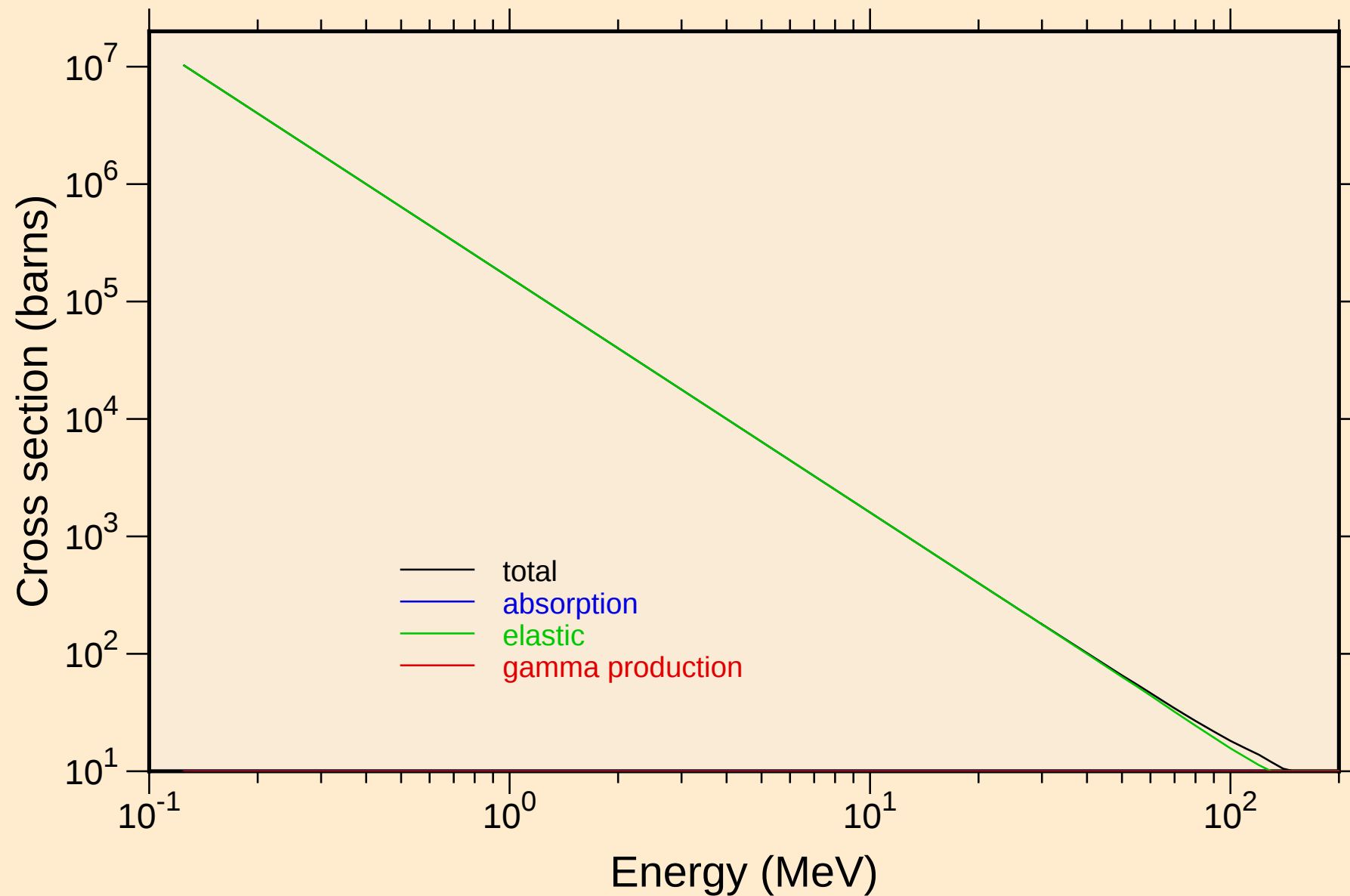


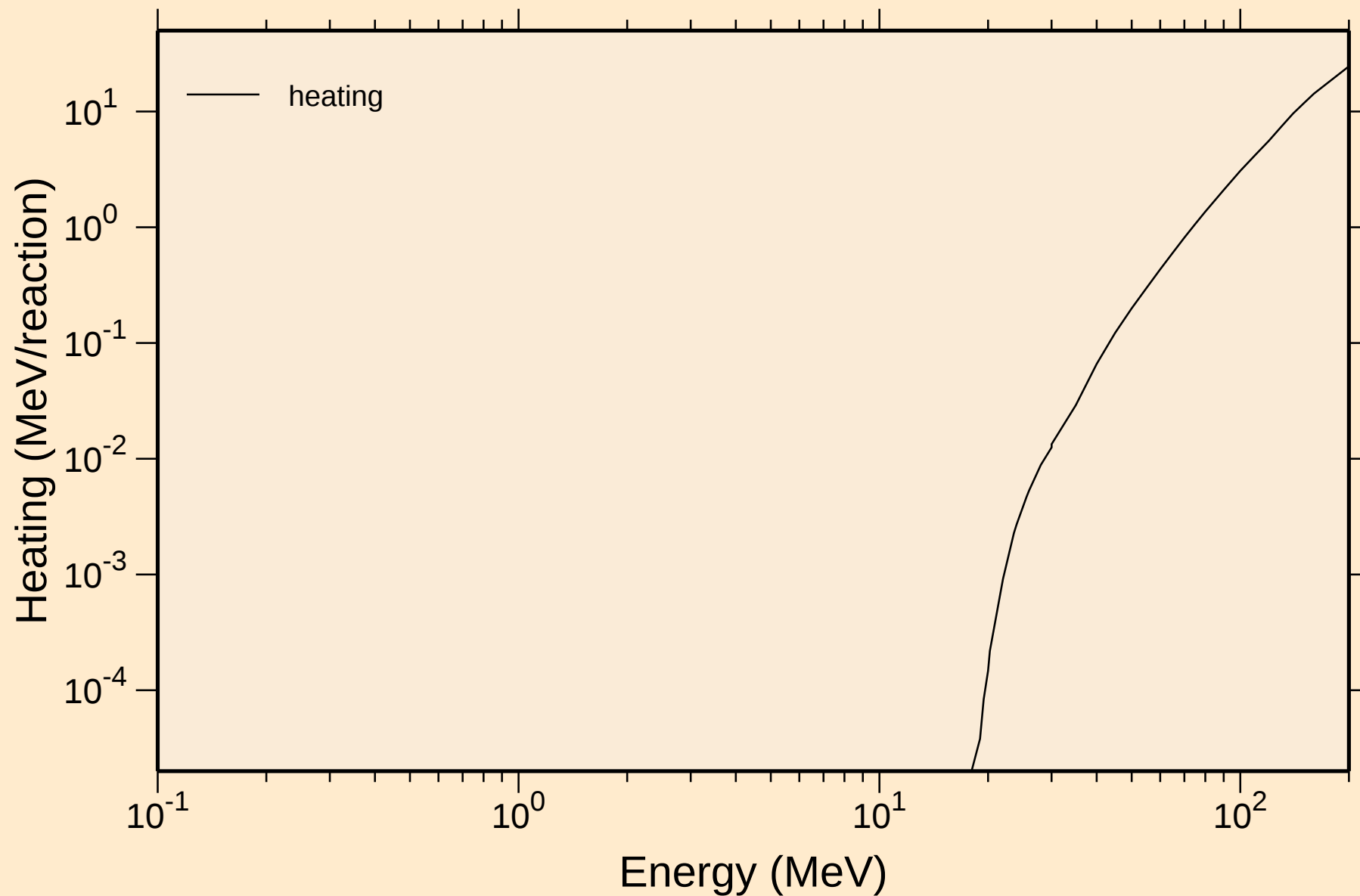
# AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



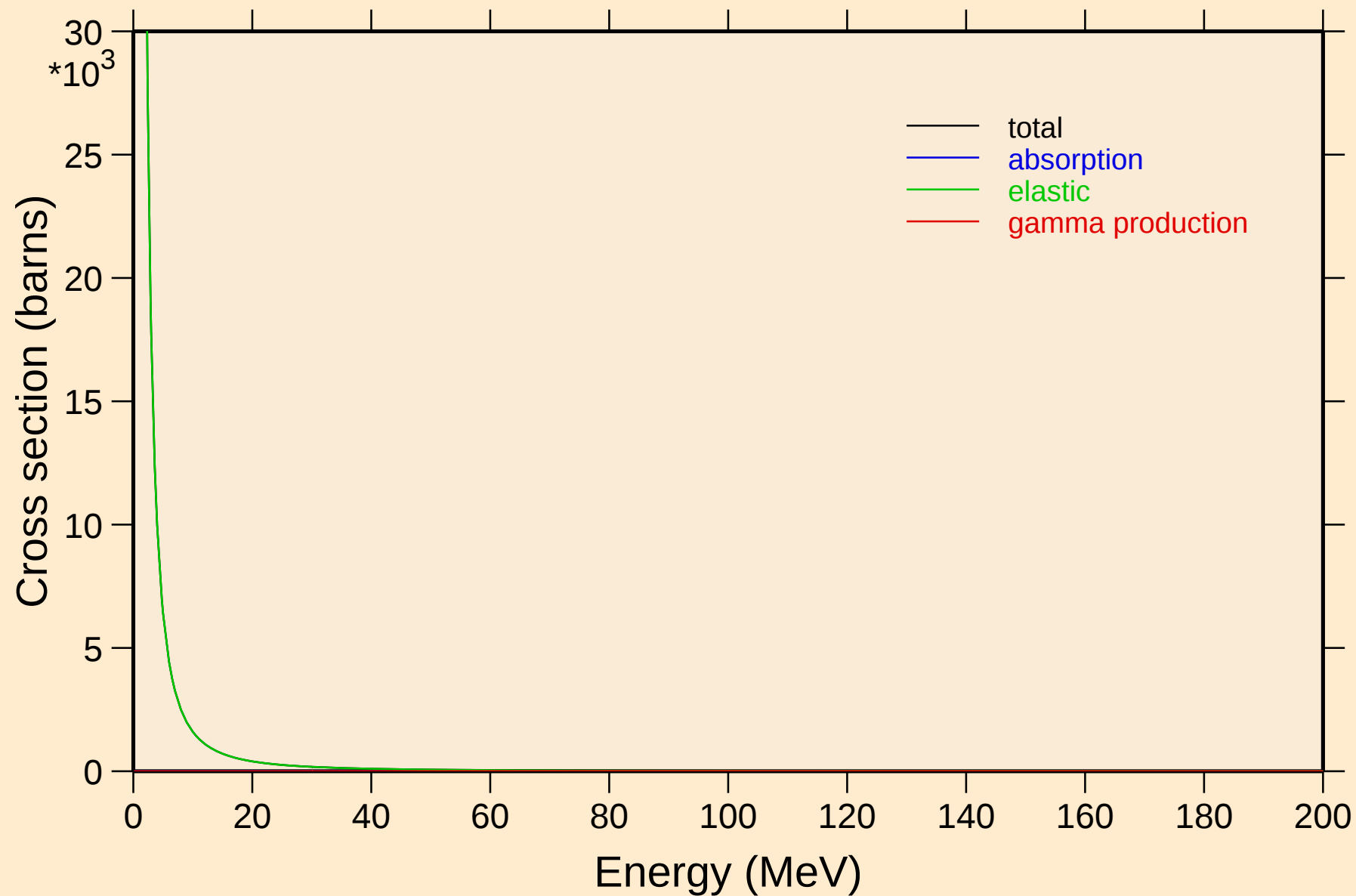
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Heating



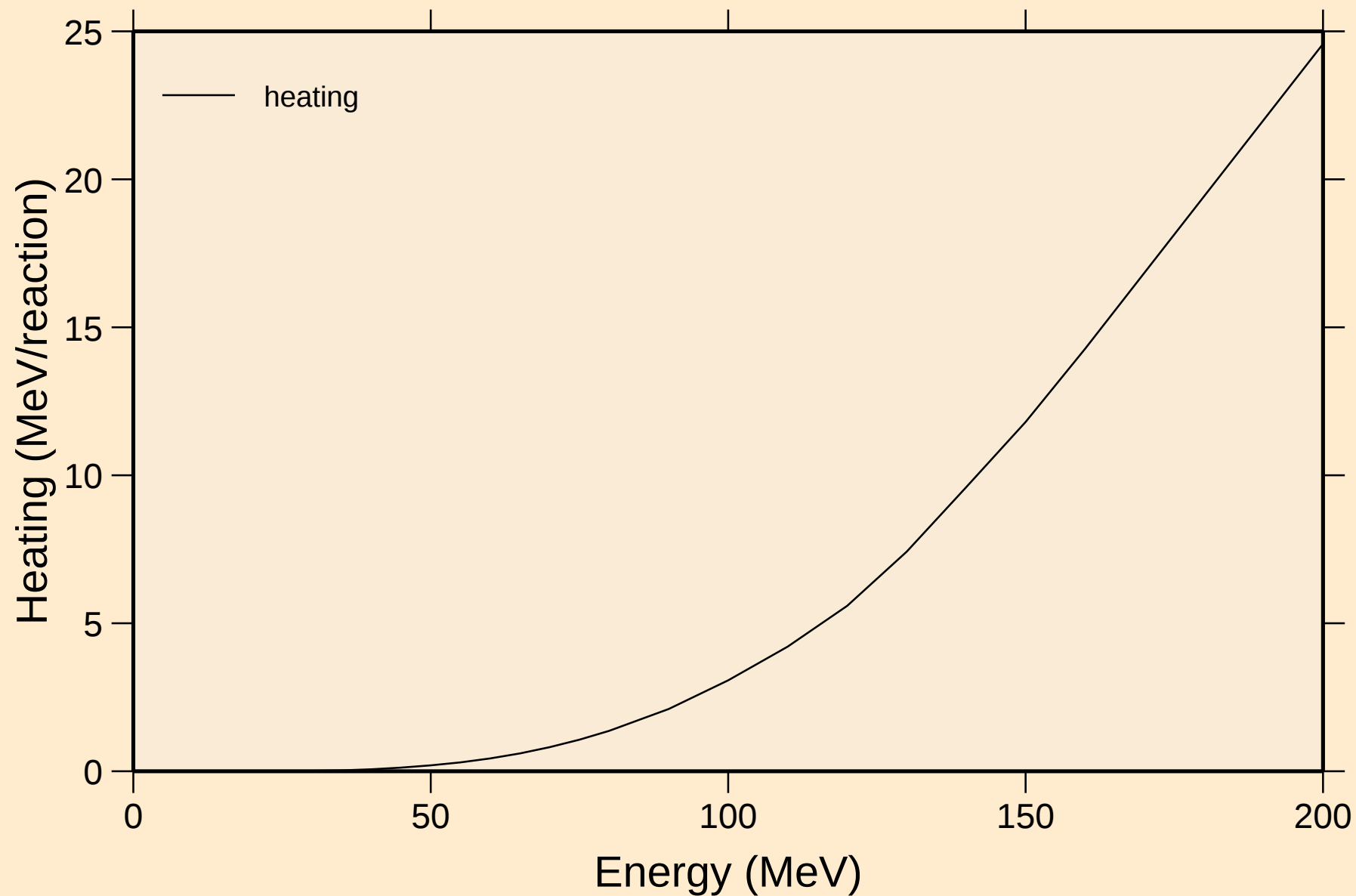
# AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



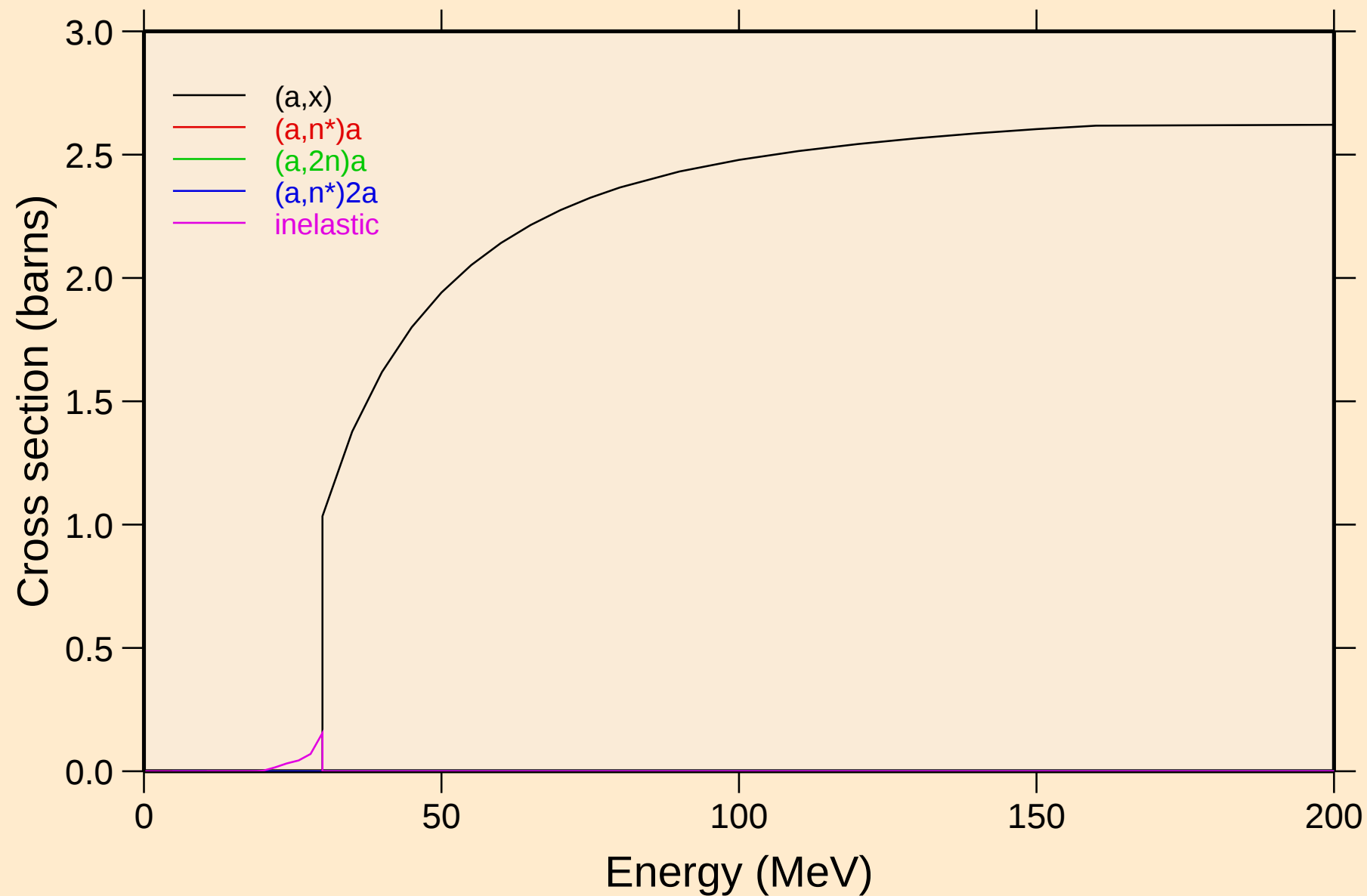
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Heating



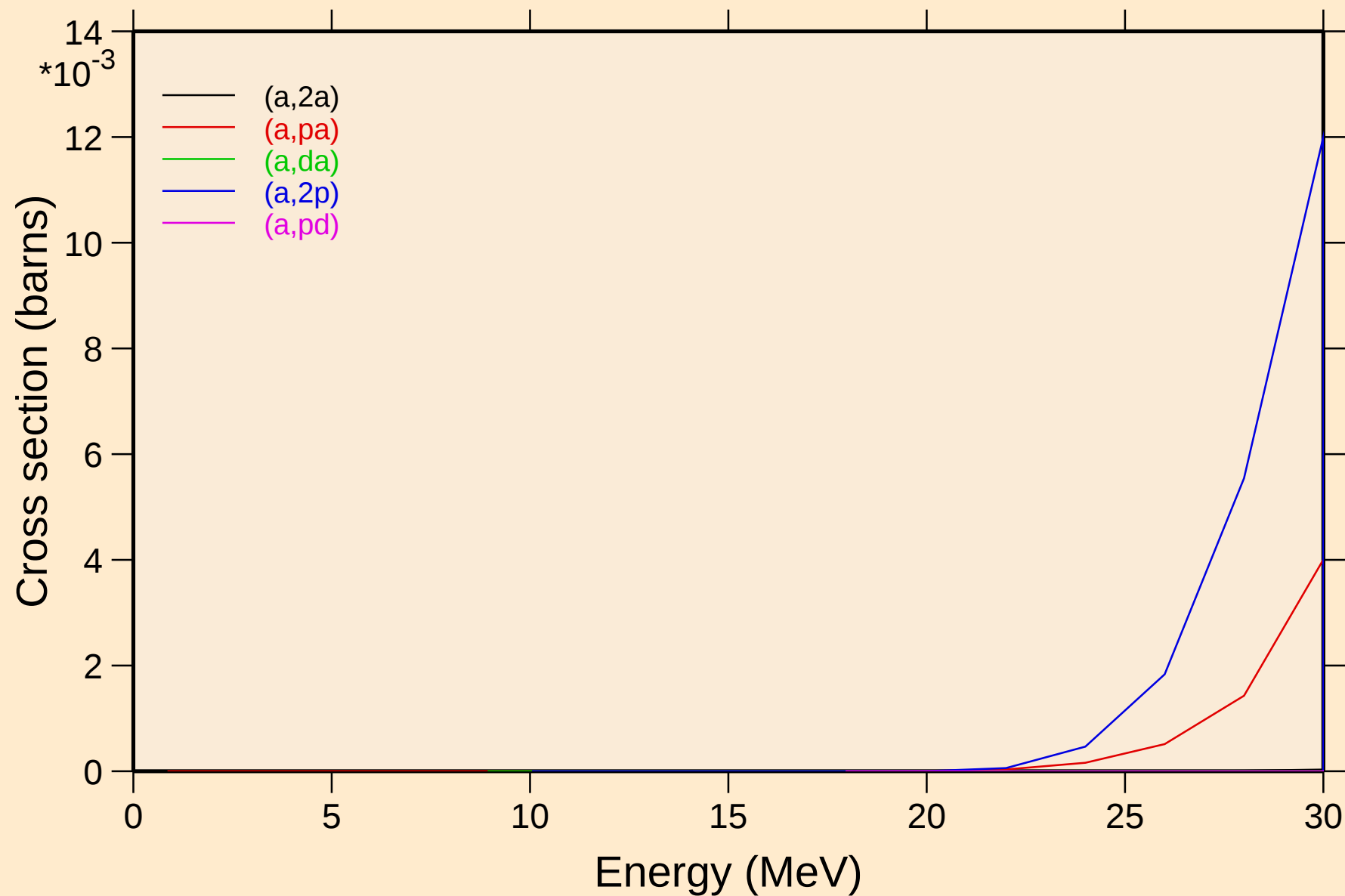
# AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



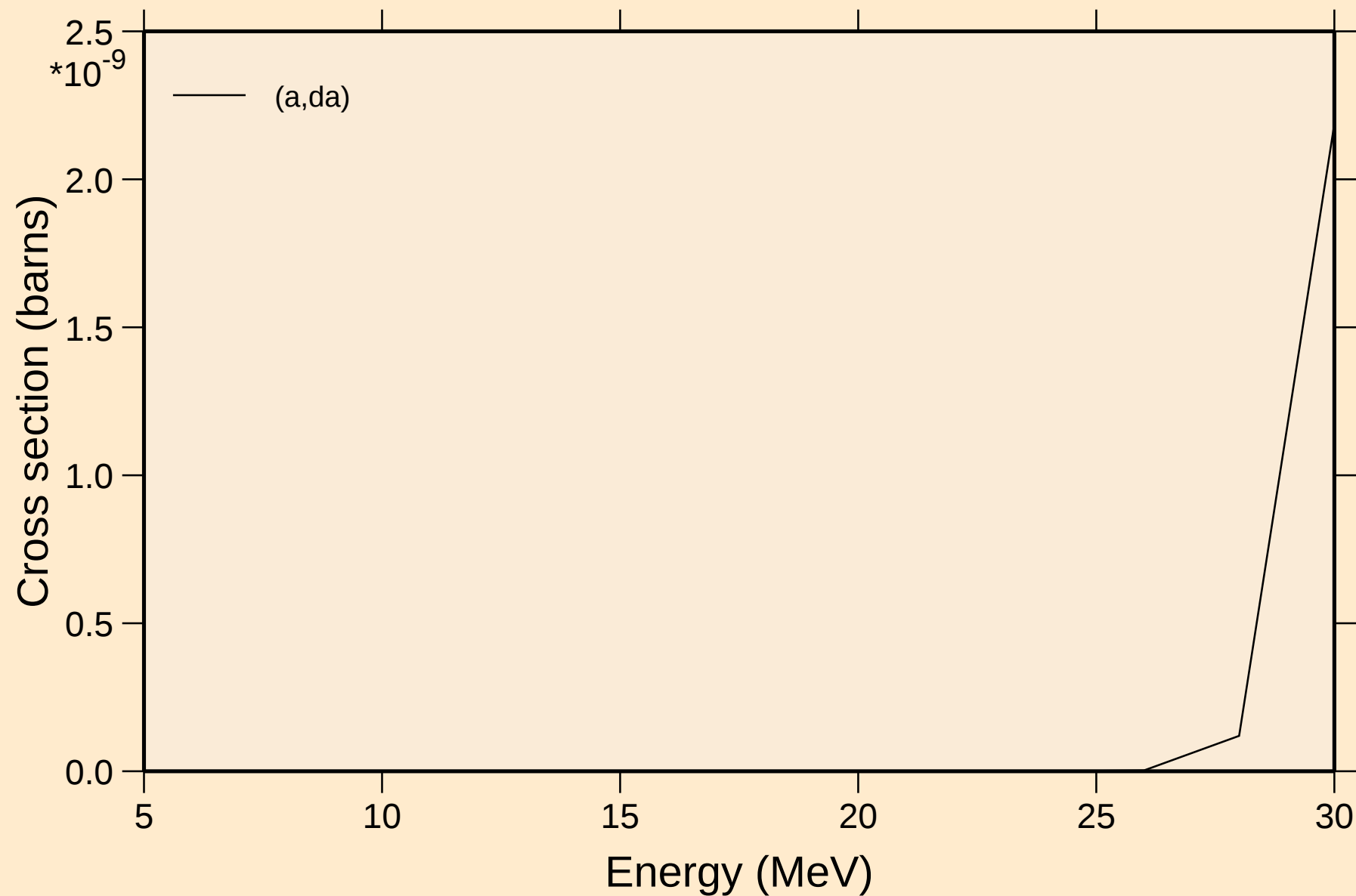
# AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions

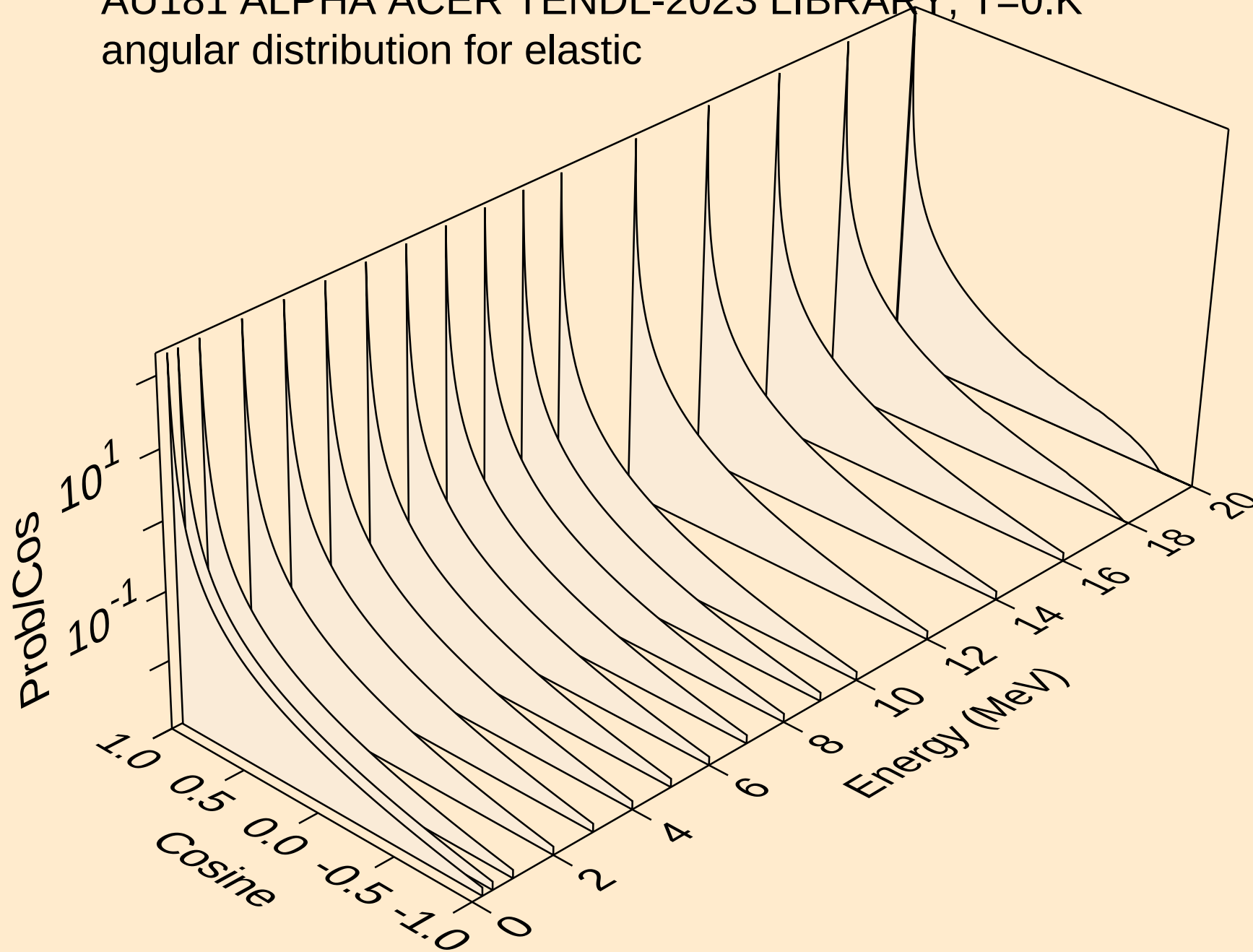


# AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

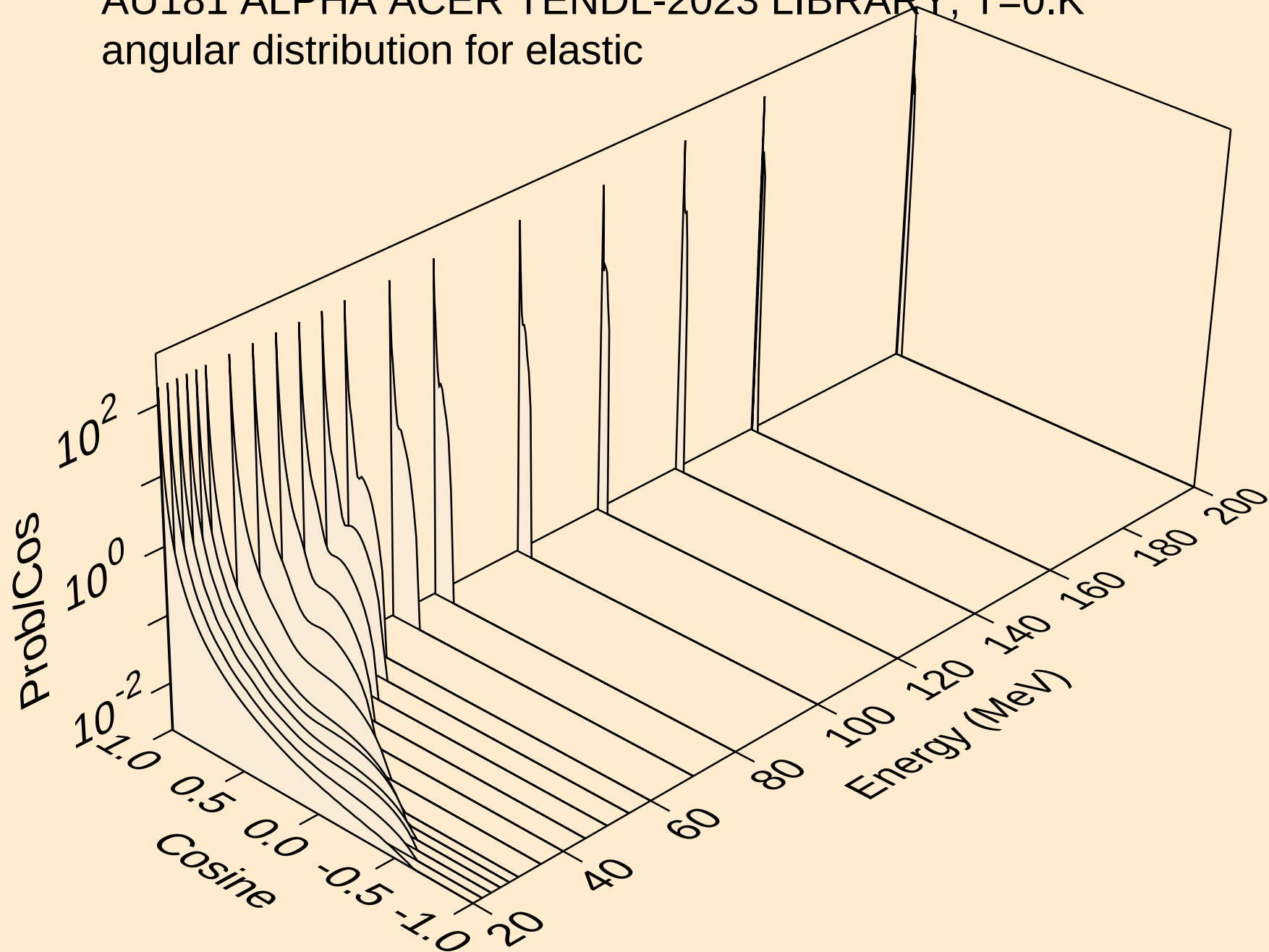
Threshold reactions



AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

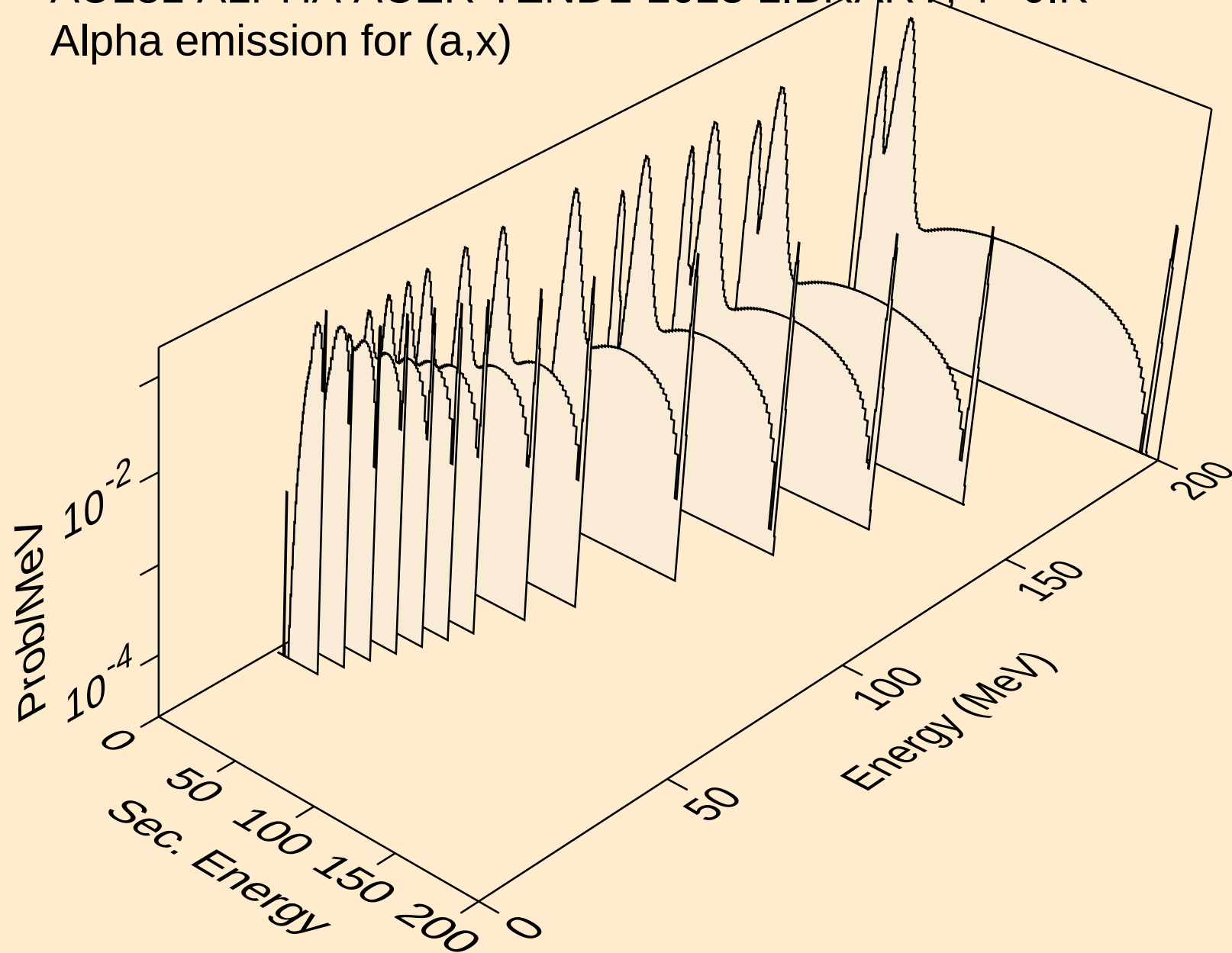


AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



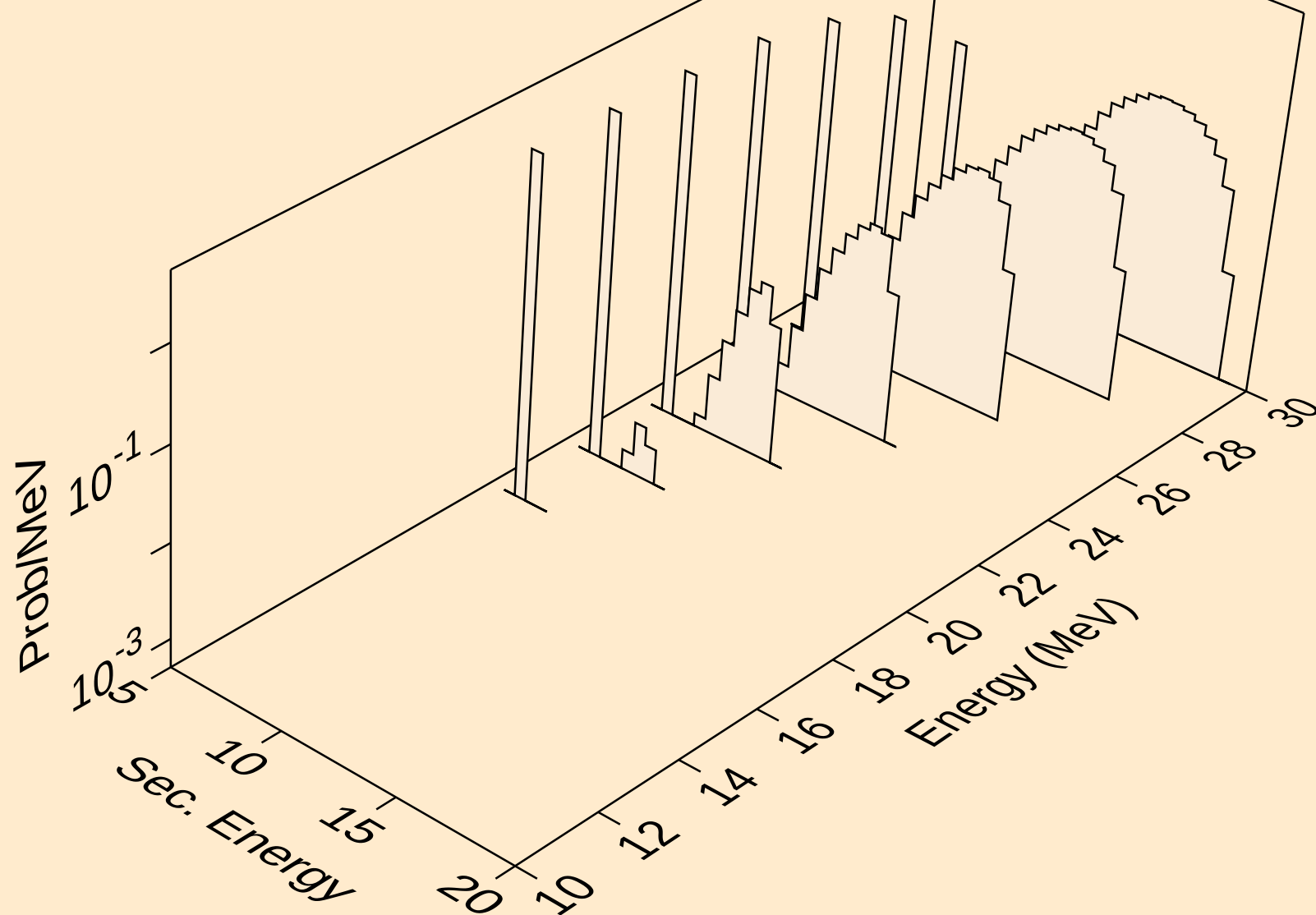
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,x)



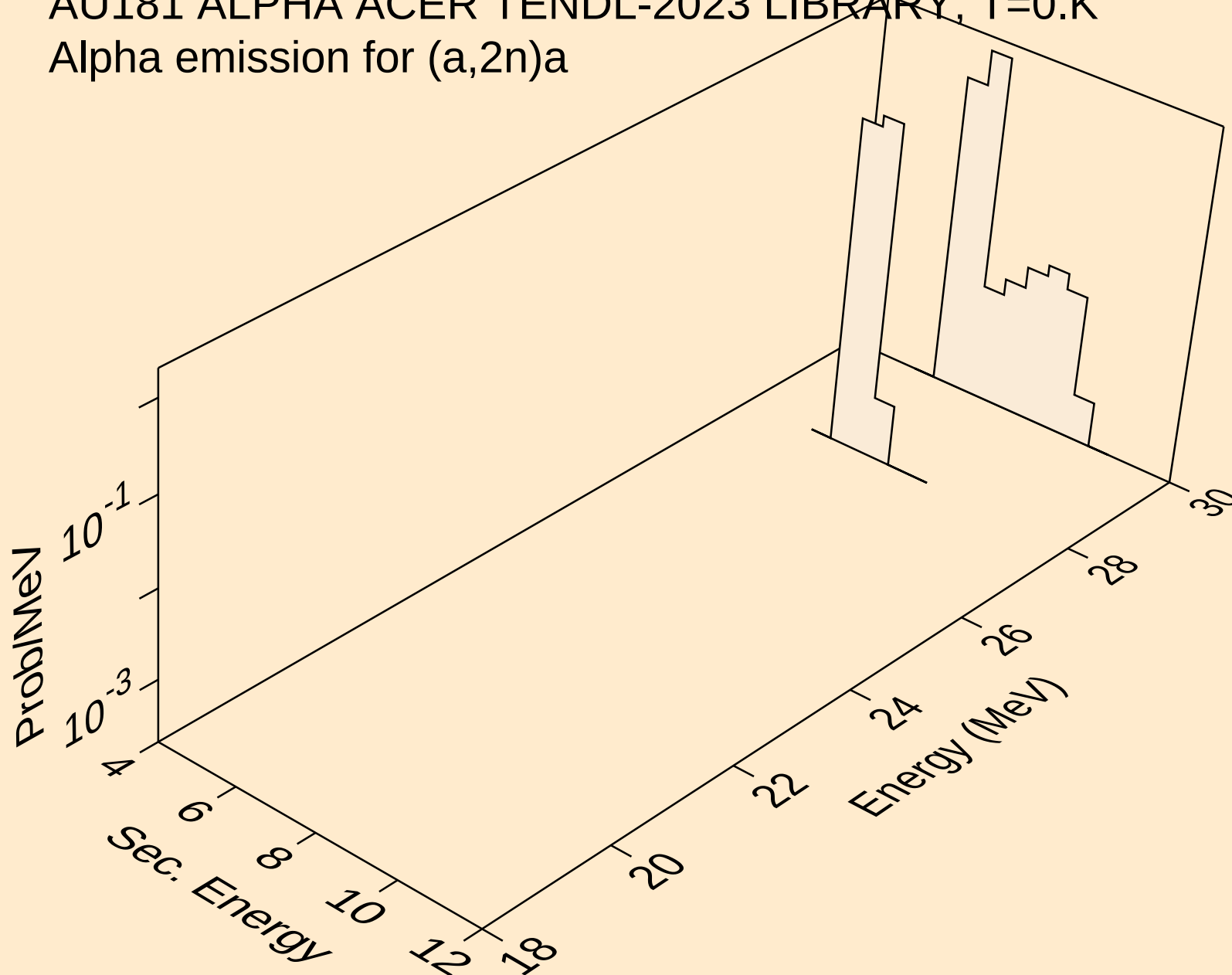
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,n\*)a



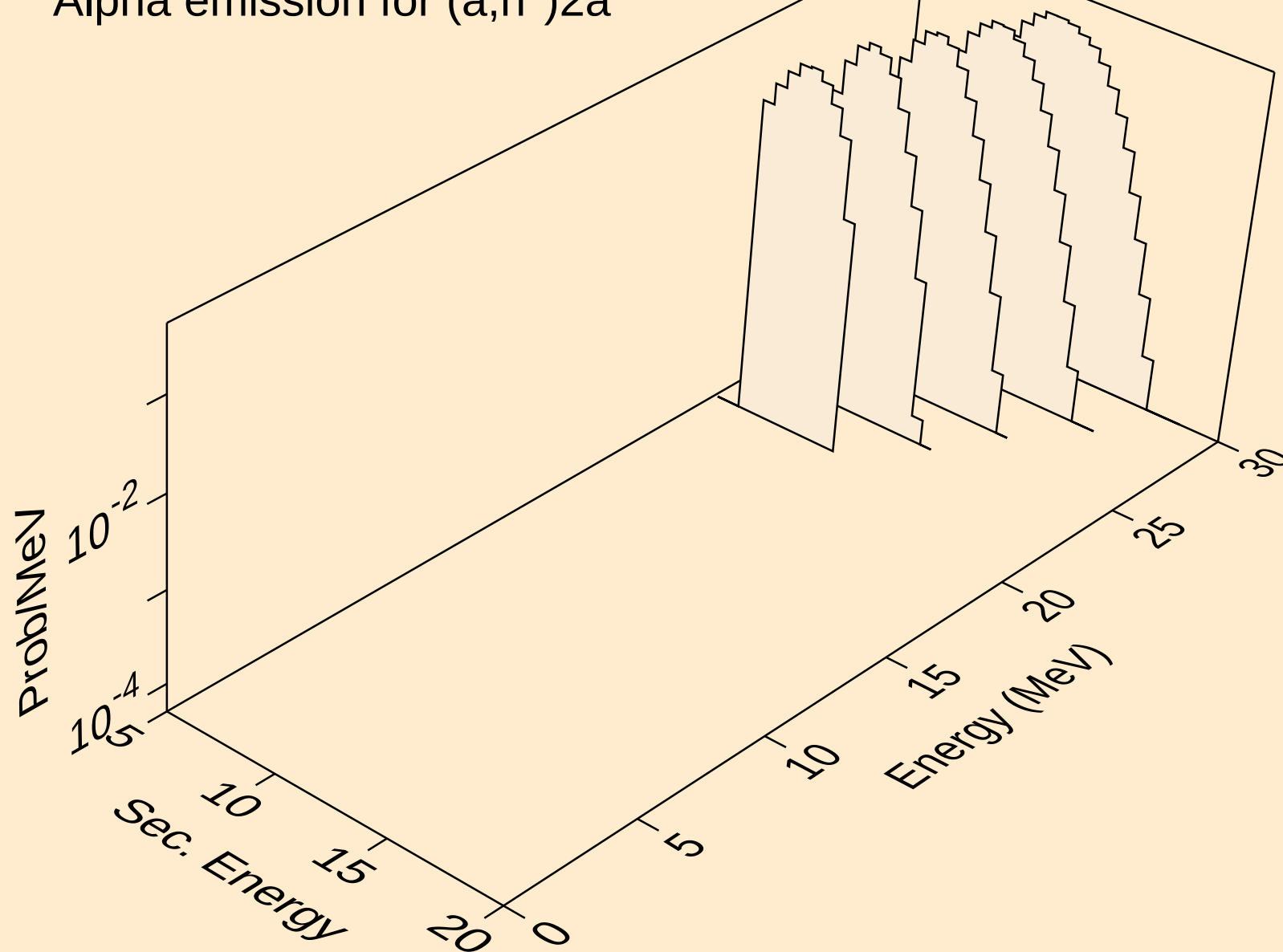
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for (a,2n)a



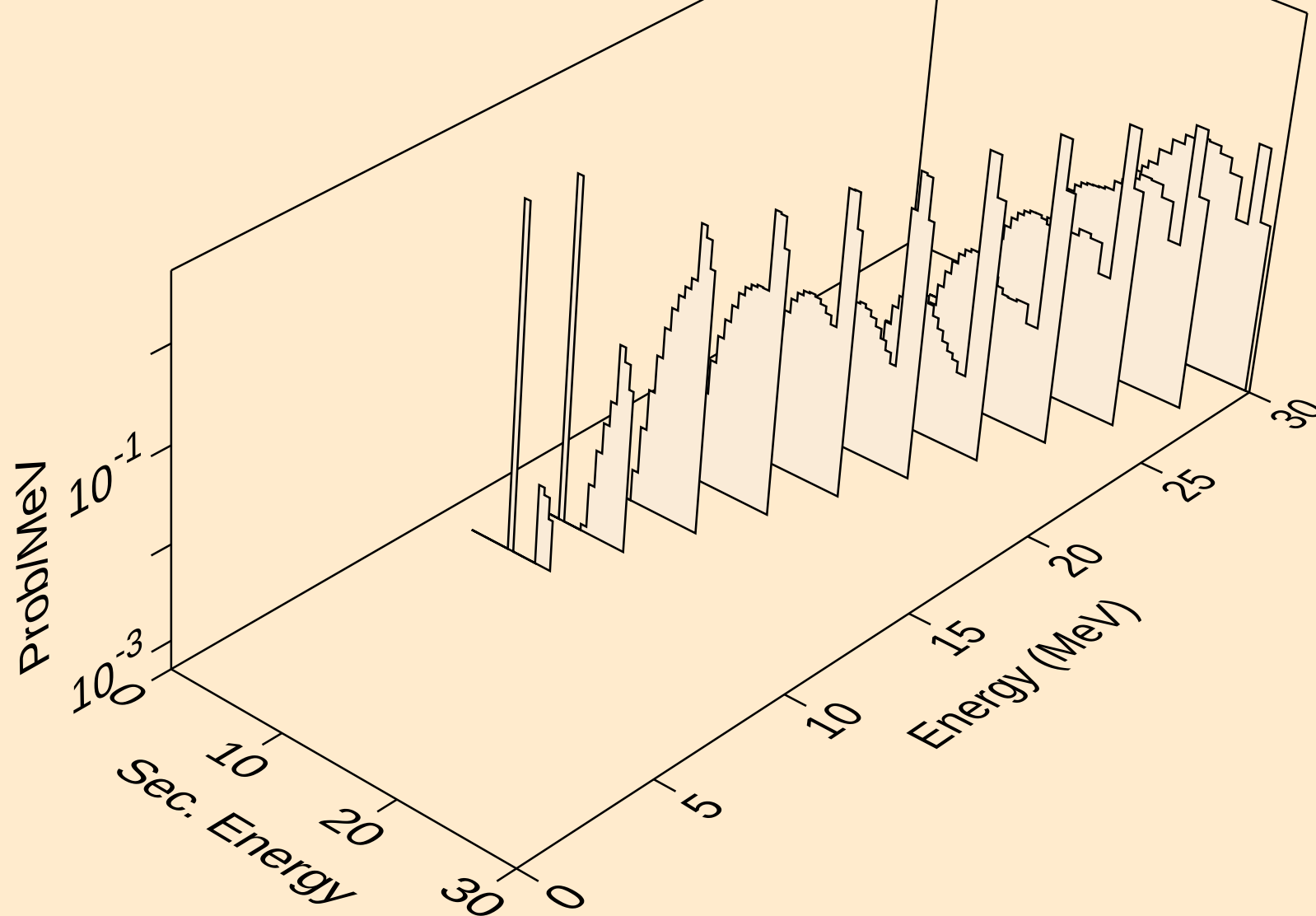
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Alpha emission for  $(\alpha, n^*)2\alpha$

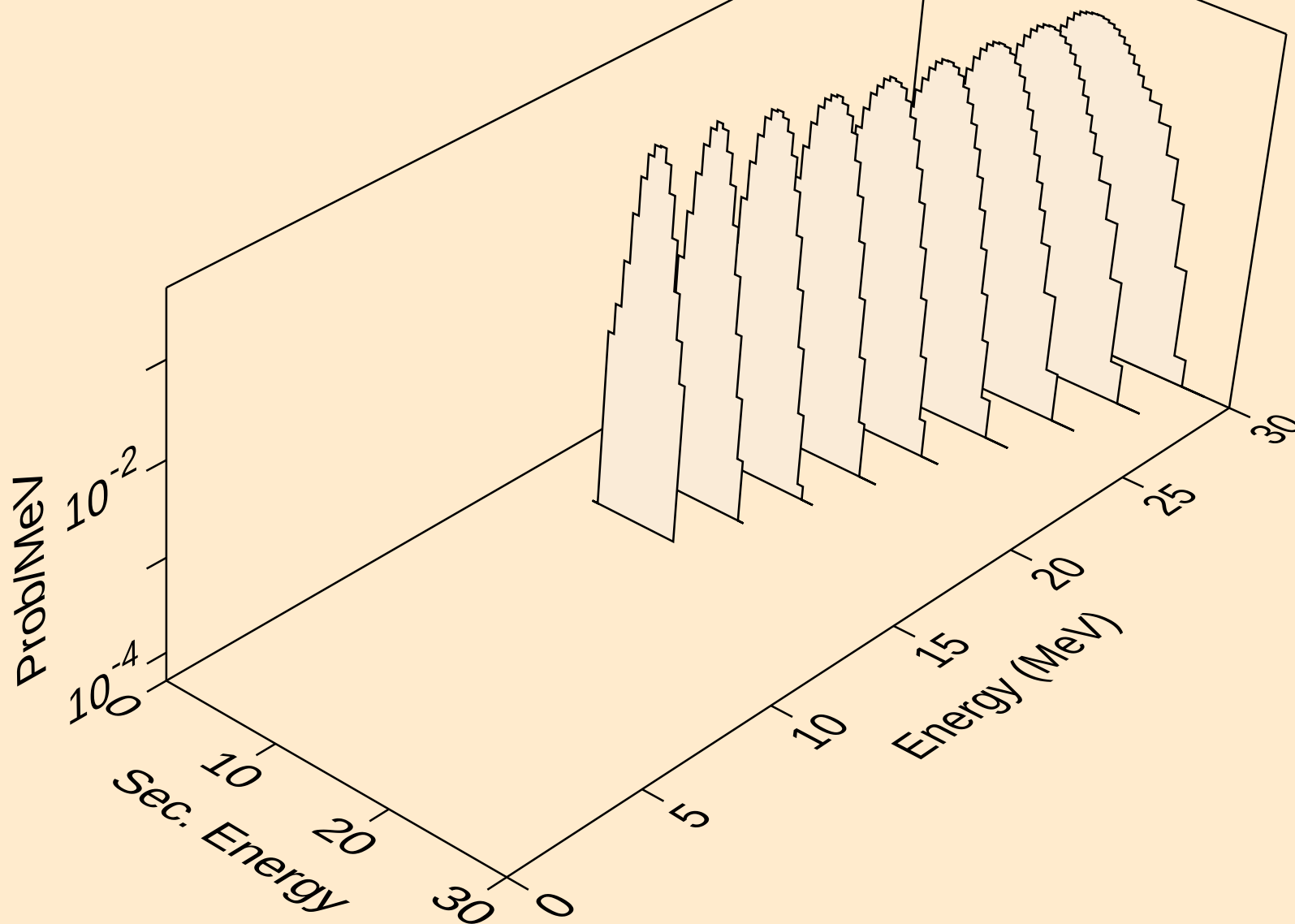


AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

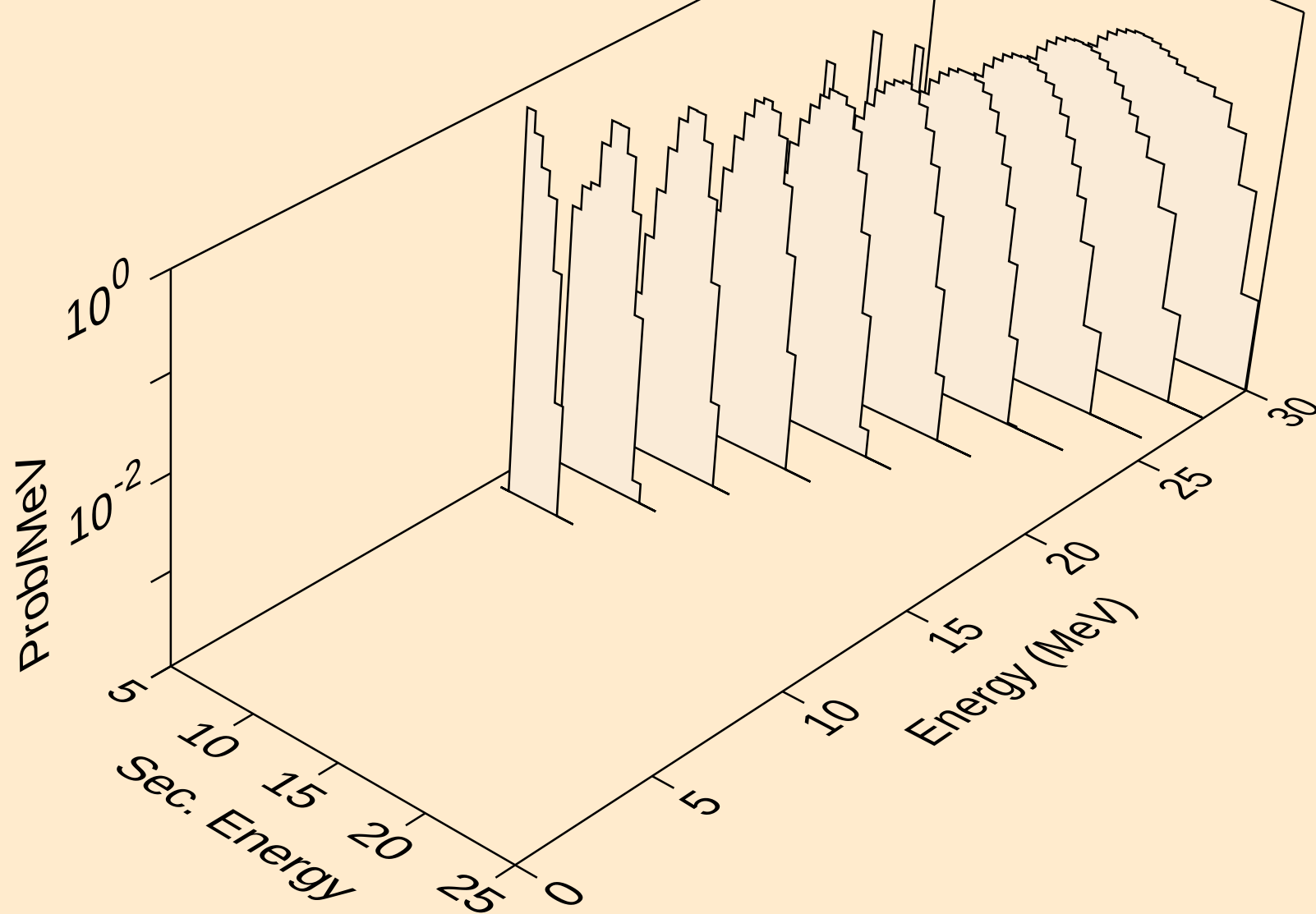
Alpha emission for inelastic



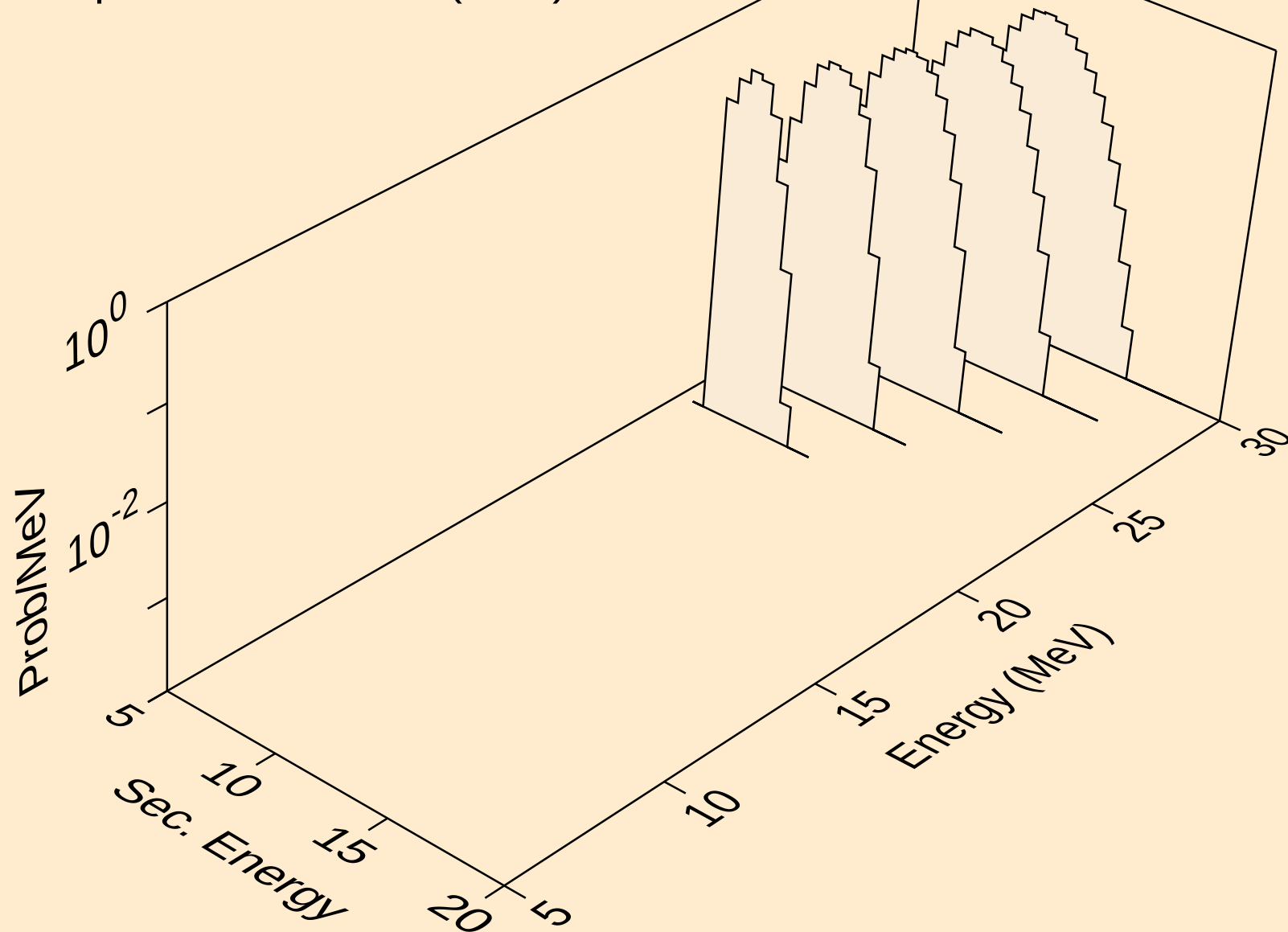
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2a)



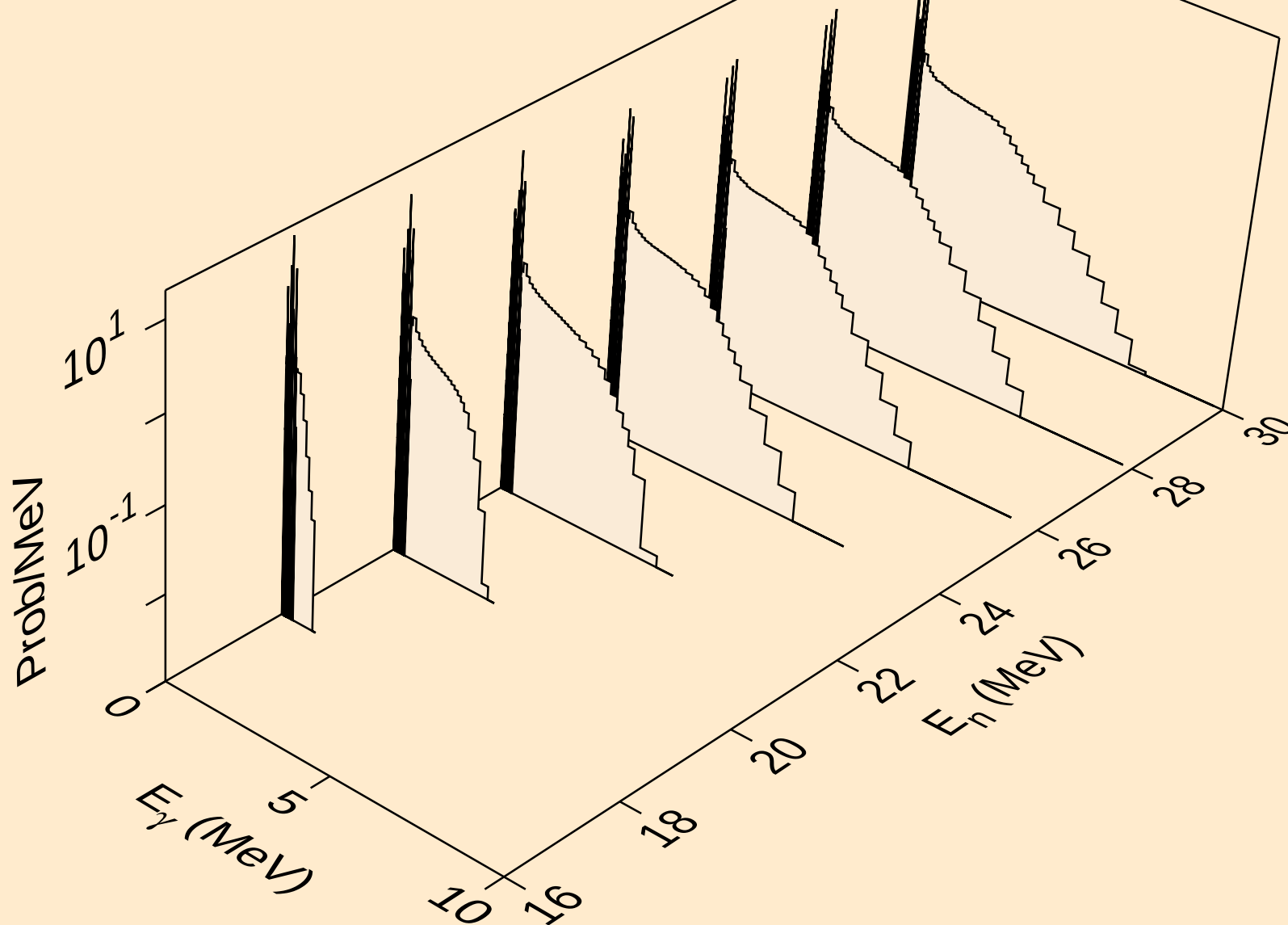
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,pa)



AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,da)

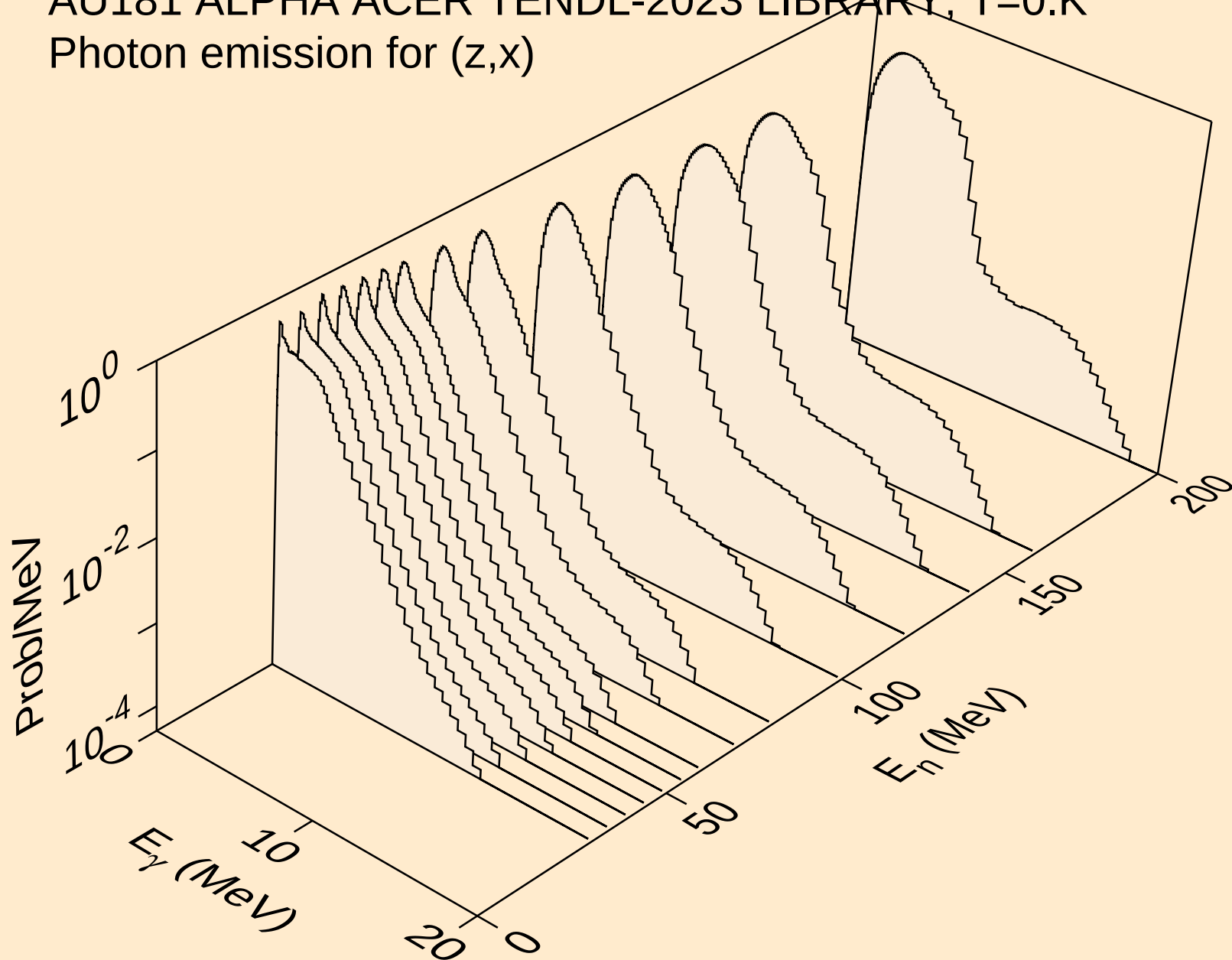


AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)

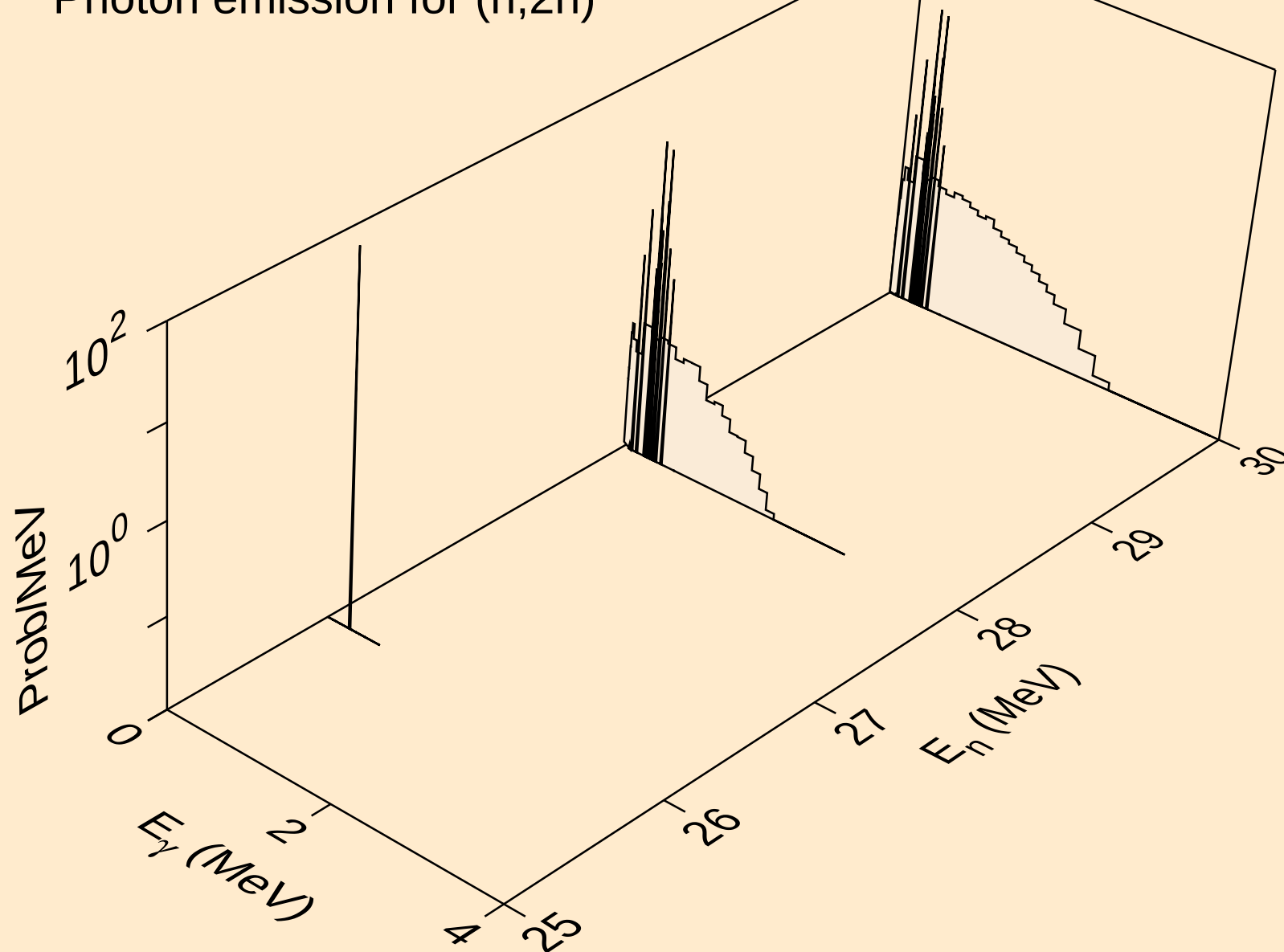


AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

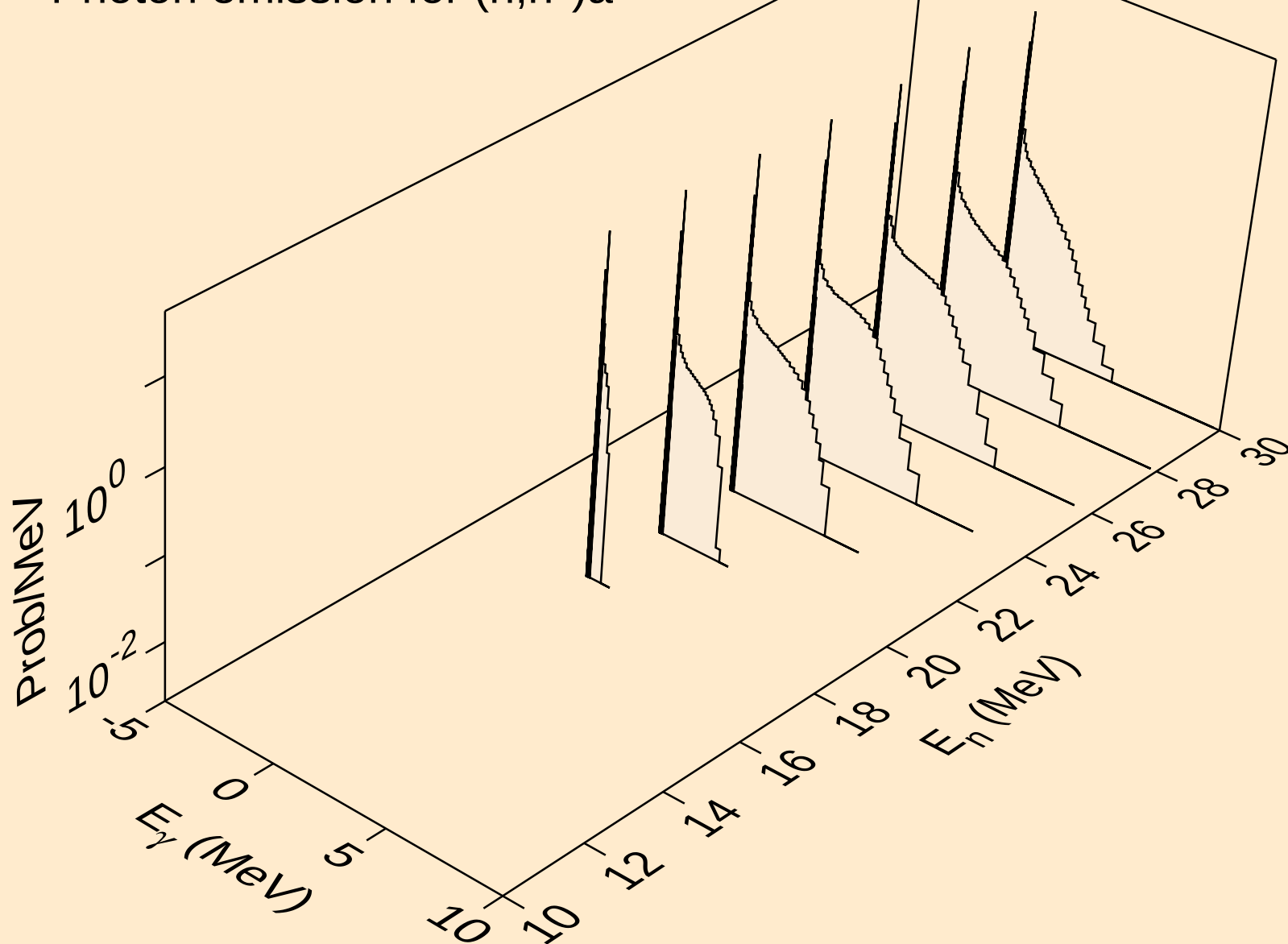
Photon emission for (z,x)



AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

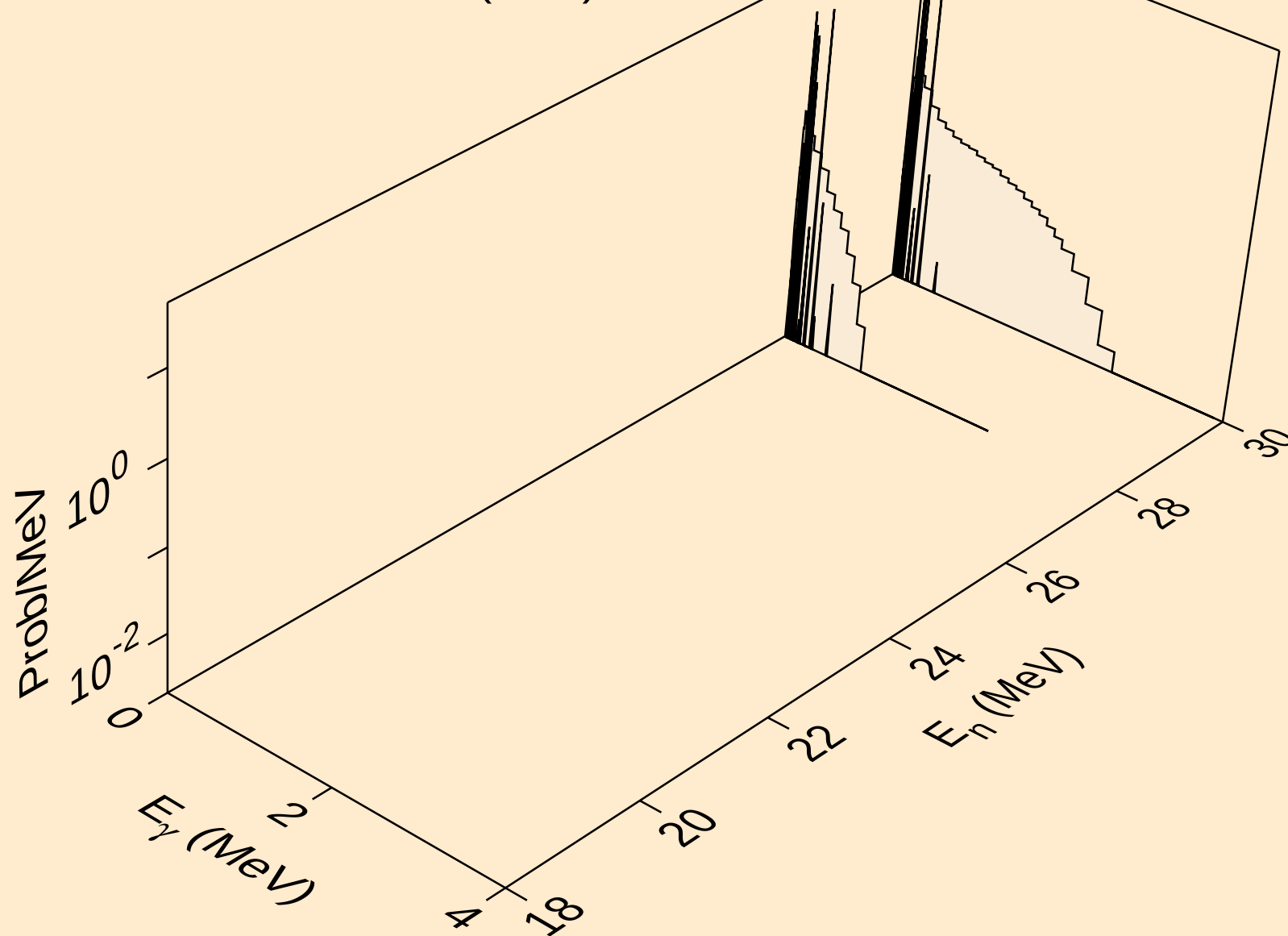


AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

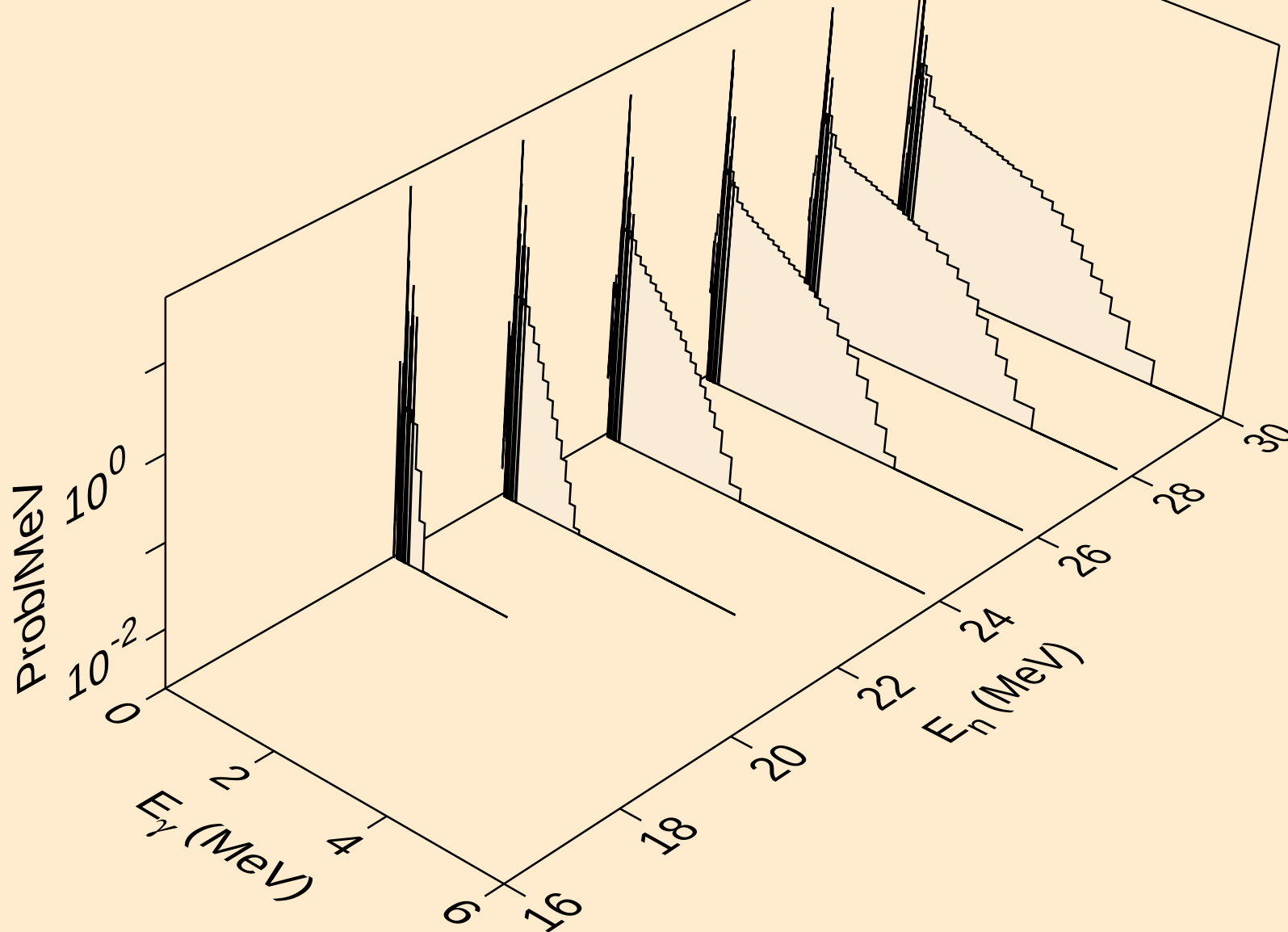


AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

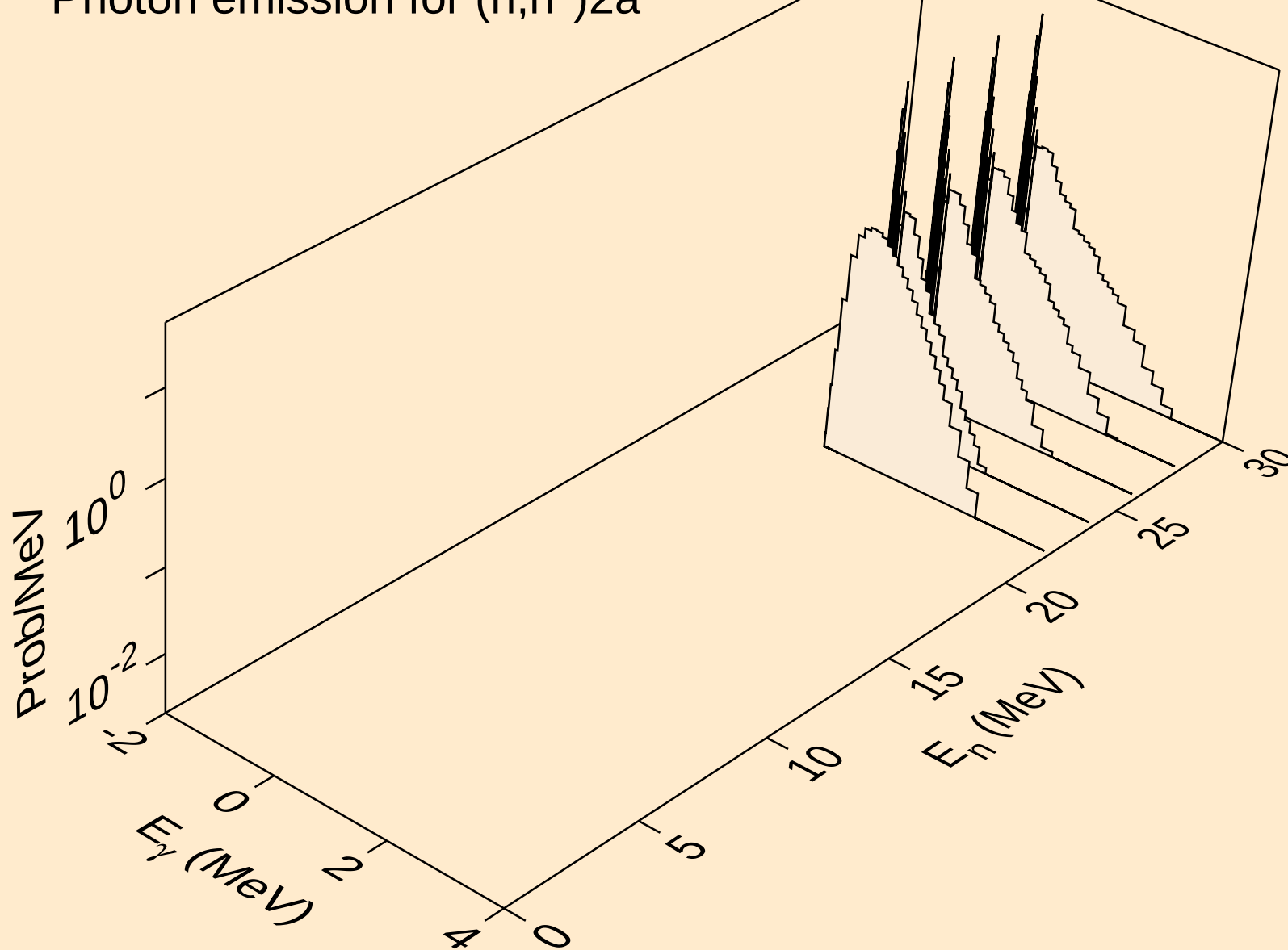
Photon emission for (n,2n) $\alpha$



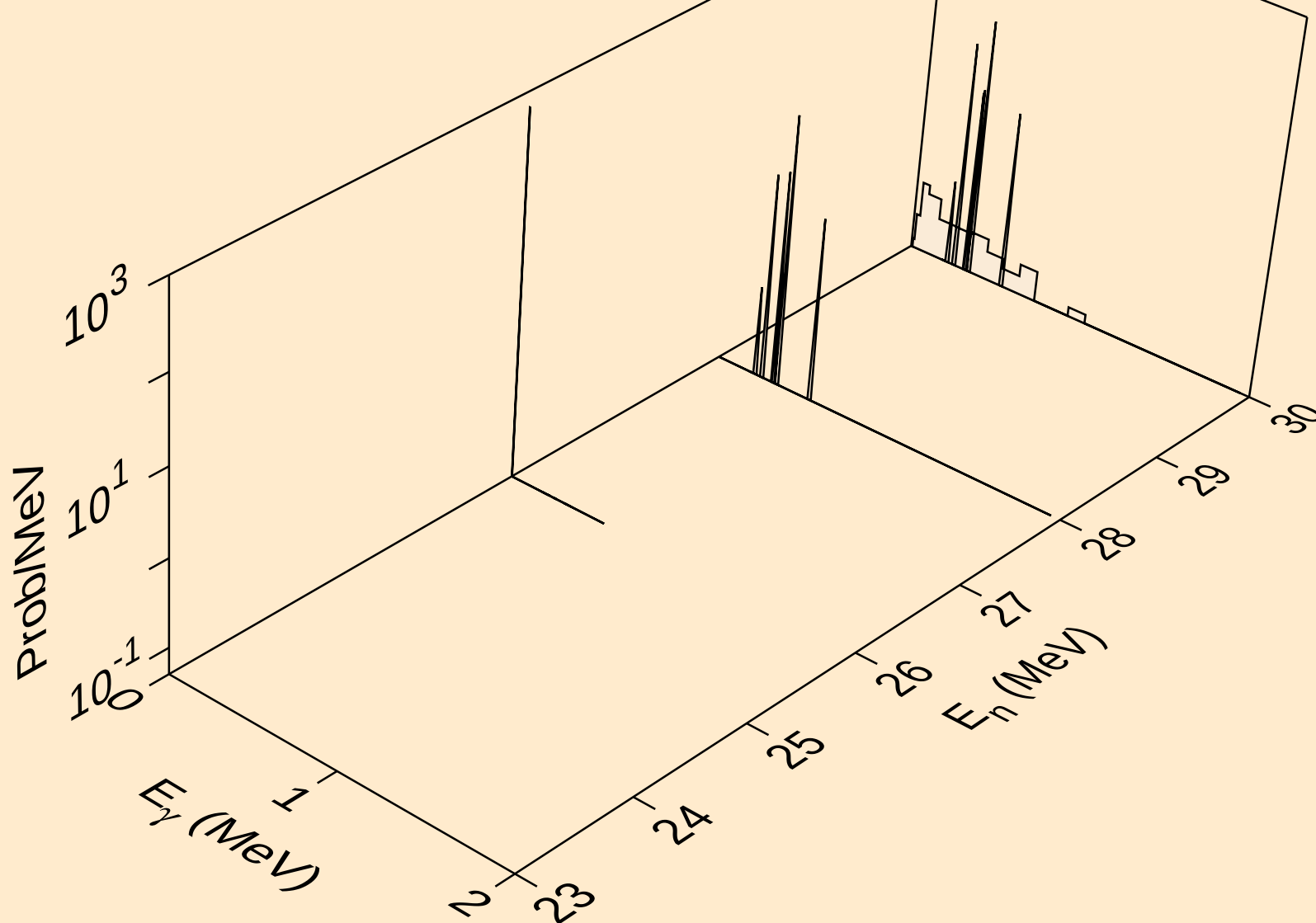
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



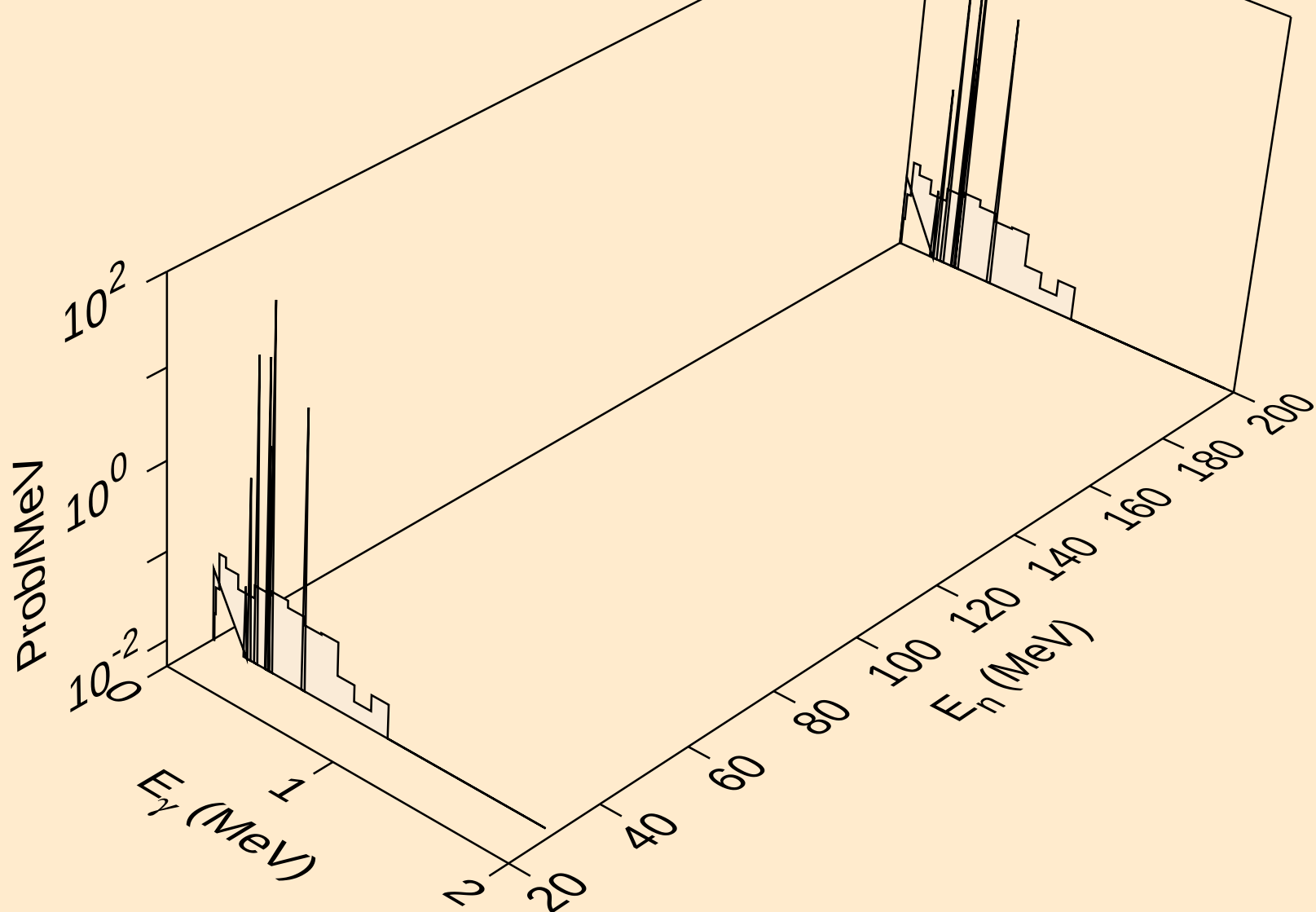
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



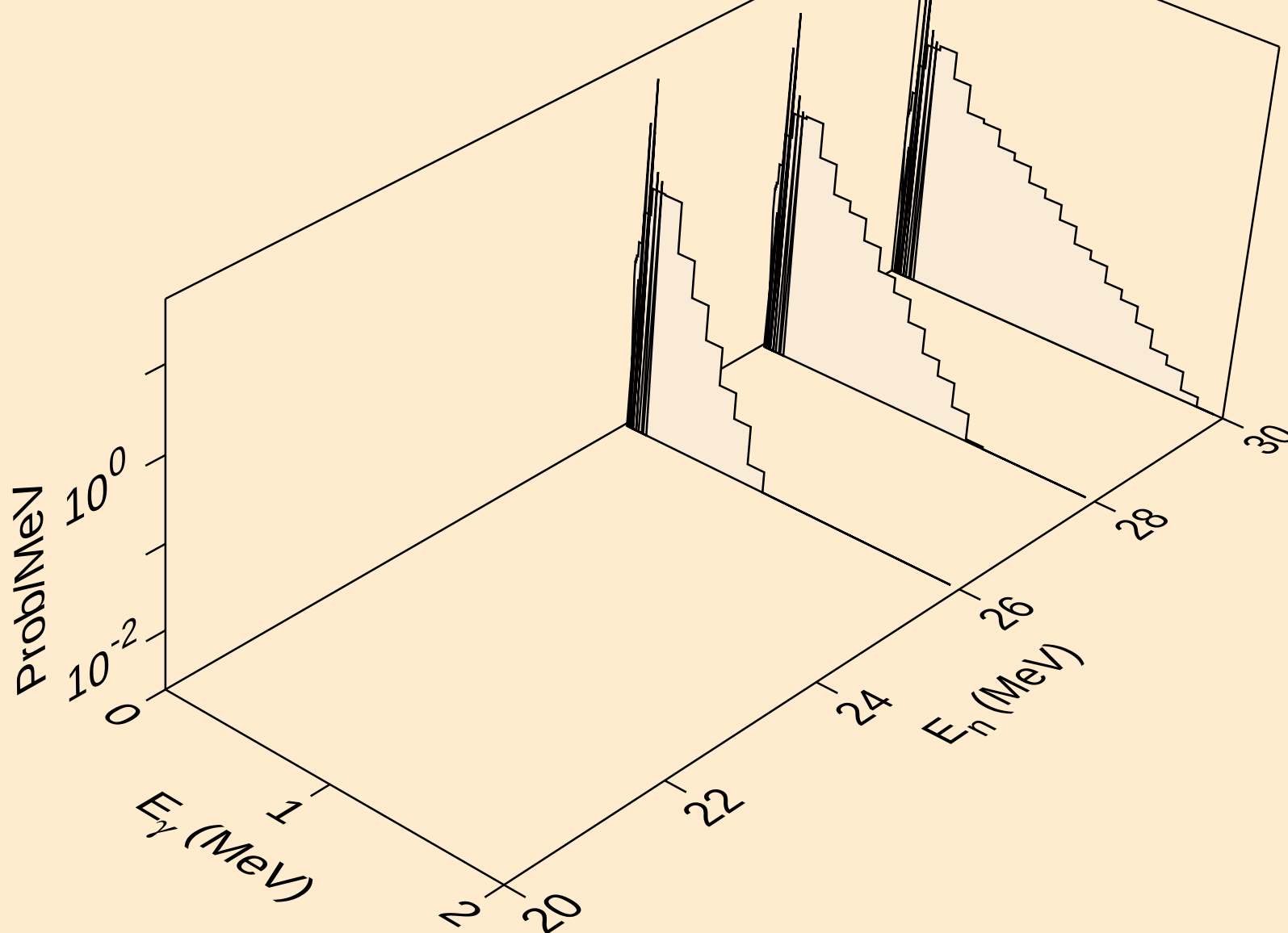
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



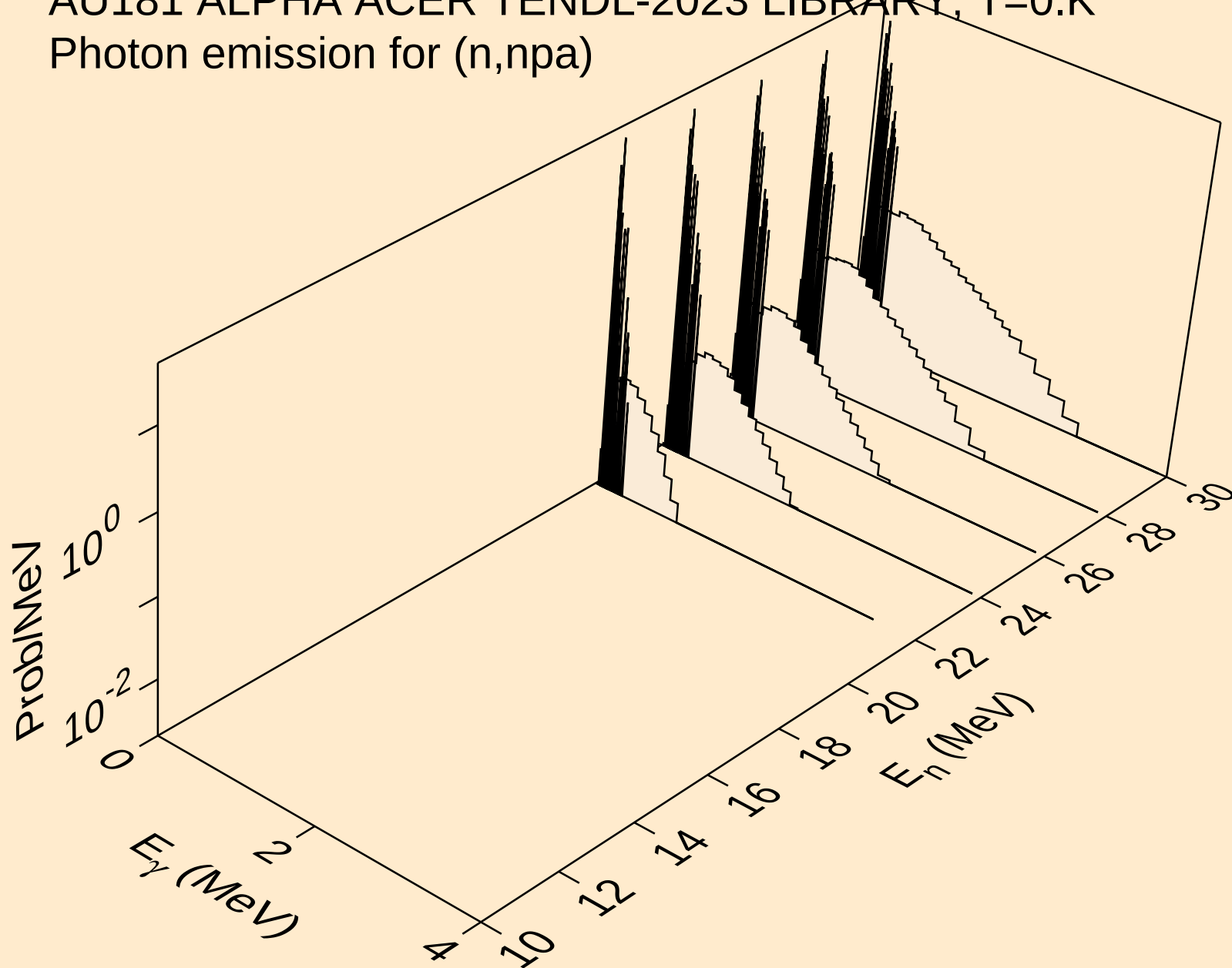
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



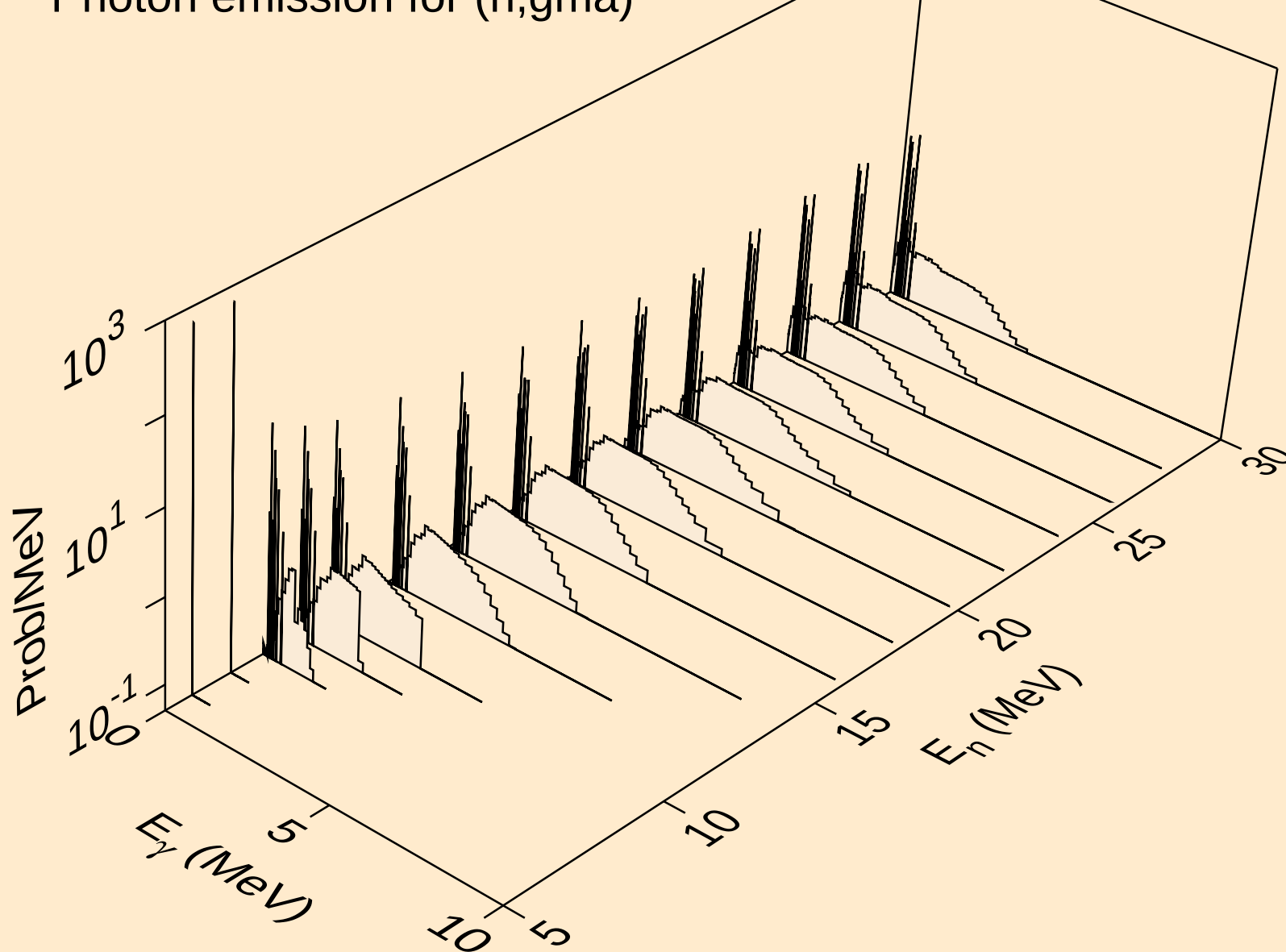
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



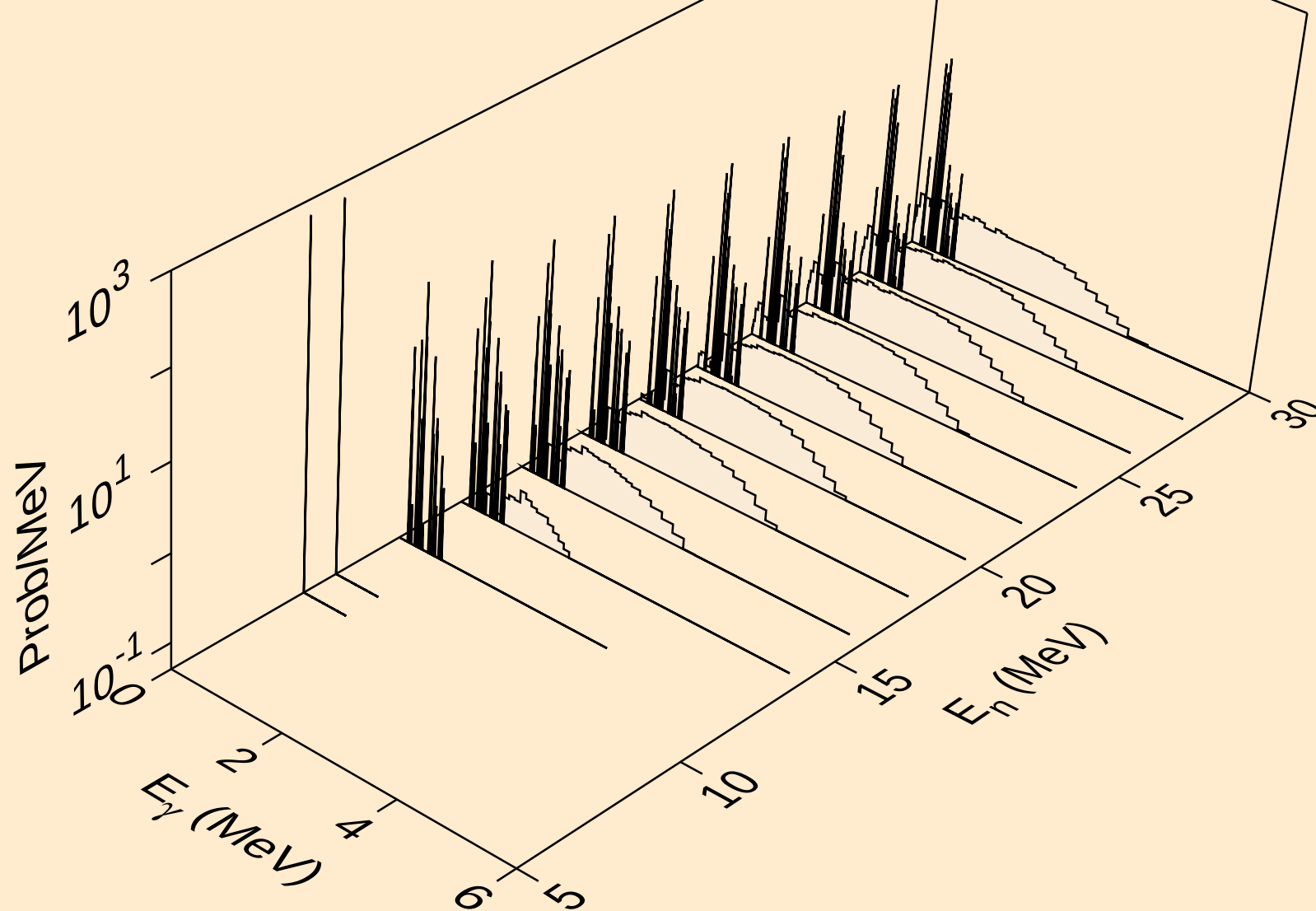
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



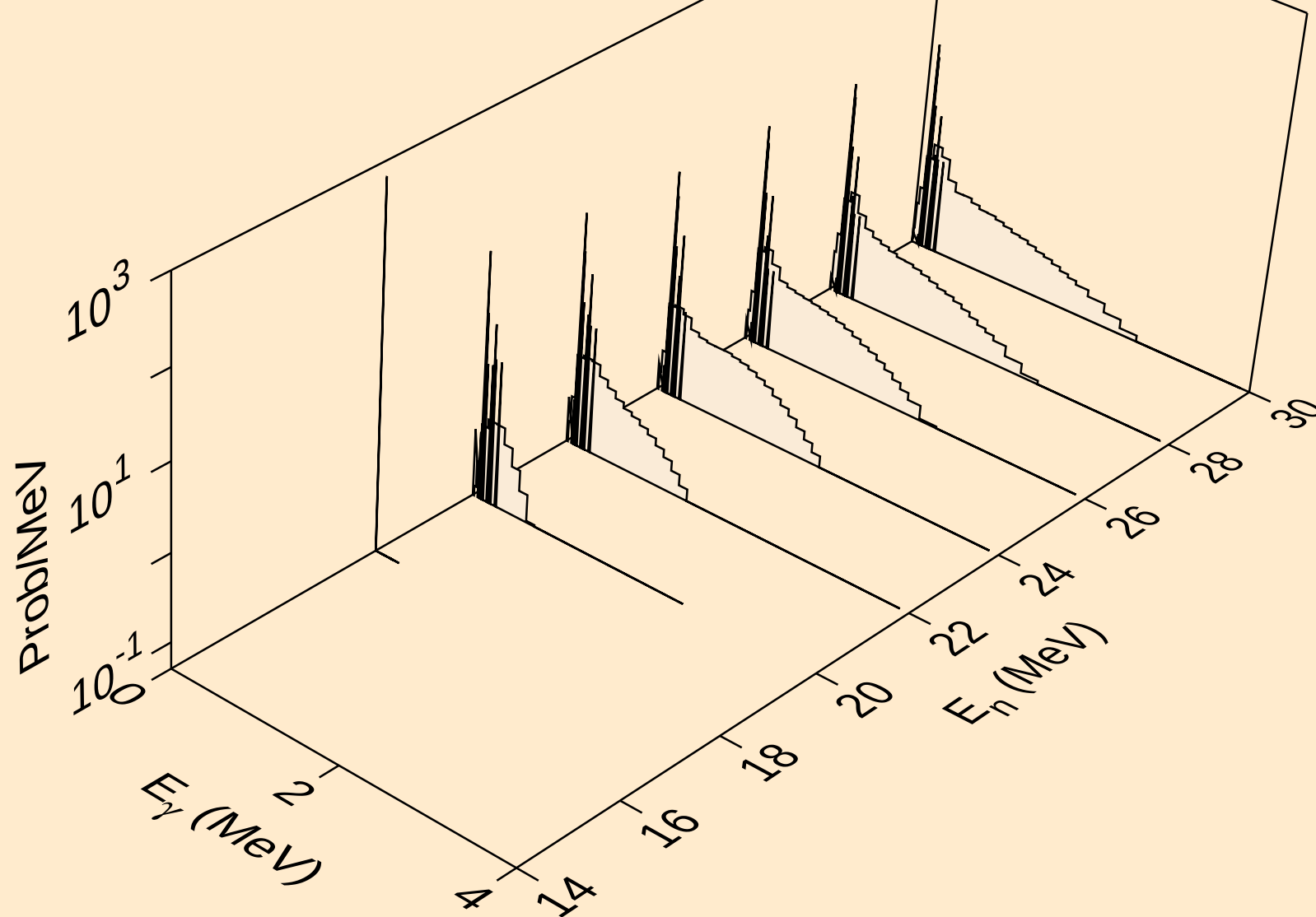
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)

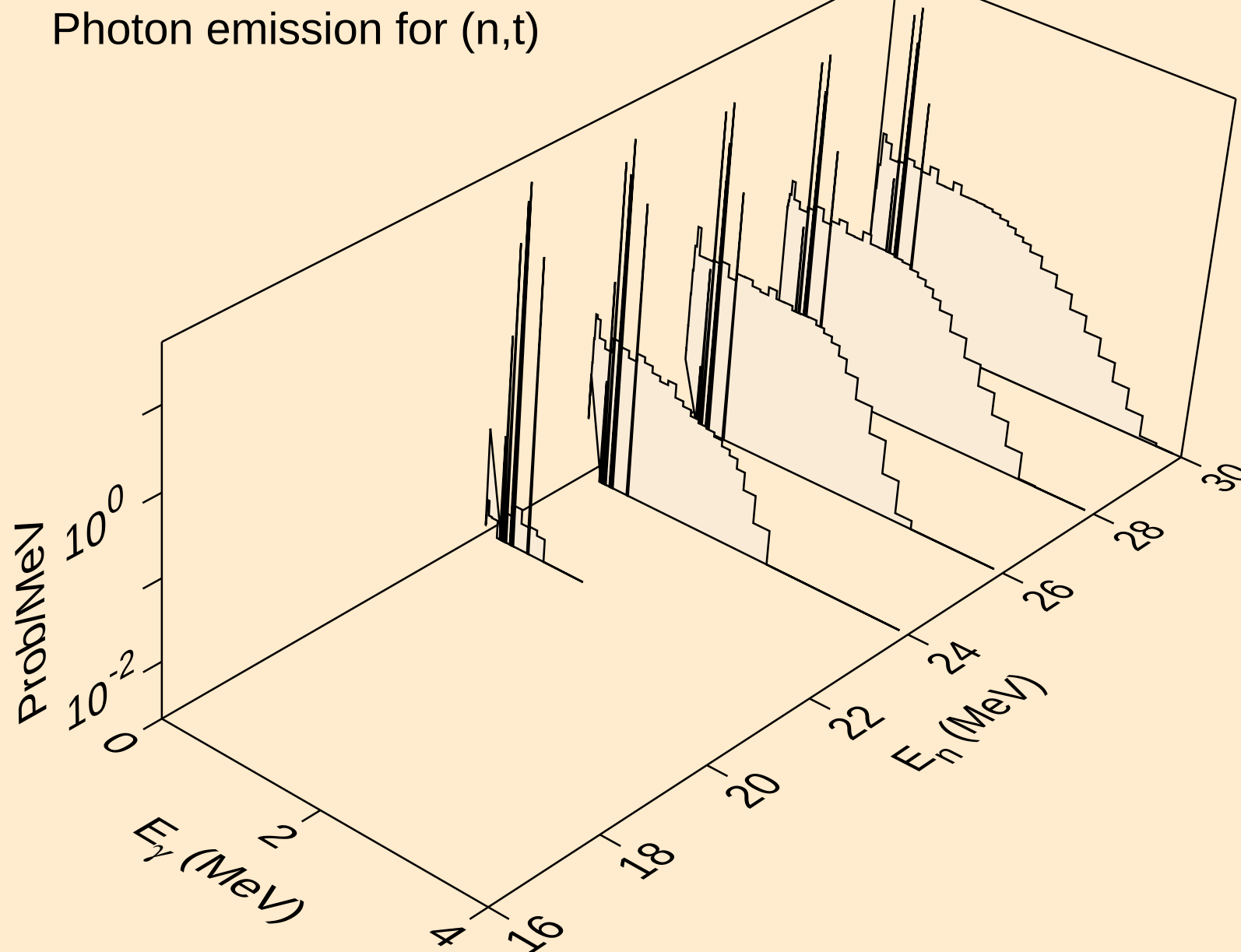


AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)

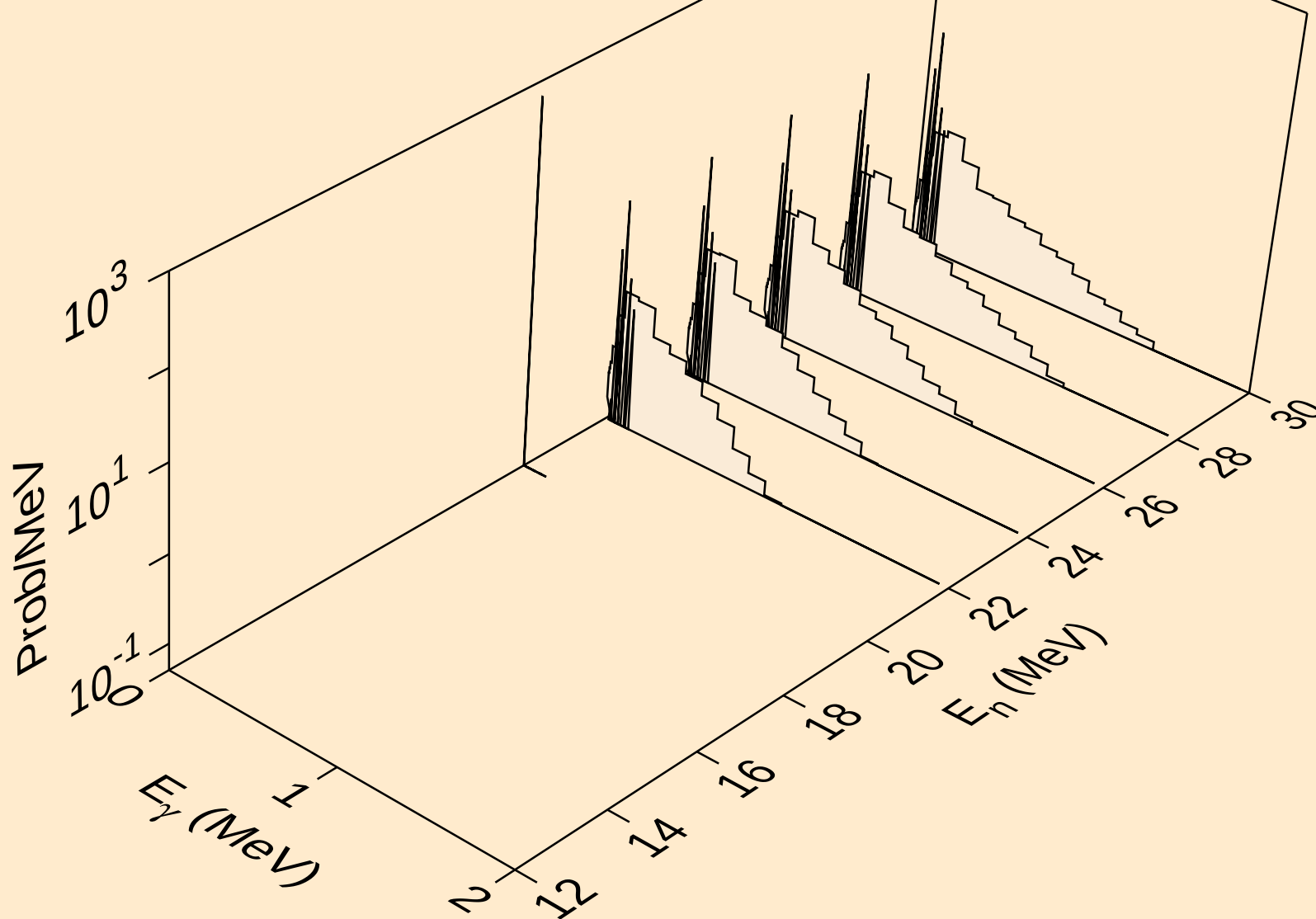


AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

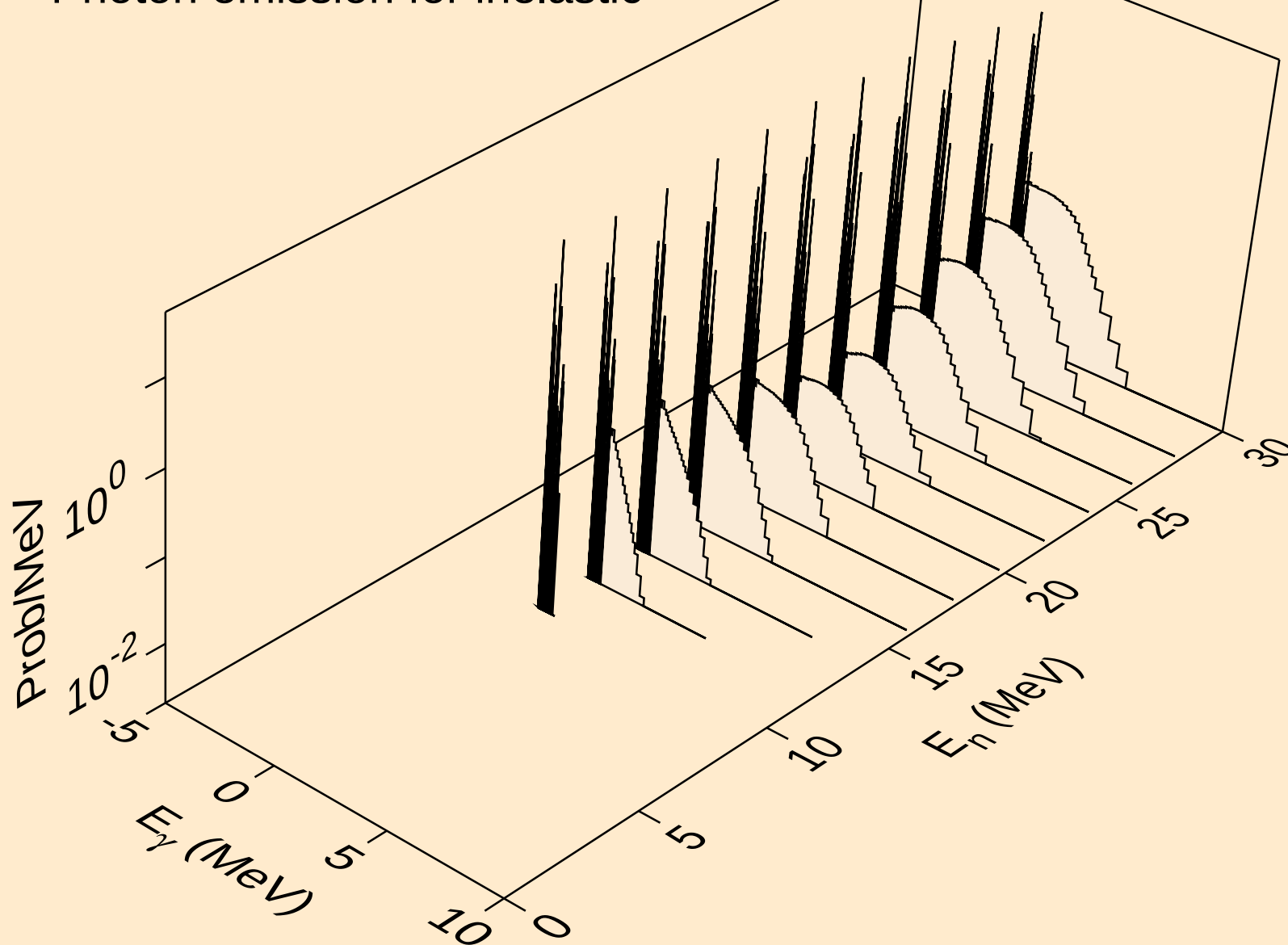
Photon emission for (n,t)



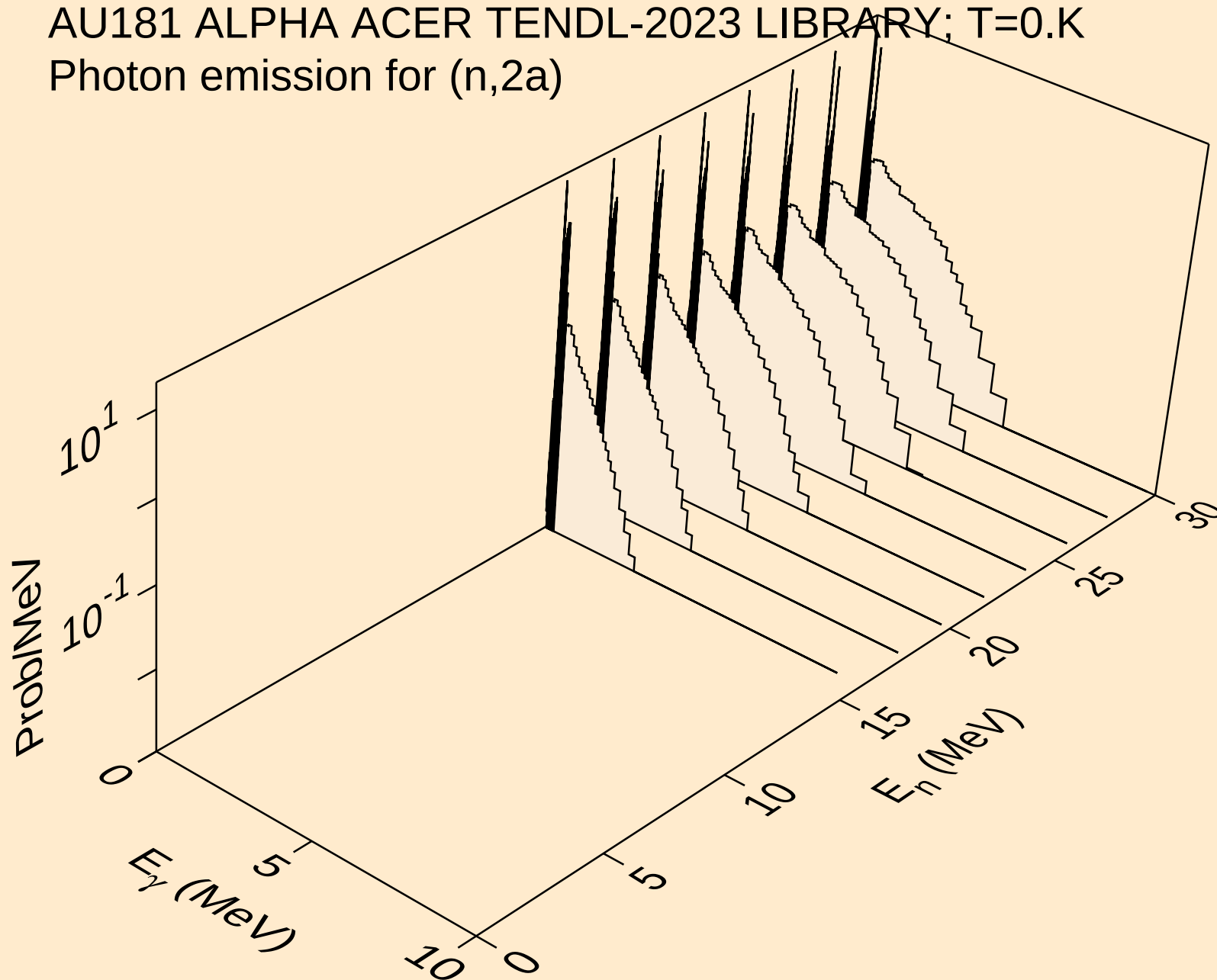
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



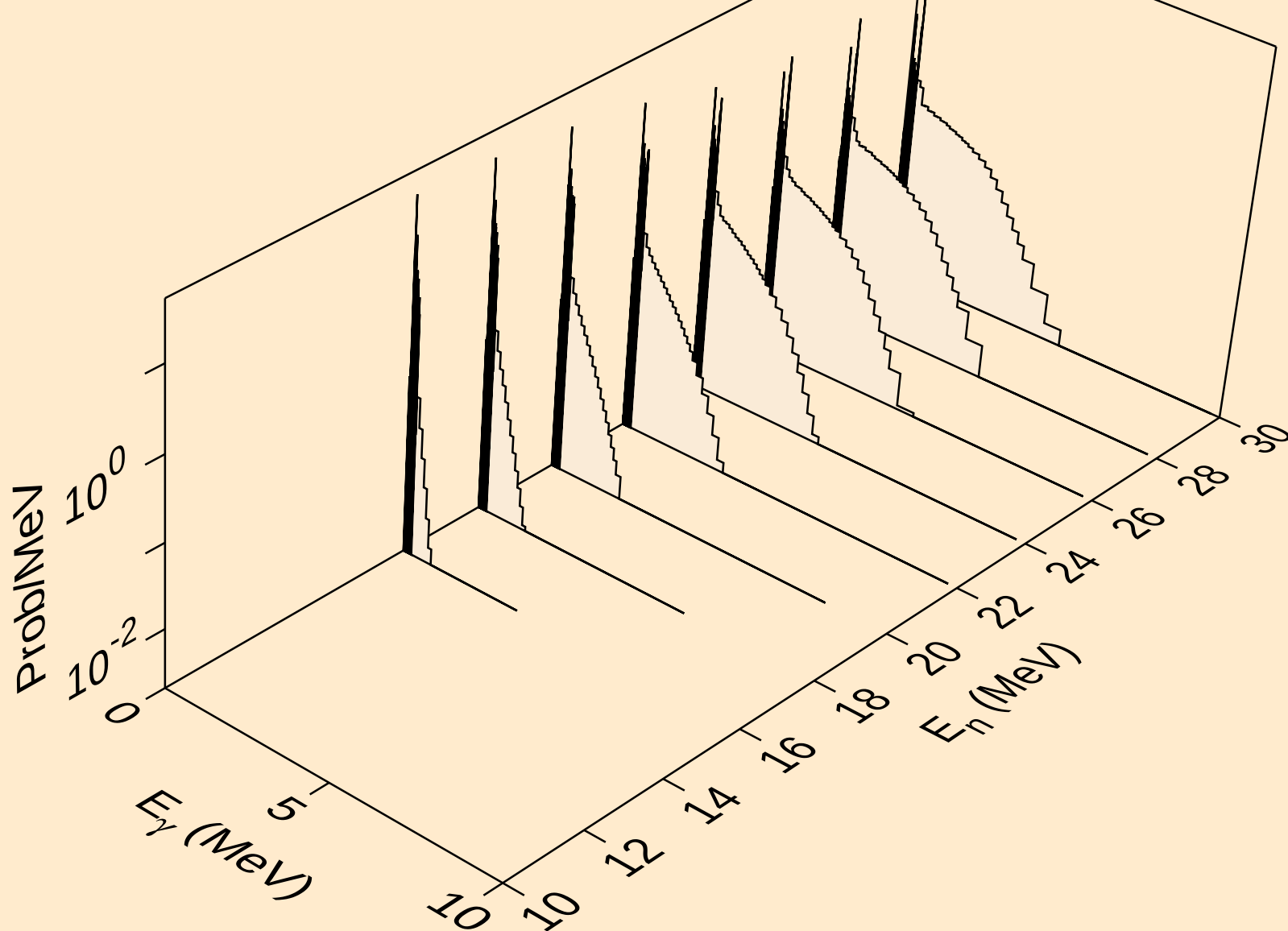
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



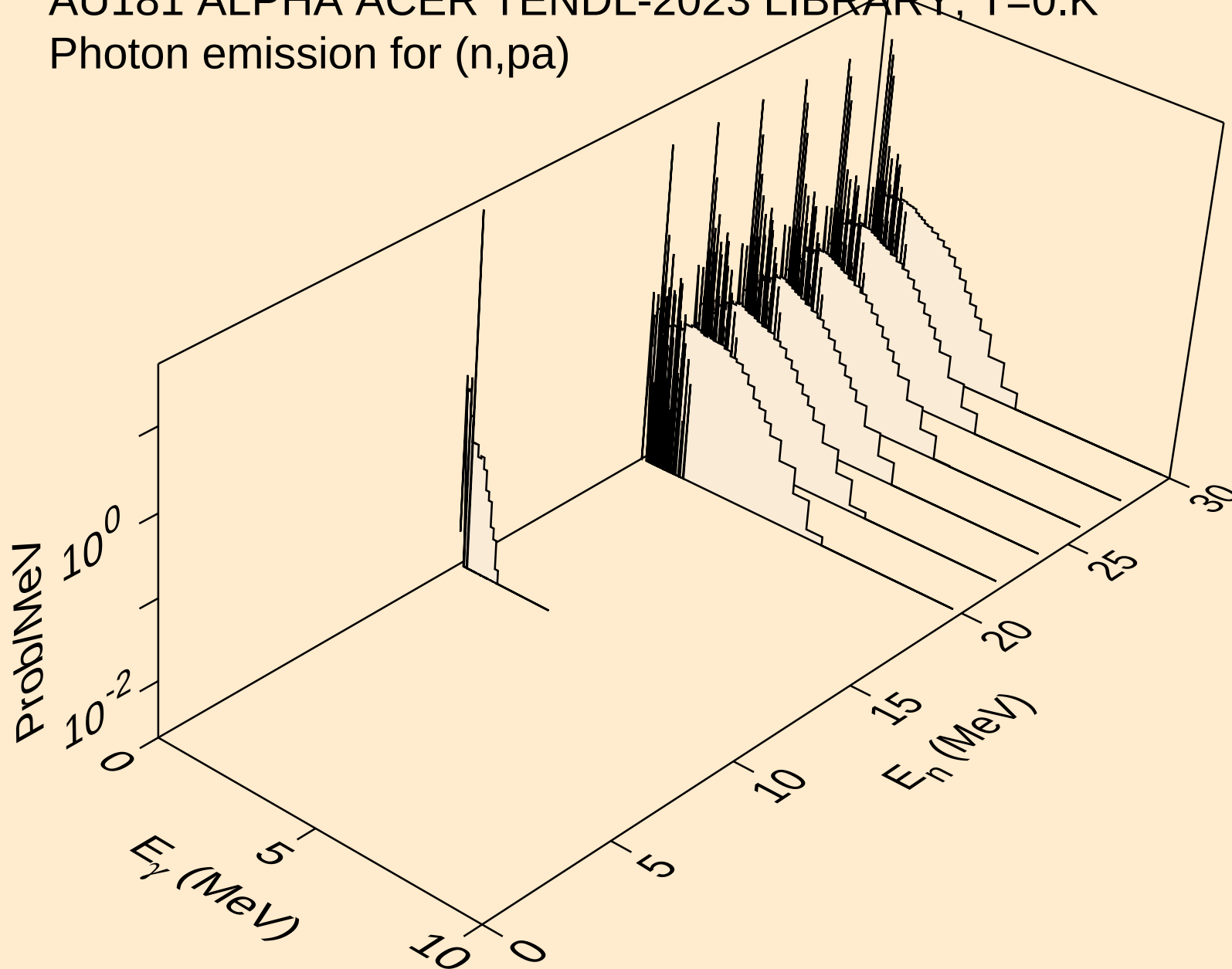
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



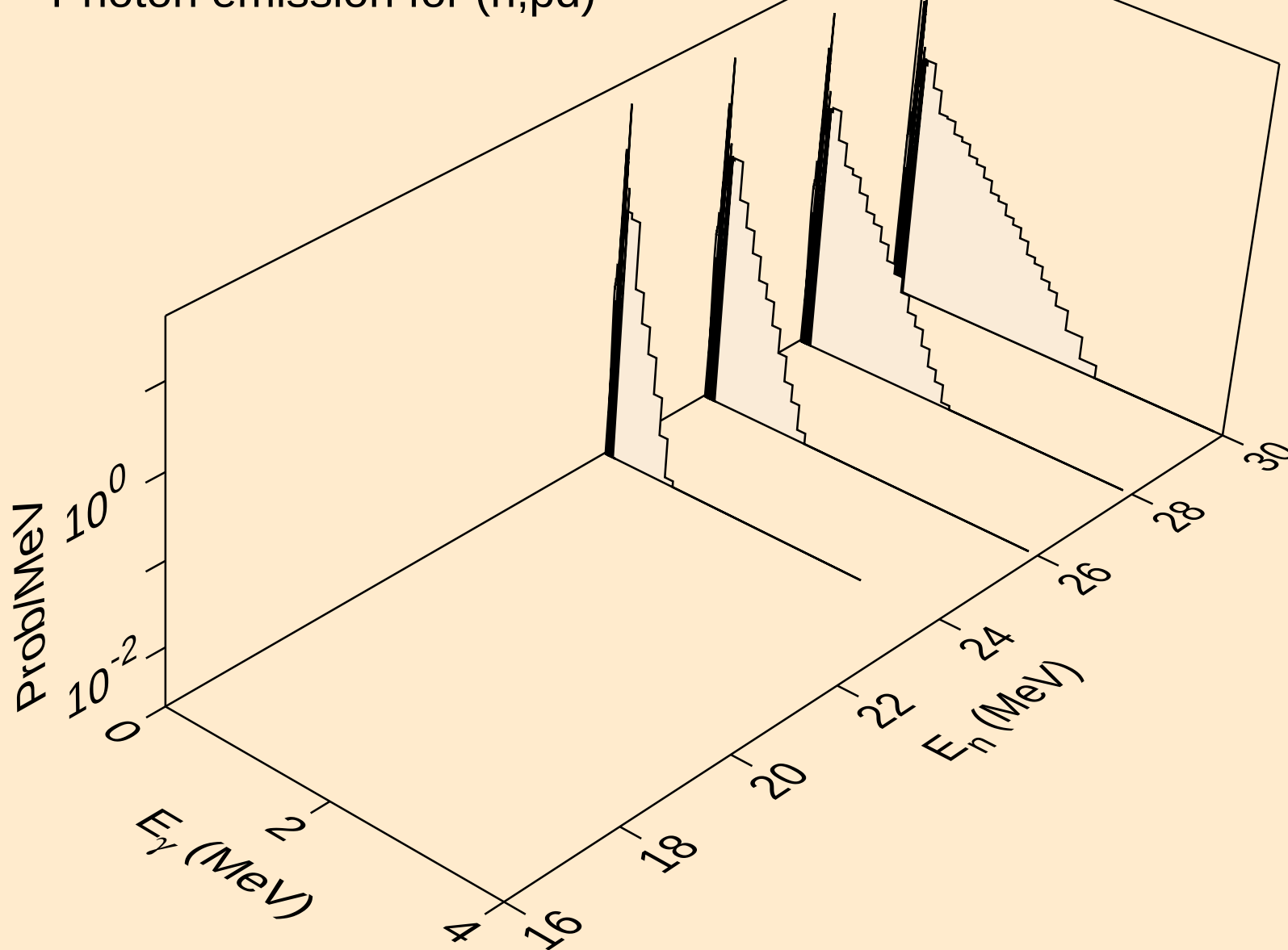
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



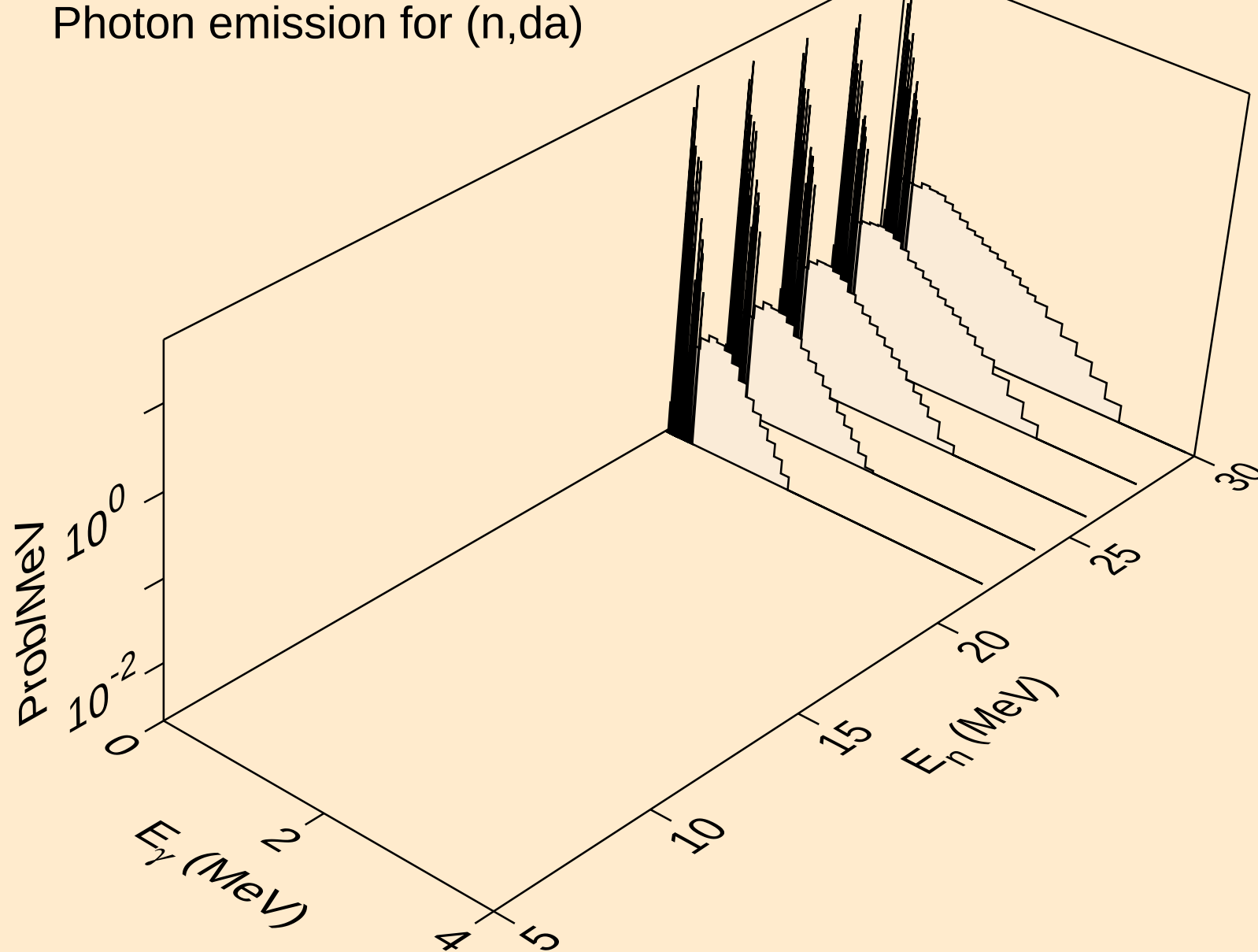
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)



AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)

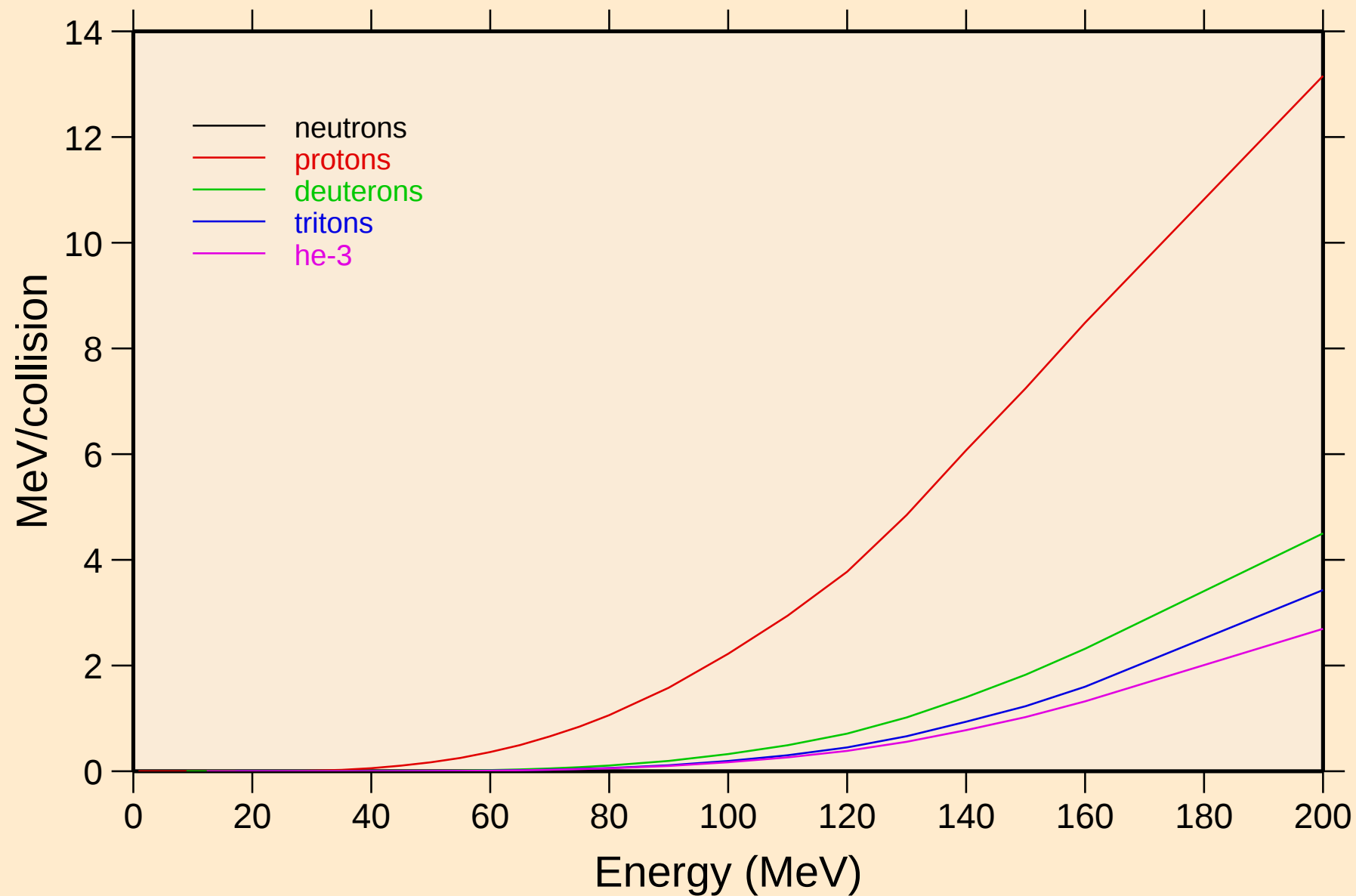


AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



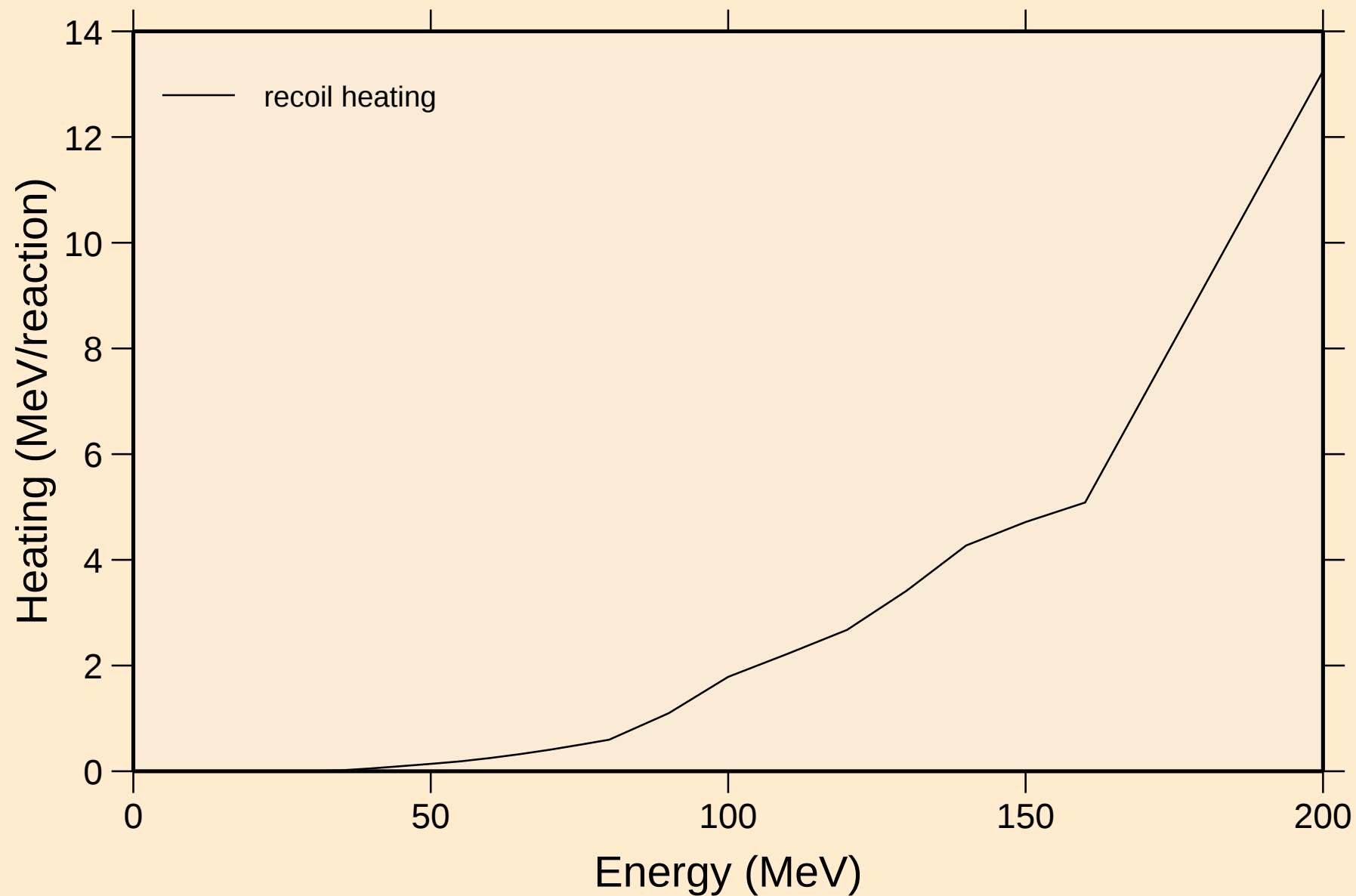
# AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



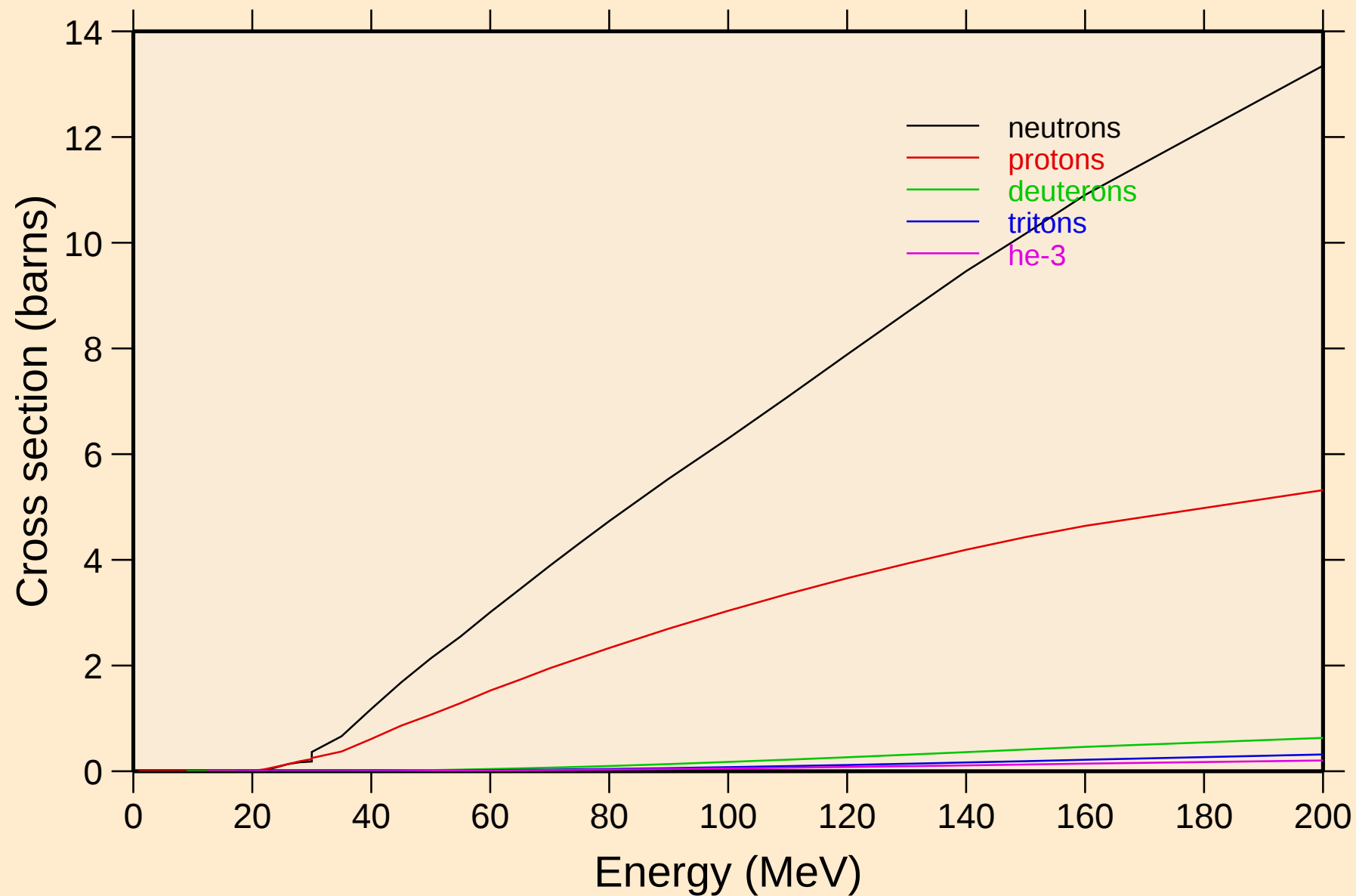
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Recoil Heating

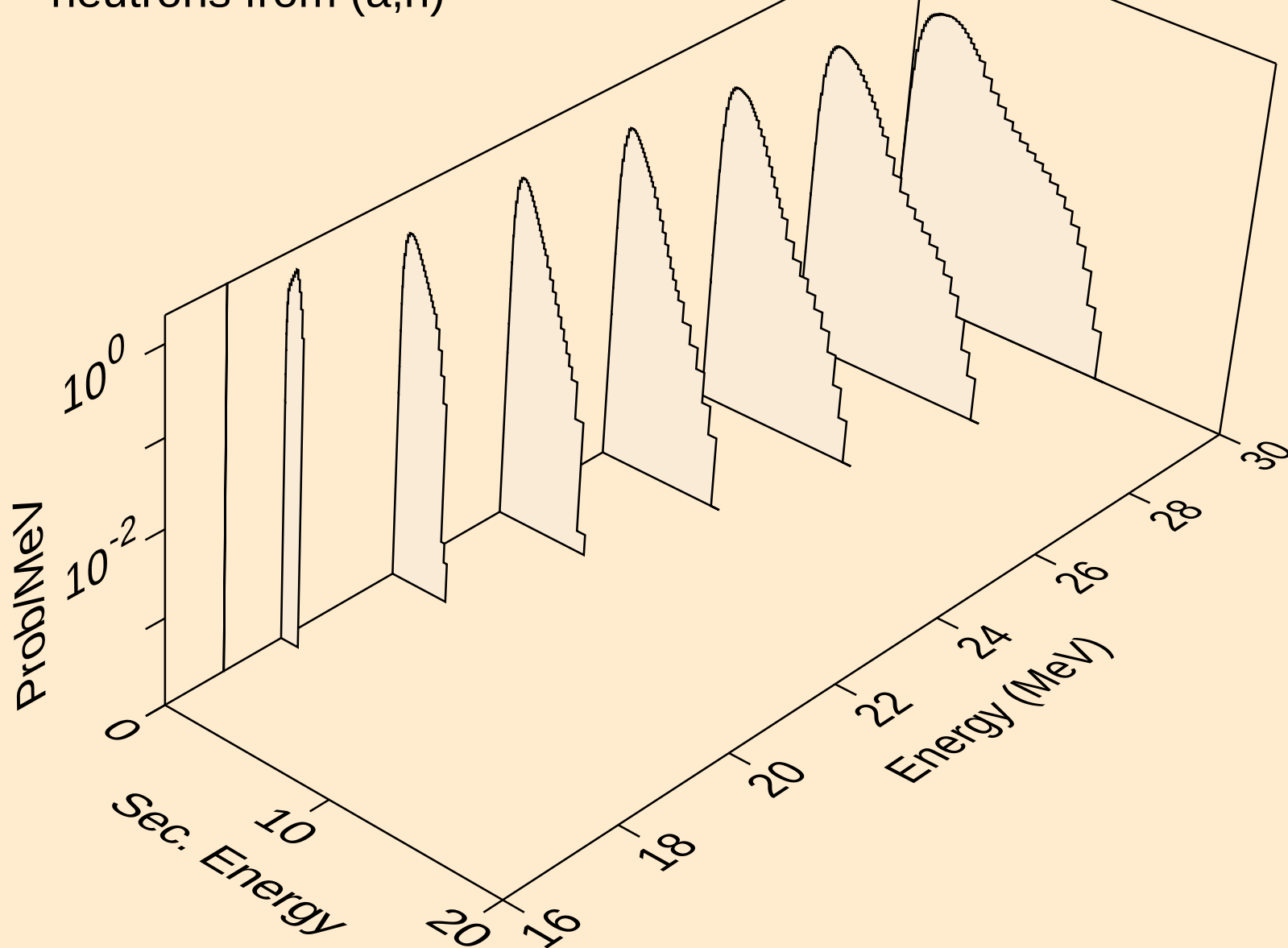


# AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

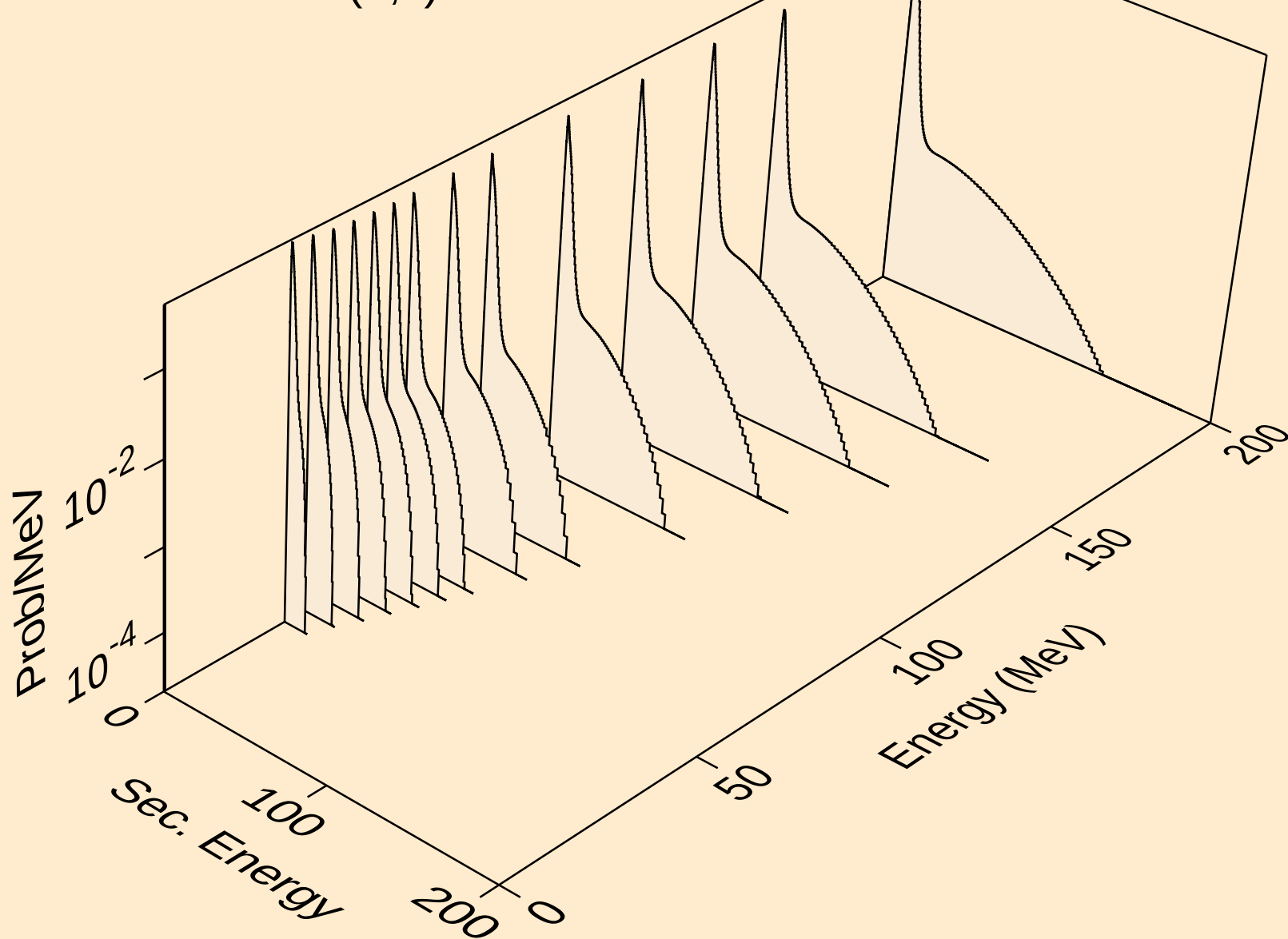
## Particle production cross sections



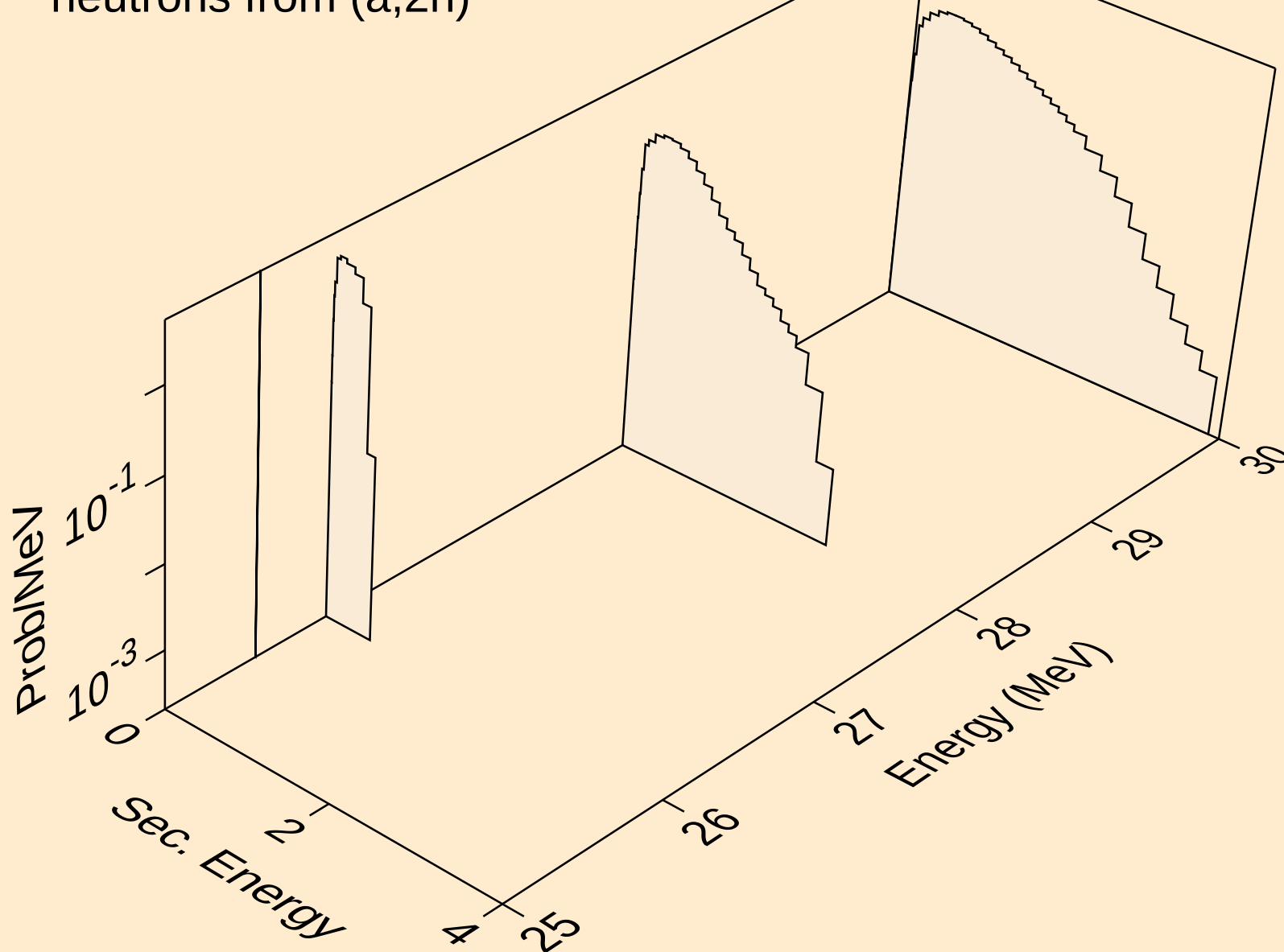
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n)



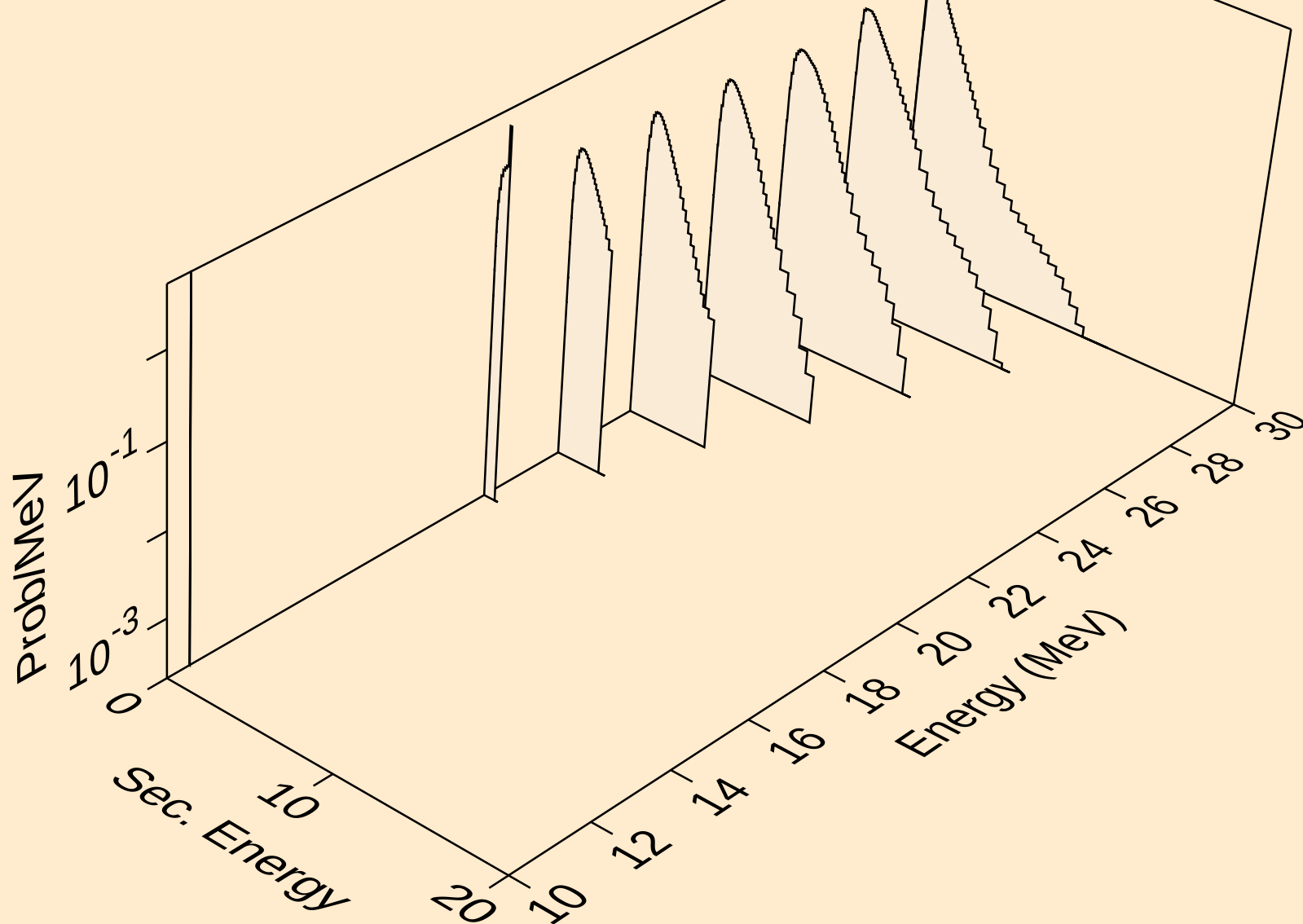
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,x)



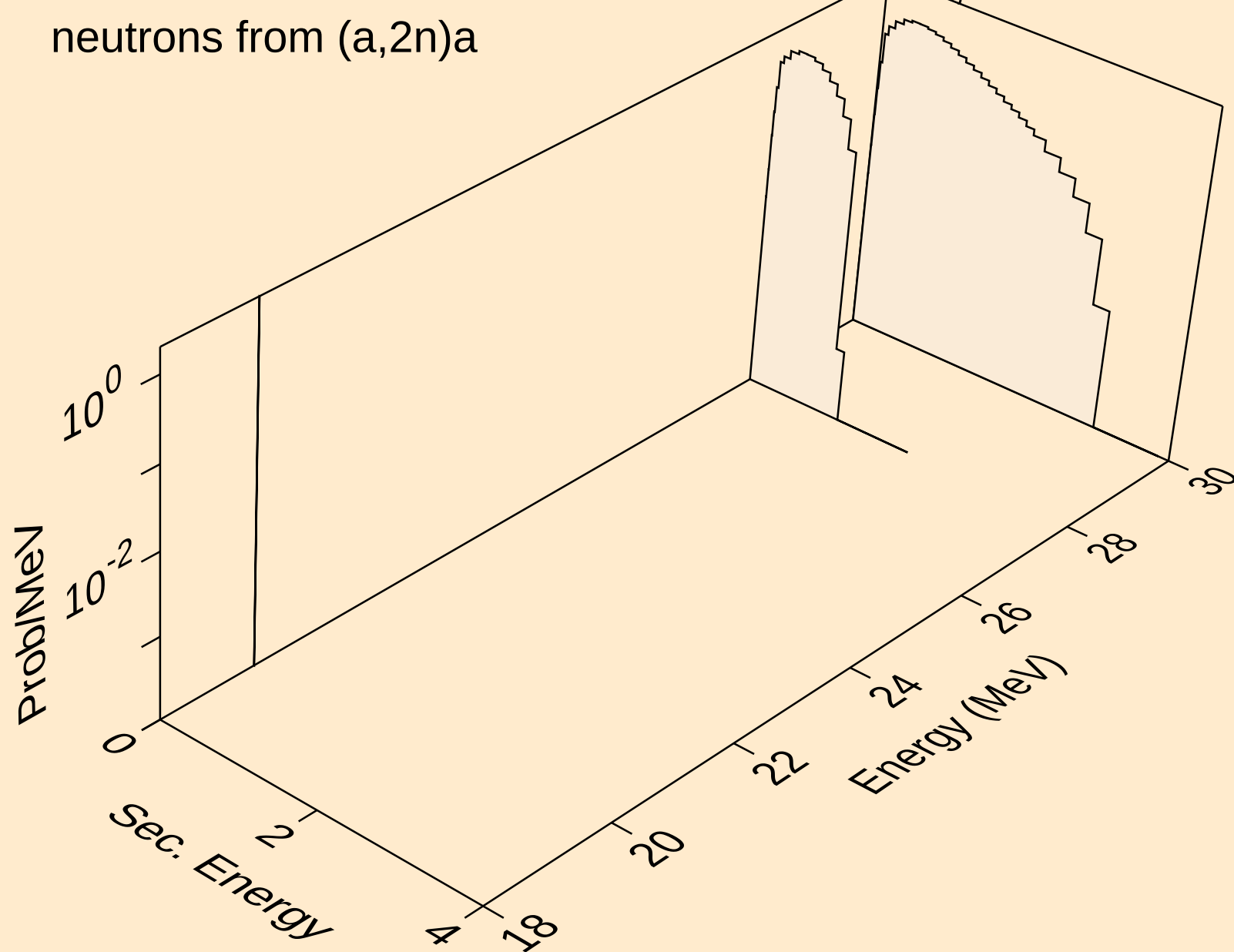
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2n)



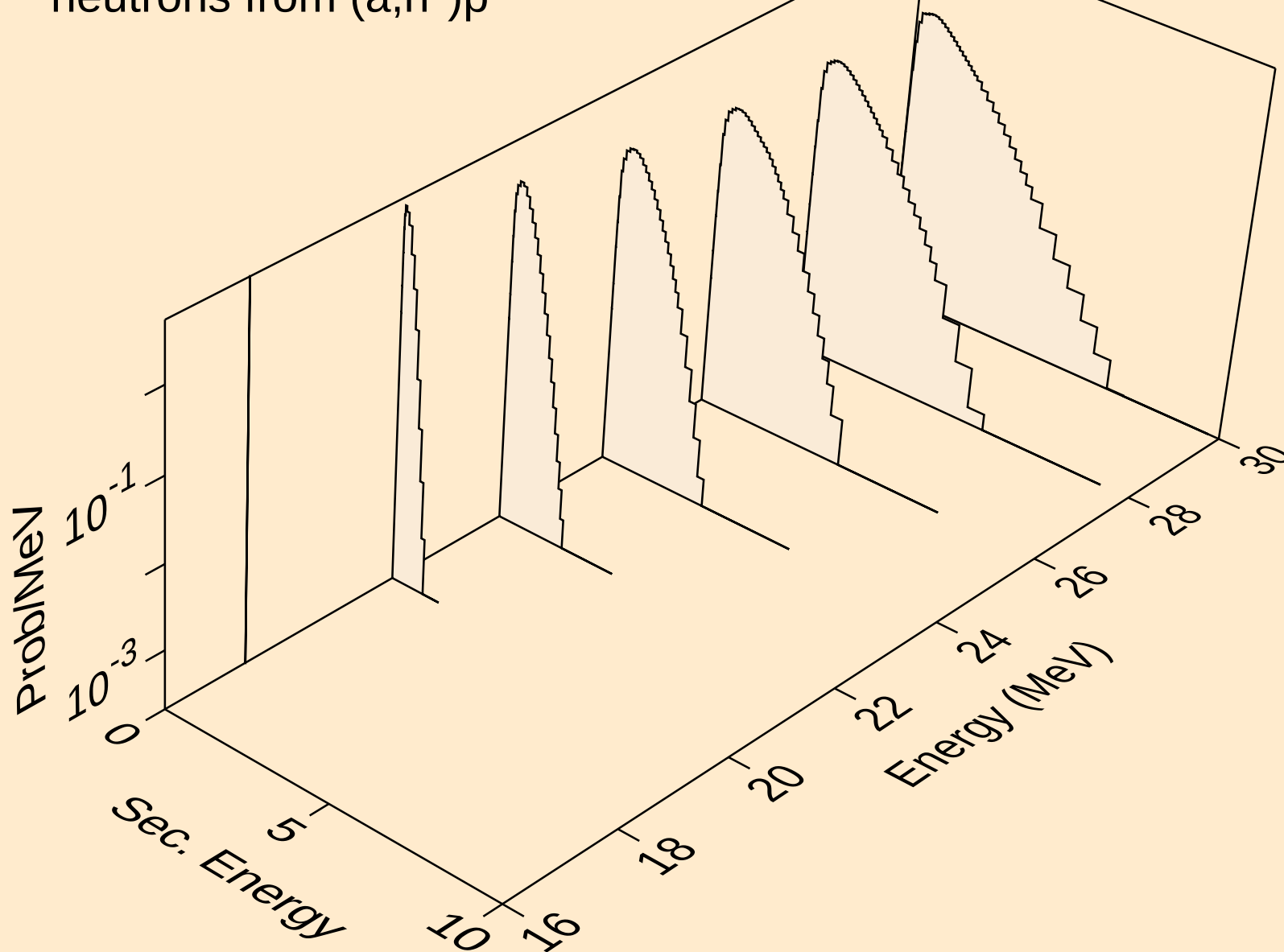
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)a



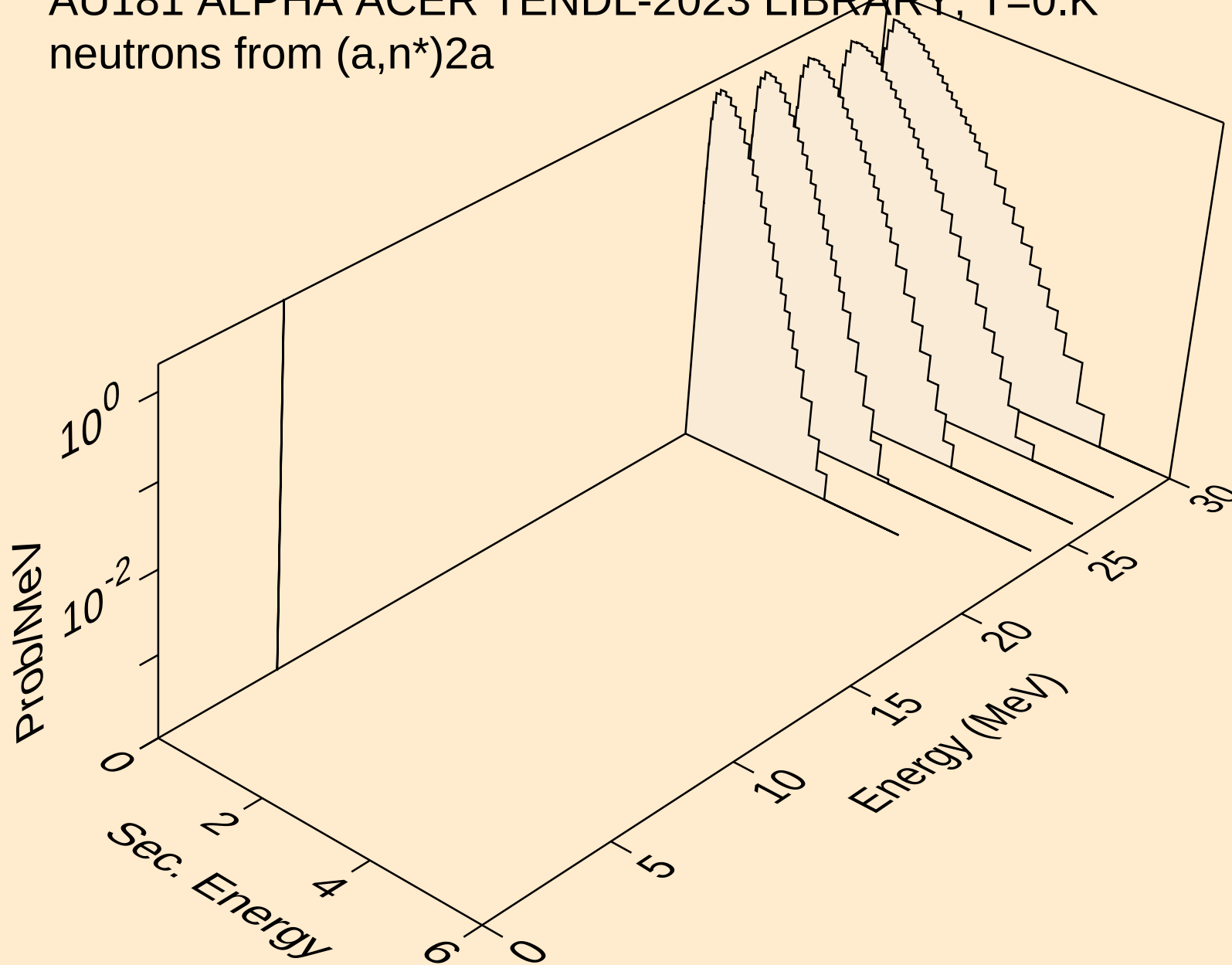
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2n)a



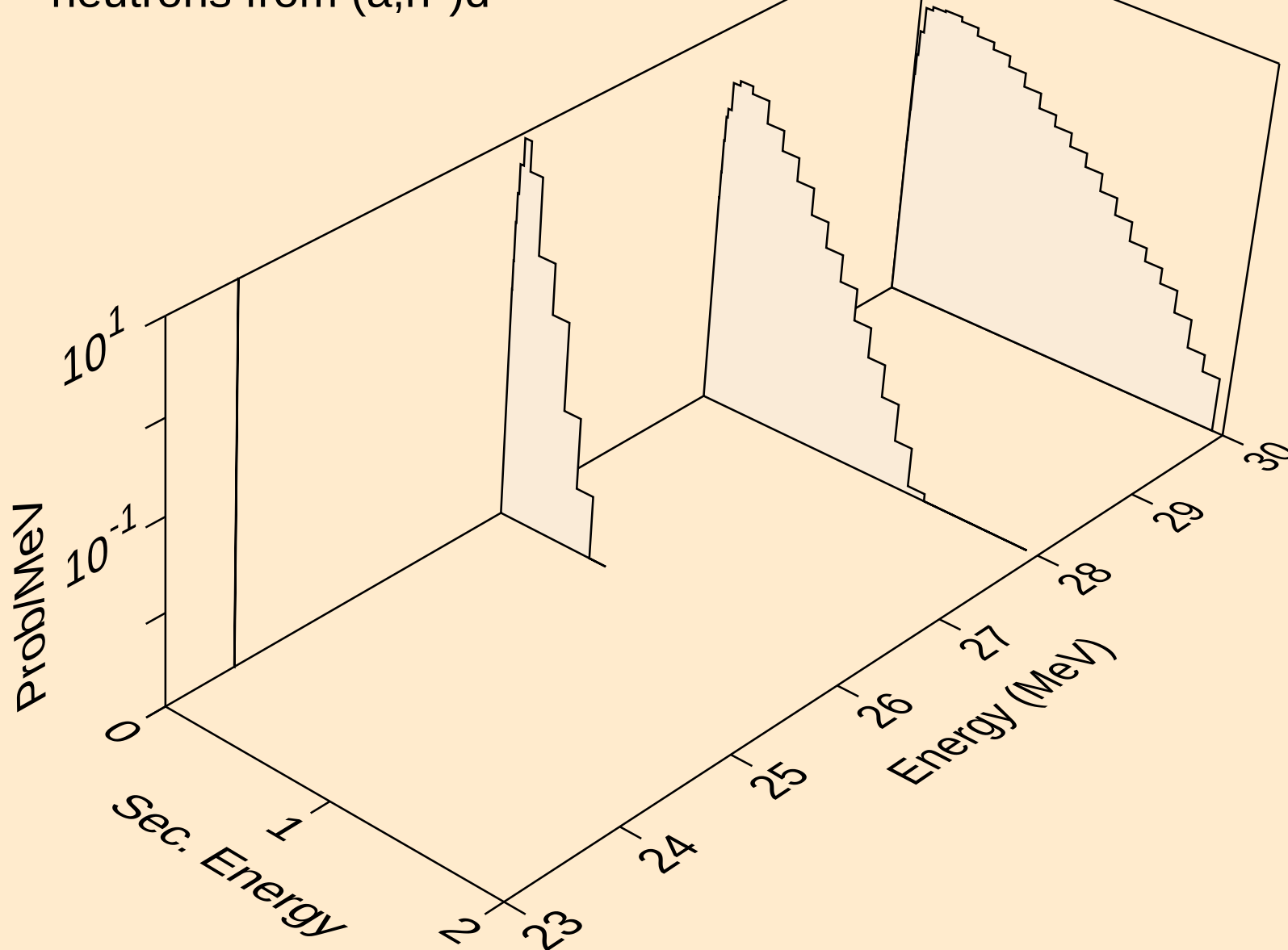
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)p



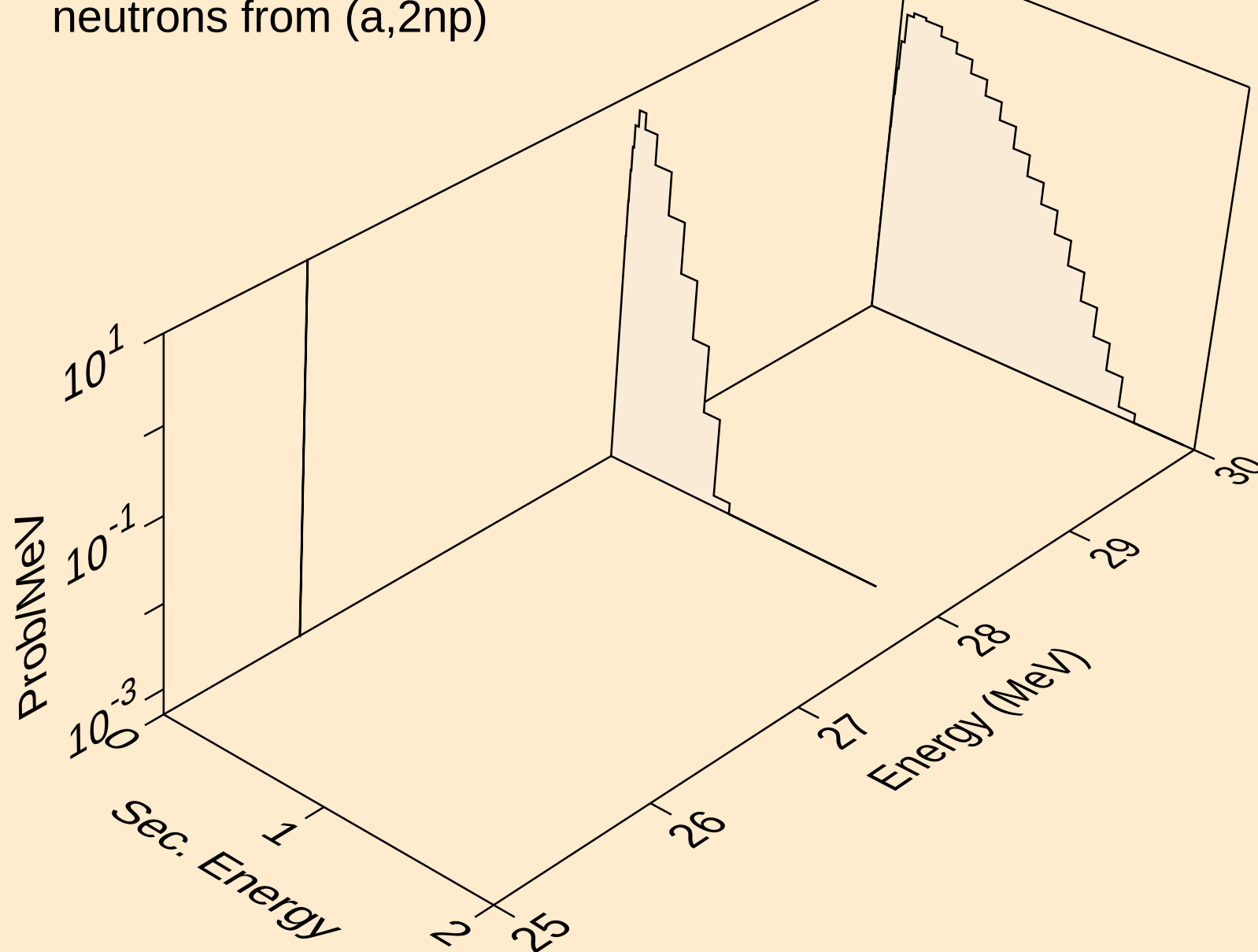
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)2a



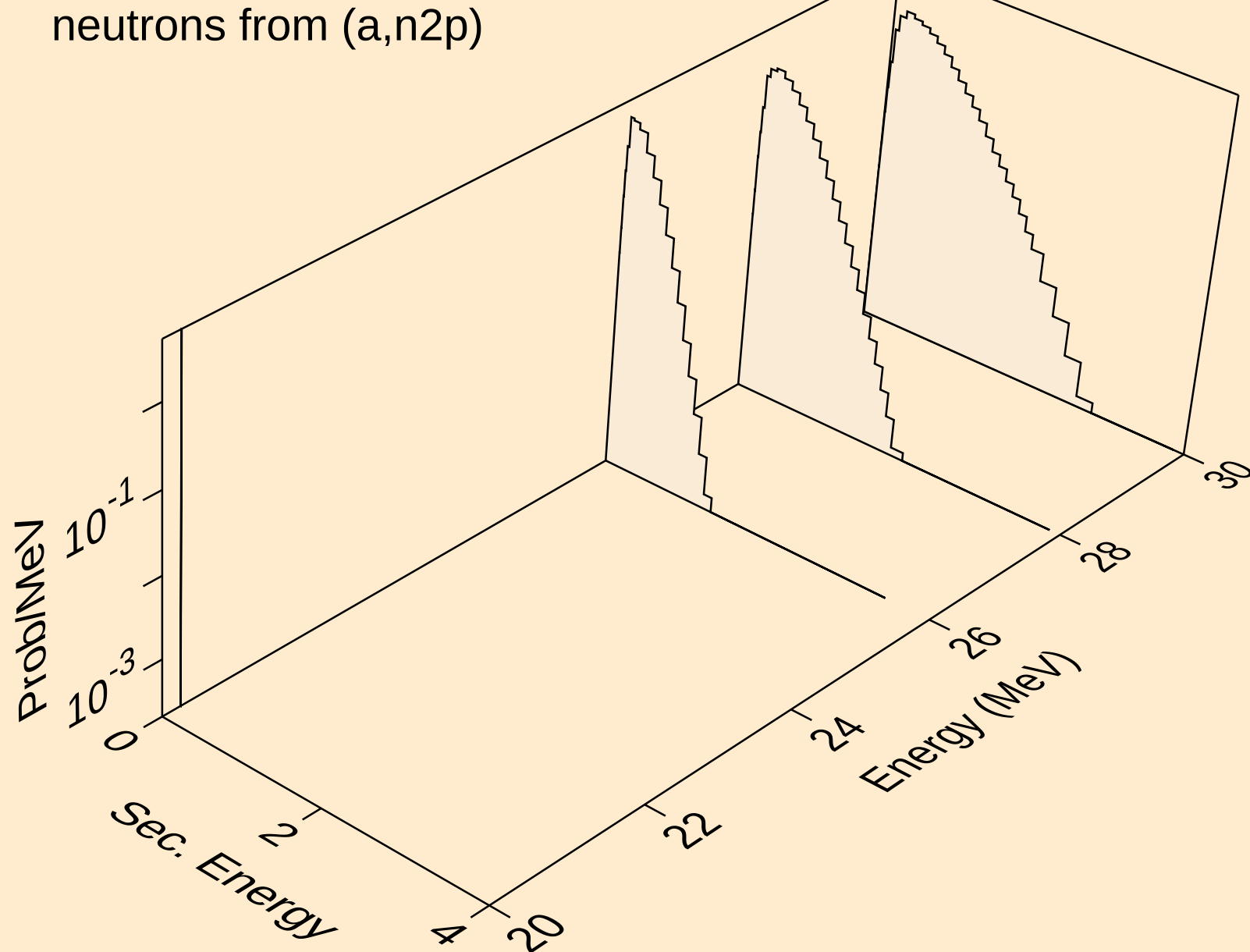
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)d



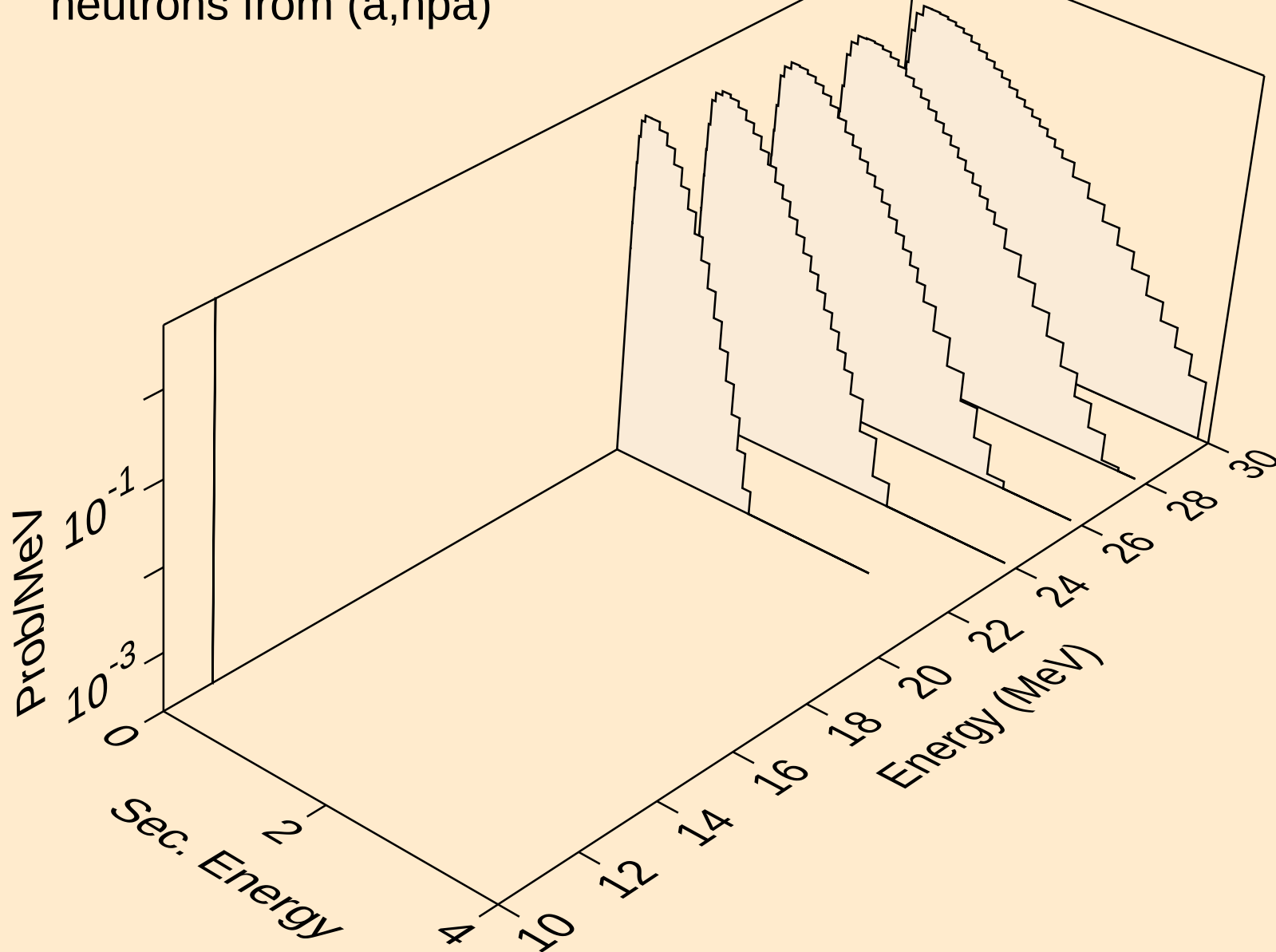
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2np)



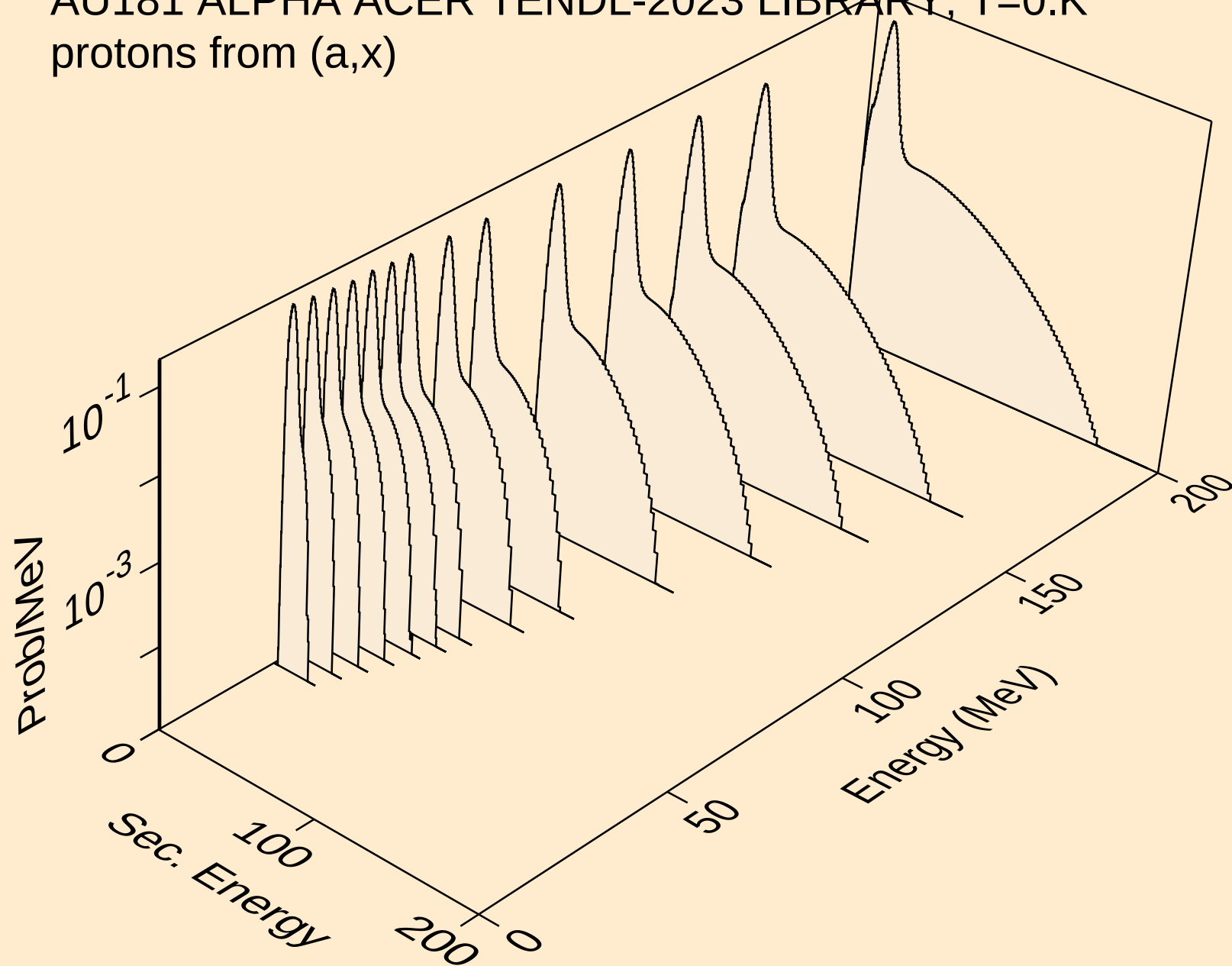
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n2p)



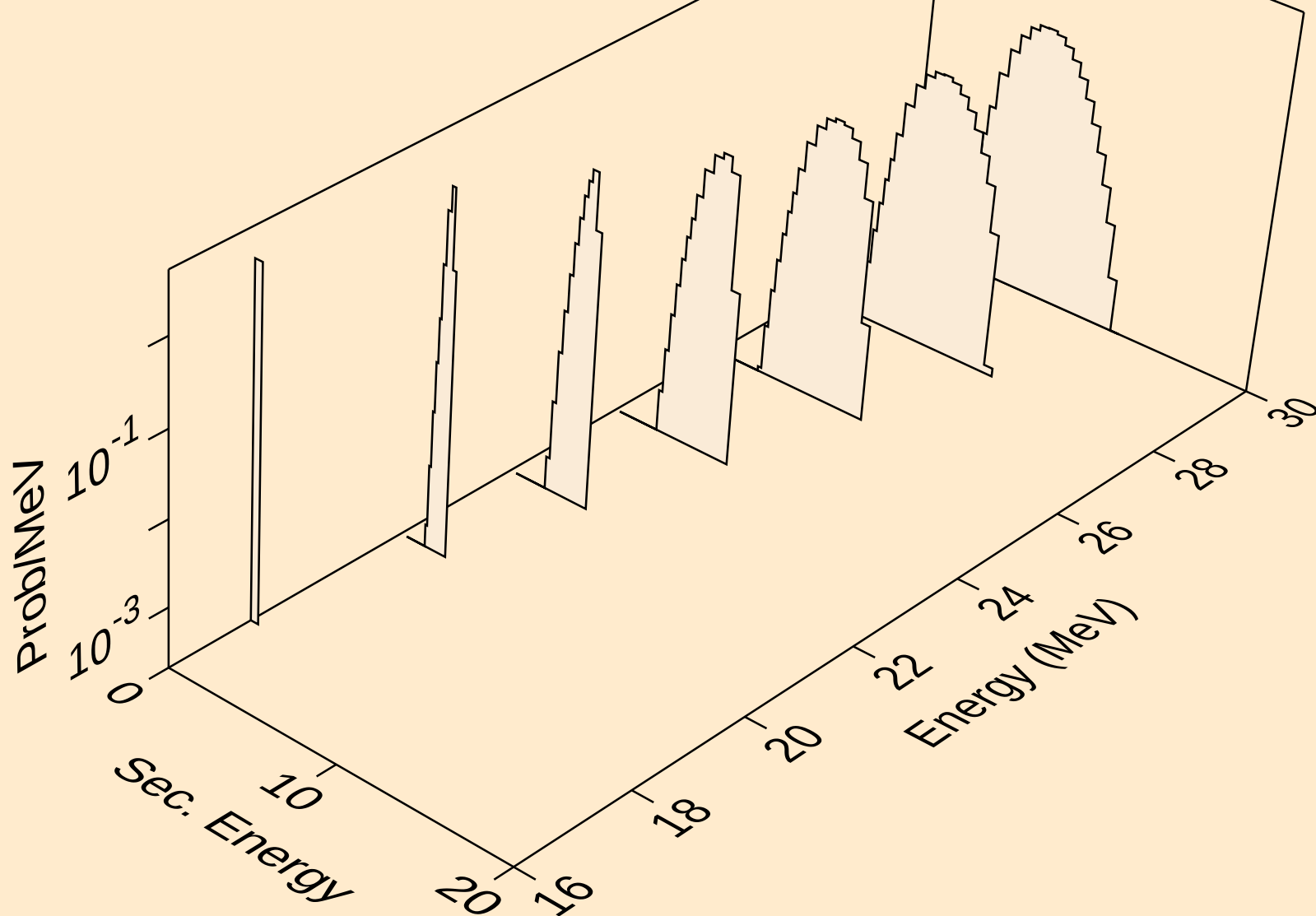
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,npa)



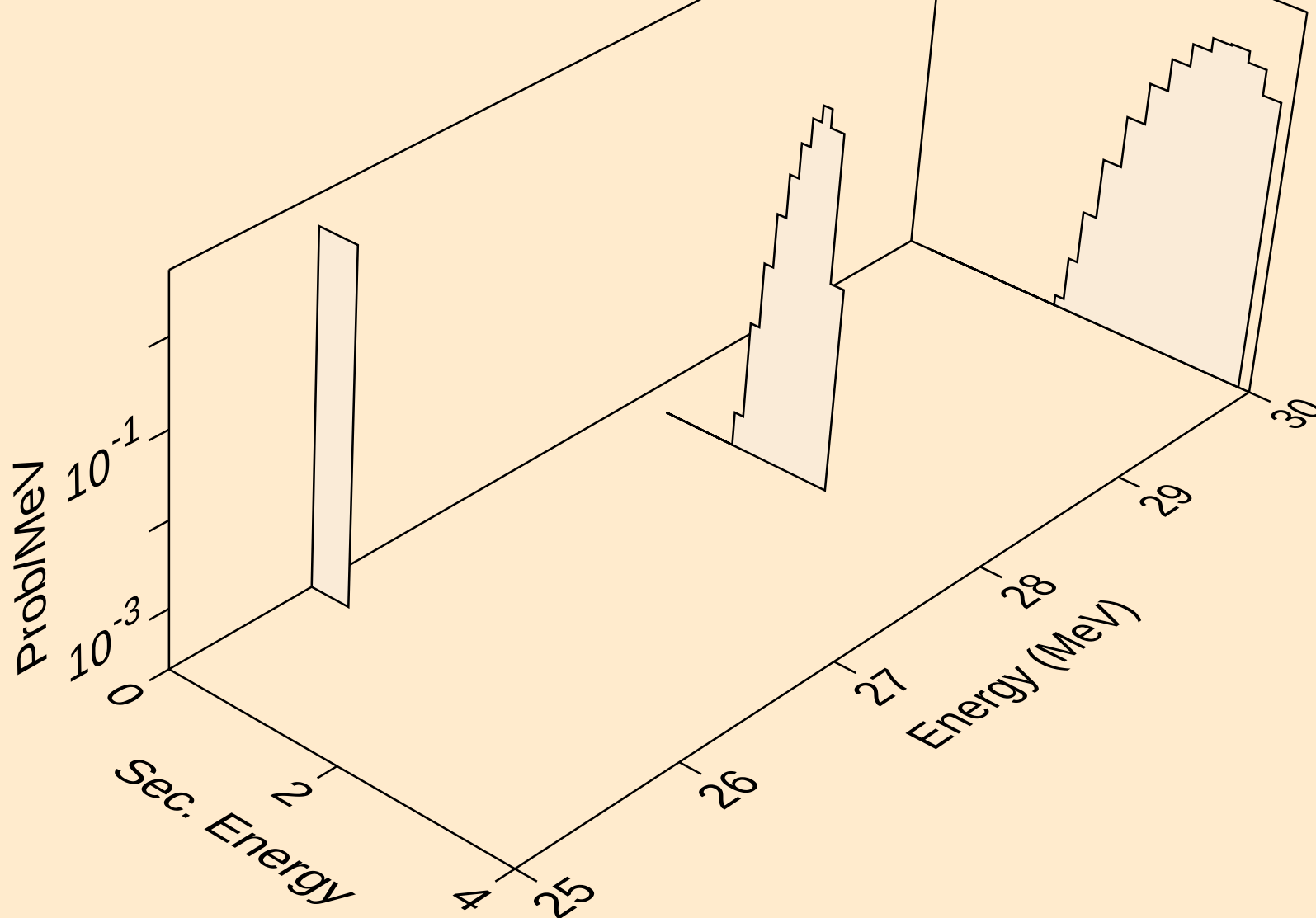
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,x)



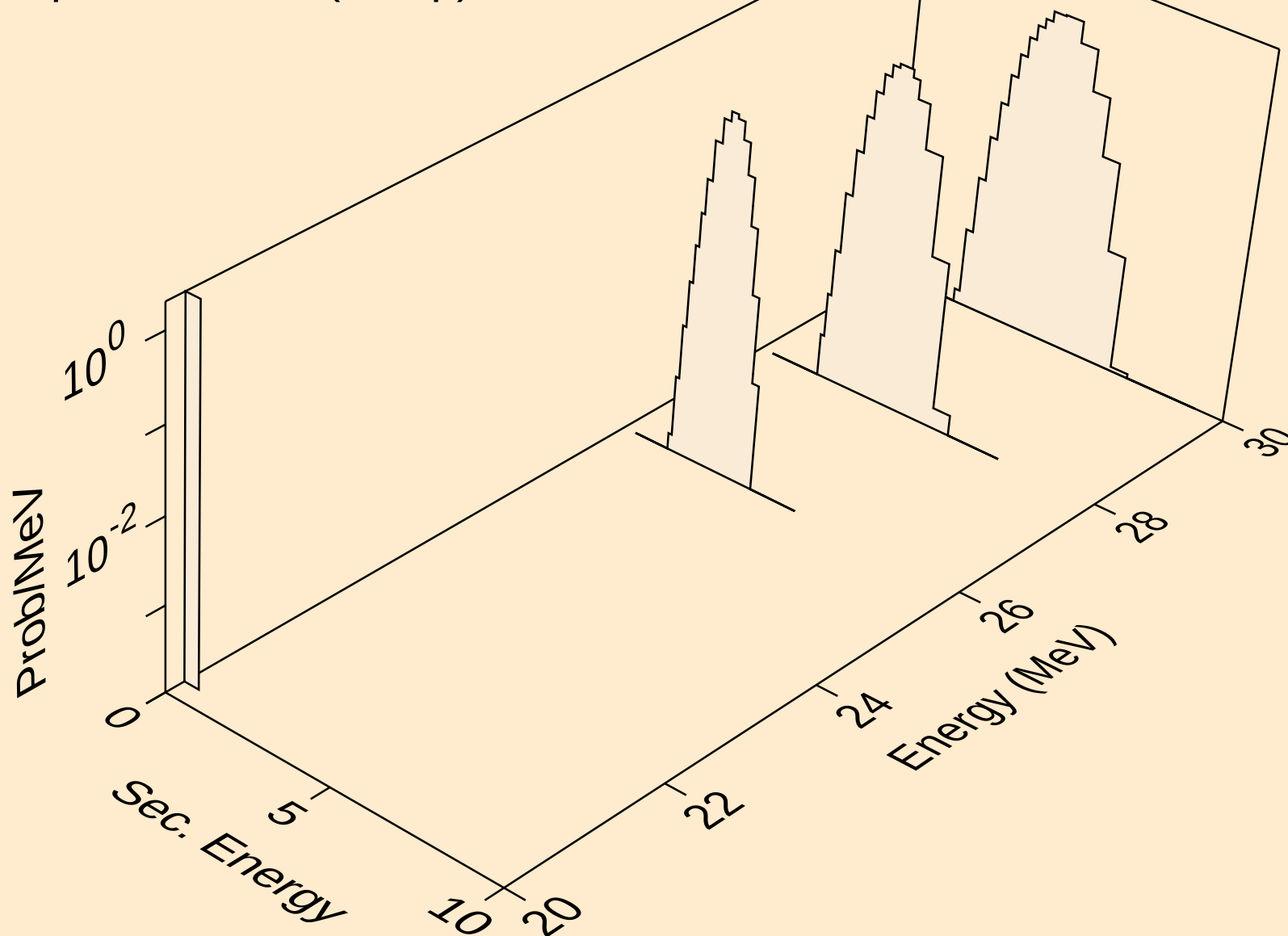
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,n\*)p



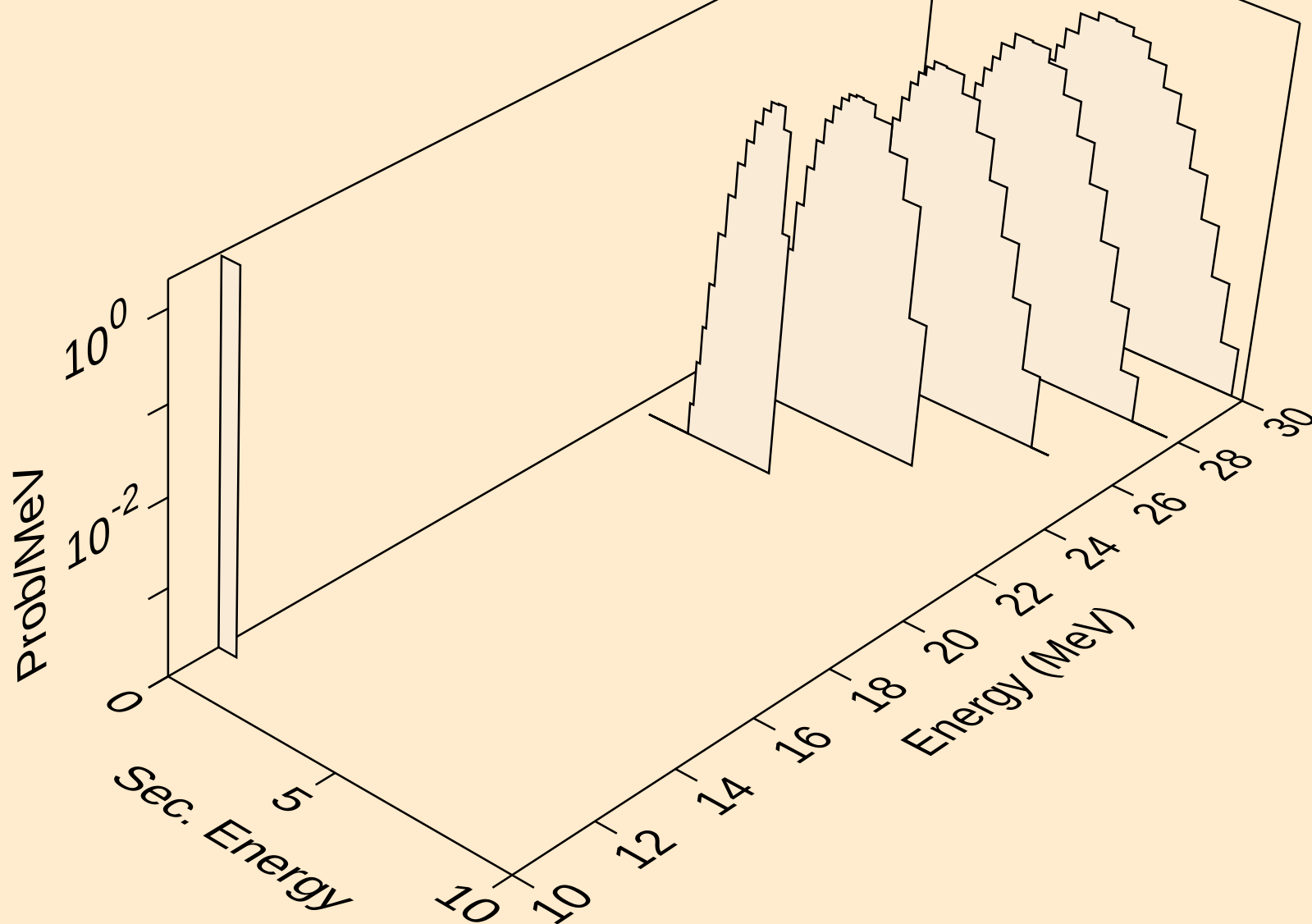
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,2np)



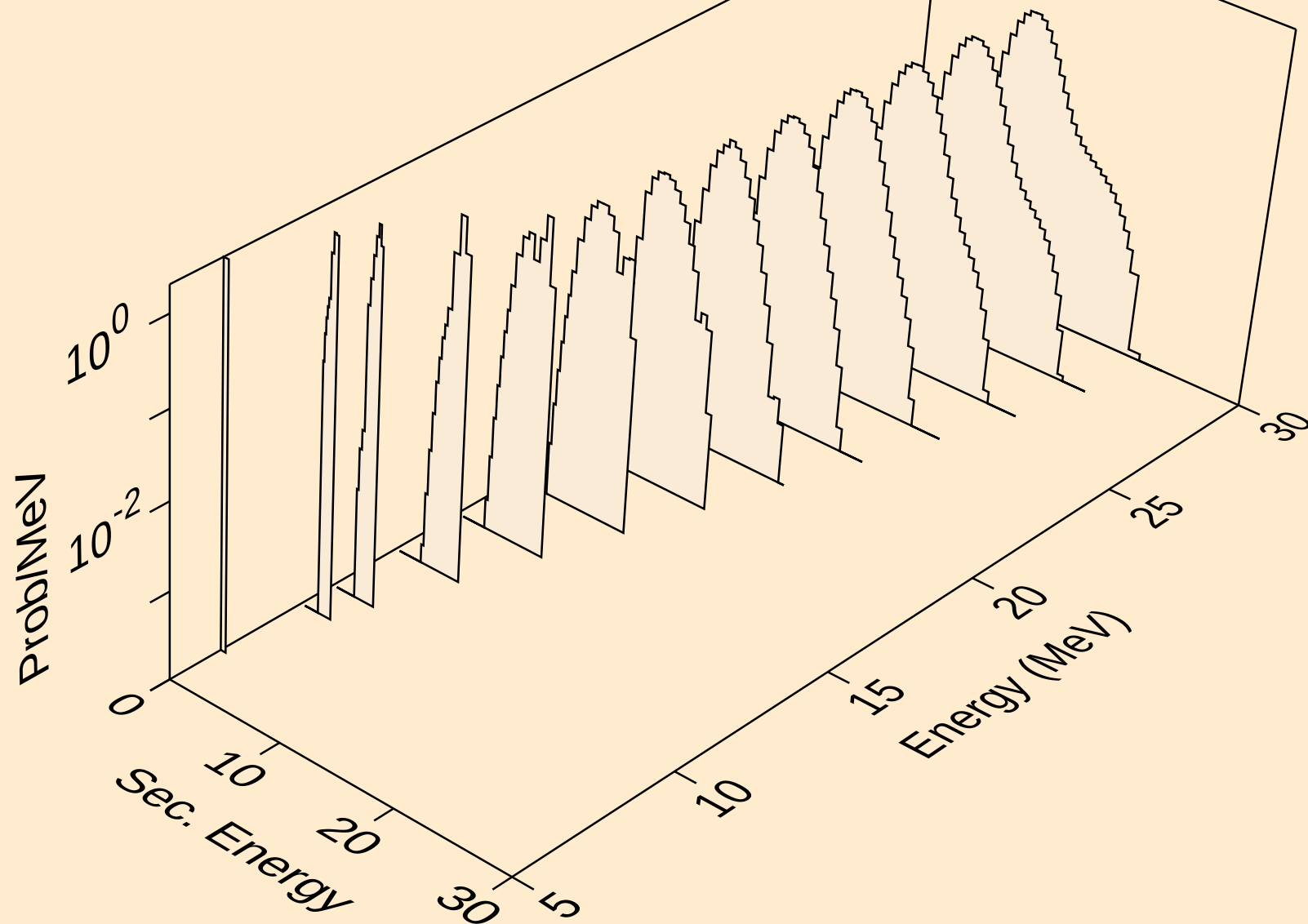
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,n2p)



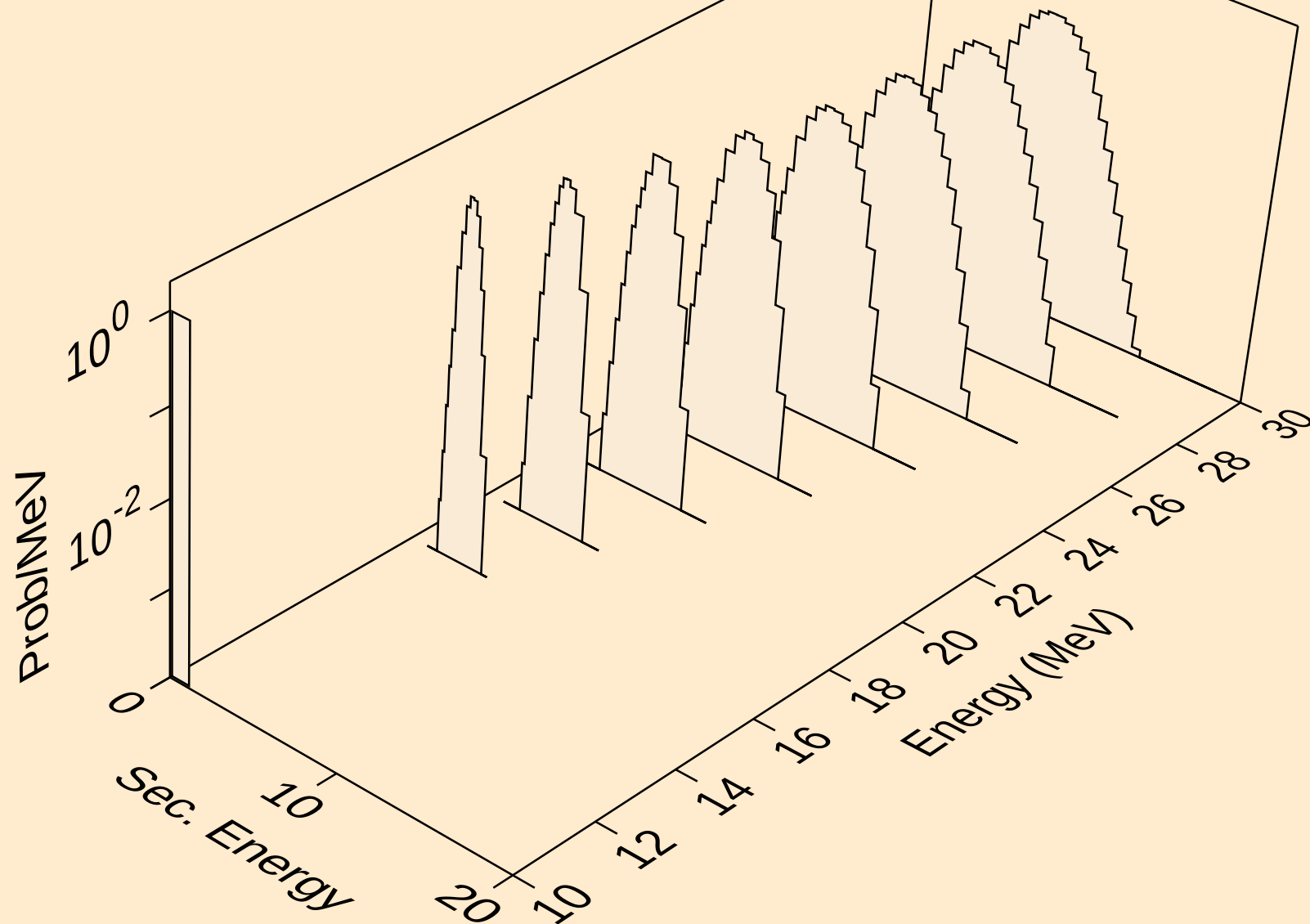
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,npa)



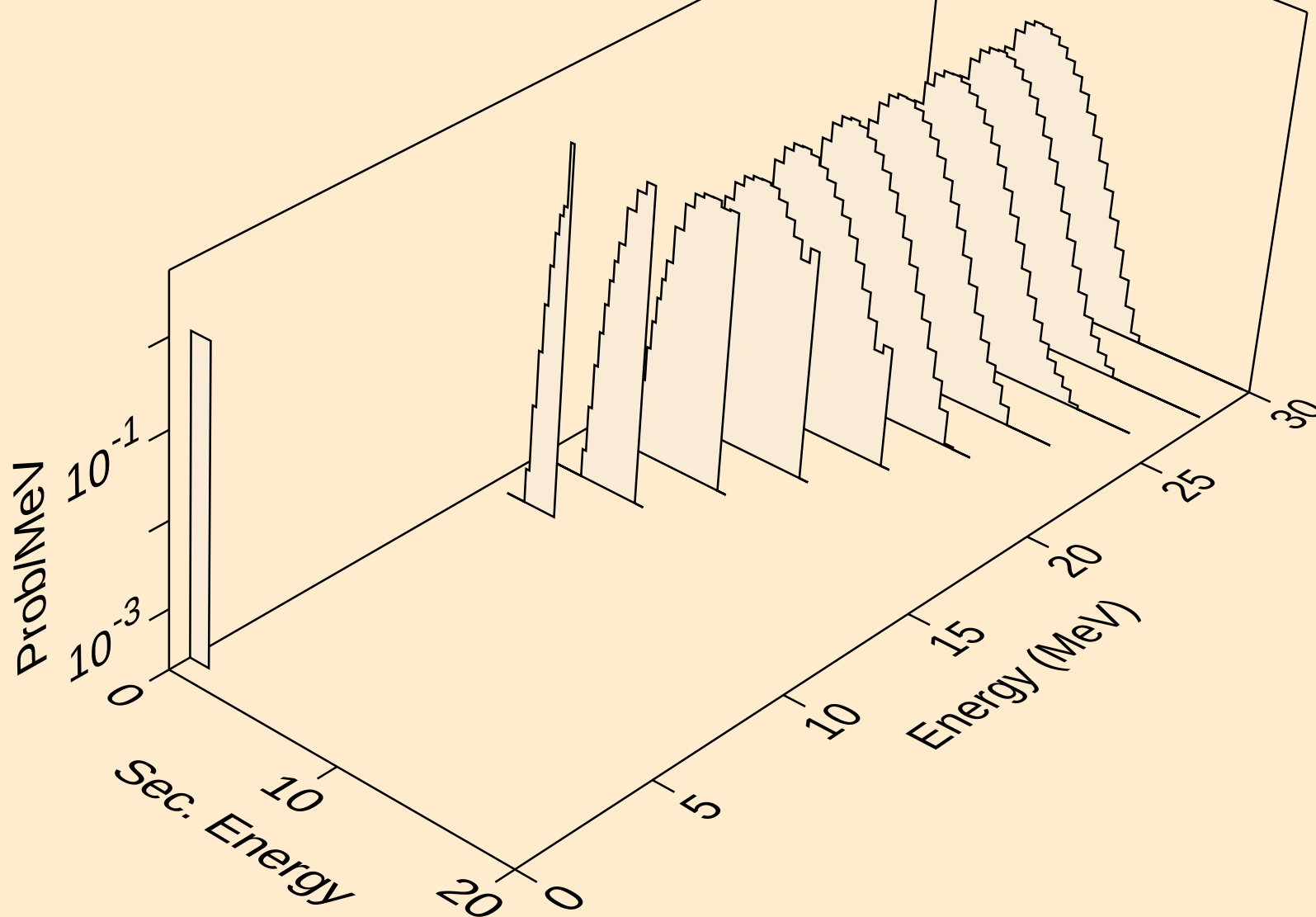
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,p)



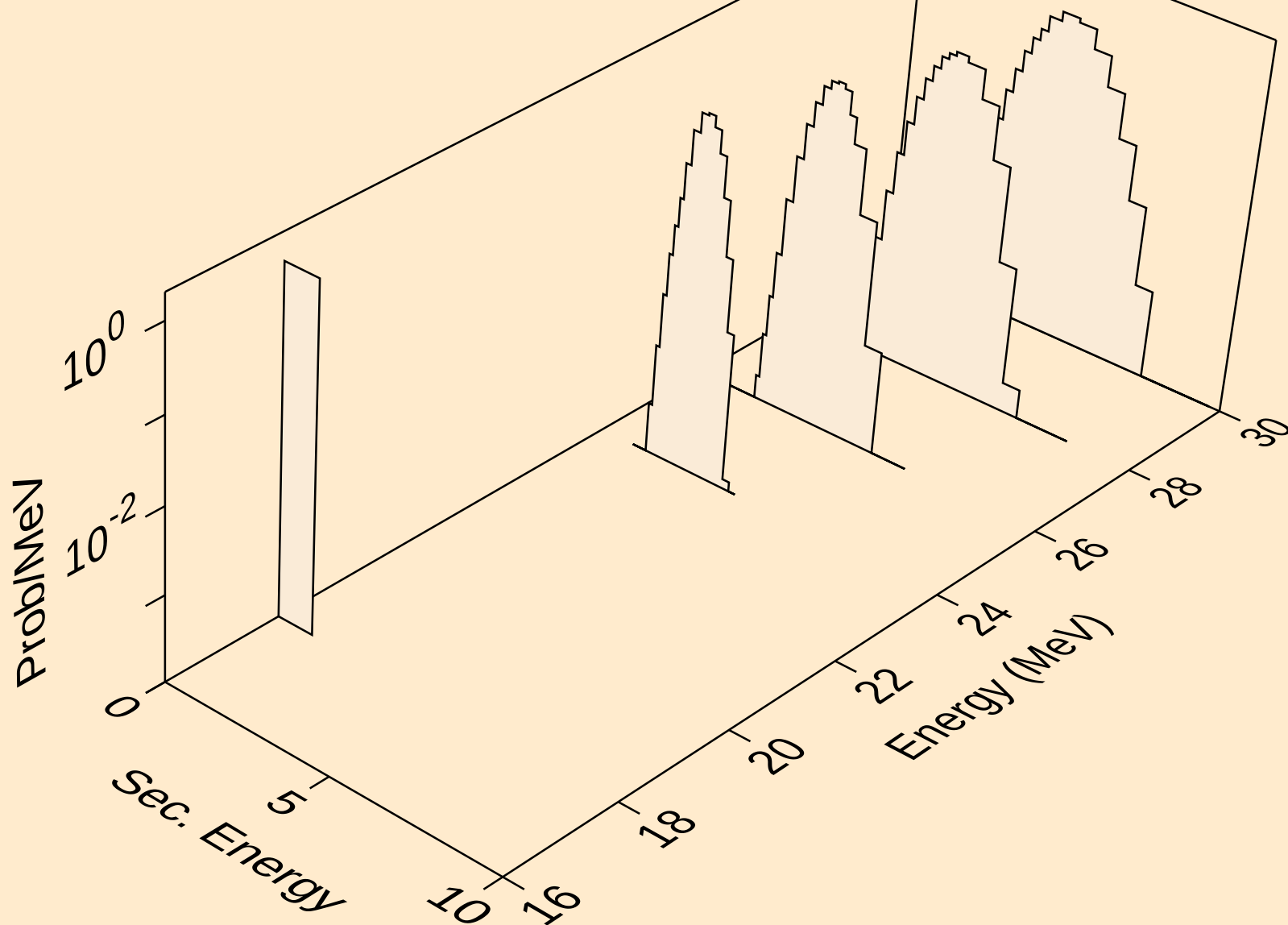
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,2p)



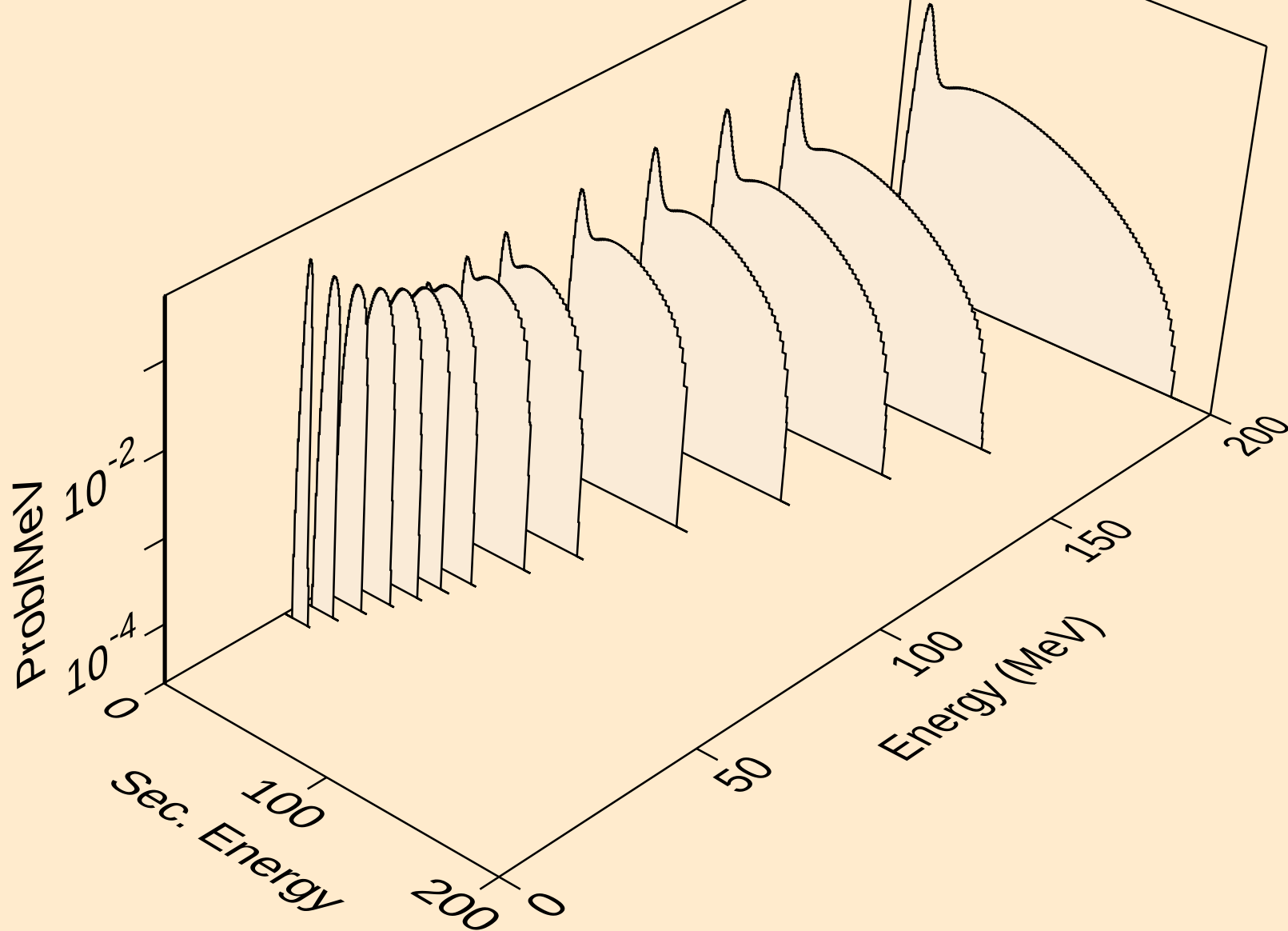
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,pa)



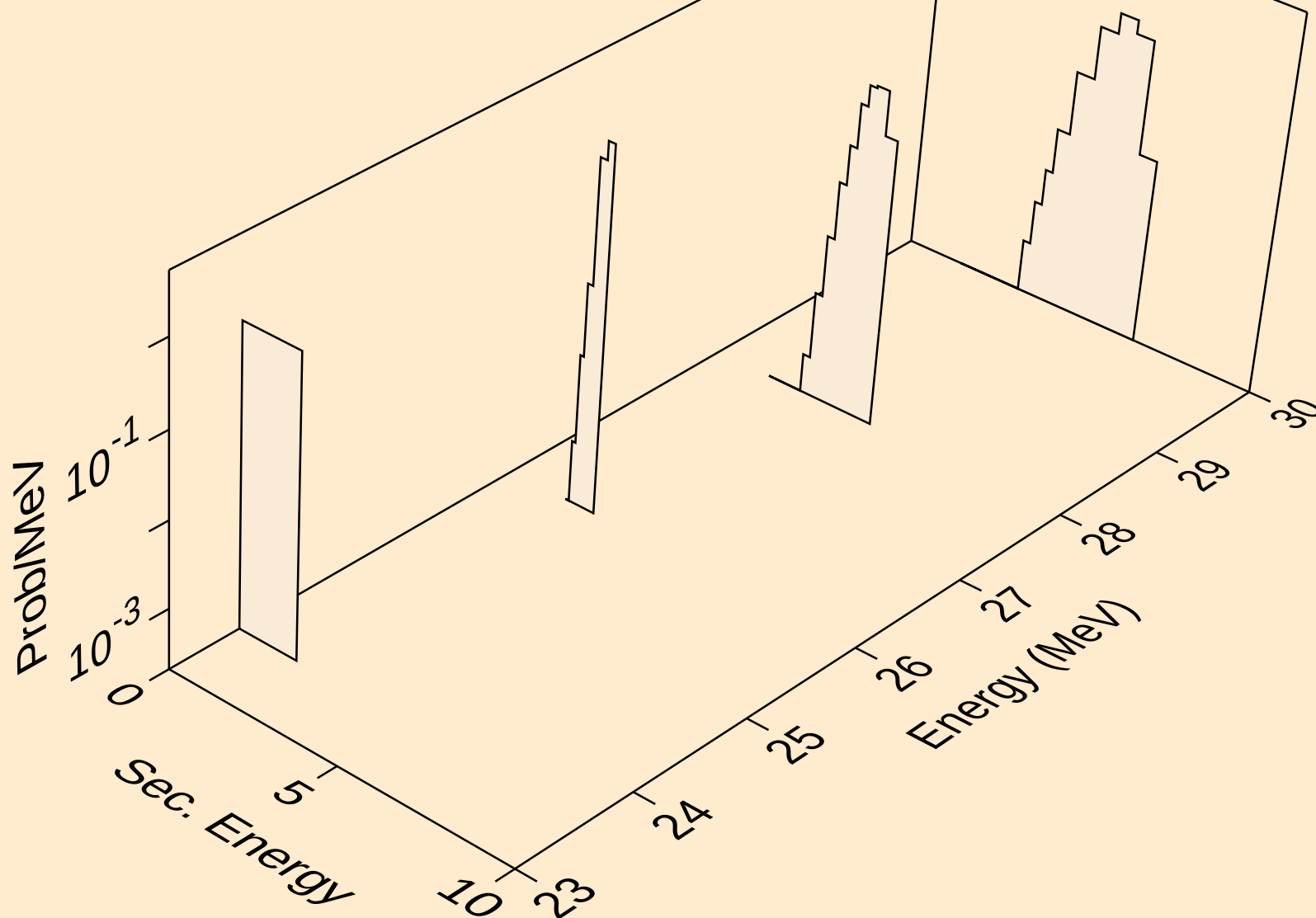
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,pd)



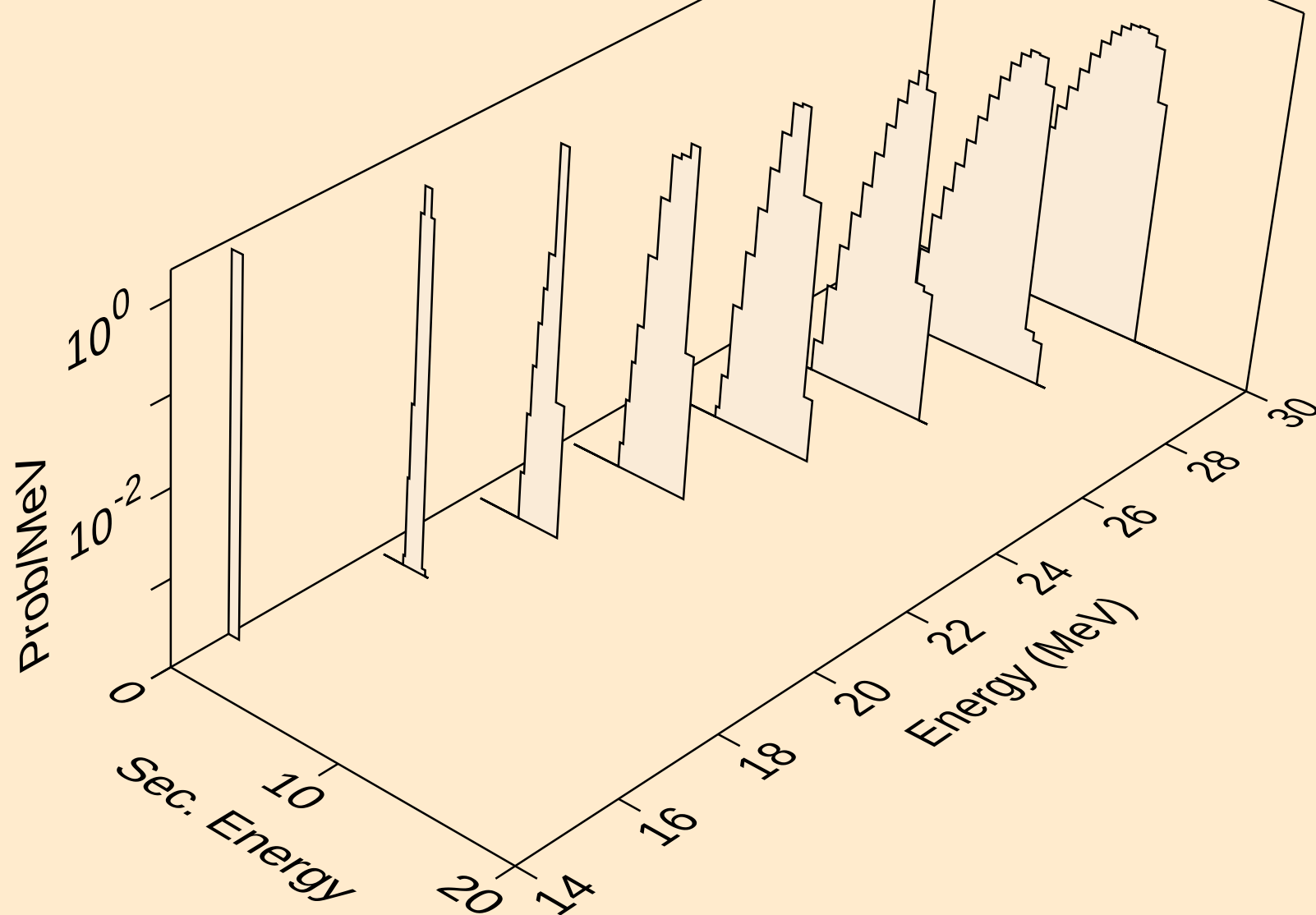
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,x)



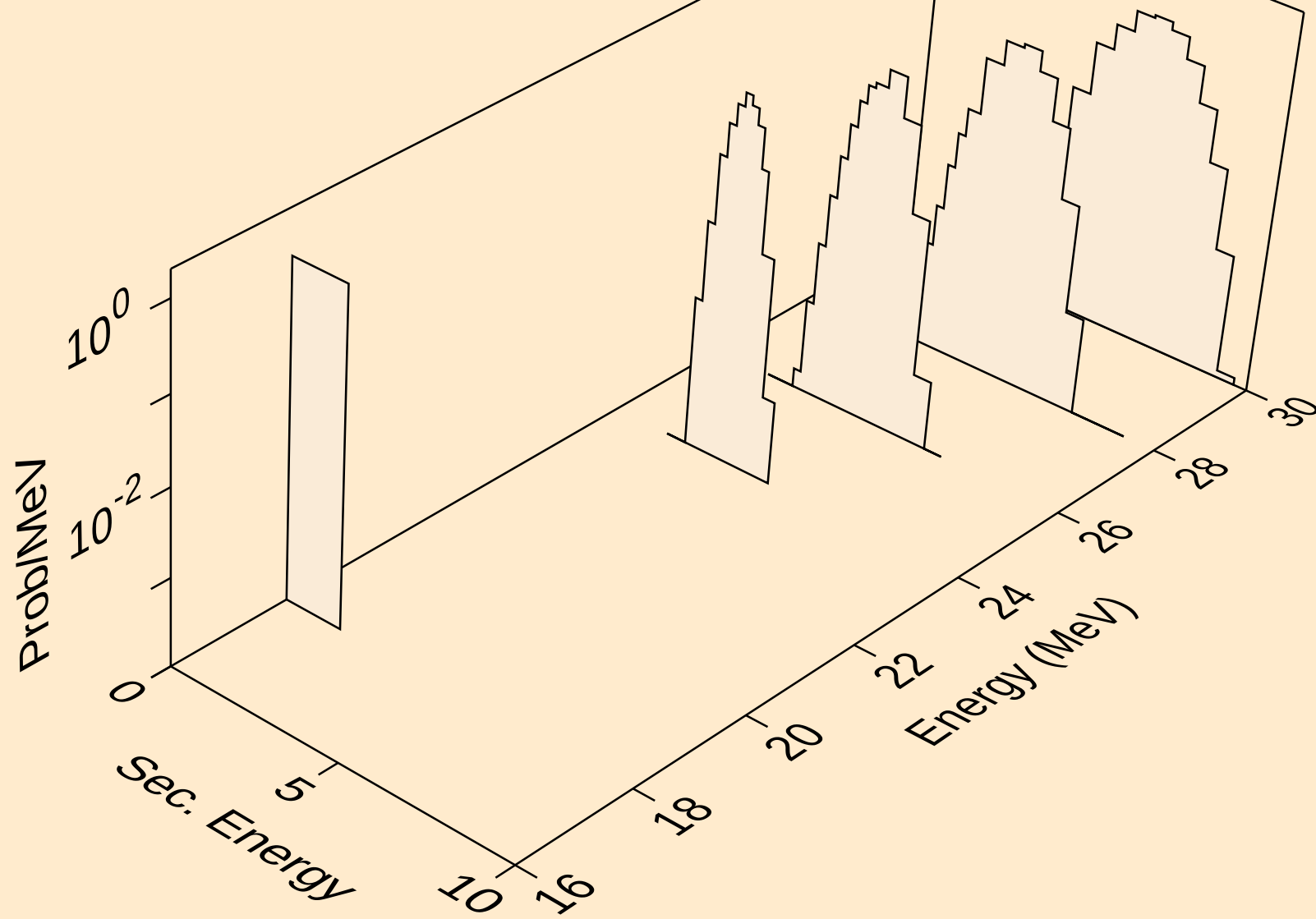
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,n\*)d



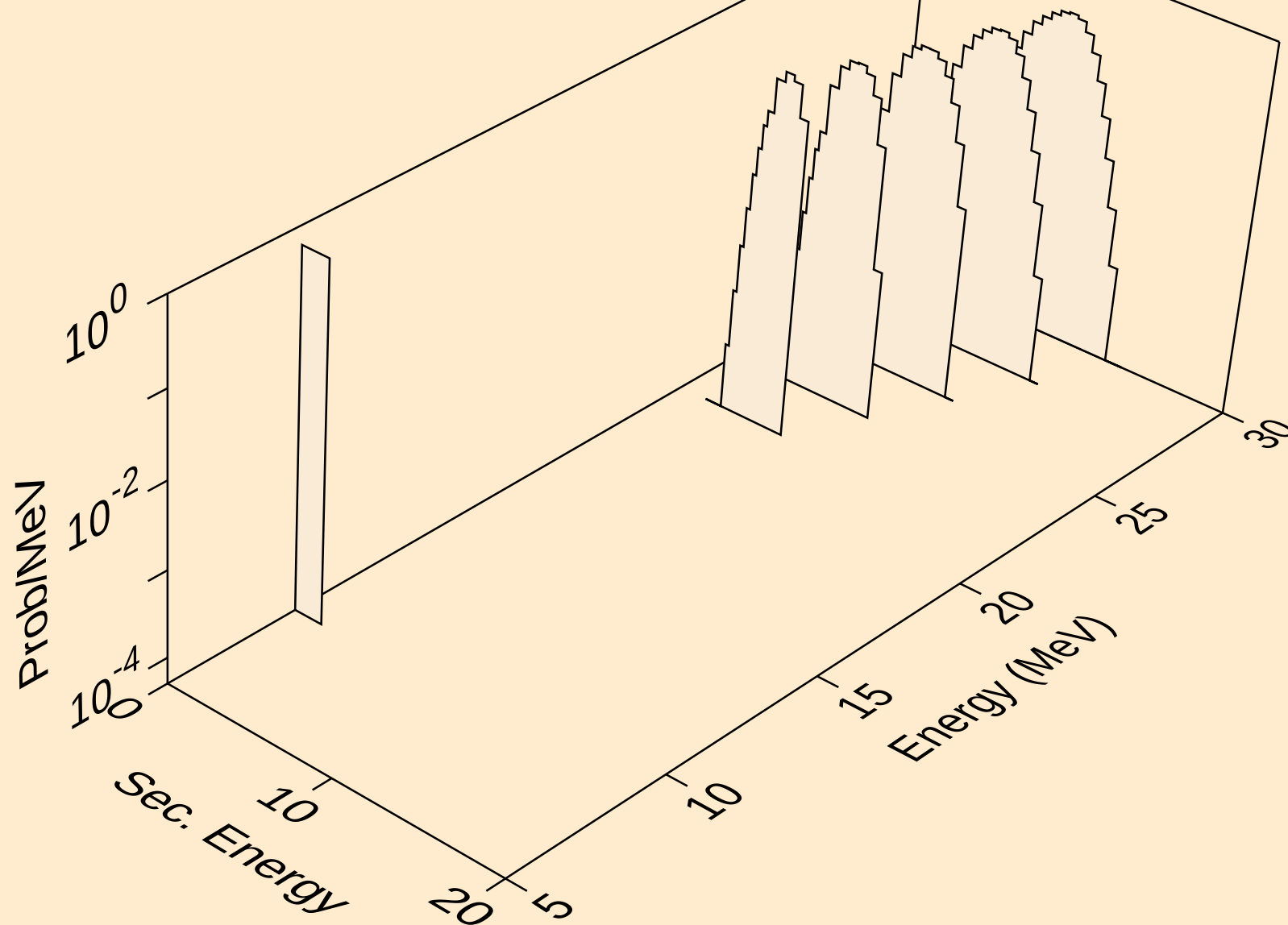
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,d)



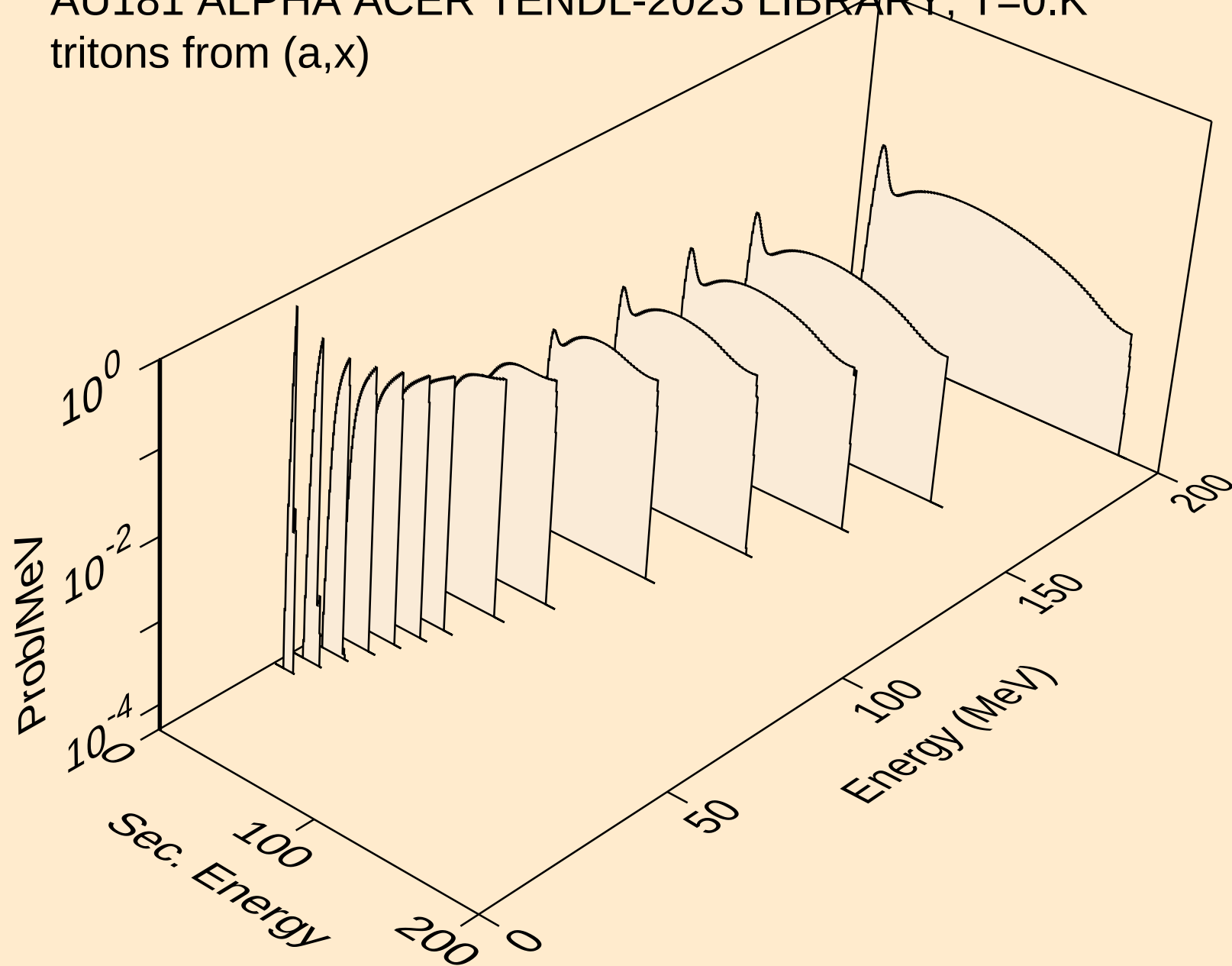
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,pd)



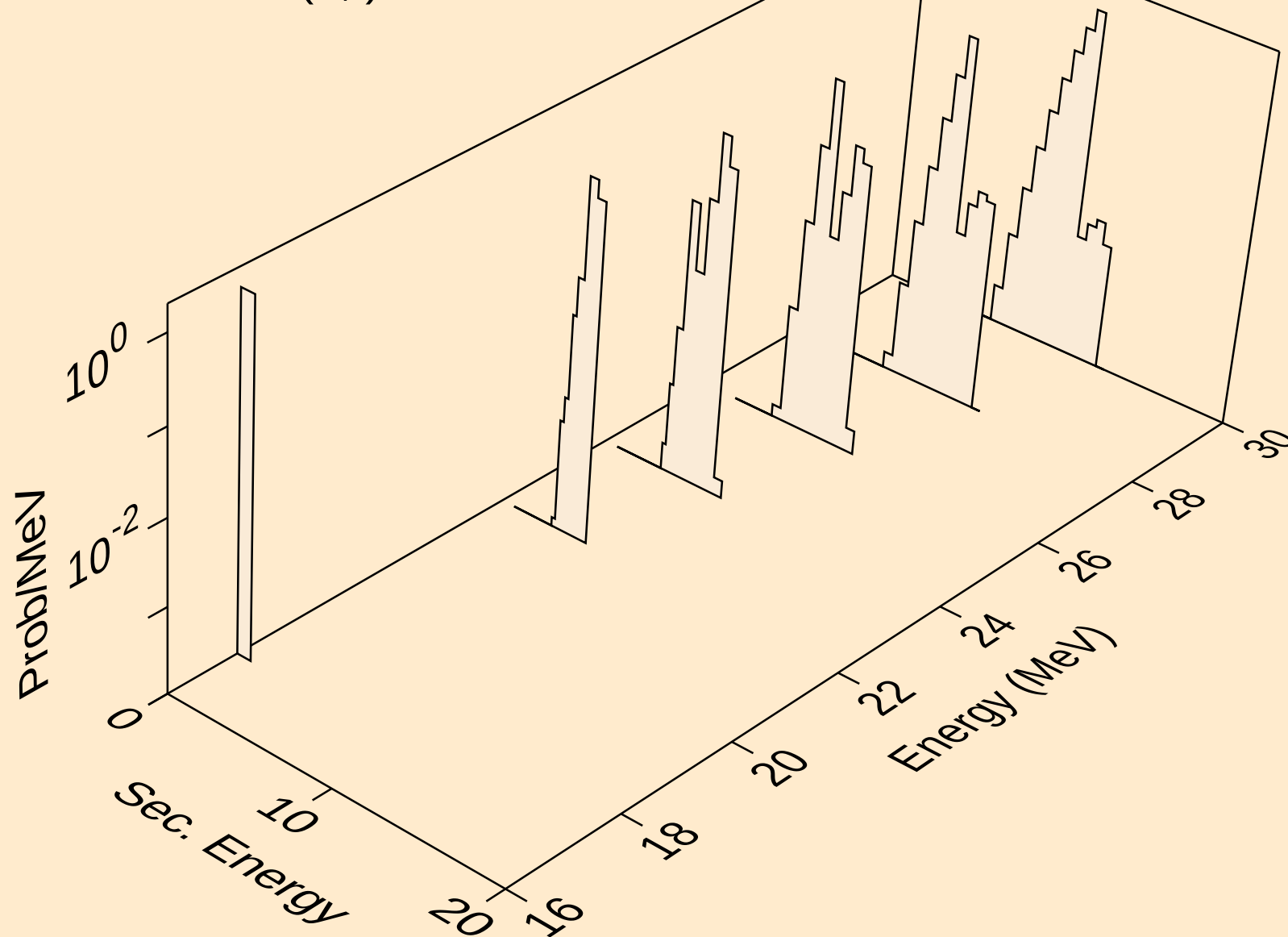
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,da)



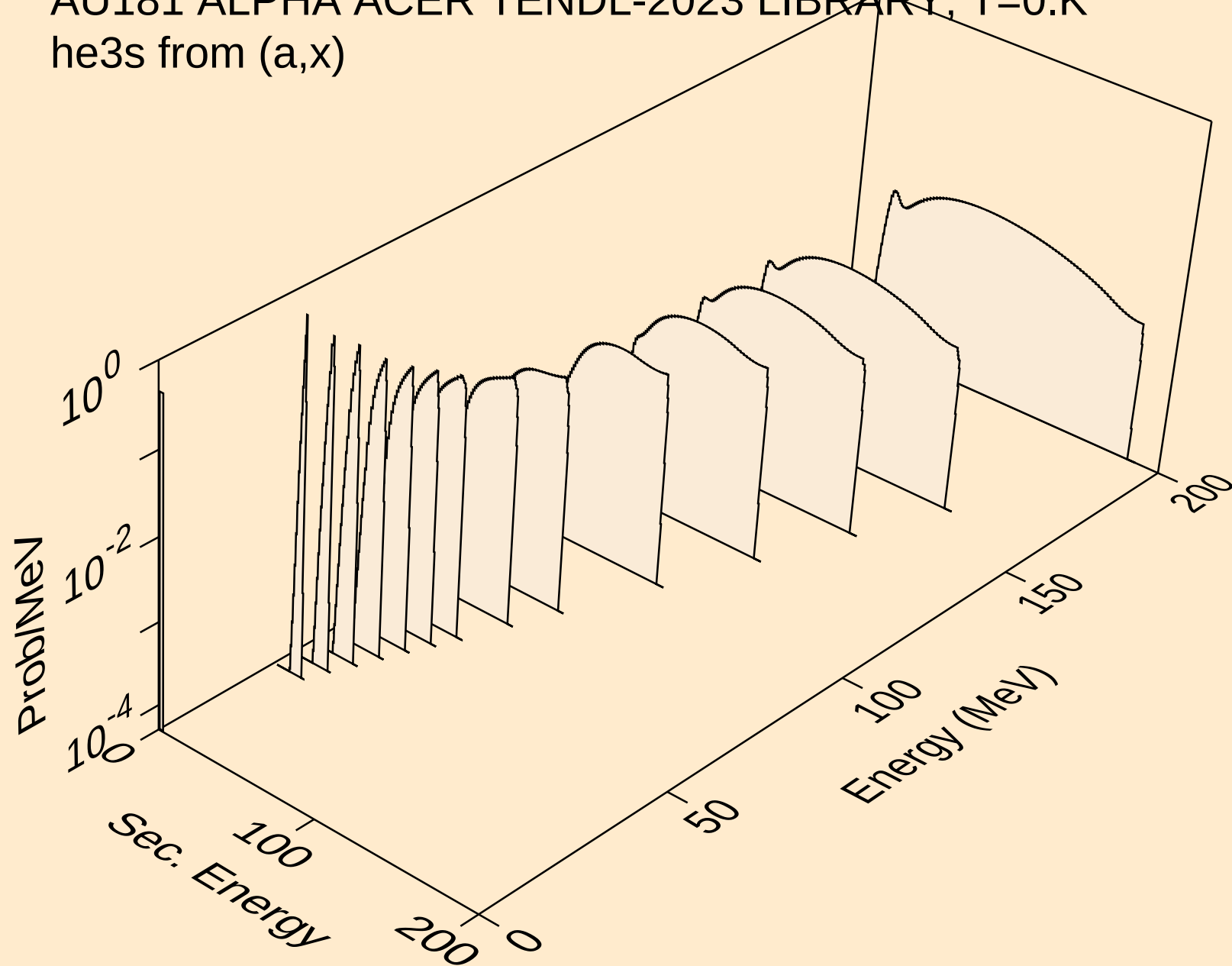
AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,x)



AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,t)



AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,x)



AU181 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,he3)

