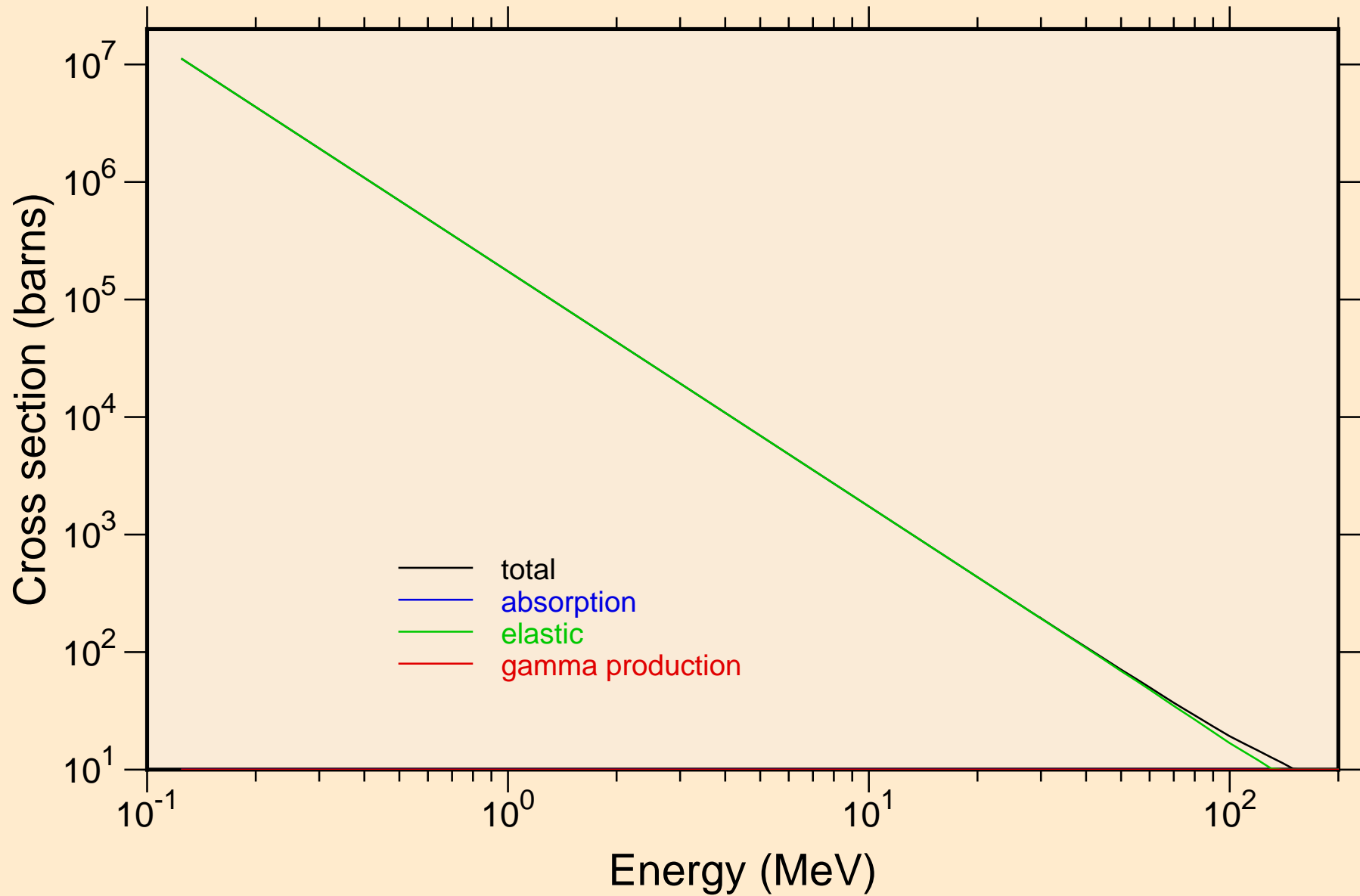
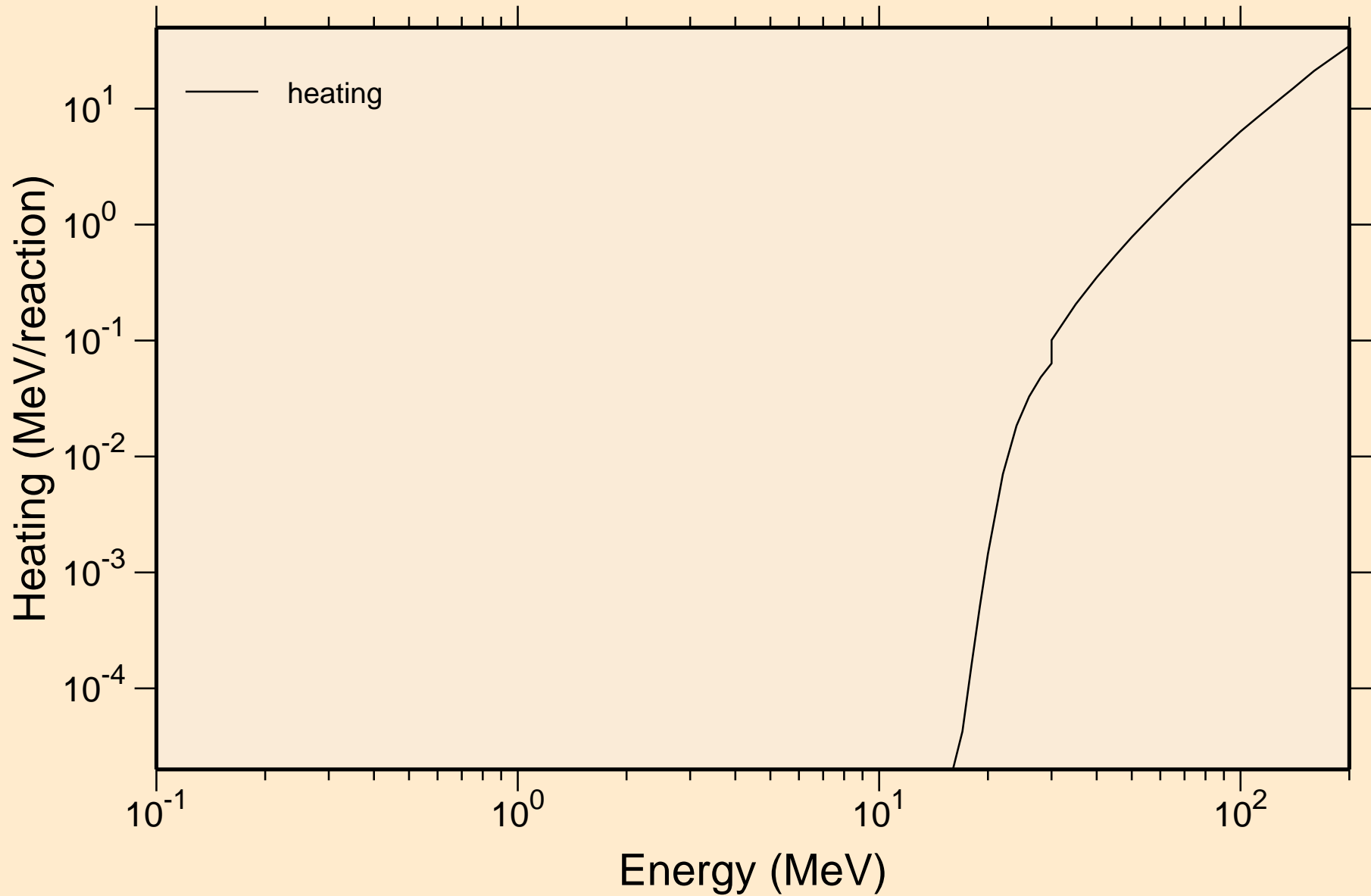


BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Principal cross sections



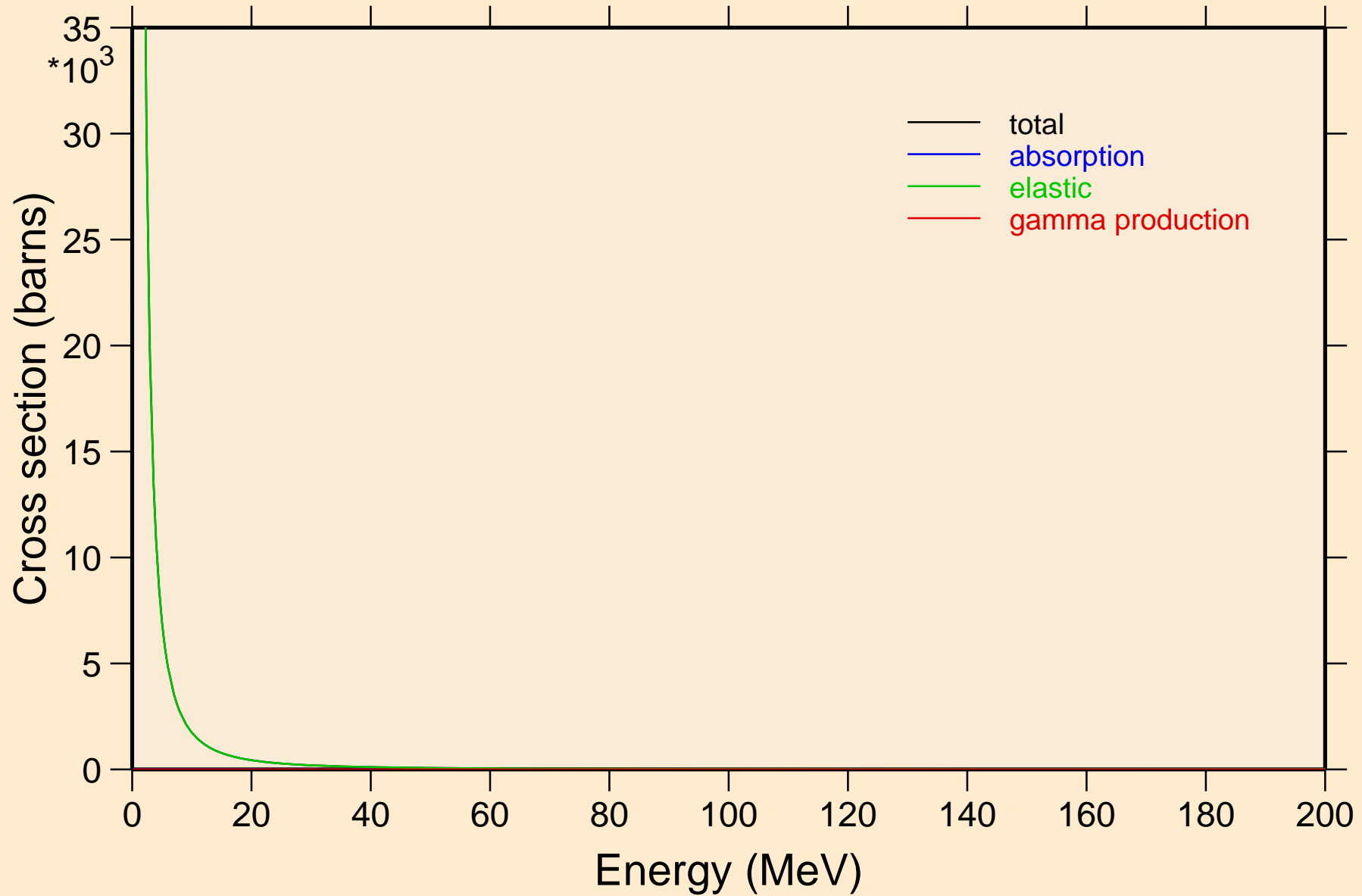
# BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Heating



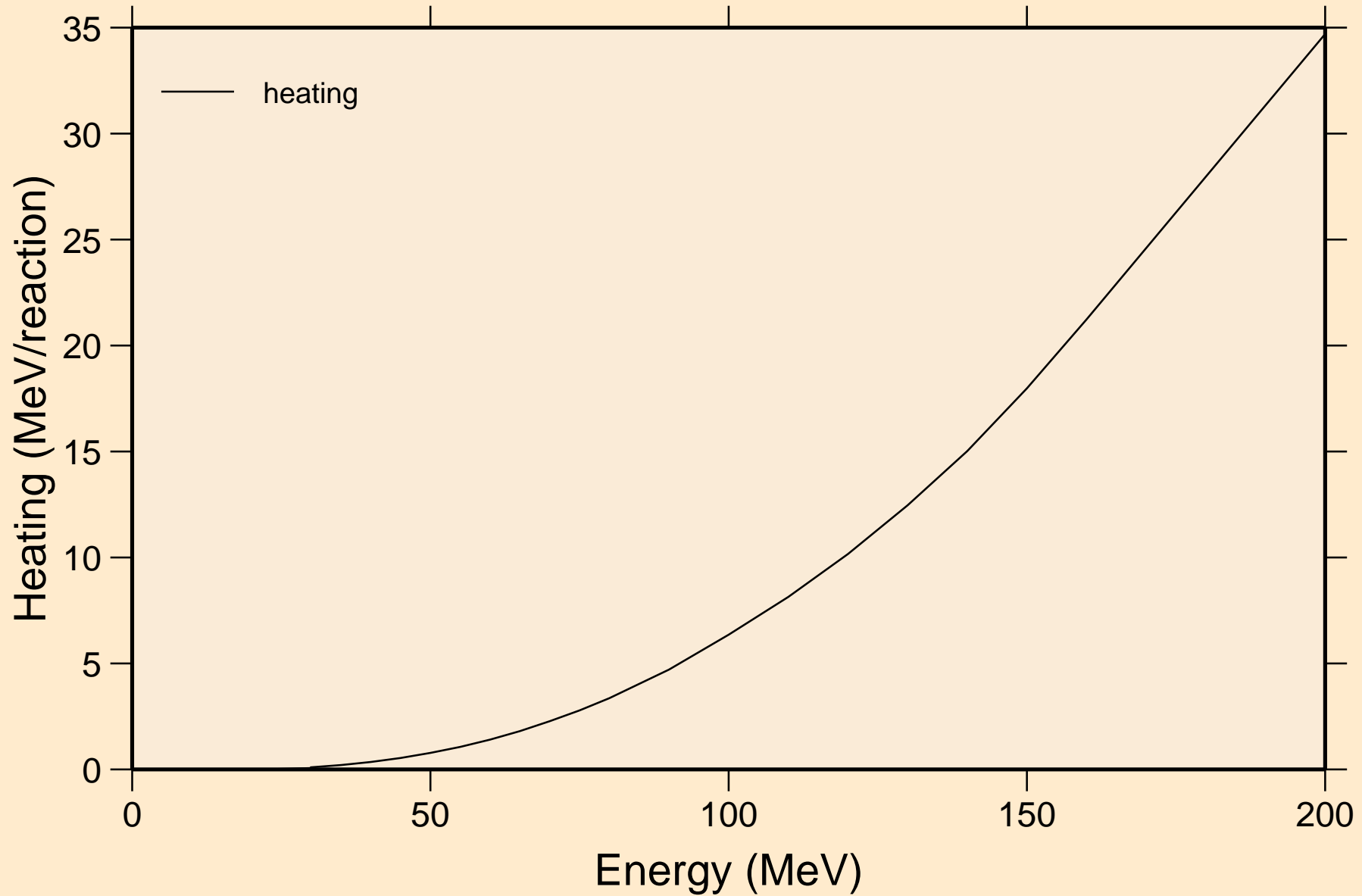
# BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

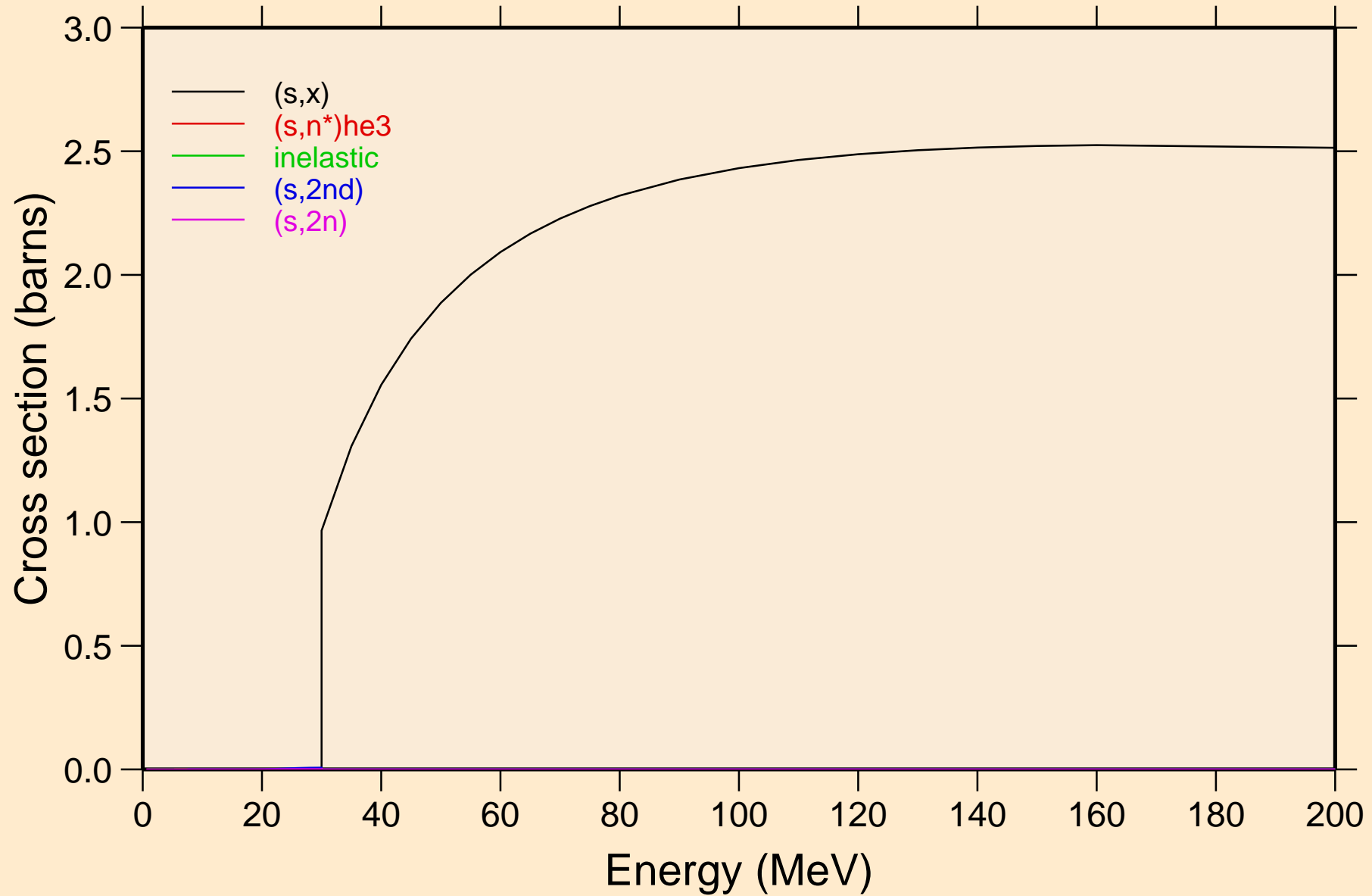


BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K

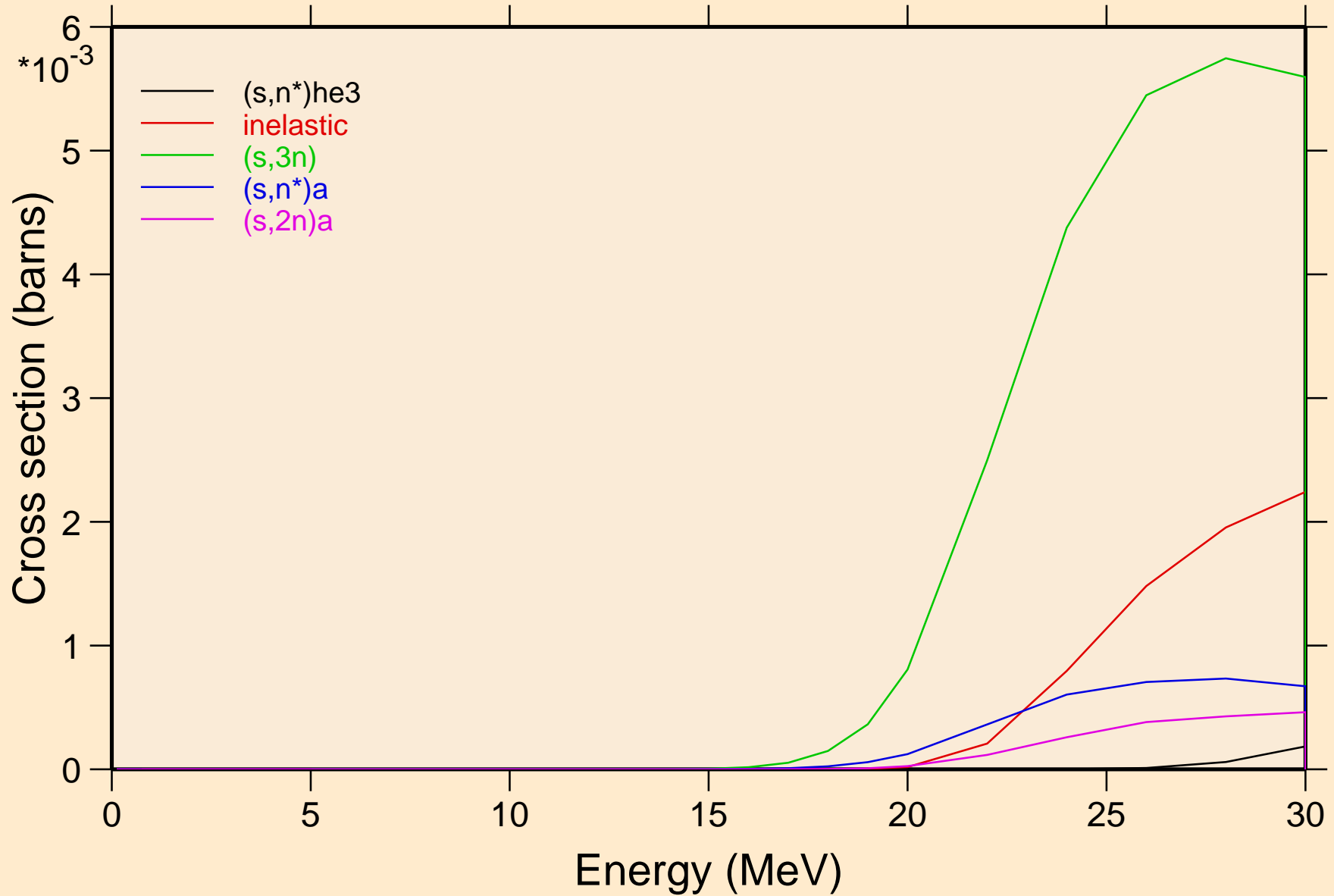
Heating



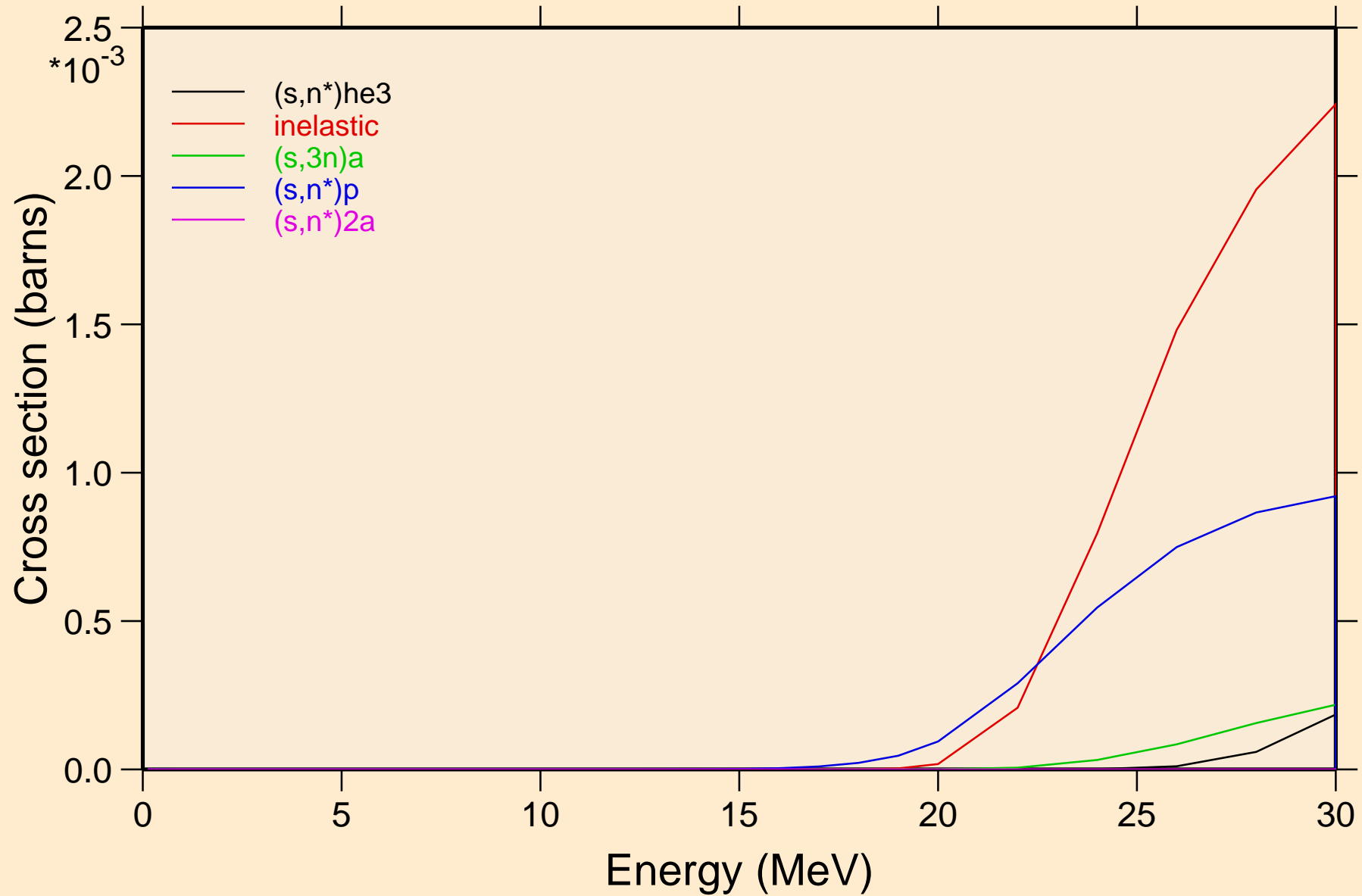
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



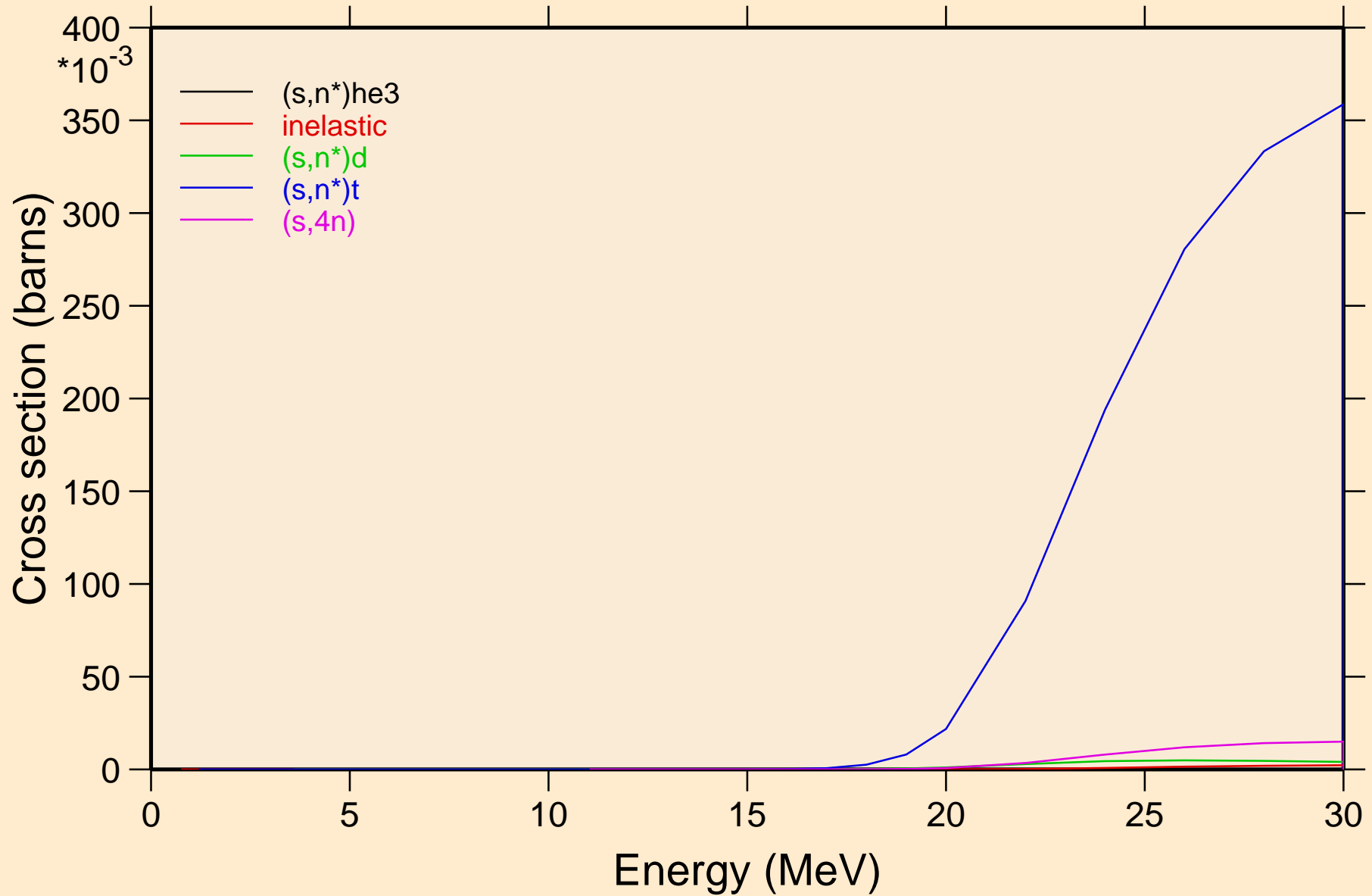
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



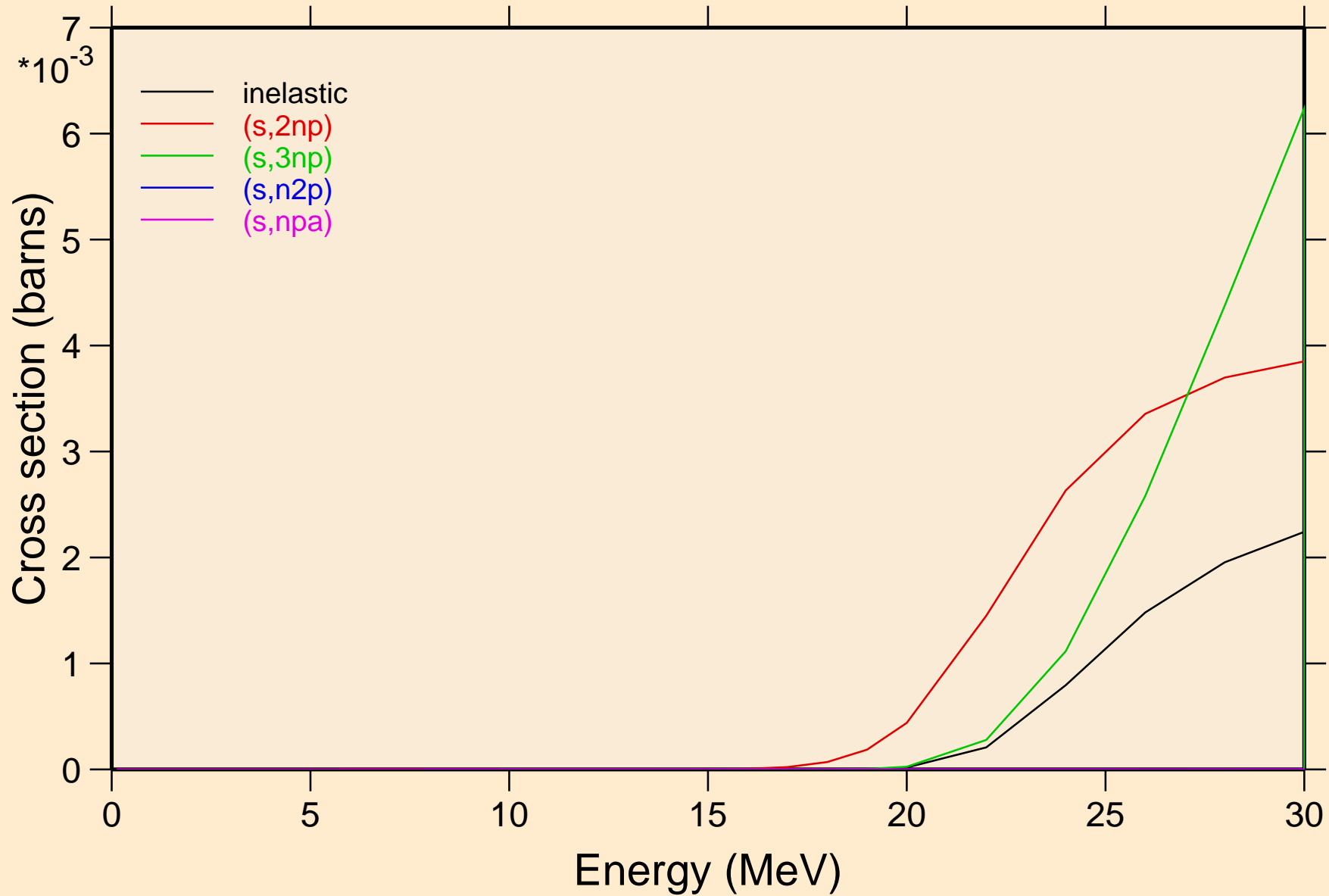
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



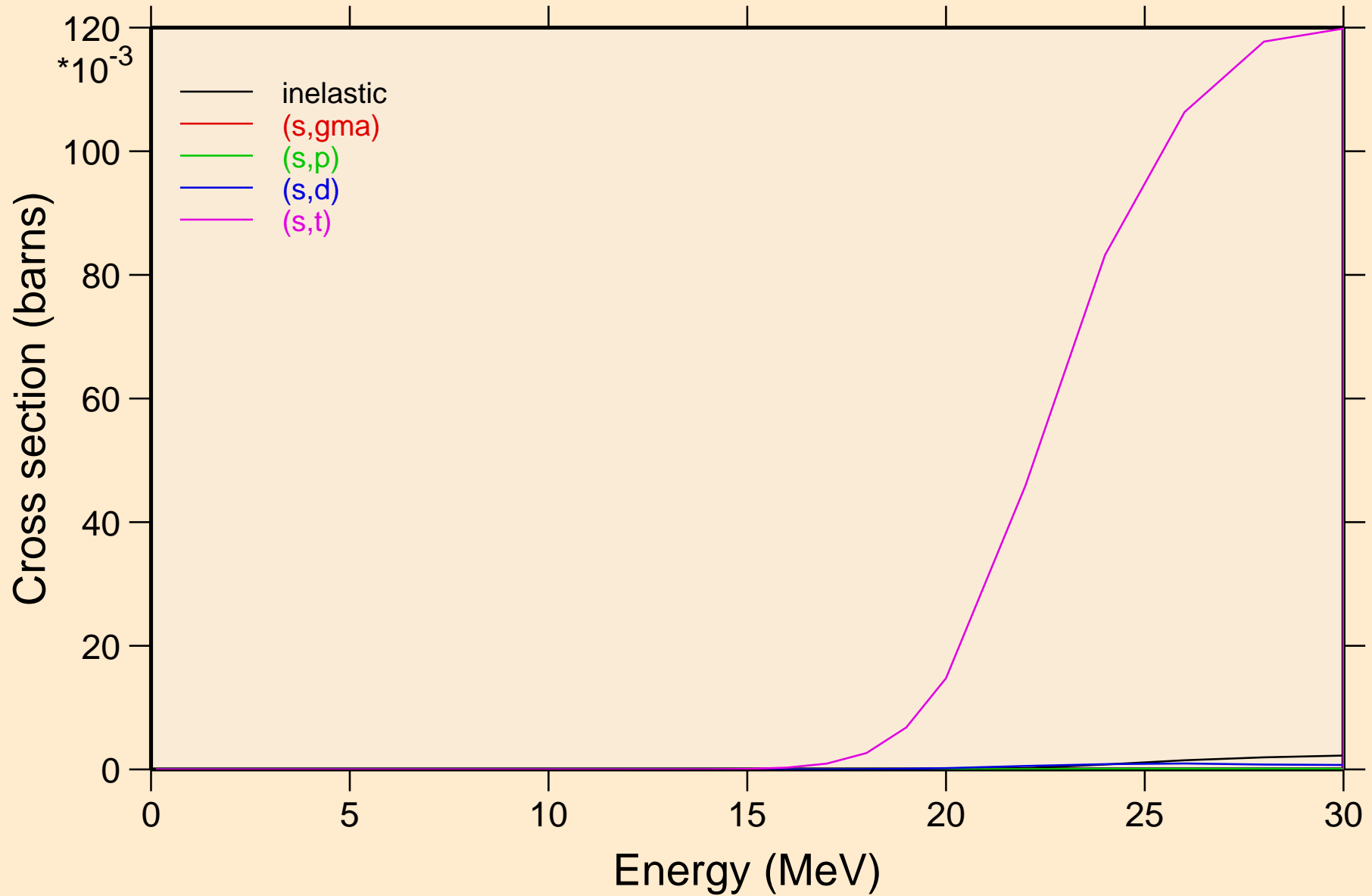
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



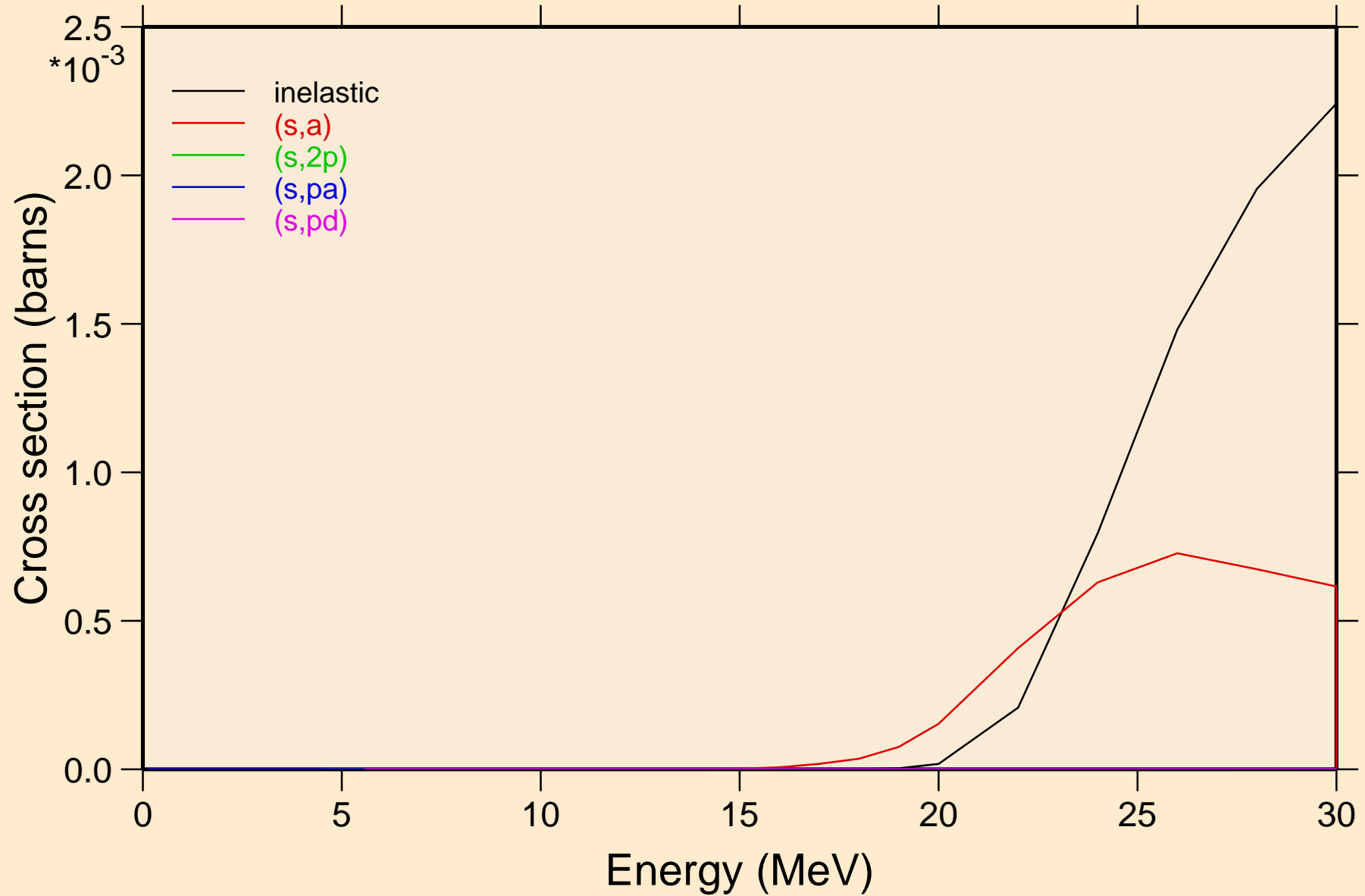
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



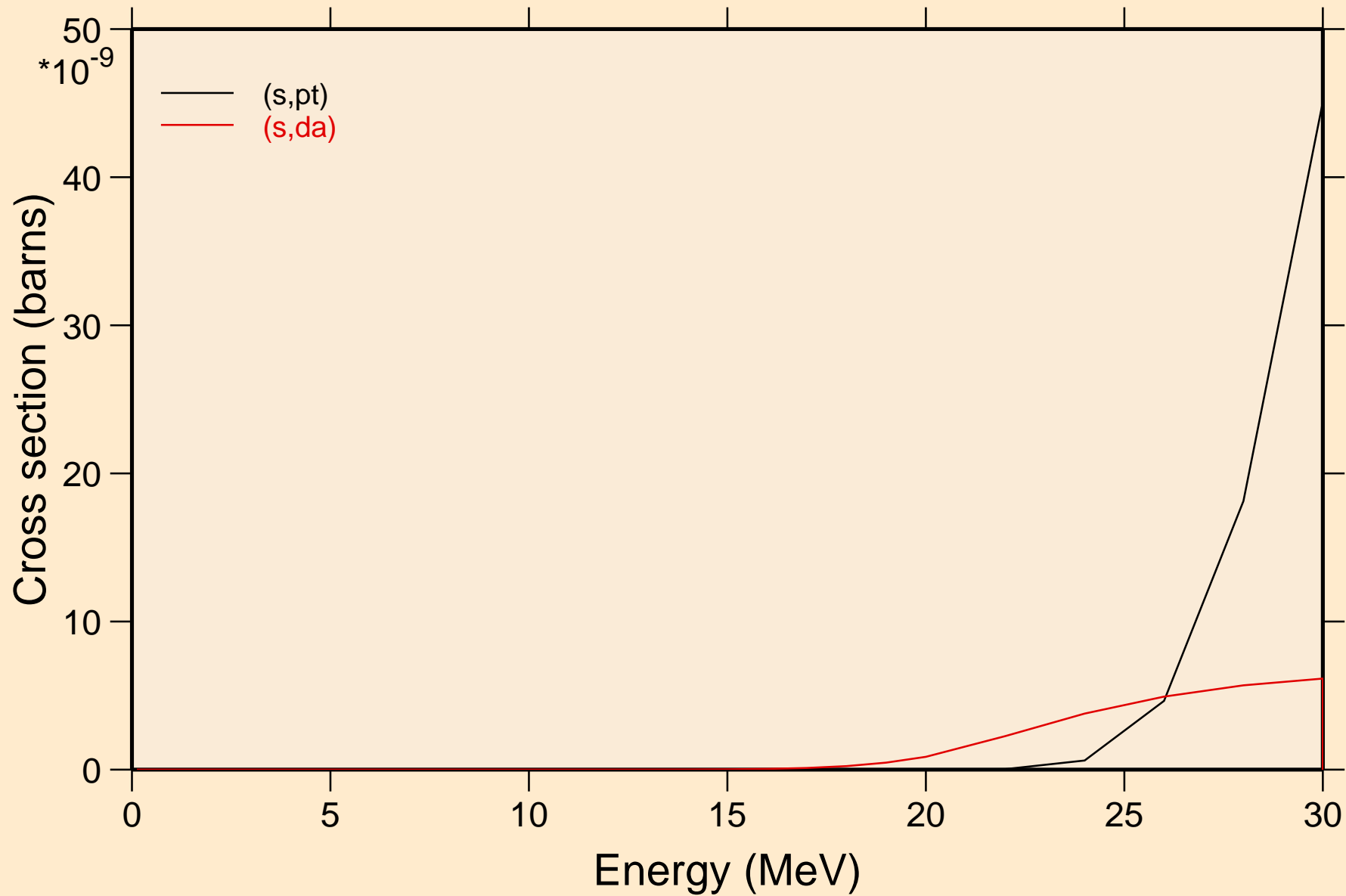
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



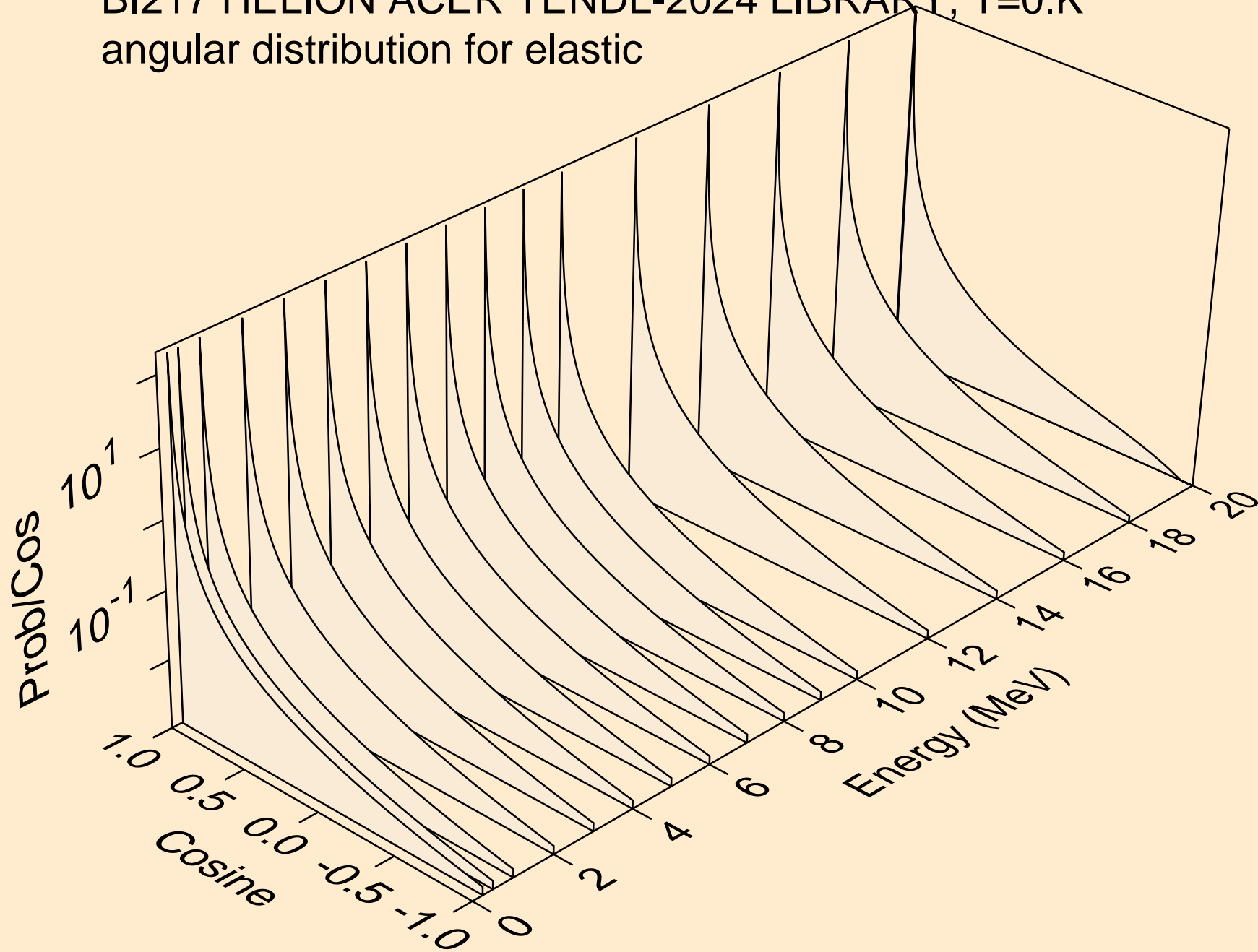
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



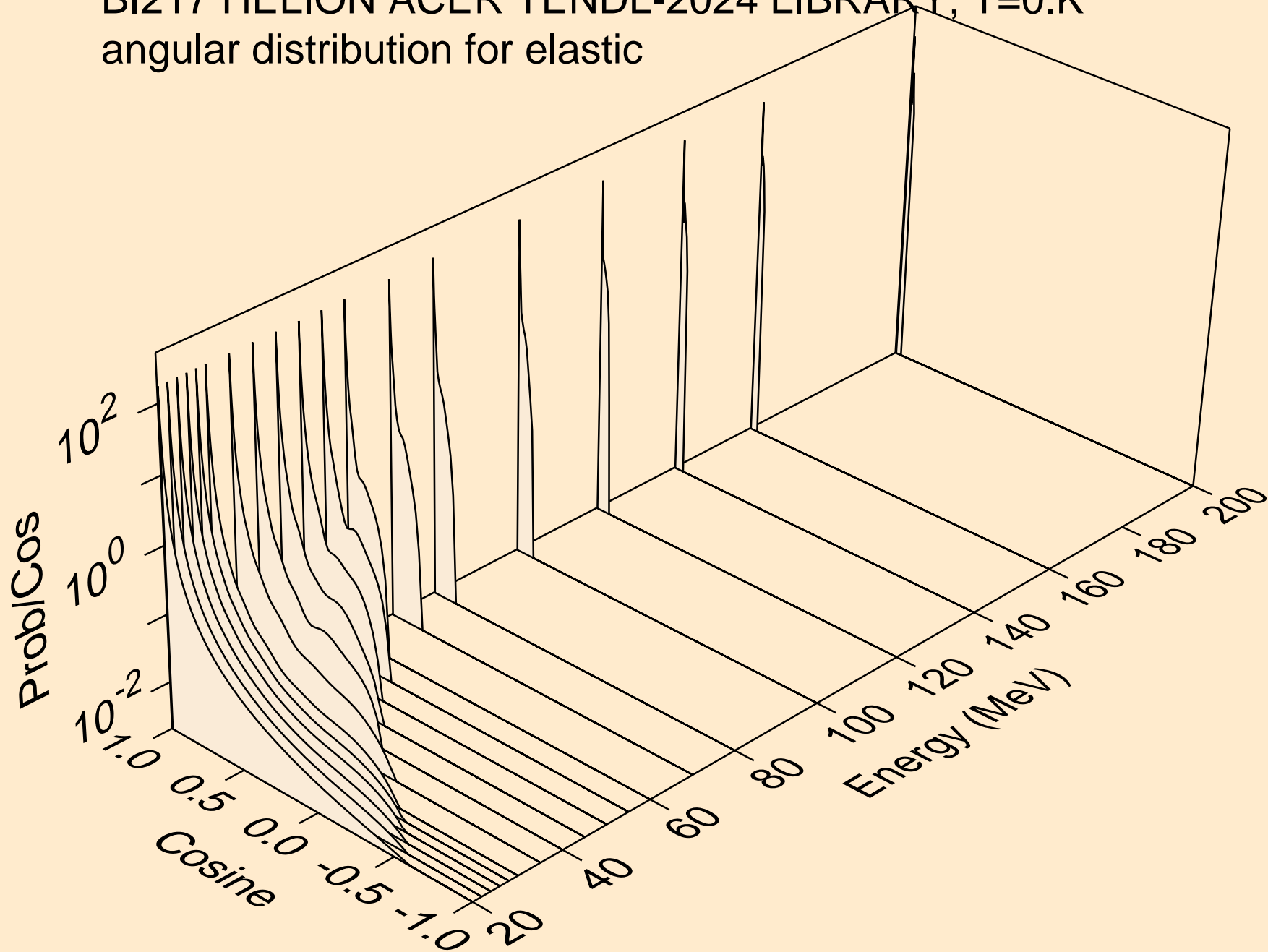
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



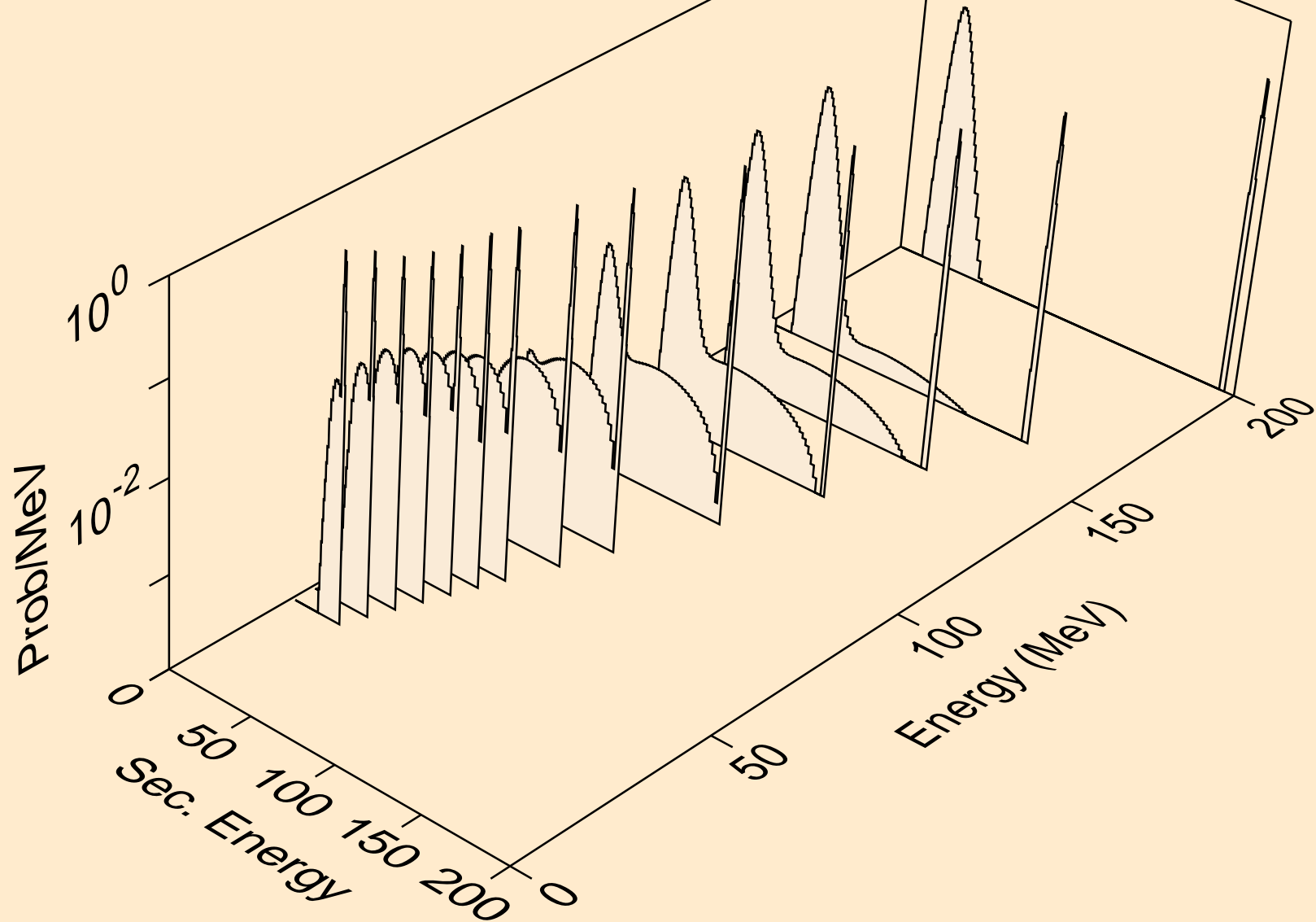
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



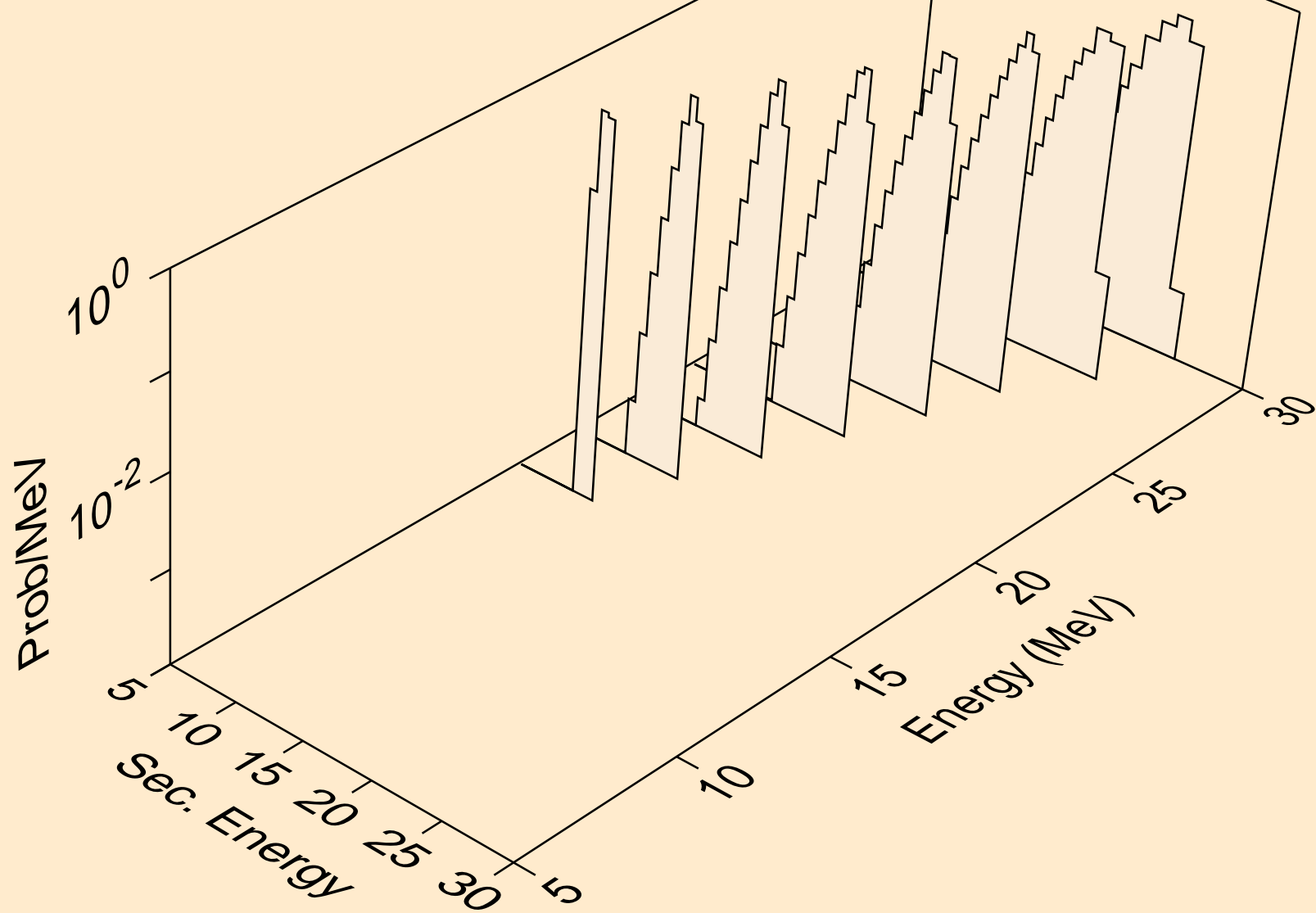
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



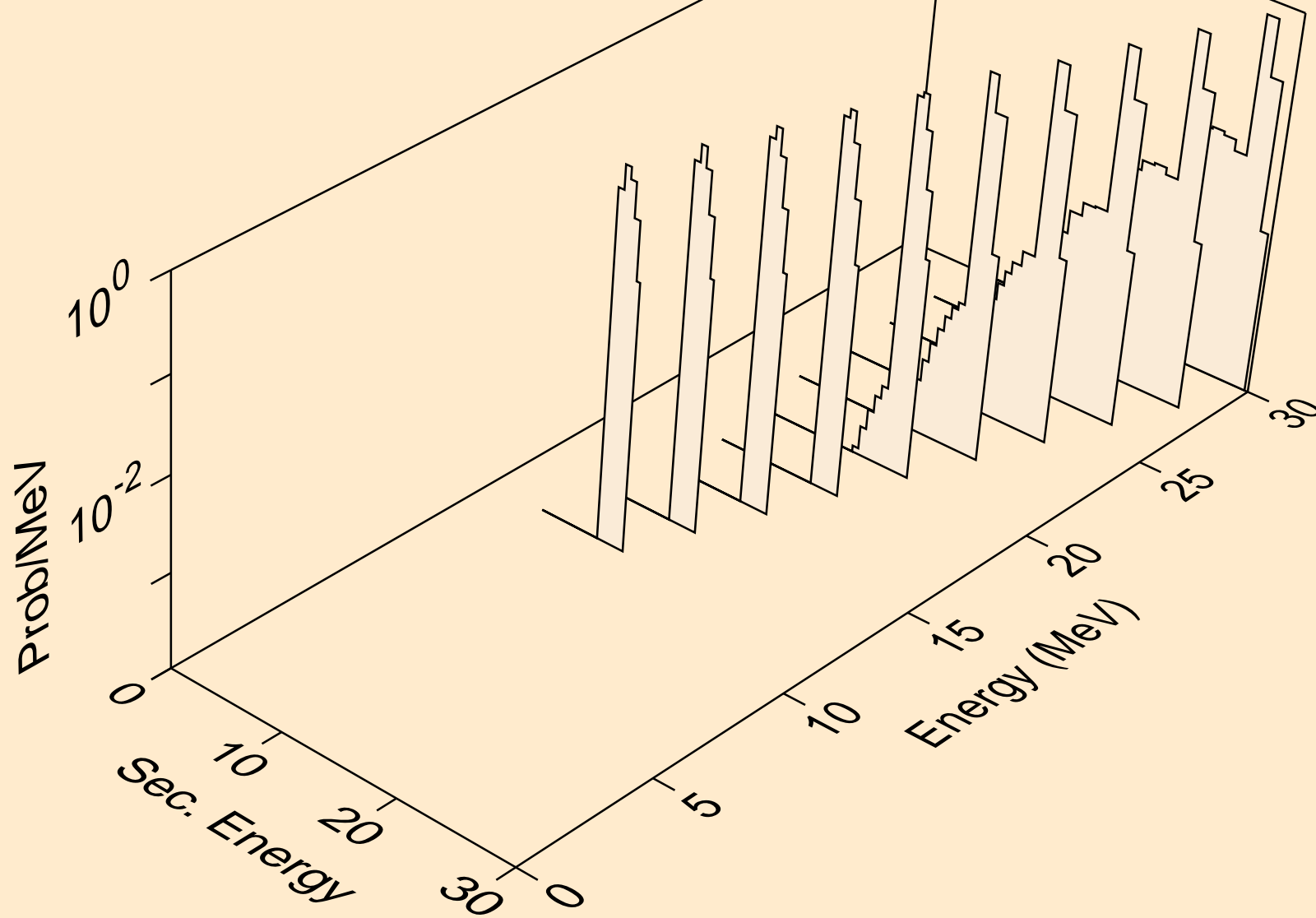
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for (s,x)



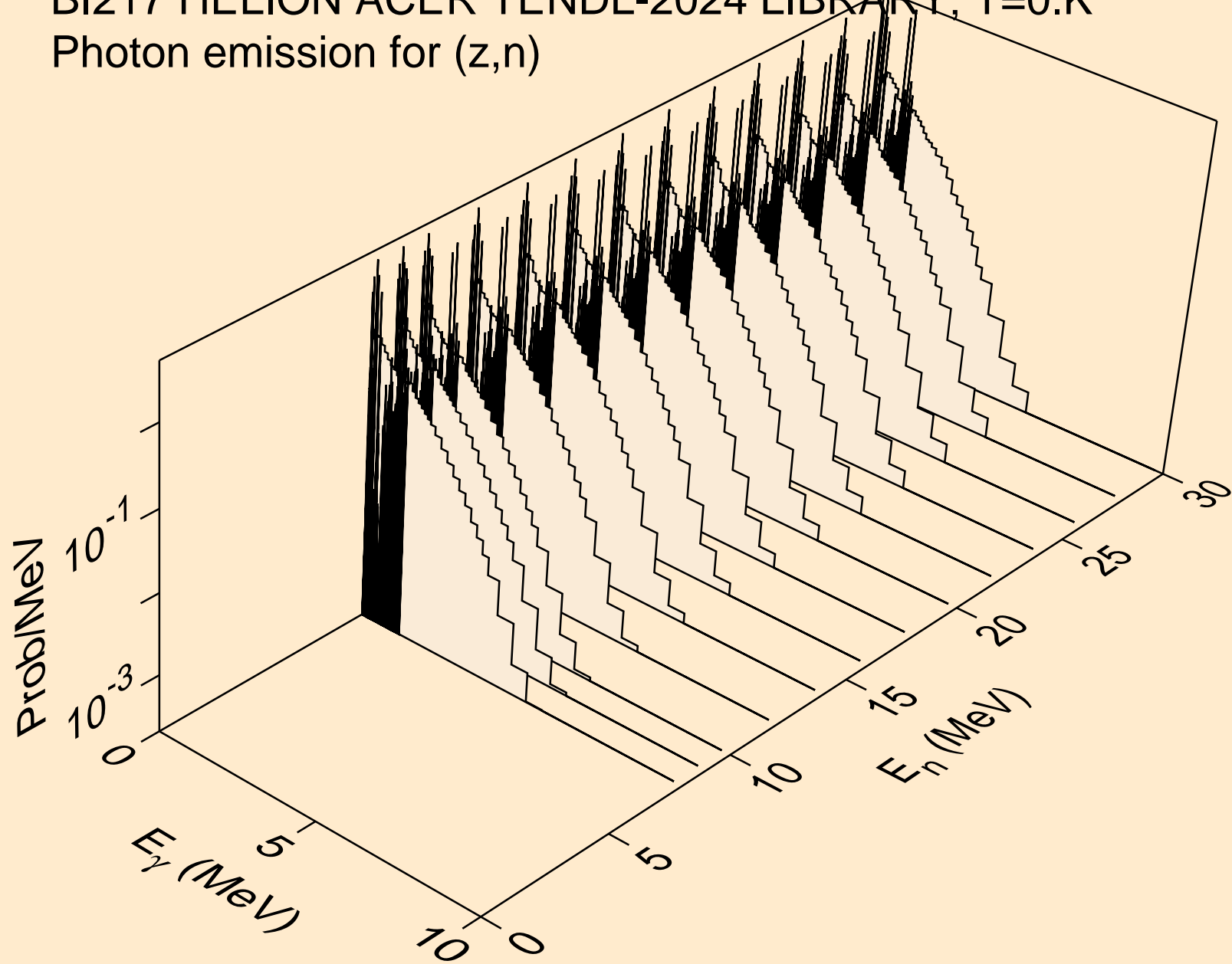
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3



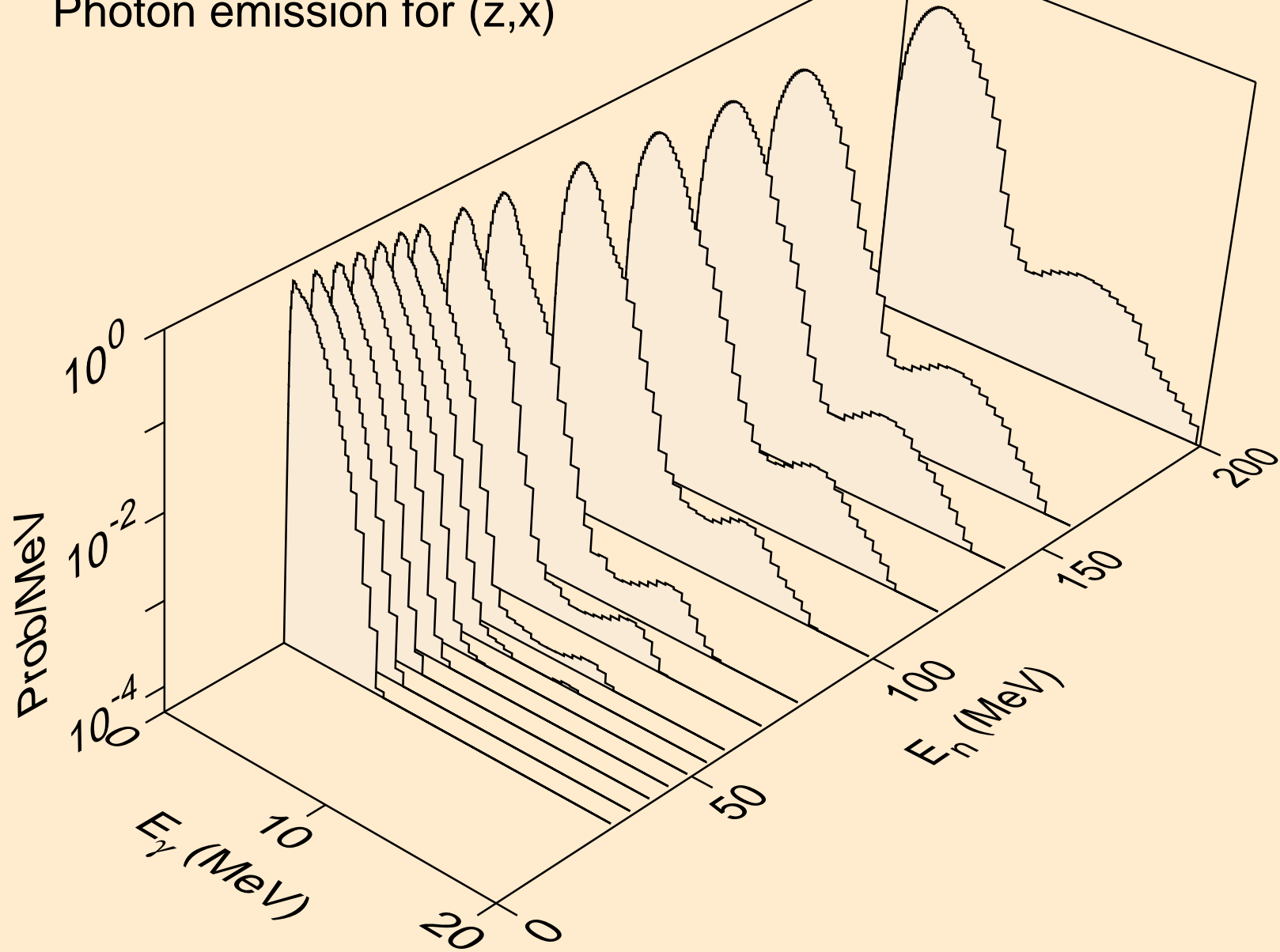
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for inelastic



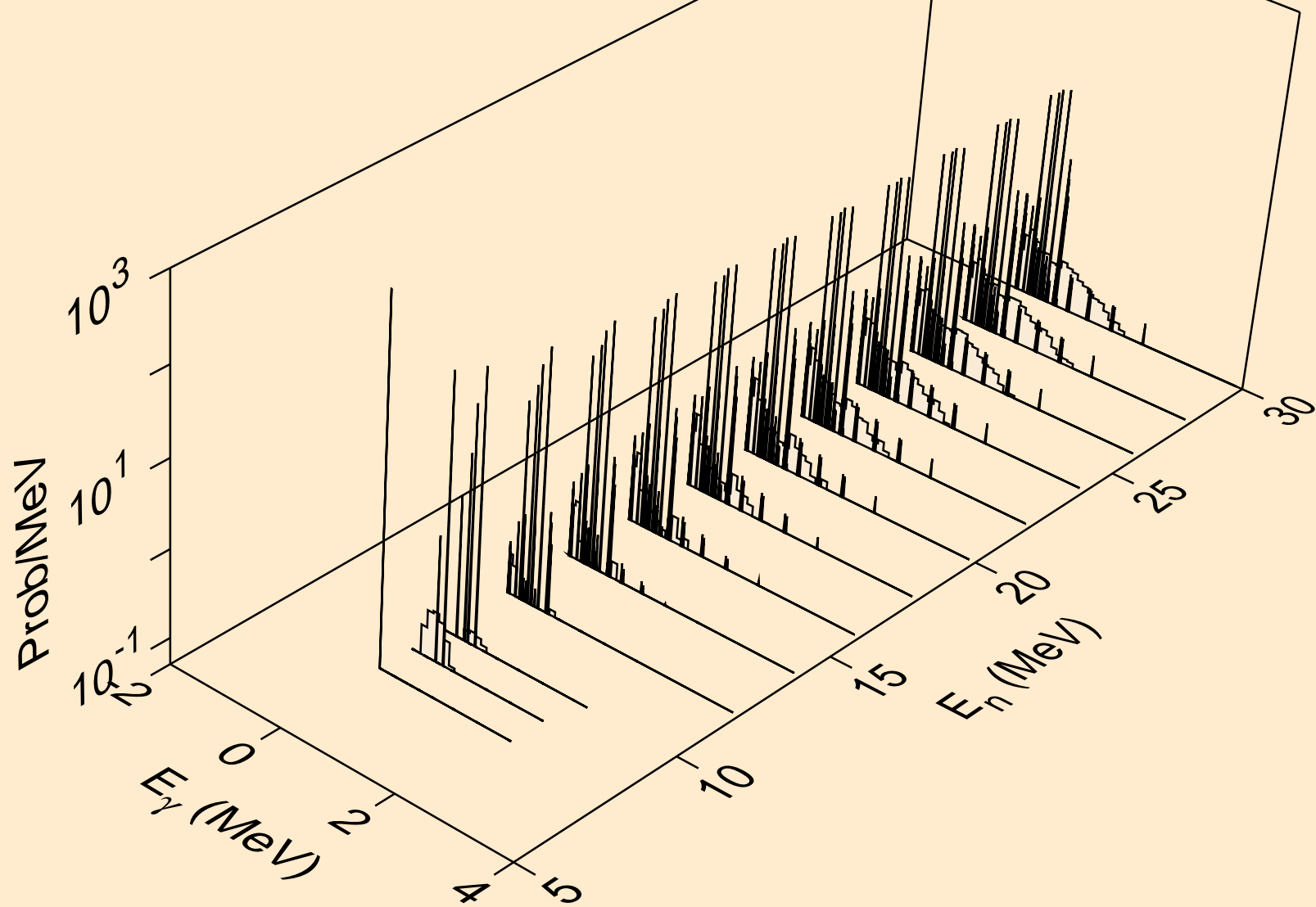
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,n)



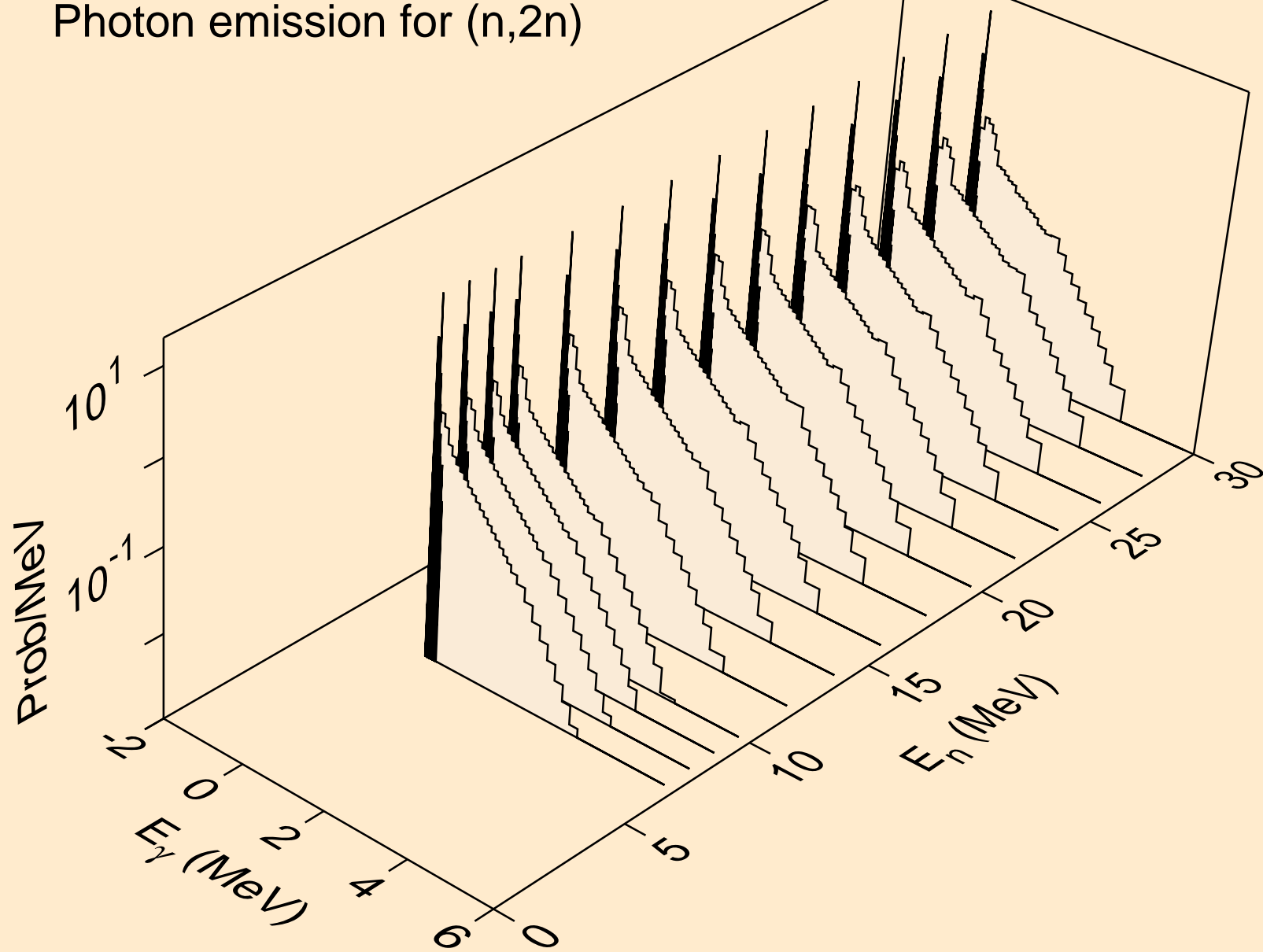
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,x)



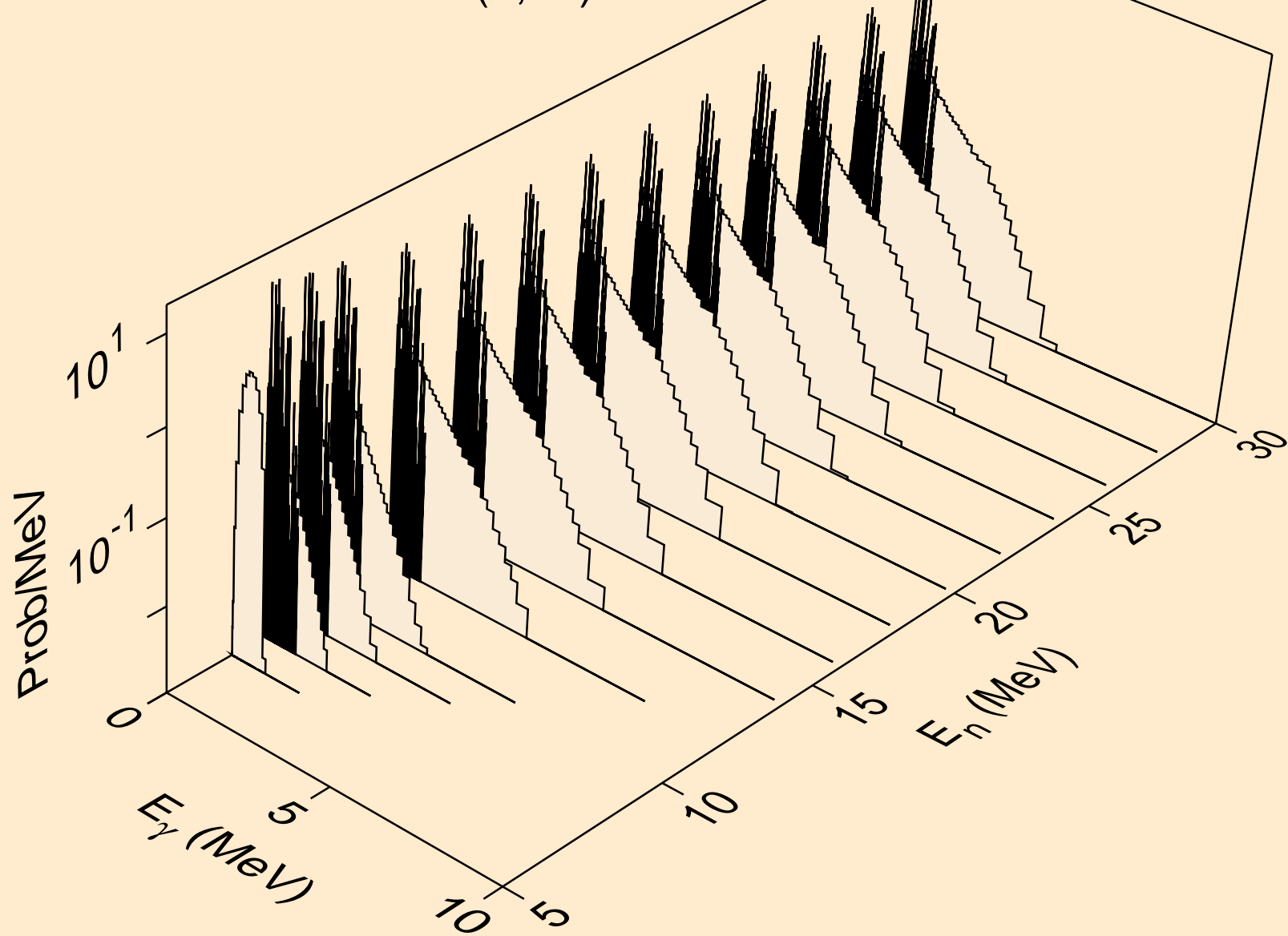
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



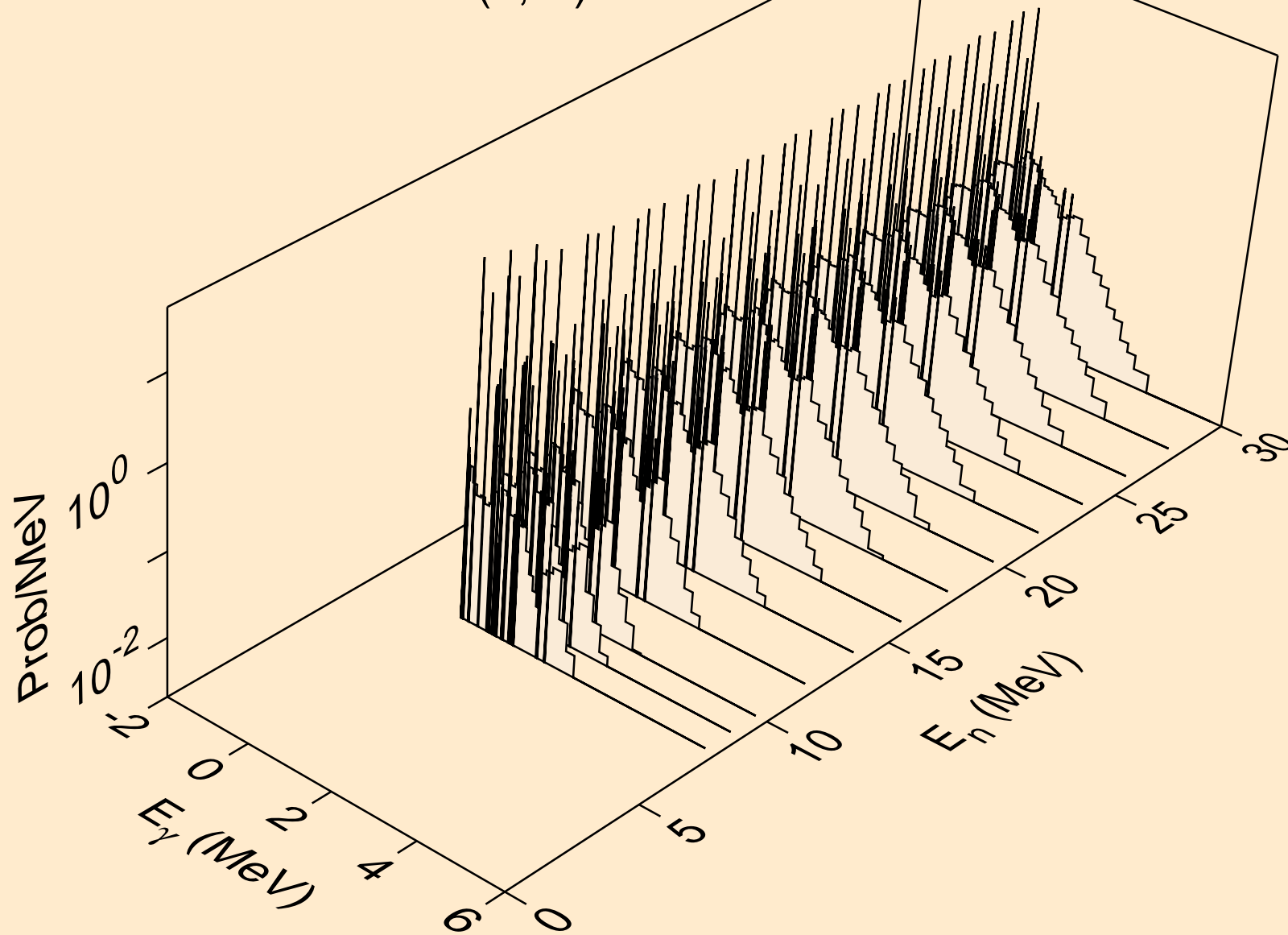
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



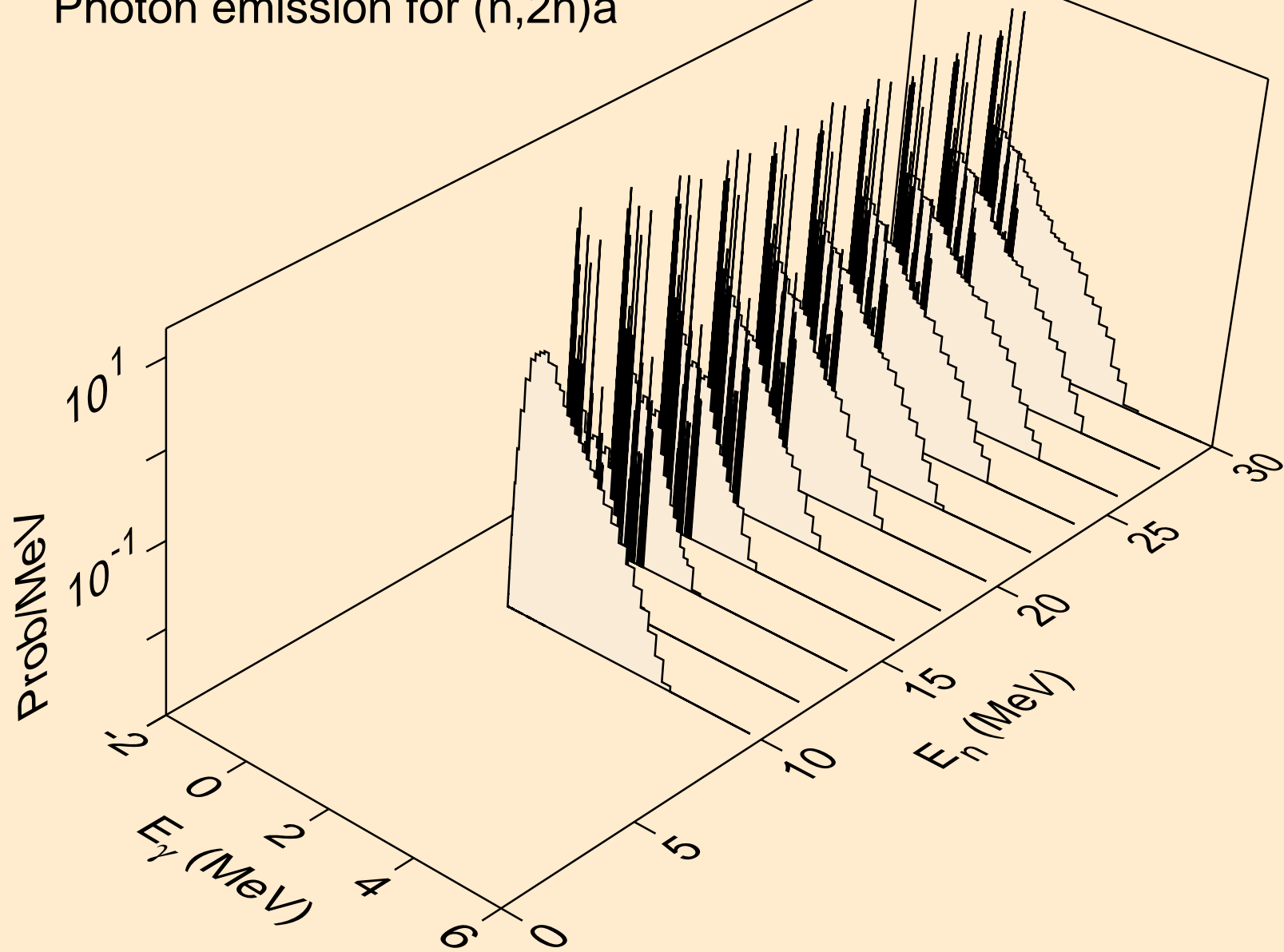
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



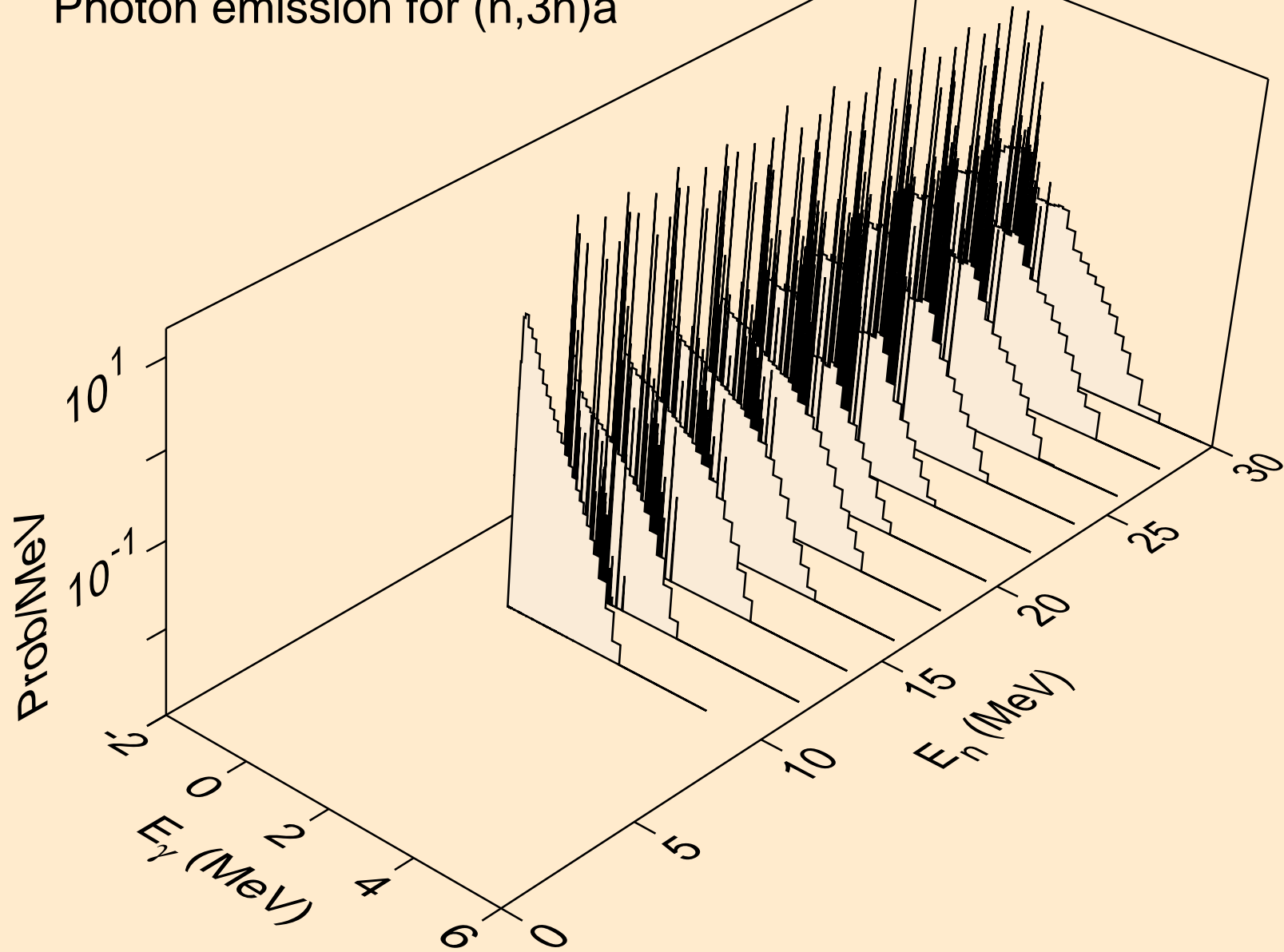
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



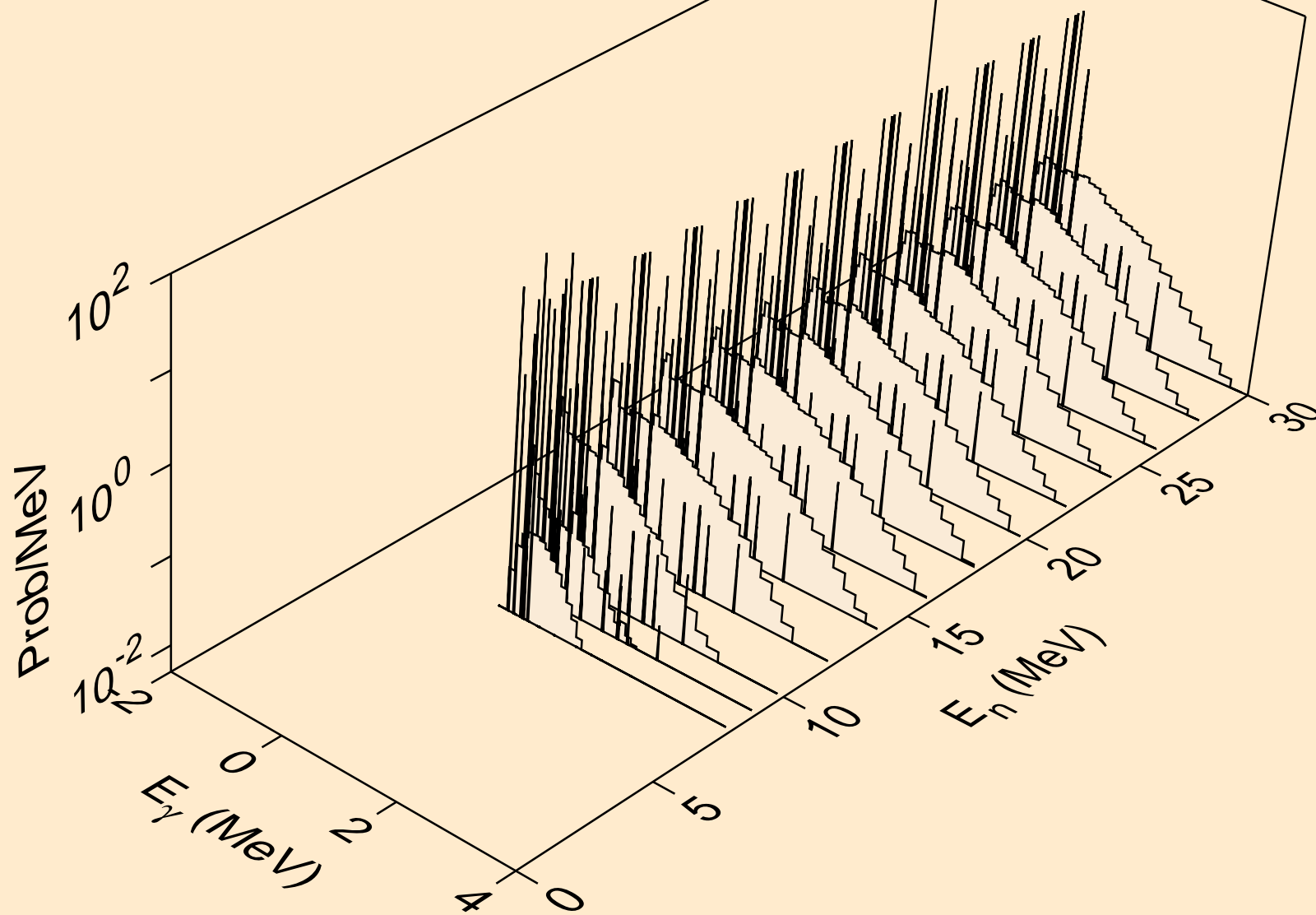
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n) $\alpha$



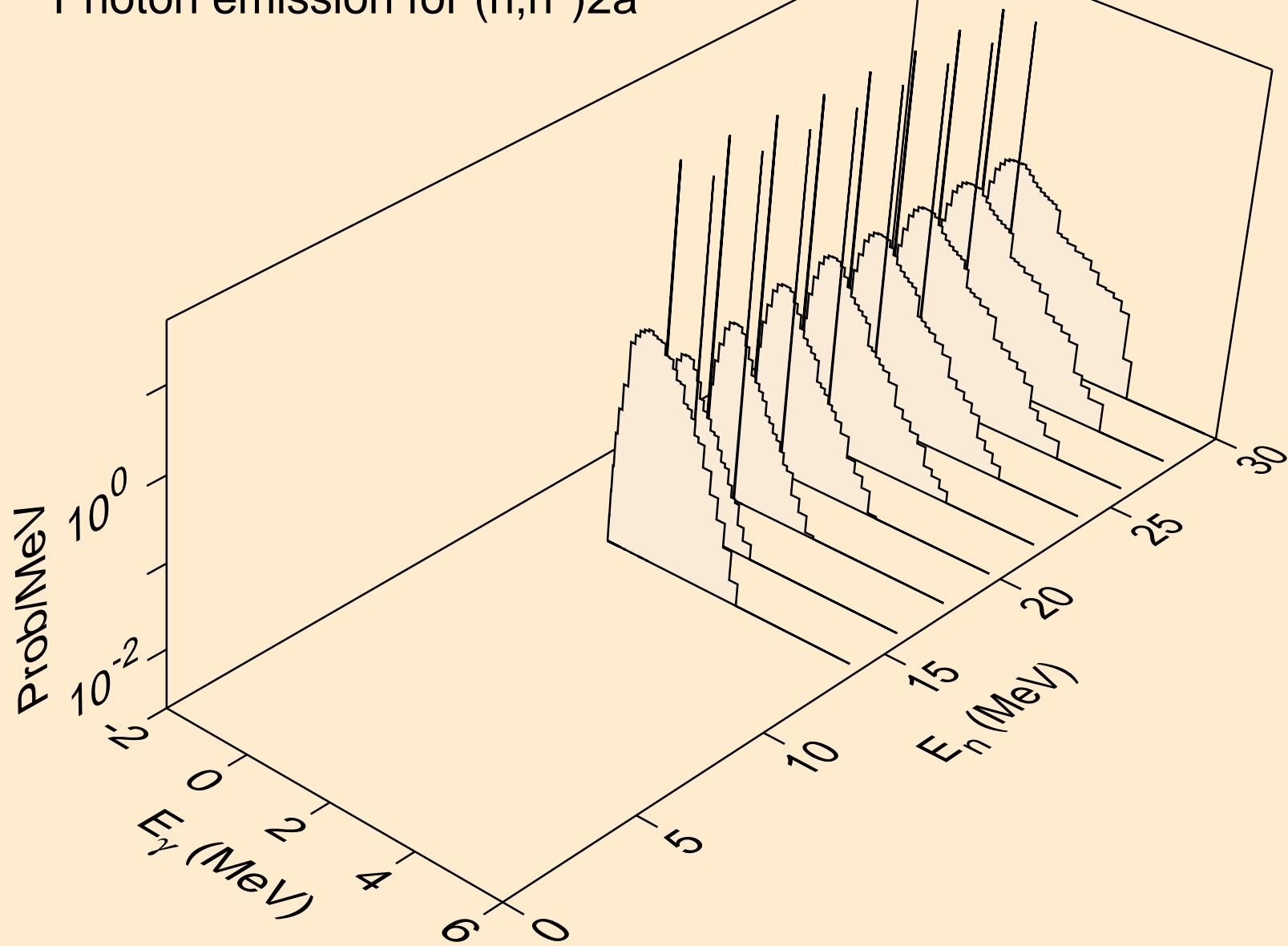
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



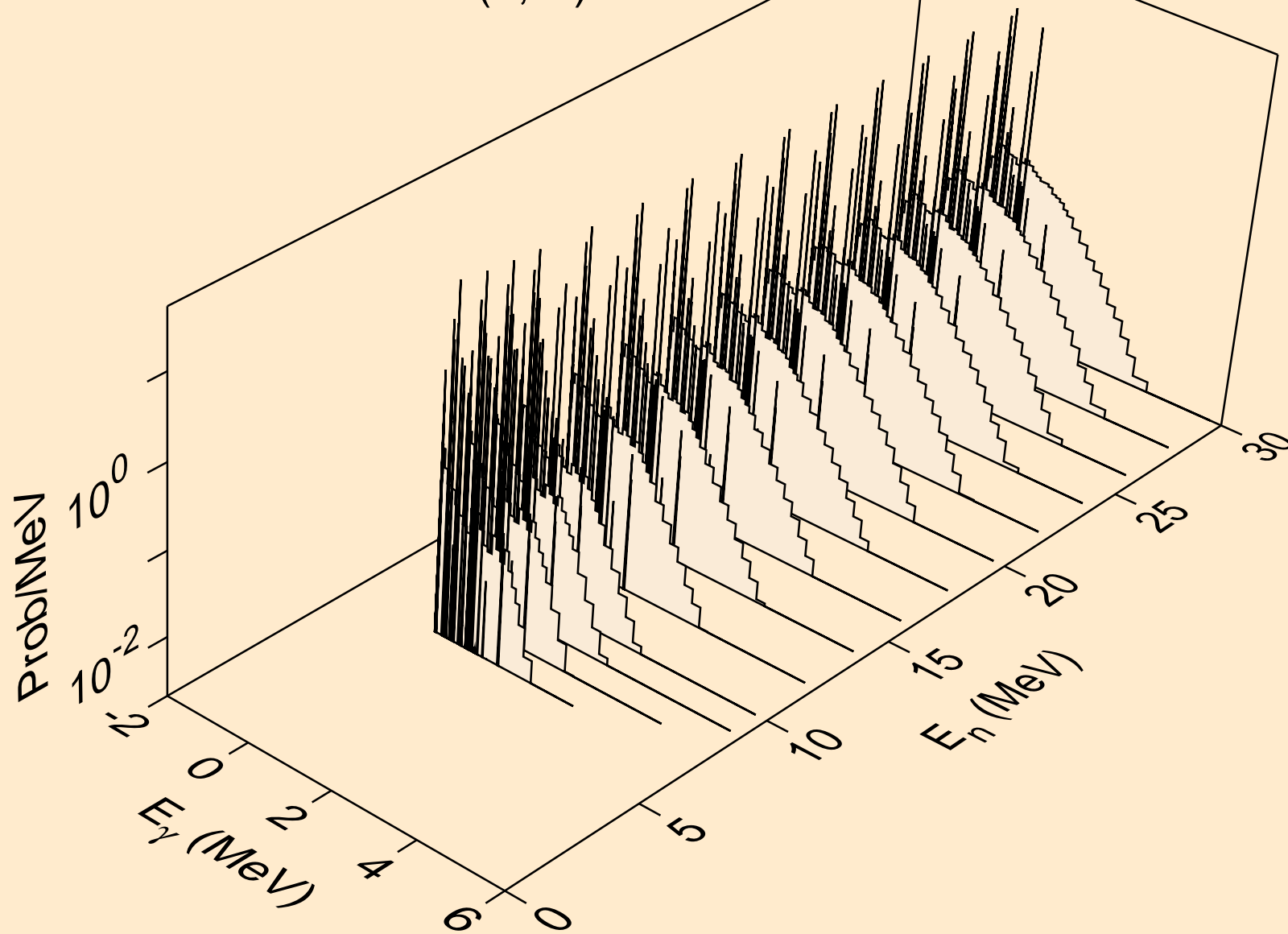
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



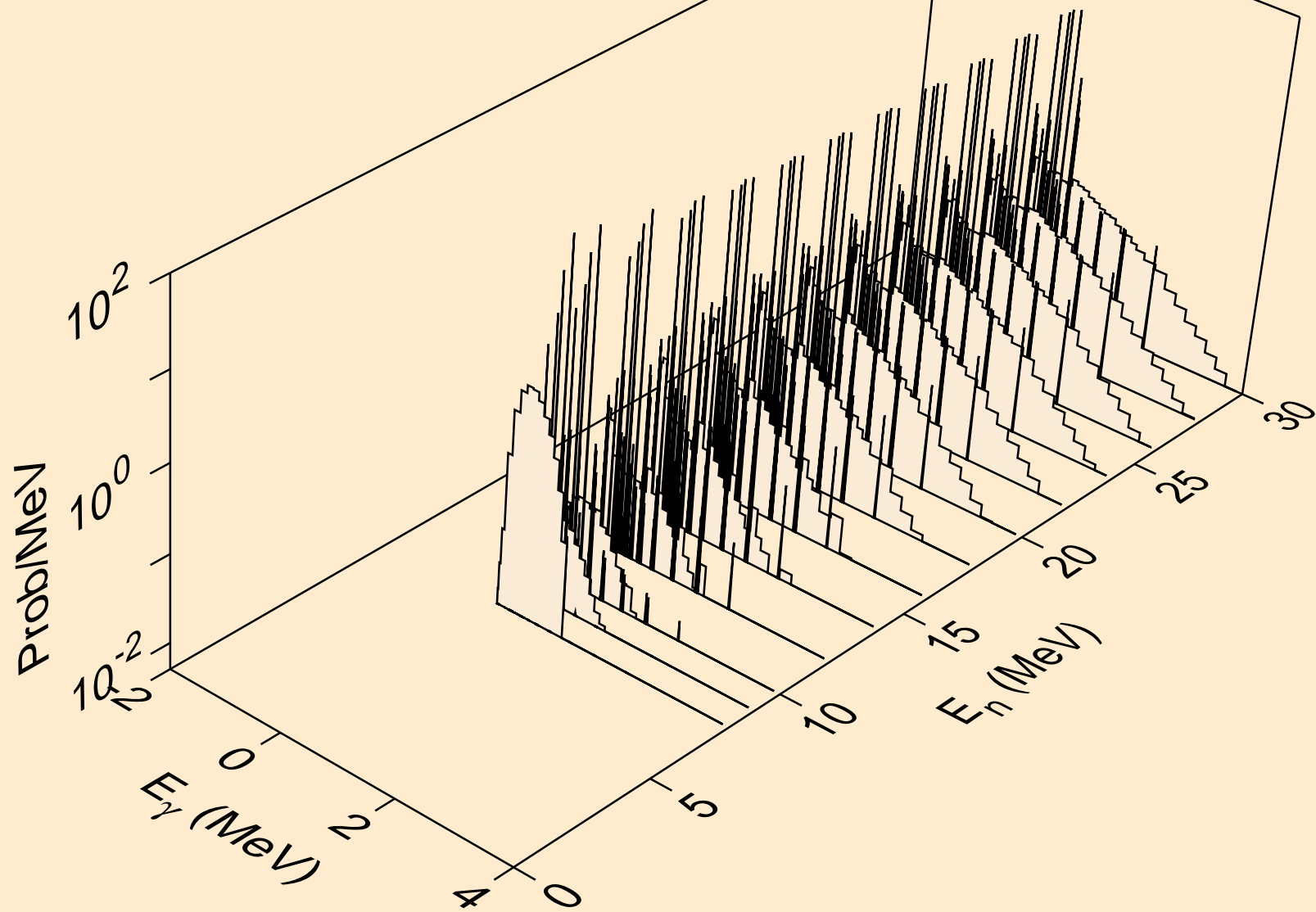
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



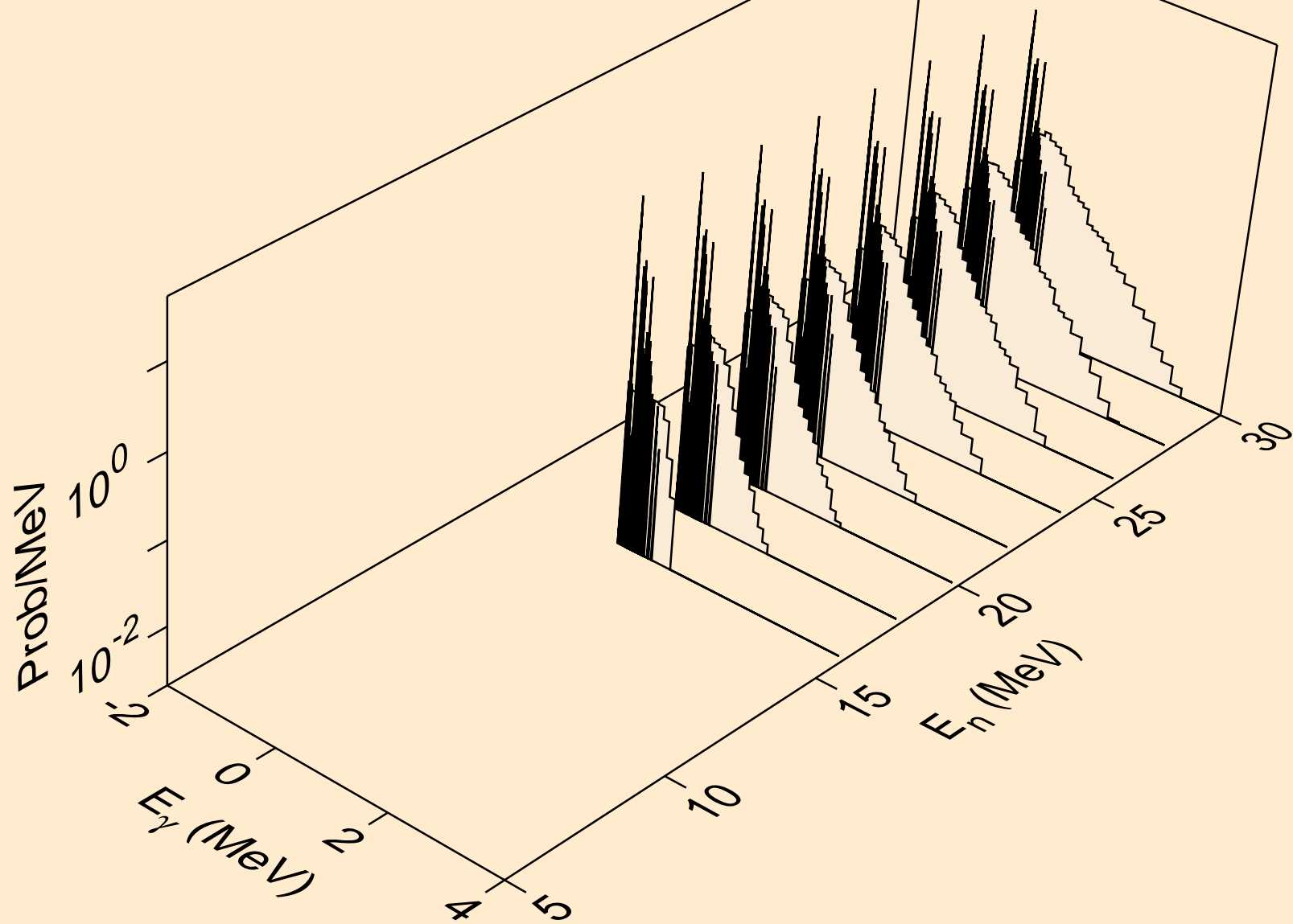
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



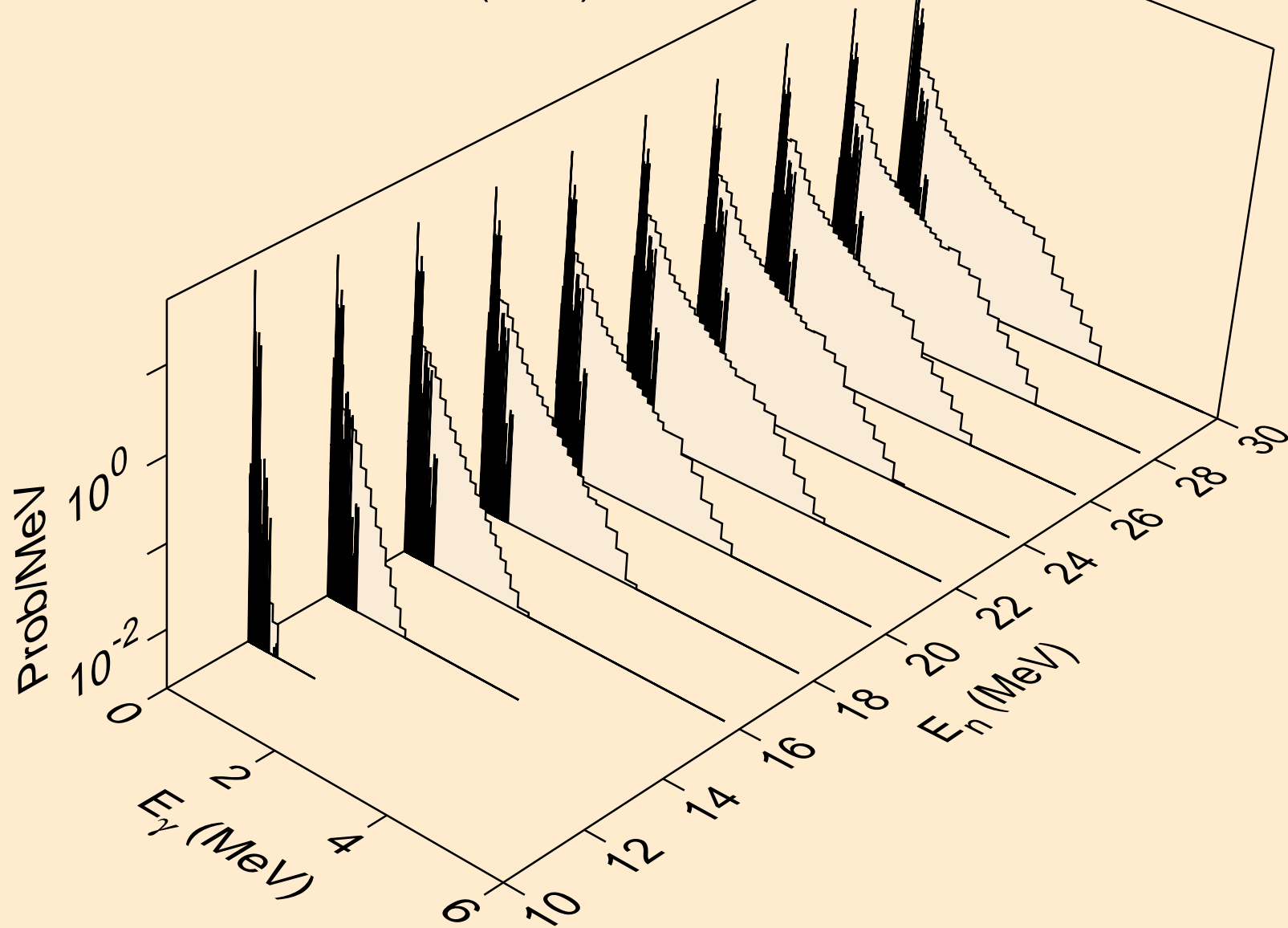
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



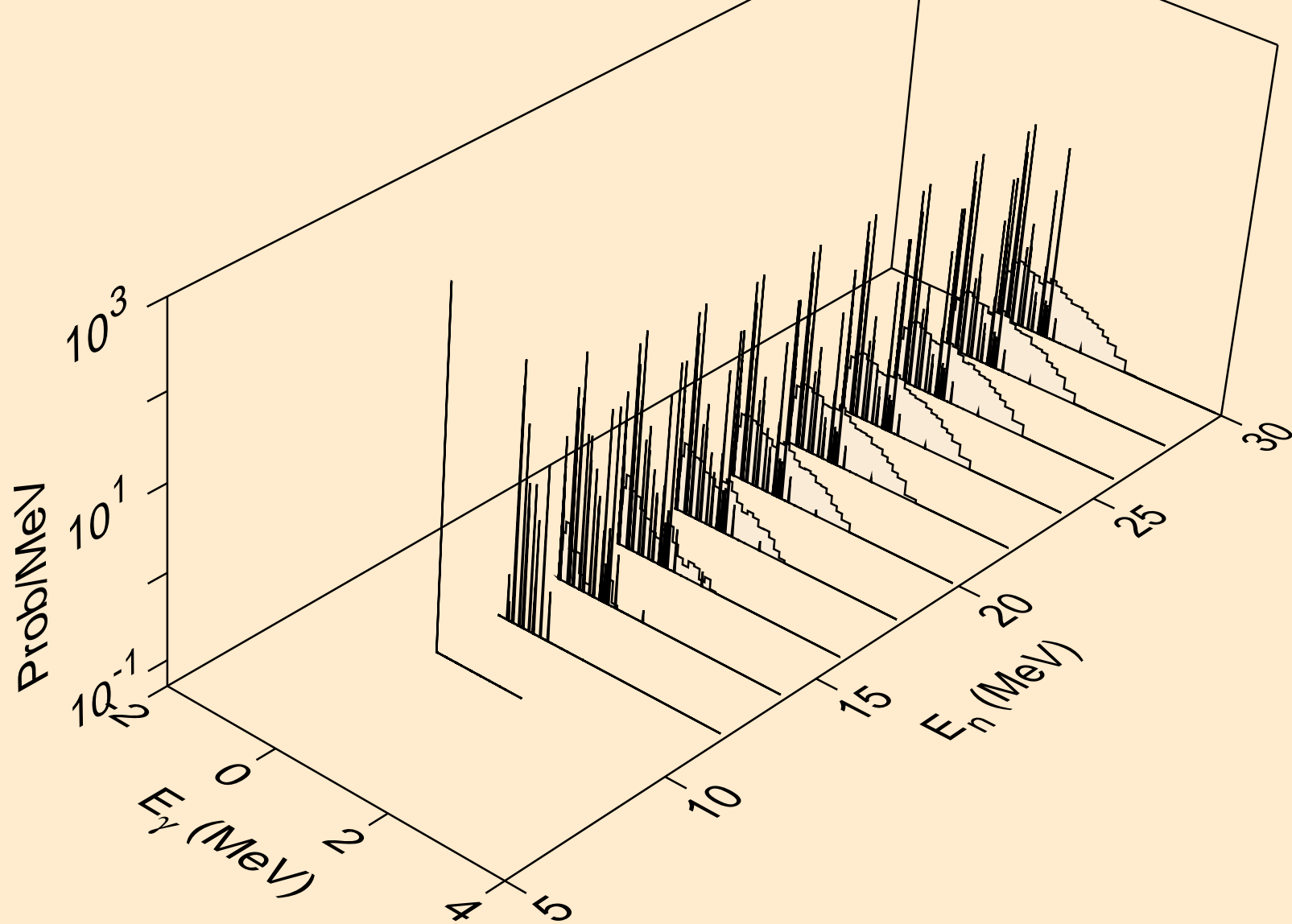
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



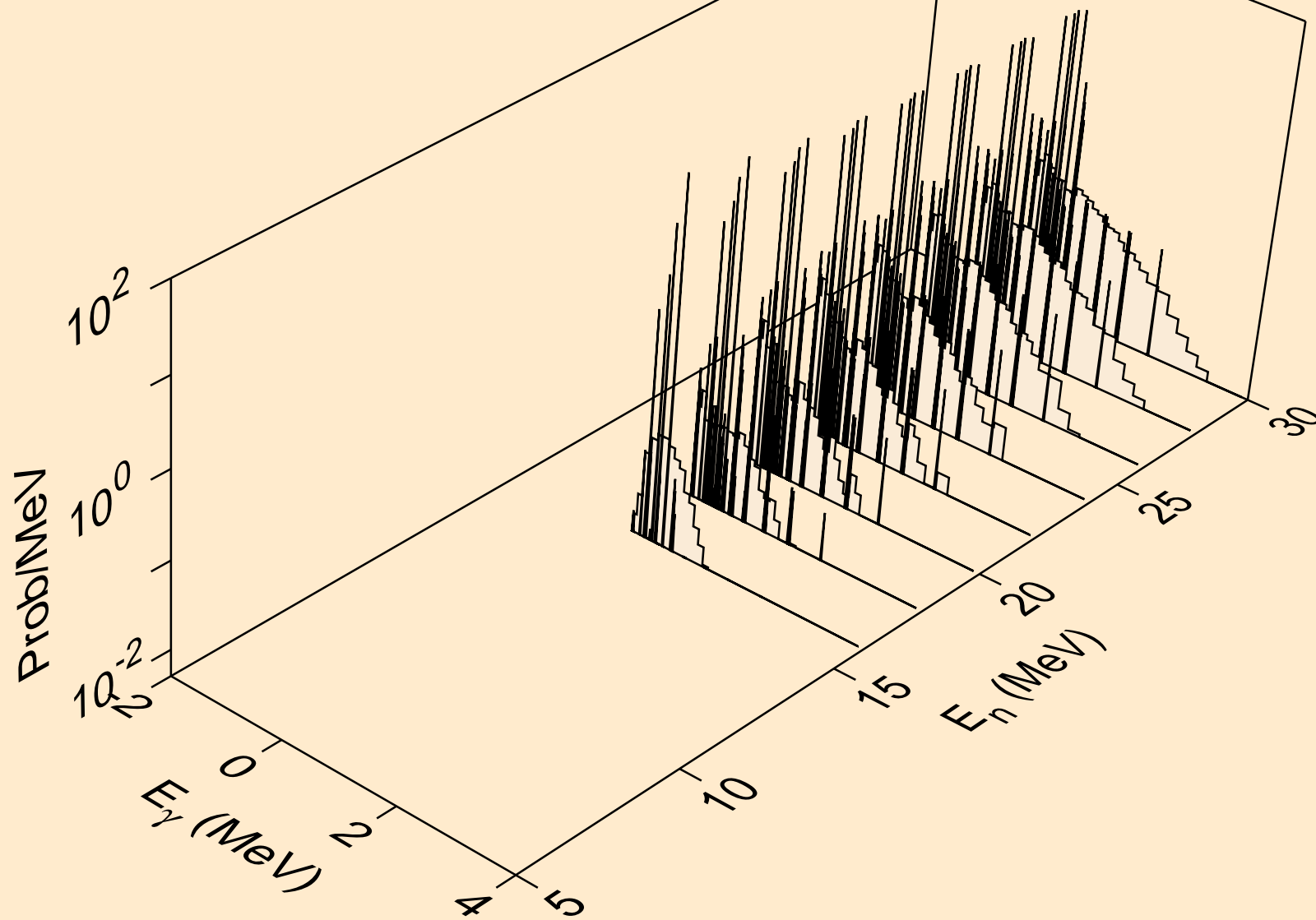
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



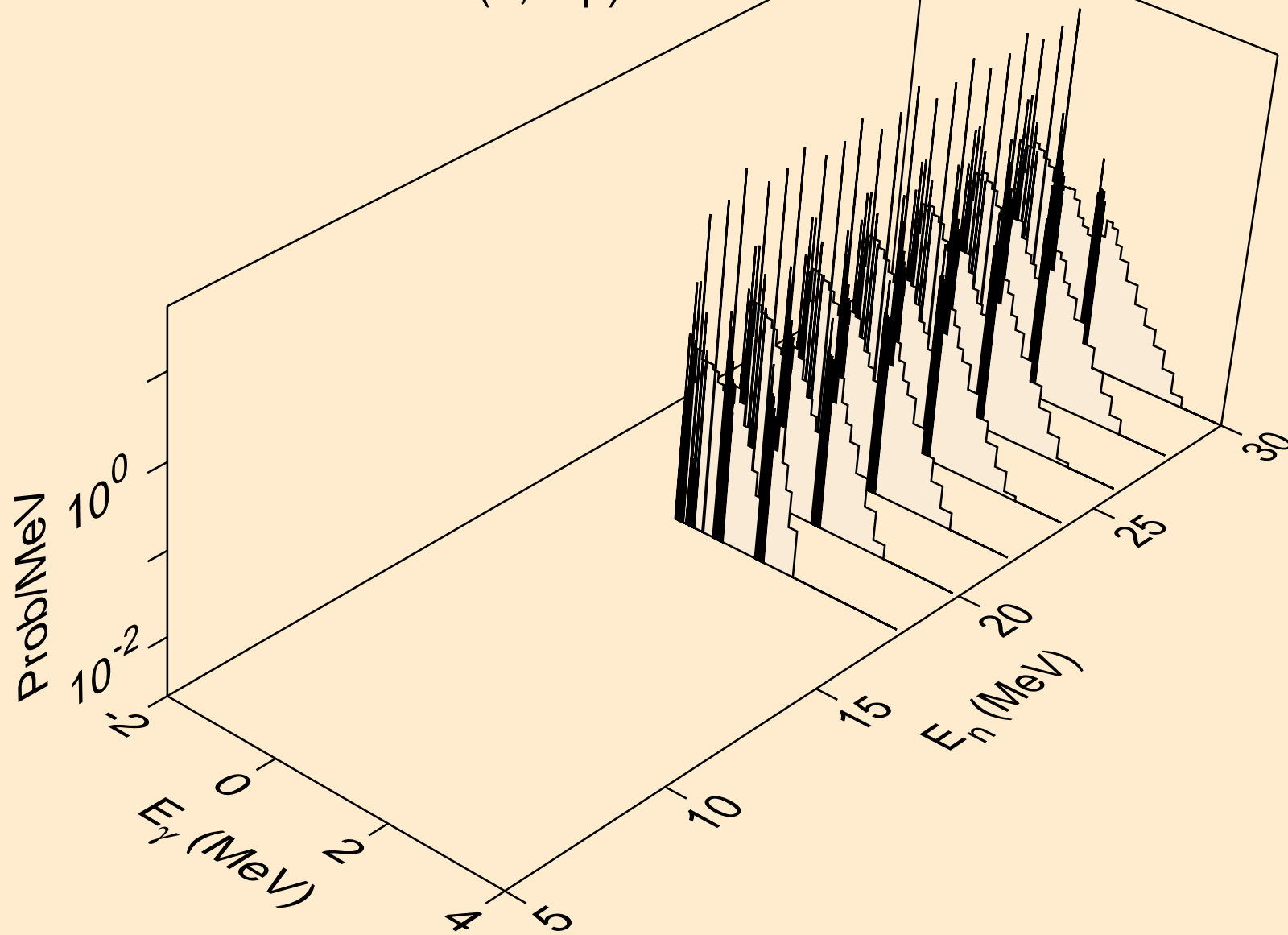
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



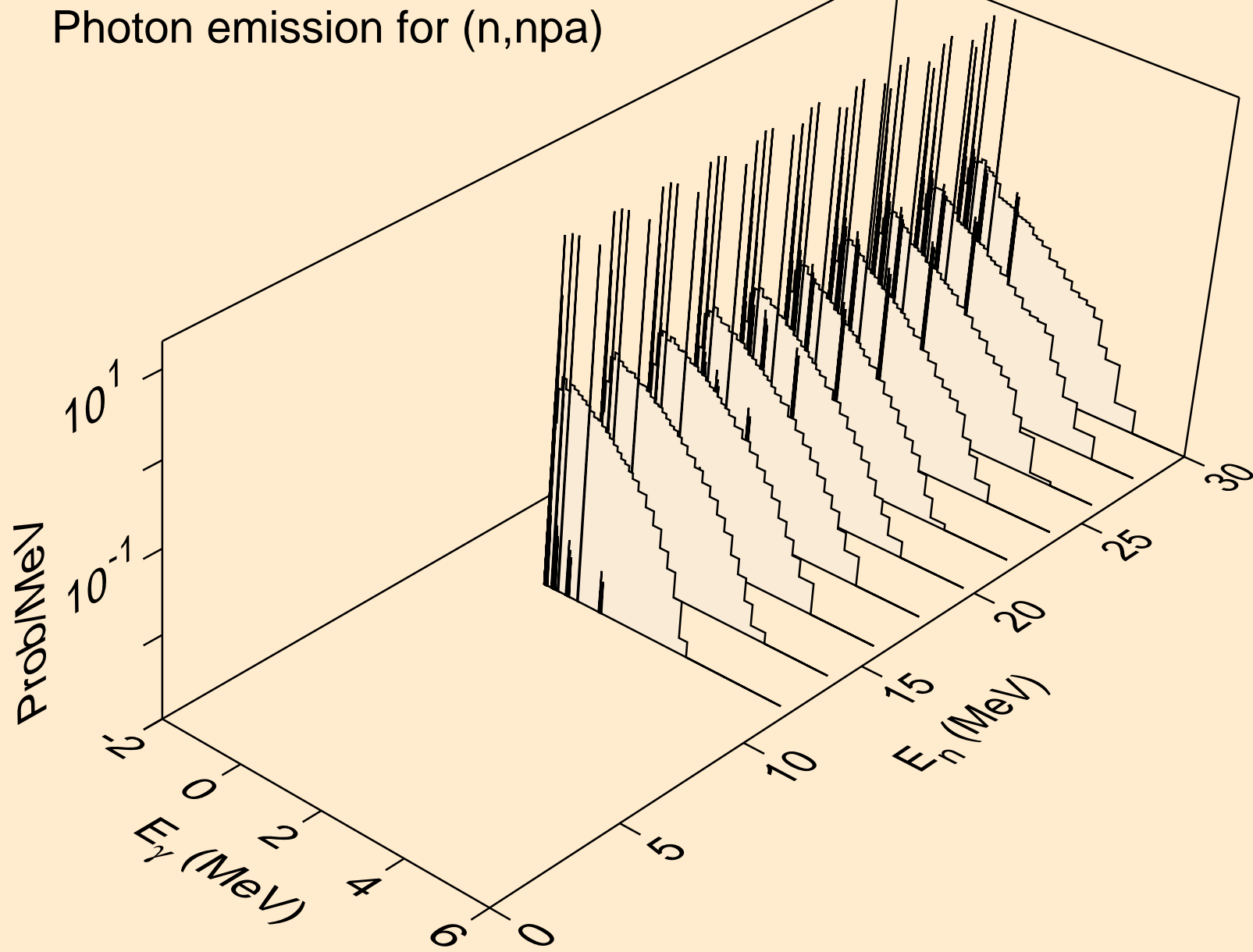
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



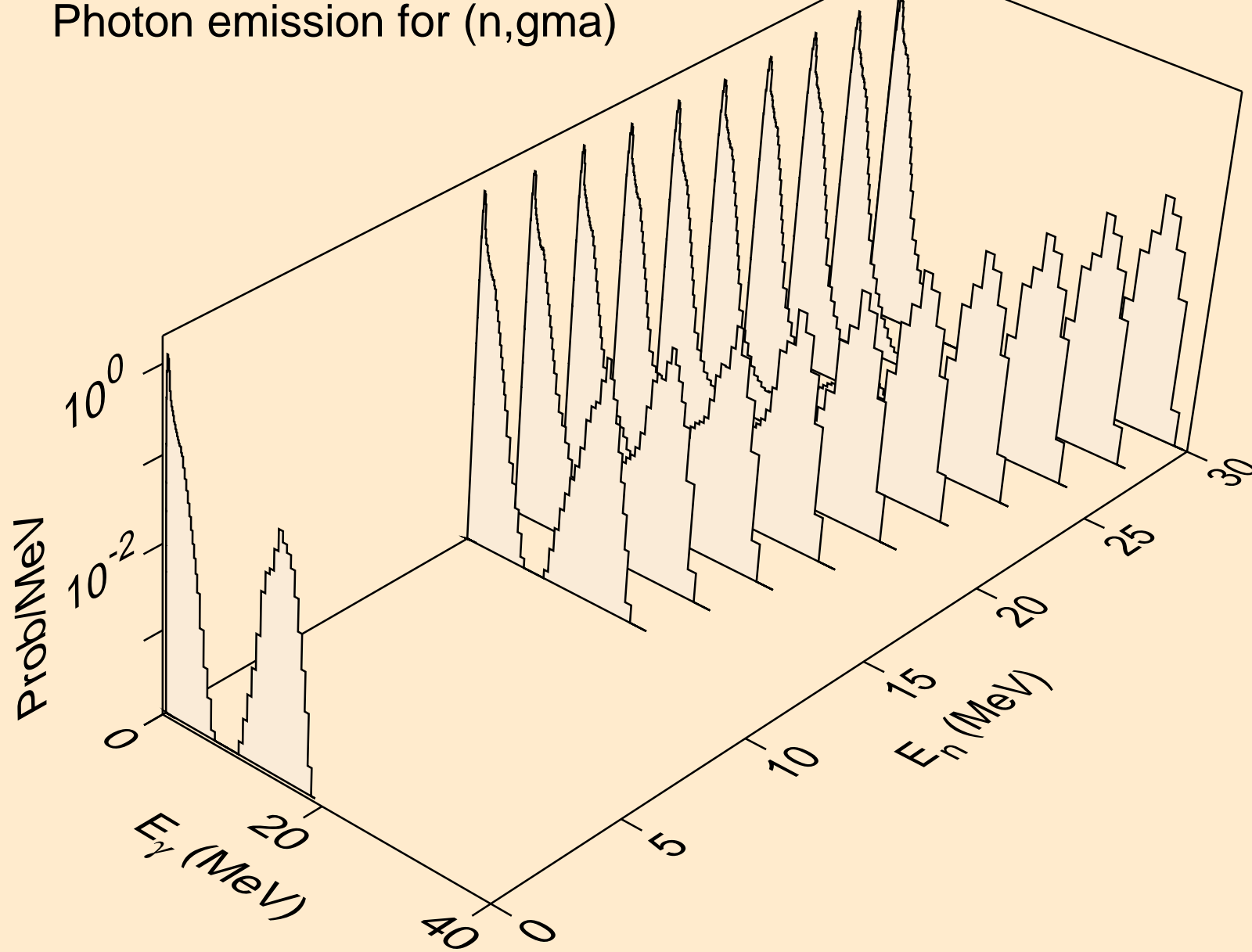
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



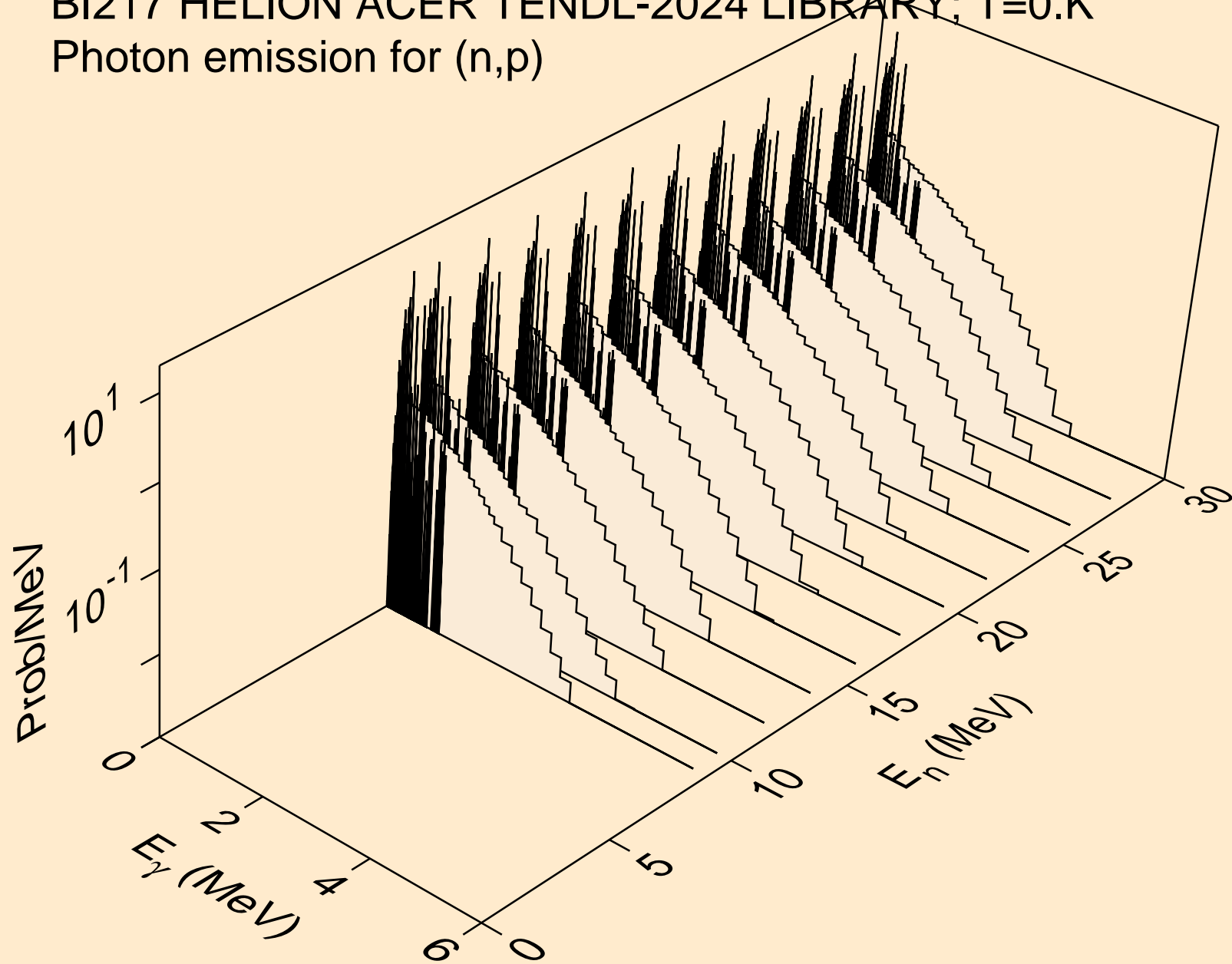
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



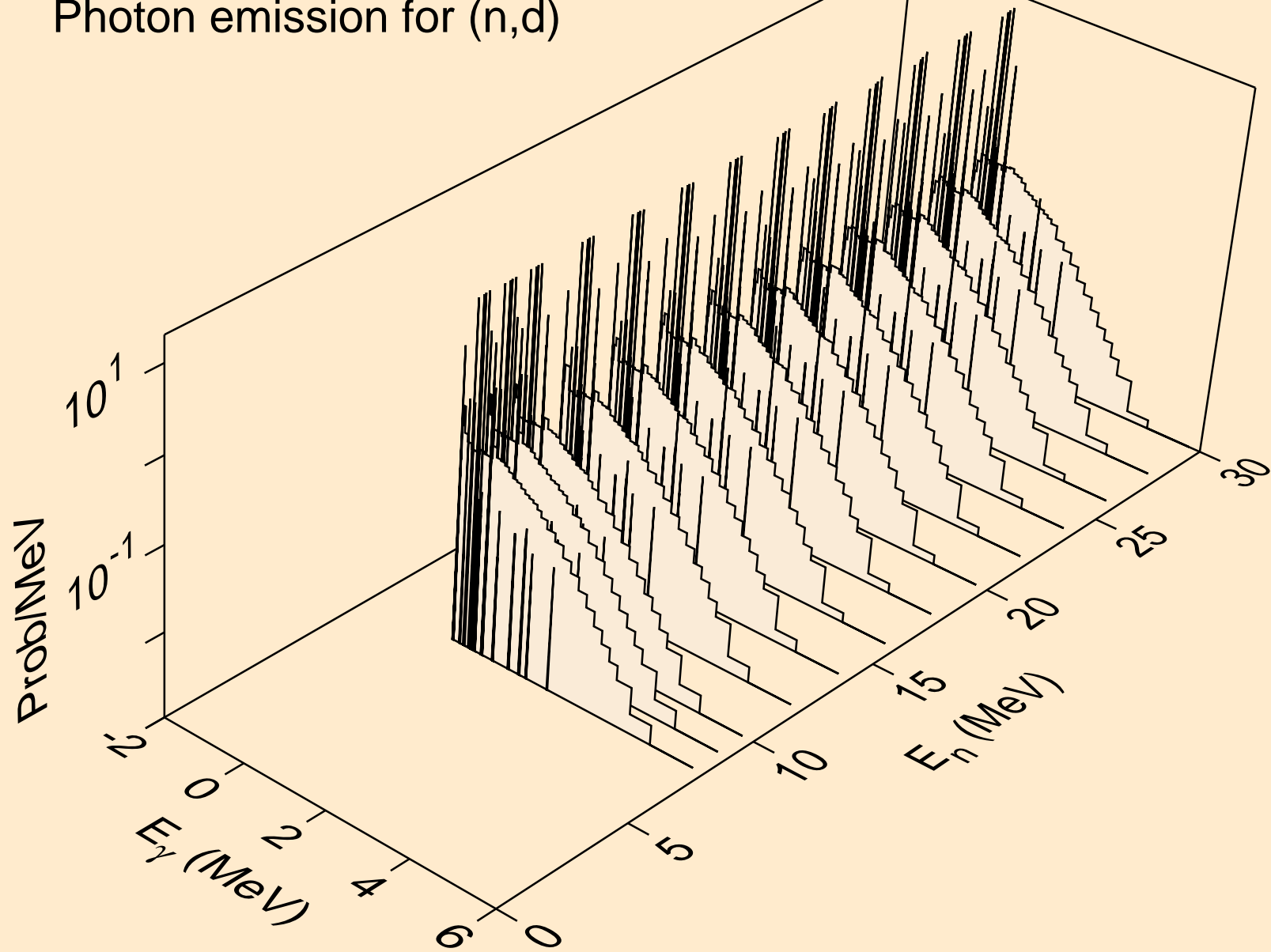
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



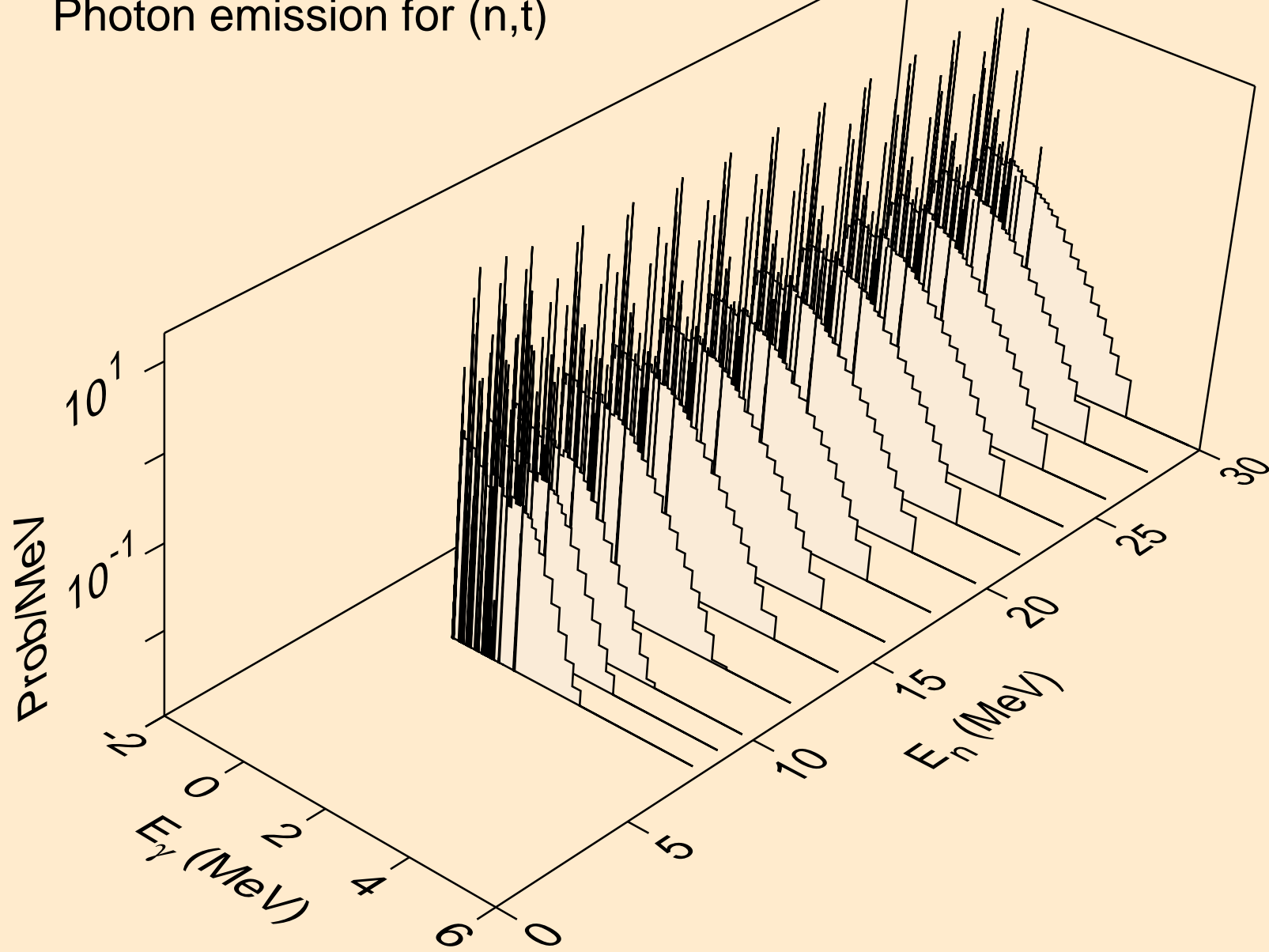
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



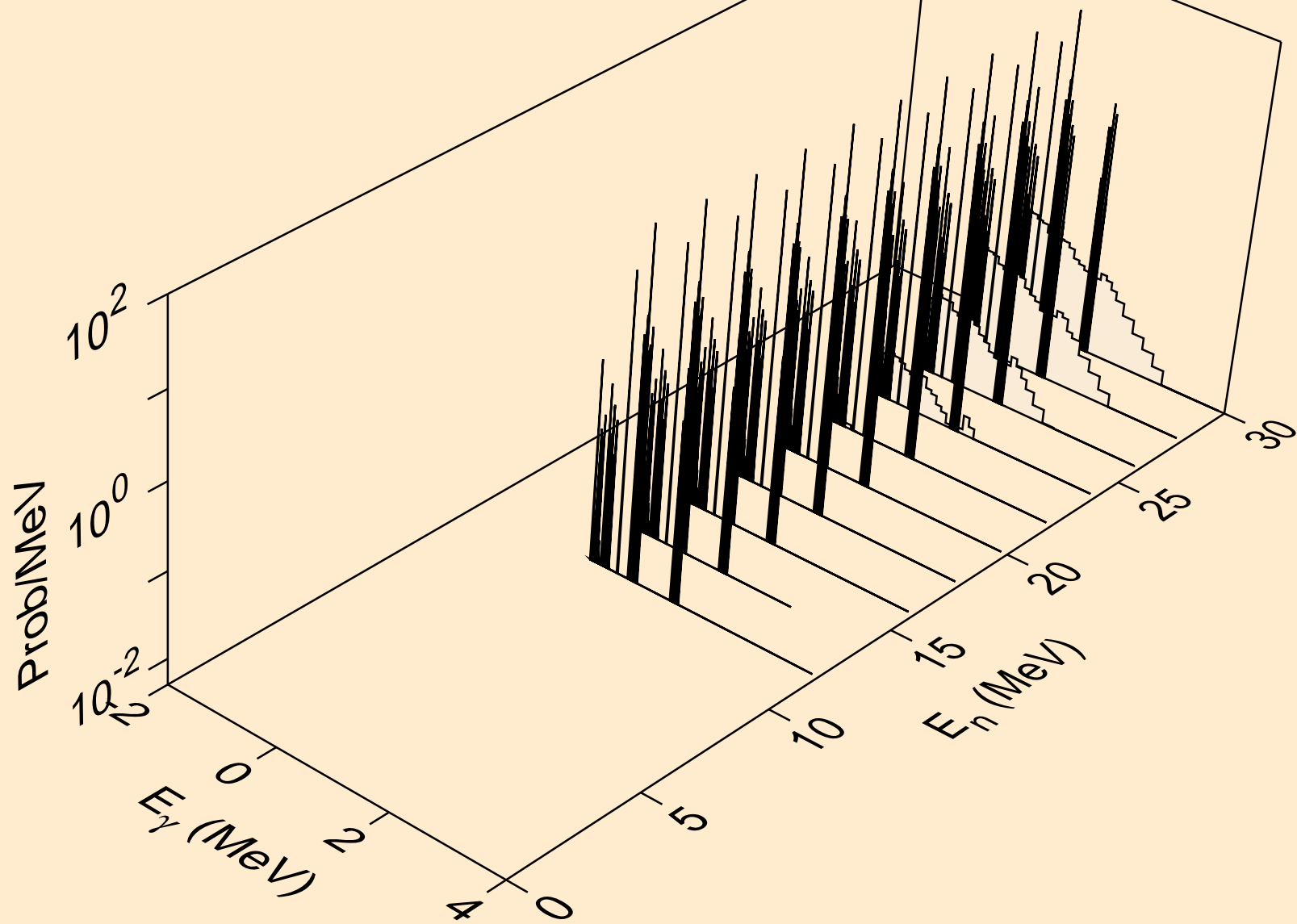
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



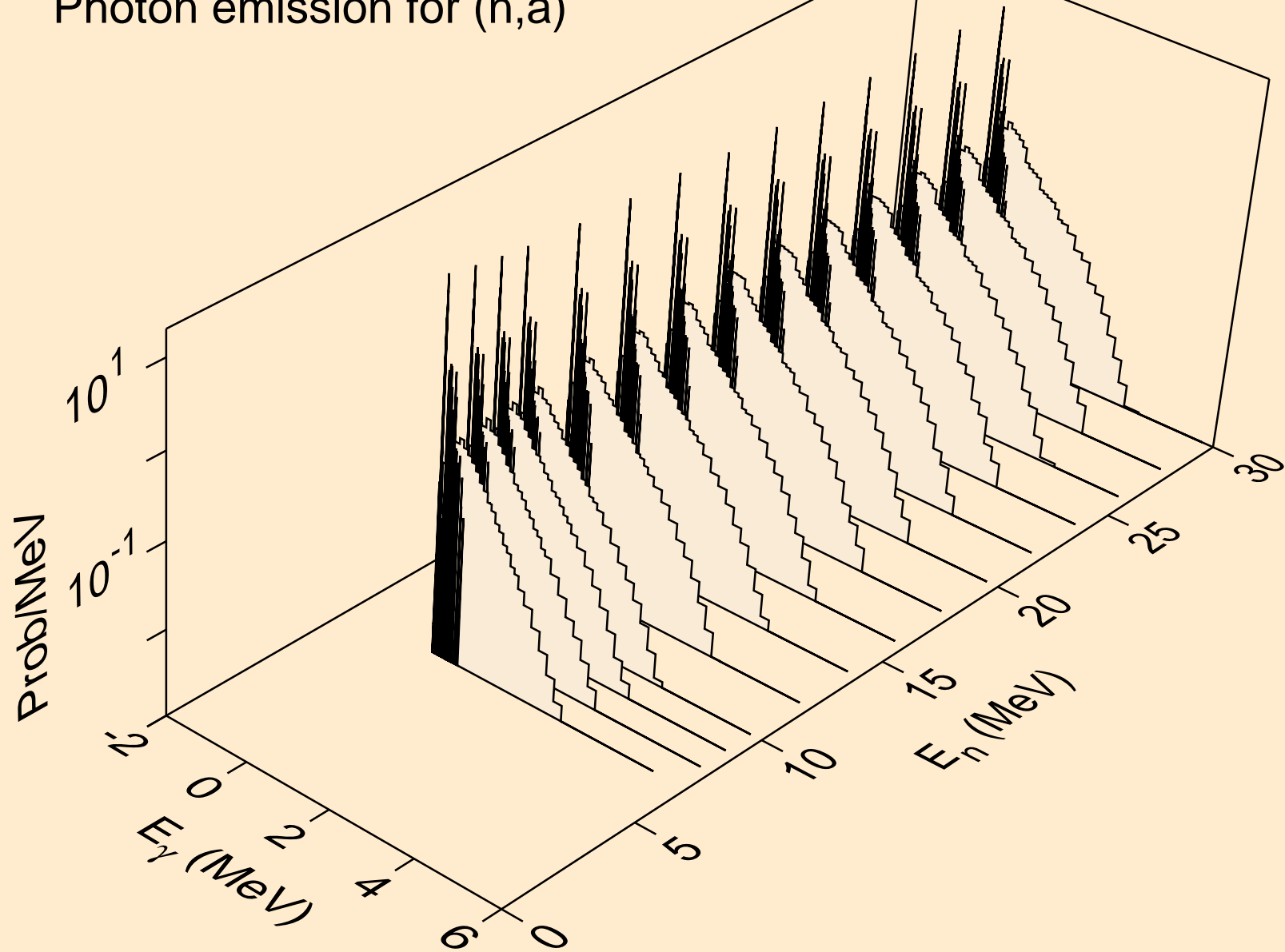
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



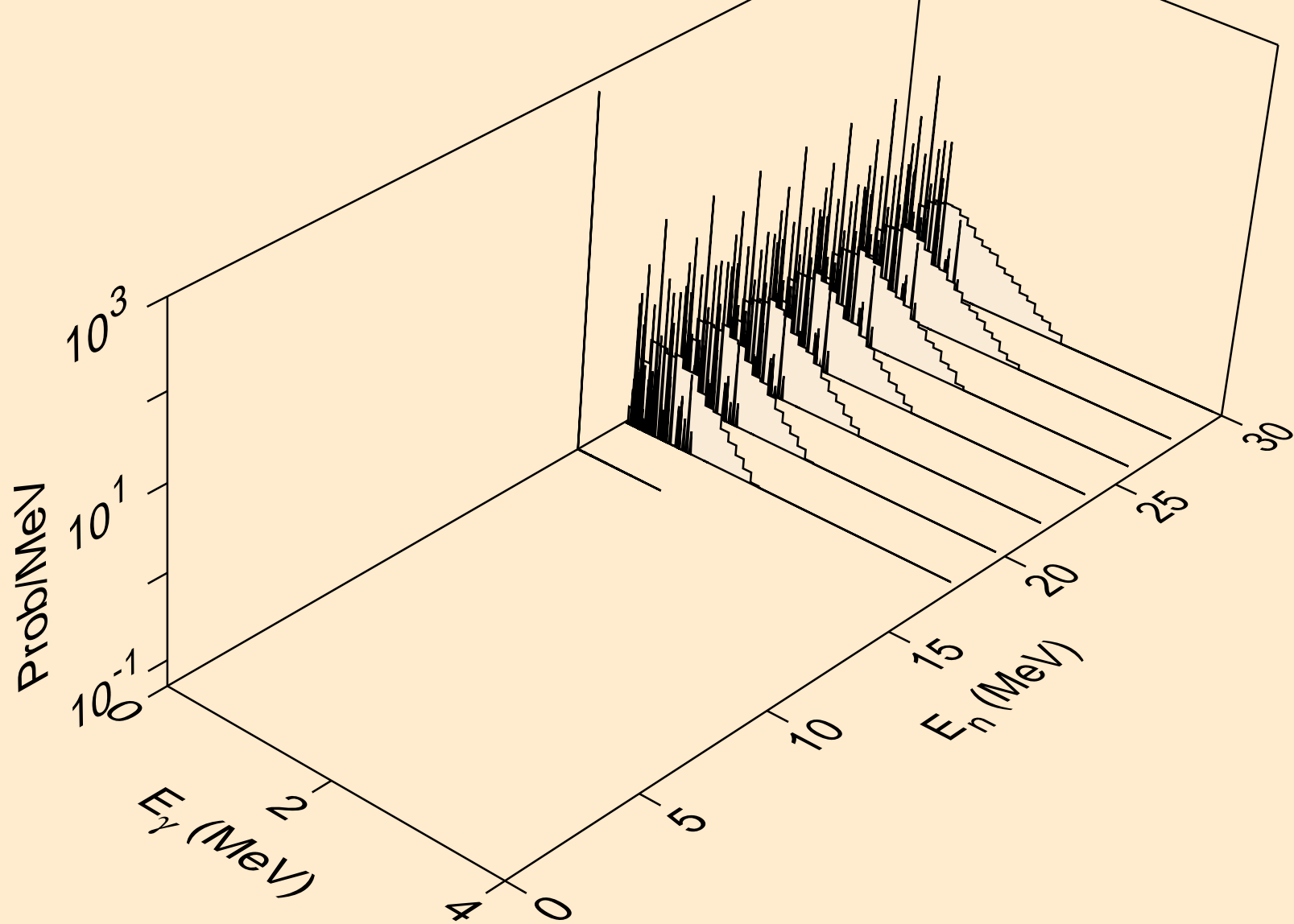
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for inelastic



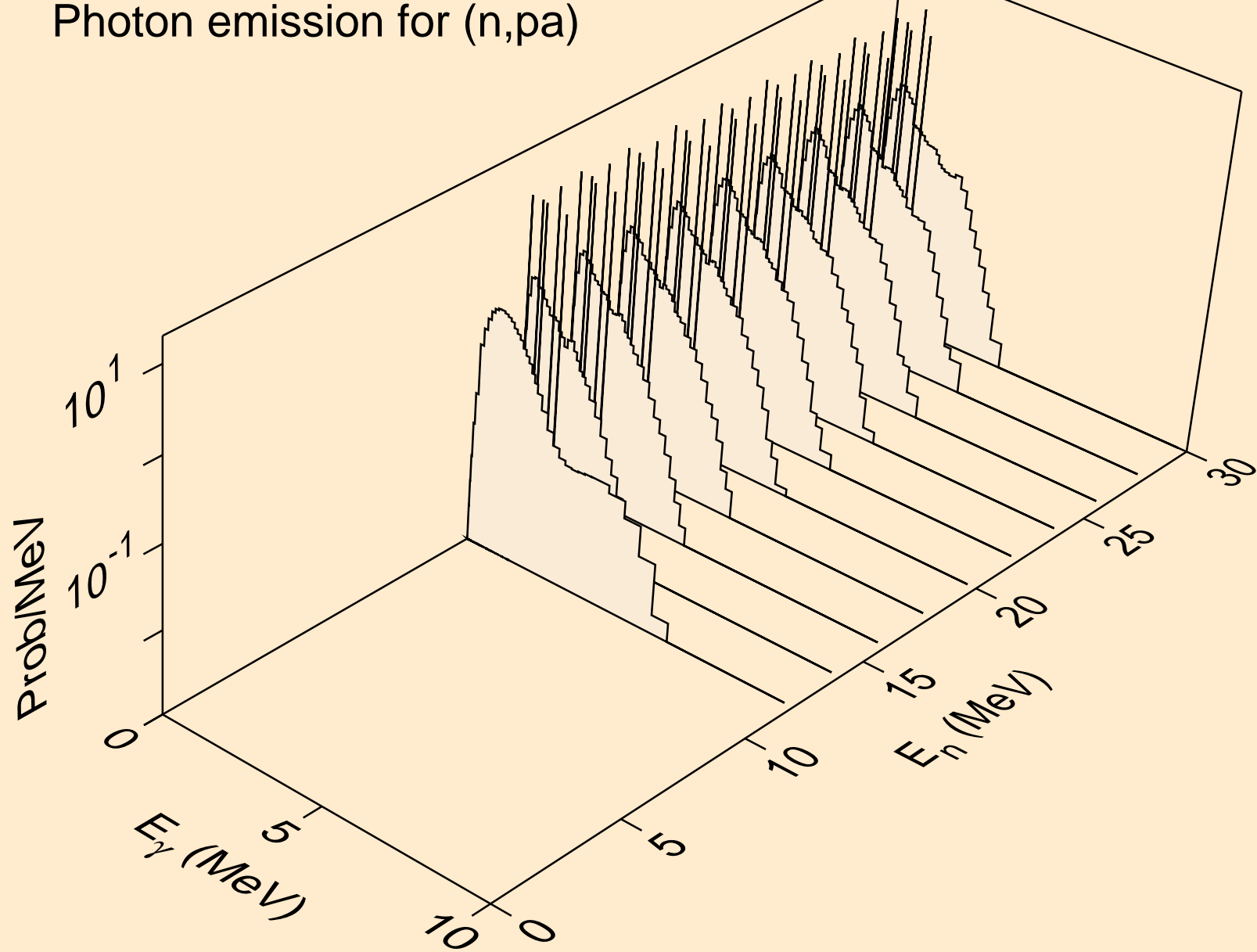
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



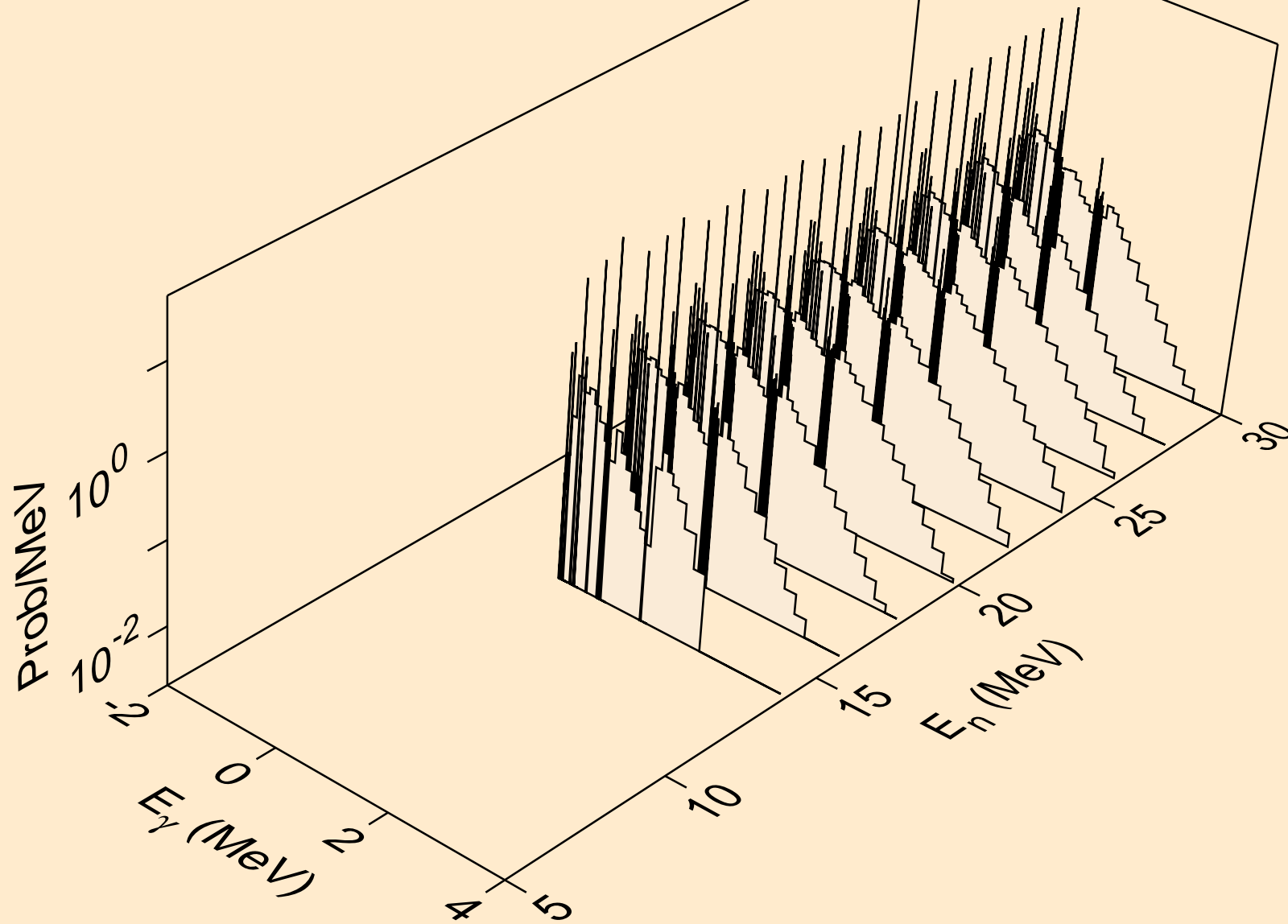
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



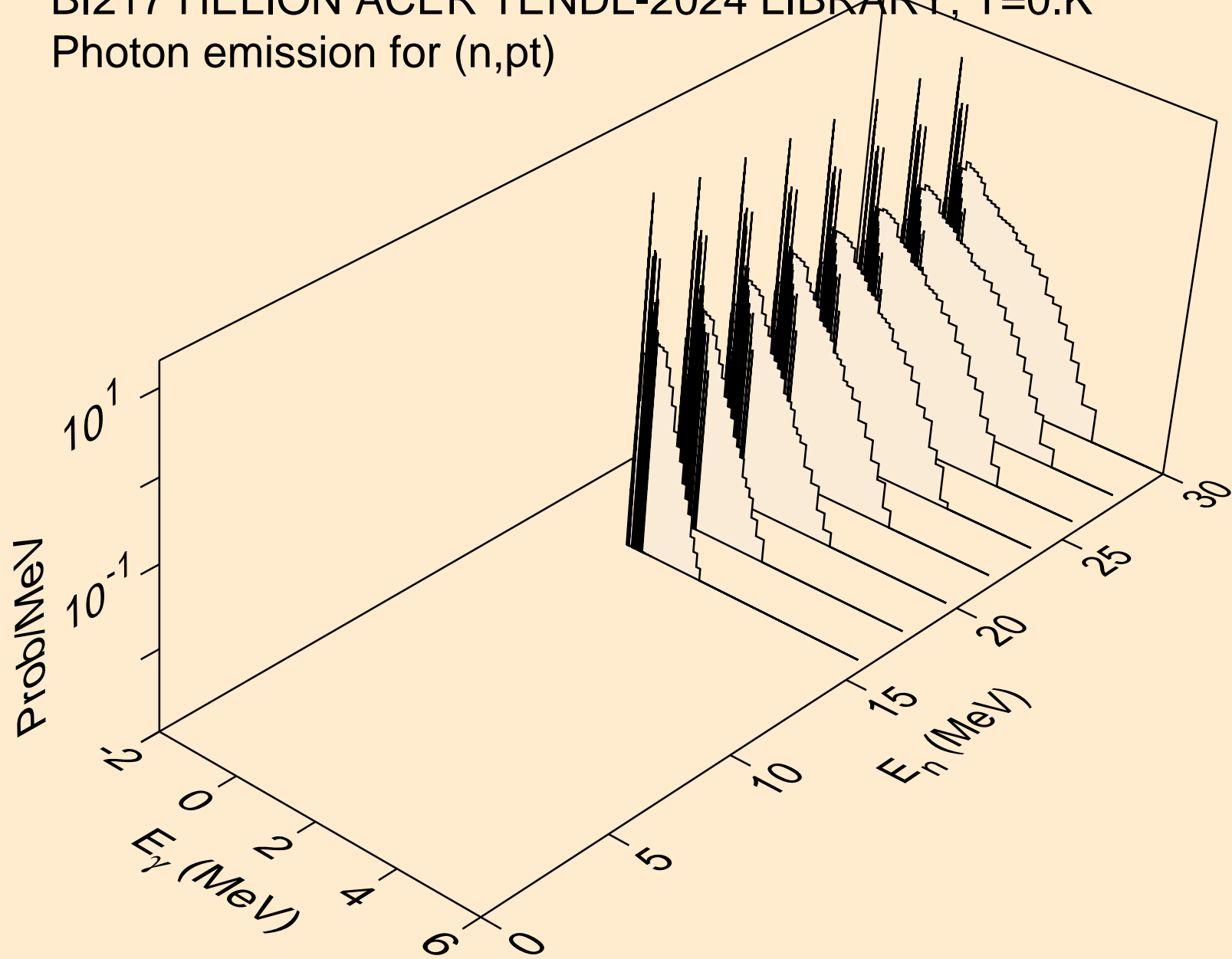
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pa)



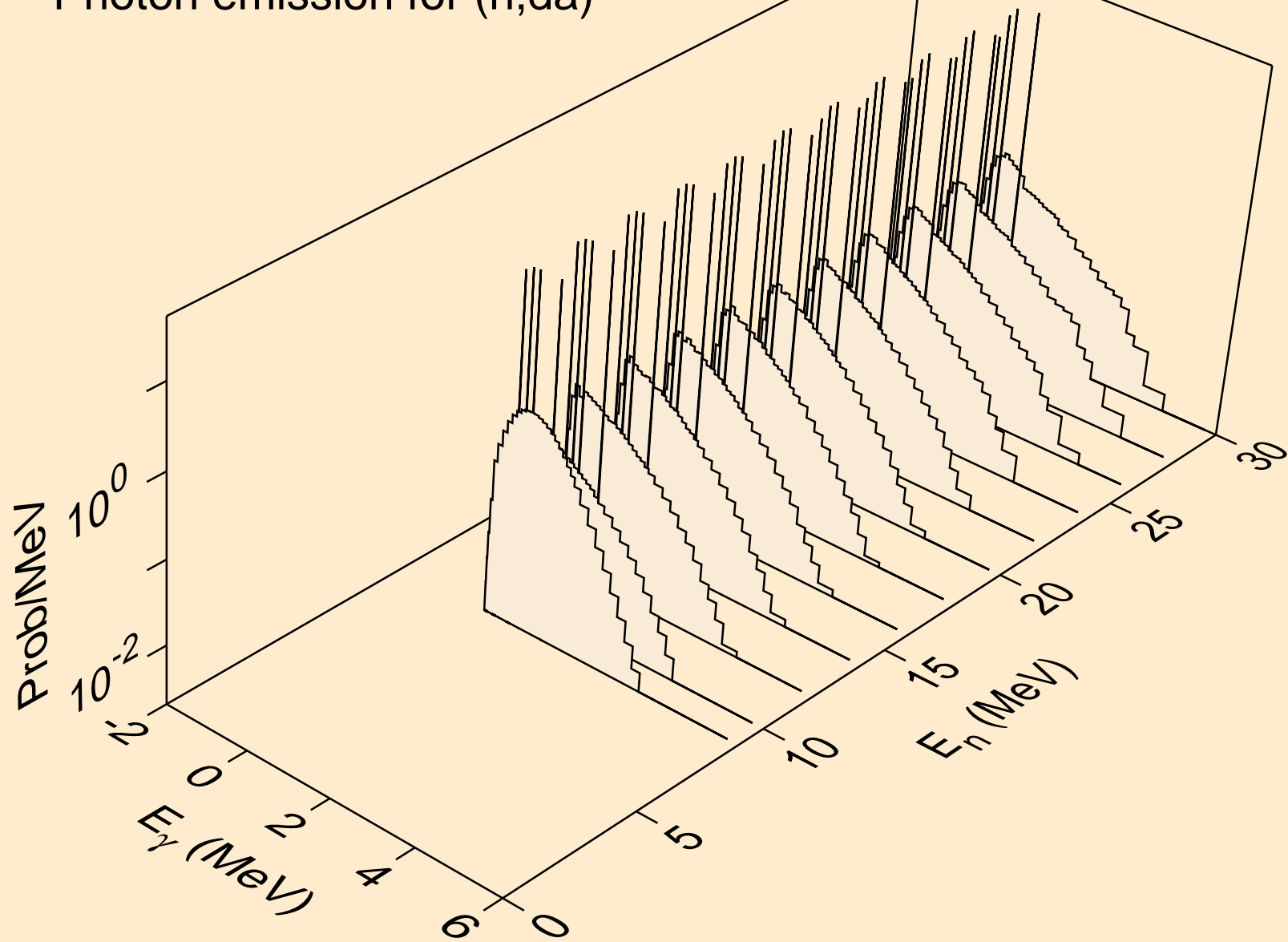
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)

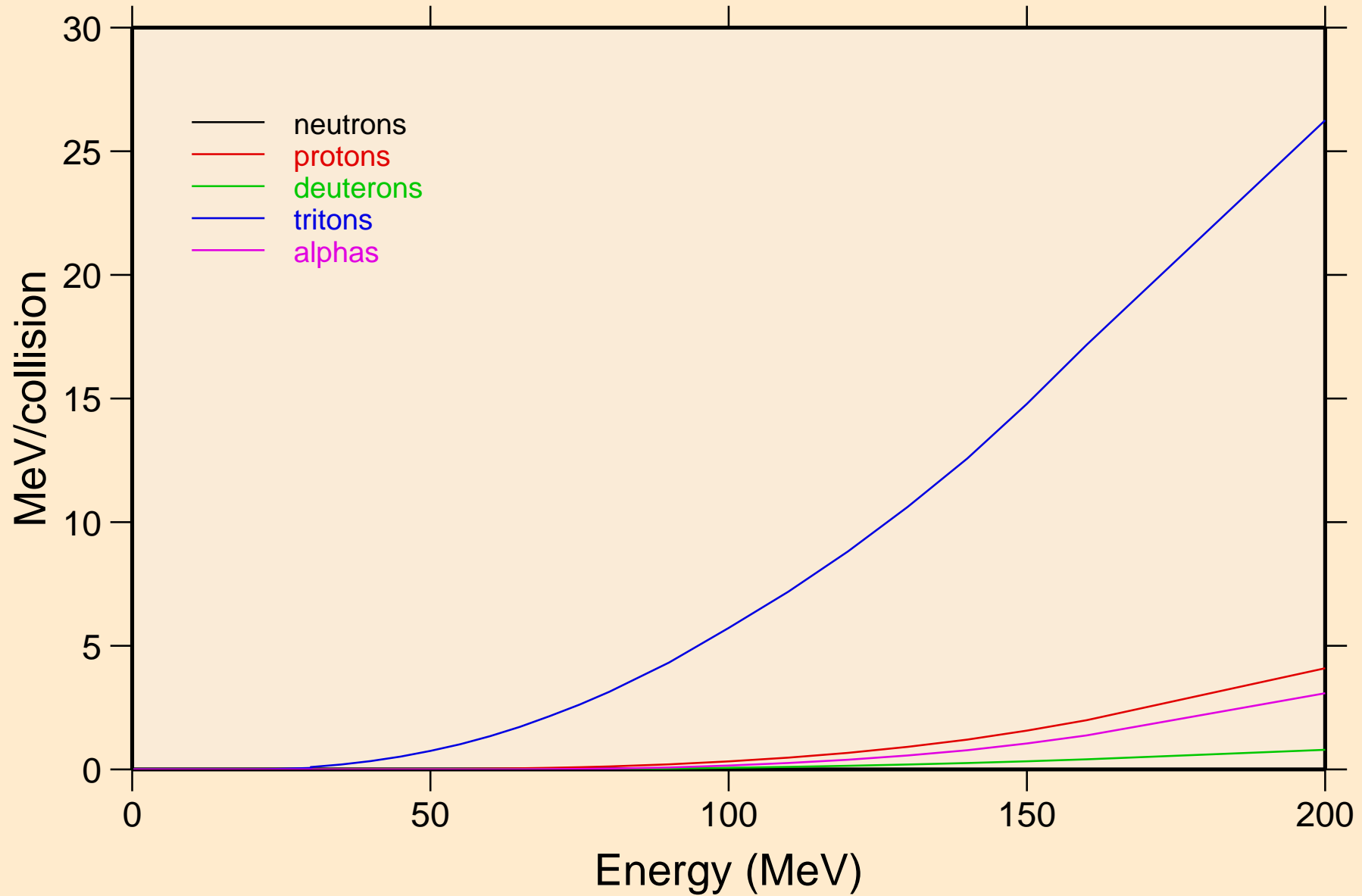


BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



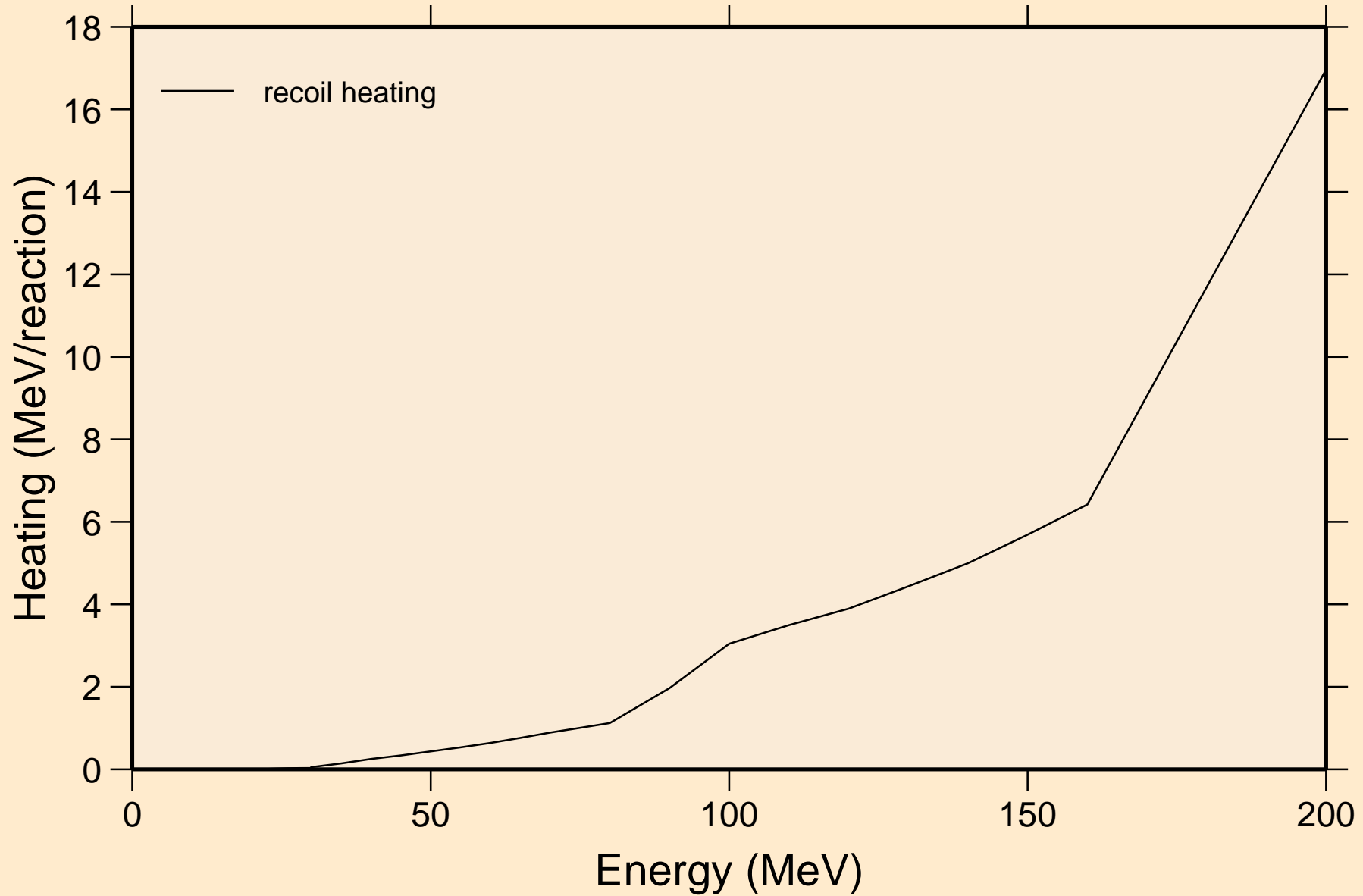
# BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions

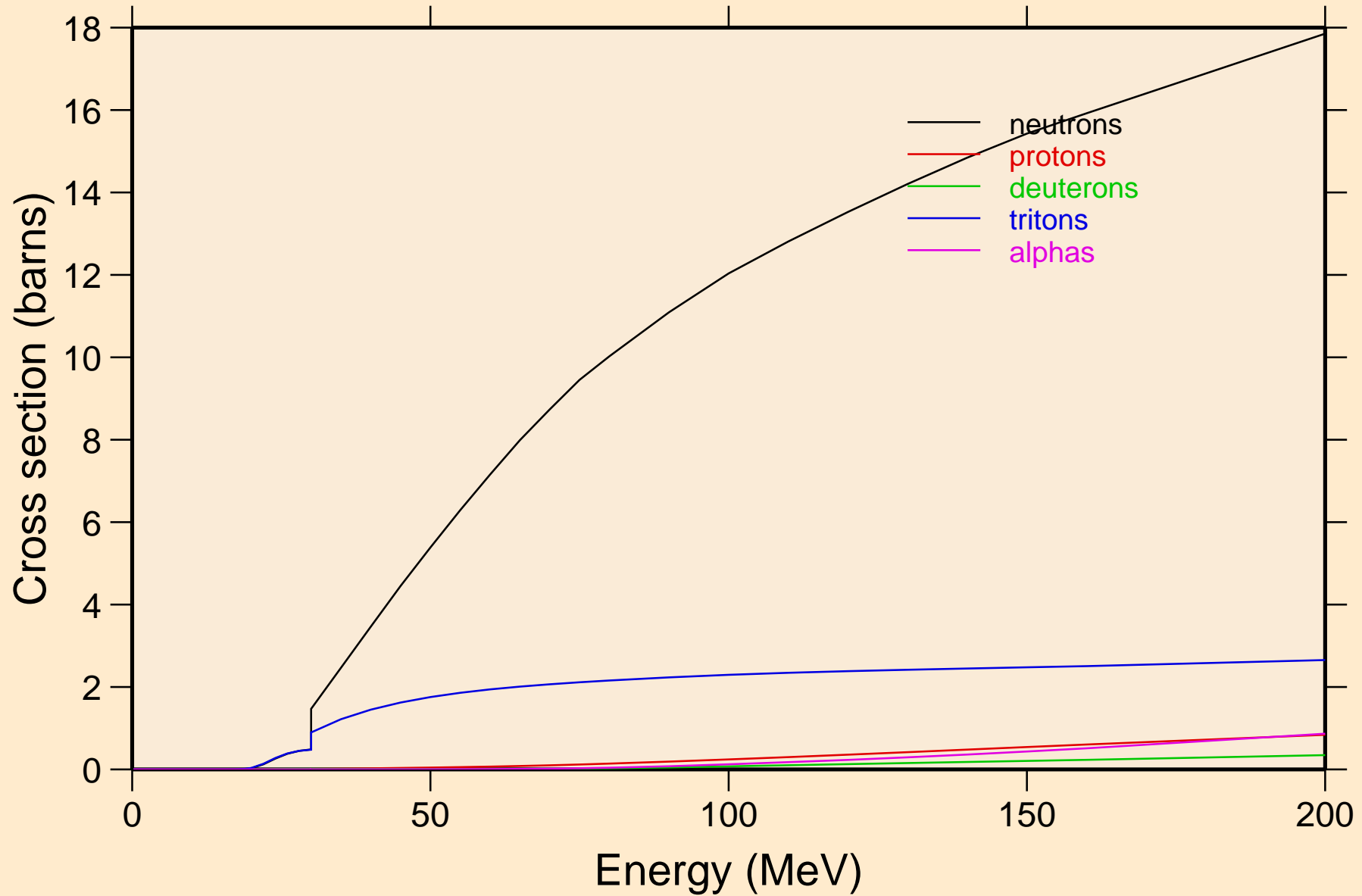


BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K

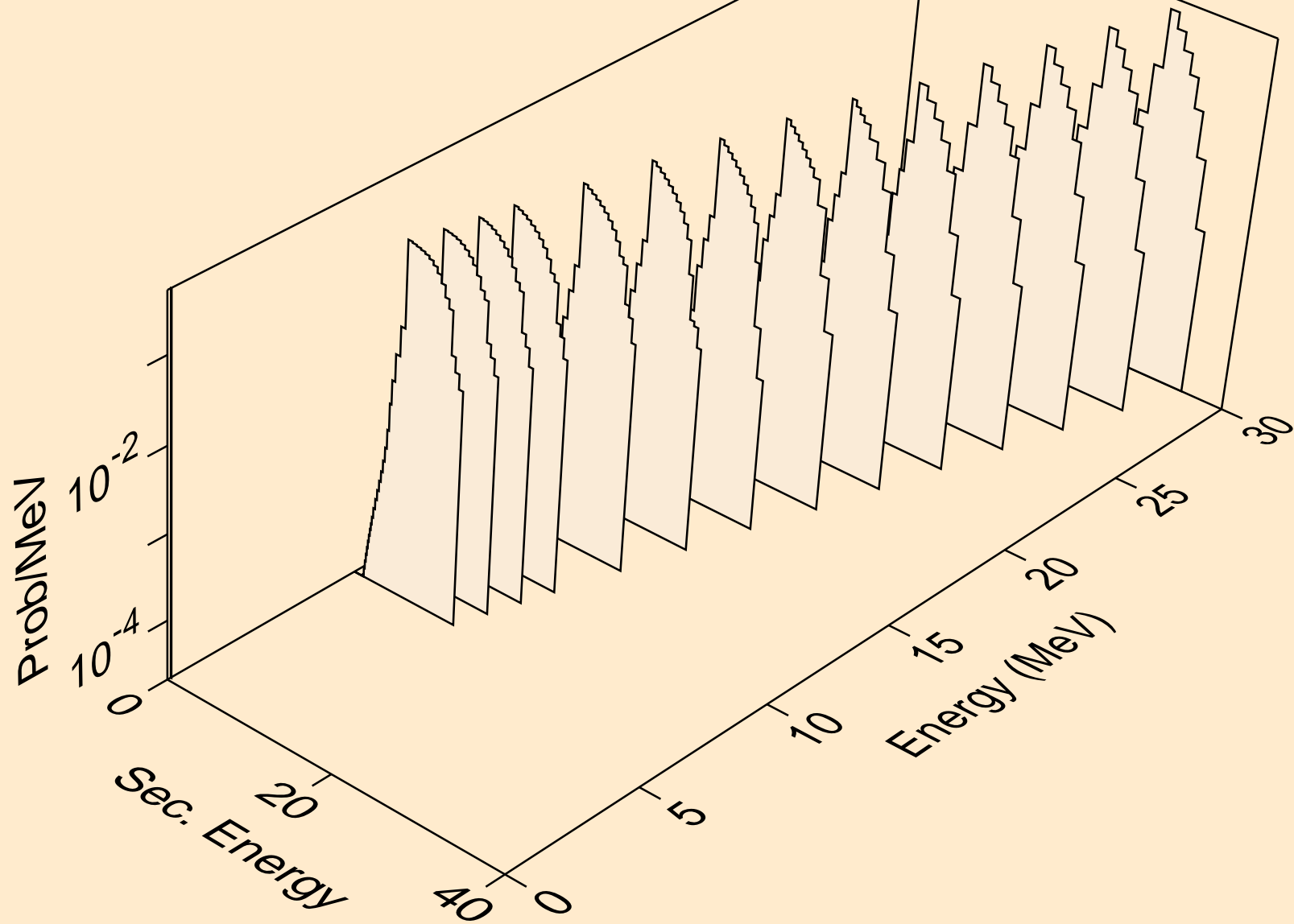
### Recoil Heating



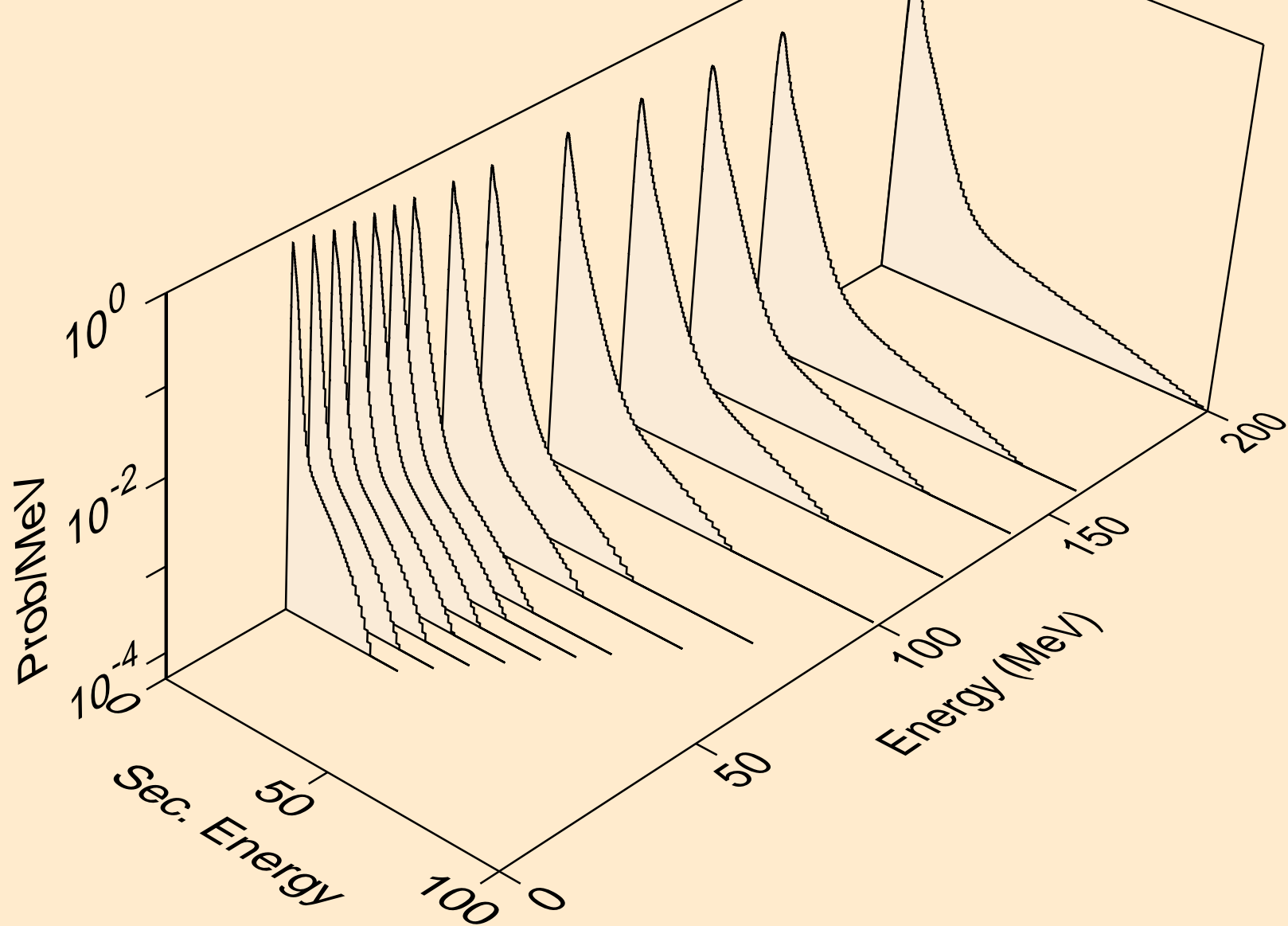
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections



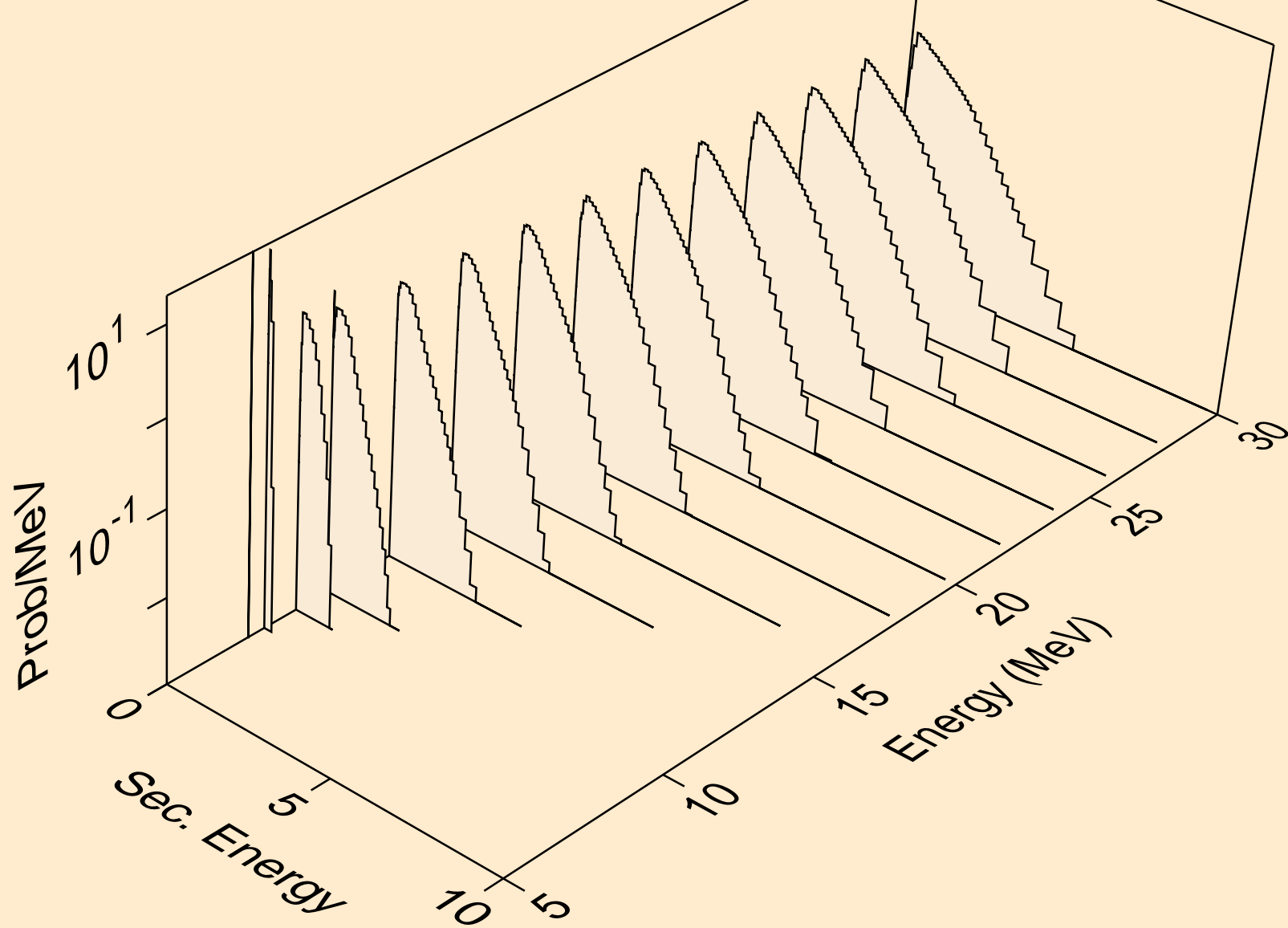
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n)



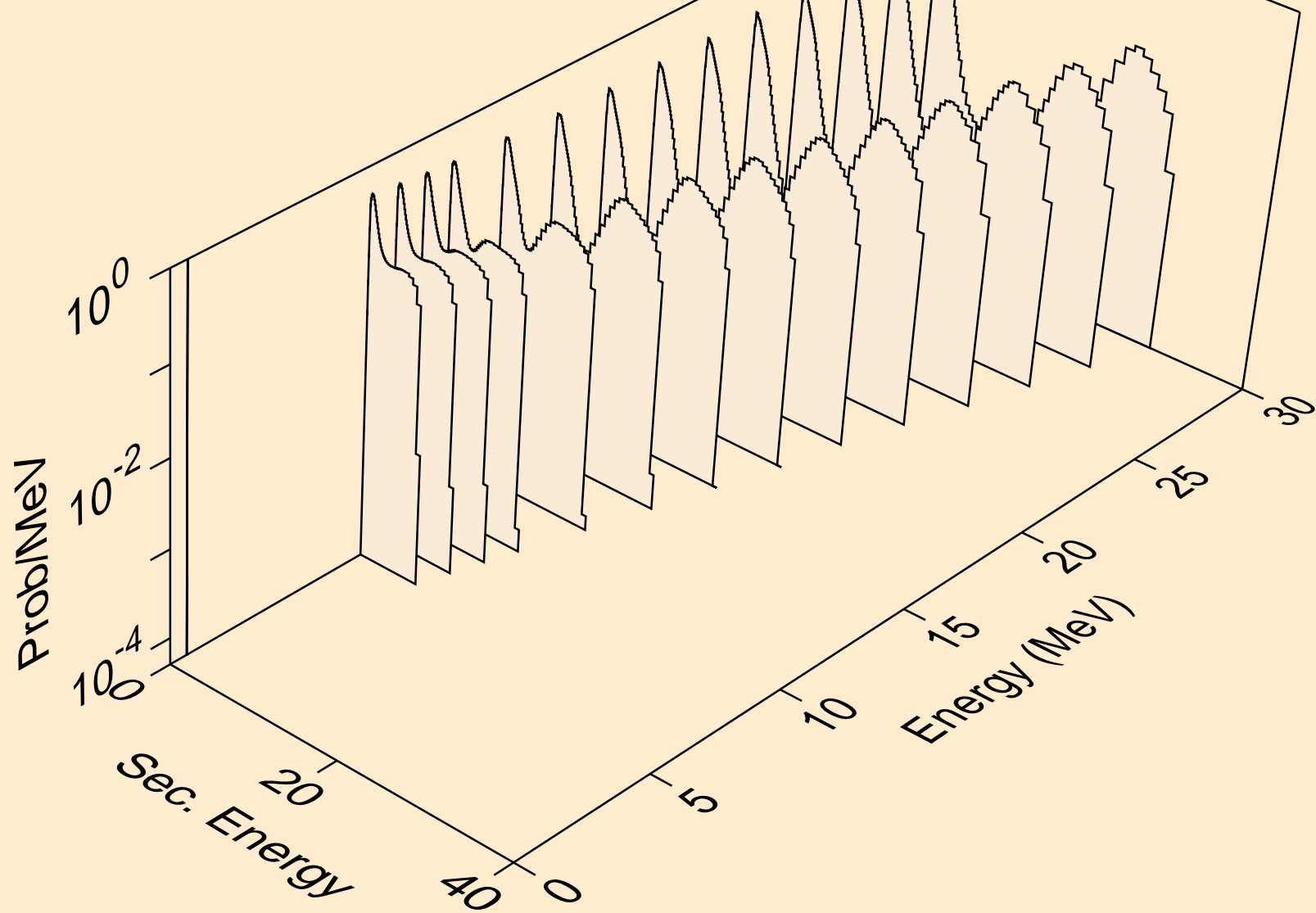
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,x)



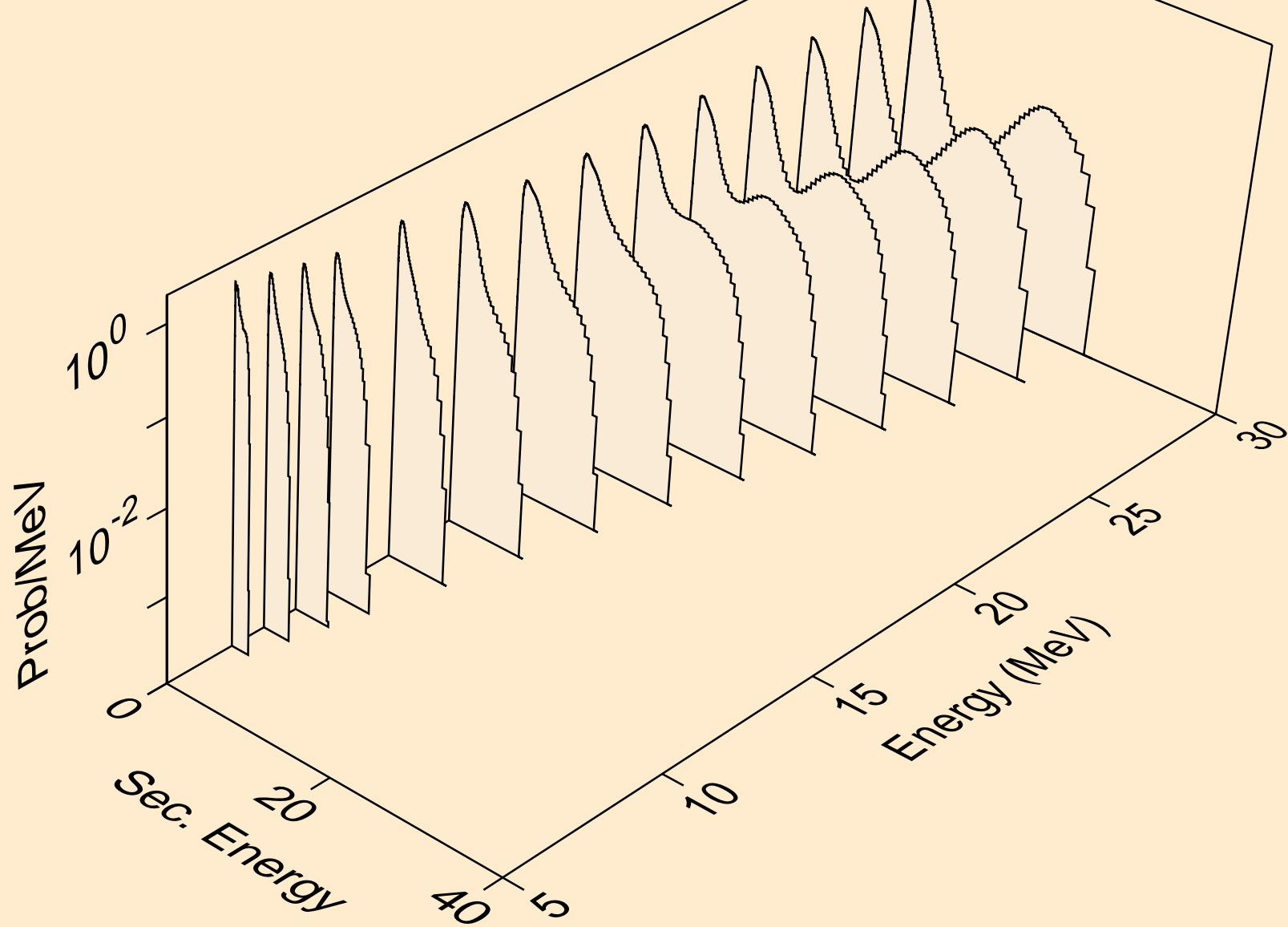
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,2nd)



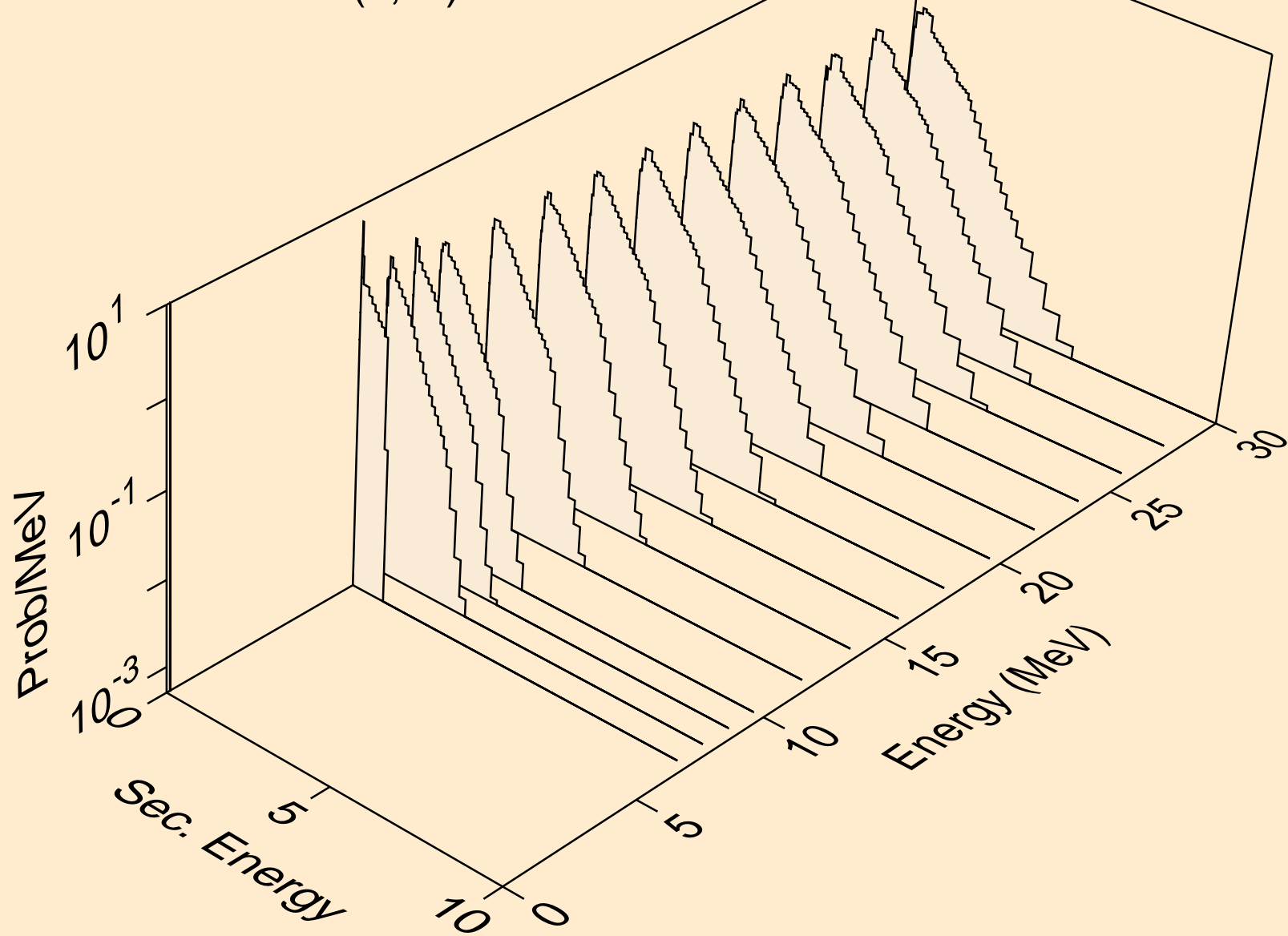
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,2n)



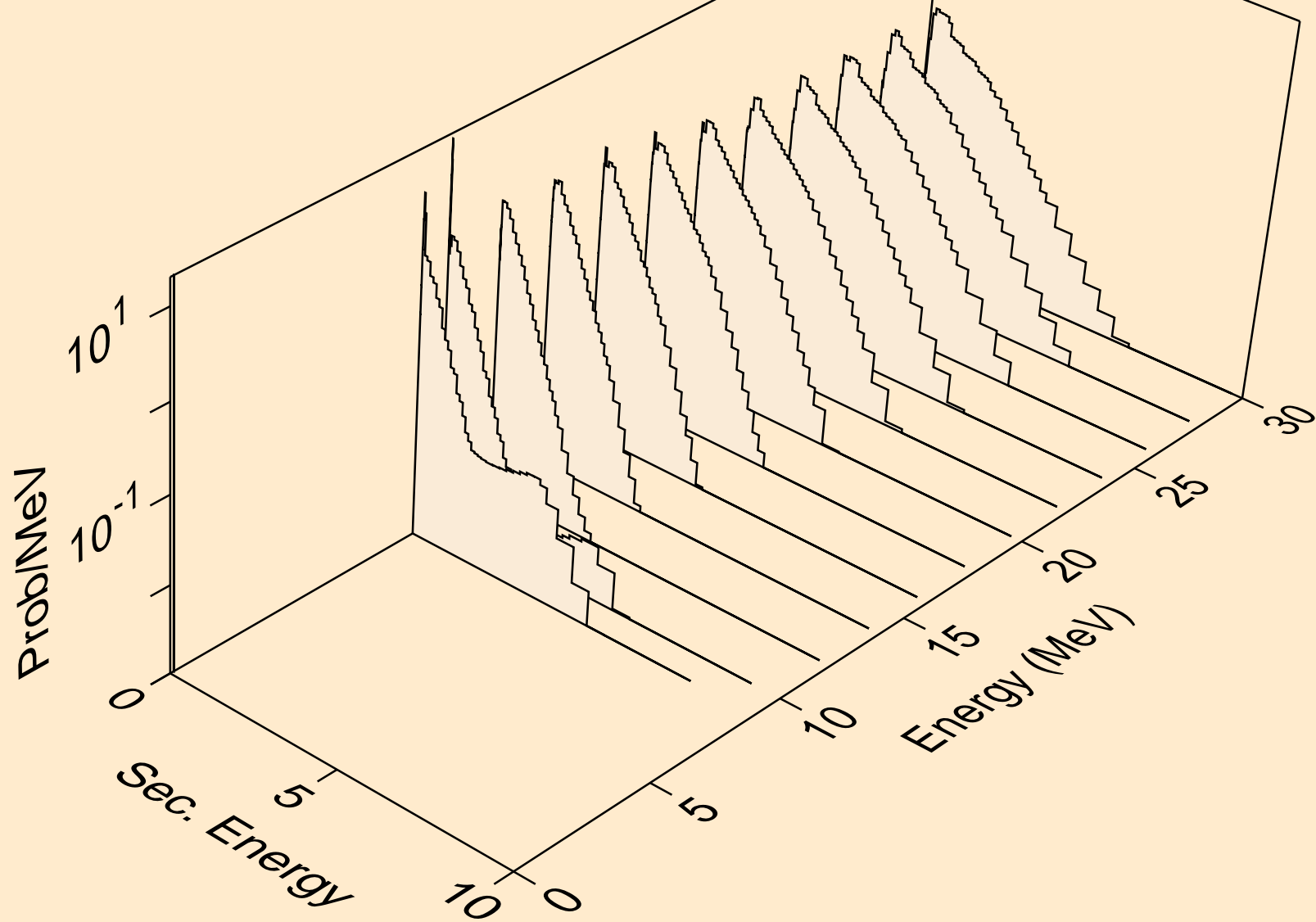
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,3n)



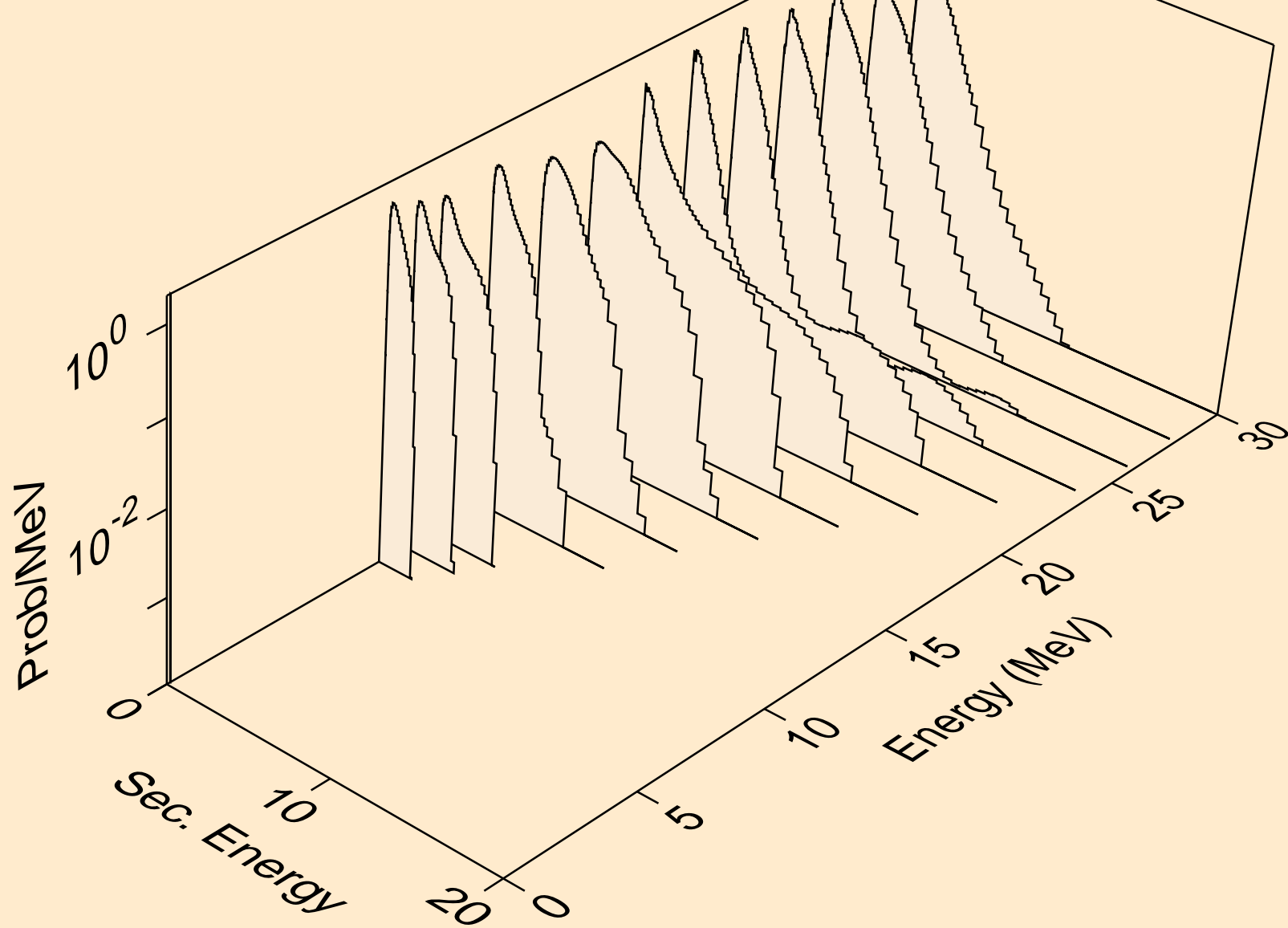
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)a



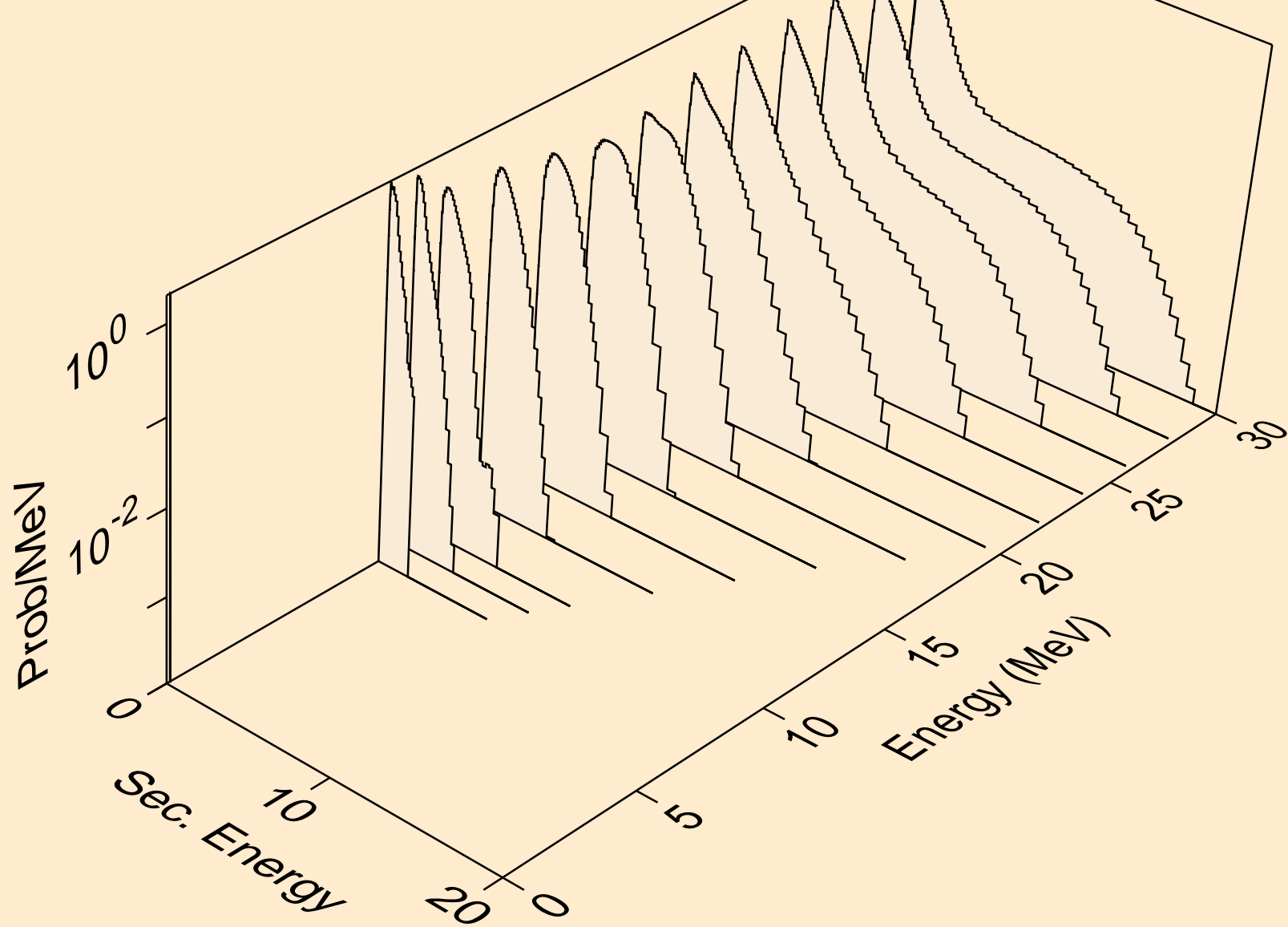
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,2n)a



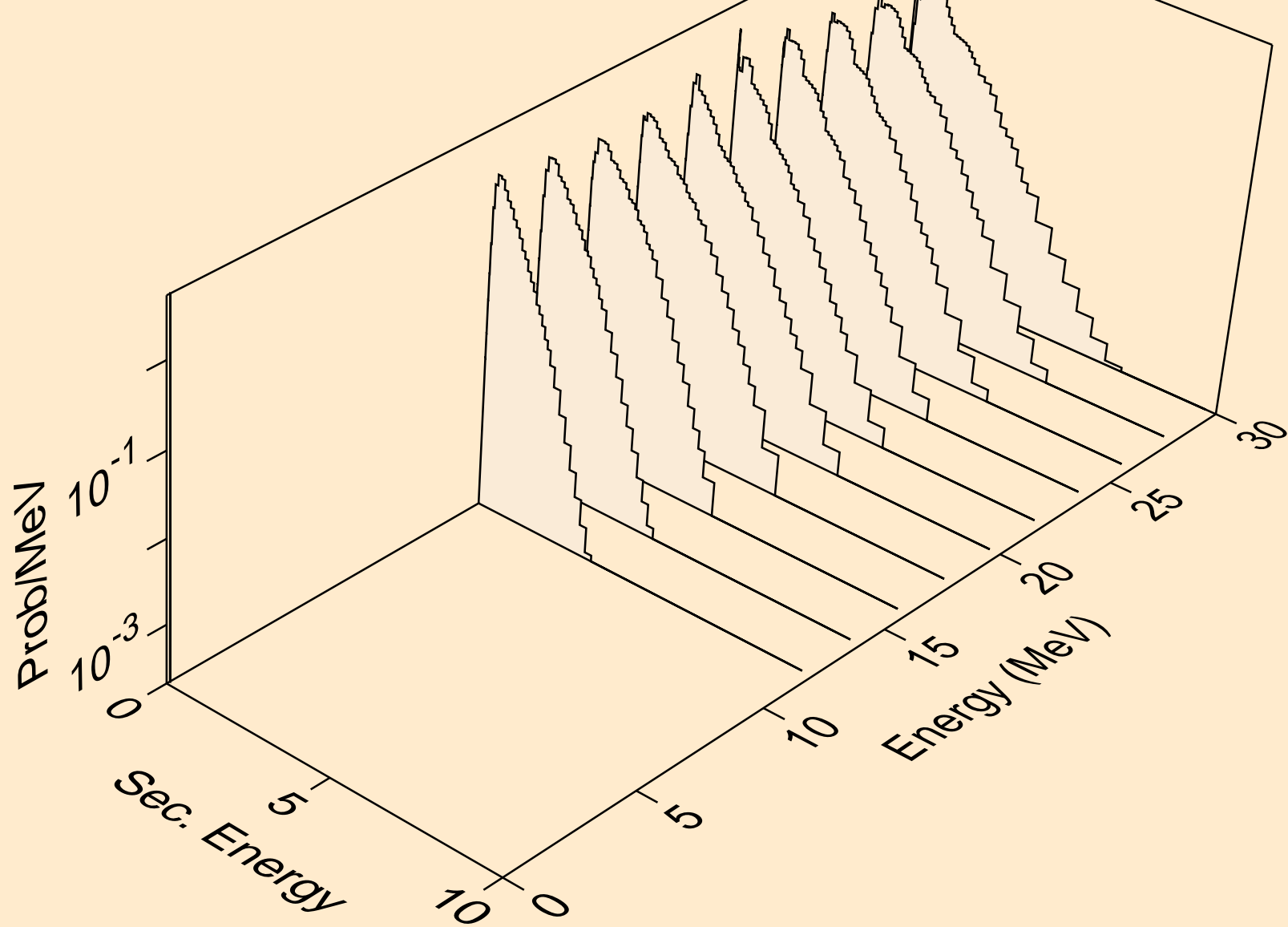
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,3n)a



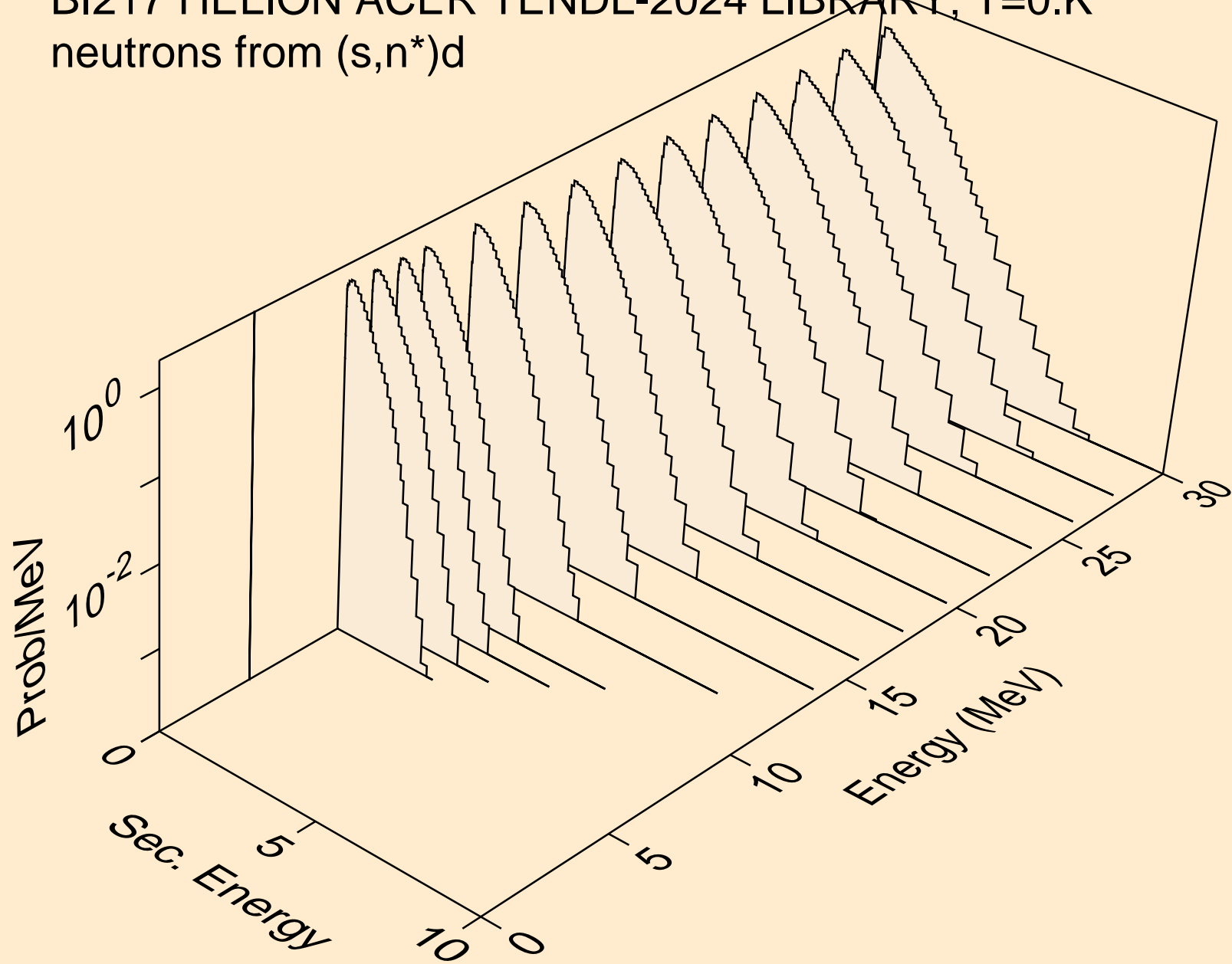
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)p



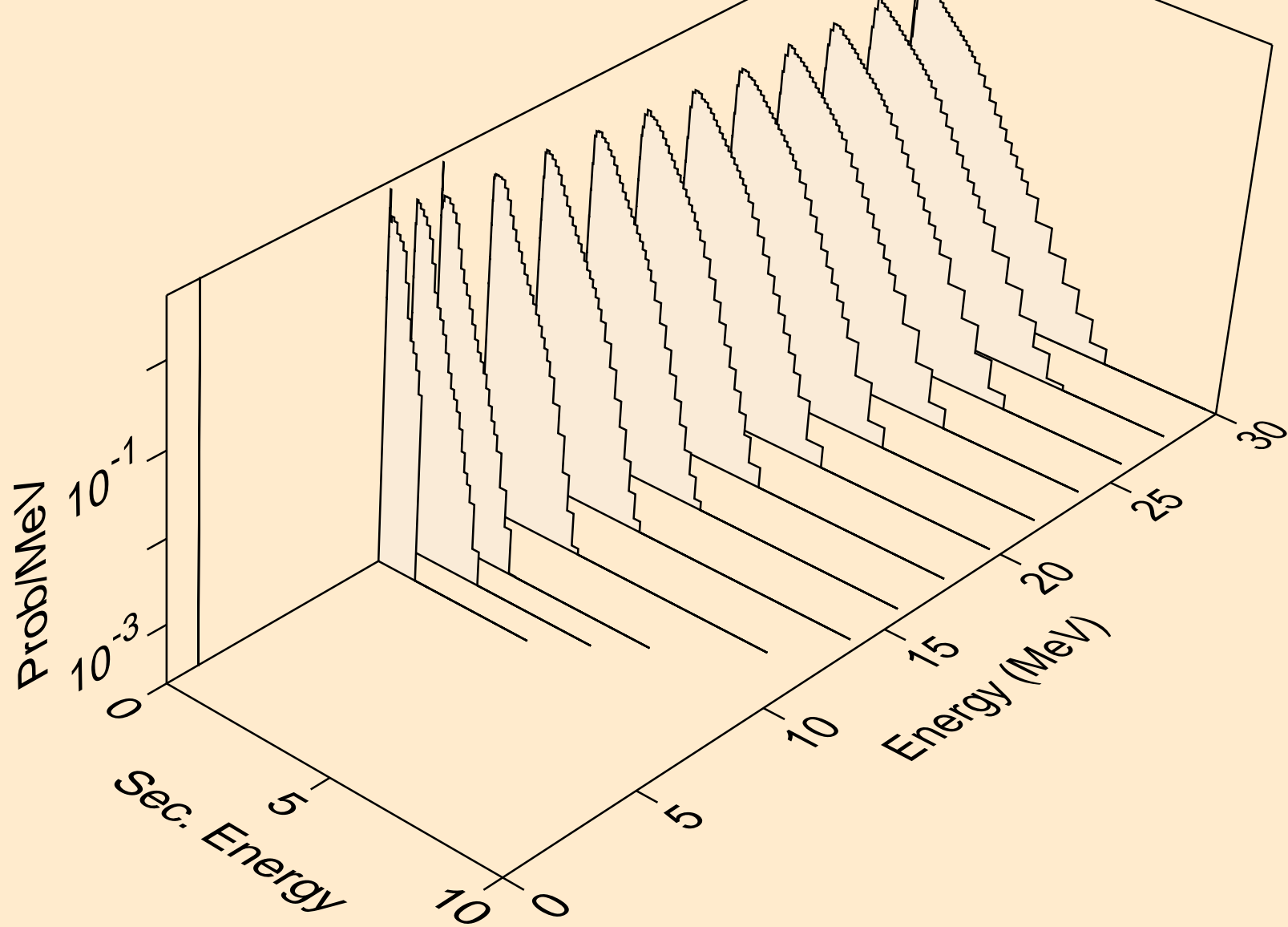
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)2a



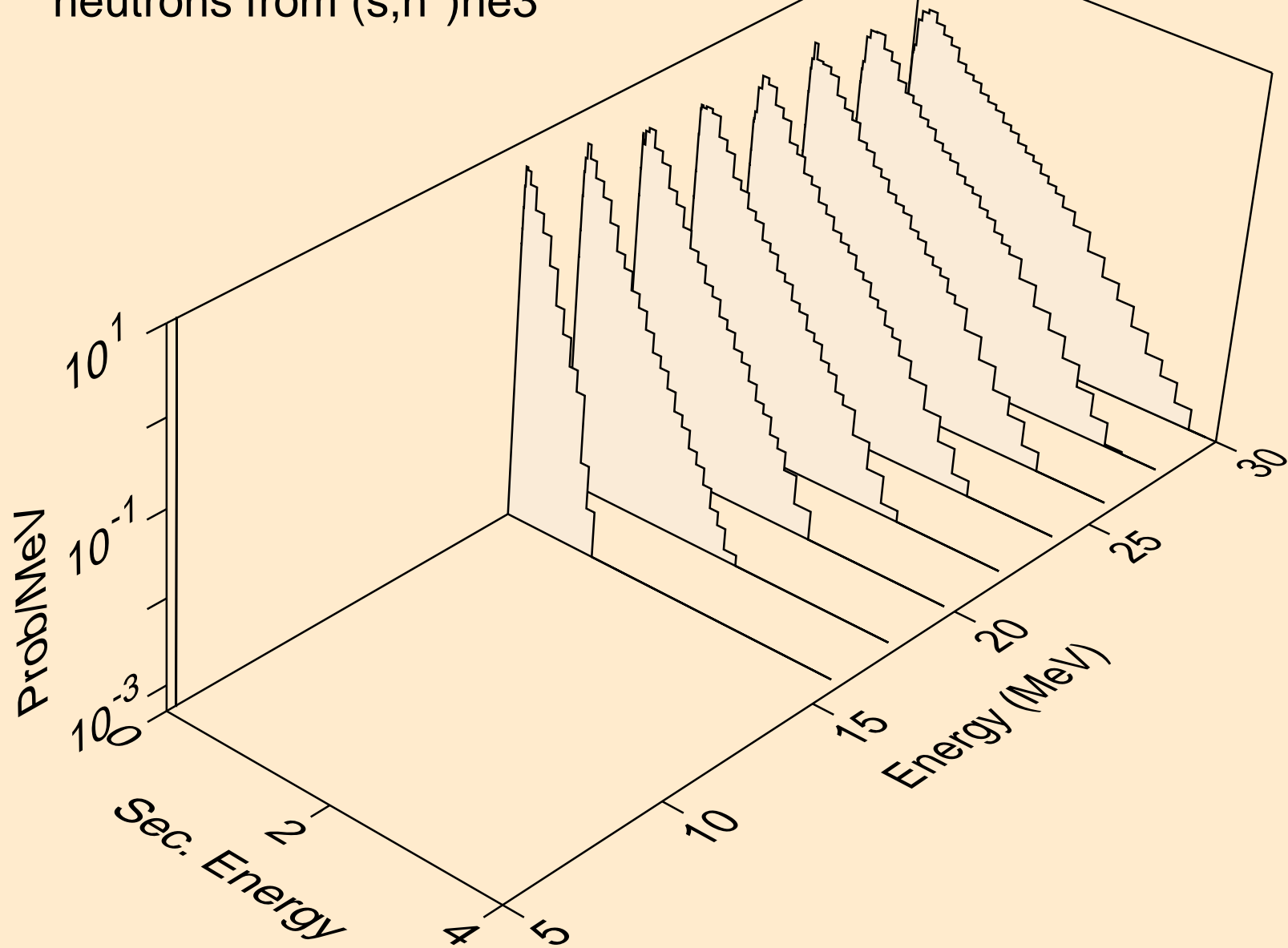
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)d



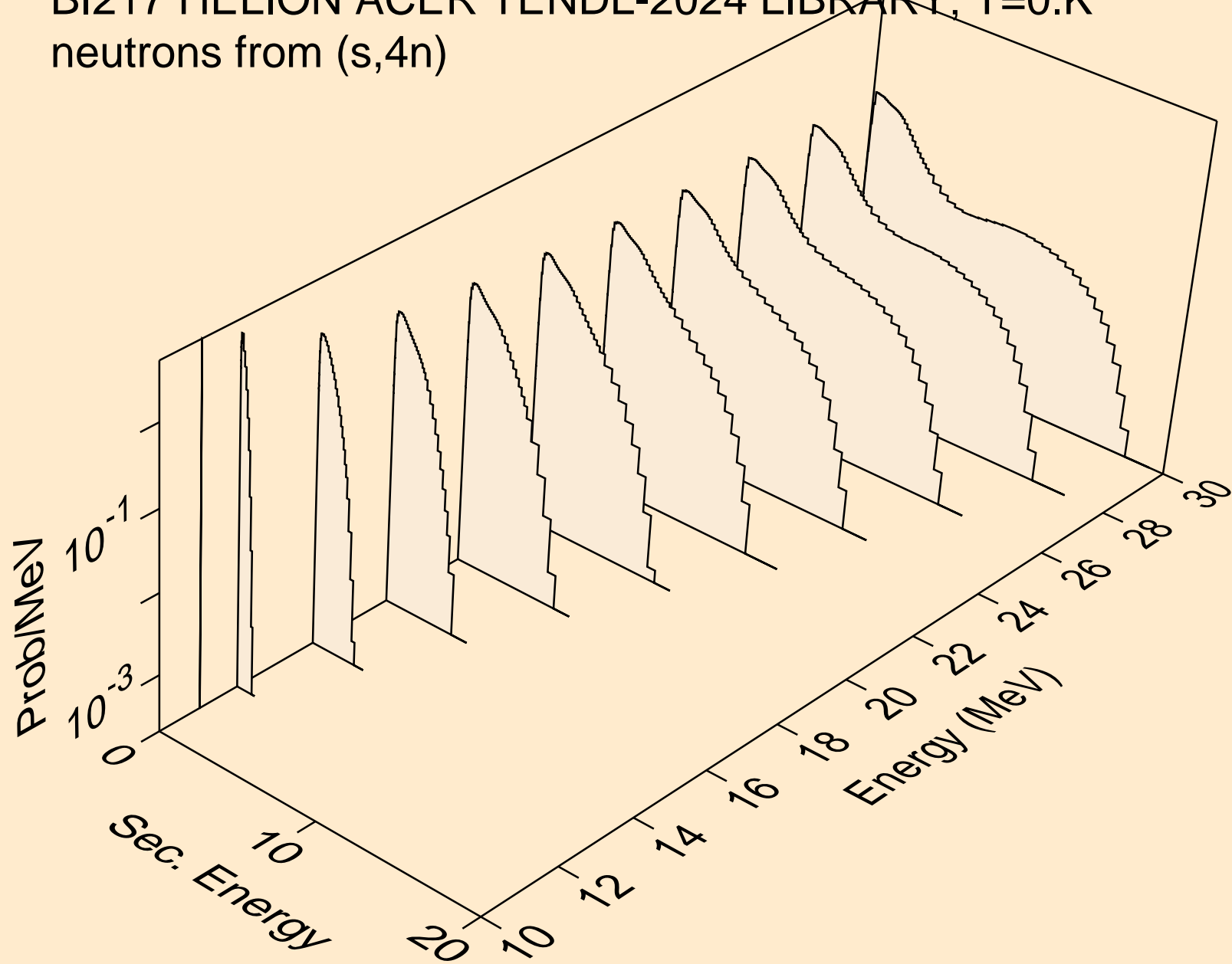
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)t



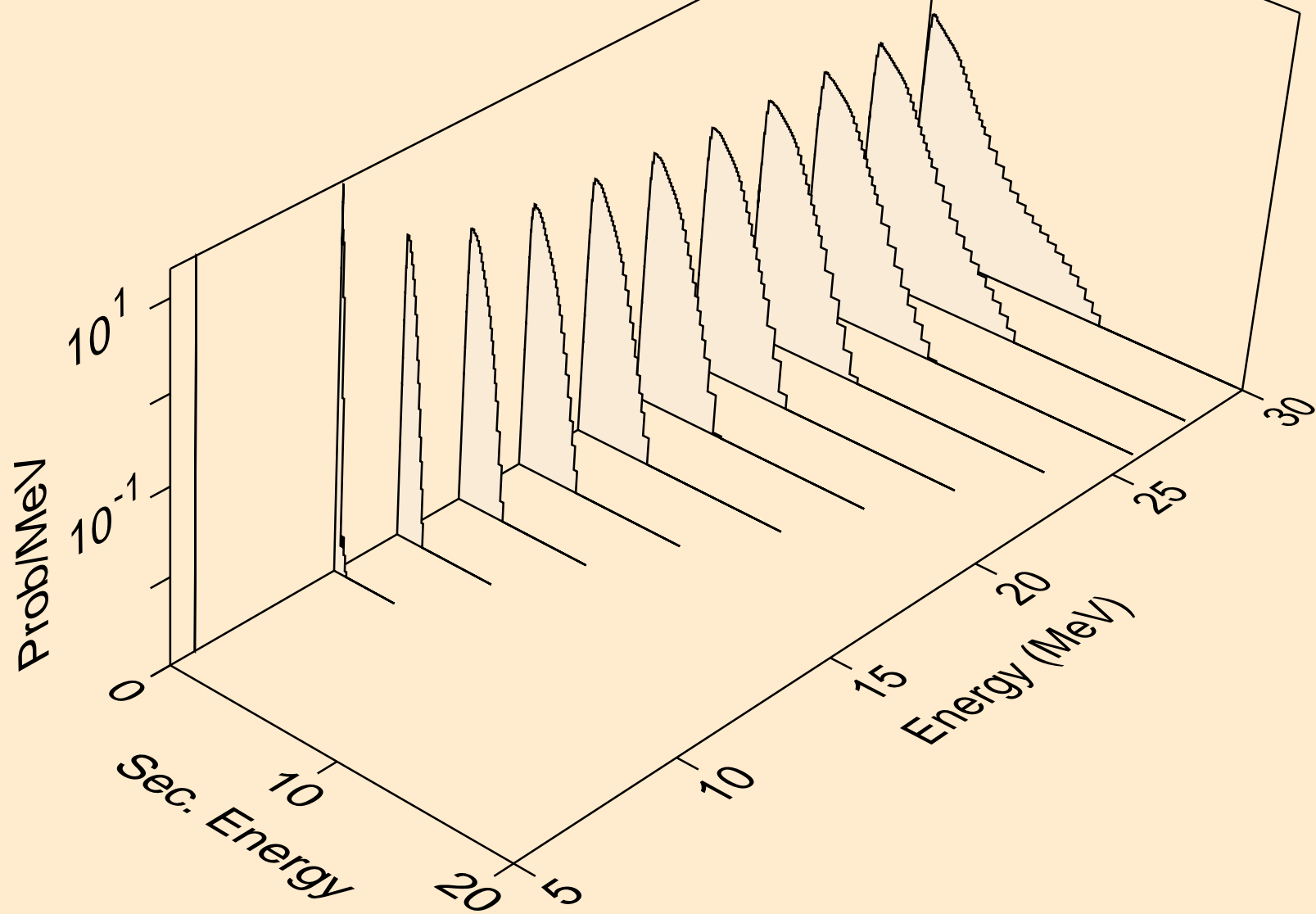
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)he3



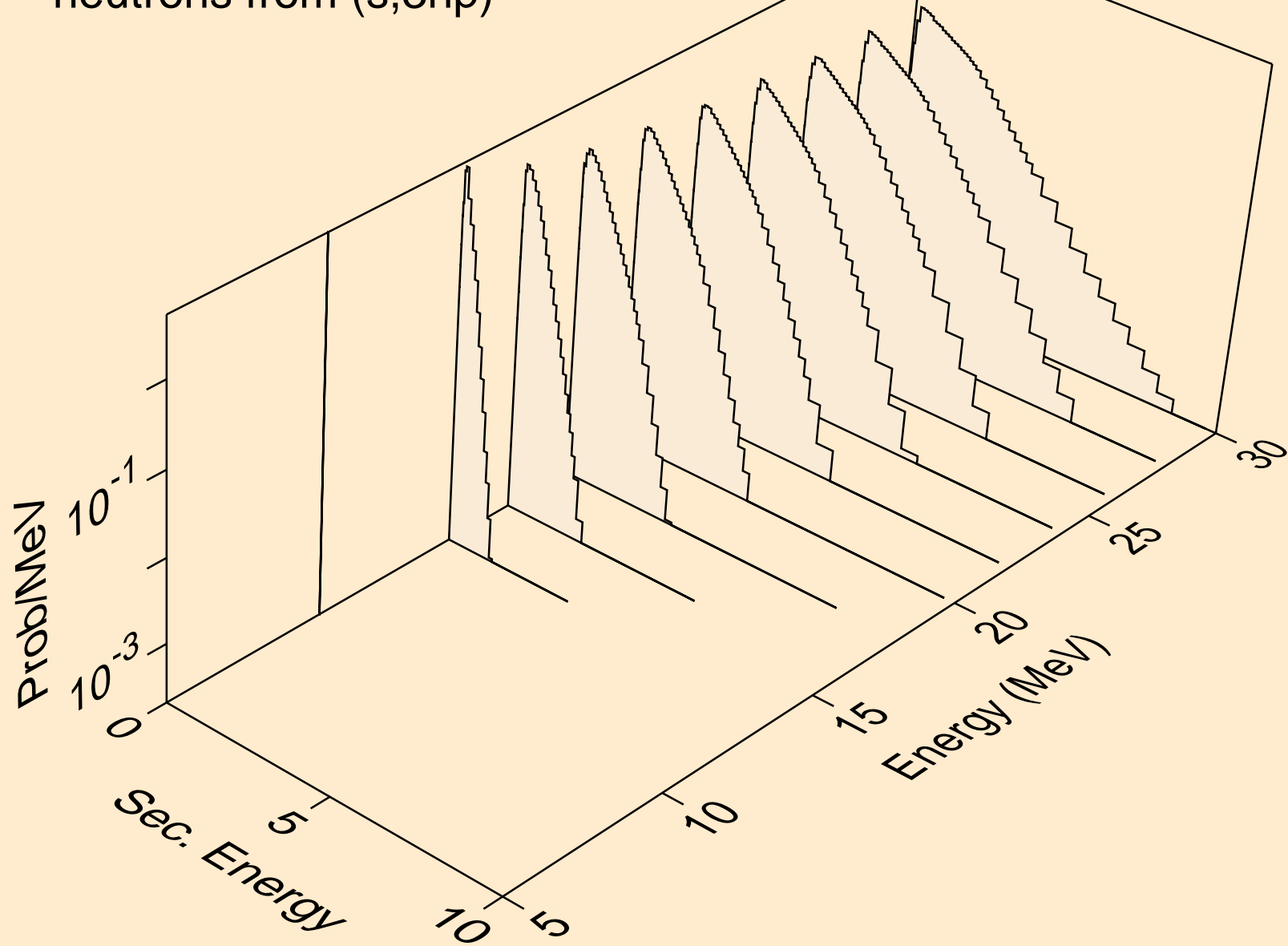
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,4n)



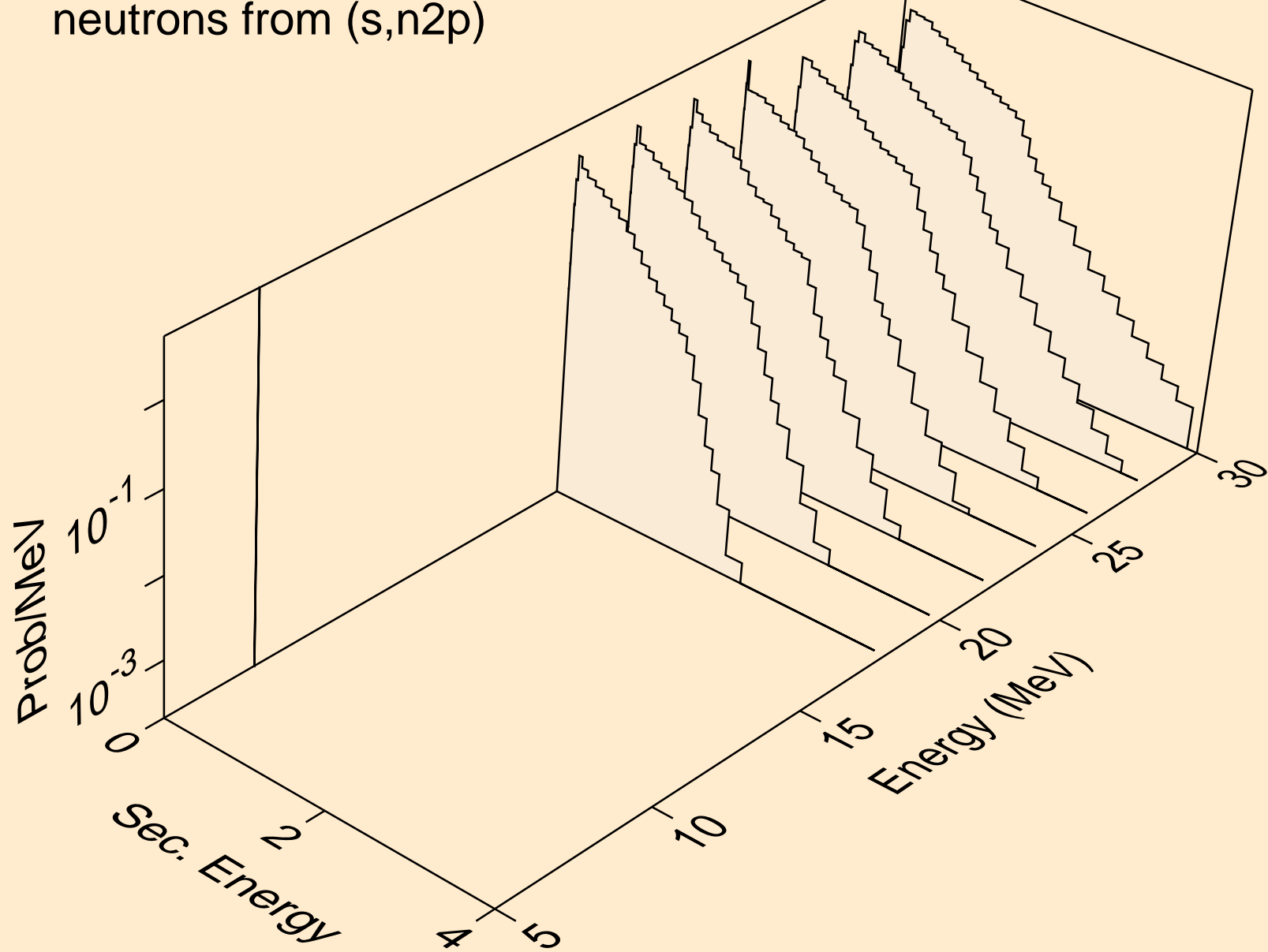
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,2np)



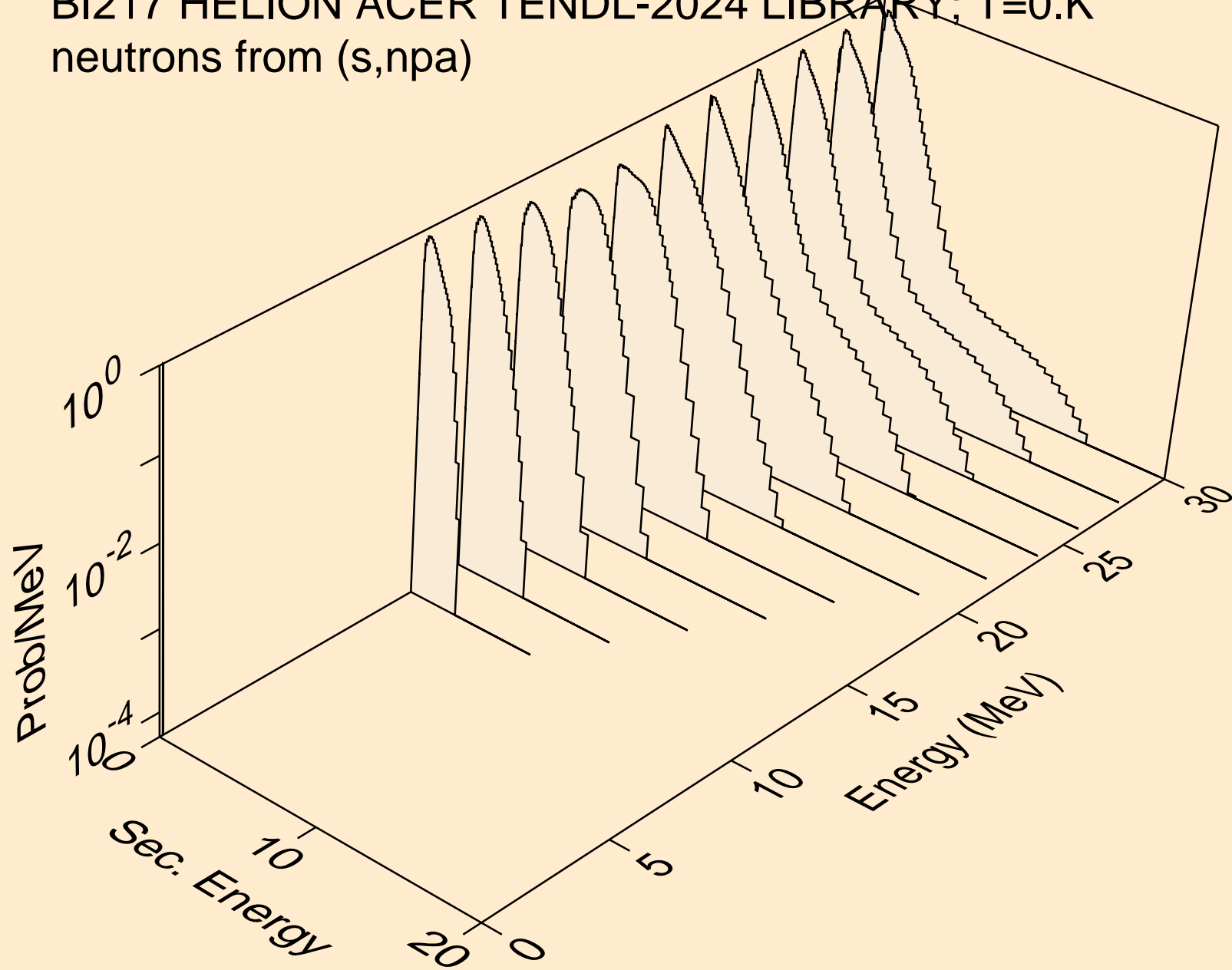
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,3np)



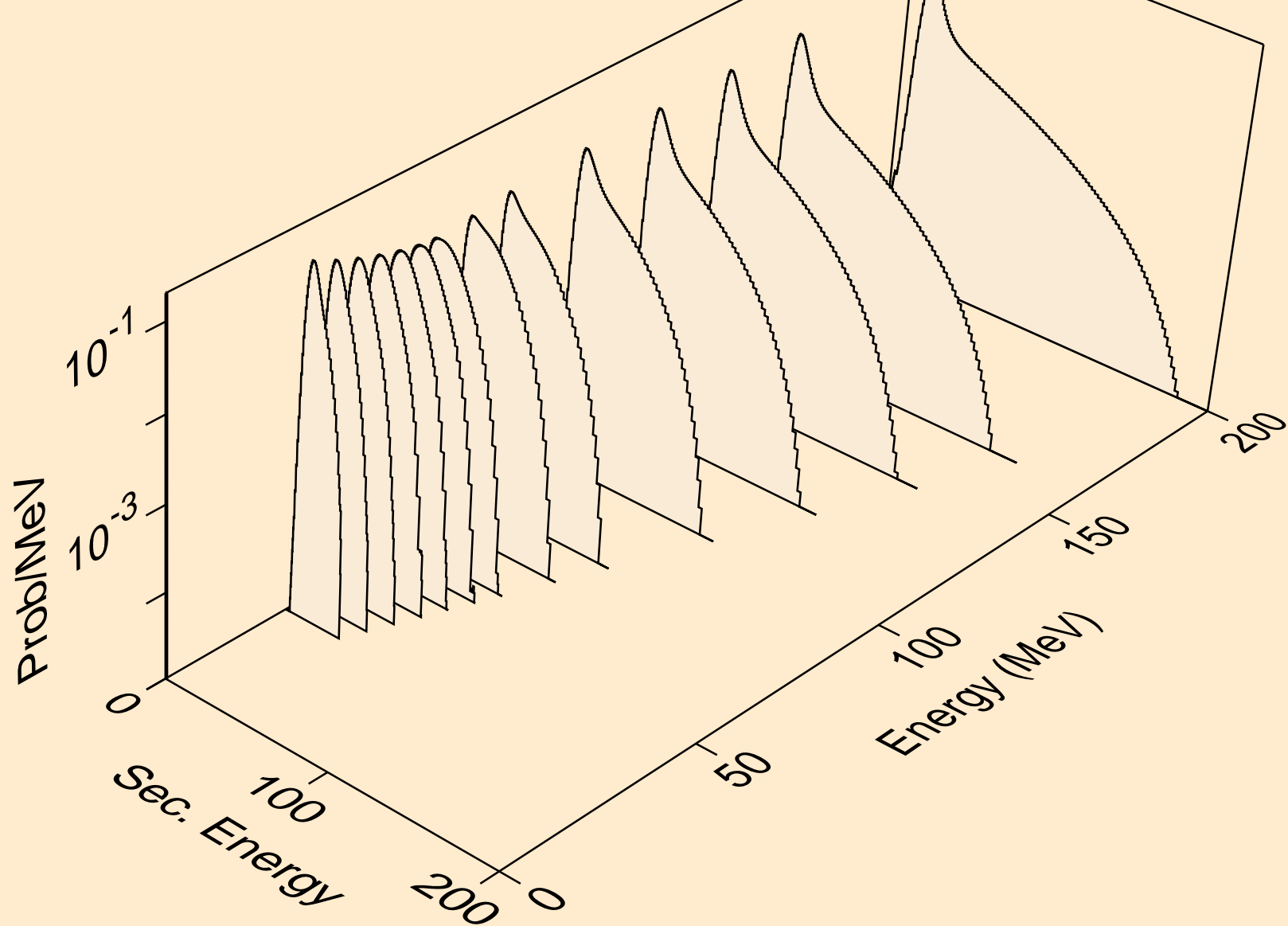
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n2p)



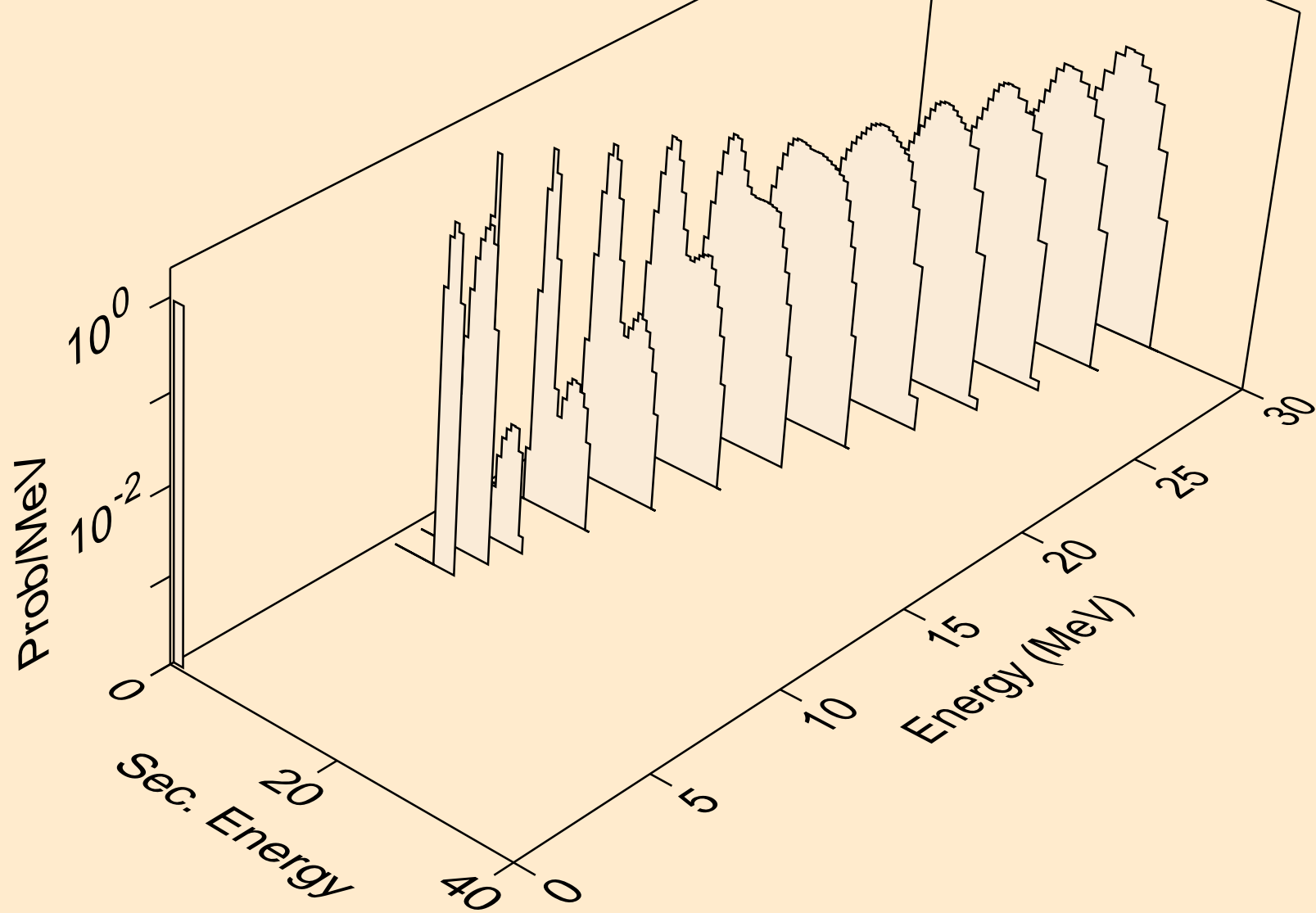
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,npa)



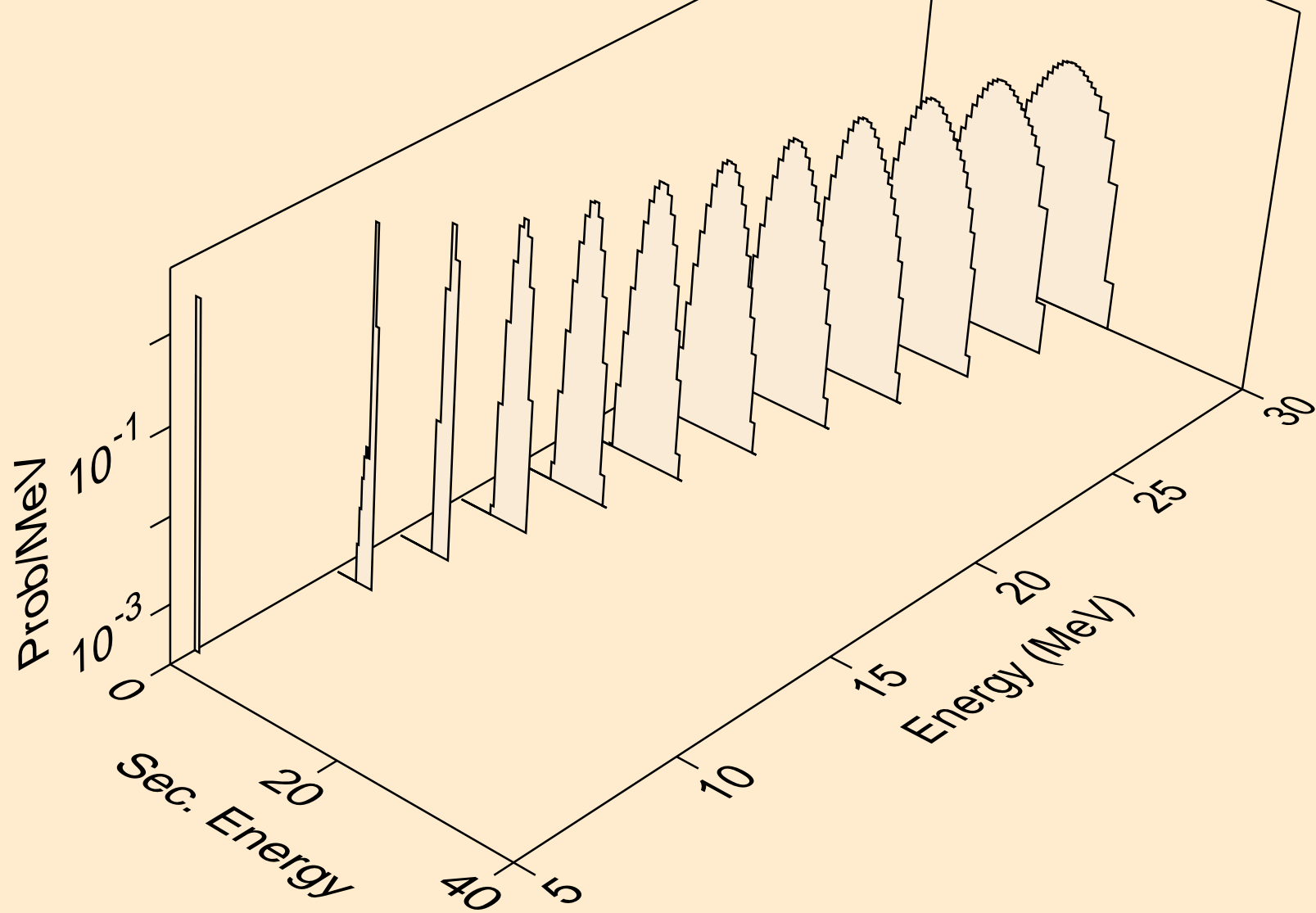
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,x)



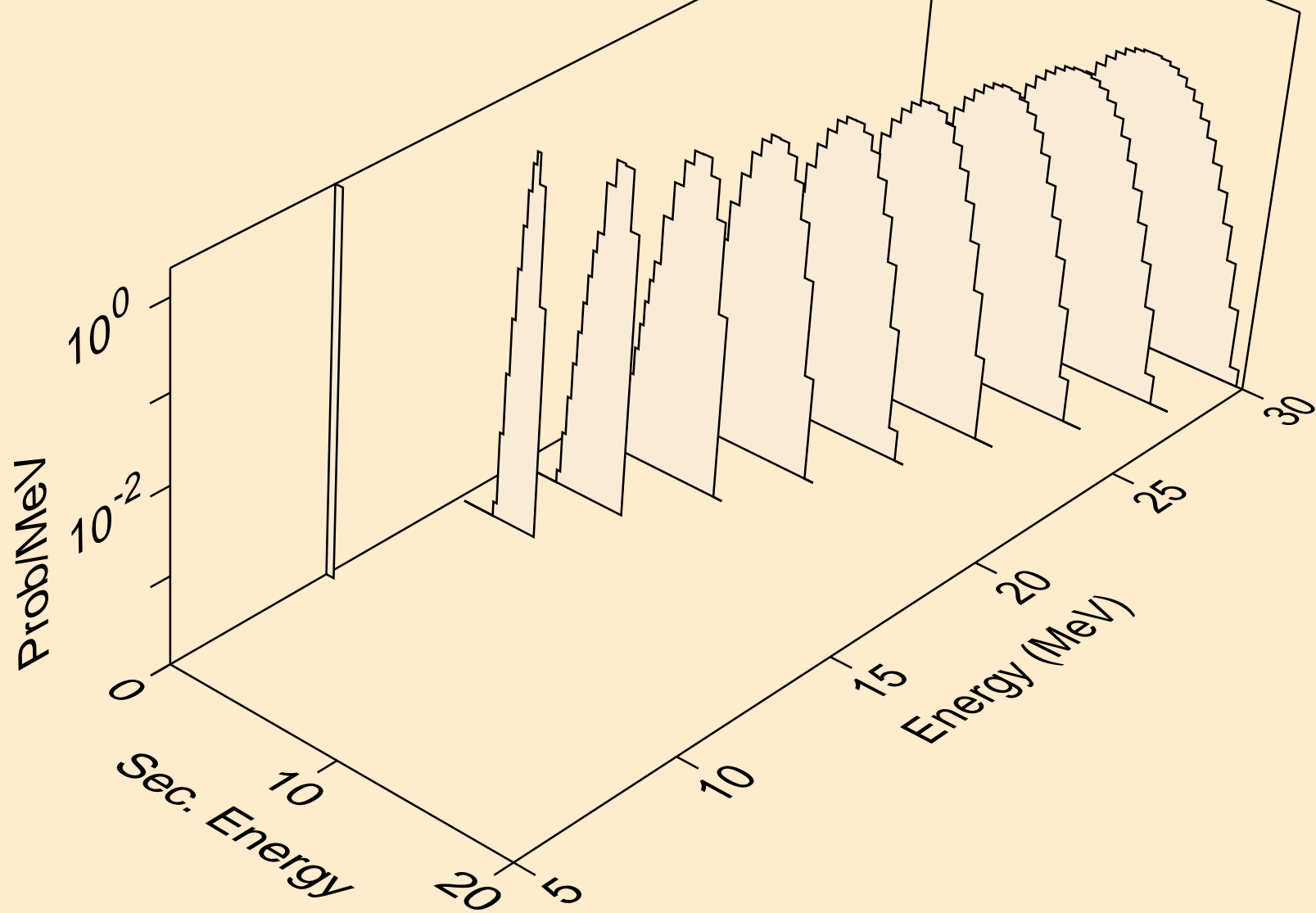
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,n\*)p



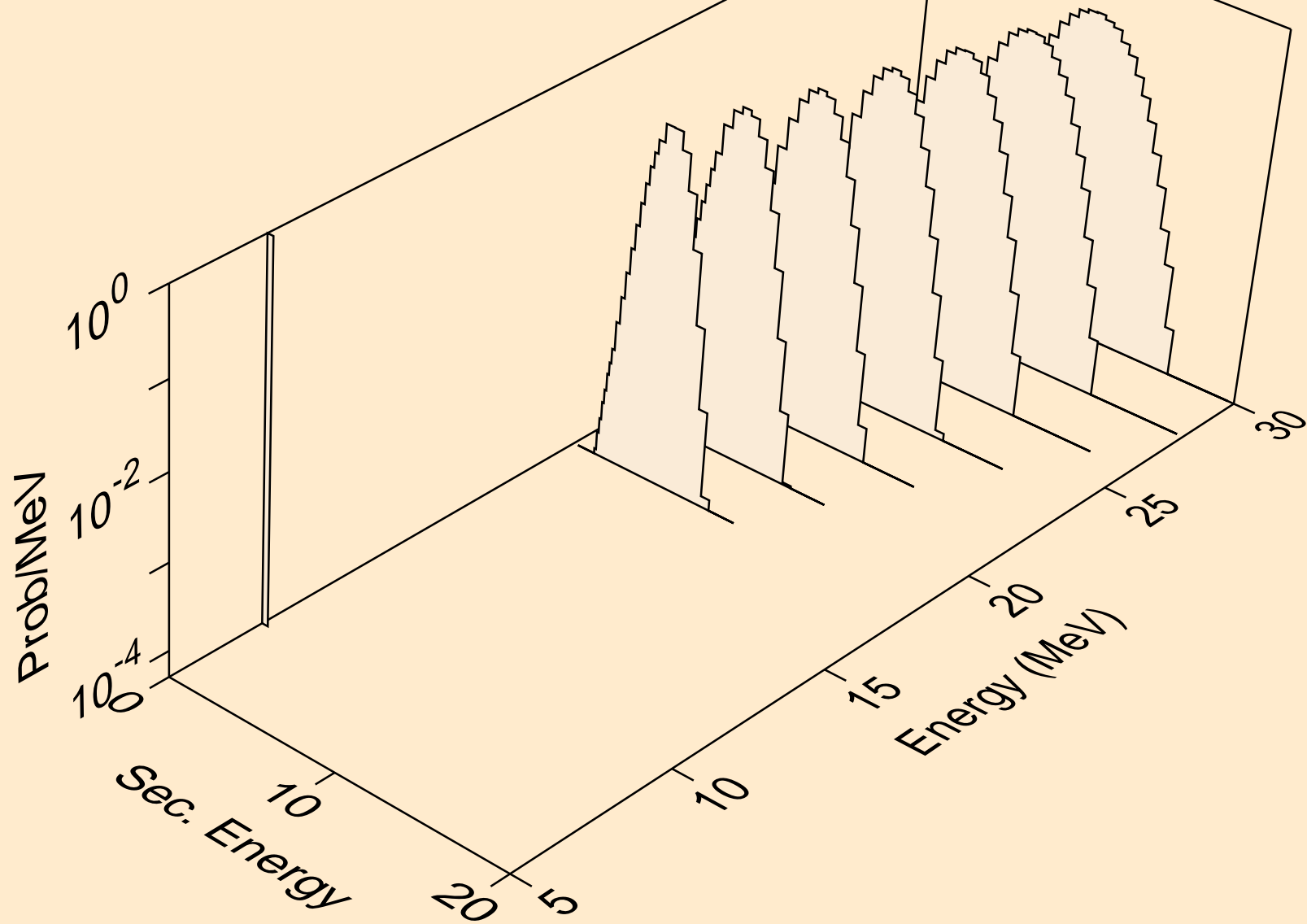
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,2np)



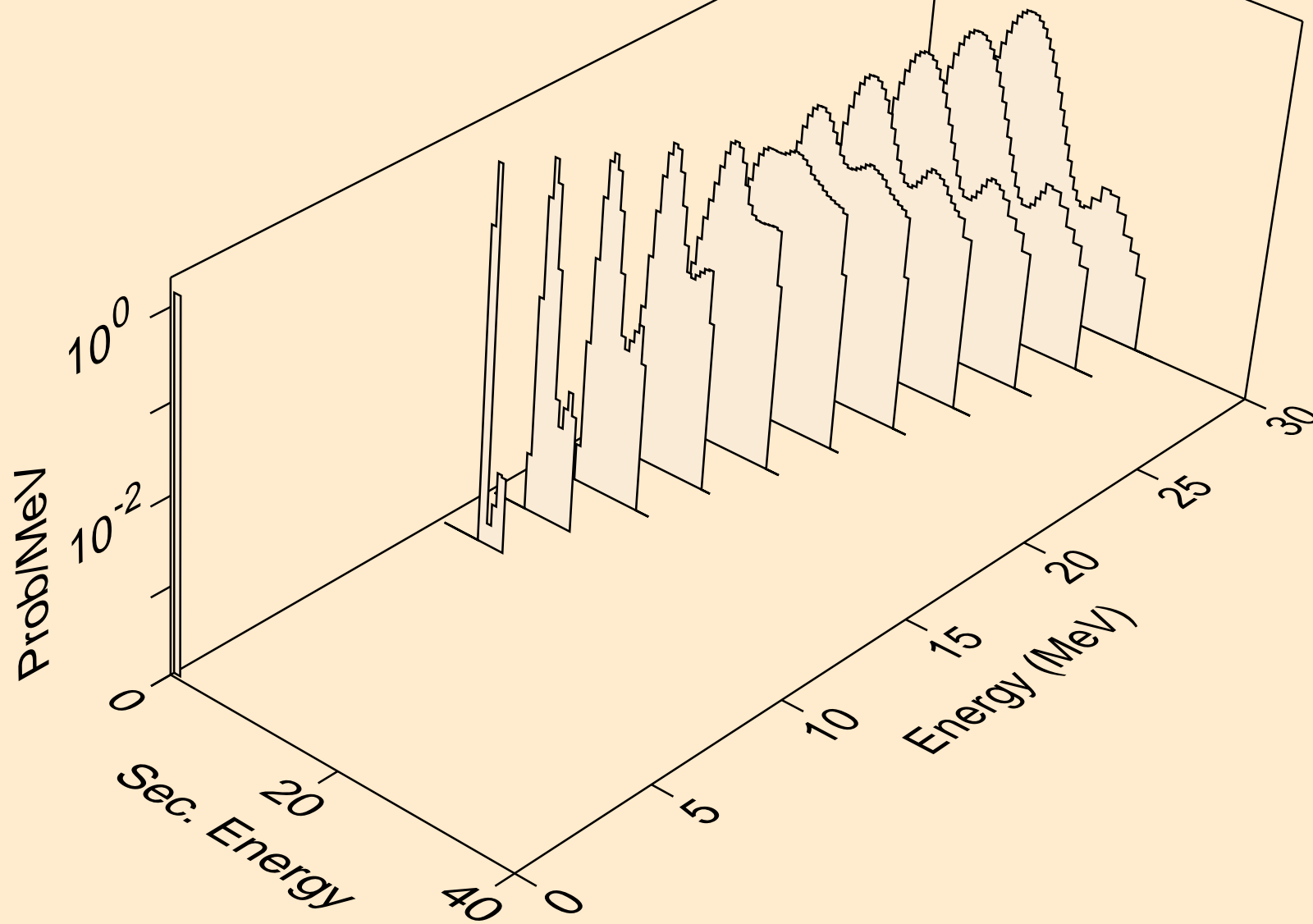
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,3np)



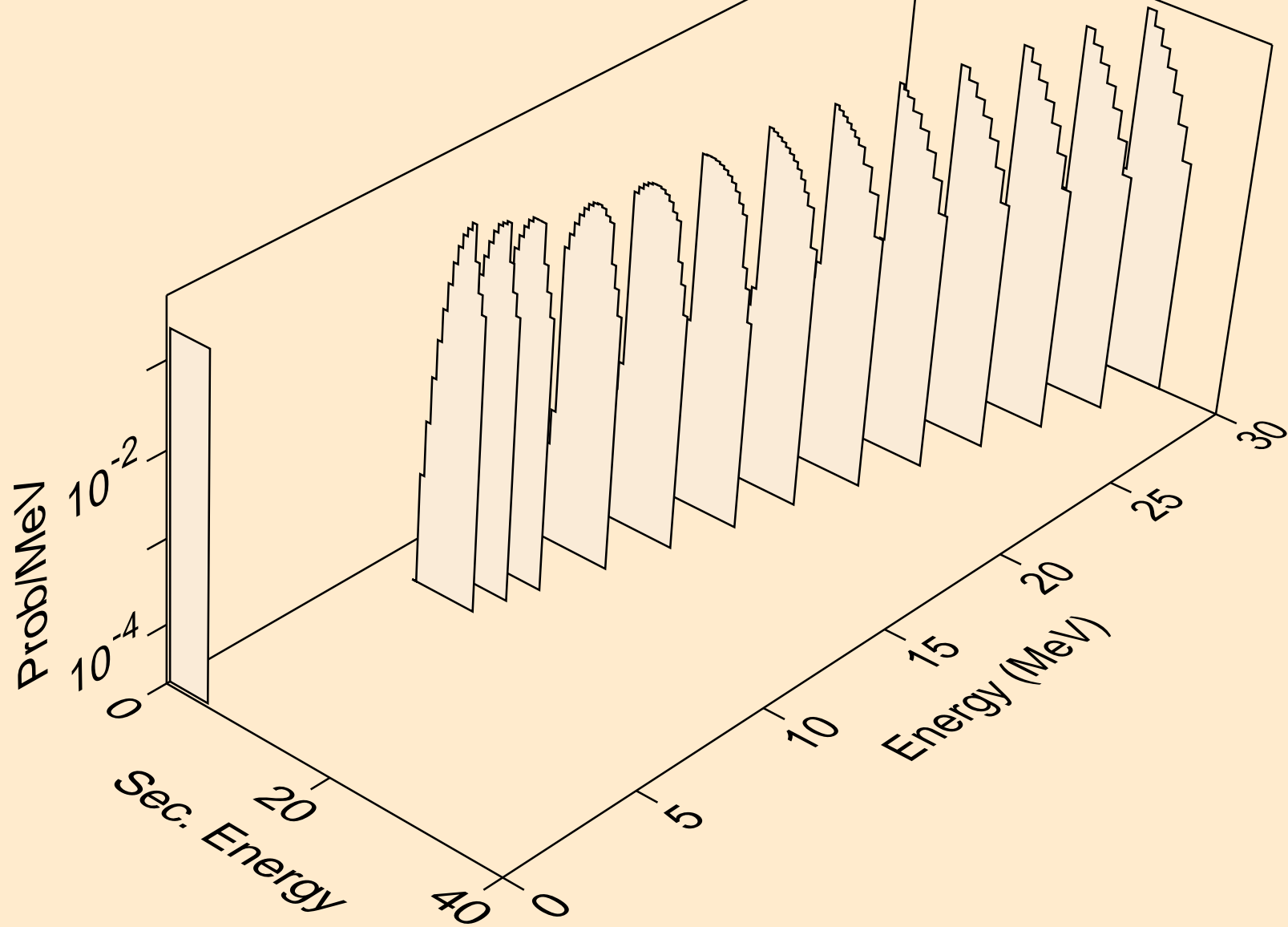
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,n2p)



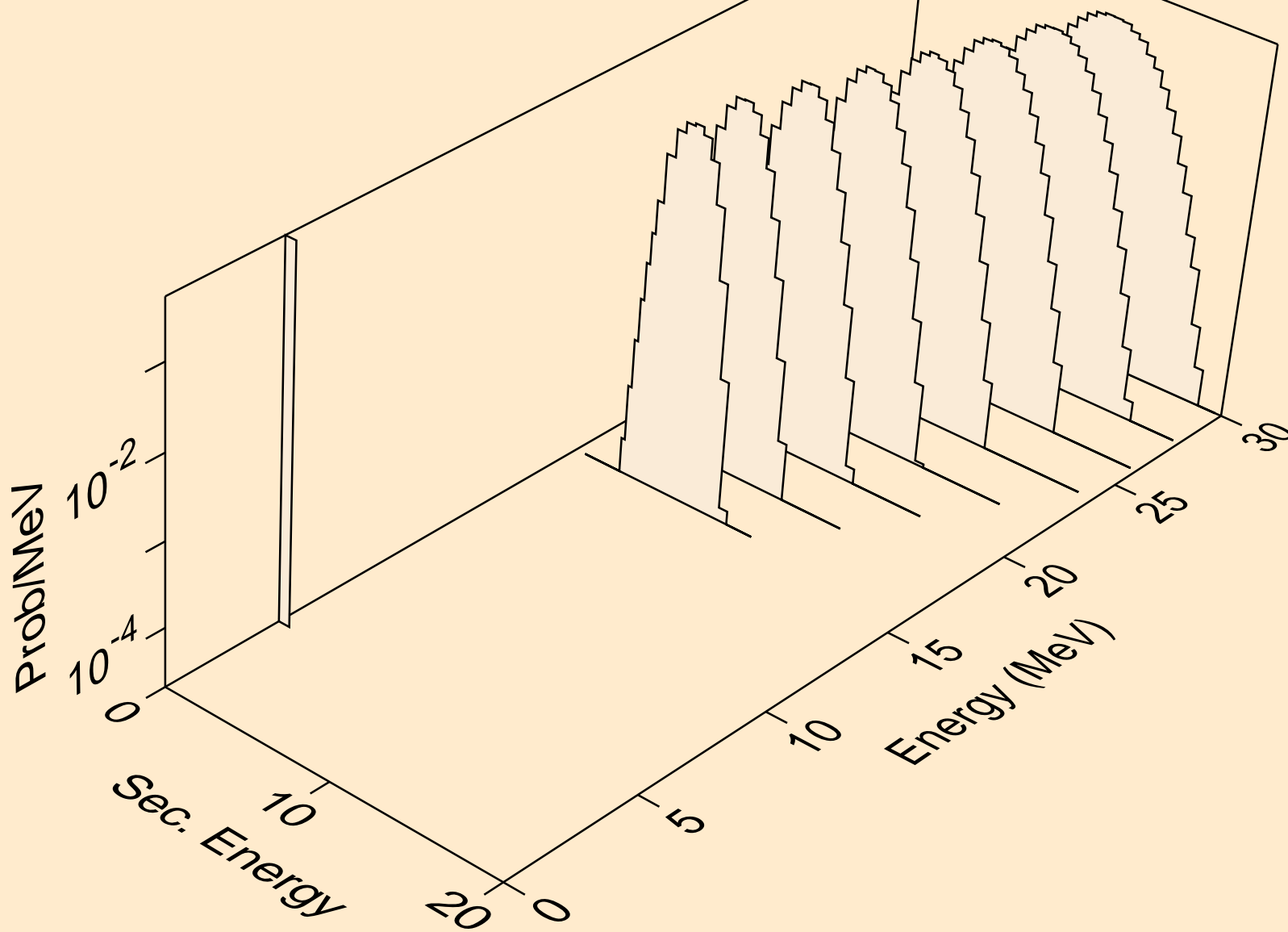
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,npa)



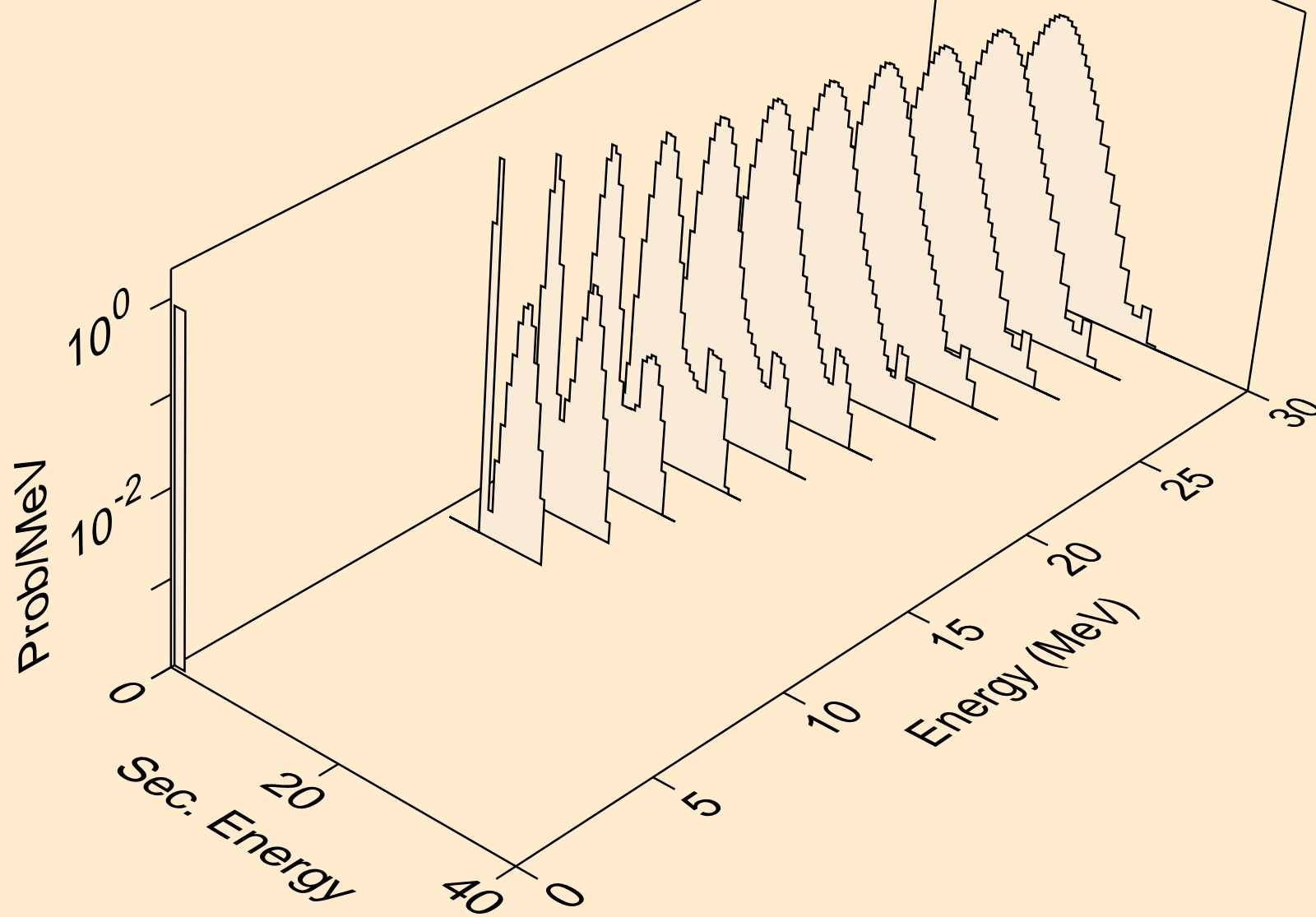
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,p)



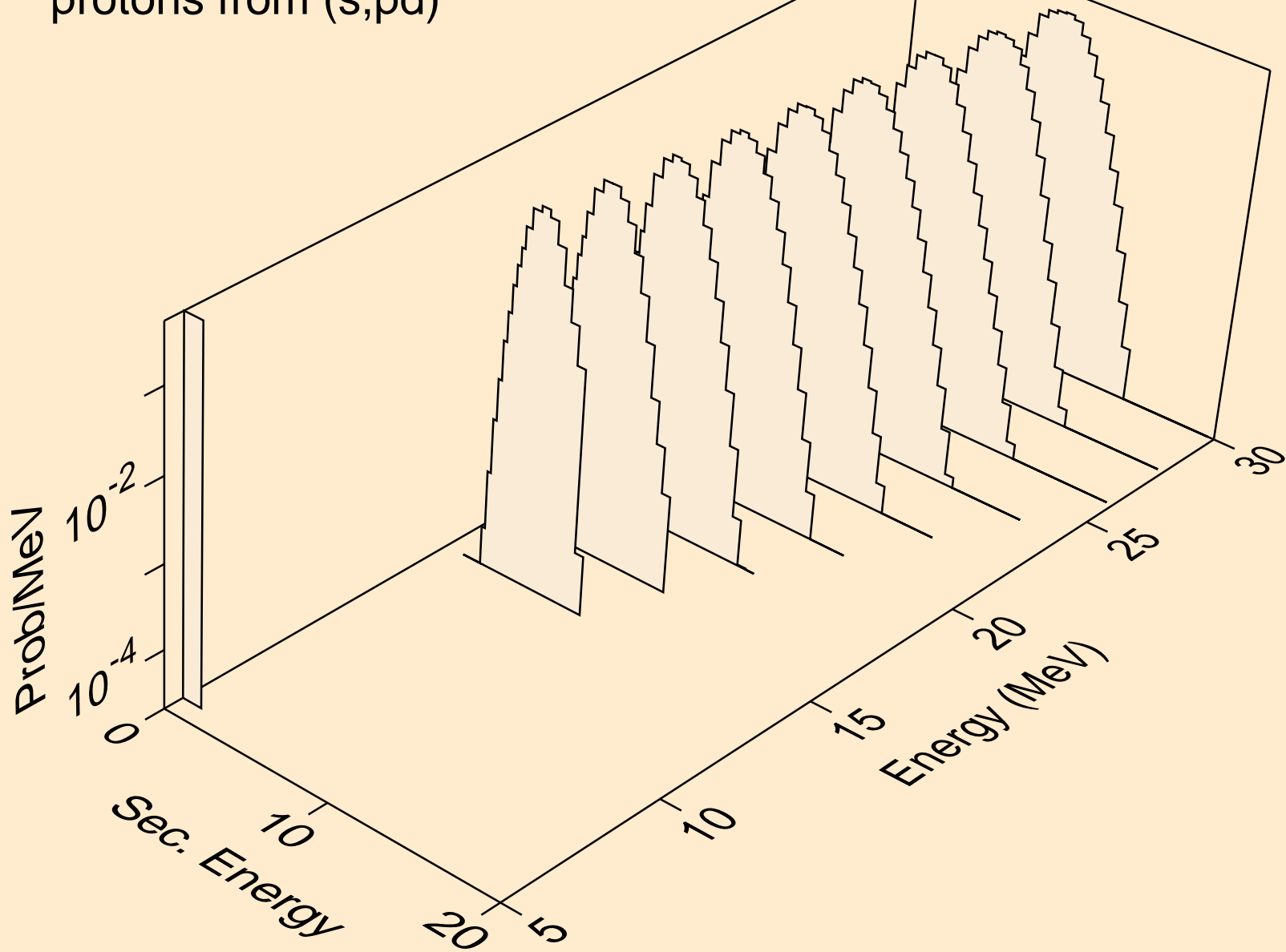
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,2p)



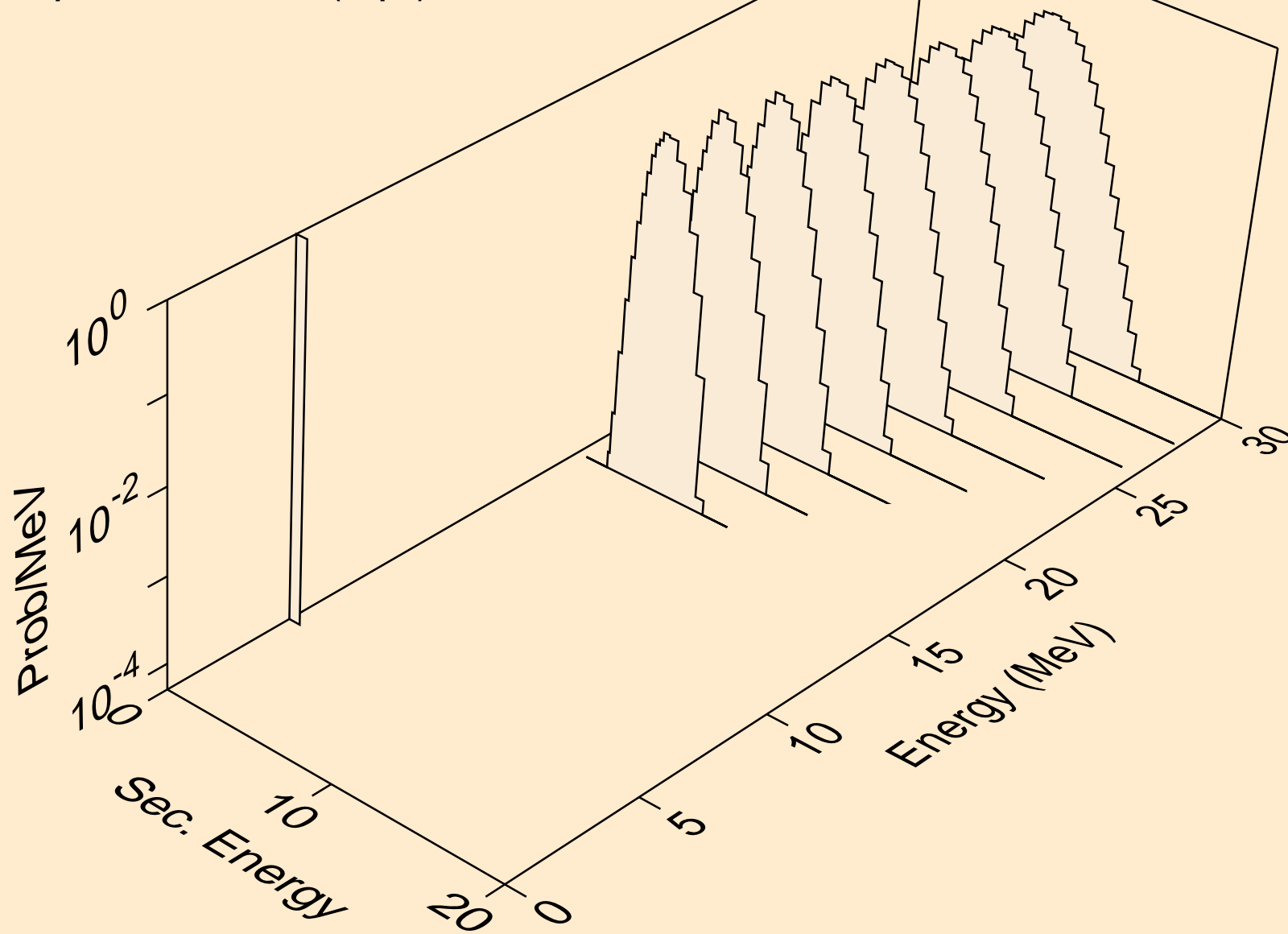
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,pa)



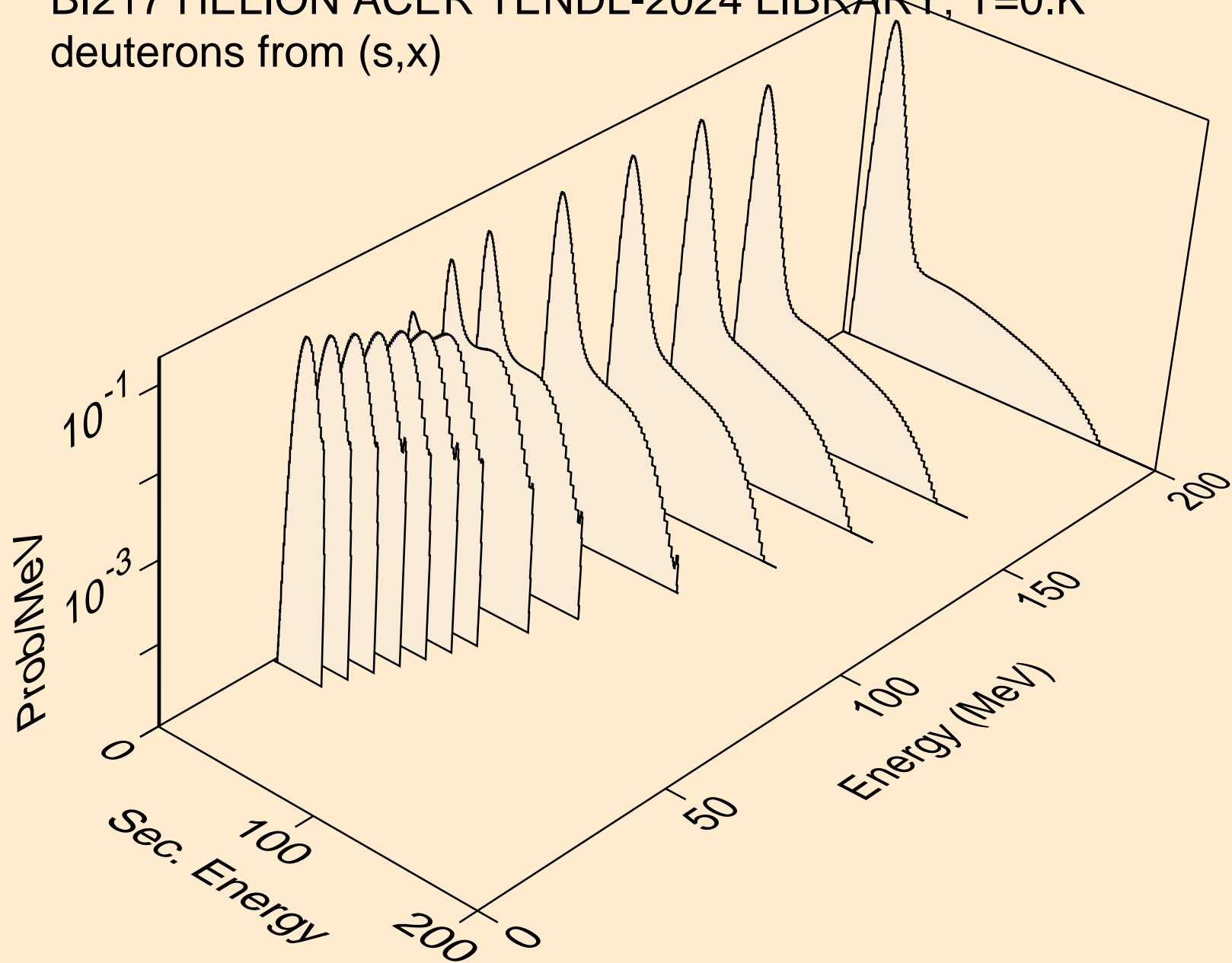
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,pd)



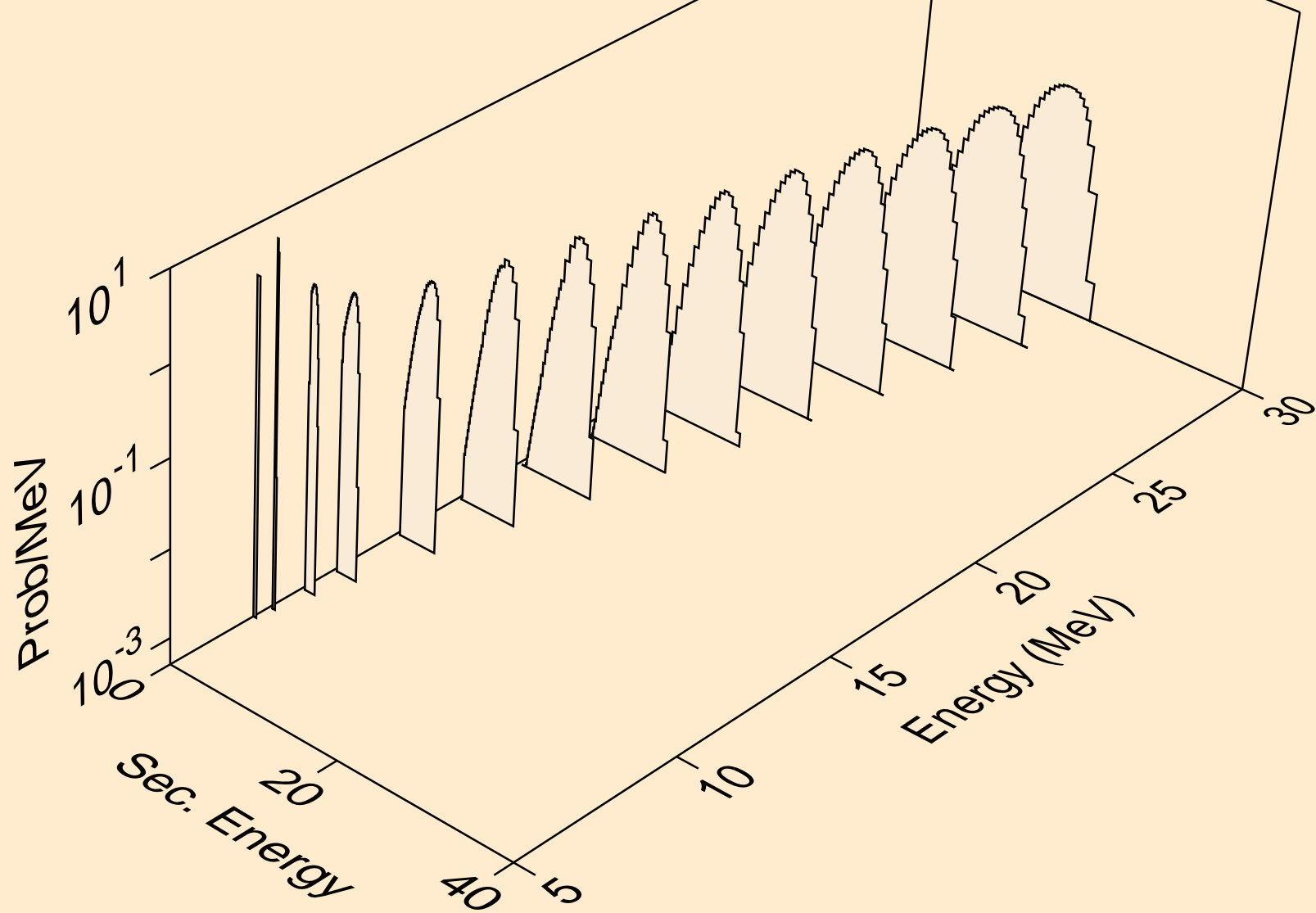
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,pt)



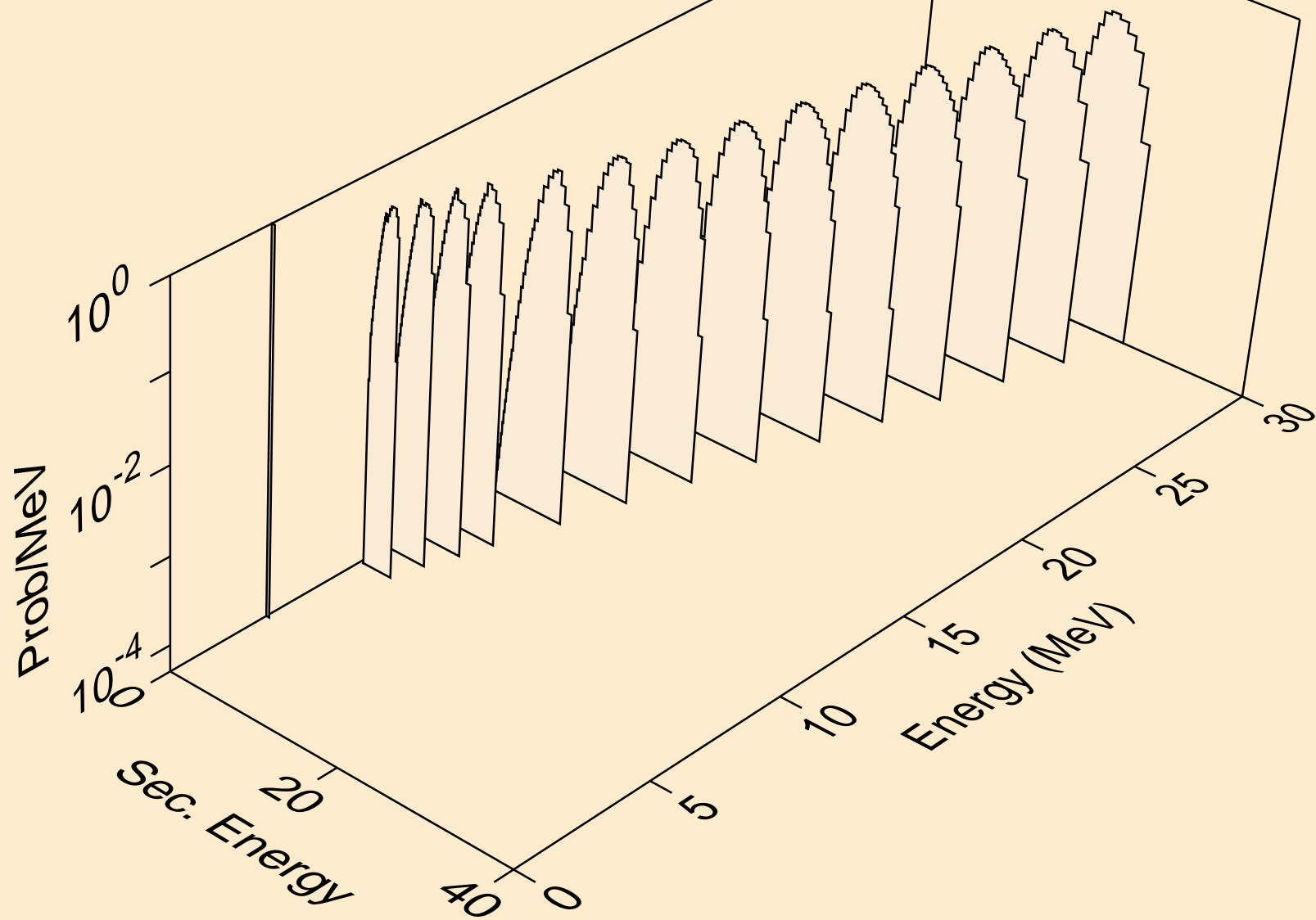
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (s,x)



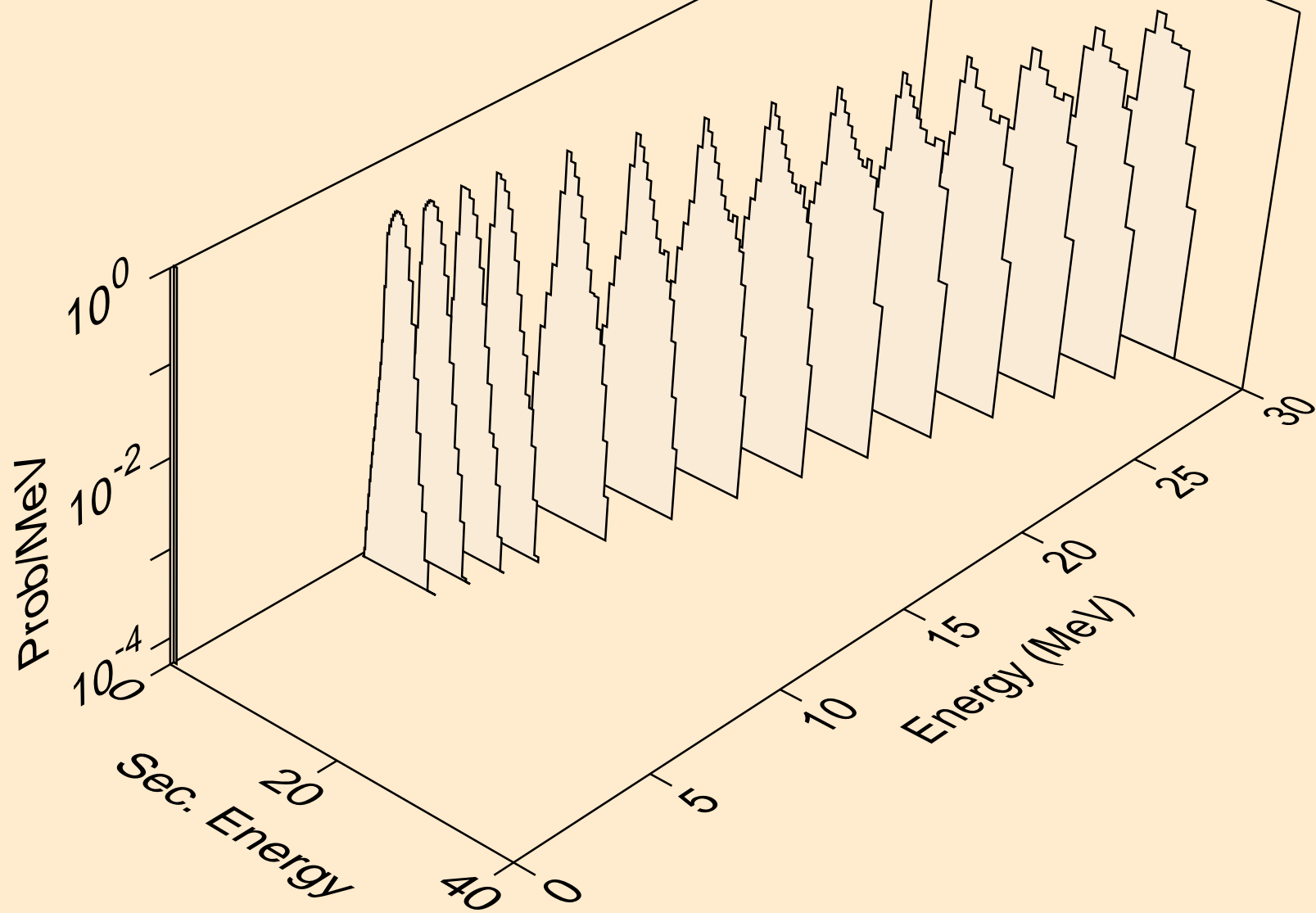
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (s,2nd)



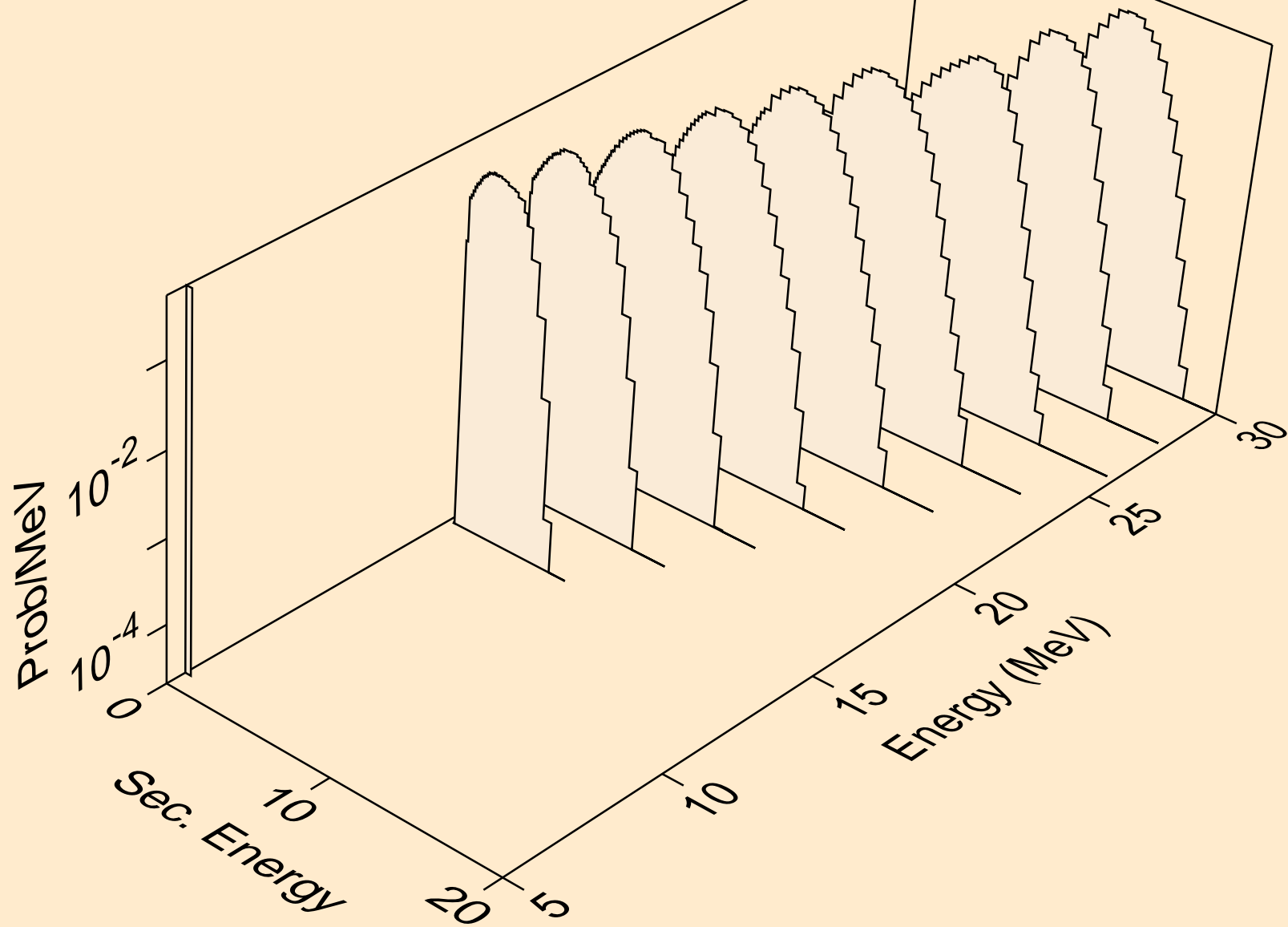
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (s,n\*)d



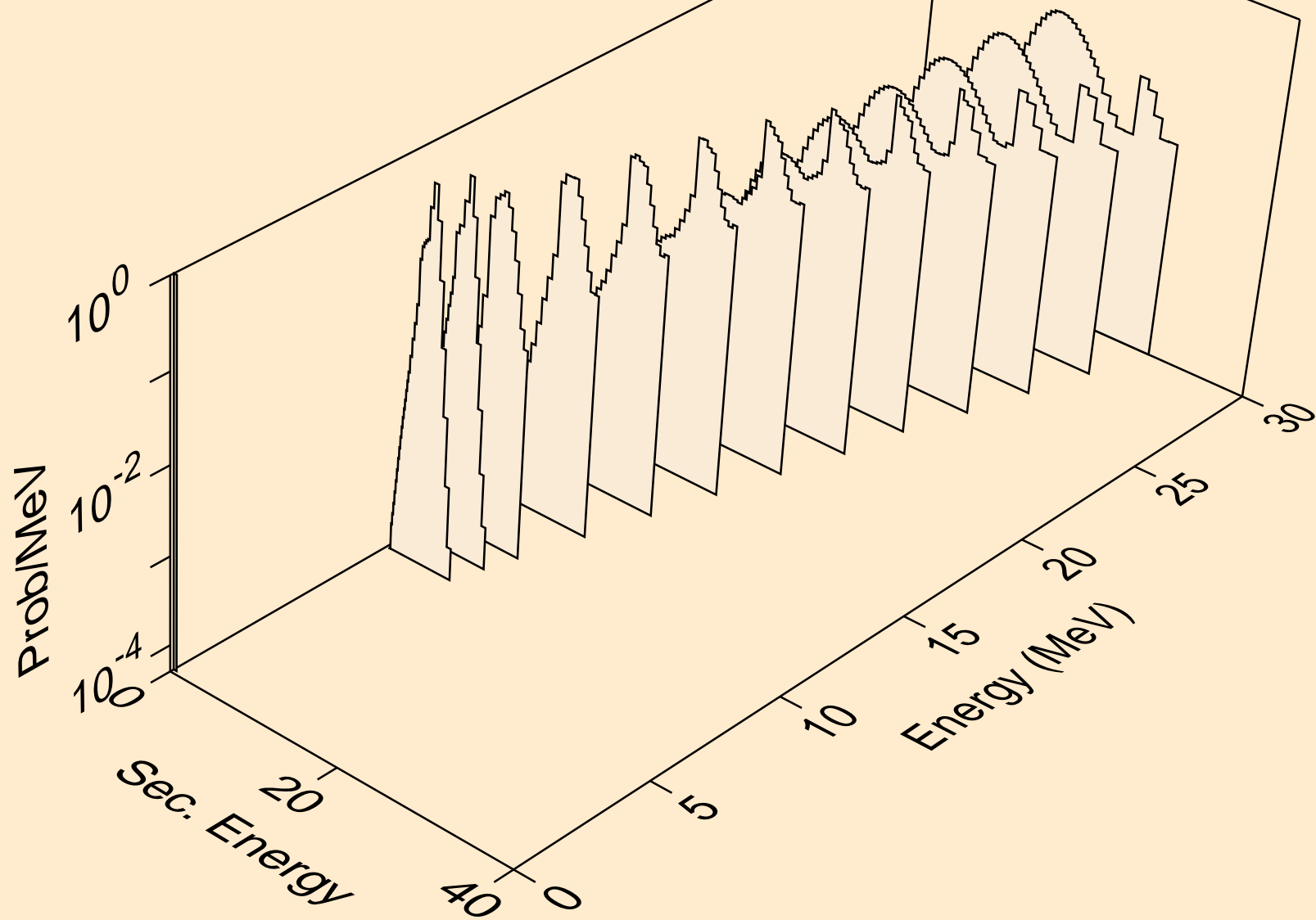
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (s,d)



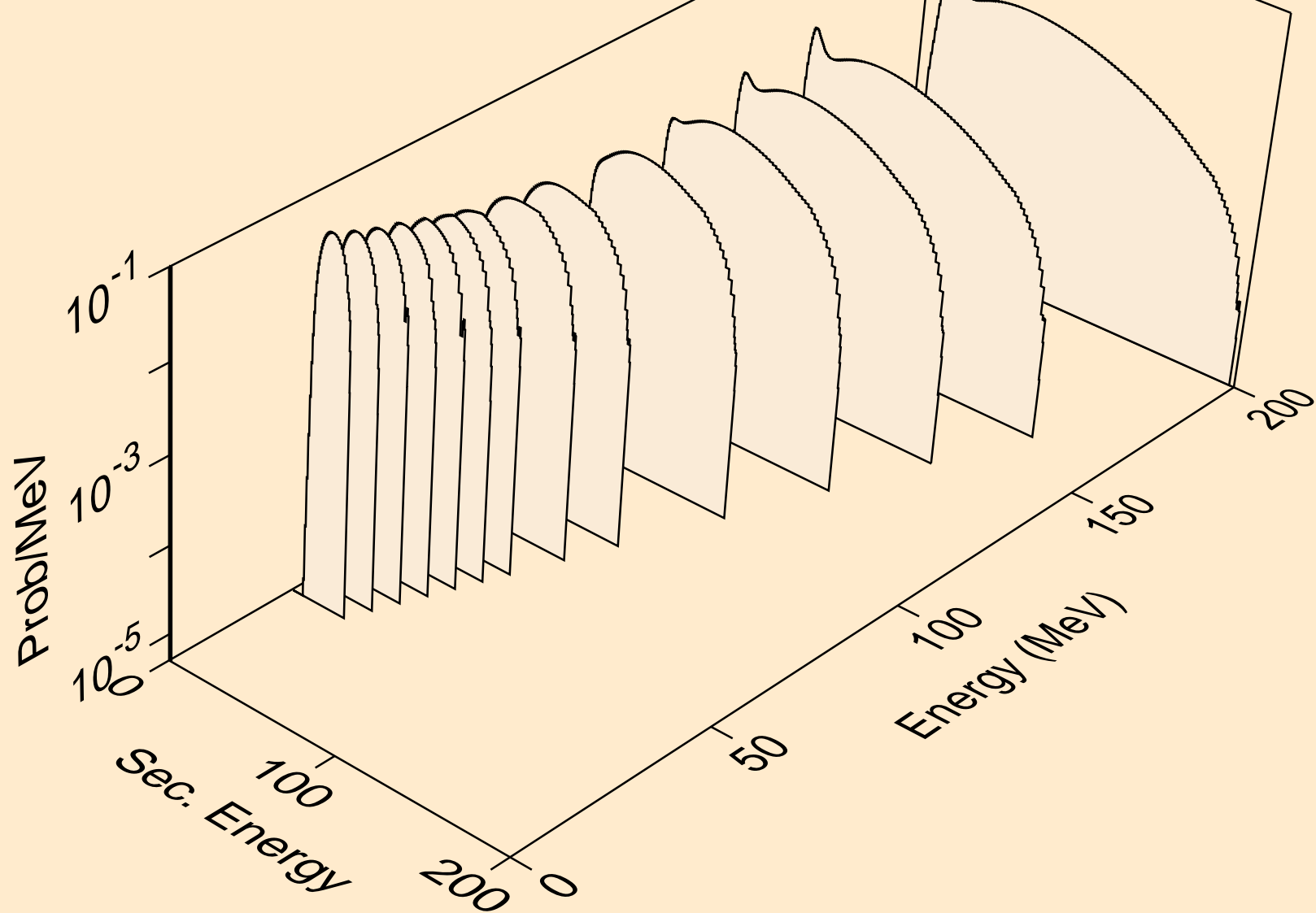
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (s,pd)



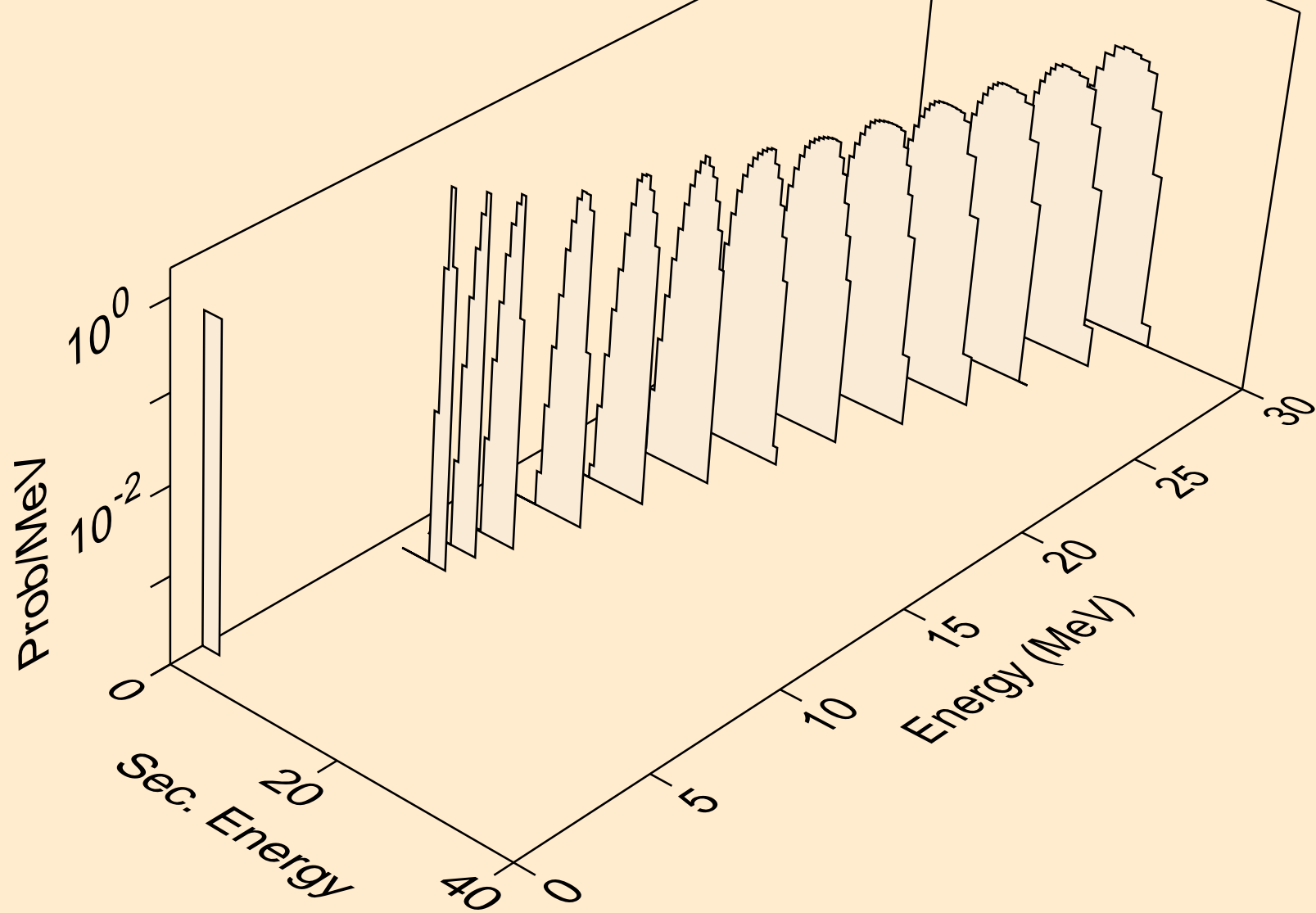
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (s,da)



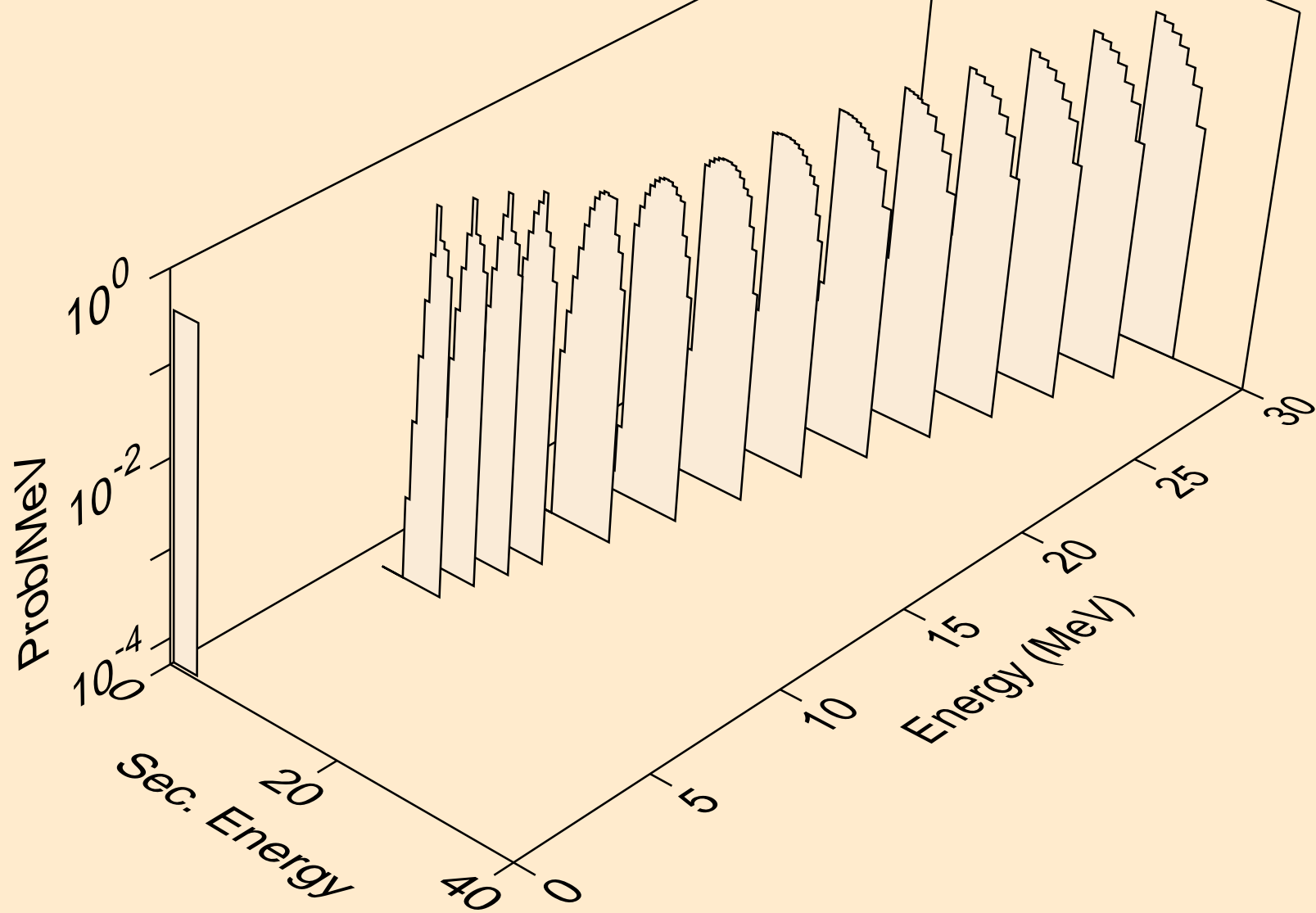
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (s,x)



BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (s,n\*)t

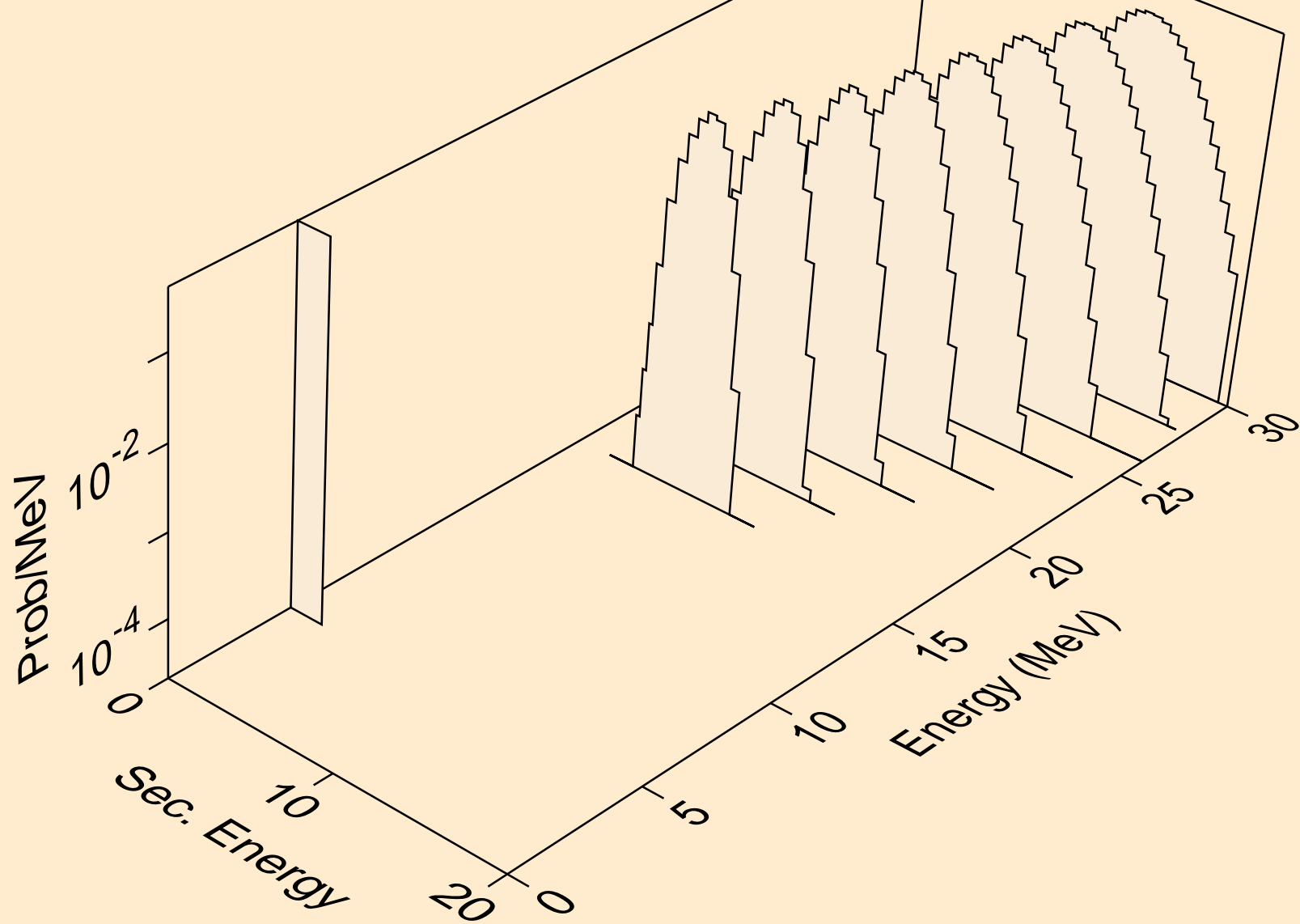


BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (s,t)

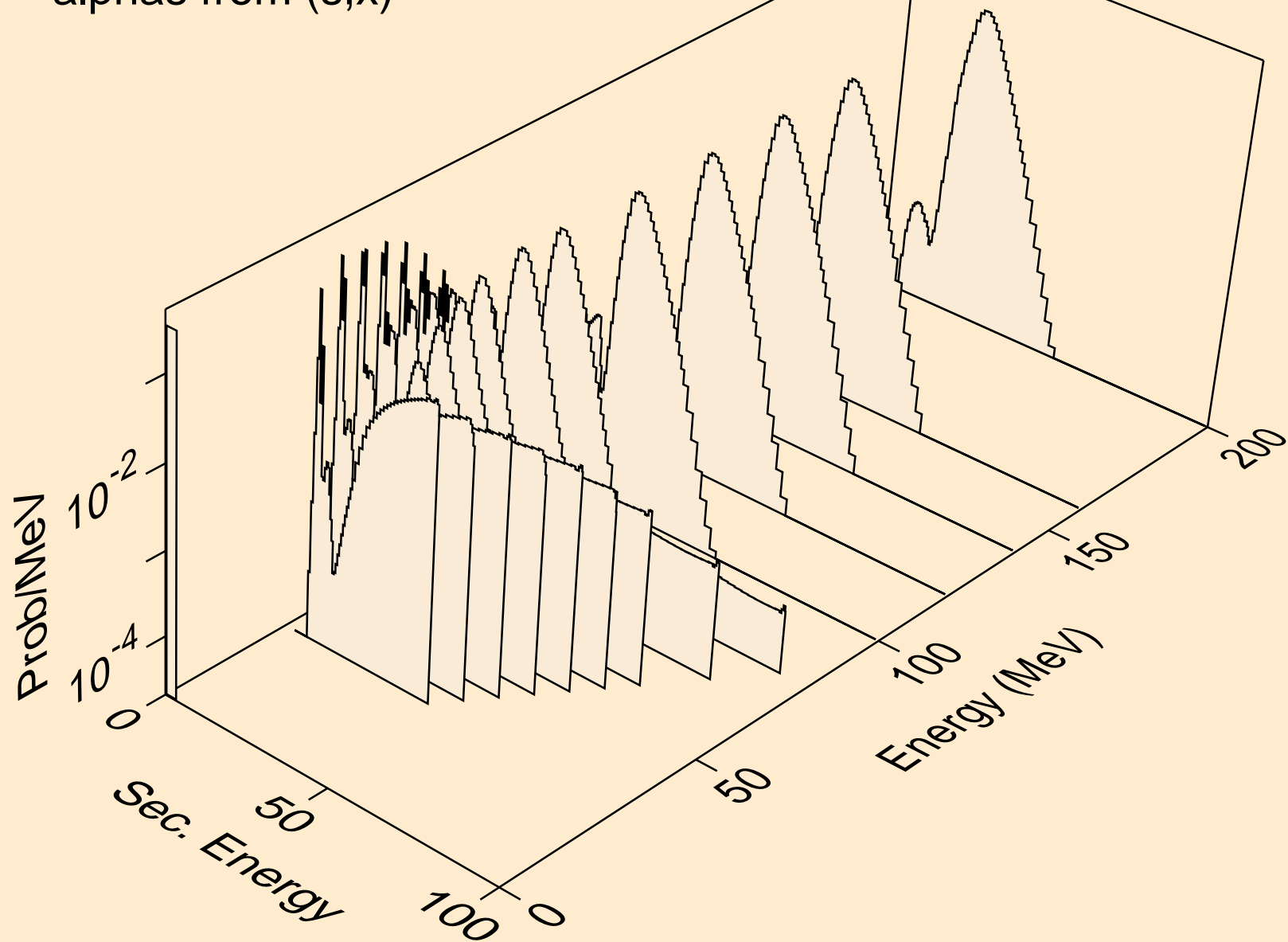


# BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K

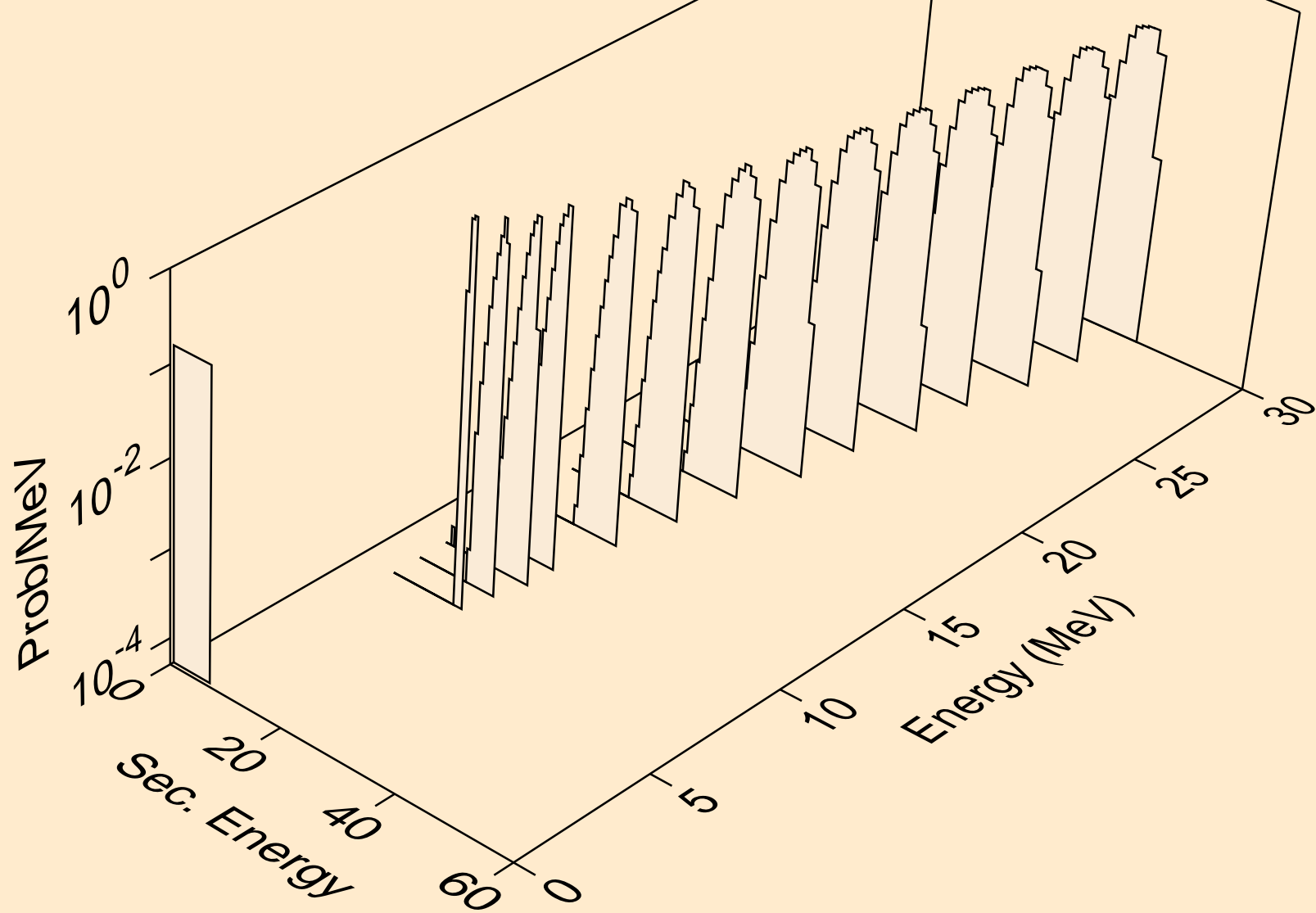
tritons from (s,pt)



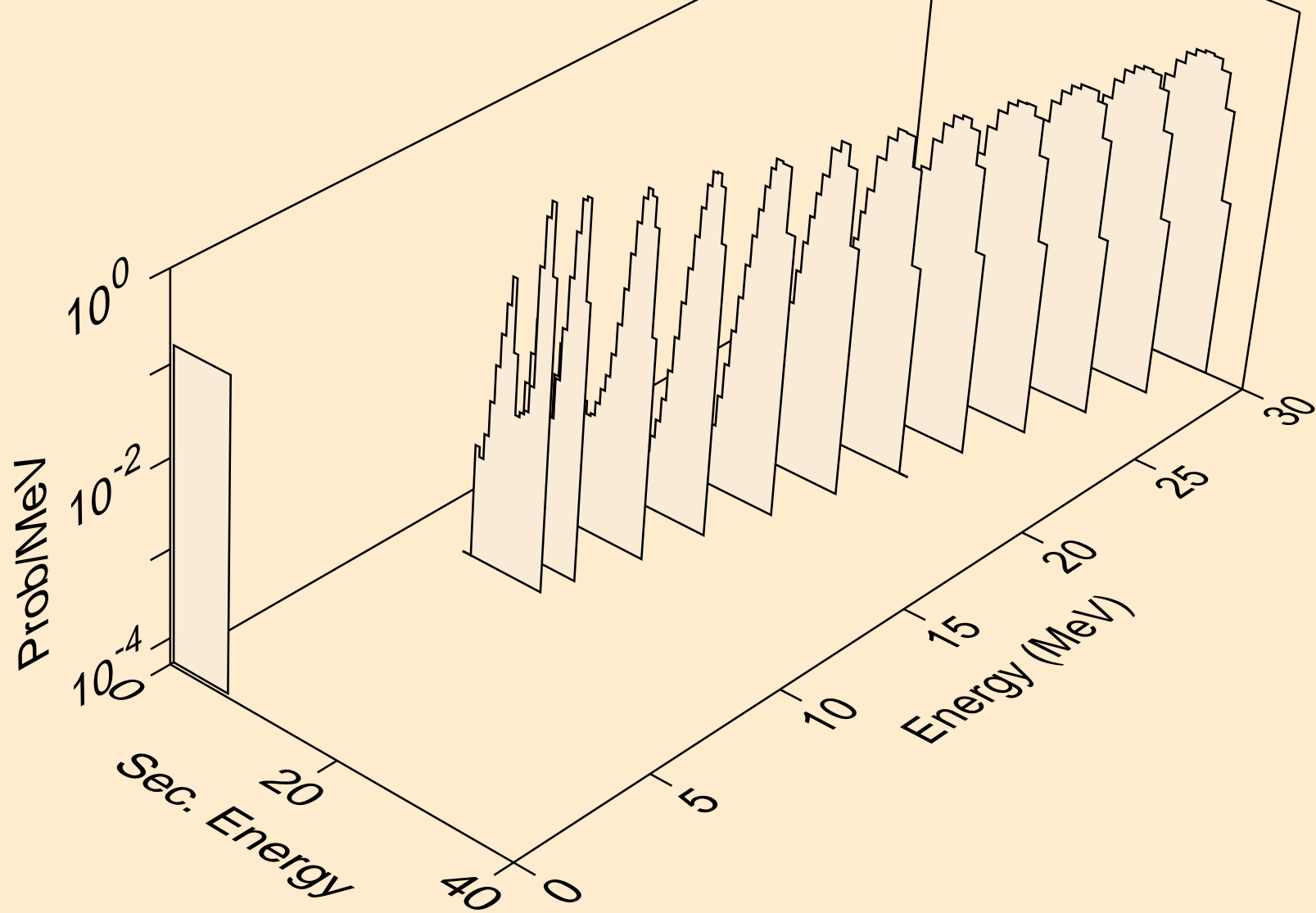
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,x)



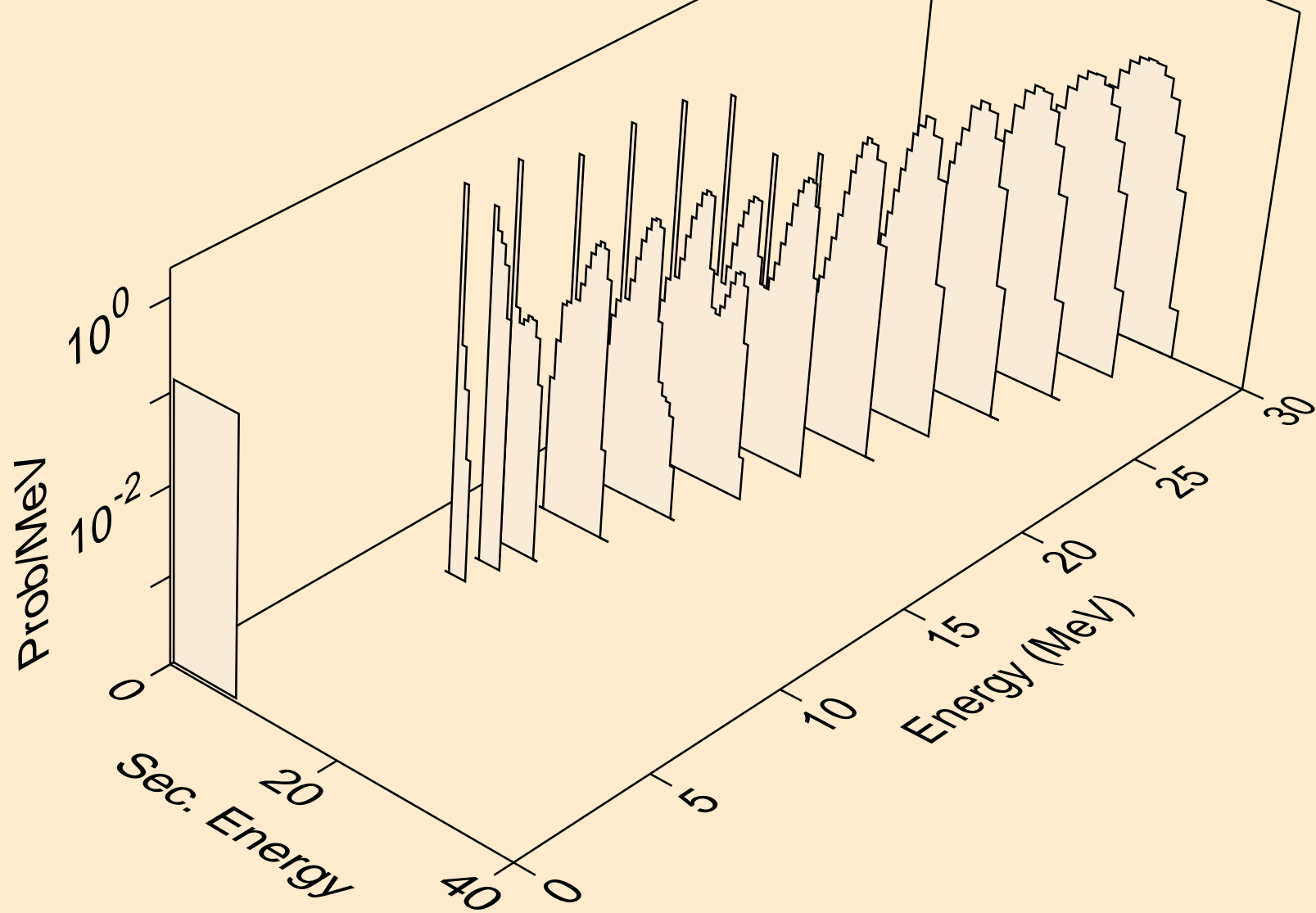
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,n\*)a



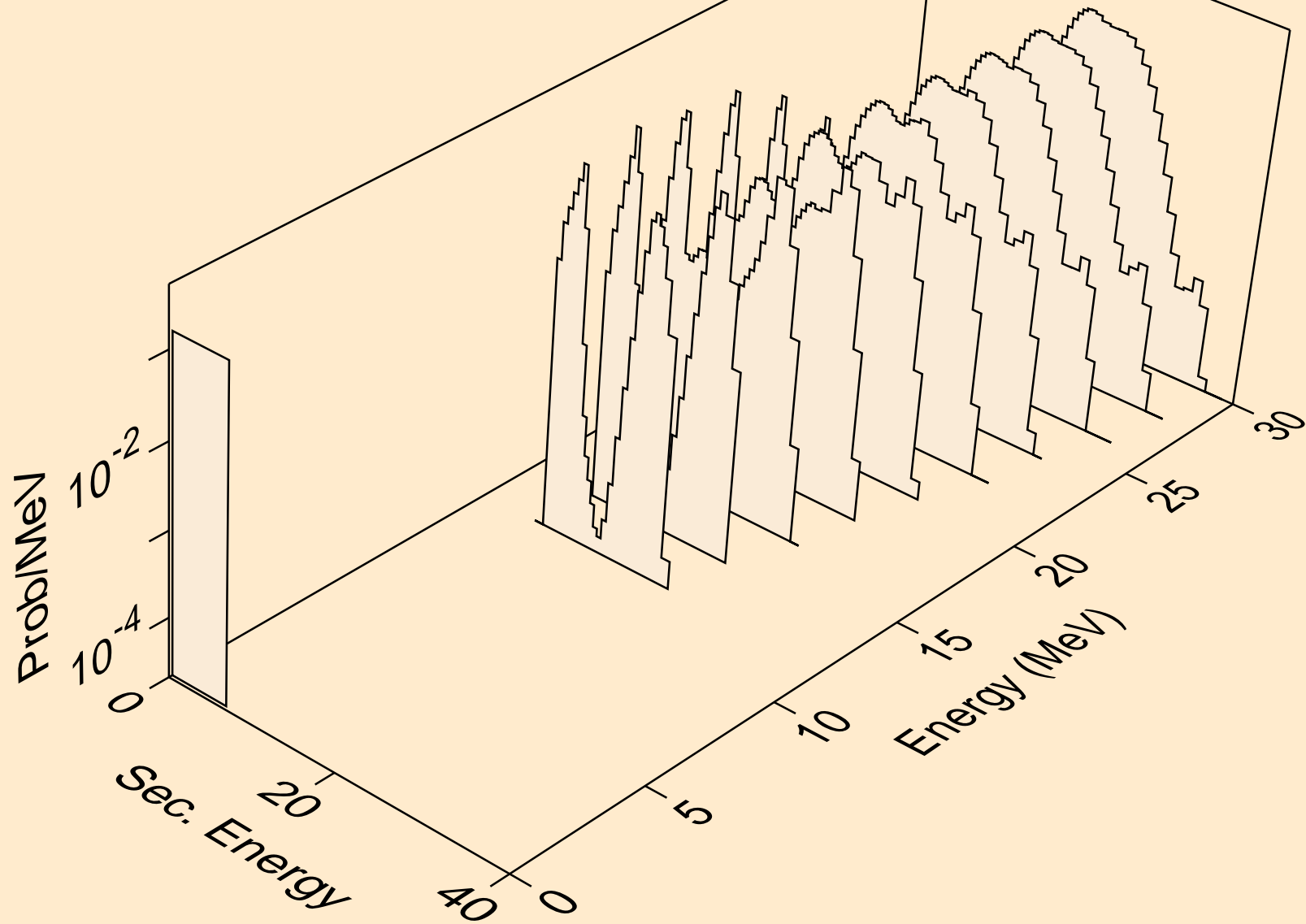
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,2n)a



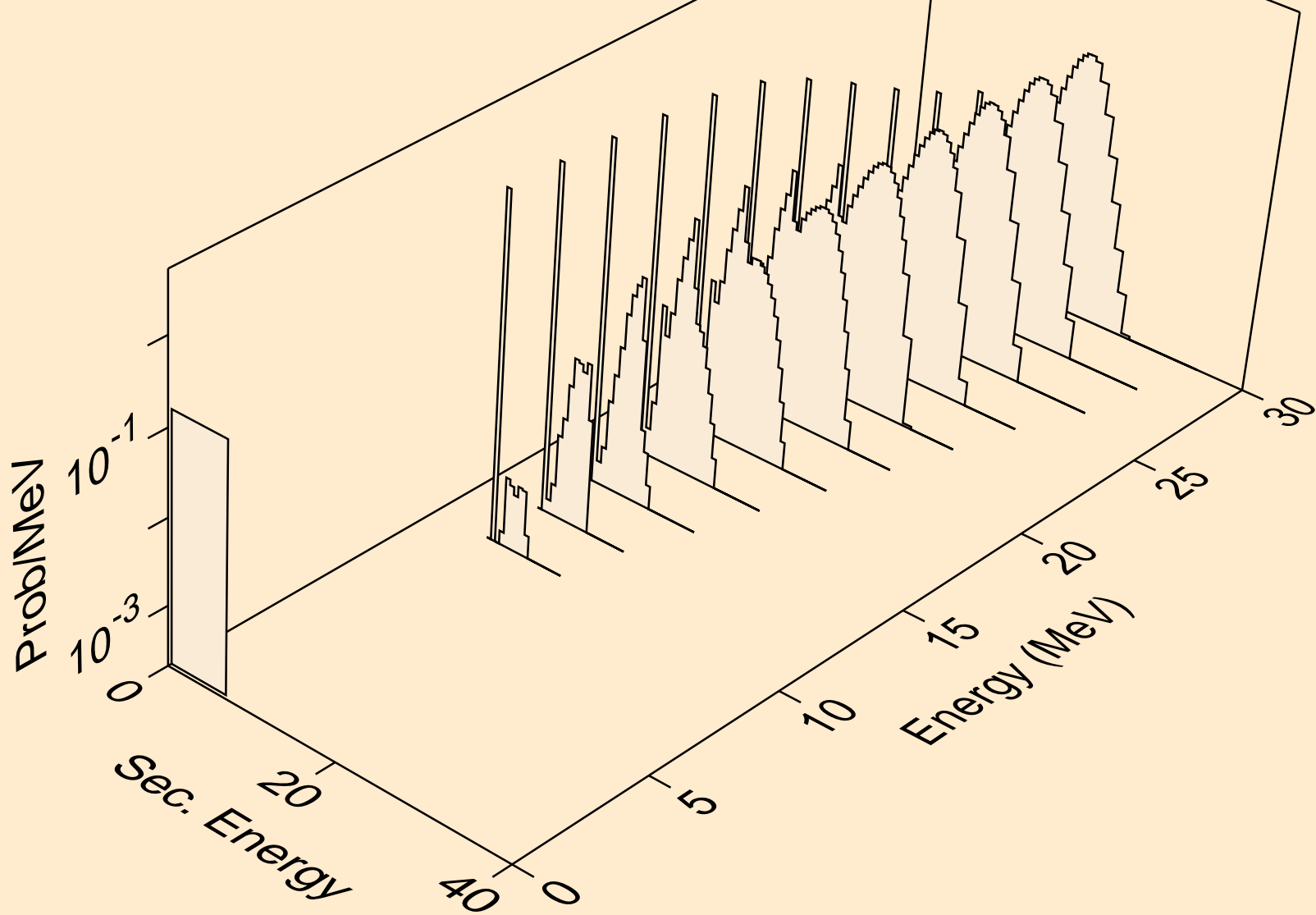
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,3n)a



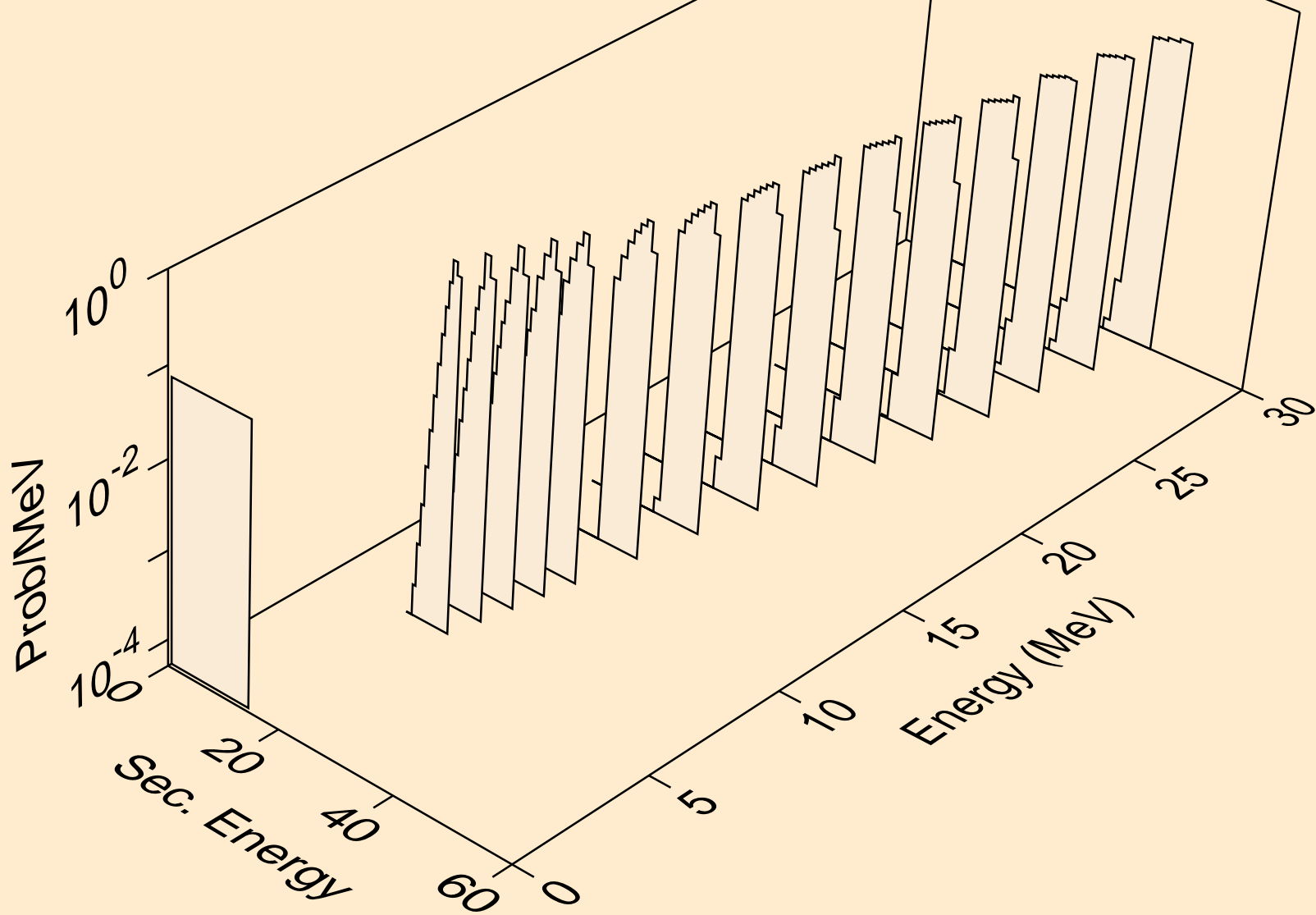
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,n\*)2a



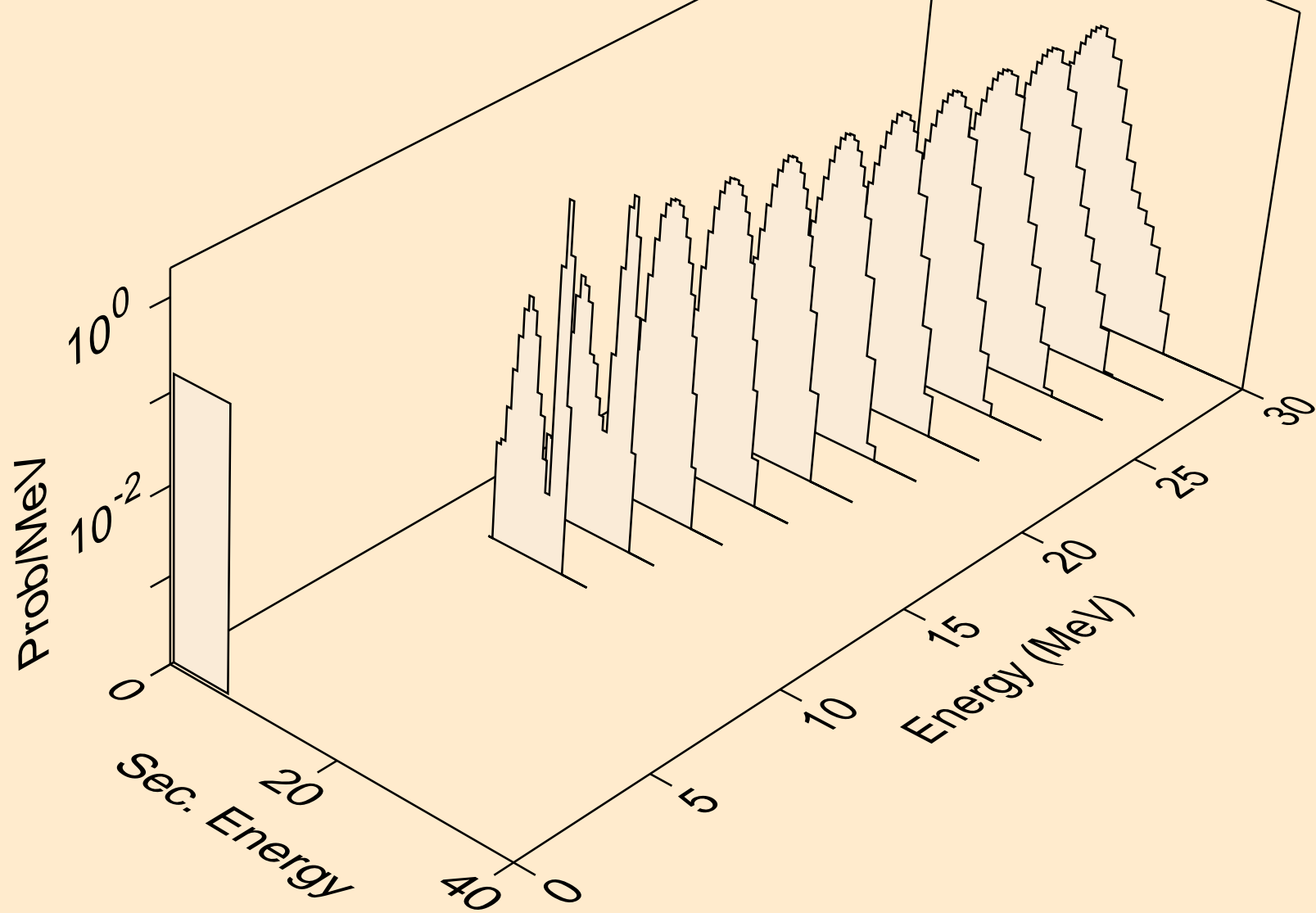
BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,npa)



BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,a)



BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,pa)



BI217 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,da)

