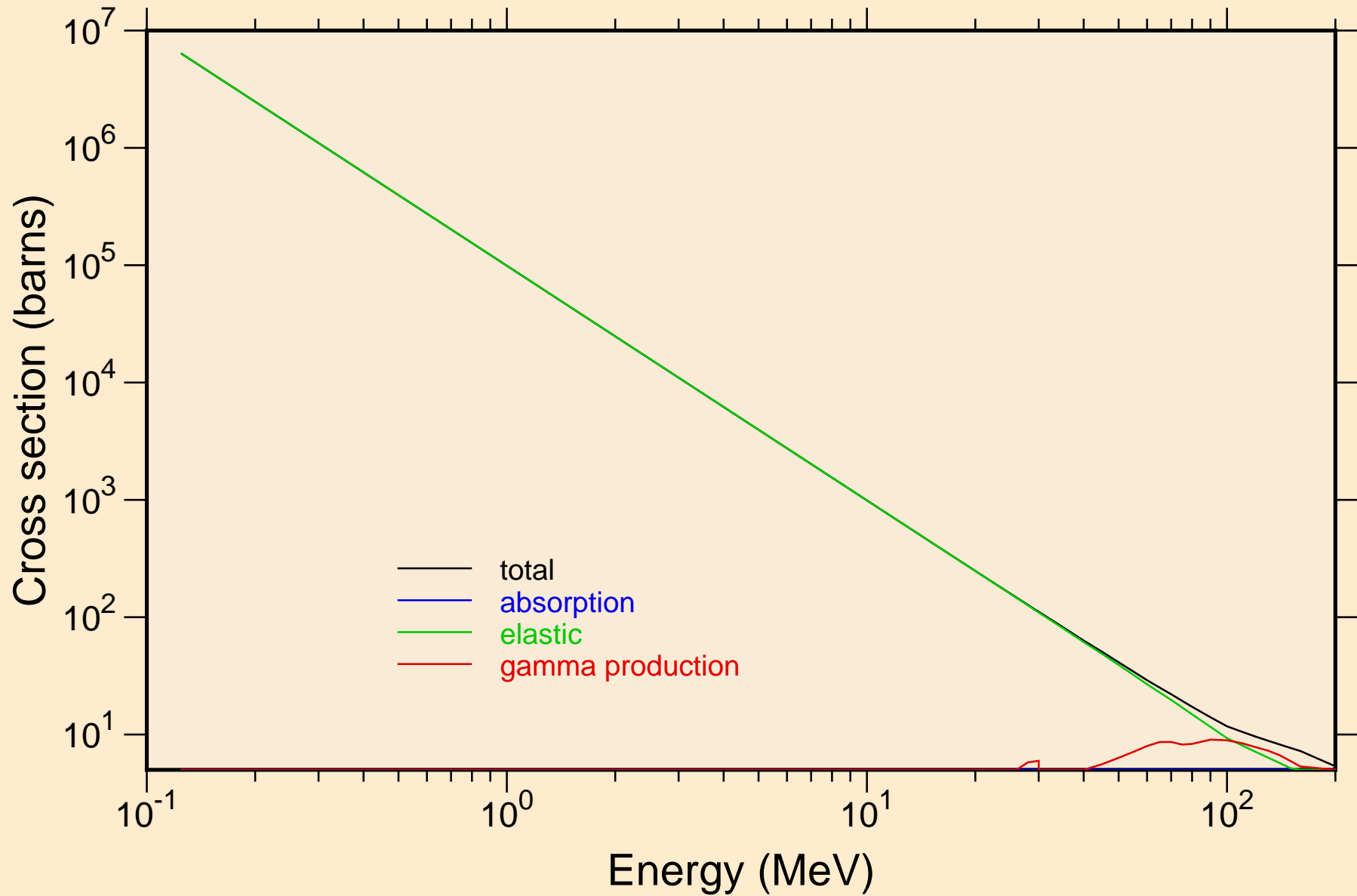


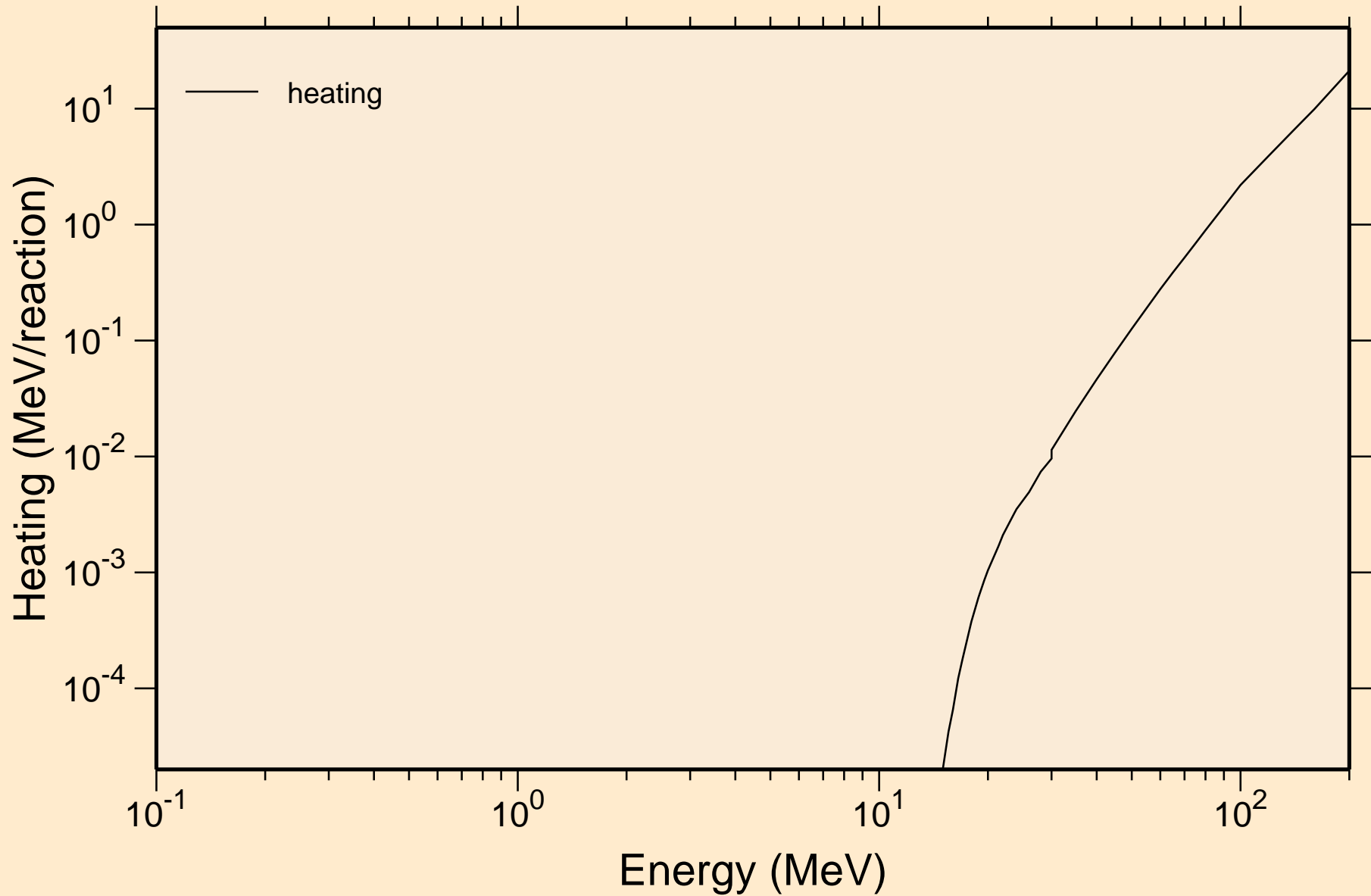
# SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



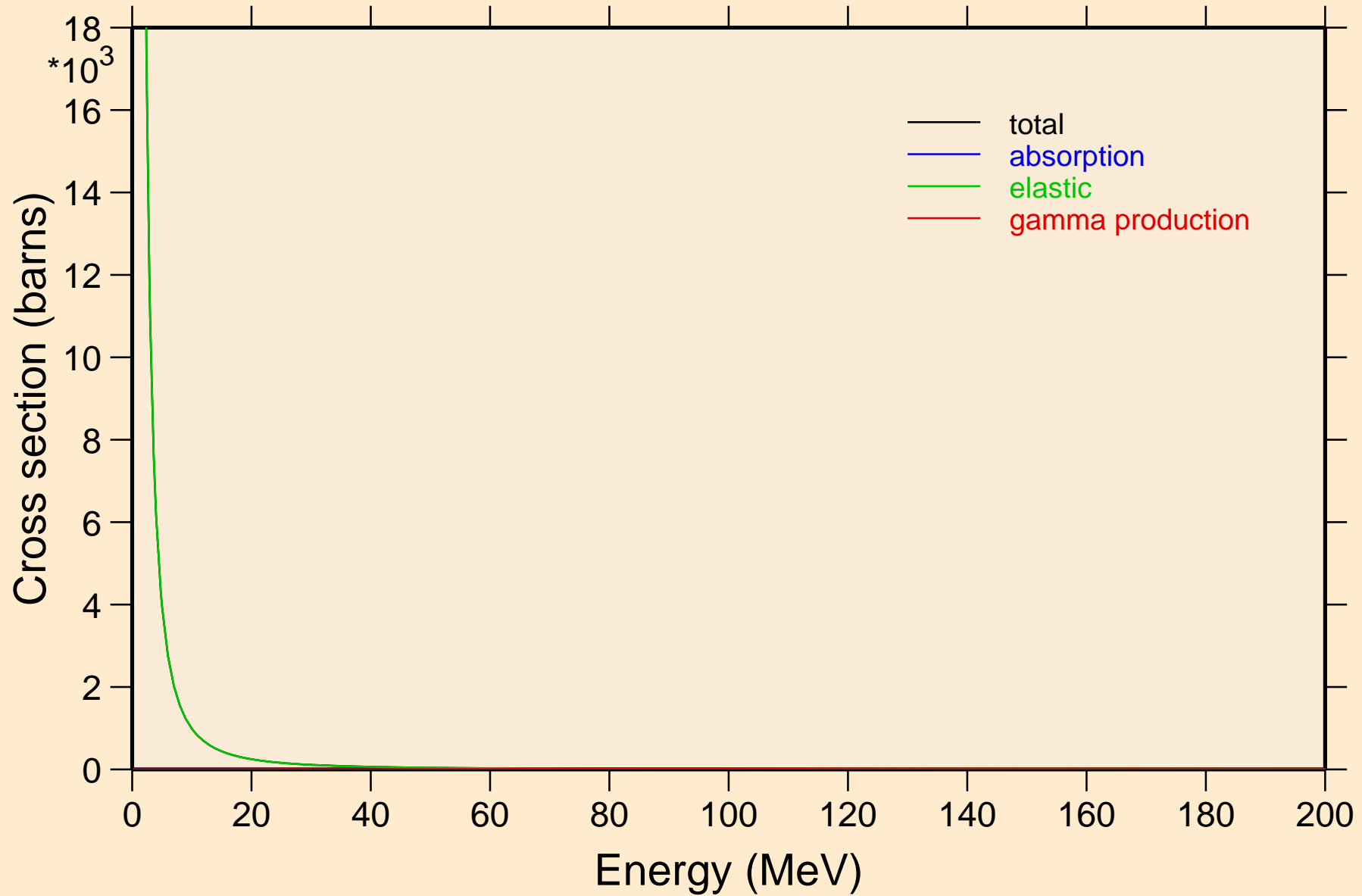
# SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Heating



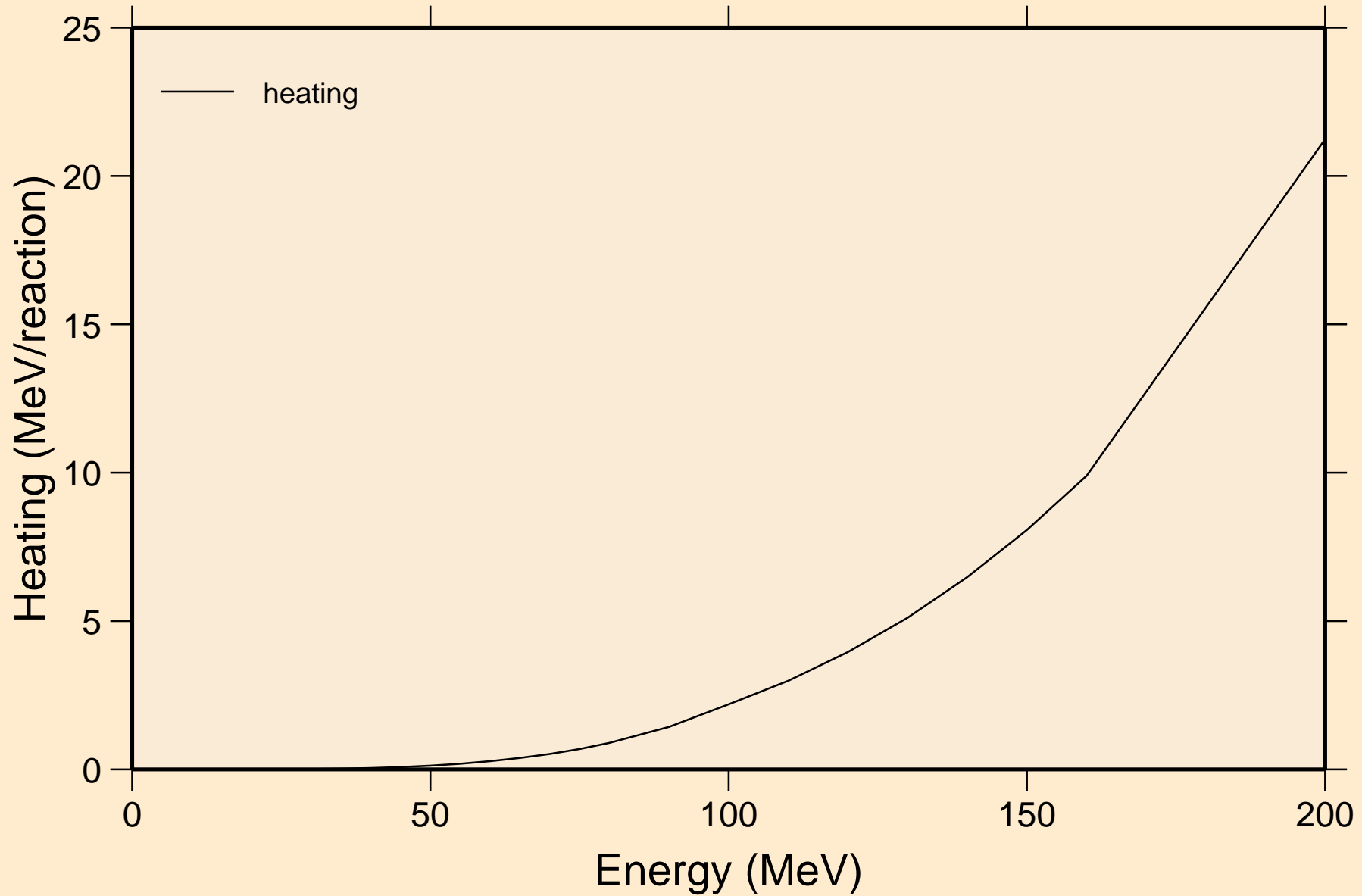
# SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

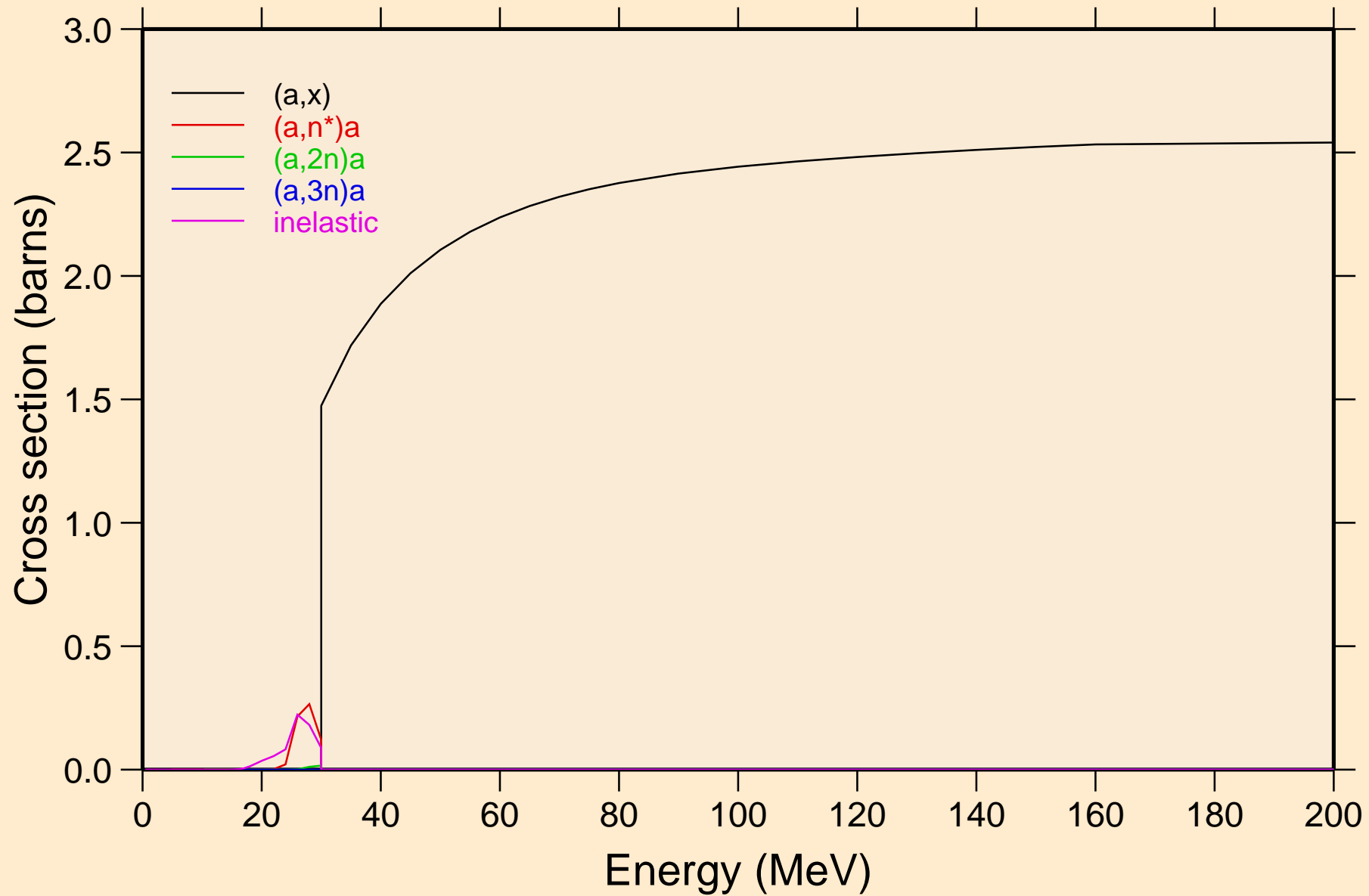


SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

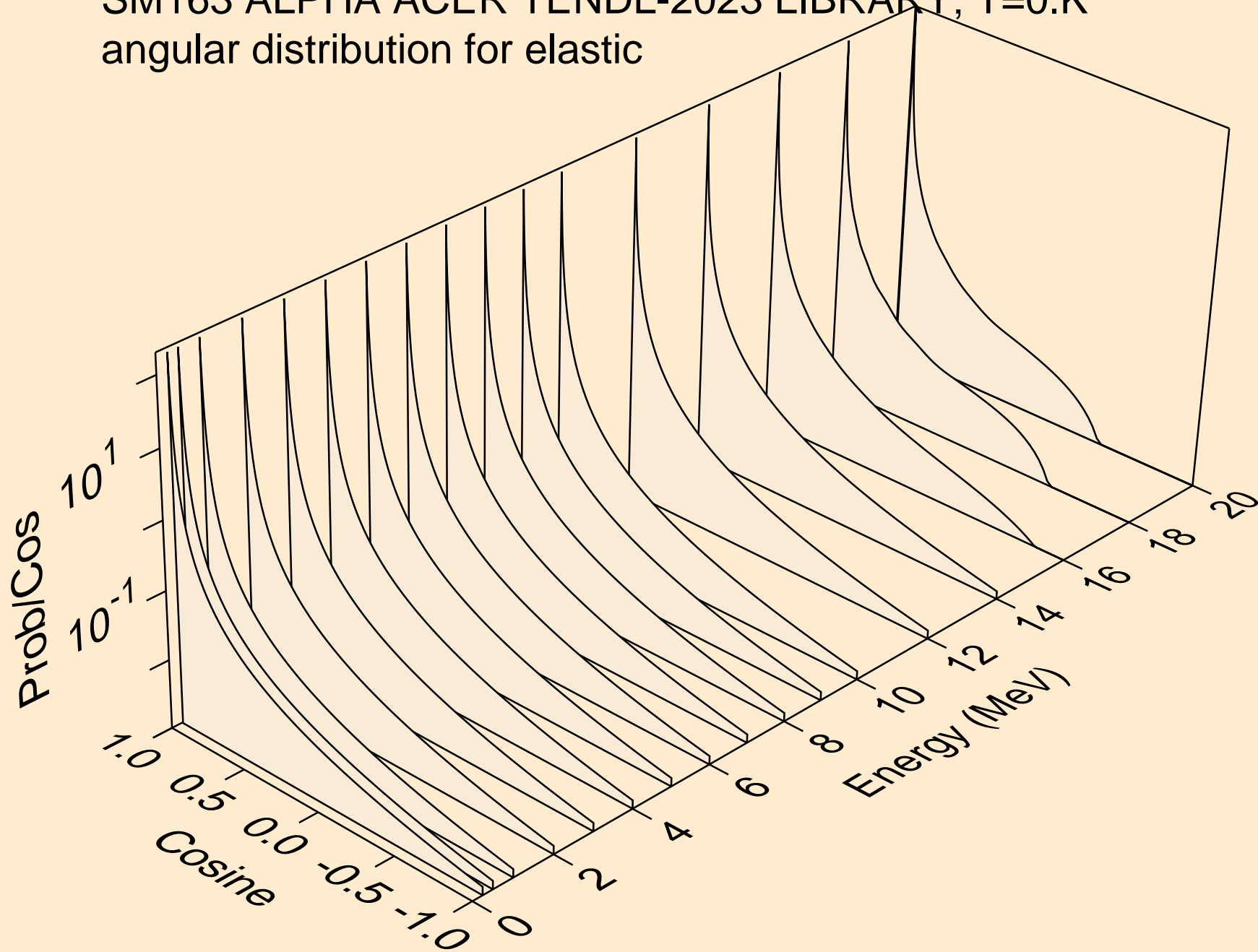
Heating



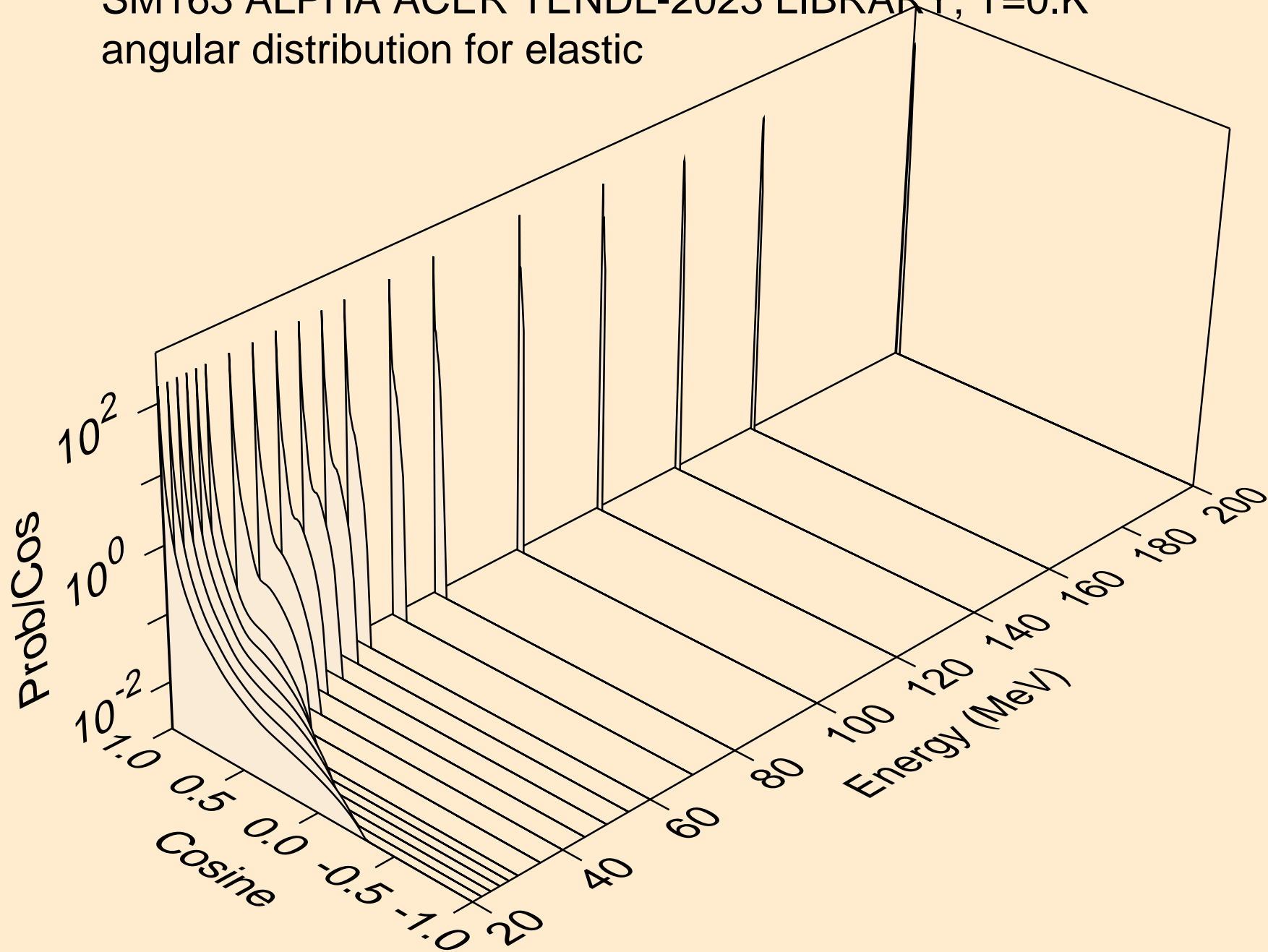
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



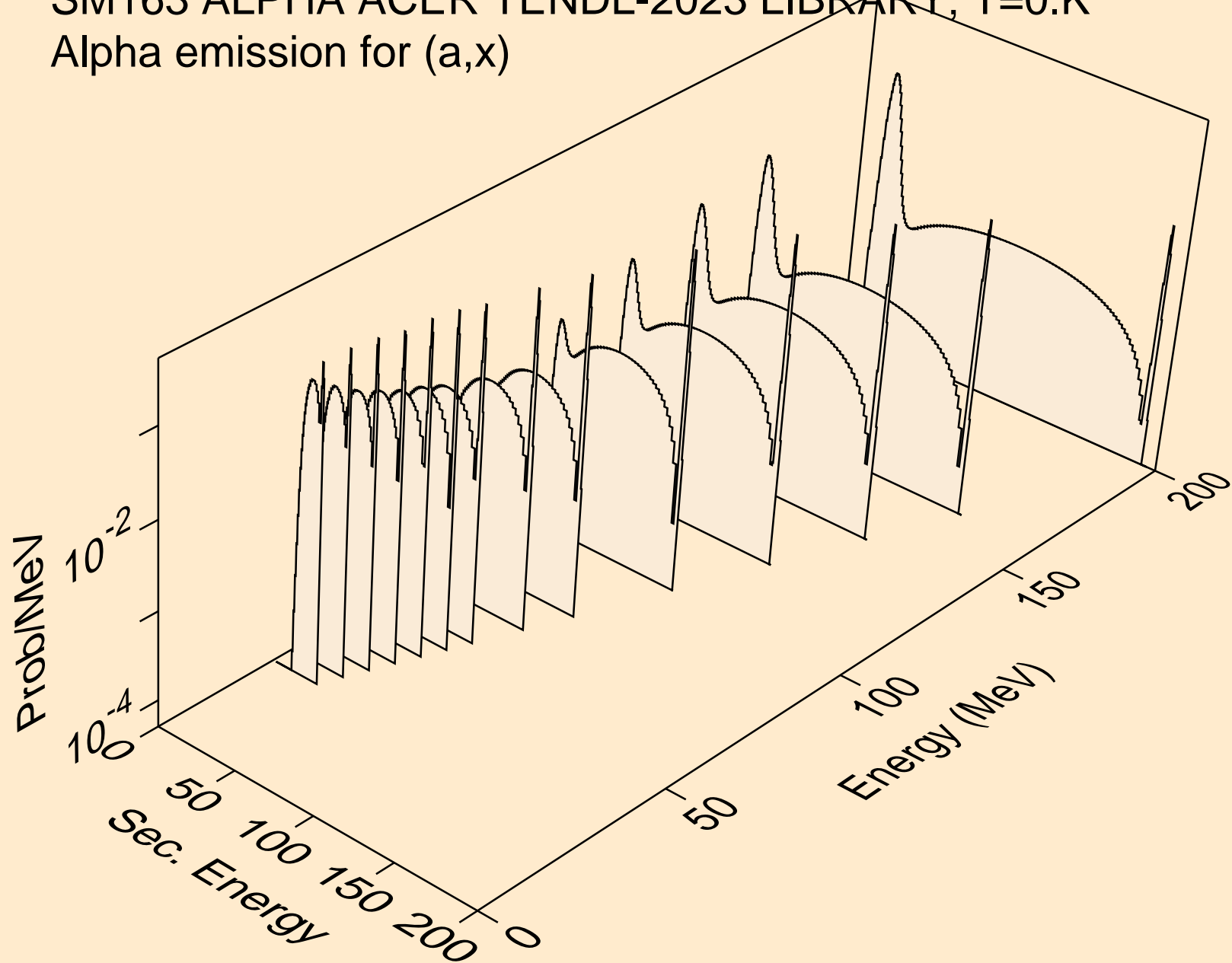
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

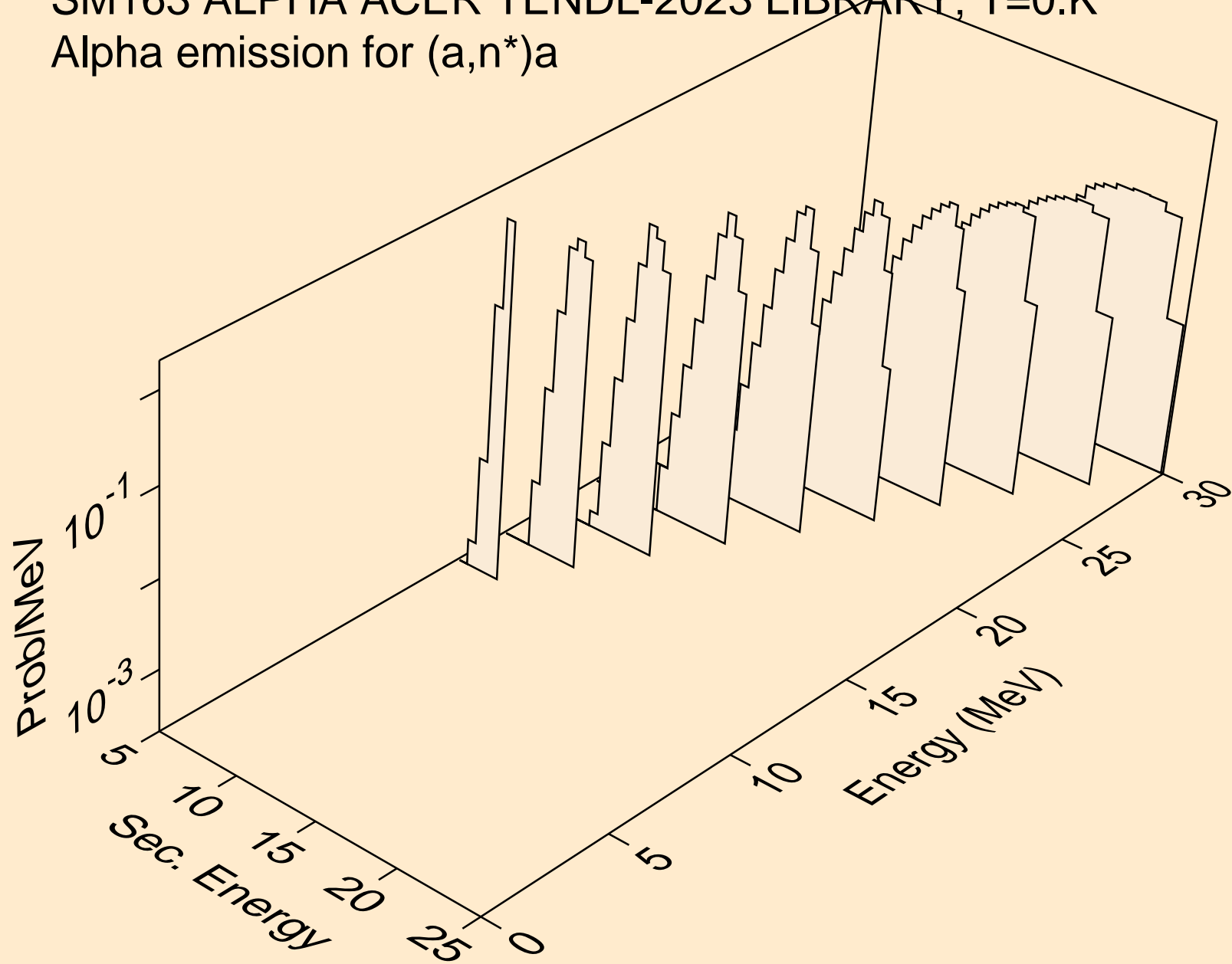


SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,x)

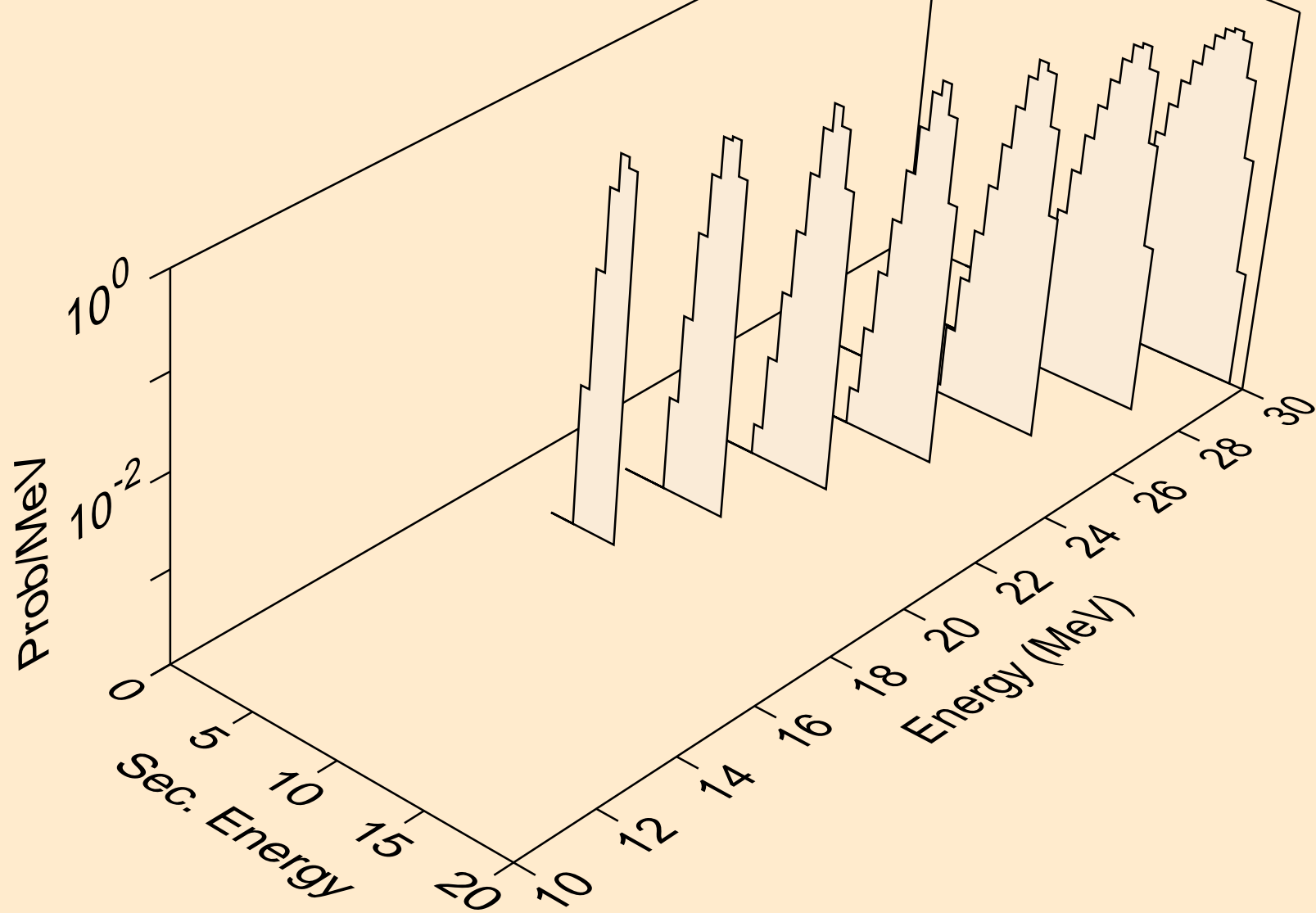




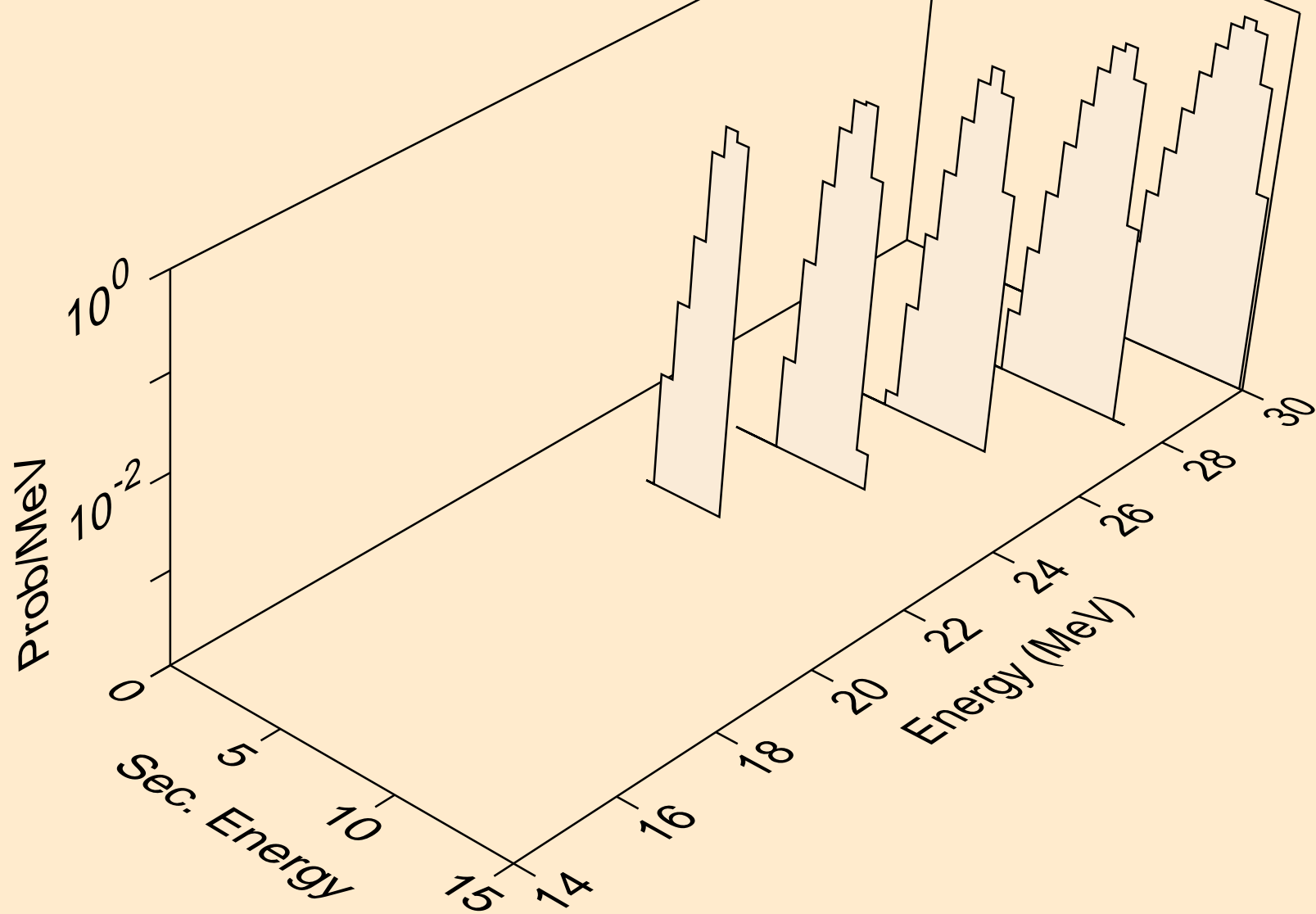
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a



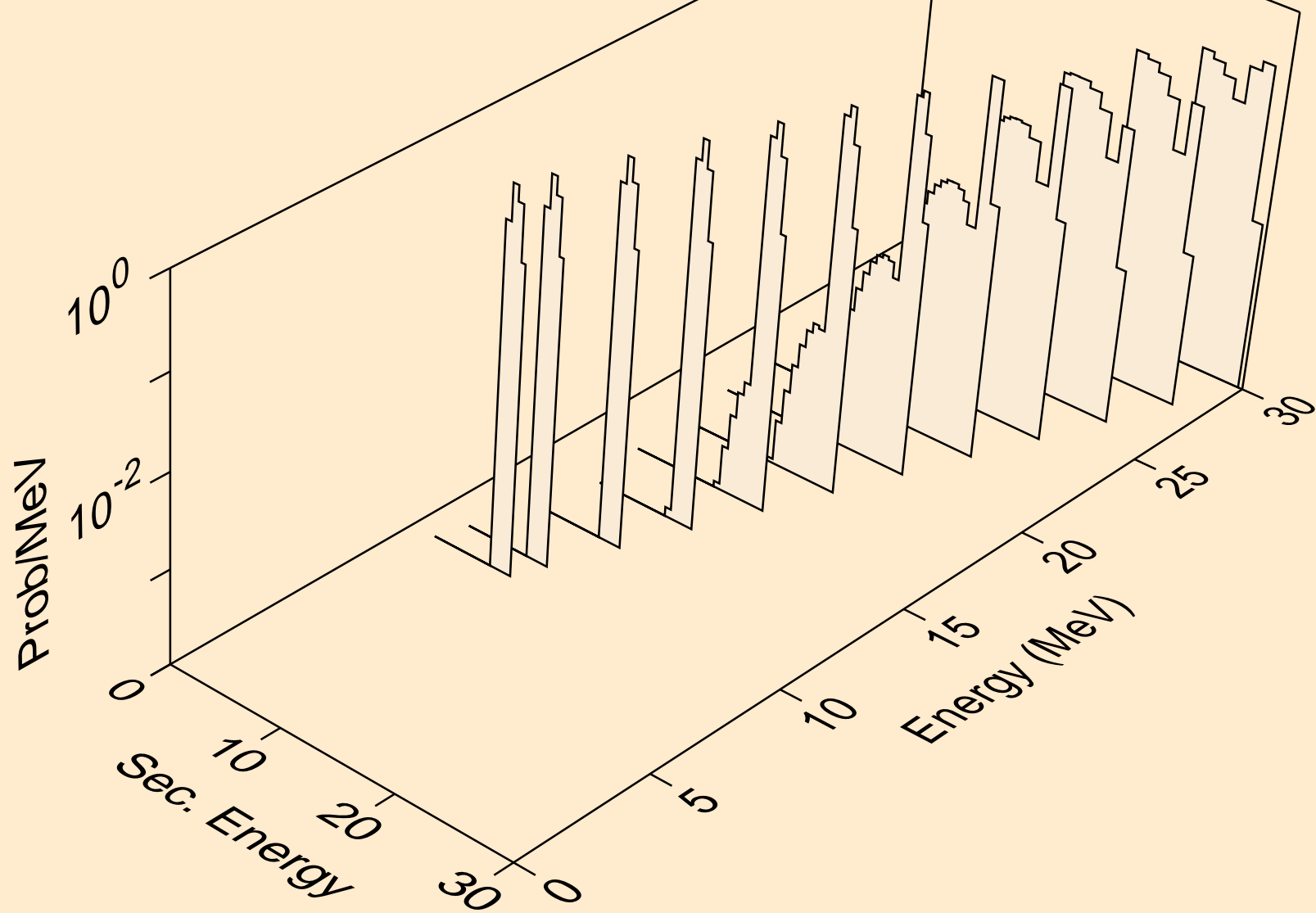
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2n)a



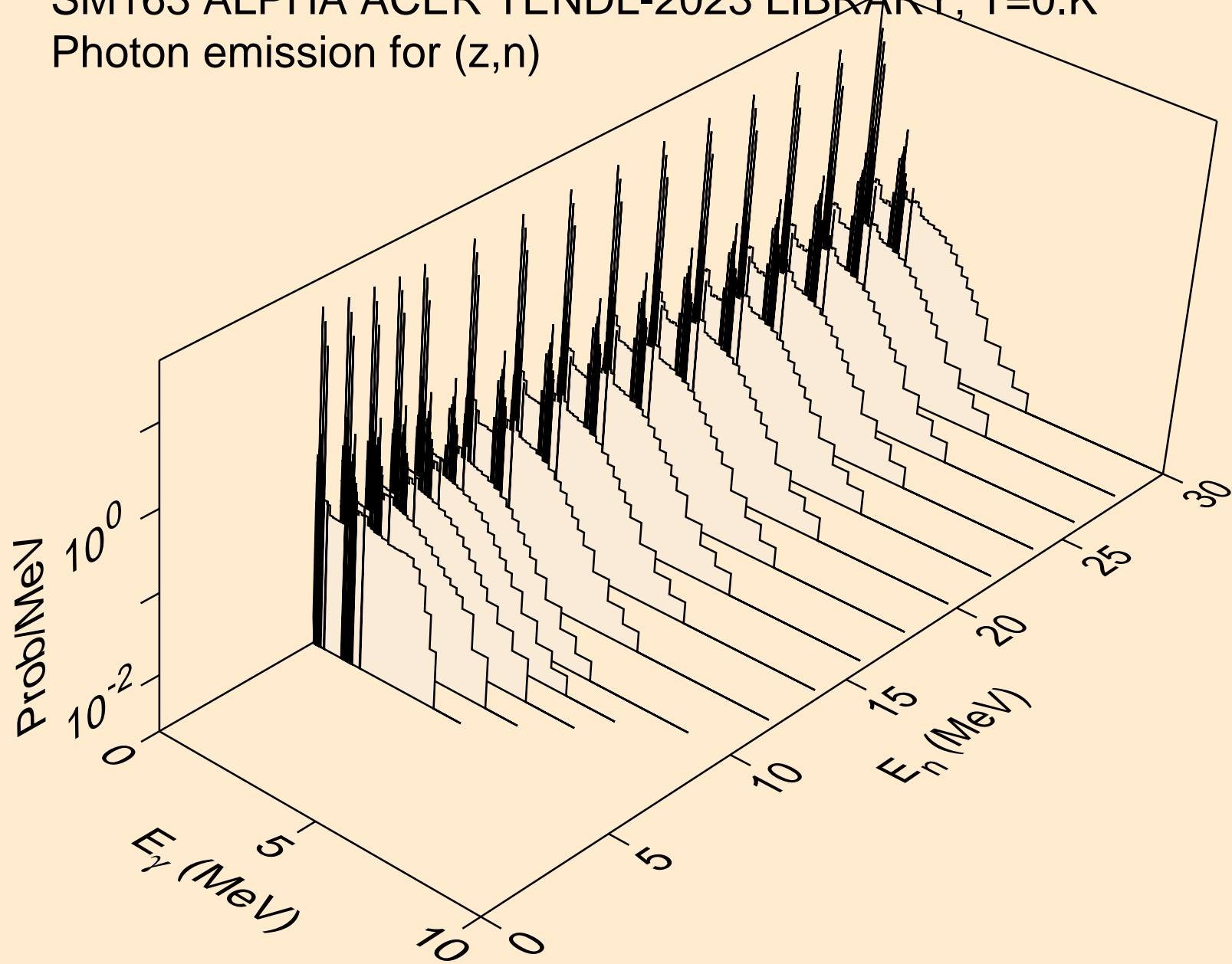
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,3n)a



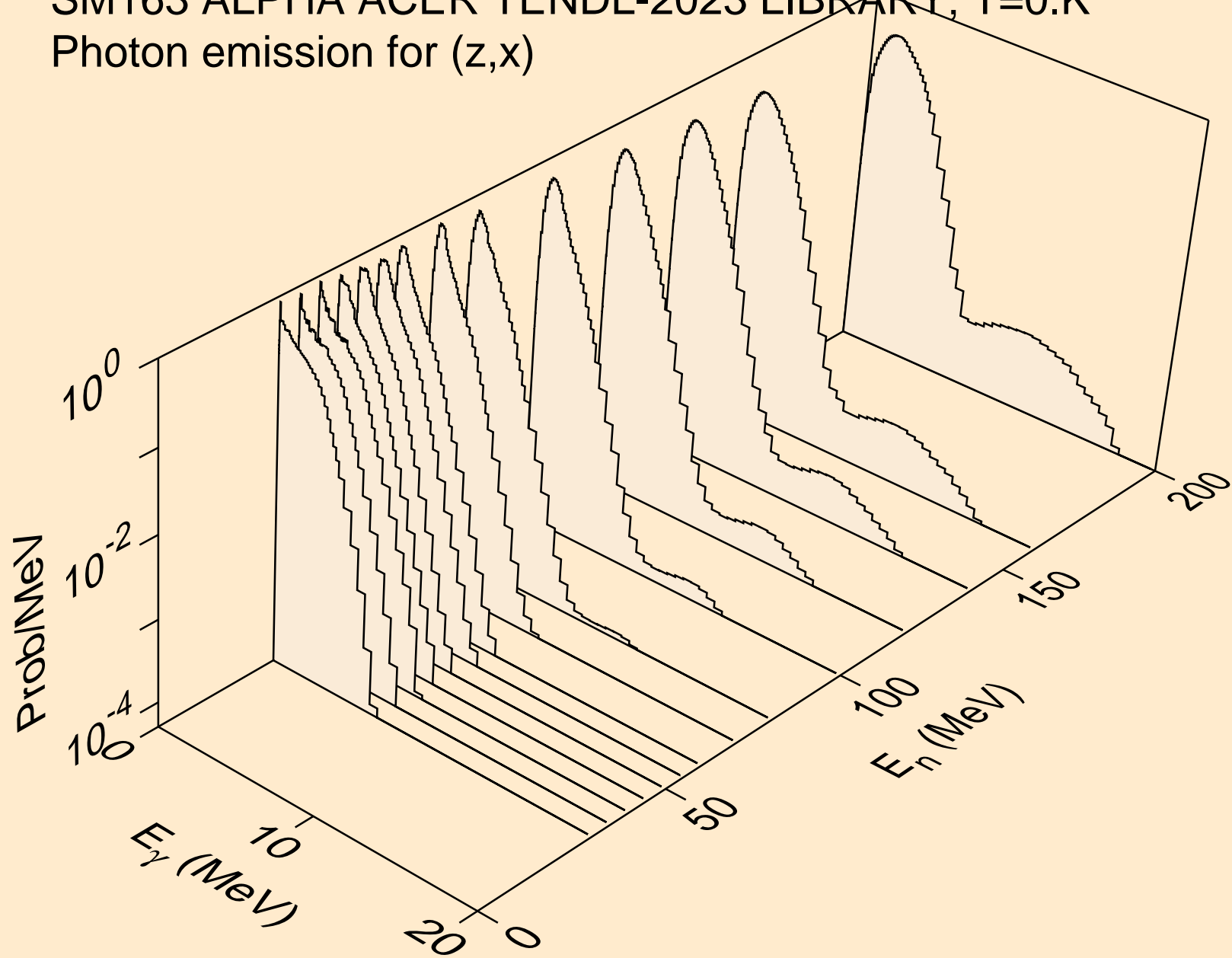
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for inelastic



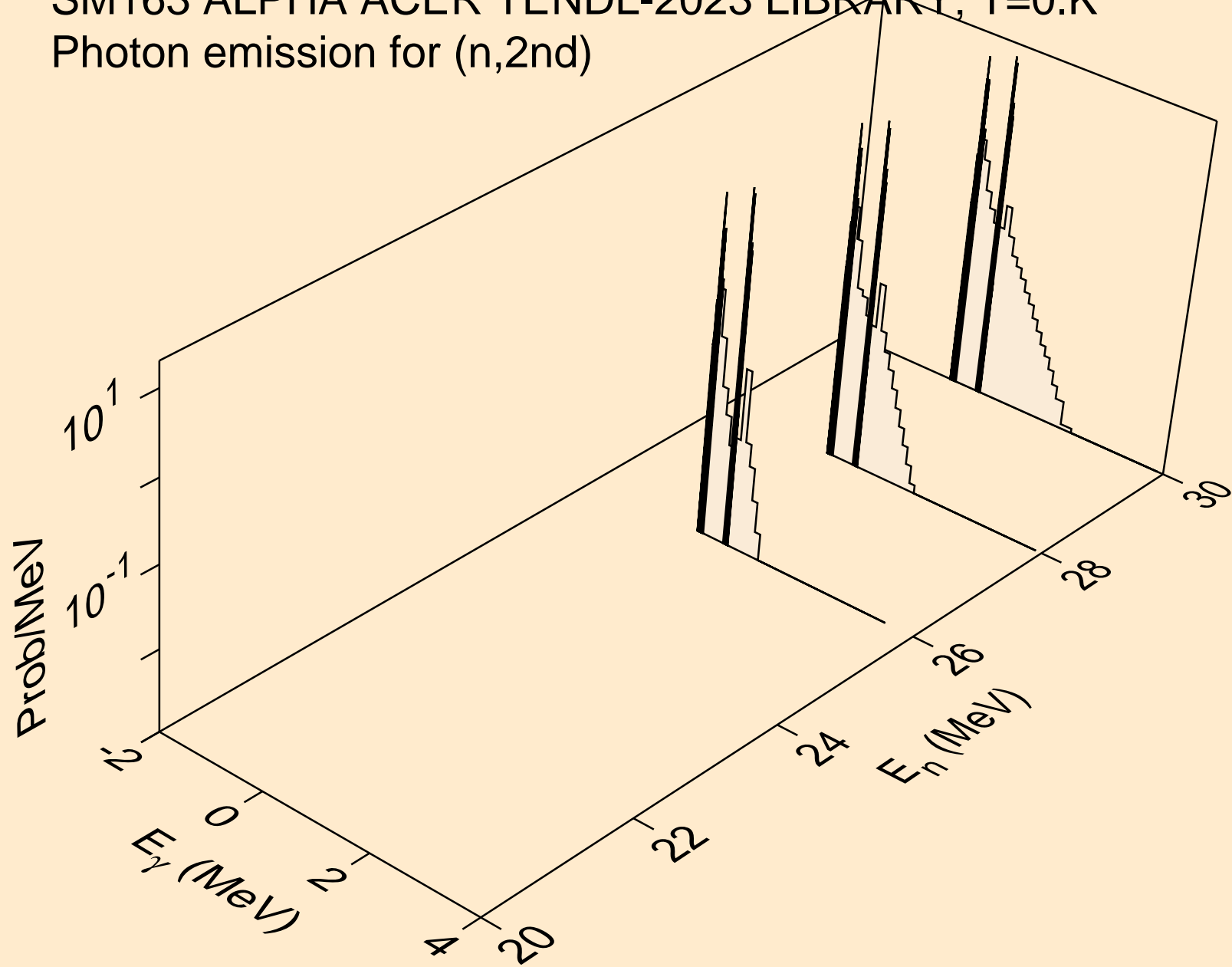
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



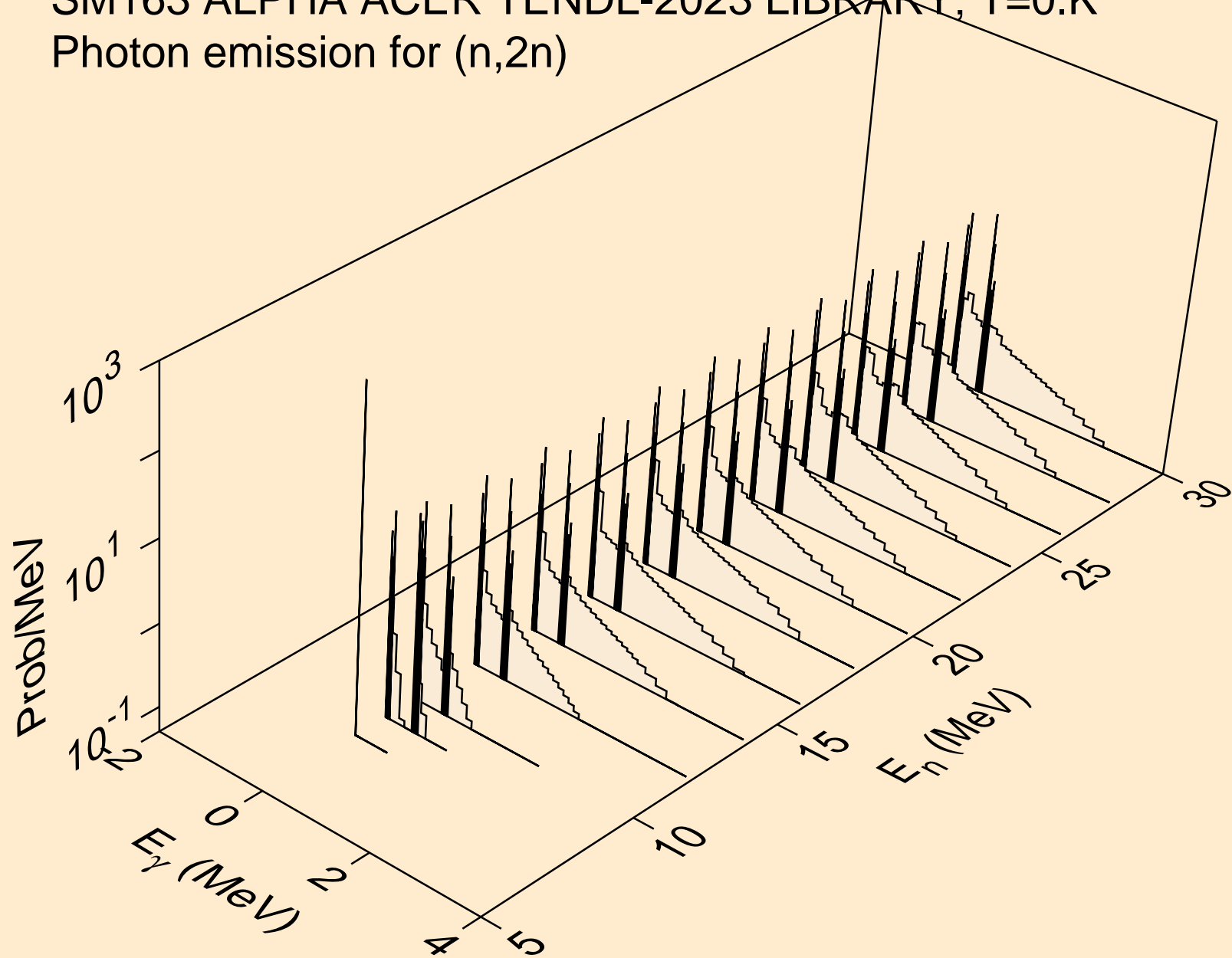
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)

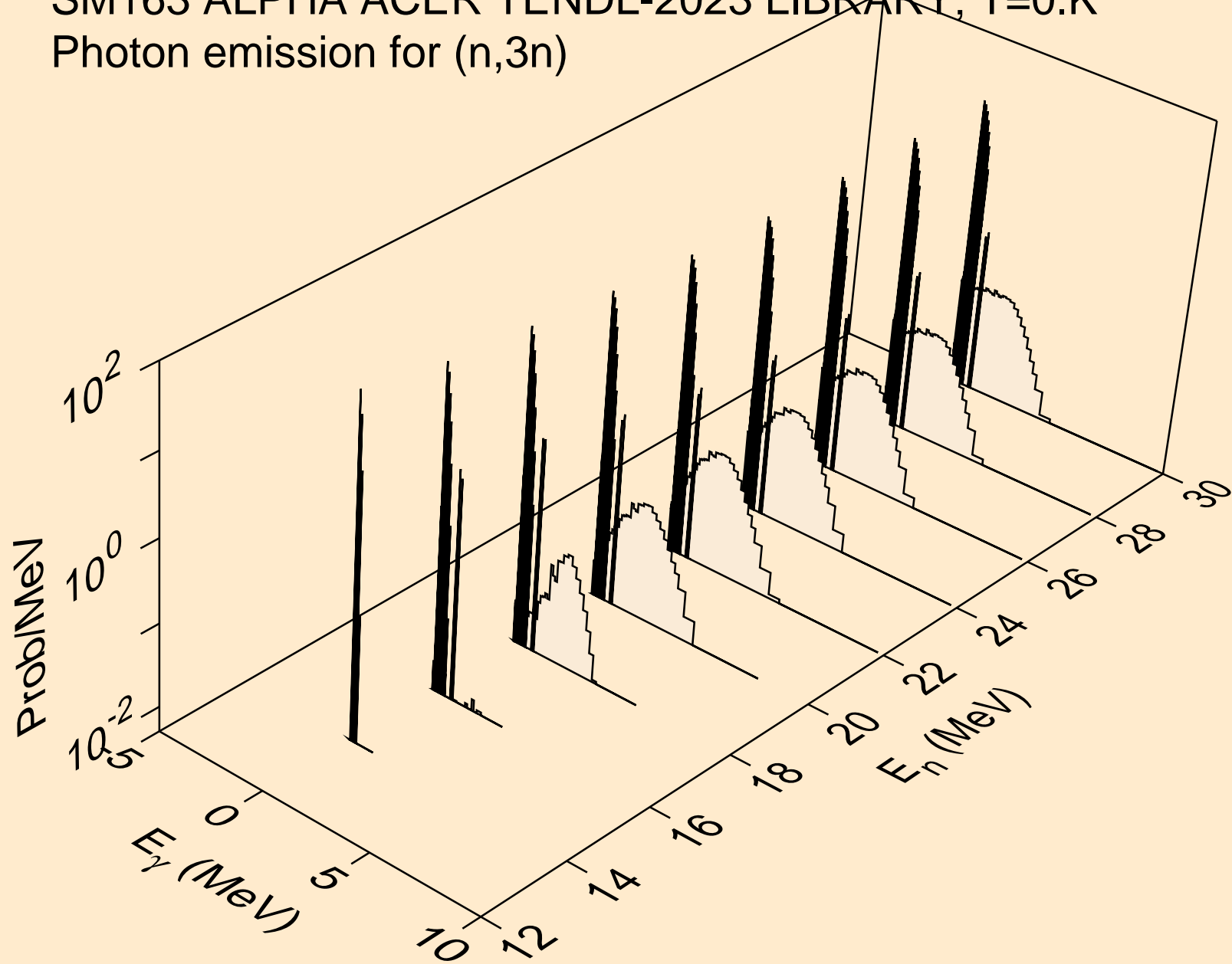


SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

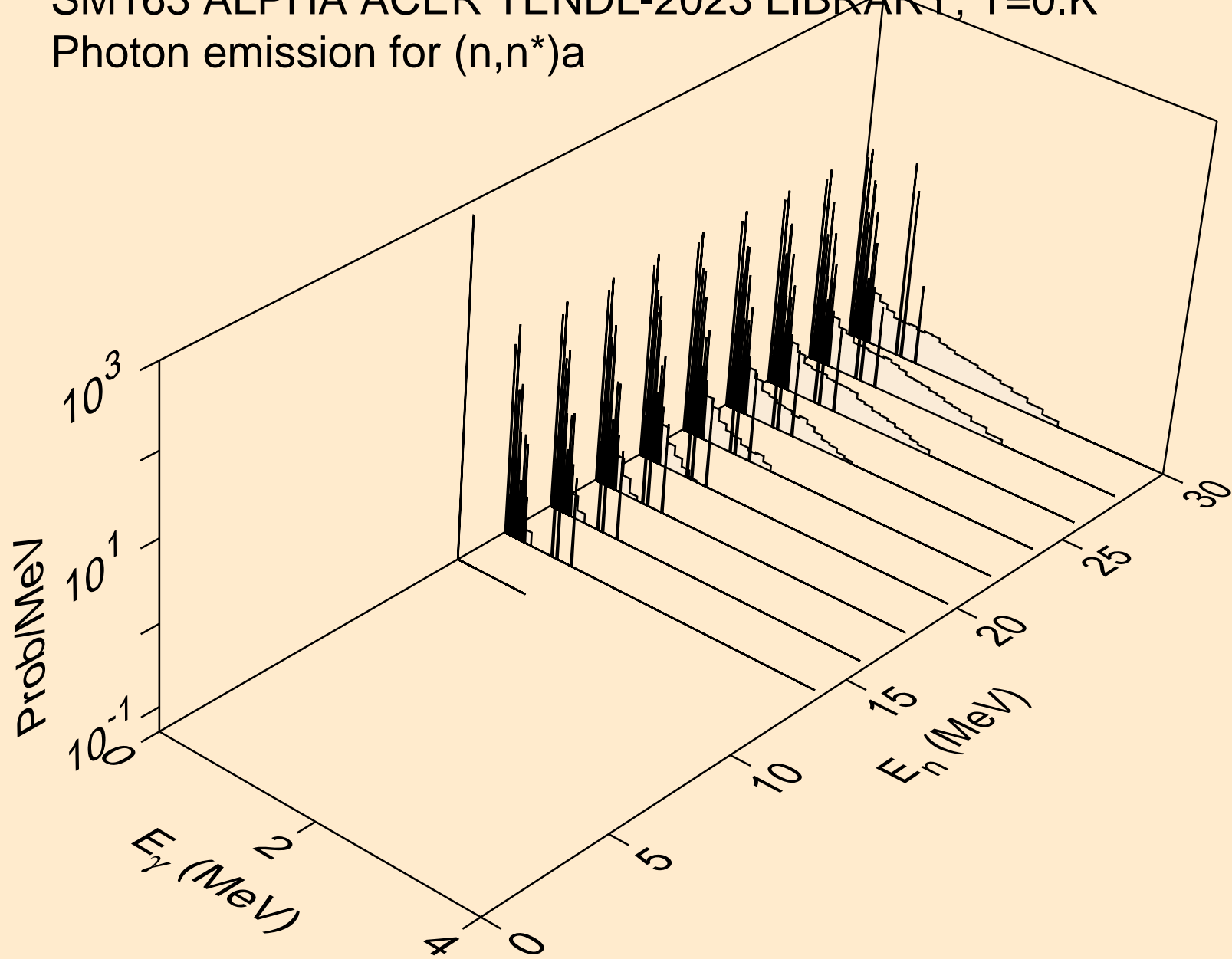




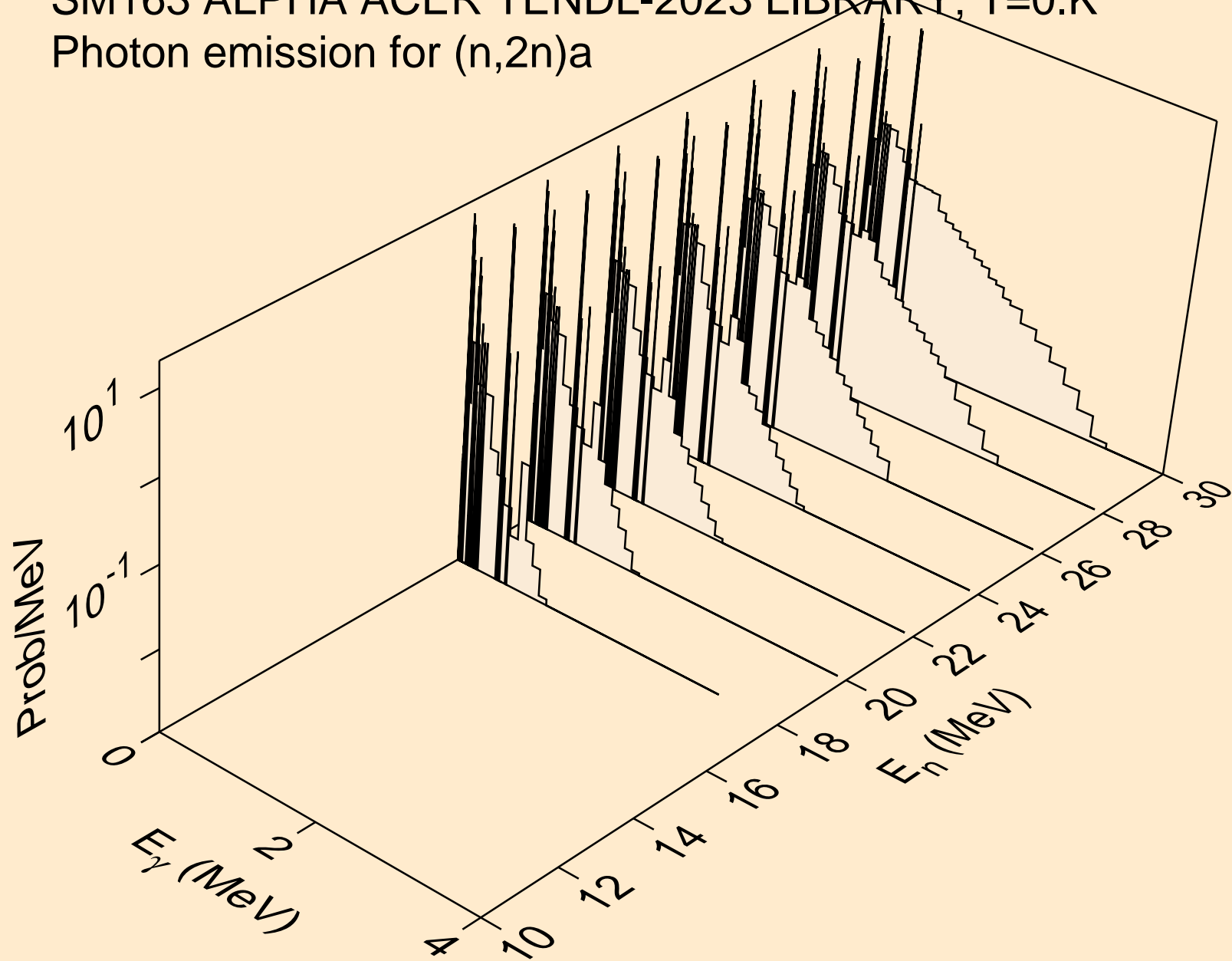
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



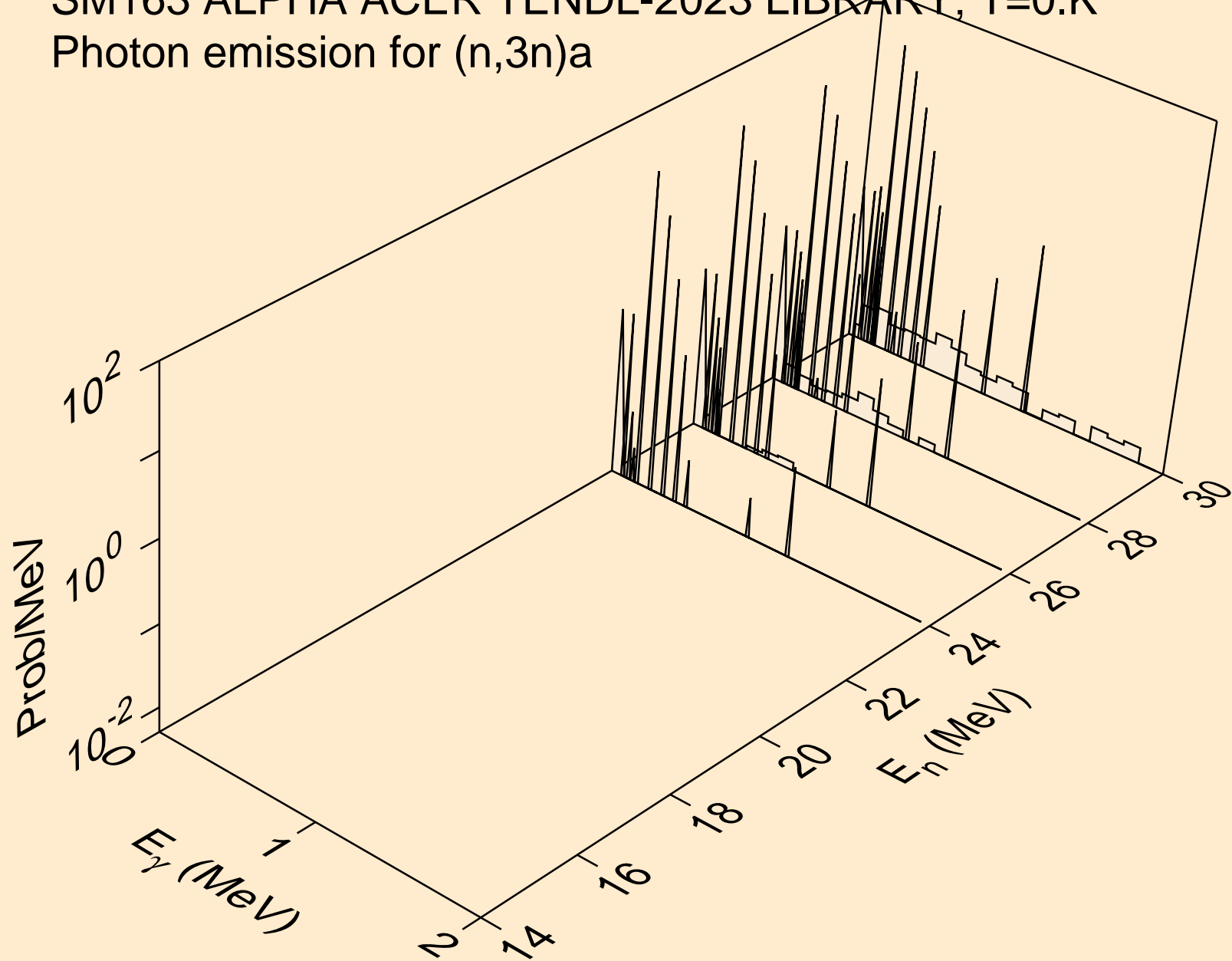
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



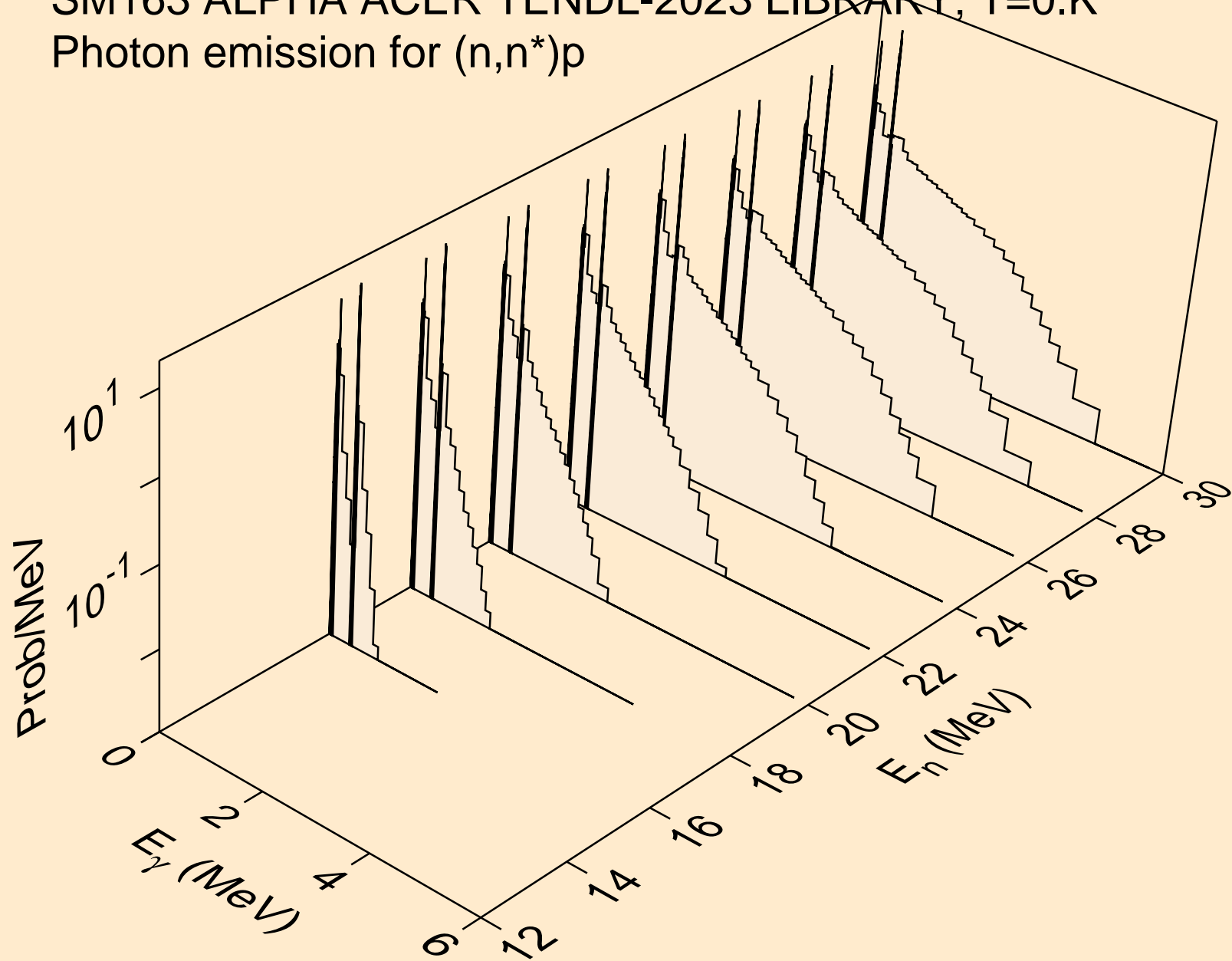
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



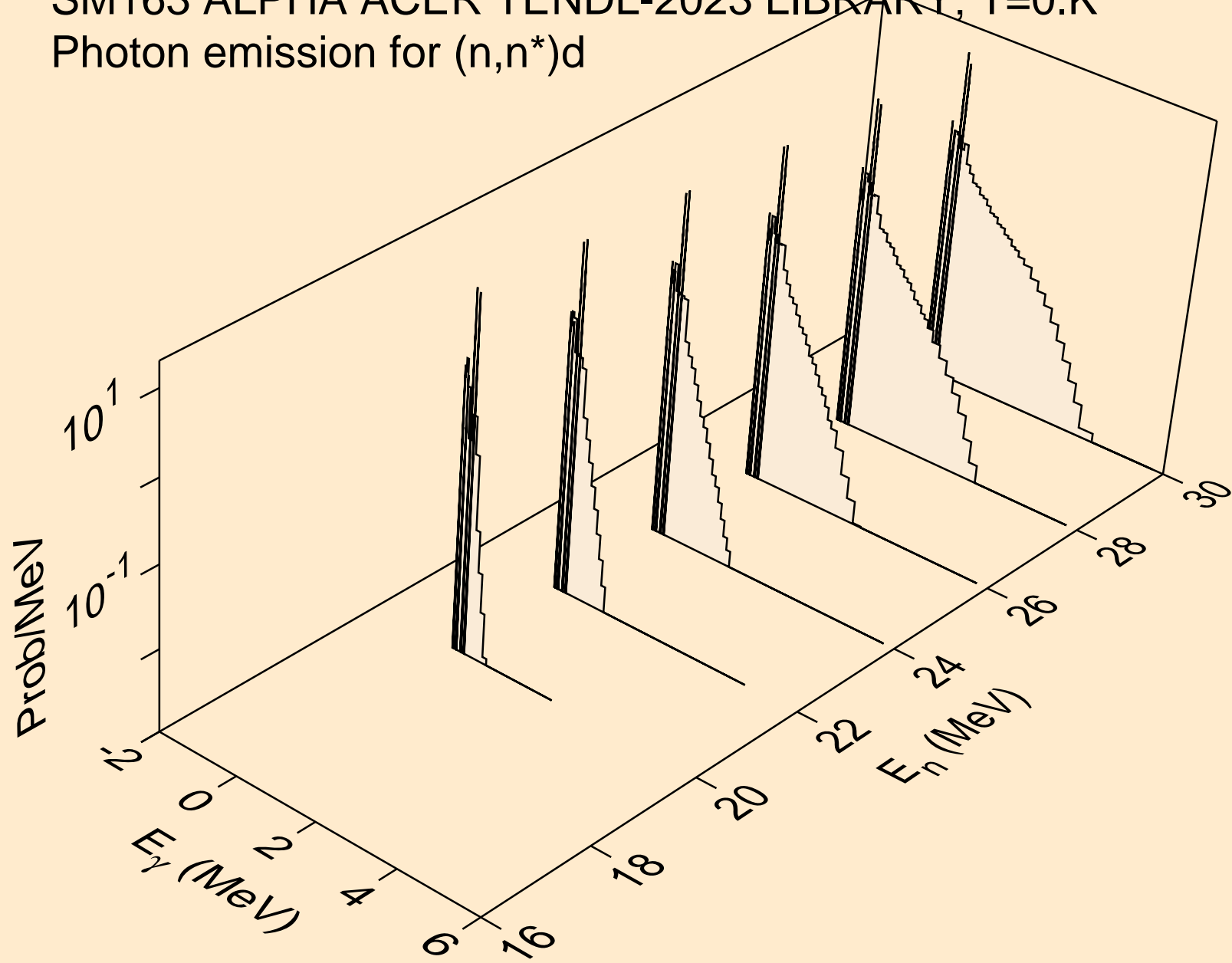
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



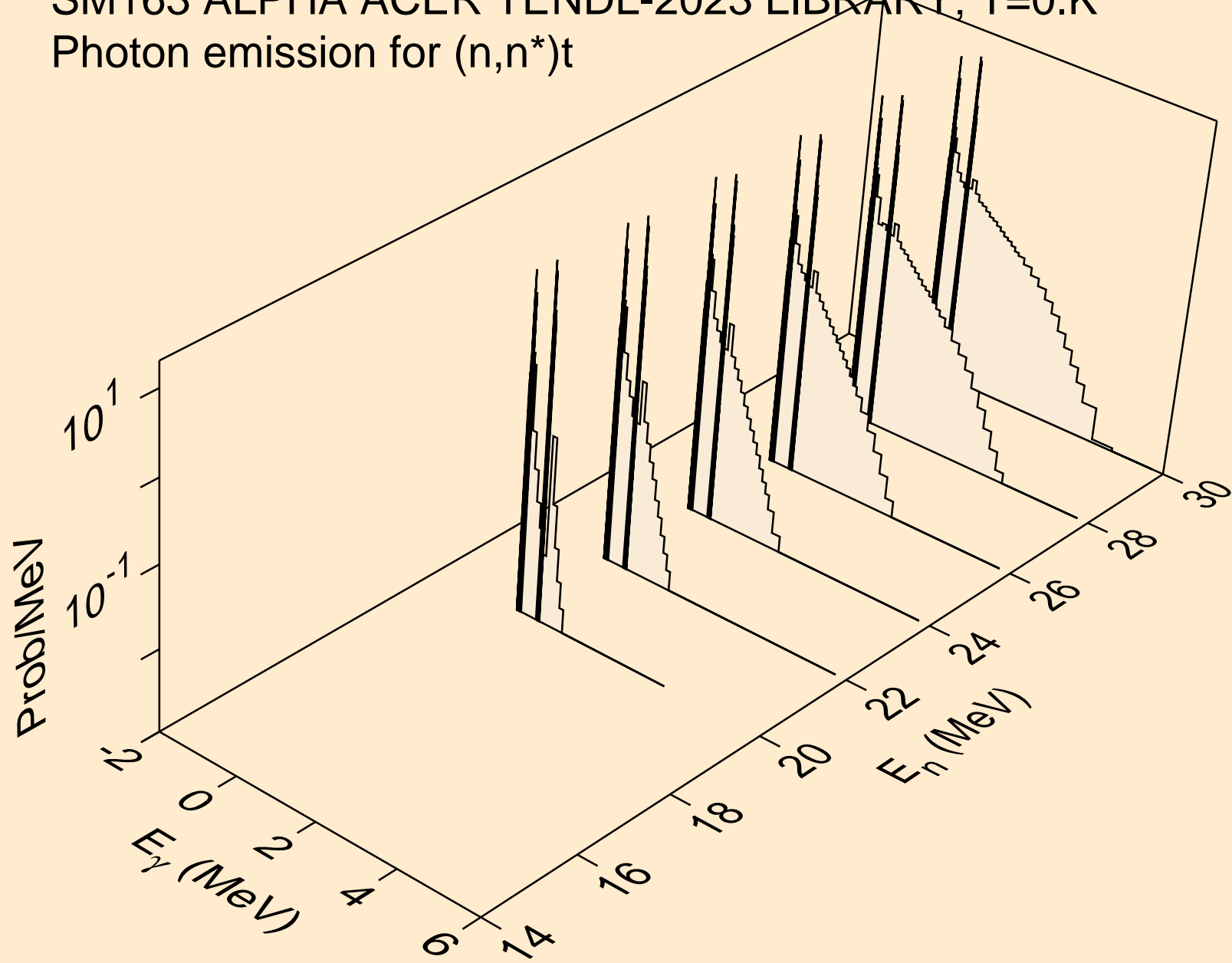
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



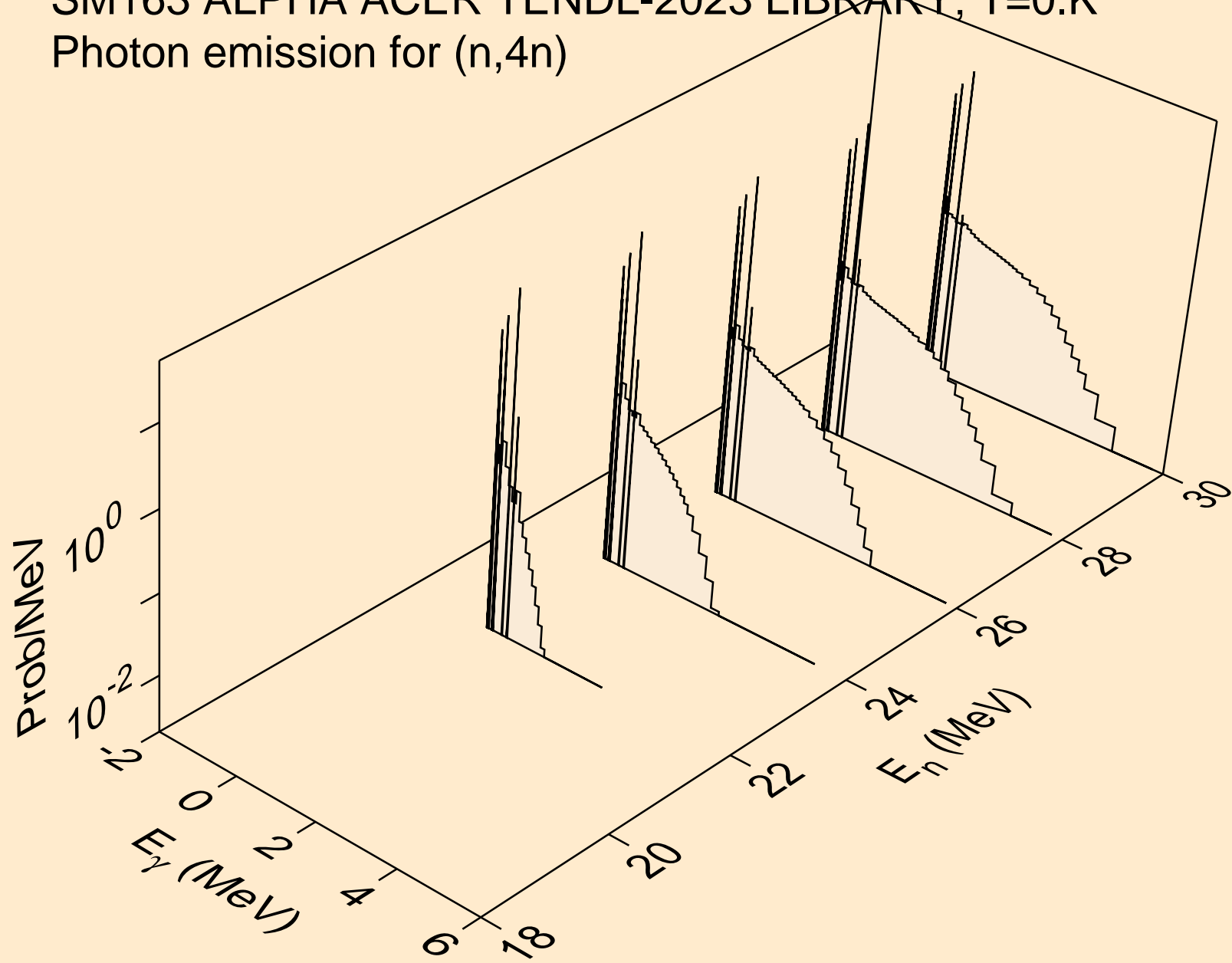
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

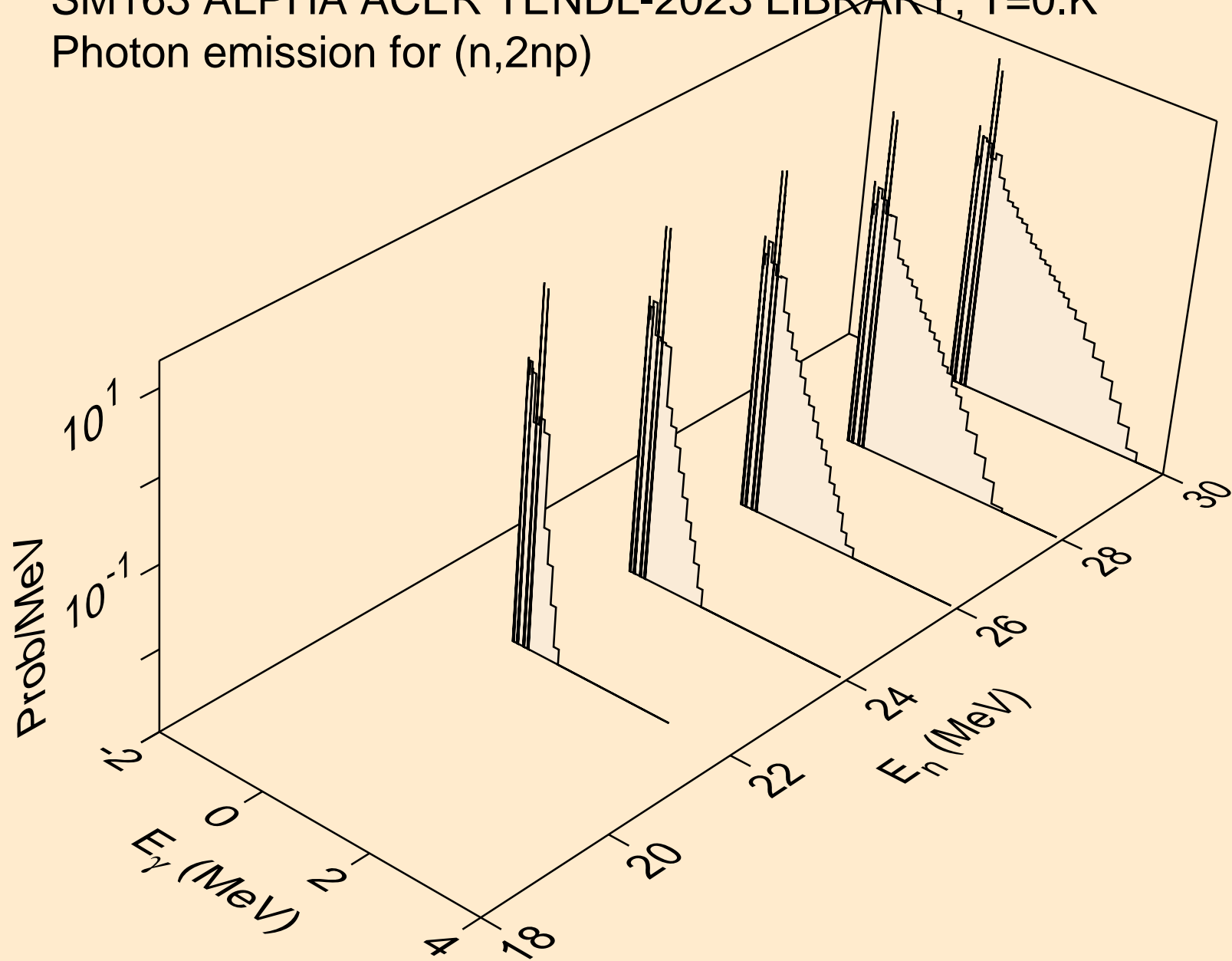


SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)

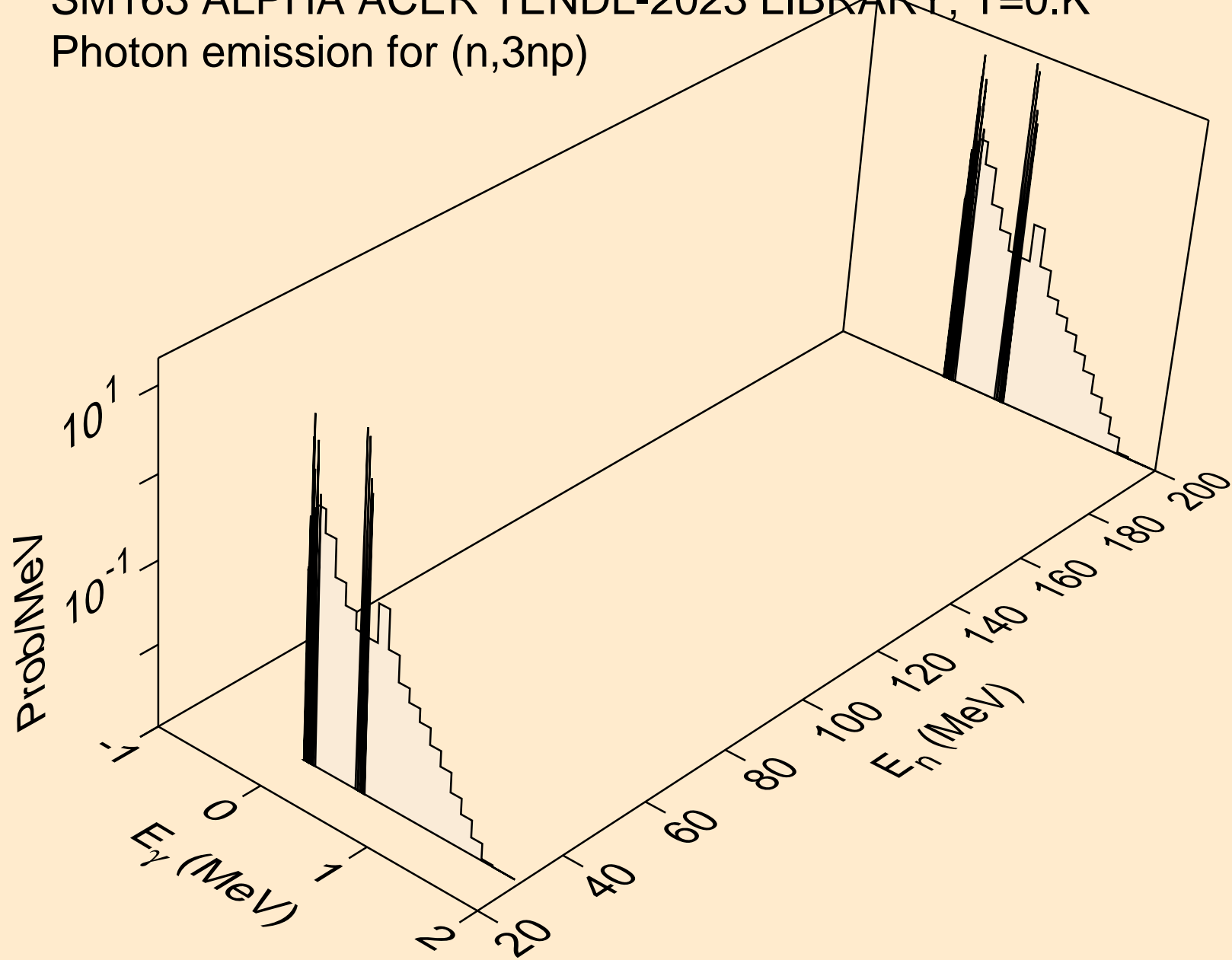




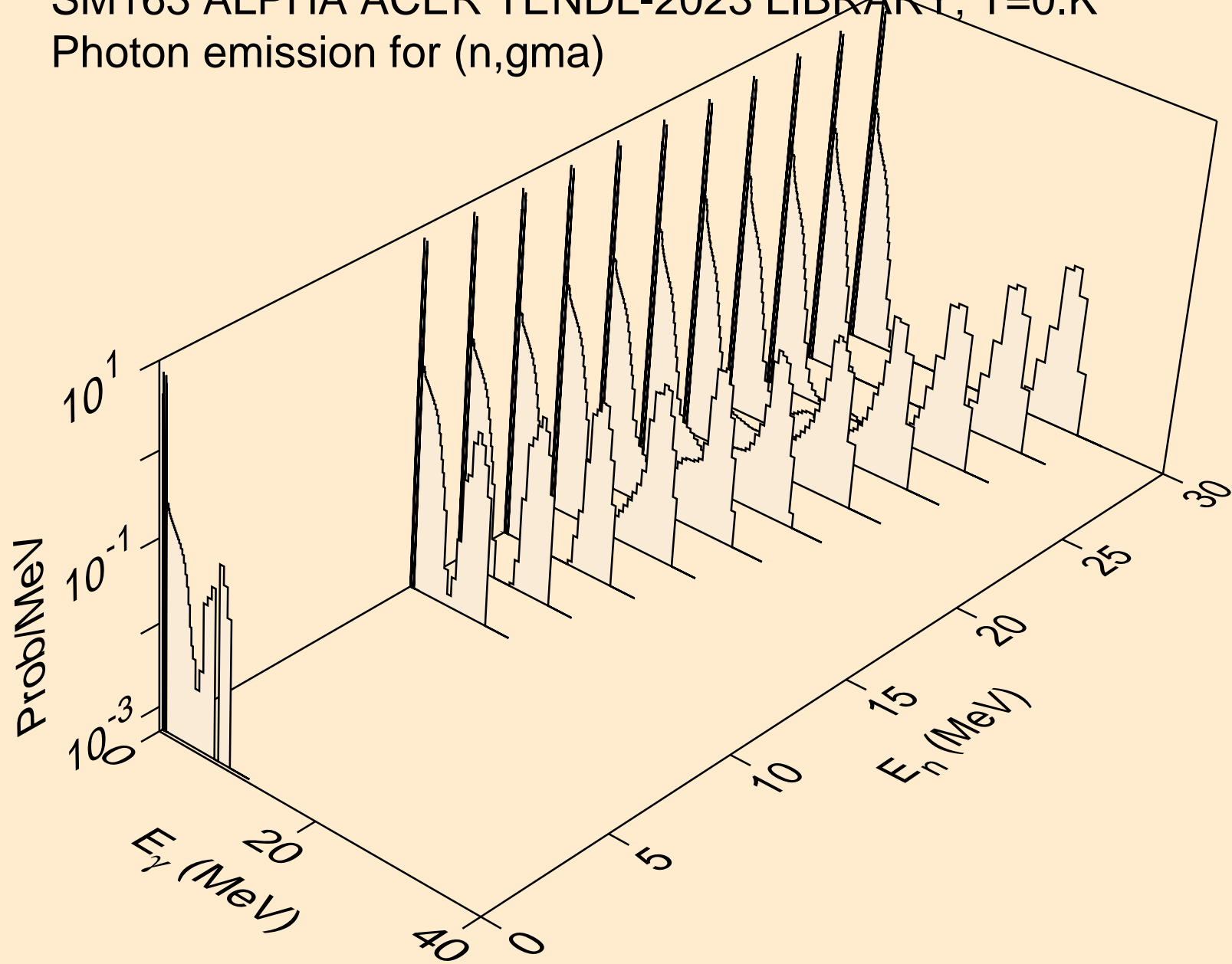
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



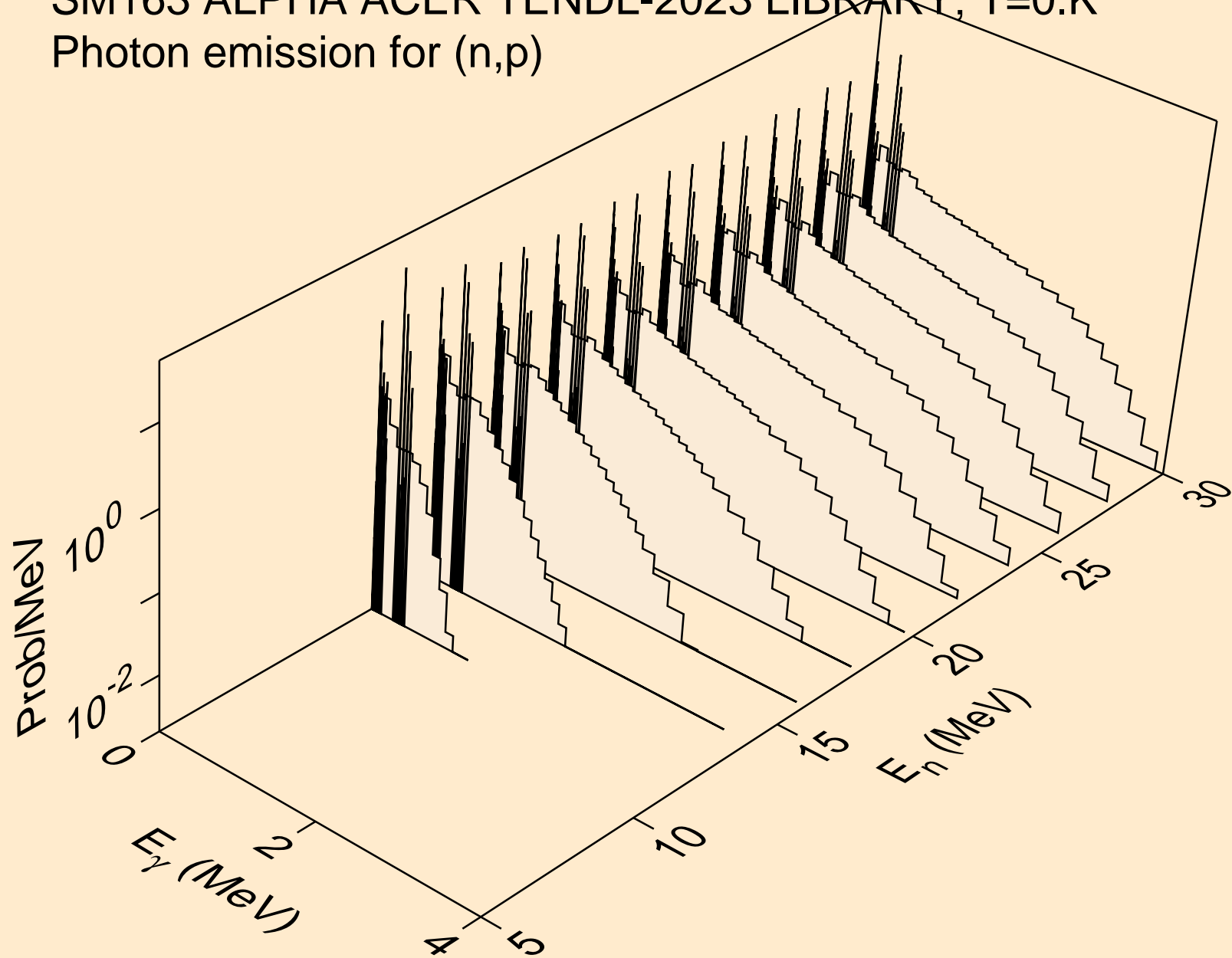
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



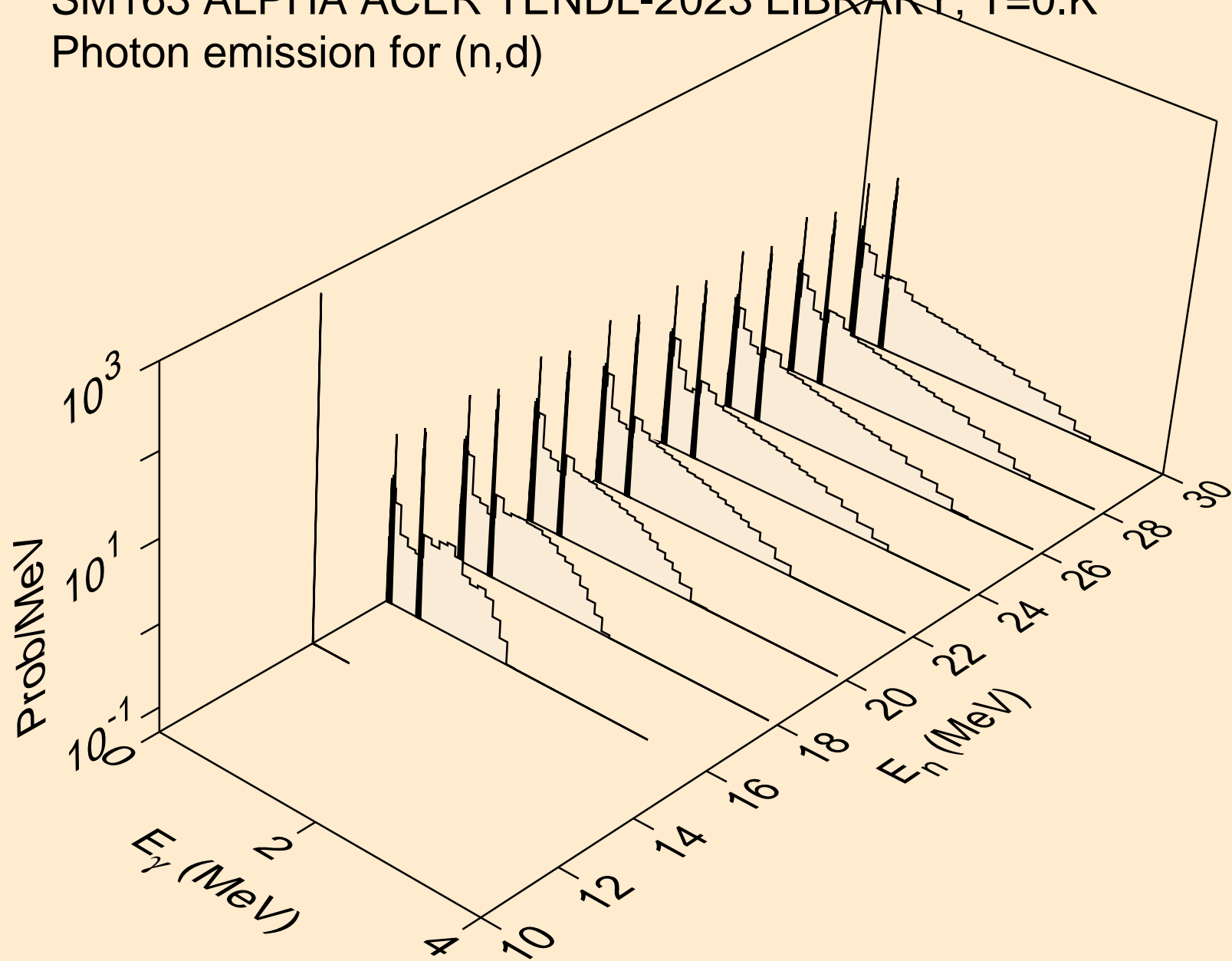
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



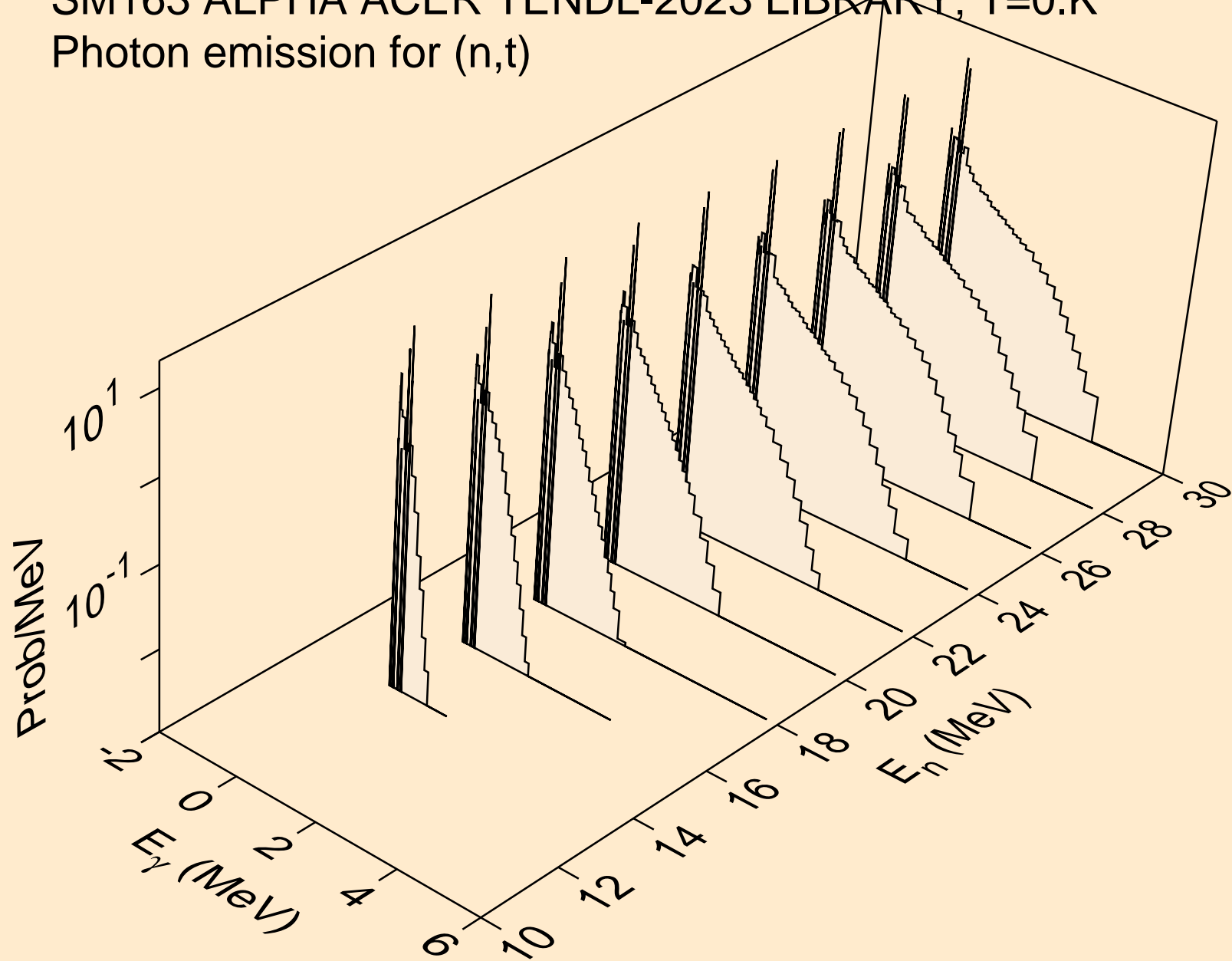
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



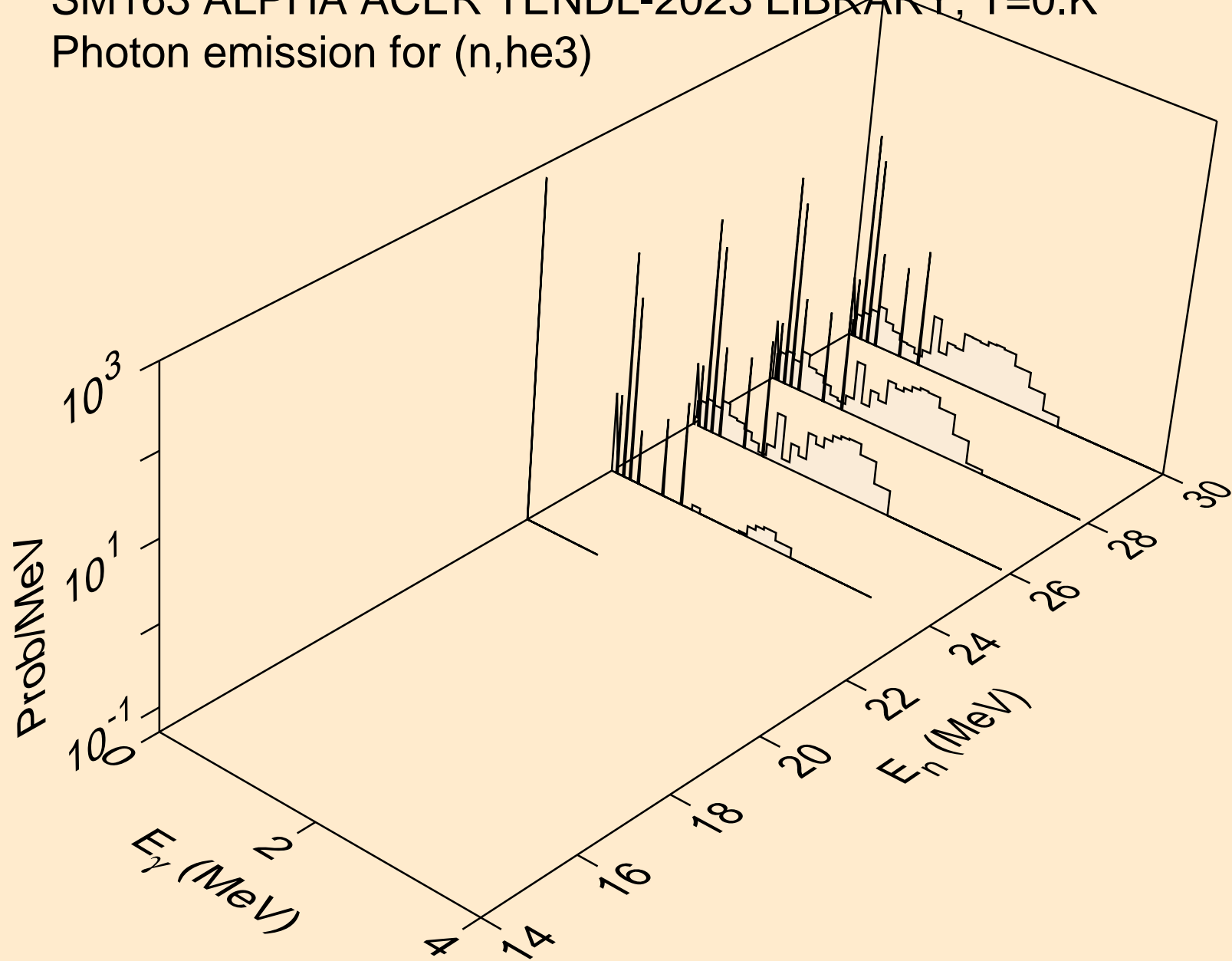
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



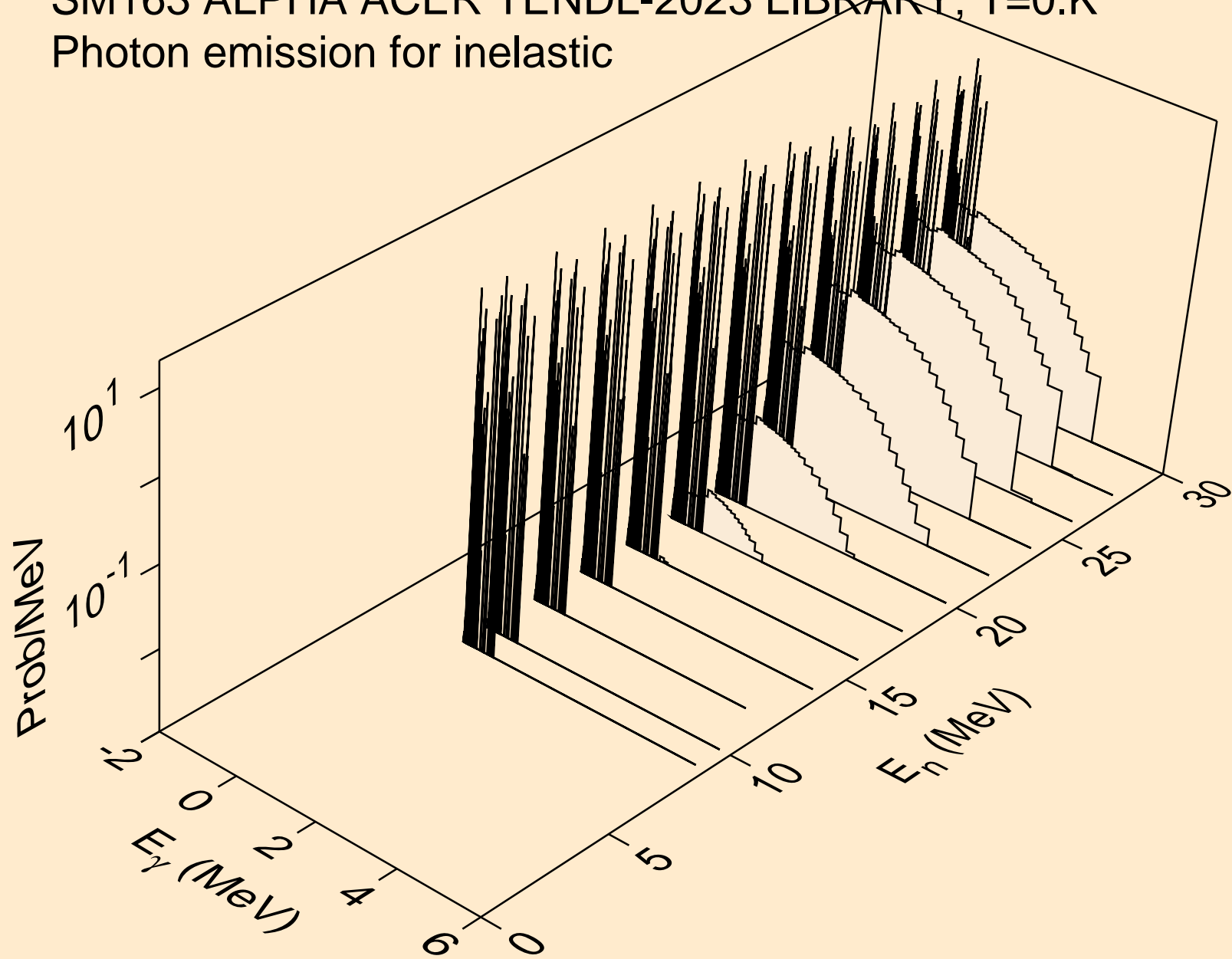
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)

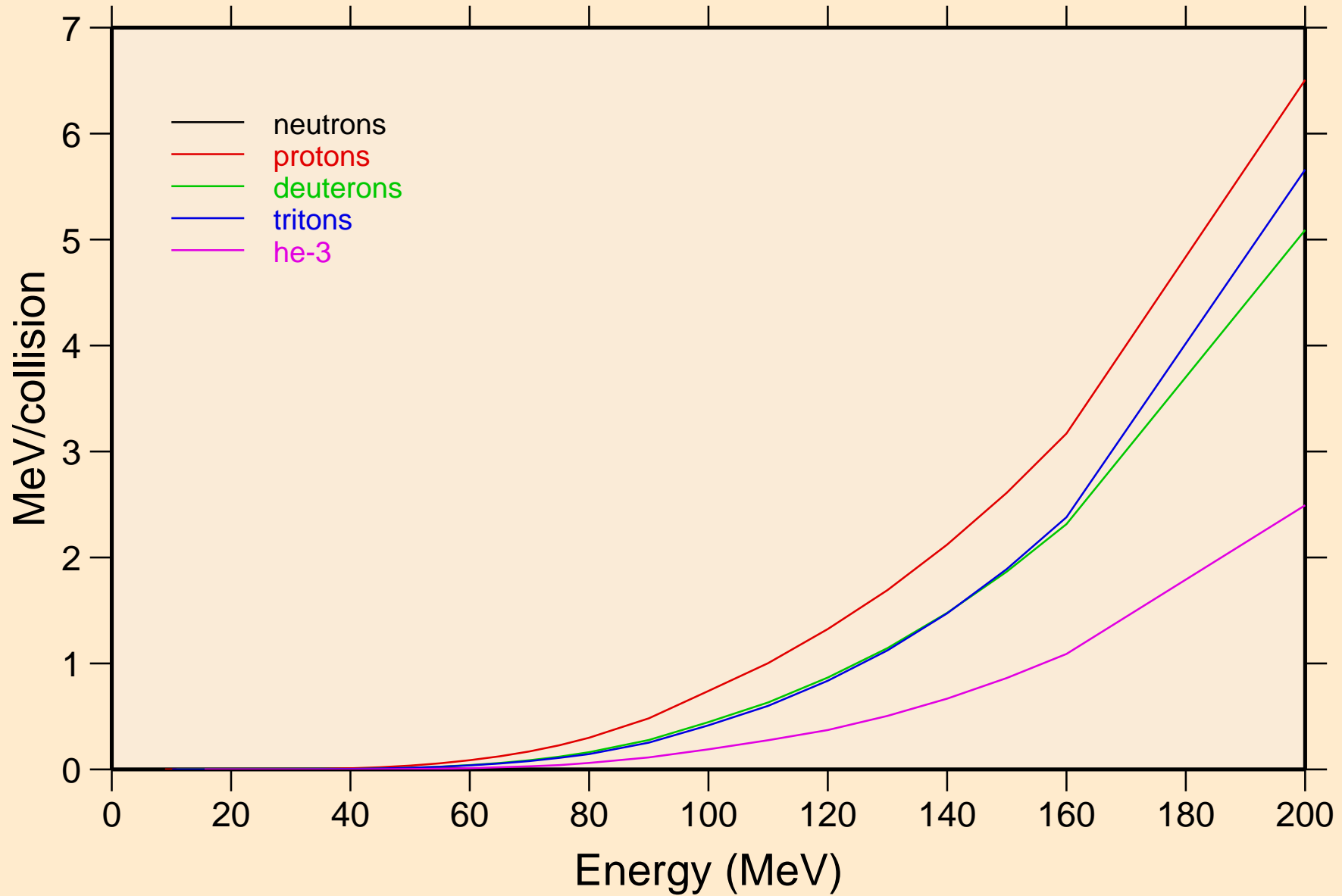


SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



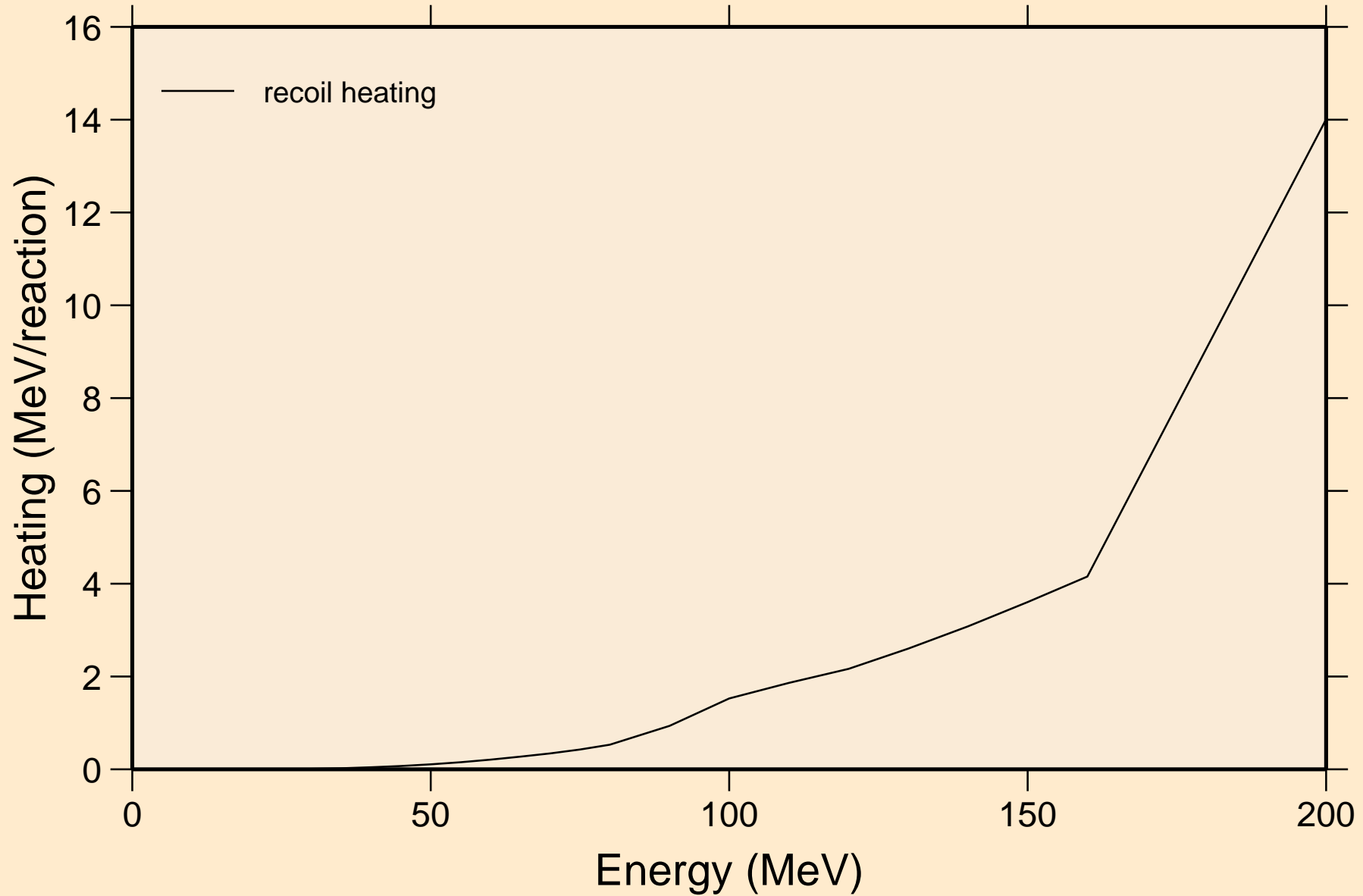


SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions



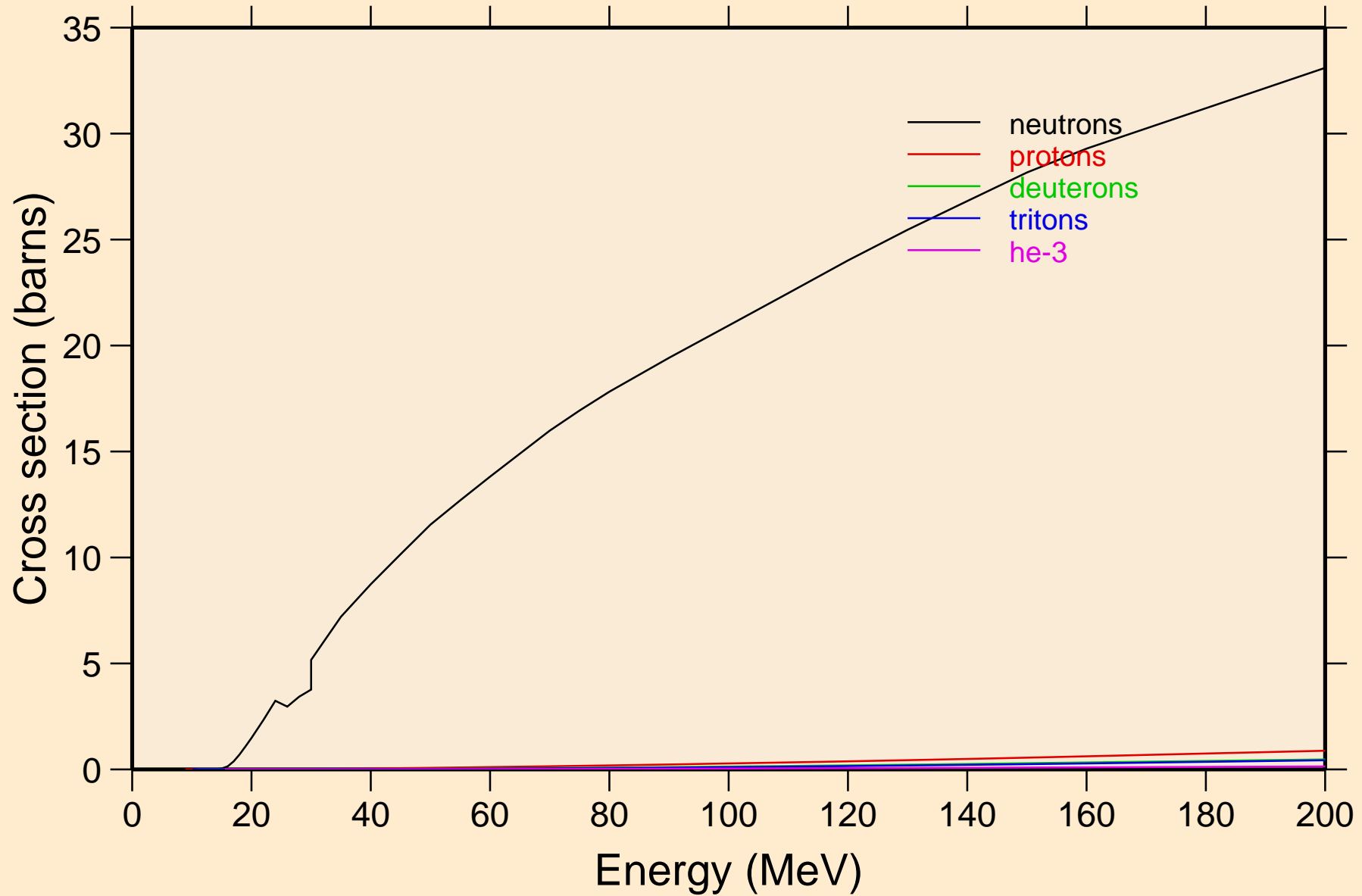
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Recoil Heating

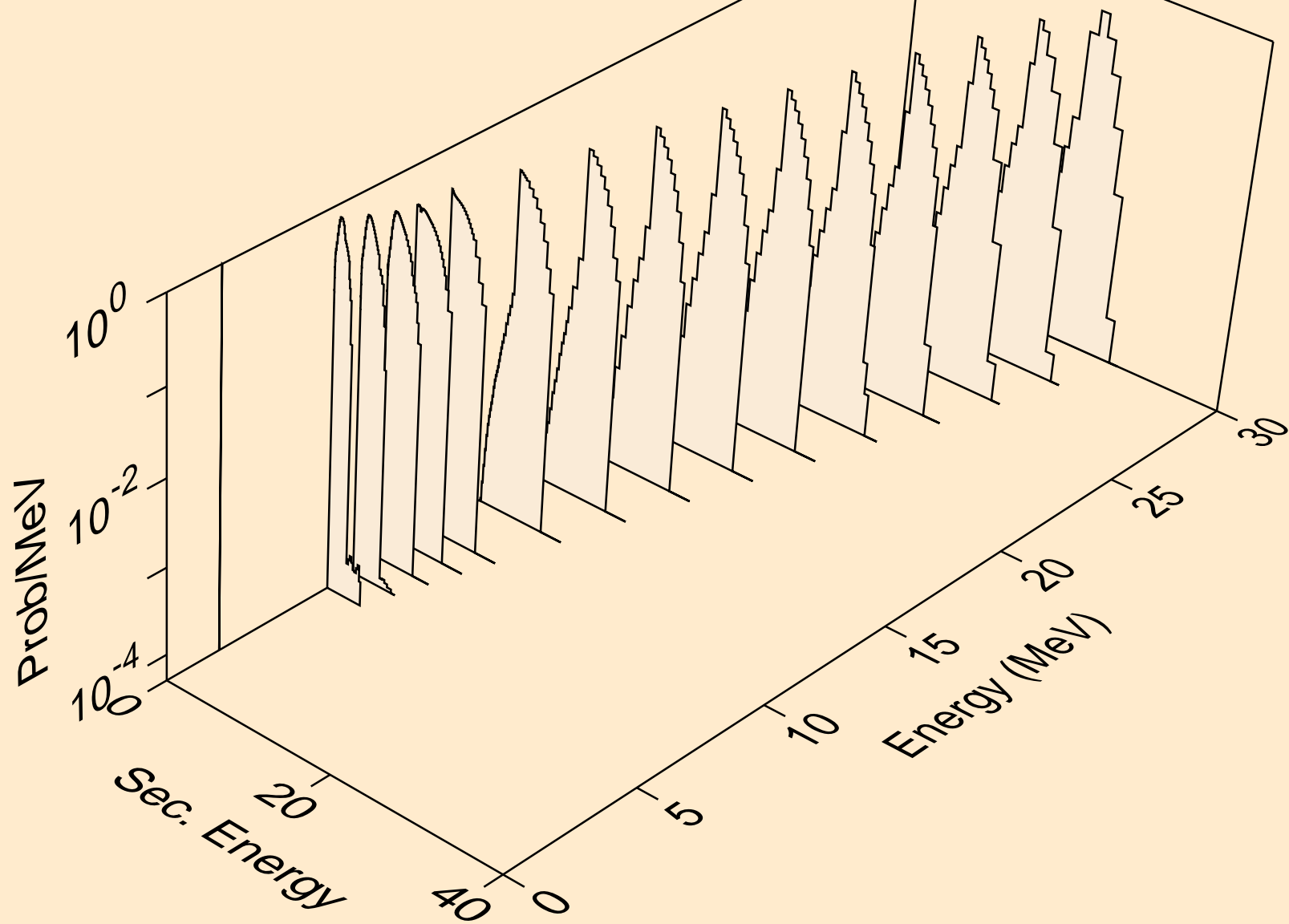


# SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

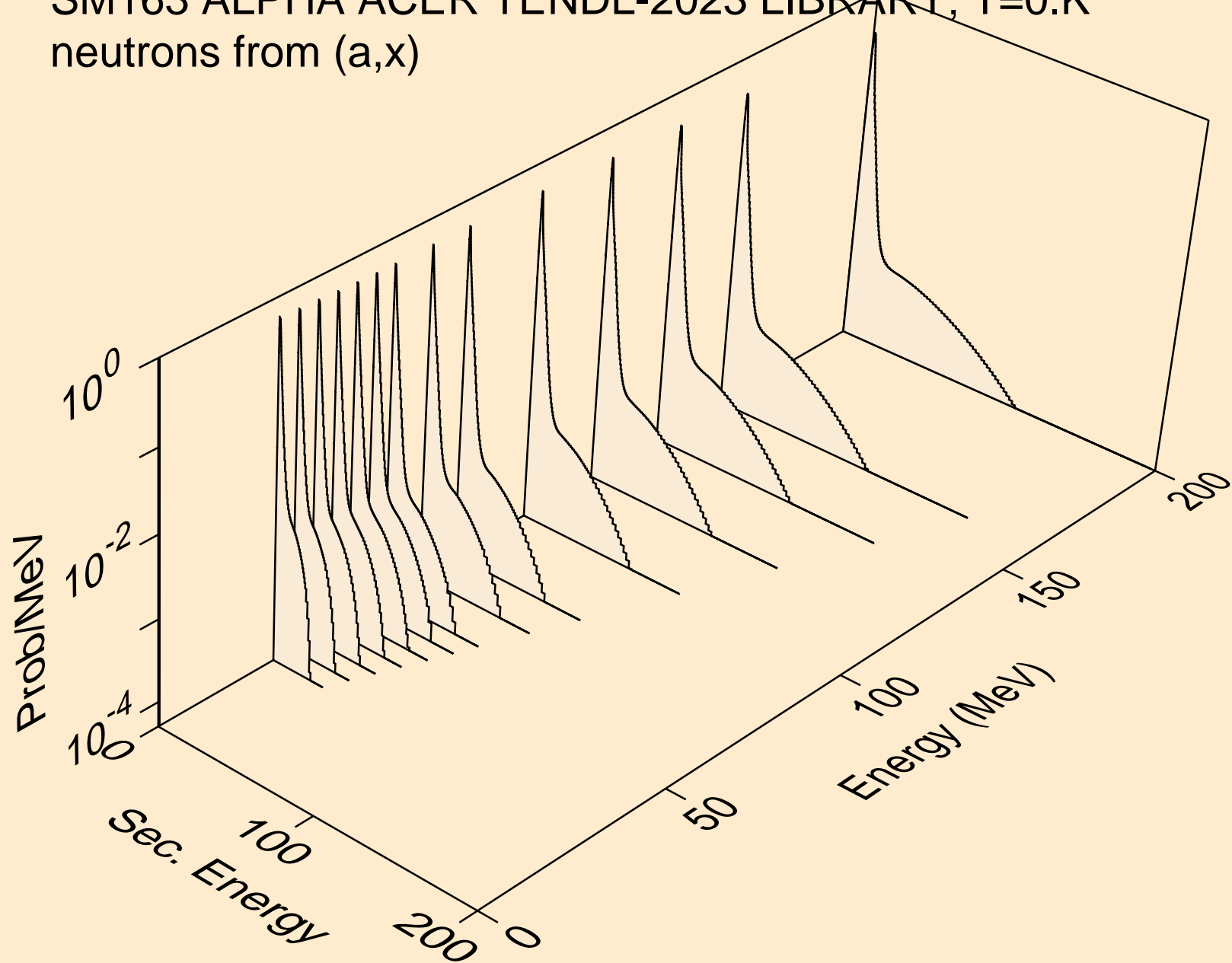
## Particle production cross sections



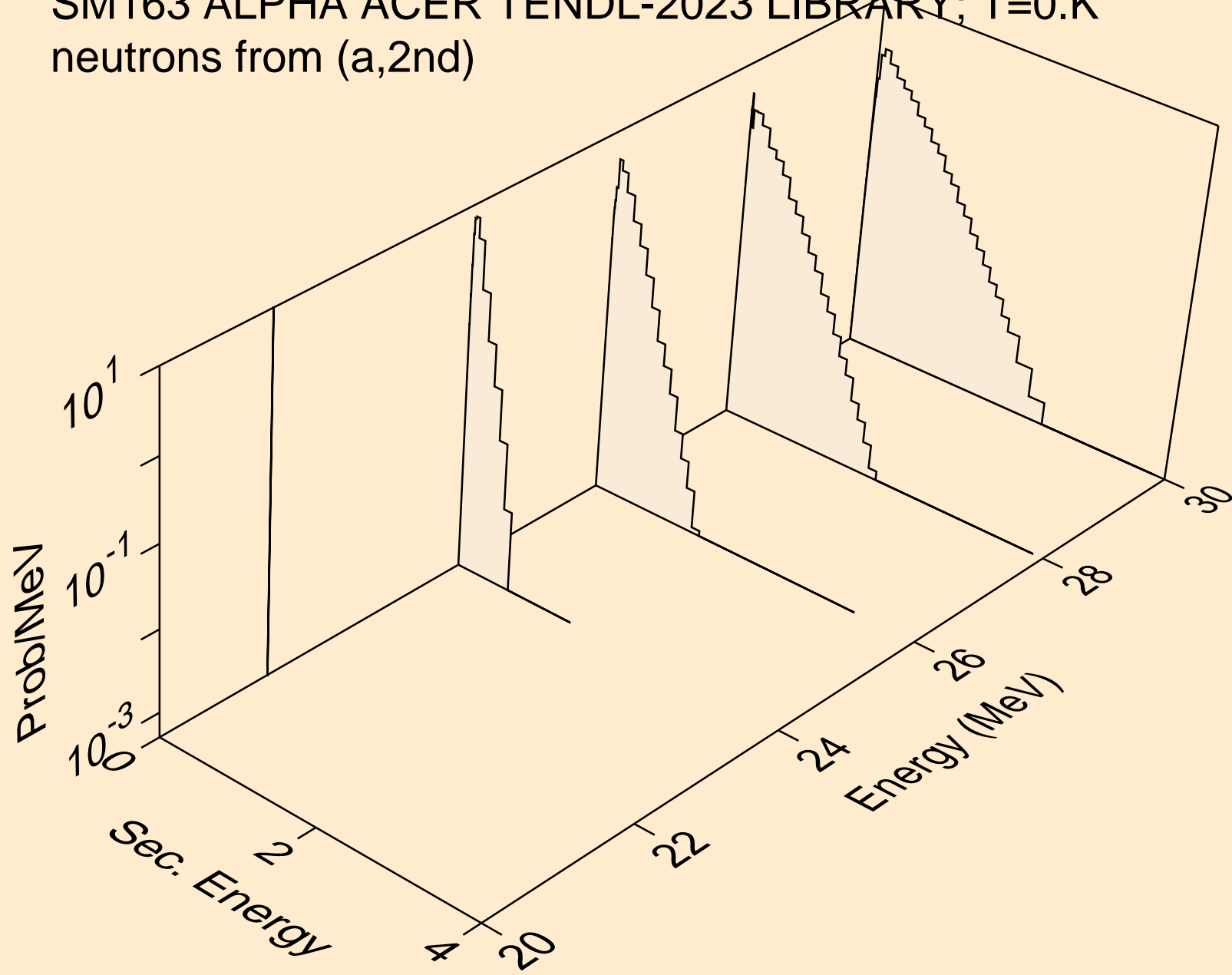
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n)



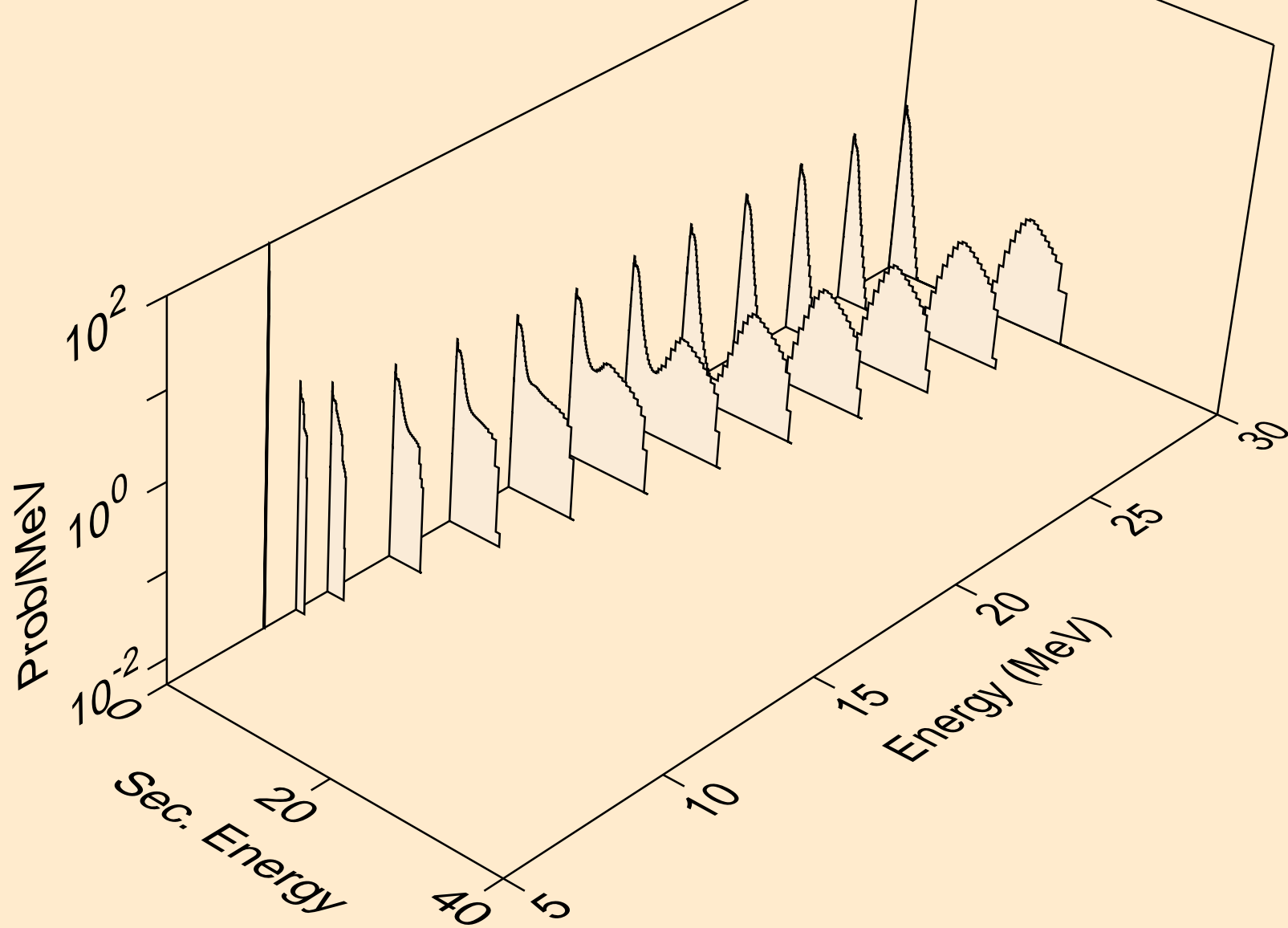
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,x)



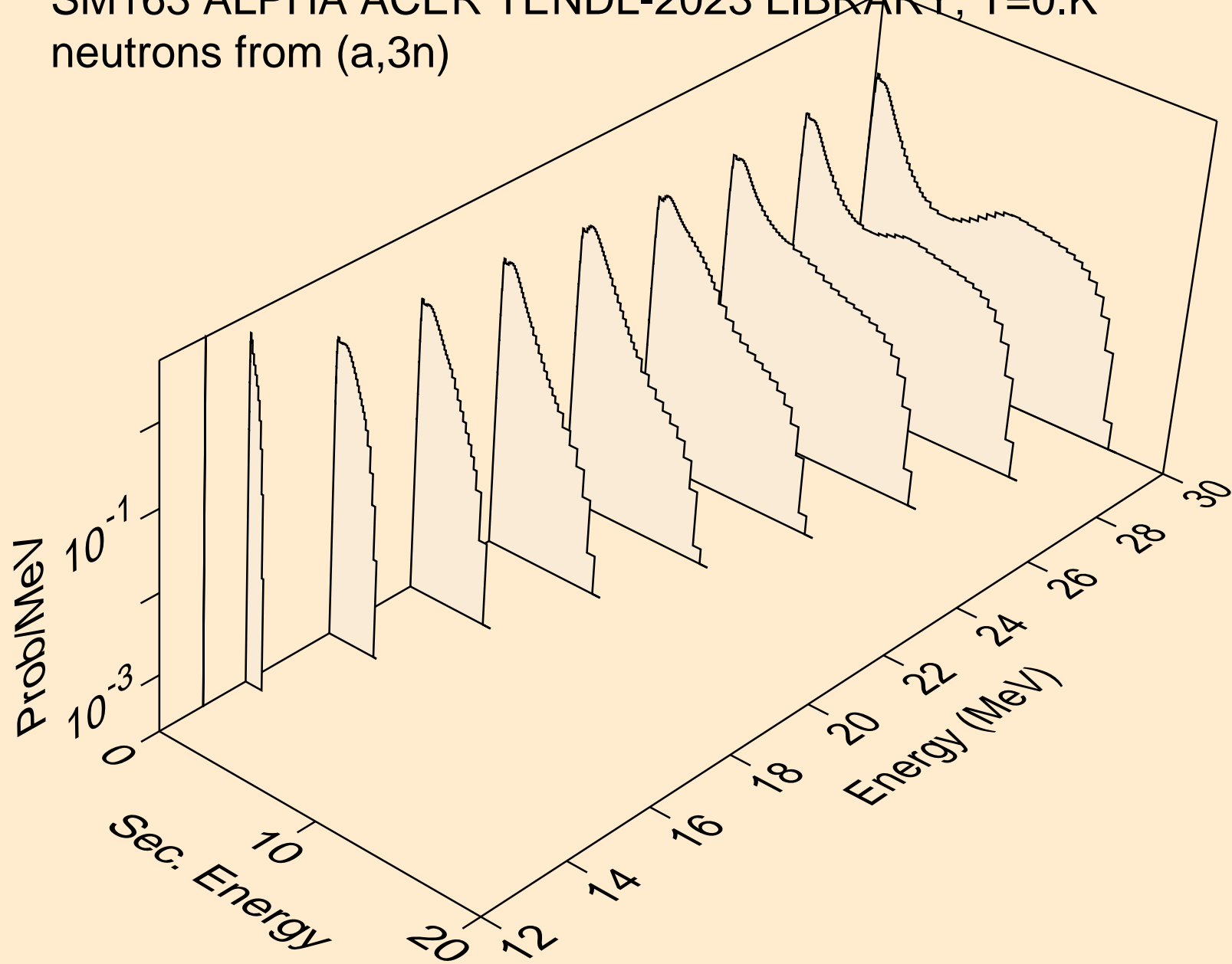
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2nd)



SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2n)

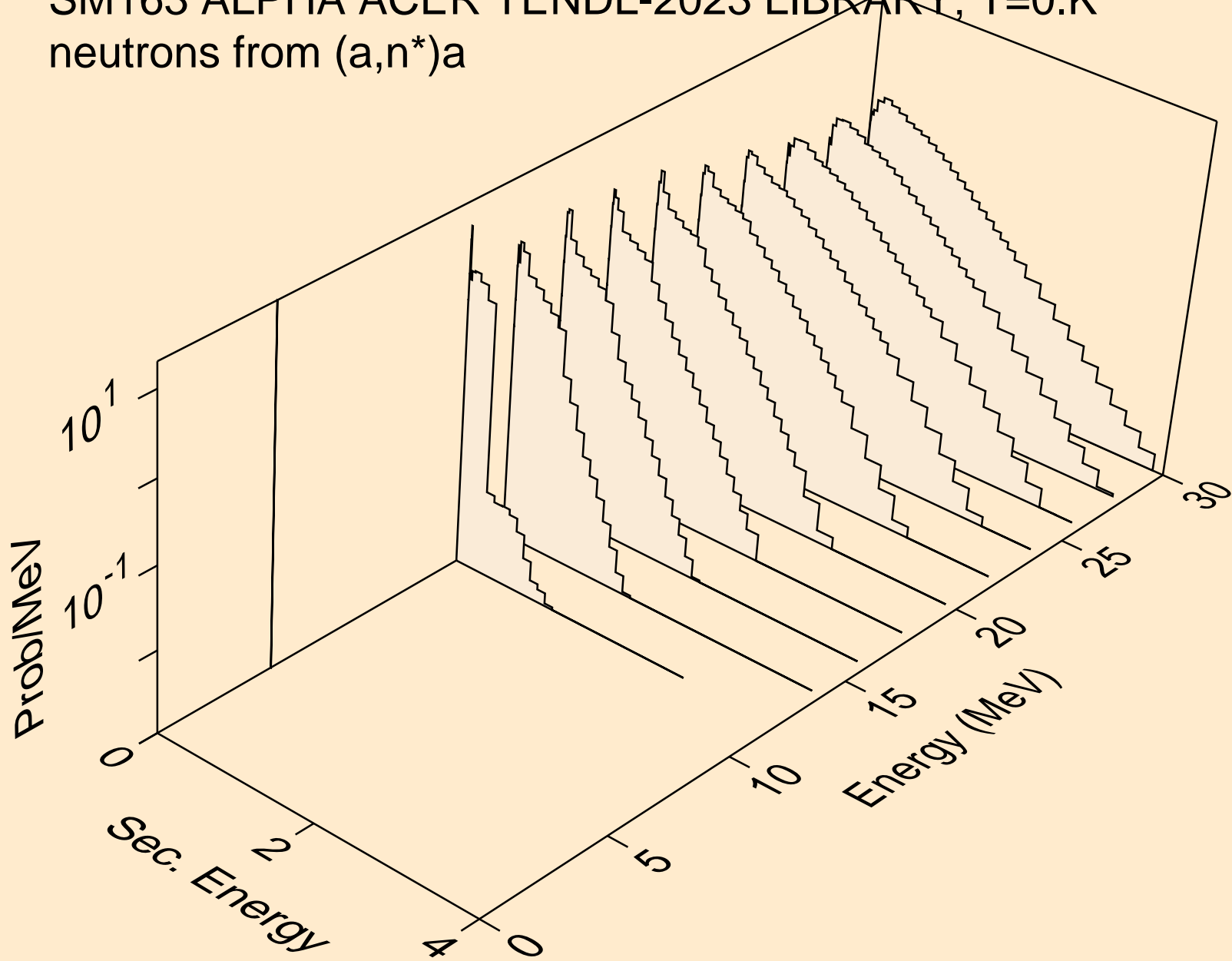


SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,3n)

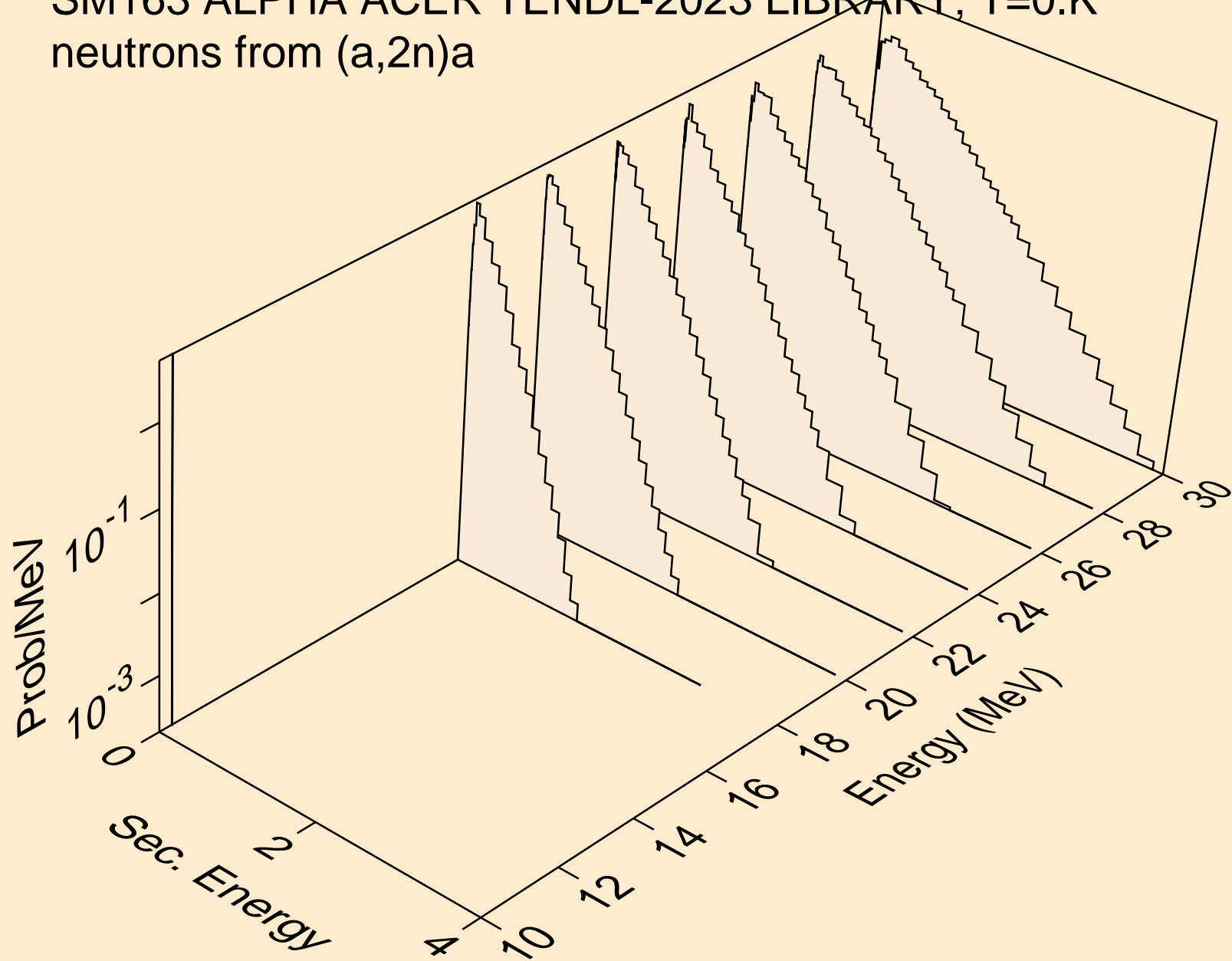




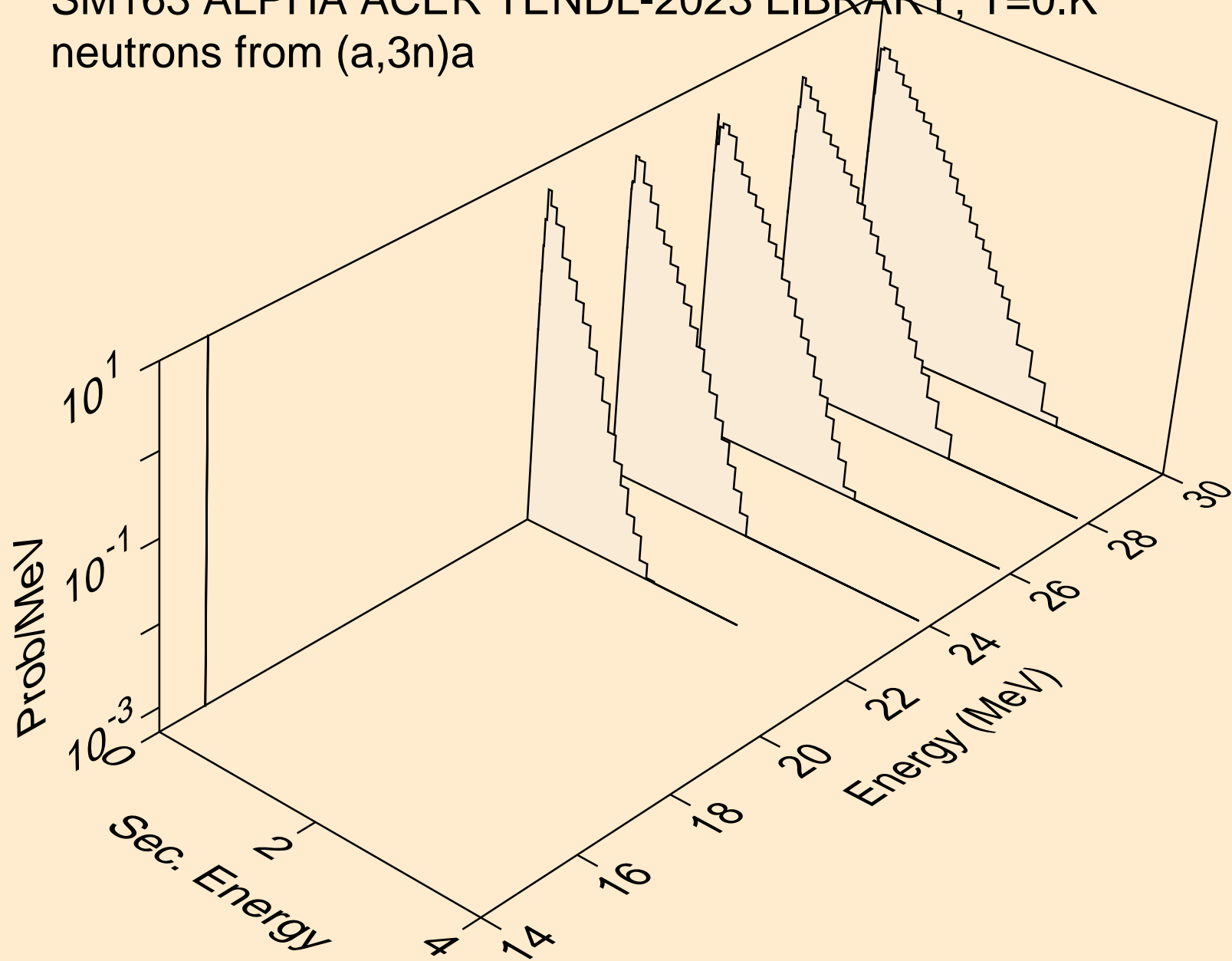
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)a



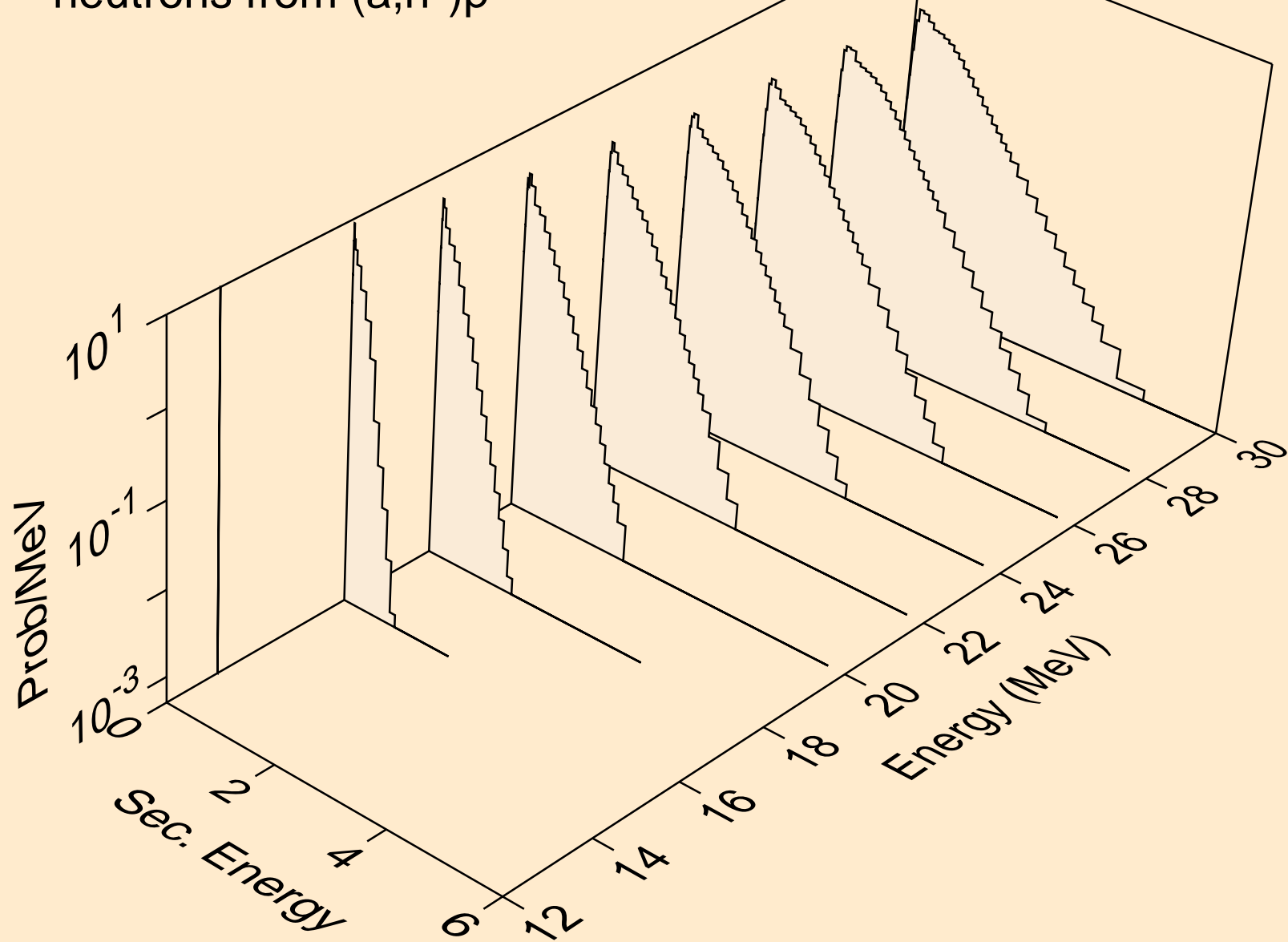
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2n)a



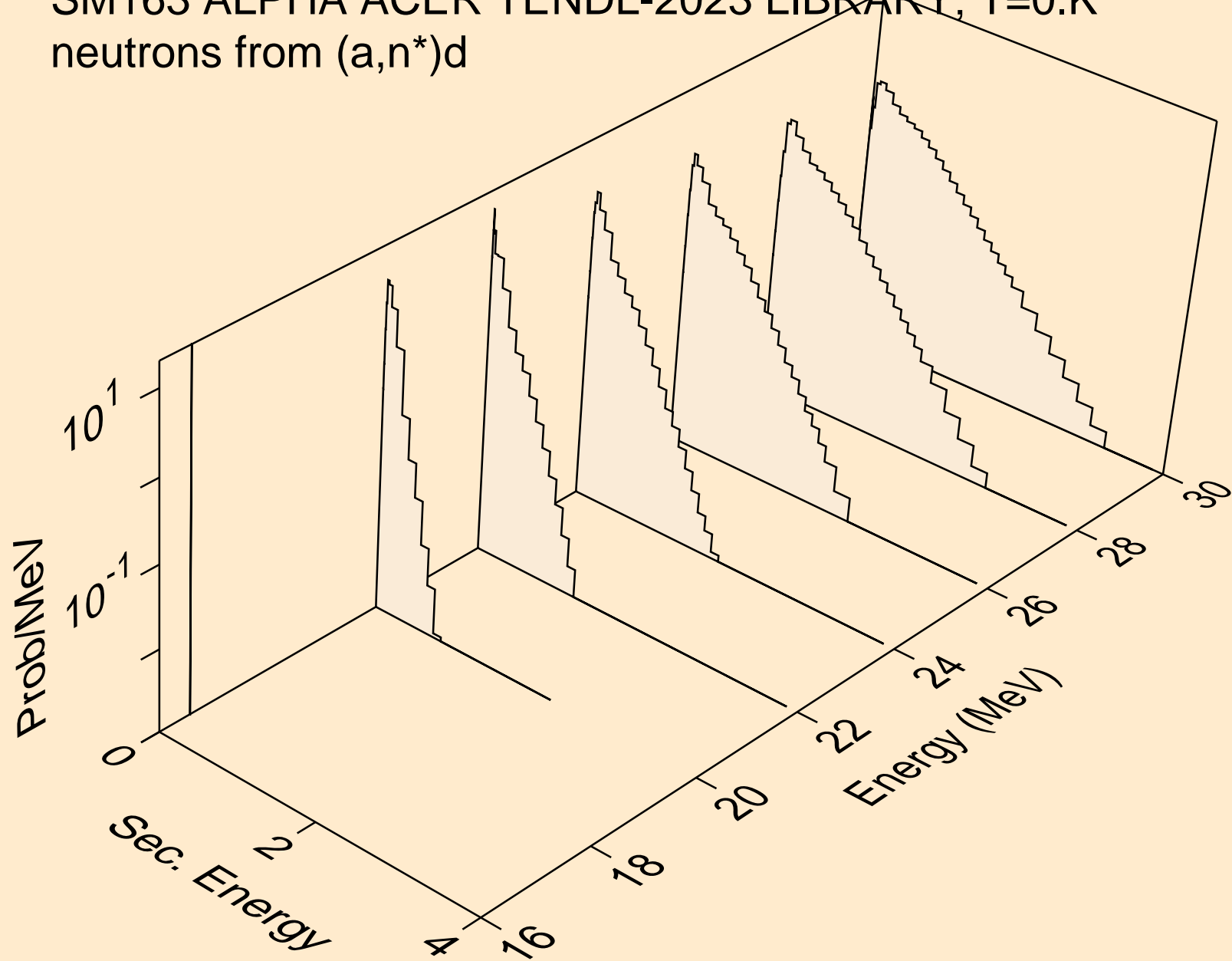
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,3n)a



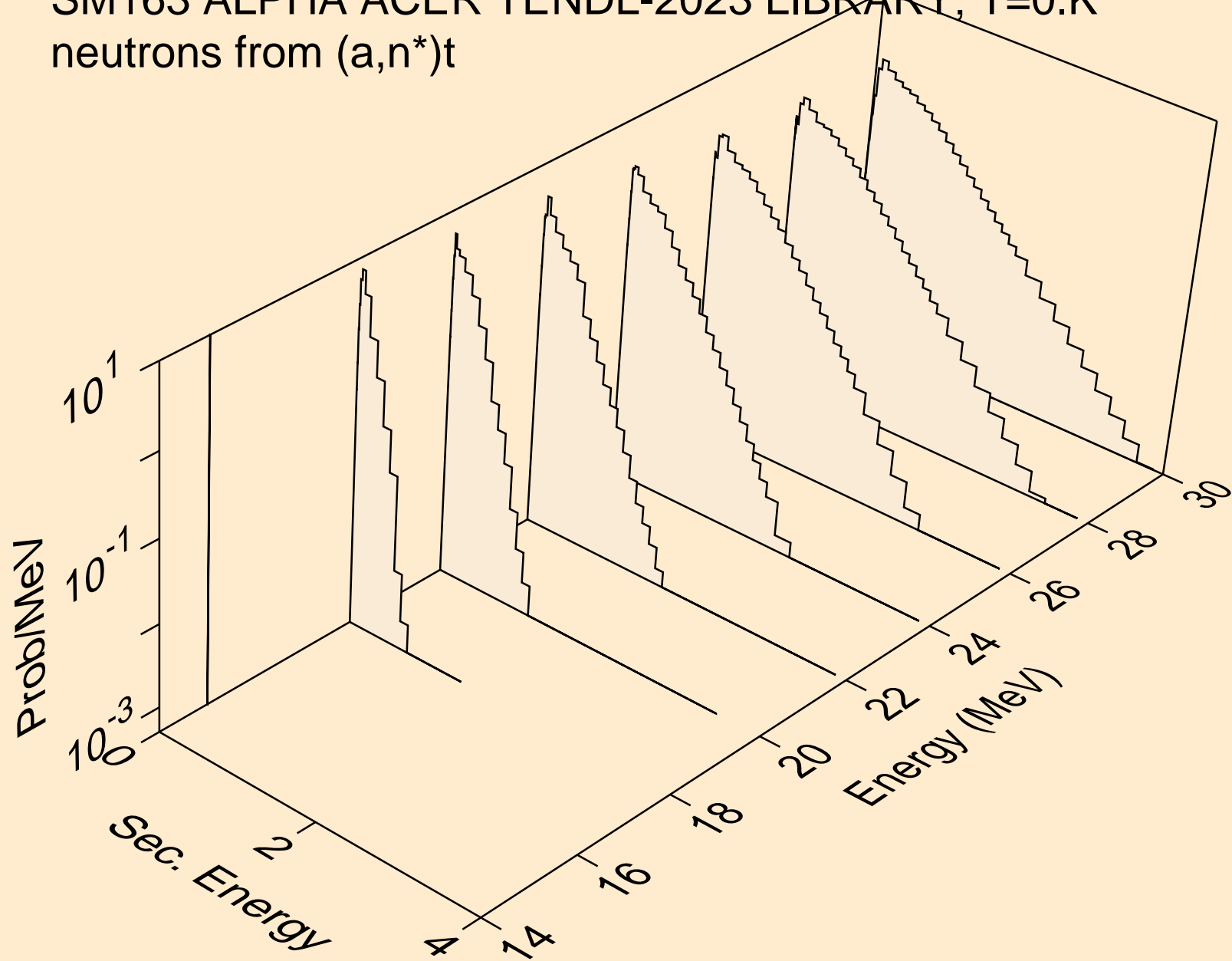
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)p



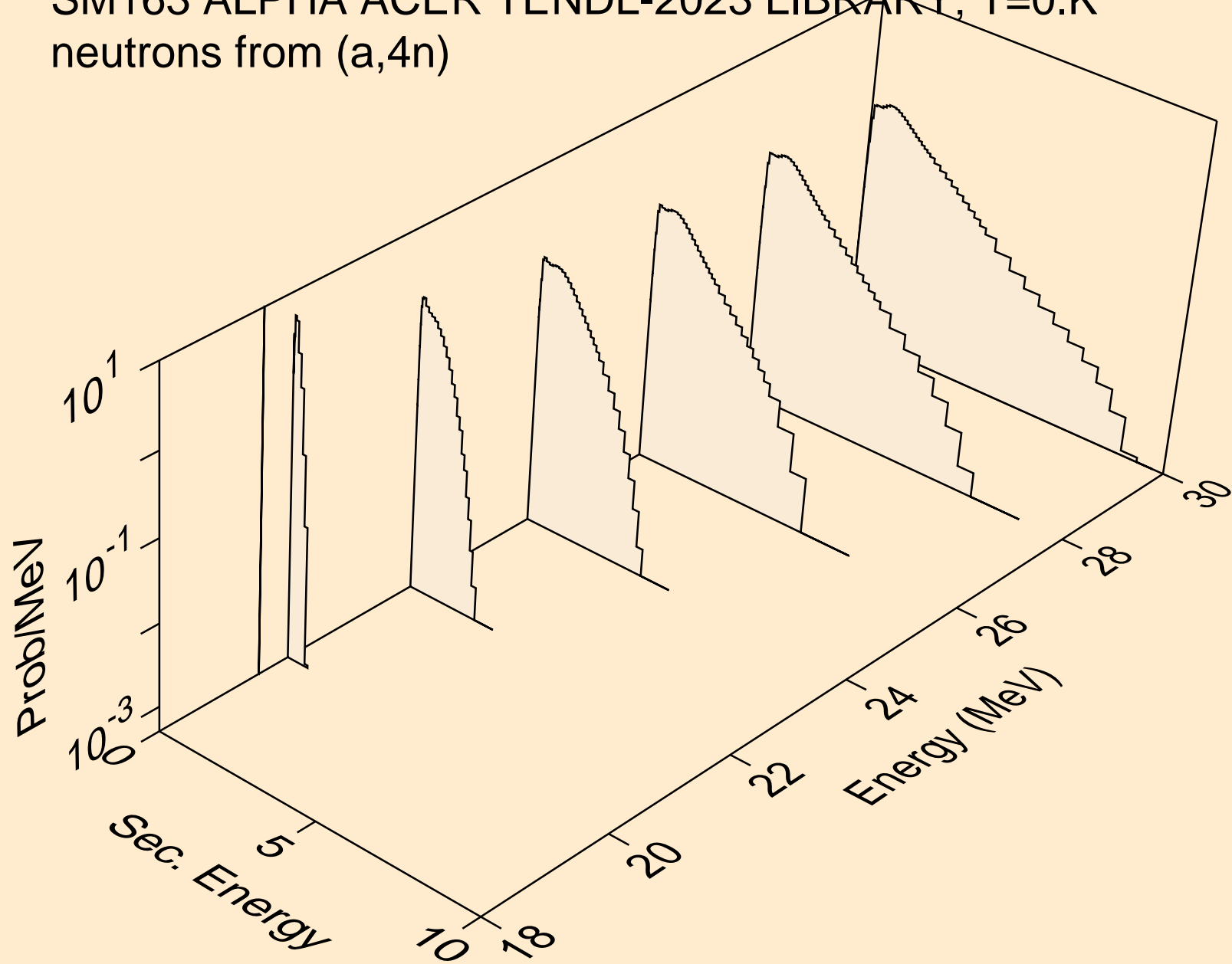
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)d



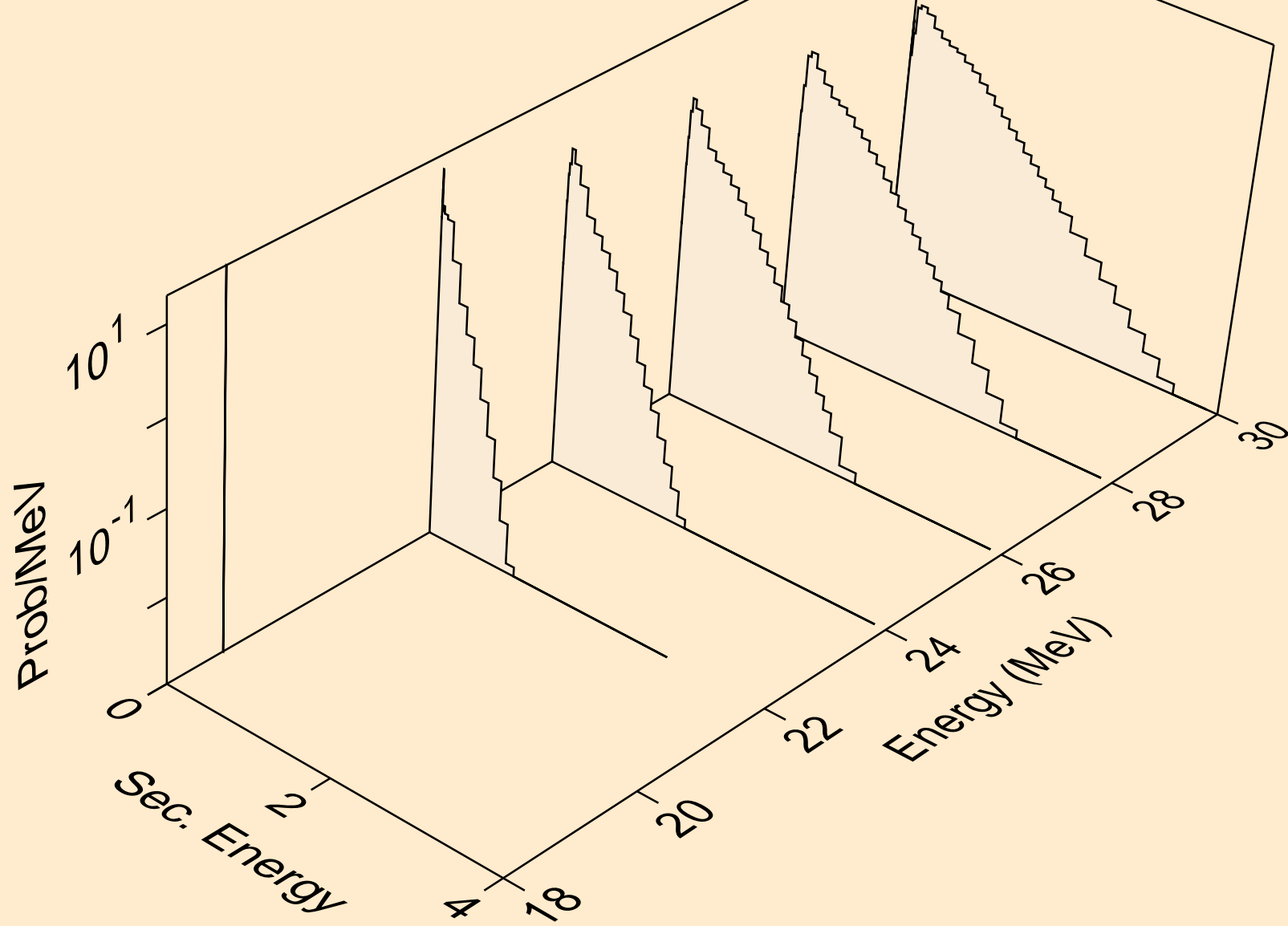
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)t



SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,4n)

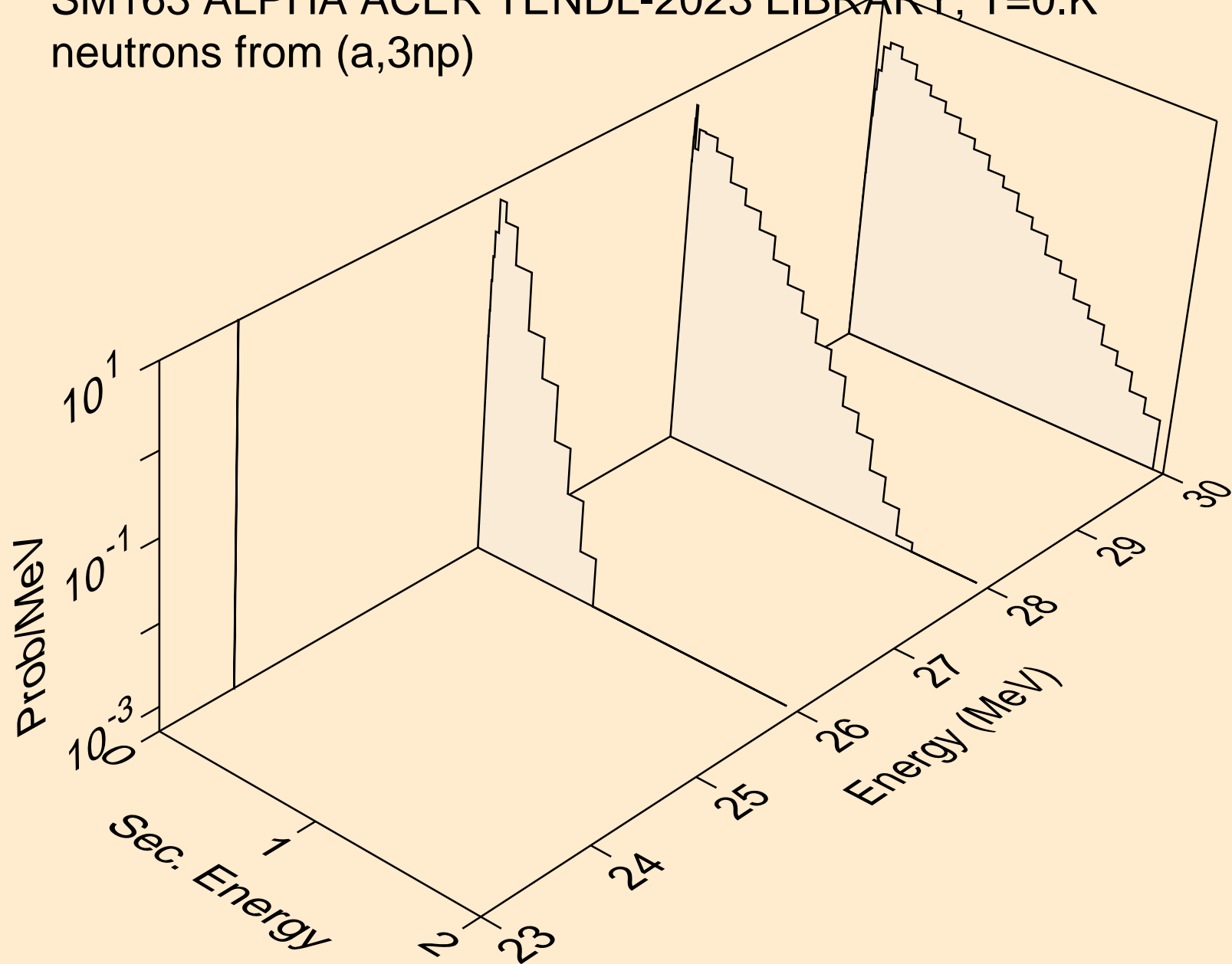


SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2np)

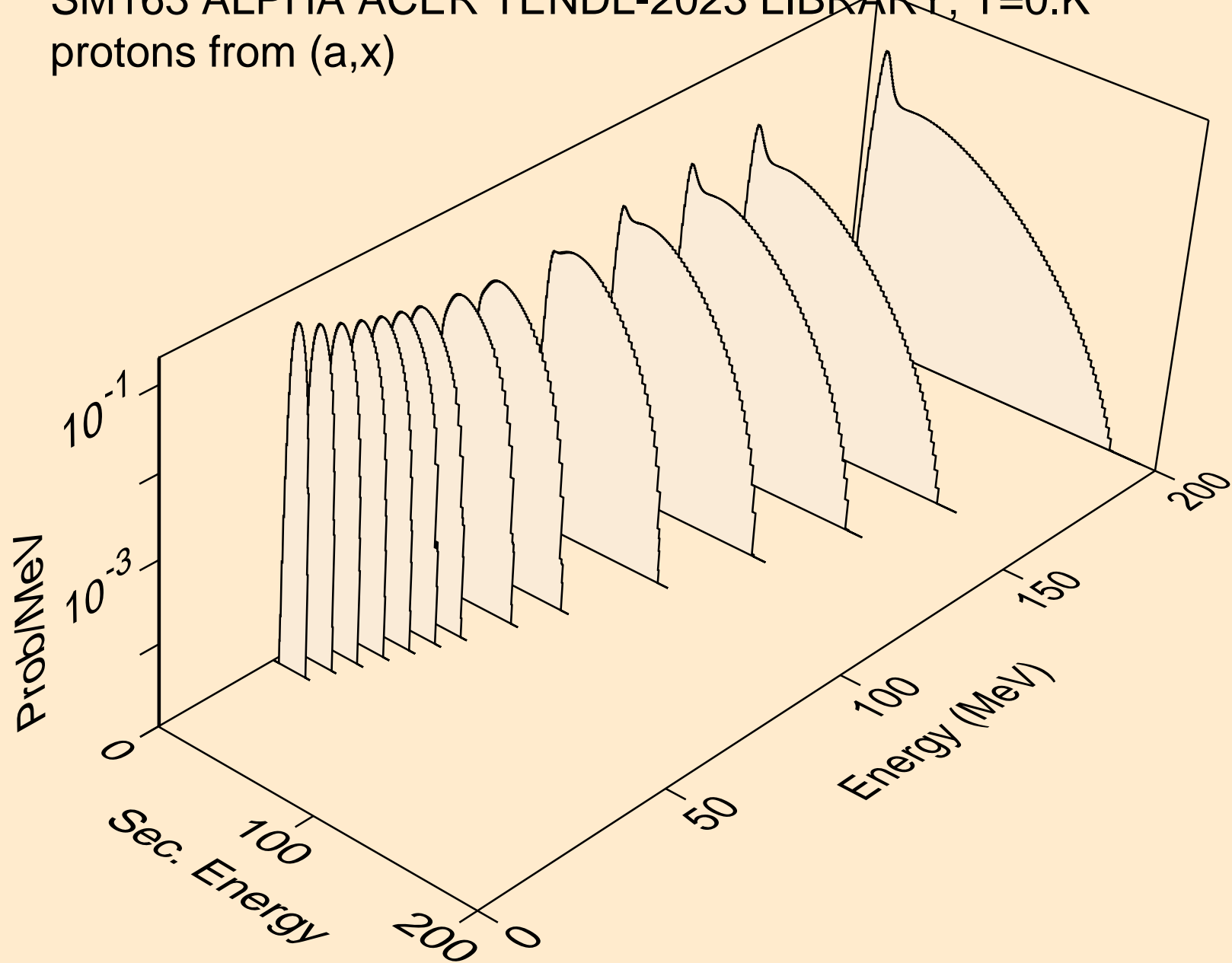




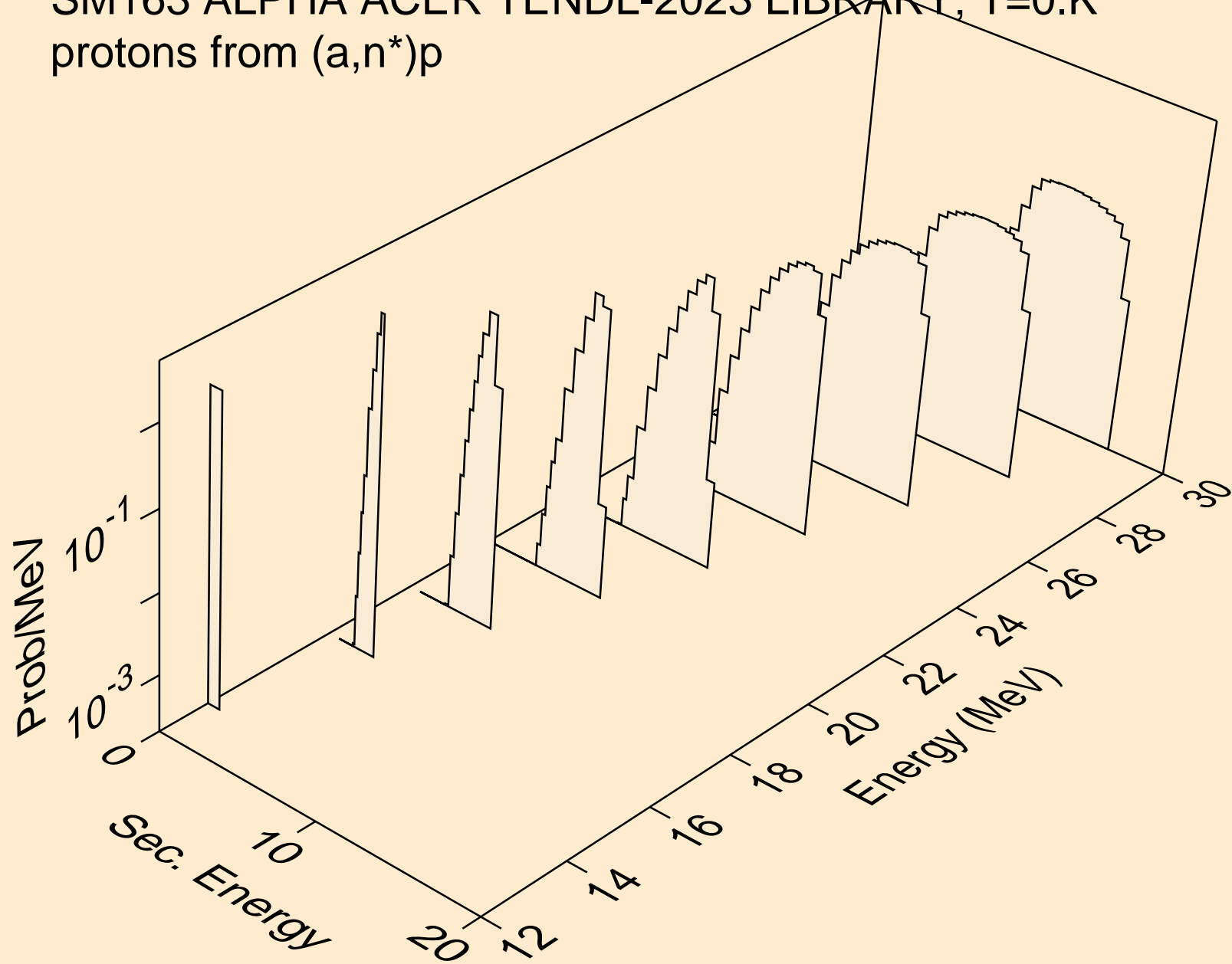
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,3np)



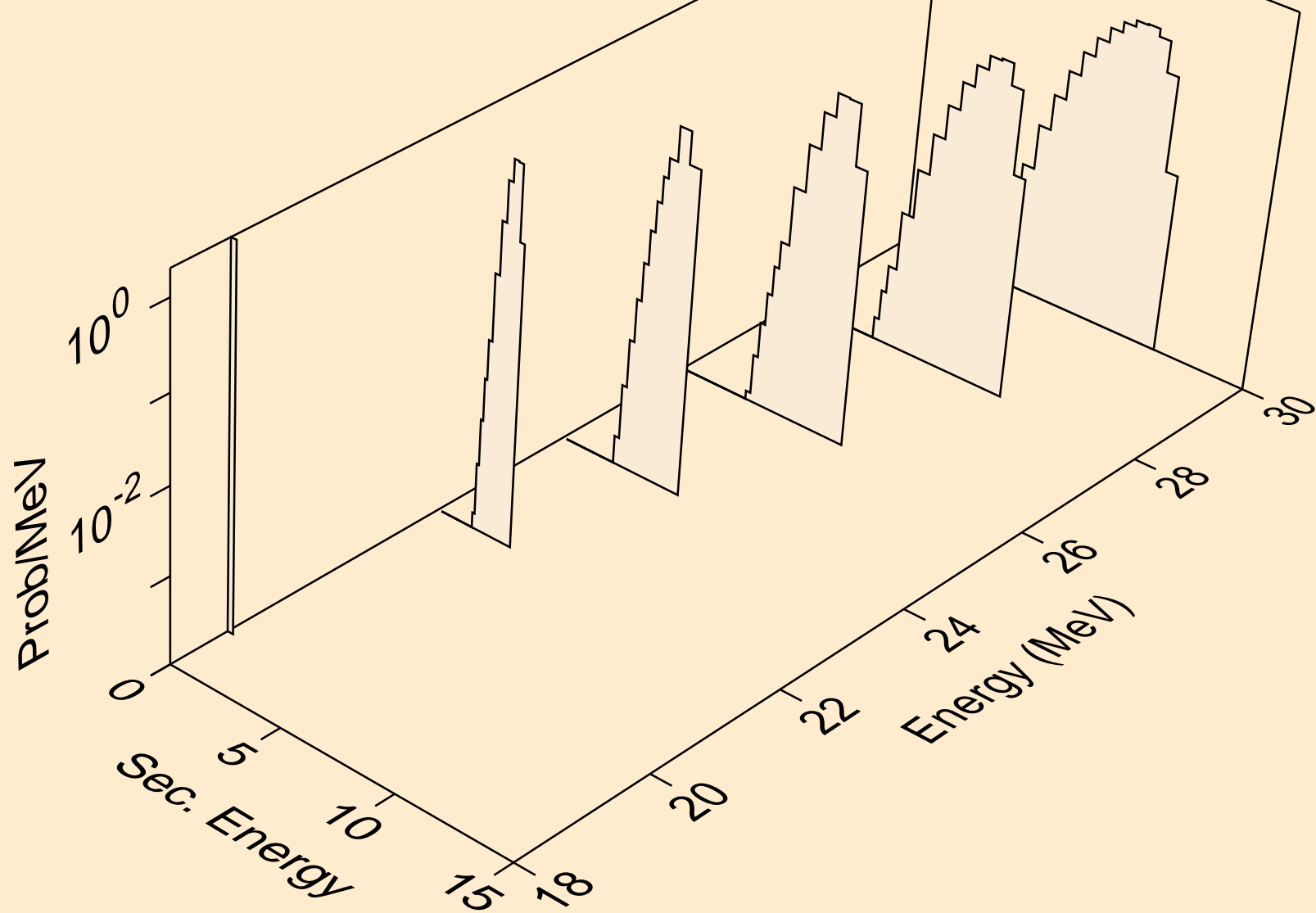
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,x)



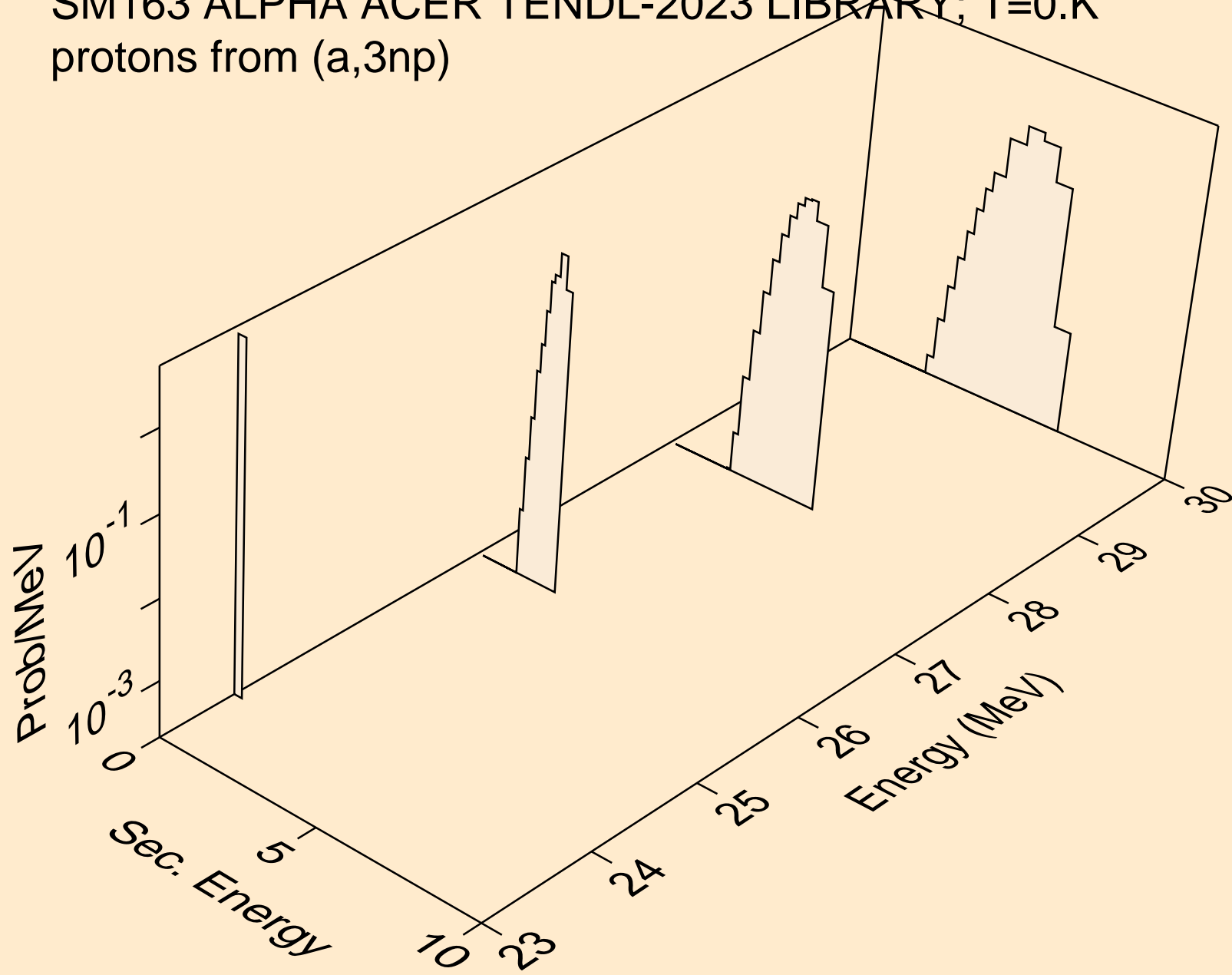
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,n\*)p



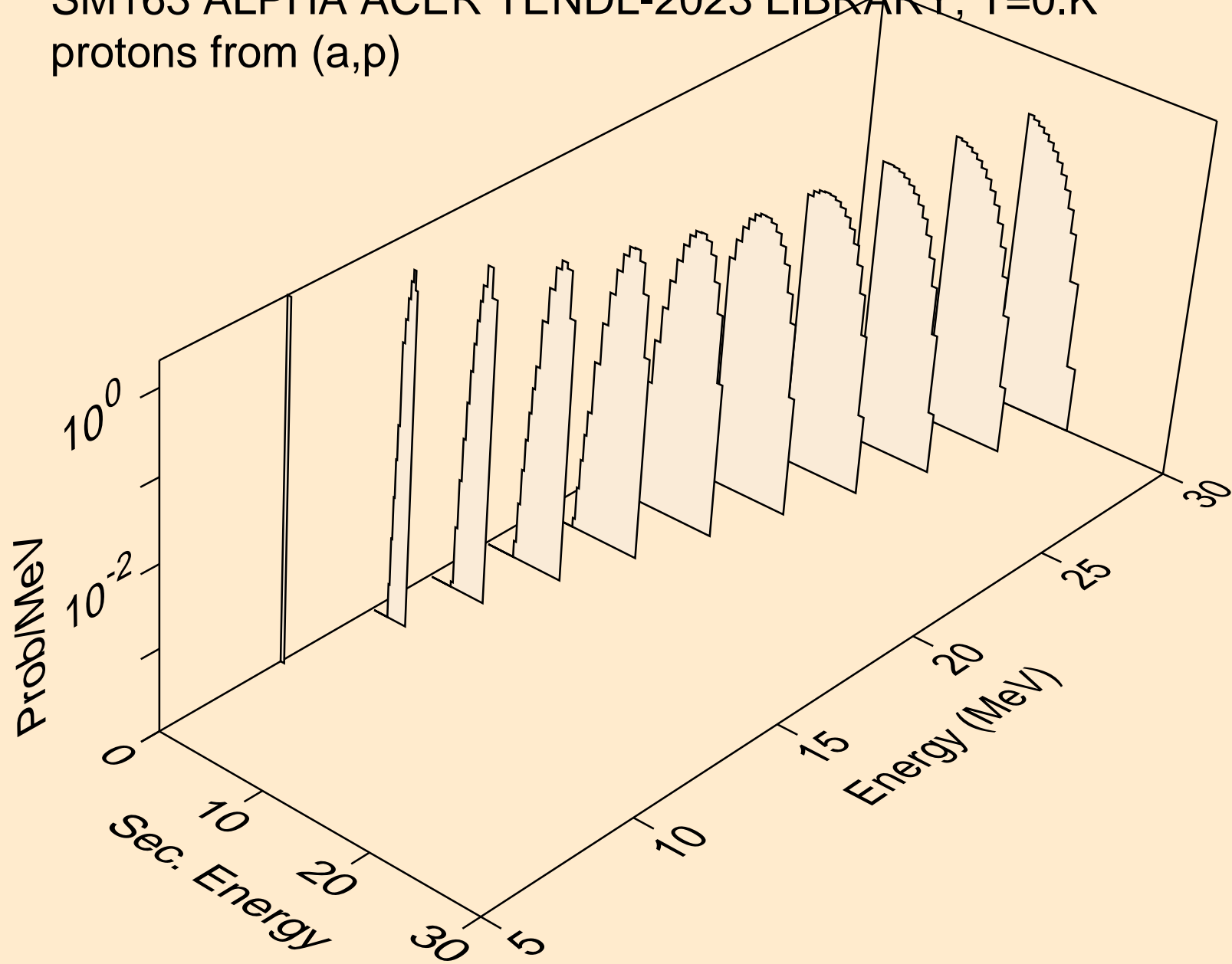
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,2np)



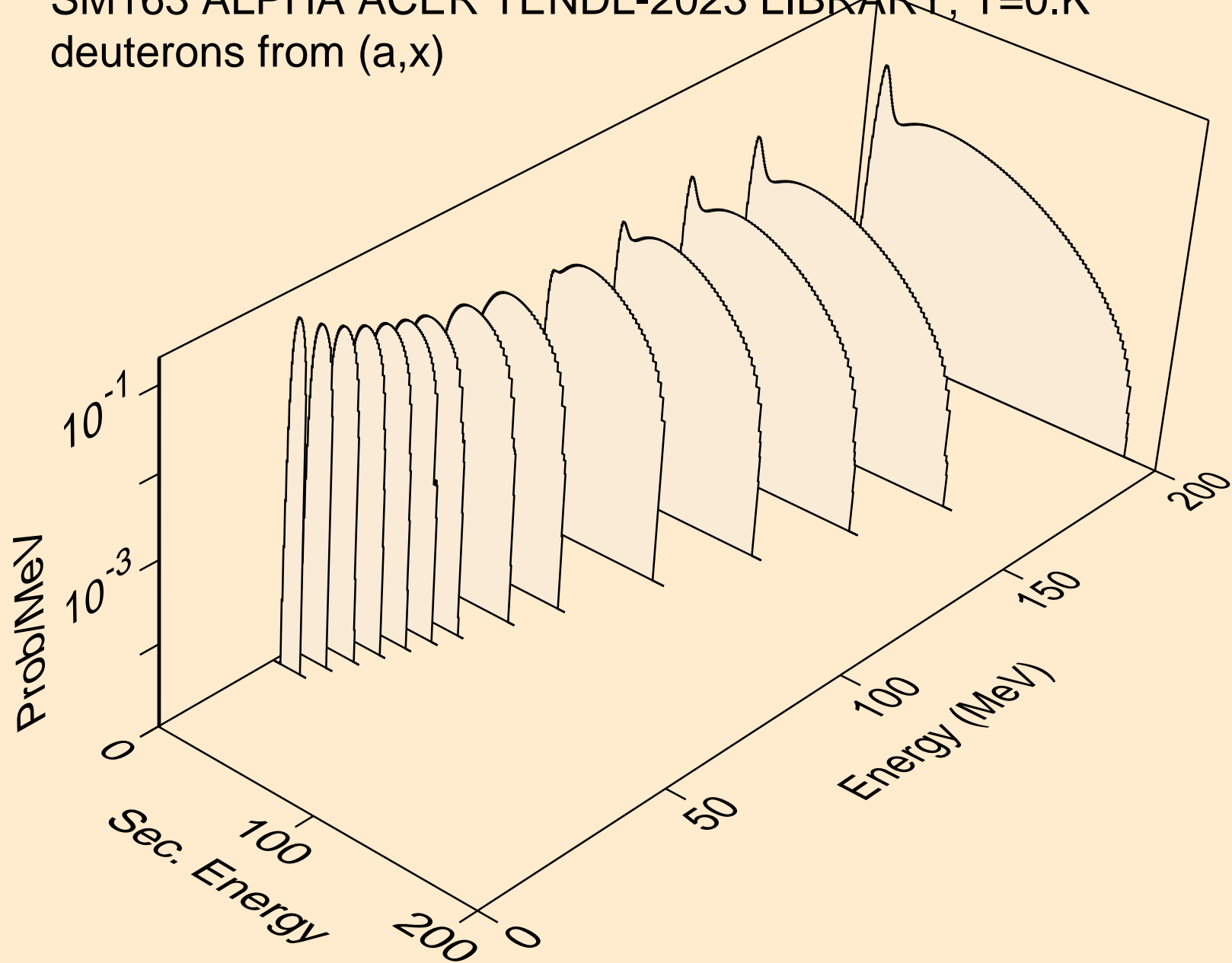
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,3np)



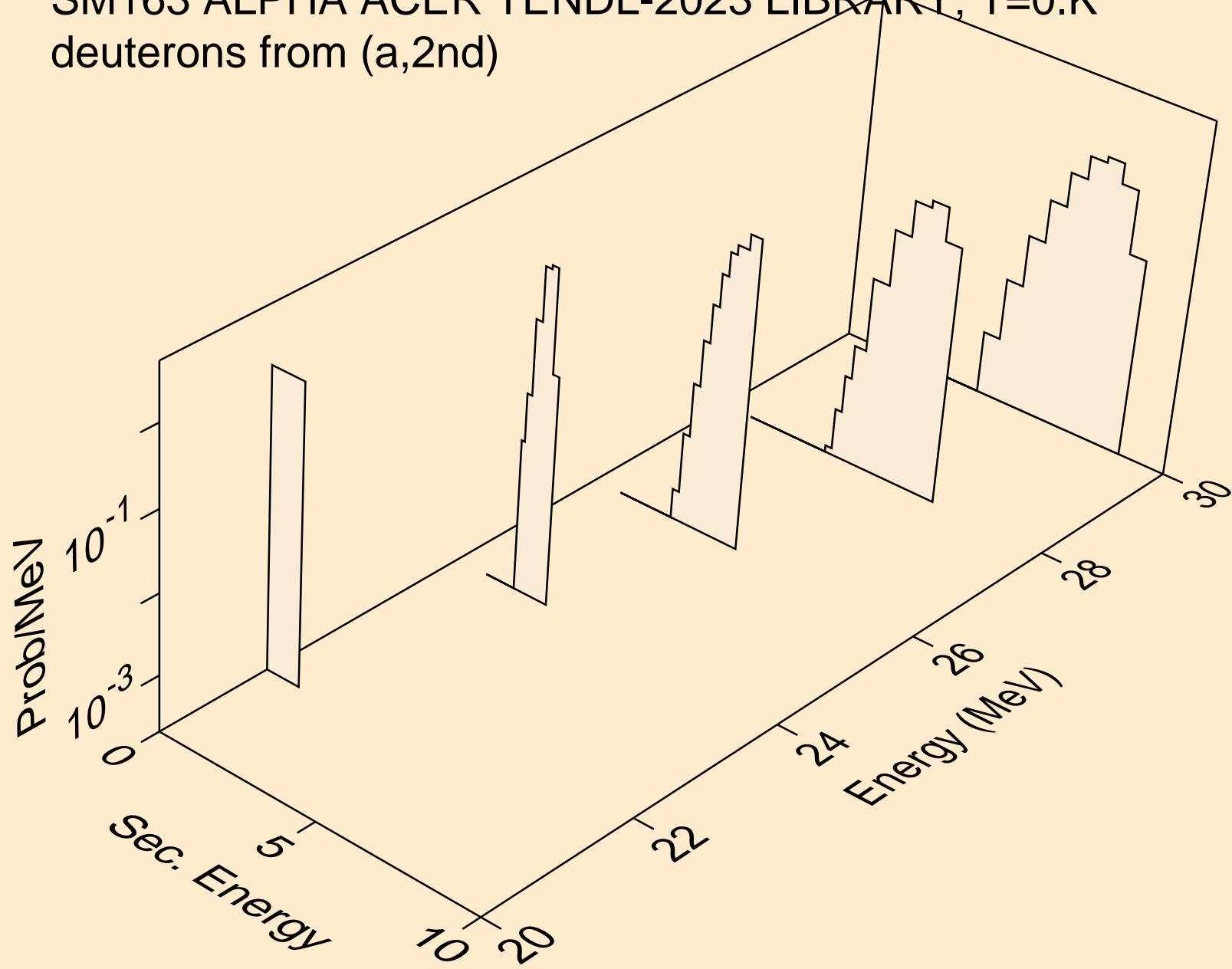
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,p)



SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,x)

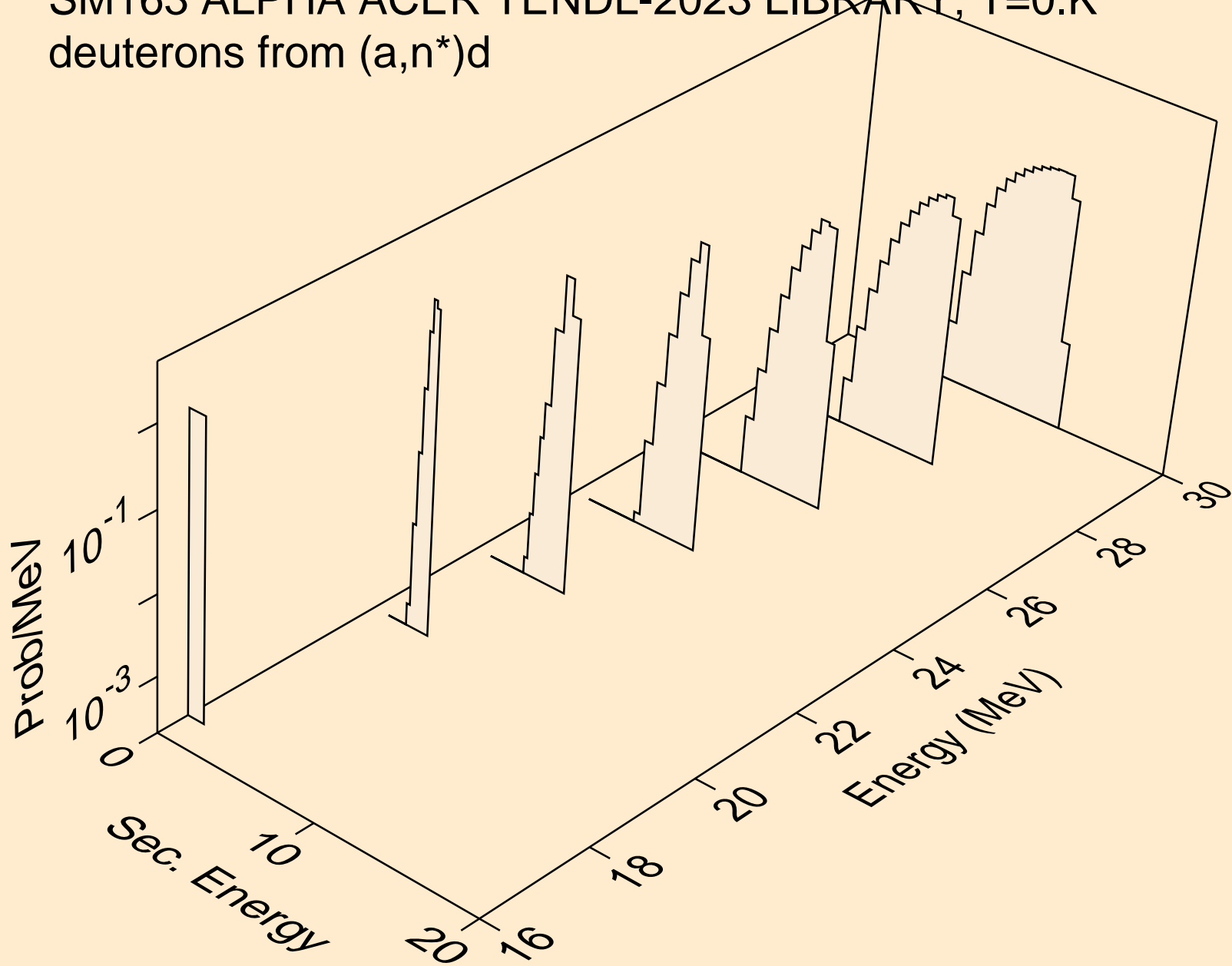


SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,2nd)

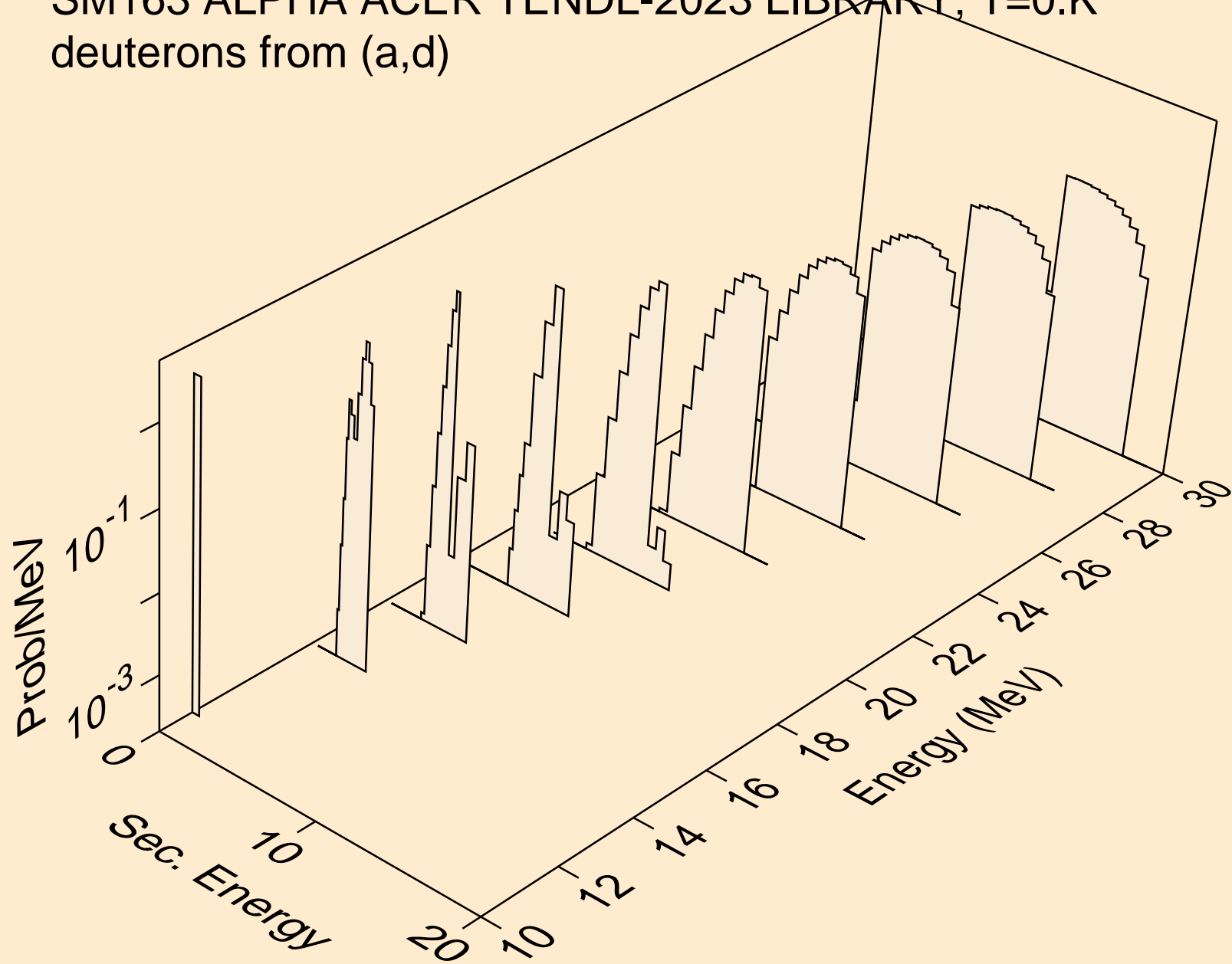




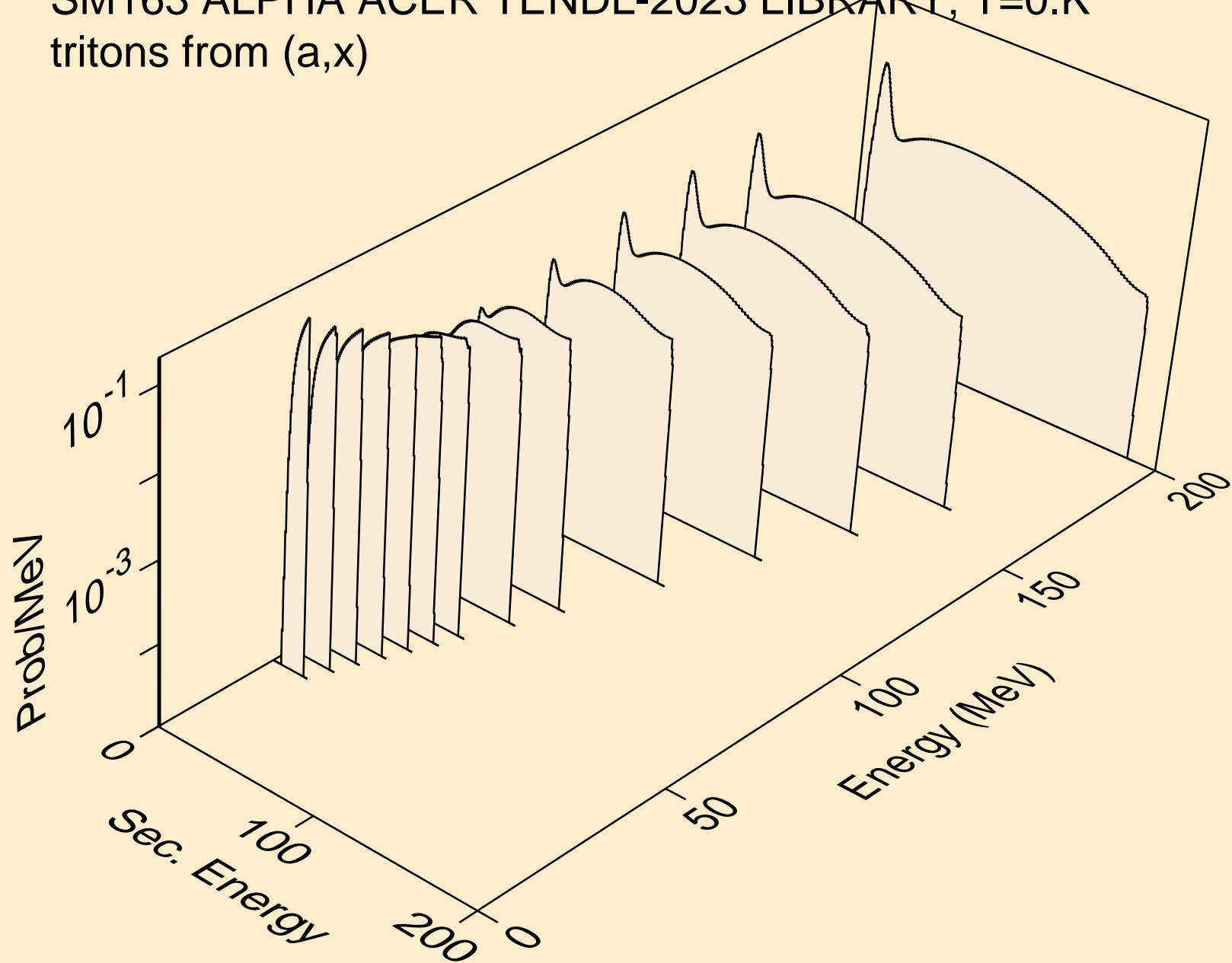
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,n\*)d



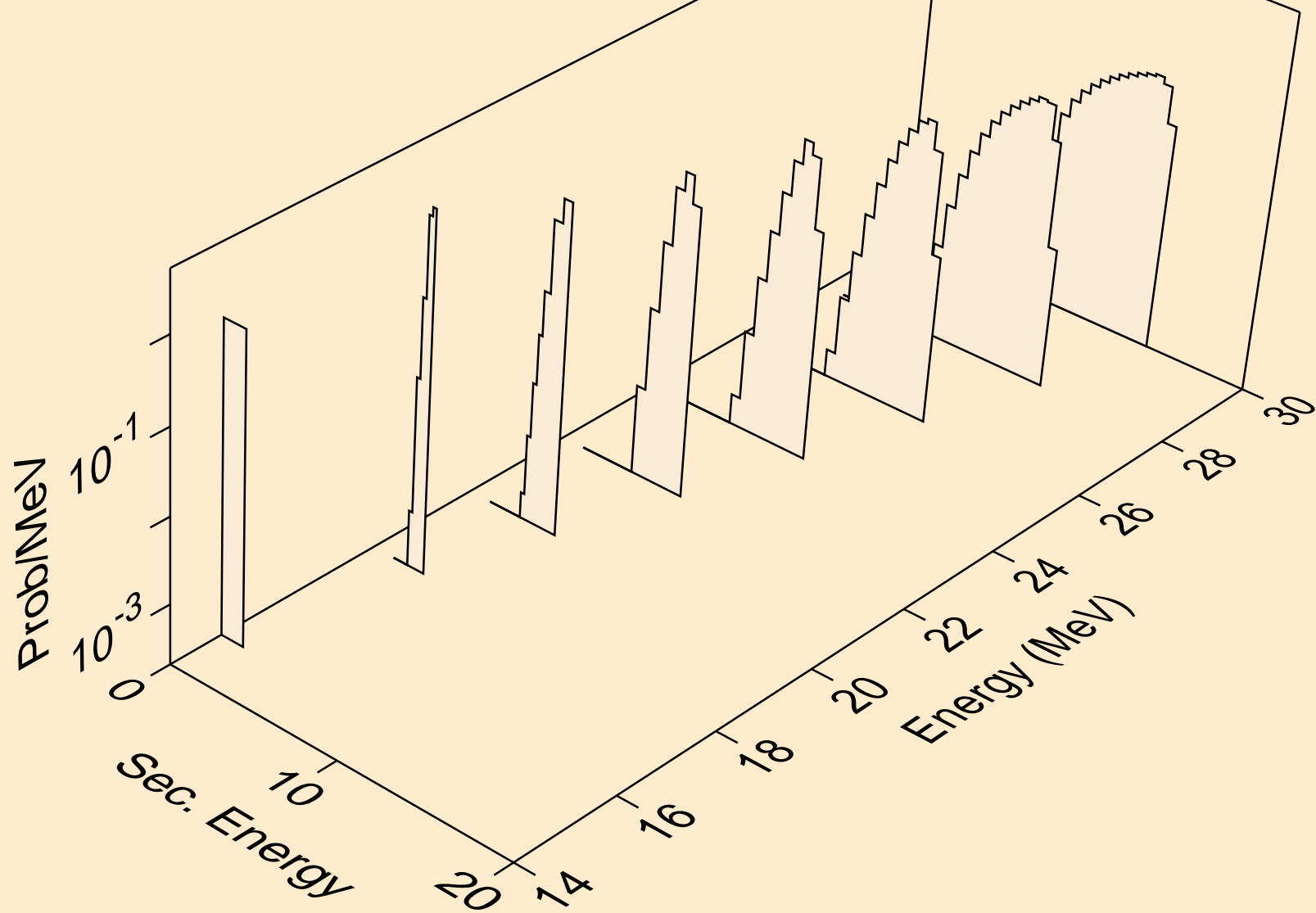
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,d)



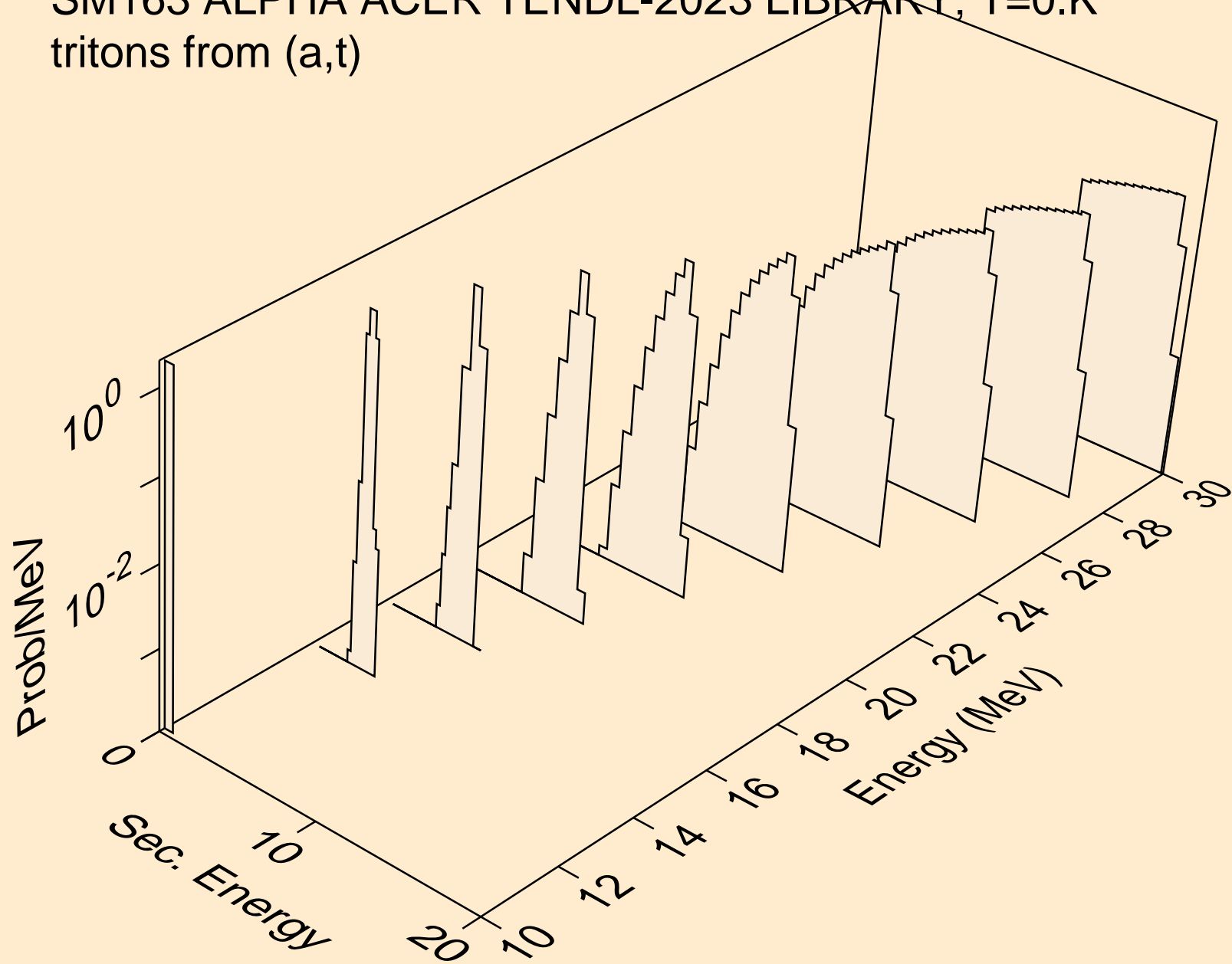
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,x)



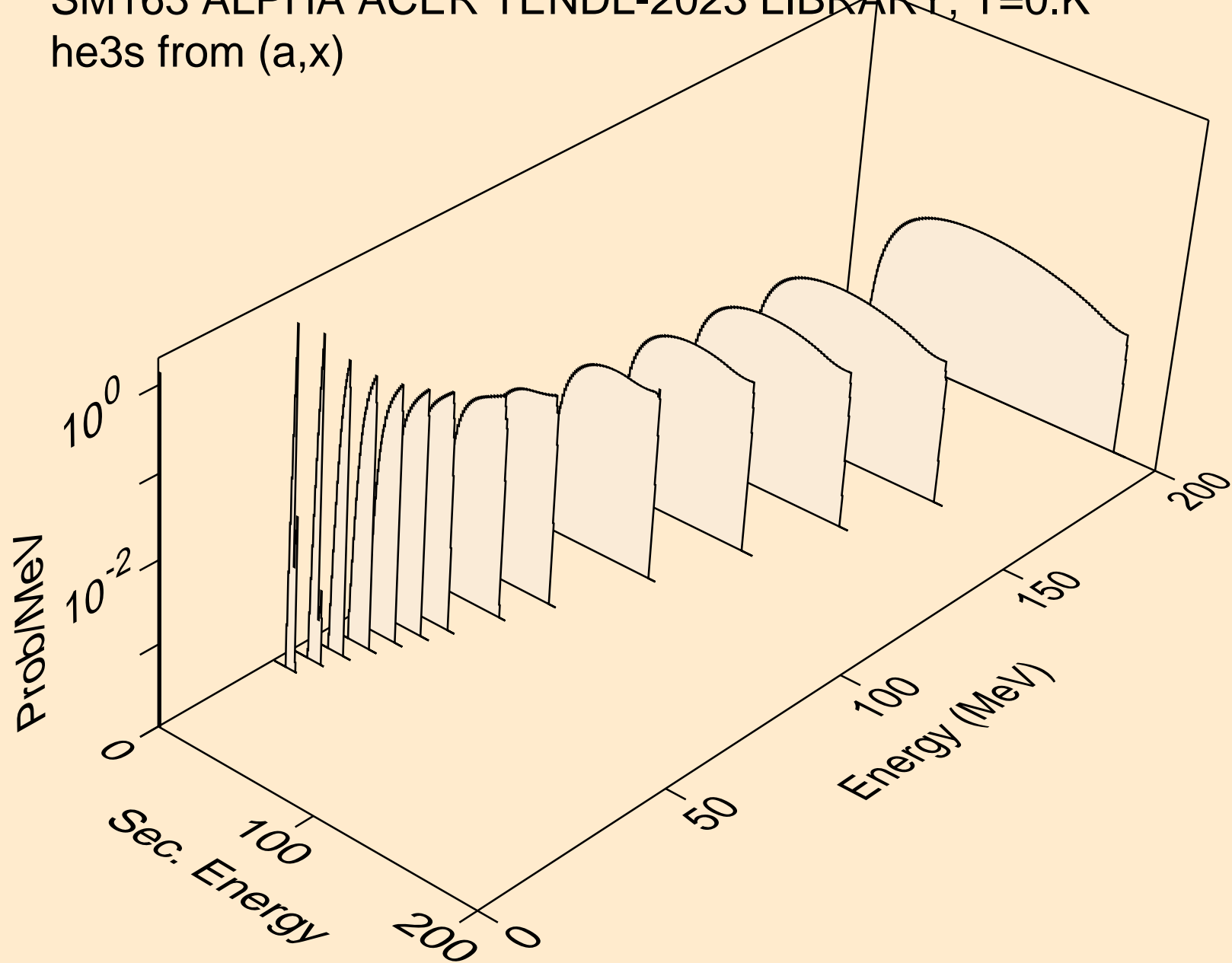
SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,n\*)t



SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,t)



SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,x)



SM163 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,he3)

