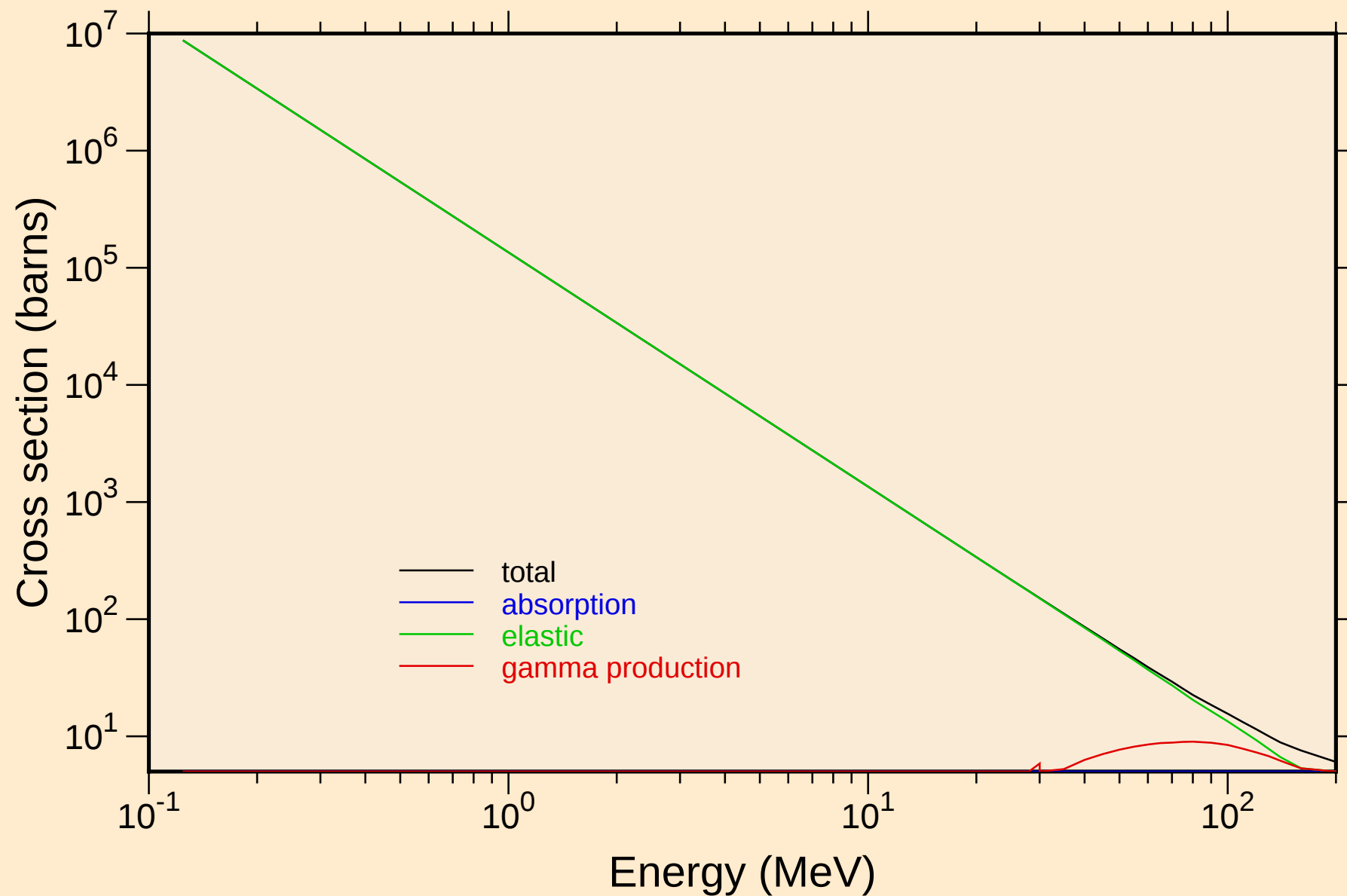


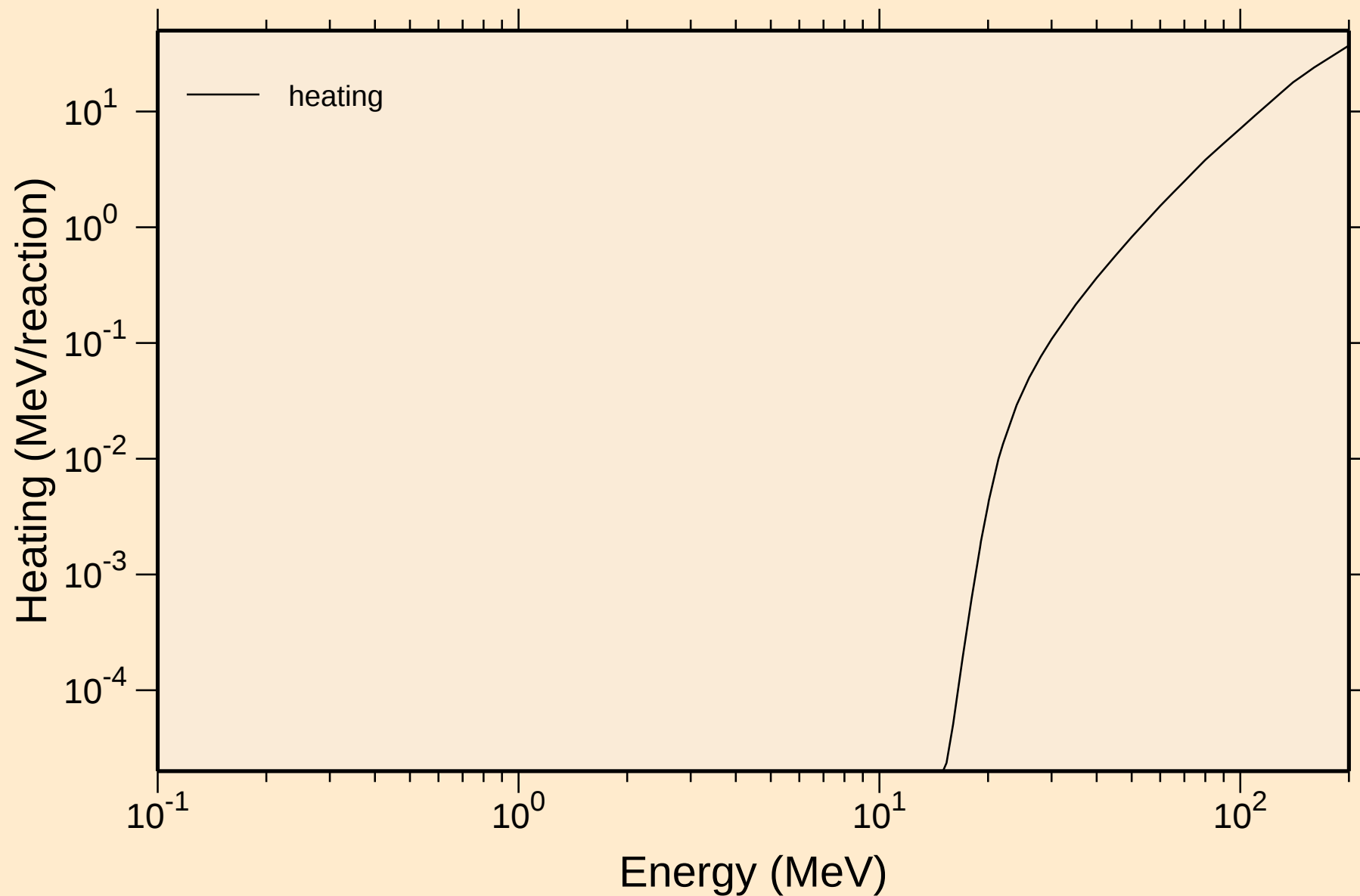
# TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



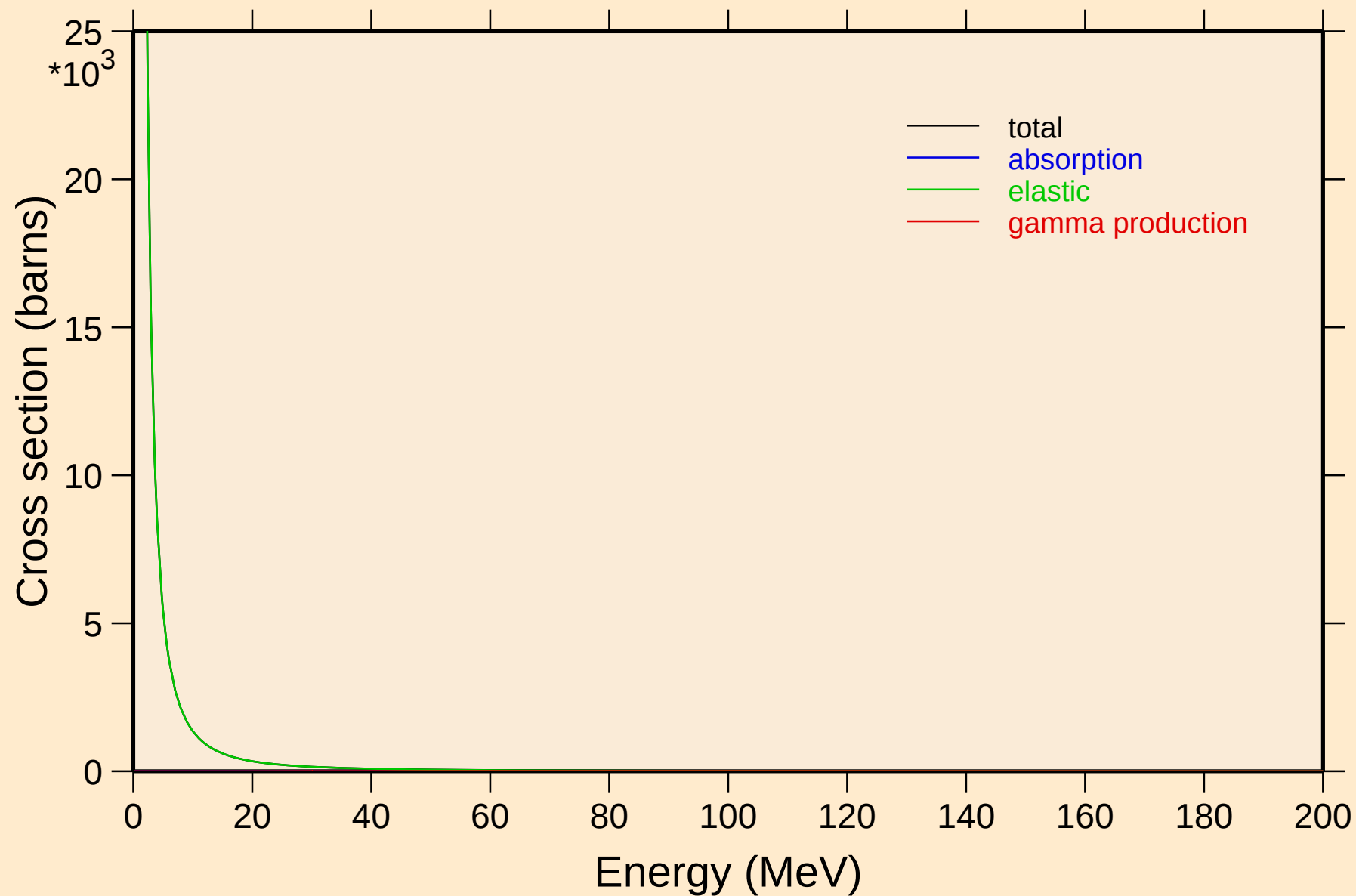
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K

Heating



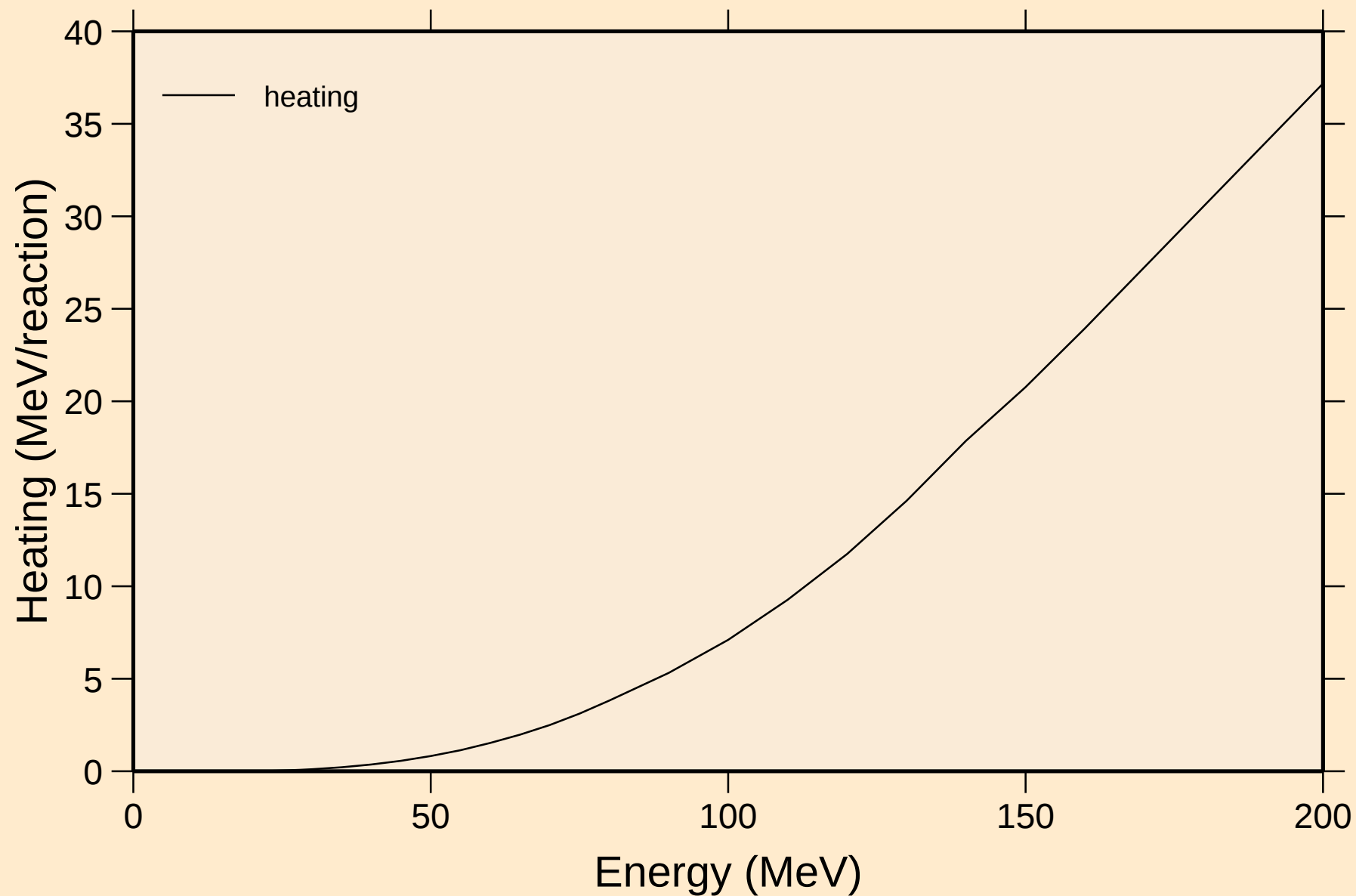
# TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



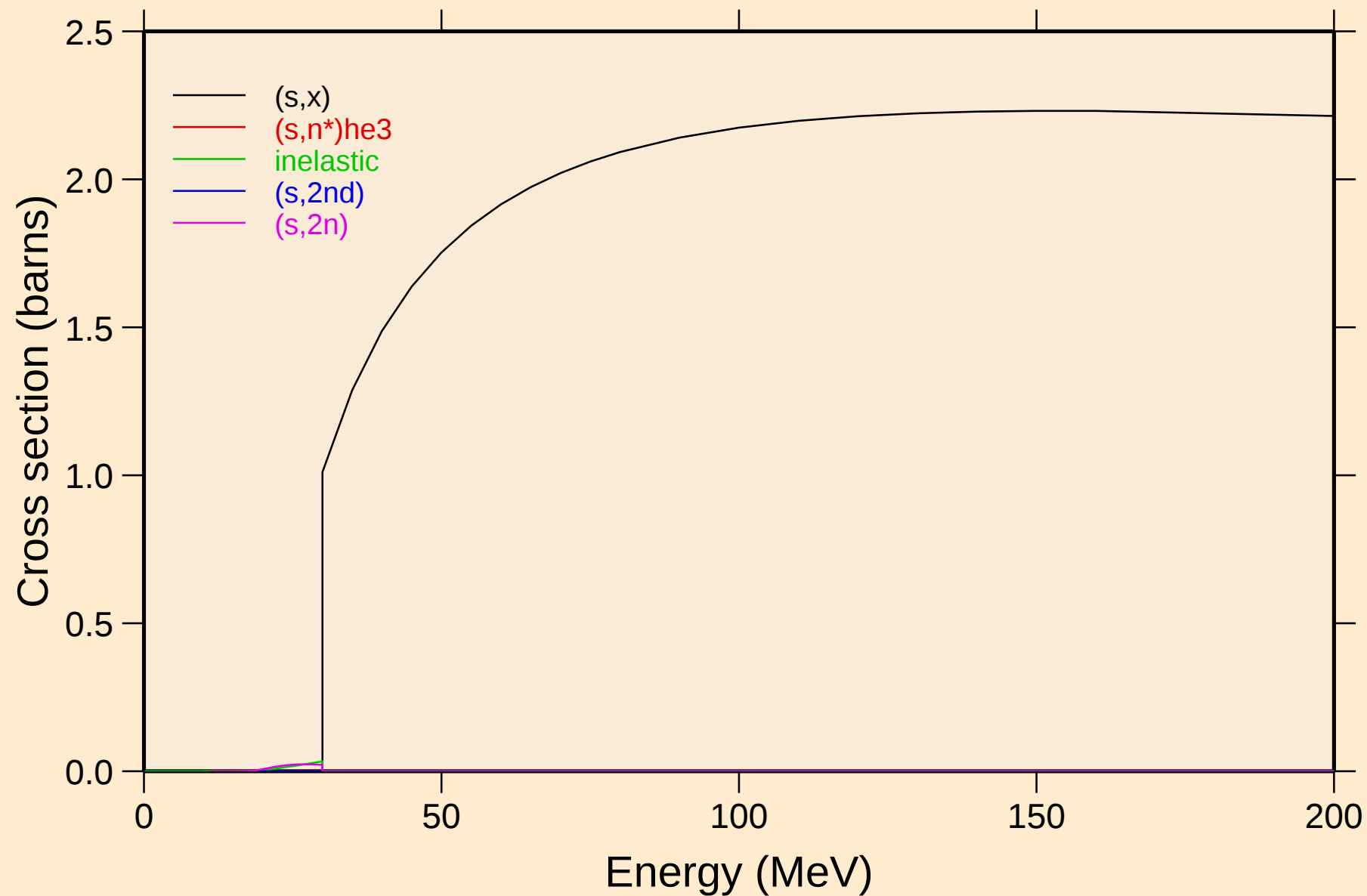
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K

Heating



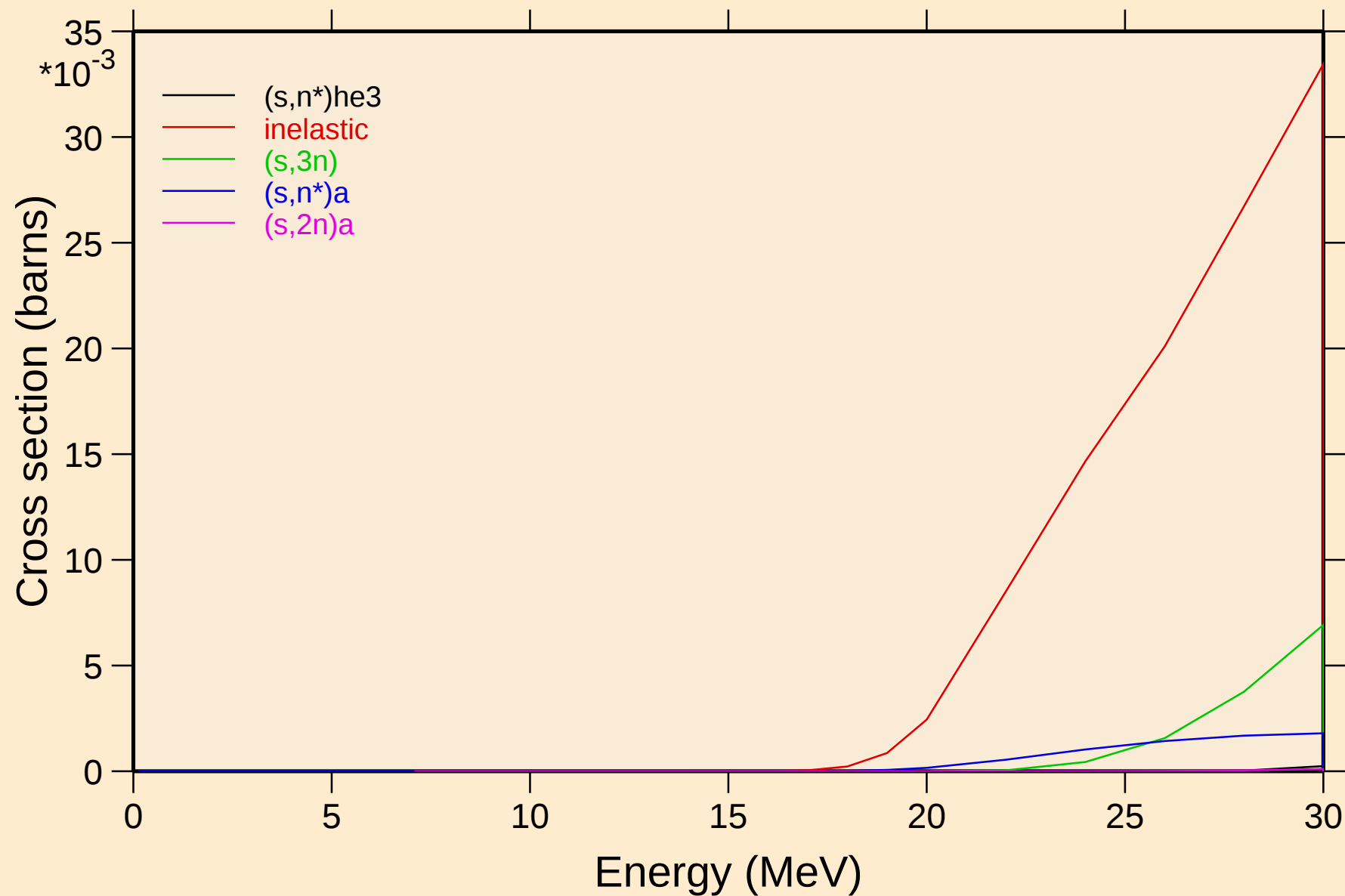
# TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



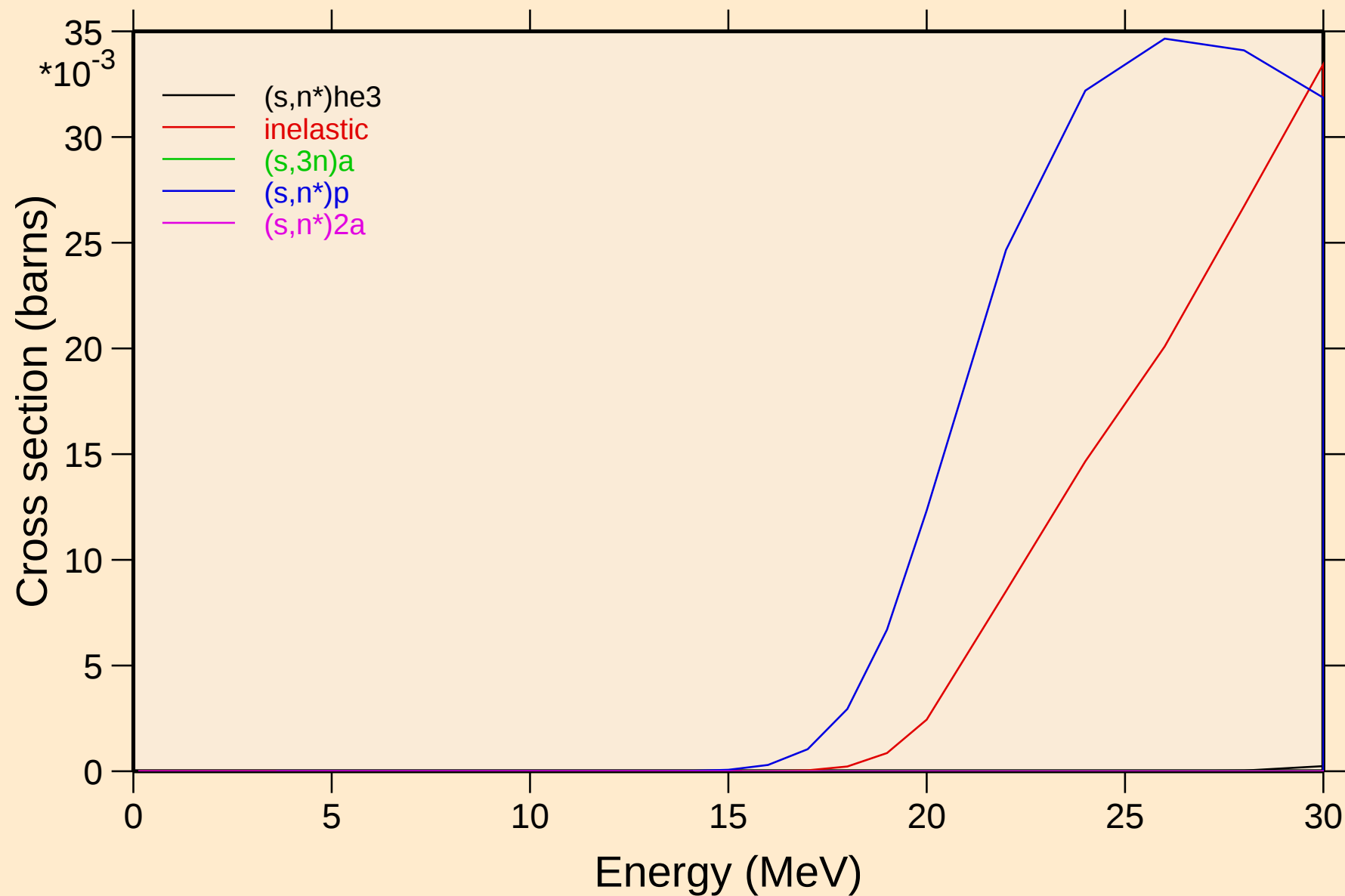
# TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



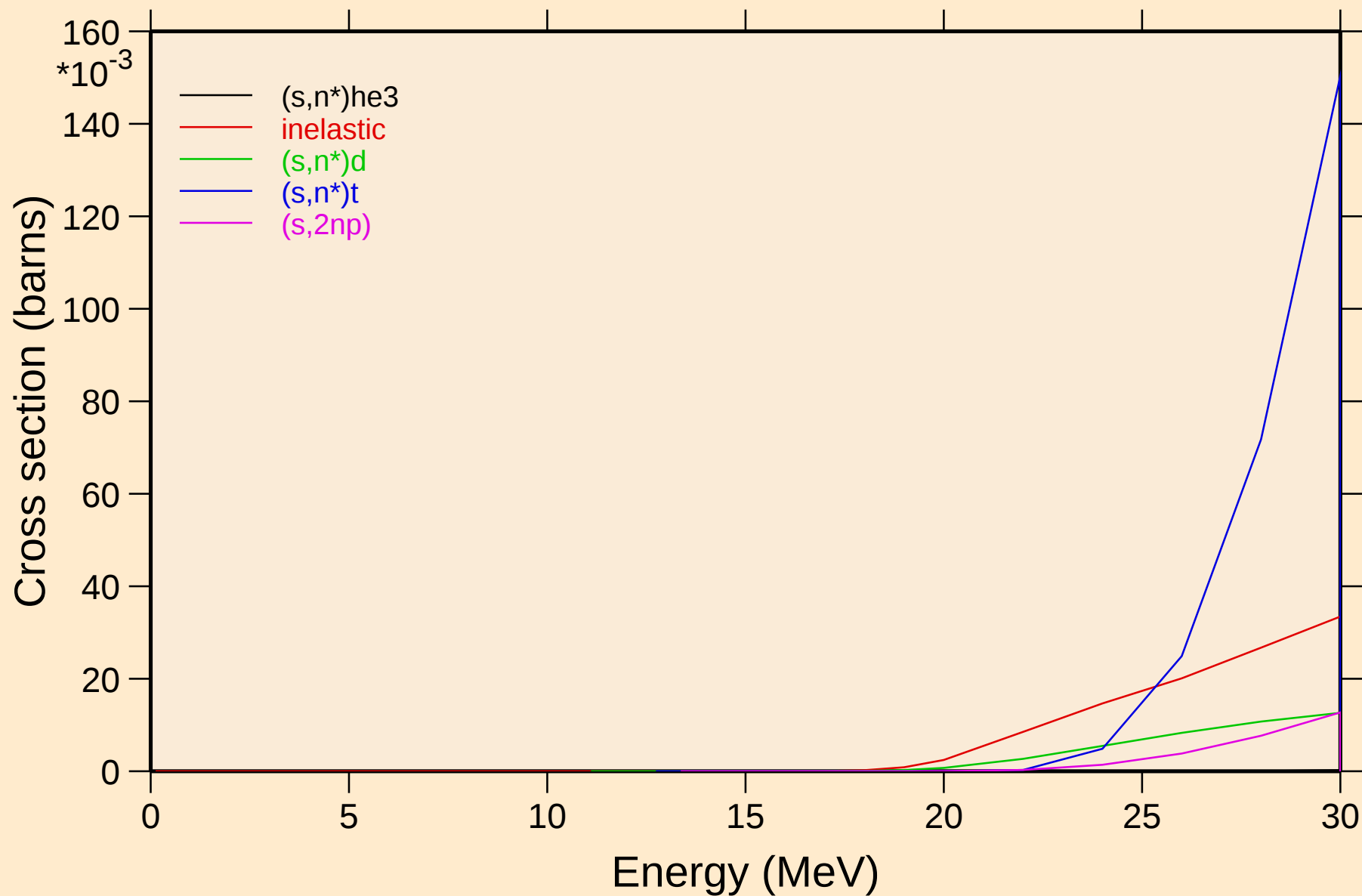
# TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



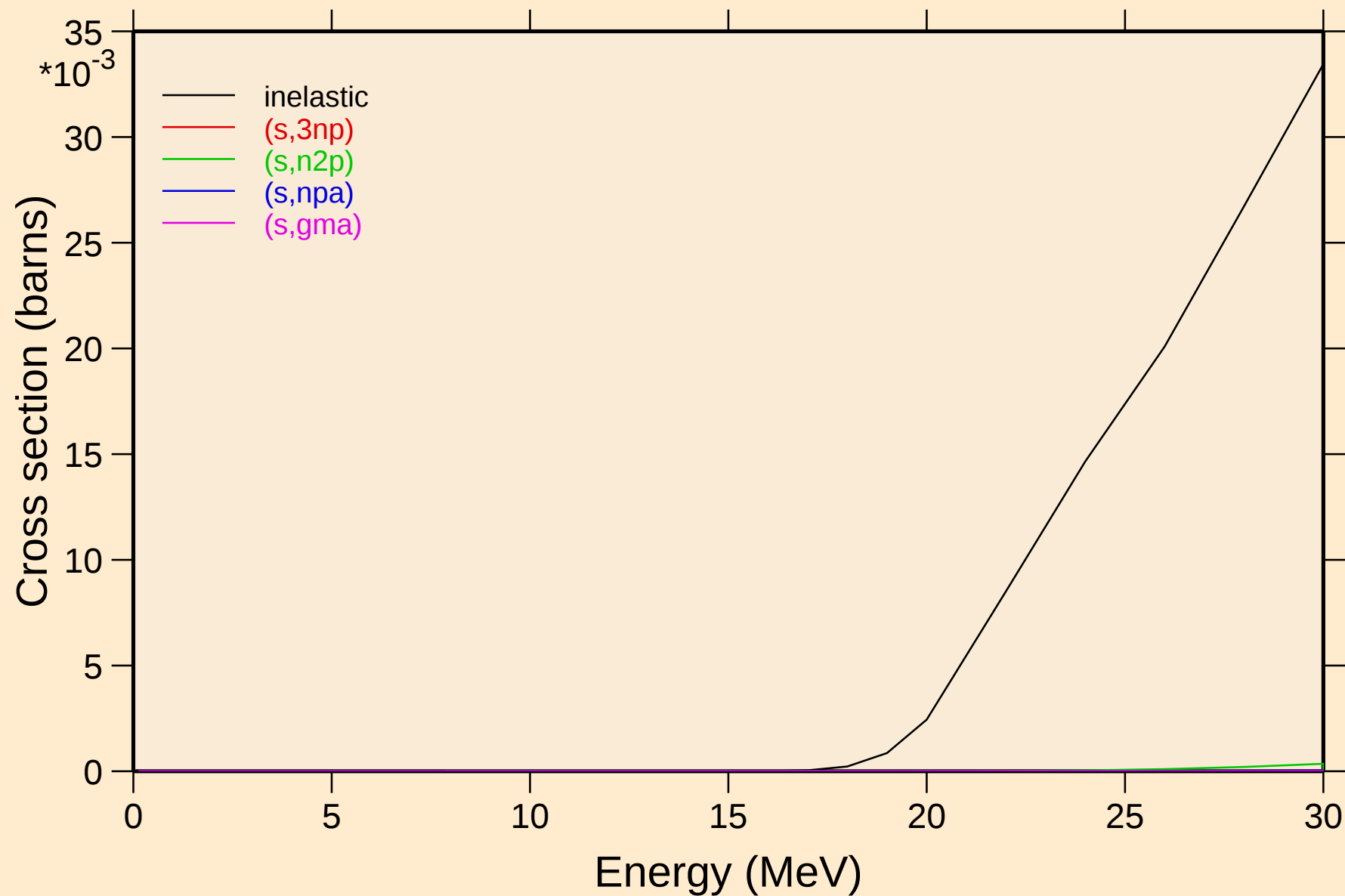
# TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

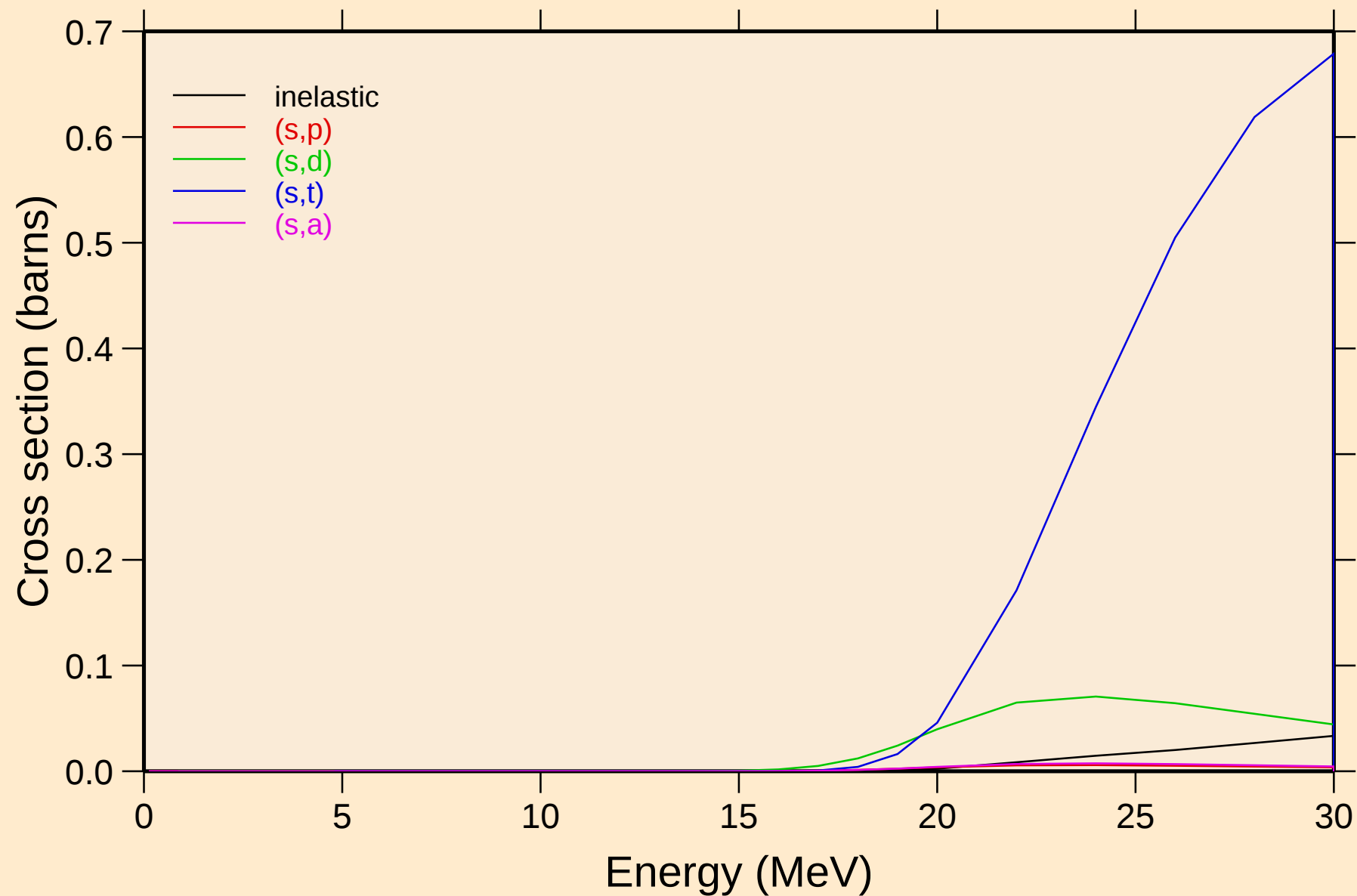


# TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K

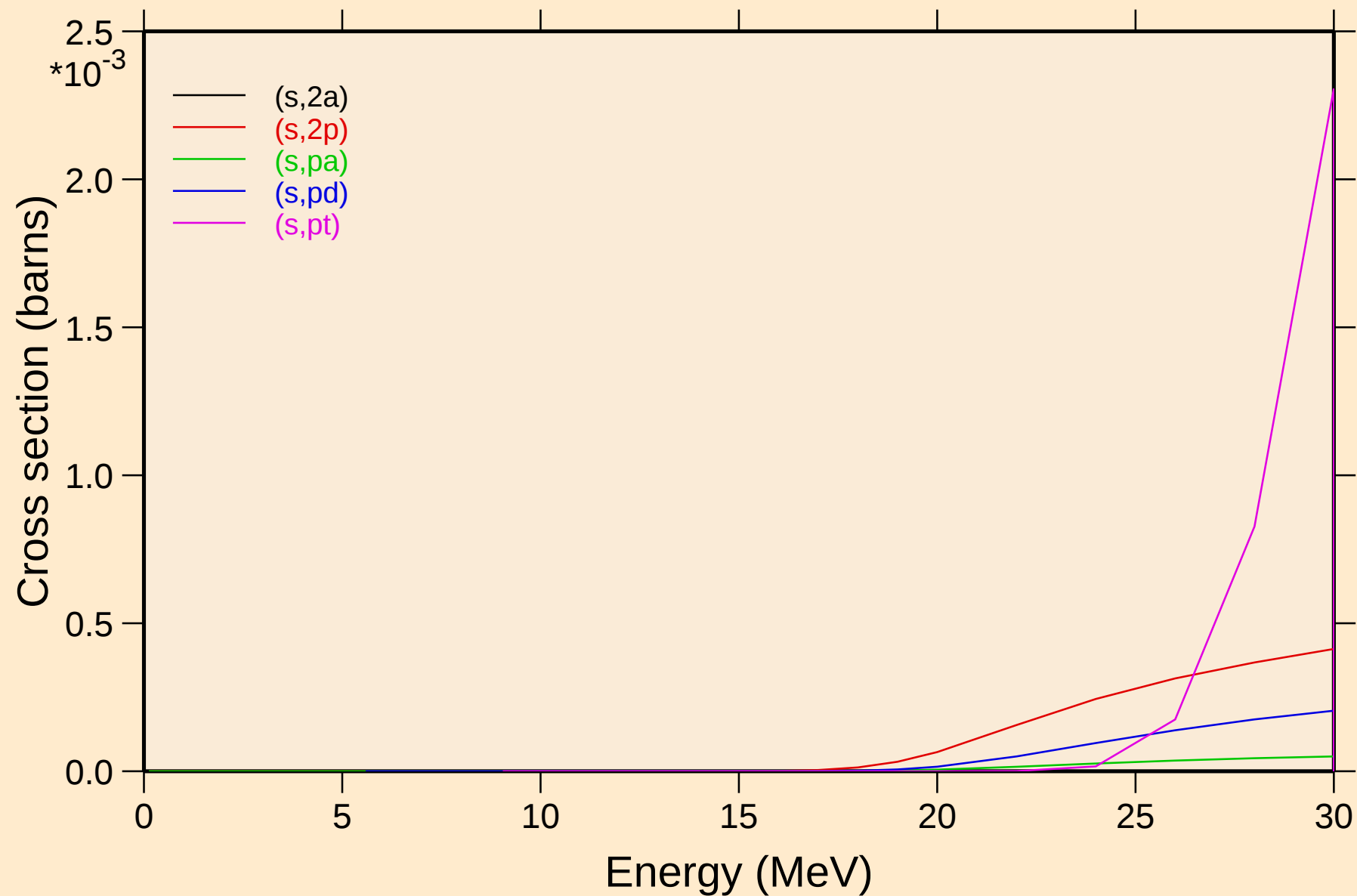
## Threshold reactions



TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

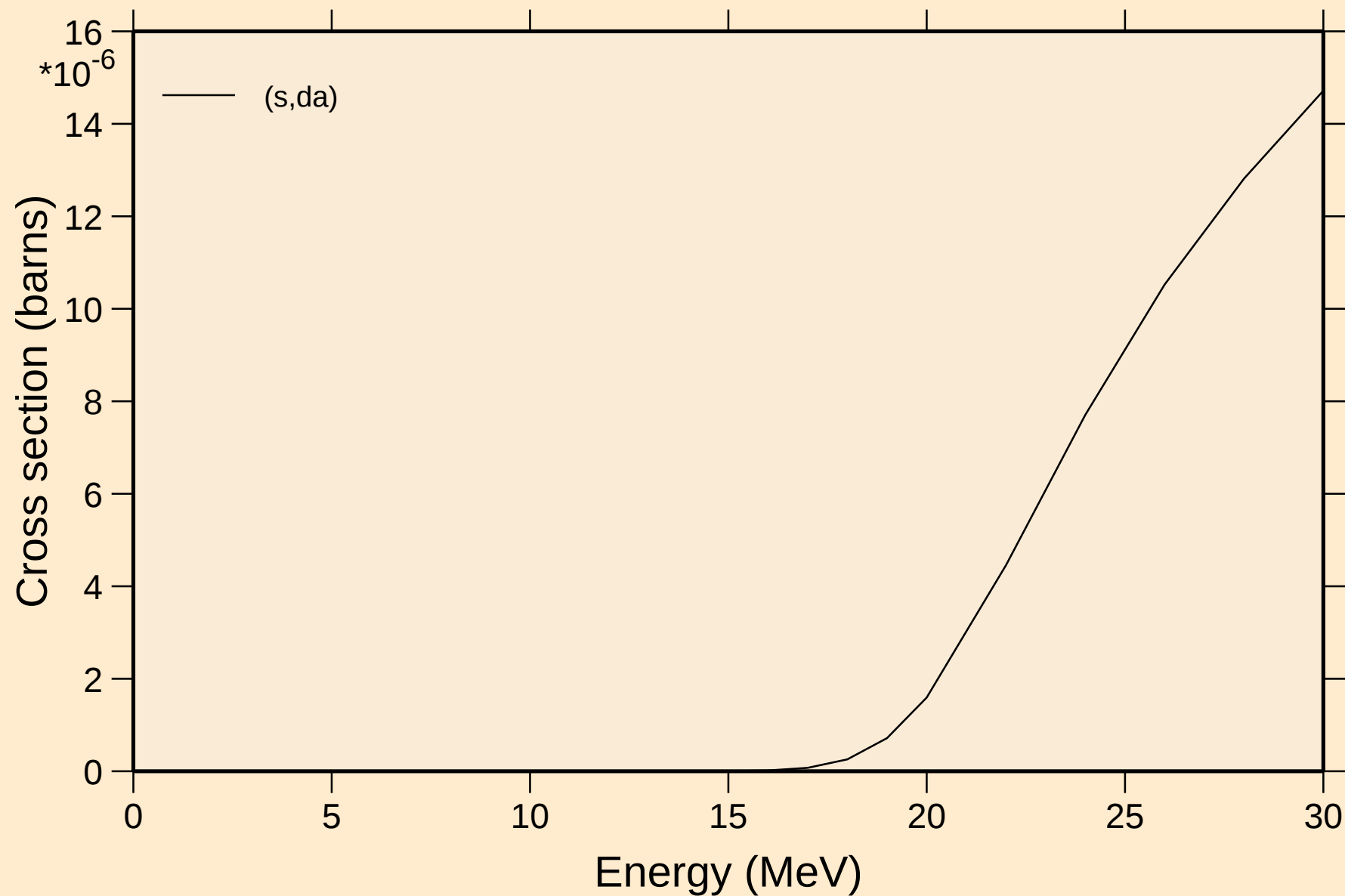


TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

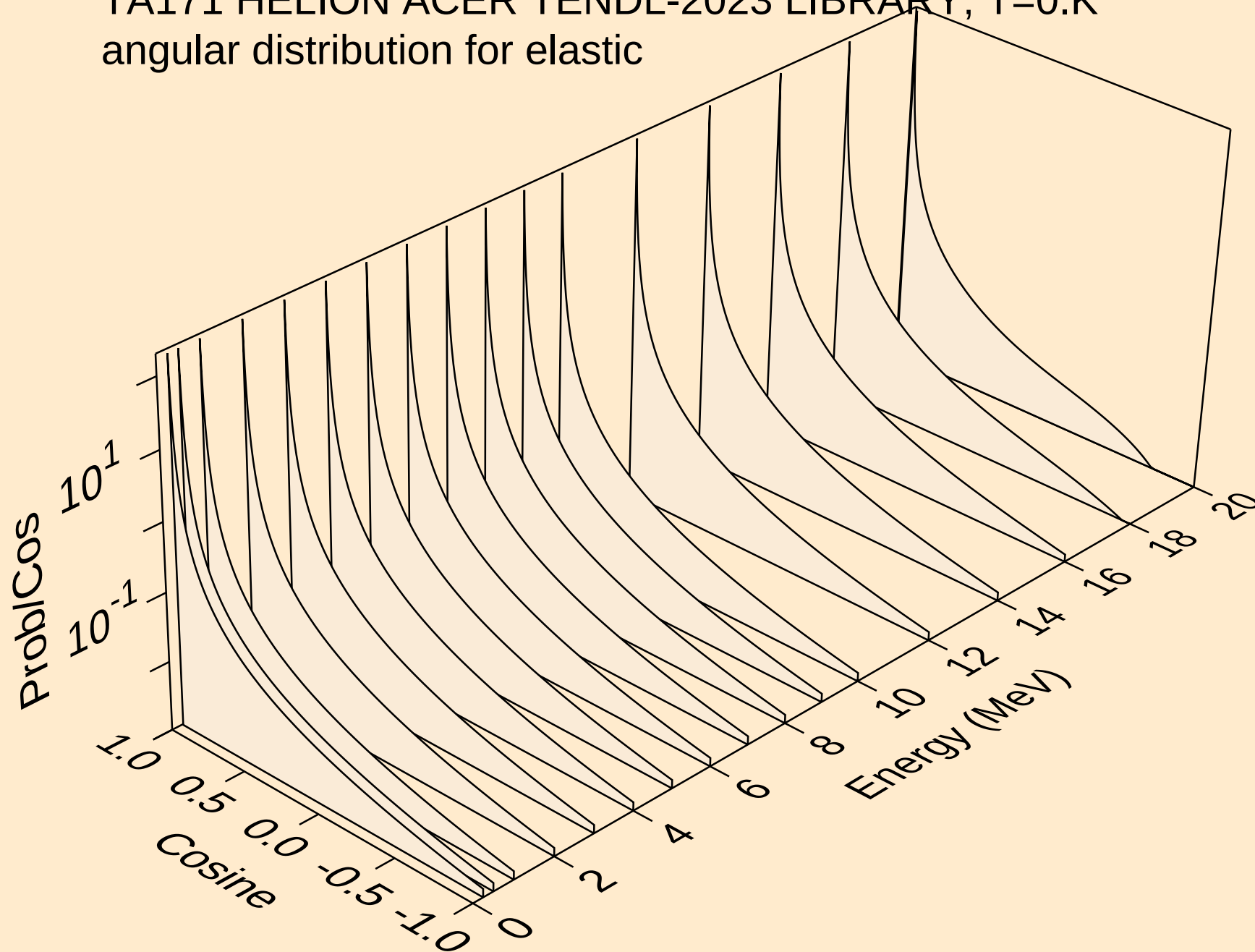


TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K

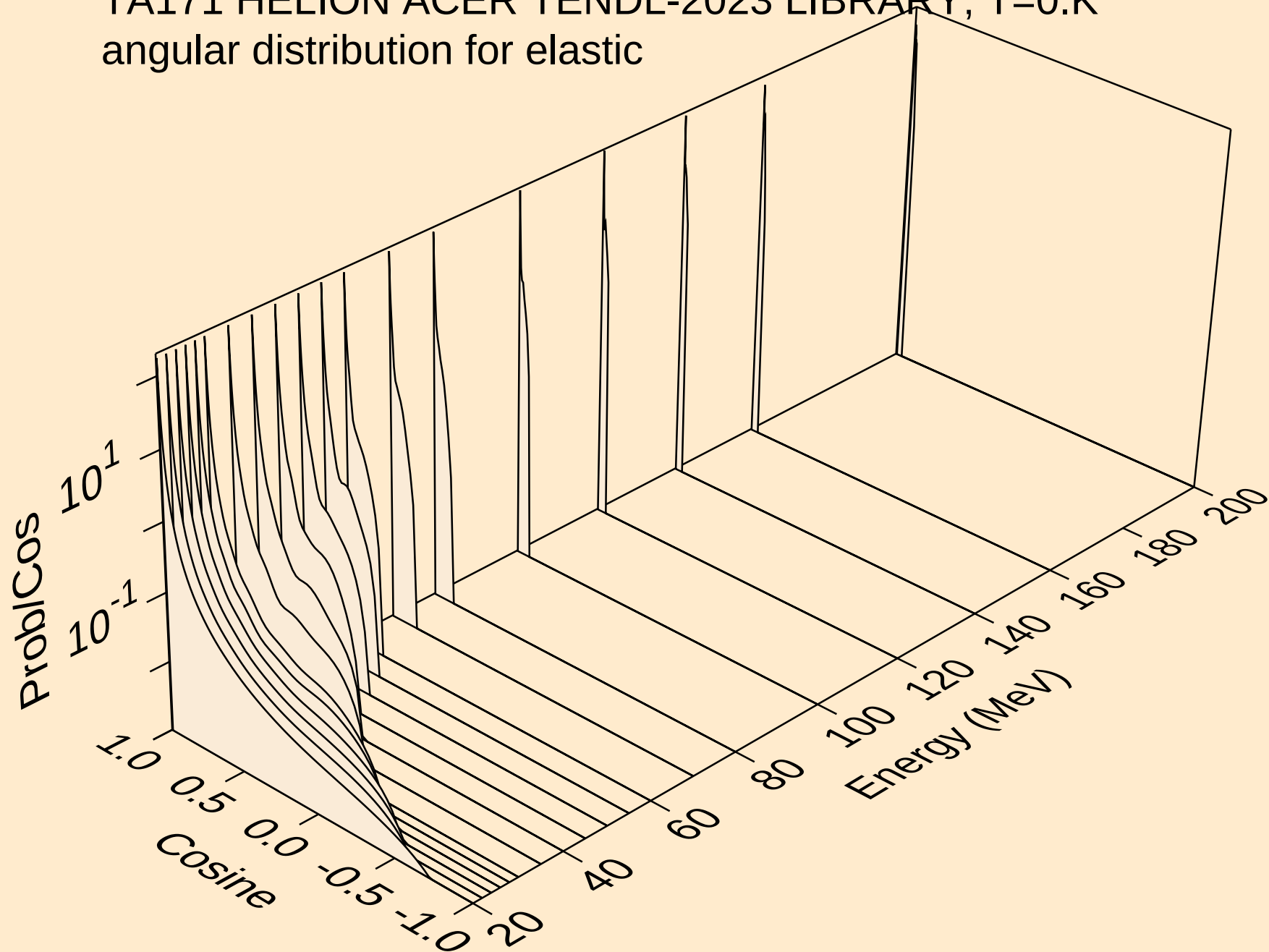
Threshold reactions



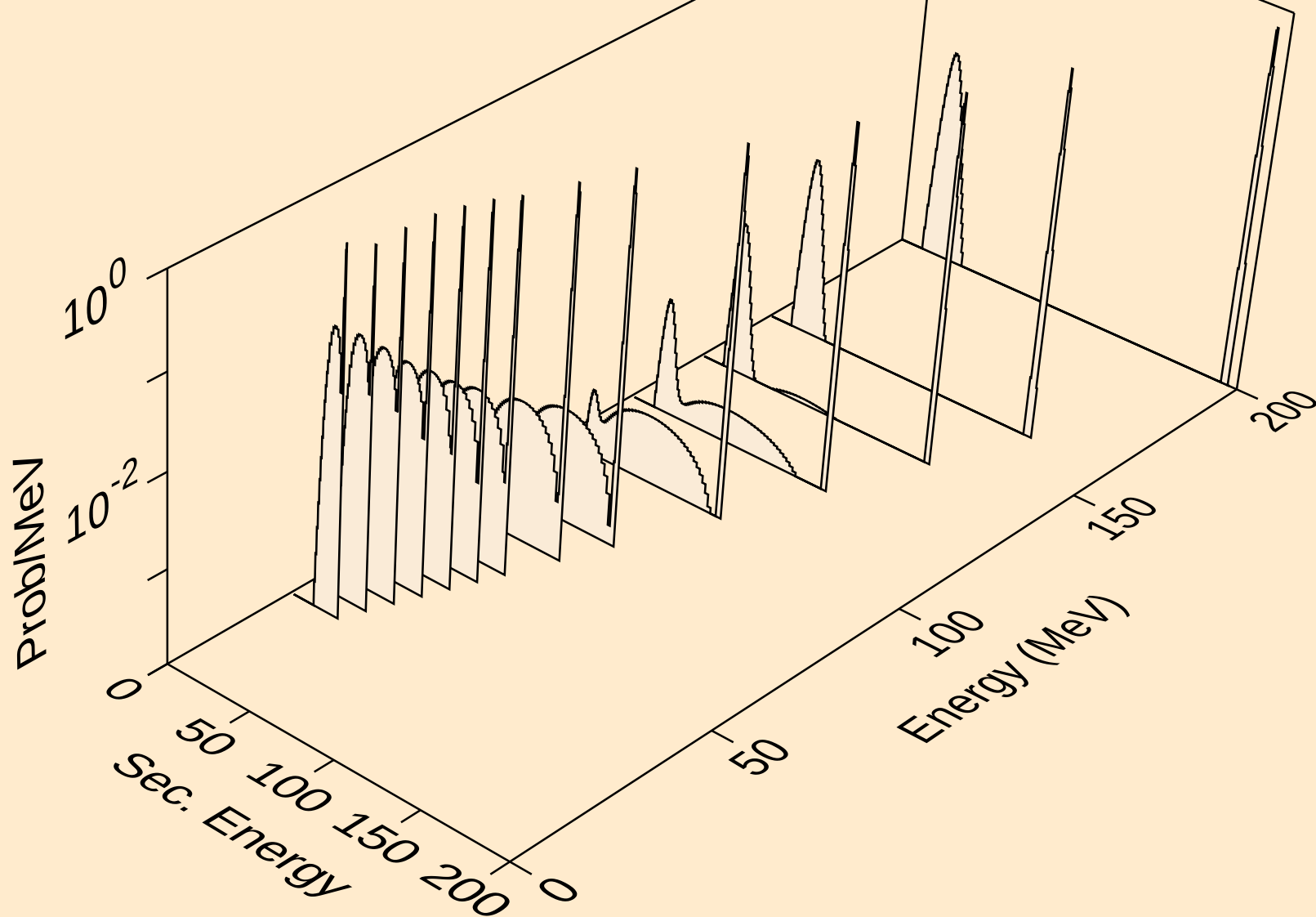
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



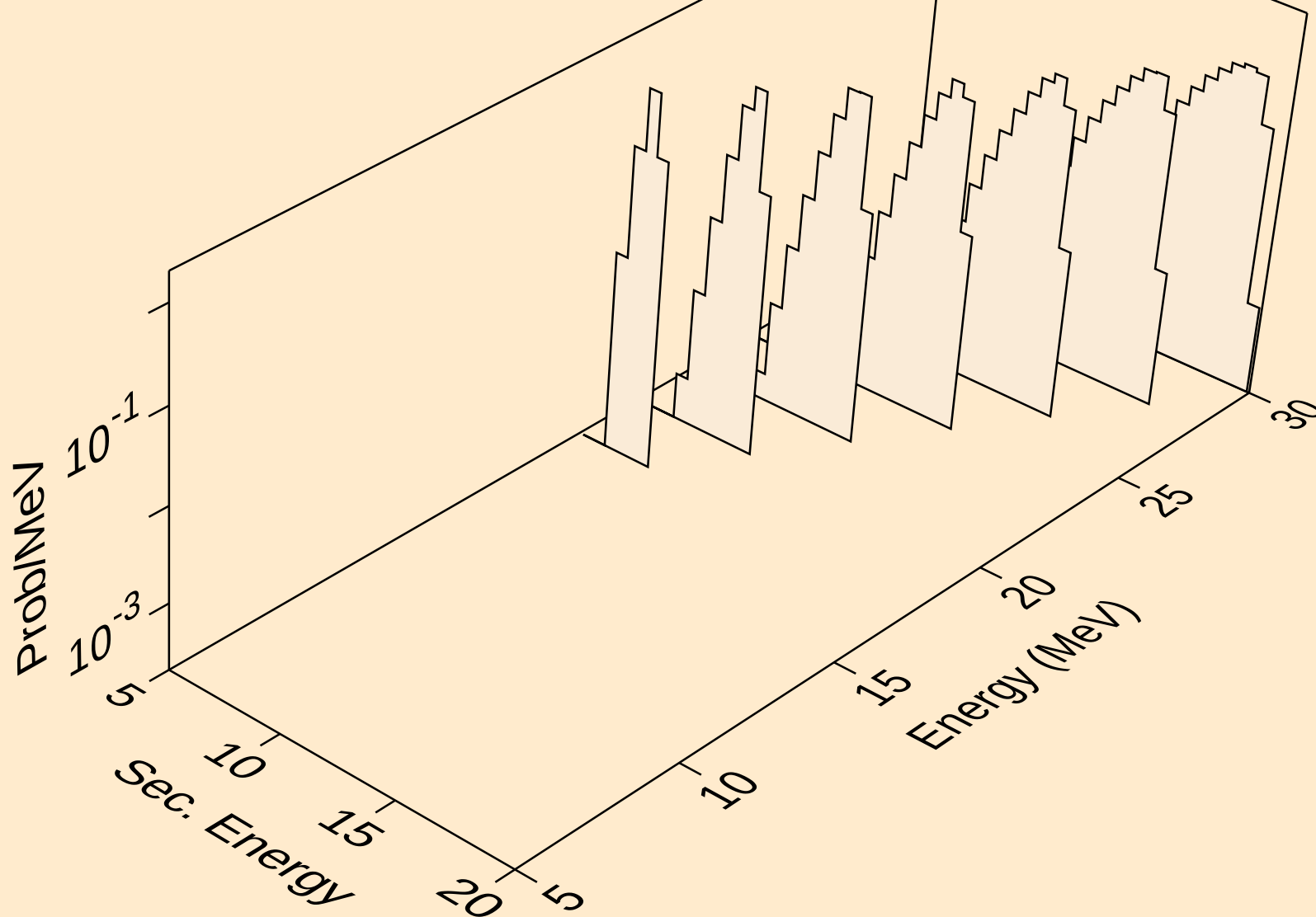
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



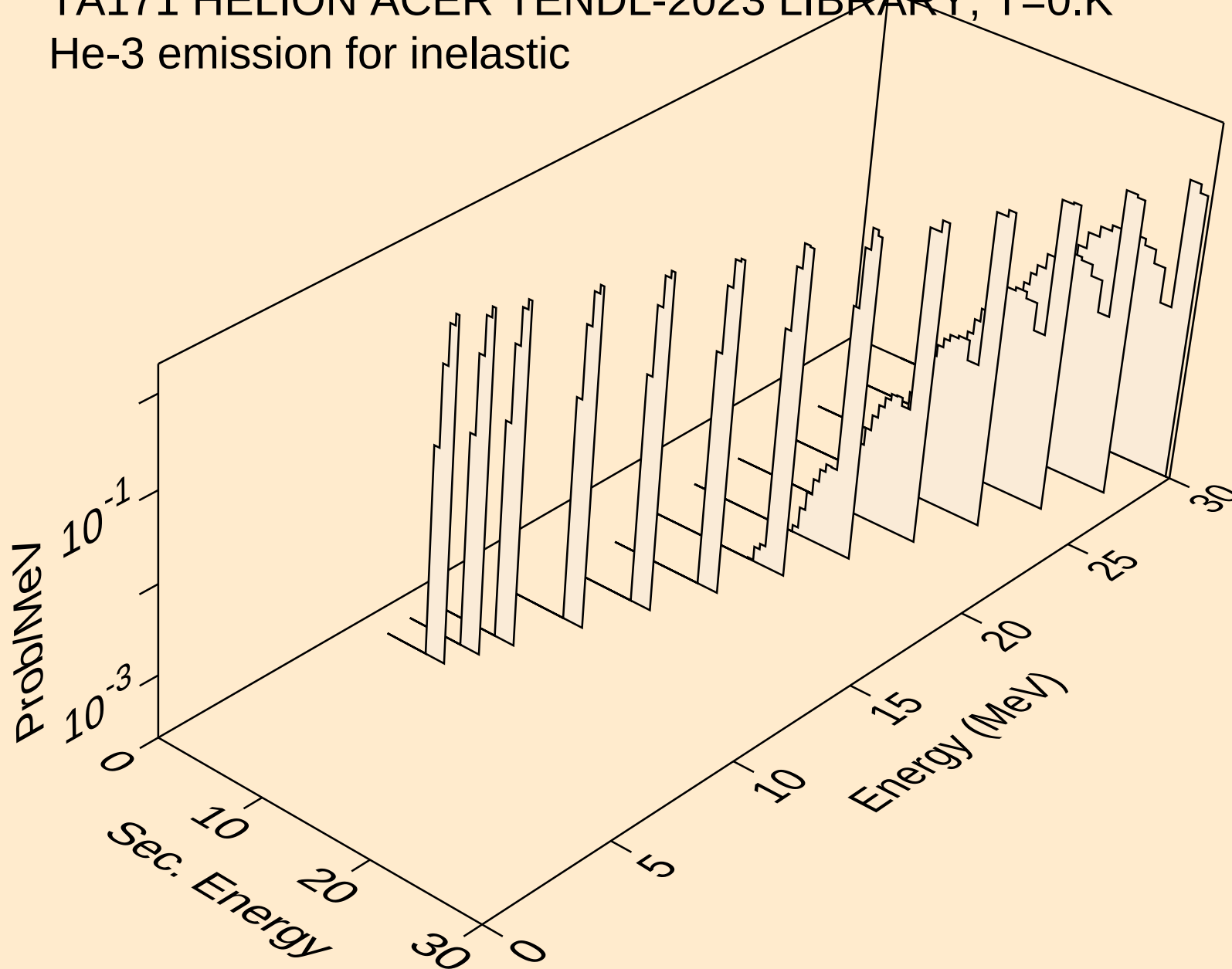
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)



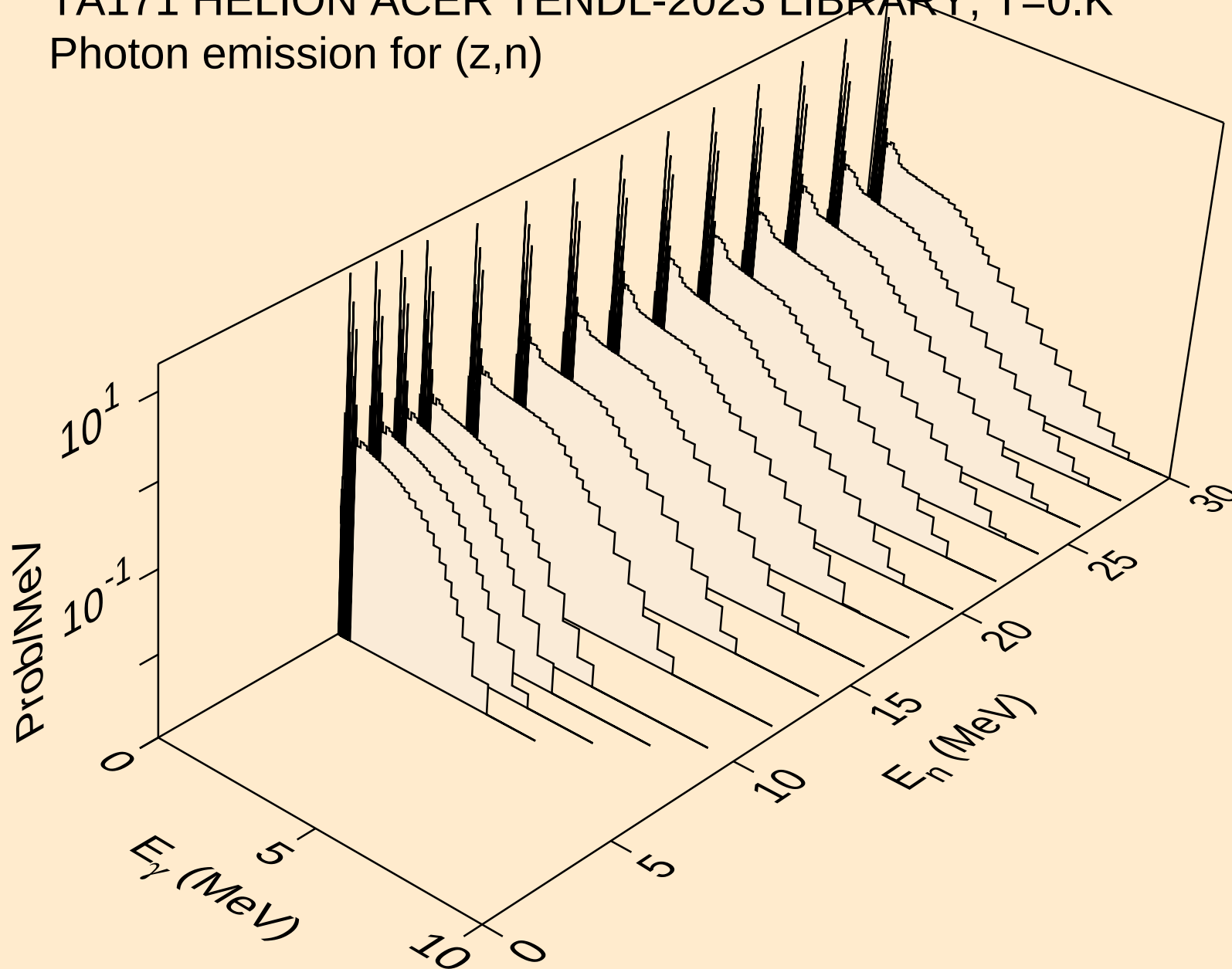
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3



TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic

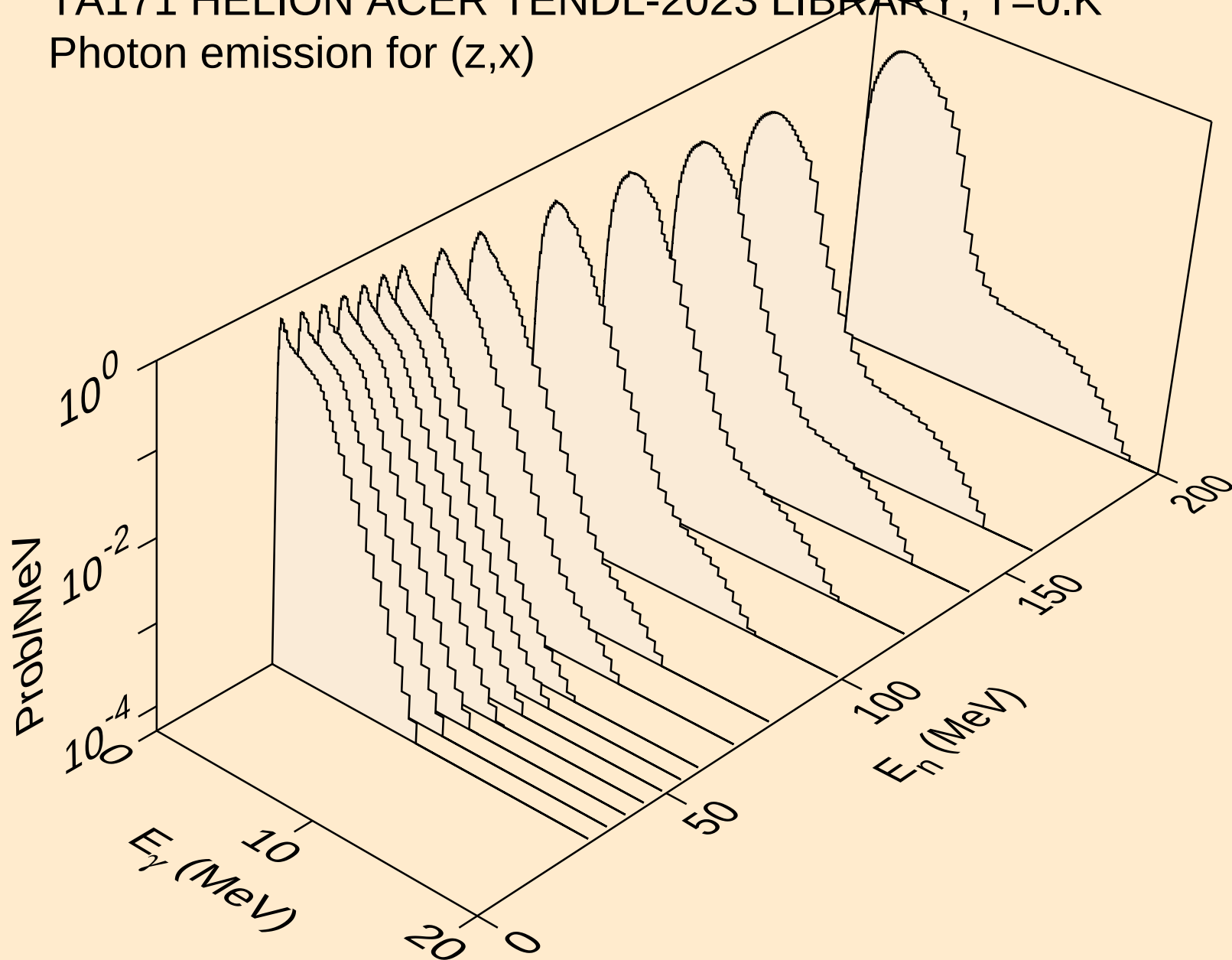


TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)

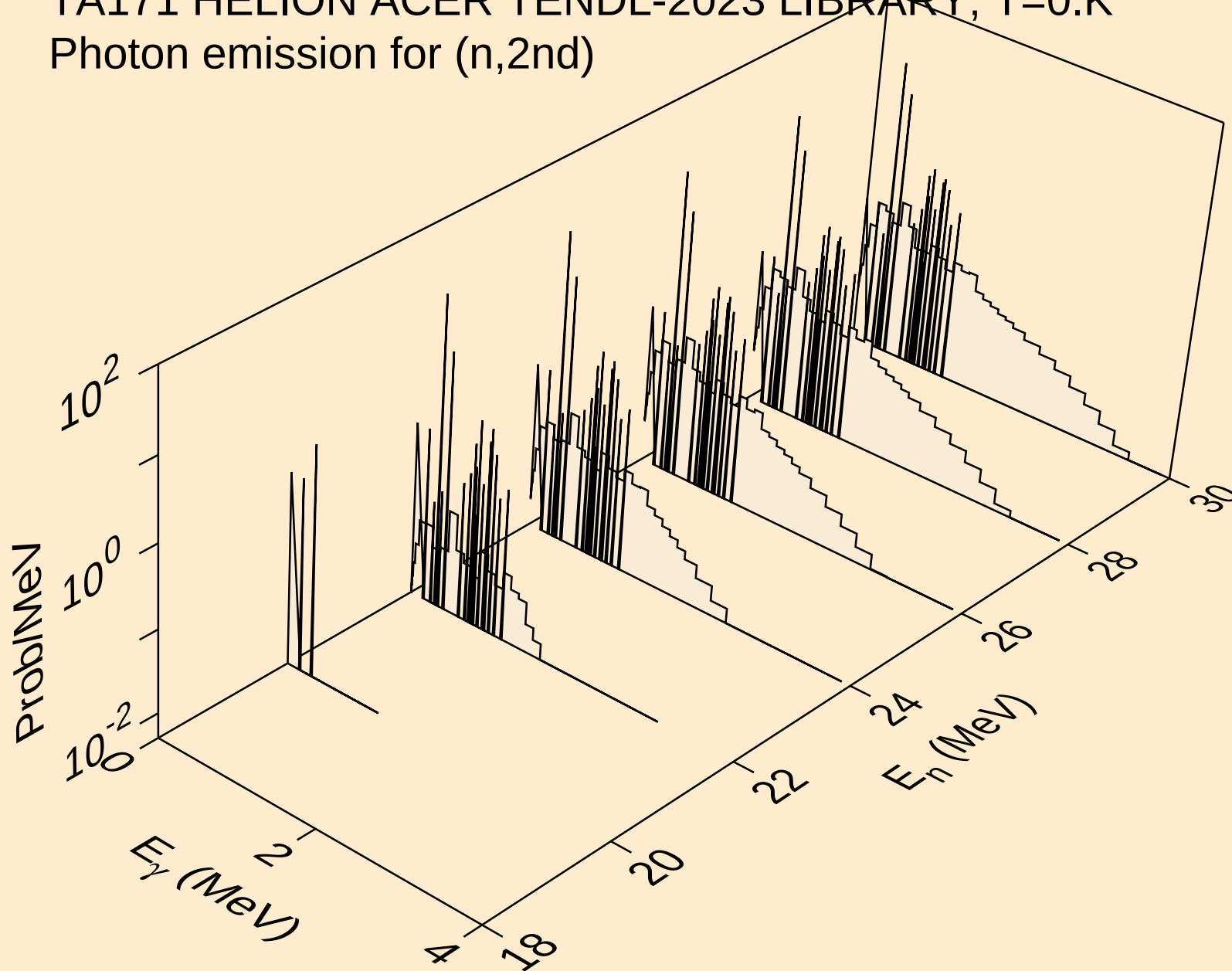


TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K

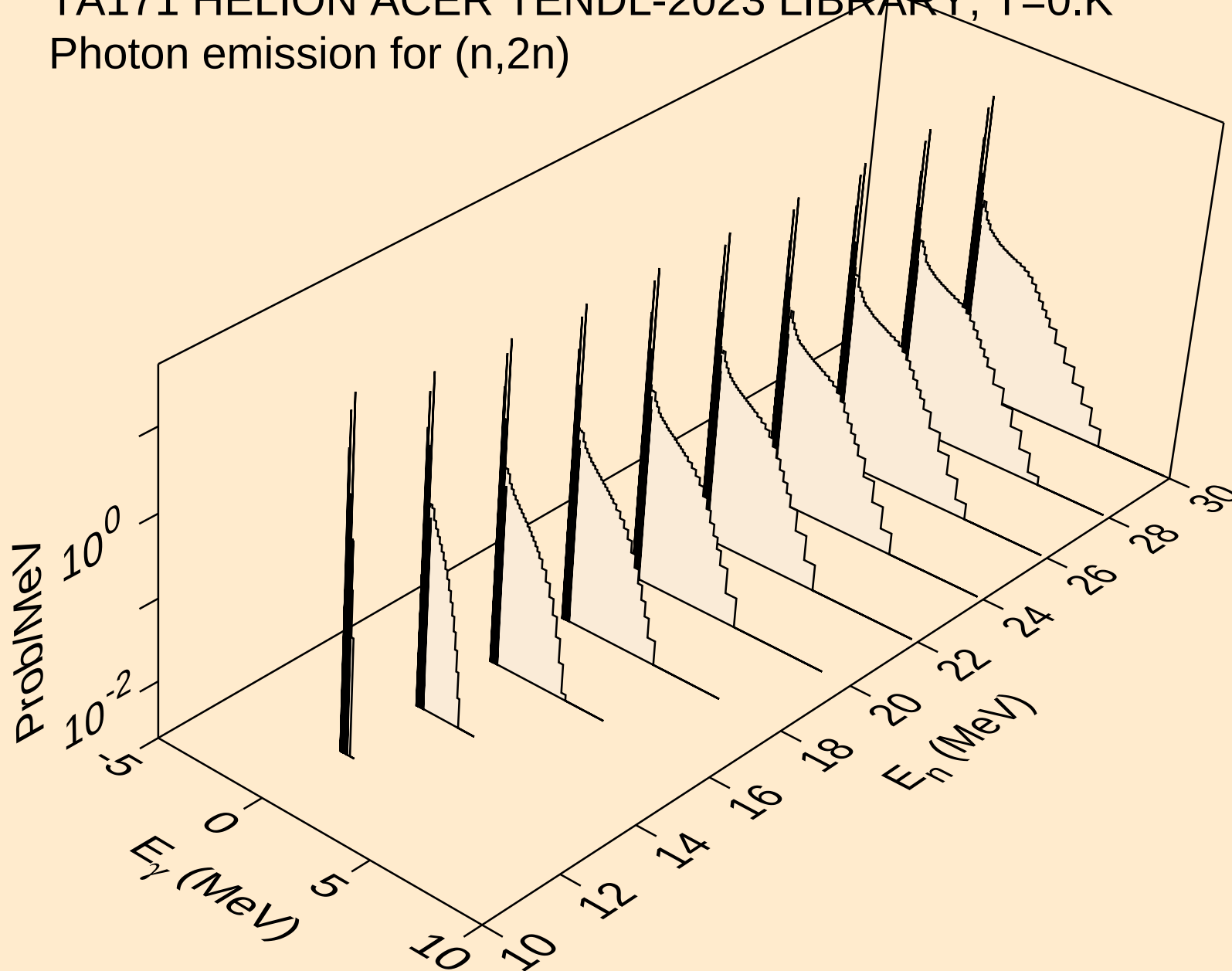
Photon emission for (z,x)



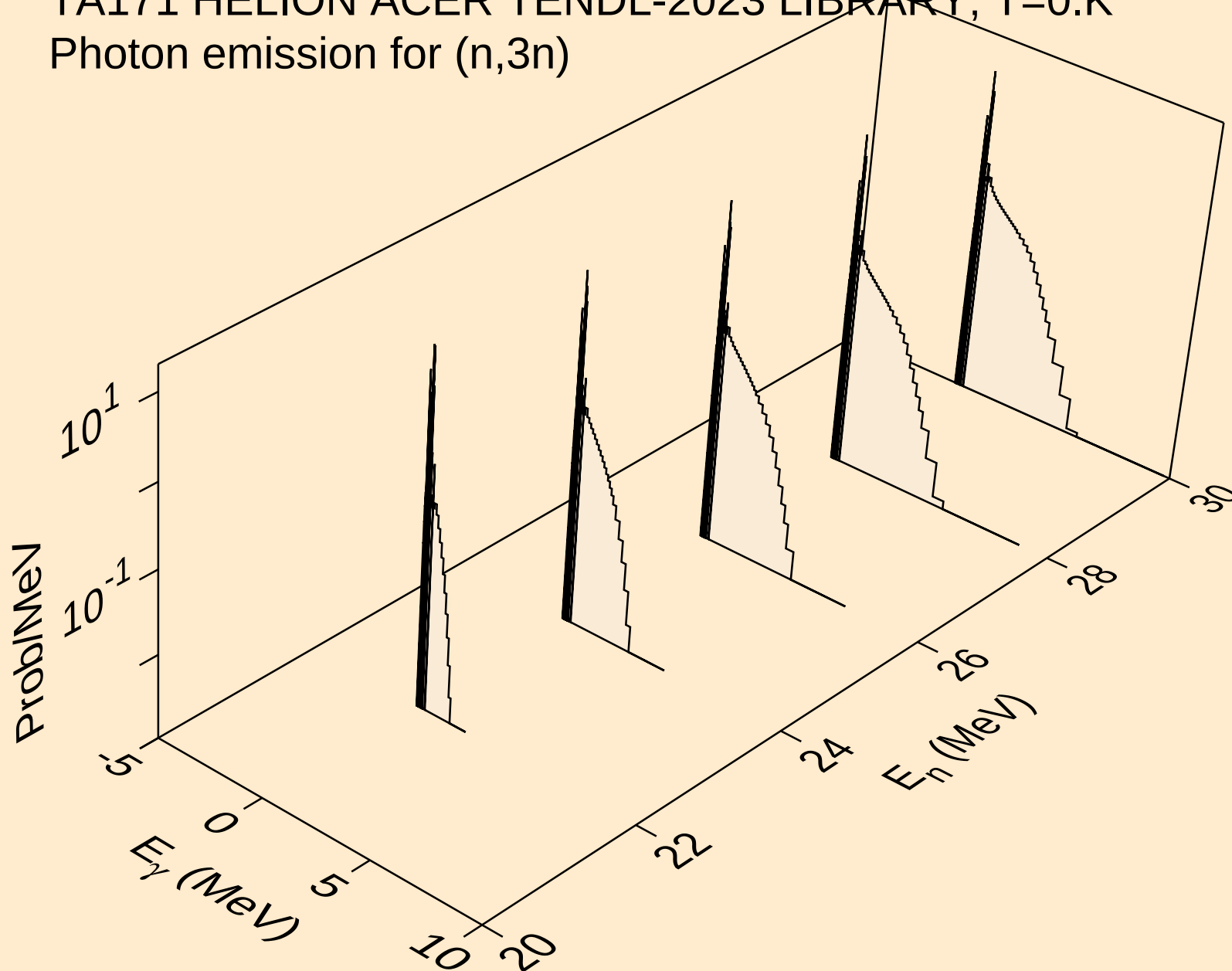
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



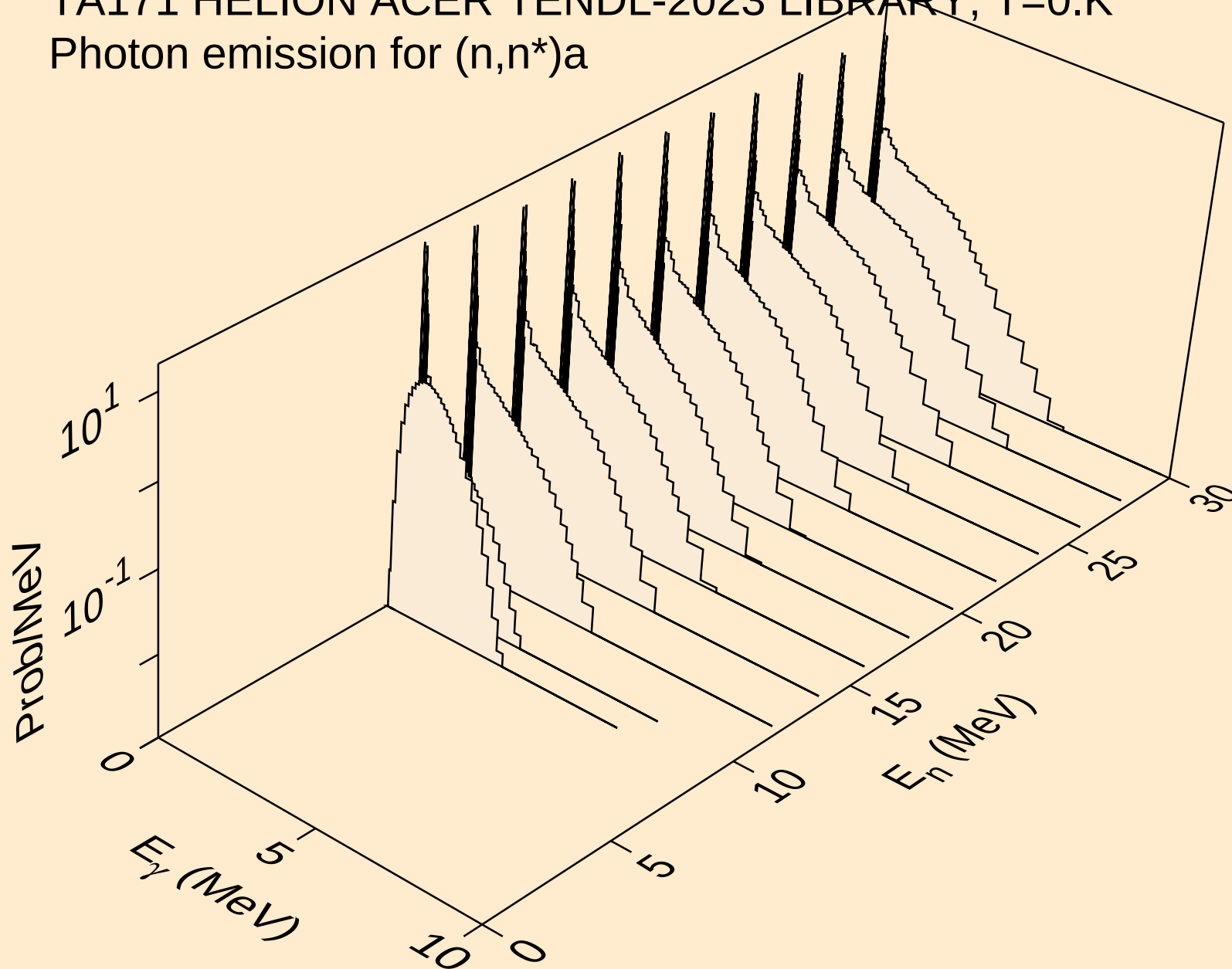
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



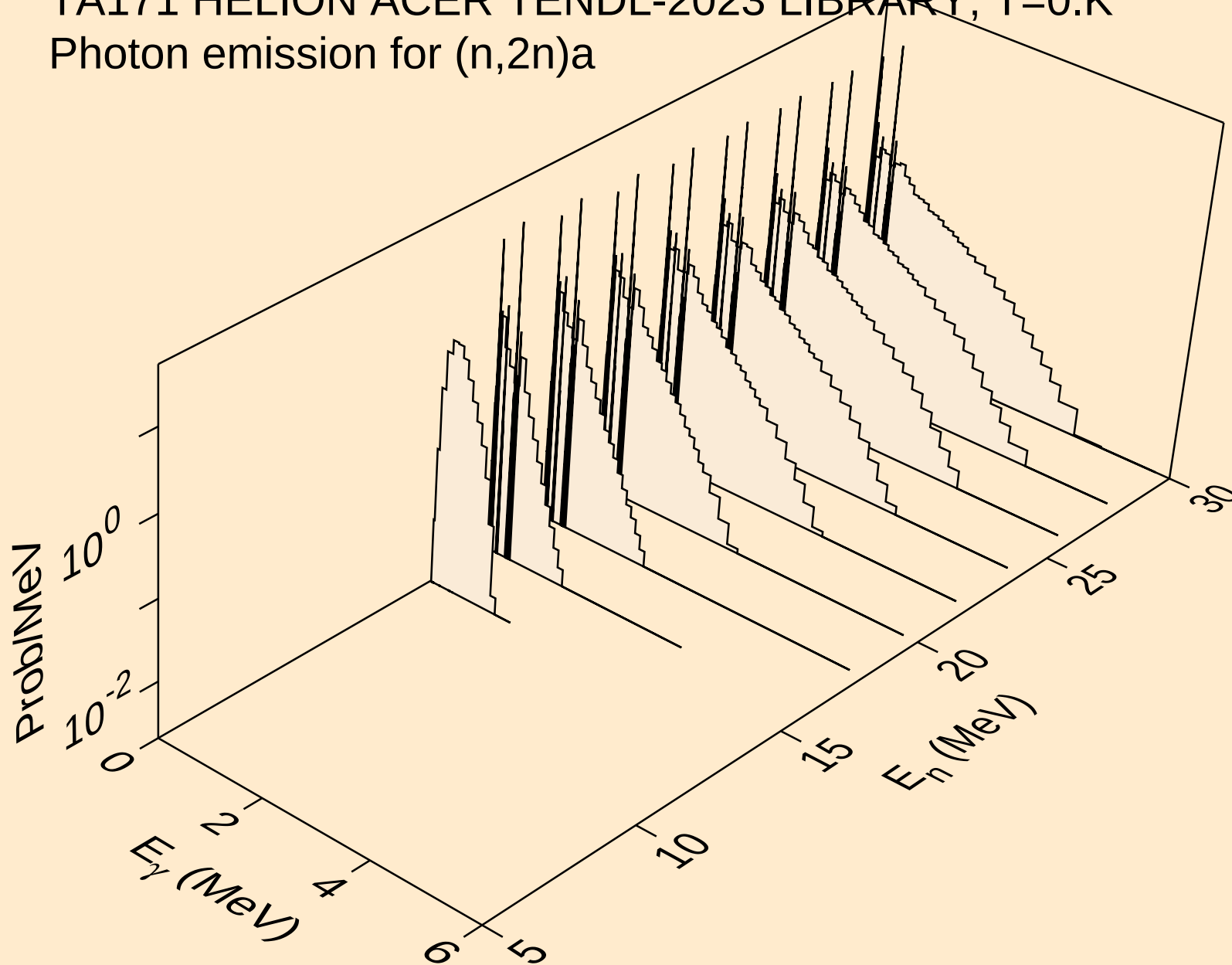
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

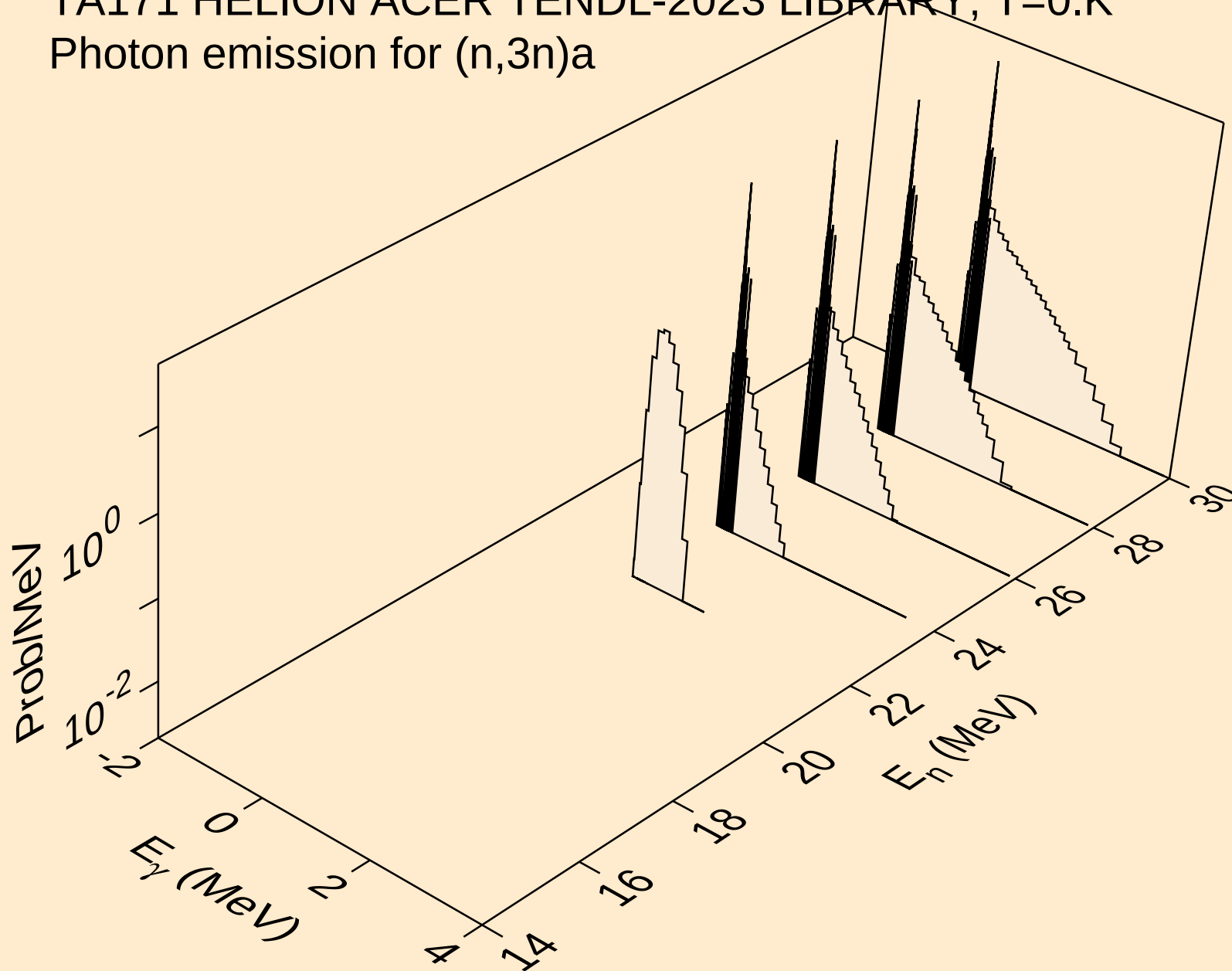


TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

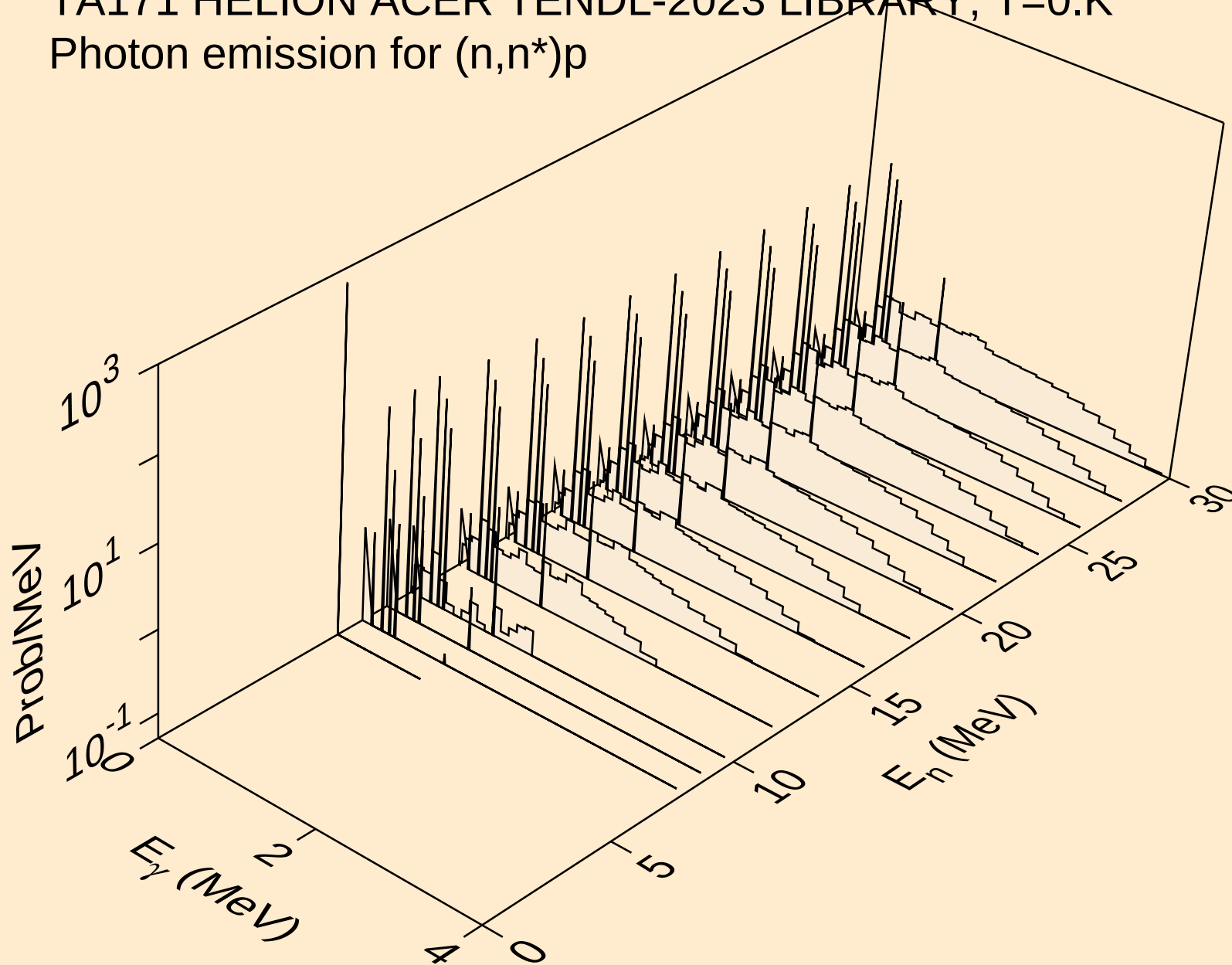


TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K

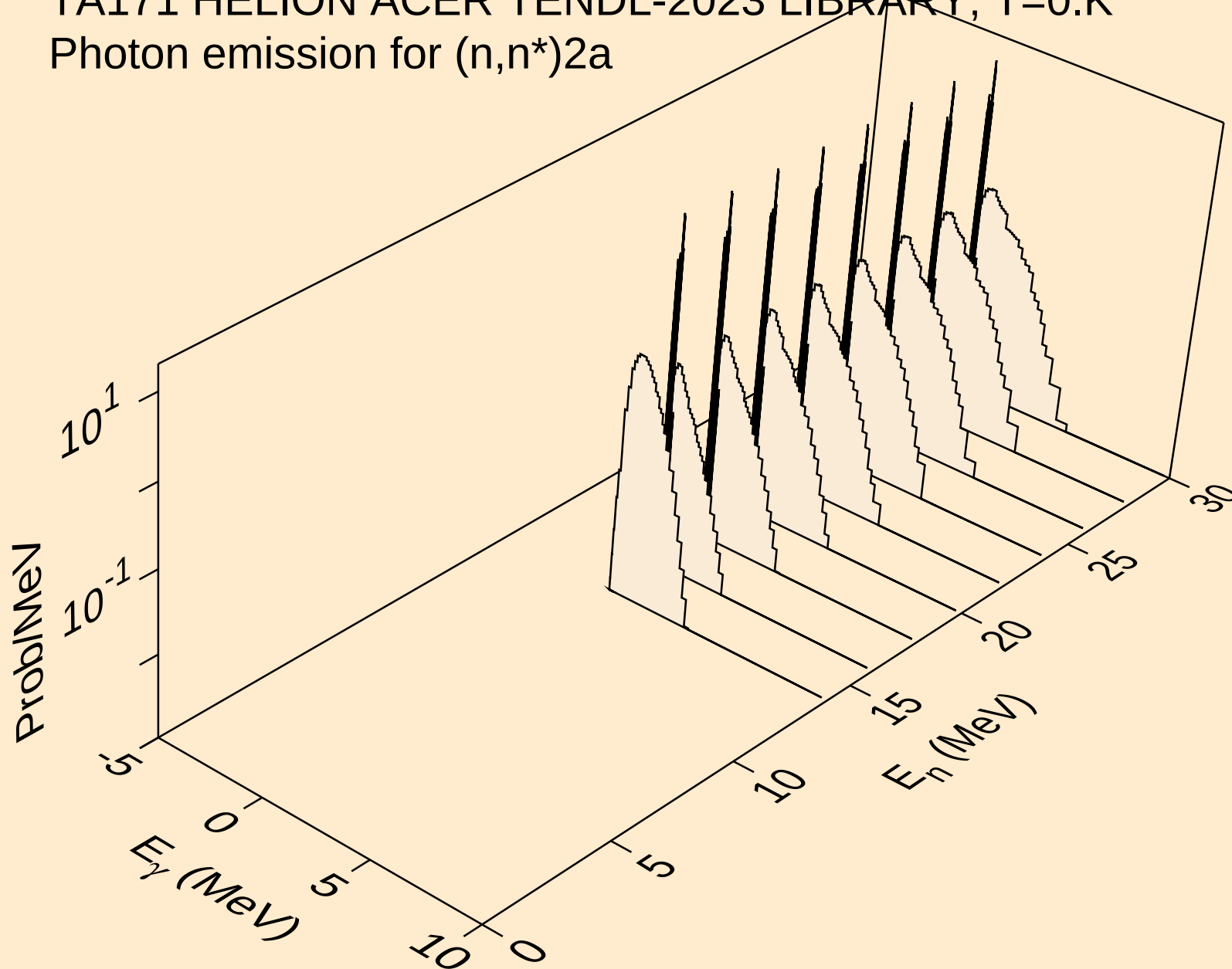
Photon emission for (n,3n) $\alpha$



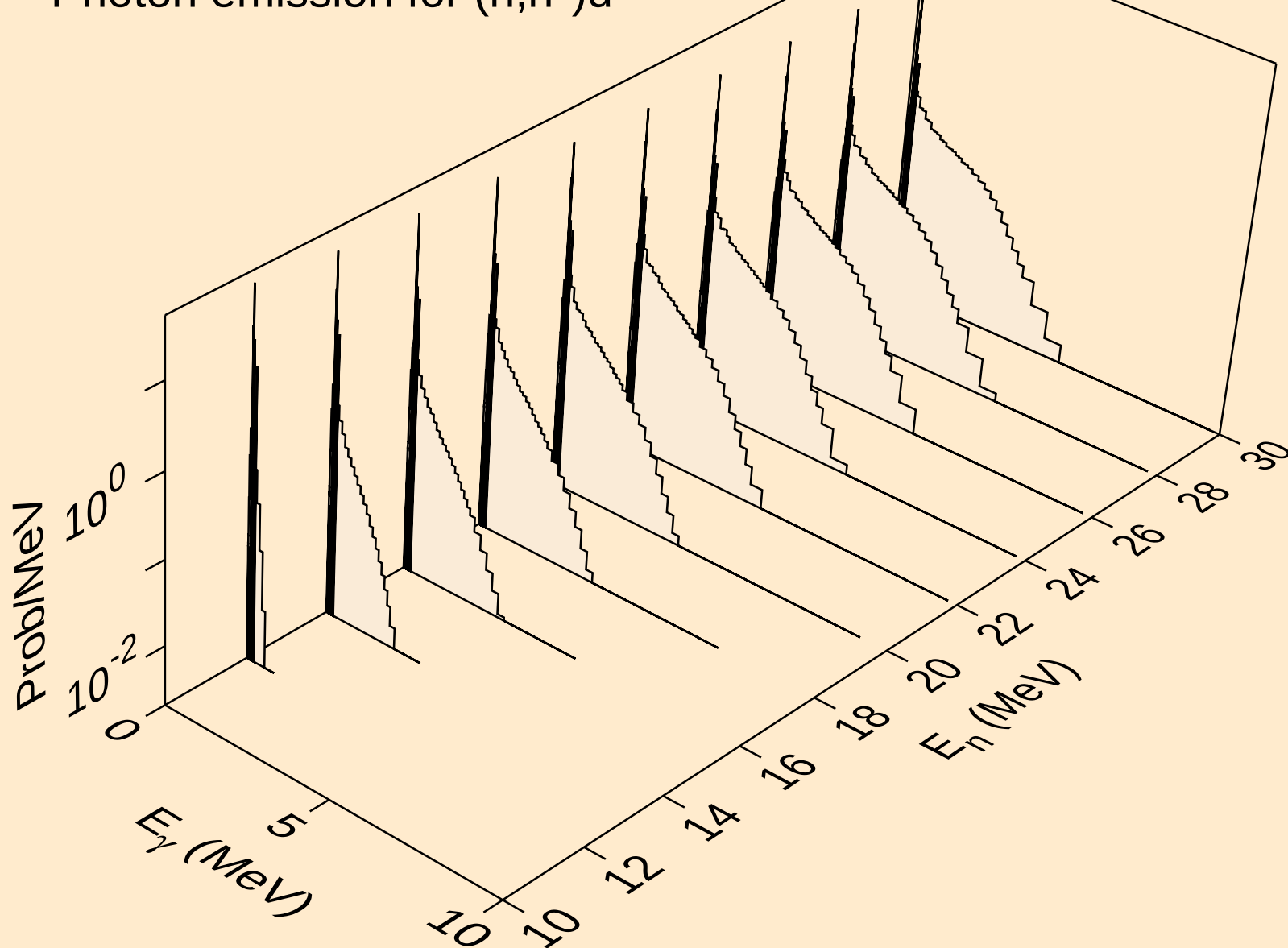
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

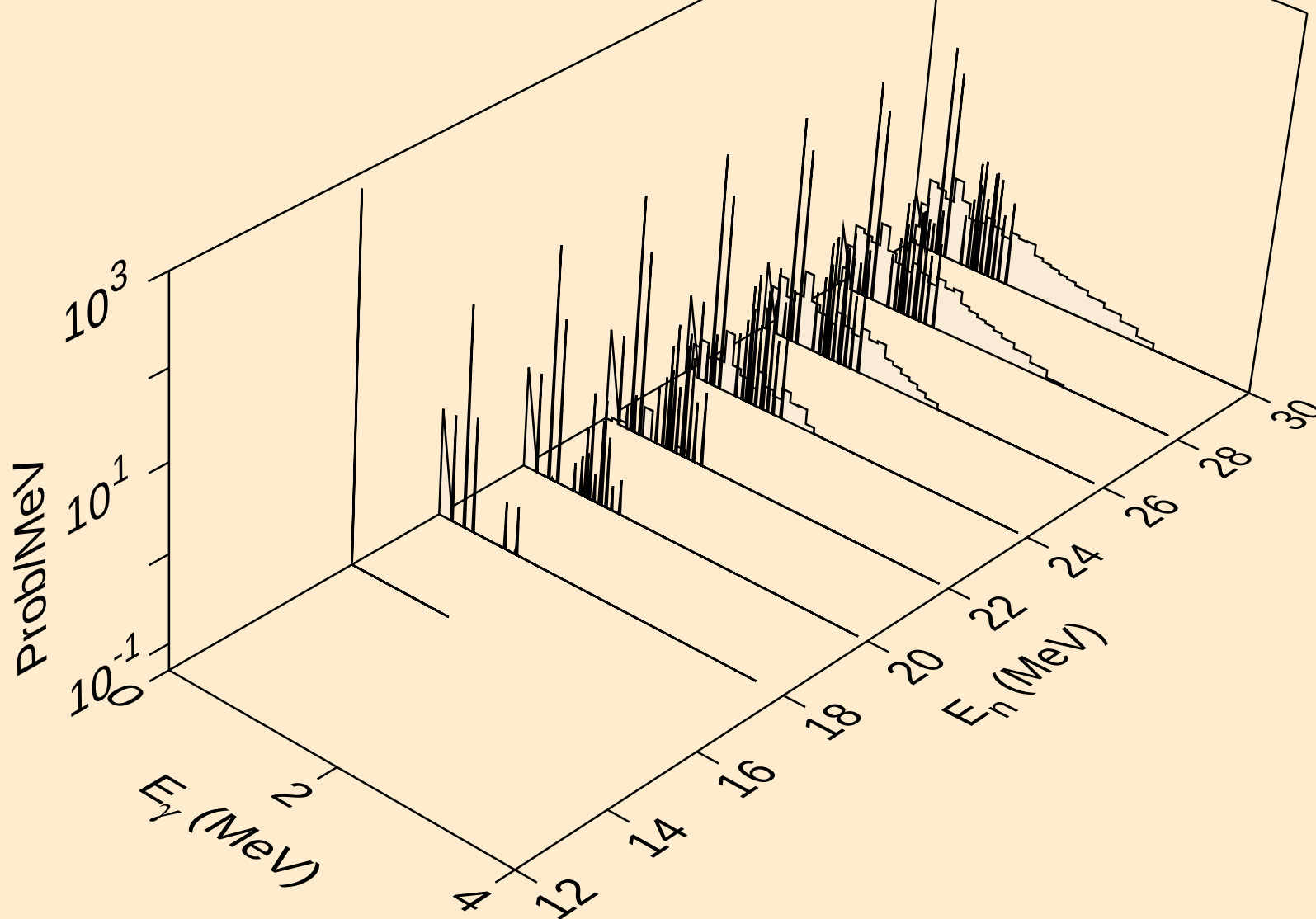


TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



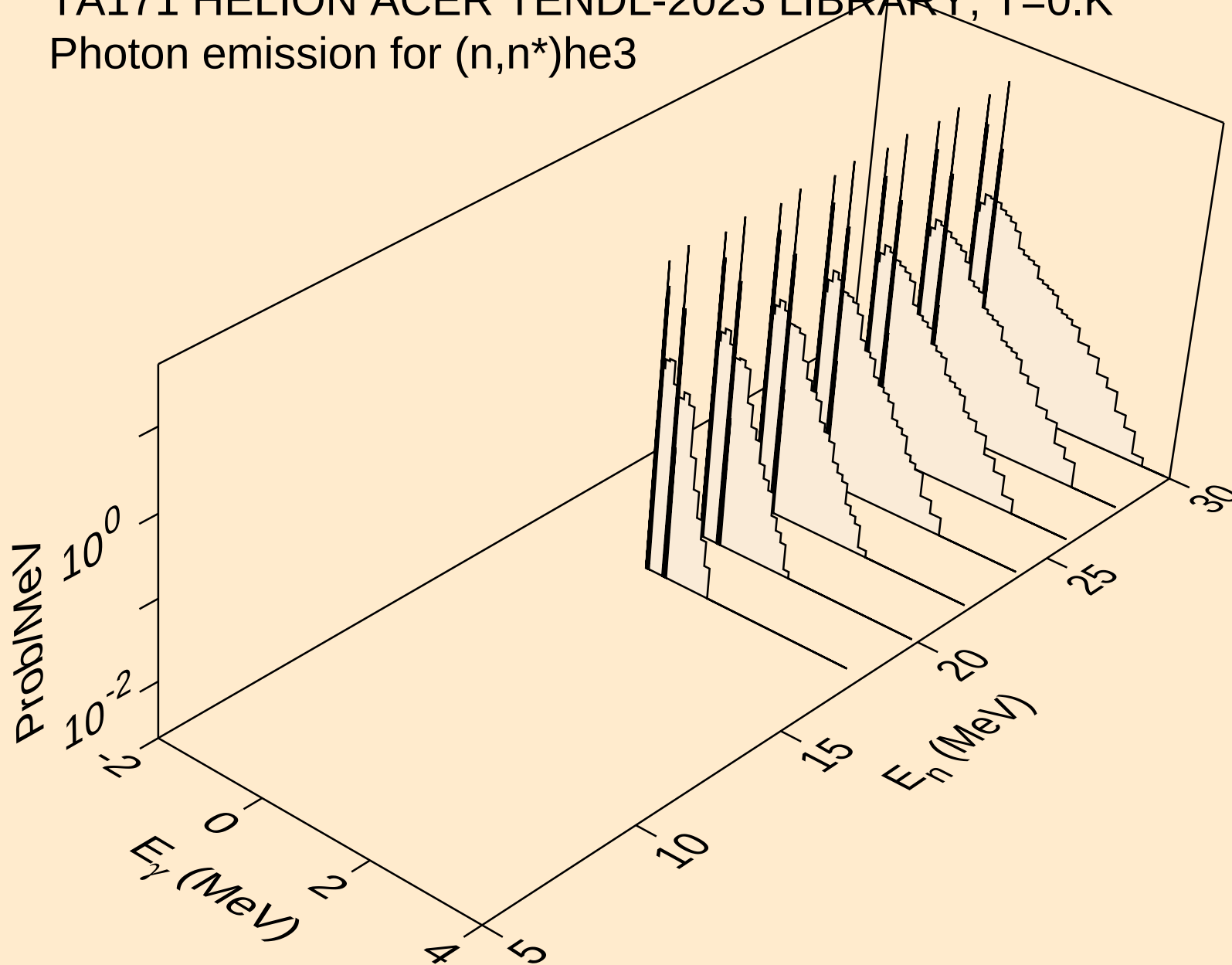
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)t

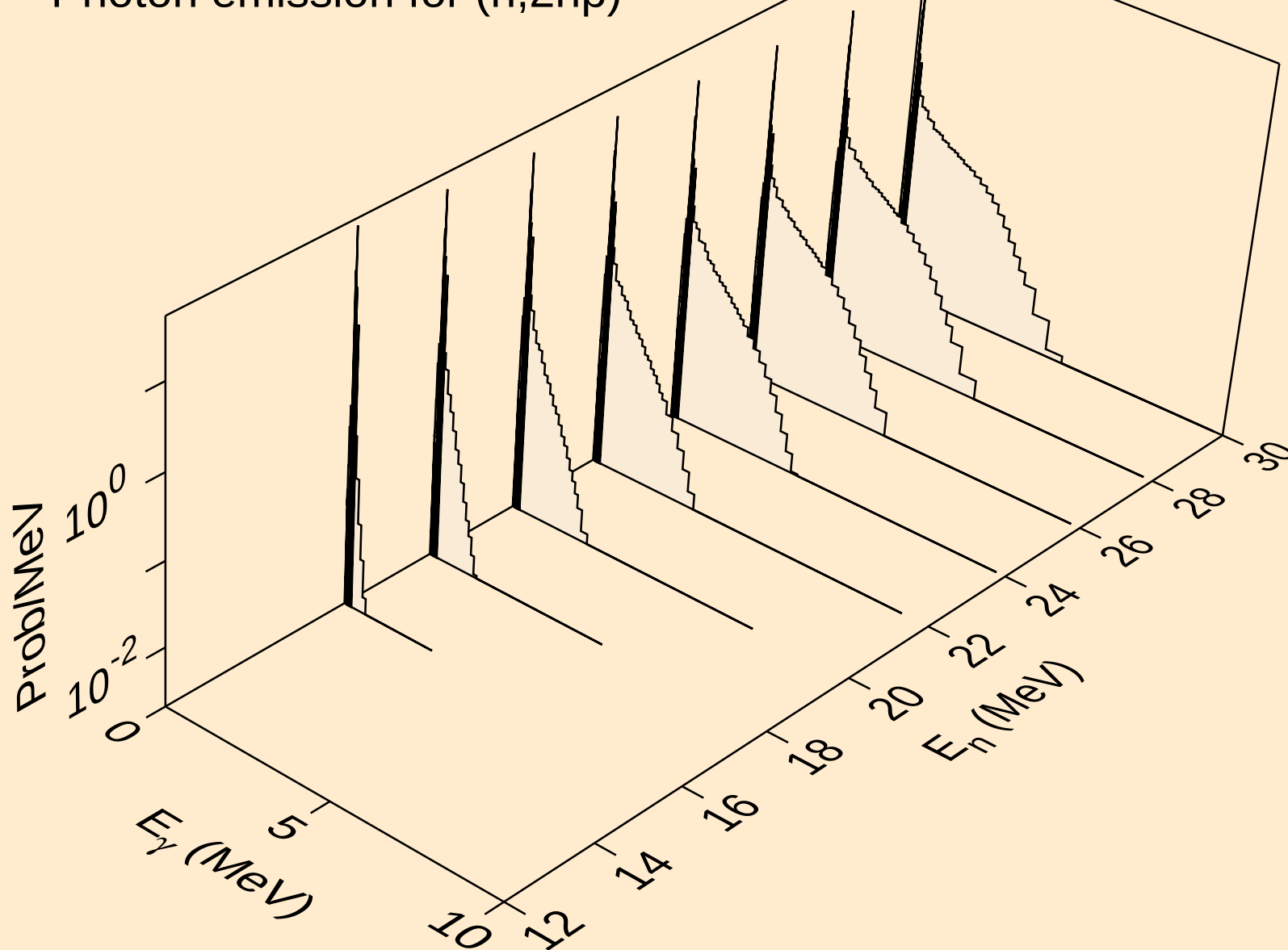


TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K

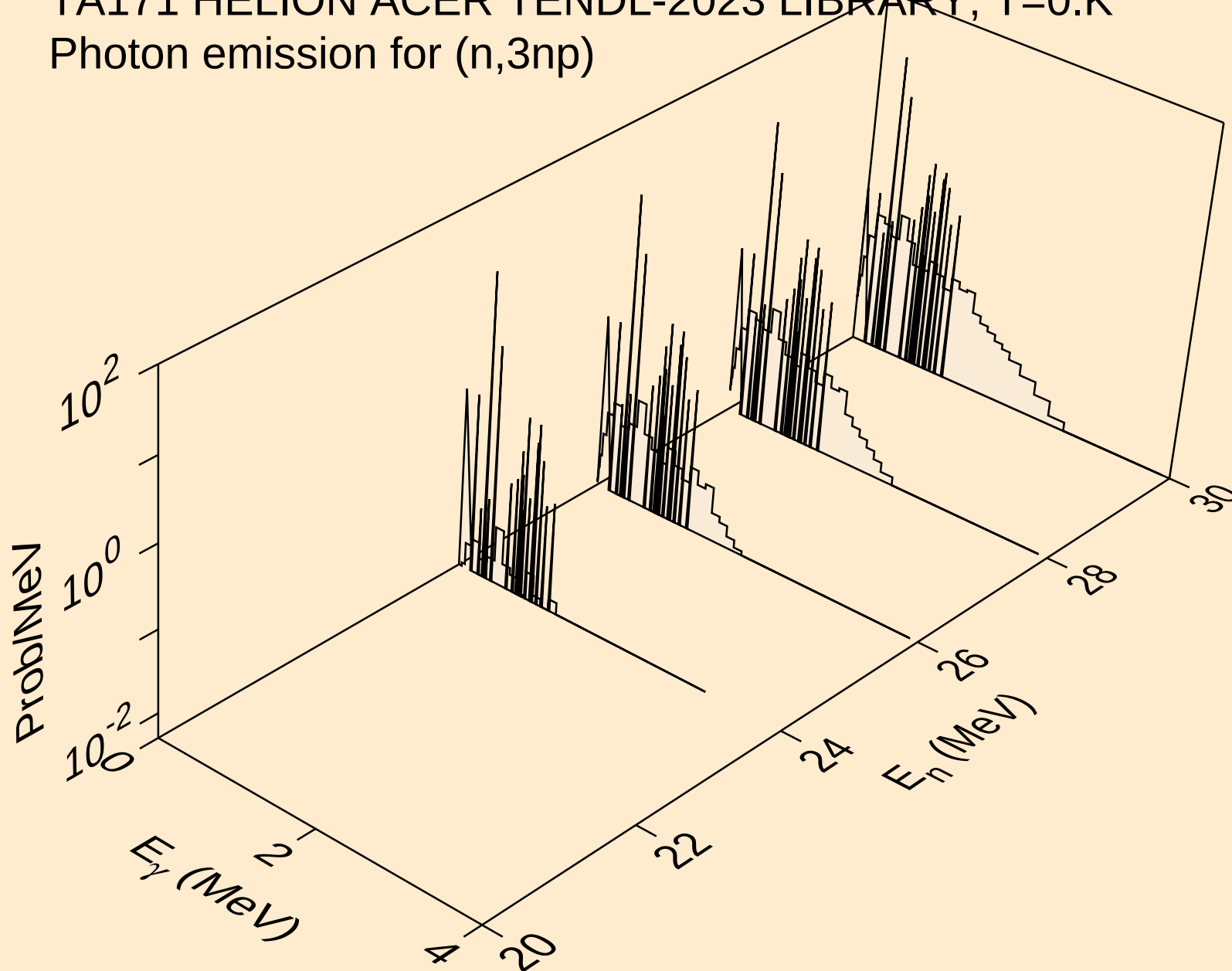
Photon emission for (n,n\*)he3



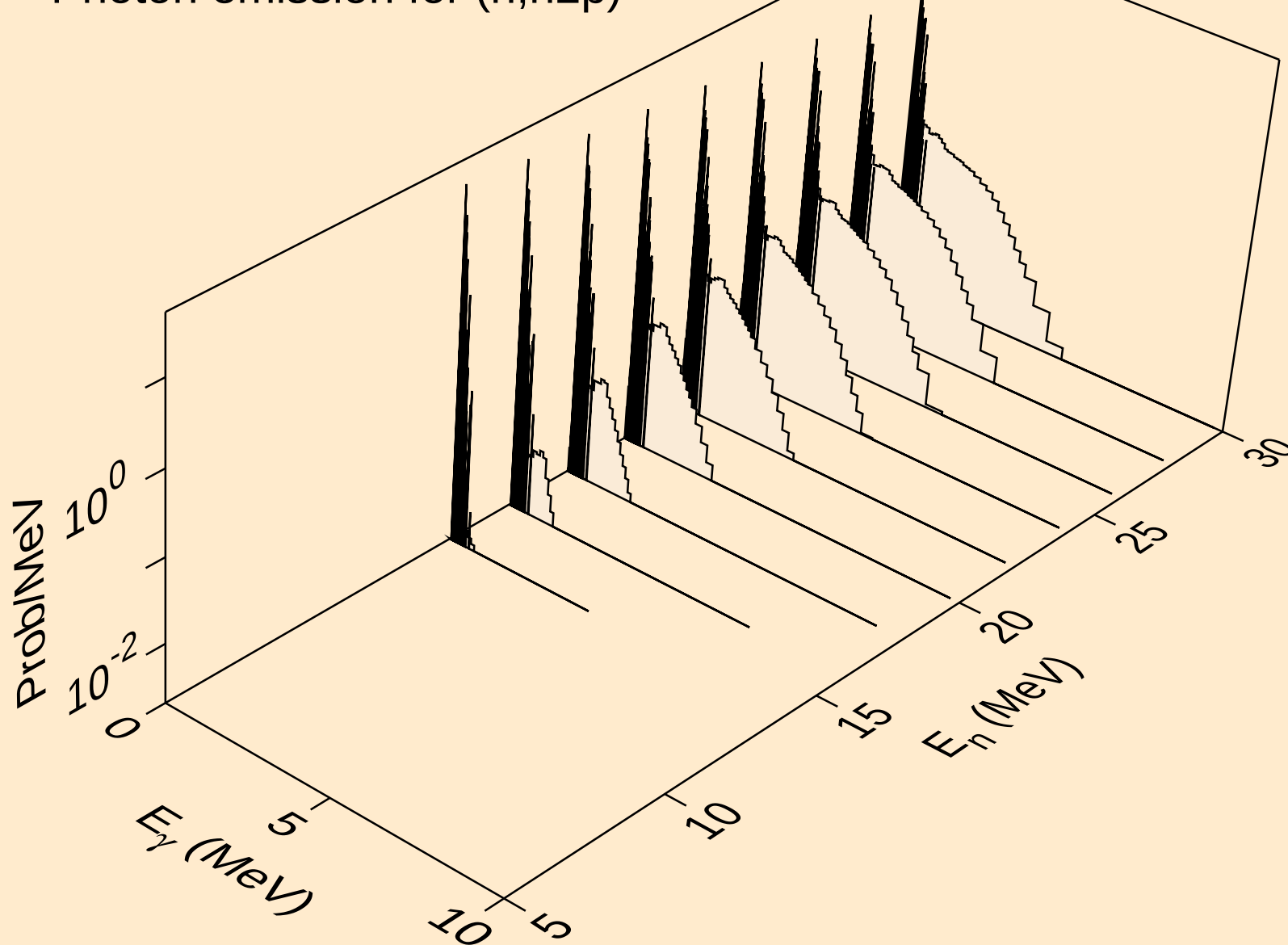
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



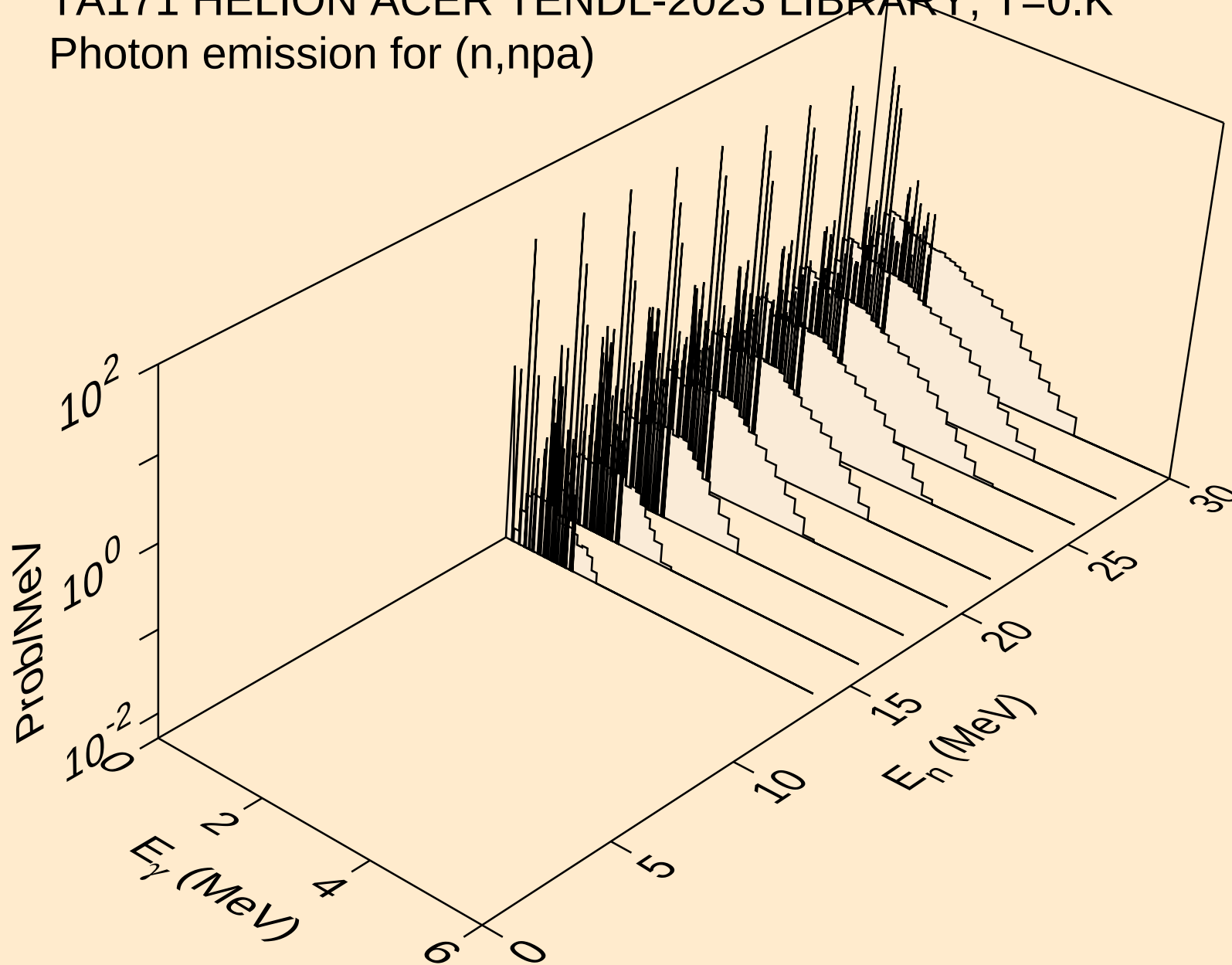
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



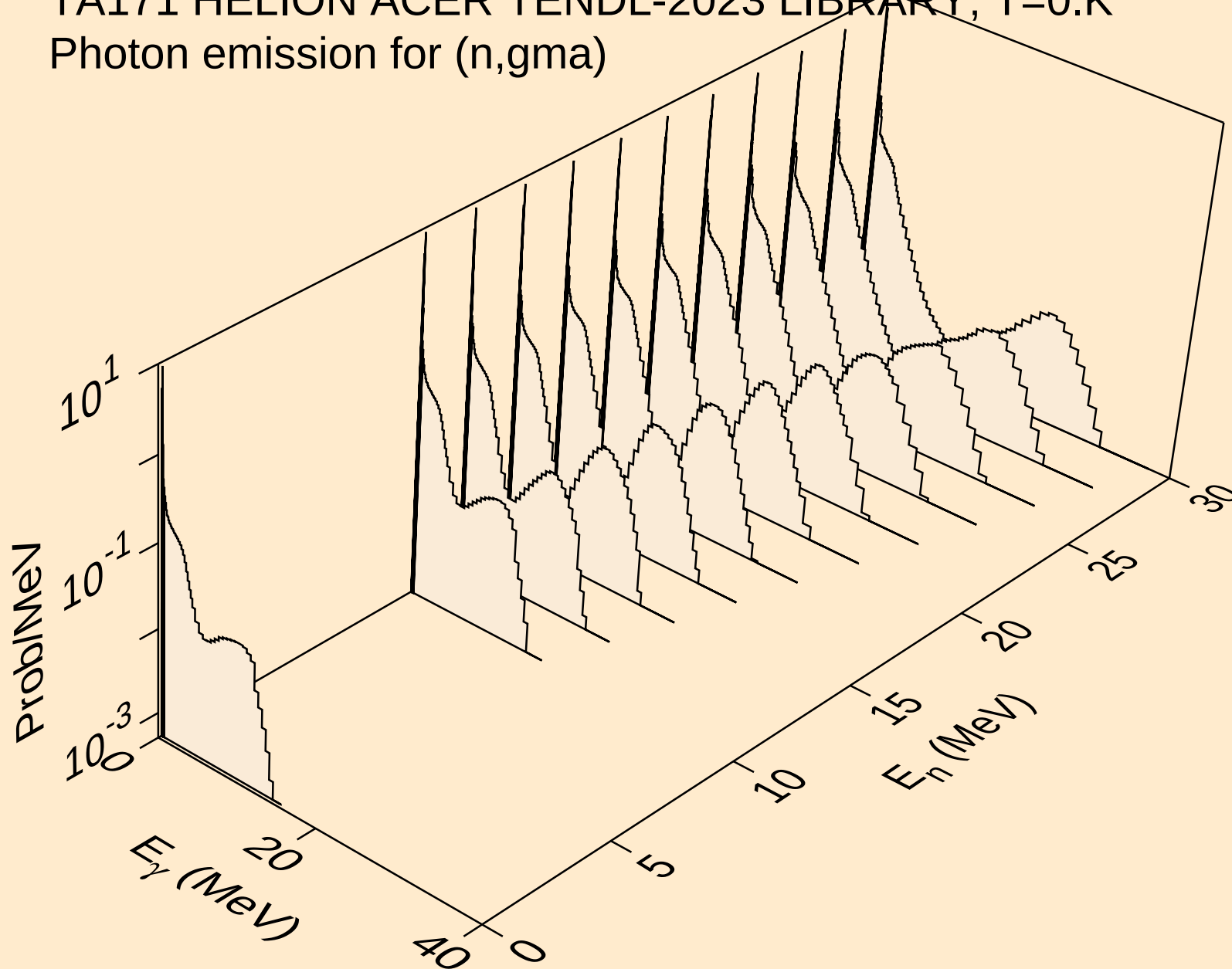
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



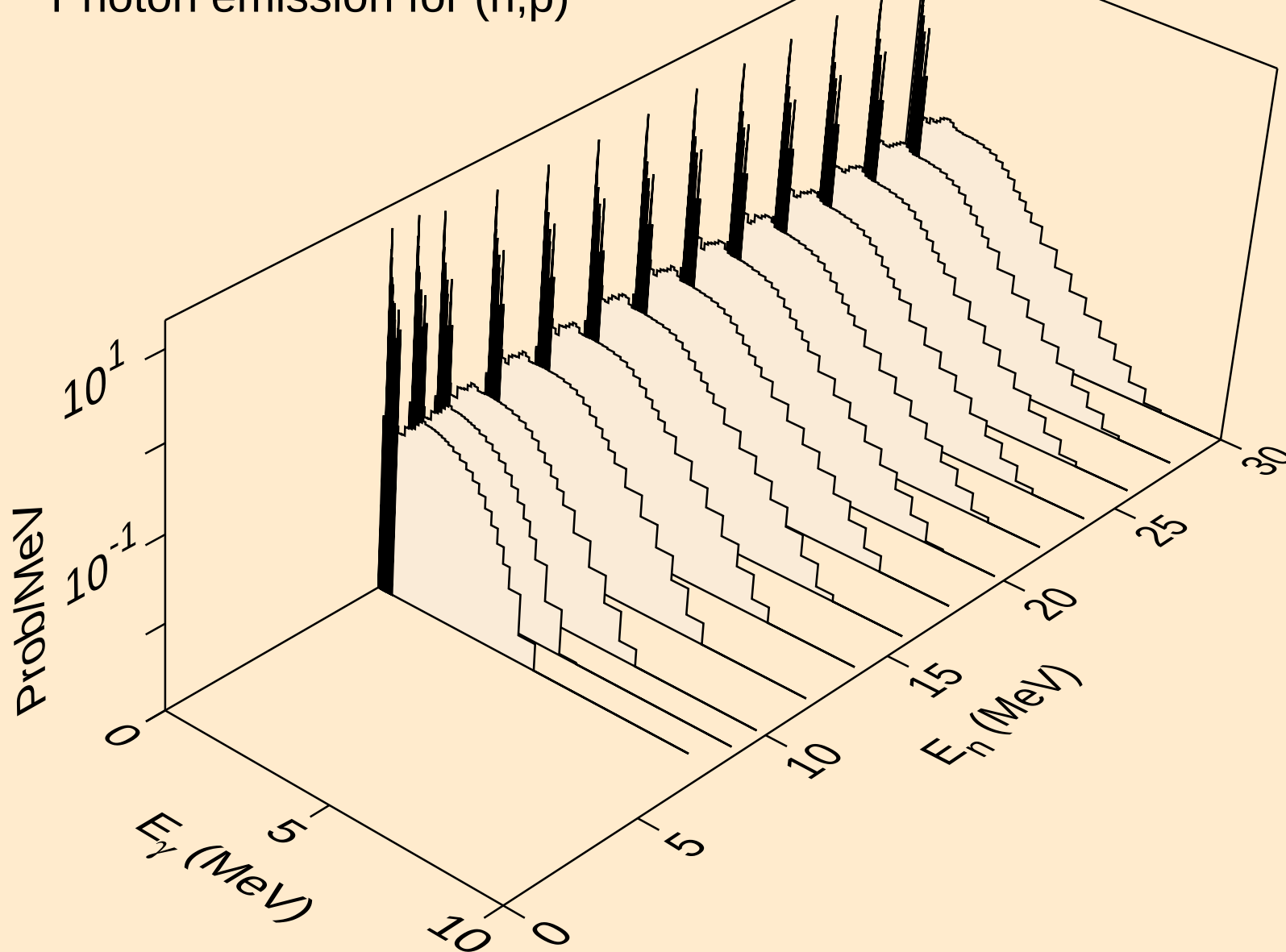
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



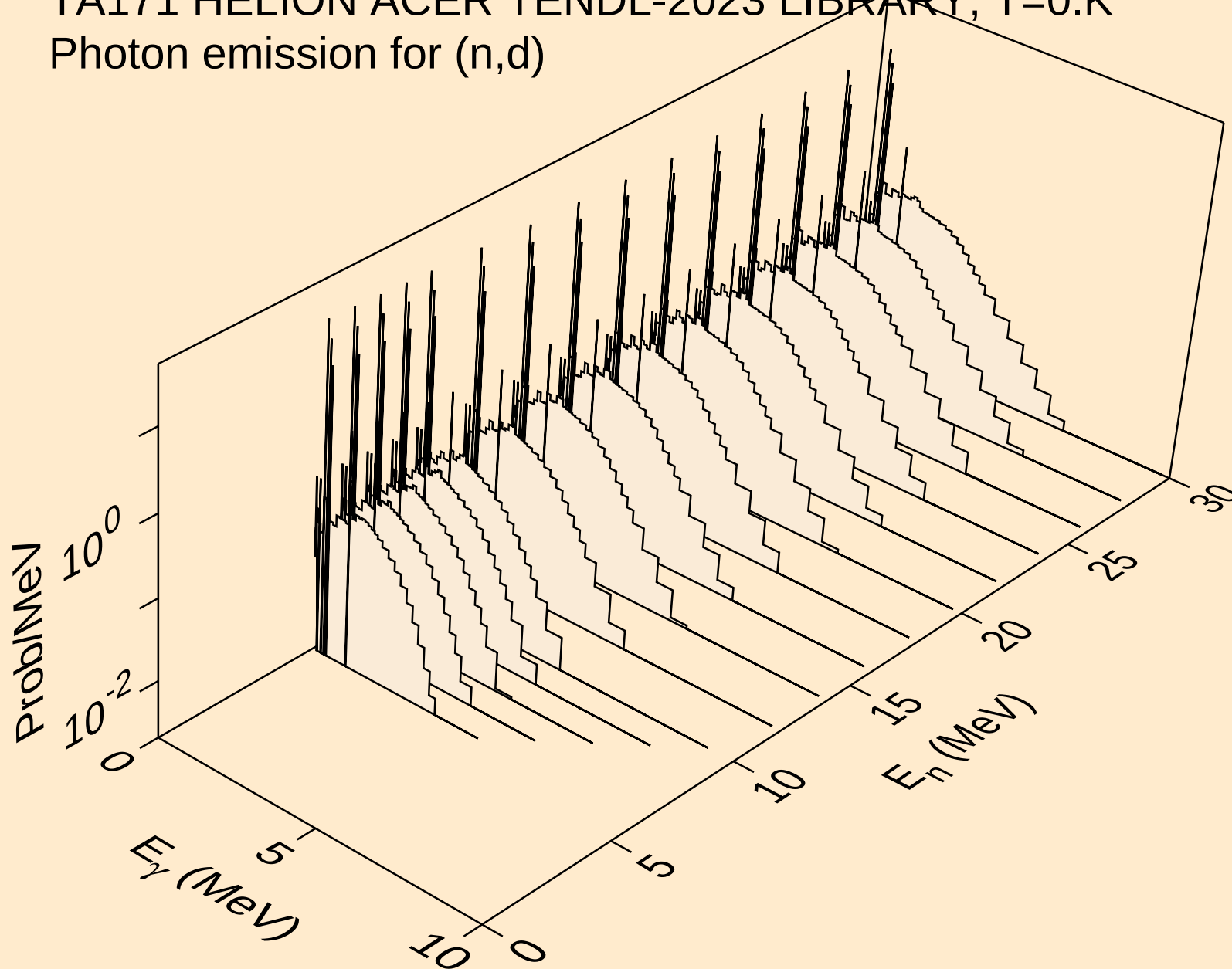
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



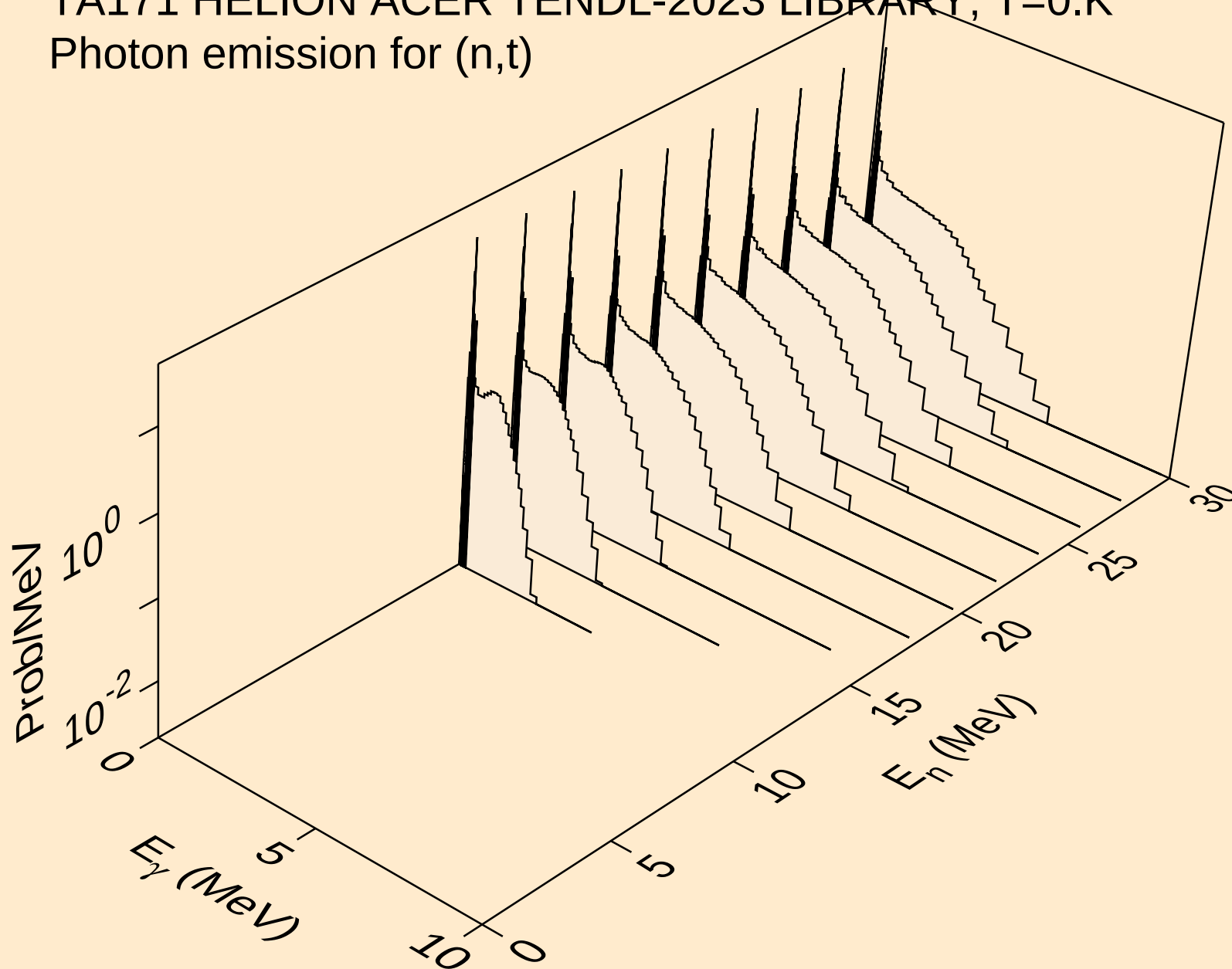
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



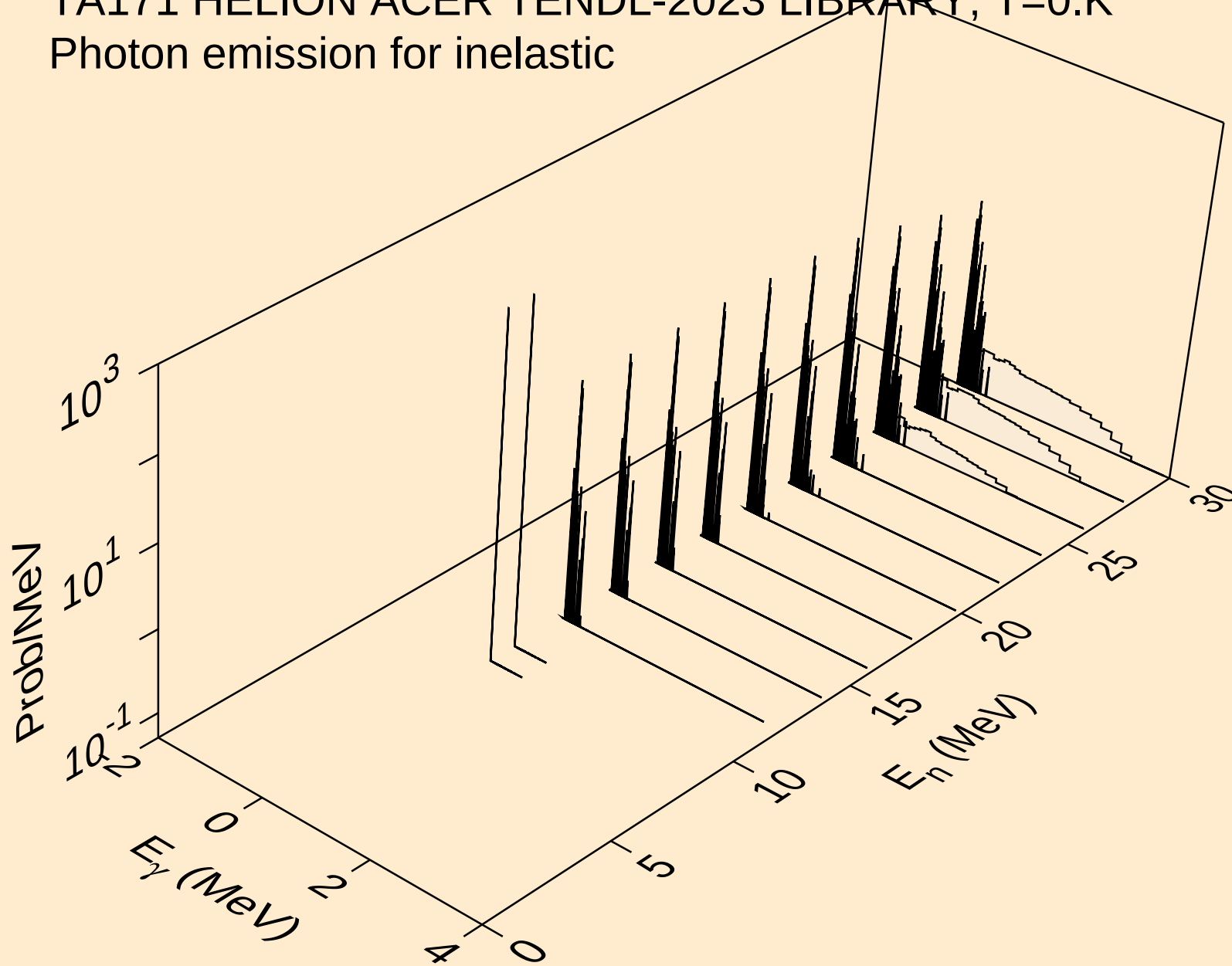
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



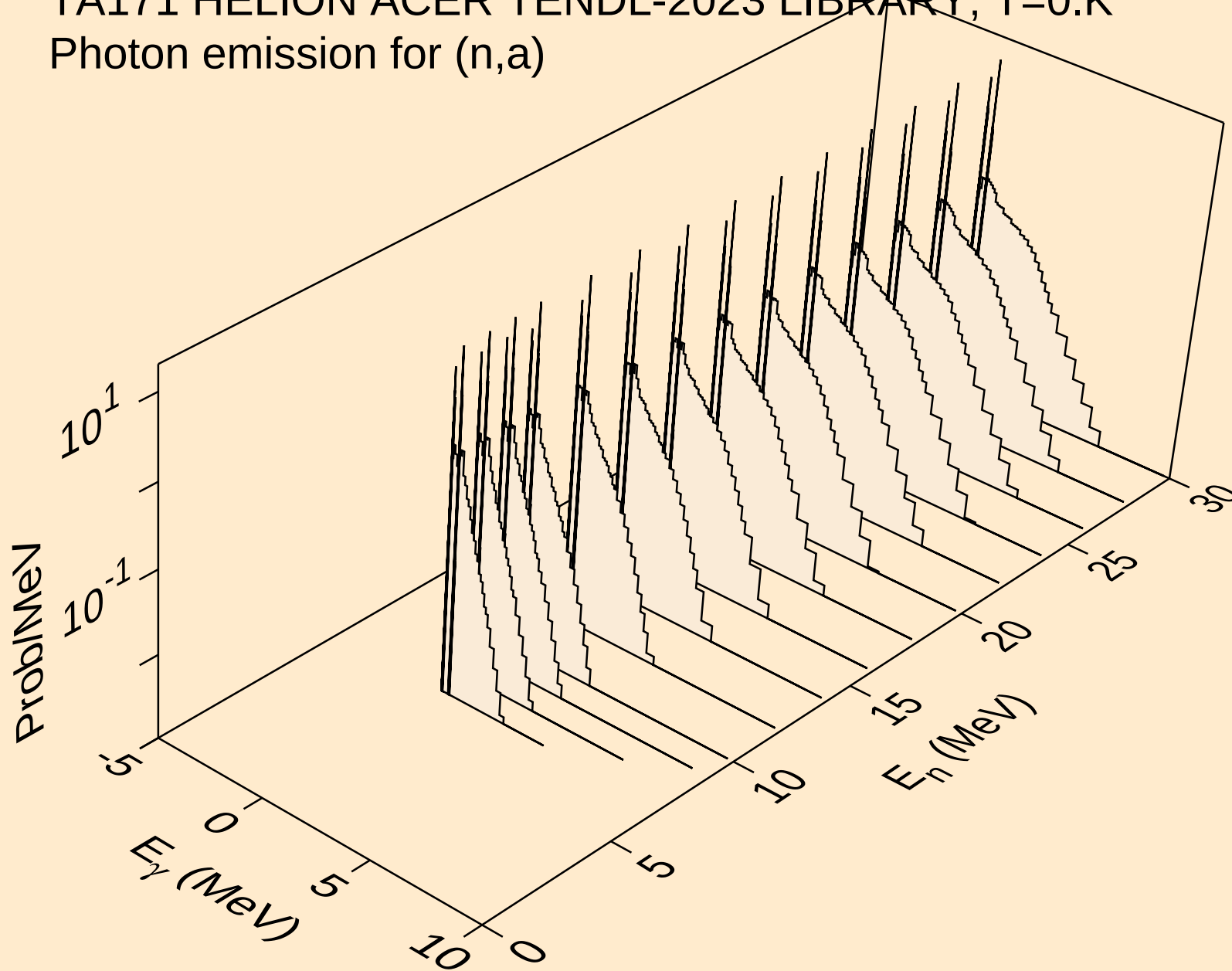
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



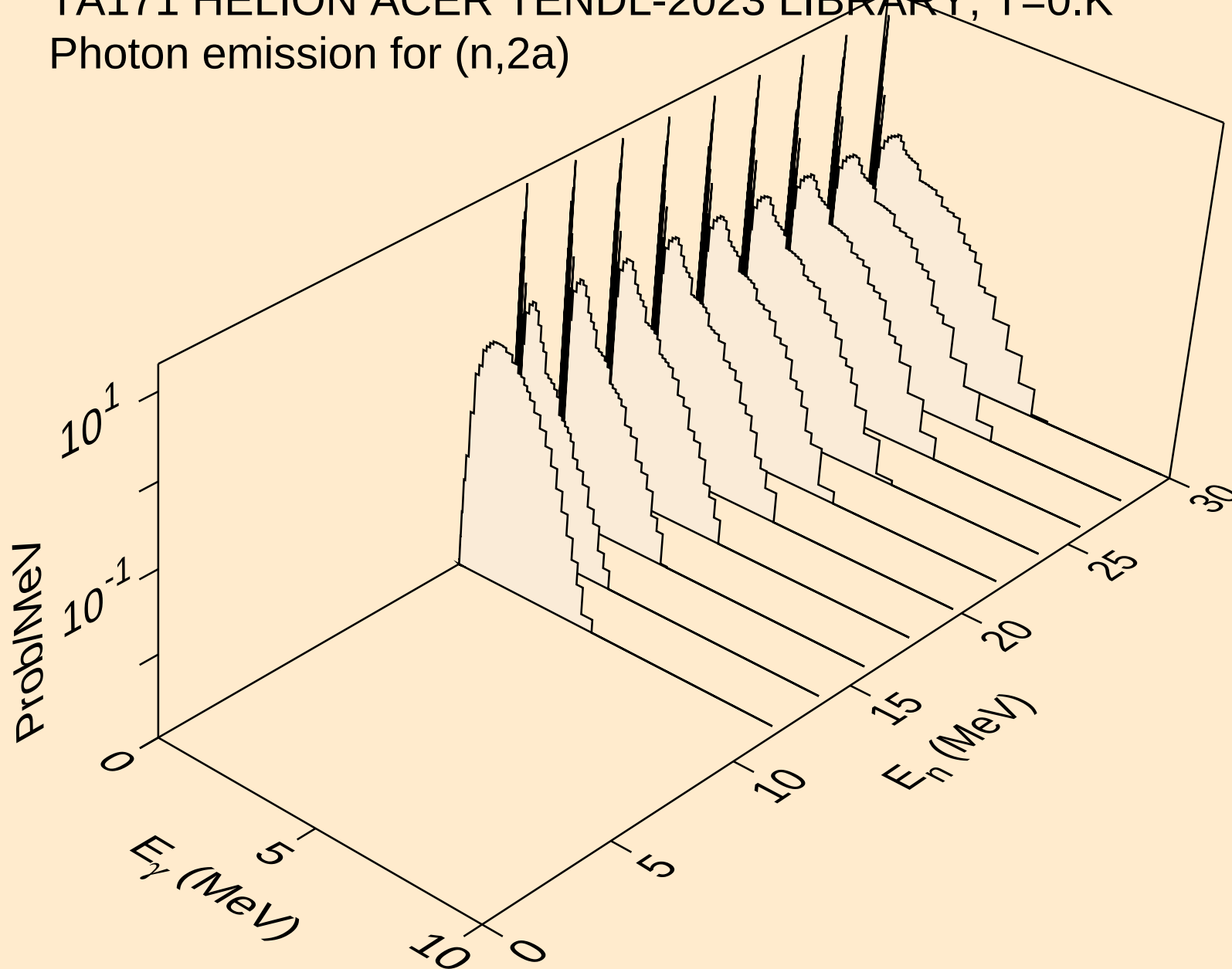
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



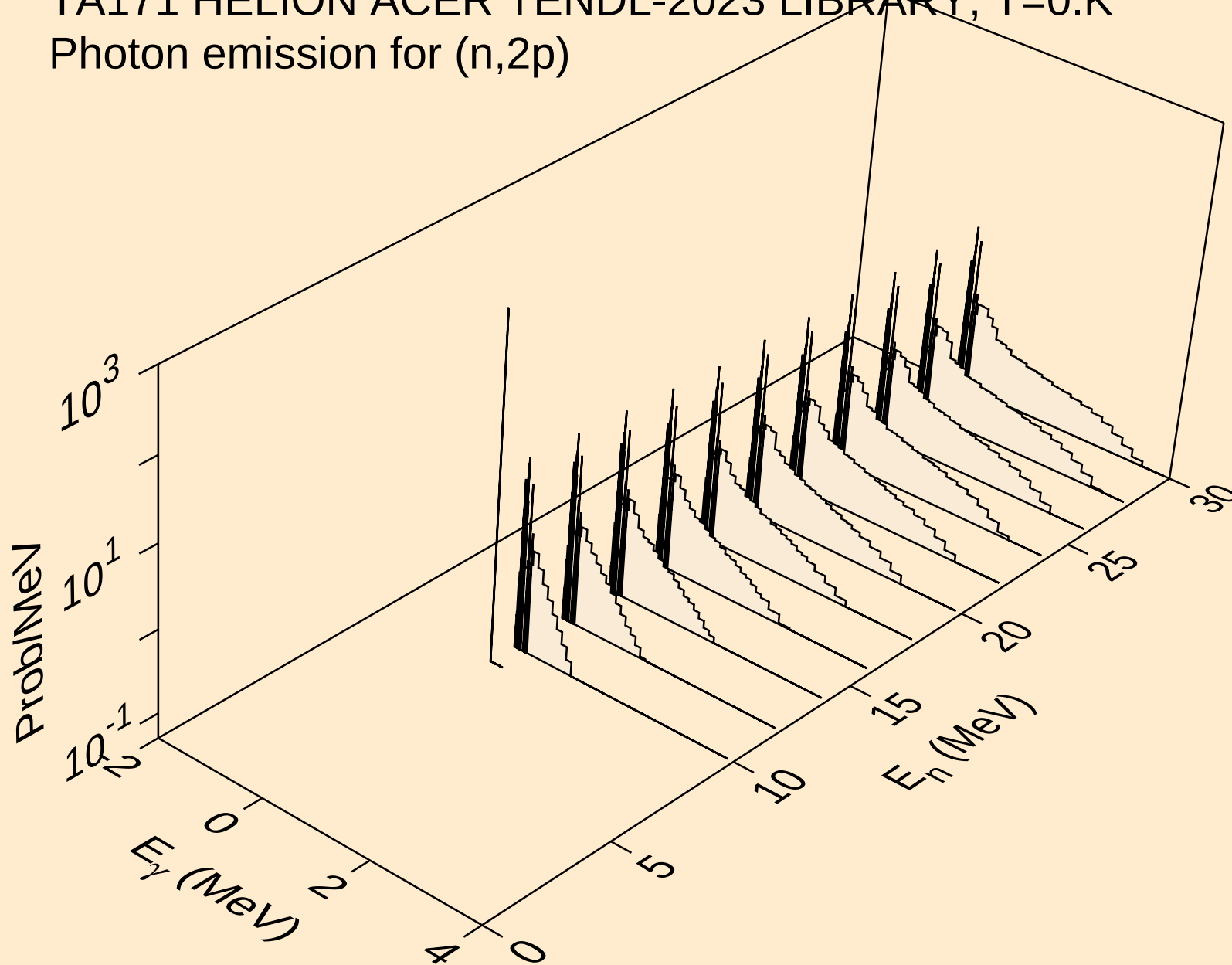
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



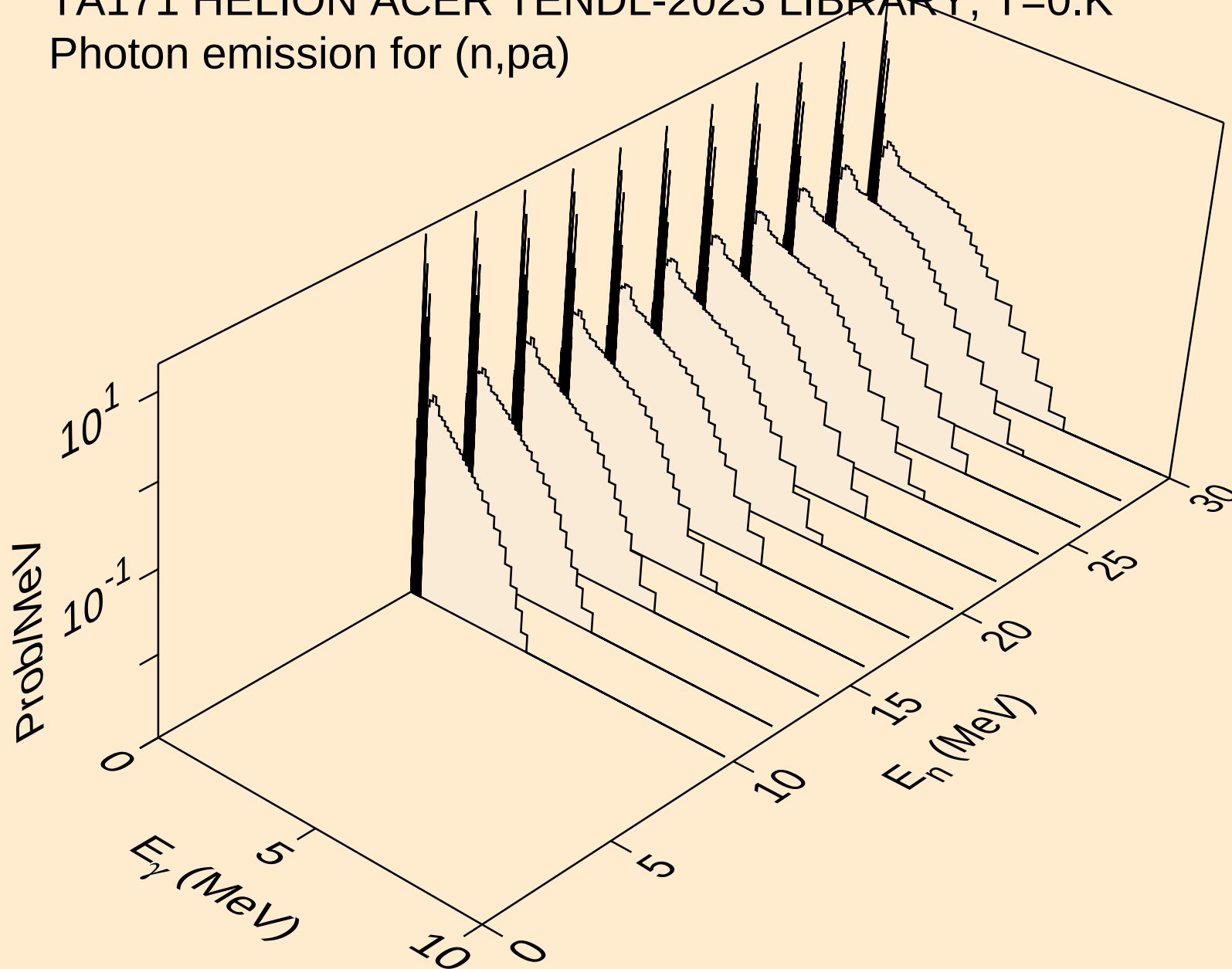
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



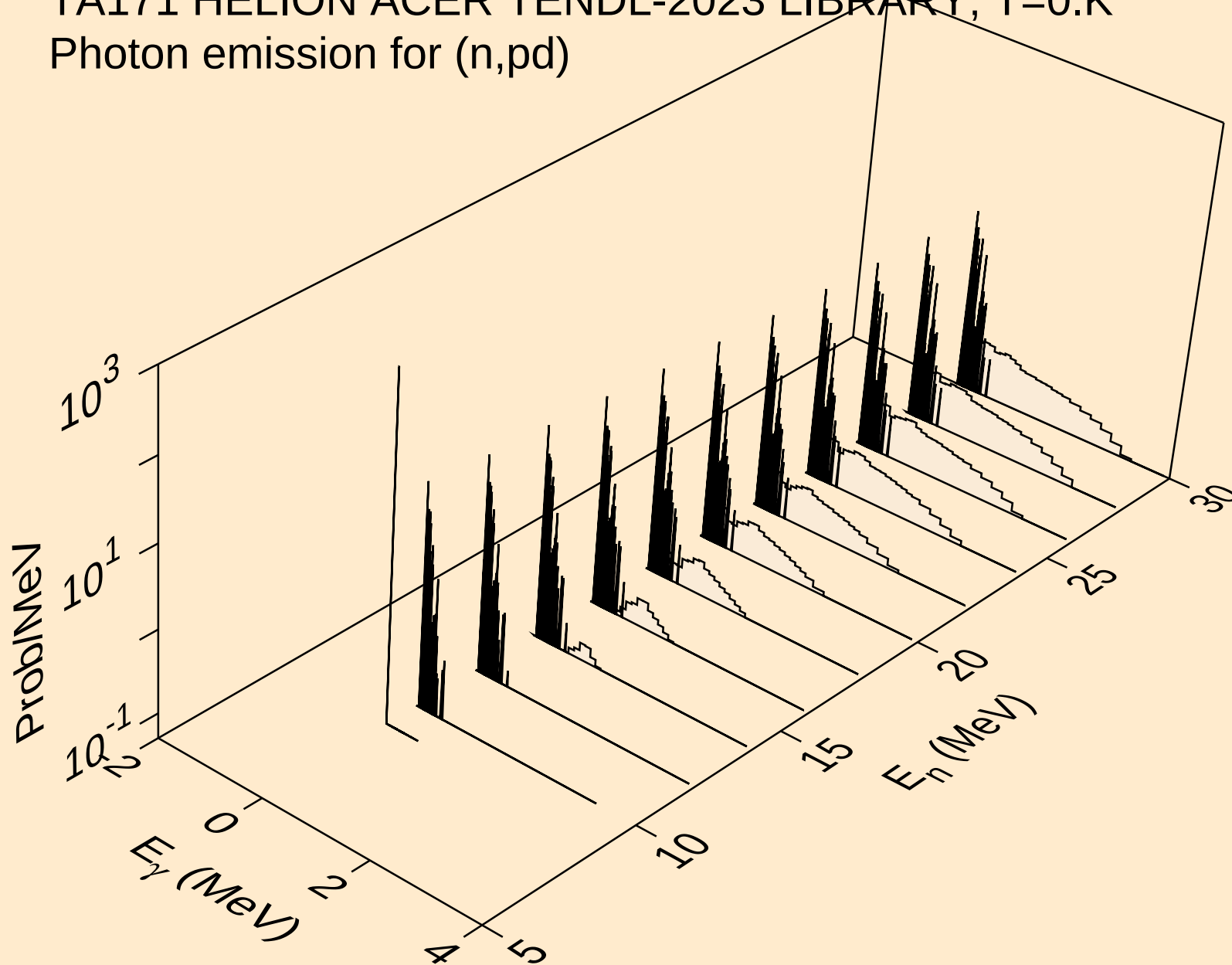
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



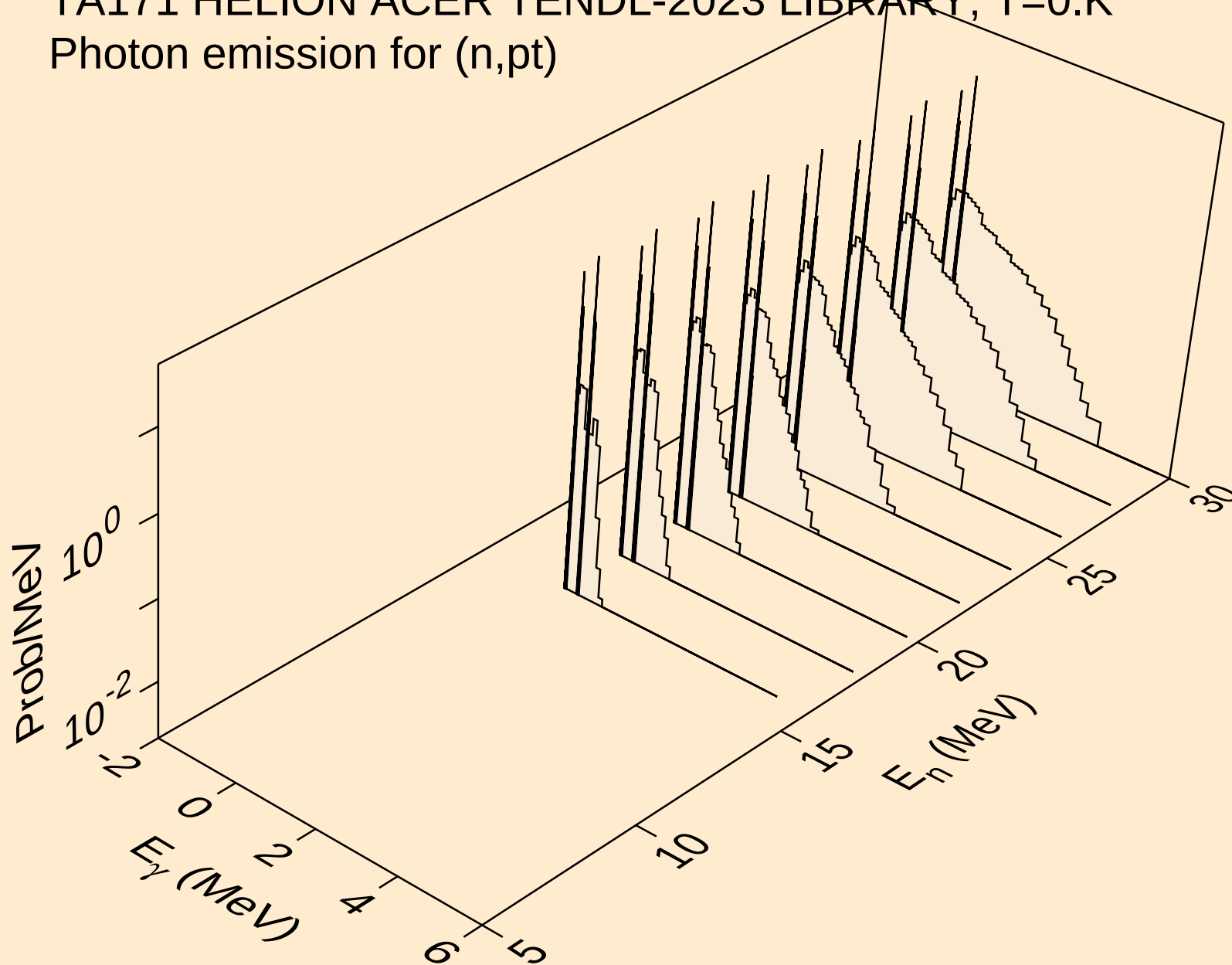
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)



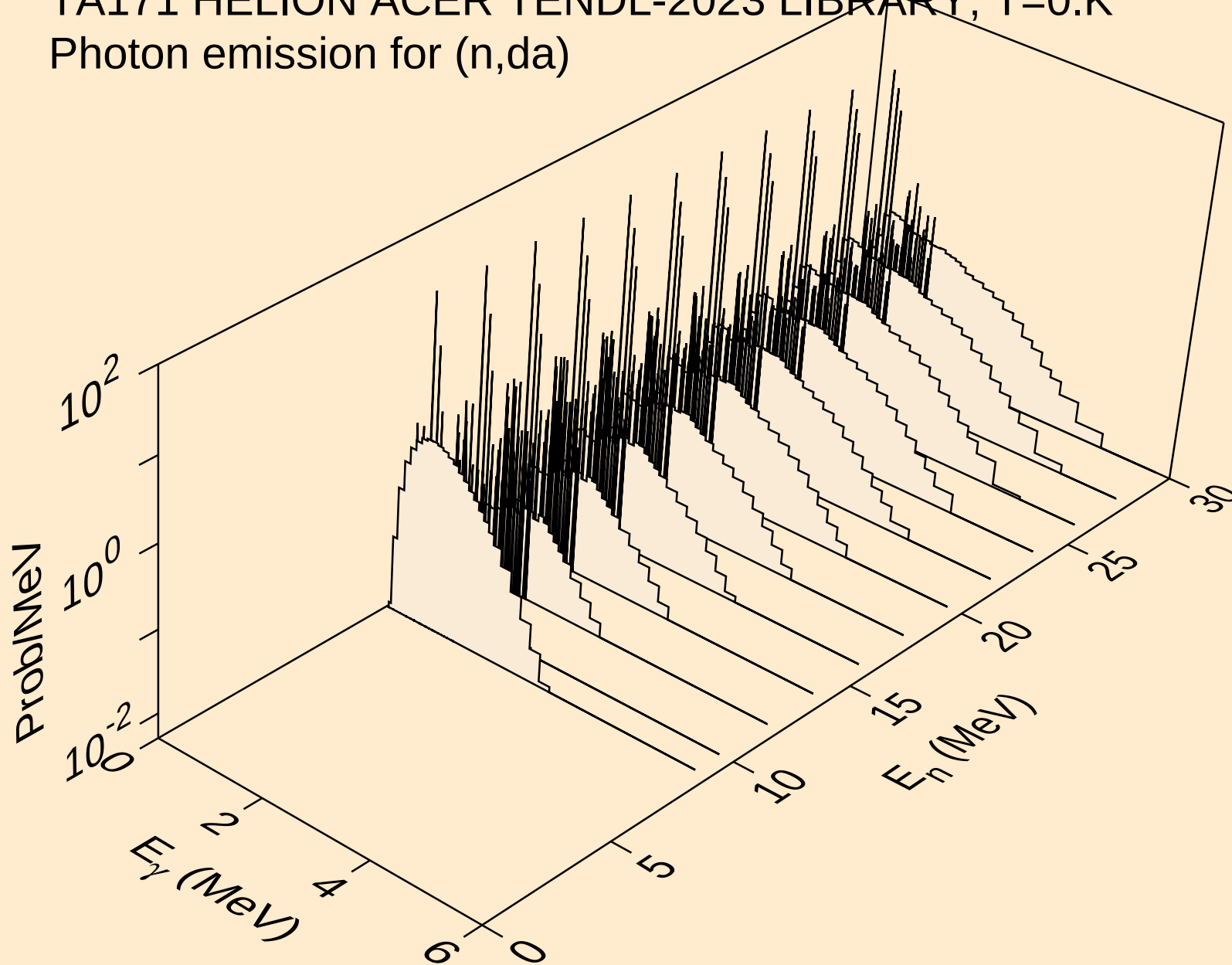
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

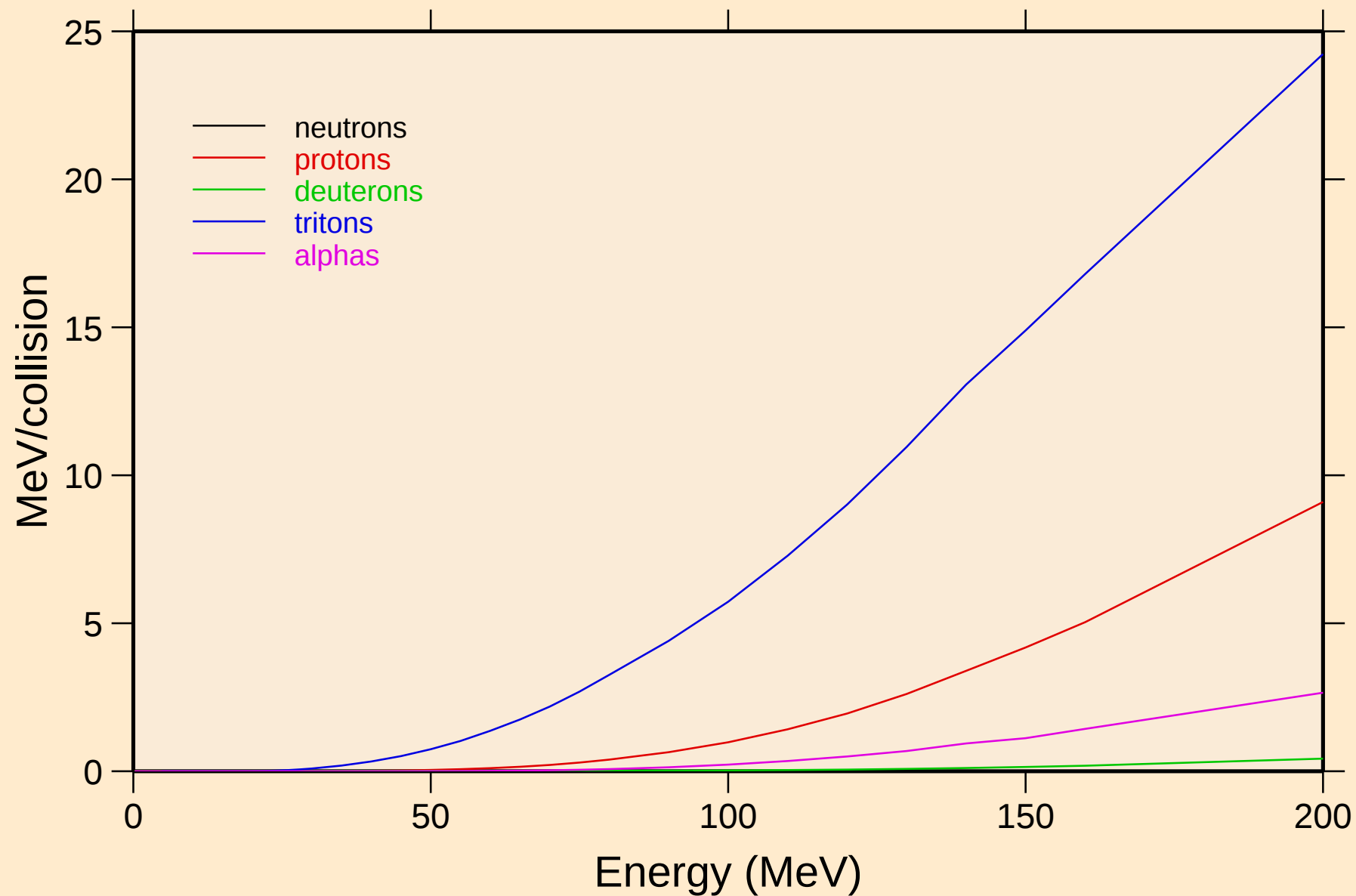


TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



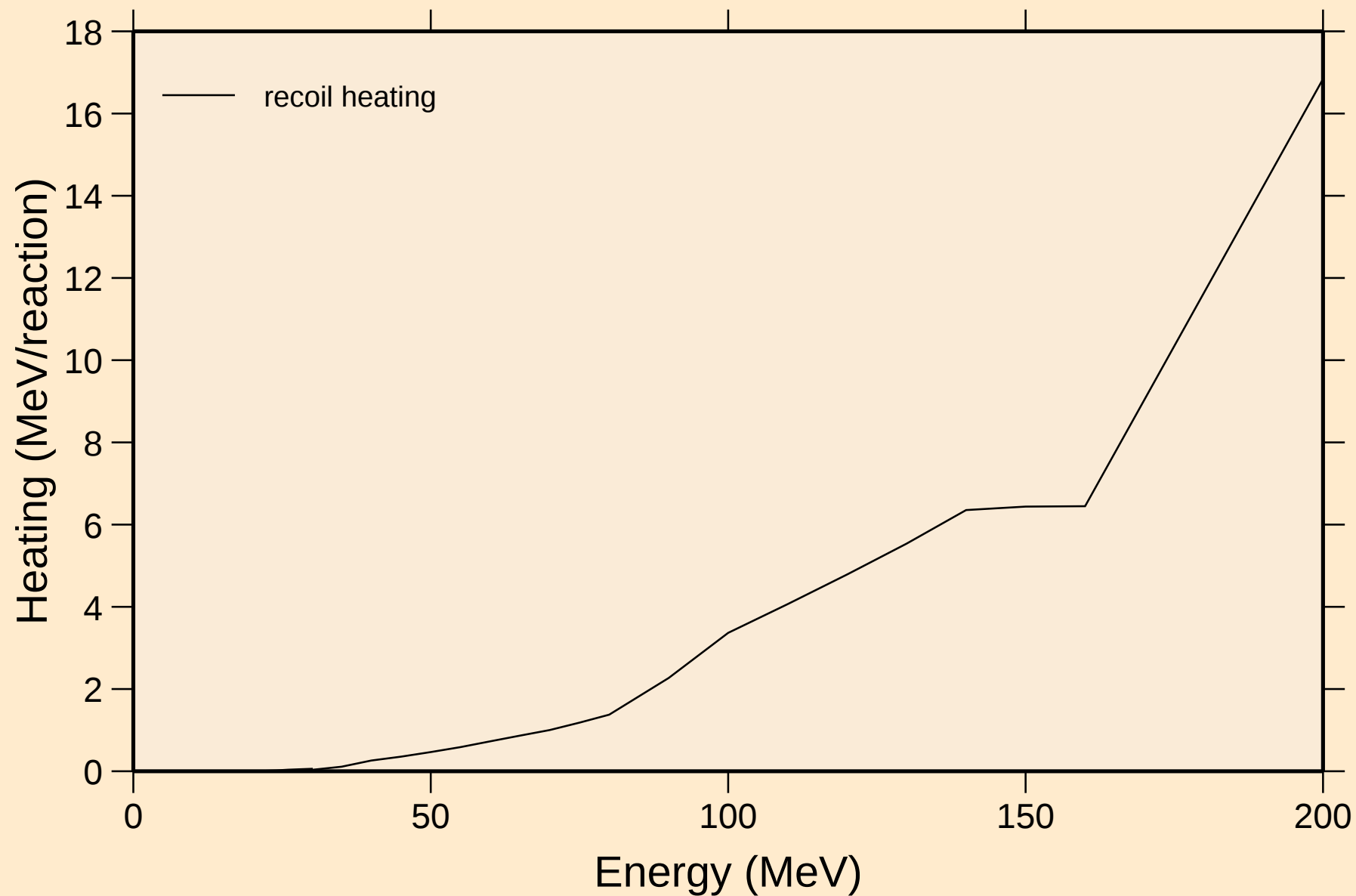
# TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



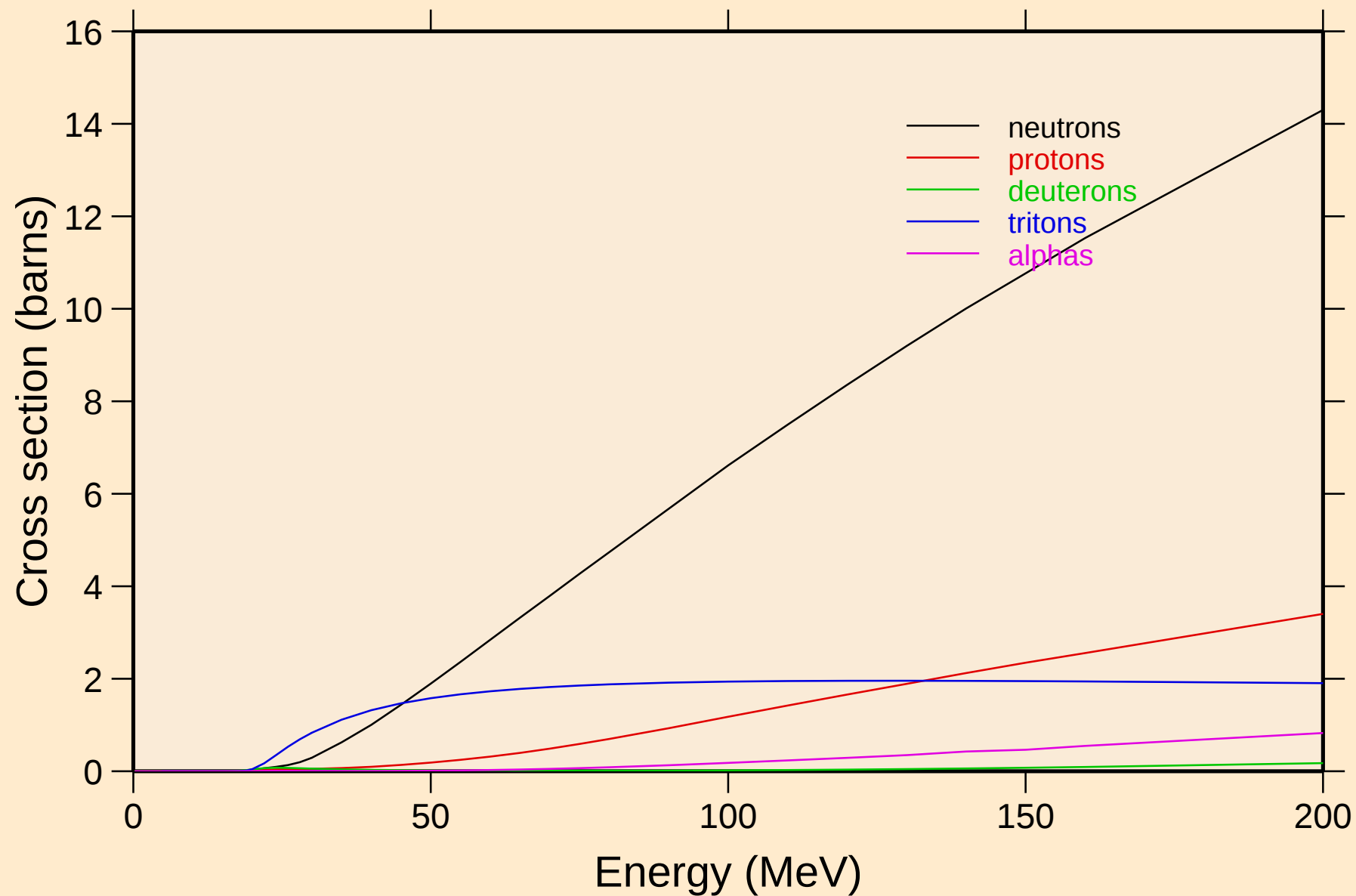
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Recoil Heating

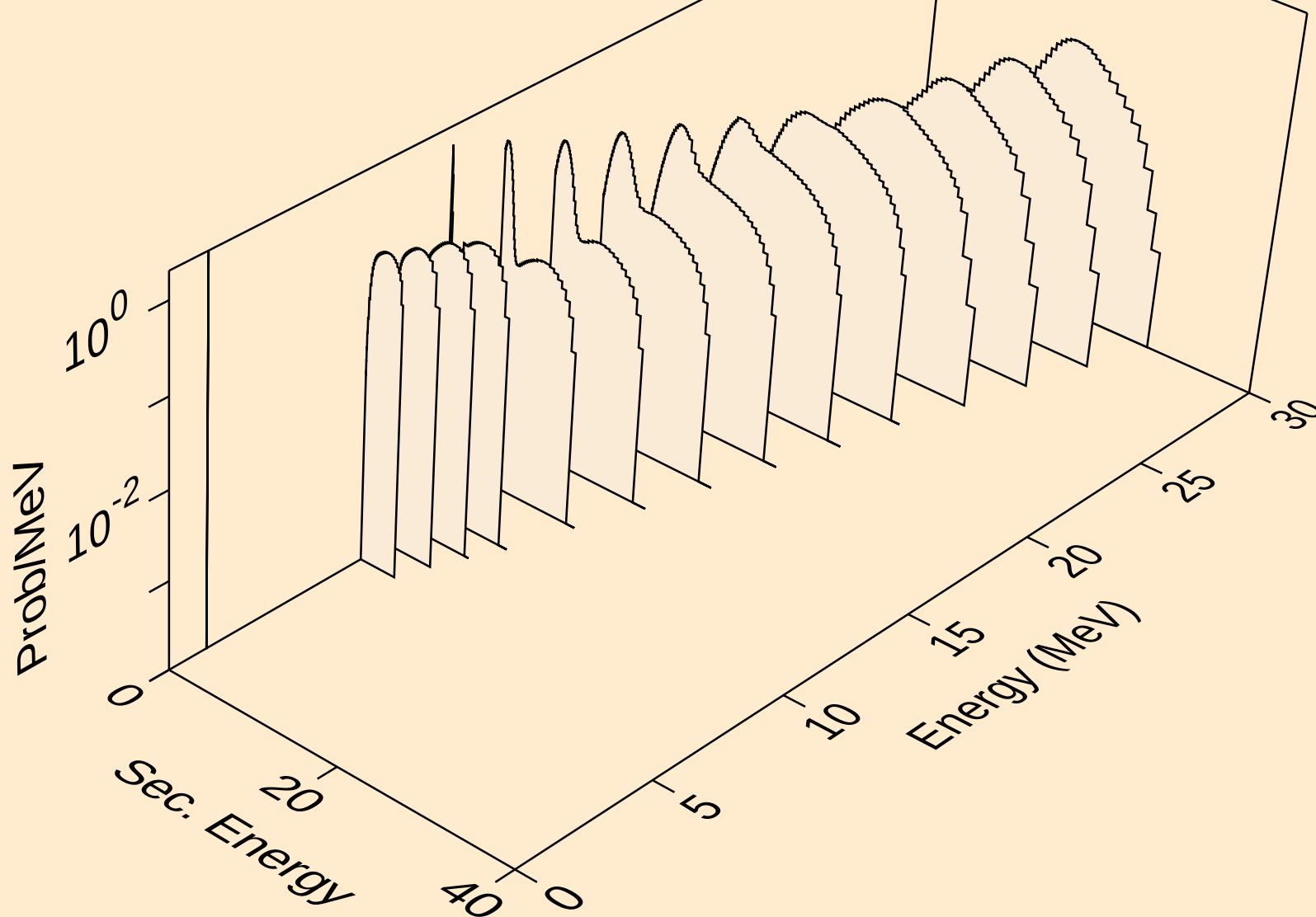


# TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K

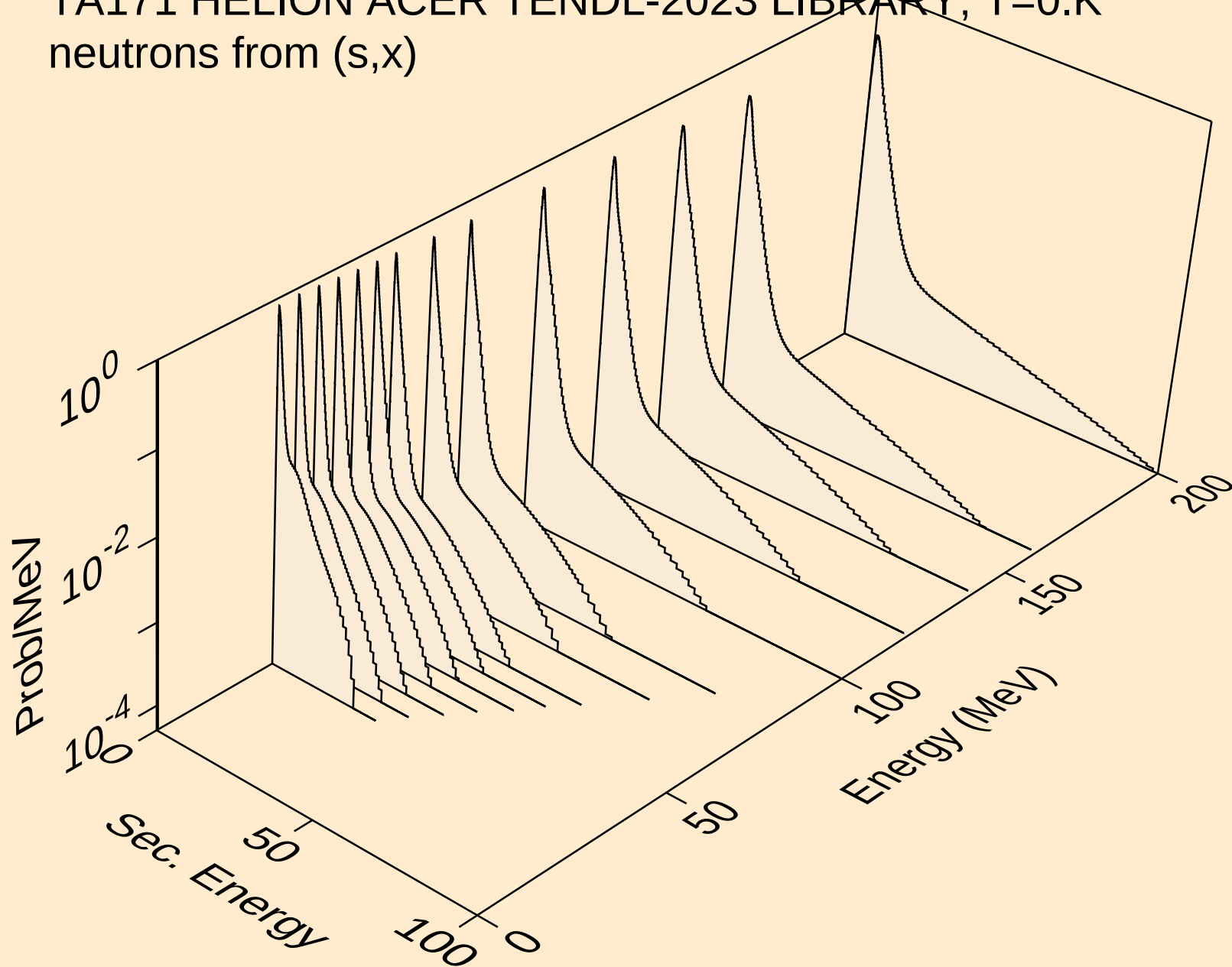
## Particle production cross sections



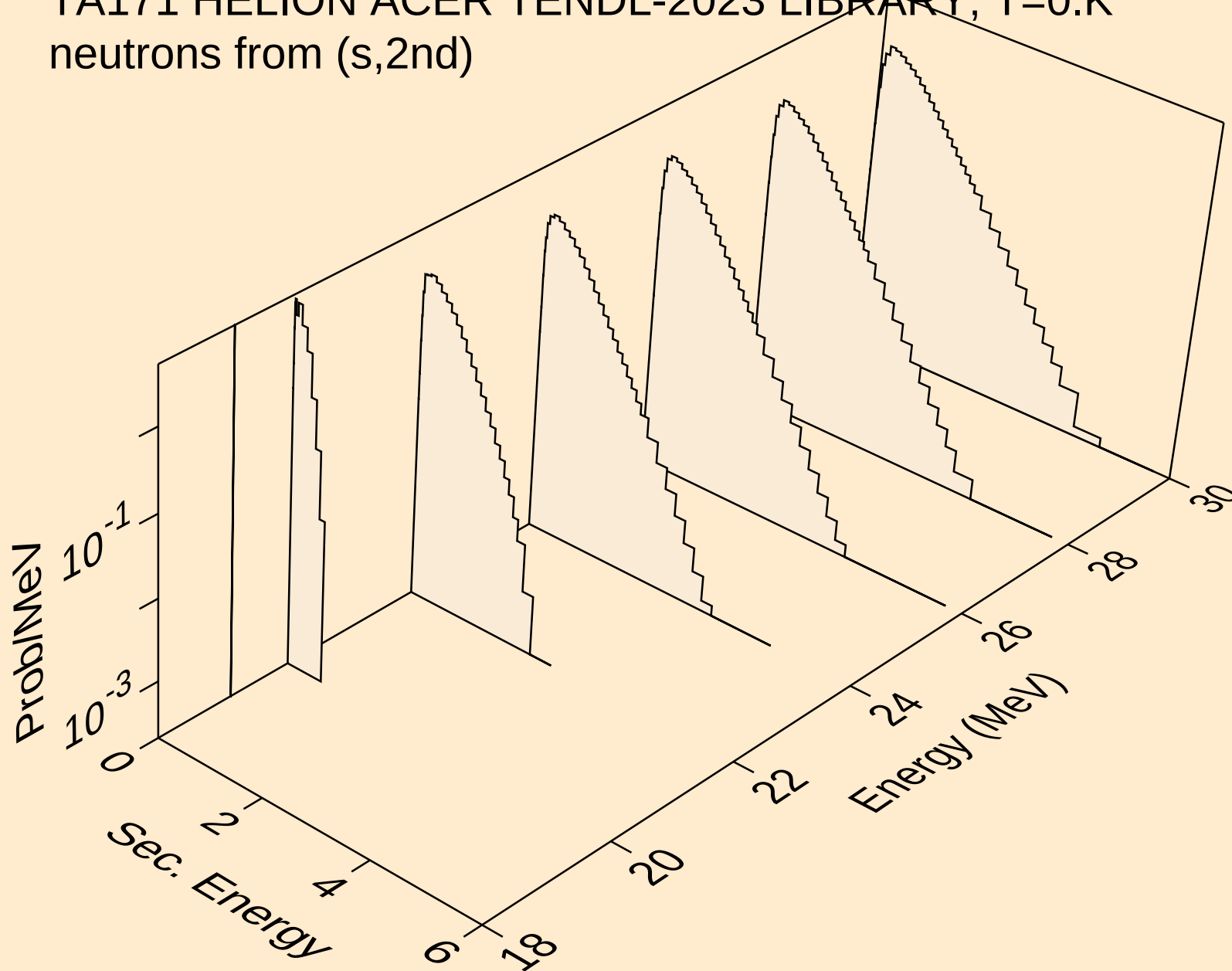
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



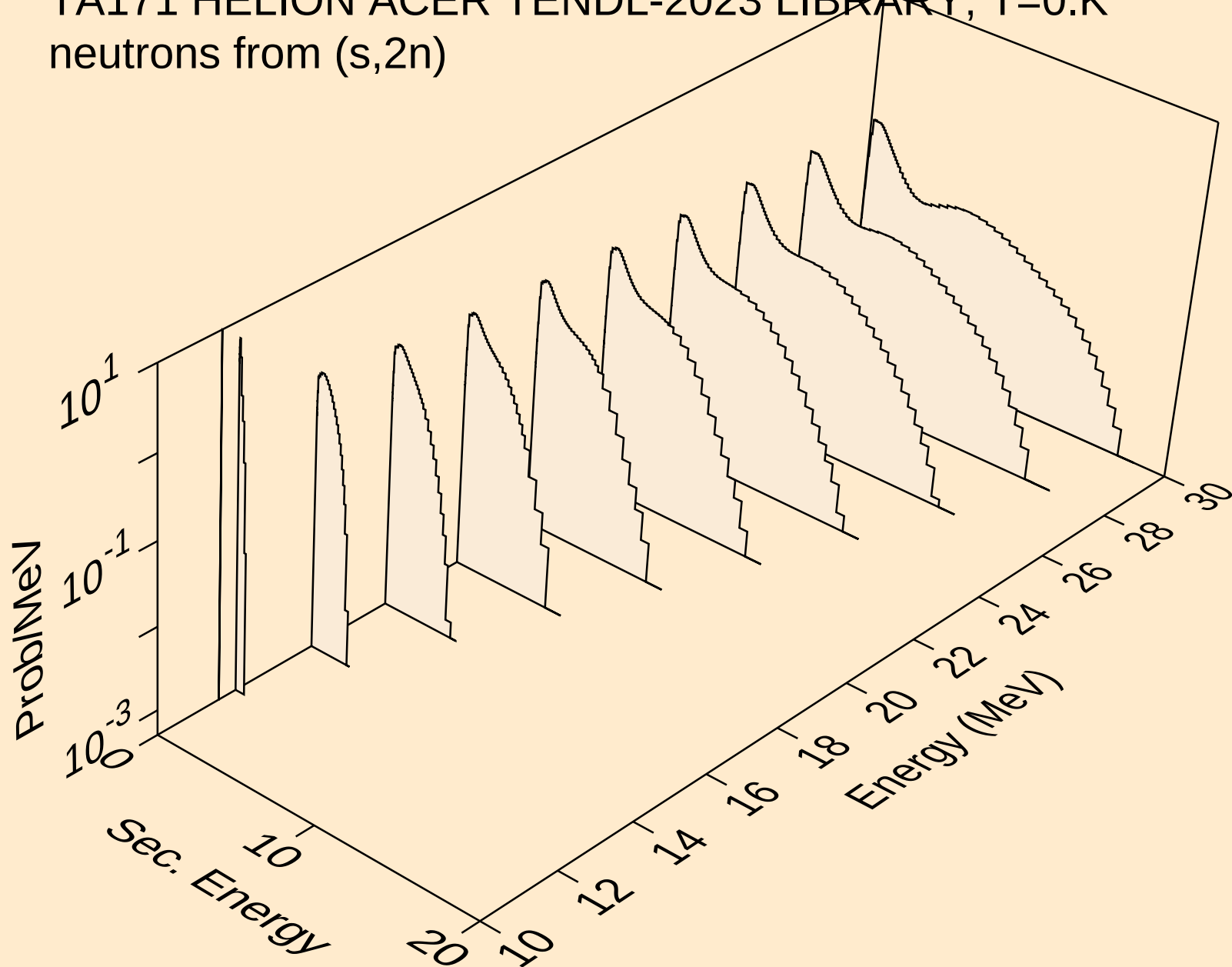
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,x)



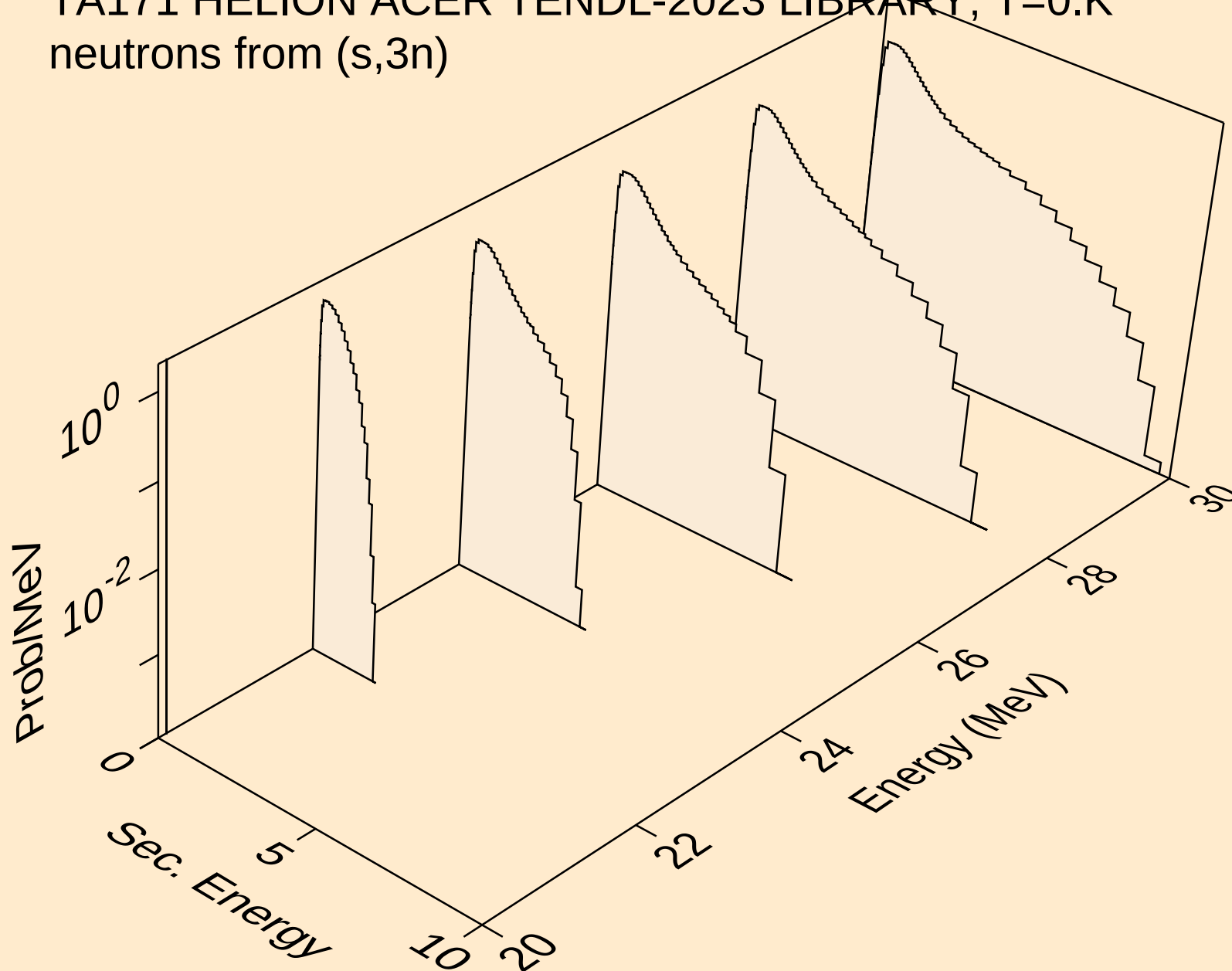
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2nd)



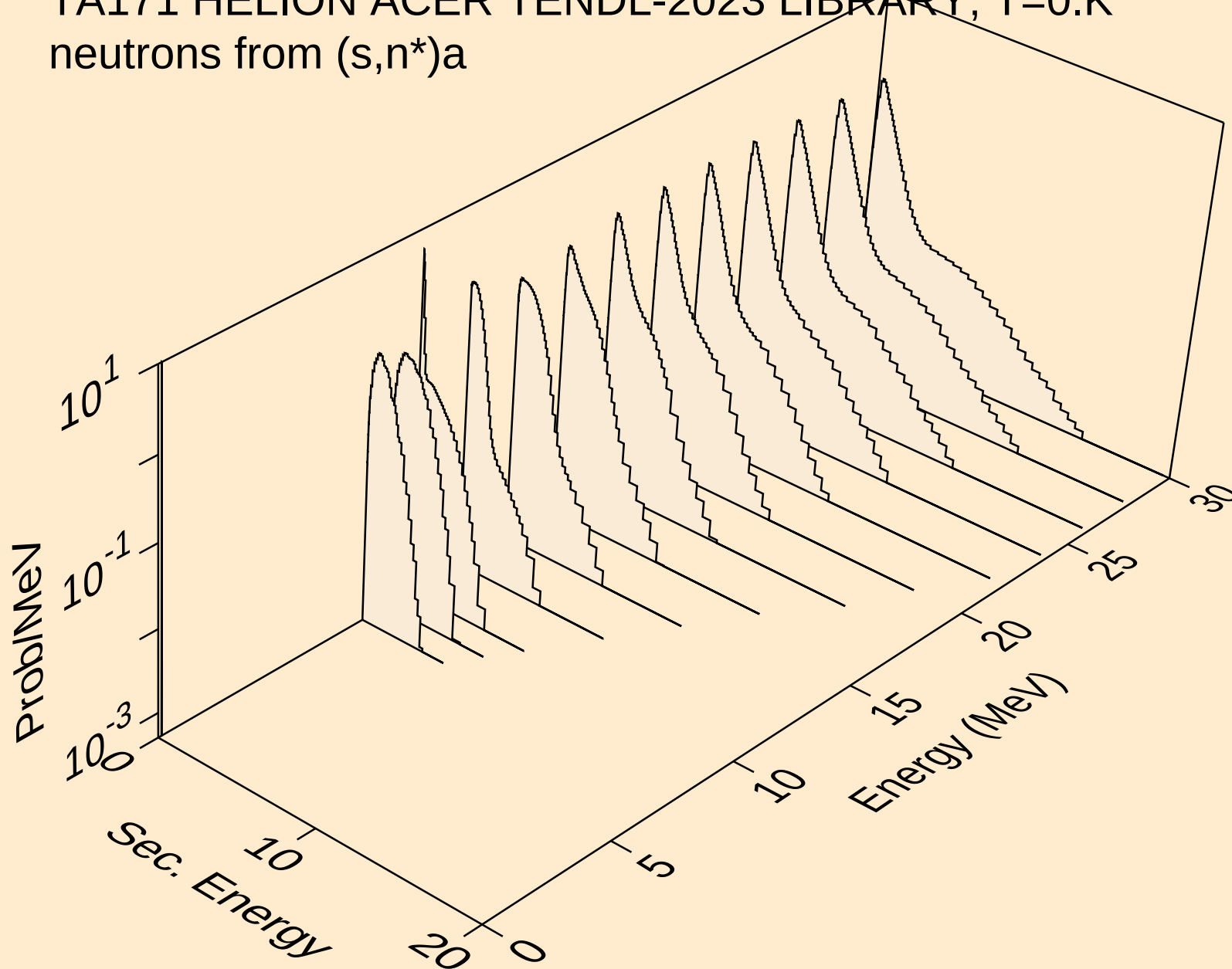
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)



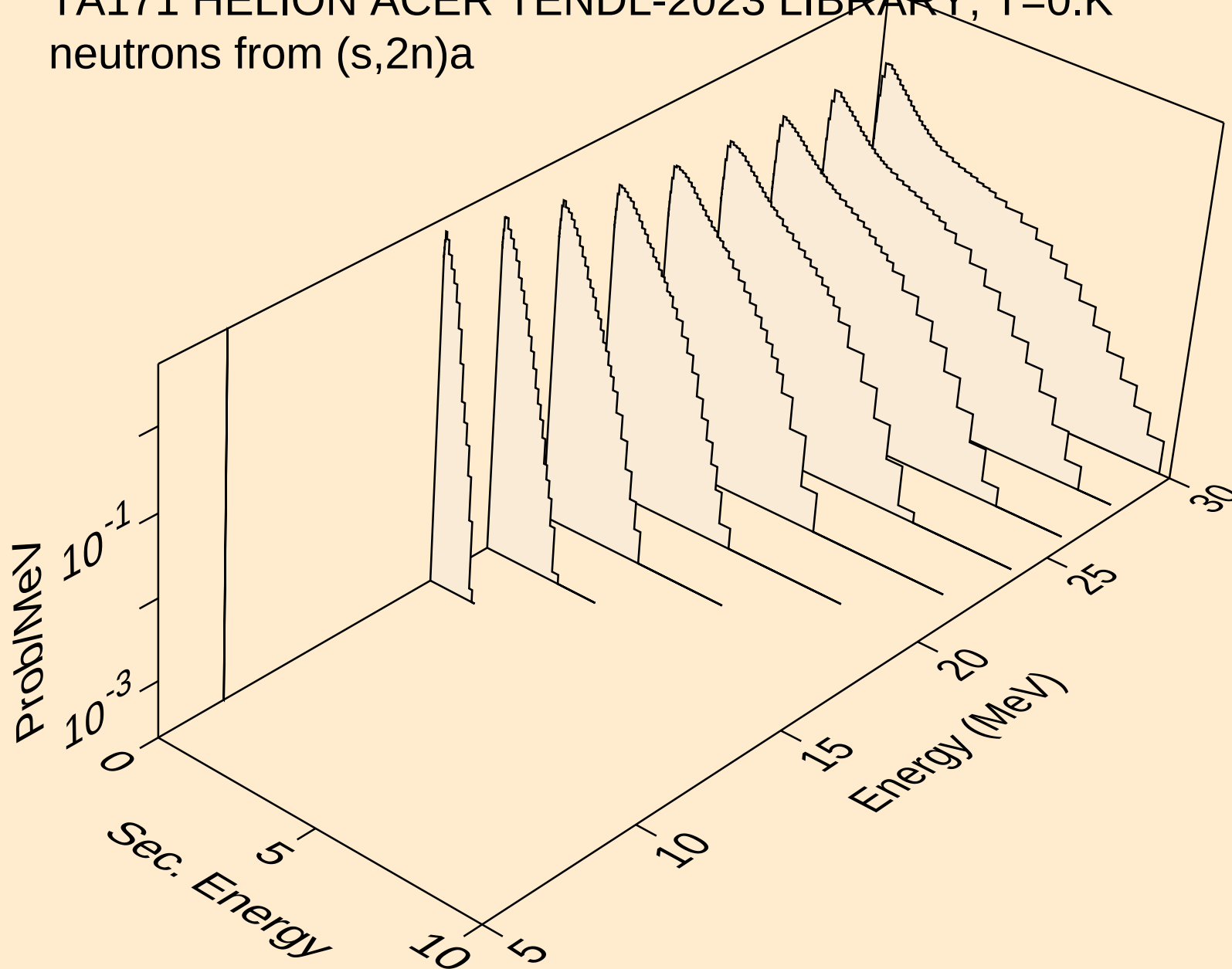
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3n)



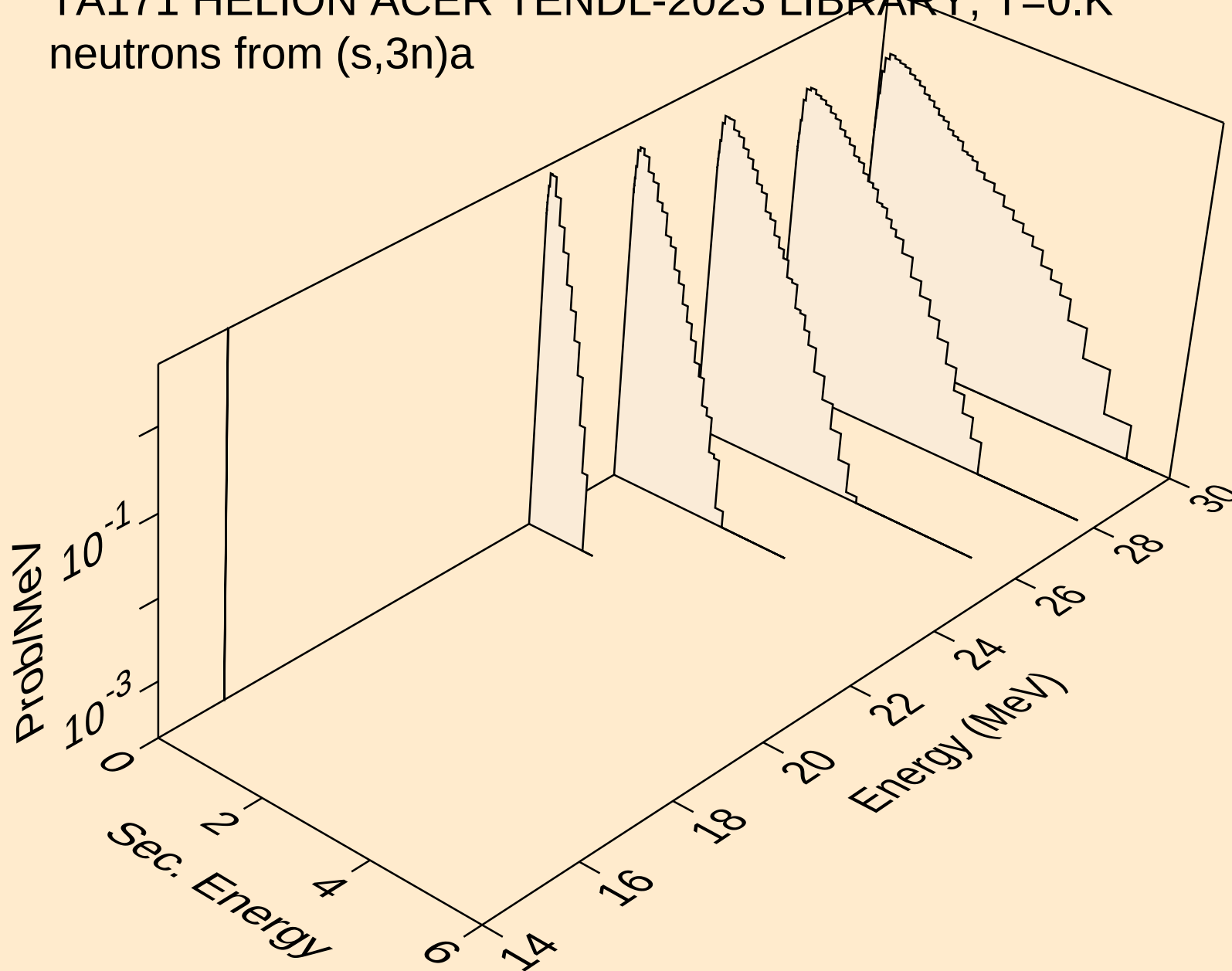
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a



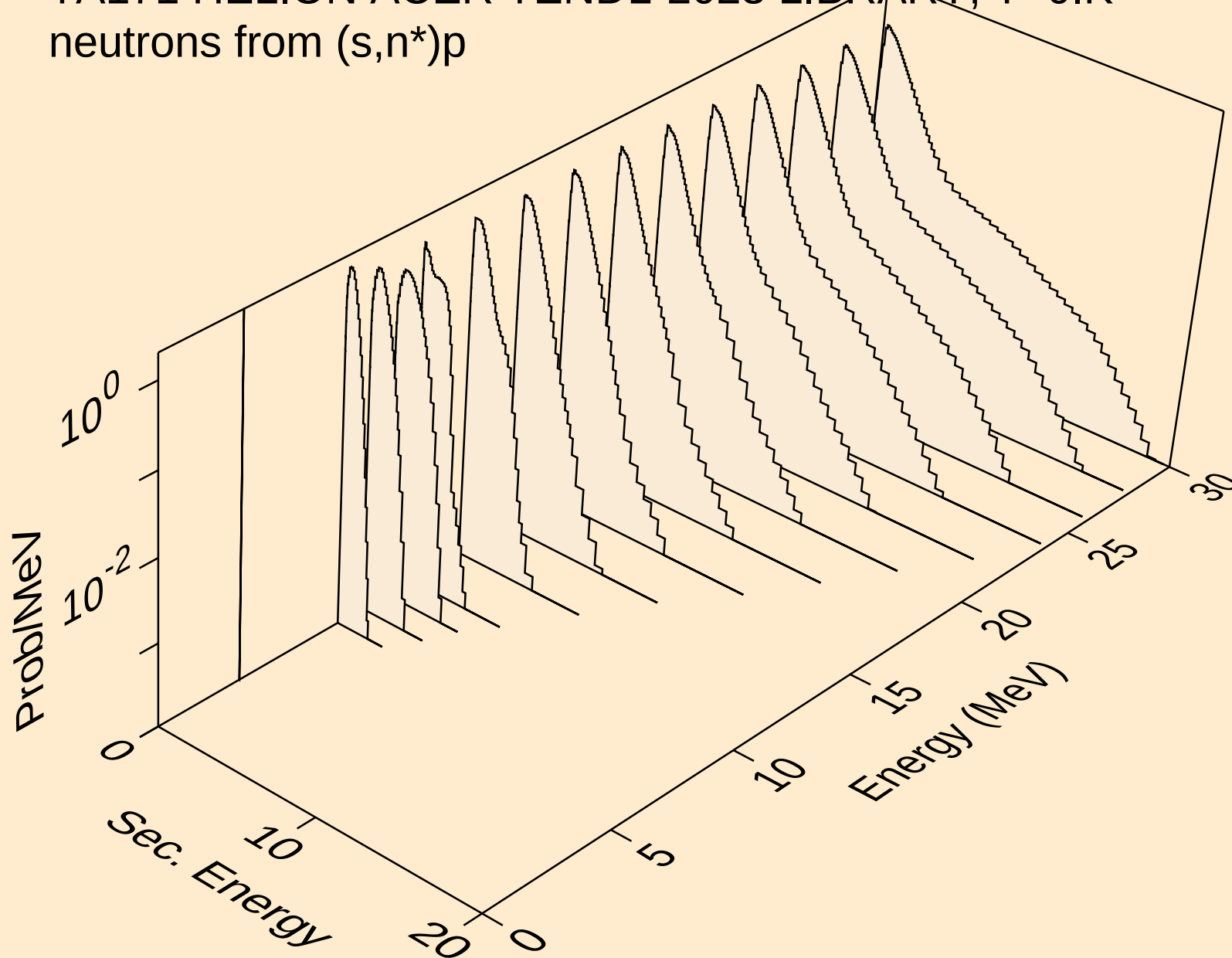
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)a



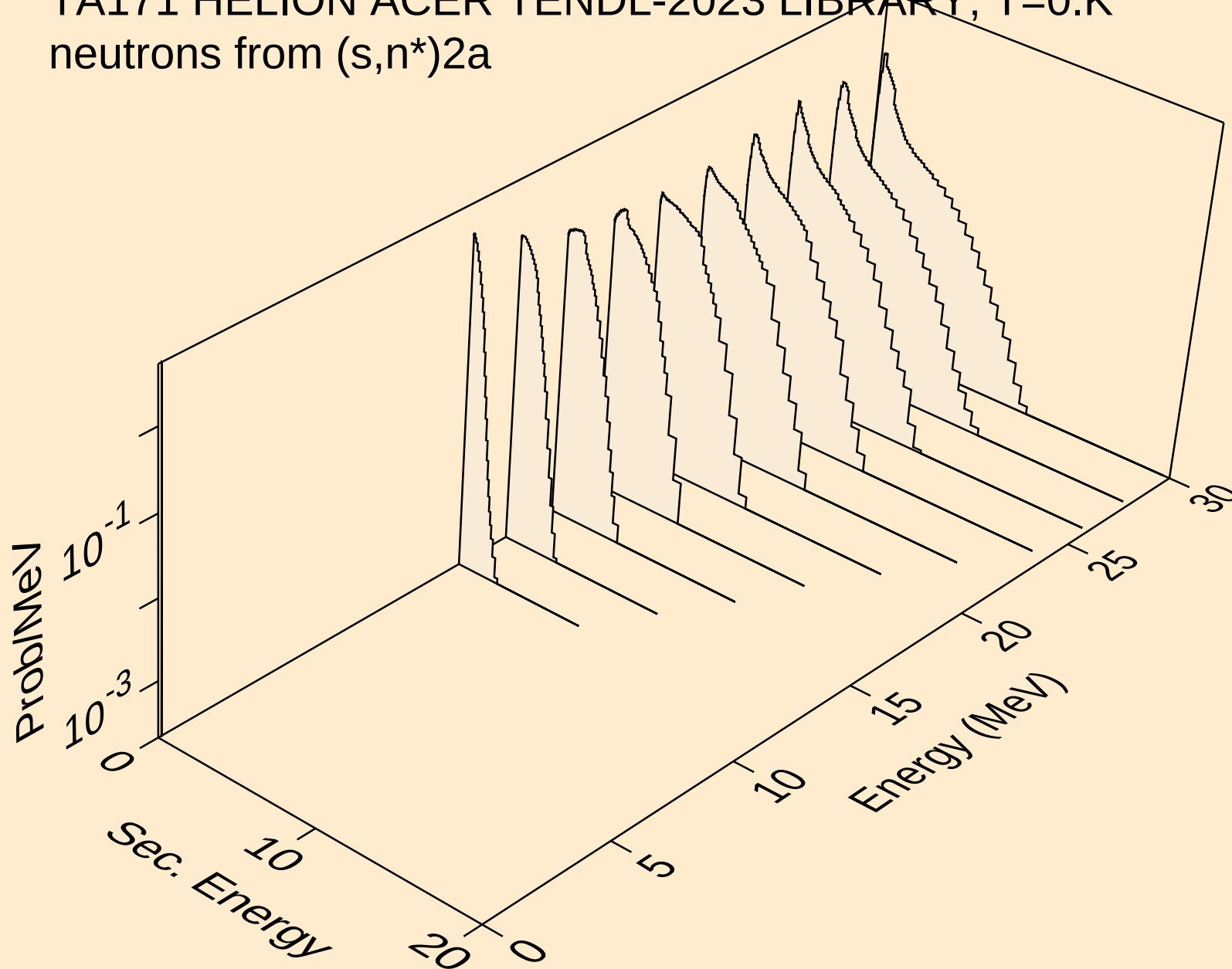
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3n)a



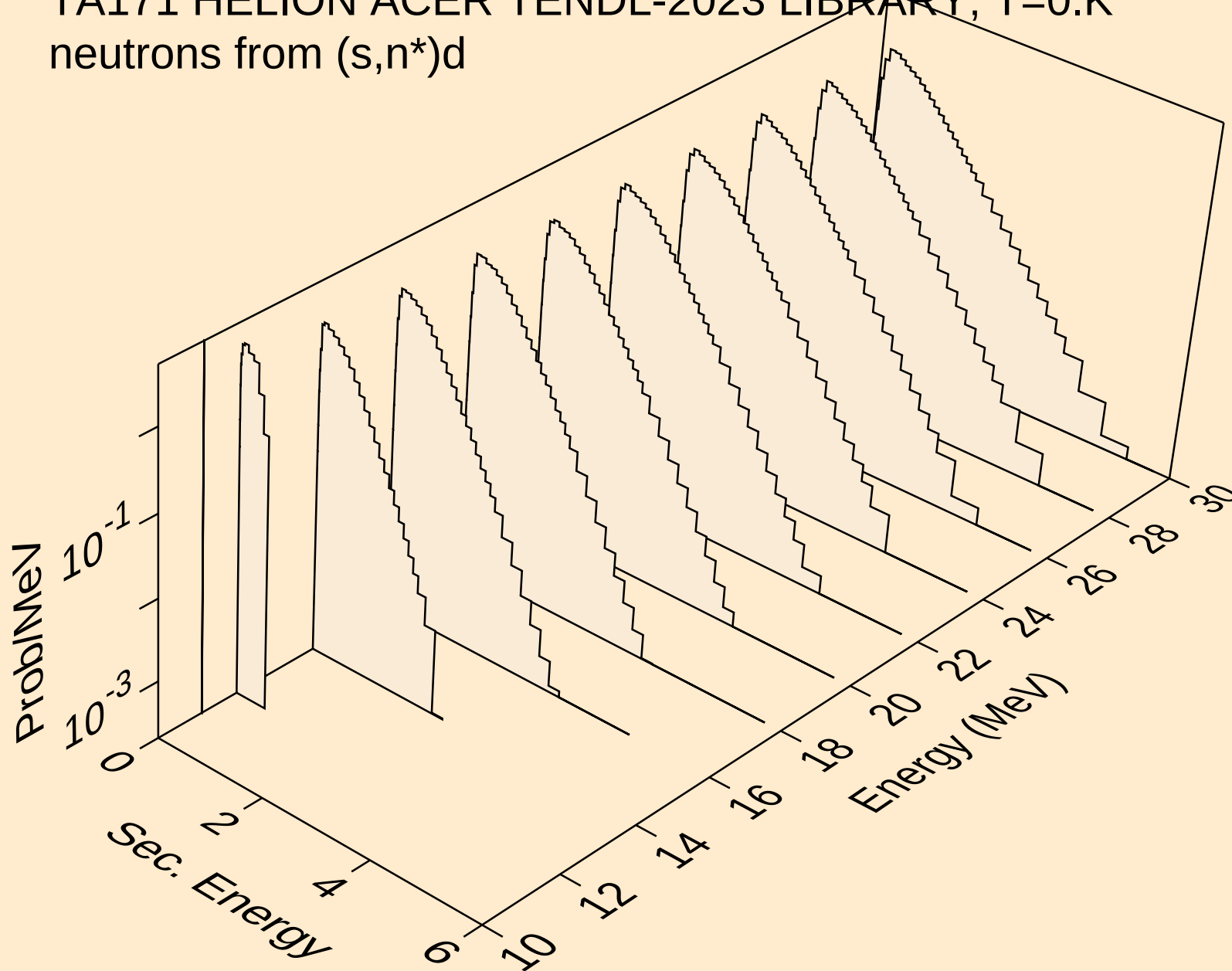
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)p



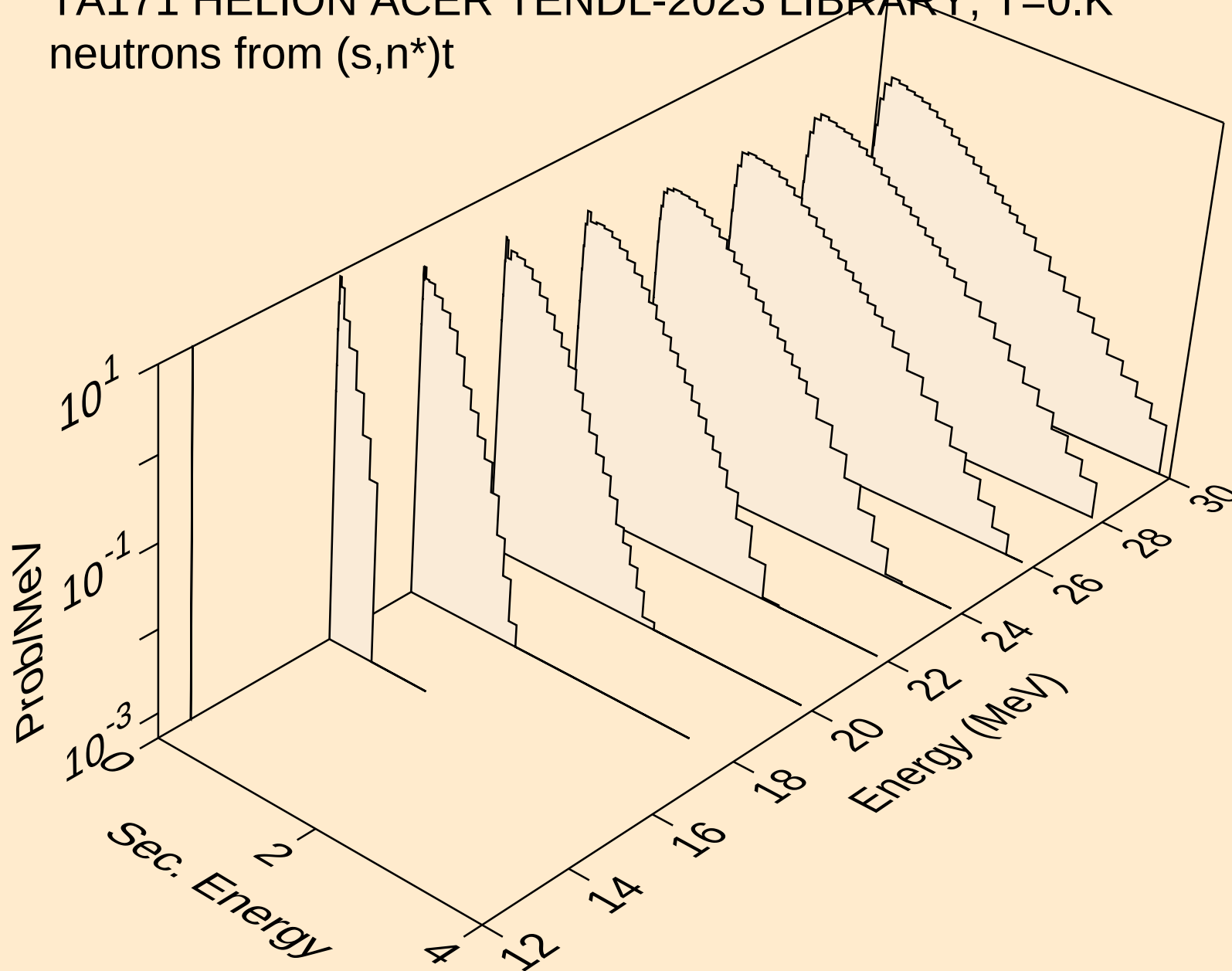
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)2a



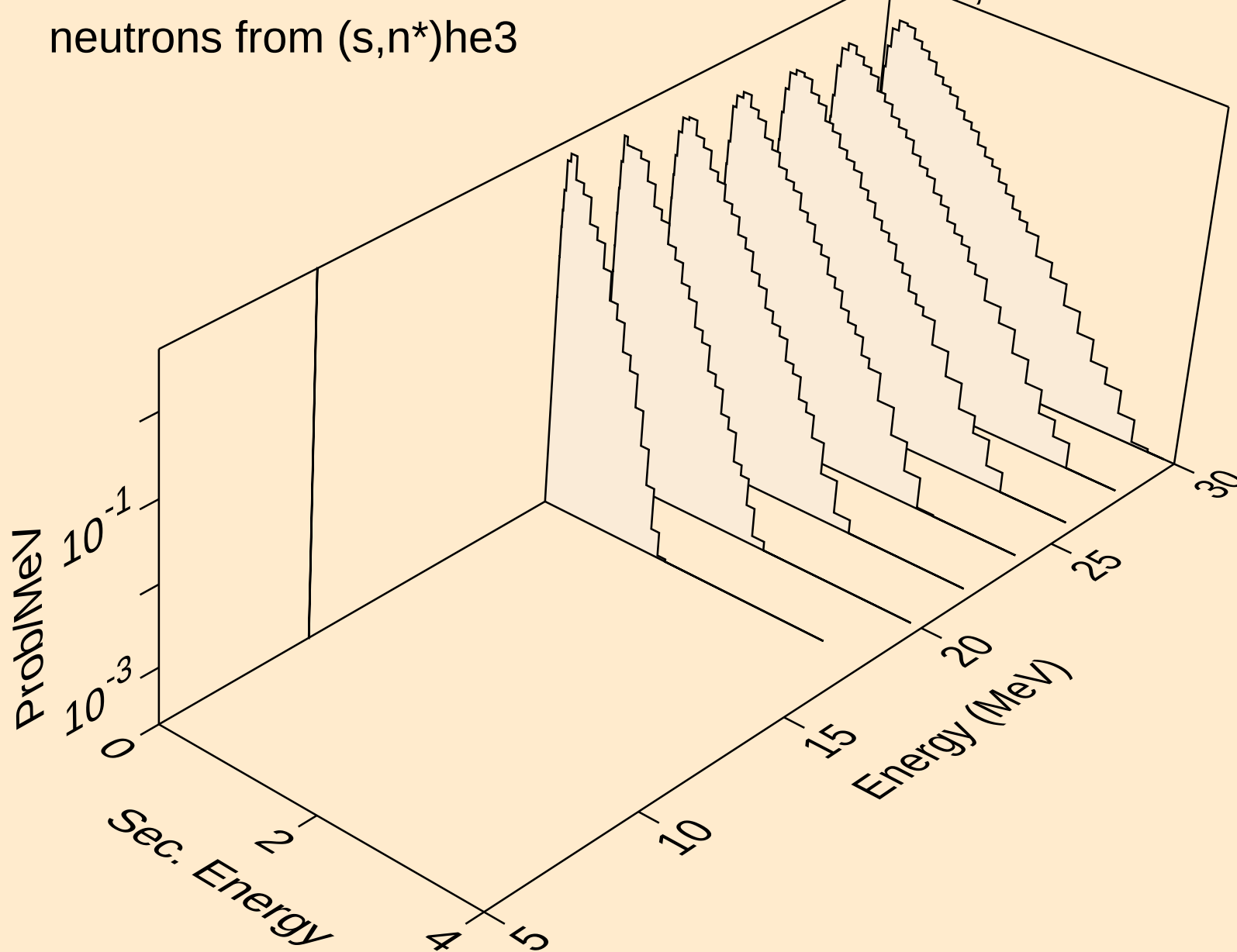
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)d



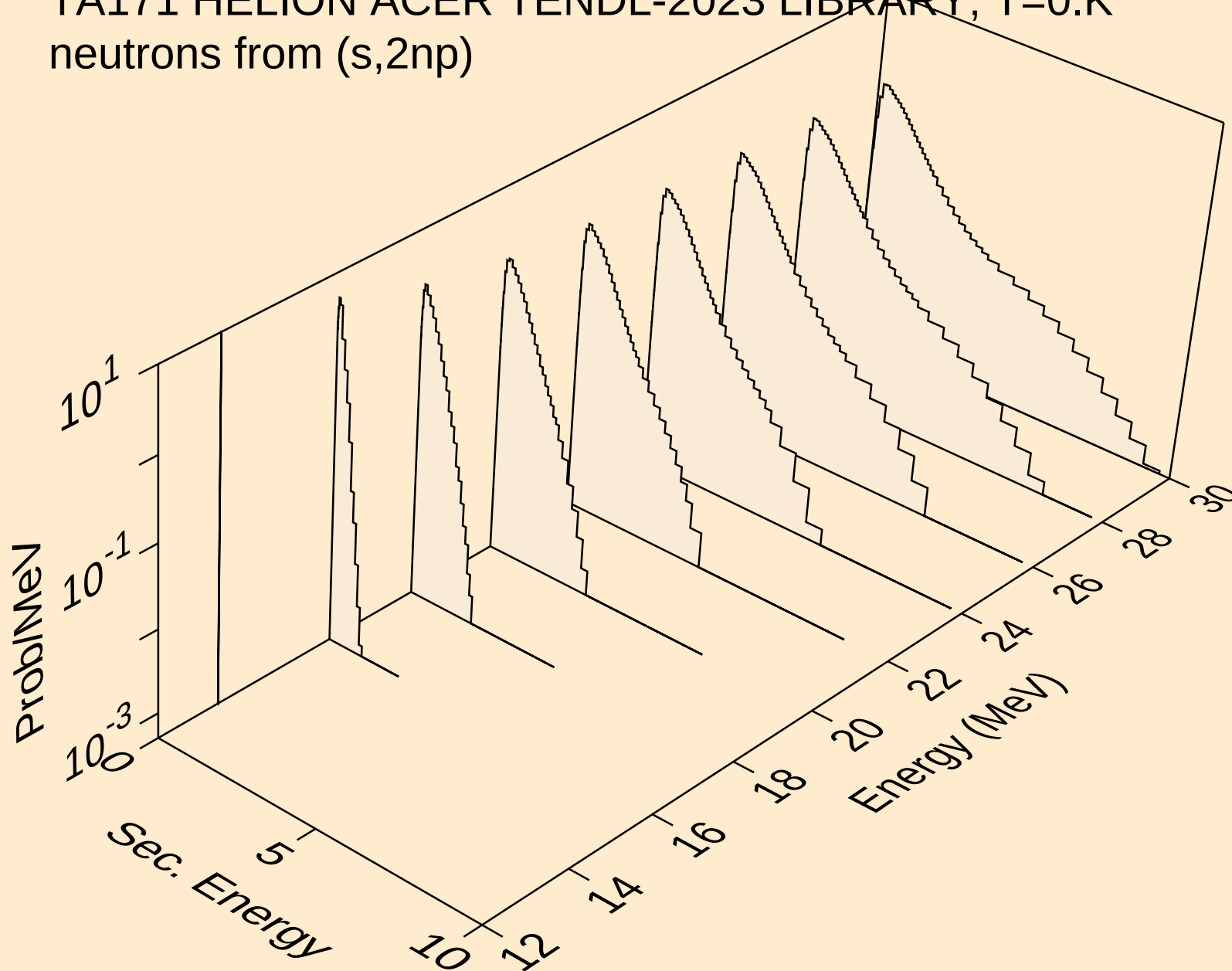
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)t



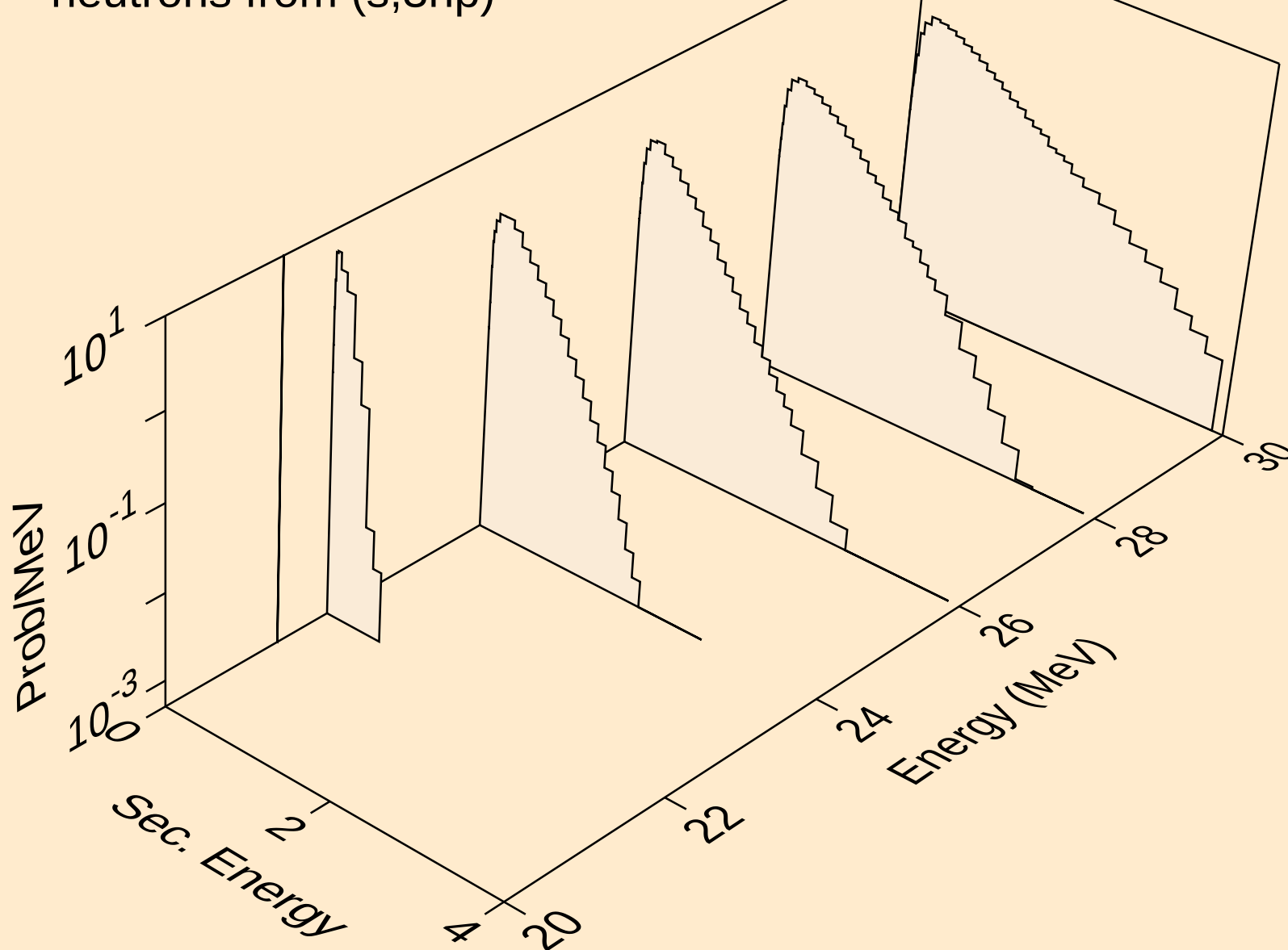
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3



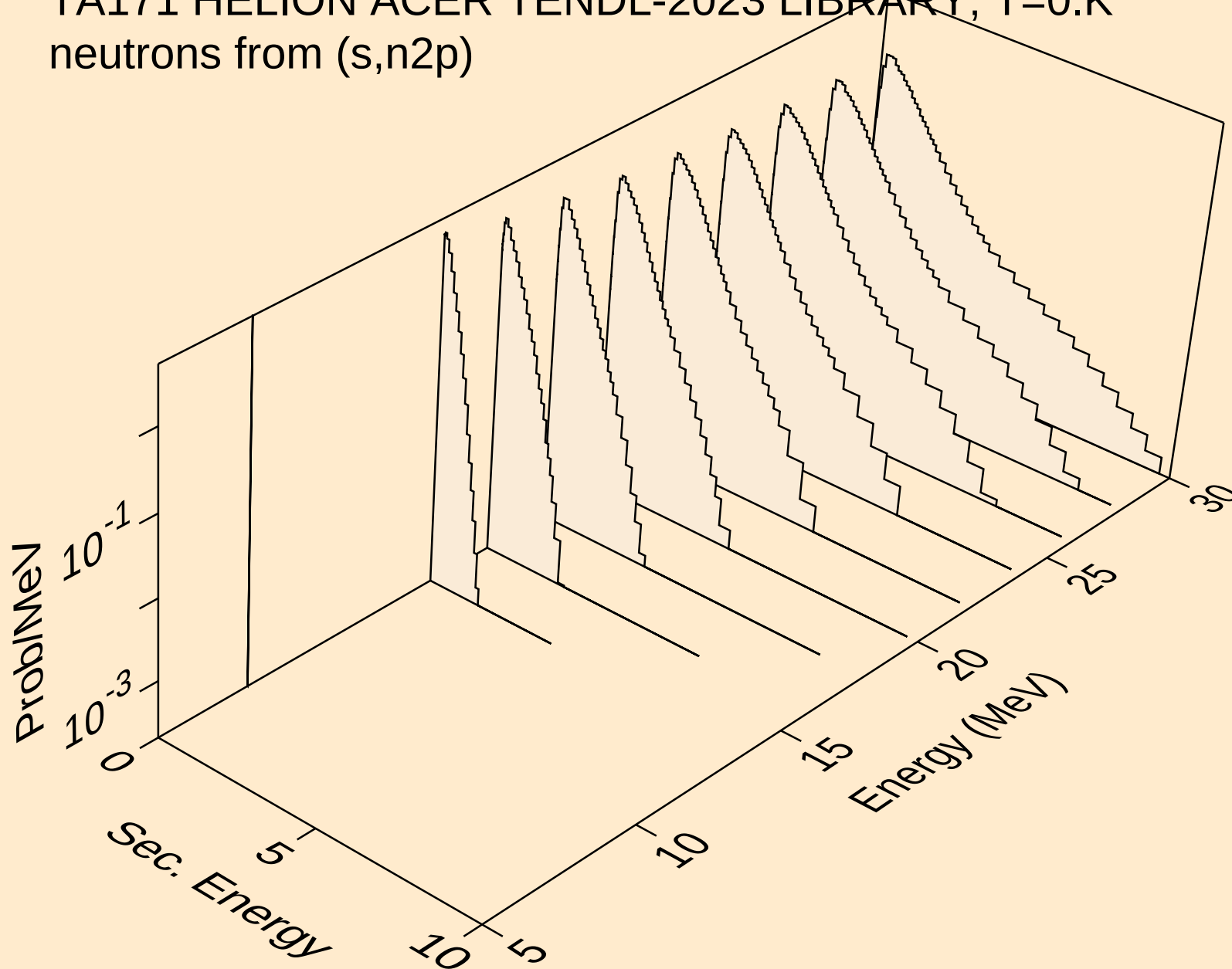
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2np)



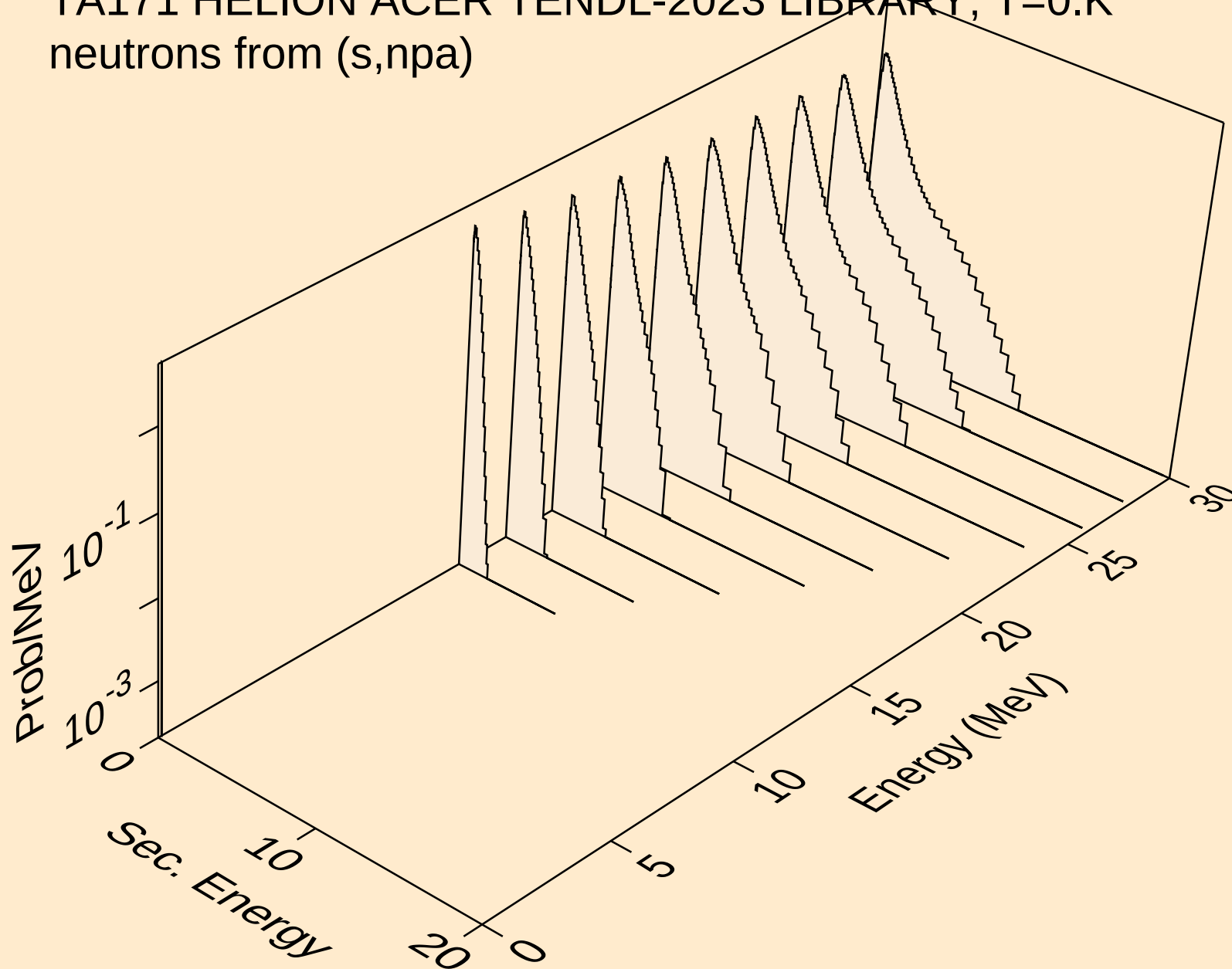
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3np)



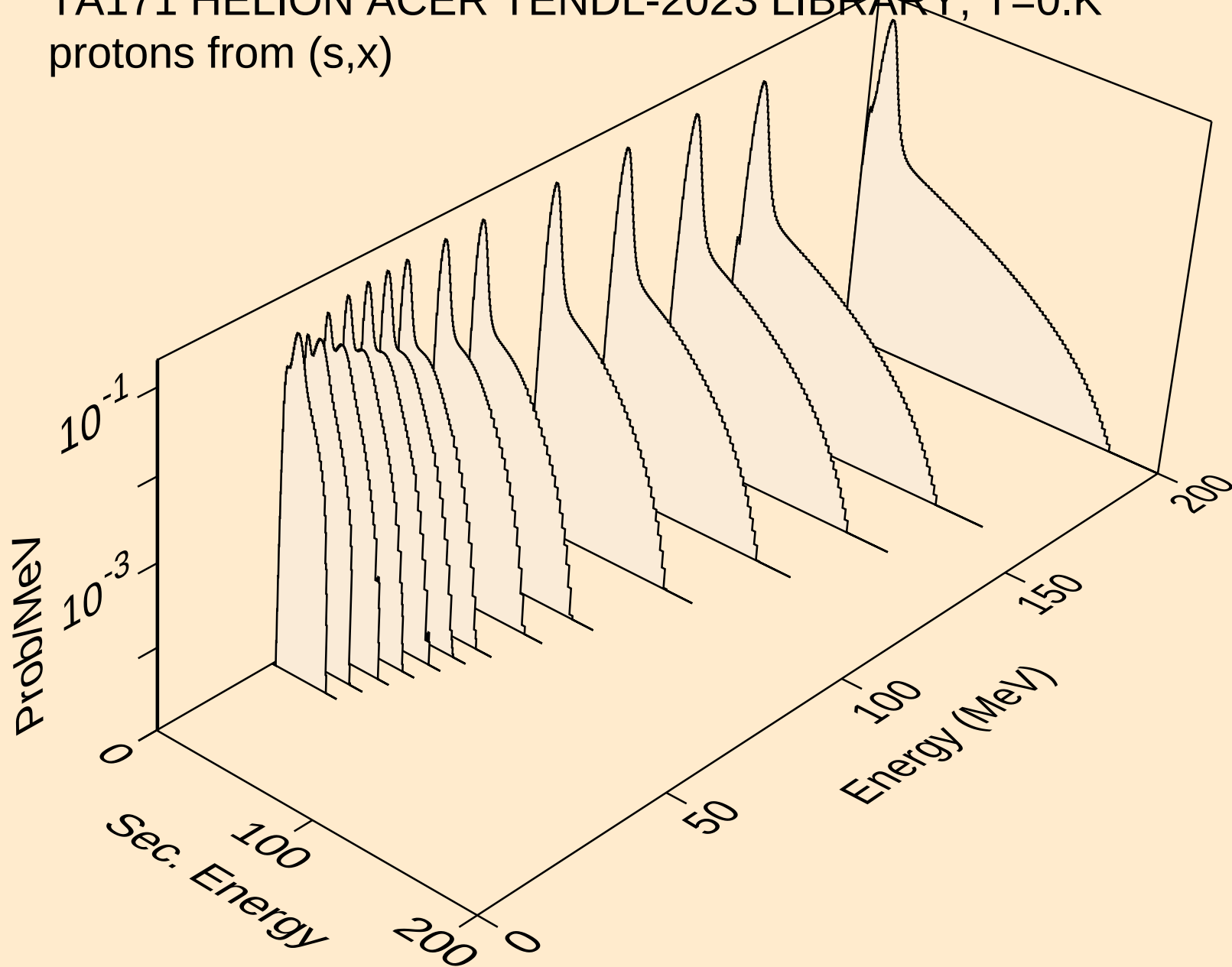
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n2p)



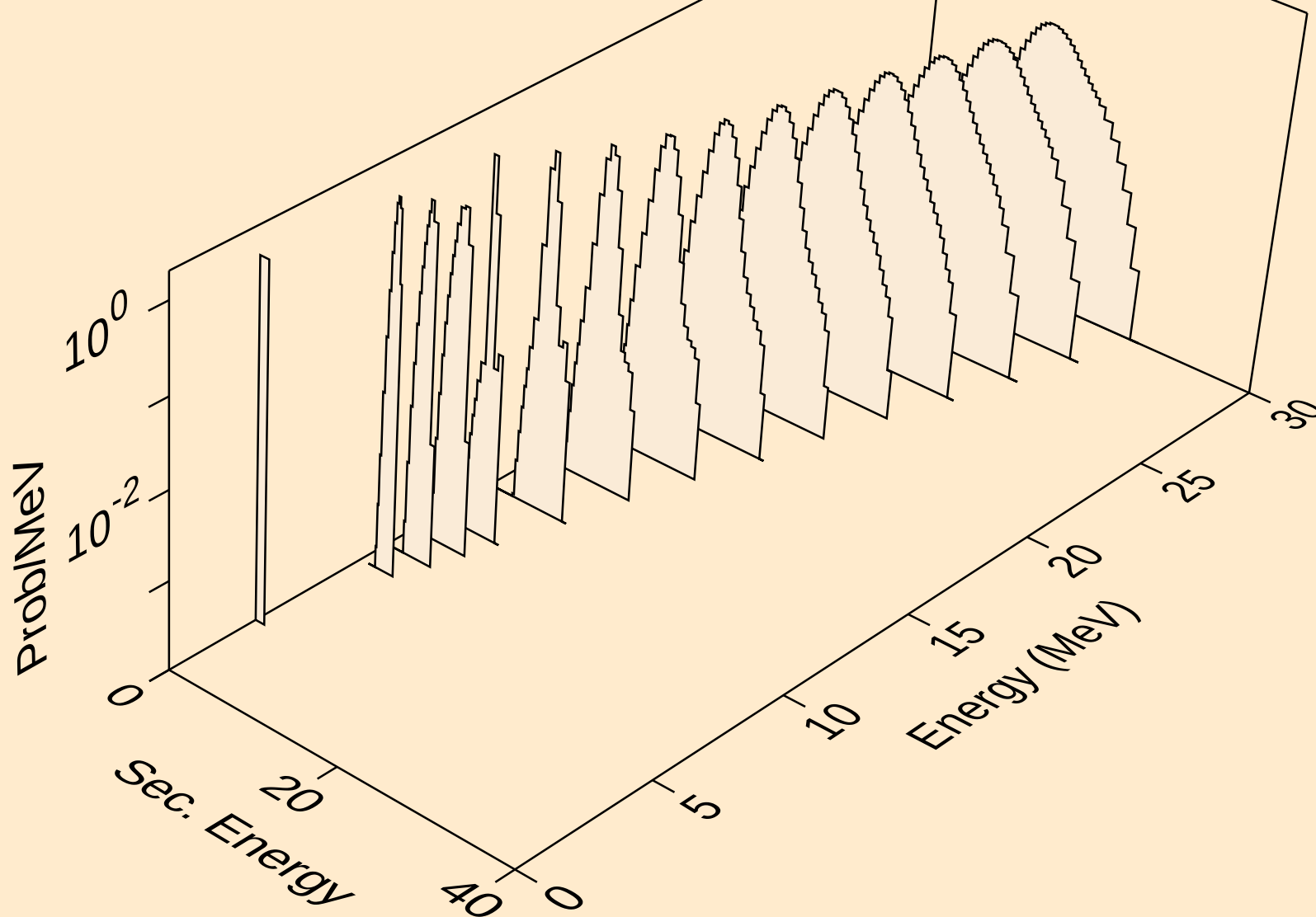
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,npa)



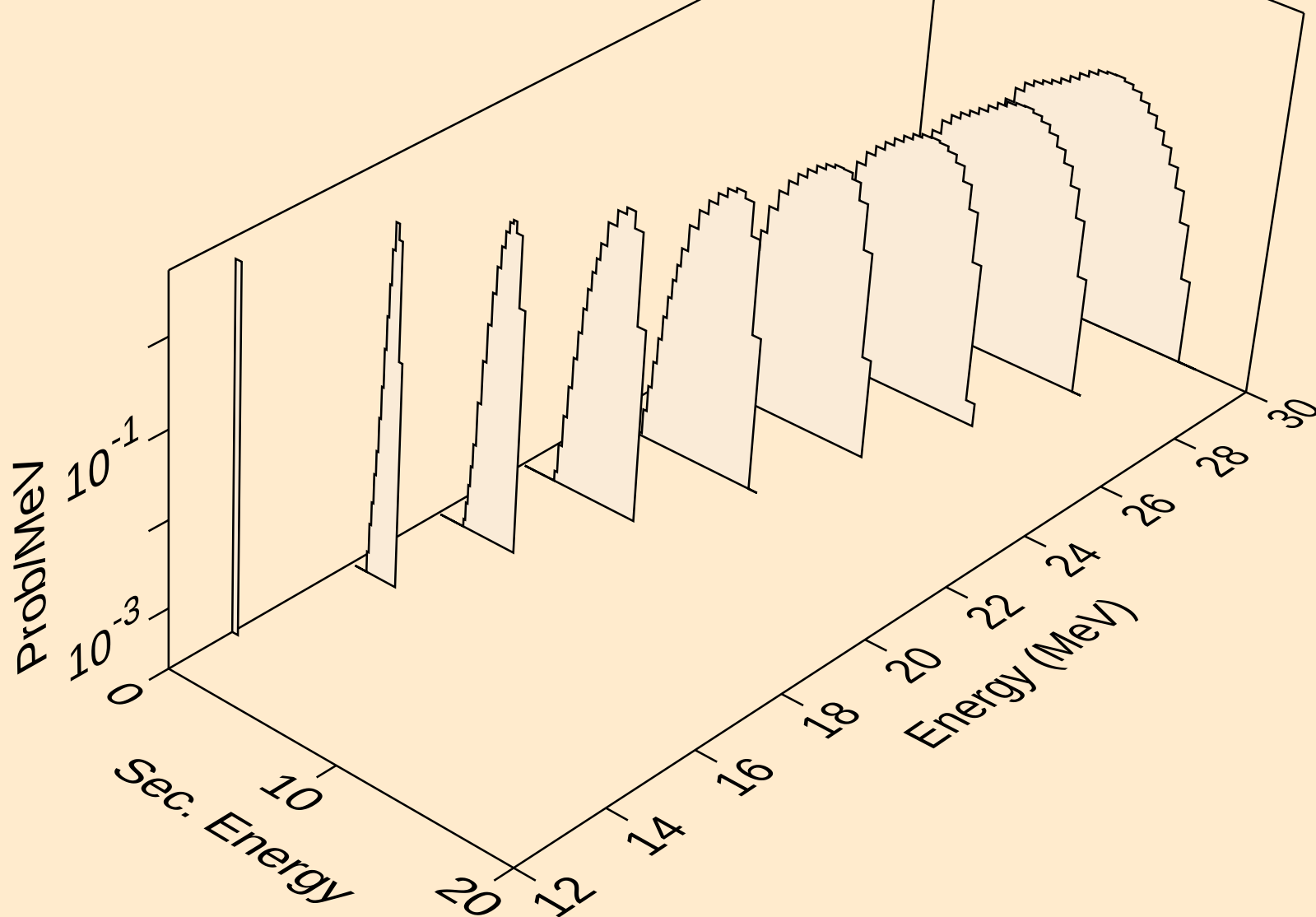
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,x)



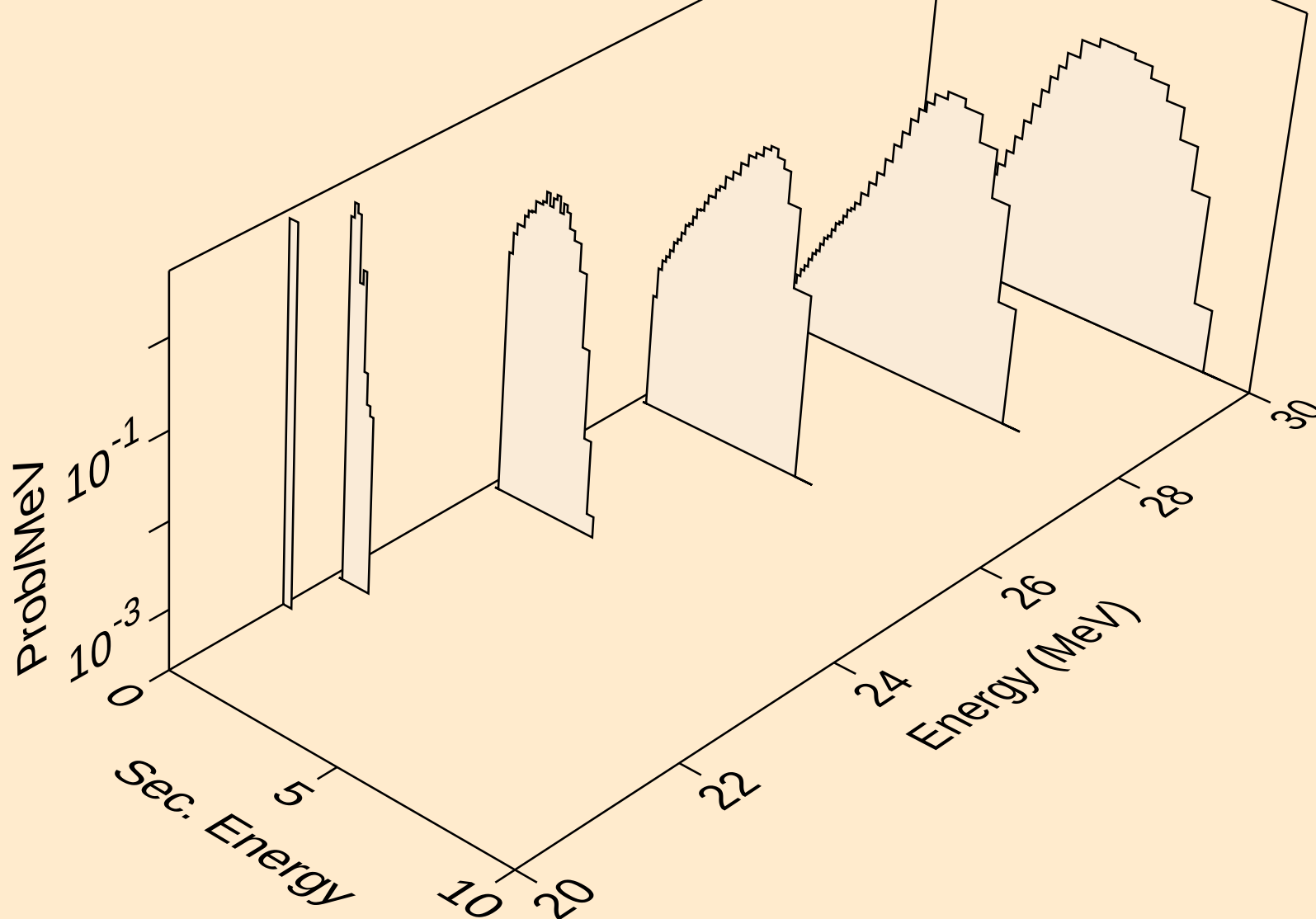
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n\*)p



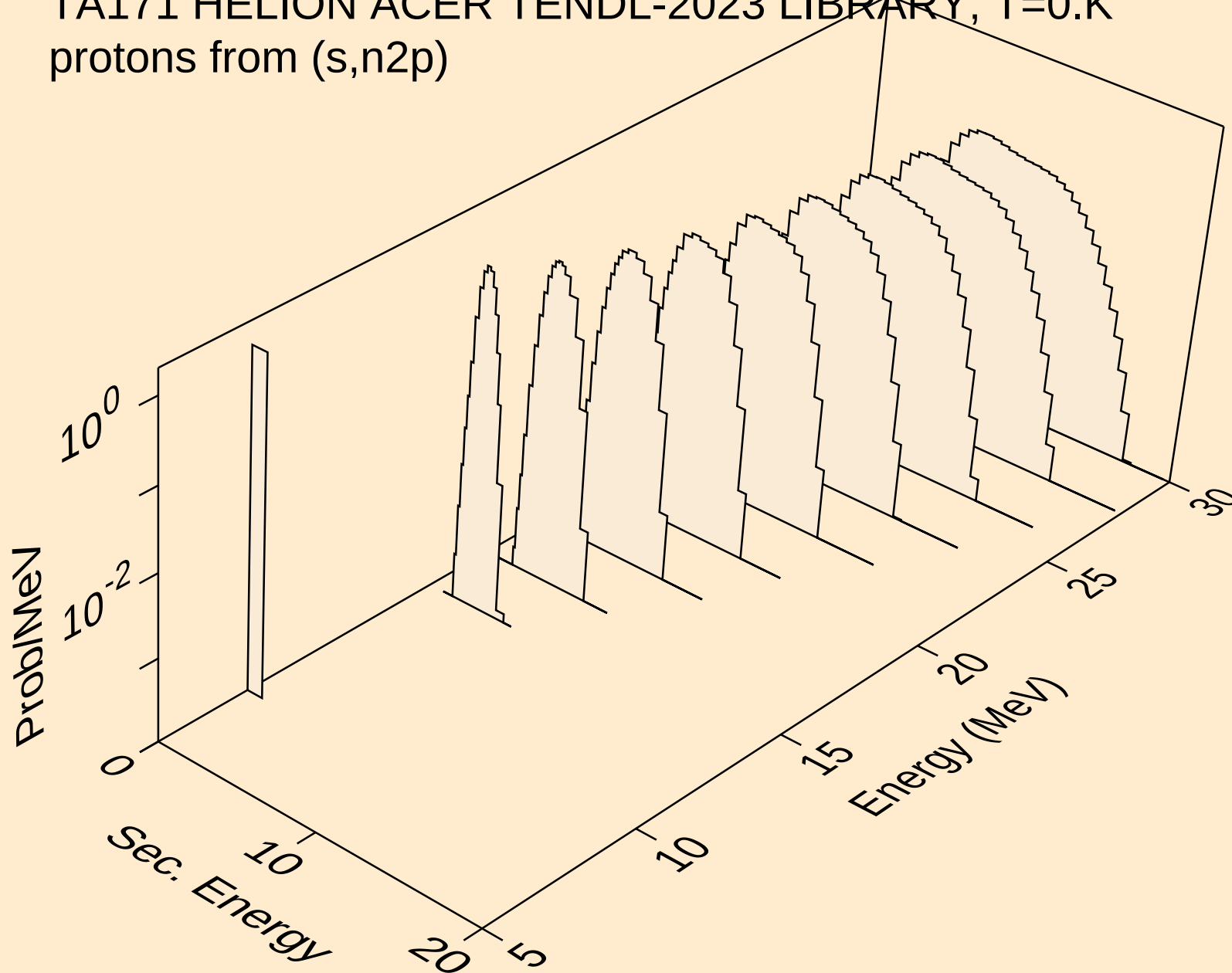
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,2np)



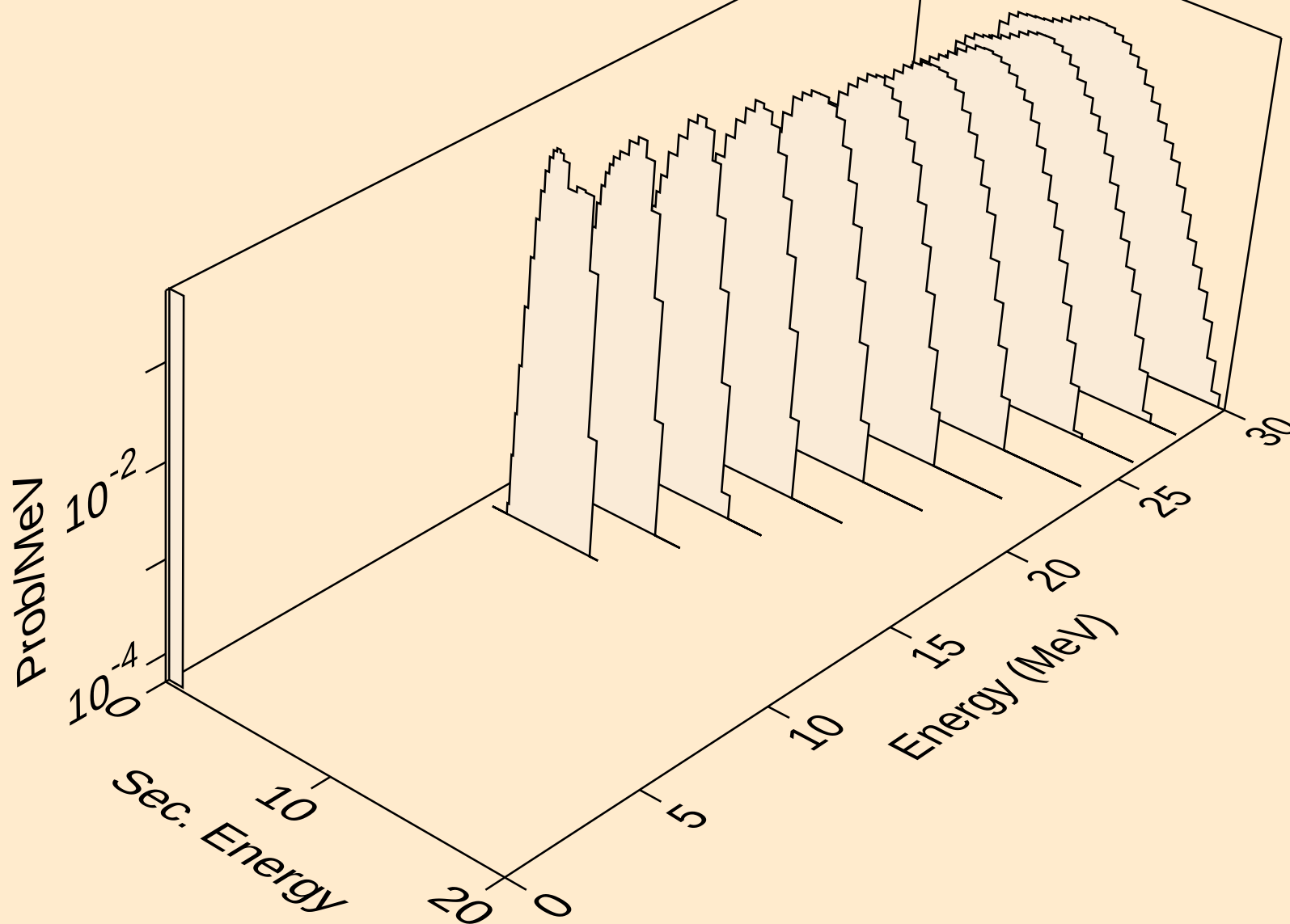
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,3np)



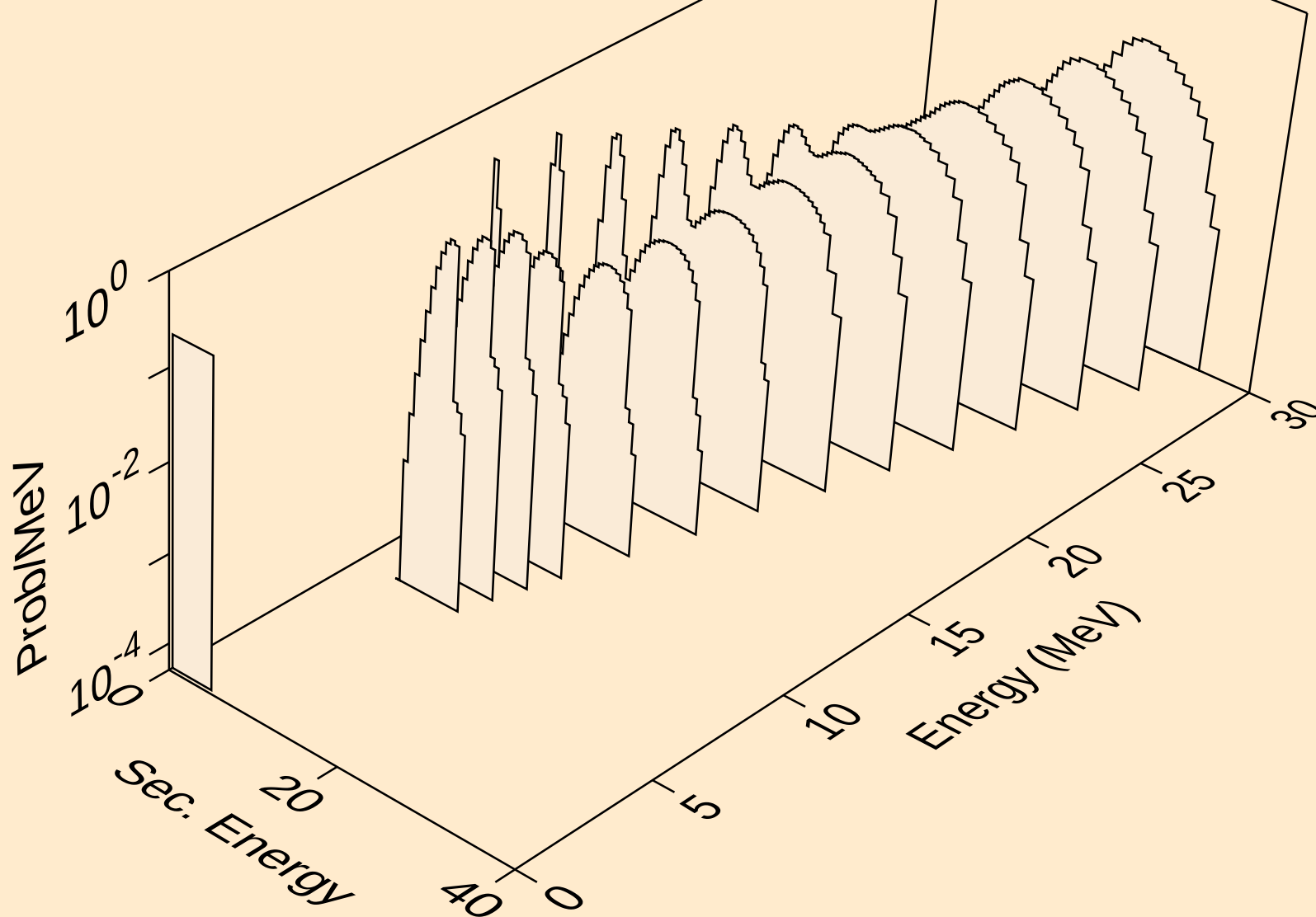
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n2p)



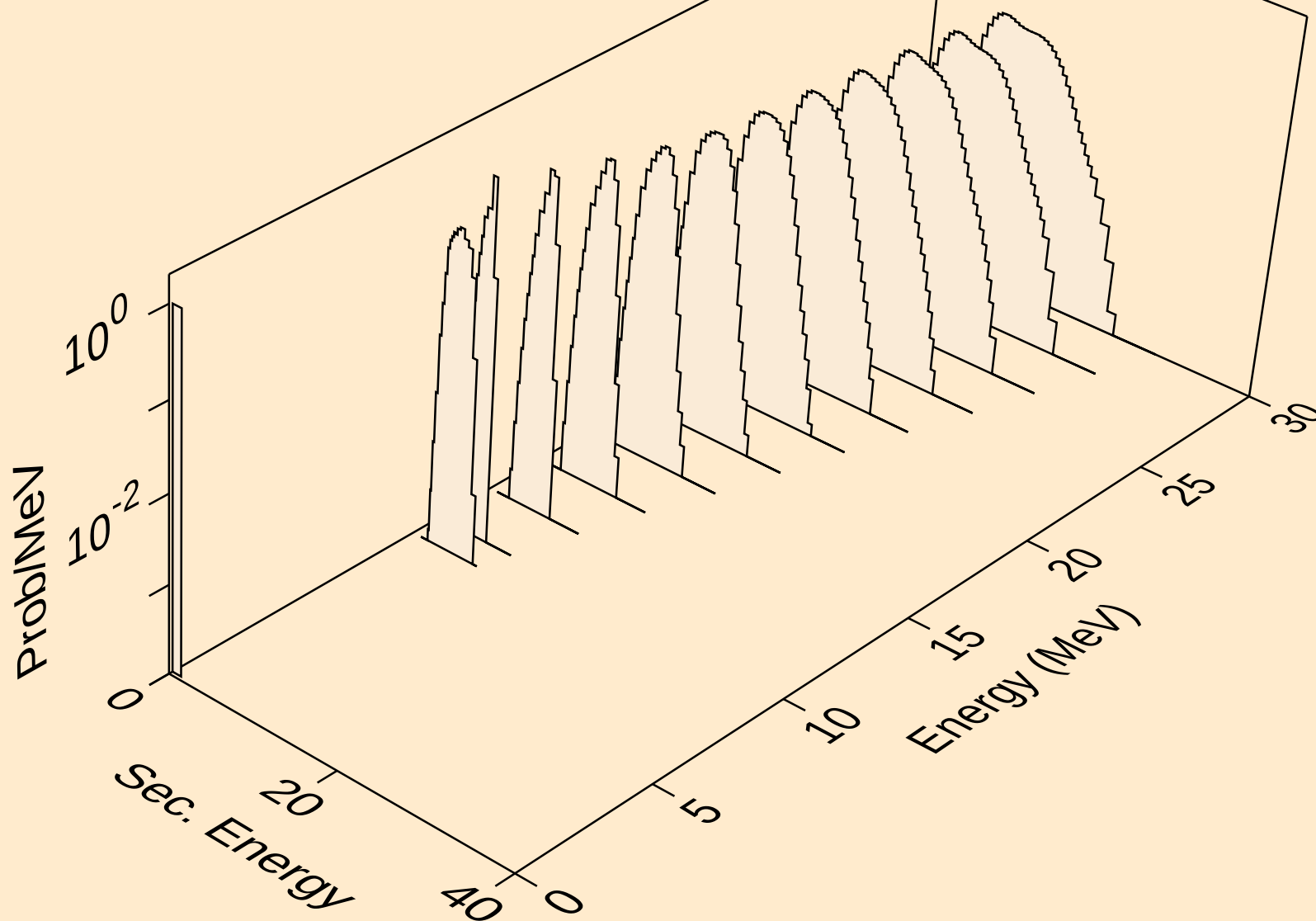
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,npa)



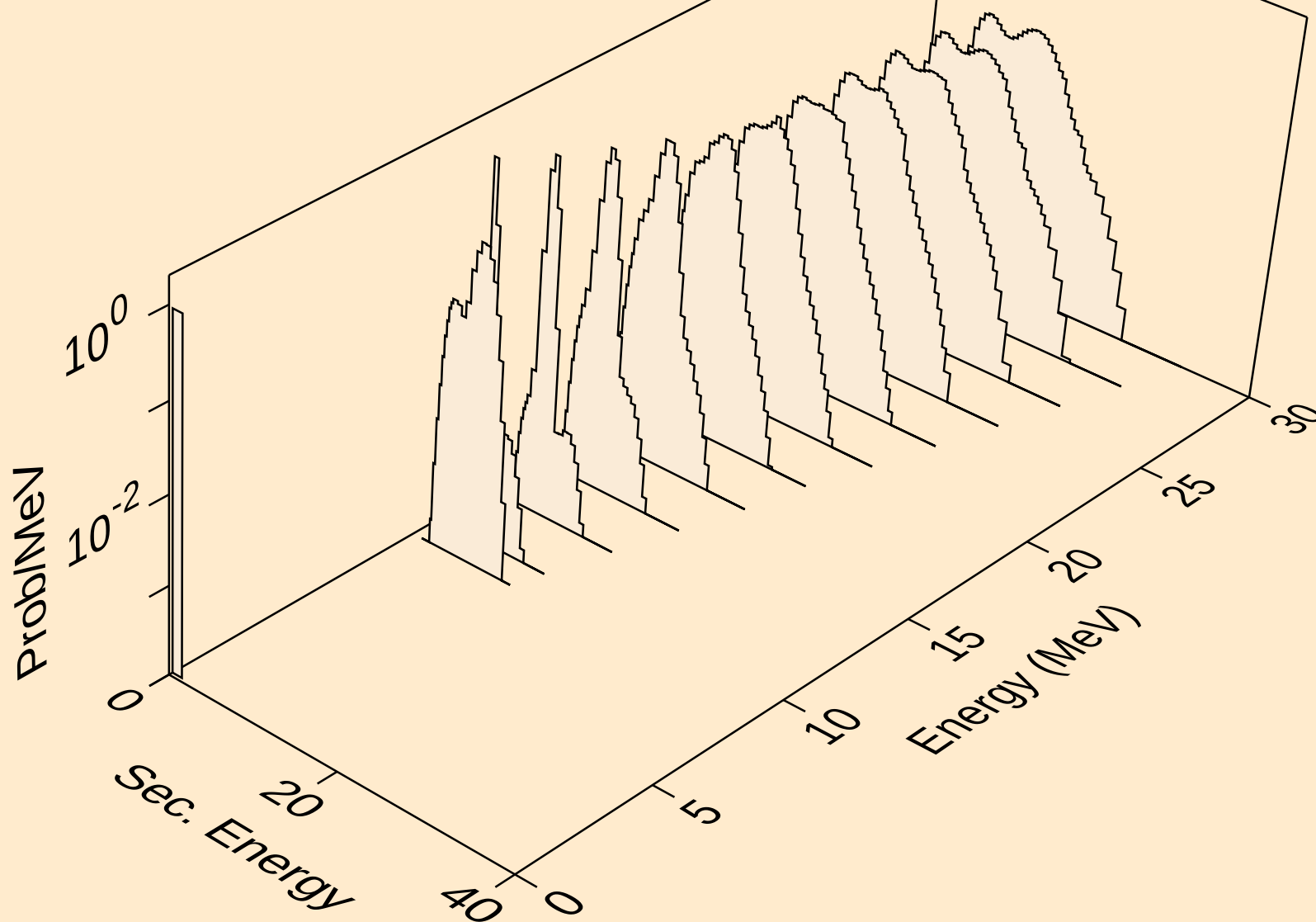
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,p)



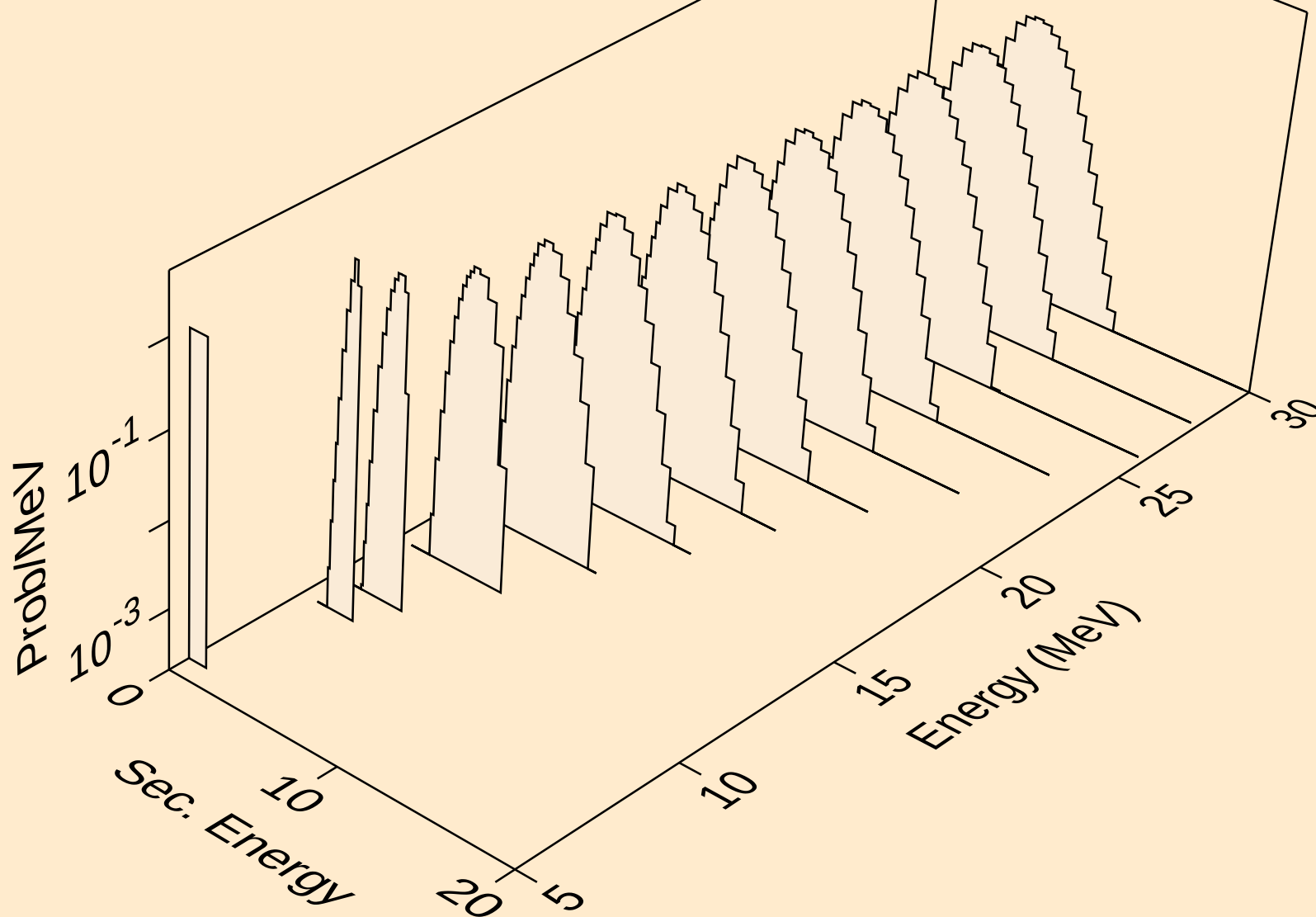
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,2p)



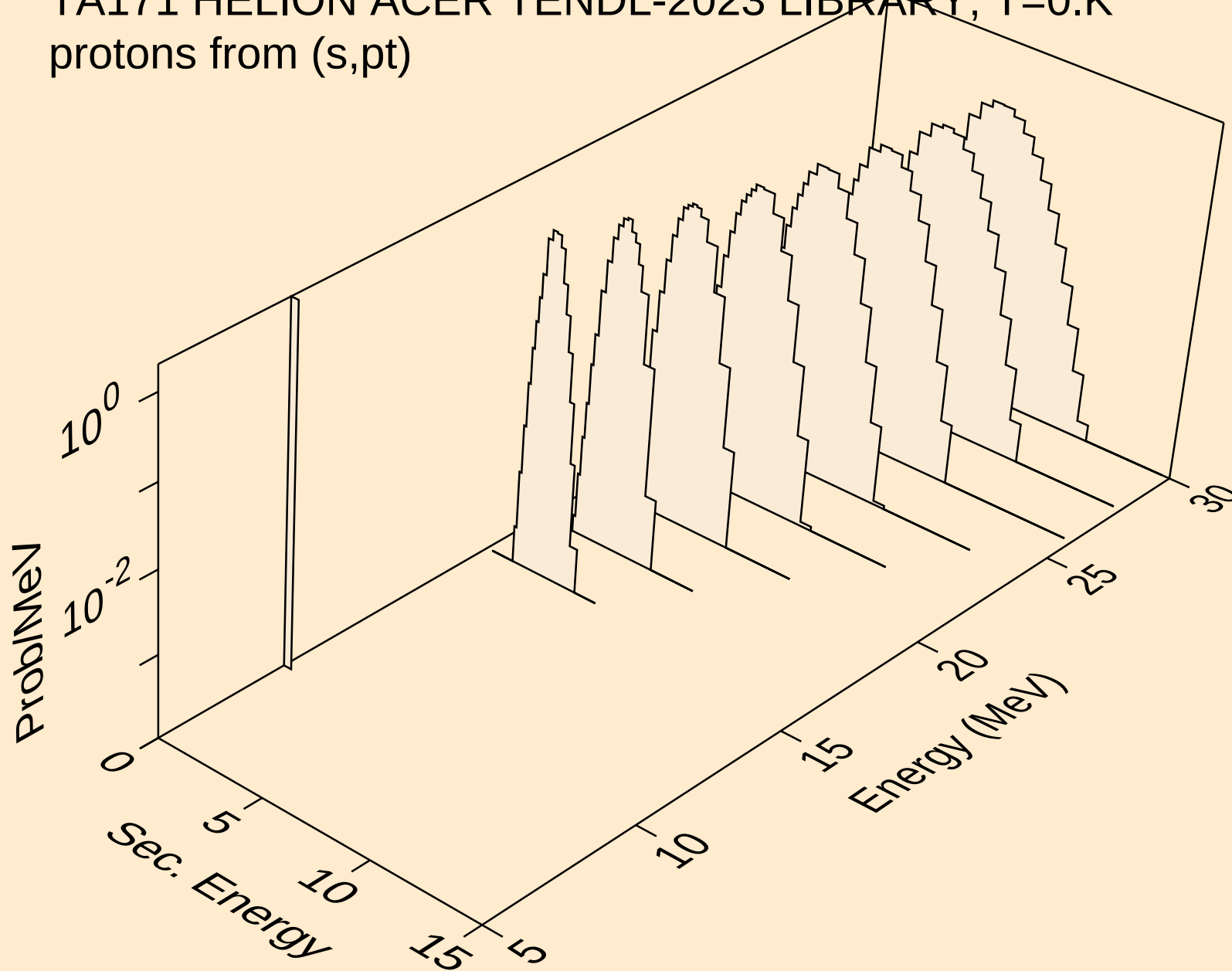
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pa)



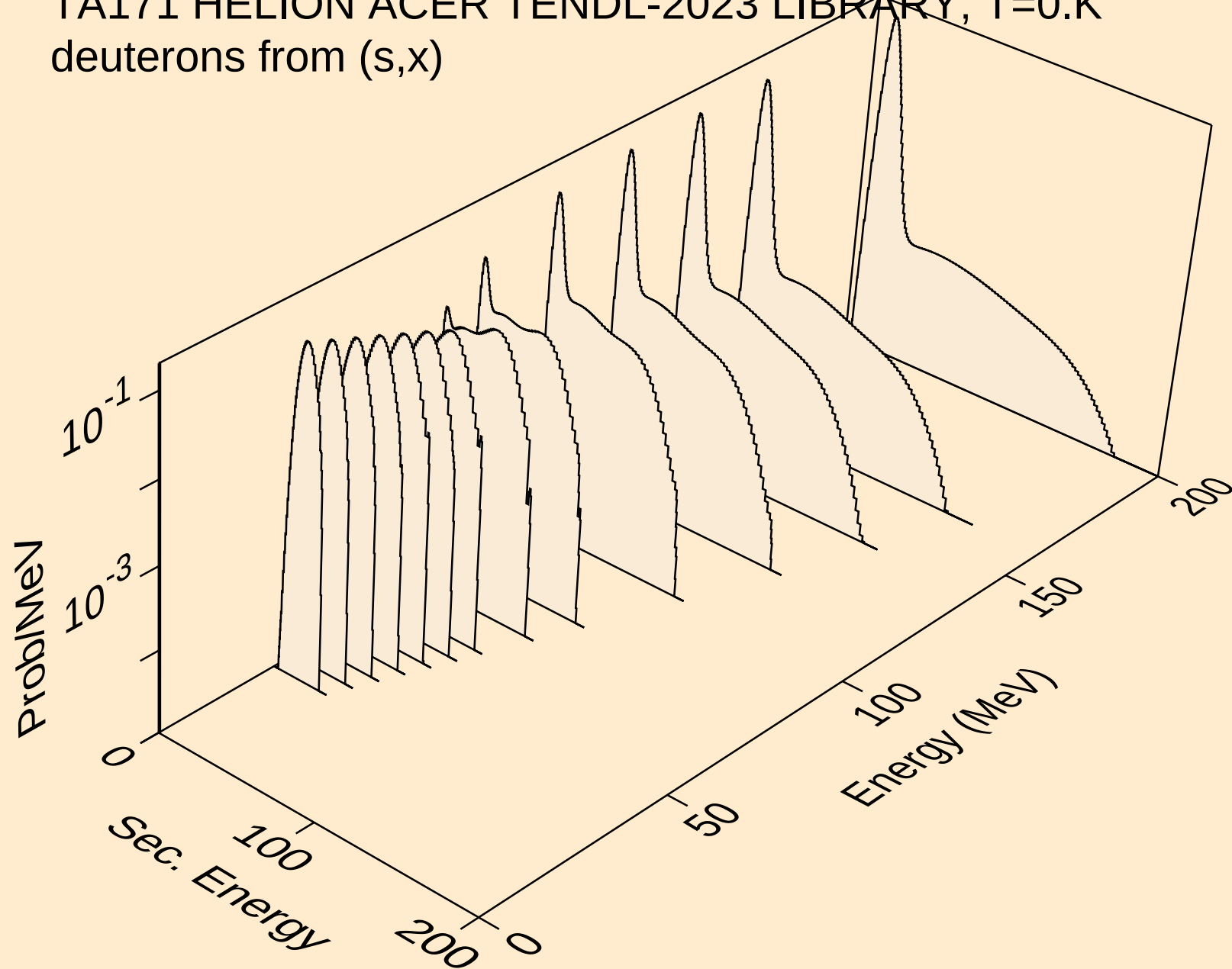
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pd)



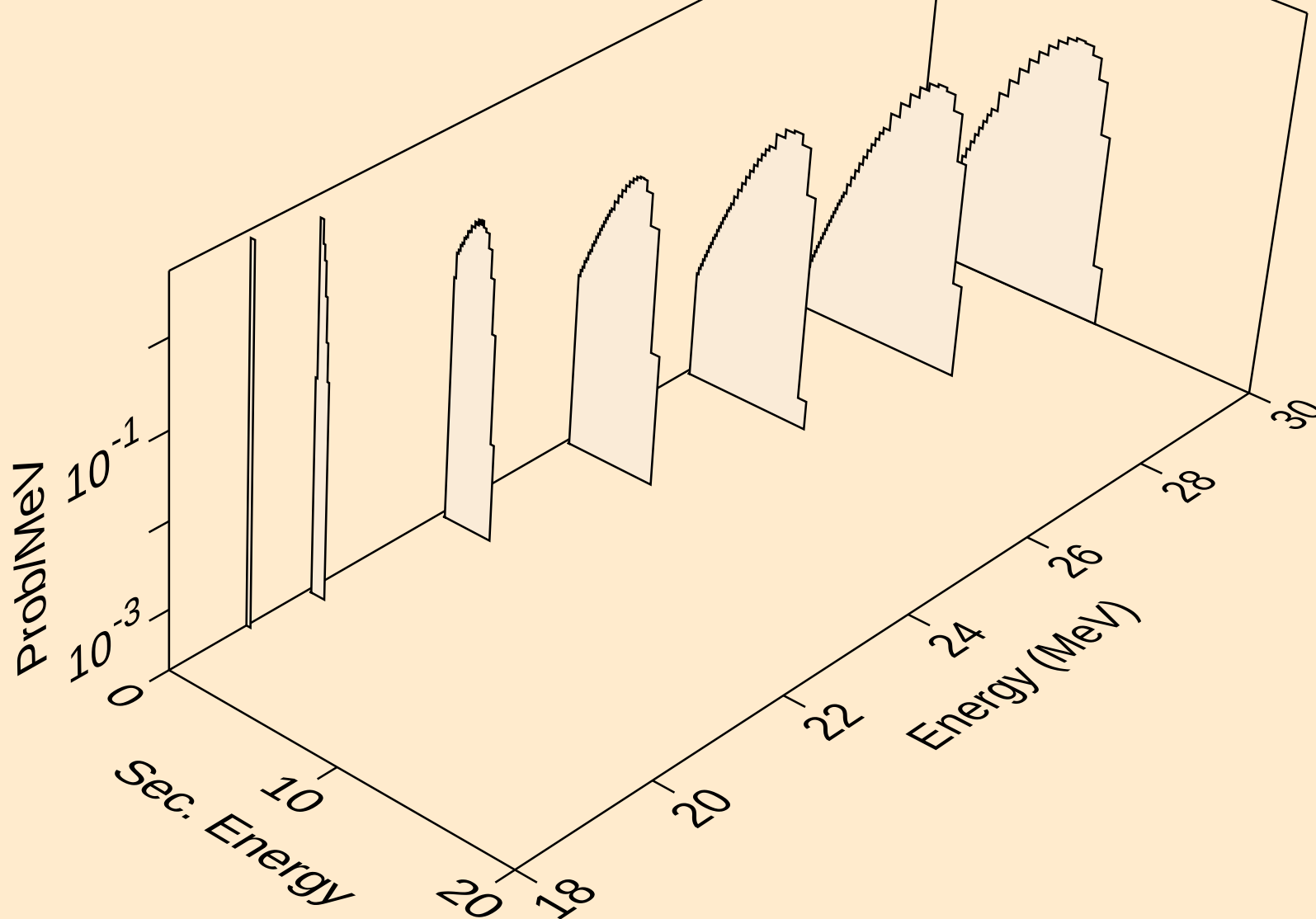
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pt)



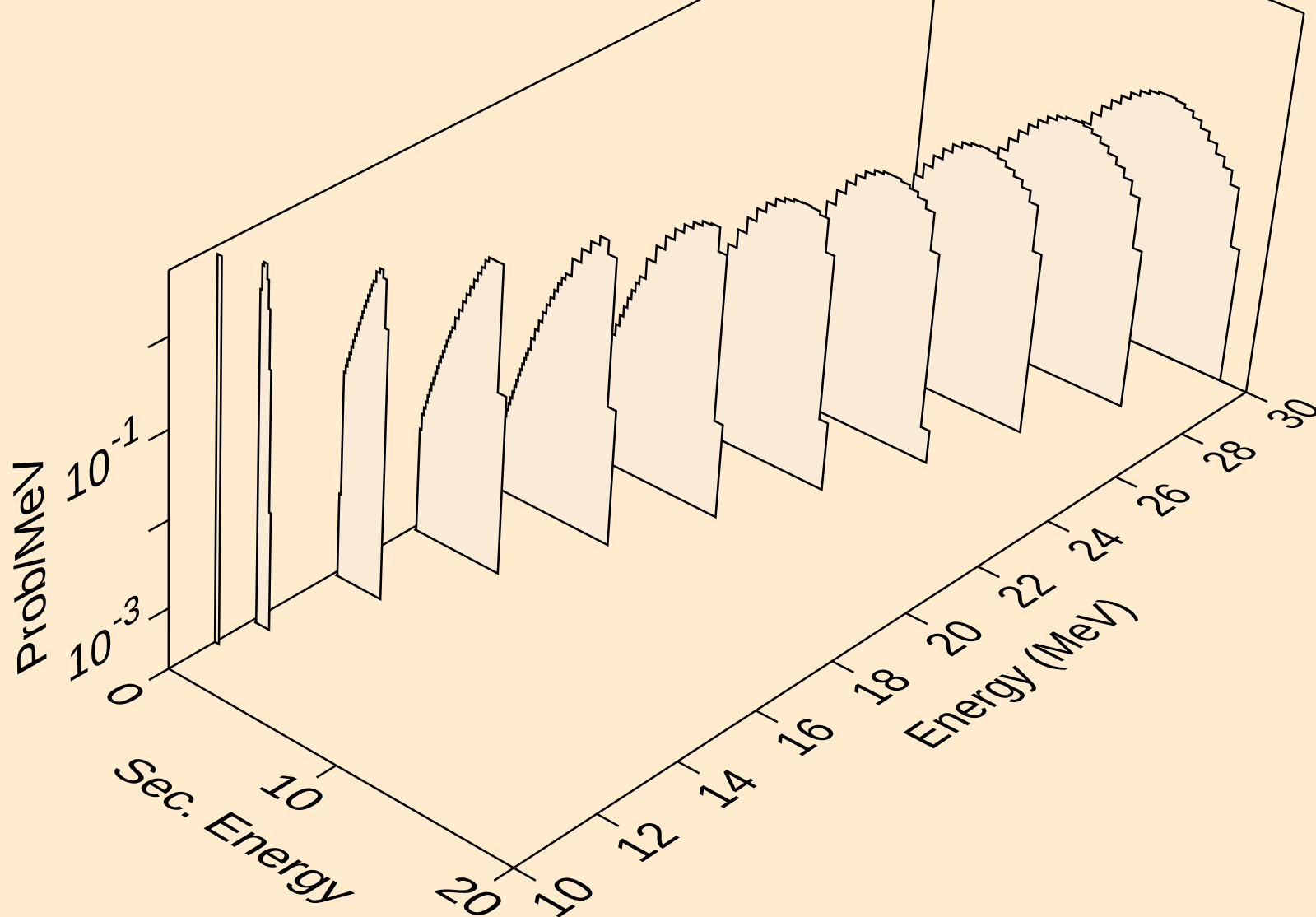
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,x)



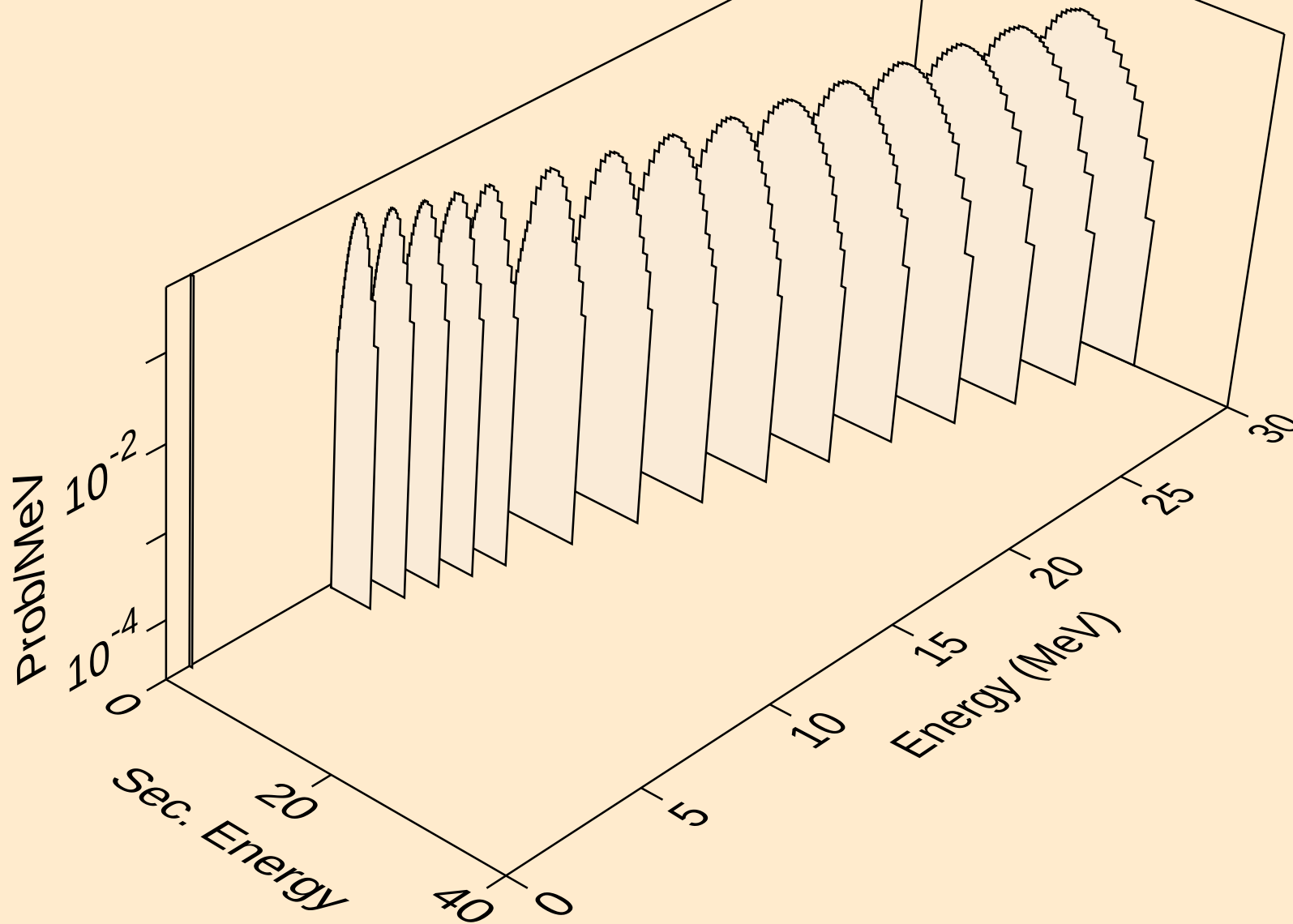
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,2nd)



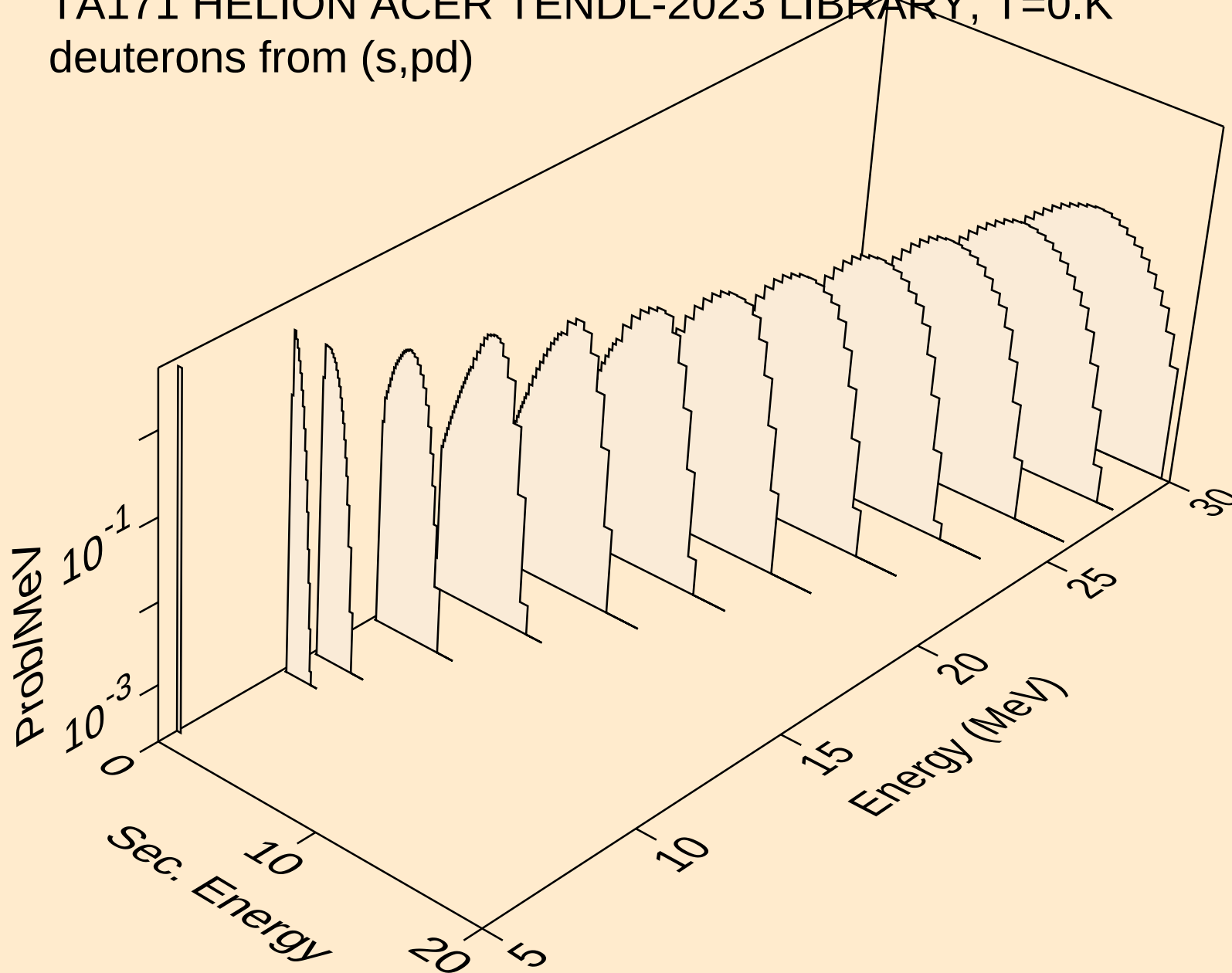
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,n\*)d



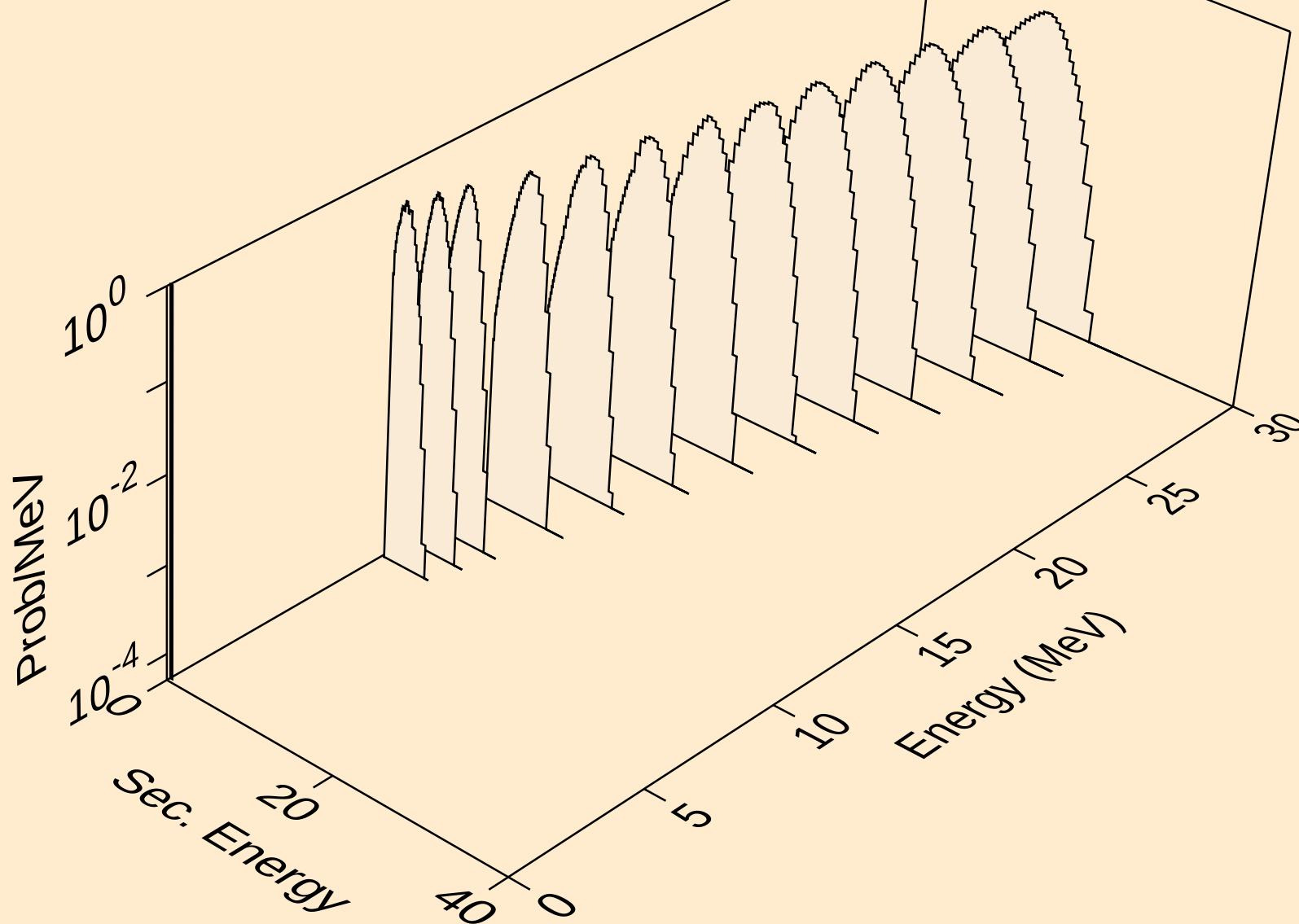
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,d)



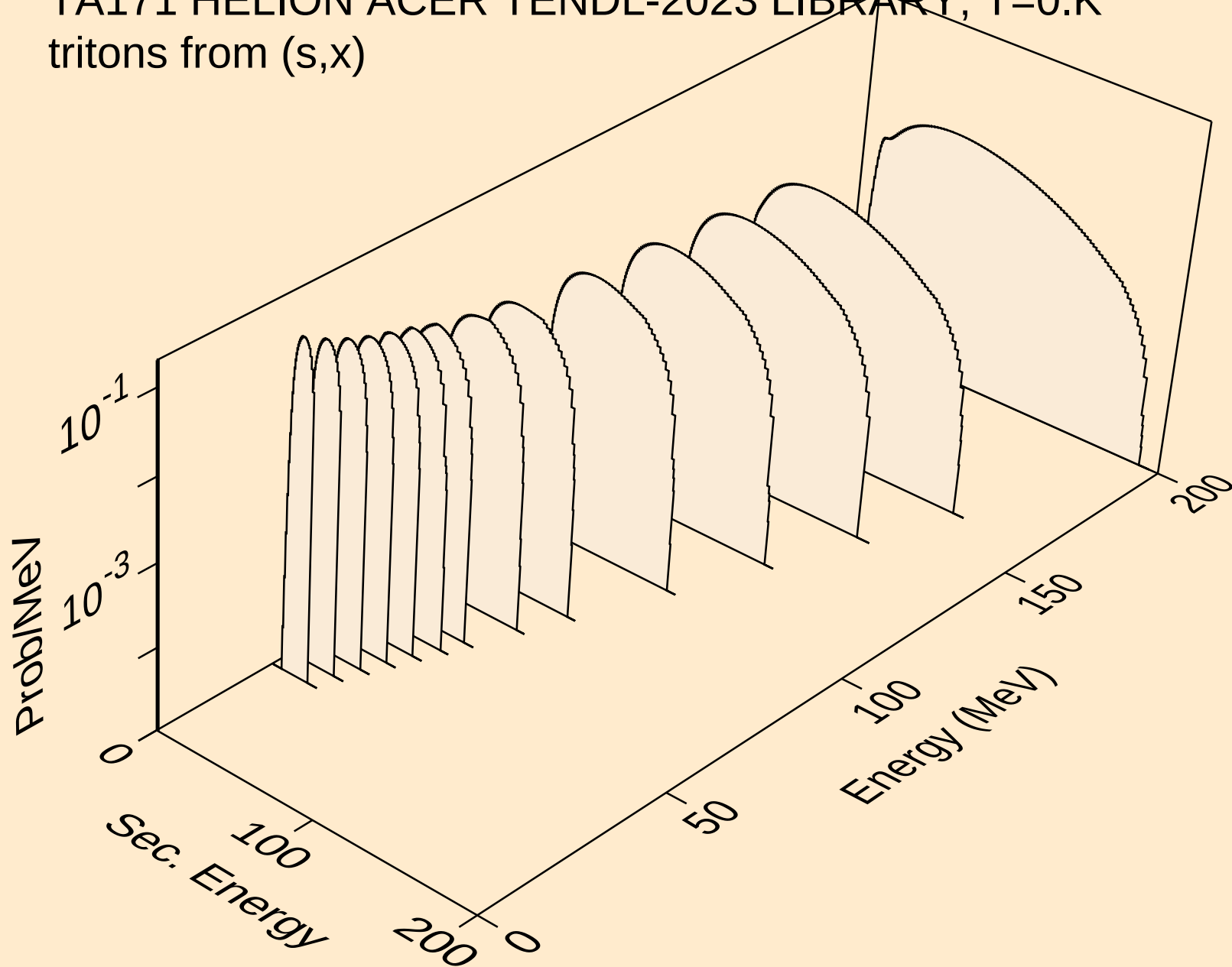
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,pd)



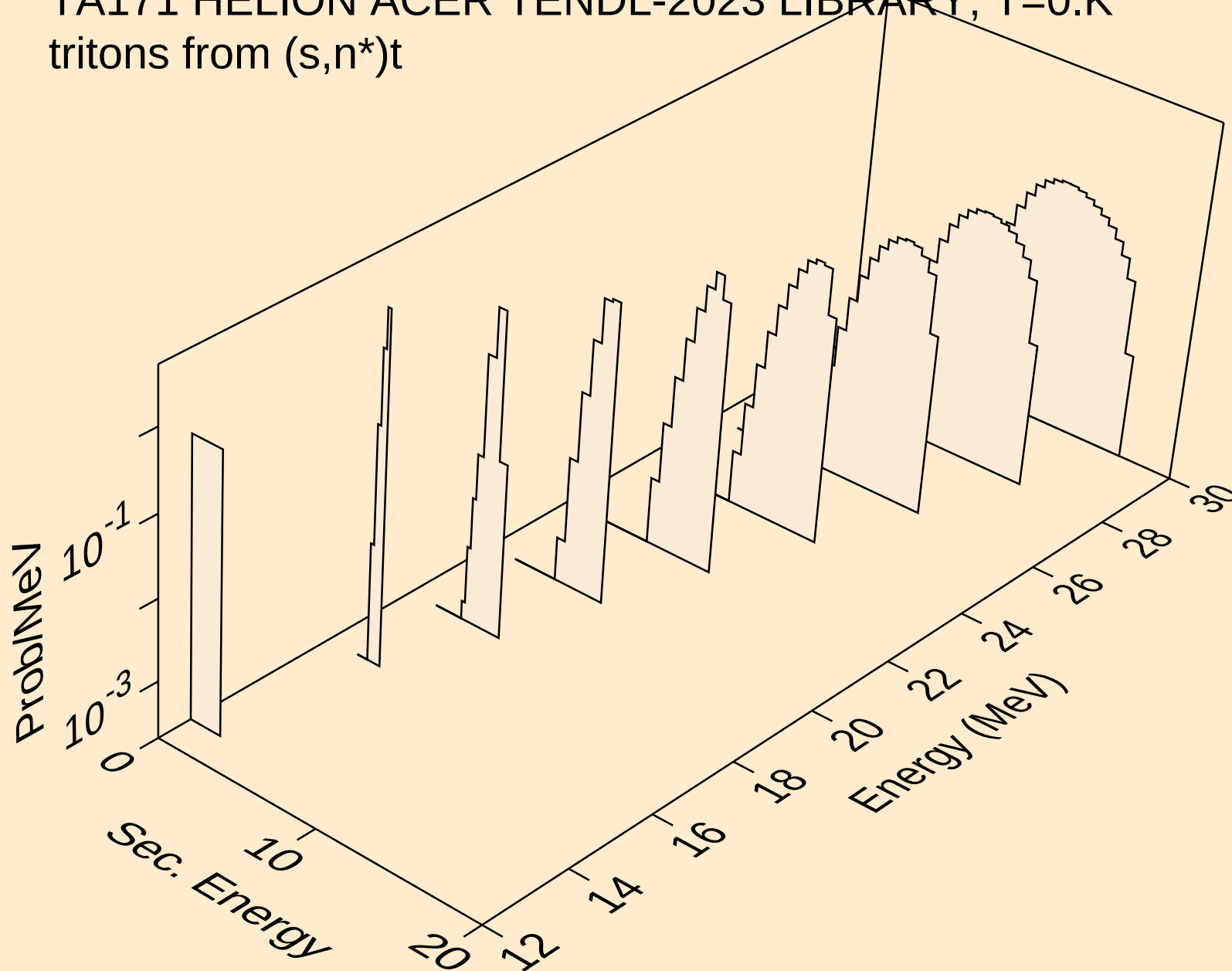
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,da)



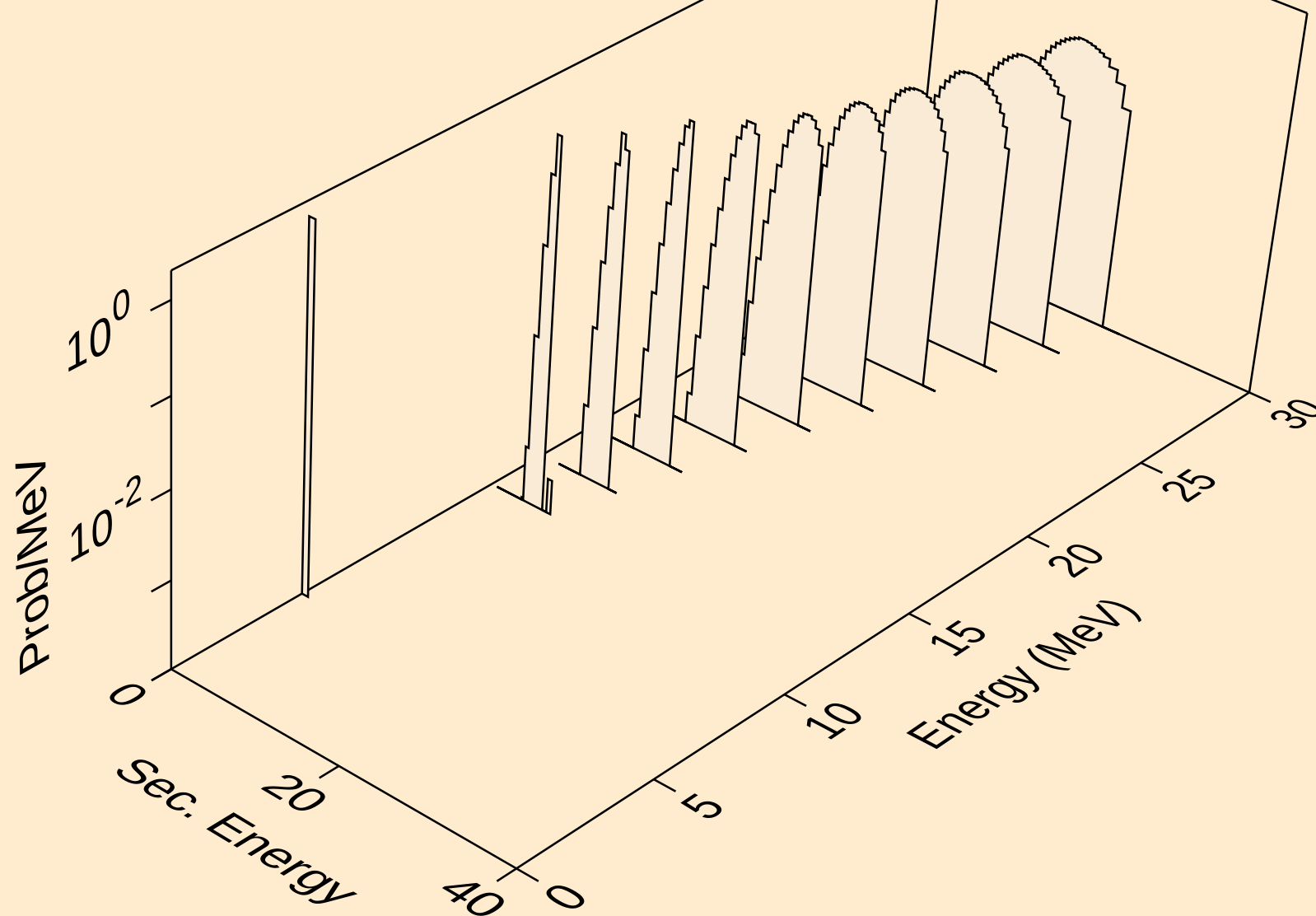
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,x)



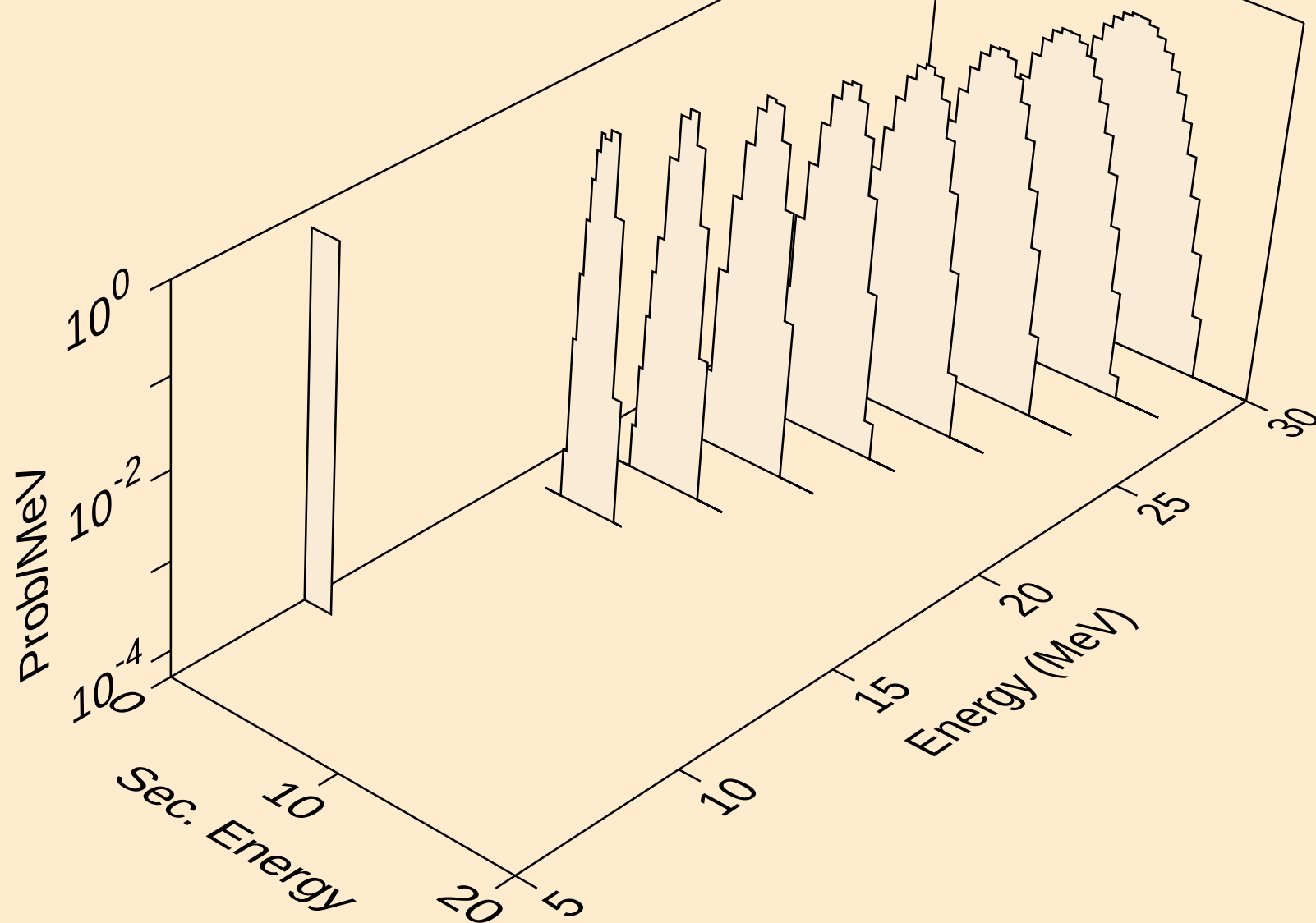
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,n\*)t



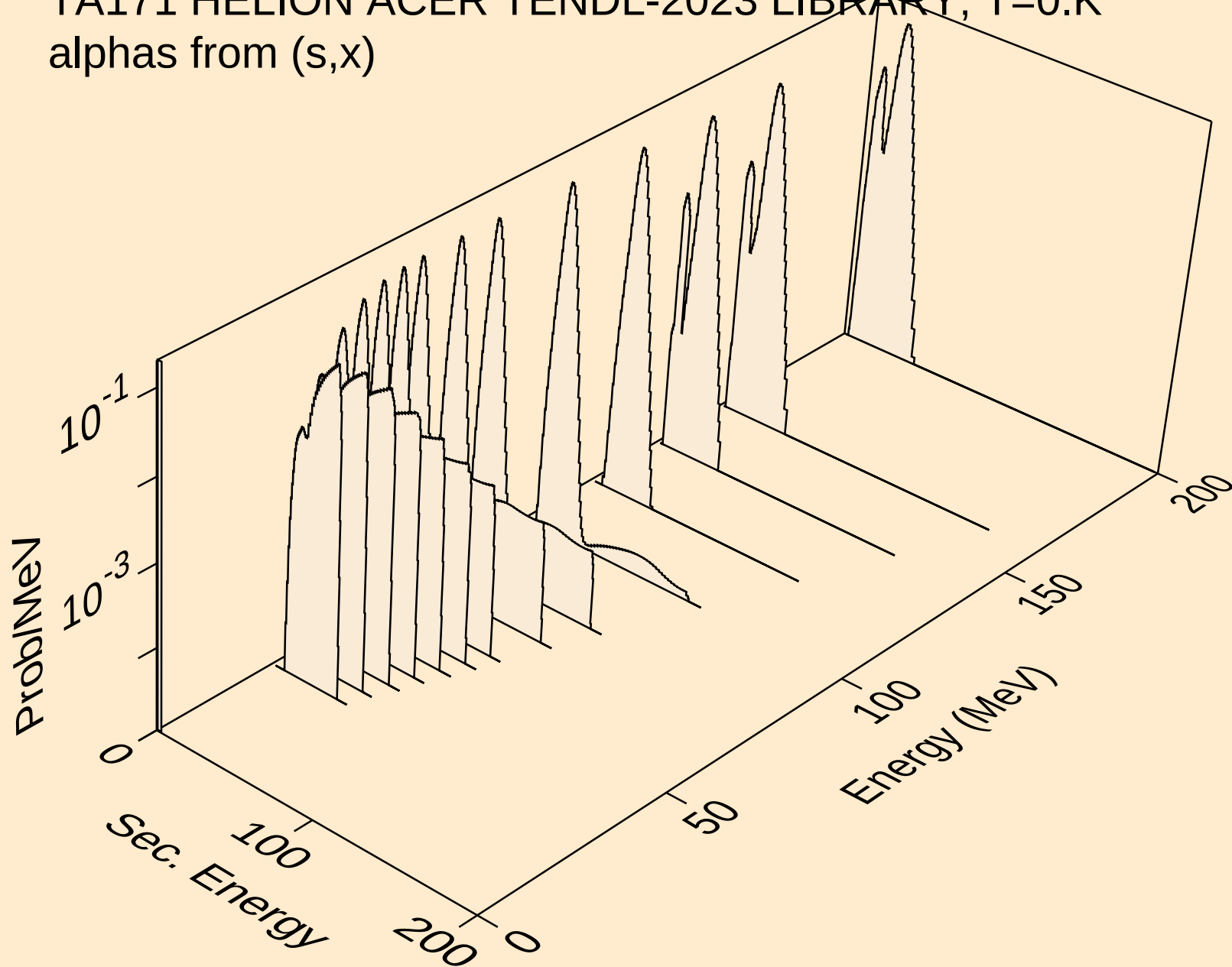
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,t)



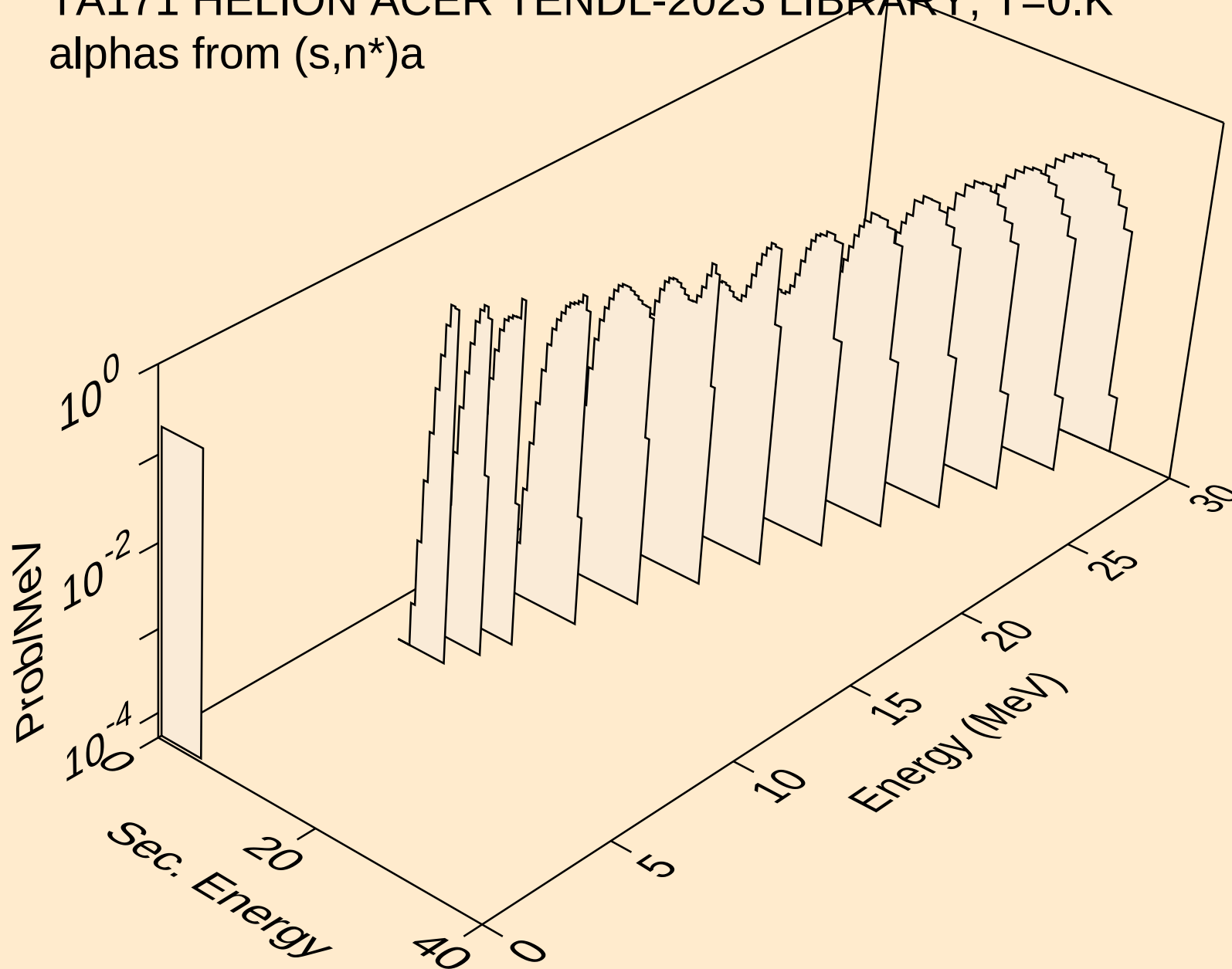
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,pt)



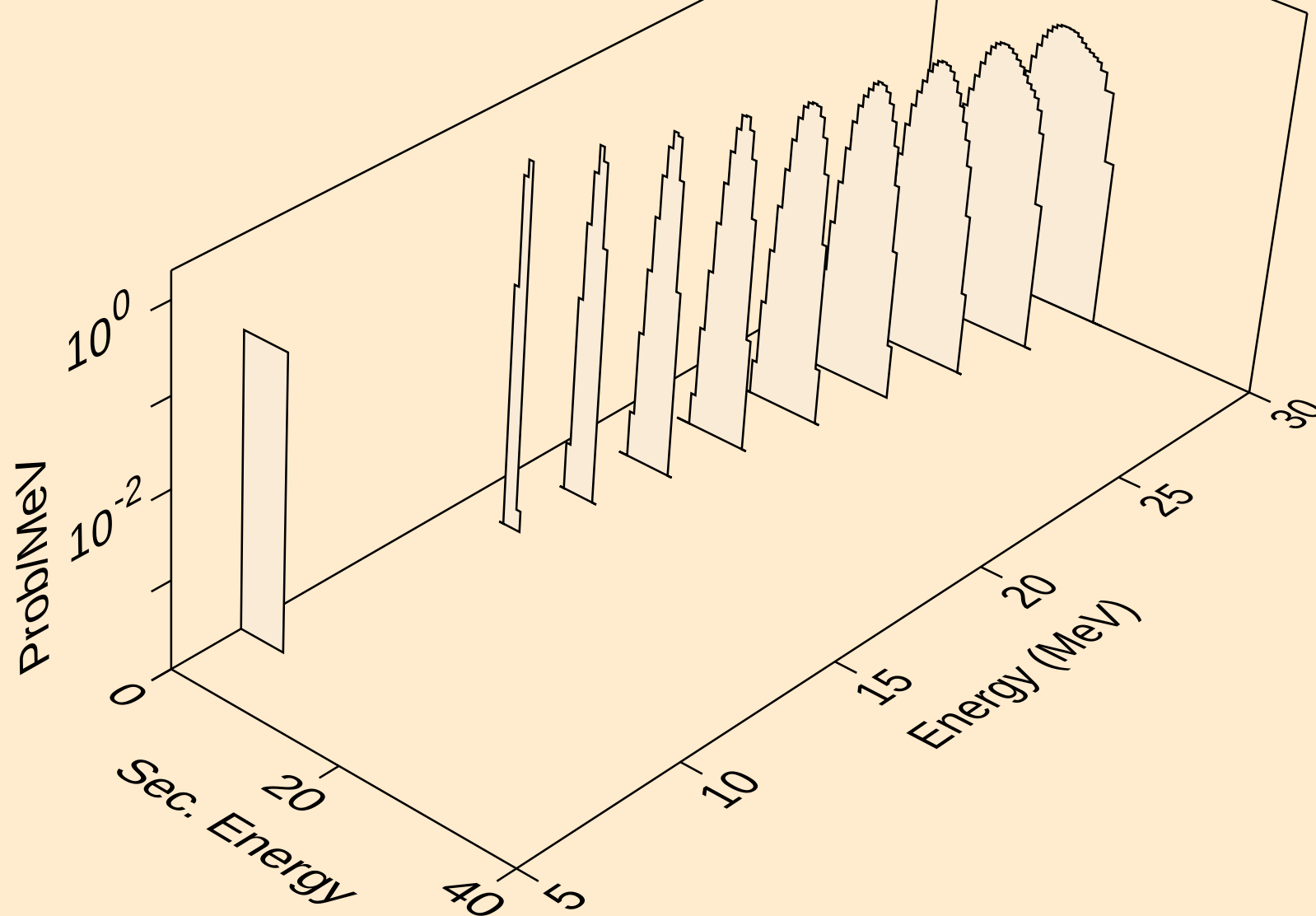
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,x)



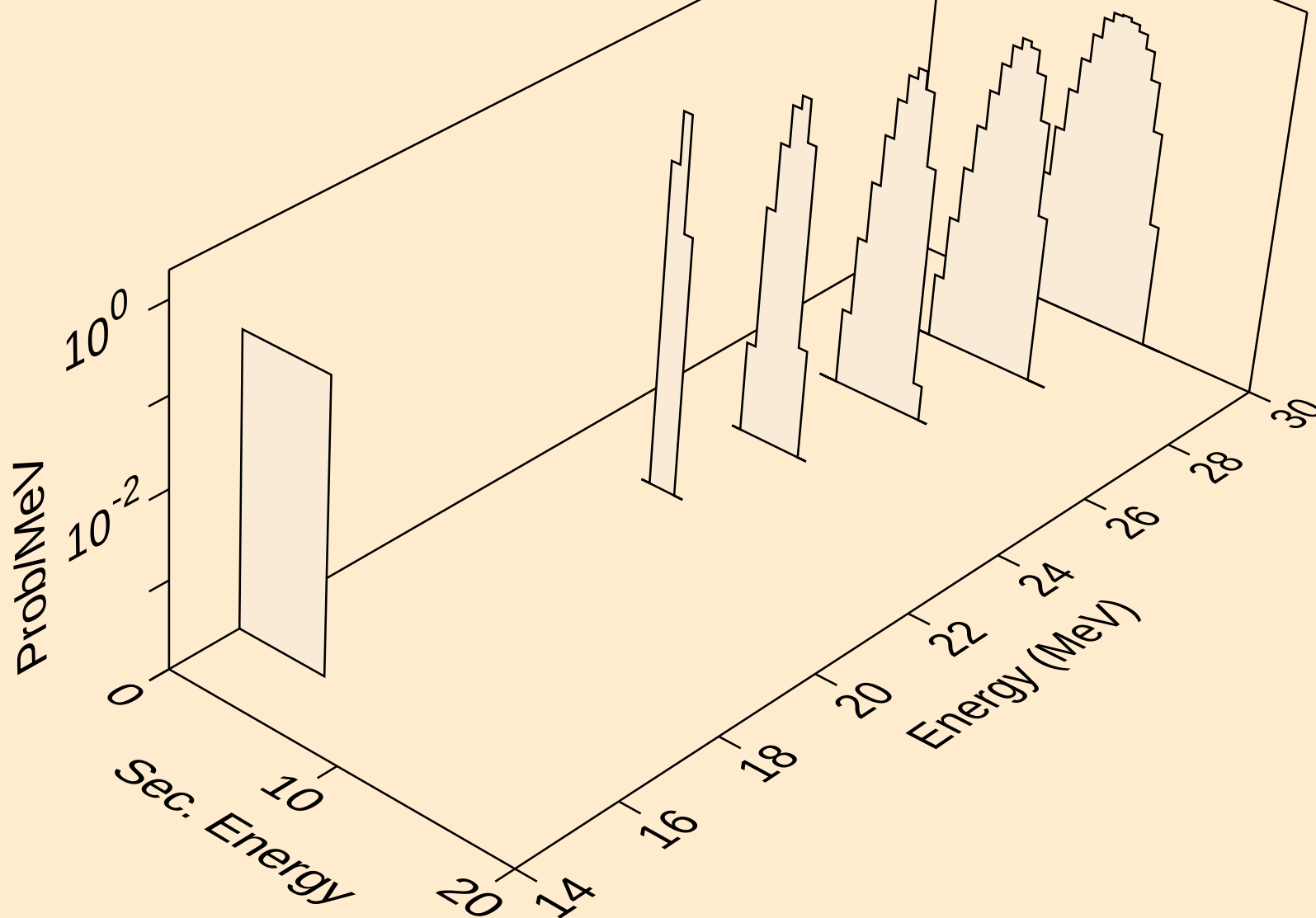
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)a



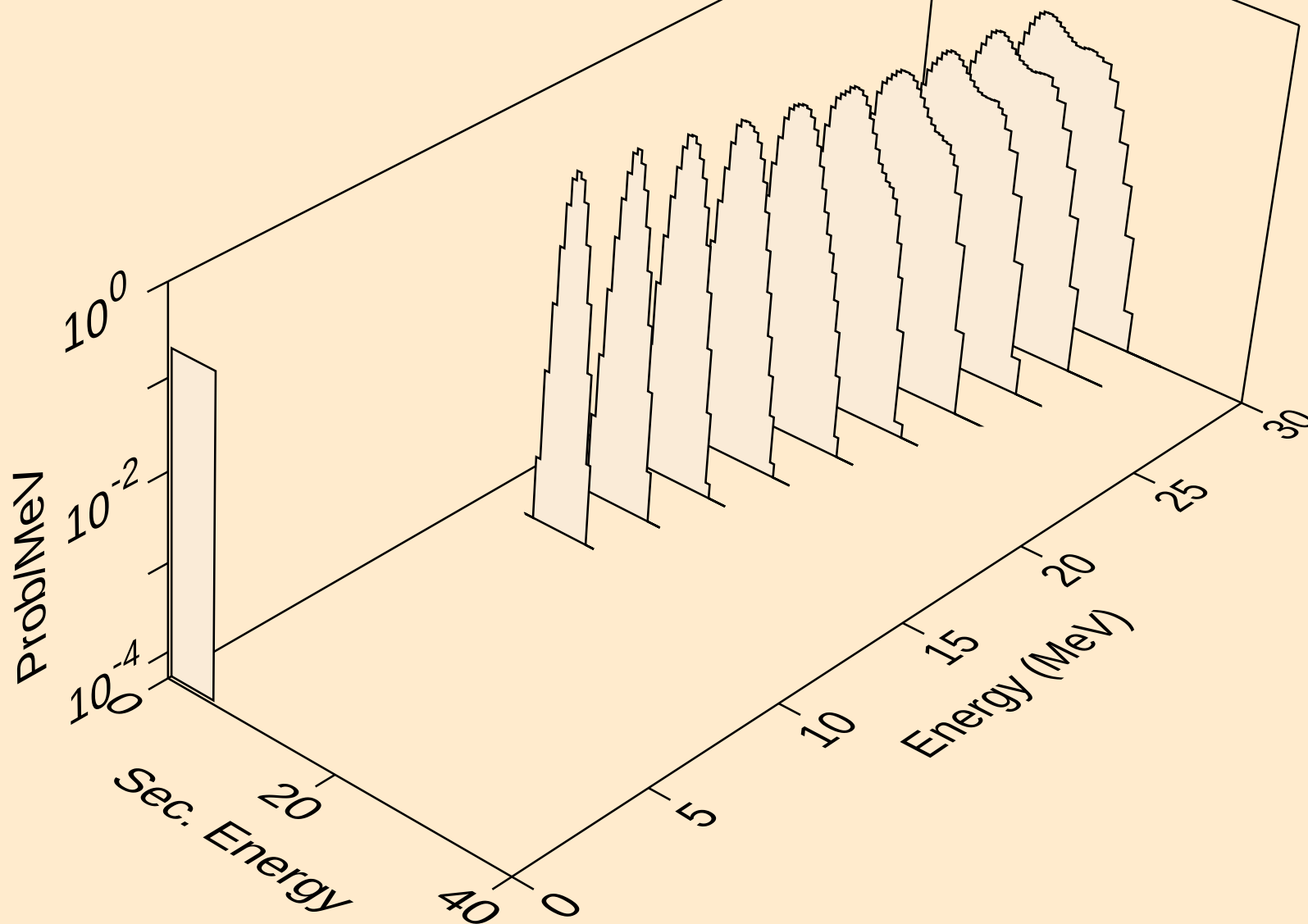
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2n)a



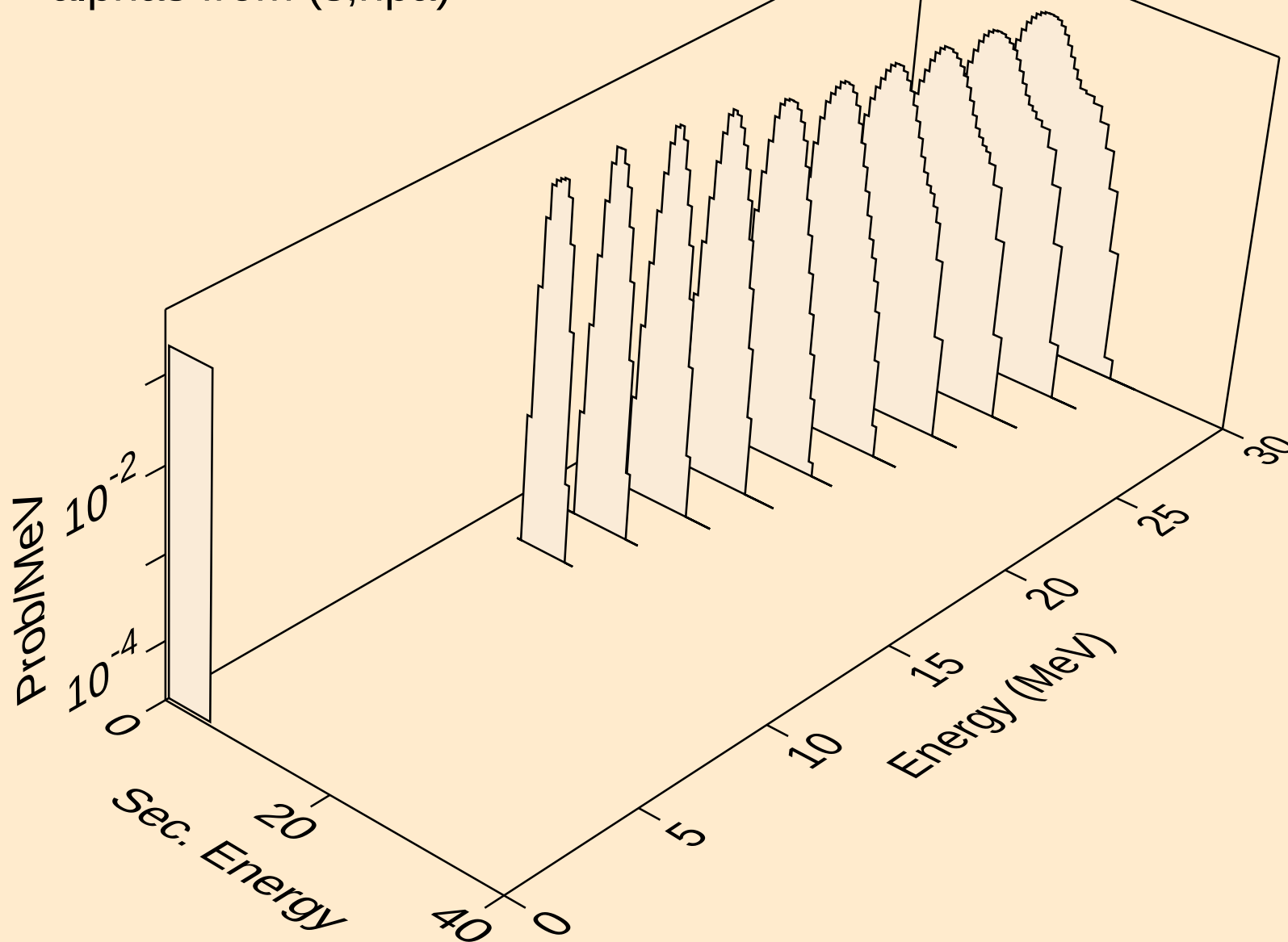
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,3n)a



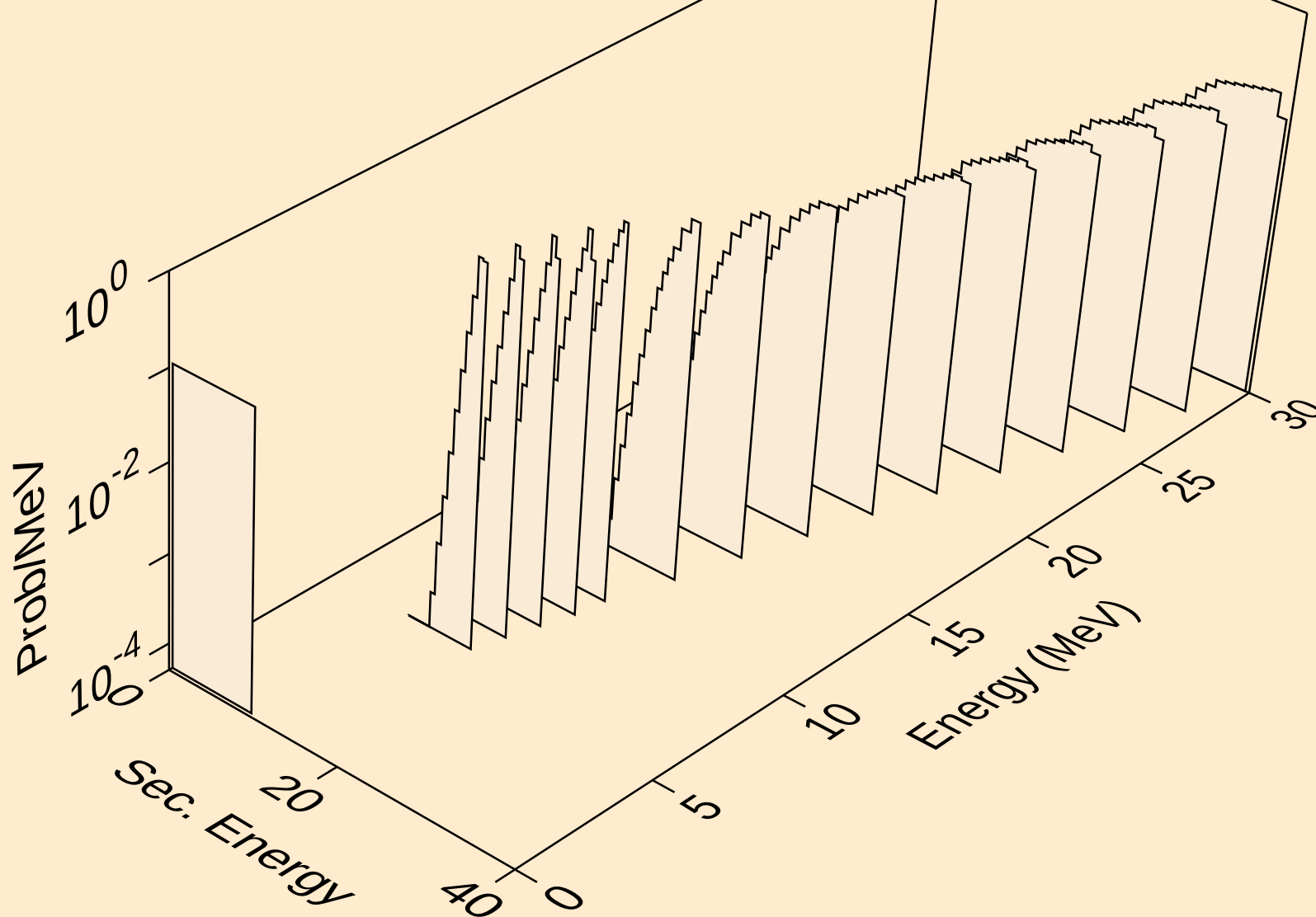
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)2a



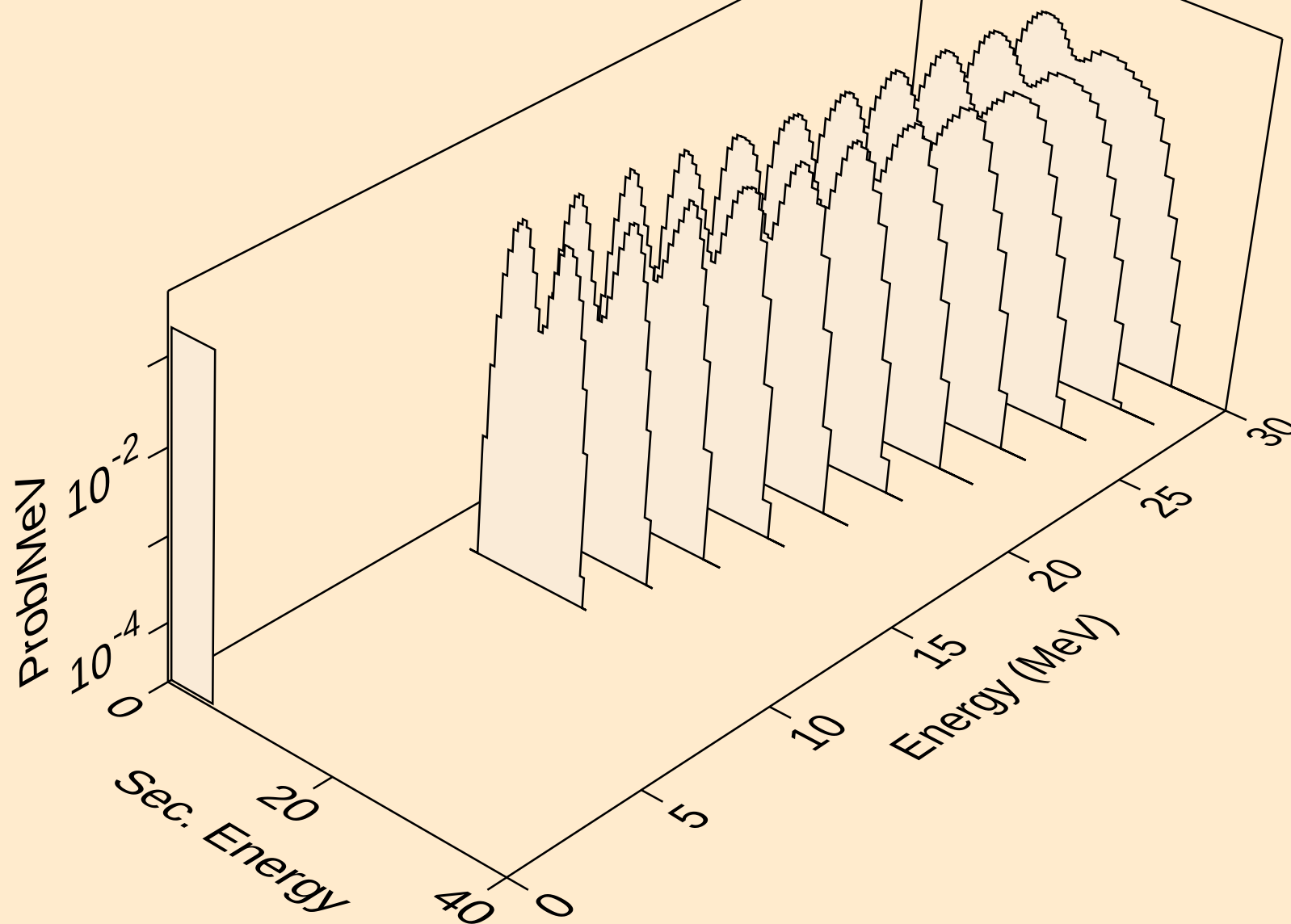
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,npa)



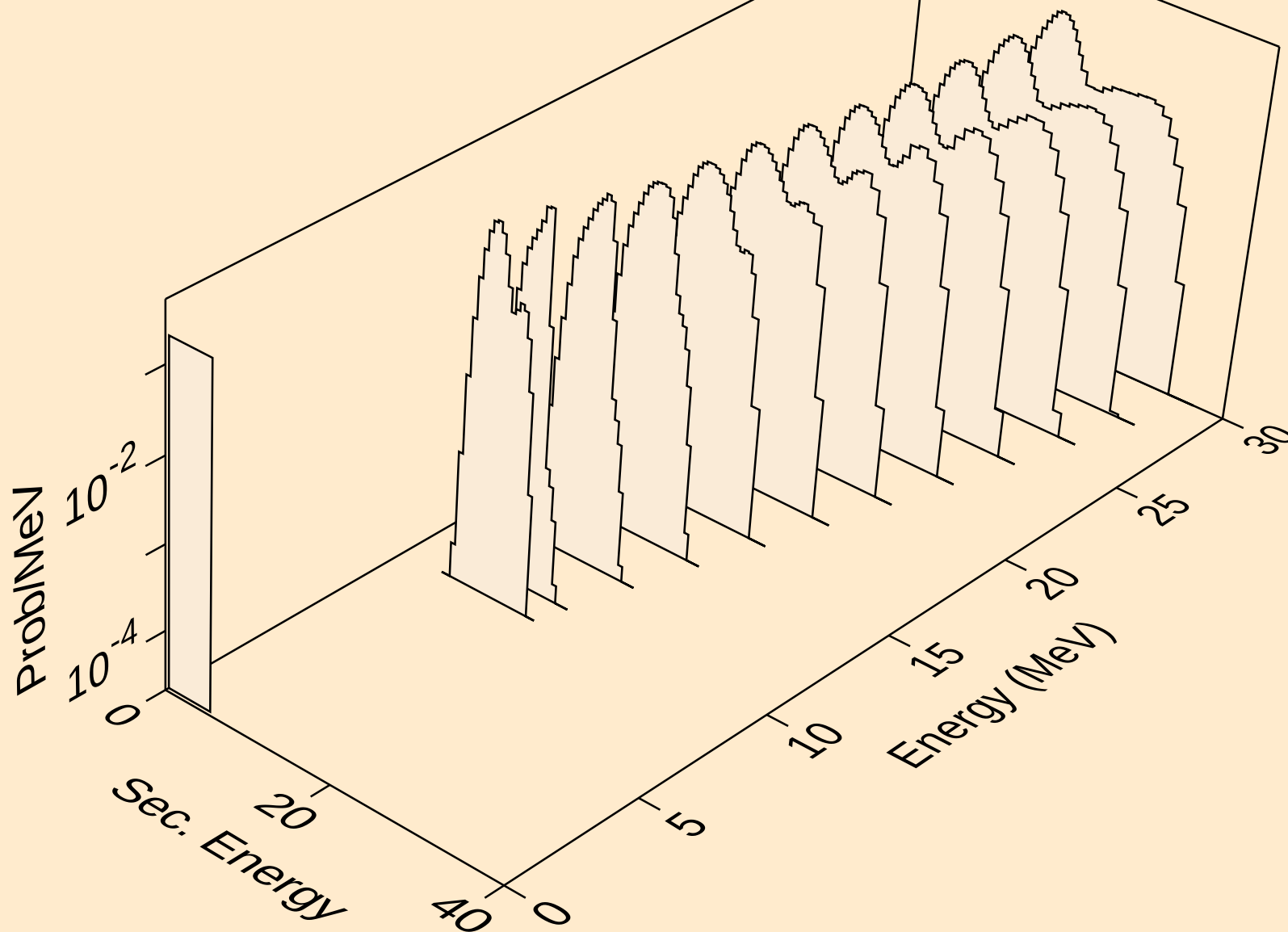
TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,a)



TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)



TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



TA171 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

