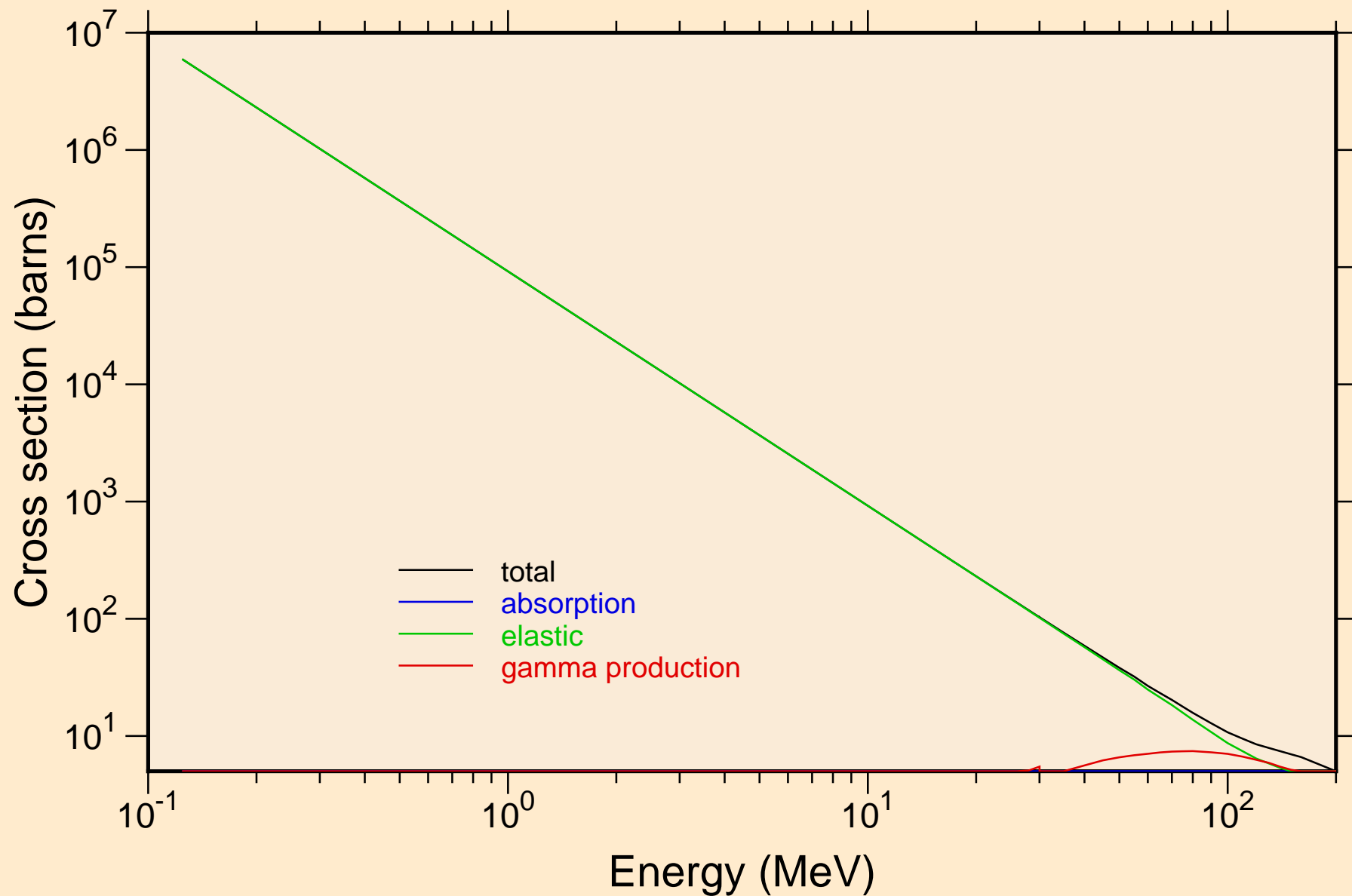


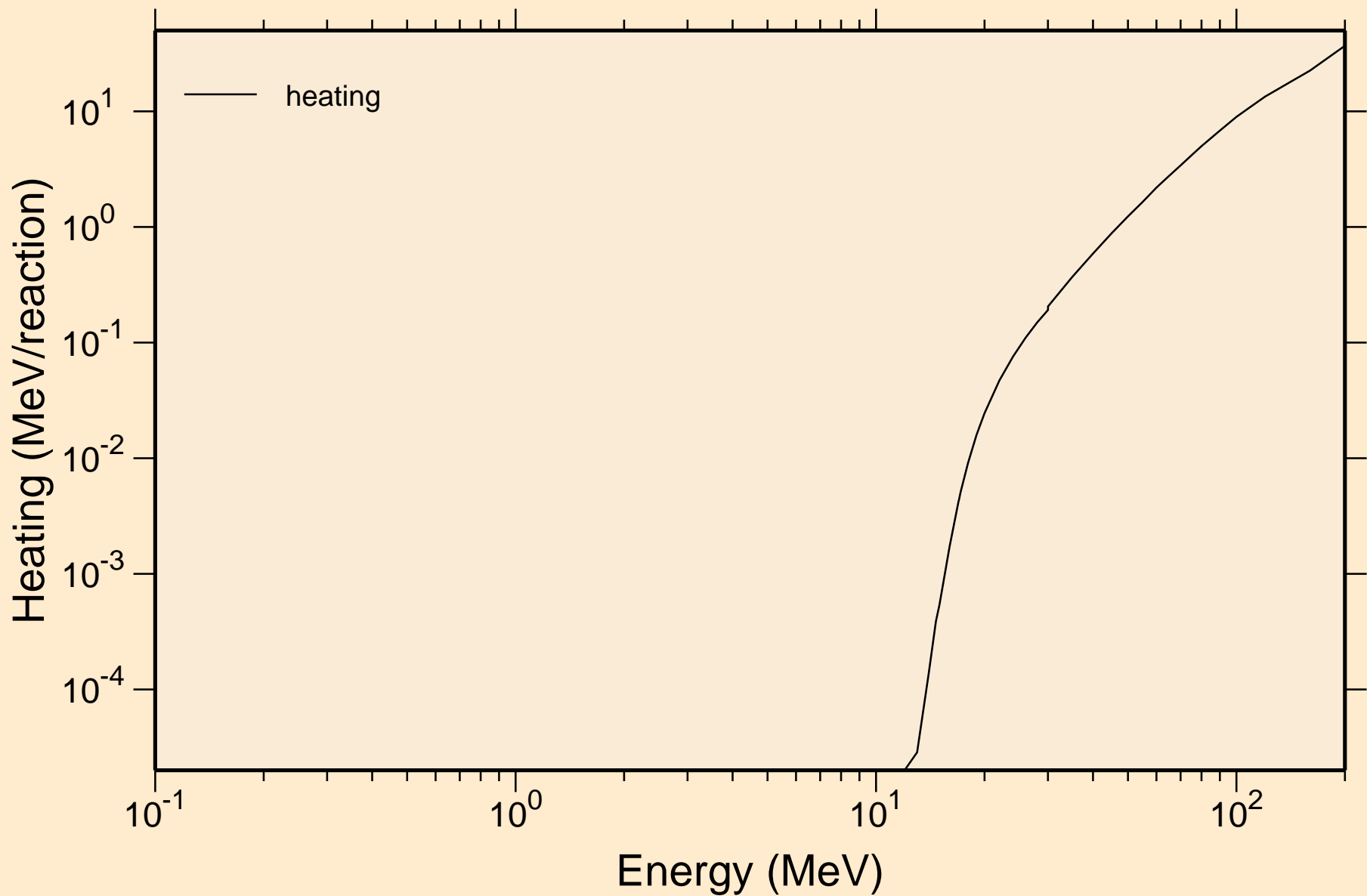
# ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



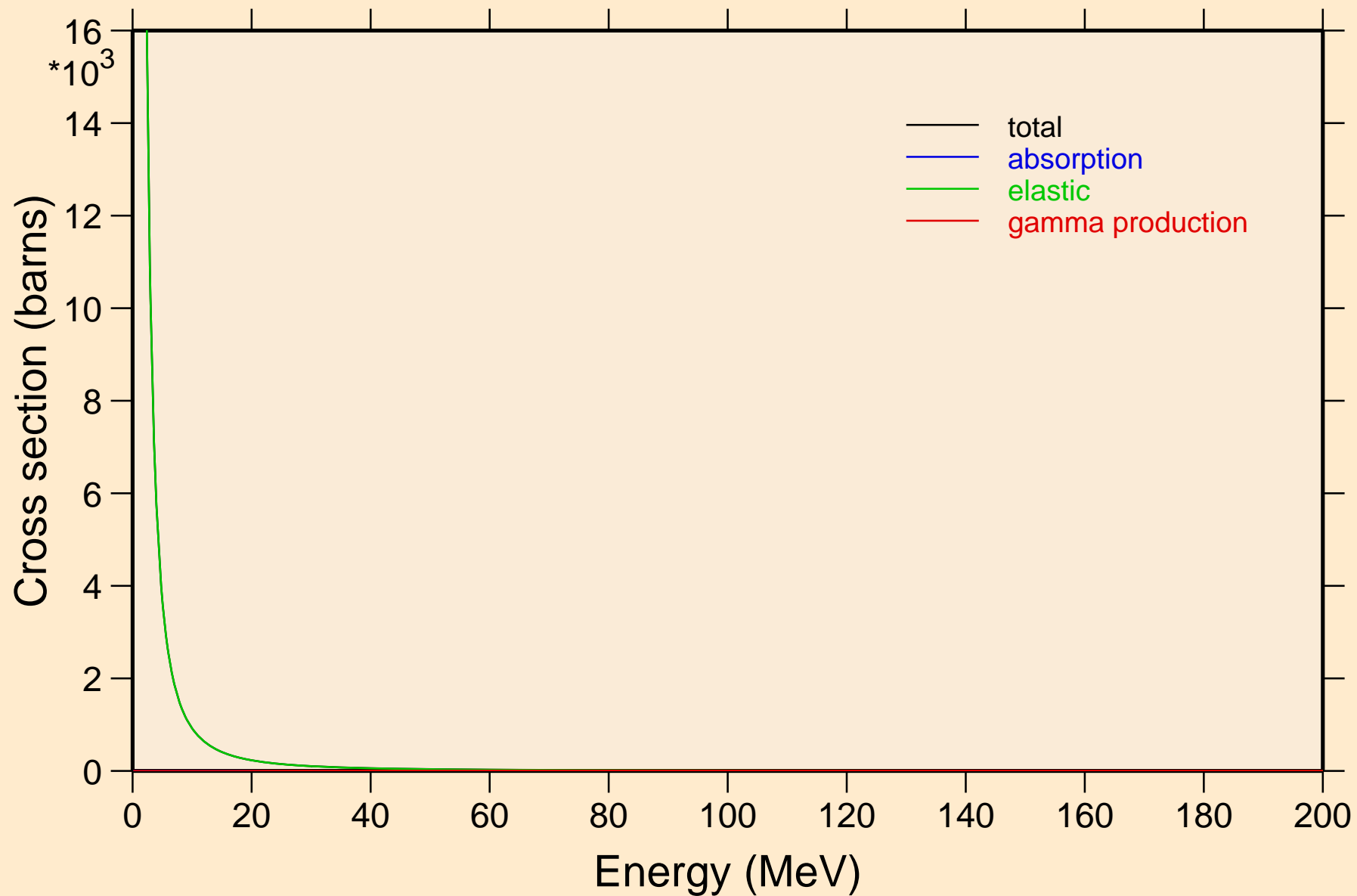
# ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Heating



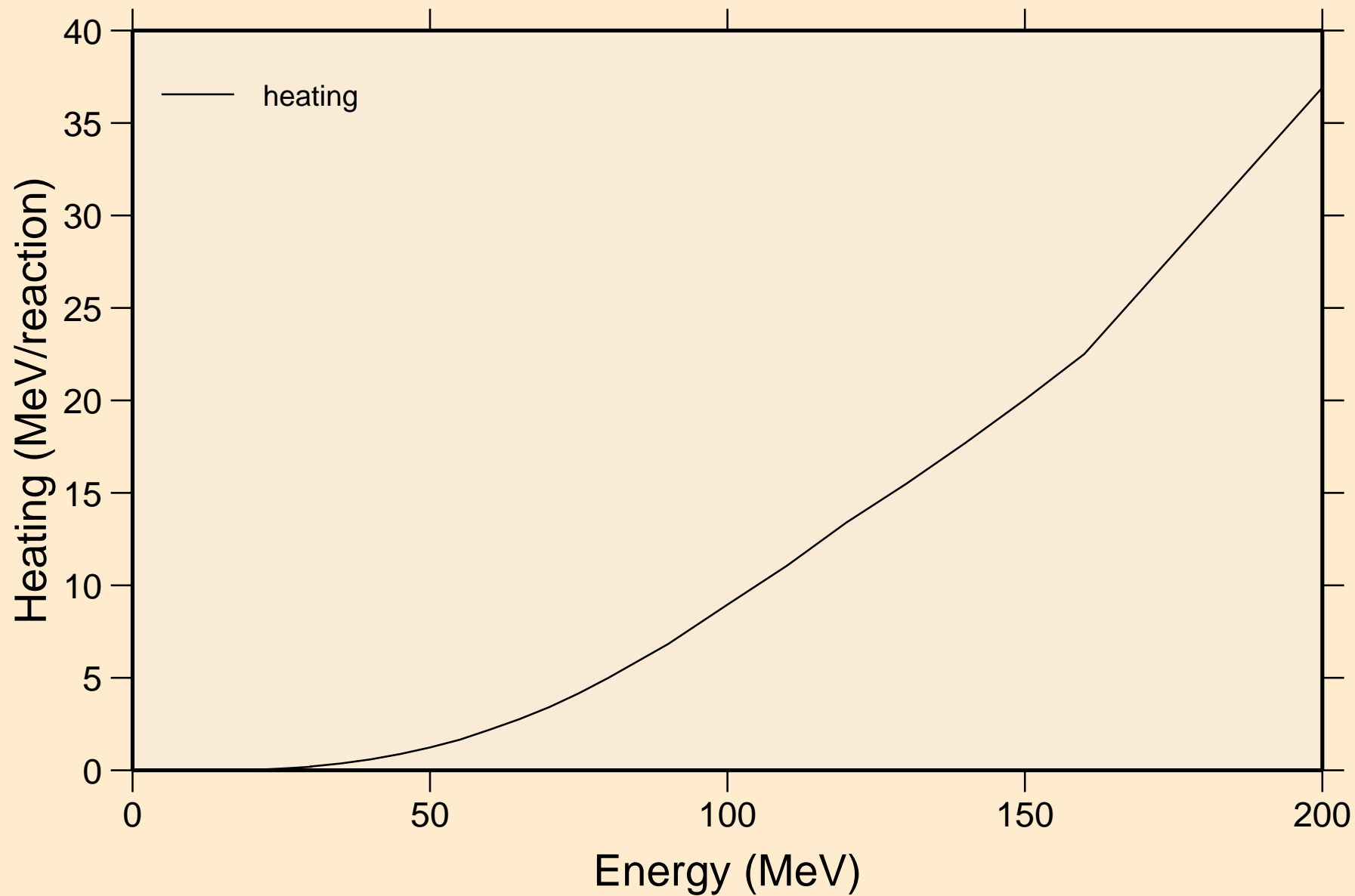
# ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

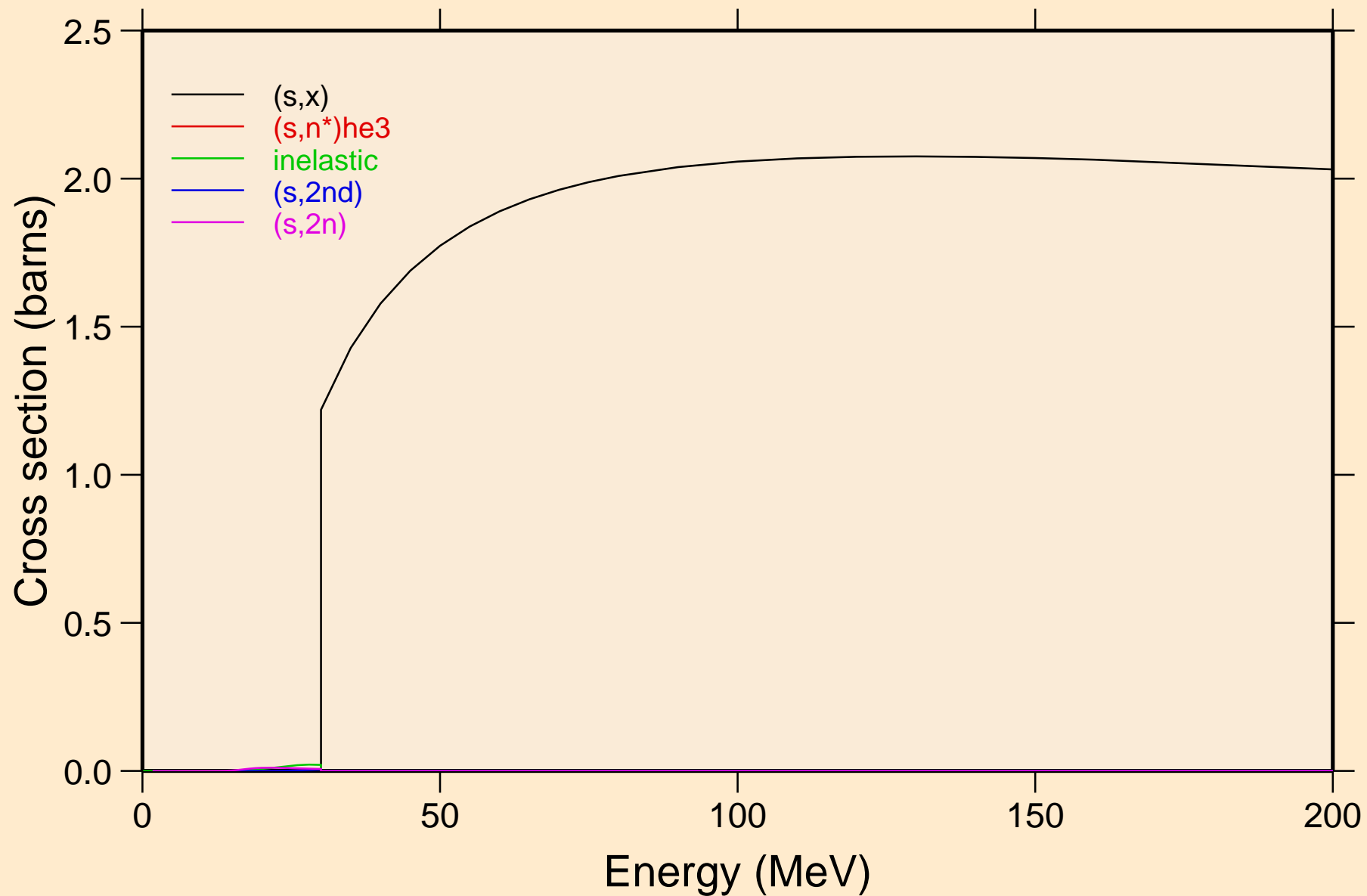


# ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K

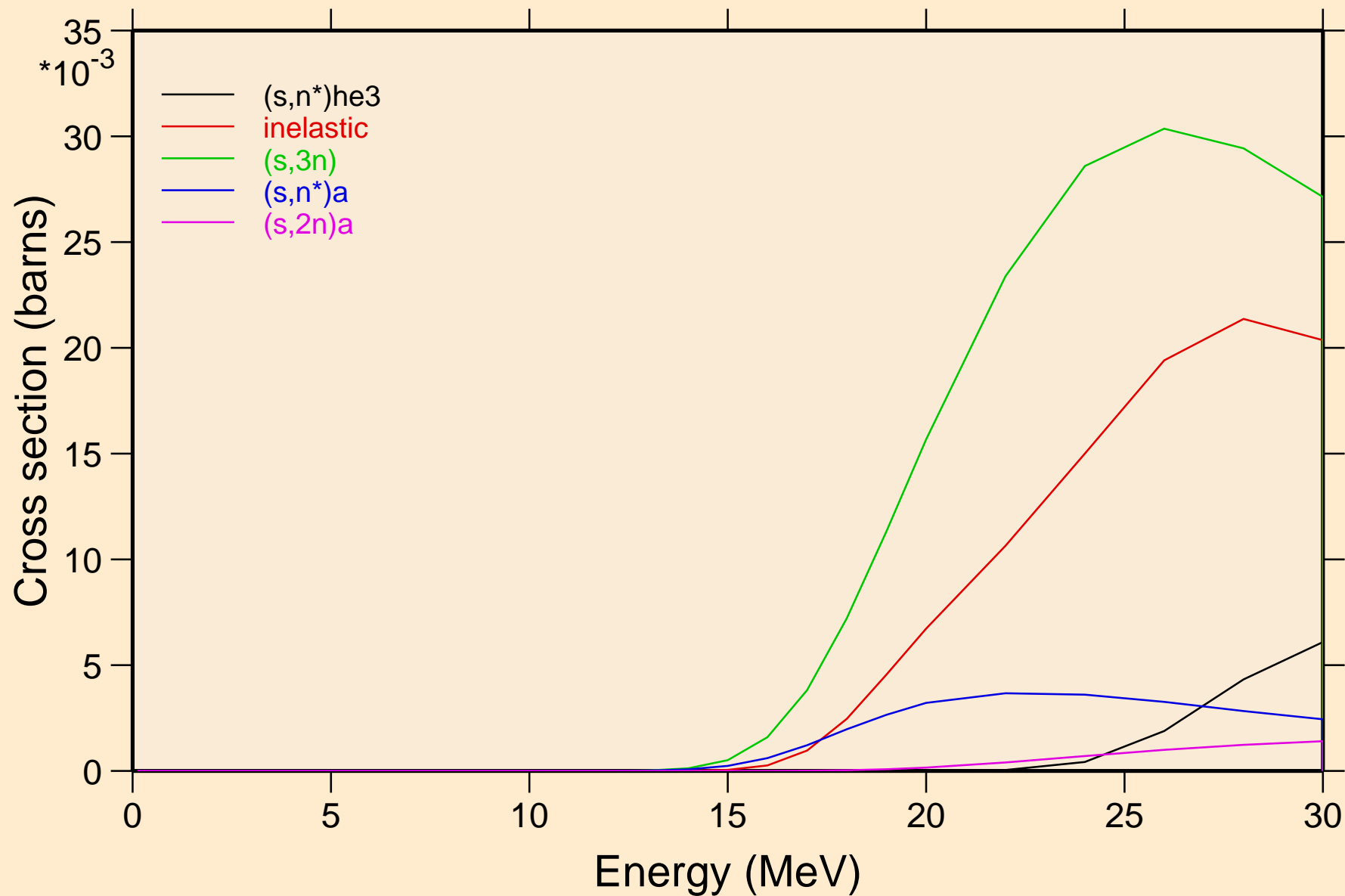
## Heating



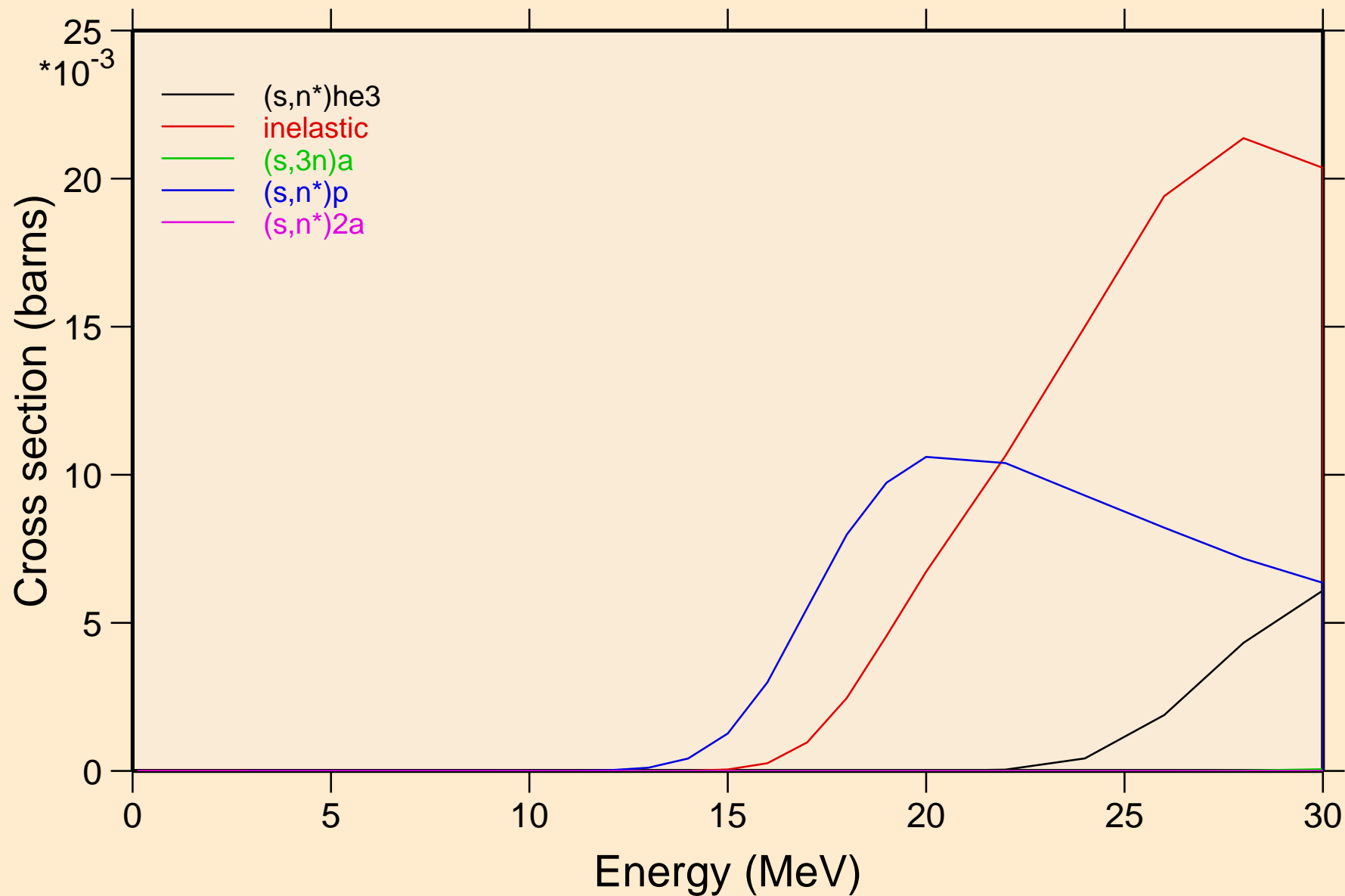
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



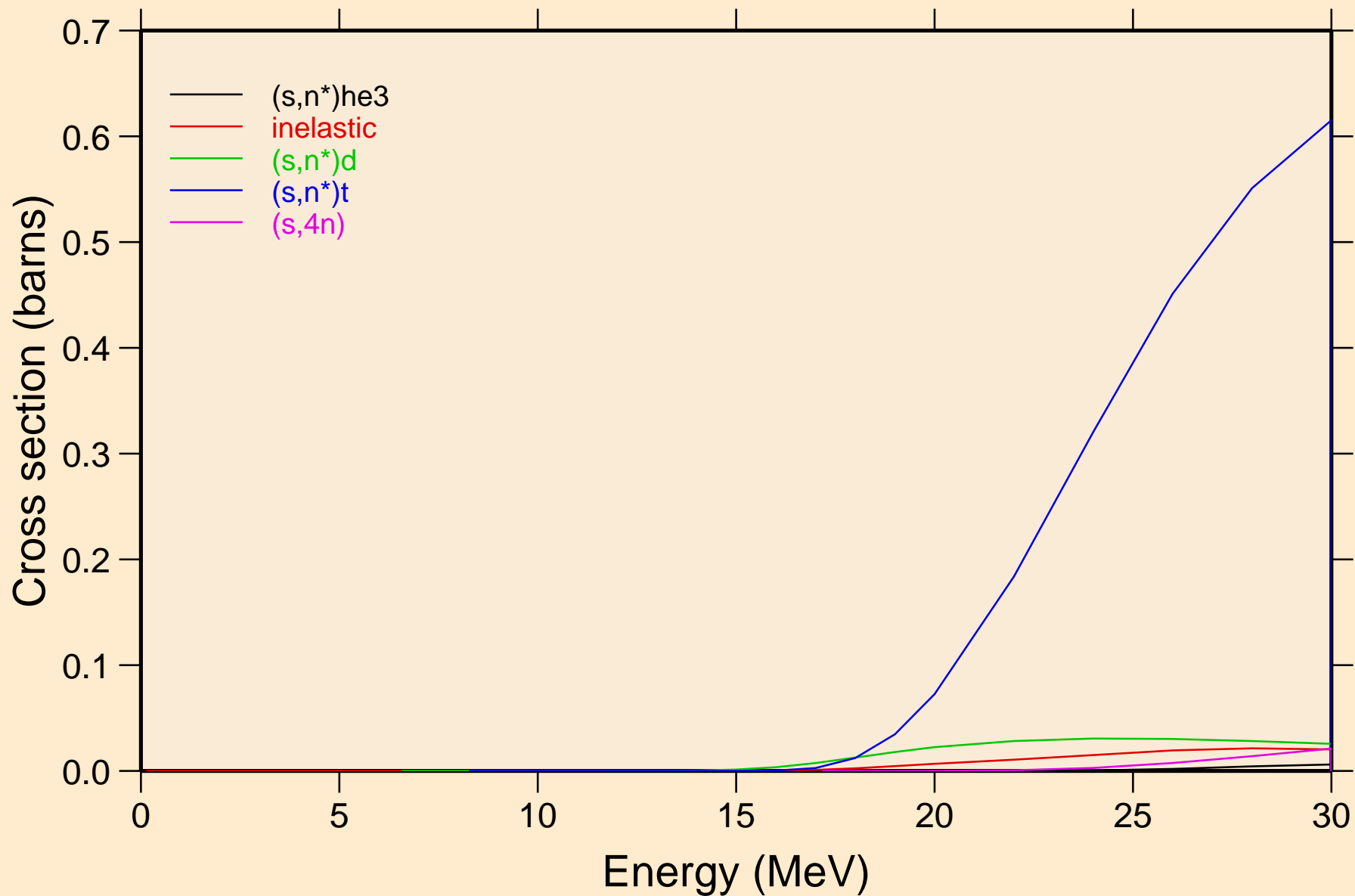
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

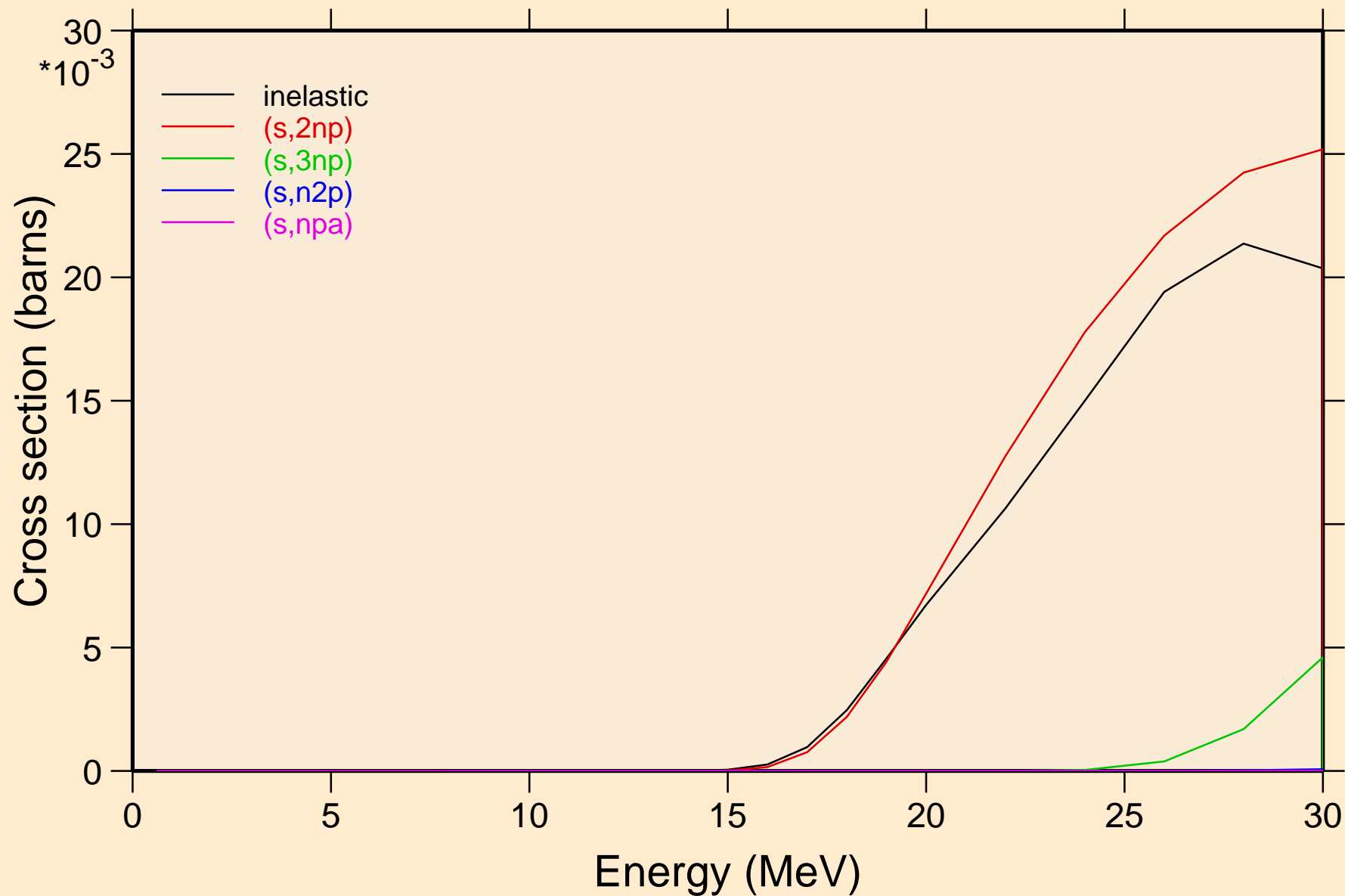


ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

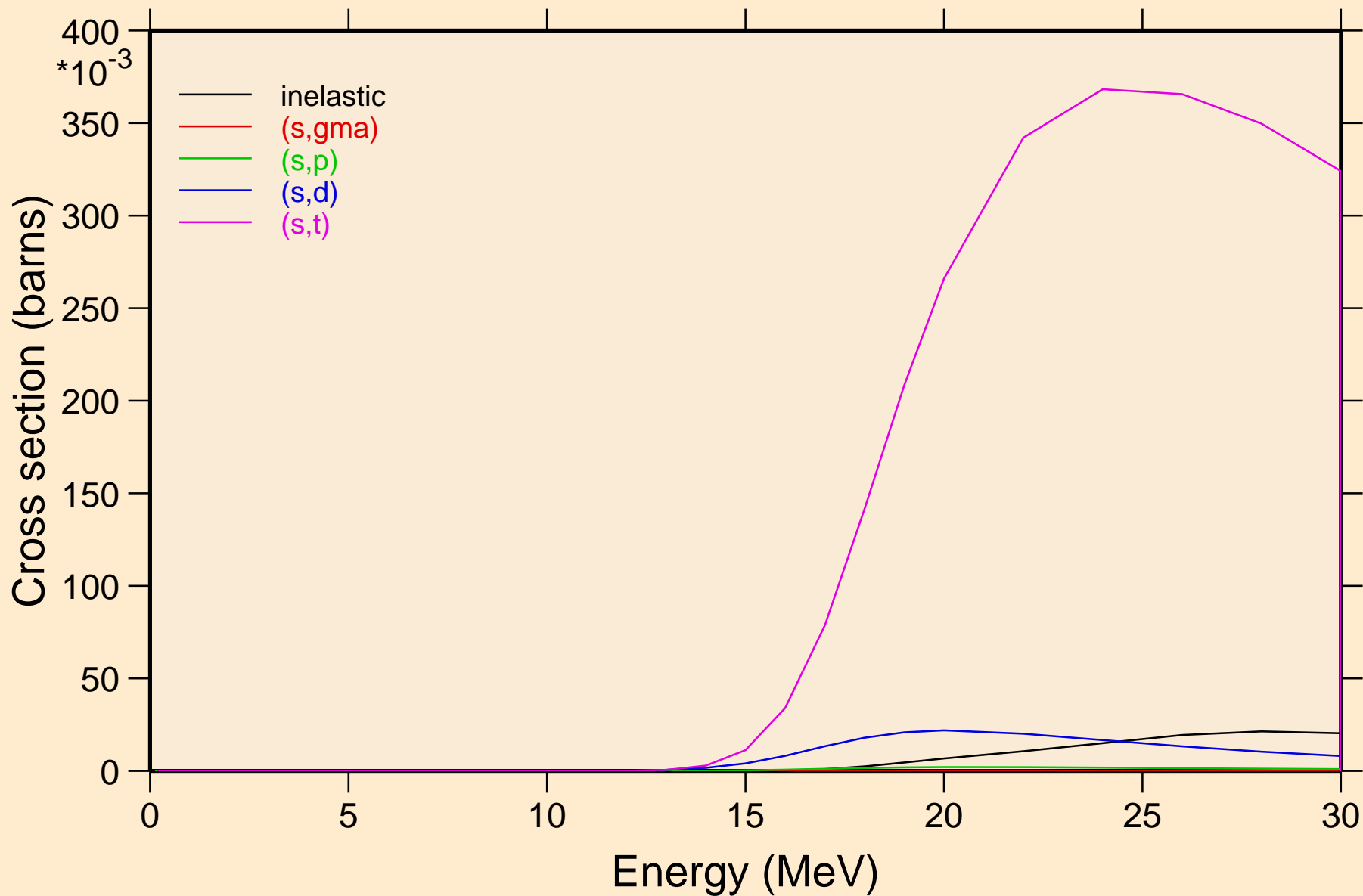




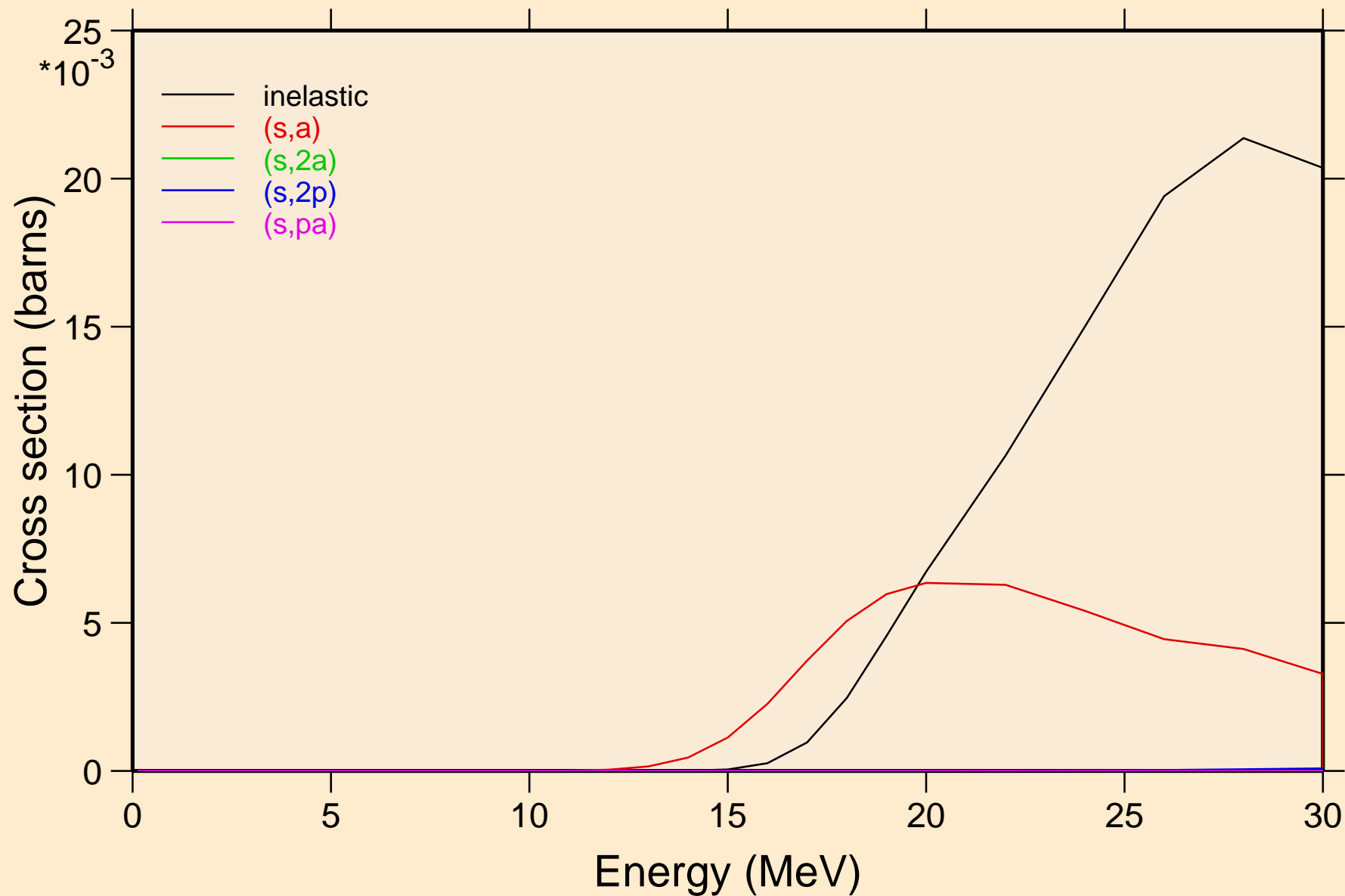
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



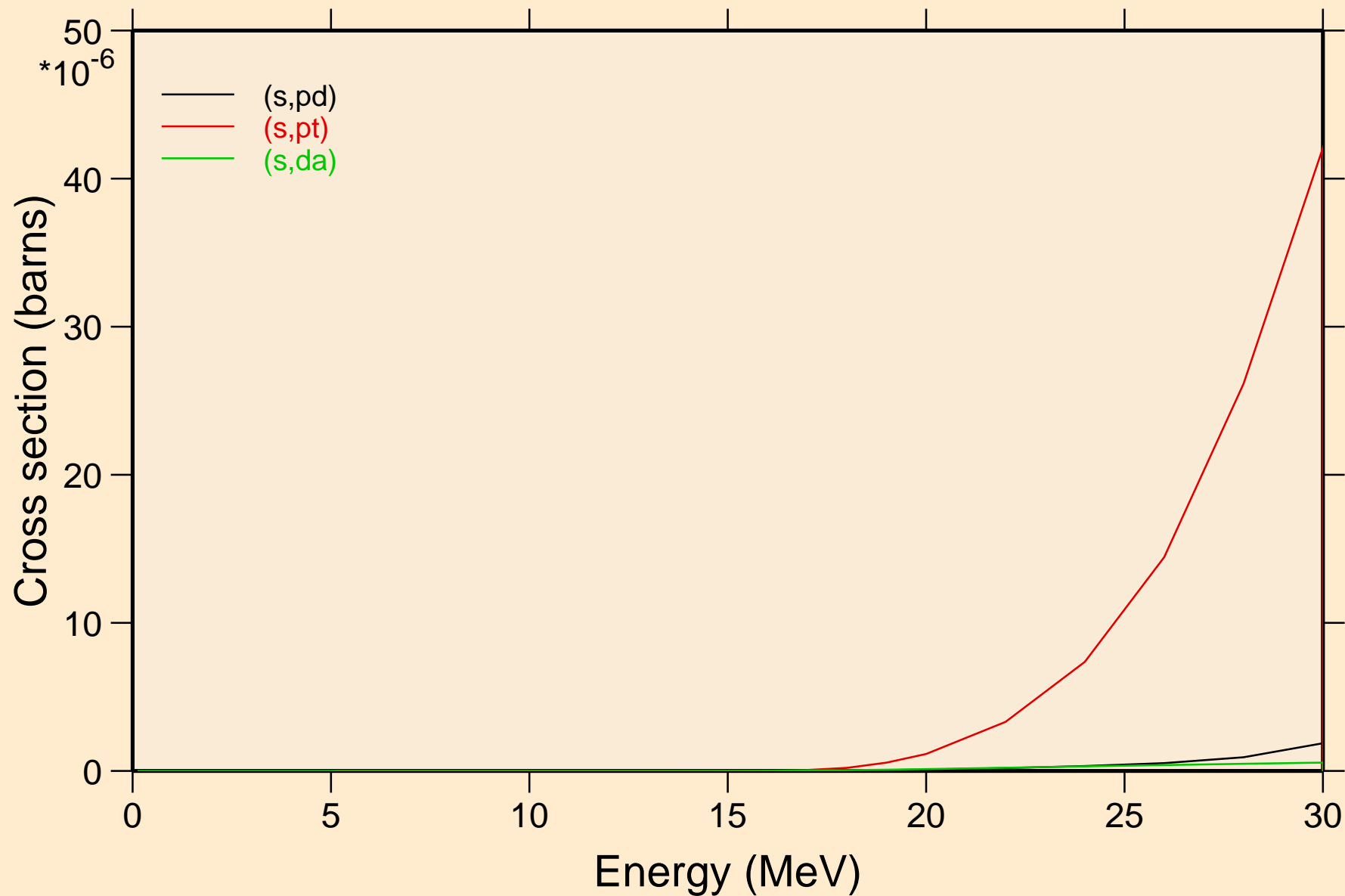
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



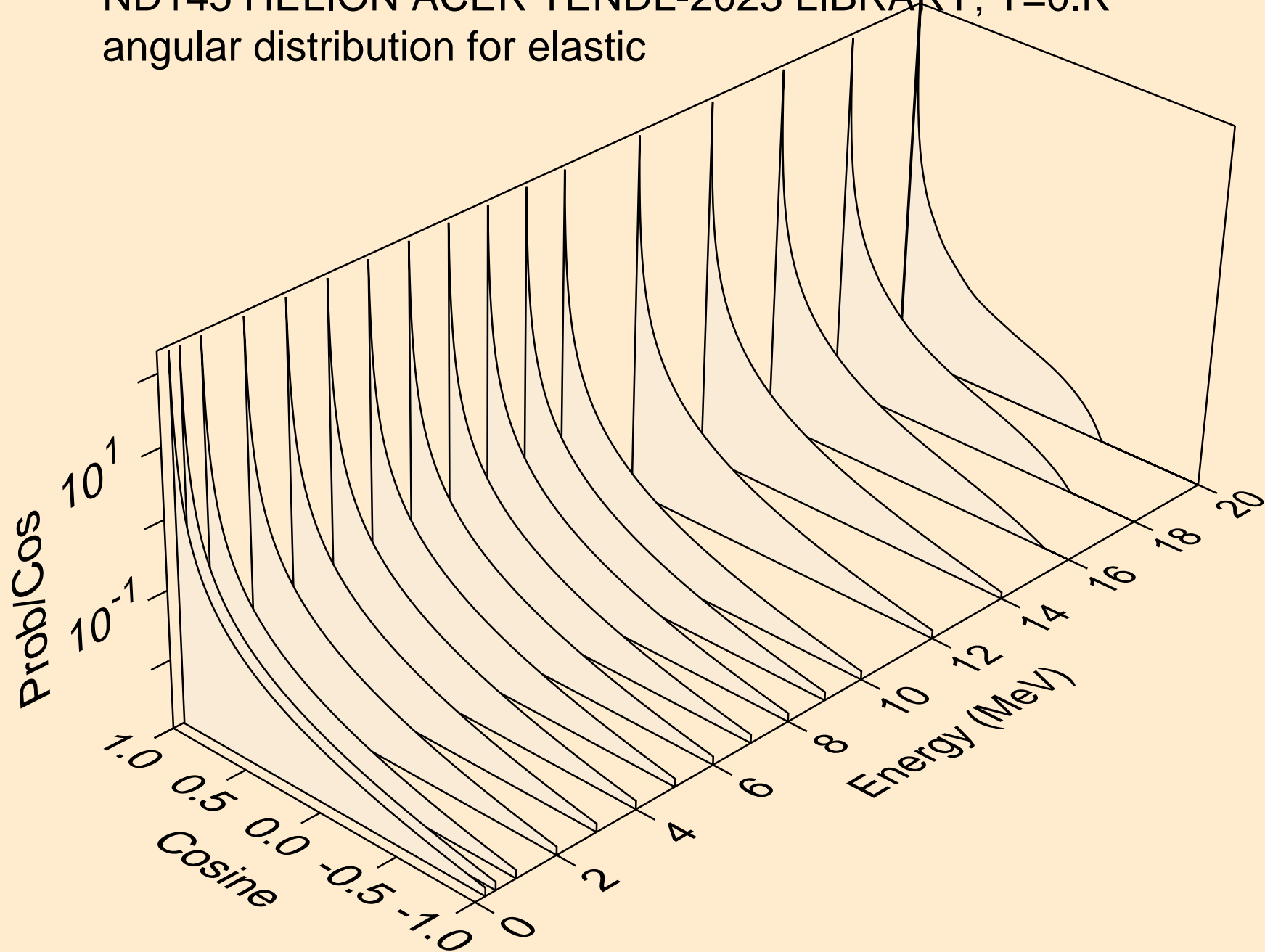
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



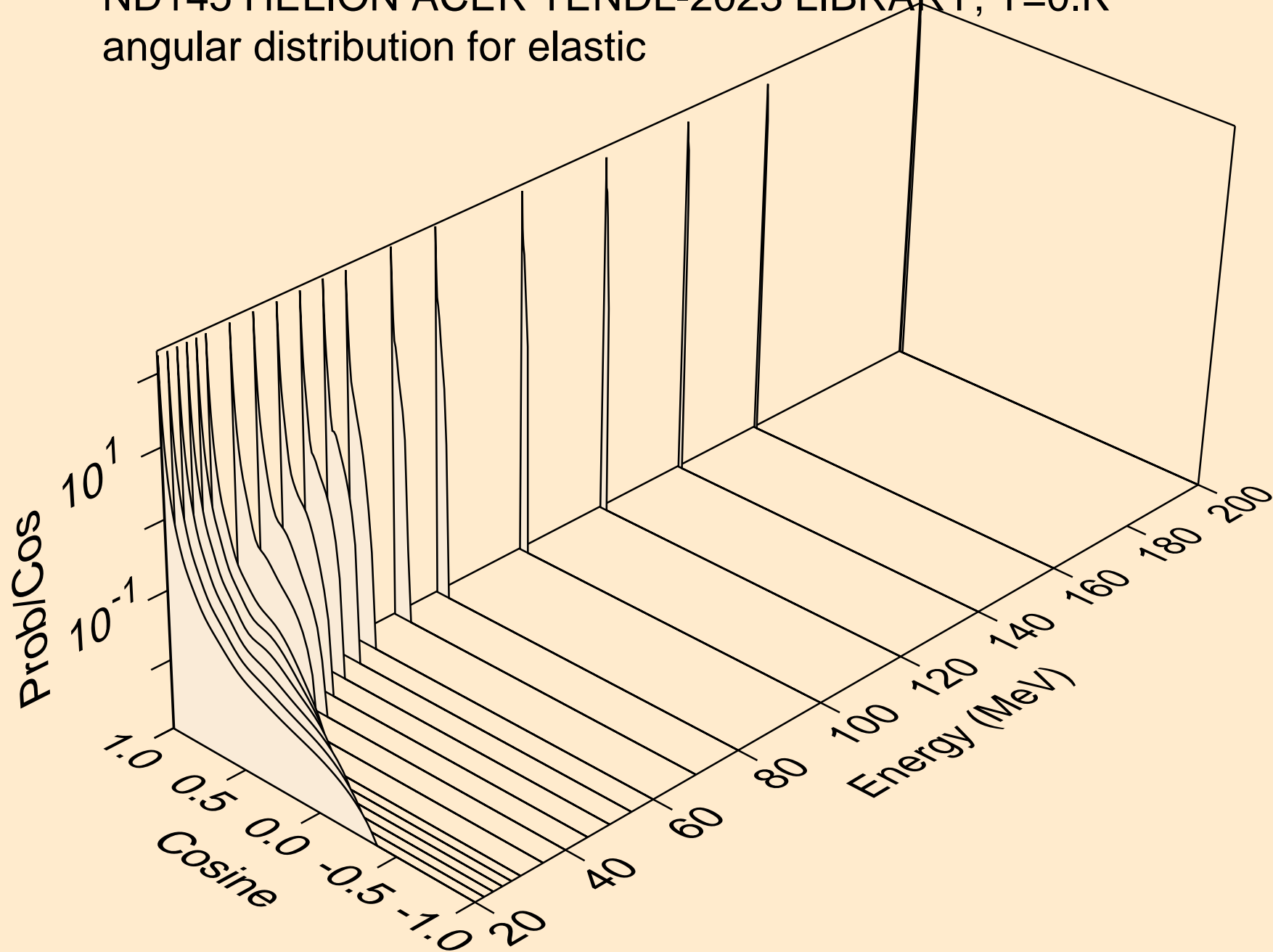
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



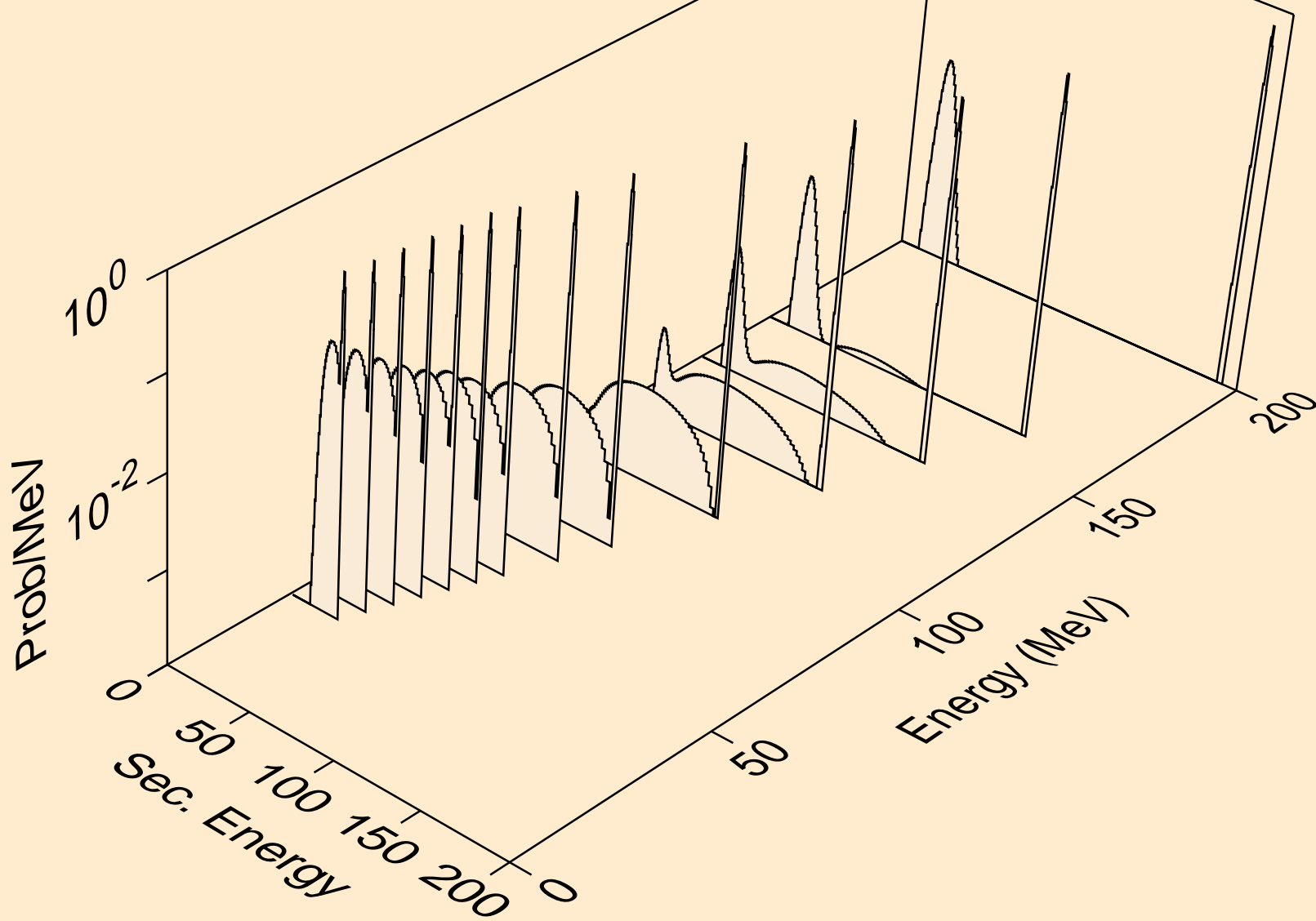
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



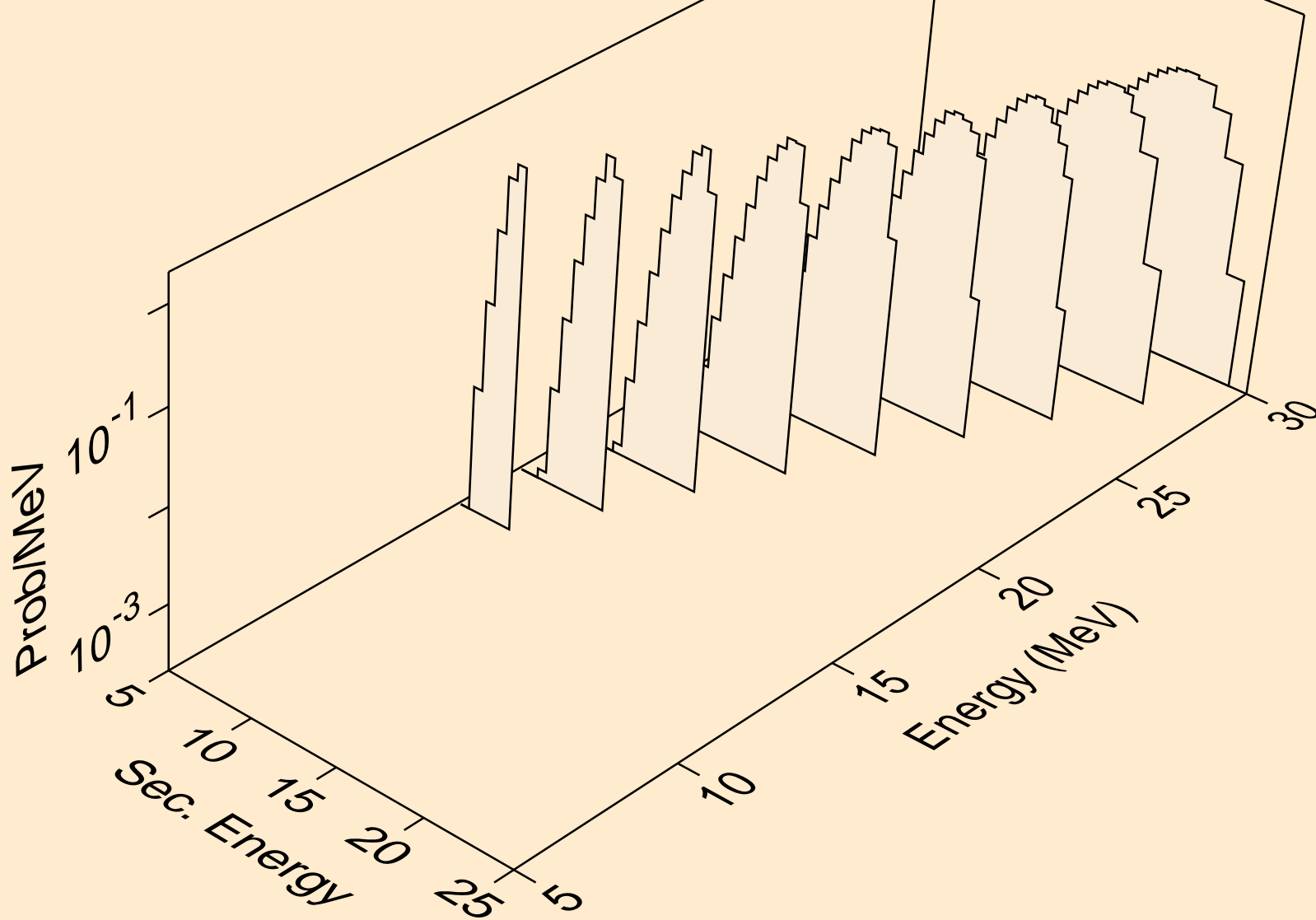
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)

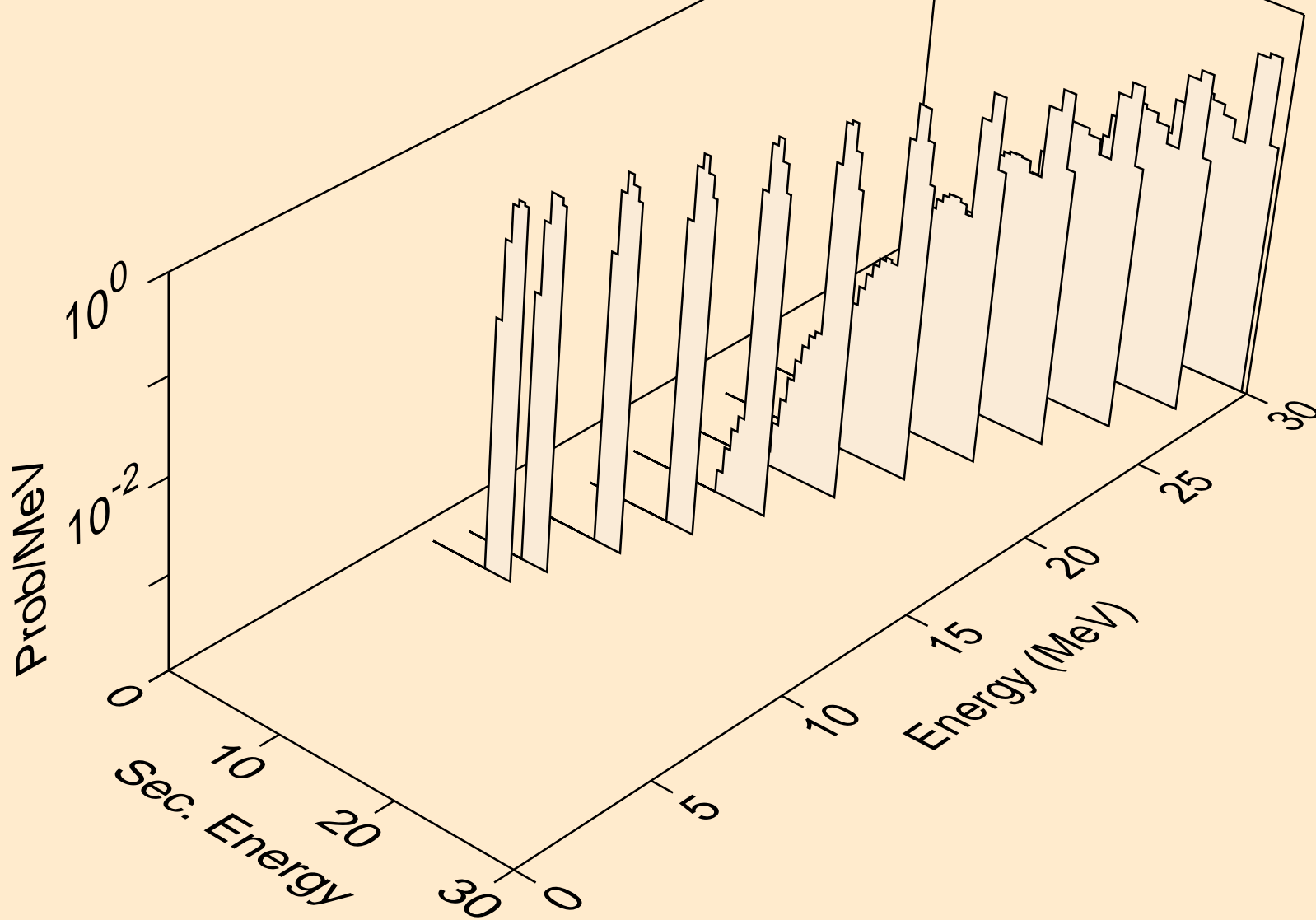


ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

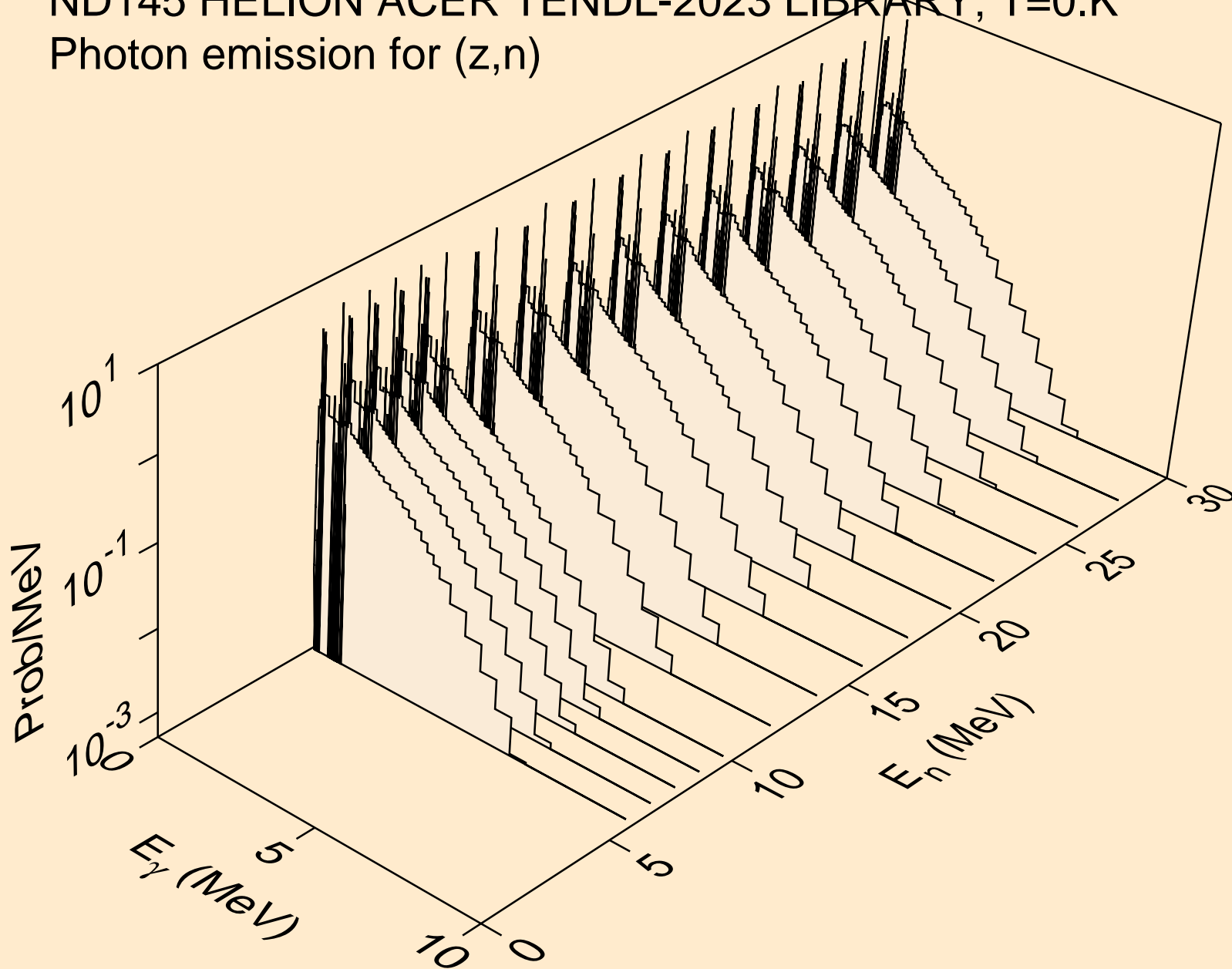




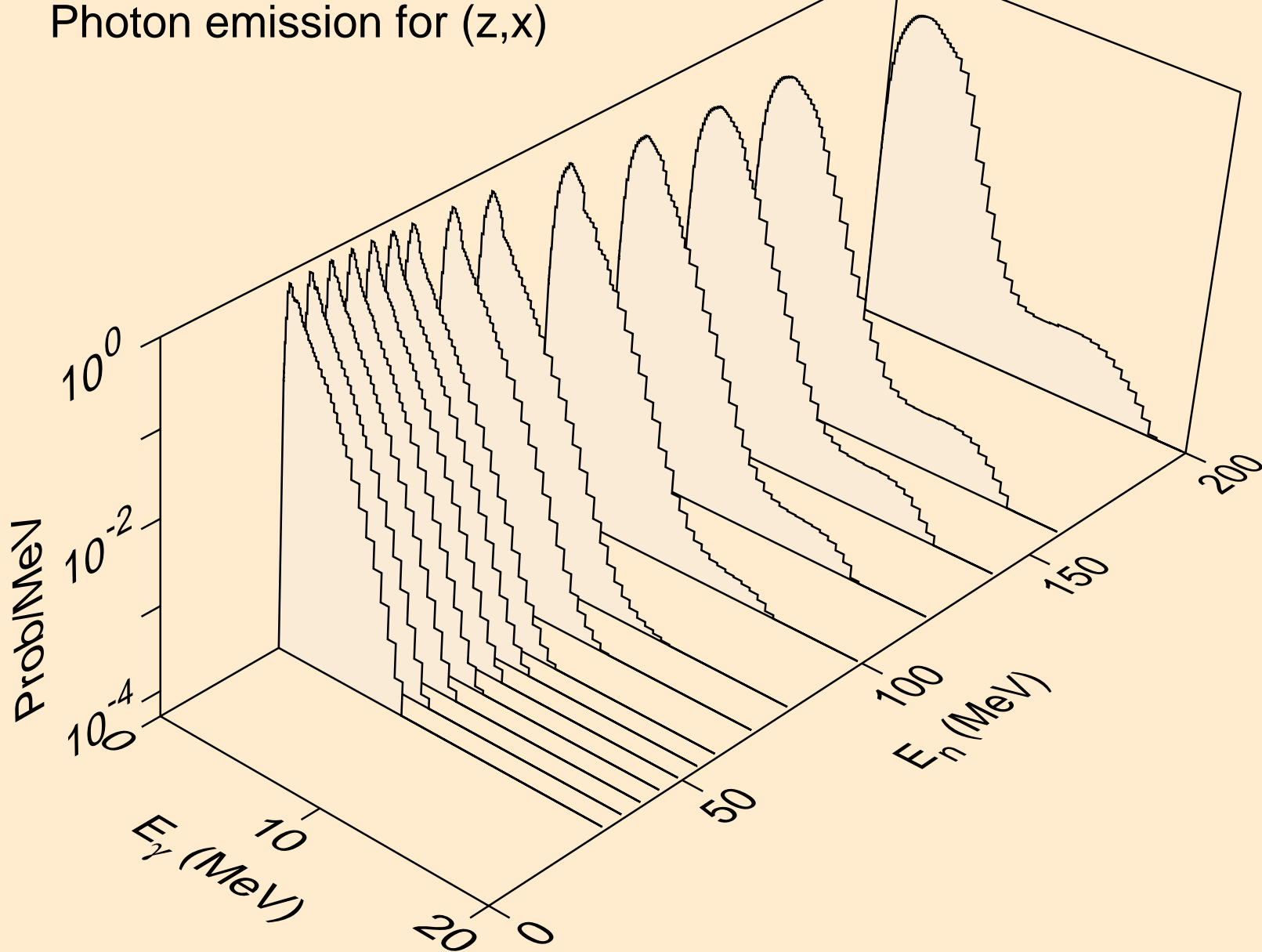
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic



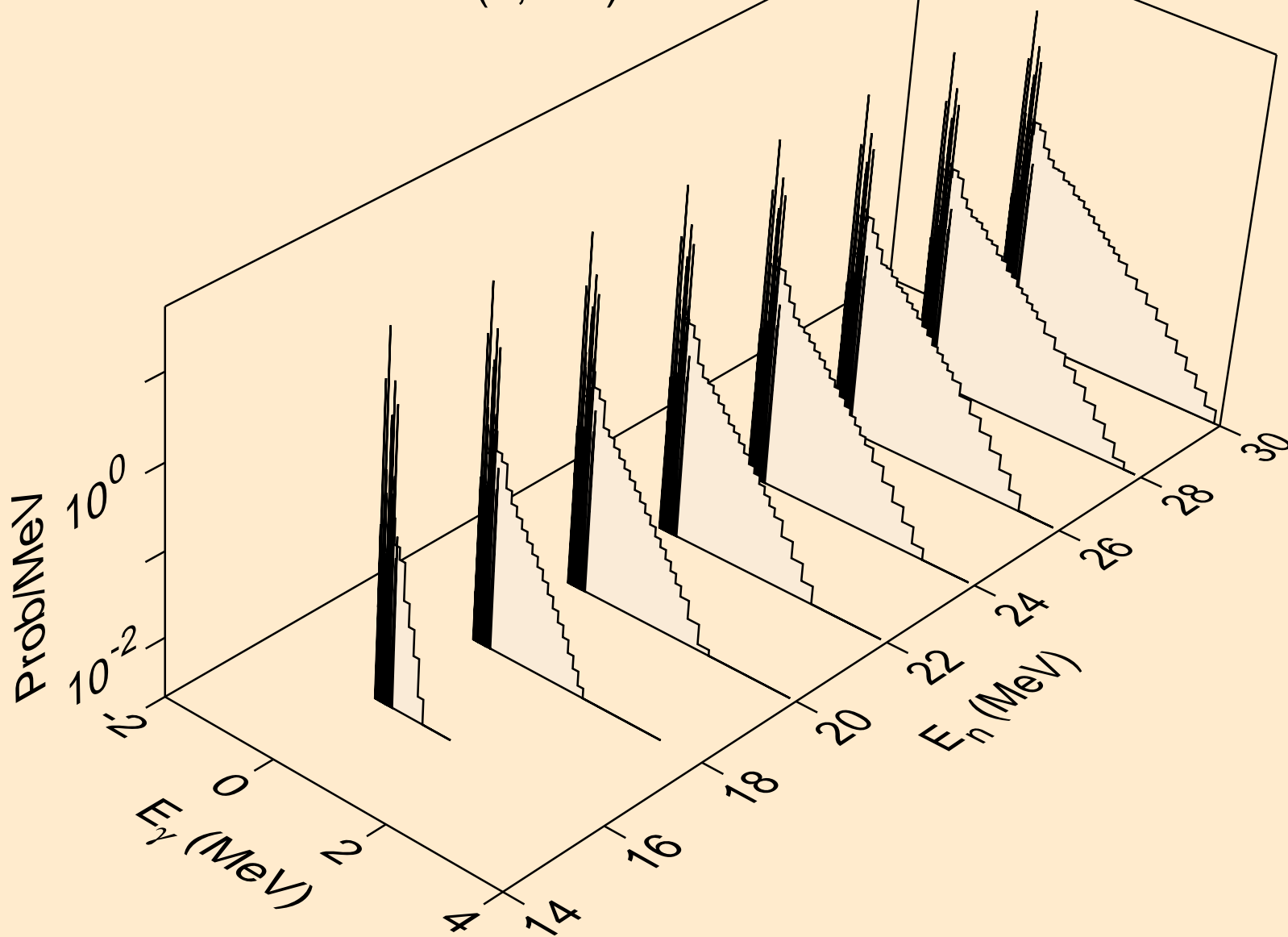
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



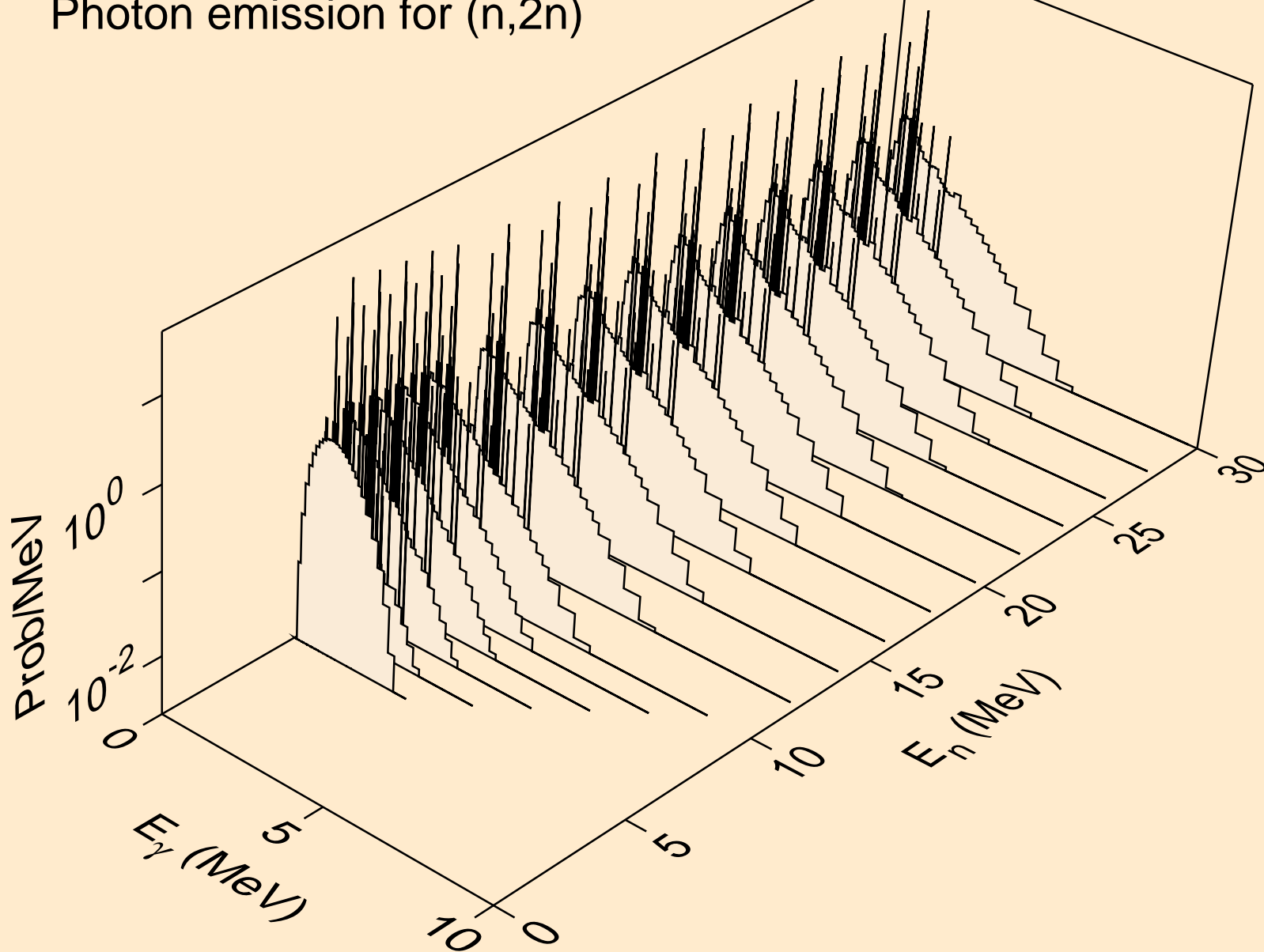
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



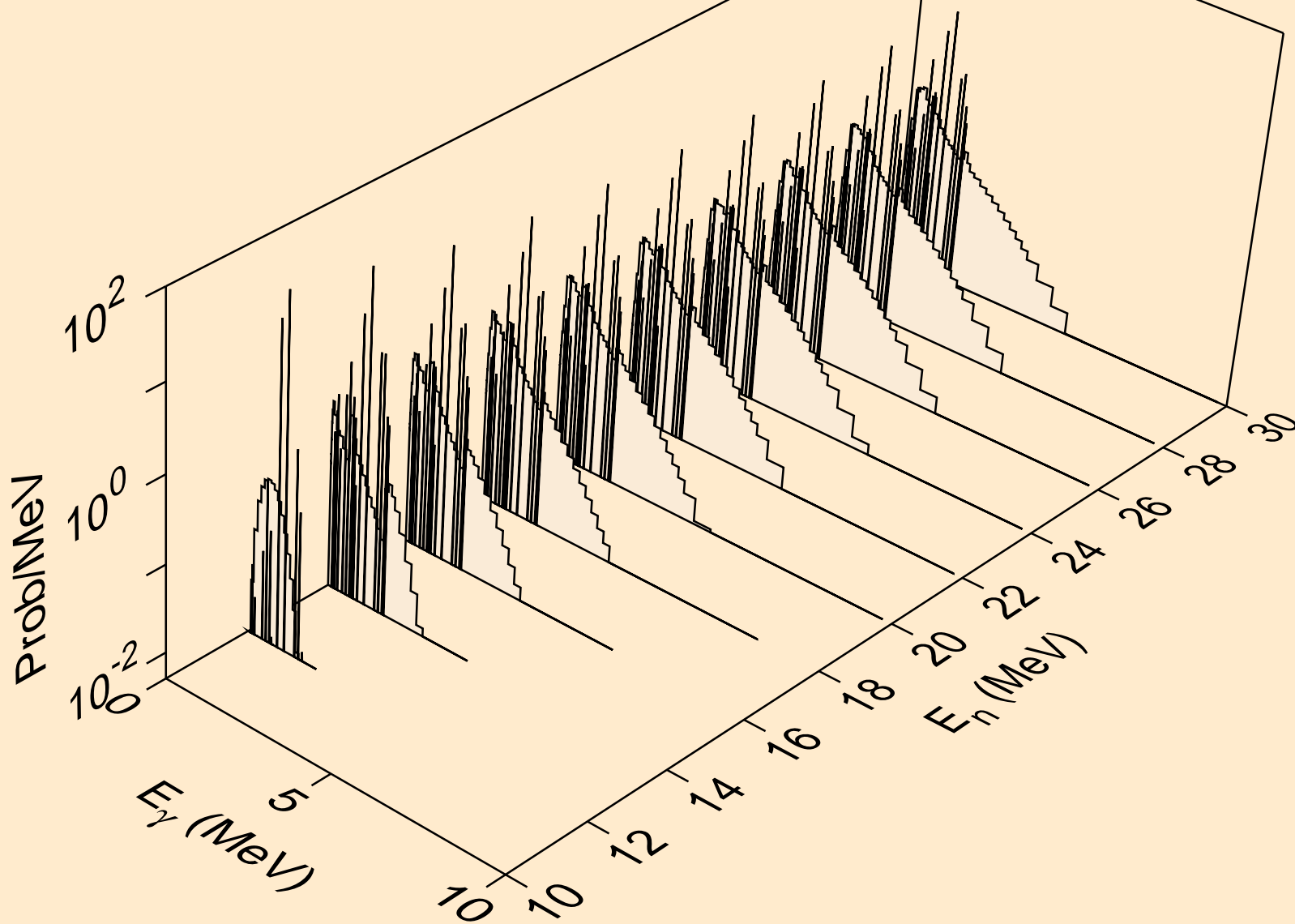
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



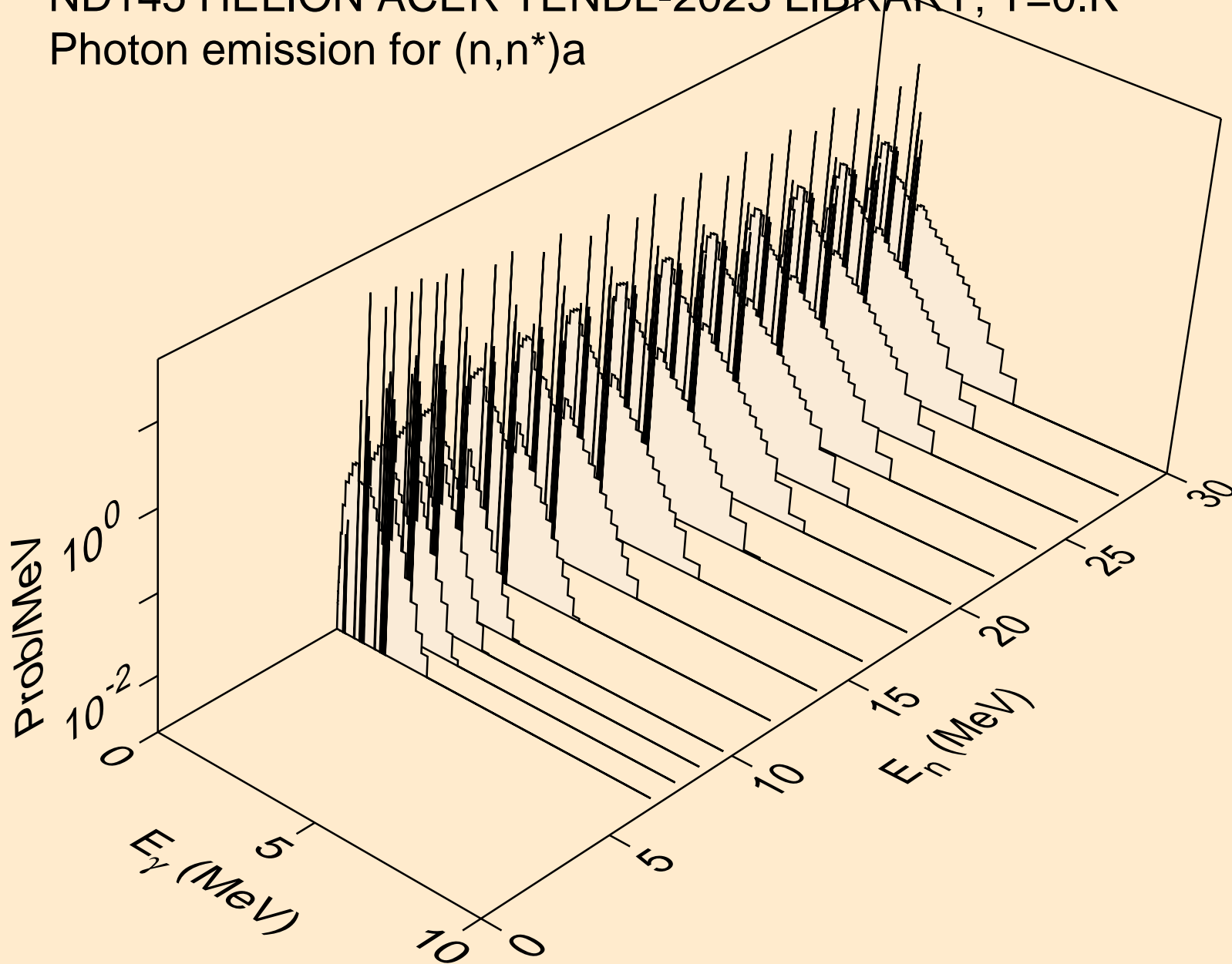
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



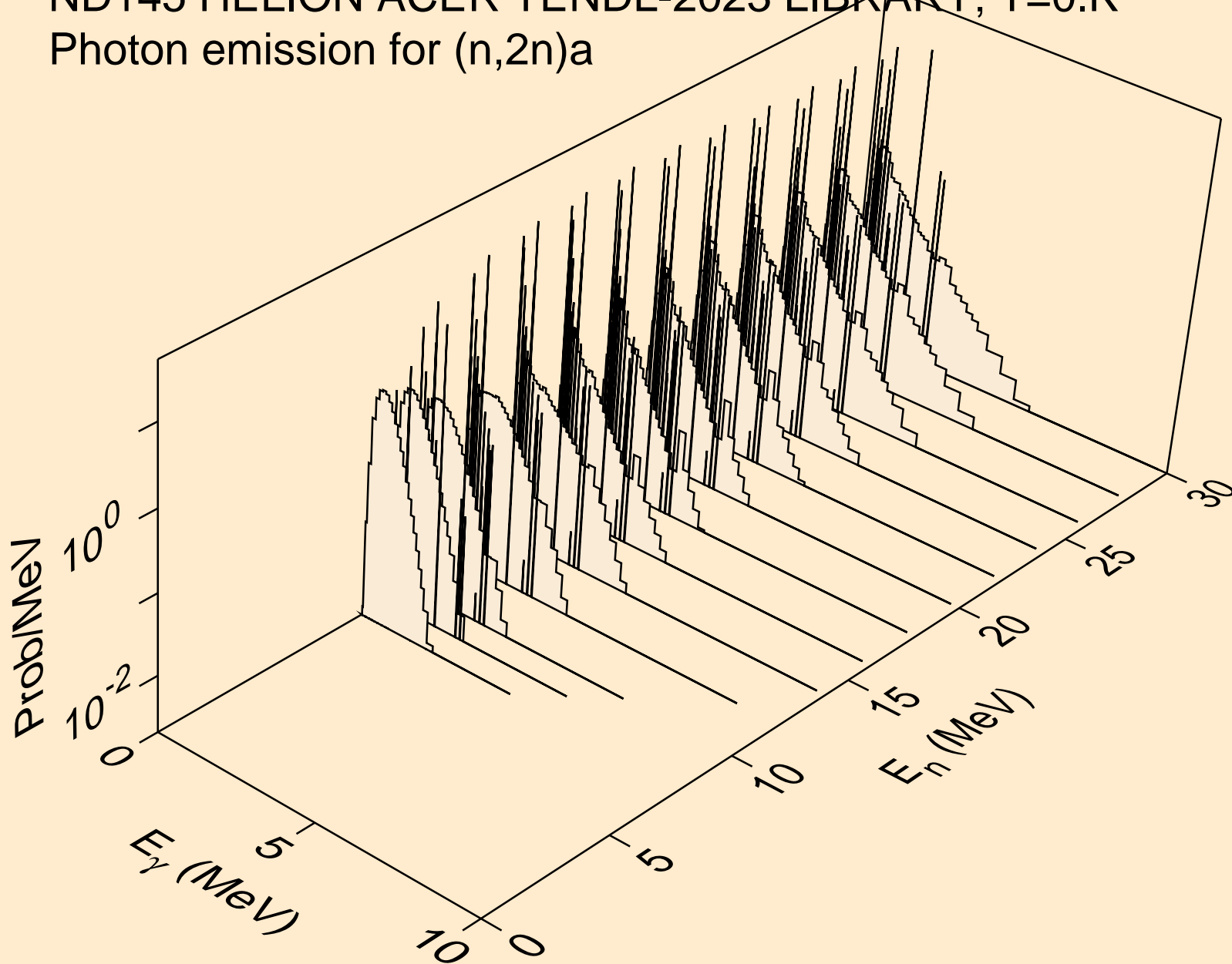
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

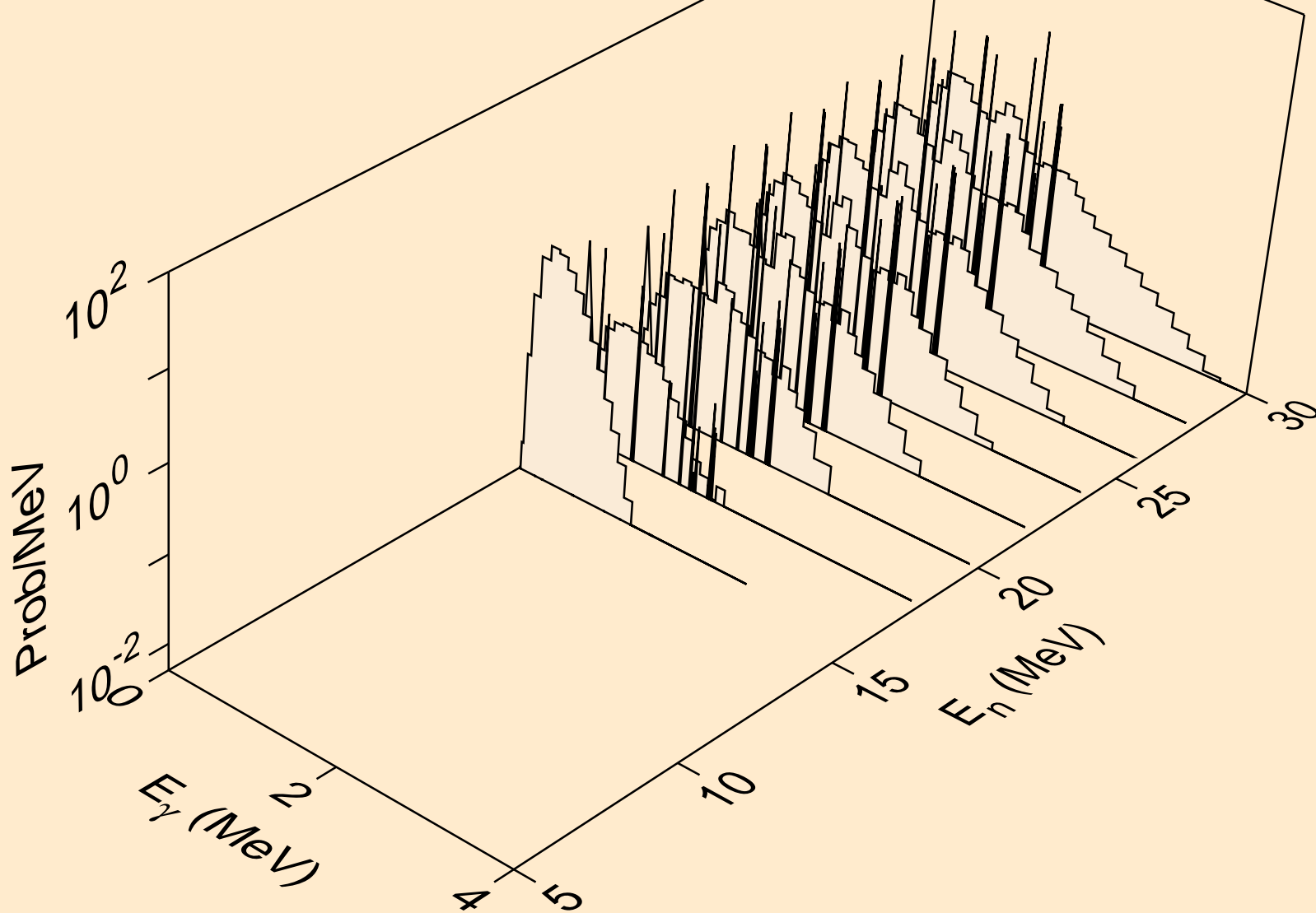


ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

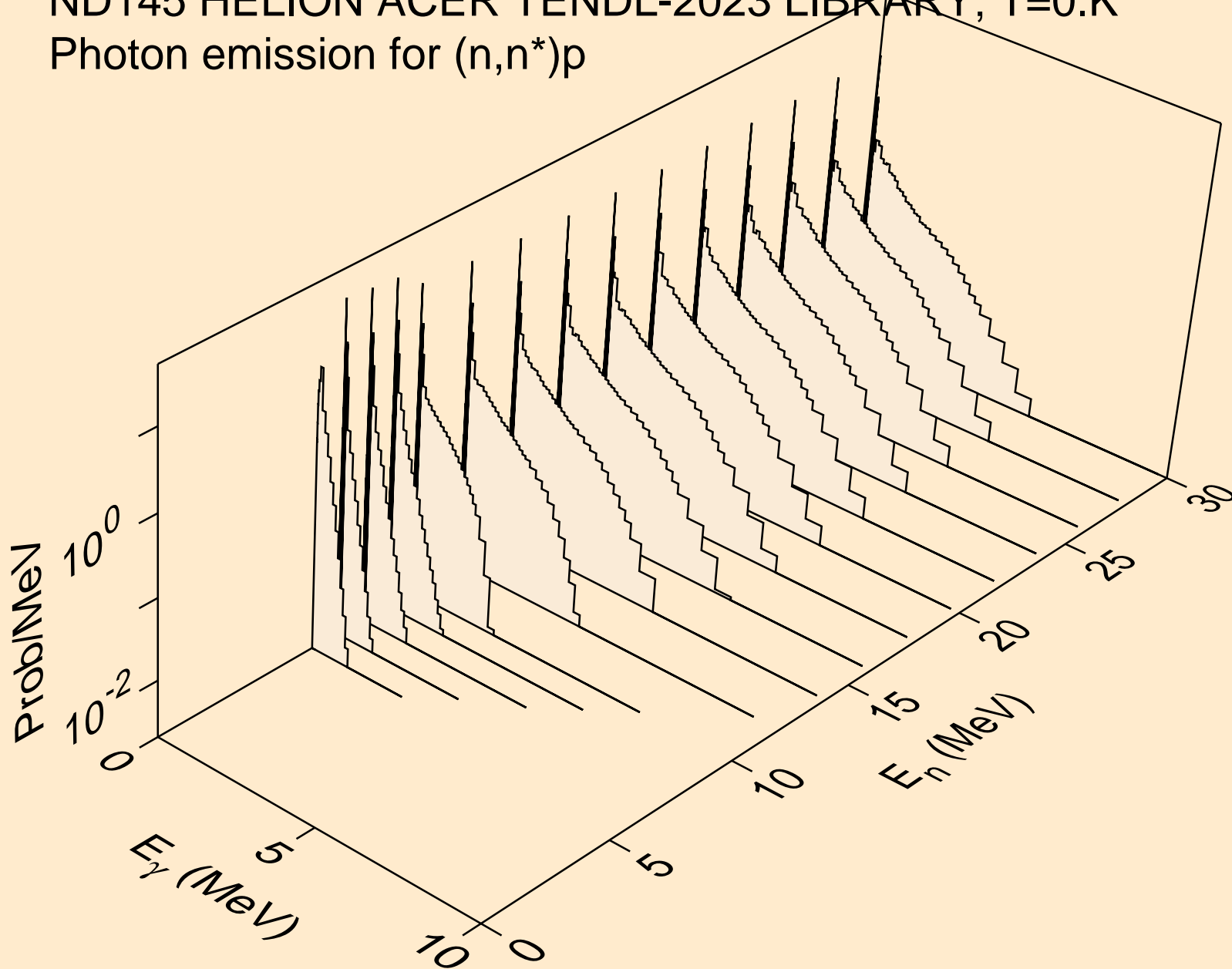




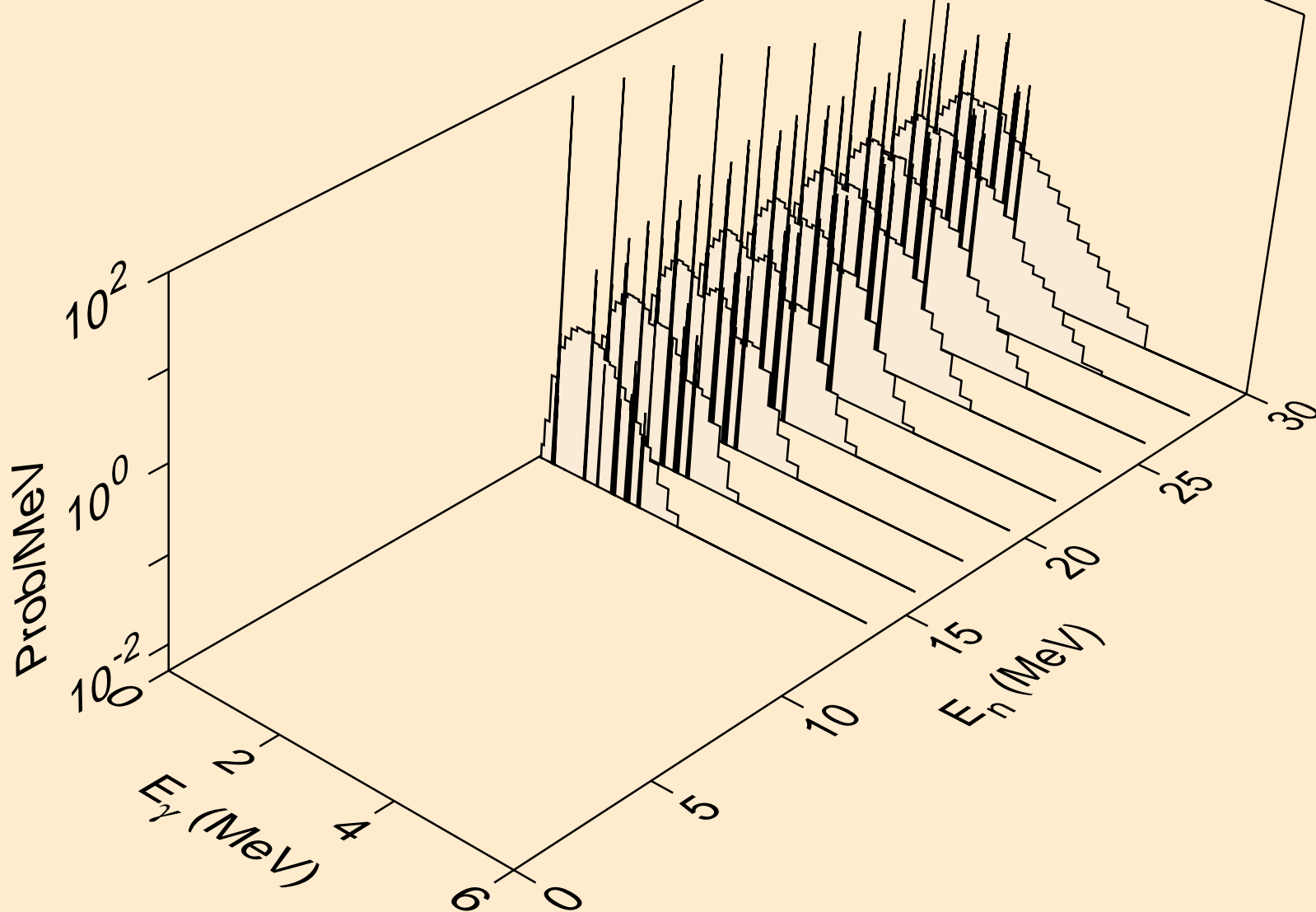
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



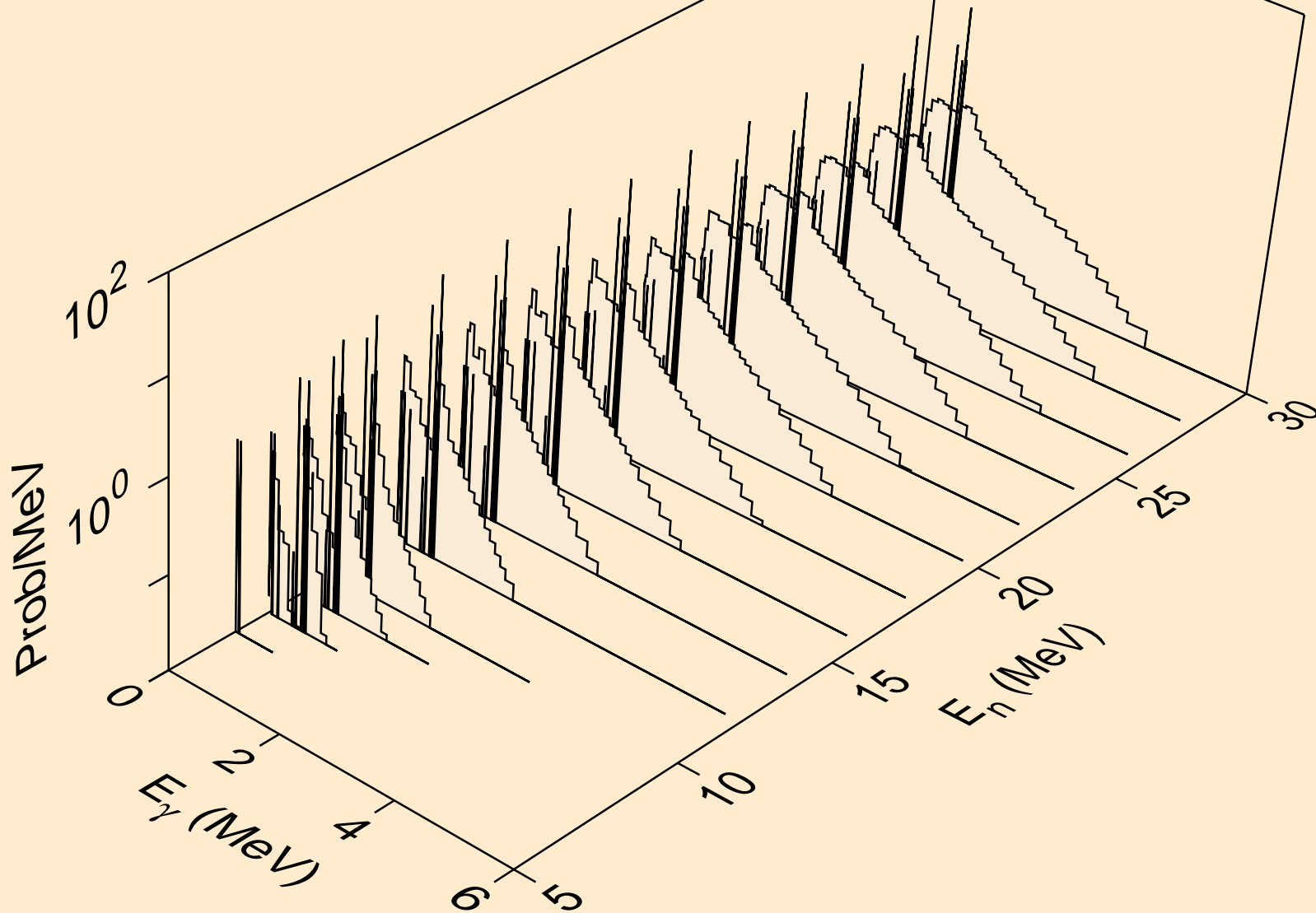
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



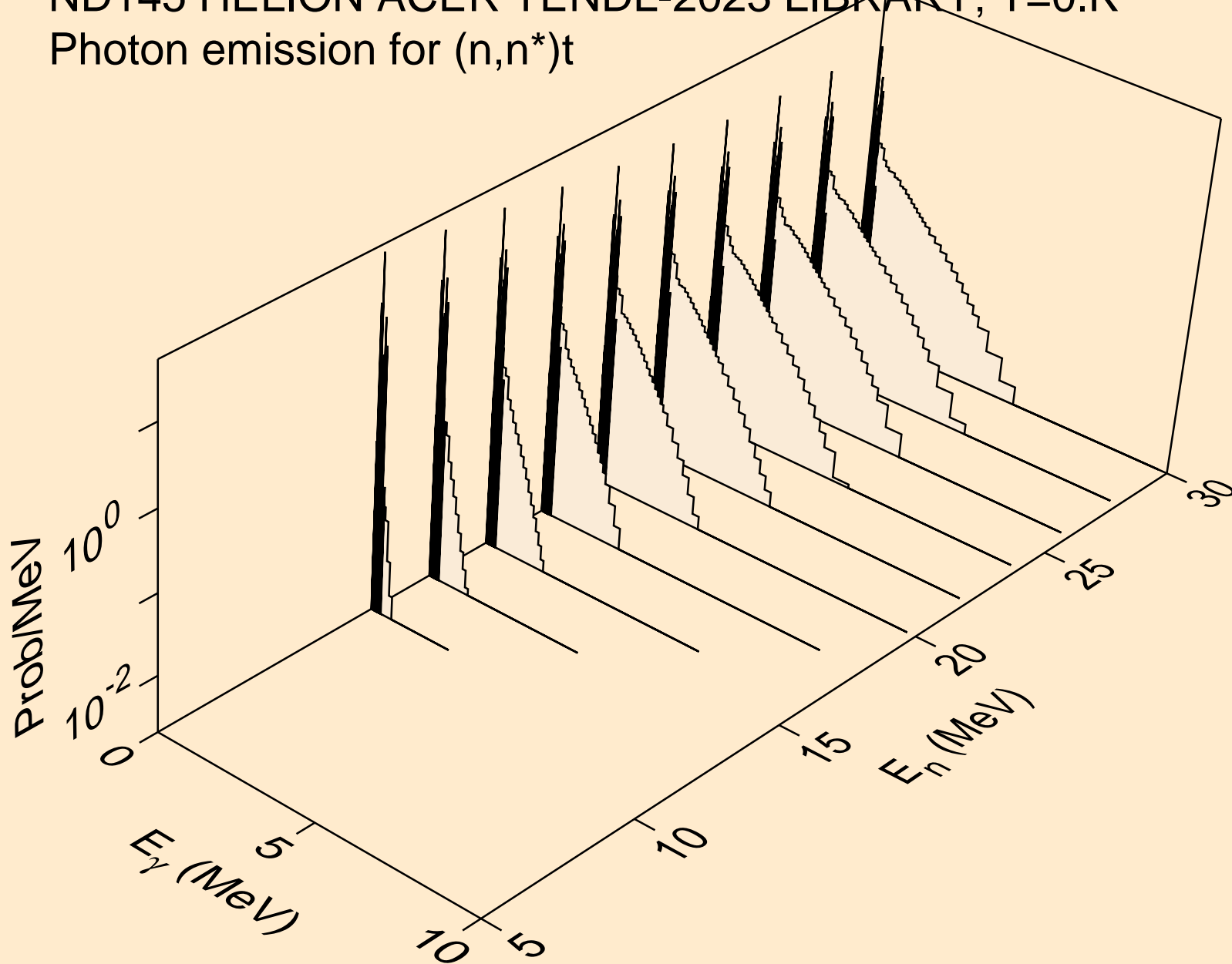
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



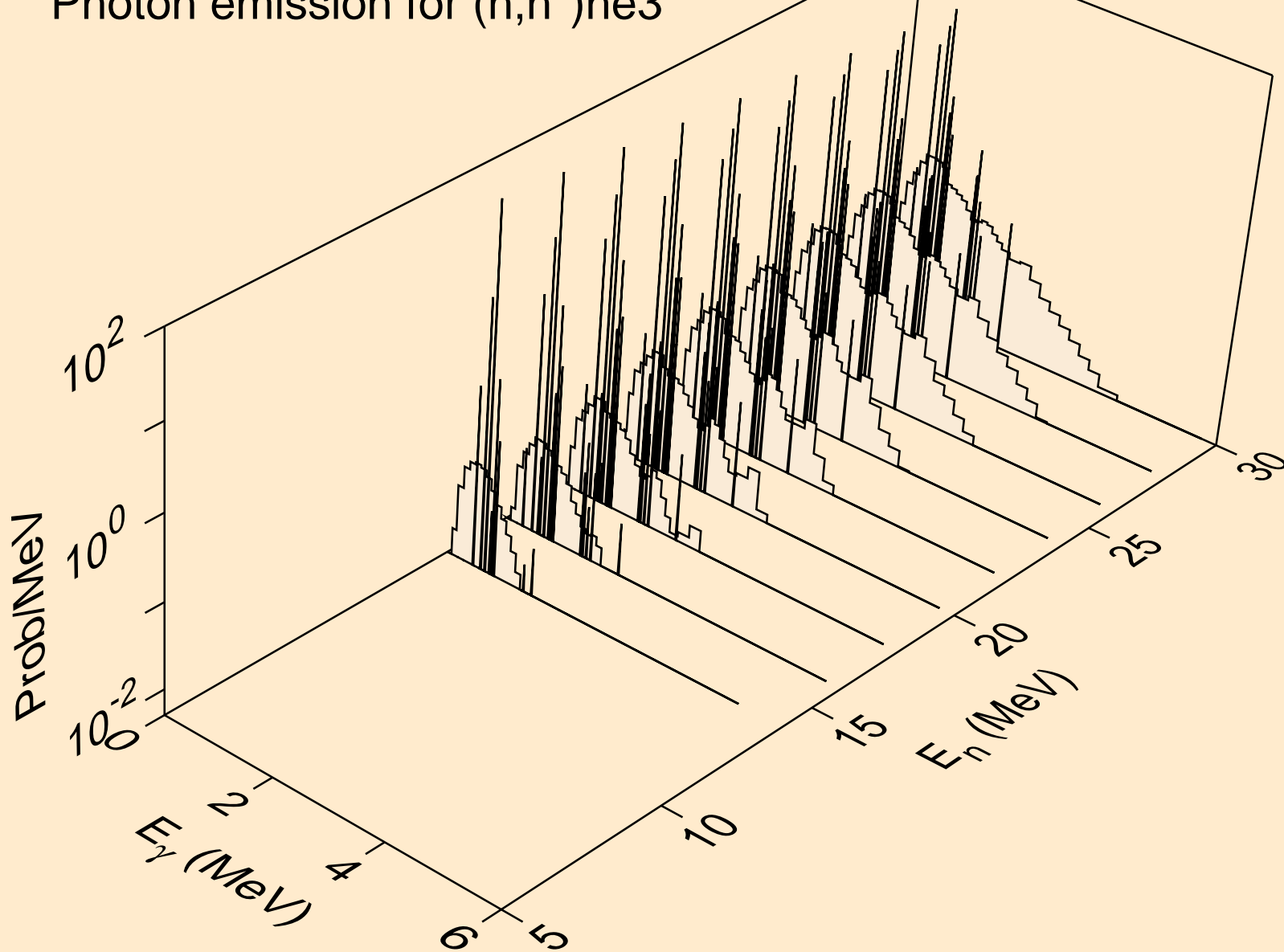
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



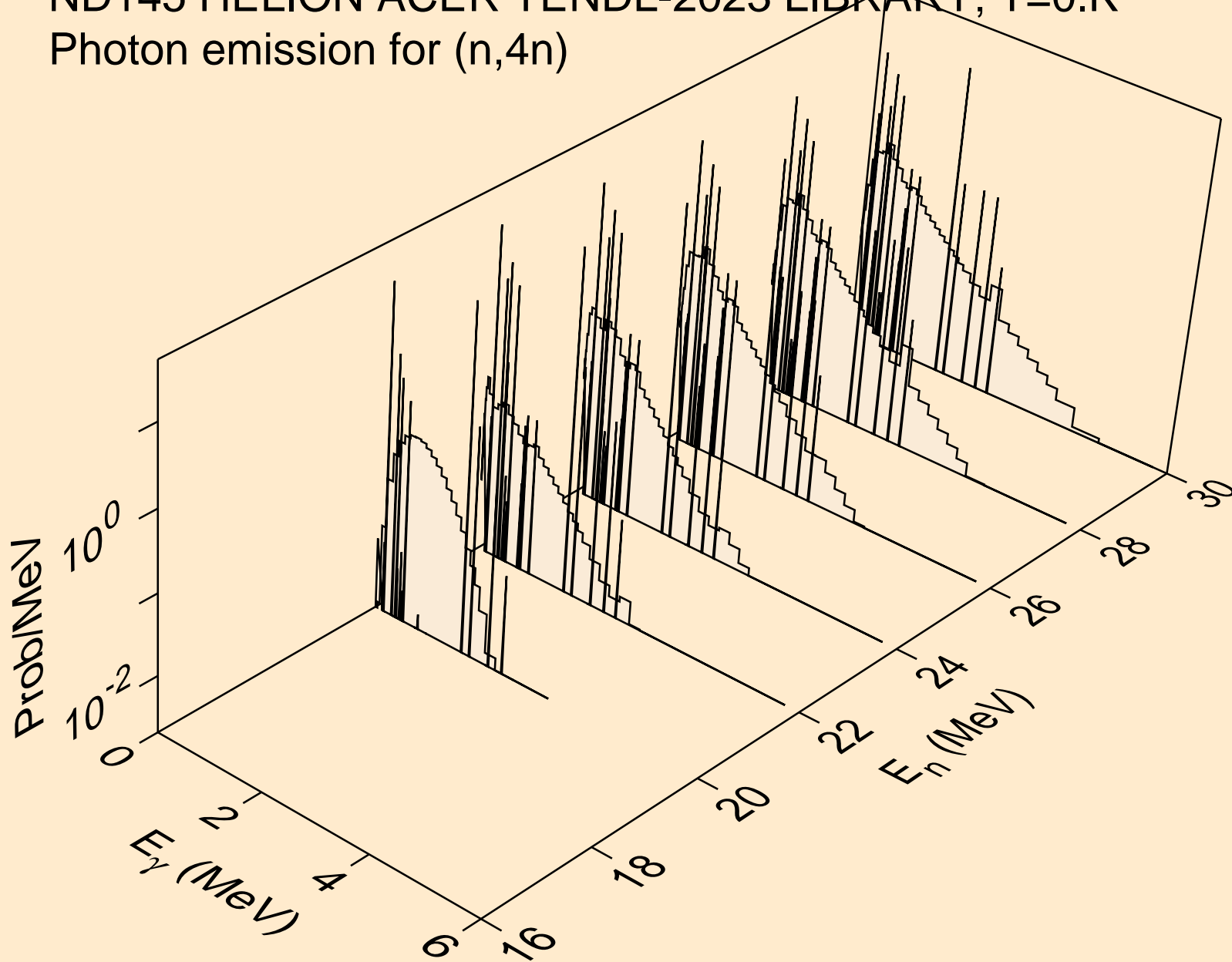
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



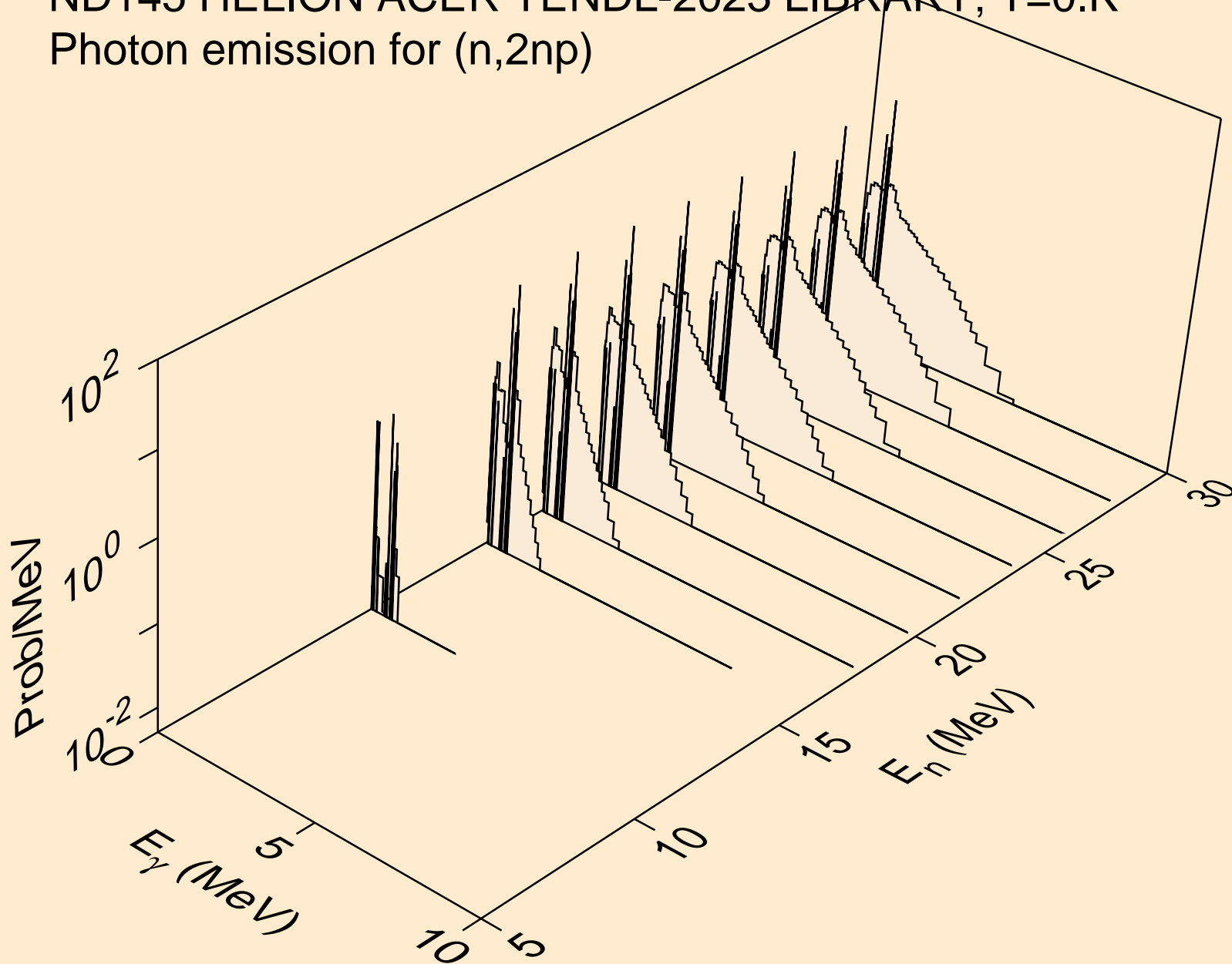
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)

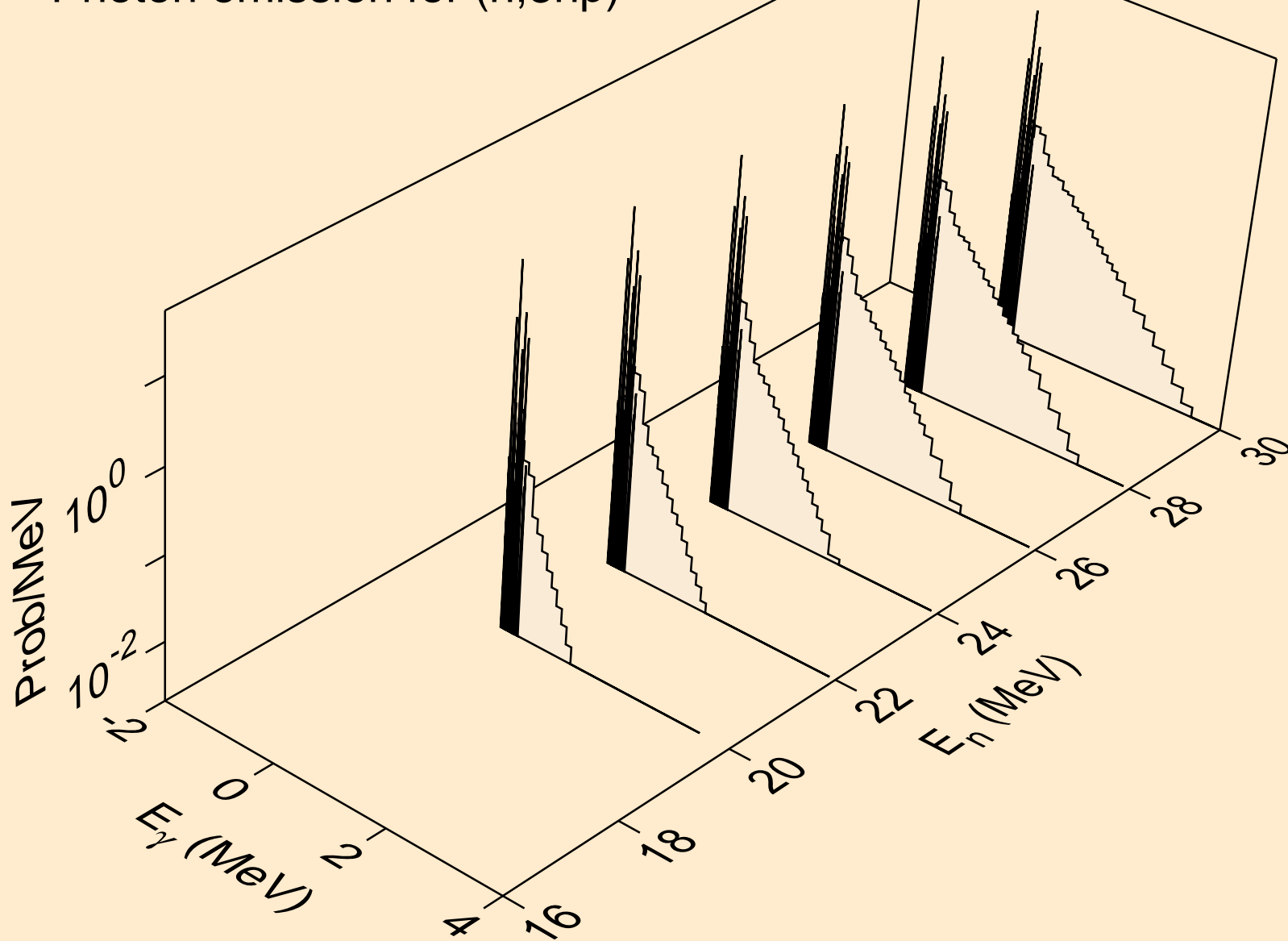


ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

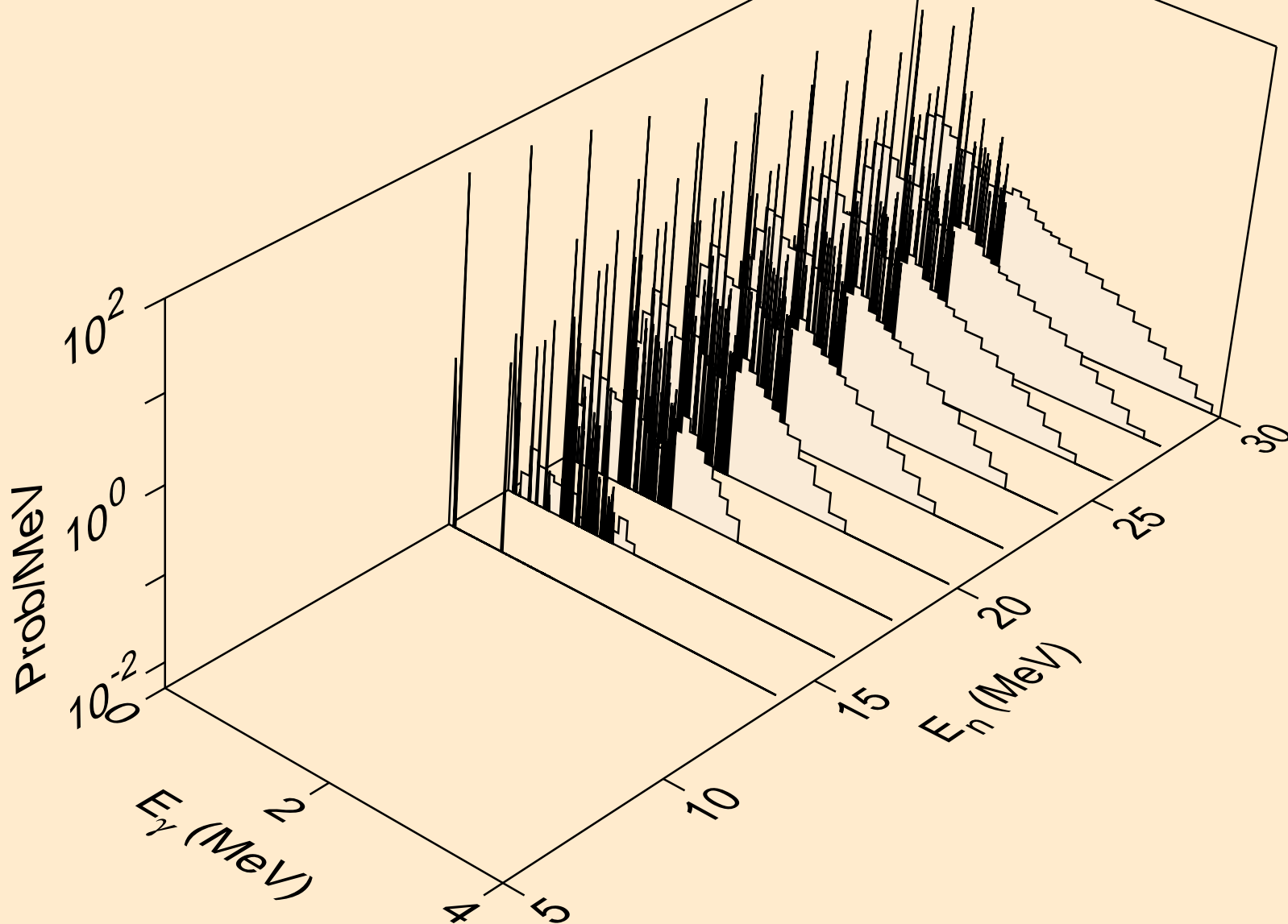




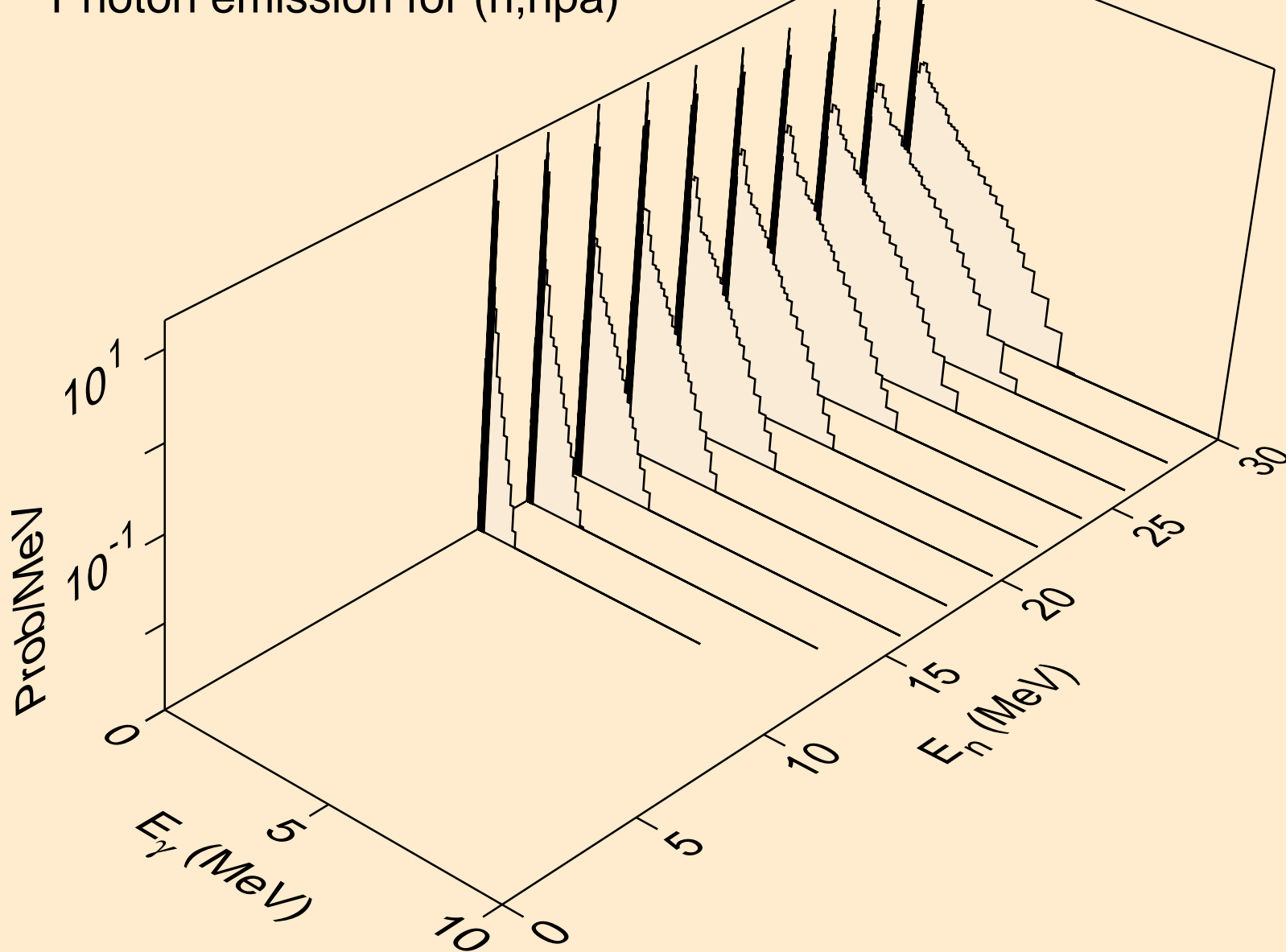
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



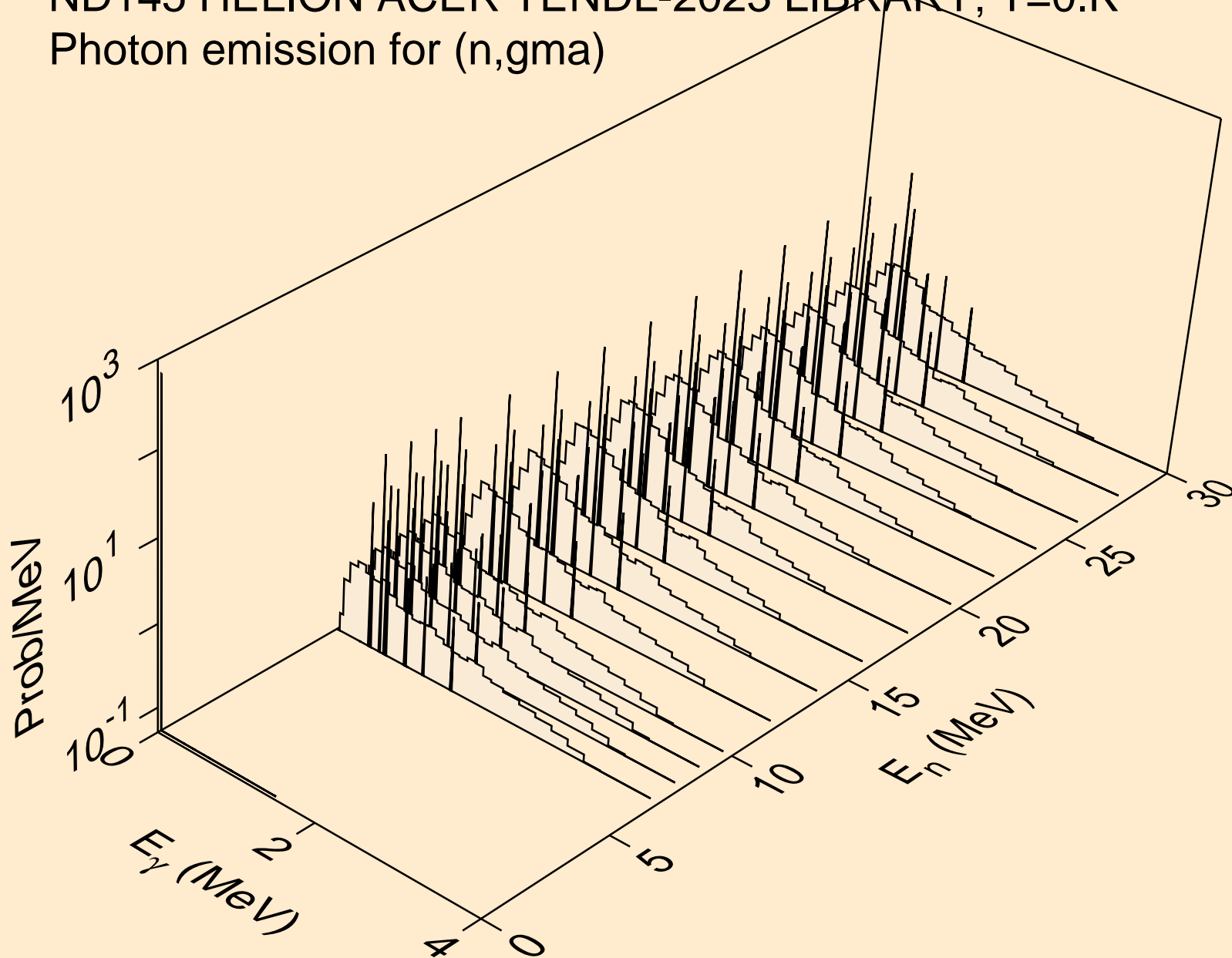
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



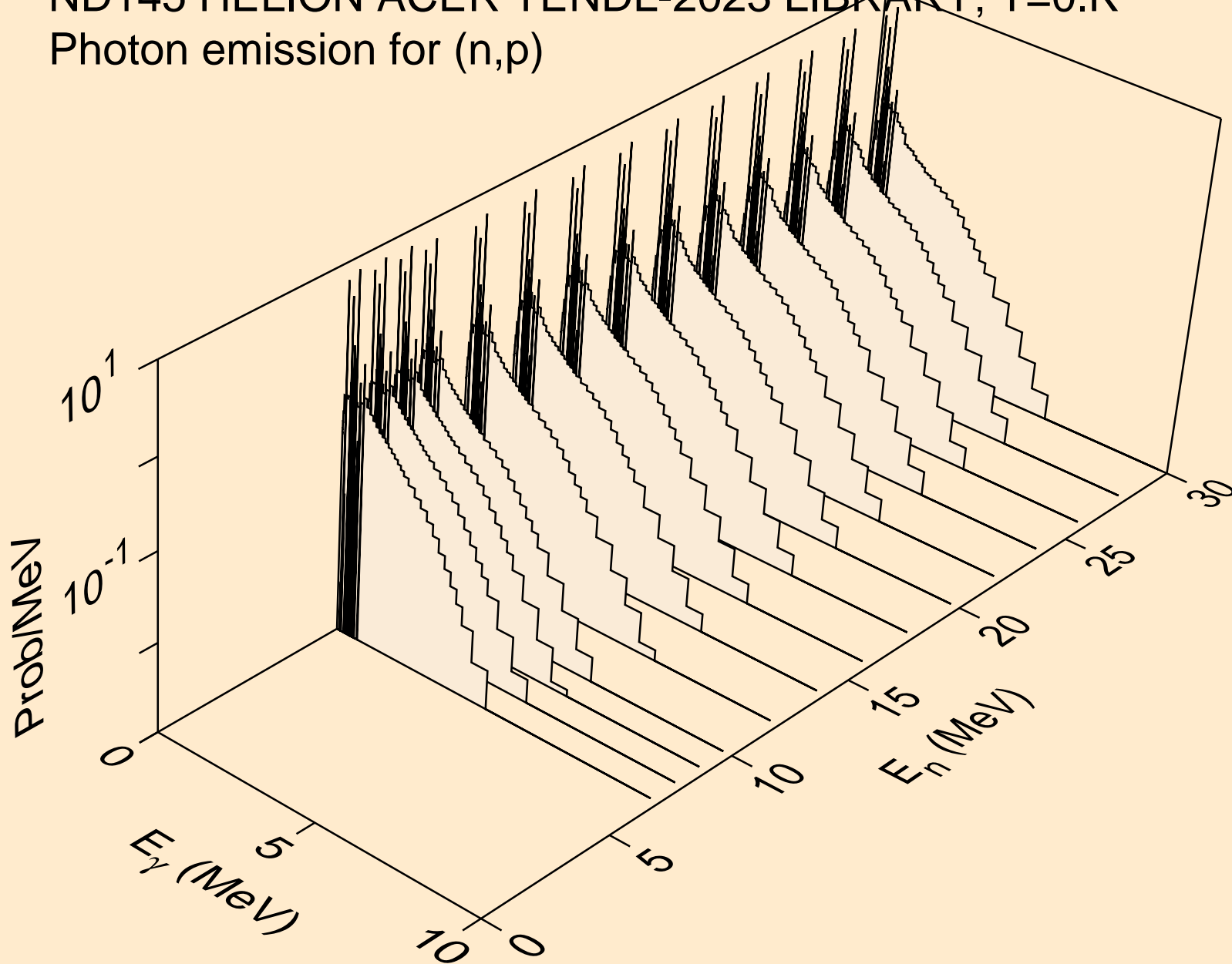
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



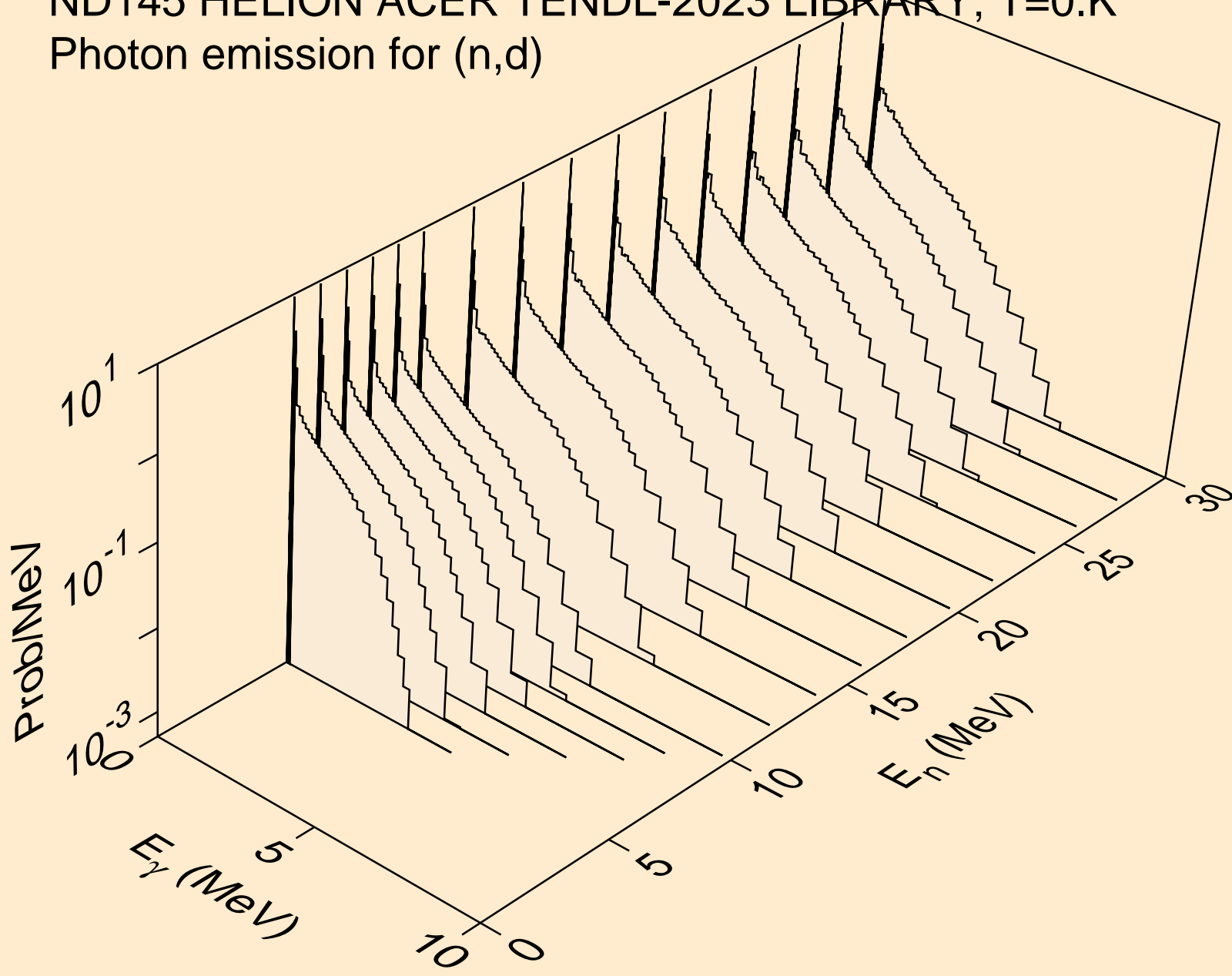
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



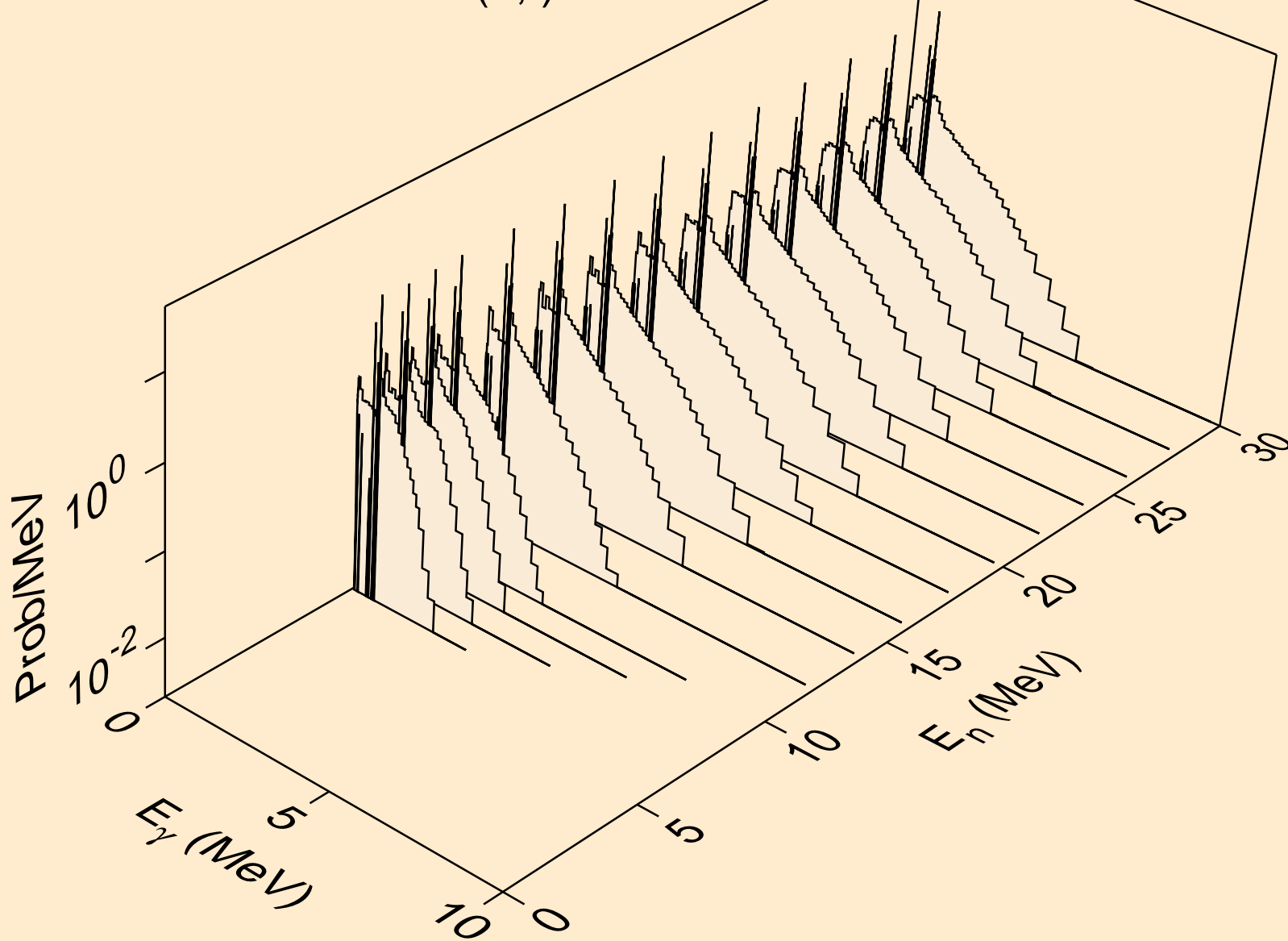
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



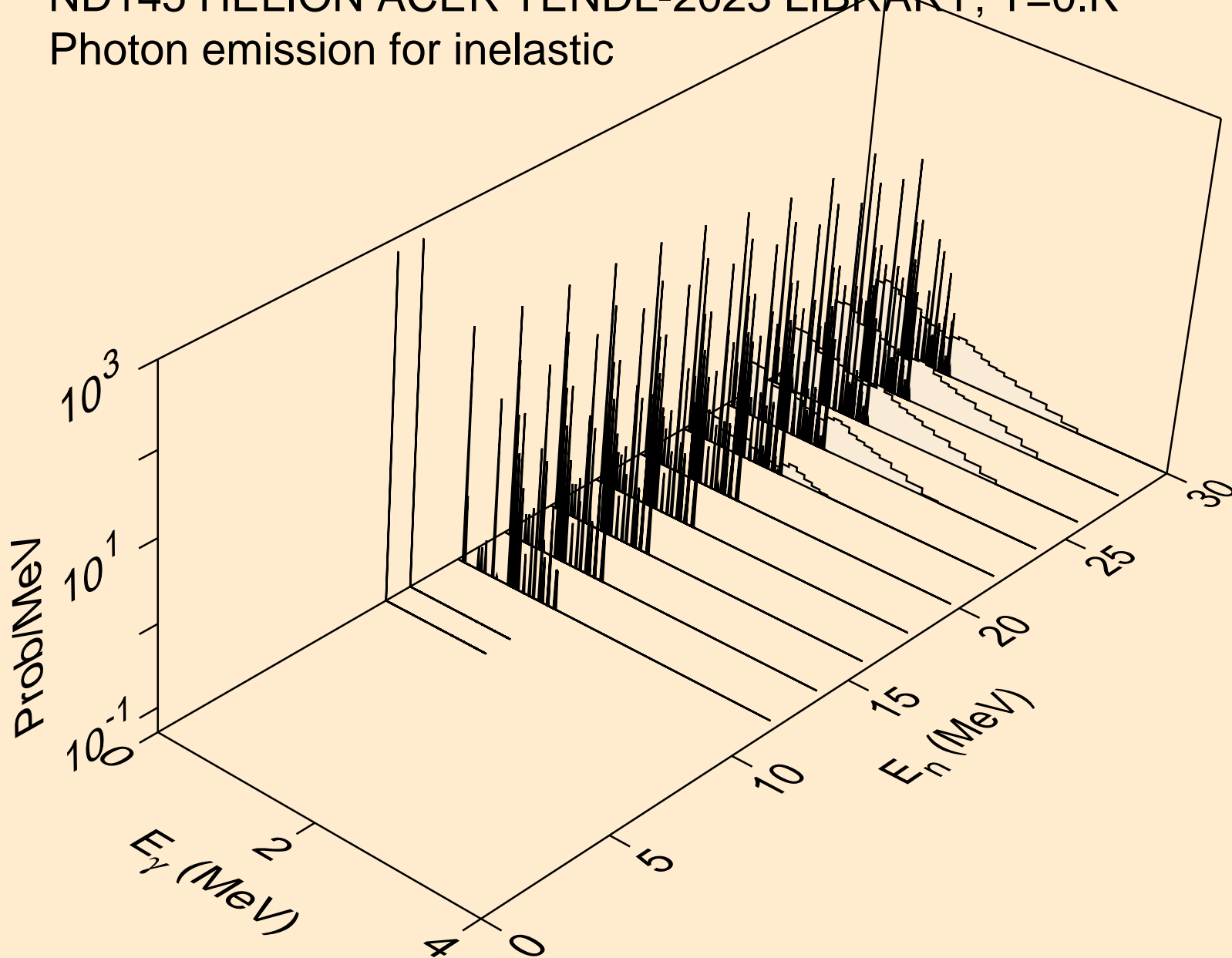
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

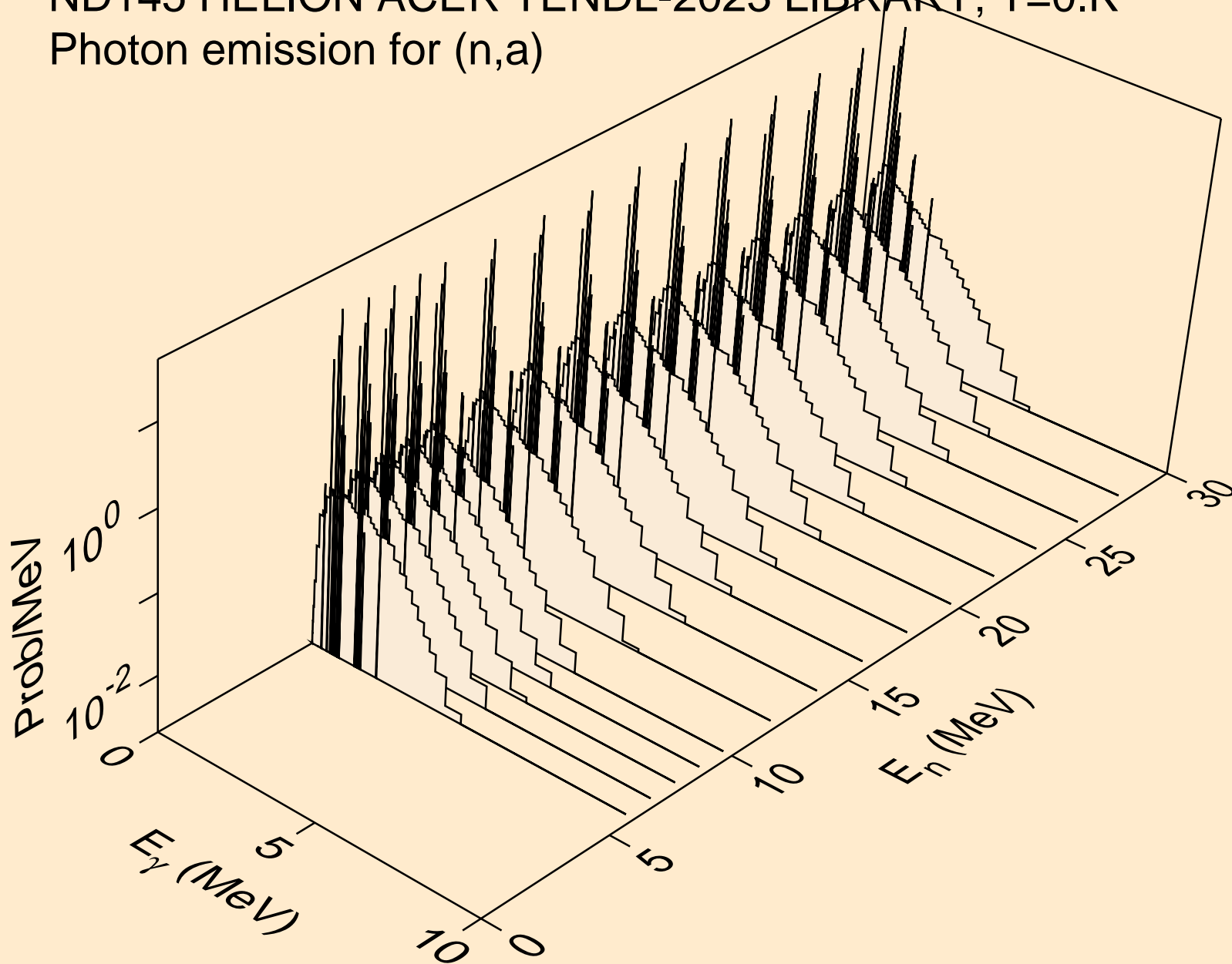


ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic

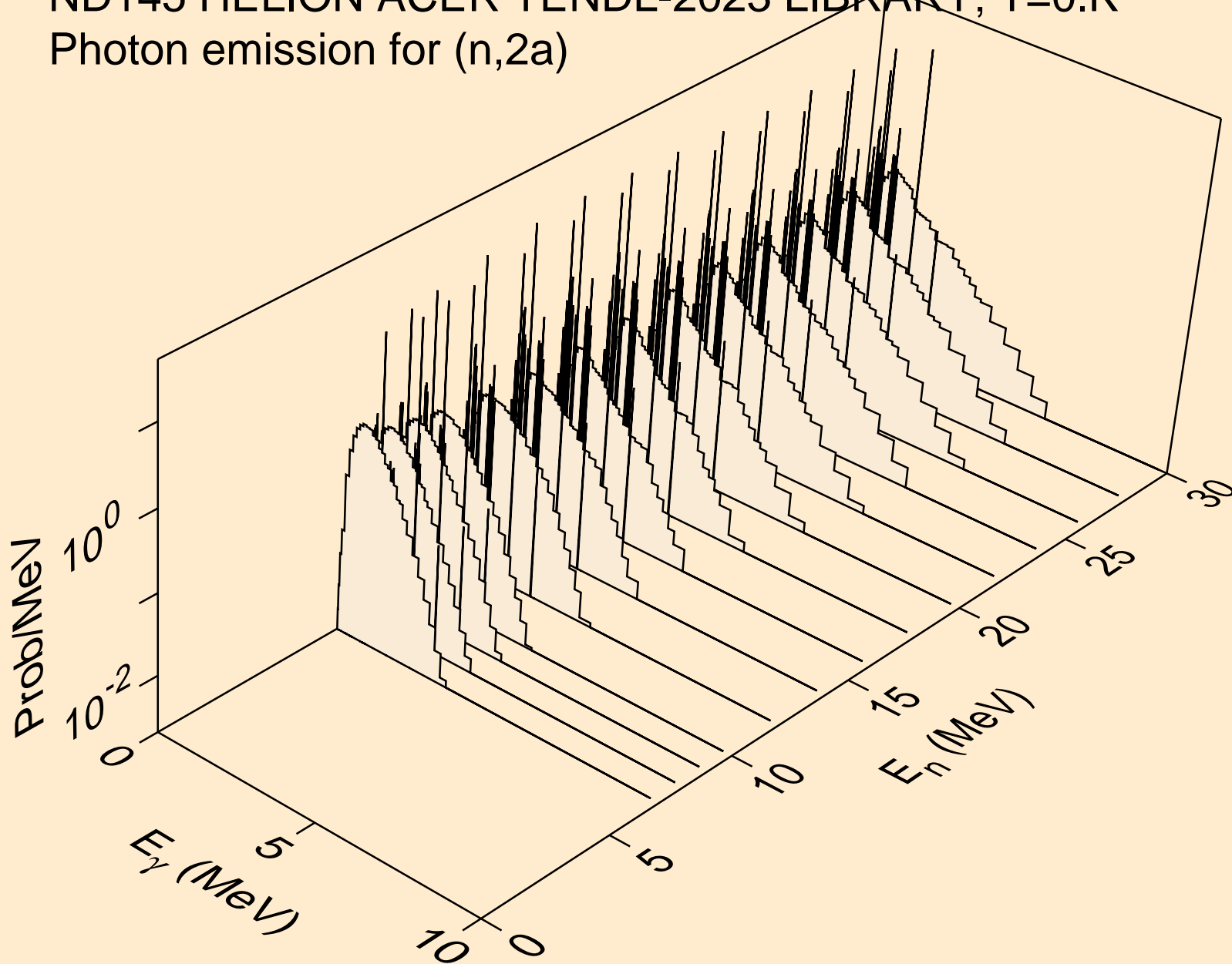




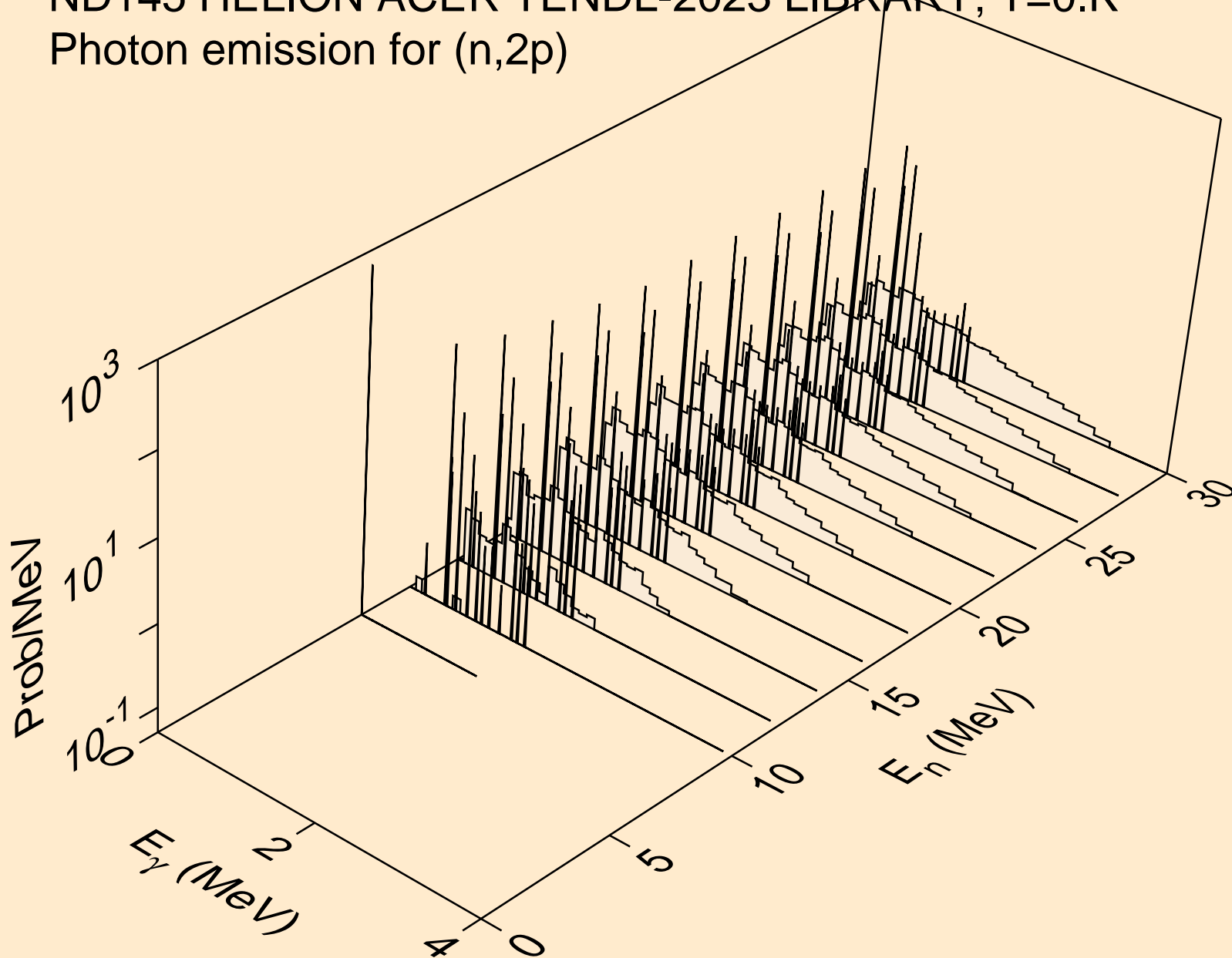
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



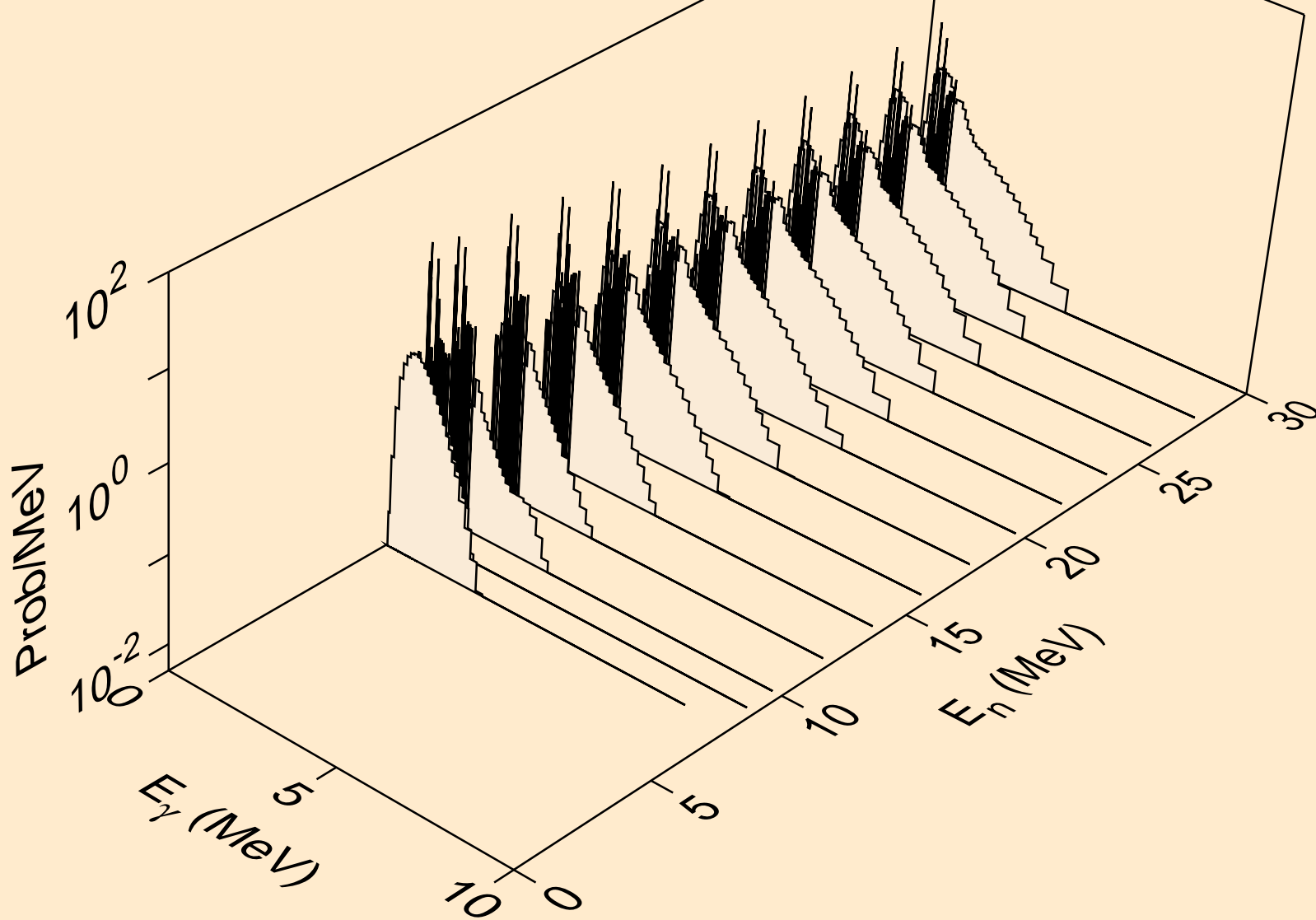
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



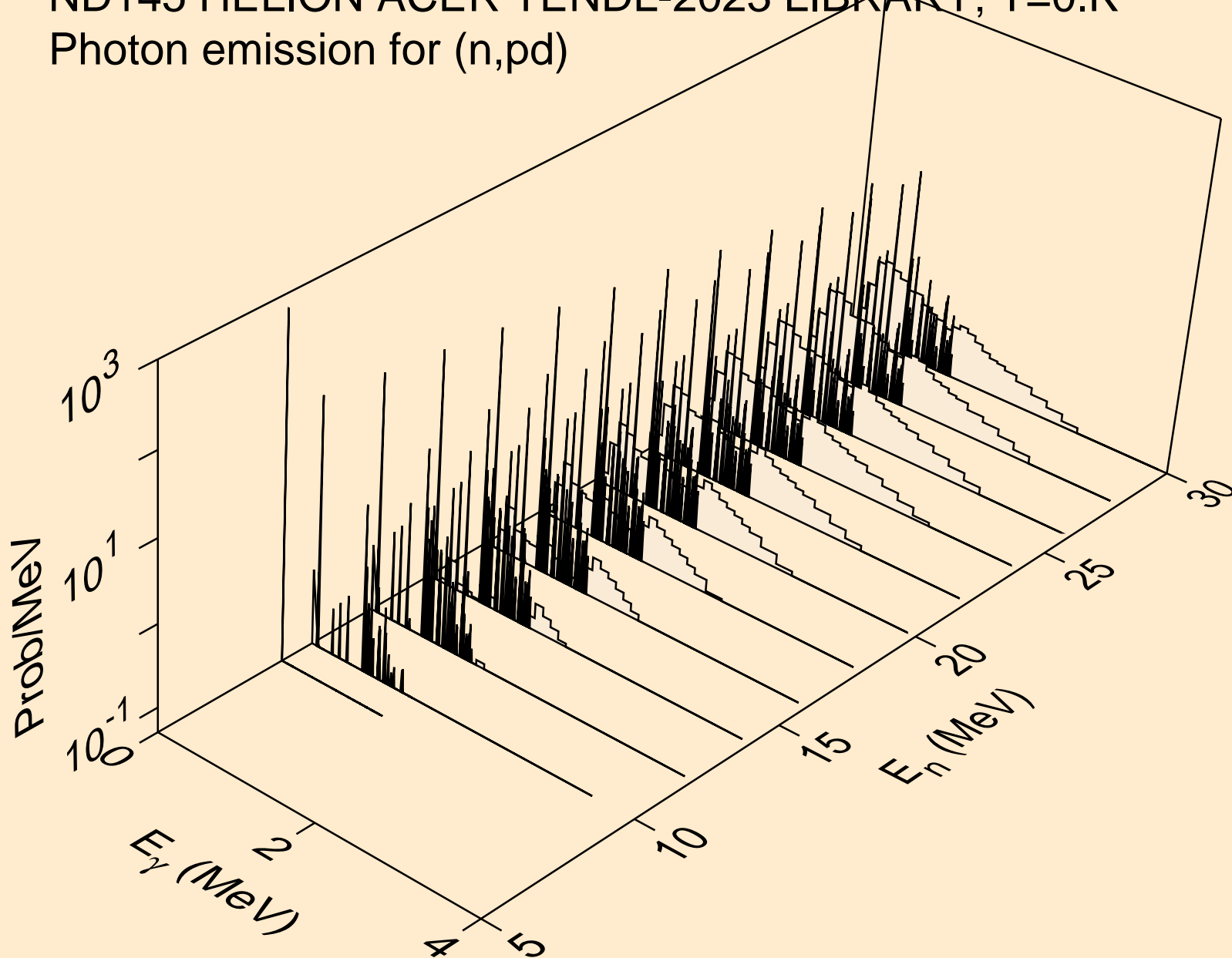
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



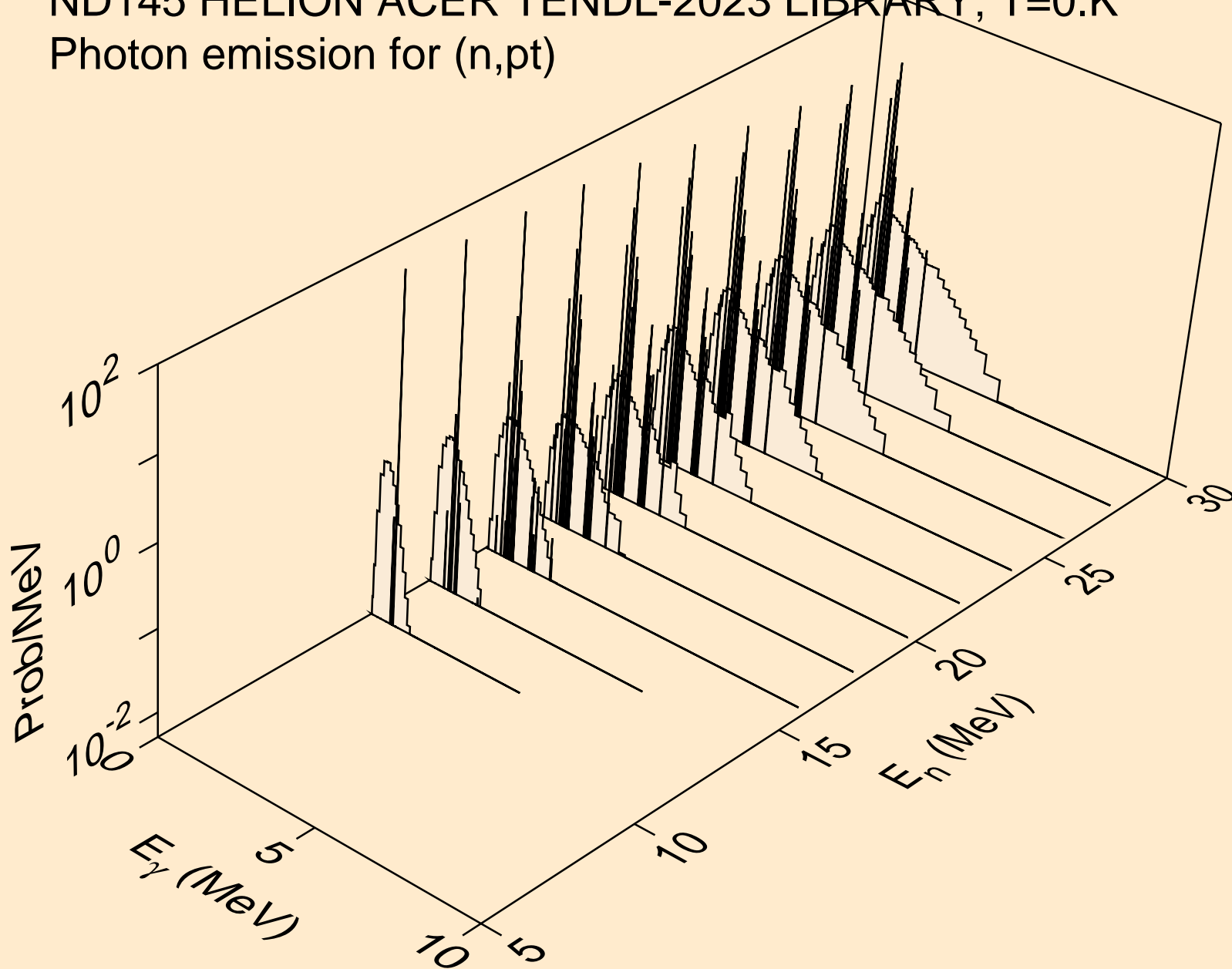
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)



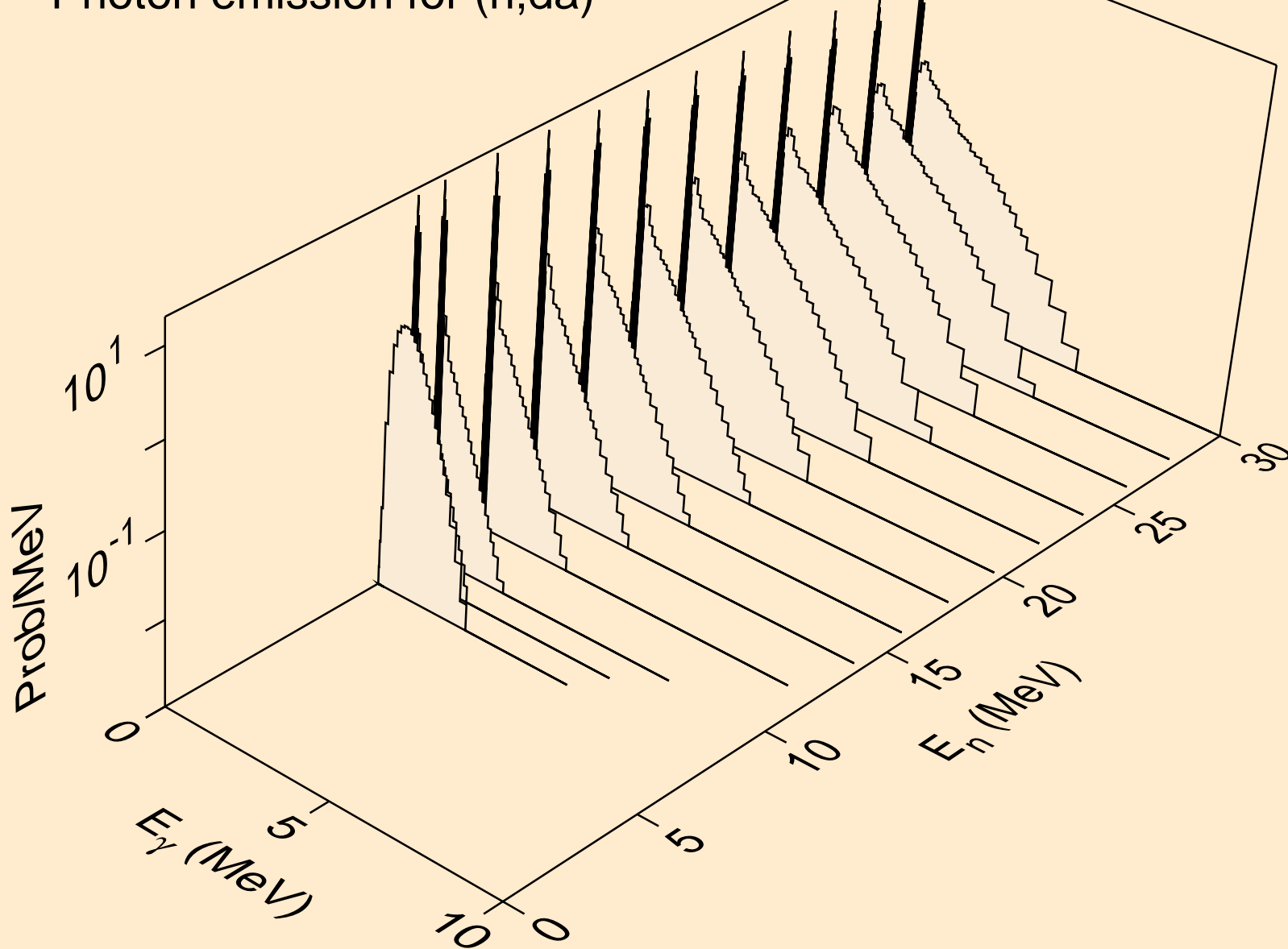
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

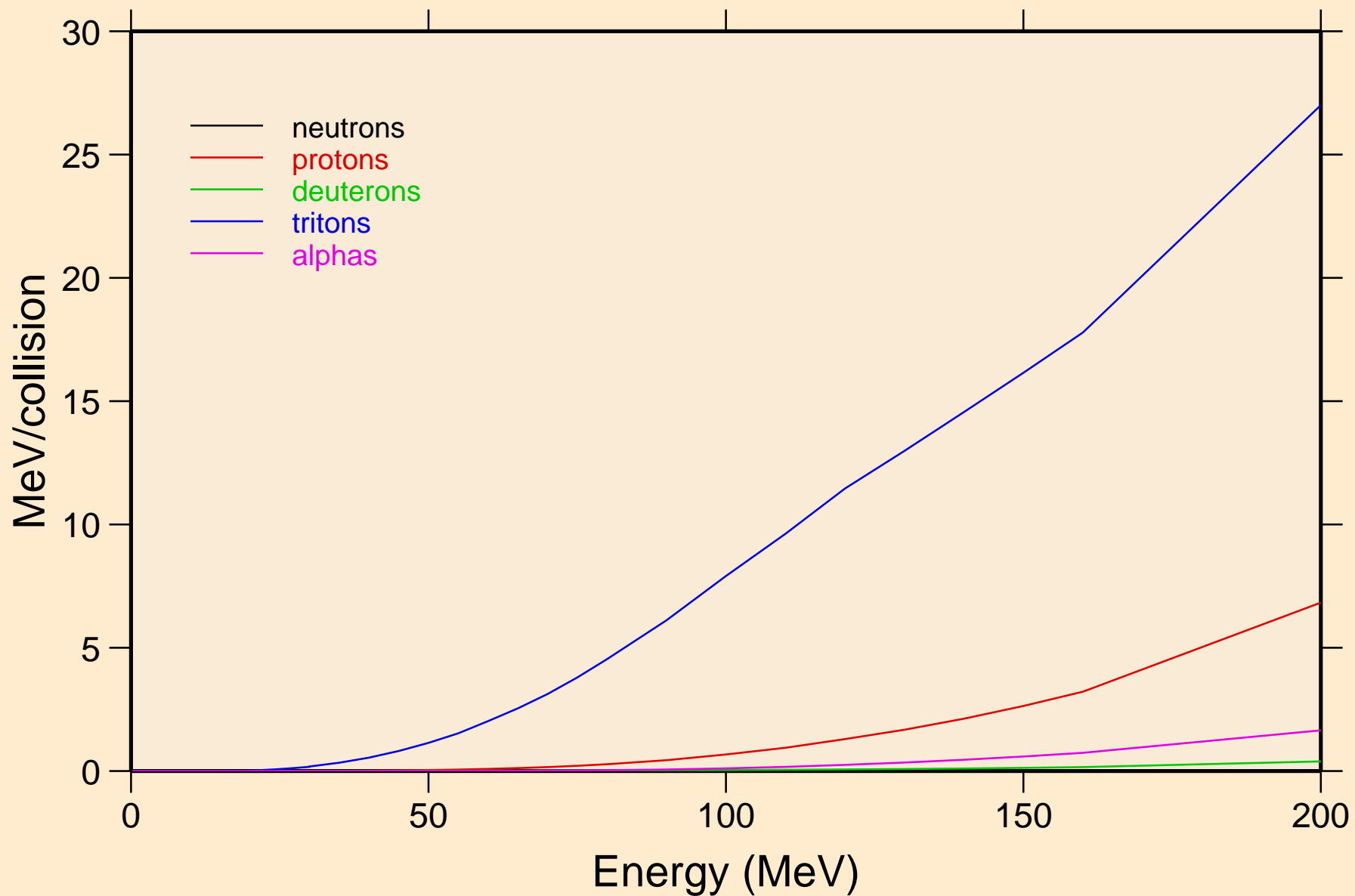


ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



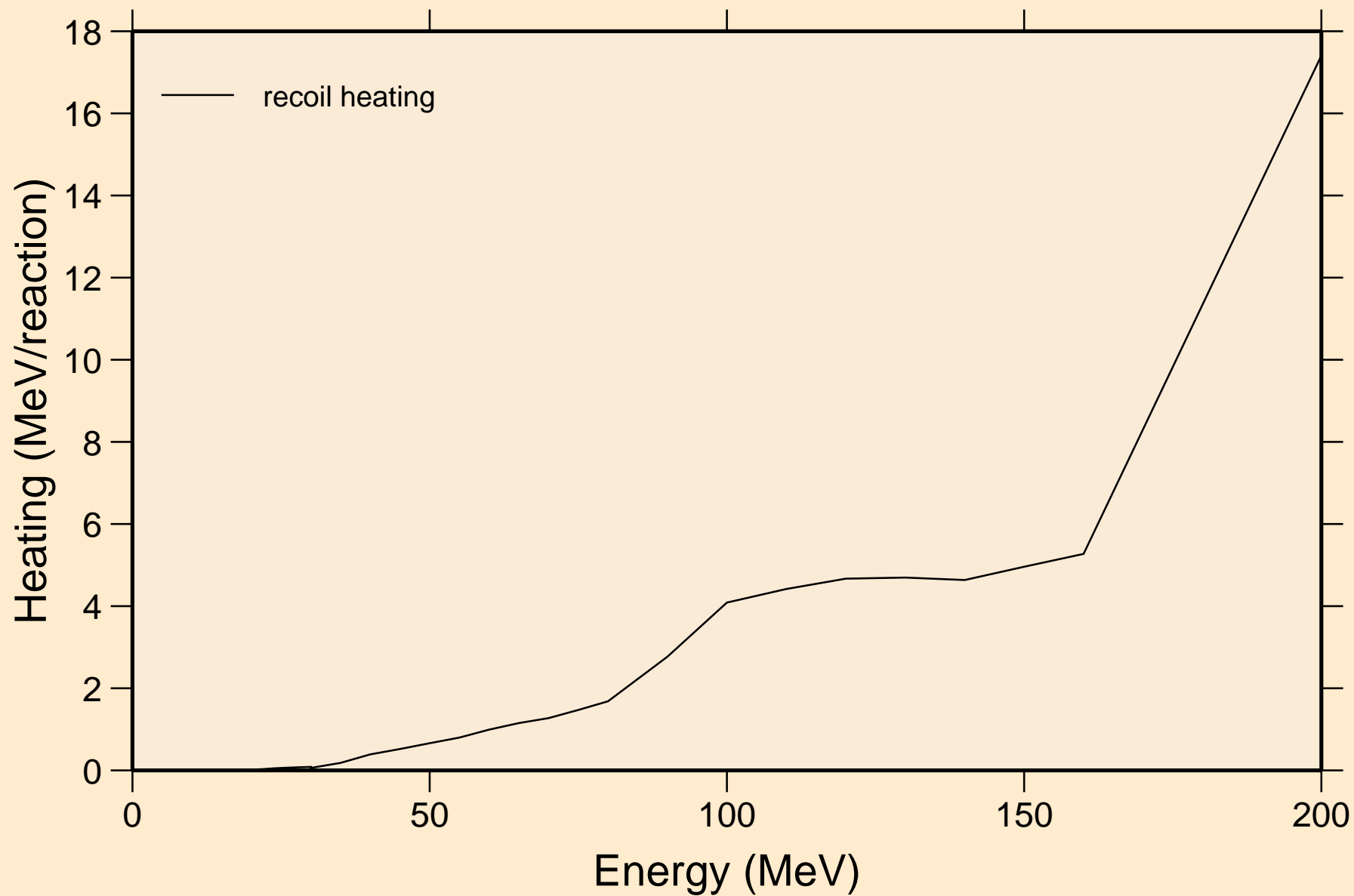
# ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



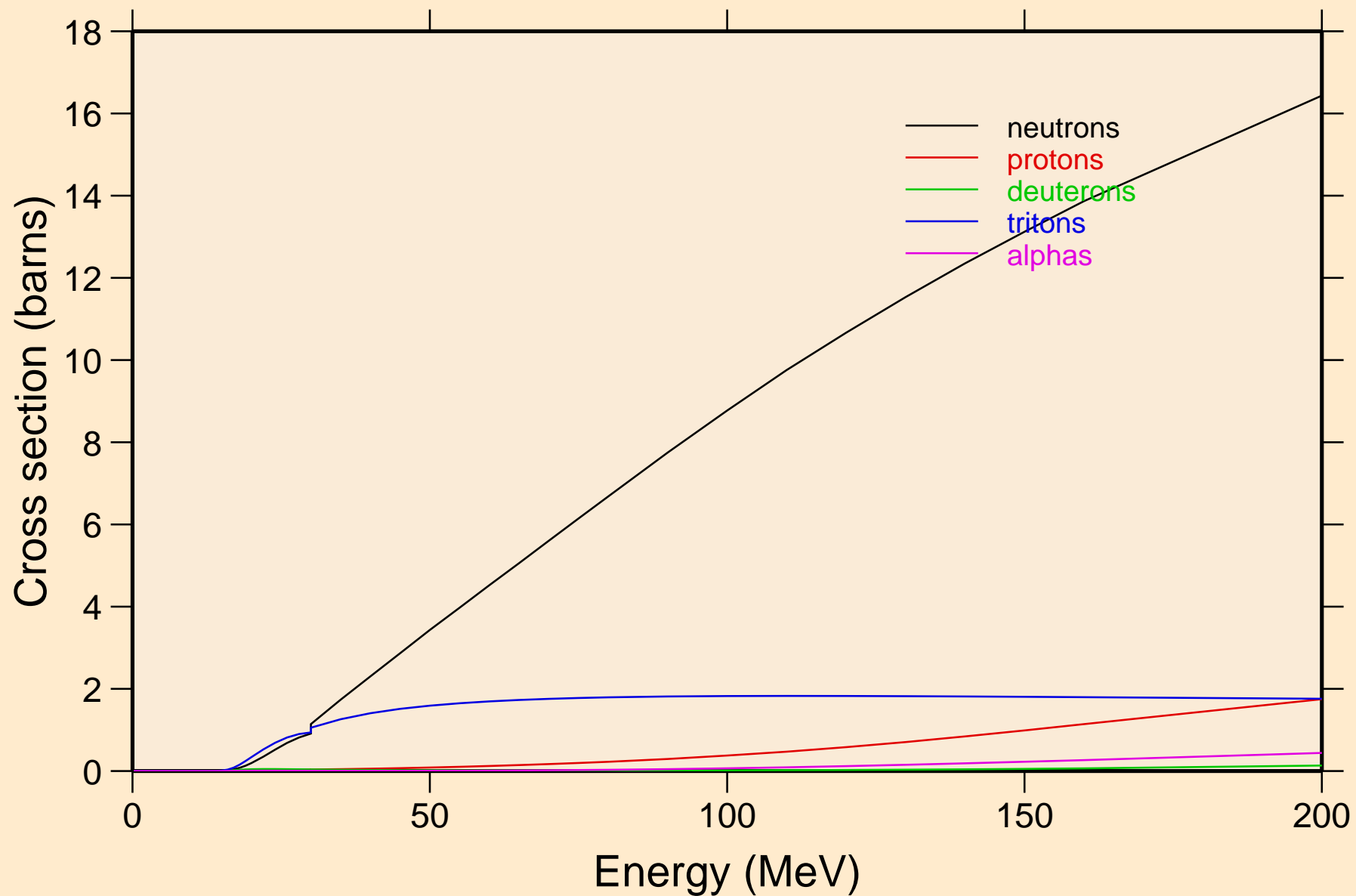


ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

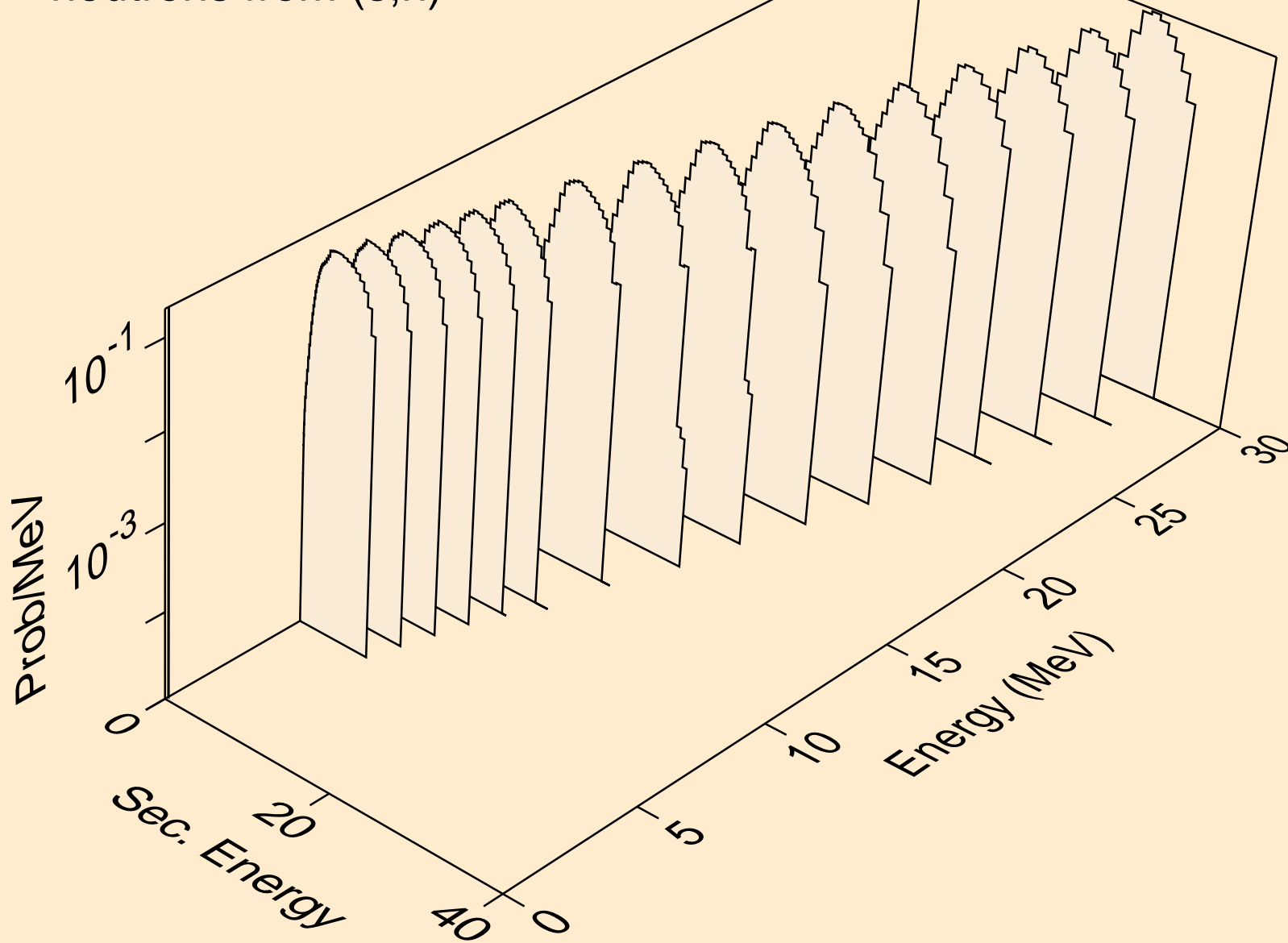


# ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K

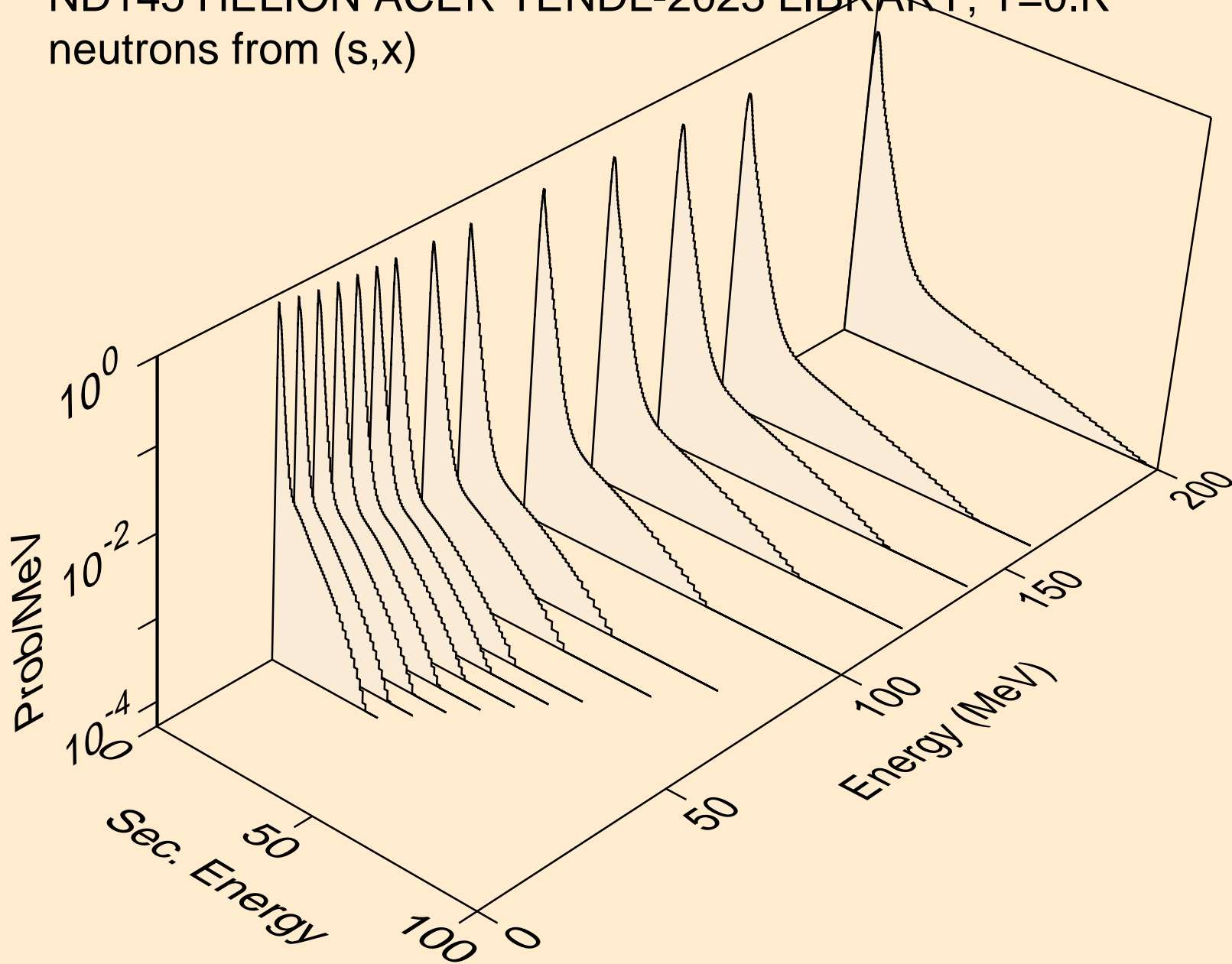
## Particle production cross sections



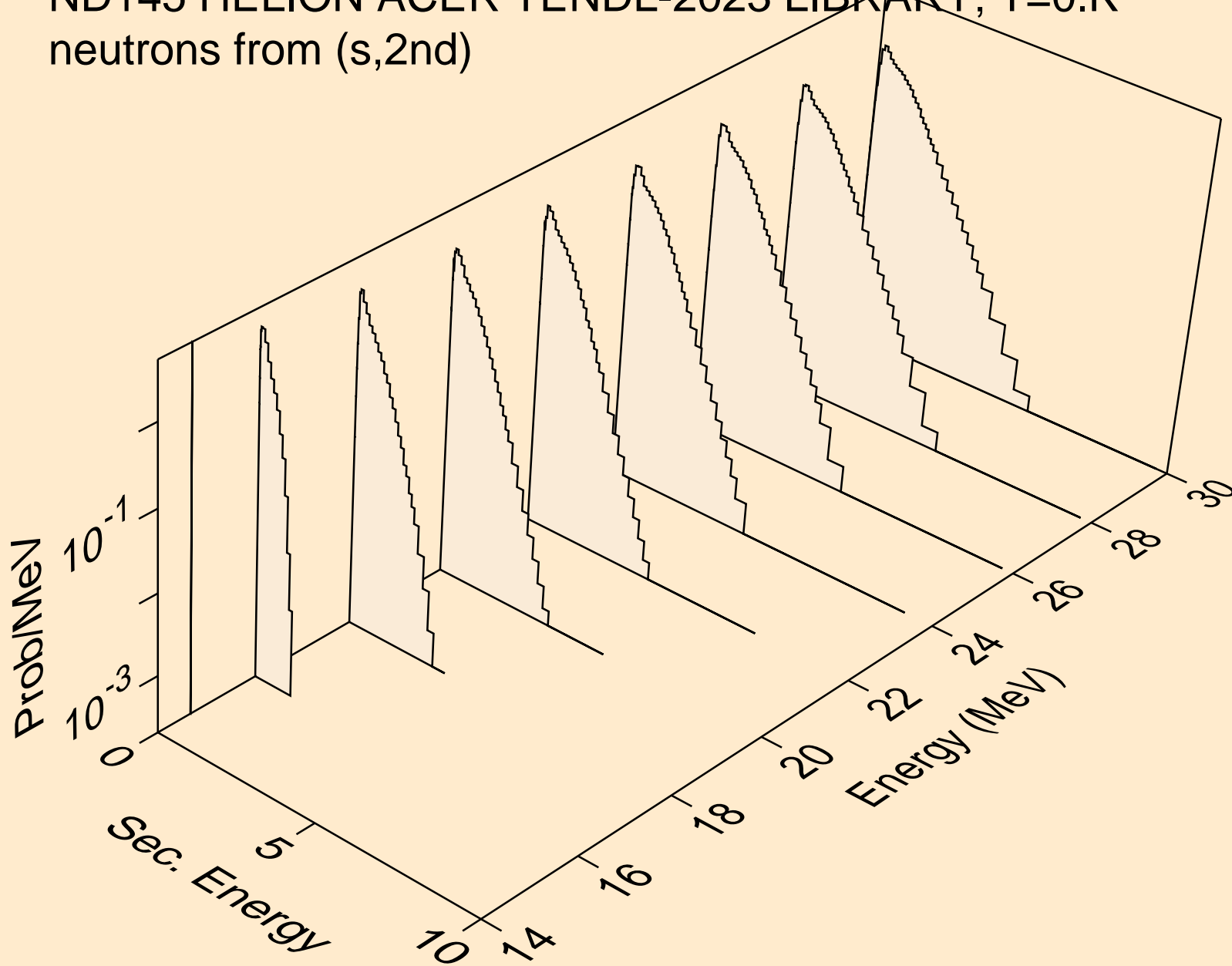
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



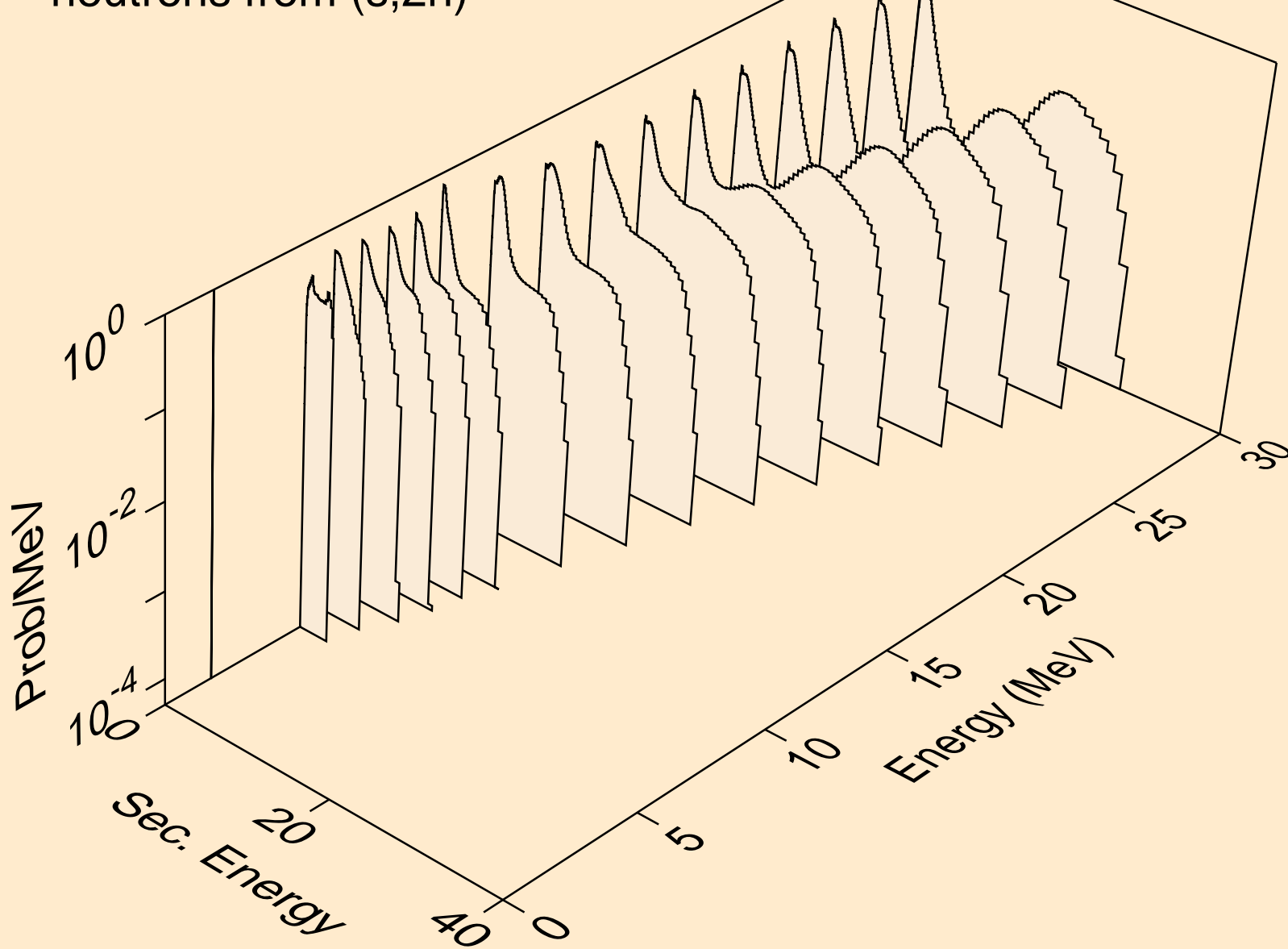
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,x)



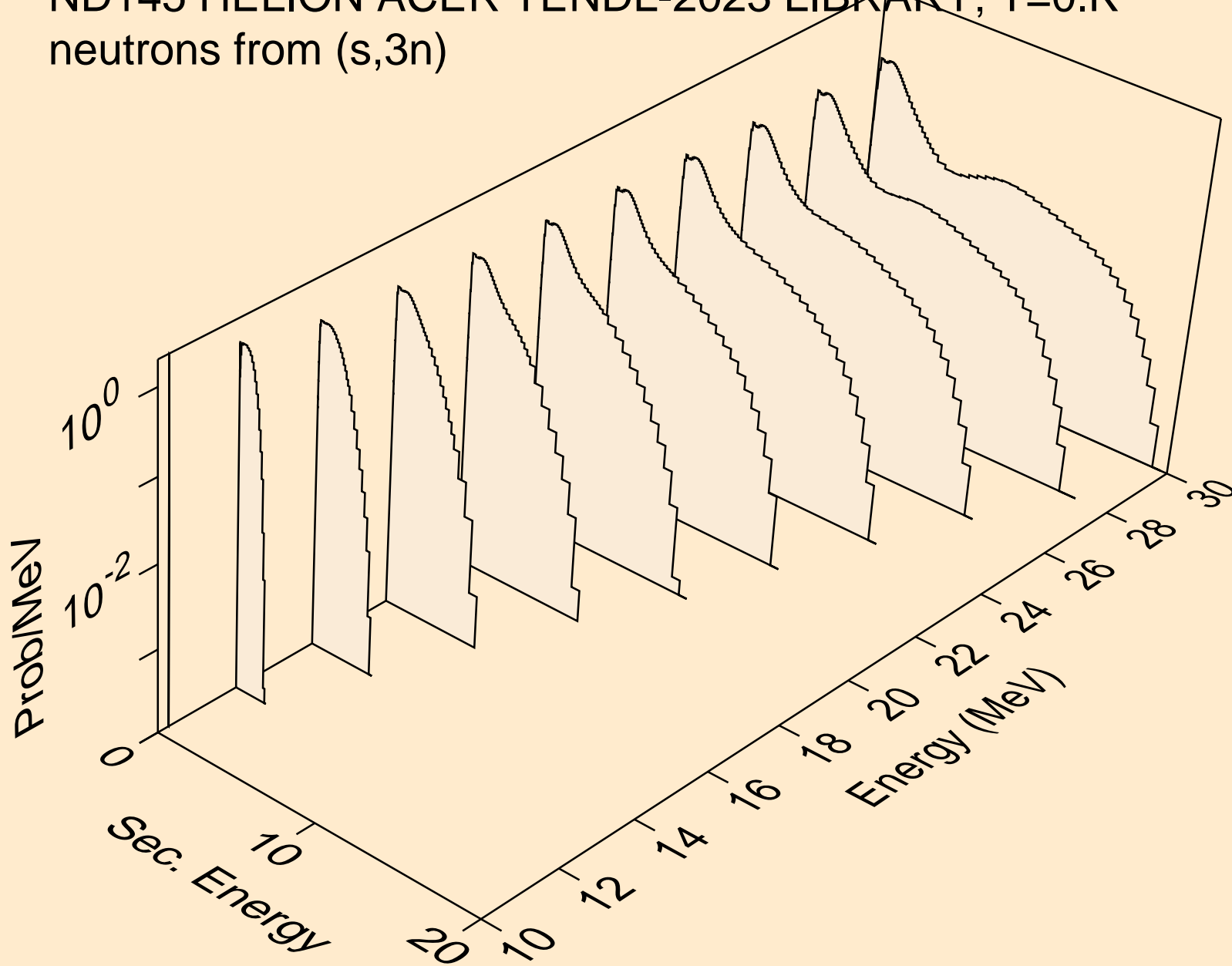
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2nd)



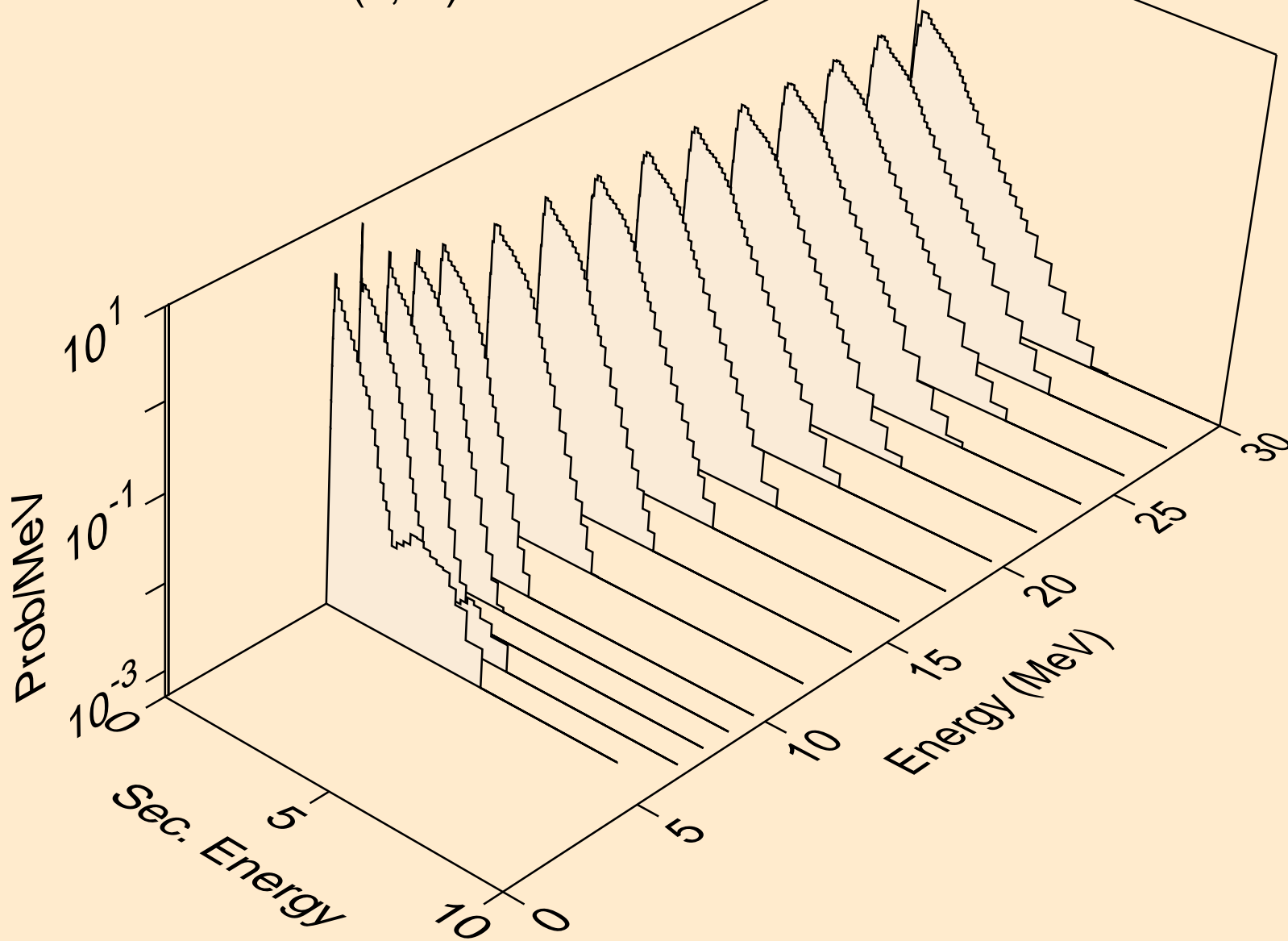
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)



ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3n)

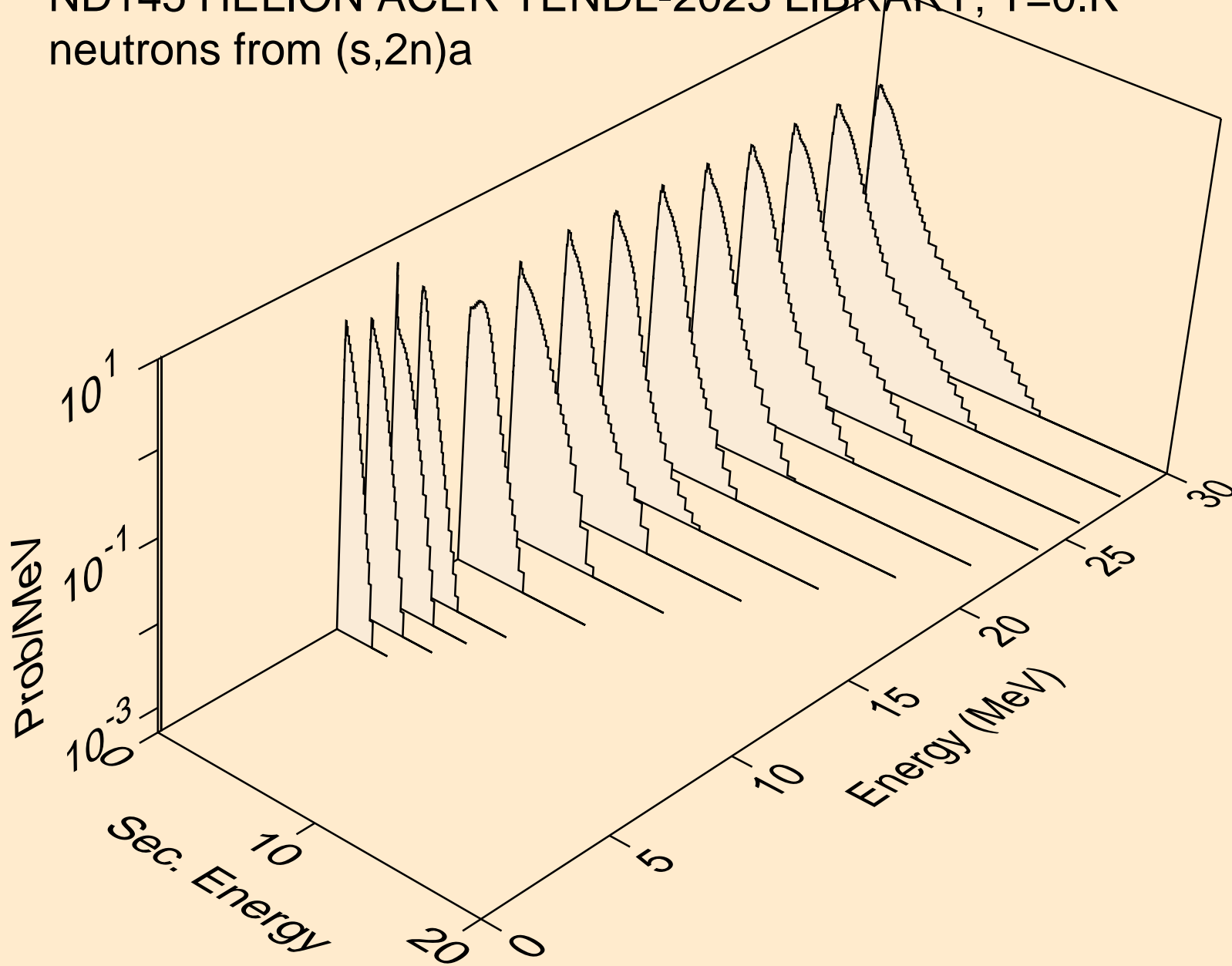


ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a

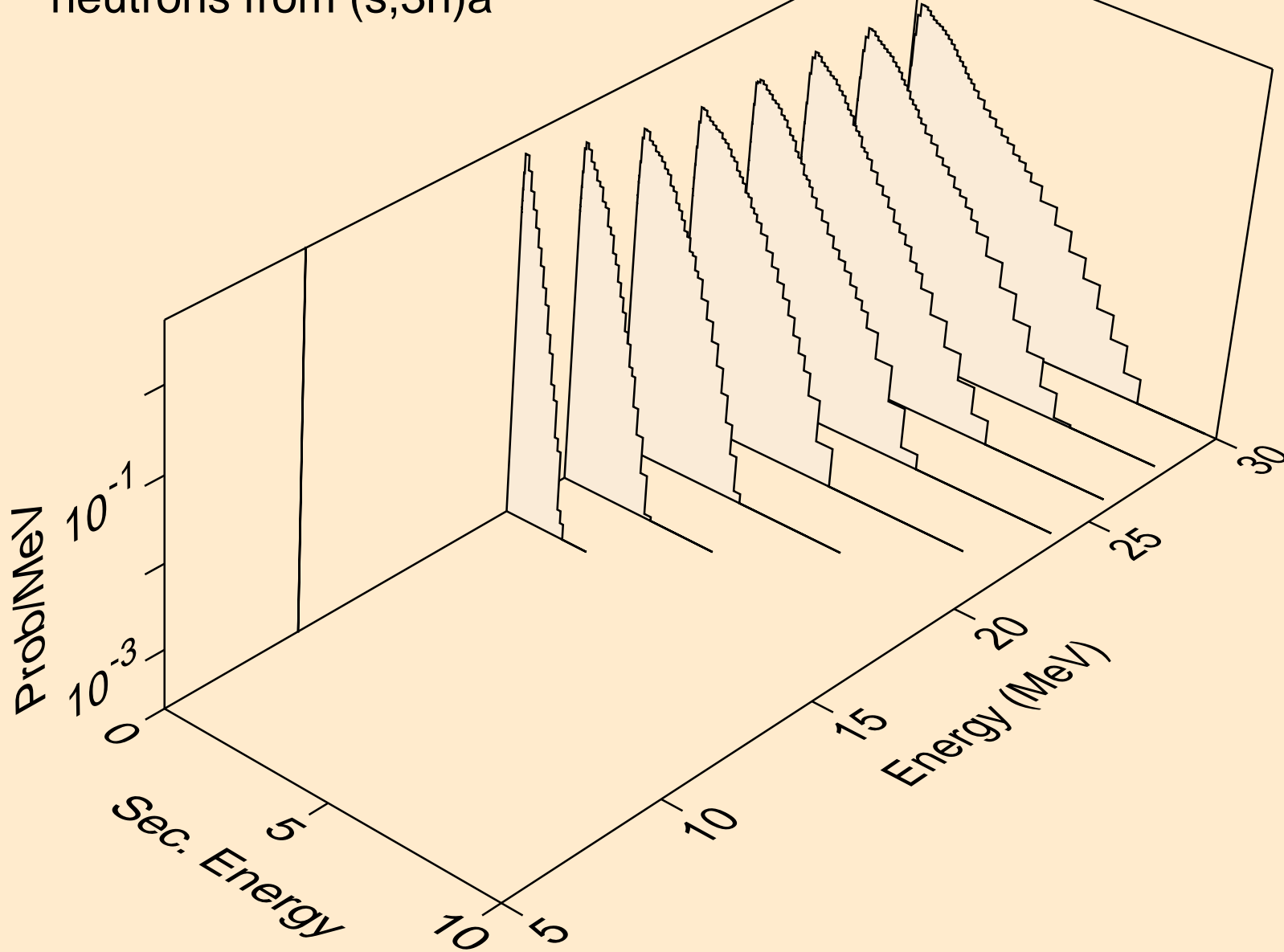




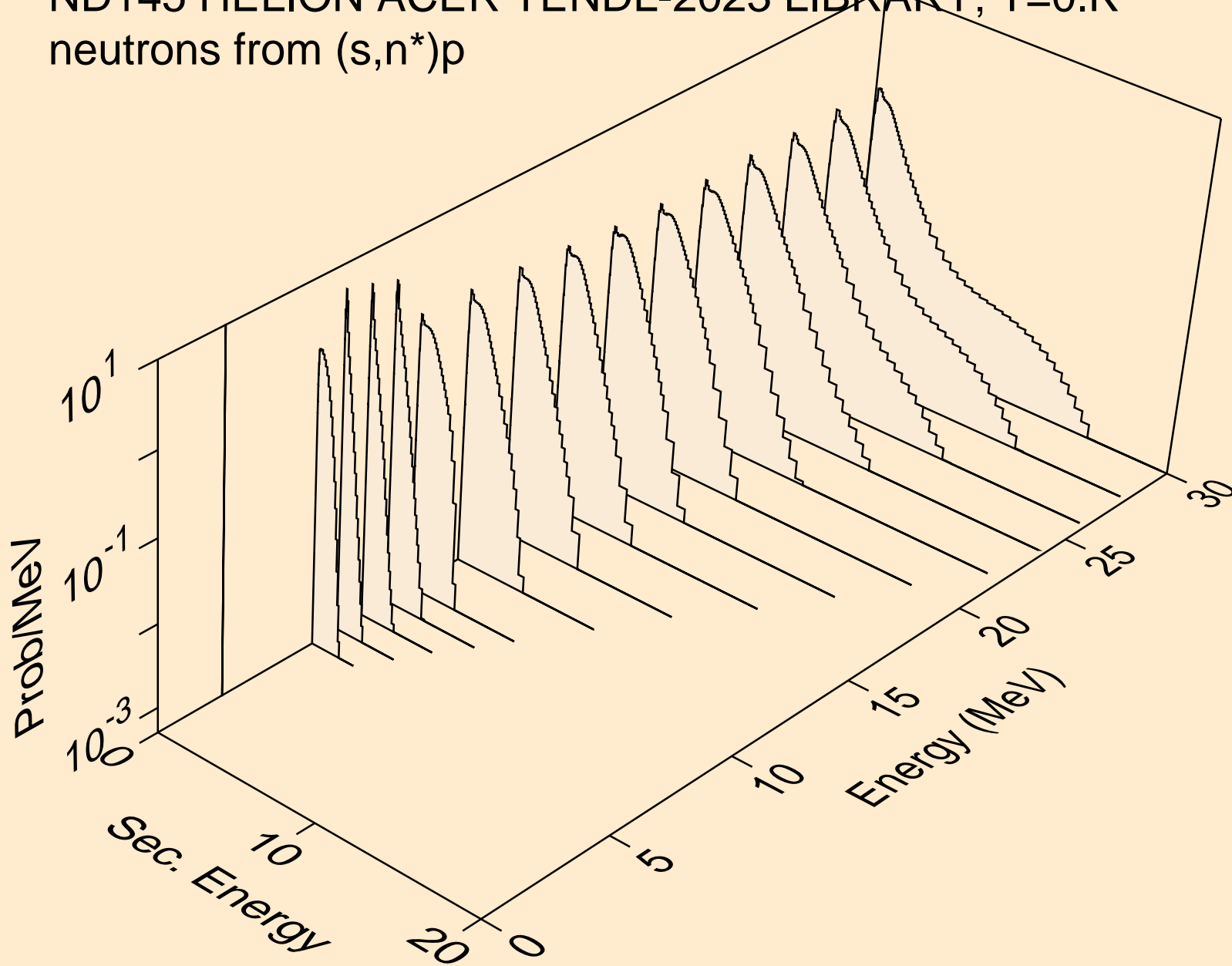
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)a



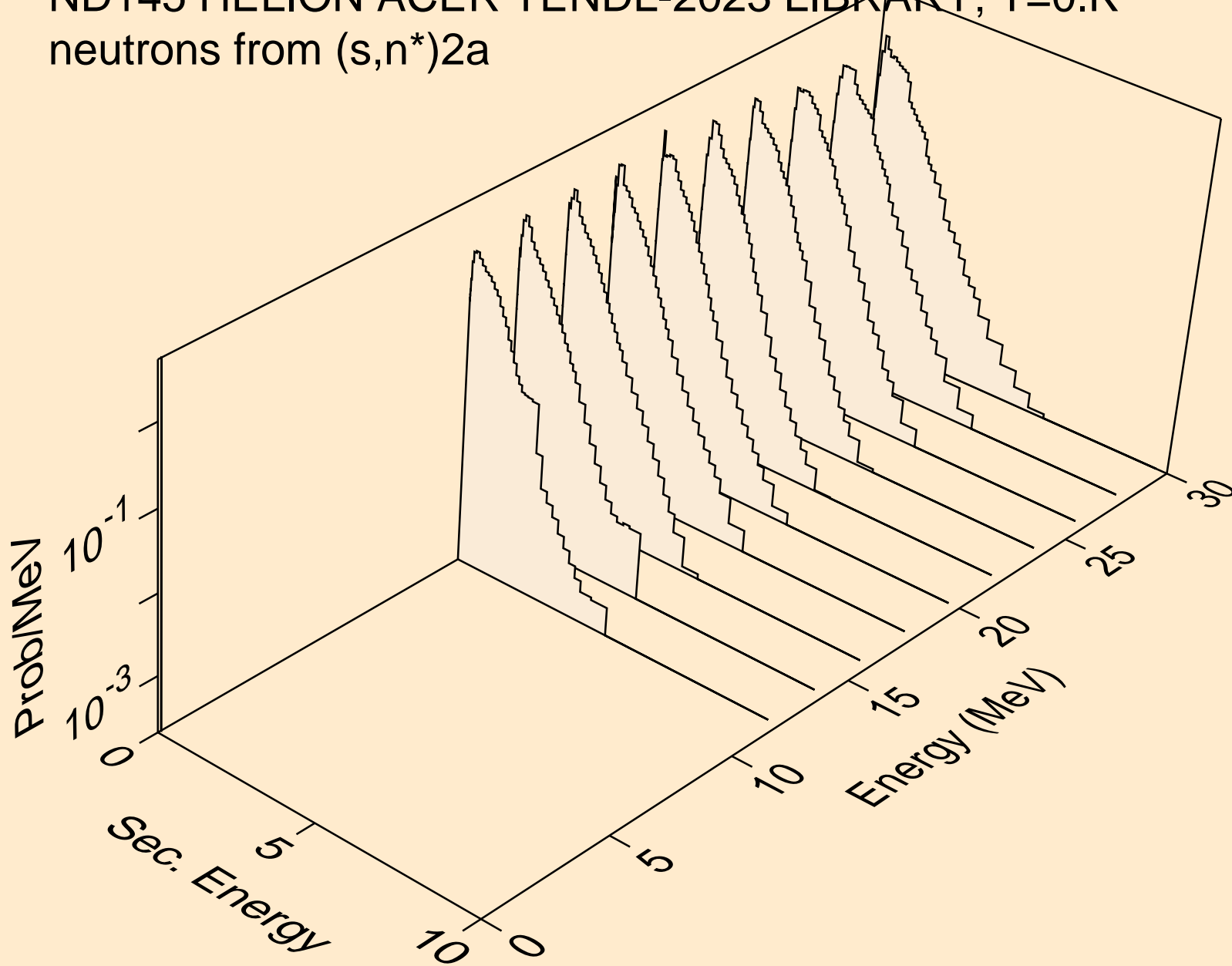
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3n)a



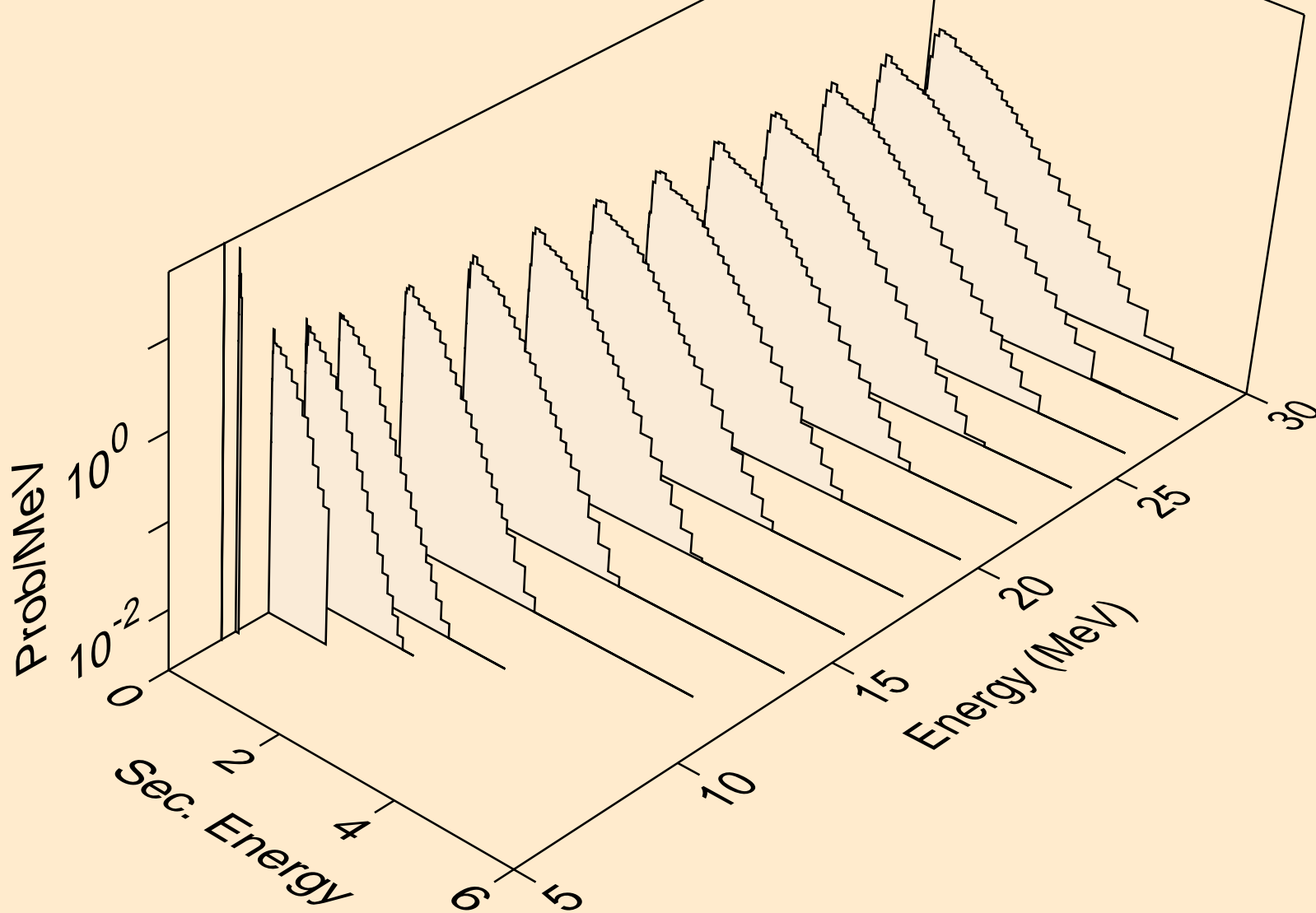
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)p



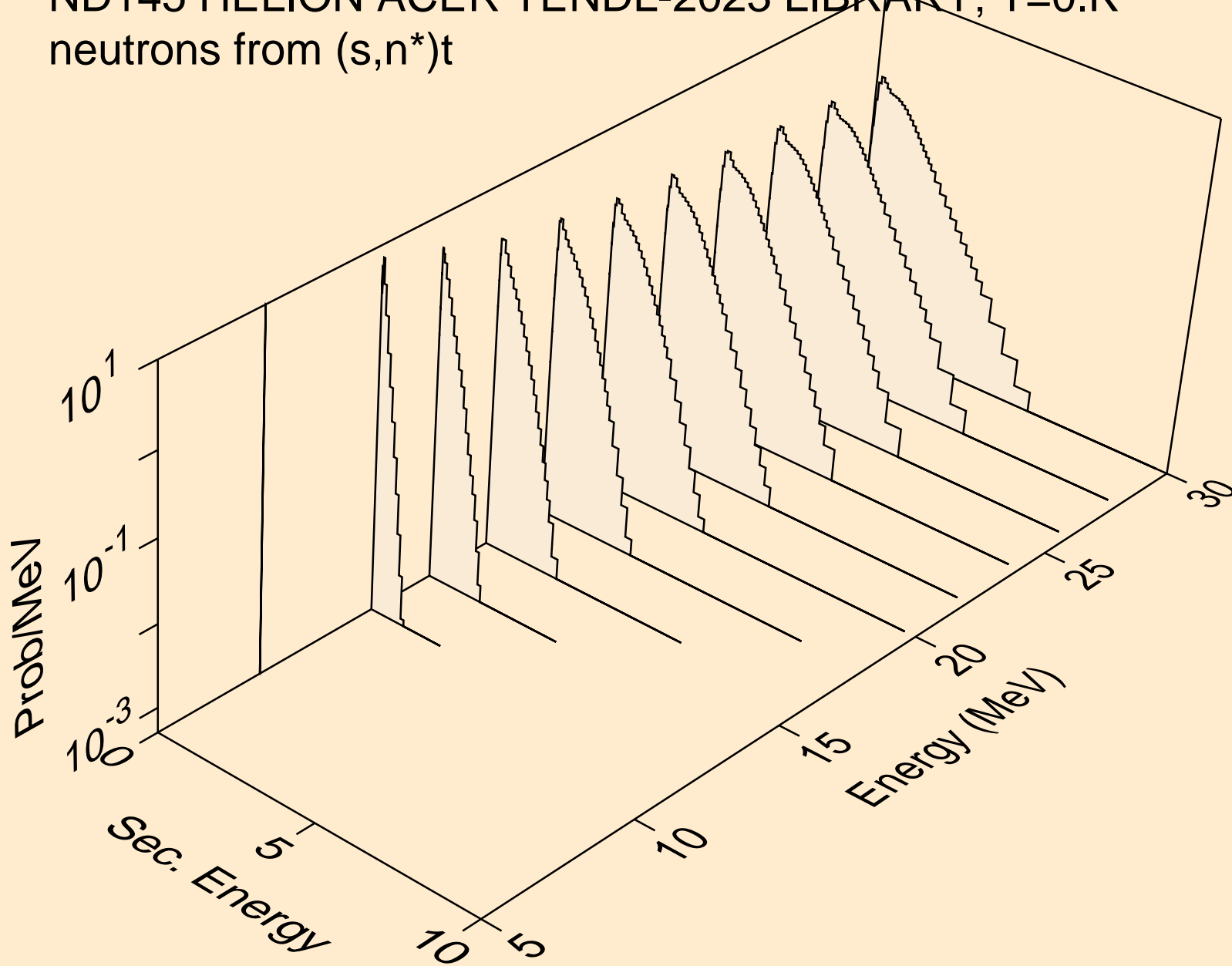
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)2a



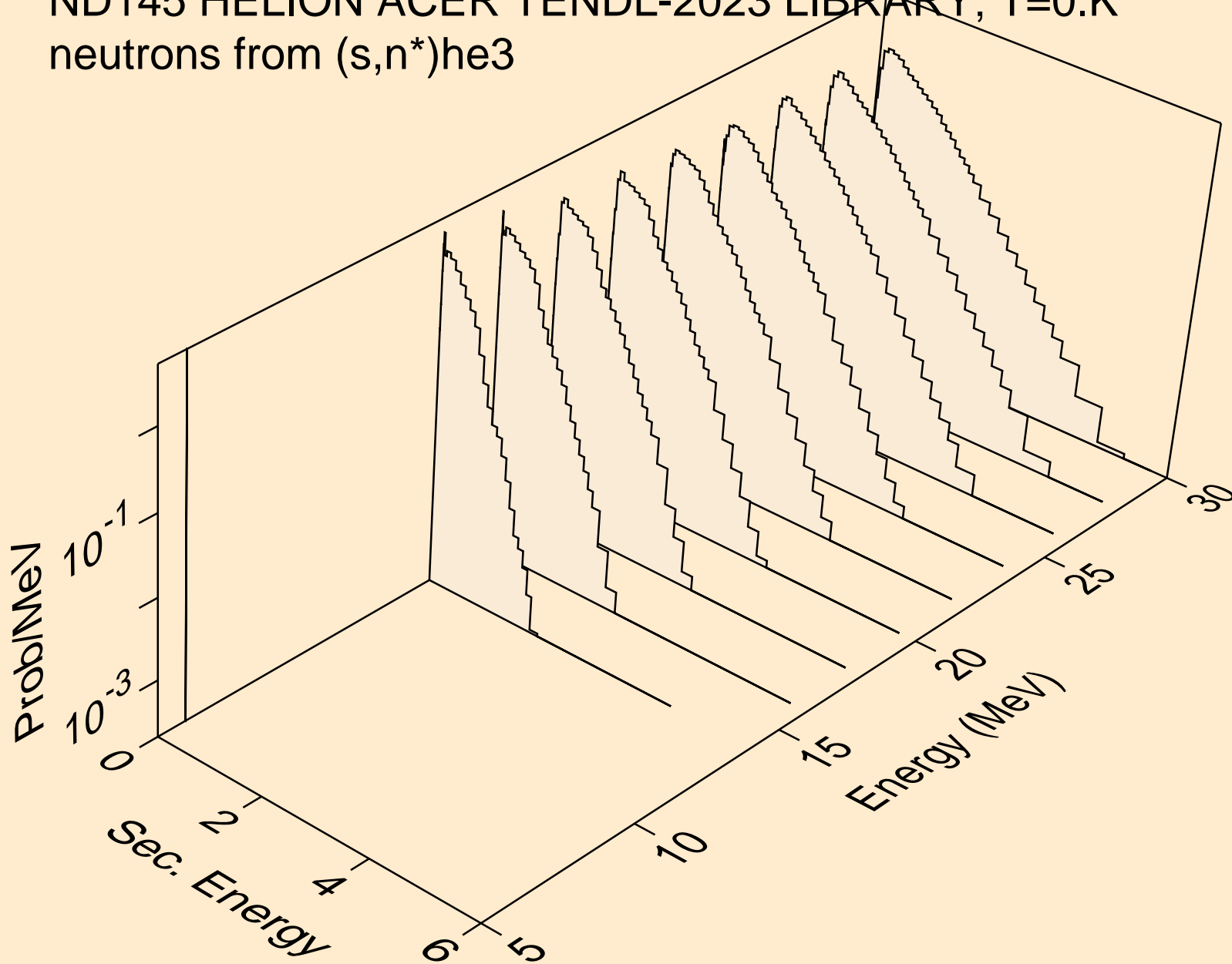
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)d



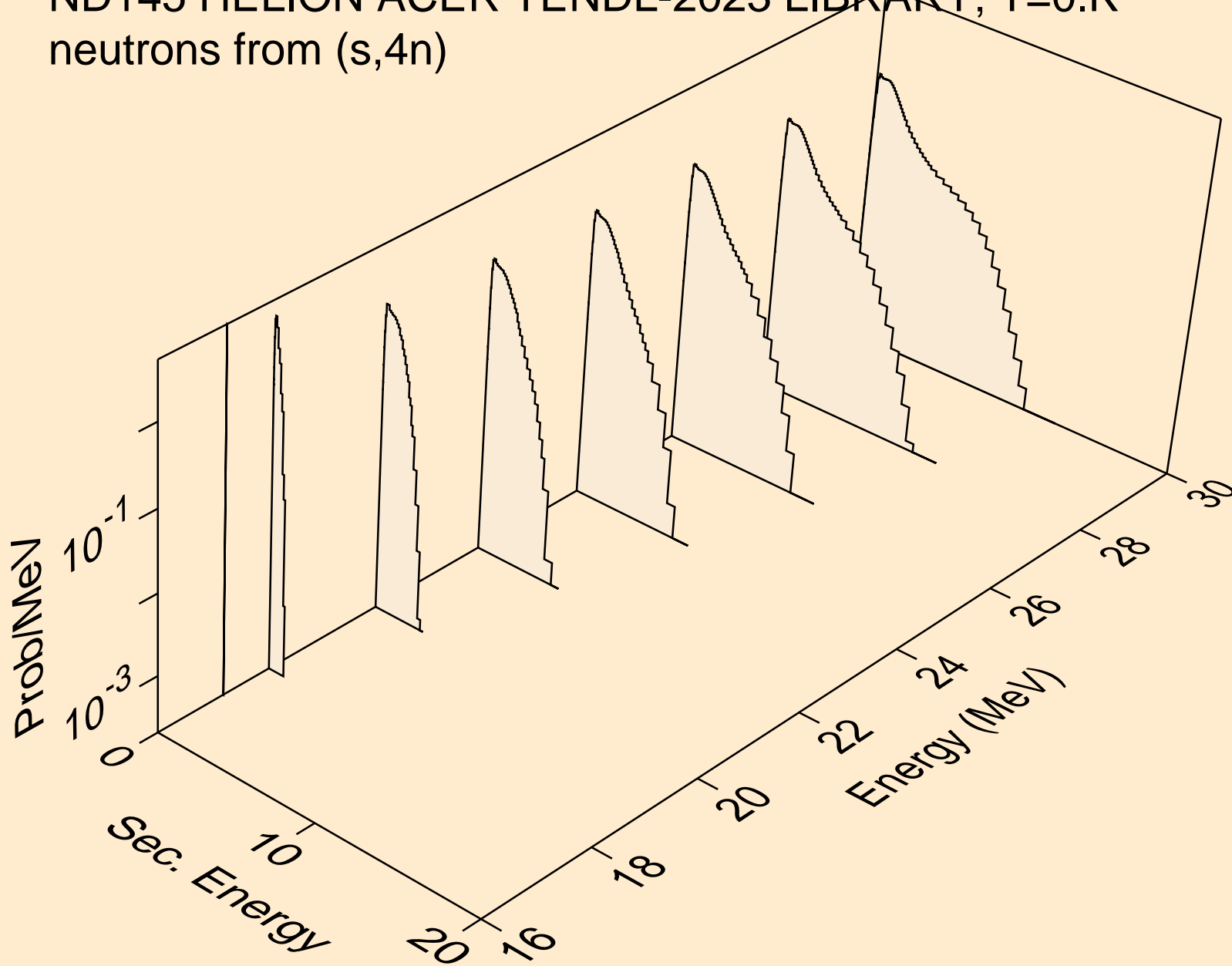
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)t



ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

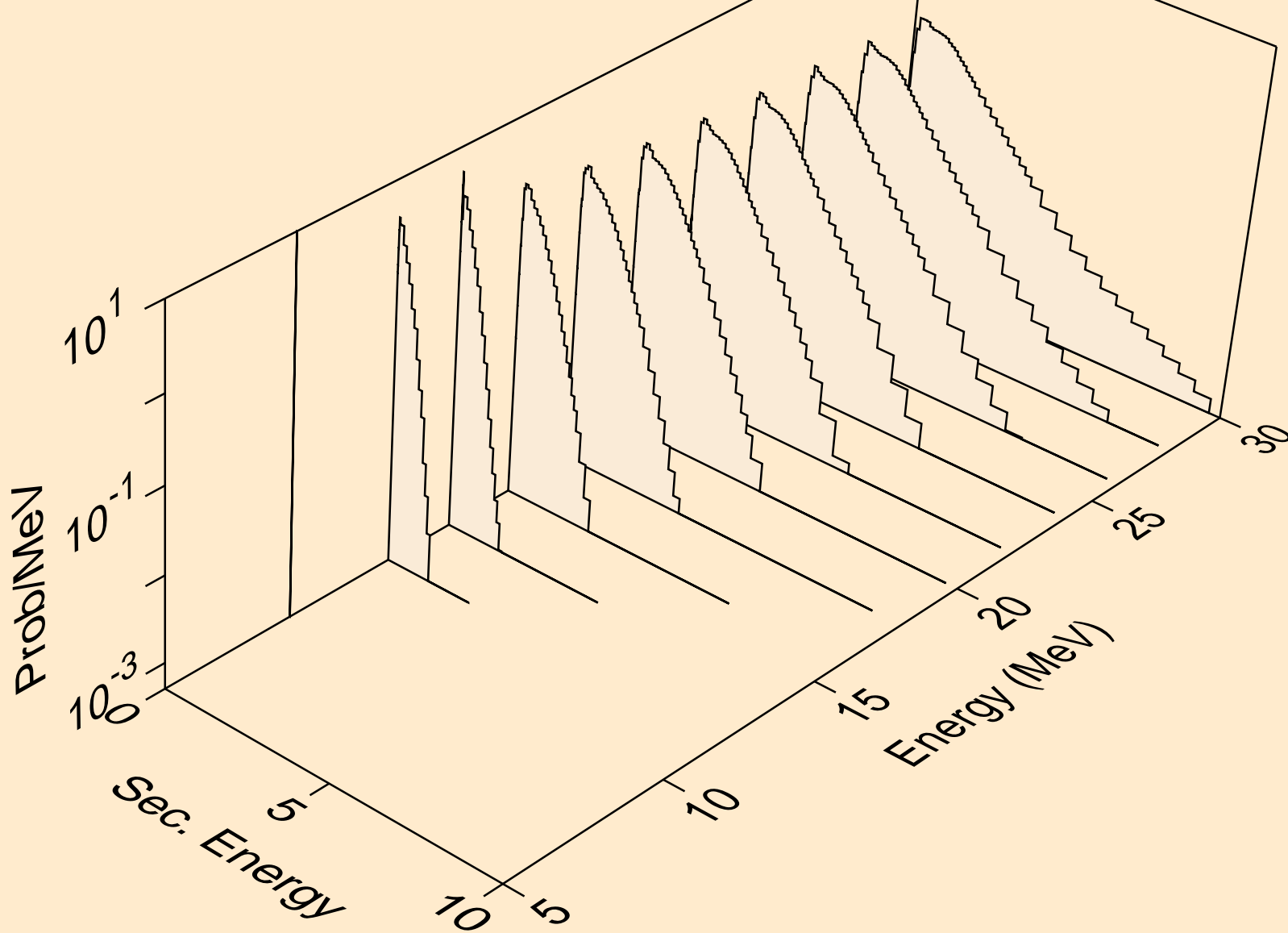


ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,4n)

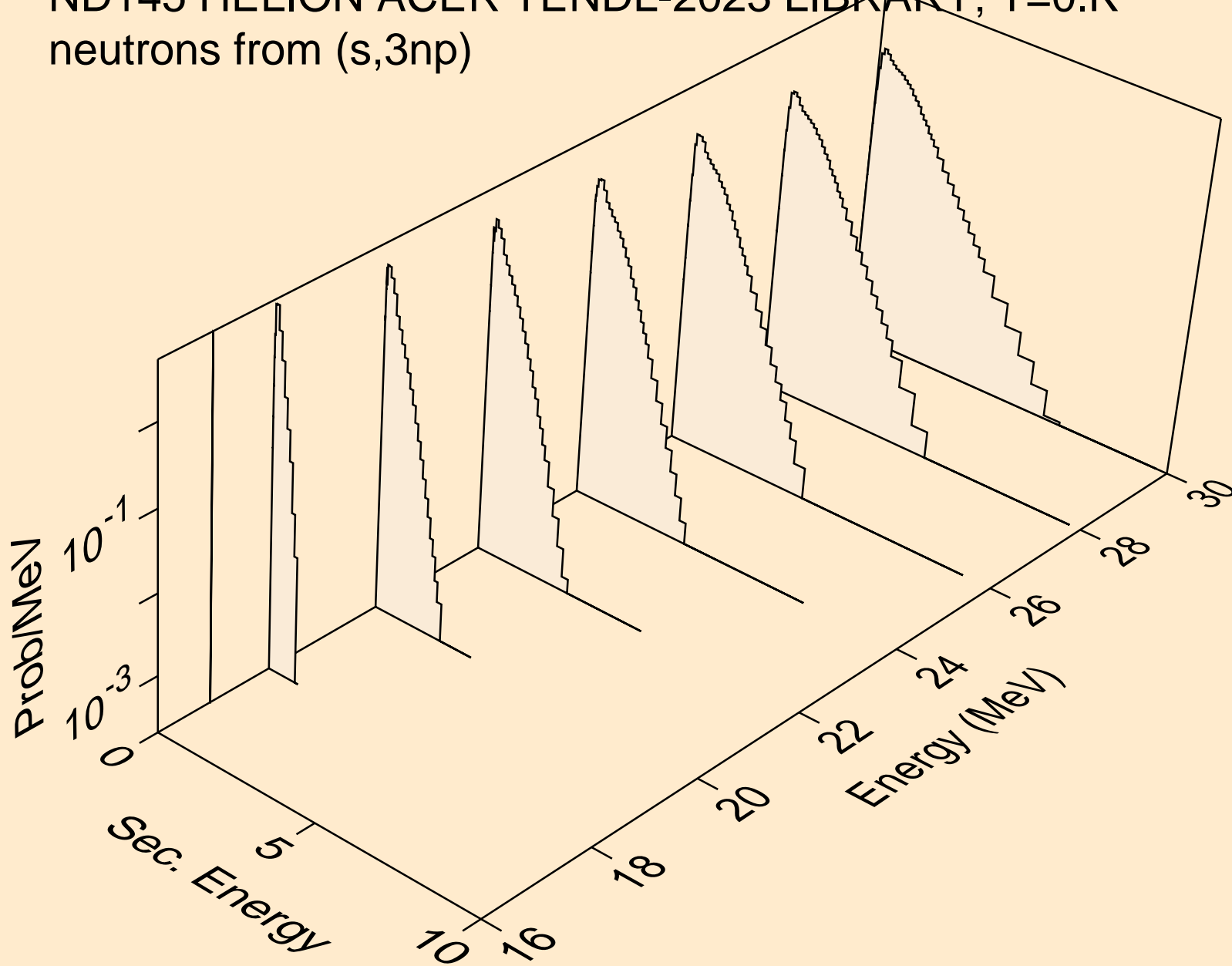




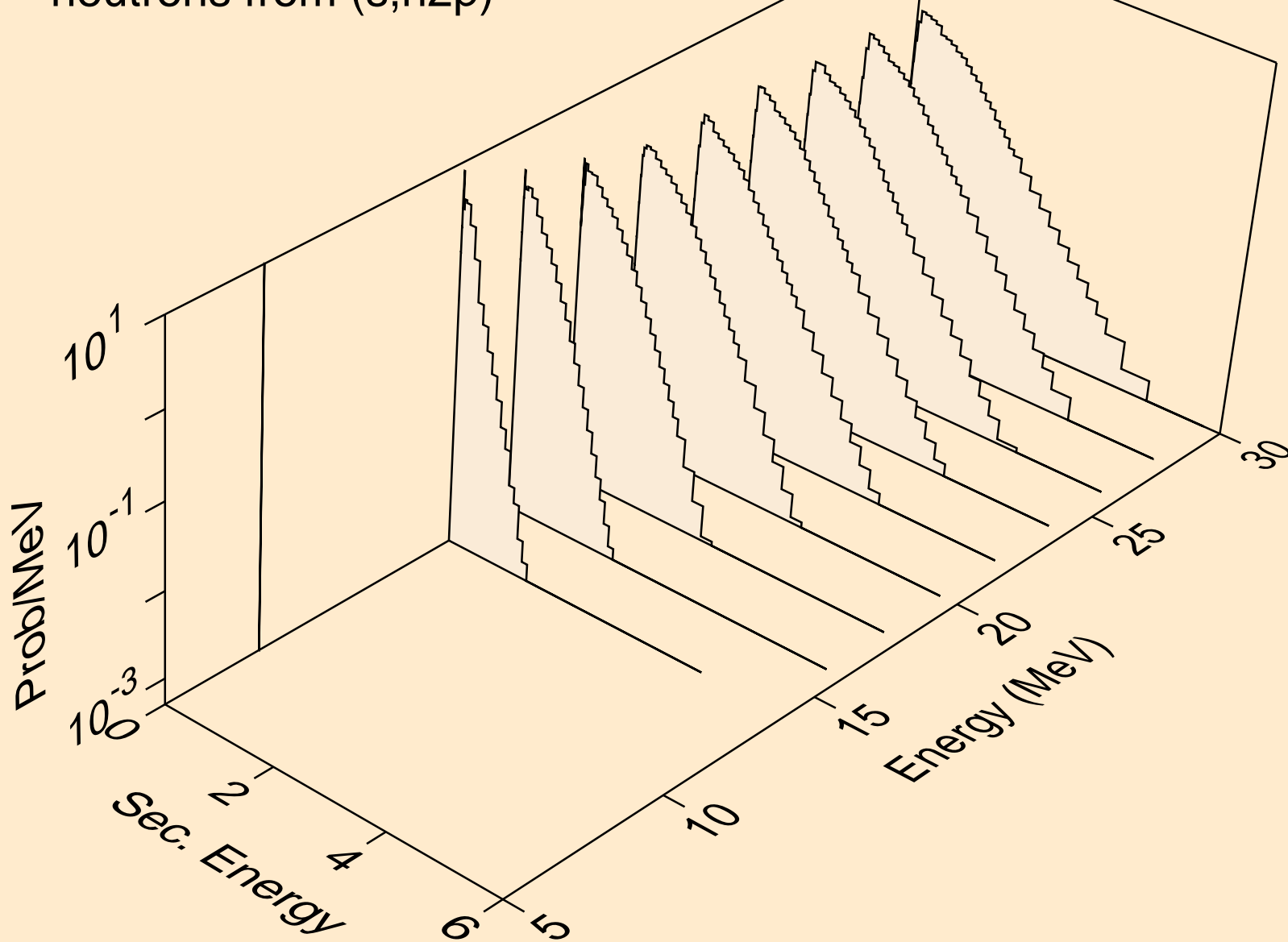
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2np)



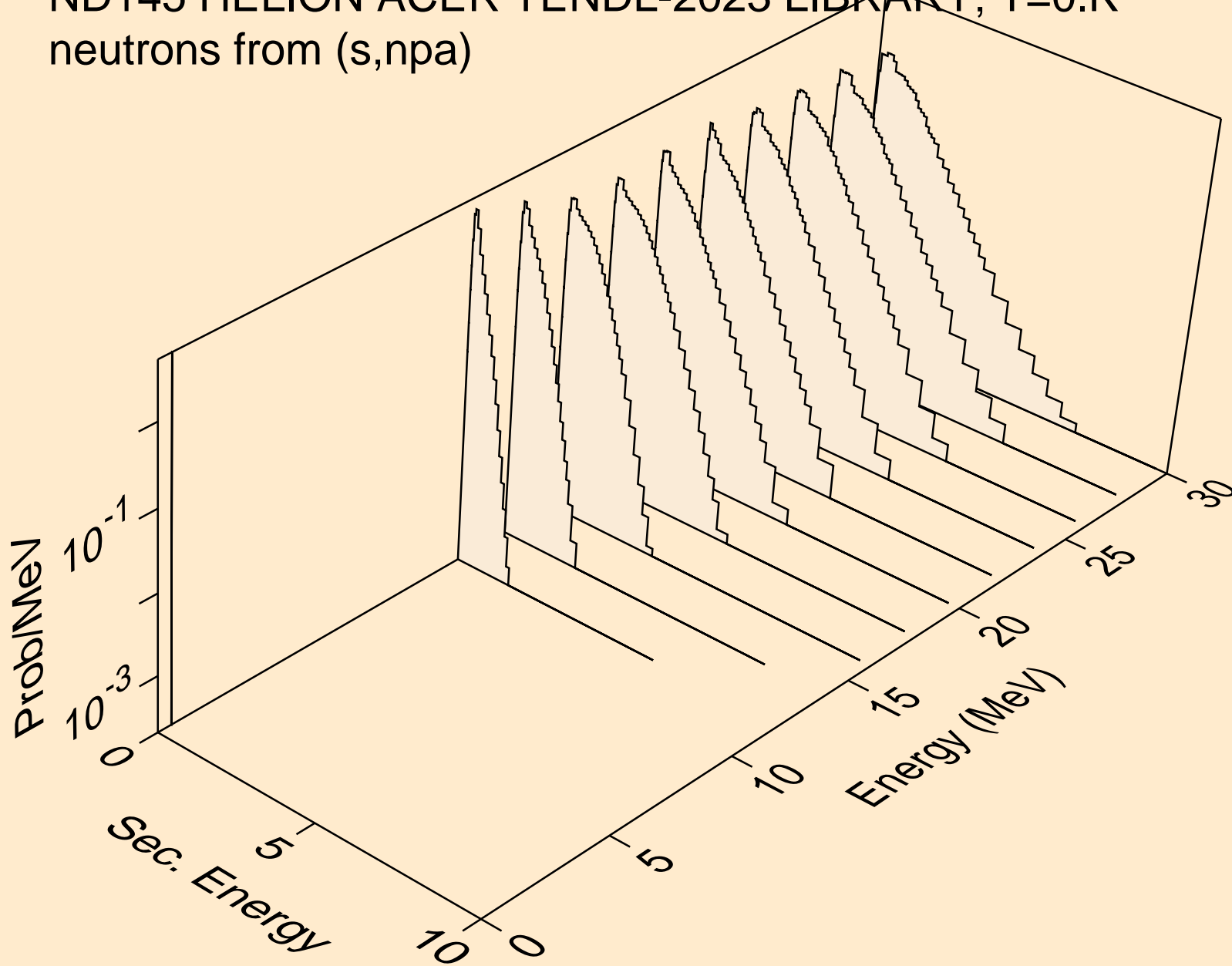
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3np)



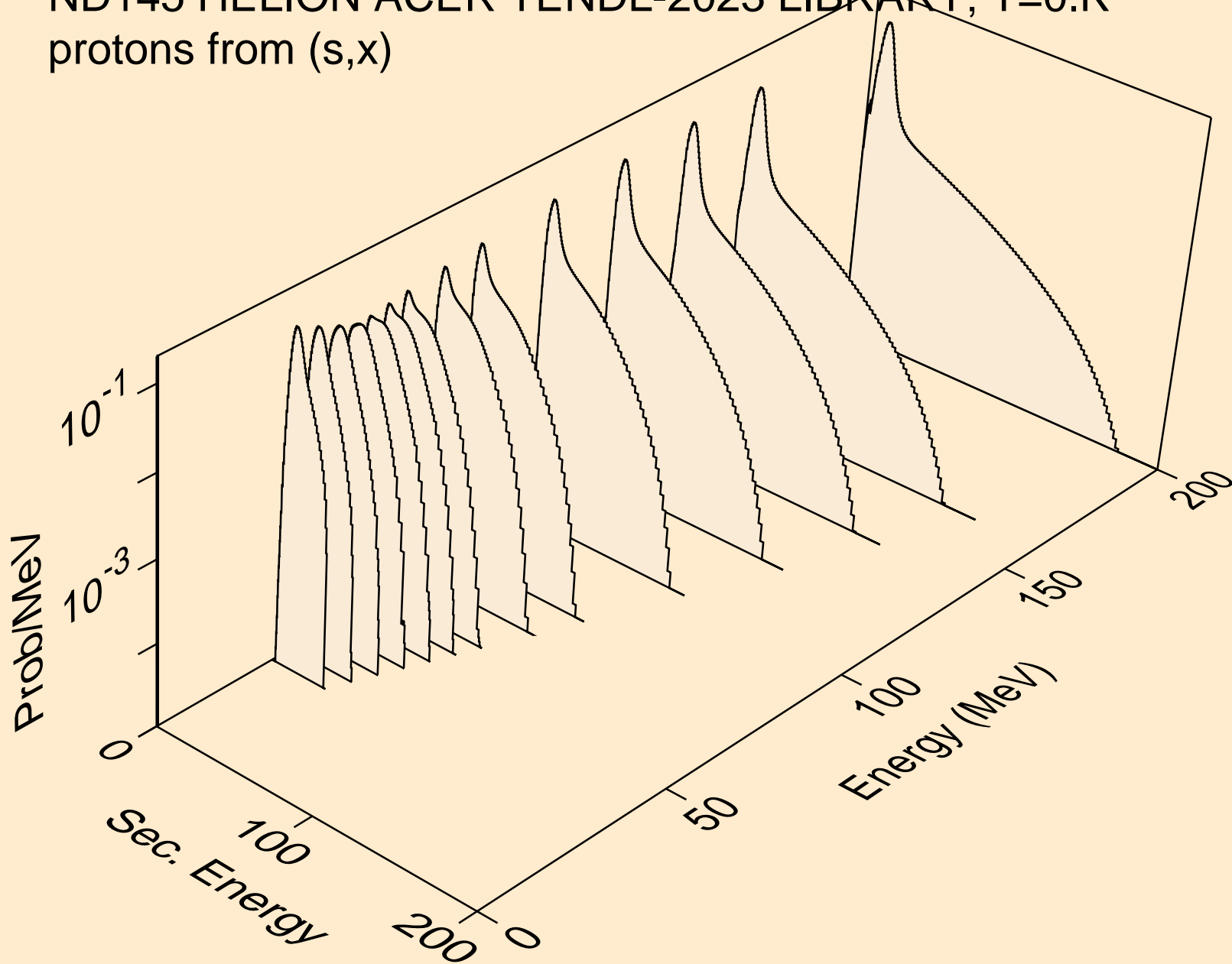
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n2p)



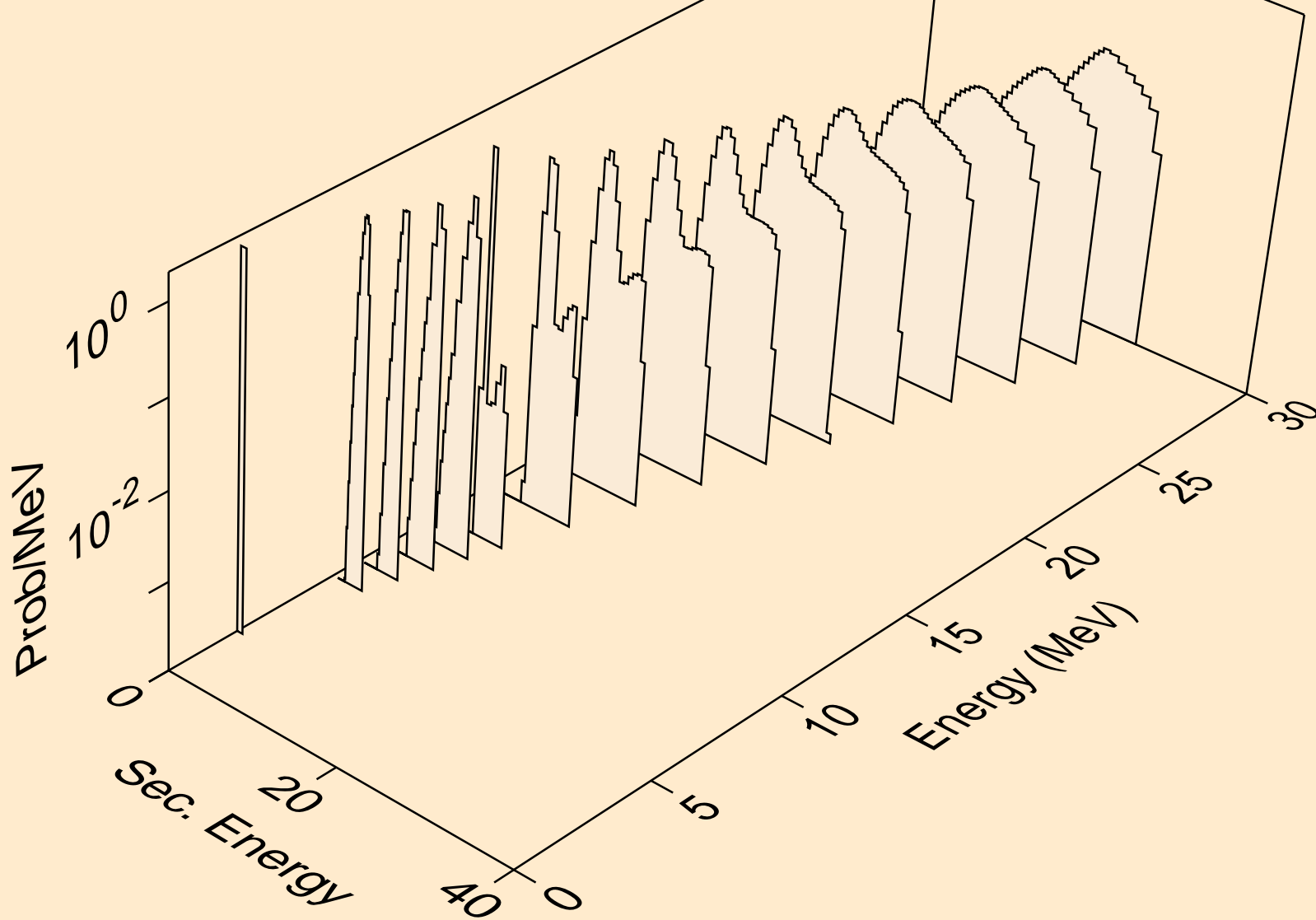
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,npa)



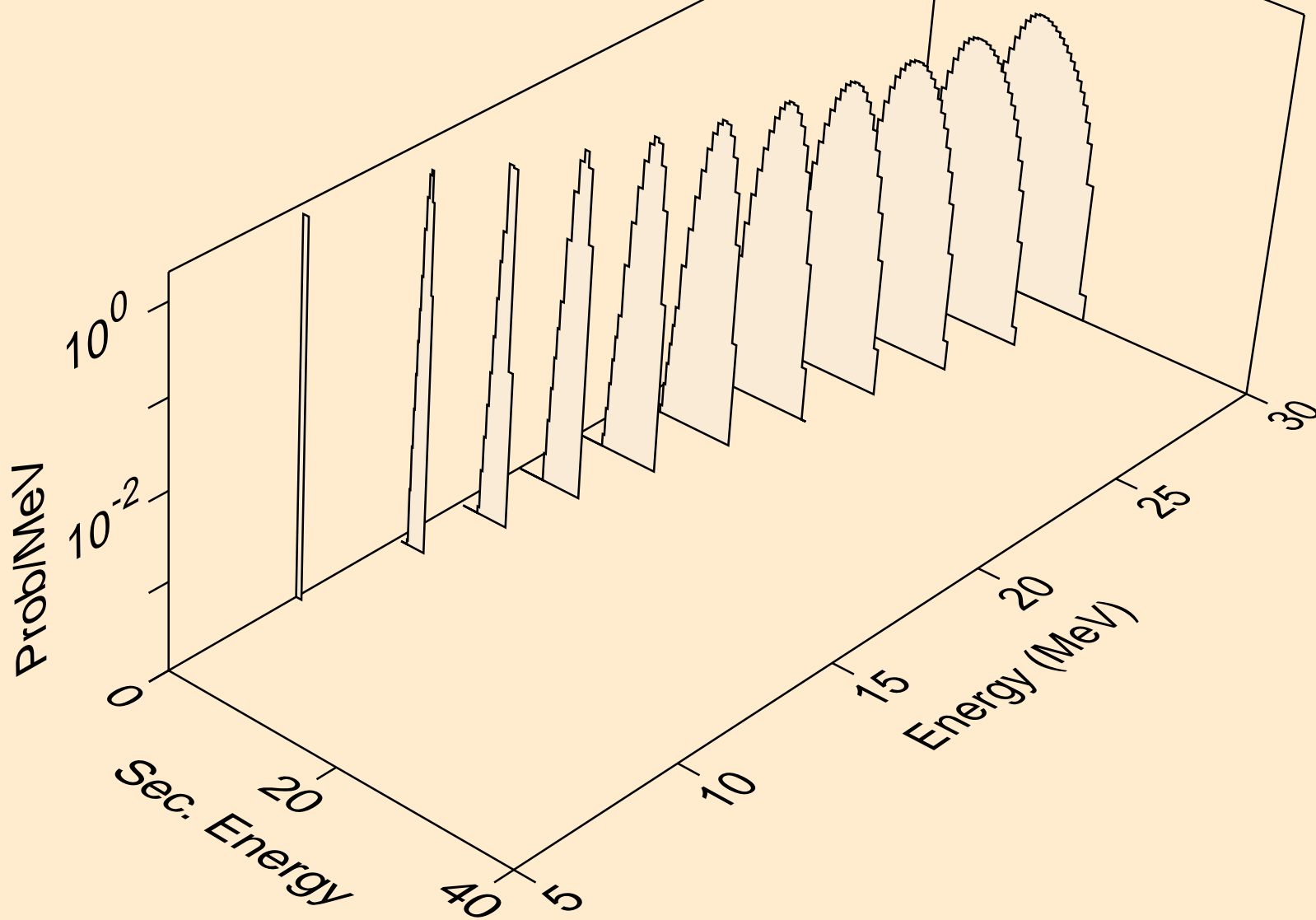
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,x)



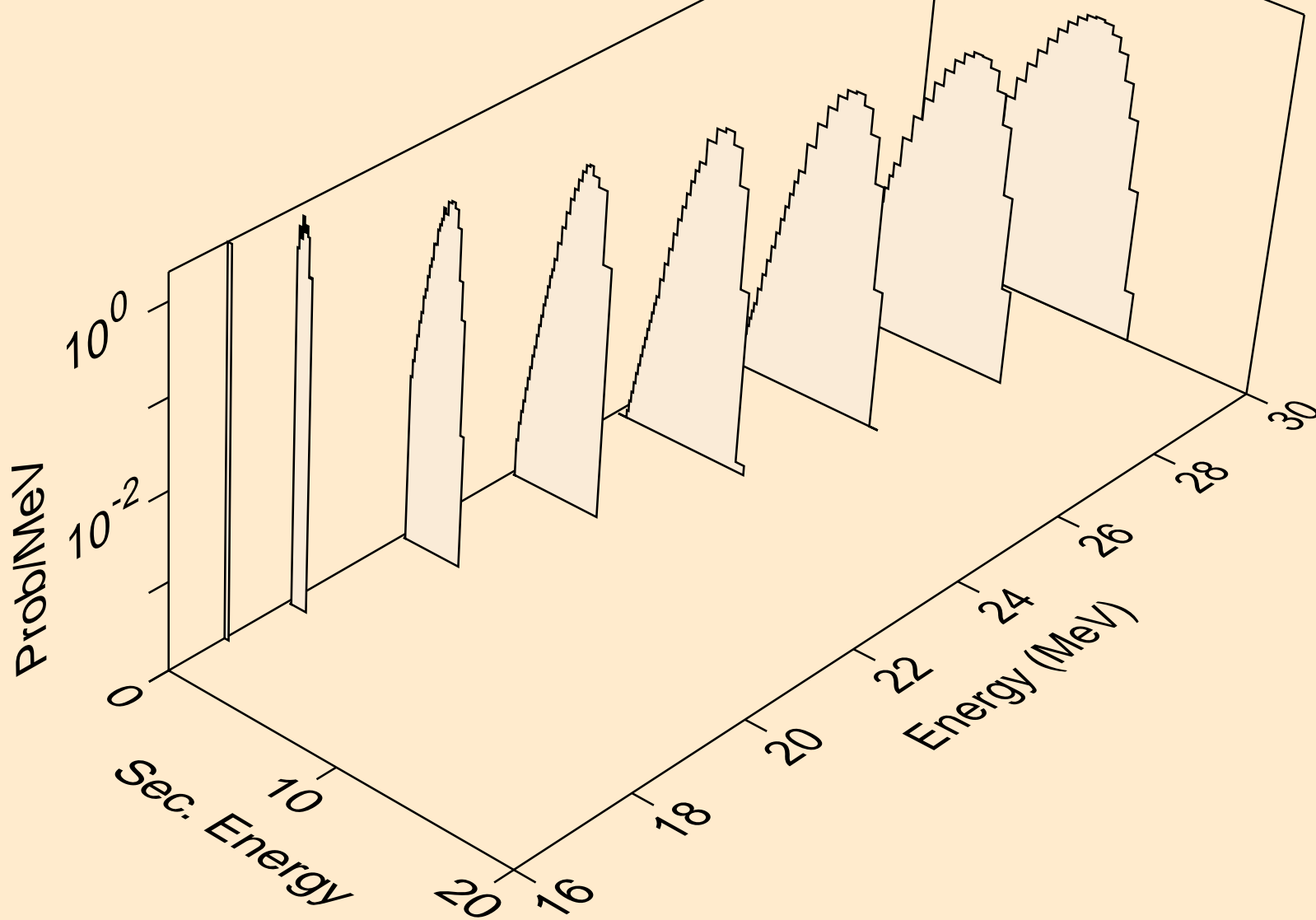
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n\*)p



ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,2np)

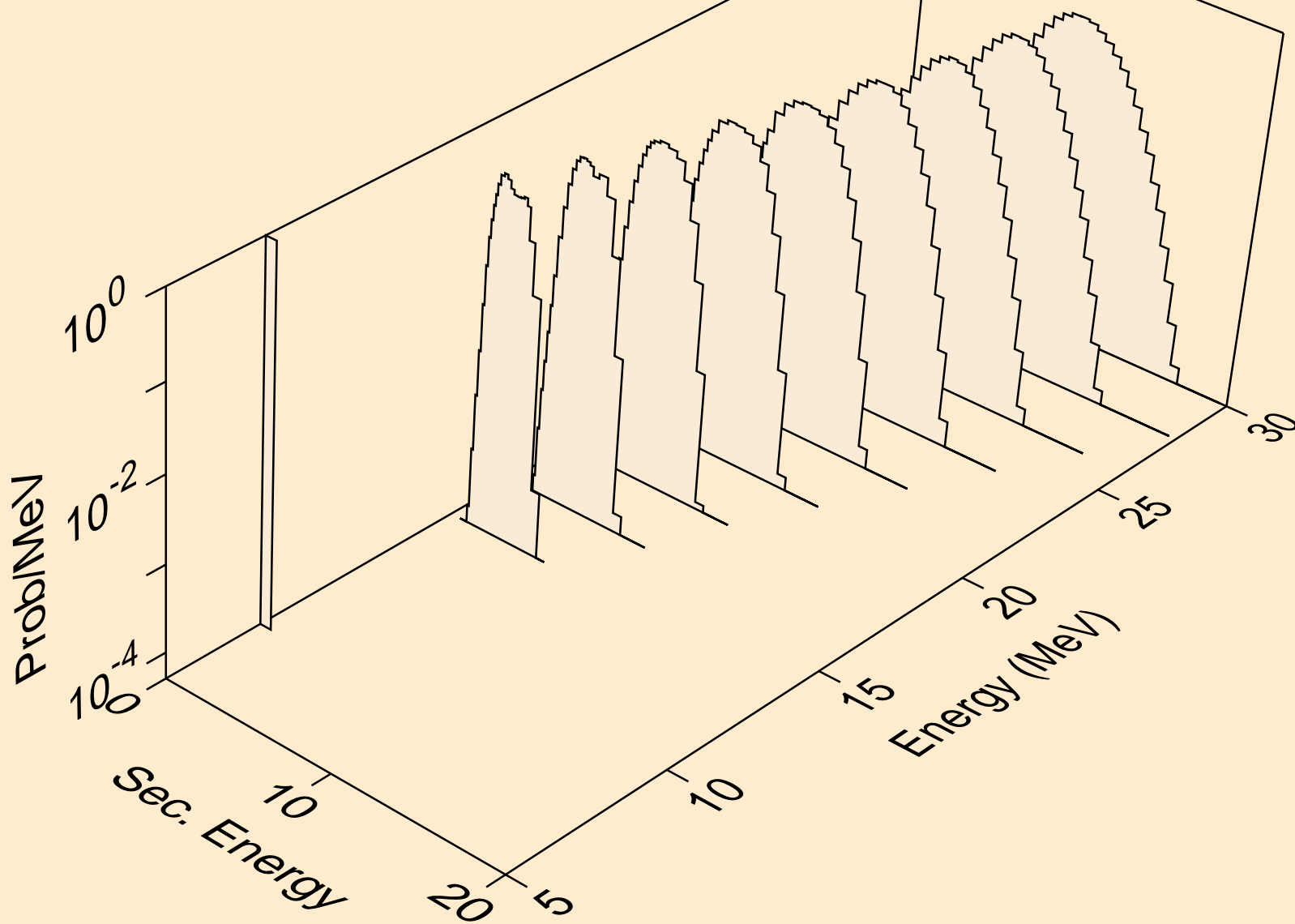


ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,3np)

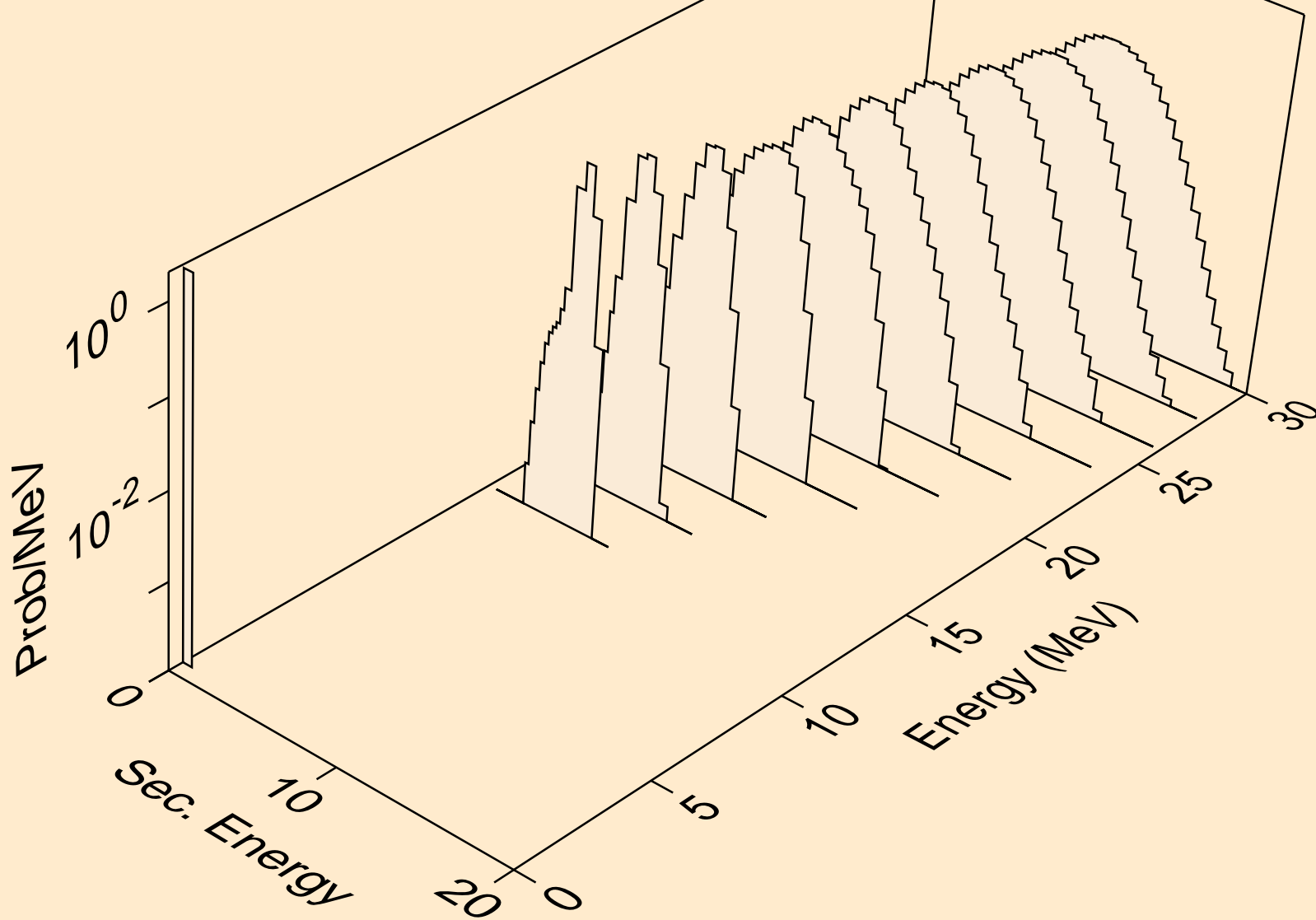




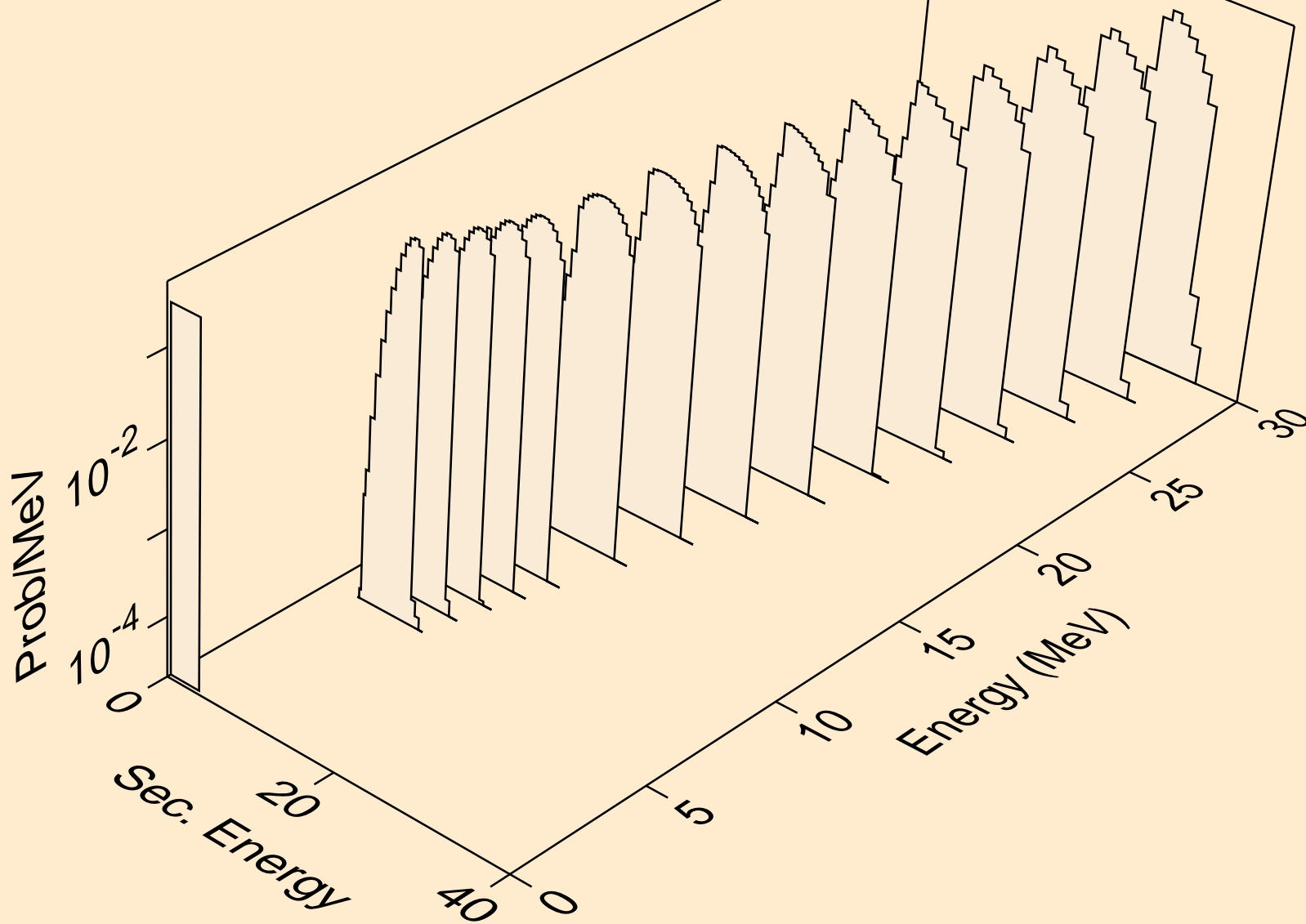
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n2p)



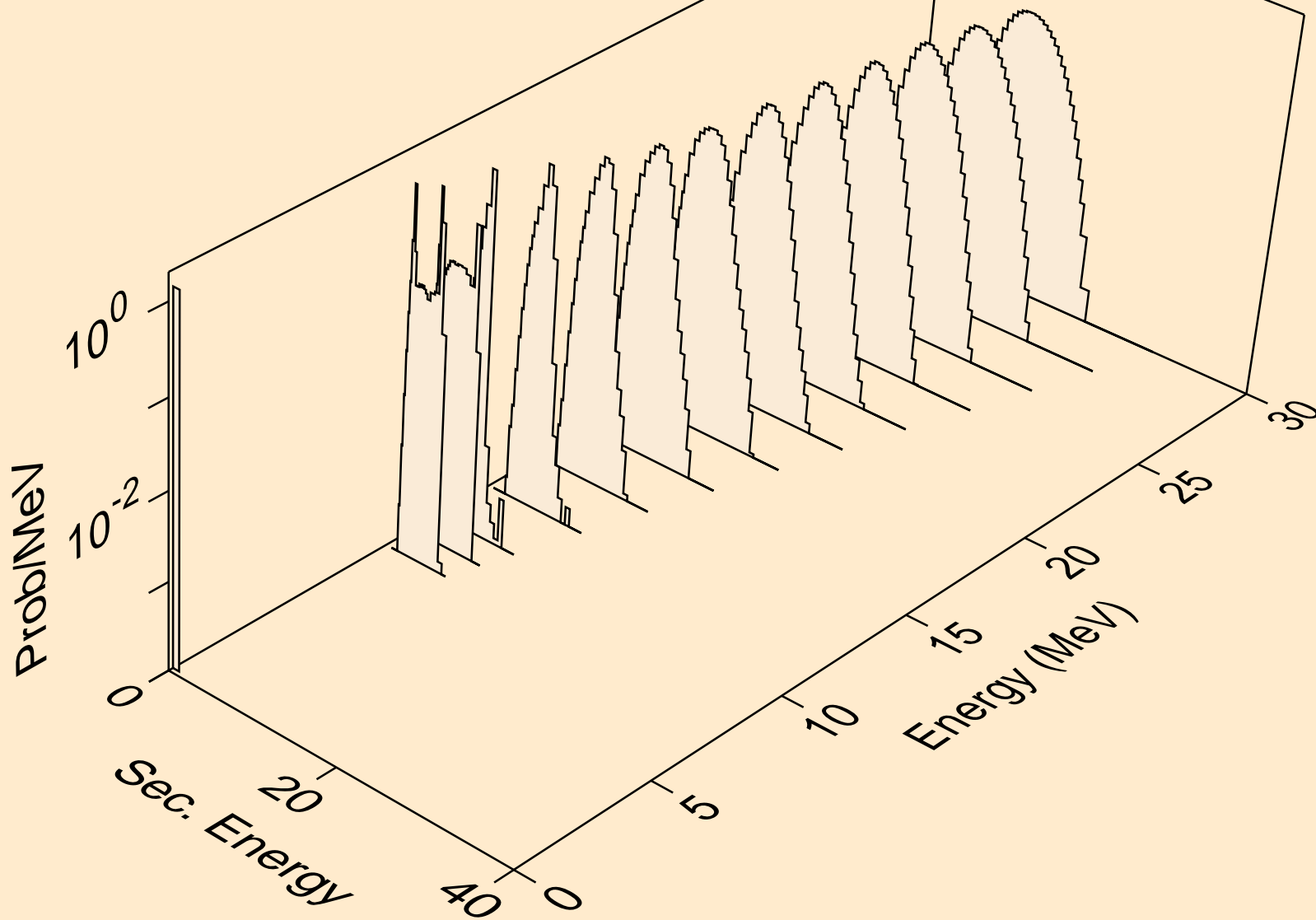
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,npa)



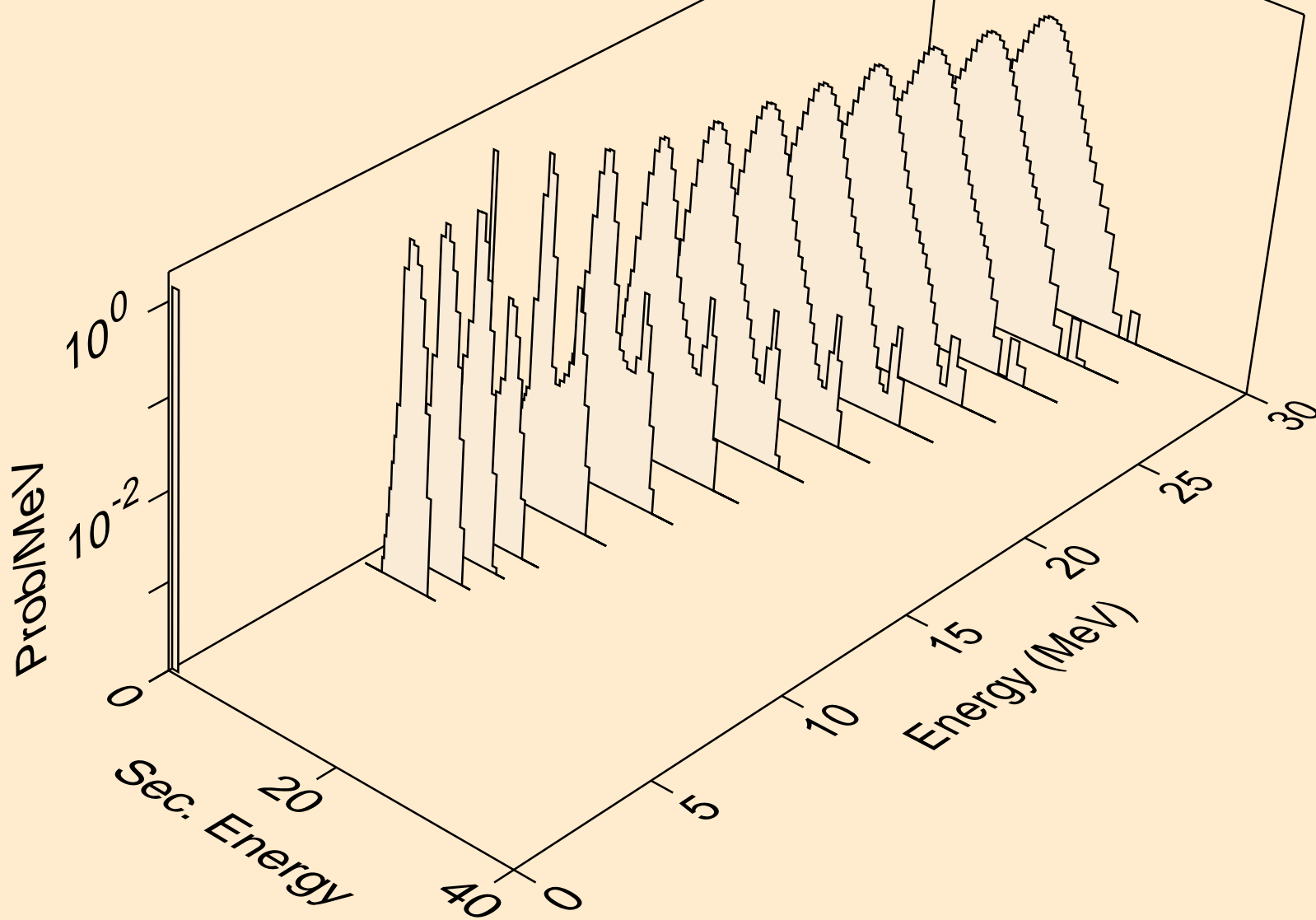
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,p)



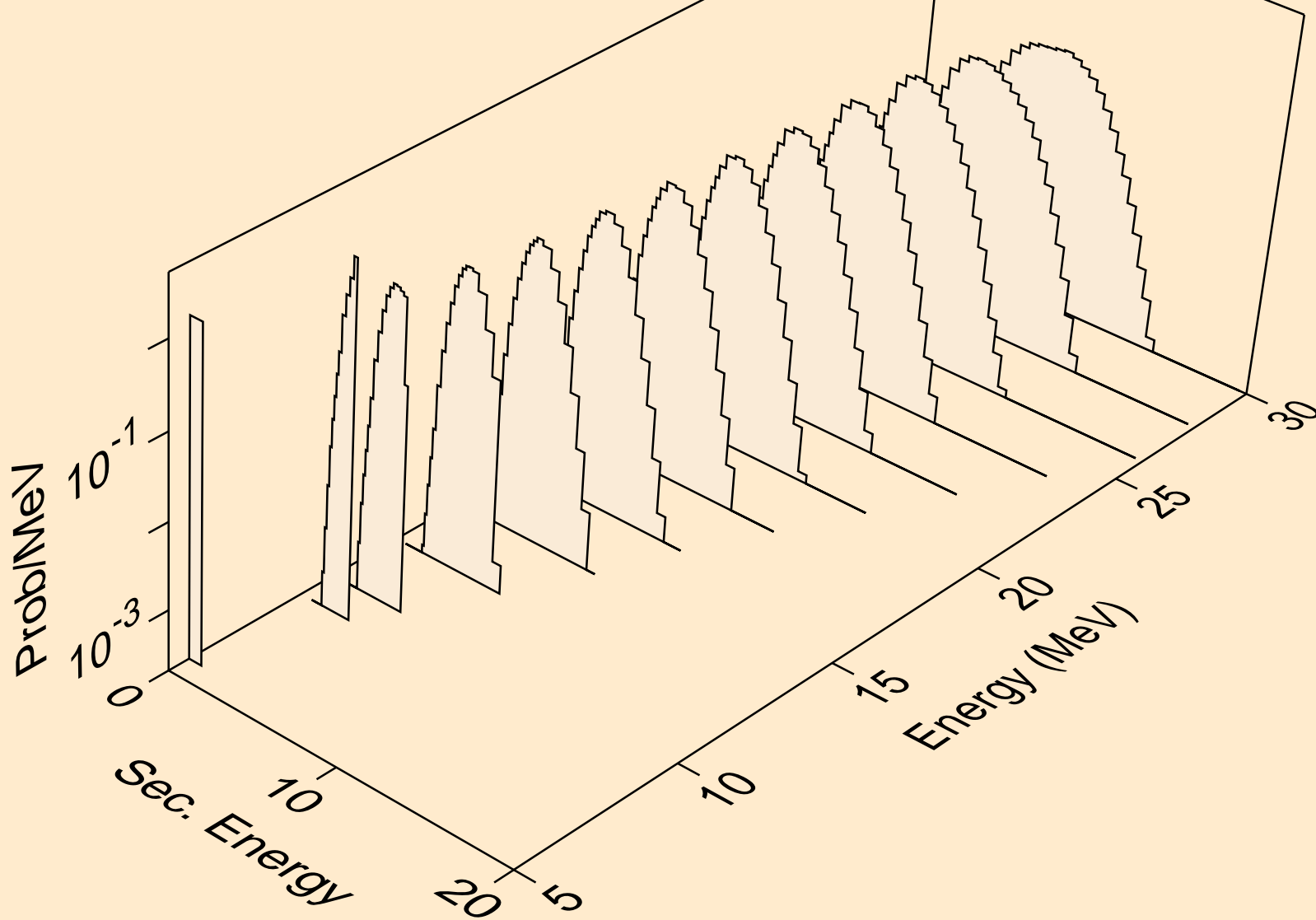
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,2p)



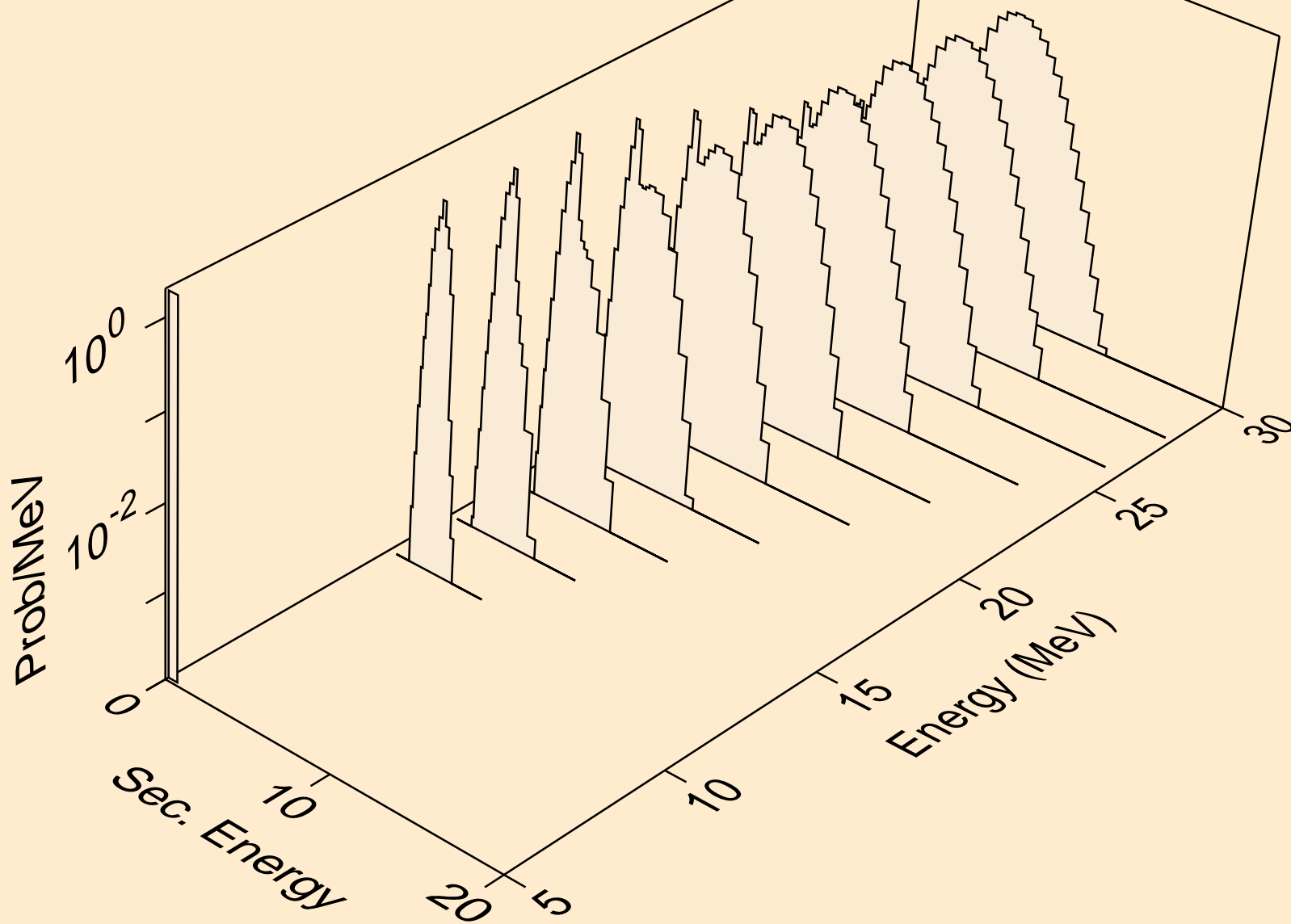
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pa)



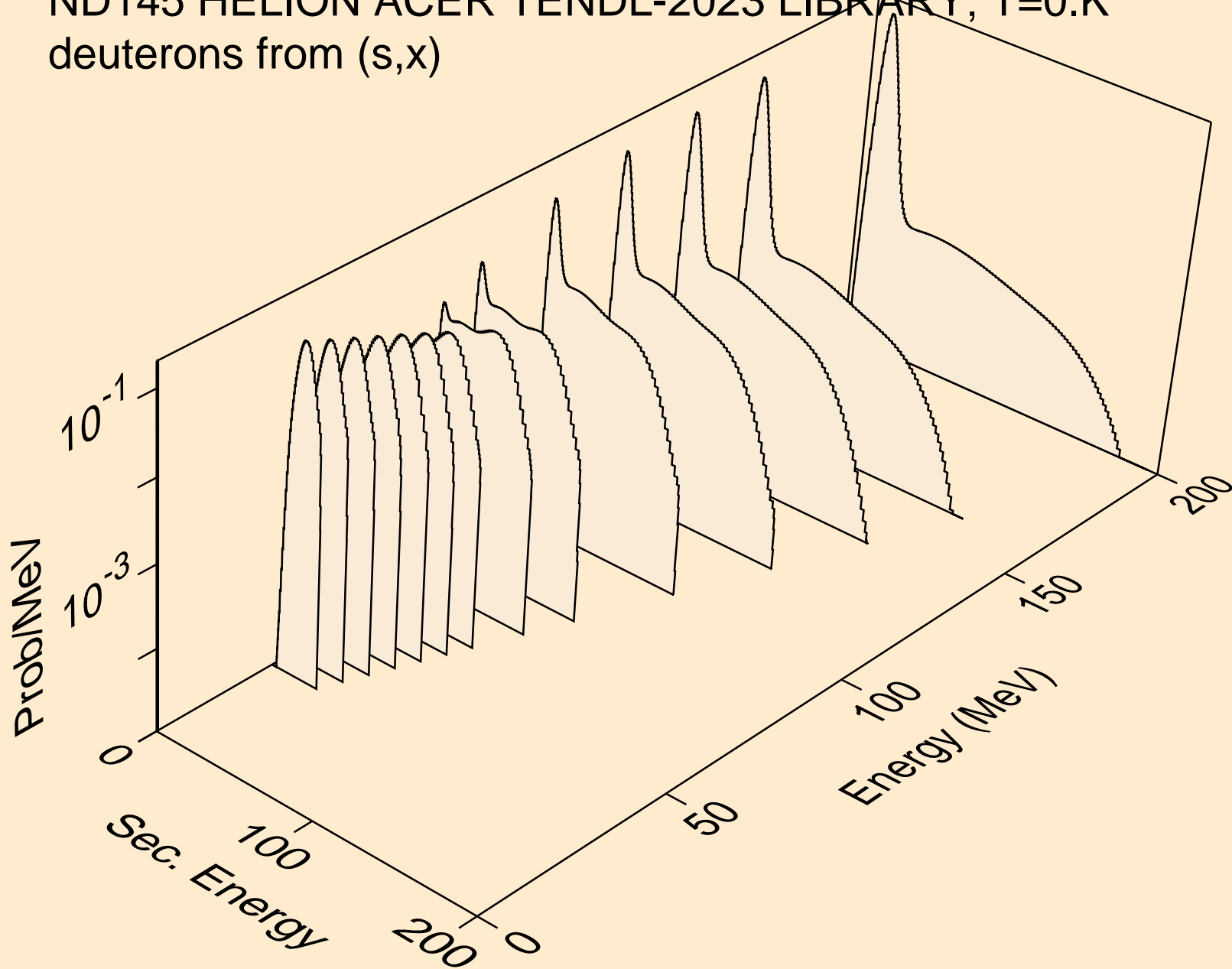
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pd)



ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pt)

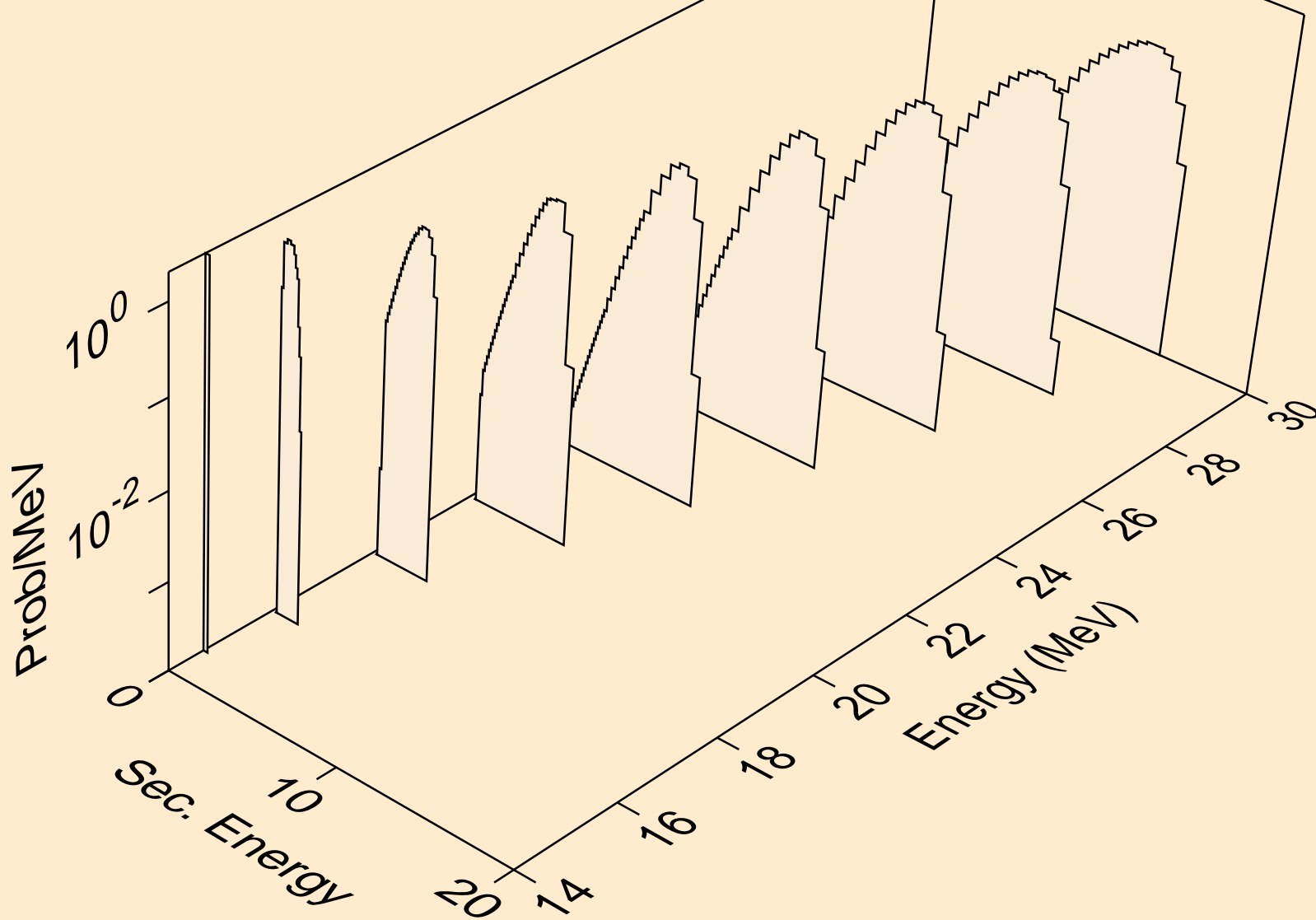


ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,x)

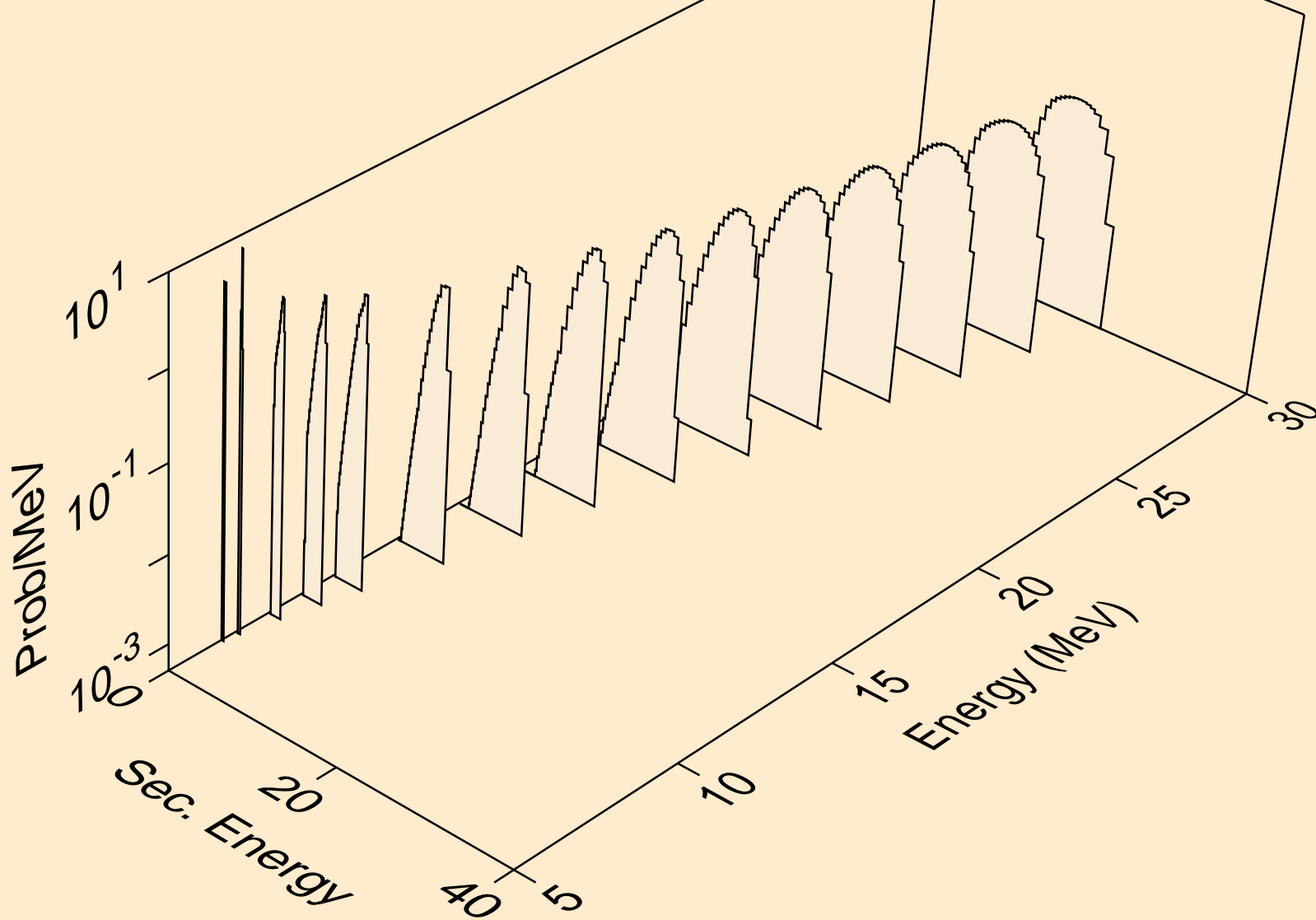




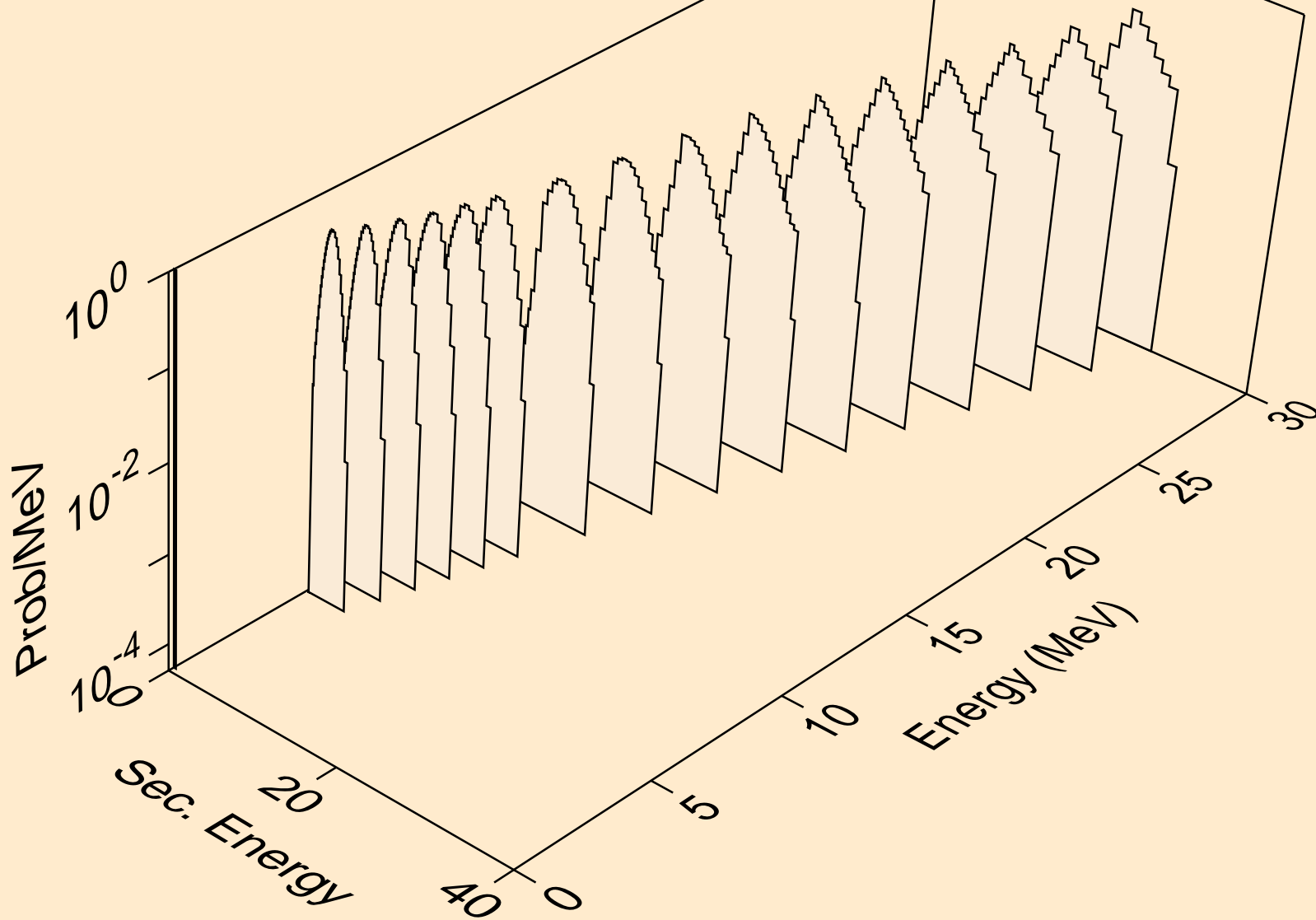
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,2nd)



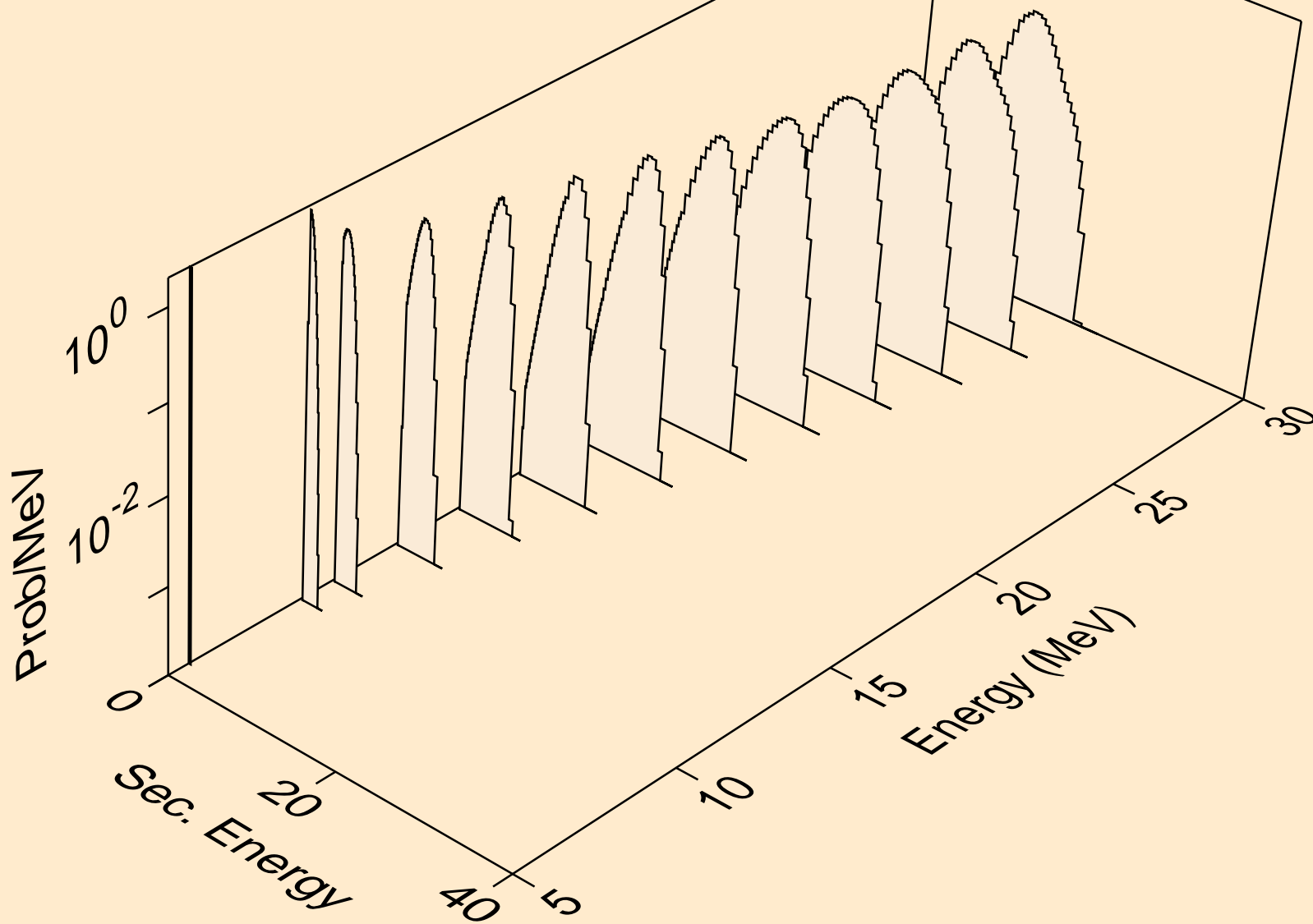
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,n\*)d



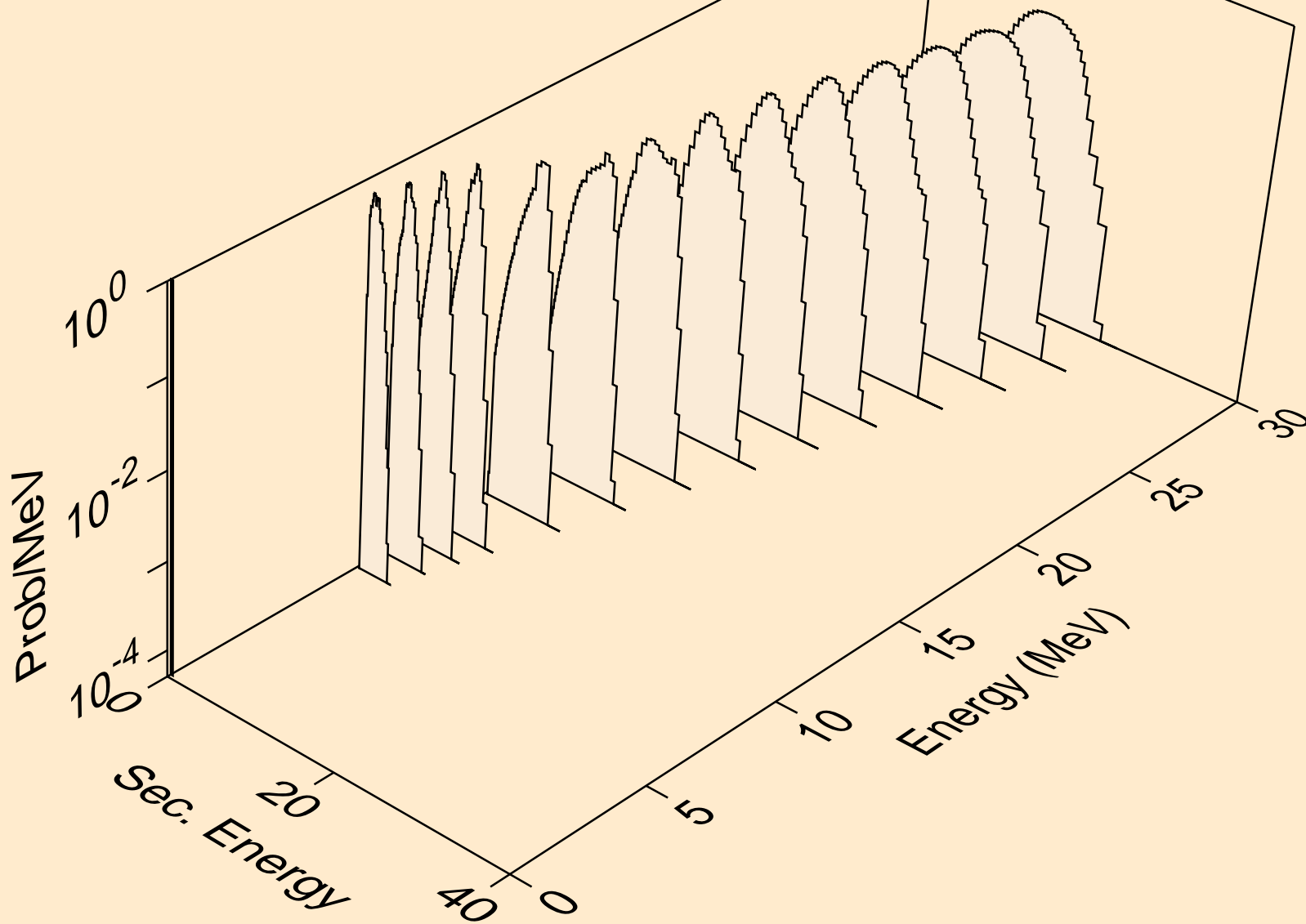
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,d)



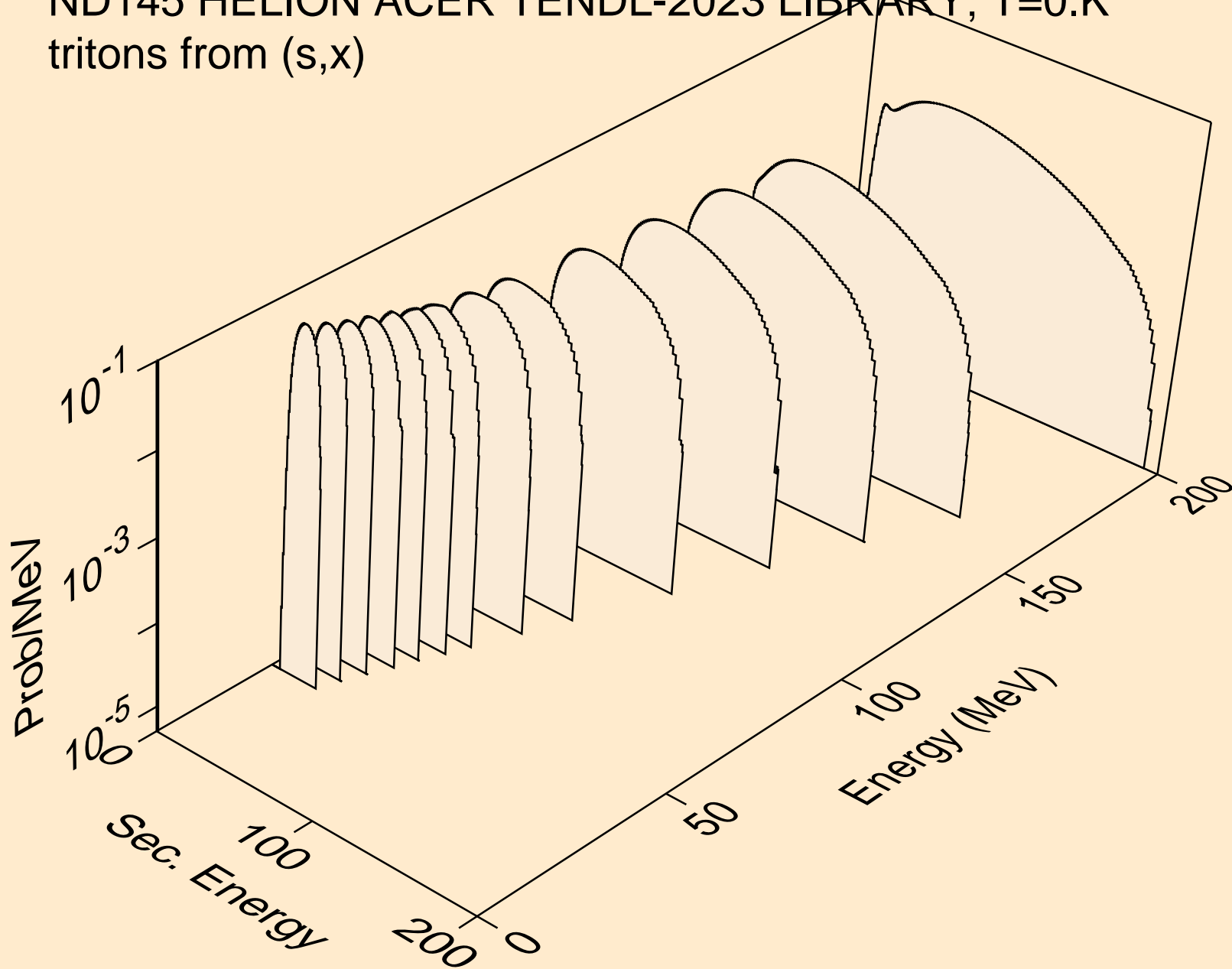
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,pd)



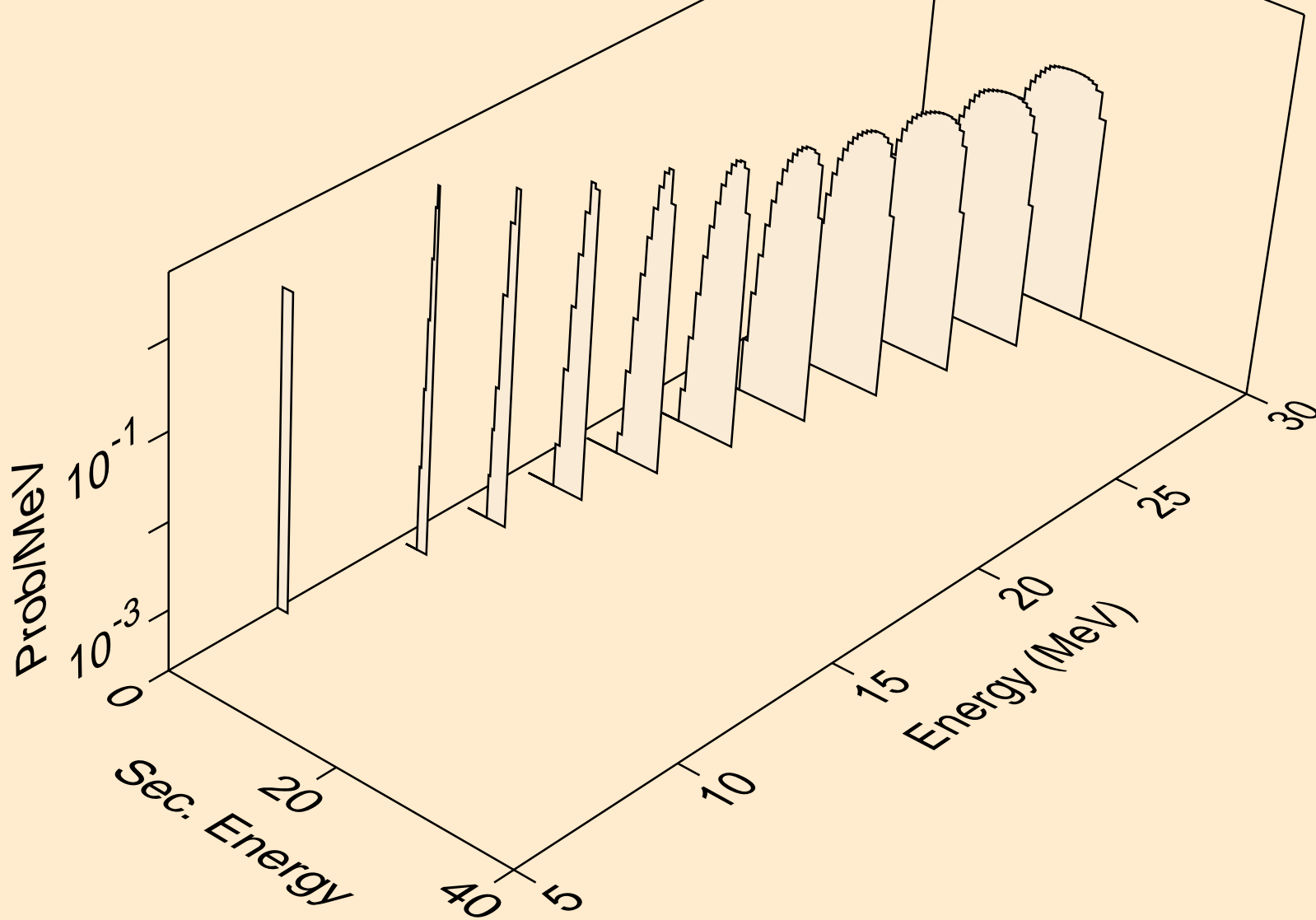
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,da)



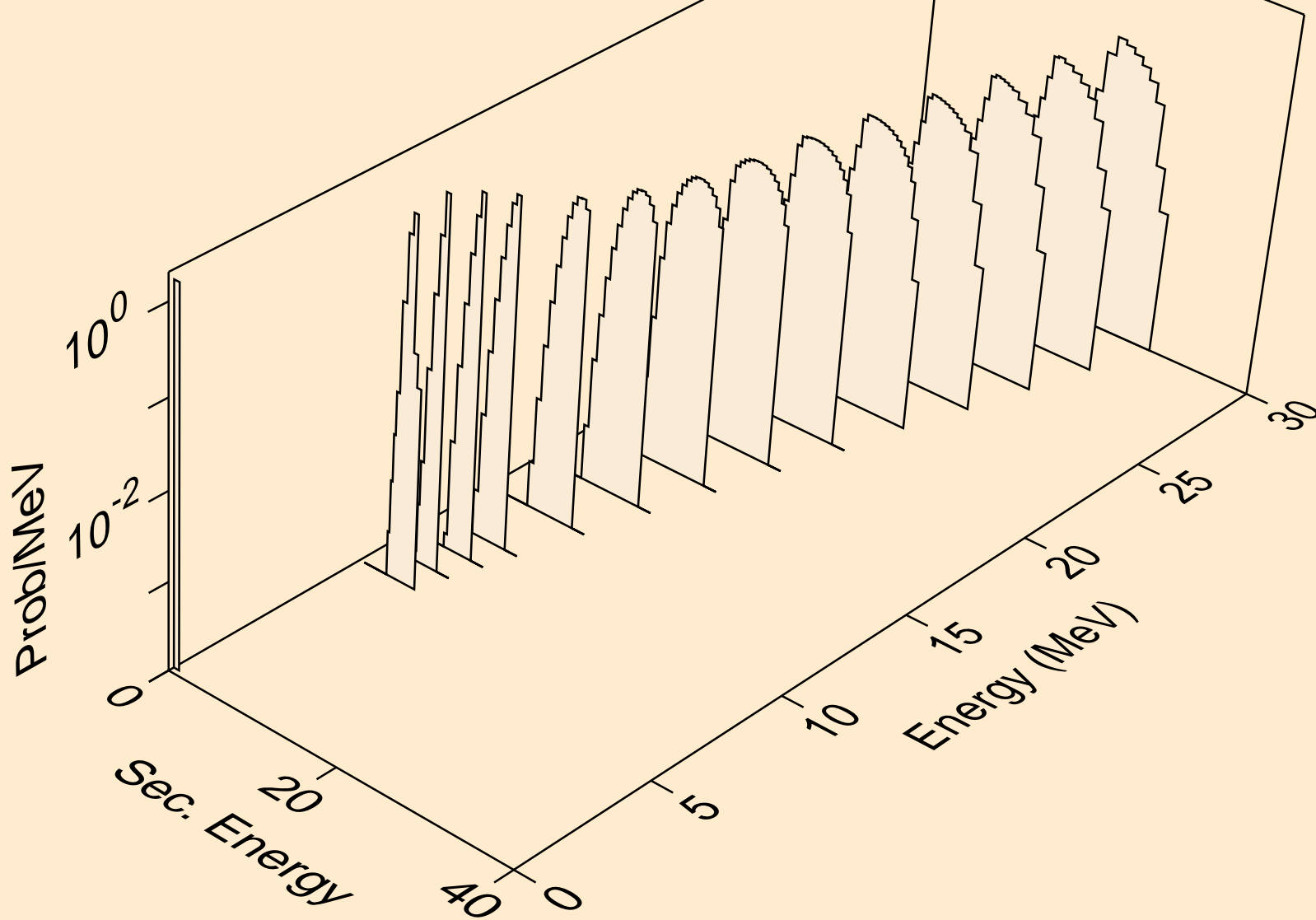
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,x)



ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,n\*)t

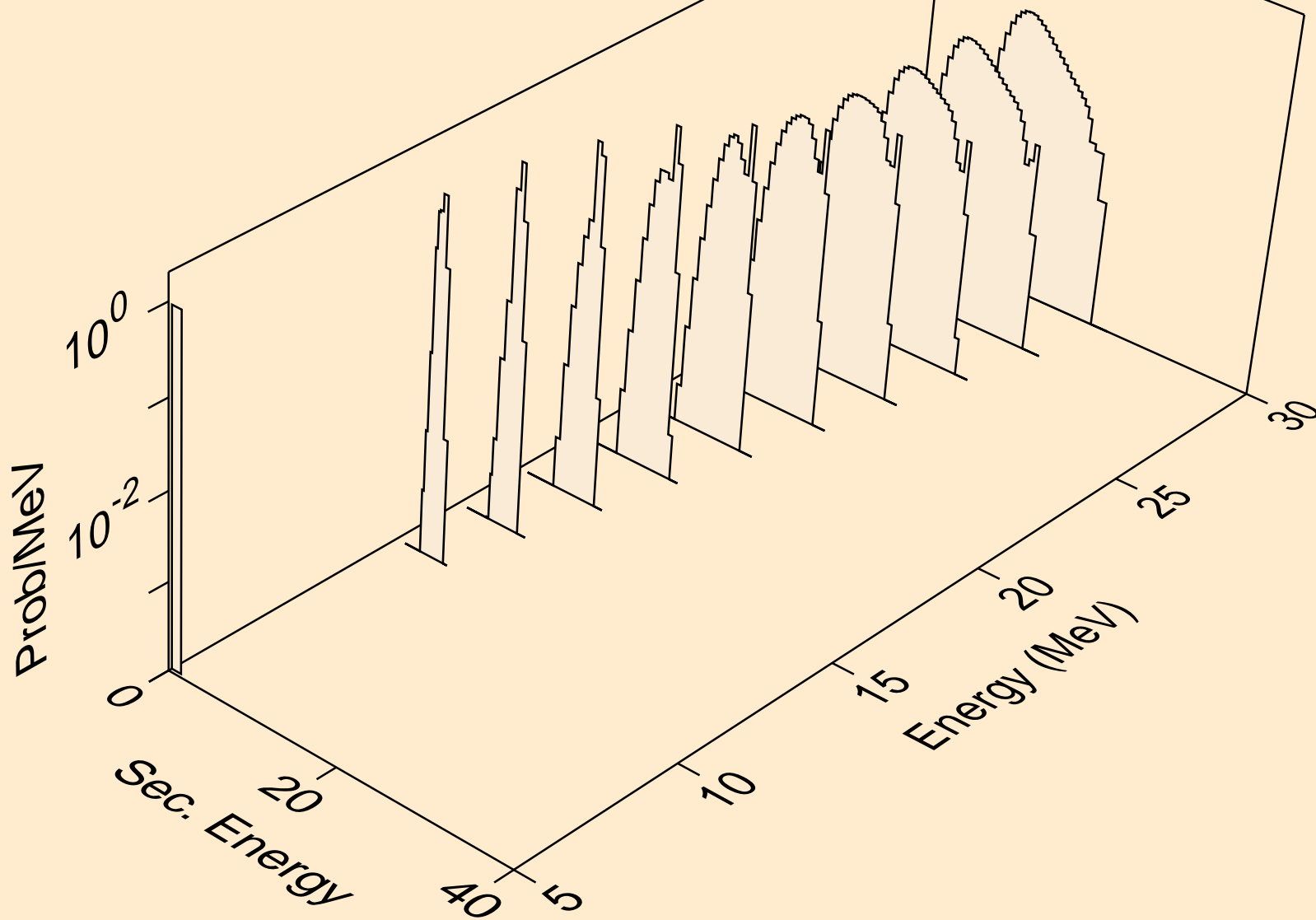


ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,t)

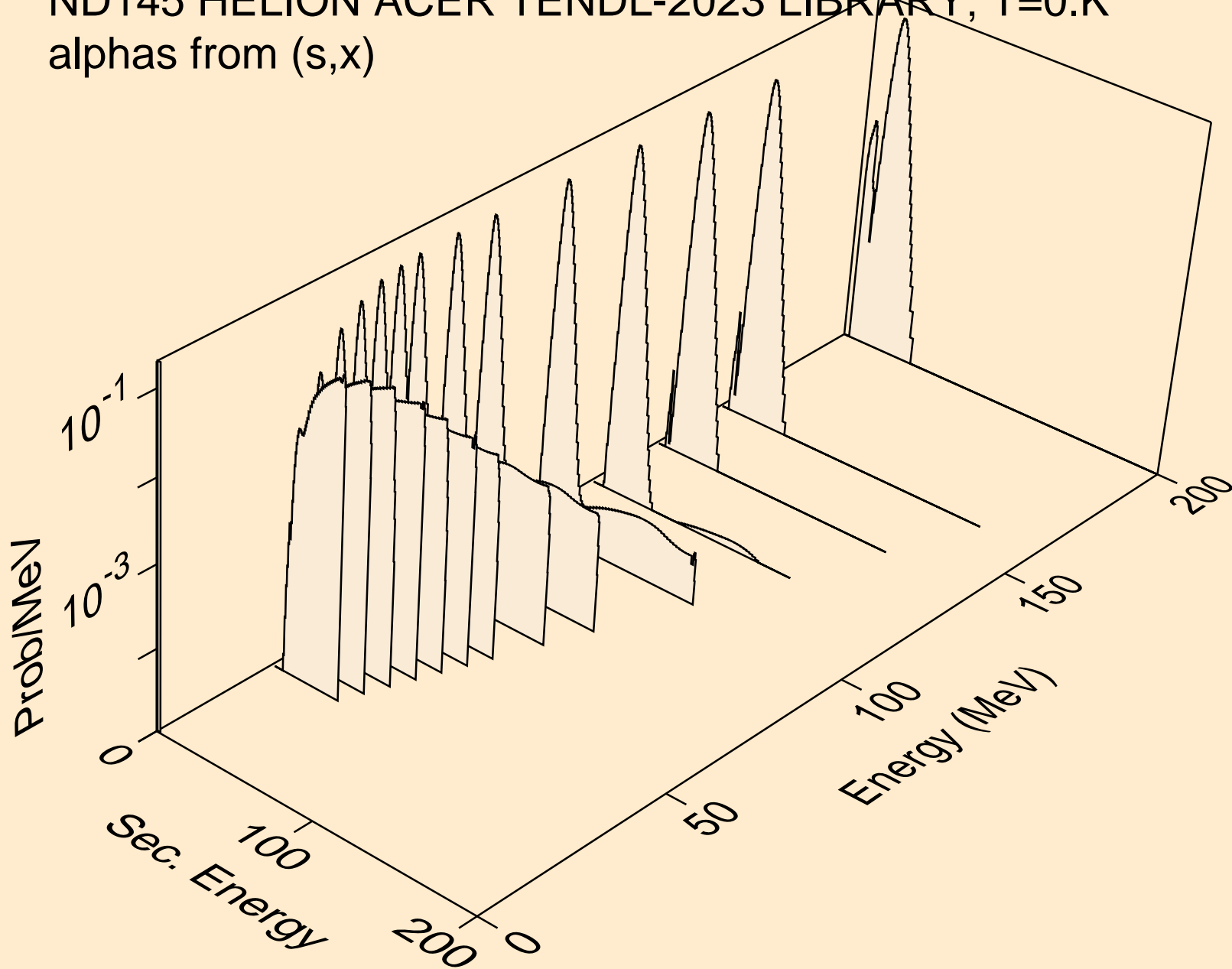




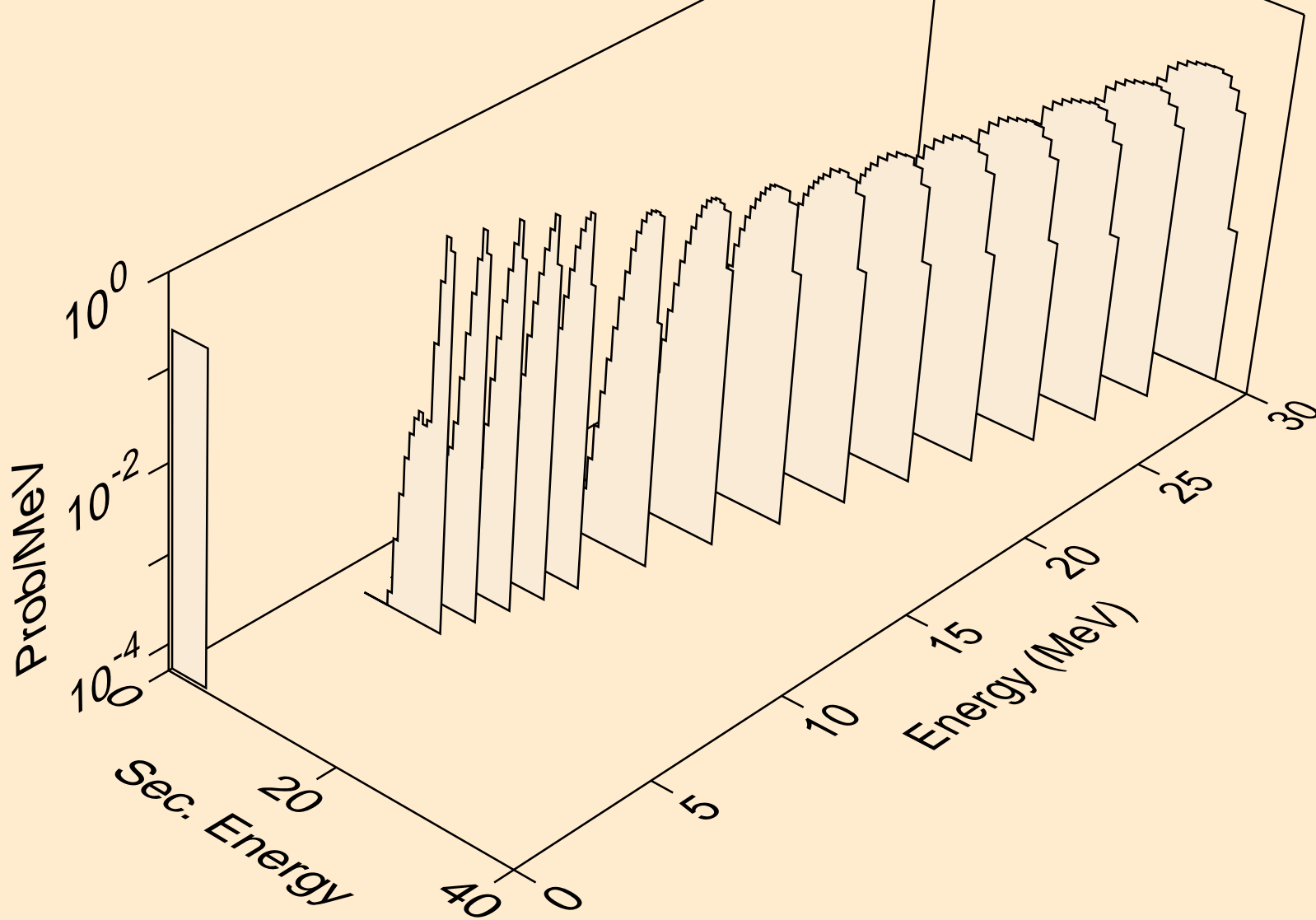
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,pt)



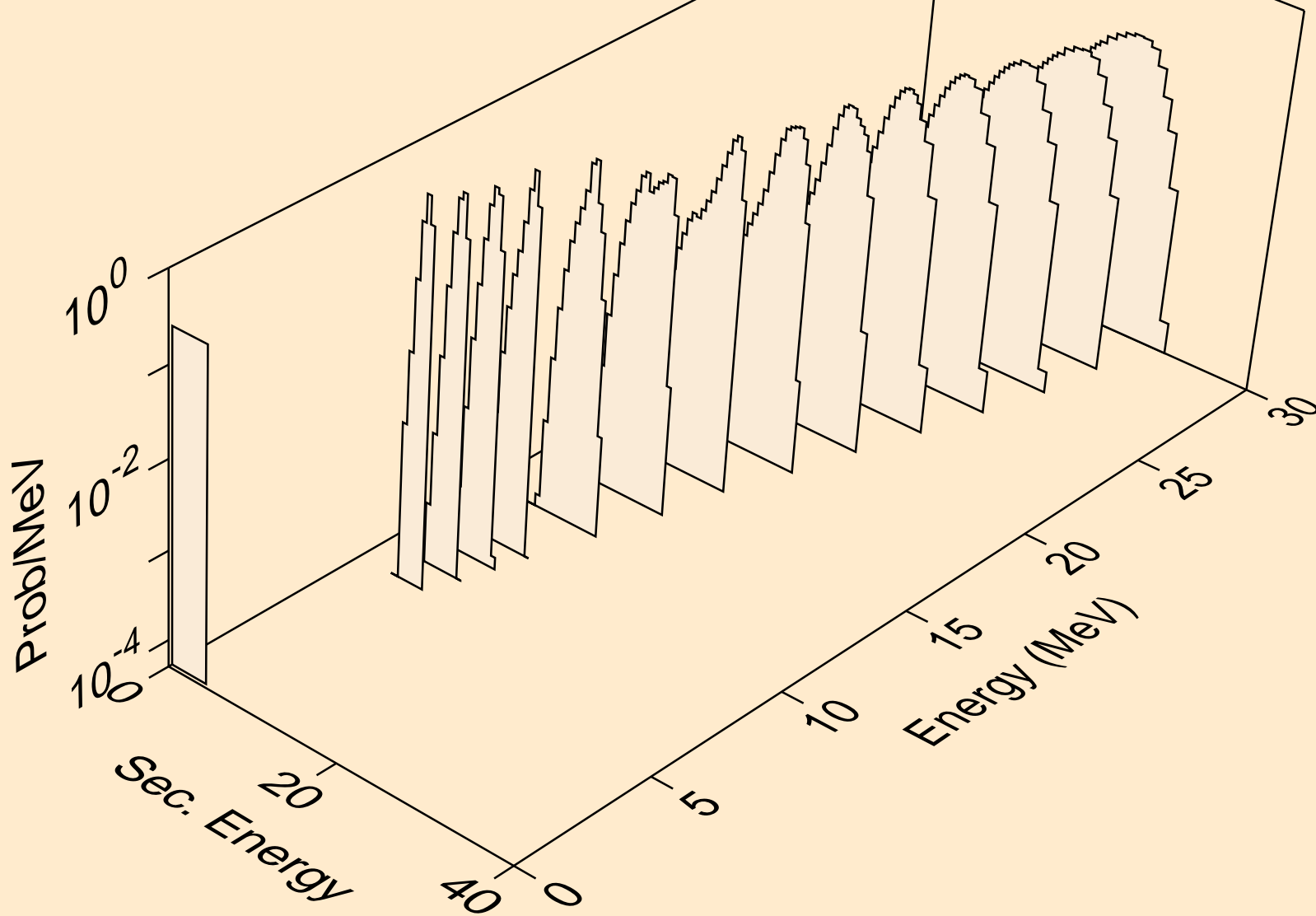
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,x)



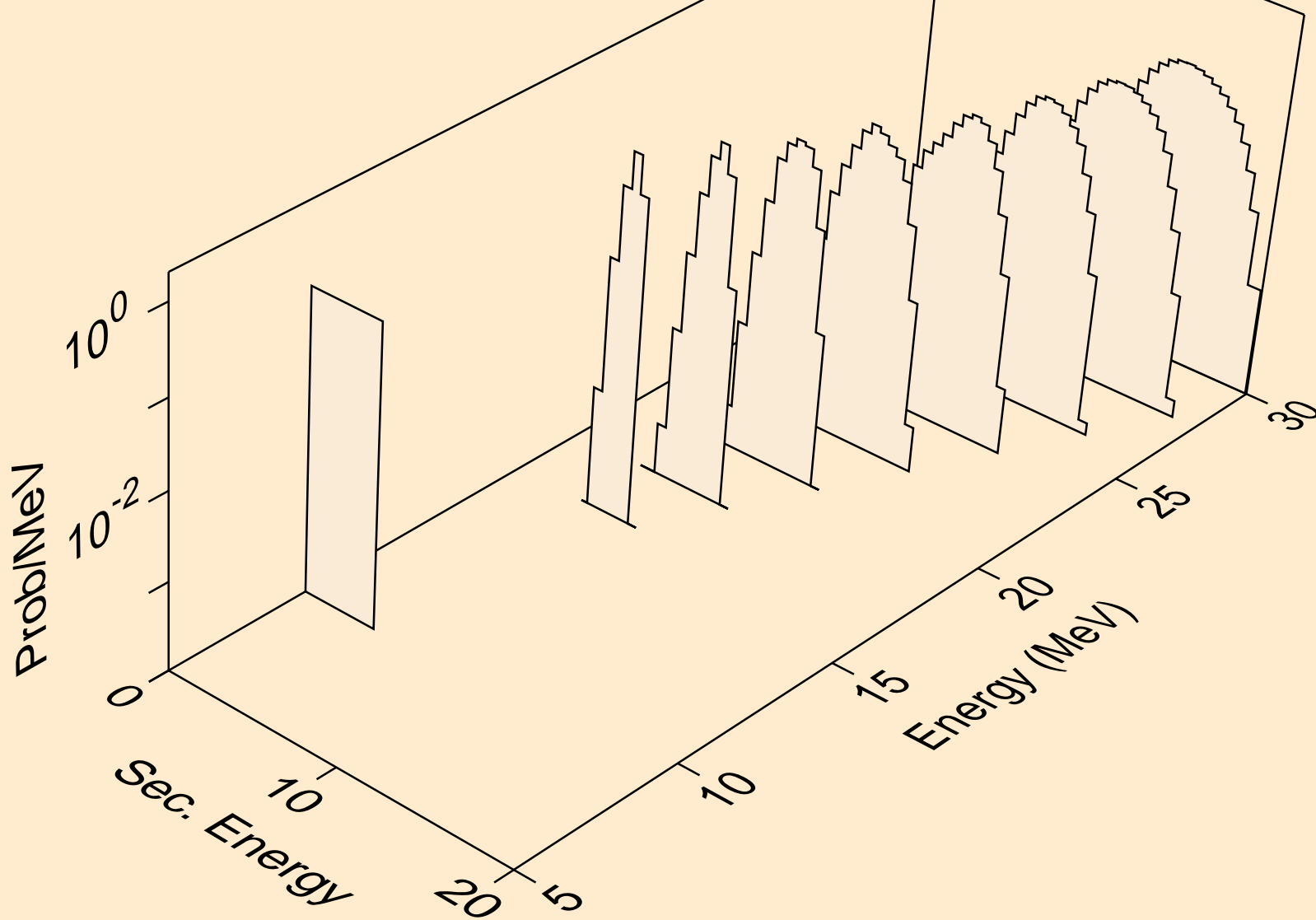
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)a



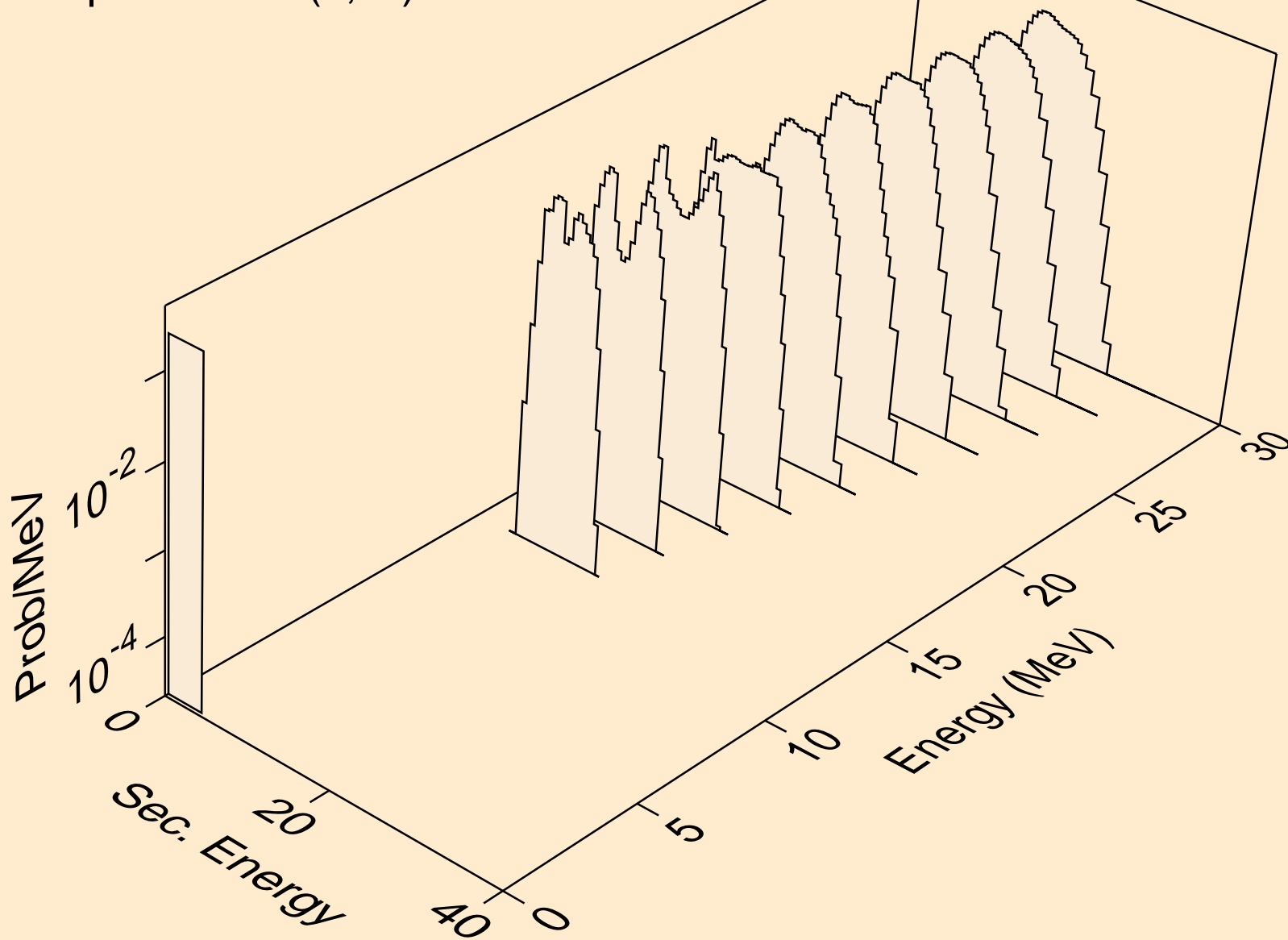
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2n)a



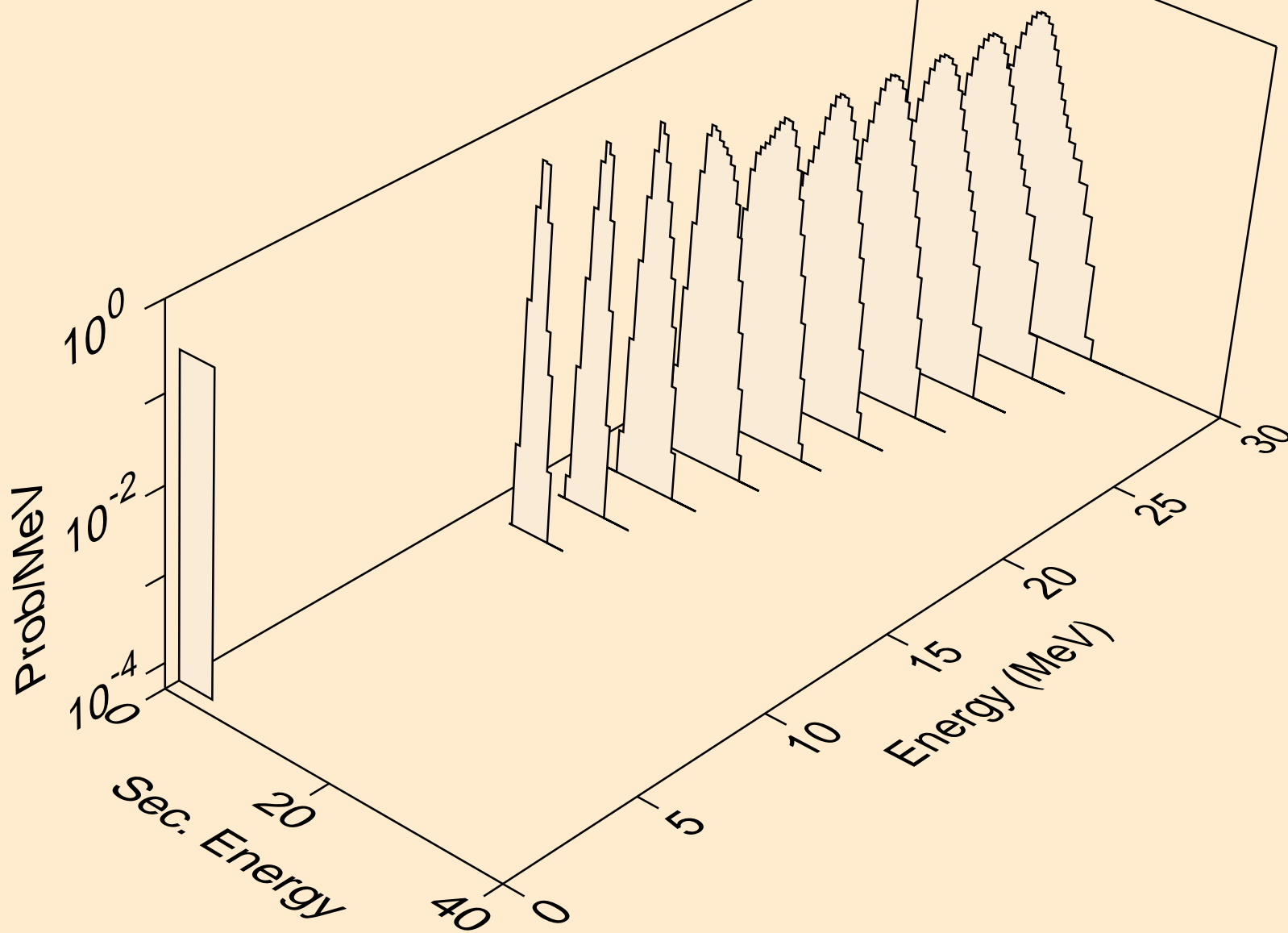
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,3n)a



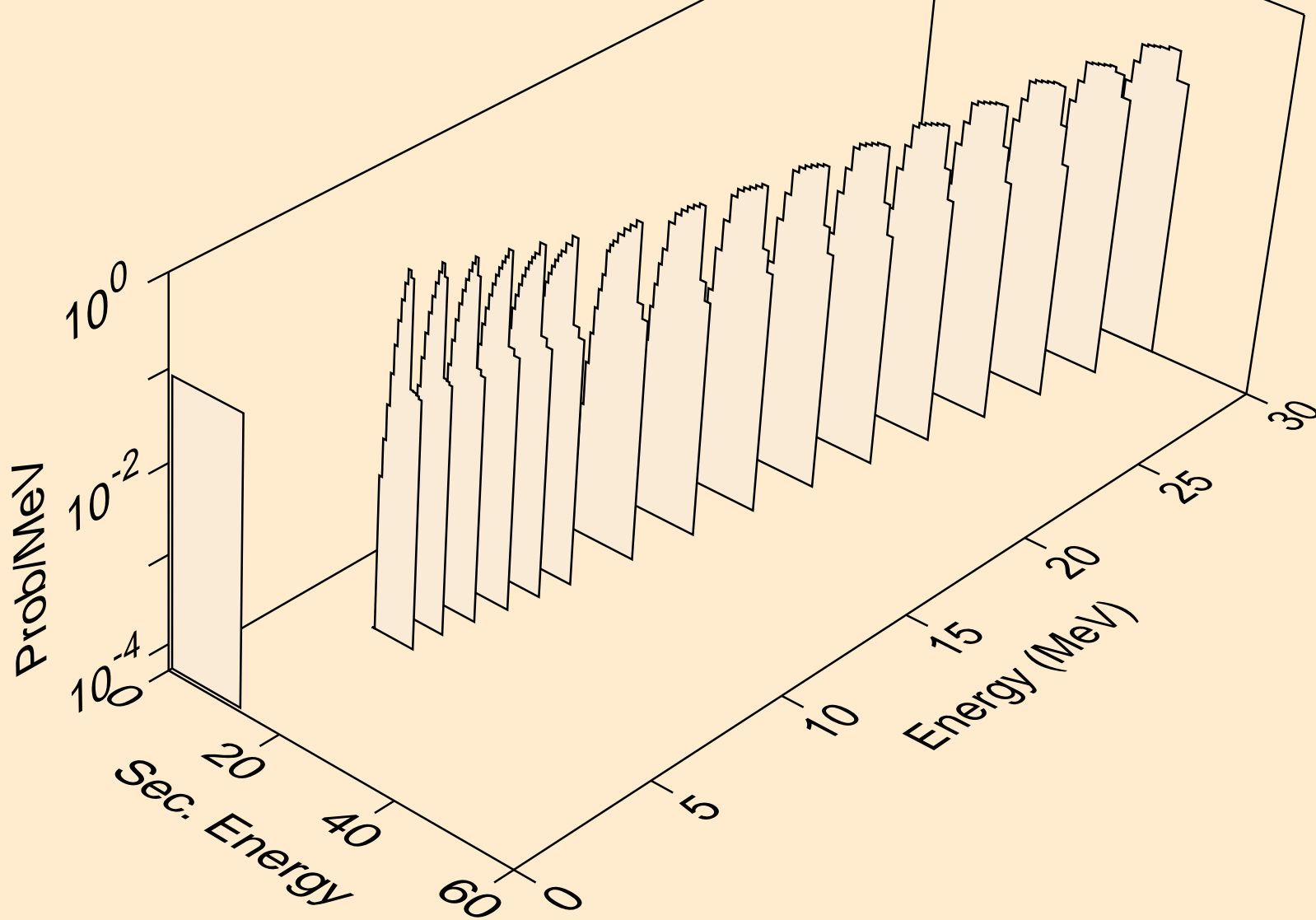
ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)2a



ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,npa)

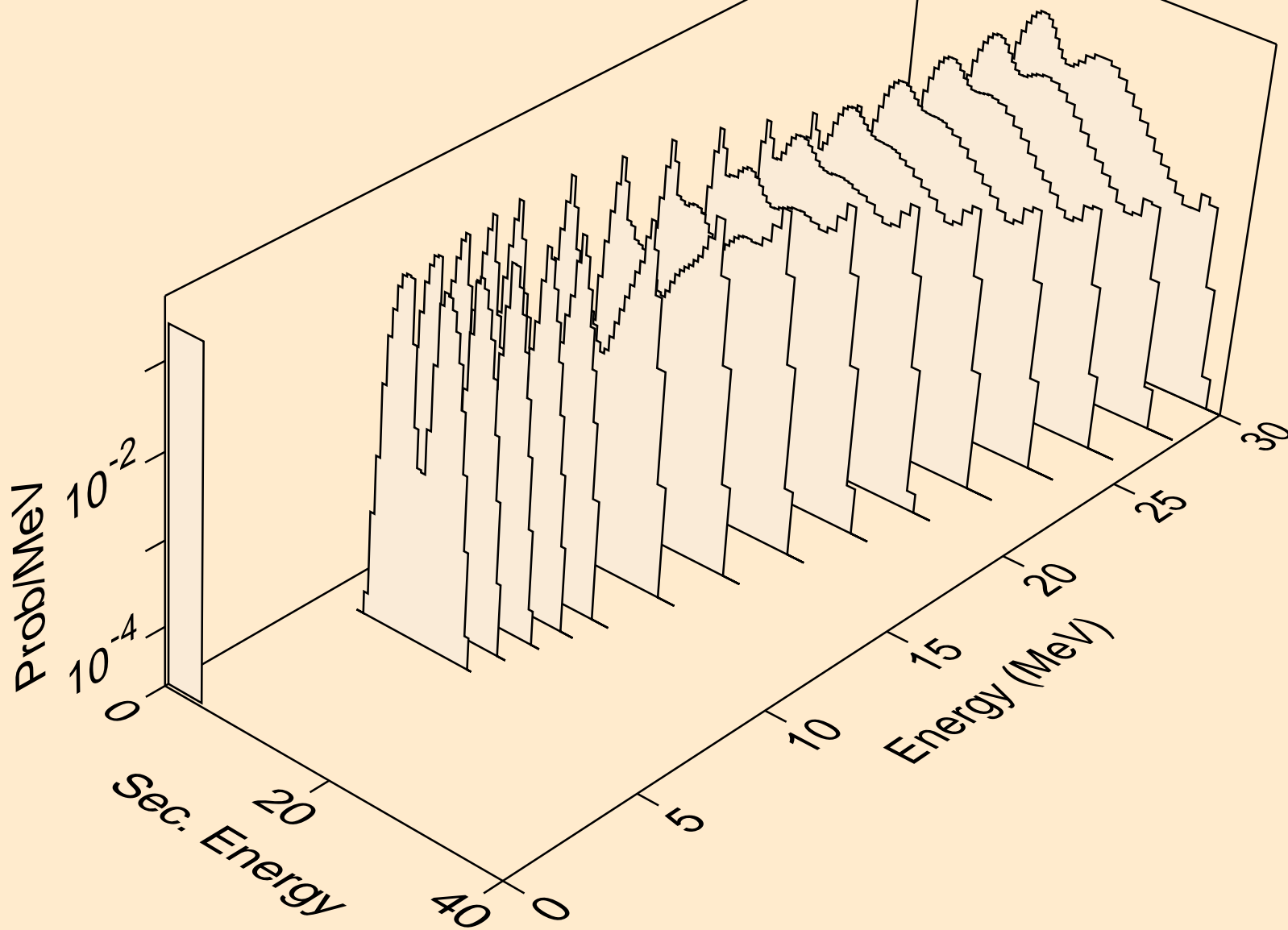


ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,a)

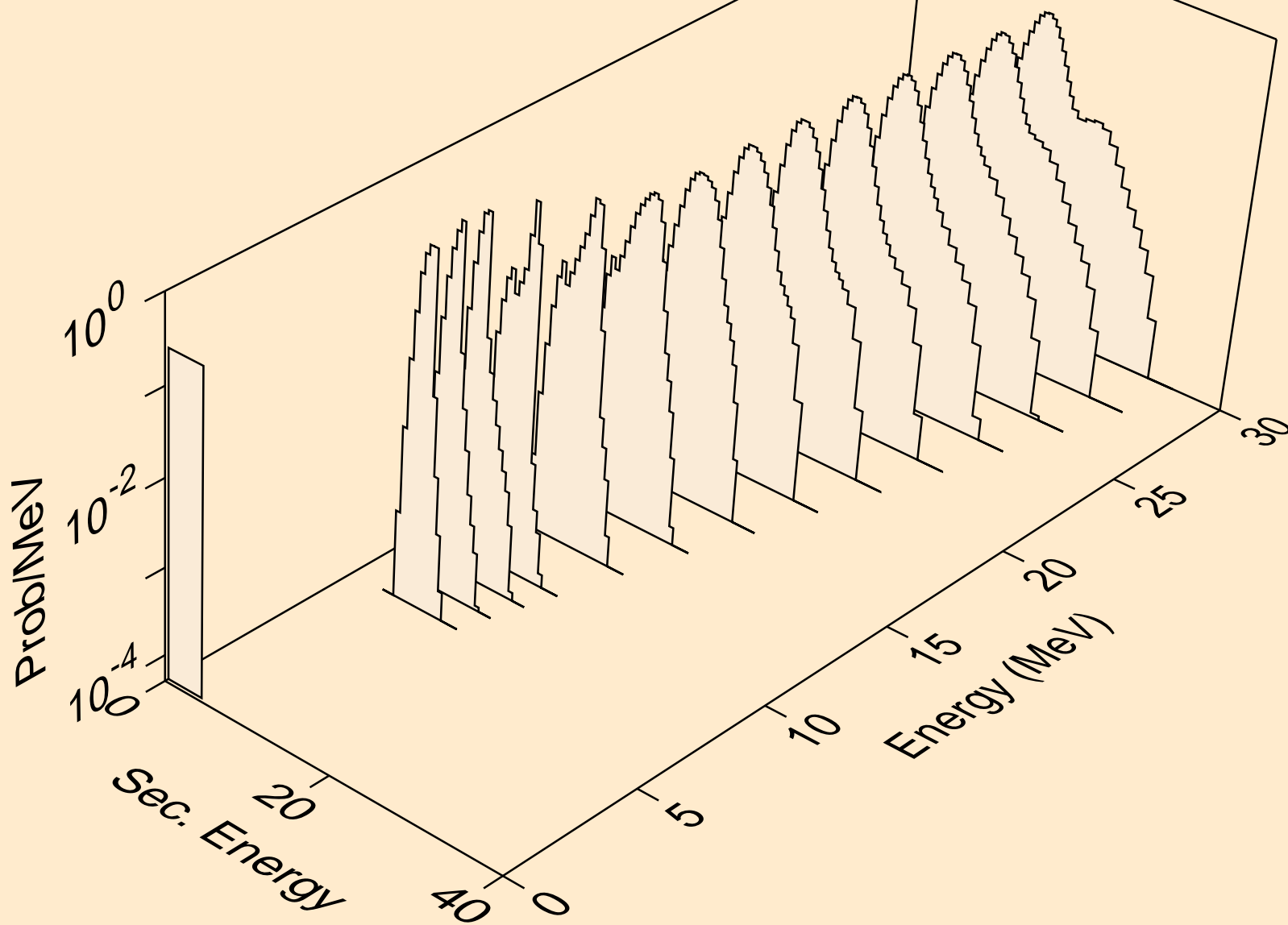




ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)



ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



ND145 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

