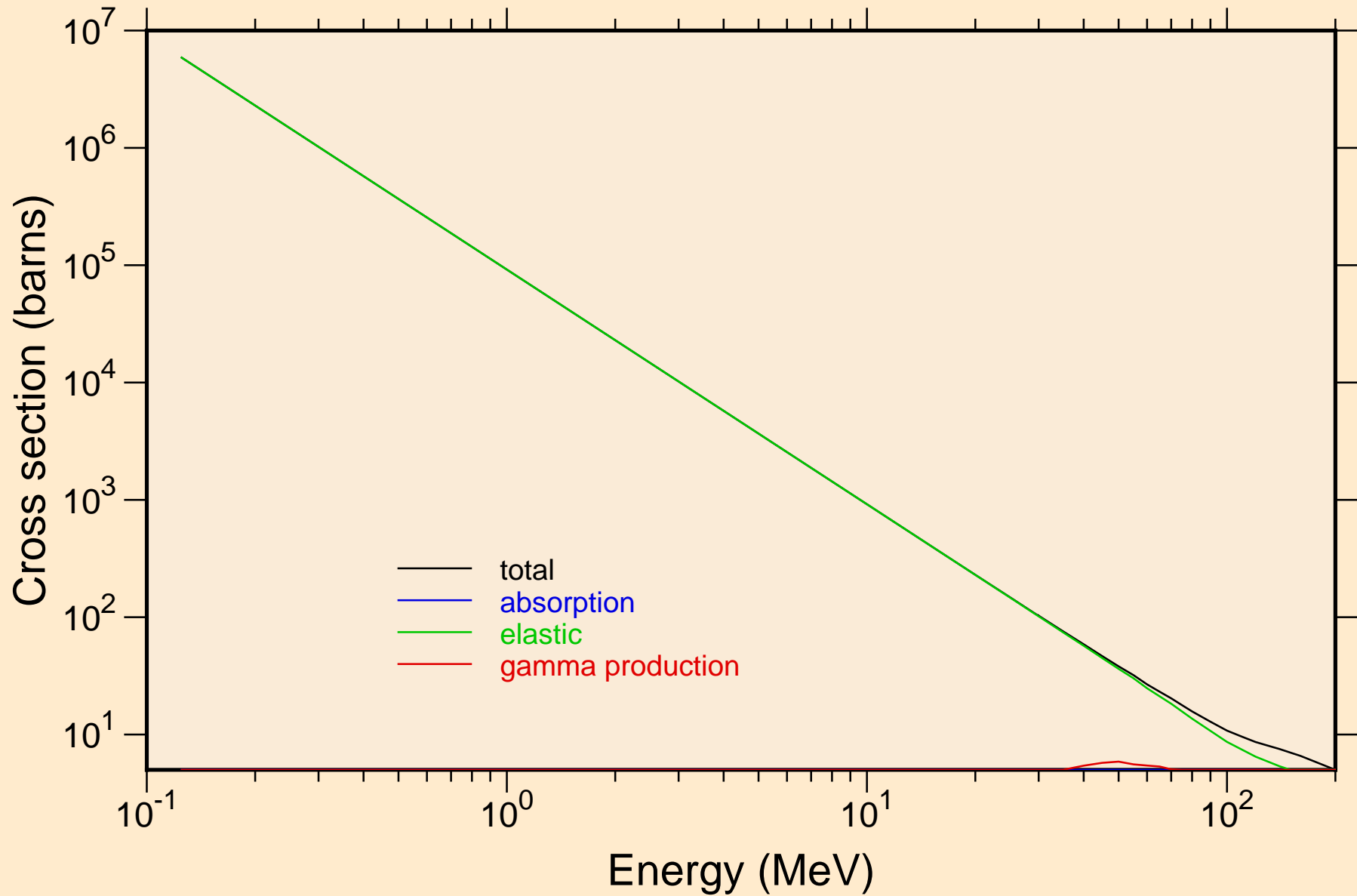
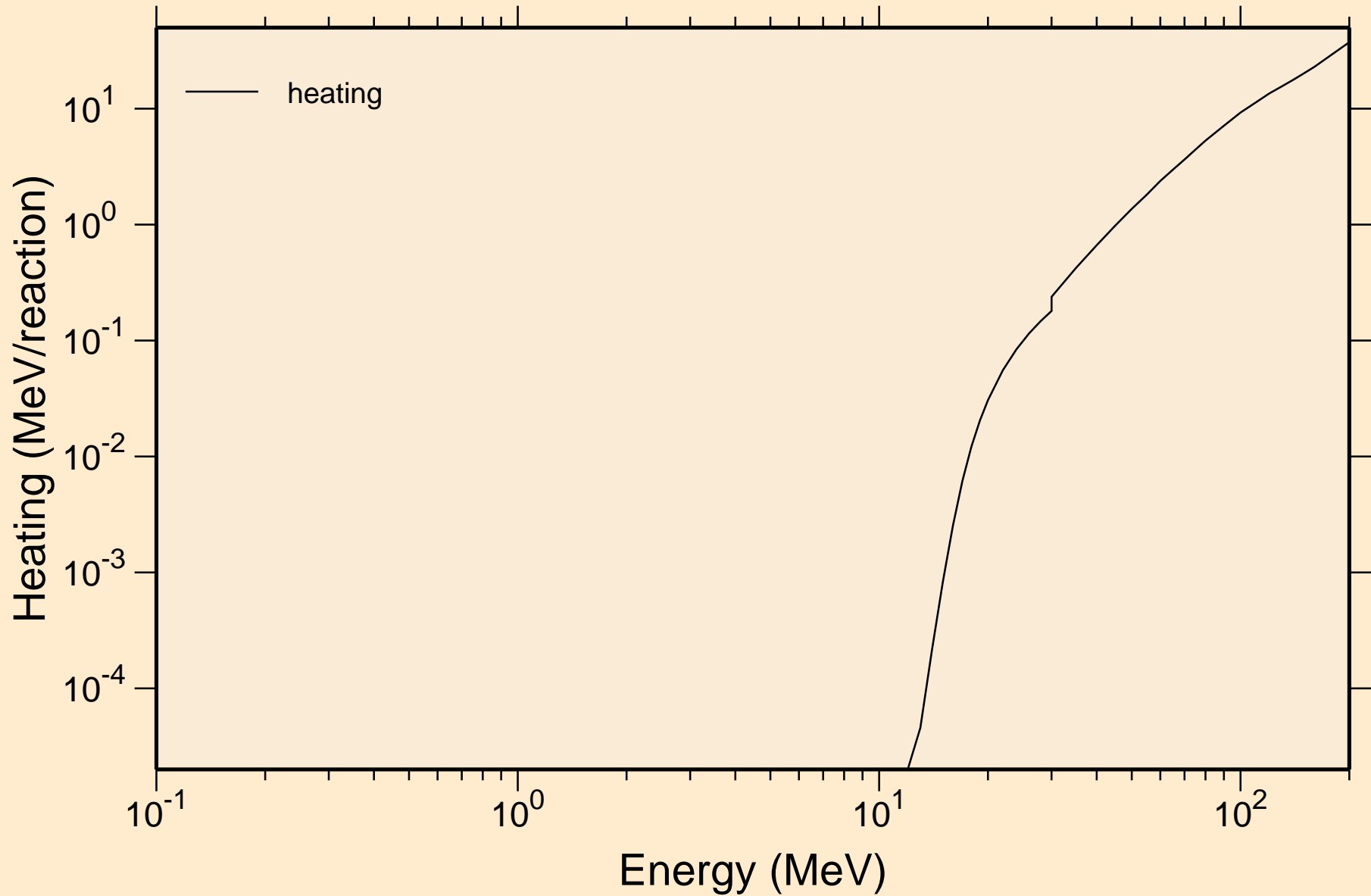


ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Principal cross sections

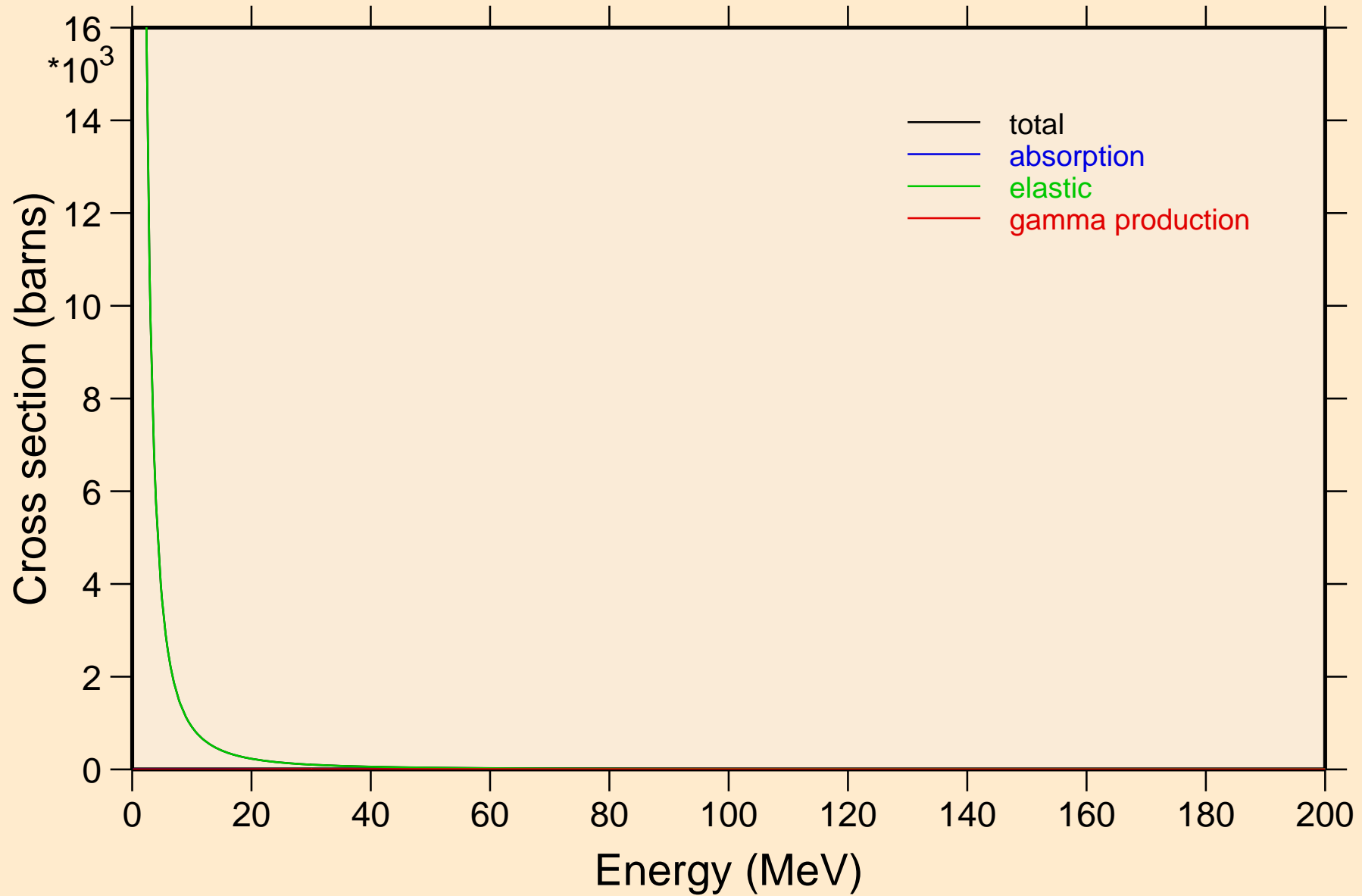


ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Heating



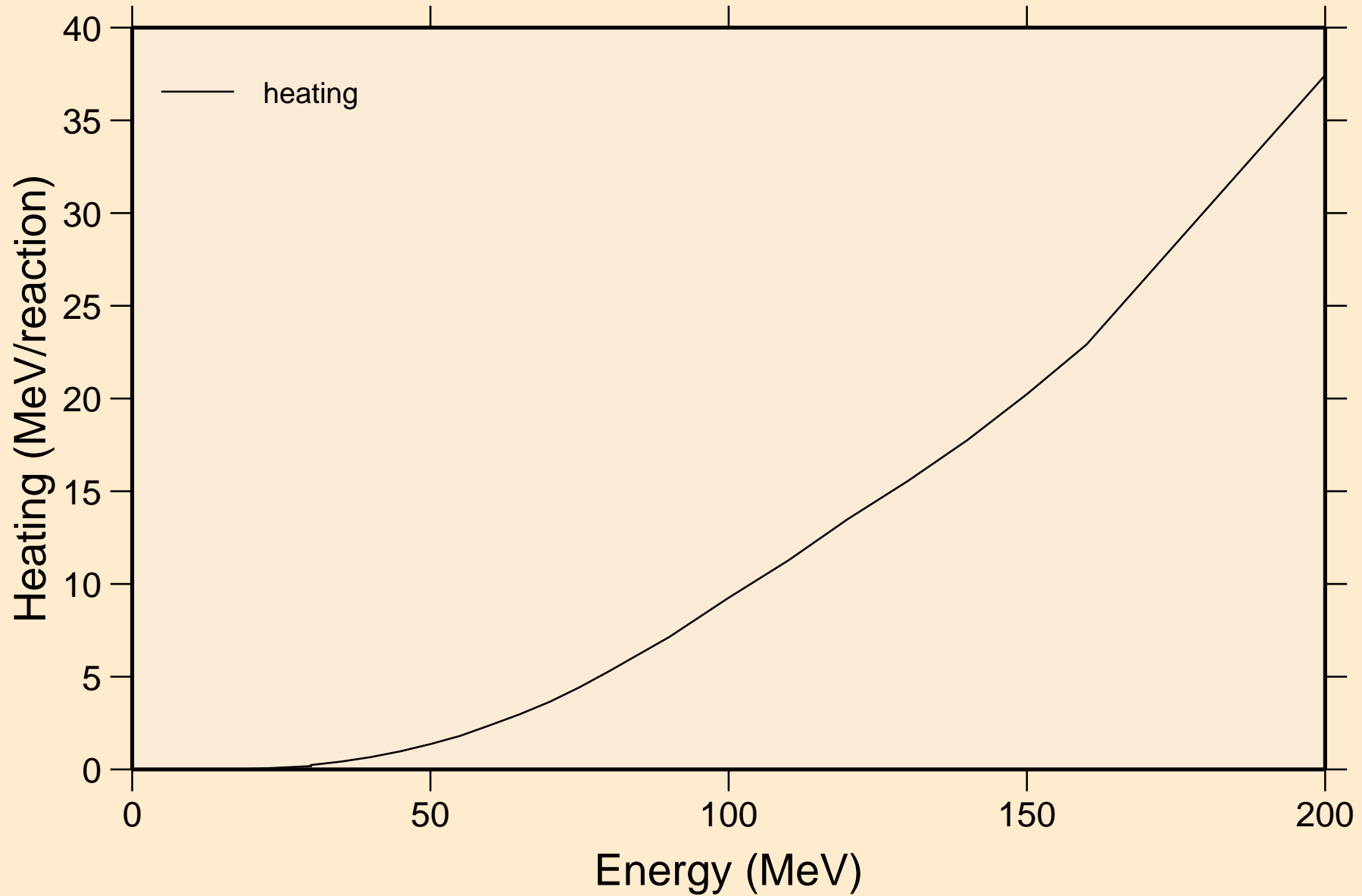
# ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections

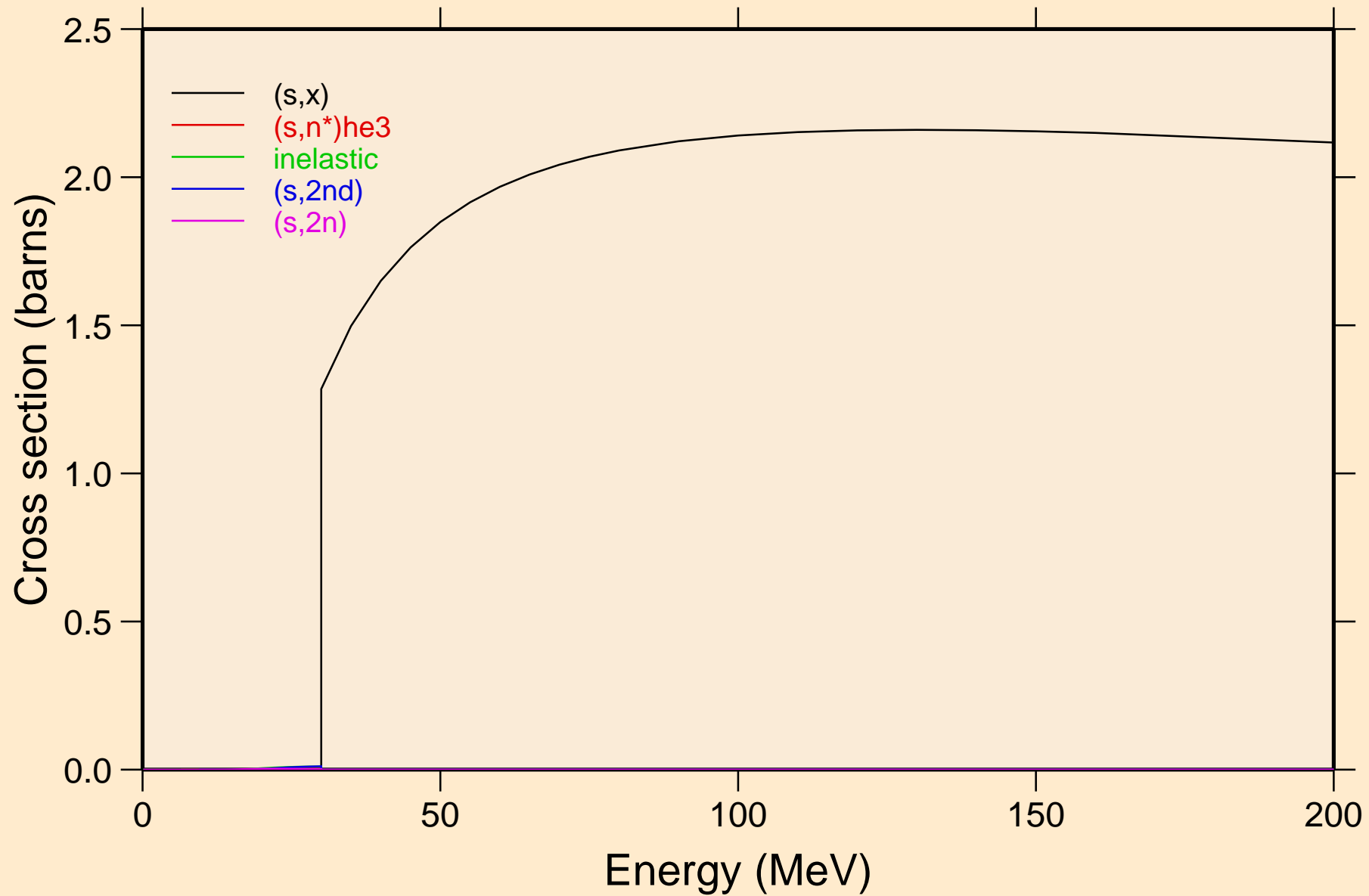


ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K

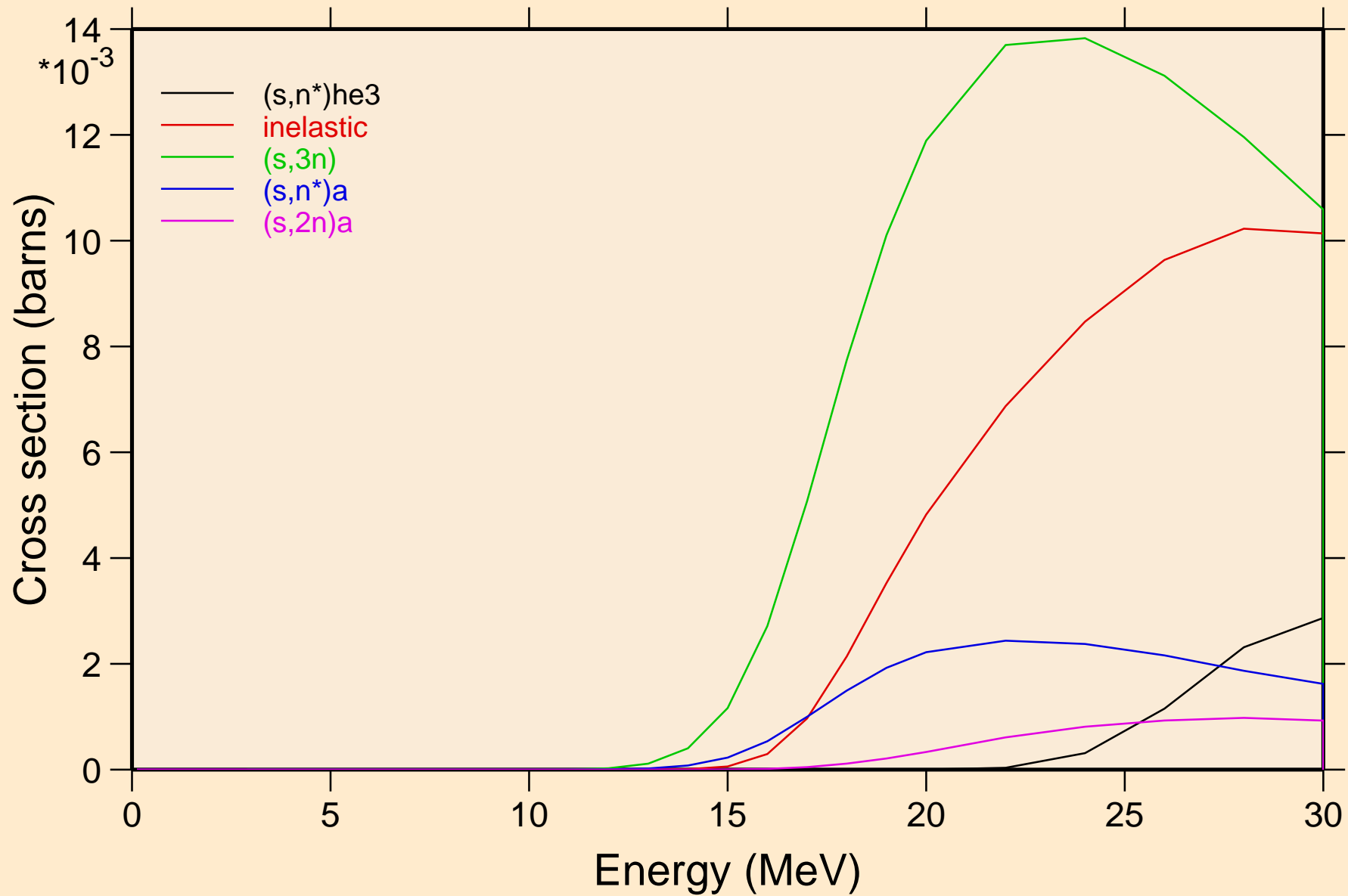
Heating



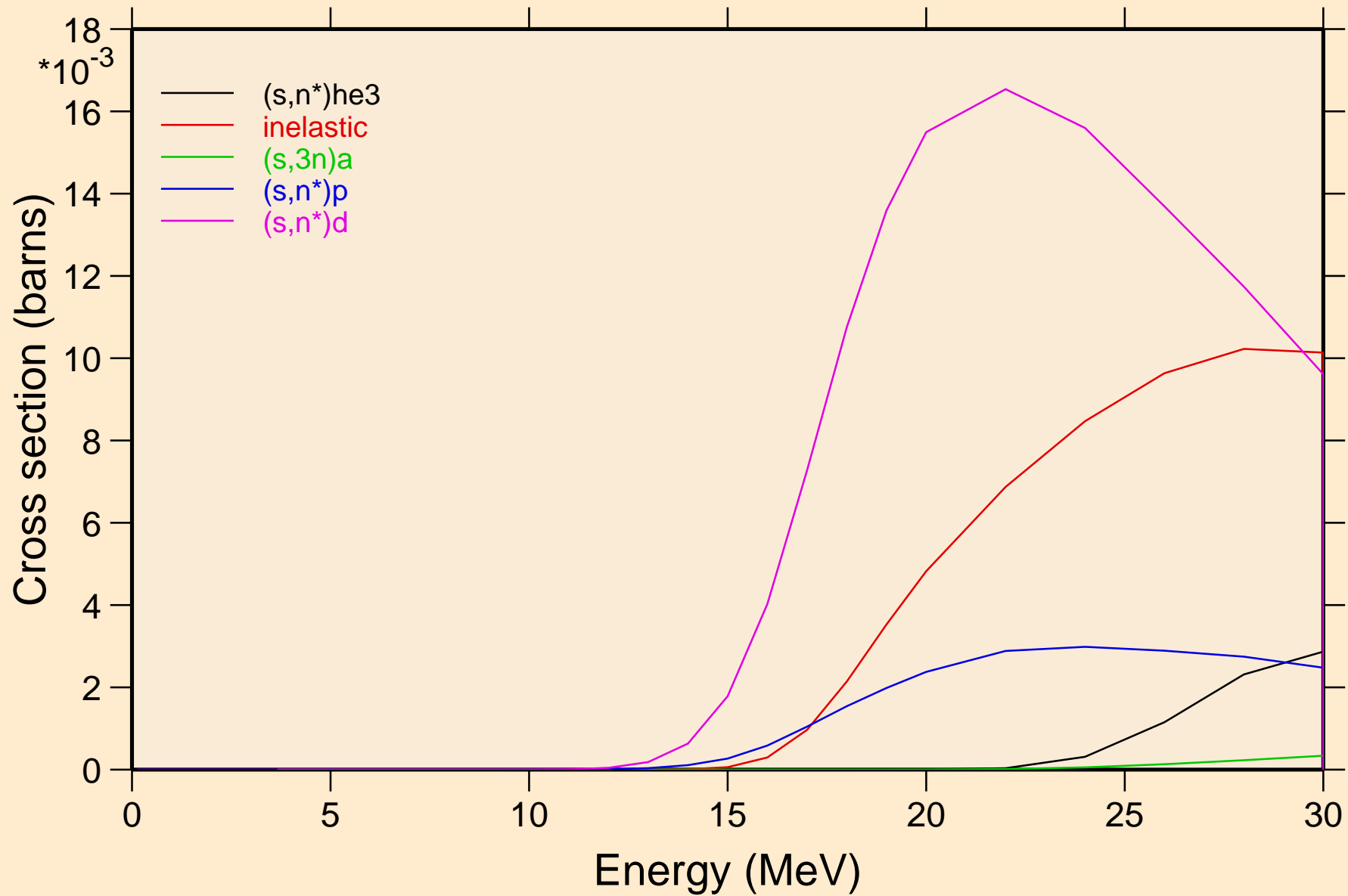
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



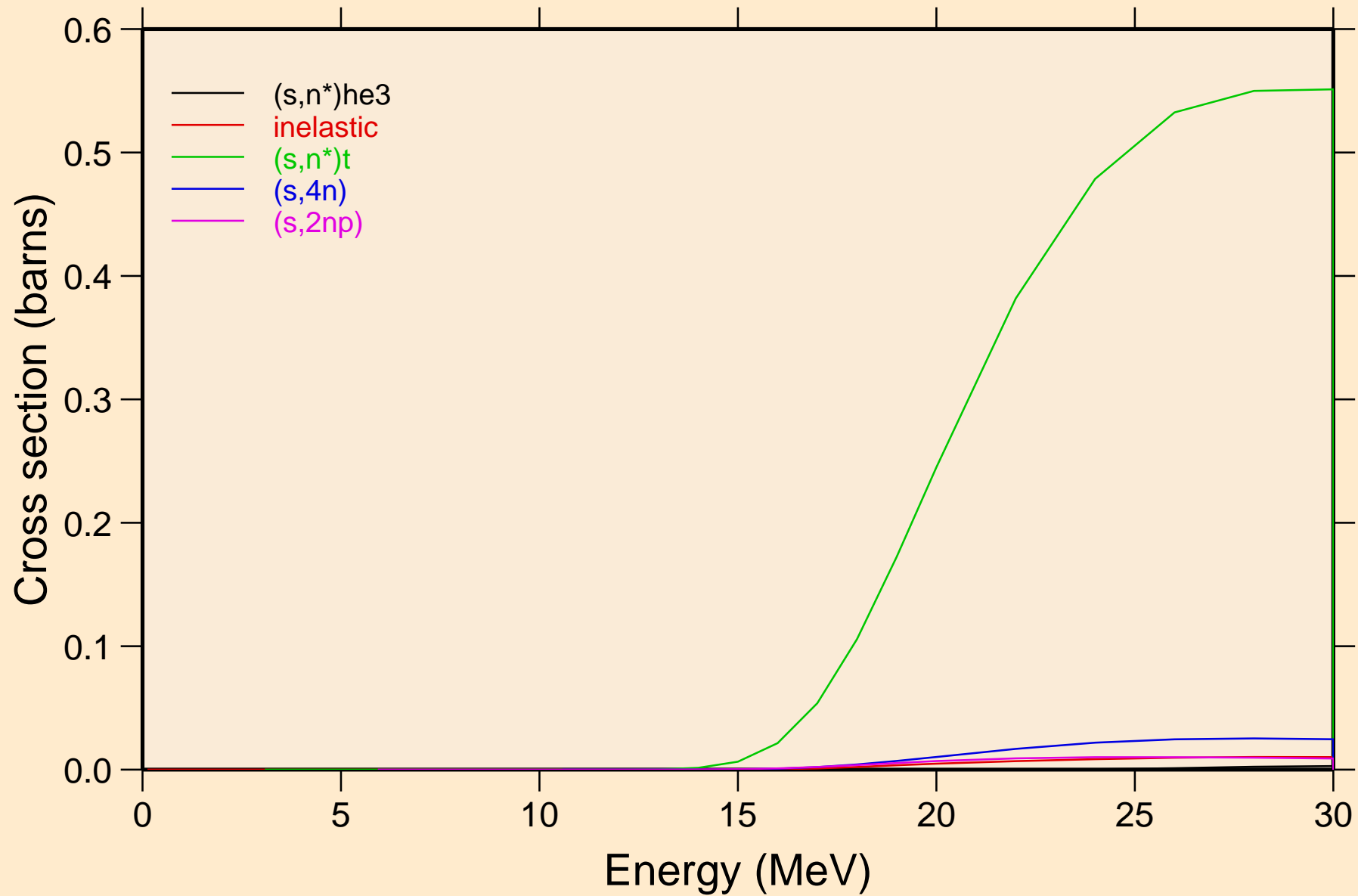
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

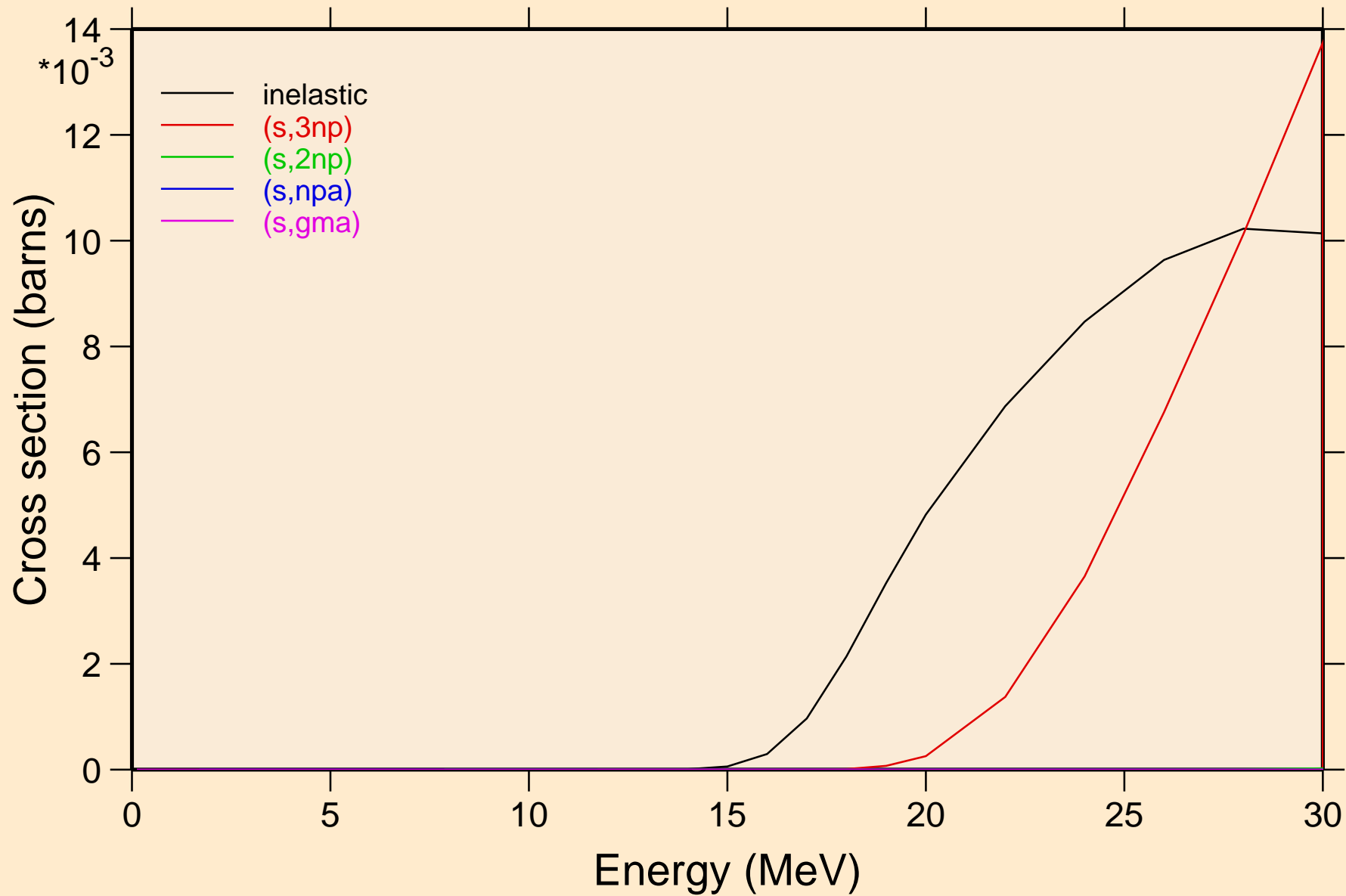


ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



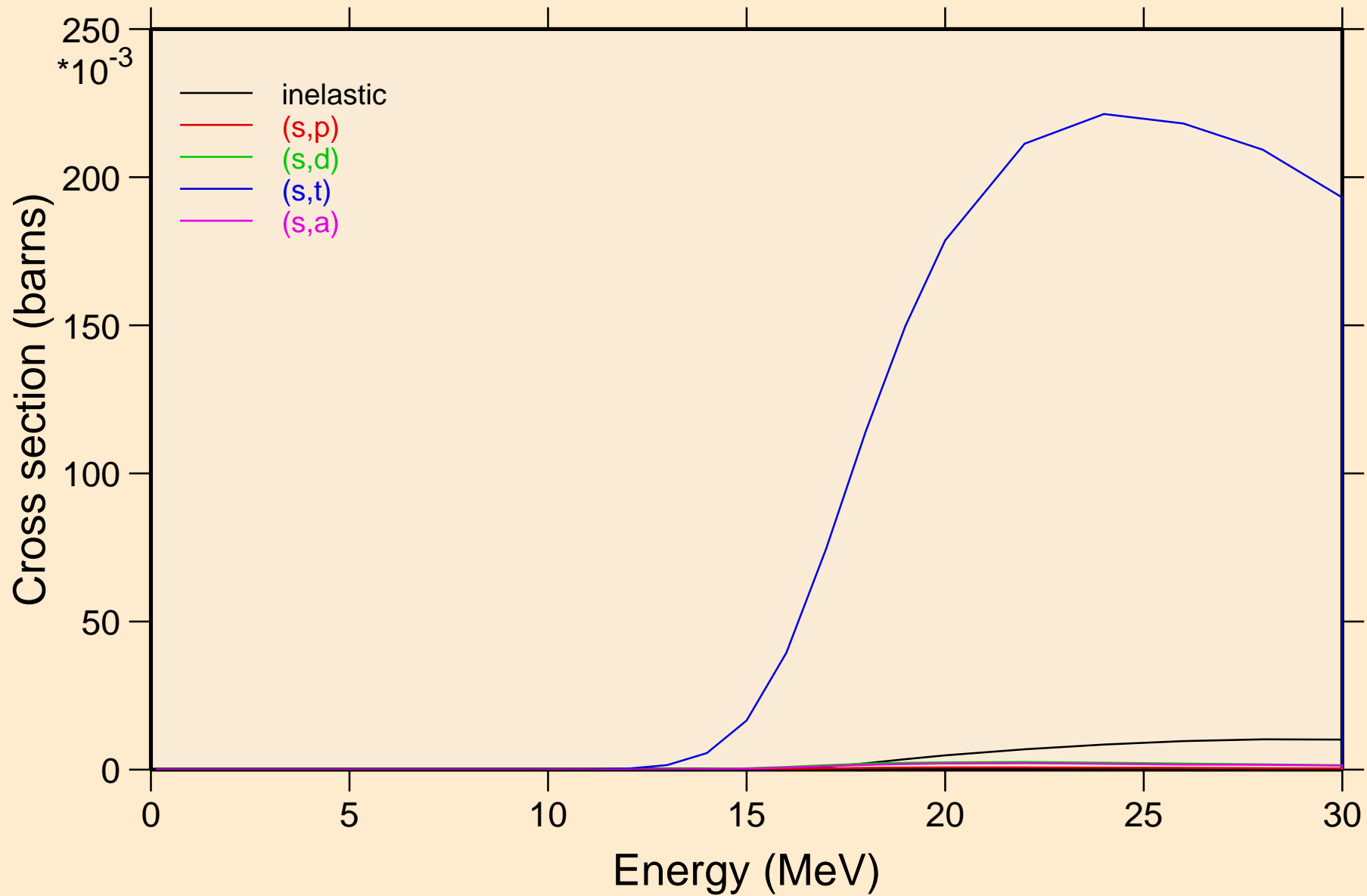


ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

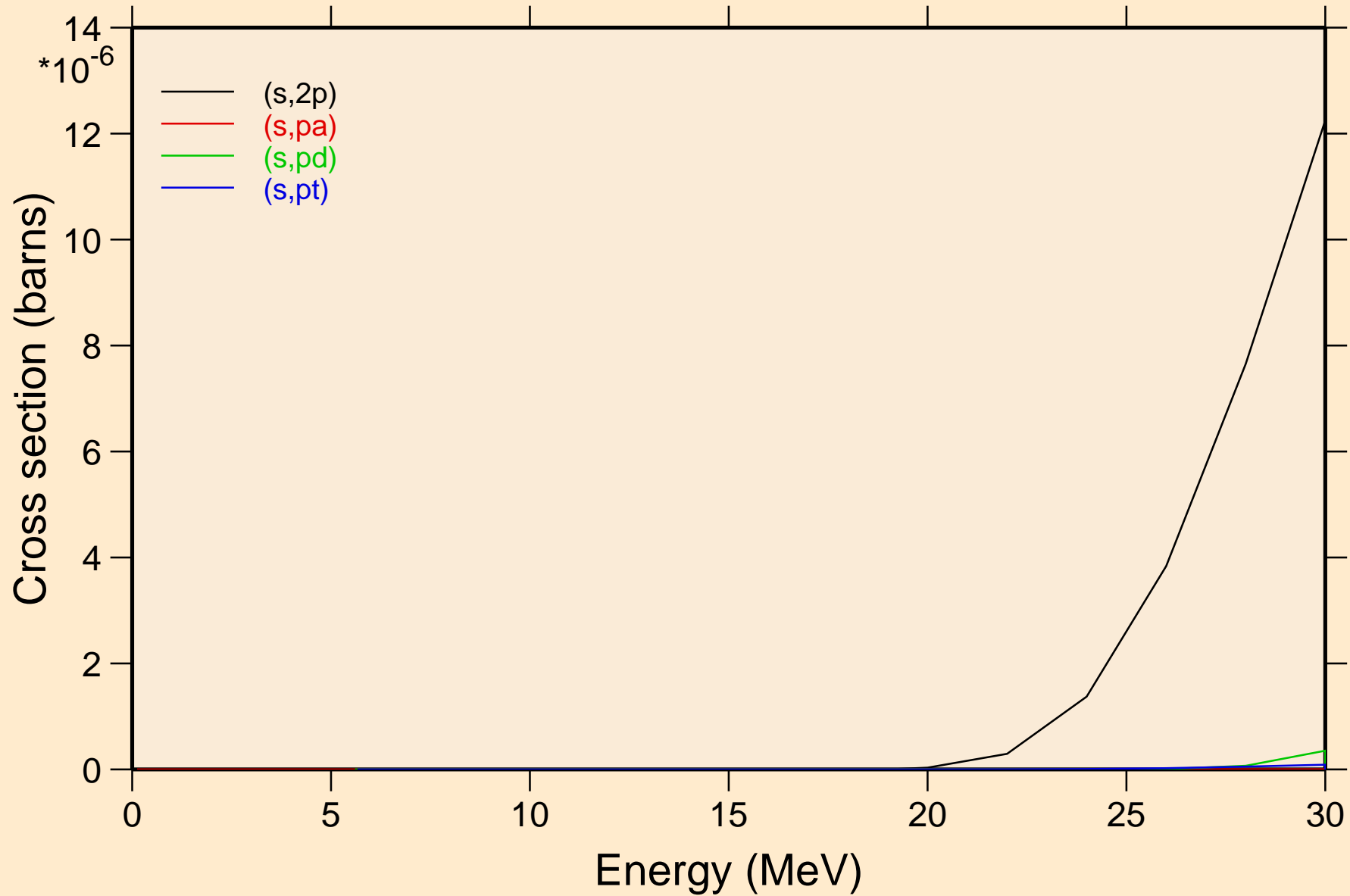


# ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K

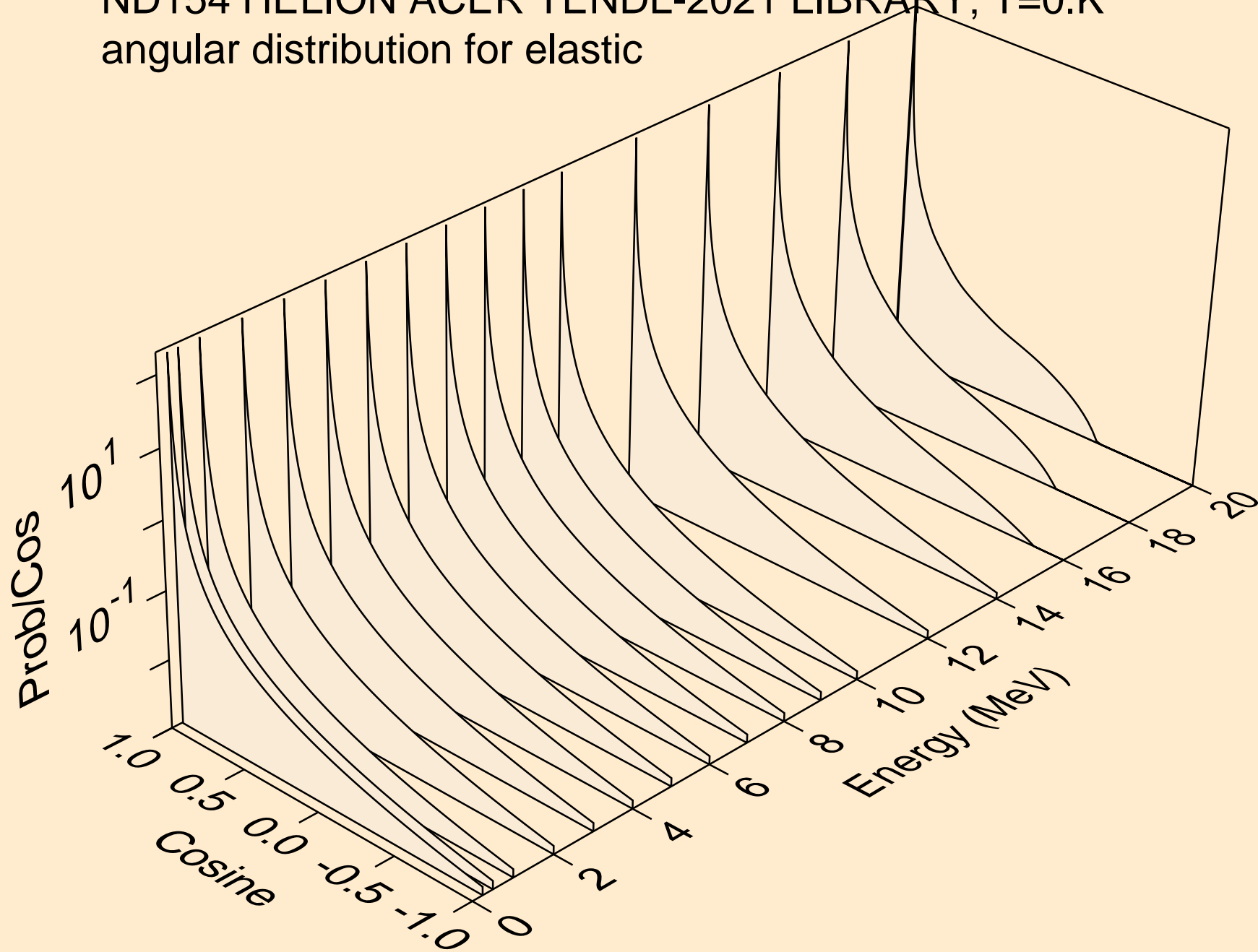
## Threshold reactions



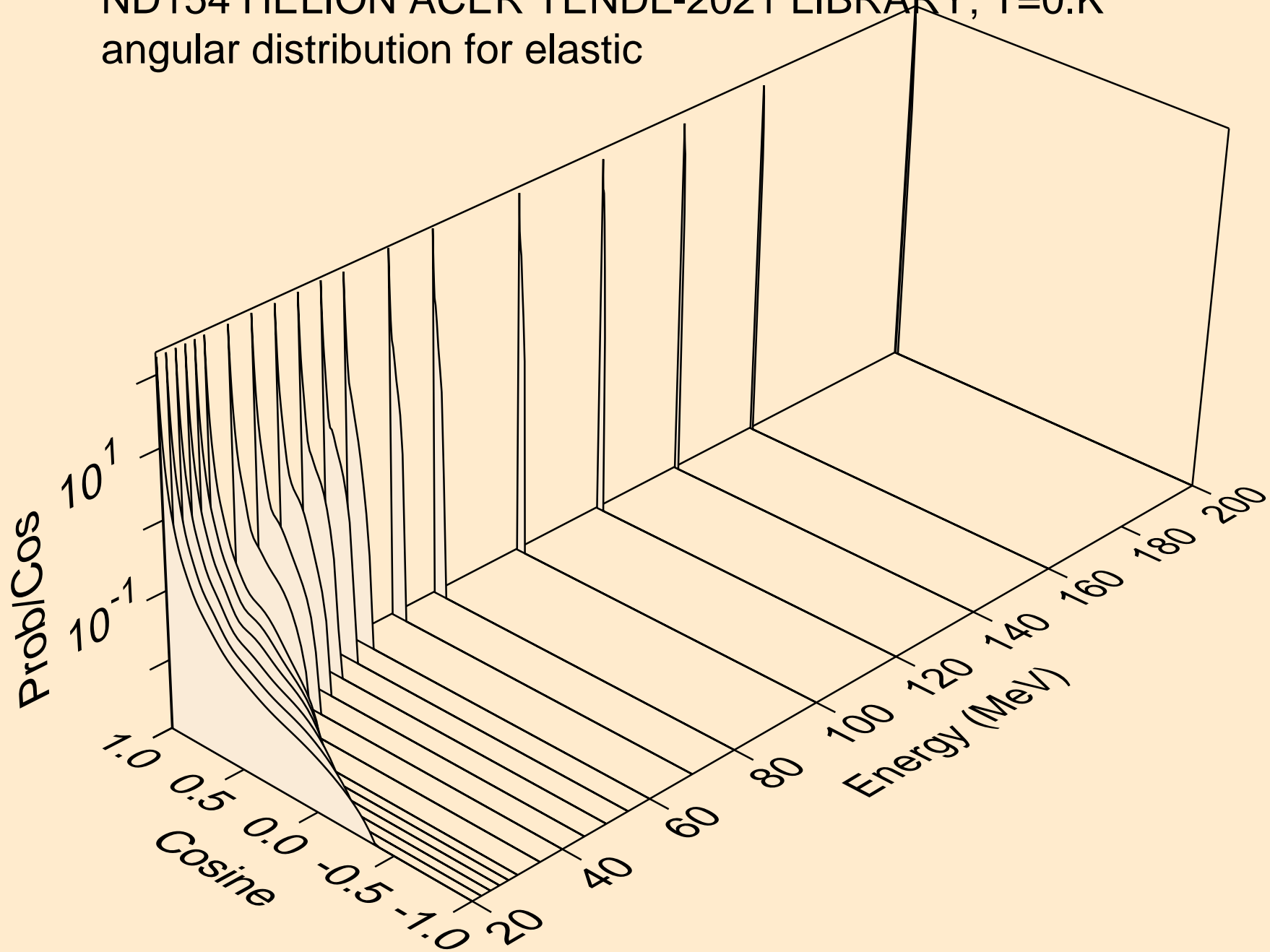
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



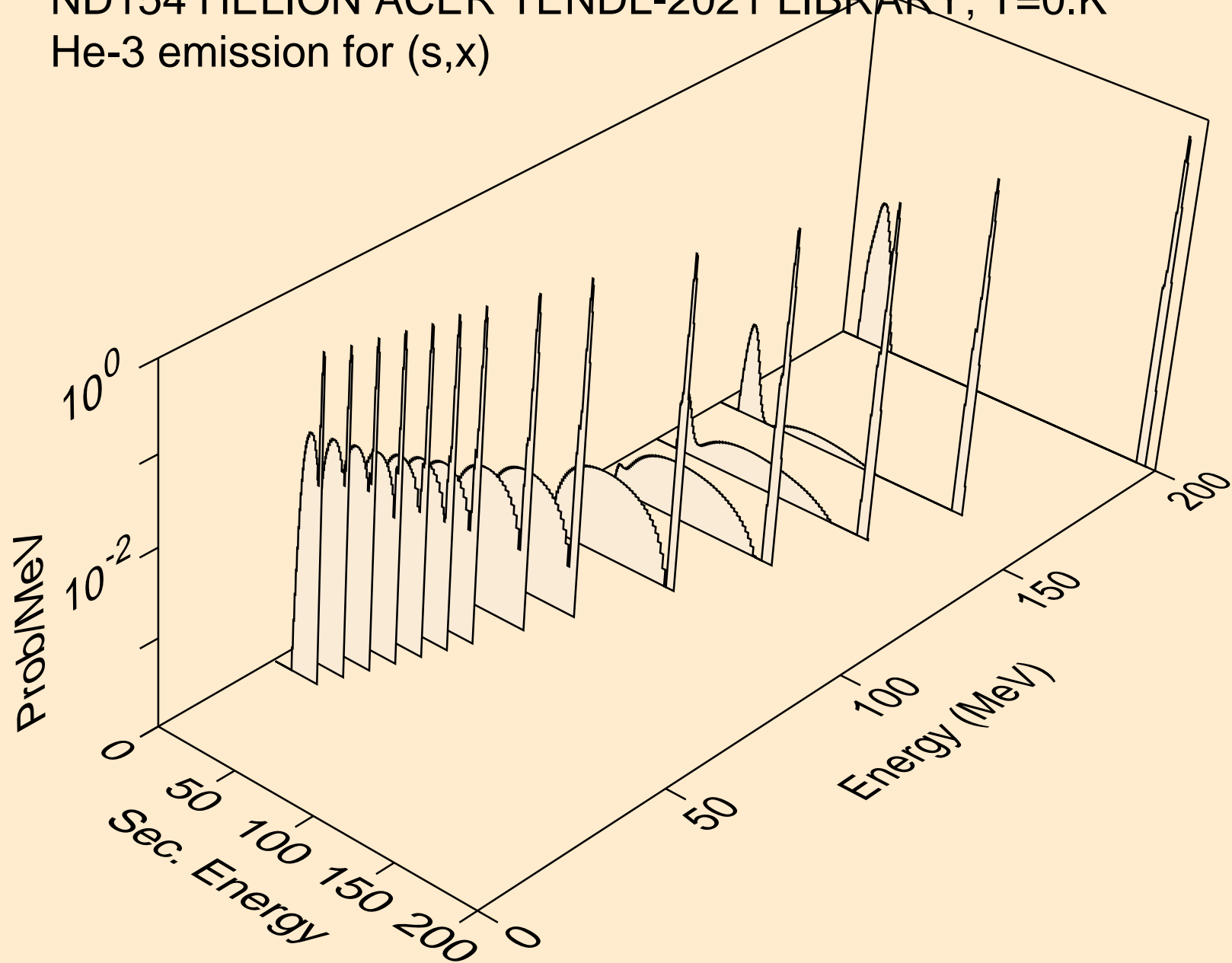
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



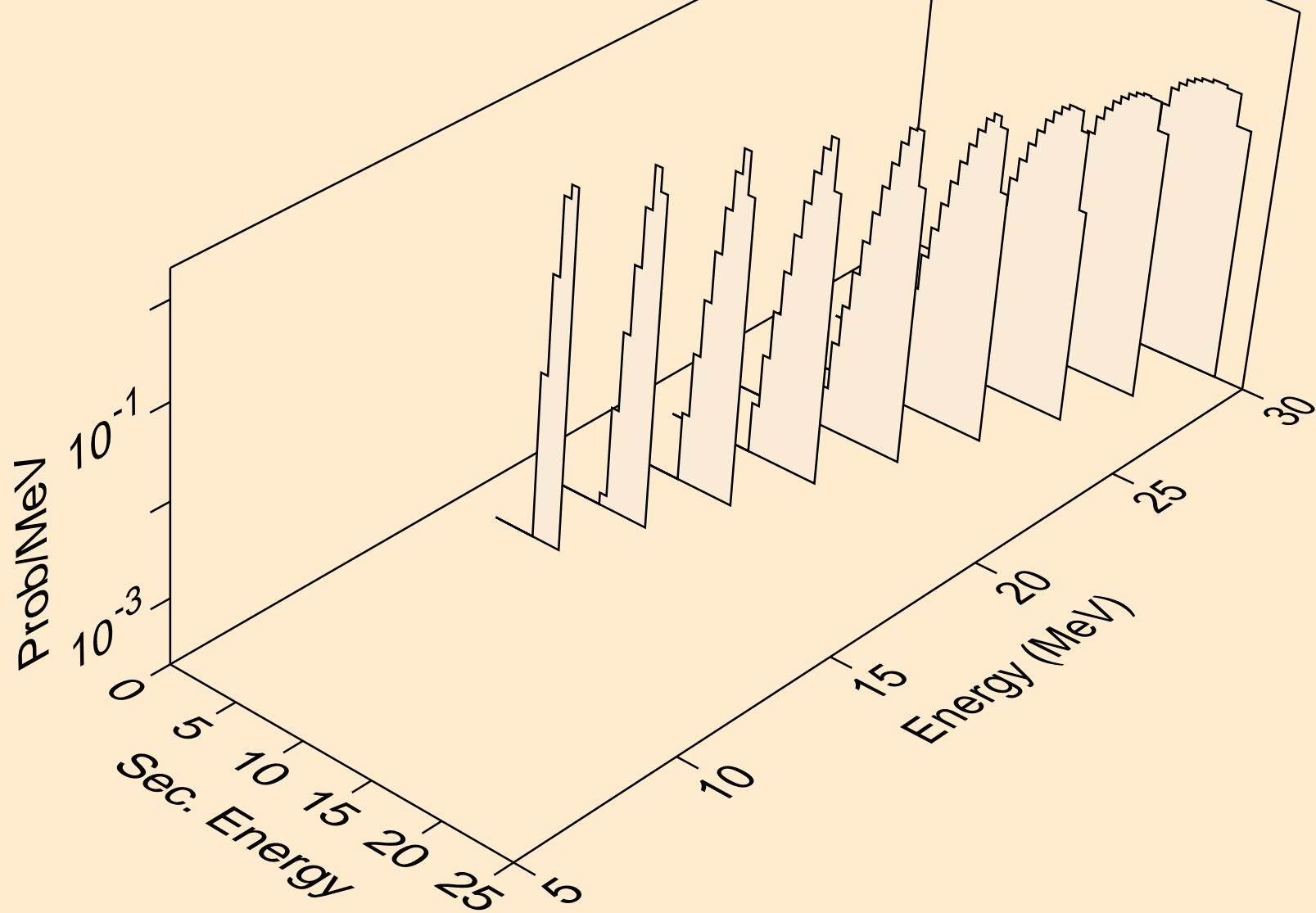
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



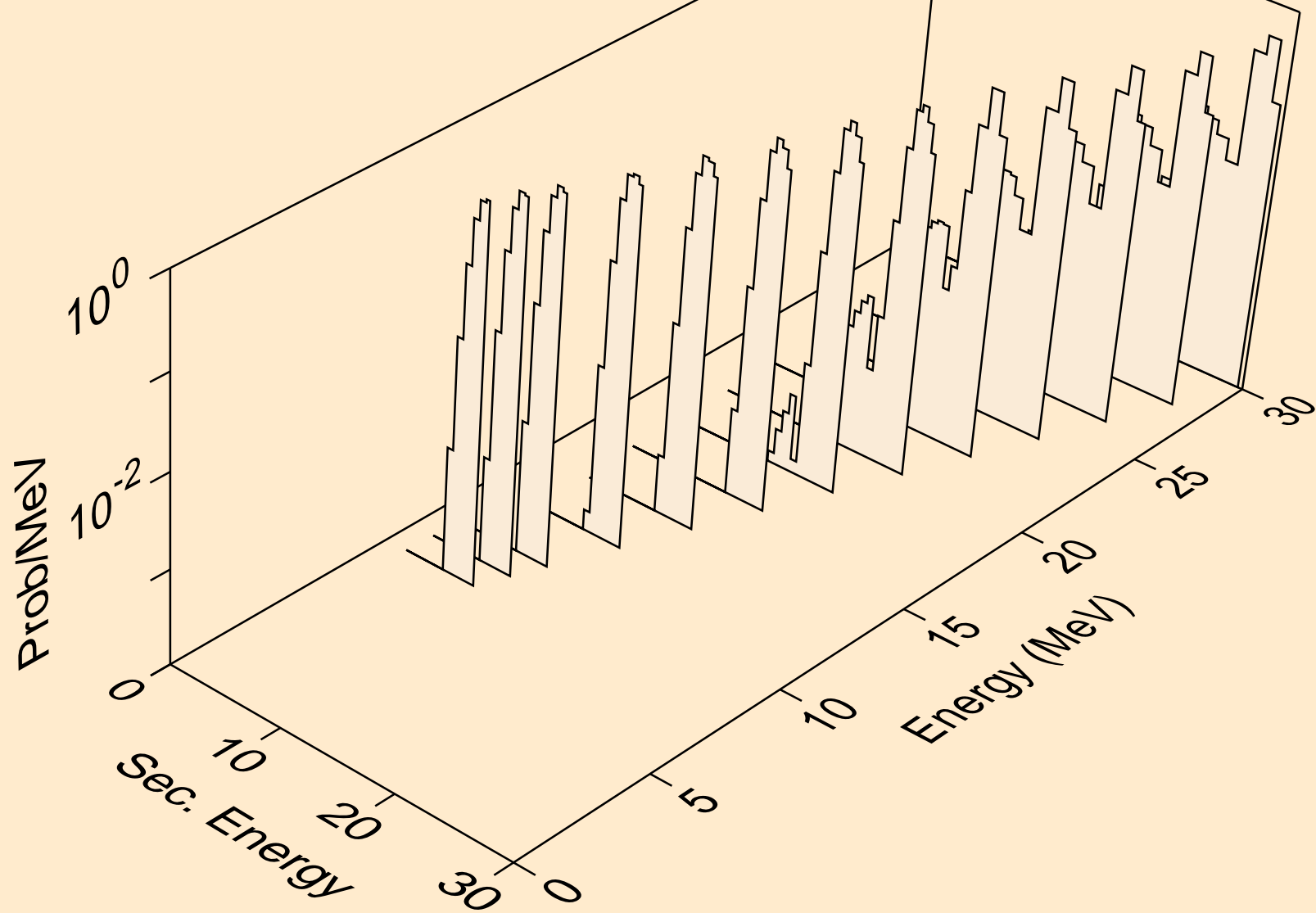
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,x)



ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

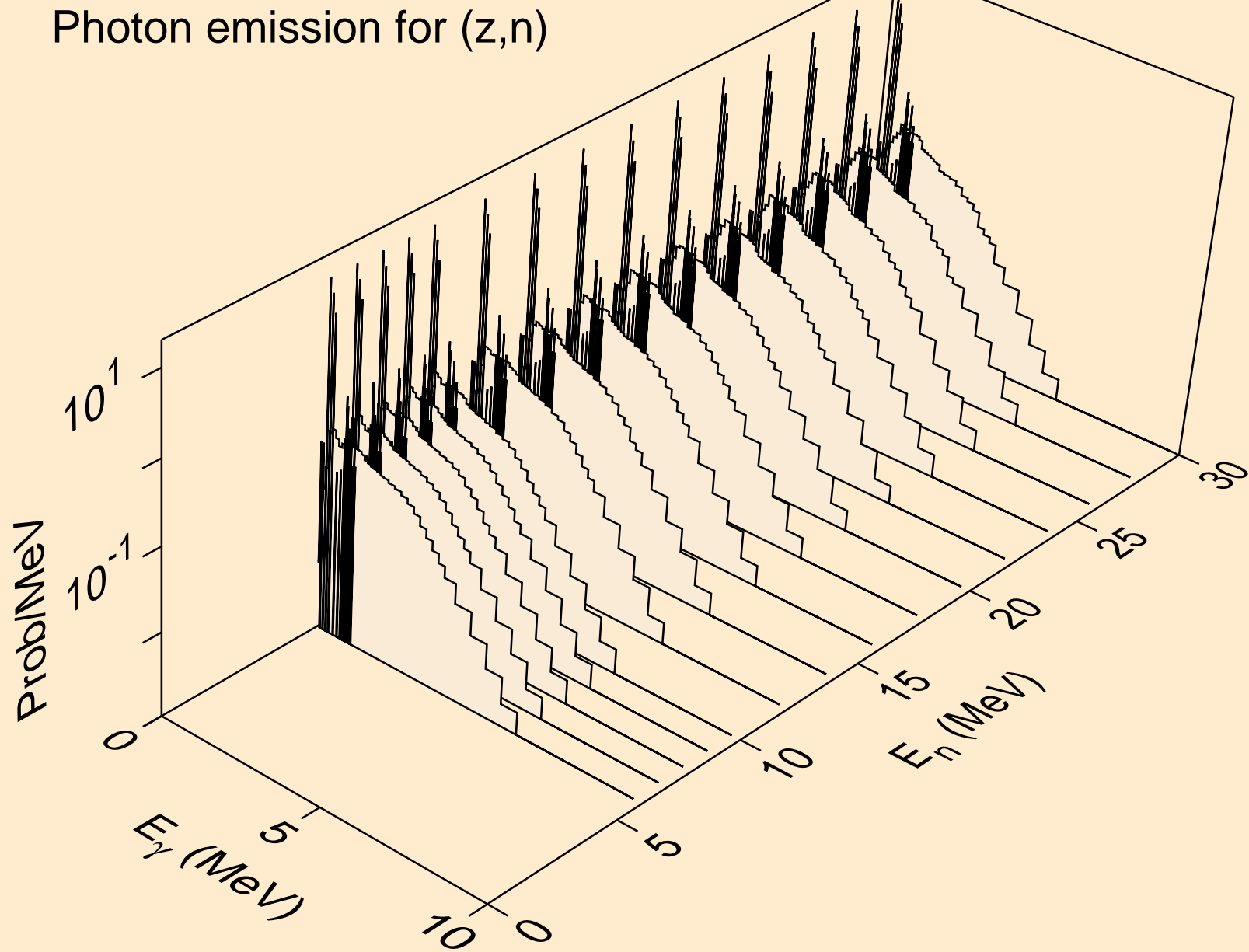


ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for inelastic

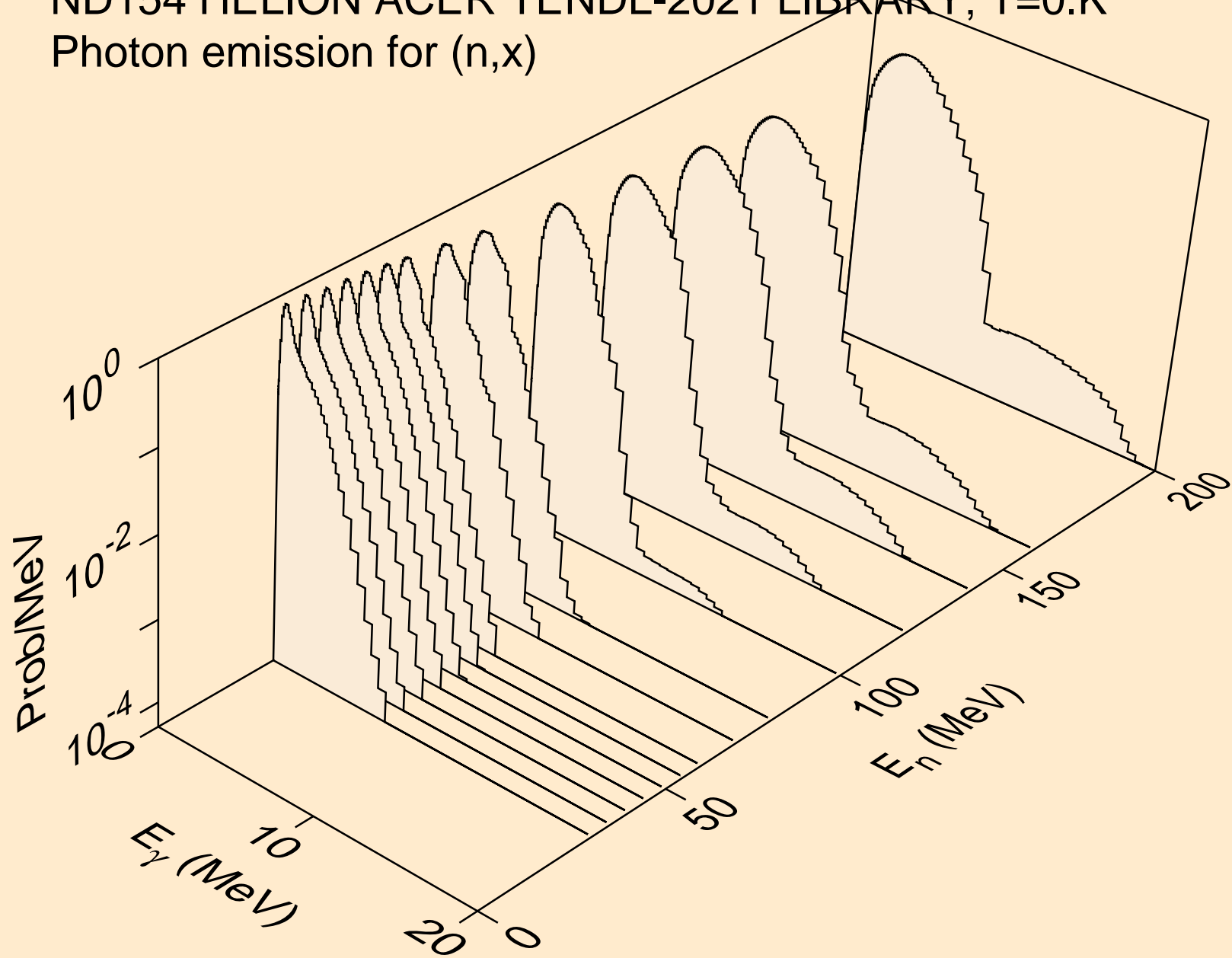




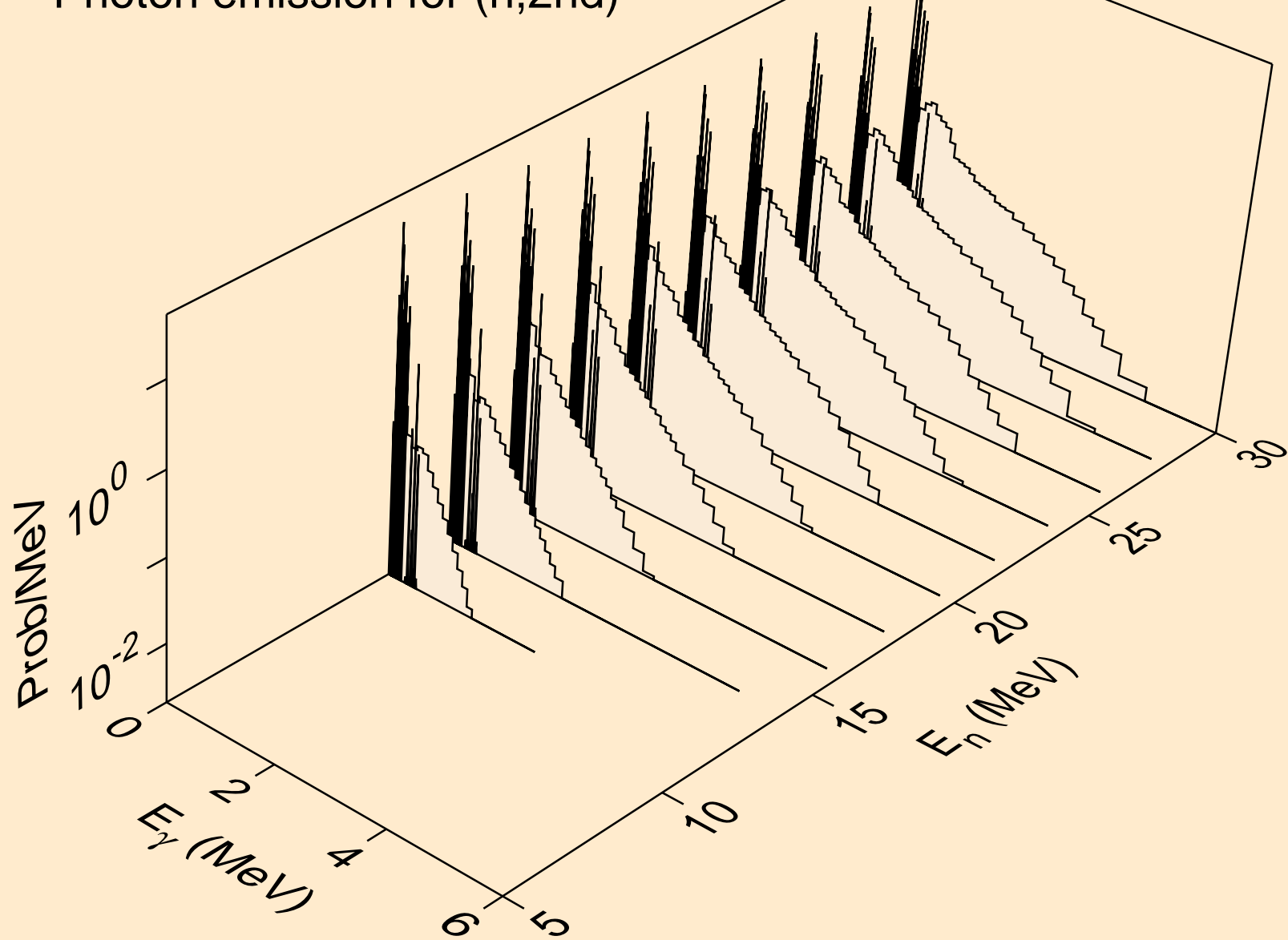
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



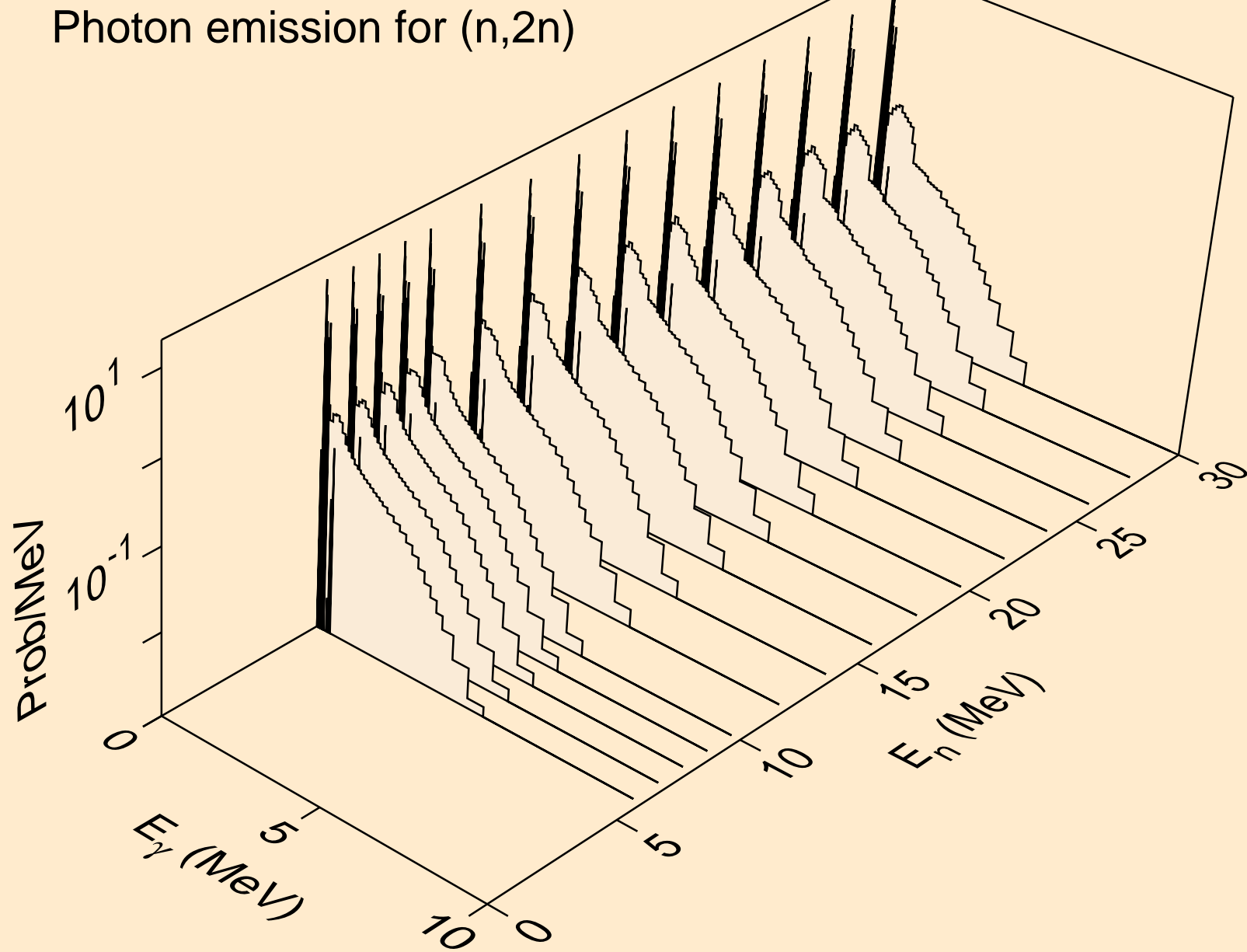
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



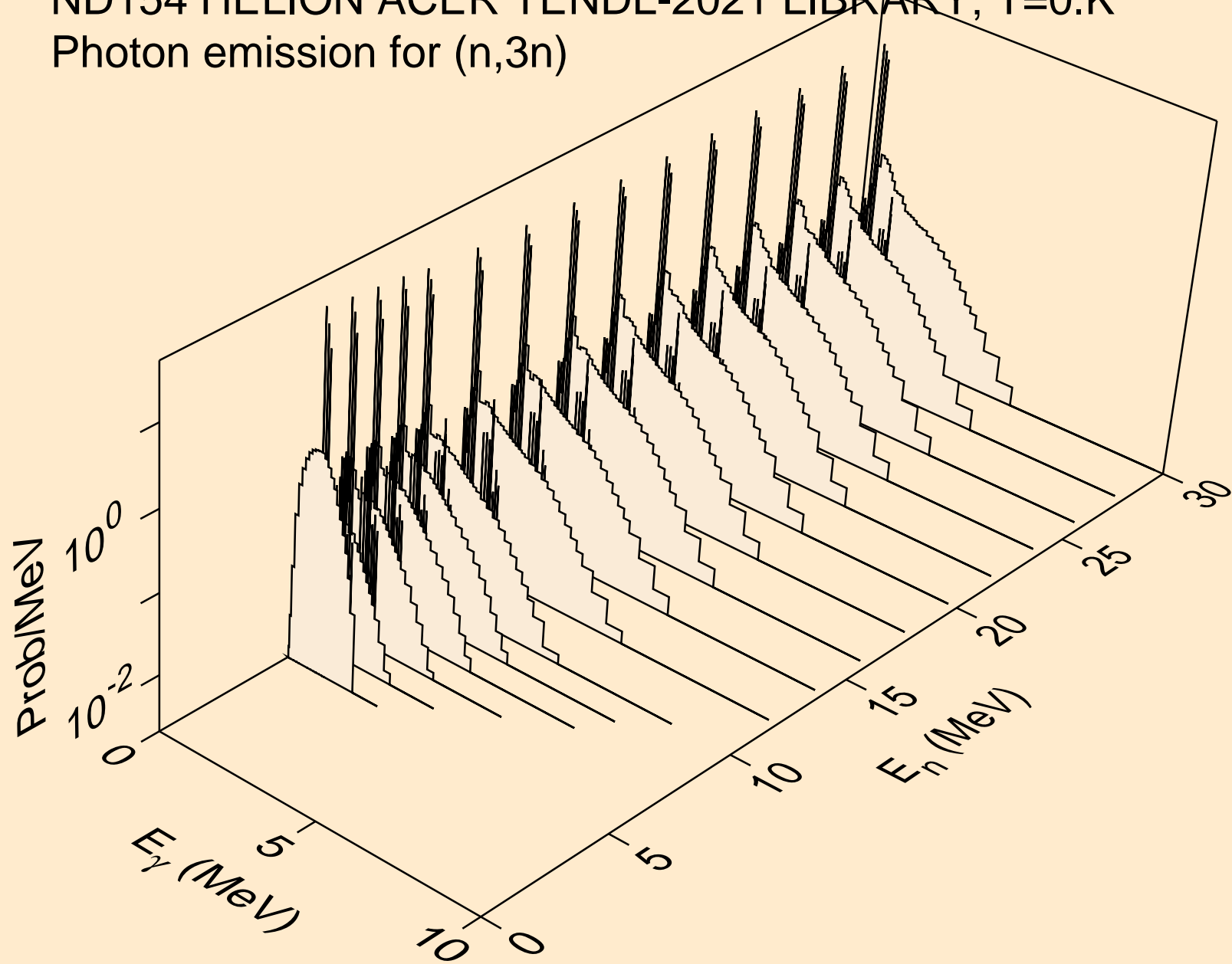
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)



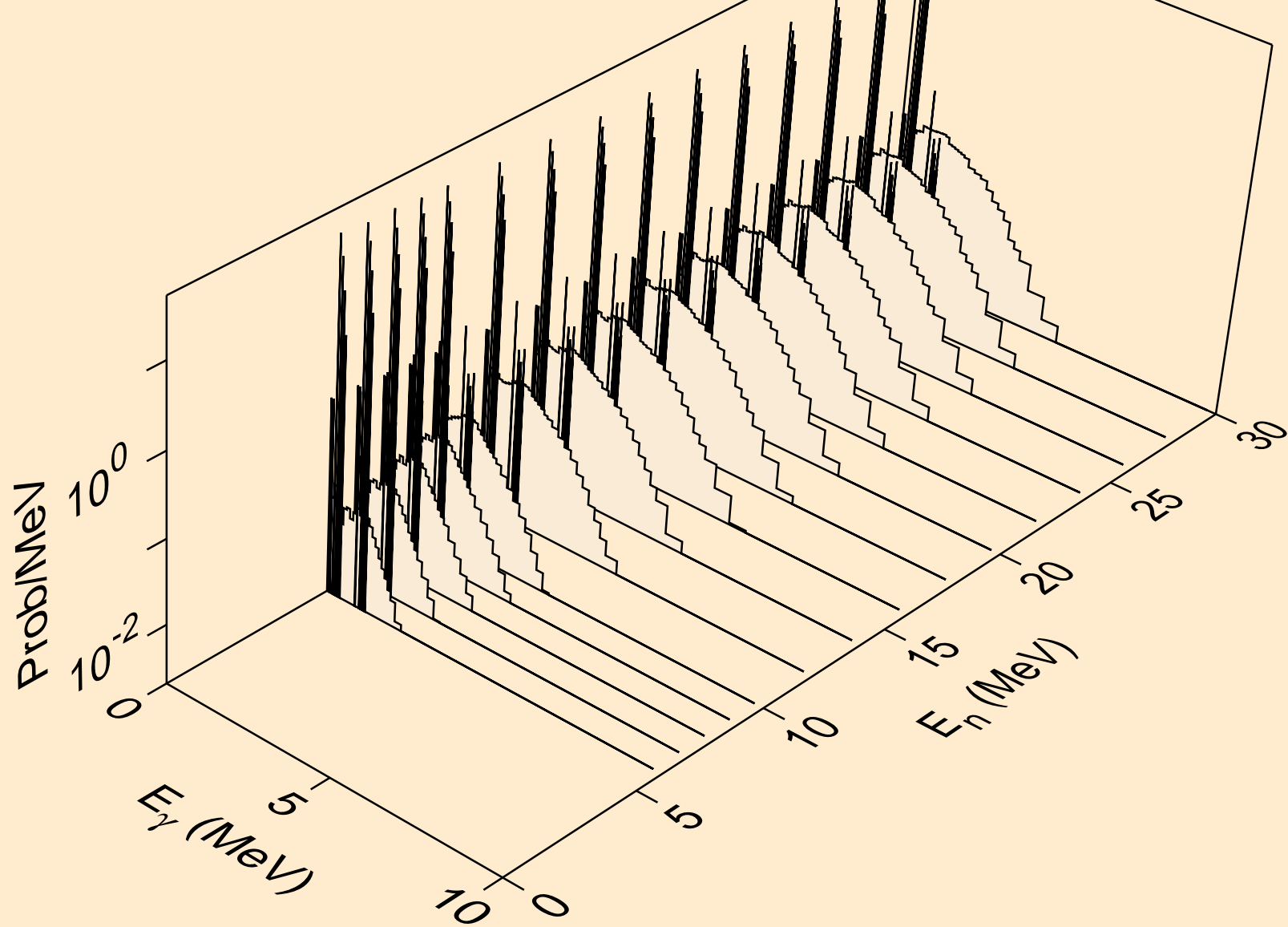
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)



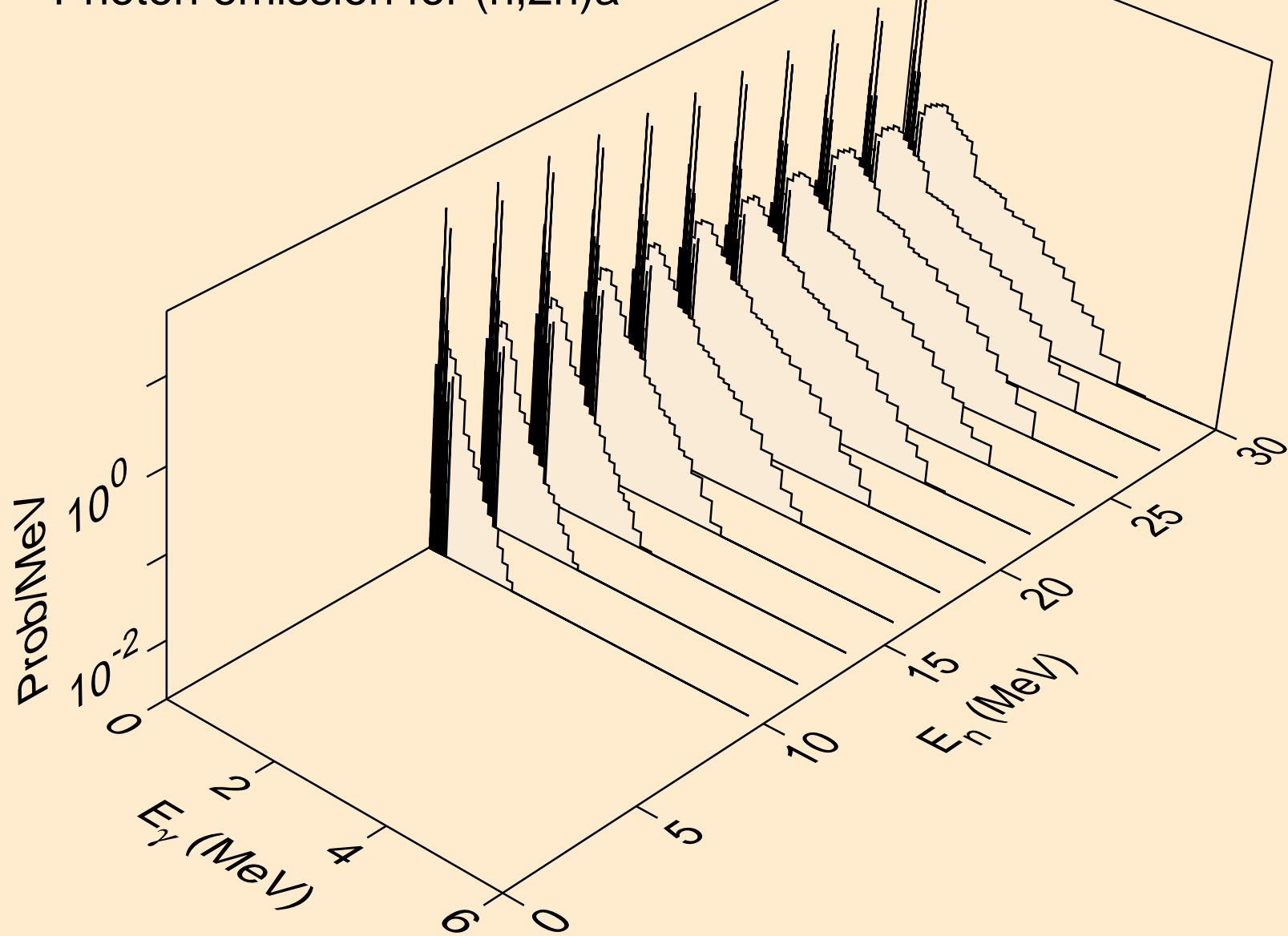
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)



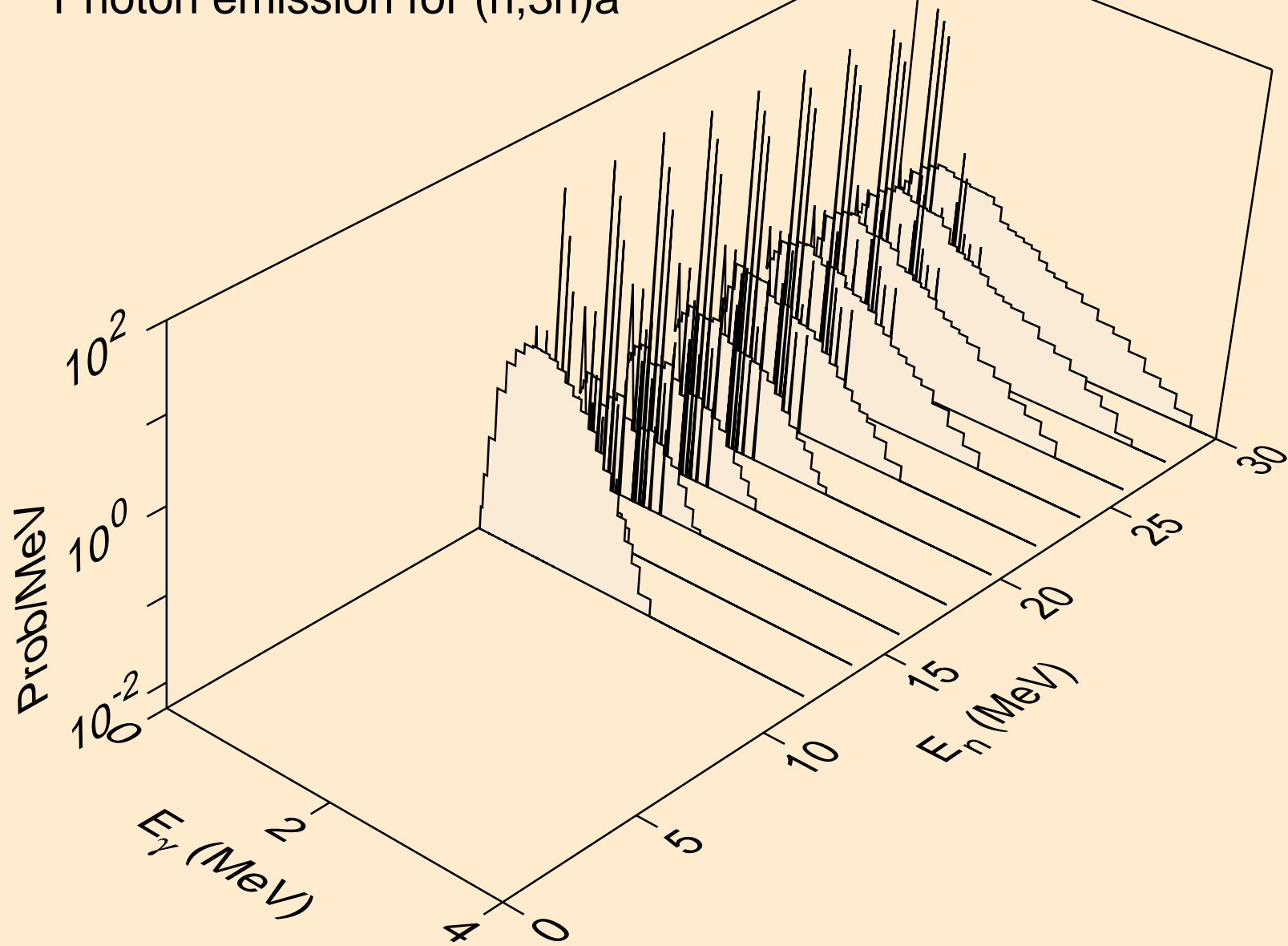
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)a

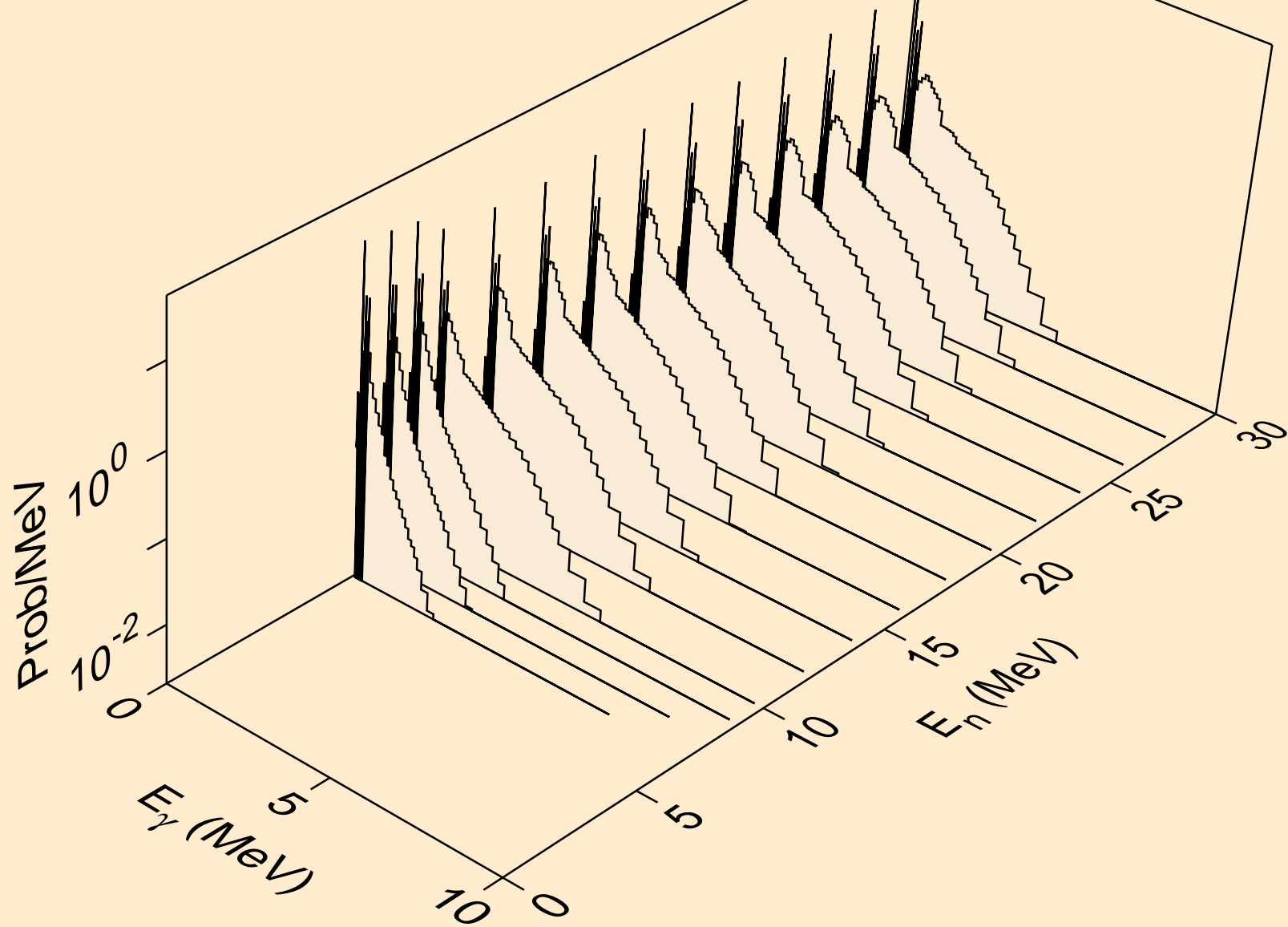


ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)a

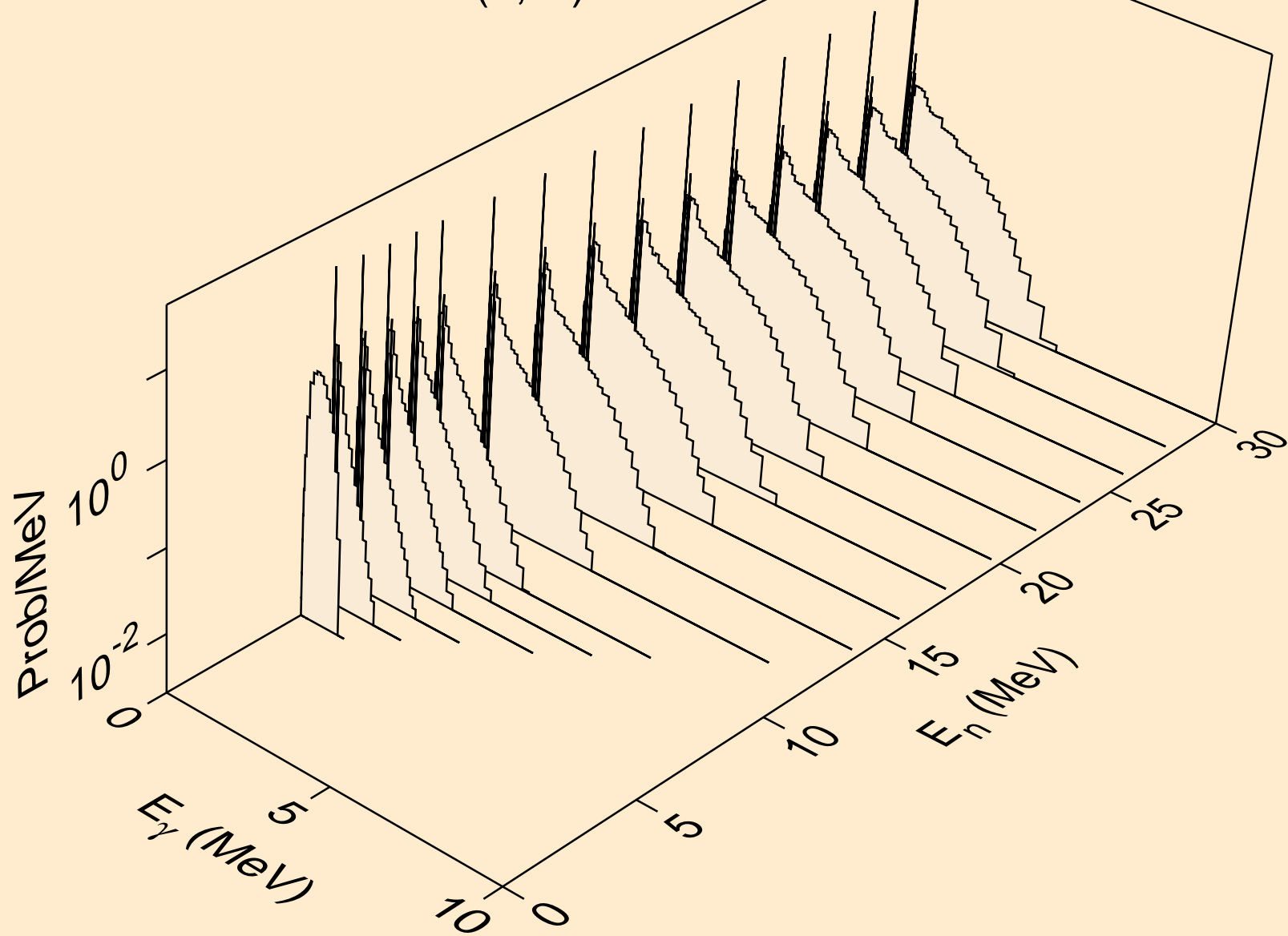




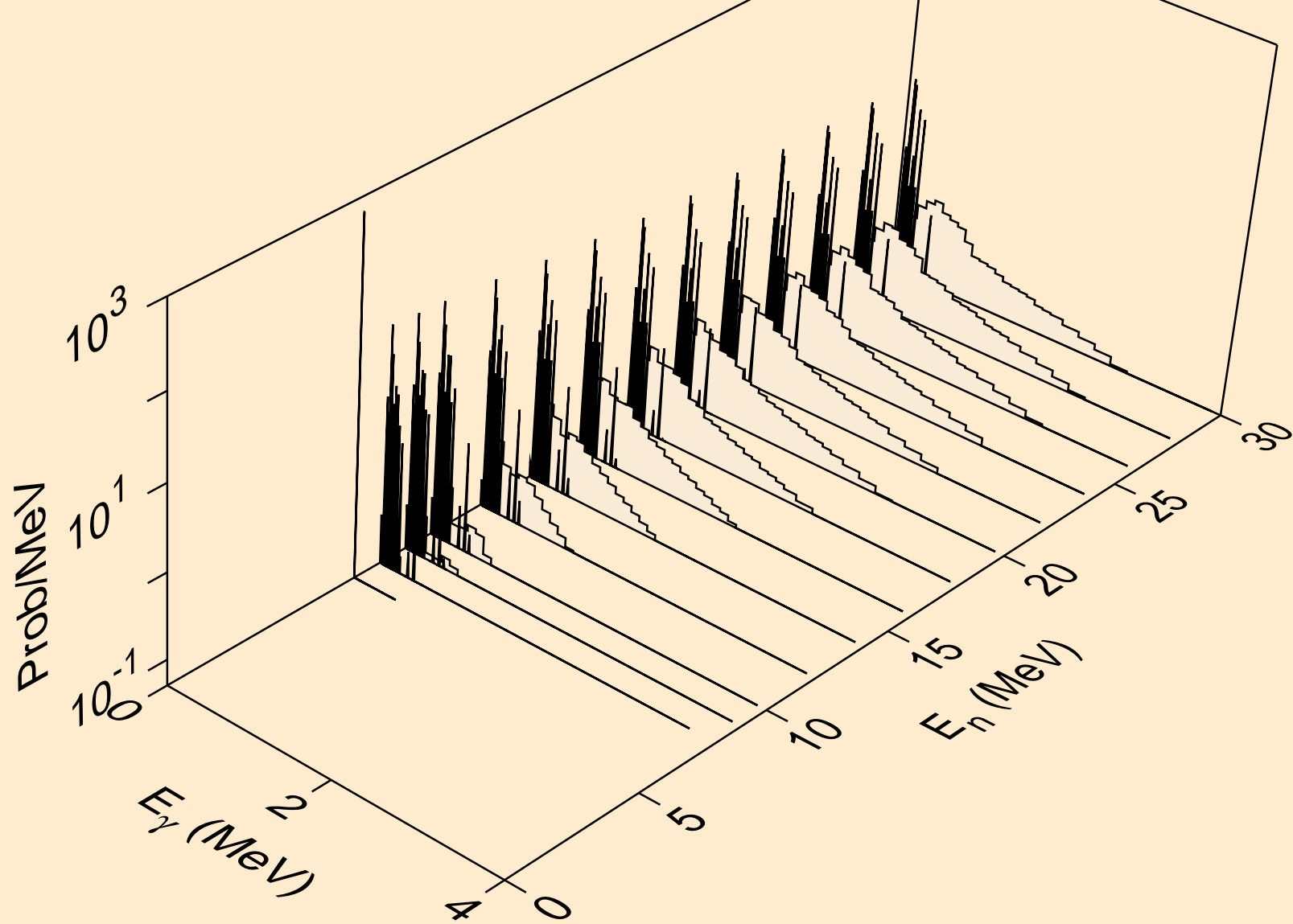
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



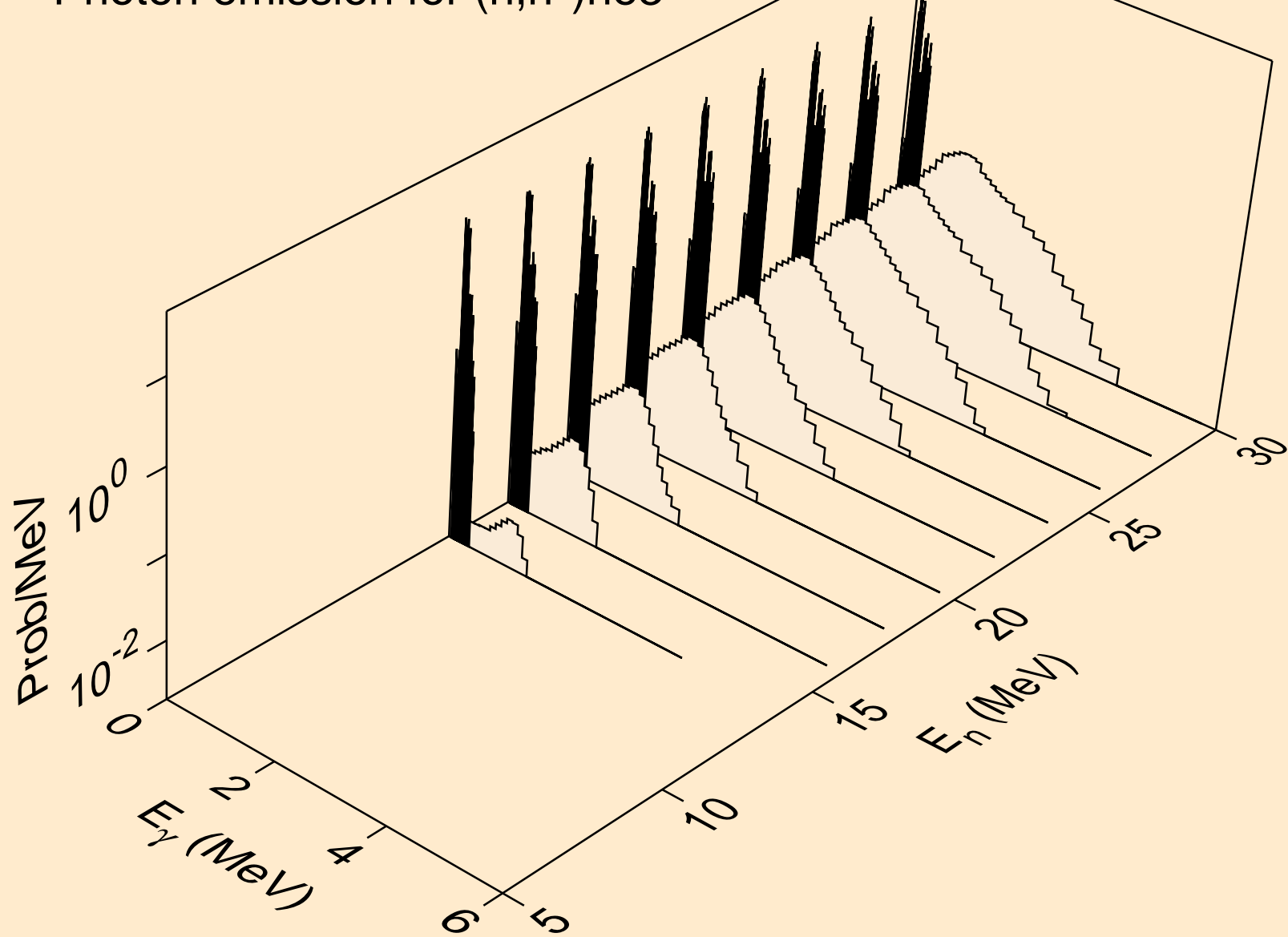
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



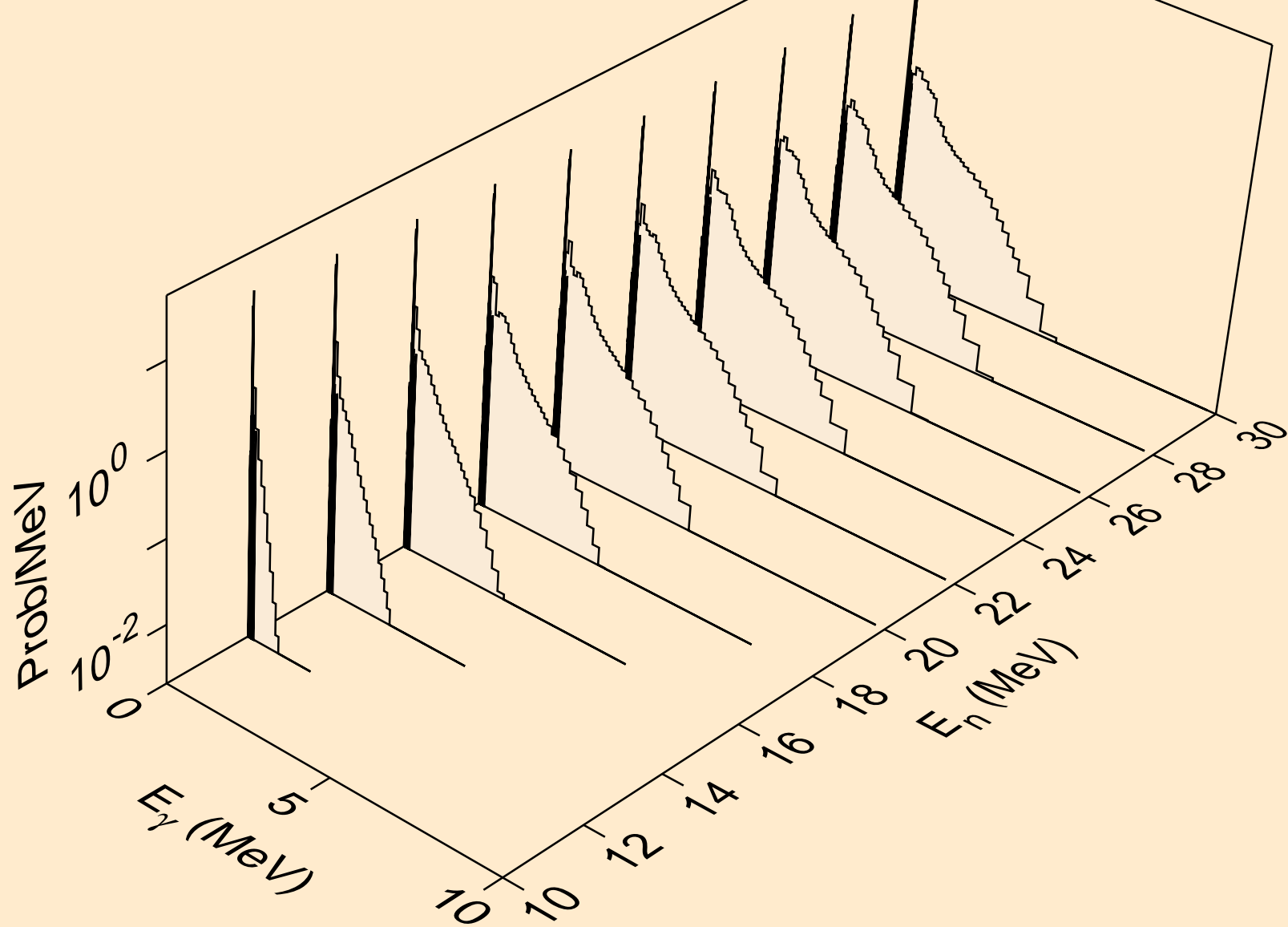
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



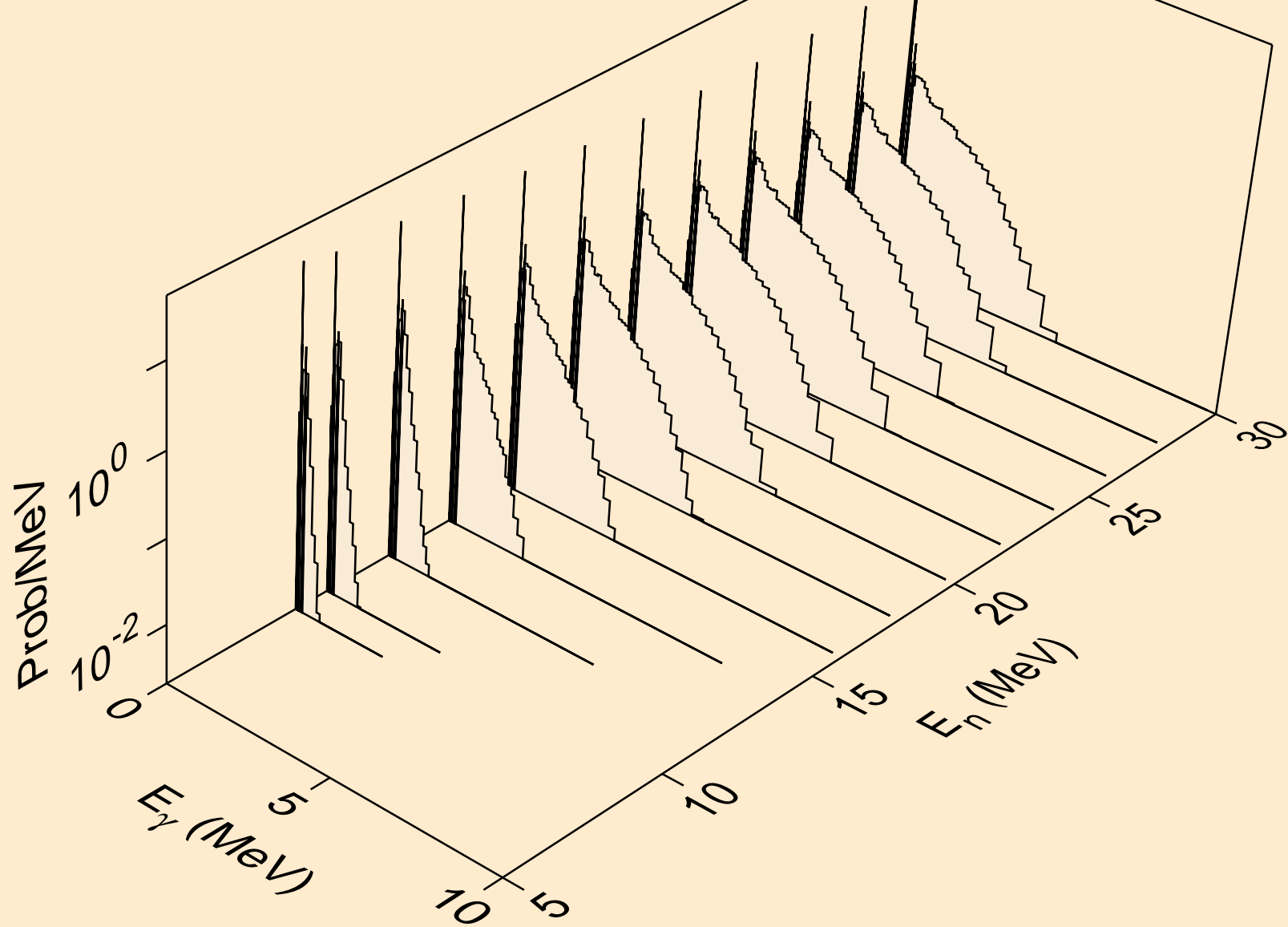
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



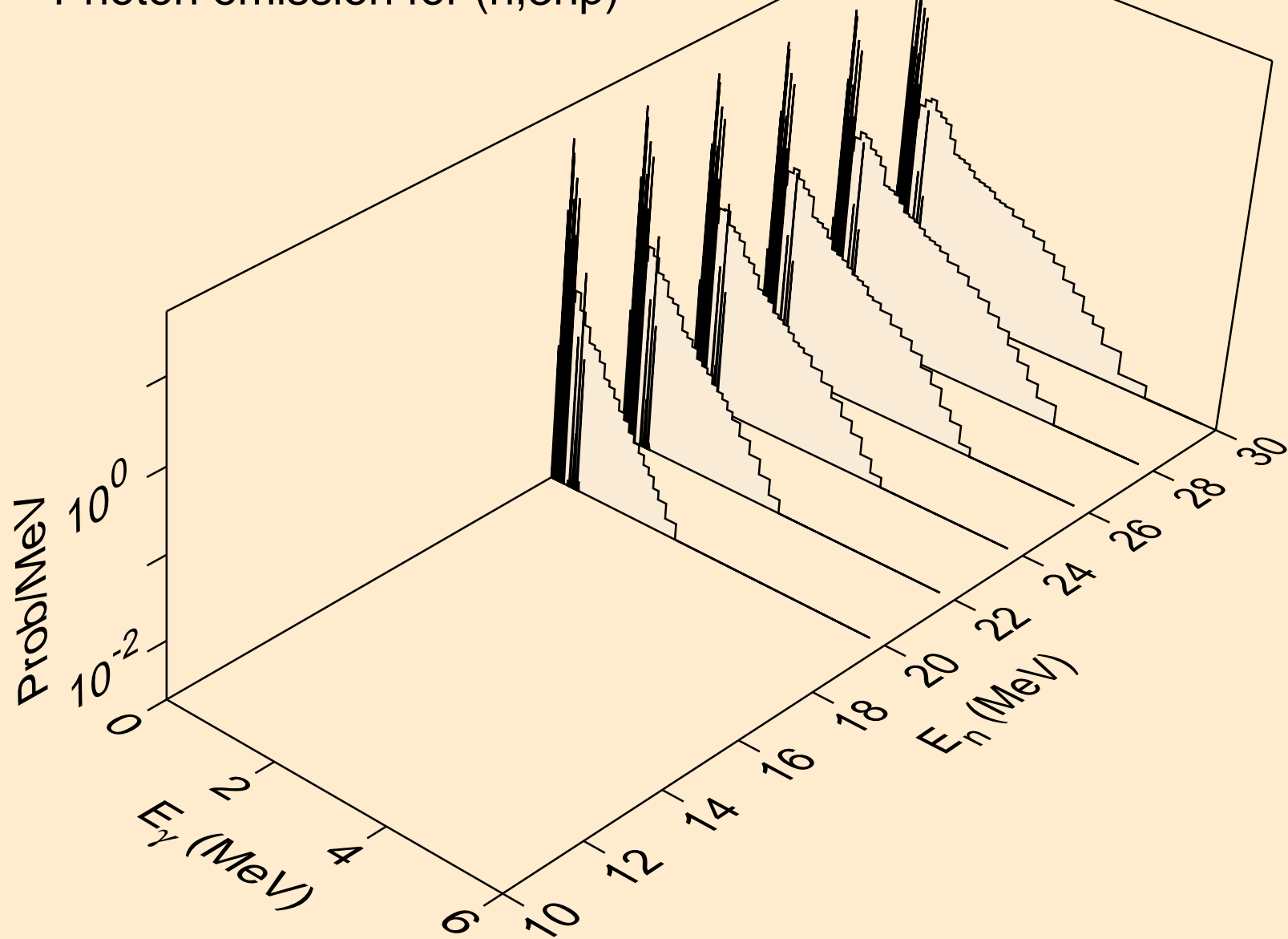
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,4n)



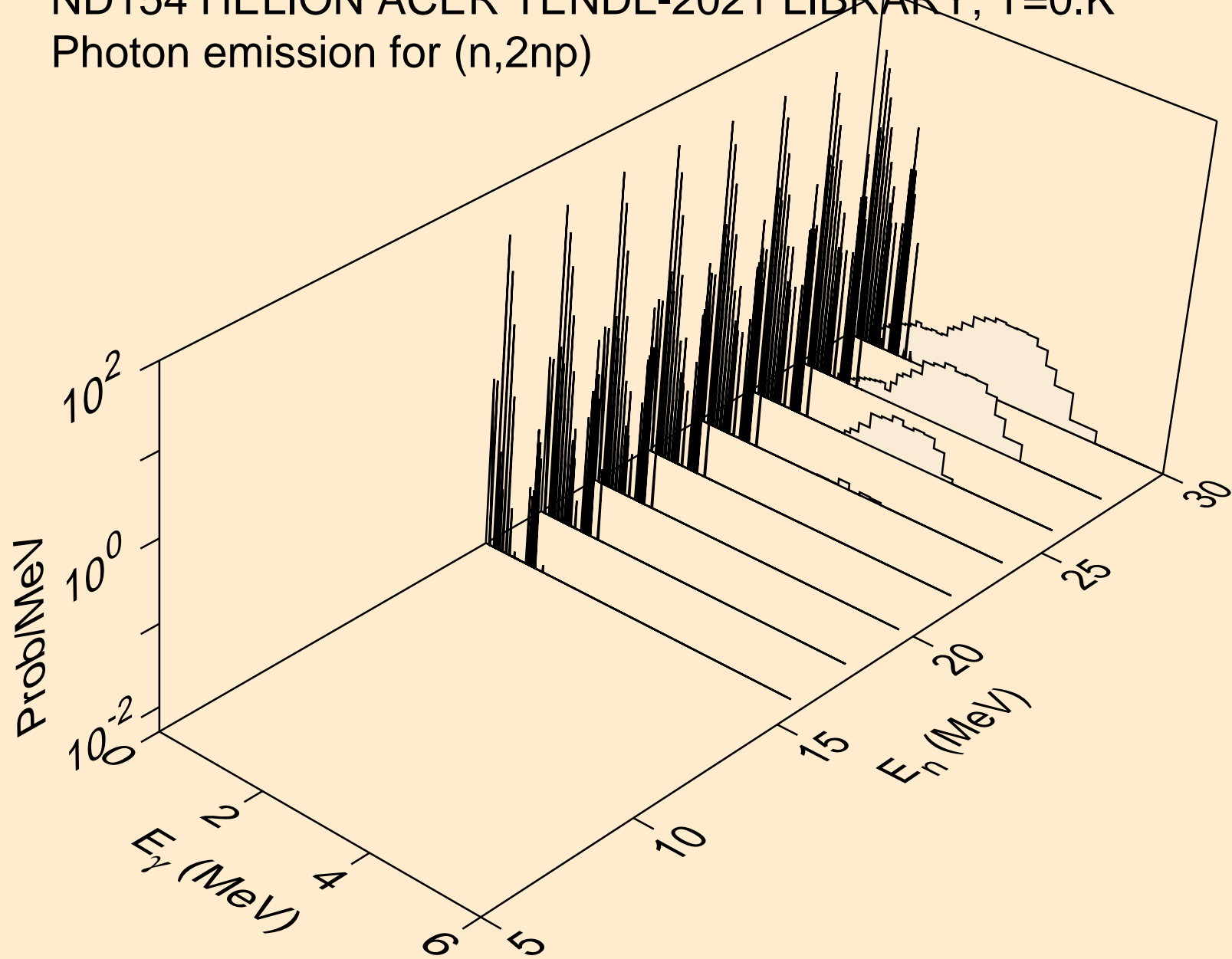
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3np)

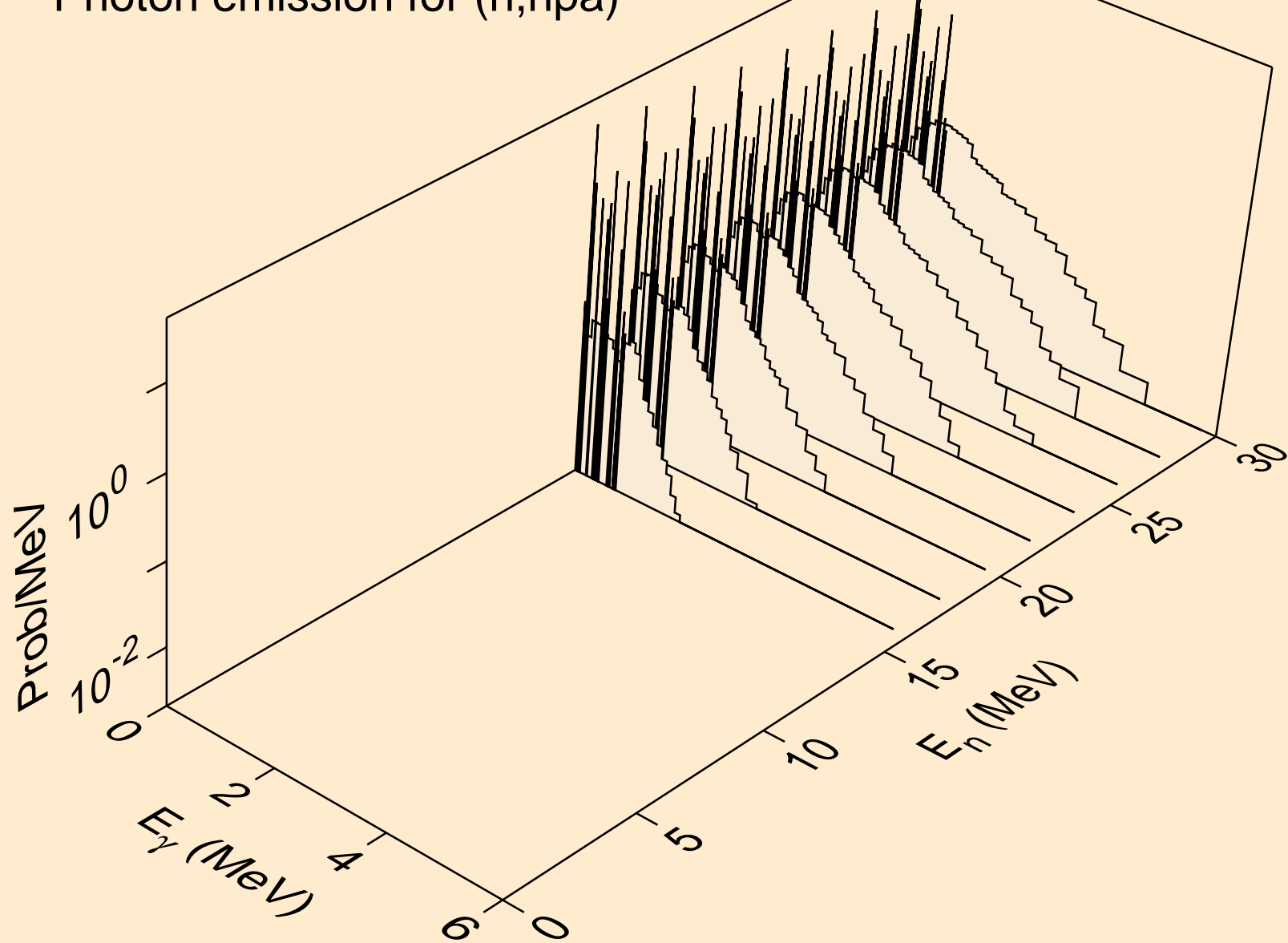


ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)

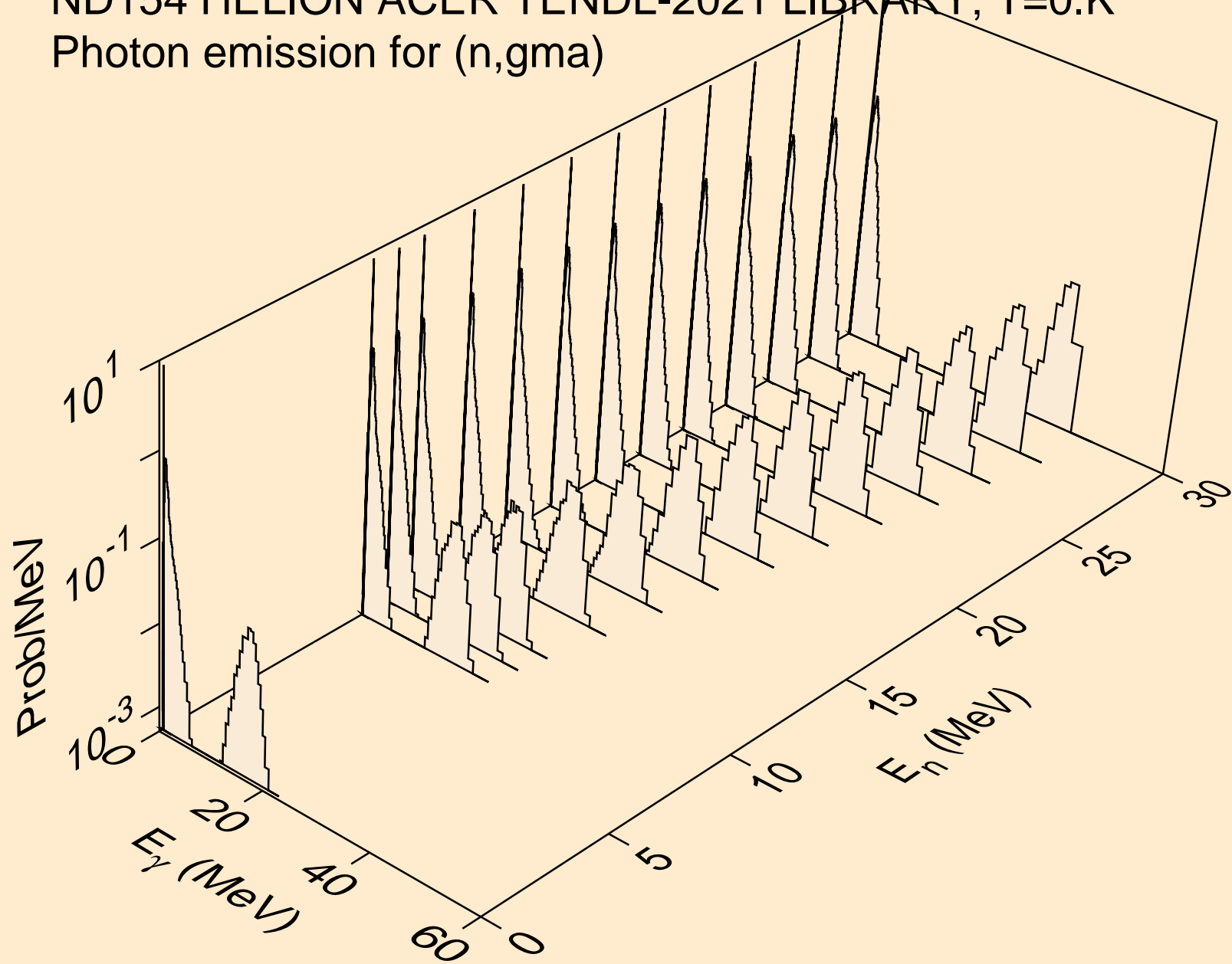




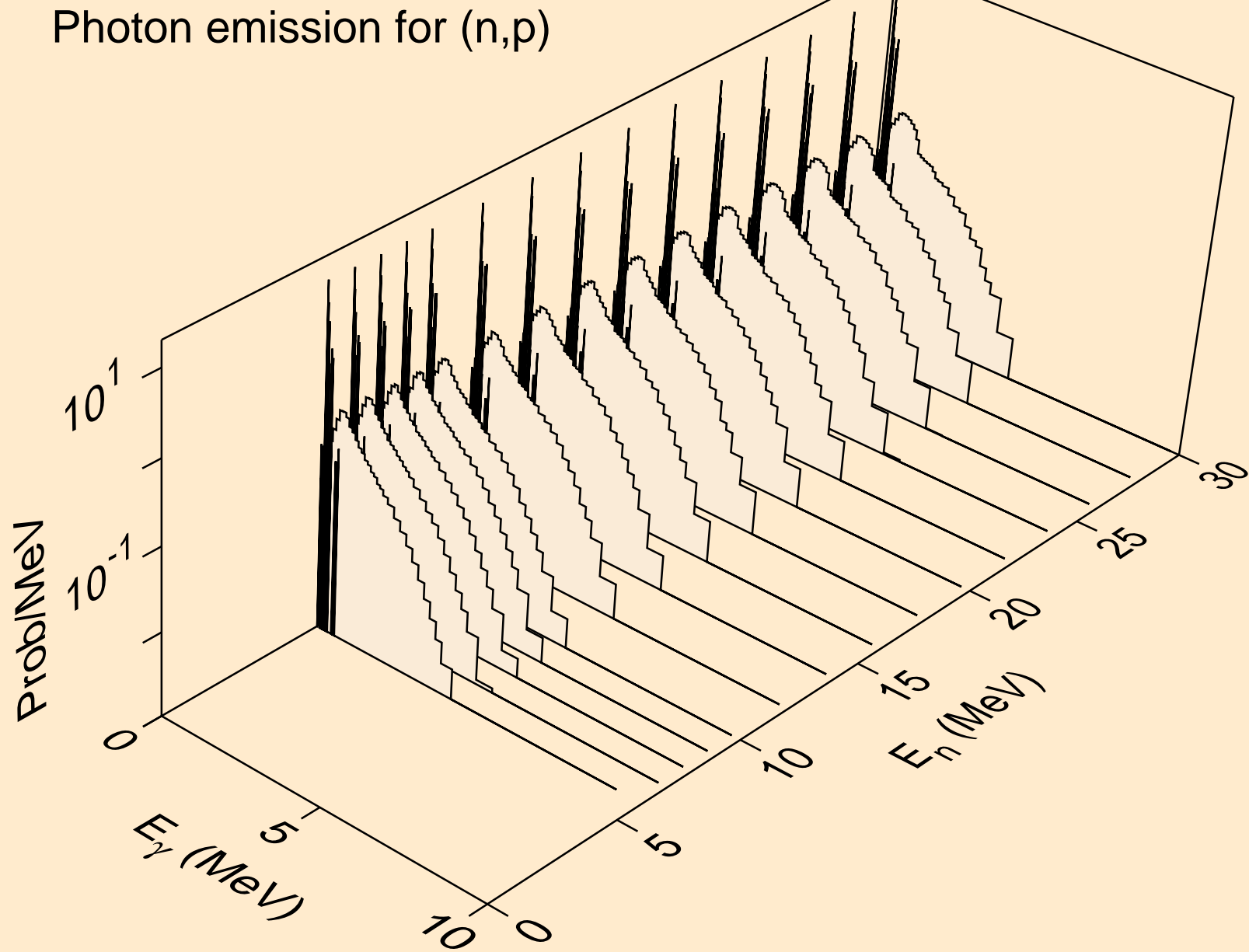
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,npa)



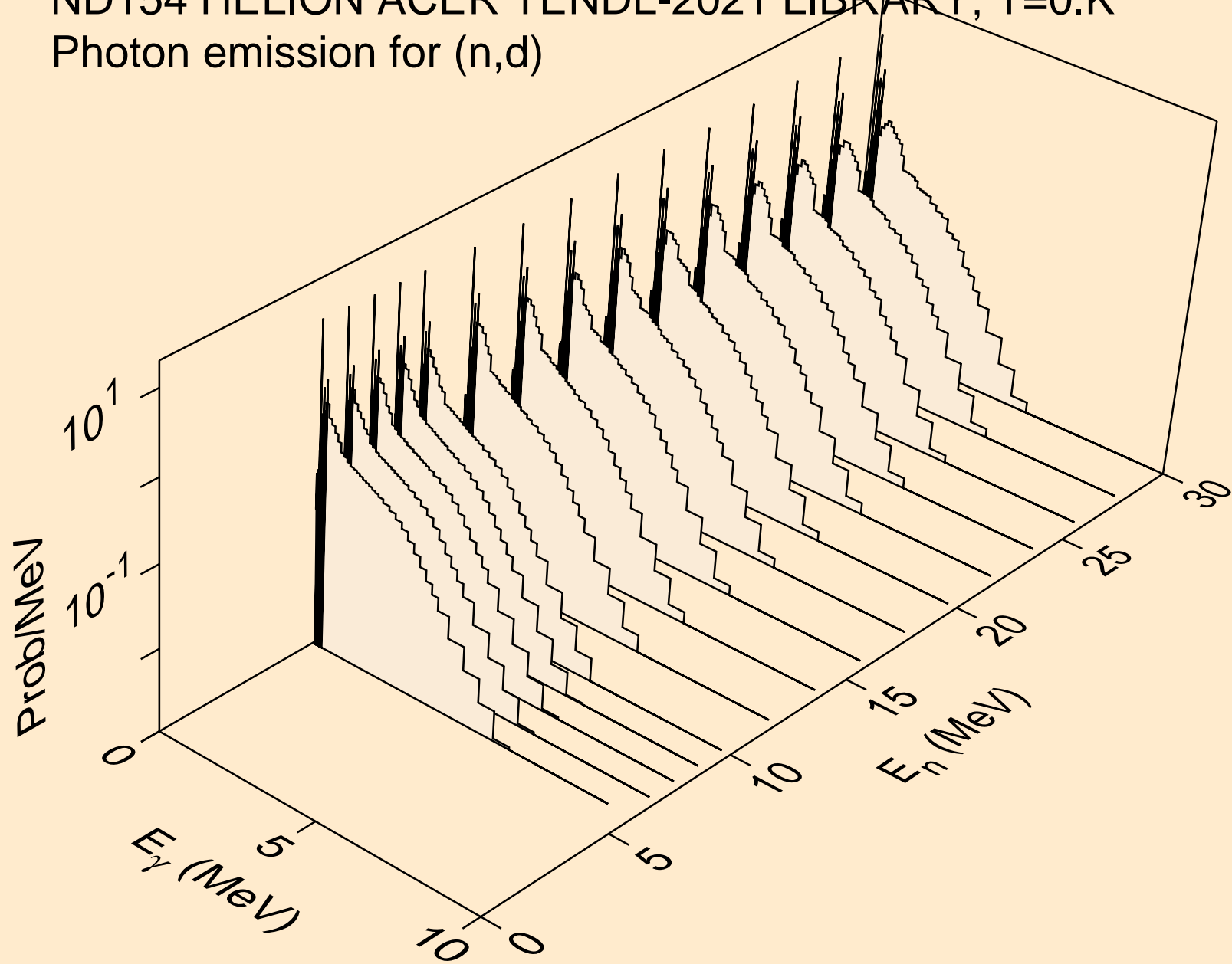
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,gma)



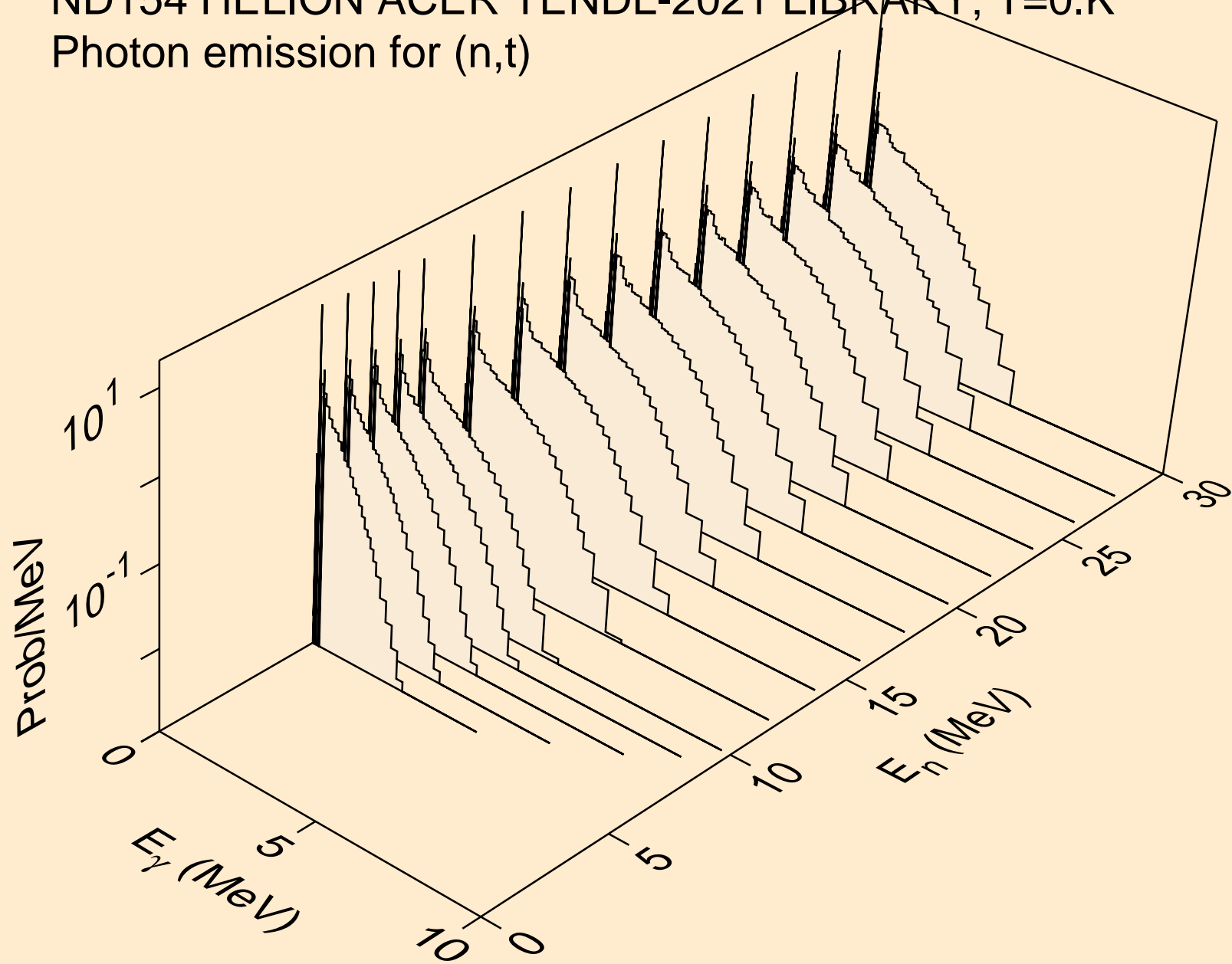
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,p)



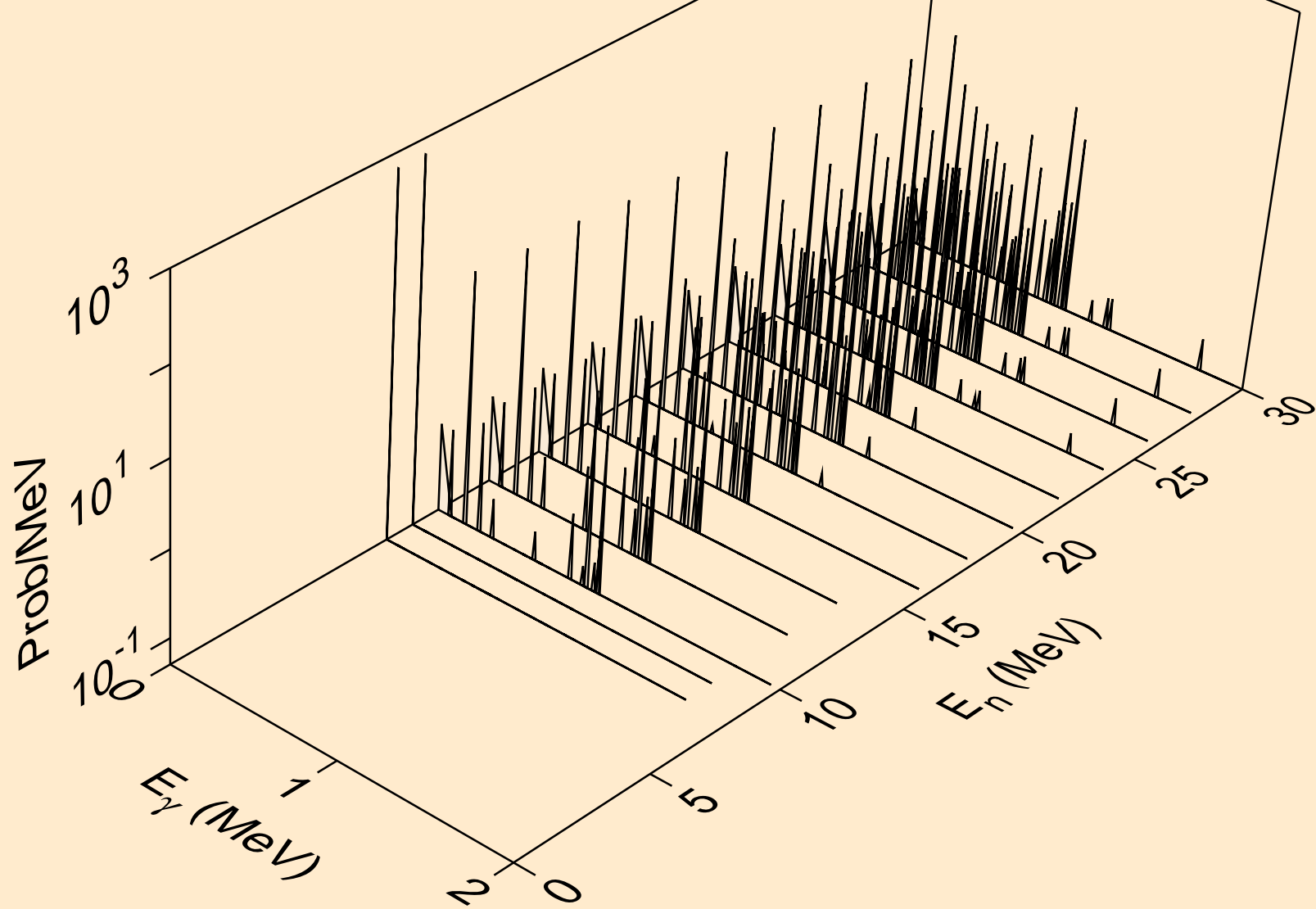
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,d)



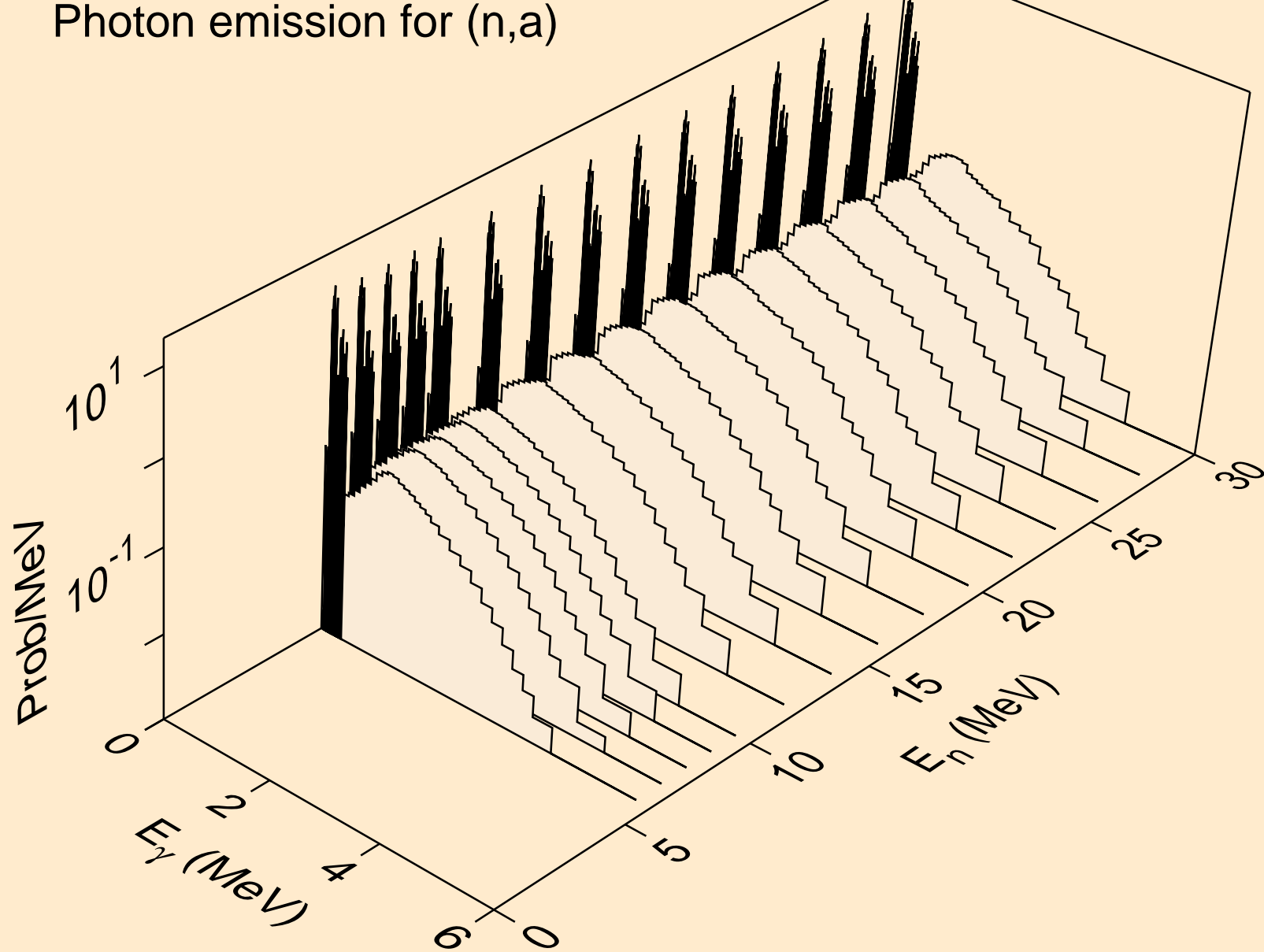
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,t)



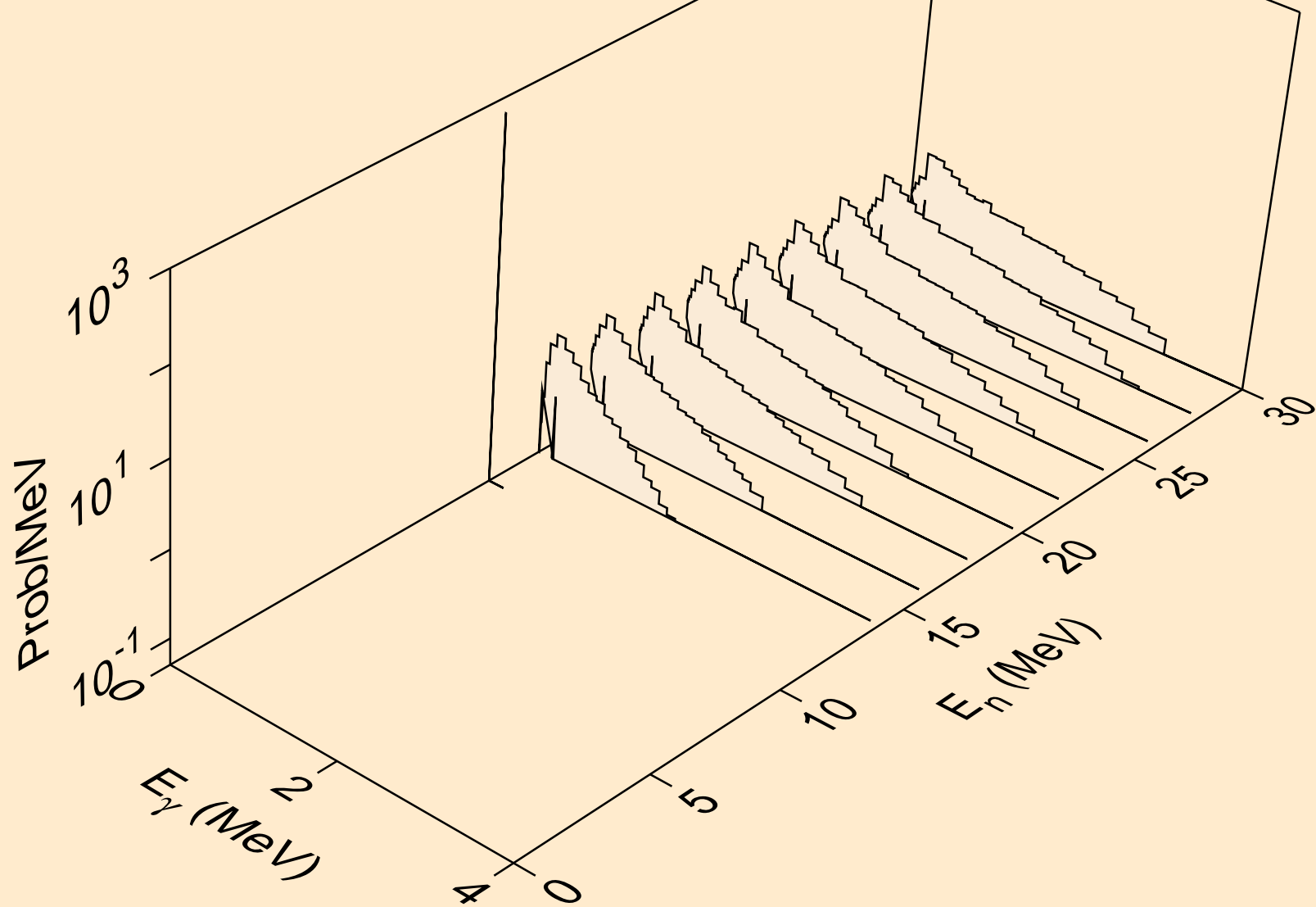
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,a)

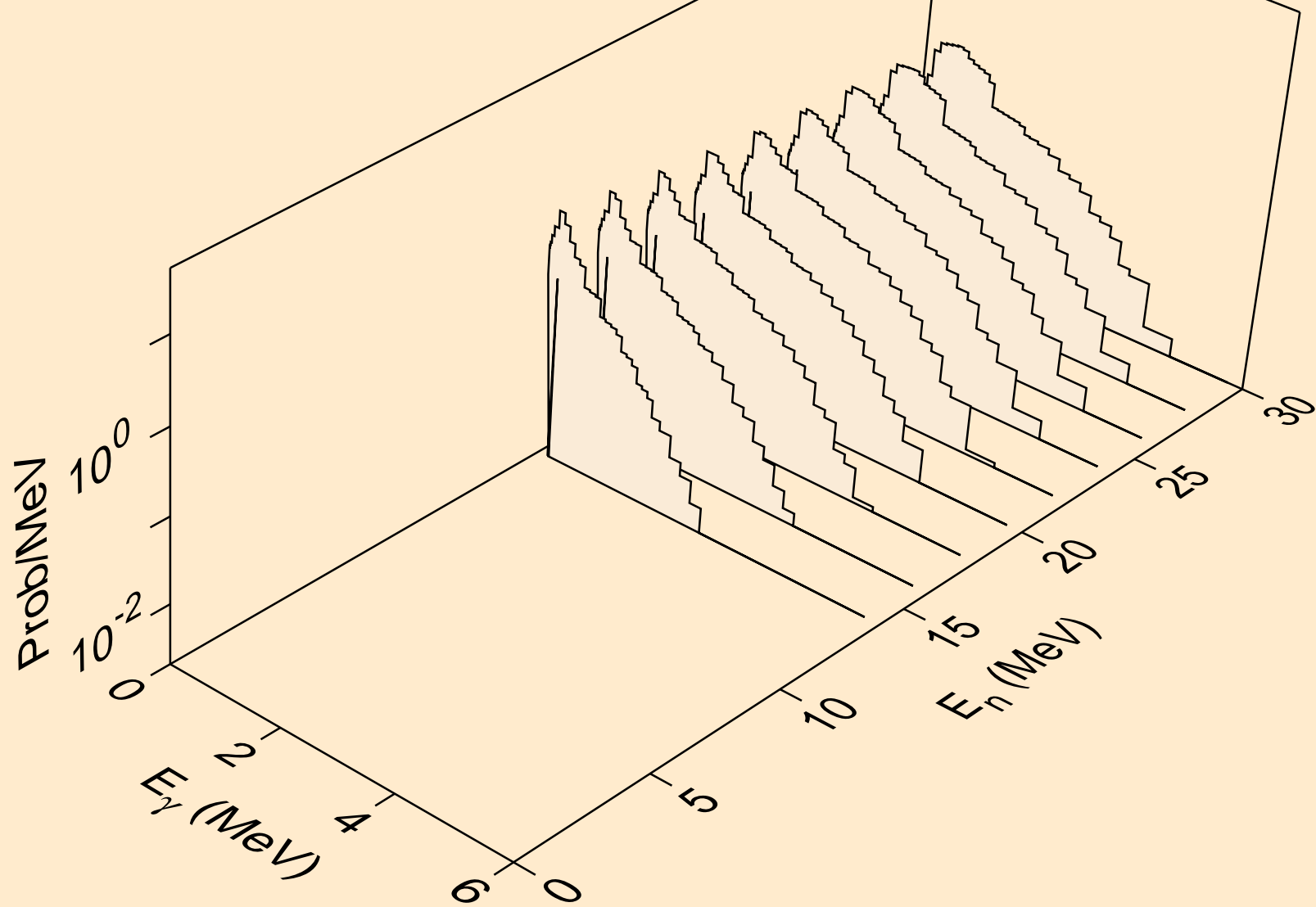


ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)

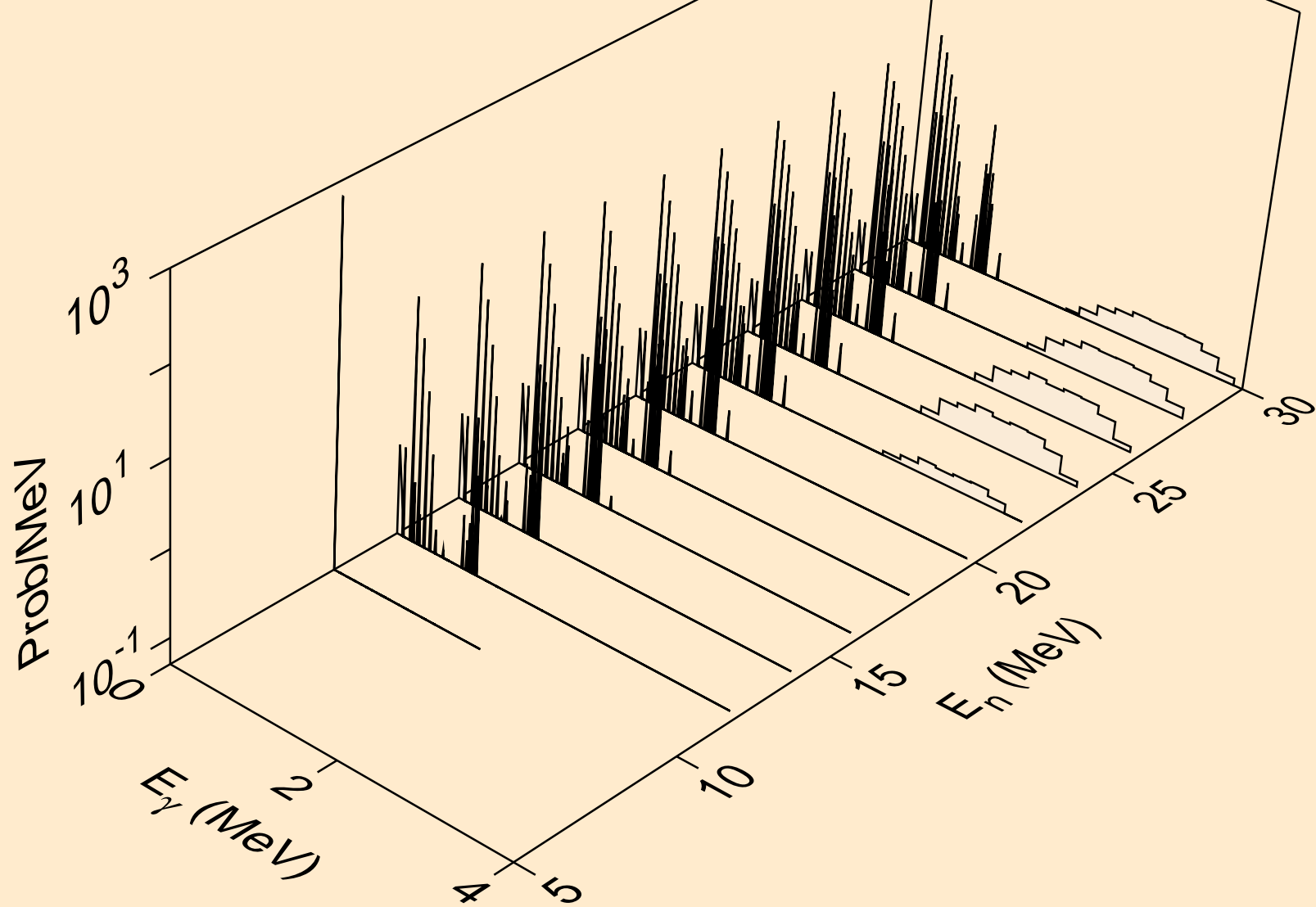




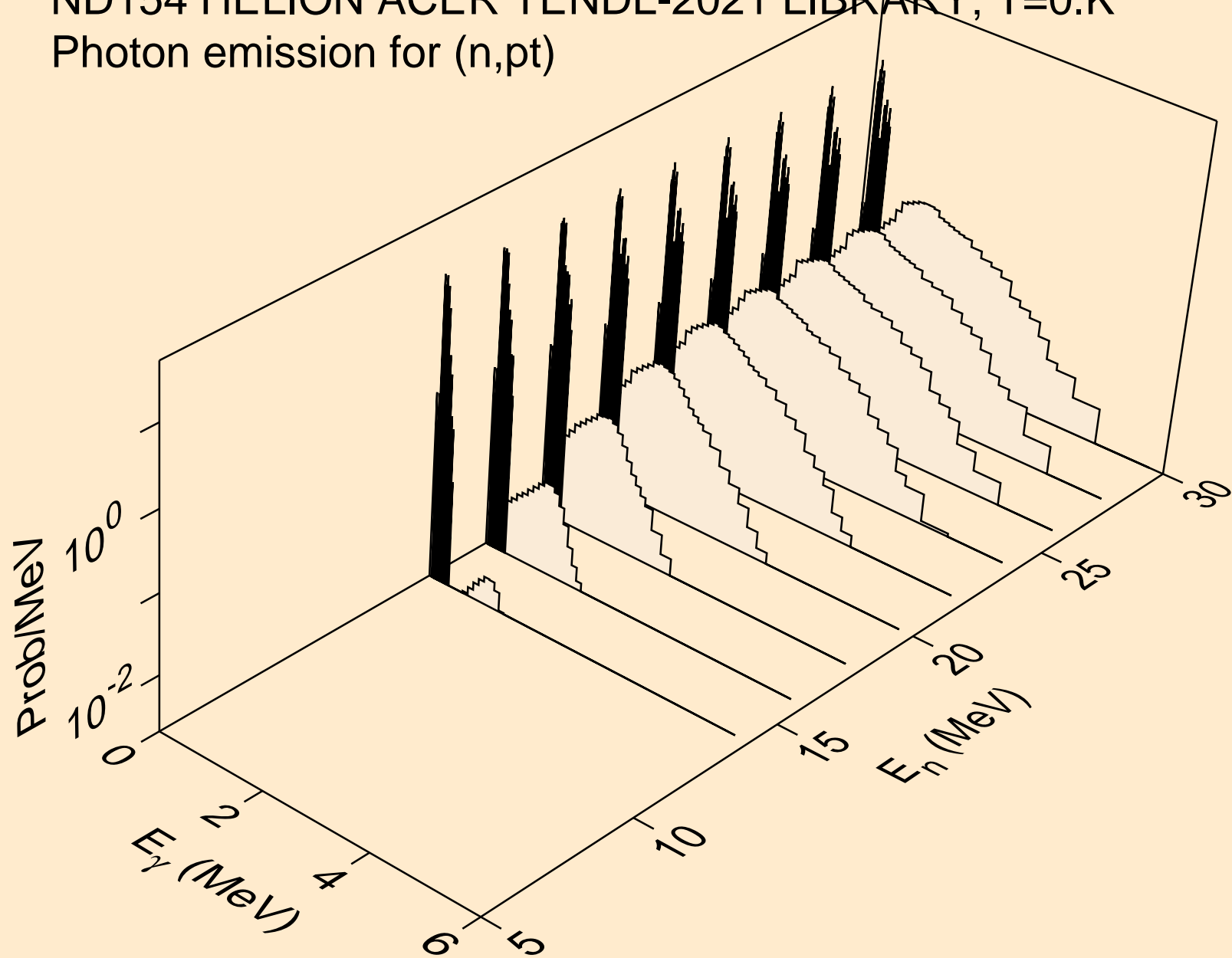
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pa)



ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)

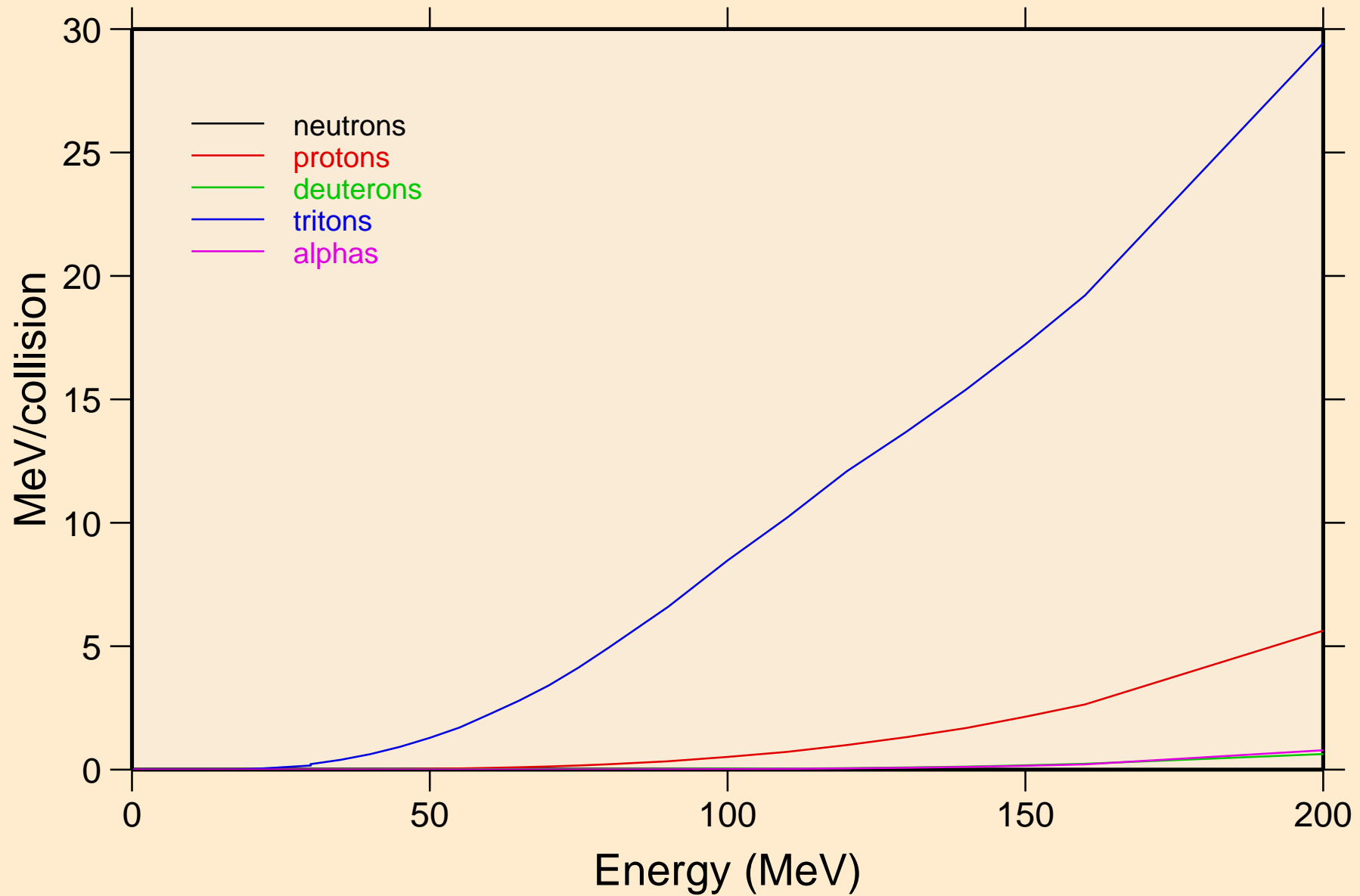


ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)

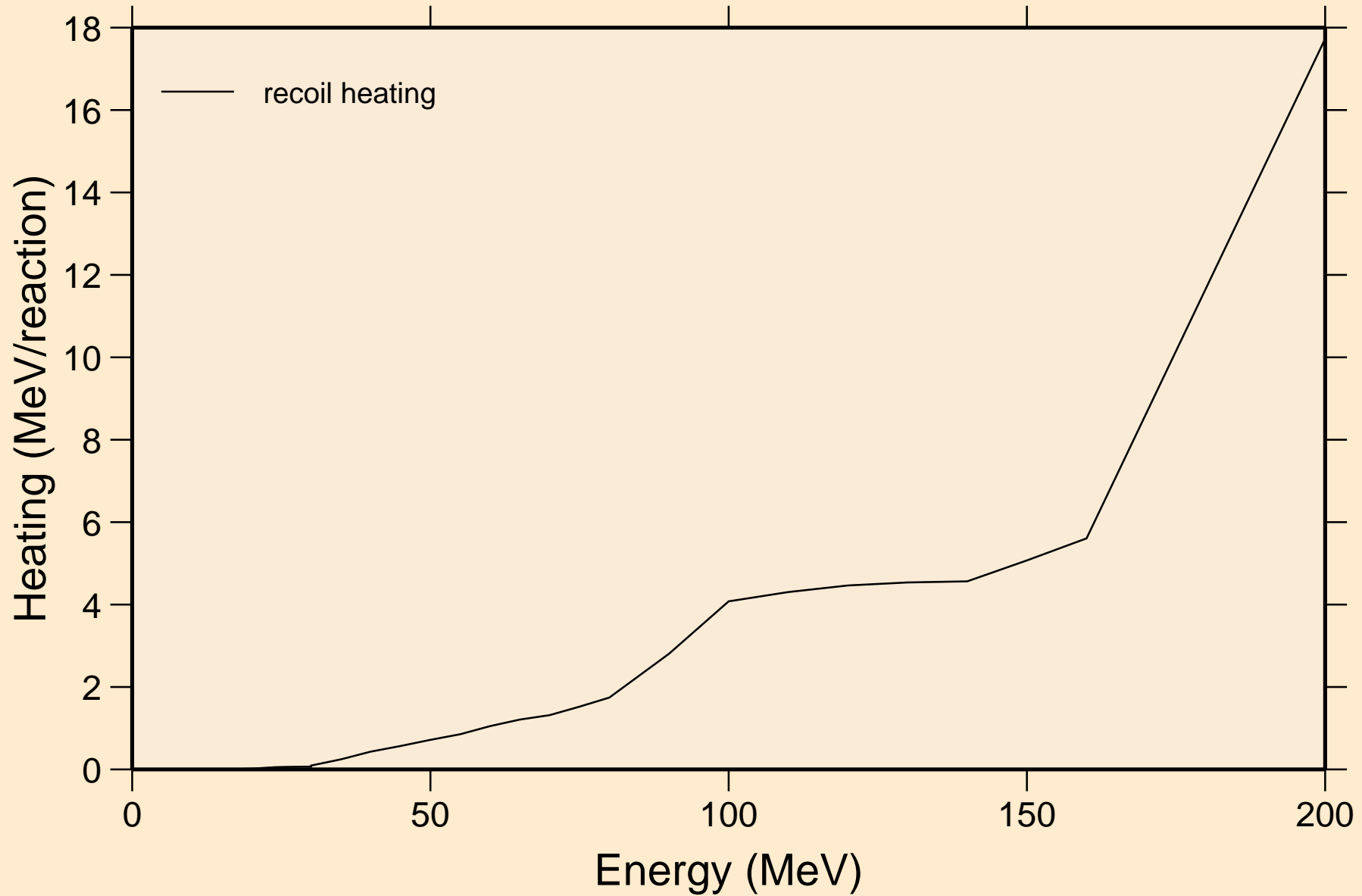


# ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K

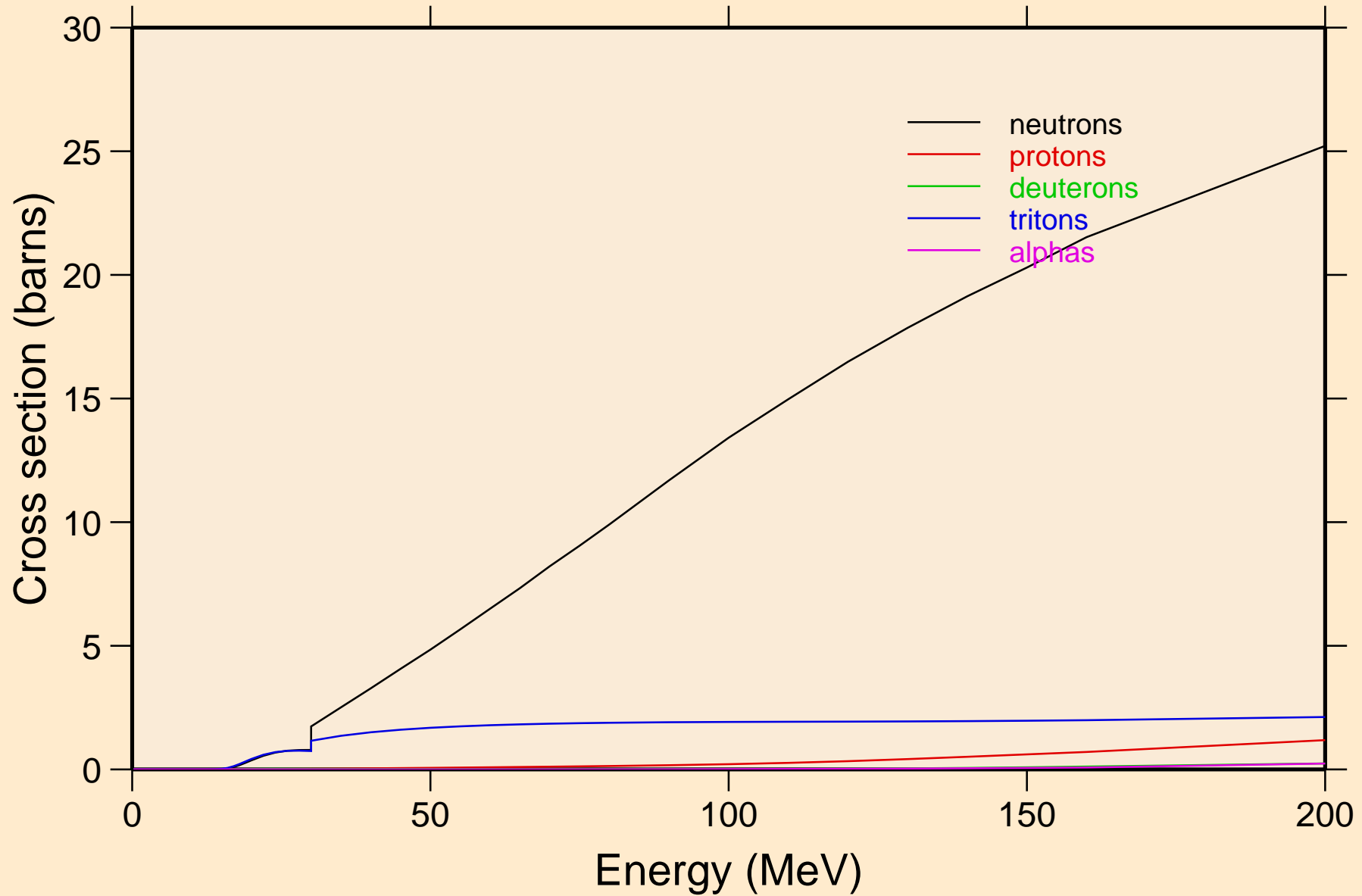
## Particle heating contributions



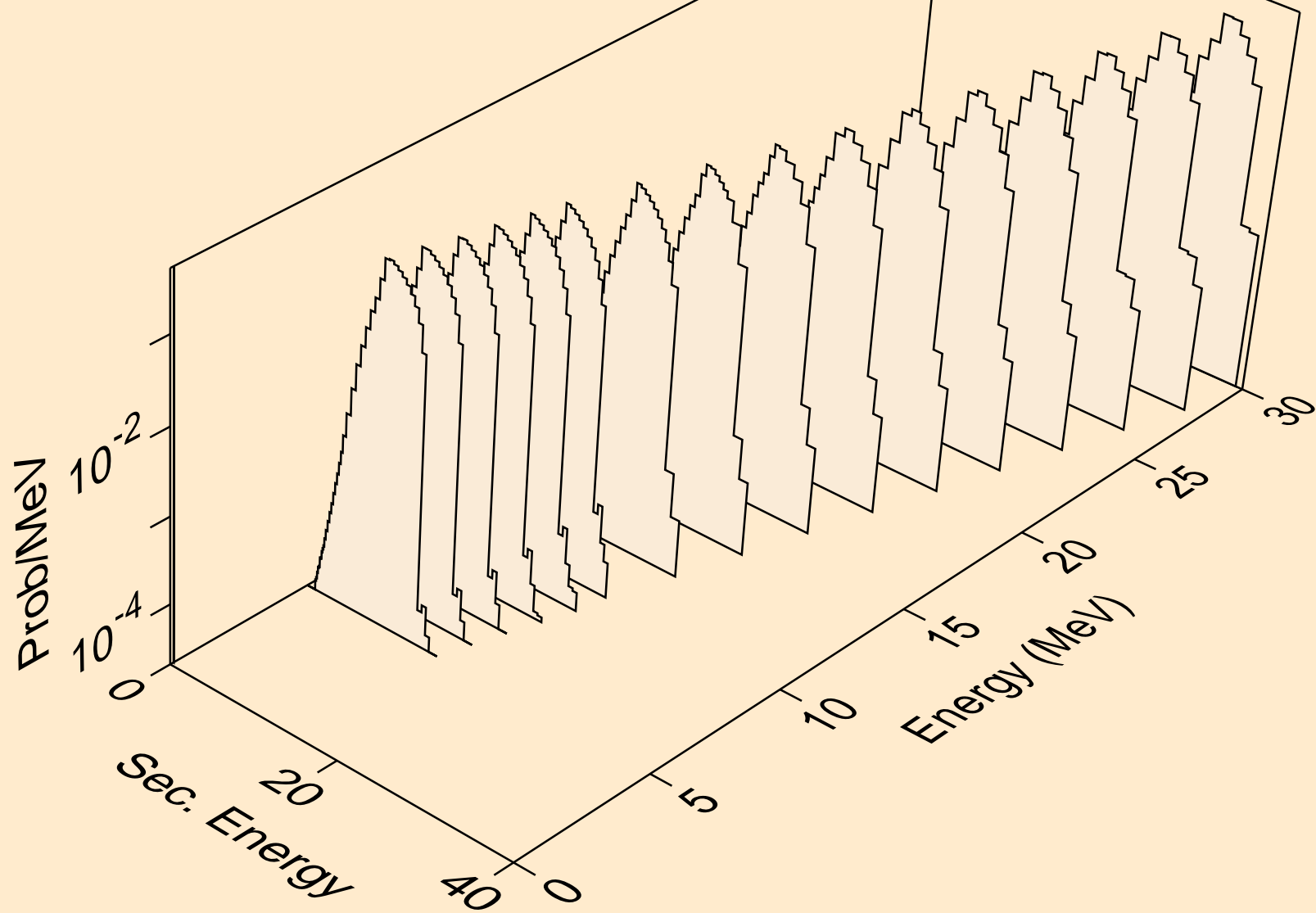
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Recoil Heating



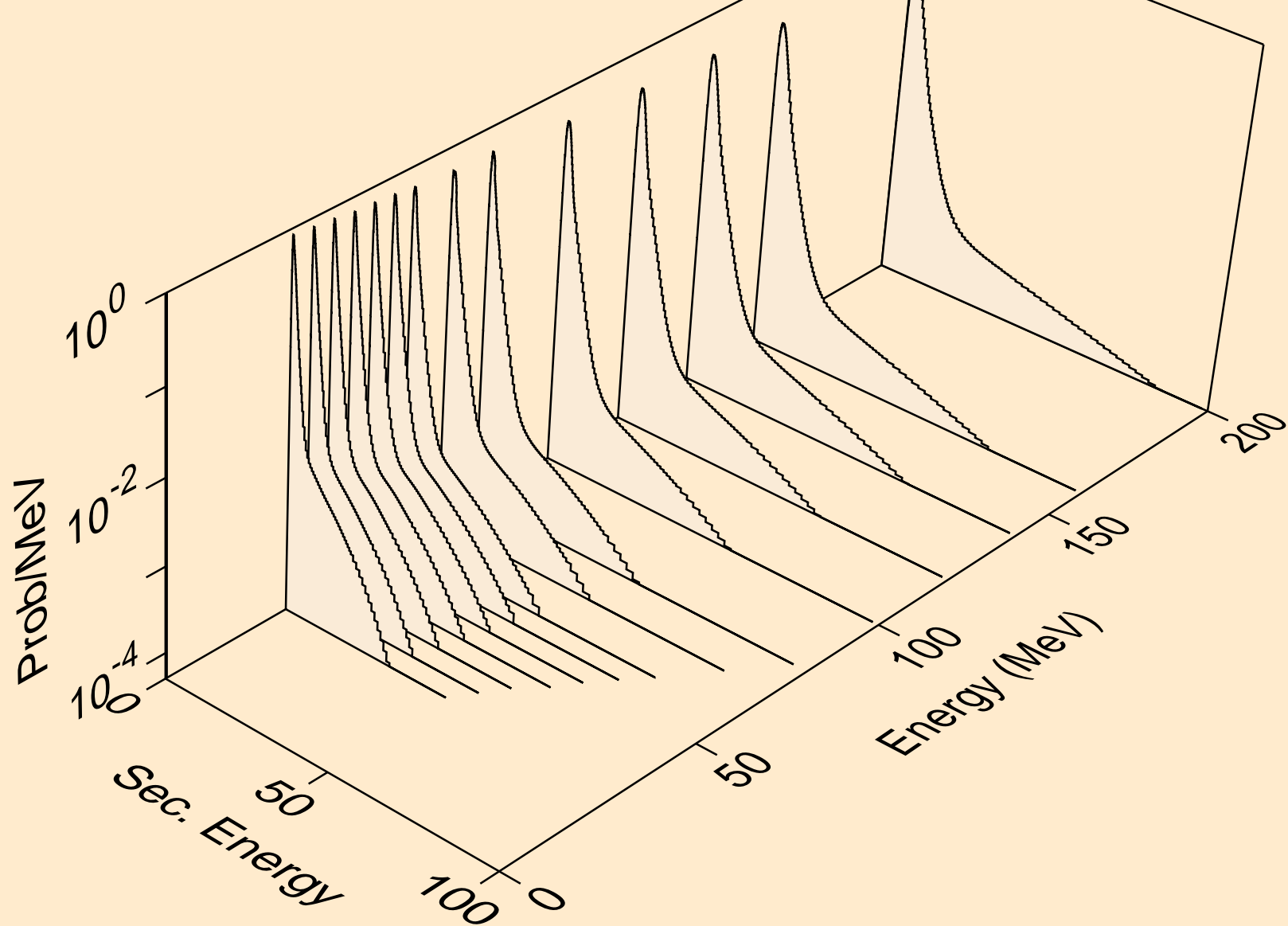
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections



ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n)

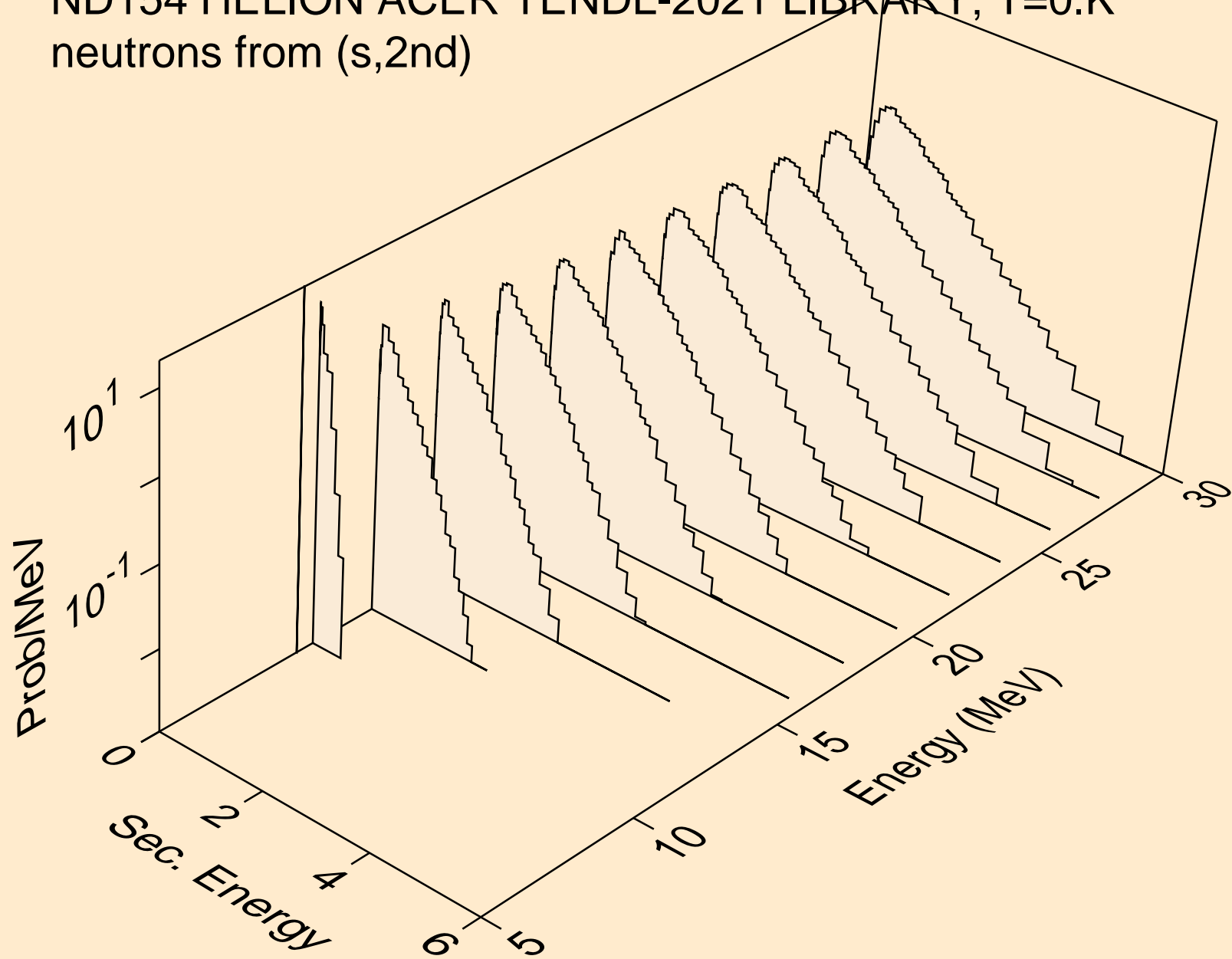


ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,x)

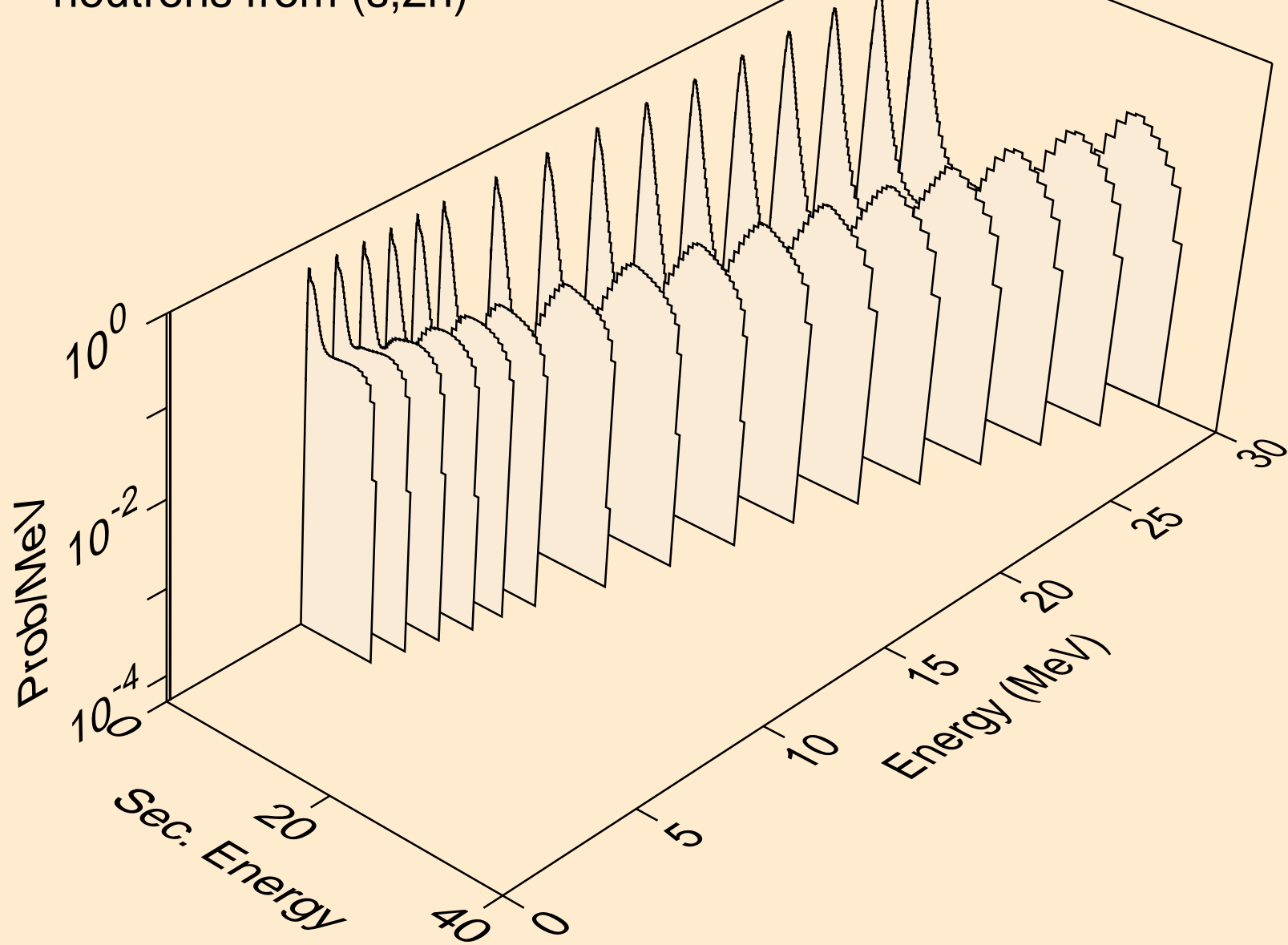




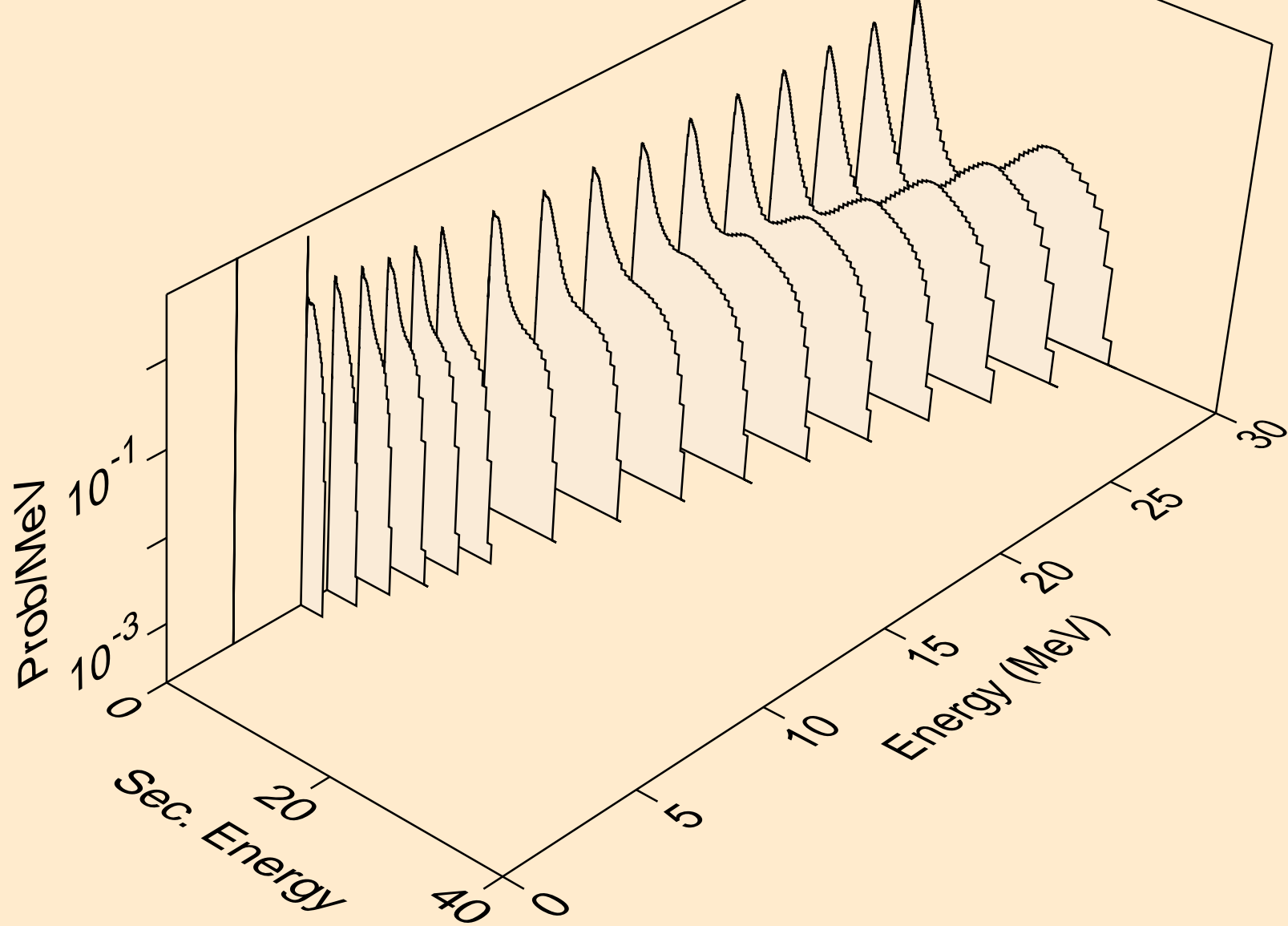
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2nd)



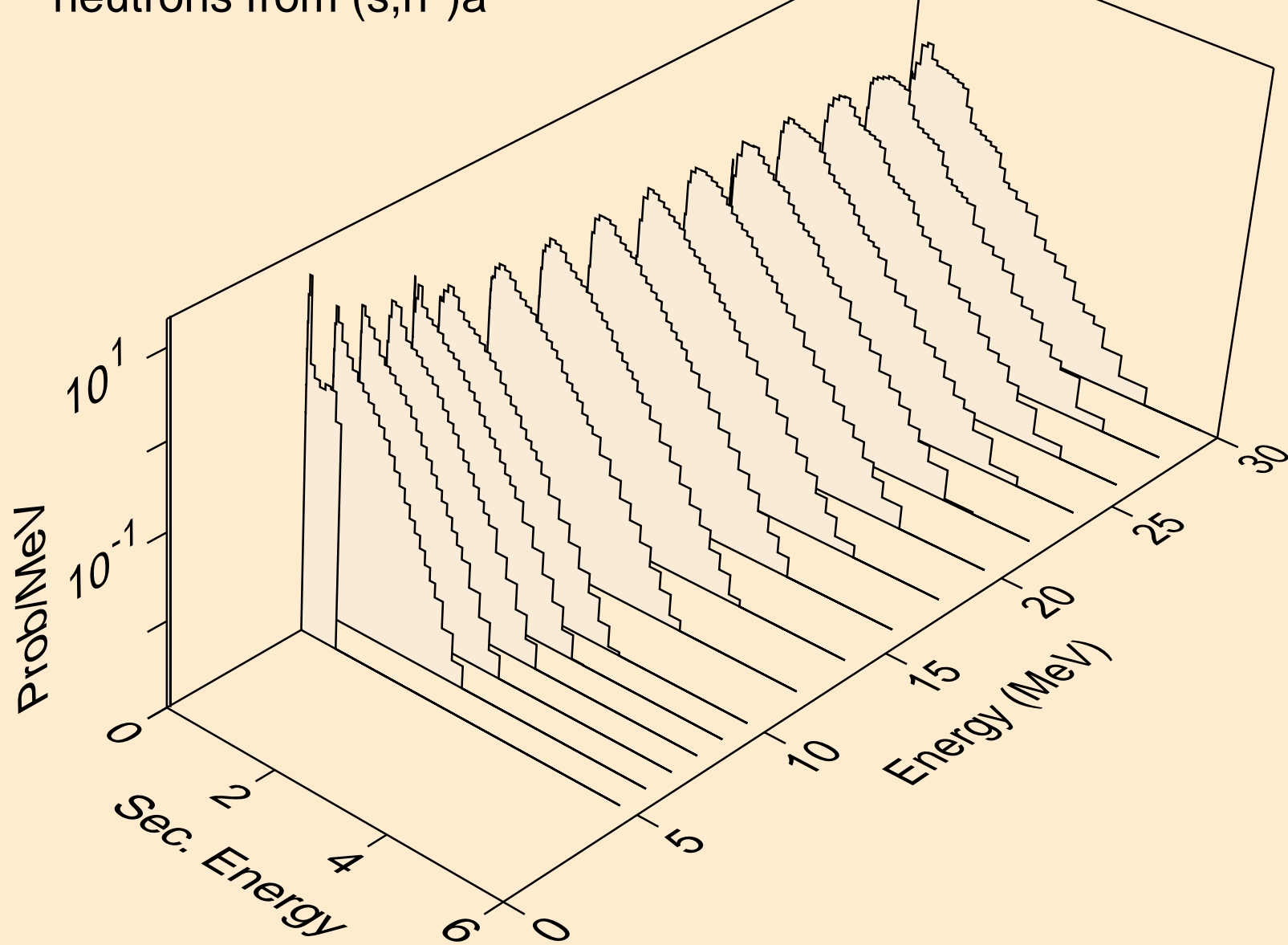
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2n)



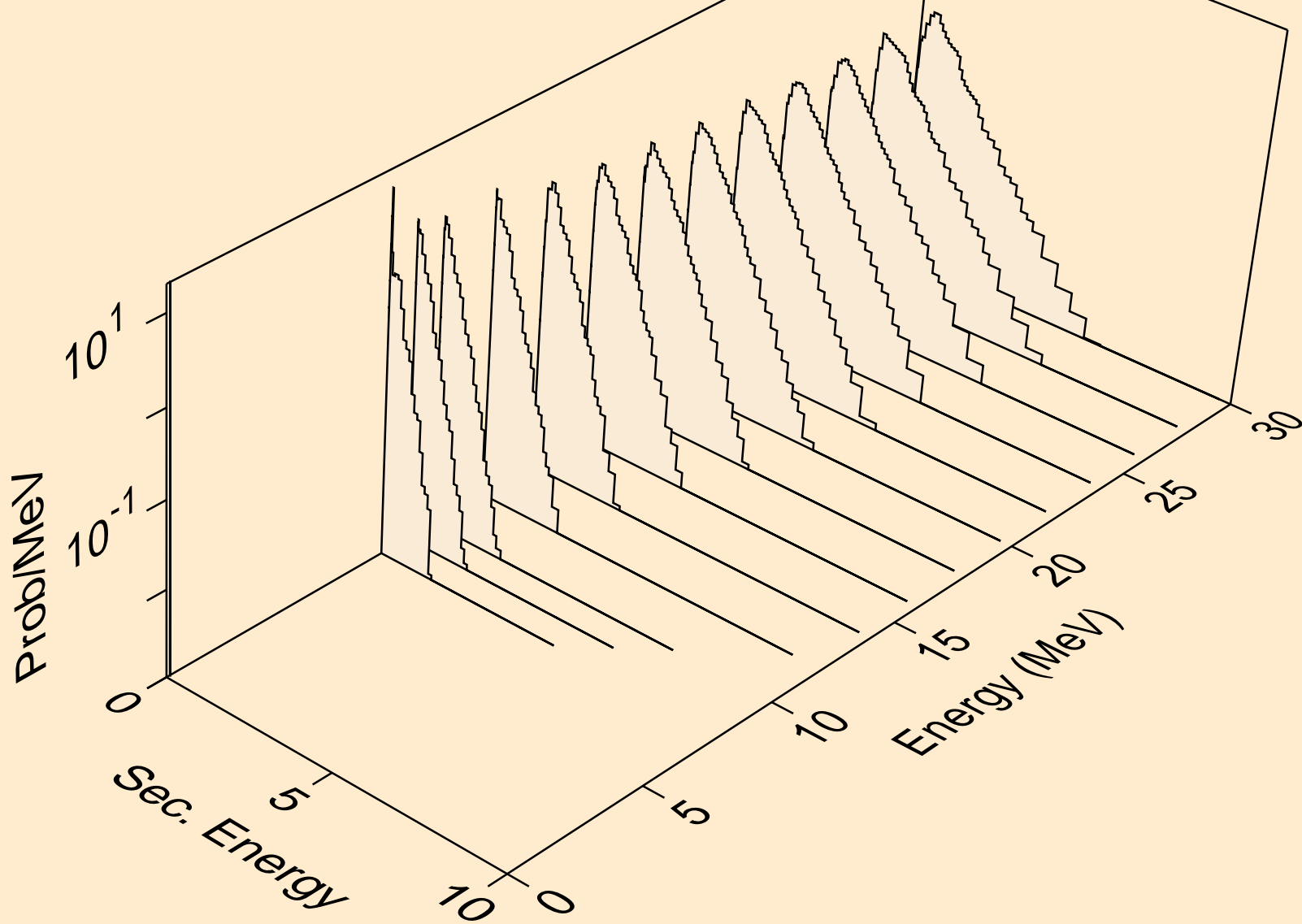
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,3n)



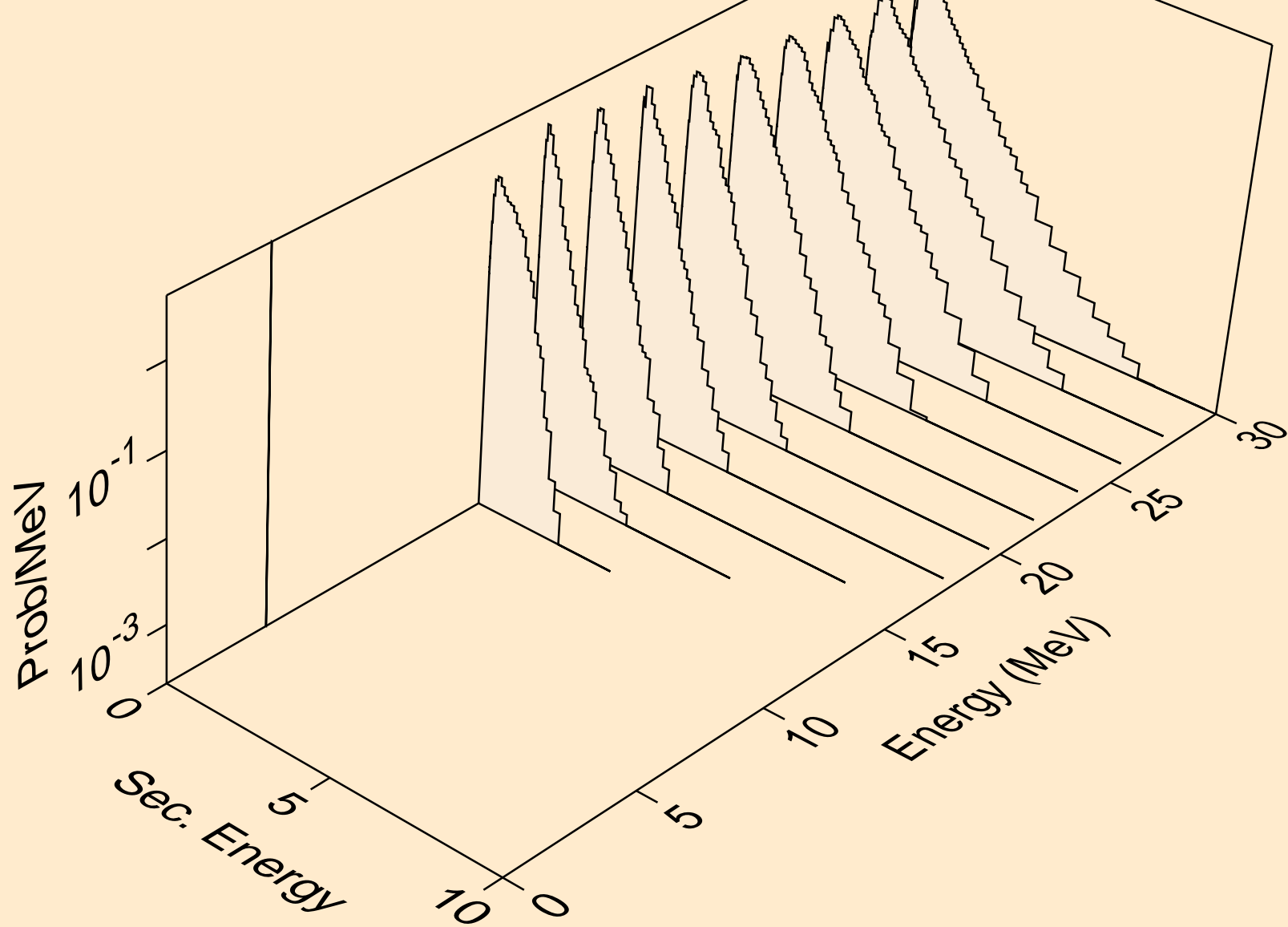
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)a



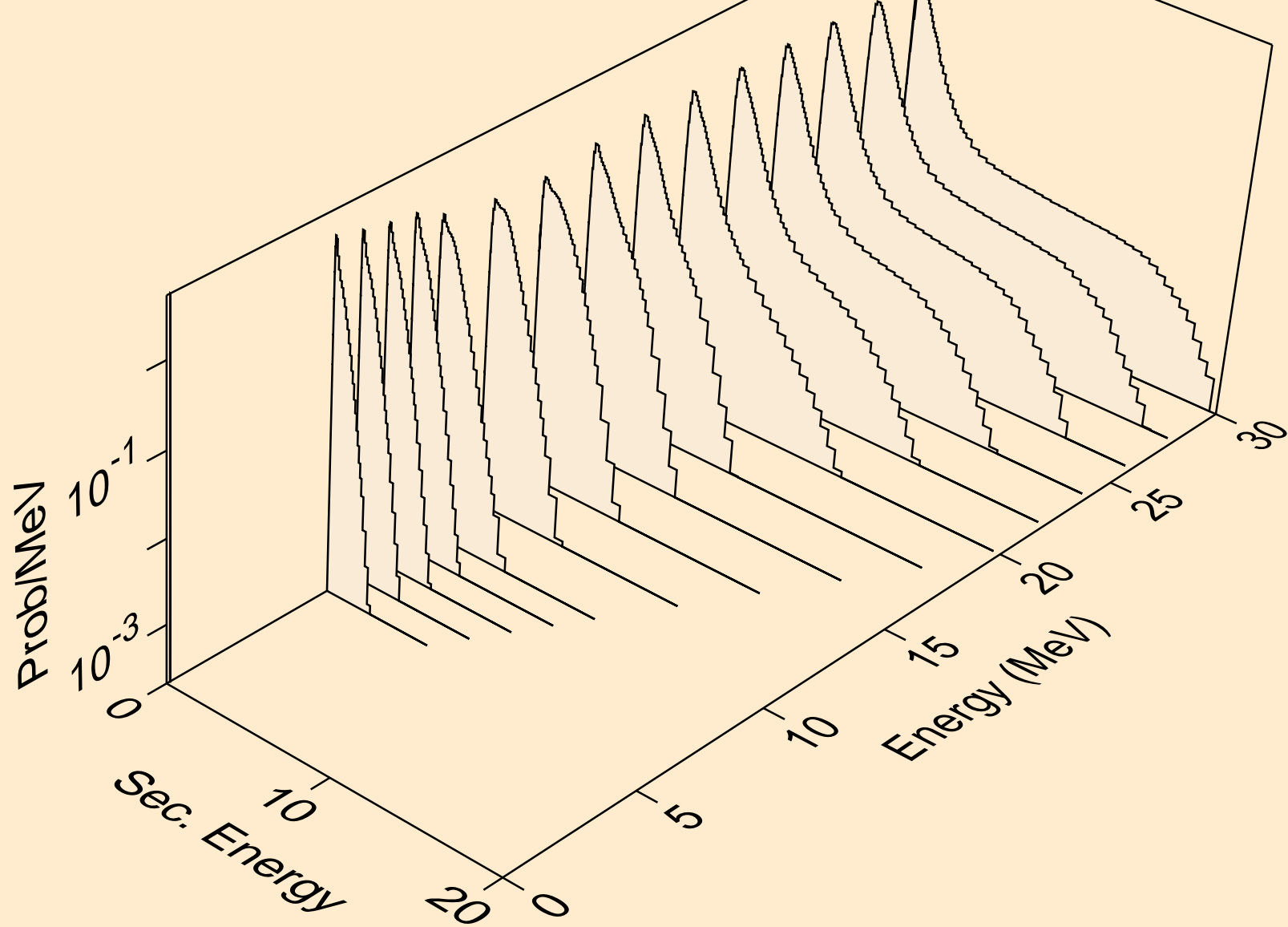
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2n)a



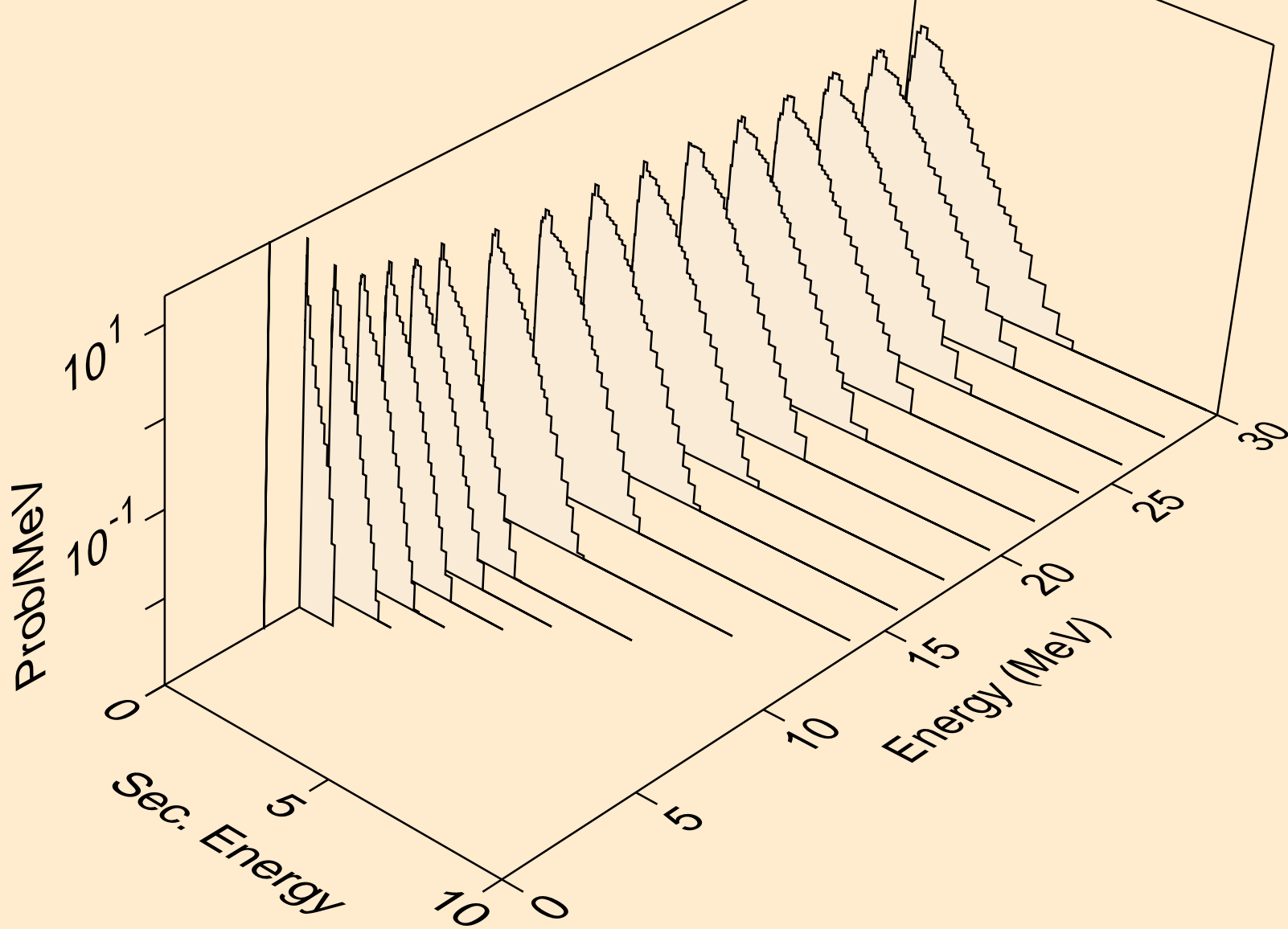
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,3n)a



ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)p

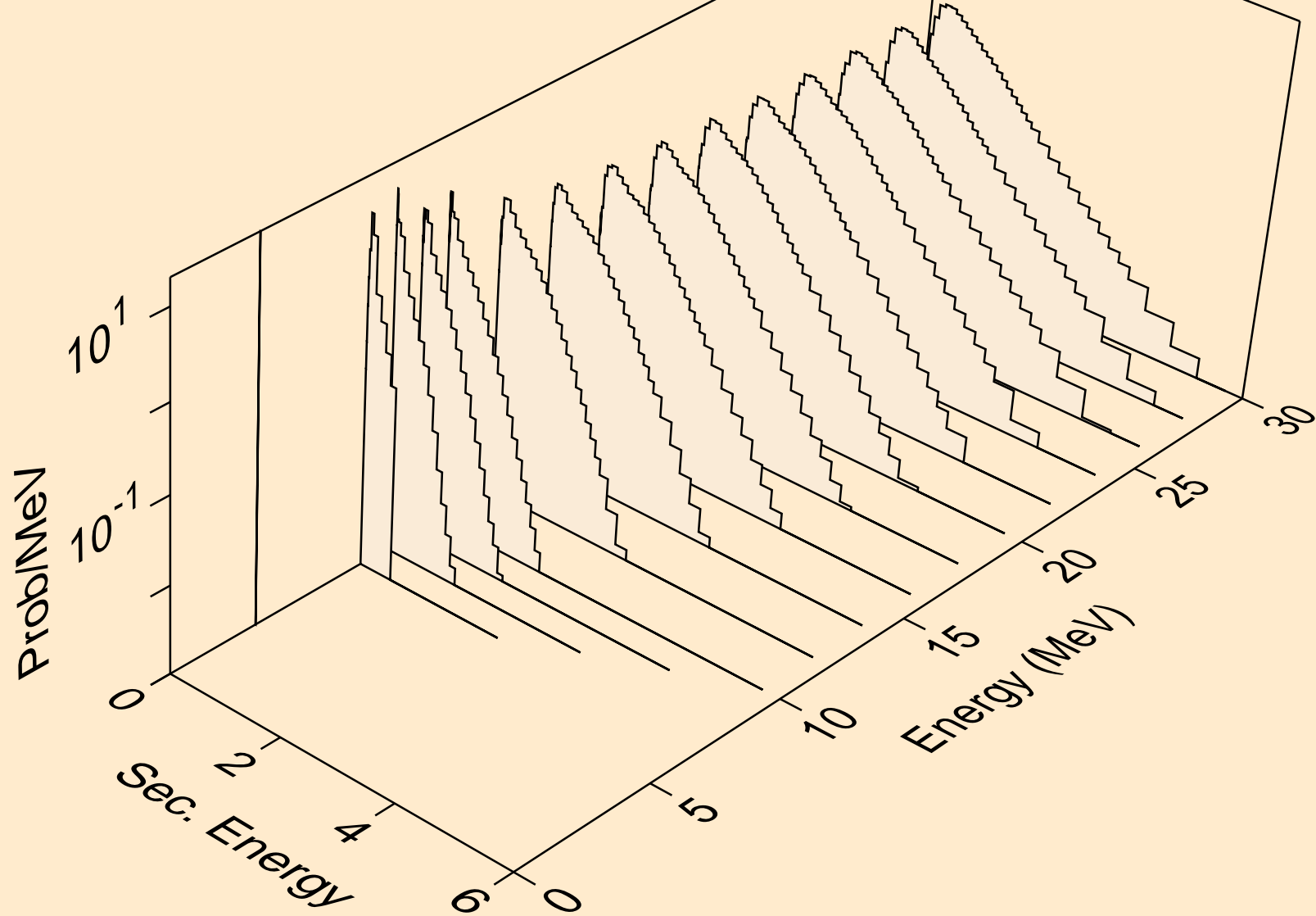


ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)d

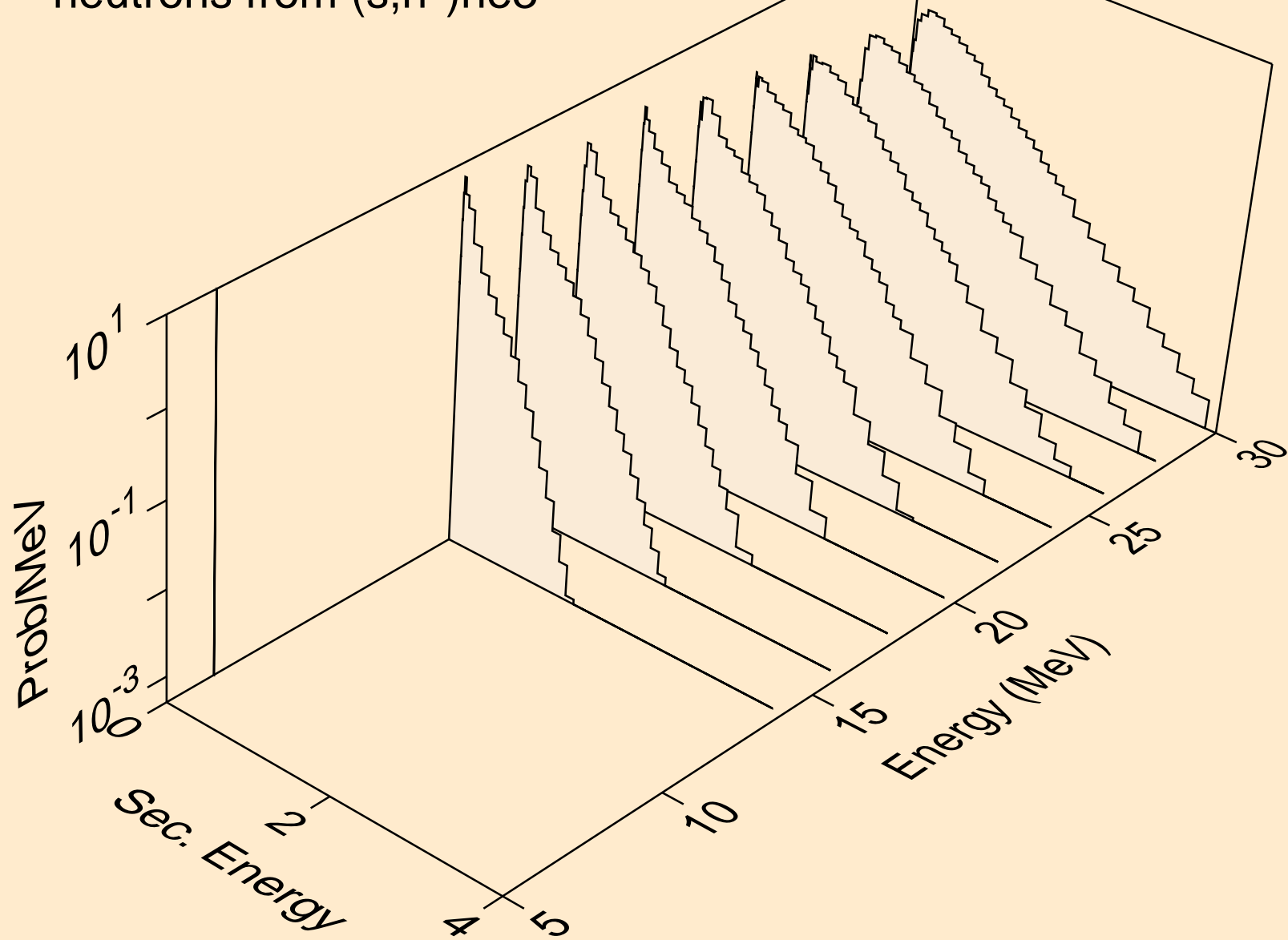




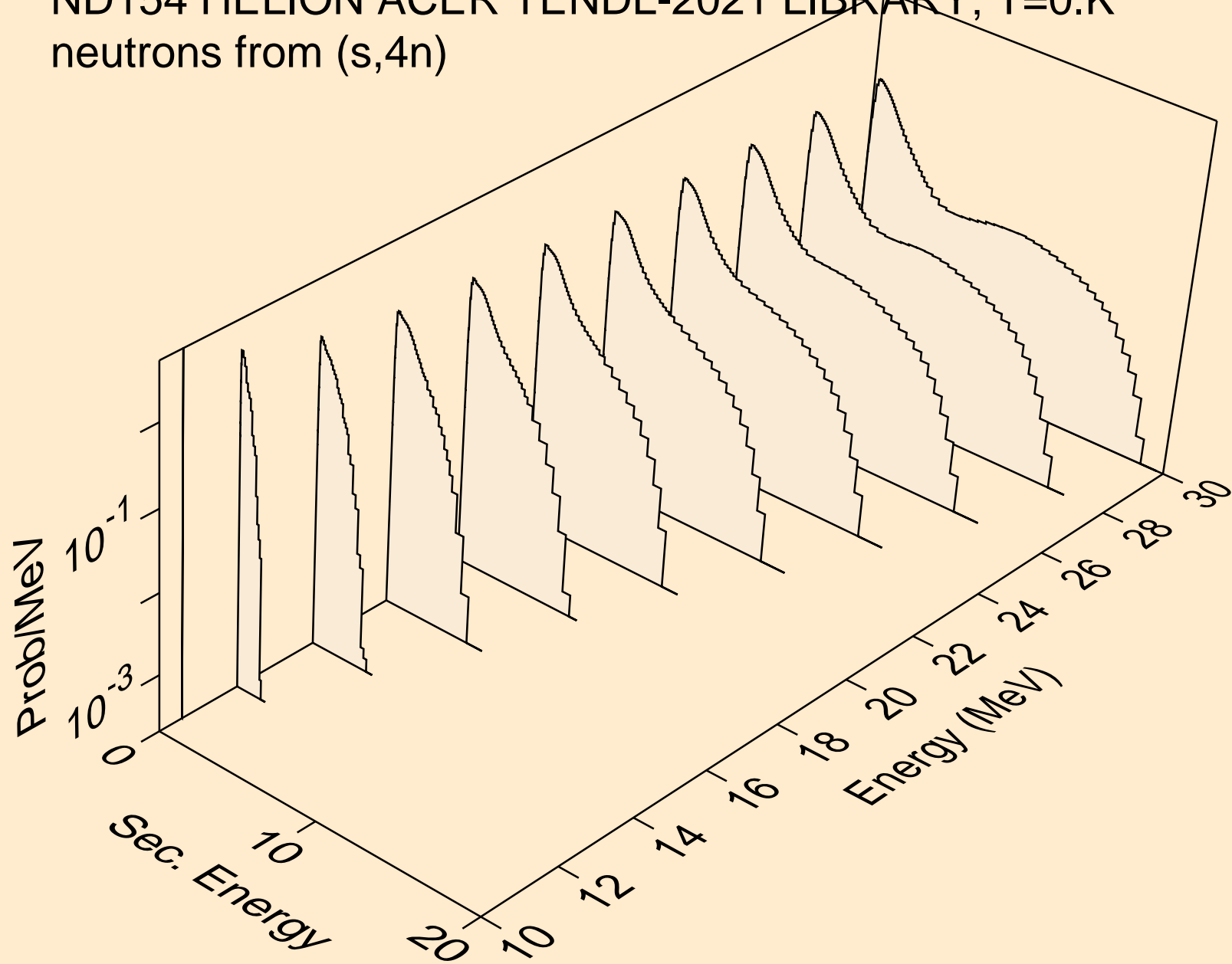
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)t



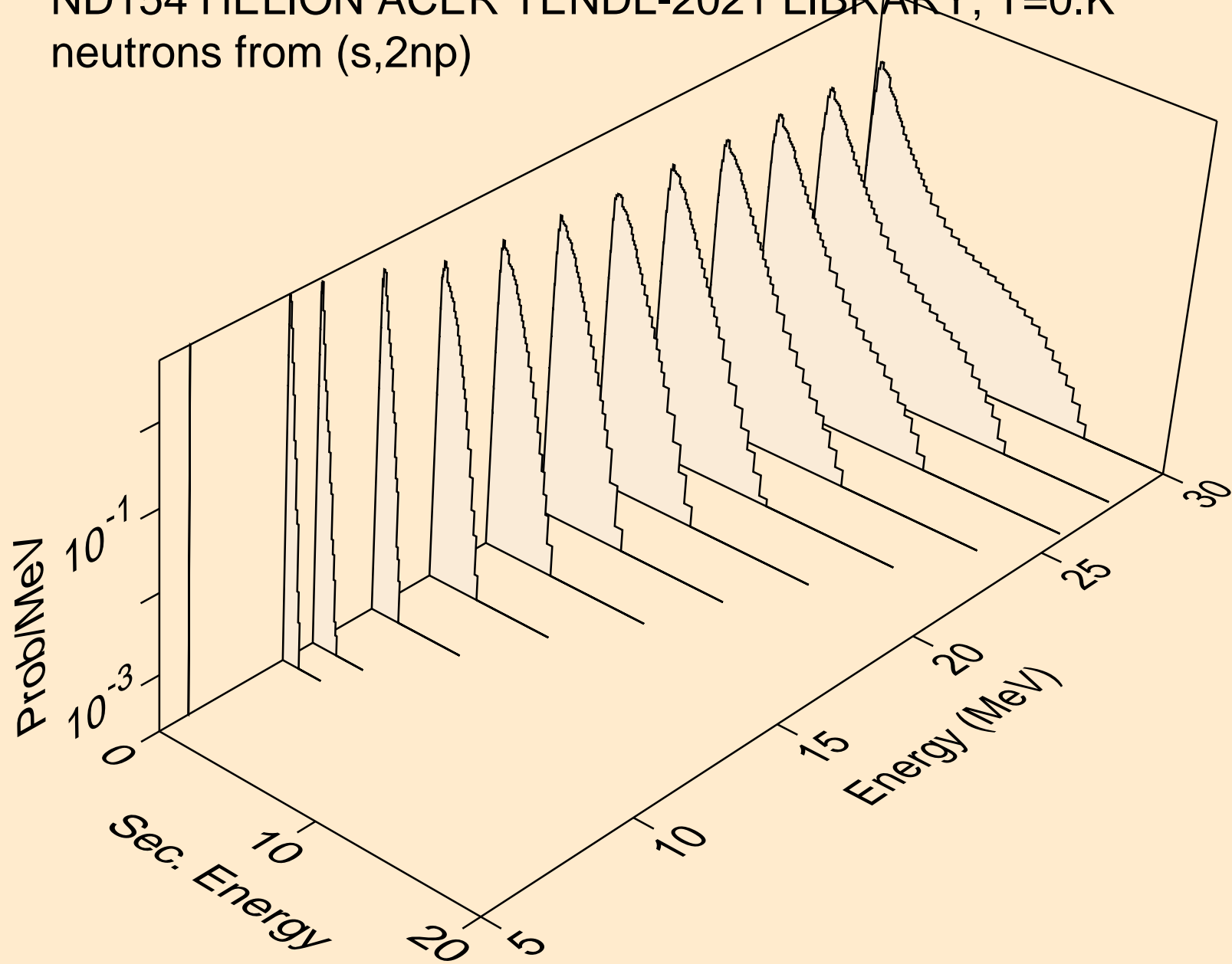
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)he3



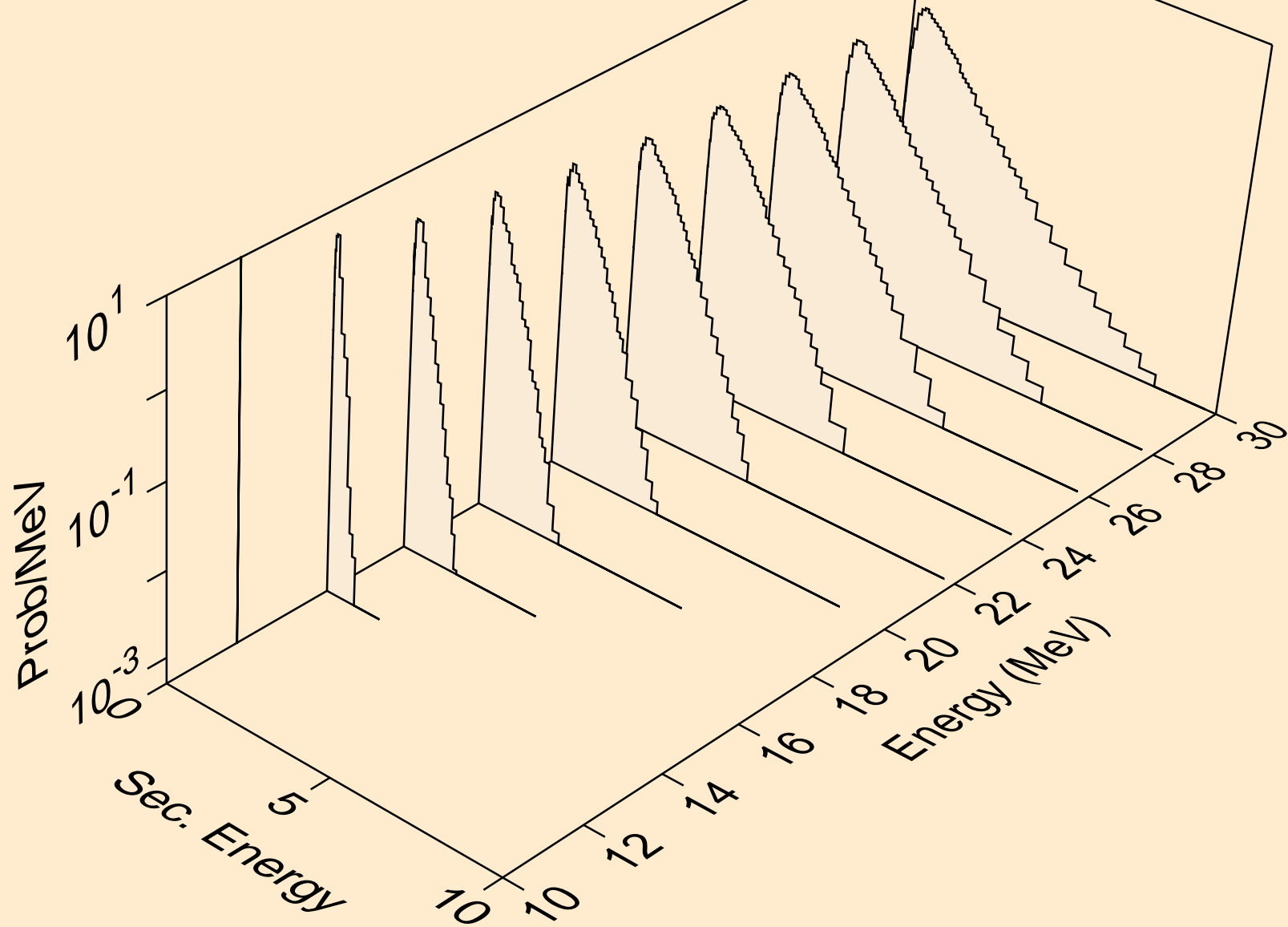
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,4n)



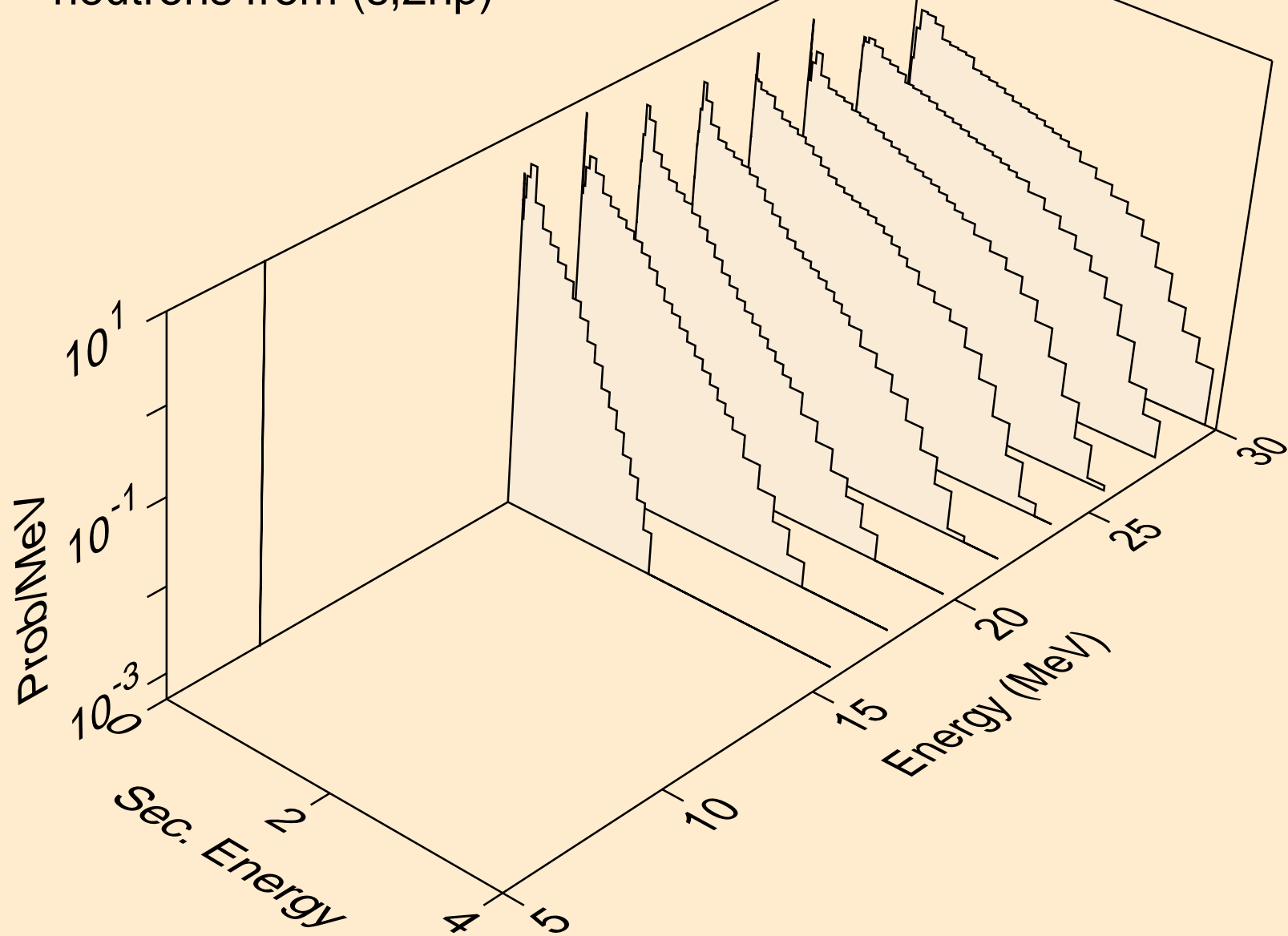
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2np)



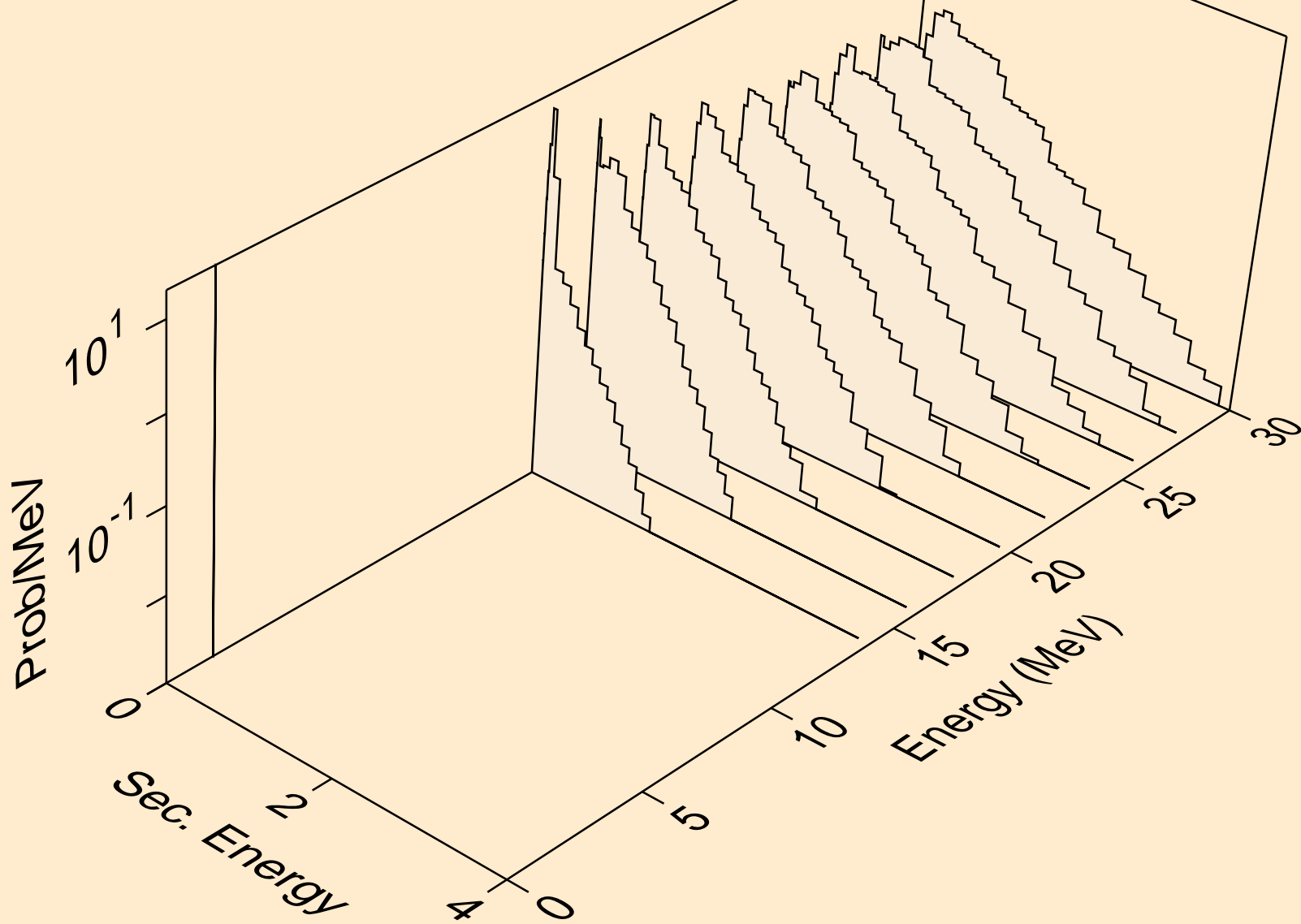
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,3np)



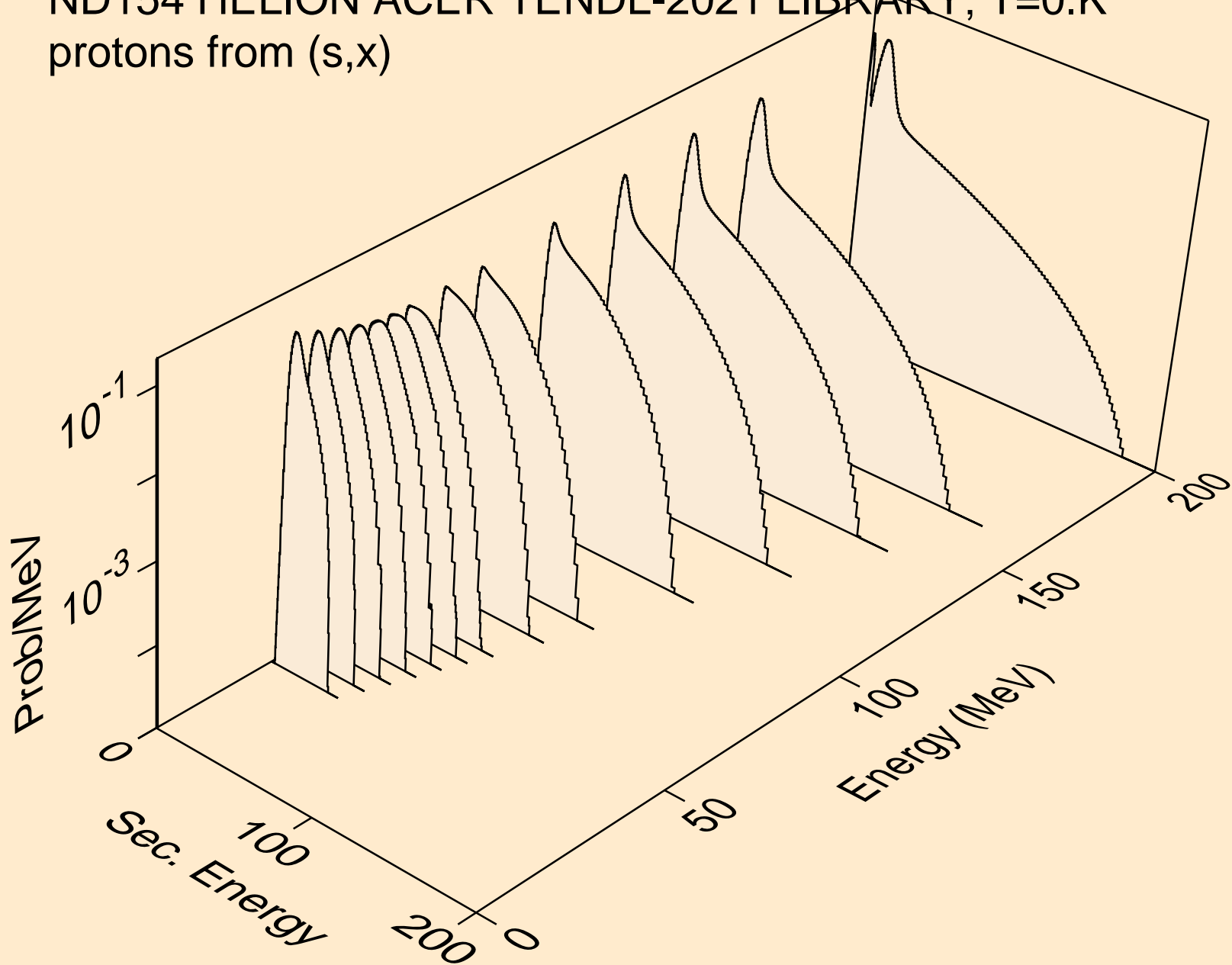
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2np)



ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,npa)

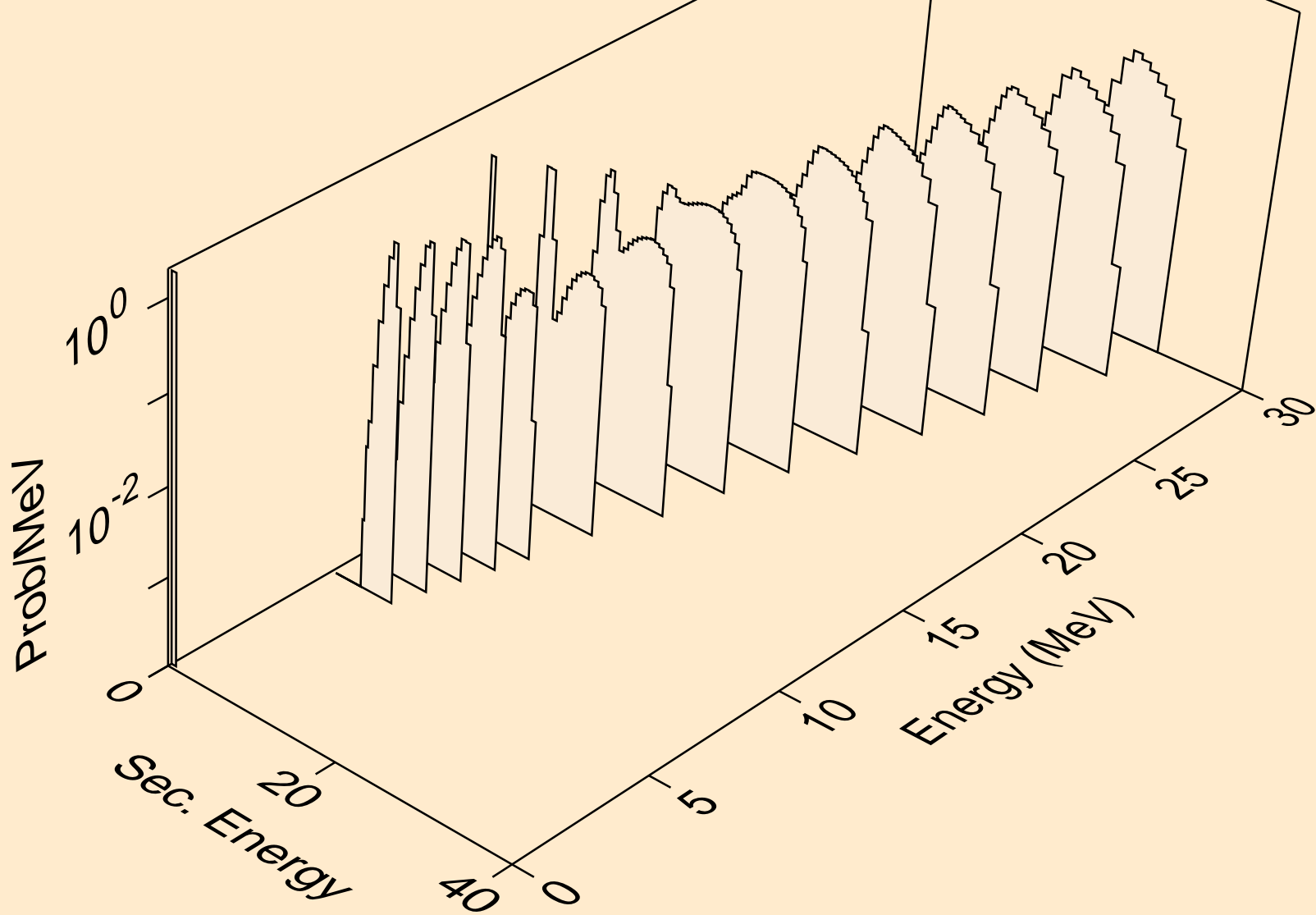


ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,x)

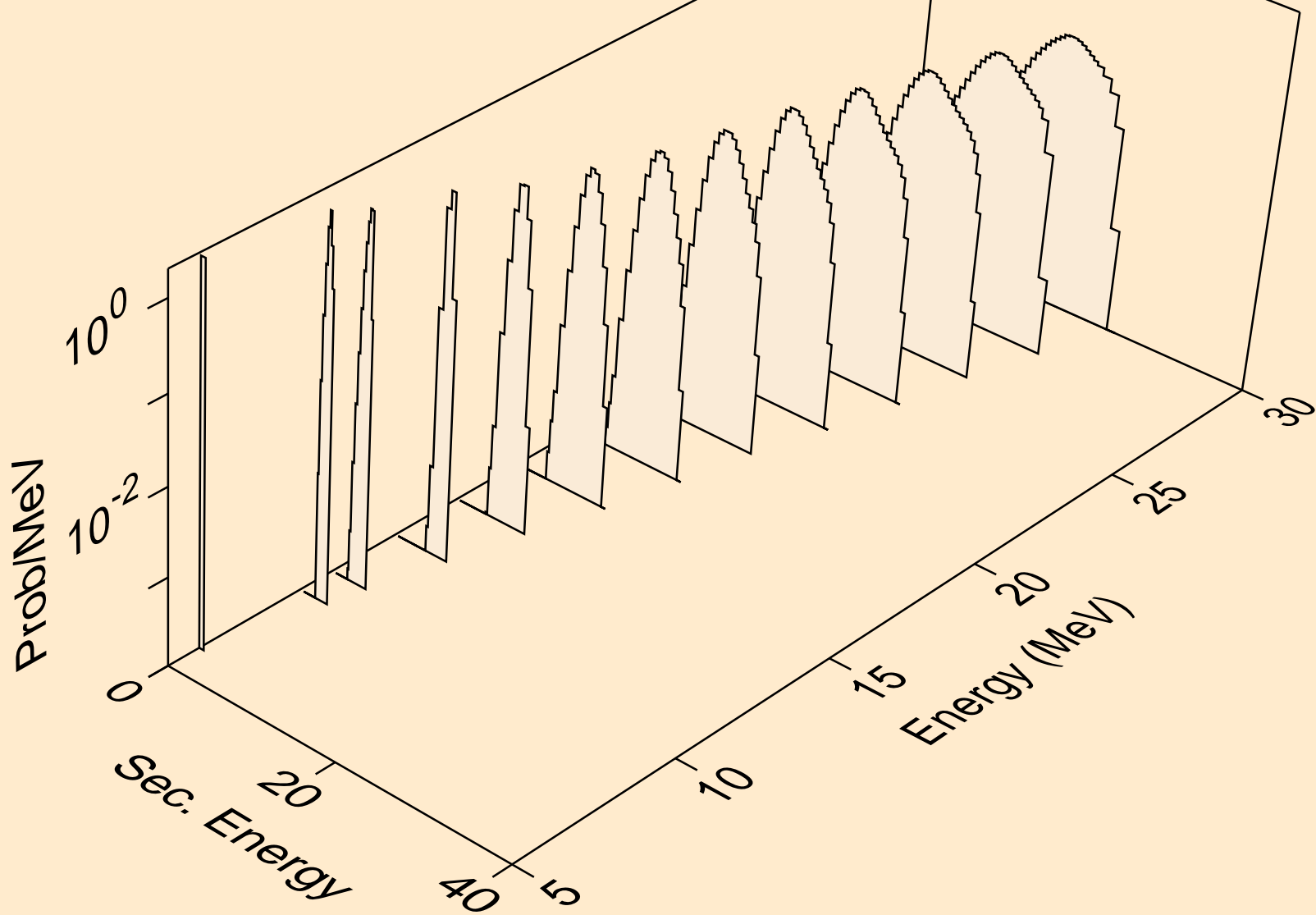




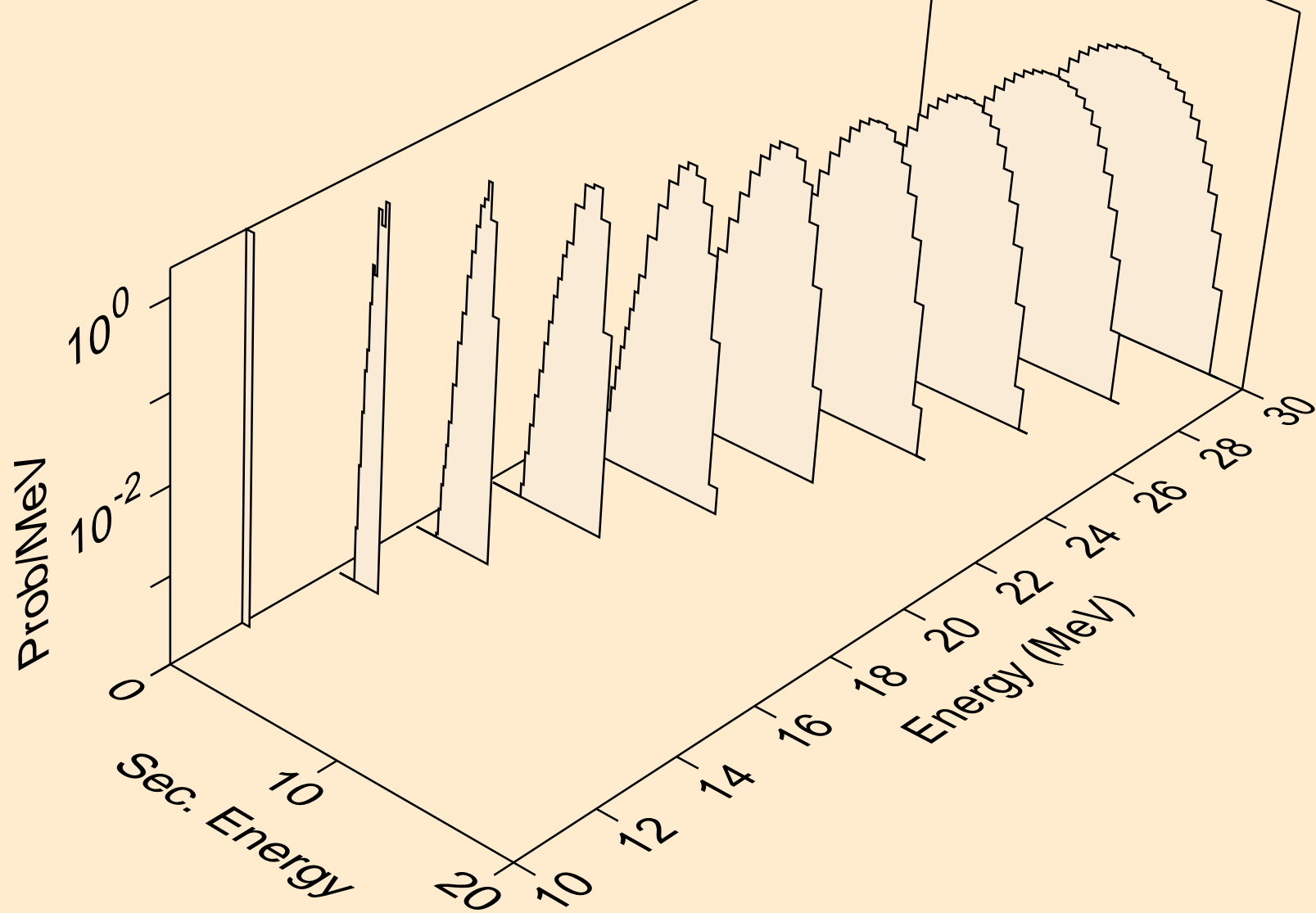
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,n\*)p



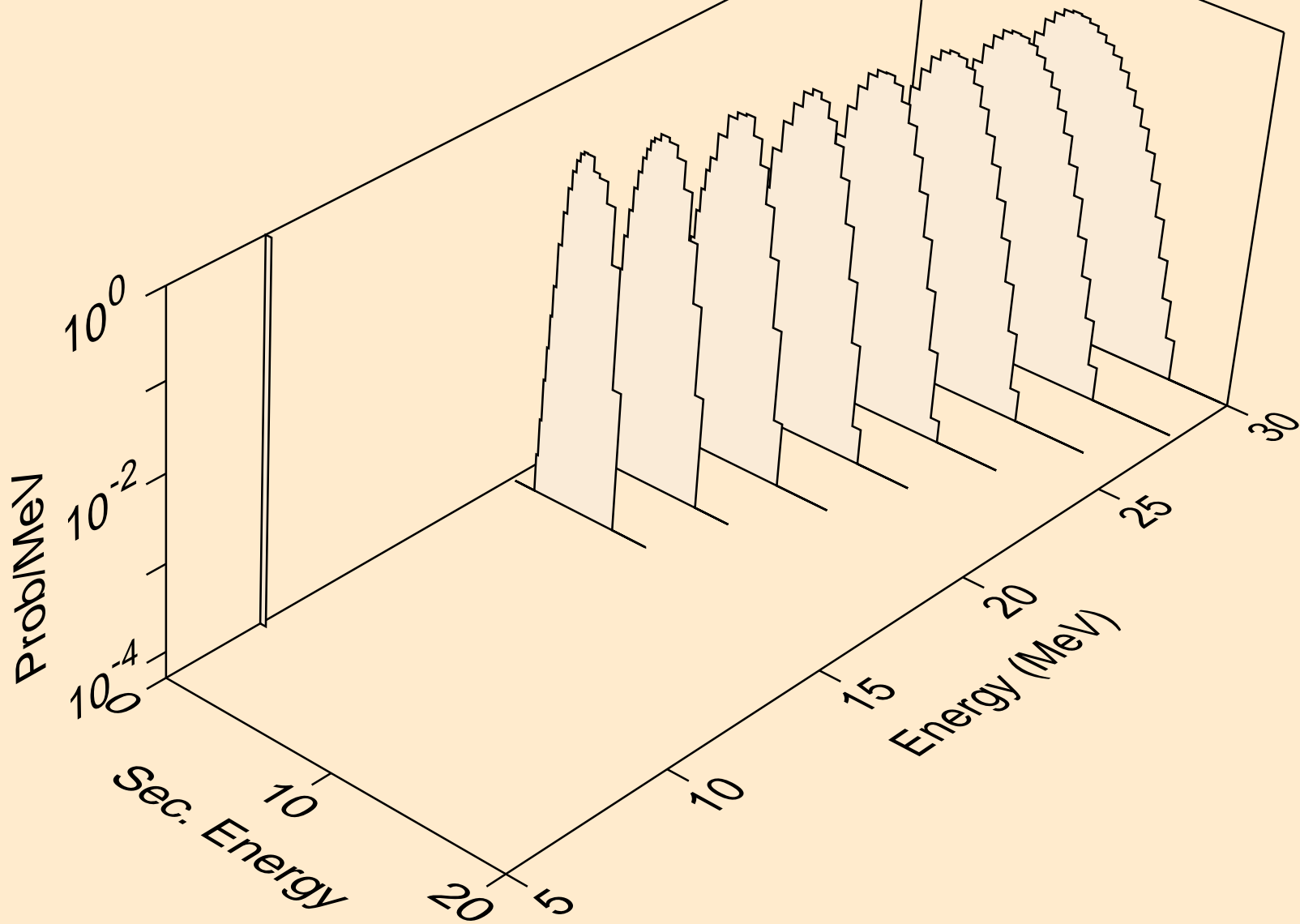
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,2np)



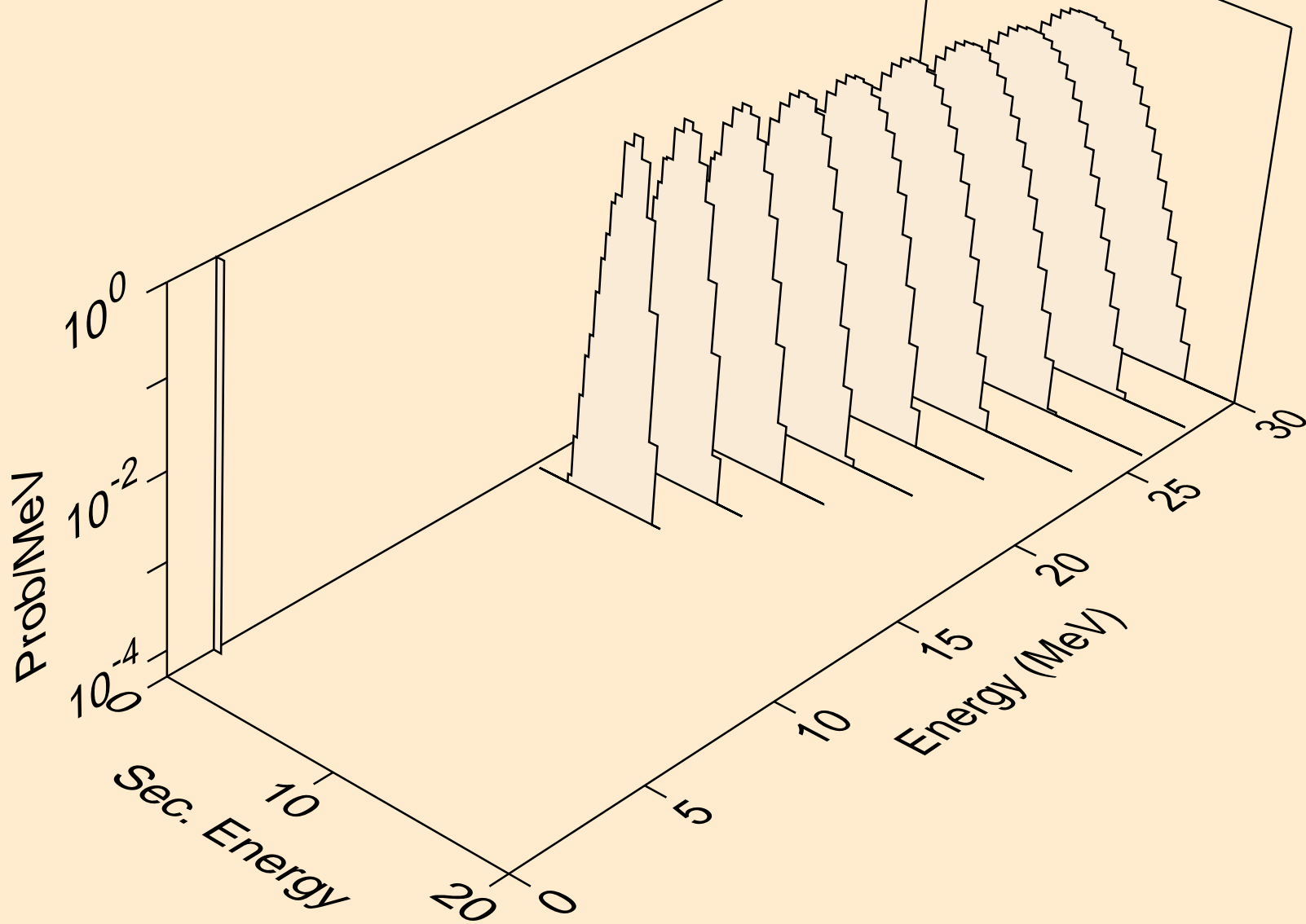
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,3np)



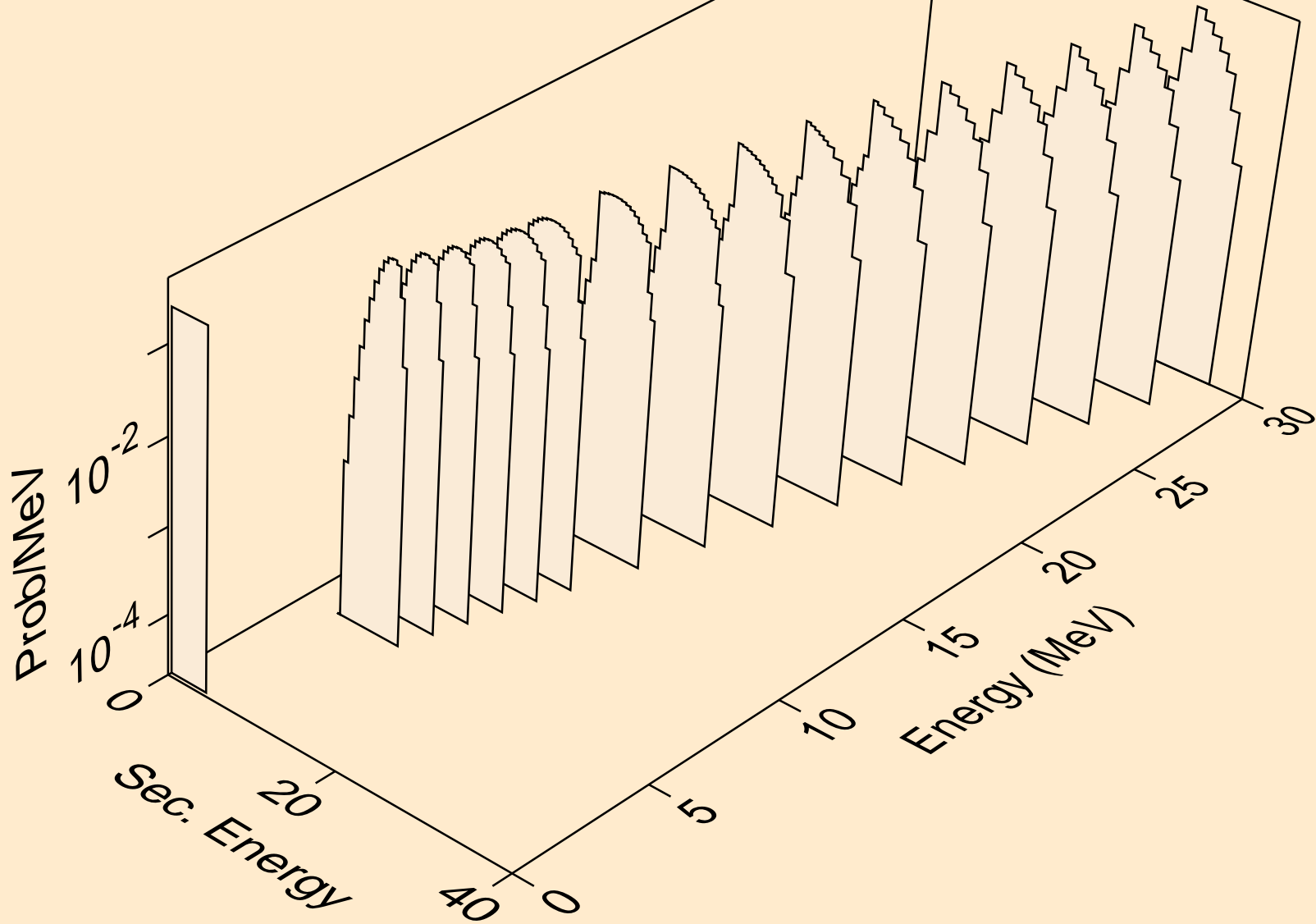
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,2np)



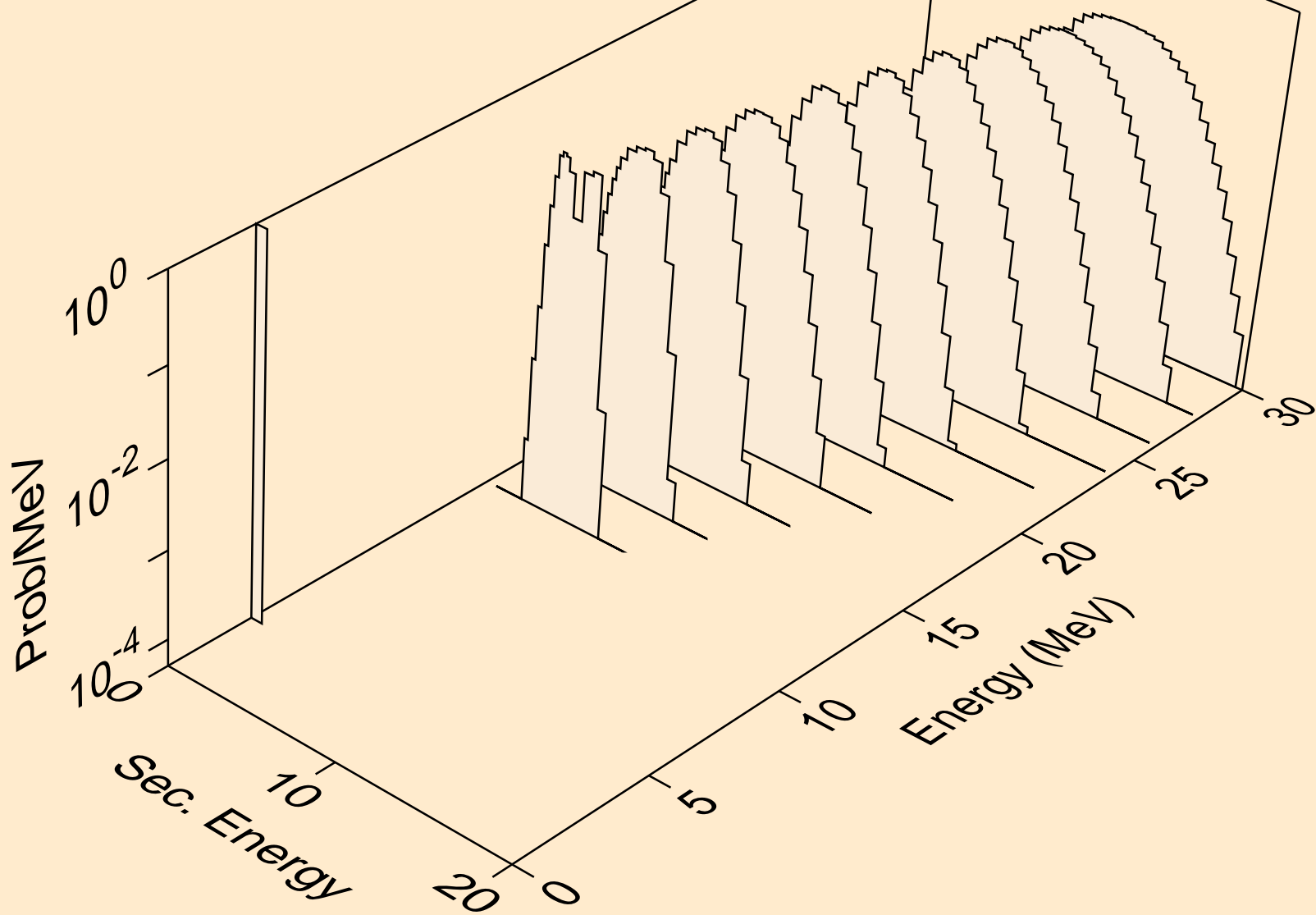
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,npa)



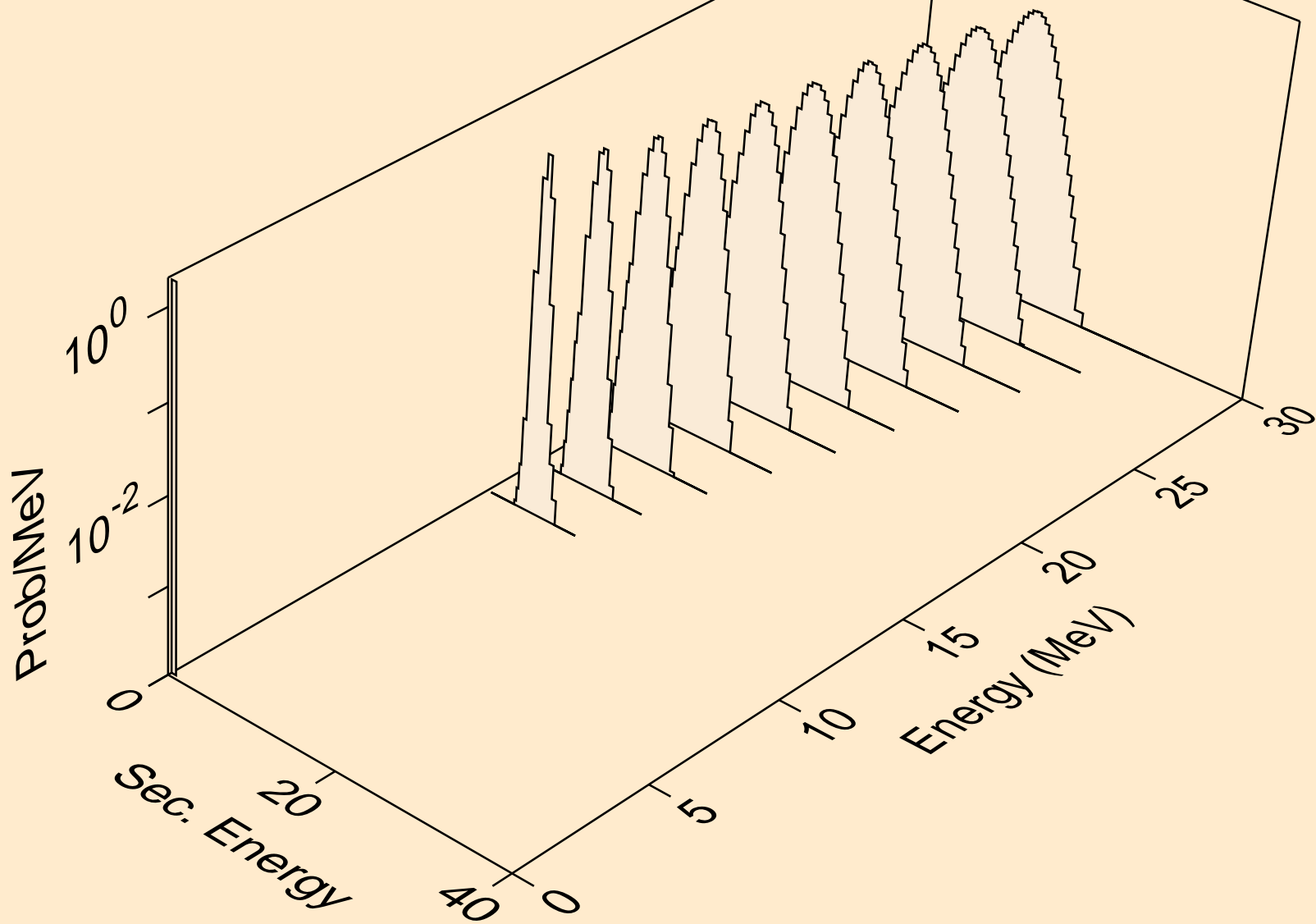
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,p)



ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,2p)

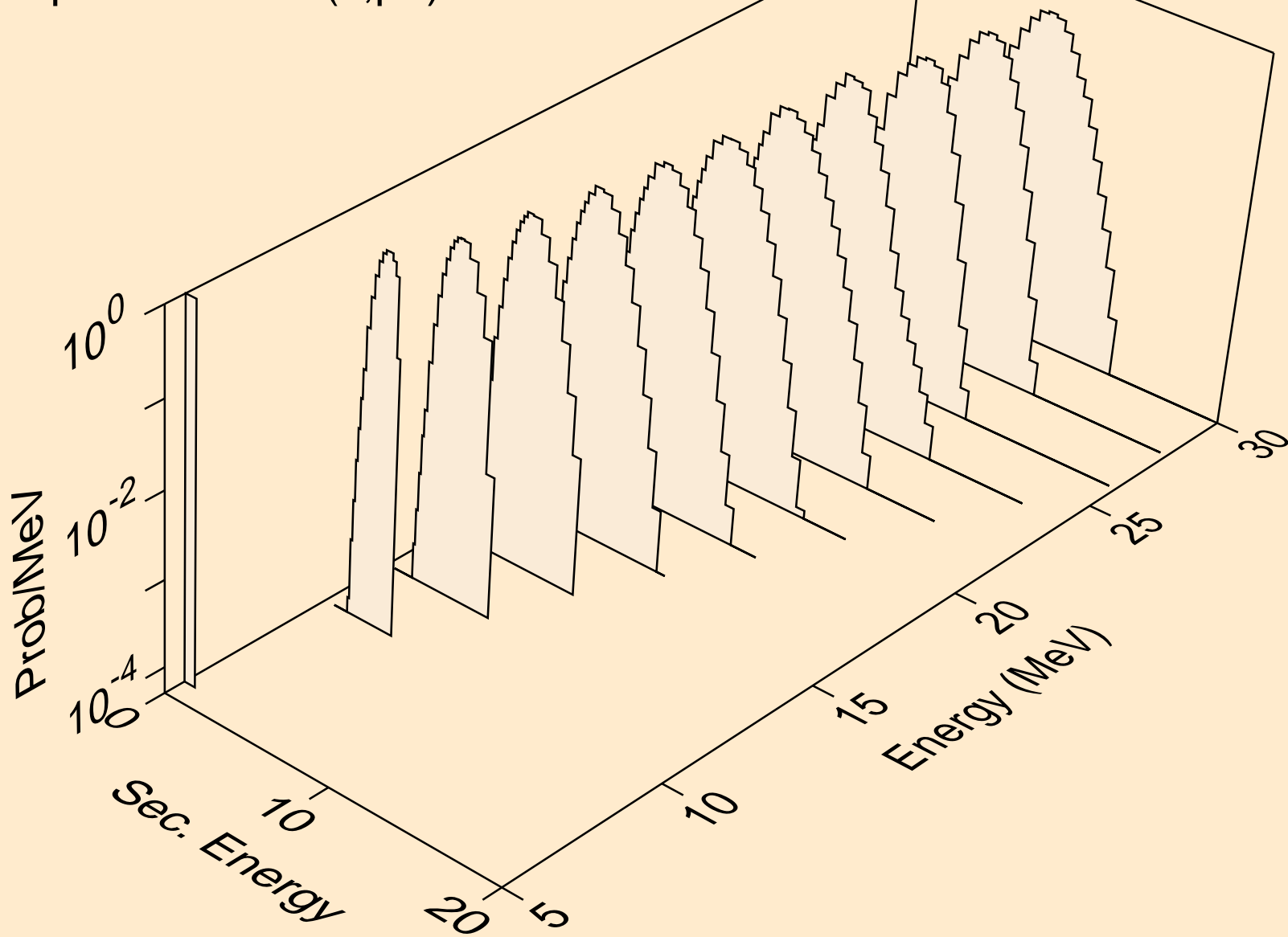


ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,pa)

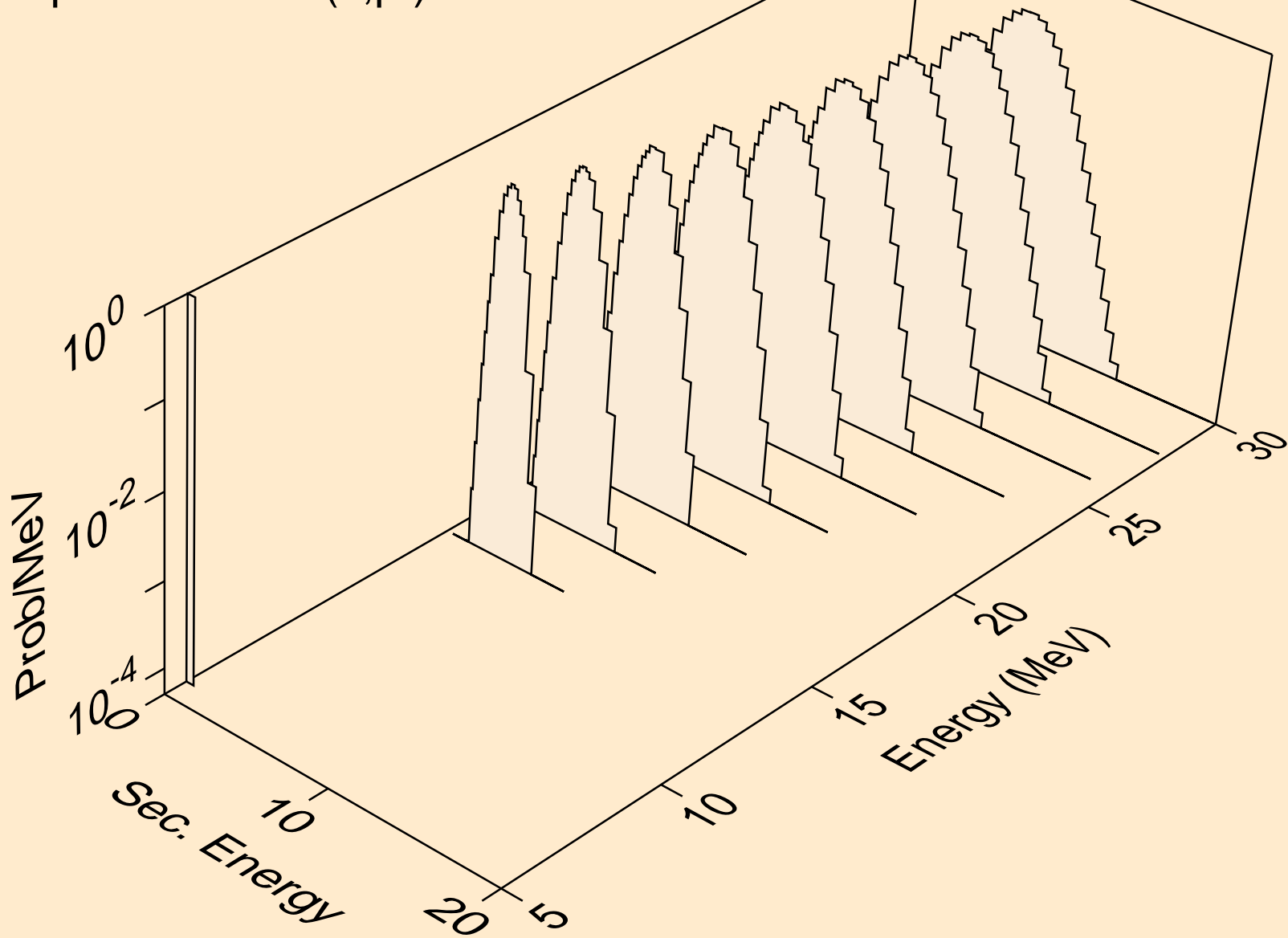




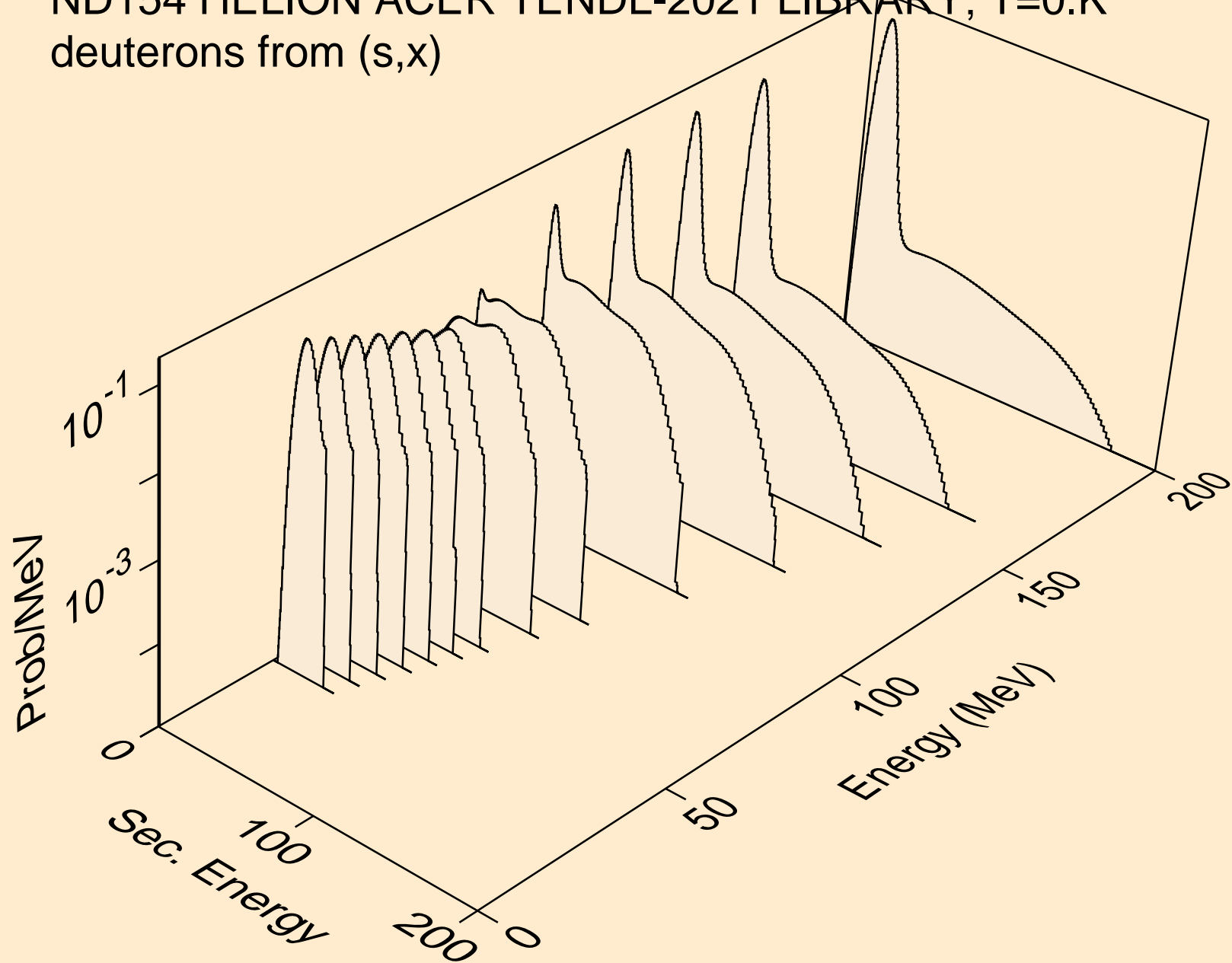
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,pd)



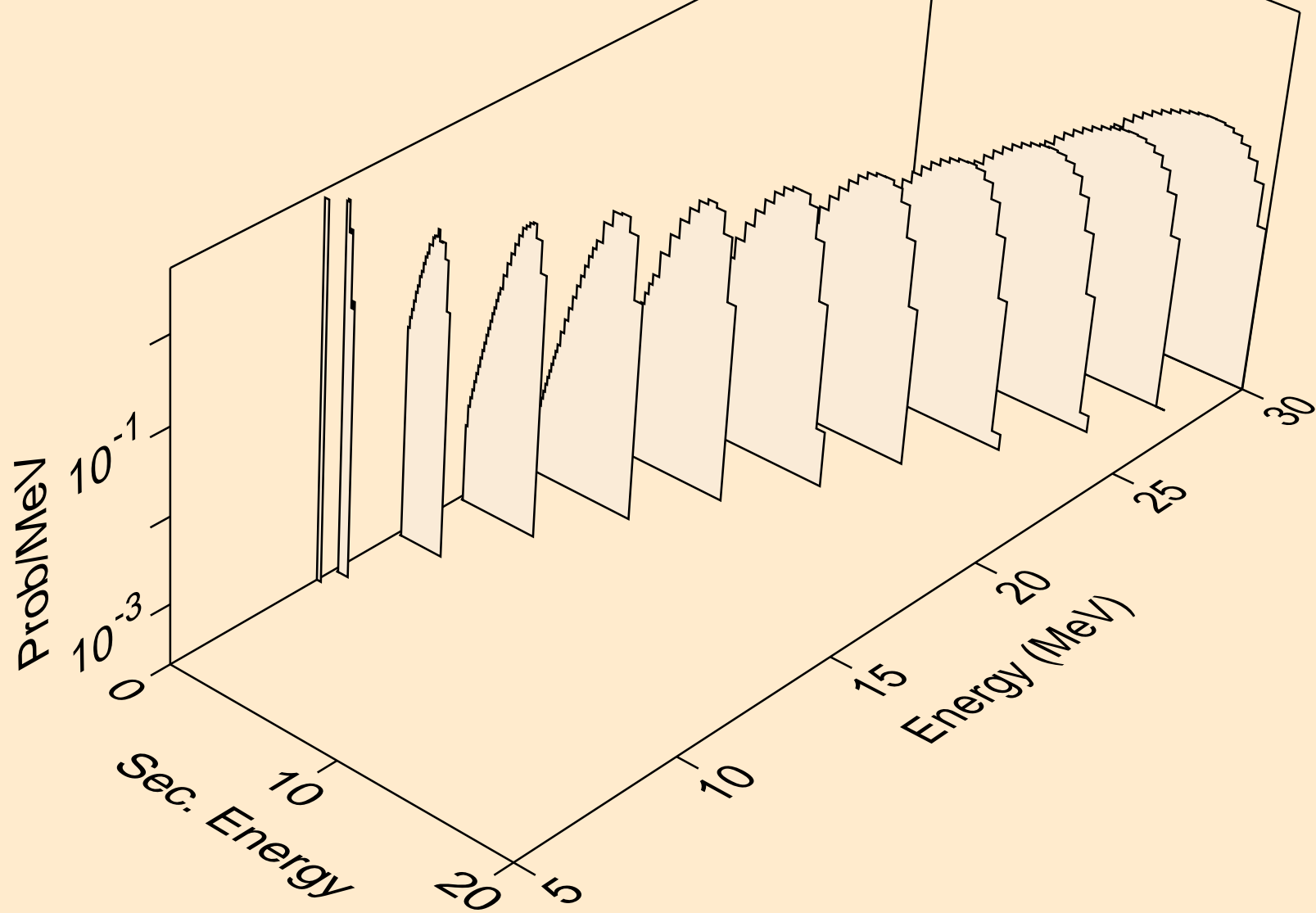
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,pt)



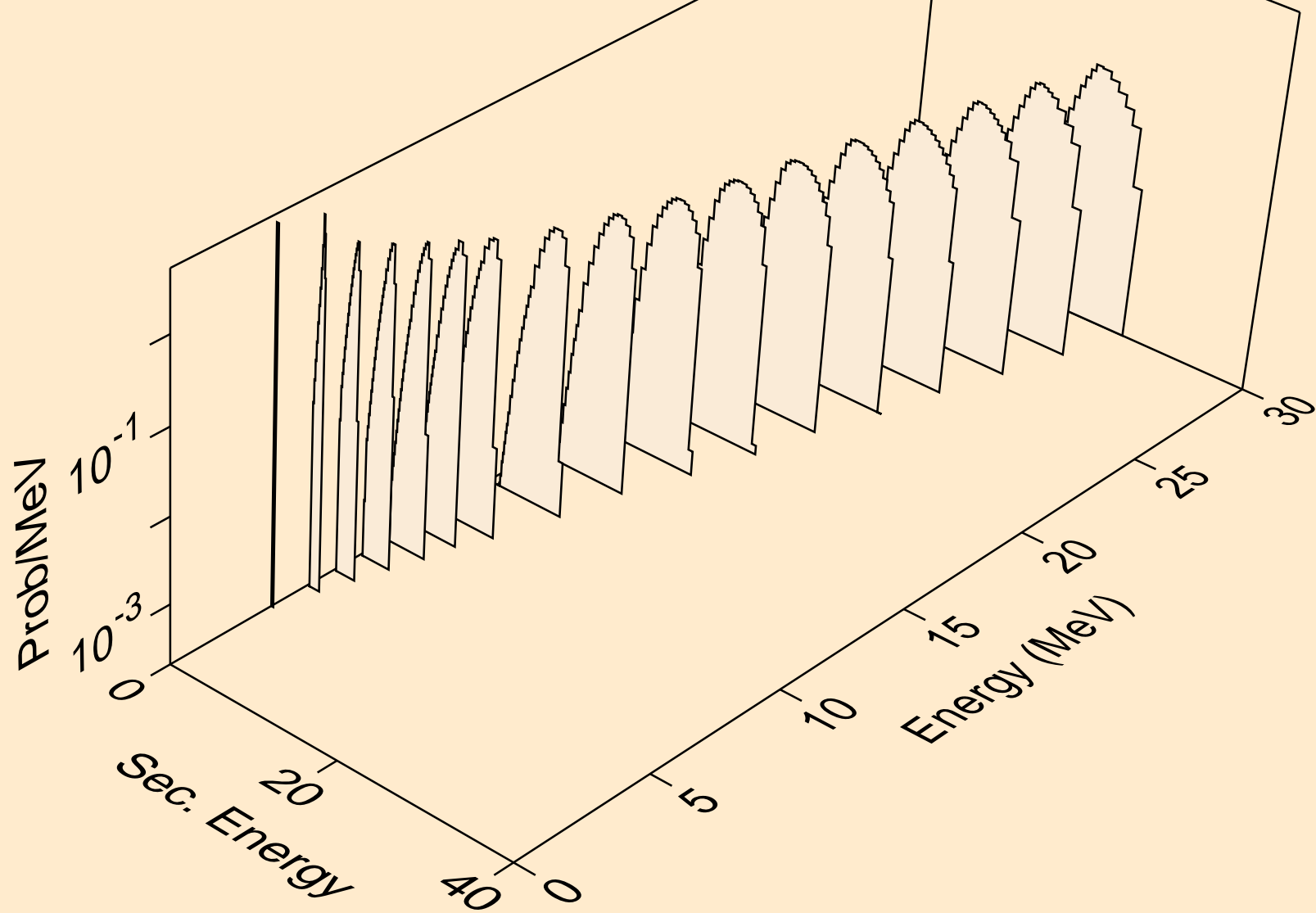
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,x)



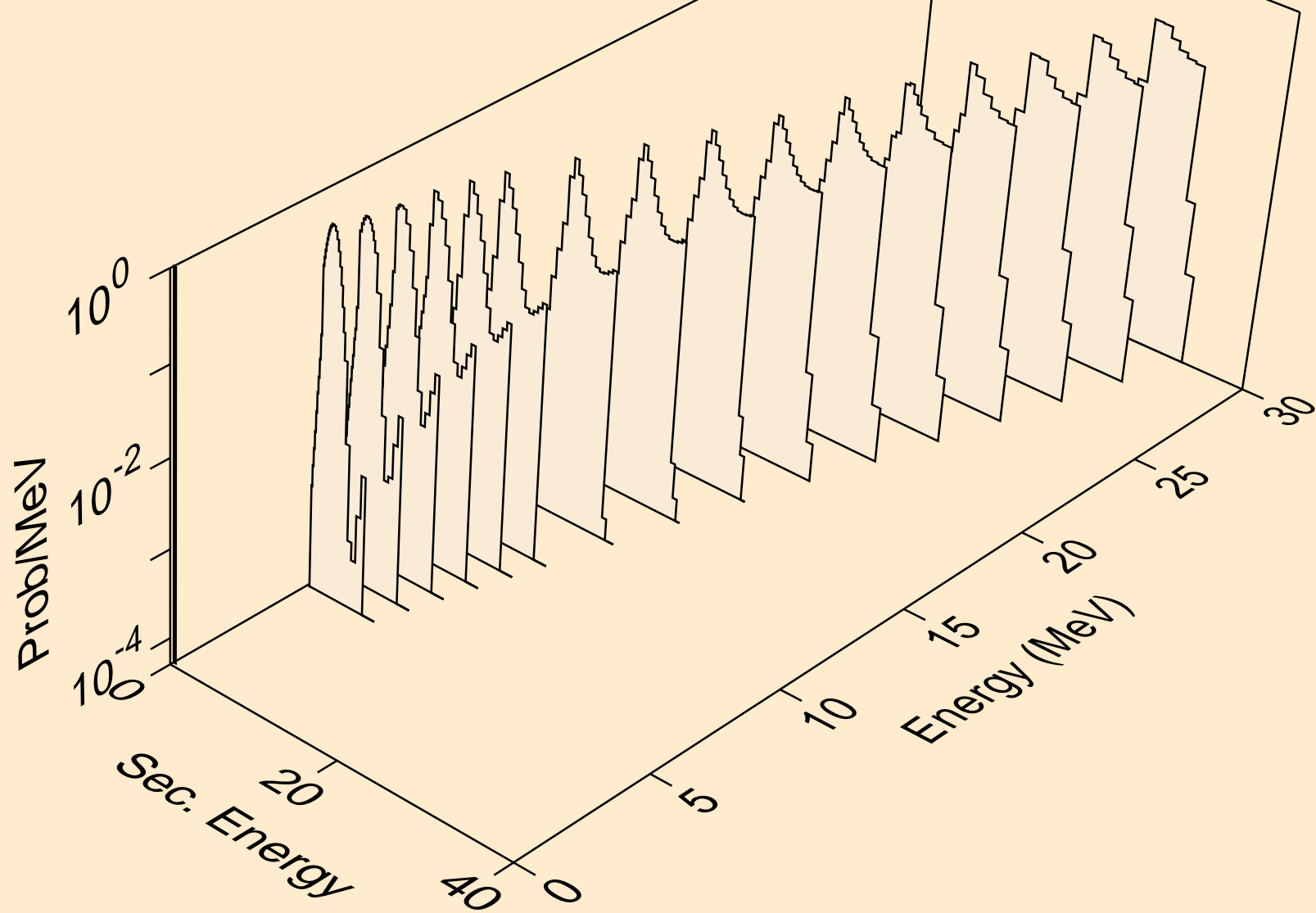
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,2nd)



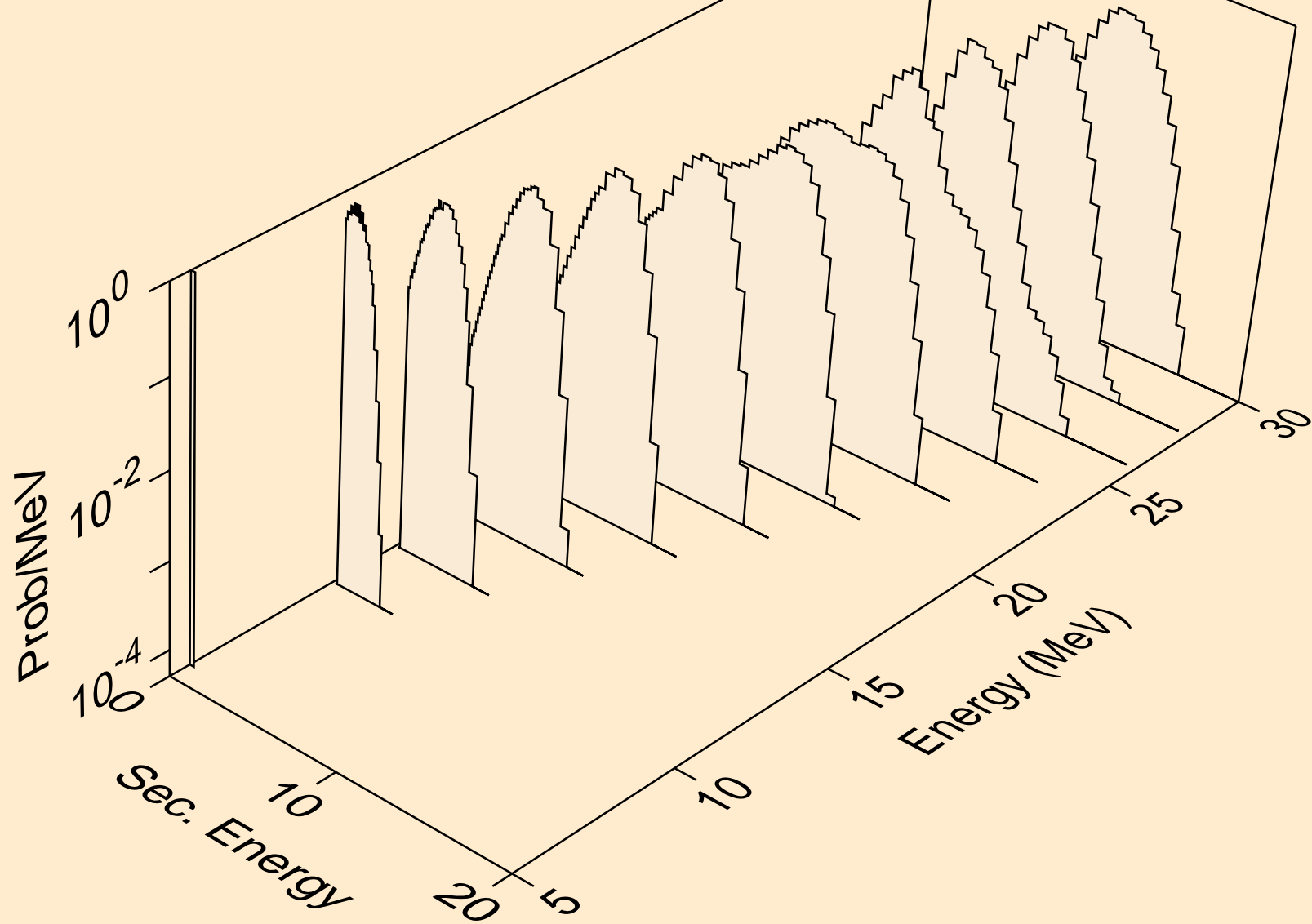
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,n\*)d



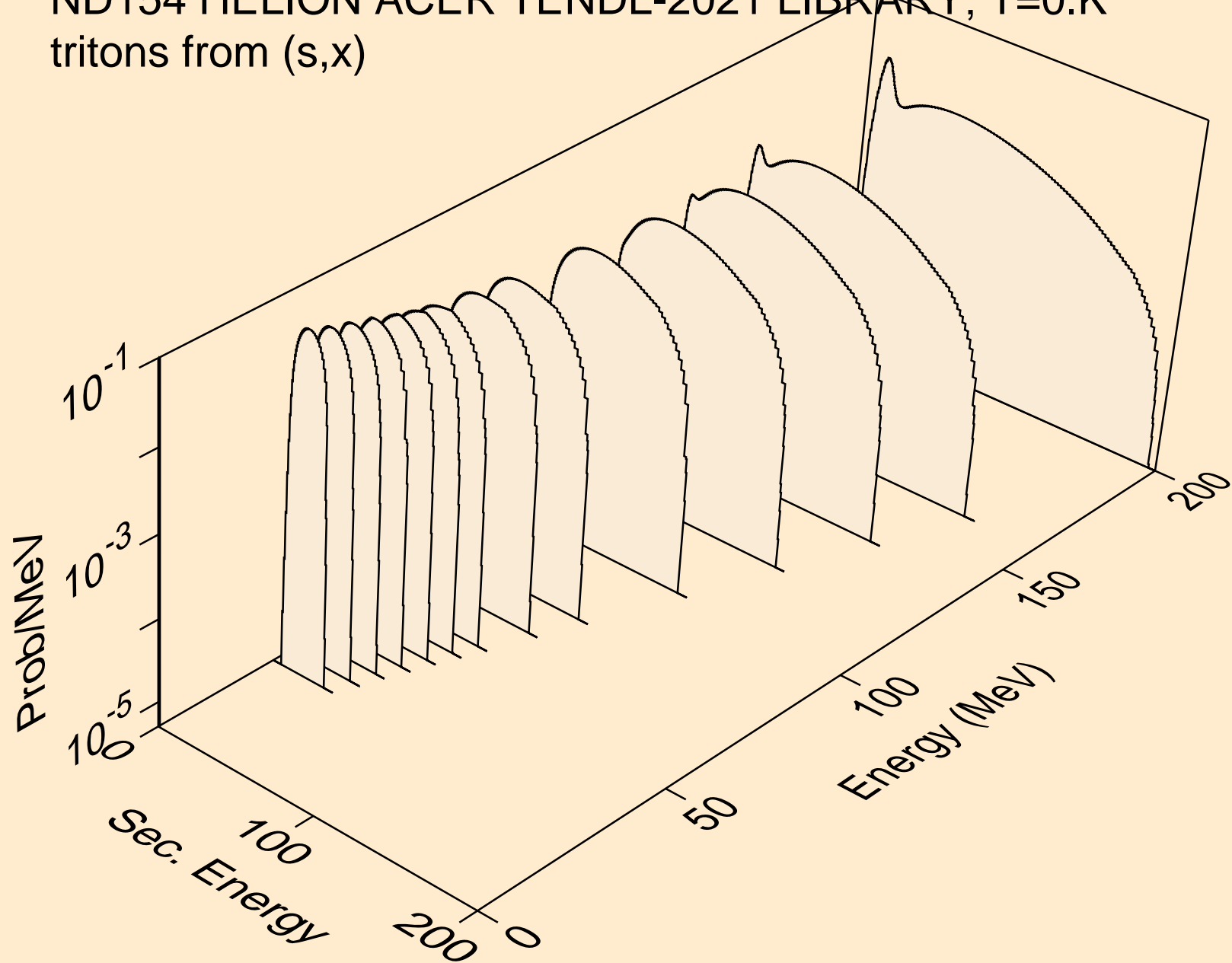
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,d)



ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,pd)

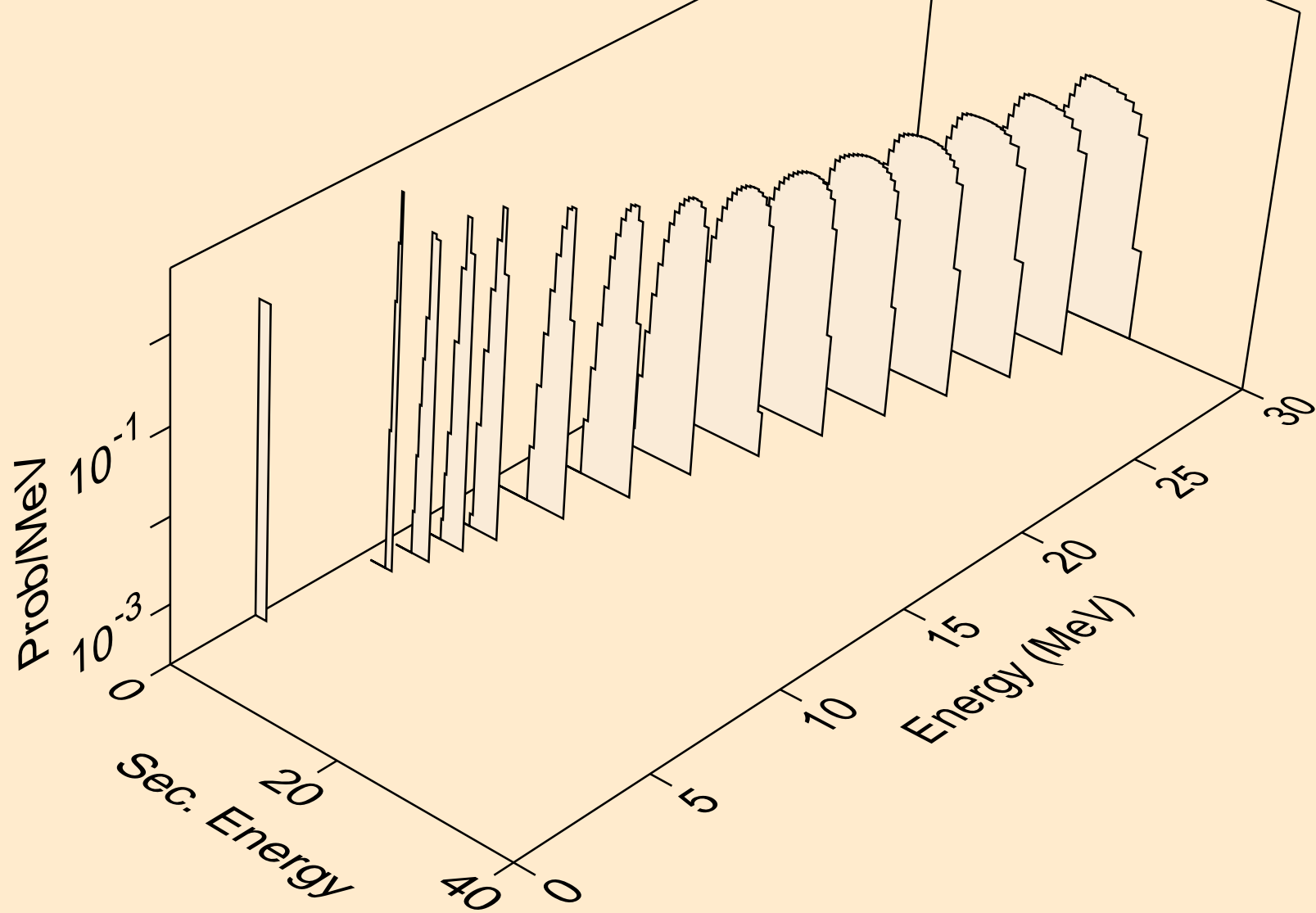


ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,x)

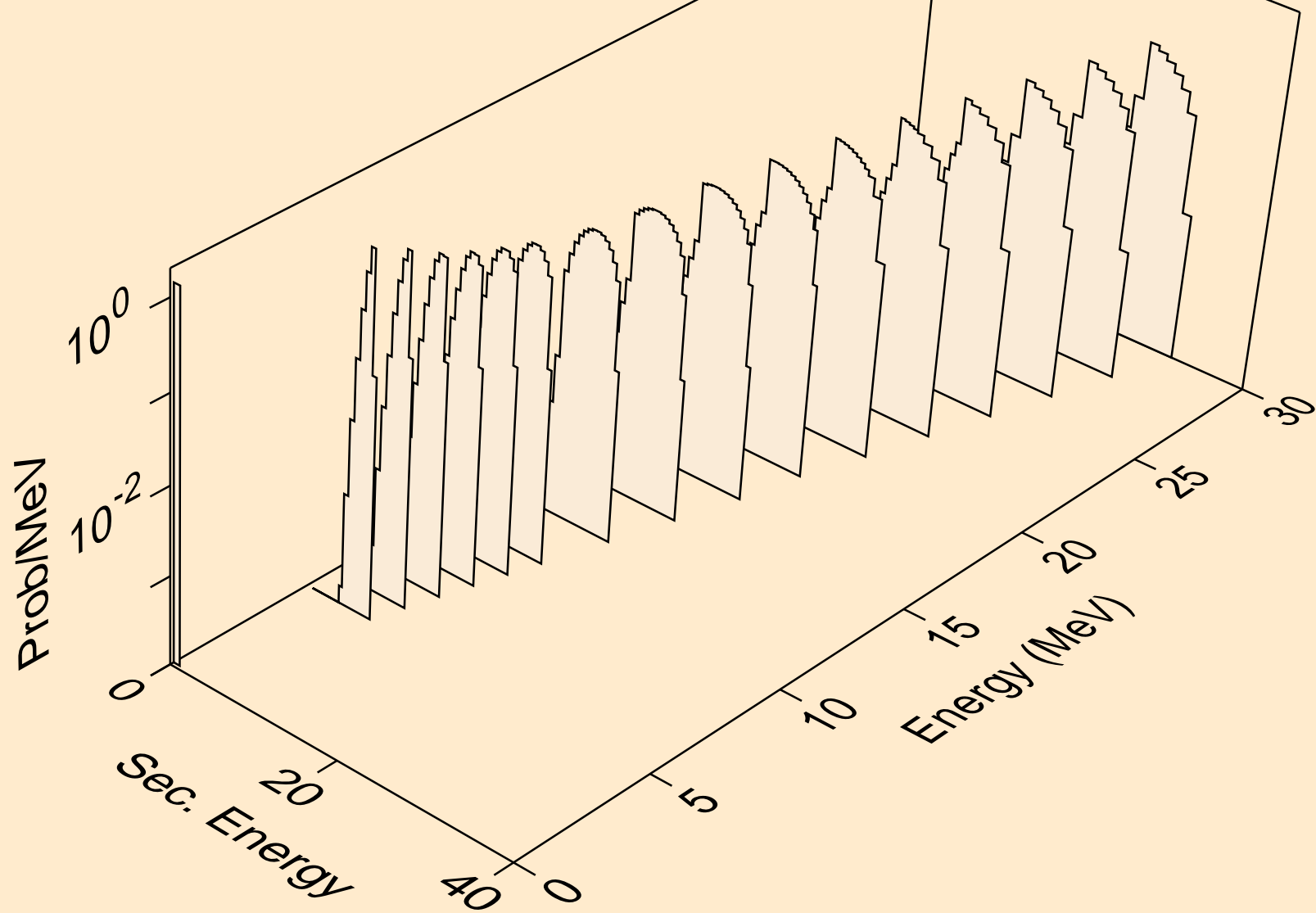




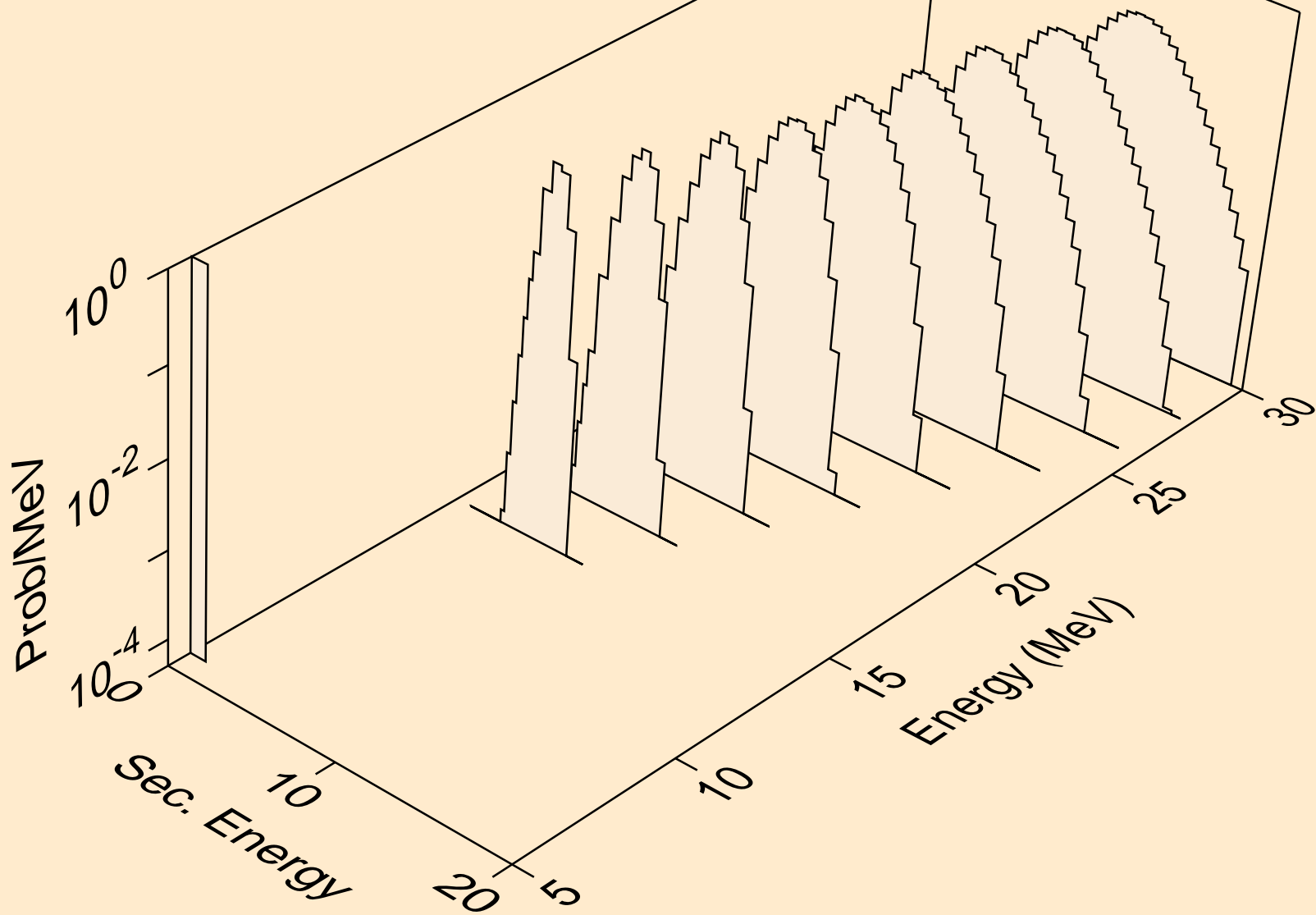
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,n\*)t



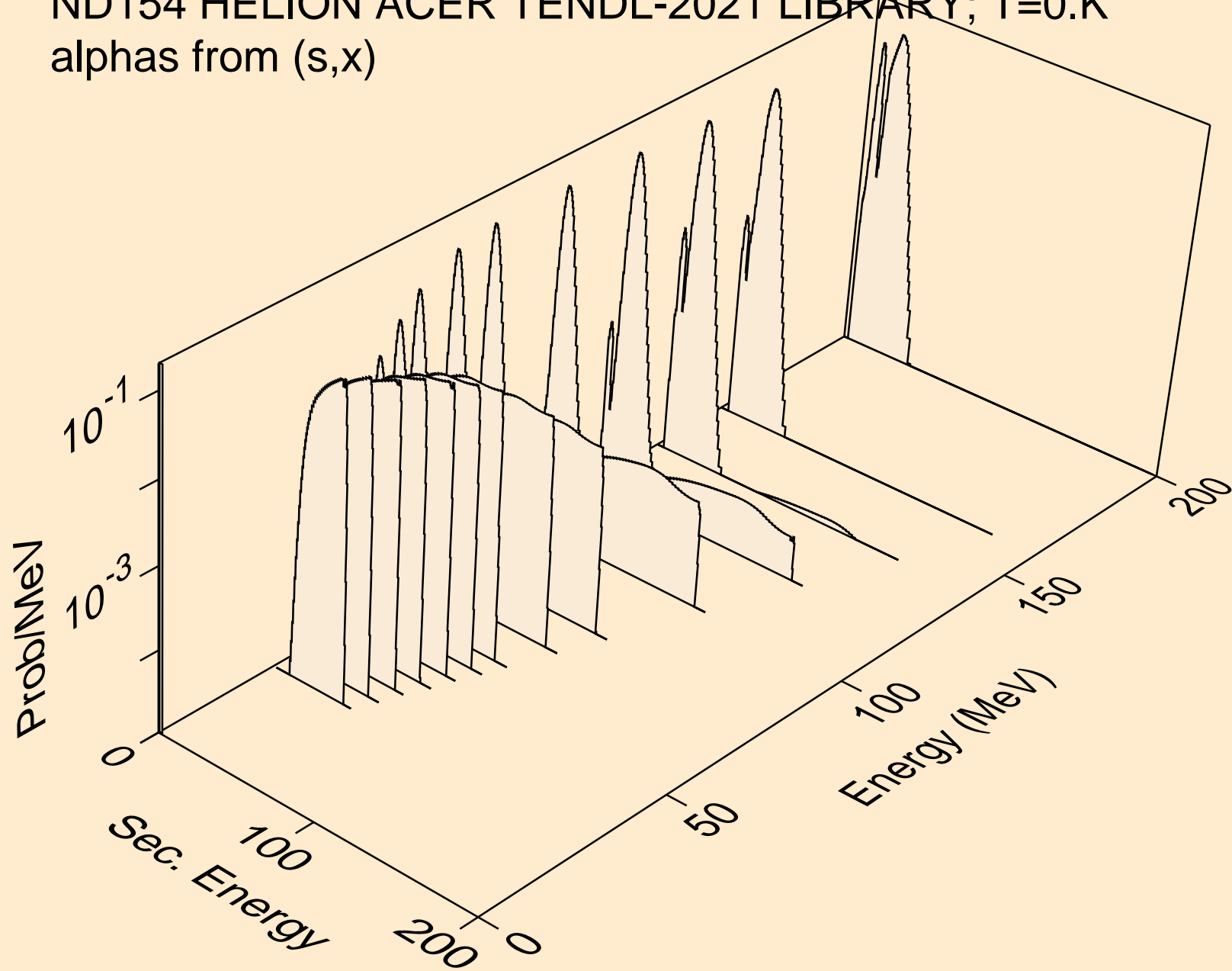
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,t)



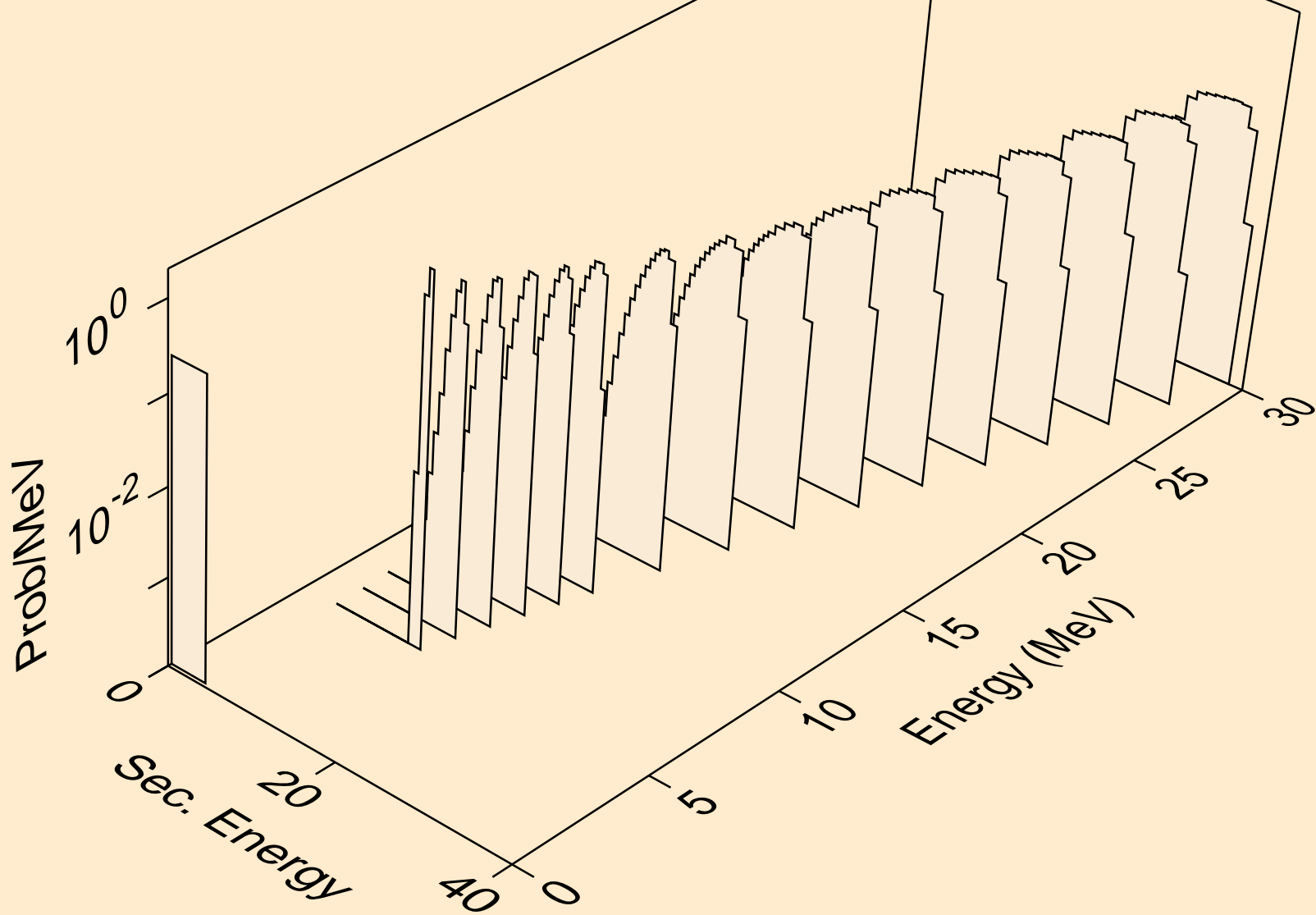
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,pt)



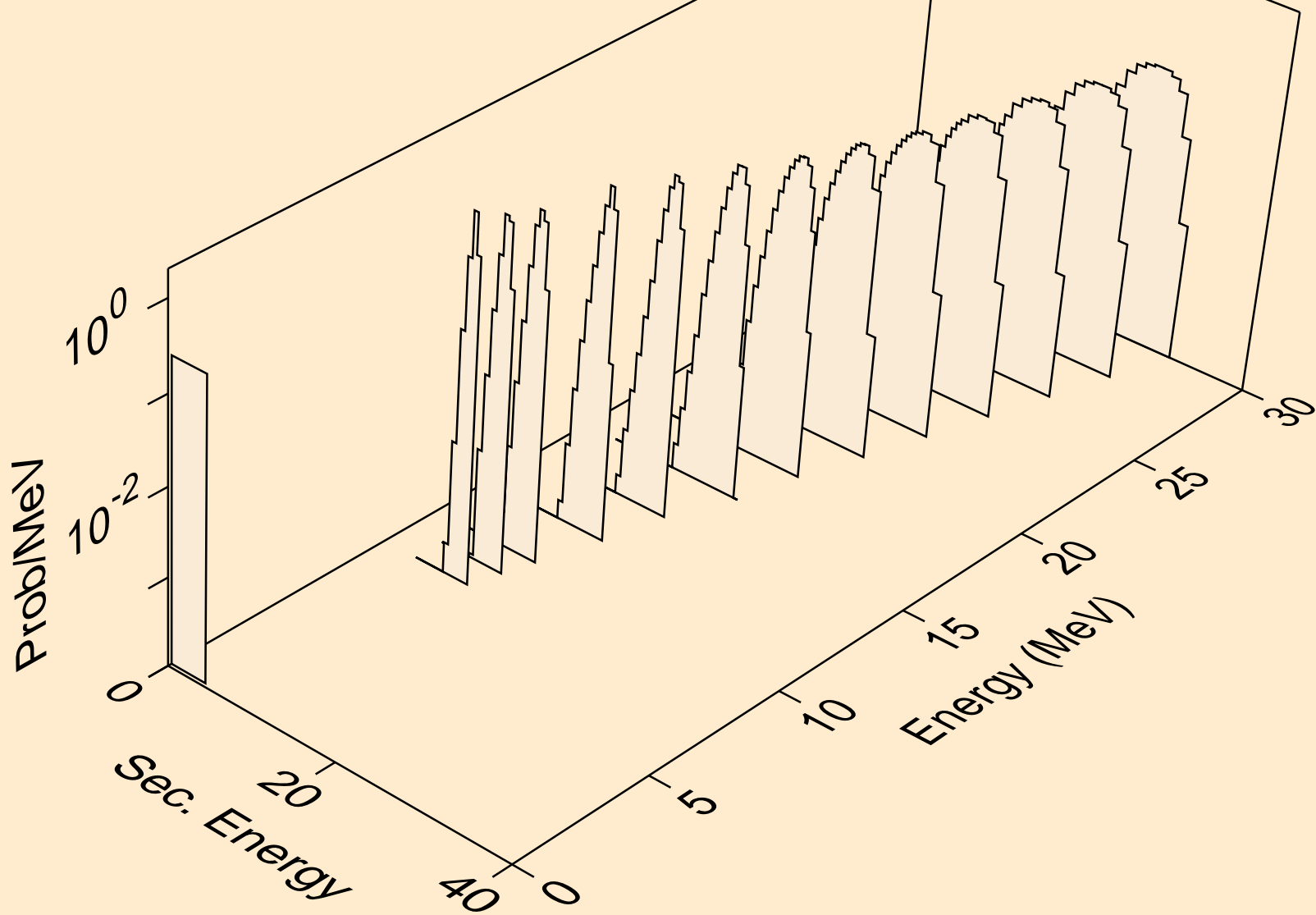
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,x)



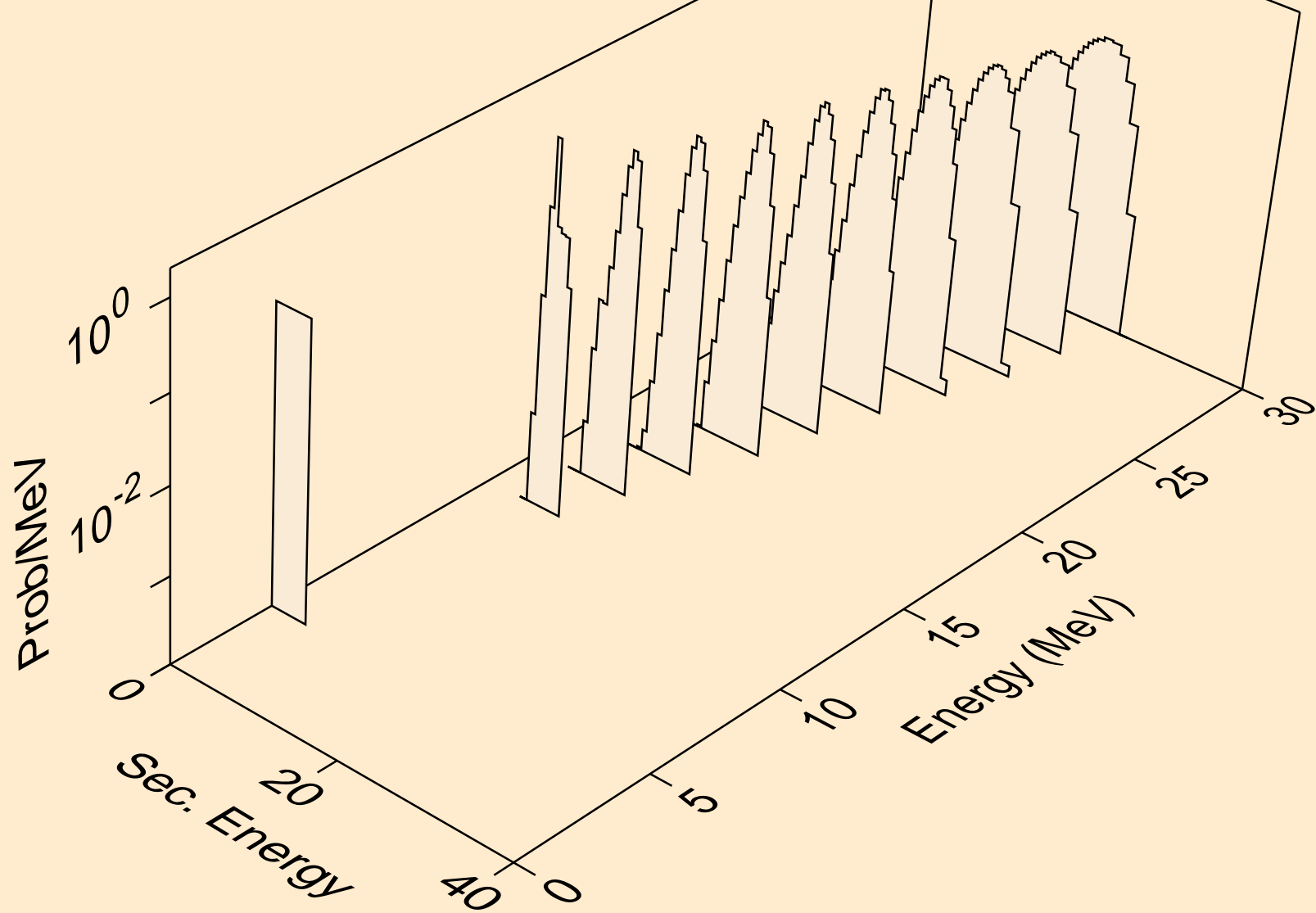
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,n\*)a



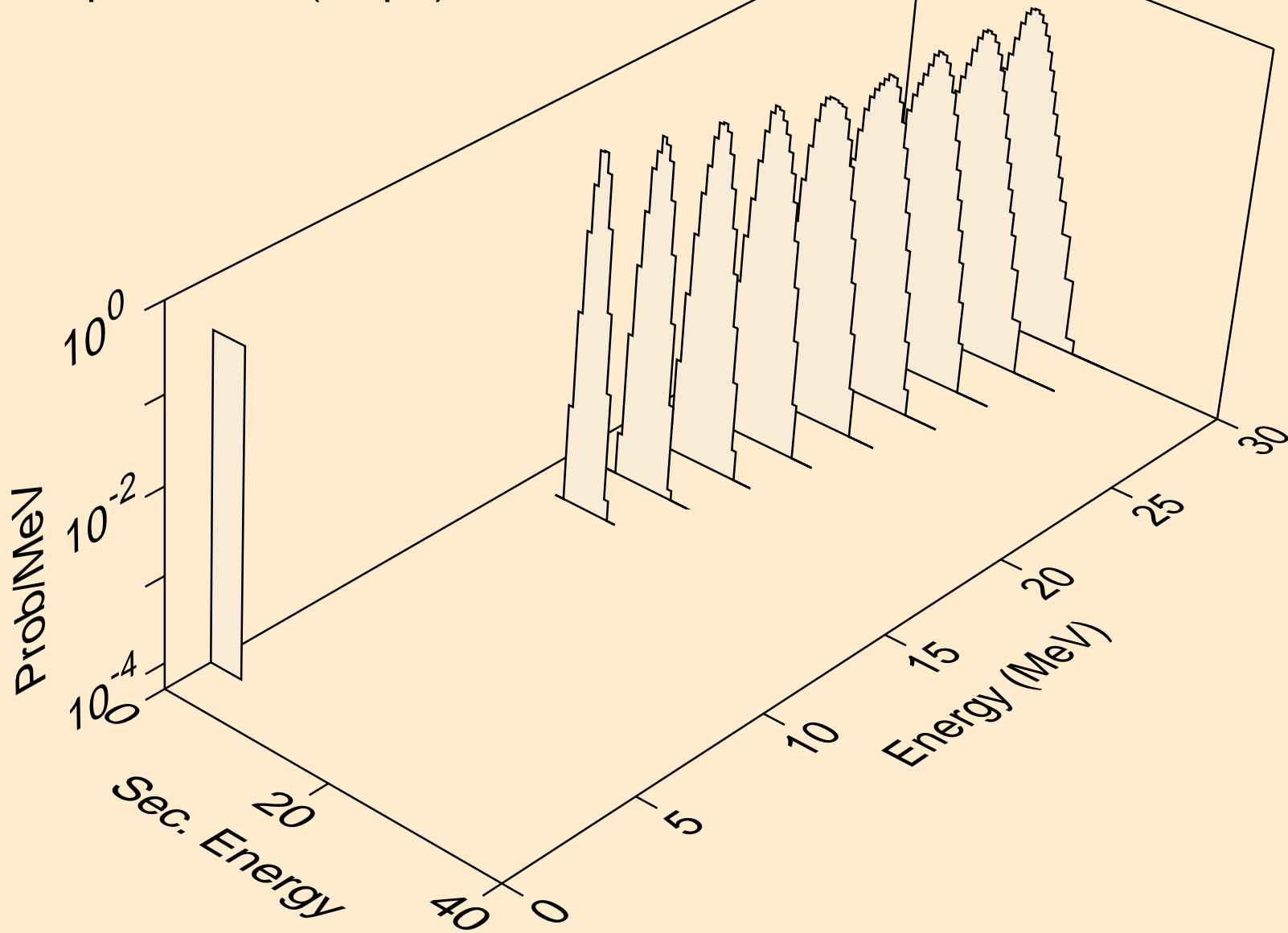
ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,2n)a



ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,3n)a

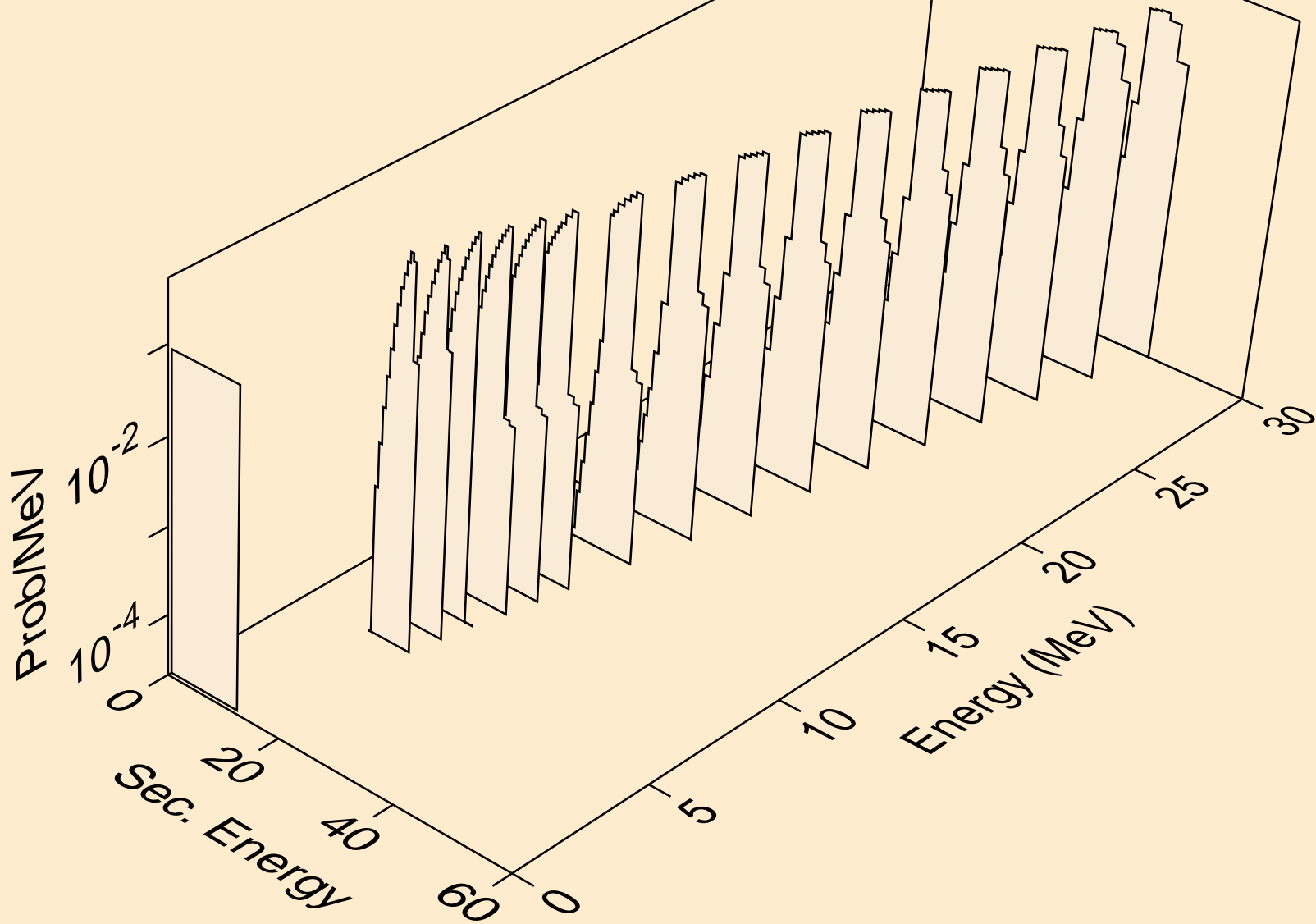


ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,npa)





ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,a)



ND154 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,pa)

