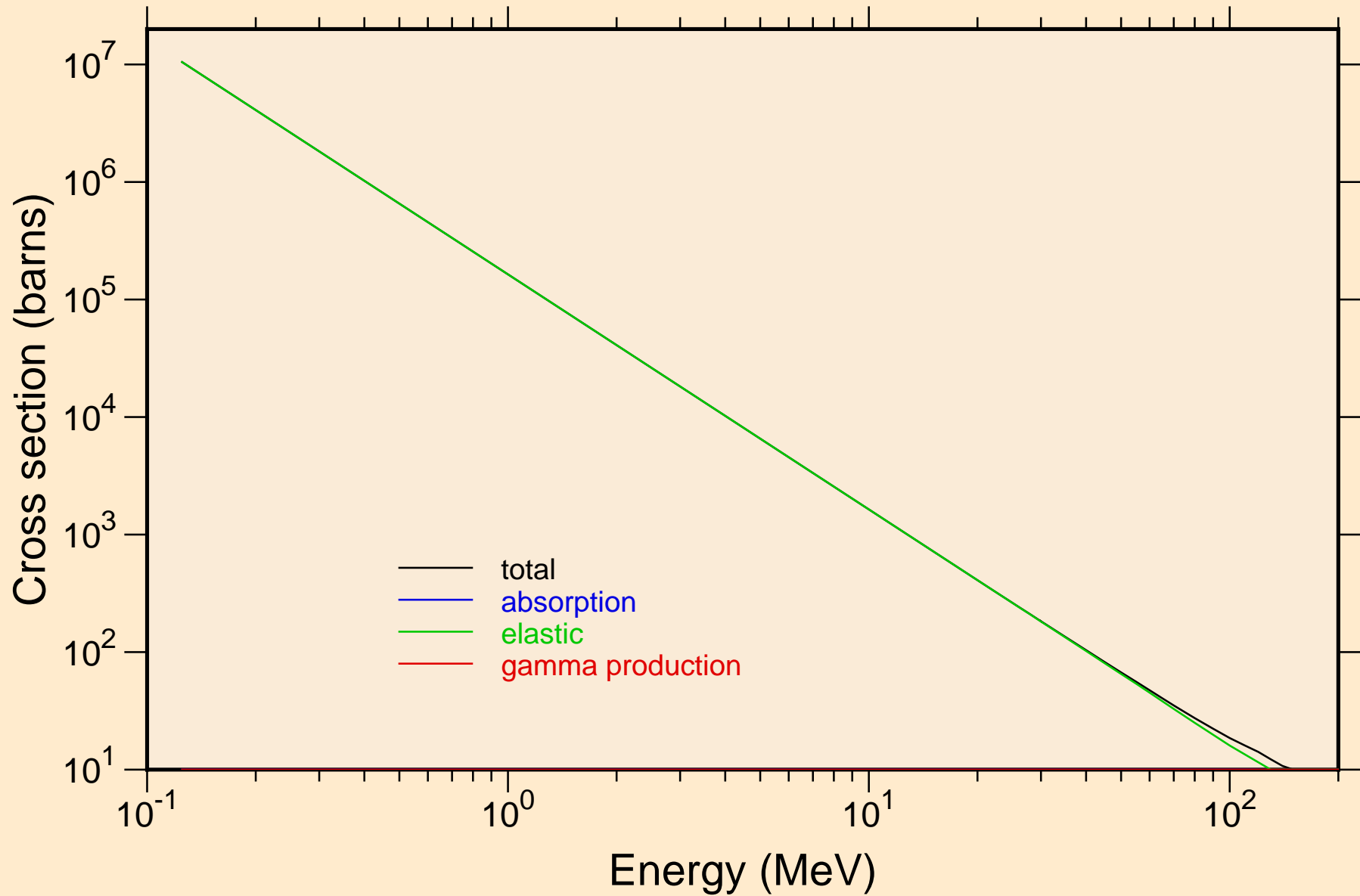


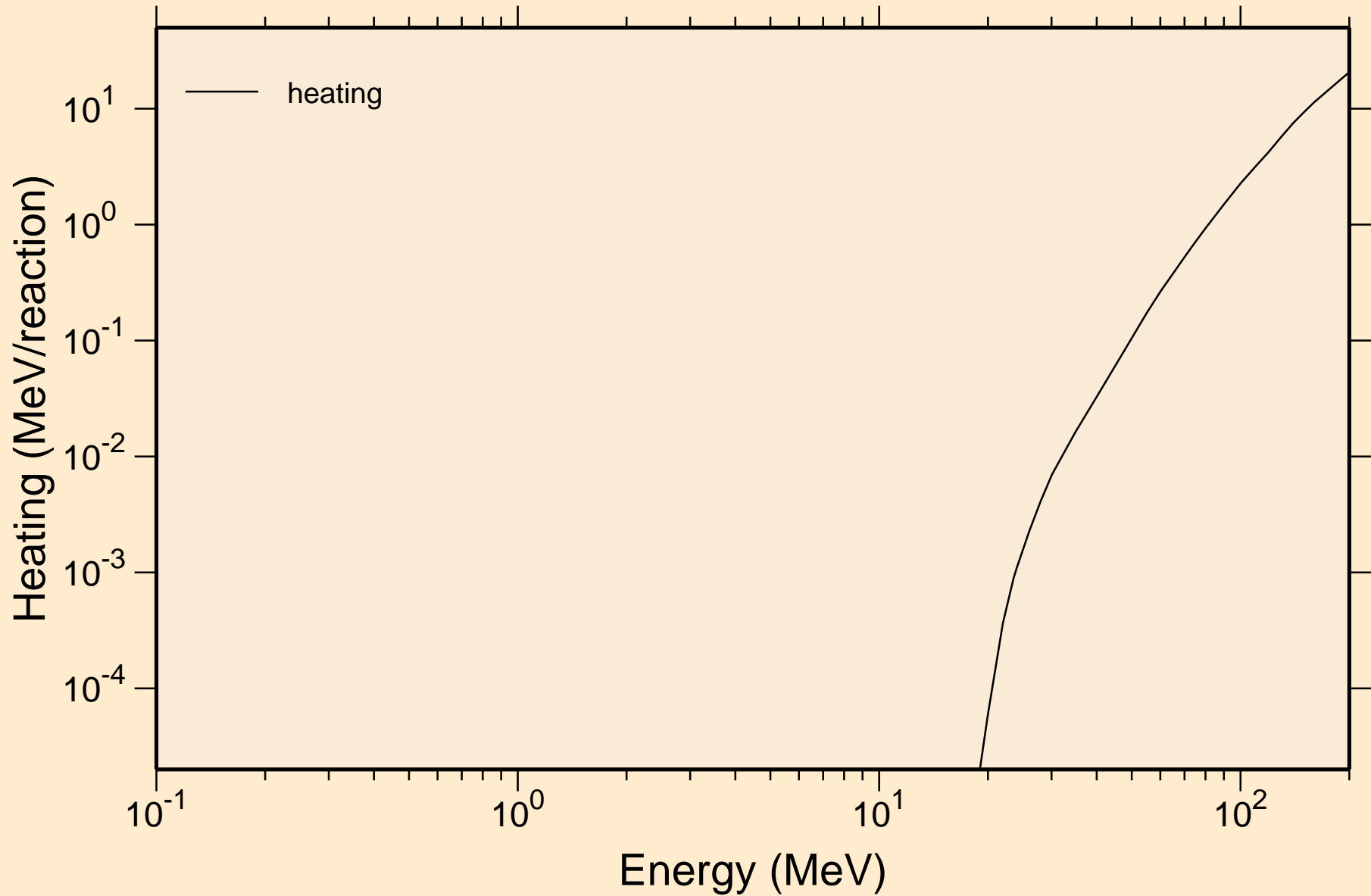
# HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



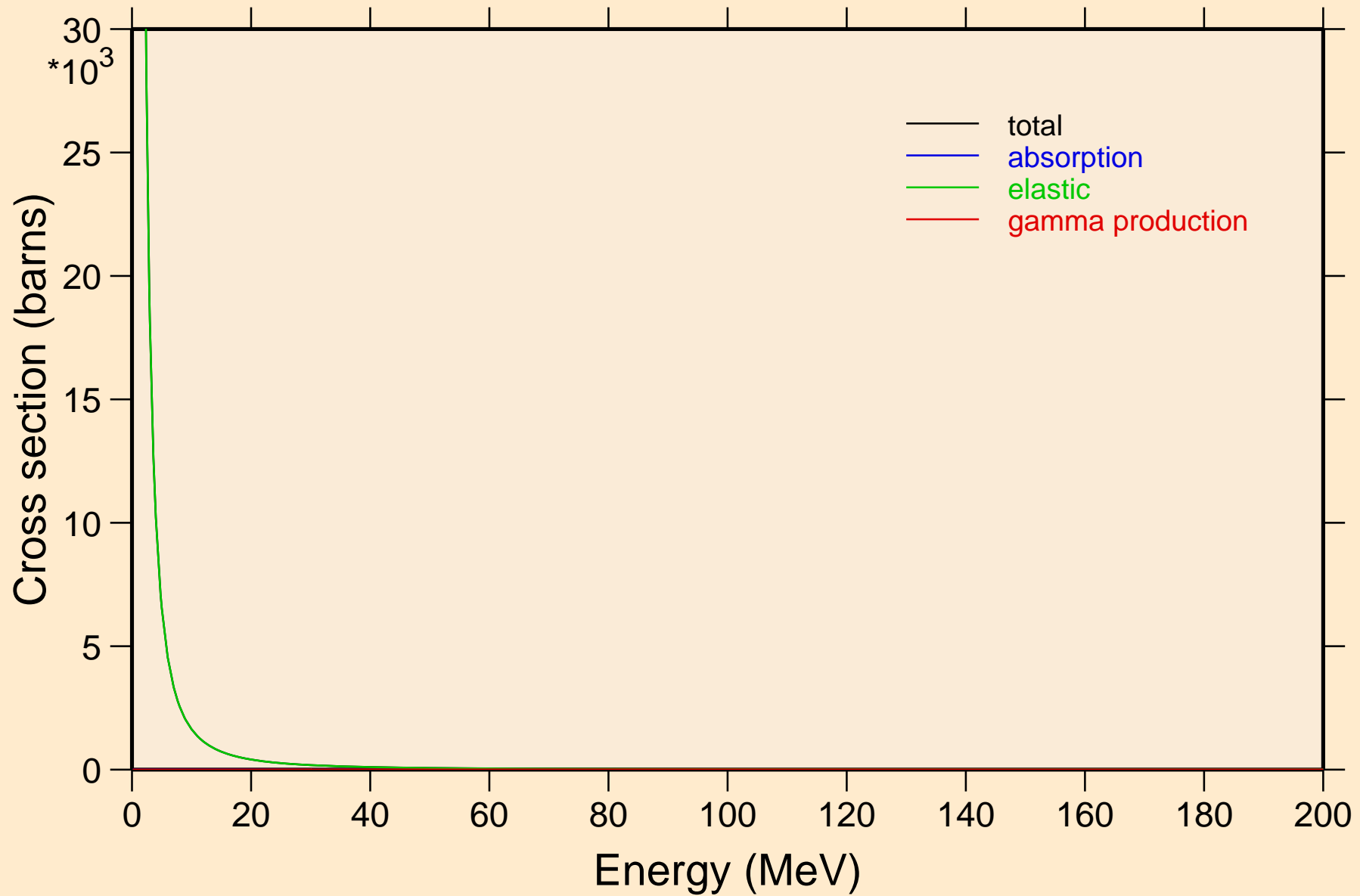
# HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

## Heating



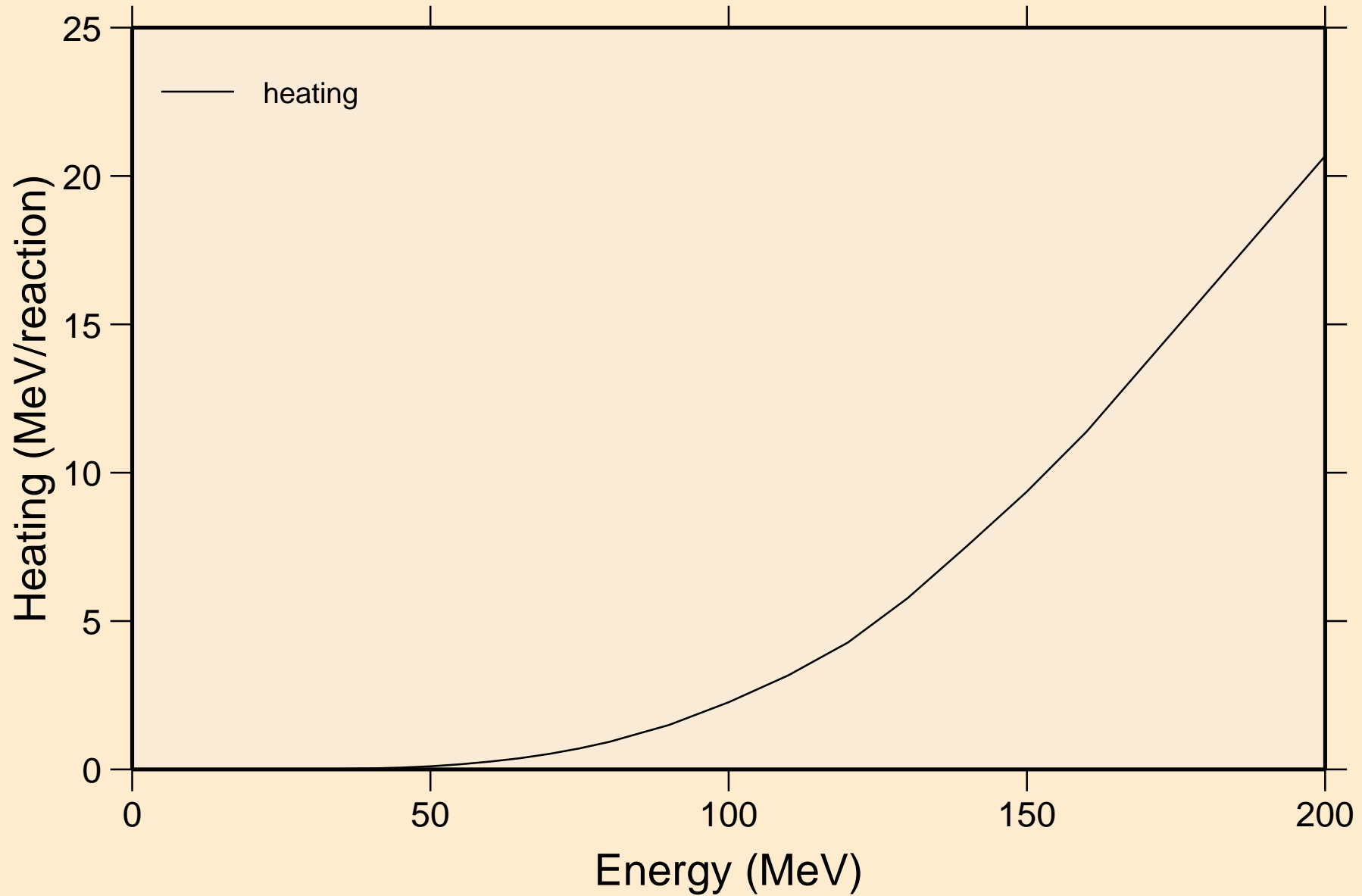
# HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

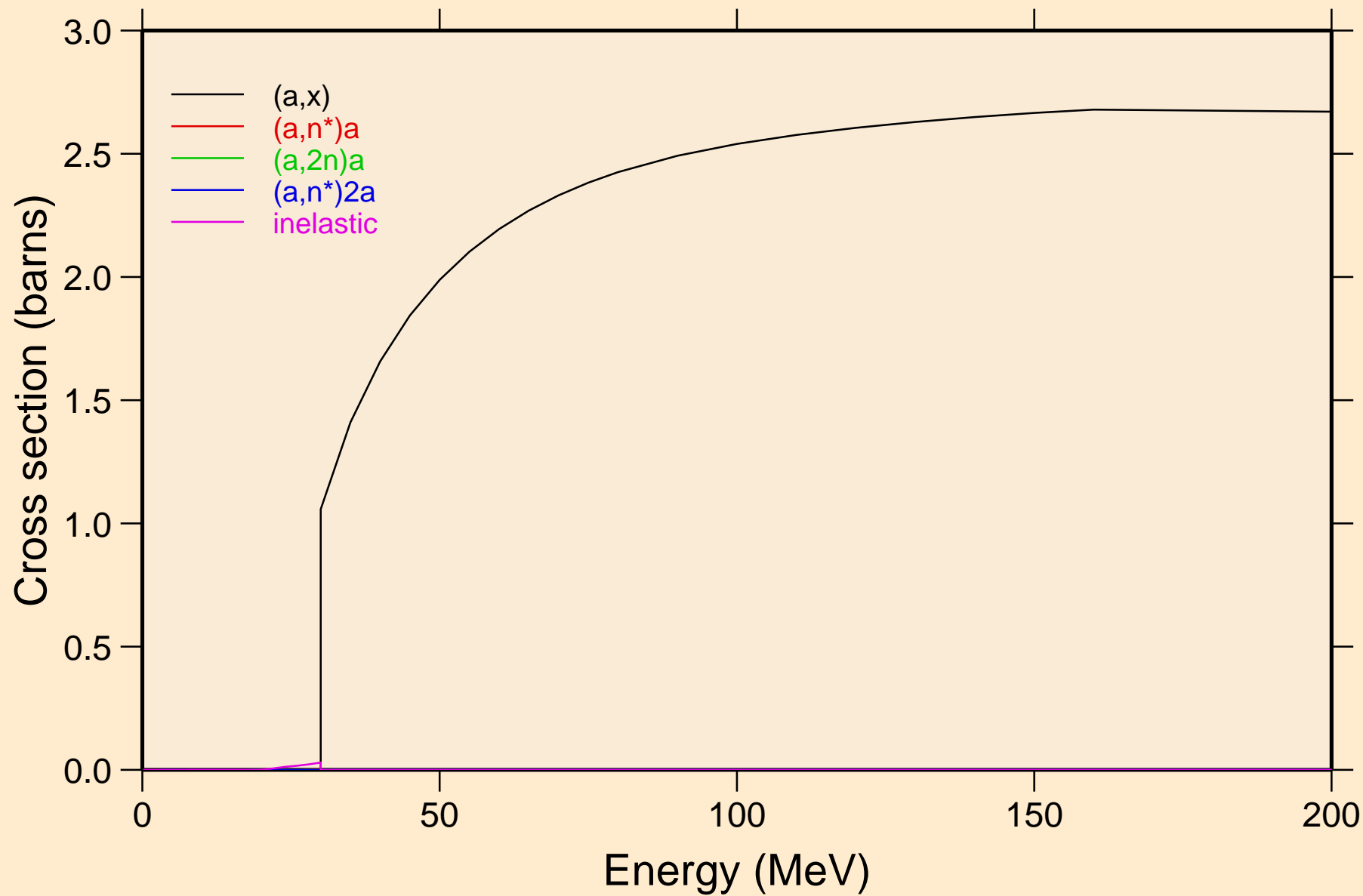


HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

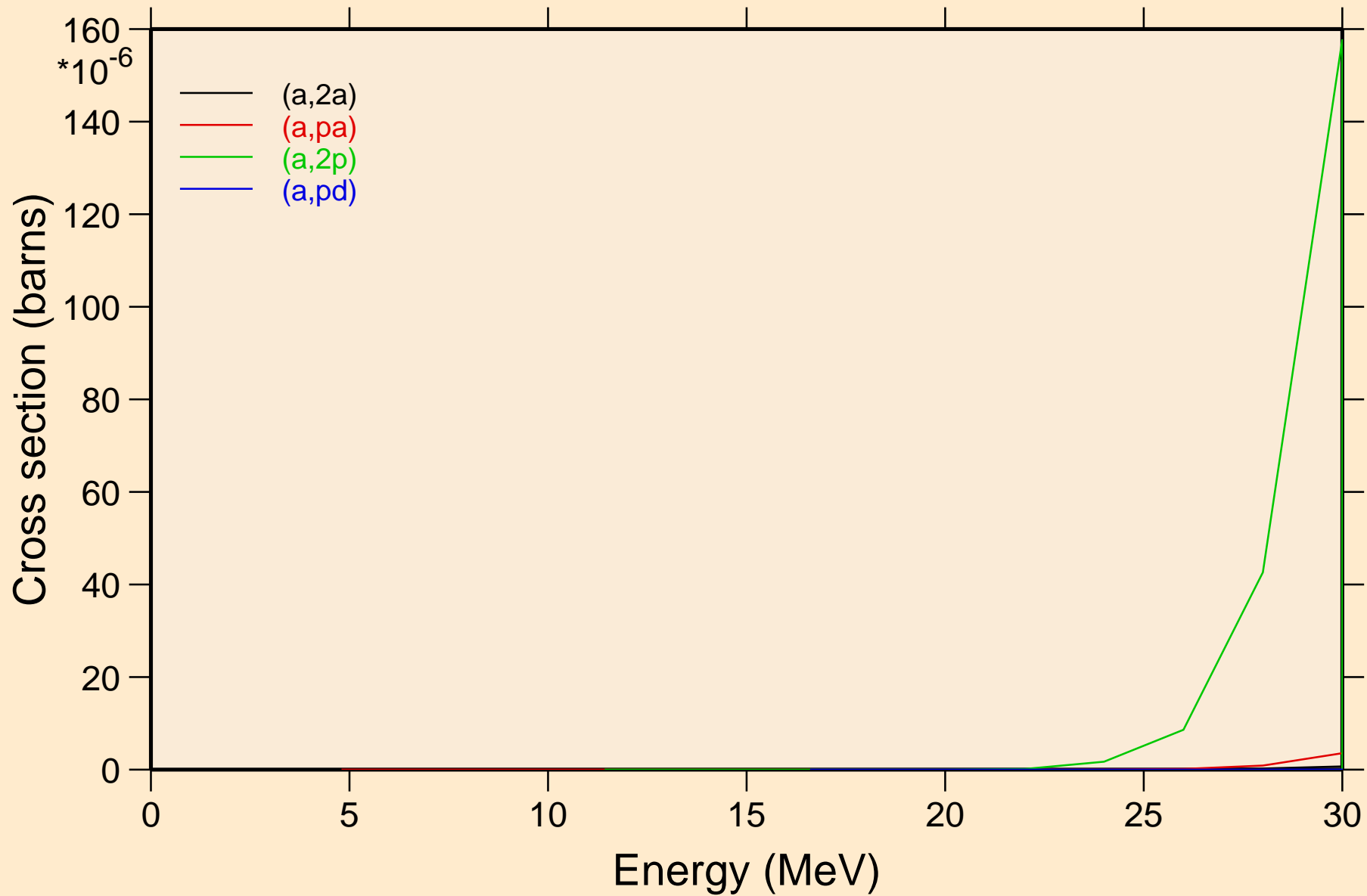
Heating



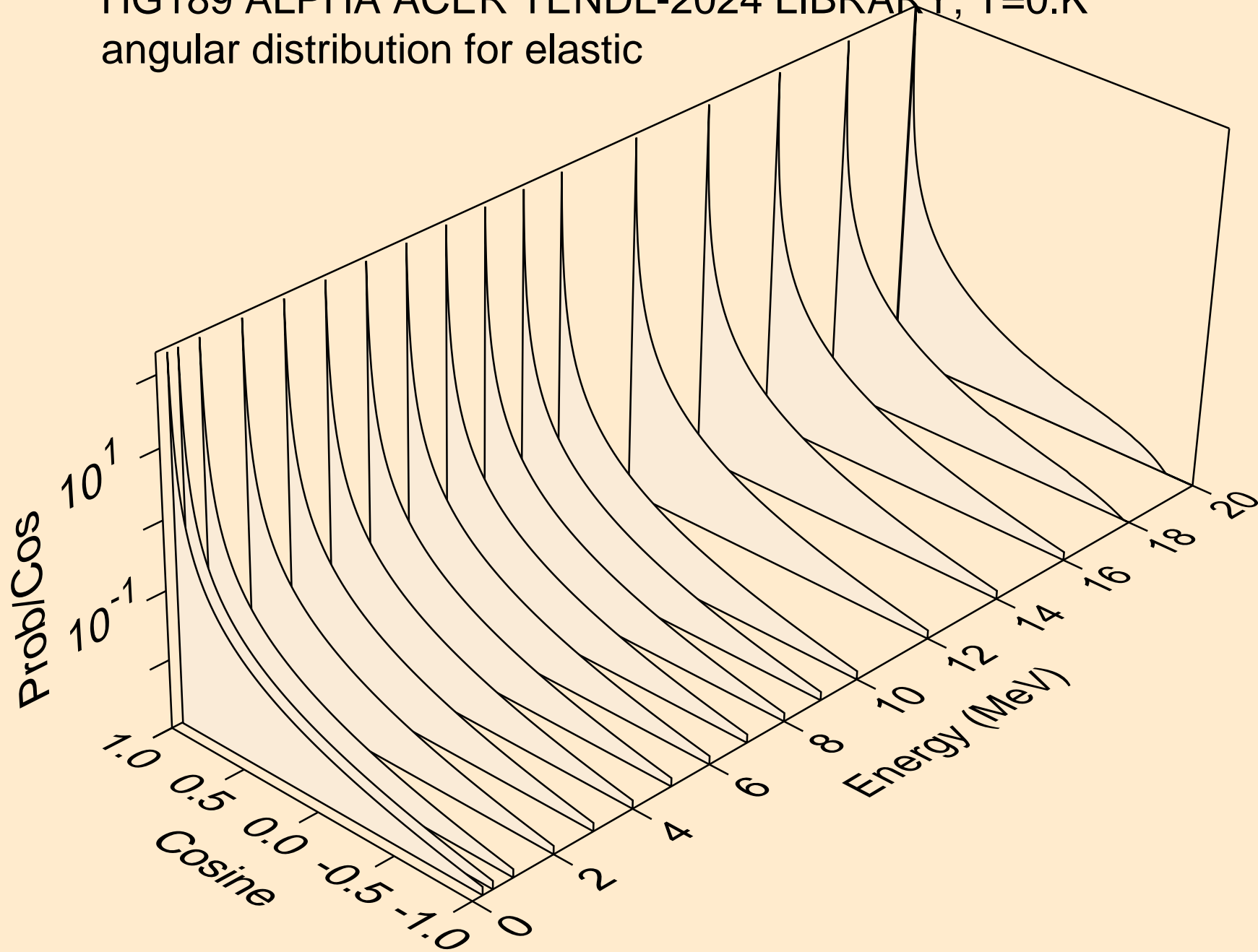
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



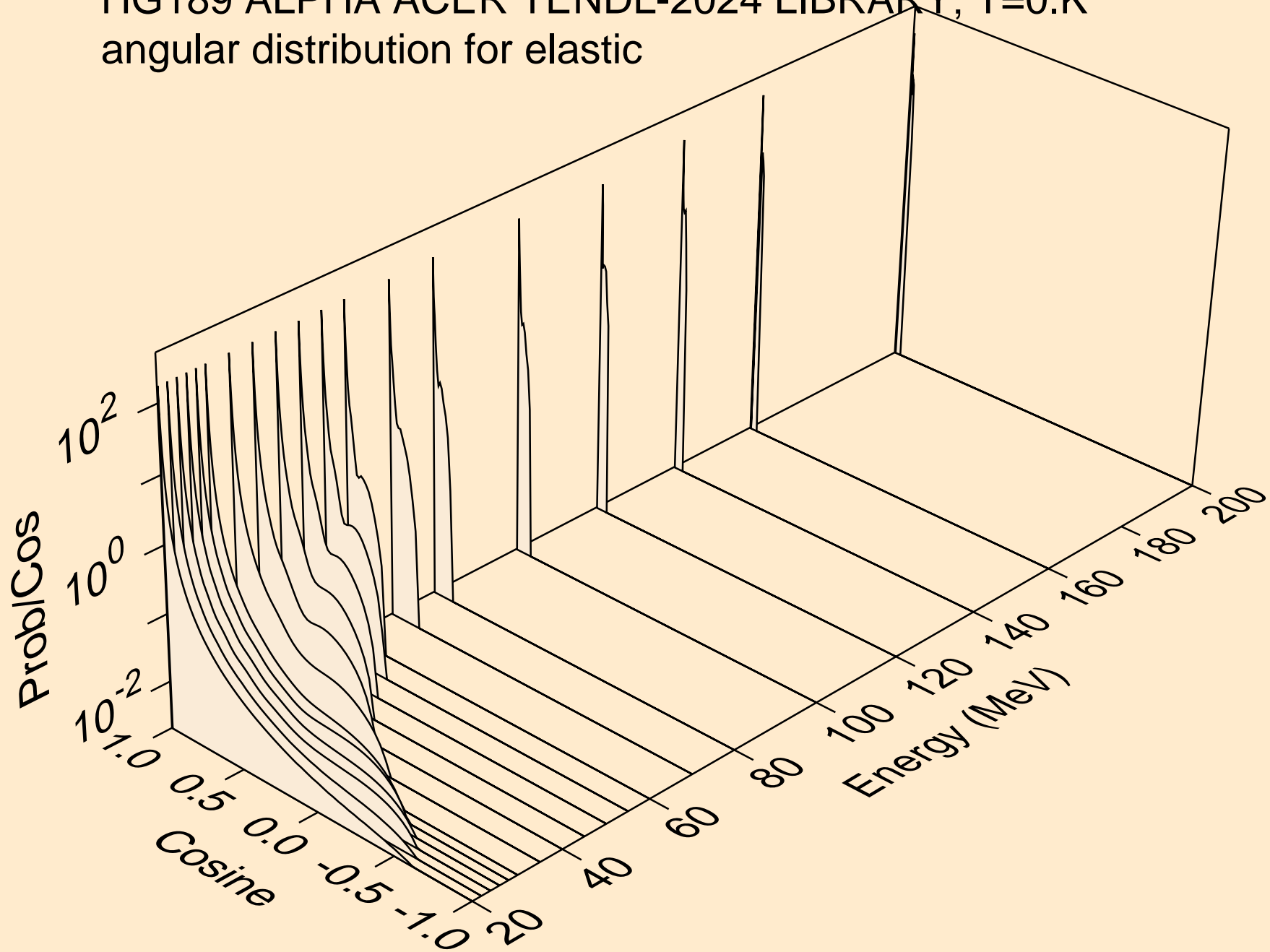
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



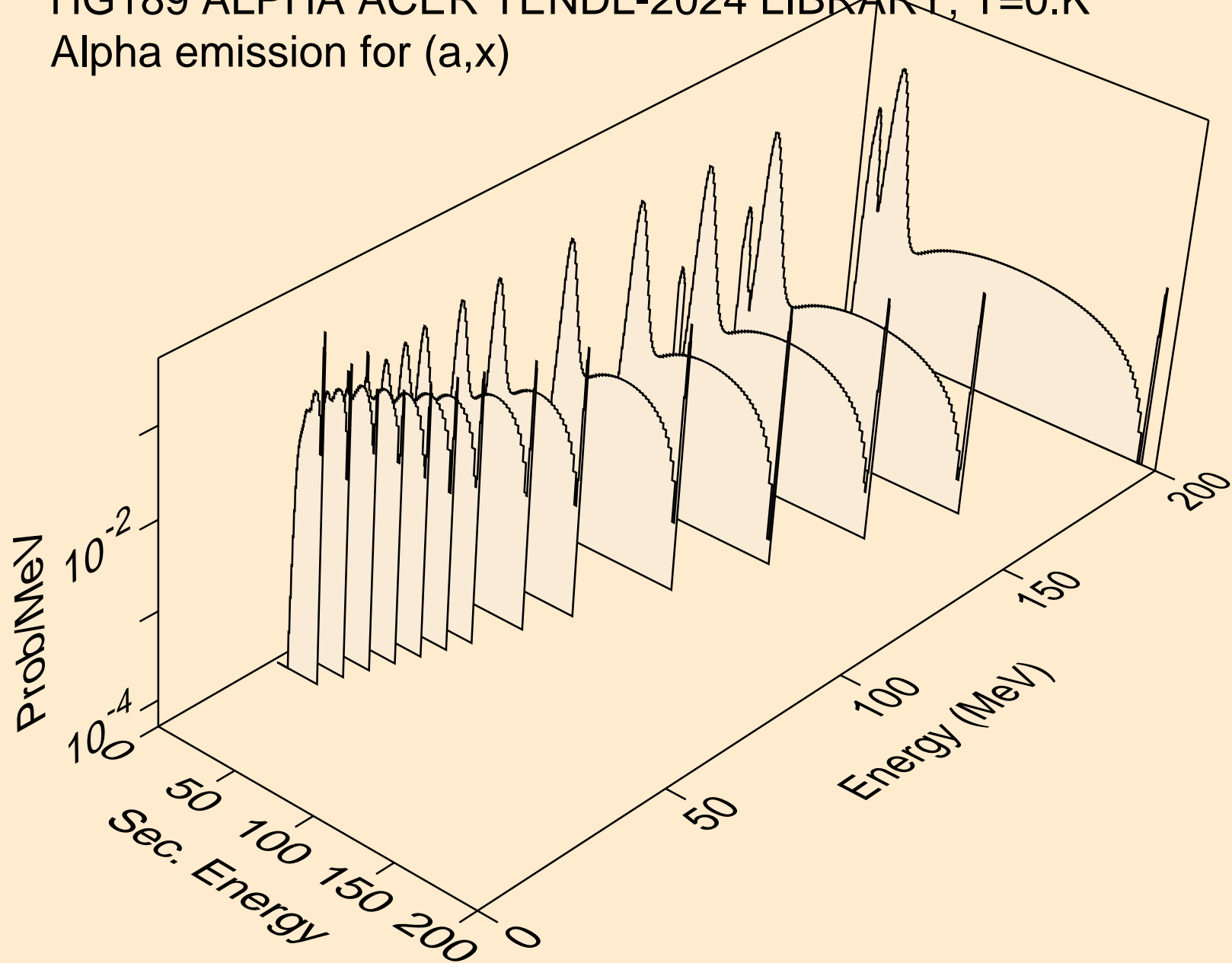
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



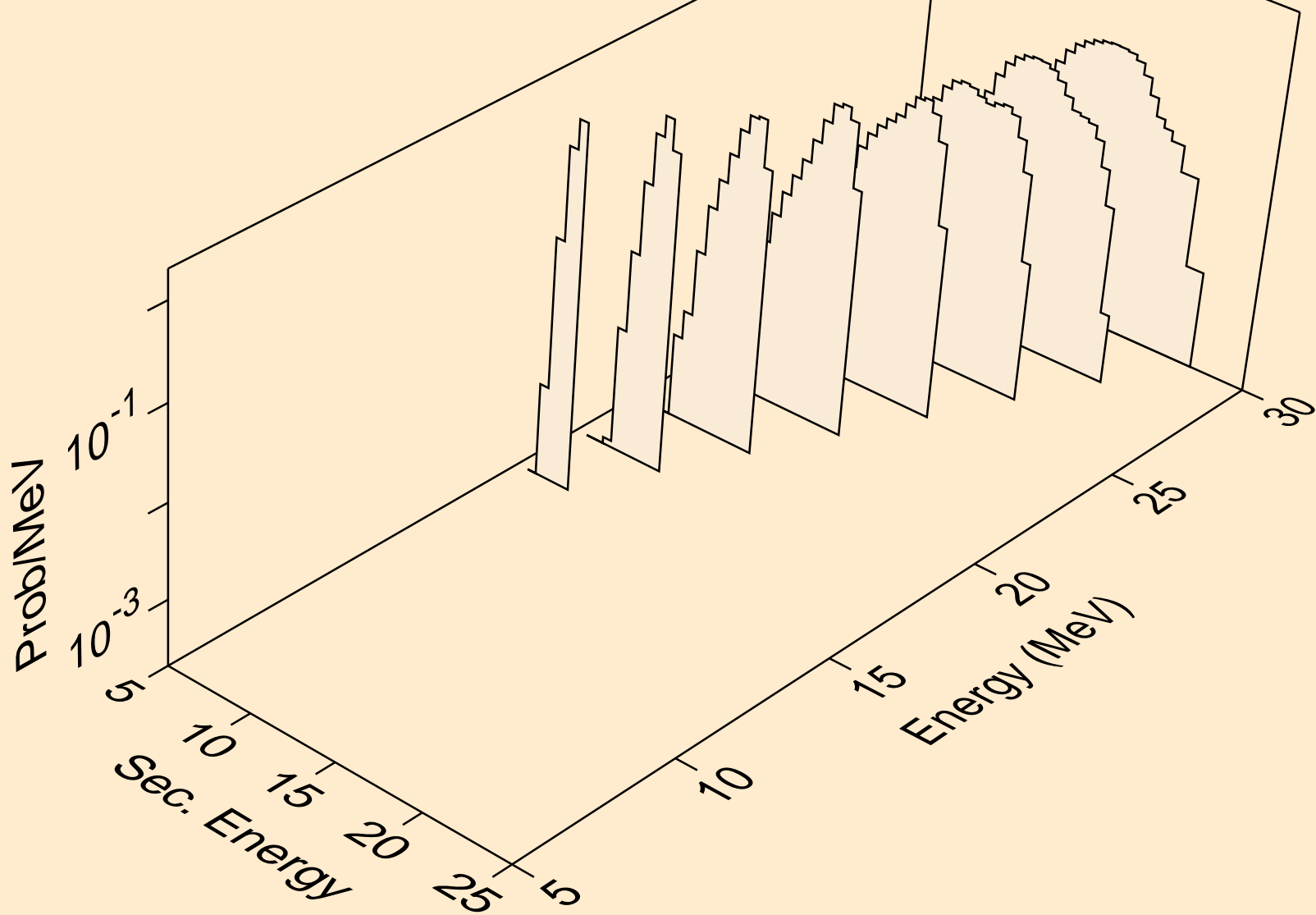
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



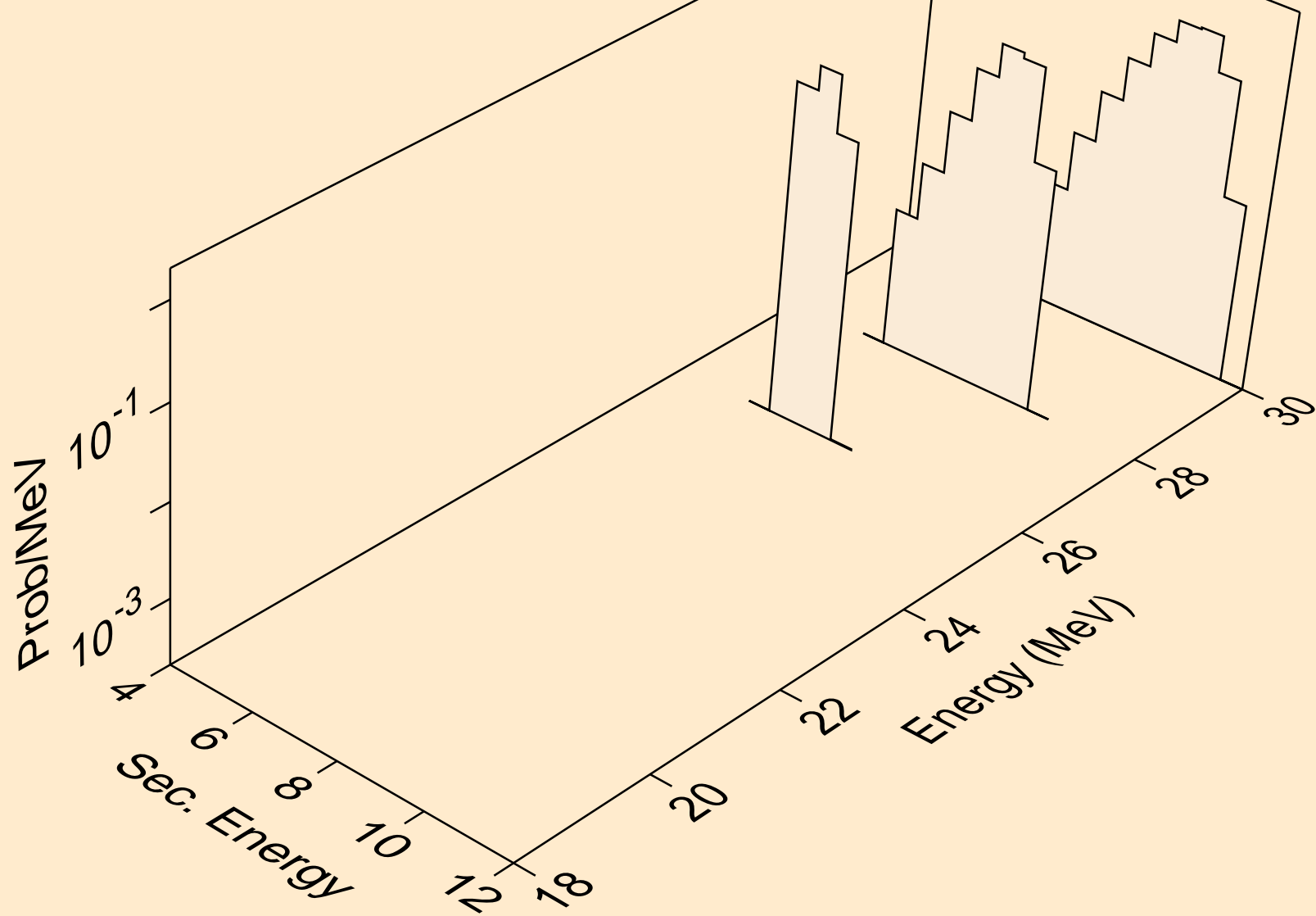
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for (a,x)



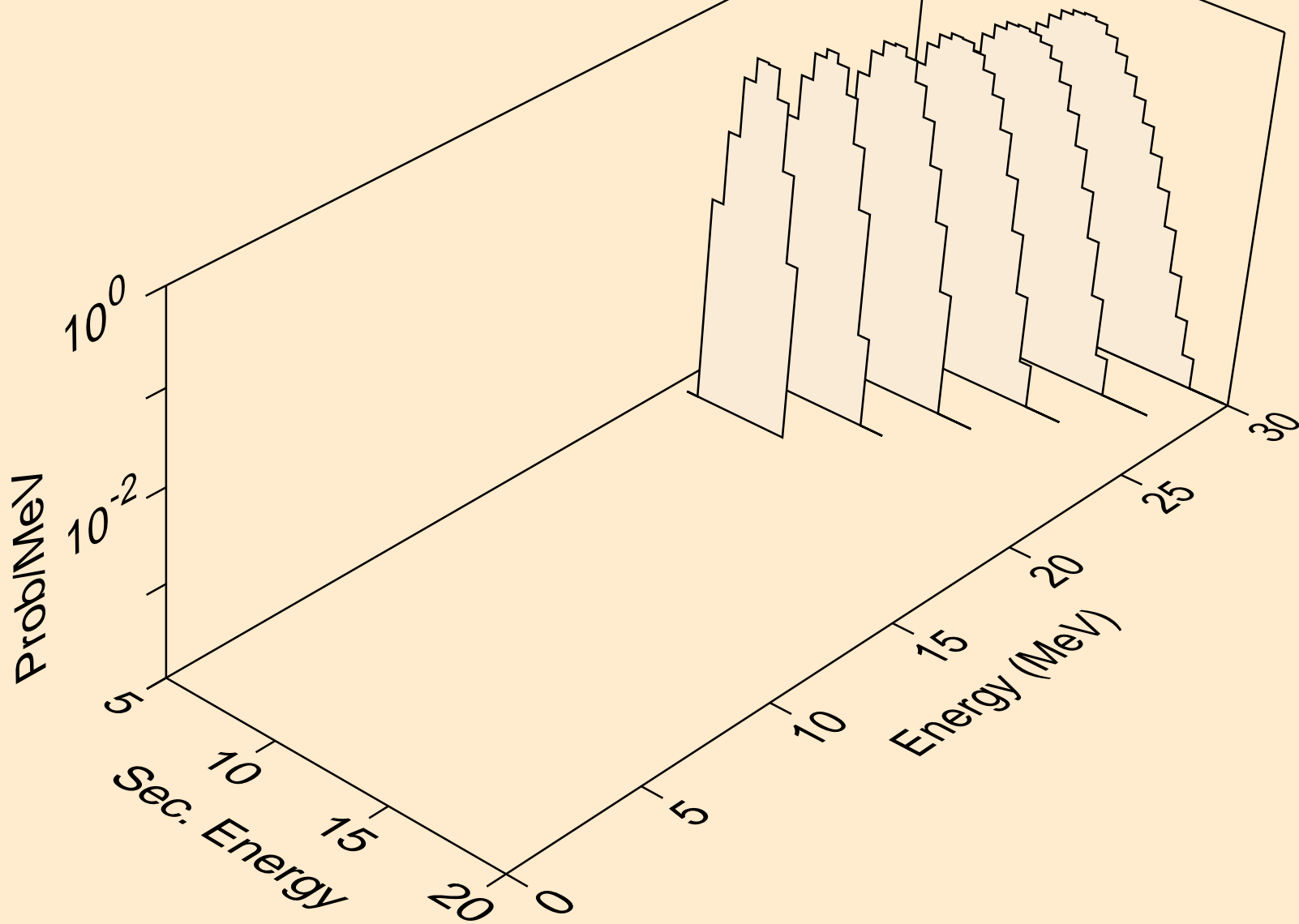
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a



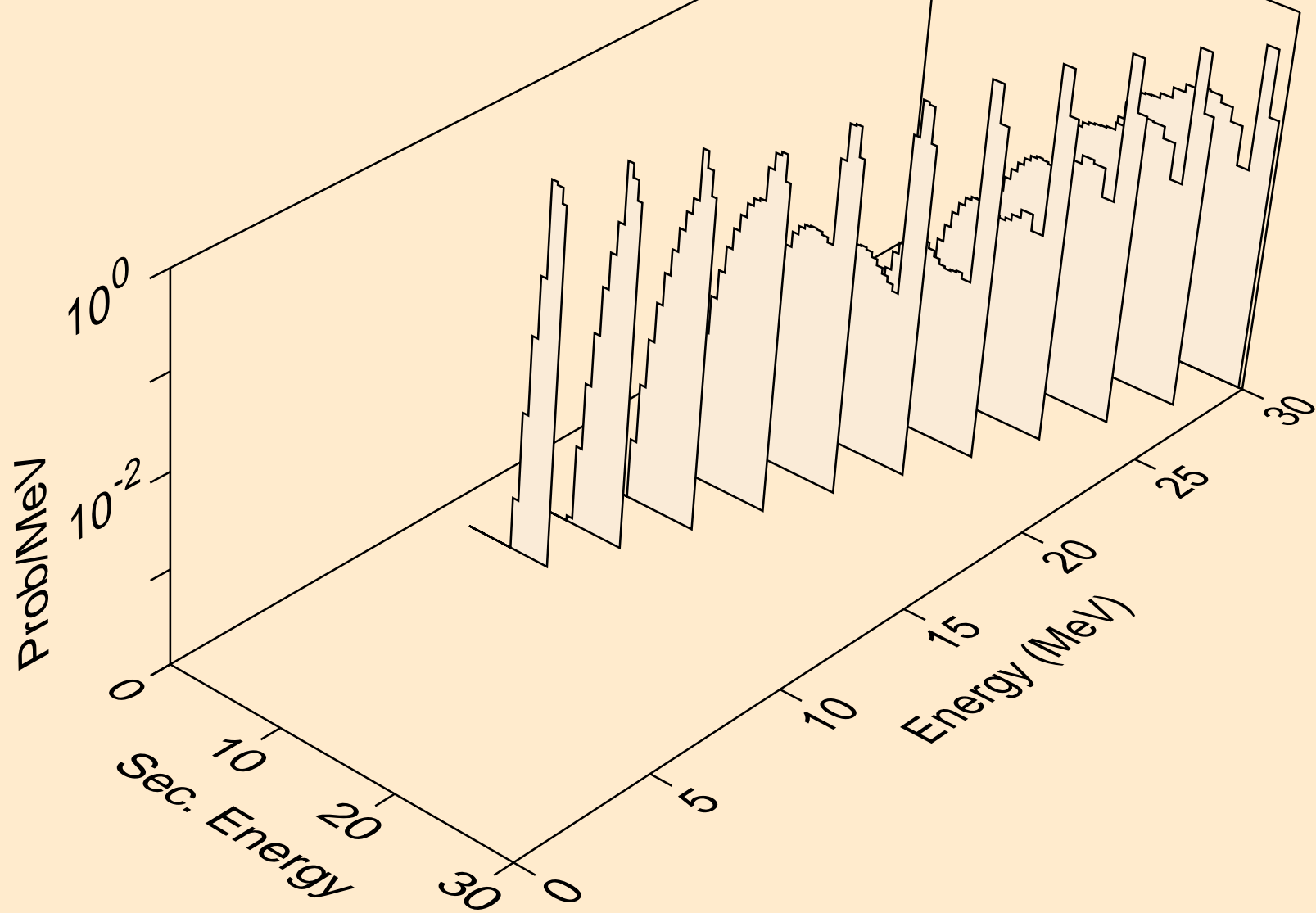
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for (a,2n)a



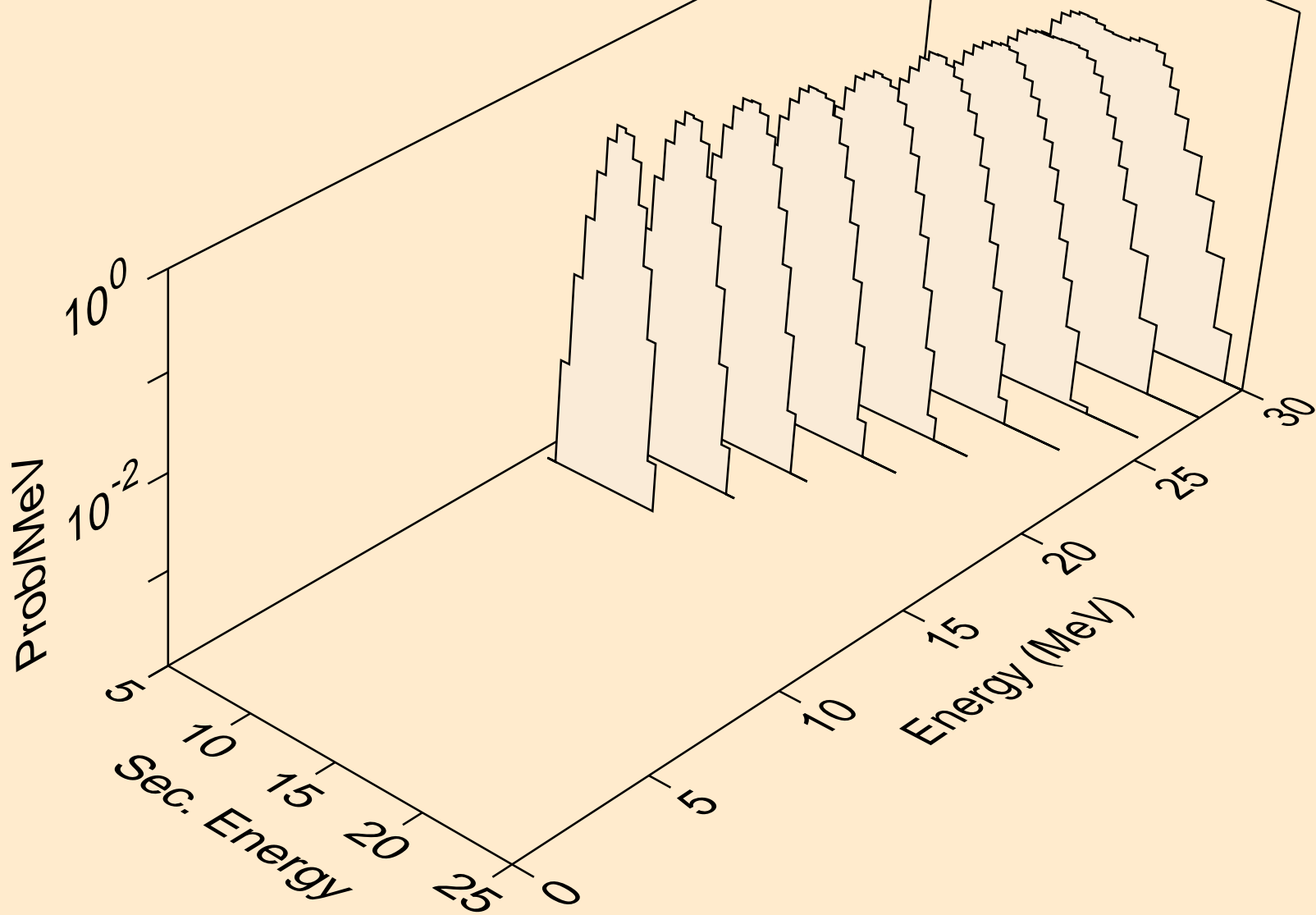
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for (a,n\*)2a



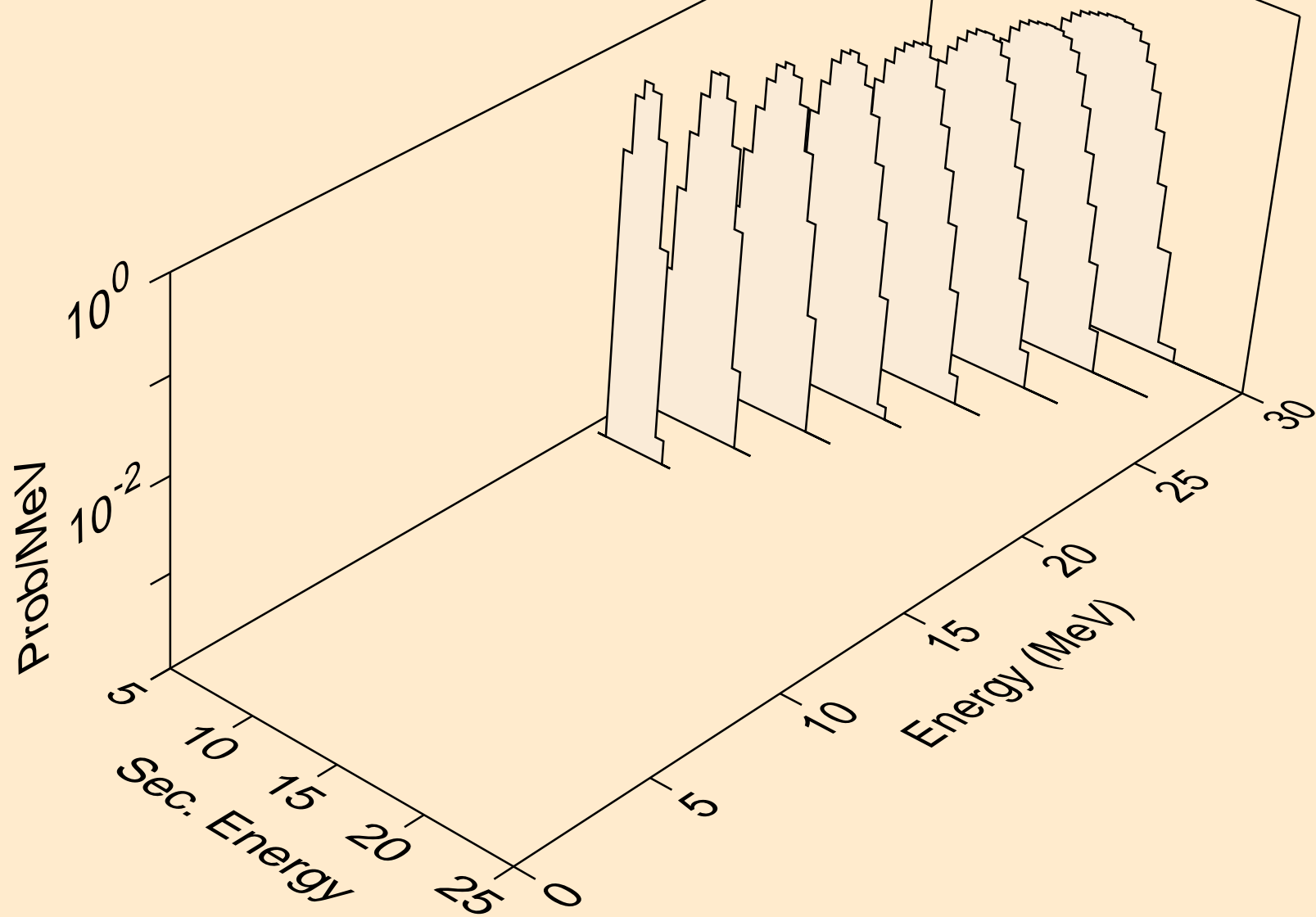
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for inelastic



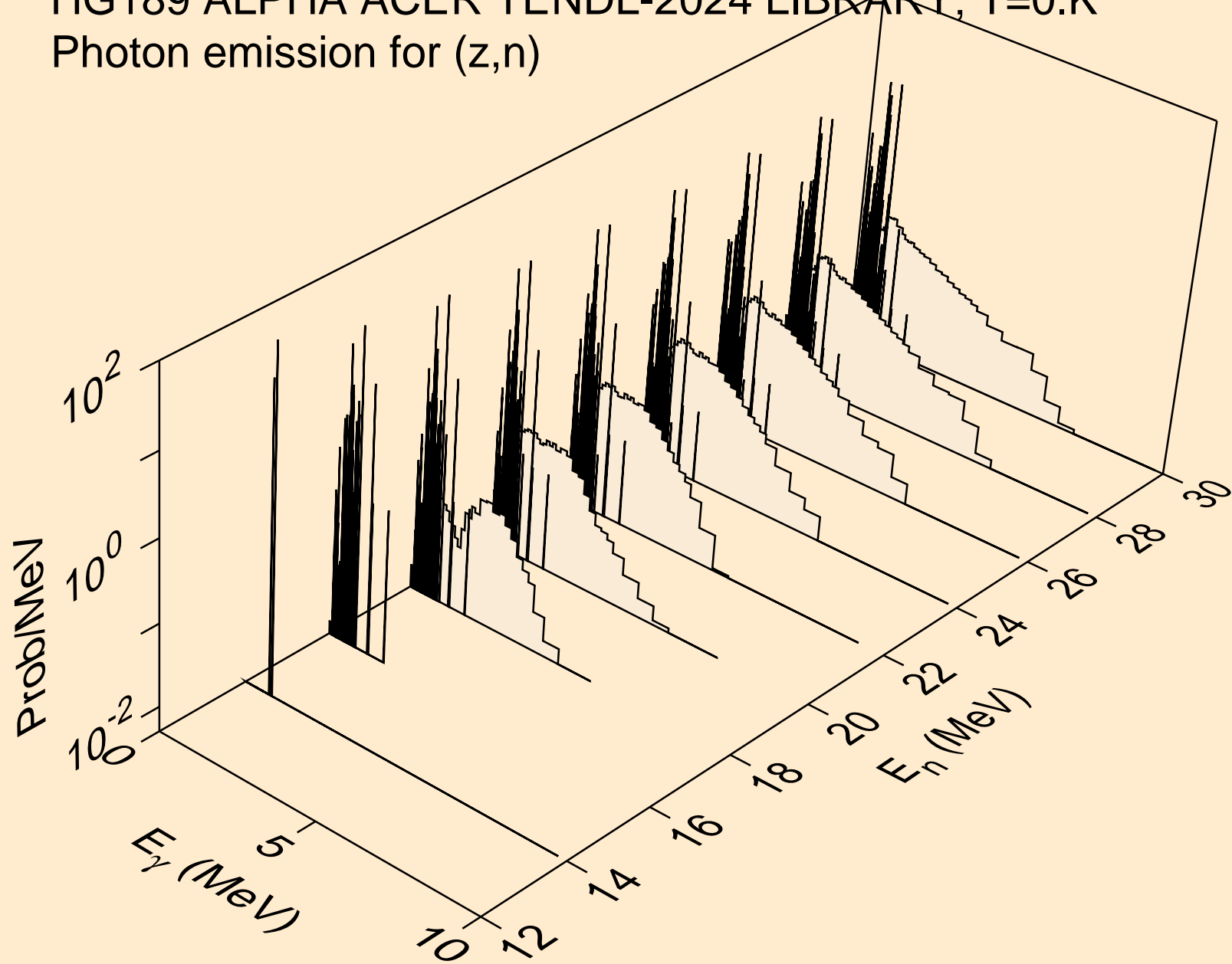
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for (a,2a)



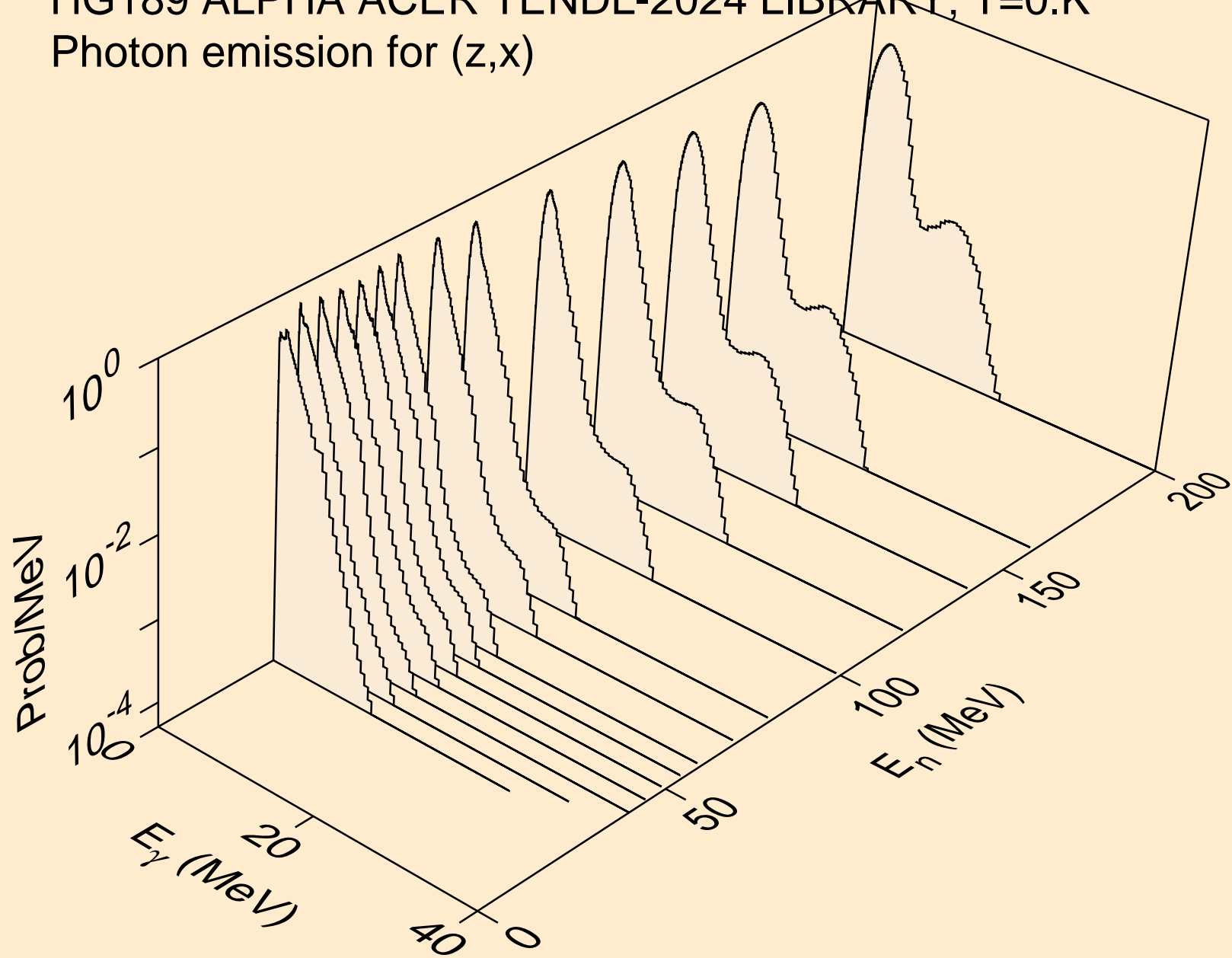
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for (a,pa)



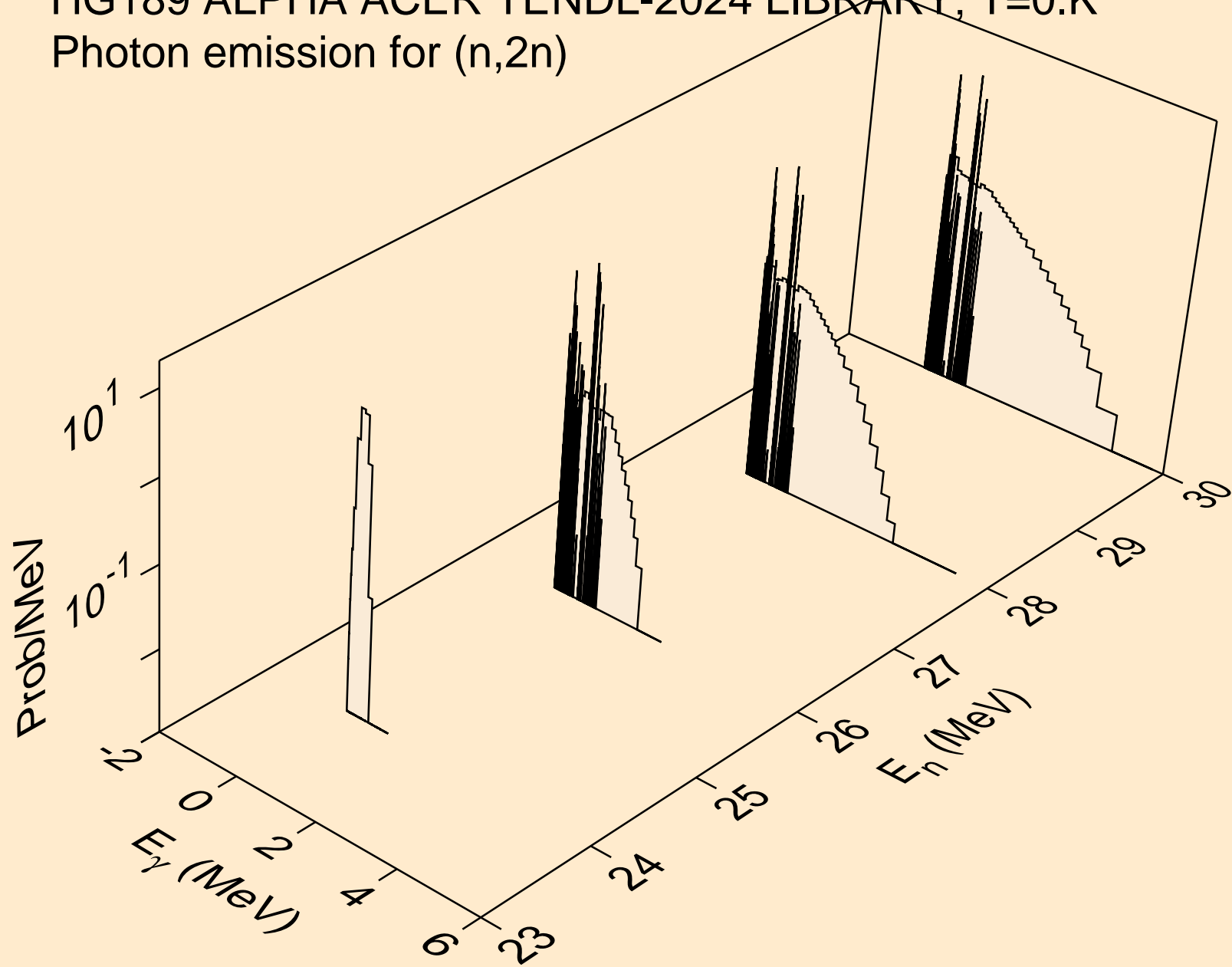
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,n)



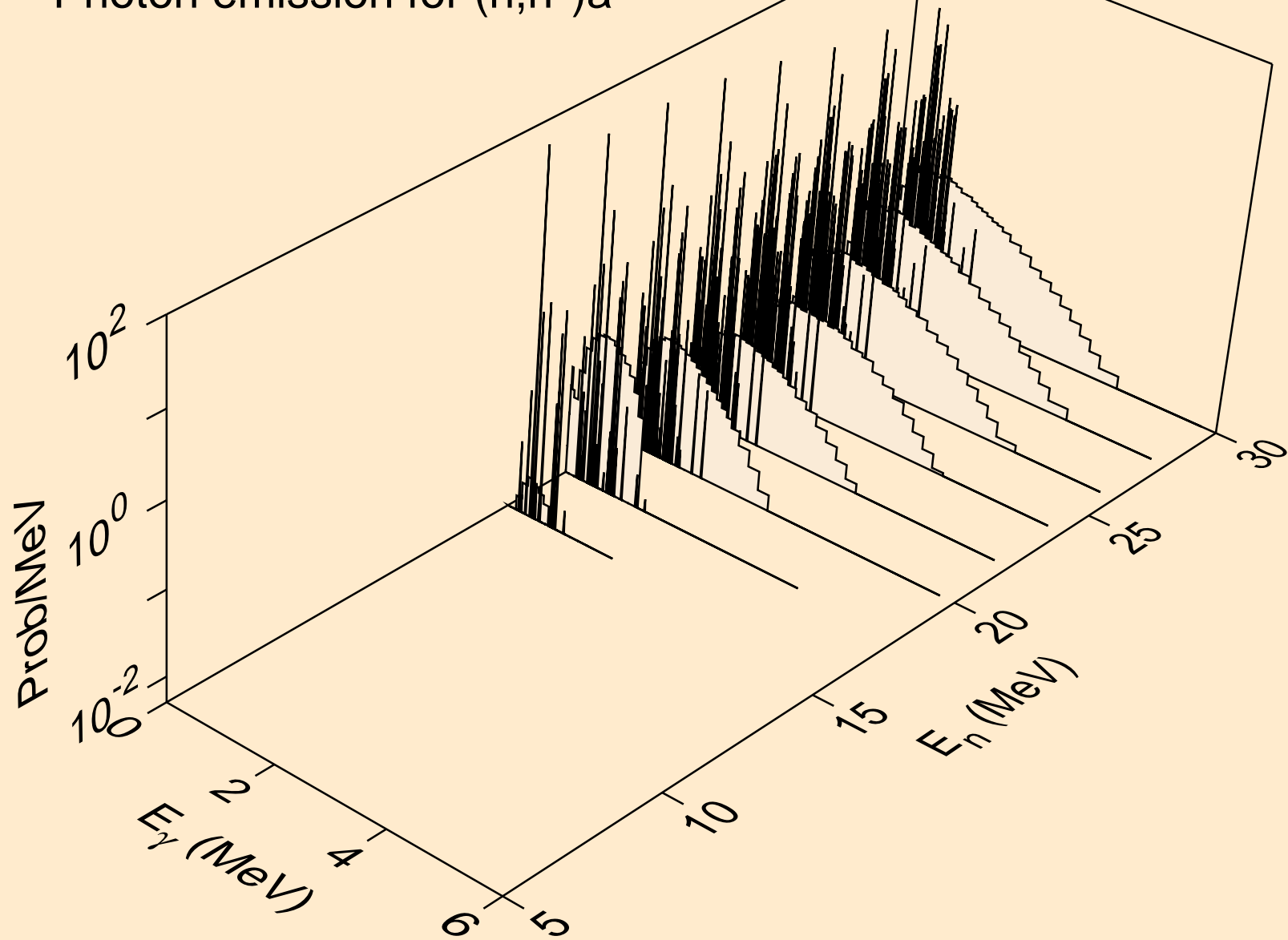
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,x)



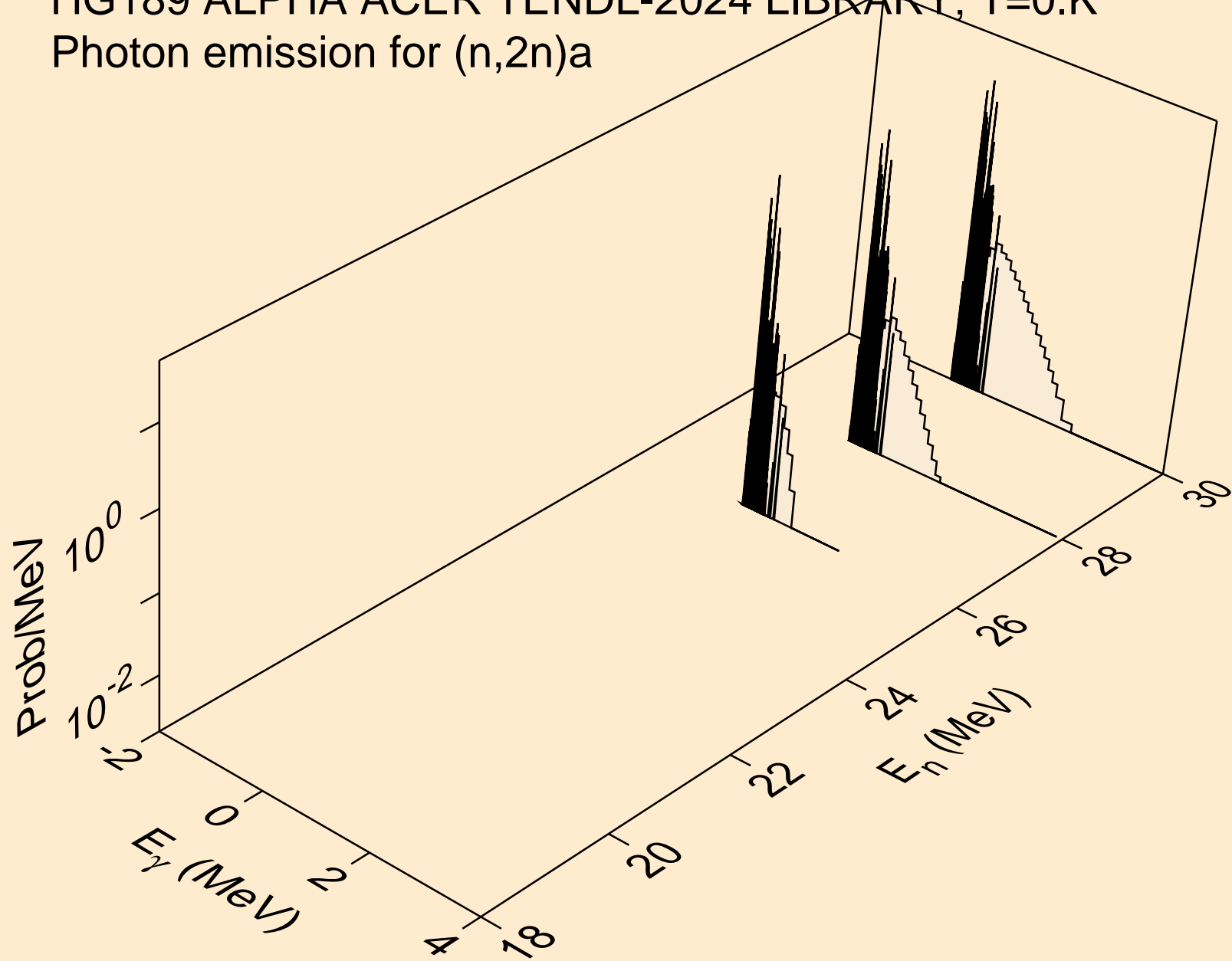
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



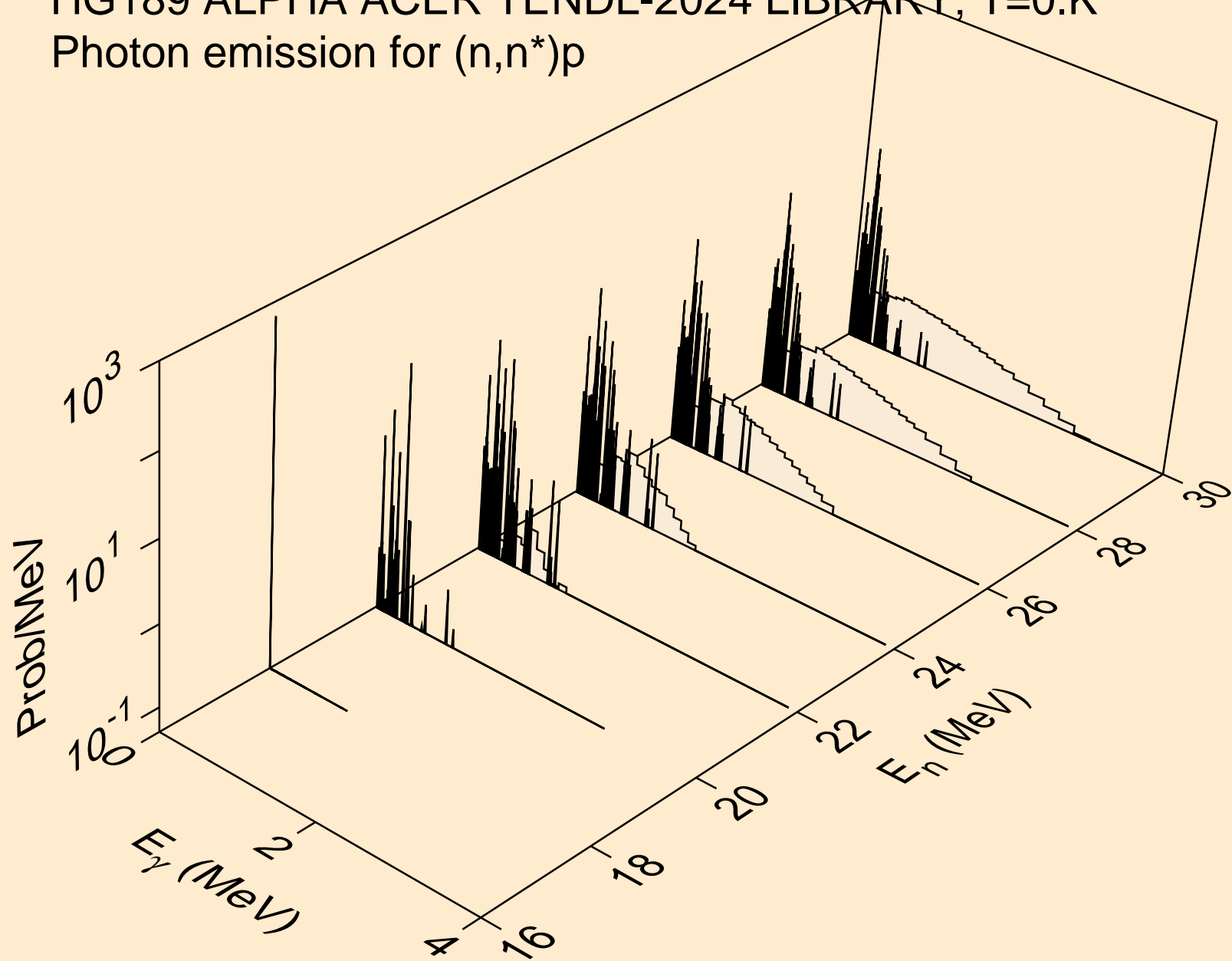
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



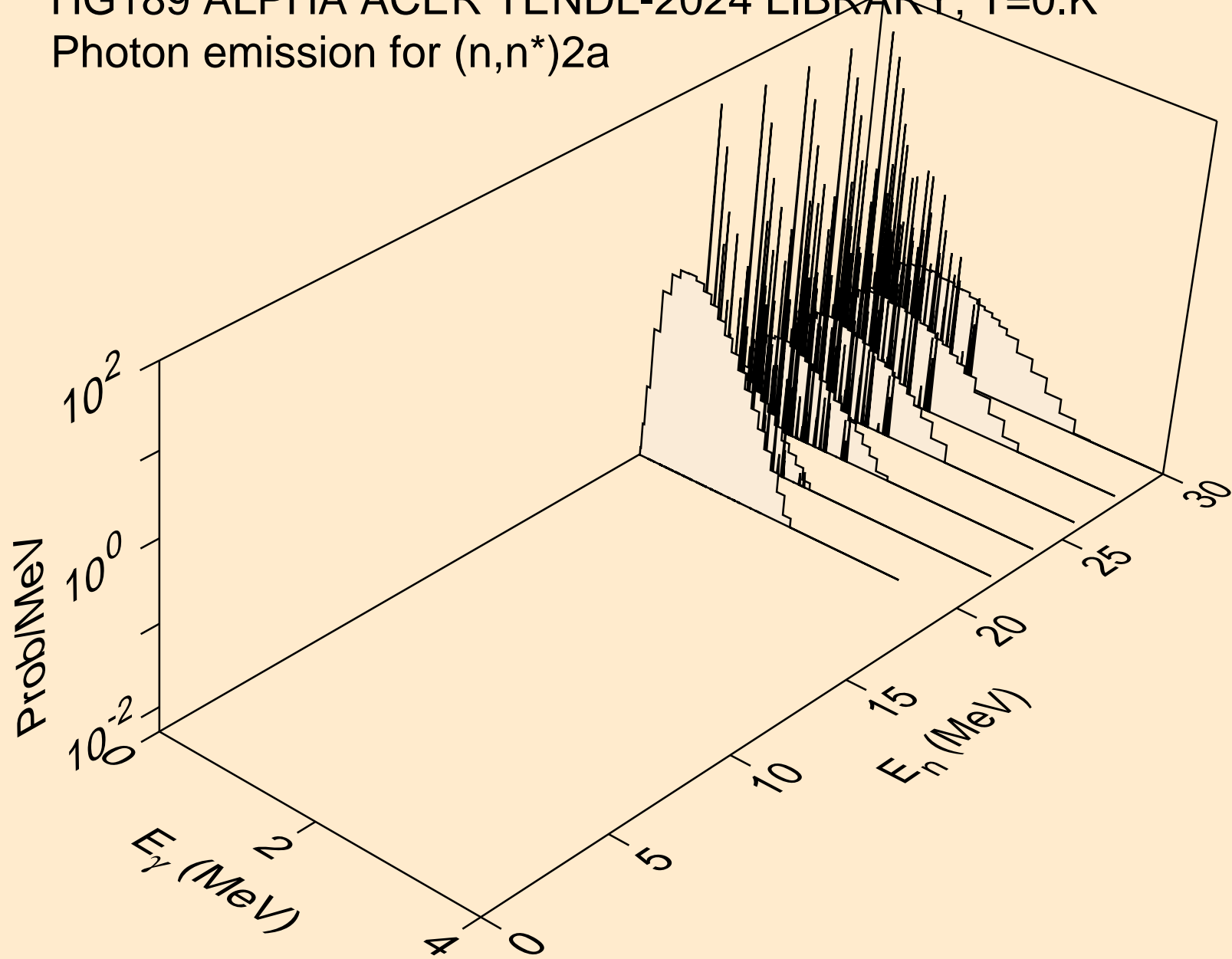
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



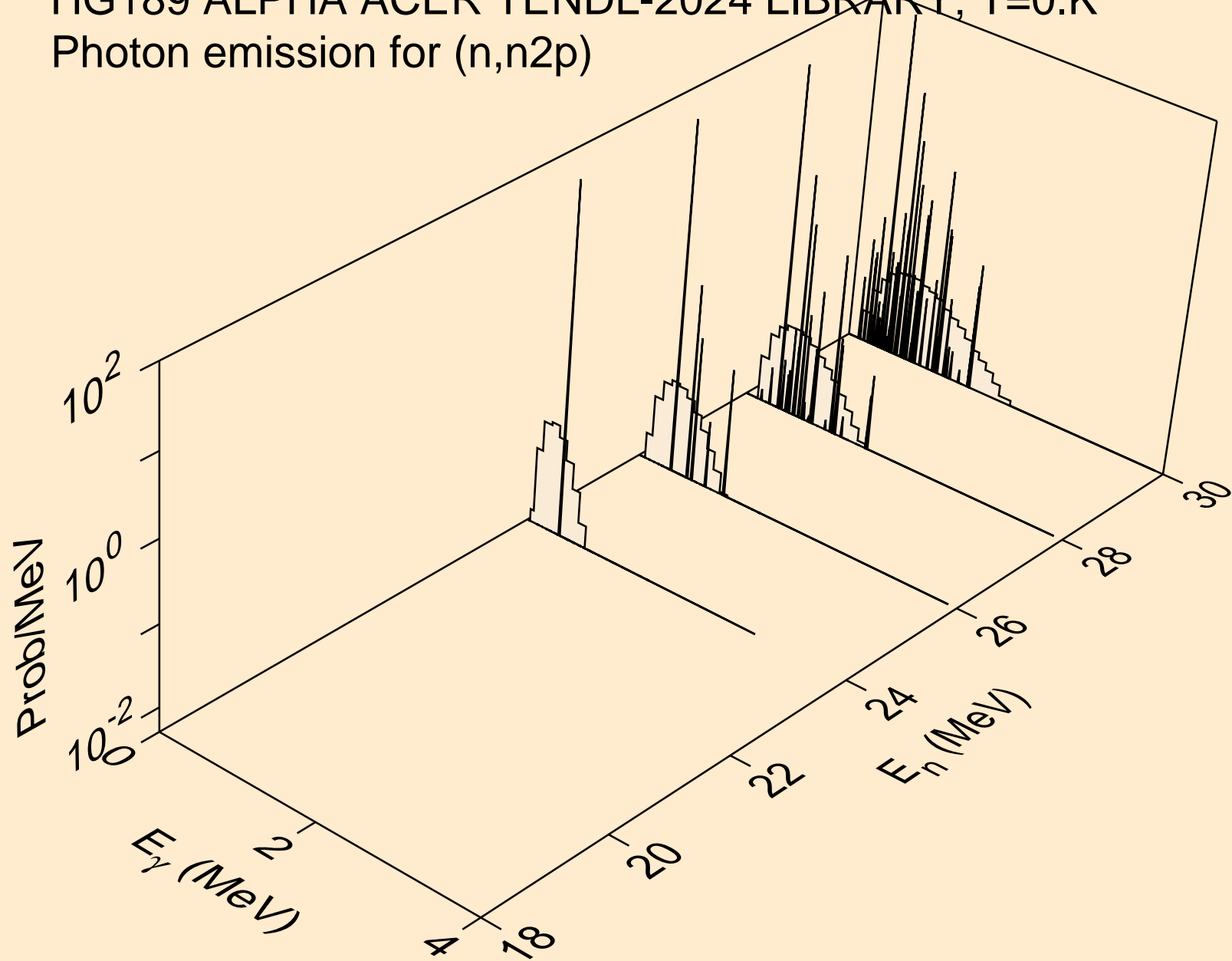
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



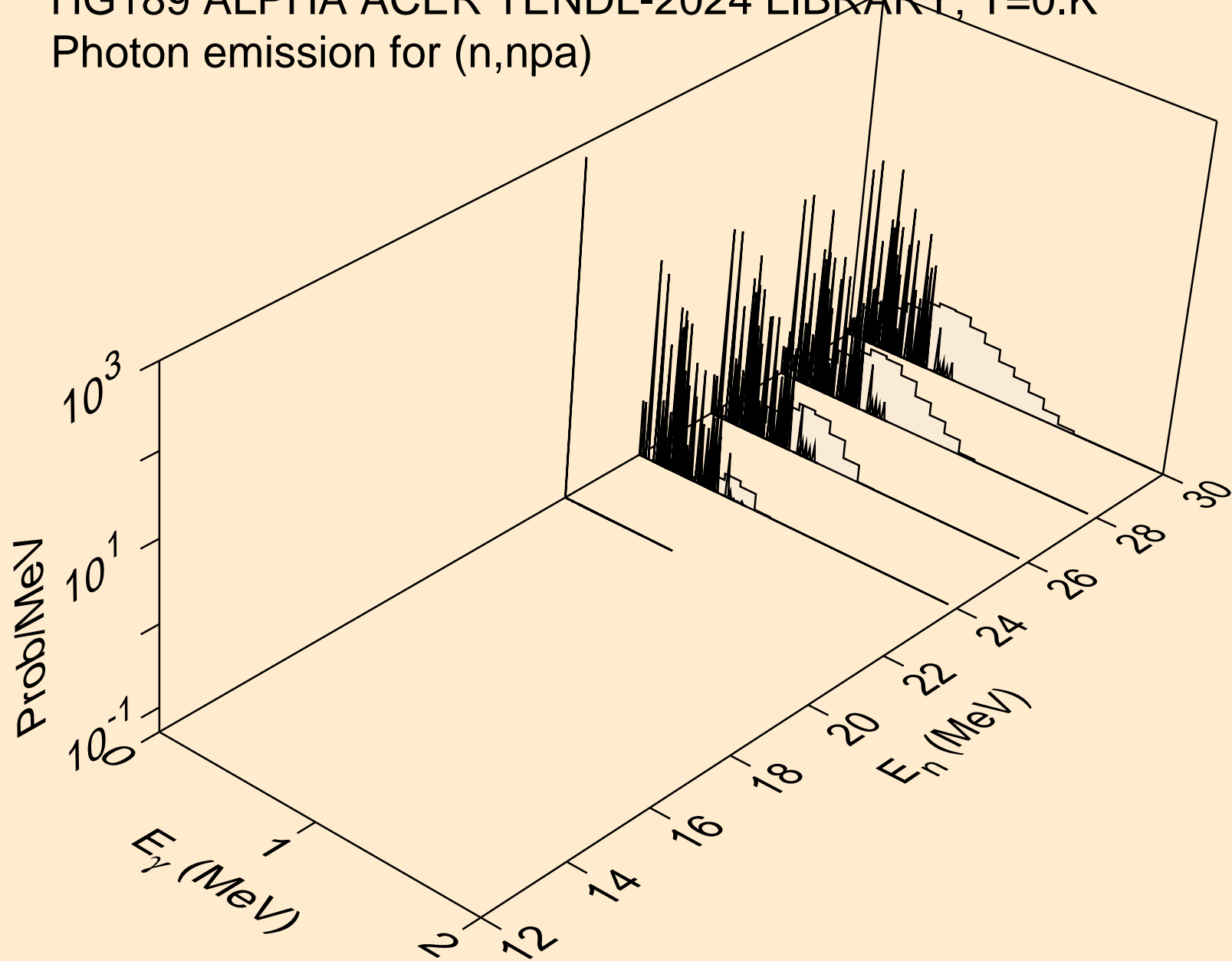
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



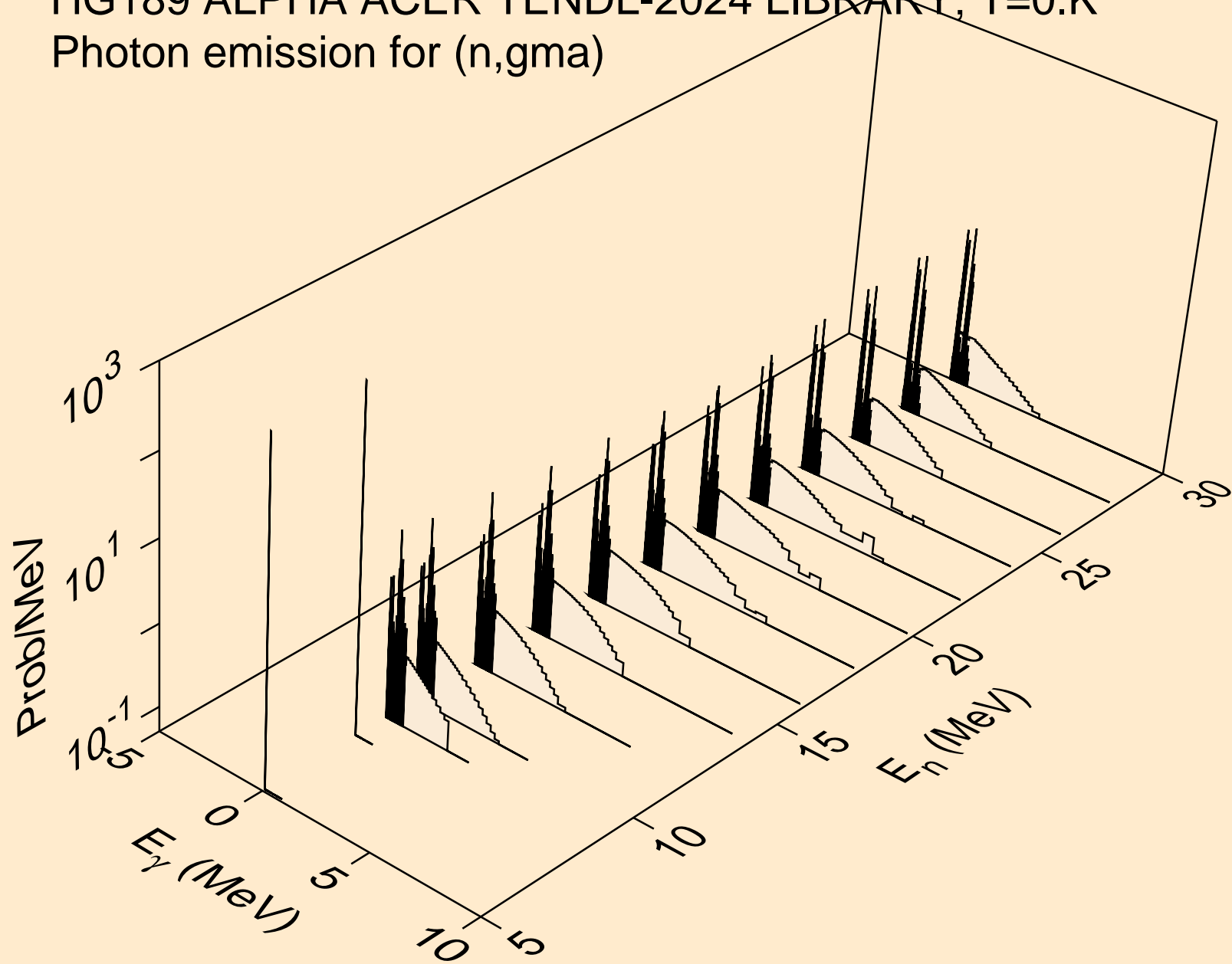
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



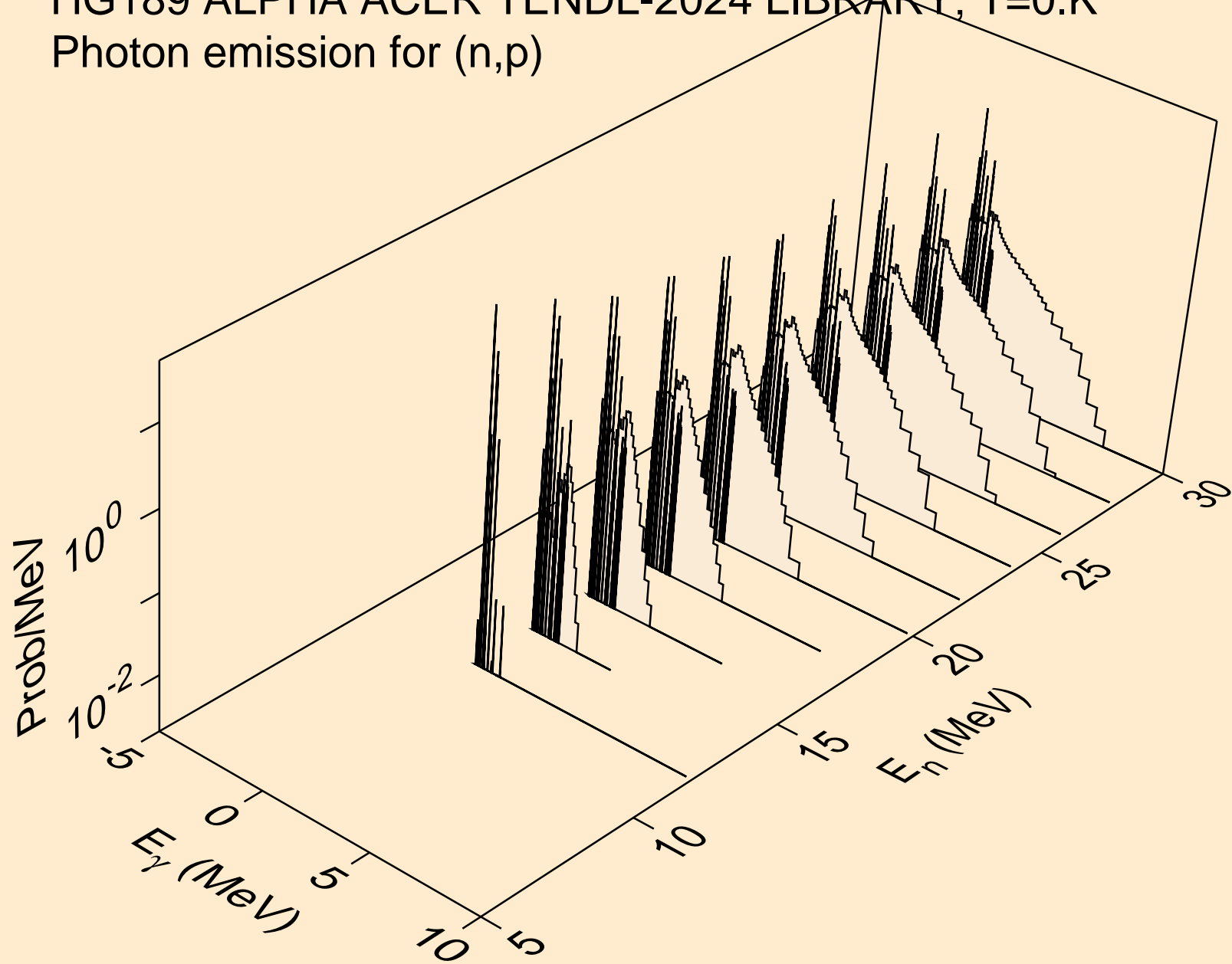
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



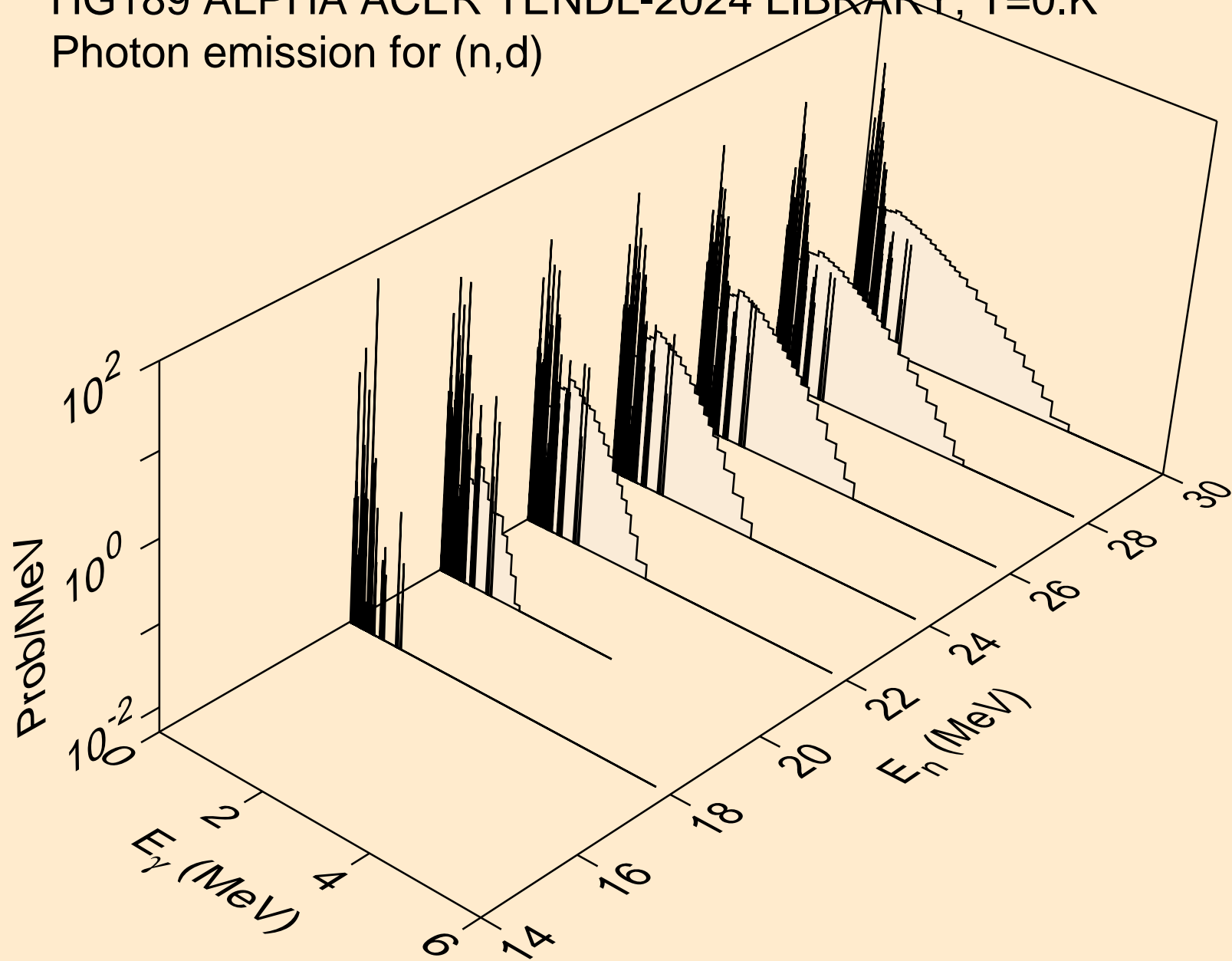
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



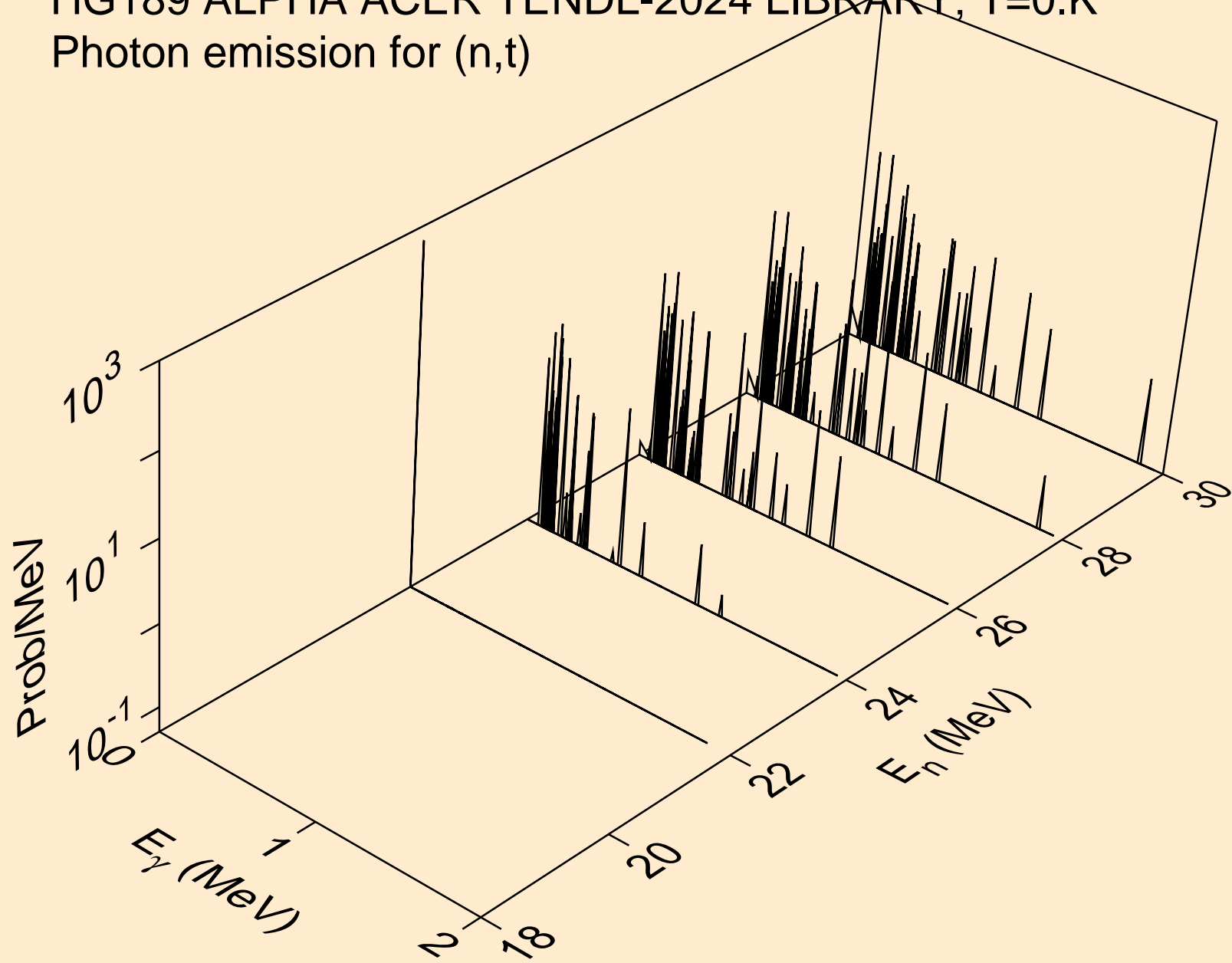
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



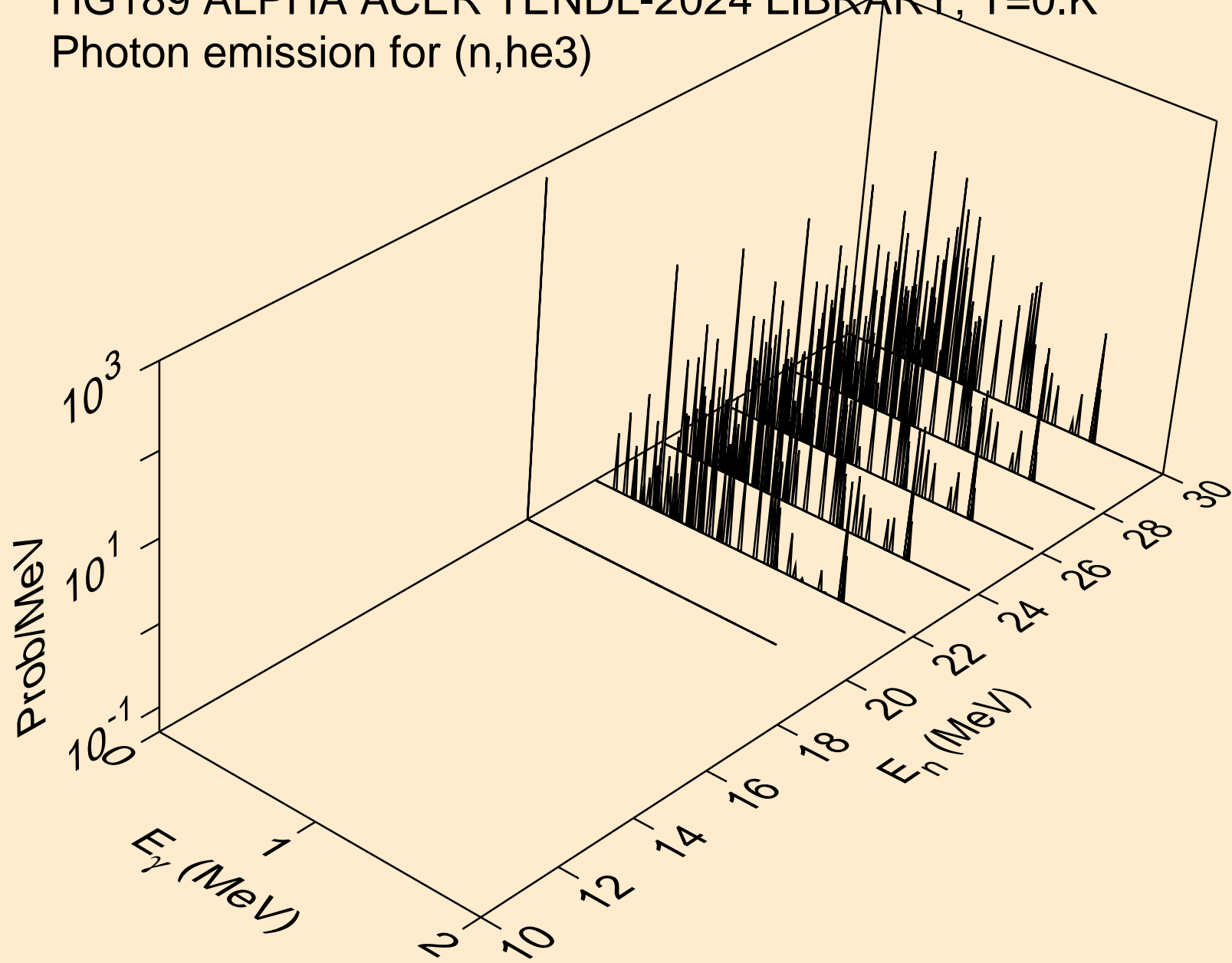
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



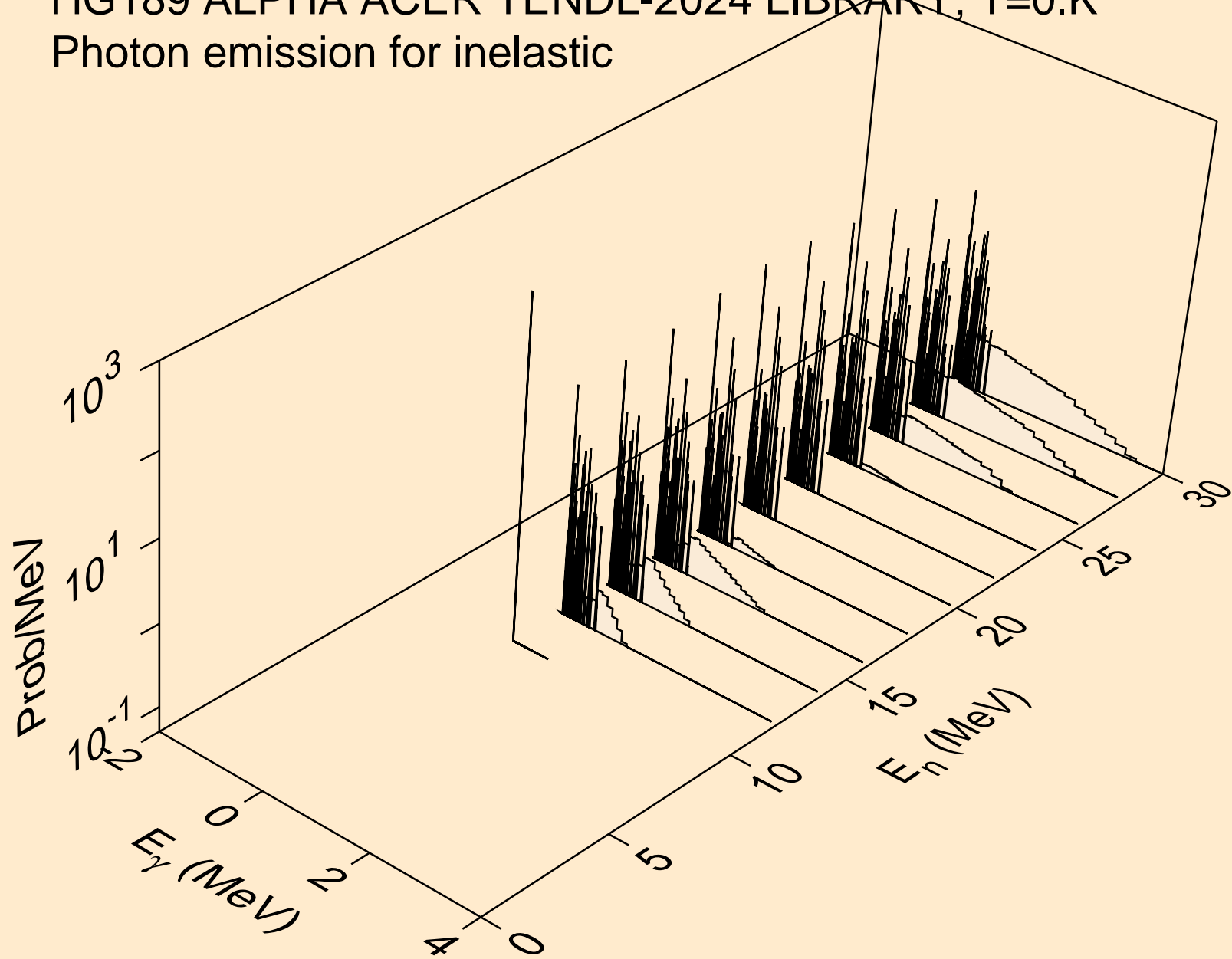
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



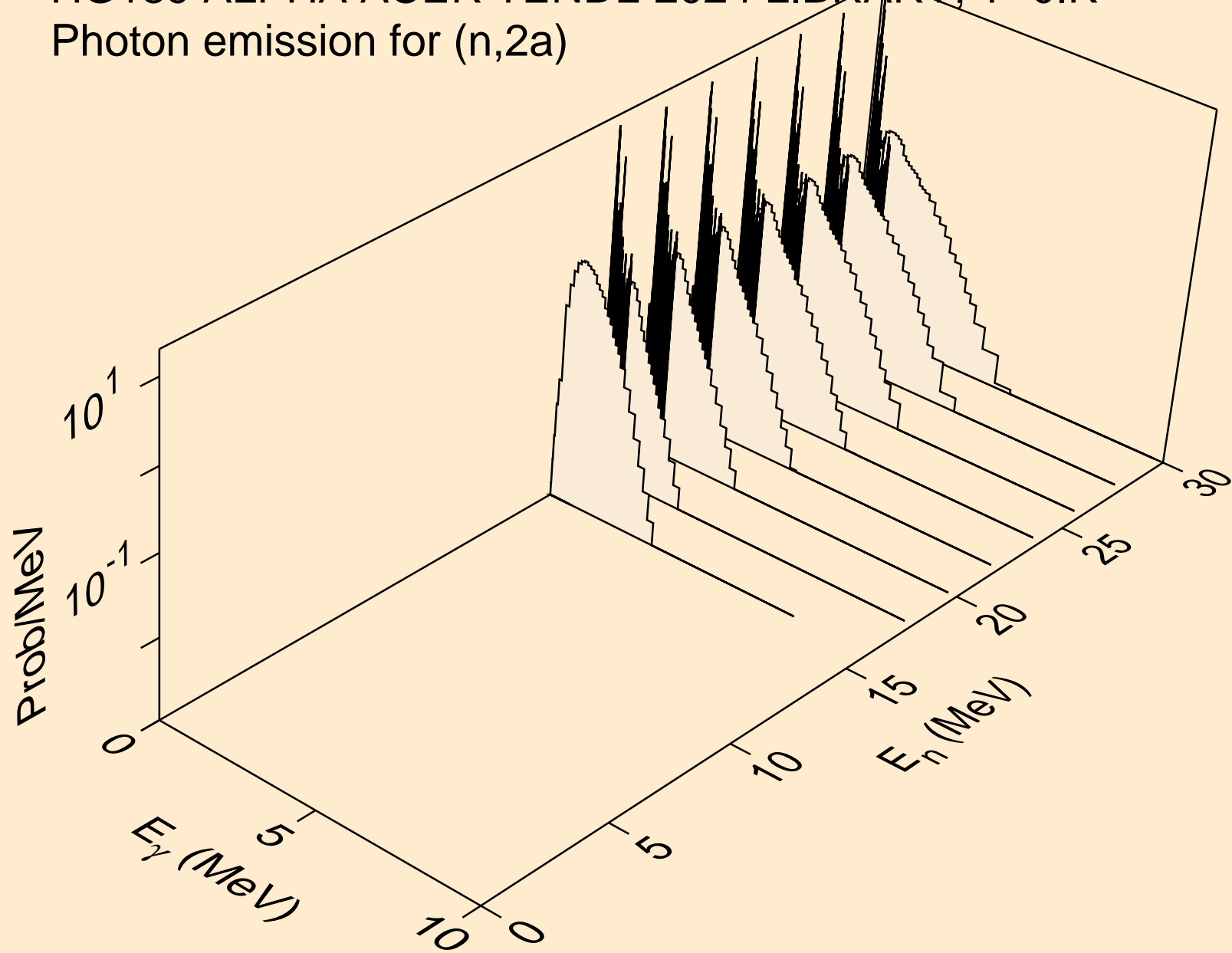
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



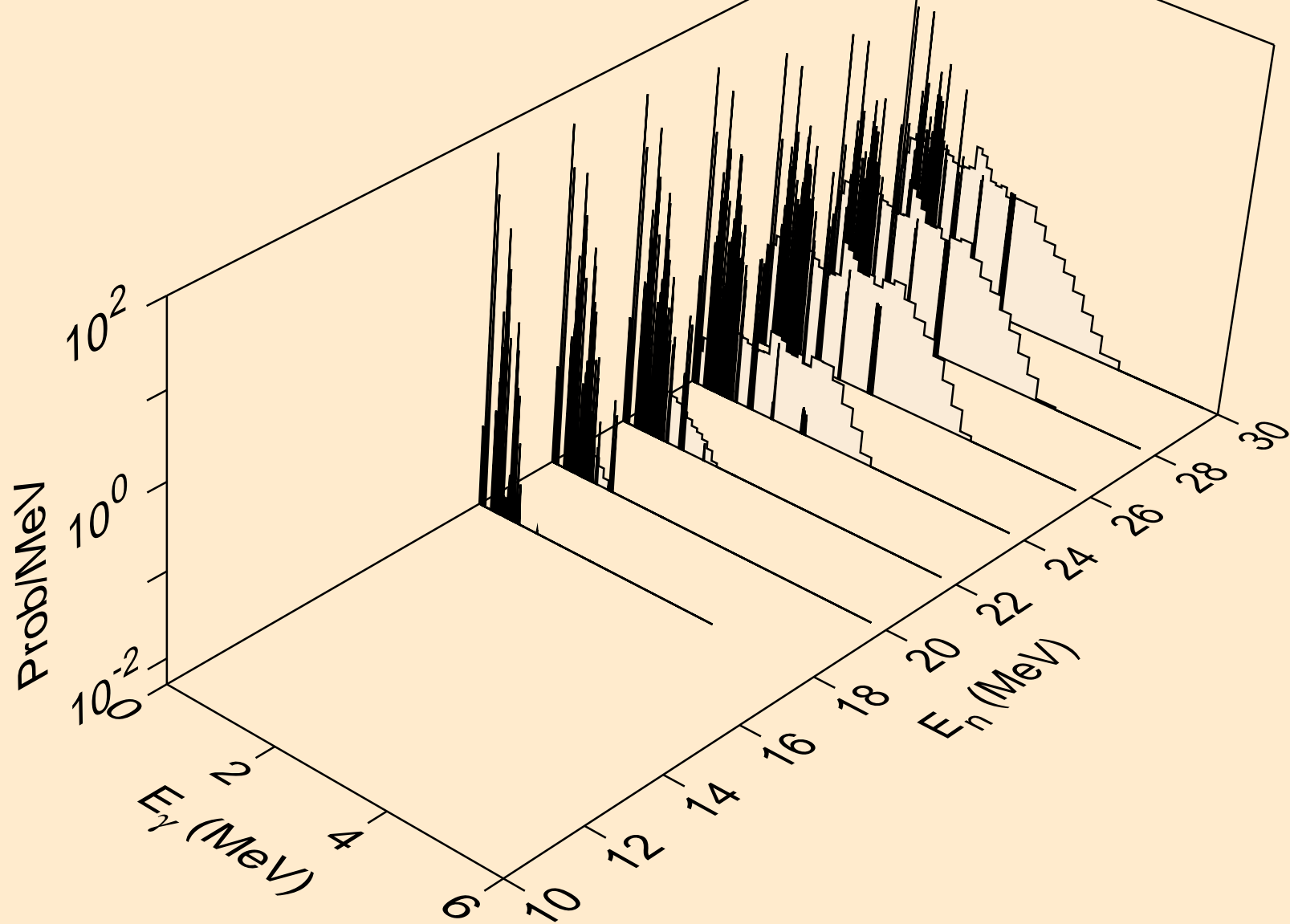
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for inelastic



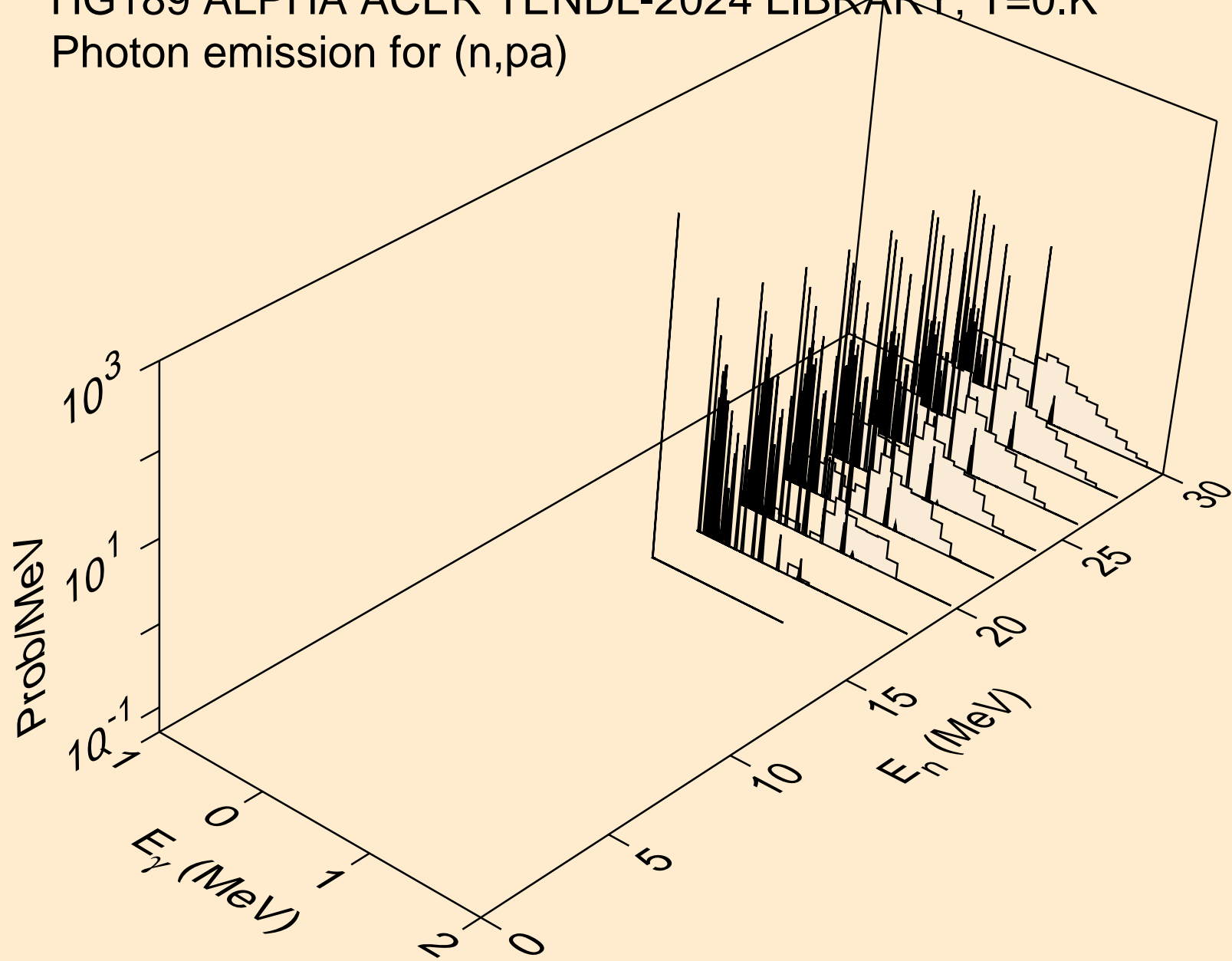
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



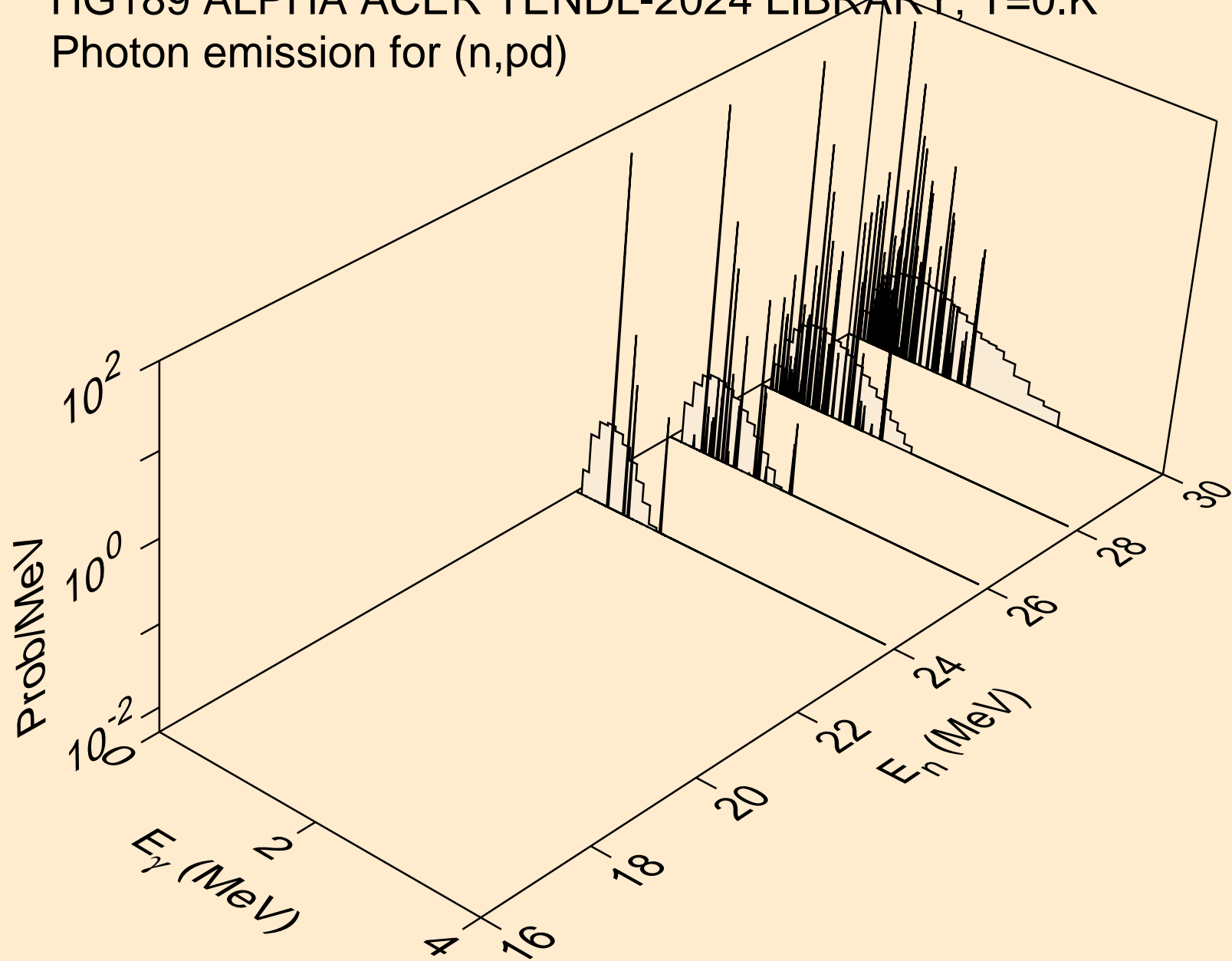
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pa)

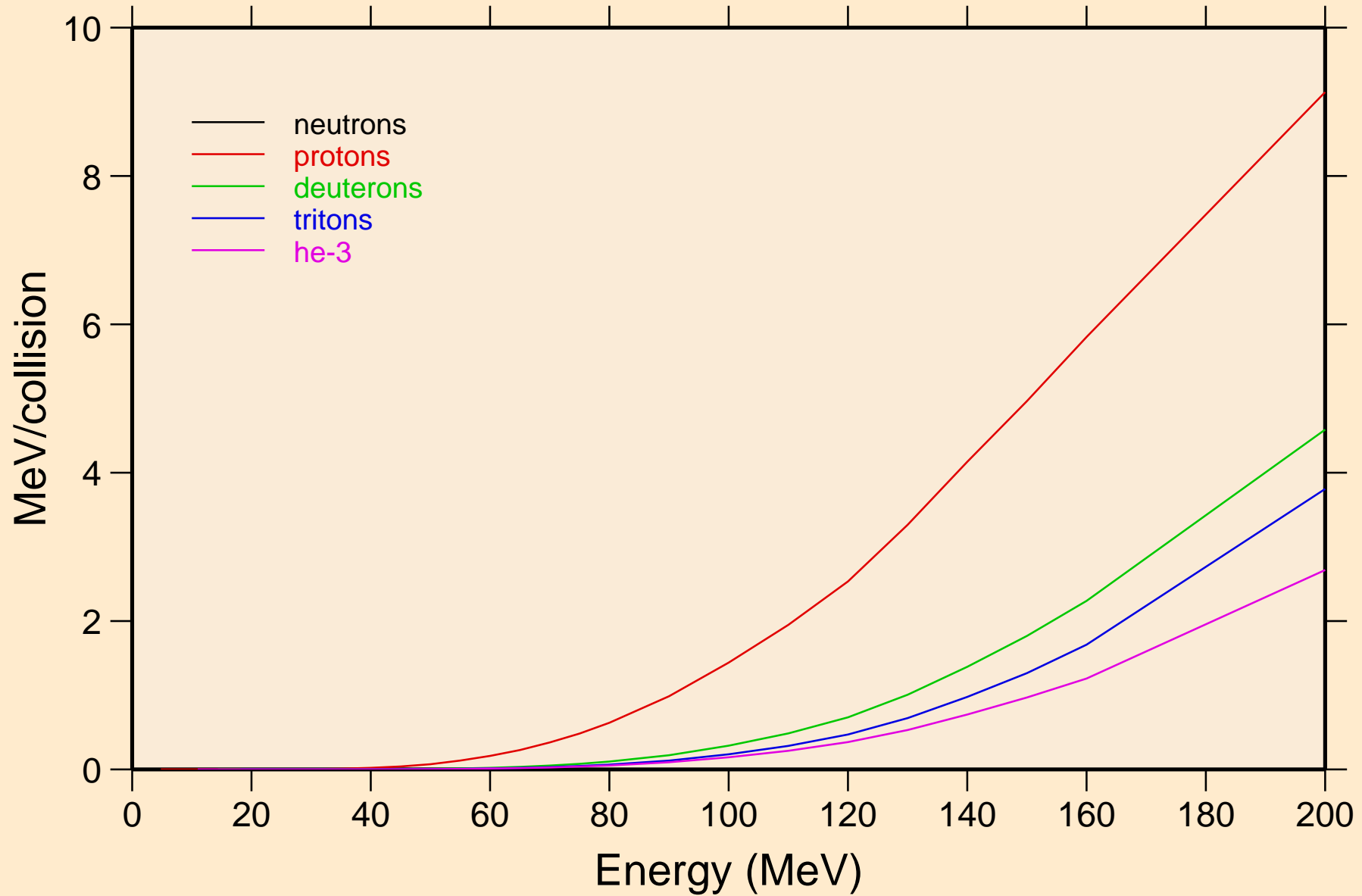


HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)

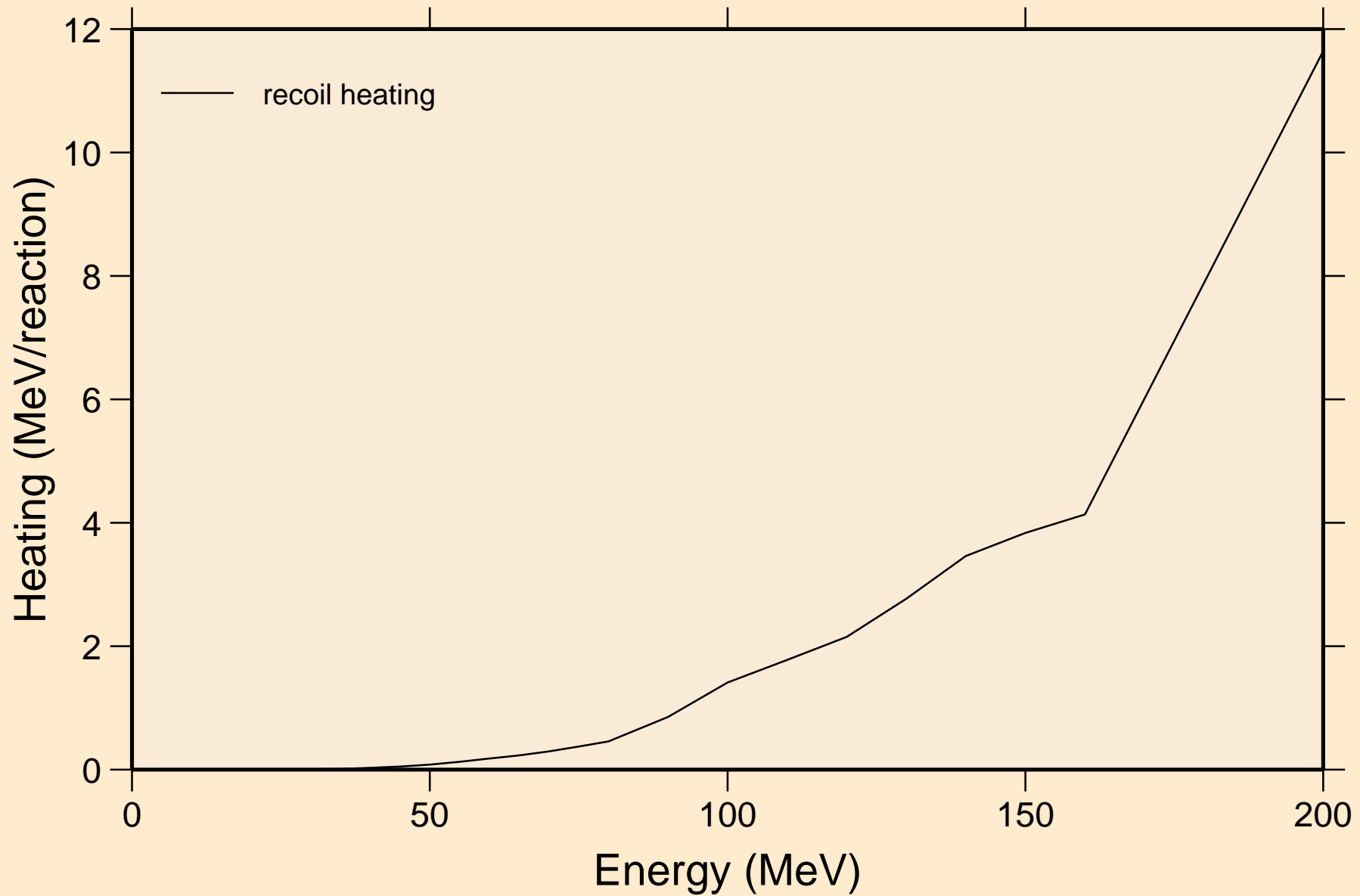


# HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

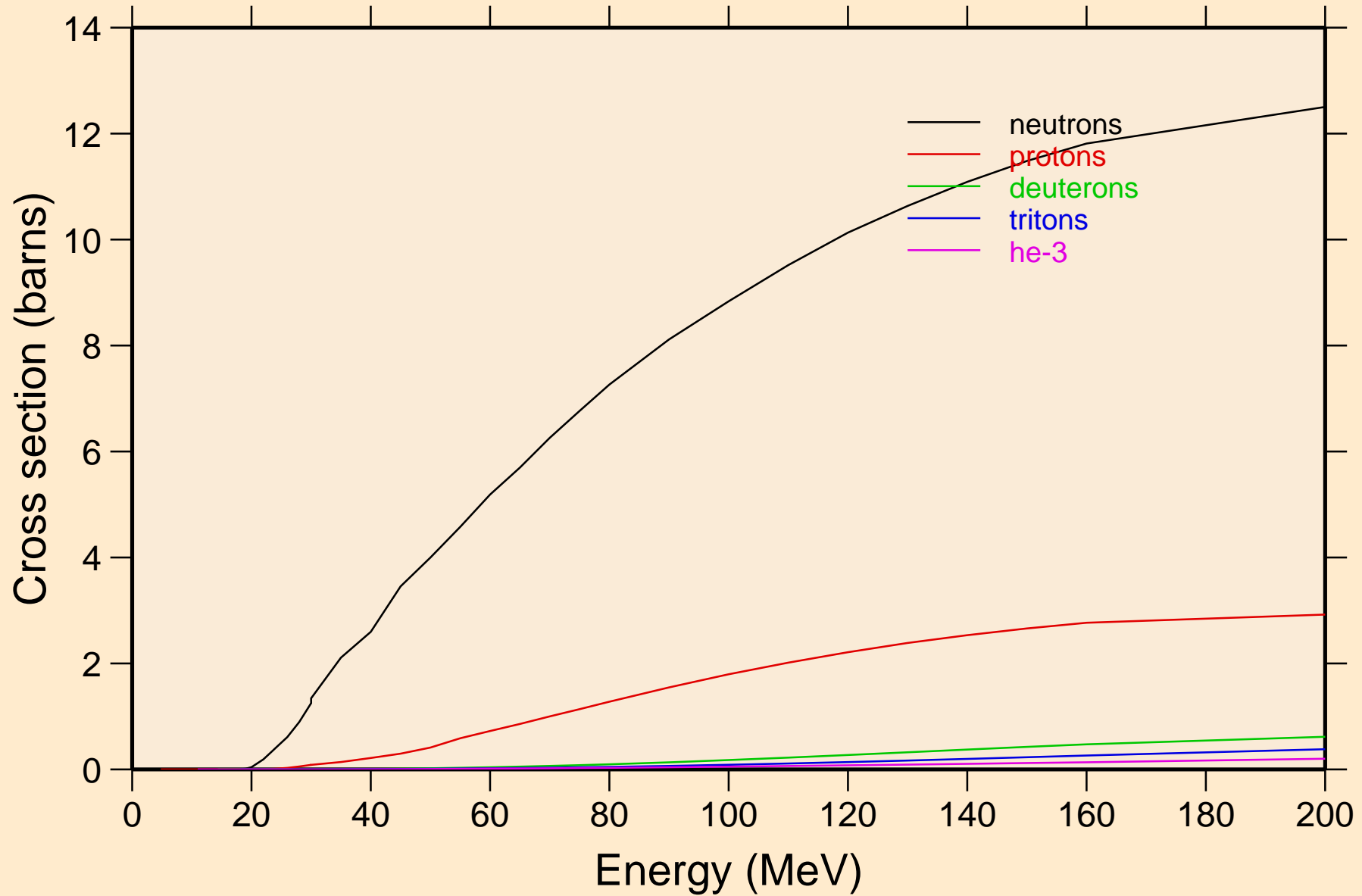
## Particle heating contributions



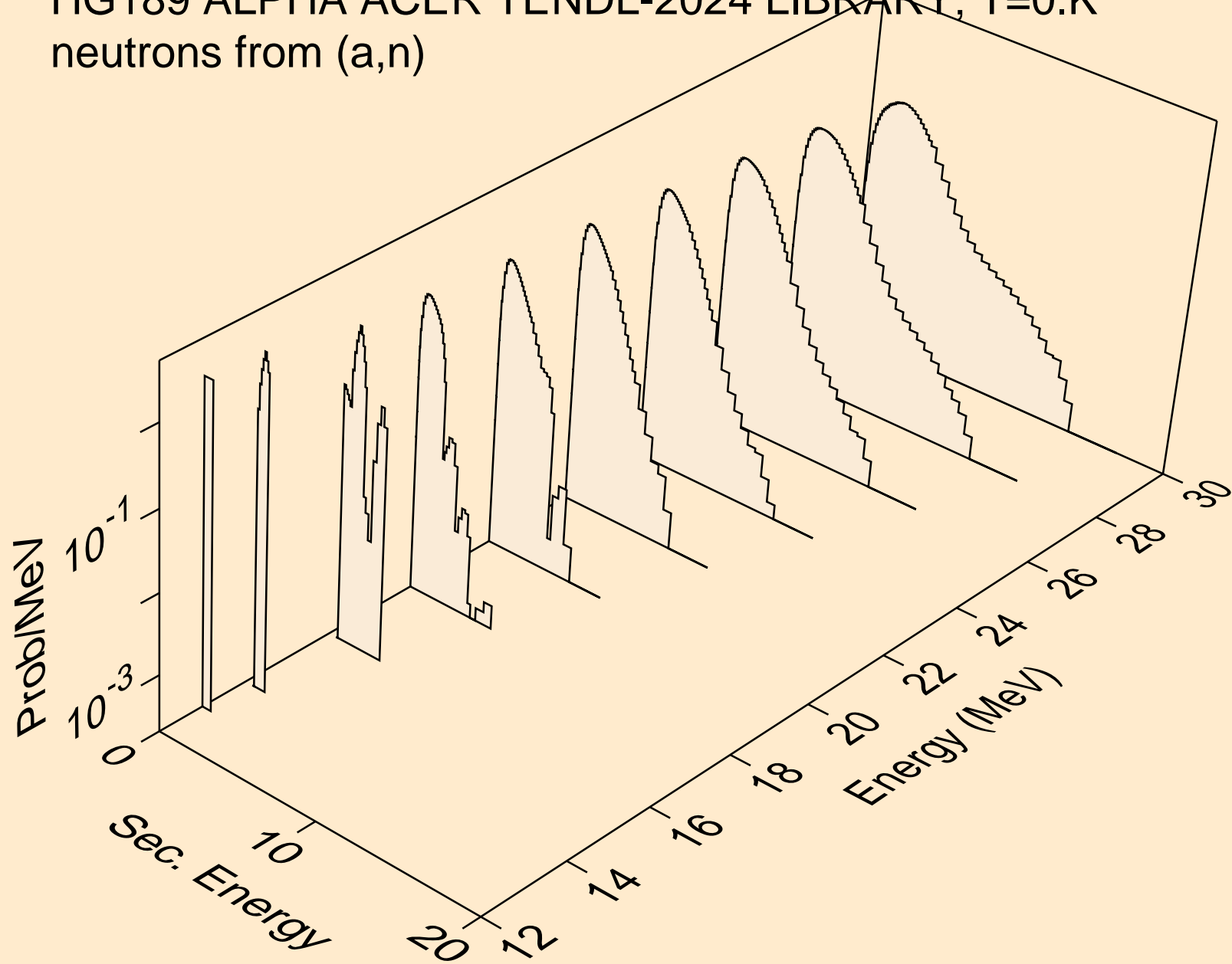
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating



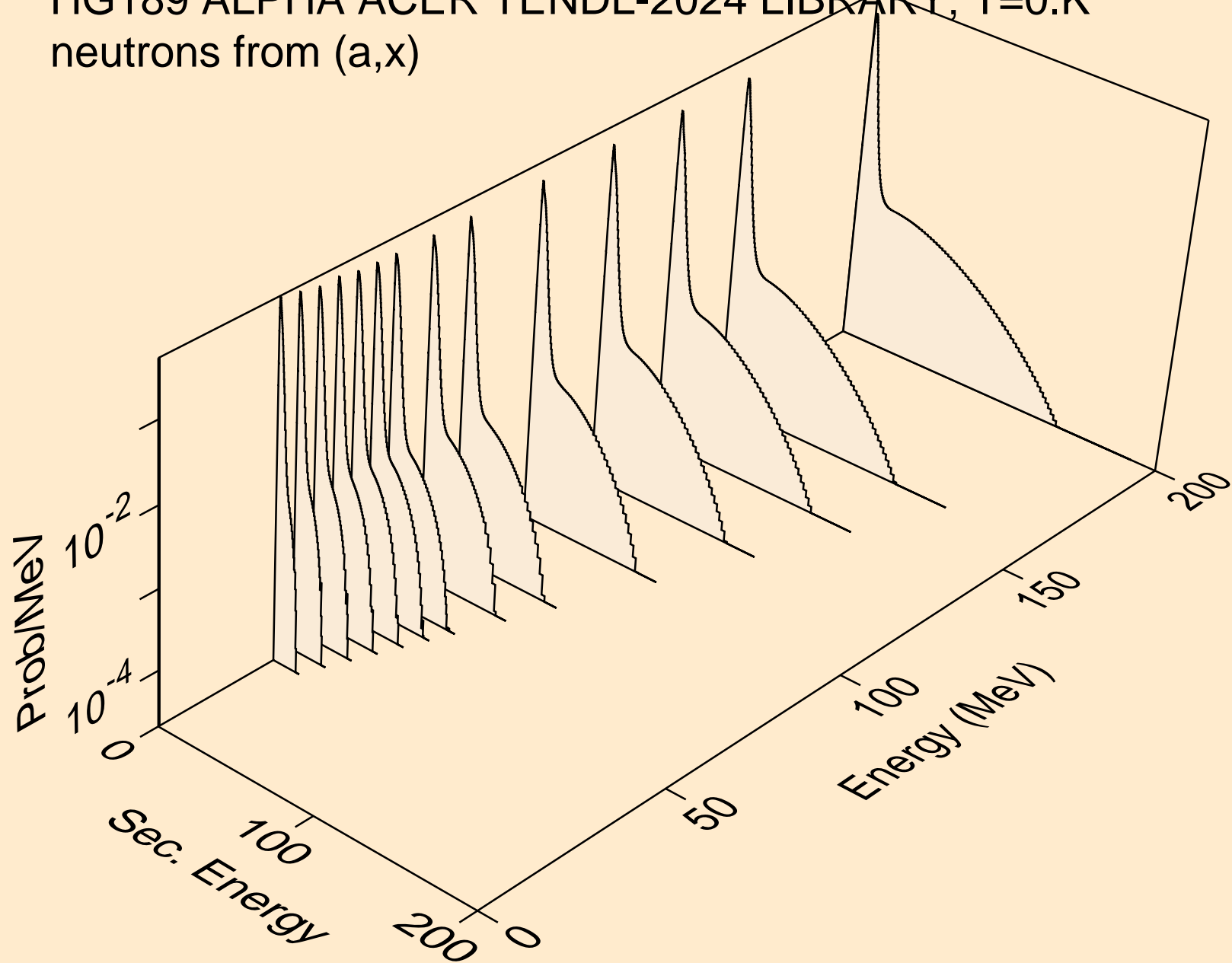
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections



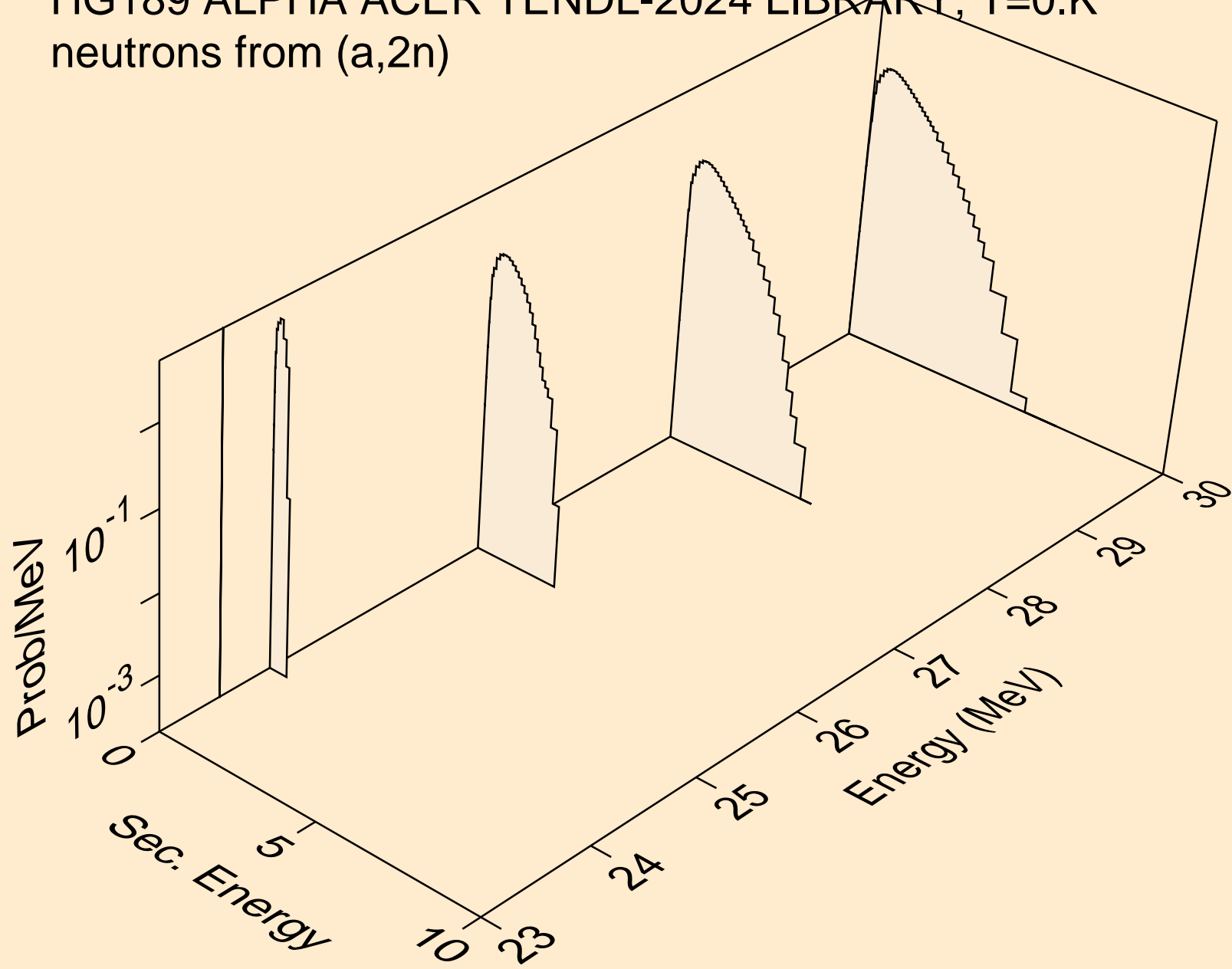
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n)



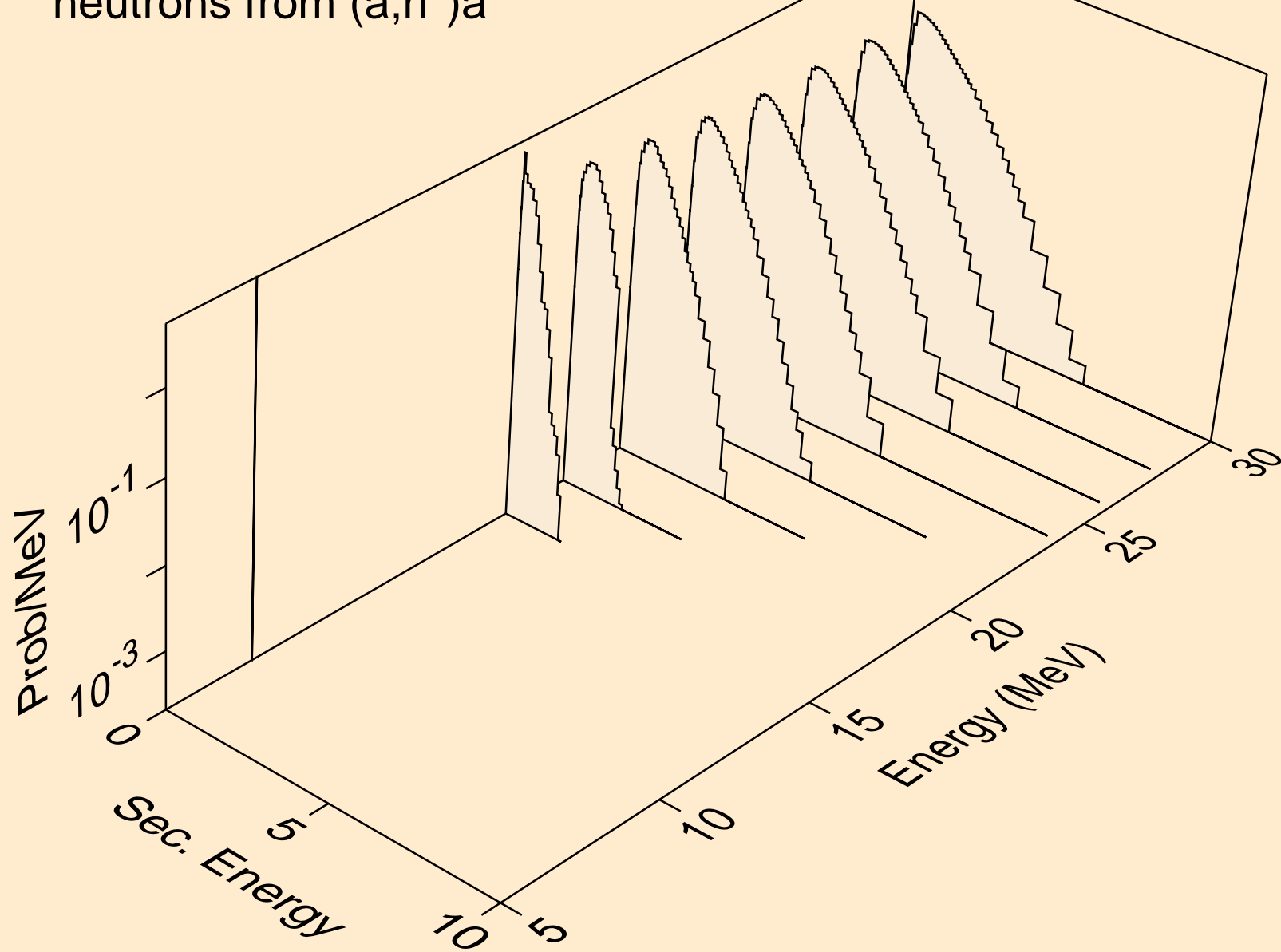
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,x)



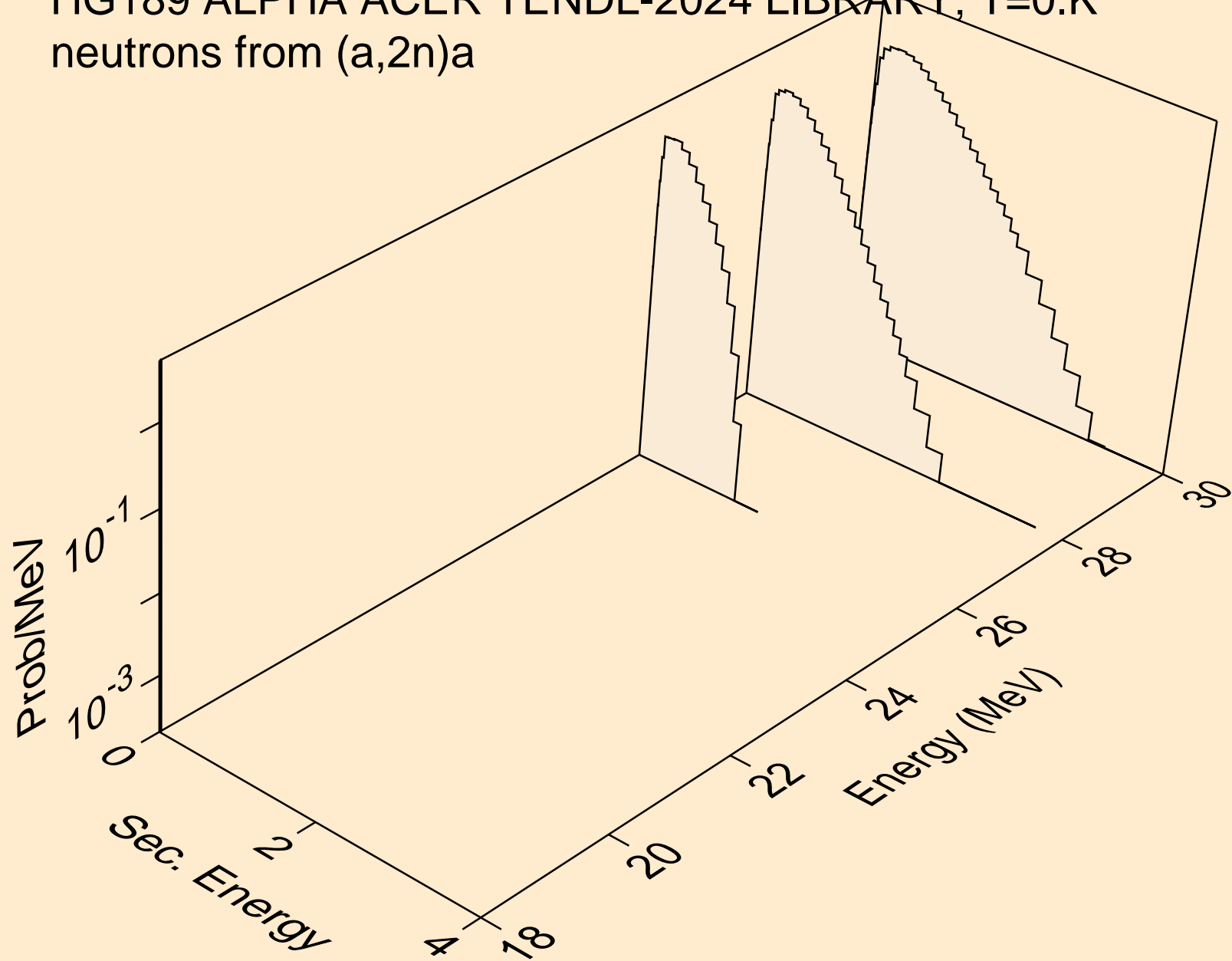
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,2n)



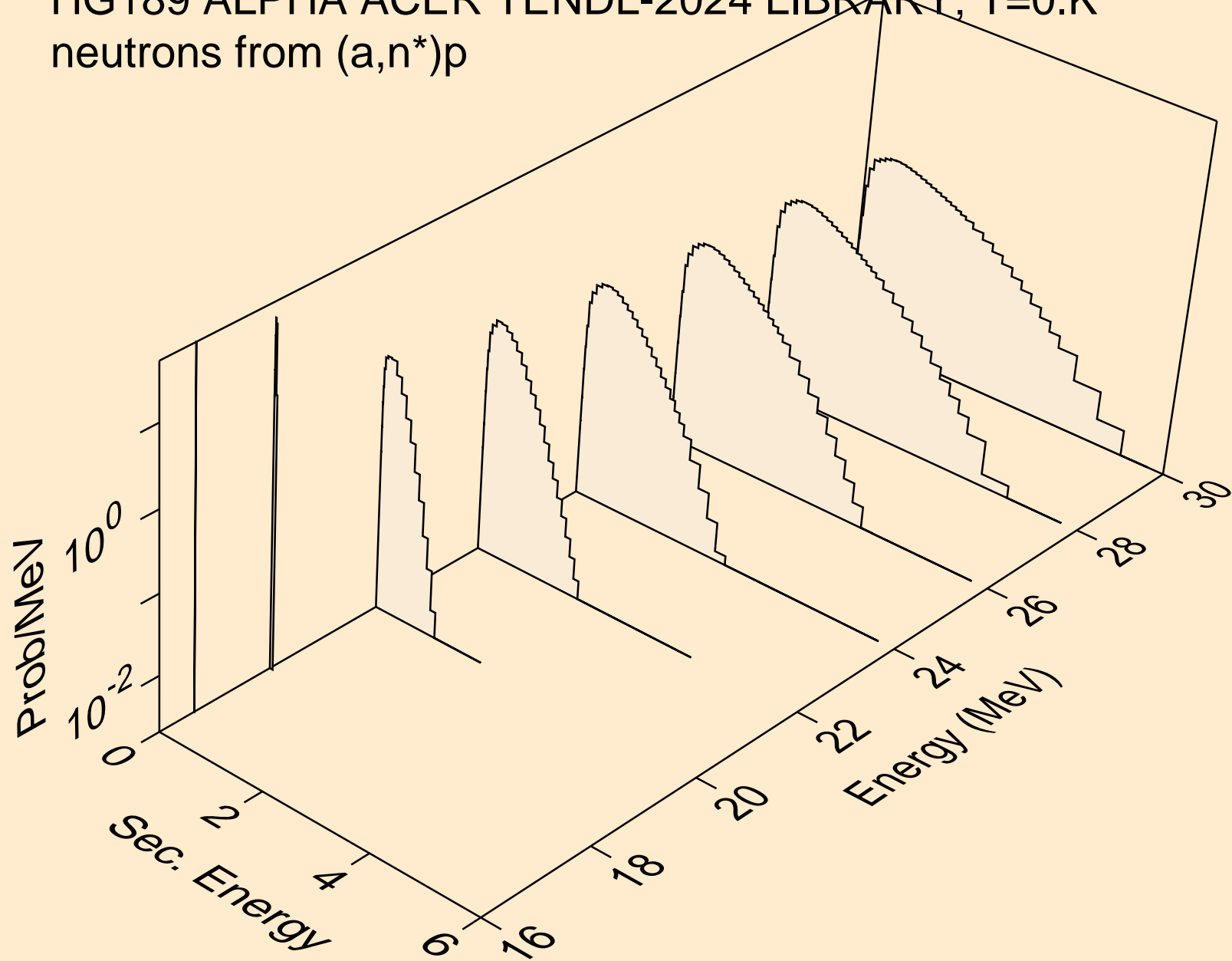
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n\*)a



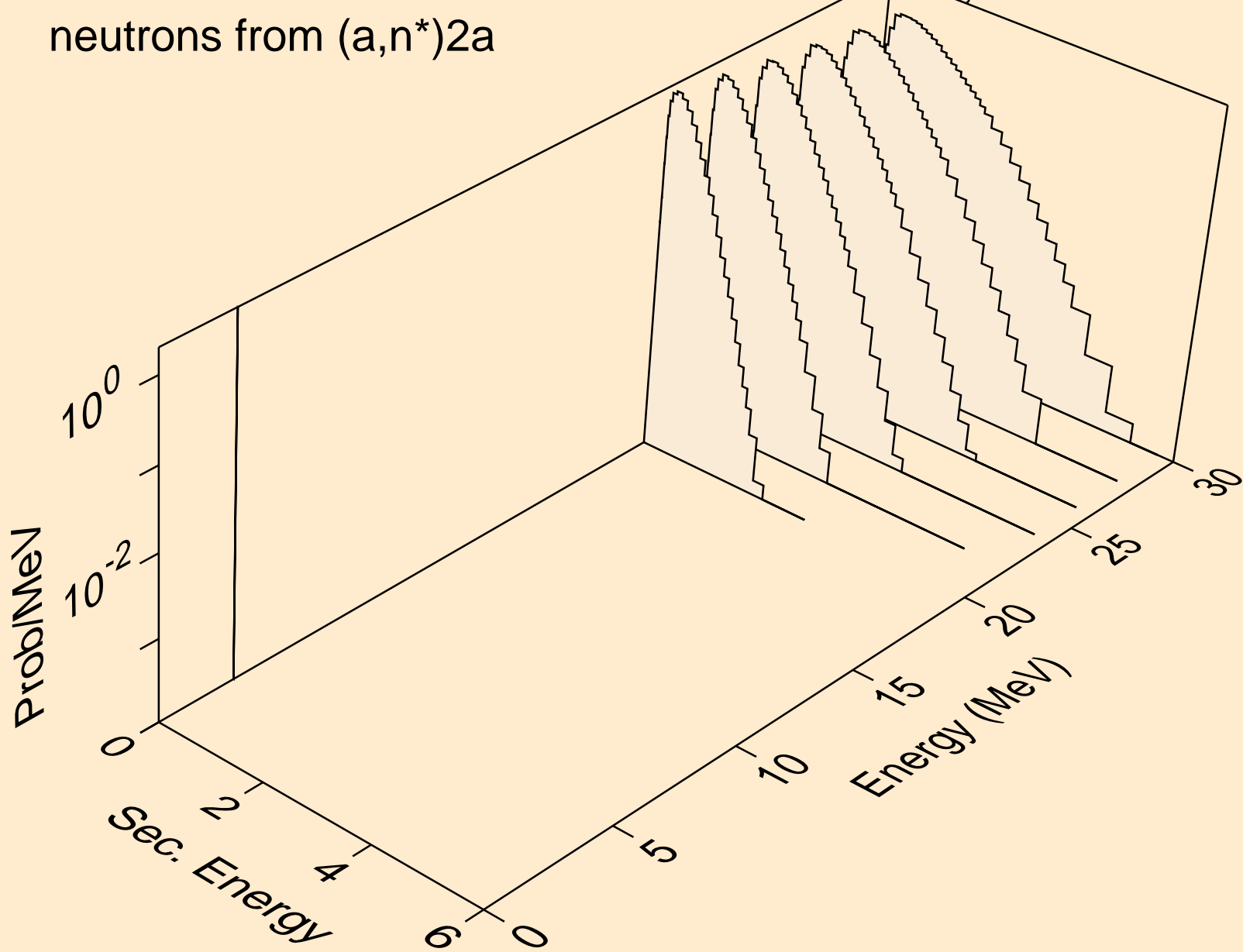
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,2n)a



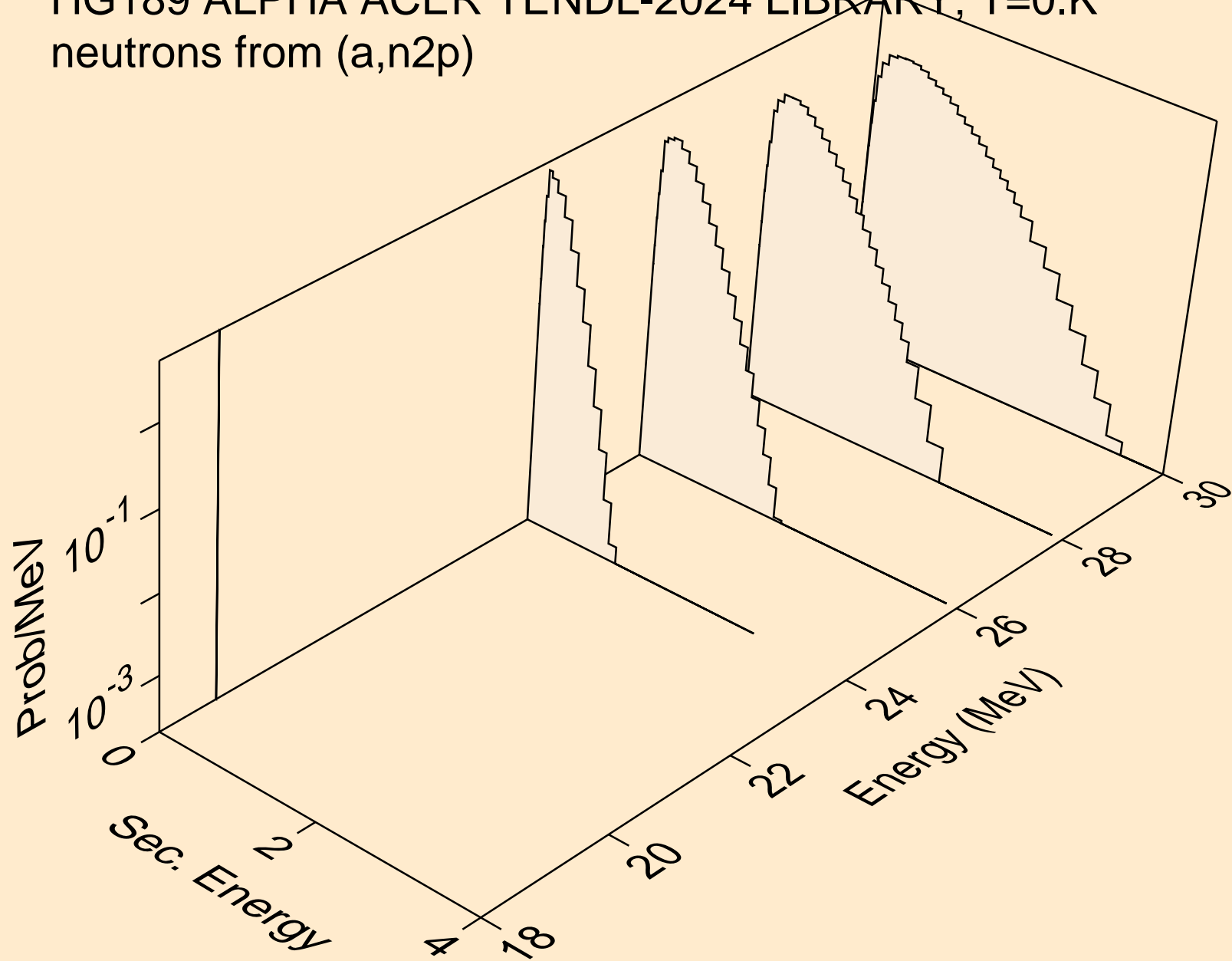
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n\*)p



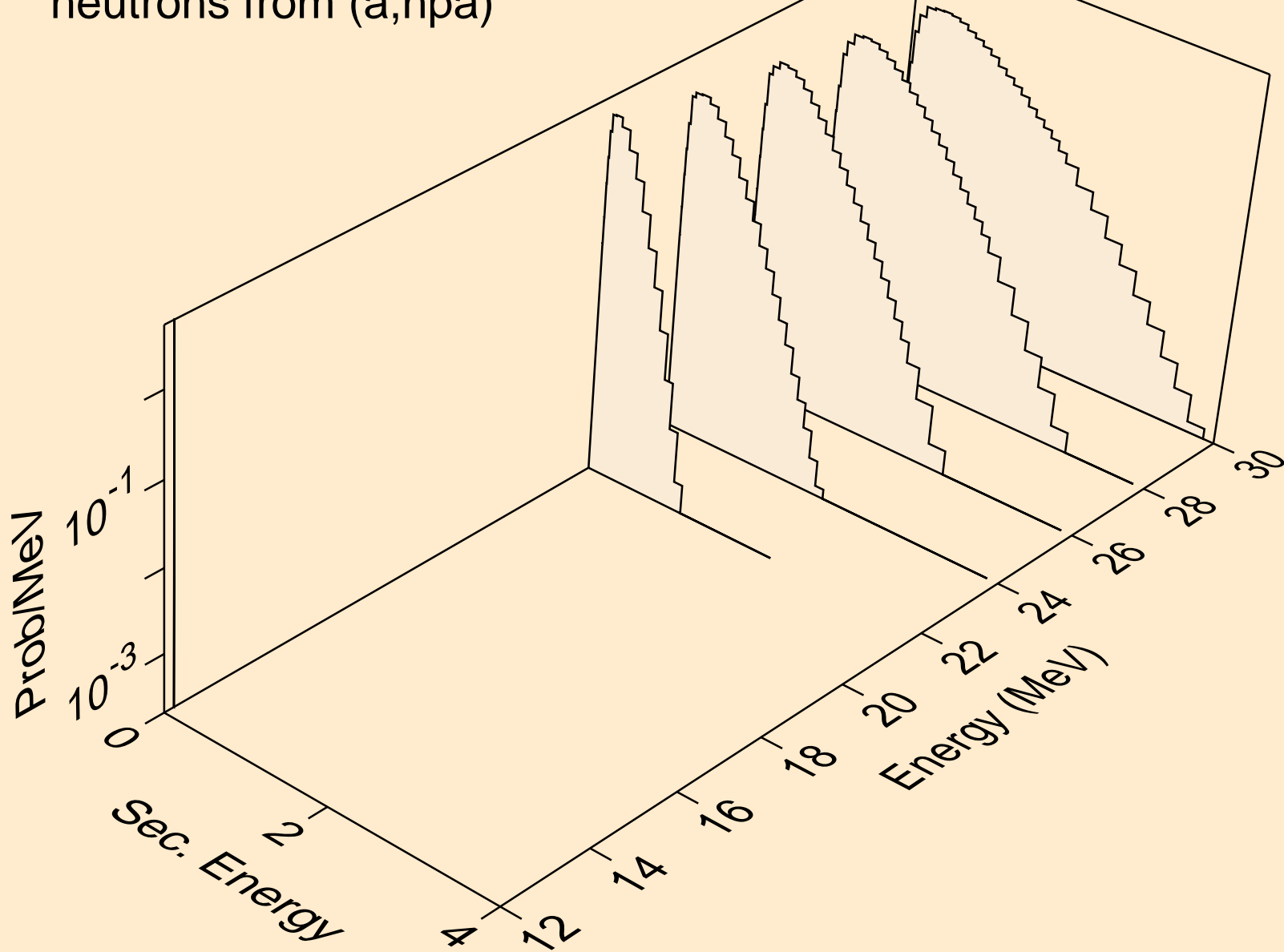
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n\*)2a



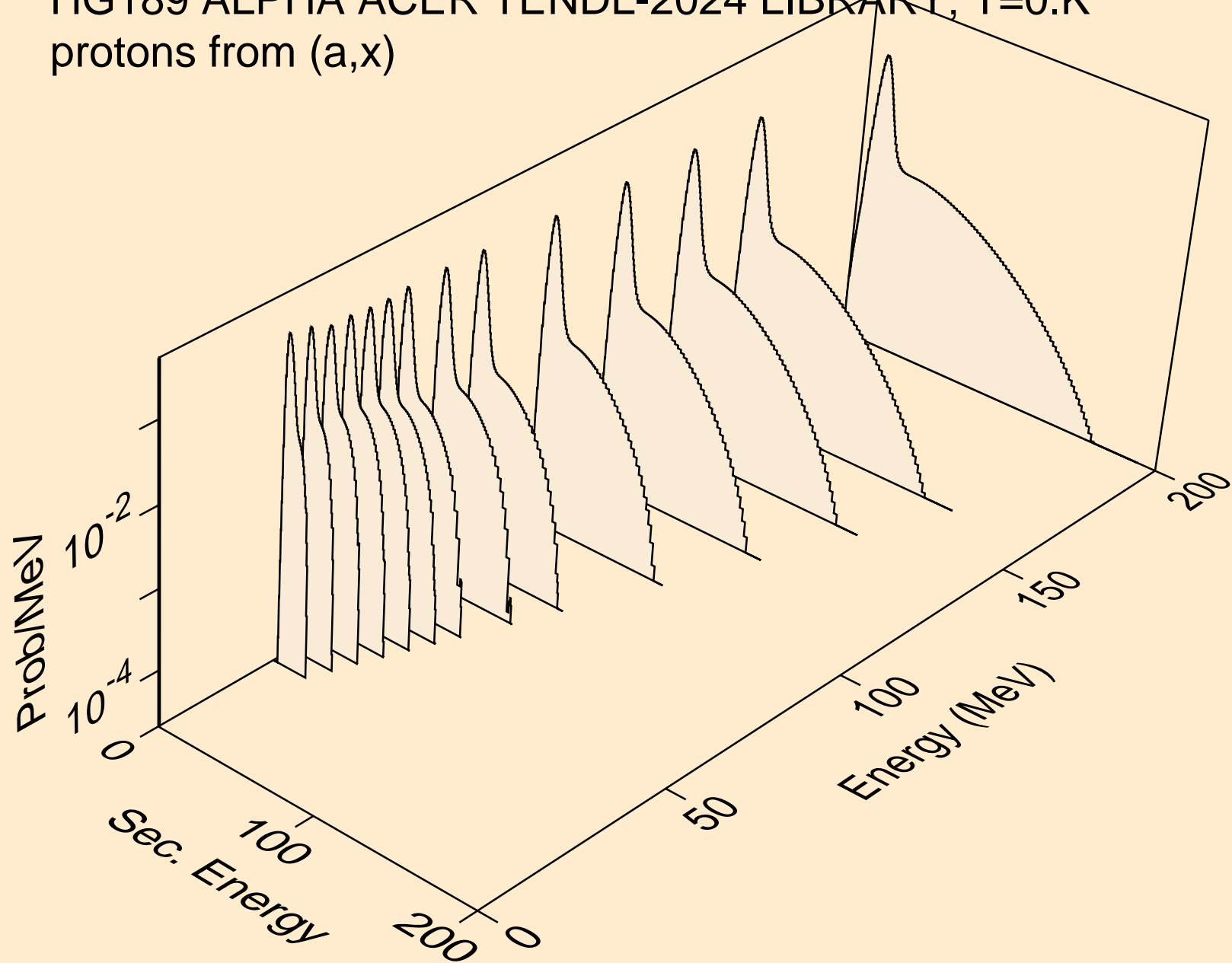
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n2p)



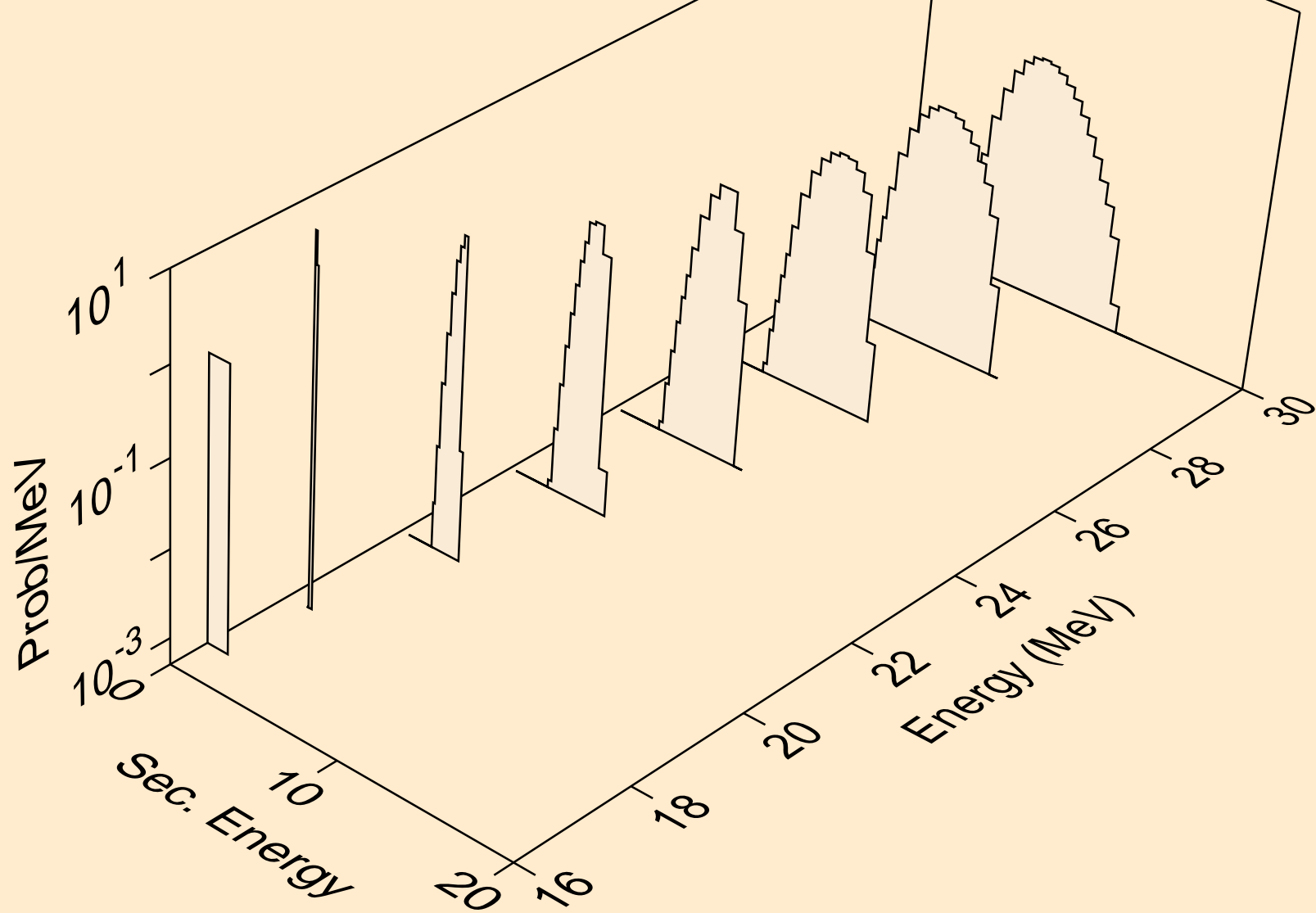
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,npa)



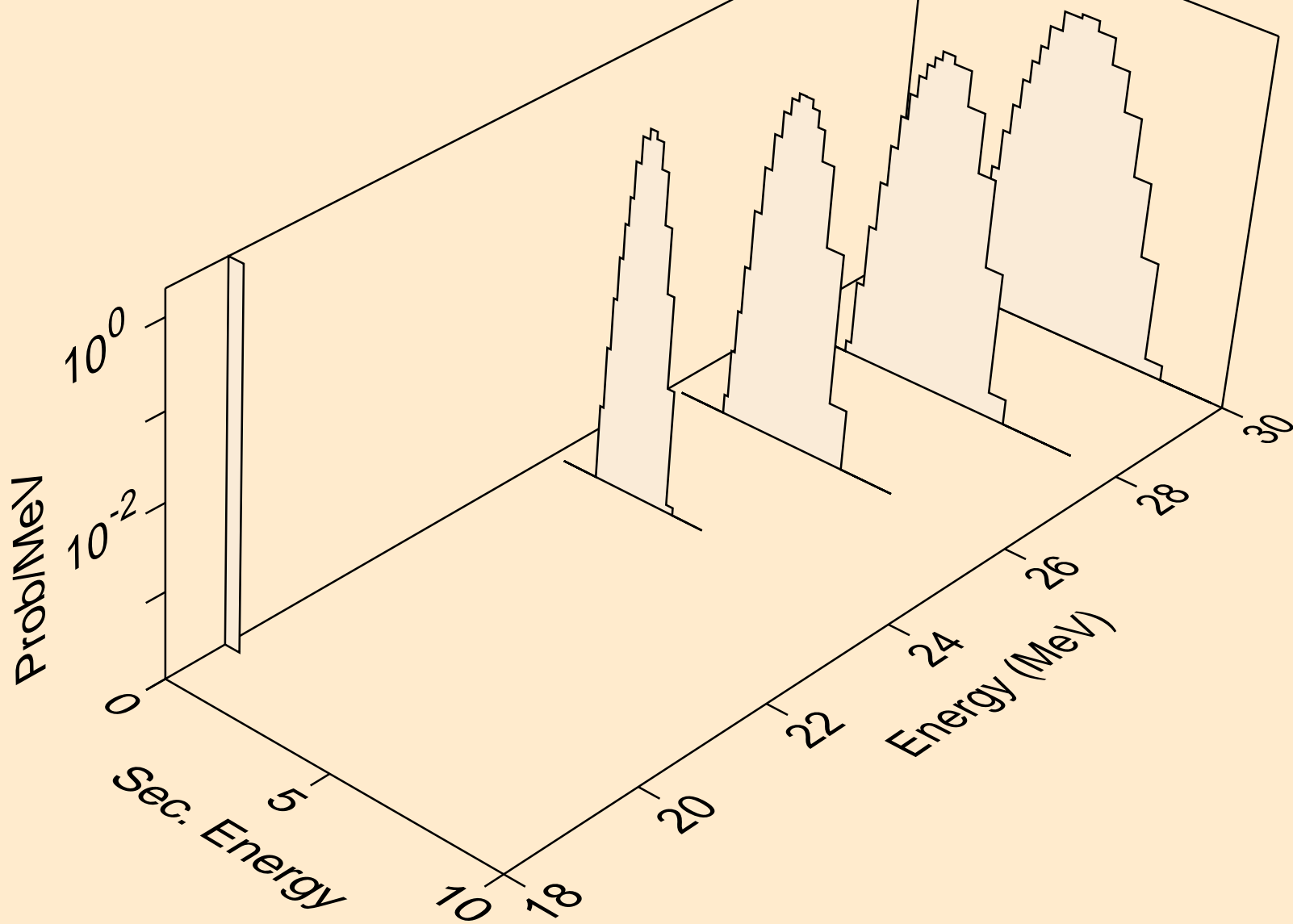
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,x)



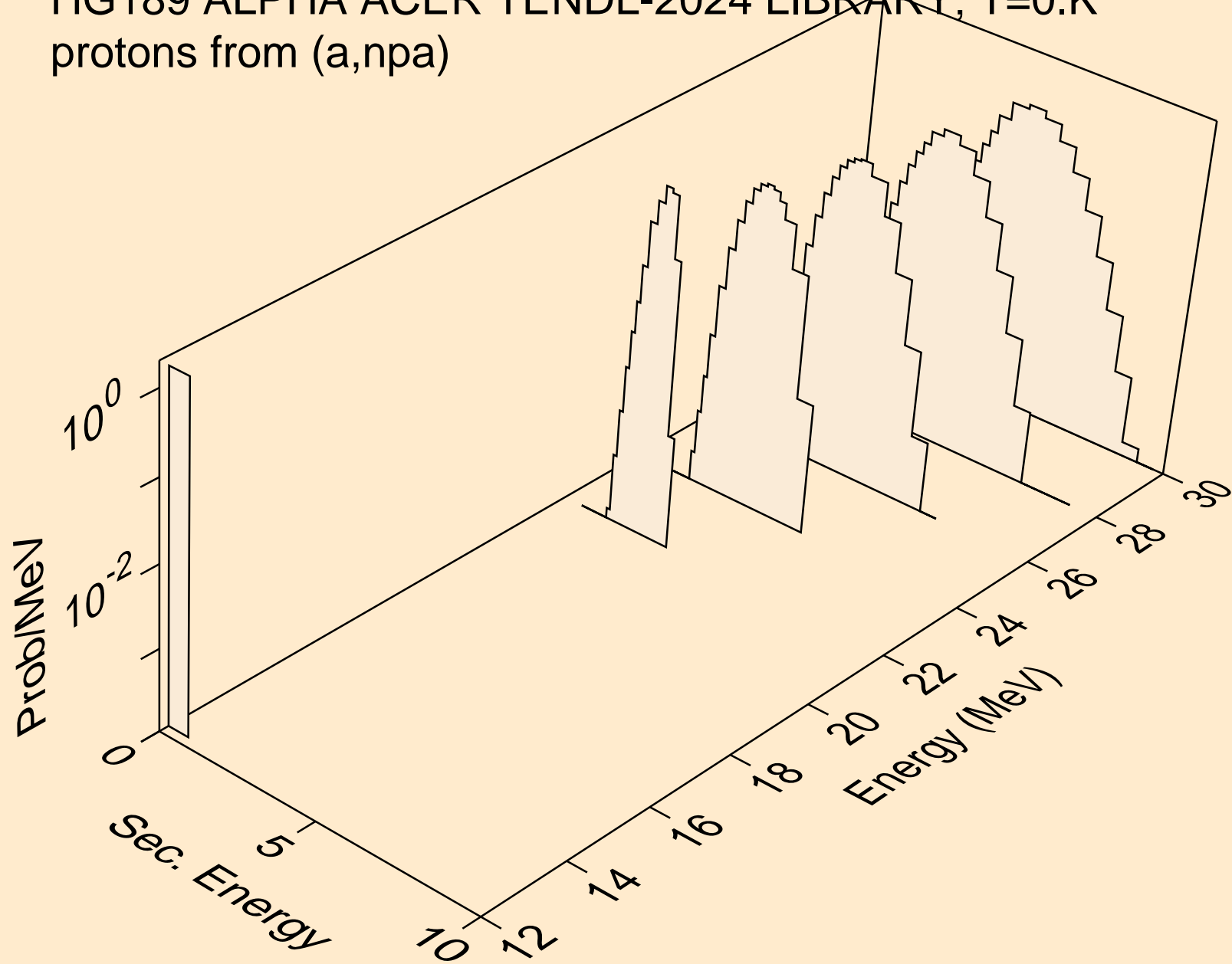
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,n\*)p



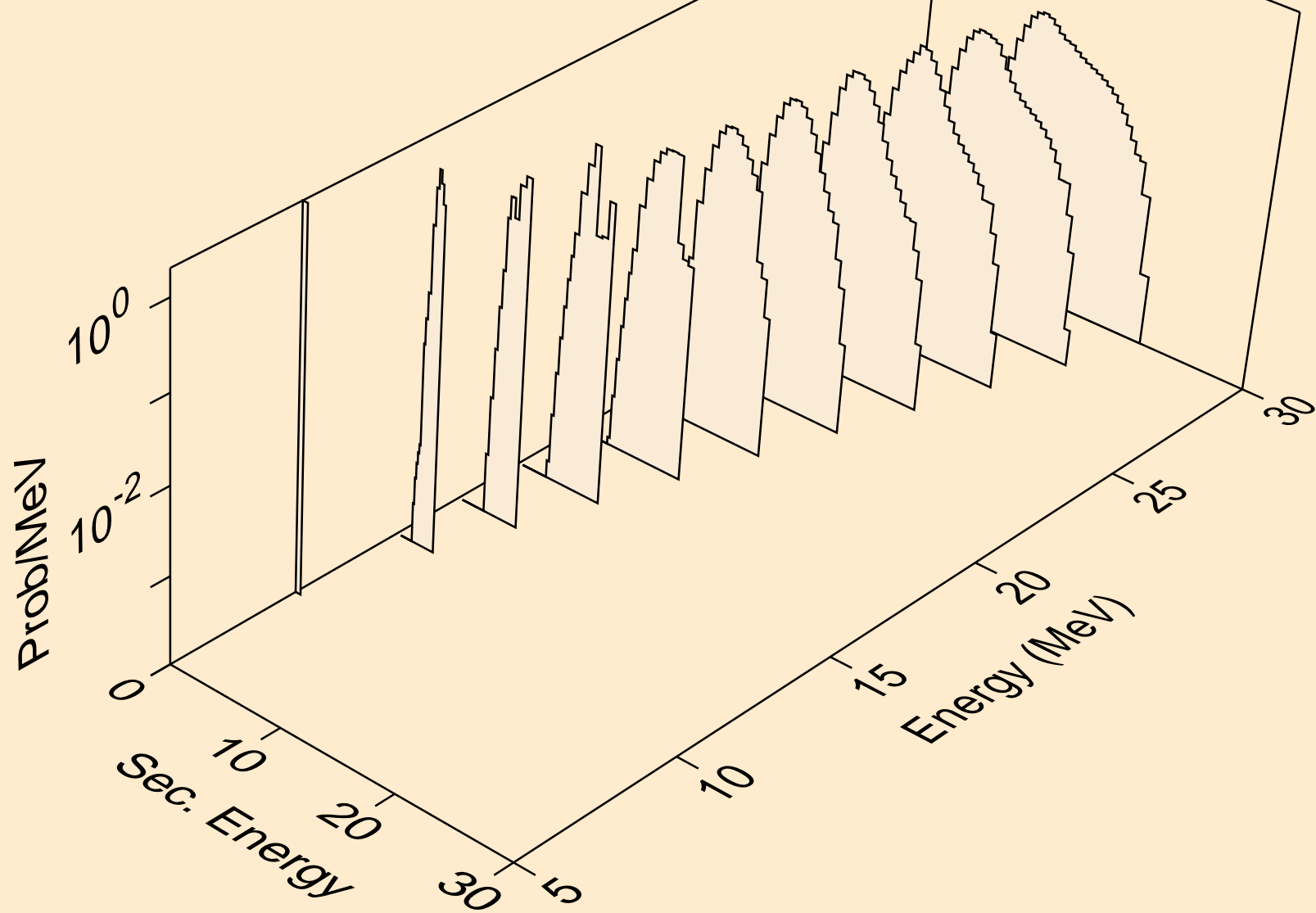
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,n2p)



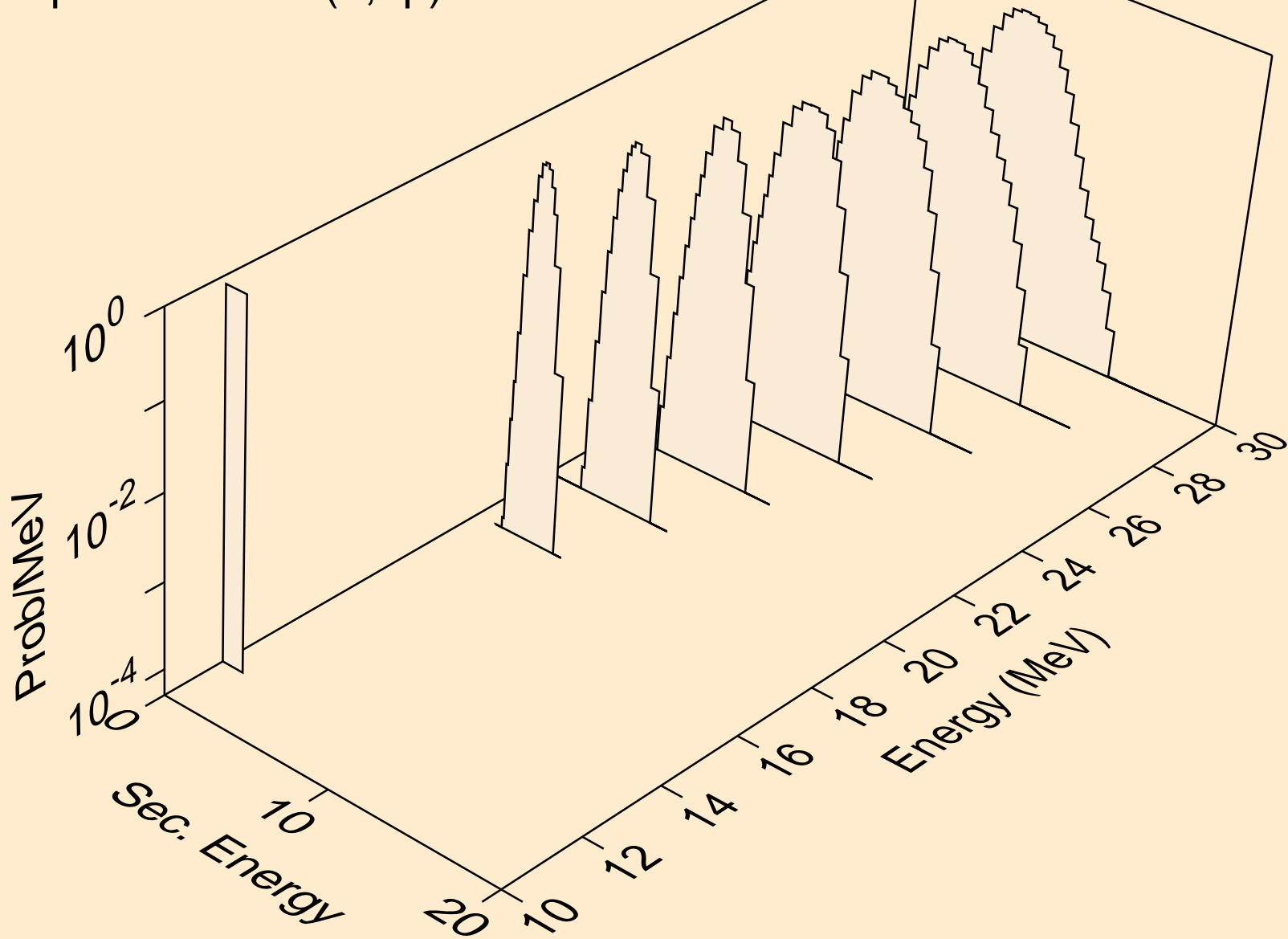
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,npa)



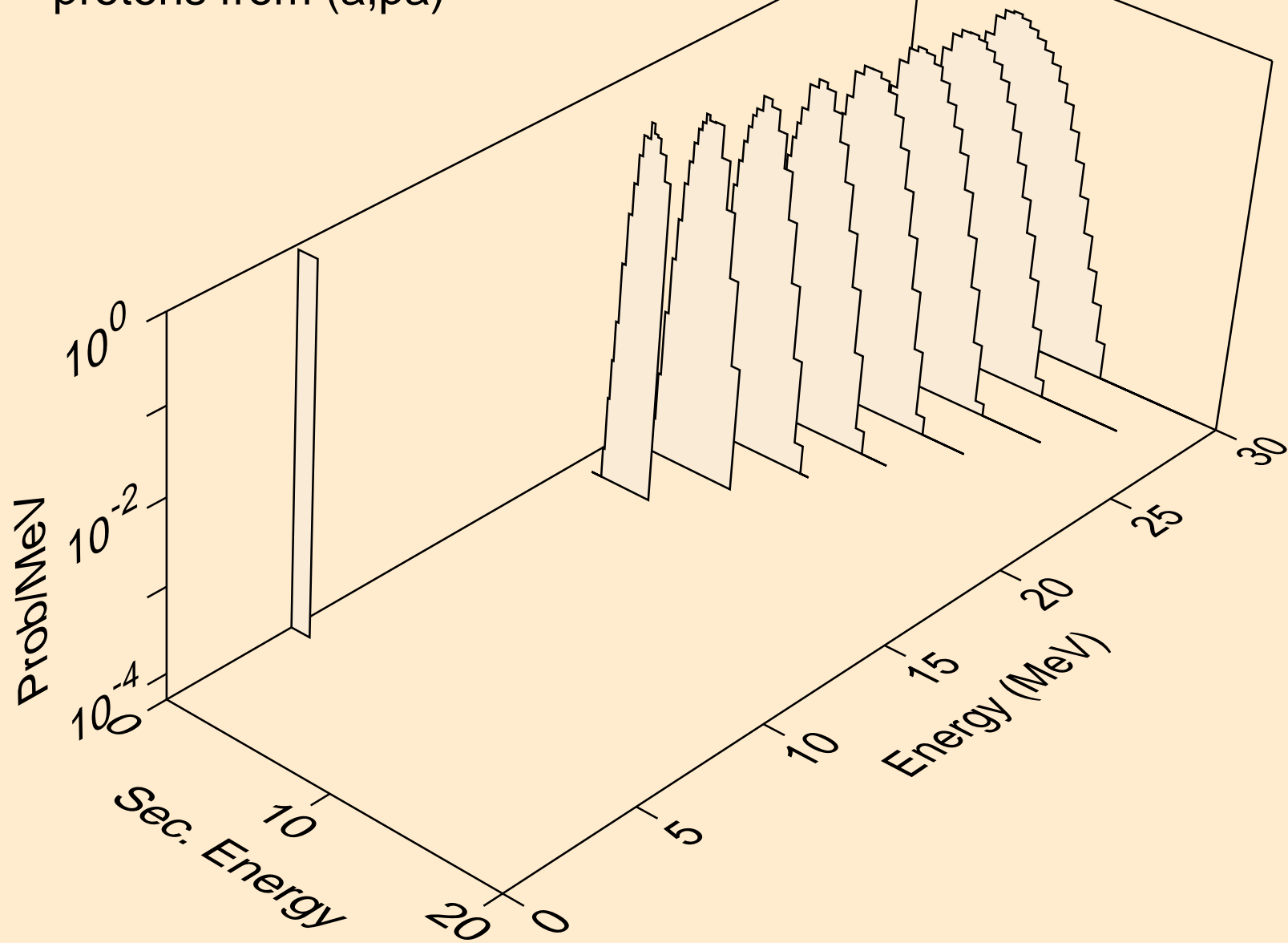
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,p)



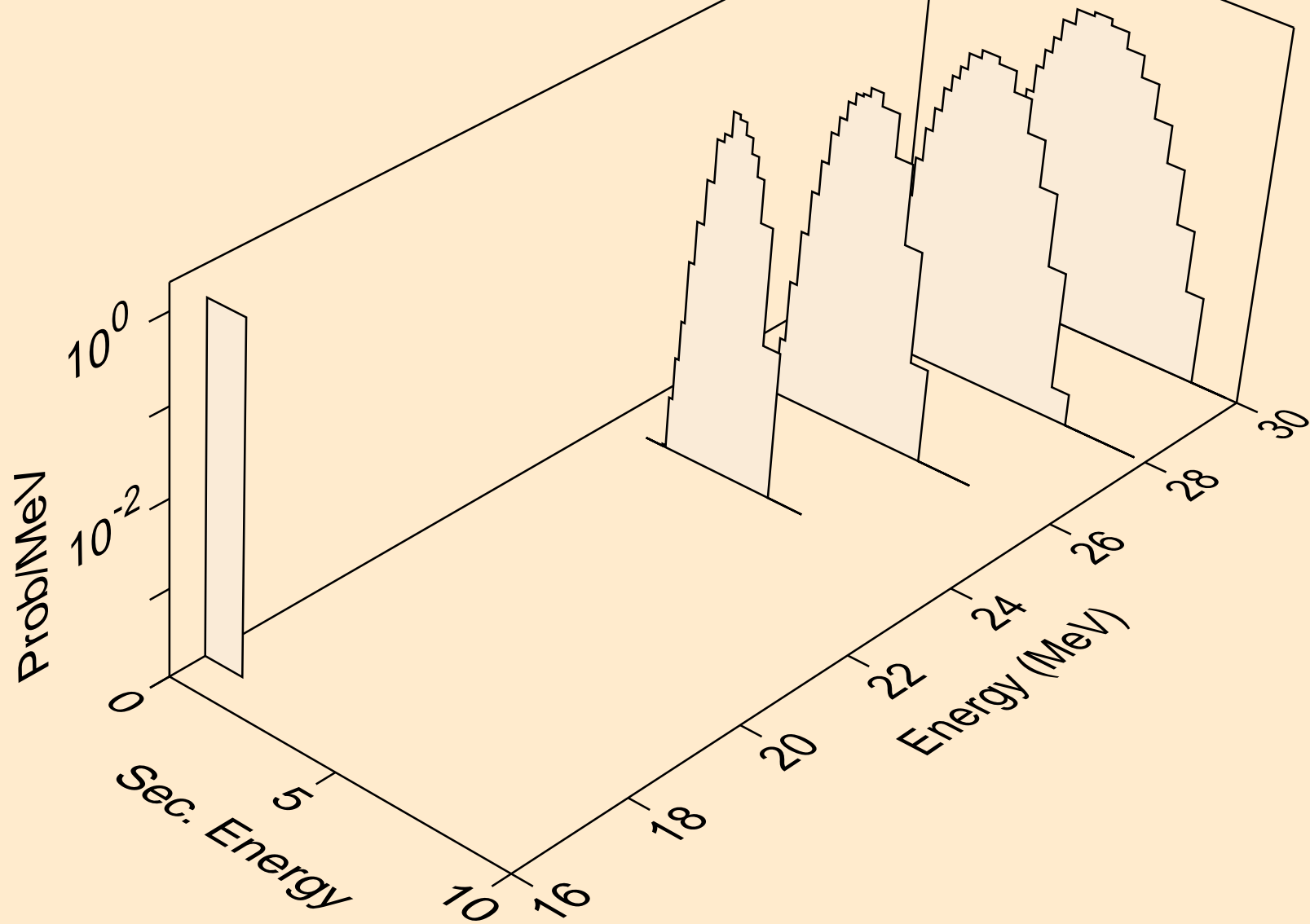
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,2p)



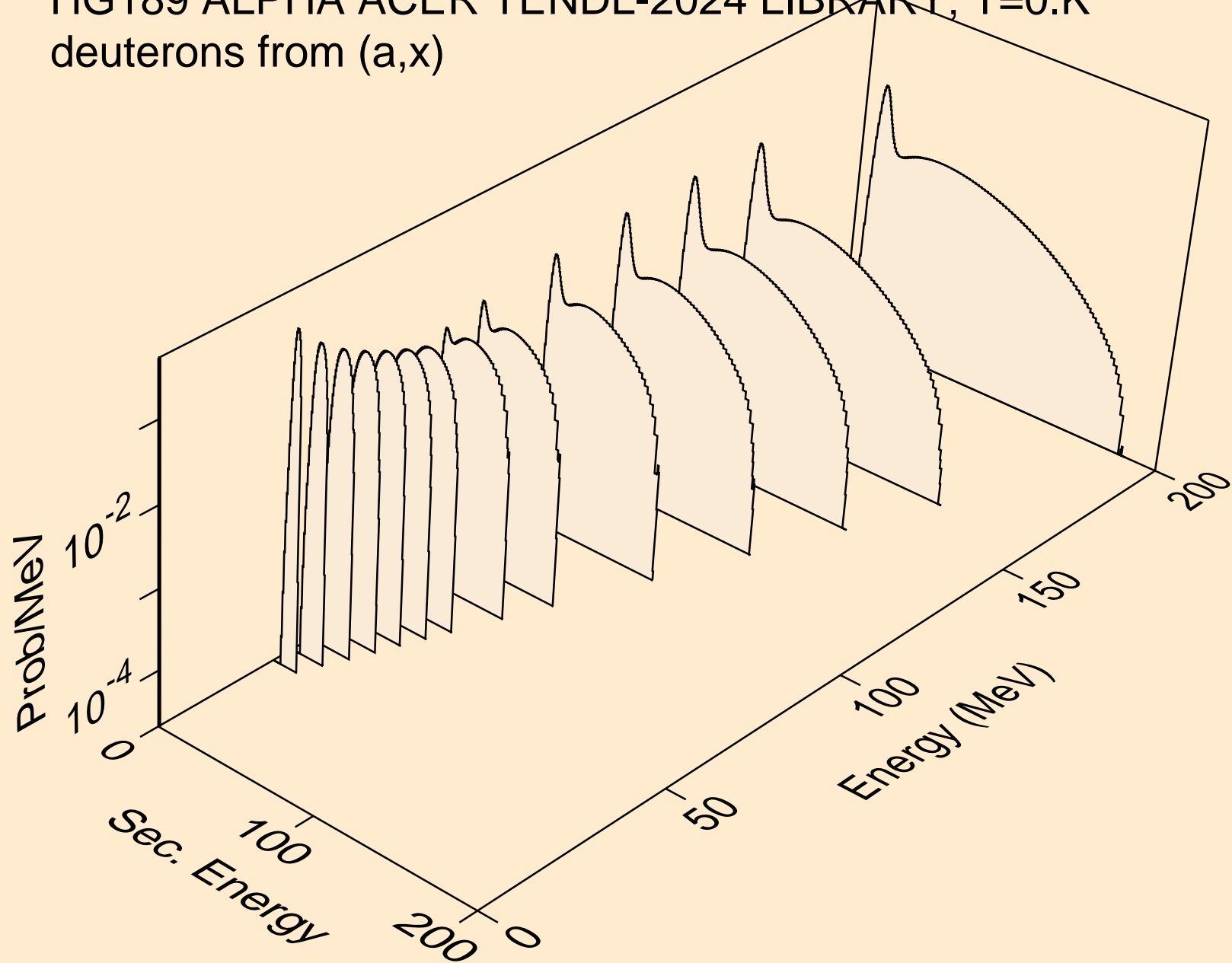
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,pa)



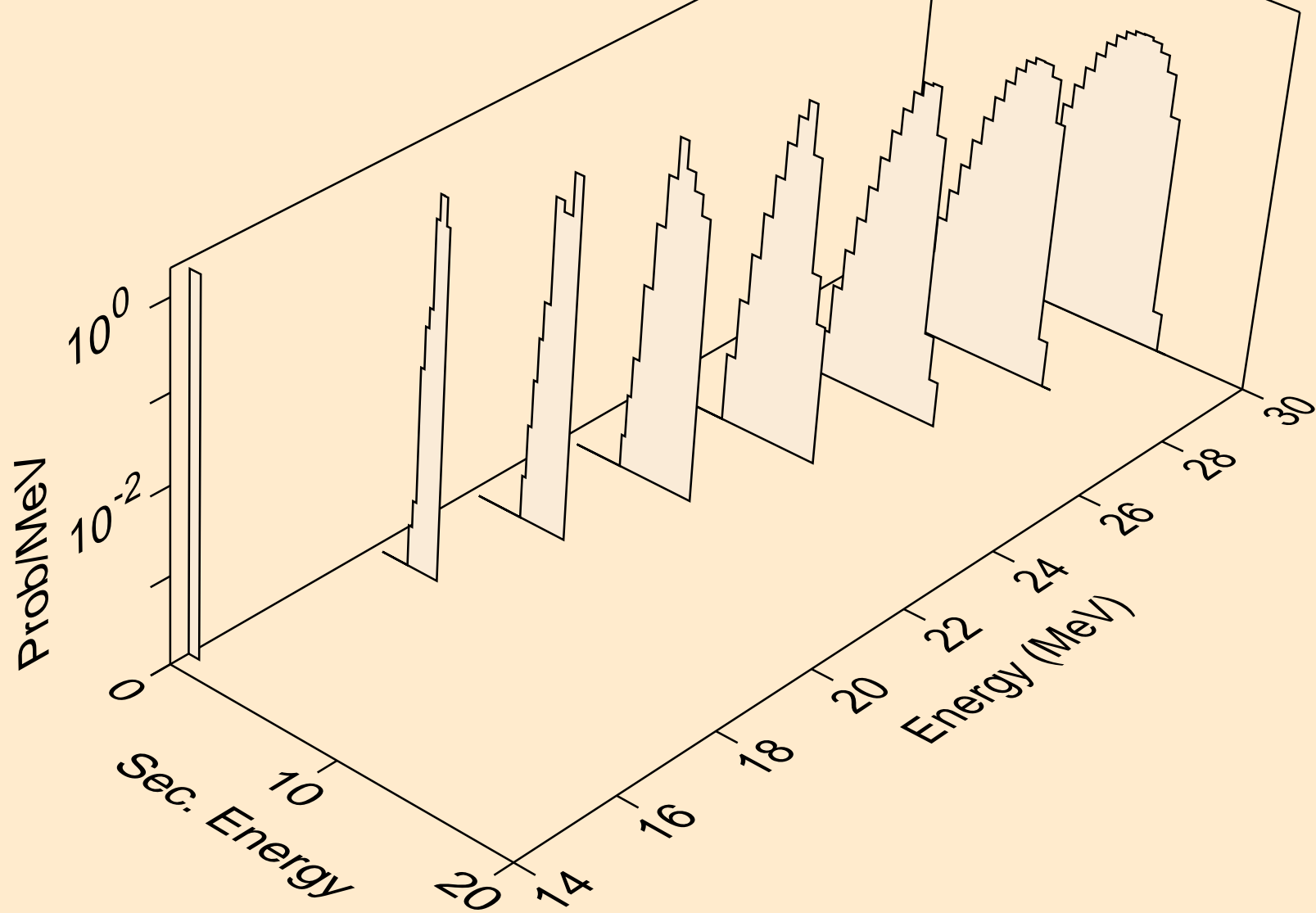
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
protons from (a,pd)



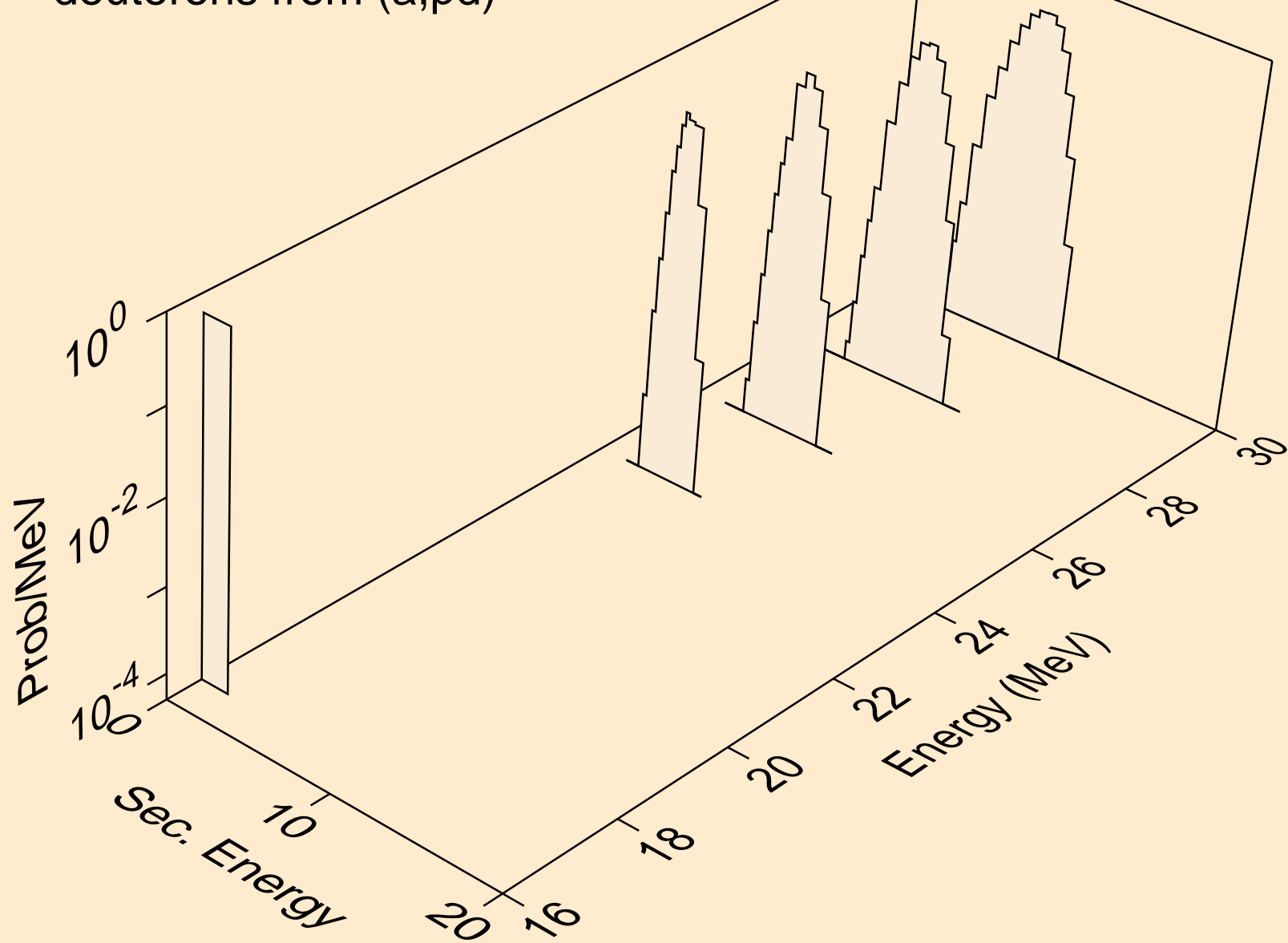
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (a,x)



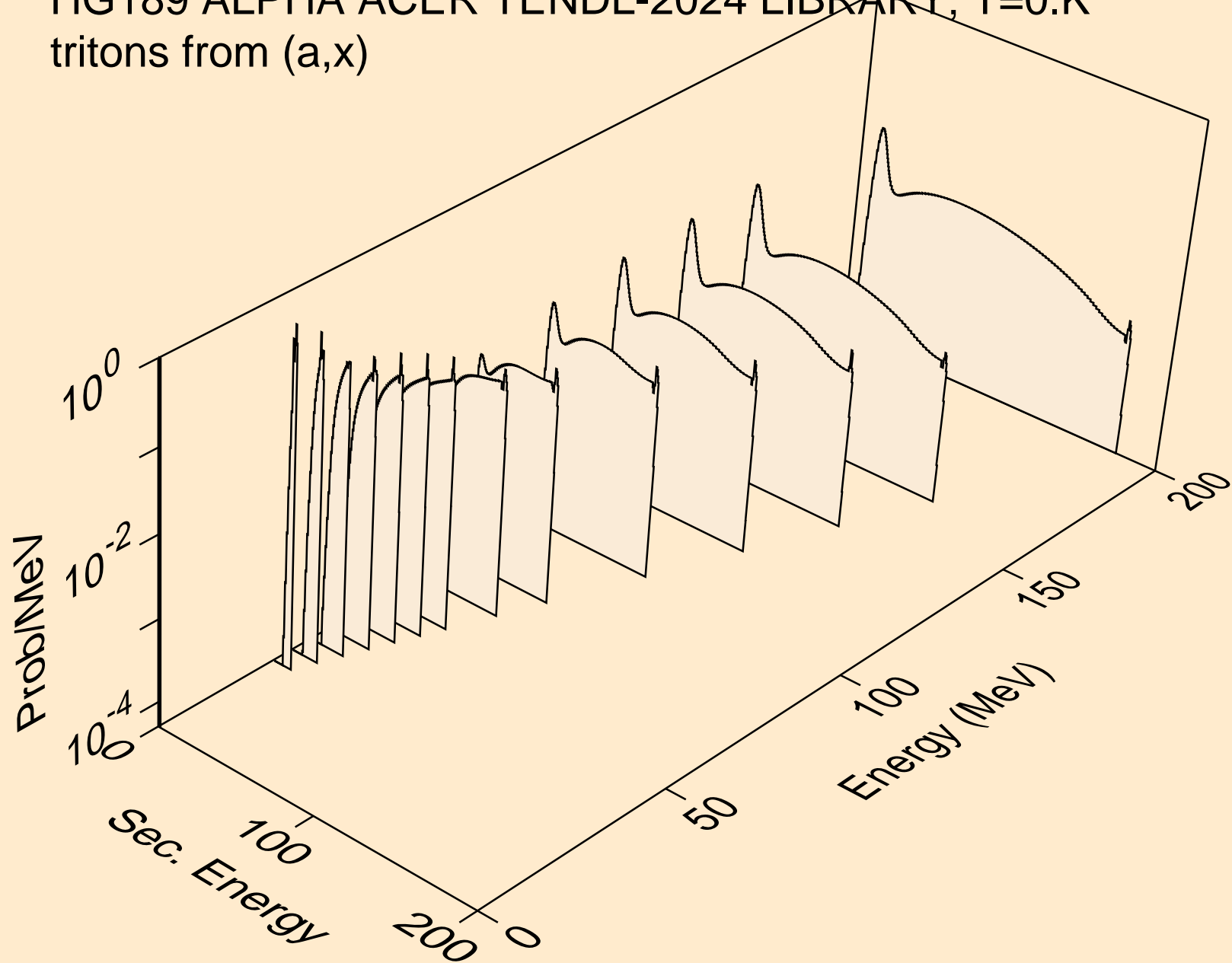
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (a,d)



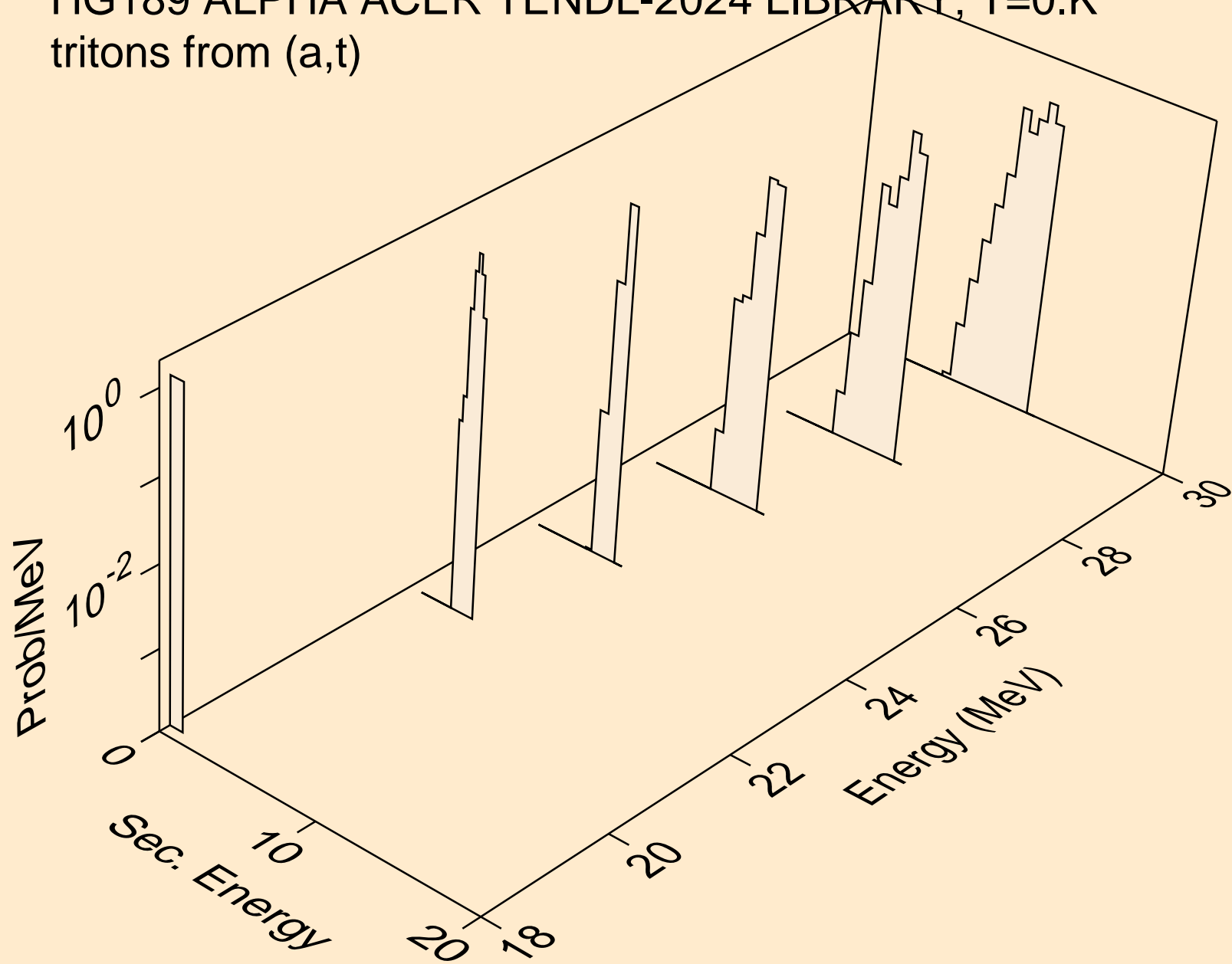
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (a,pd)



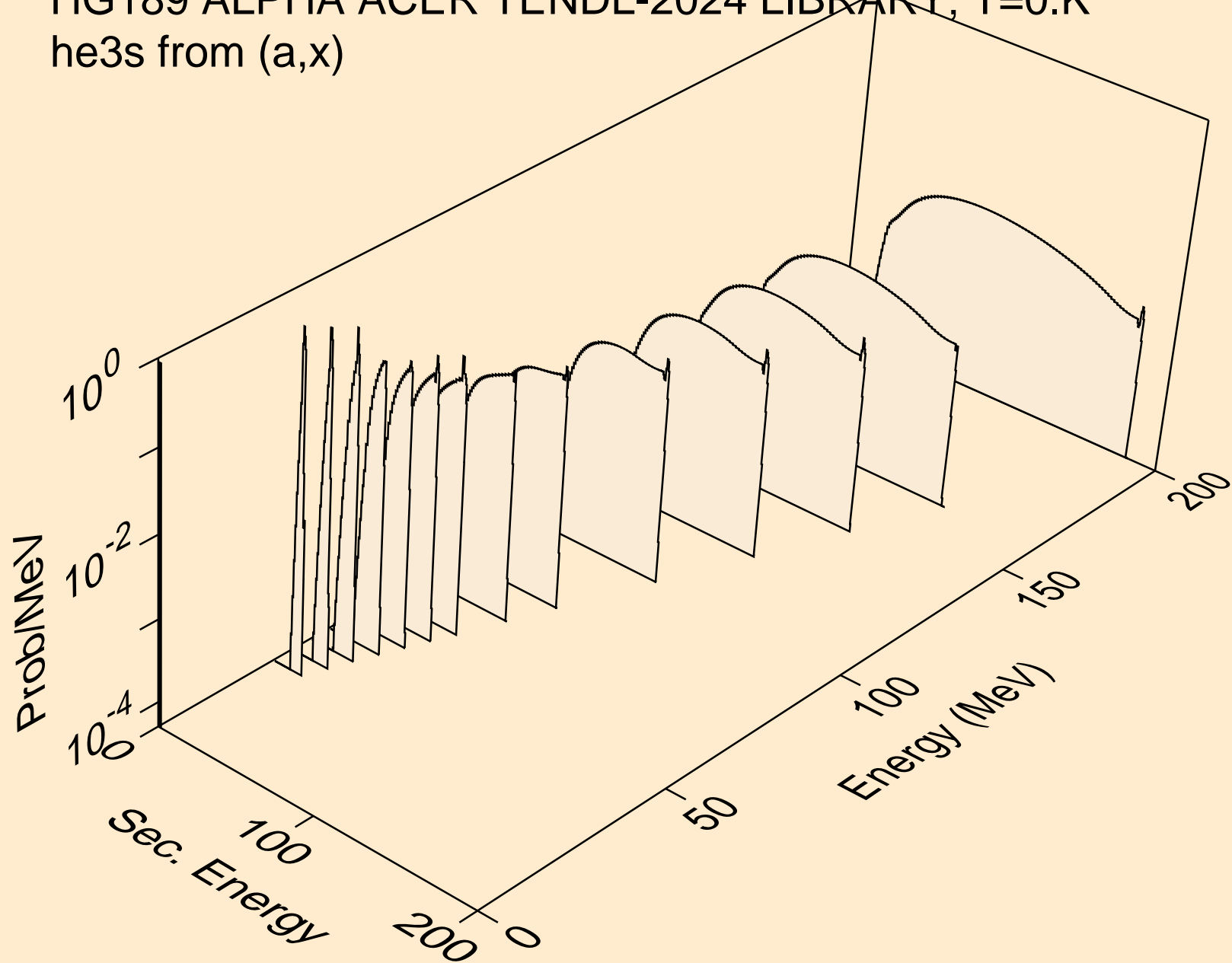
HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (a,x)



HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (a,t)



HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (a,x)



HG189 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (a,he3)

