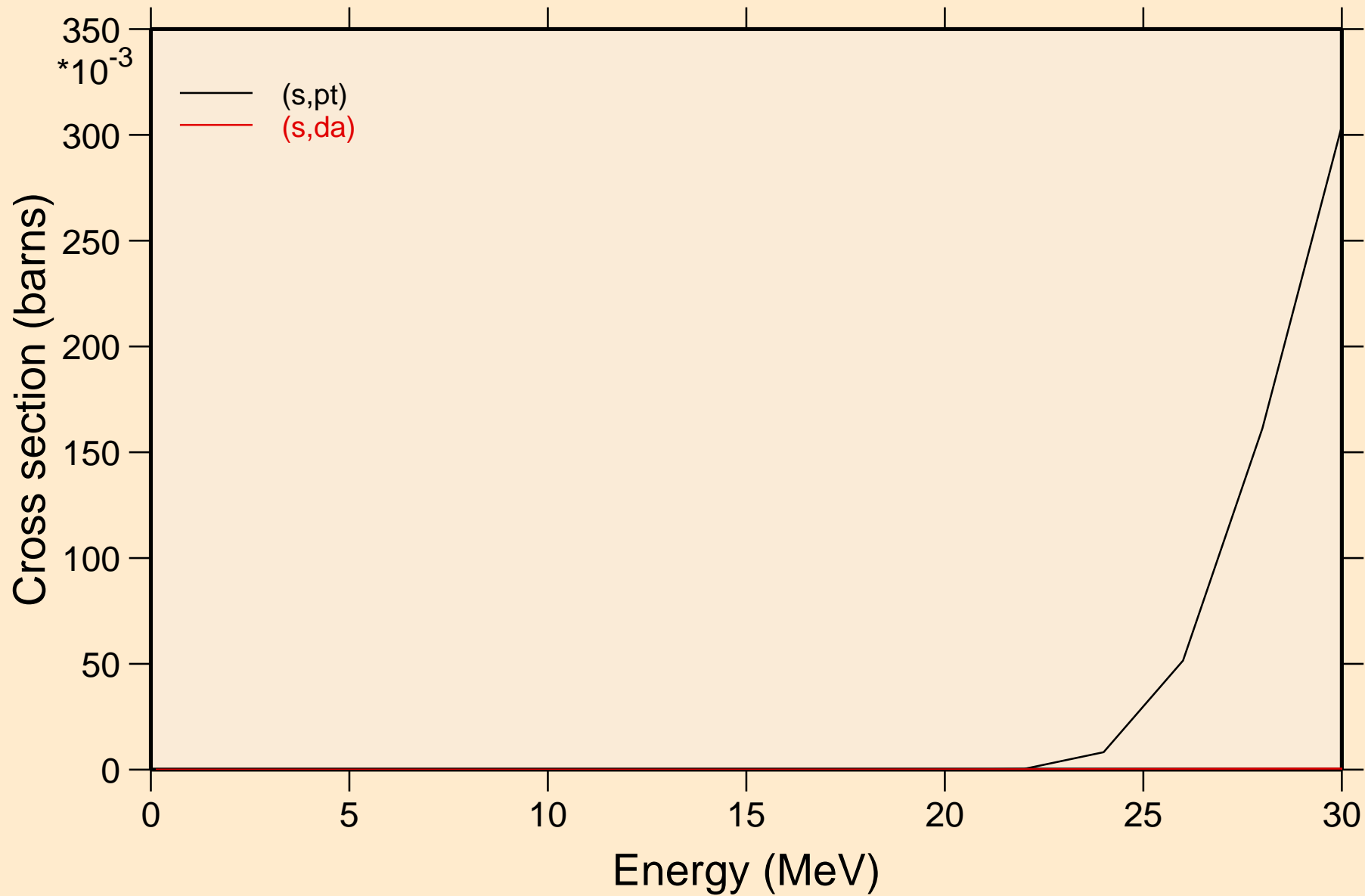


# CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K

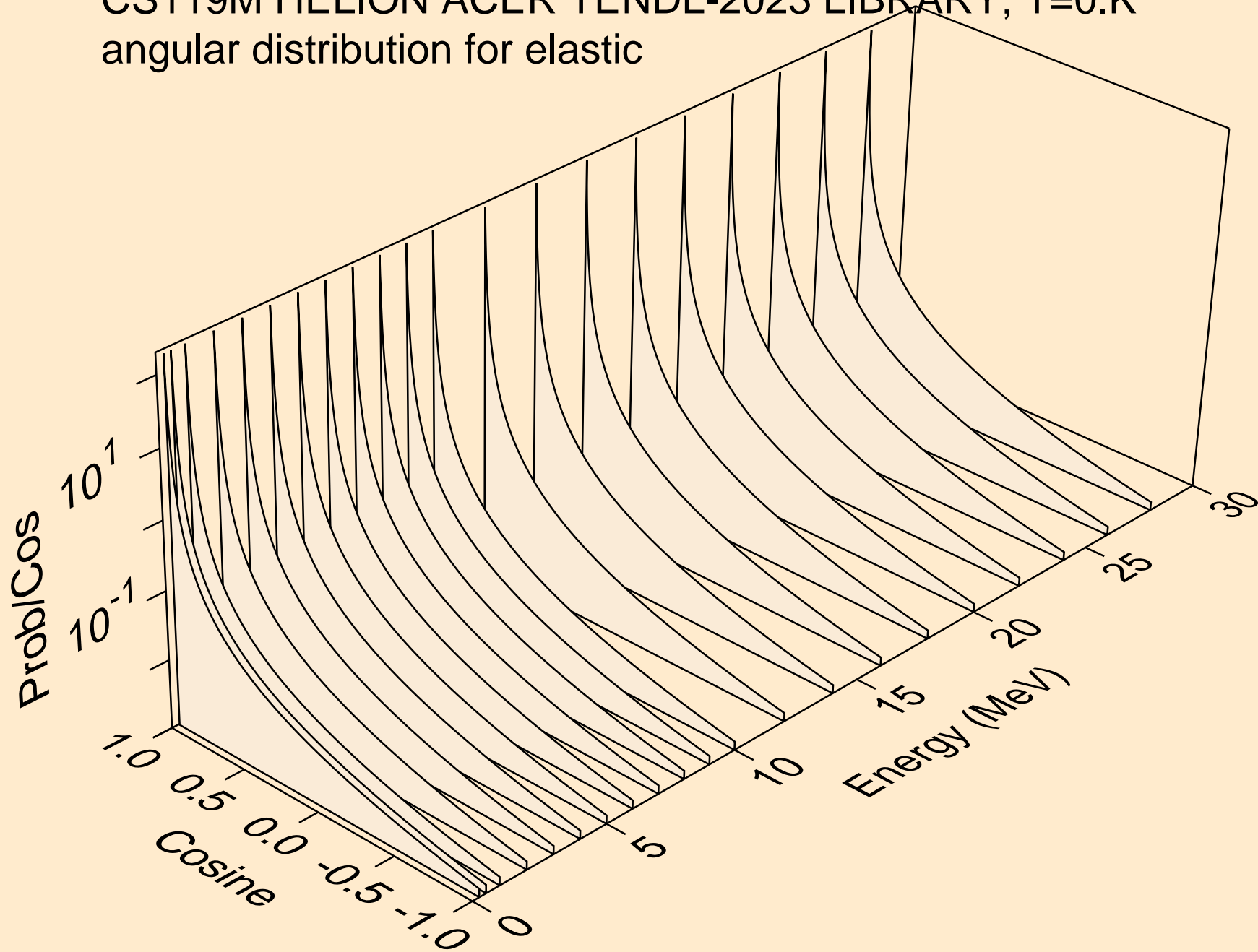
## Threshold reactions



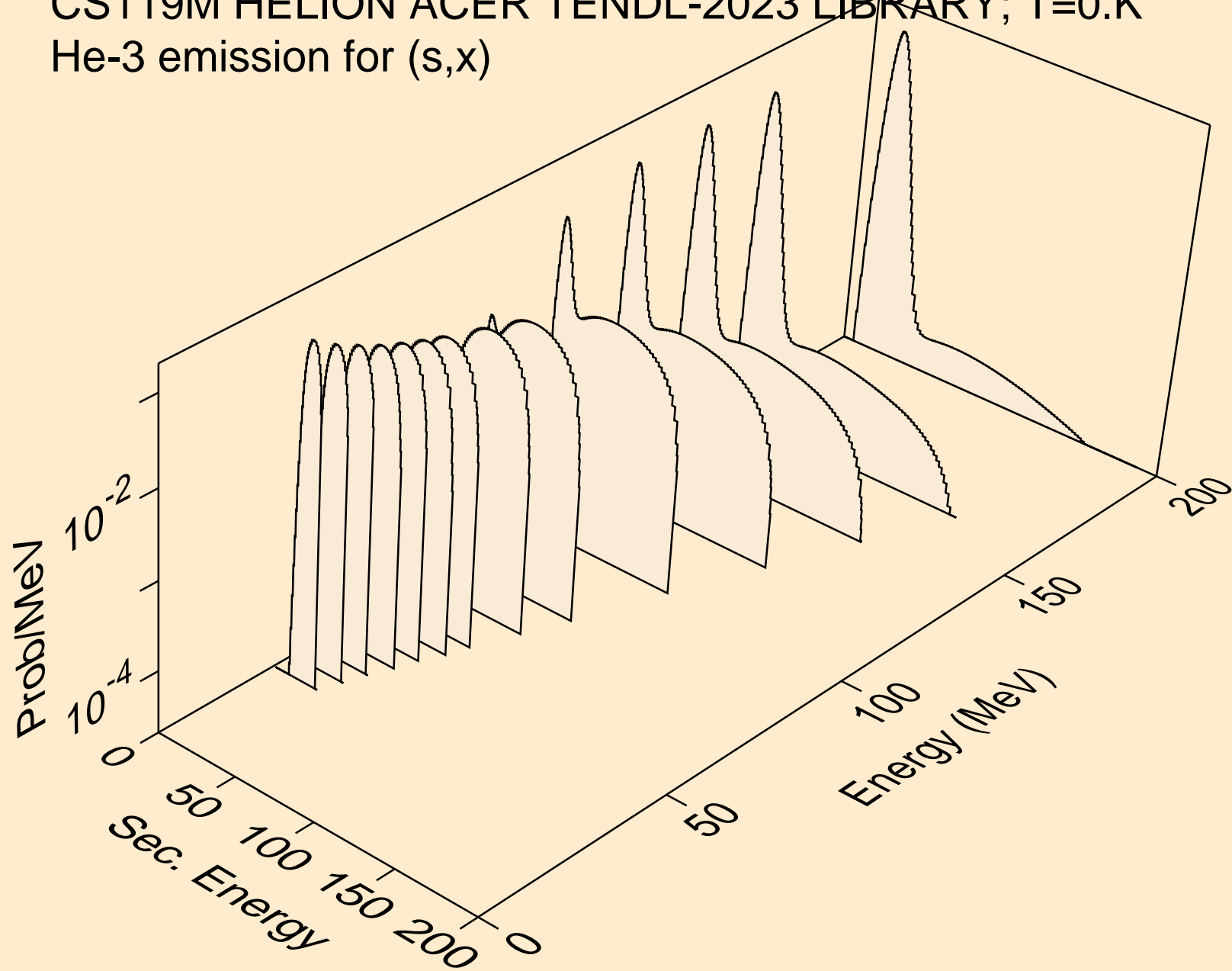
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



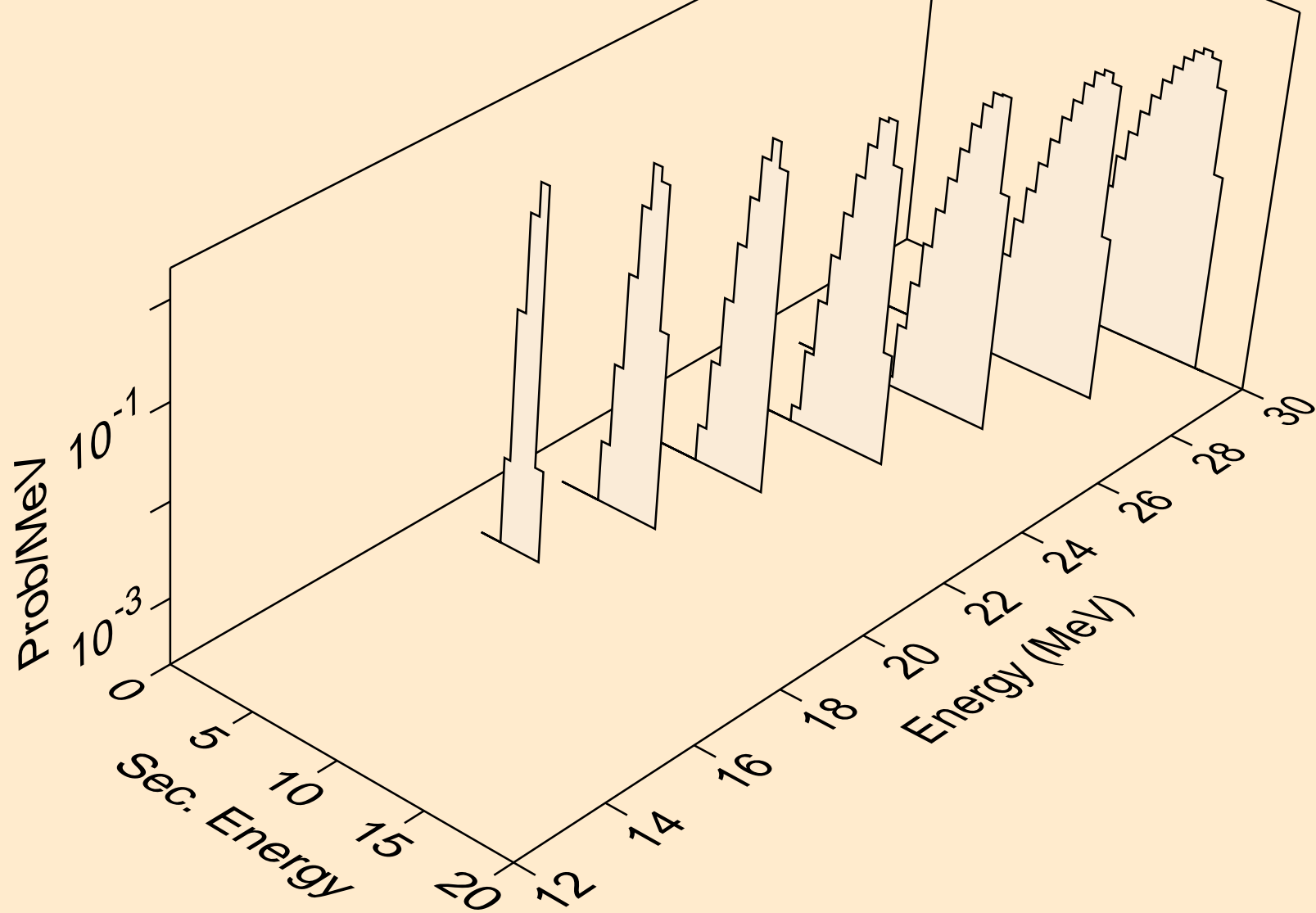
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



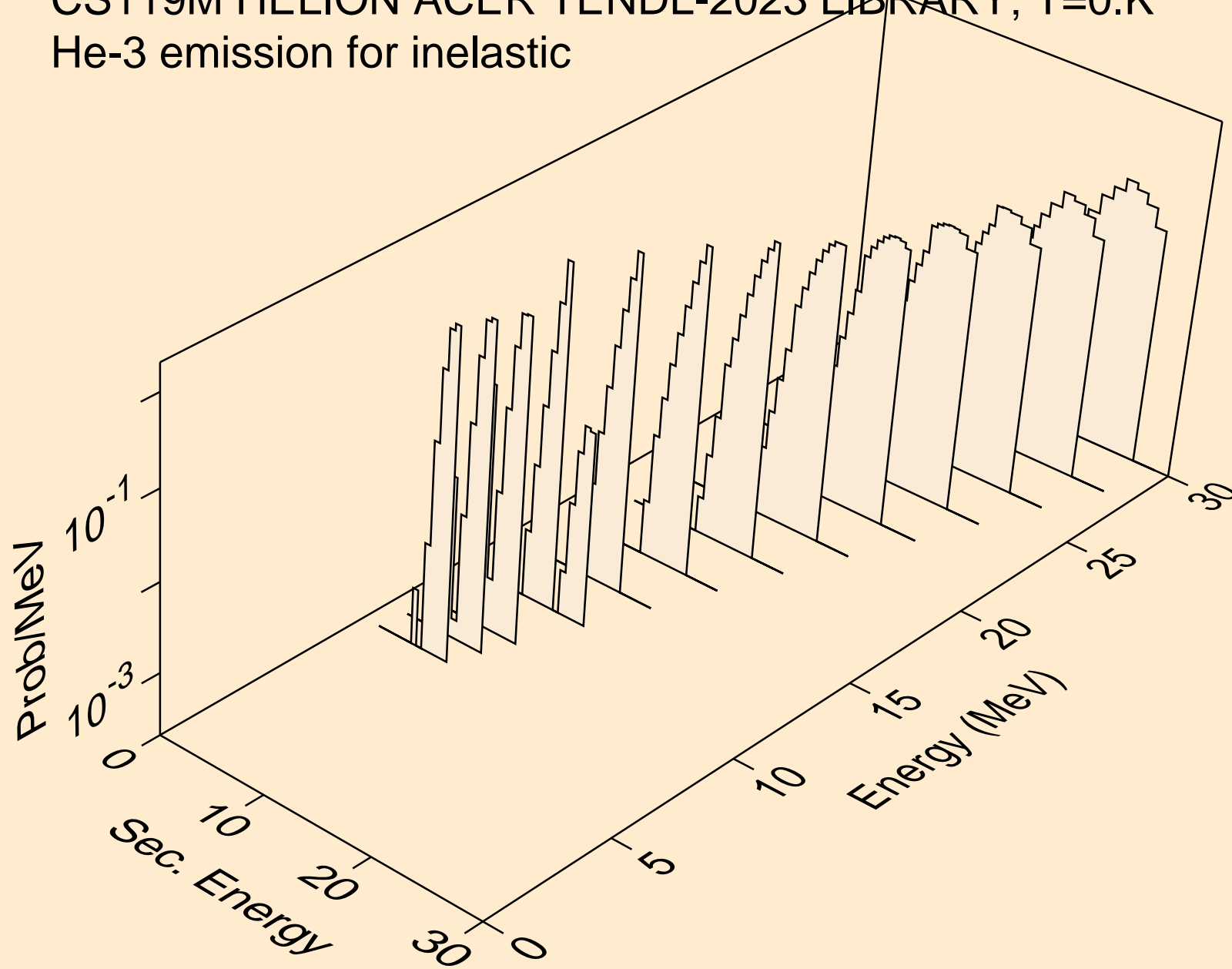
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)



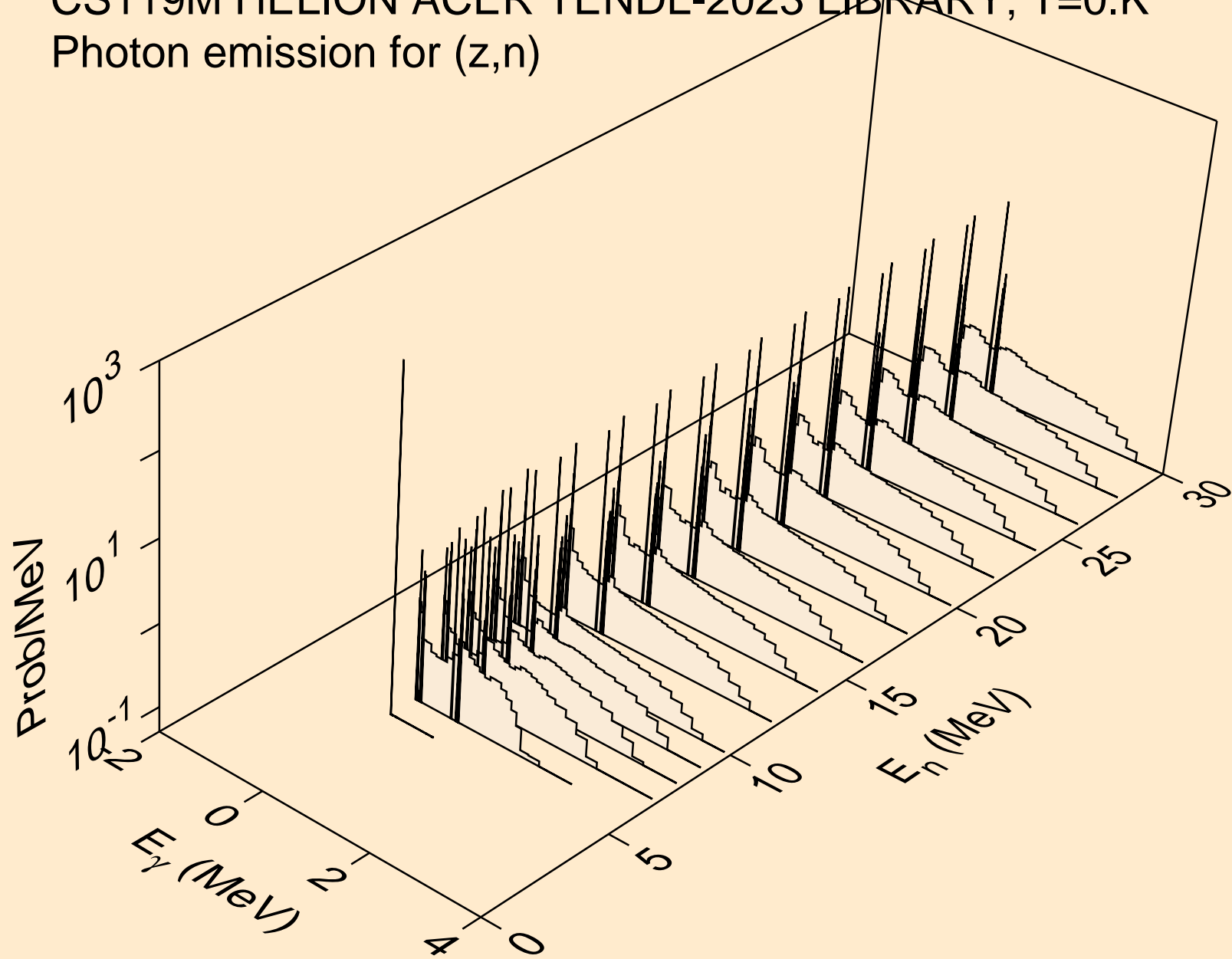
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3



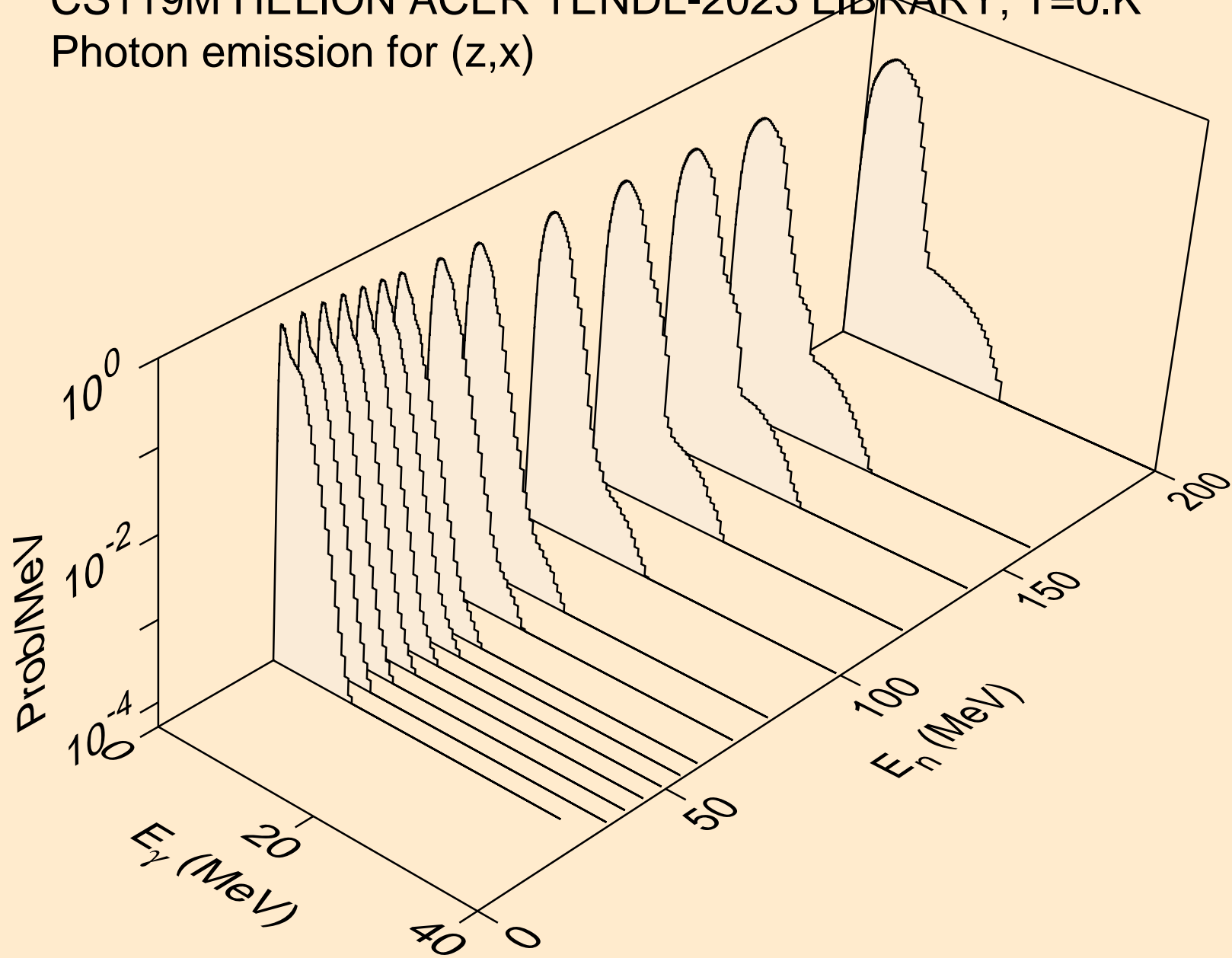
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic



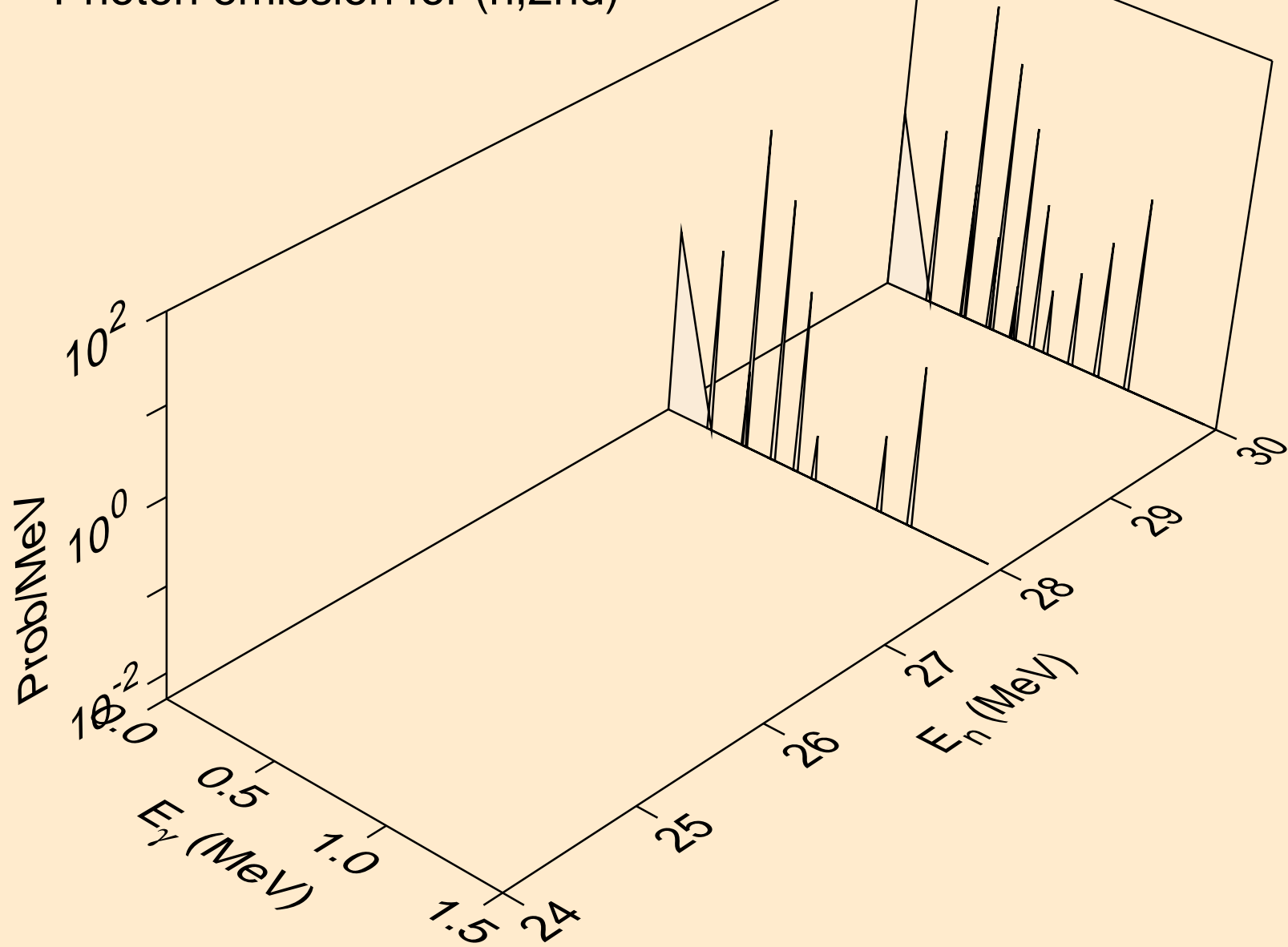
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



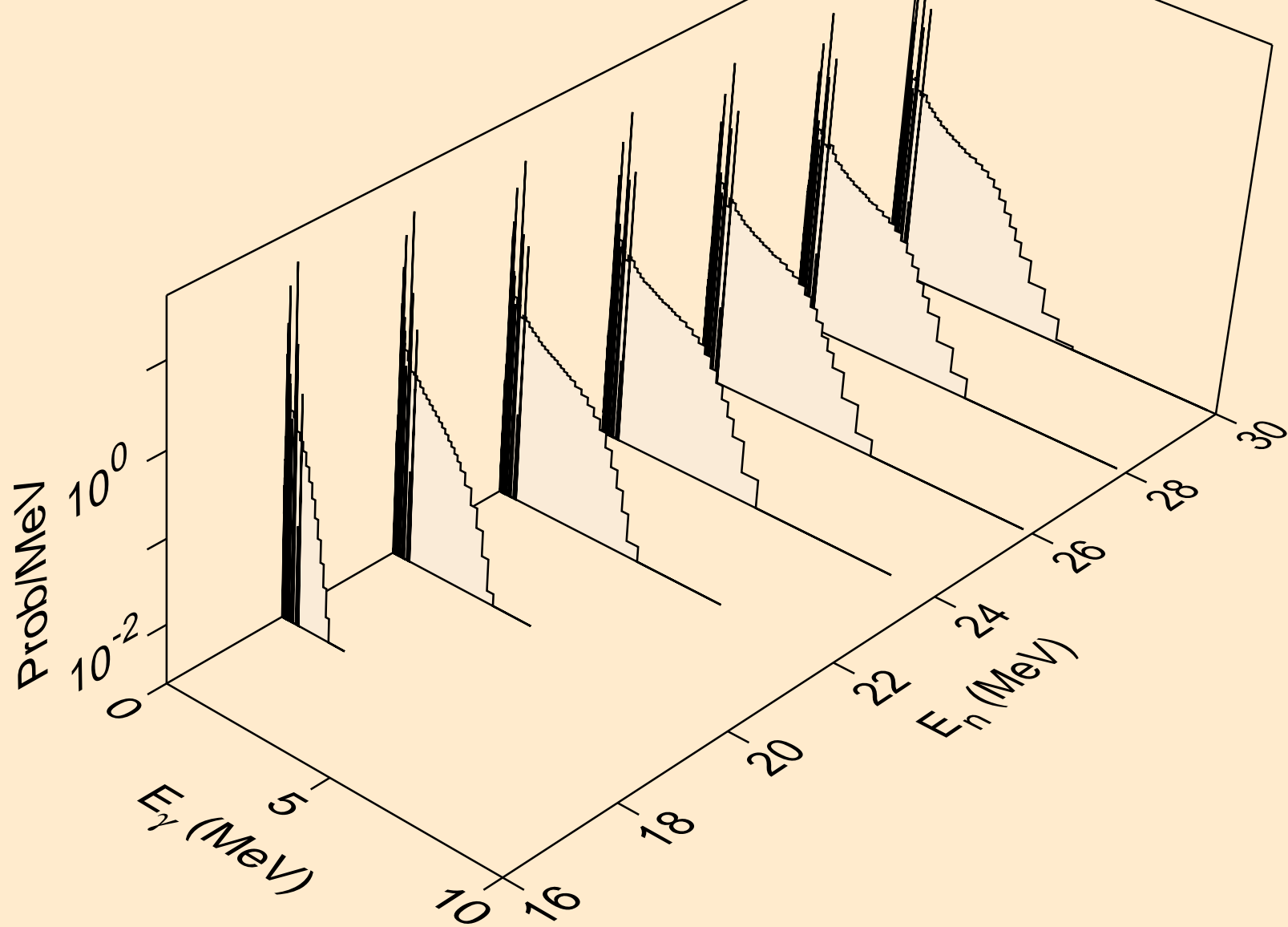
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



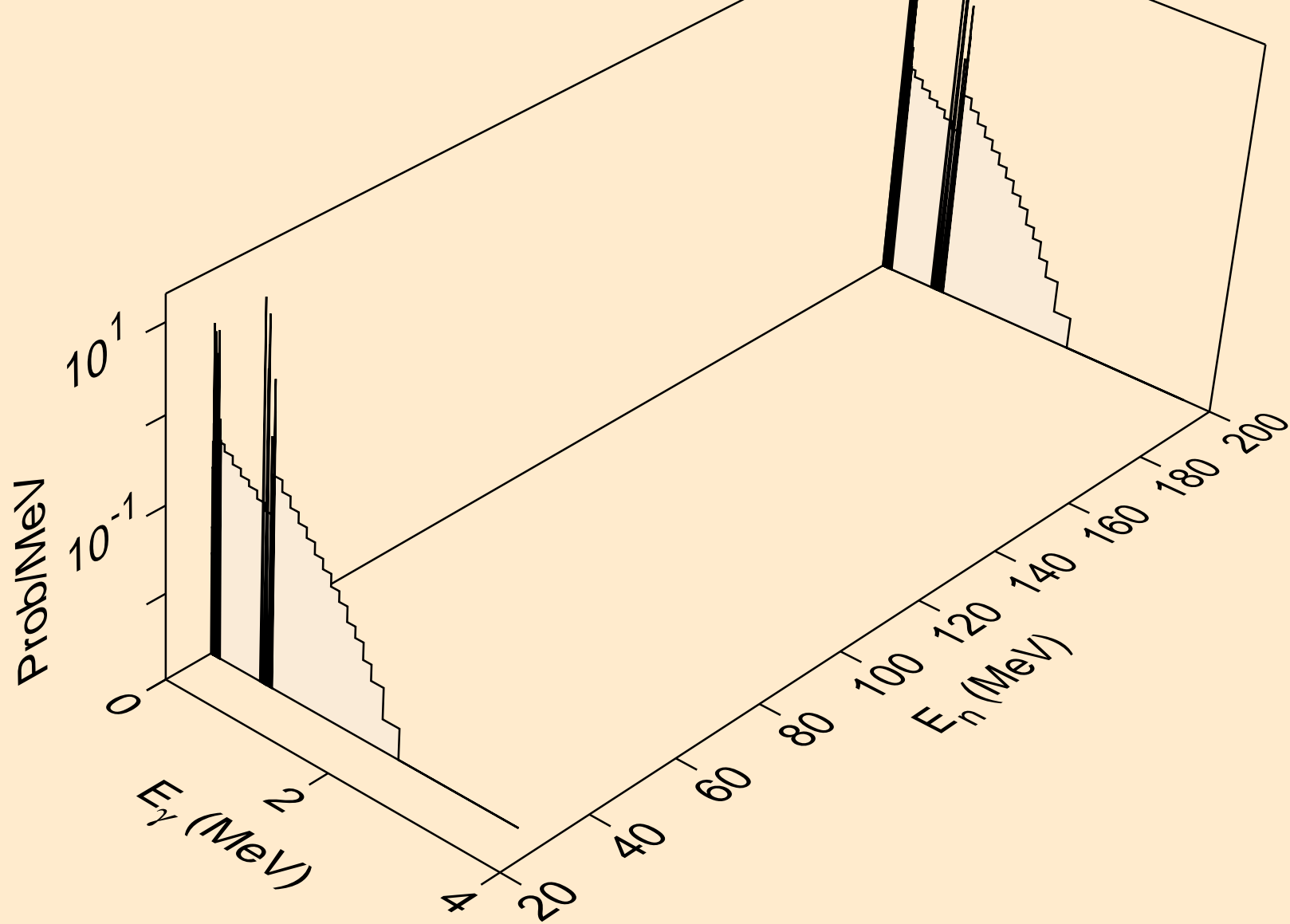
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



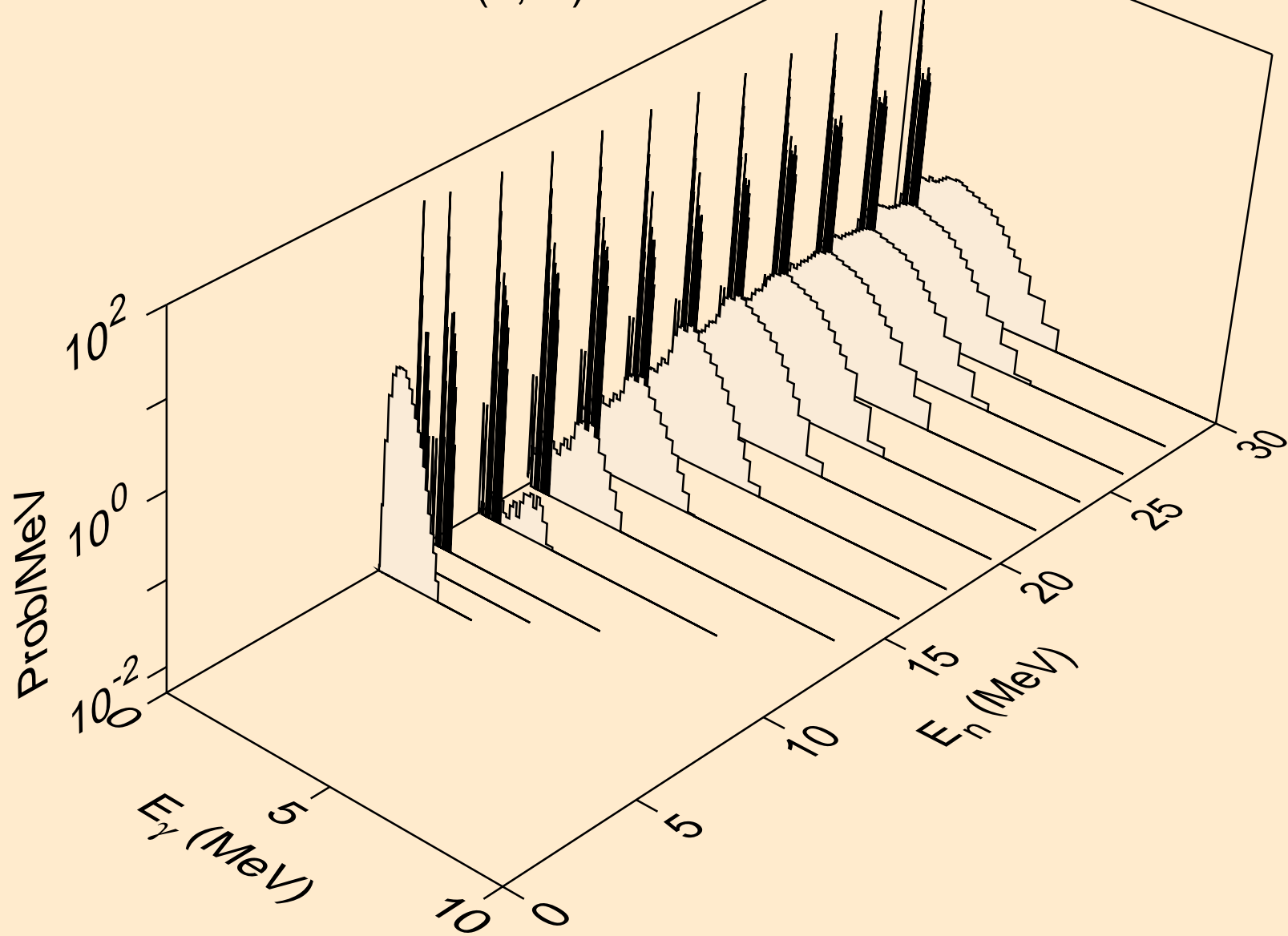
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



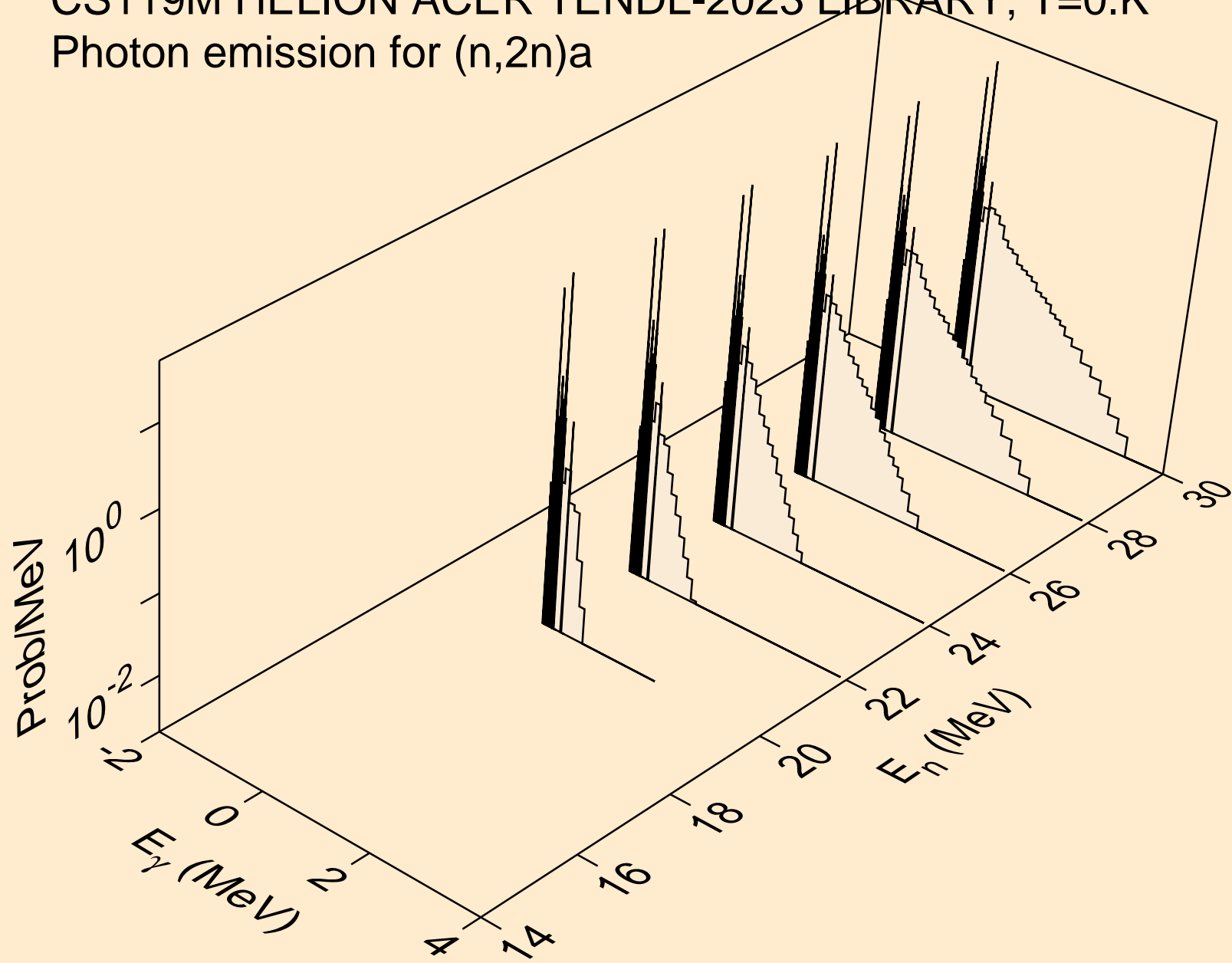
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



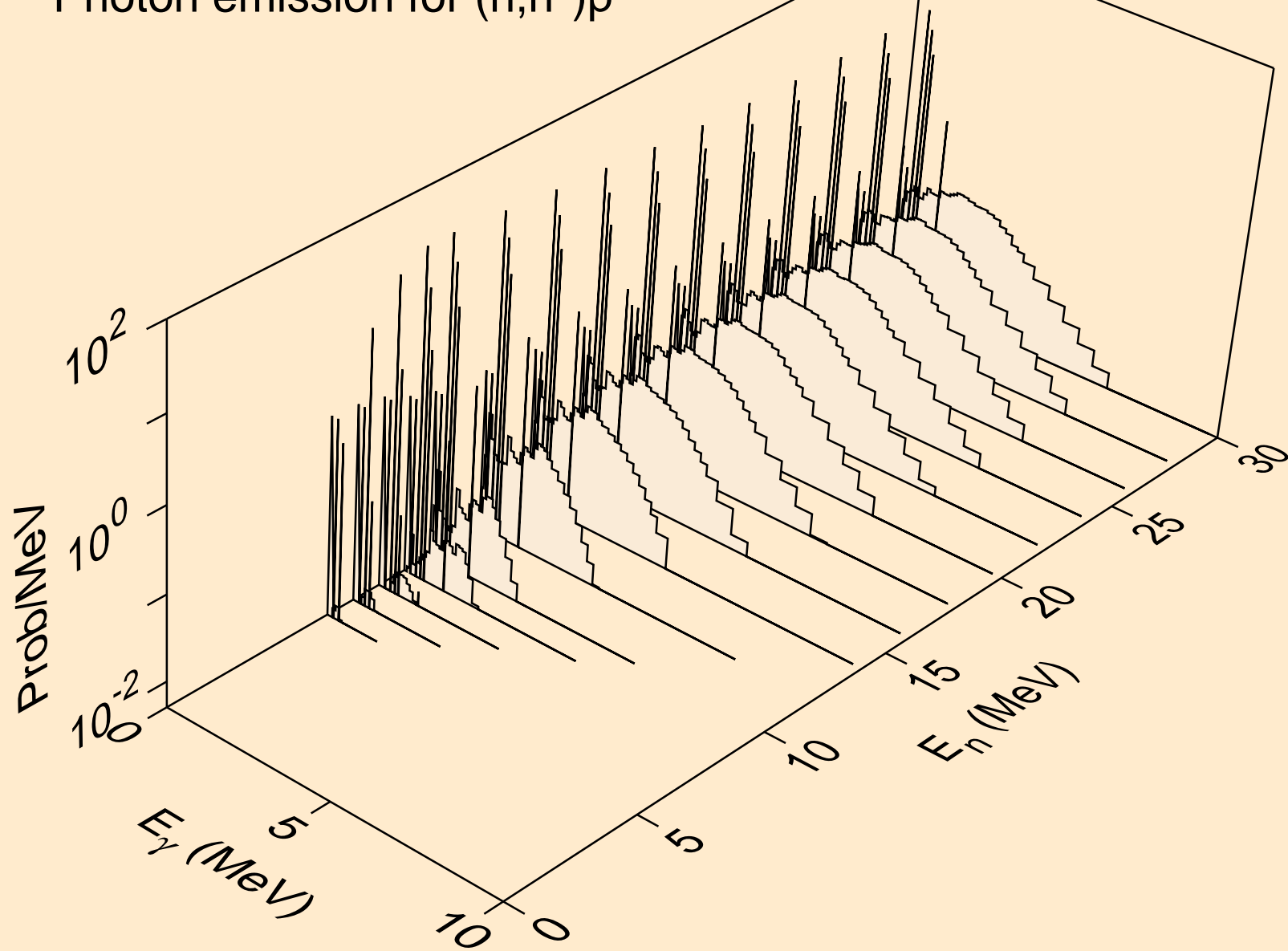
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



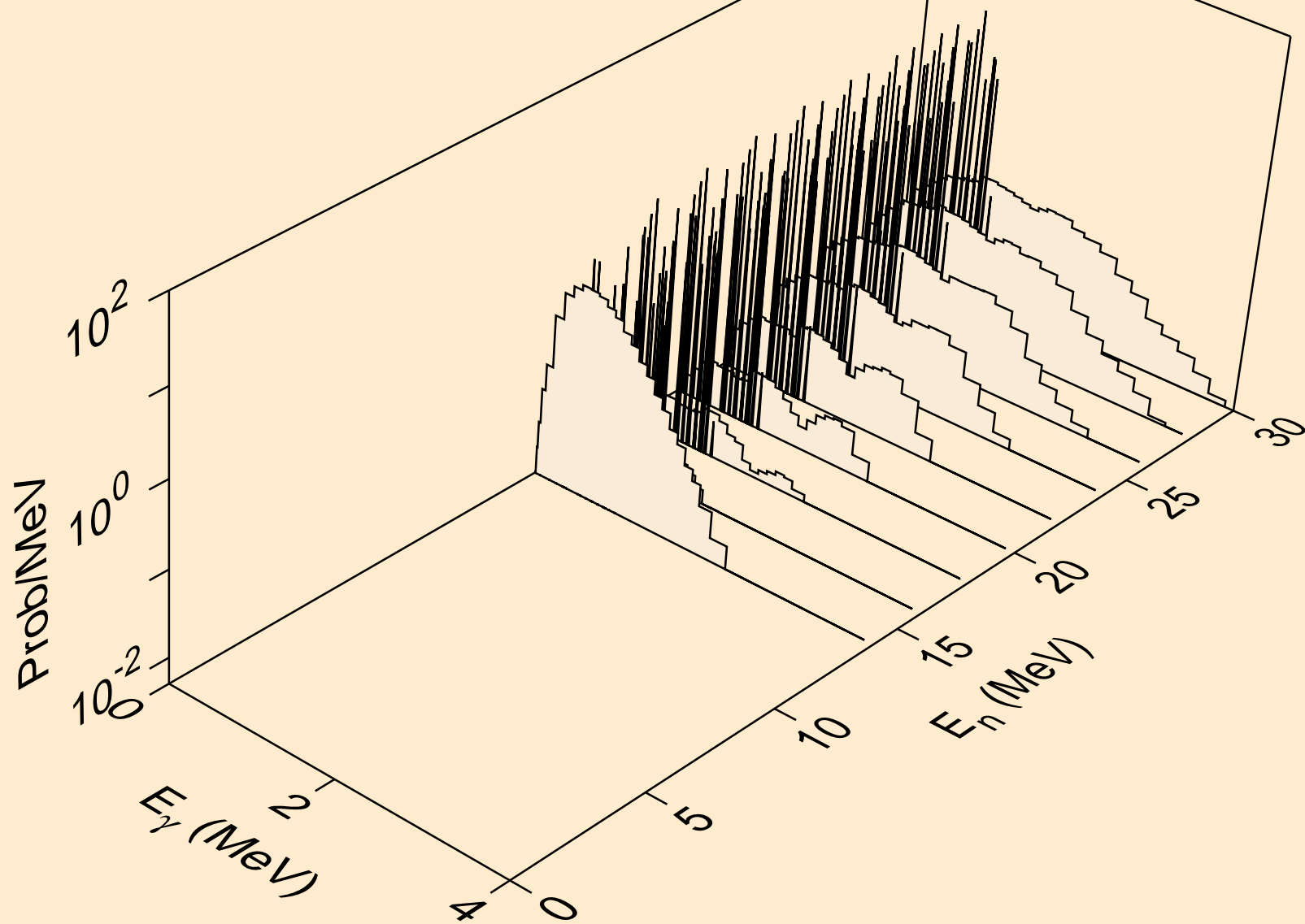
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



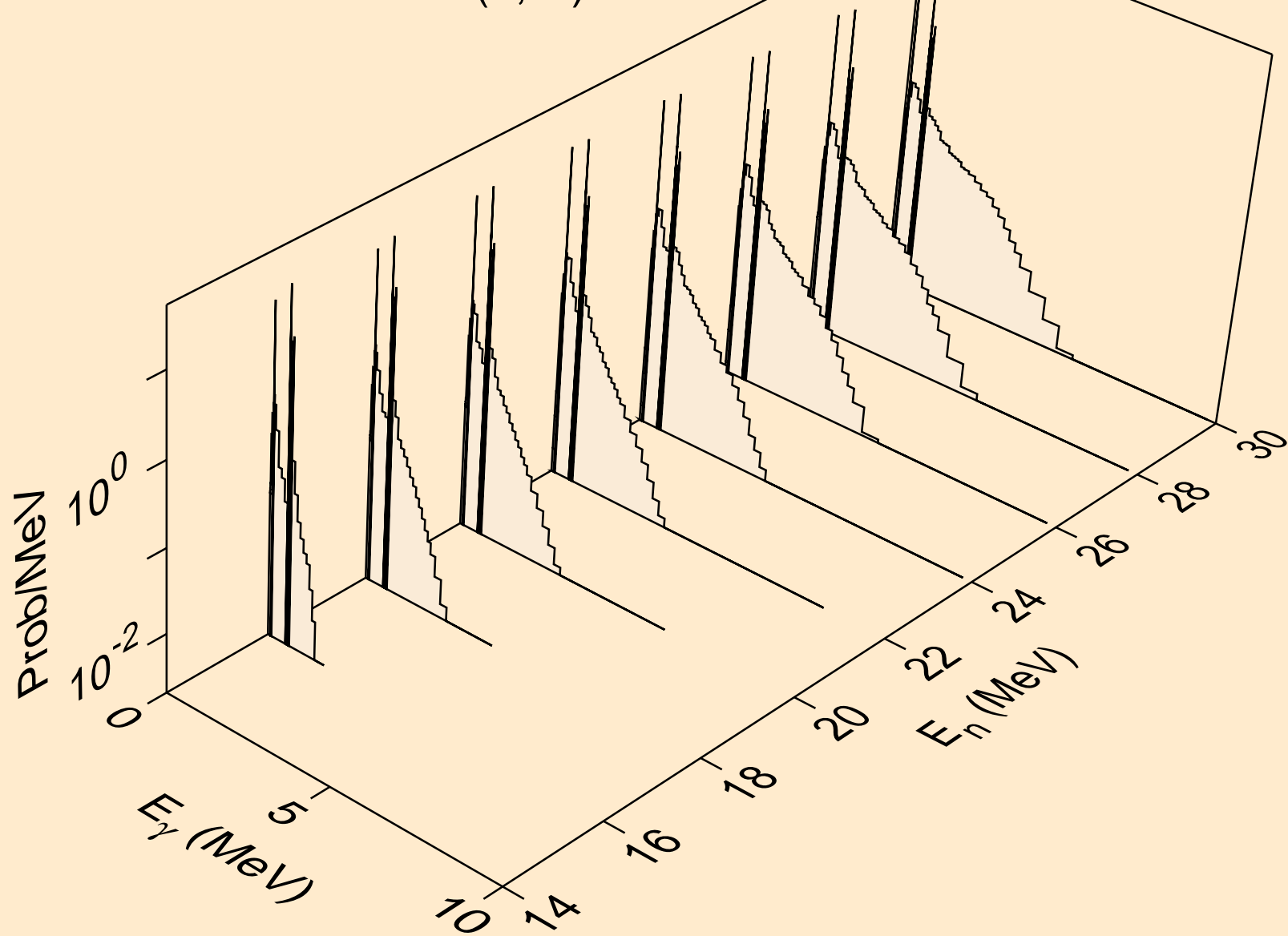
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



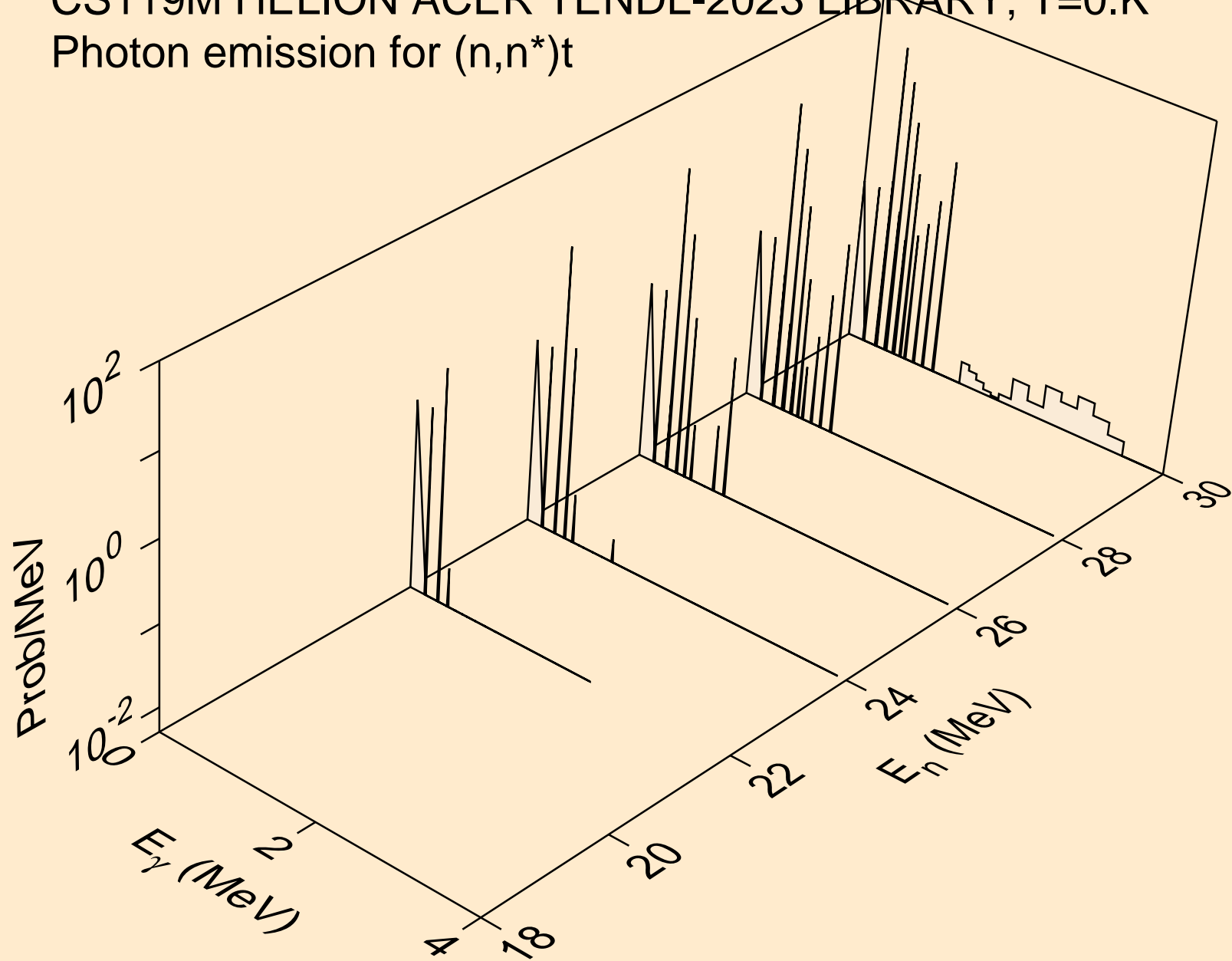
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



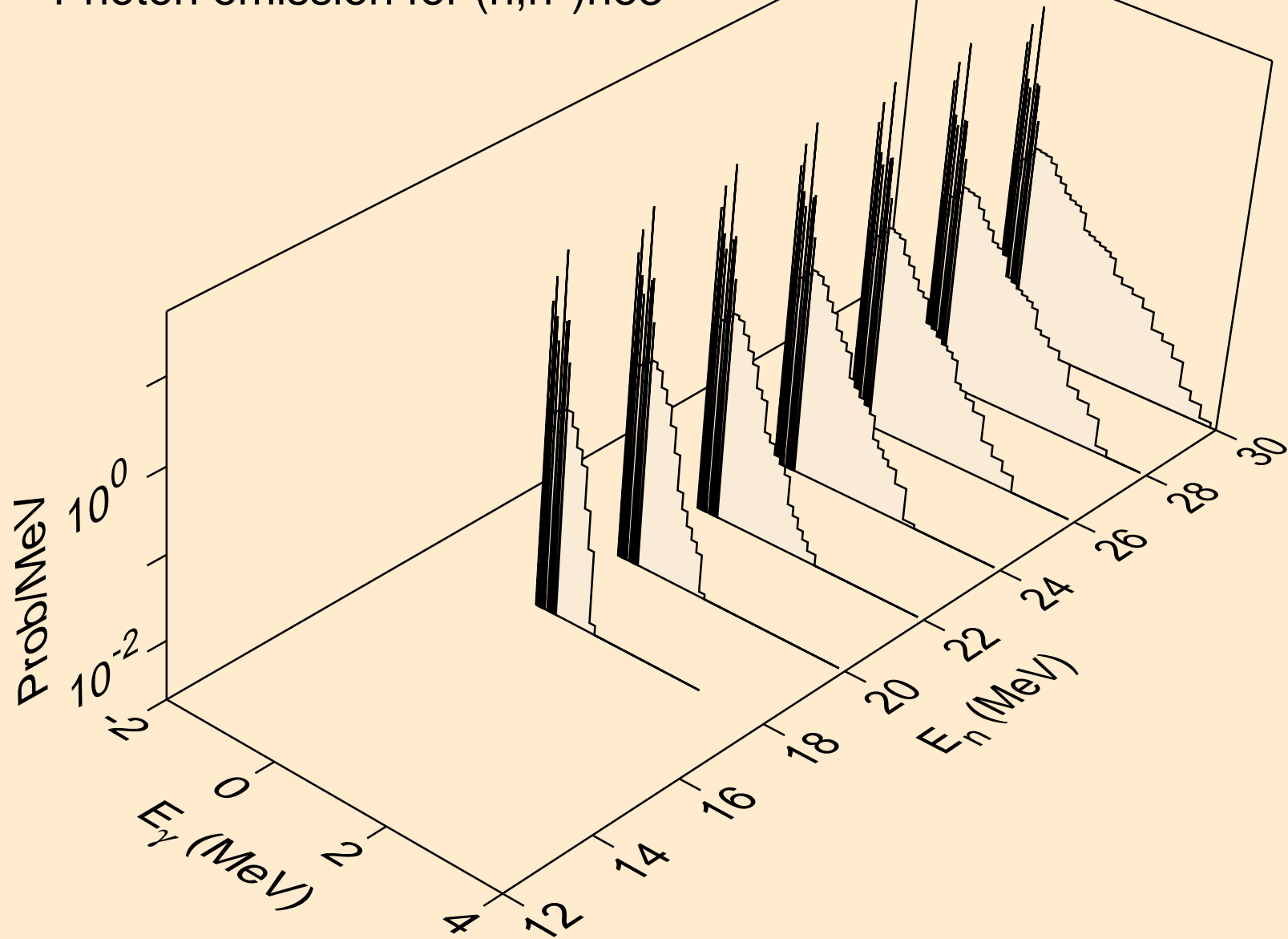
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



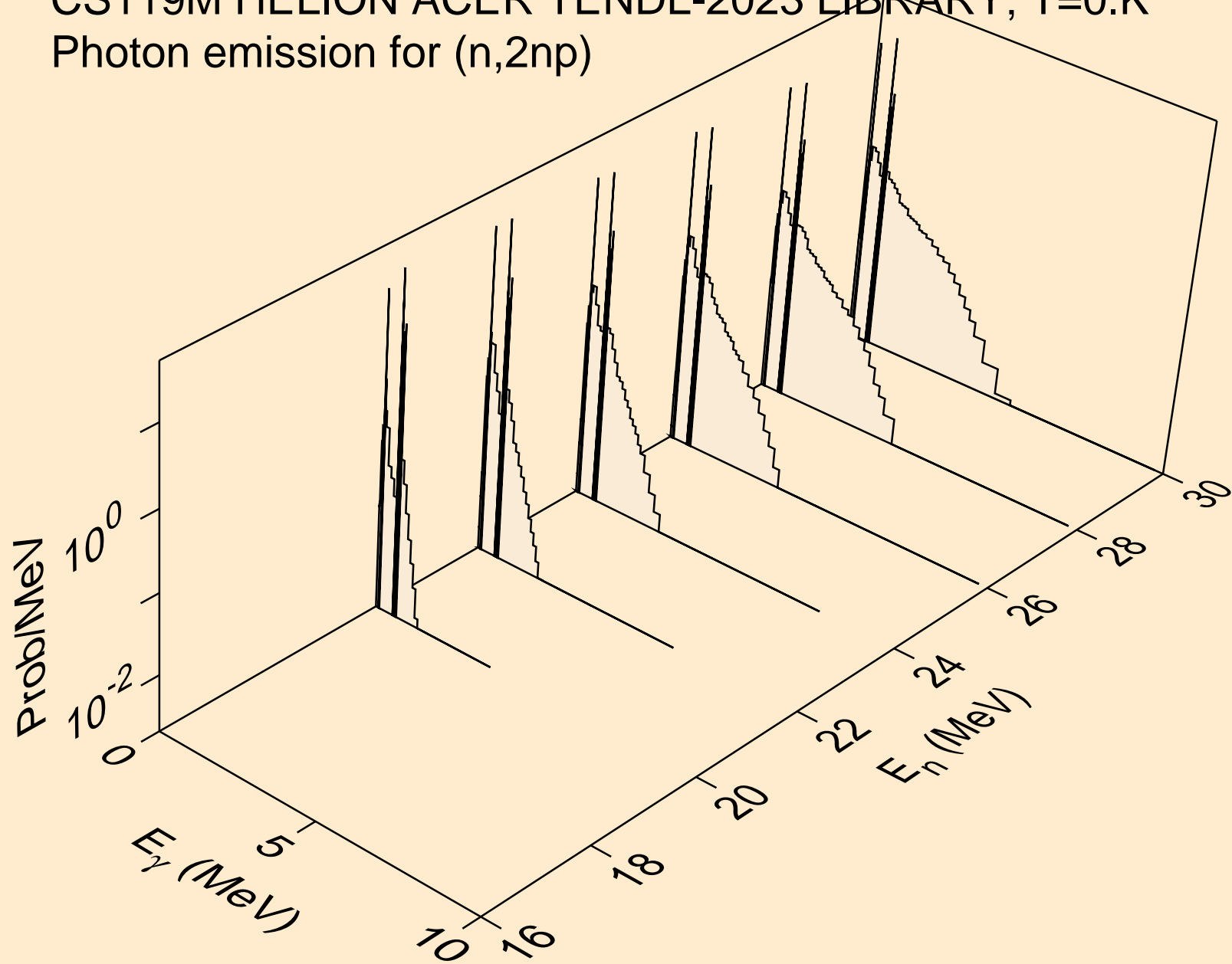
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



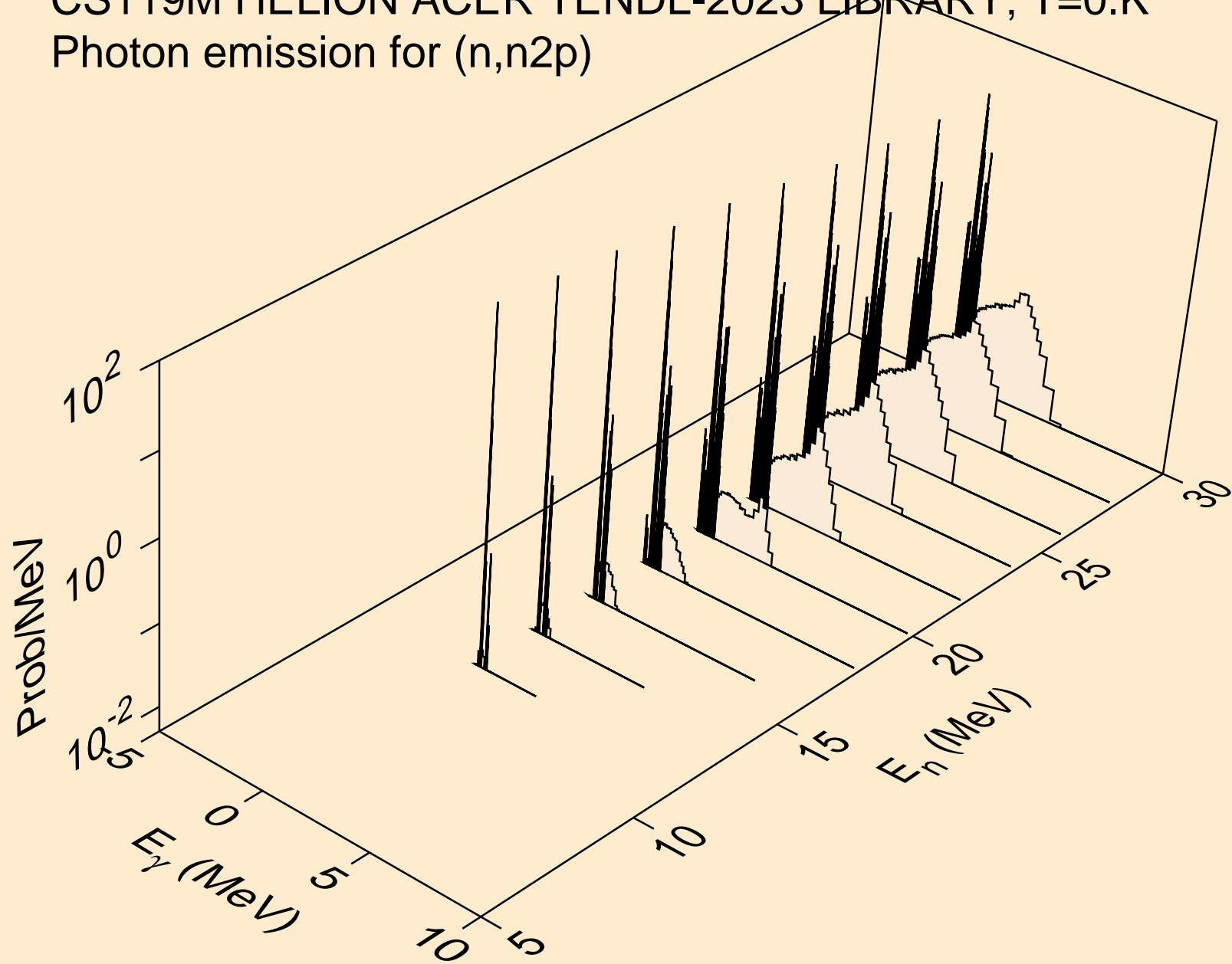
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



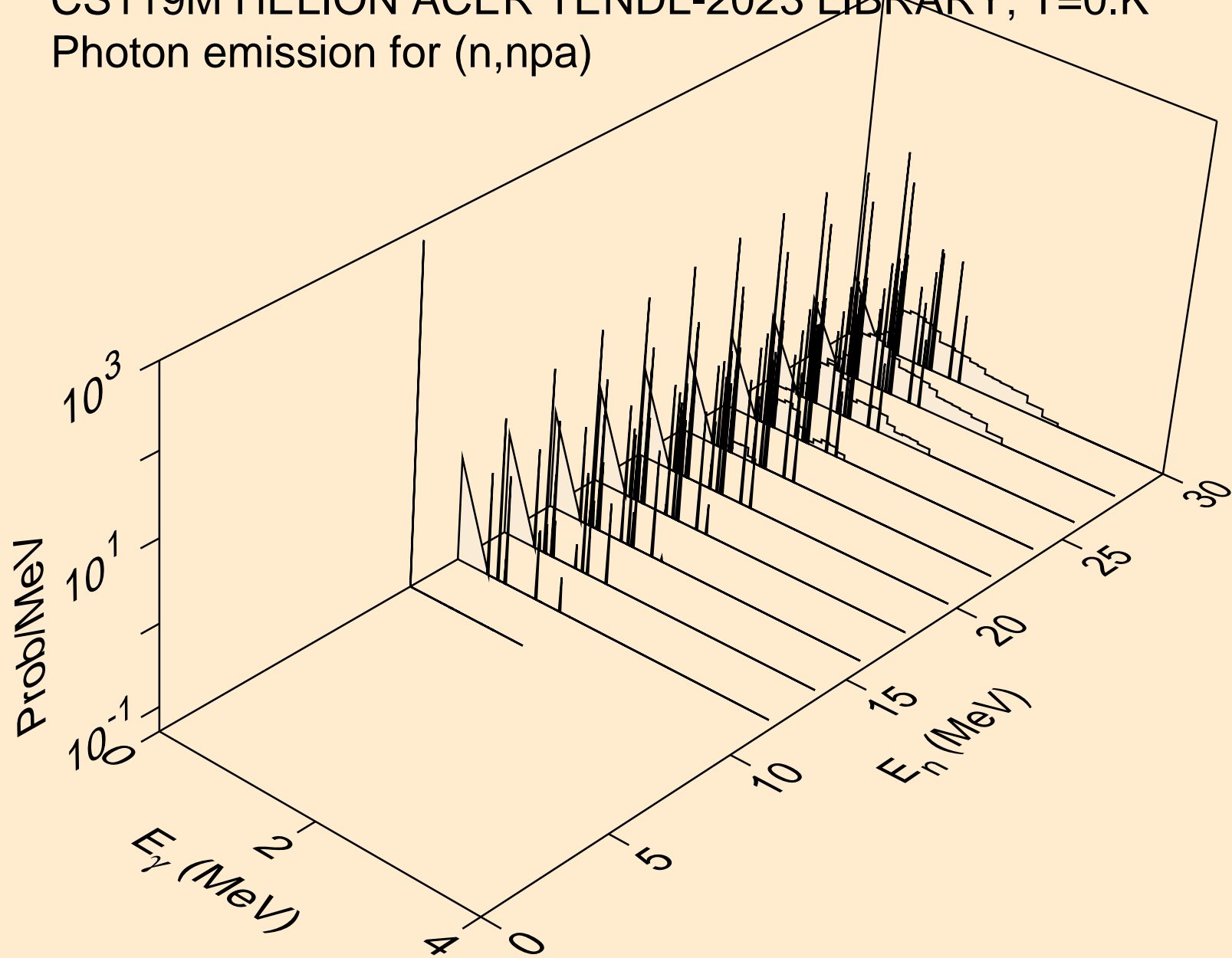
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



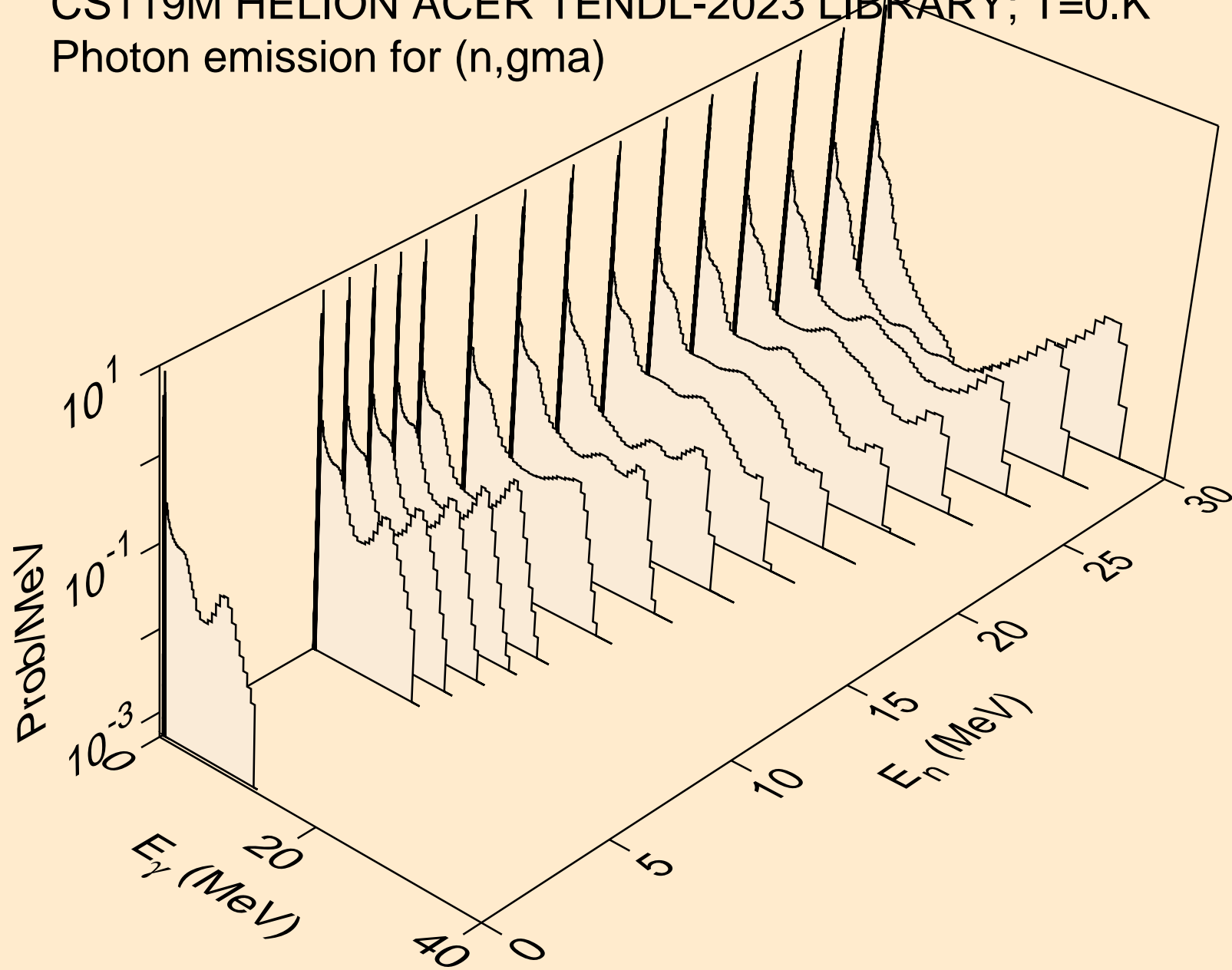
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



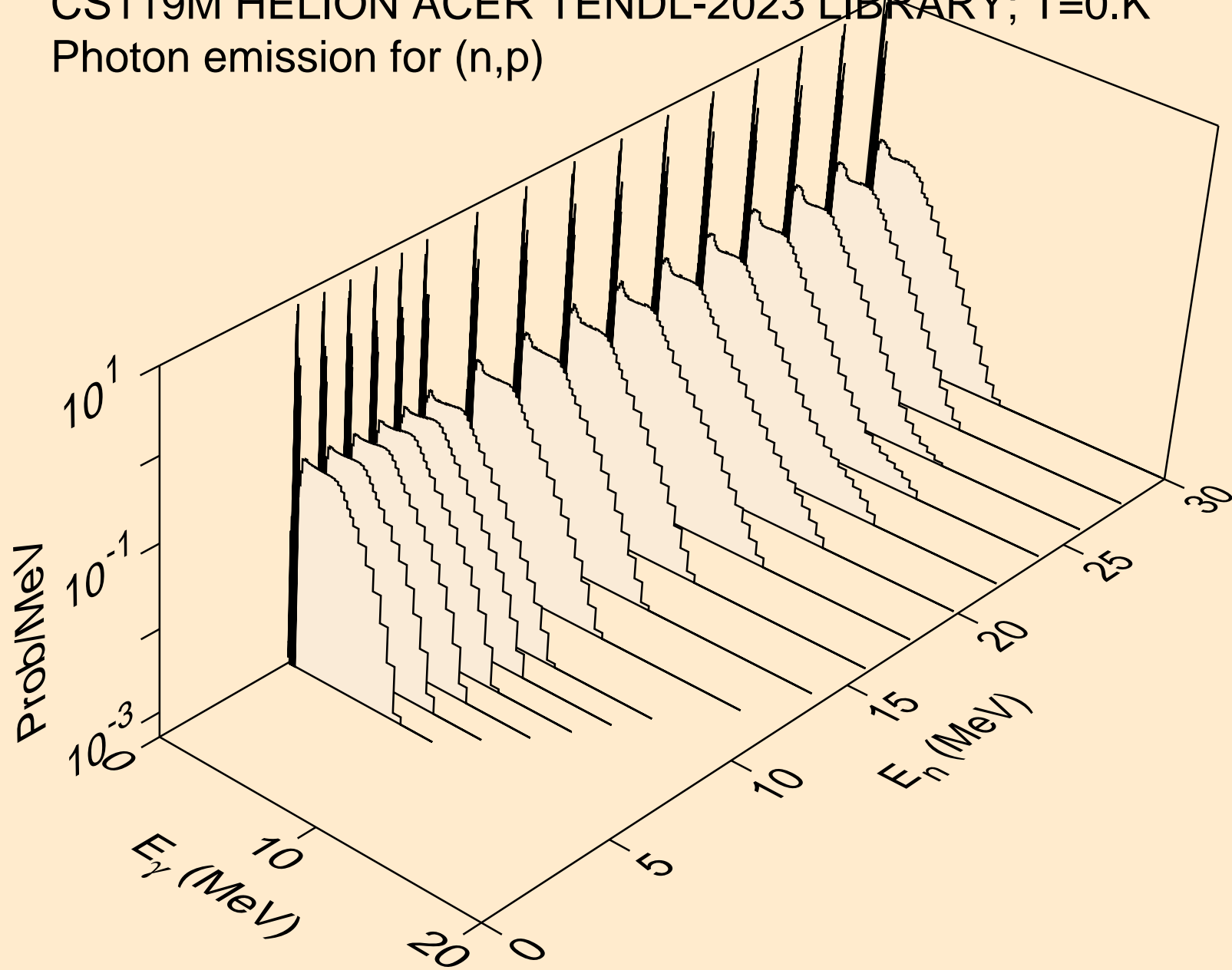
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



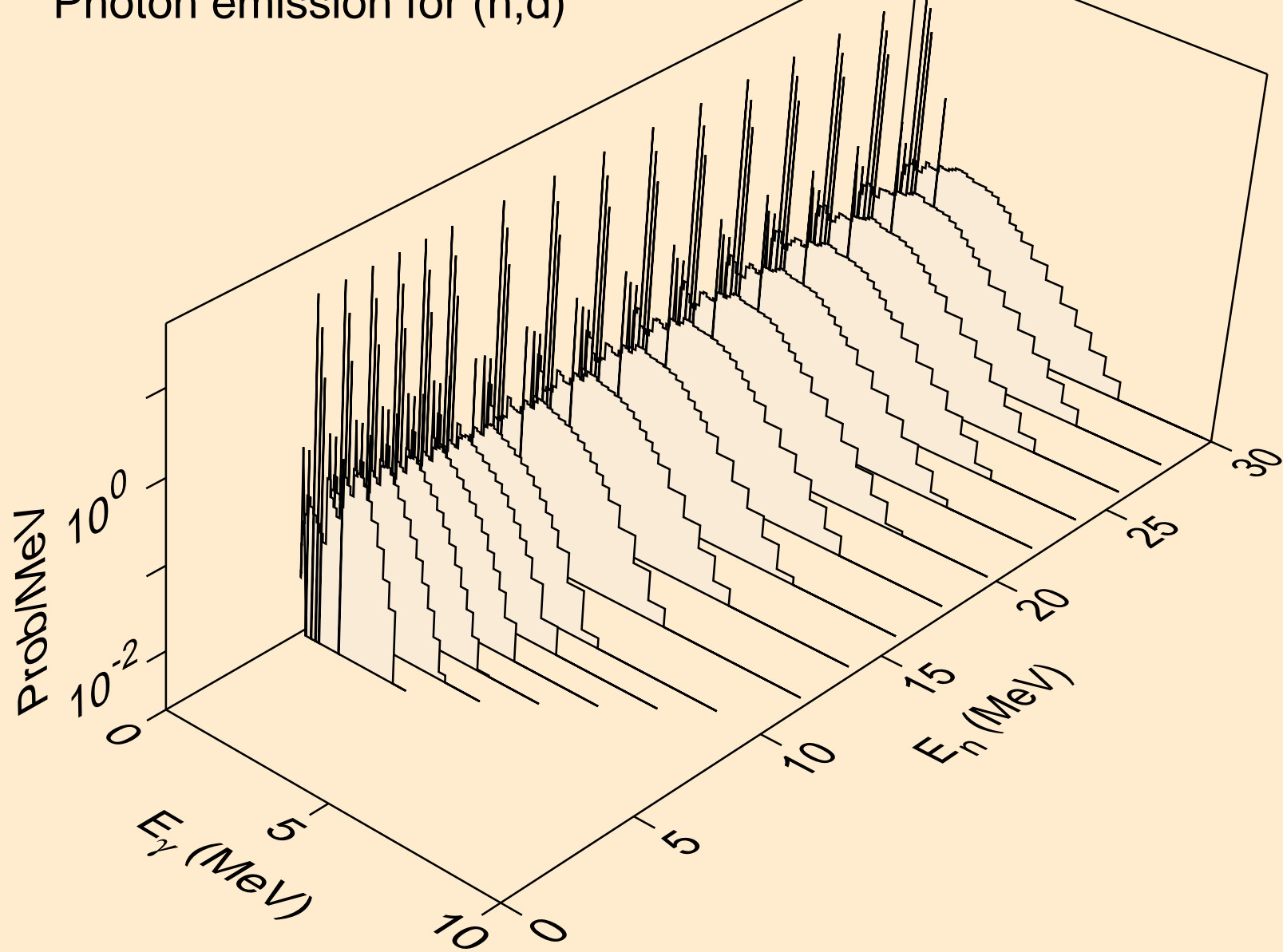
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



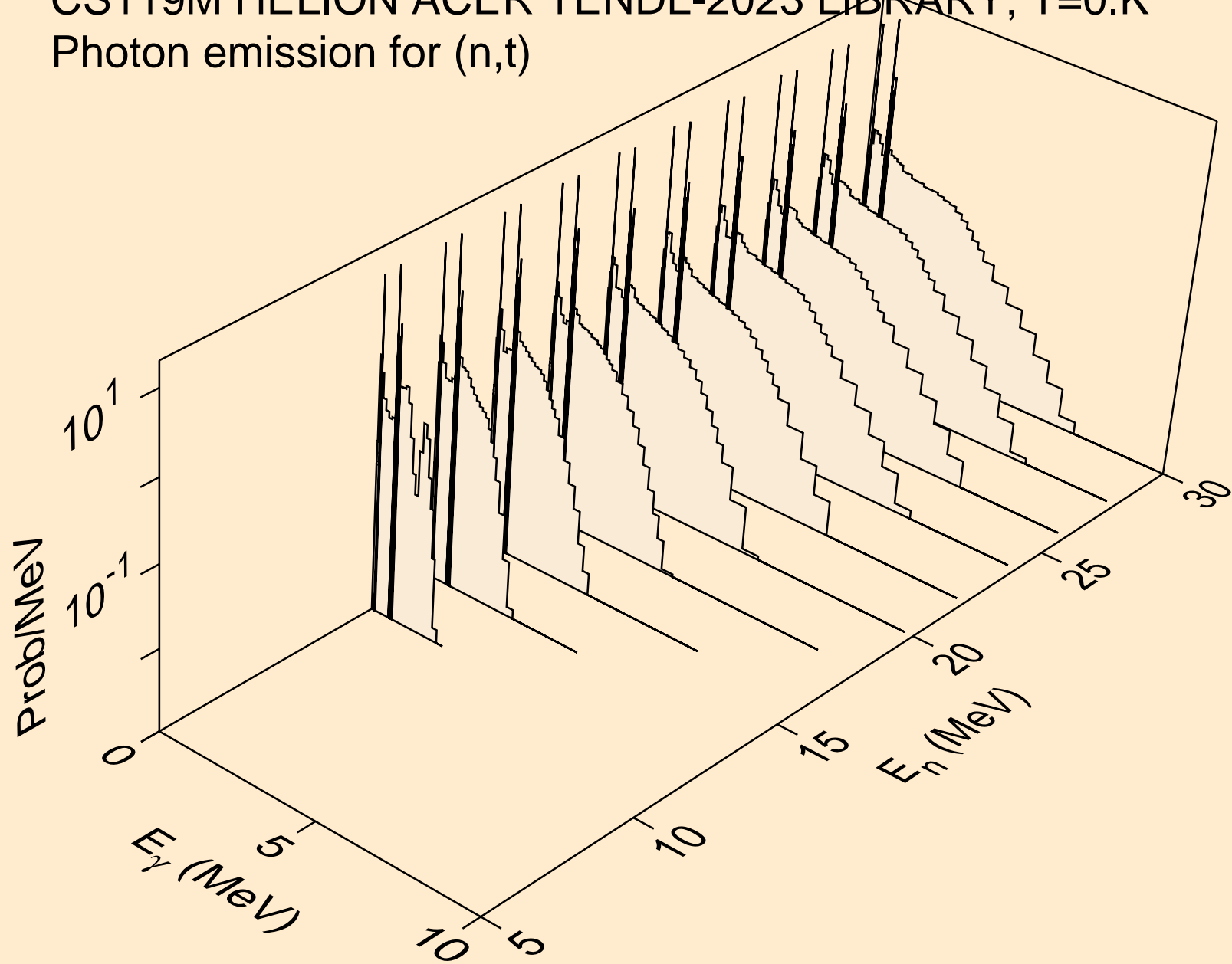
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



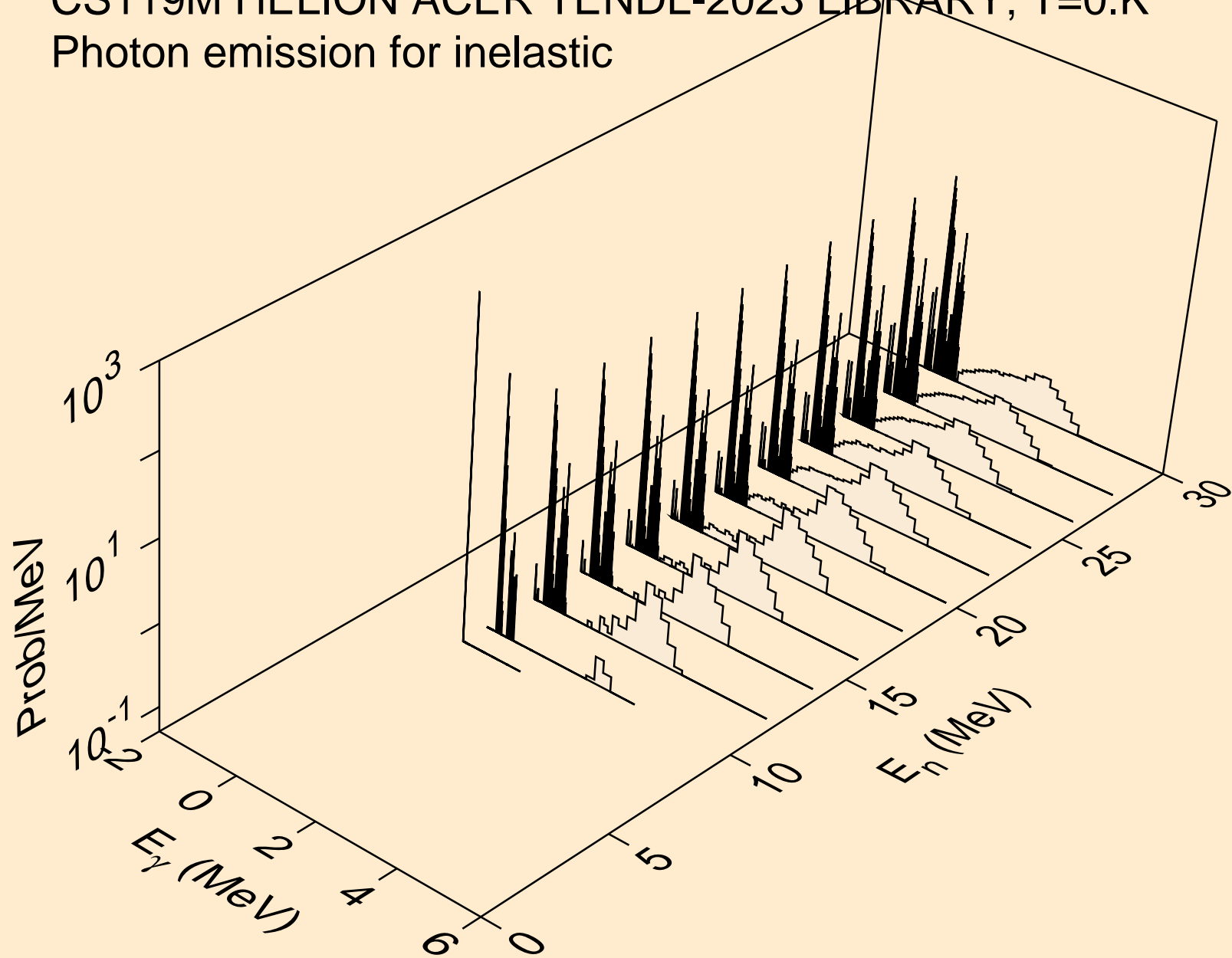
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



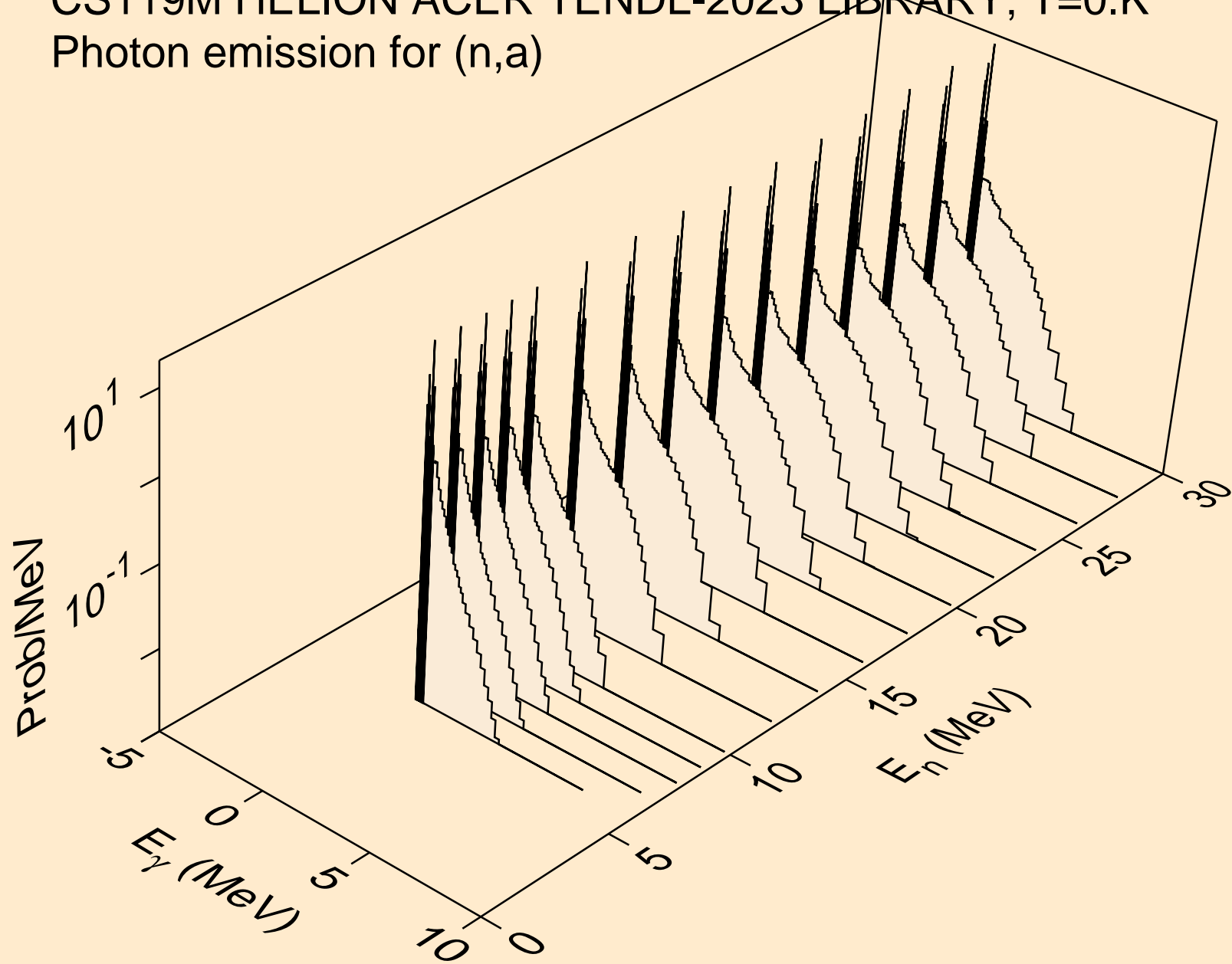
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



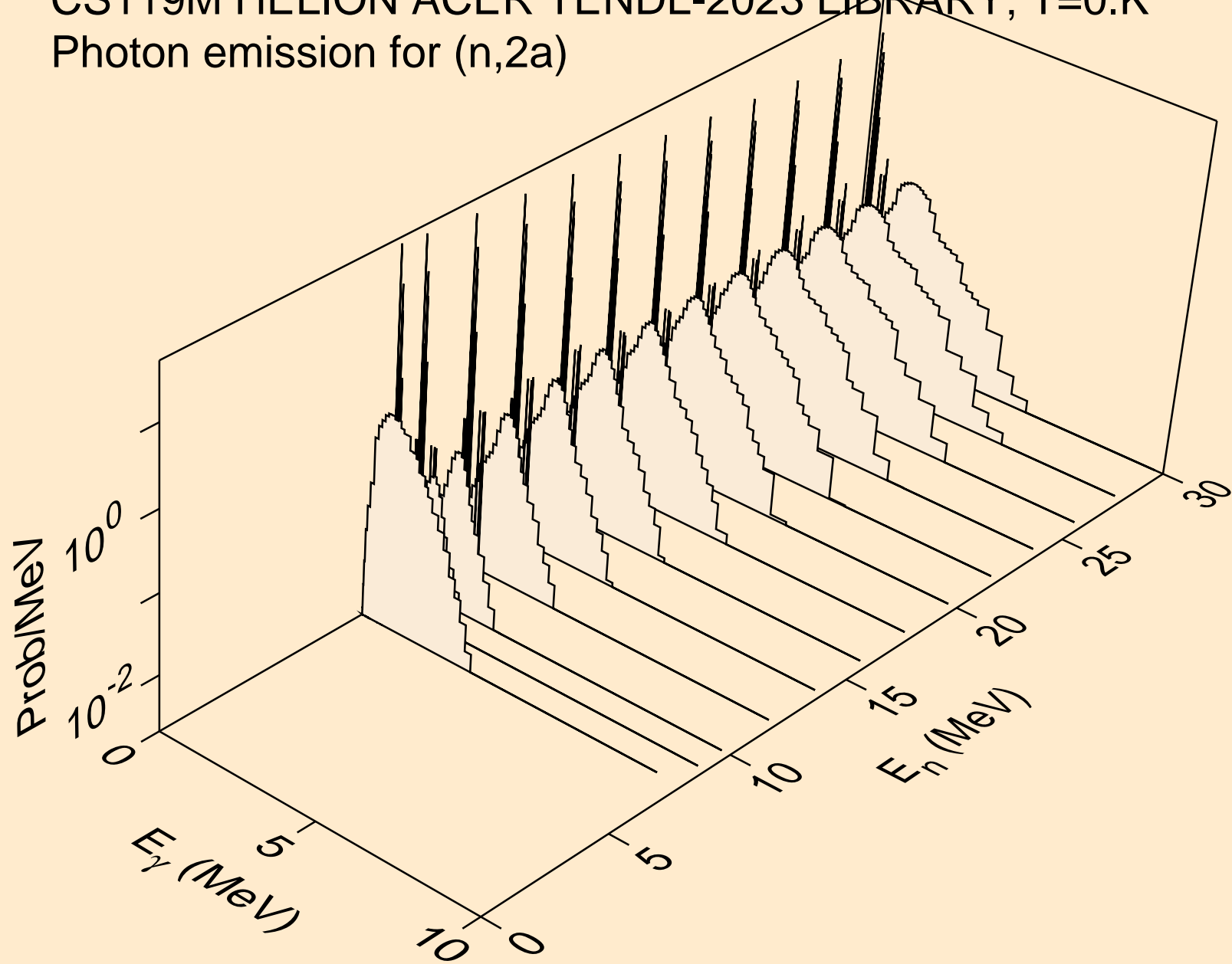
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



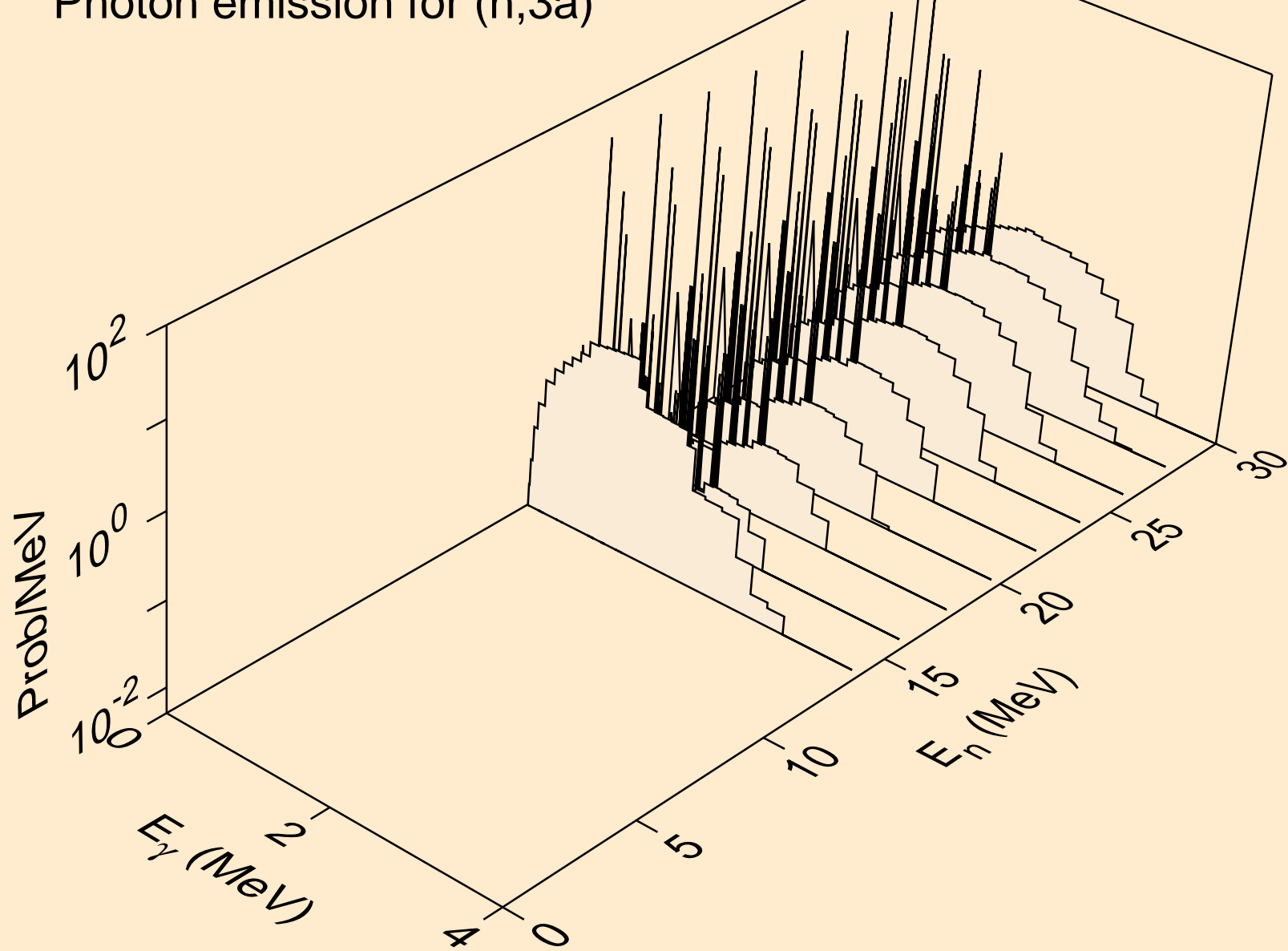
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



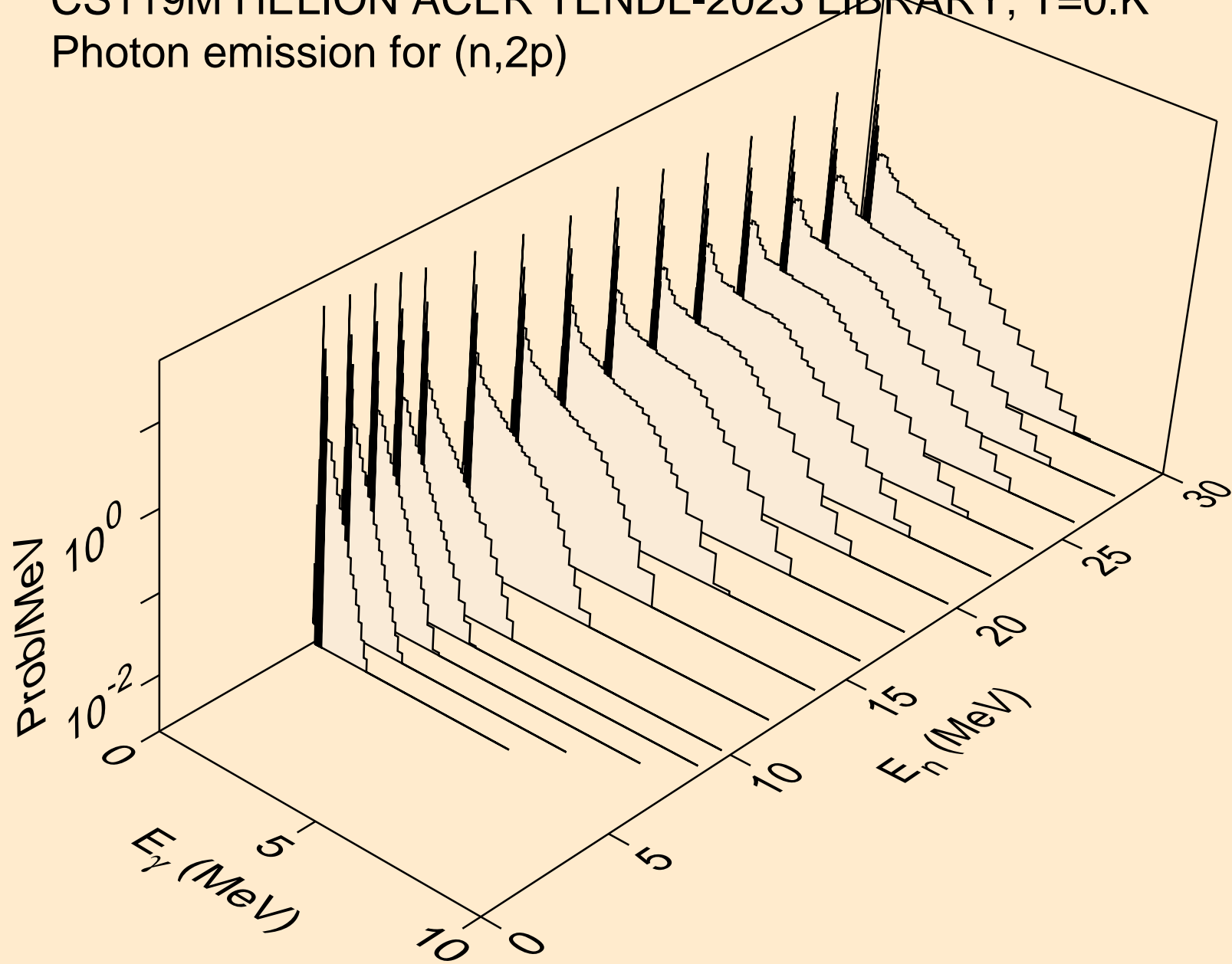
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



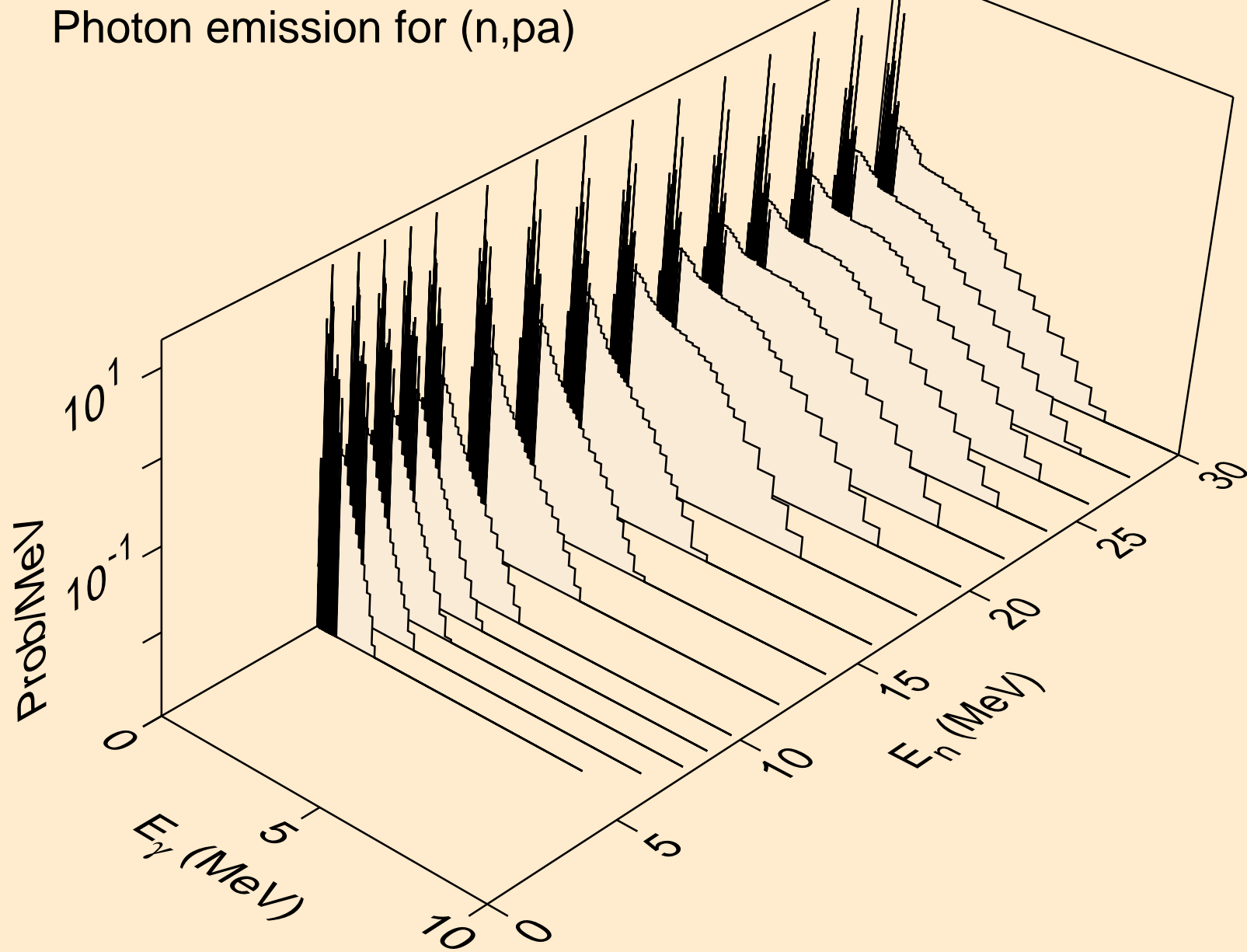
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)



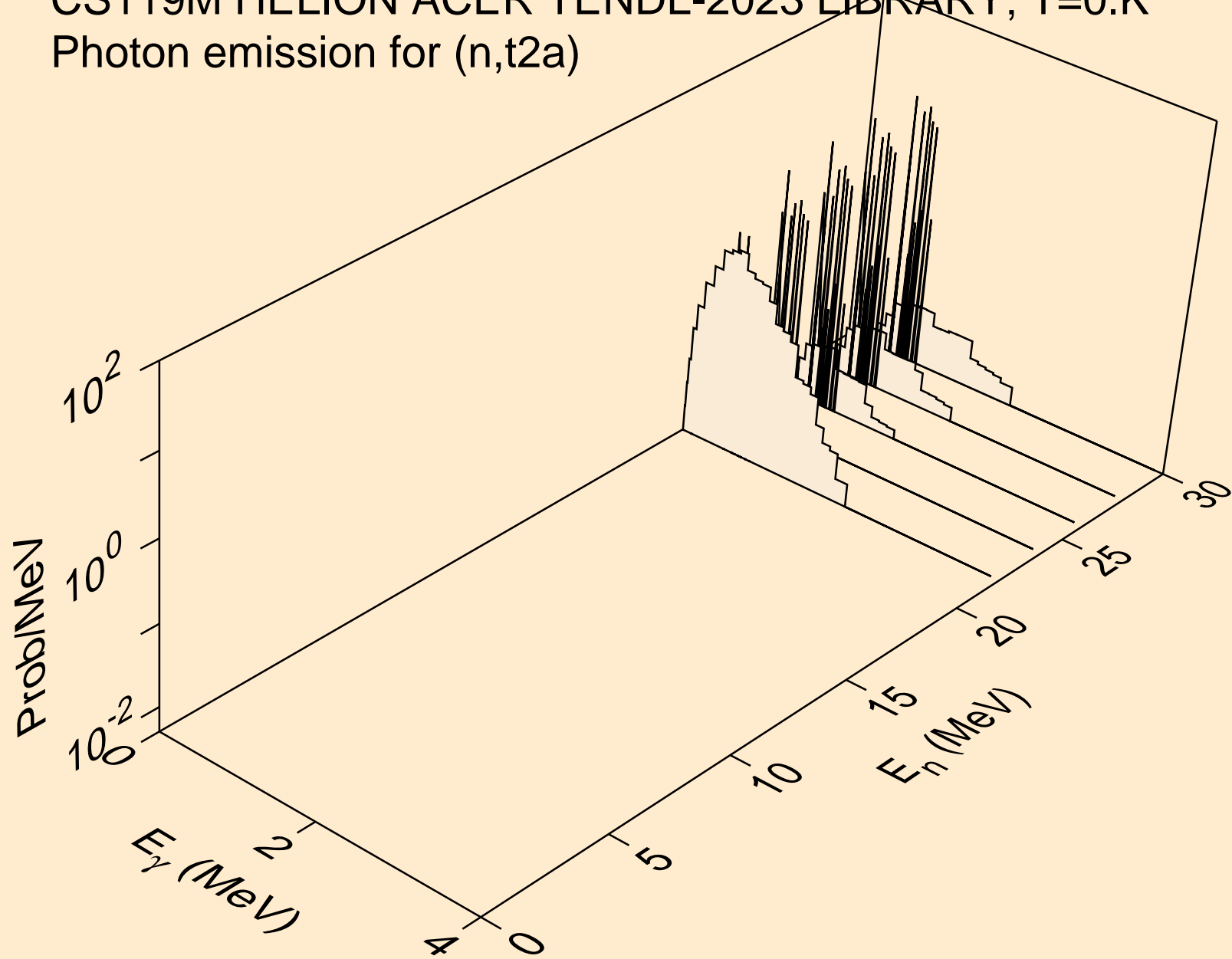
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



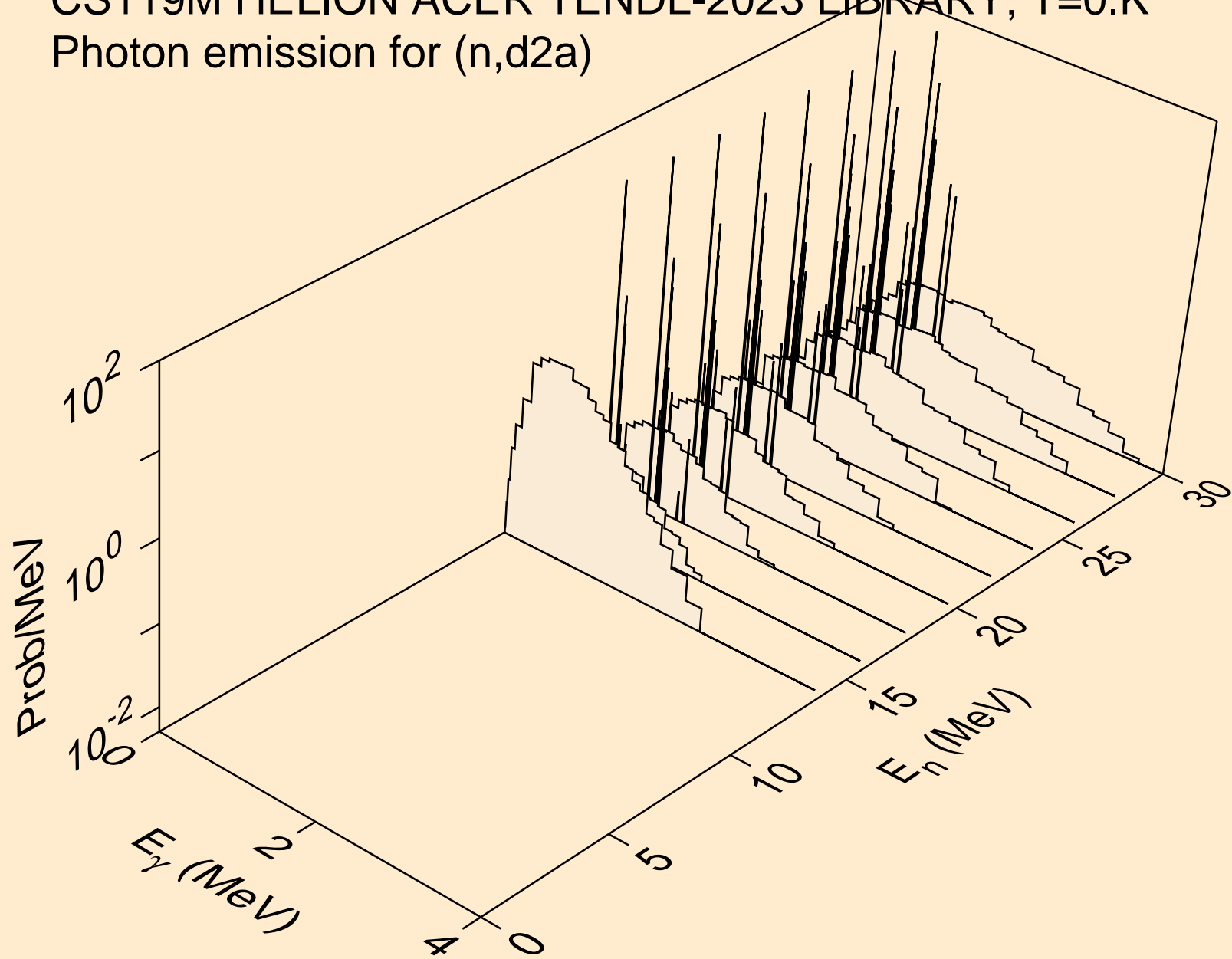
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)



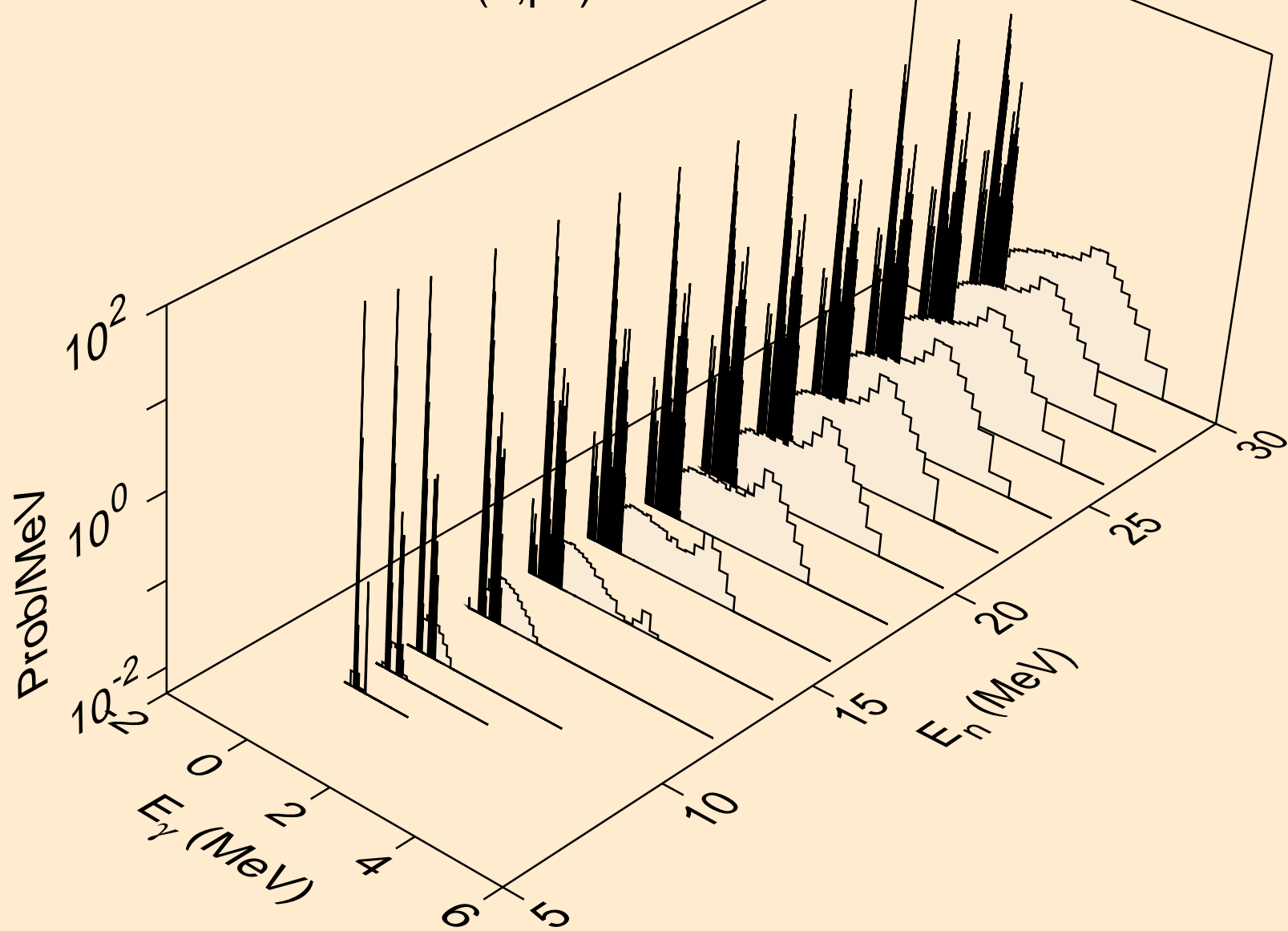
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t2a)



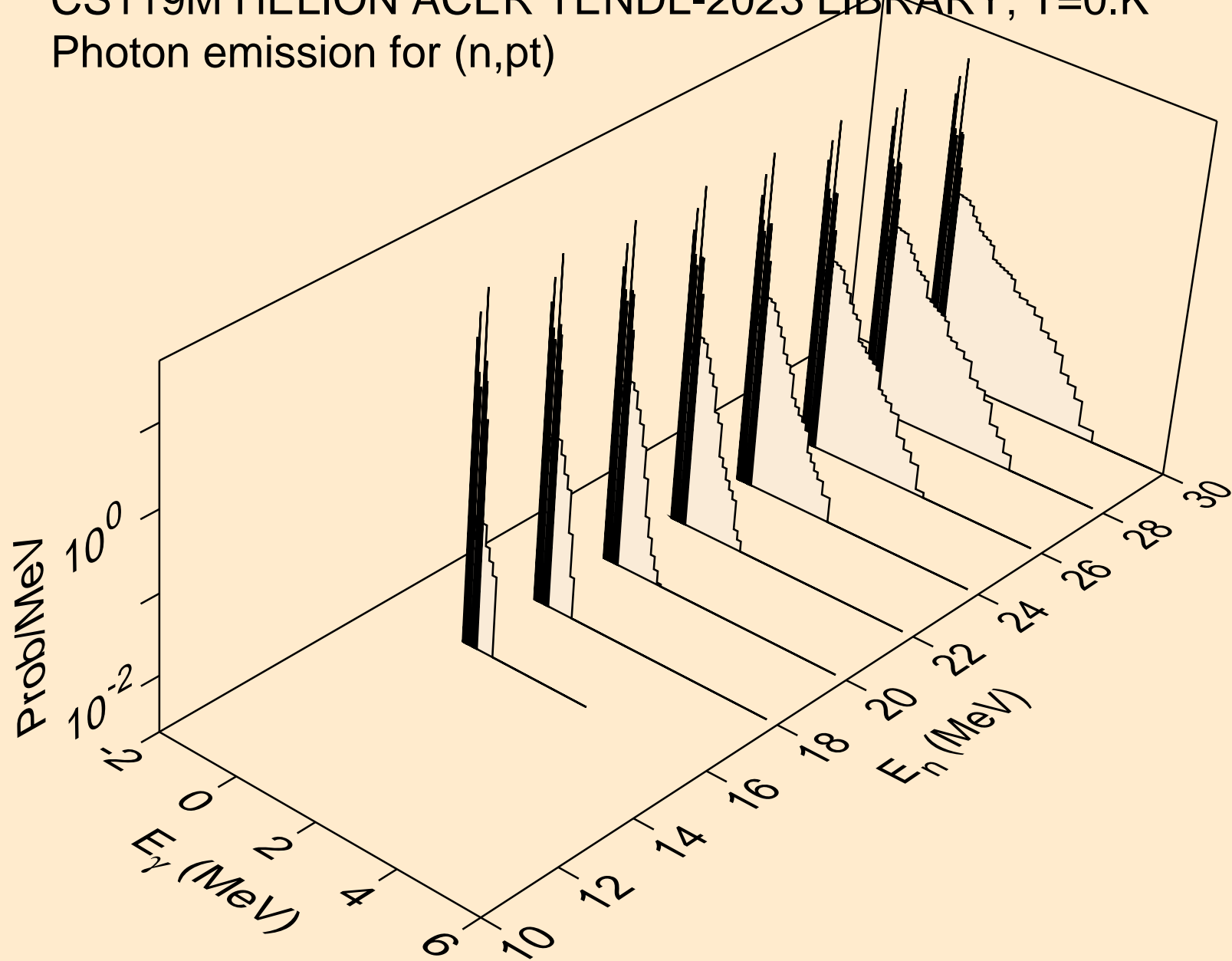
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d2a)



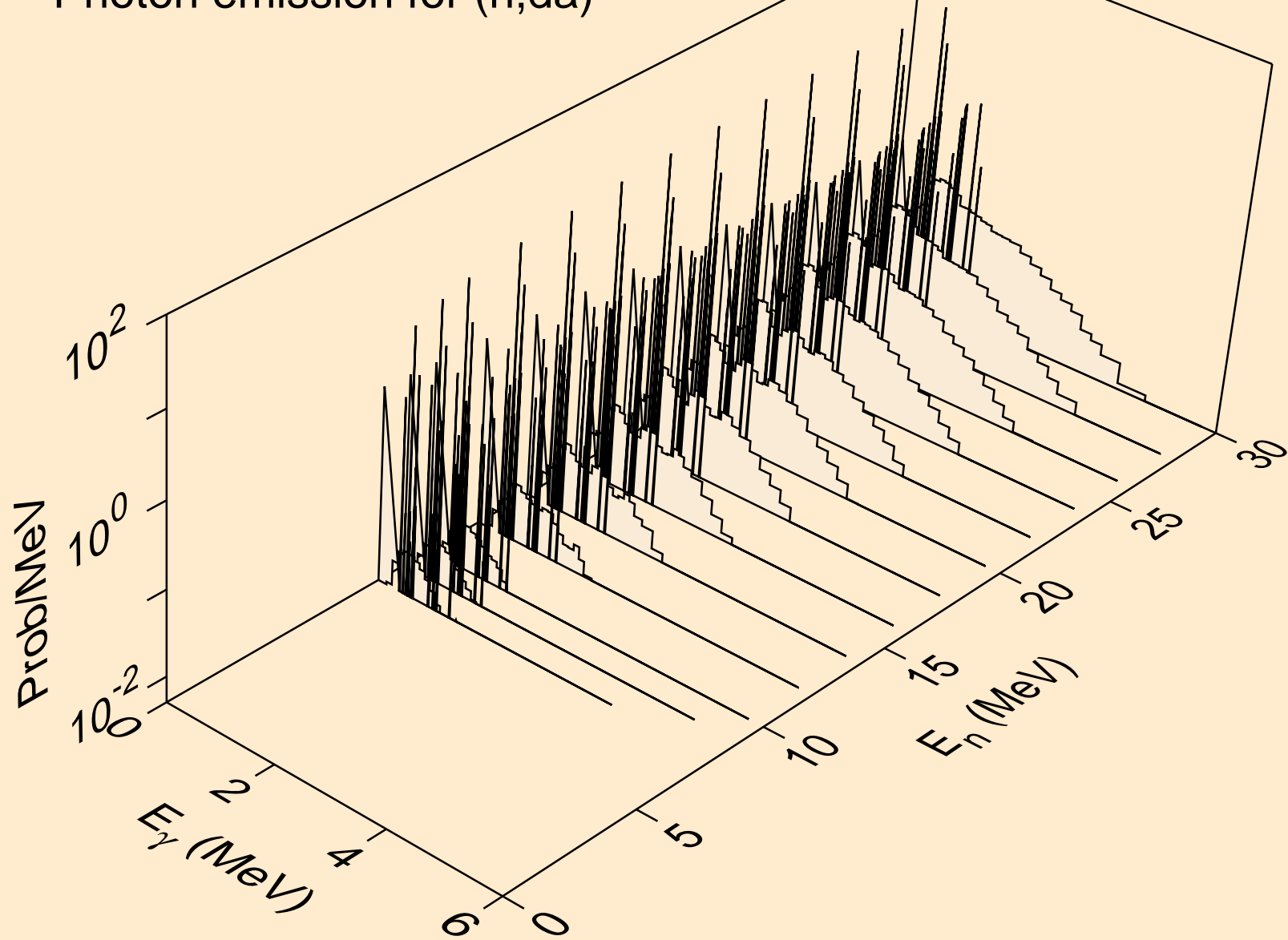
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

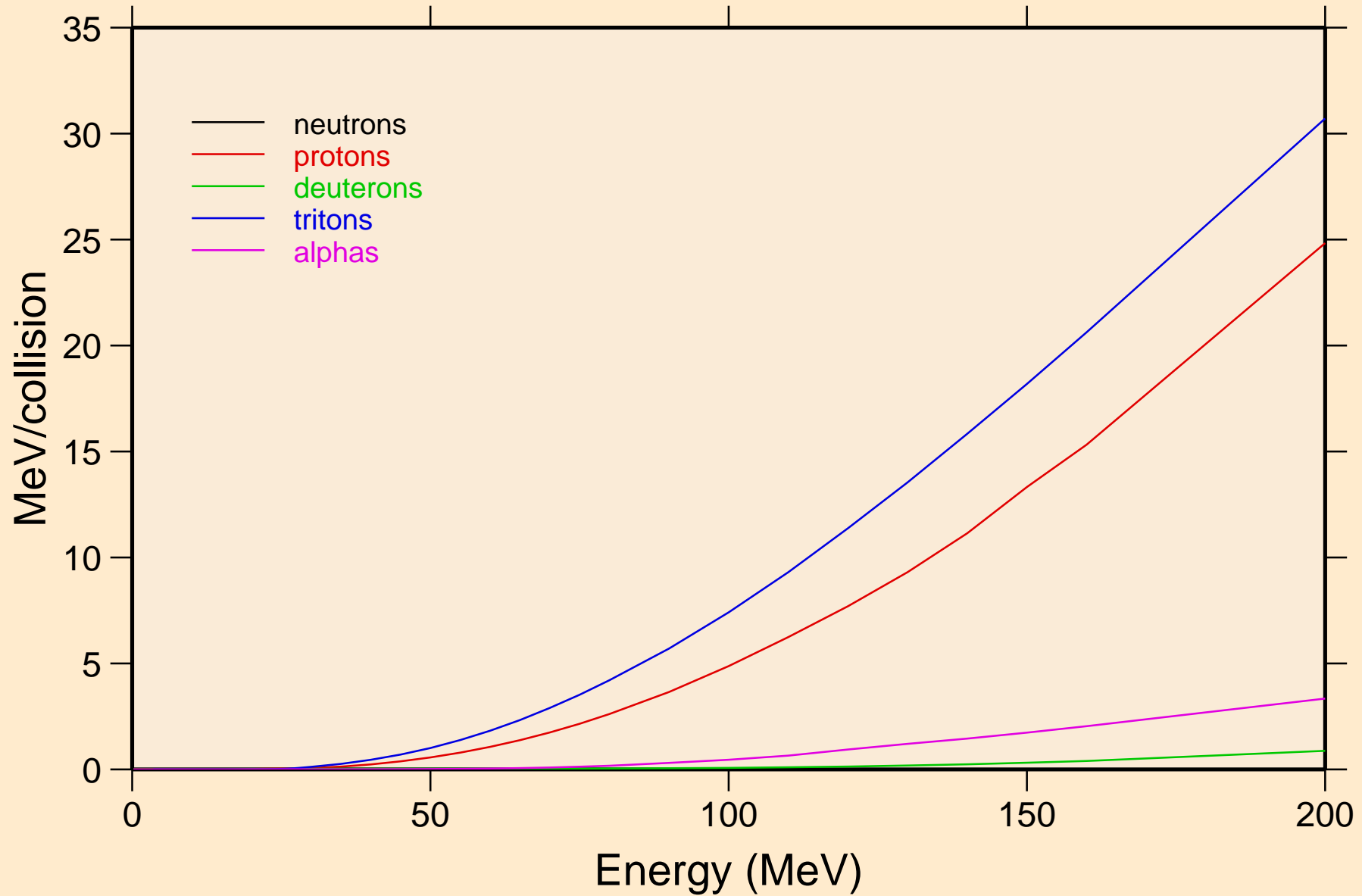


CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



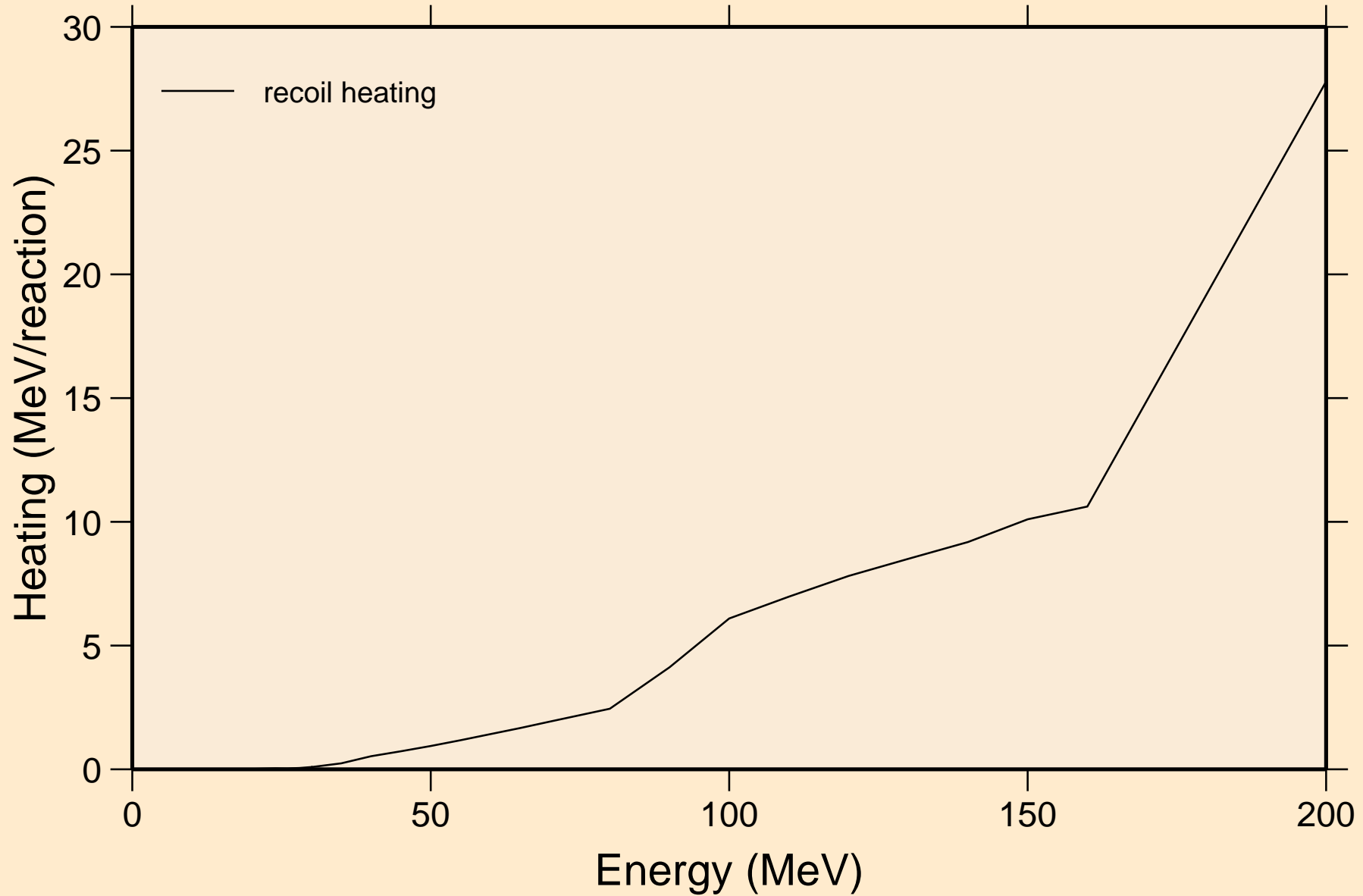
# CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

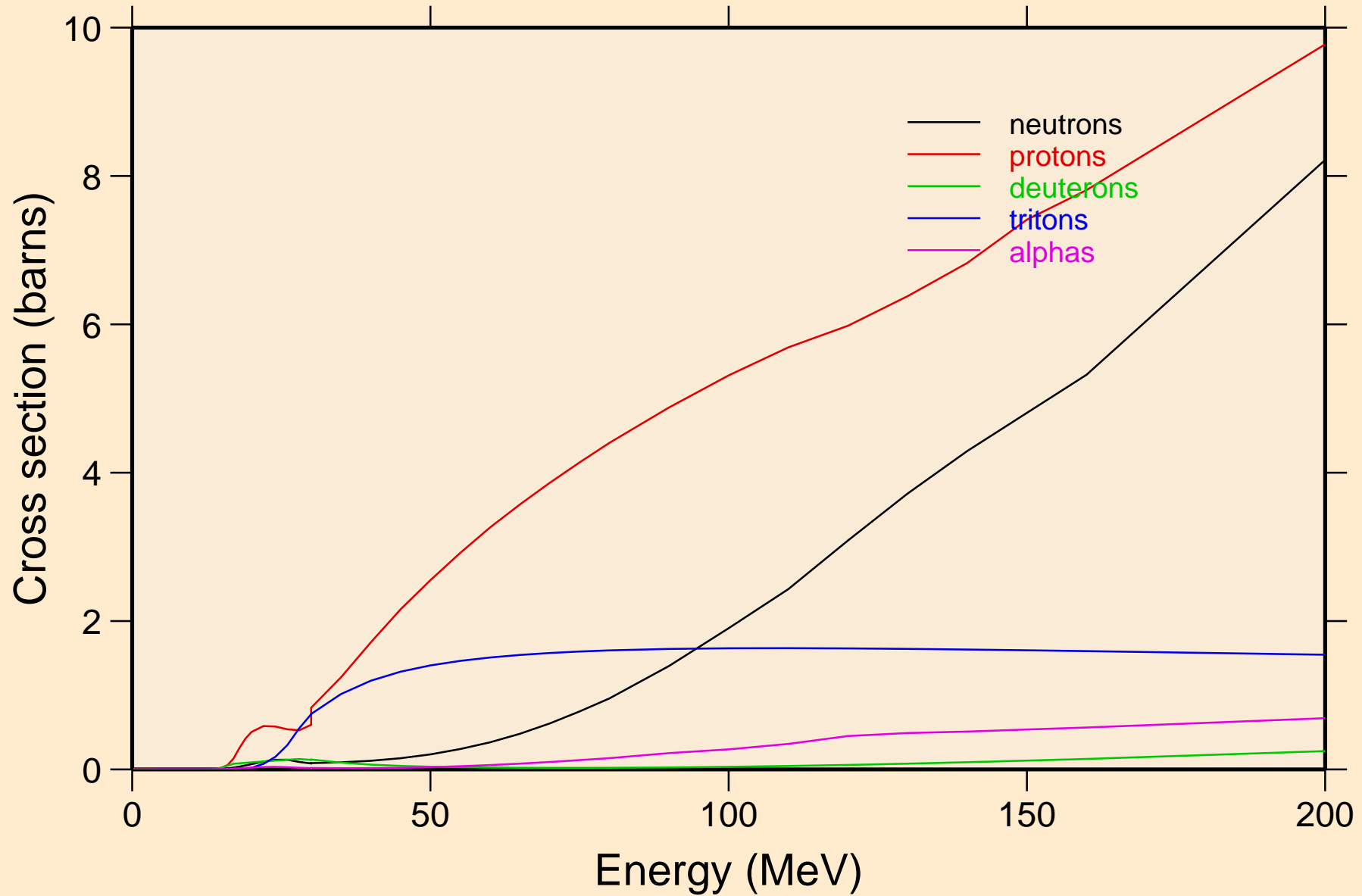


# CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K

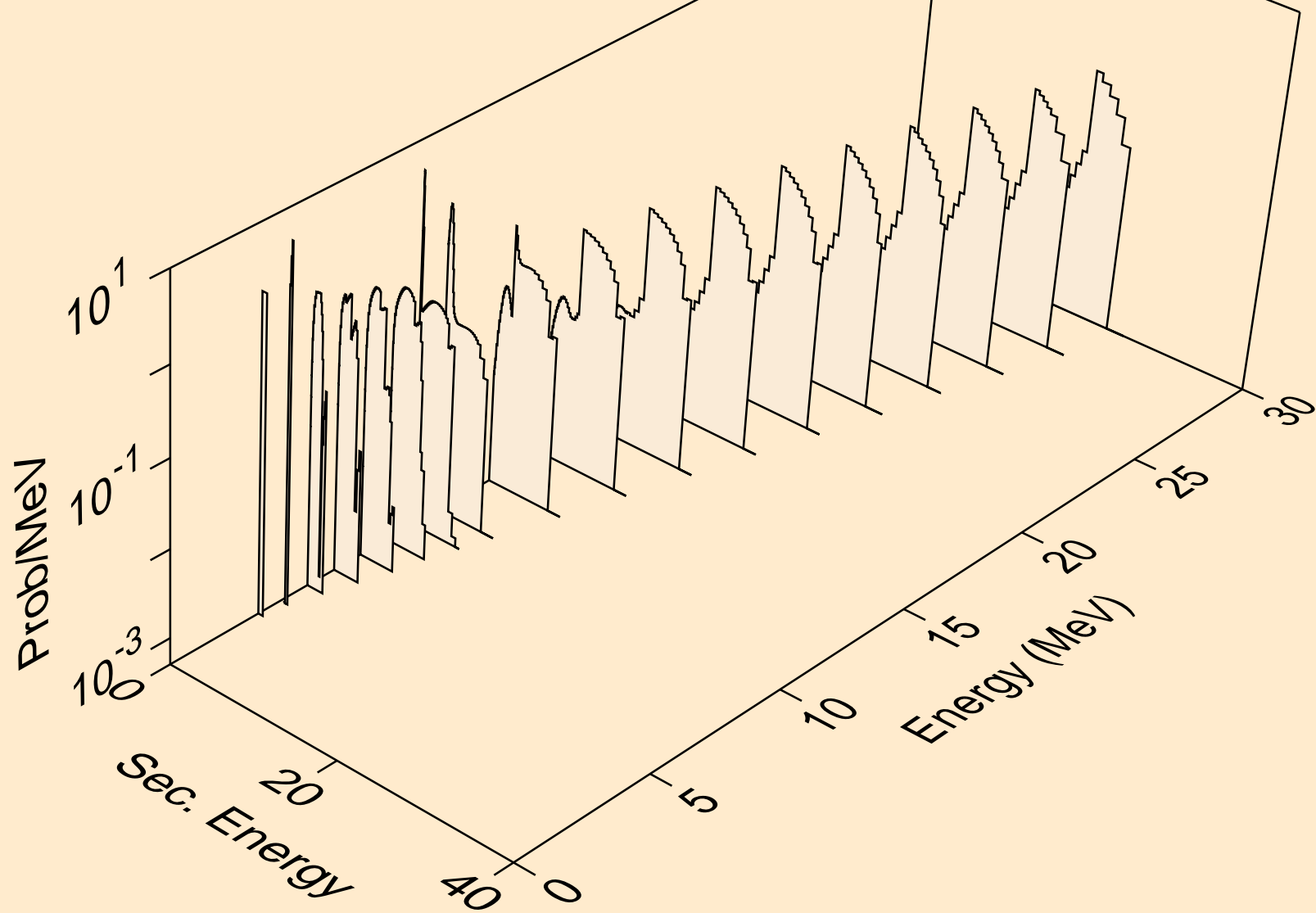
## Recoil Heating



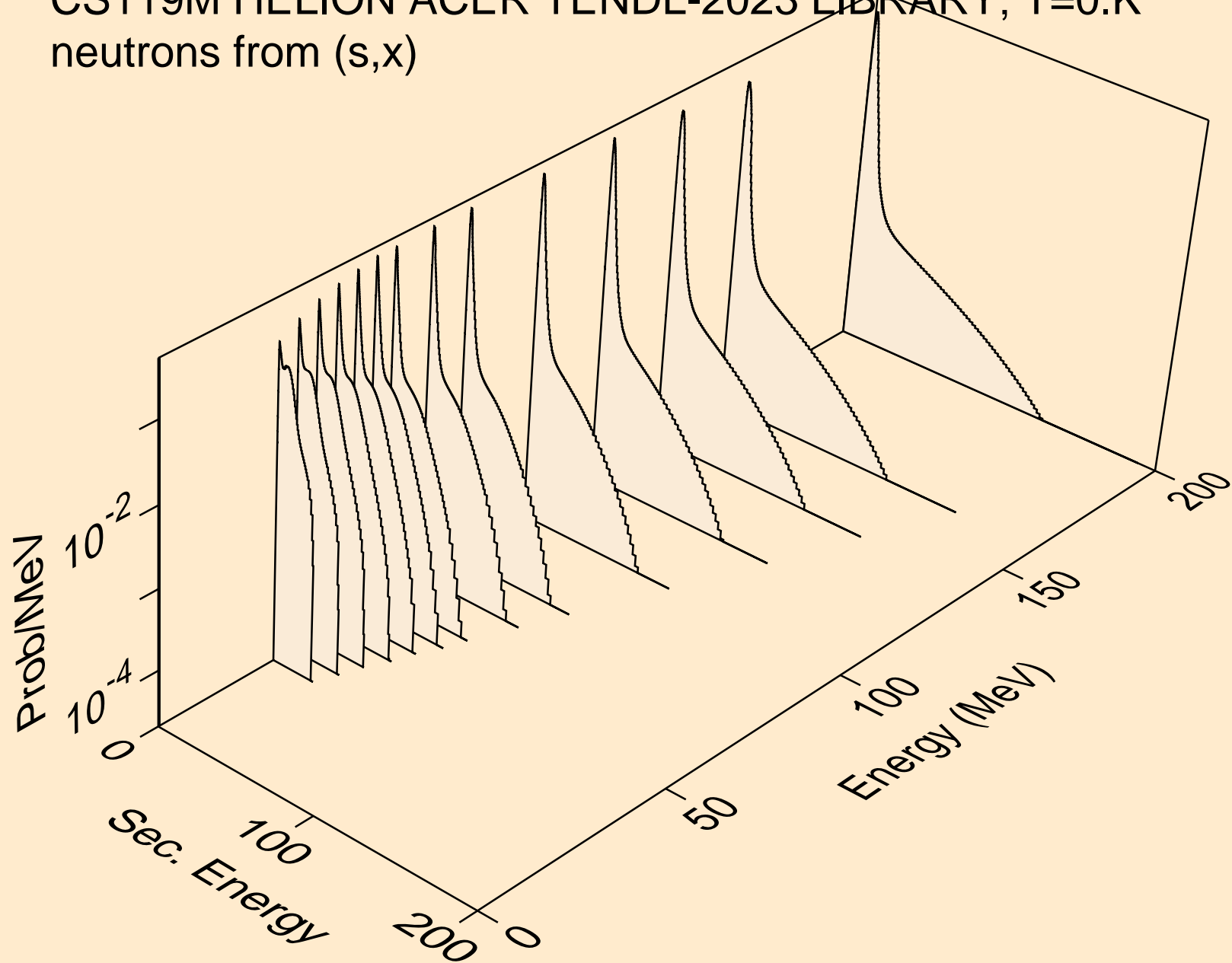
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



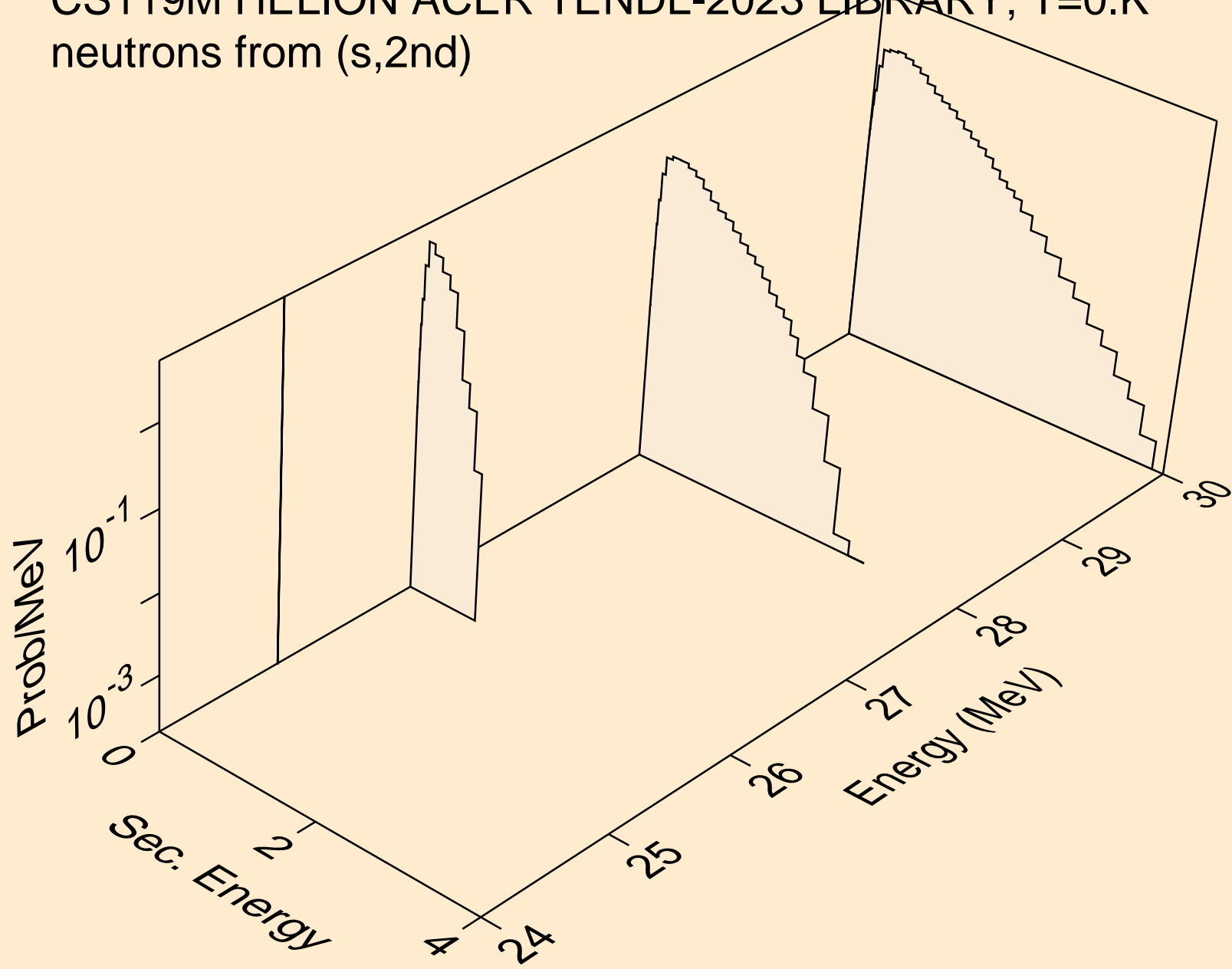
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



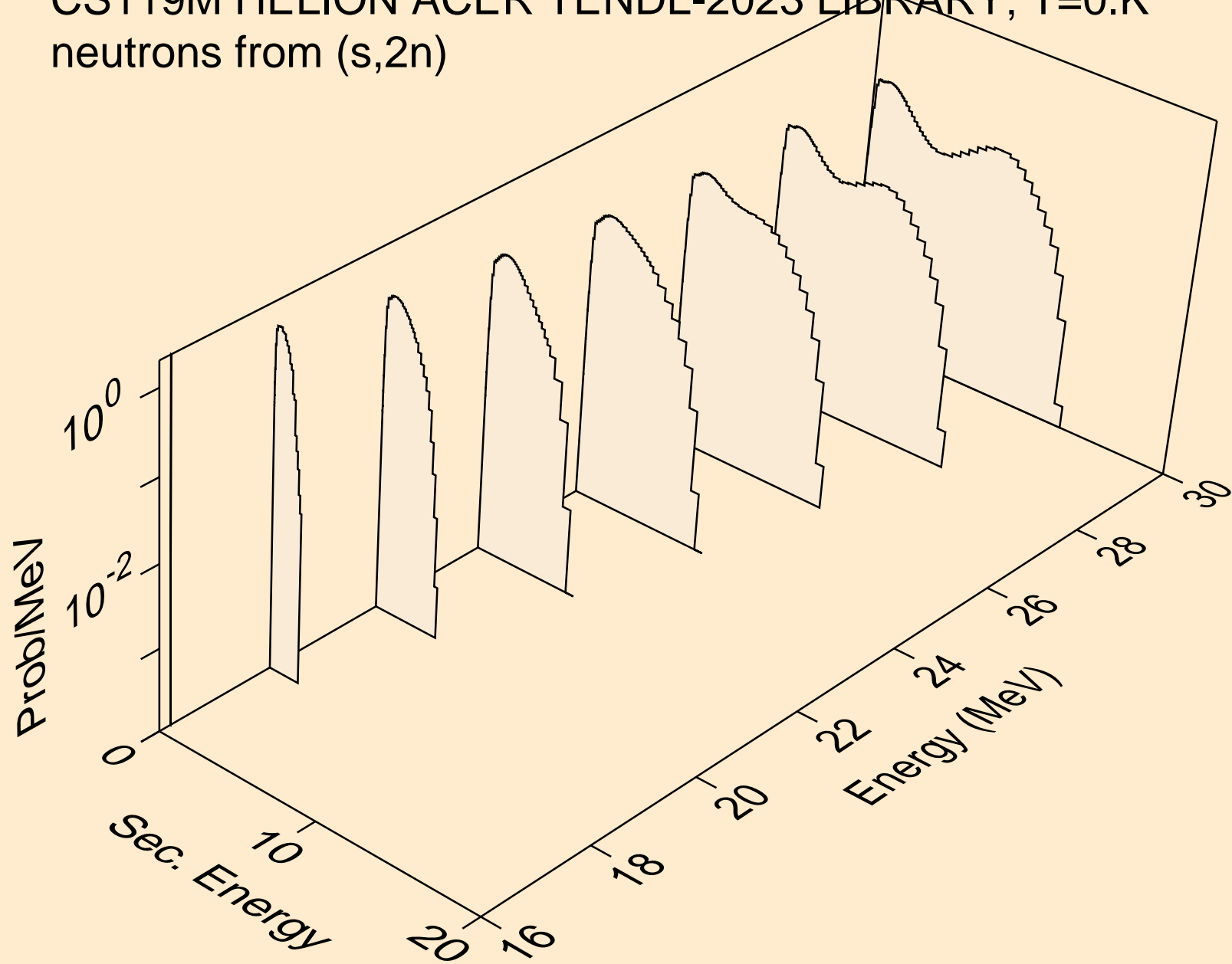
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,x)



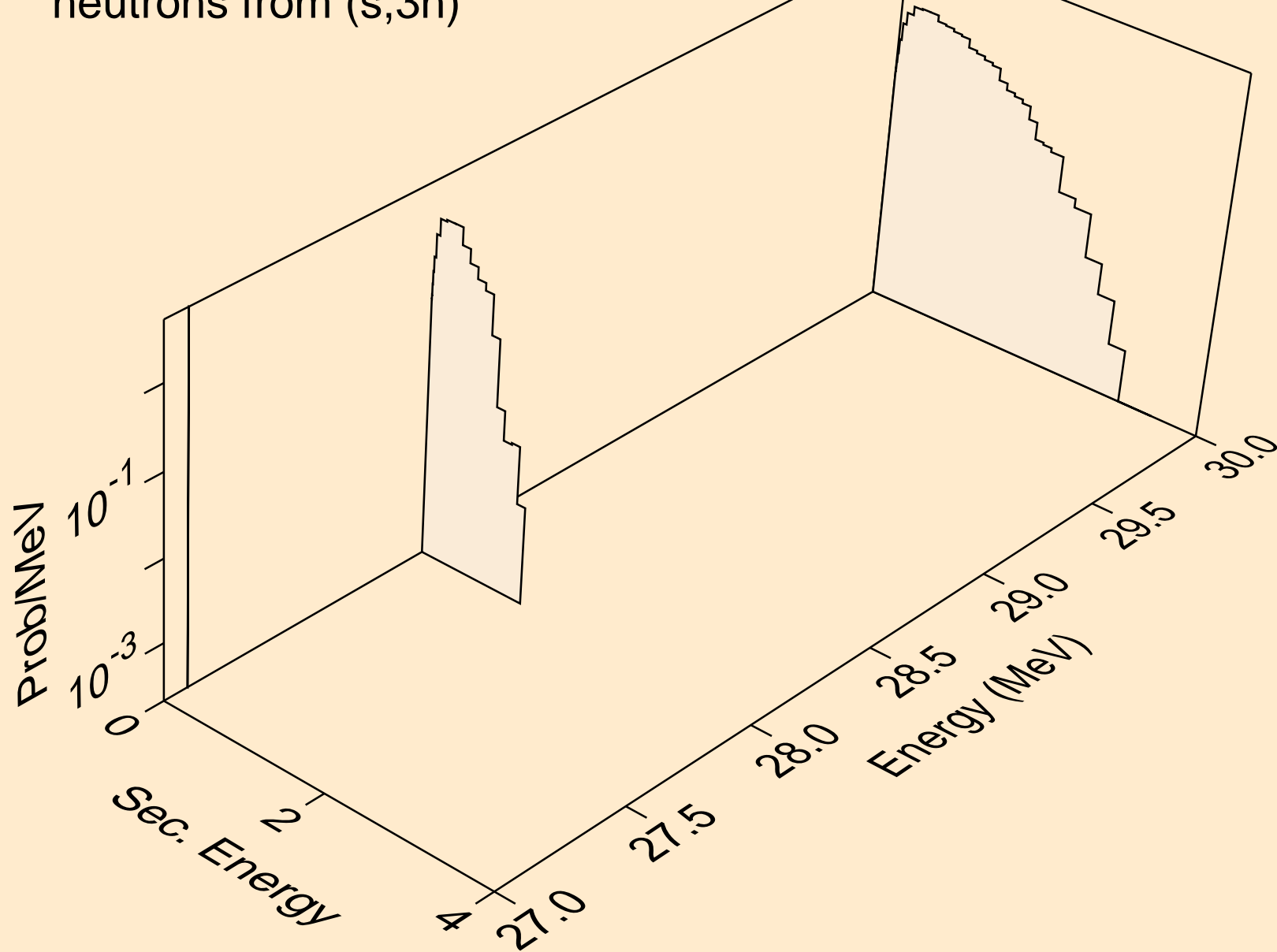
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2nd)



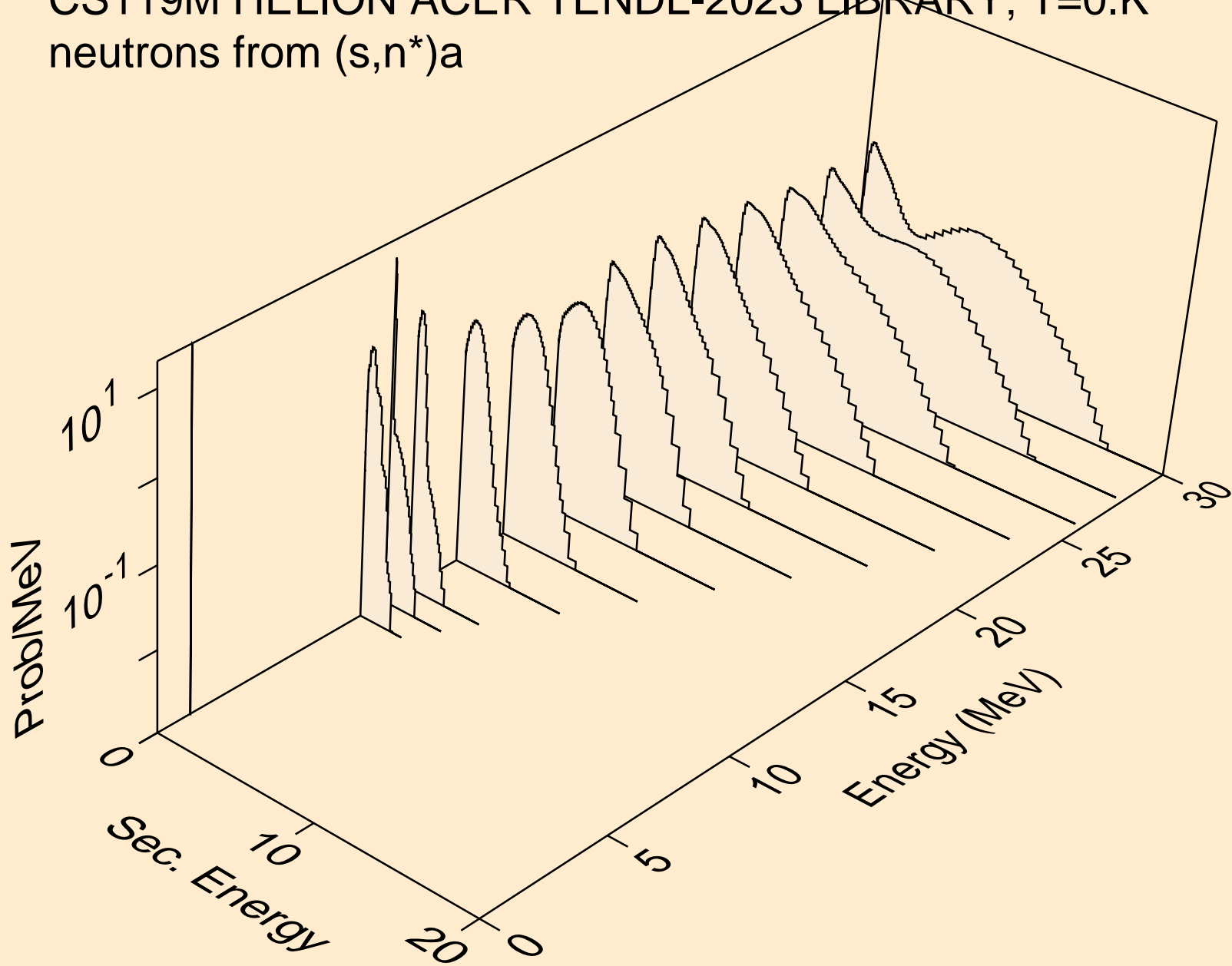
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)



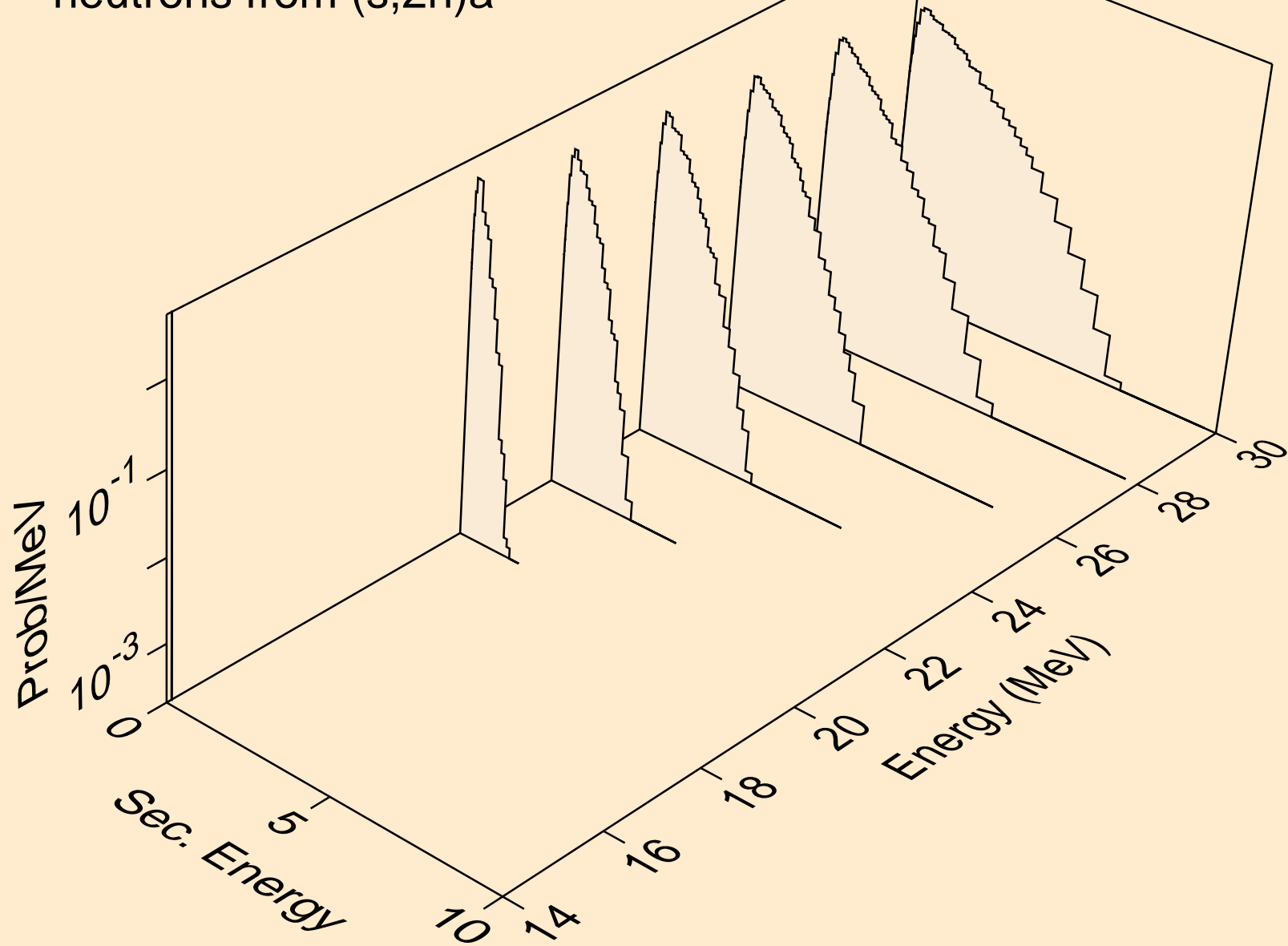
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3n)



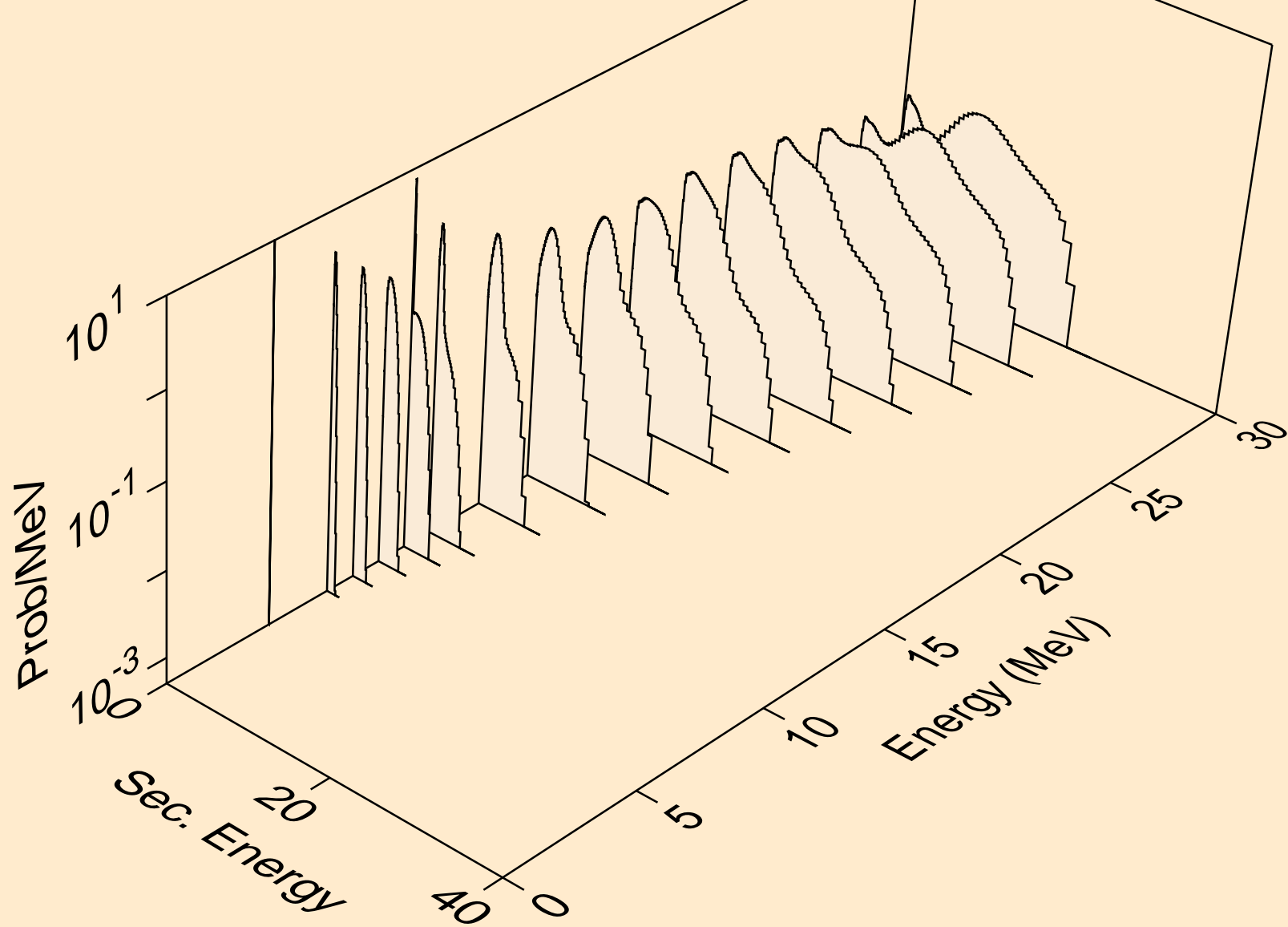
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a



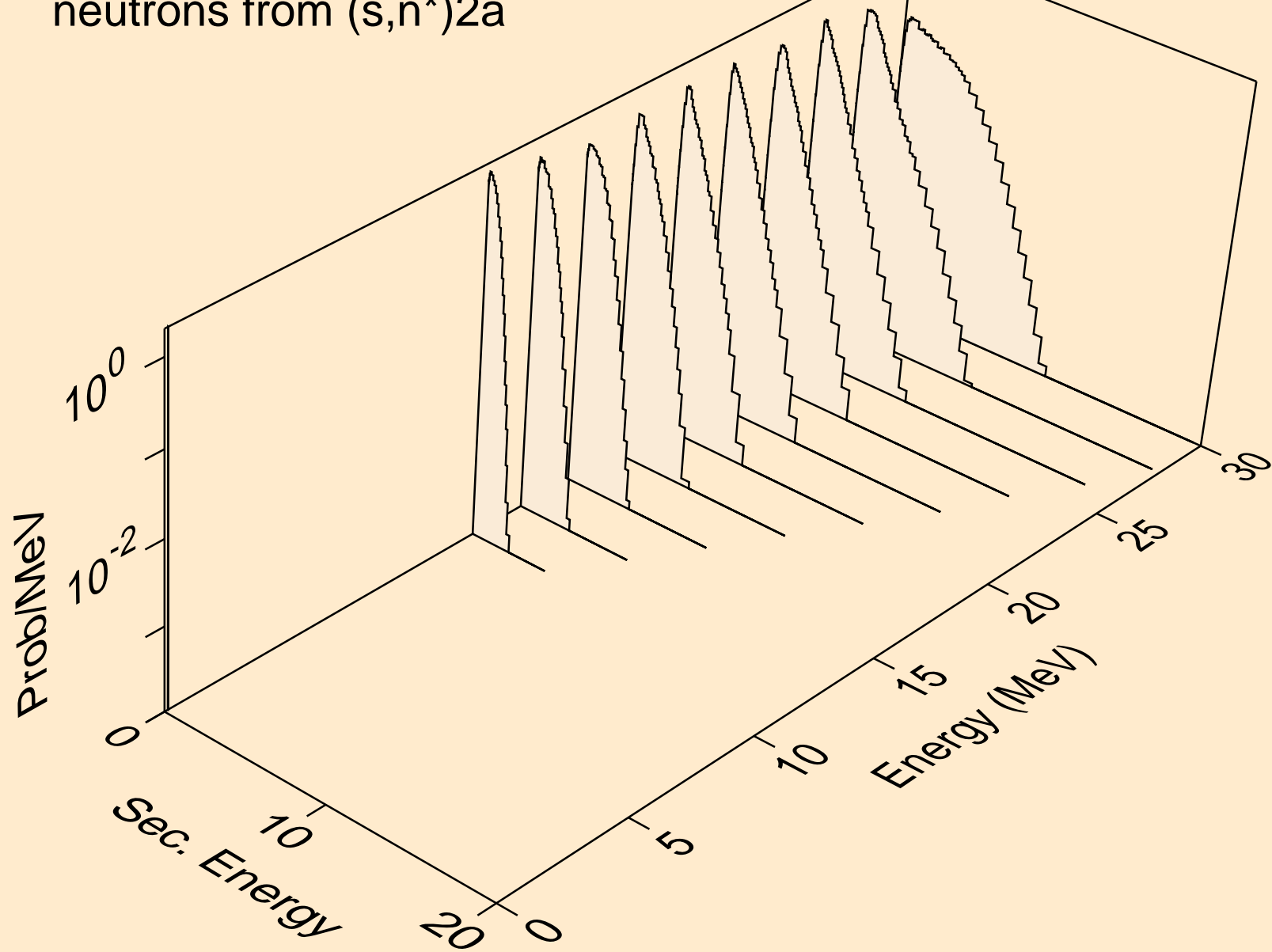
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)a



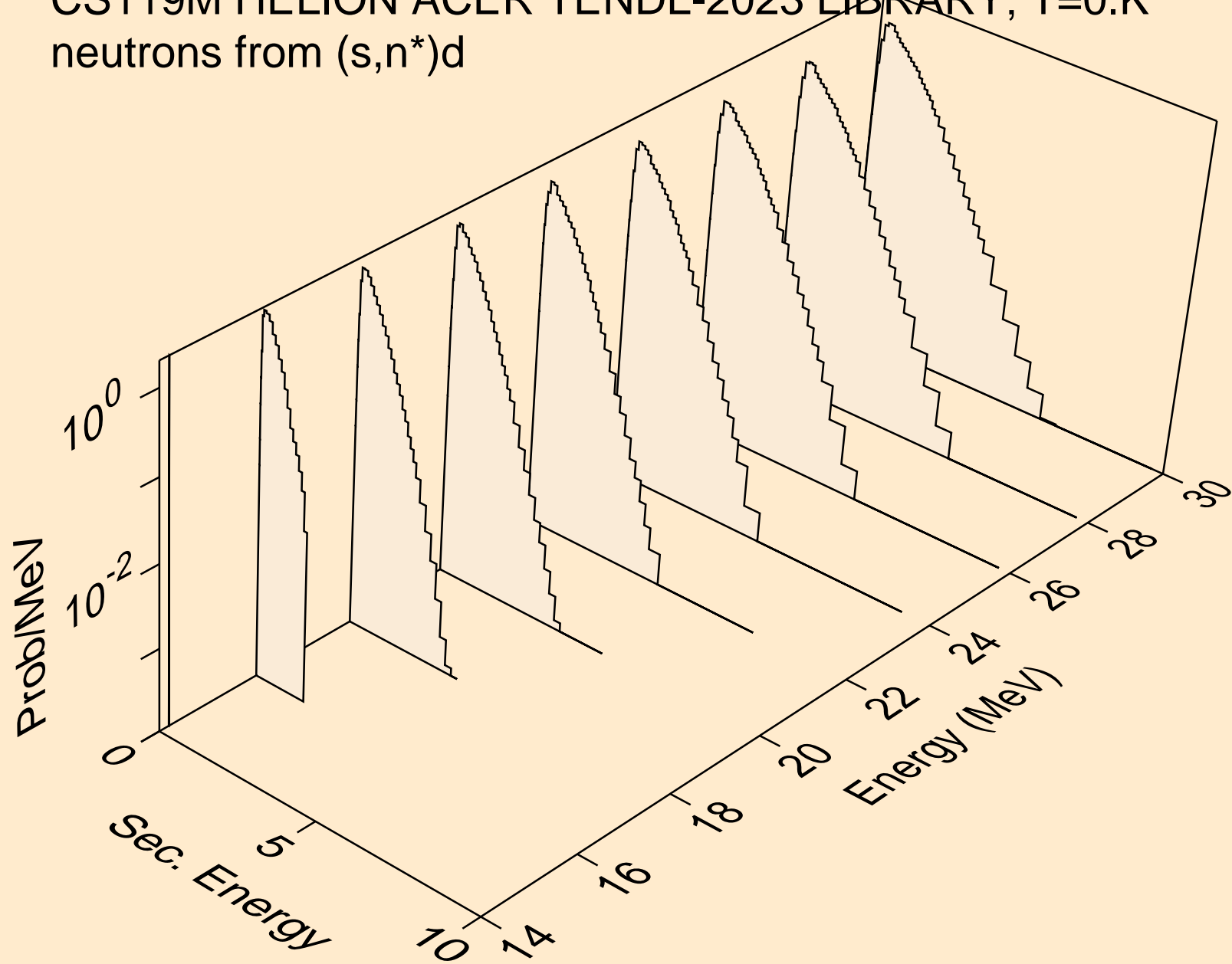
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)p



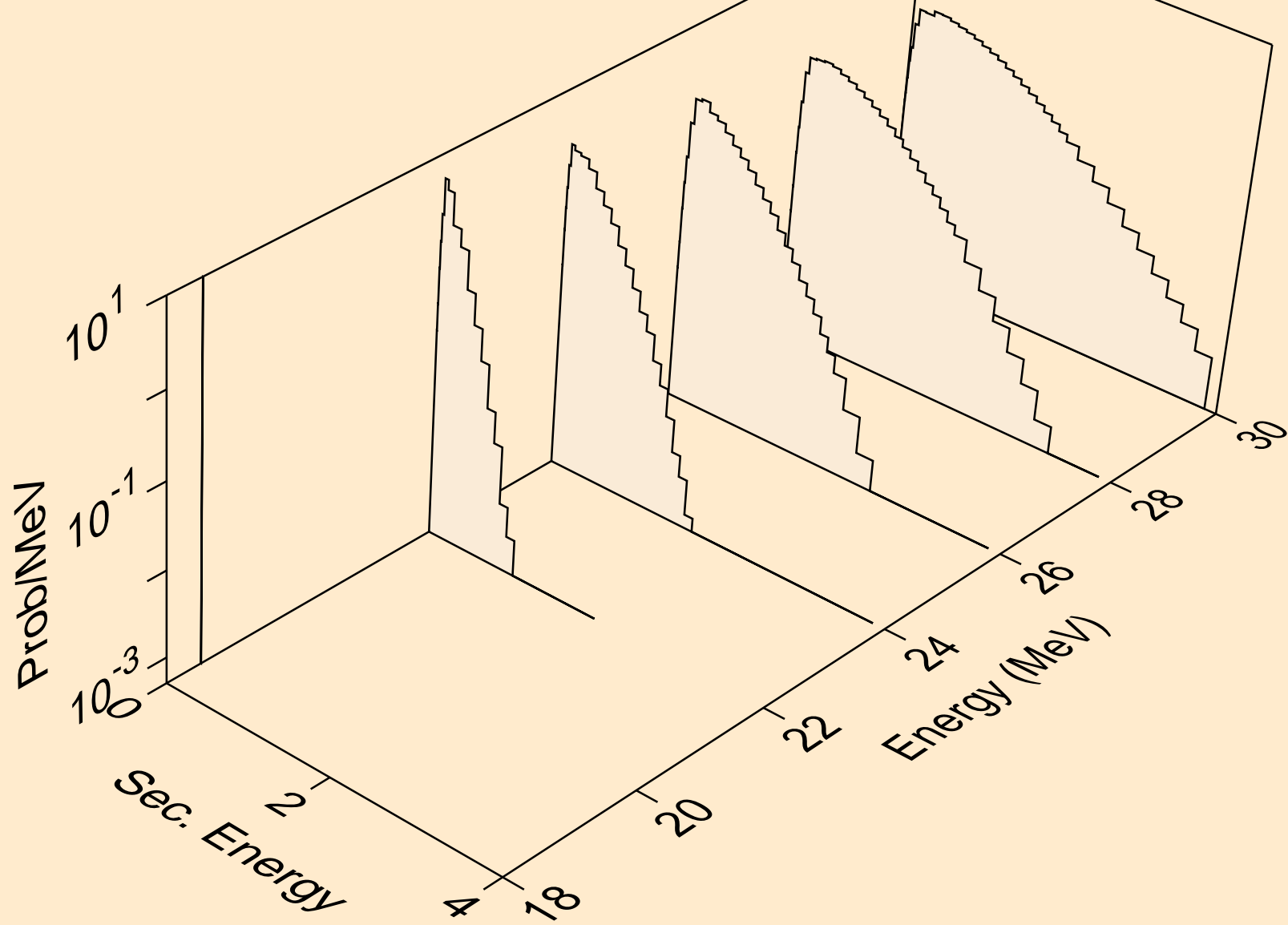
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)2a



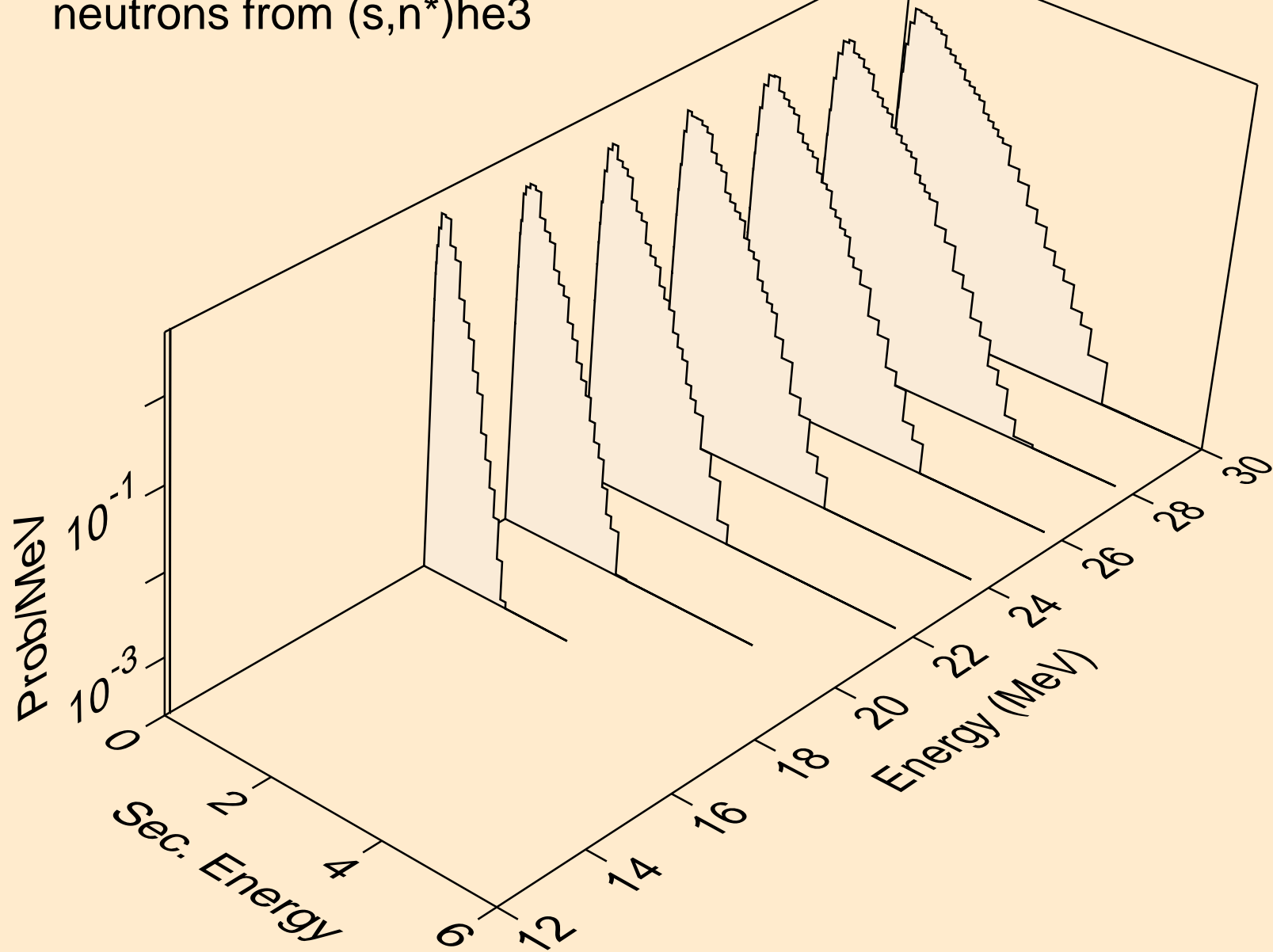
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)d



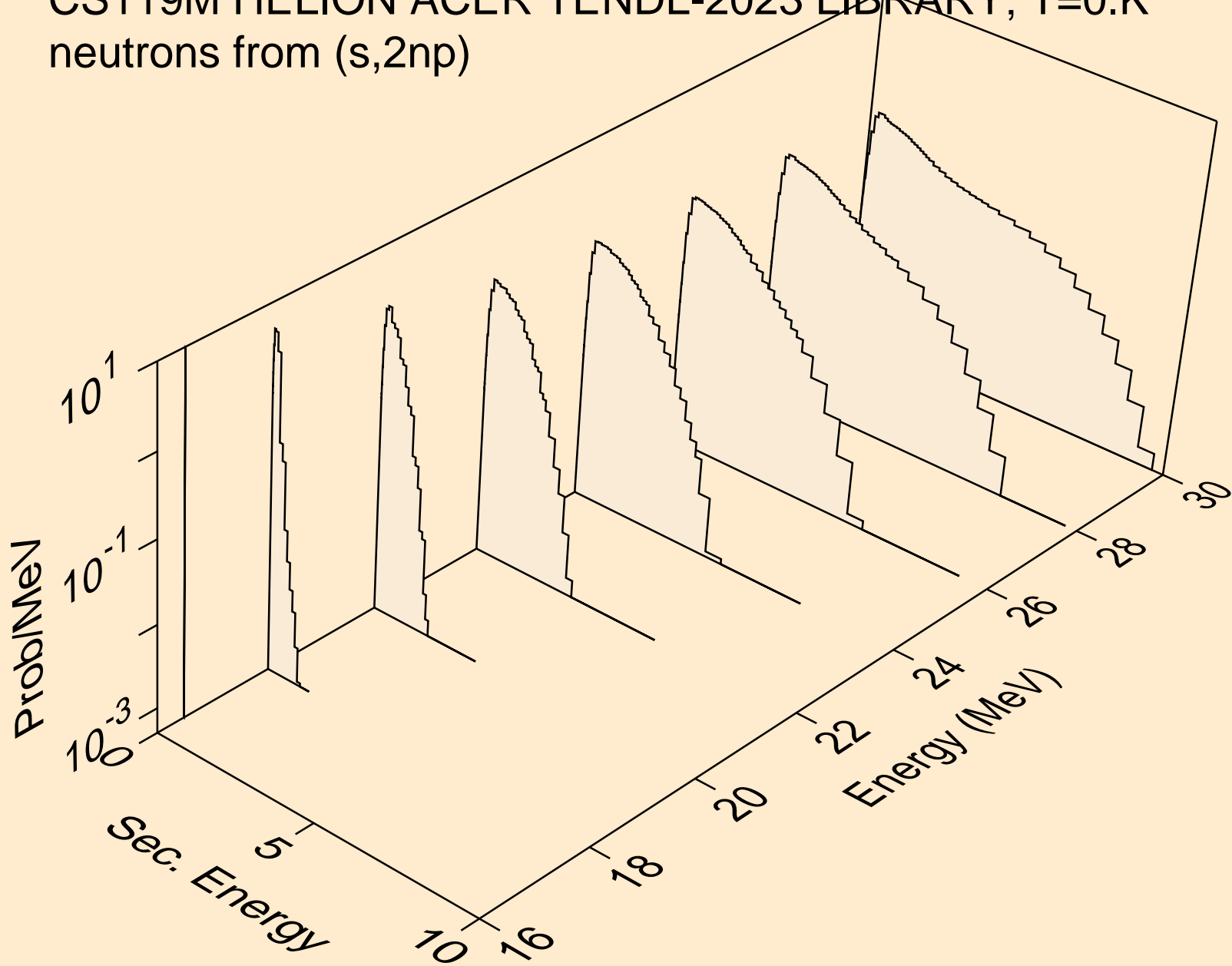
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)t



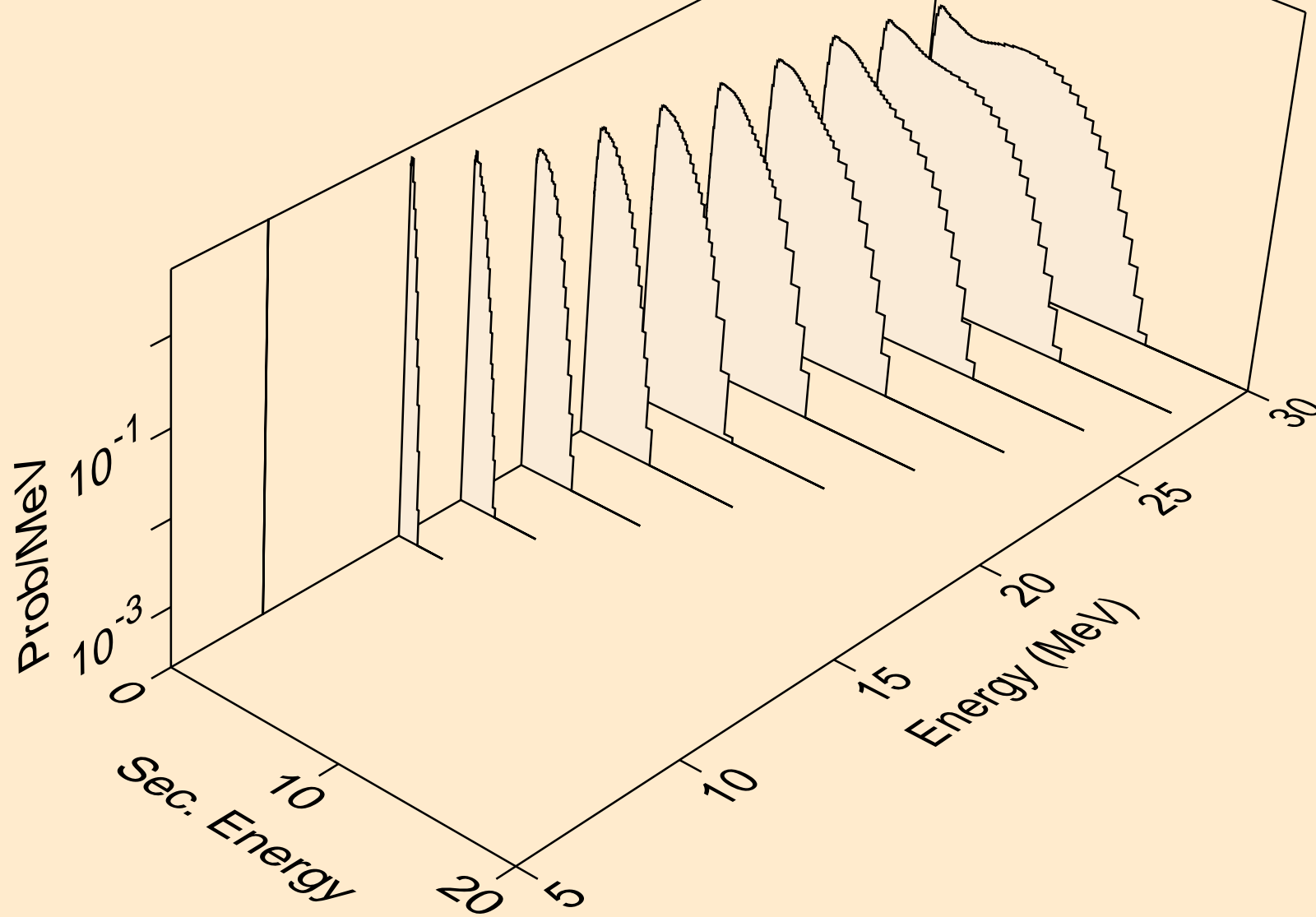
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3



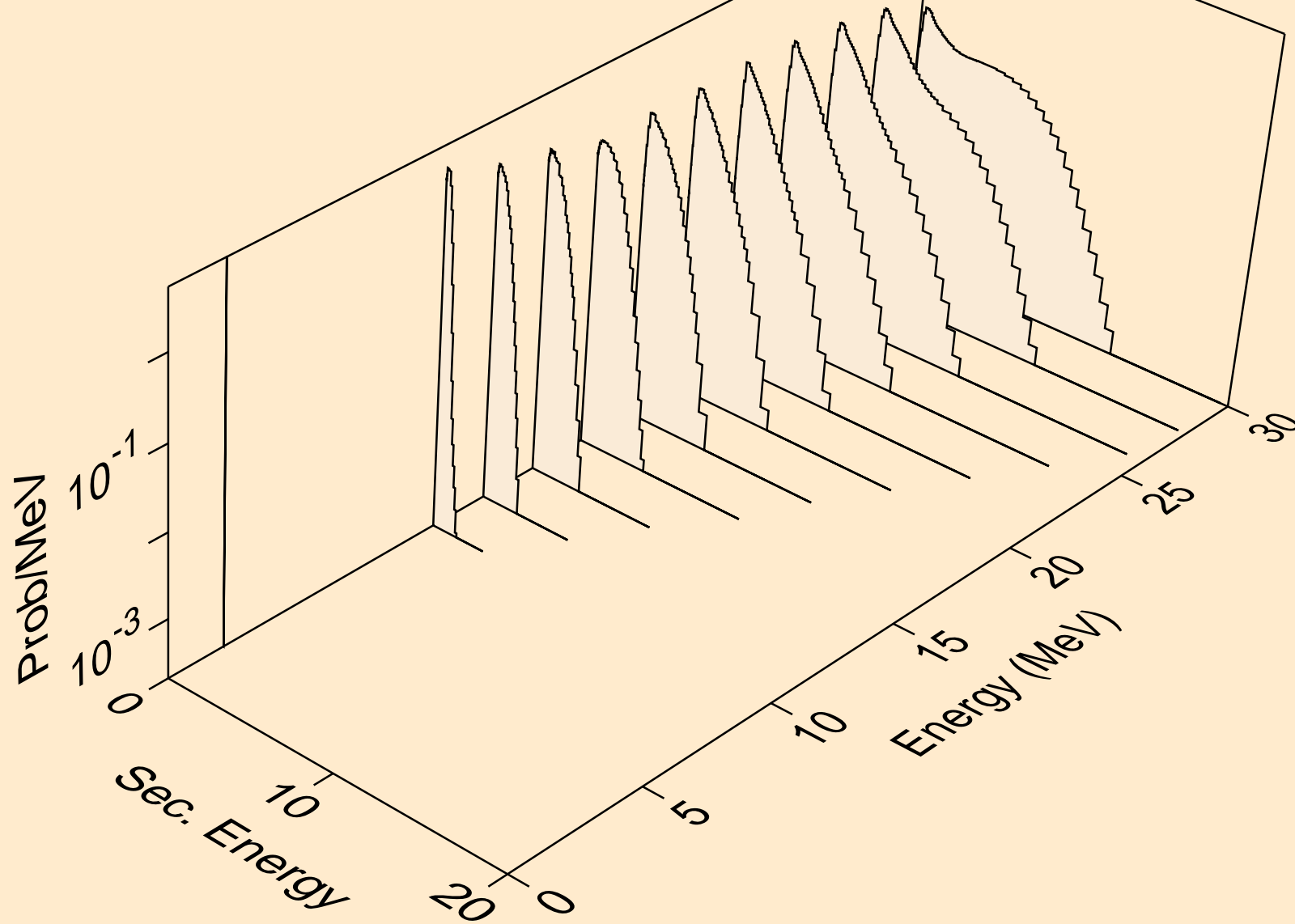
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2np)



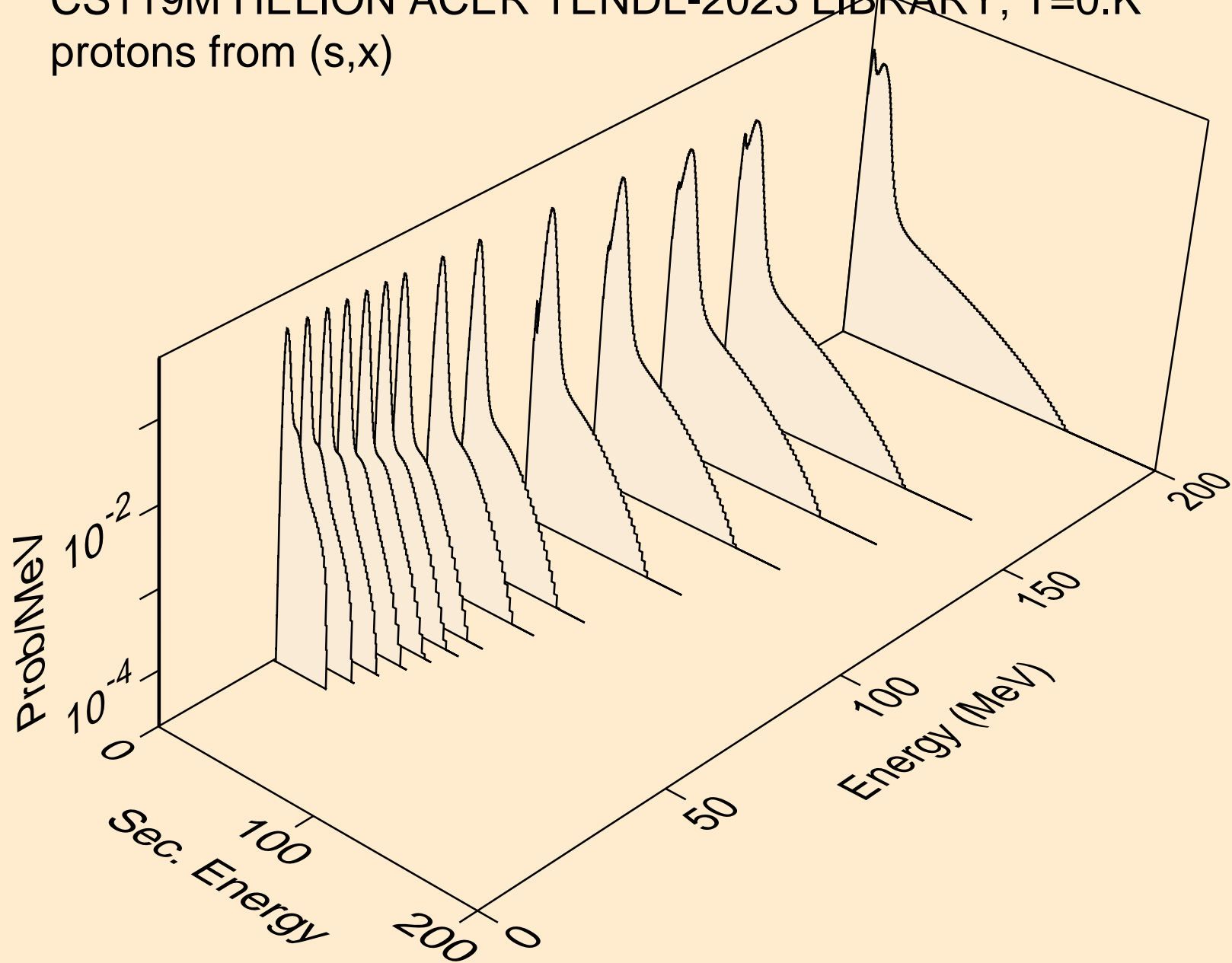
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n2p)



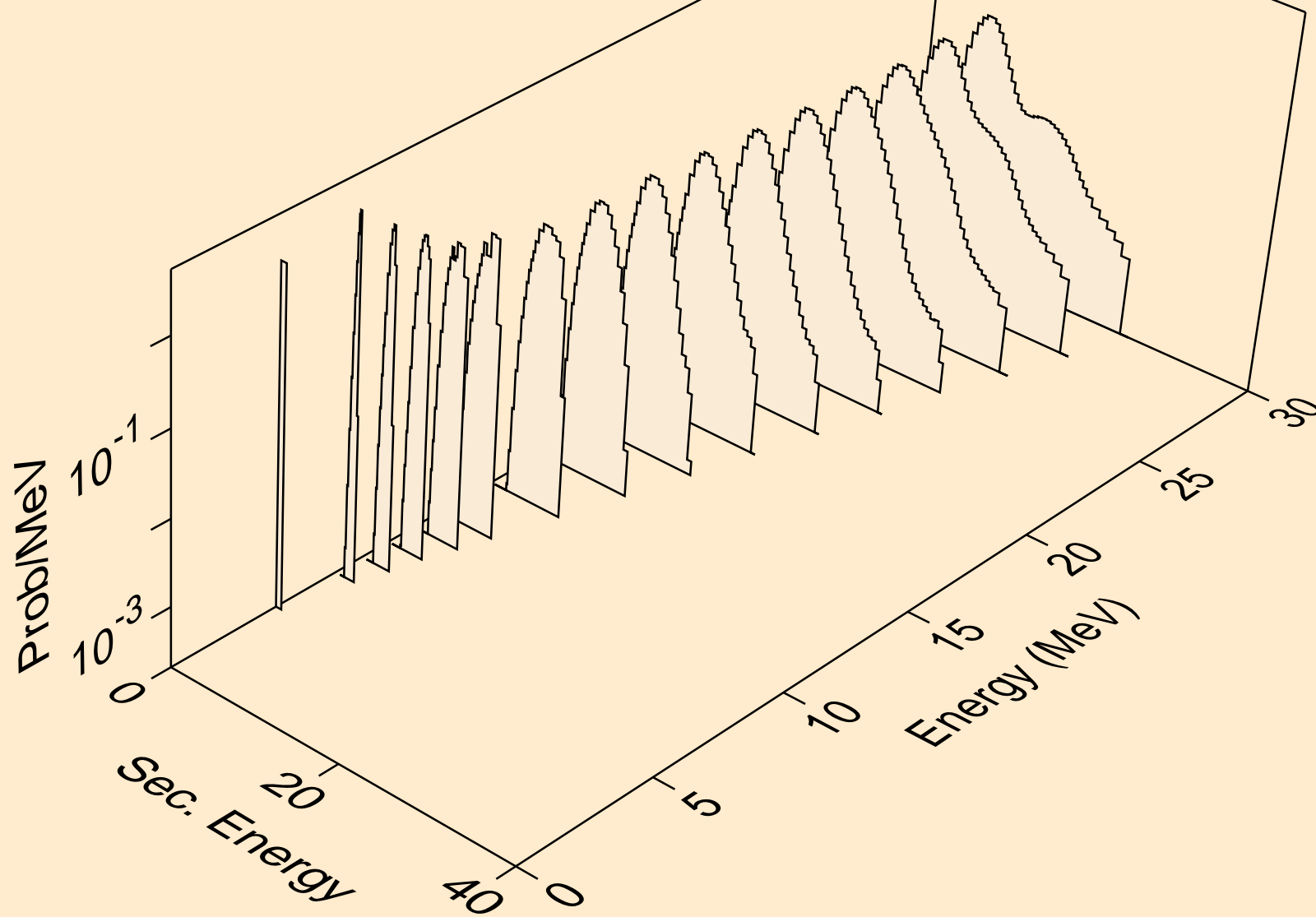
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,npa)



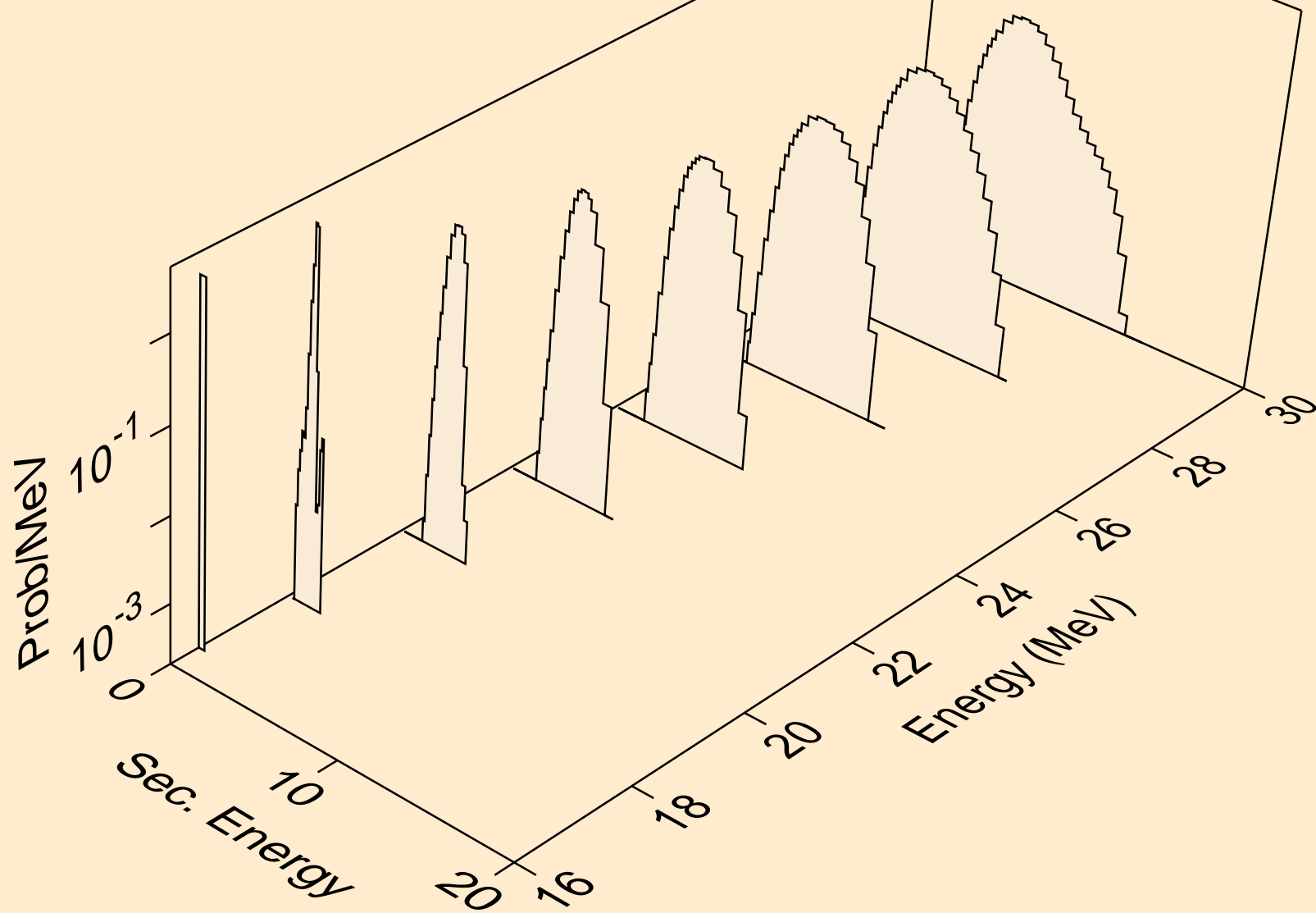
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,x)



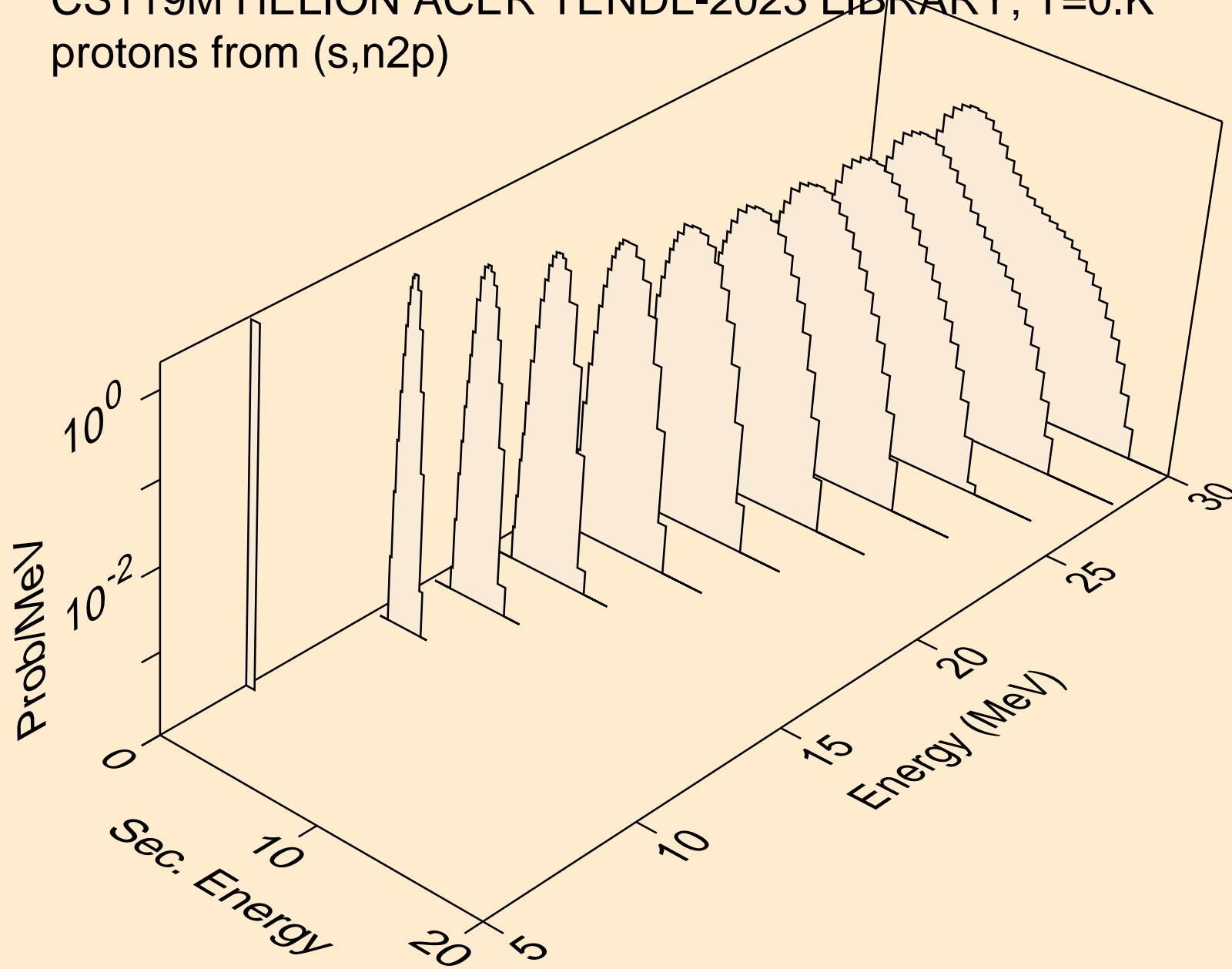
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n\*)p



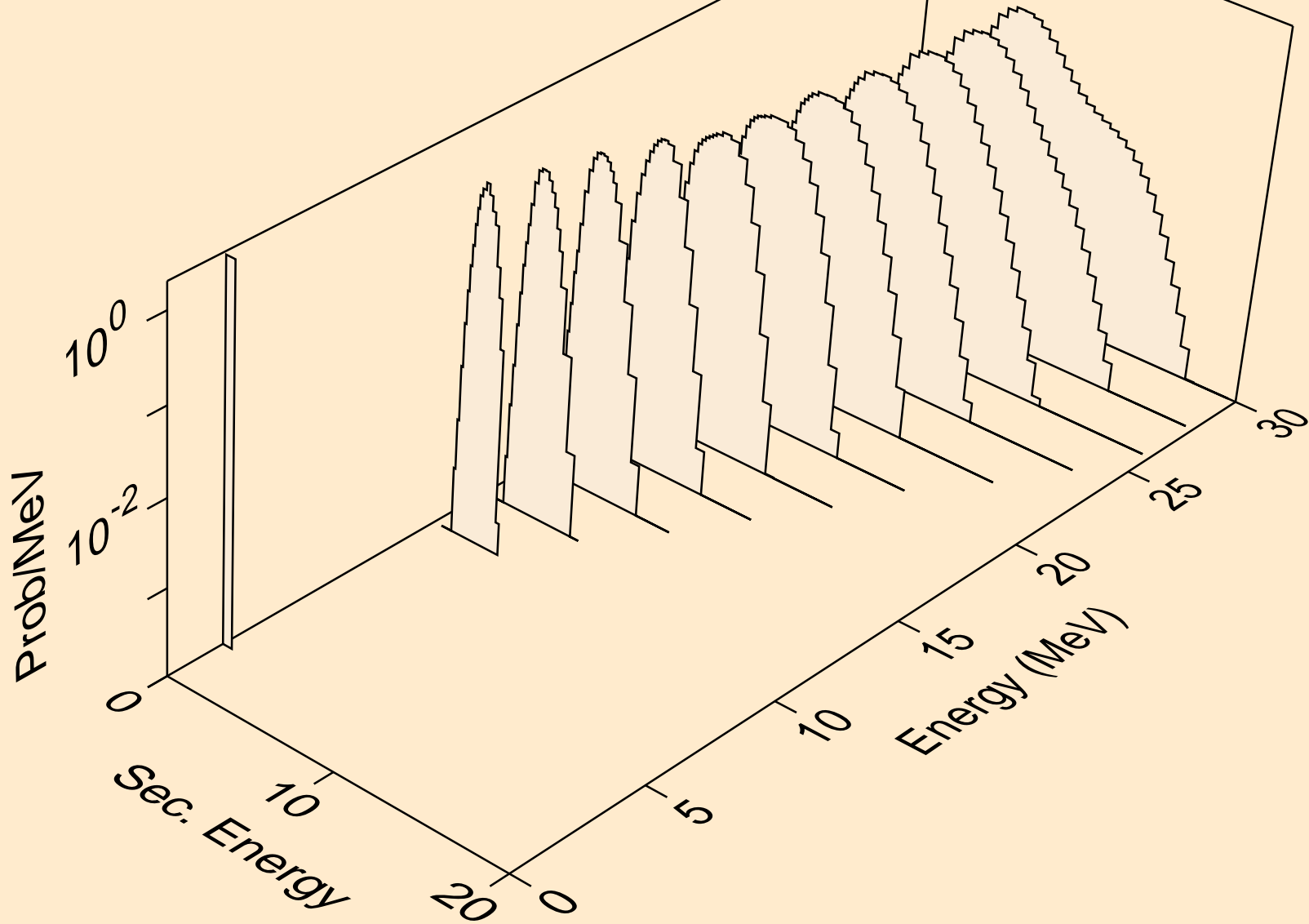
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,2np)



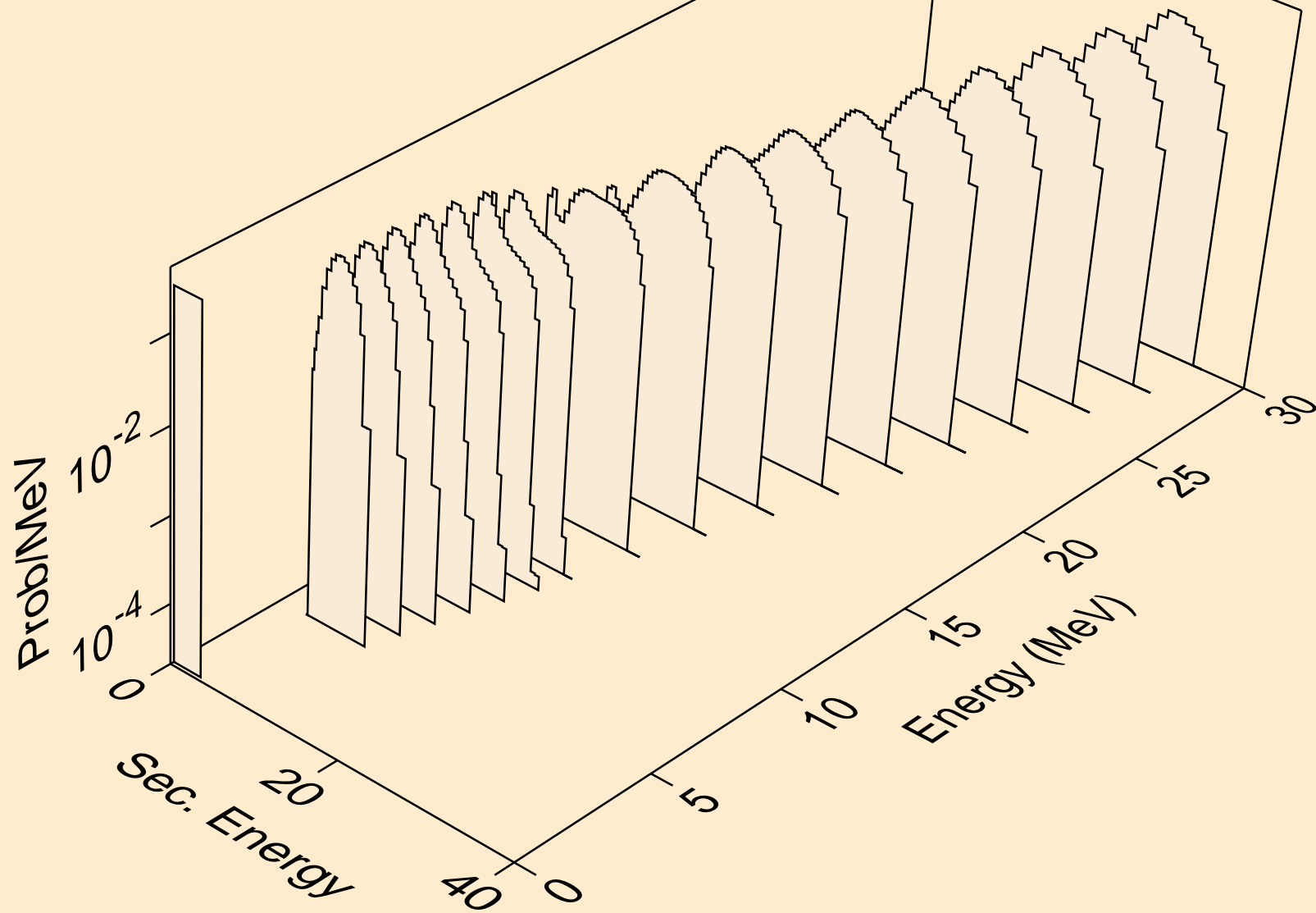
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n2p)



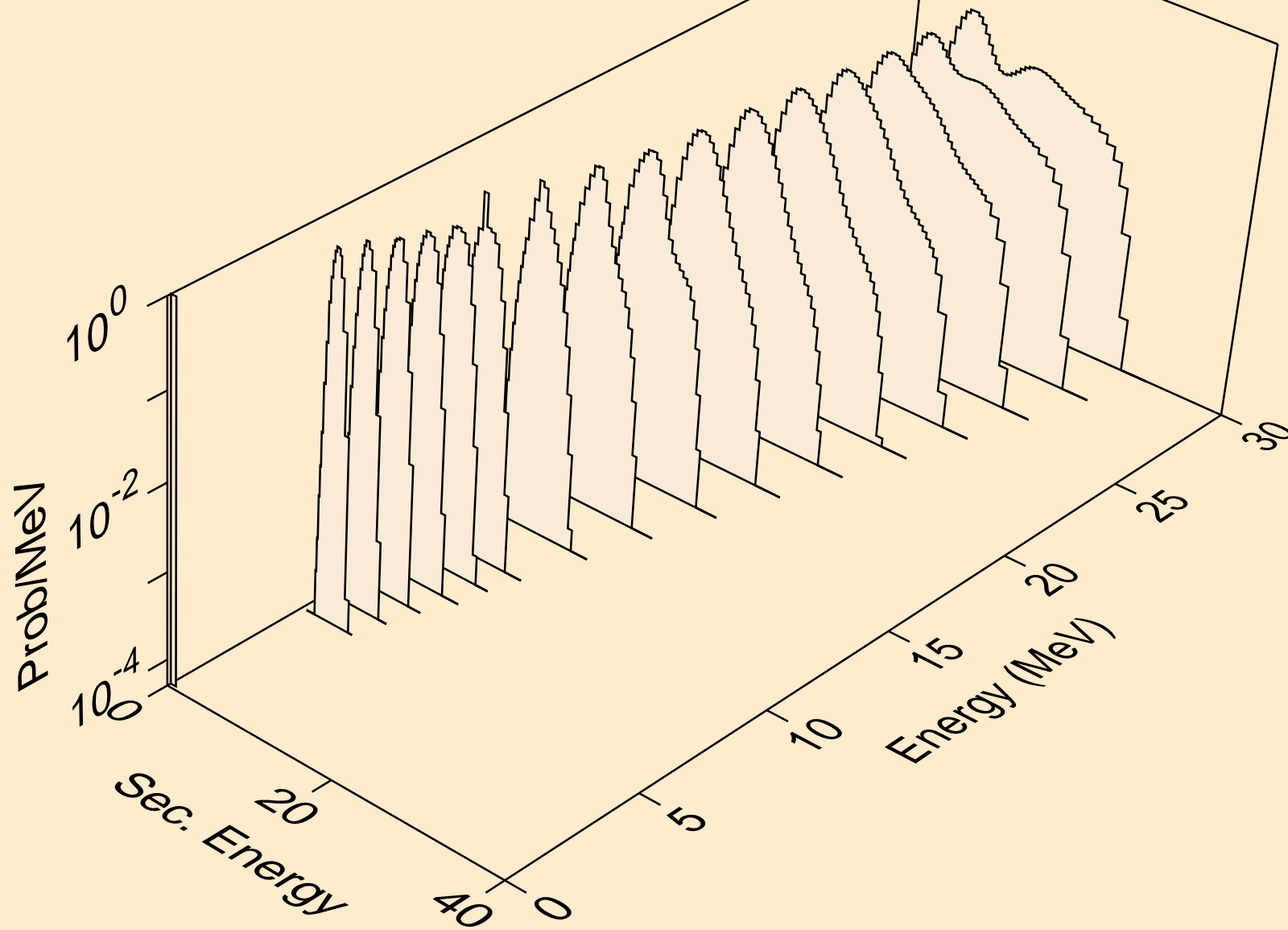
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,npa)



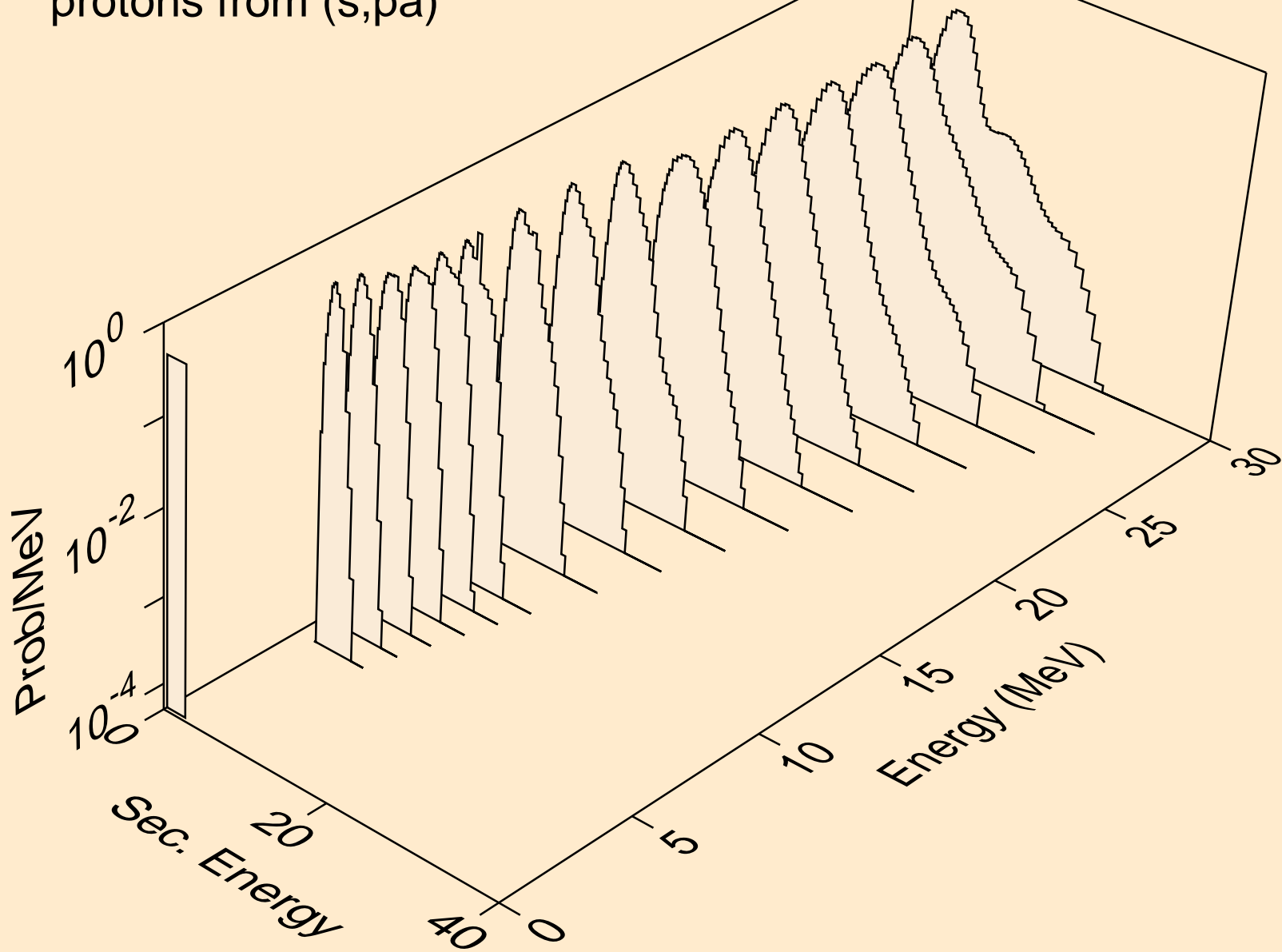
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,p)



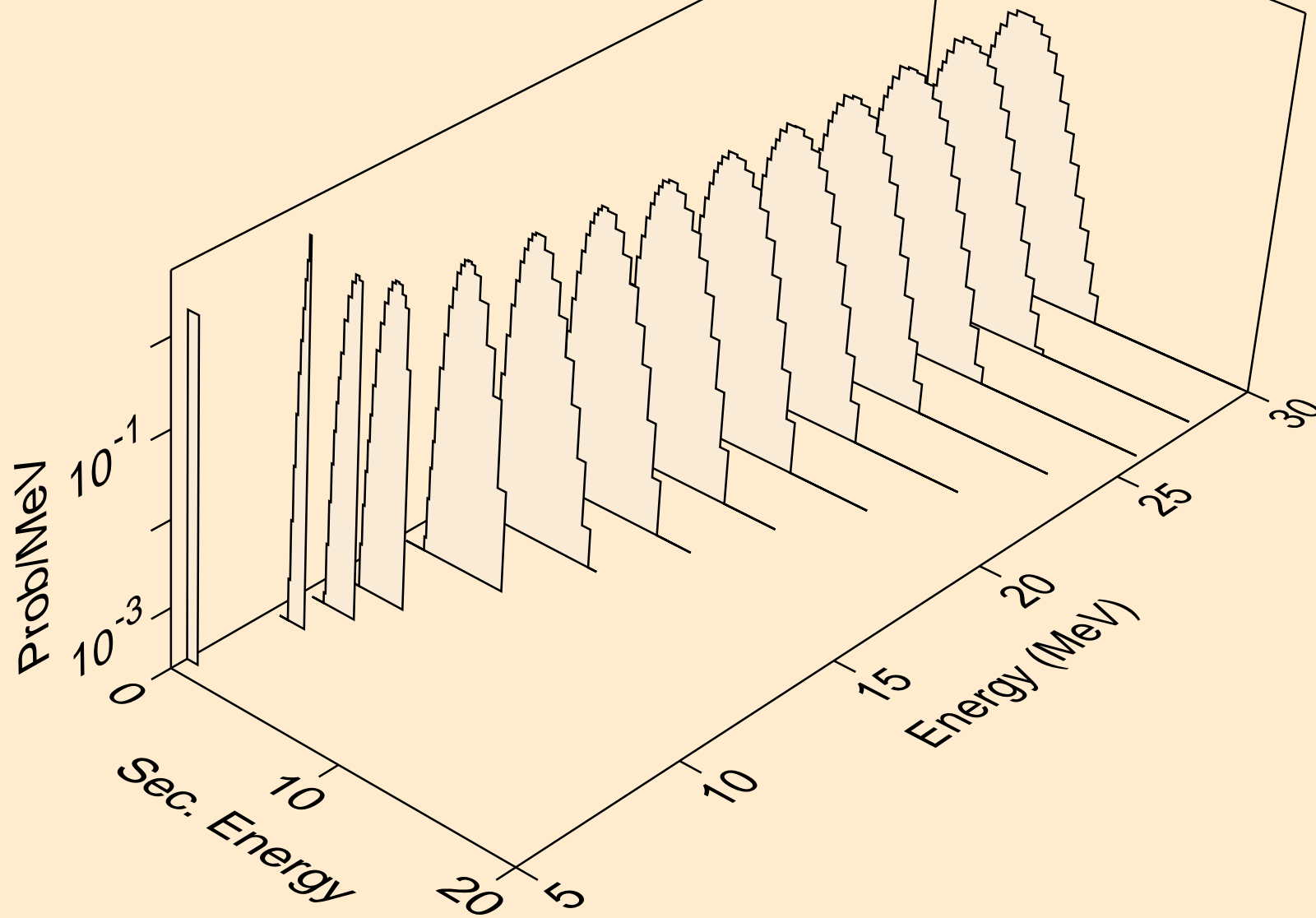
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,2p)



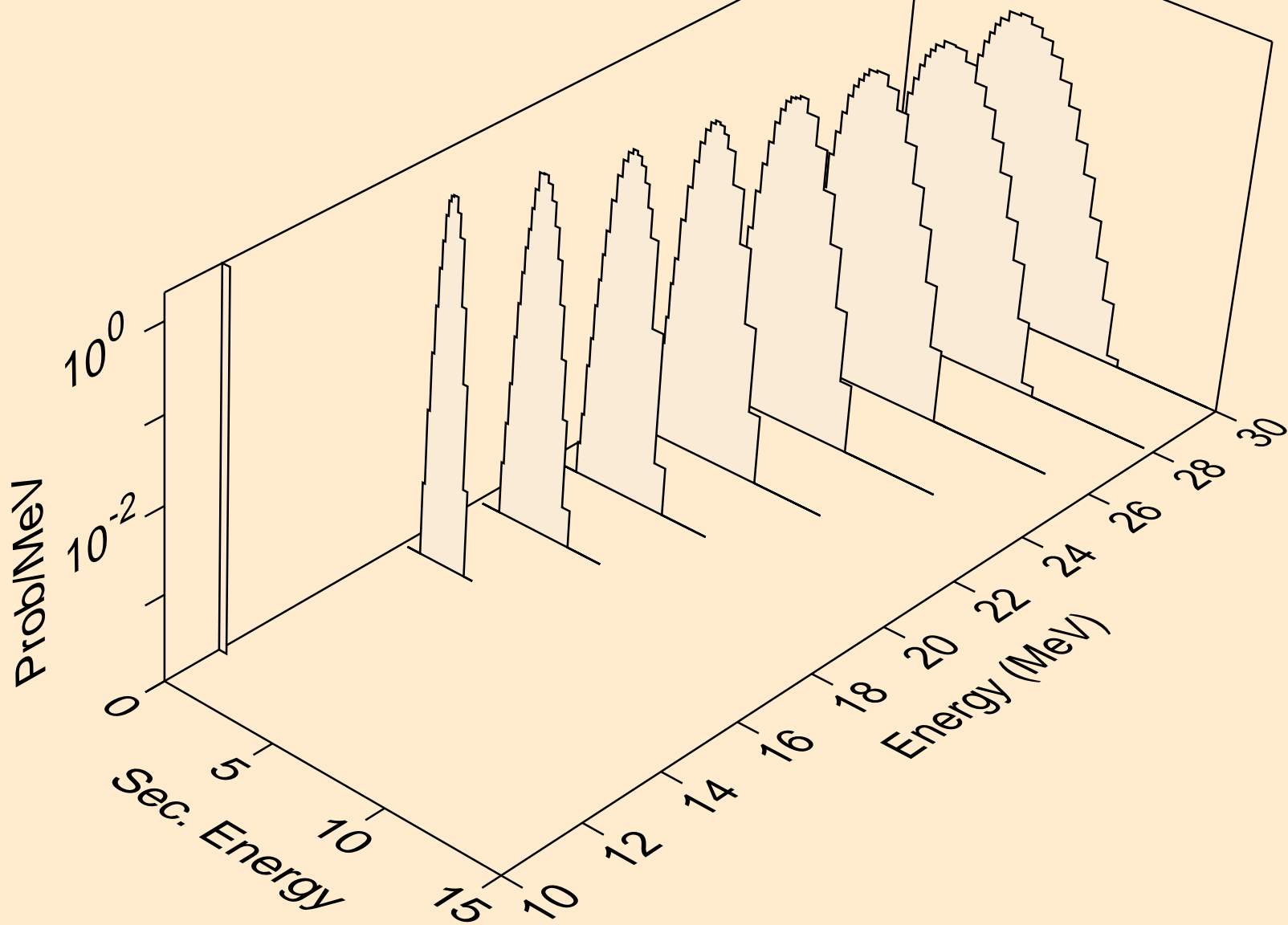
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pa)



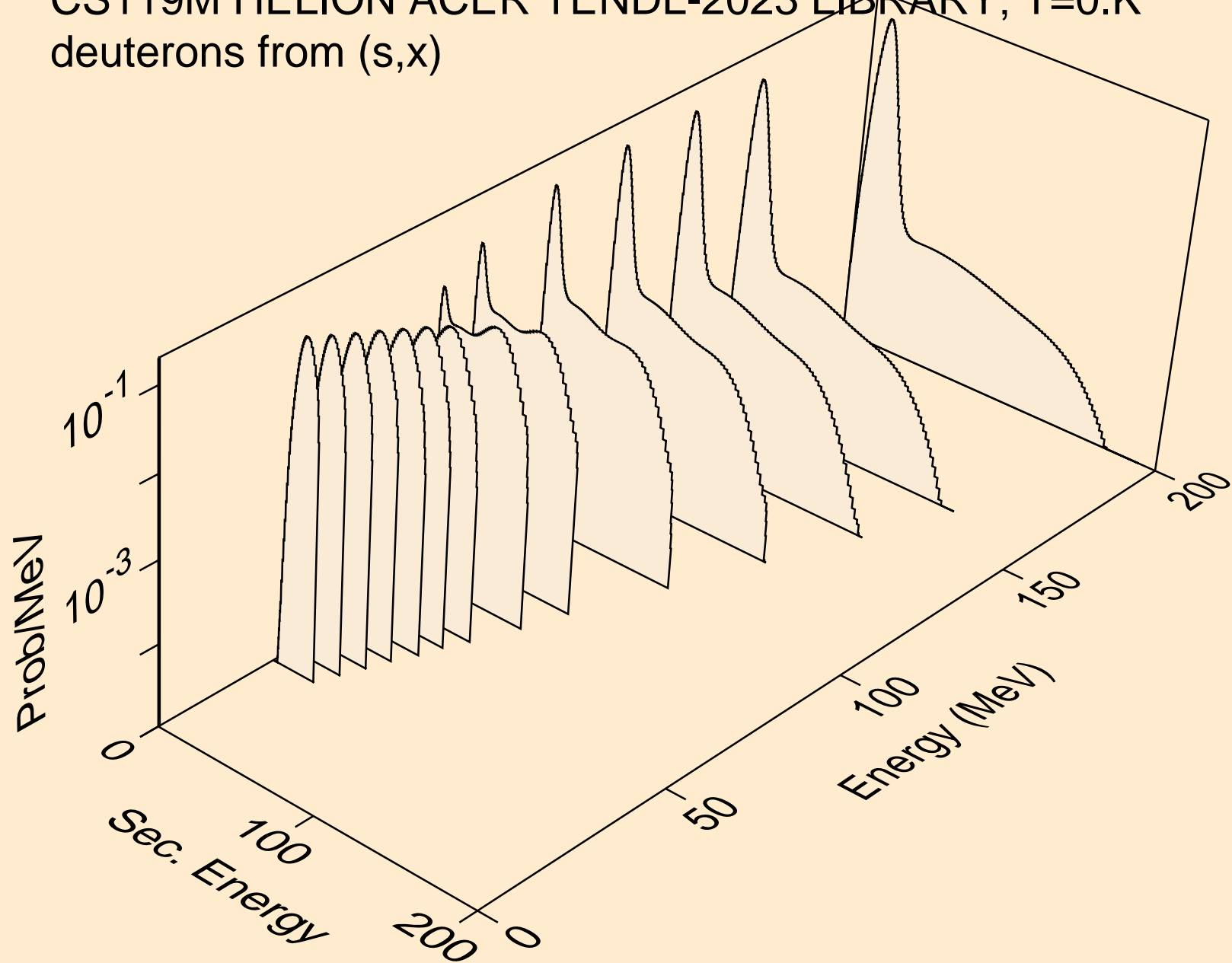
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pd)



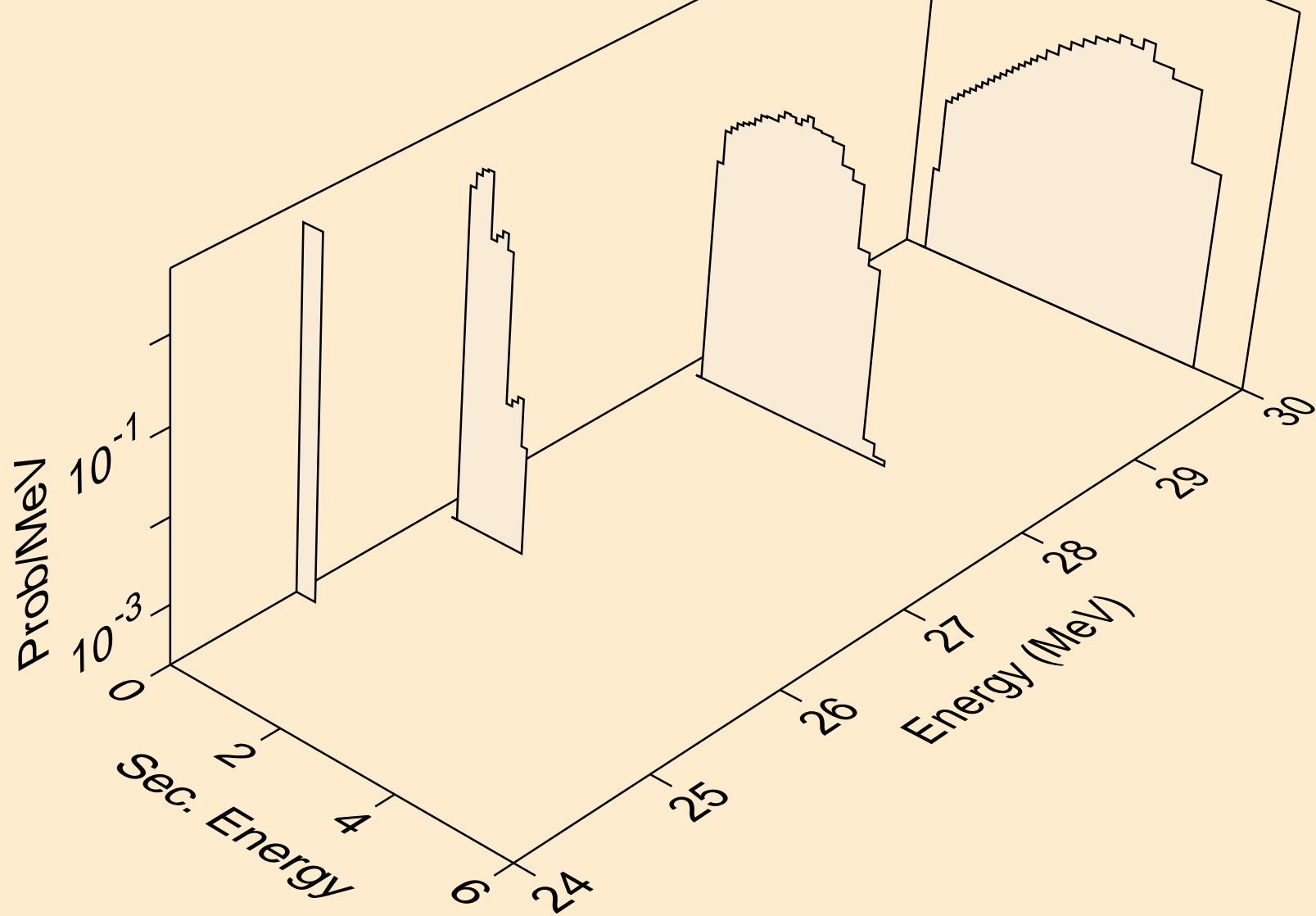
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pt)



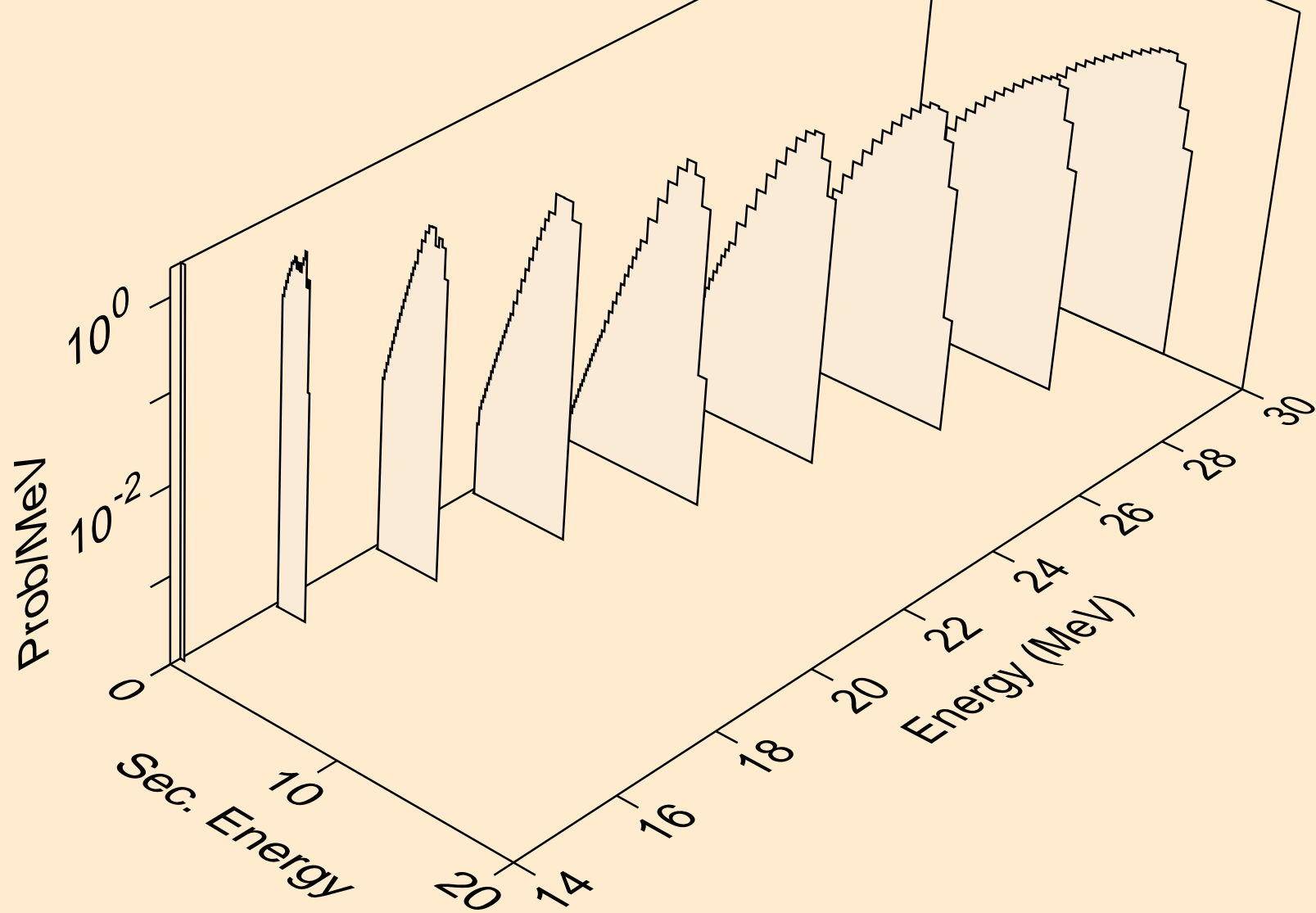
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,x)



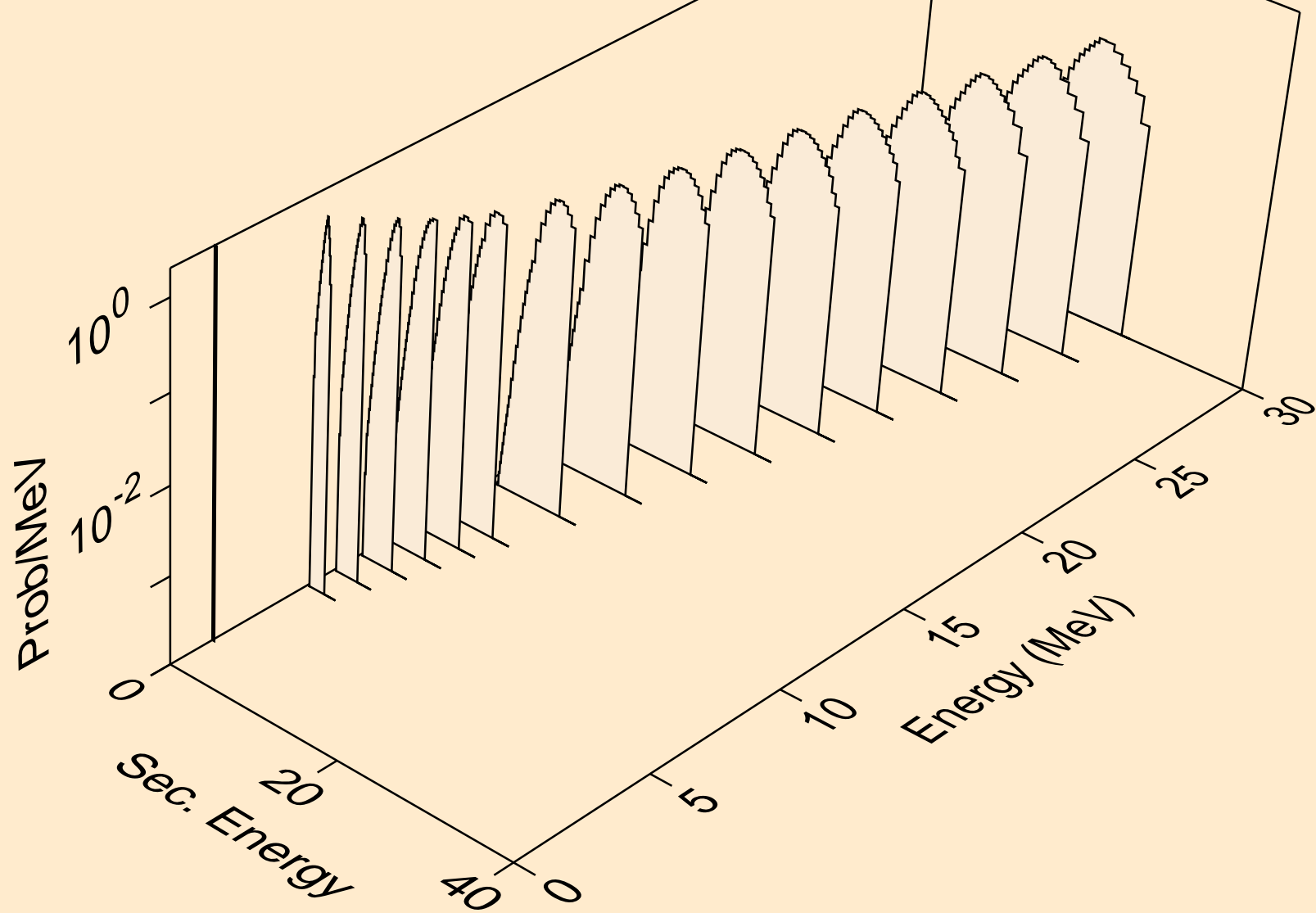
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,2nd)



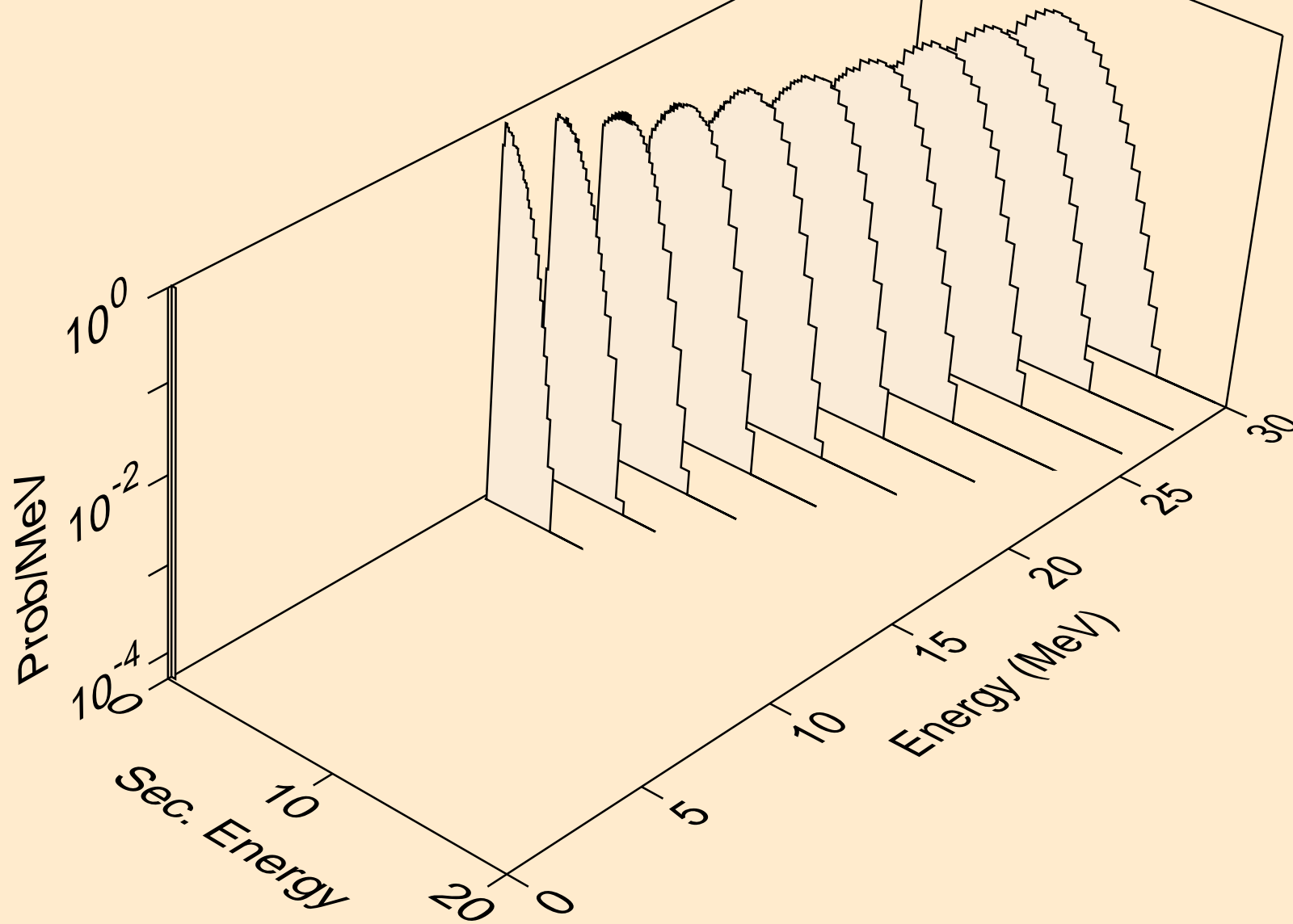
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,n\*)d



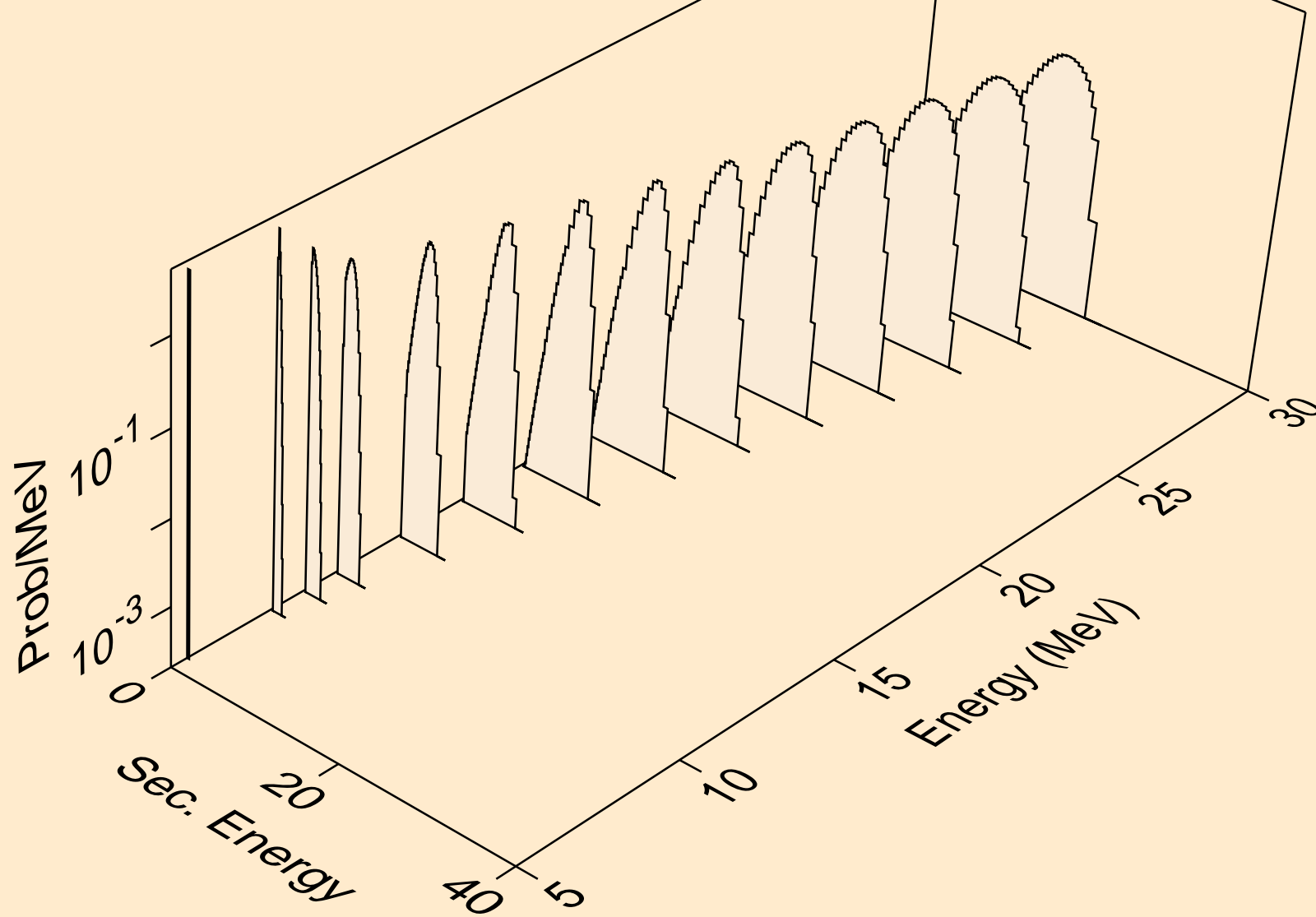
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,d)



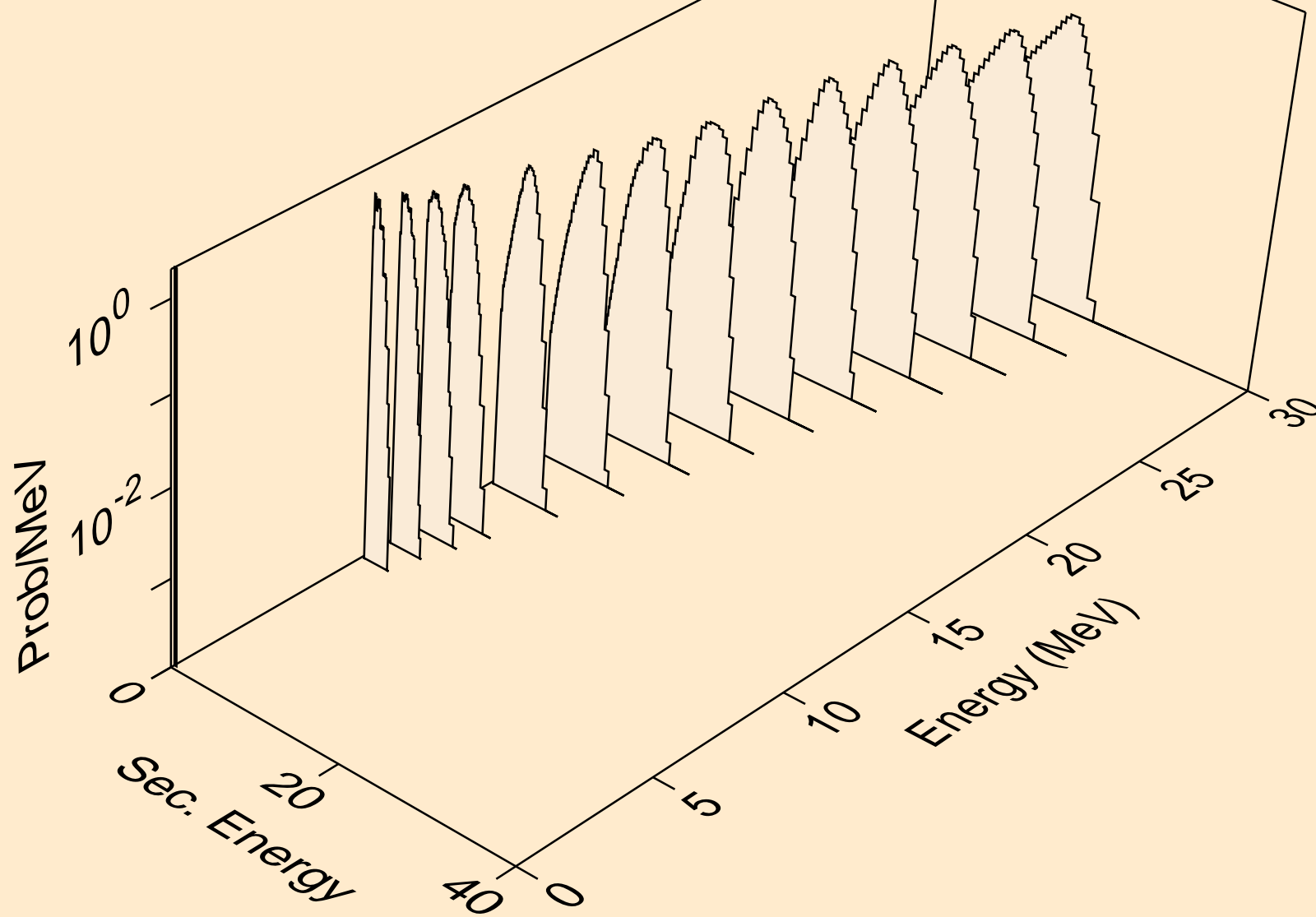
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,d2a)



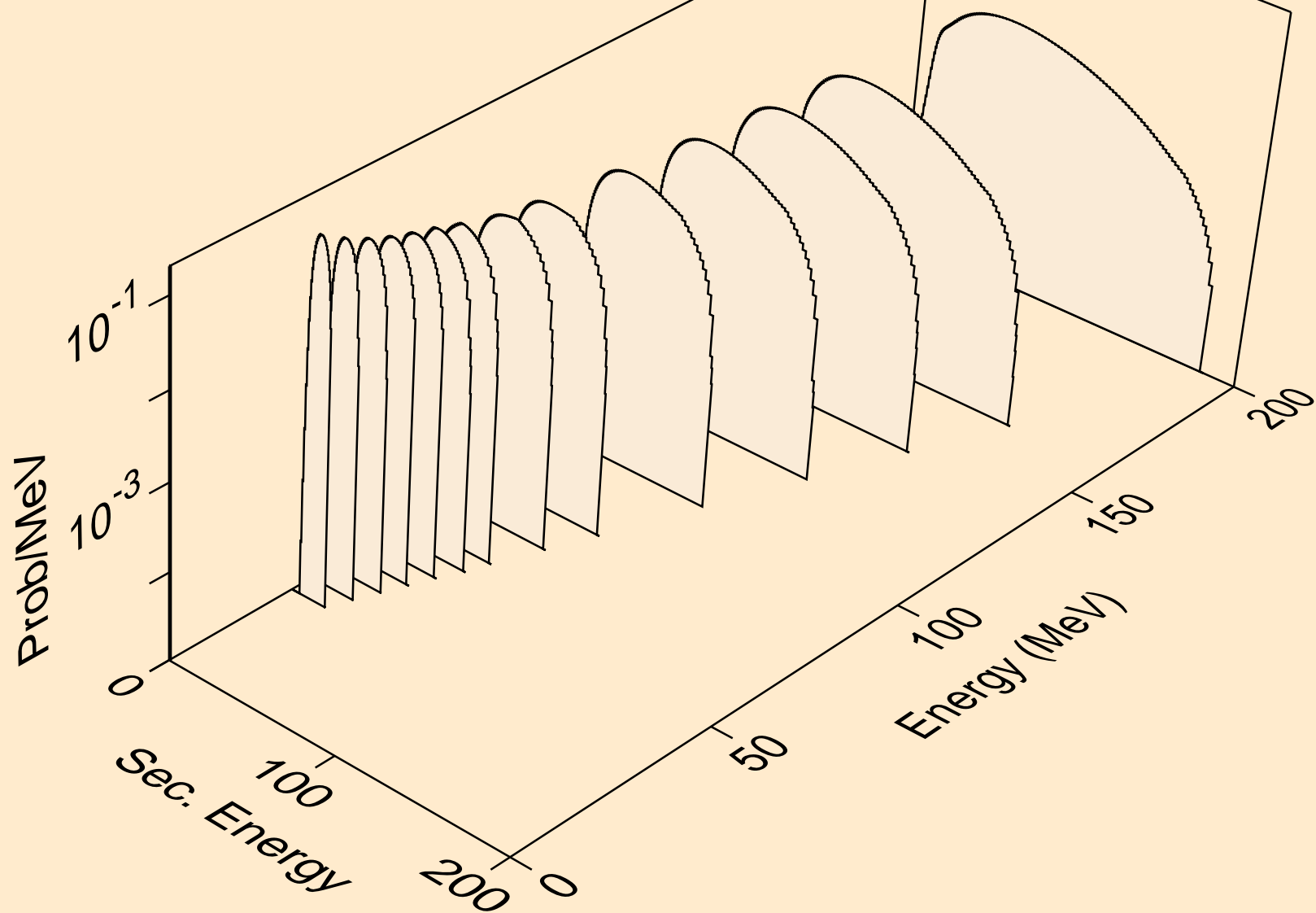
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,pd)



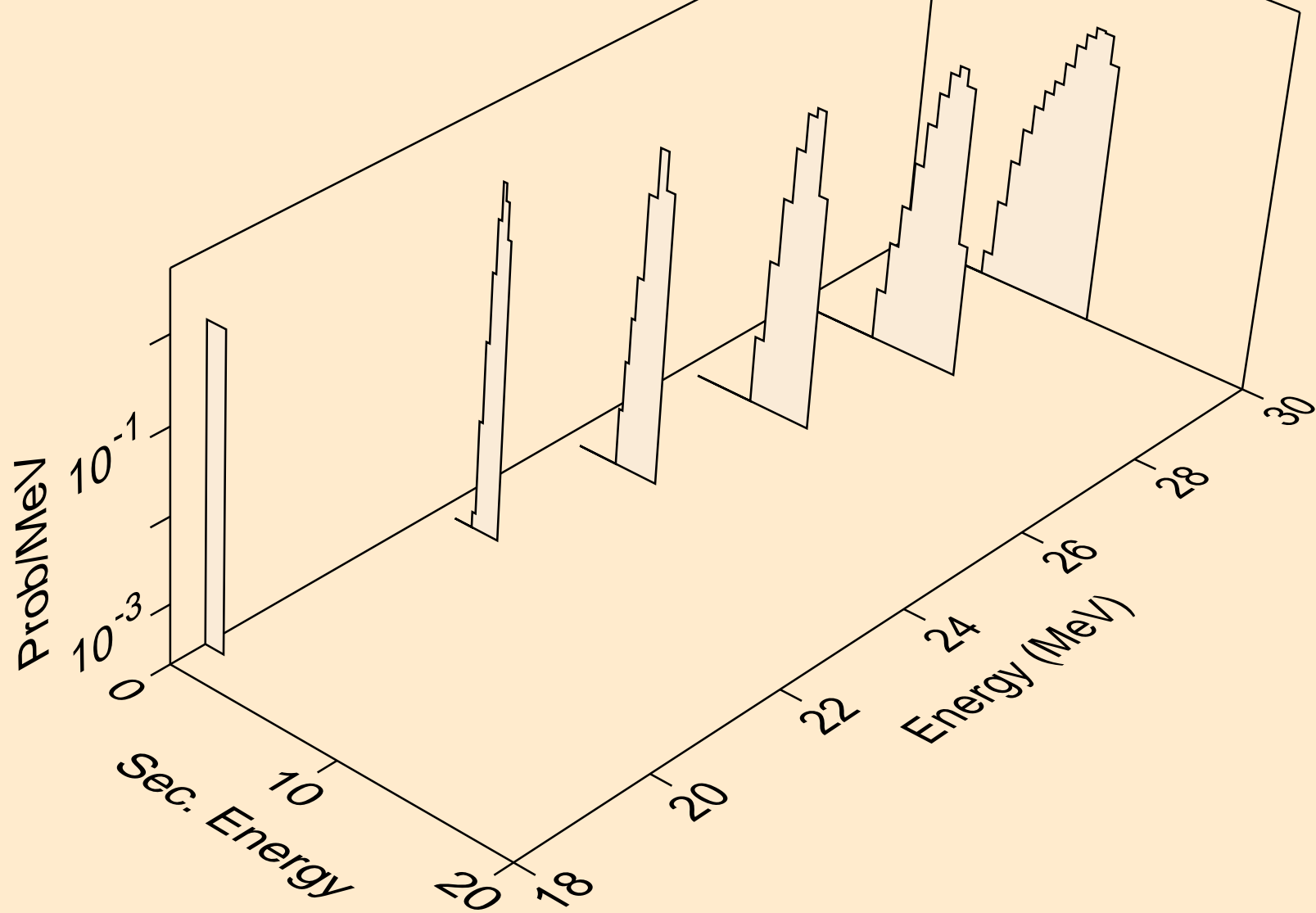
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,da)



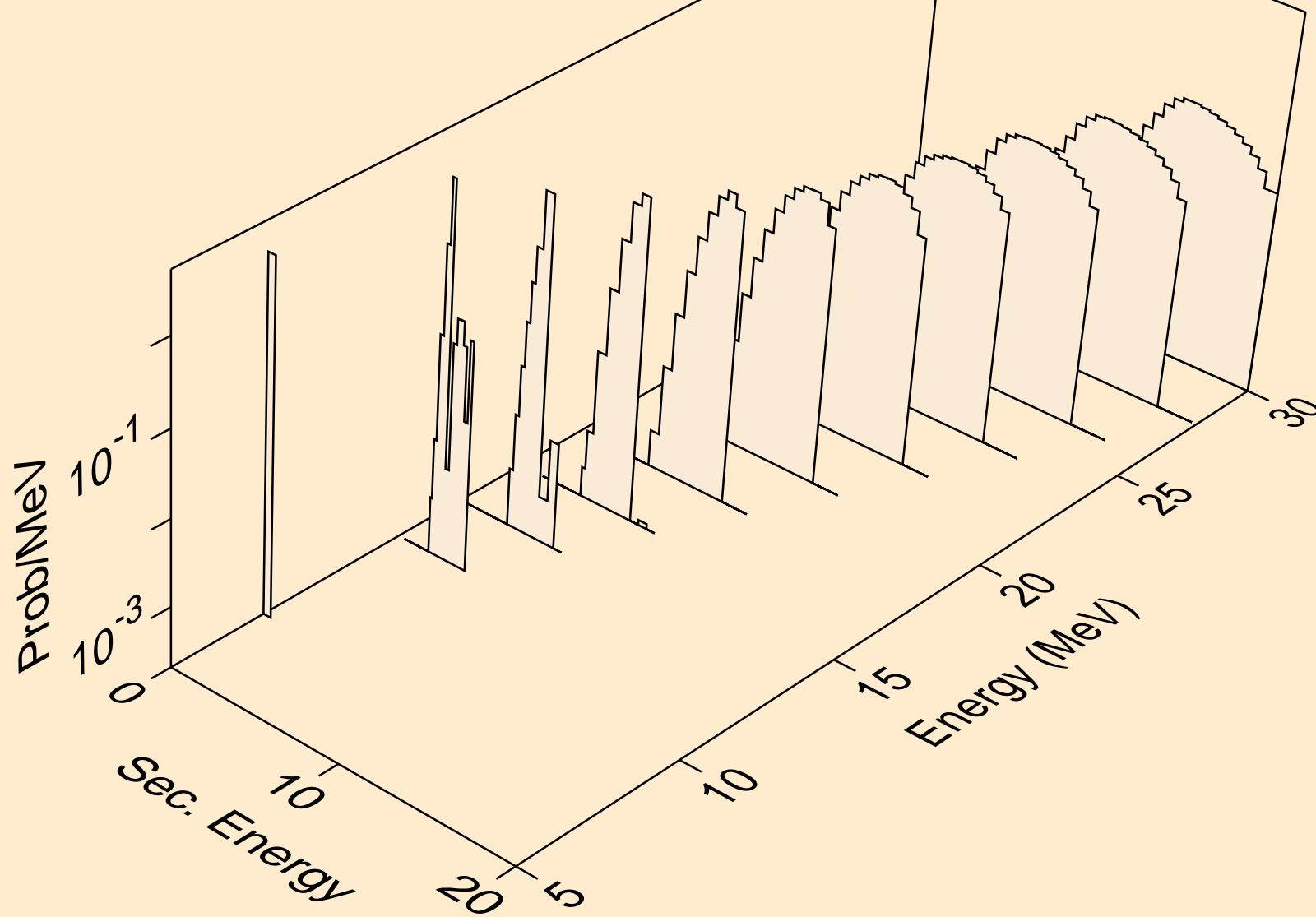
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,x)



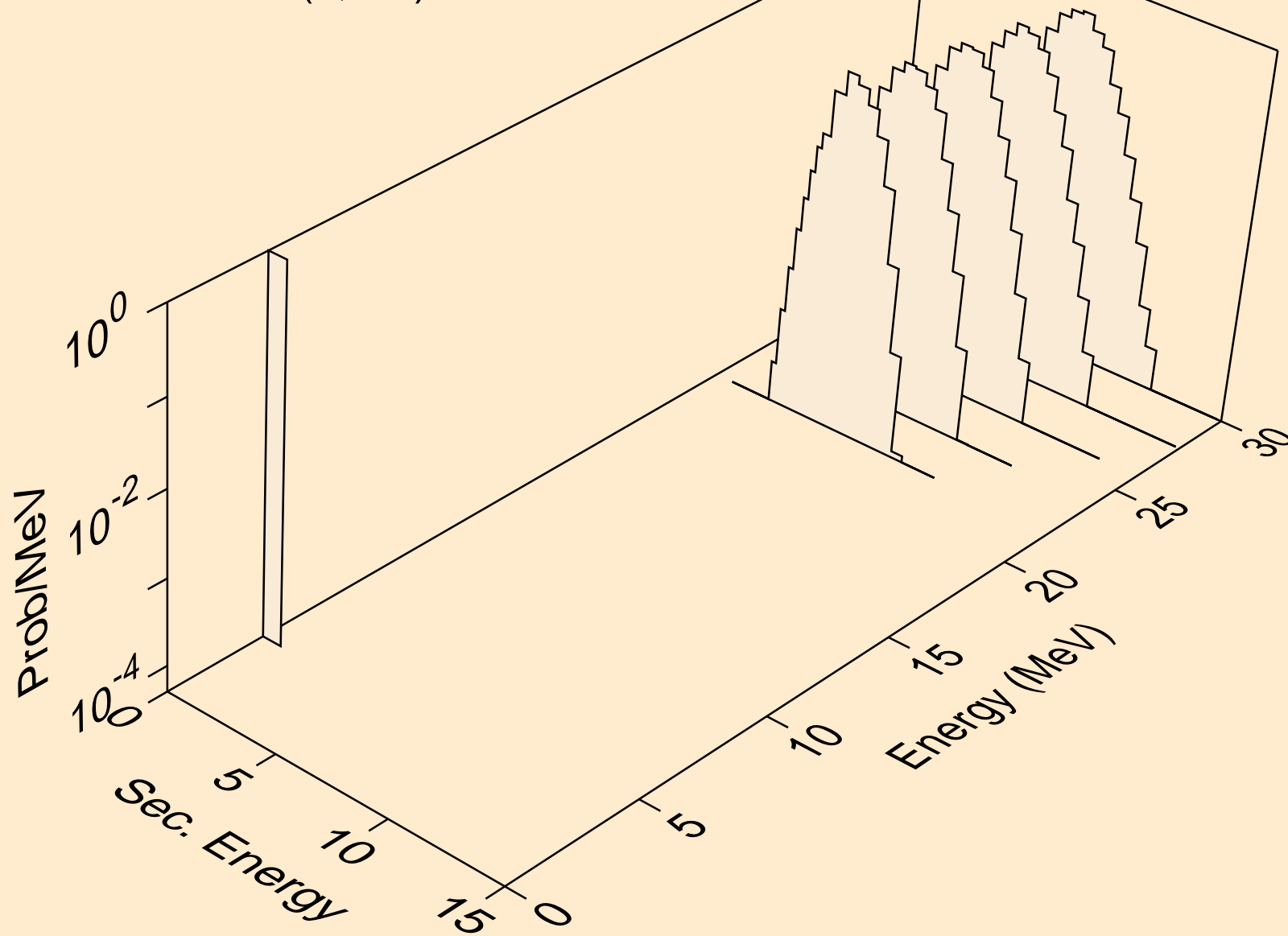
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,n\*)t



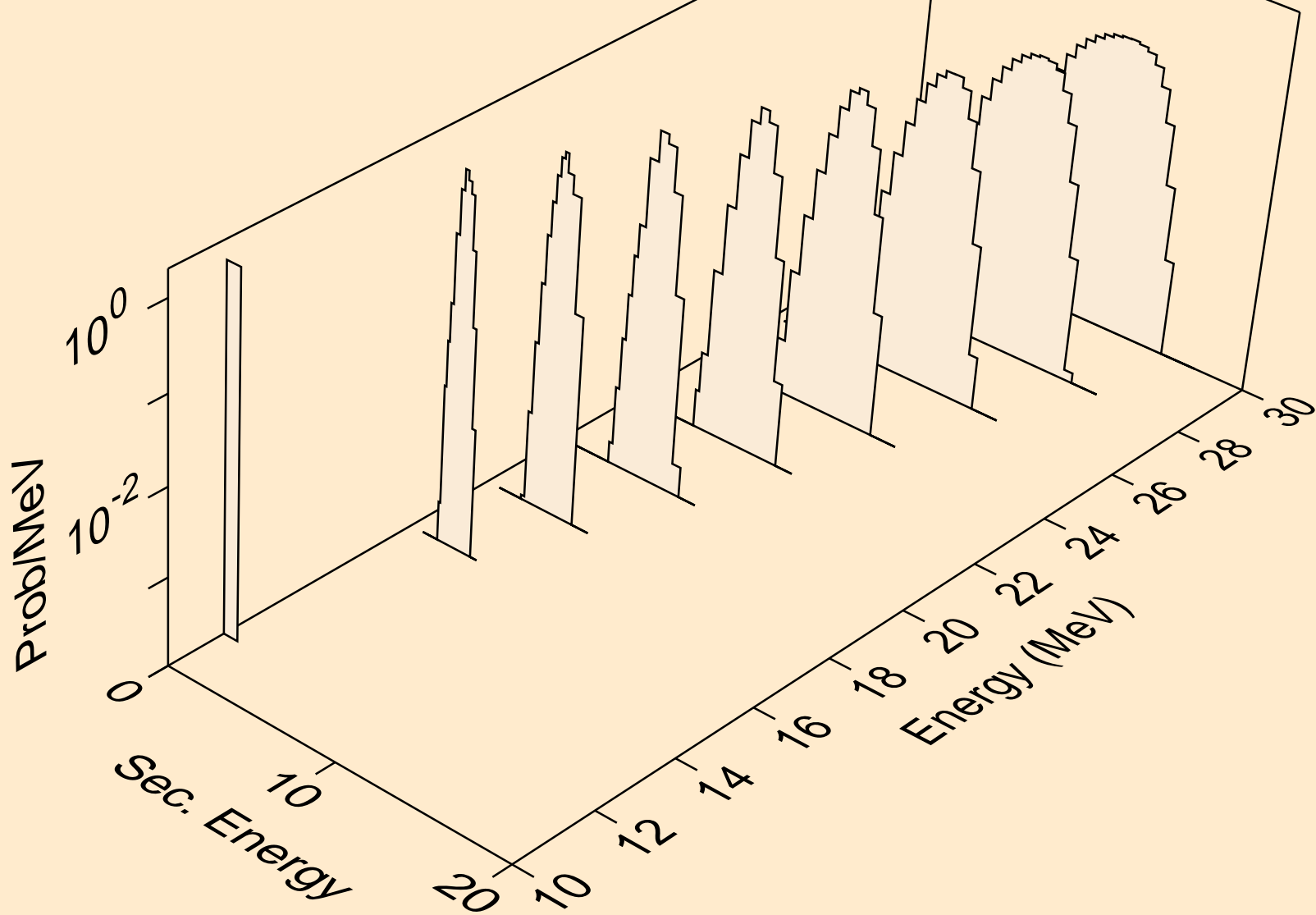
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,t)



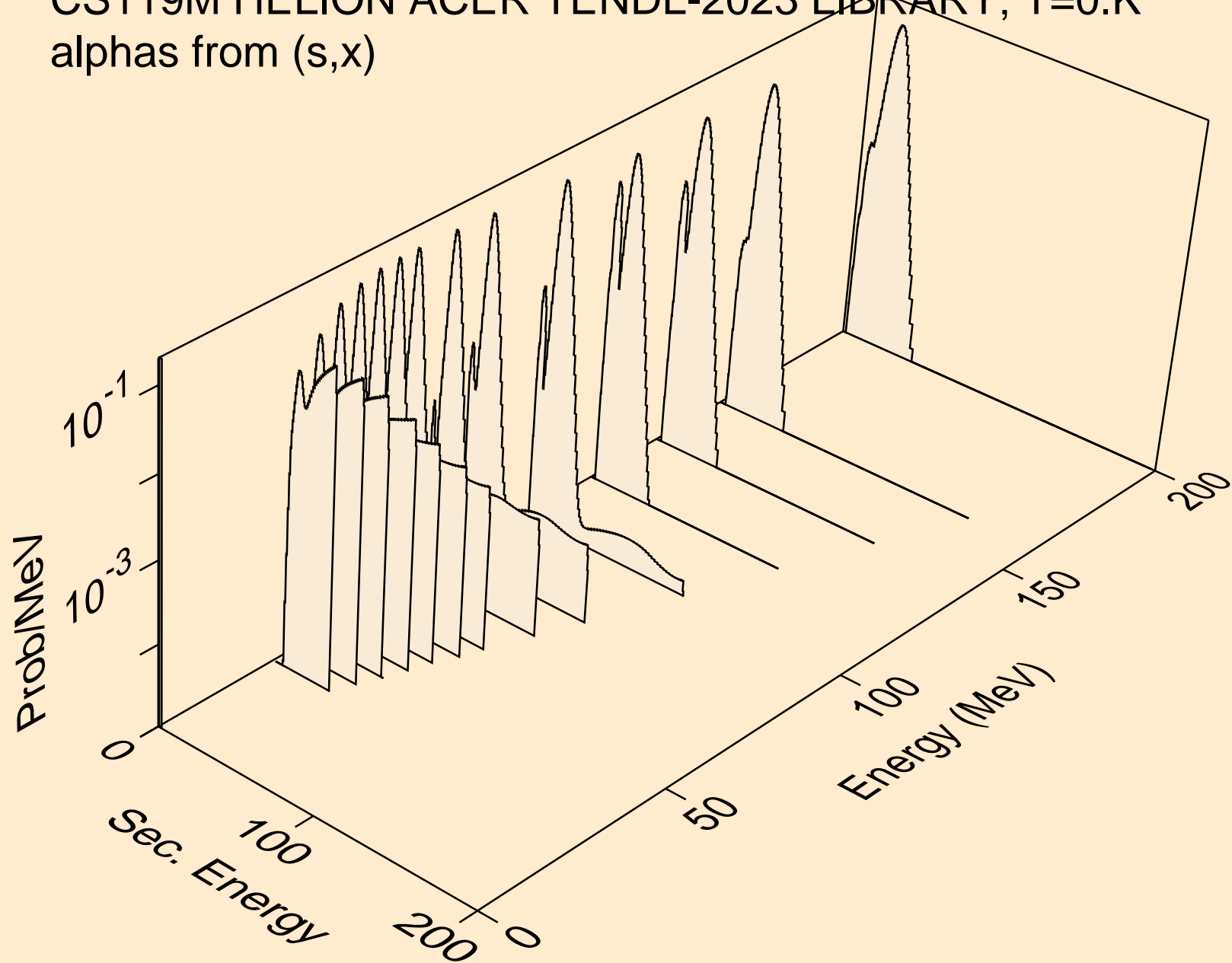
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,t2a)



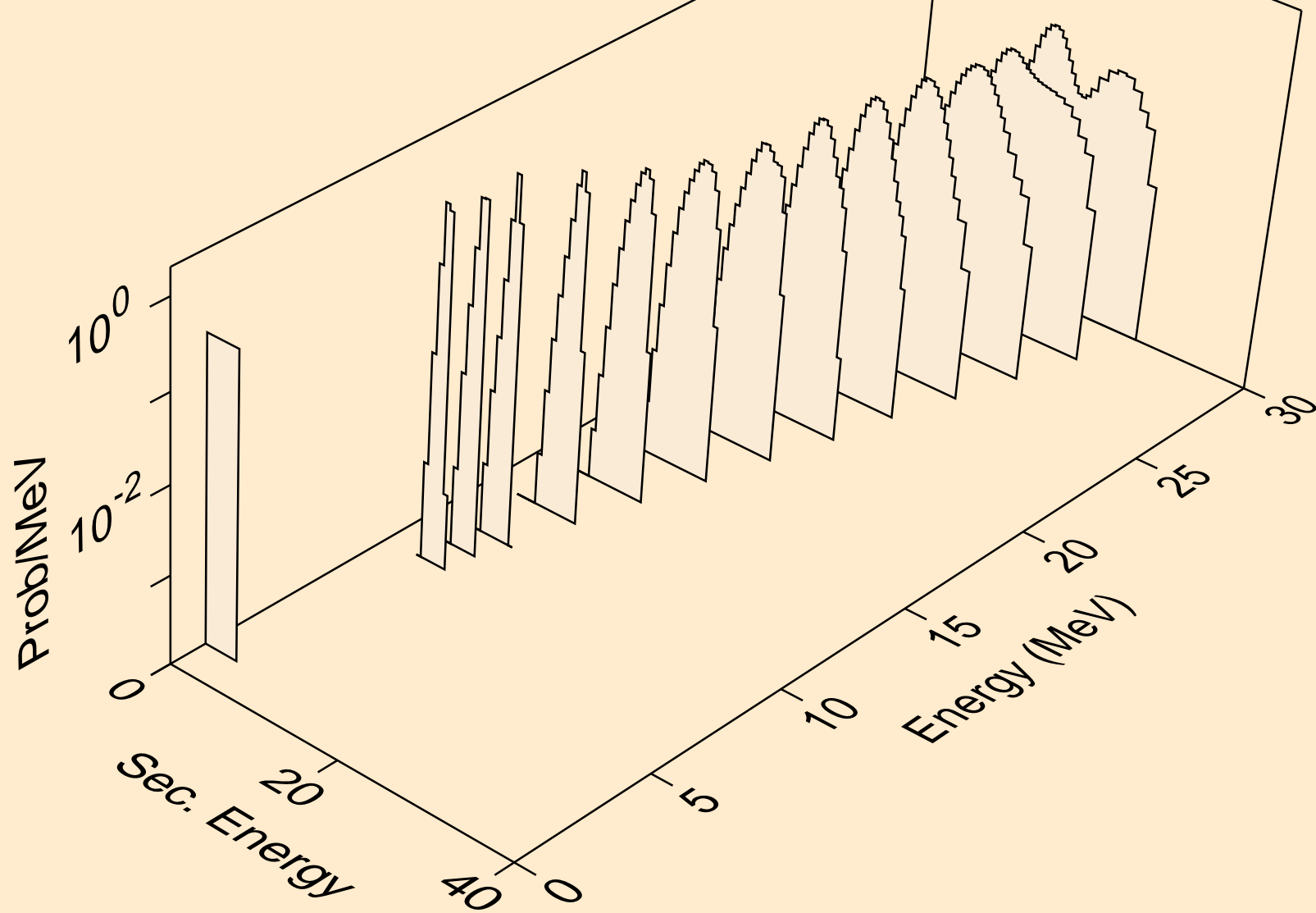
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,pt)



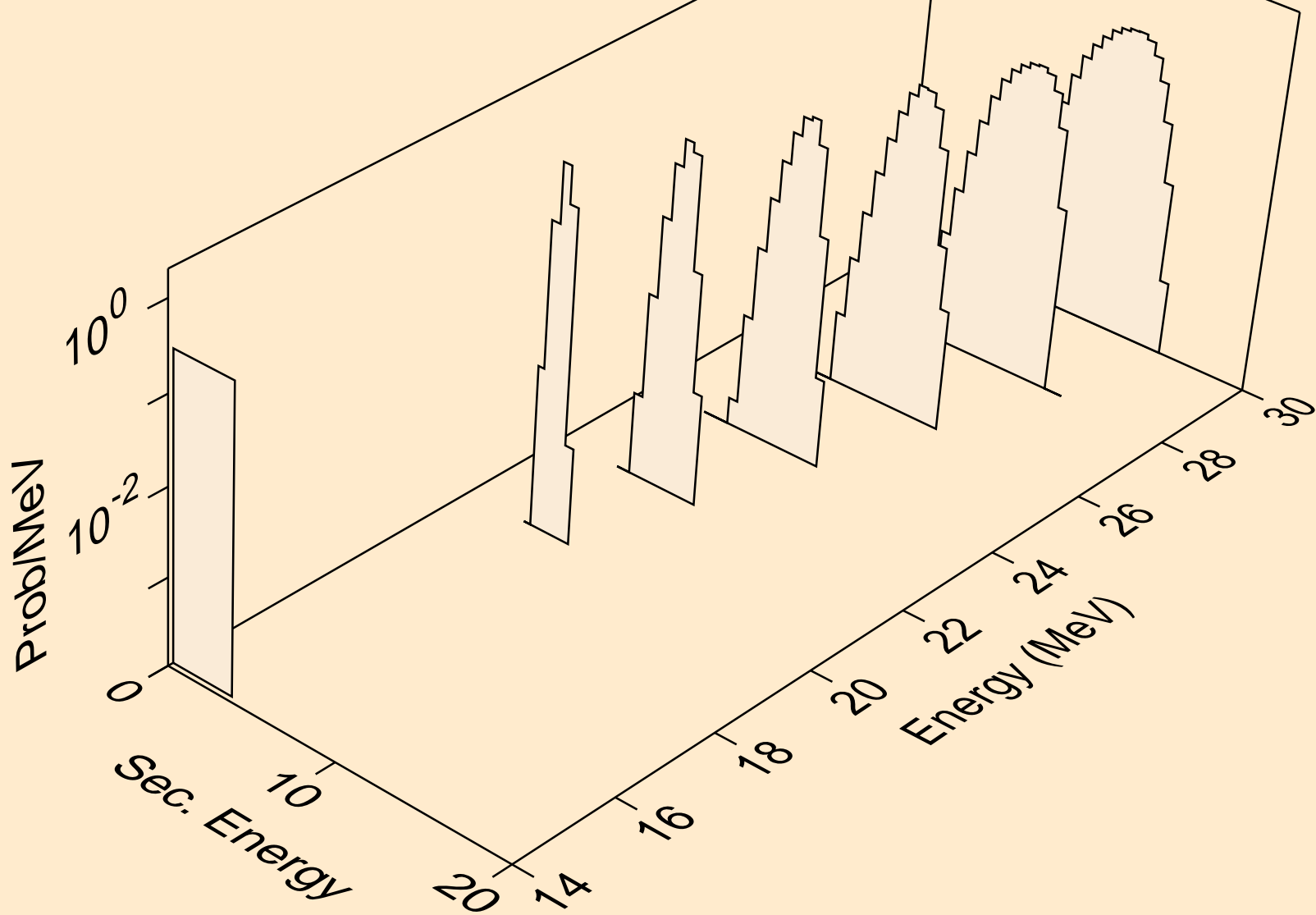
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,x)



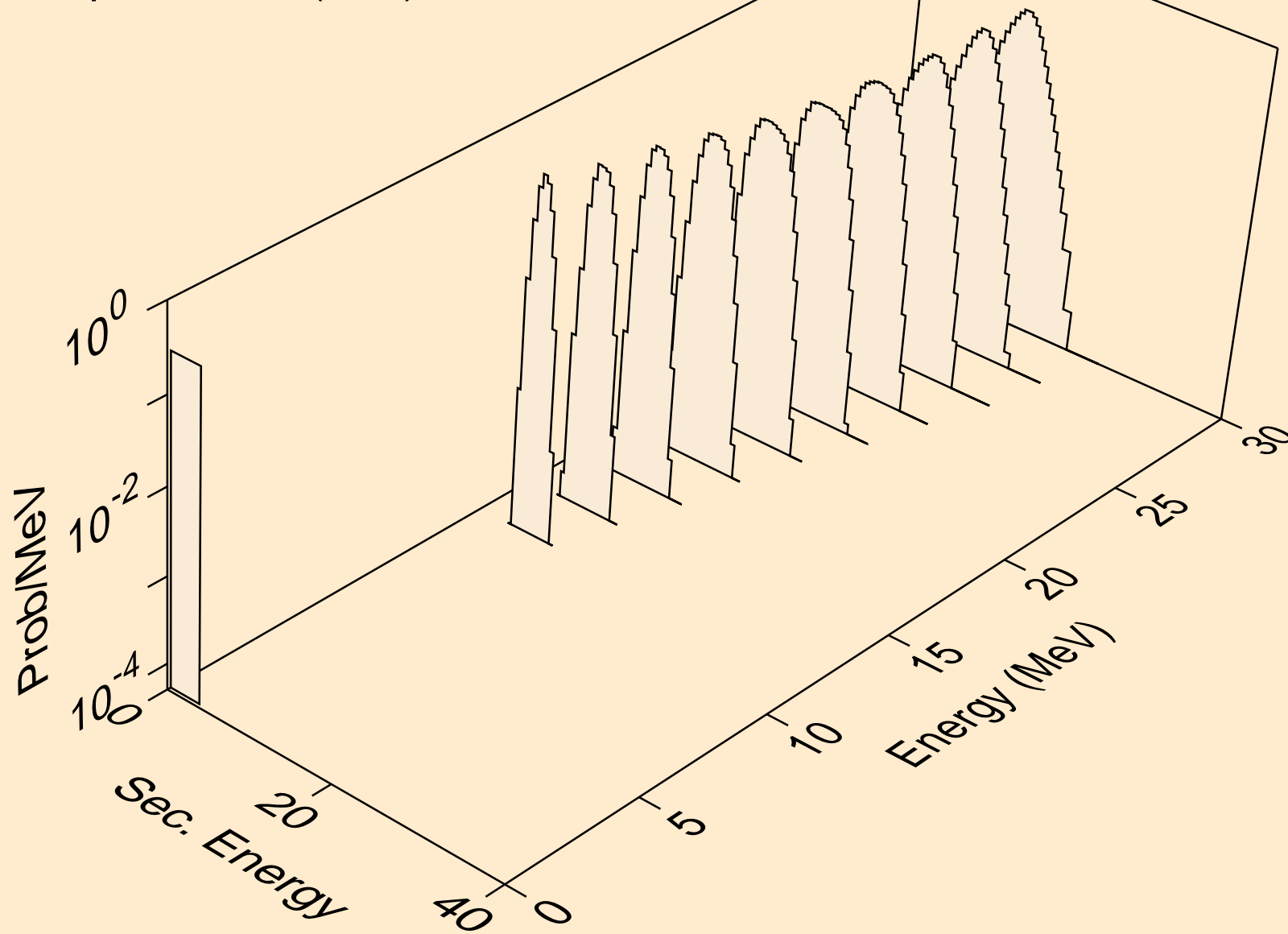
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)a



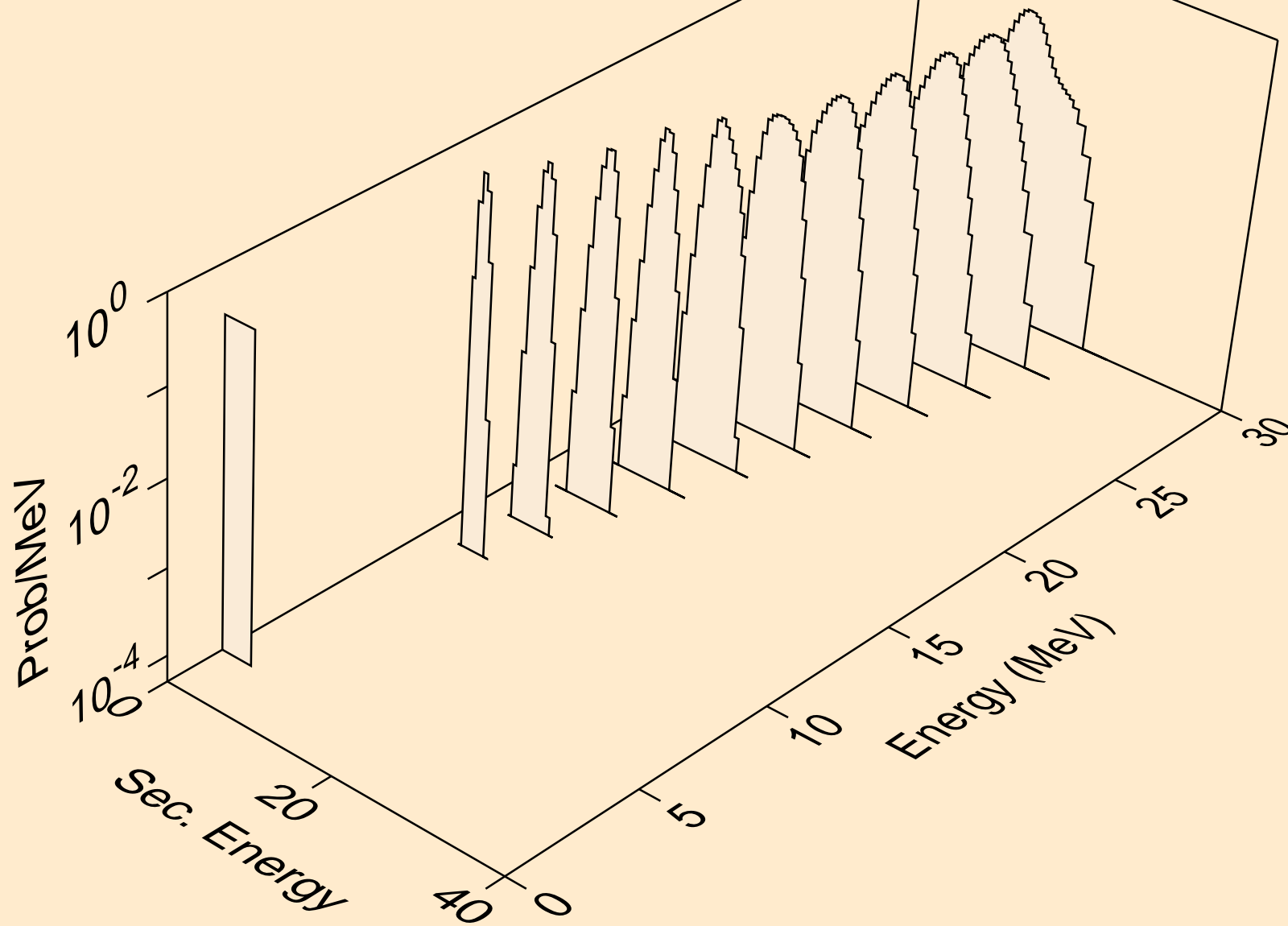
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2n)a



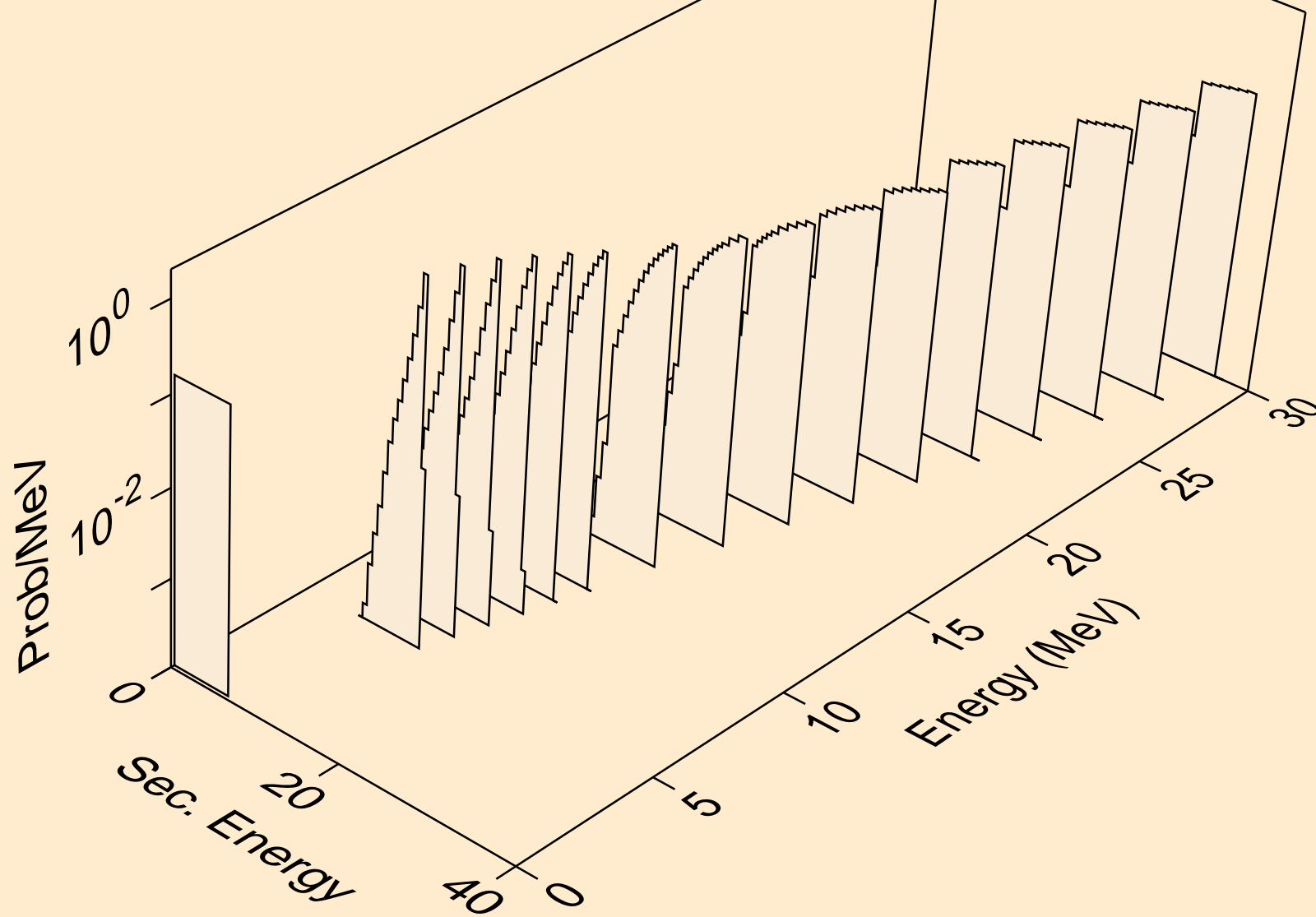
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)2a



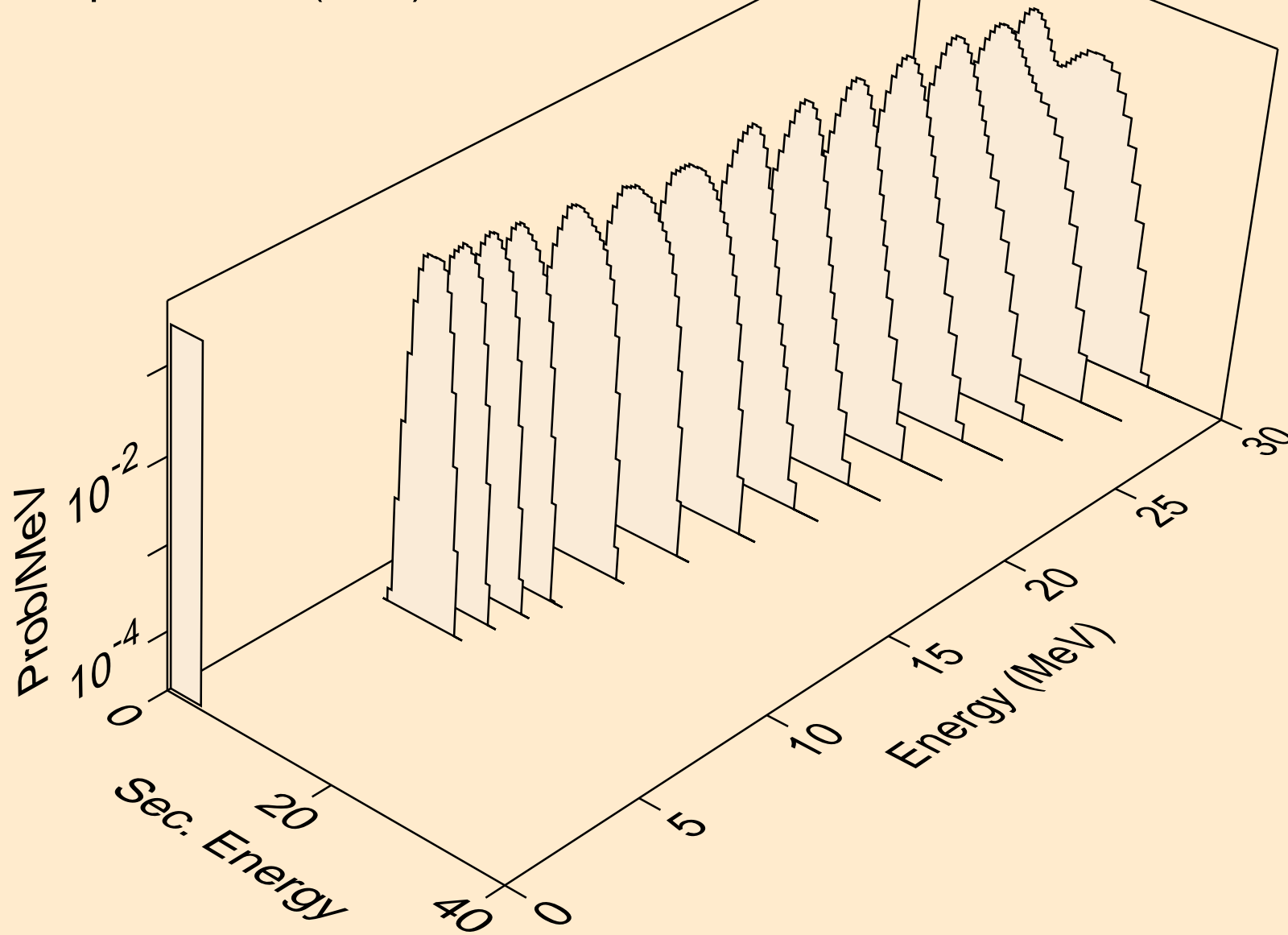
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,npa)



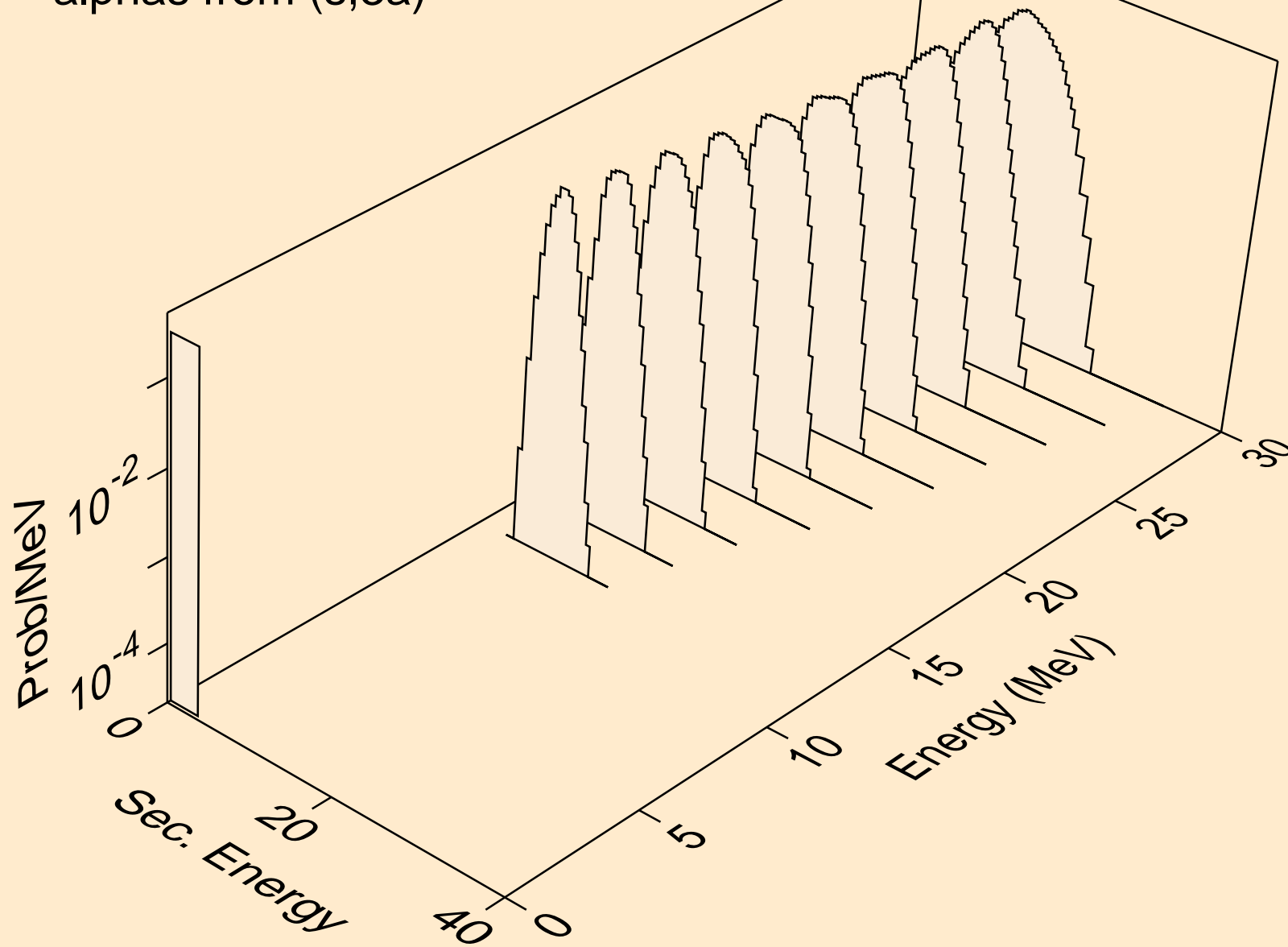
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,a)



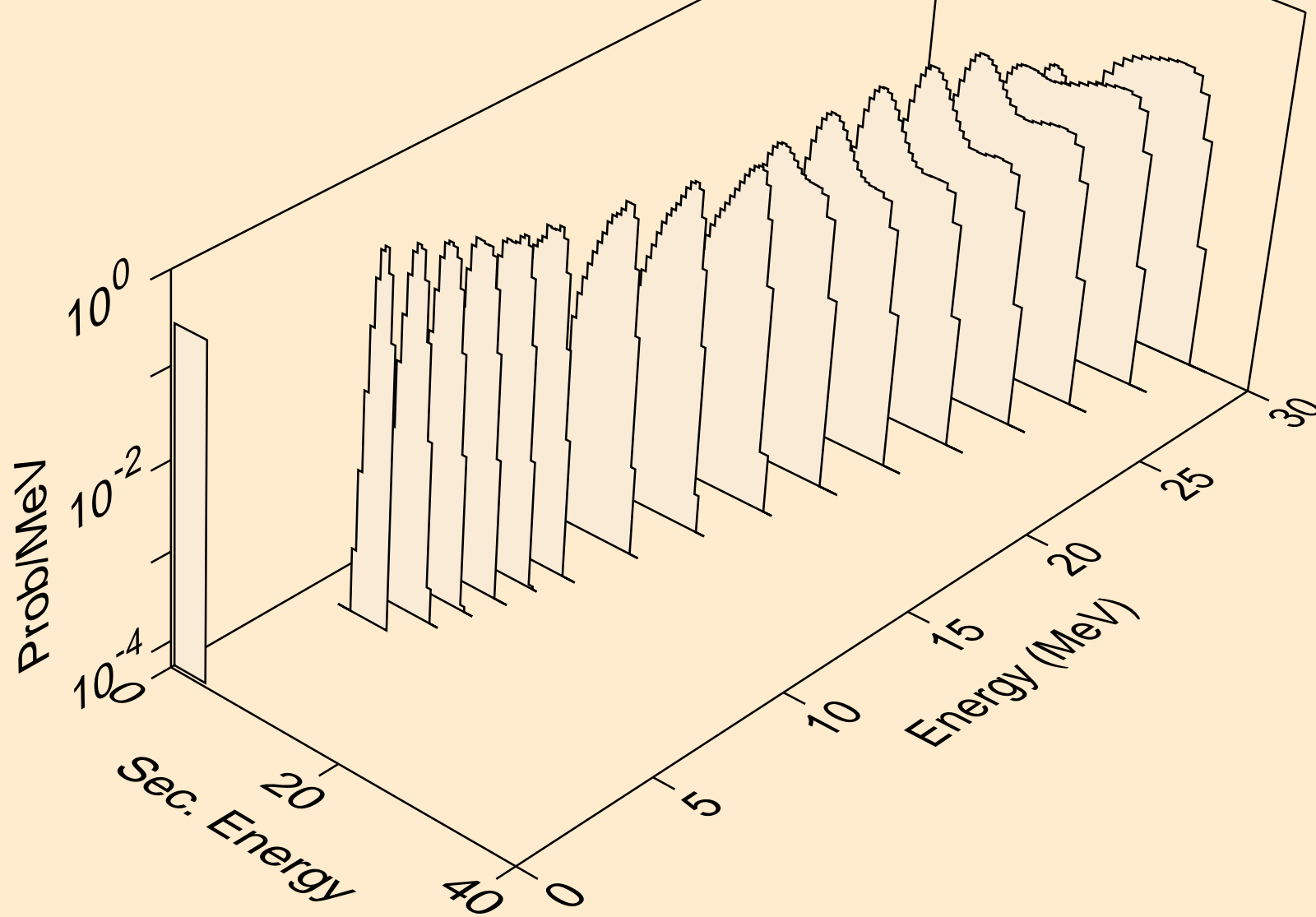
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)



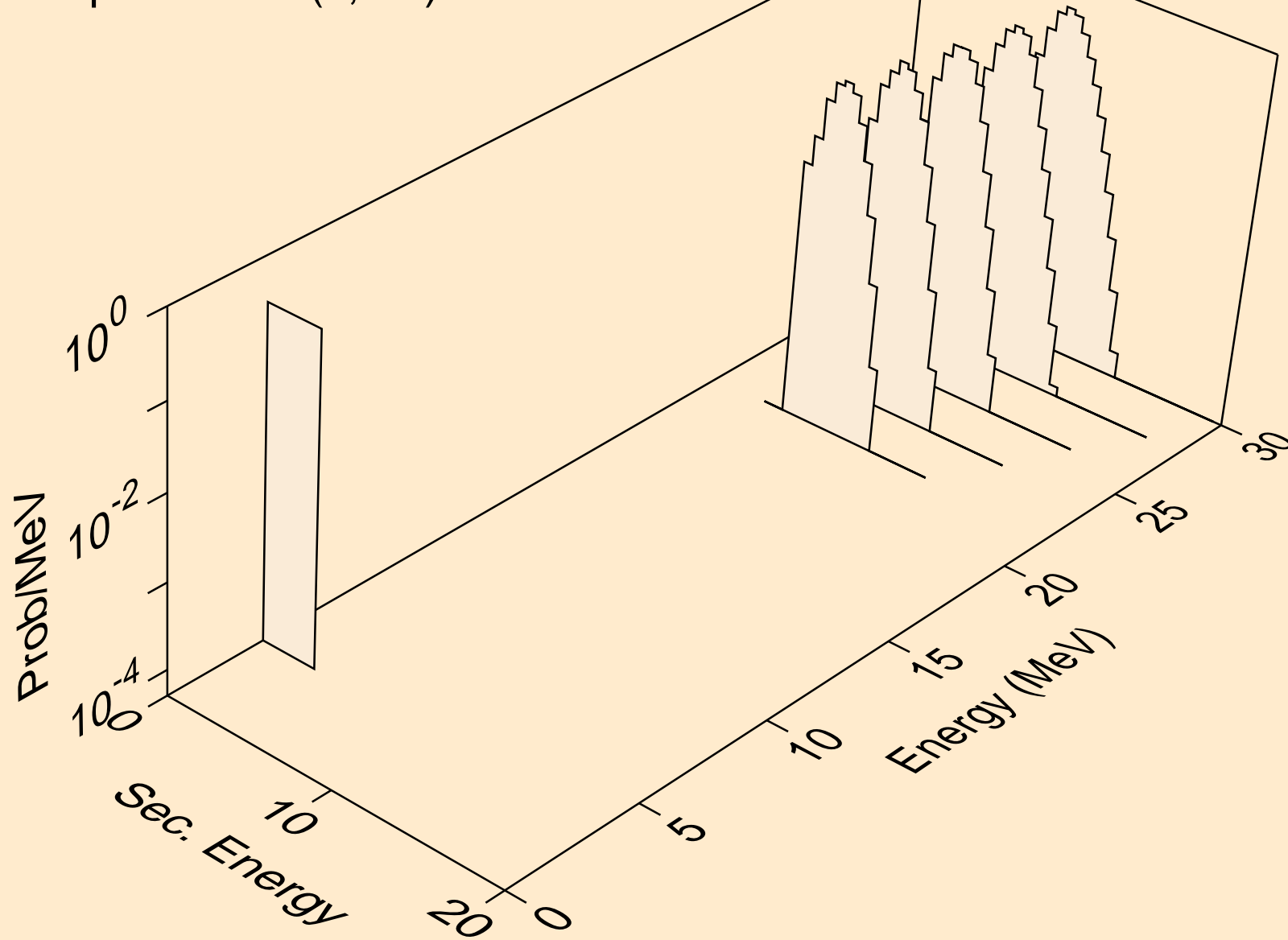
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,3a)



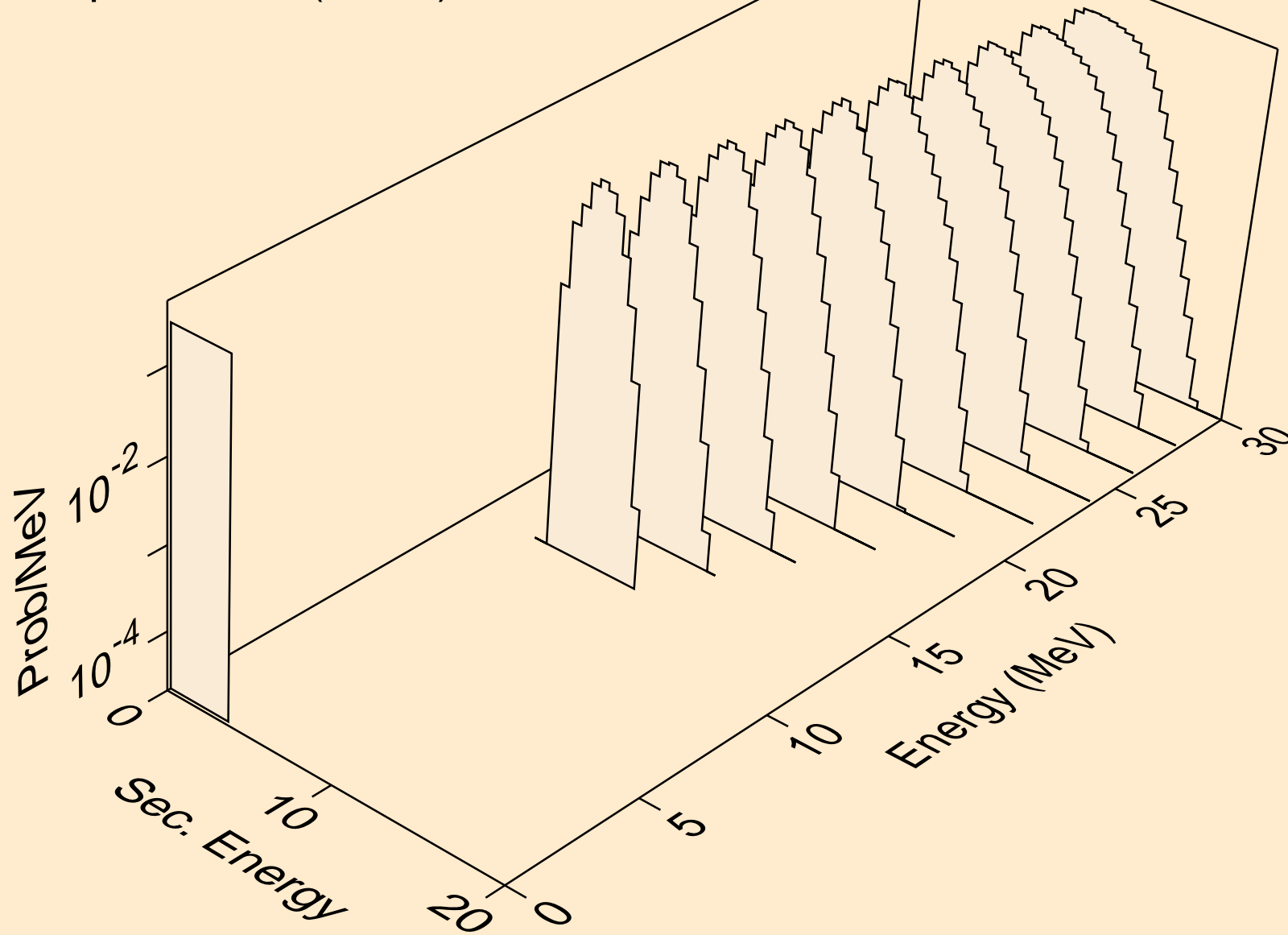
CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,t2a)



CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,d2a)



CS119M HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

