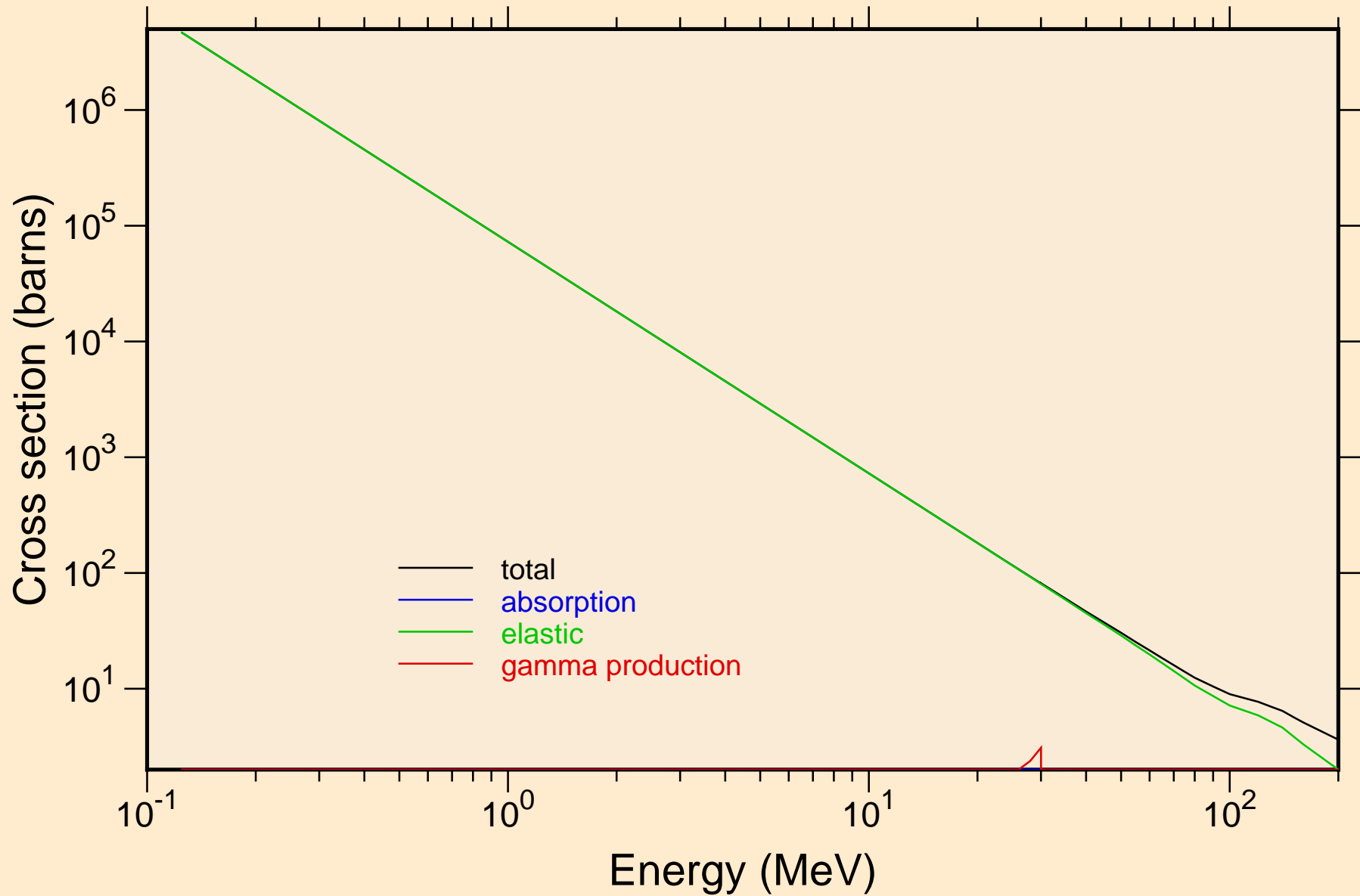
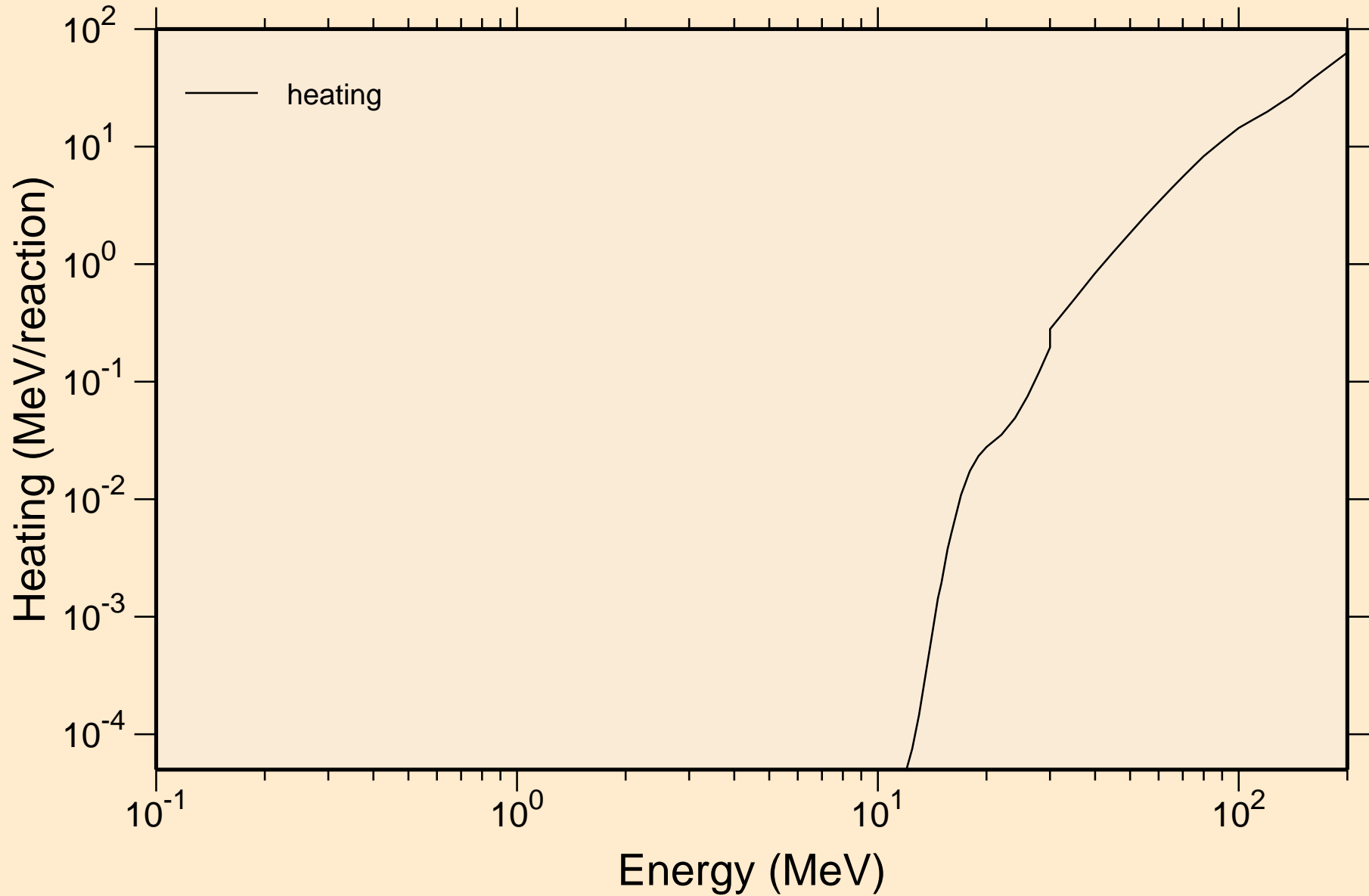


I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Principal cross sections



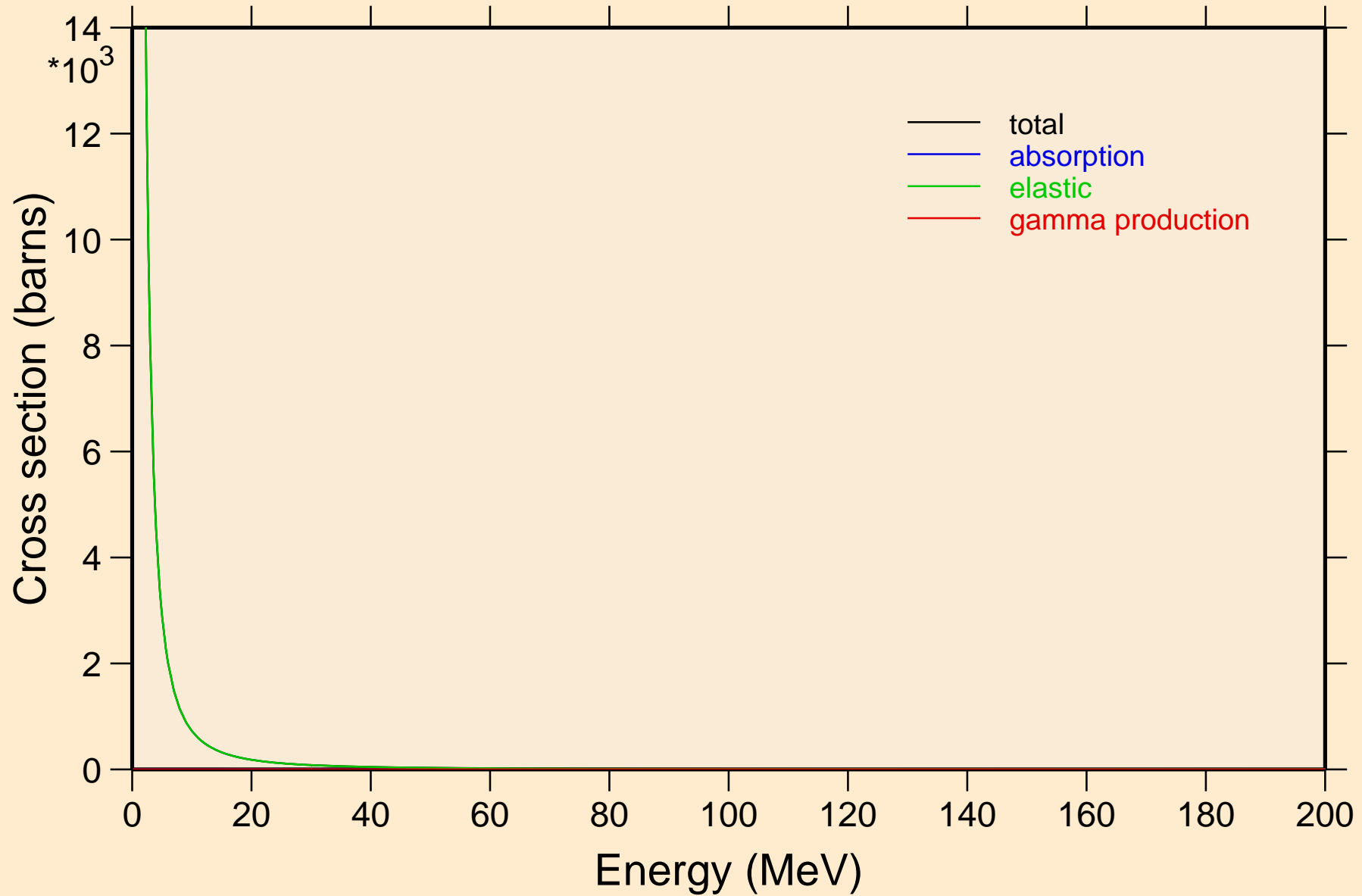
# I113 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Heating



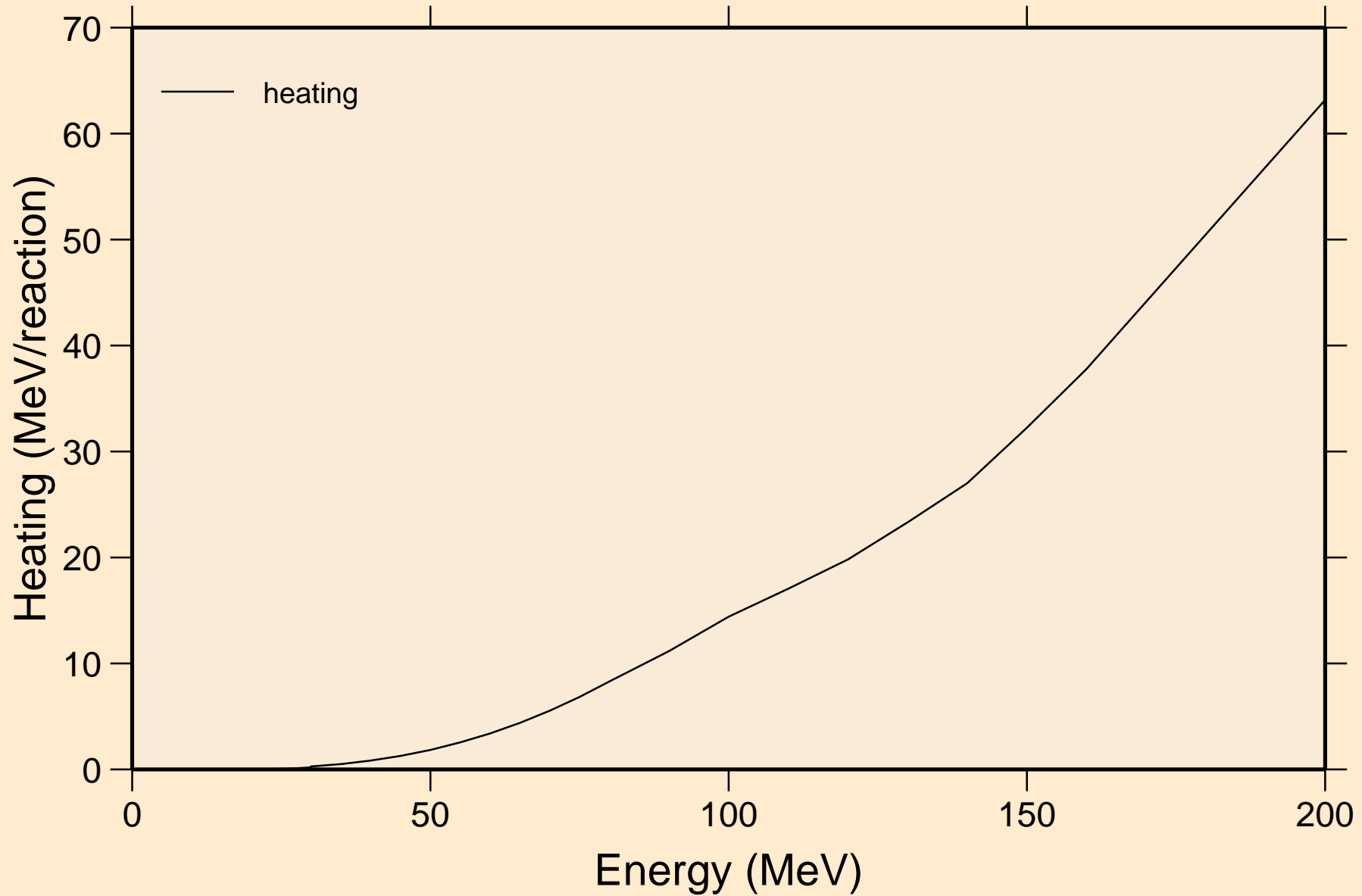
# I113 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



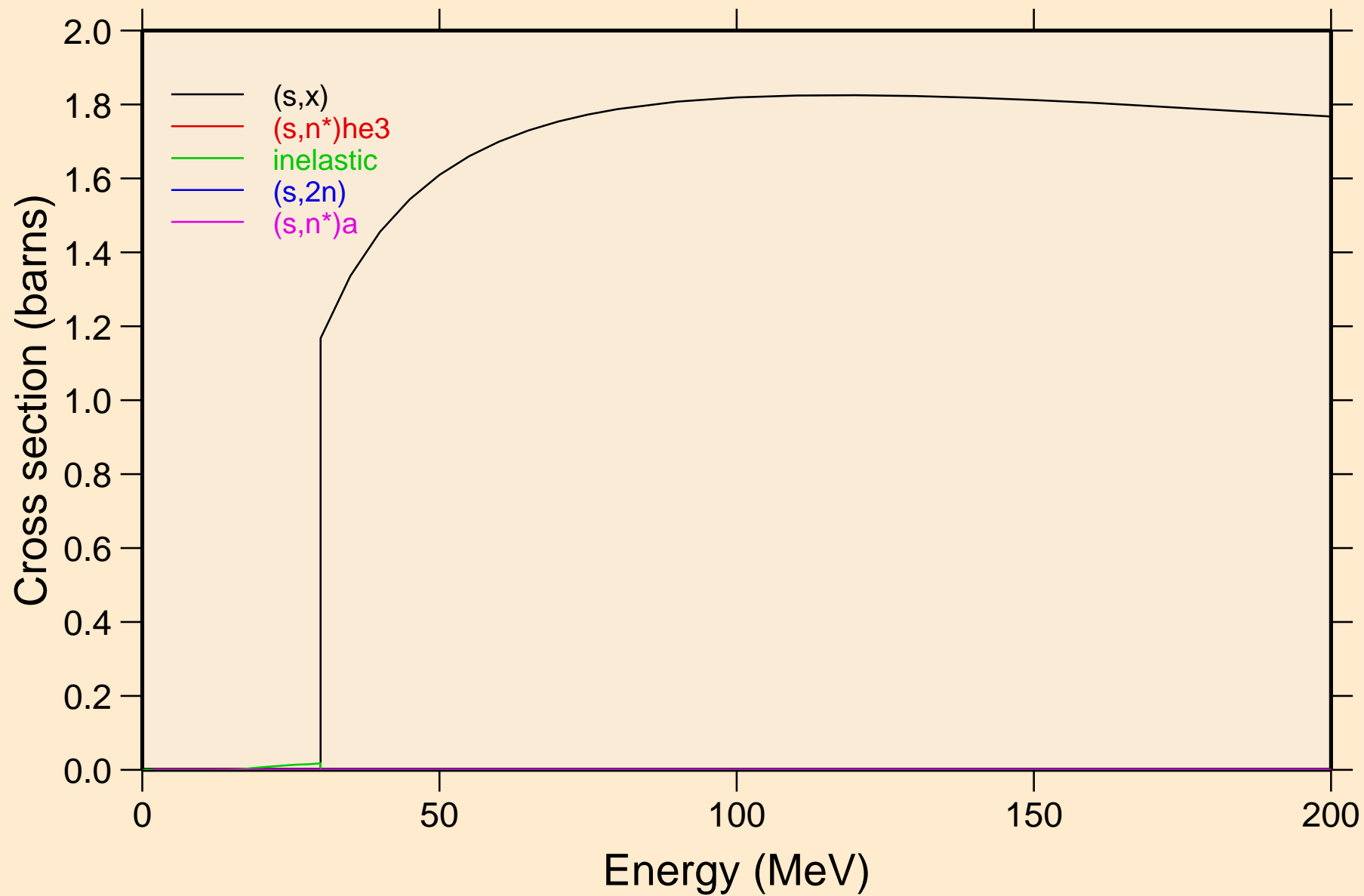
# I113 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Heating

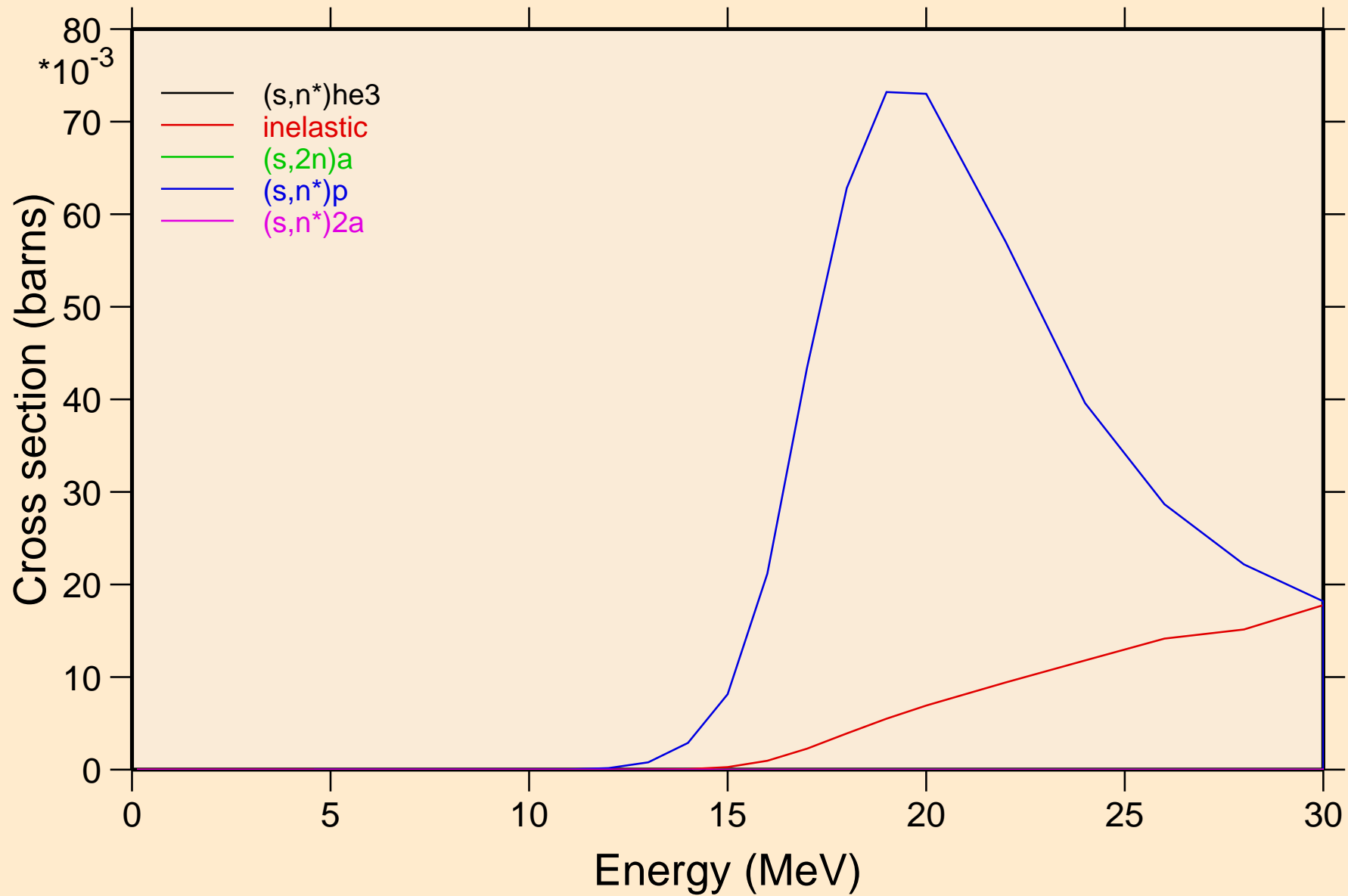


# I113 HELION ACER TENDL-2024 LIBRARY; T=0.K

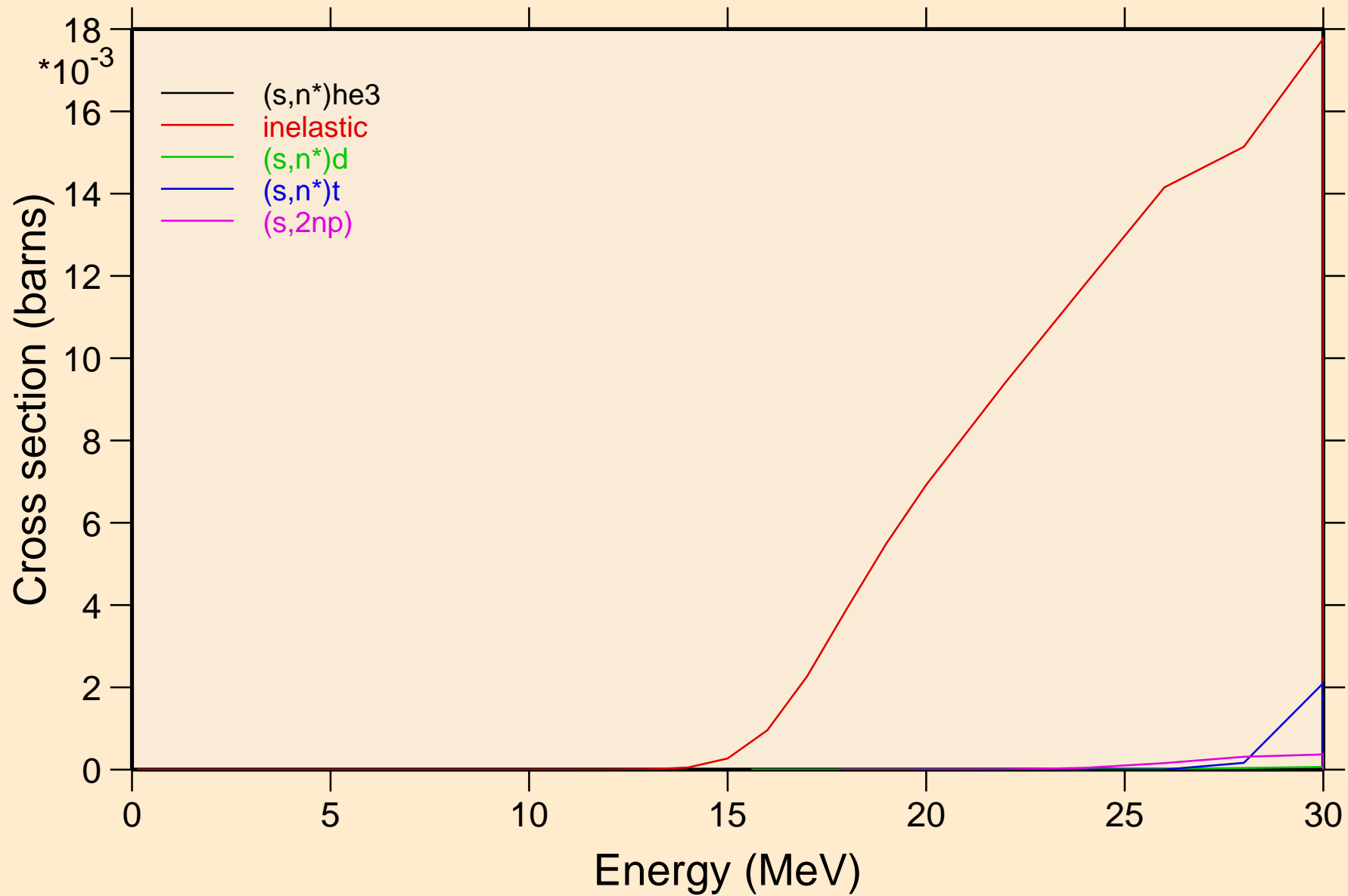
## Threshold reactions



I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

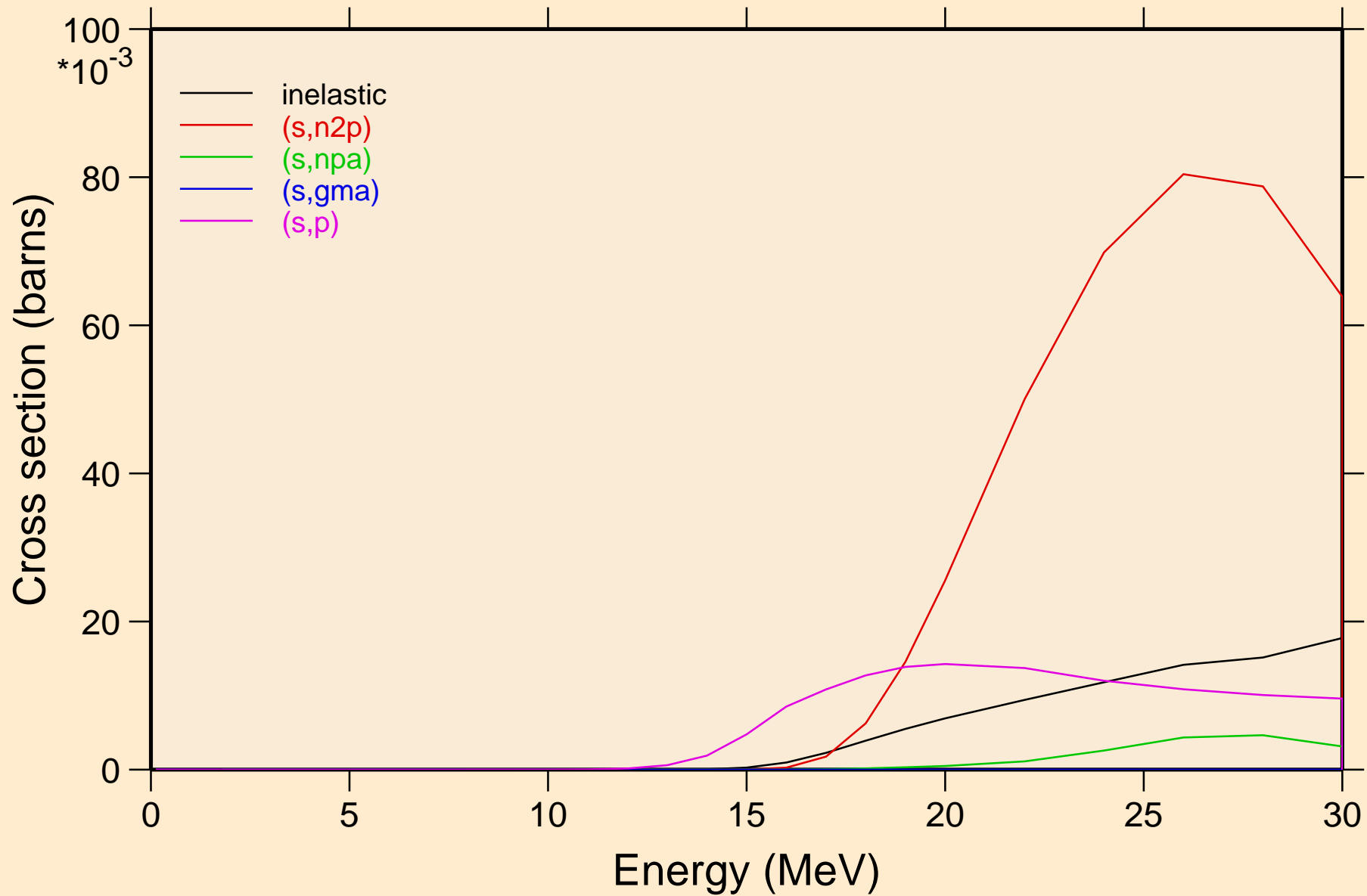


I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



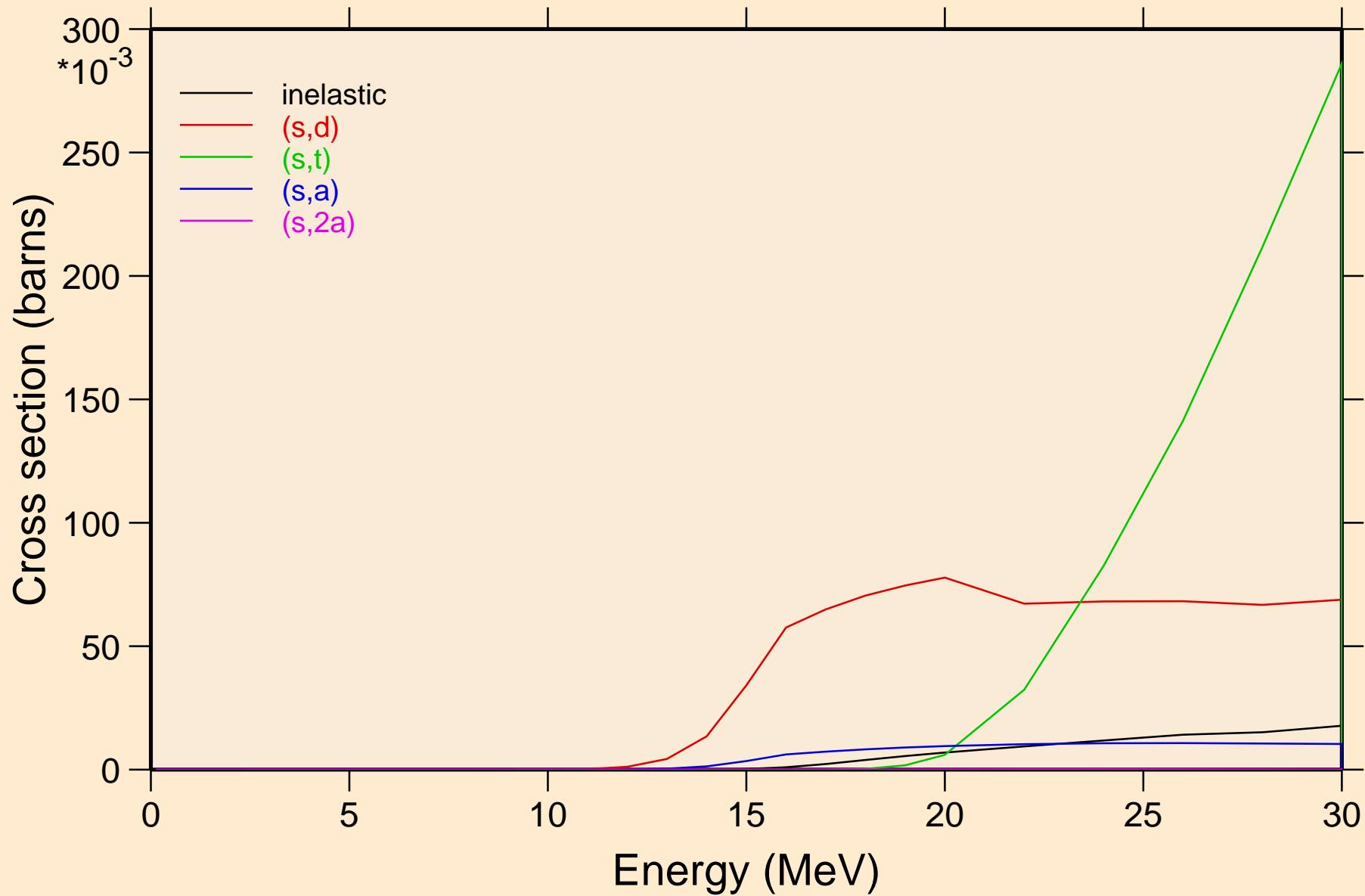
# I113 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

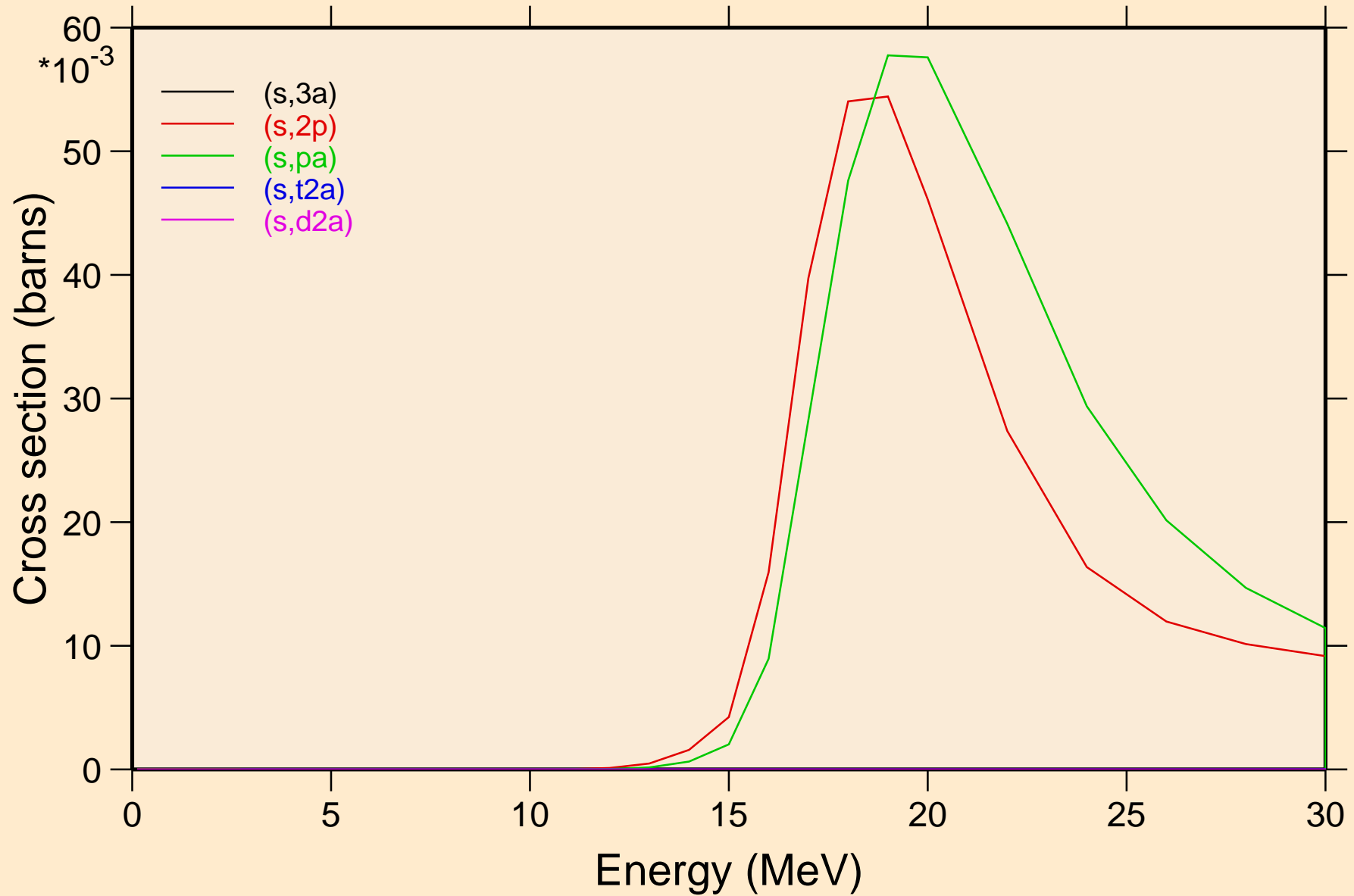


# I113 HELION ACER TENDL-2024 LIBRARY; T=0.K

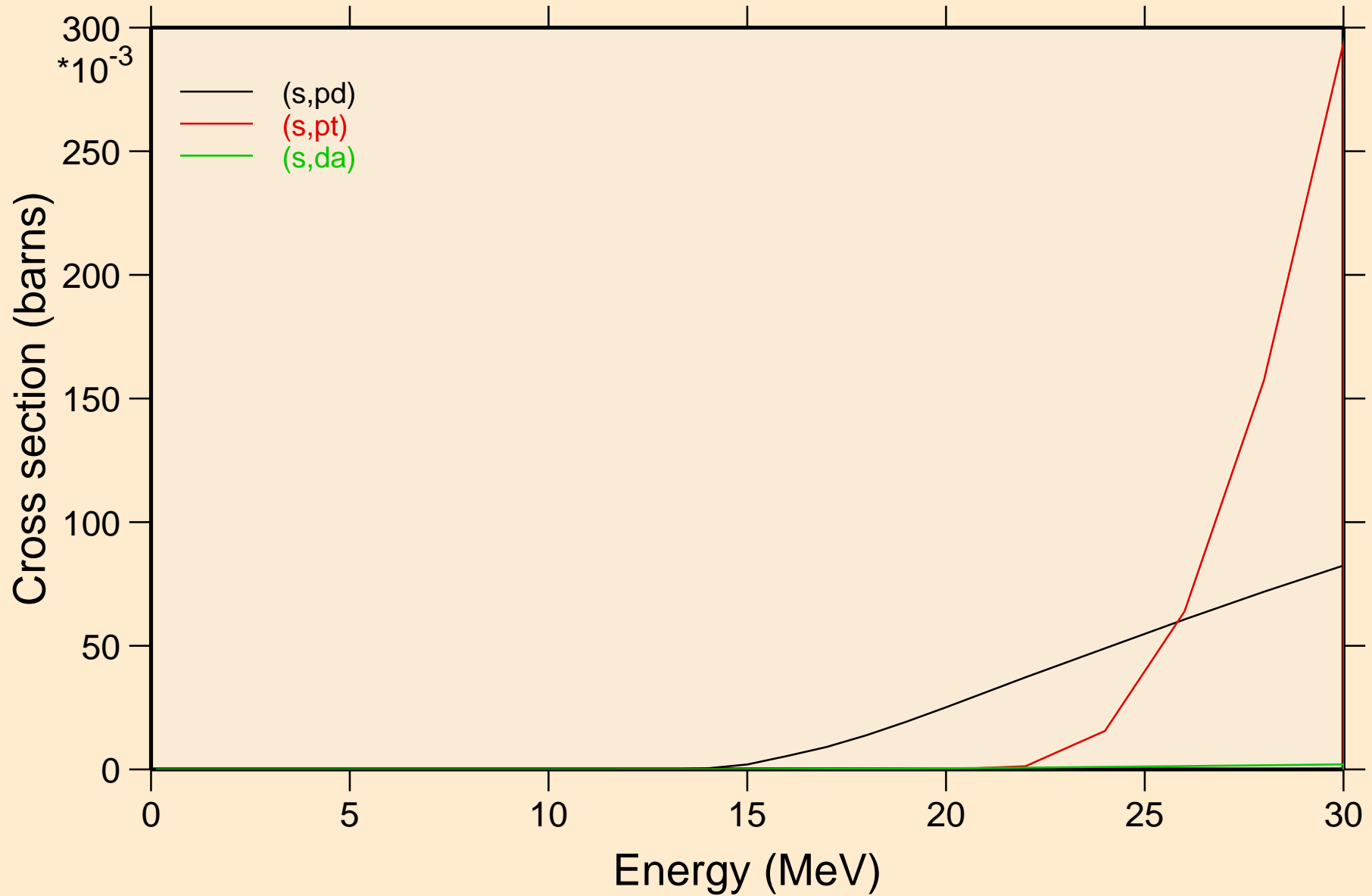
## Threshold reactions



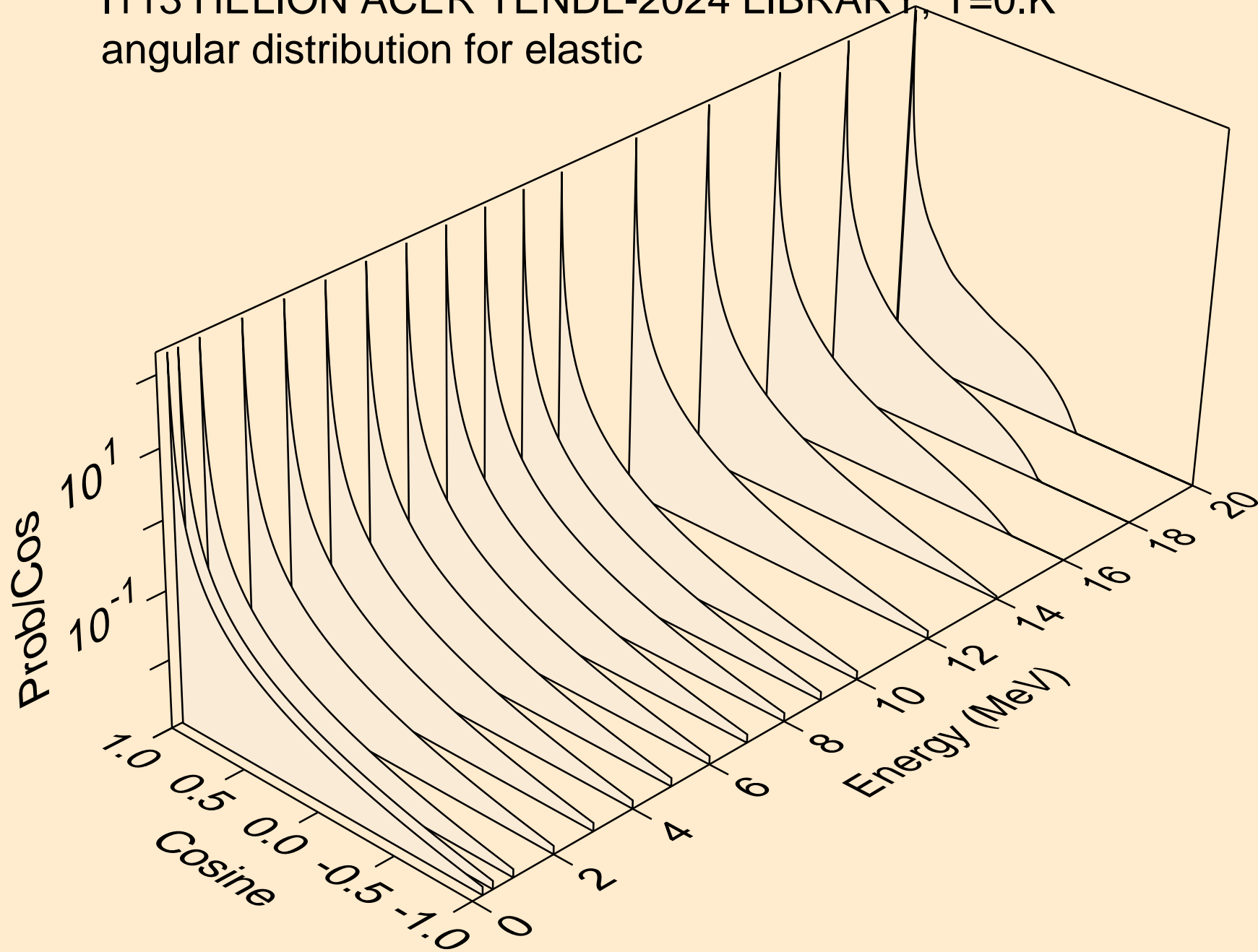
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



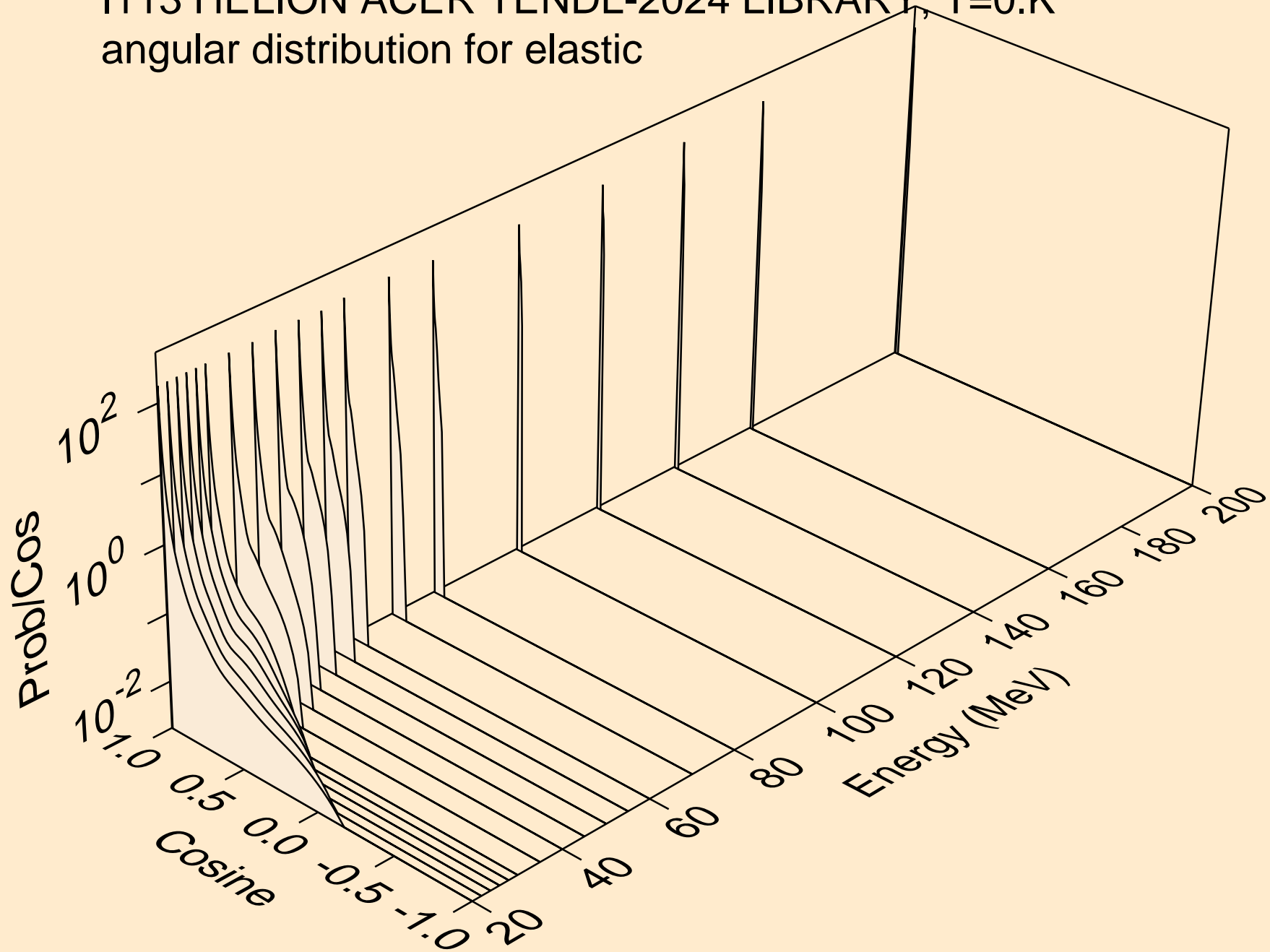
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



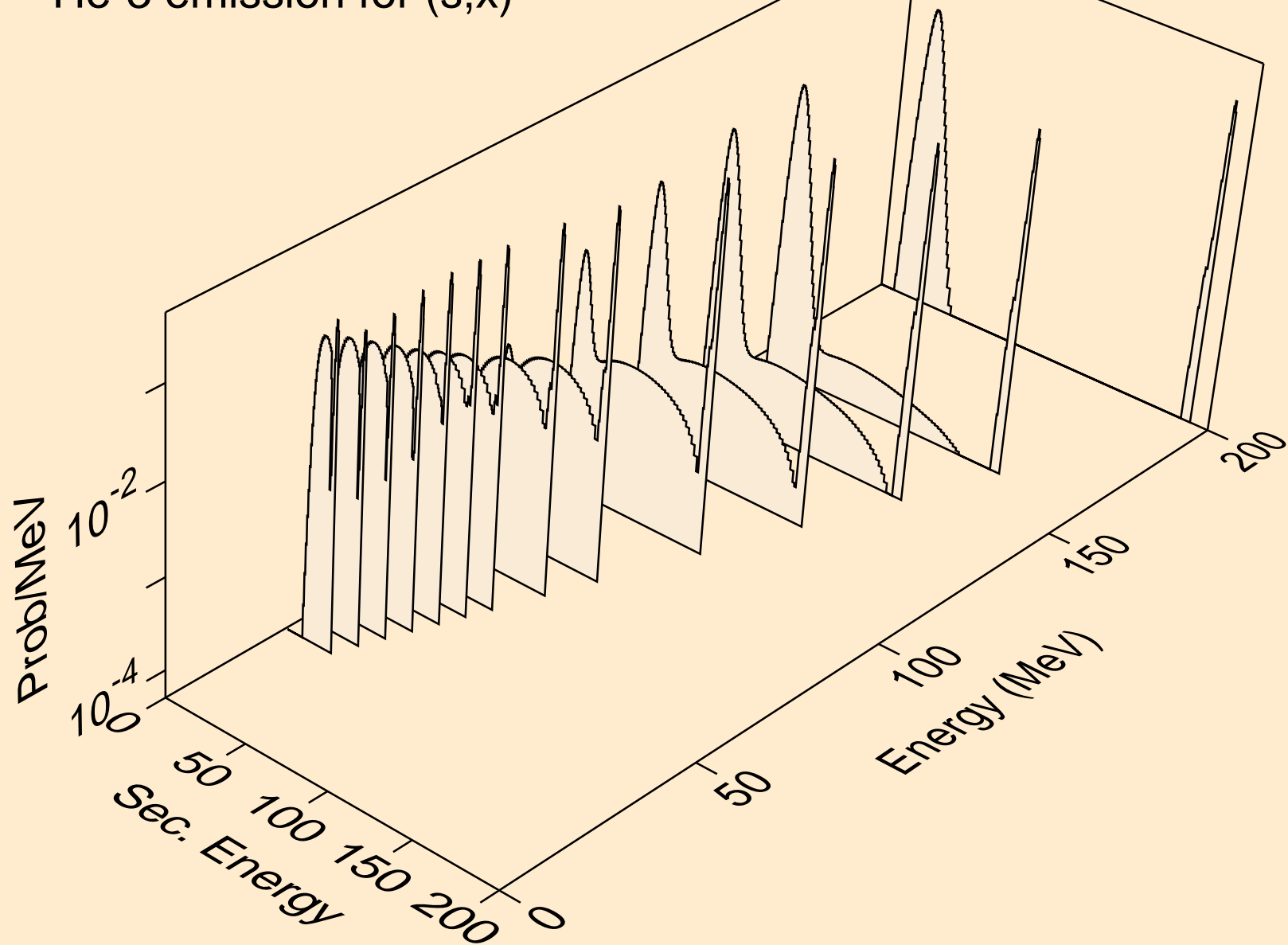
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



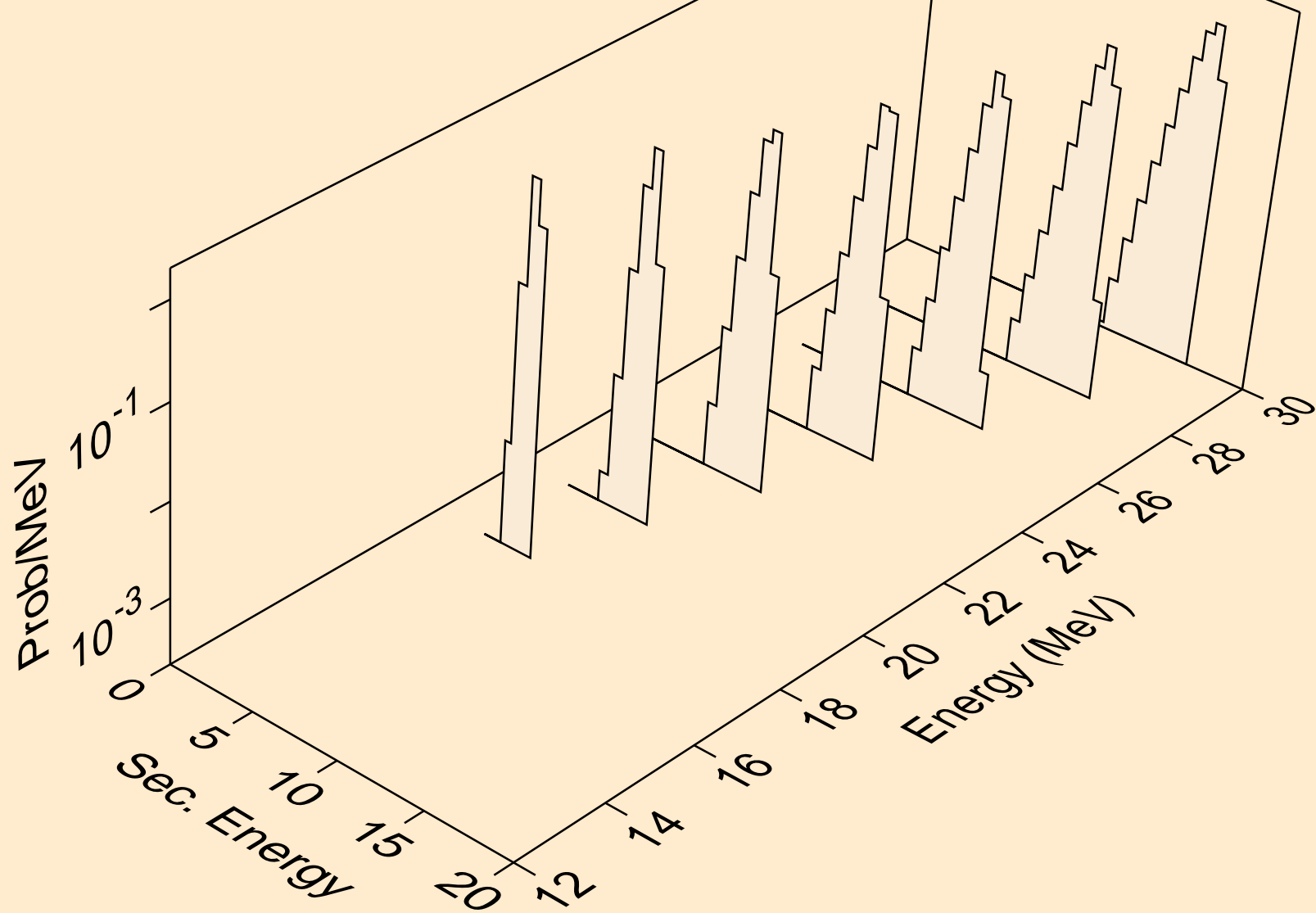
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



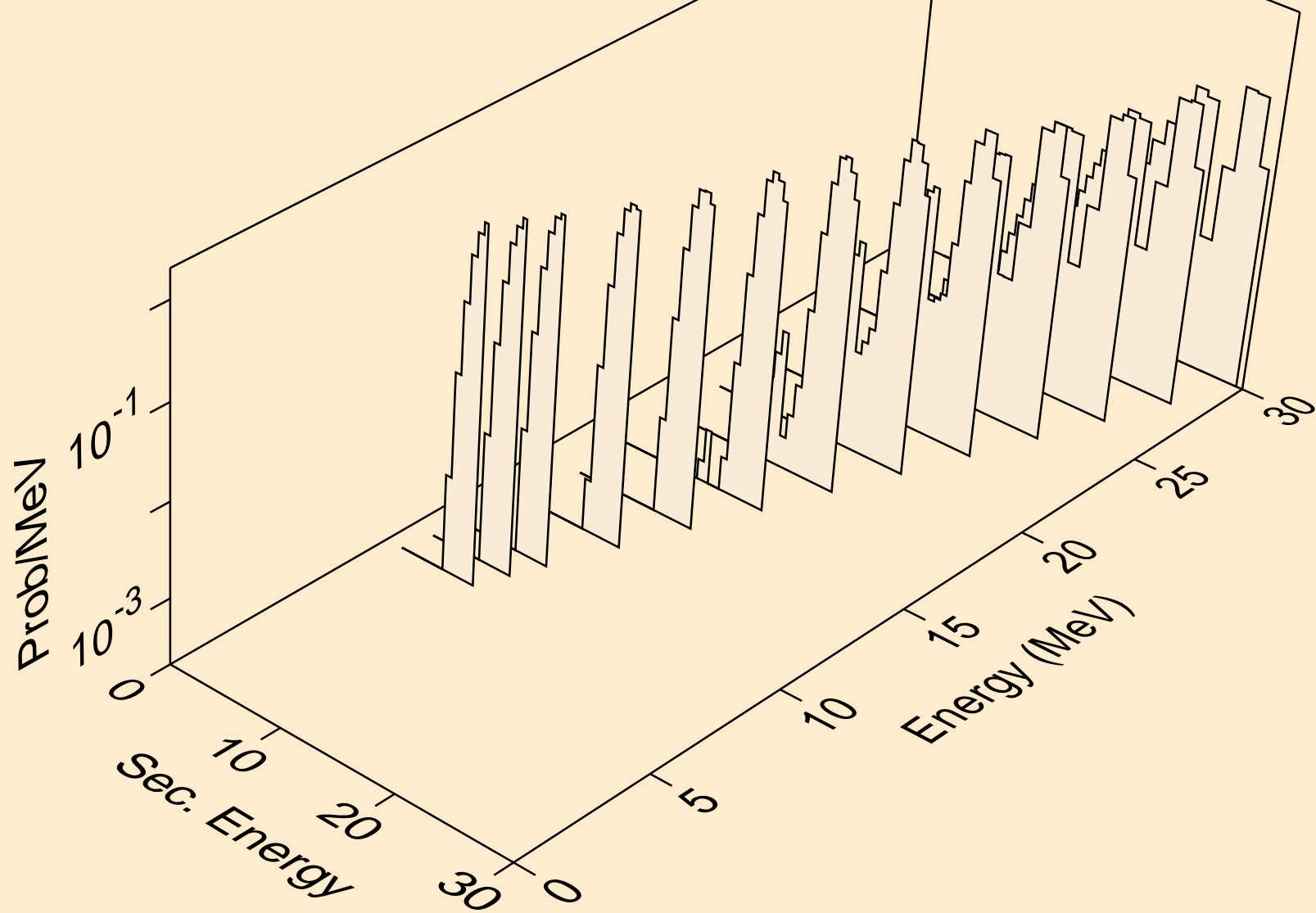
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for (s,x)



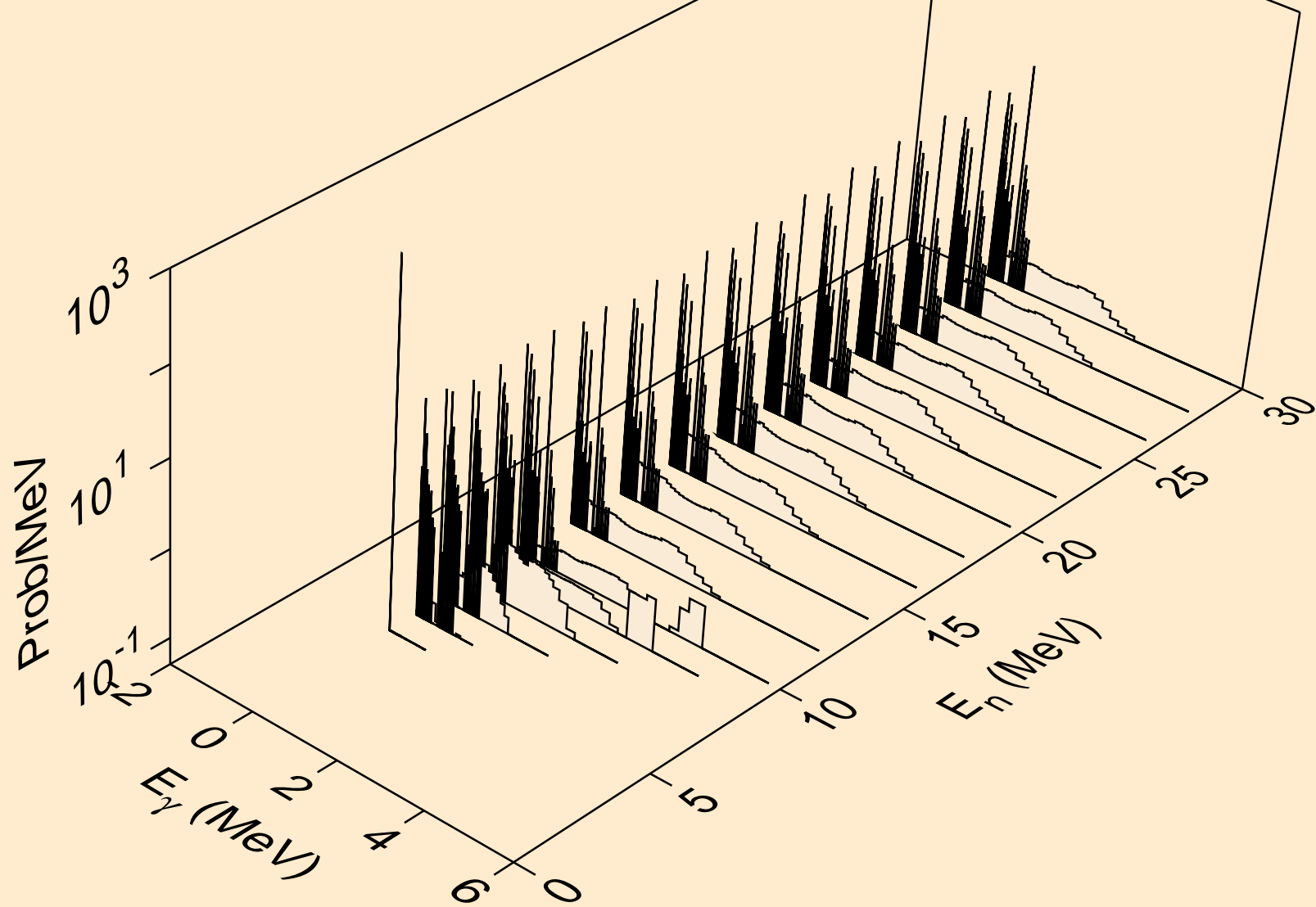
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3



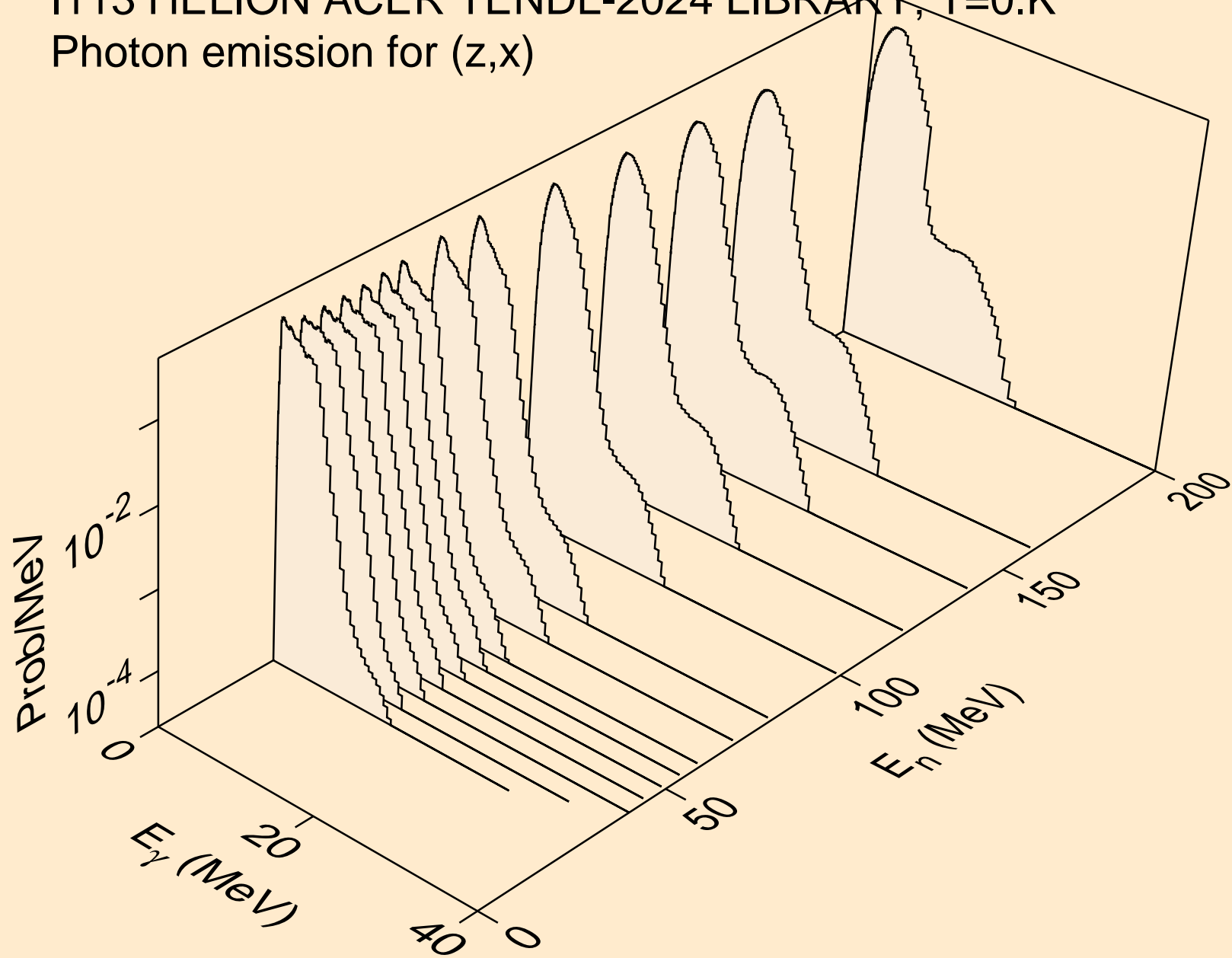
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for inelastic



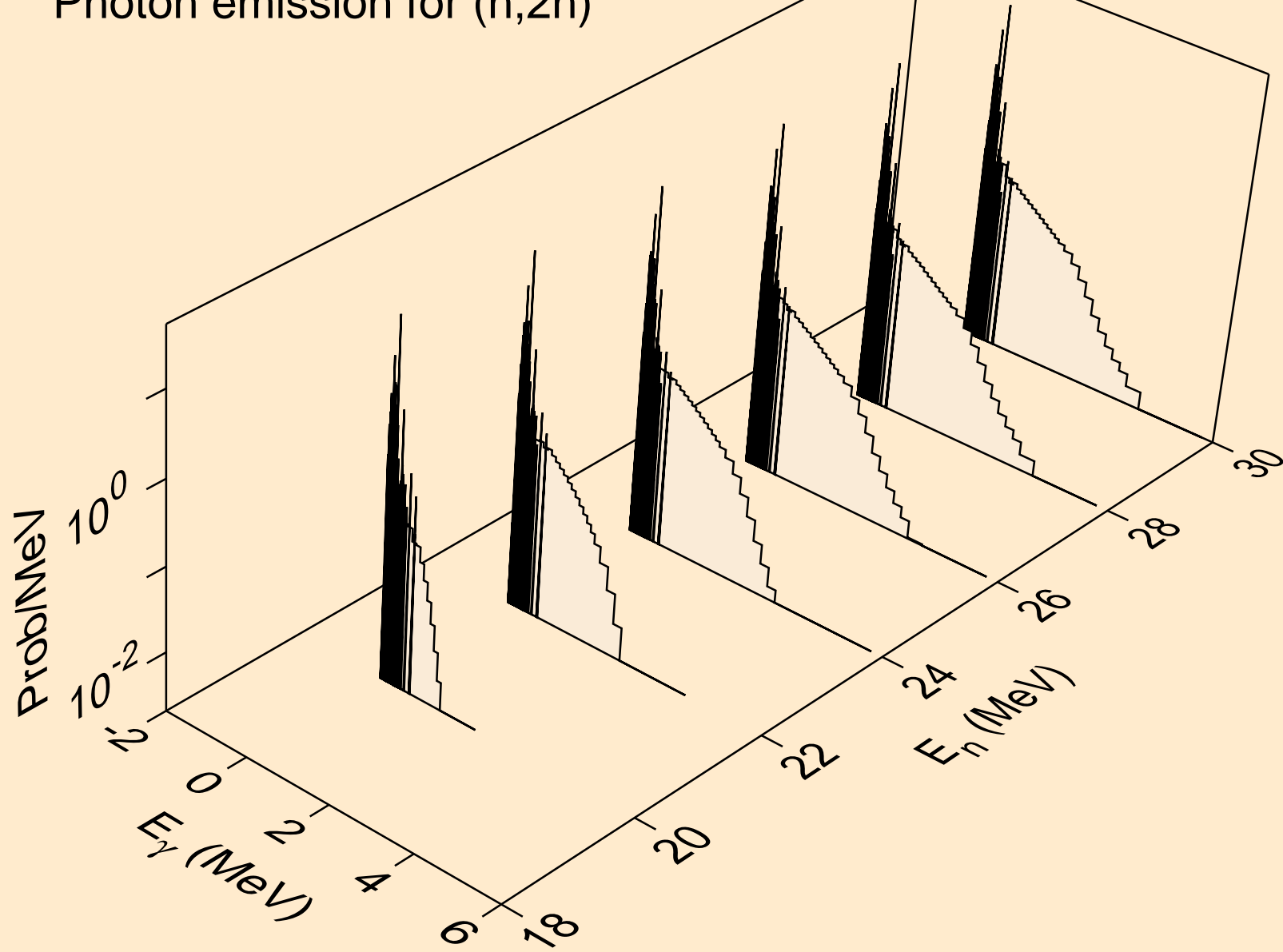
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,n)



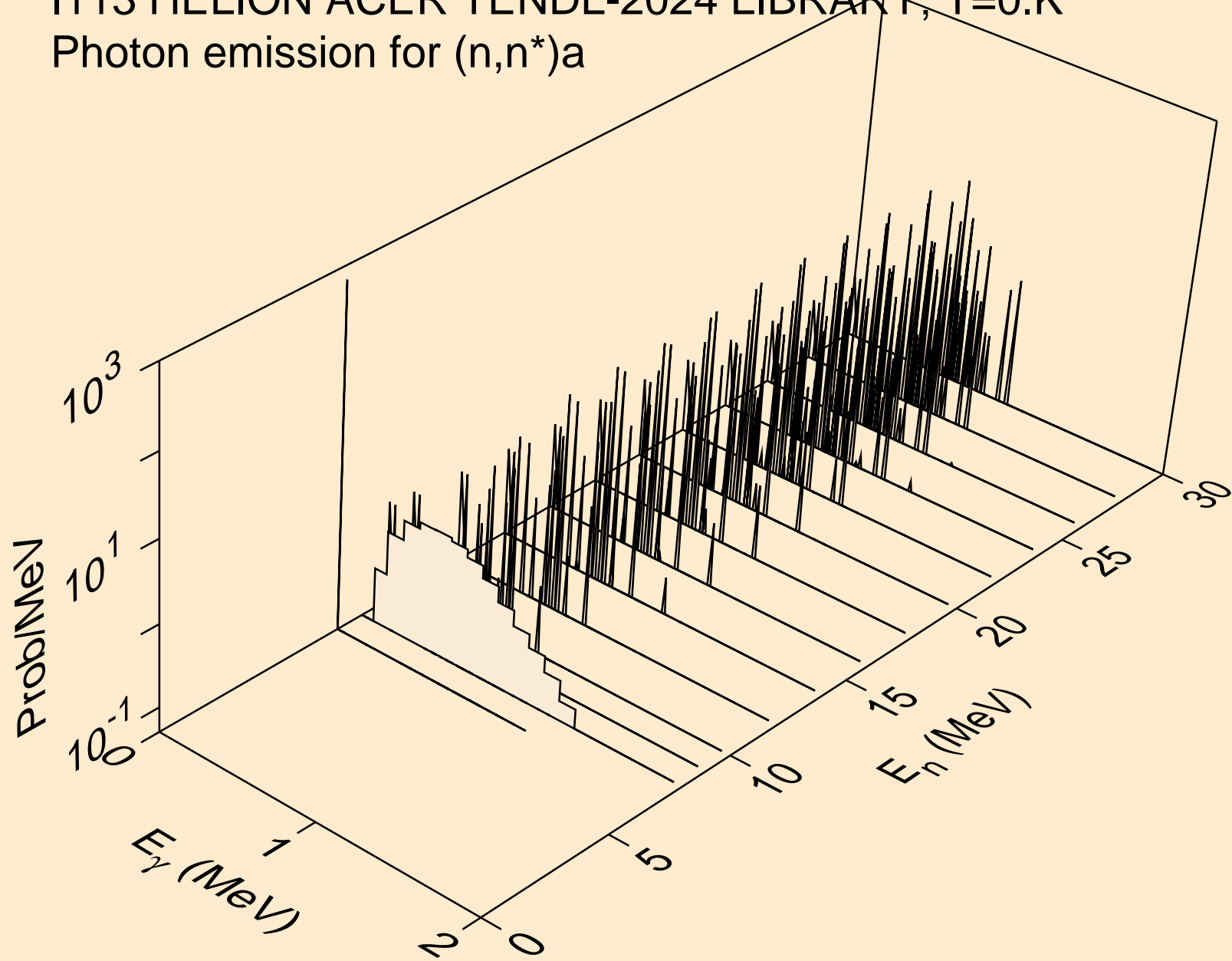
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,x)



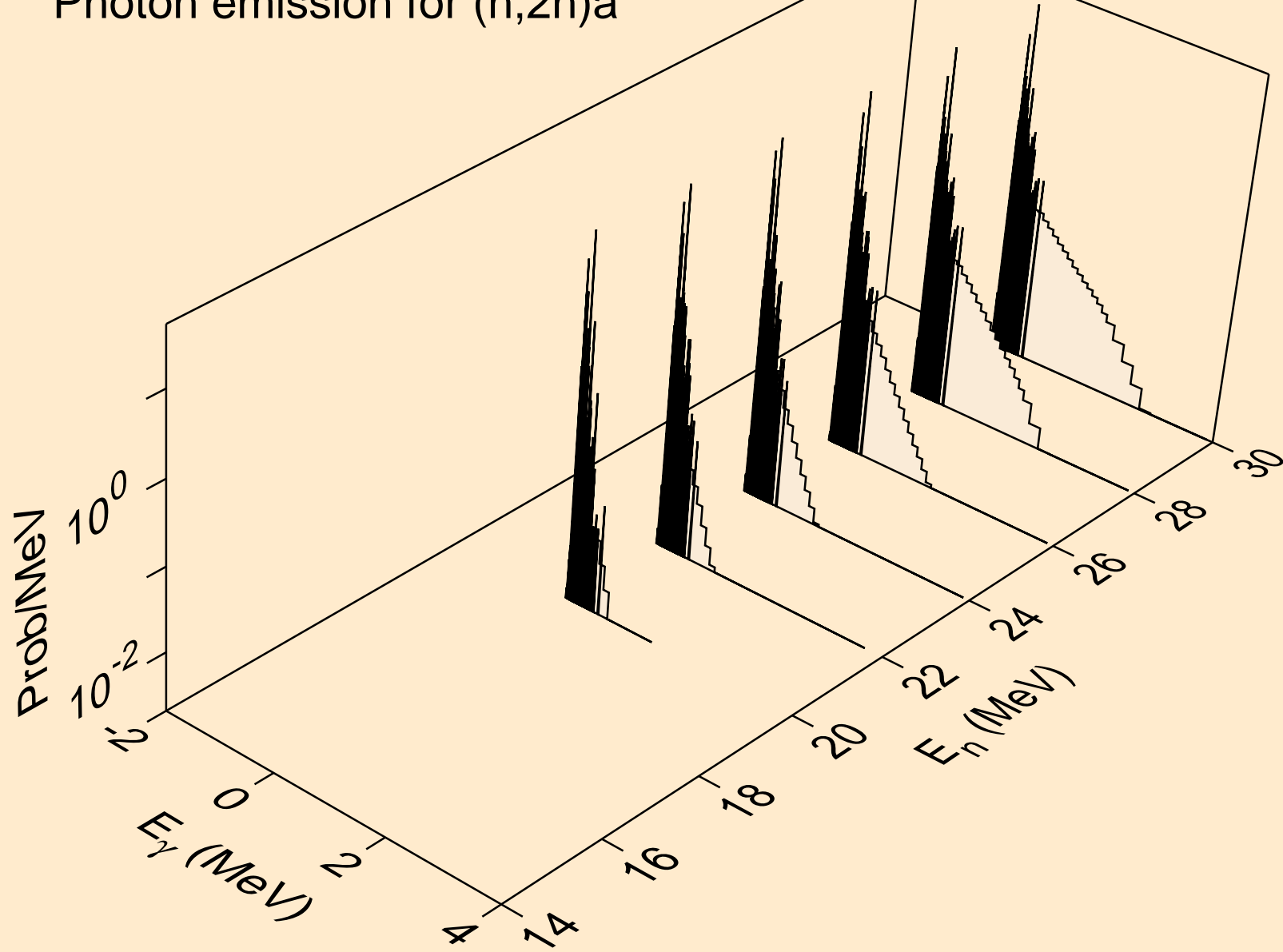
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



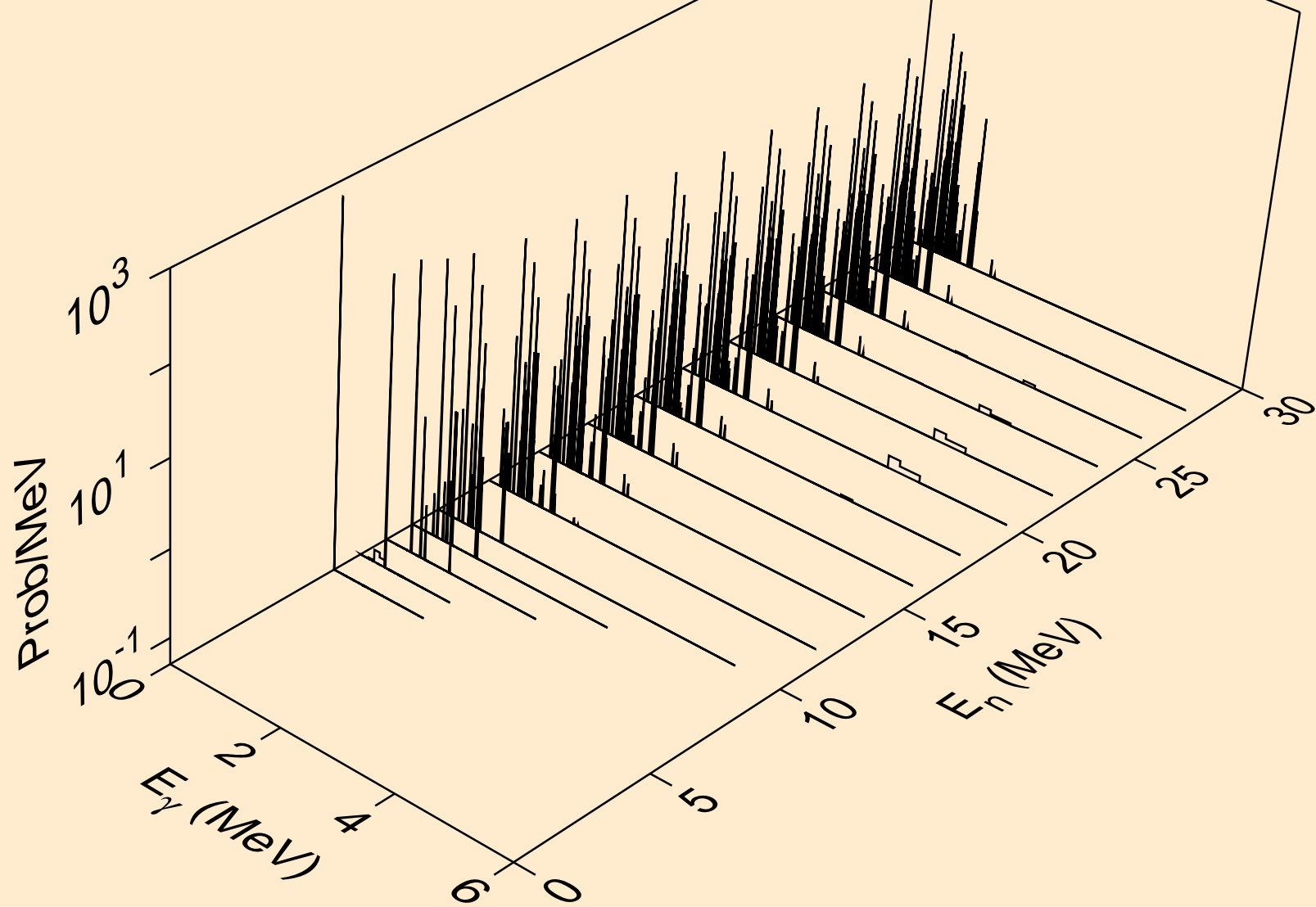
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



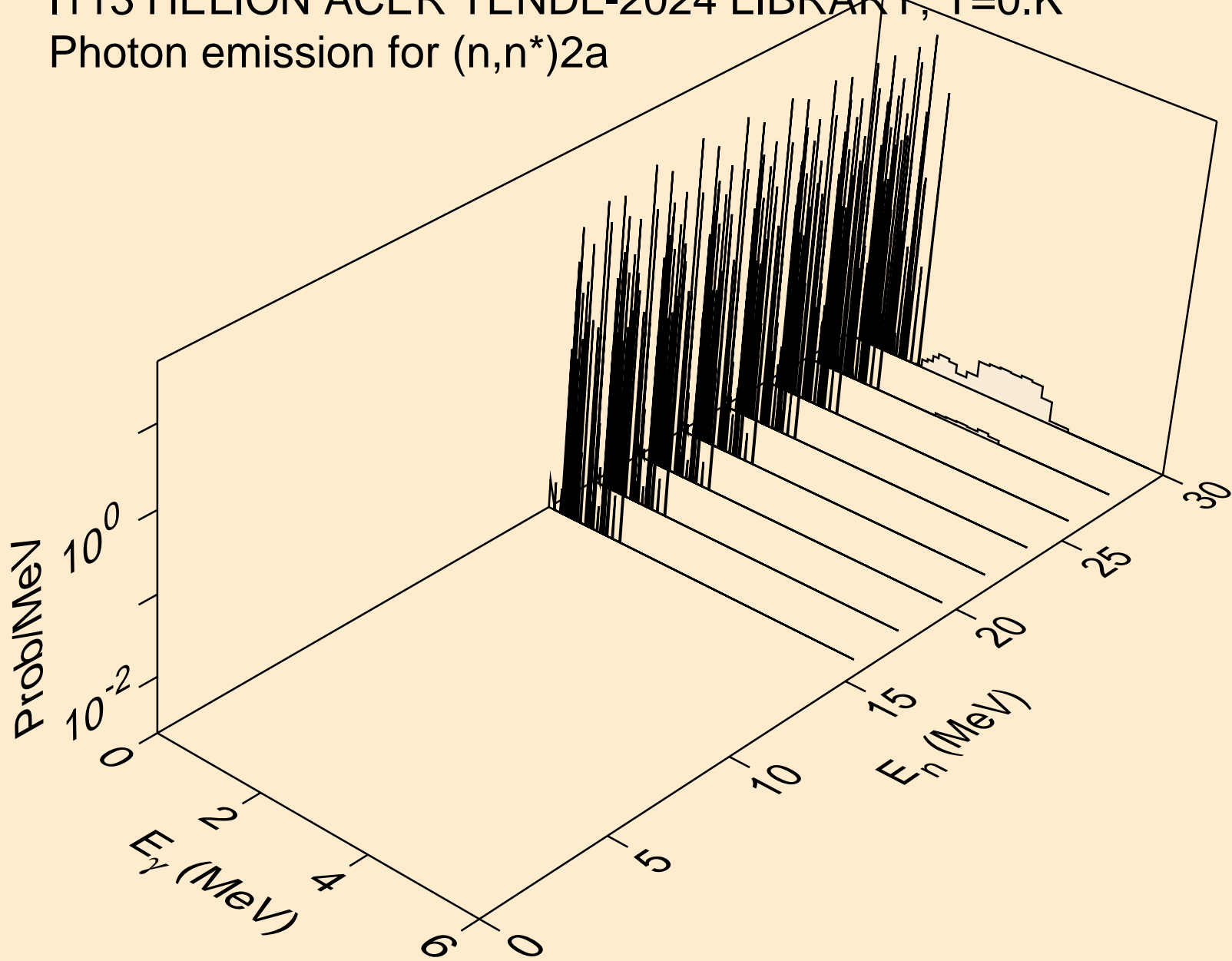
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



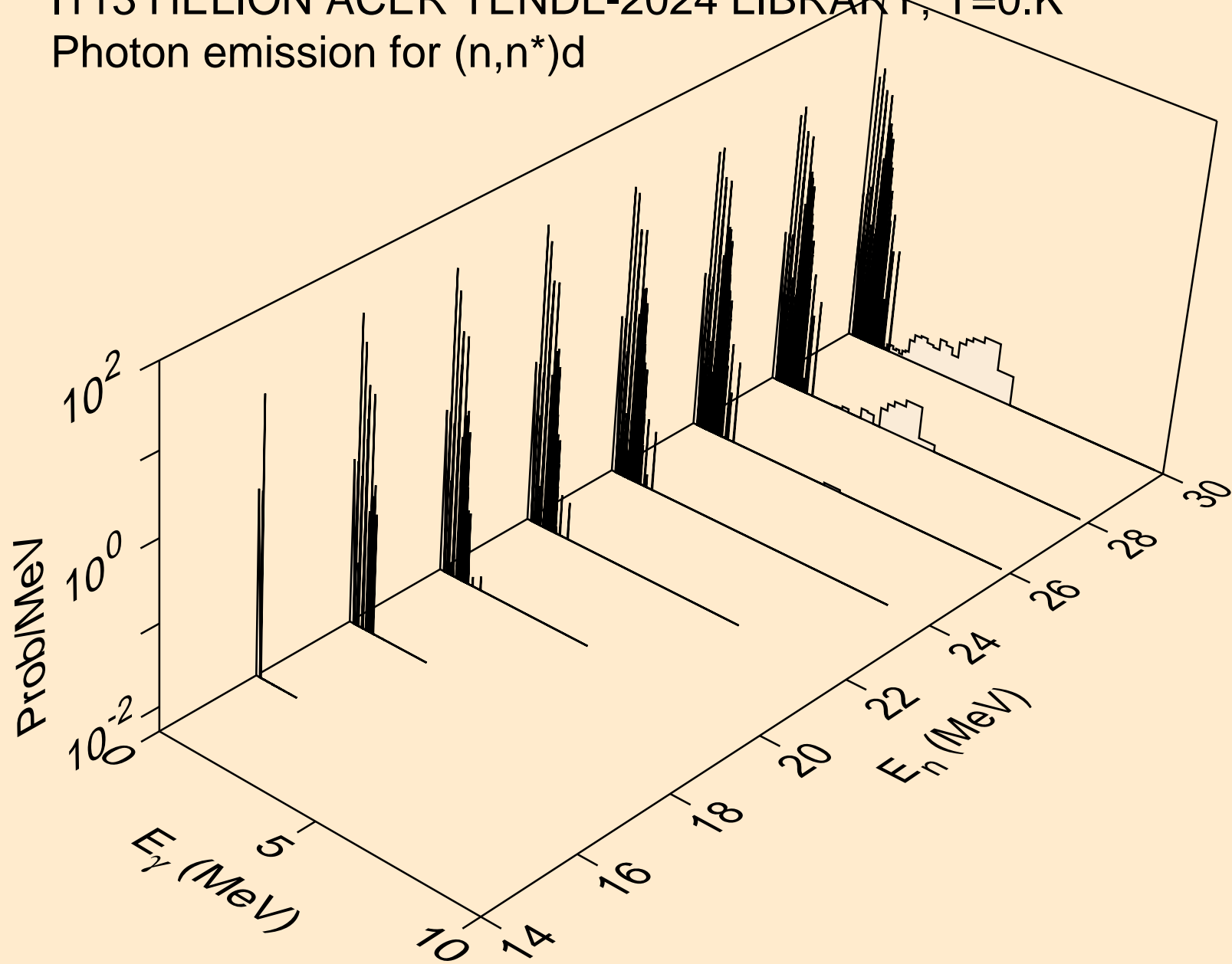
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



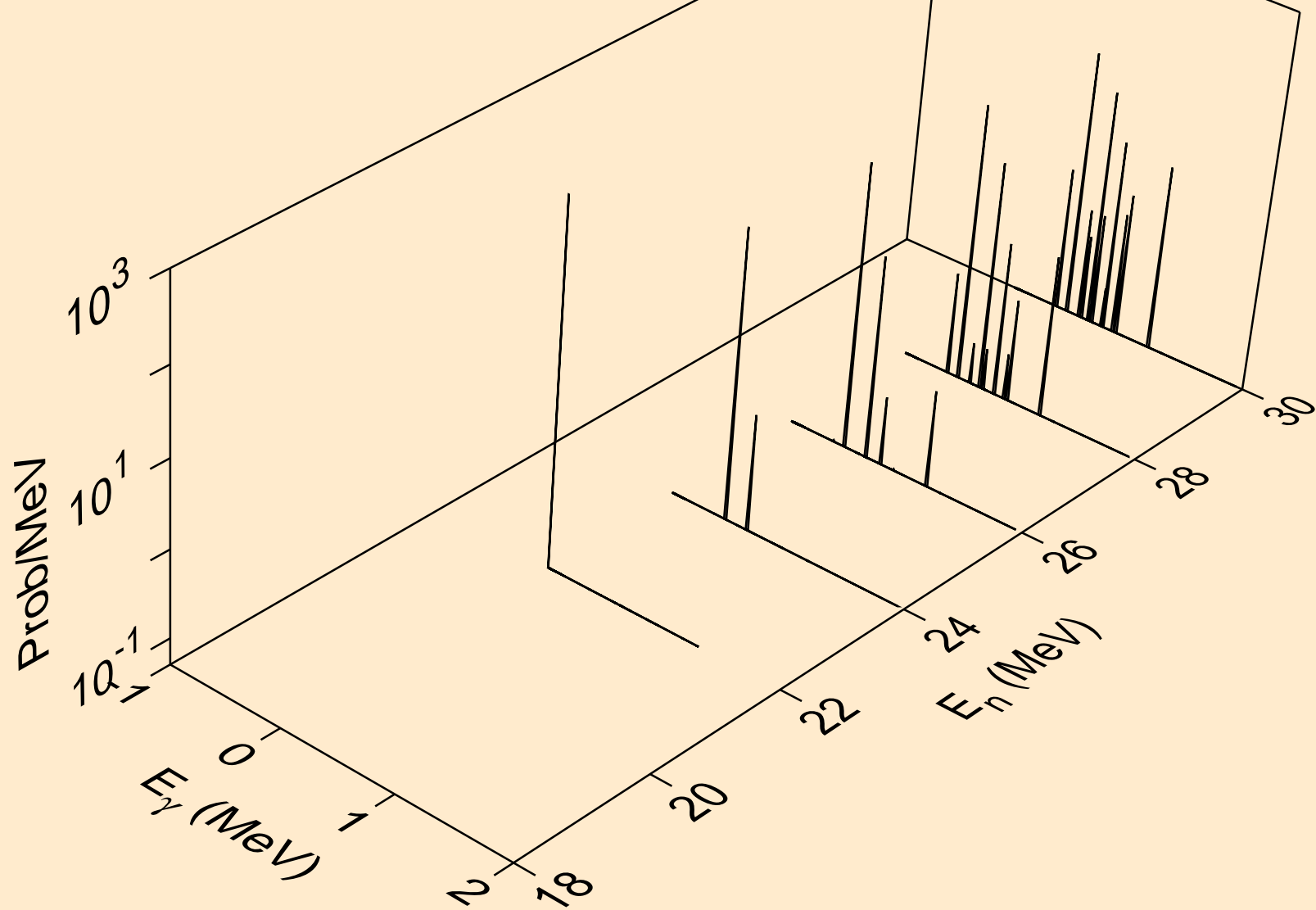
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



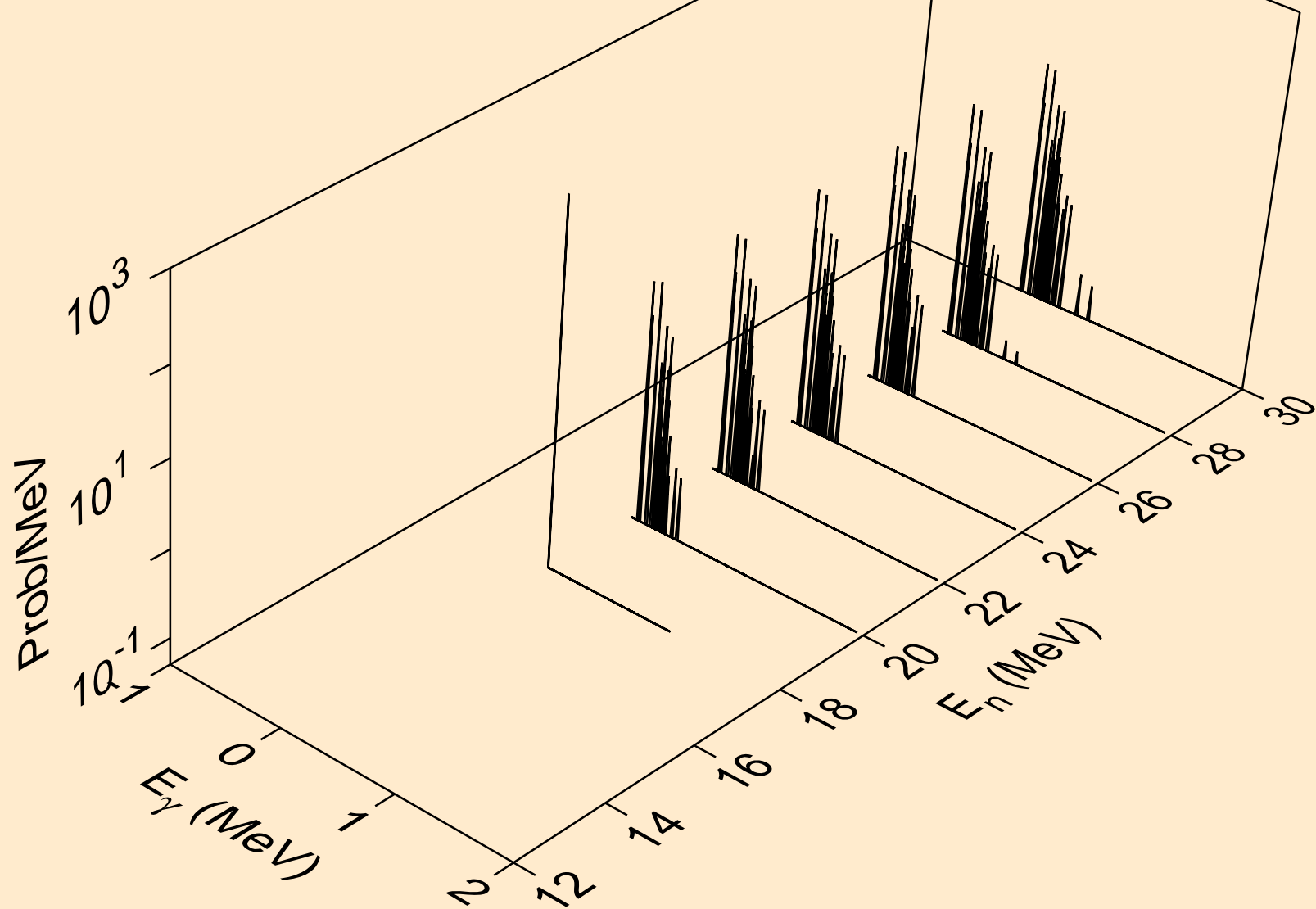
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



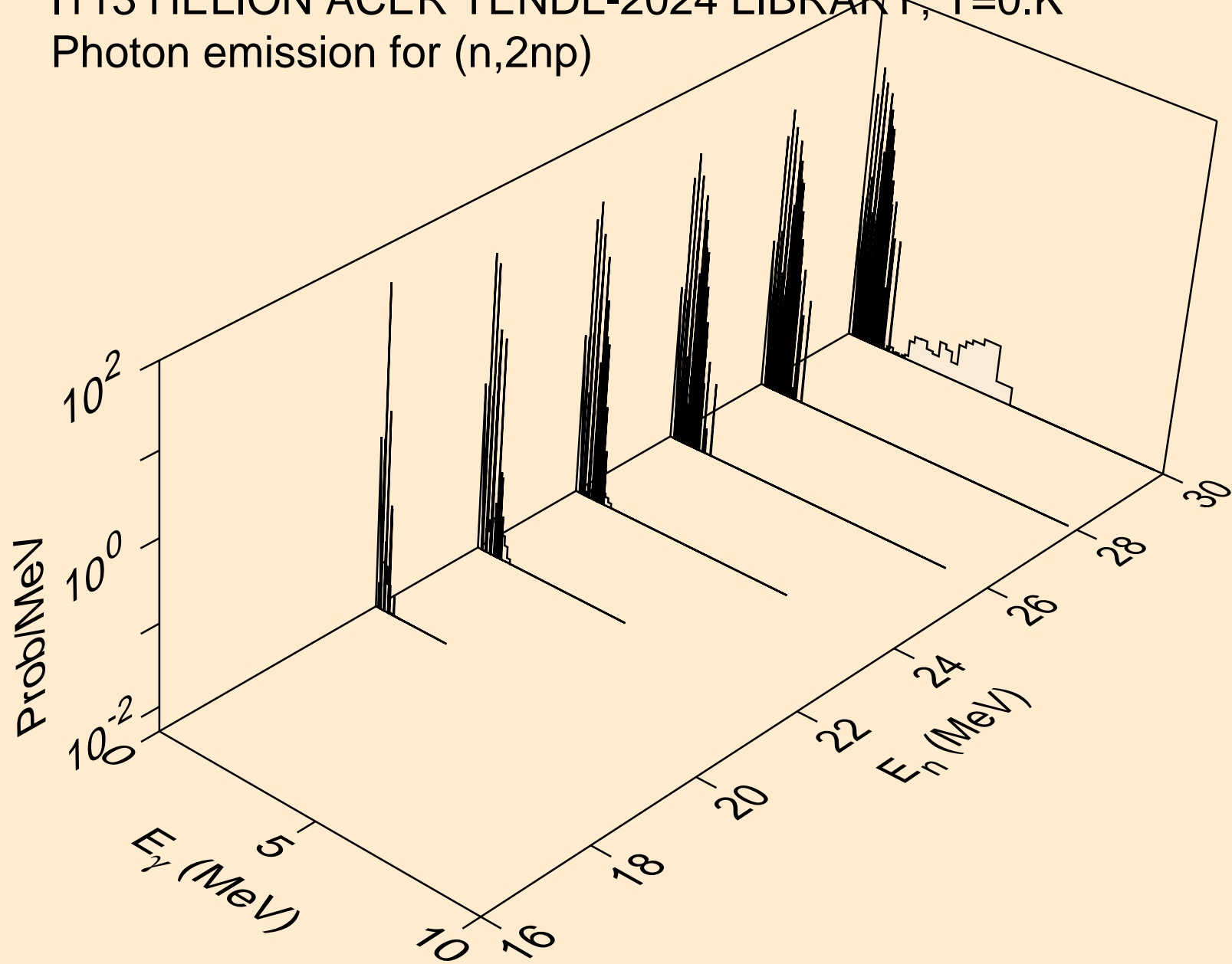
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



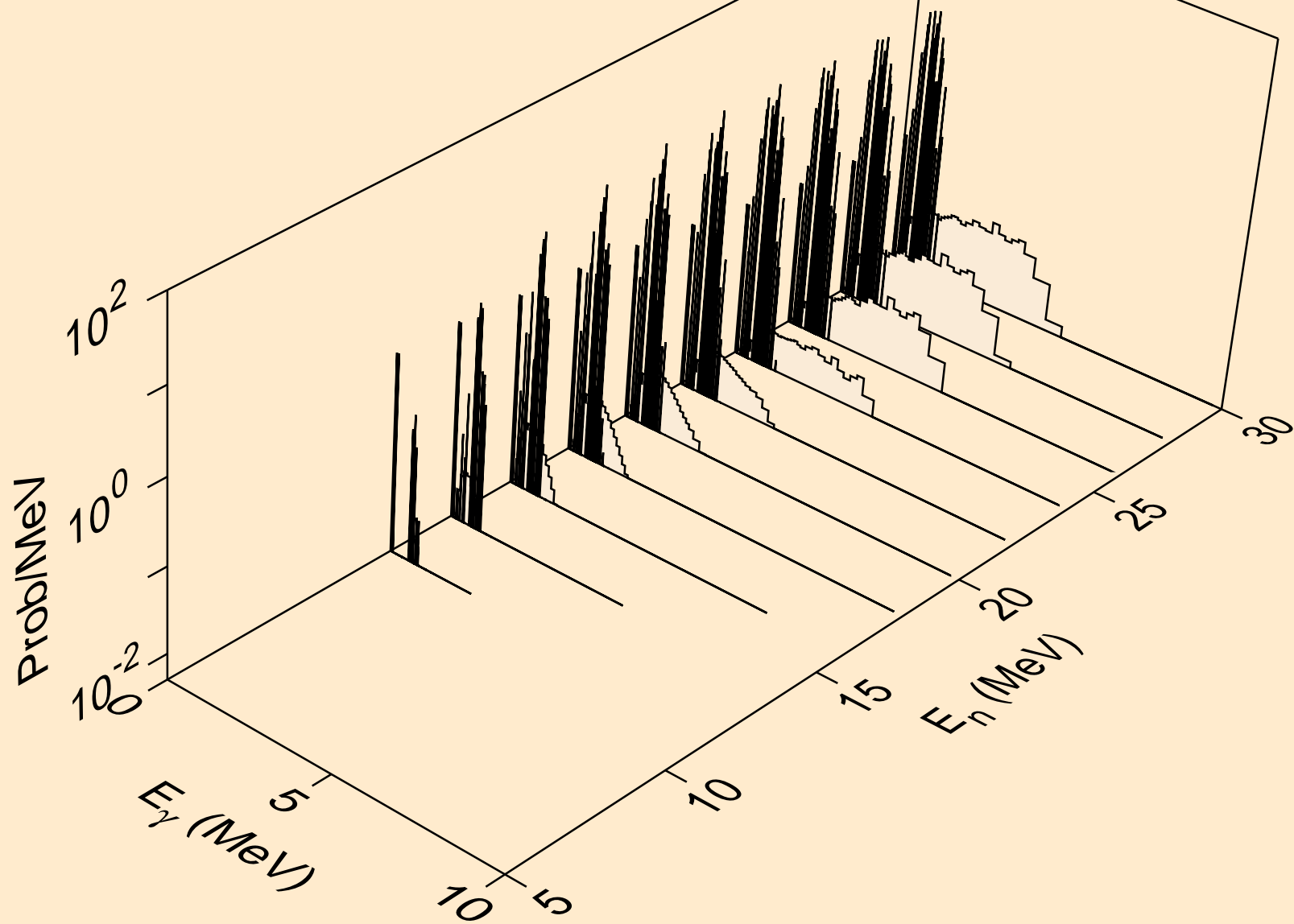
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



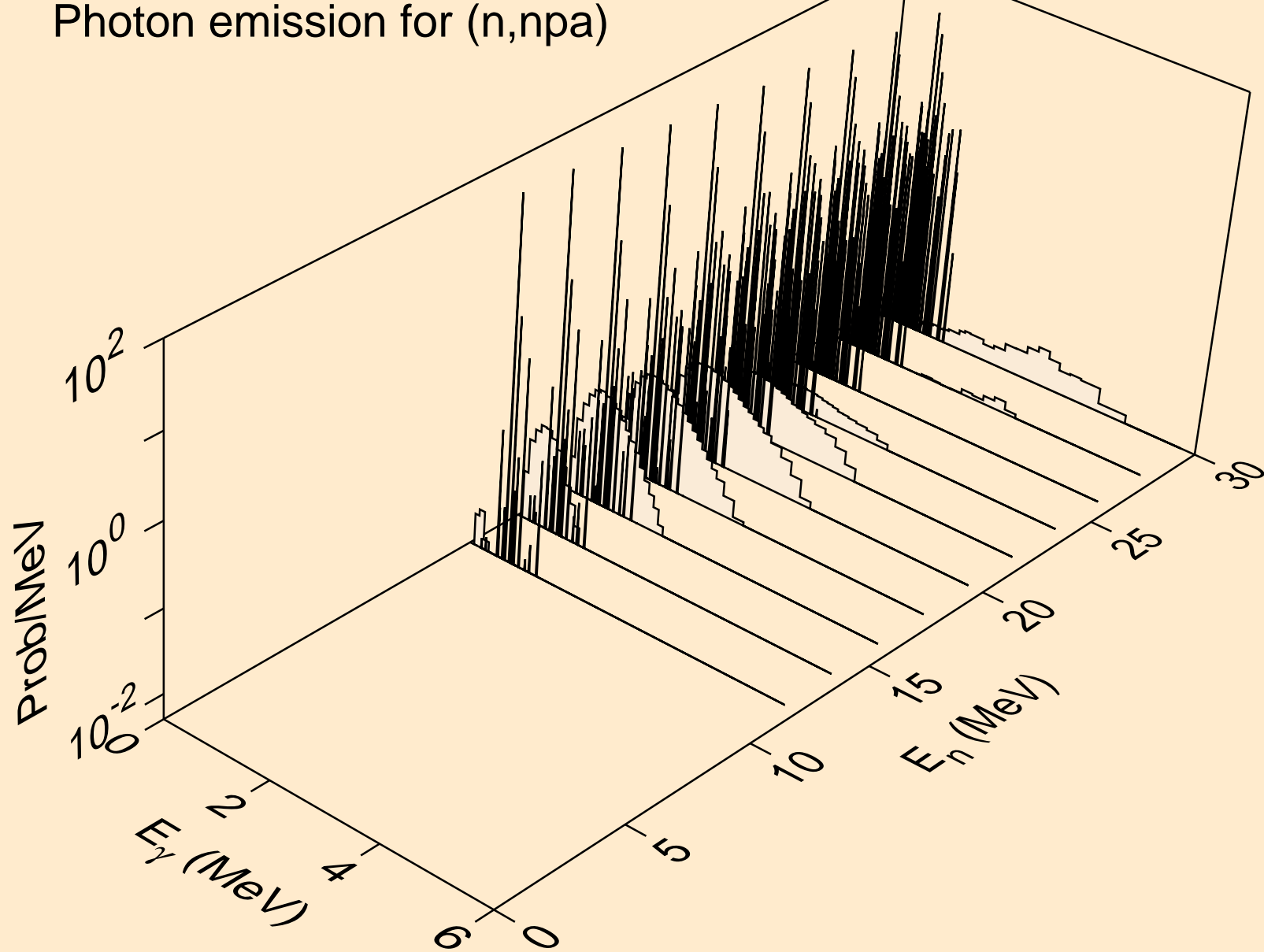
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



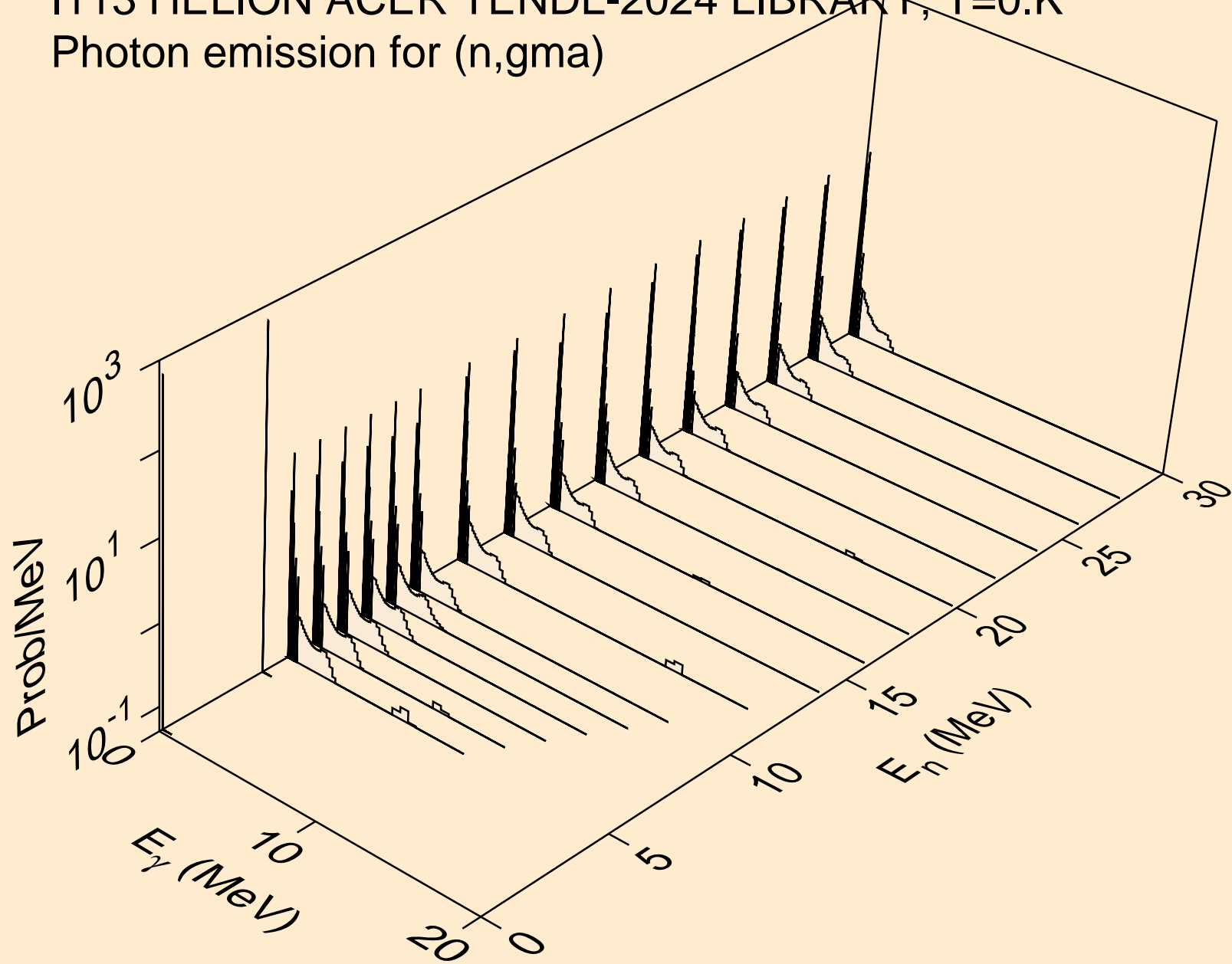
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



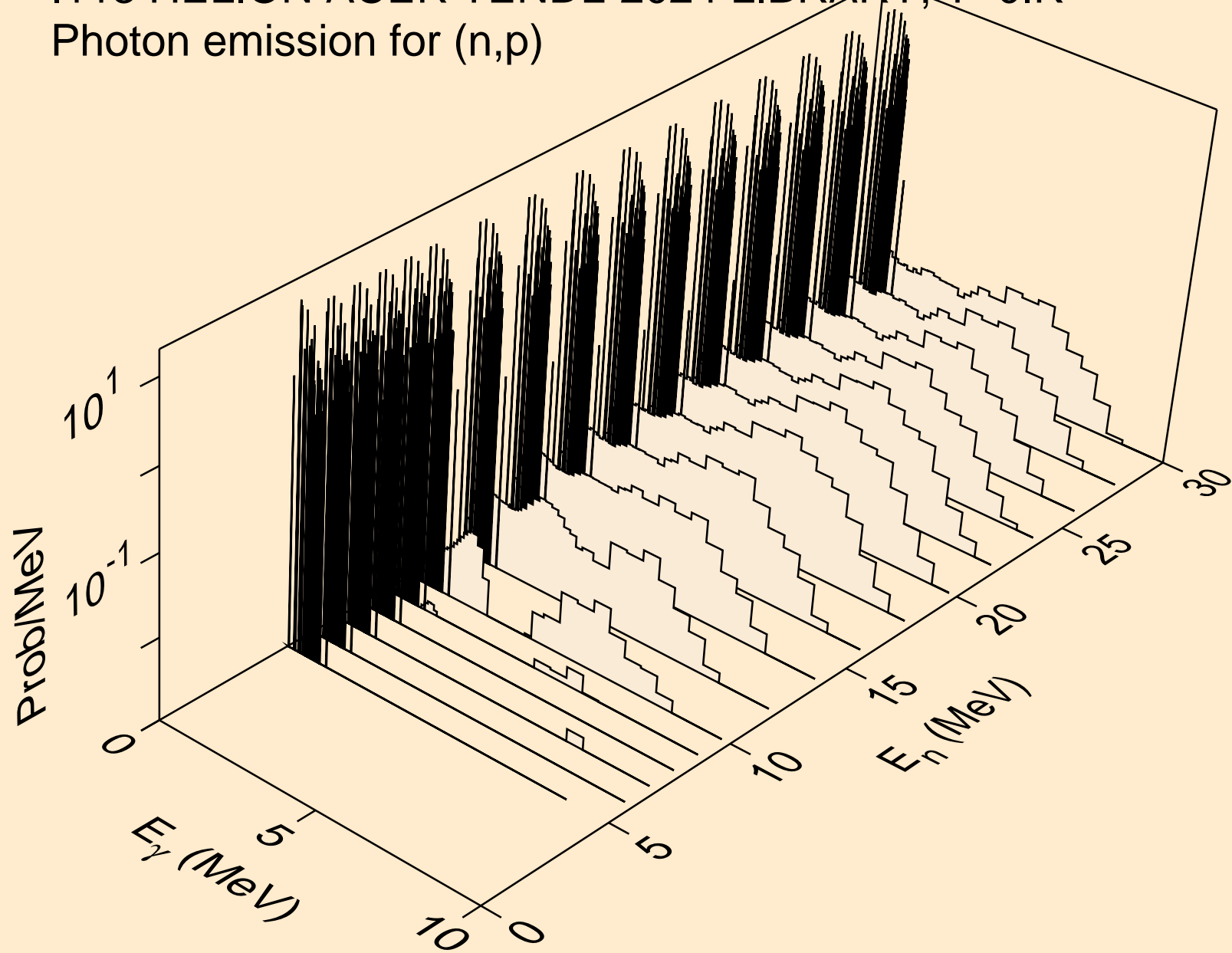
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



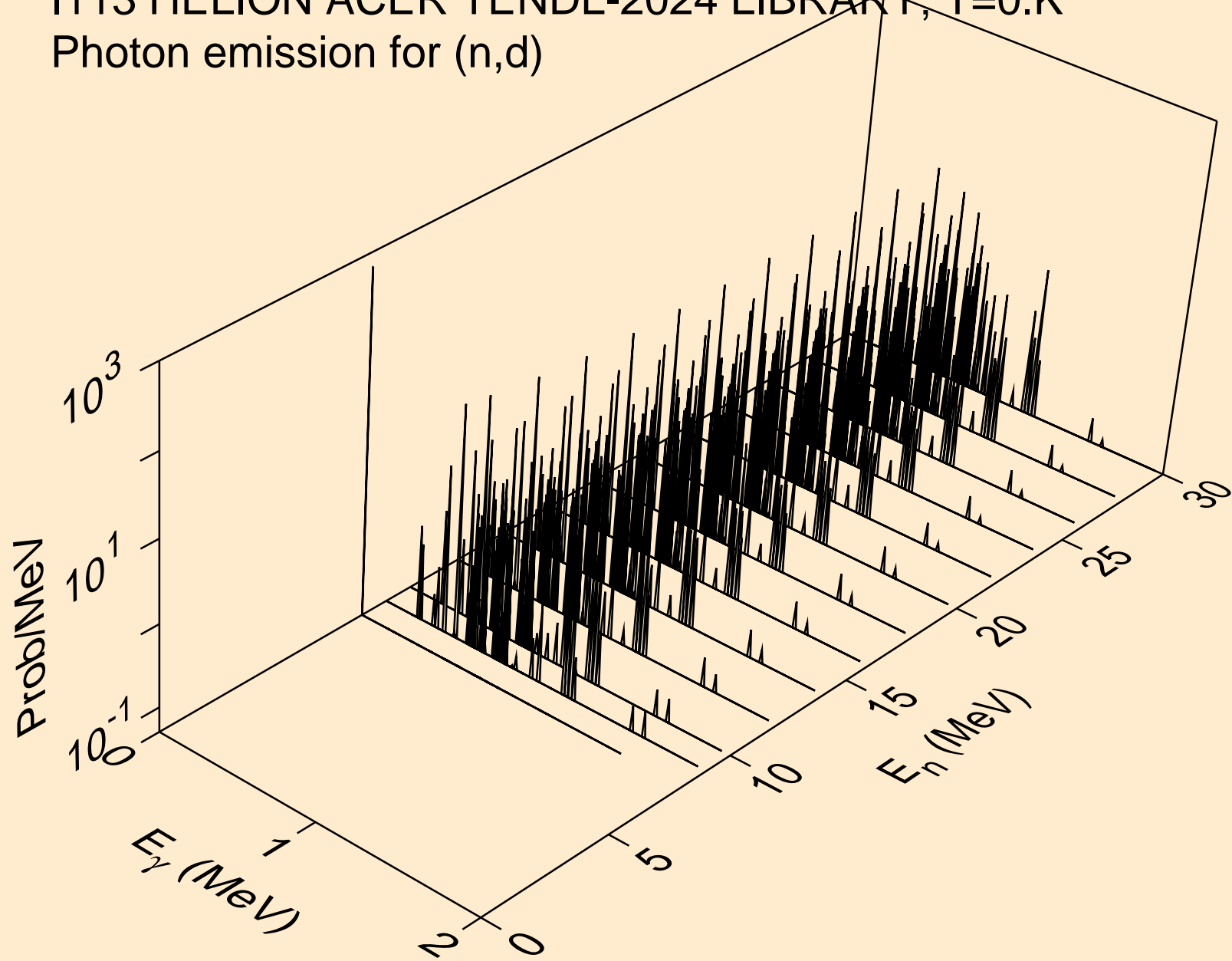
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



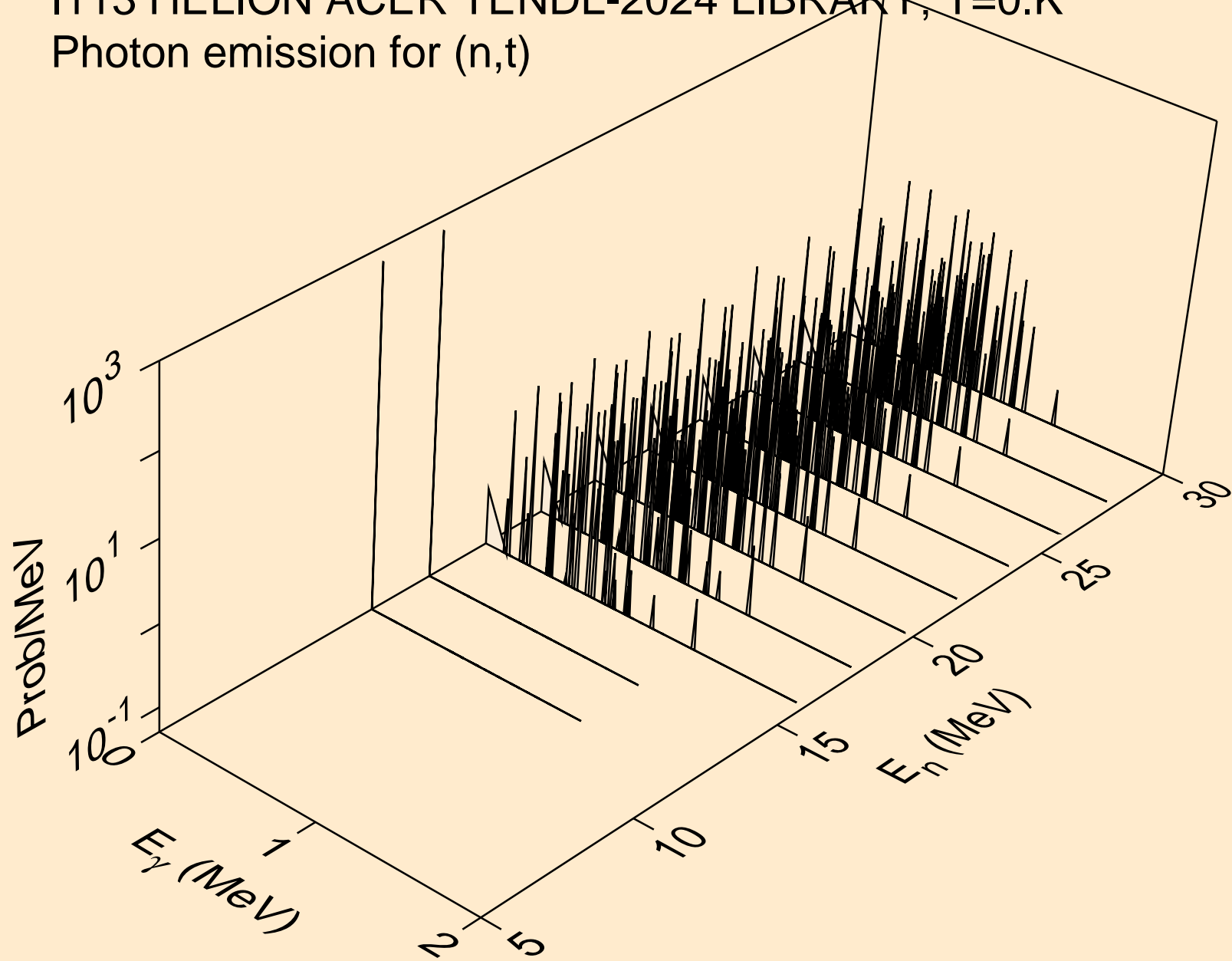
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



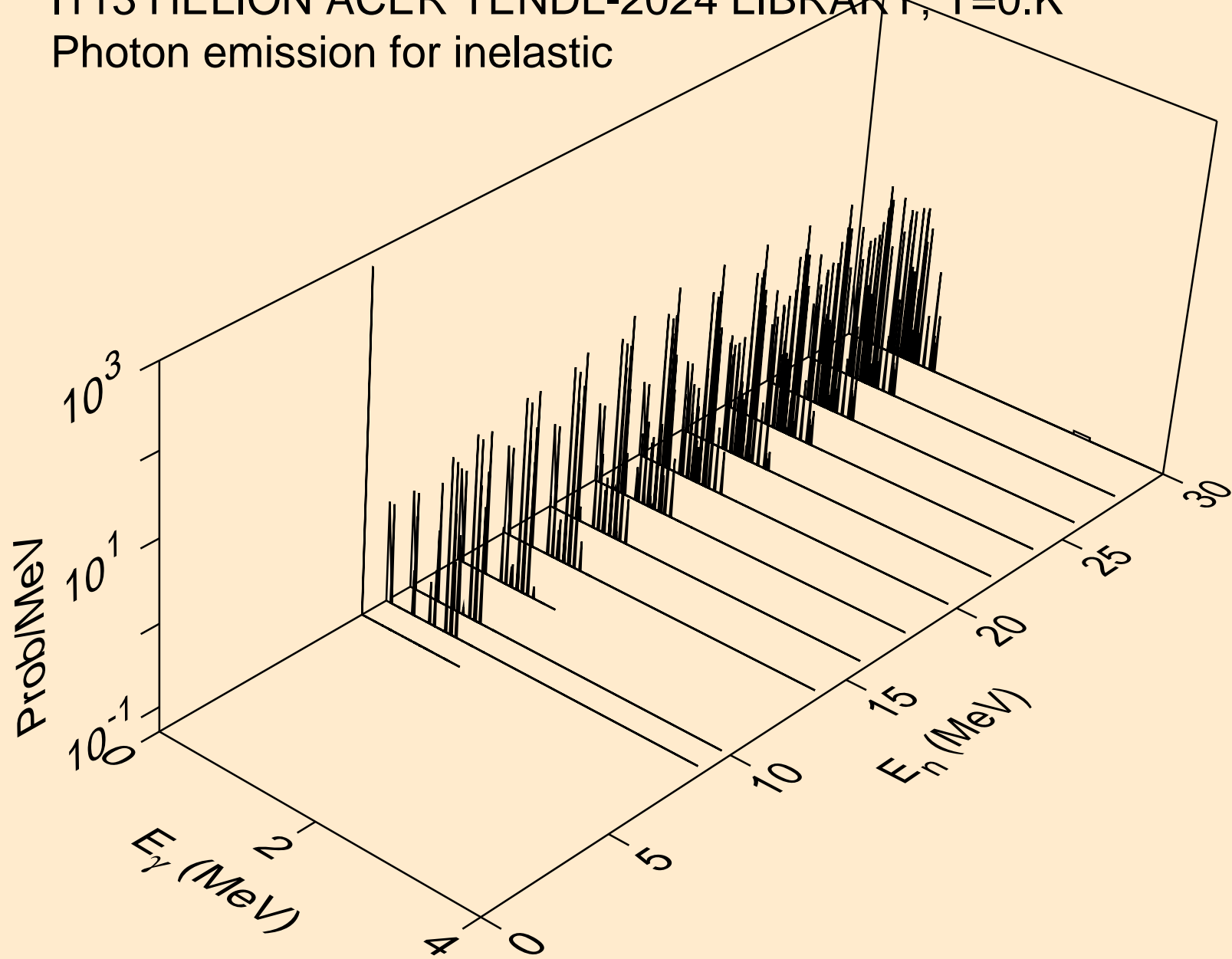
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



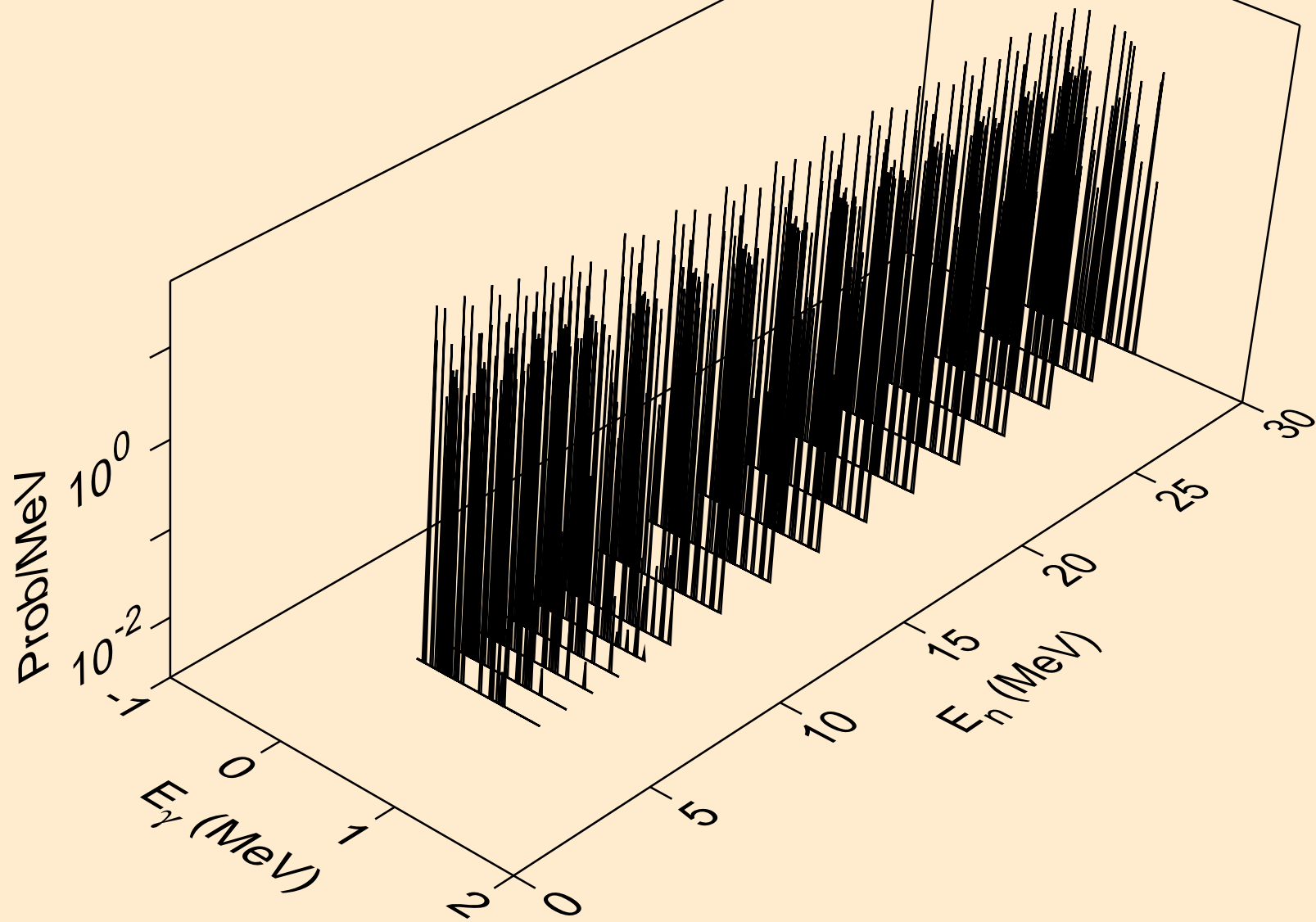
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



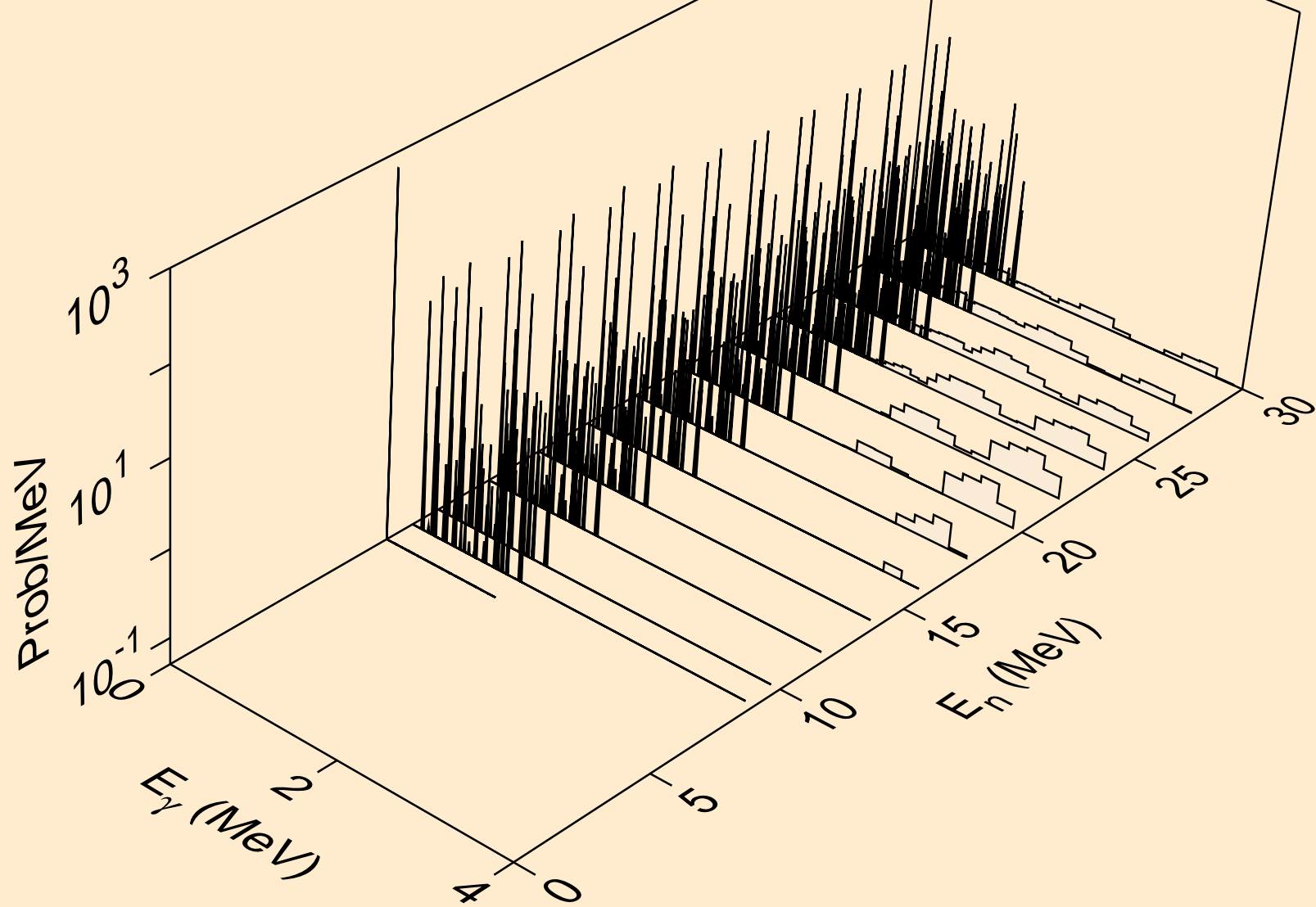
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for inelastic



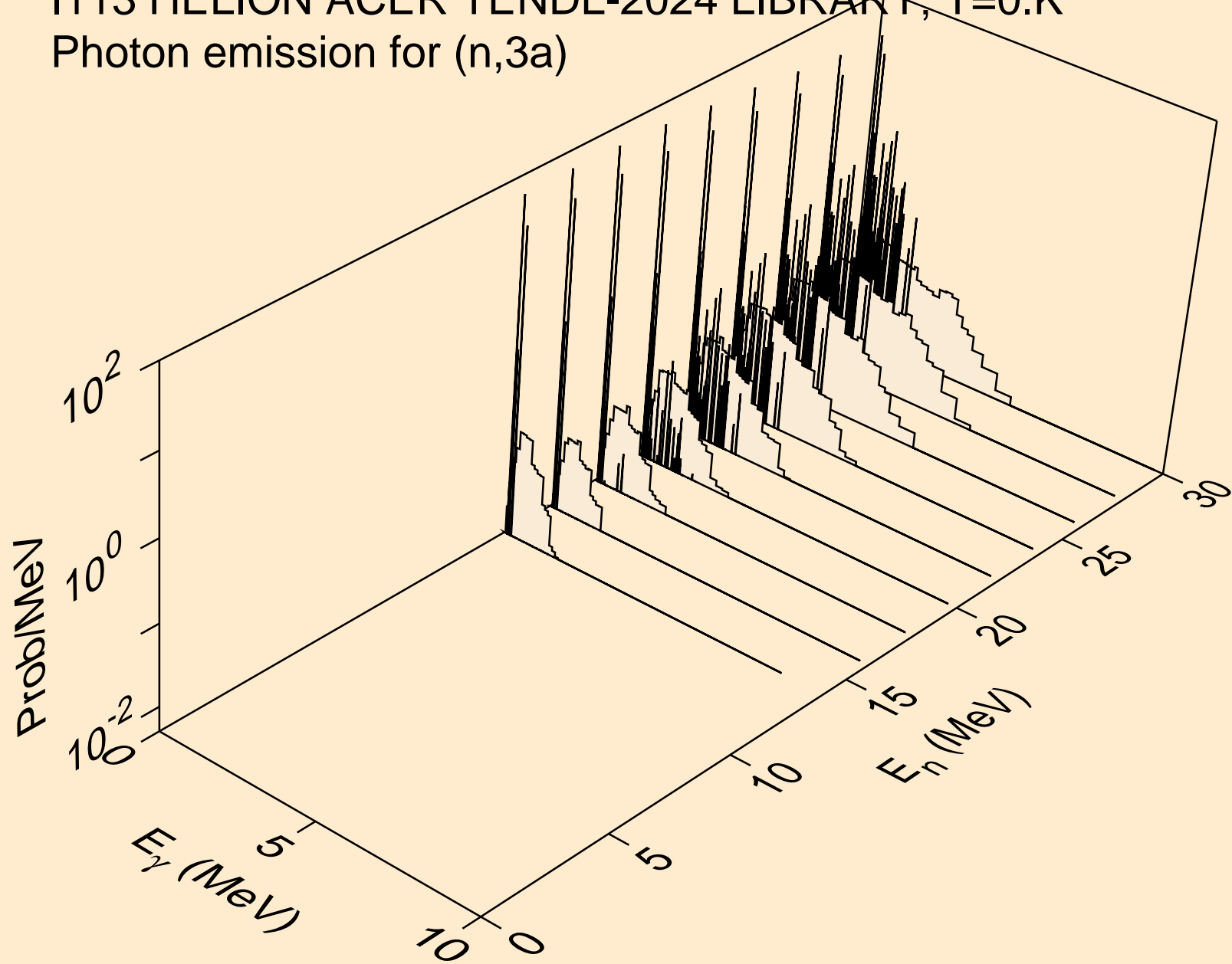
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



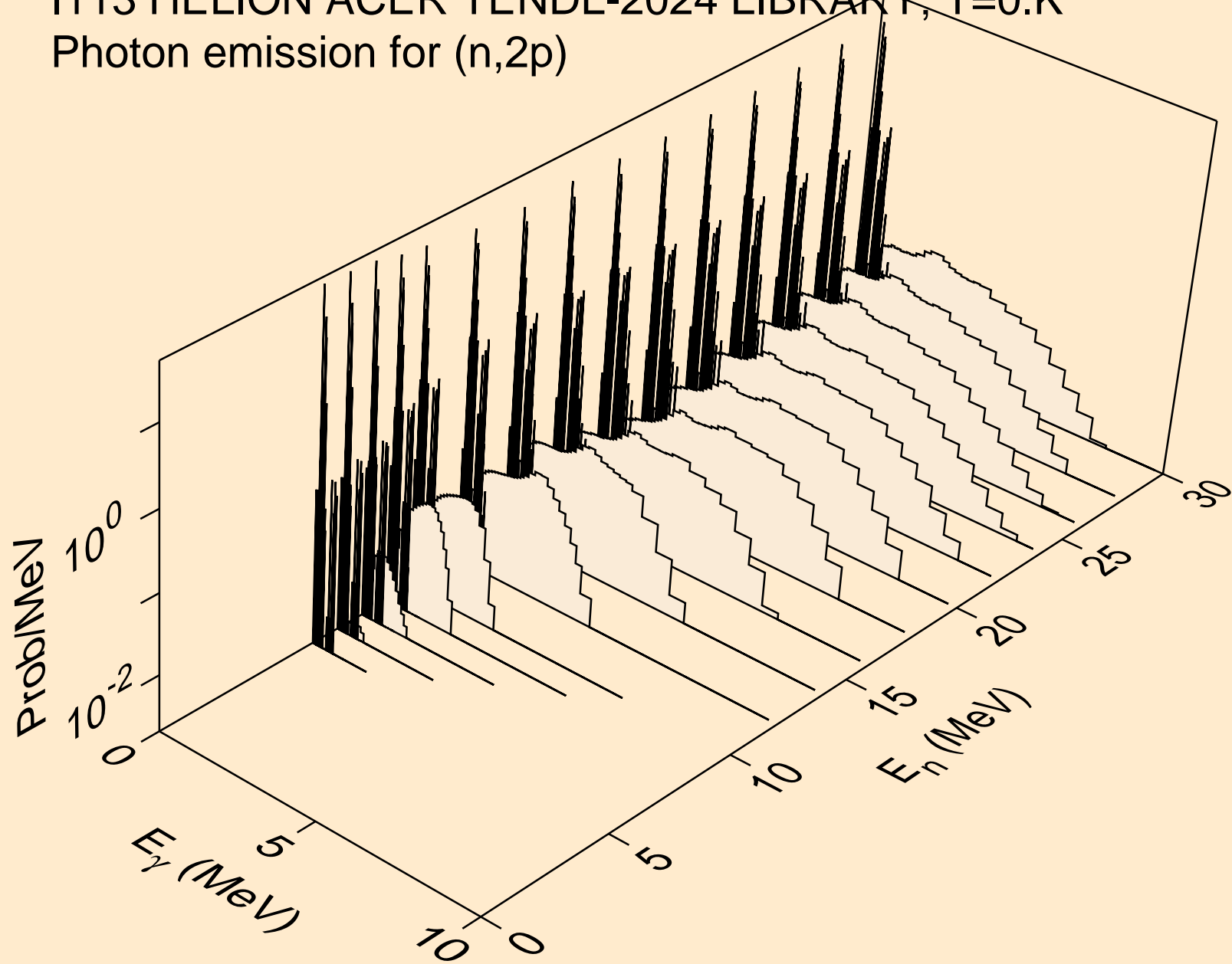
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



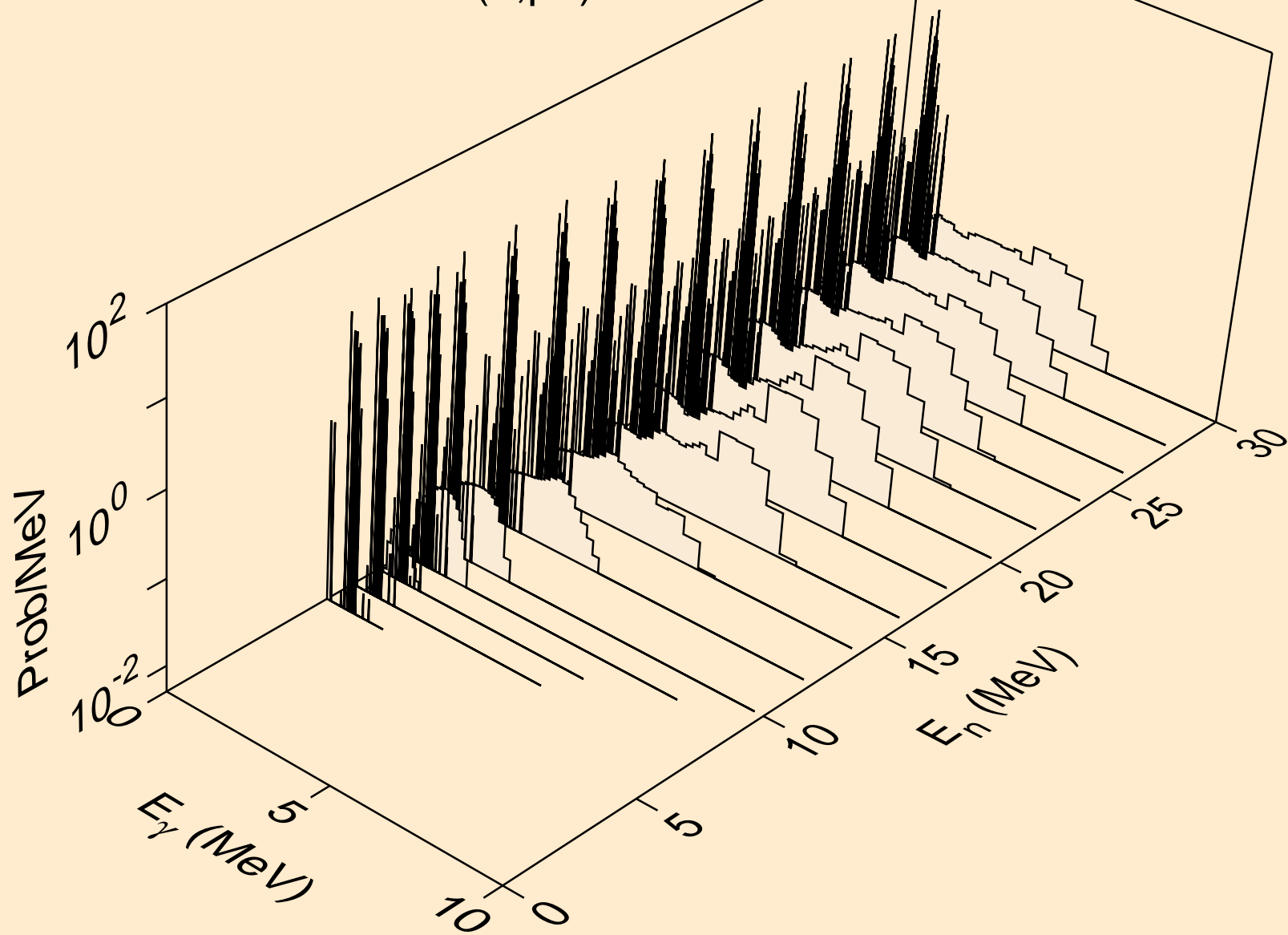
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3a)



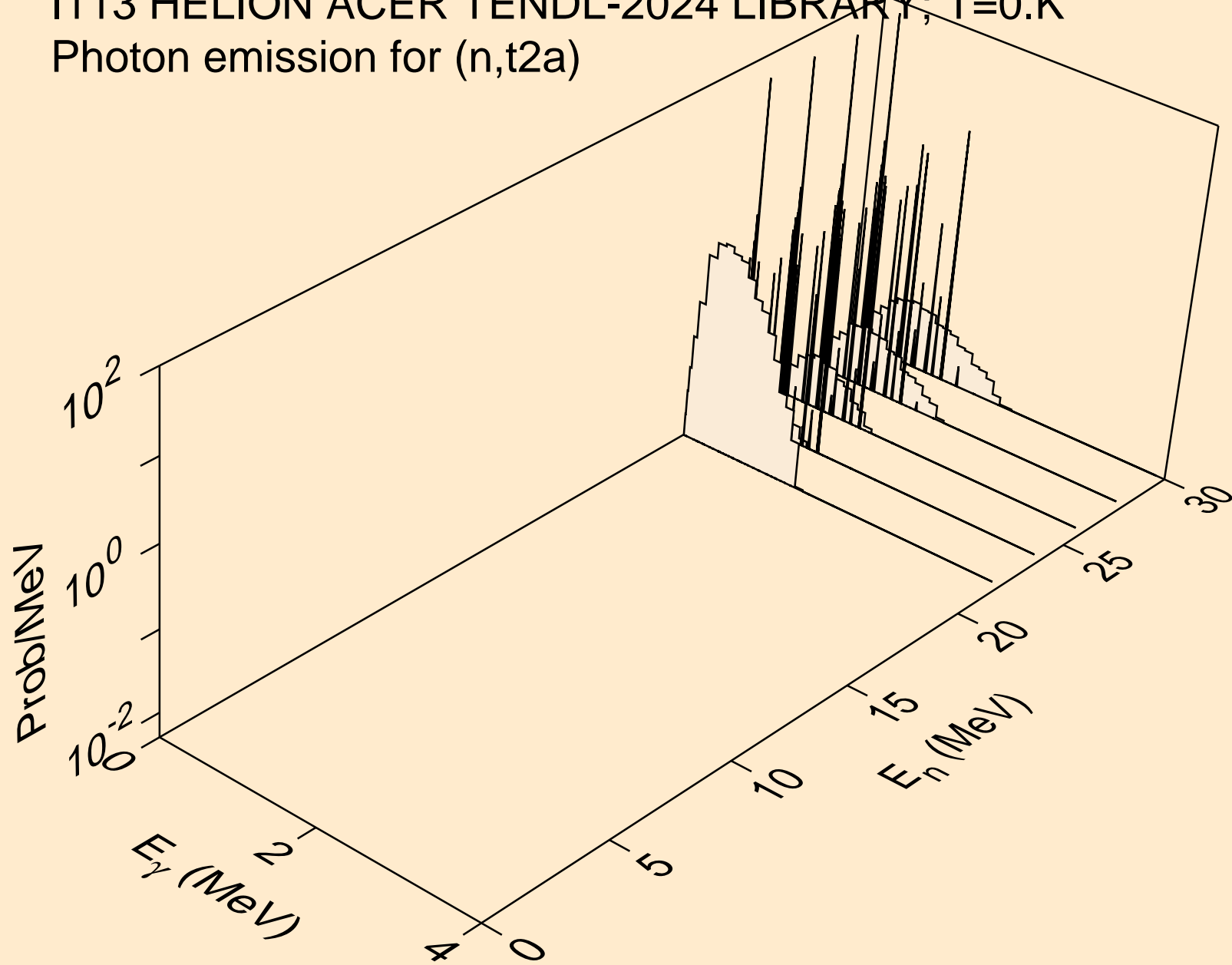
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



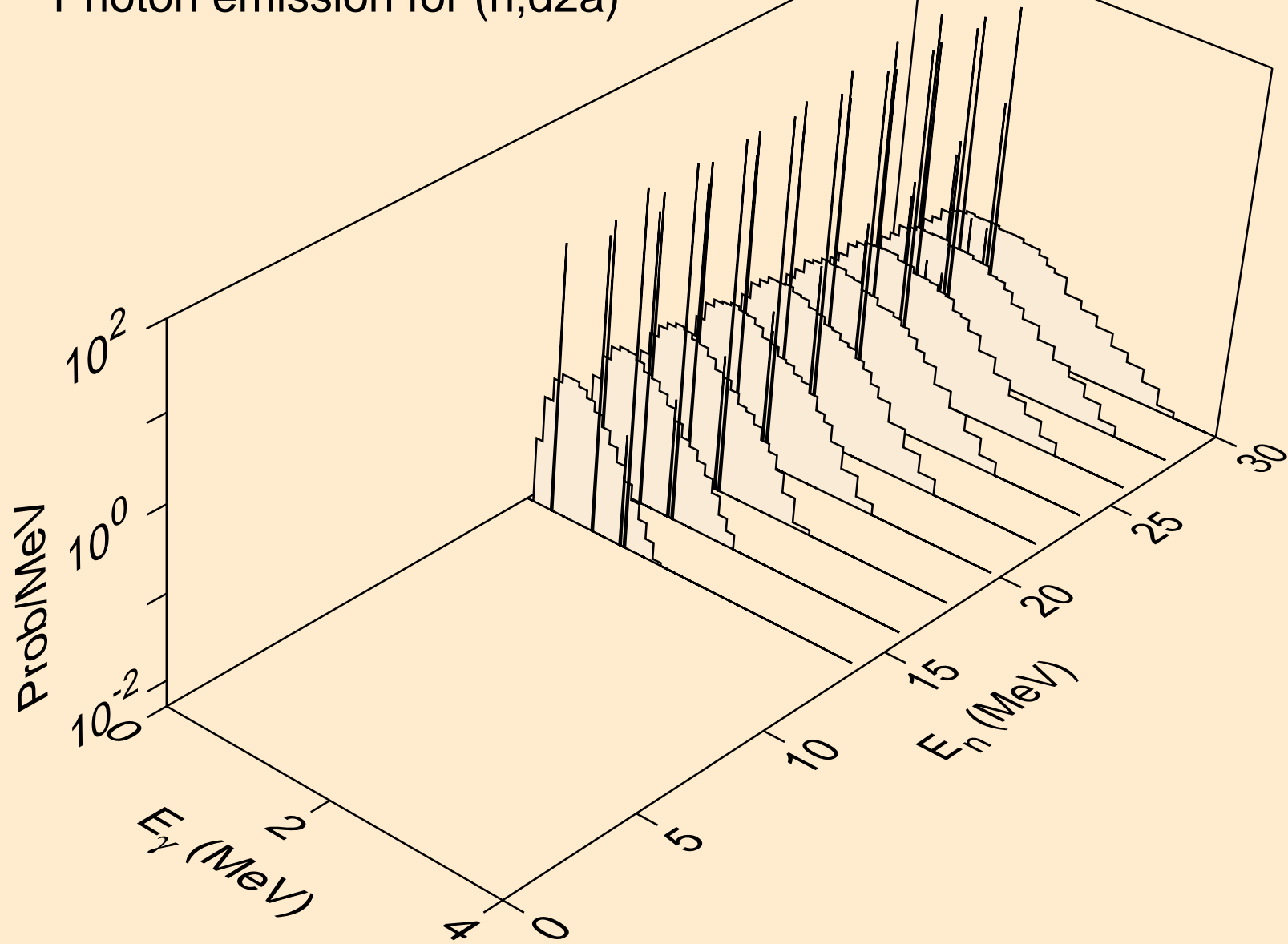
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pa)



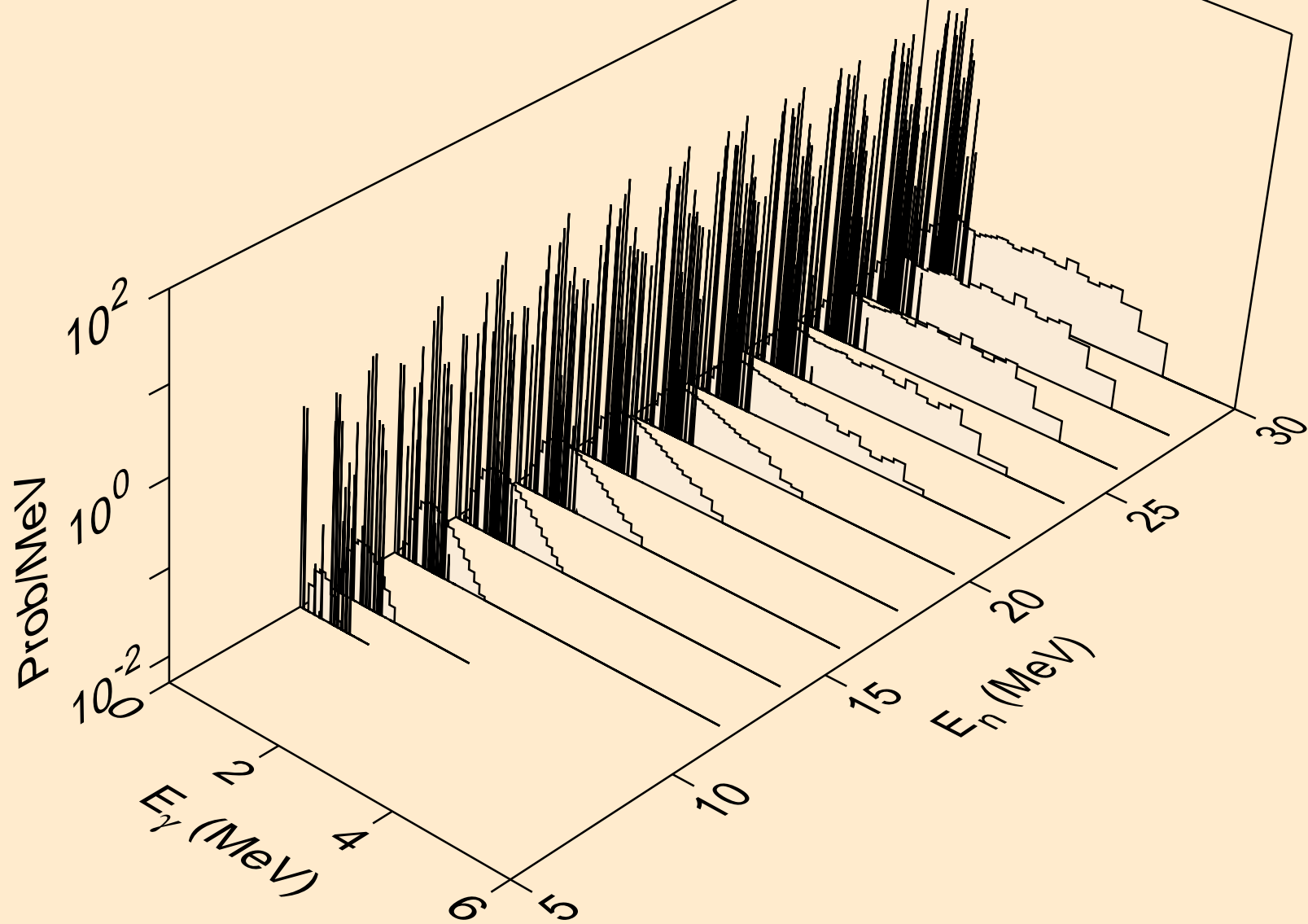
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t2a)



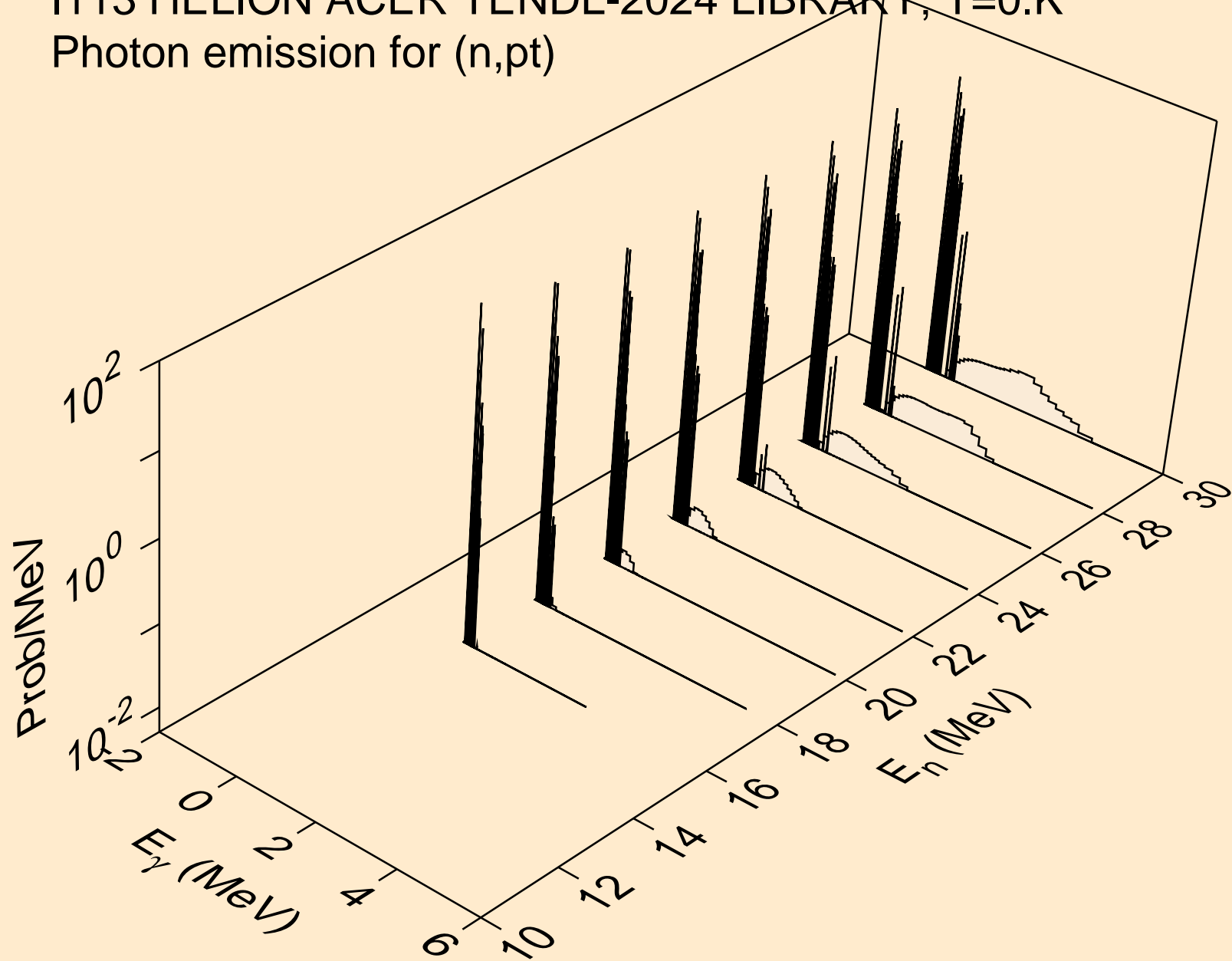
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d2a)



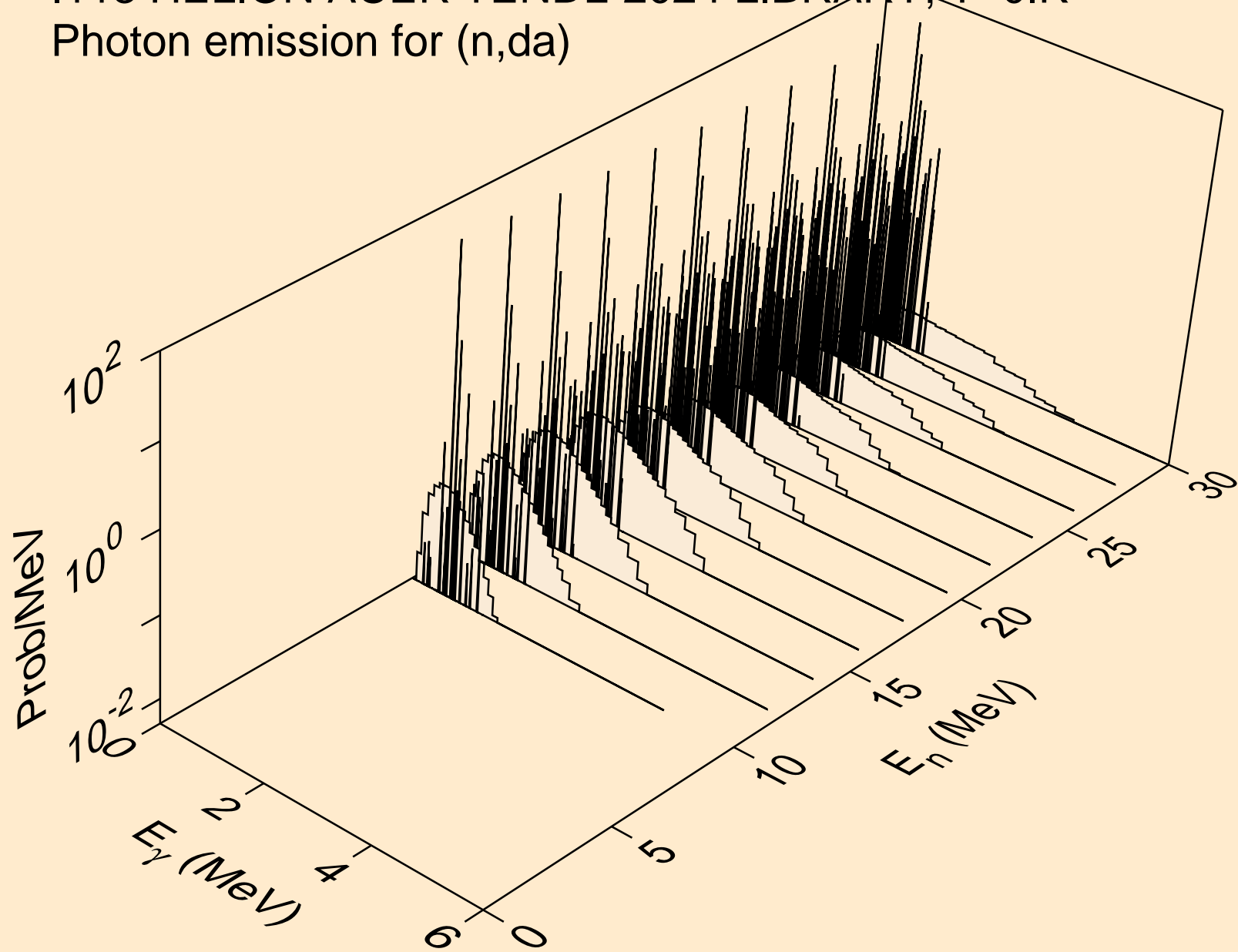
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)

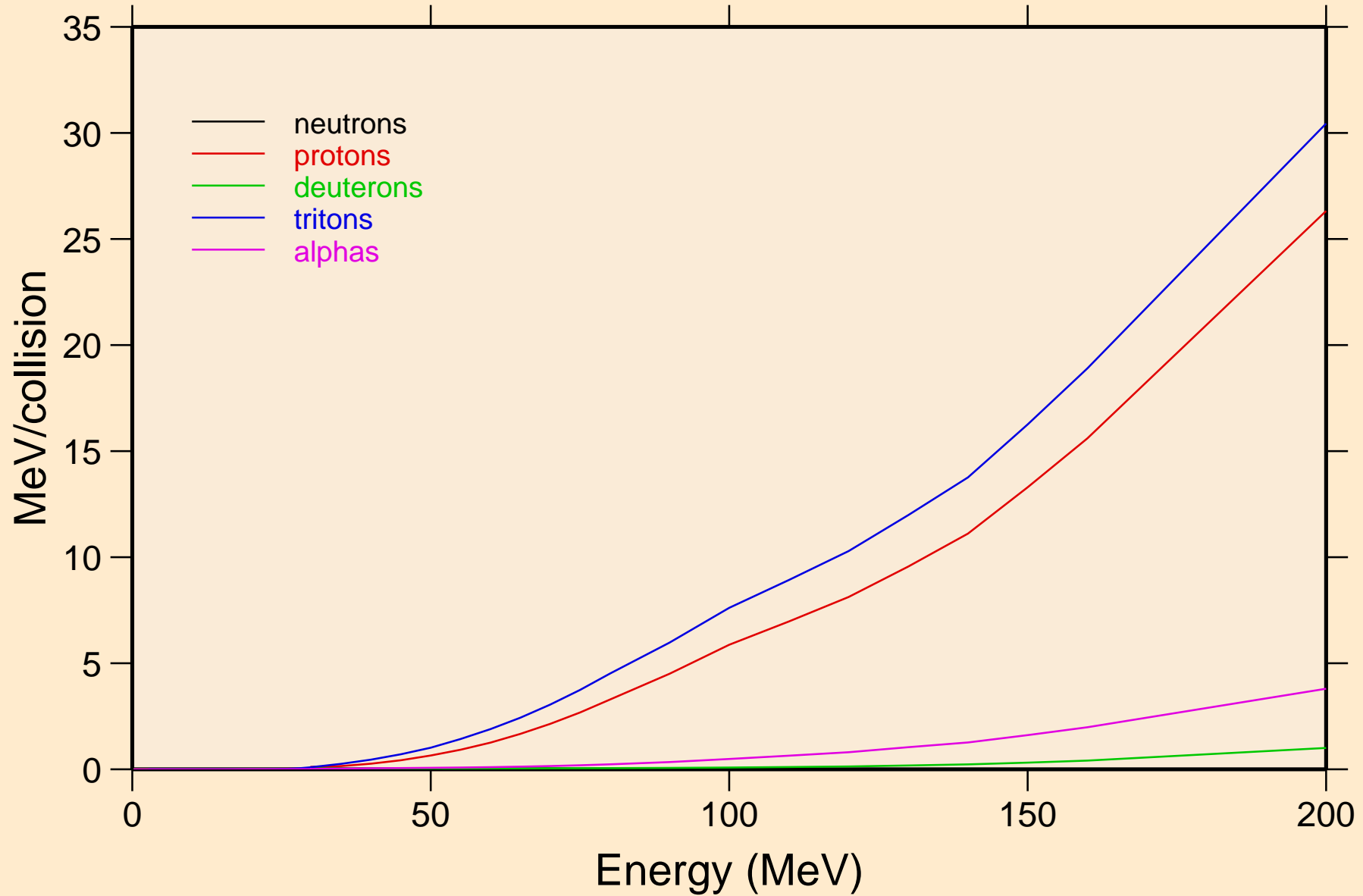


I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)

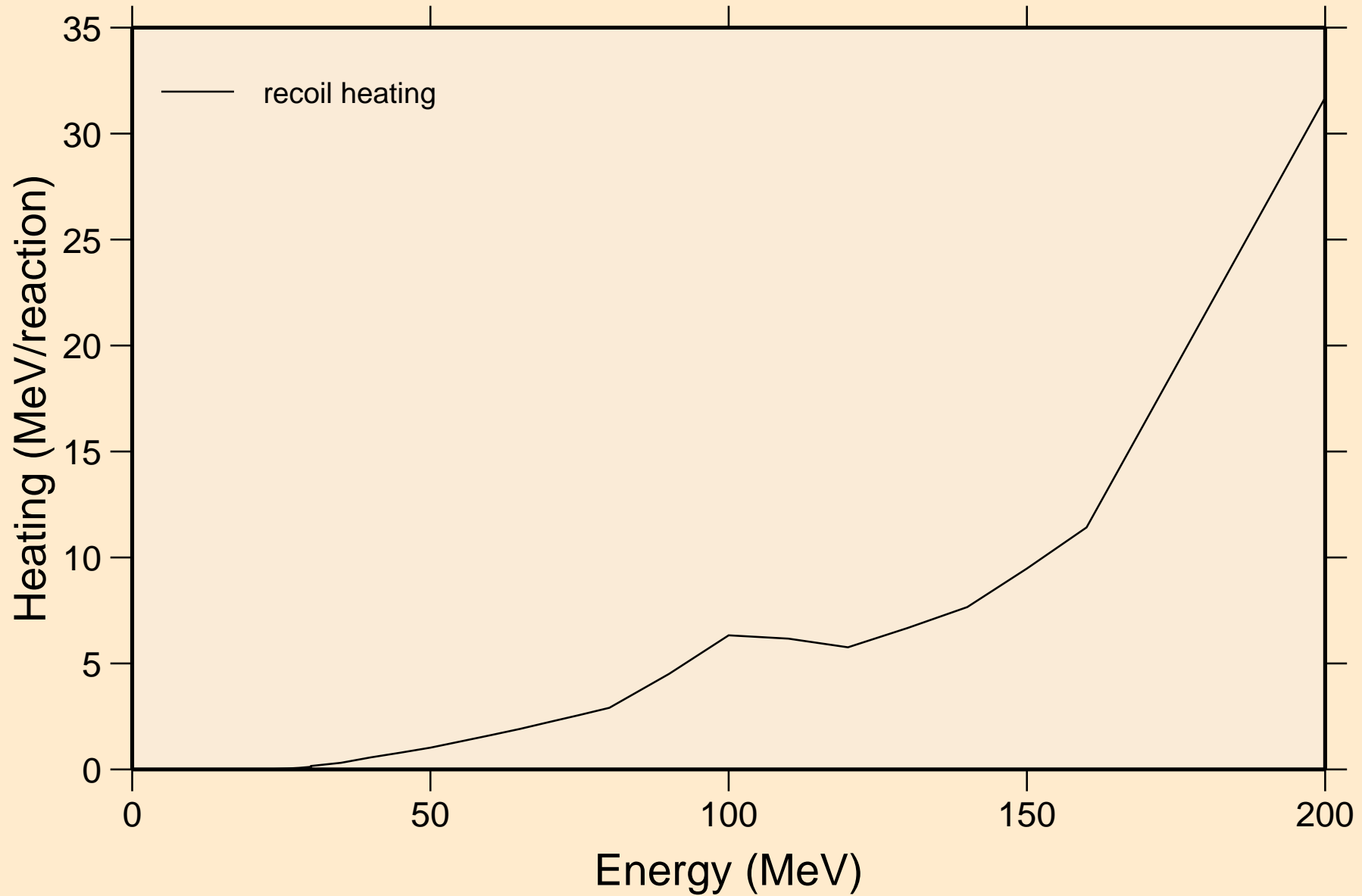


# I113 HELION ACER TENDL-2024 LIBRARY; T=0.K

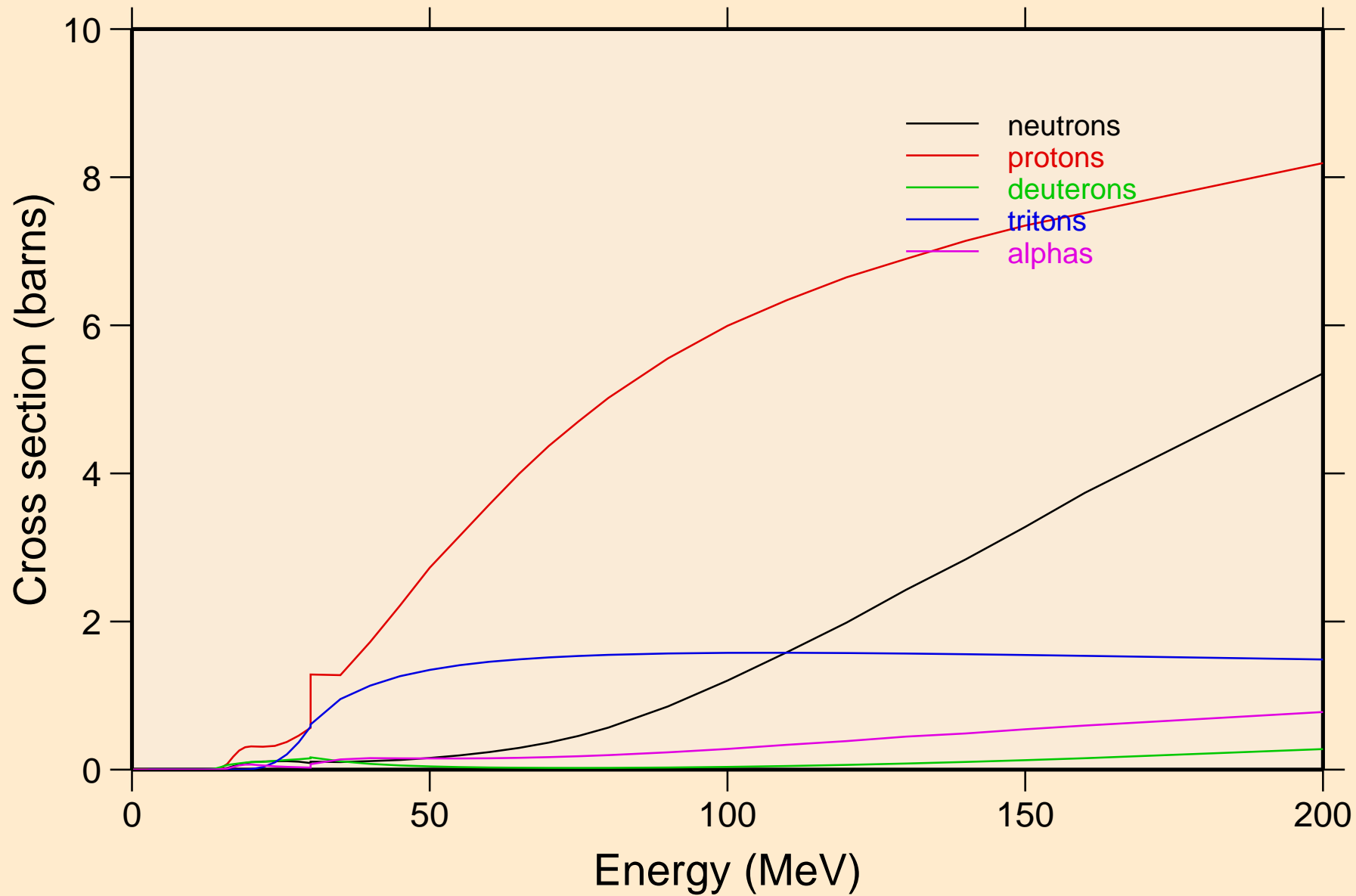
## Particle heating contributions



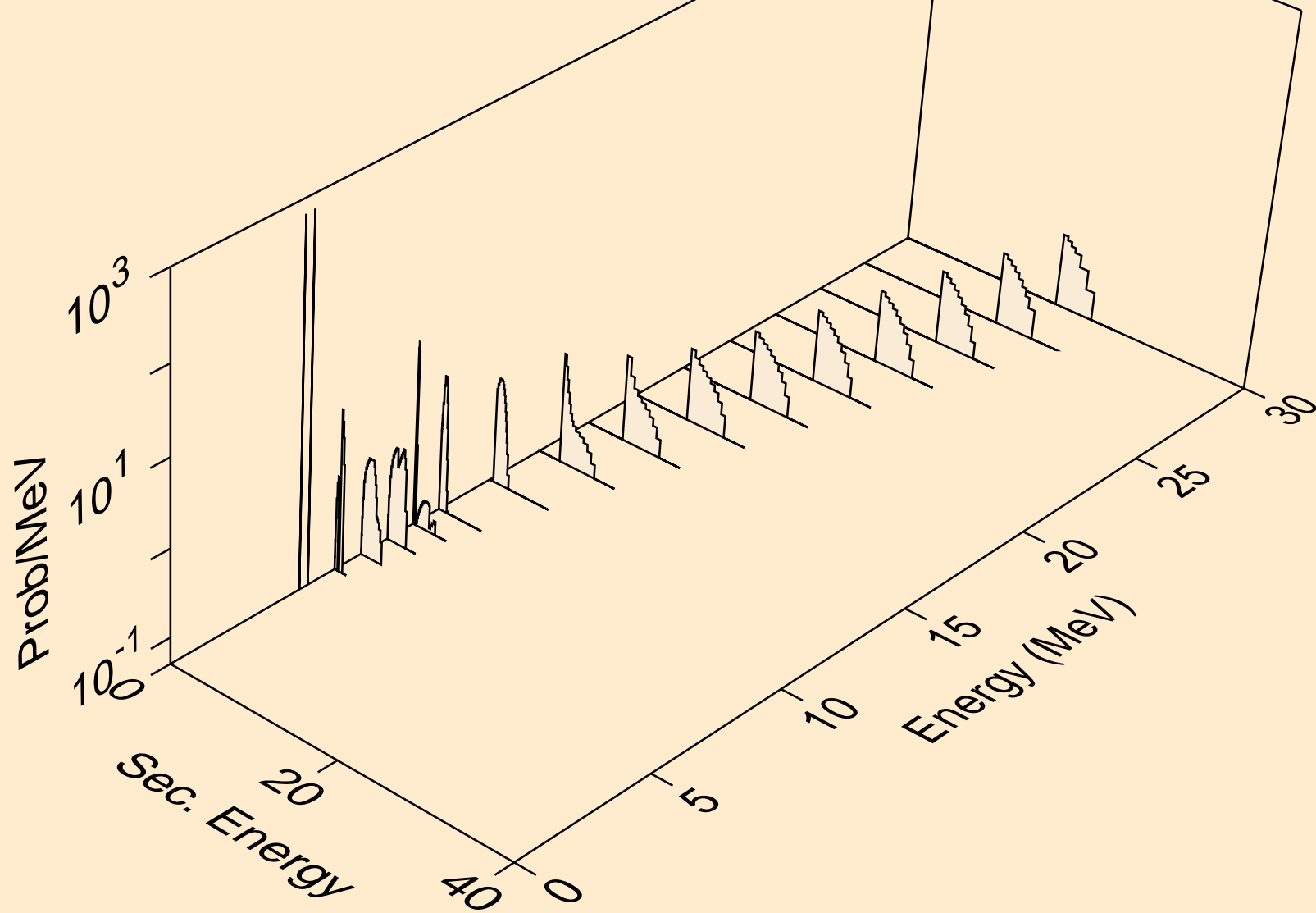
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating



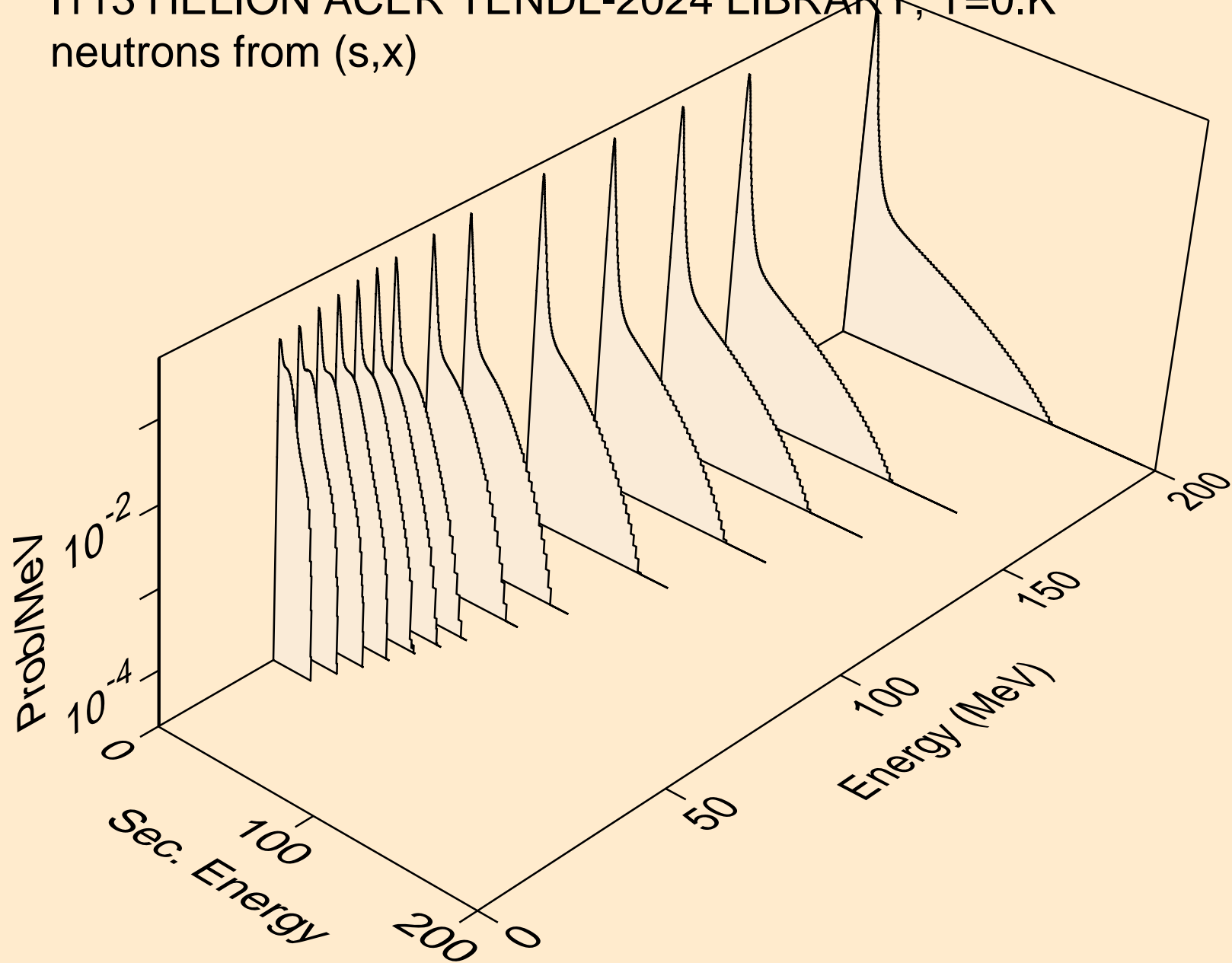
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections



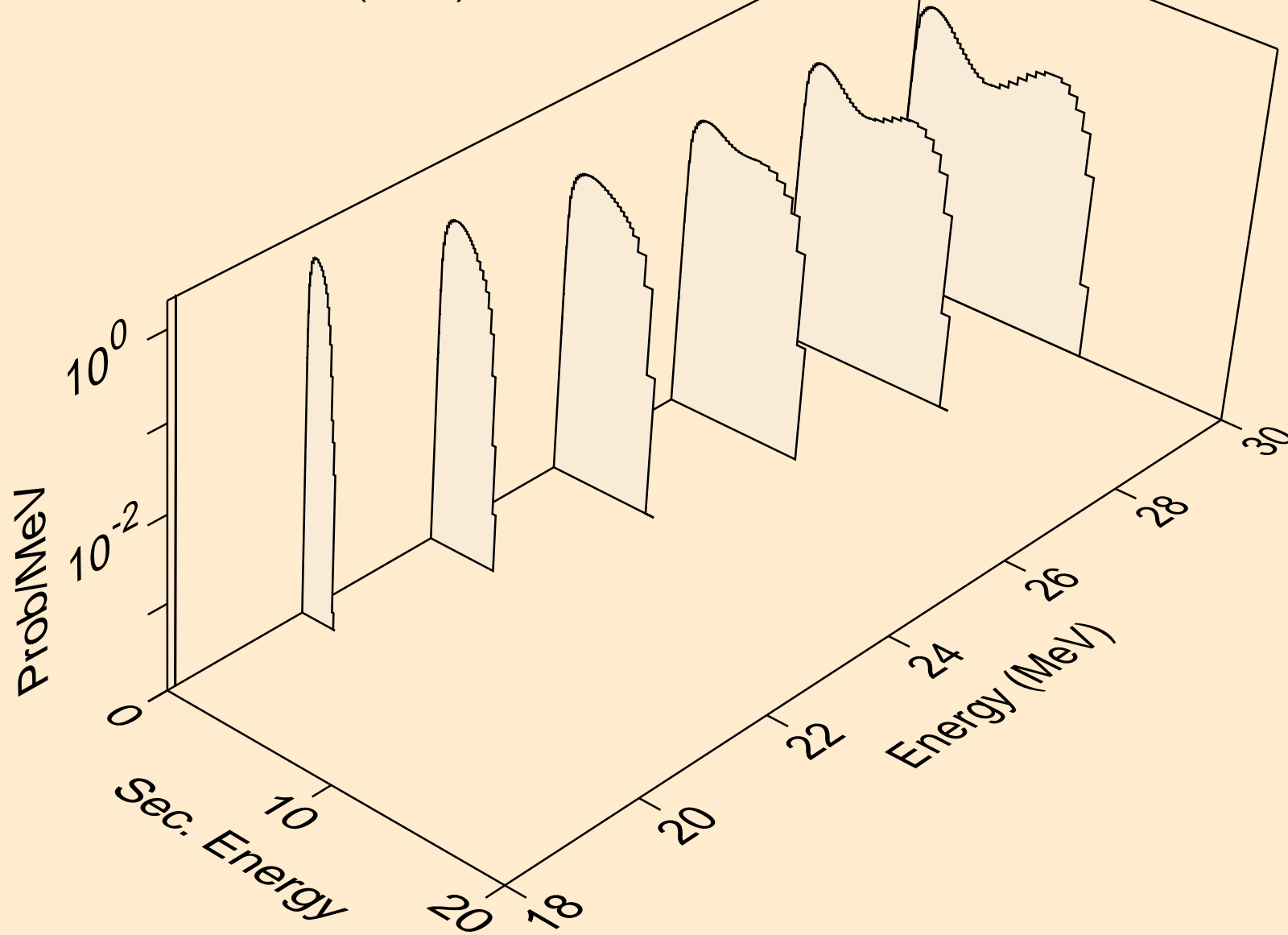
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n)



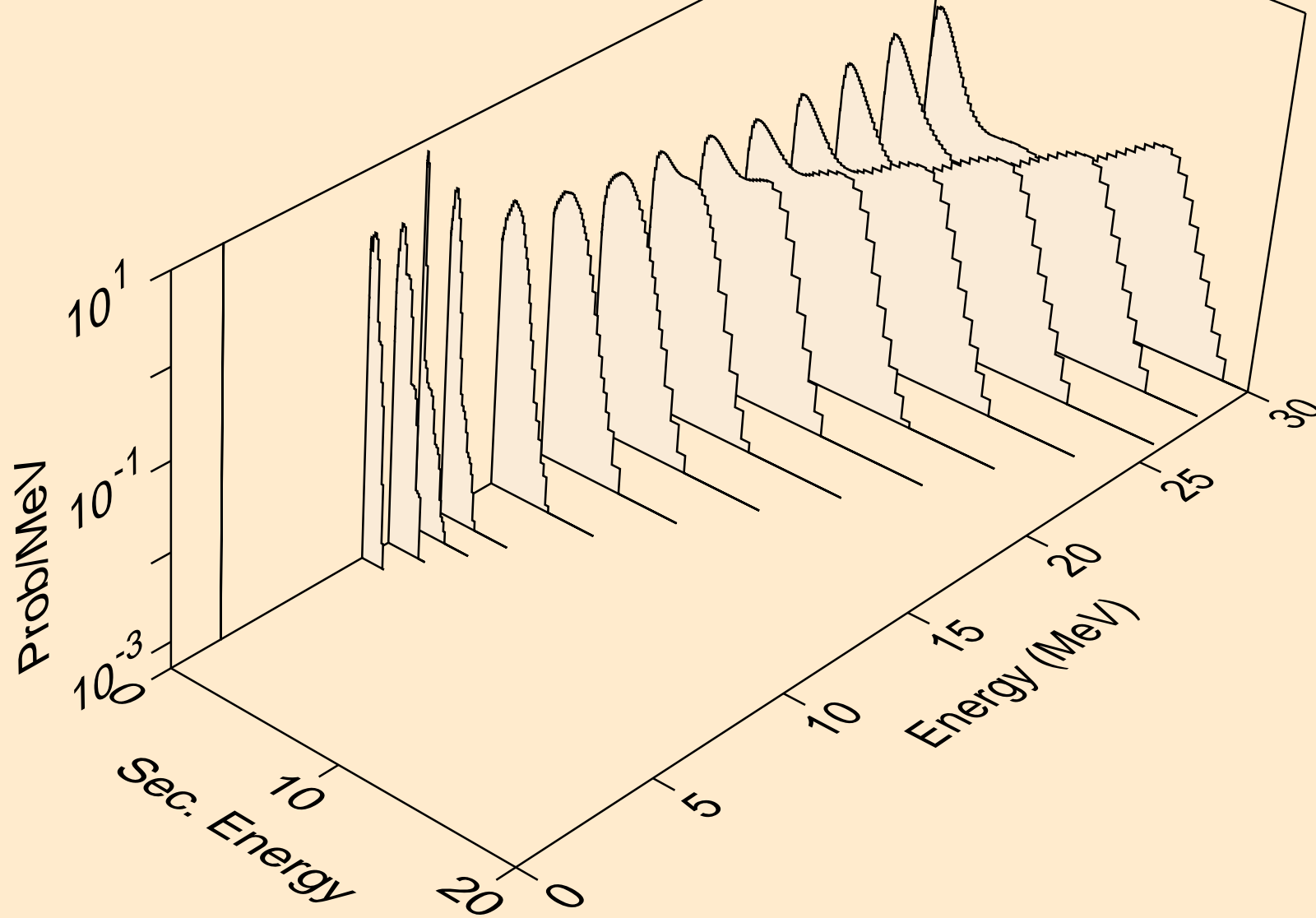
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,x)



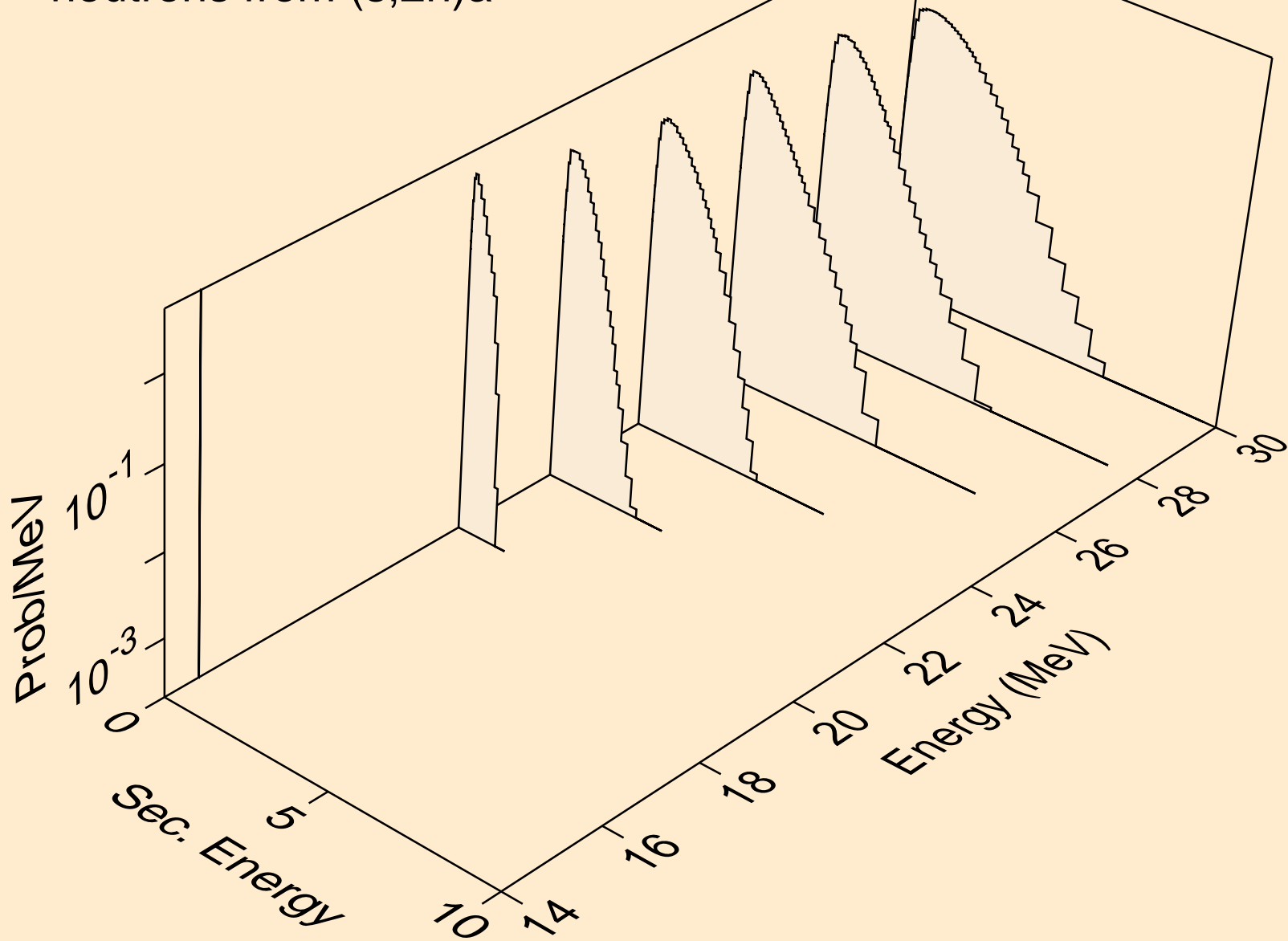
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,2n)



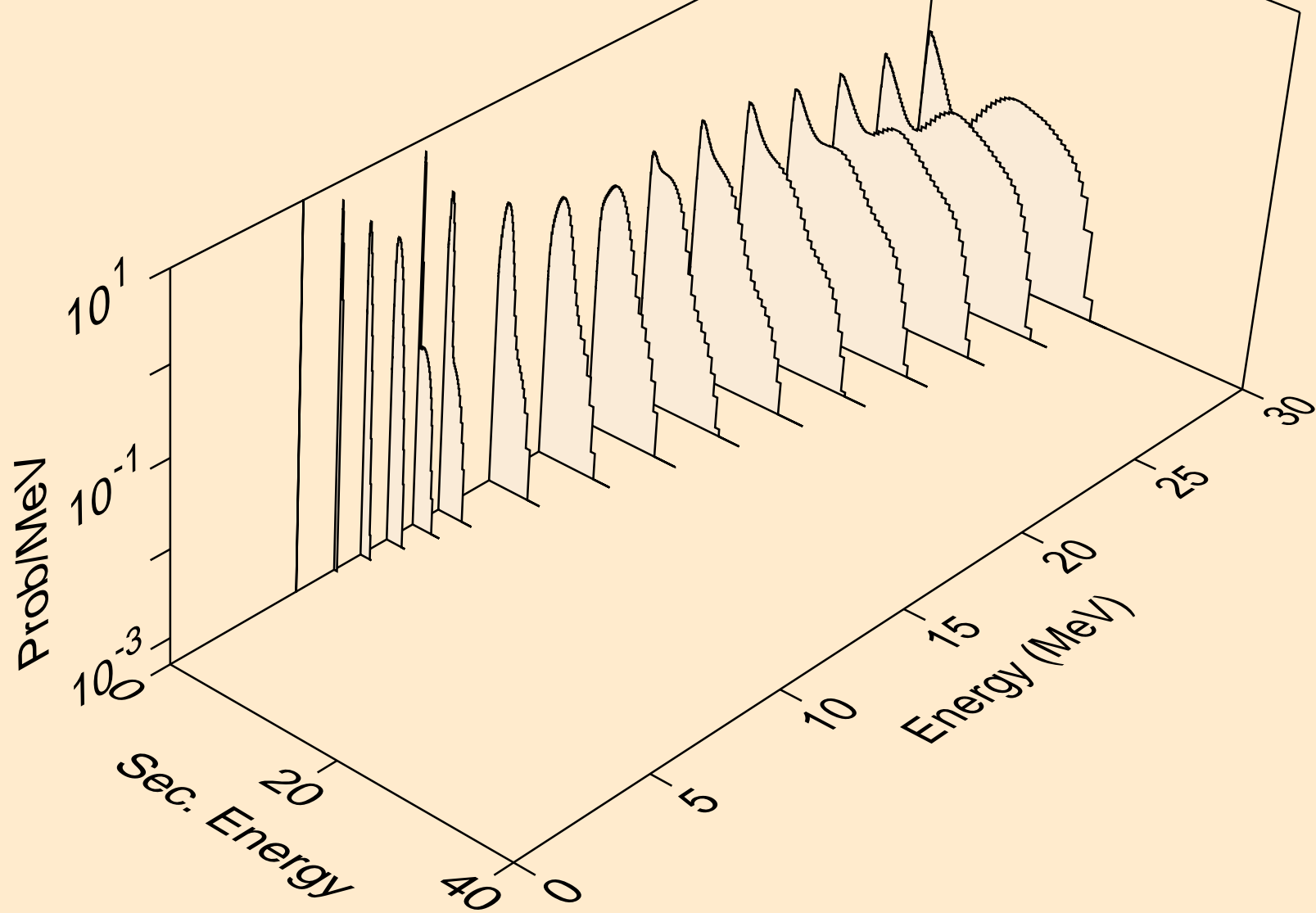
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)a



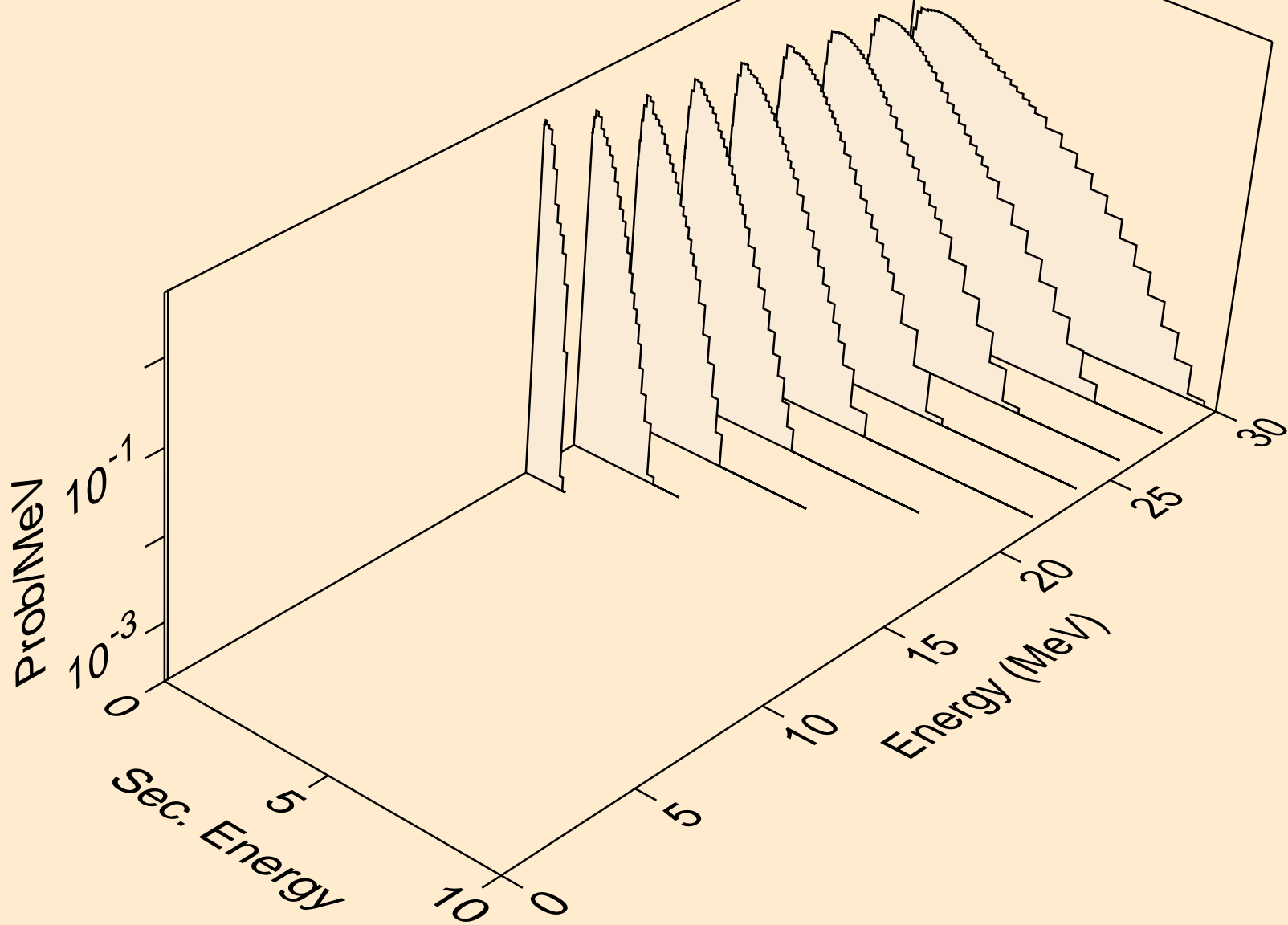
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,2n)a



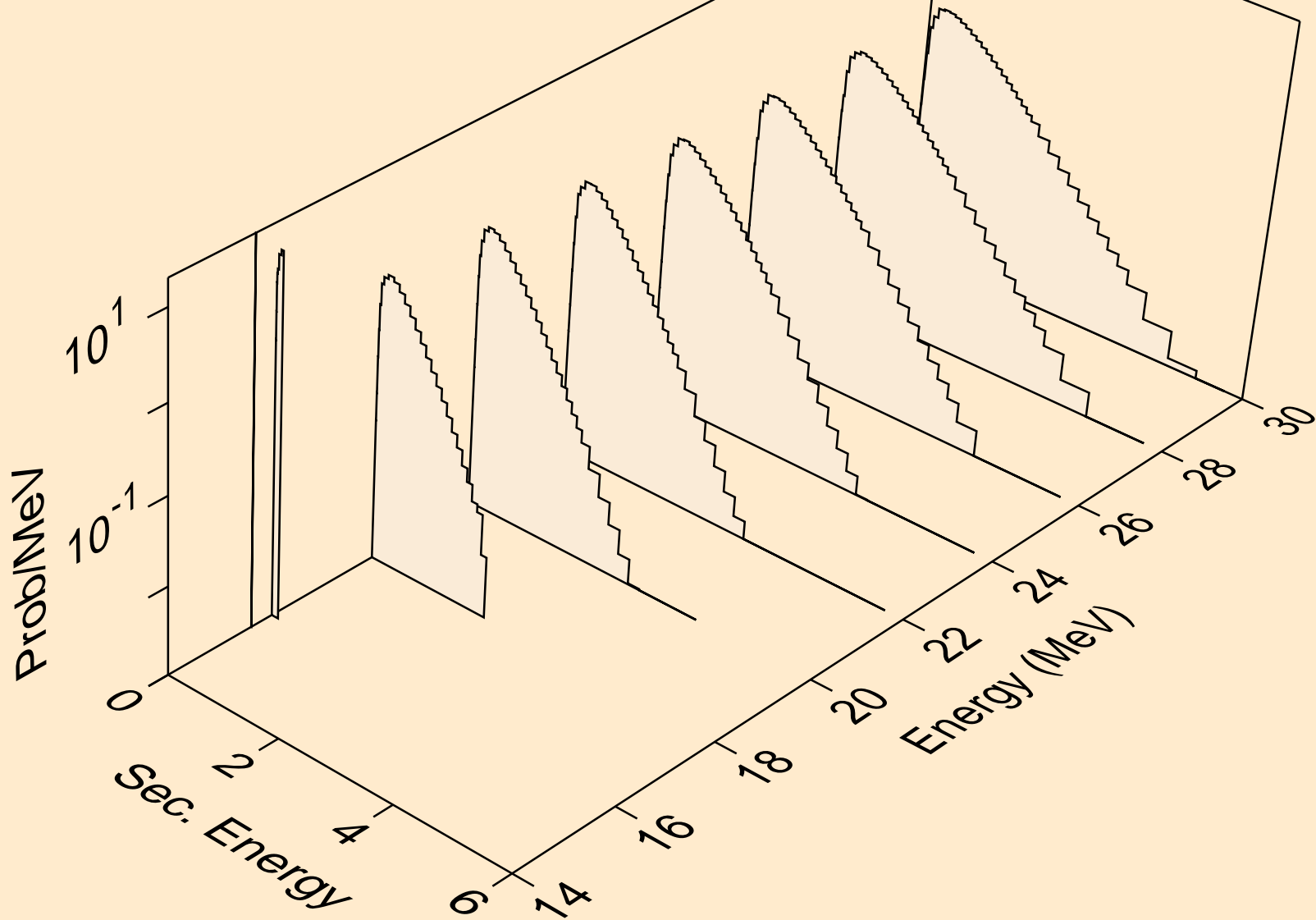
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)p



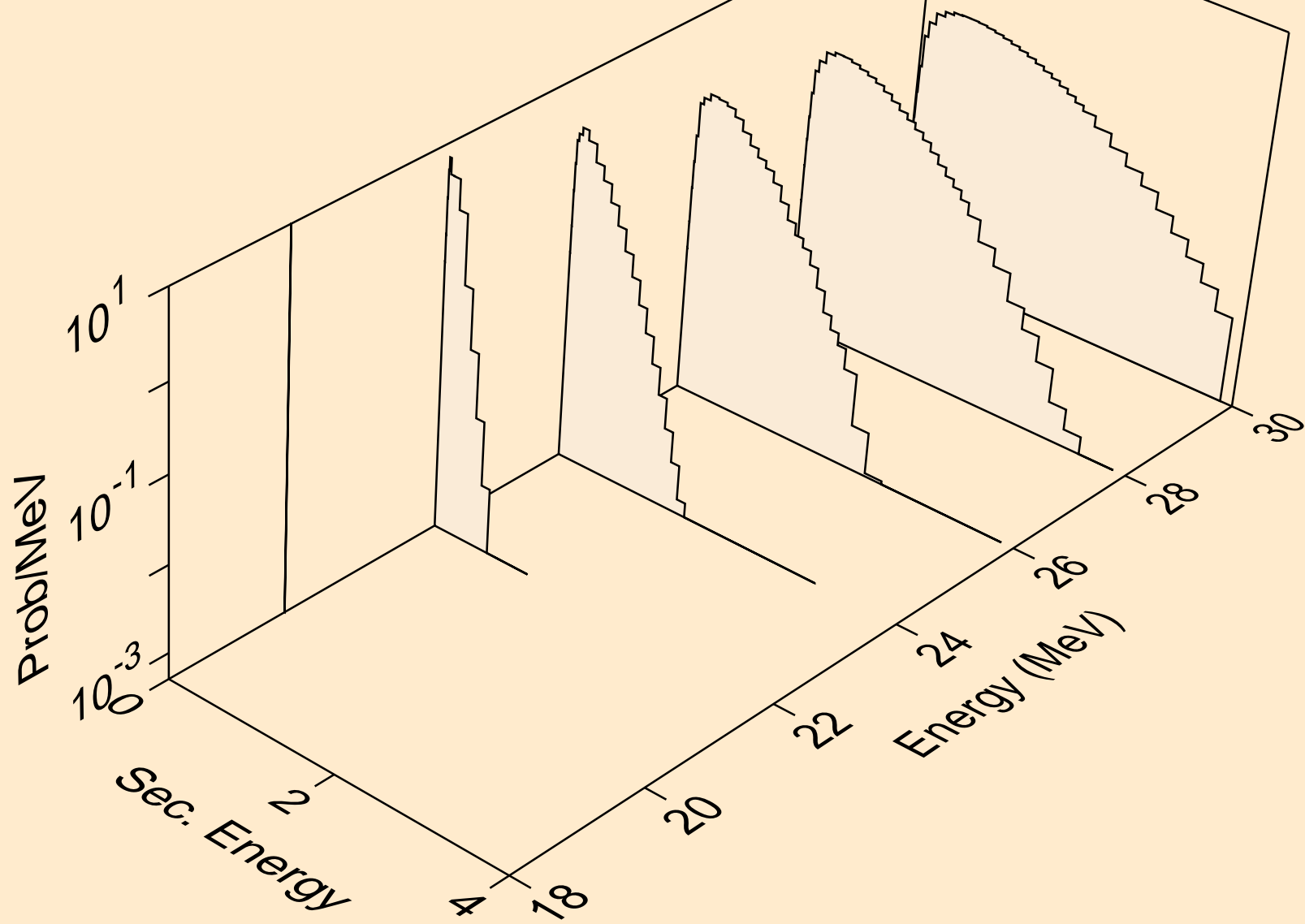
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)2a



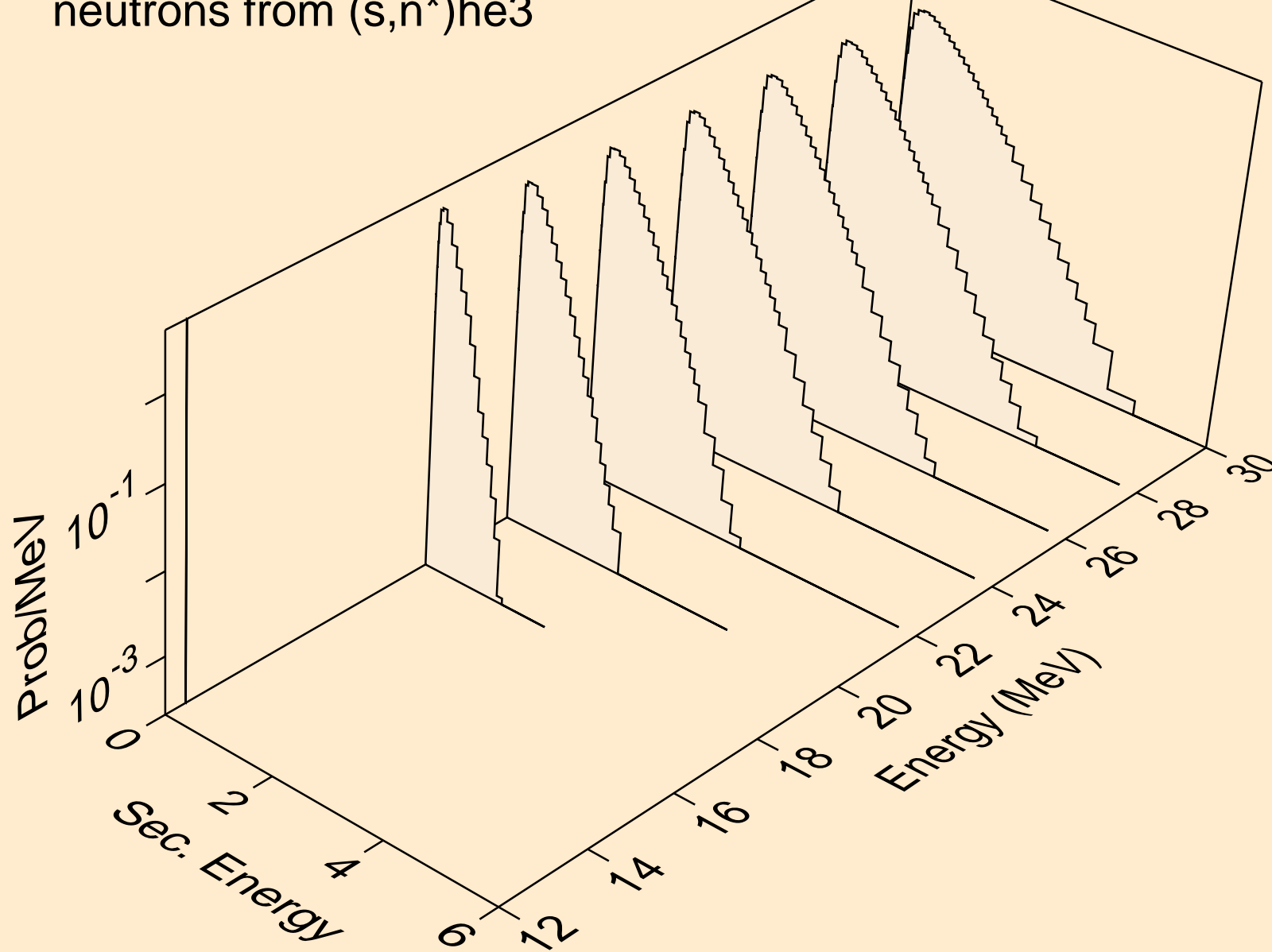
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)d



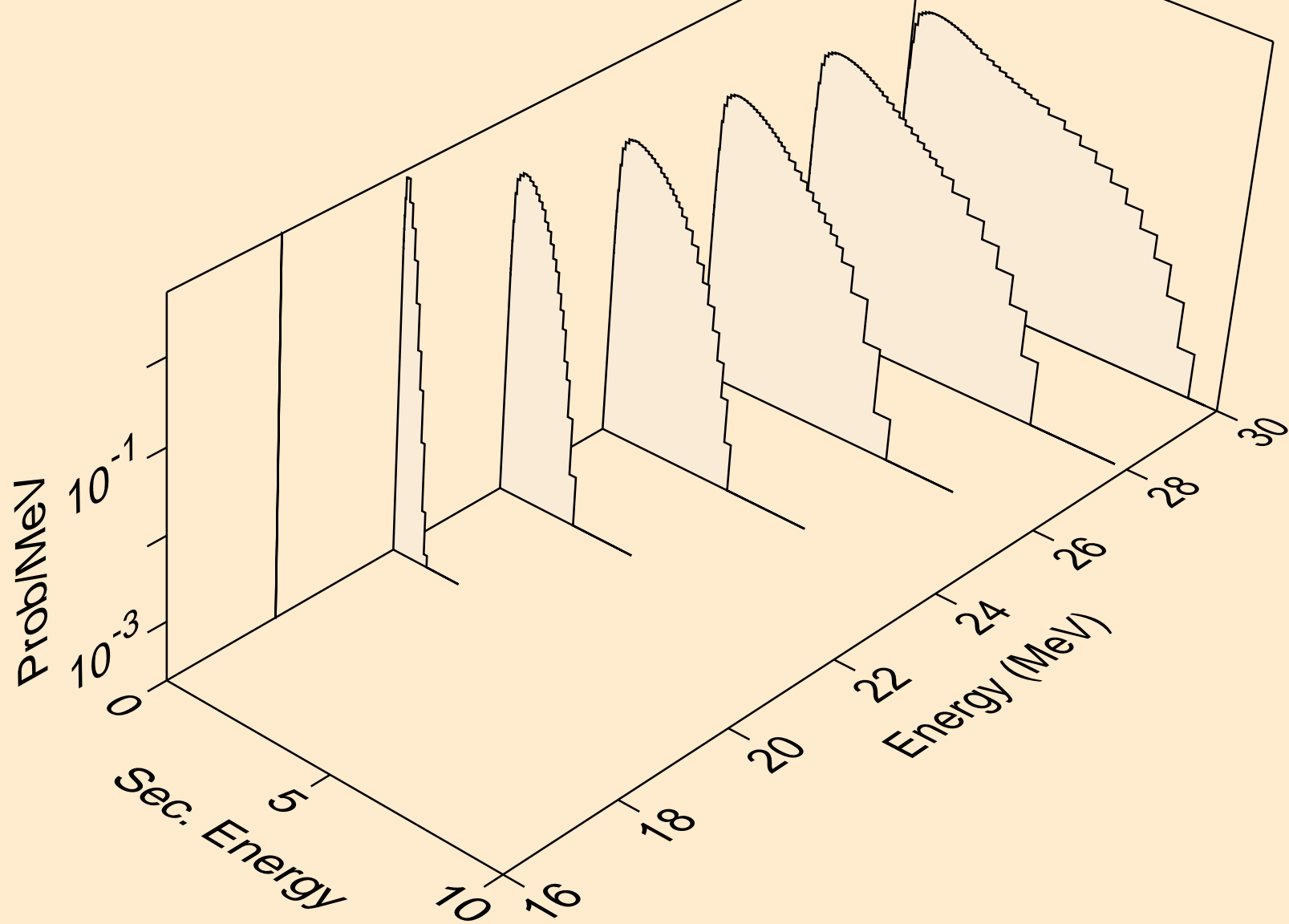
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)t



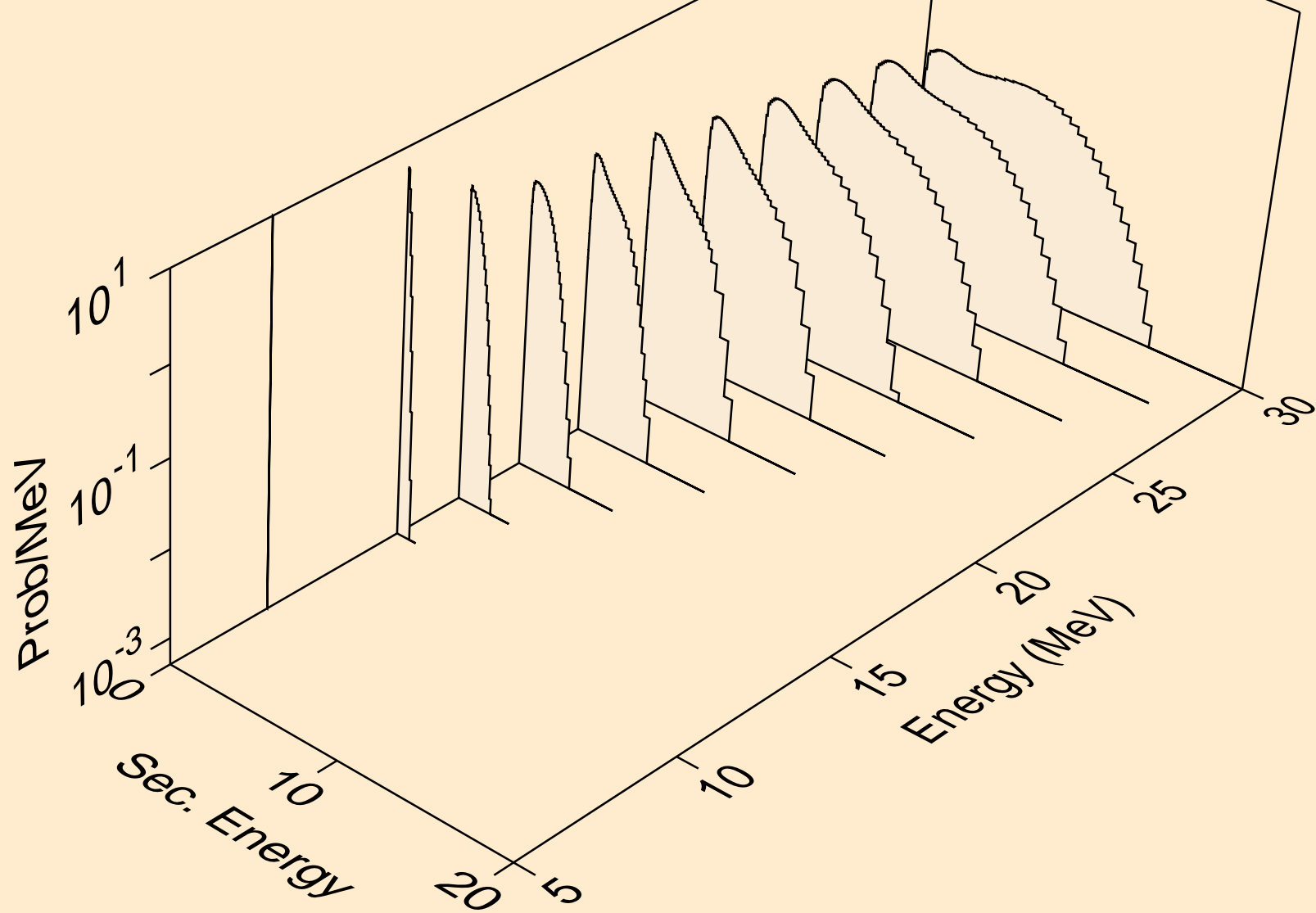
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)he3



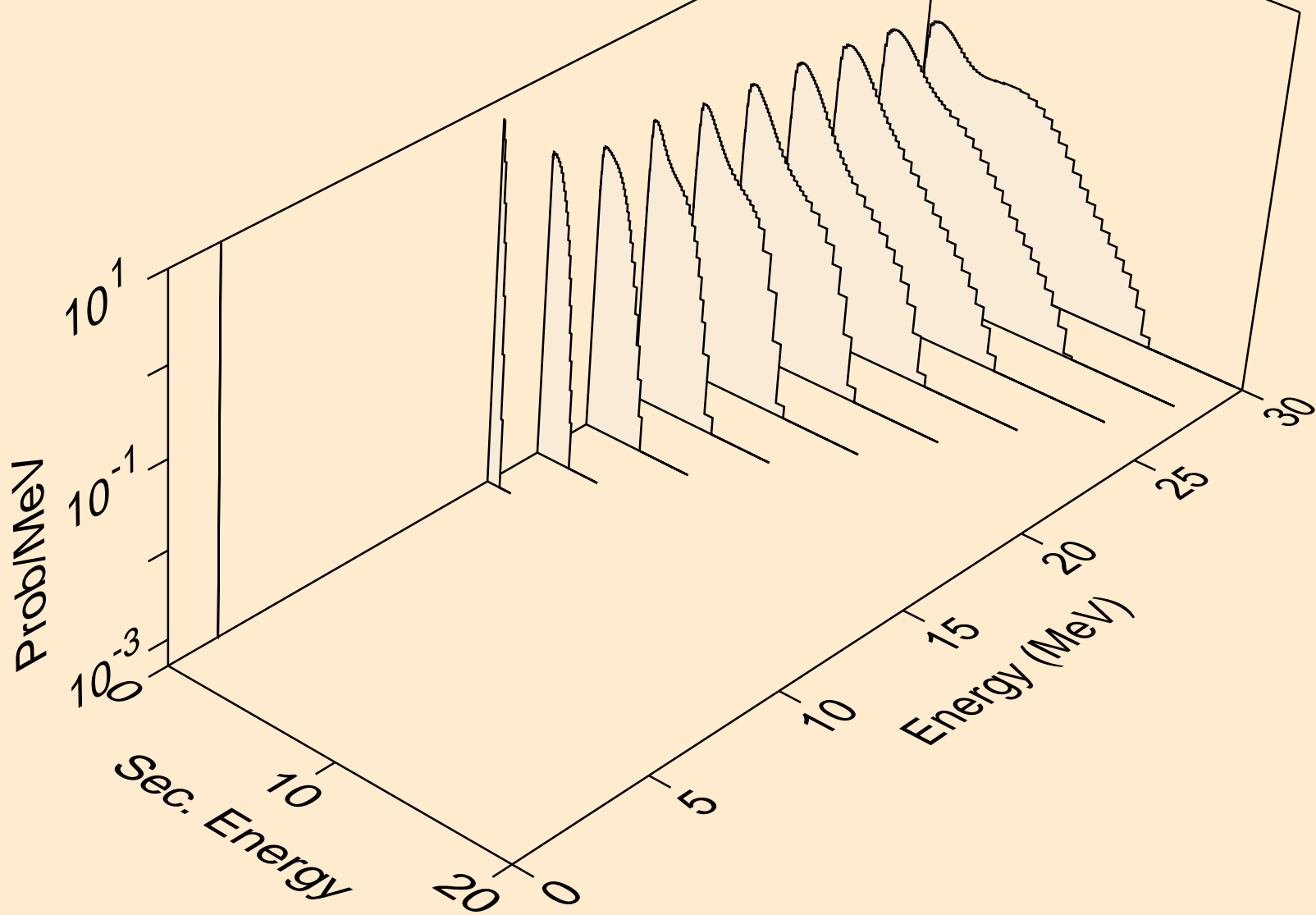
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,2np)



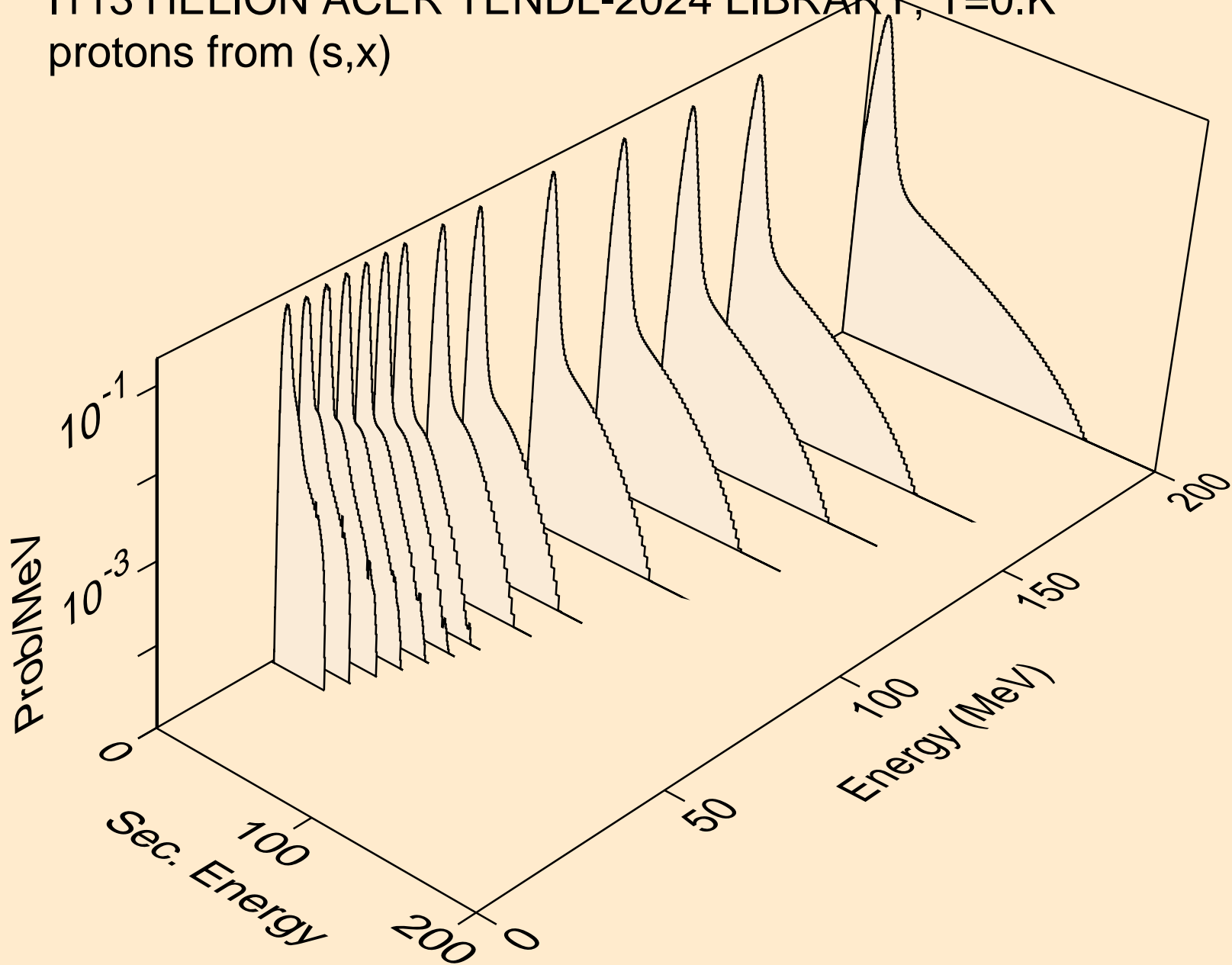
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n2p)



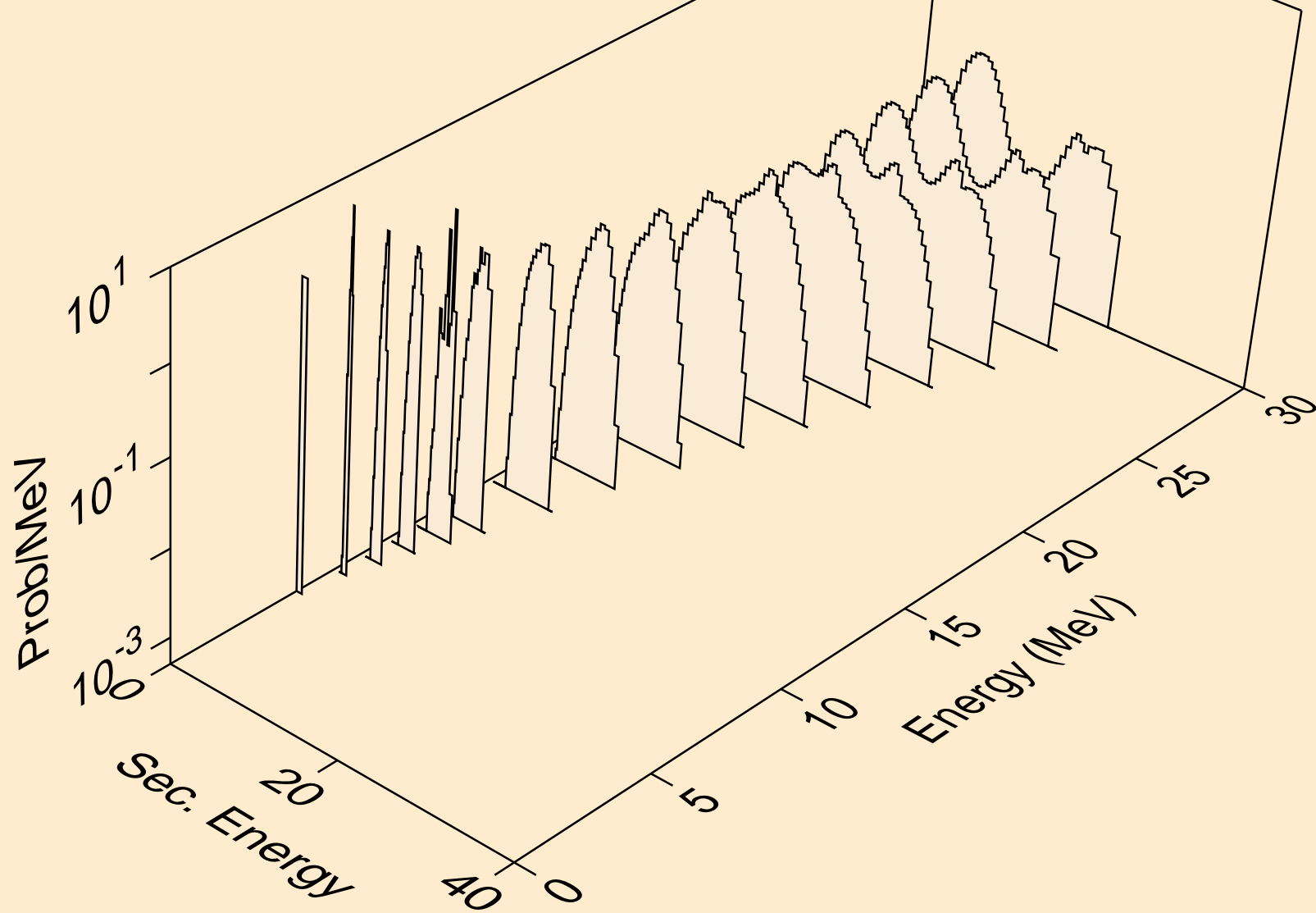
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,npa)



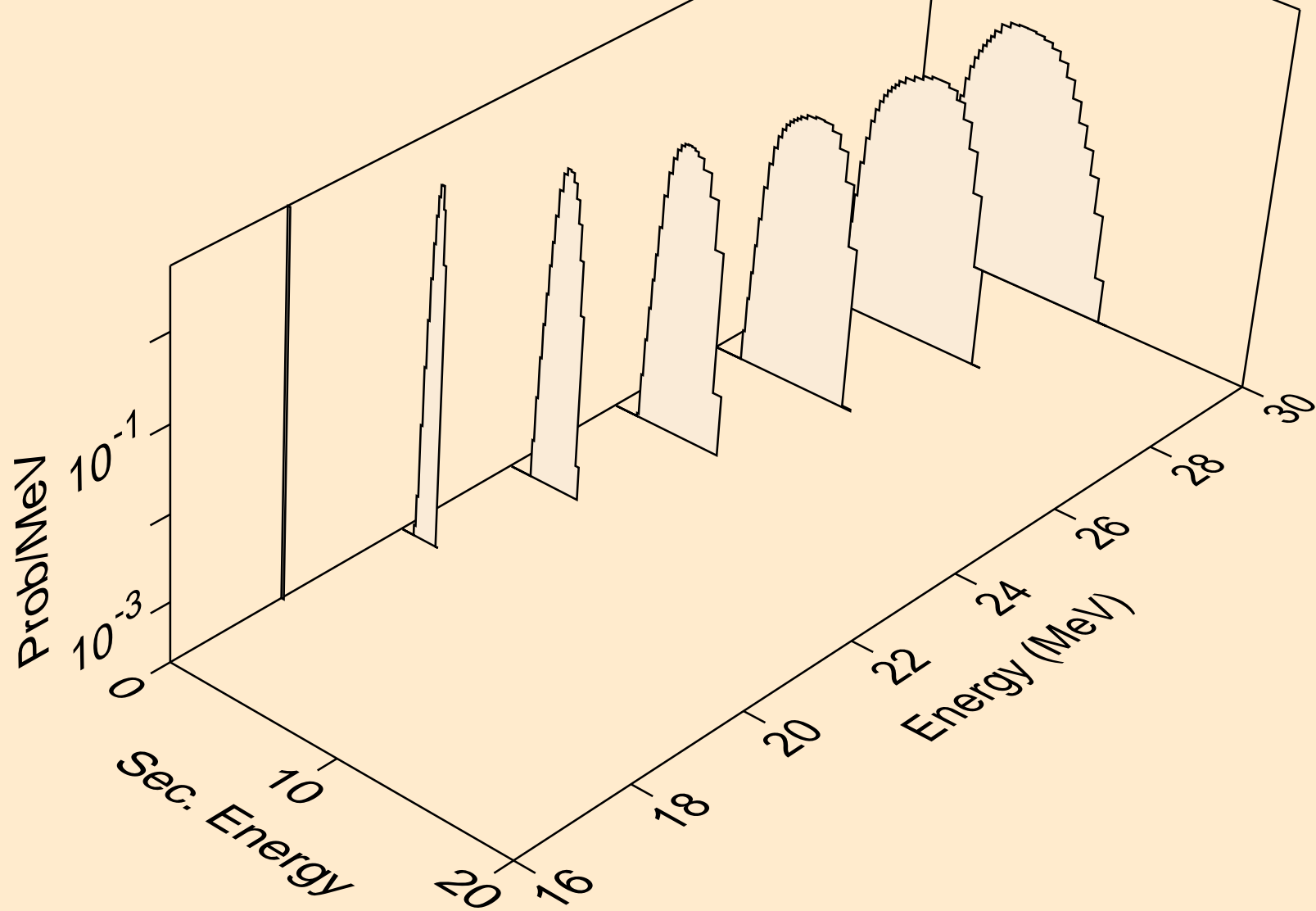
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,x)



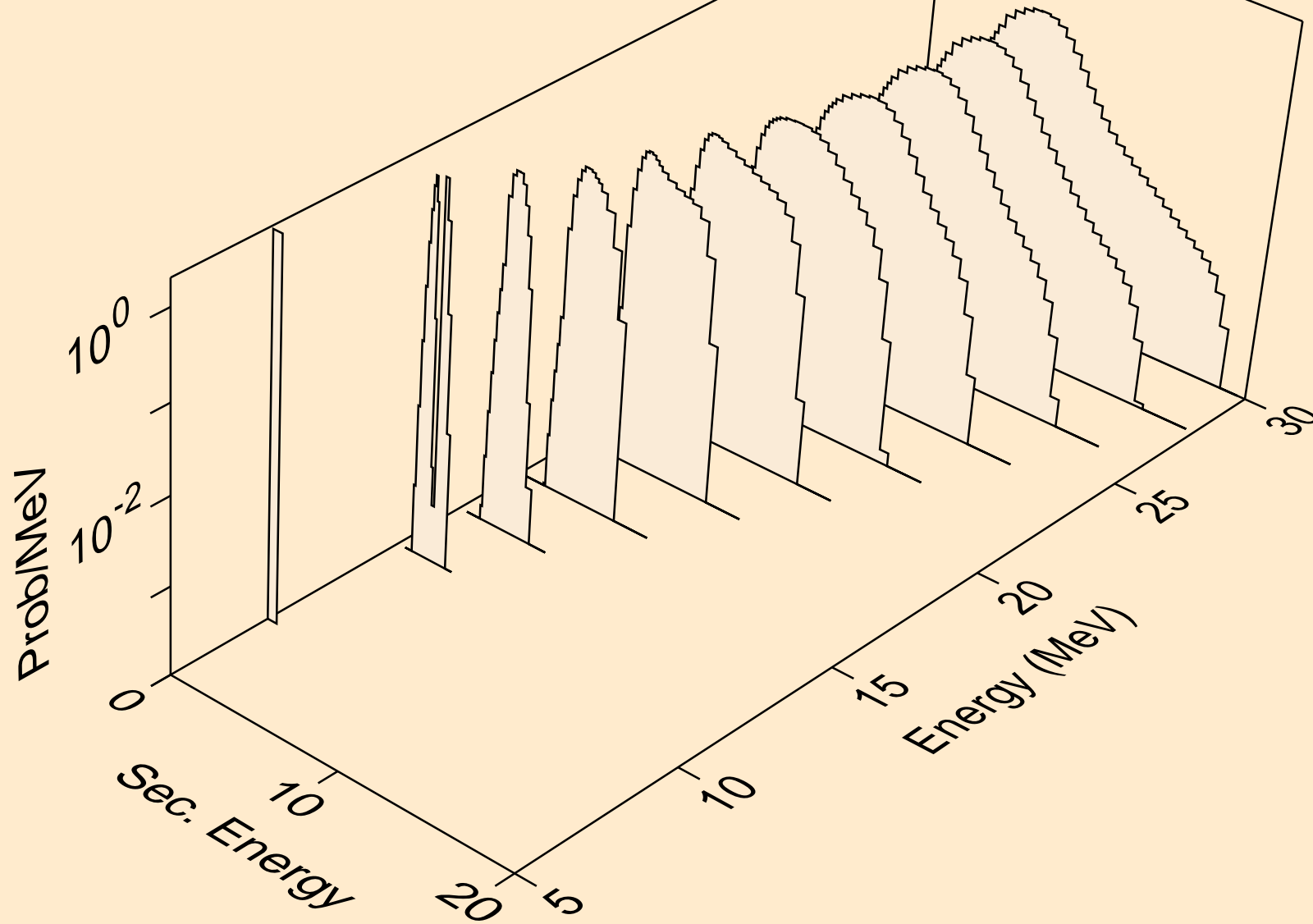
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,n\*)p



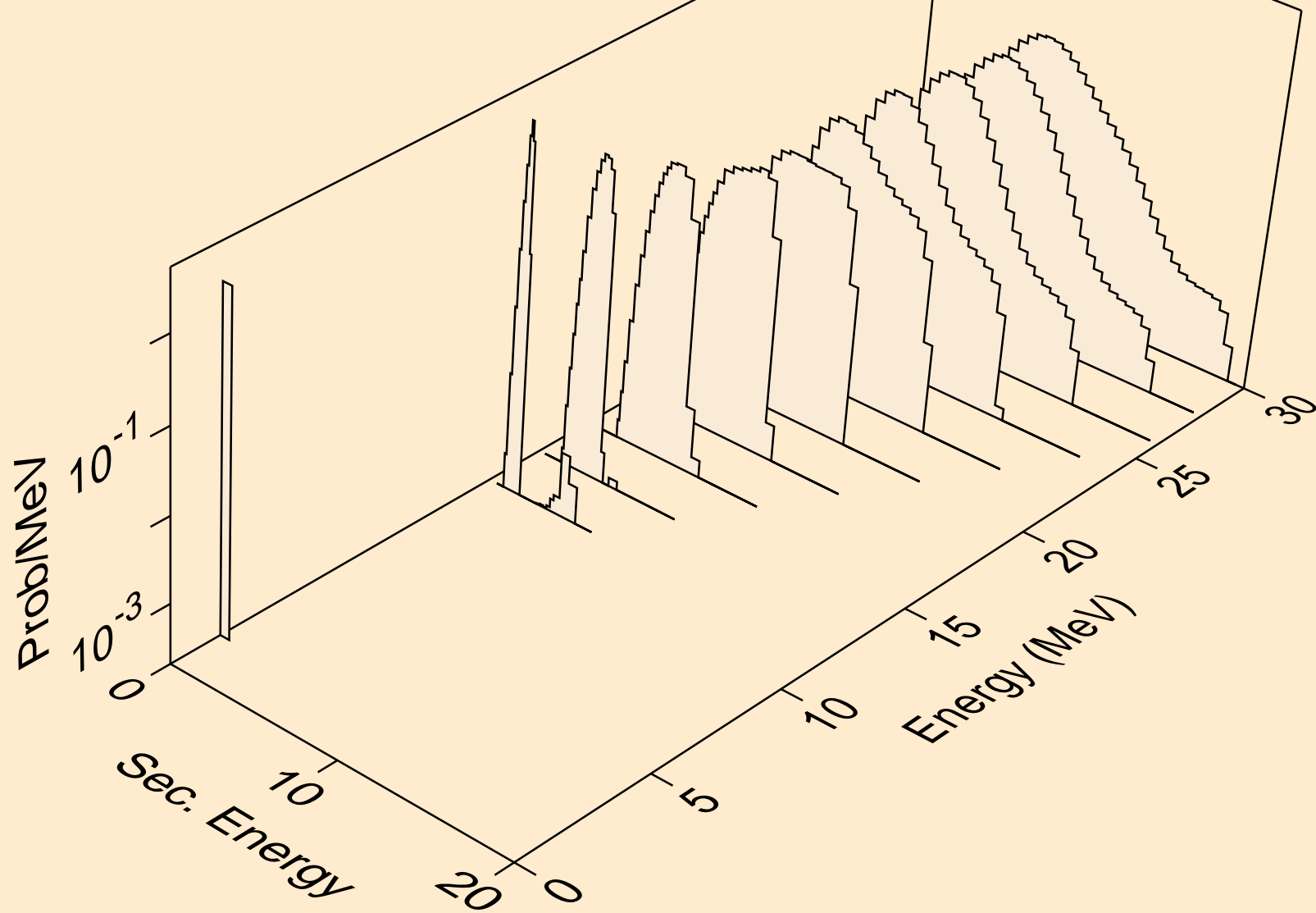
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,2np)



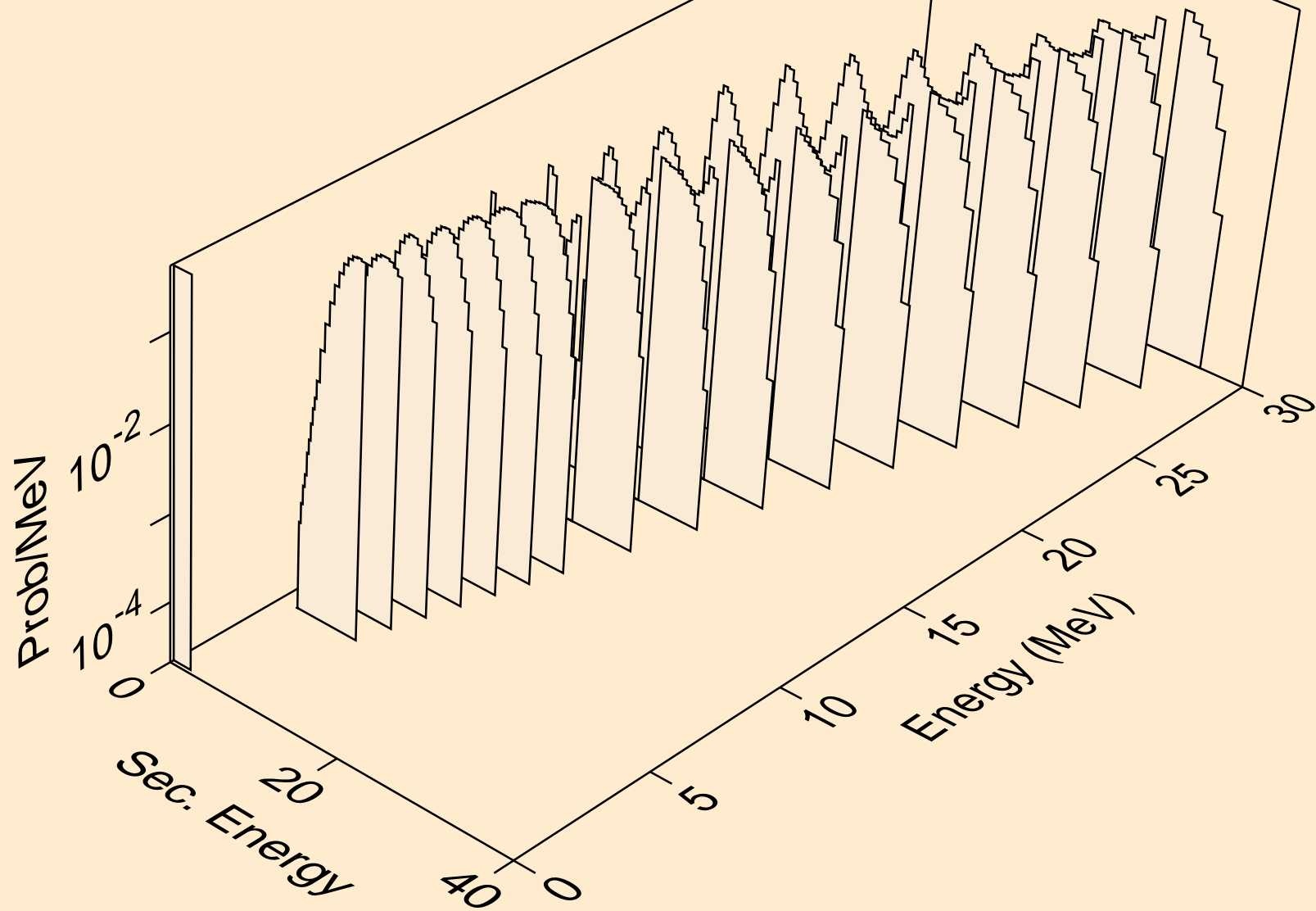
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,n2p)



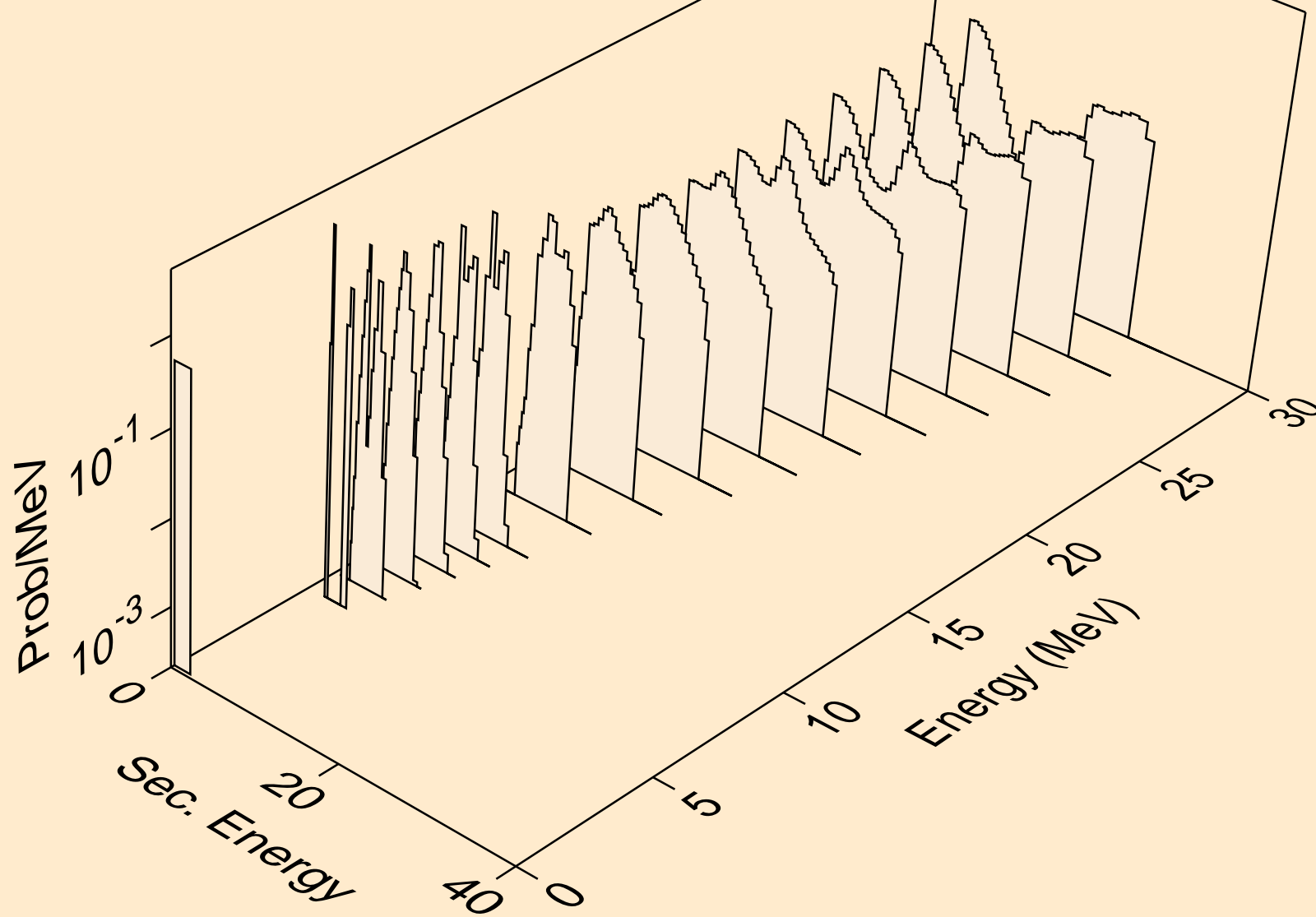
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,npa)



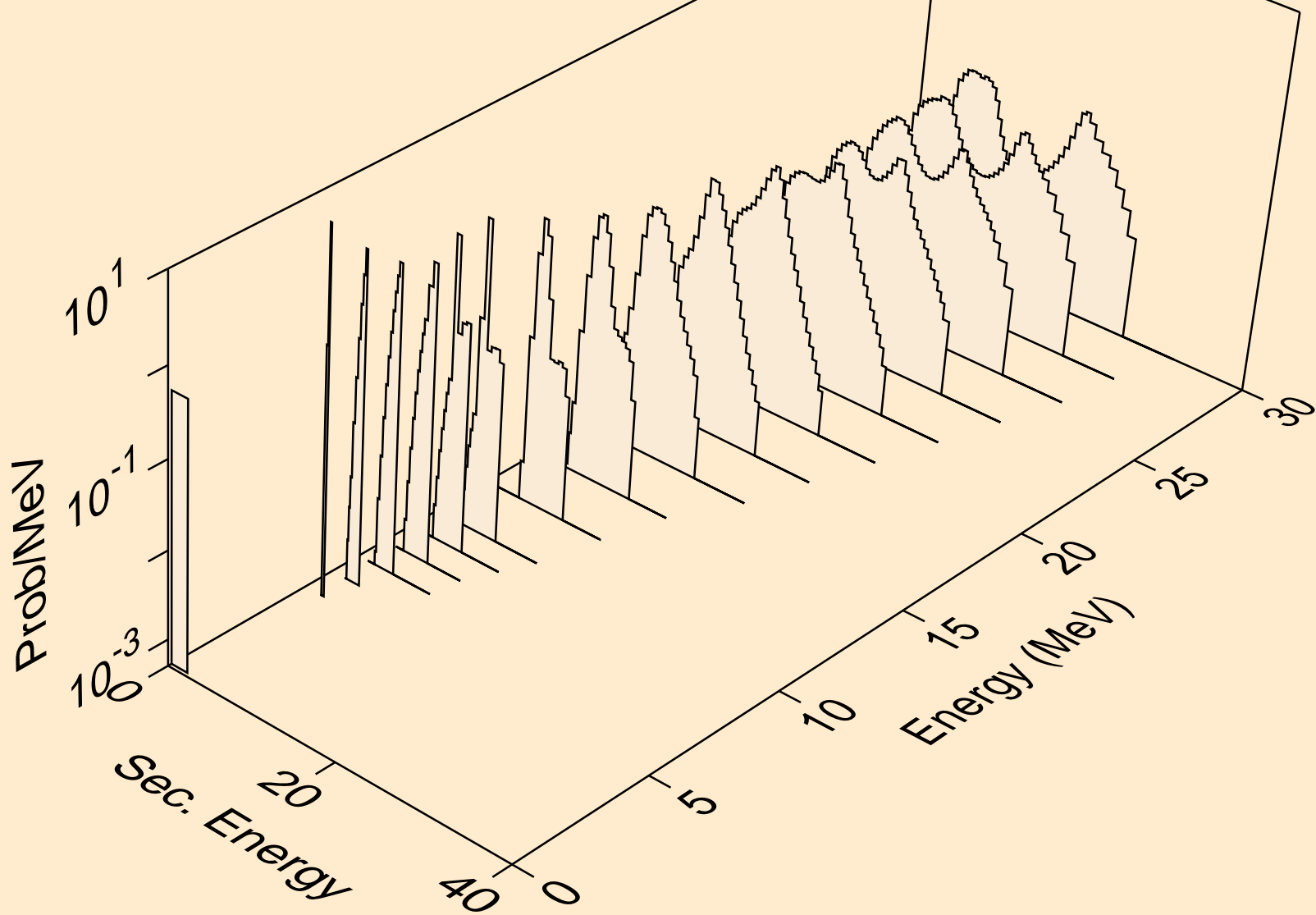
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,p)



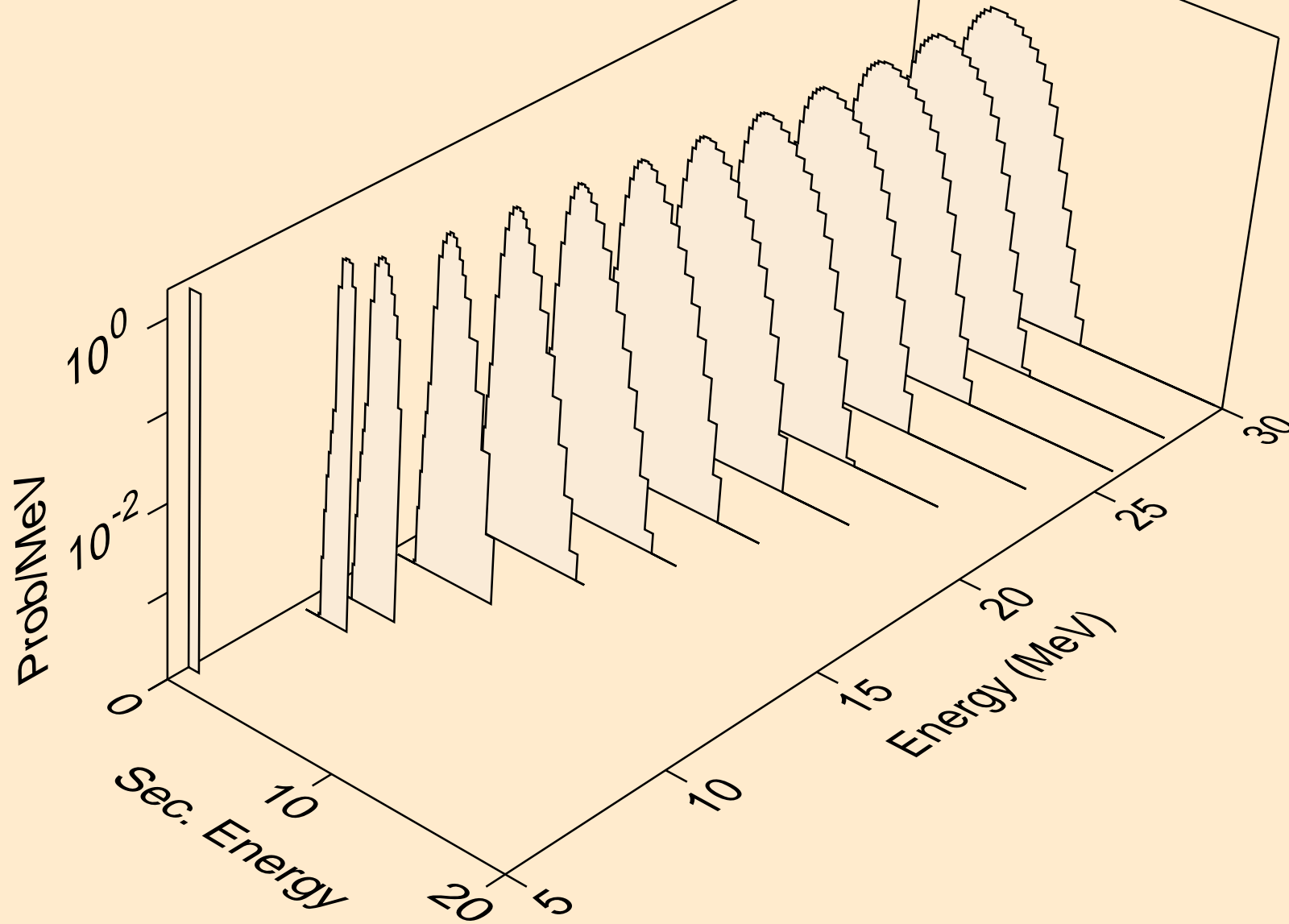
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,2p)



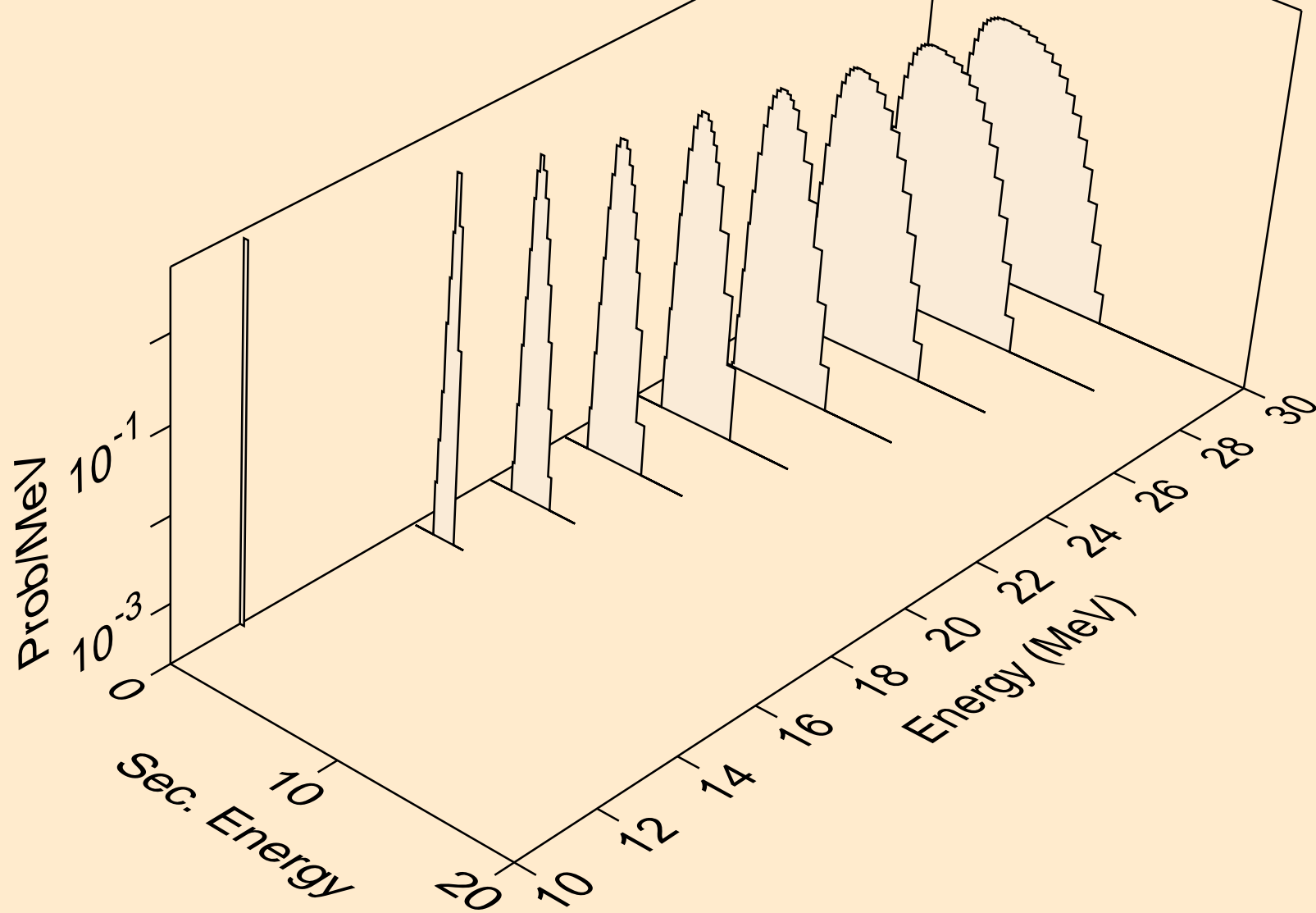
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,pa)



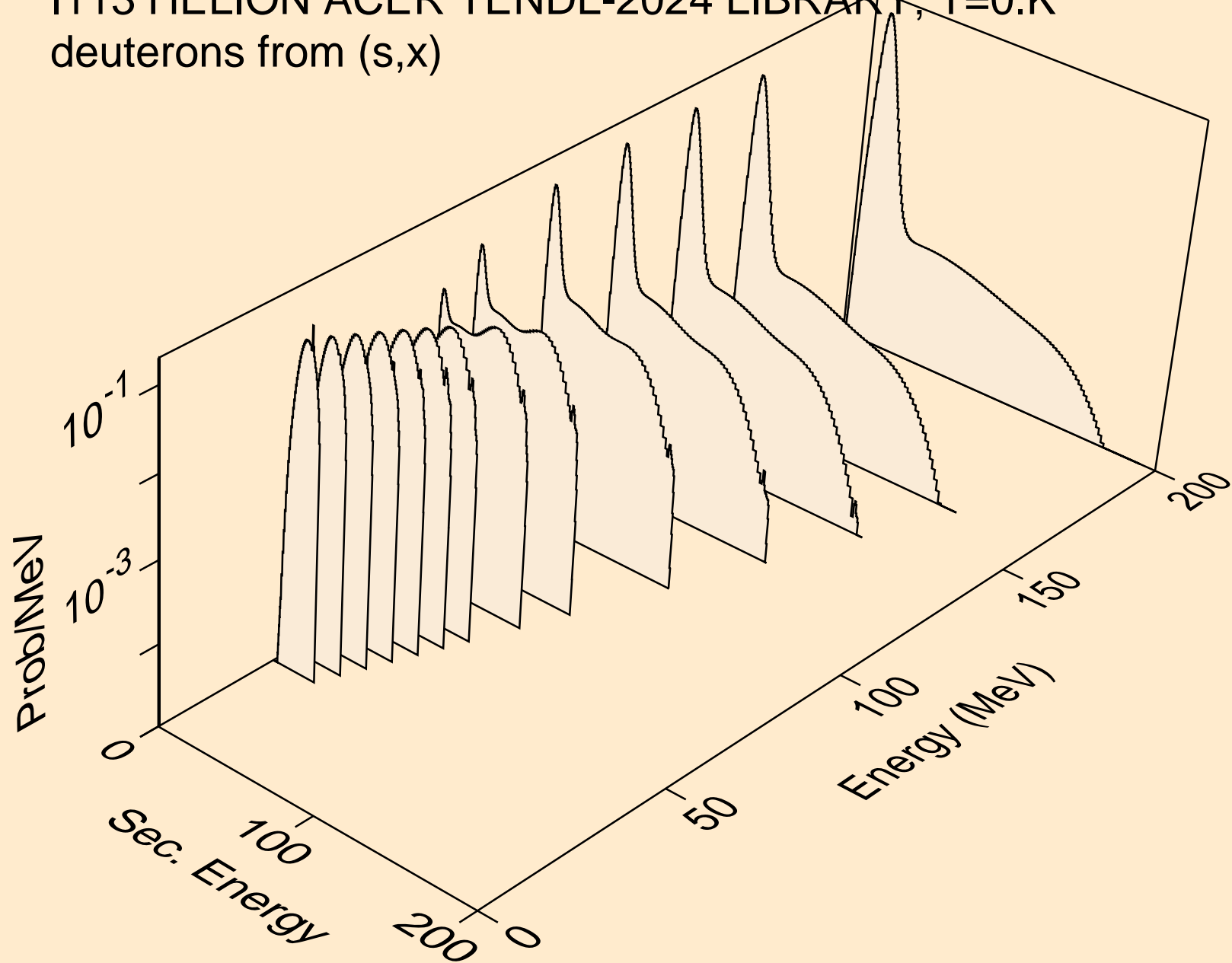
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,pd)



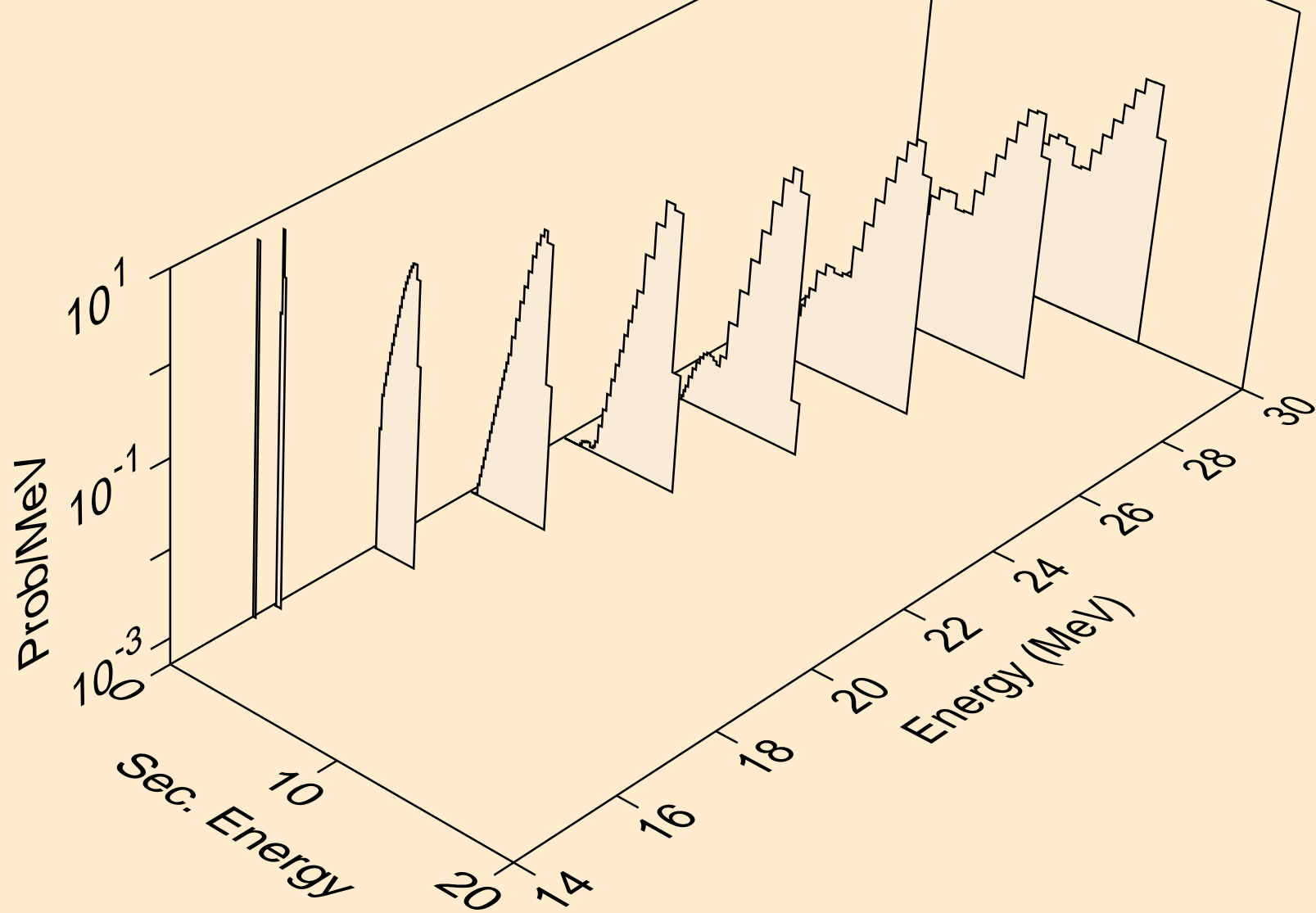
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,pt)



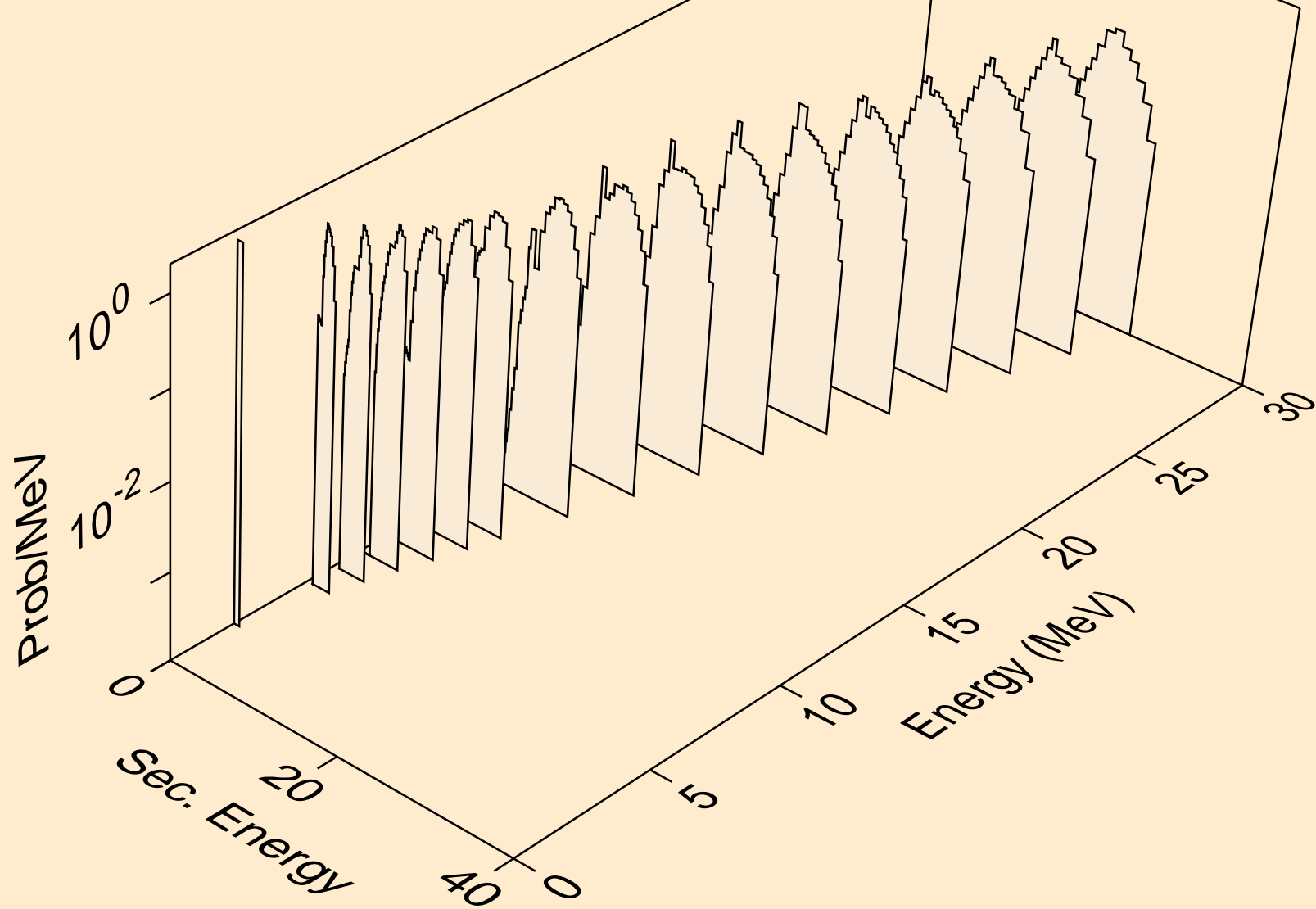
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (s,x)



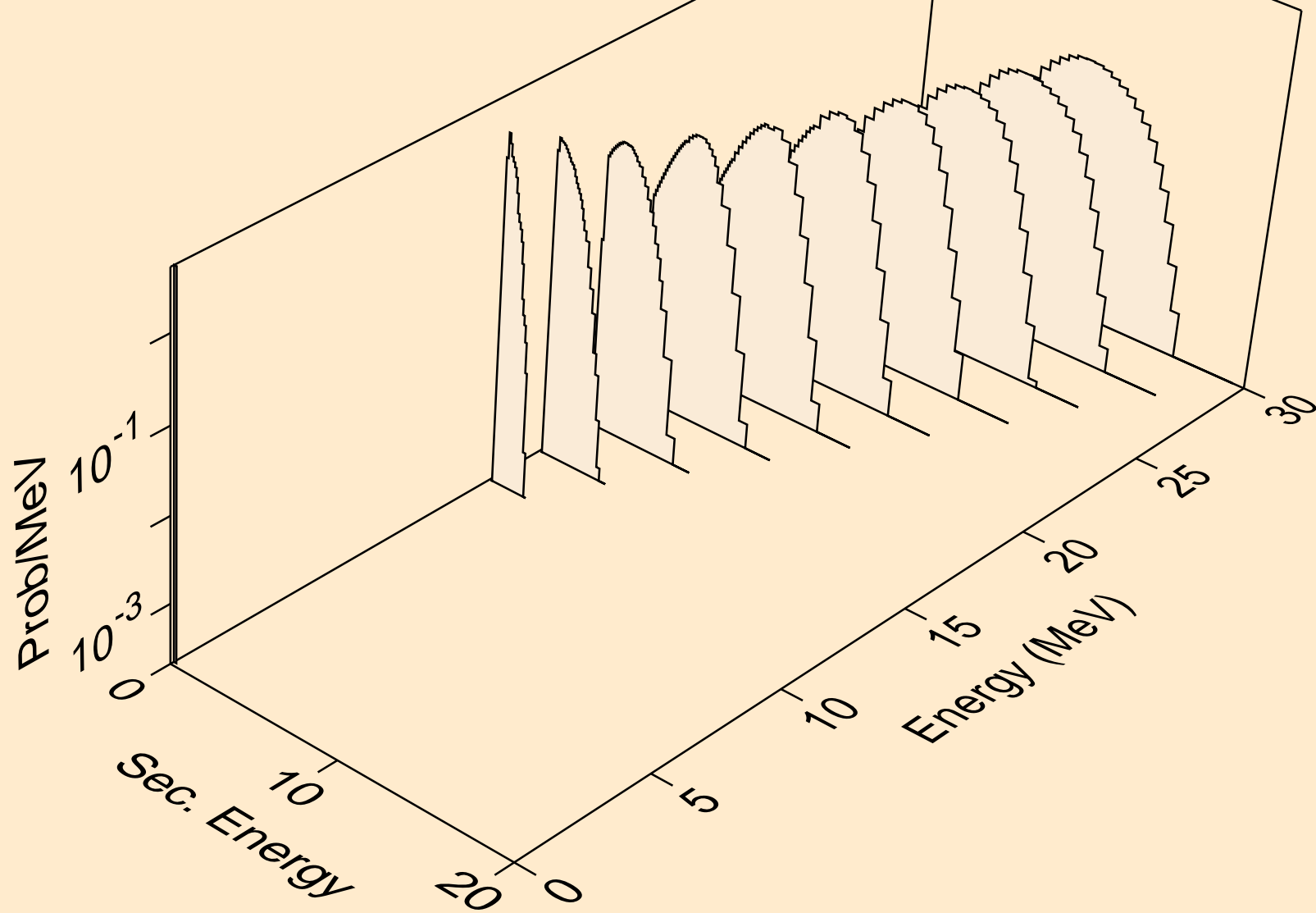
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (s,n\*)d



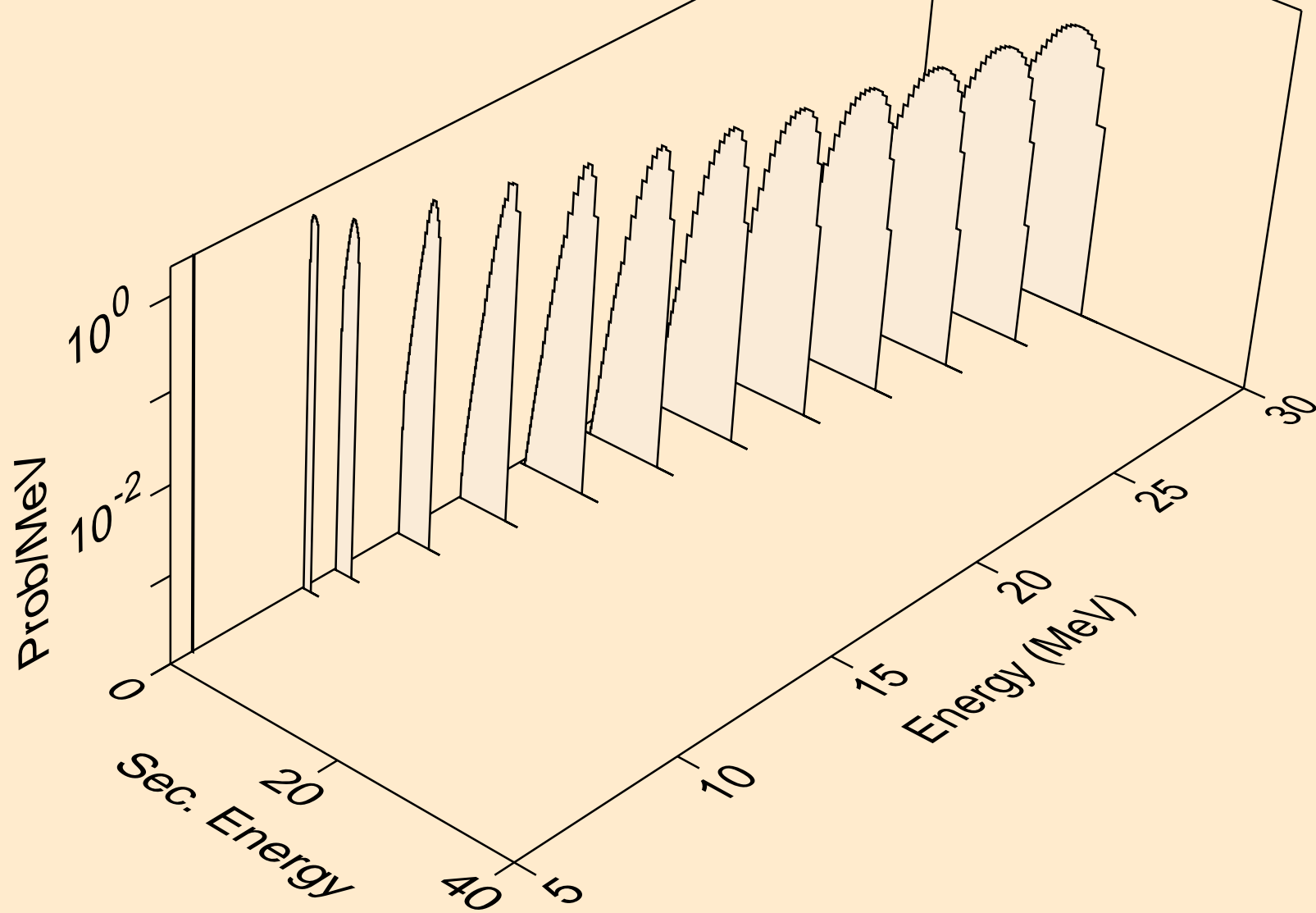
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (s,d)



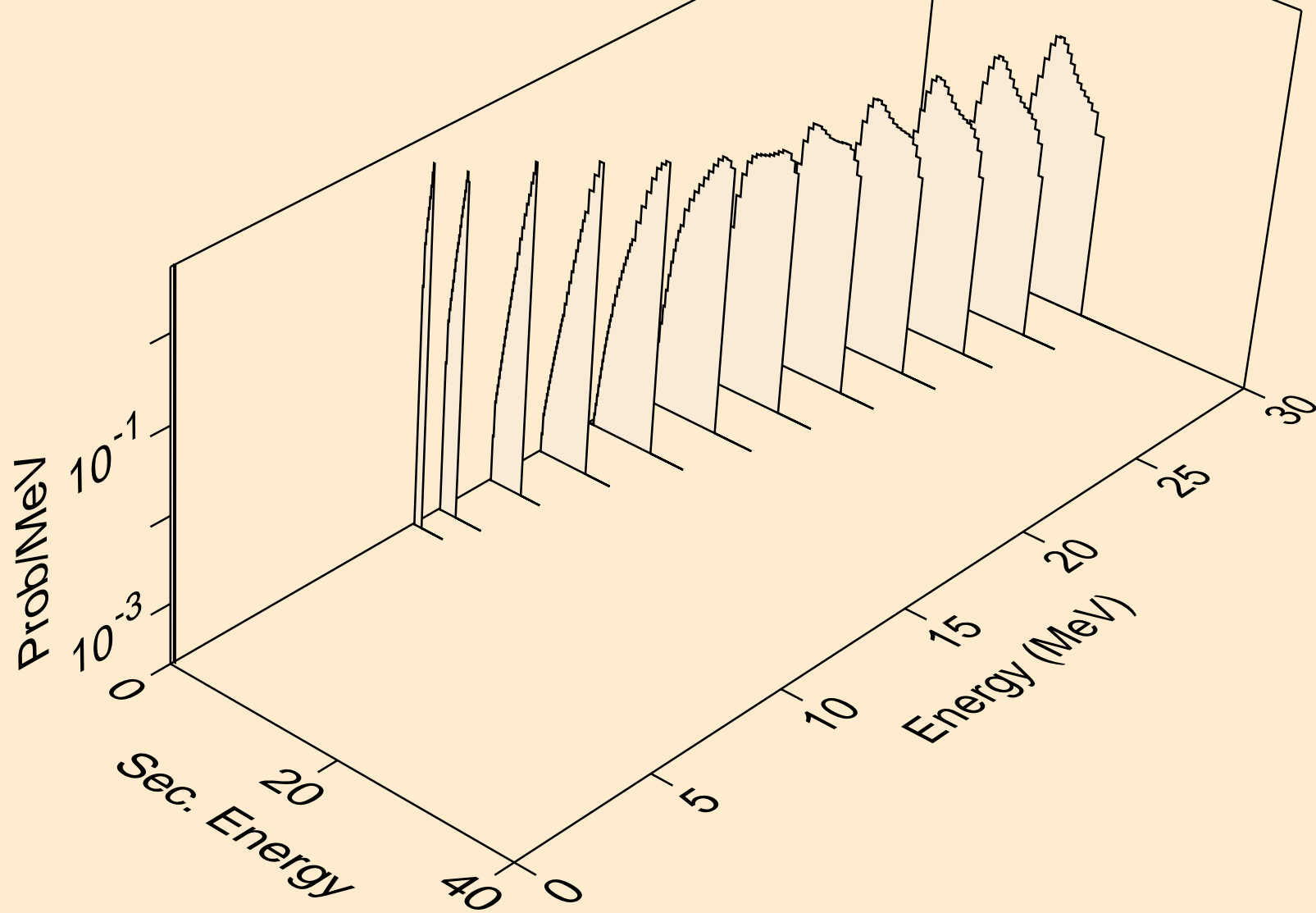
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (s,d2a)



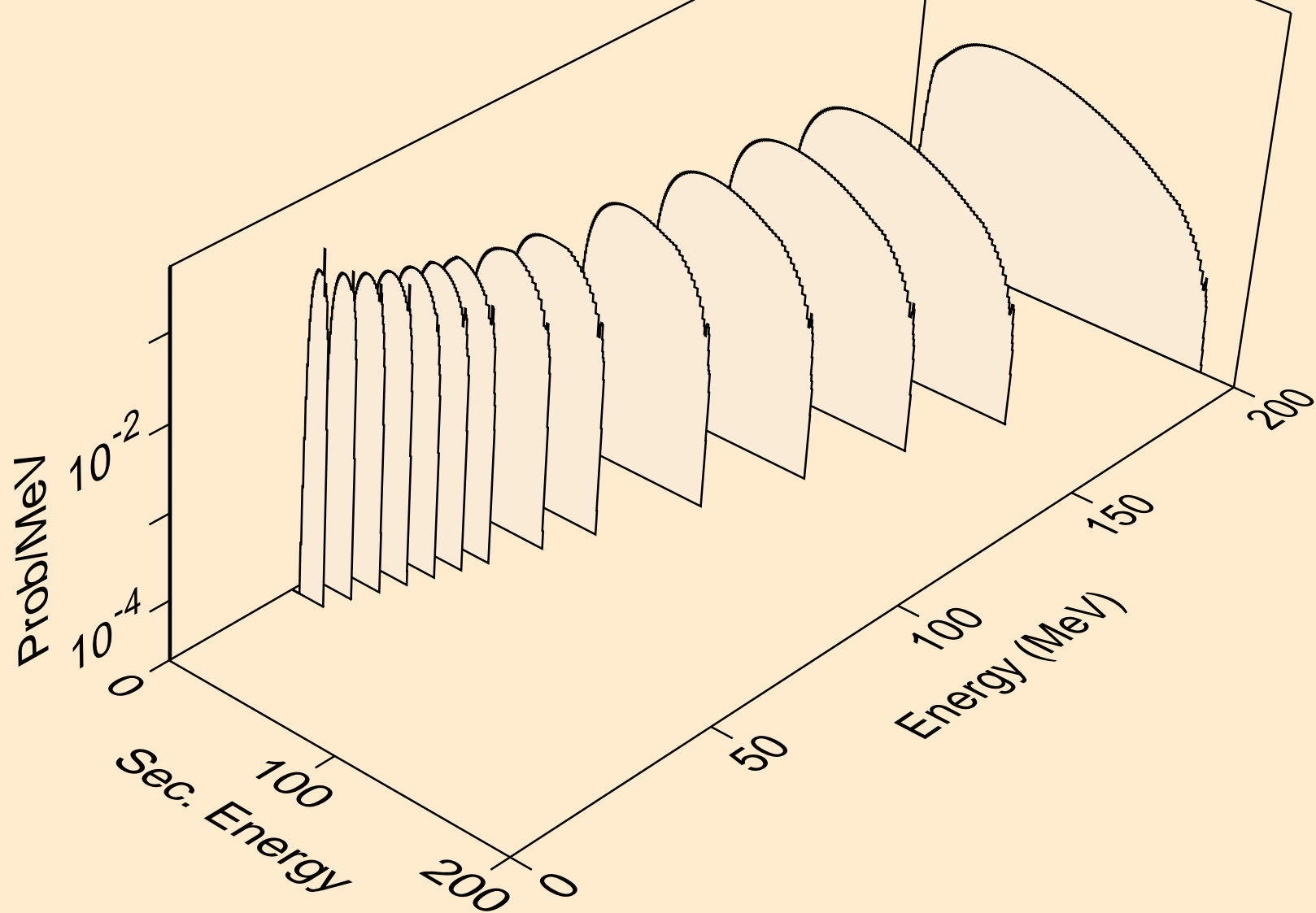
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (s,pd)



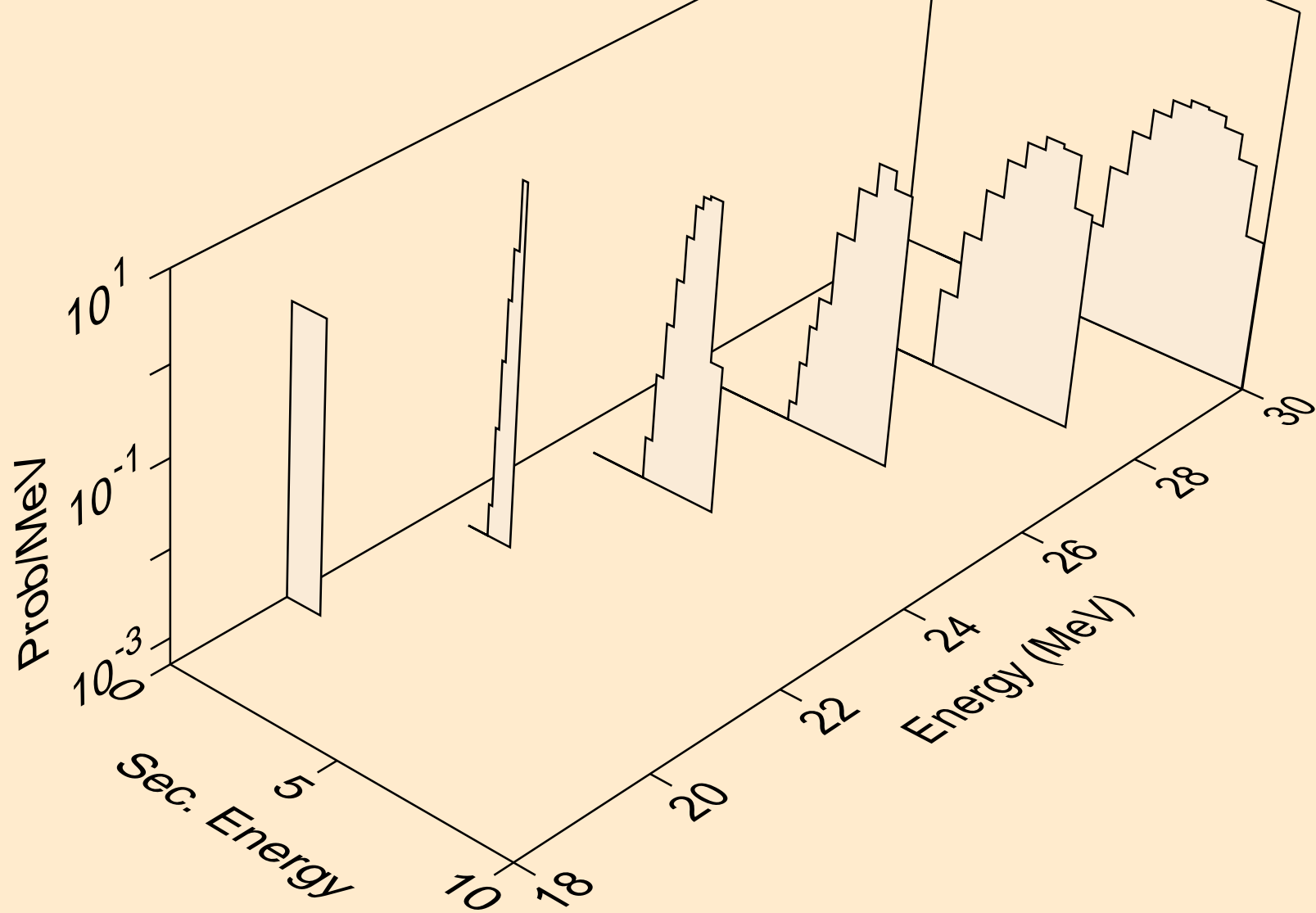
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (s,da)



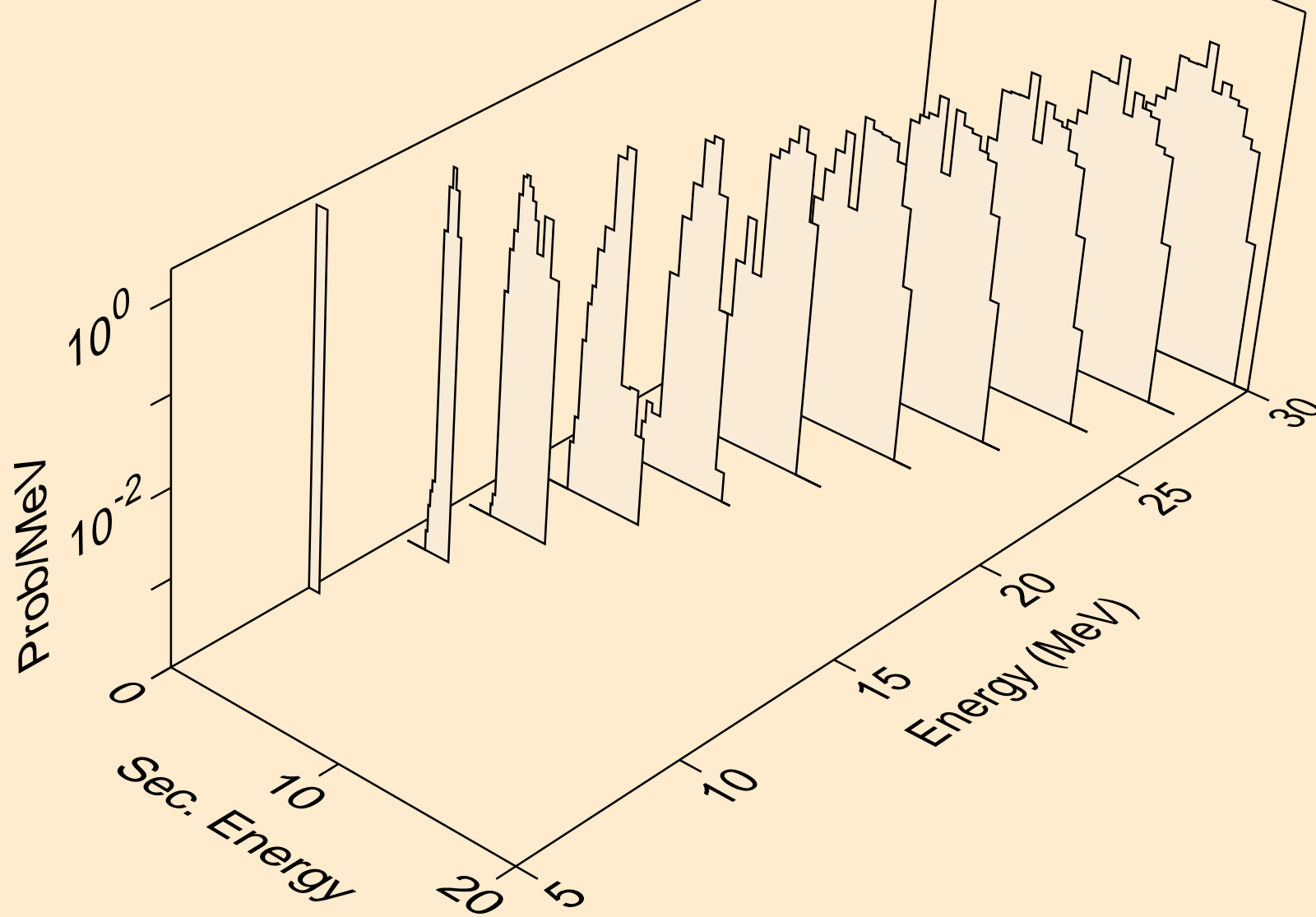
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (s,x)



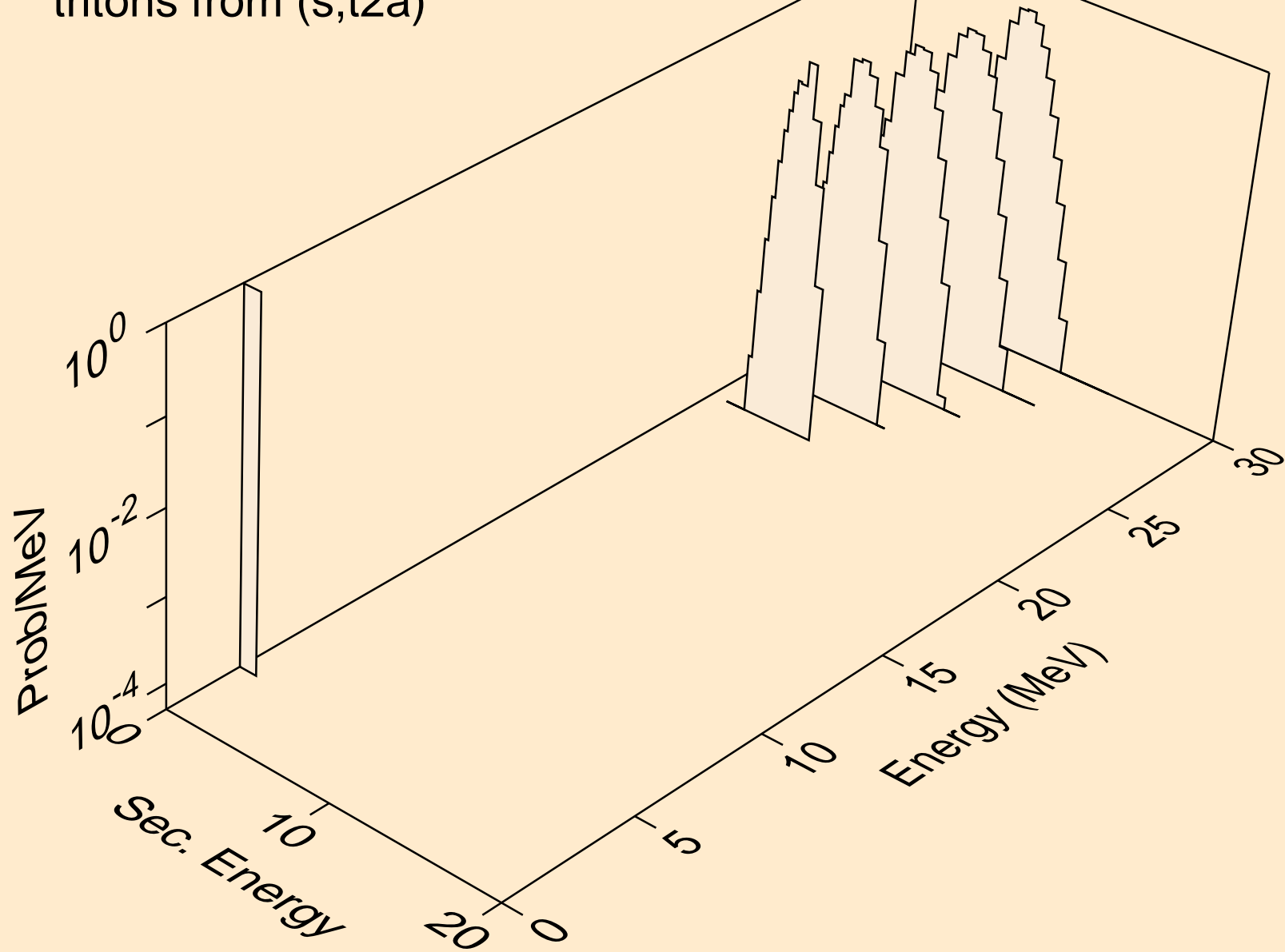
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (s,n\*)t



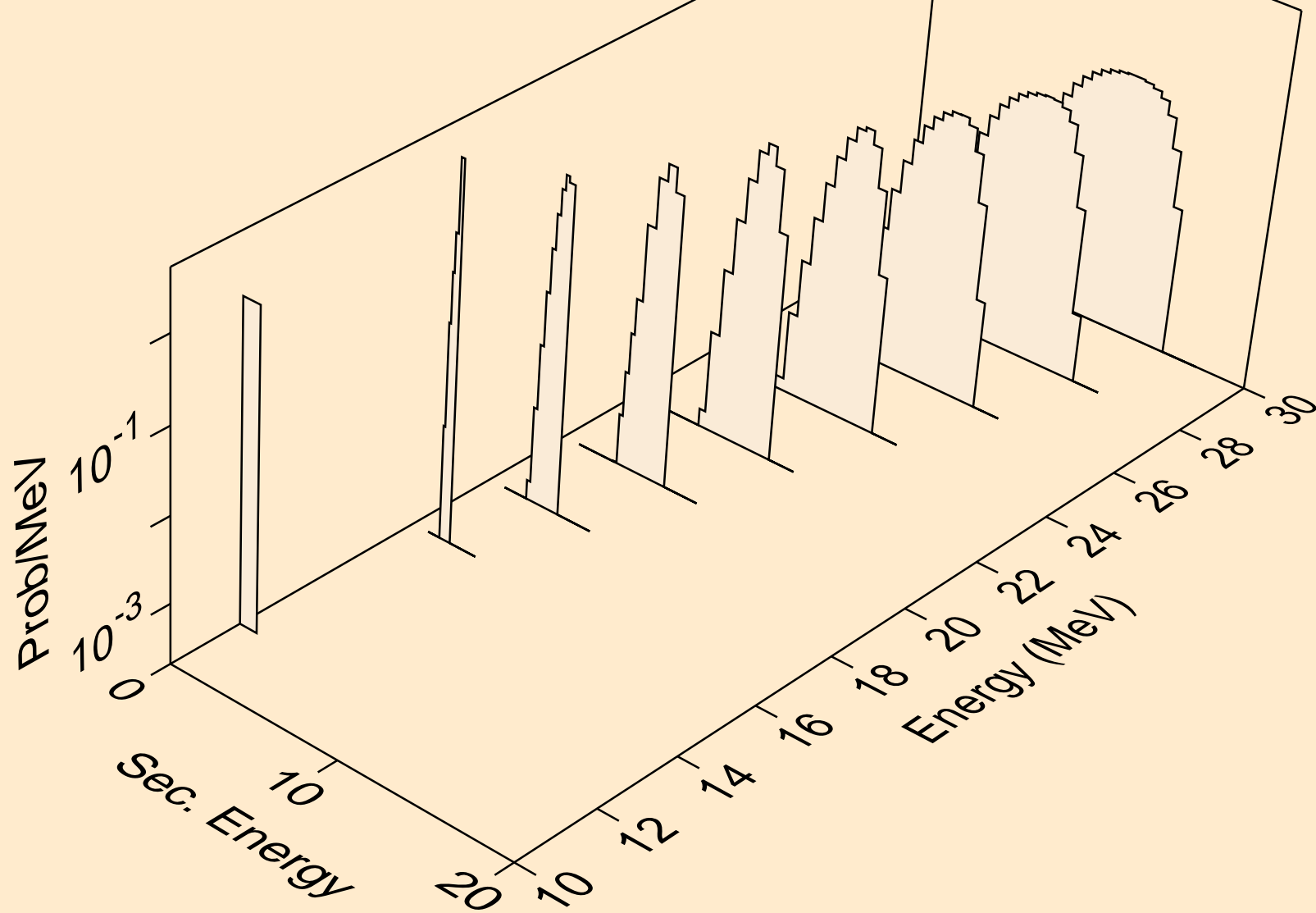
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (s,t)



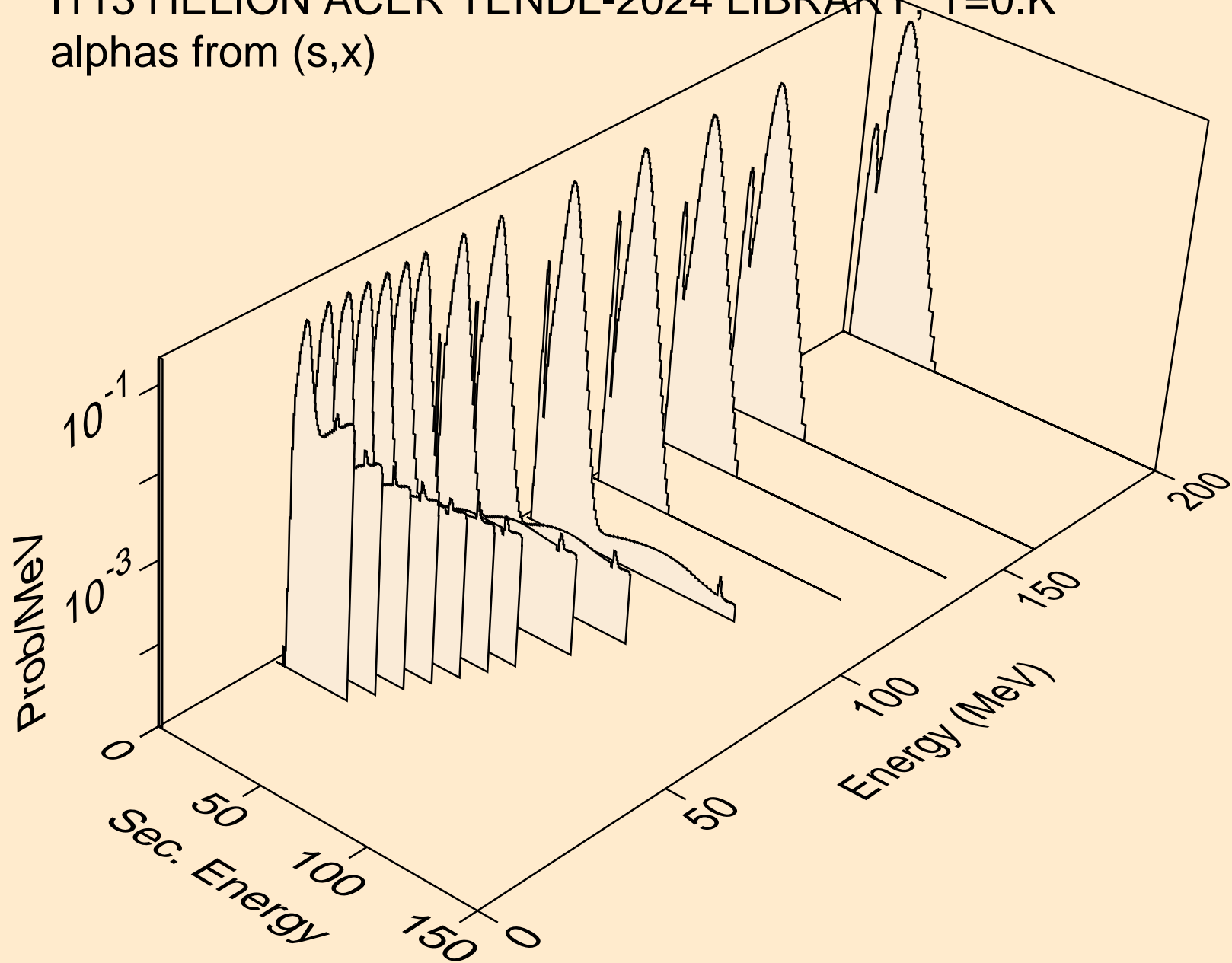
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (s,t2a)



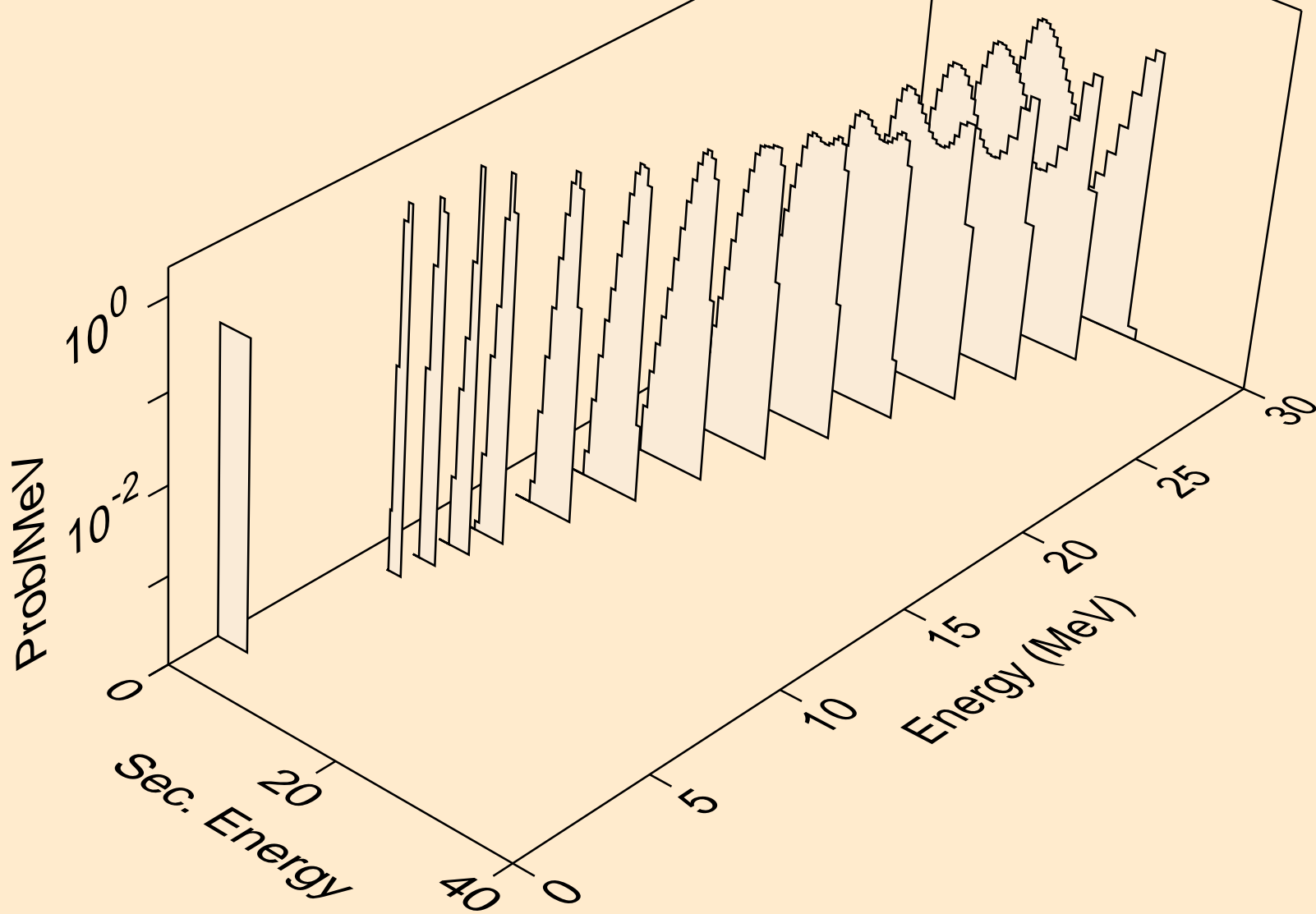
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (s,pt)



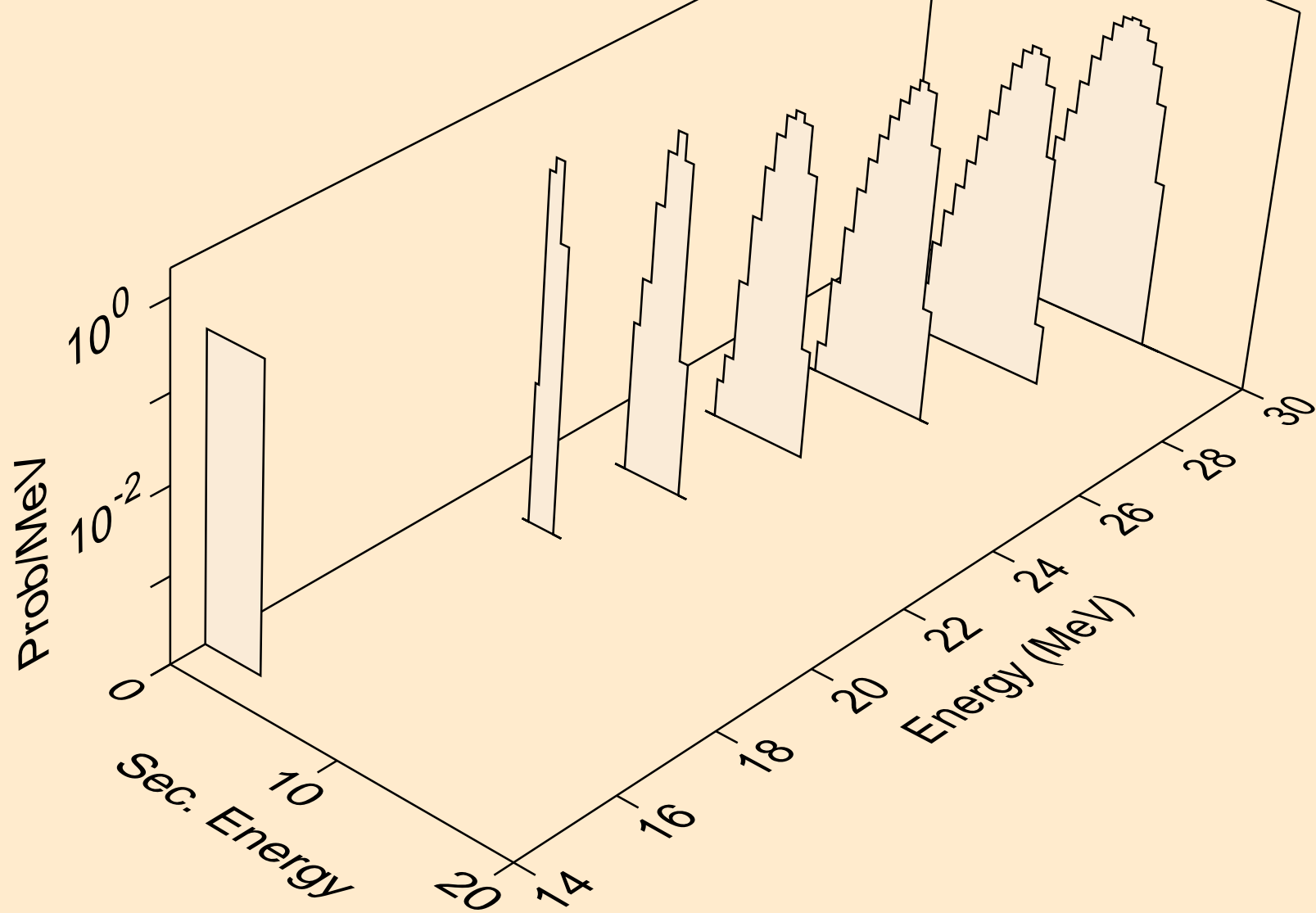
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,x)



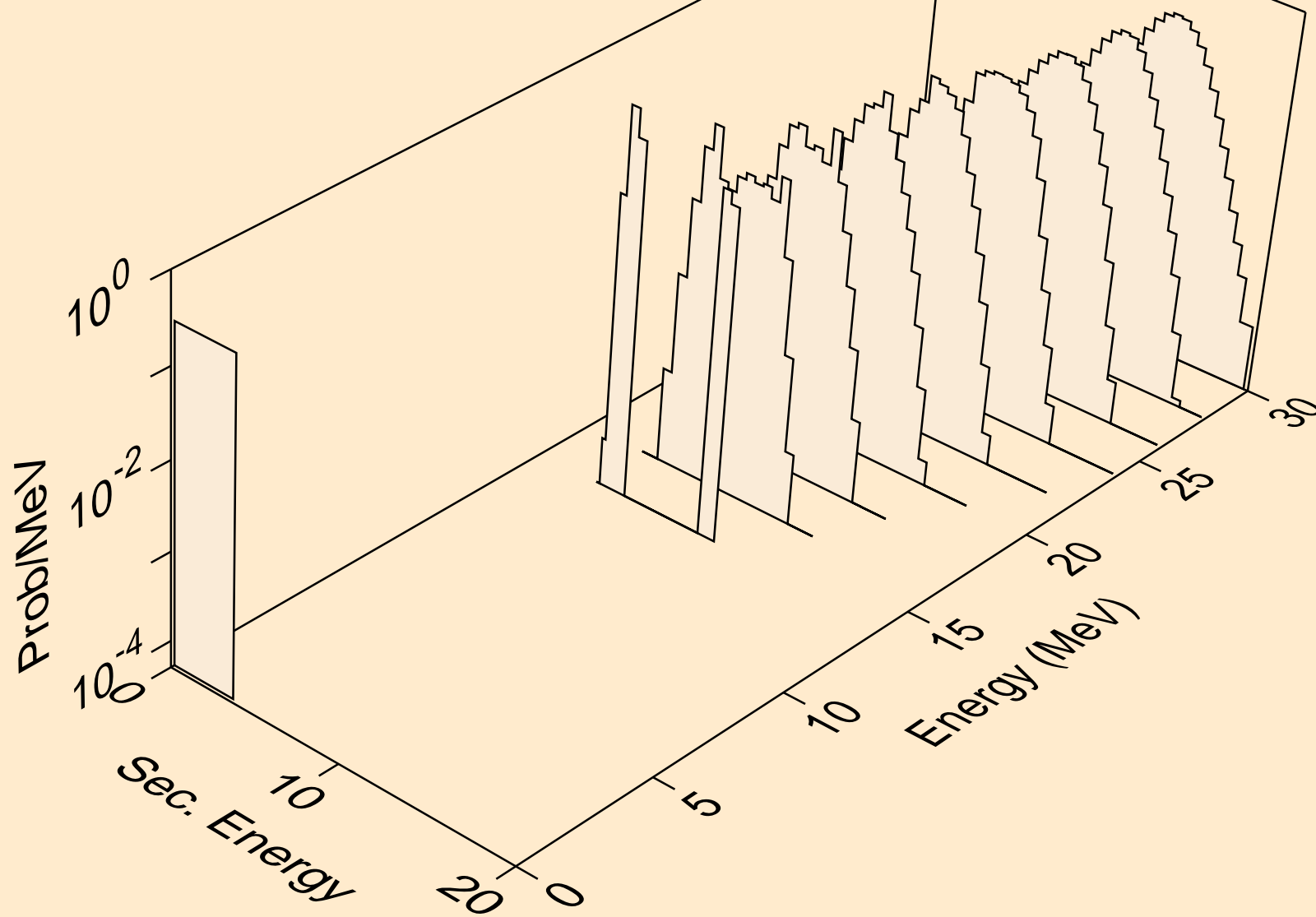
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,n\*)a



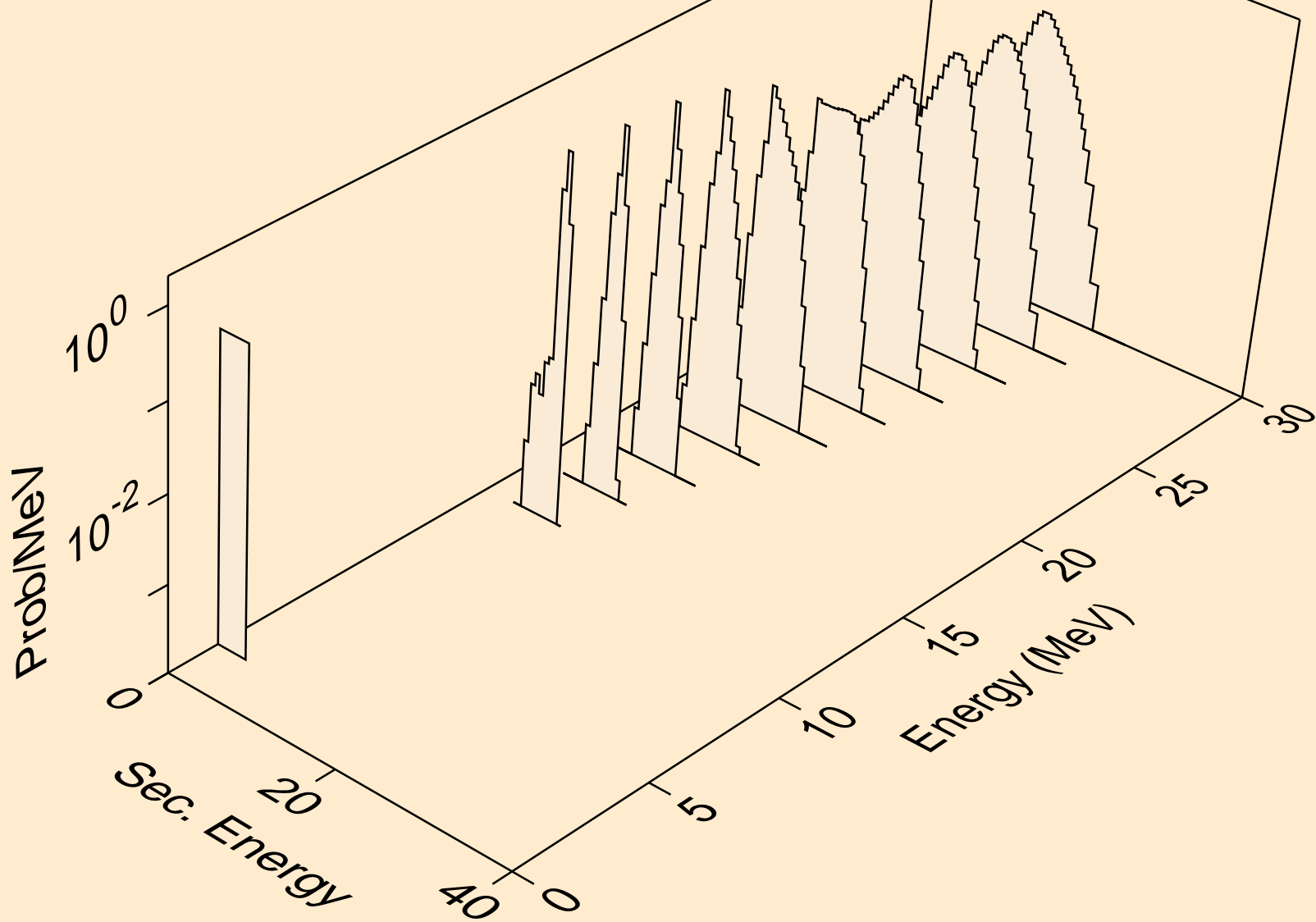
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,2n)a



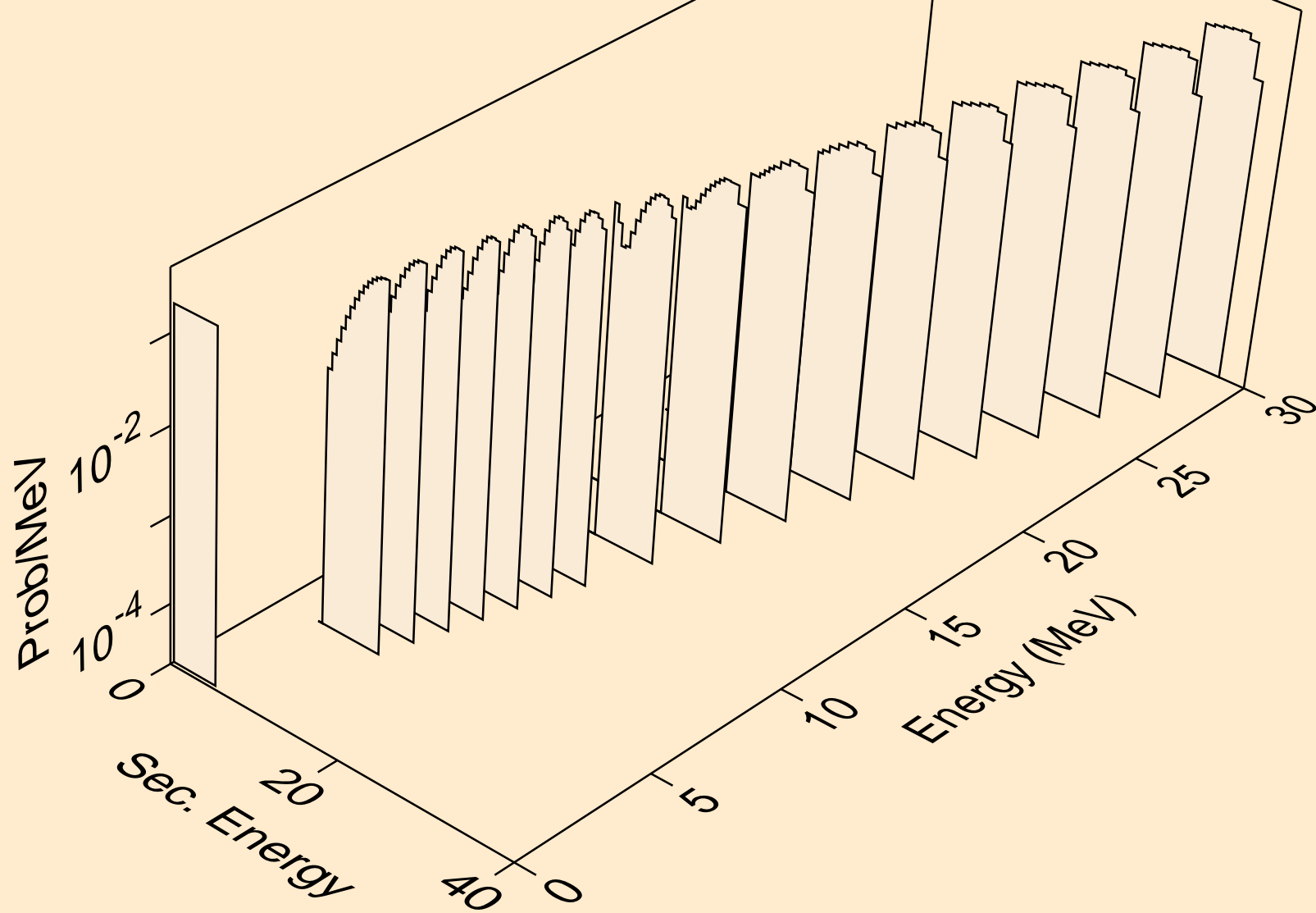
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,n\*)2a



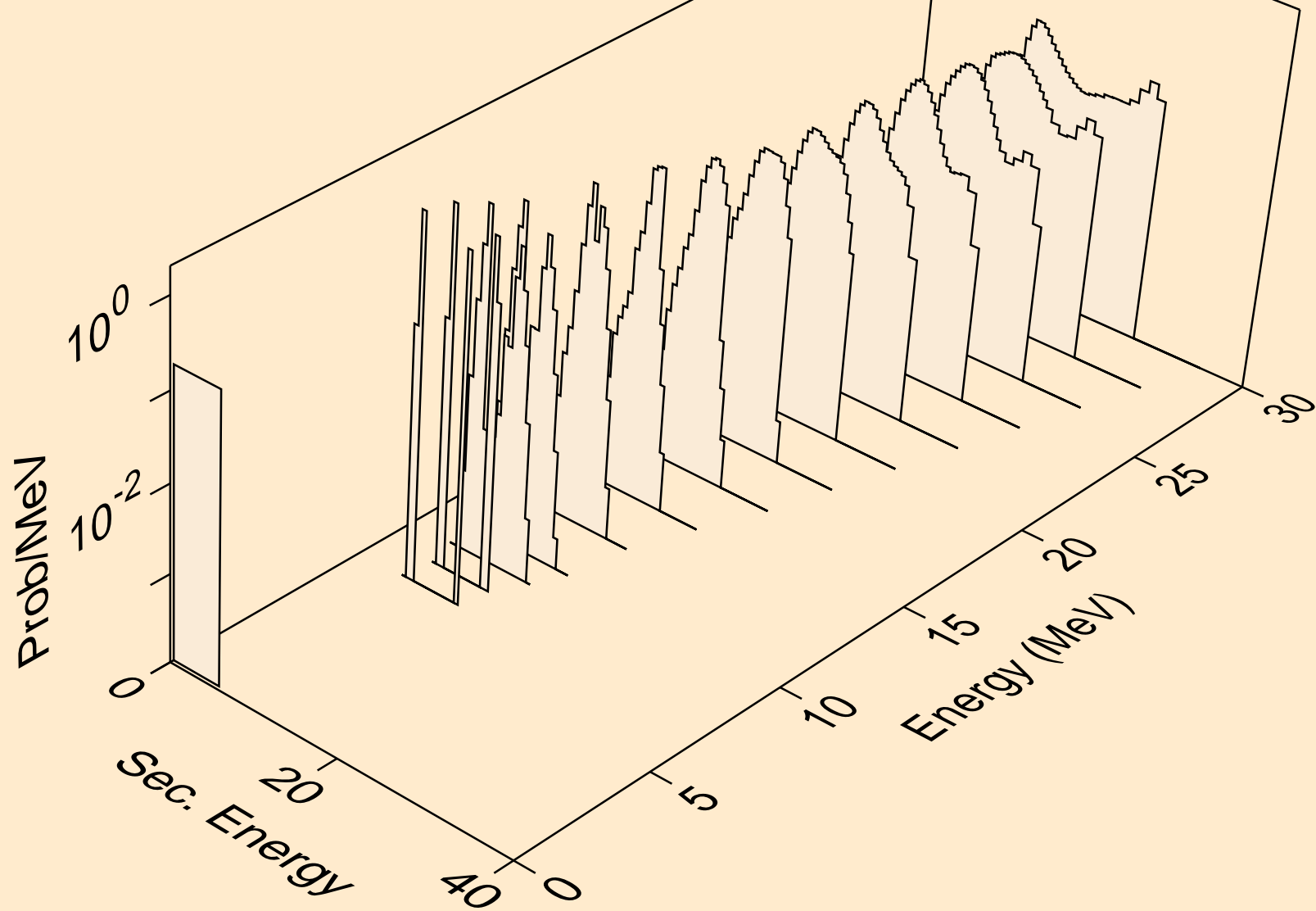
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,npa)



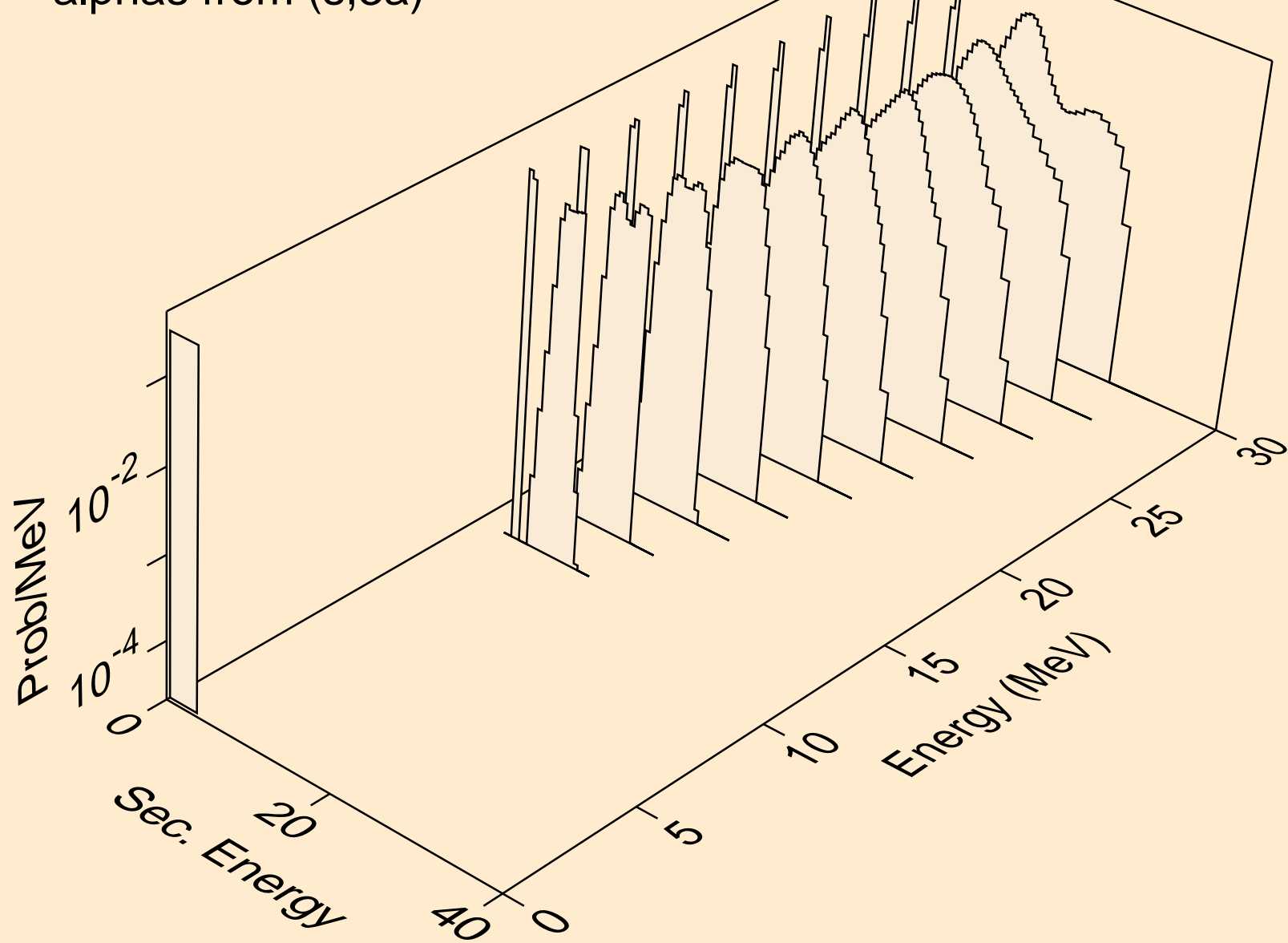
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,a)



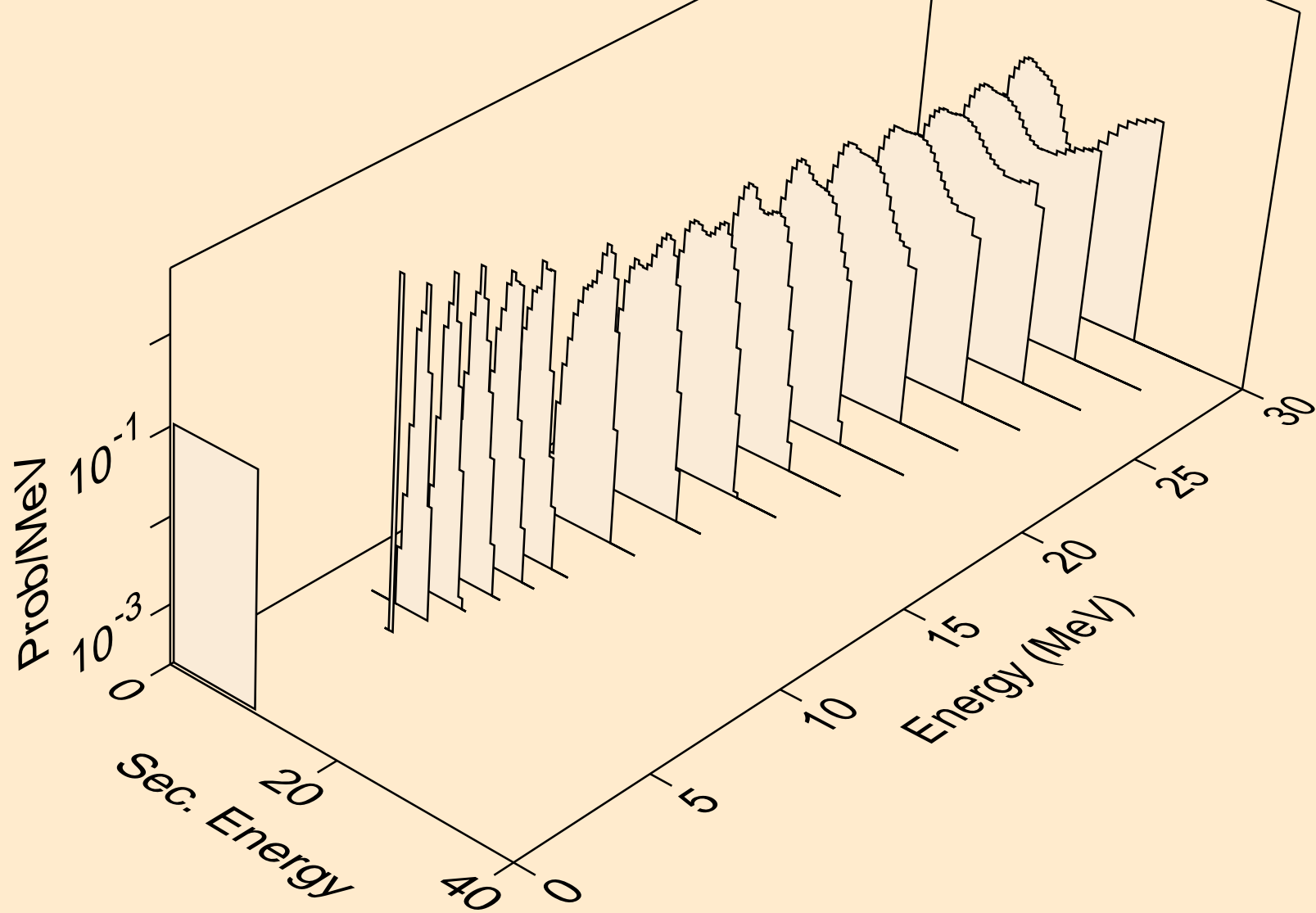
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,2a)



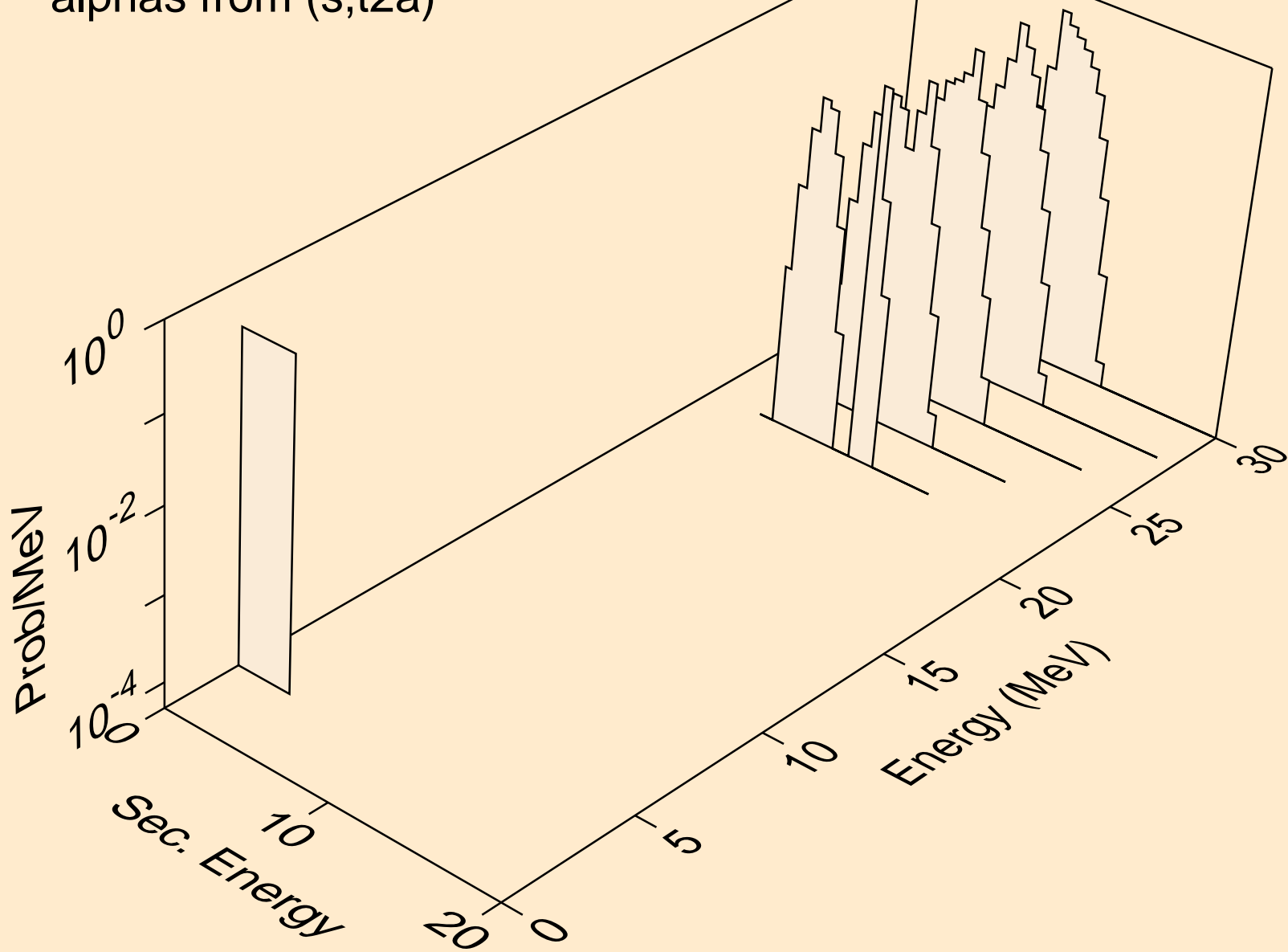
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,3a)



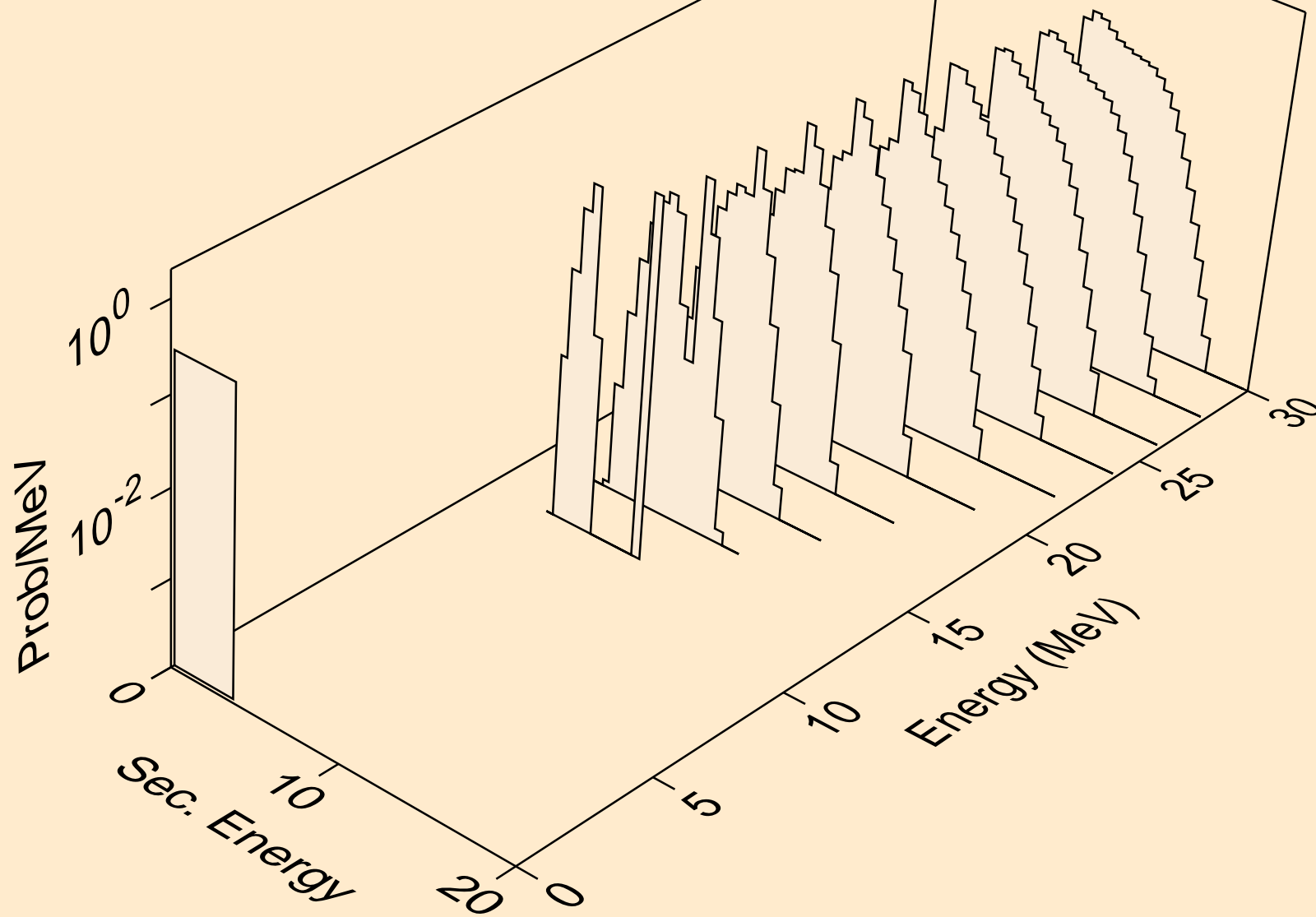
I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,pa)



I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,t2a)



I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,d2a)



I113 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,da)

