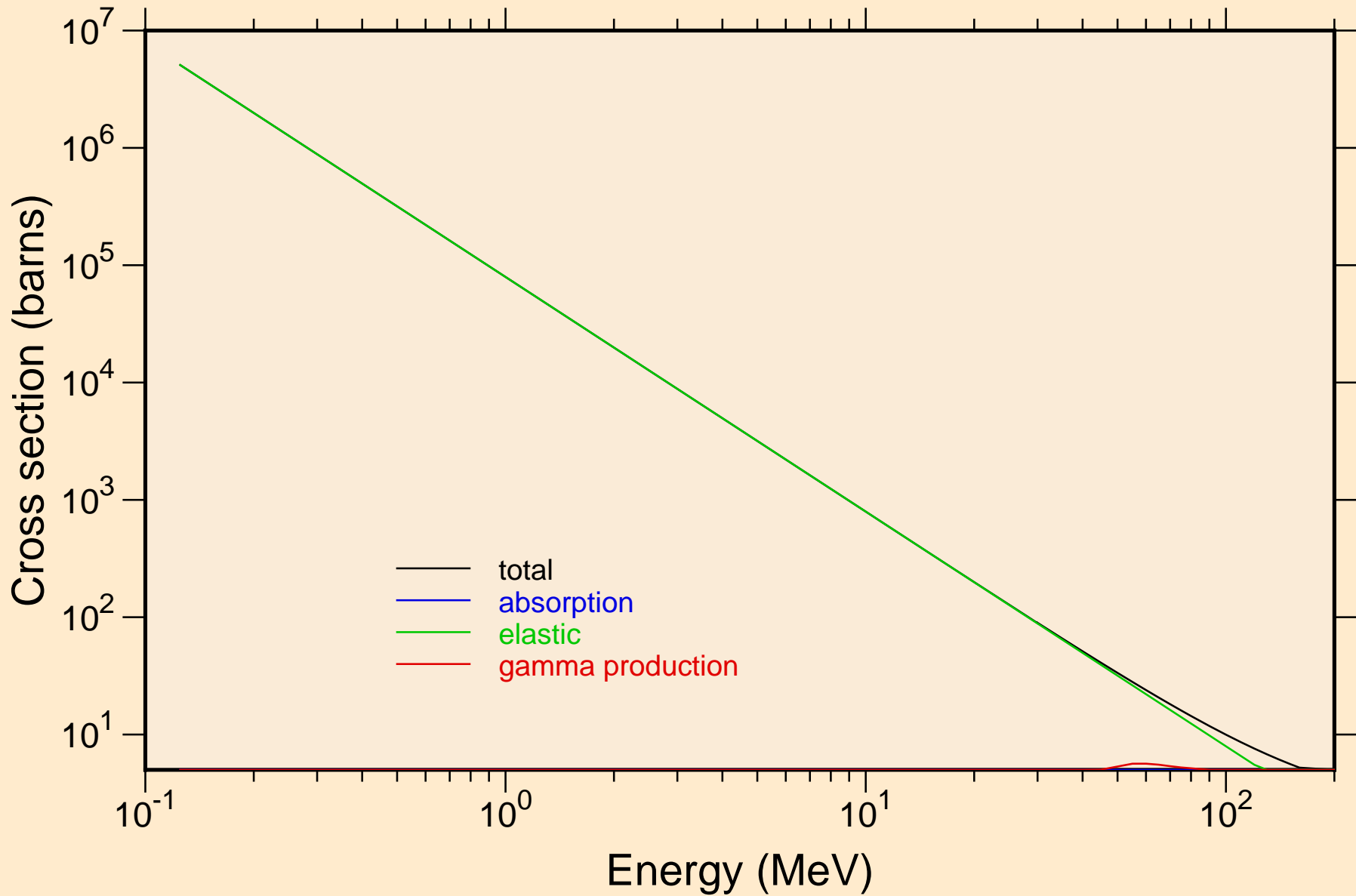
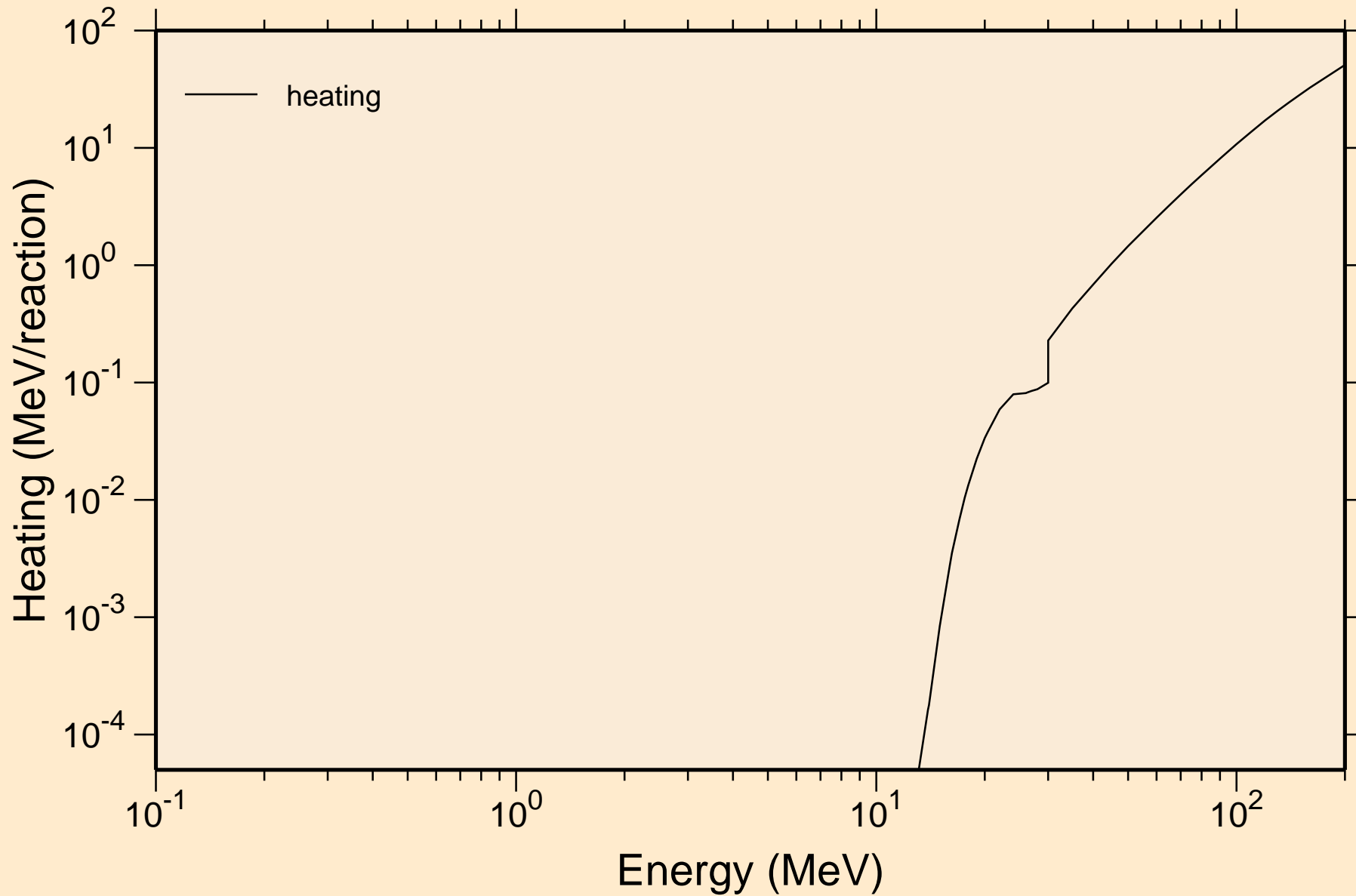


CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



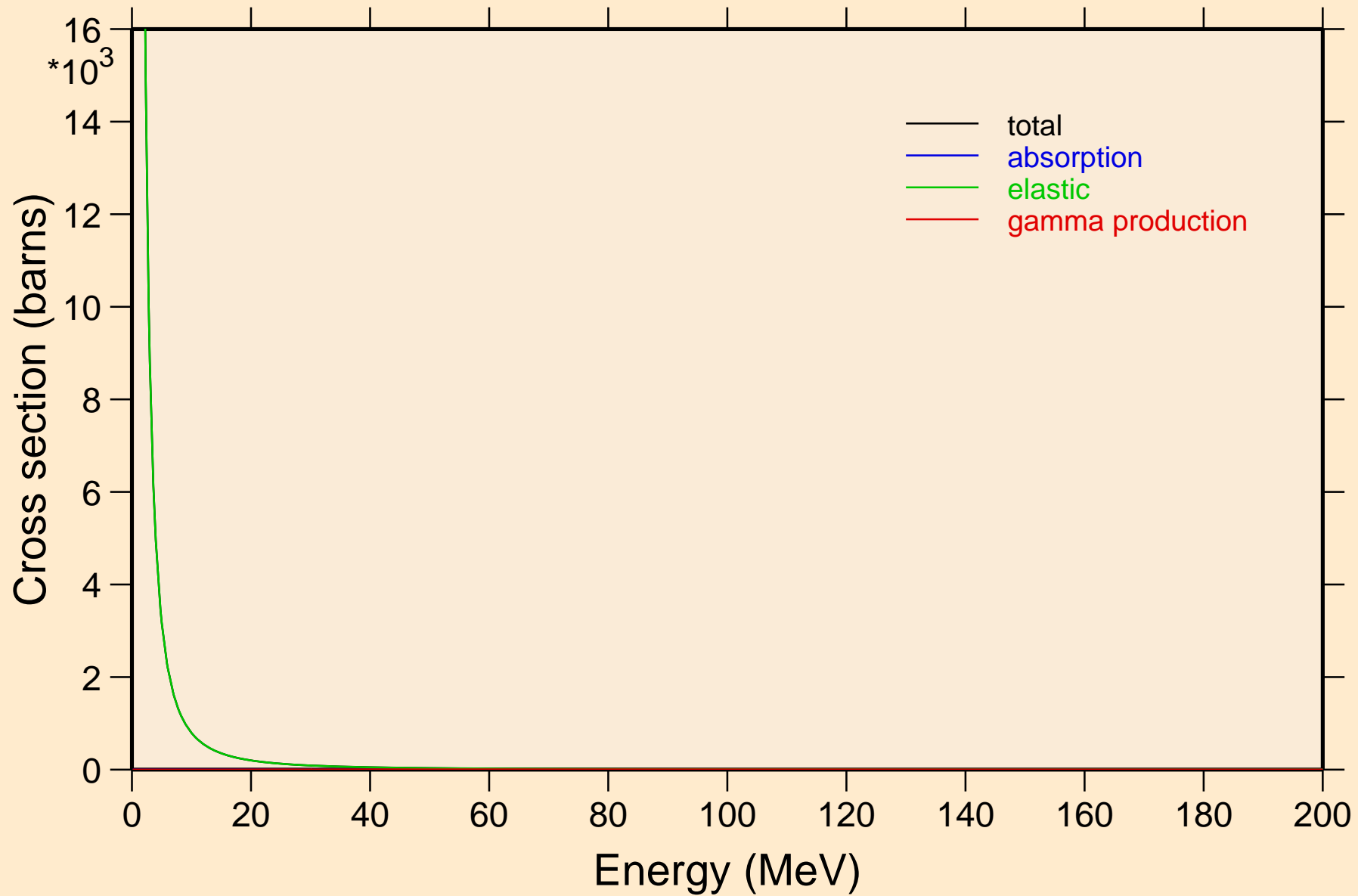
# CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Heating



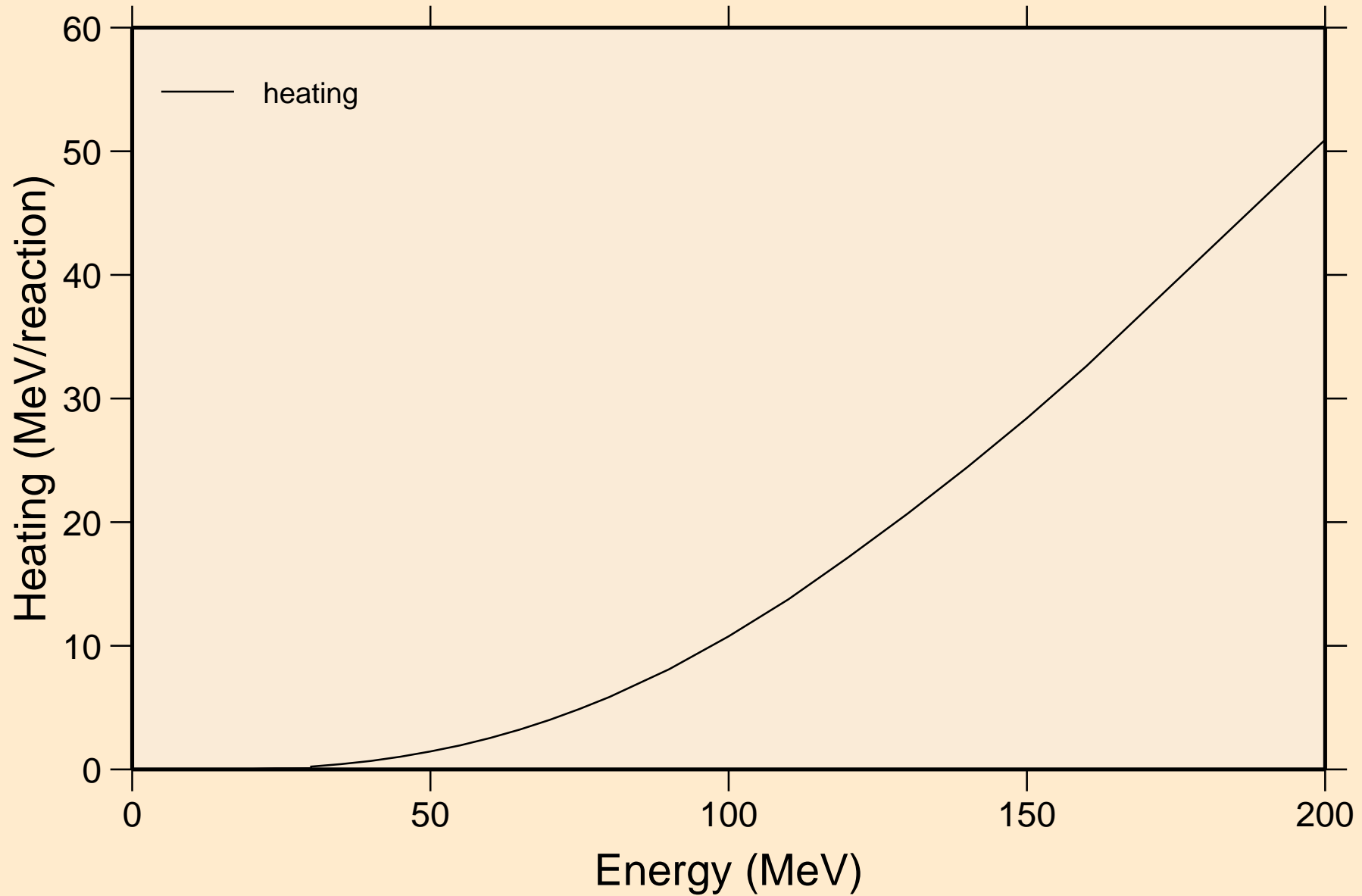
# CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

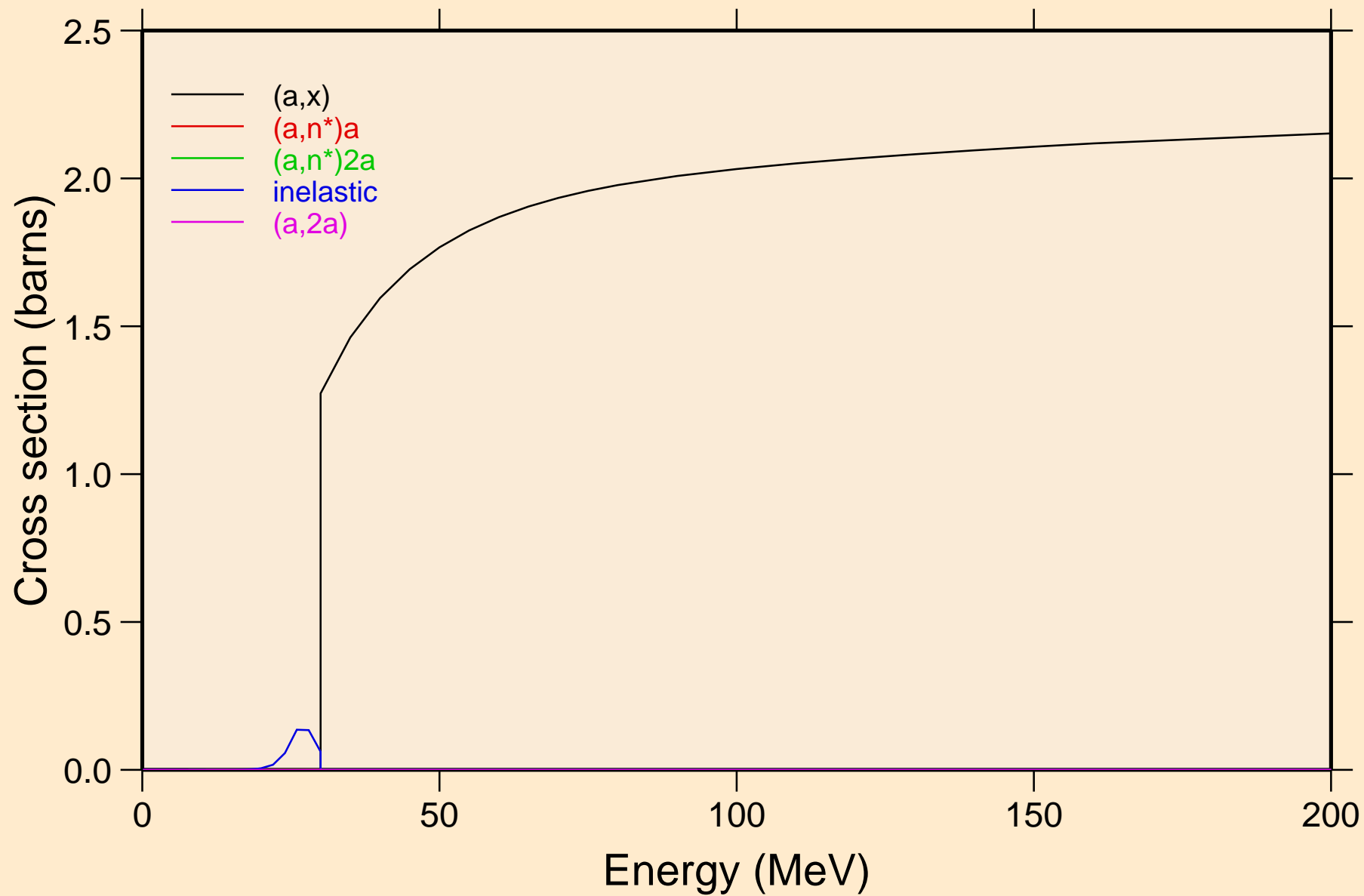


CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

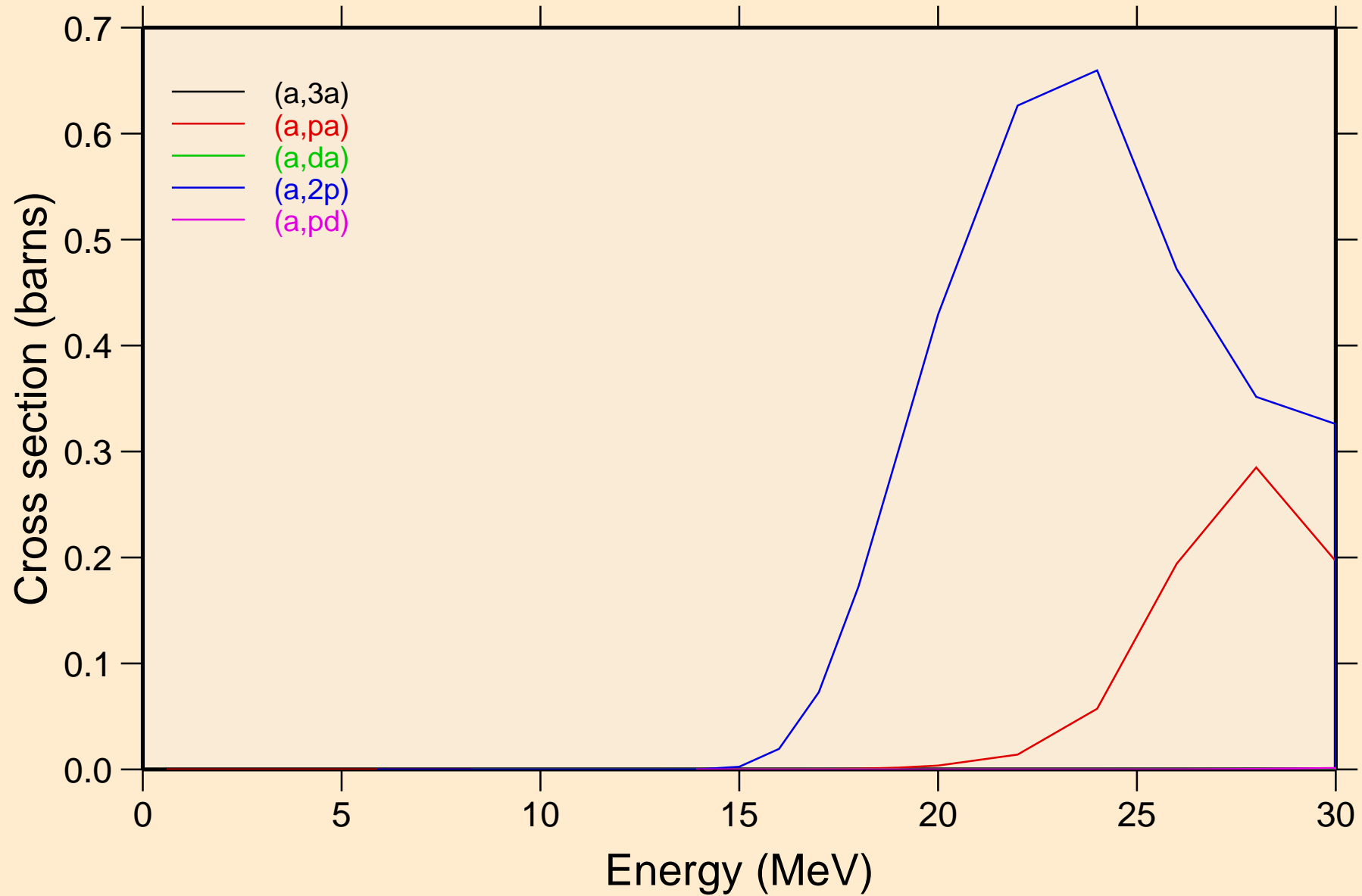
Heating



CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

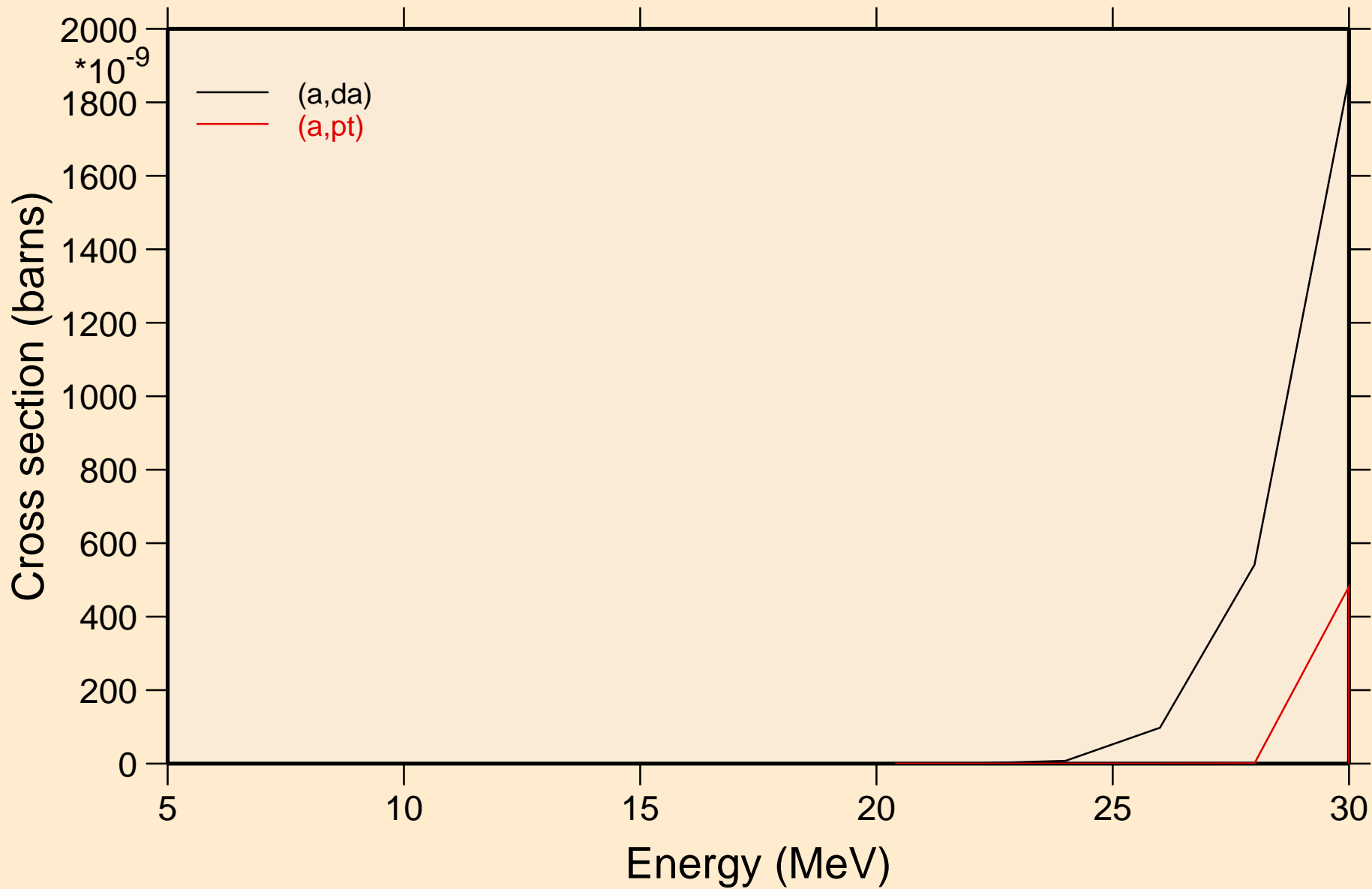


CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

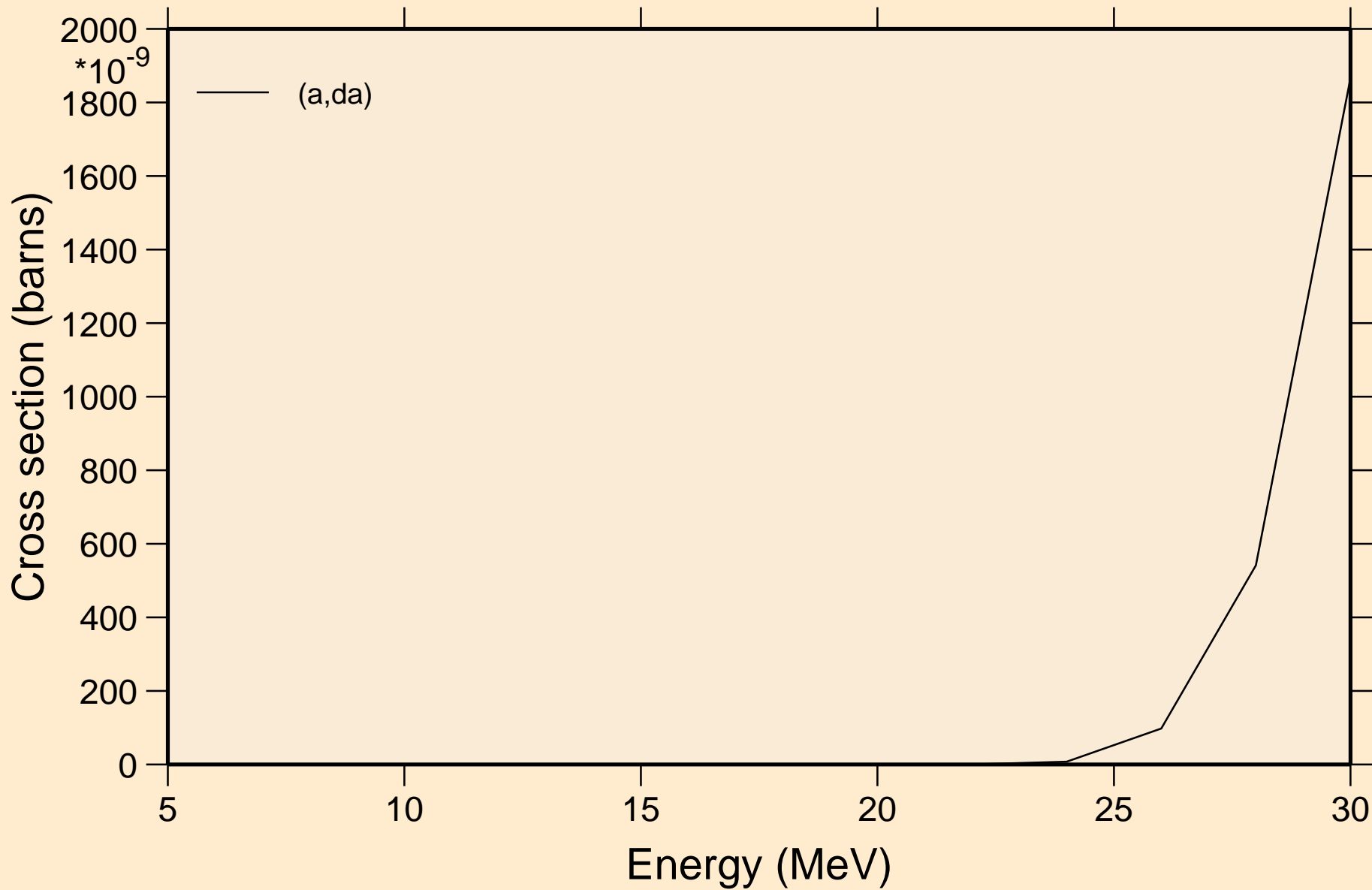


# CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

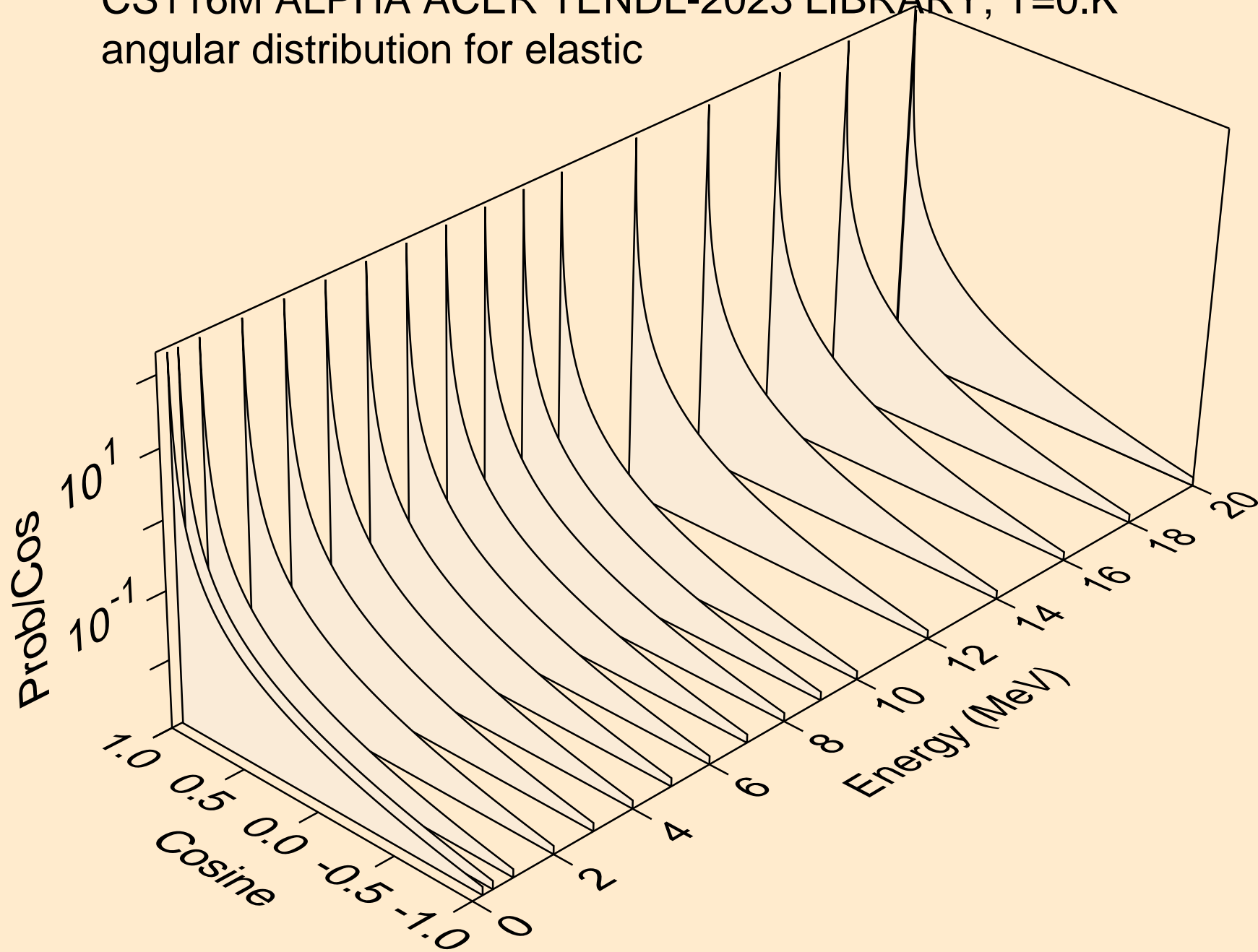
## Threshold reactions



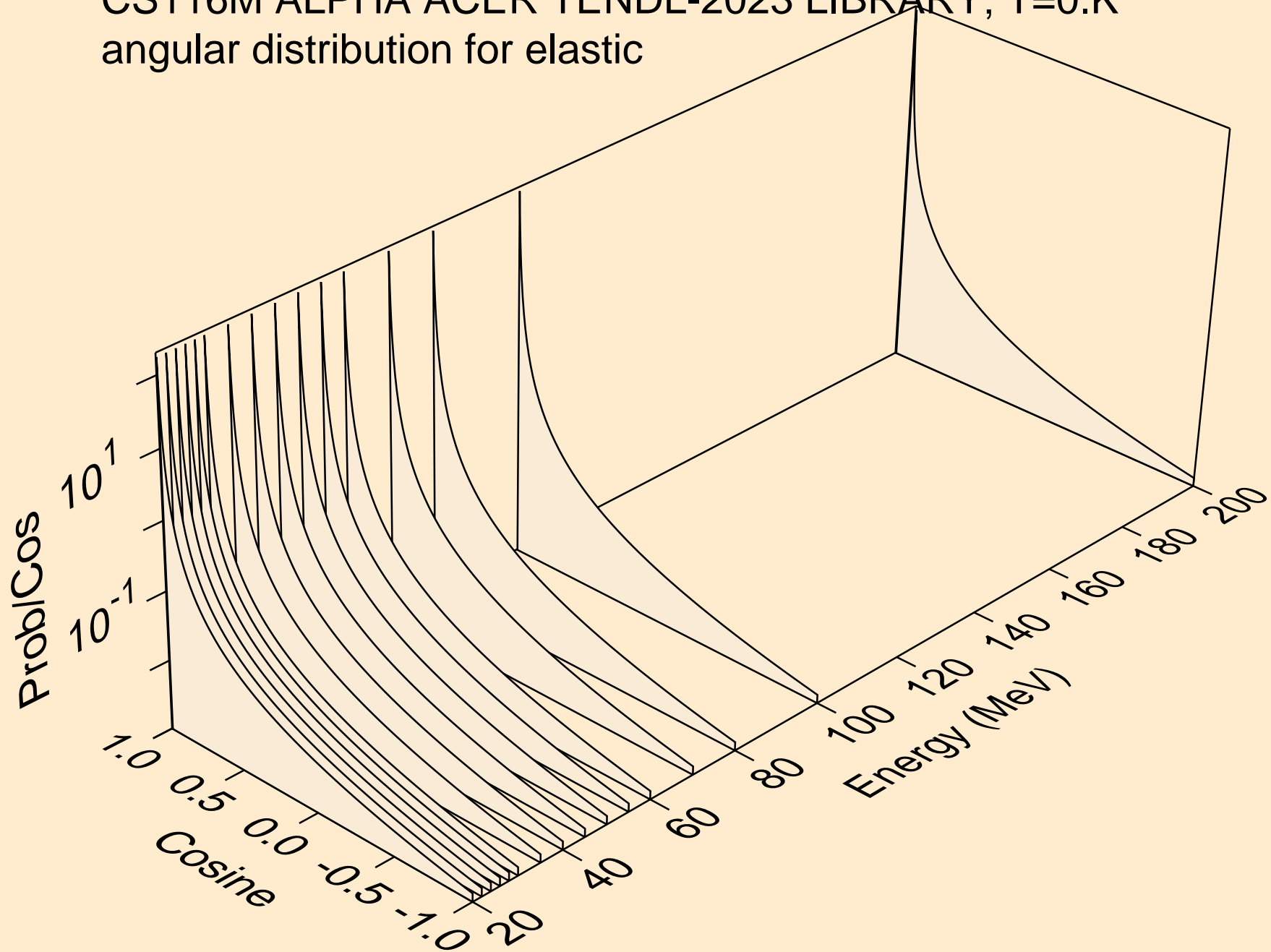
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



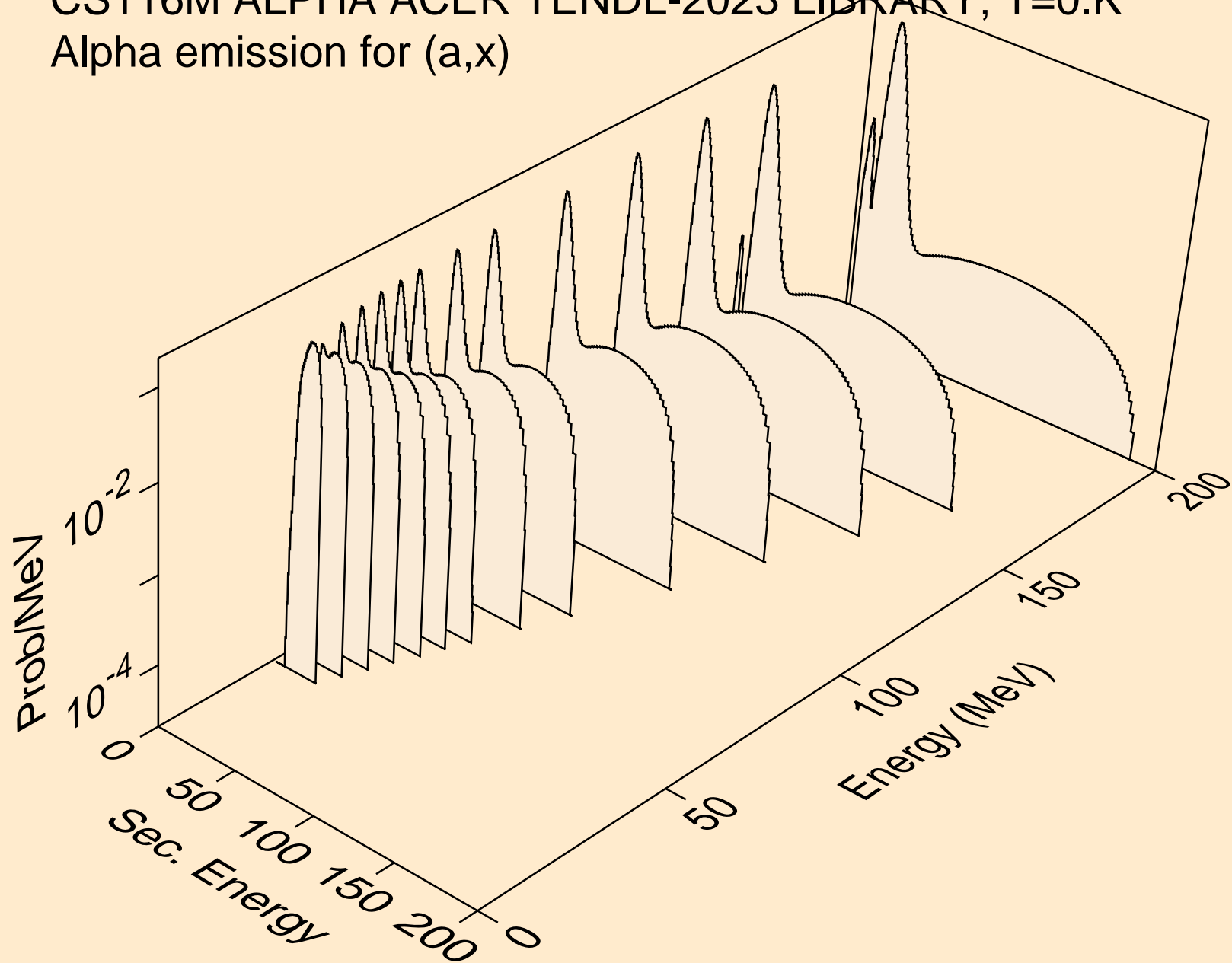
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



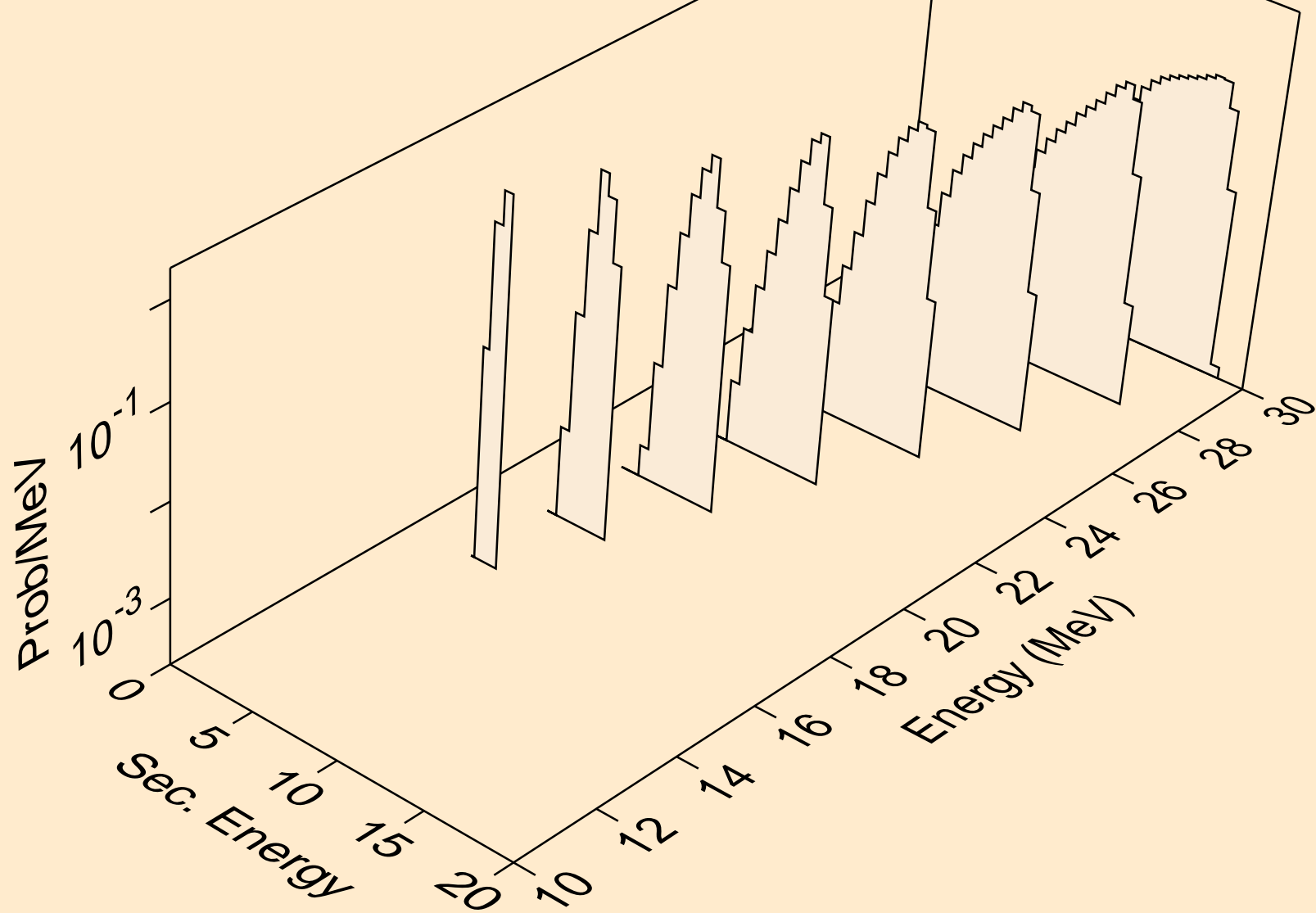
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



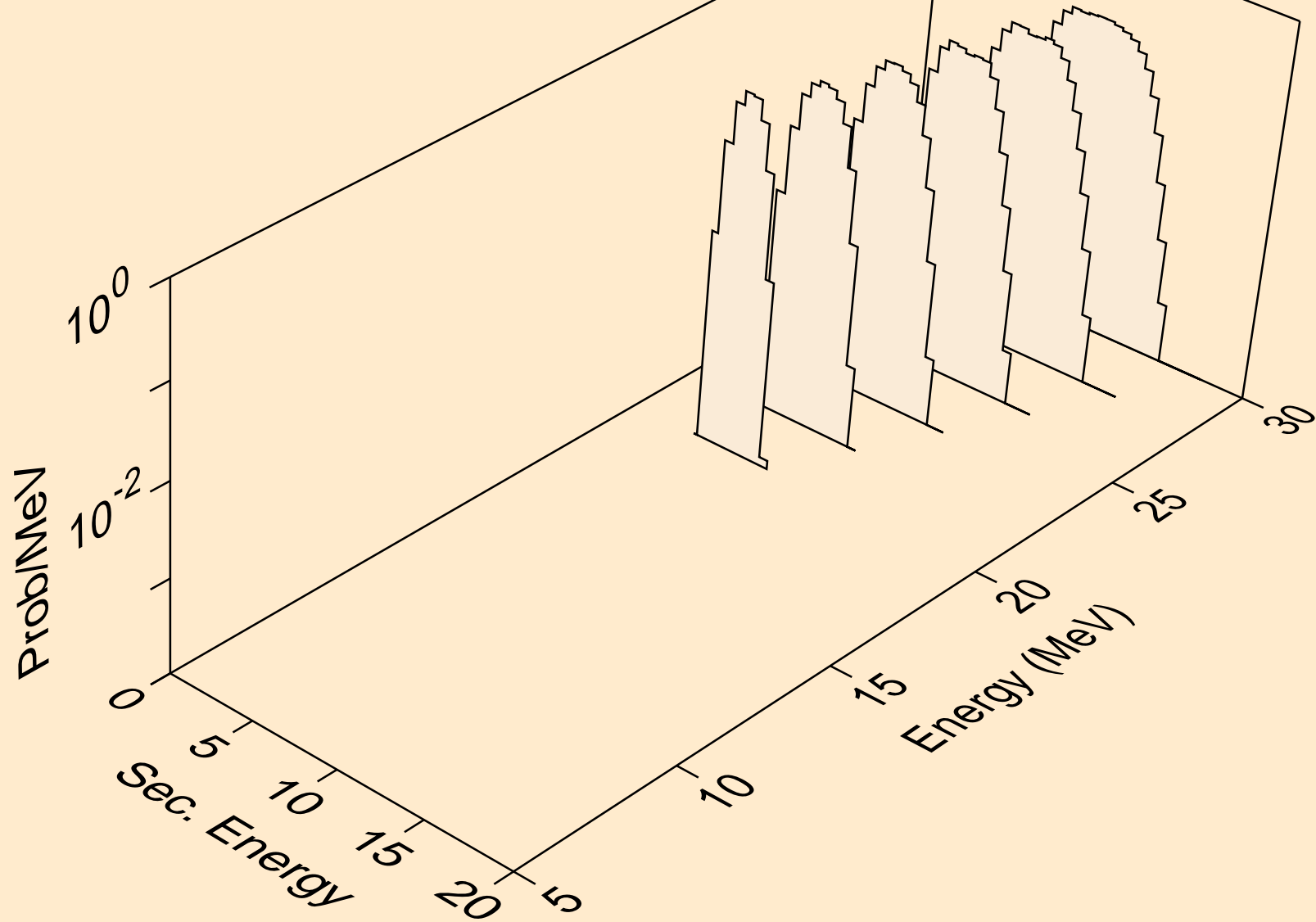
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,x)



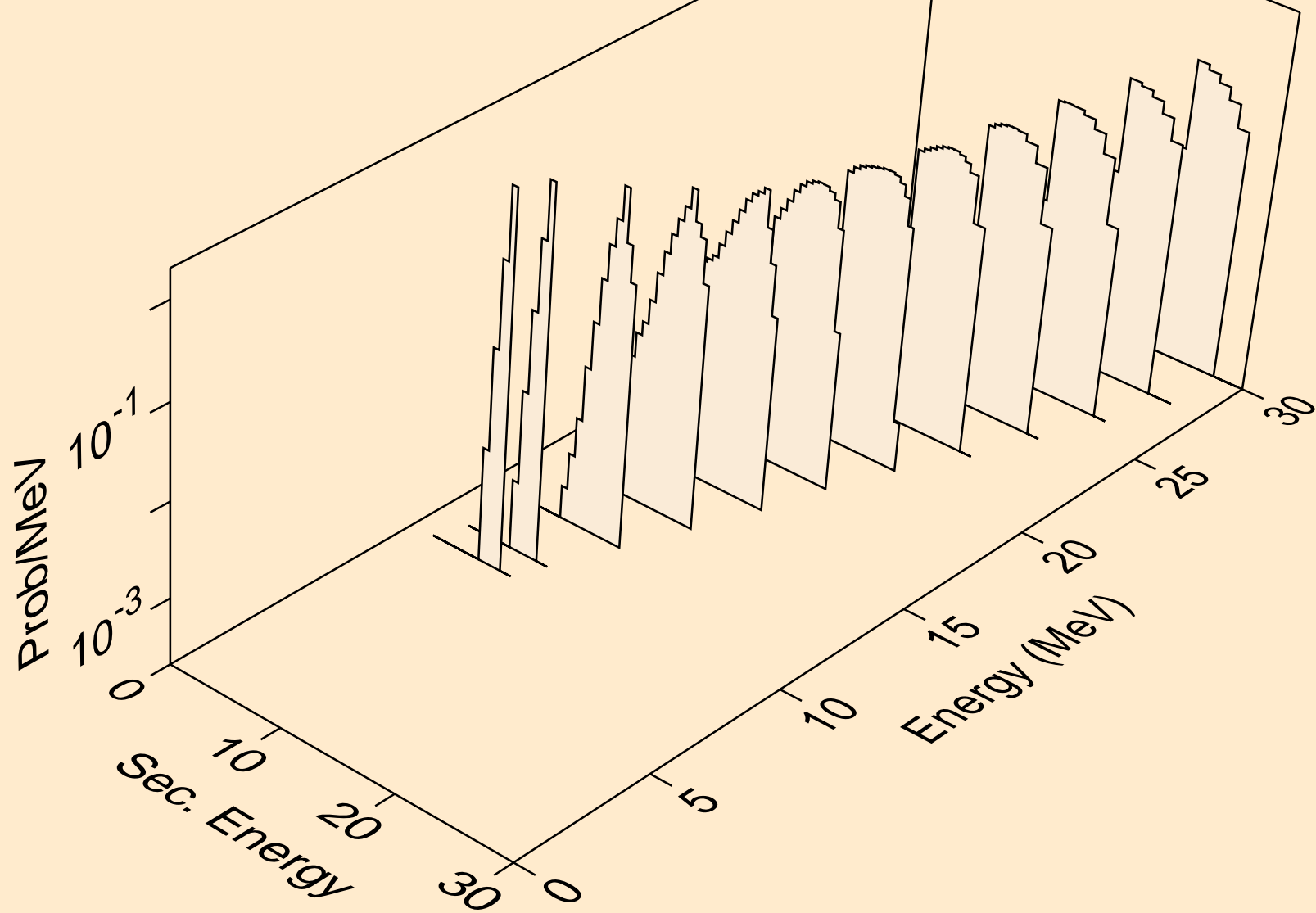
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a



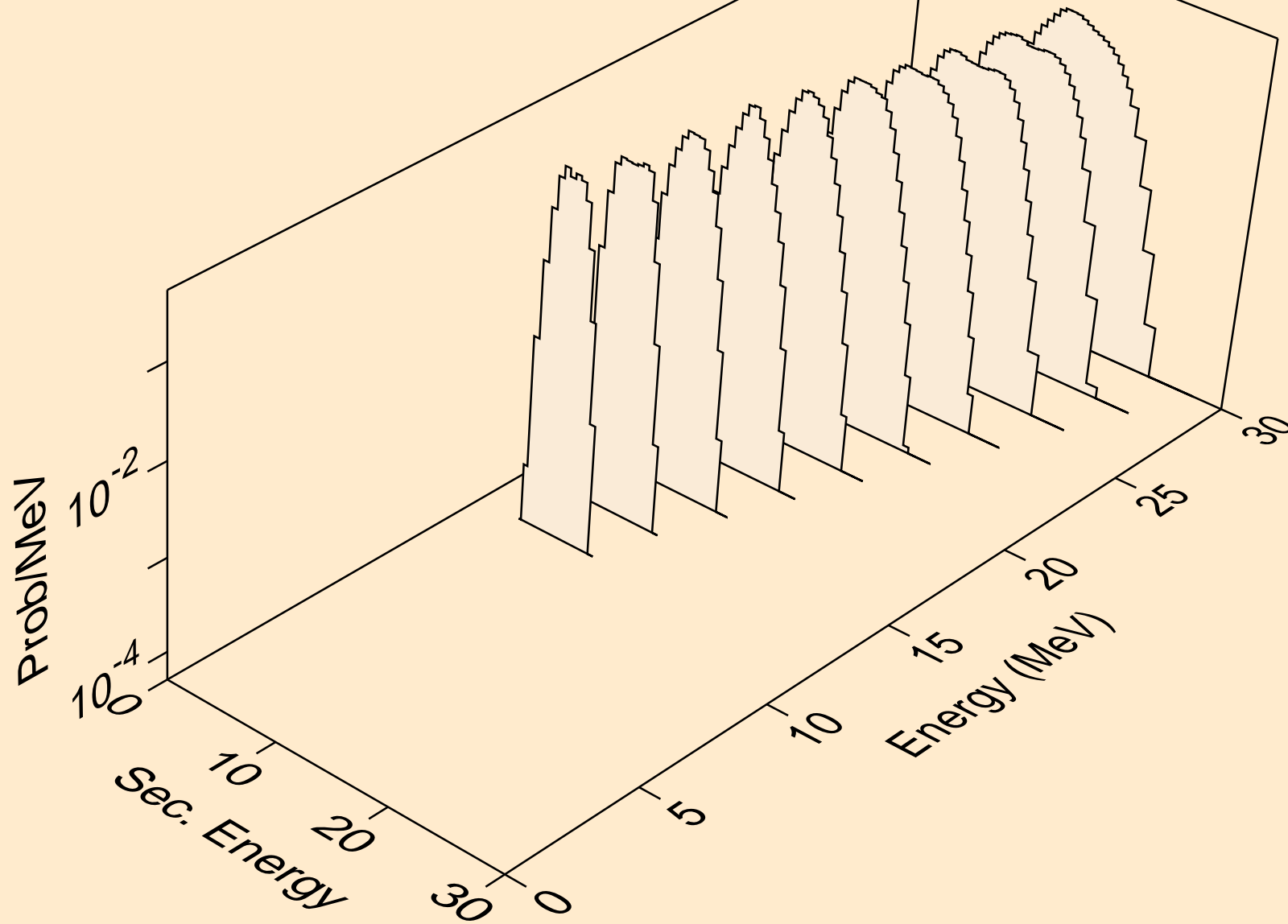
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,n\*)2a



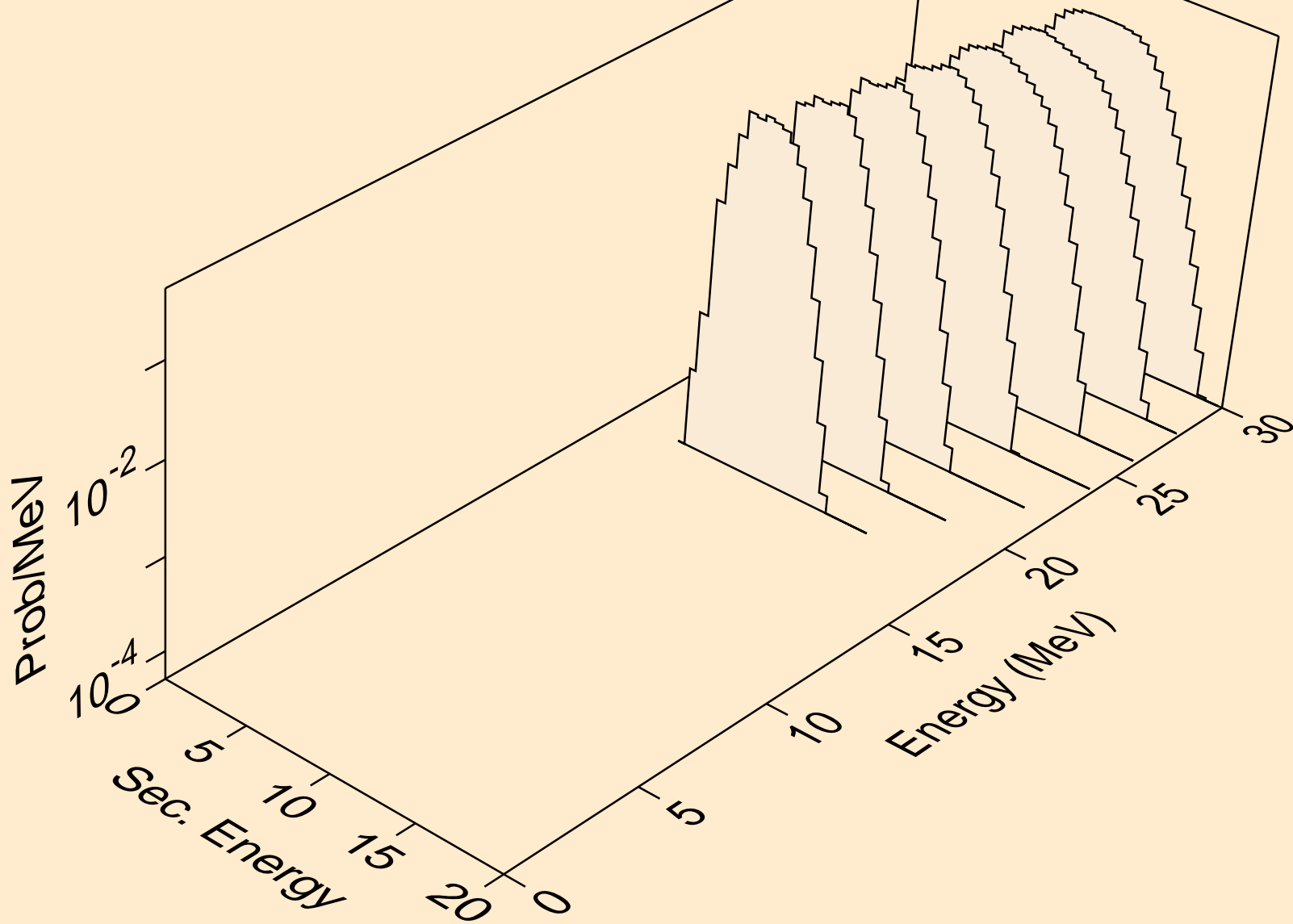
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for inelastic



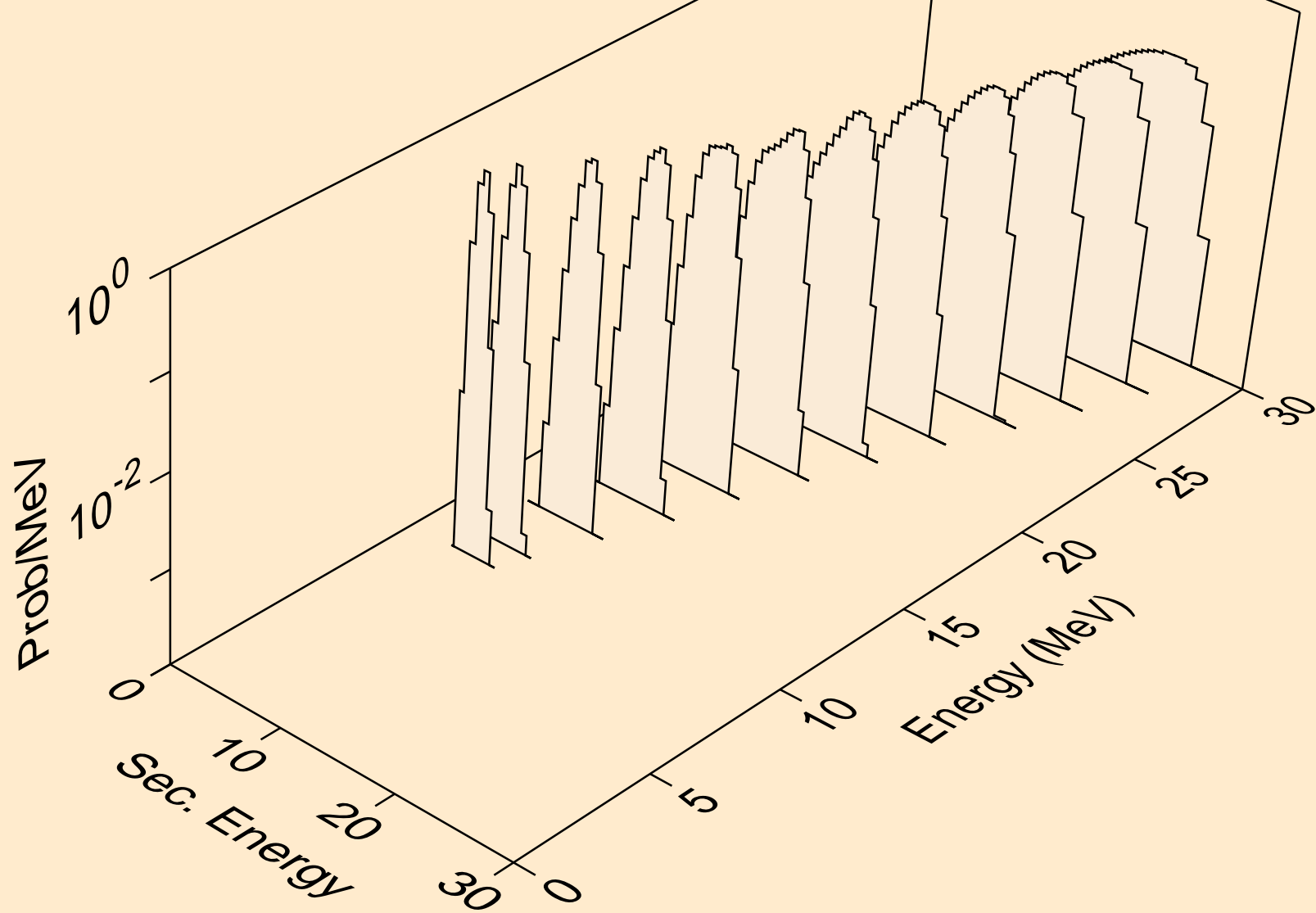
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2a)



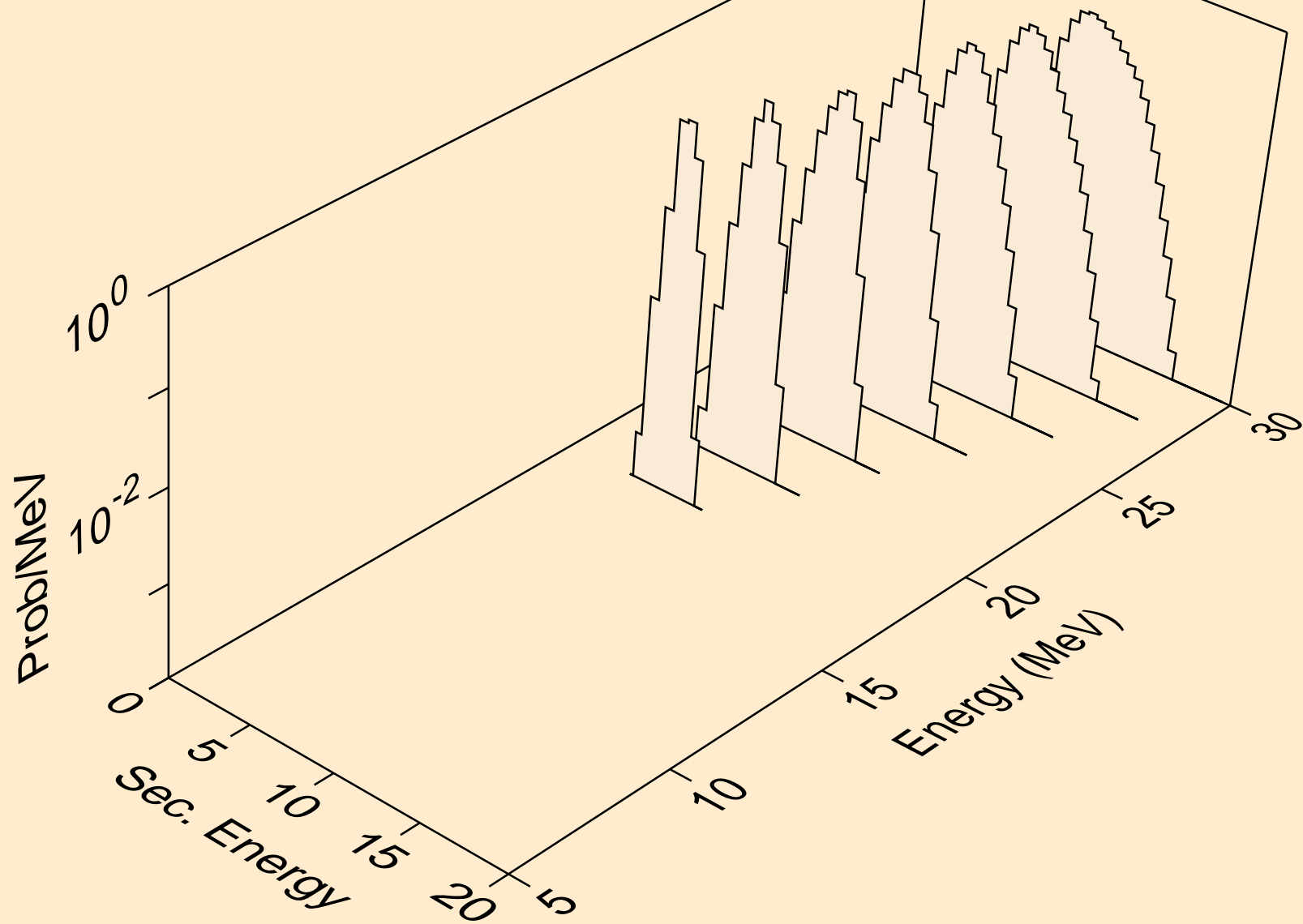
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,3a)



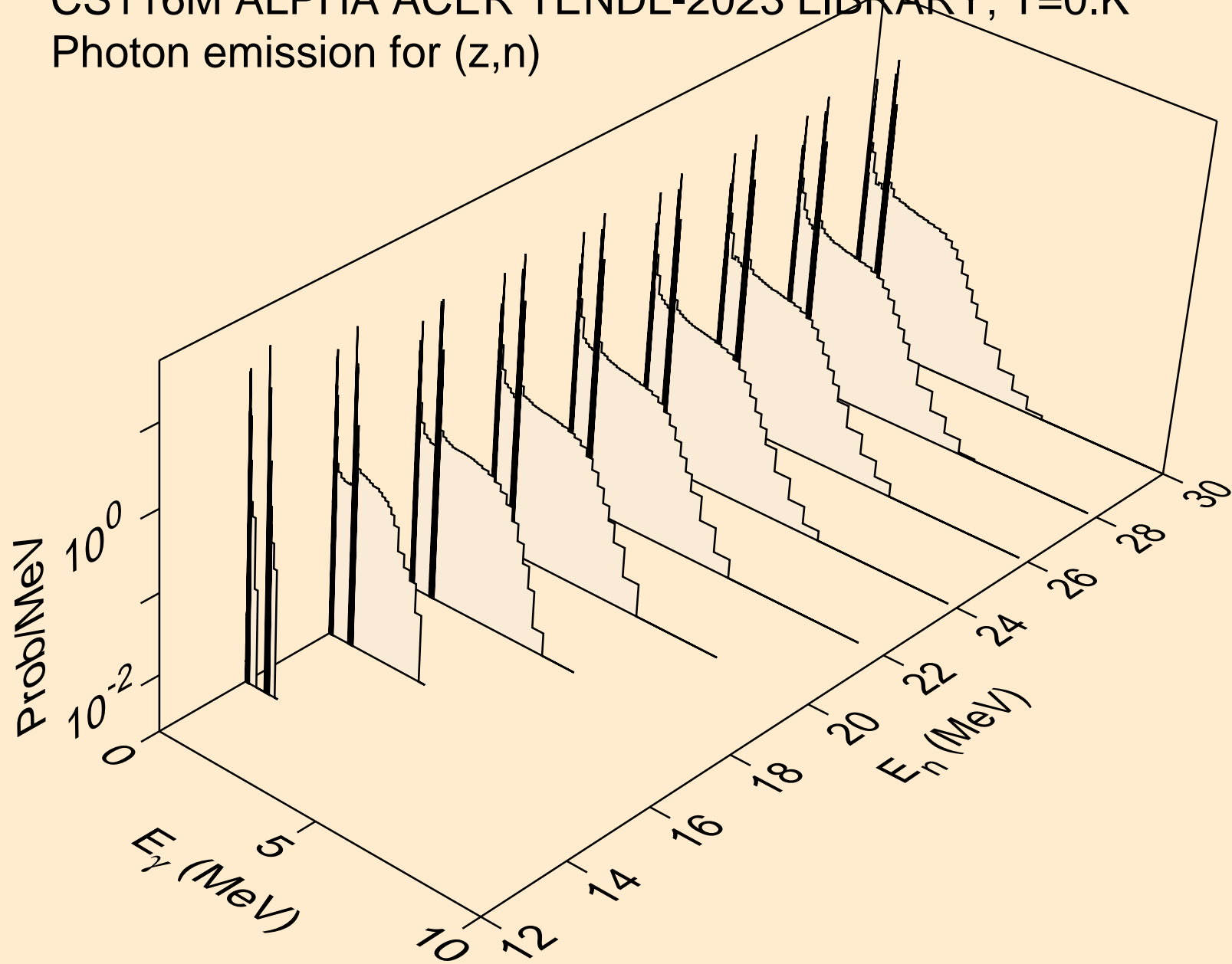
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,pa)



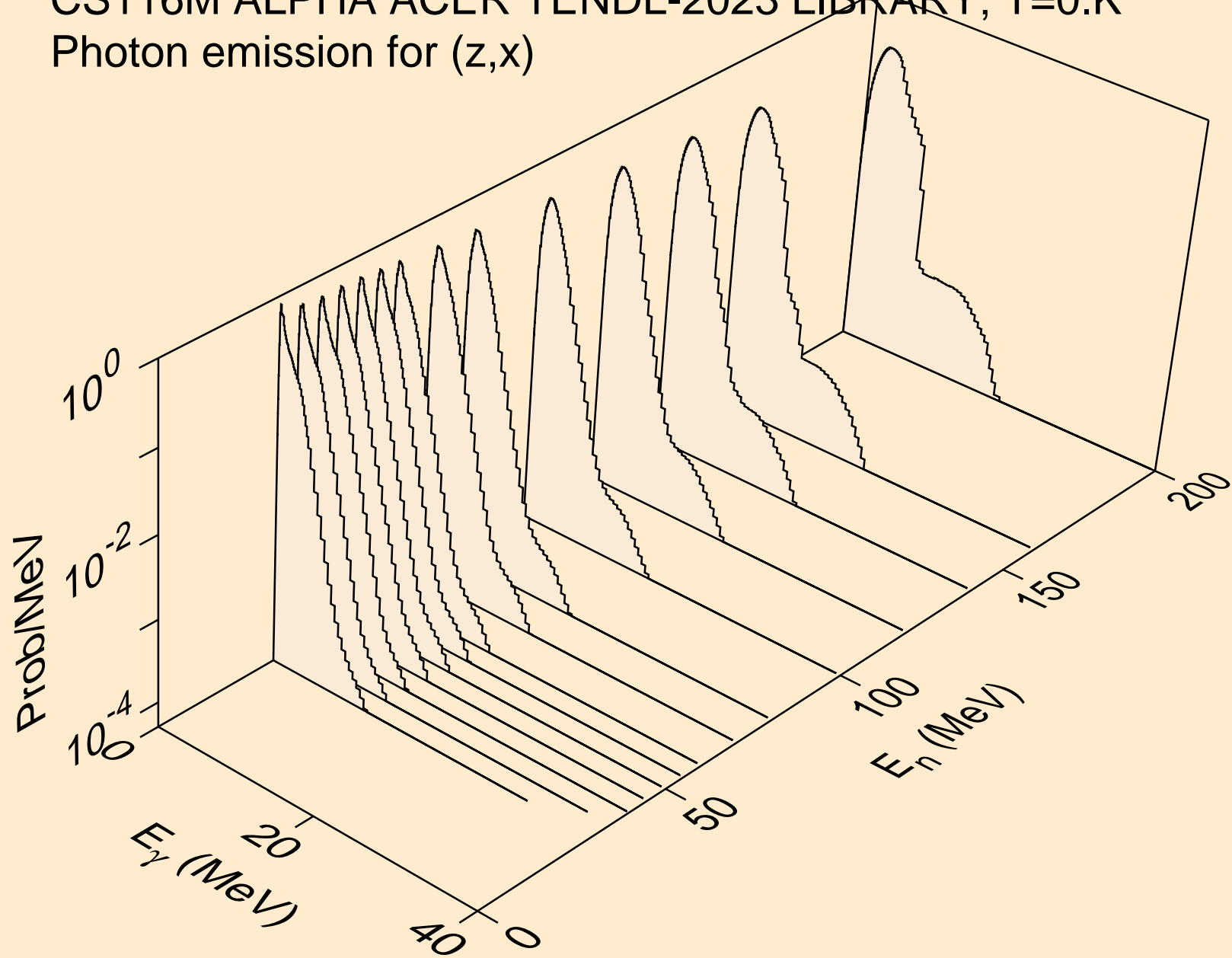
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,da)



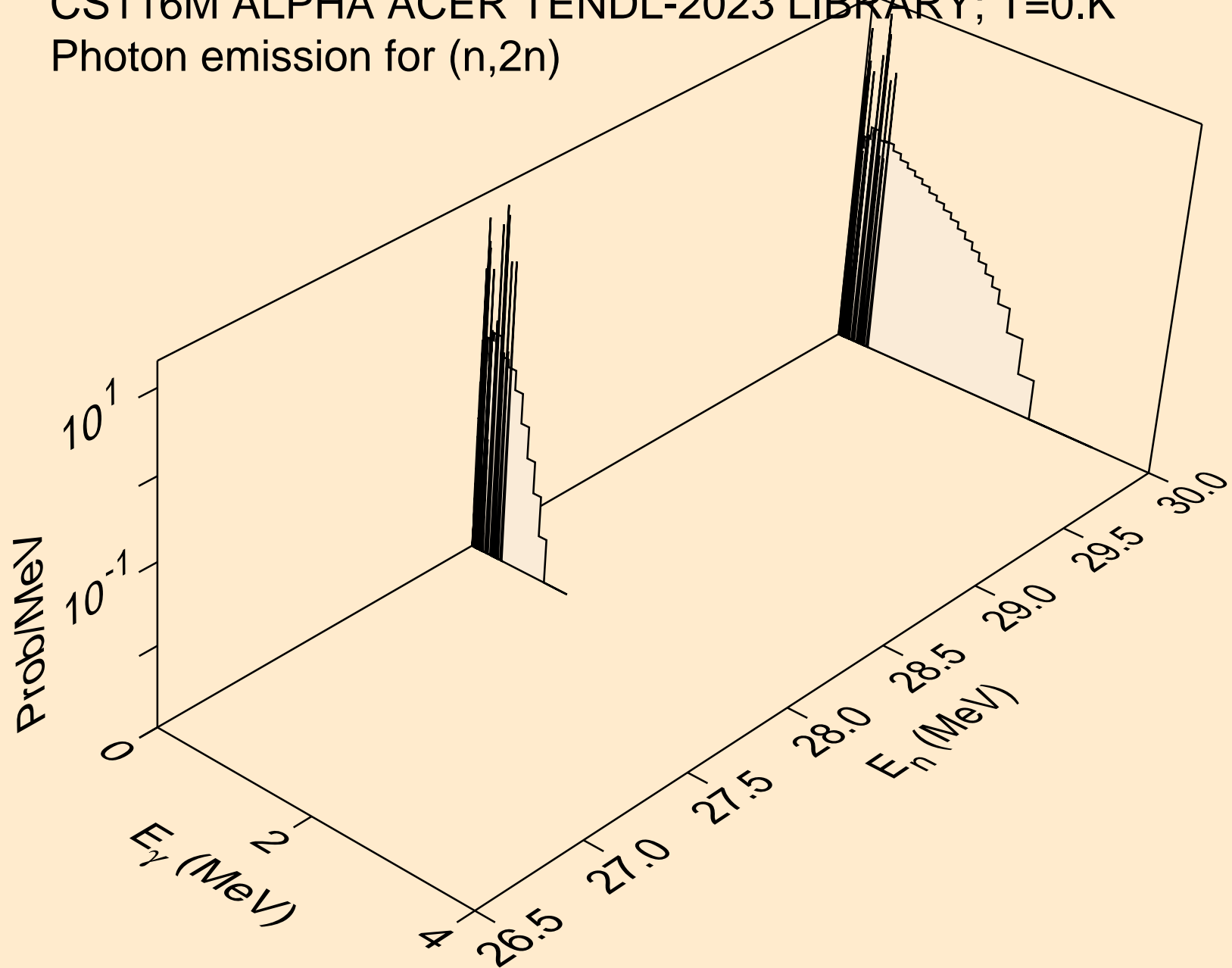
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



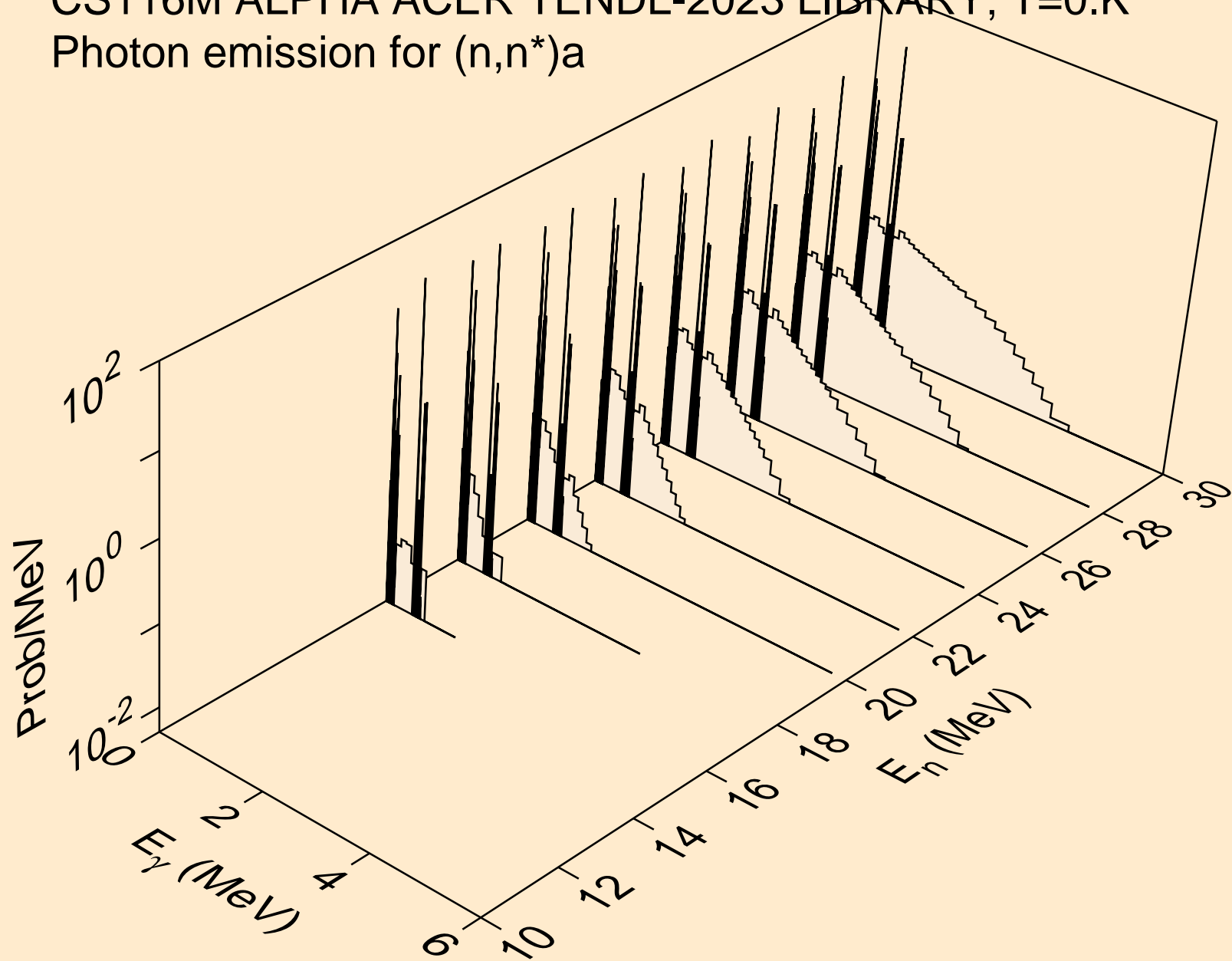
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



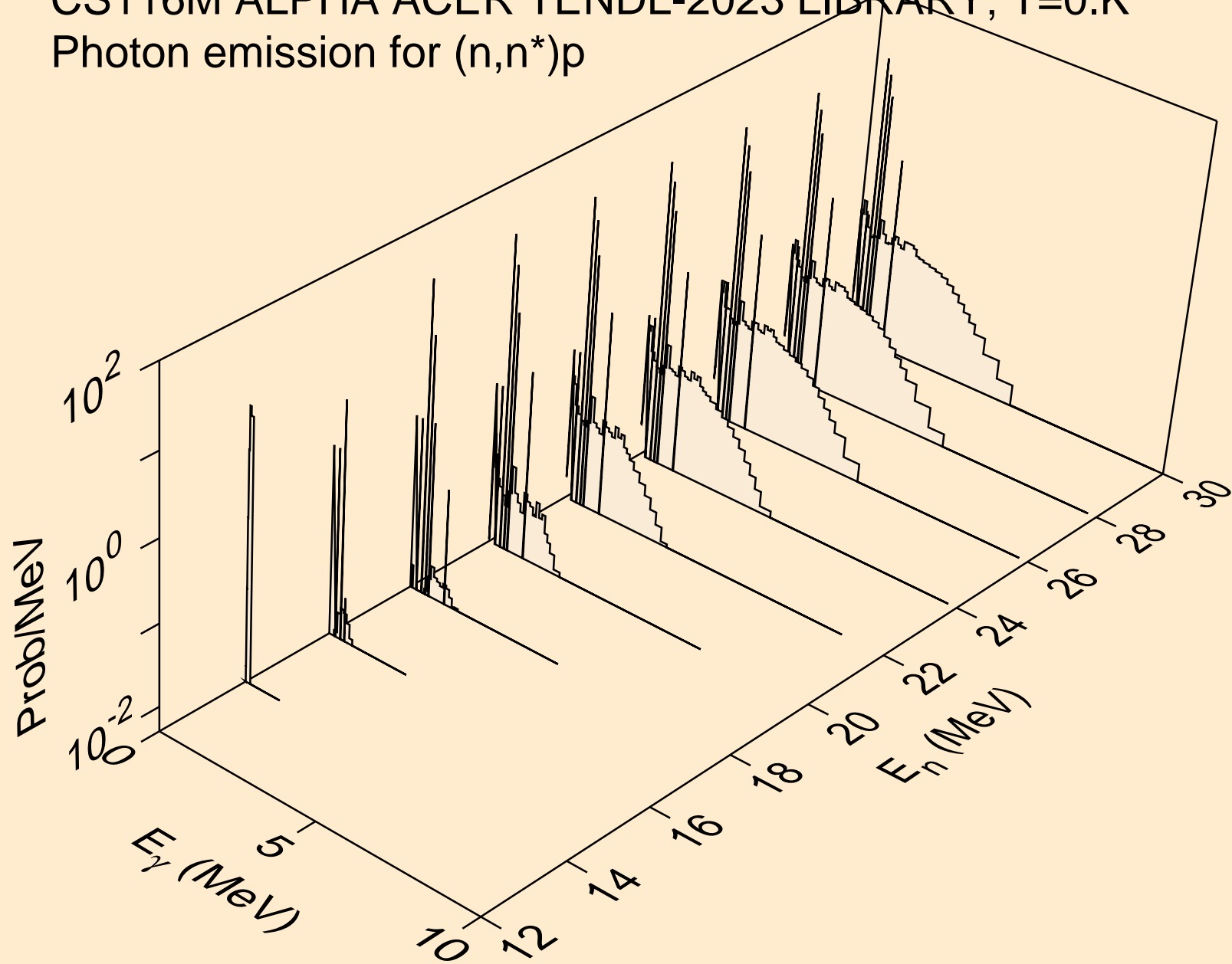
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



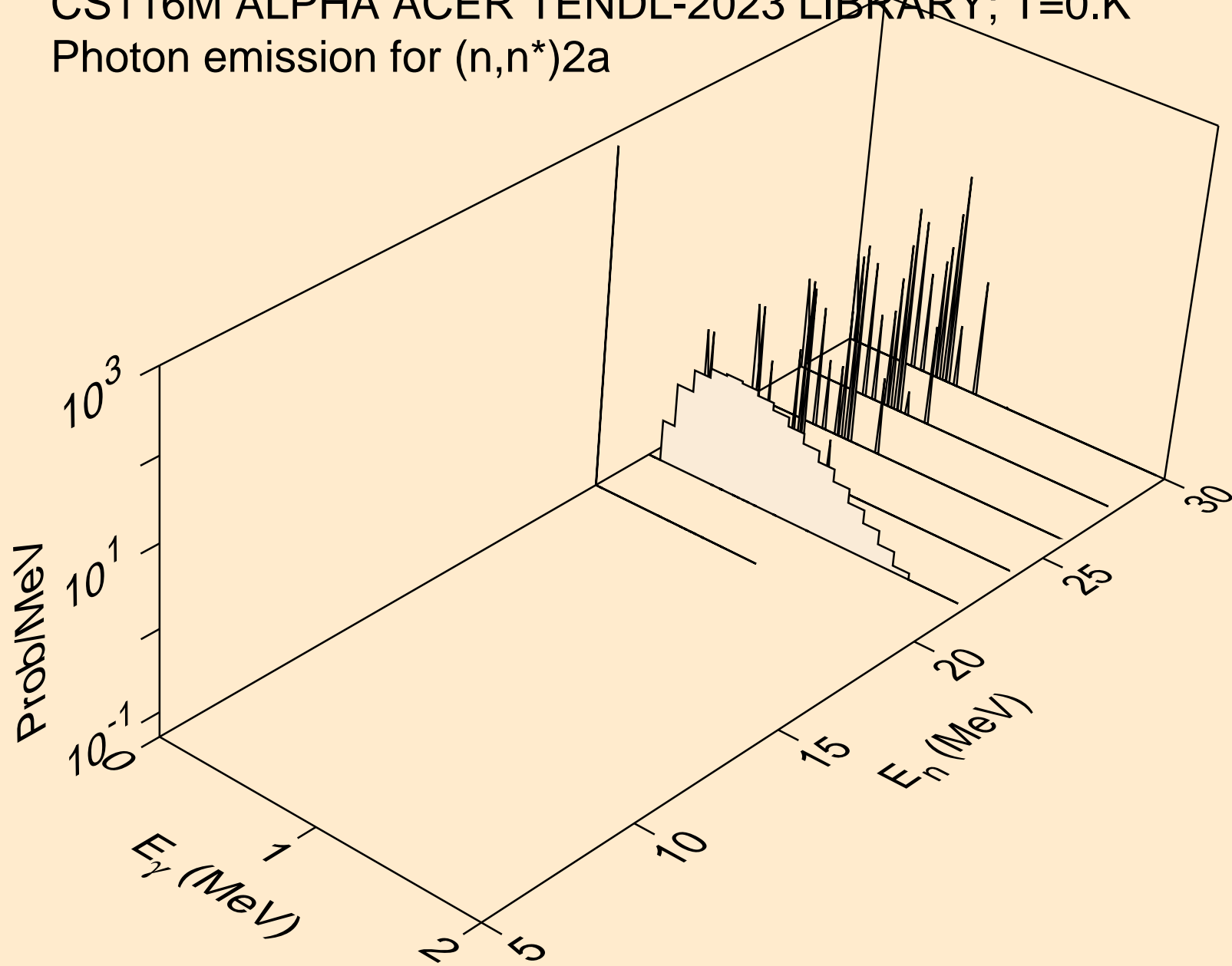
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



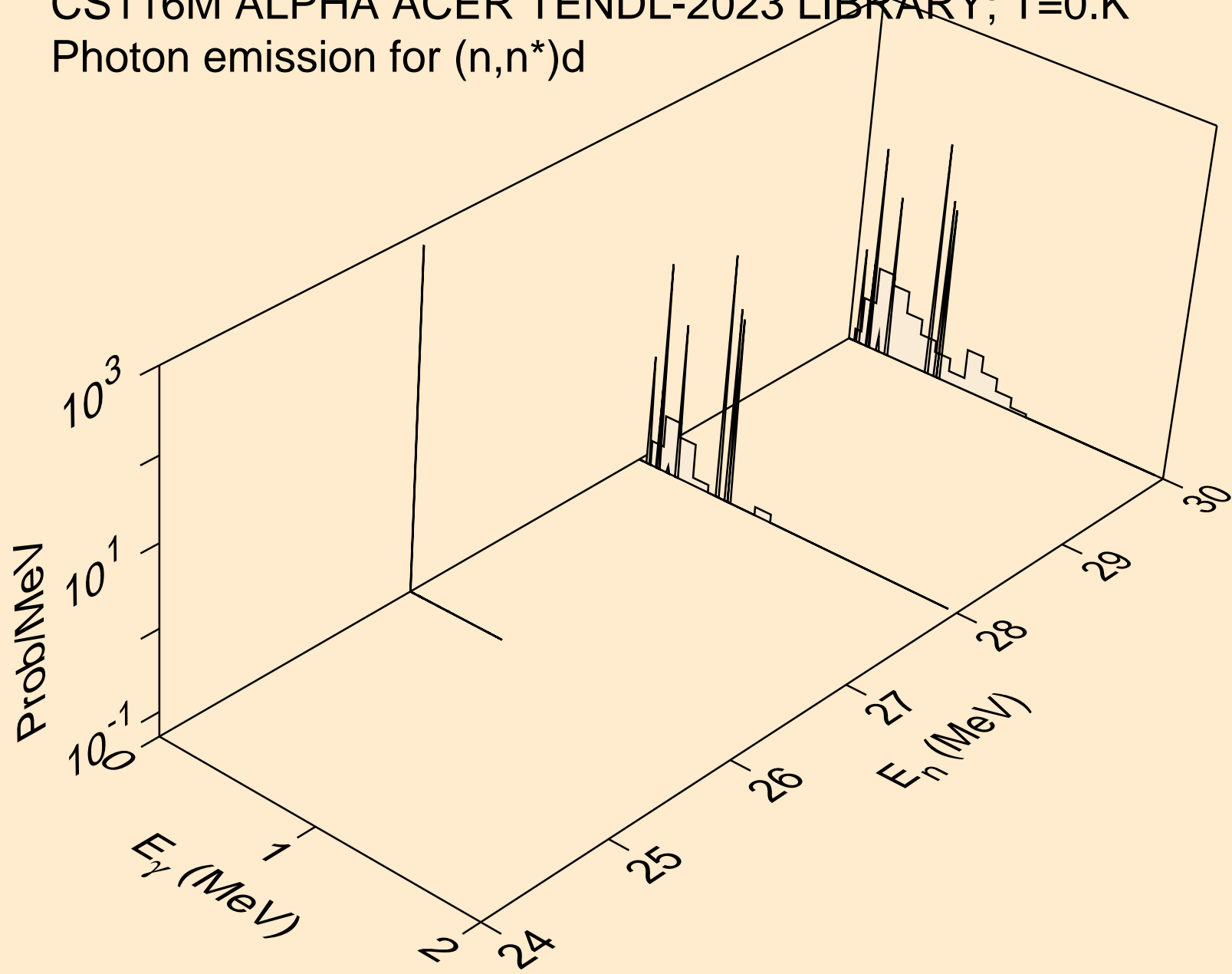
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



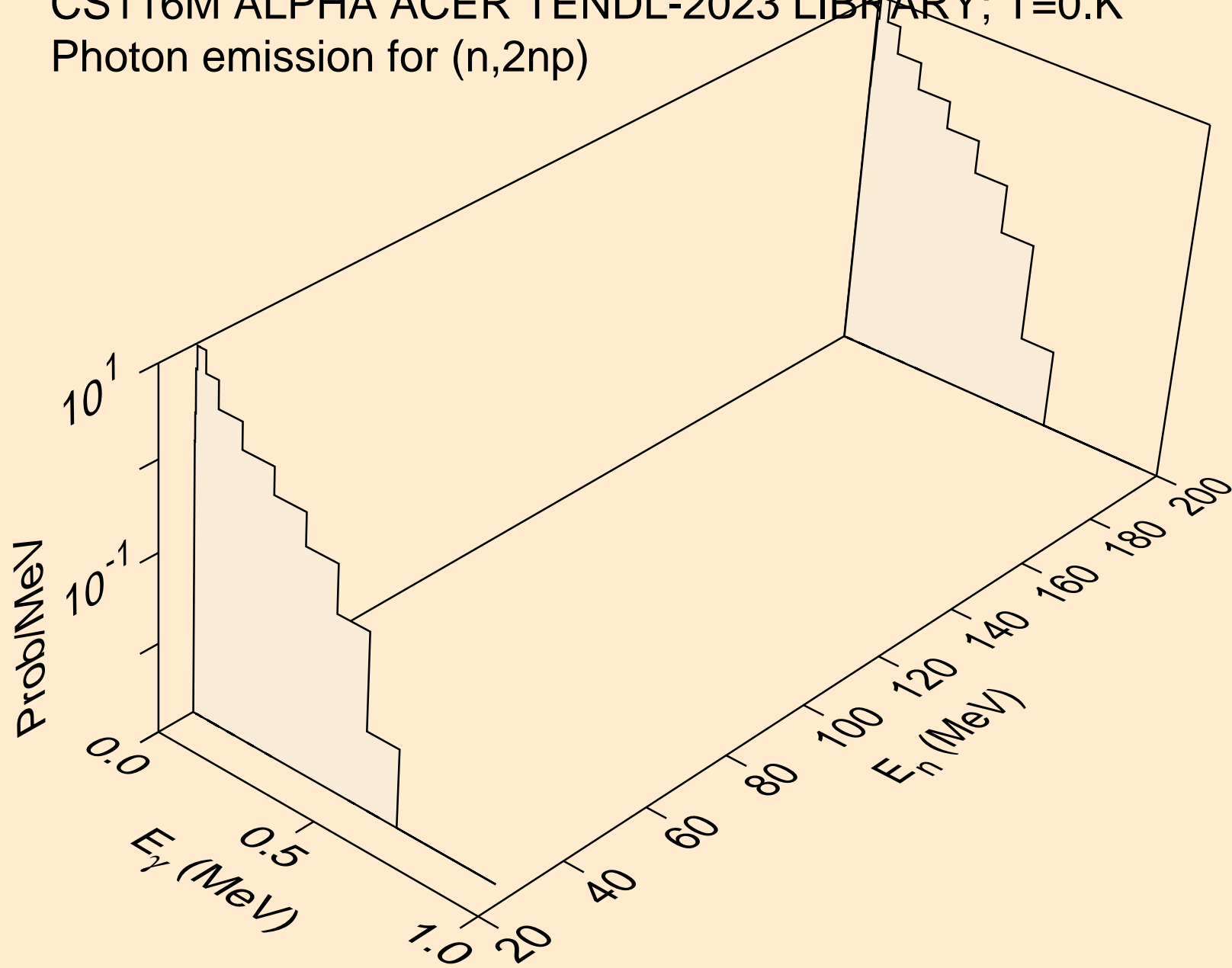
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



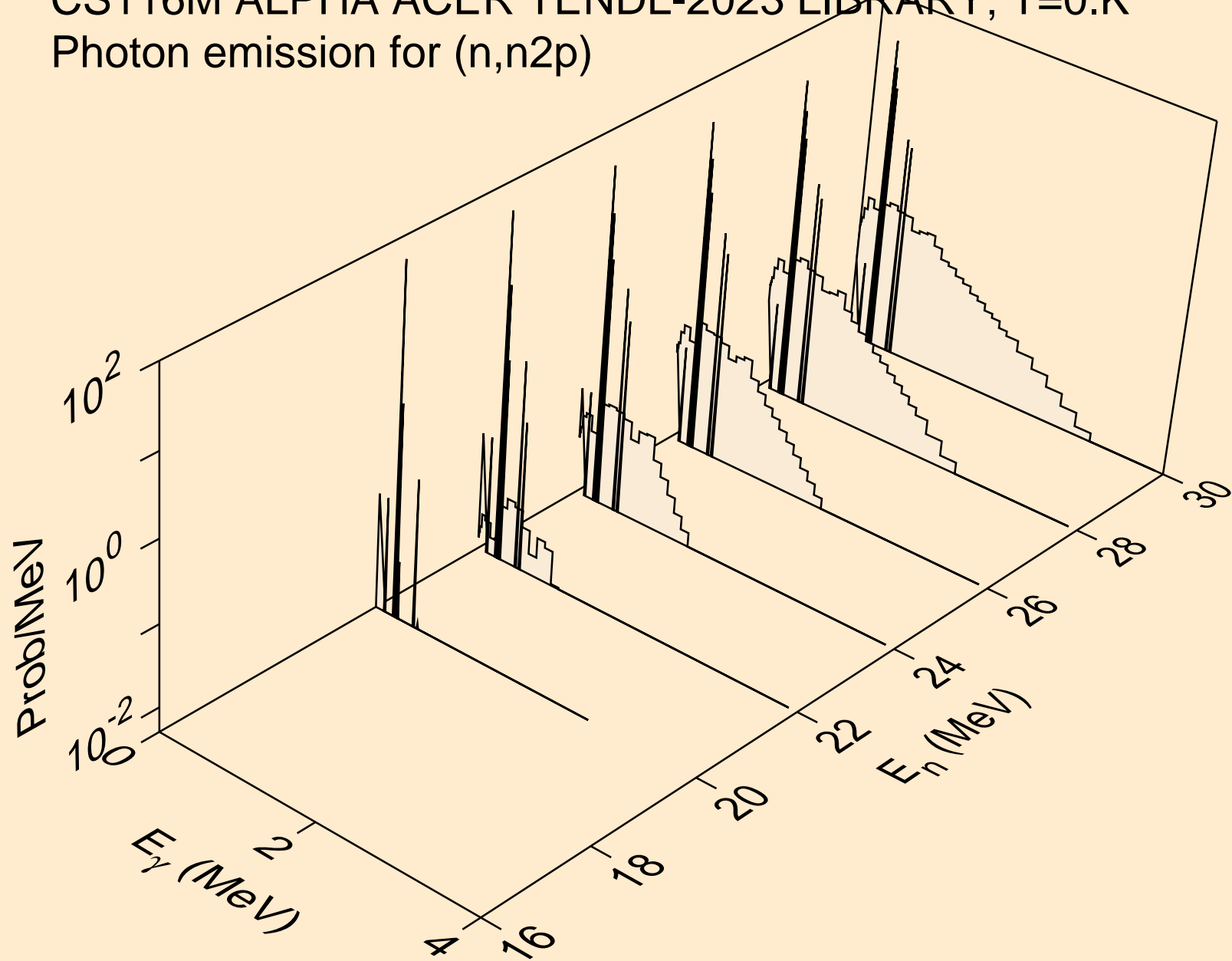
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



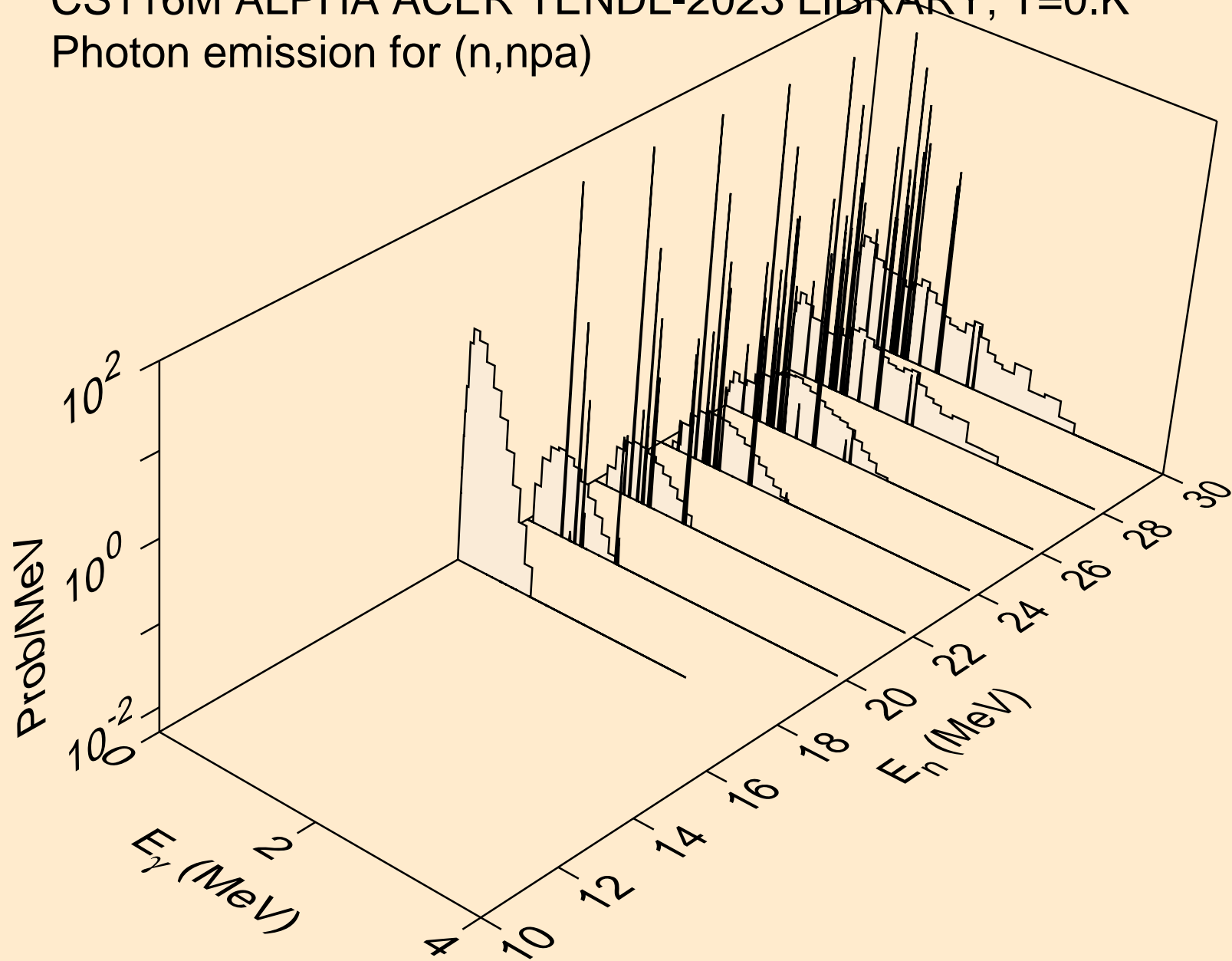
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



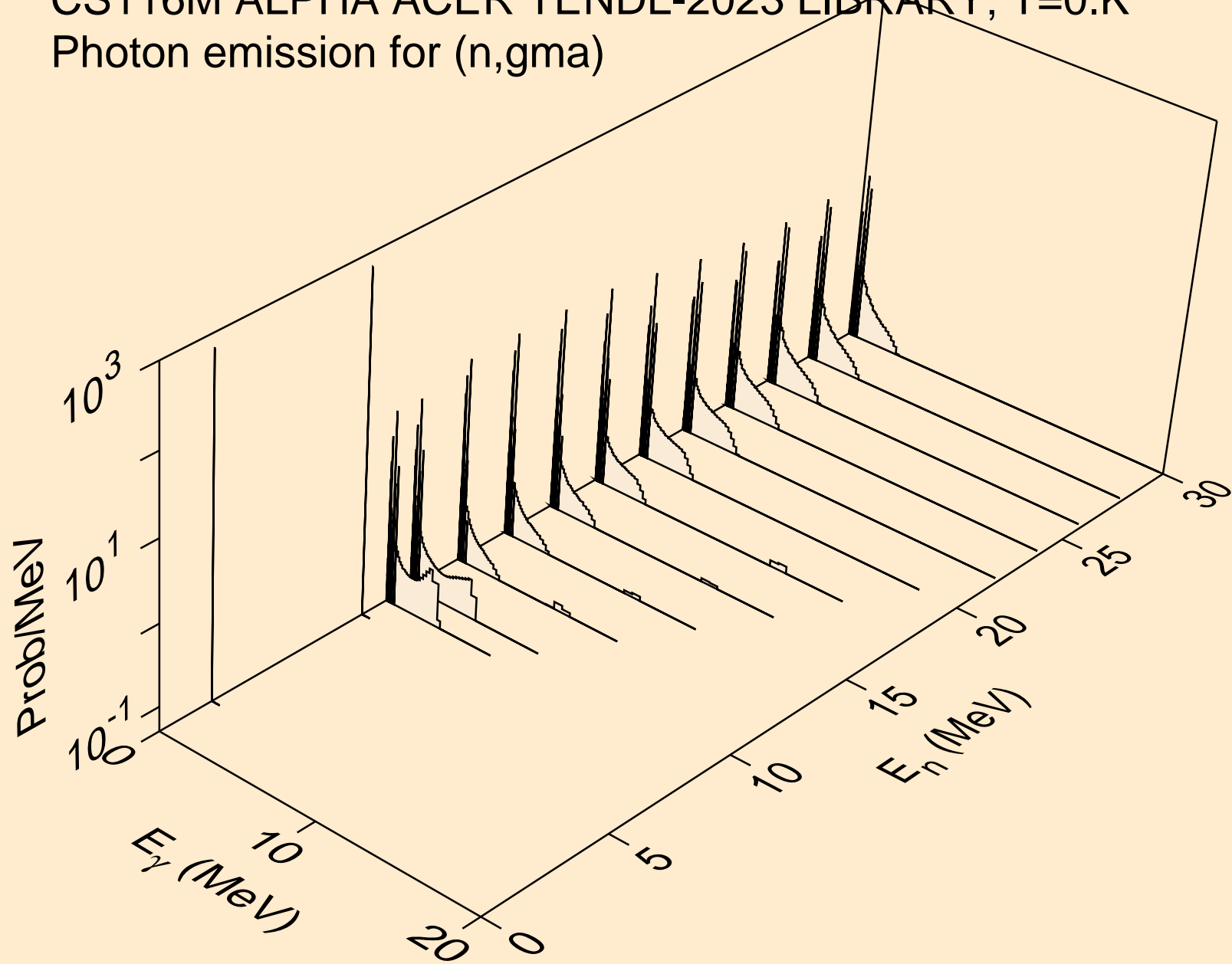
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



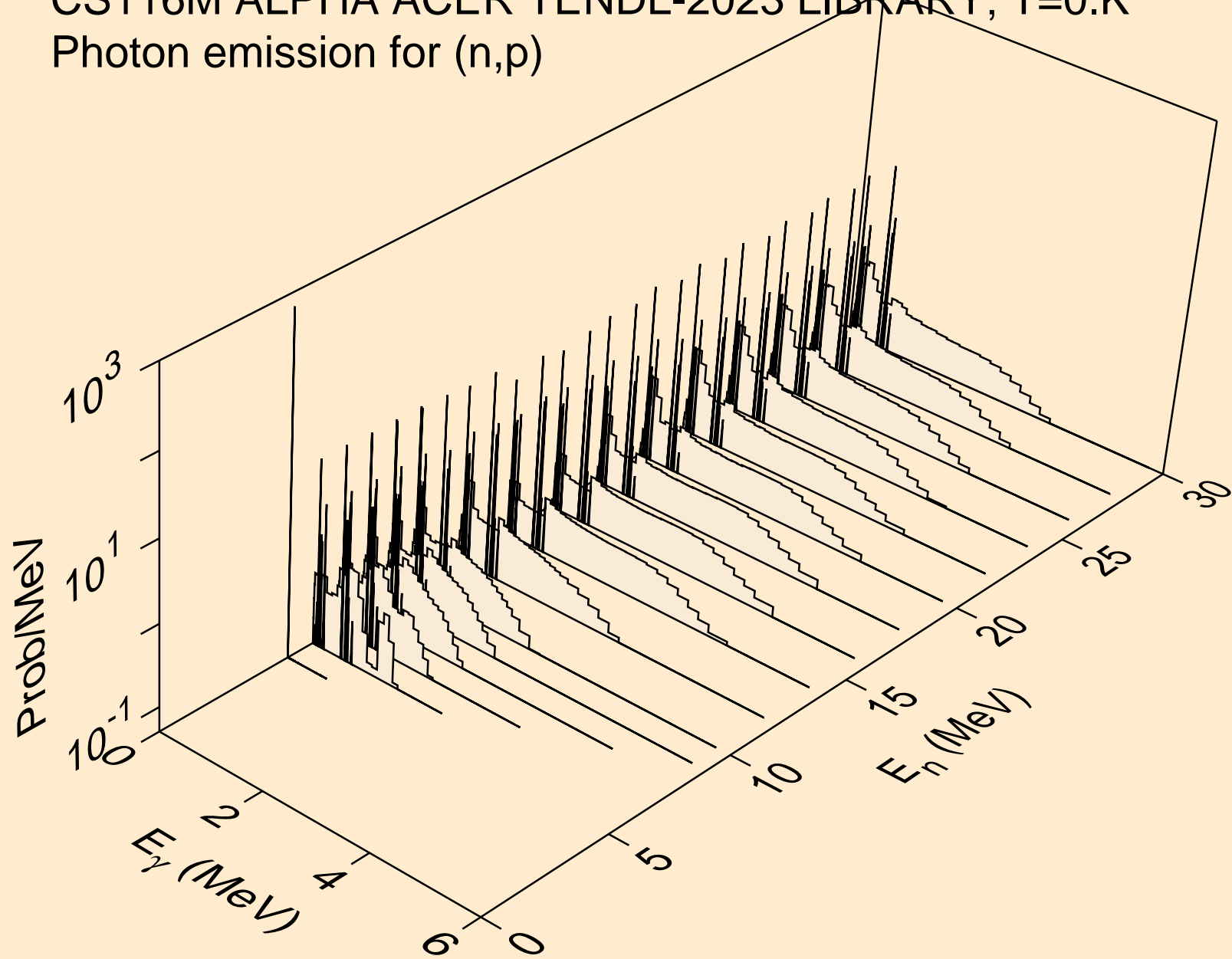
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



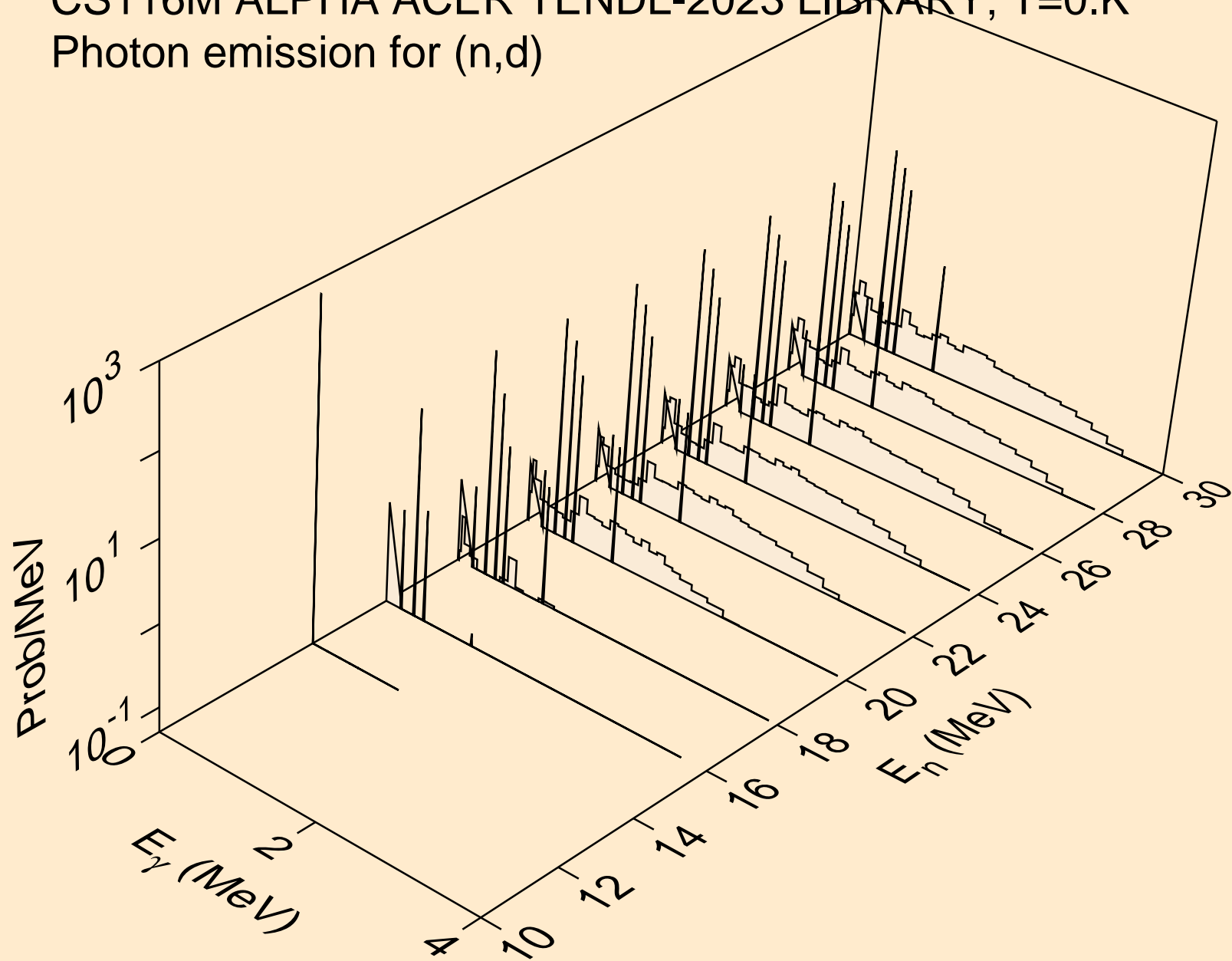
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



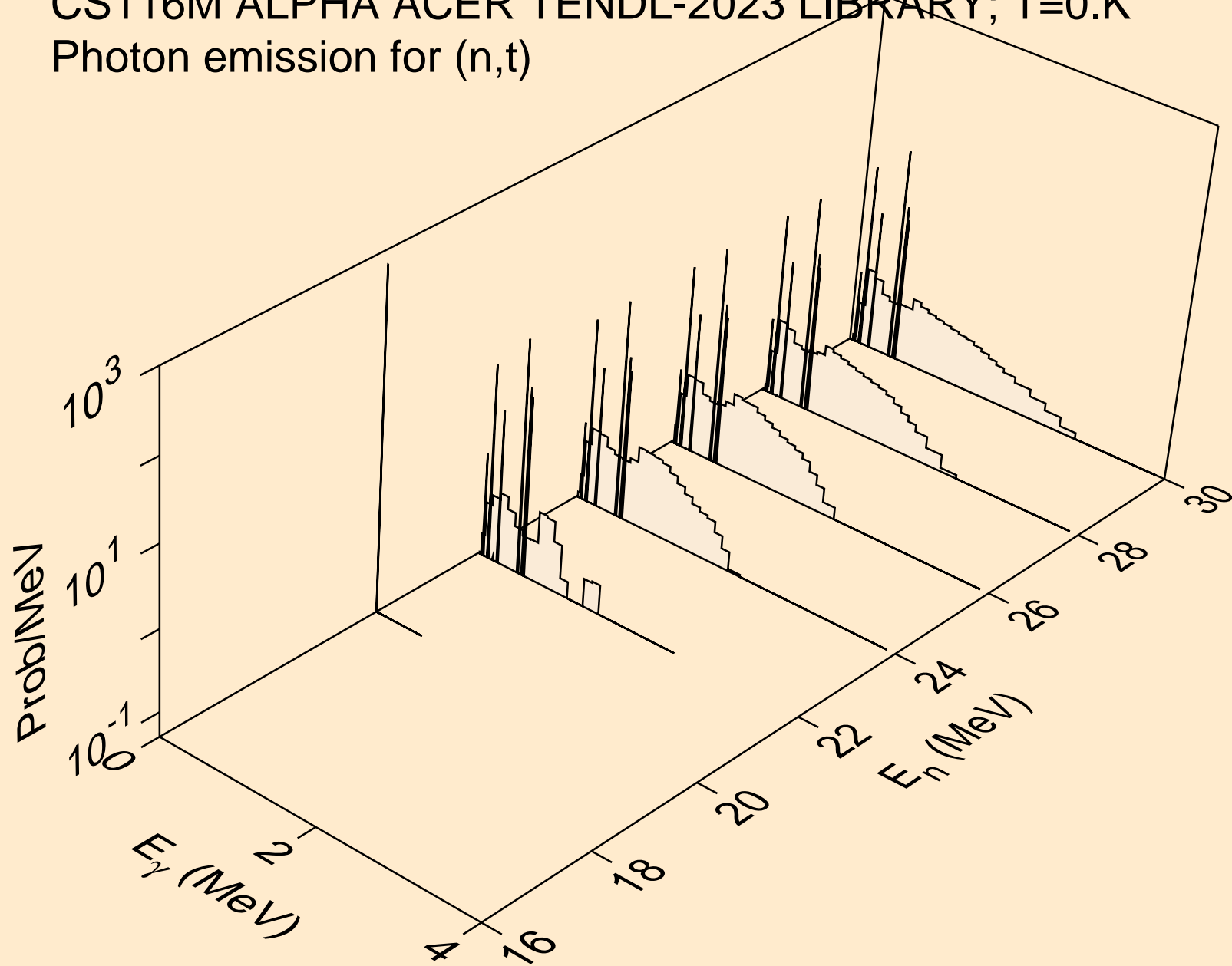
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



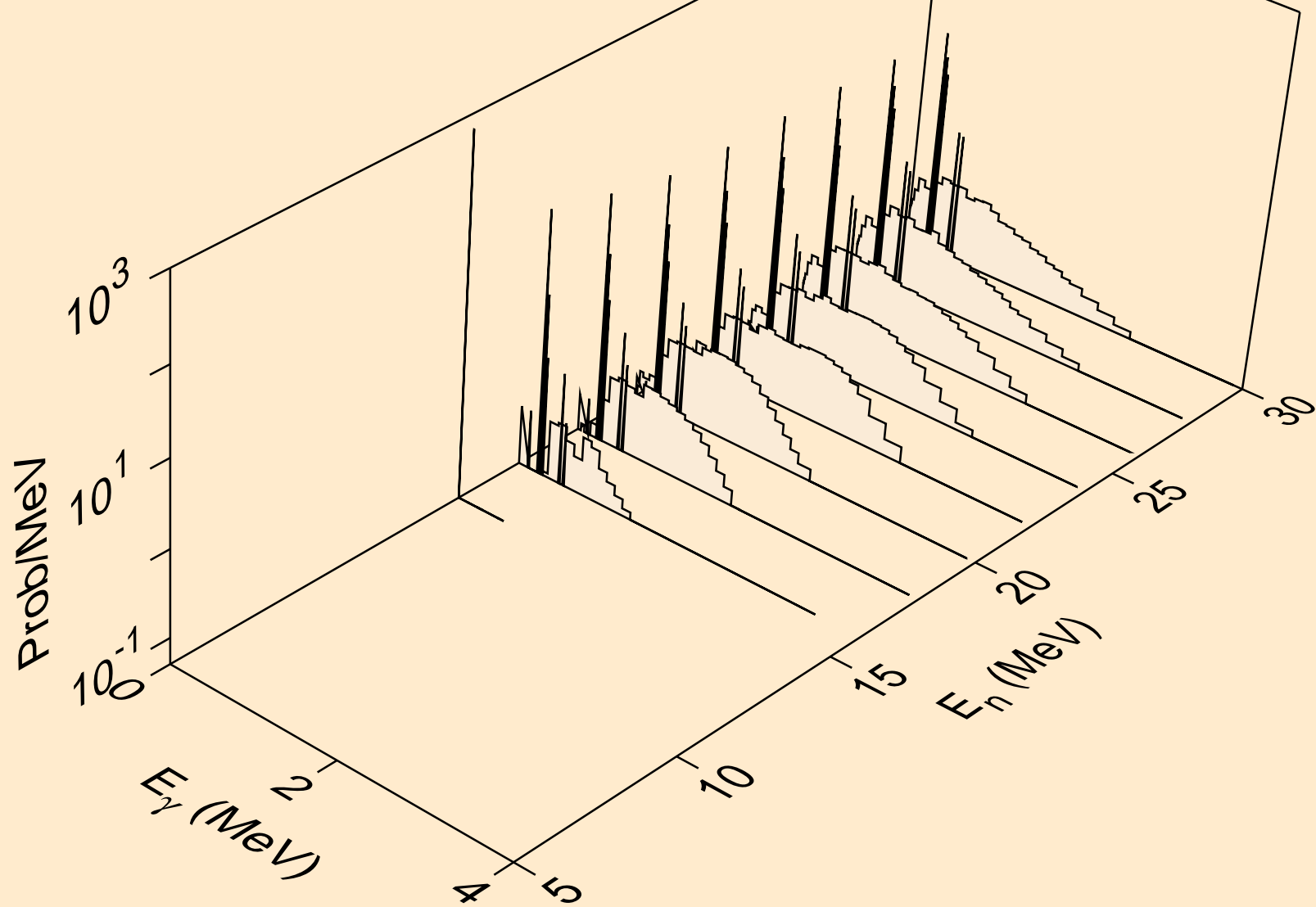
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



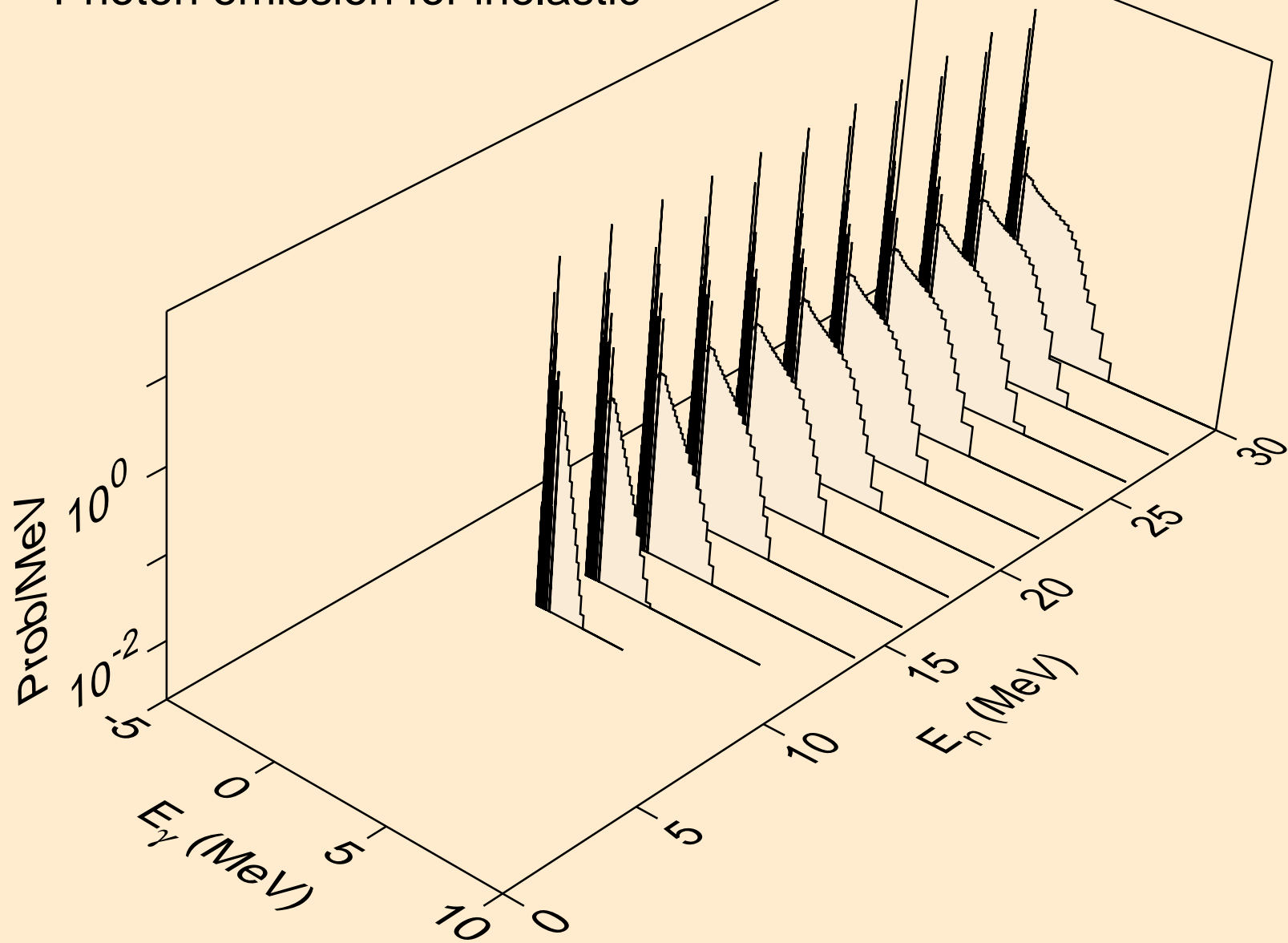
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



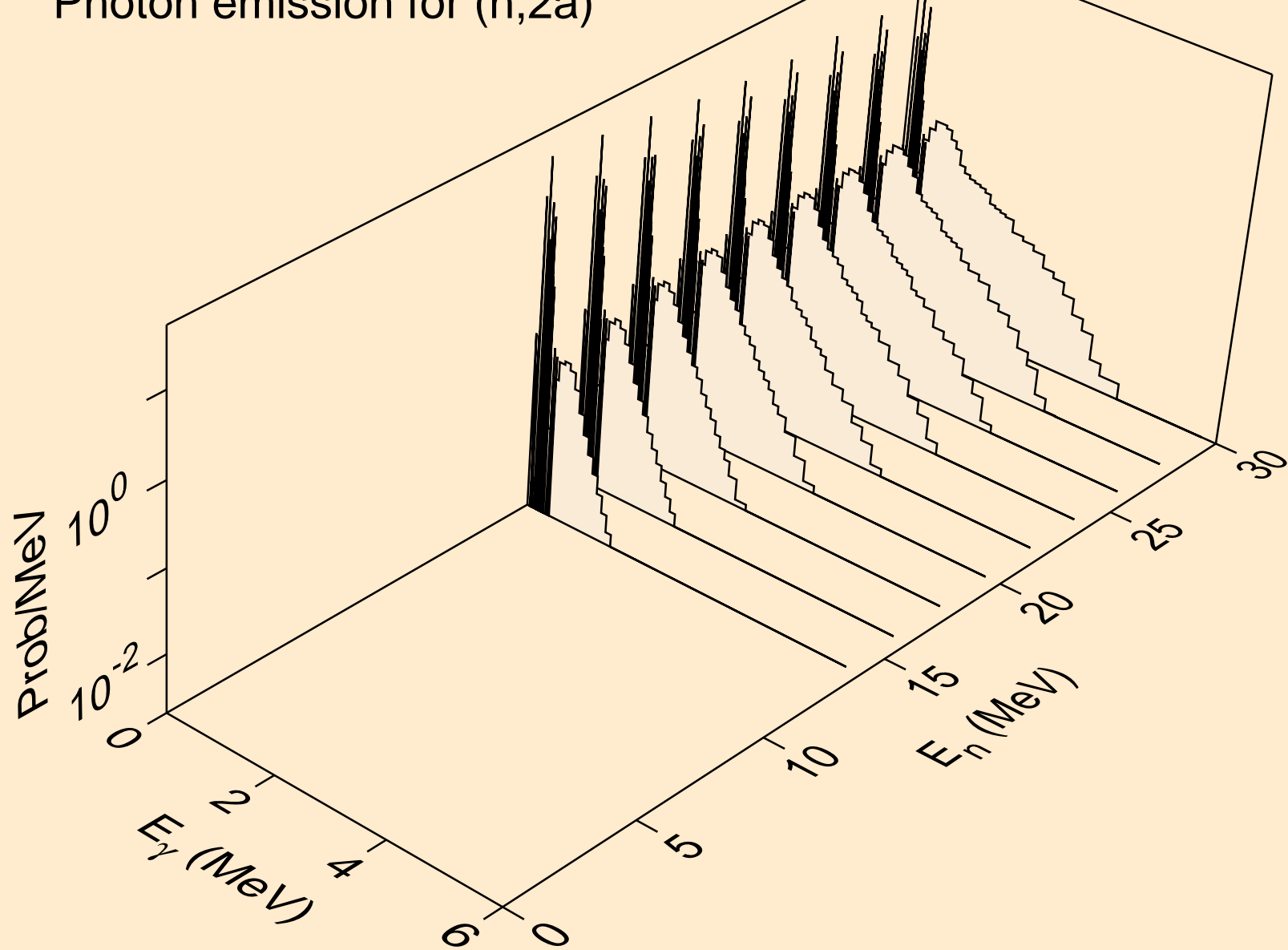
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



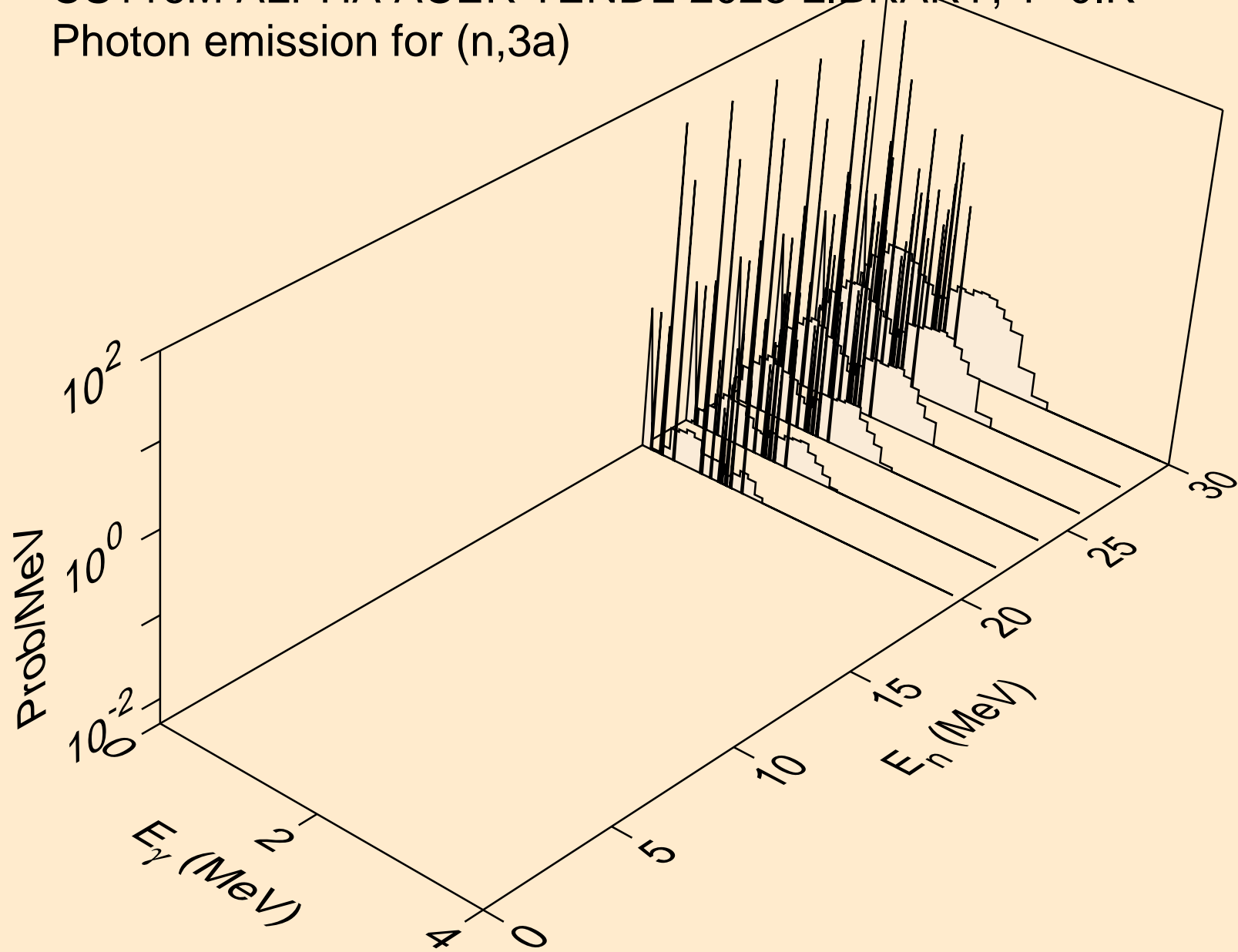
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



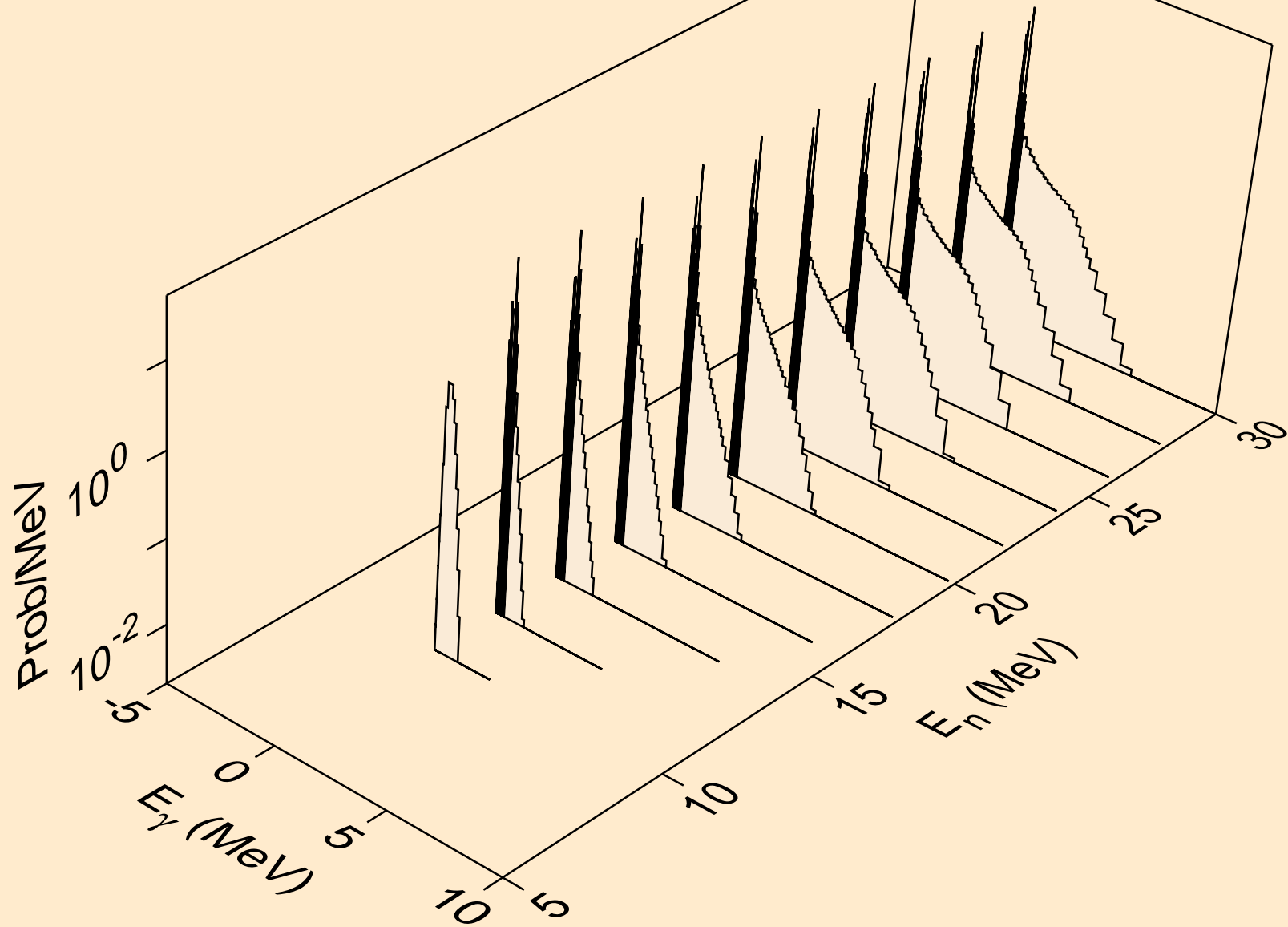
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



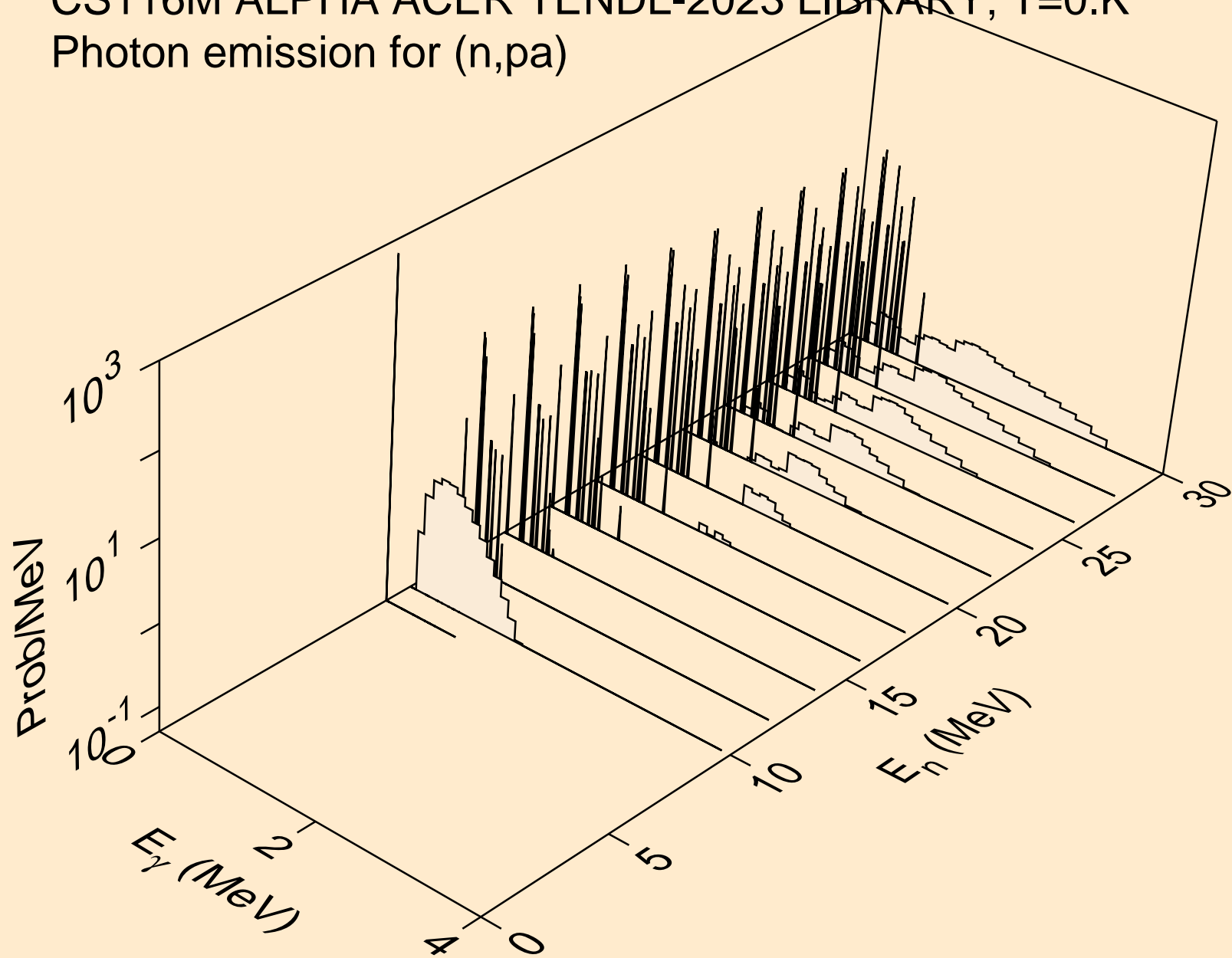
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)



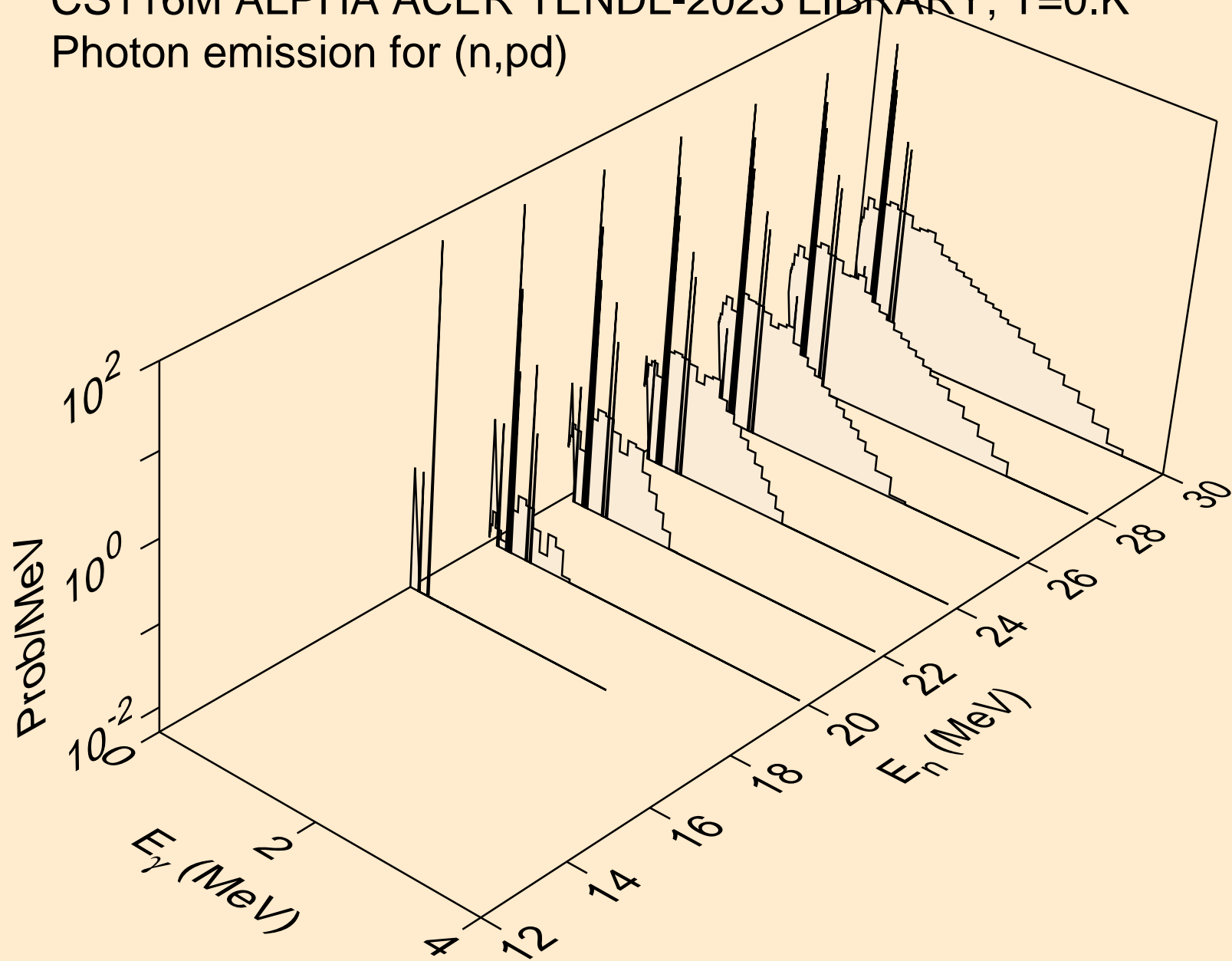
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



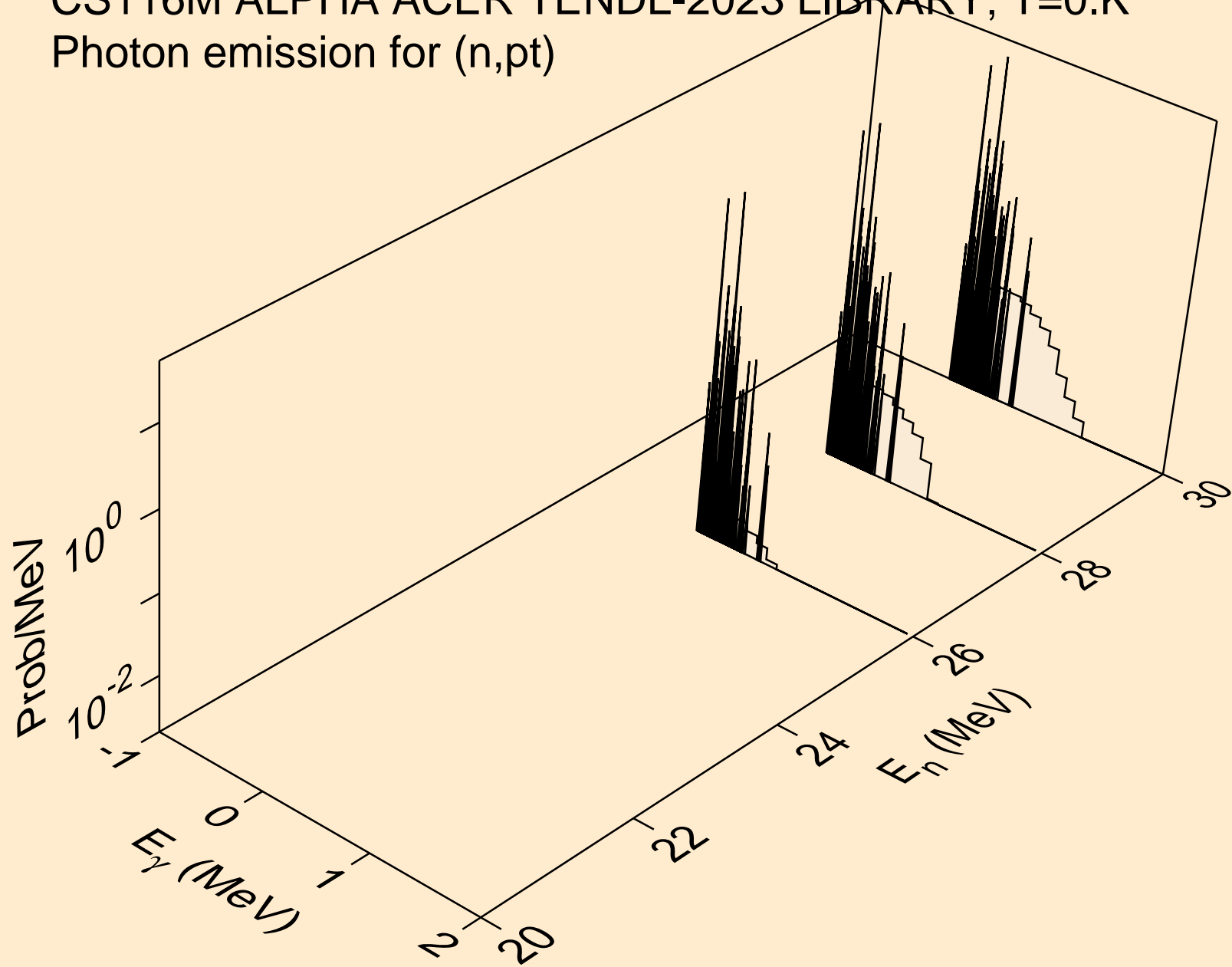
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)



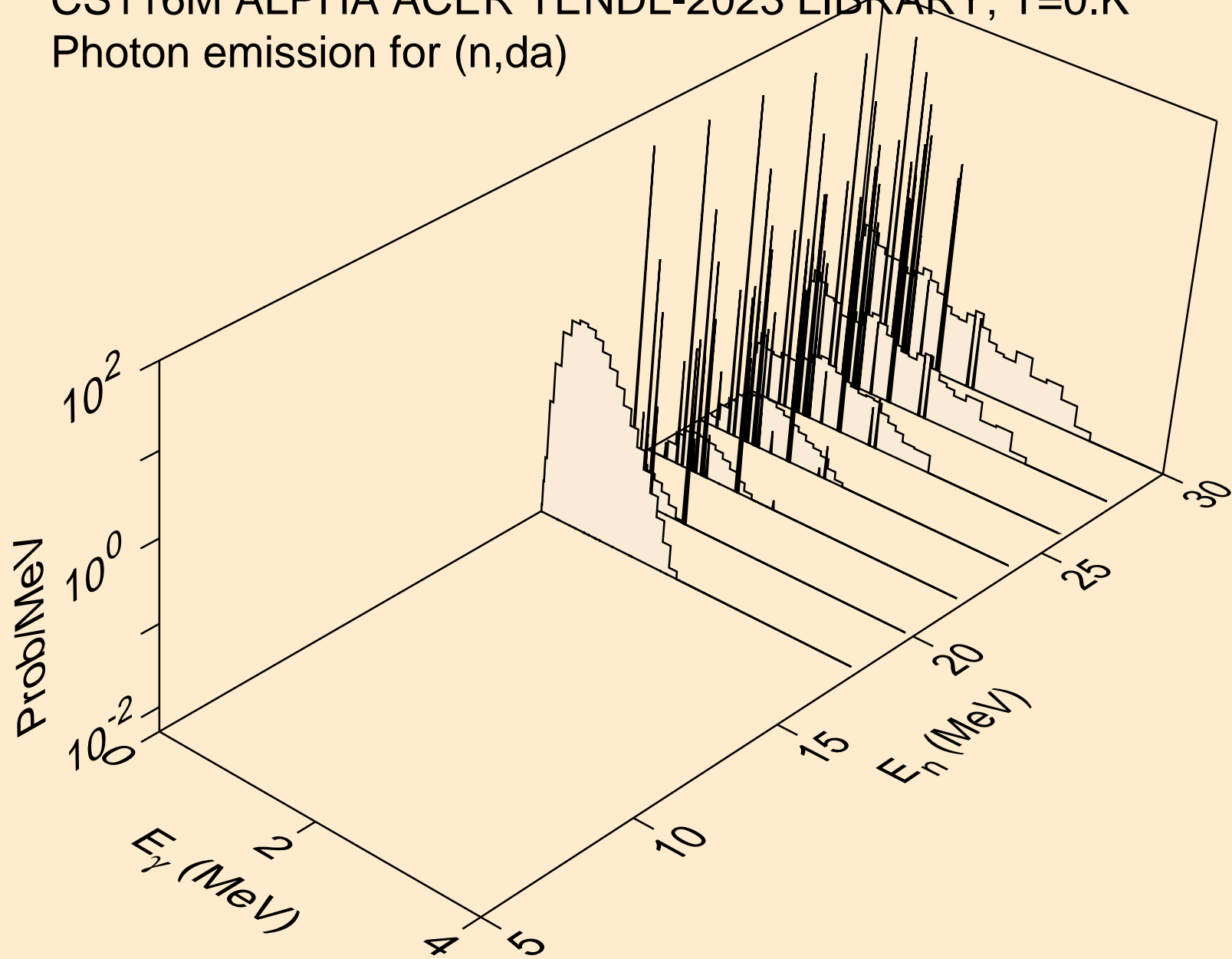
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

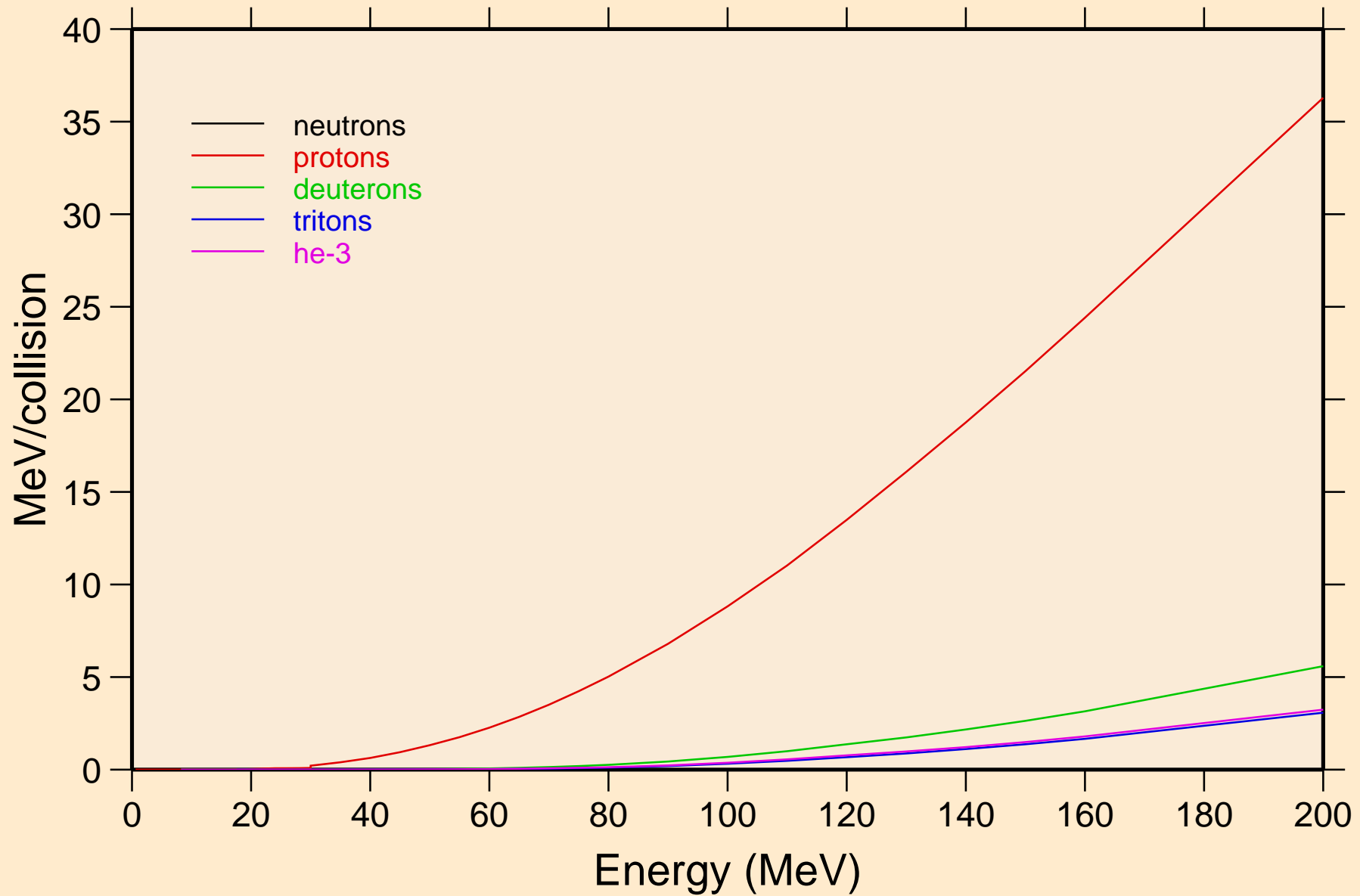


CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

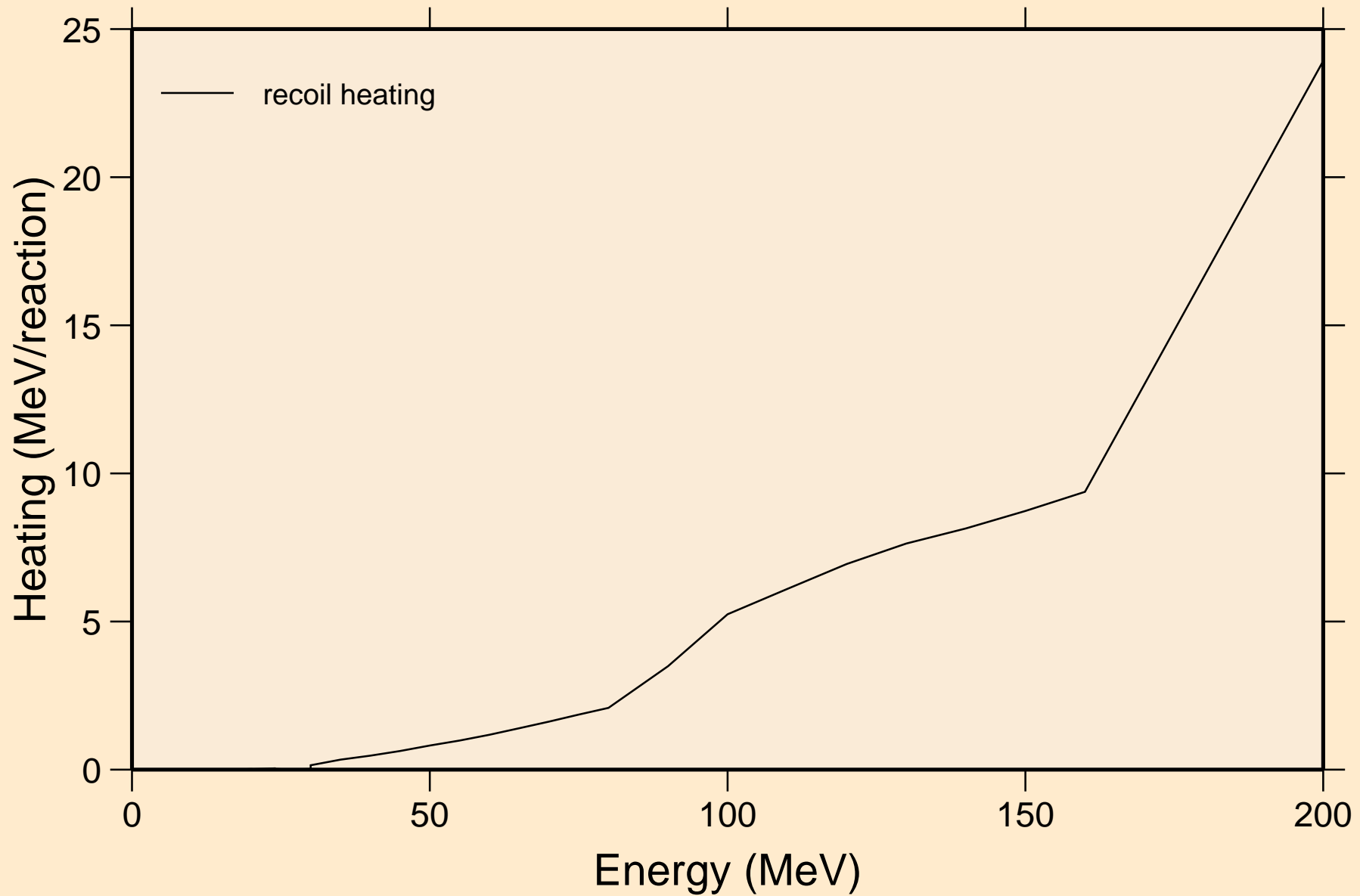


# CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

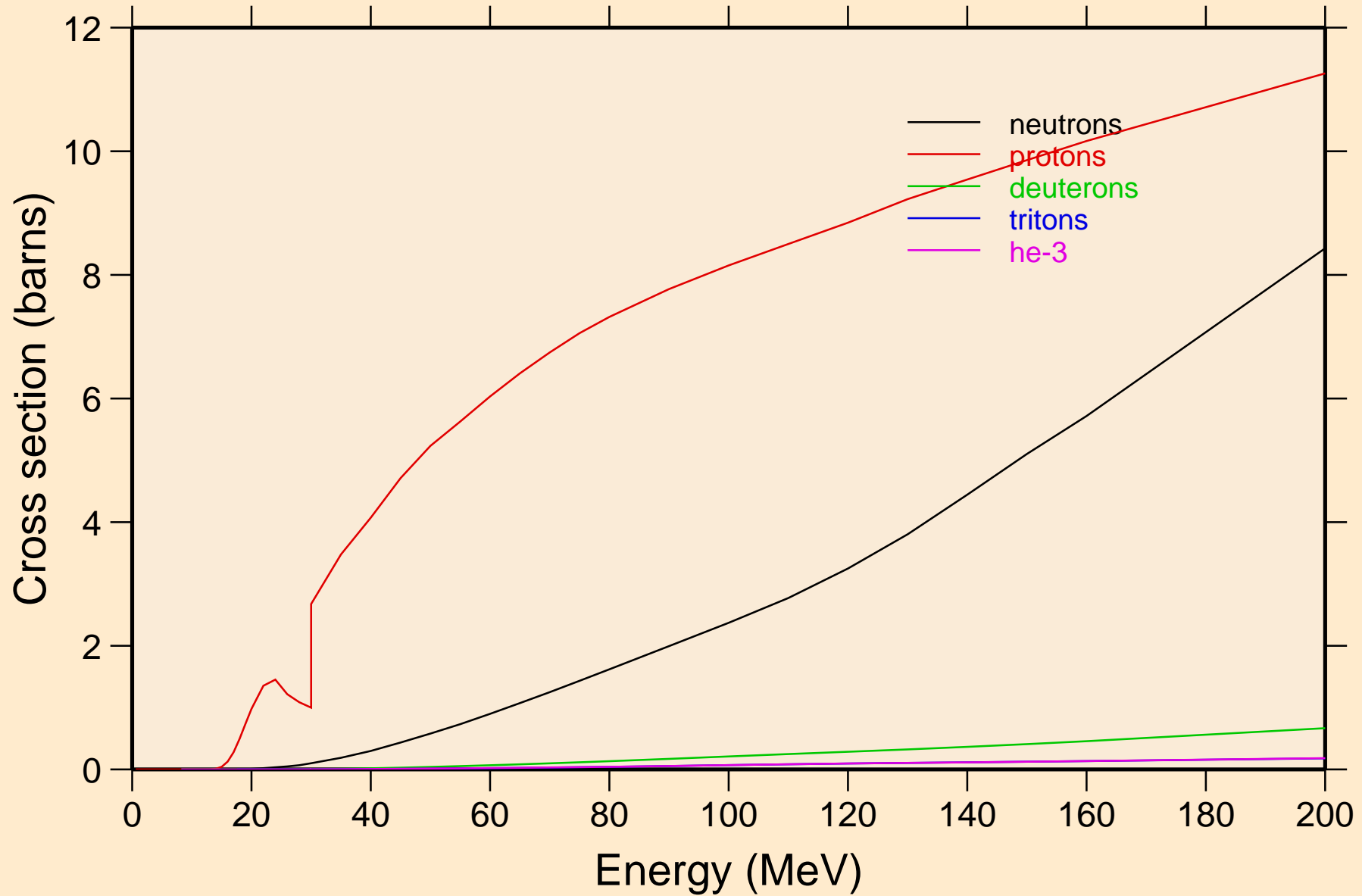
## Particle heating contributions



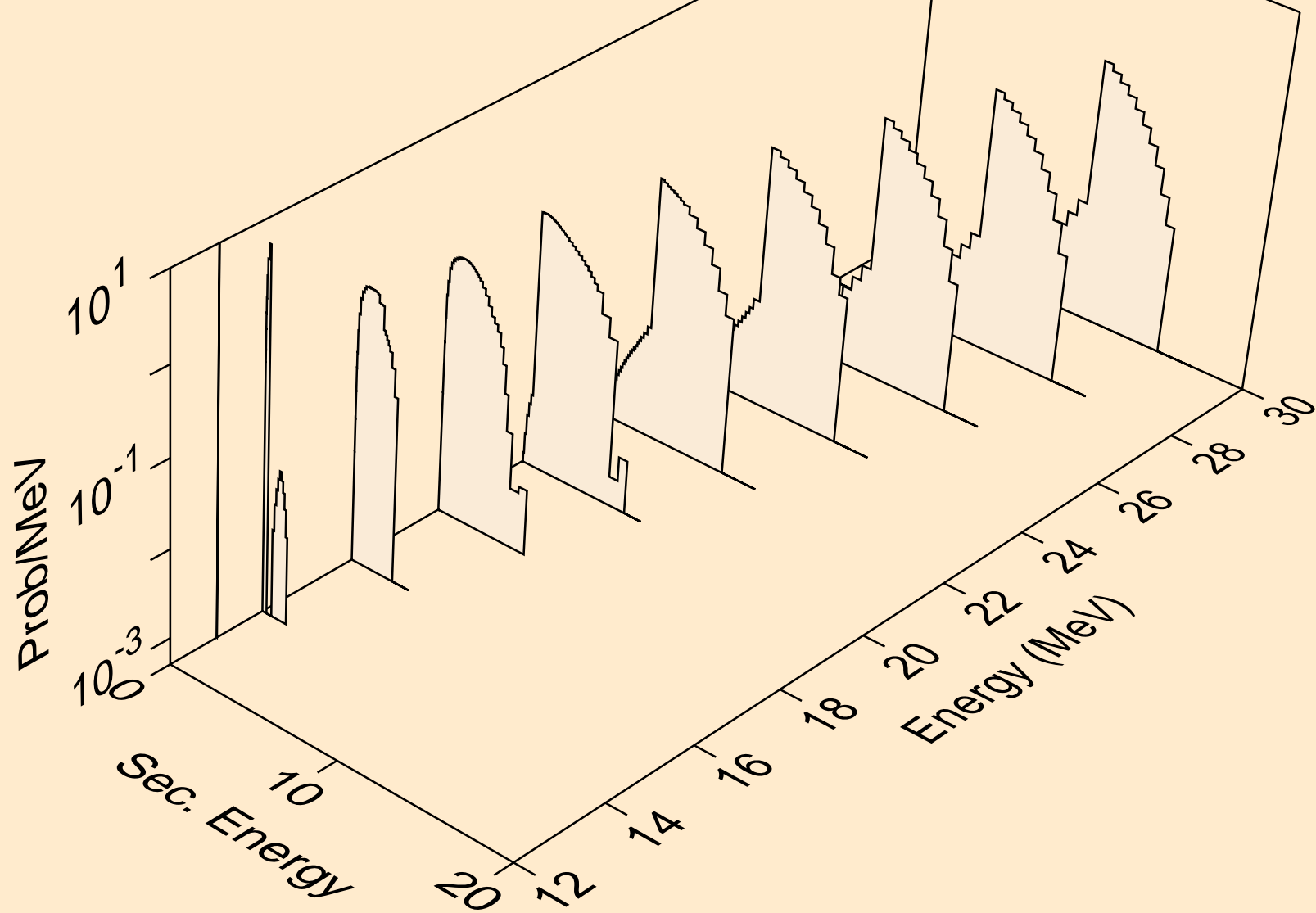
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



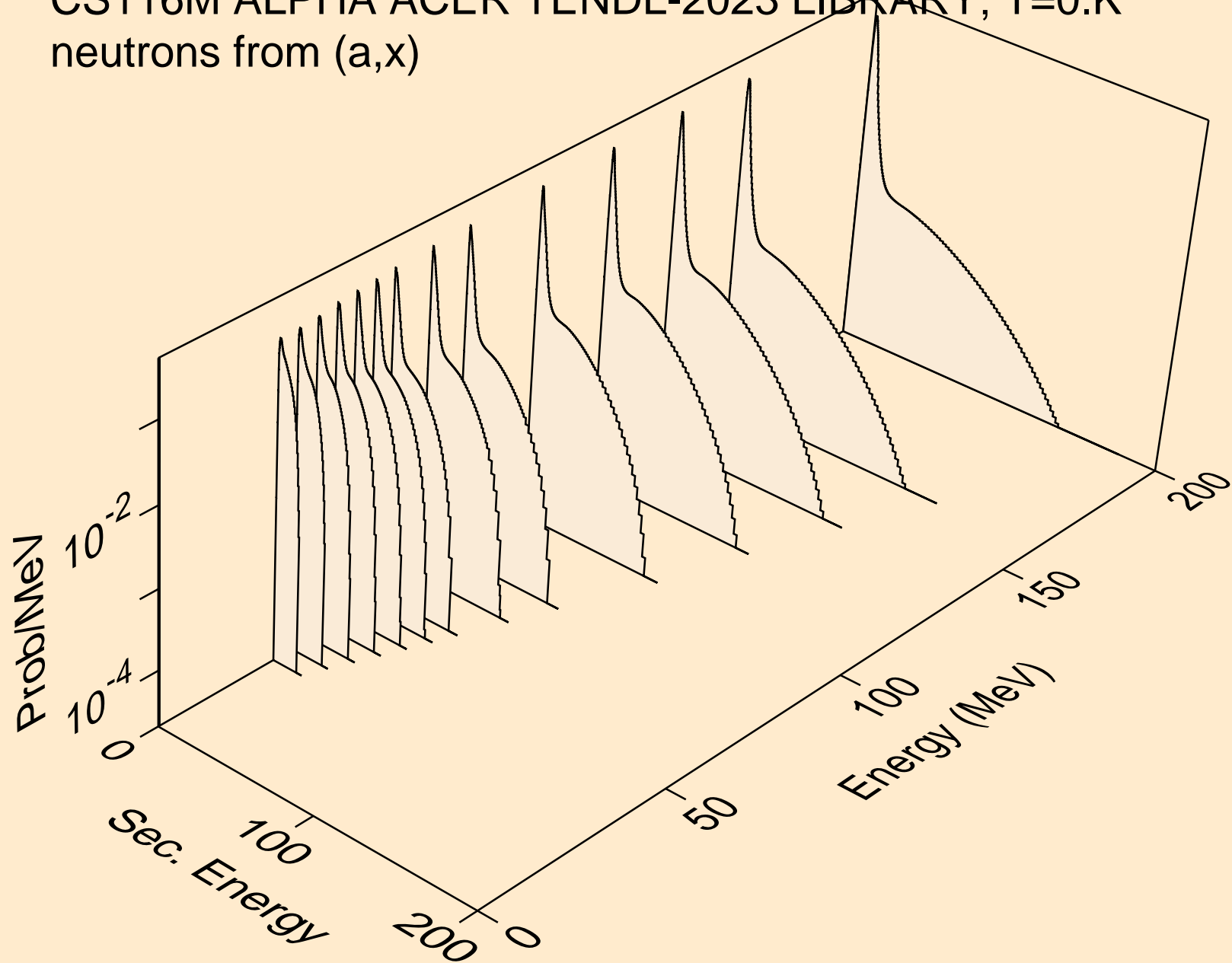
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



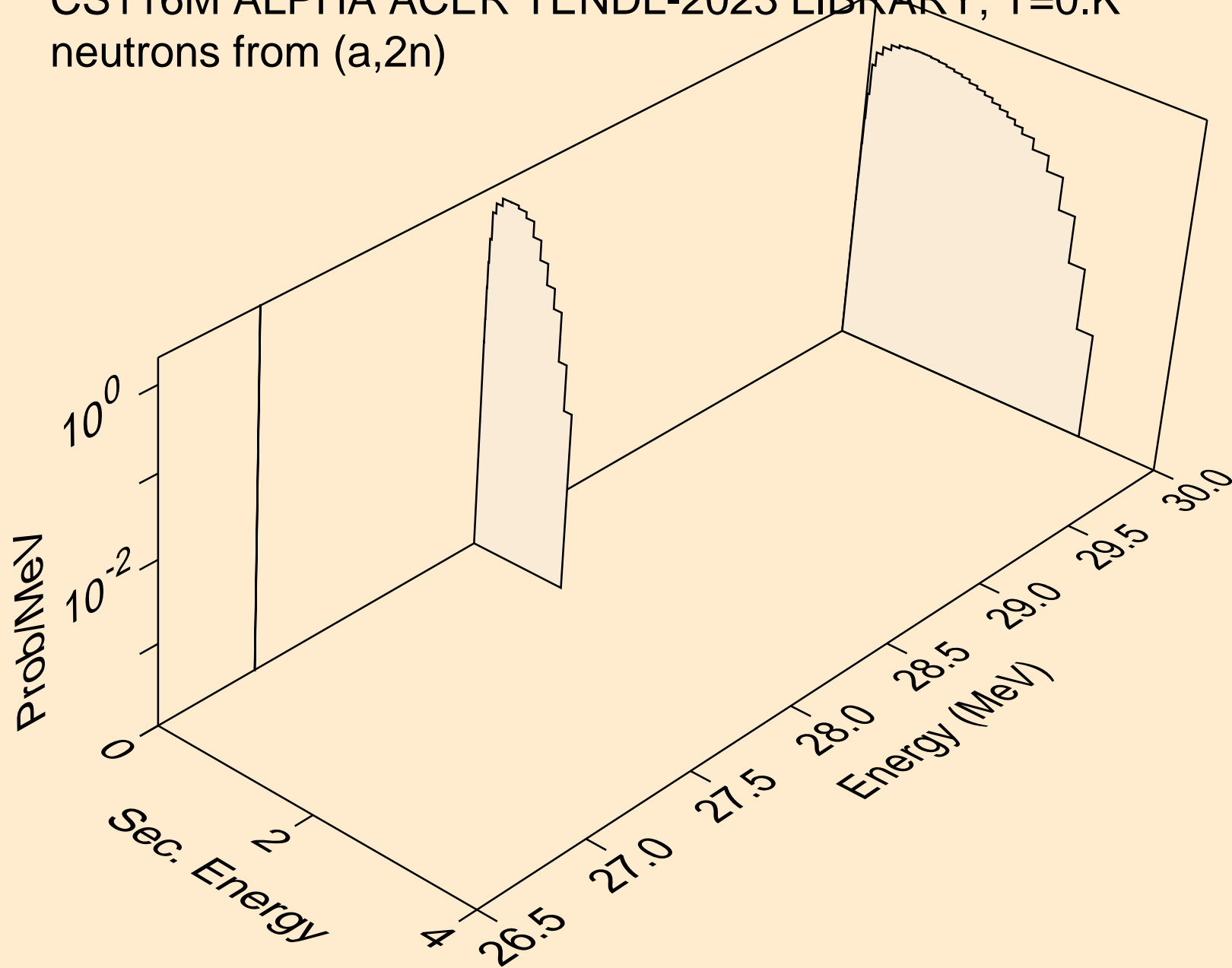
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n)



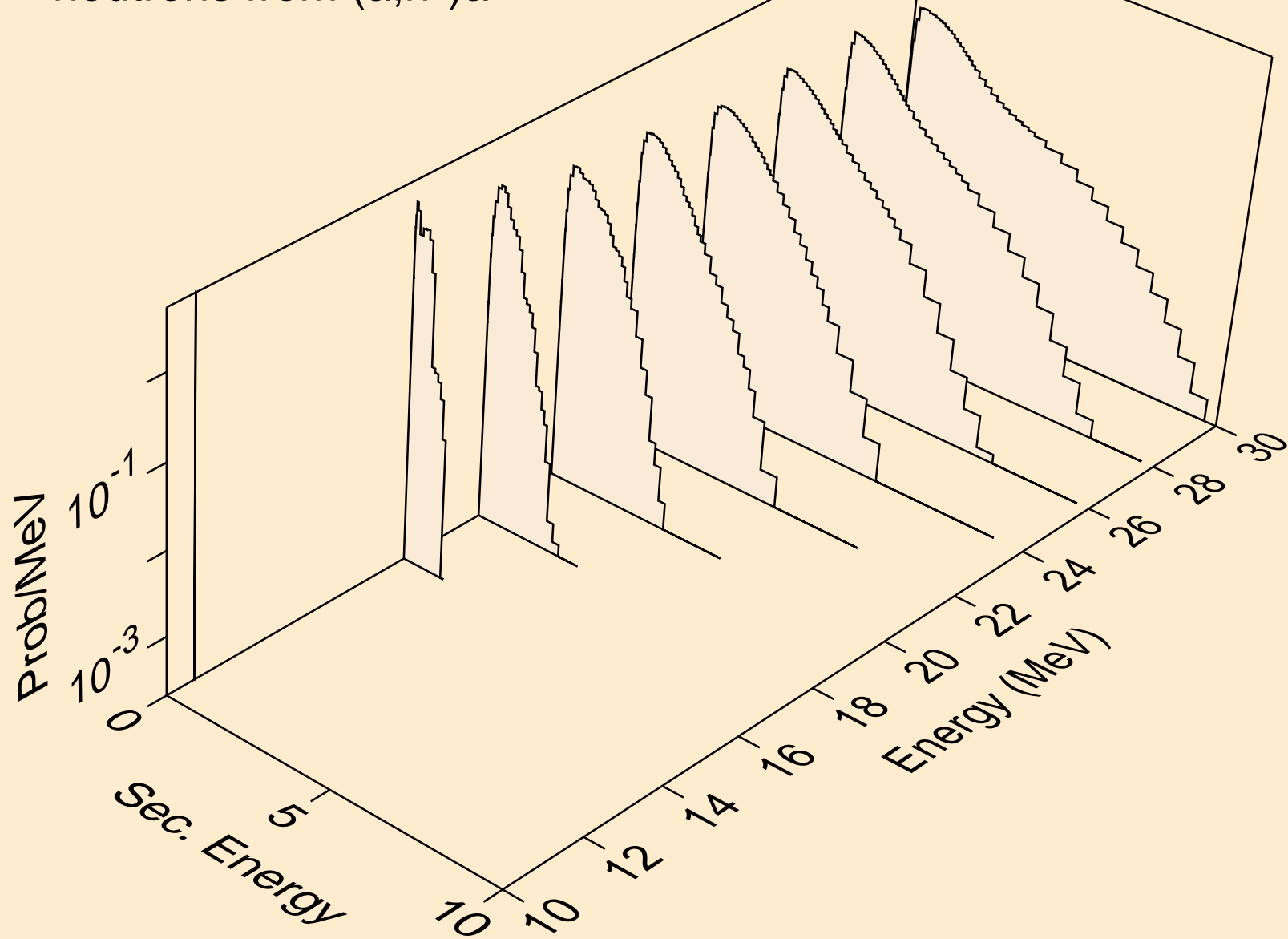
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,x)



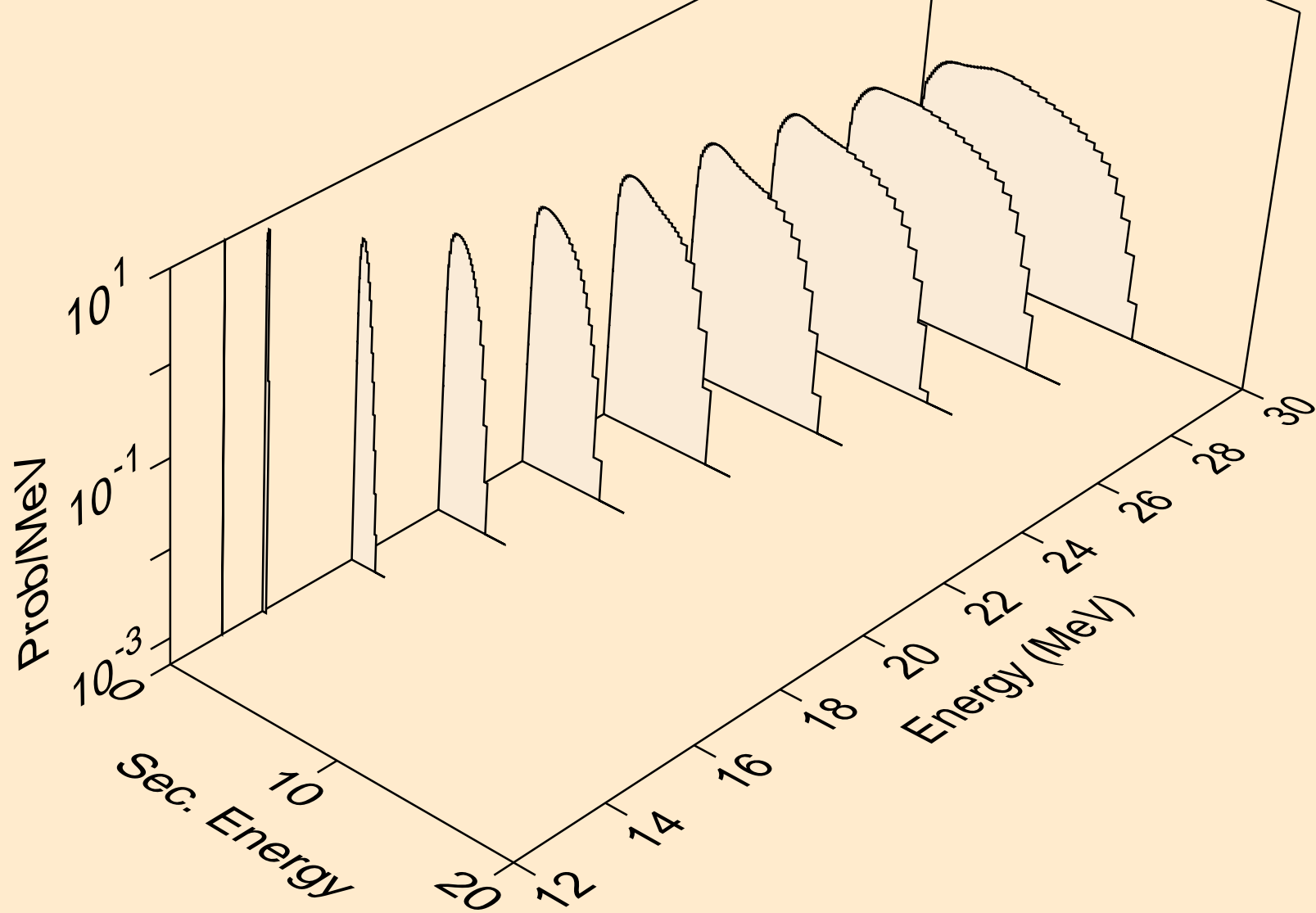
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2n)



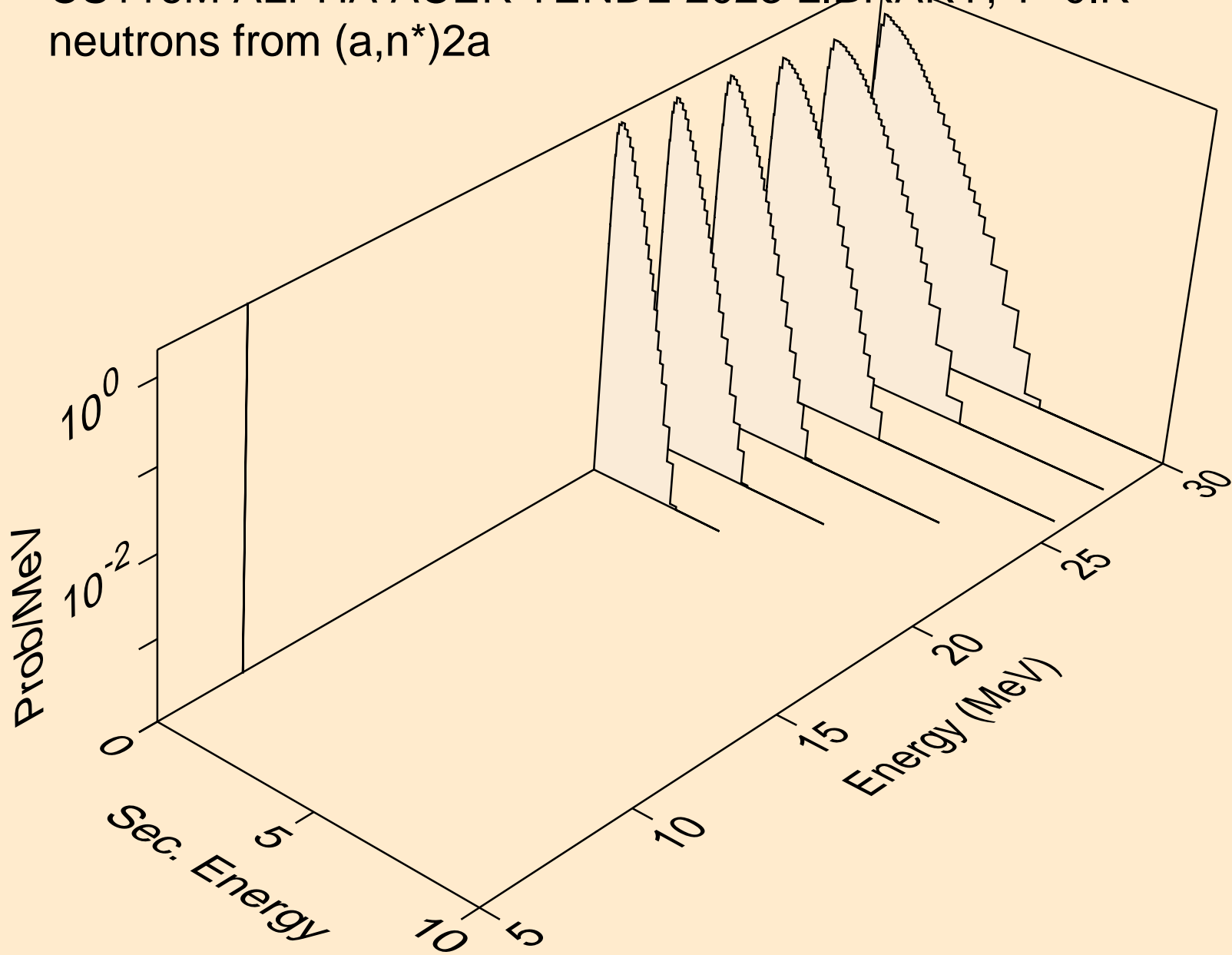
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)a



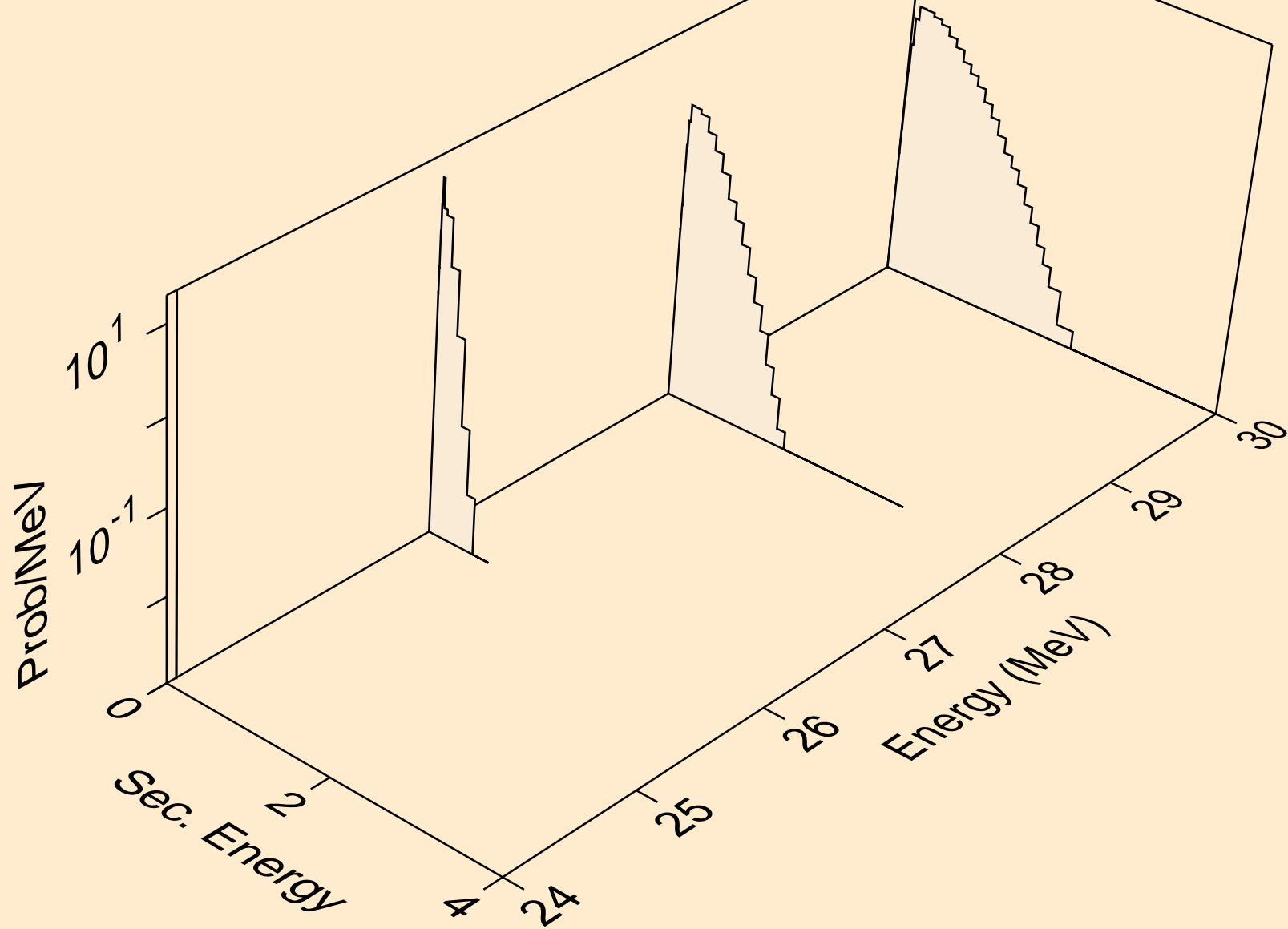
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)p



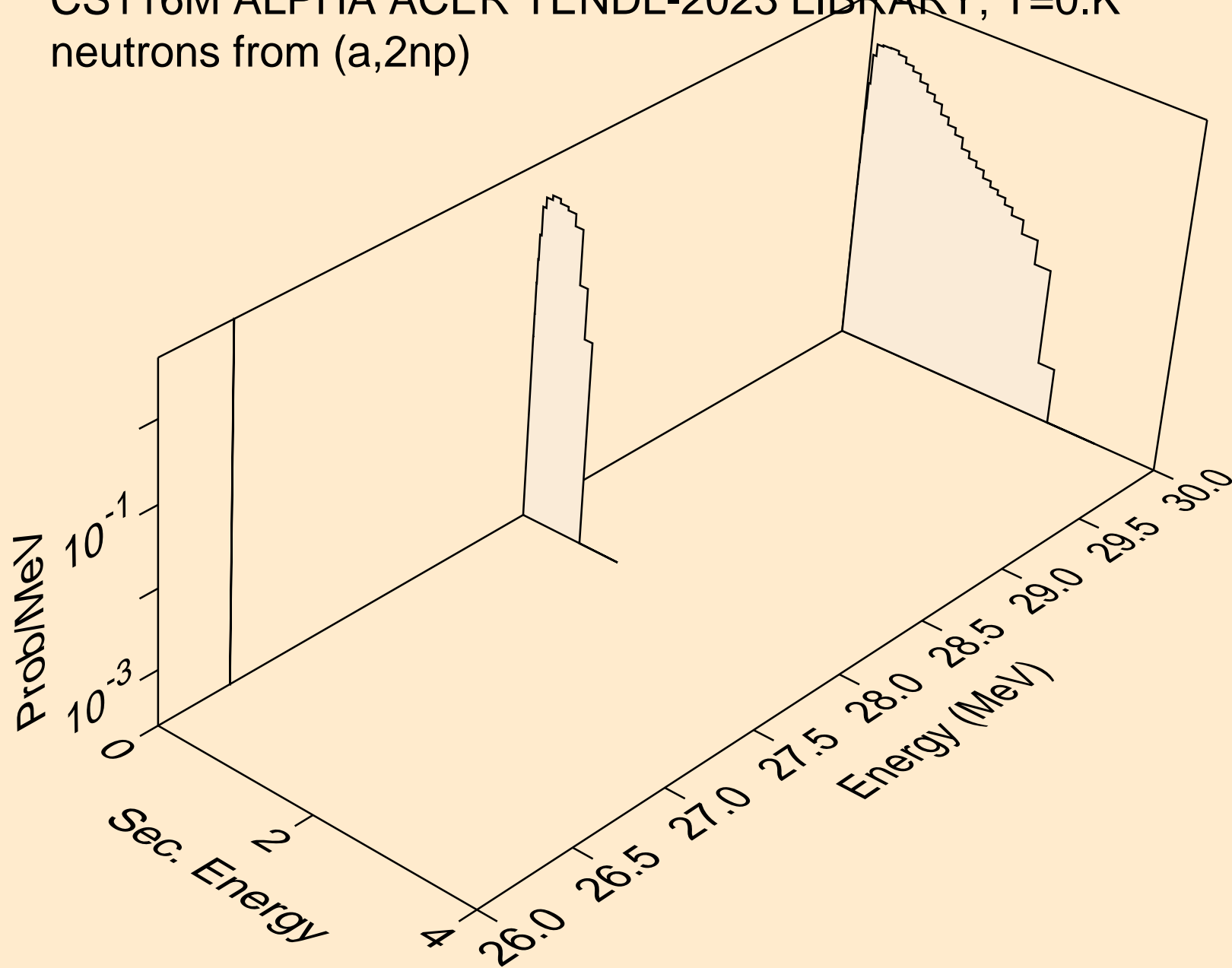
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)2a



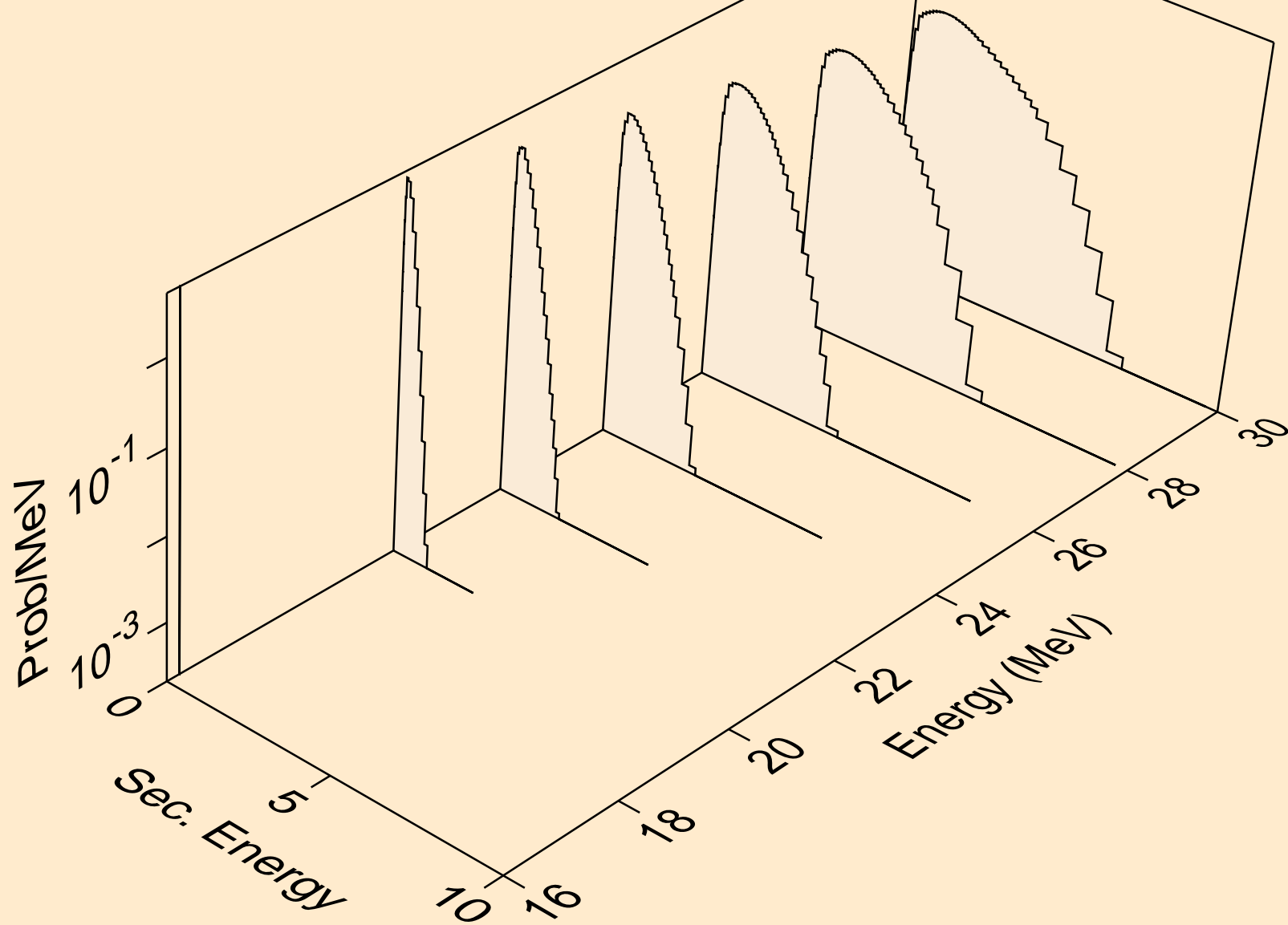
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)d



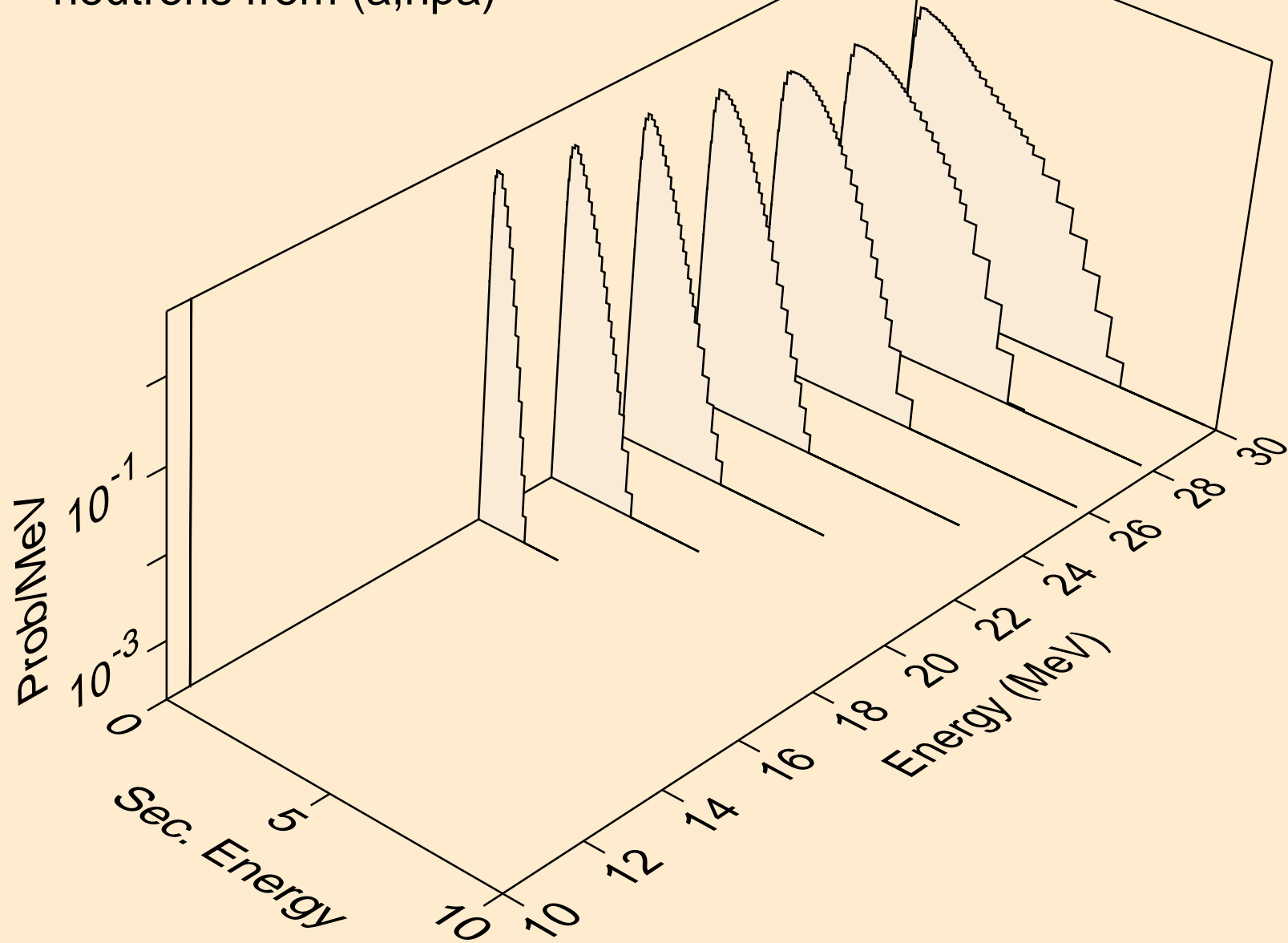
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2np)



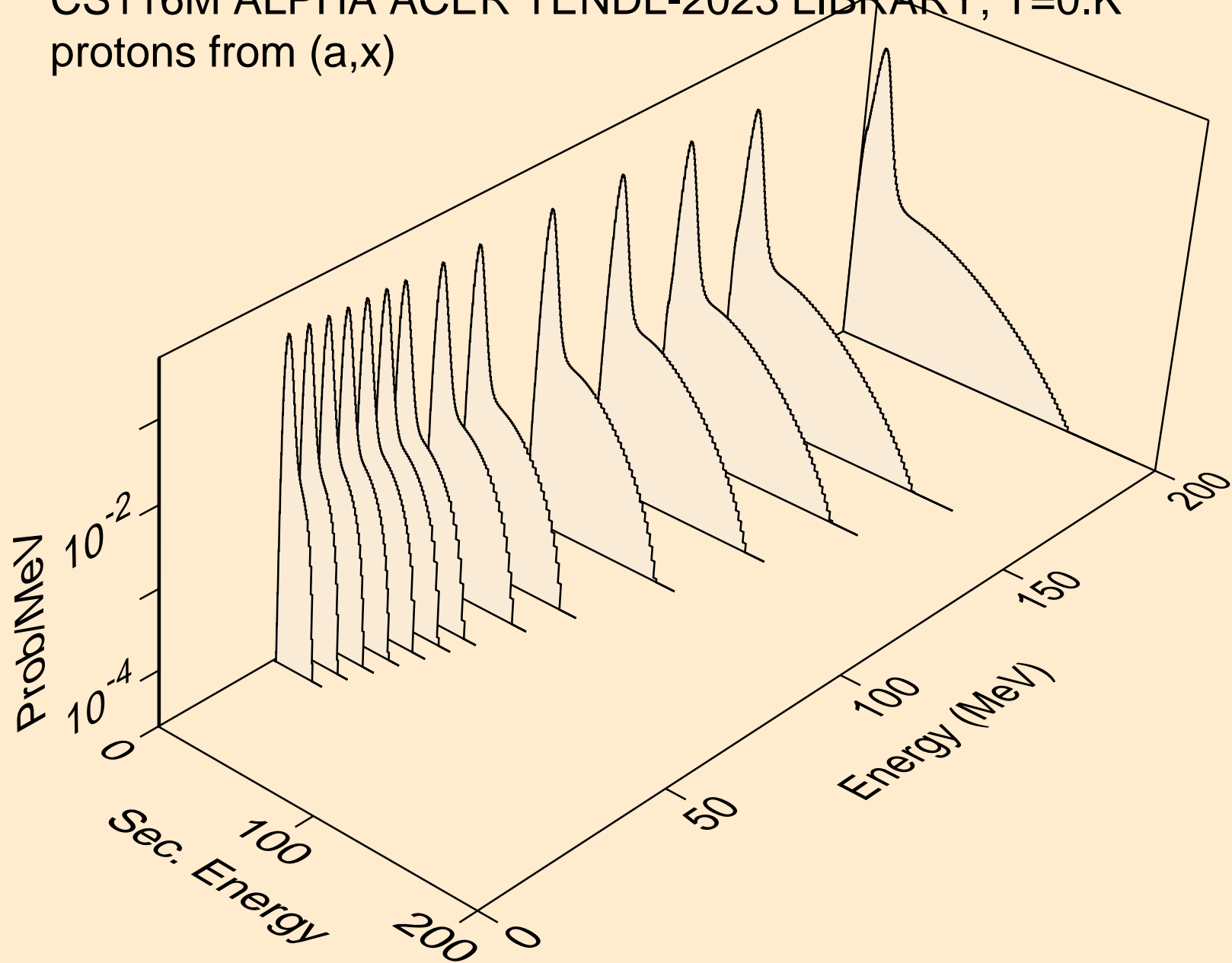
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n2p)



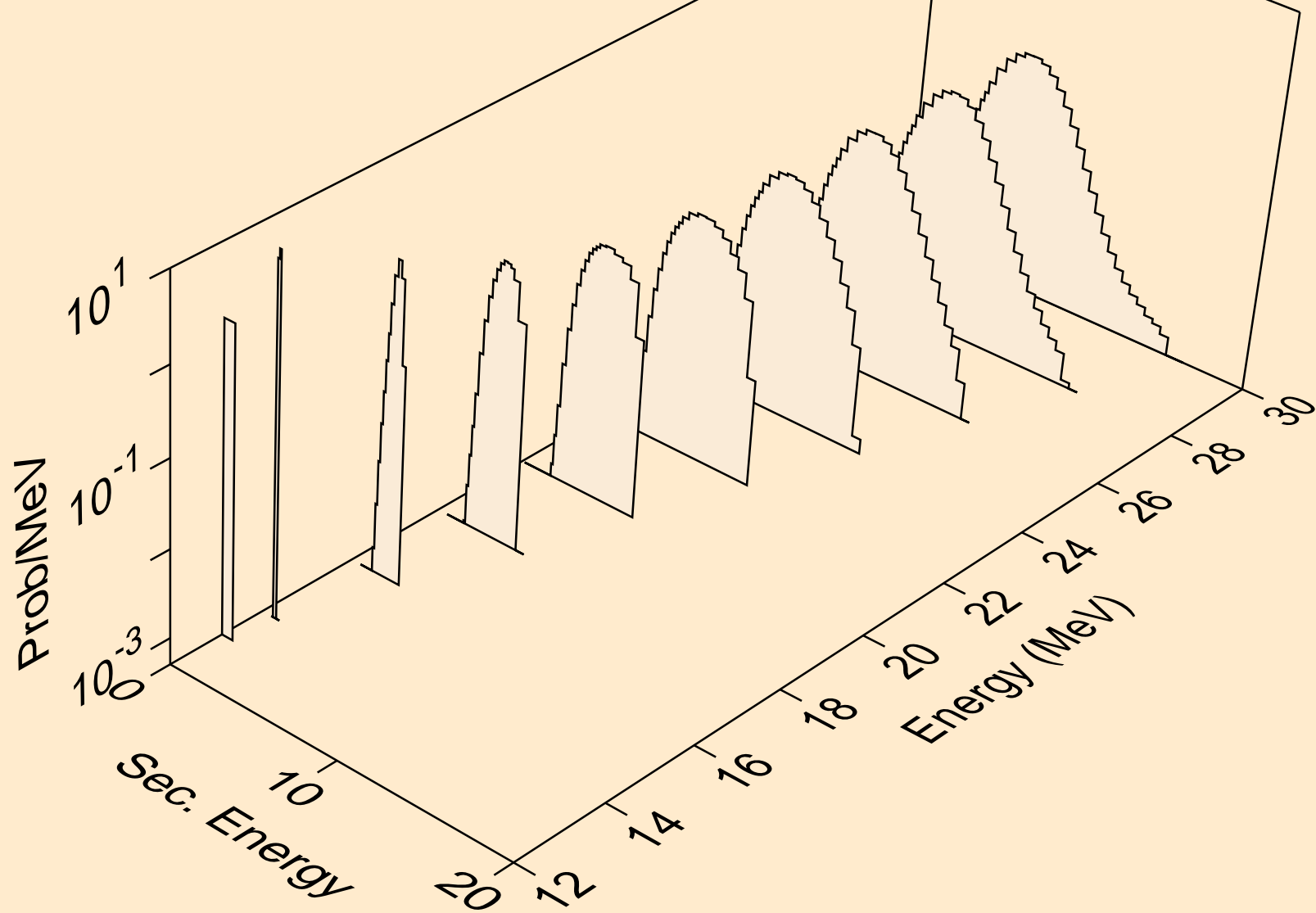
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,npa)



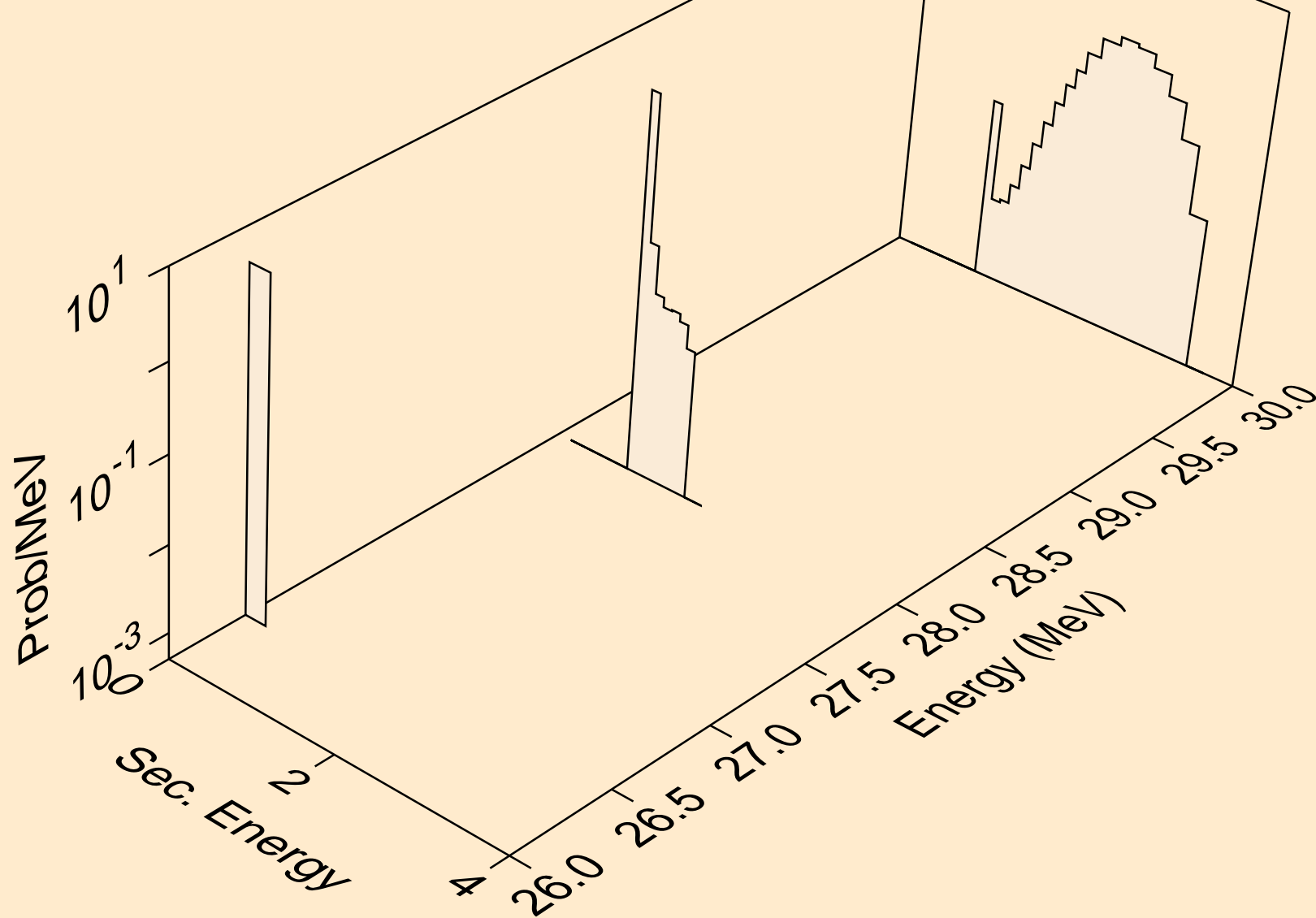
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,x)



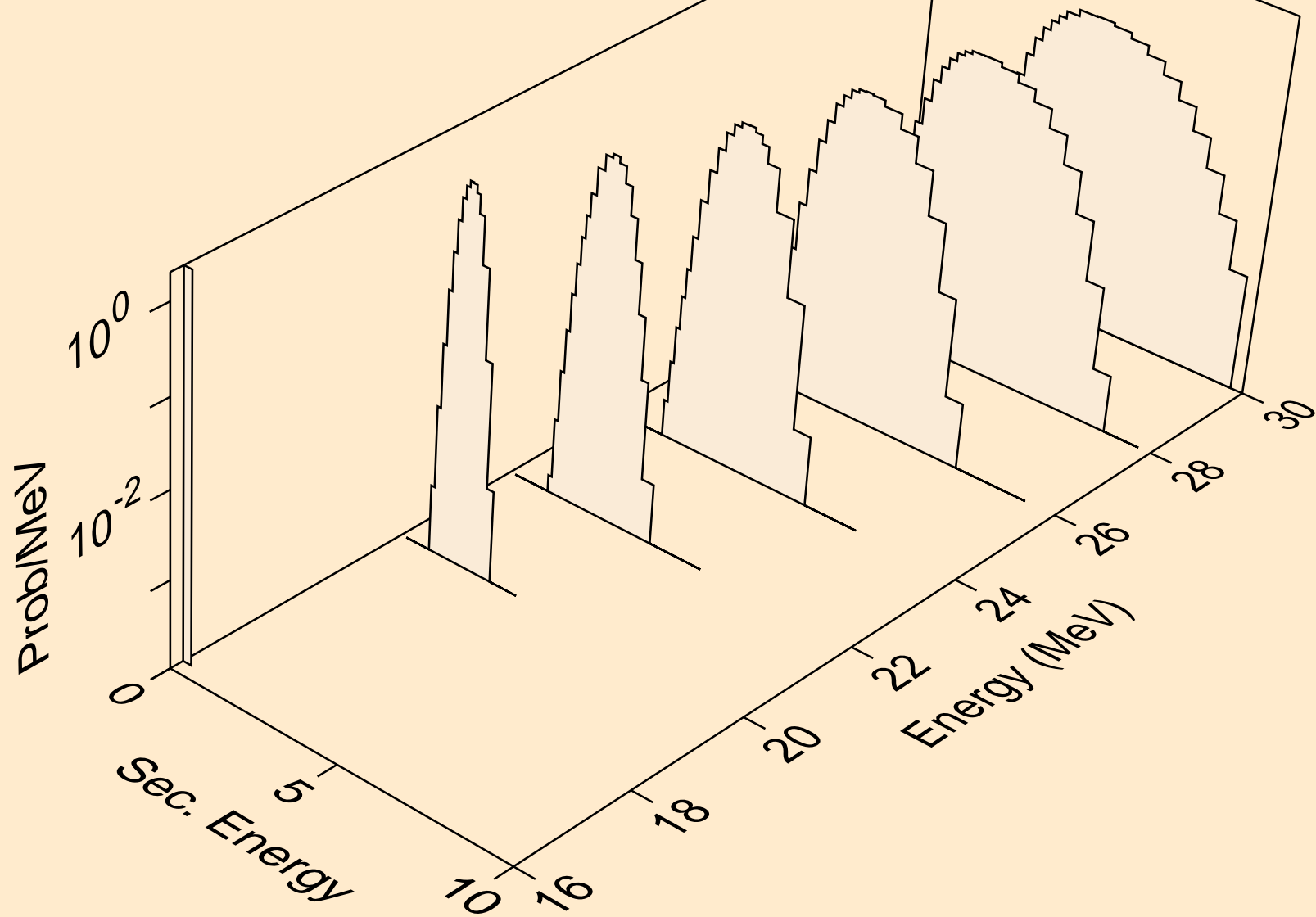
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,n\*)p



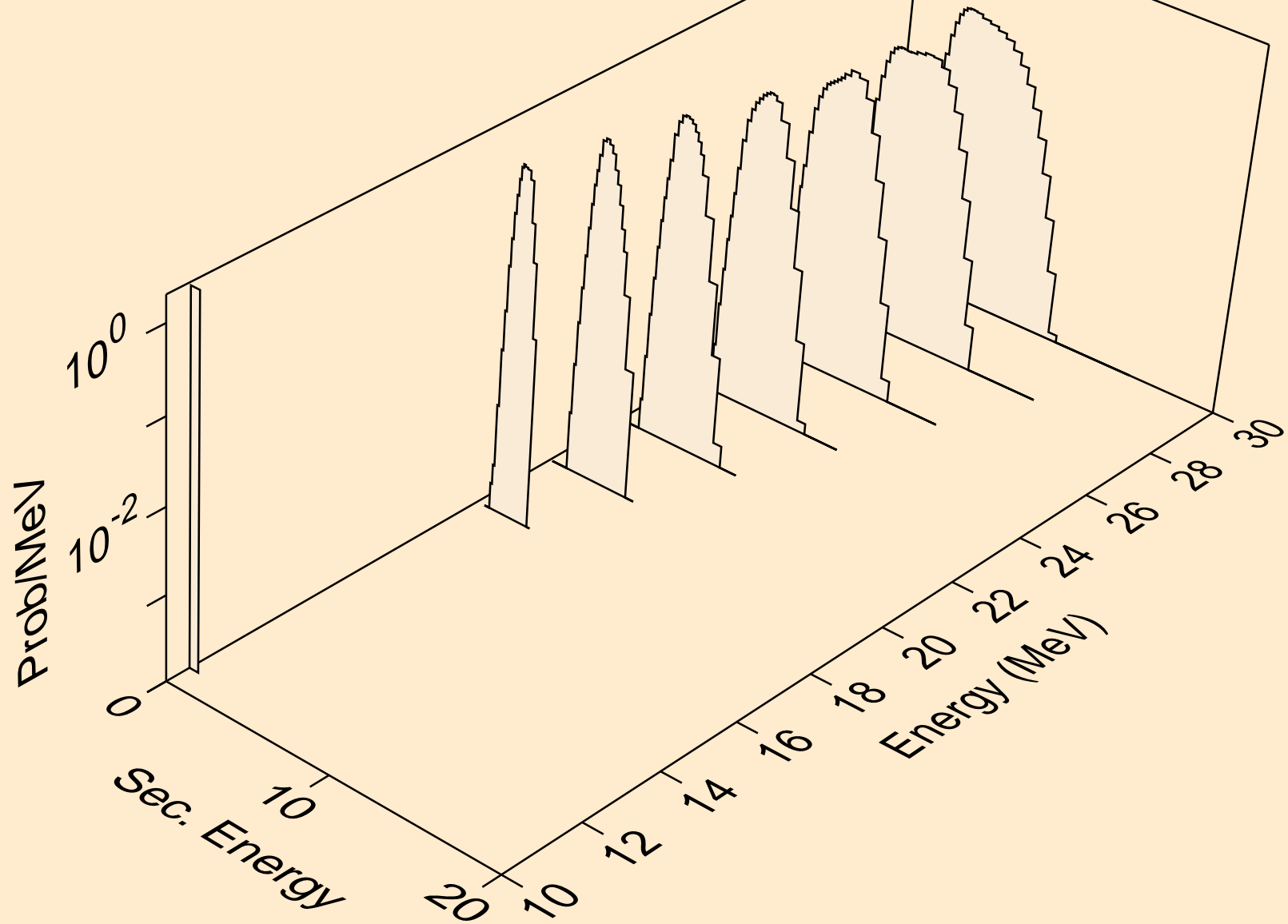
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,2np)



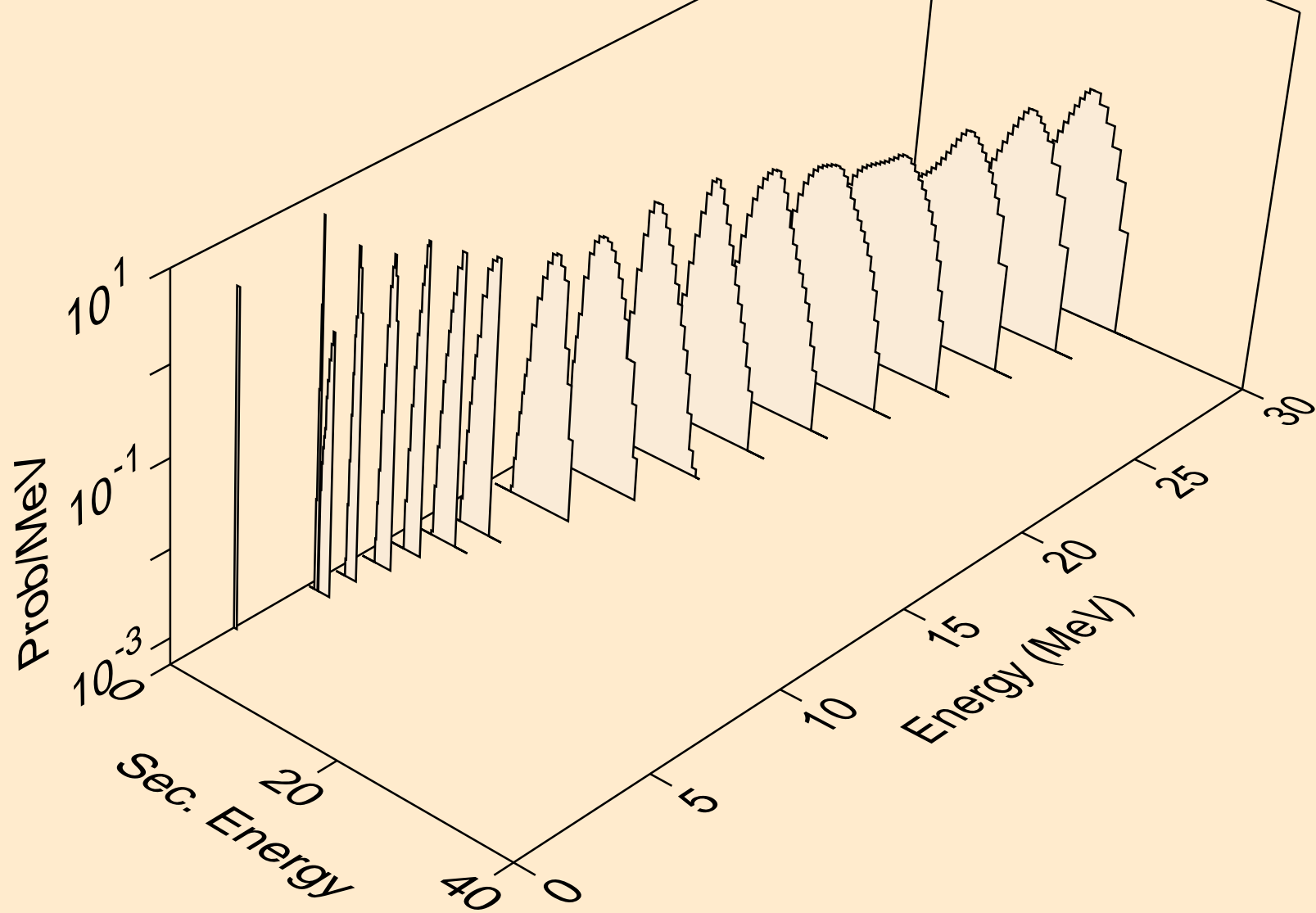
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,n2p)



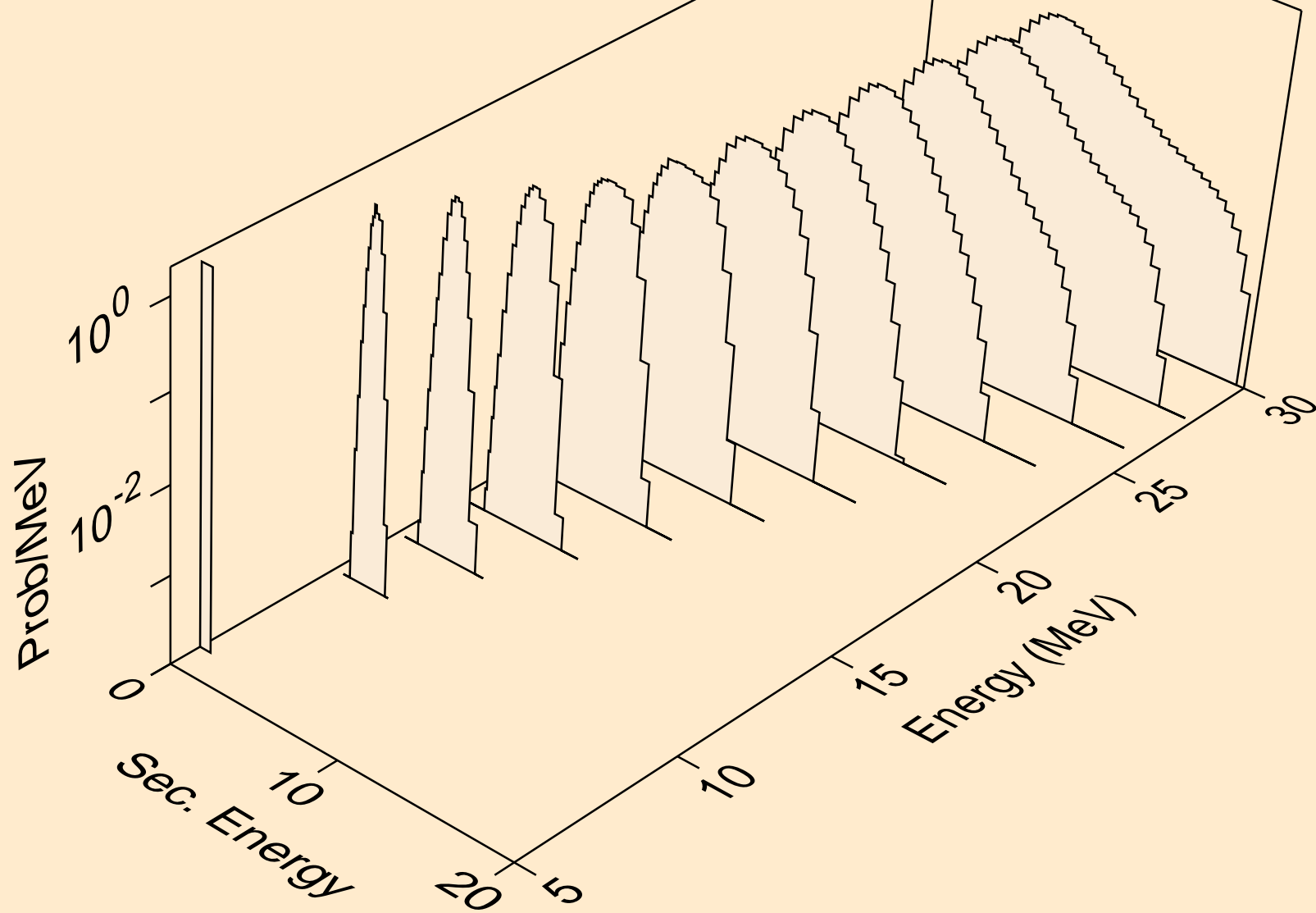
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,npa)



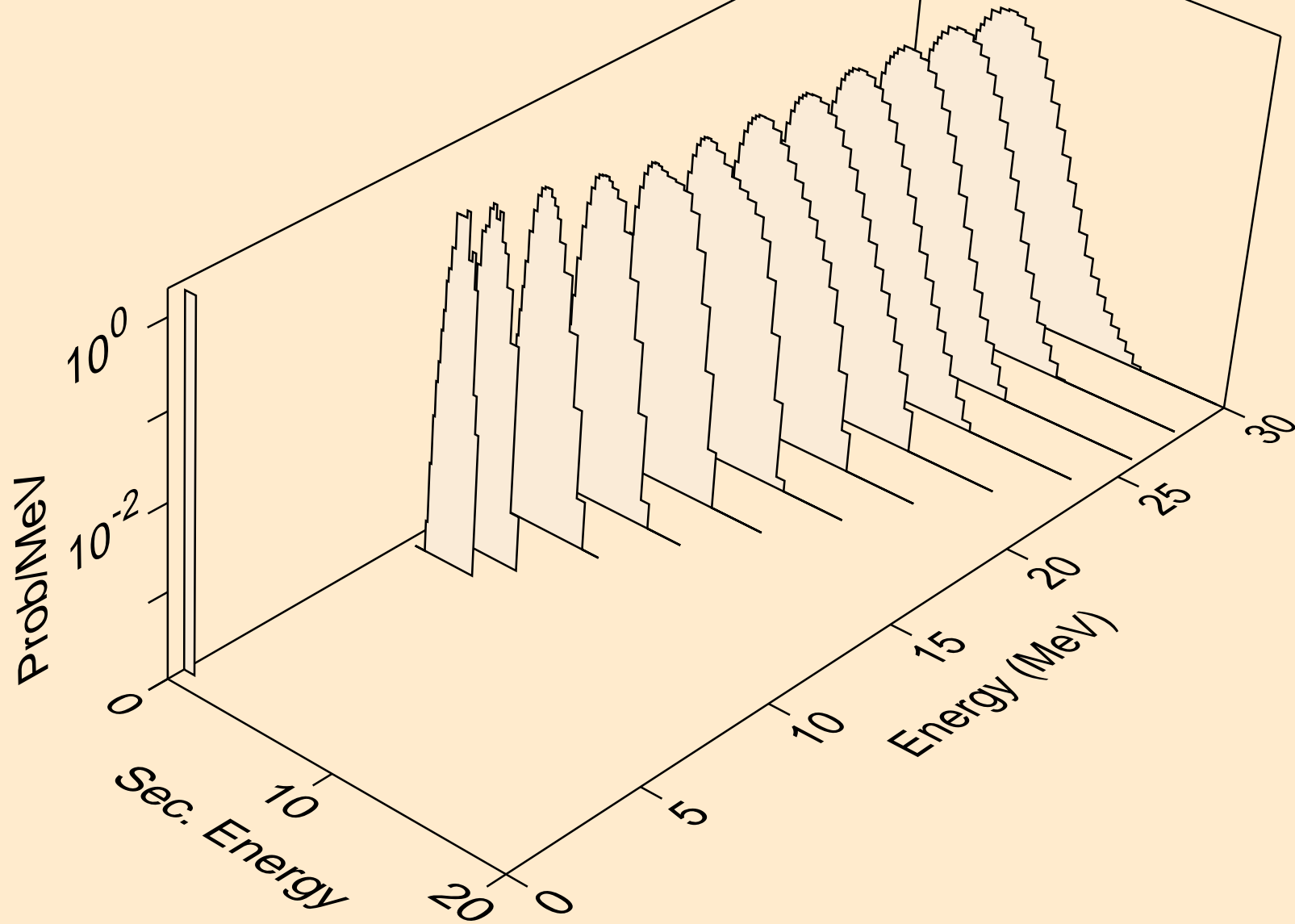
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,p)



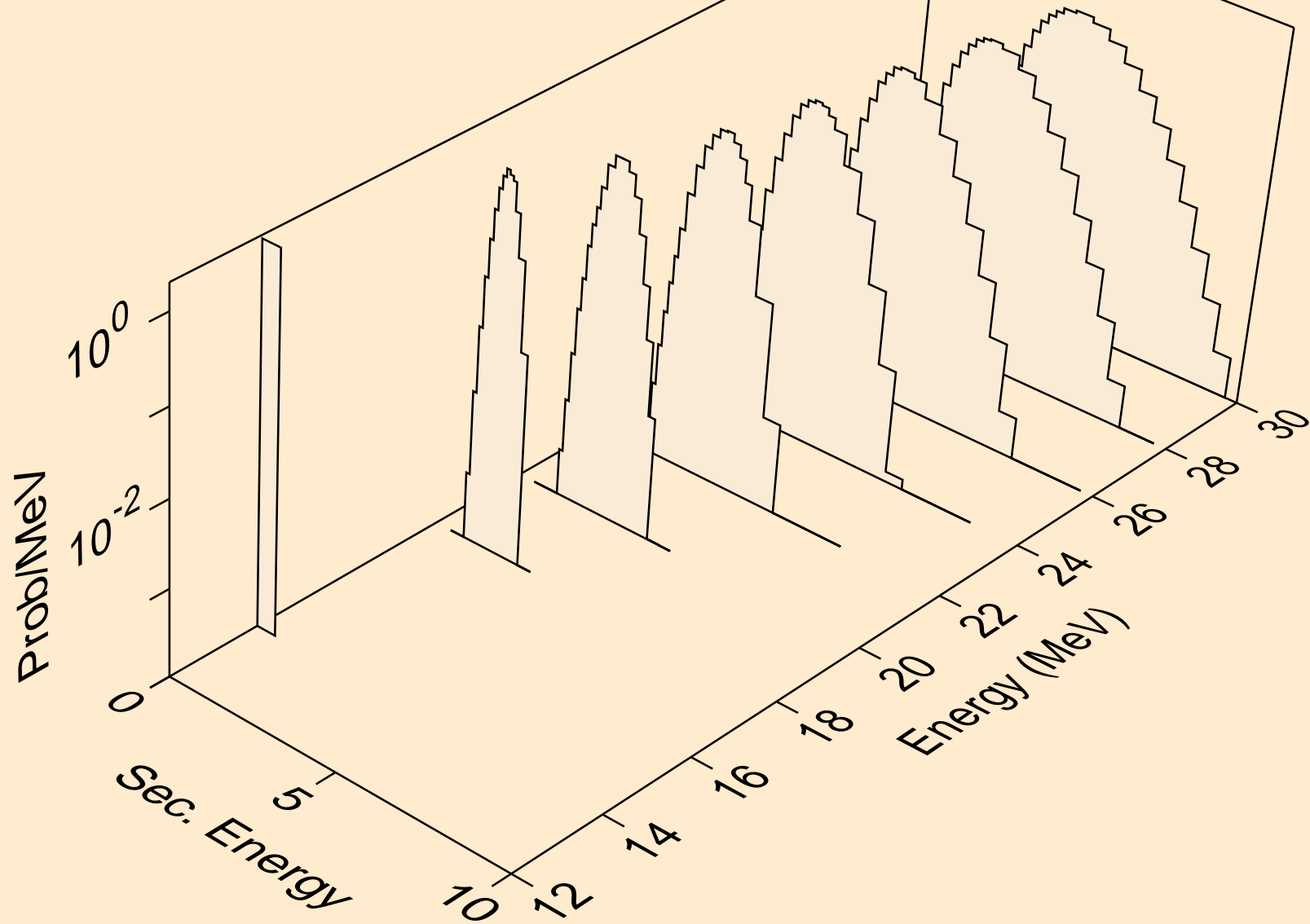
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,2p)



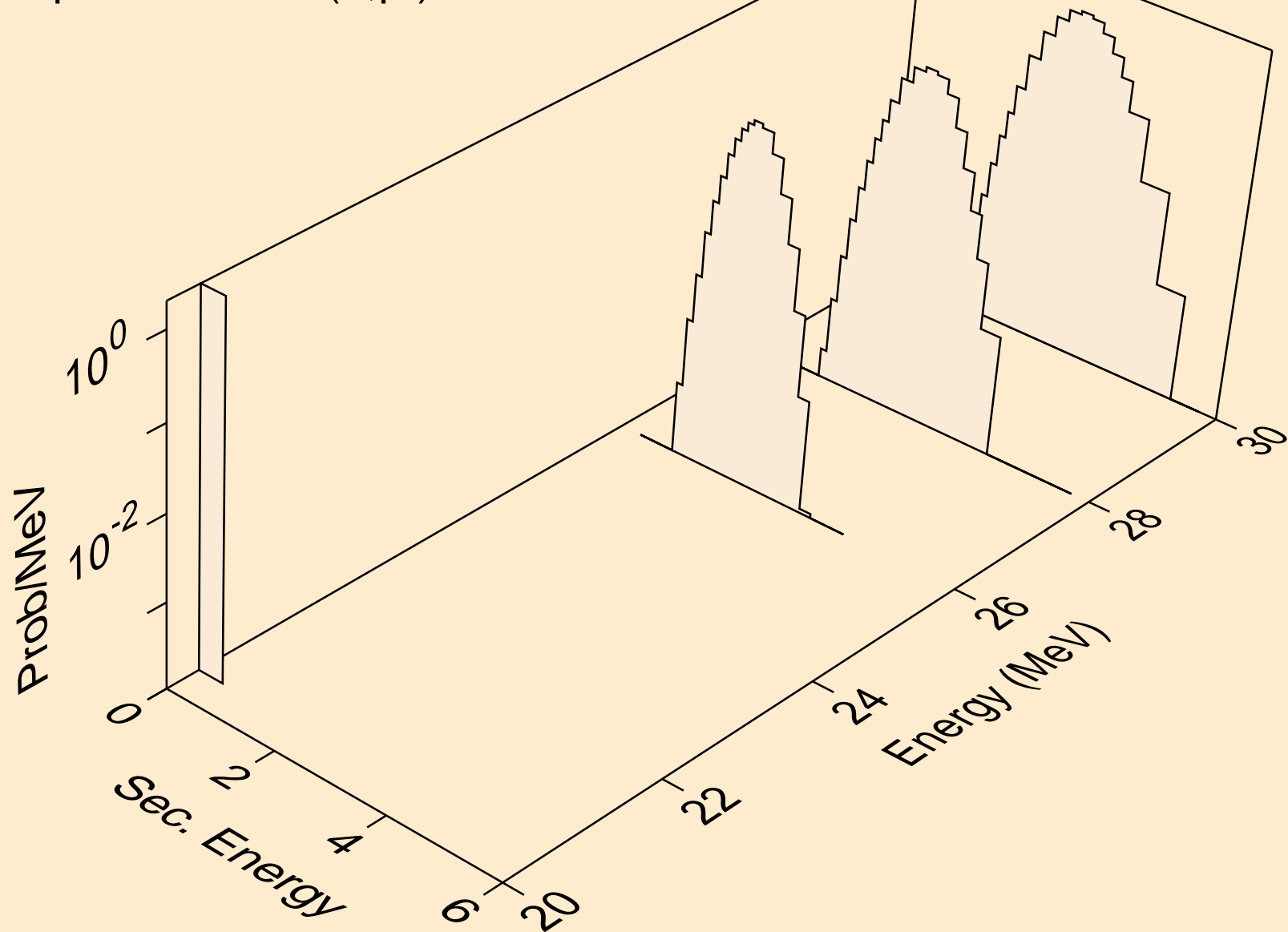
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,pa)



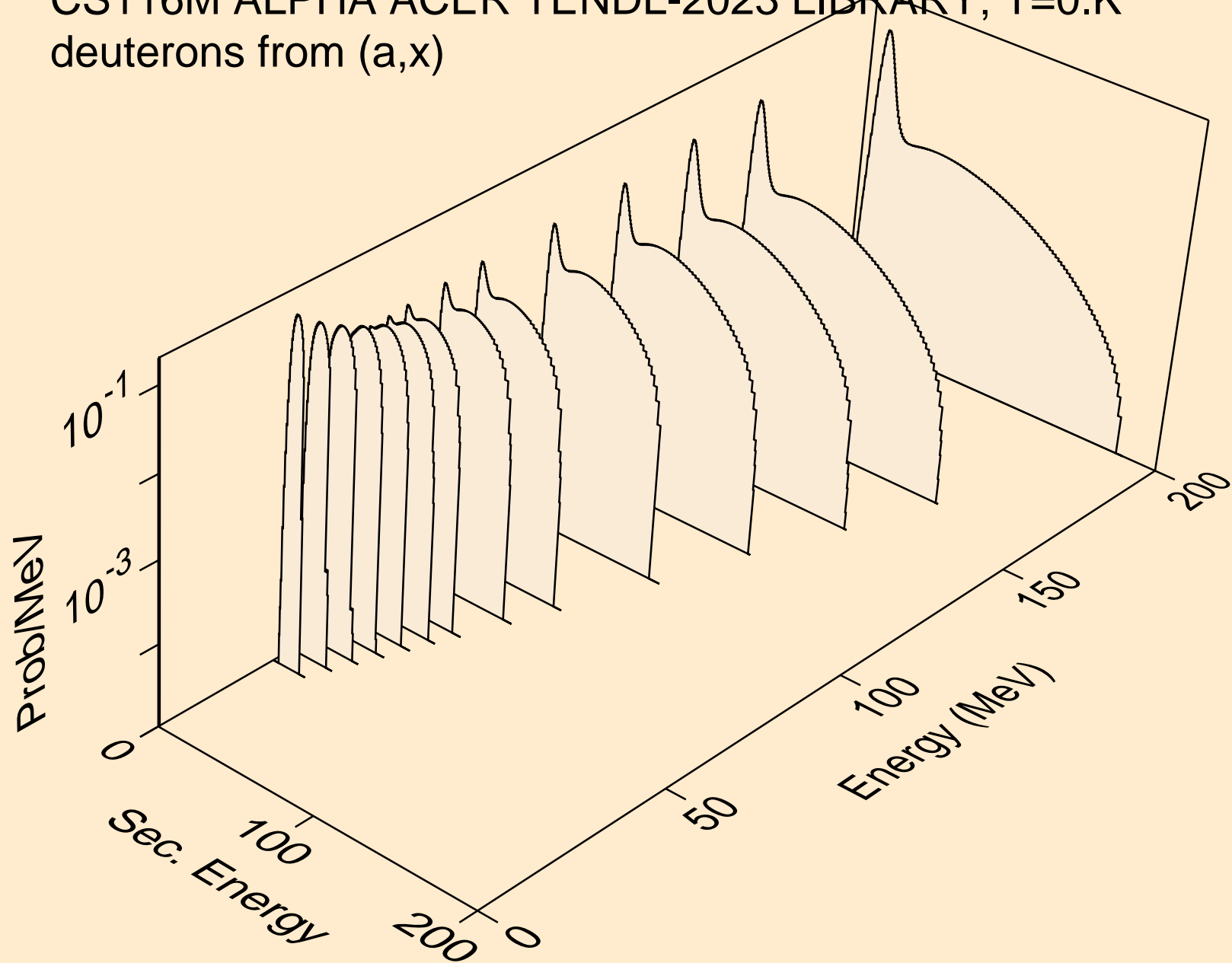
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,pd)



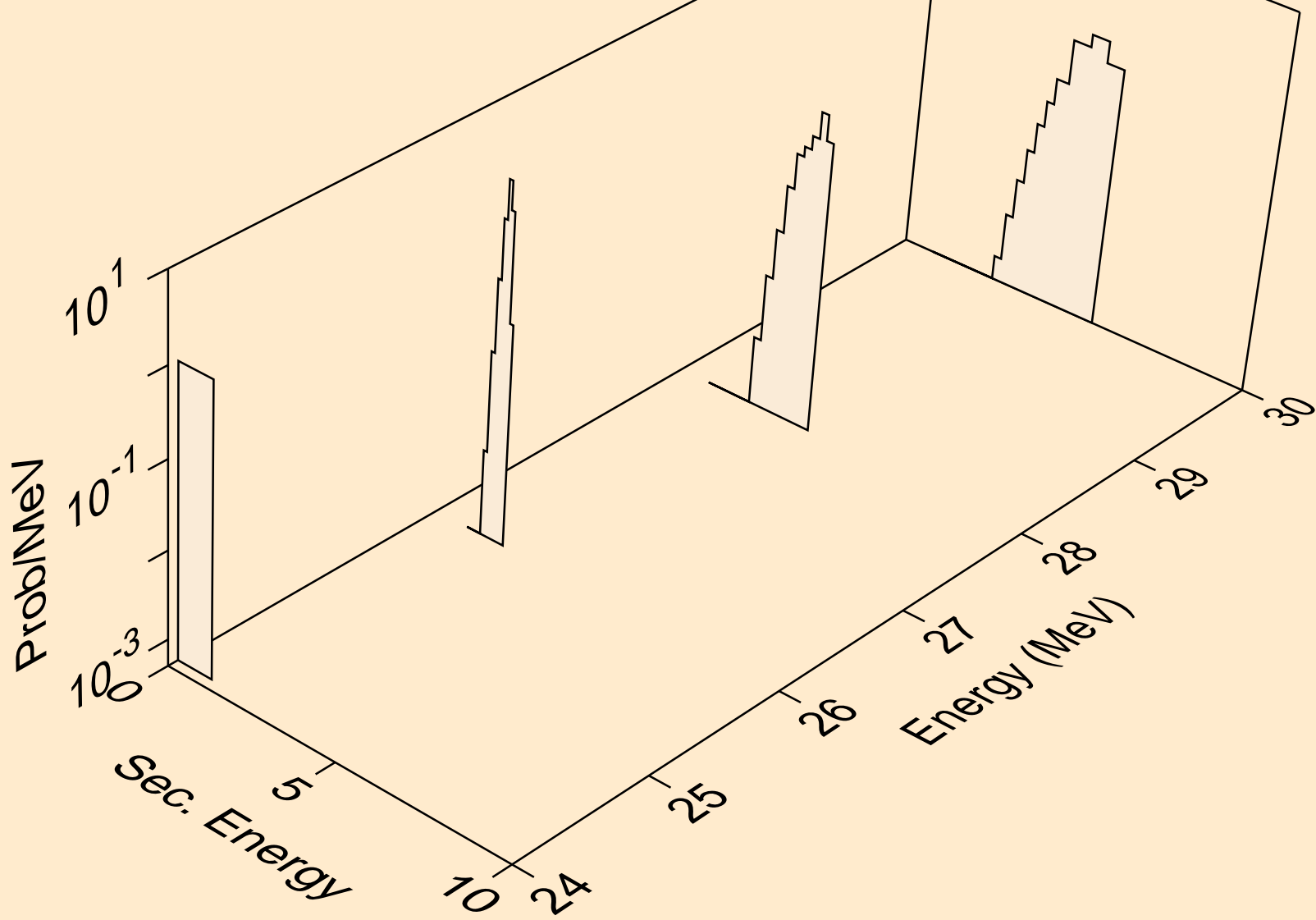
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,pt)



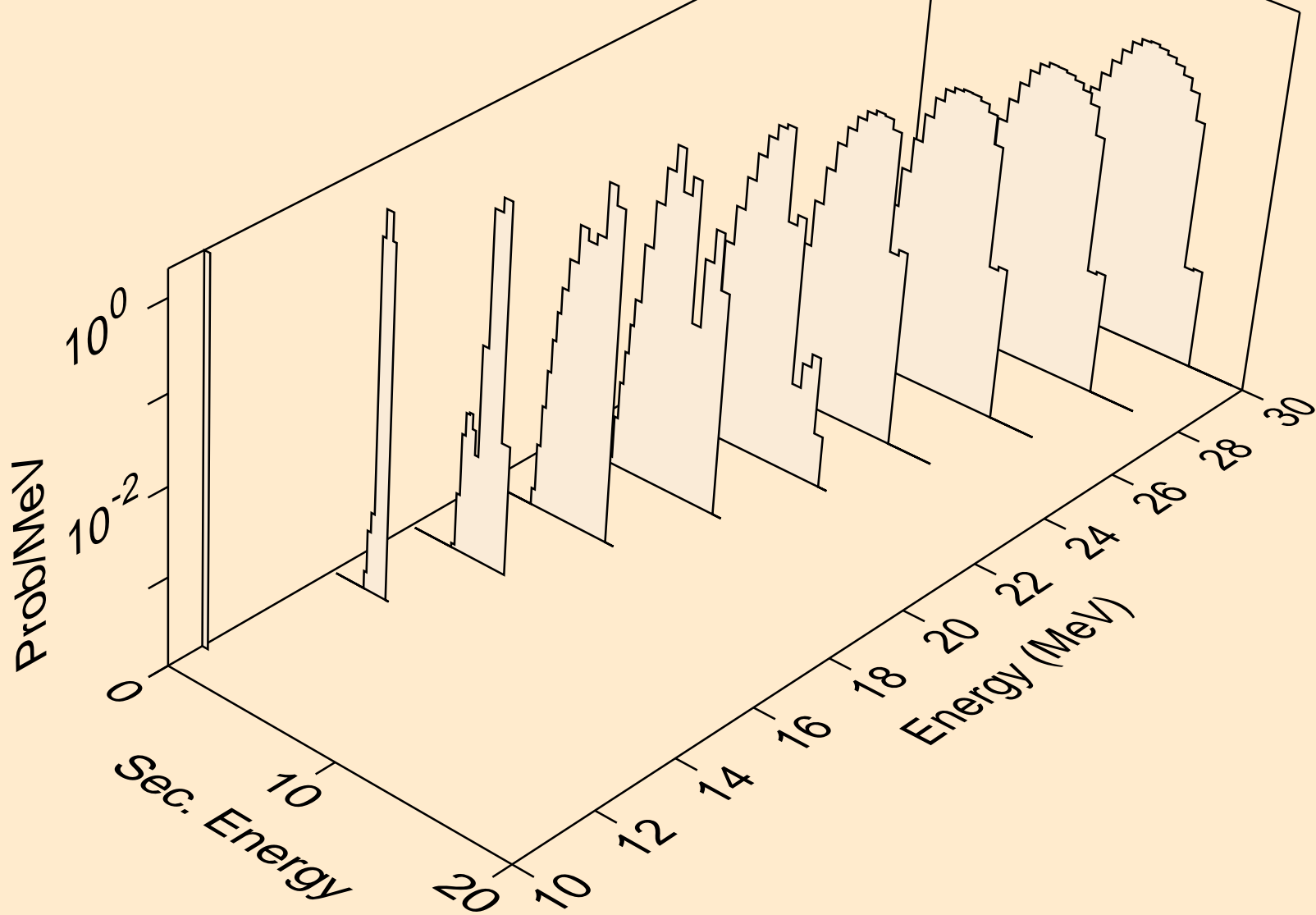
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,x)



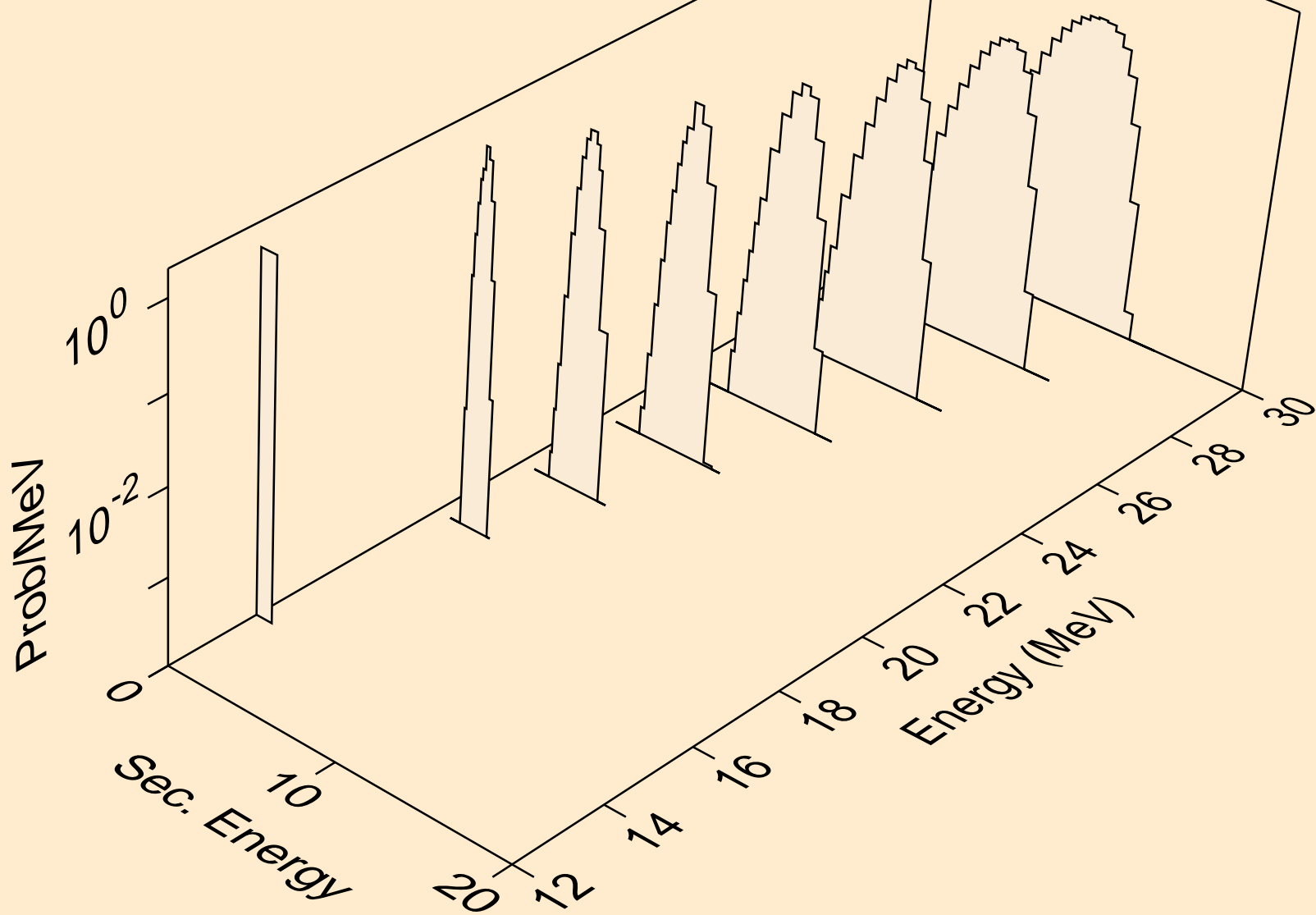
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,n\*)d



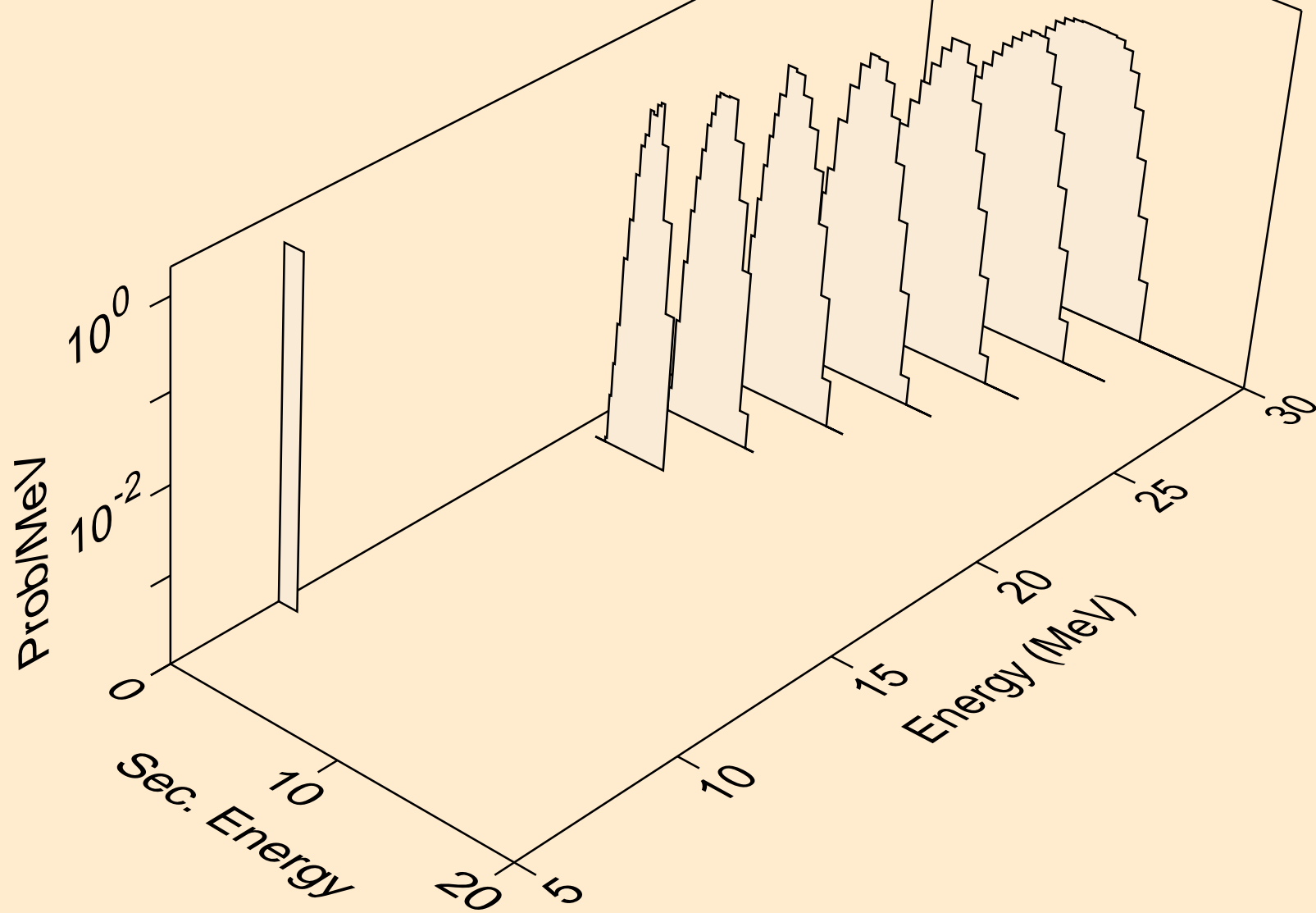
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,d)



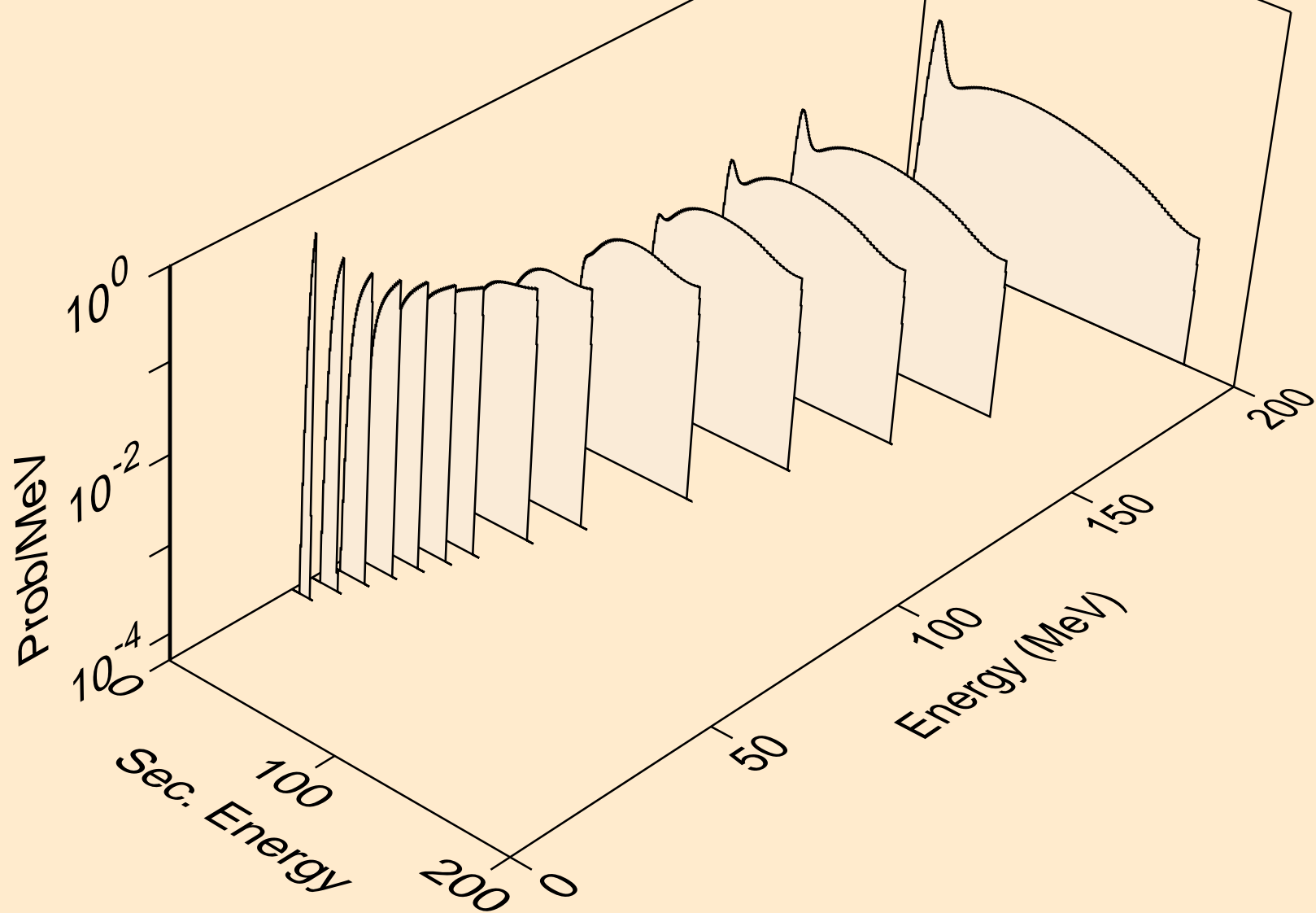
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,pd)



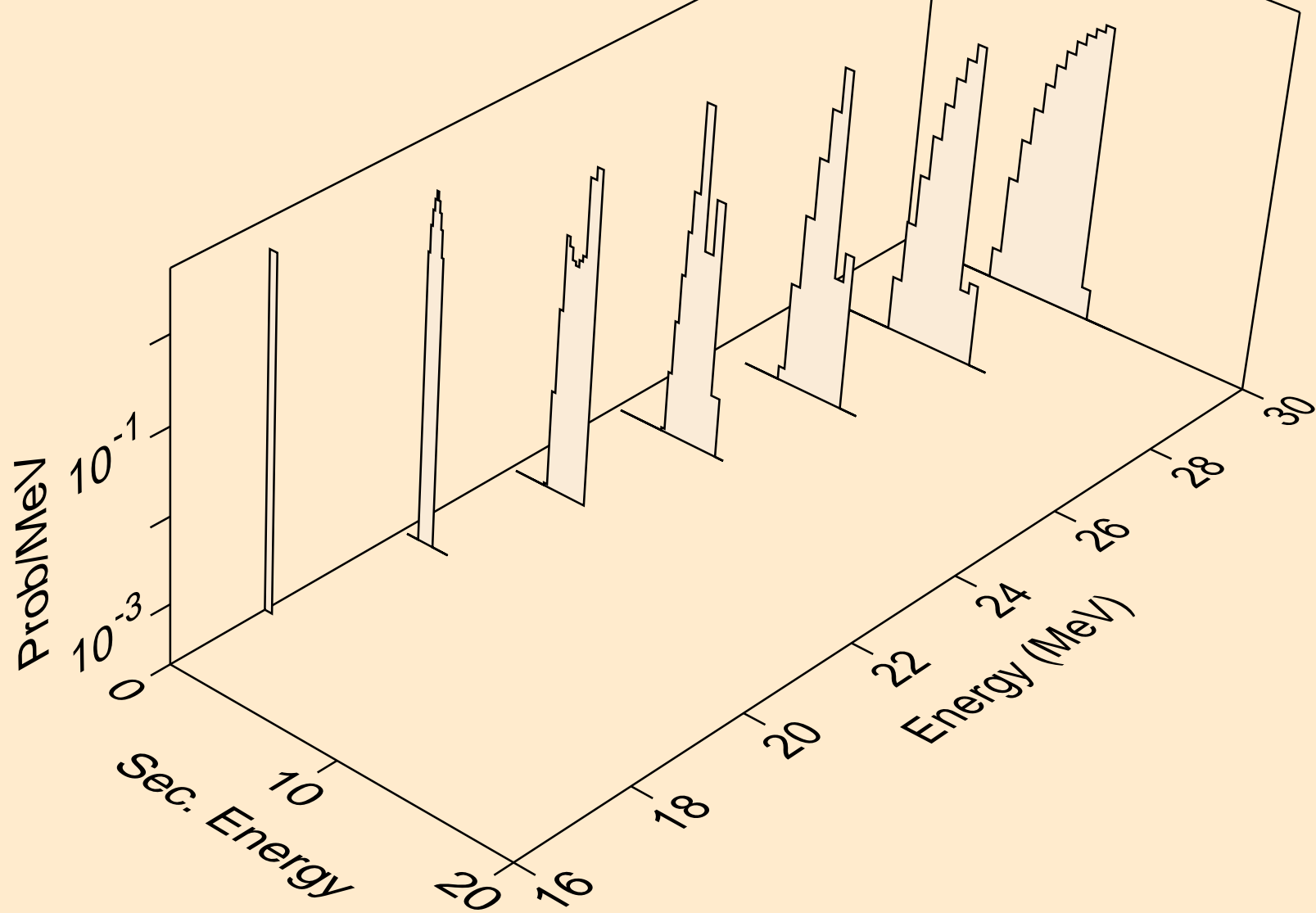
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,da)



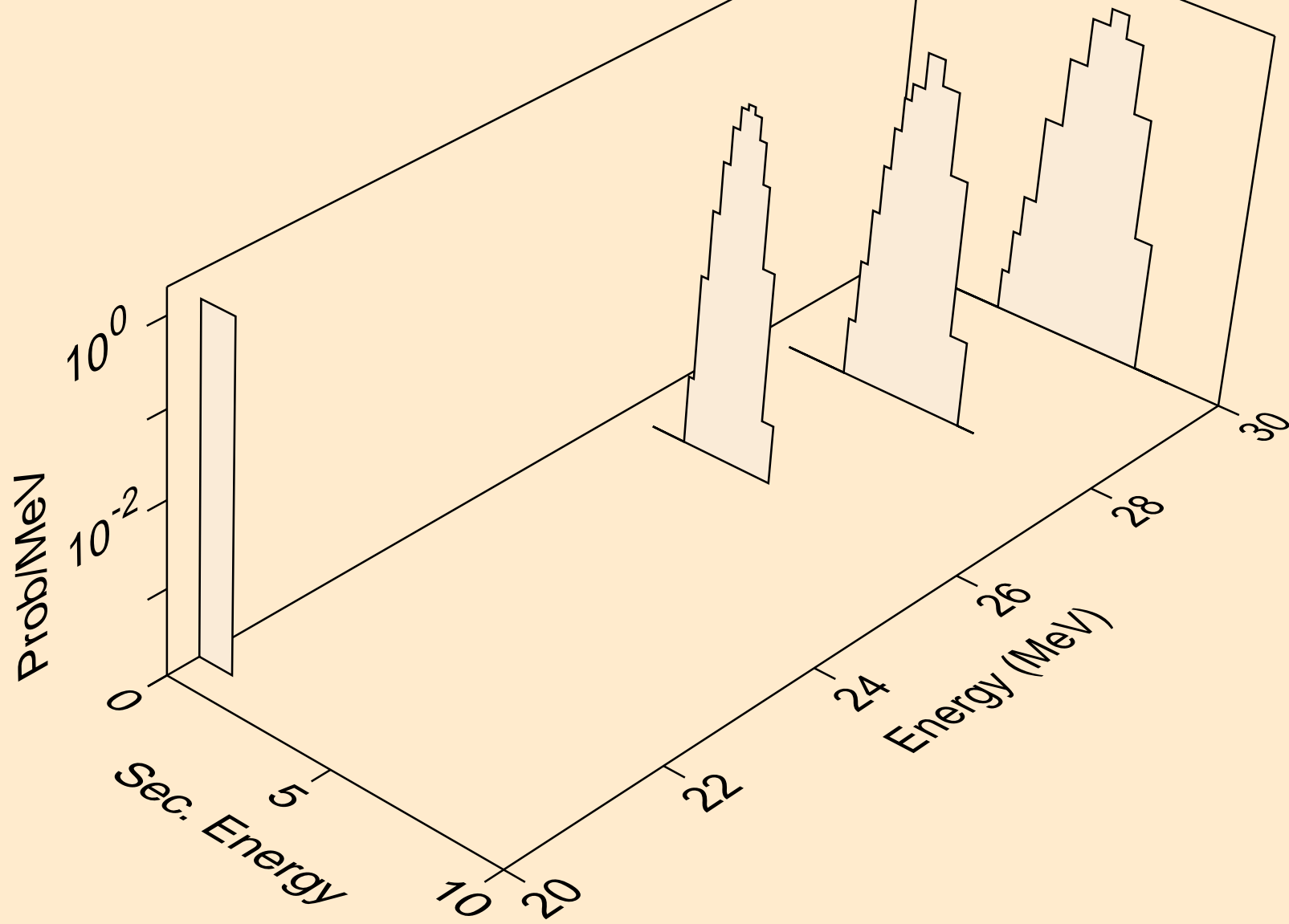
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,x)



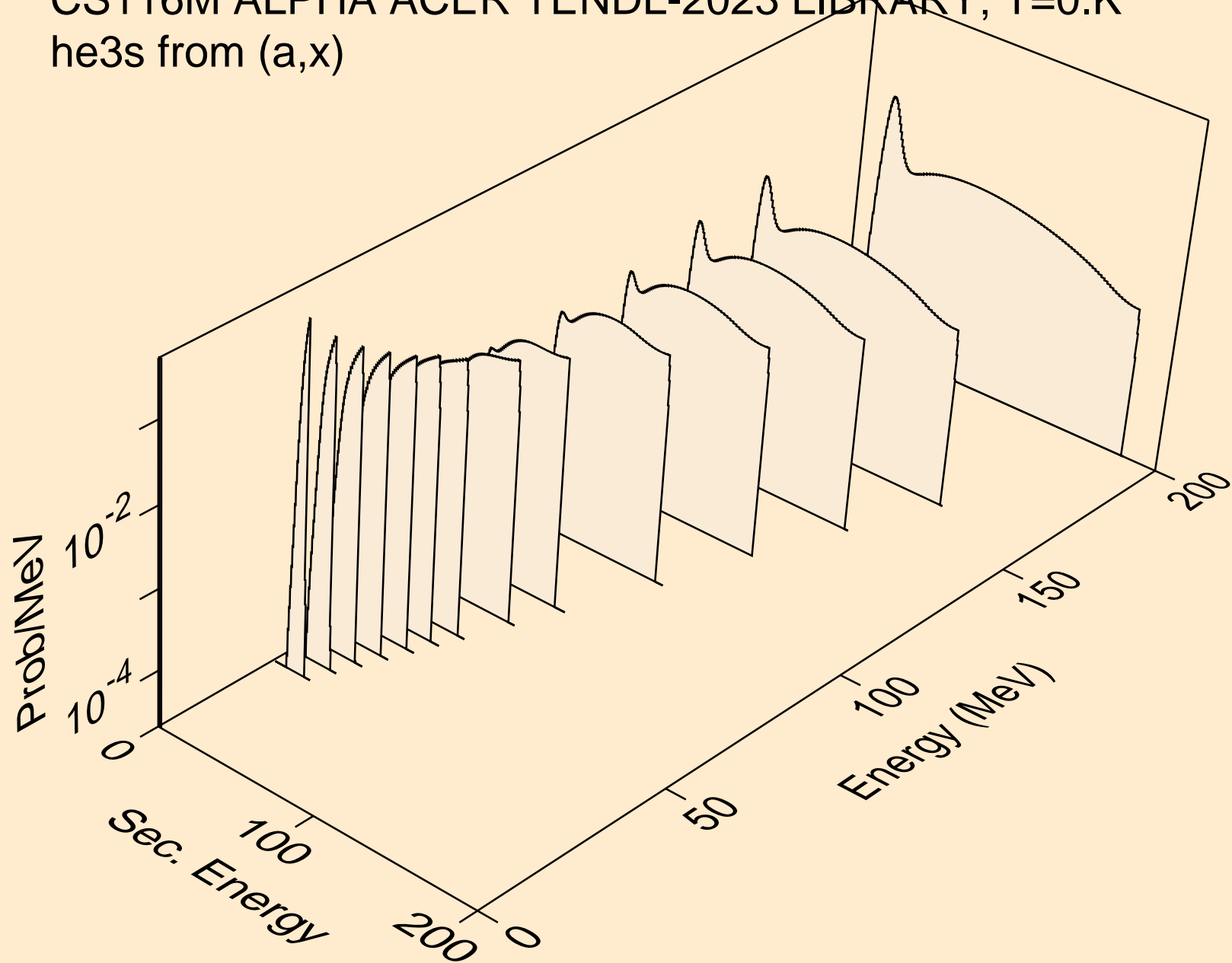
CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,t)



CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,pt)



CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,x)



CS116M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,he3)

