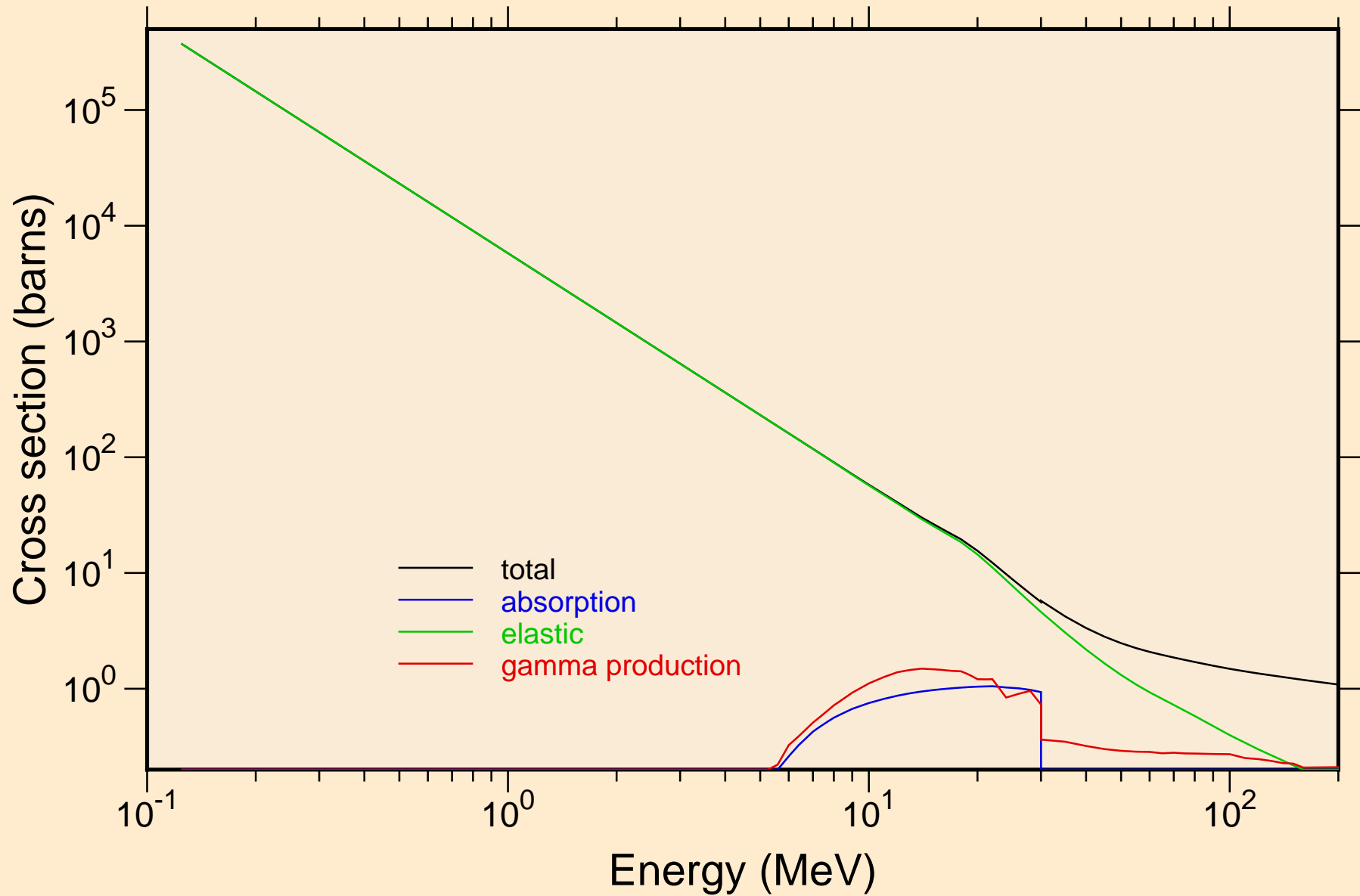
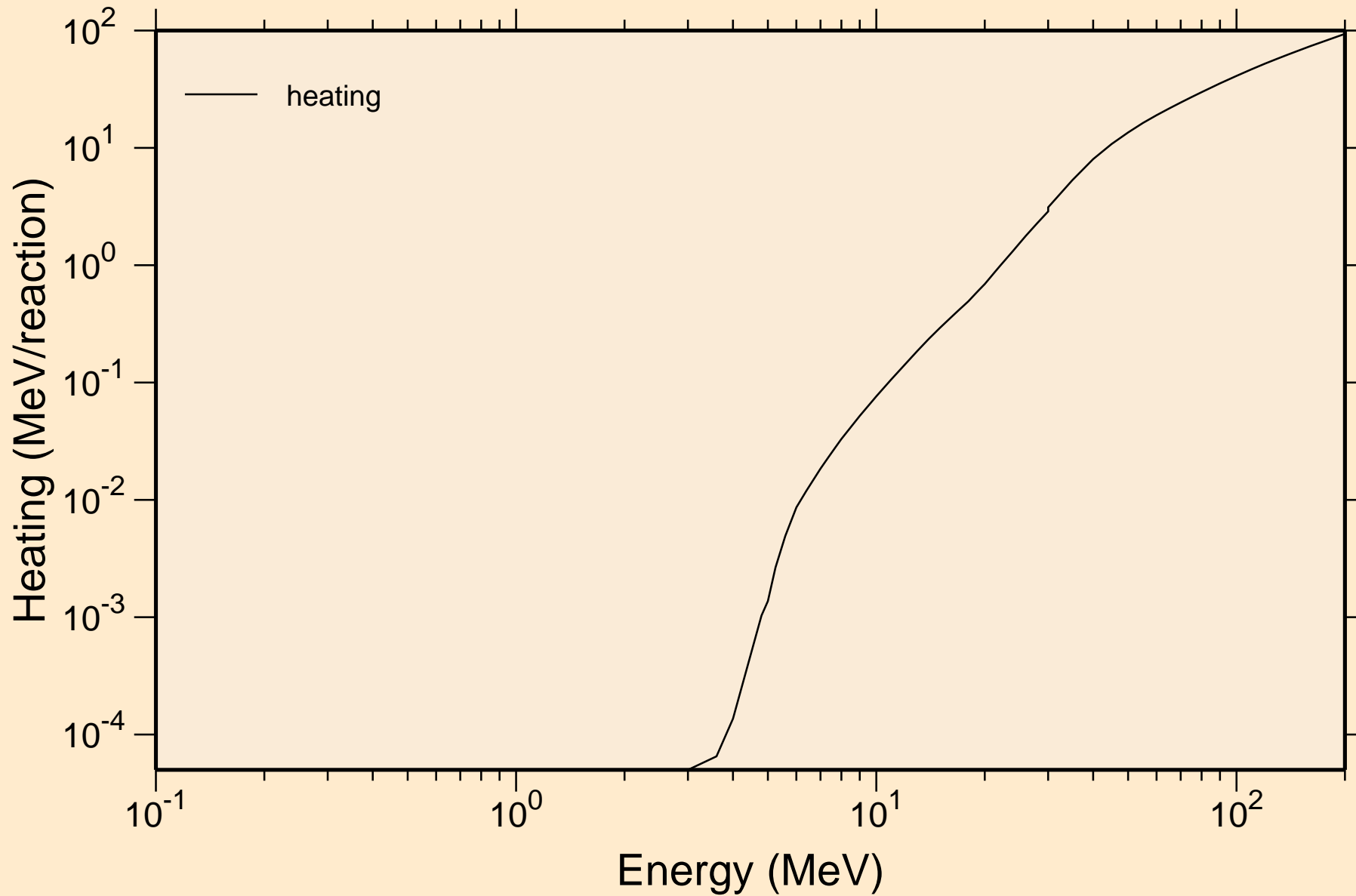


SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



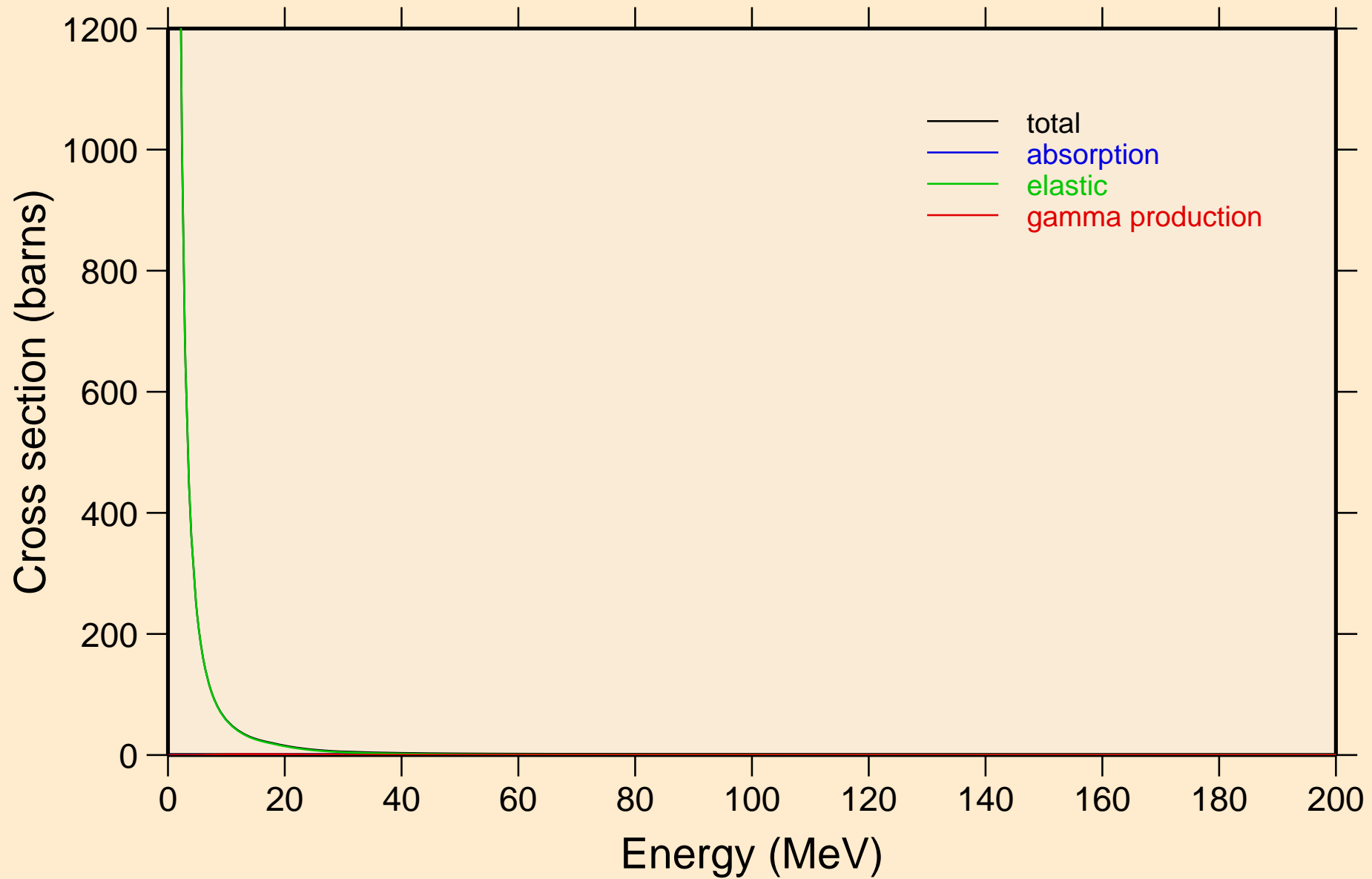
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K

Heating



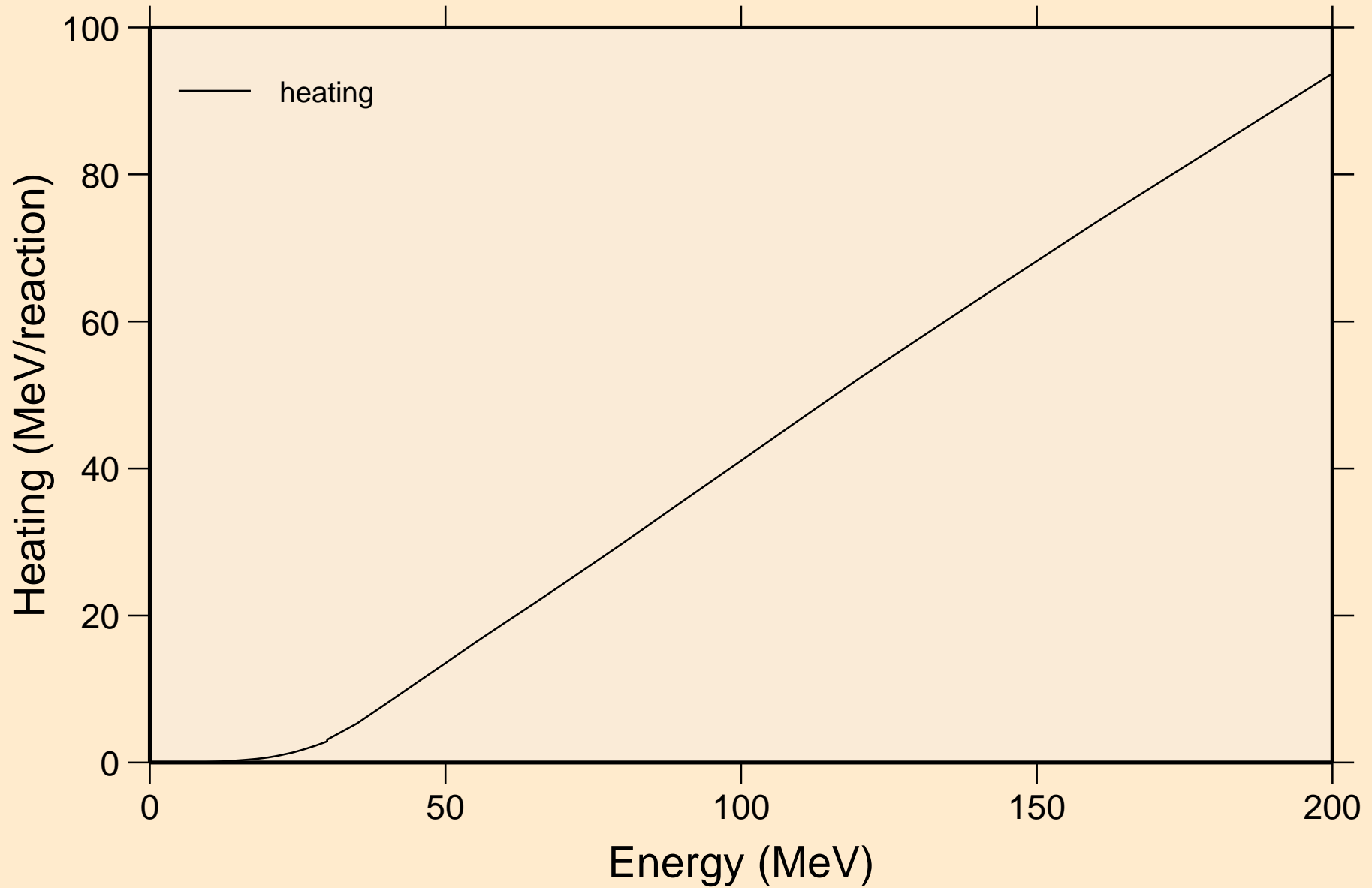
# SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

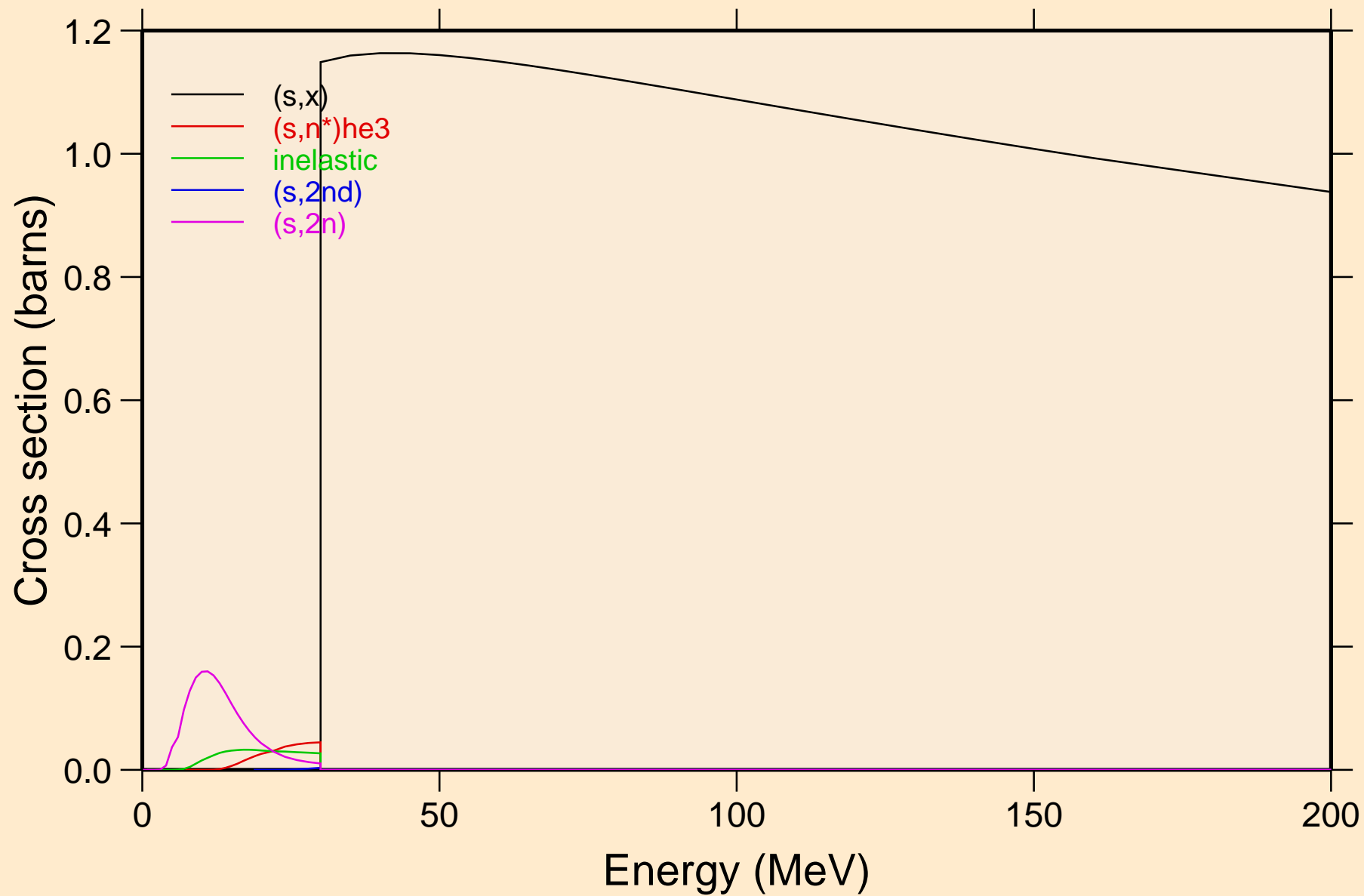


SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K

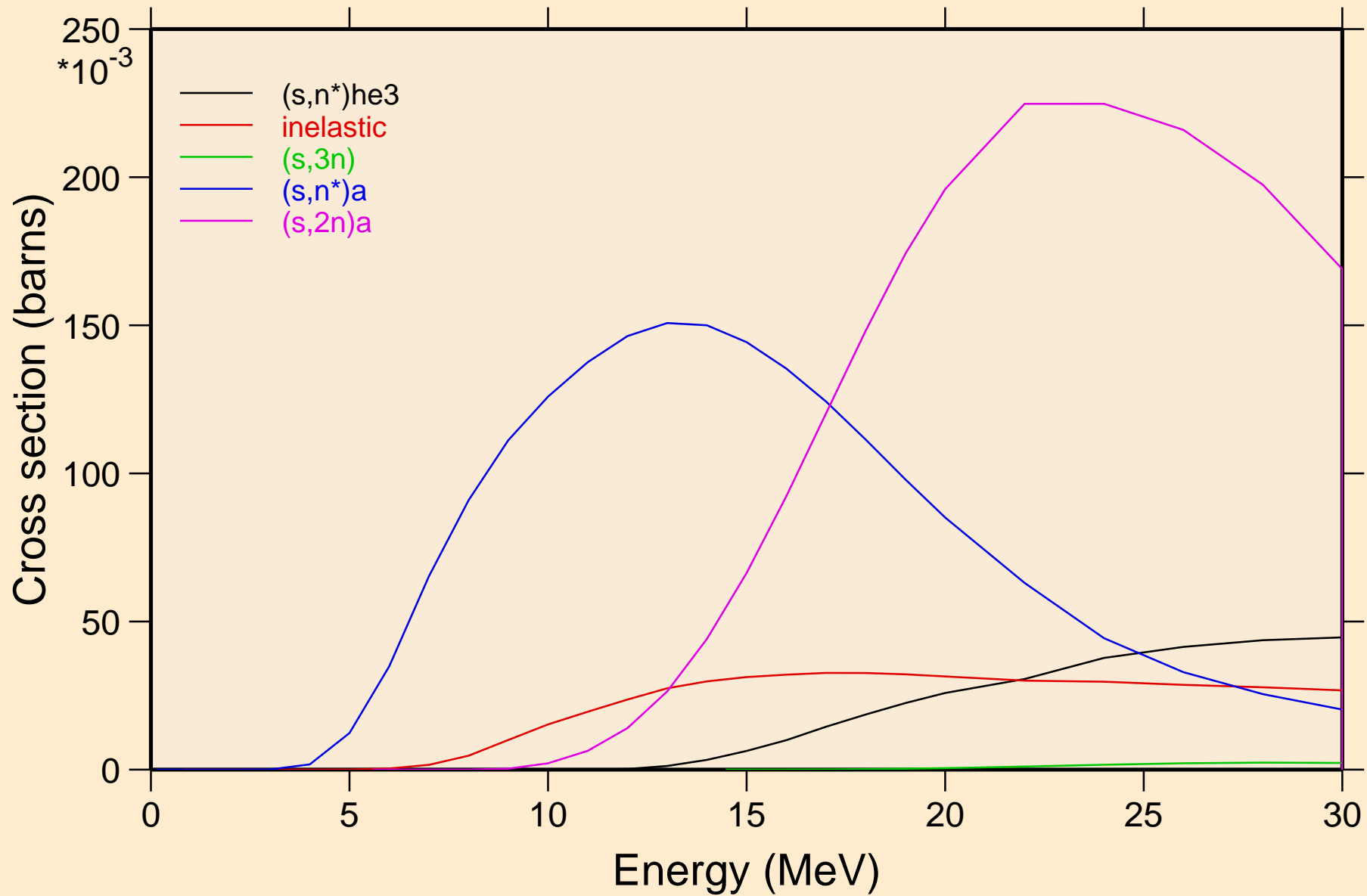
Heating



SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

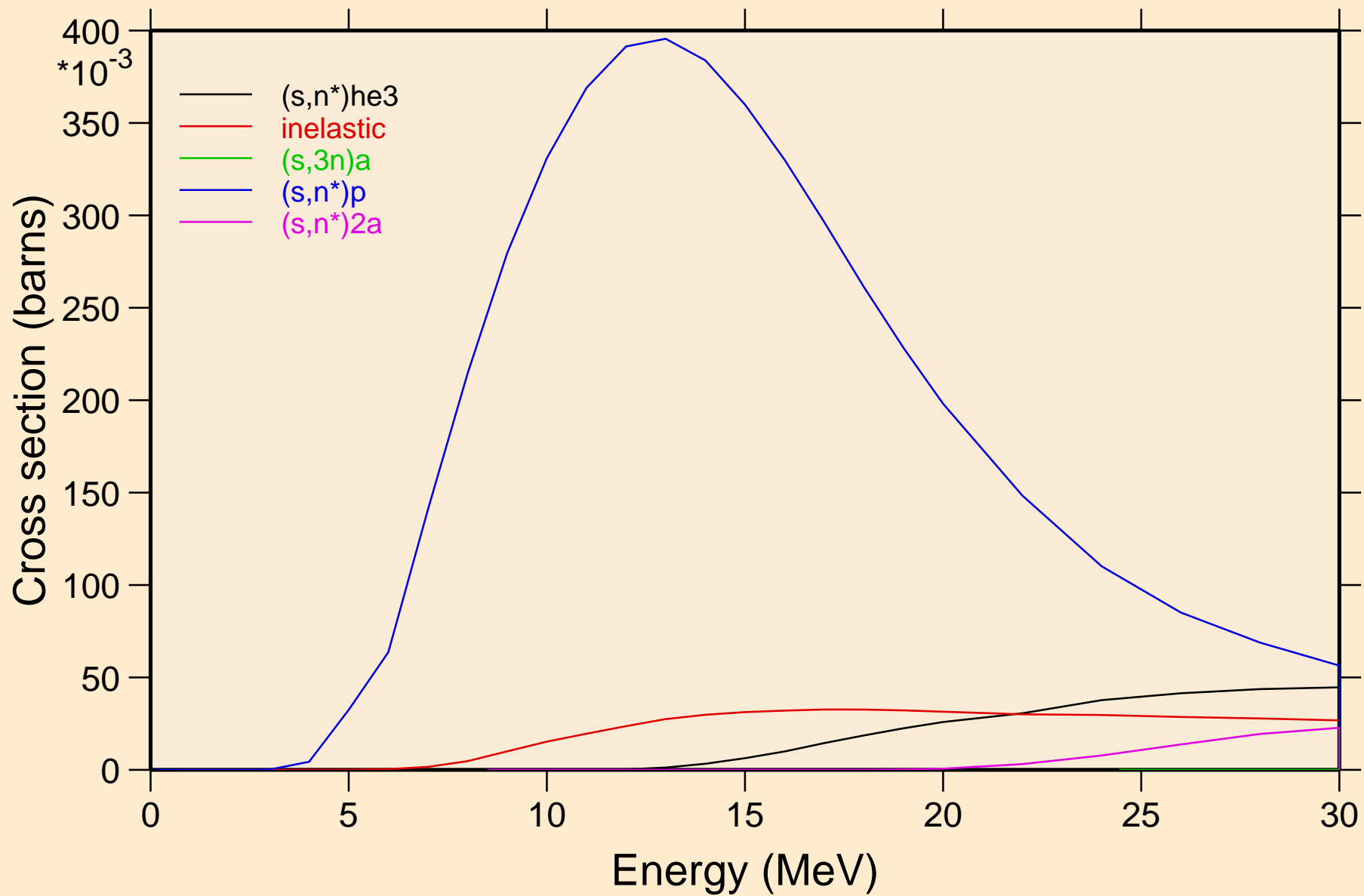


SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

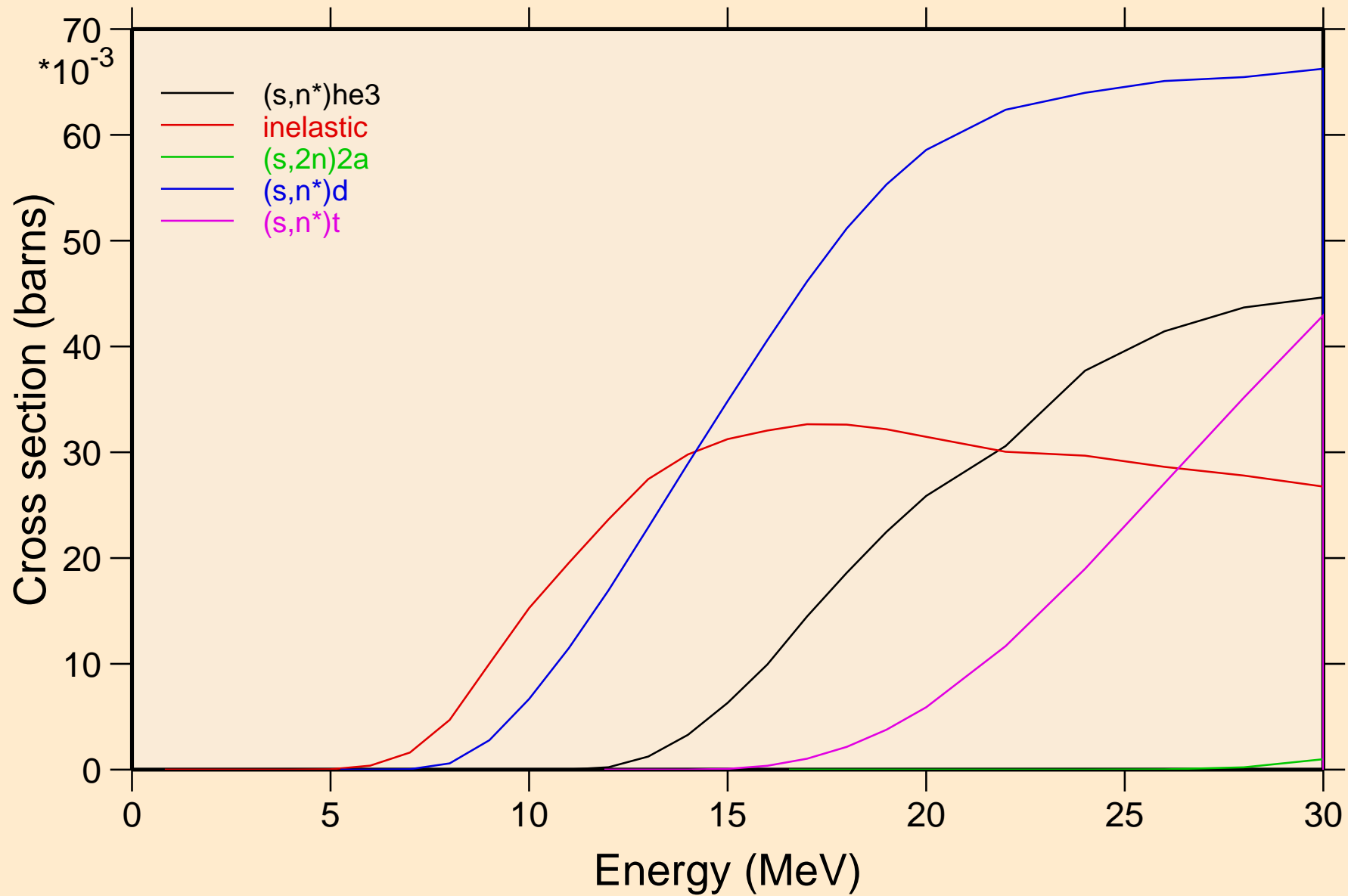


# SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K

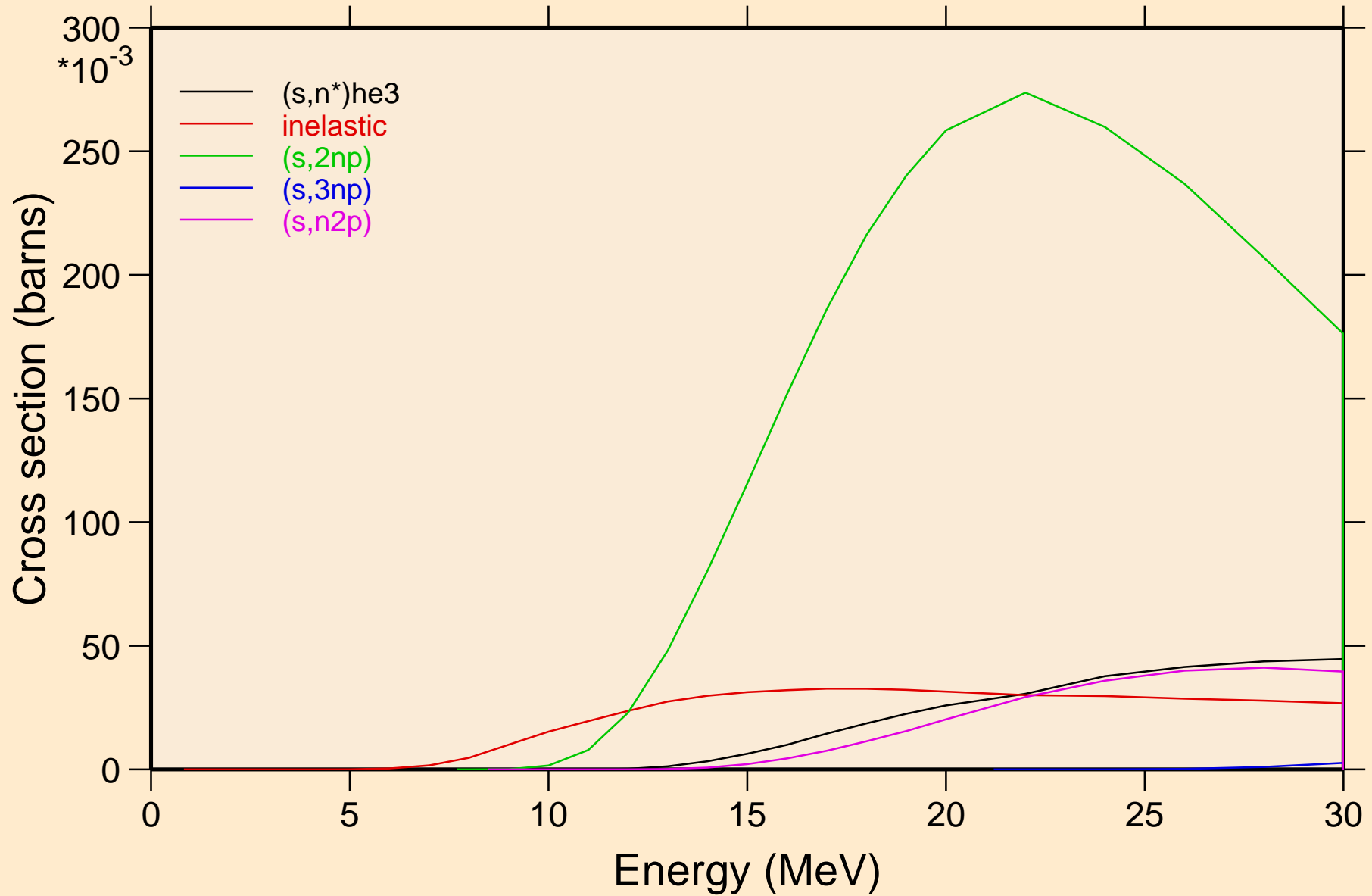
## Threshold reactions



SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

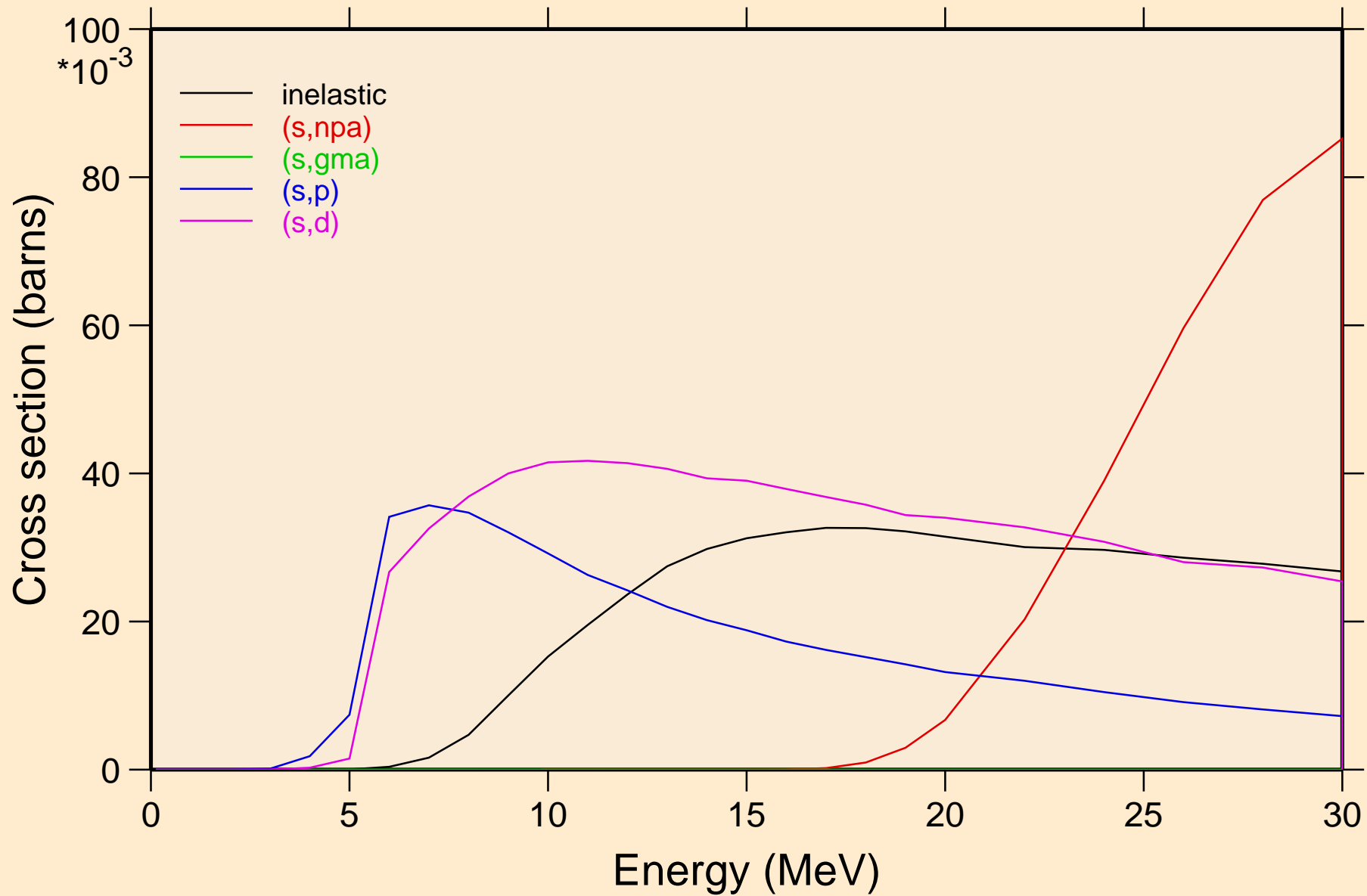


SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

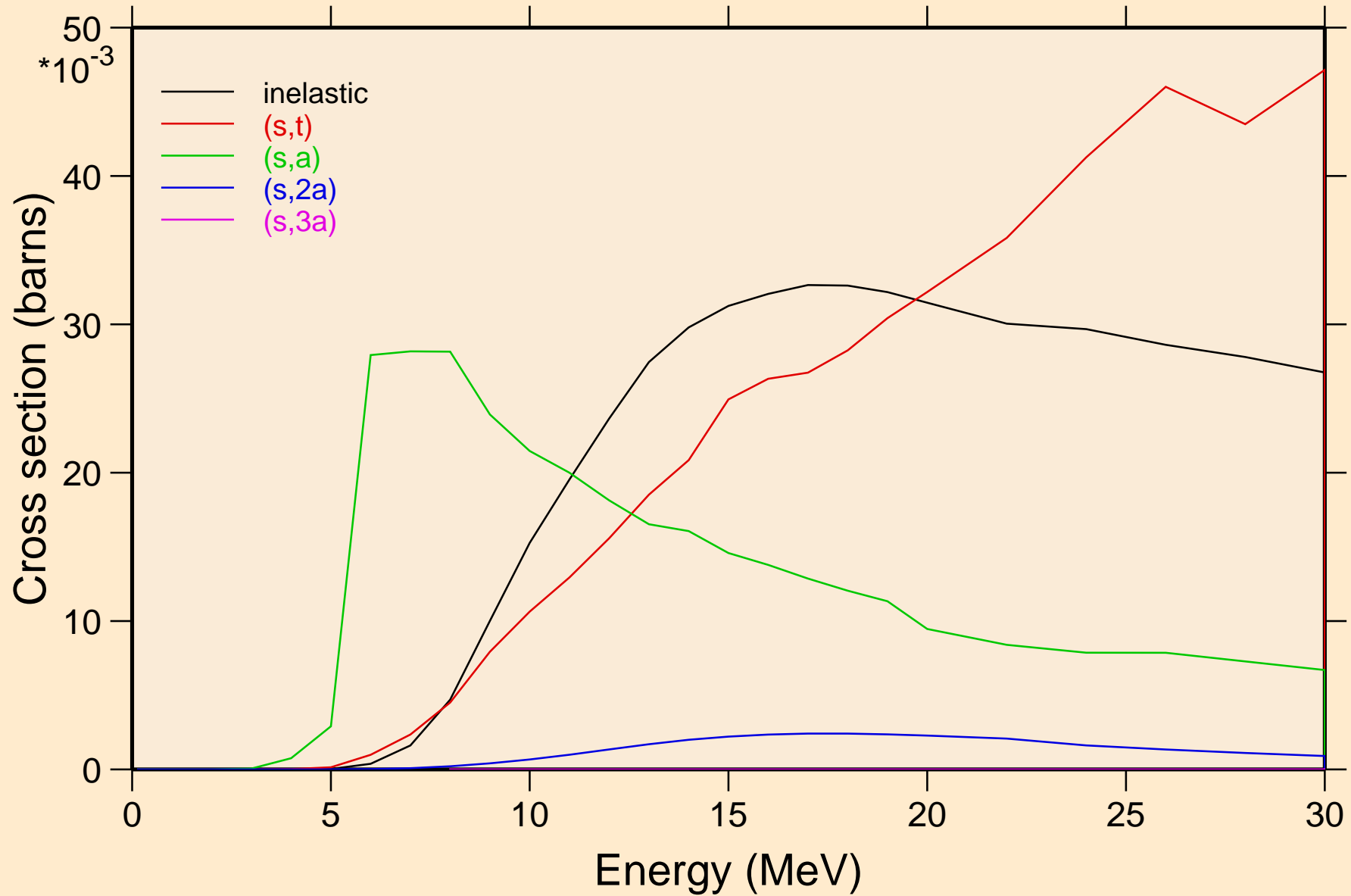


# SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K

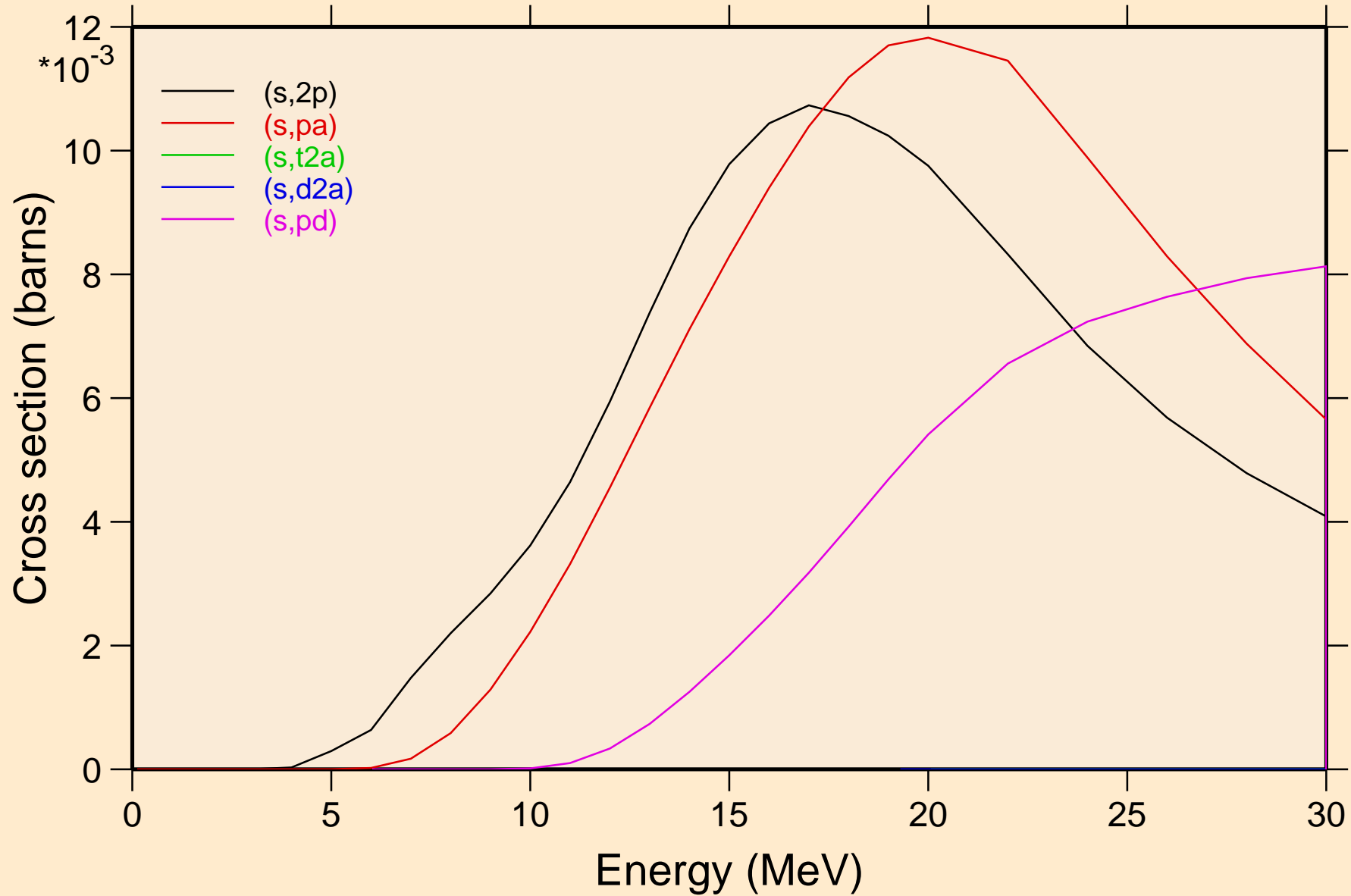
## Threshold reactions



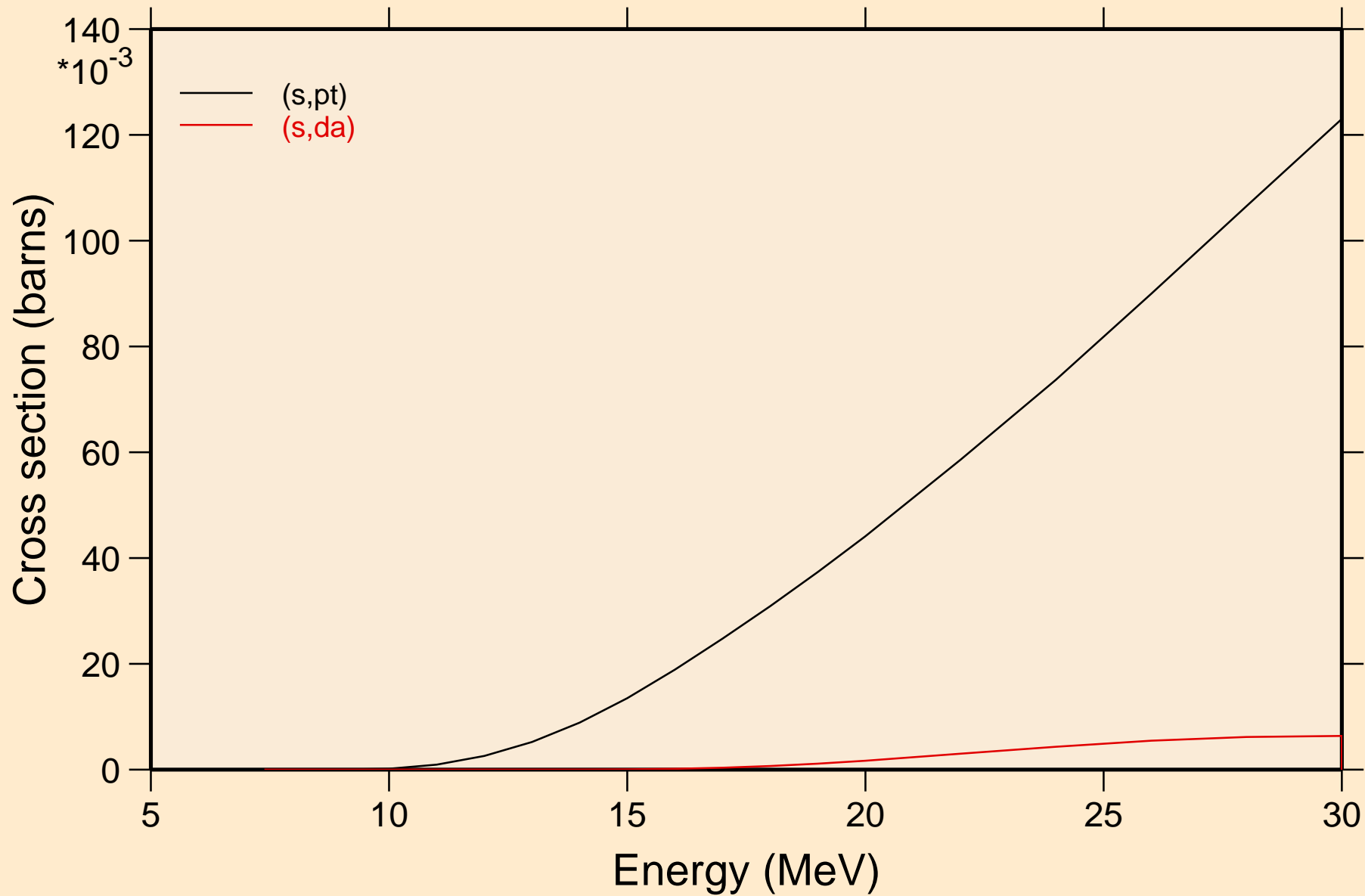
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



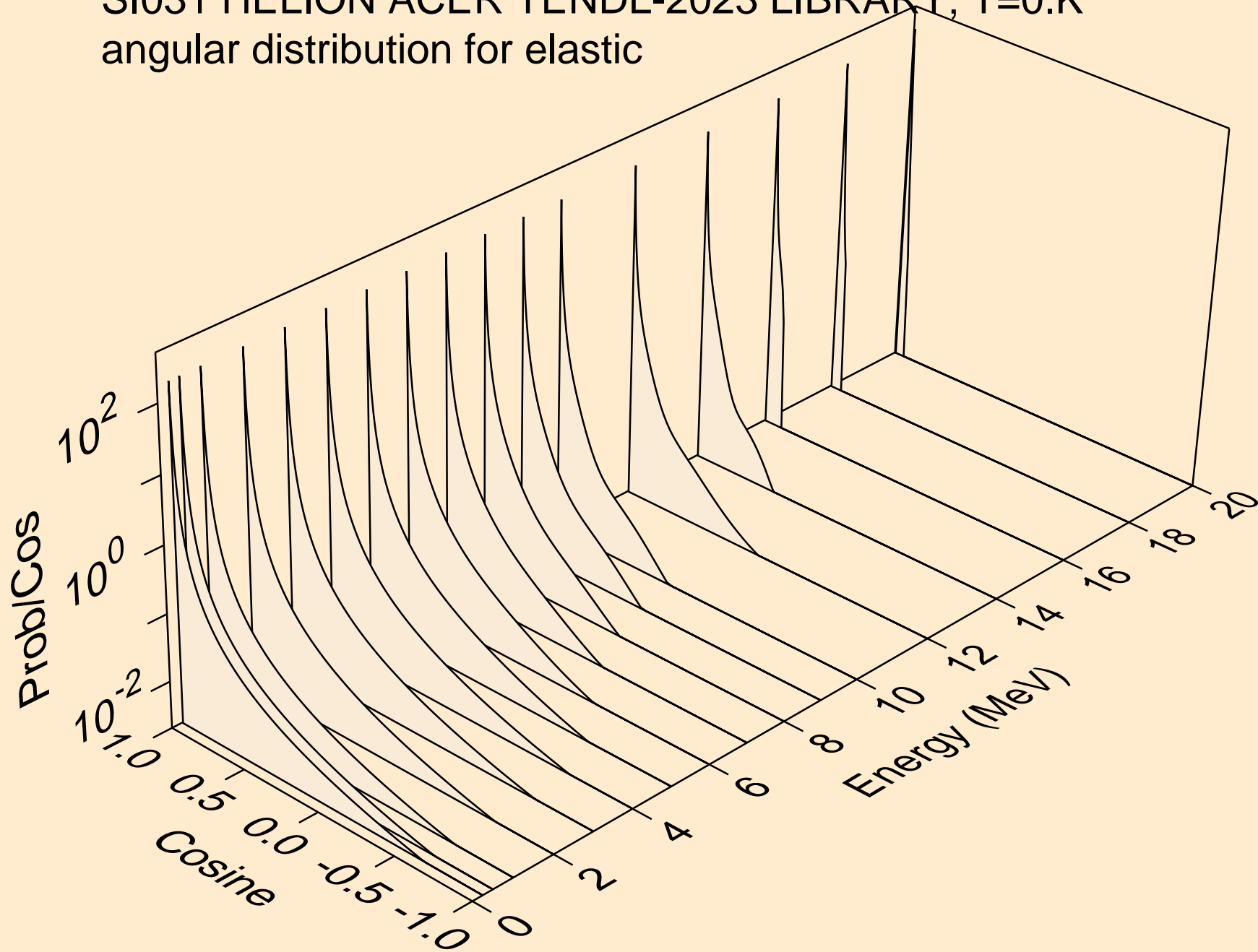
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



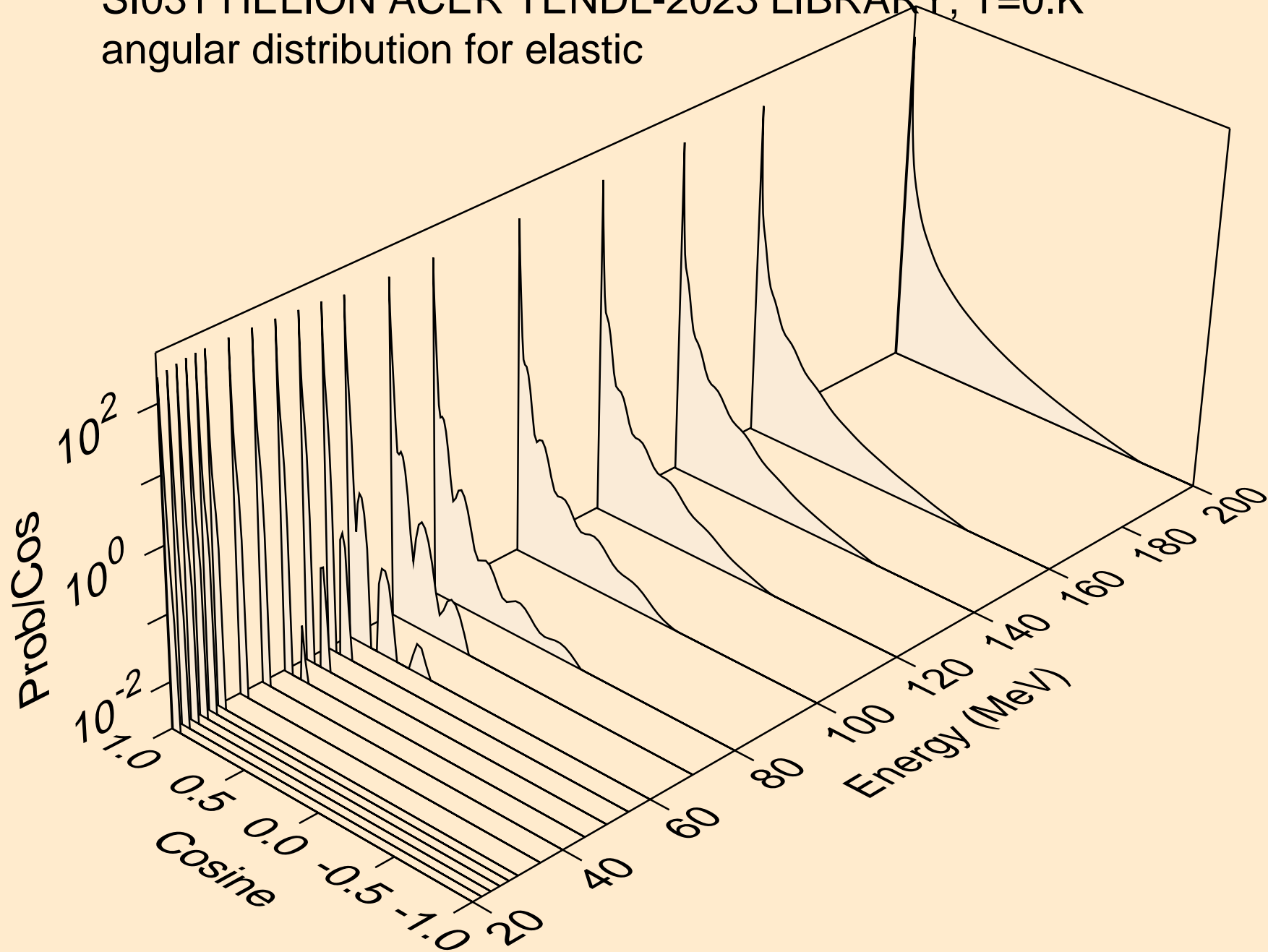
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



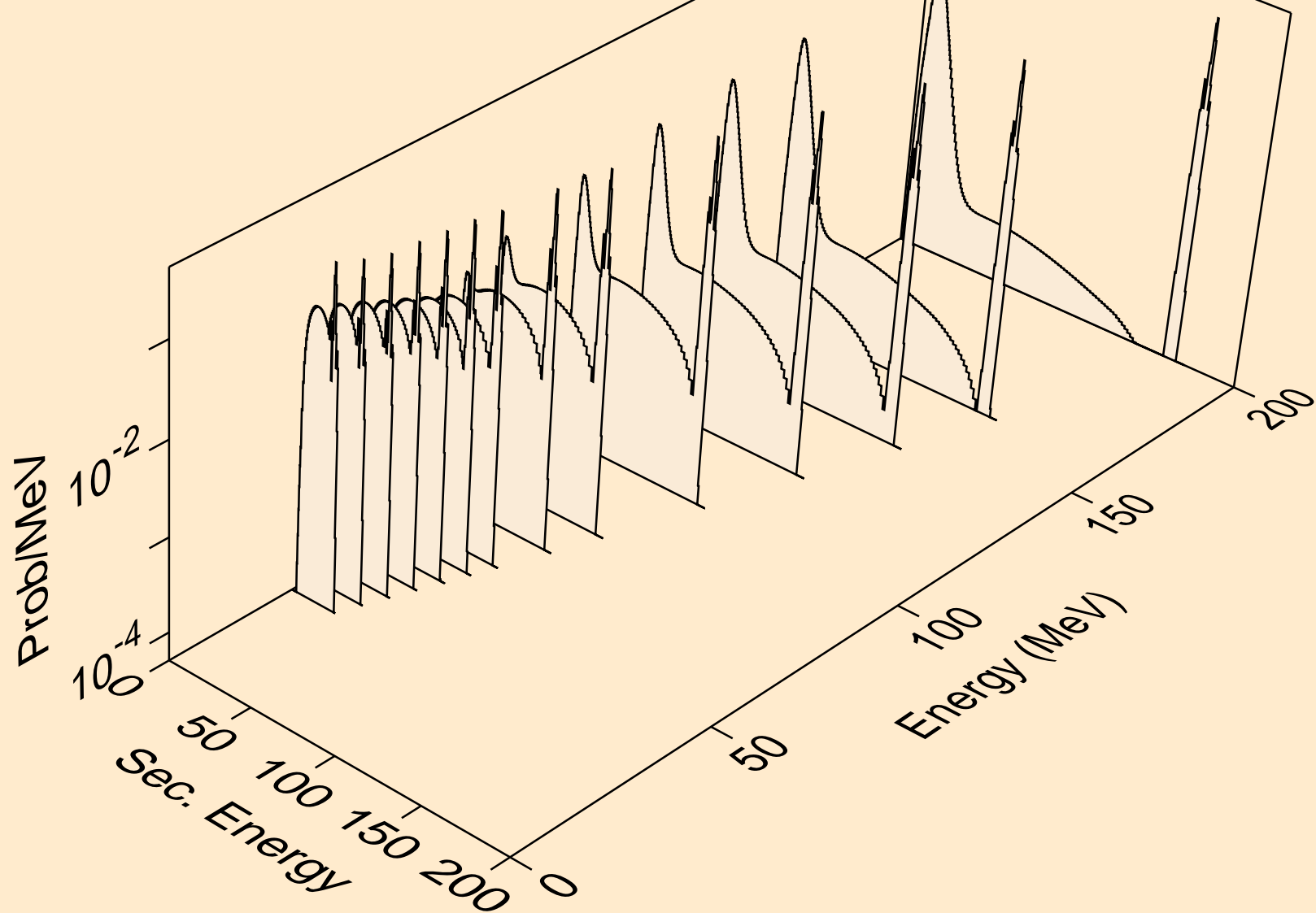
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



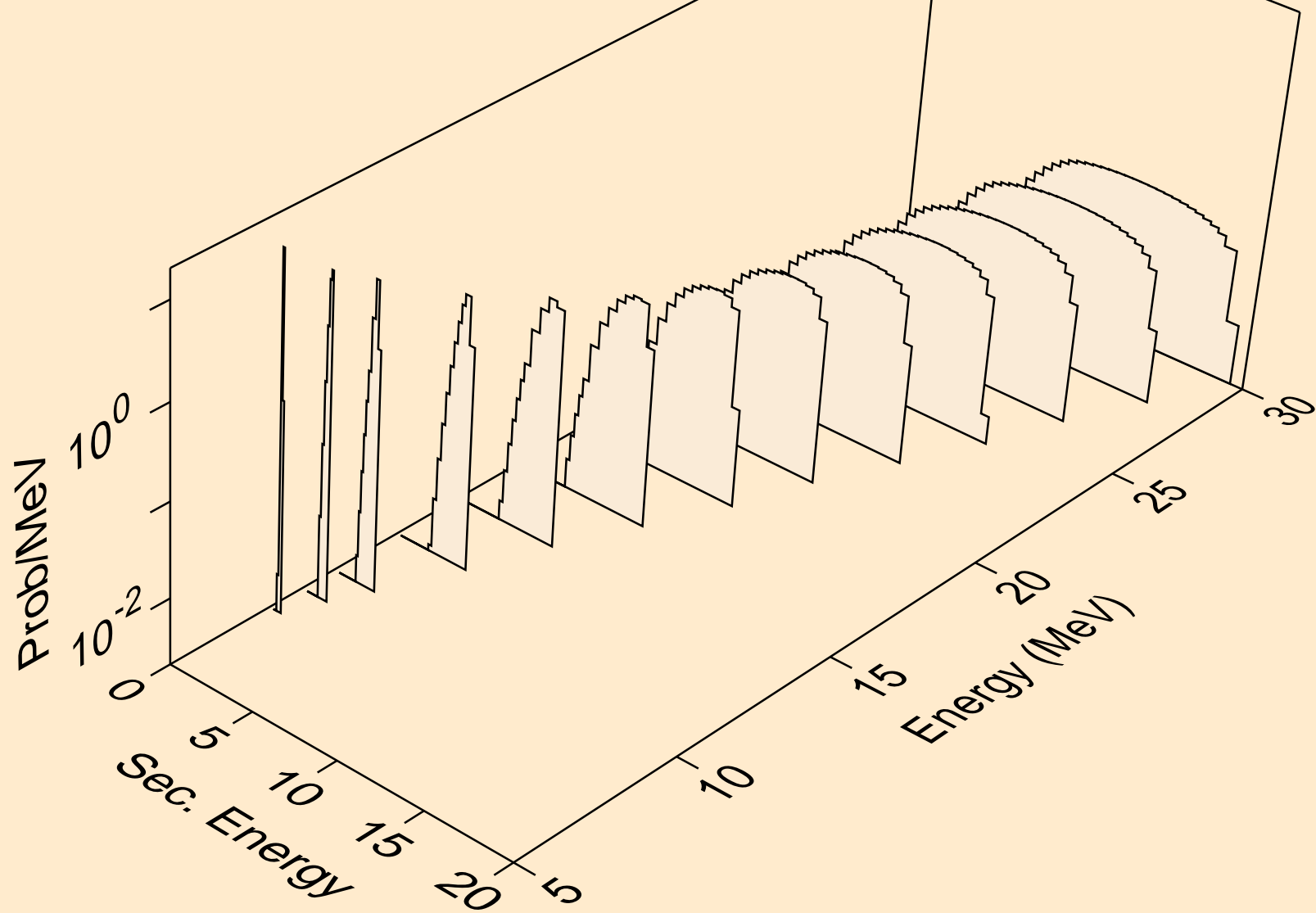
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



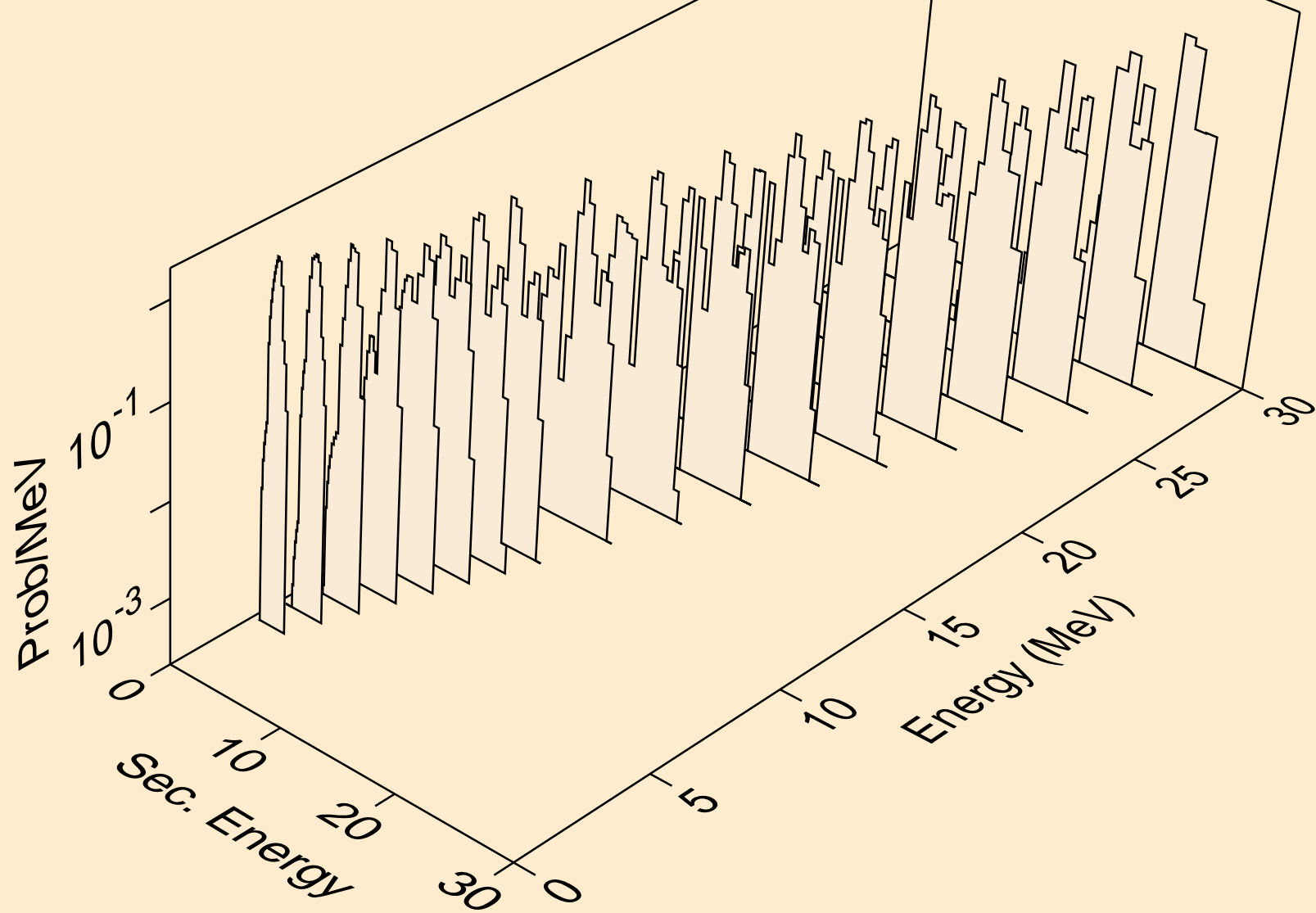
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)



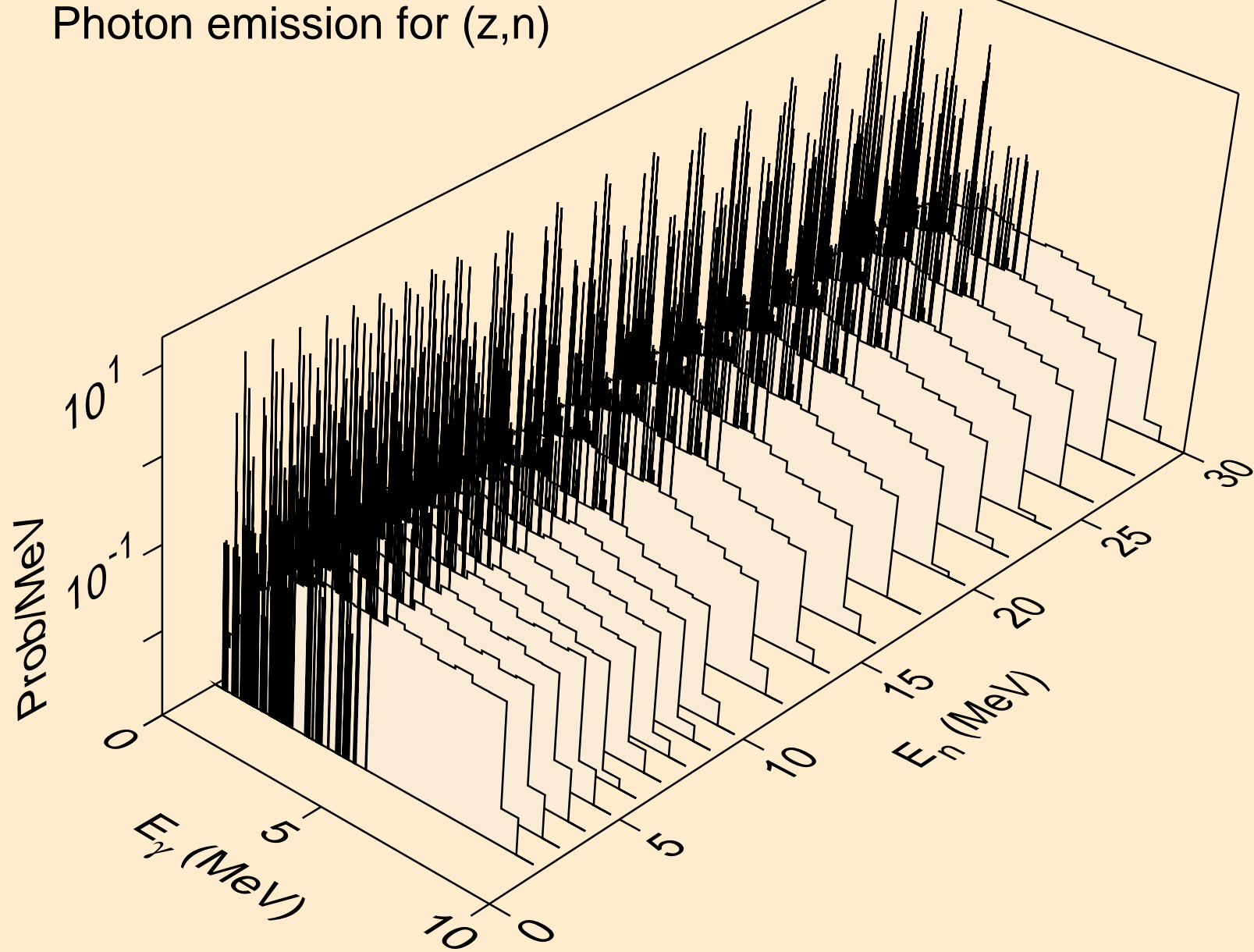
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3



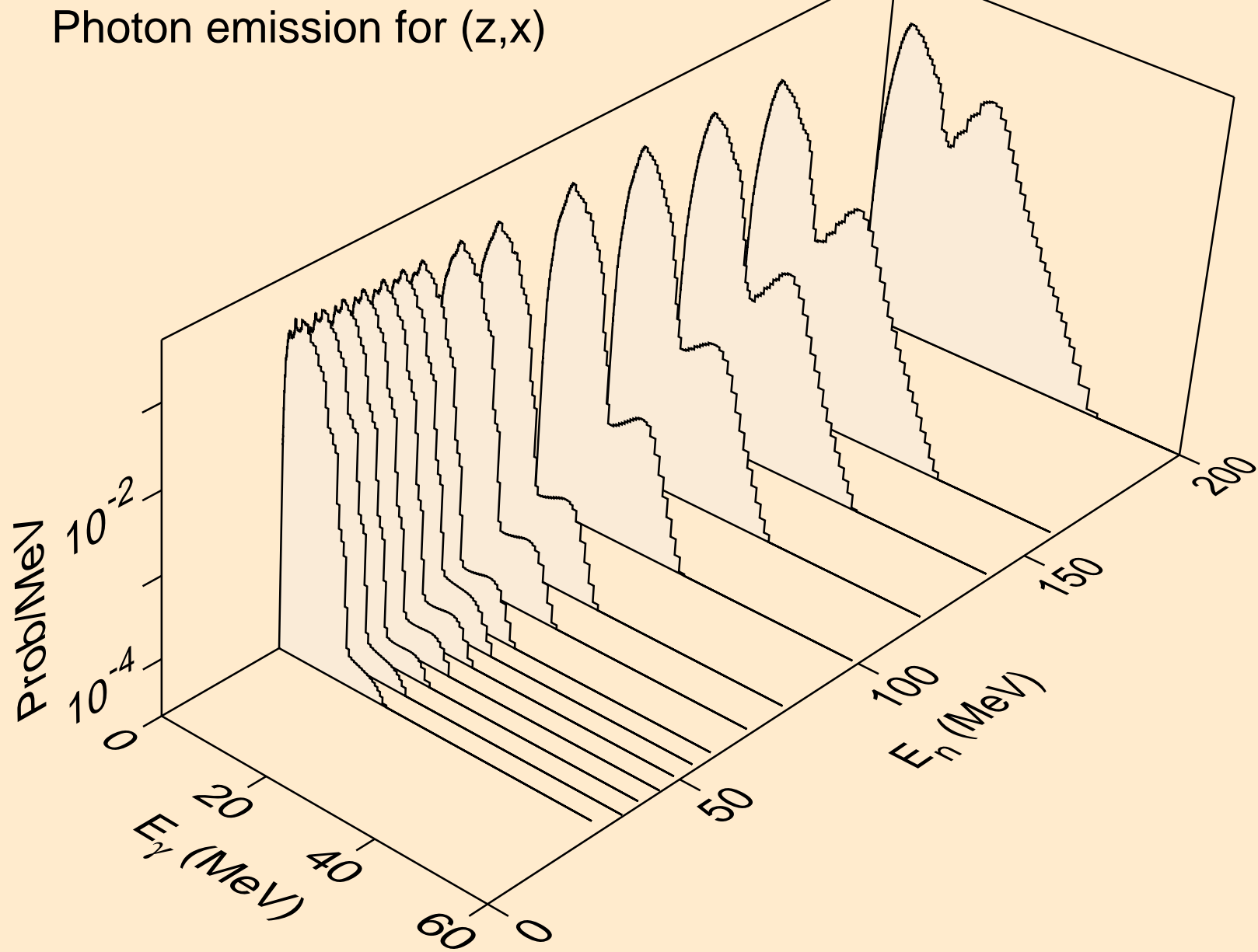
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic



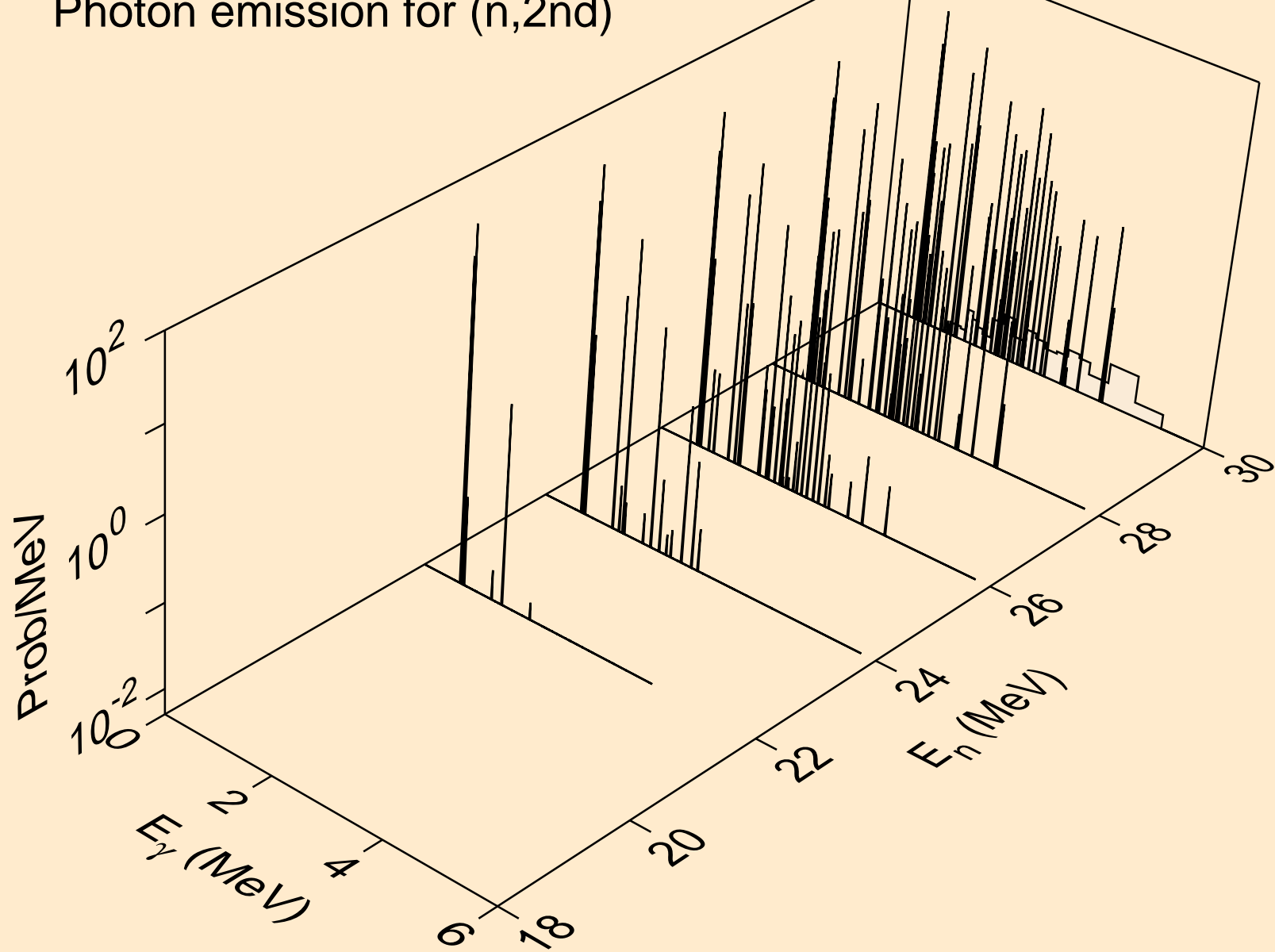
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



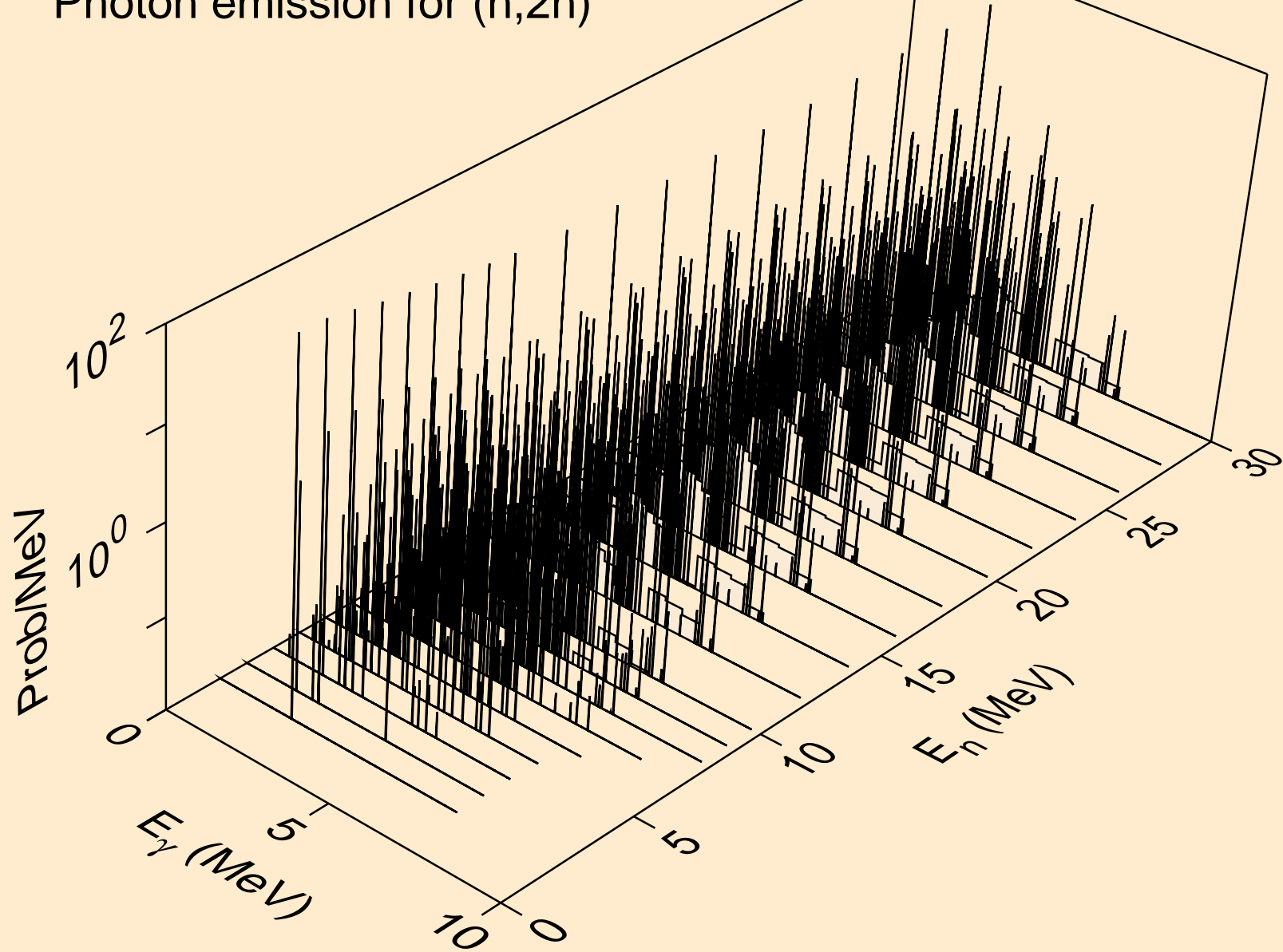
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



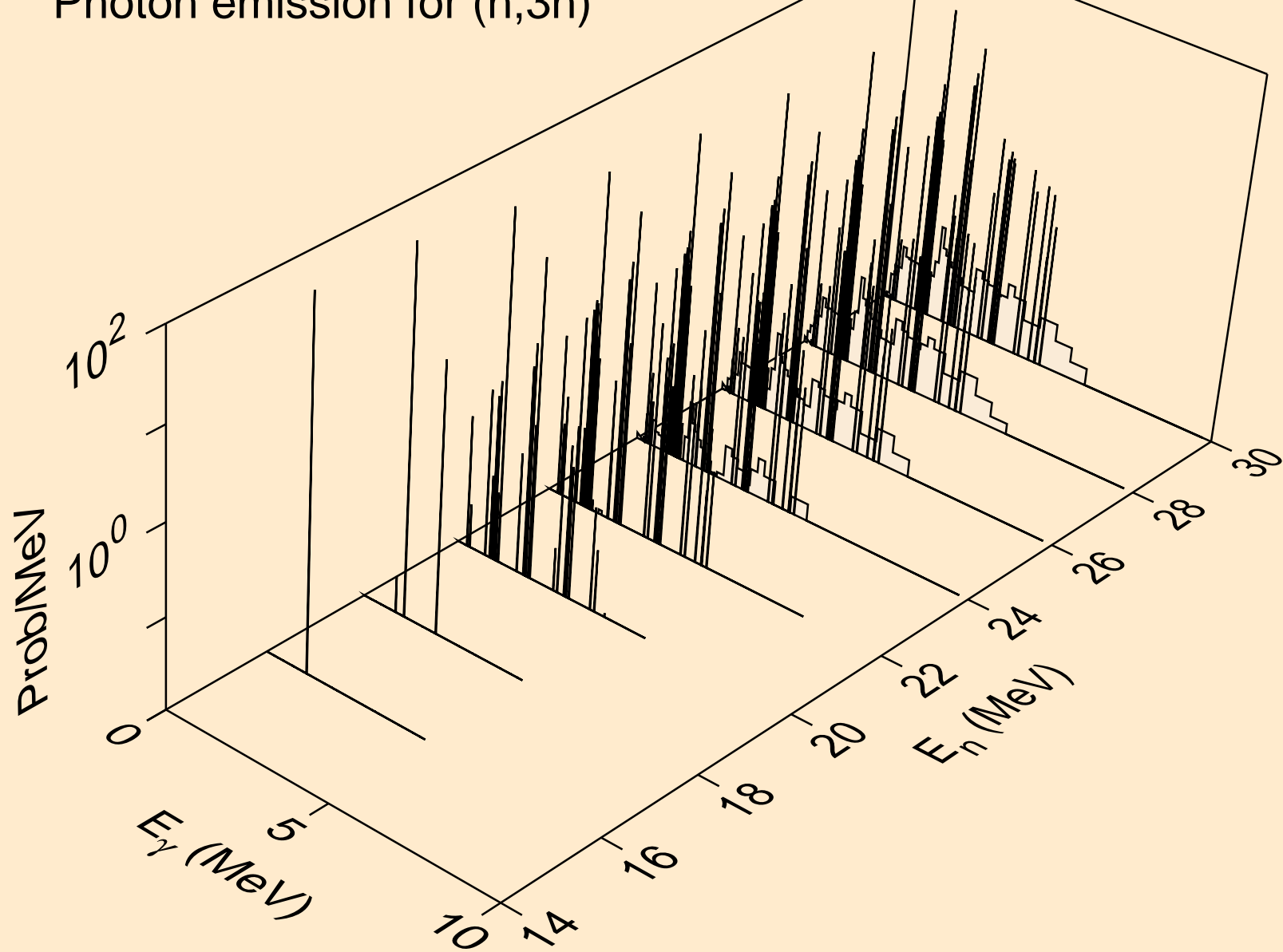
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



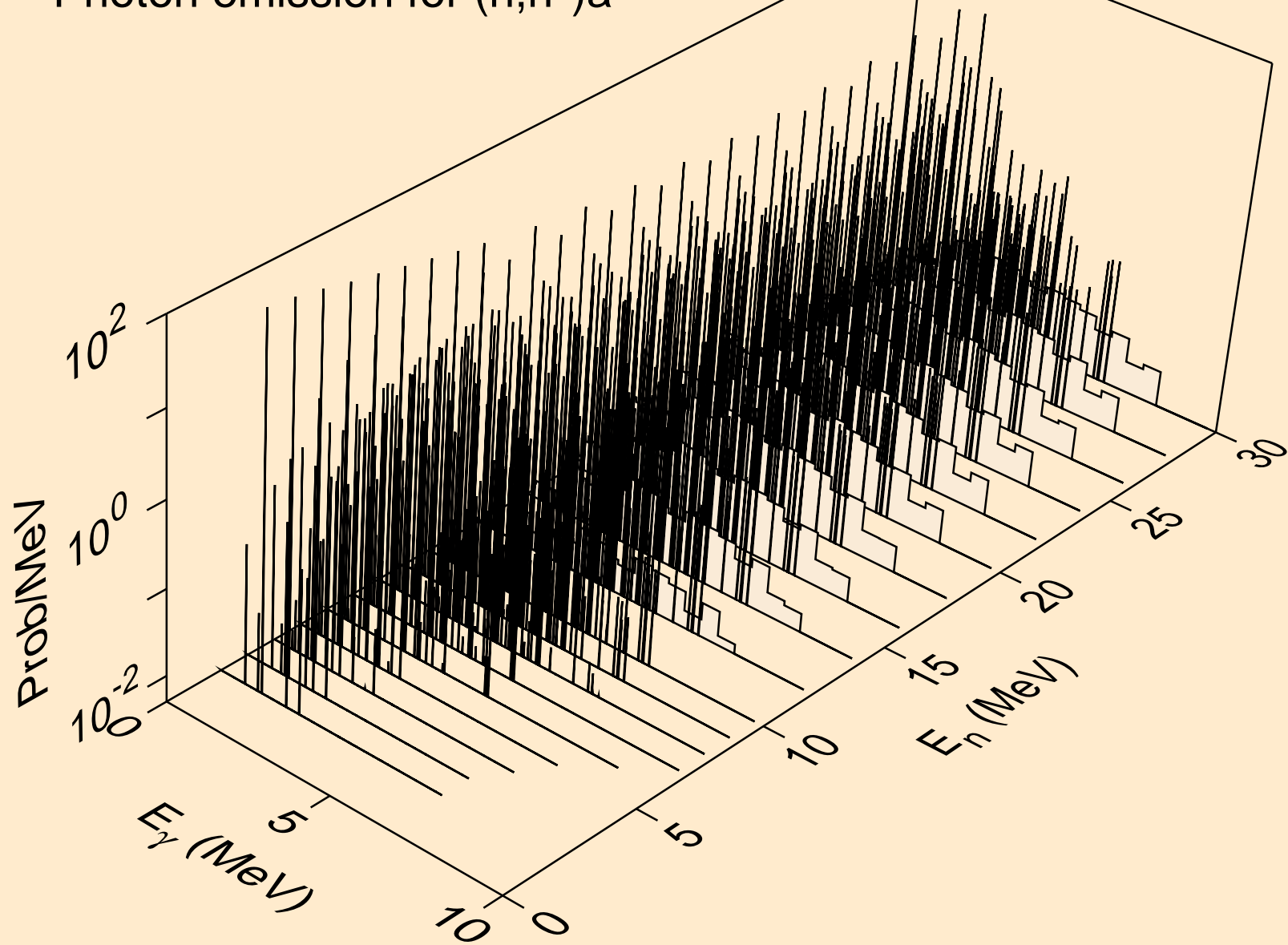
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



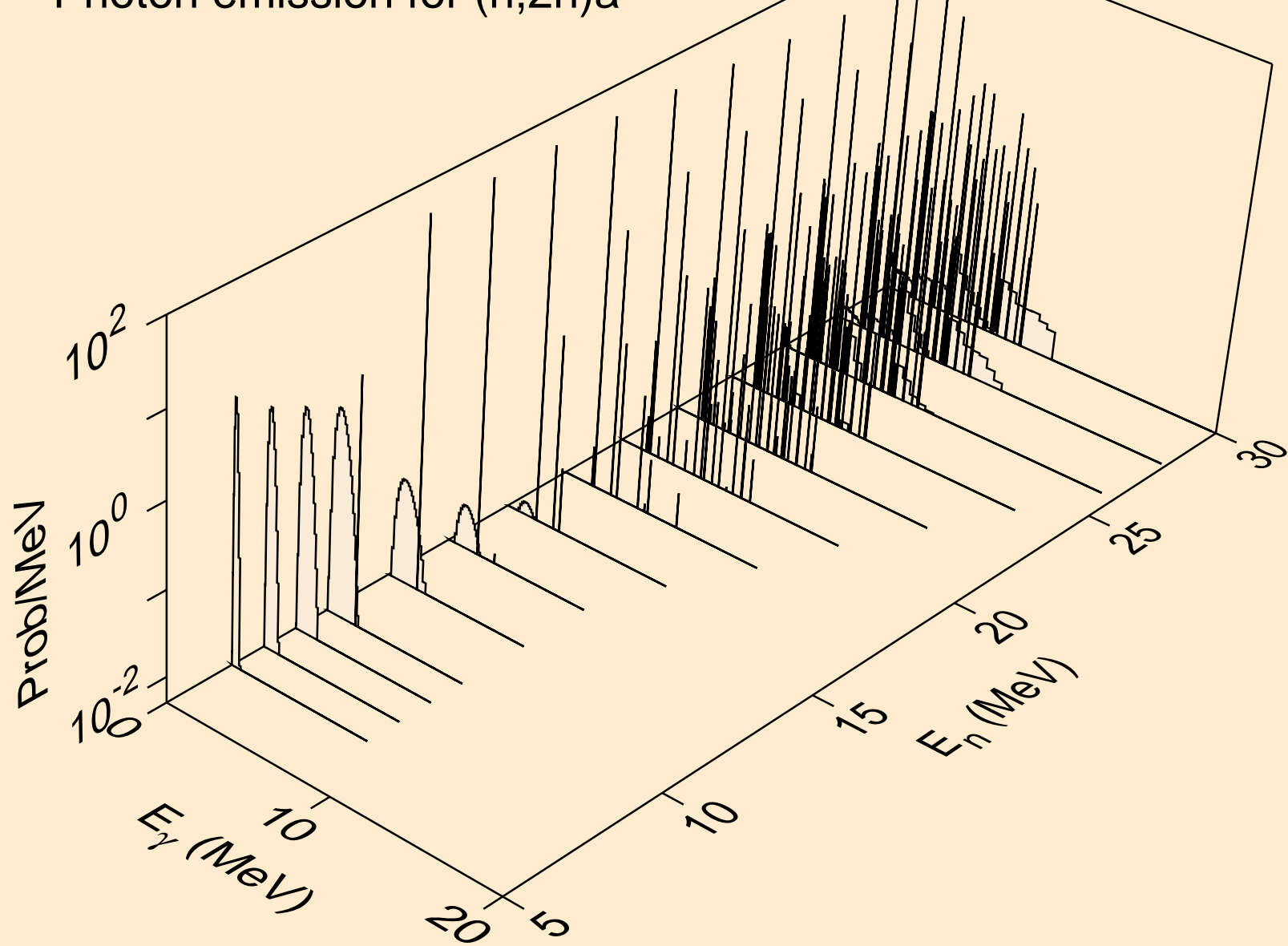
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



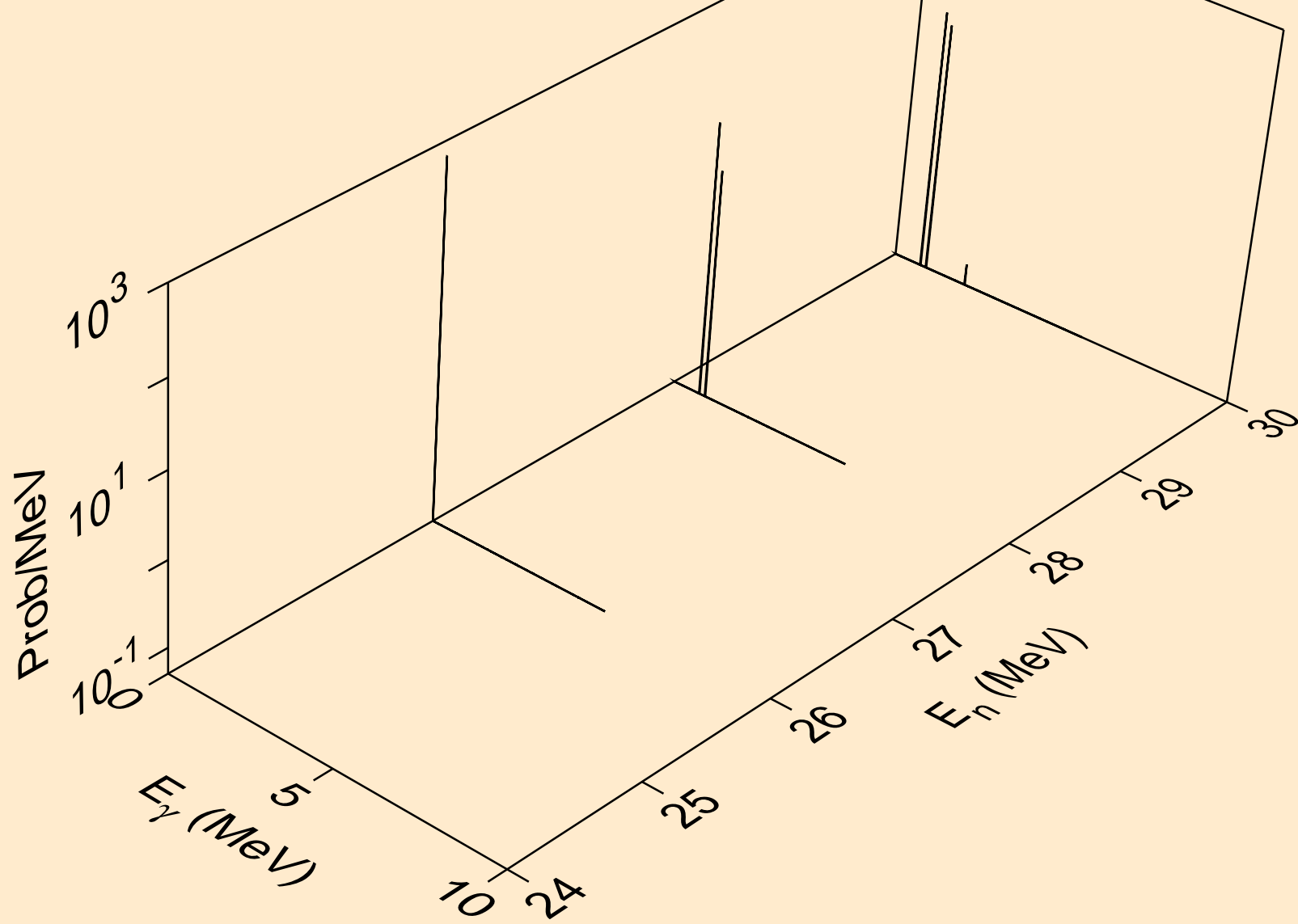
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



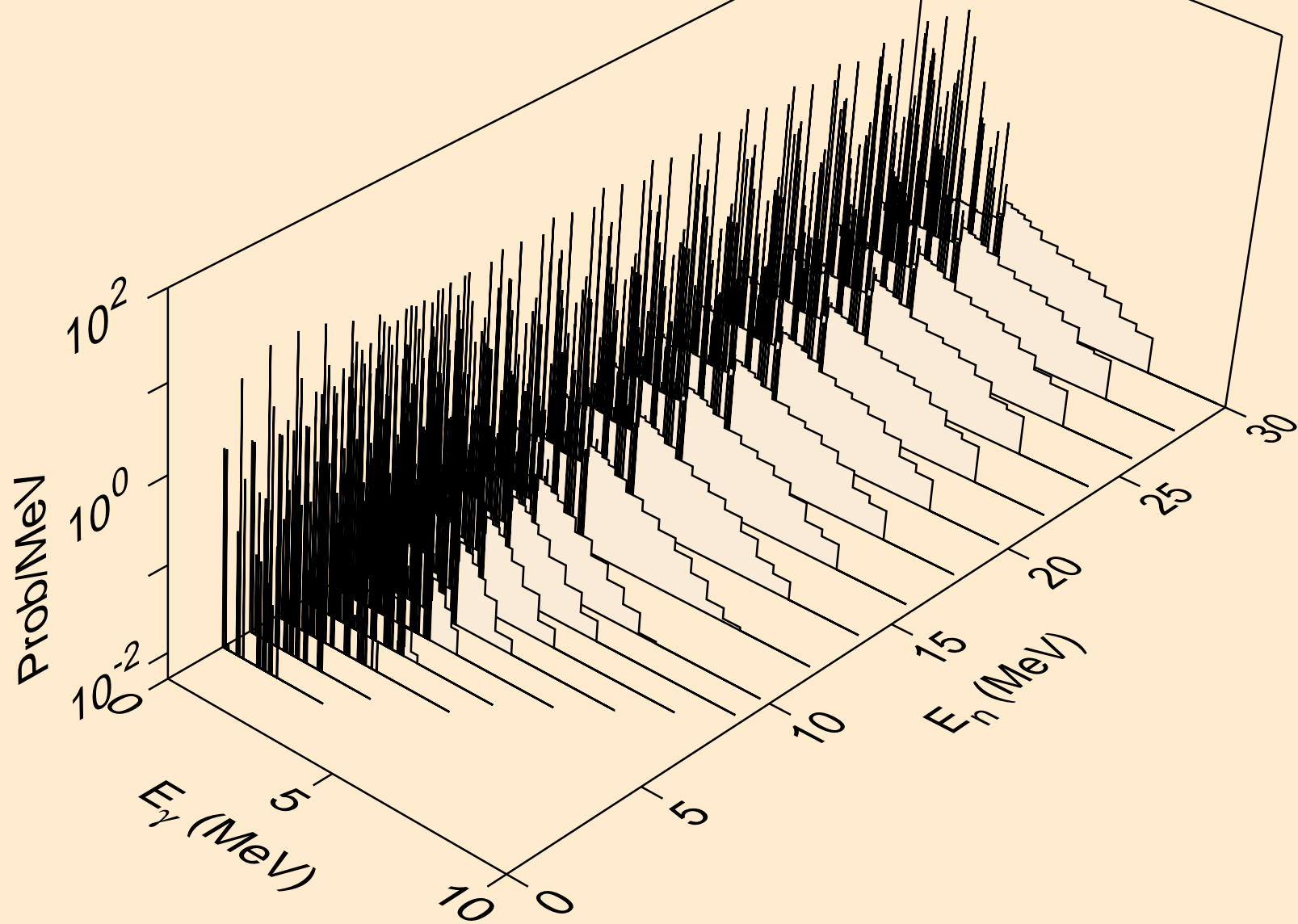
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



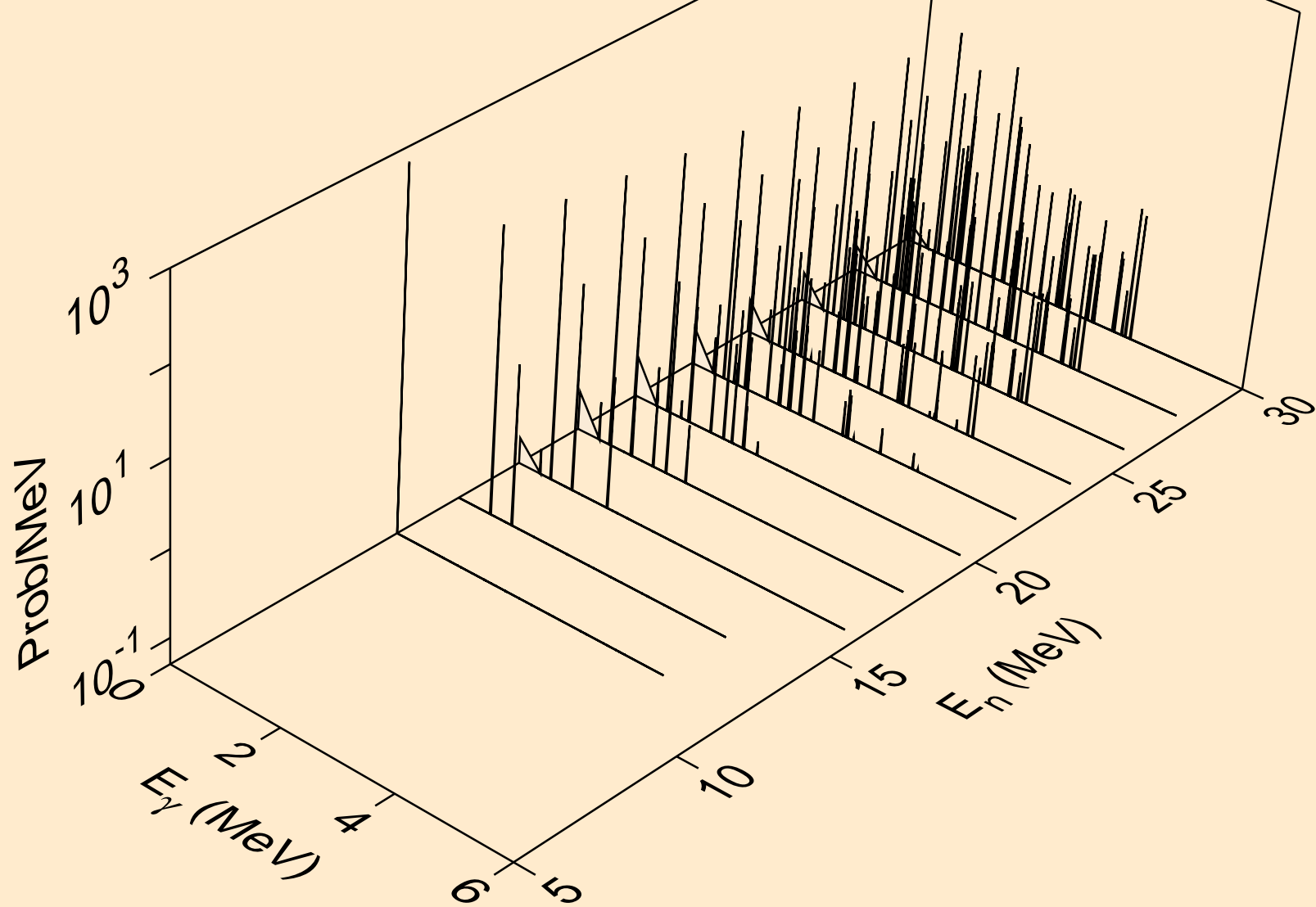
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



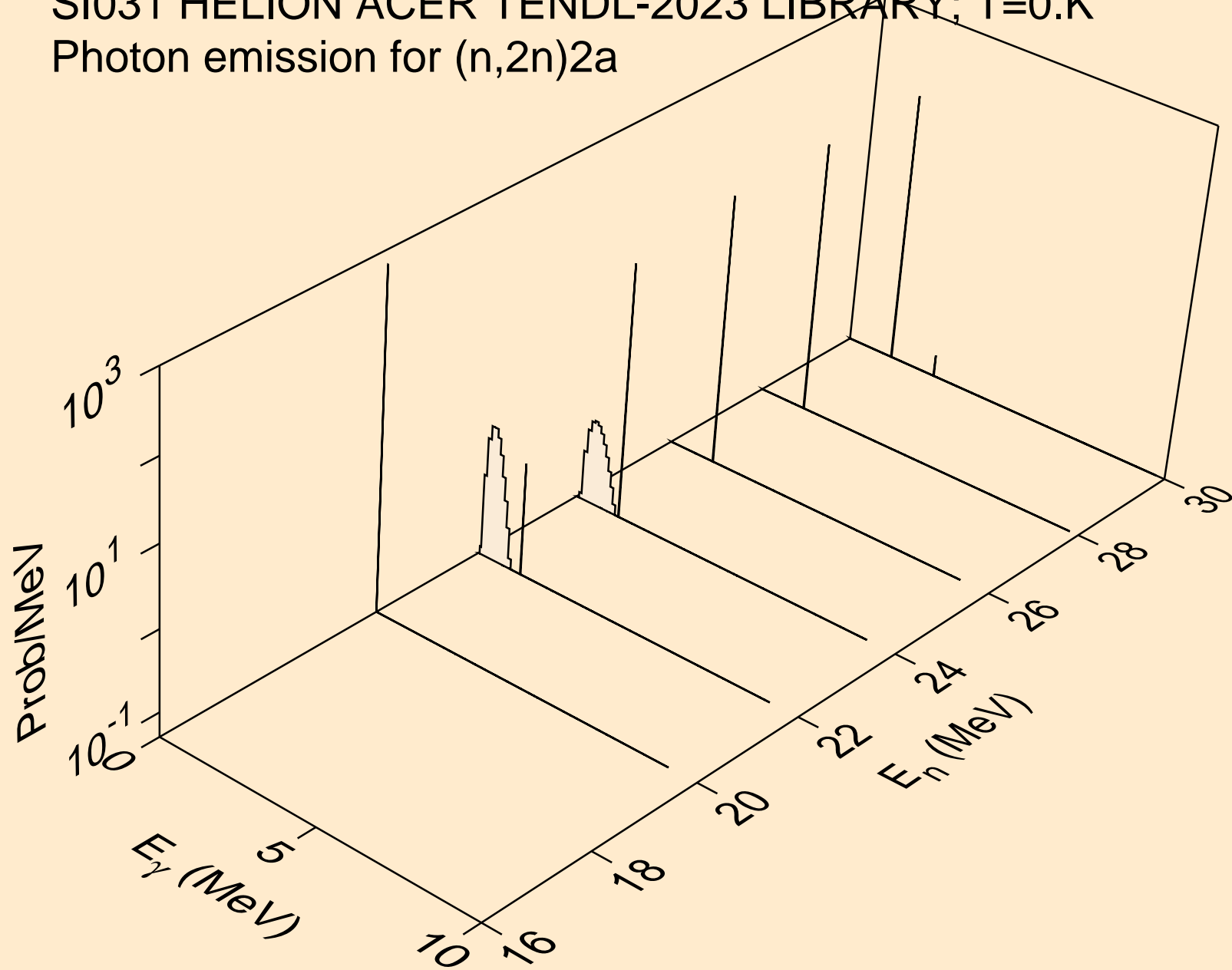
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



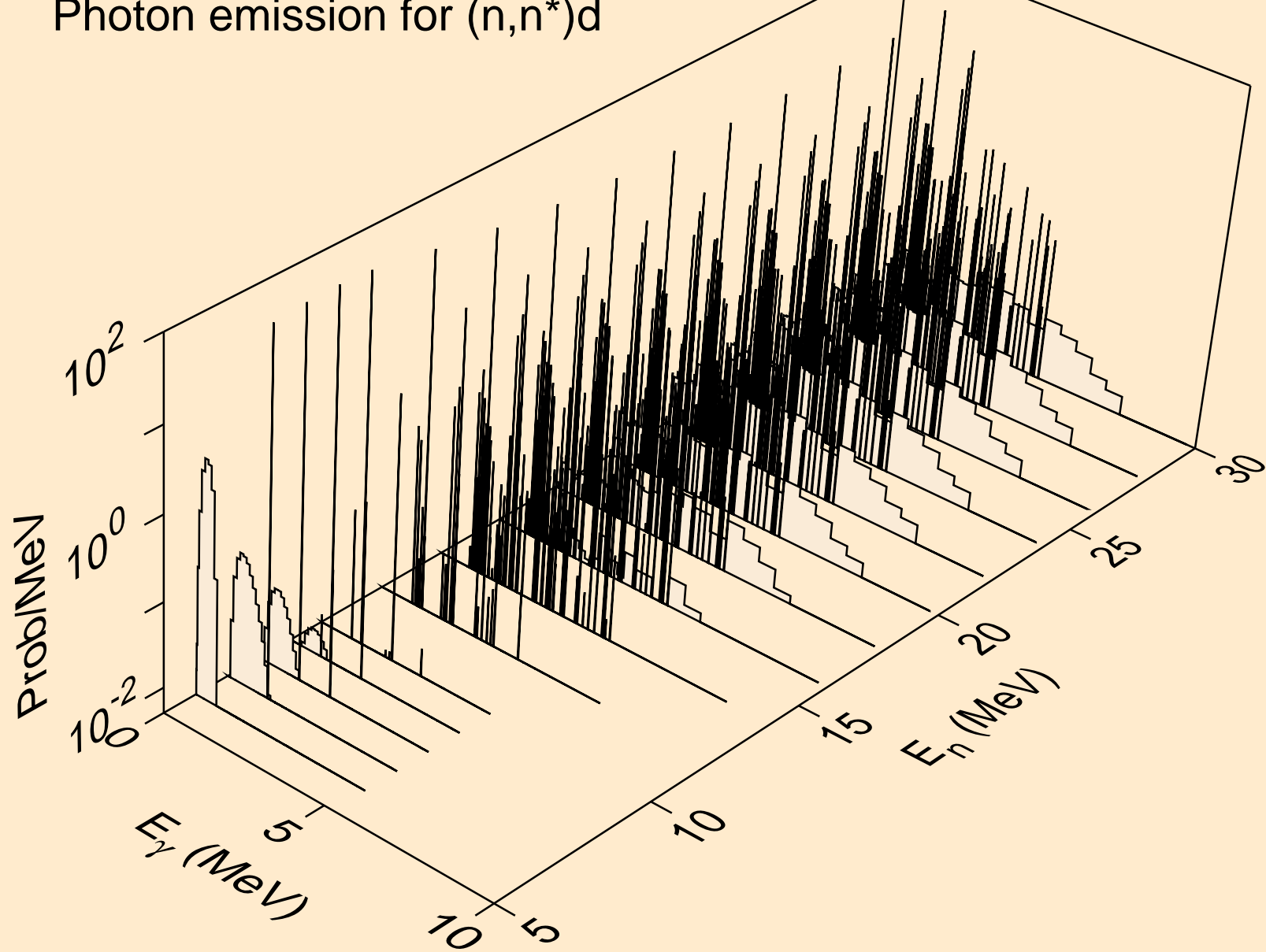
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



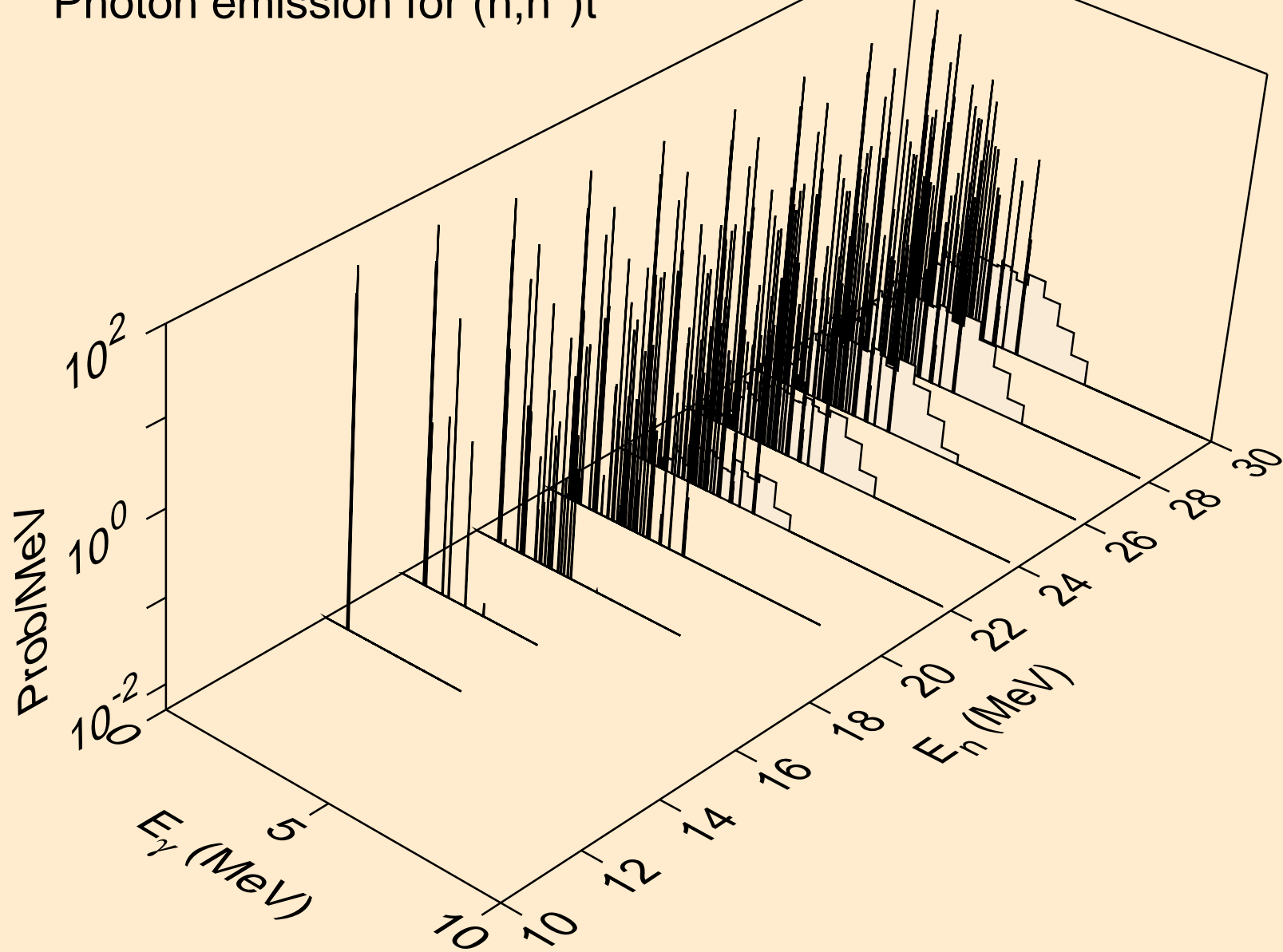
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



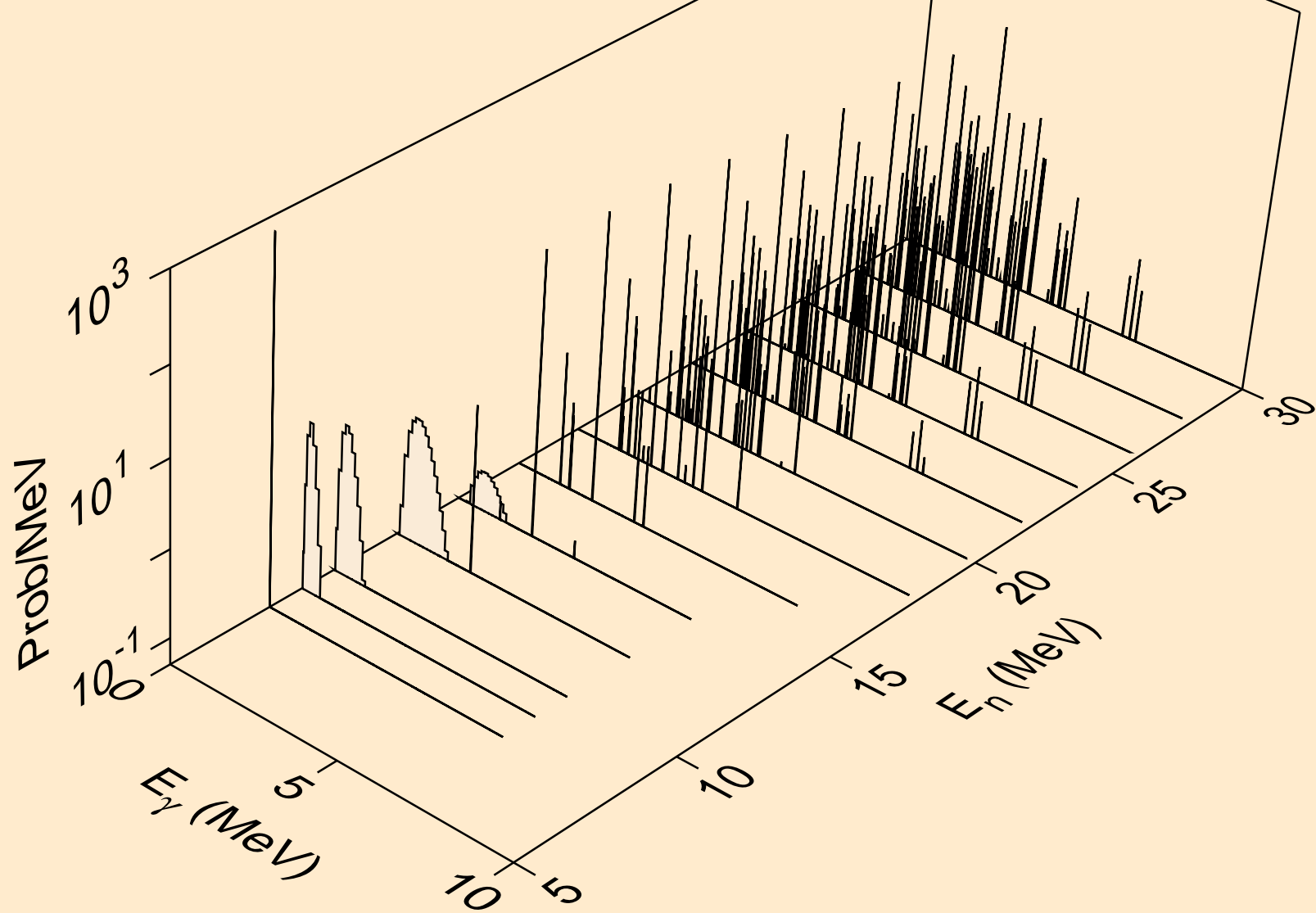
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



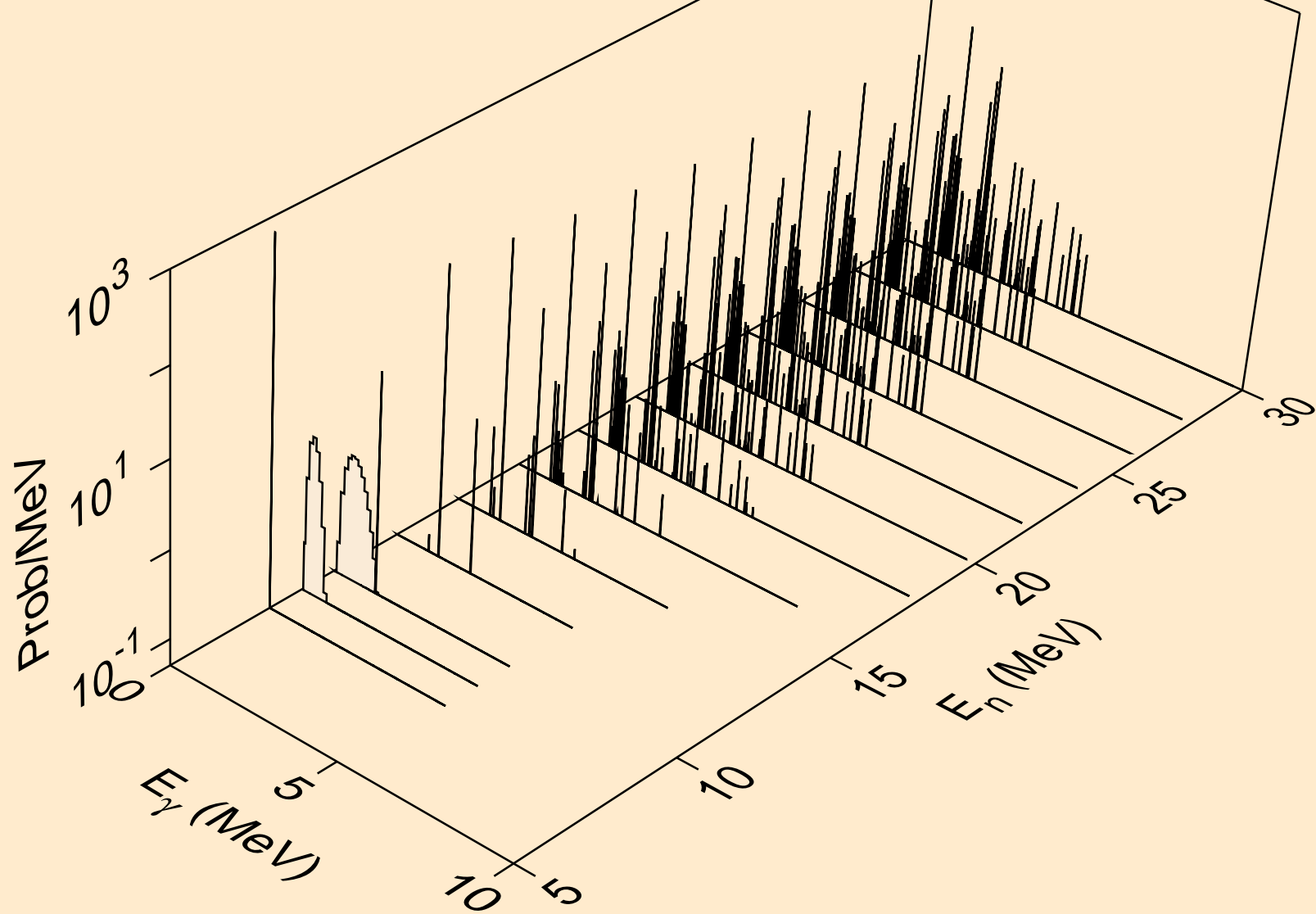
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



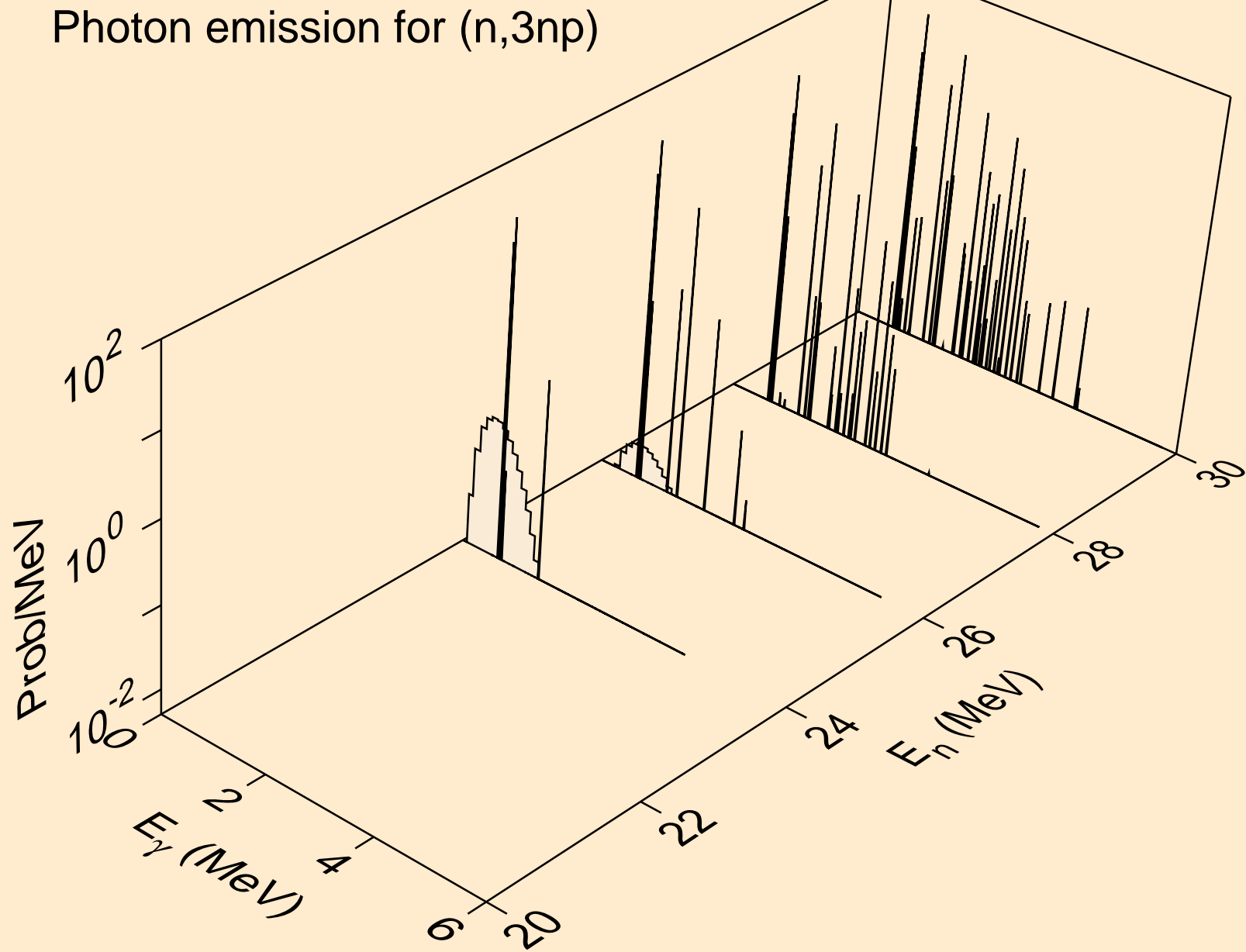
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



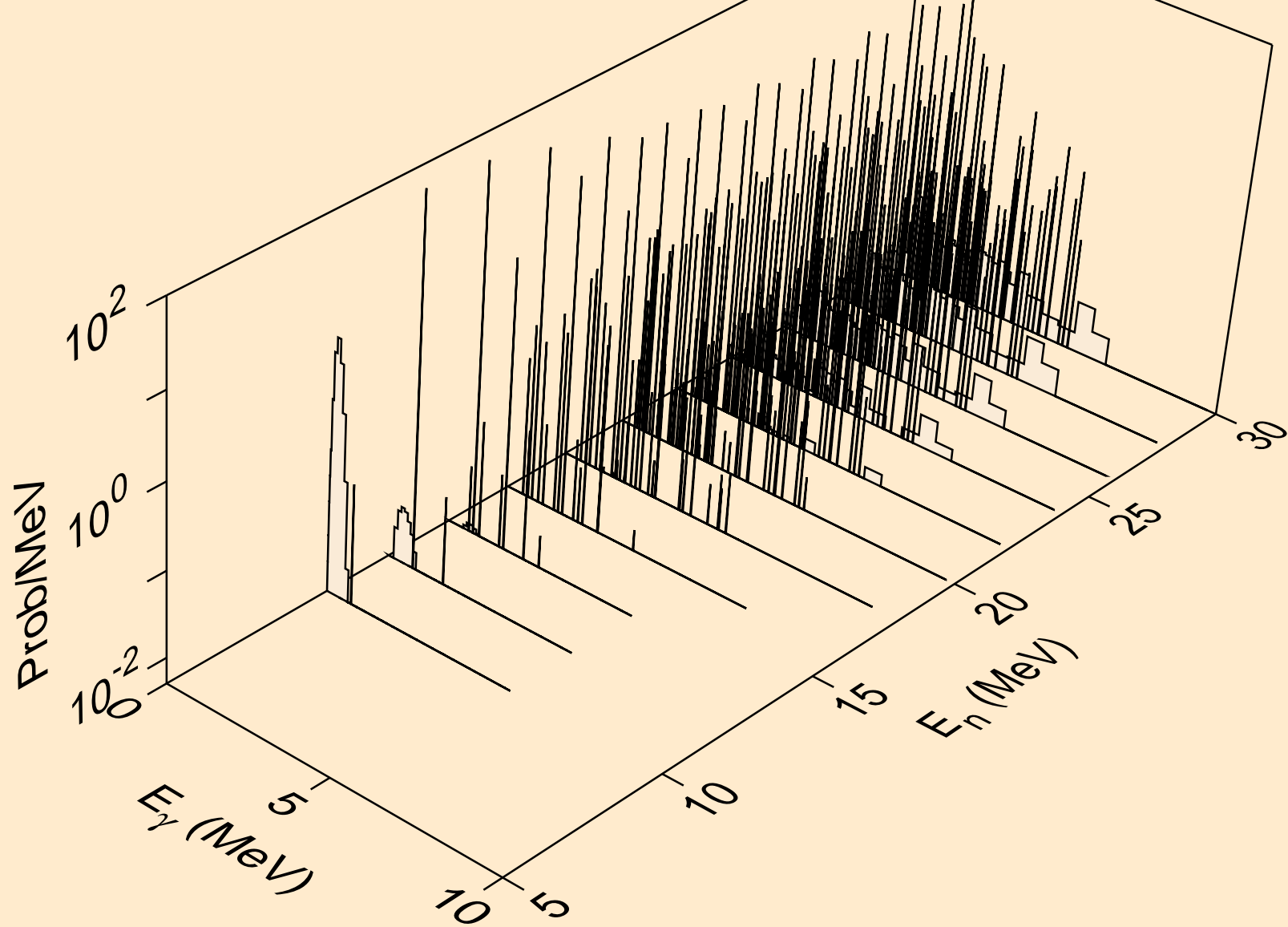
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



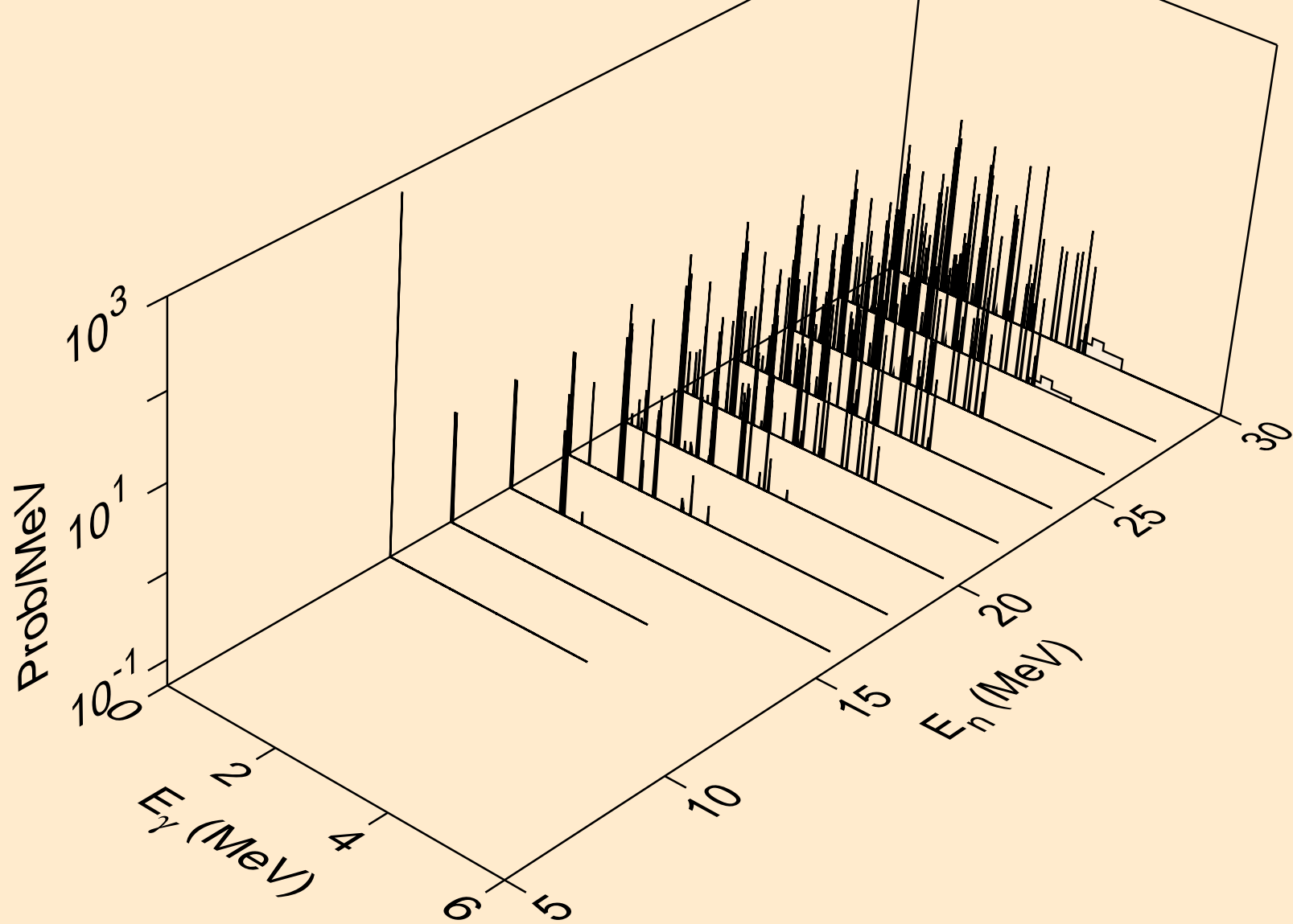
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



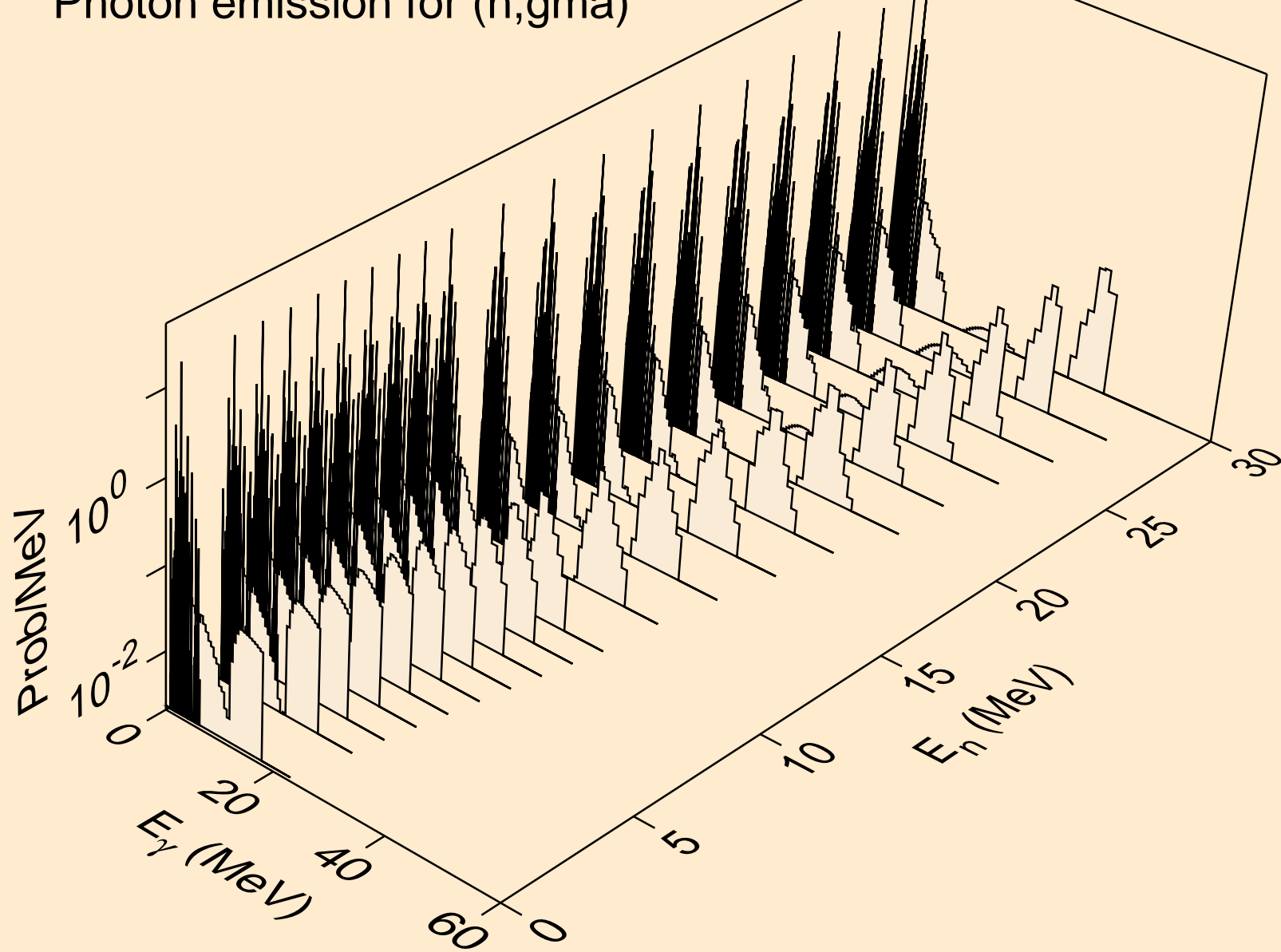
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



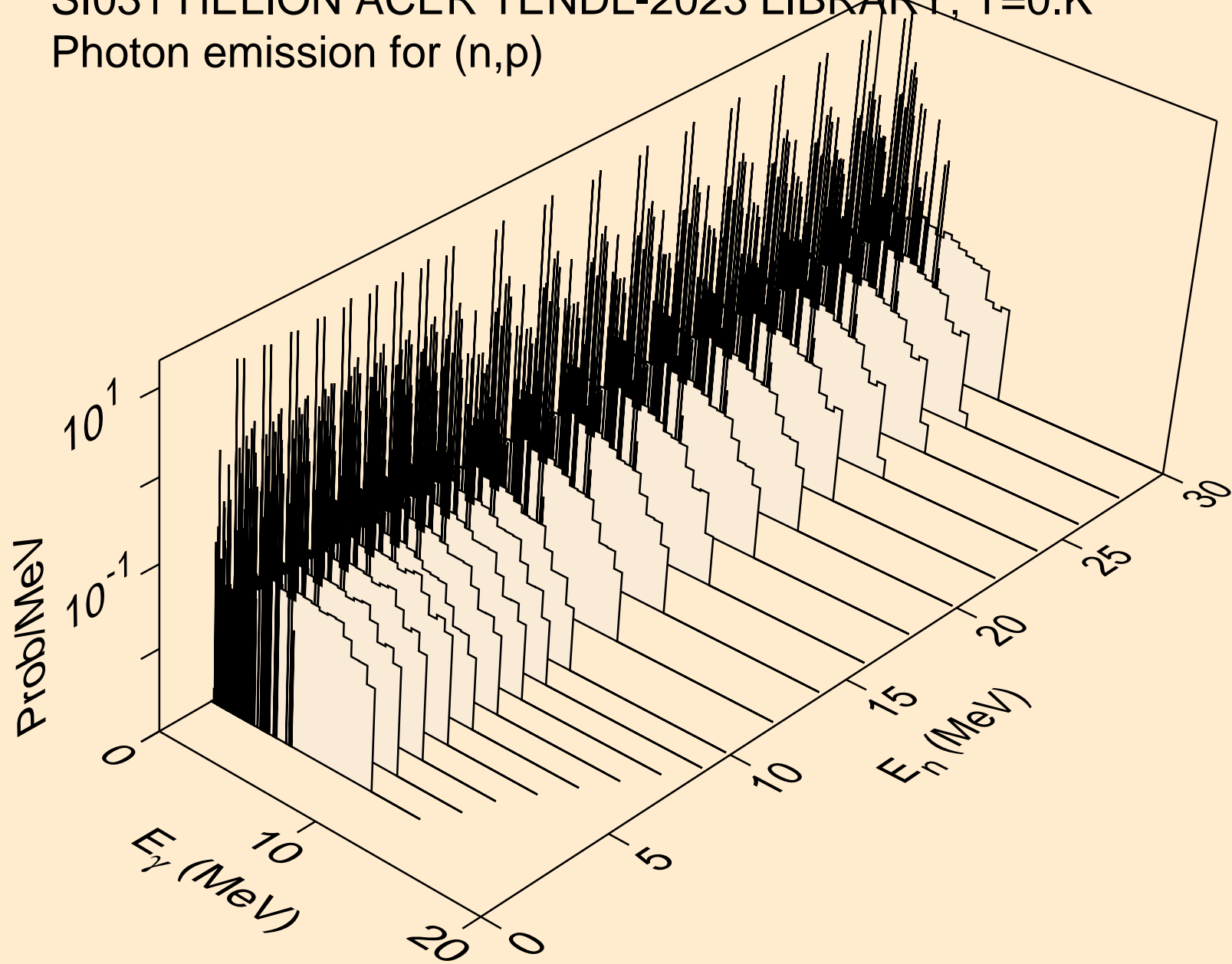
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



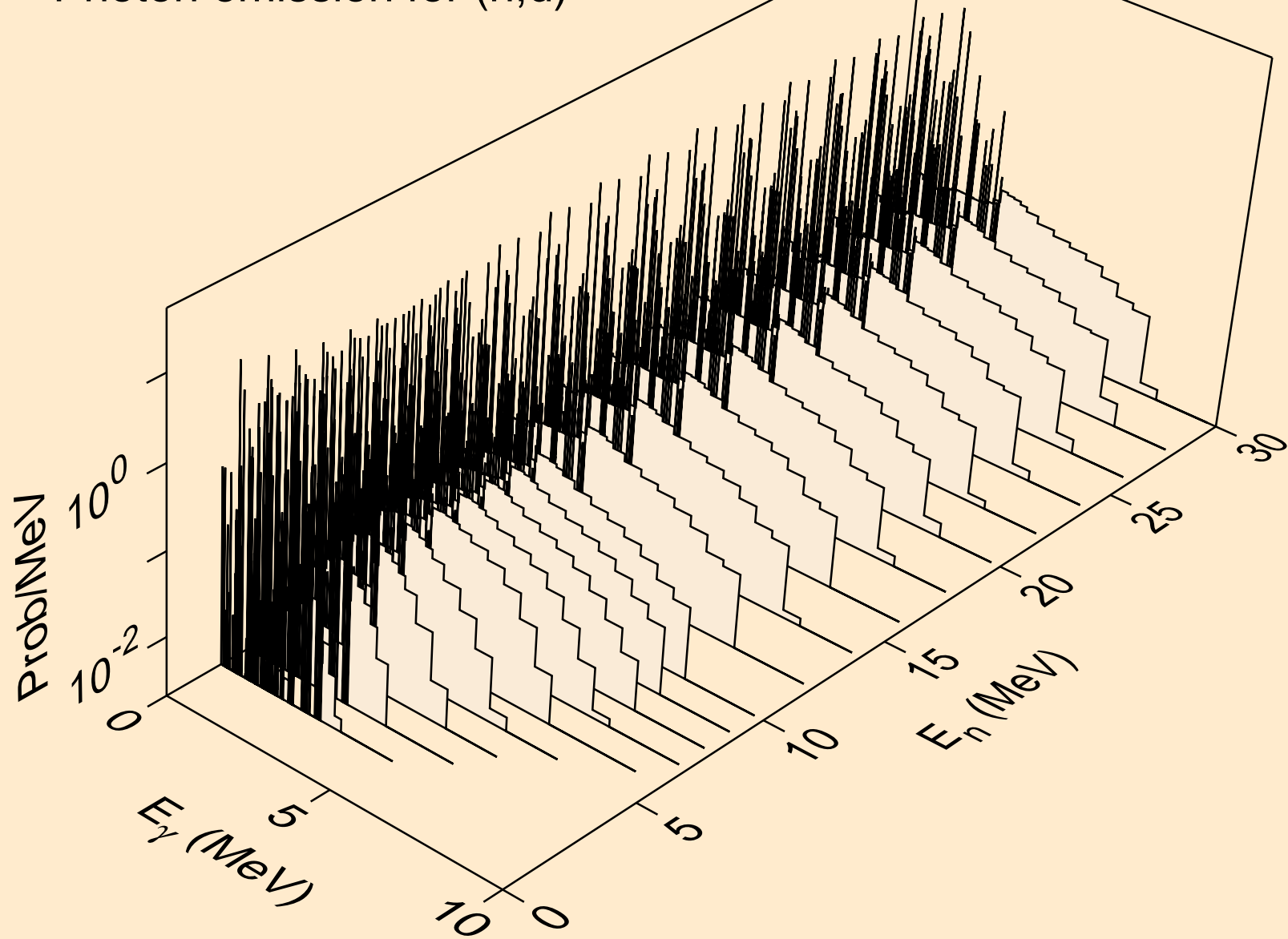
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



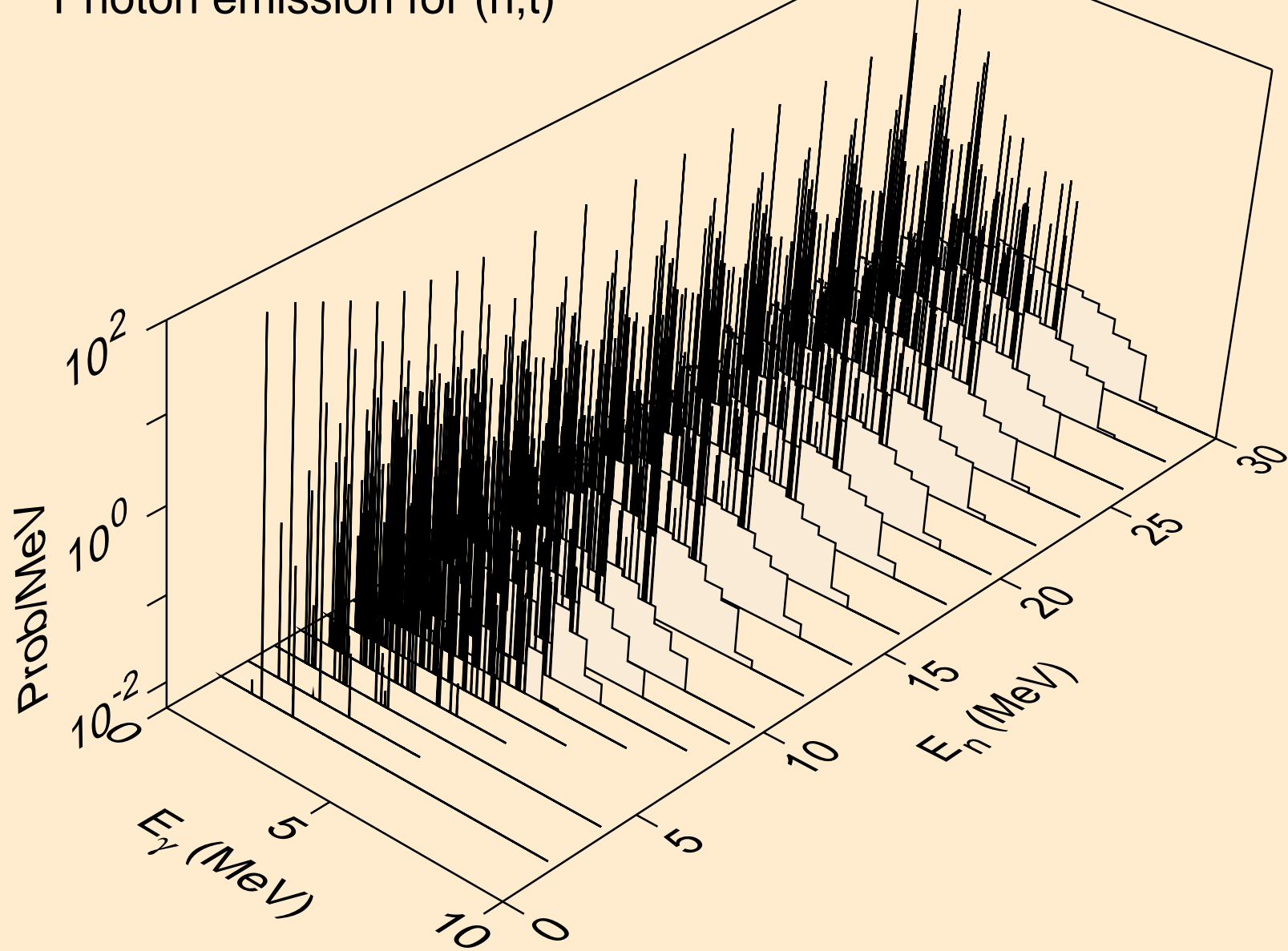
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



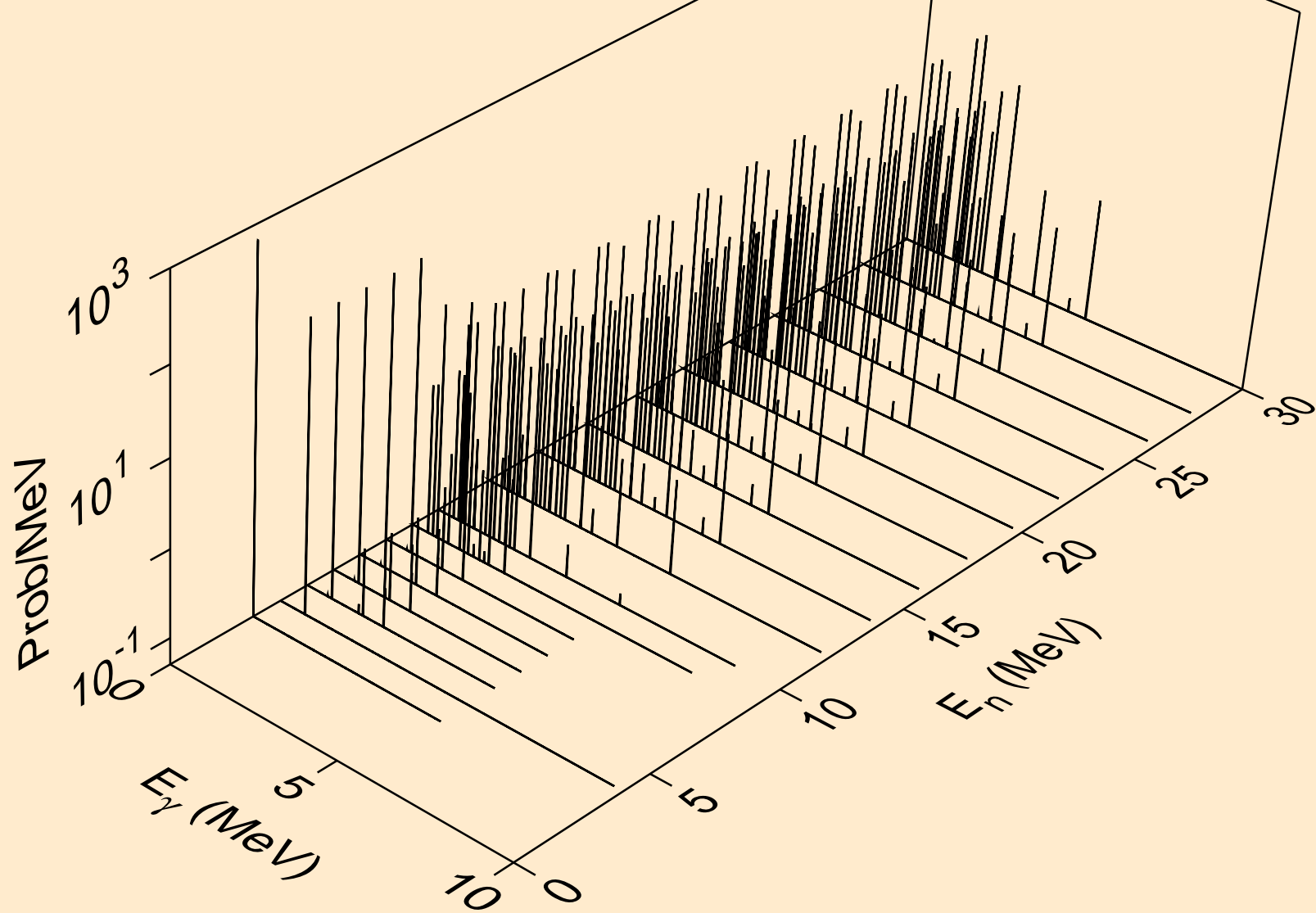
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



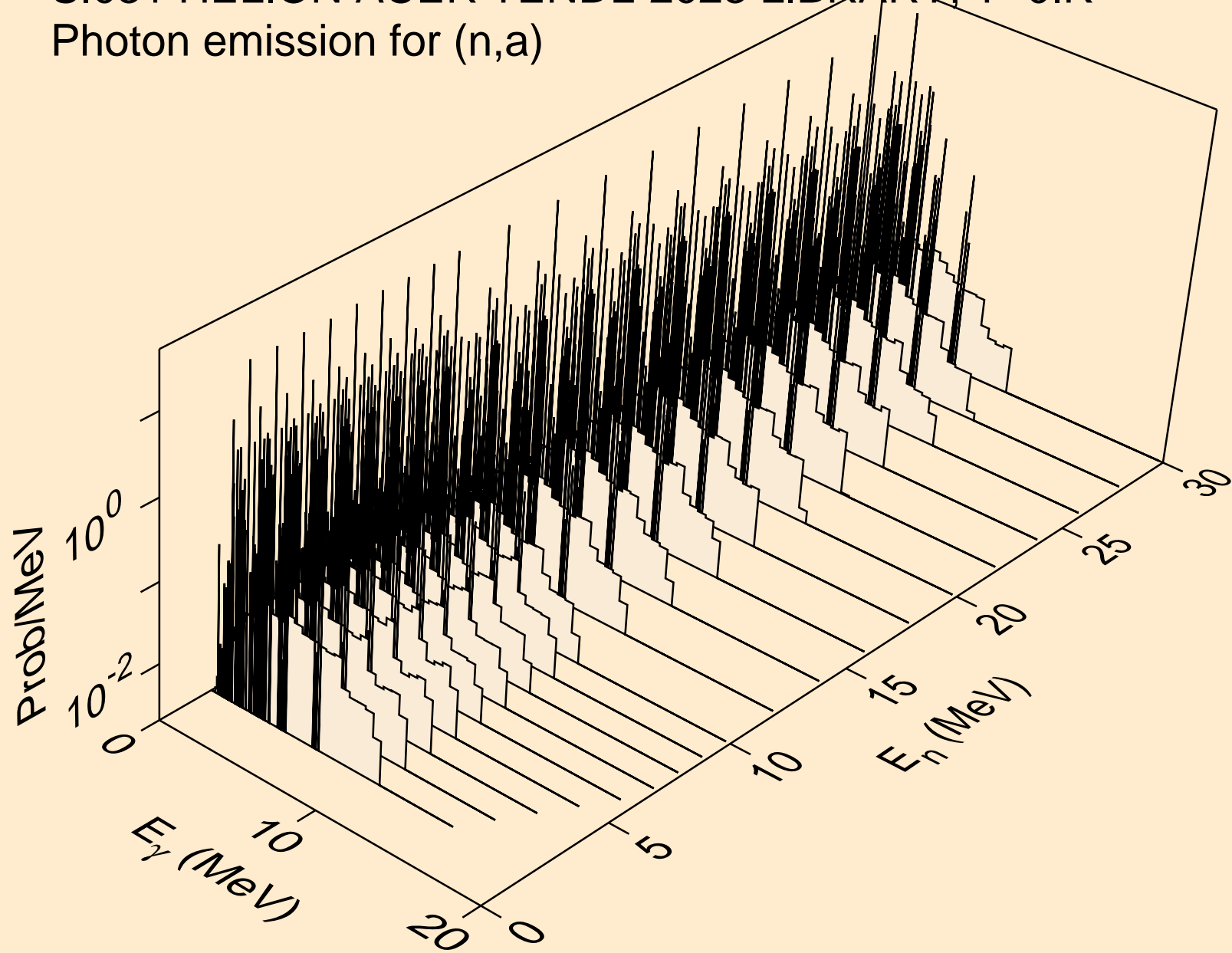
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



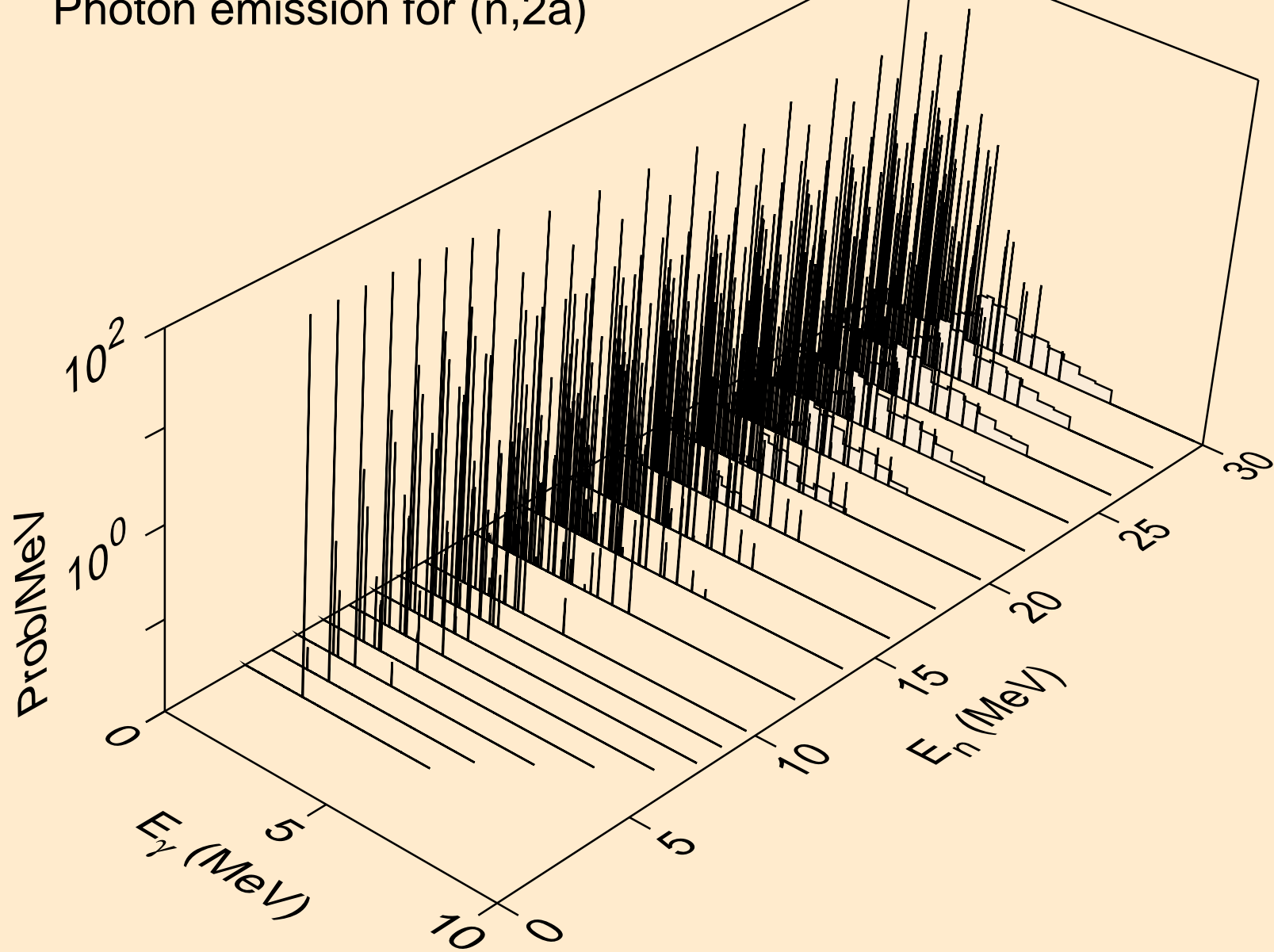
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



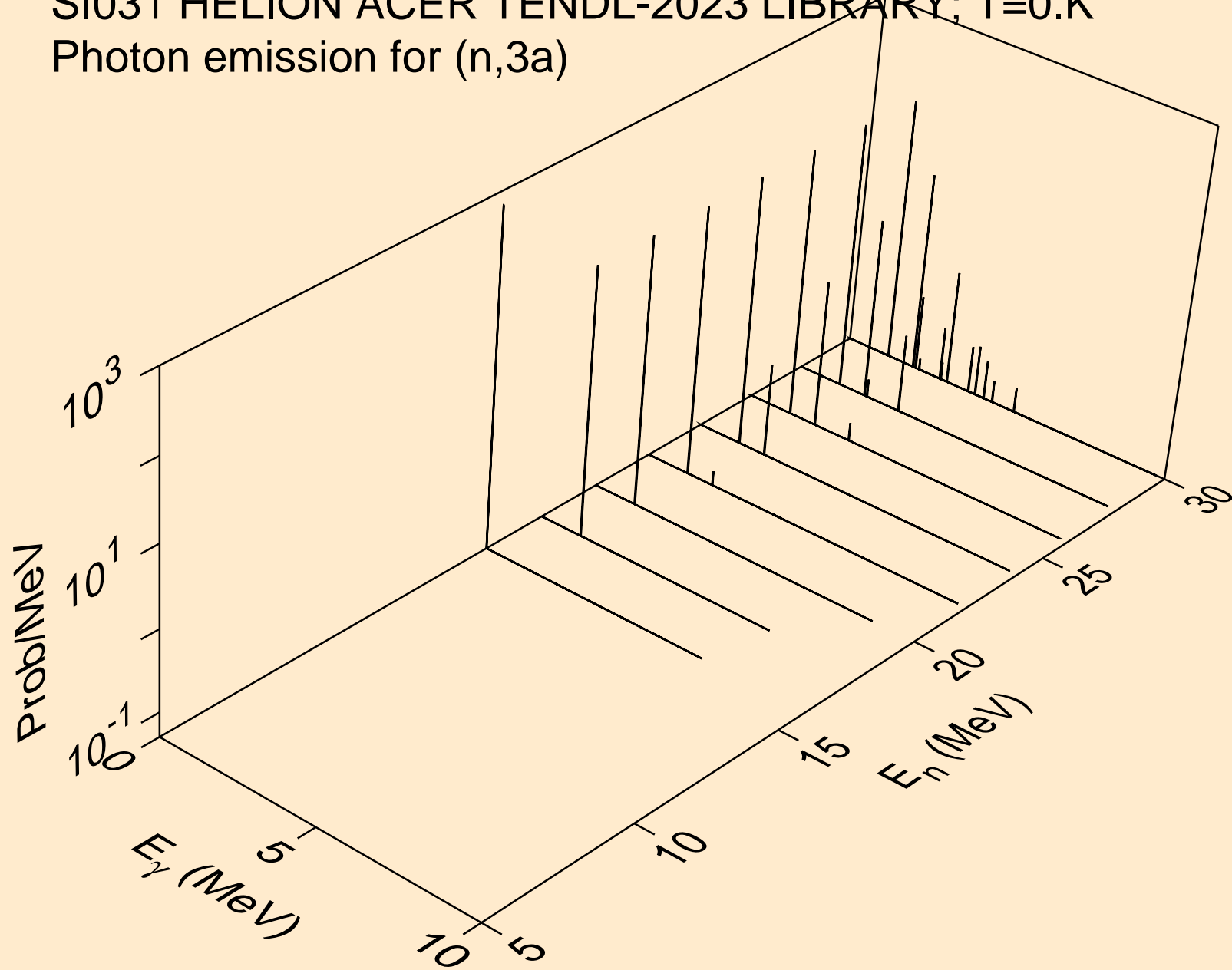
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



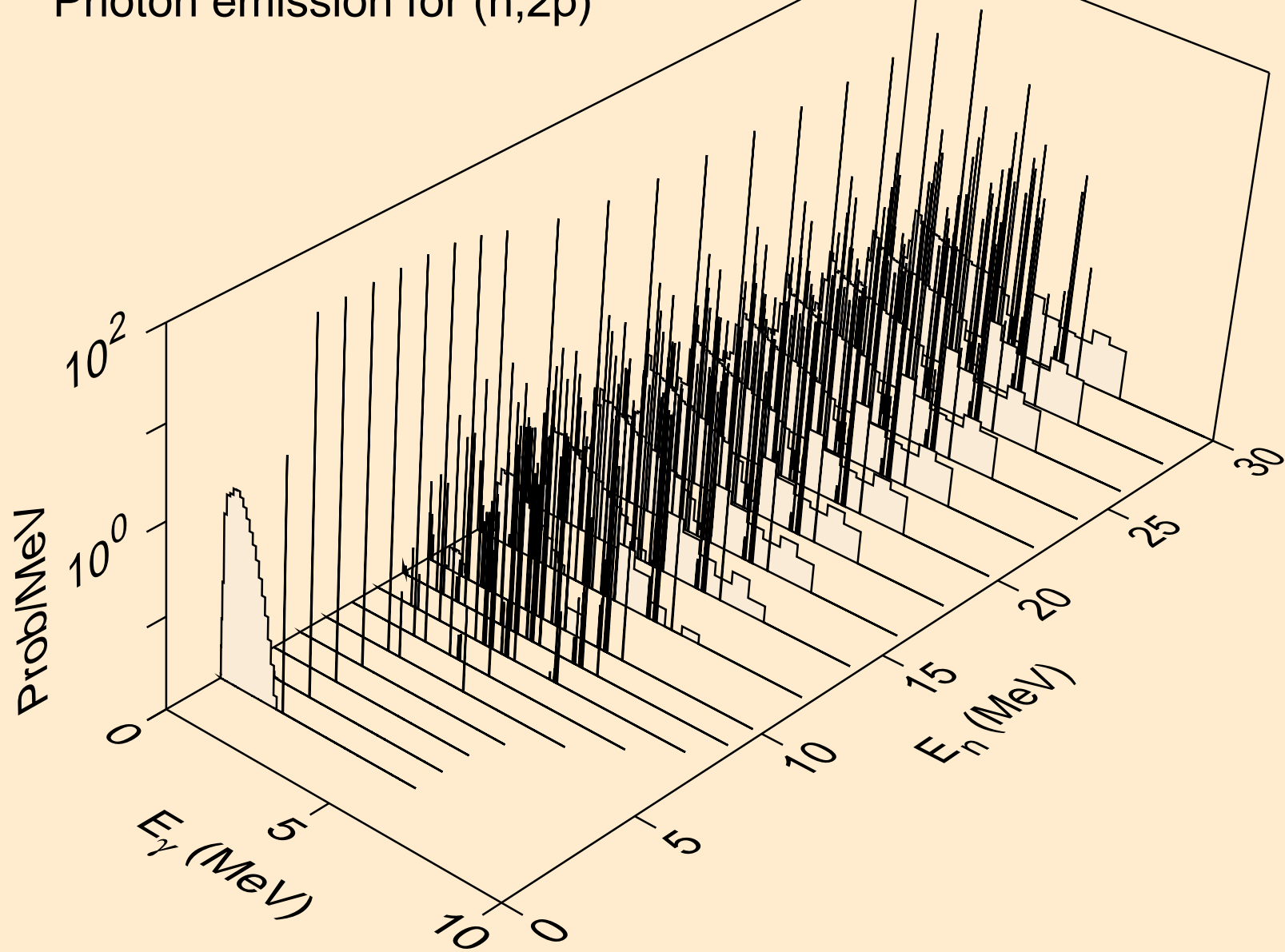
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



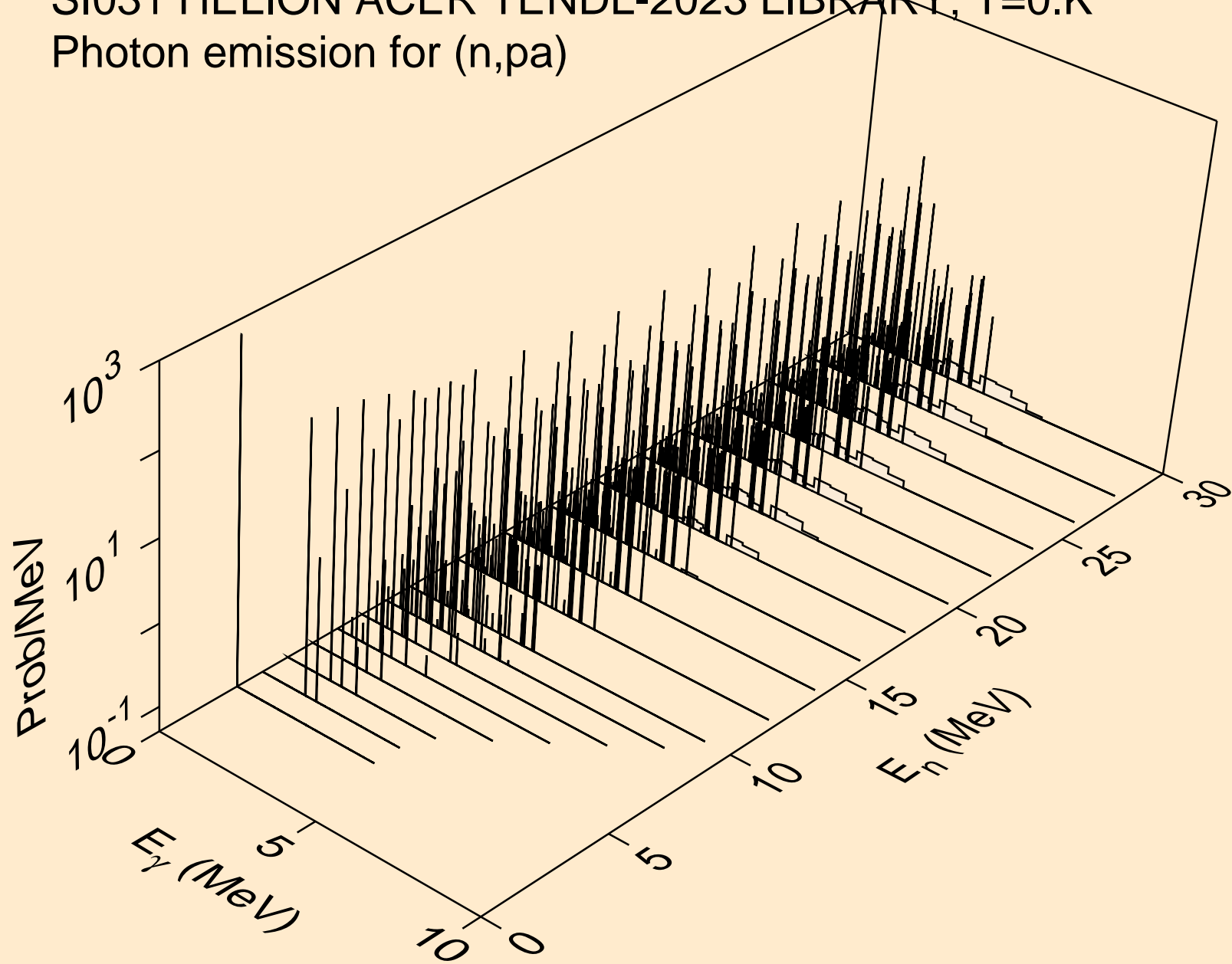
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)



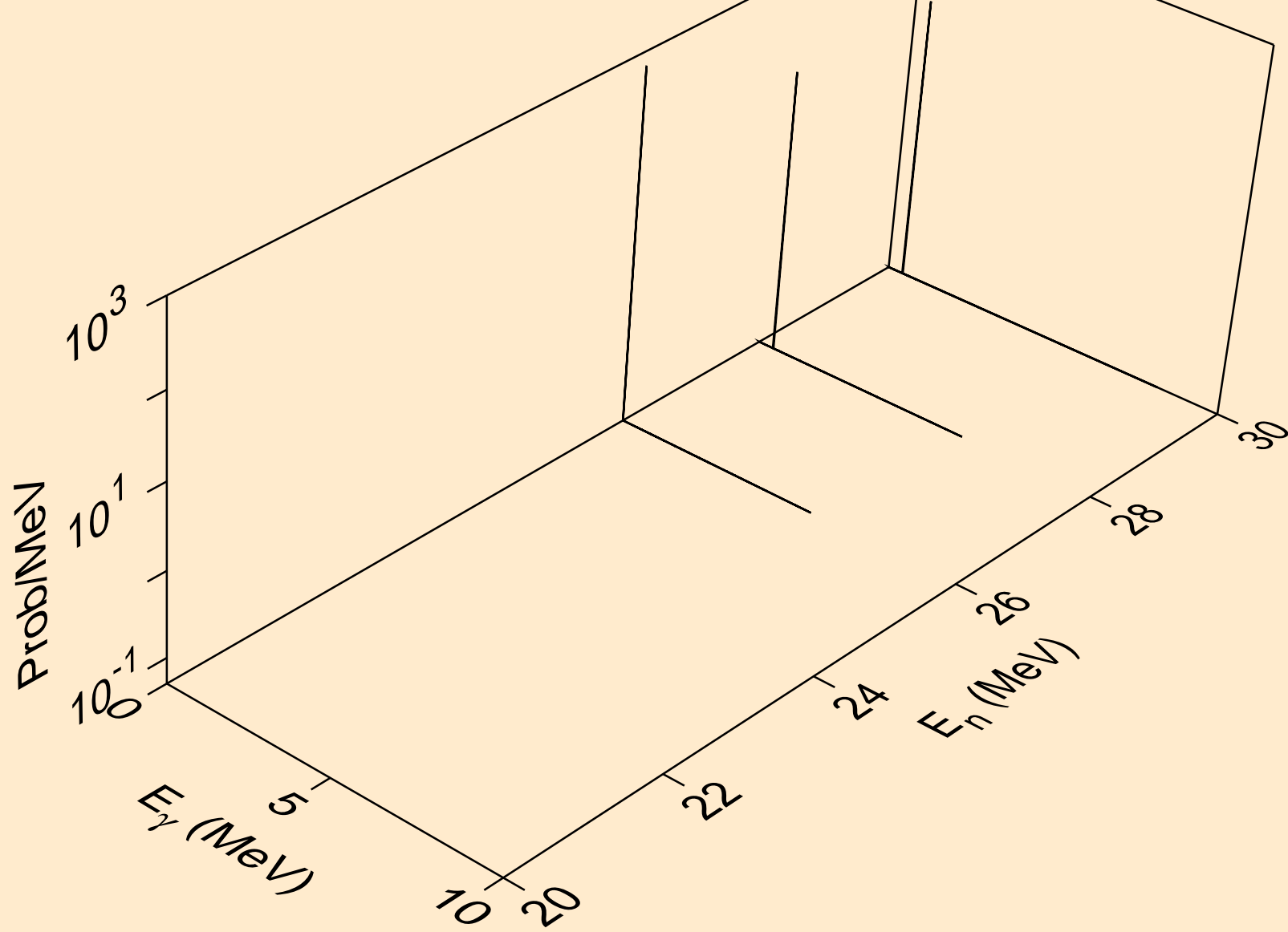
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



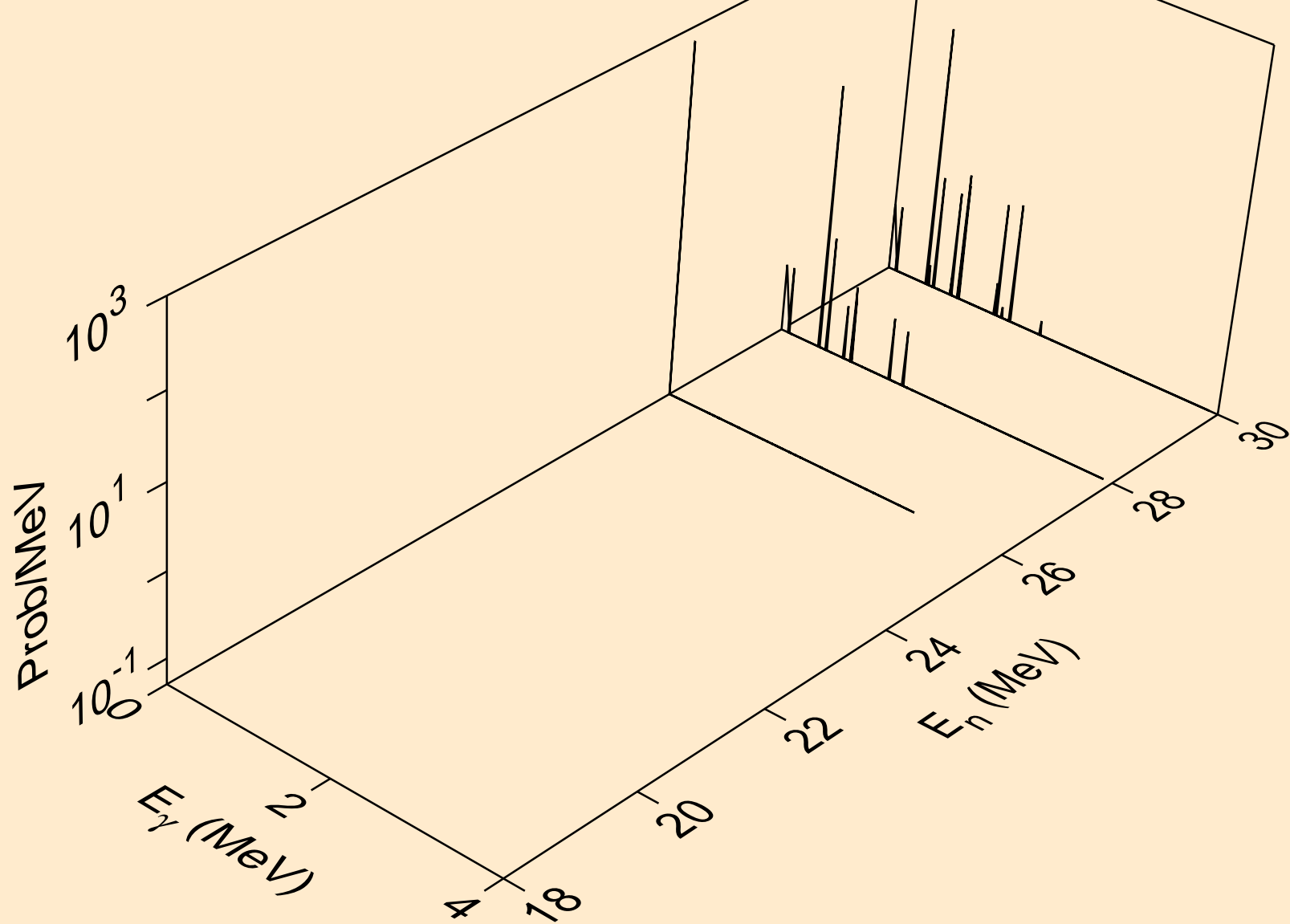
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)



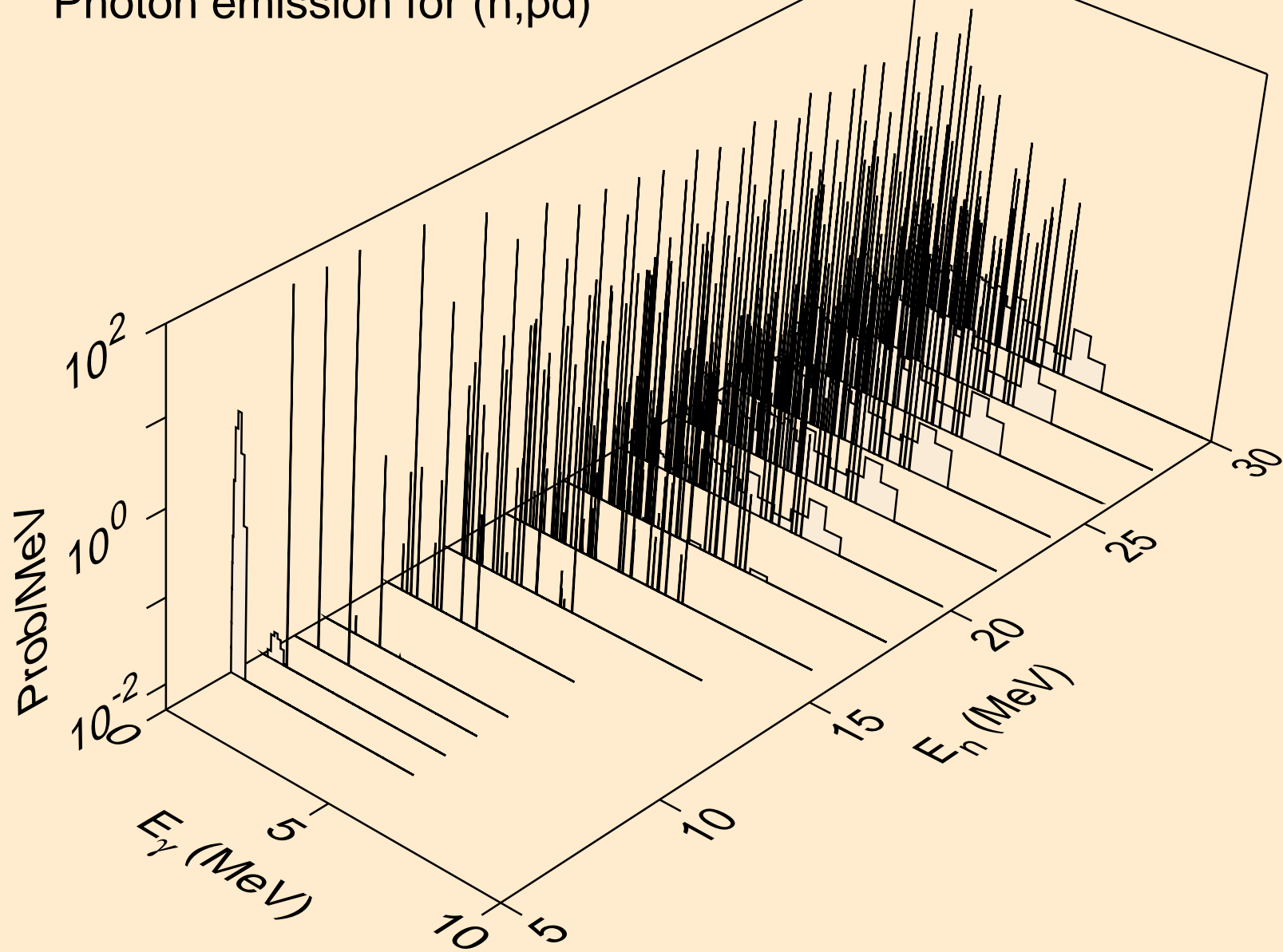
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t2a)



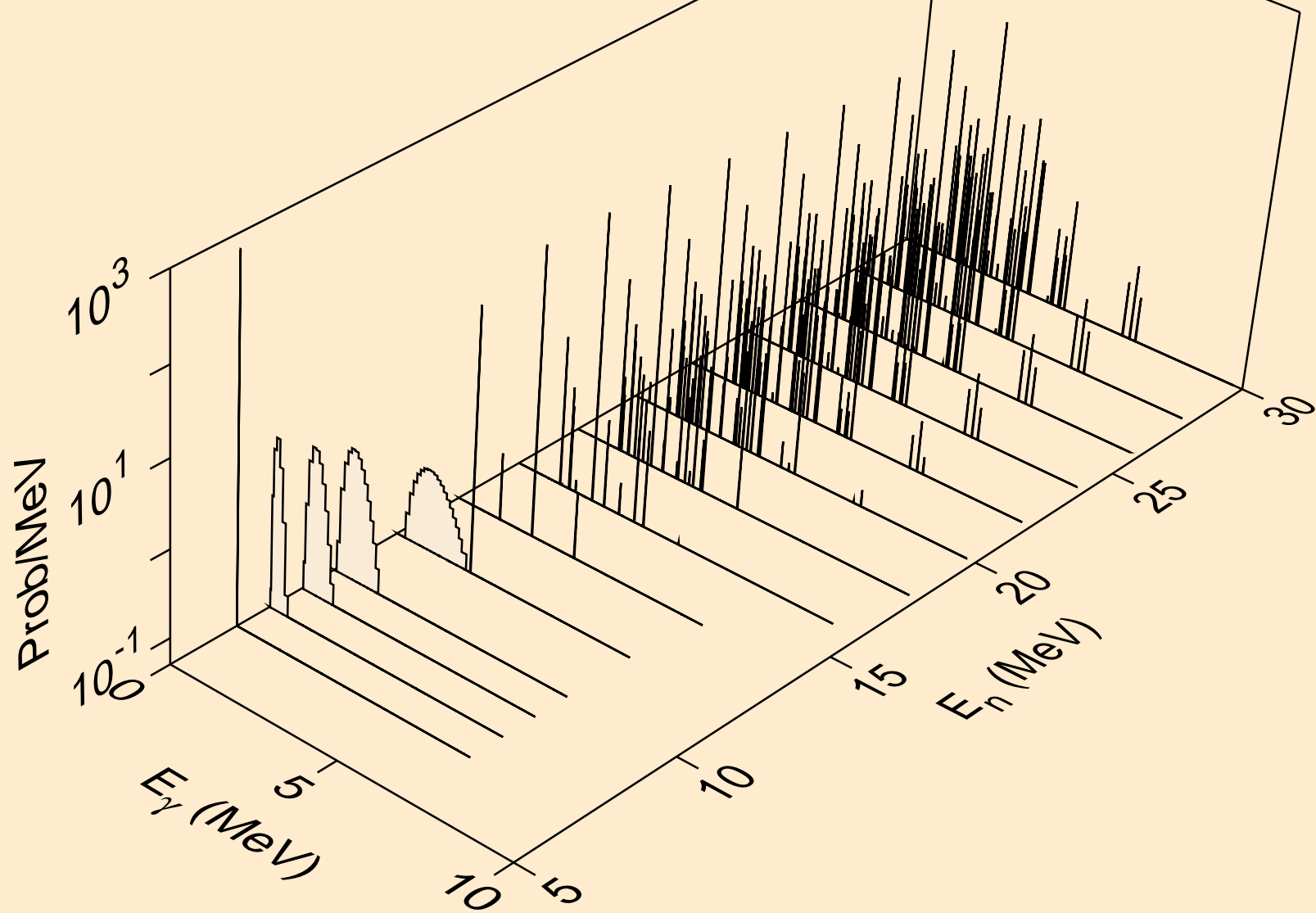
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d2a)



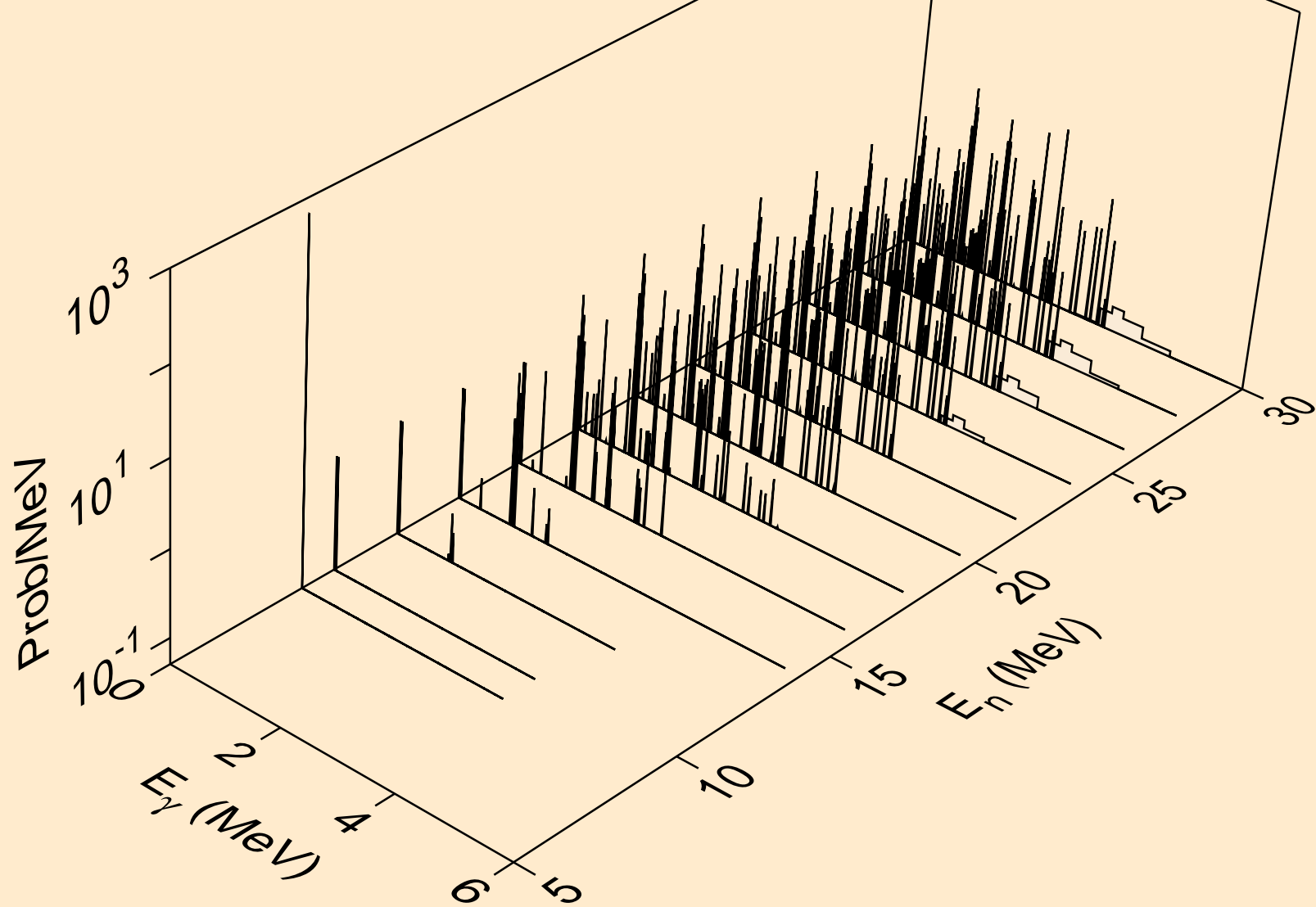
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



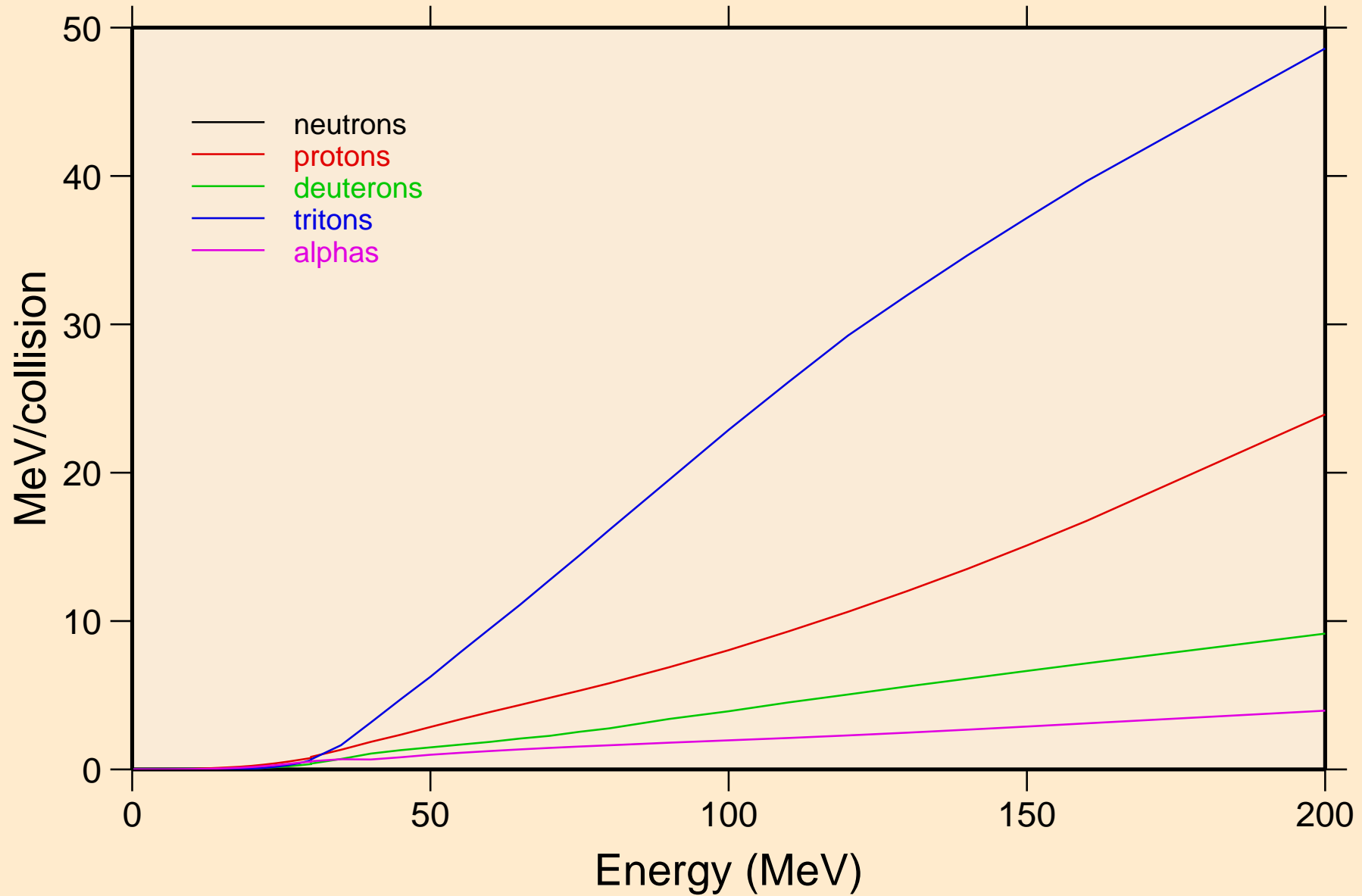
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



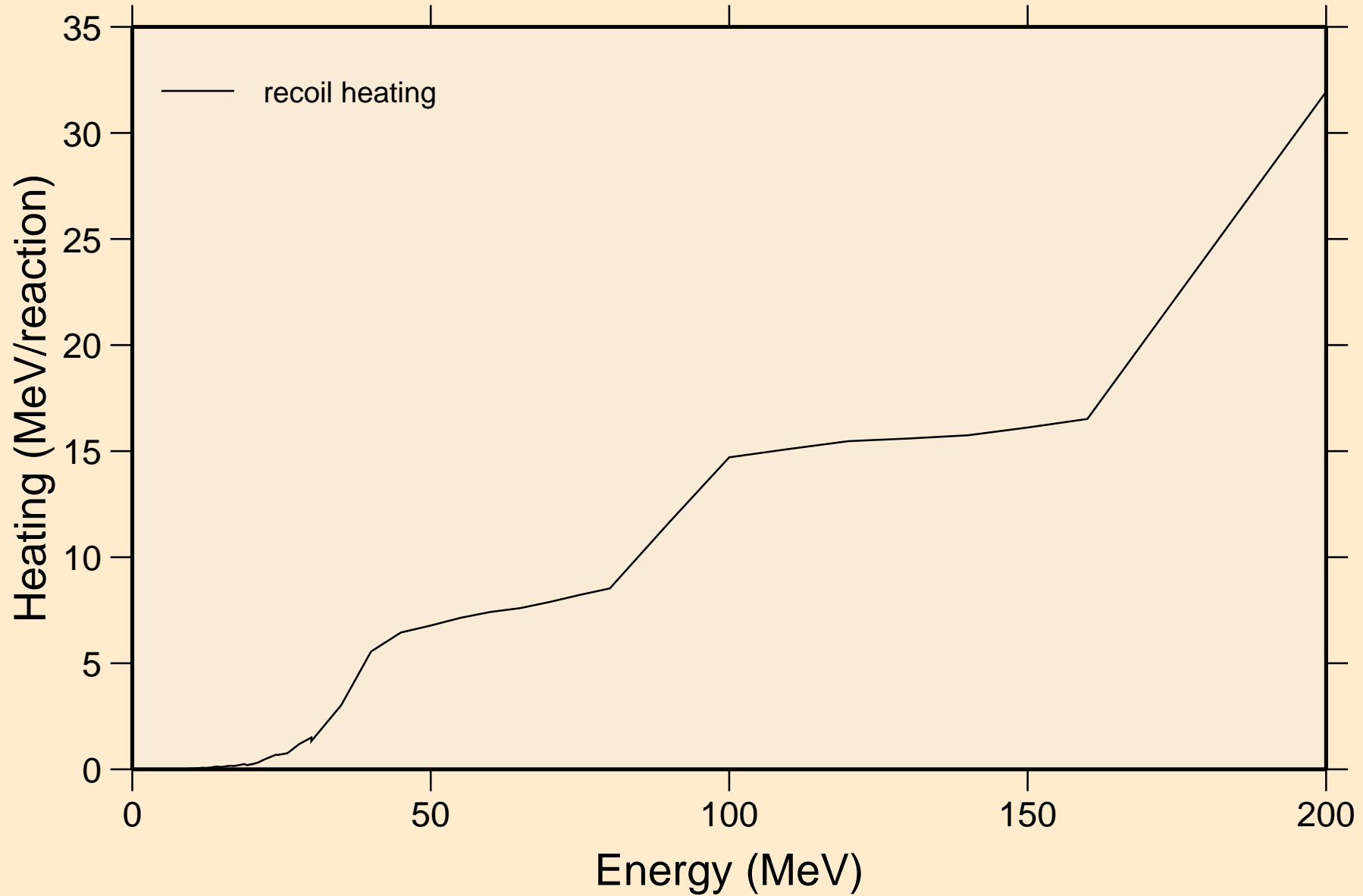
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



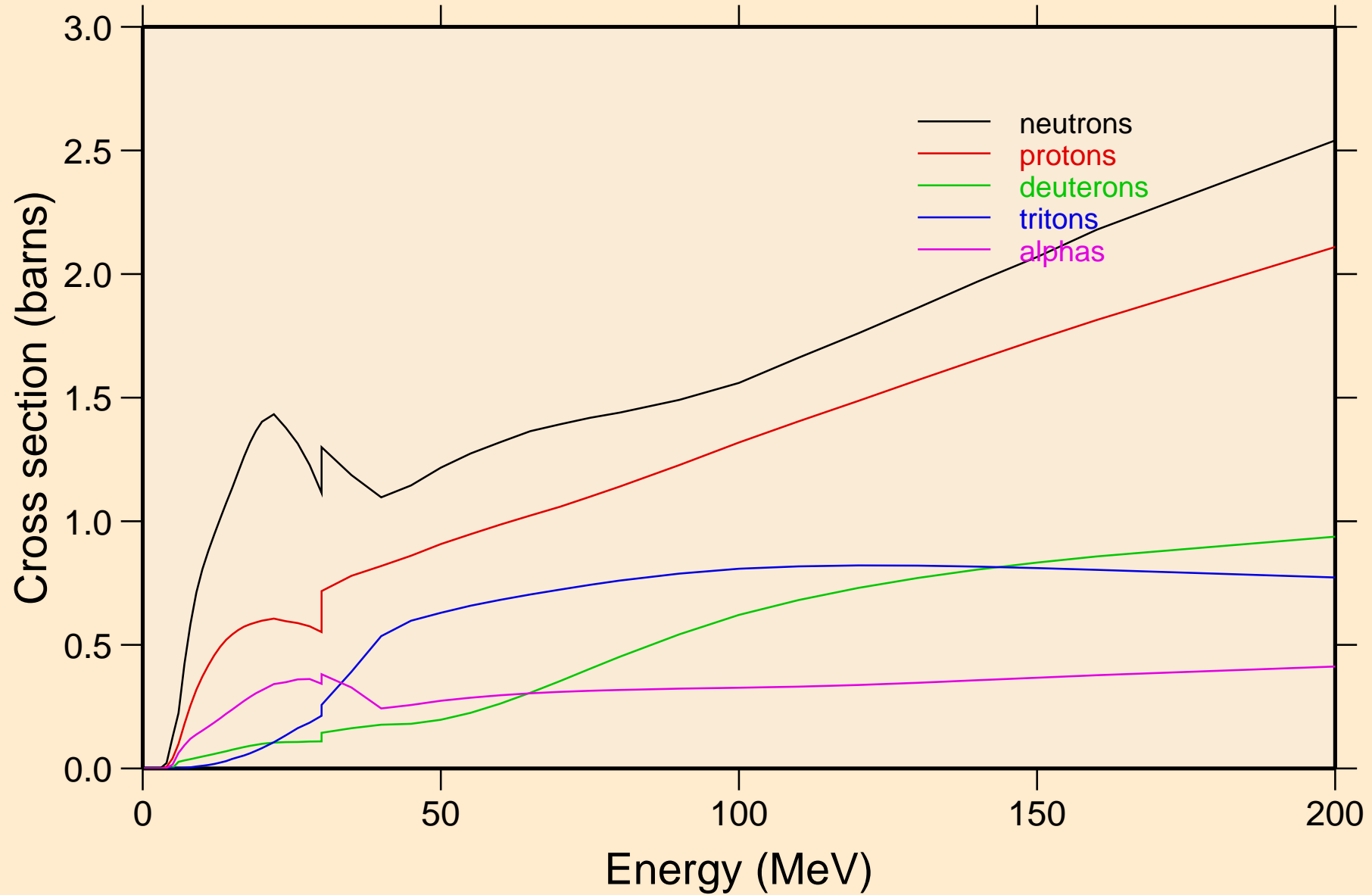
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions



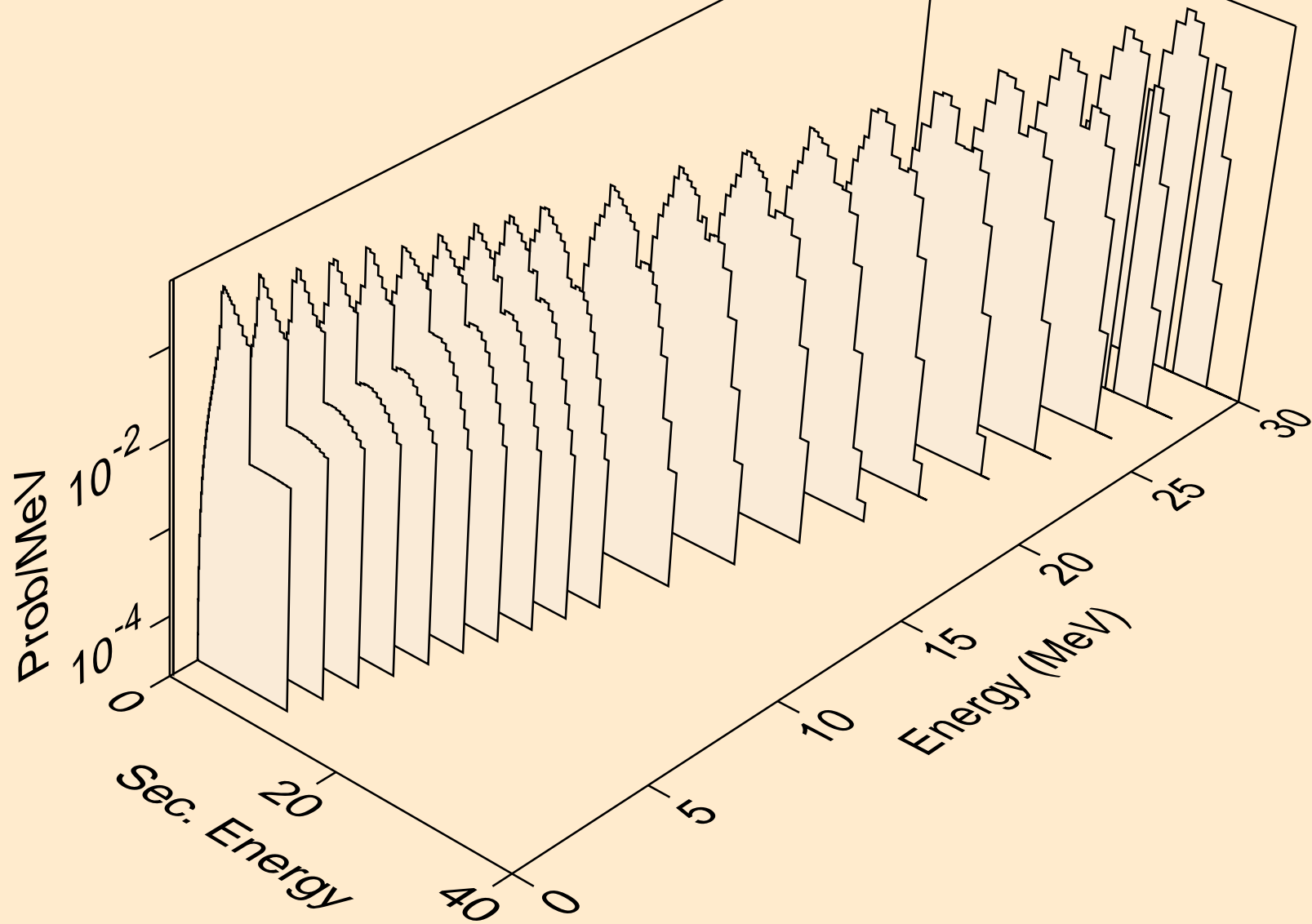
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



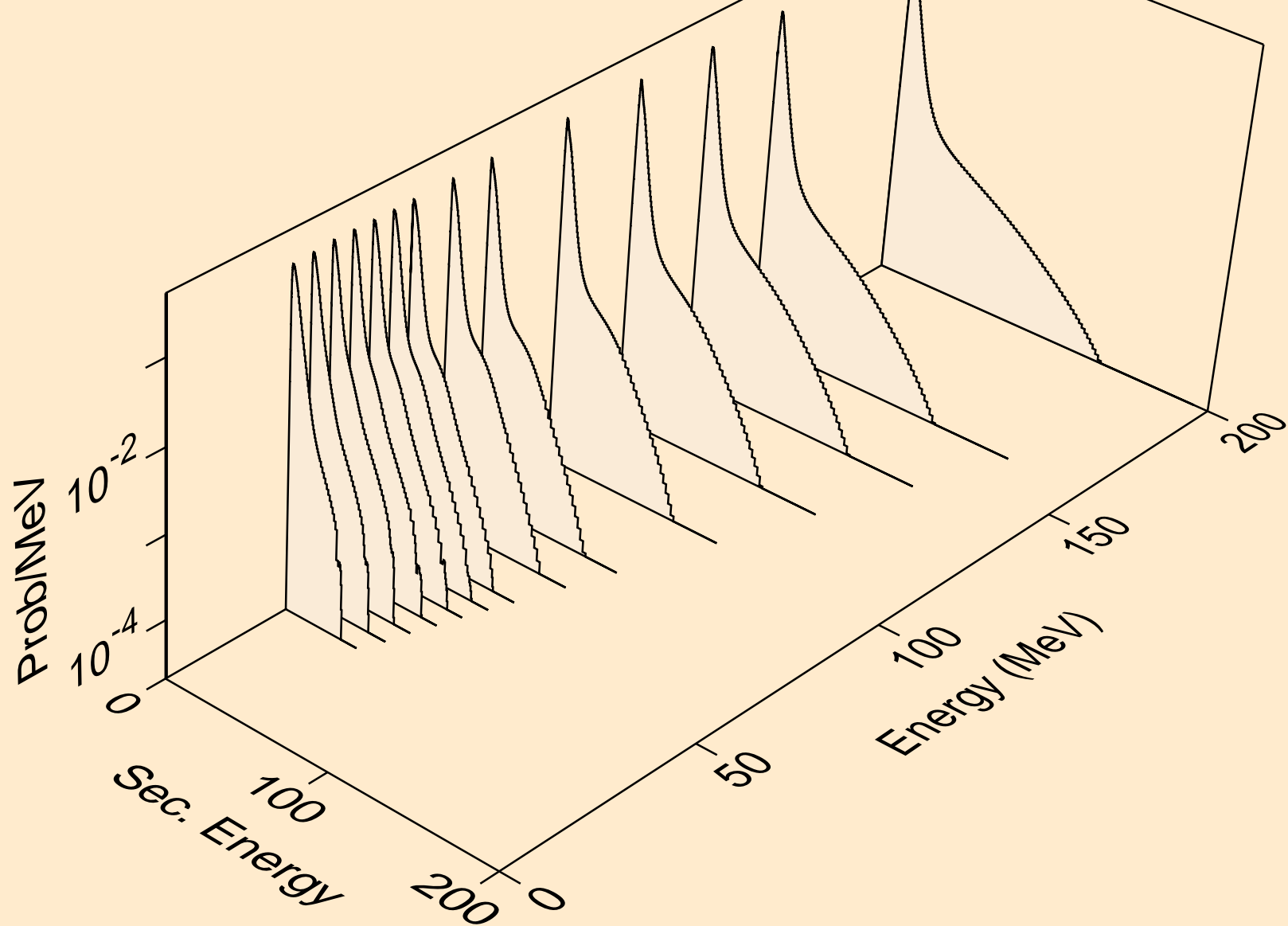
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



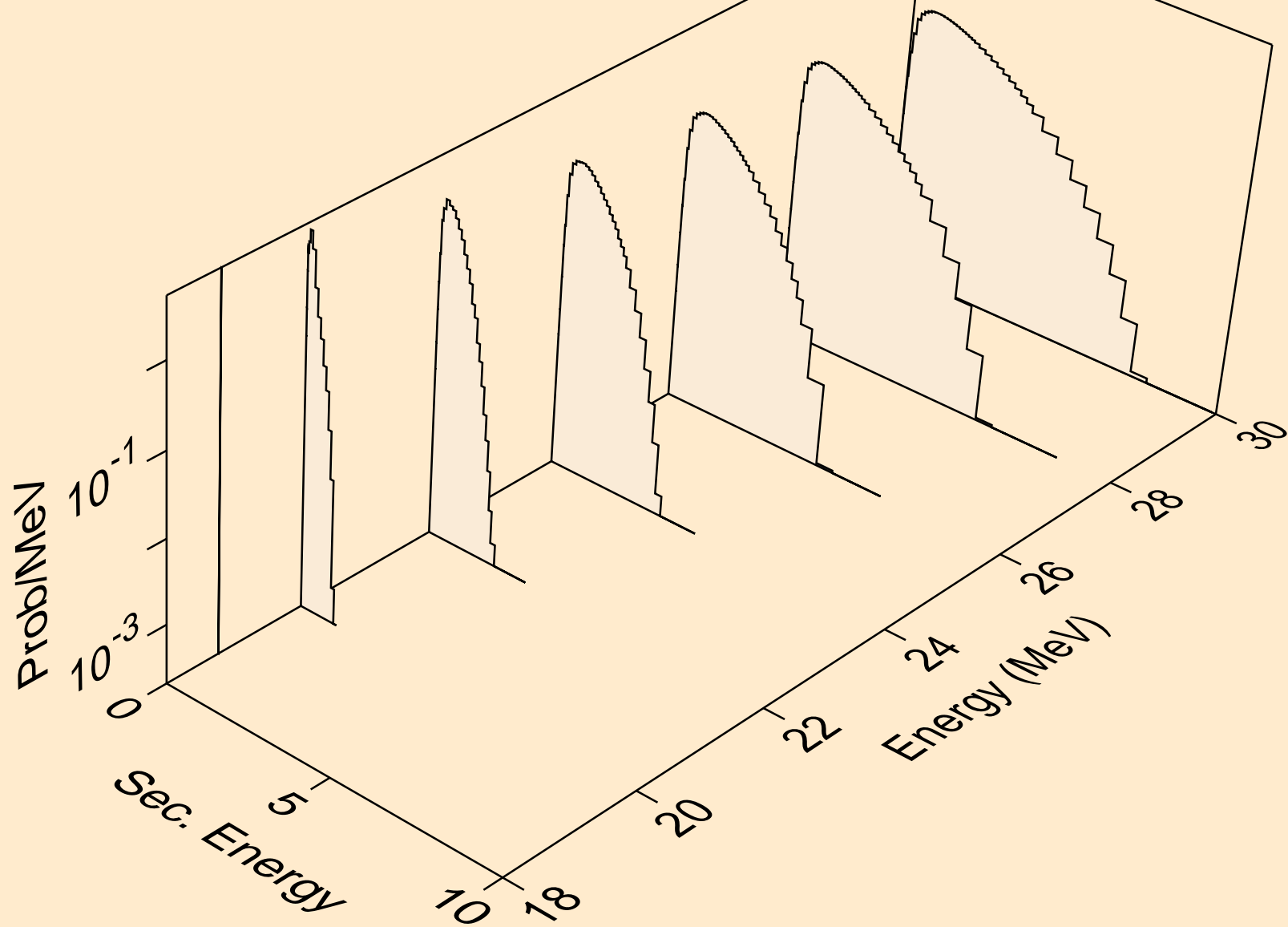
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



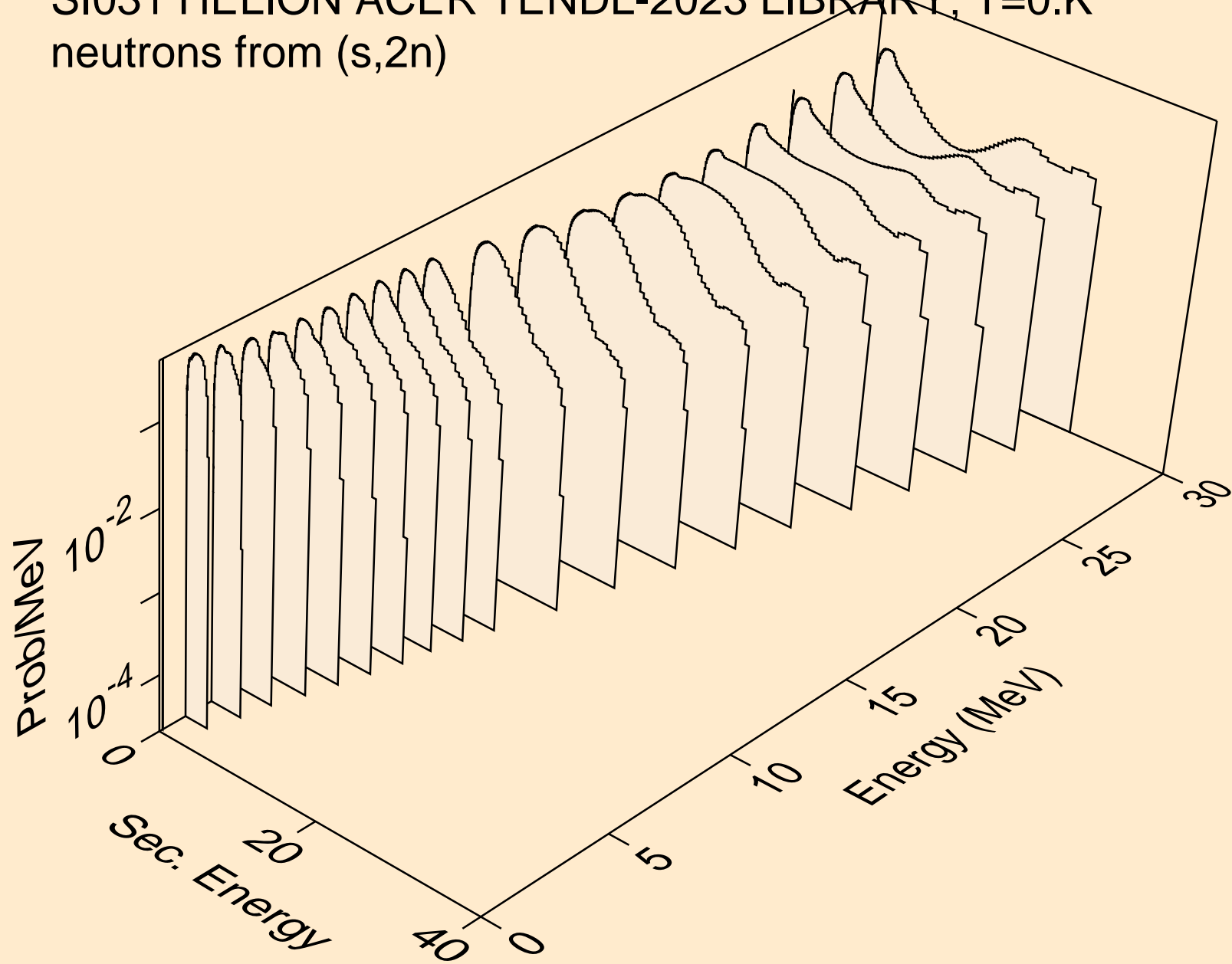
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,x)



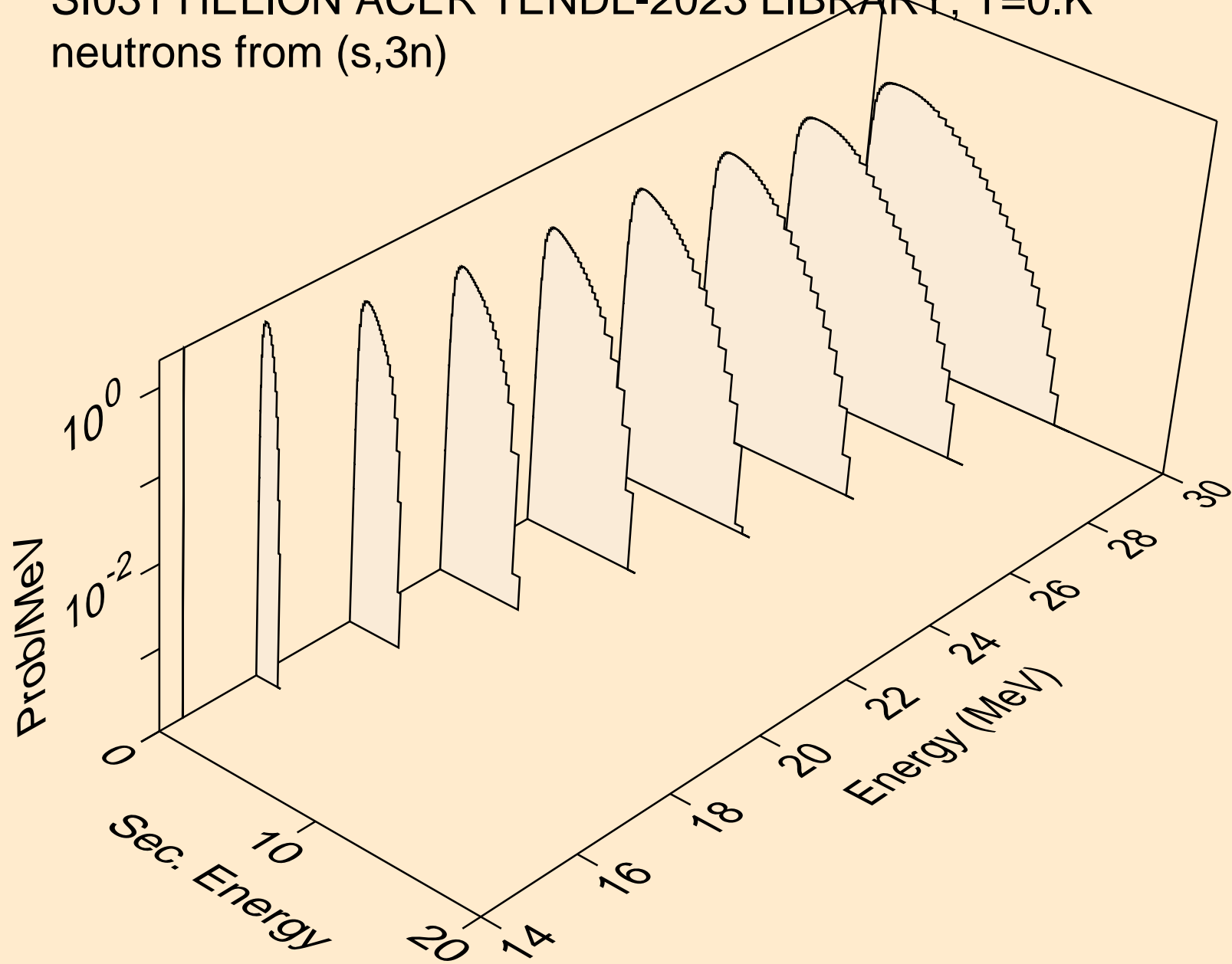
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2nd)



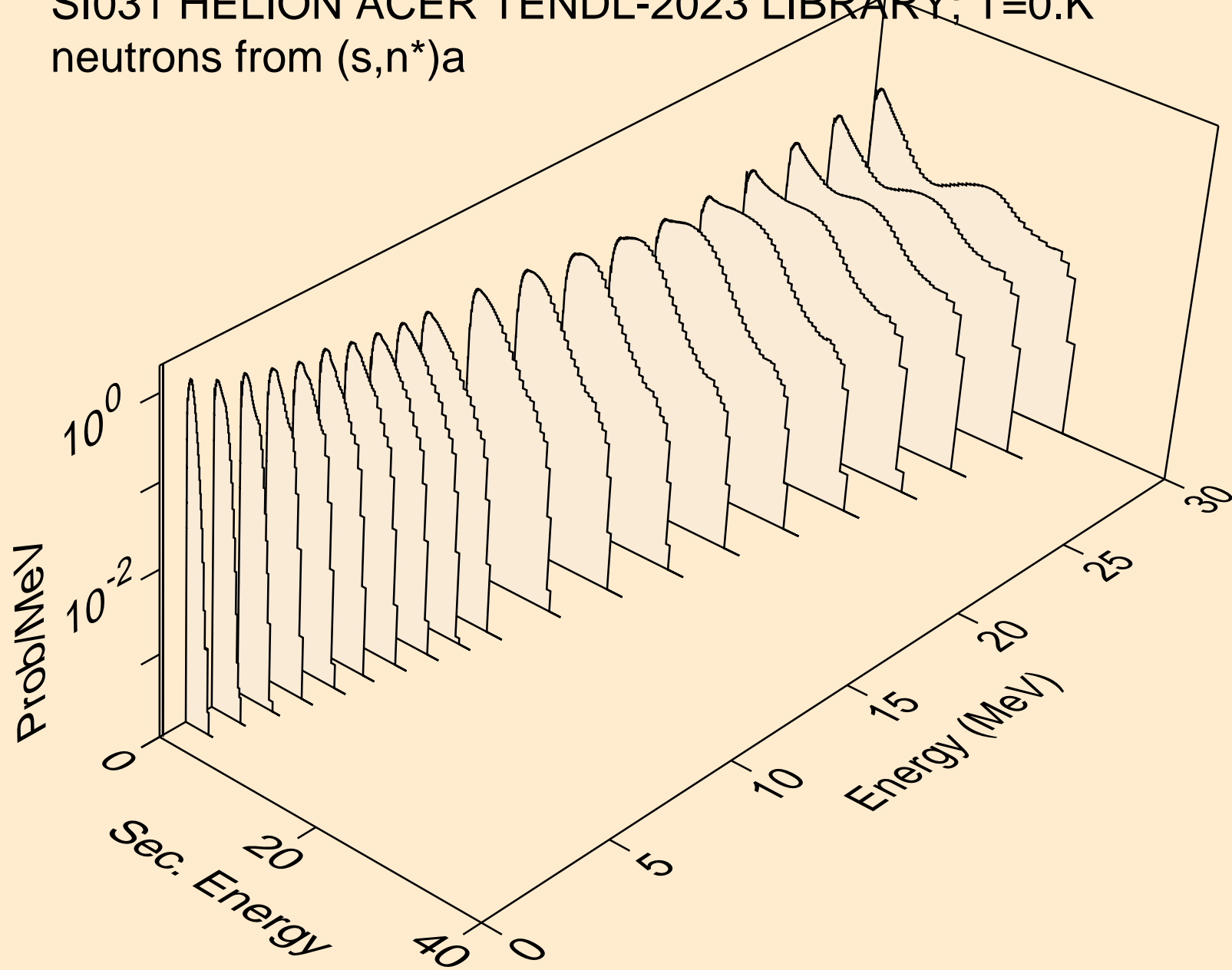
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)



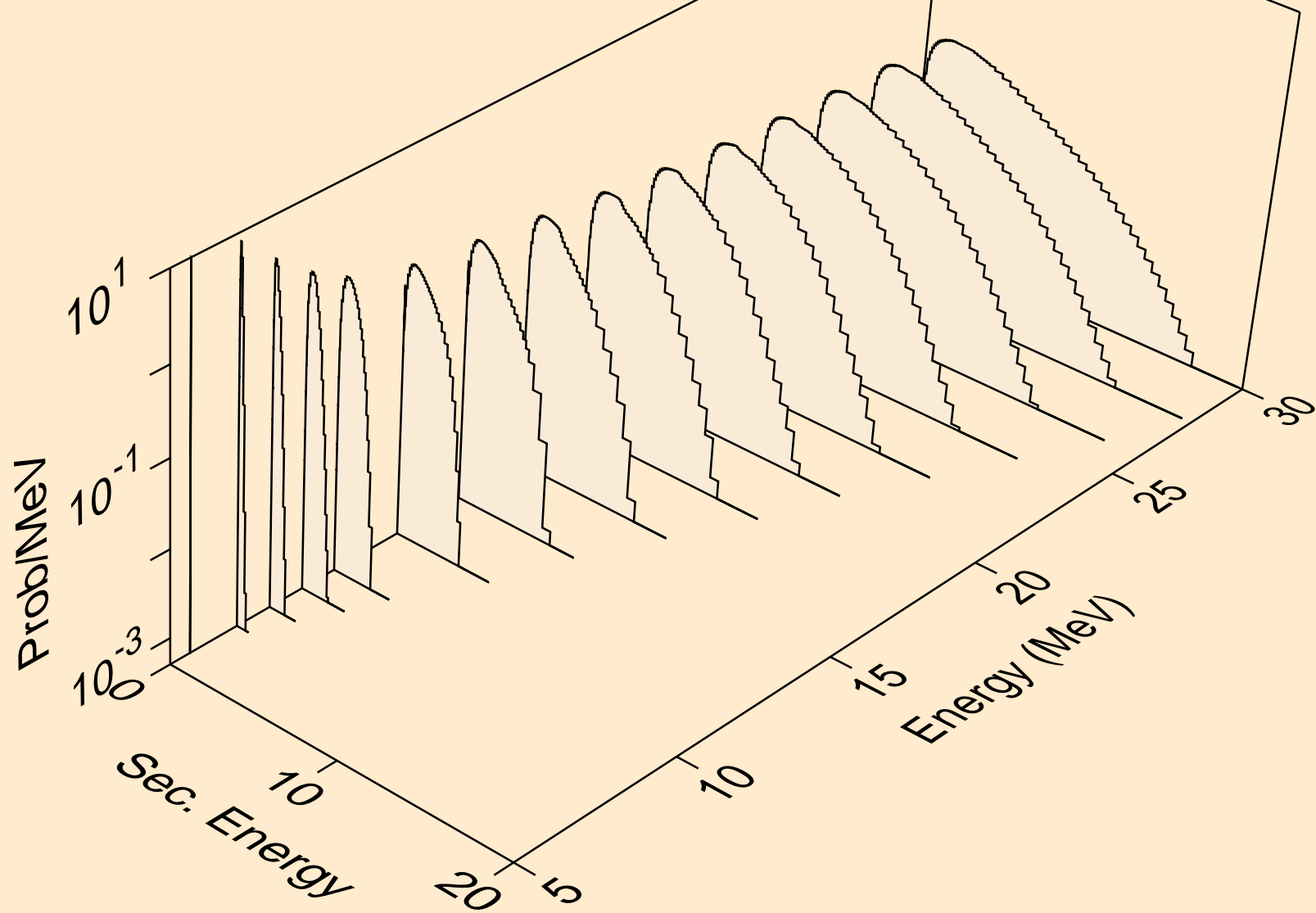
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3n)



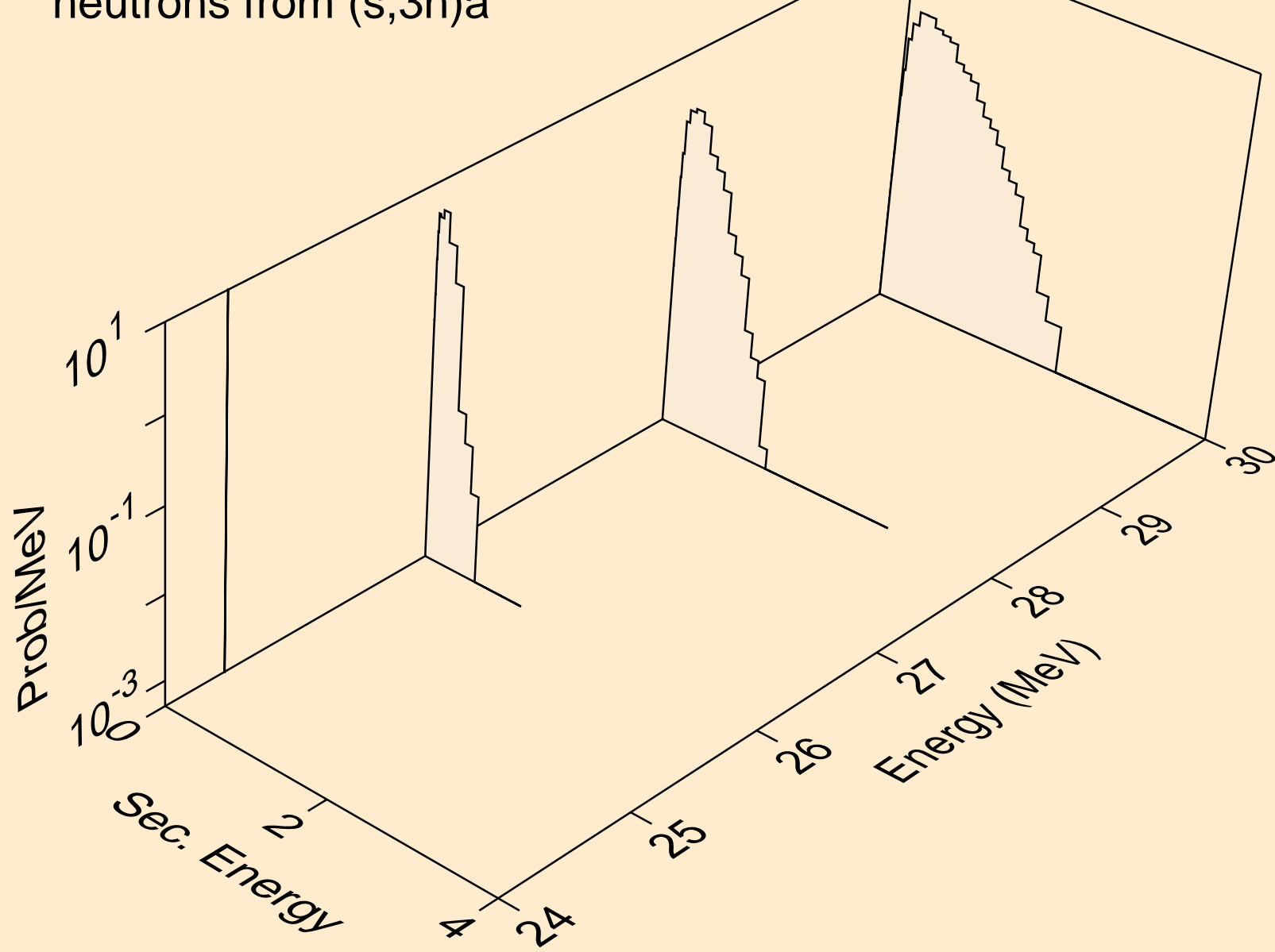
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a



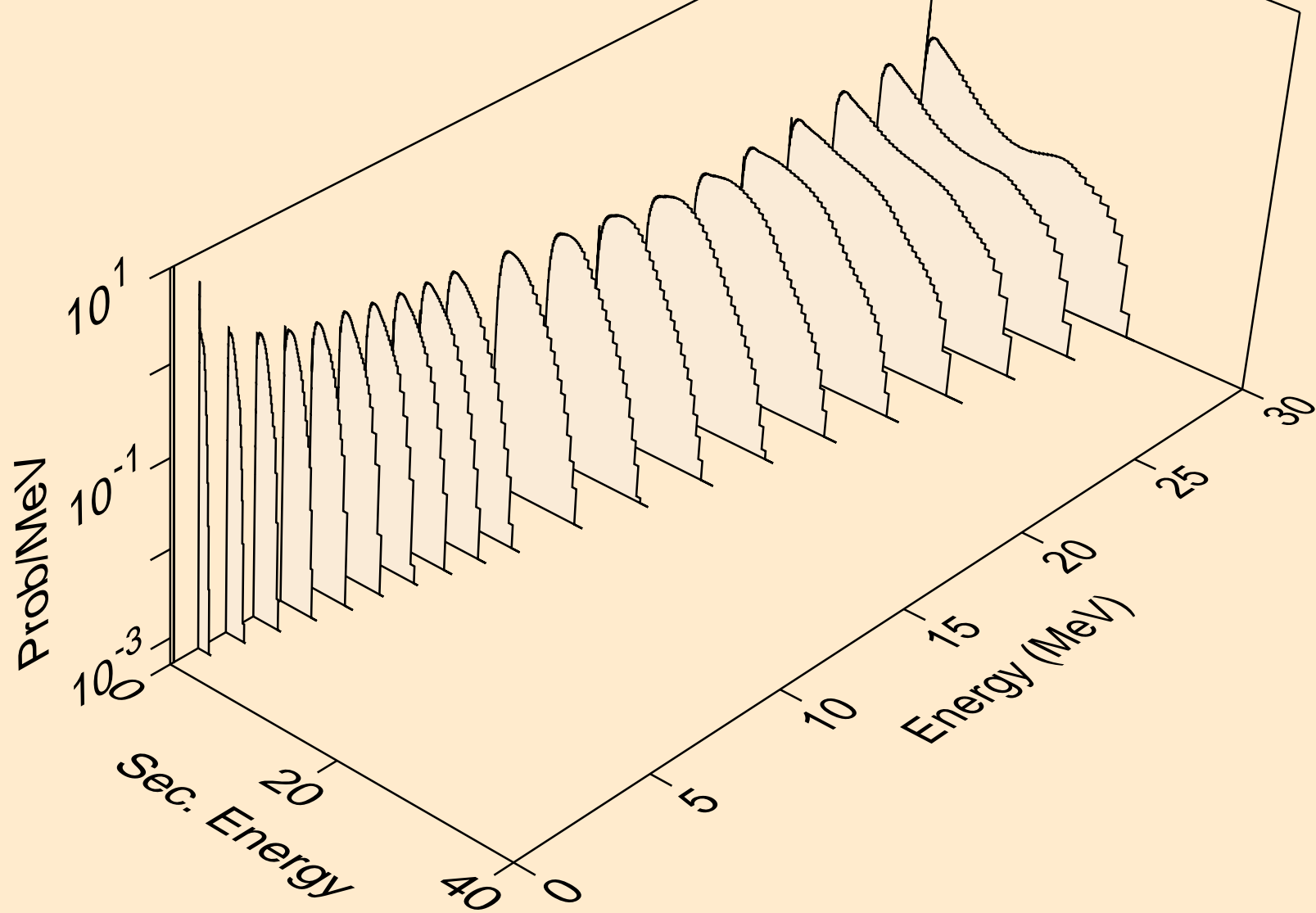
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)a



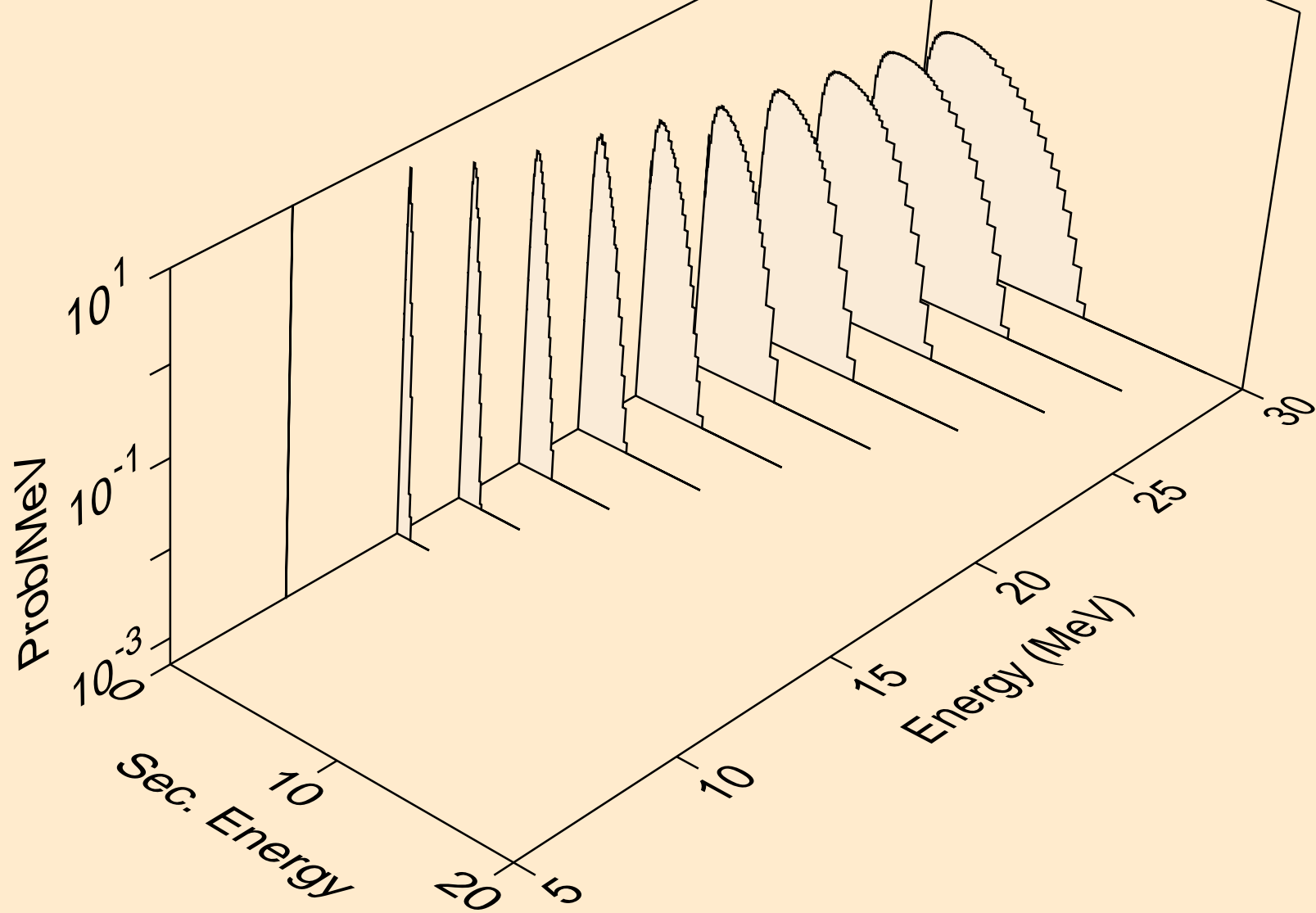
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3n)a



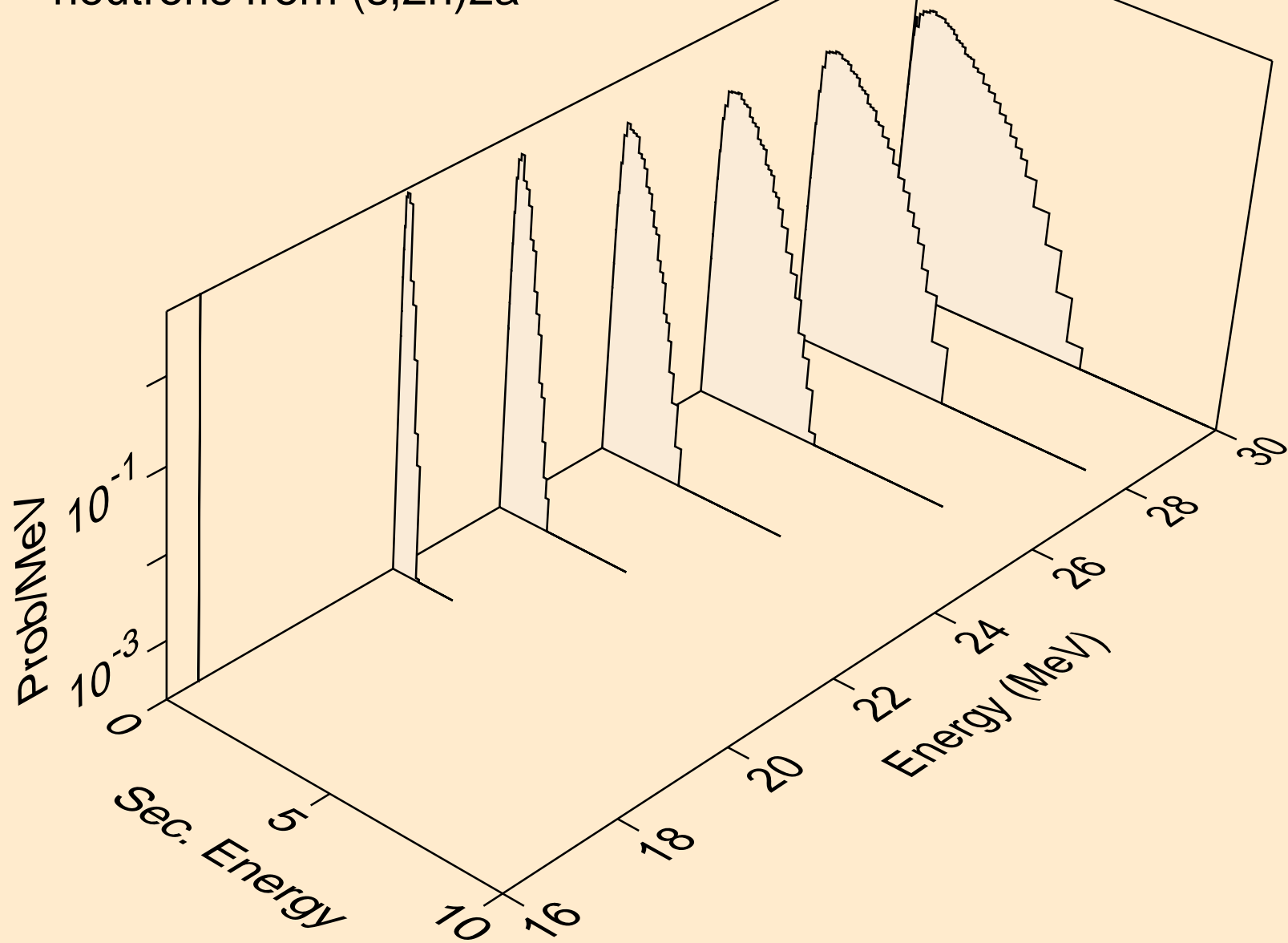
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)p



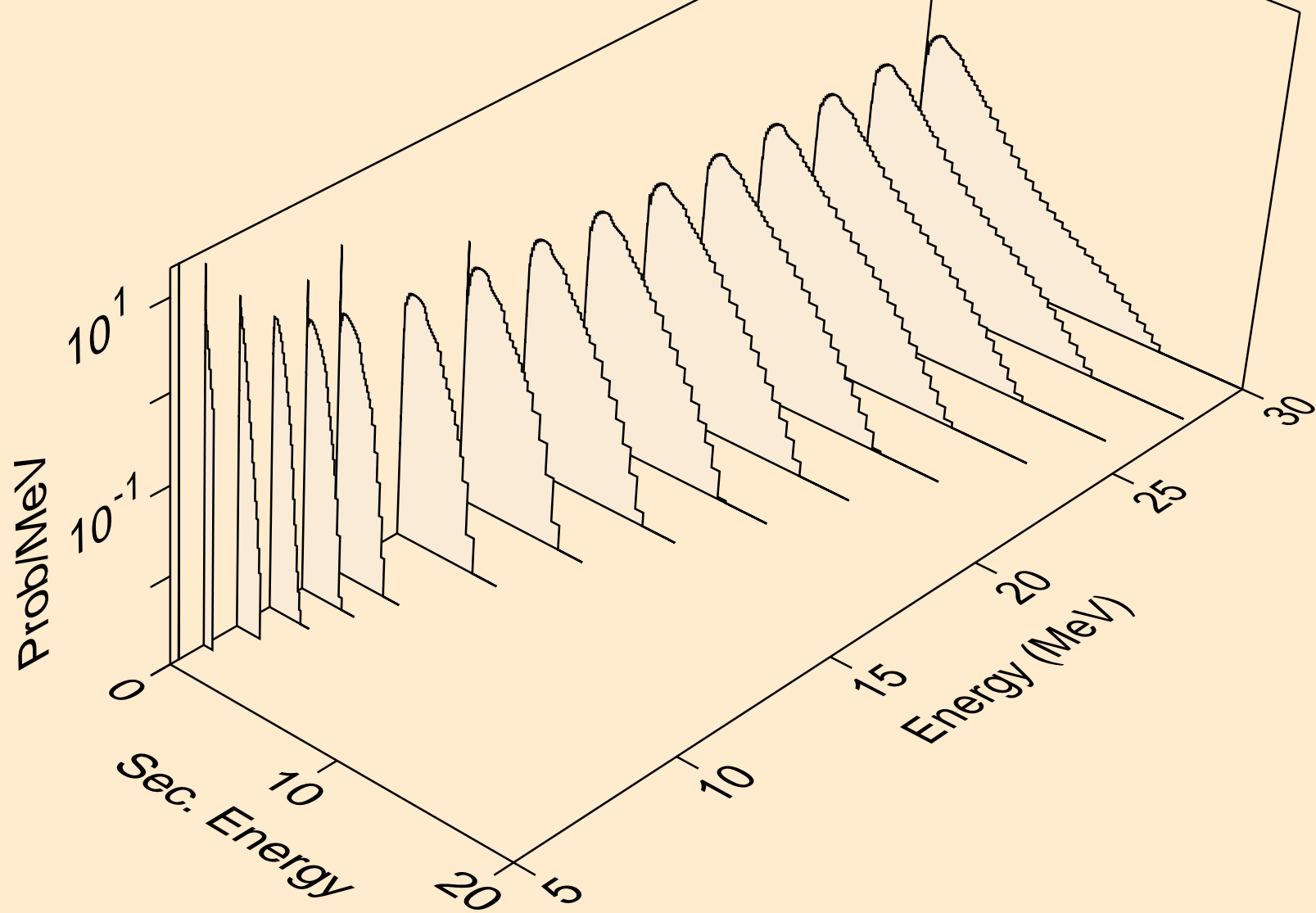
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)2a



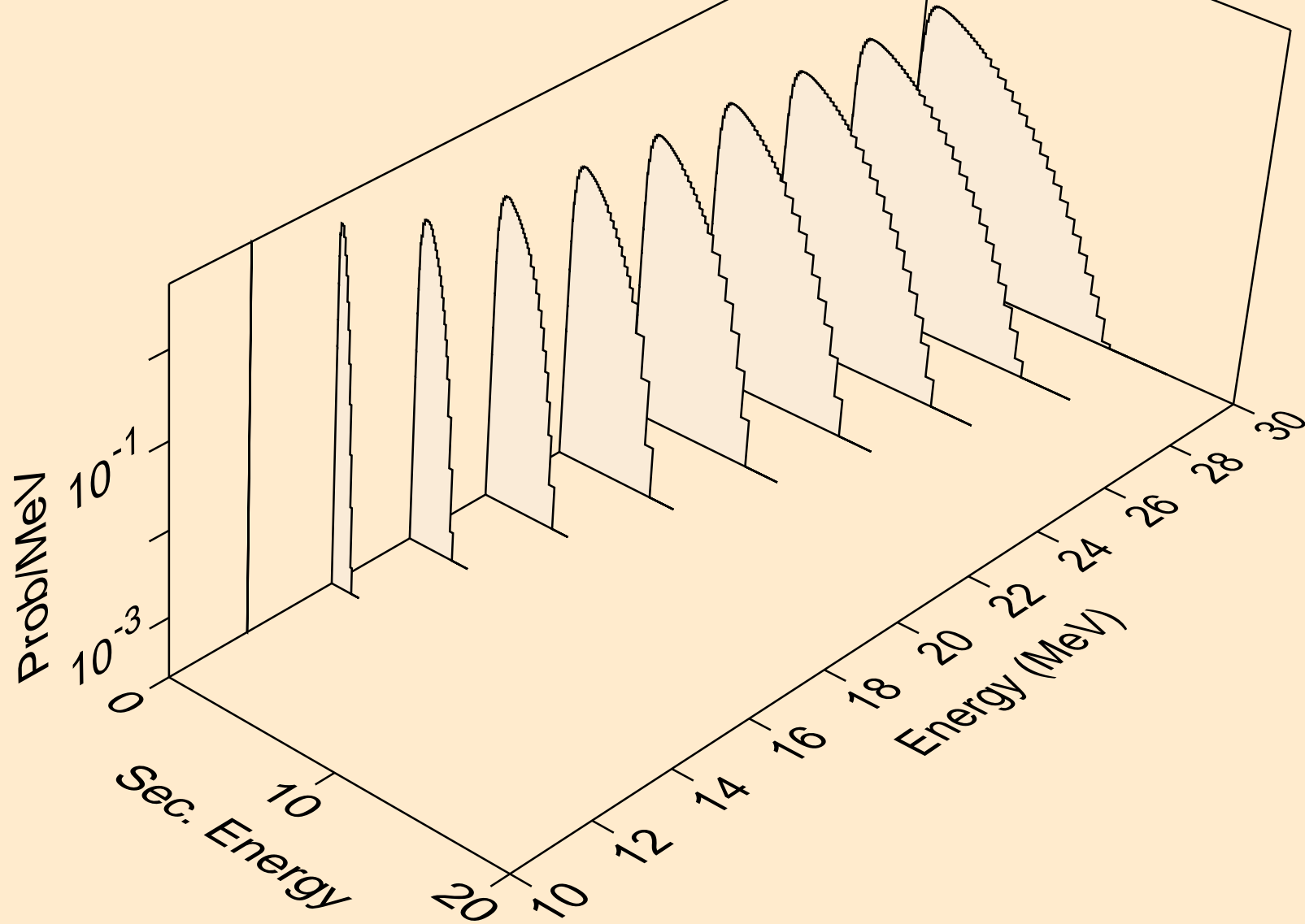
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)2a



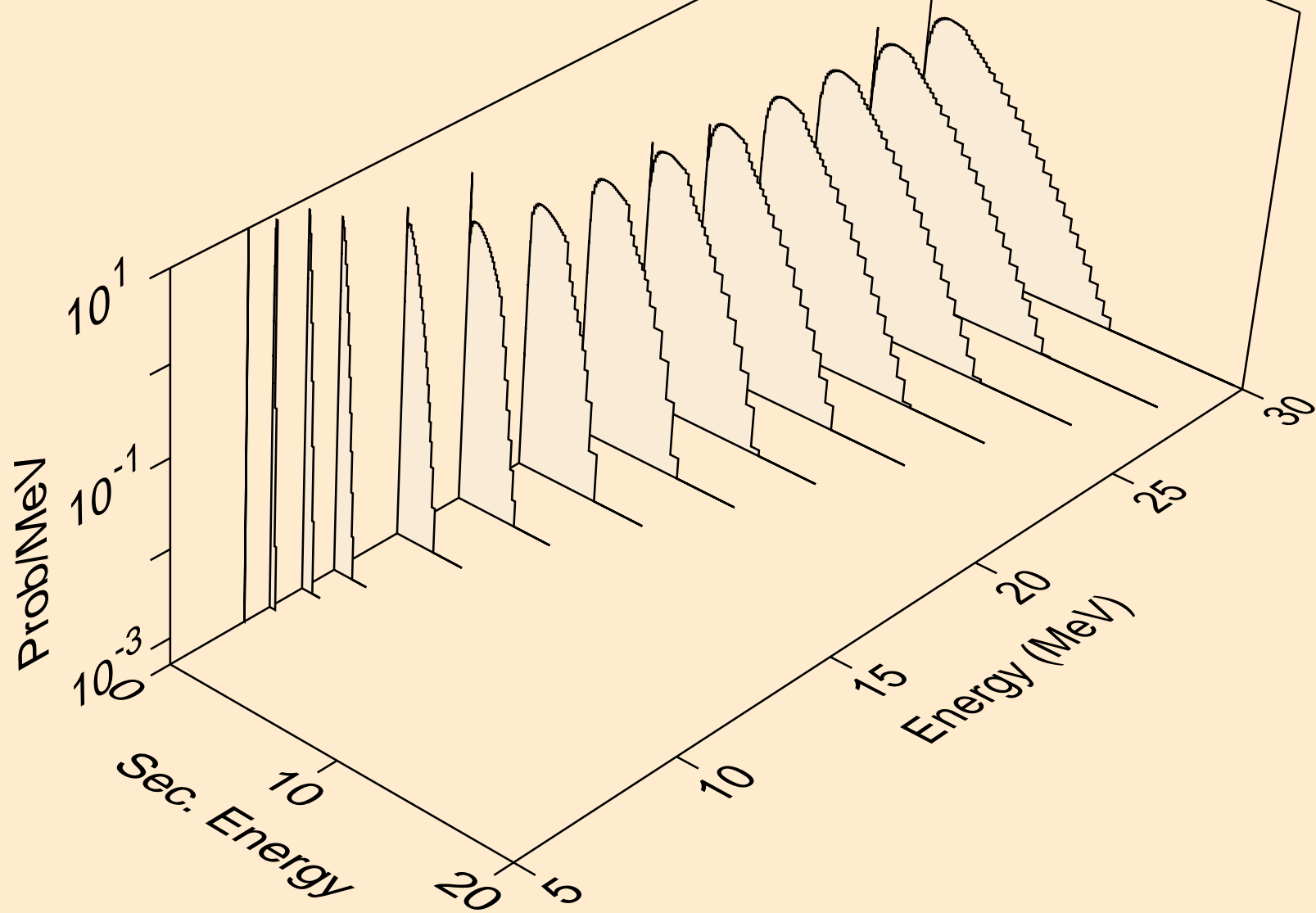
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)d



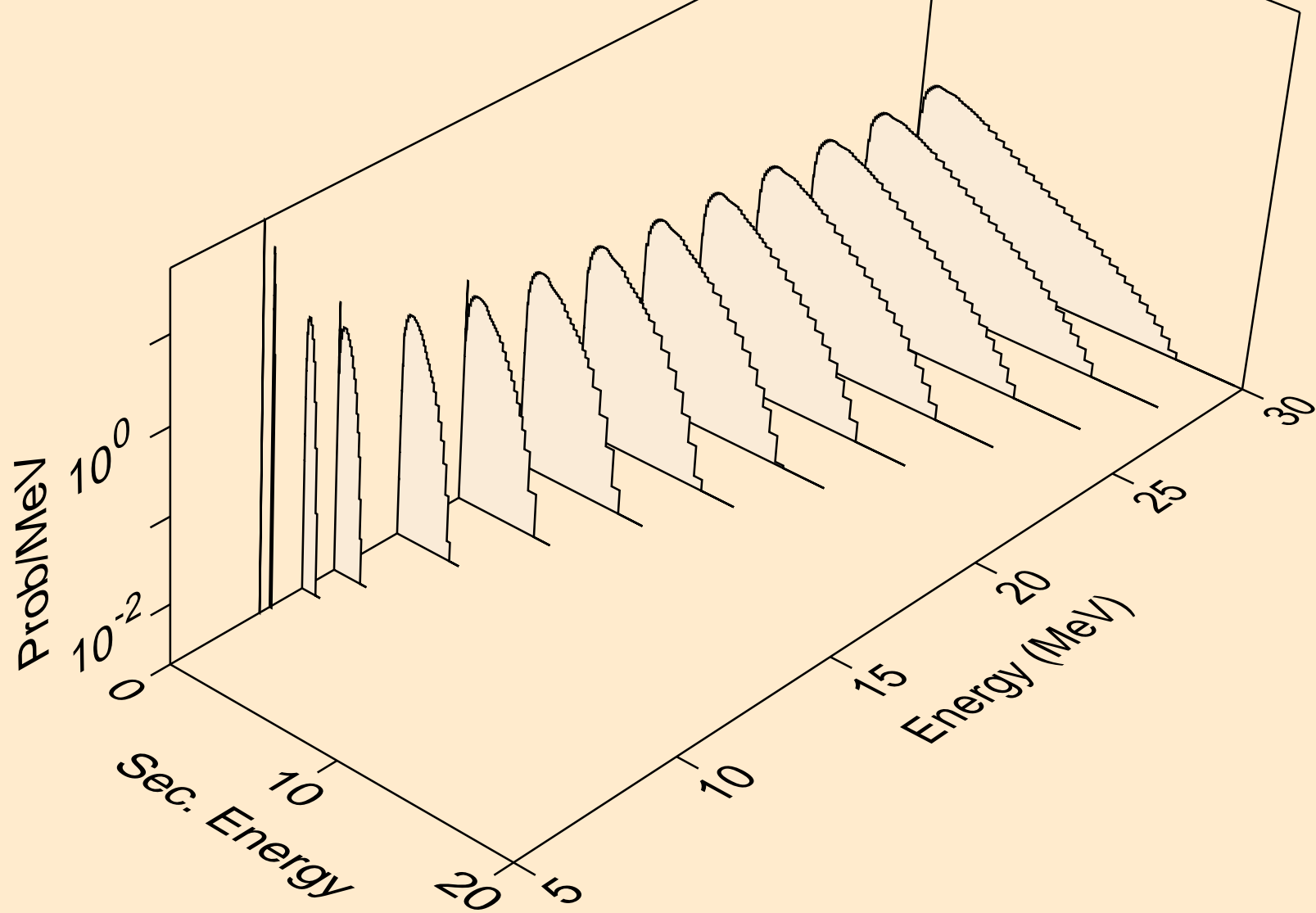
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)t



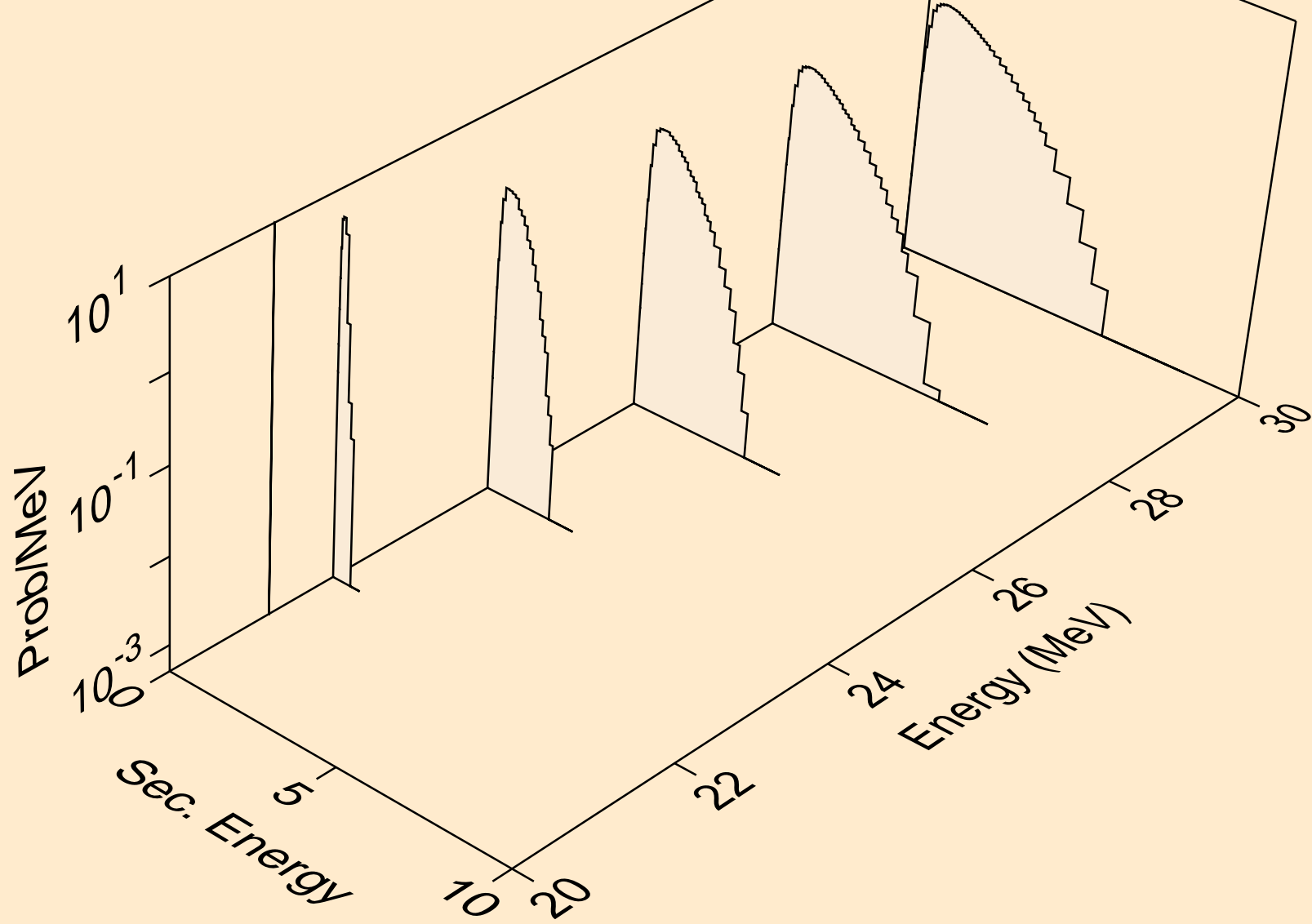
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3



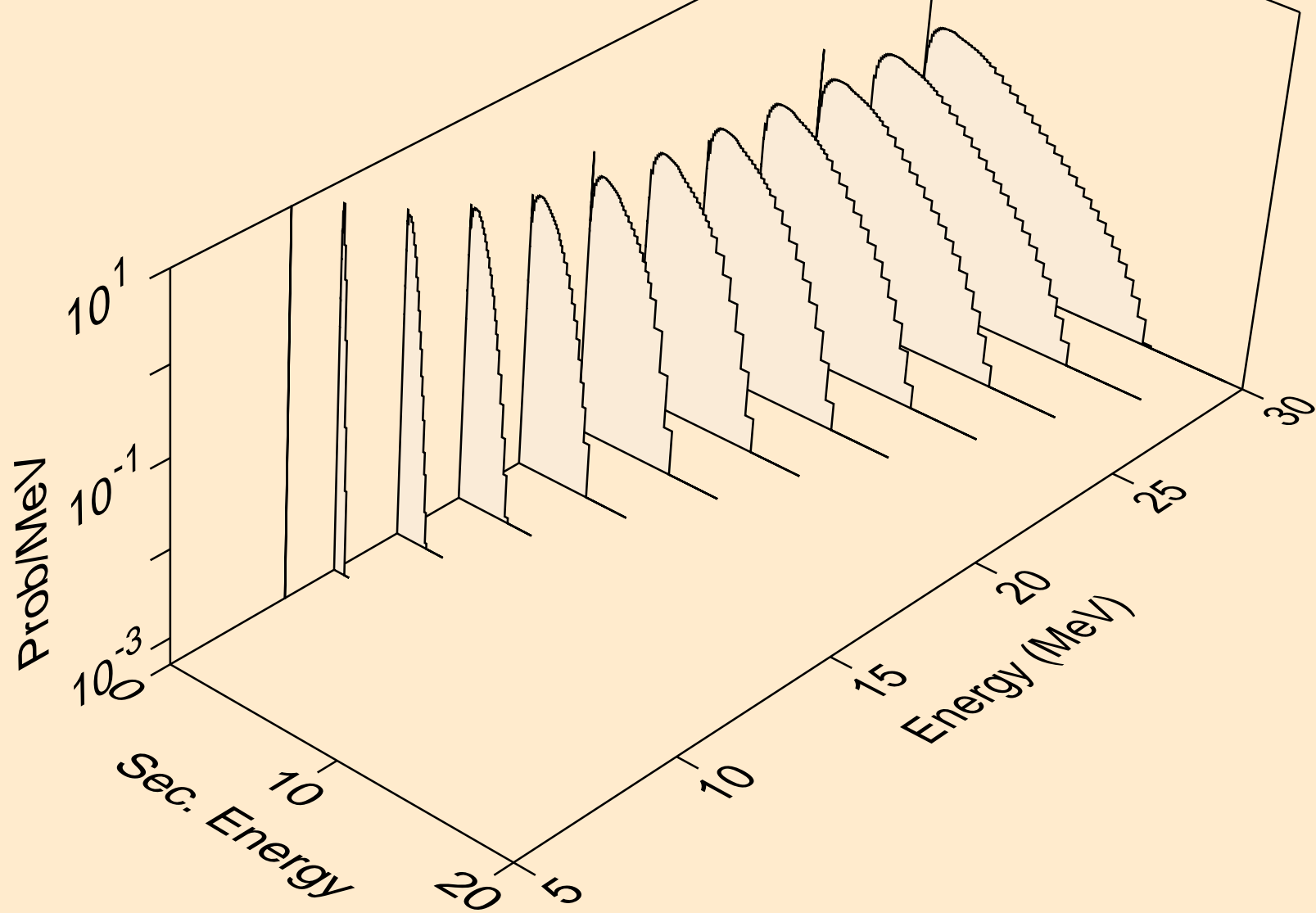
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2np)



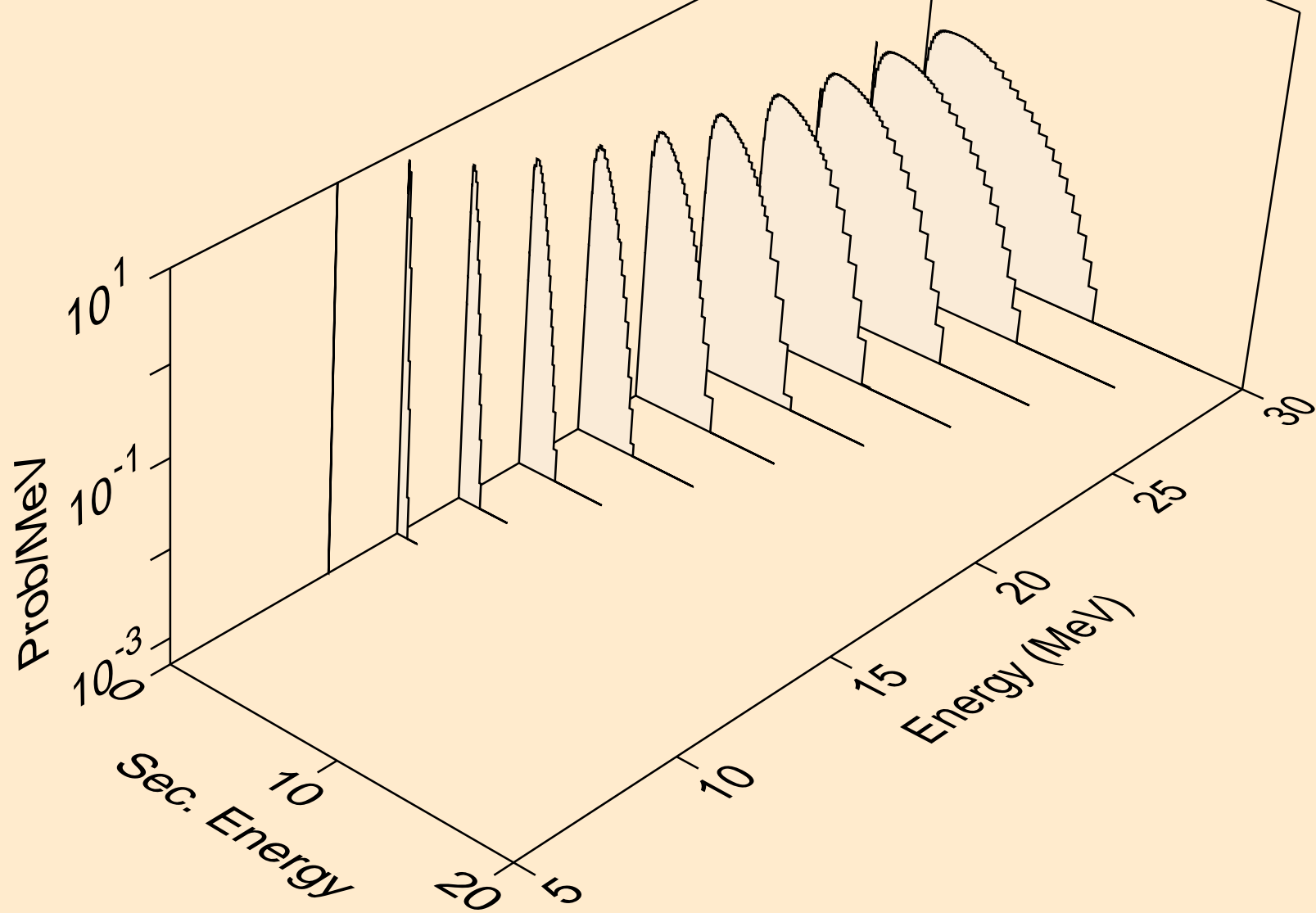
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3np)



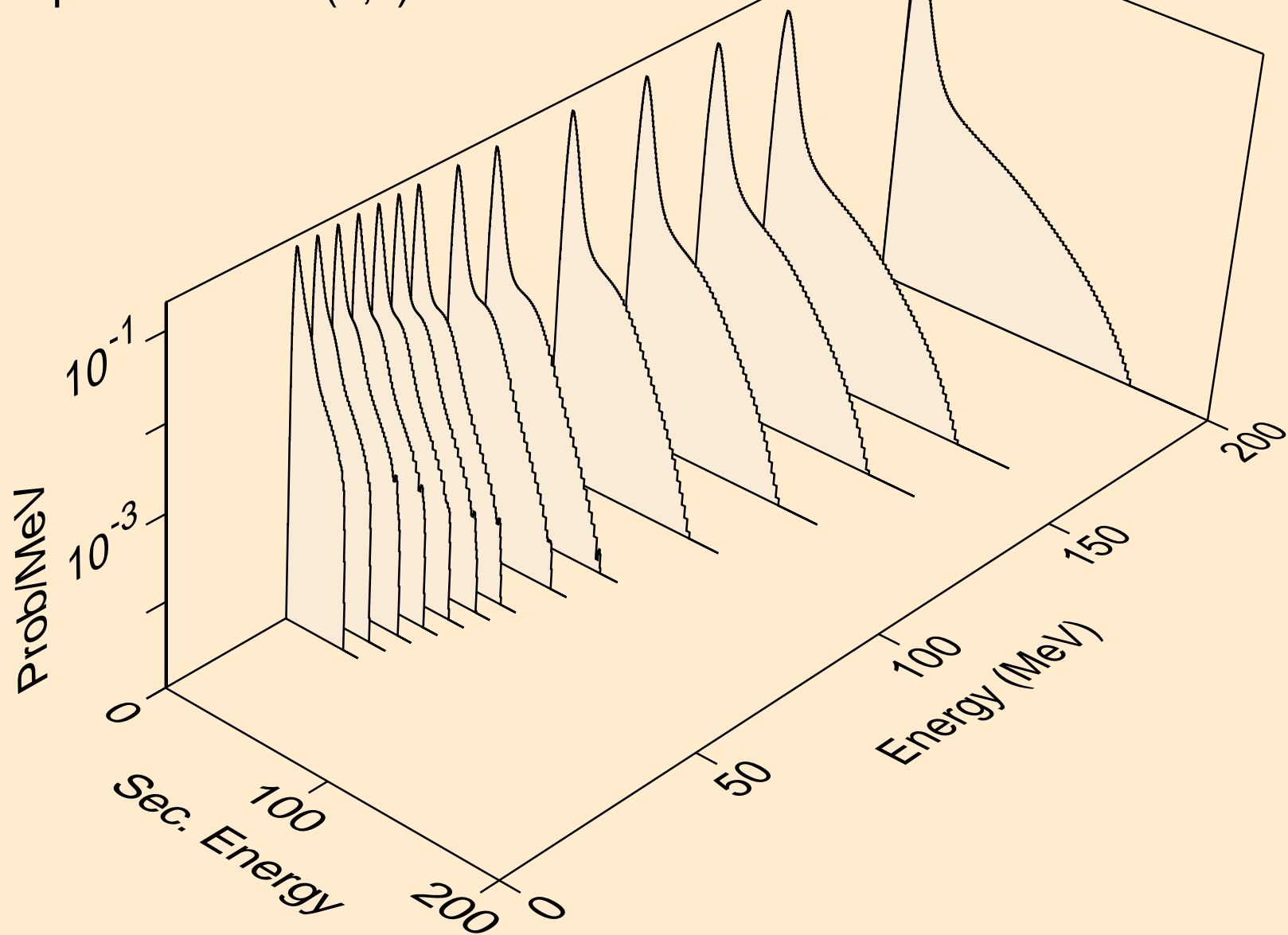
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n2p)



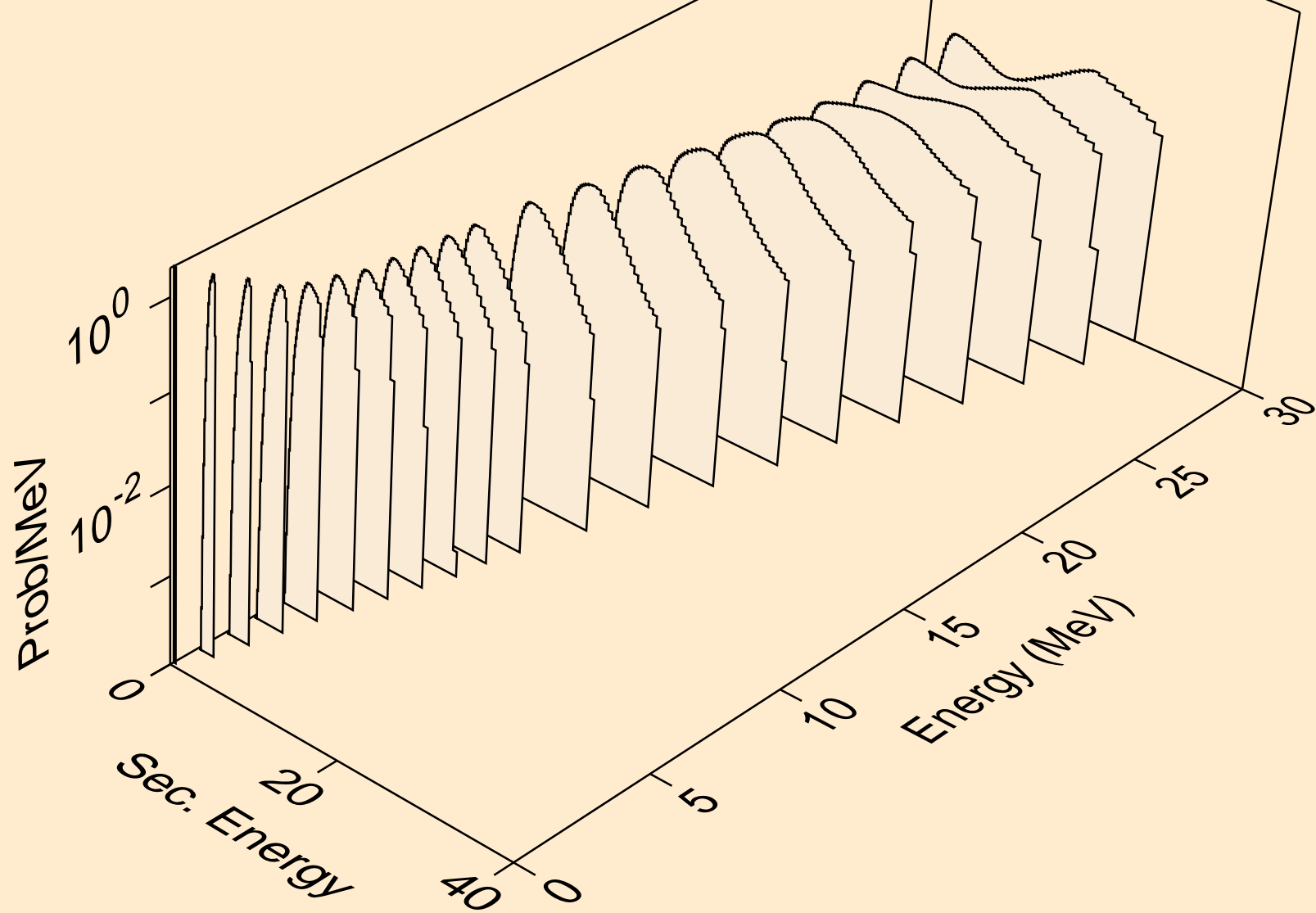
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,npa)



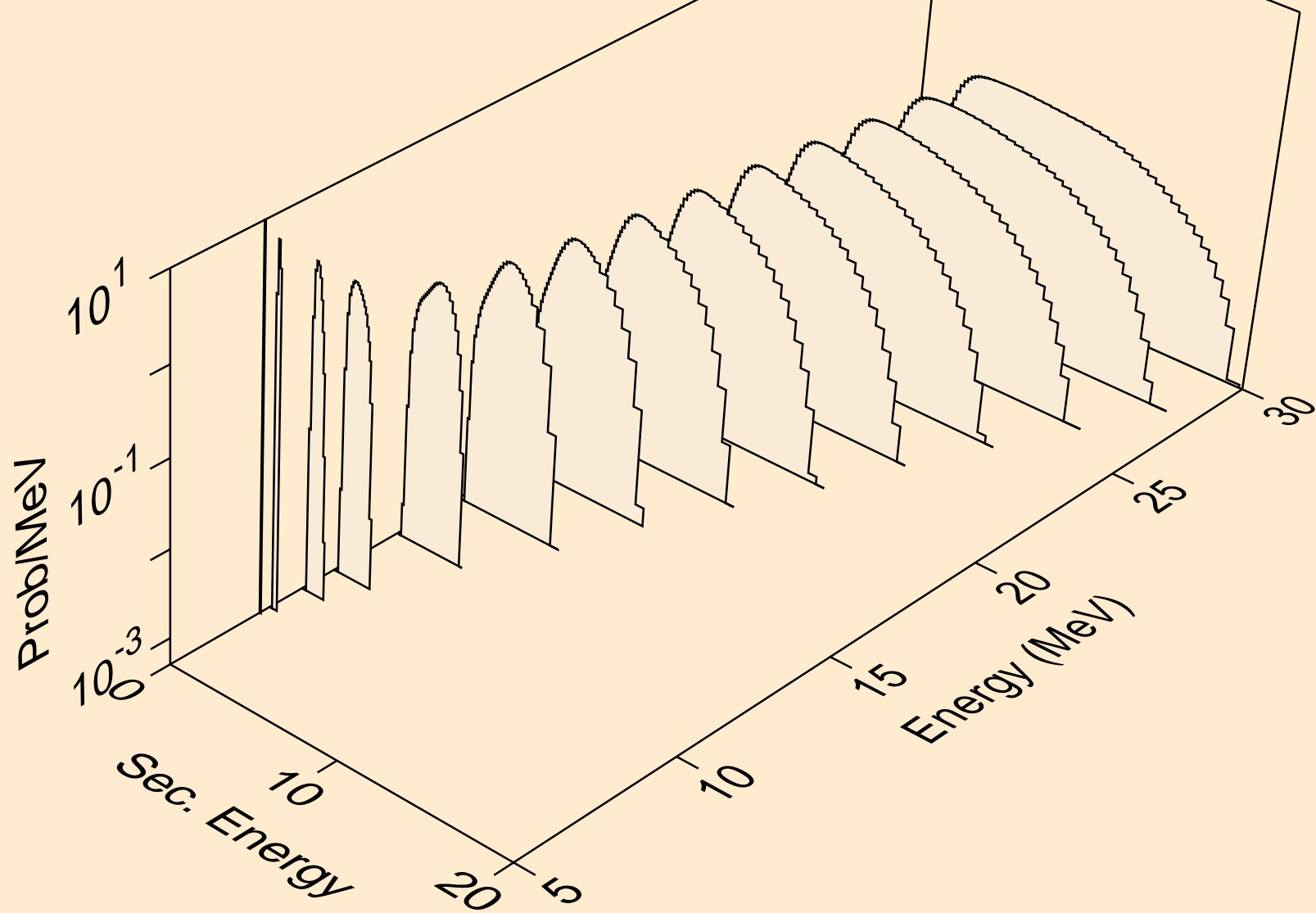
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,x)



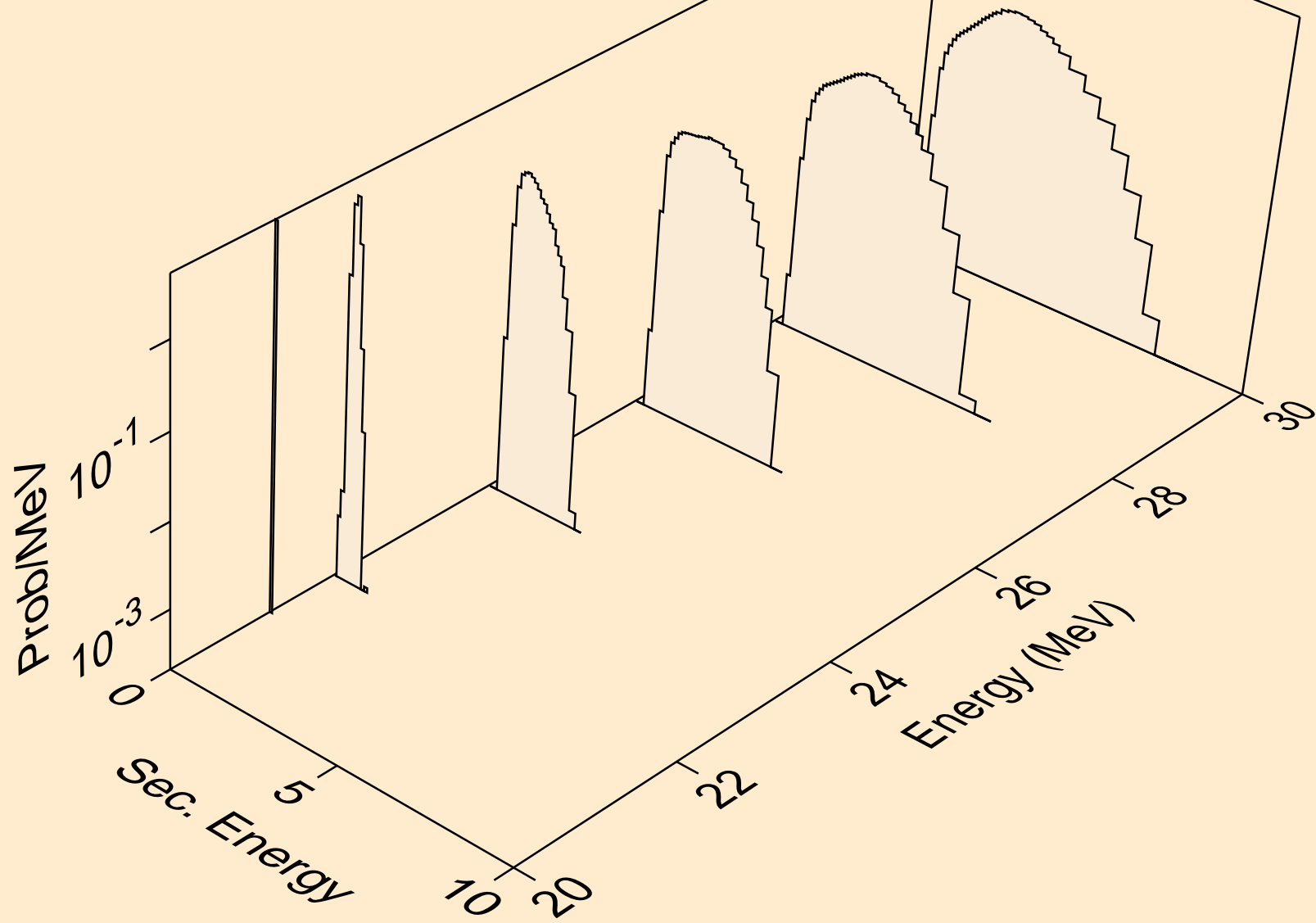
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n\*)p



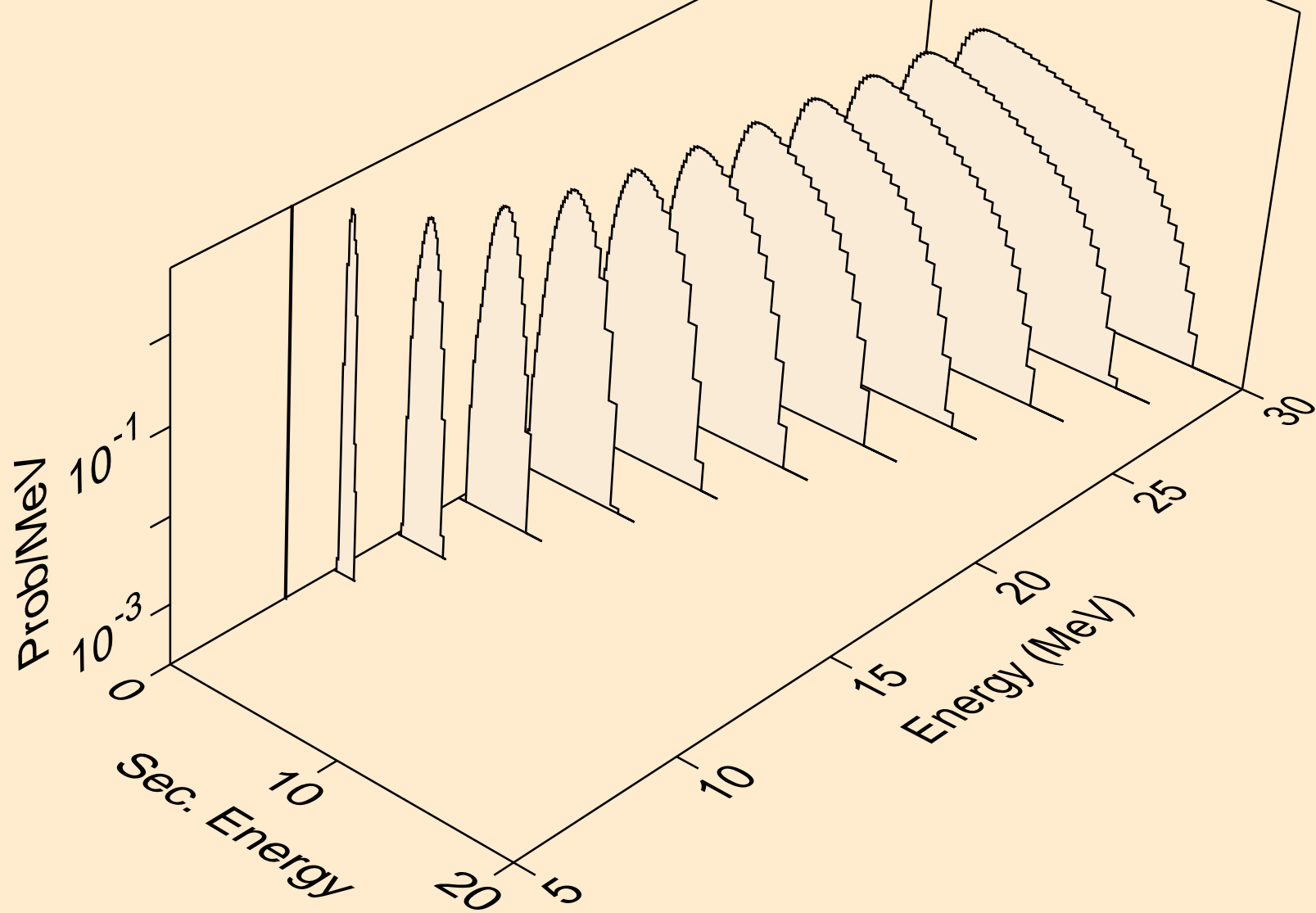
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,2np)



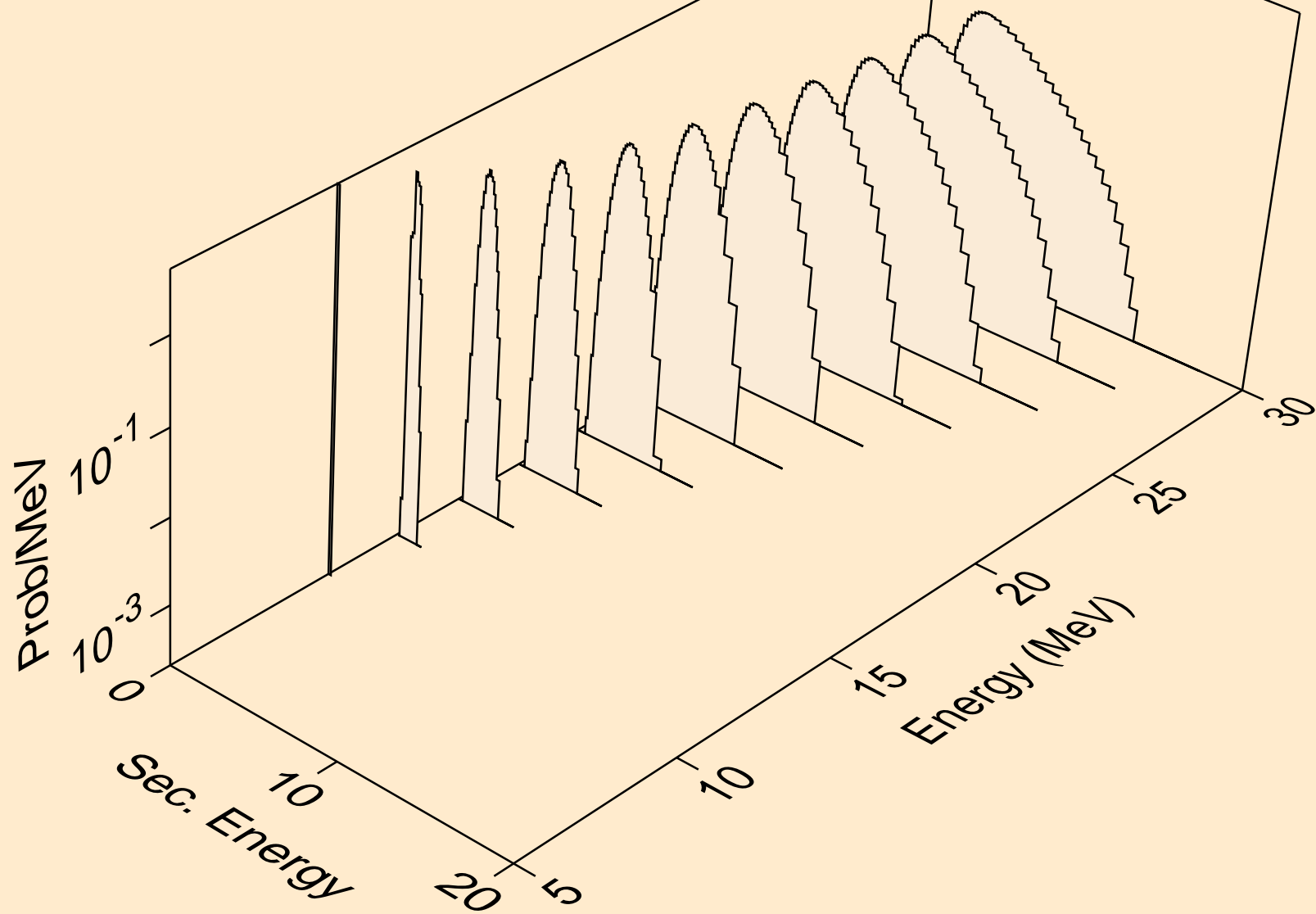
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,3np)



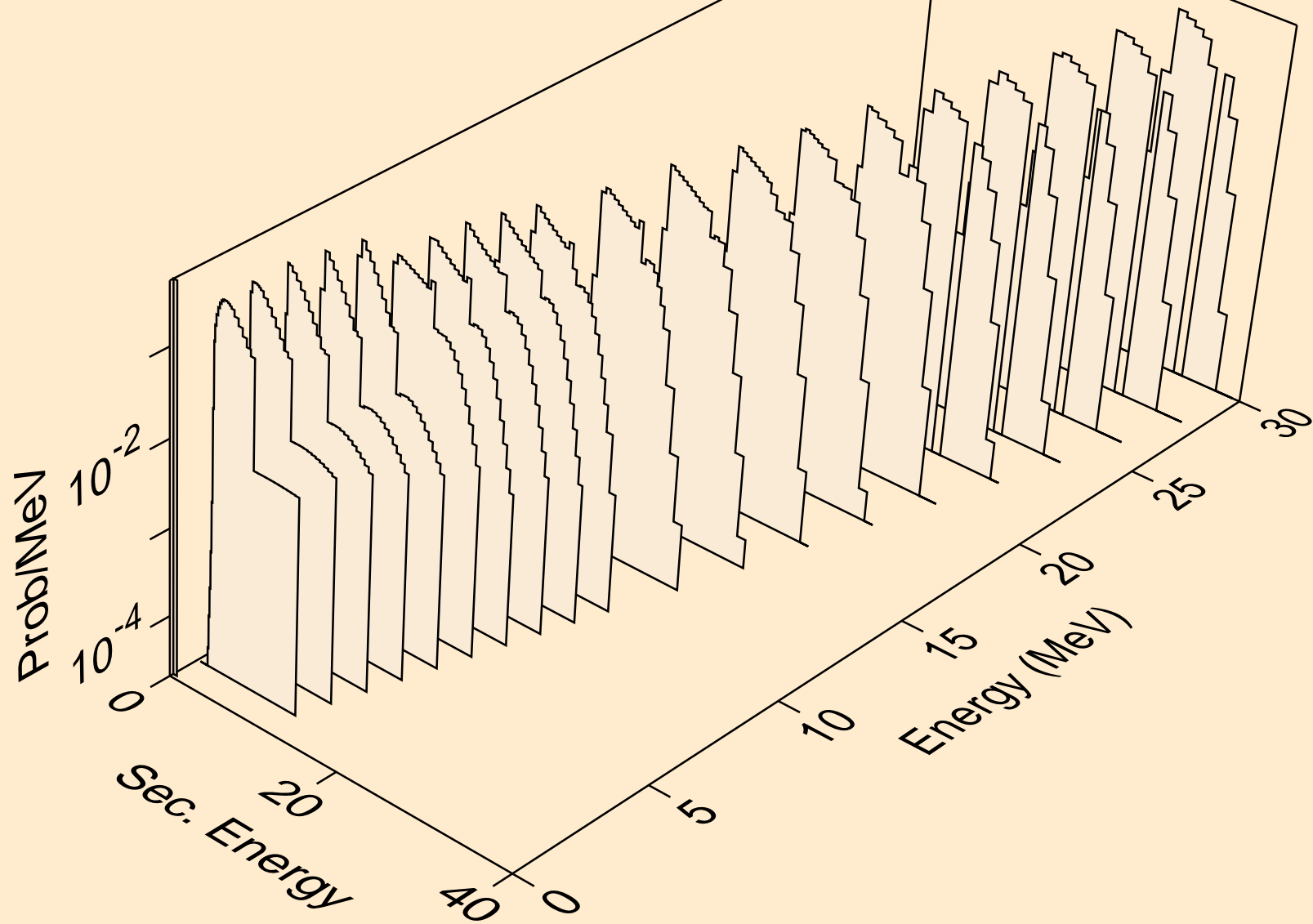
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n2p)



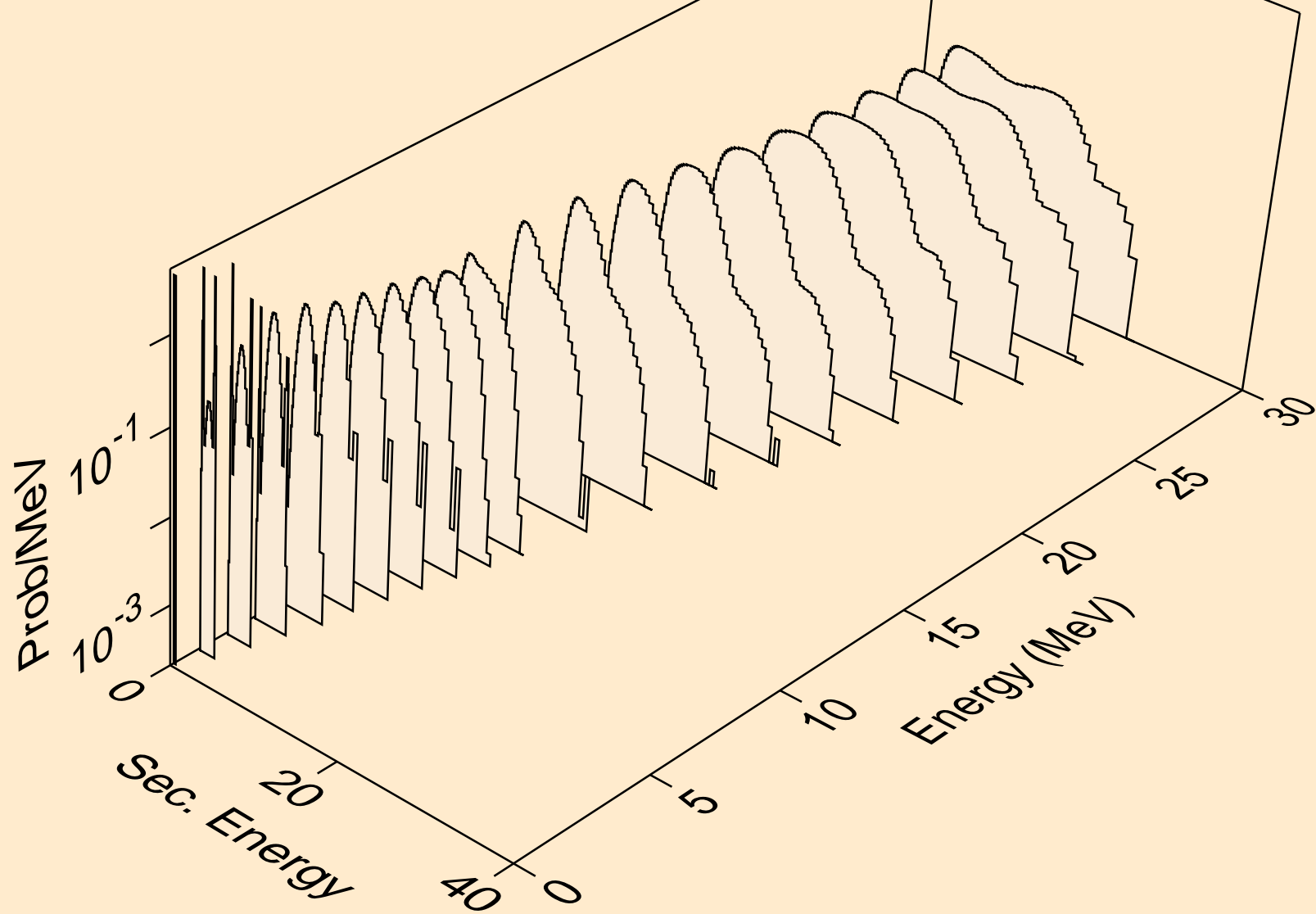
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,npa)



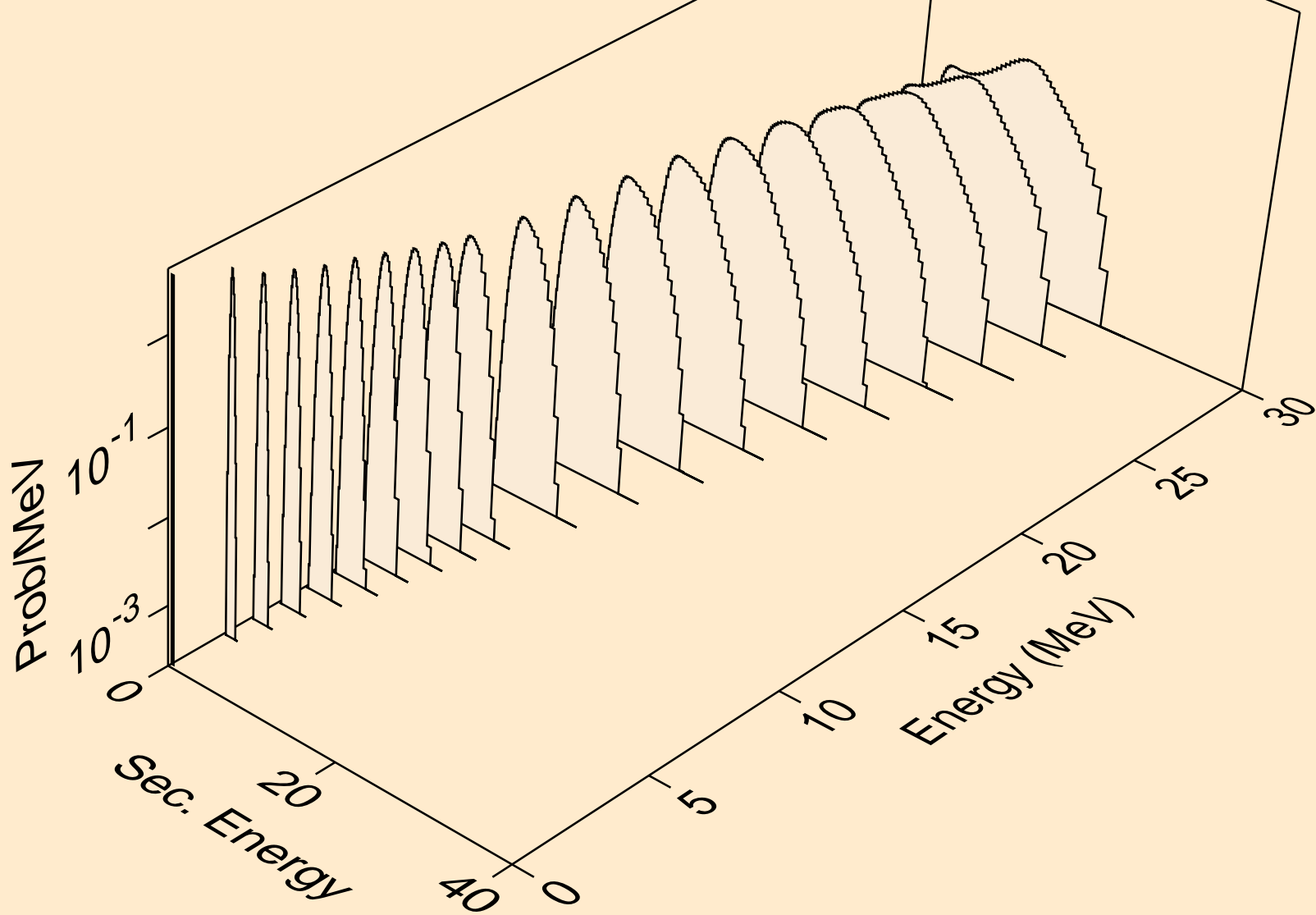
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,p)



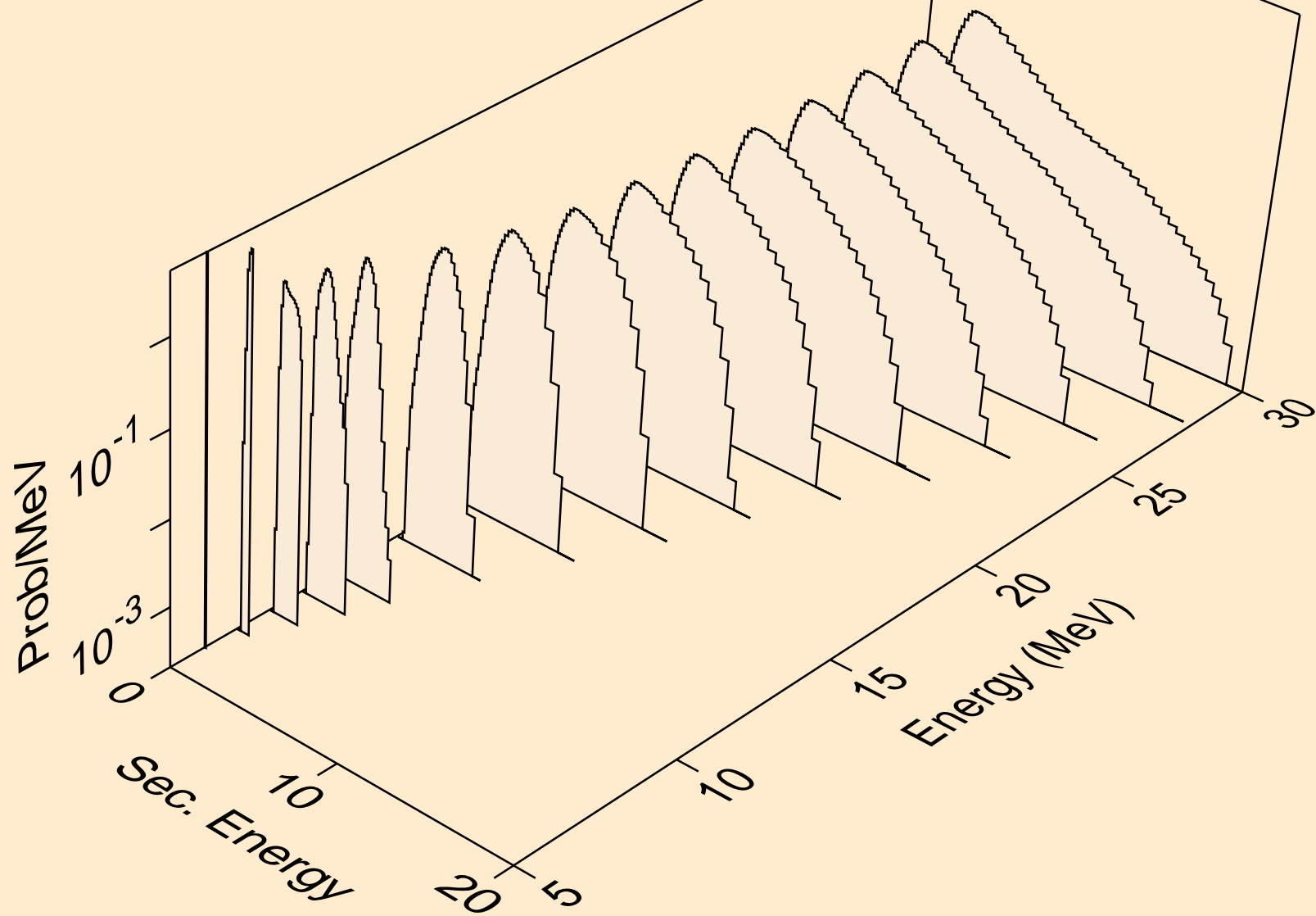
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,2p)



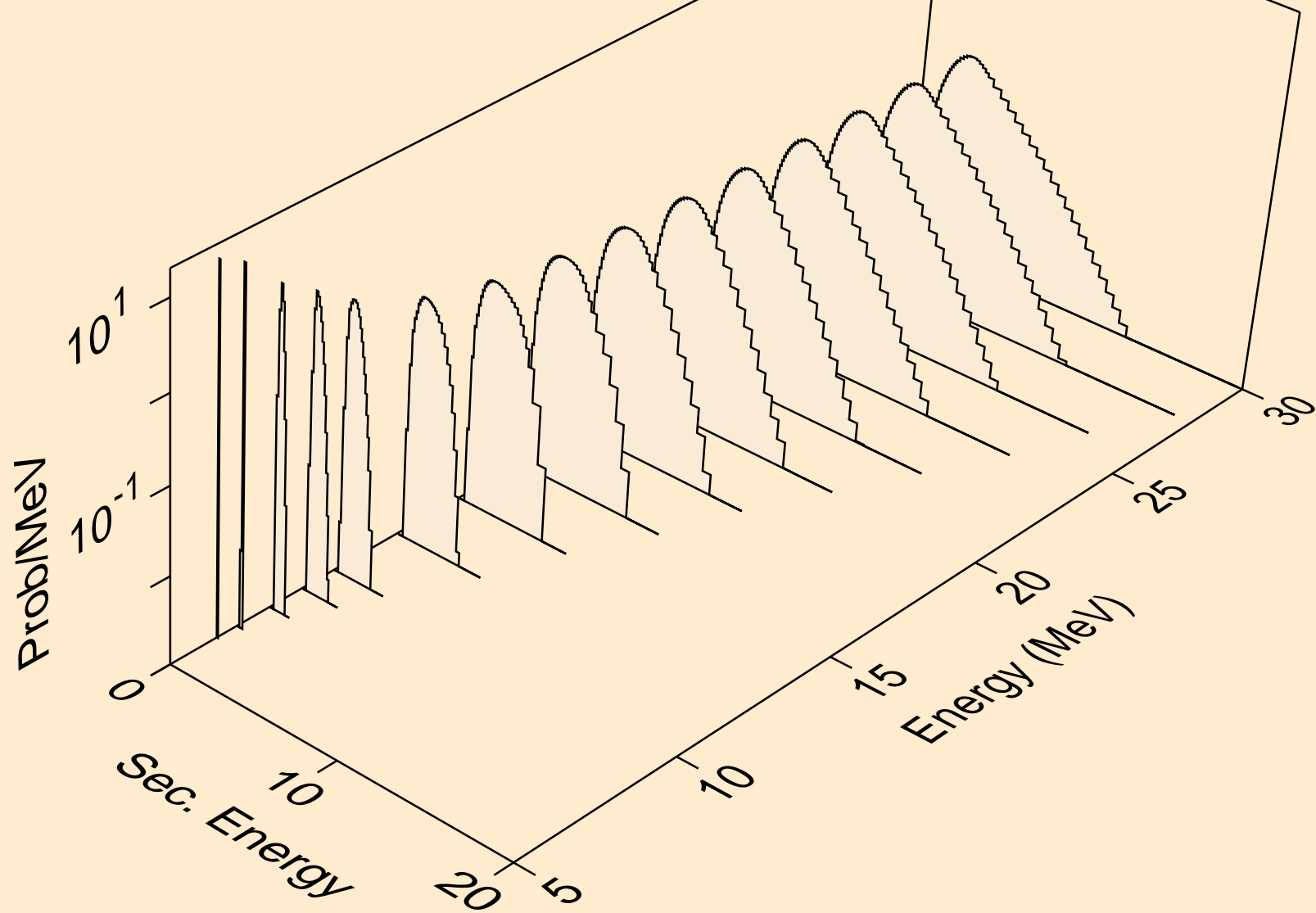
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pa)



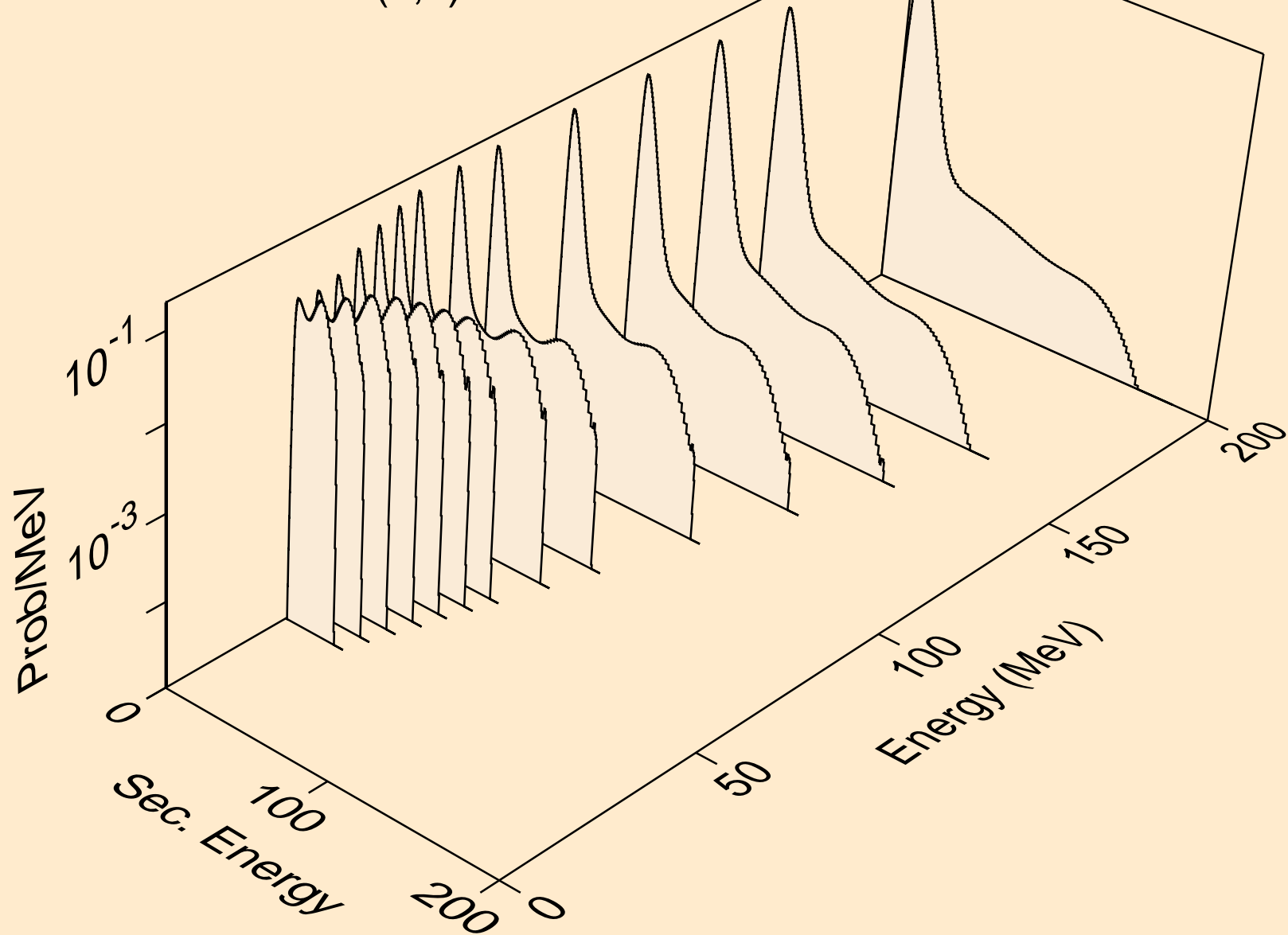
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pd)



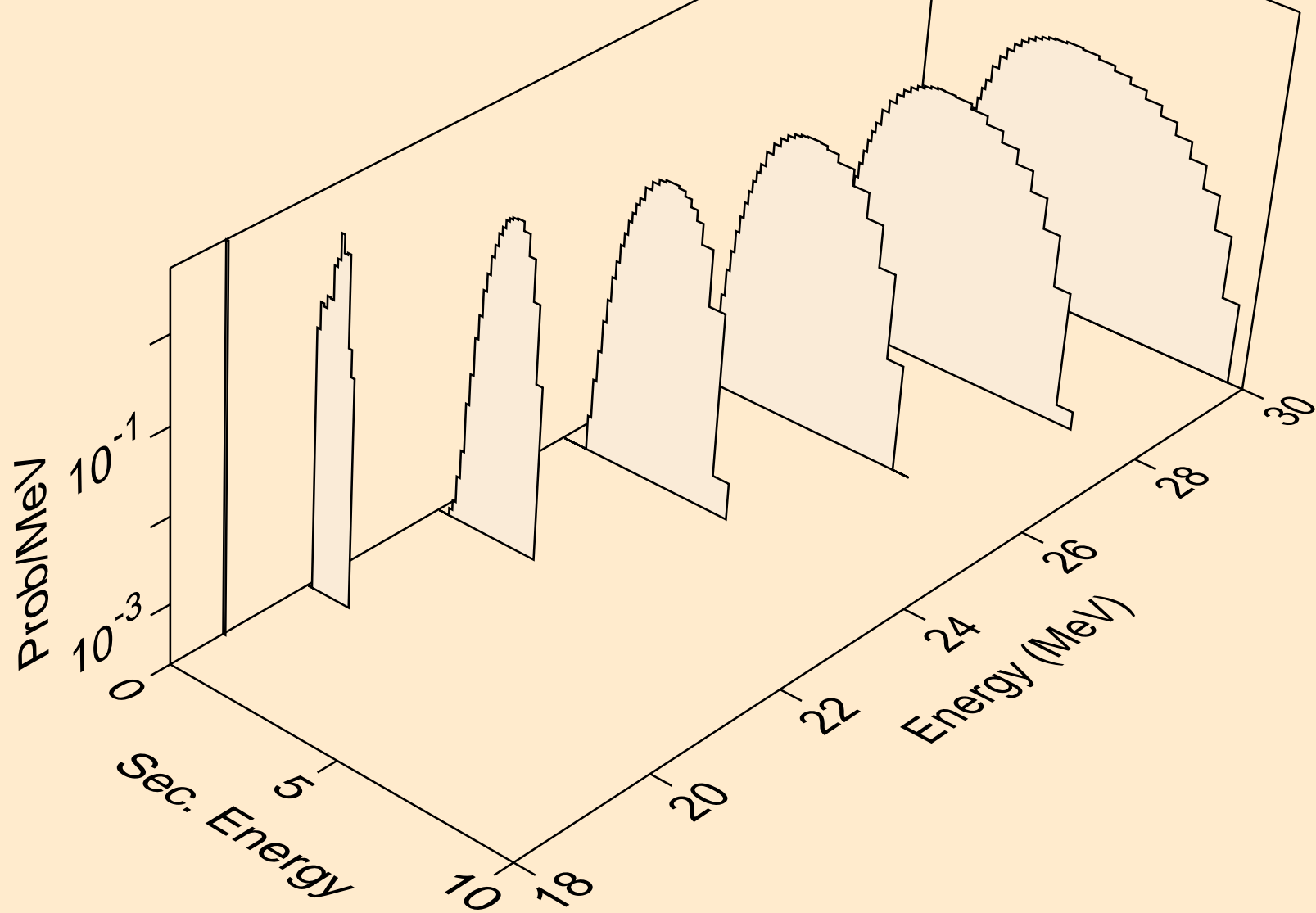
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pt)



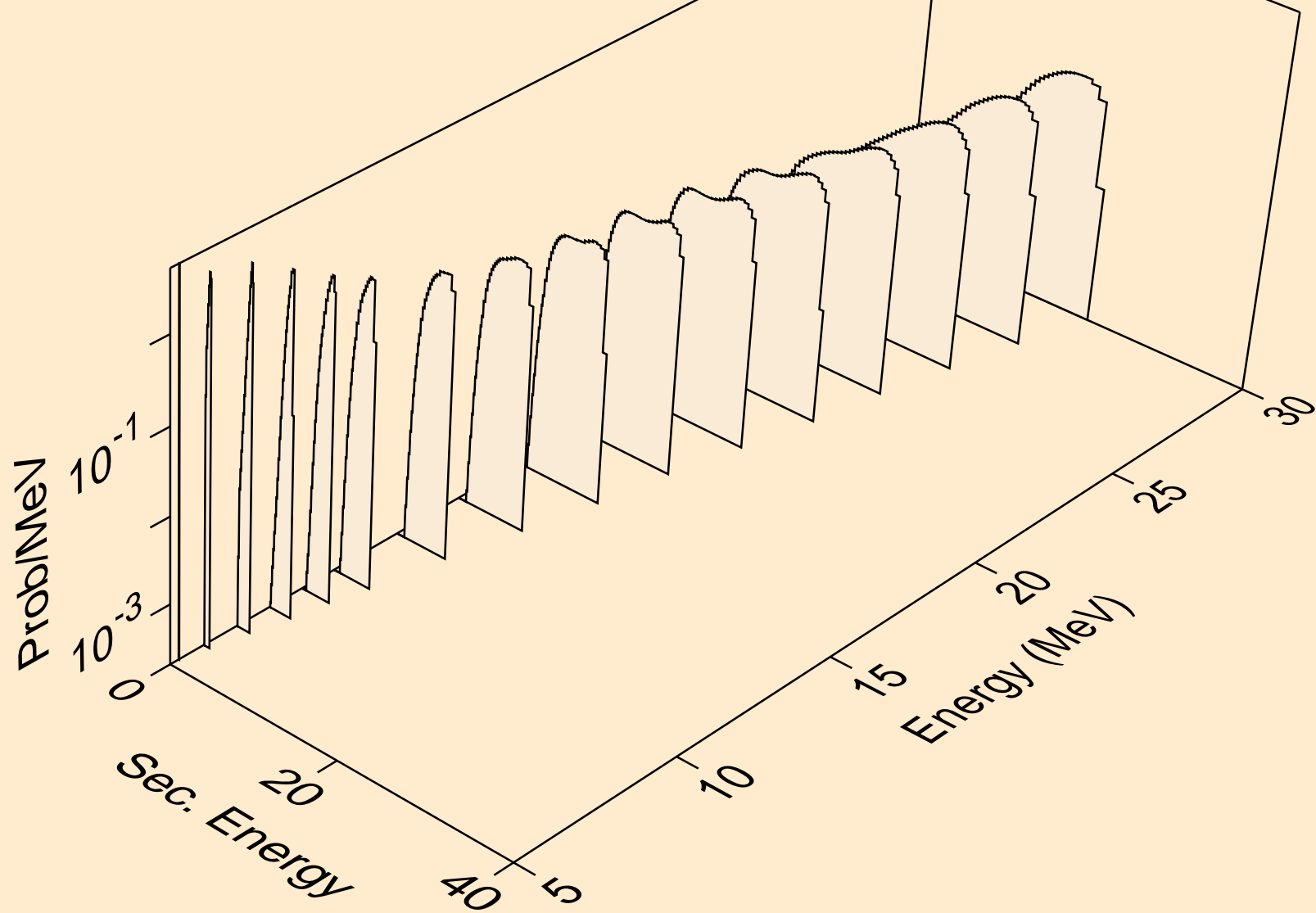
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,x)



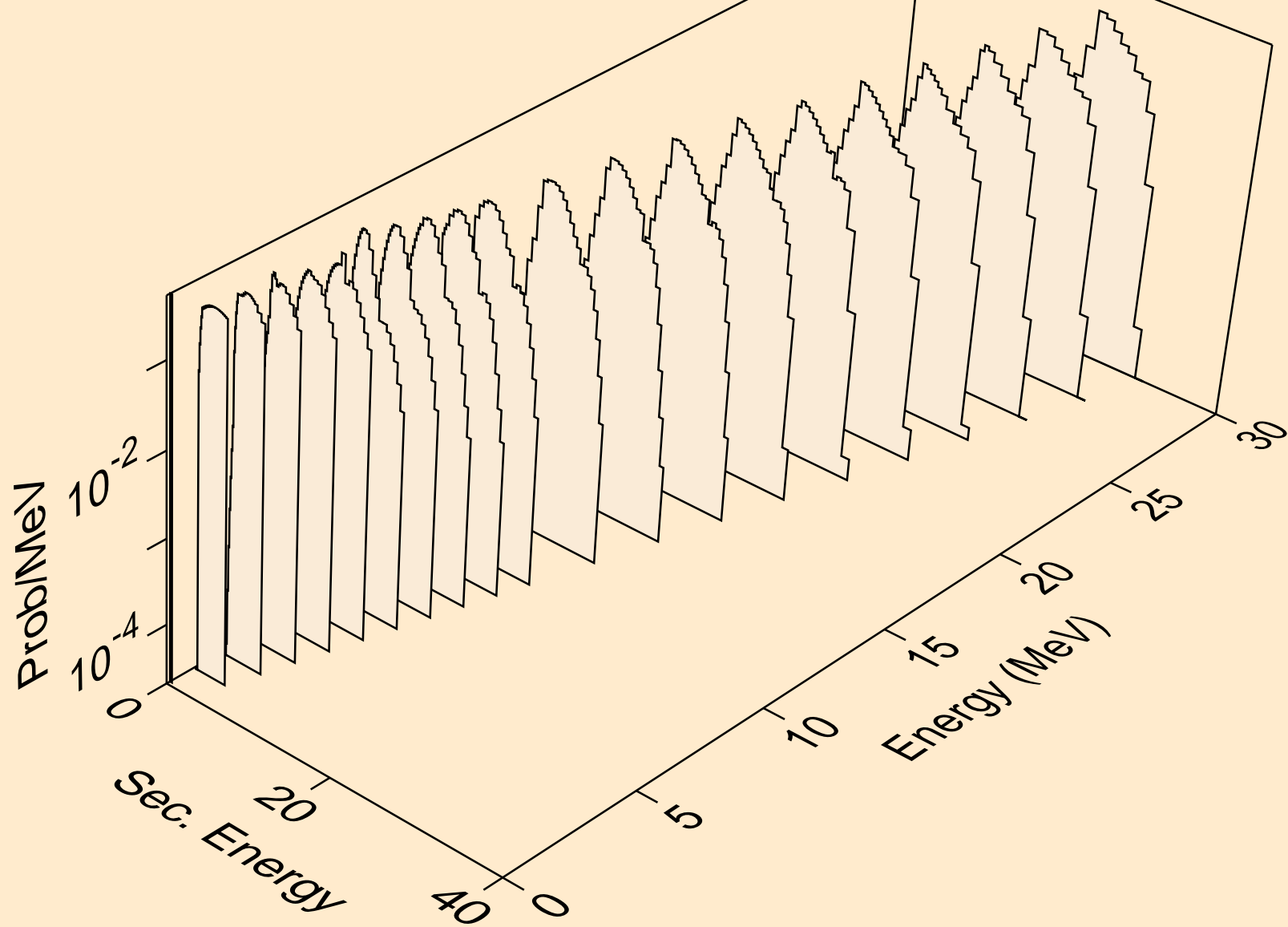
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,2nd)



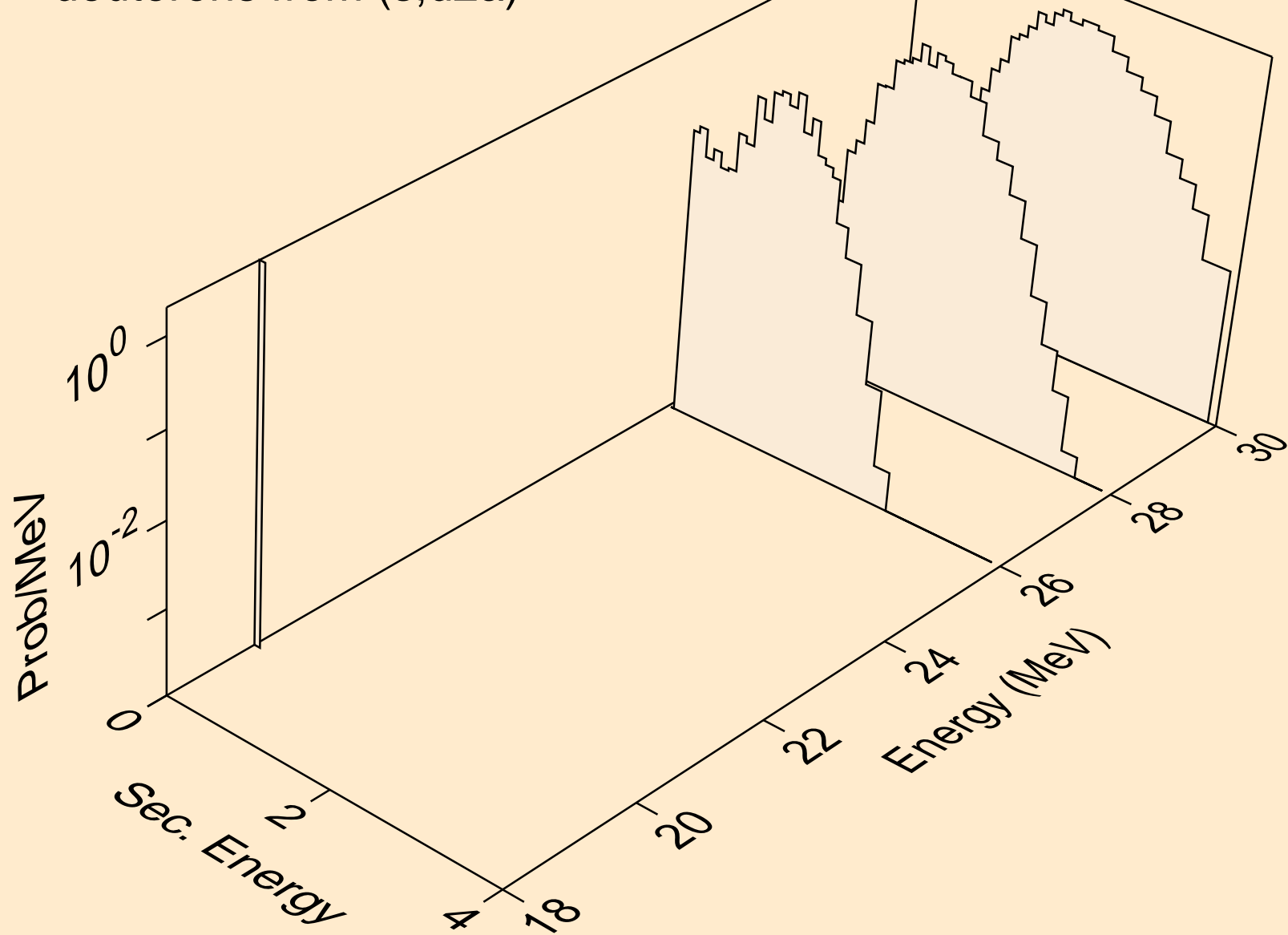
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,n\*)d



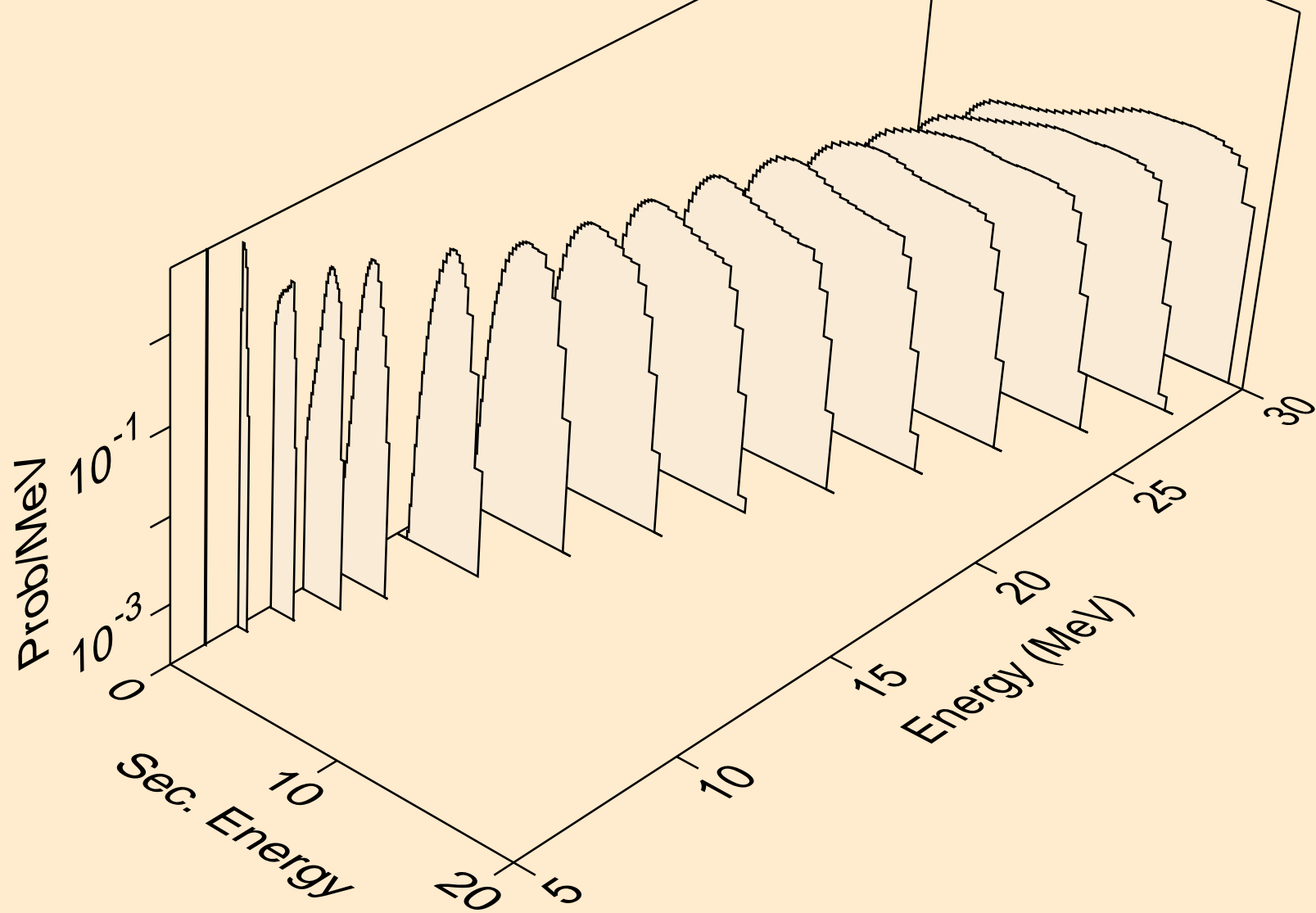
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,d)



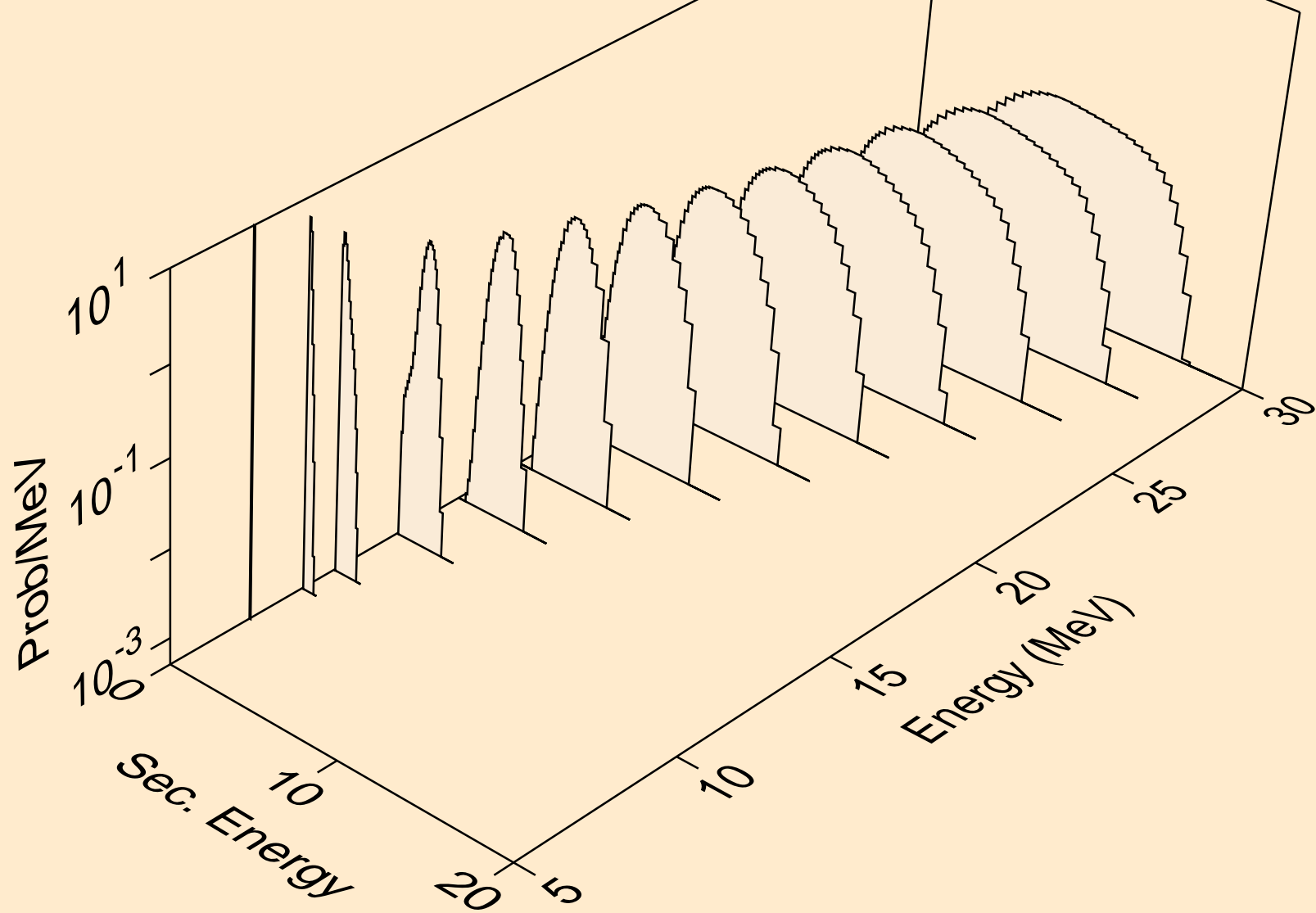
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,d2a)



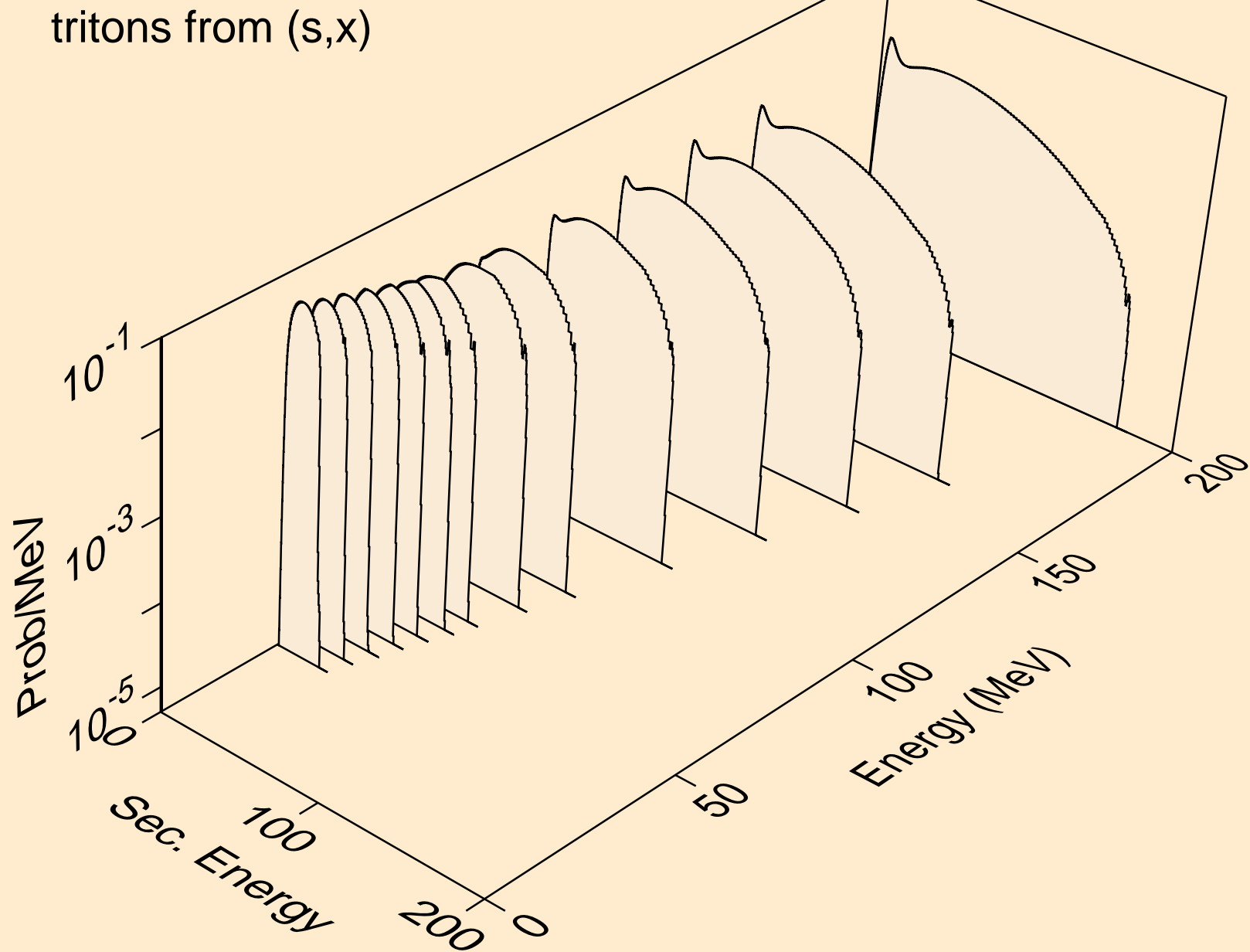
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,pd)



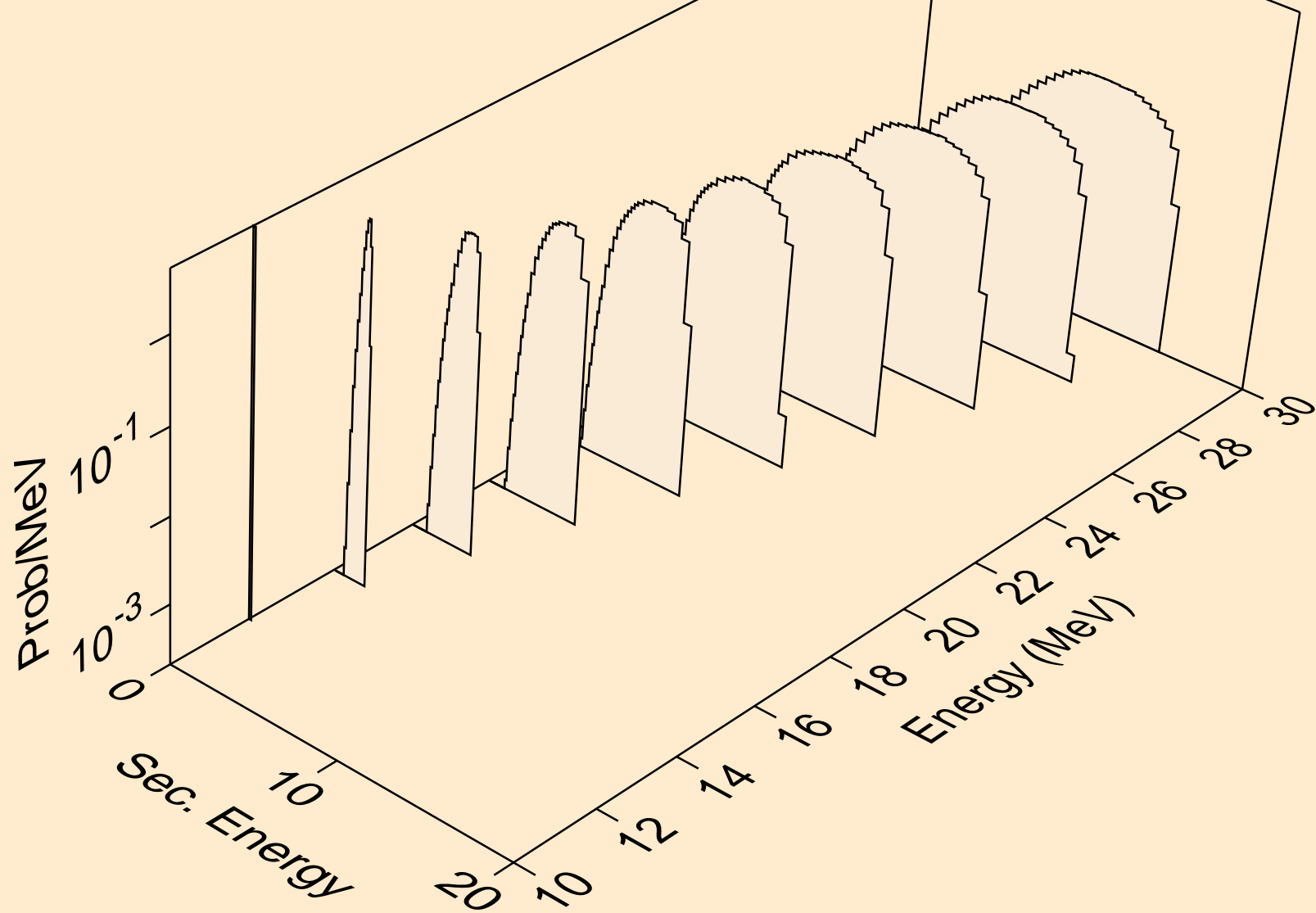
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,da)



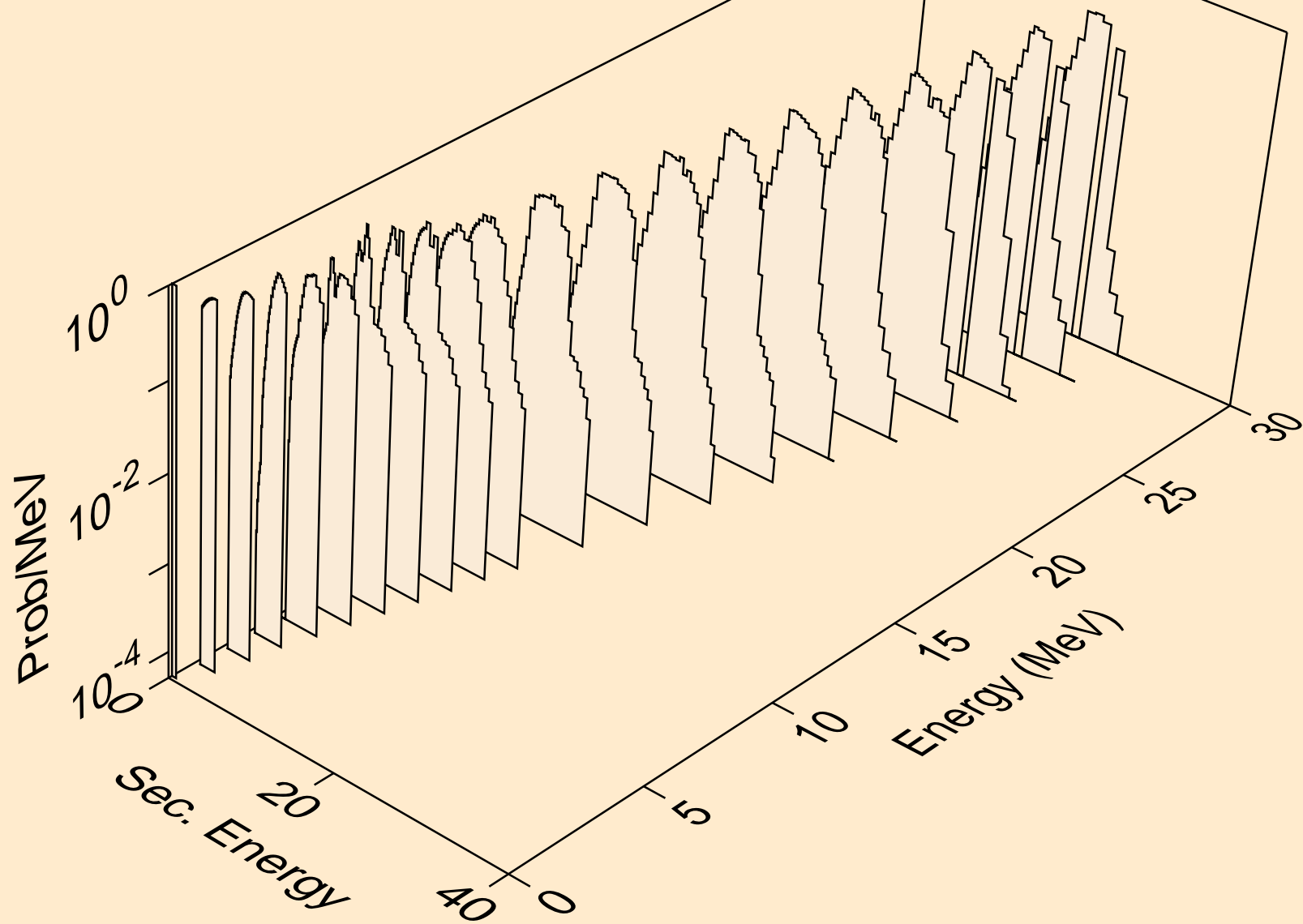
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,x)



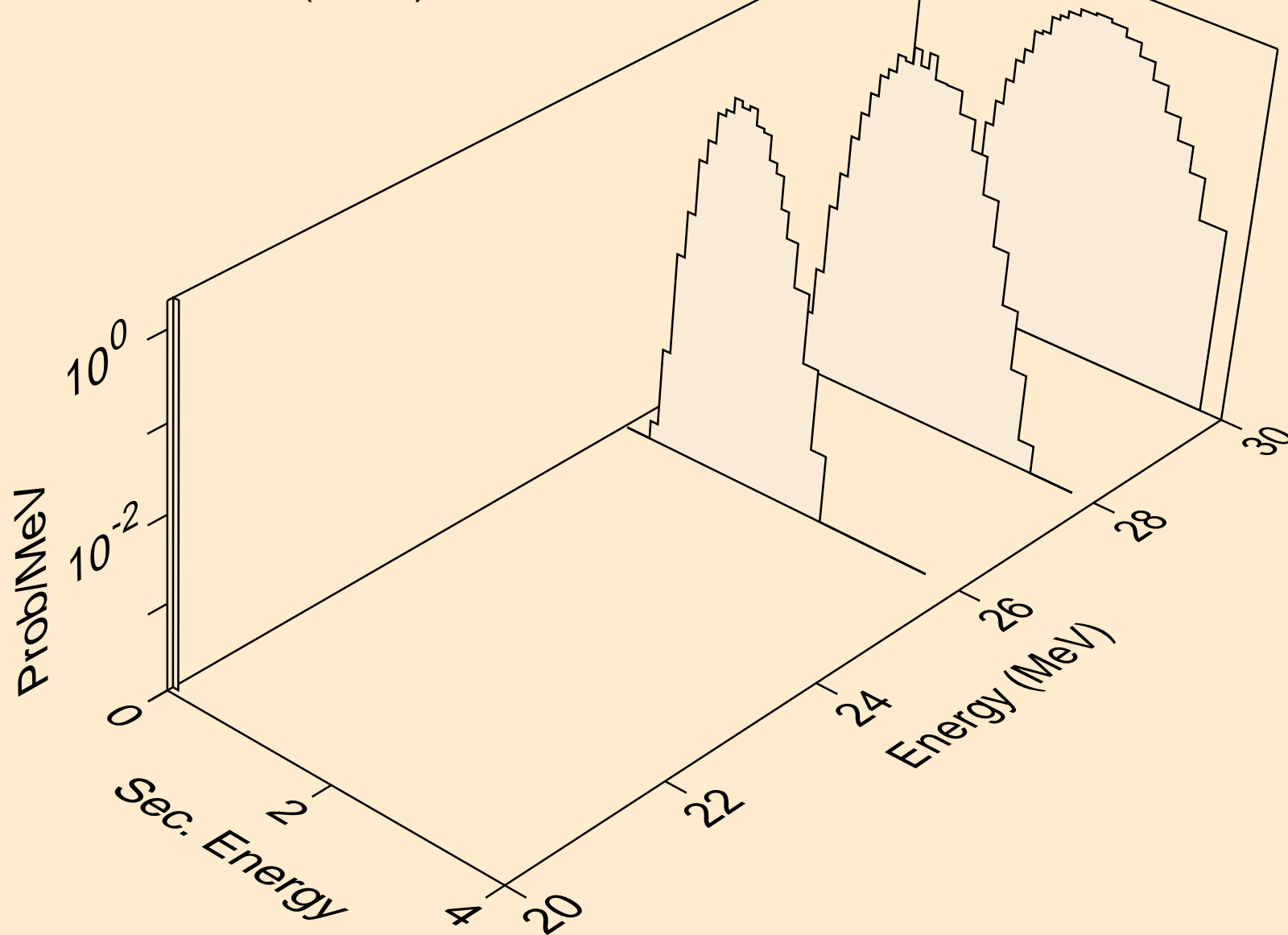
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,n\*)t



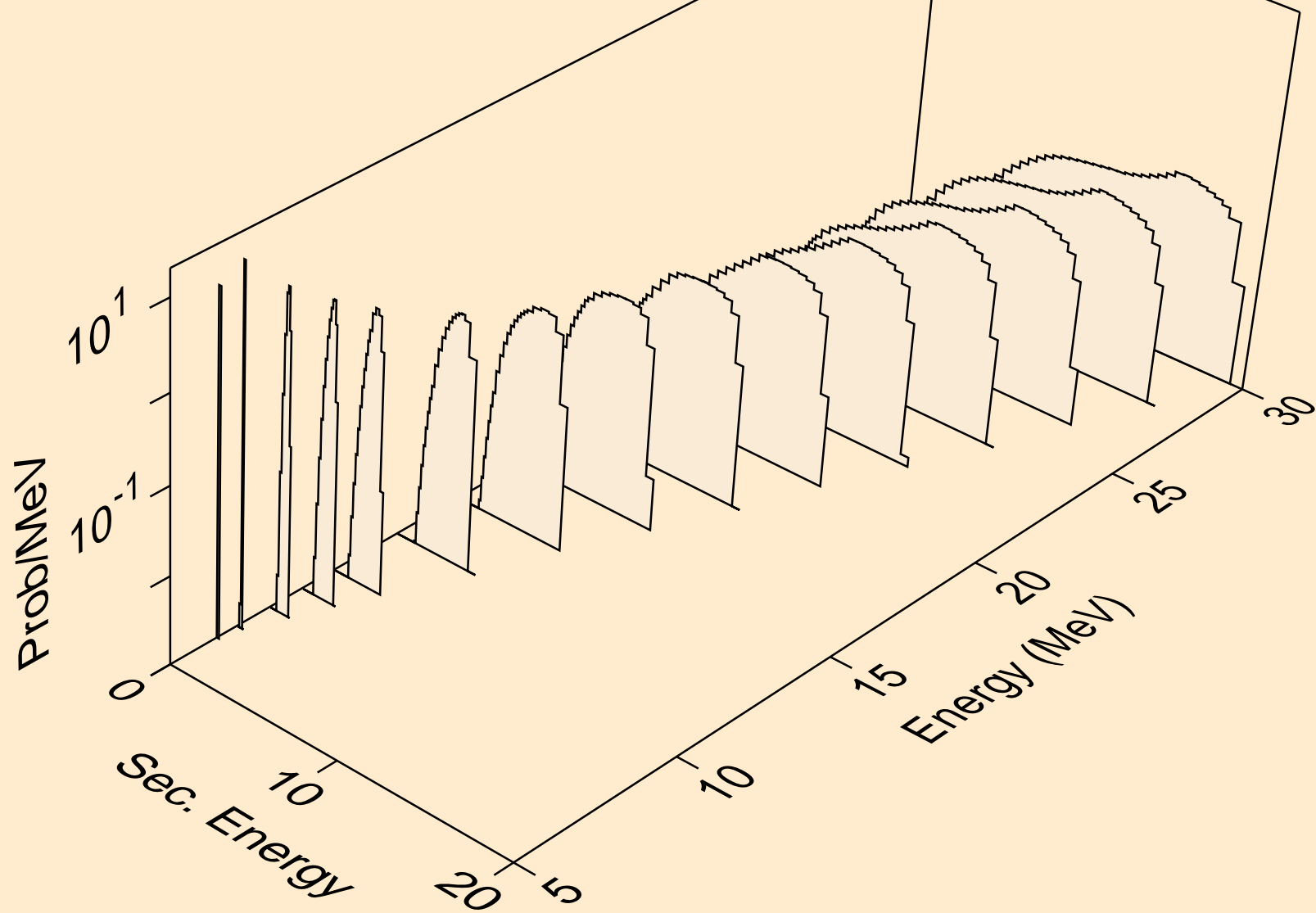
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,t)



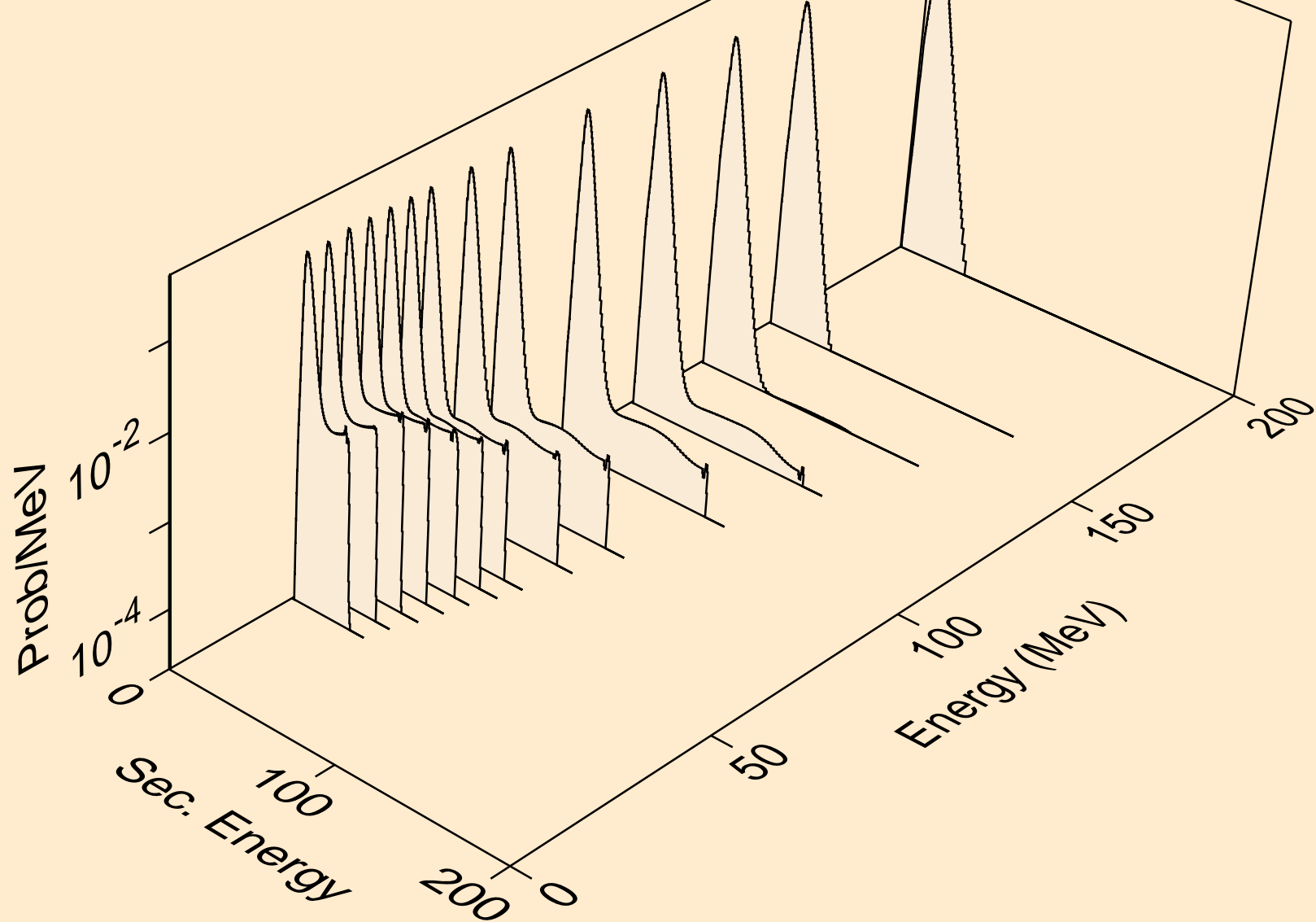
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,t2a)



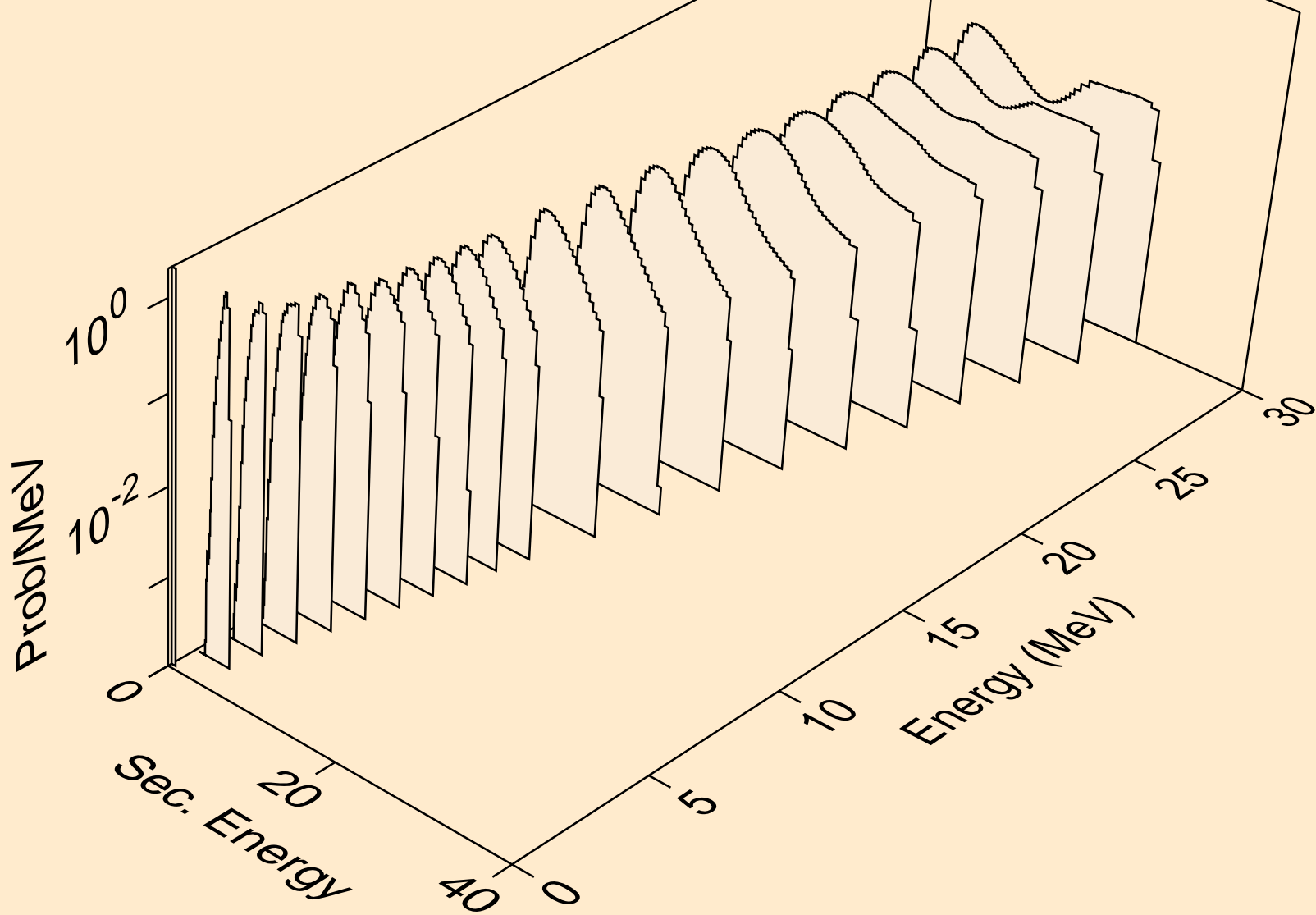
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,pt)



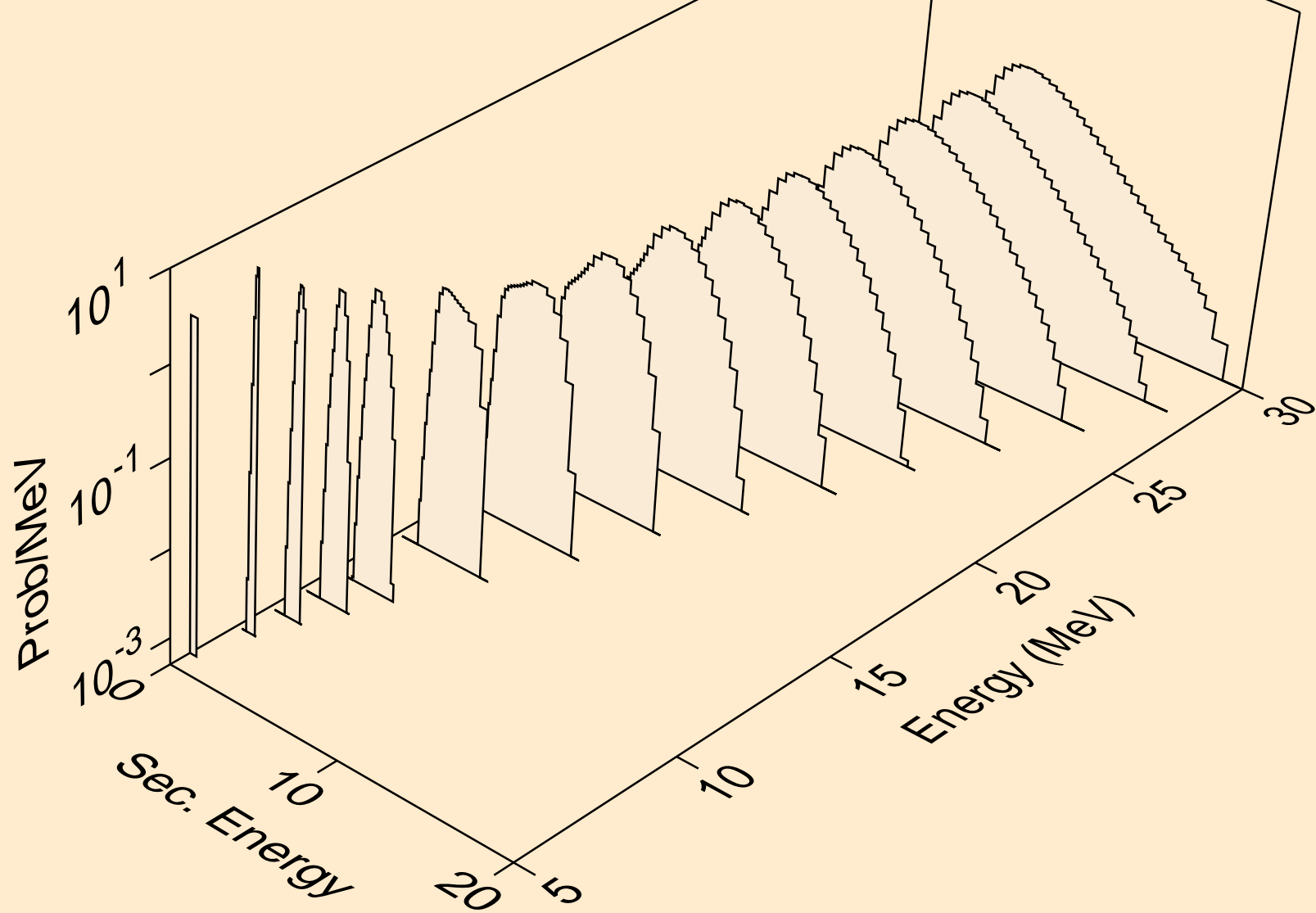
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,x)



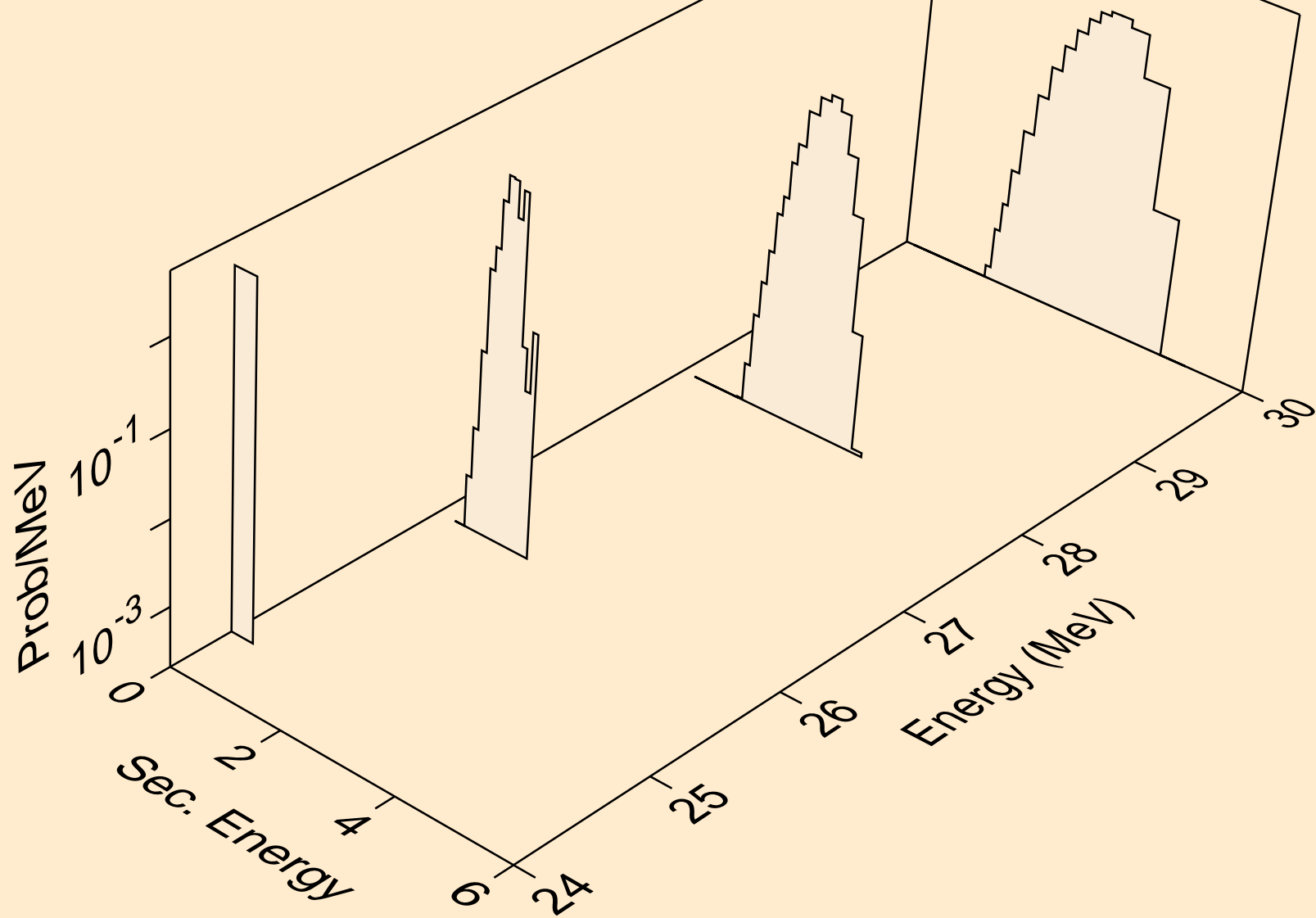
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)a



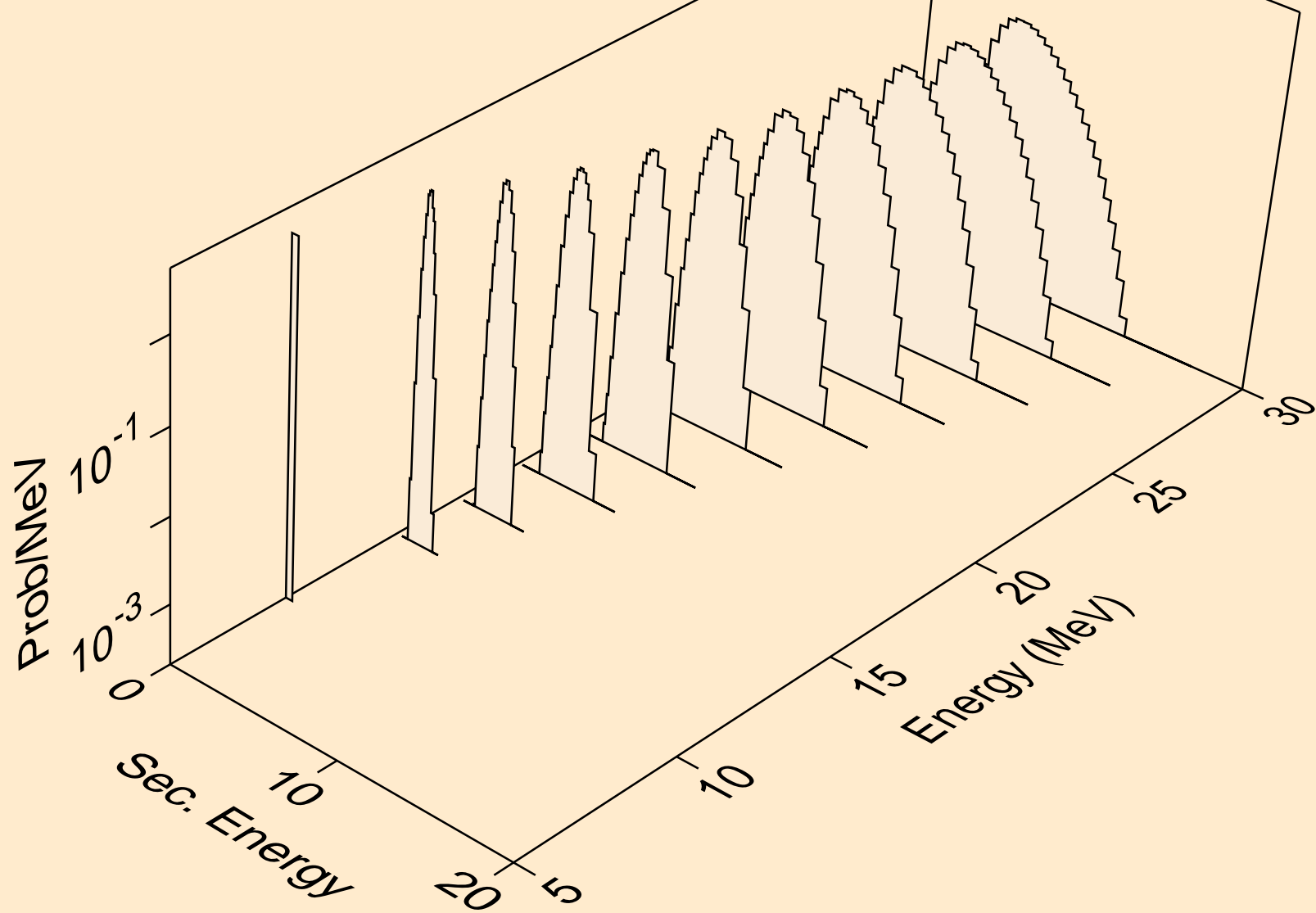
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2n)a



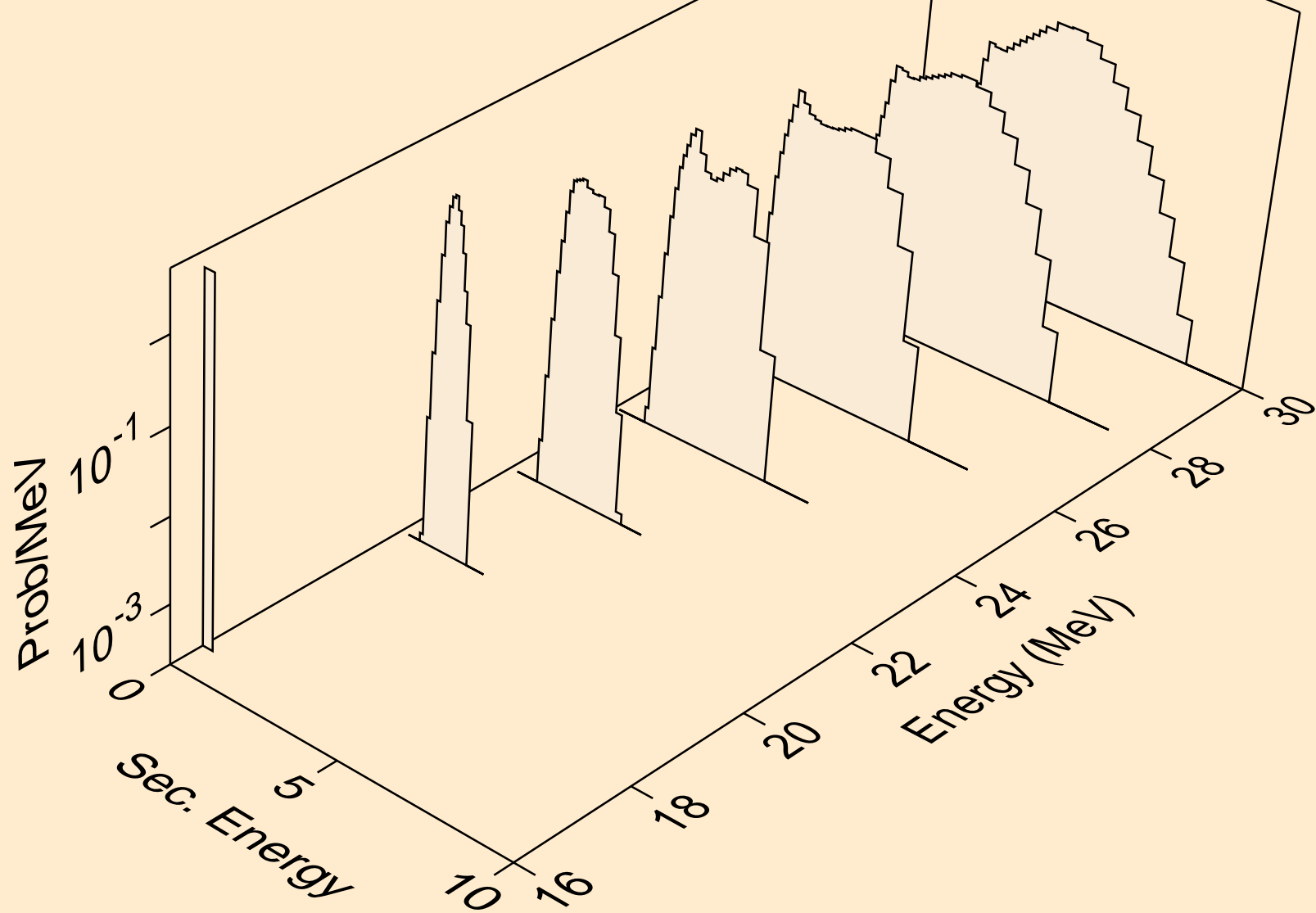
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,3n)a



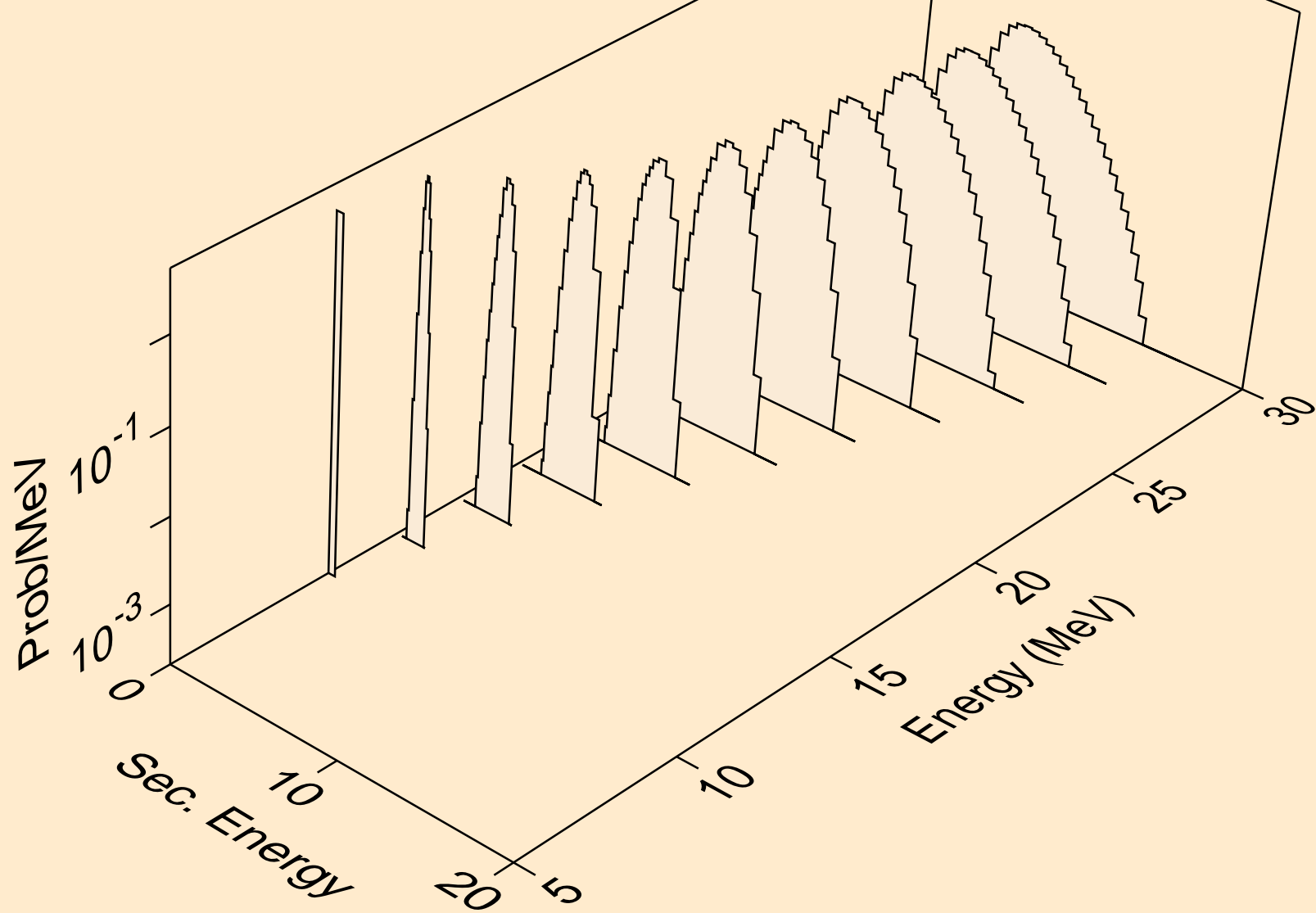
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)2a



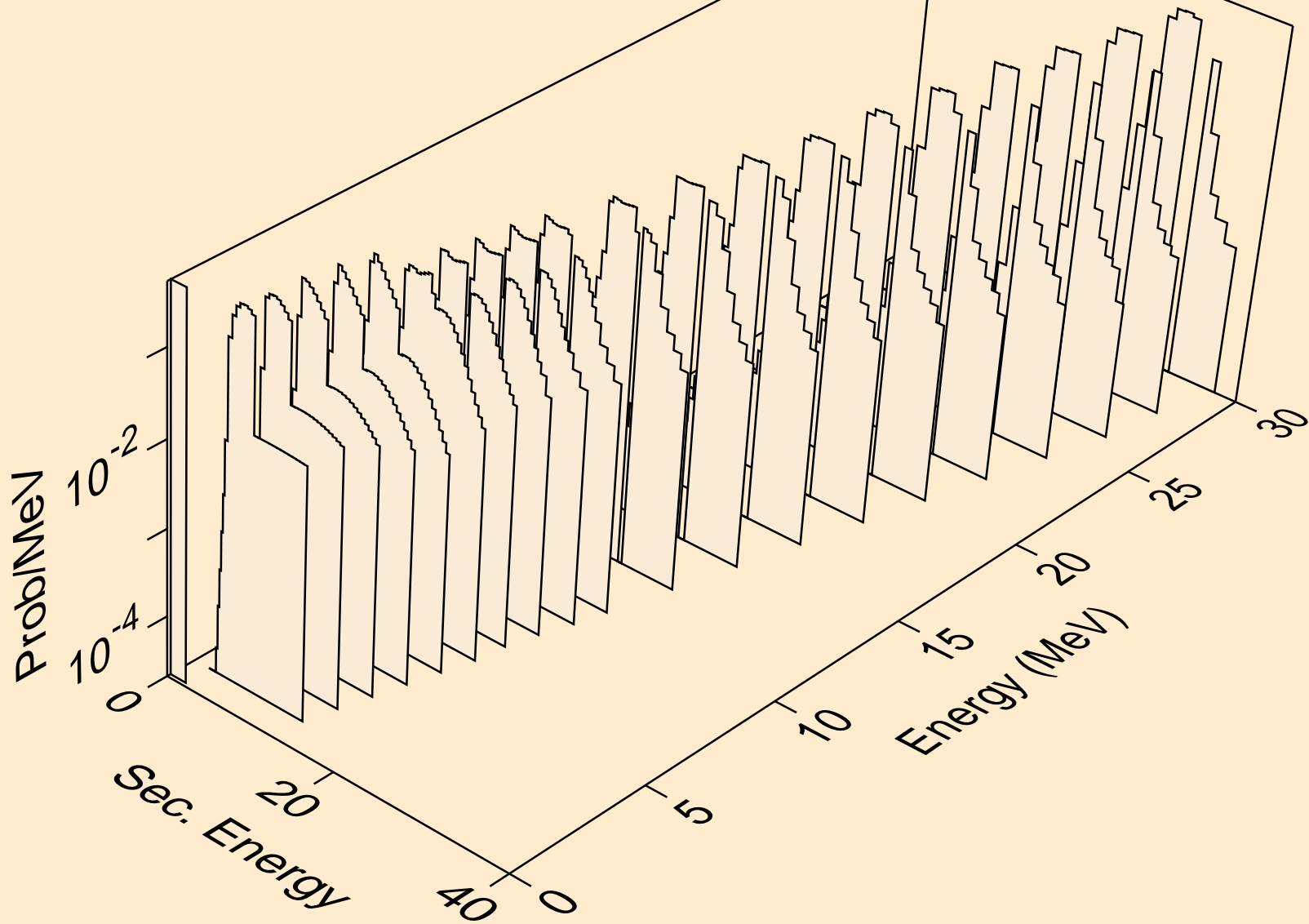
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2n)2a



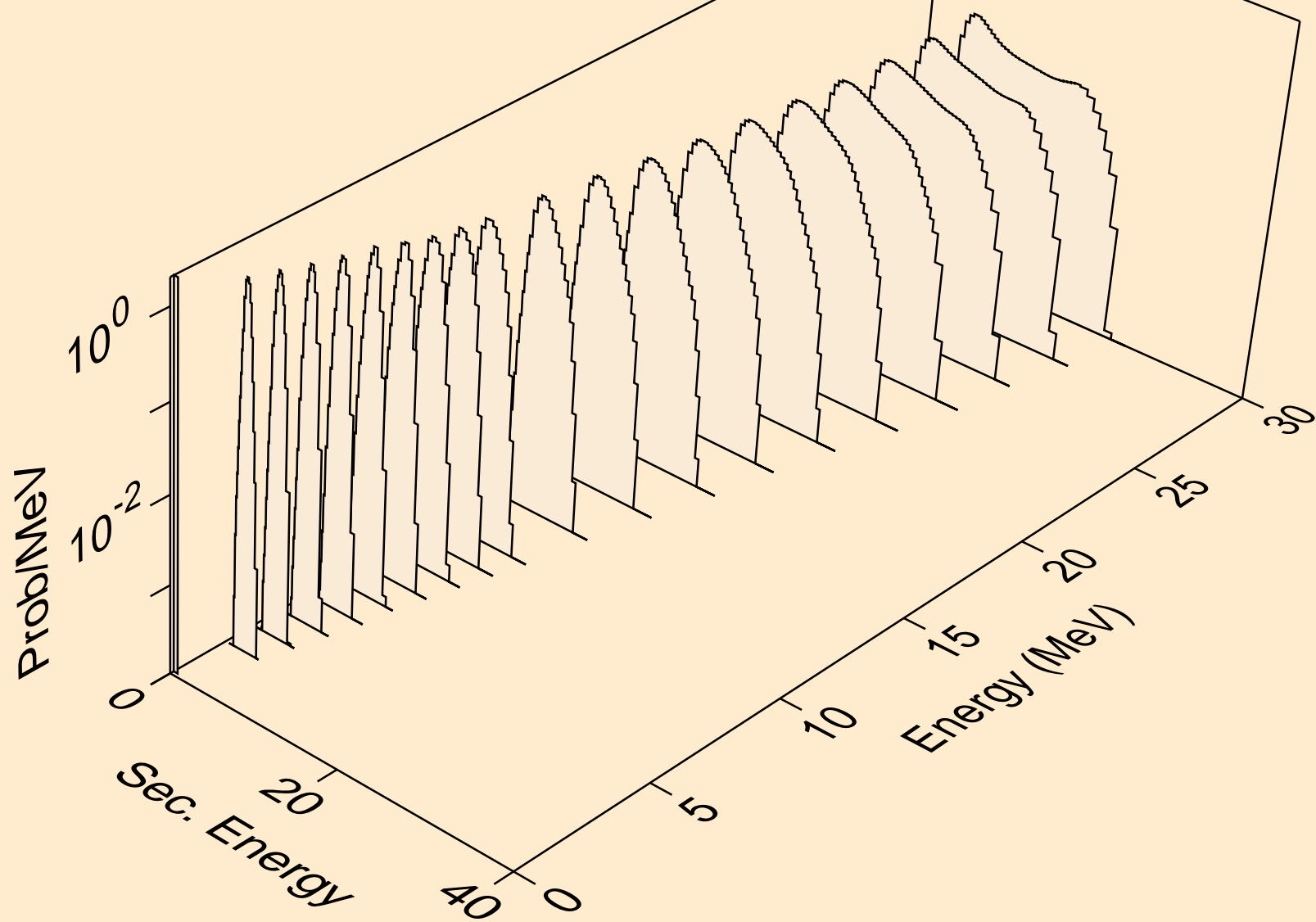
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,npa)



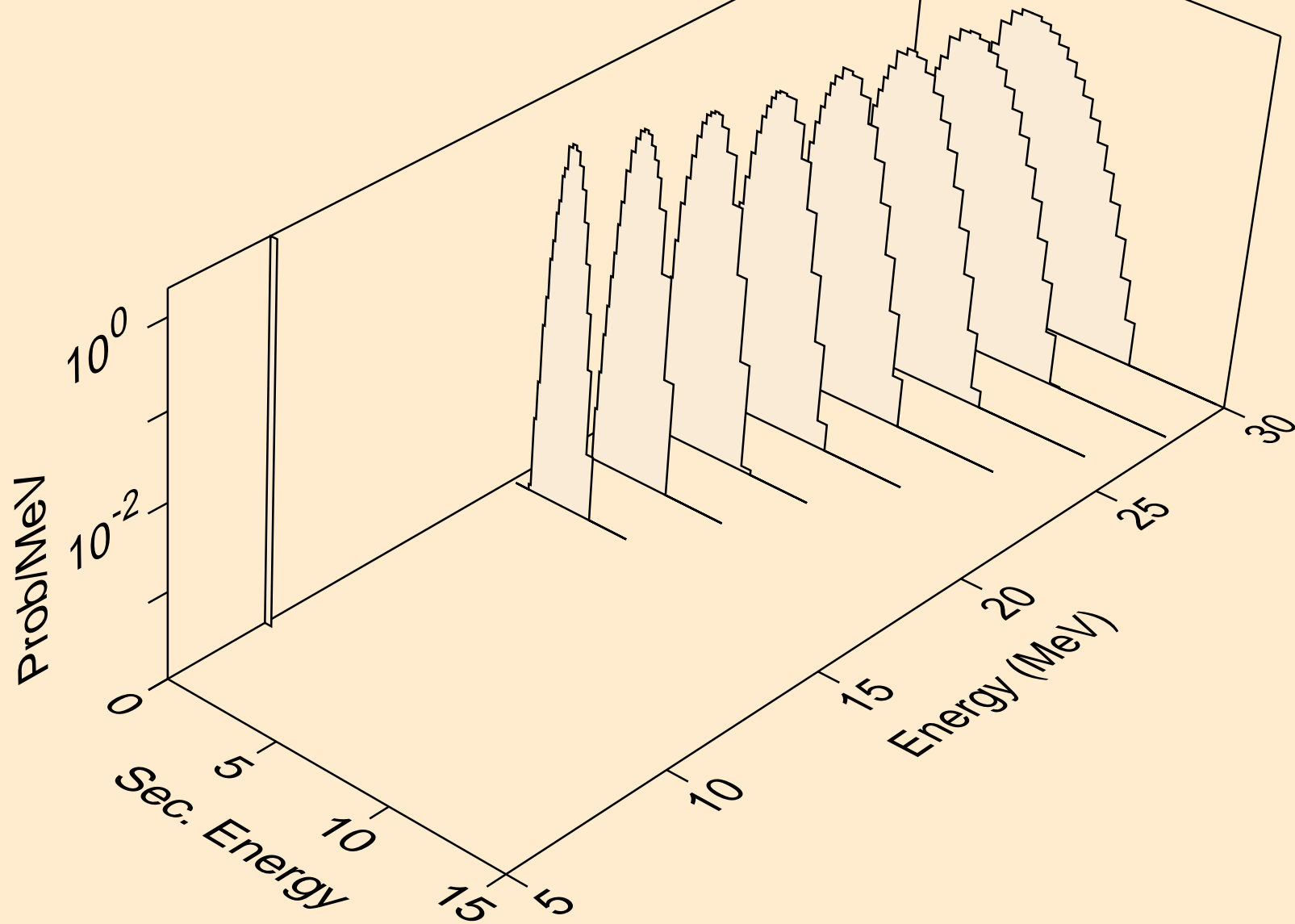
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,a)



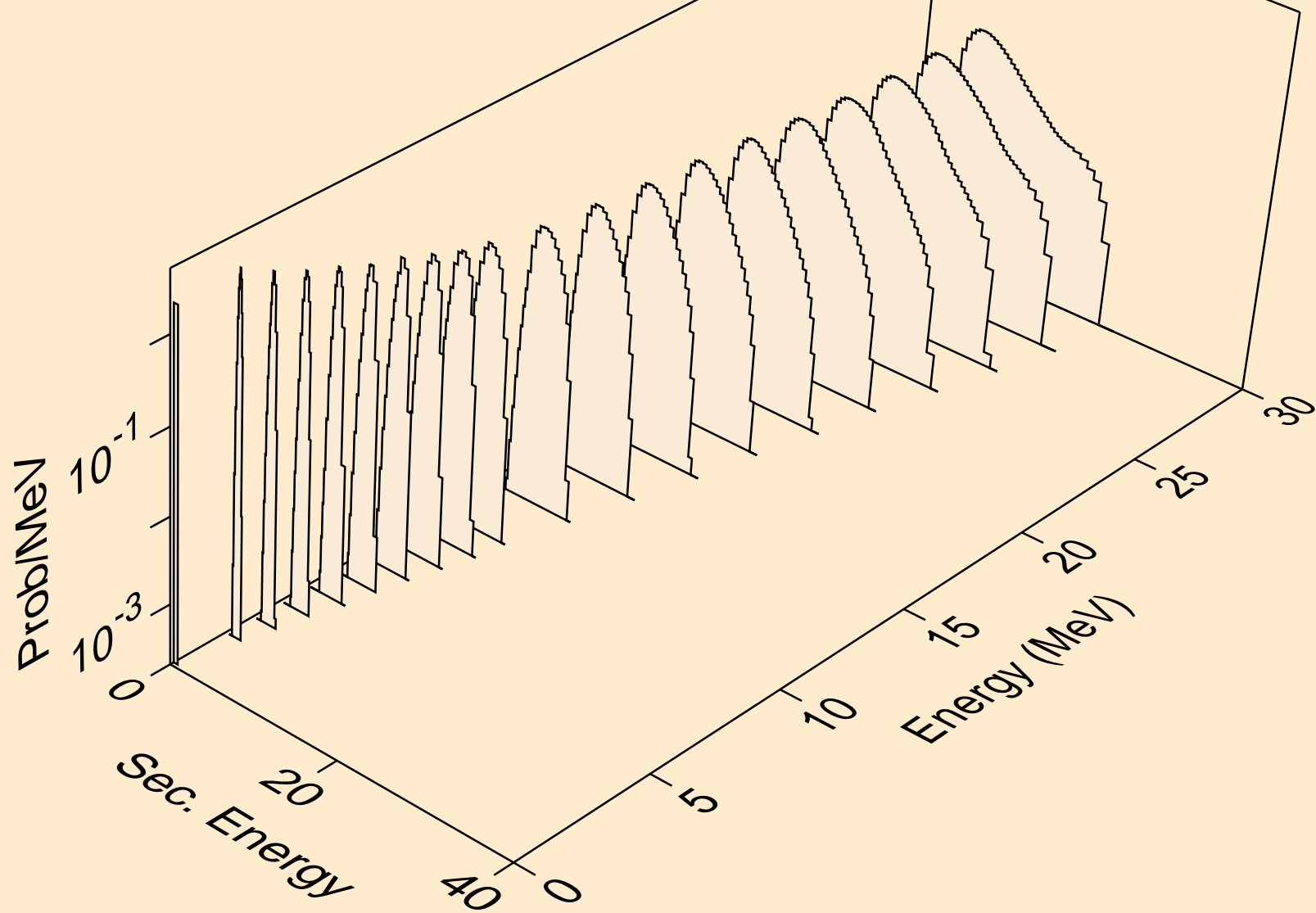
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)



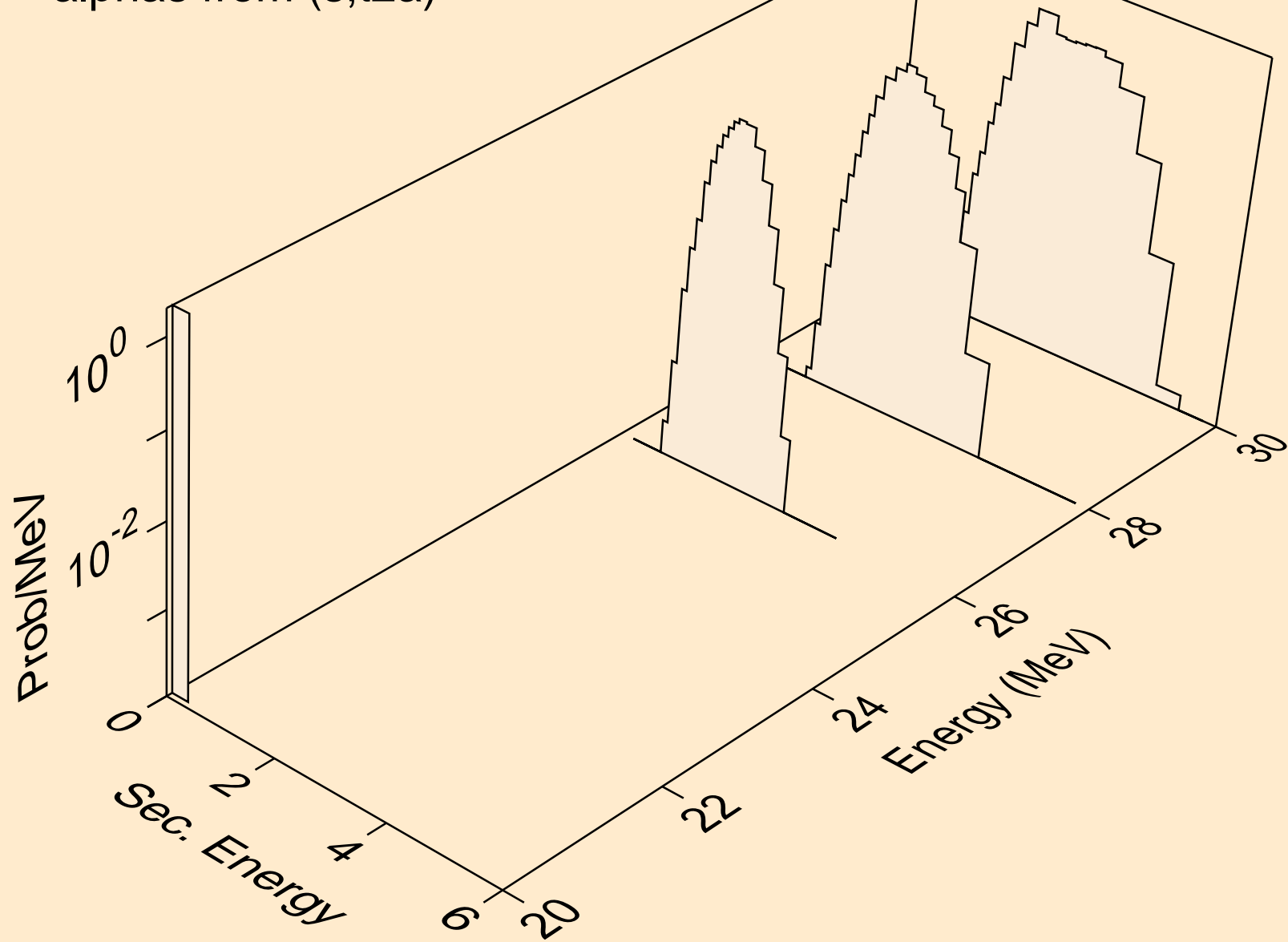
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,3a)



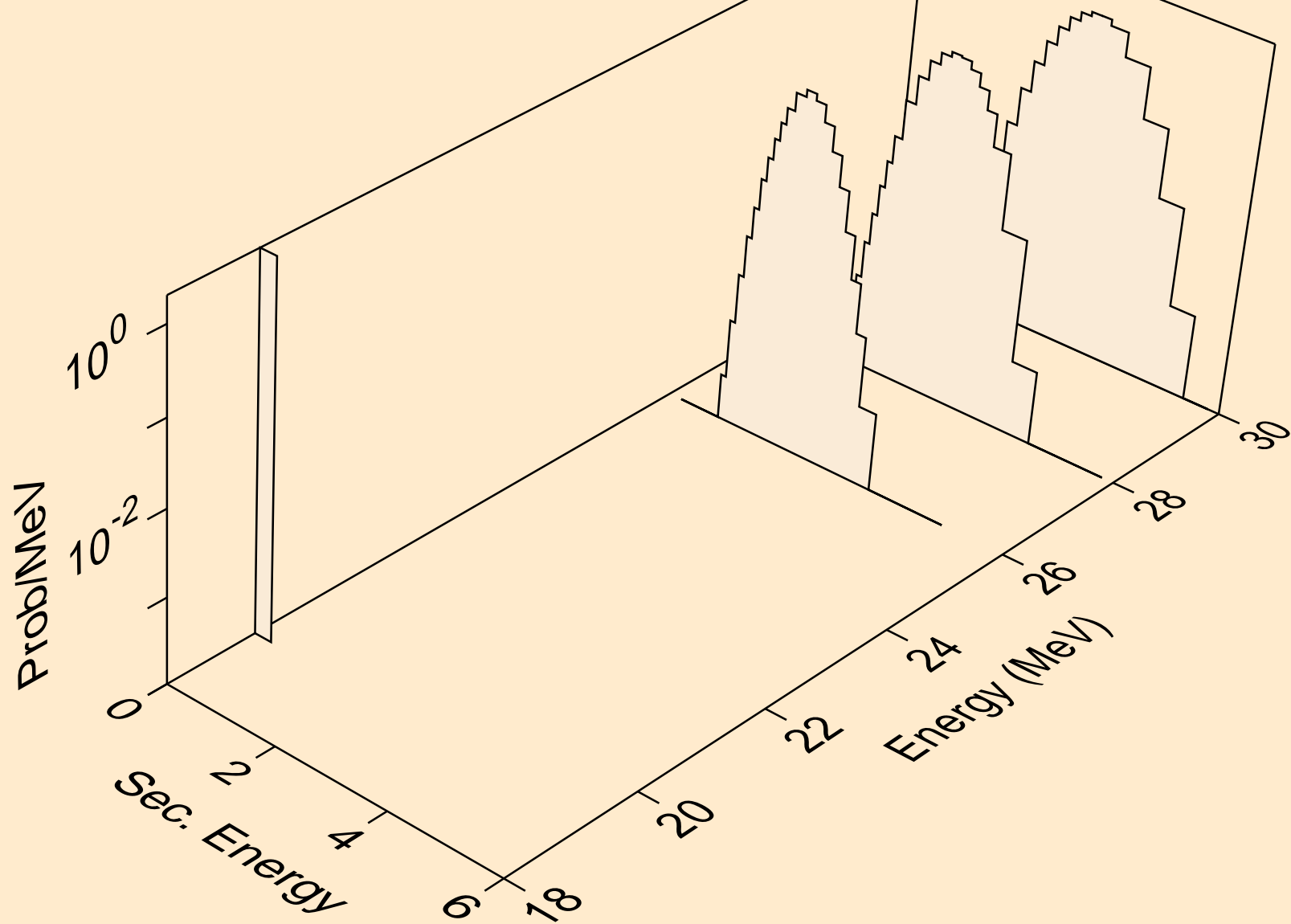
SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,t2a)



SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,d2a)



SI031 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

