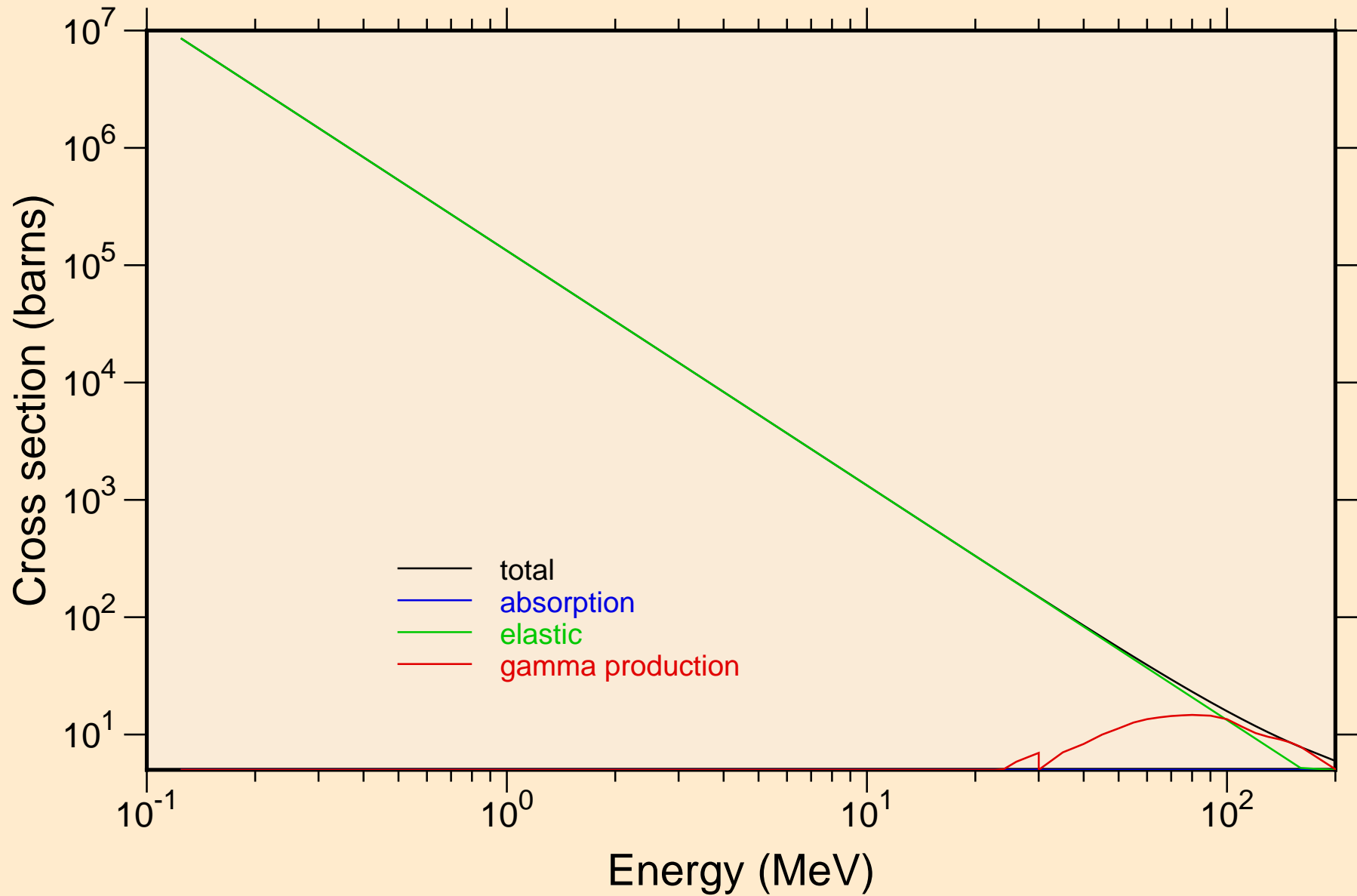


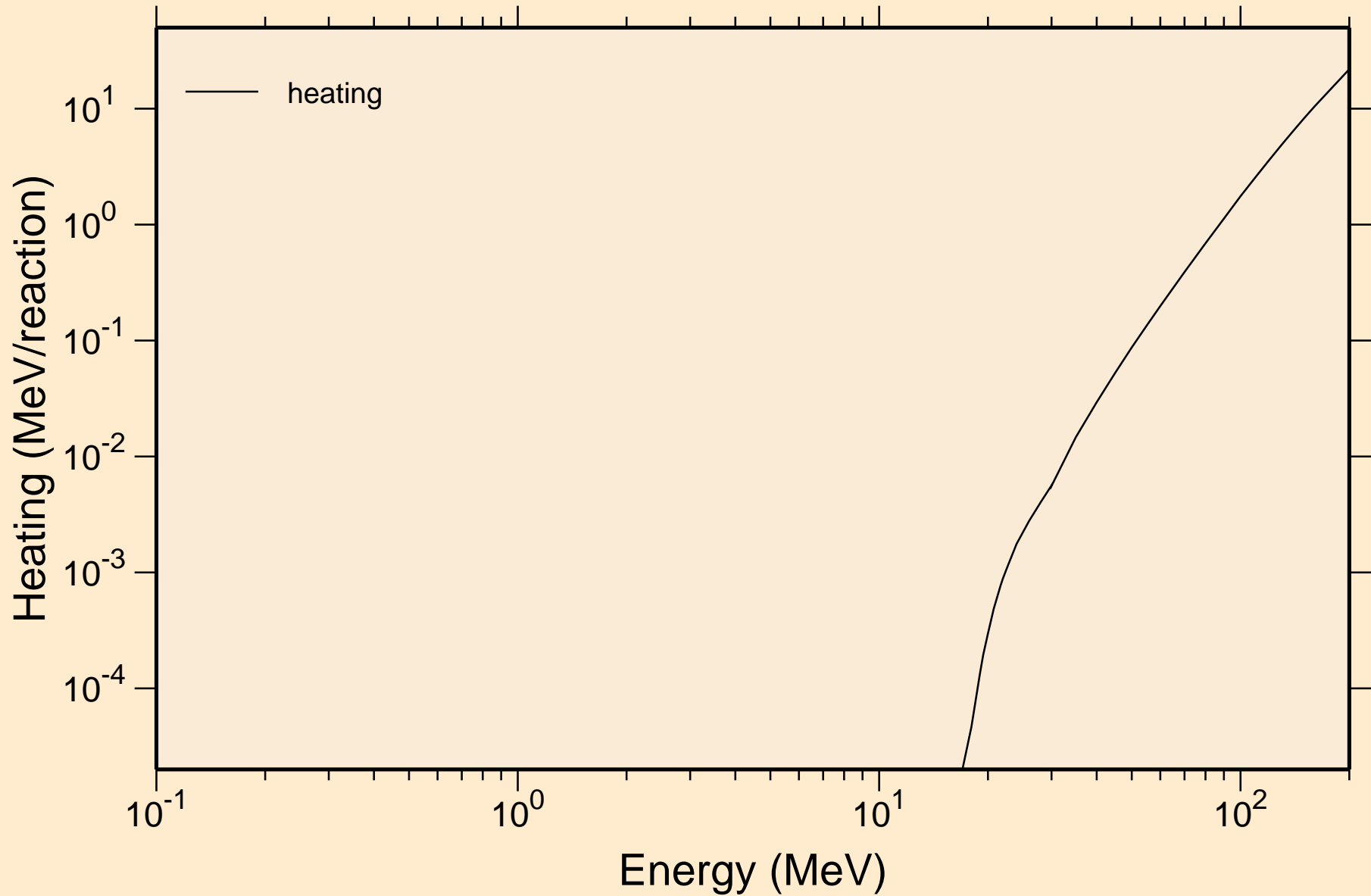
# HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



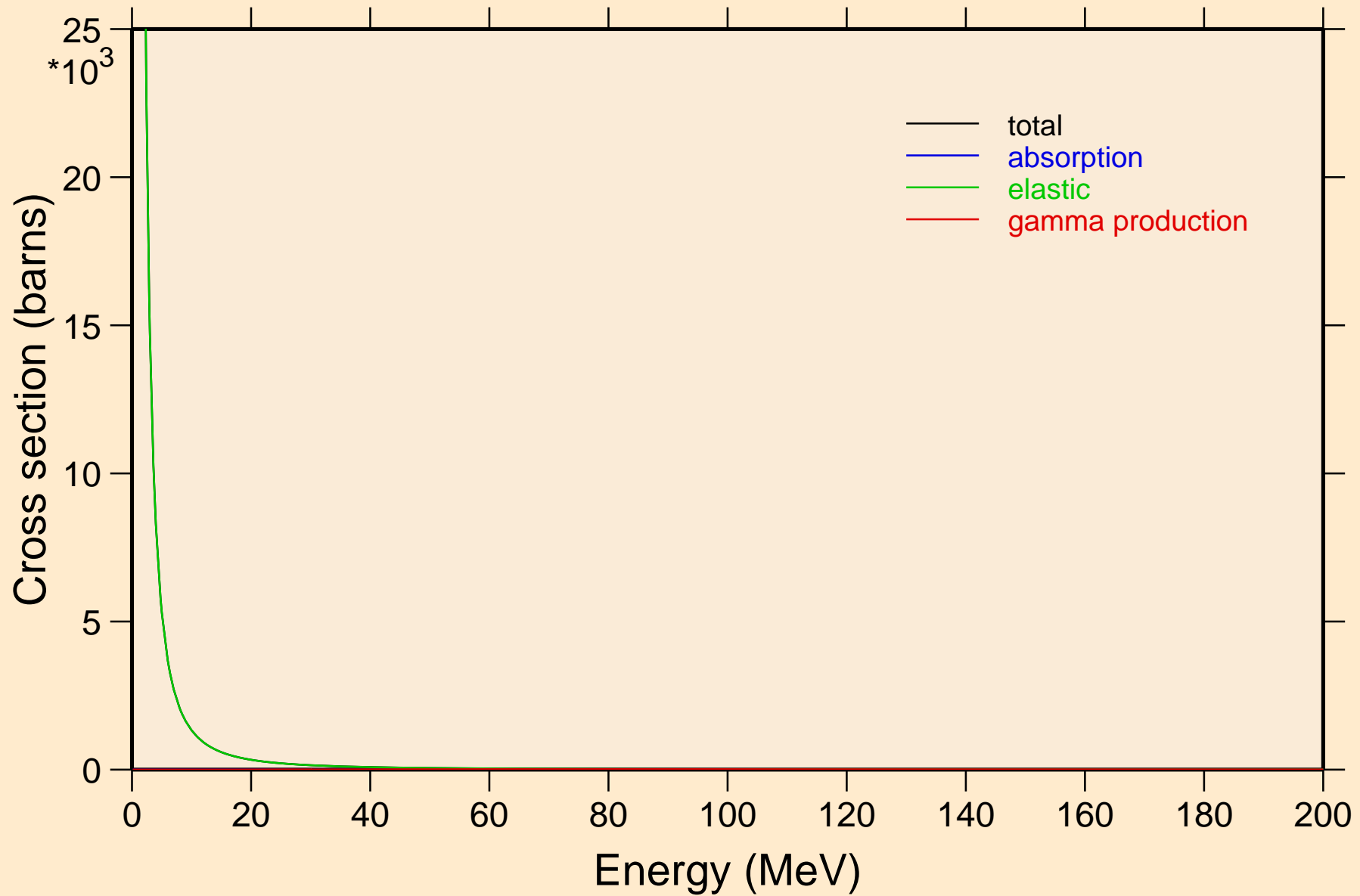
# HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Heating



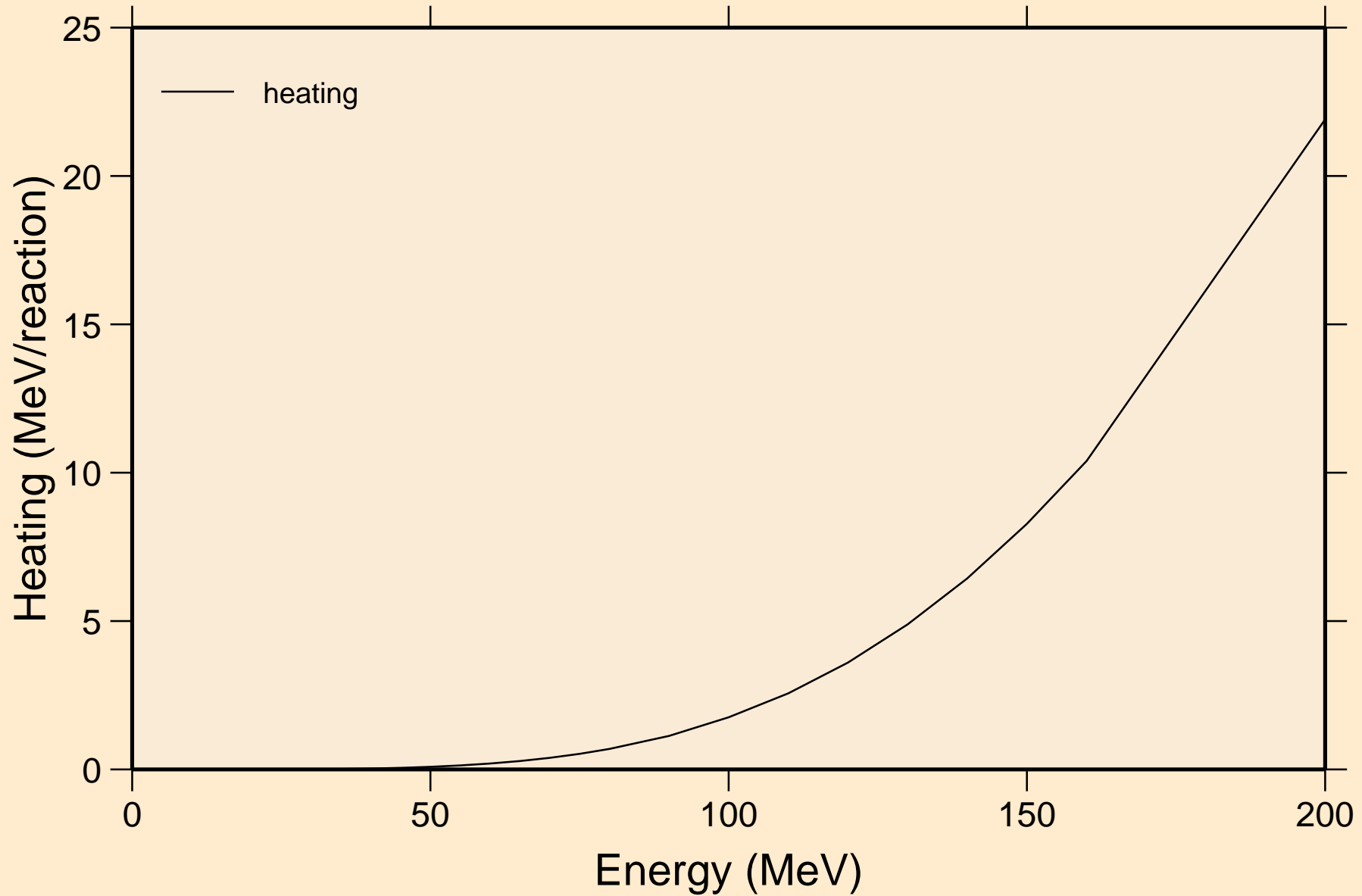
# HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



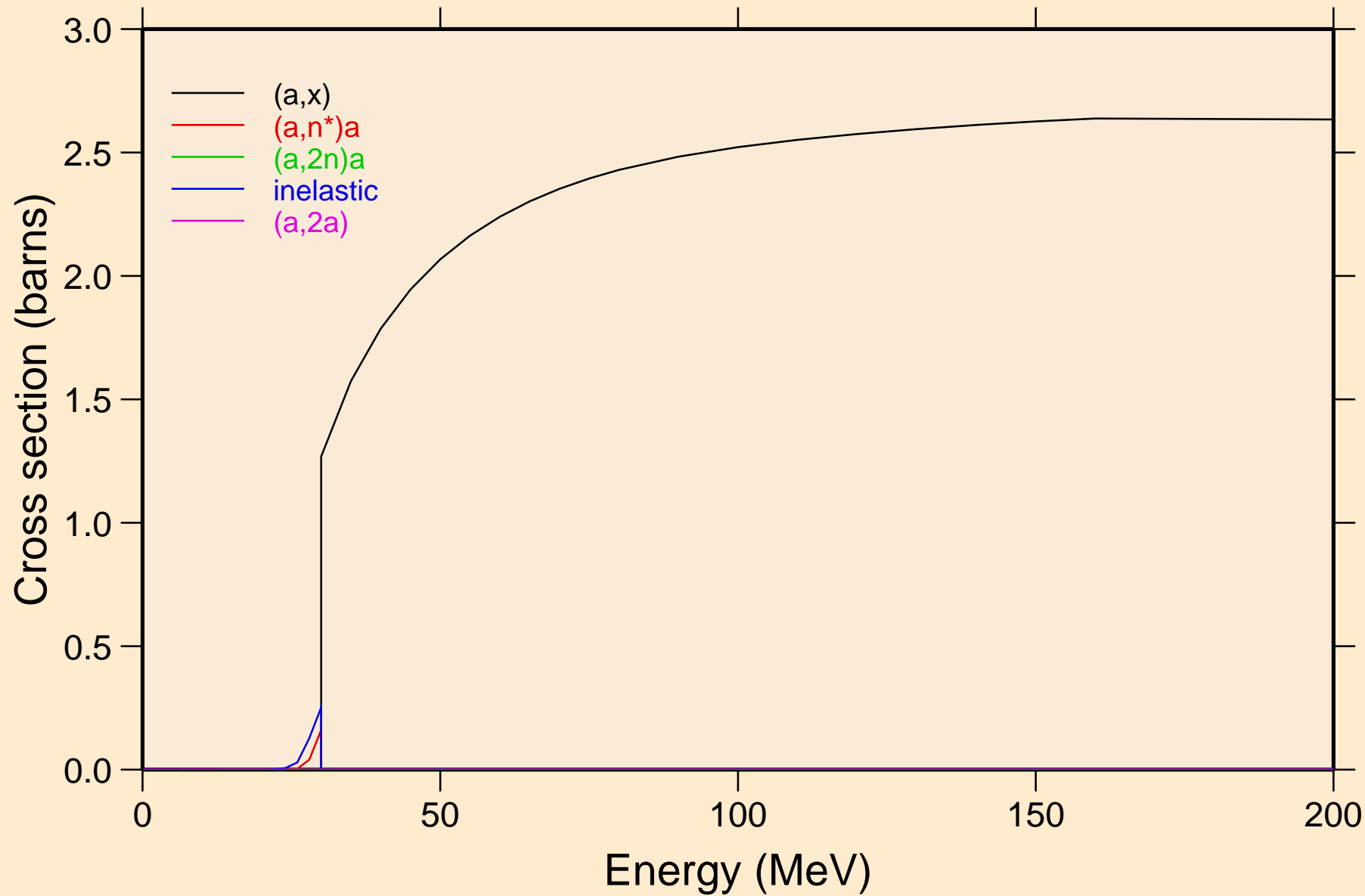
# HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Heating

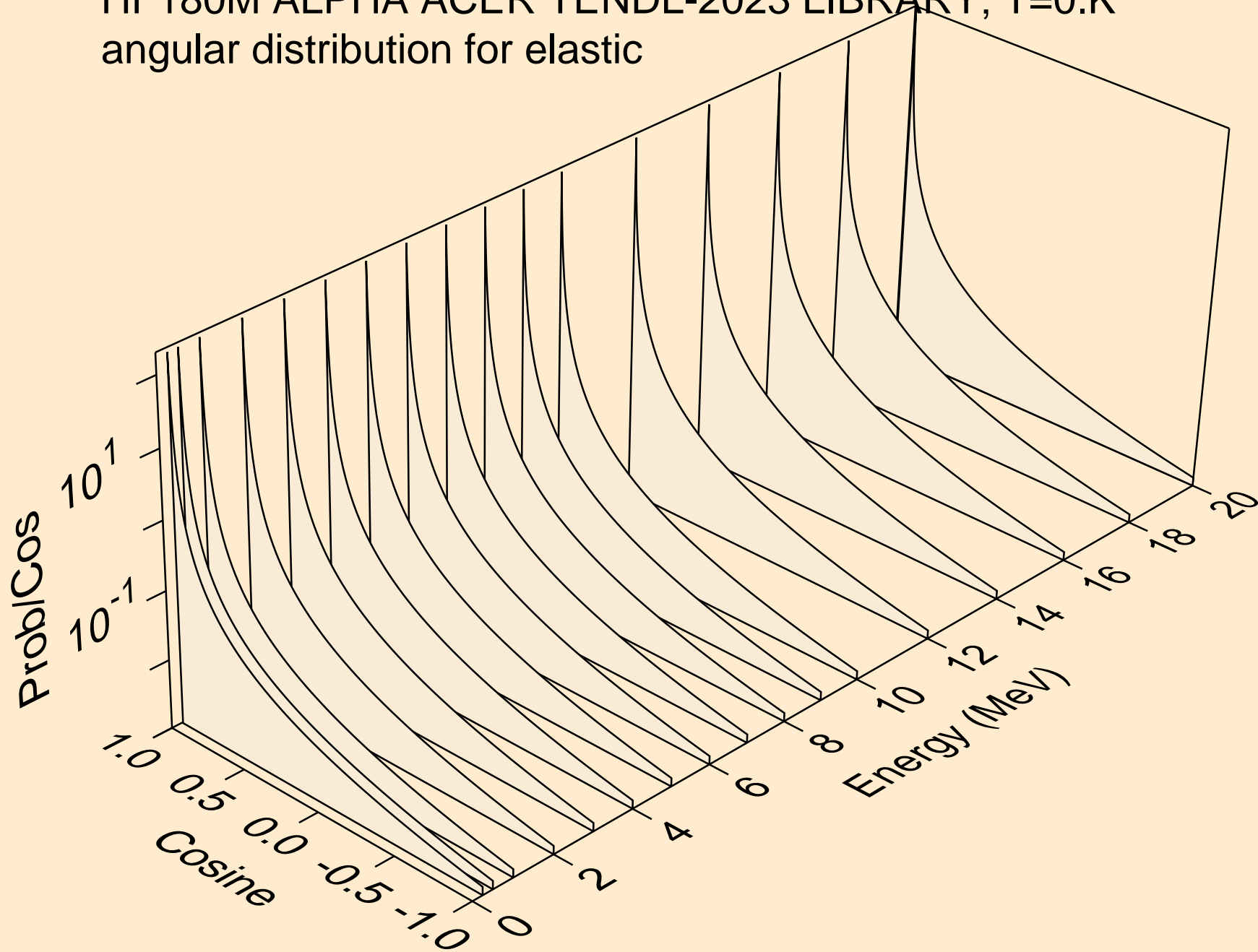


# HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

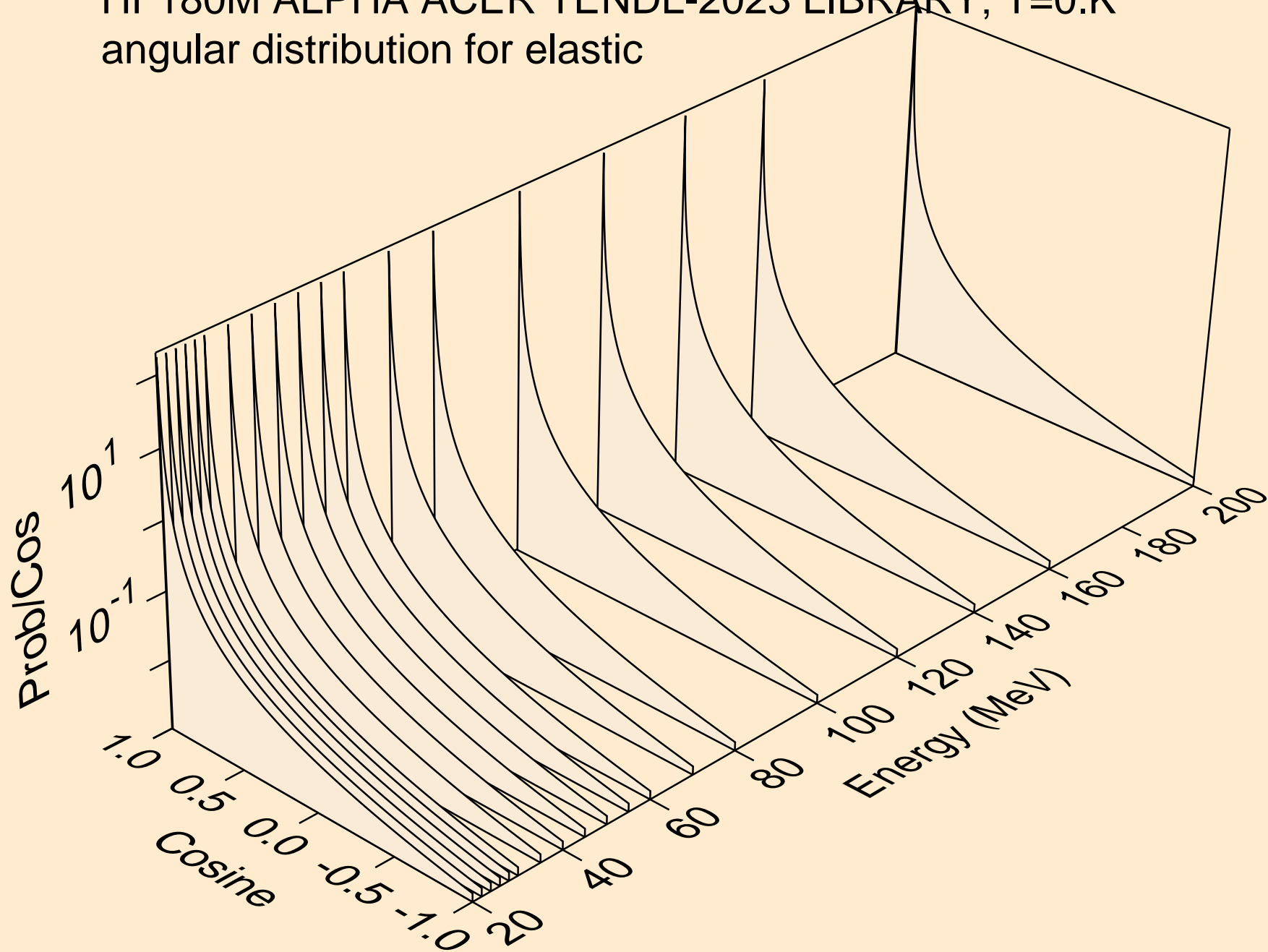
## Threshold reactions



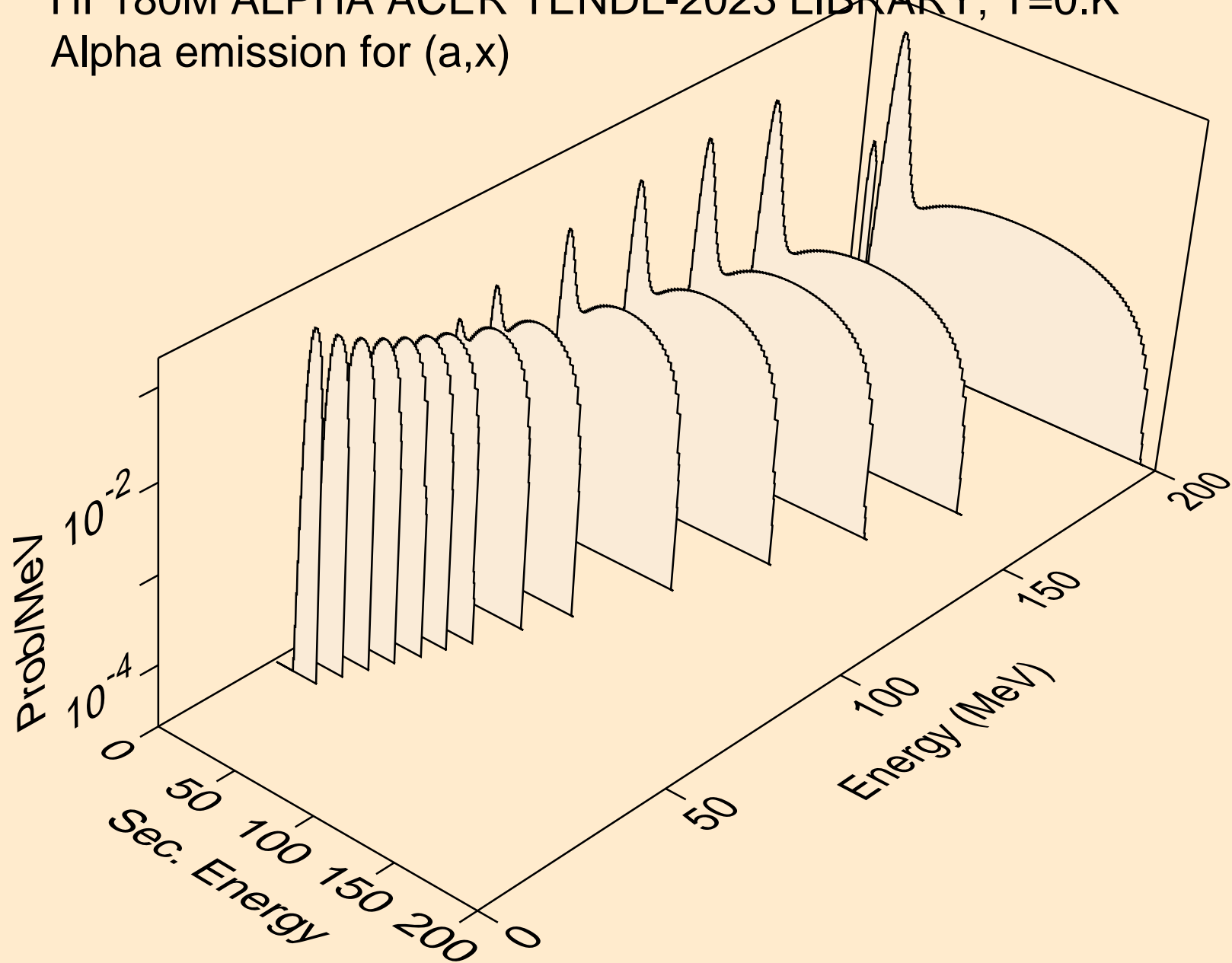
HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

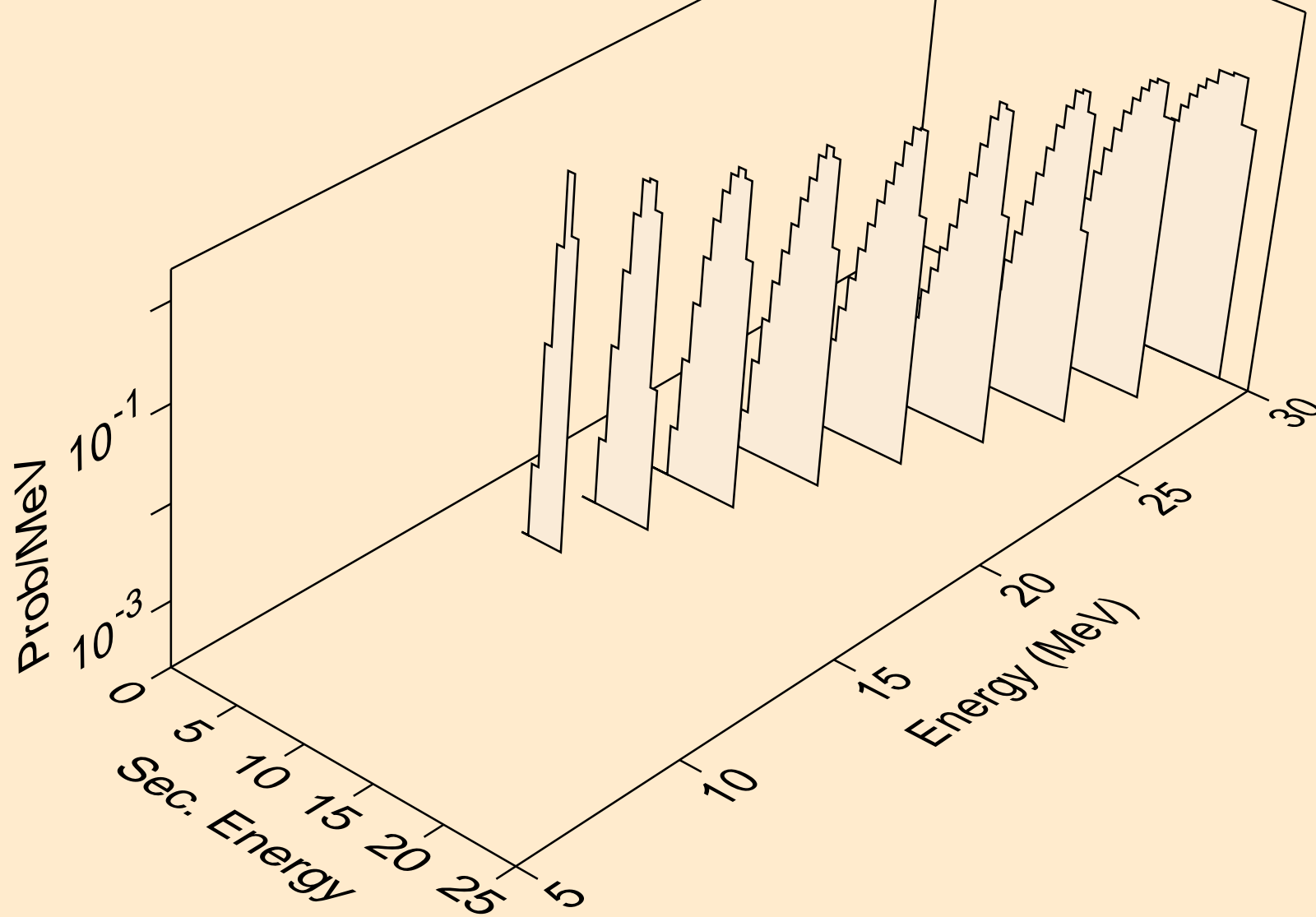


HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,x)

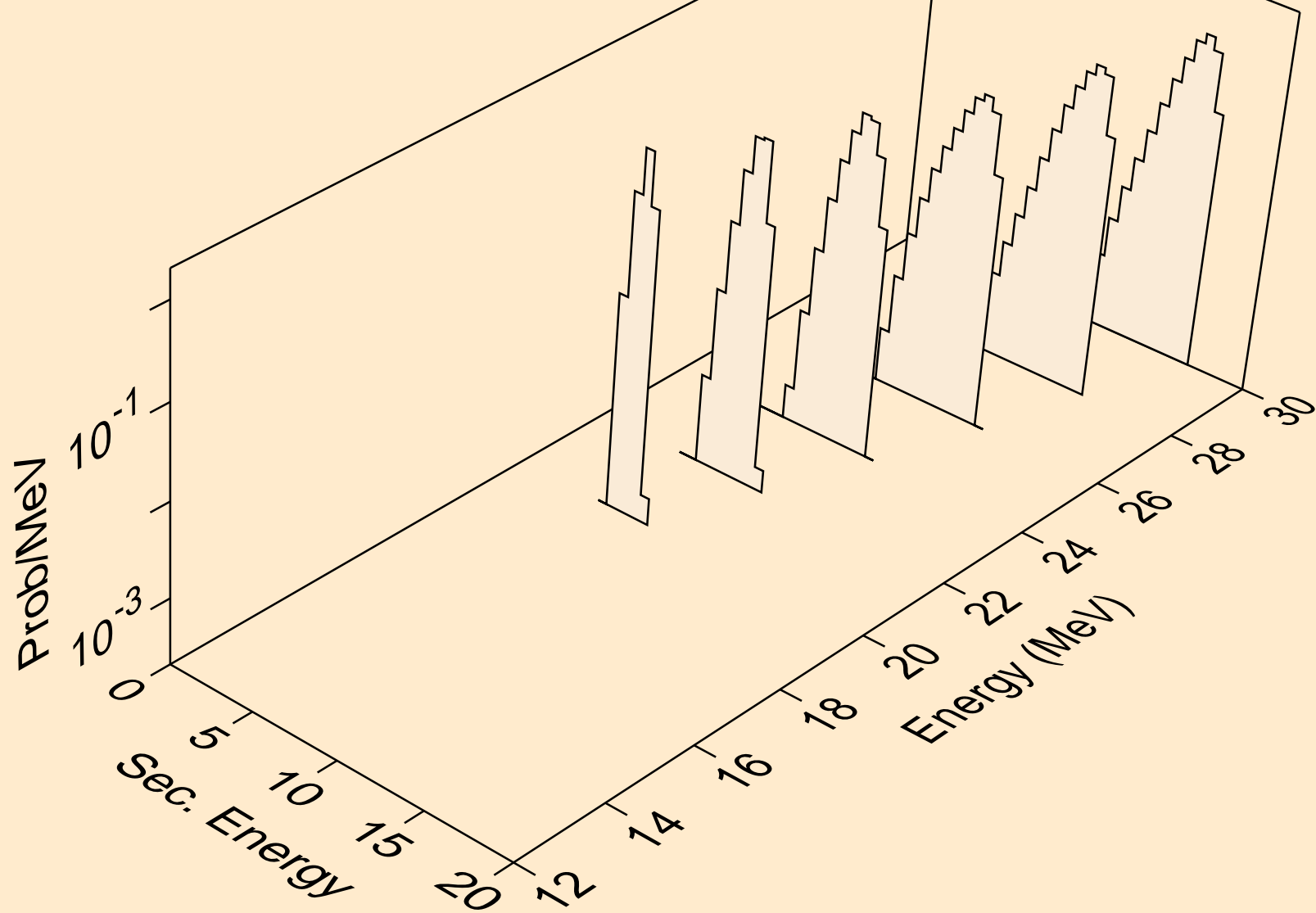




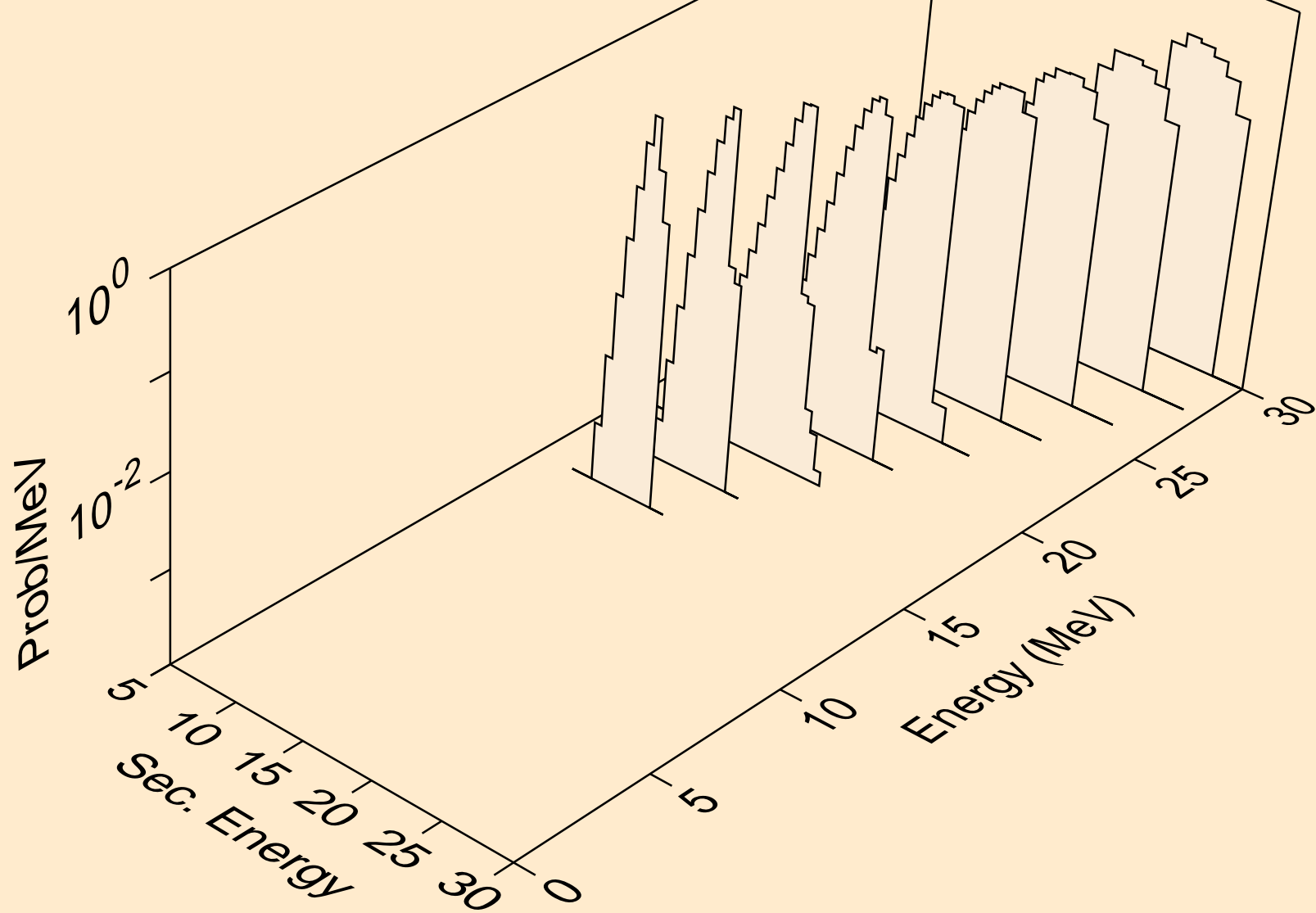
HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a



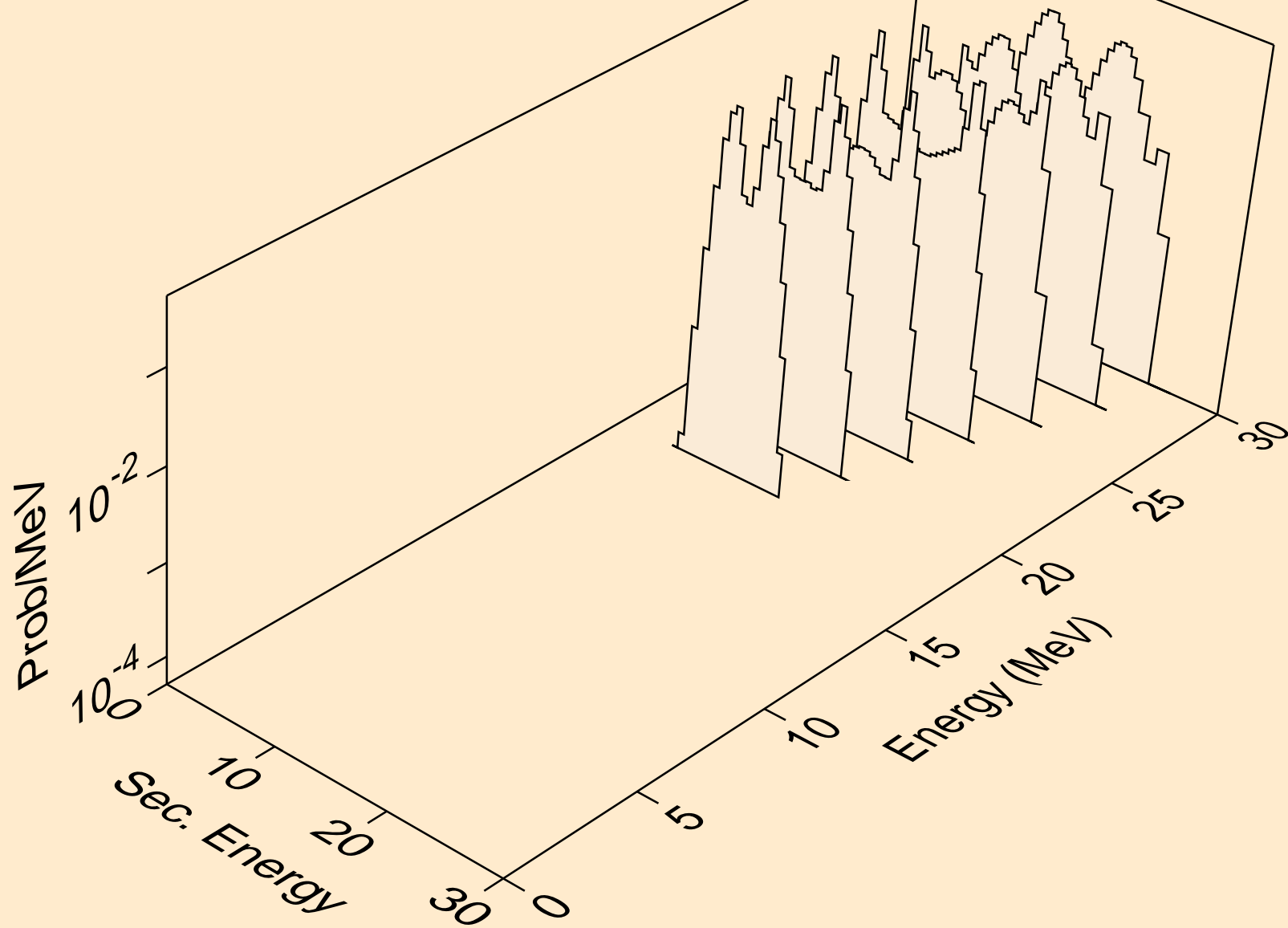
HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2n)a



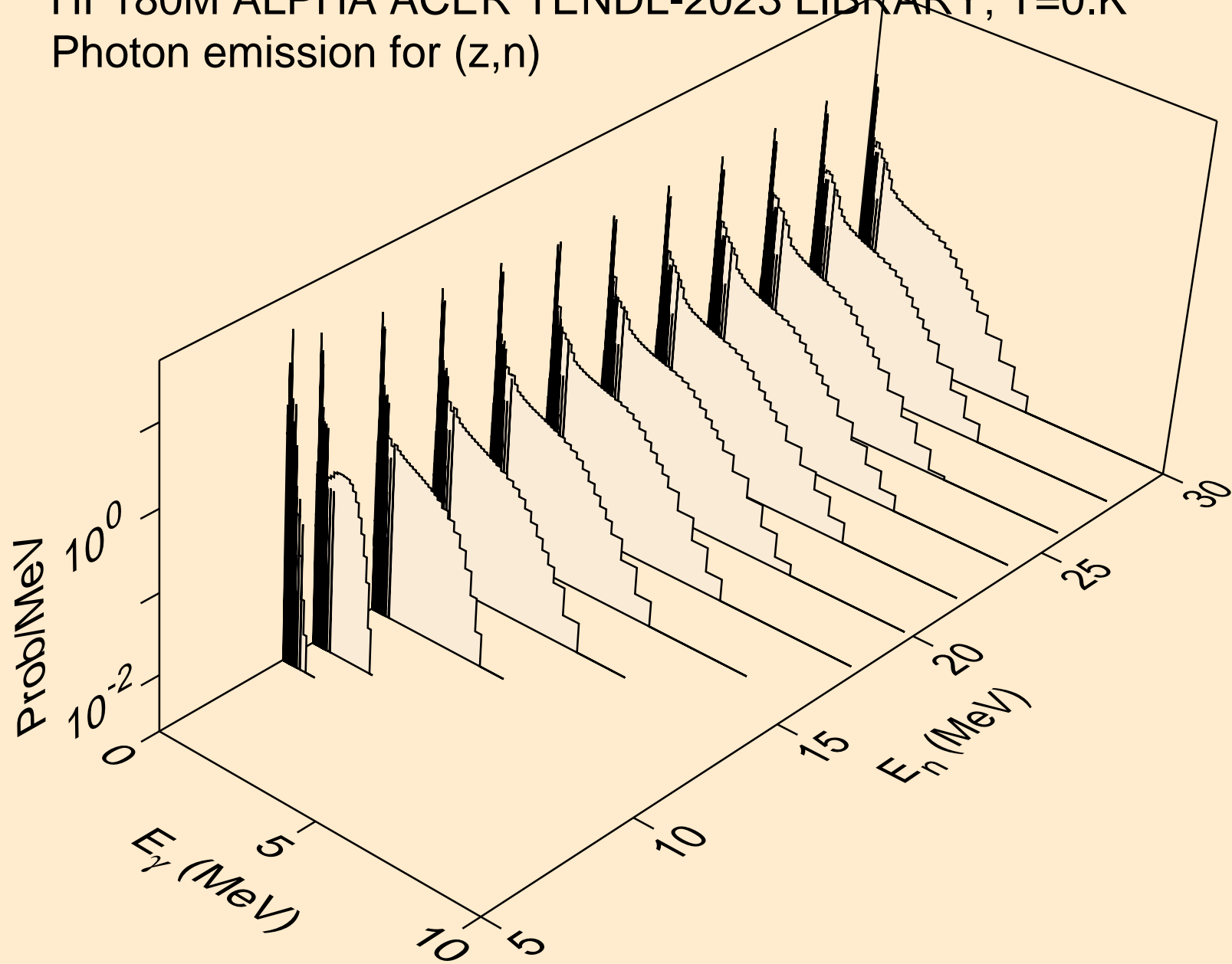
HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for inelastic



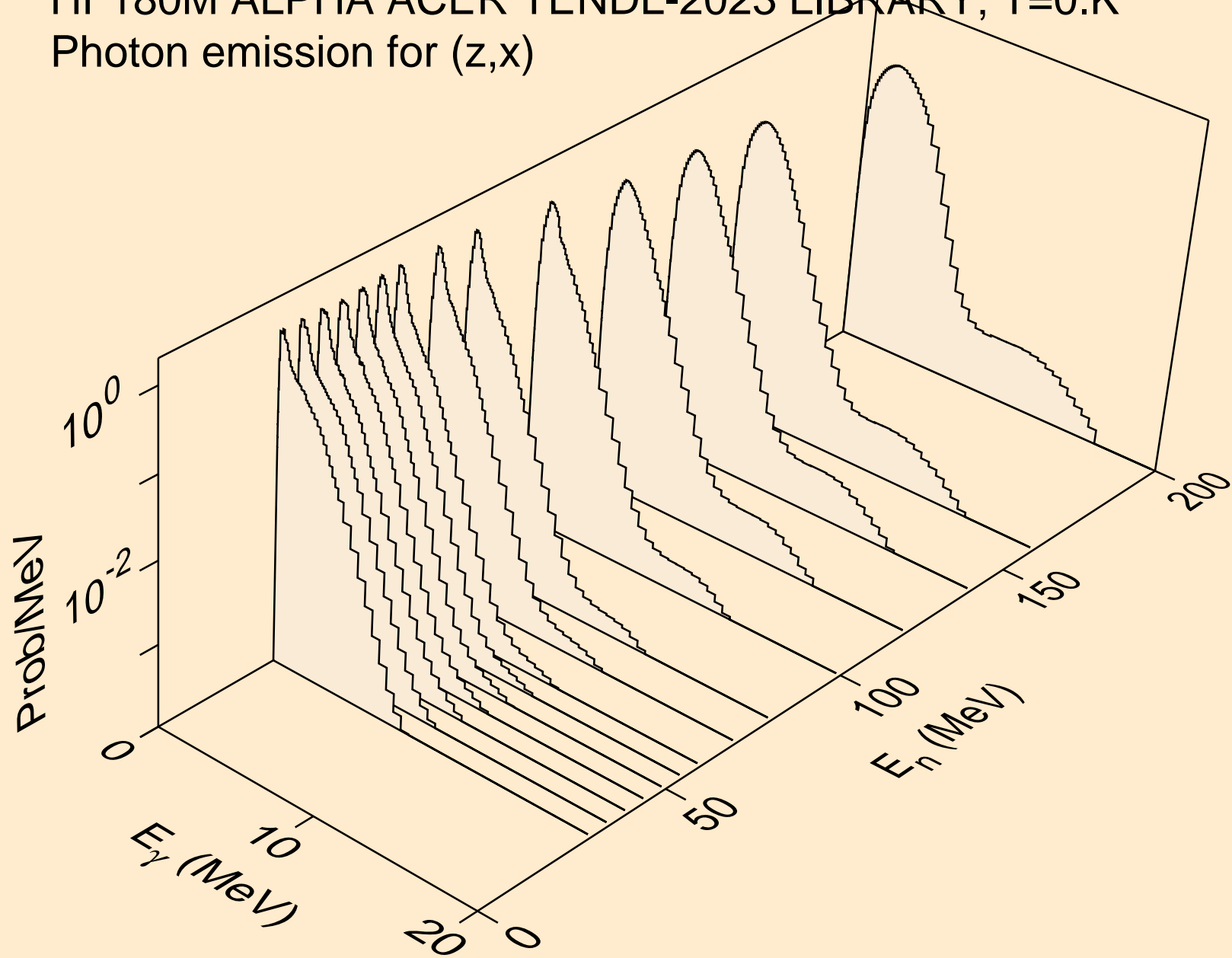
HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2a)



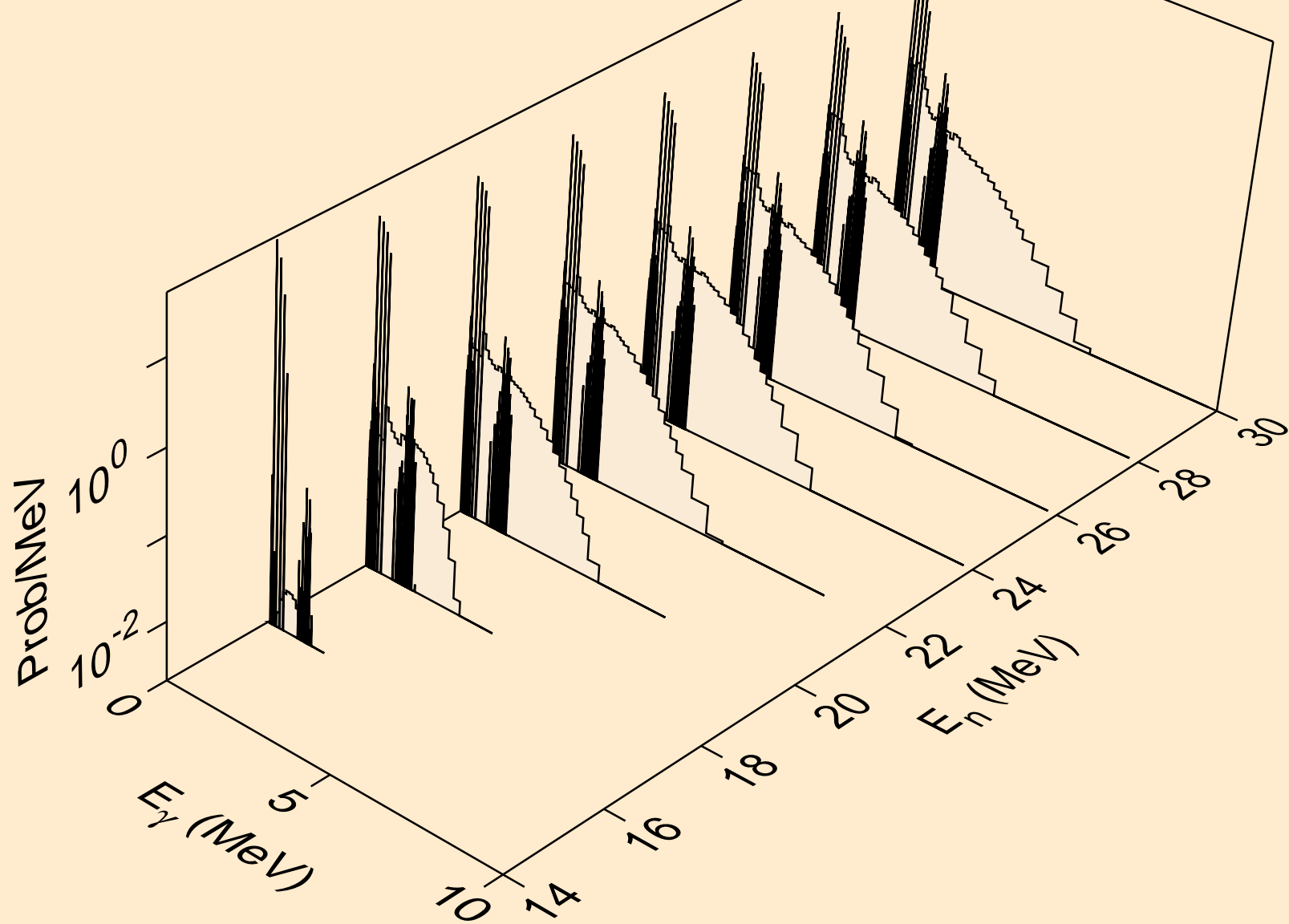
HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



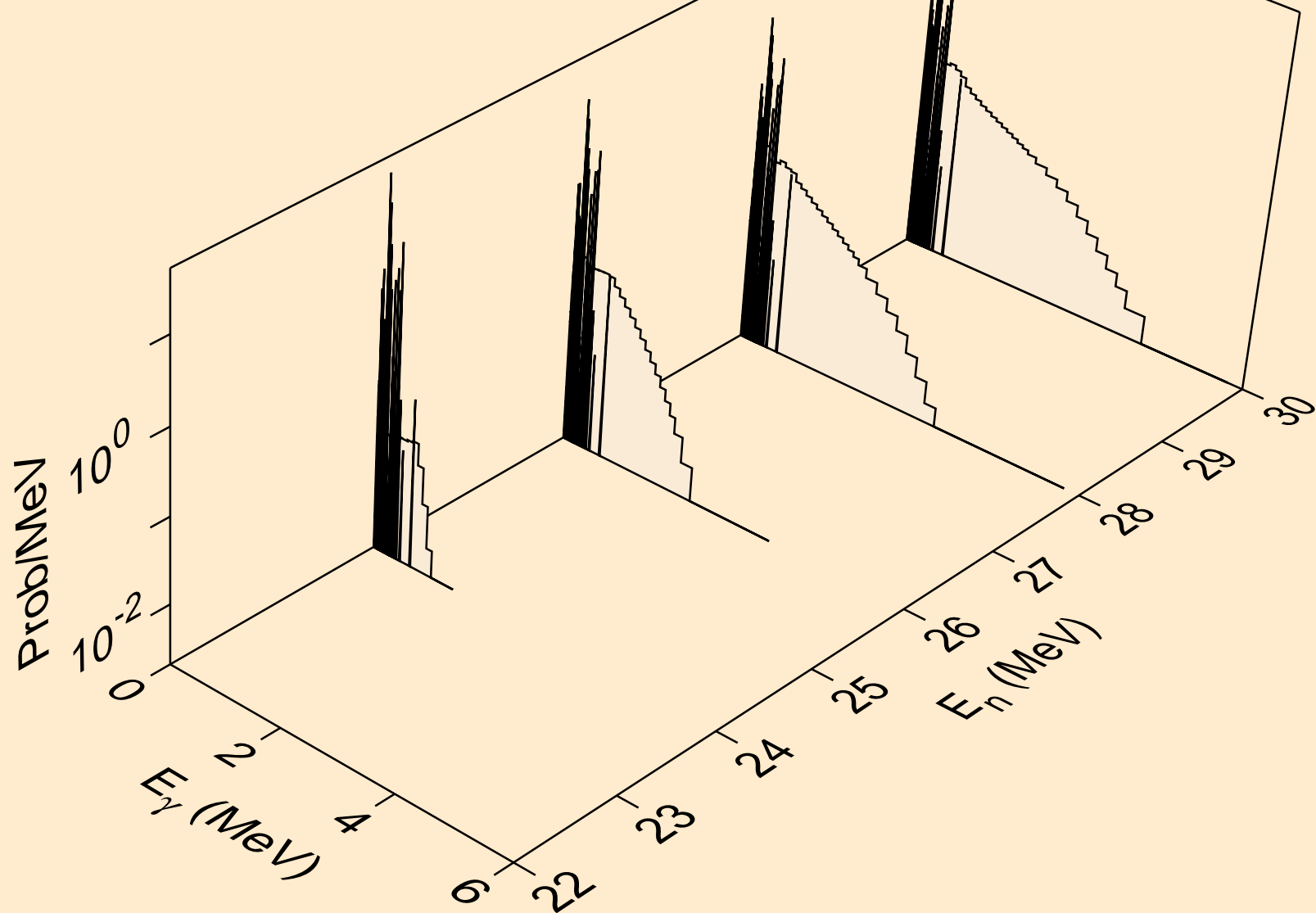
HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

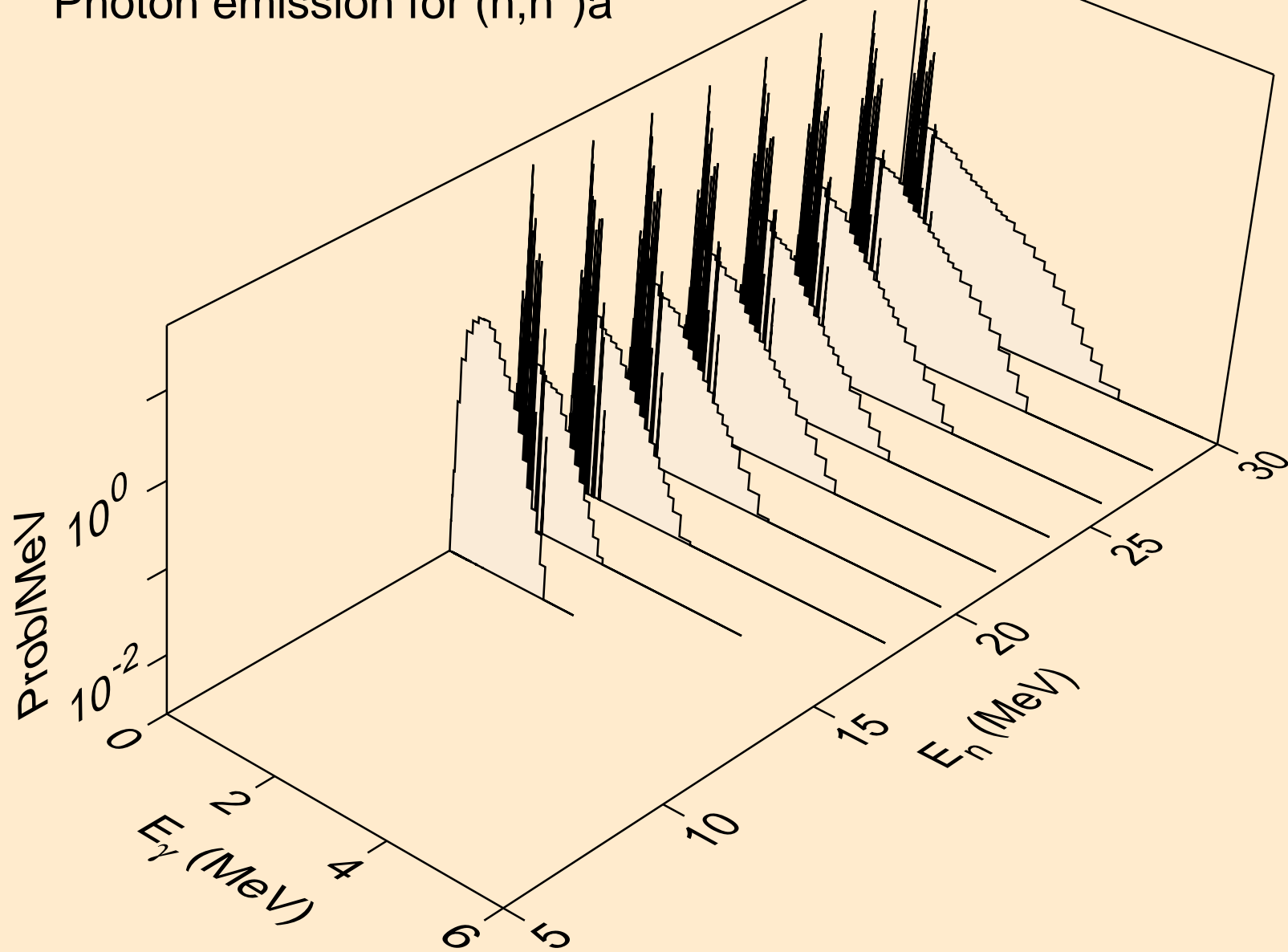


HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)

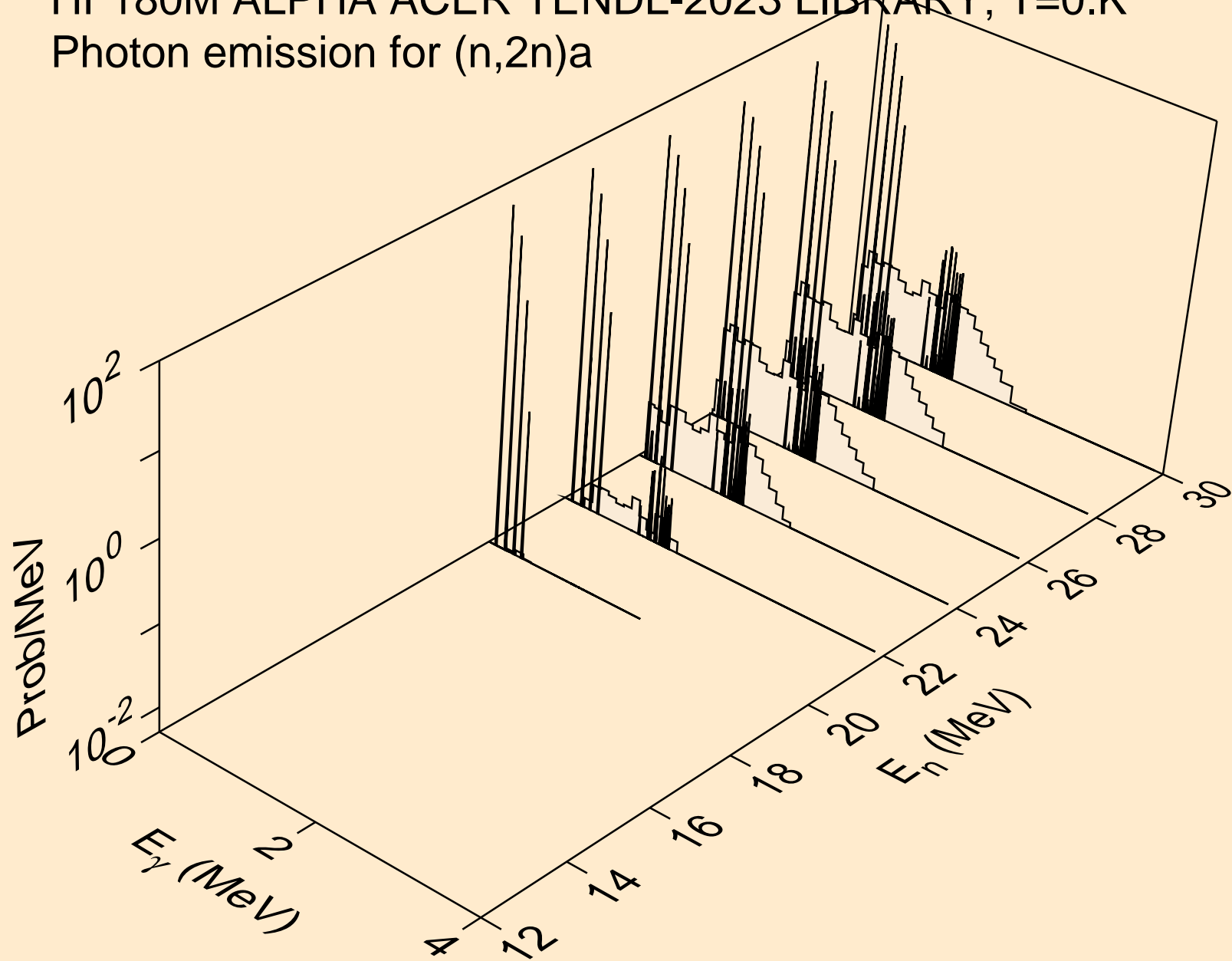




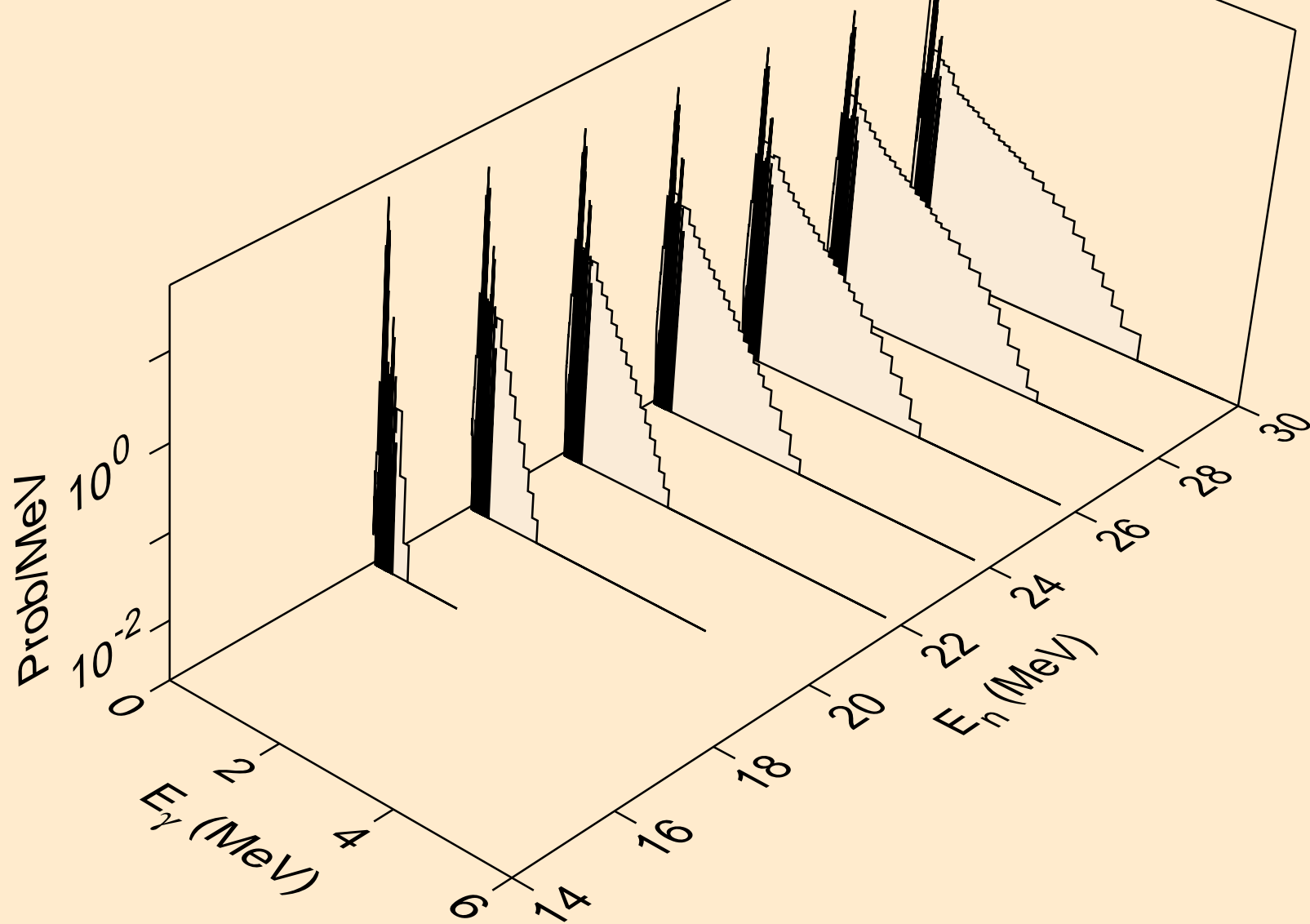
HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



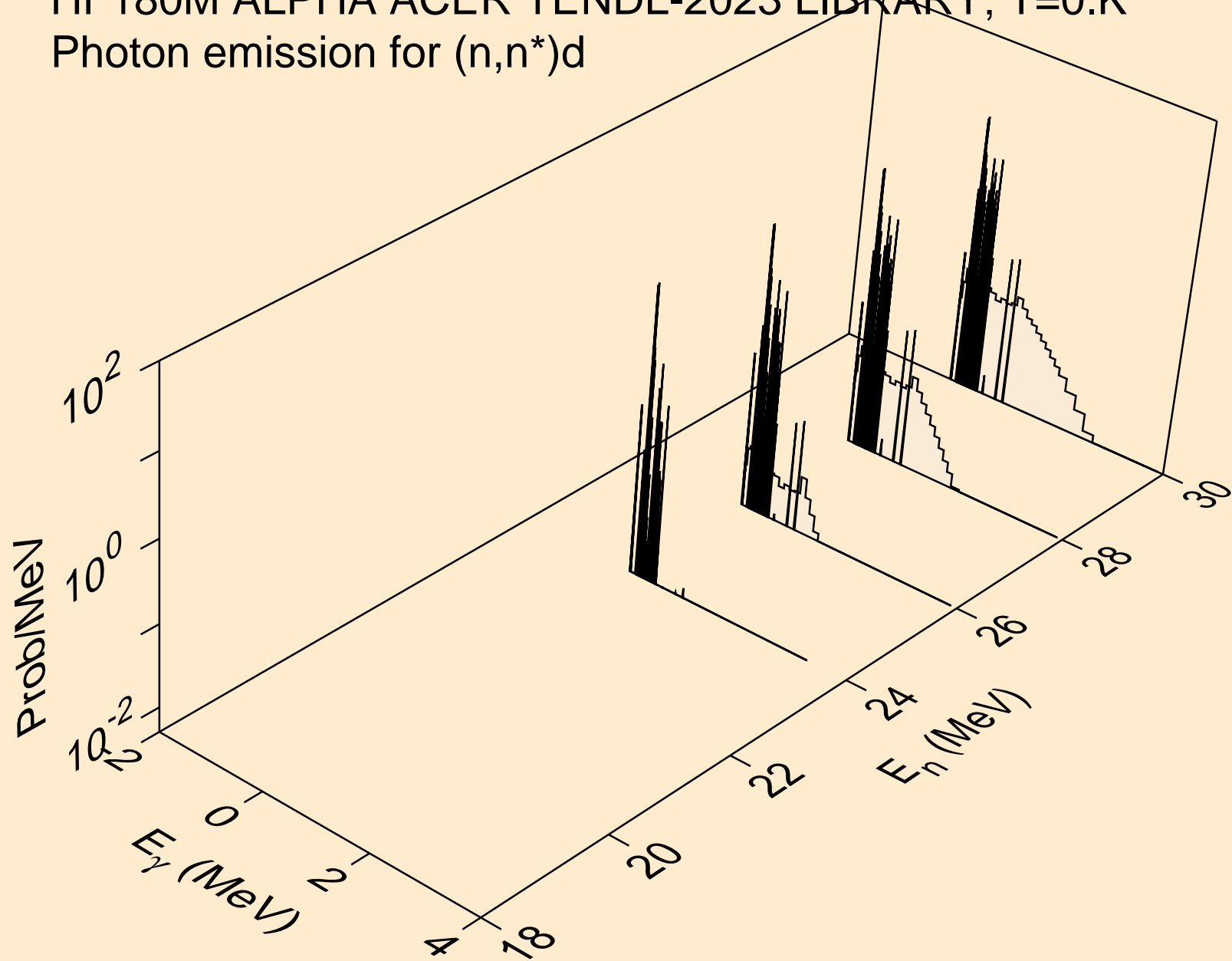
HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



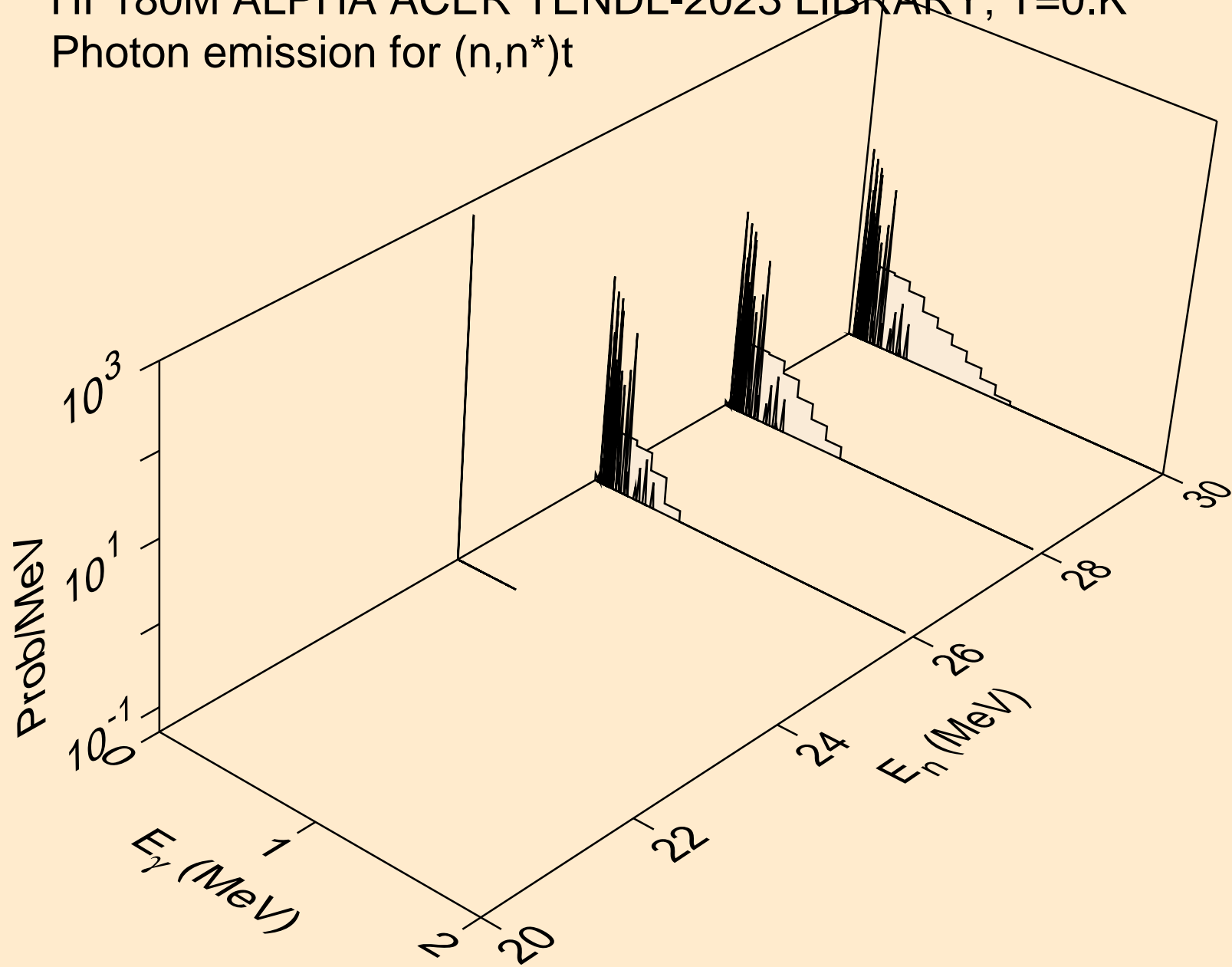
HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



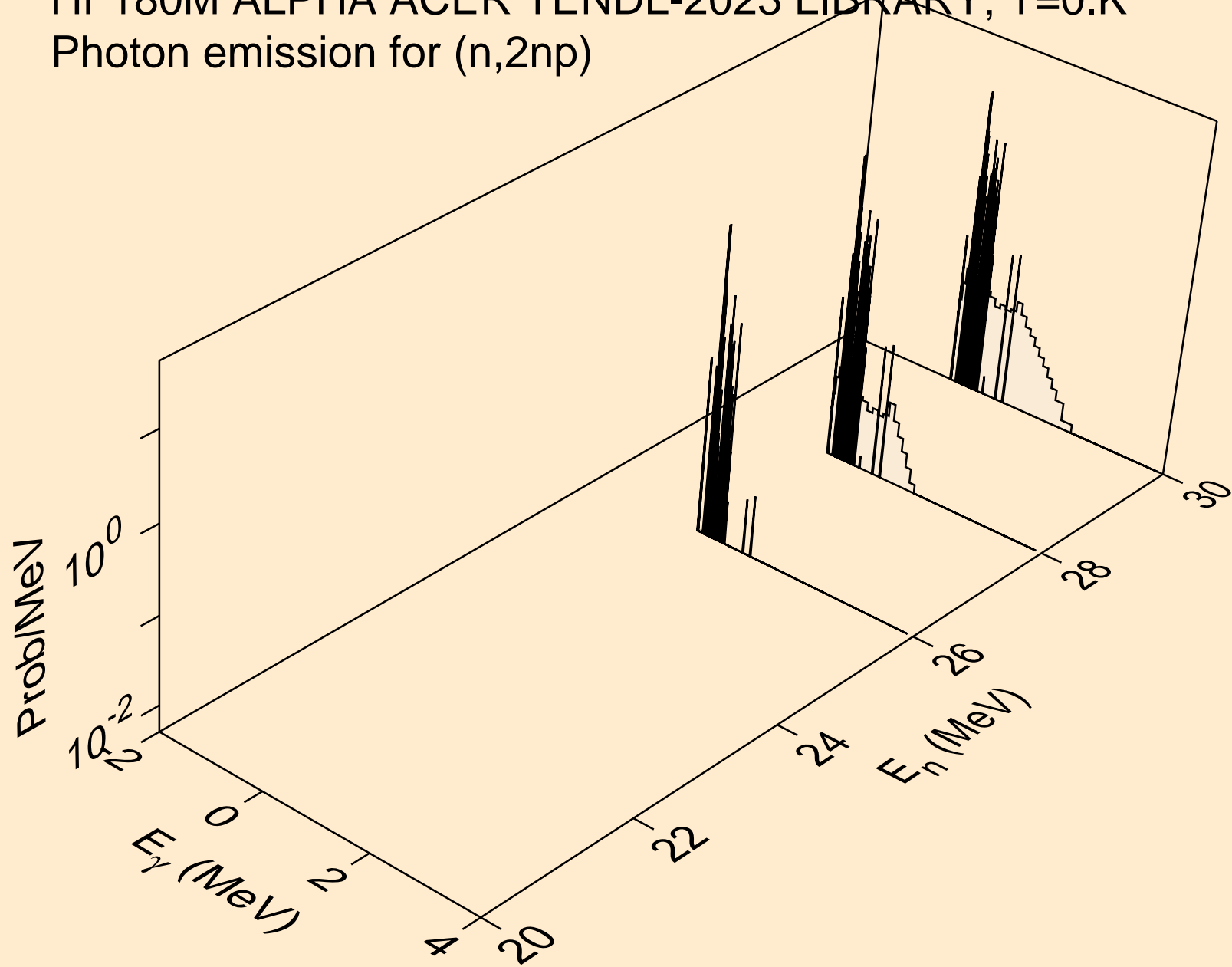
HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



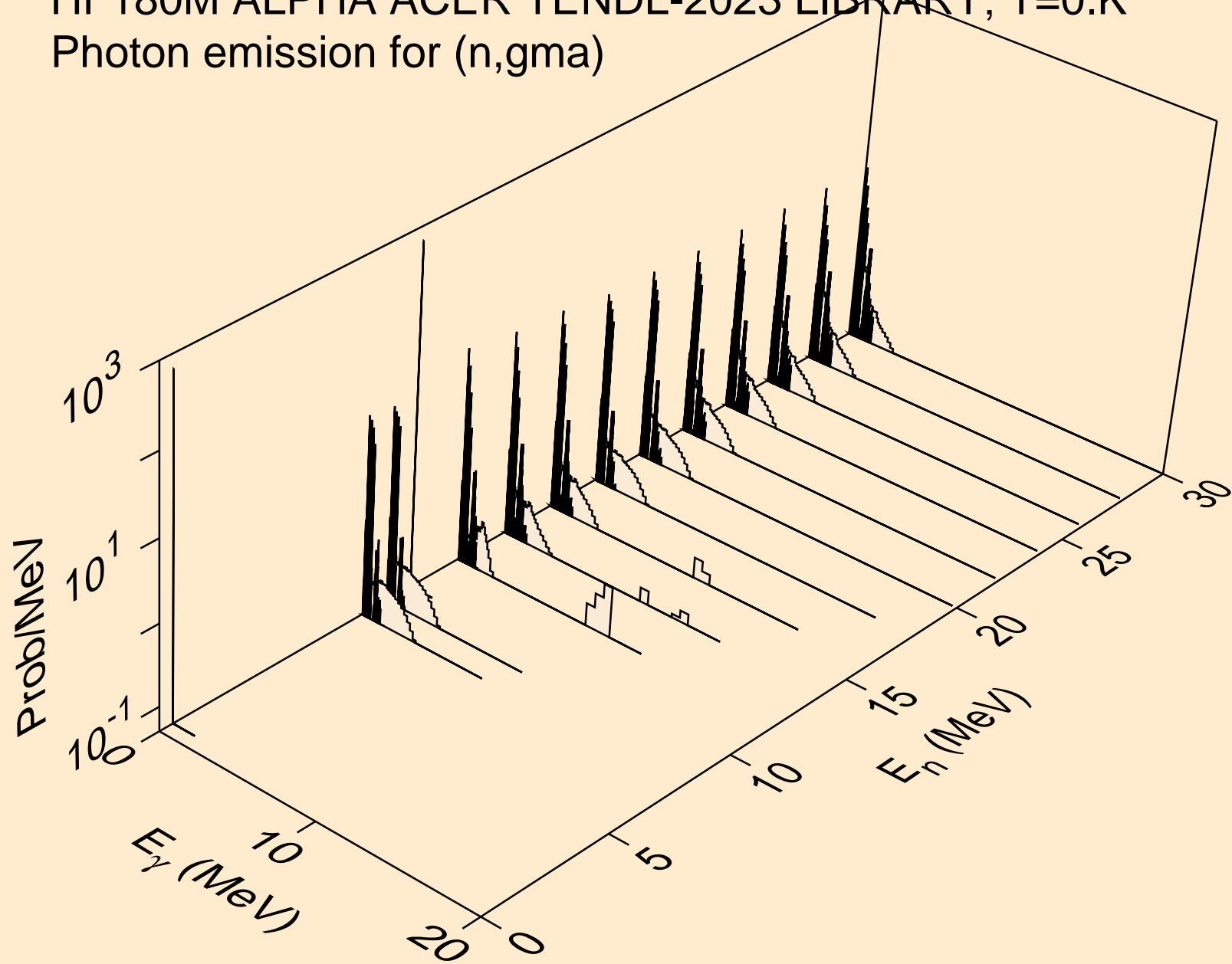
HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



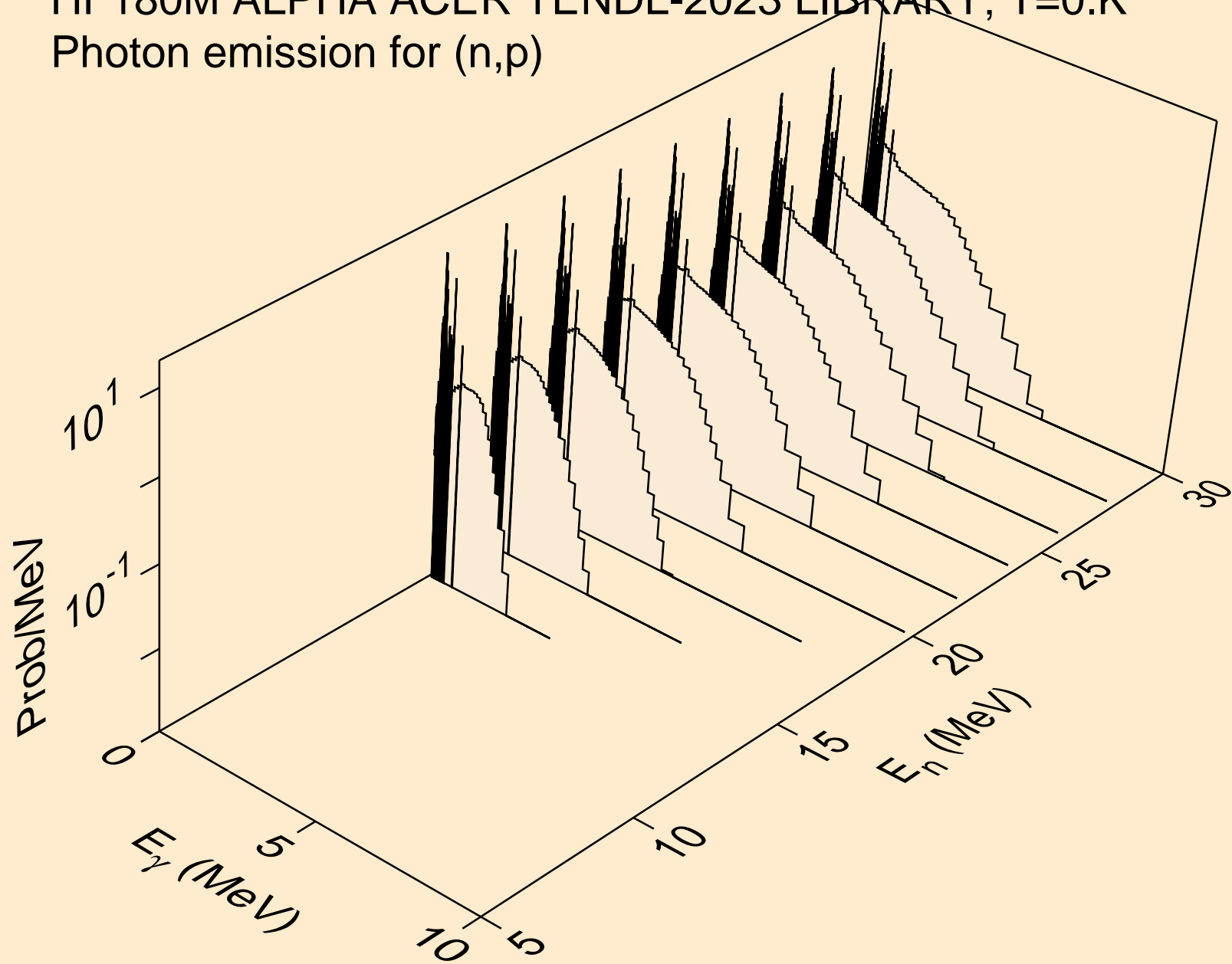
HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)

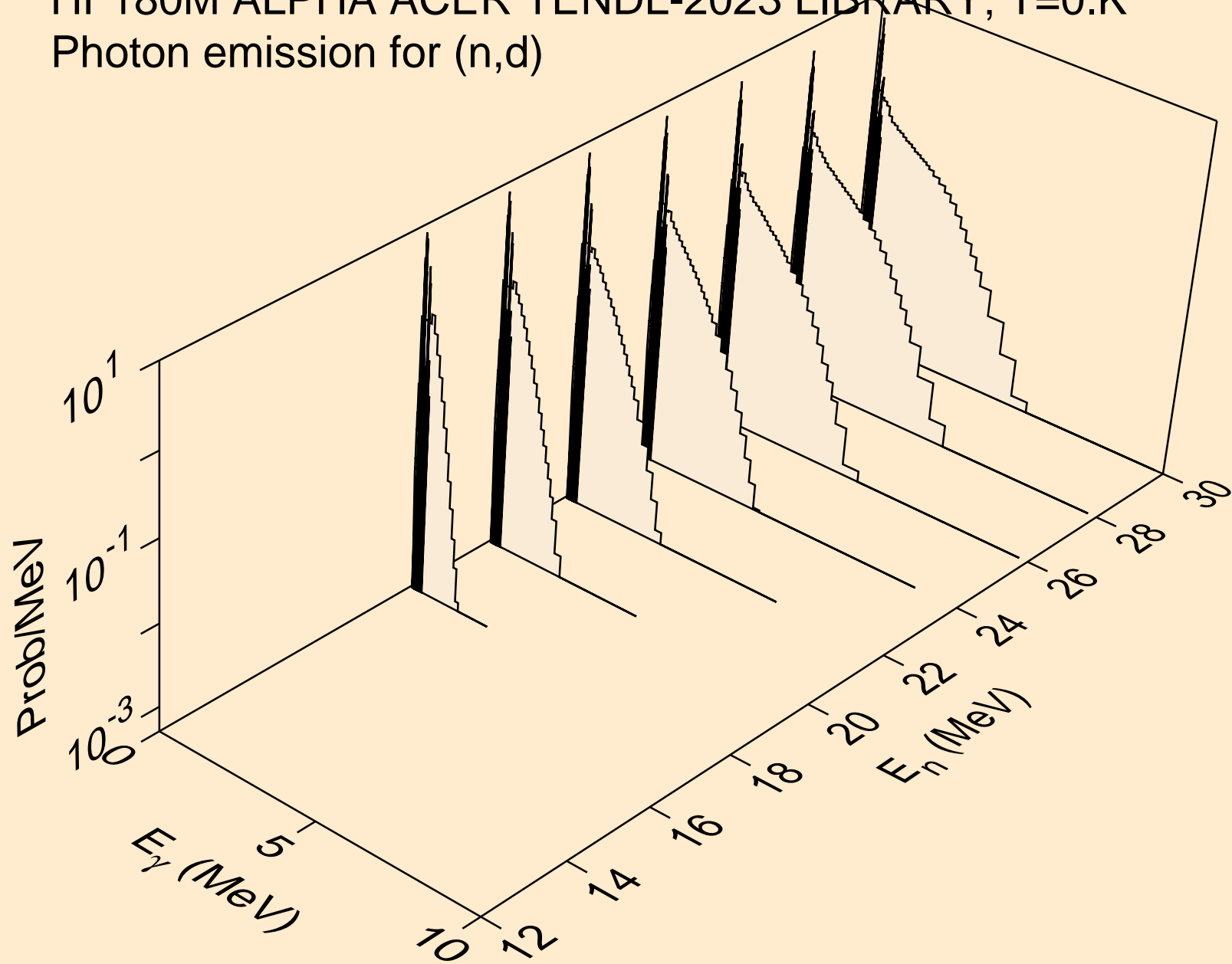


HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)

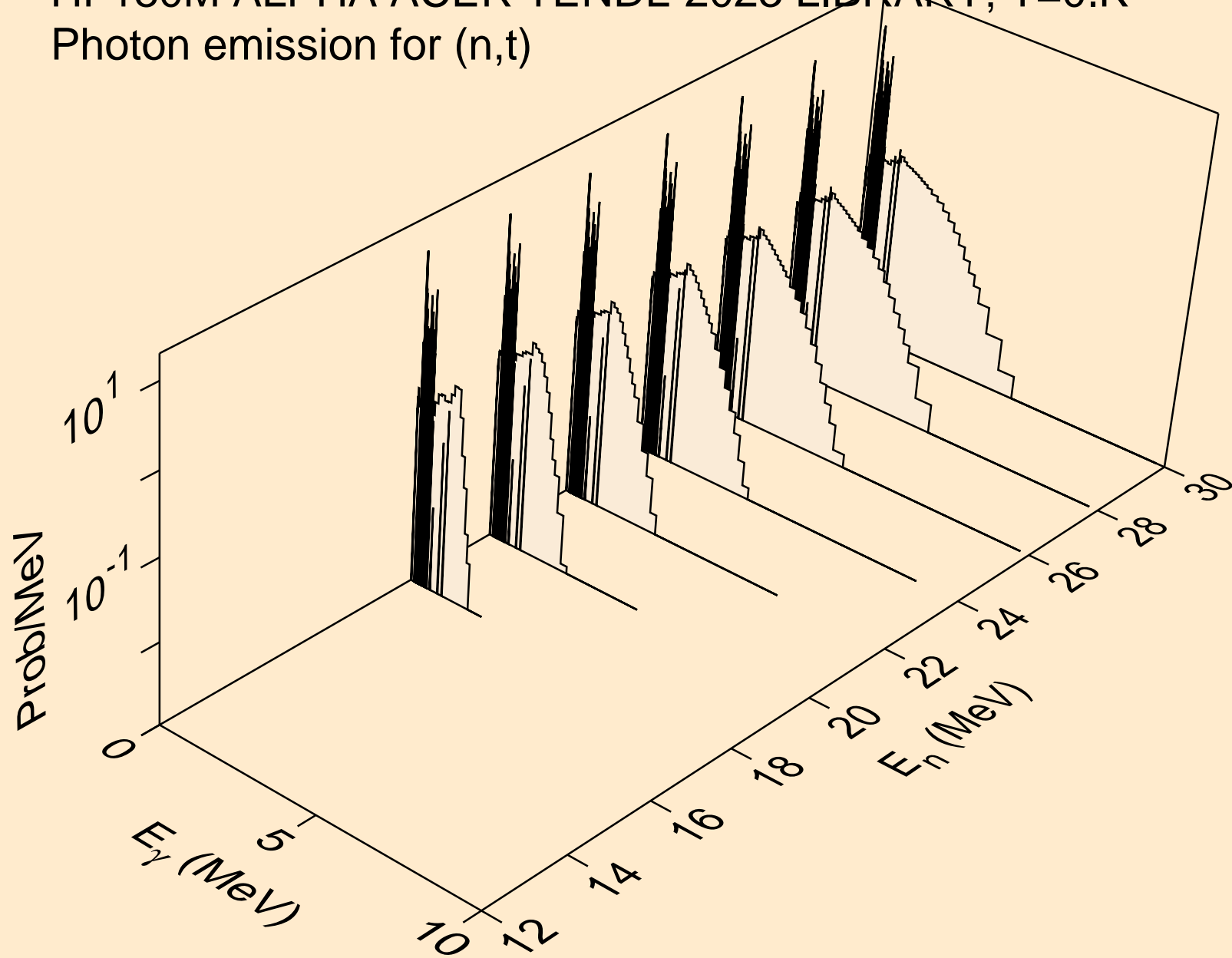




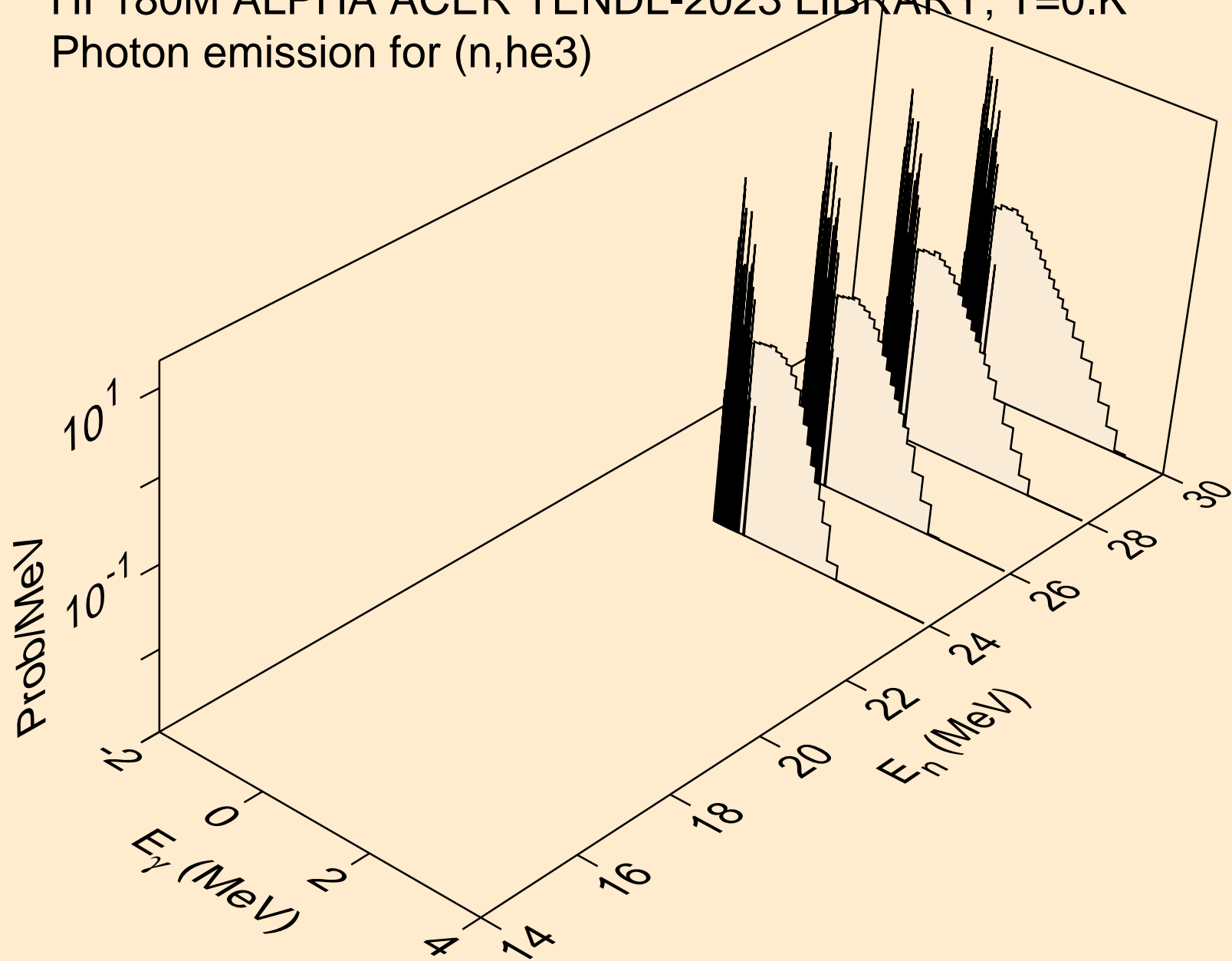
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Photon emission for (n,d)



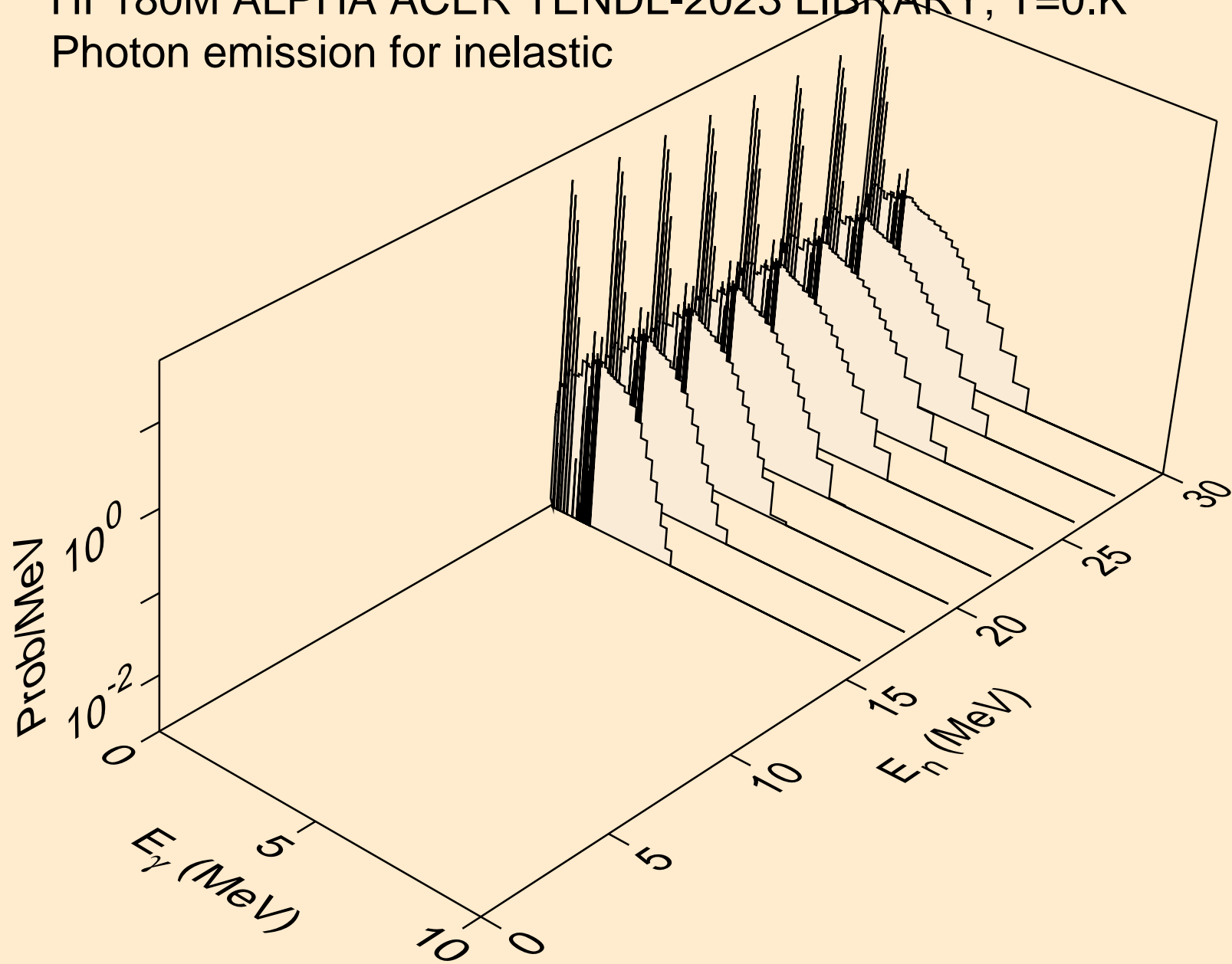
HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



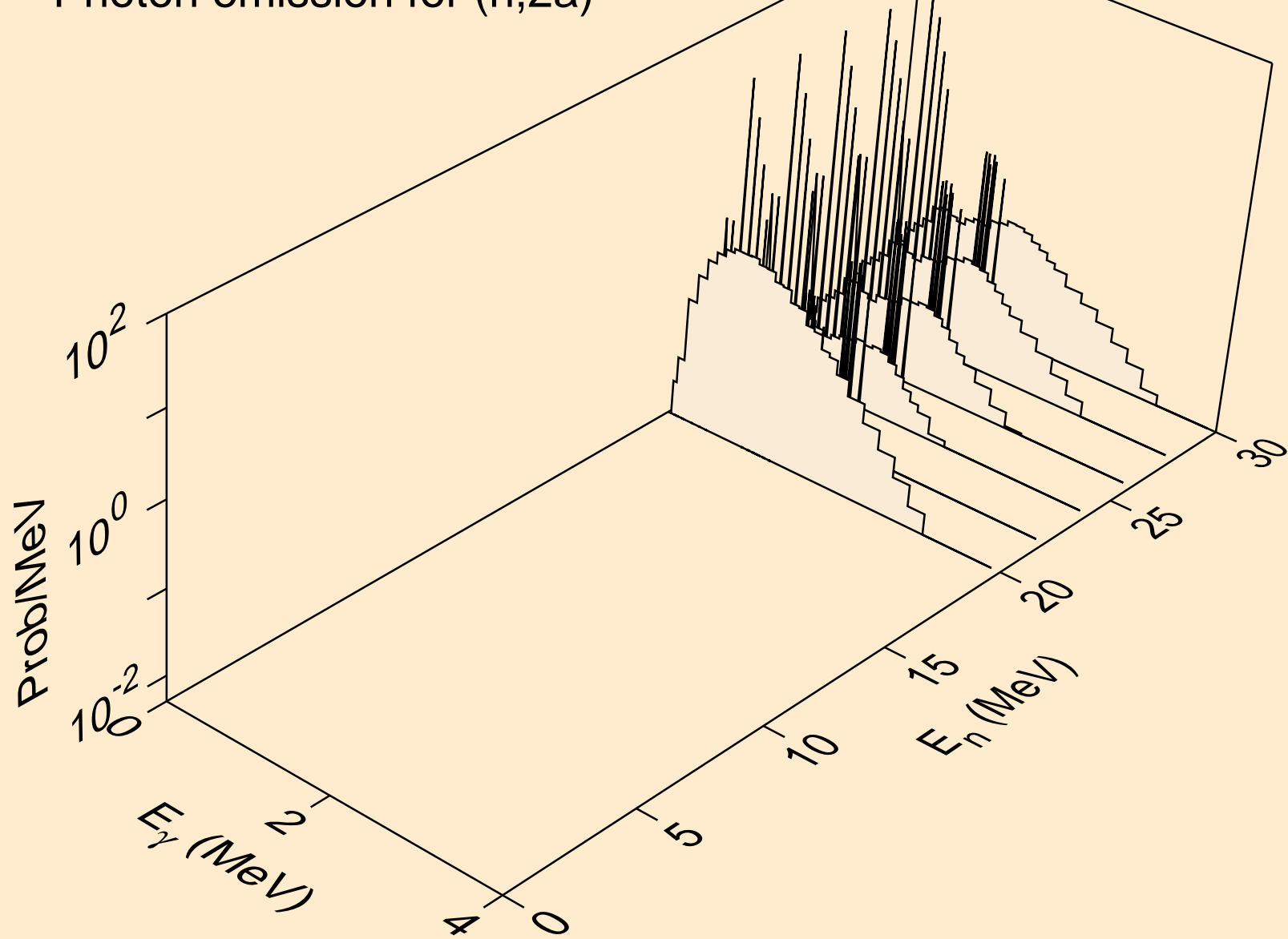
HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic

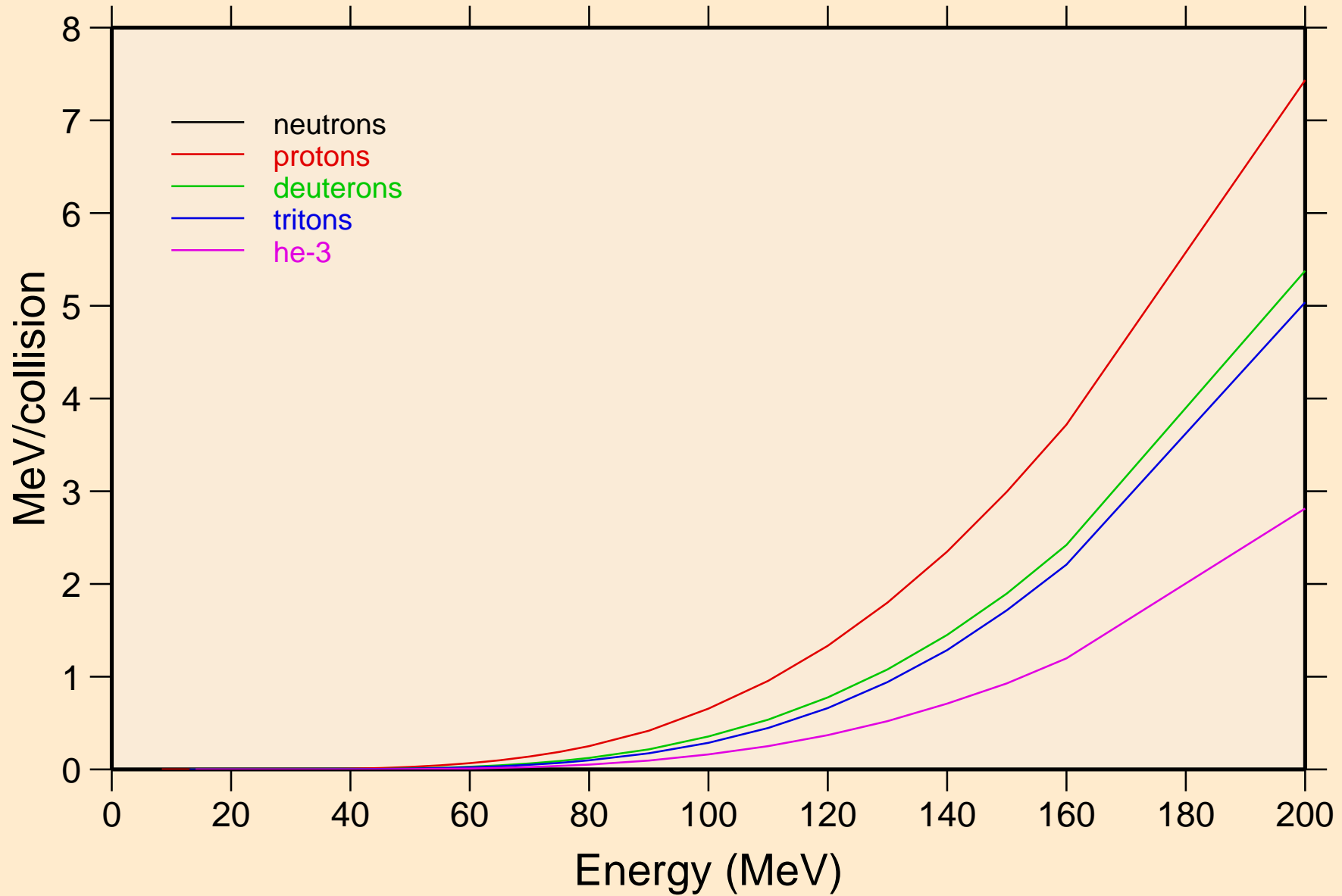


HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)

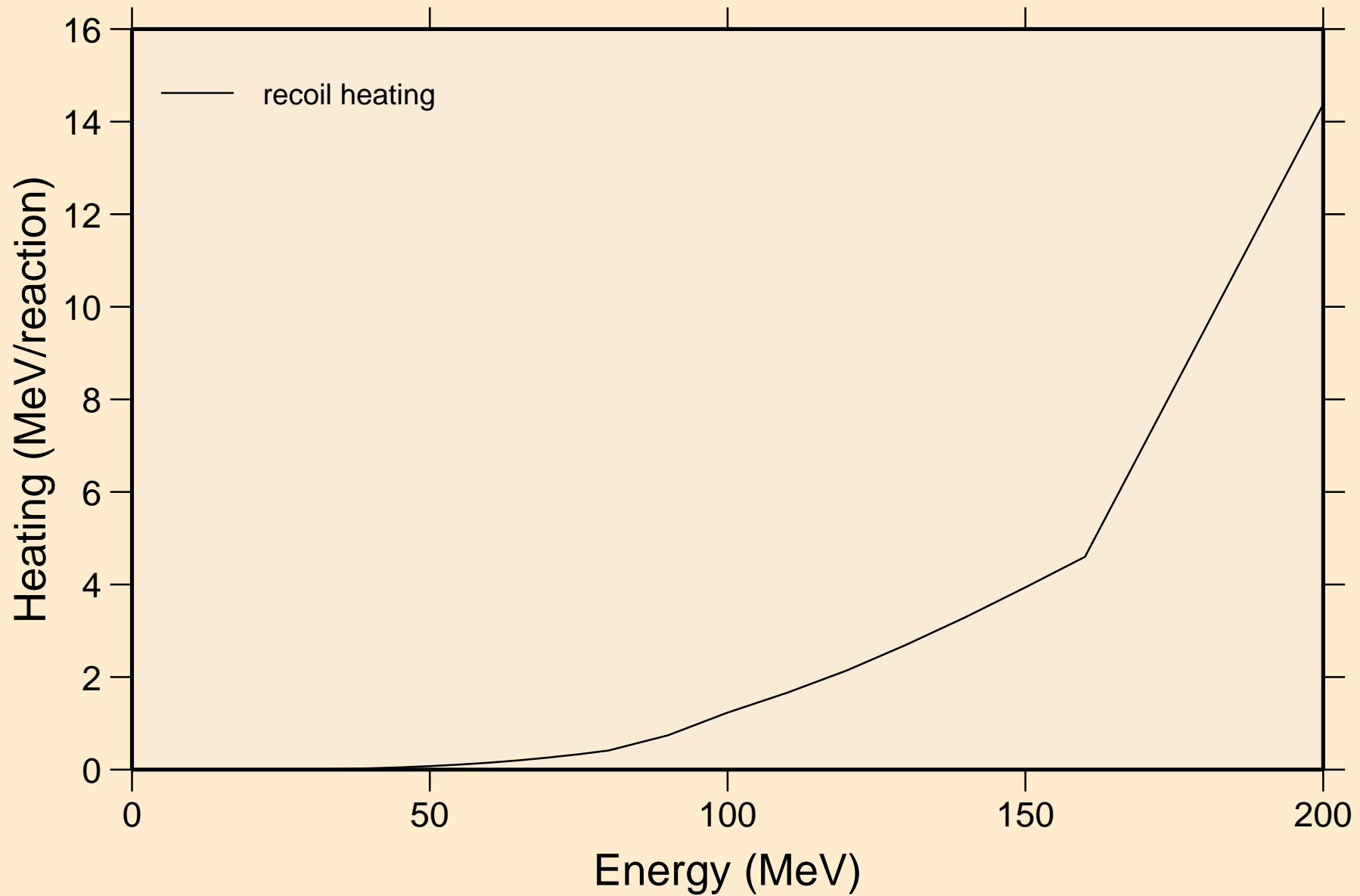


# HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

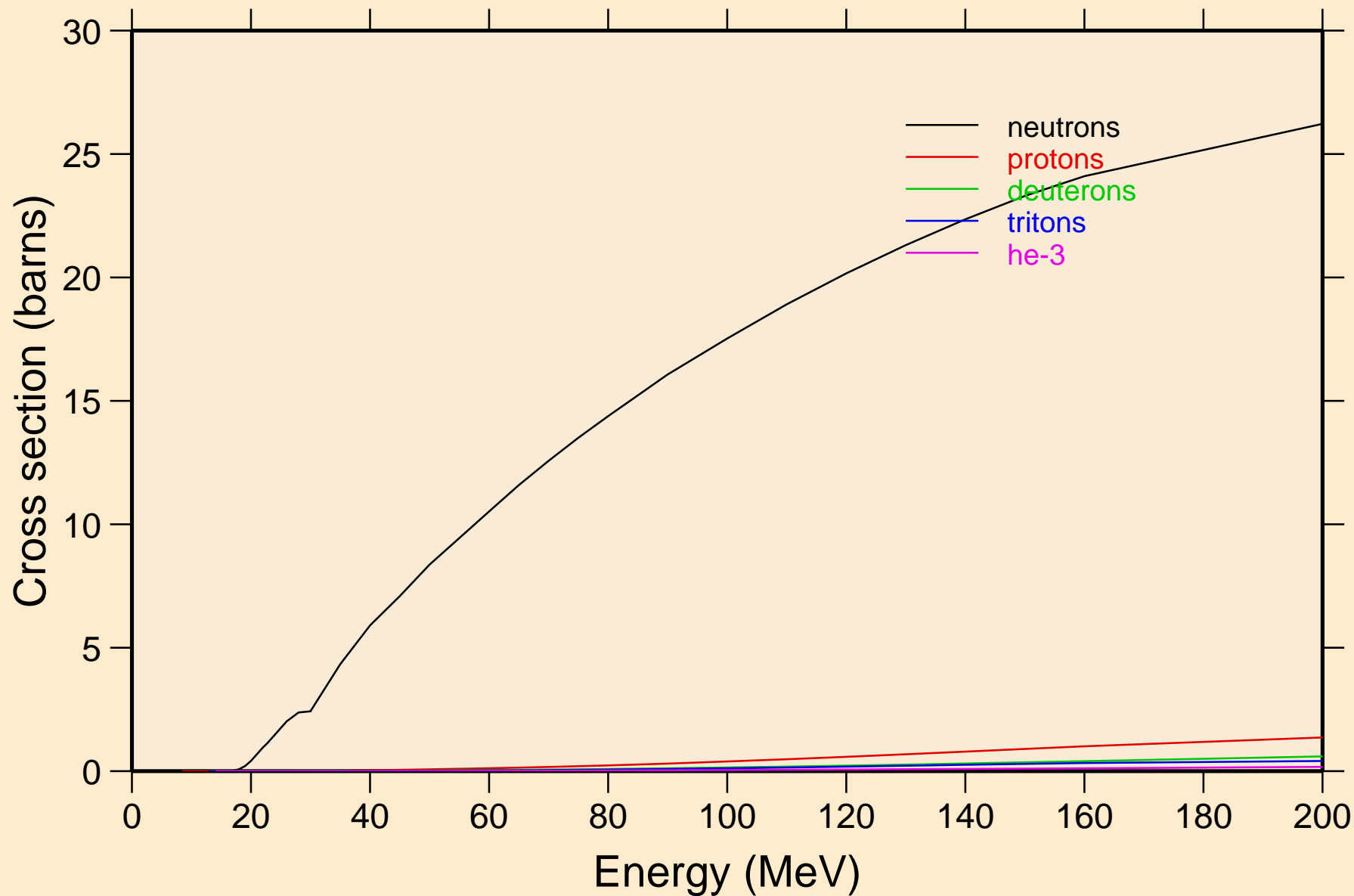
## Particle heating contributions



HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

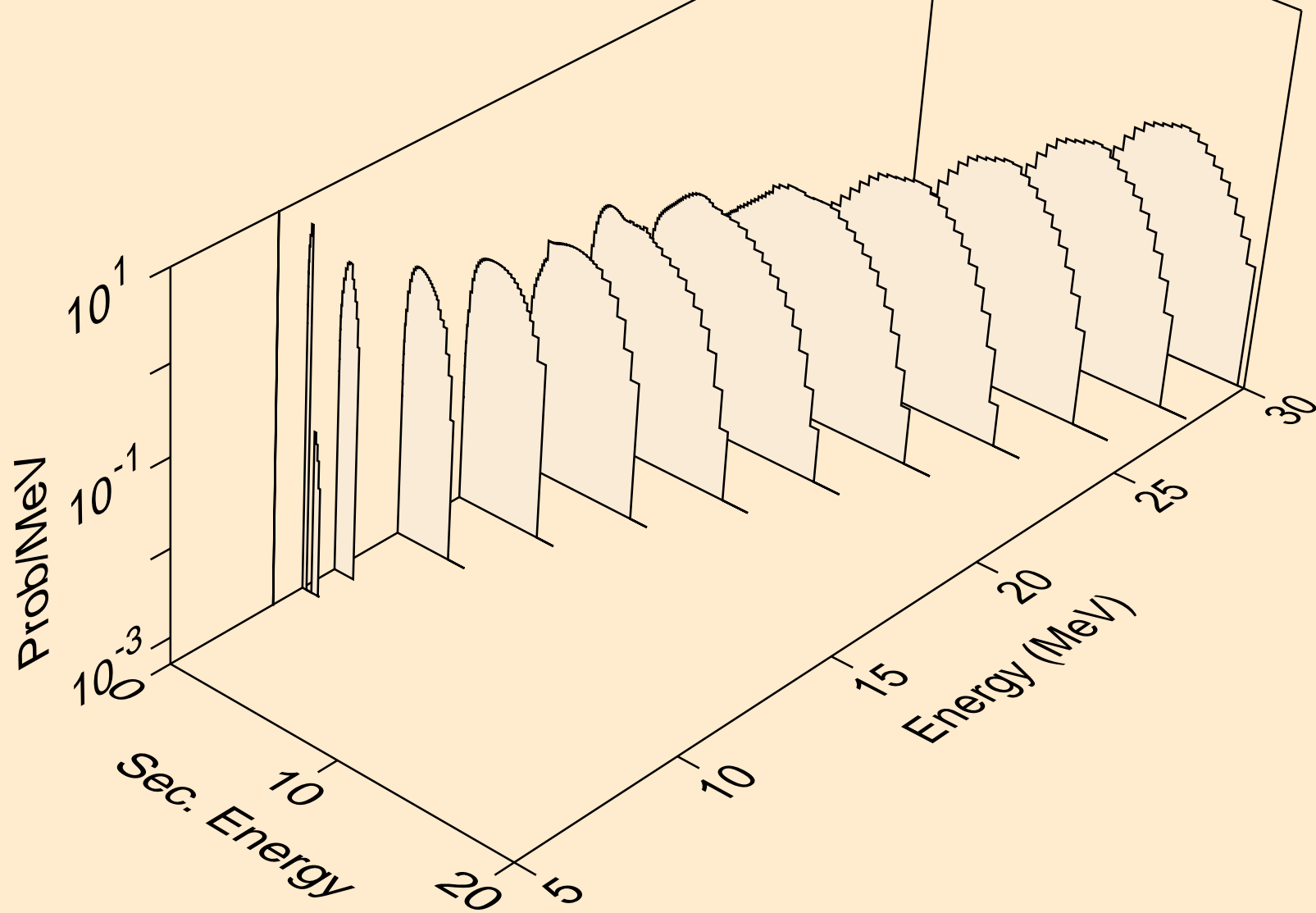


HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections

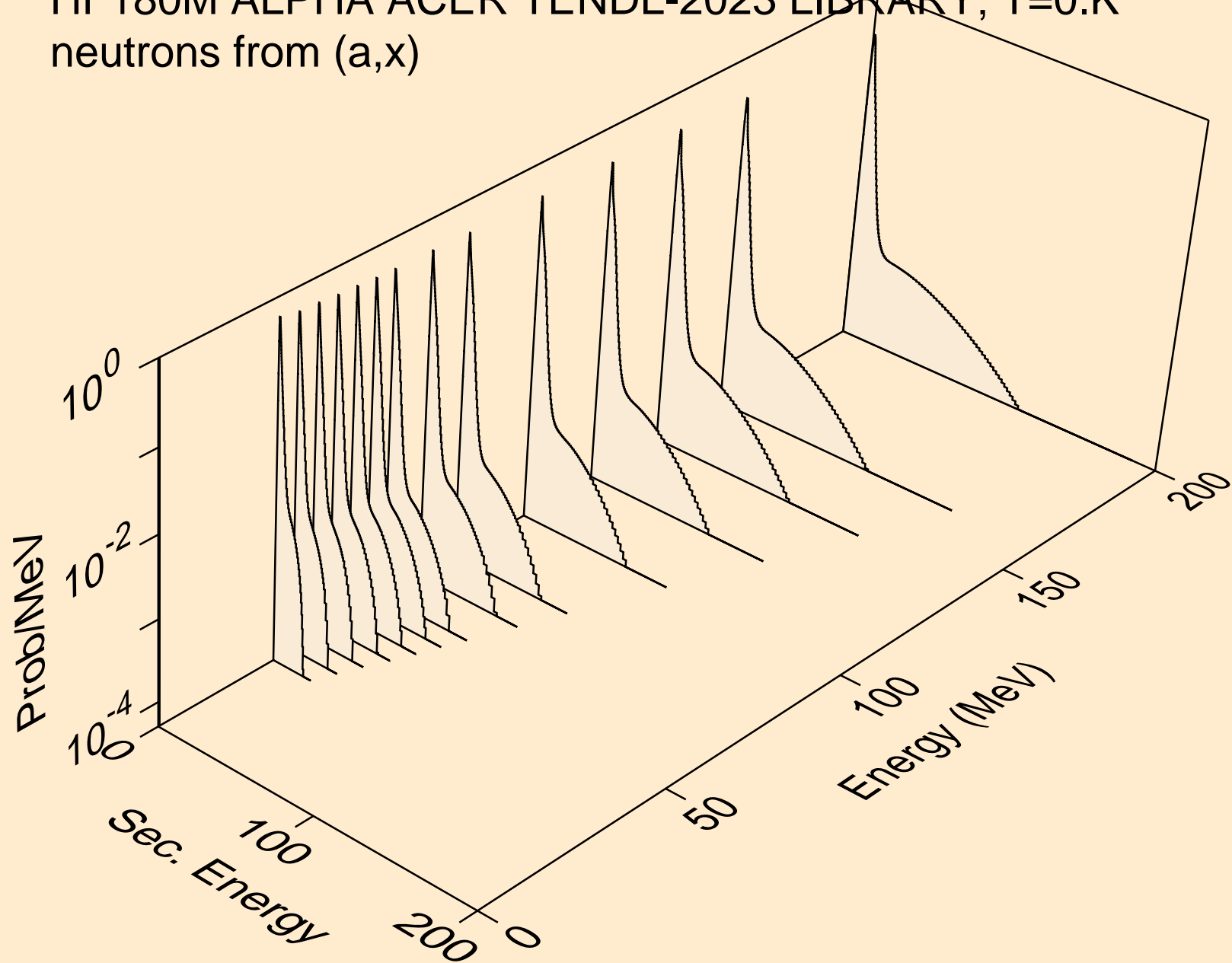




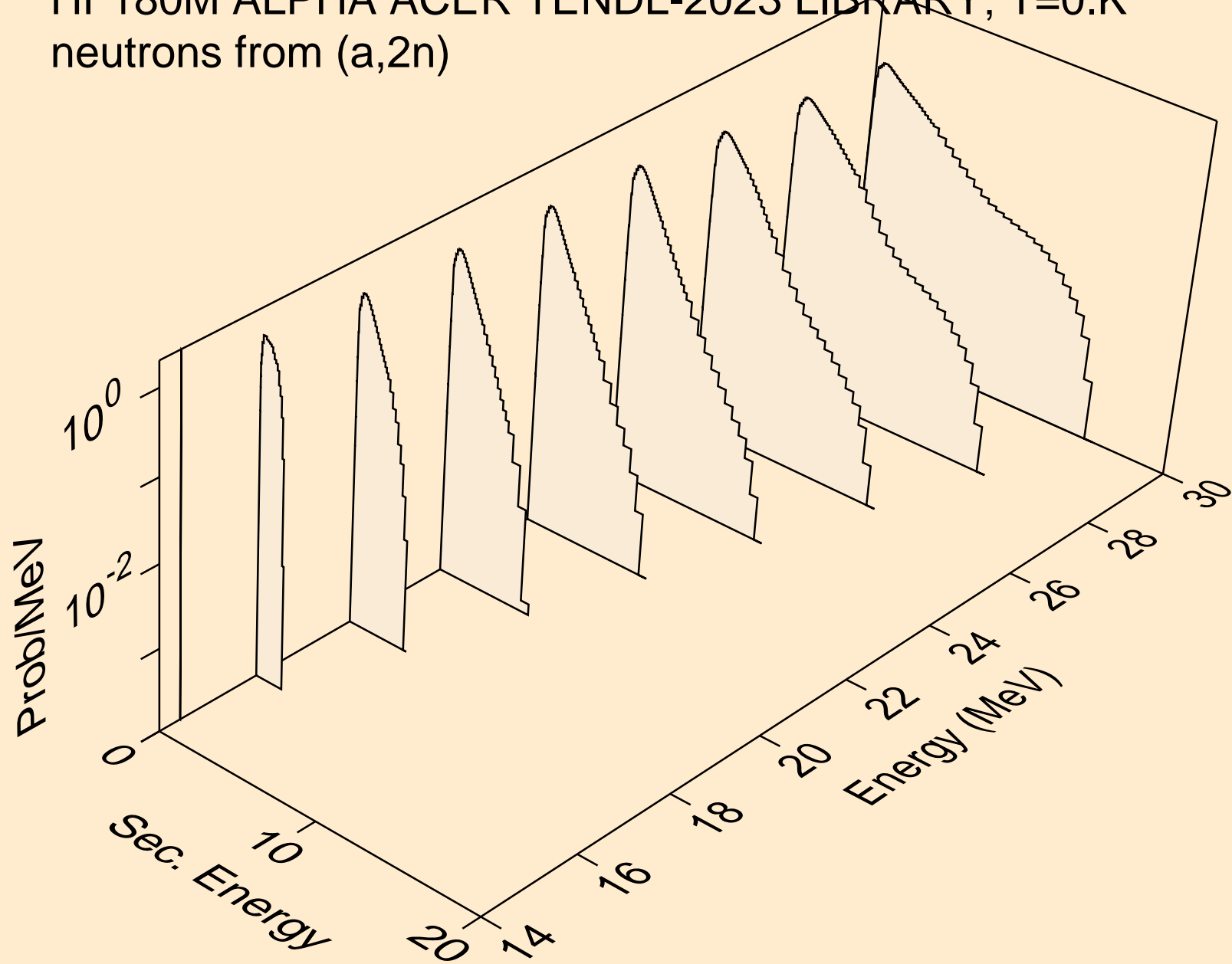
HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n)



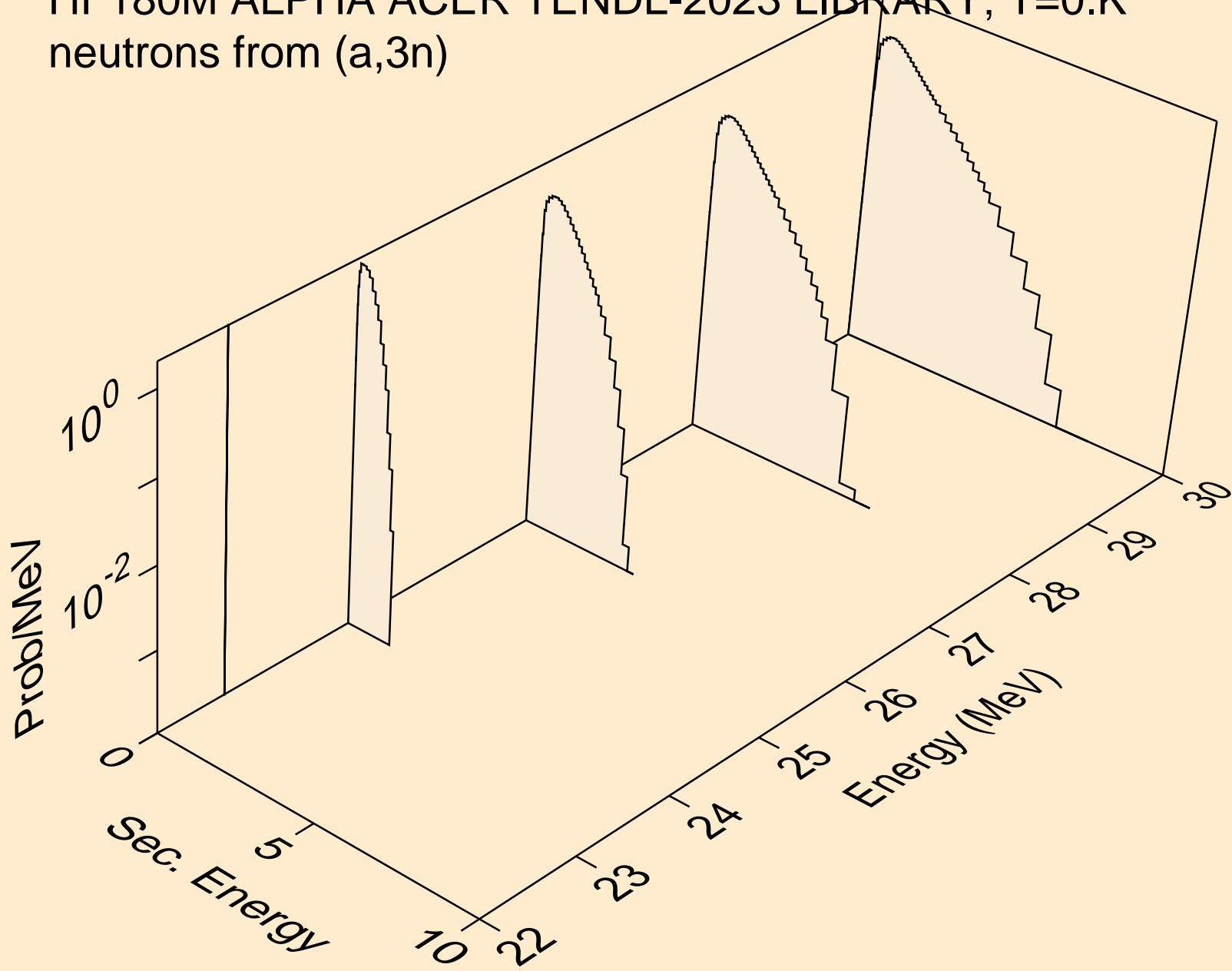
HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,x)



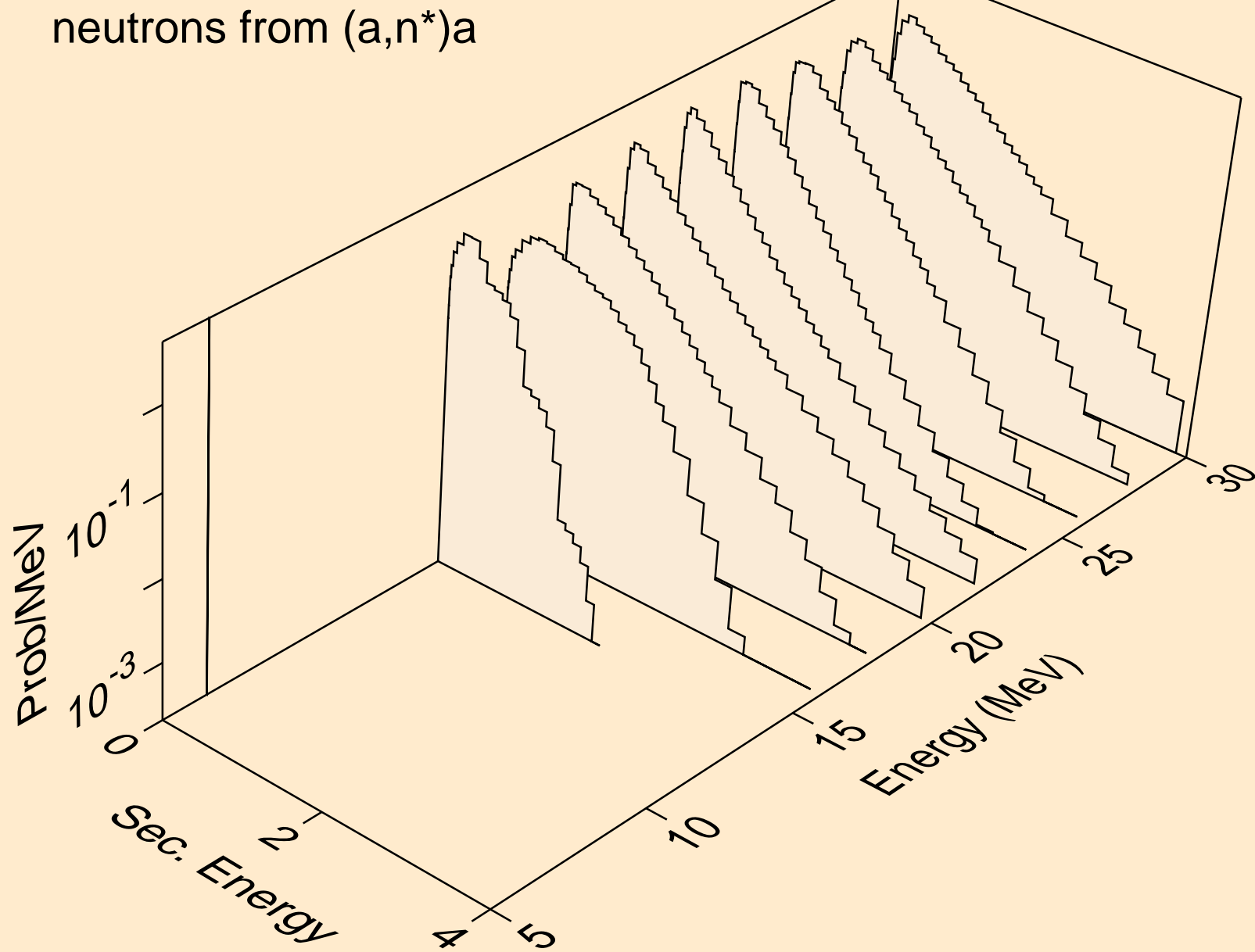
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neutrons from (a,2n)



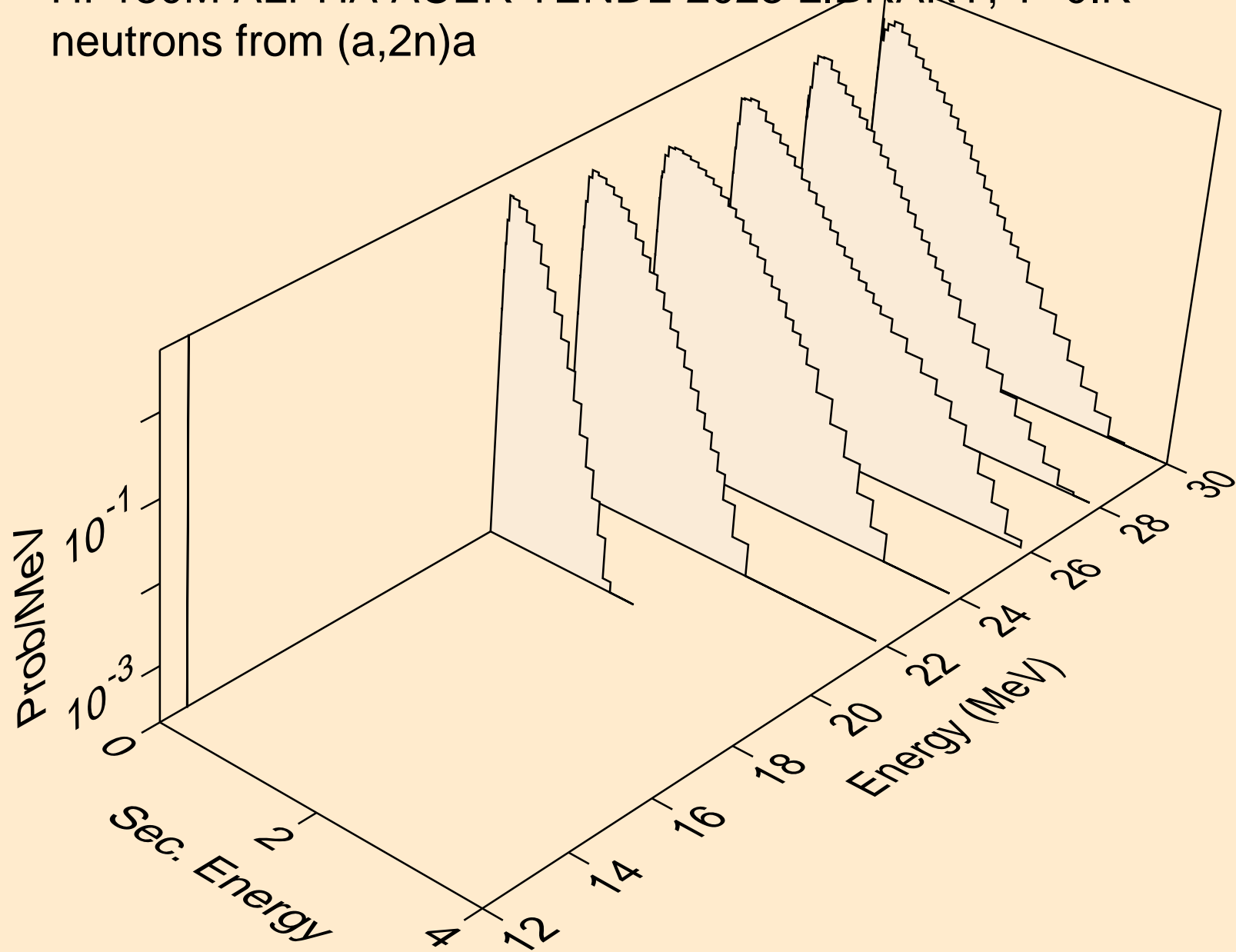
HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,3n)



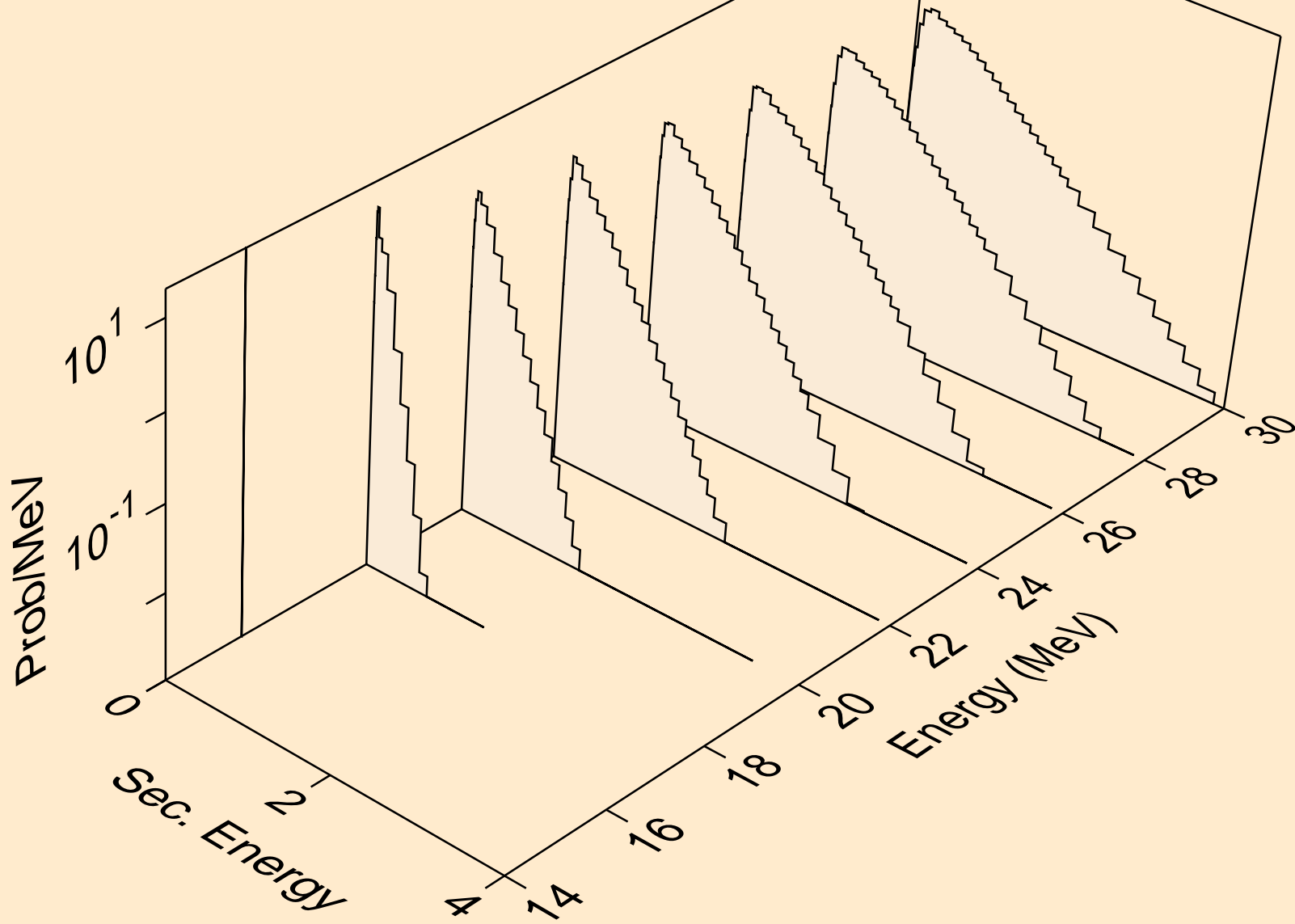
HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)a



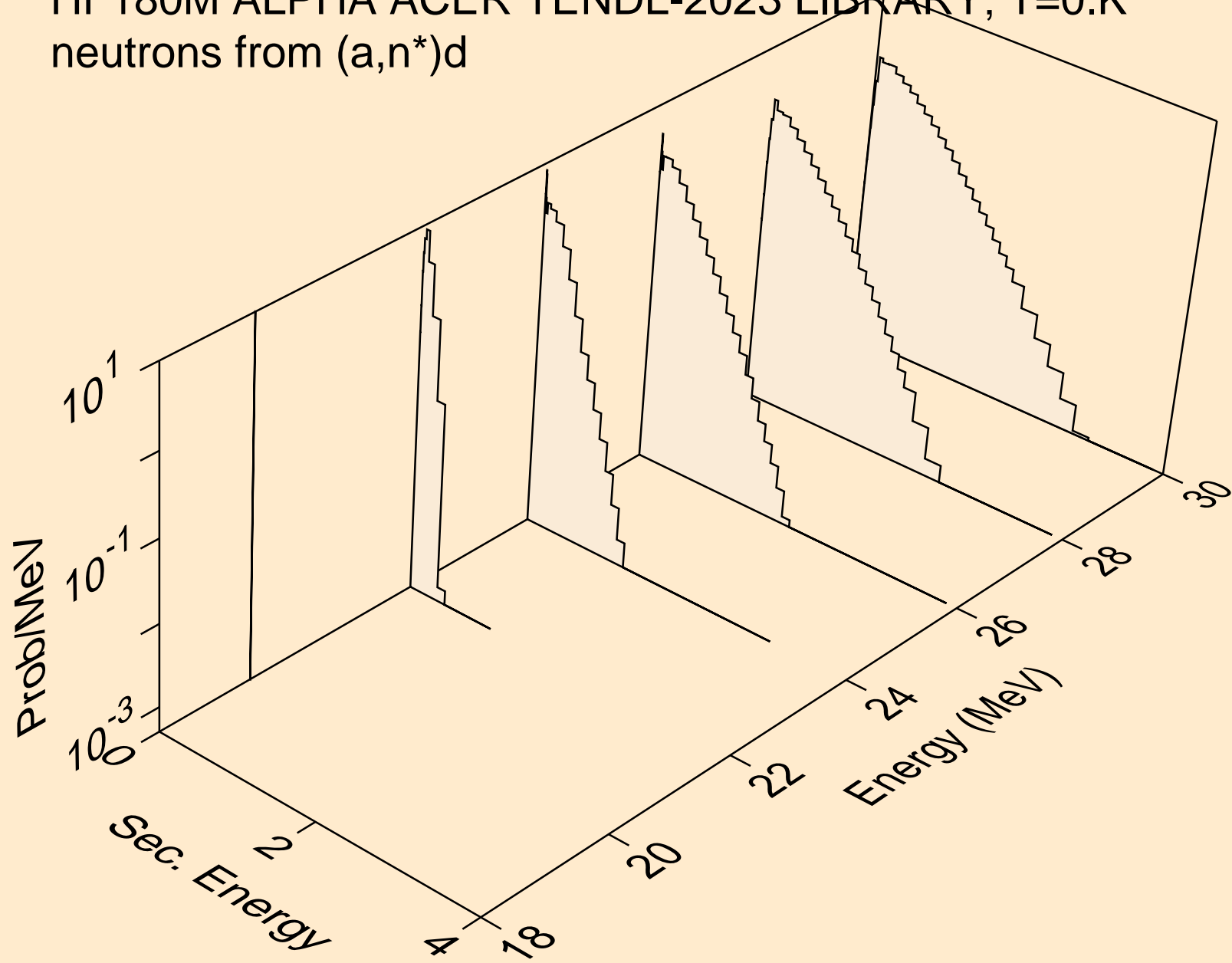
HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2n)a



HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)p

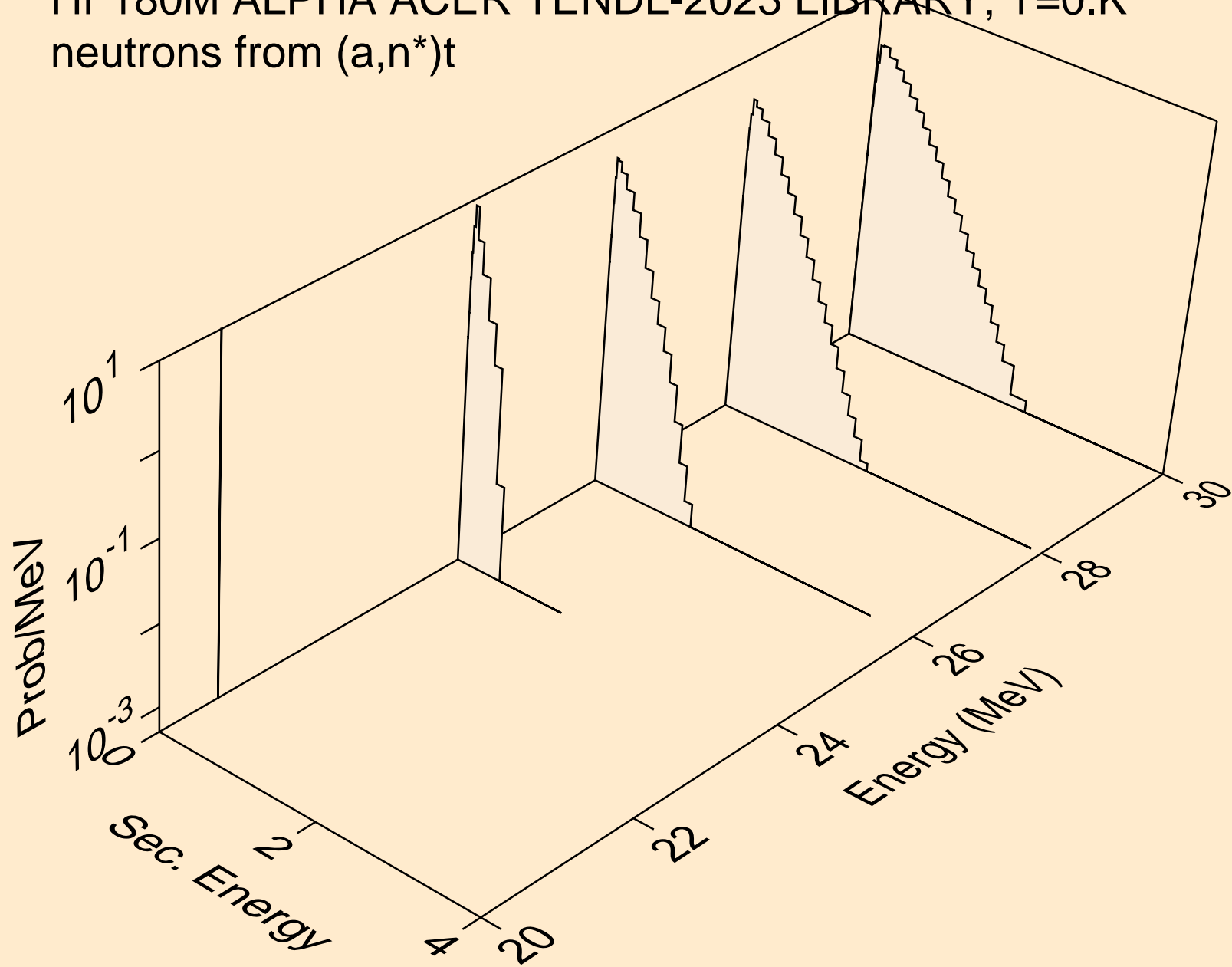


HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)d

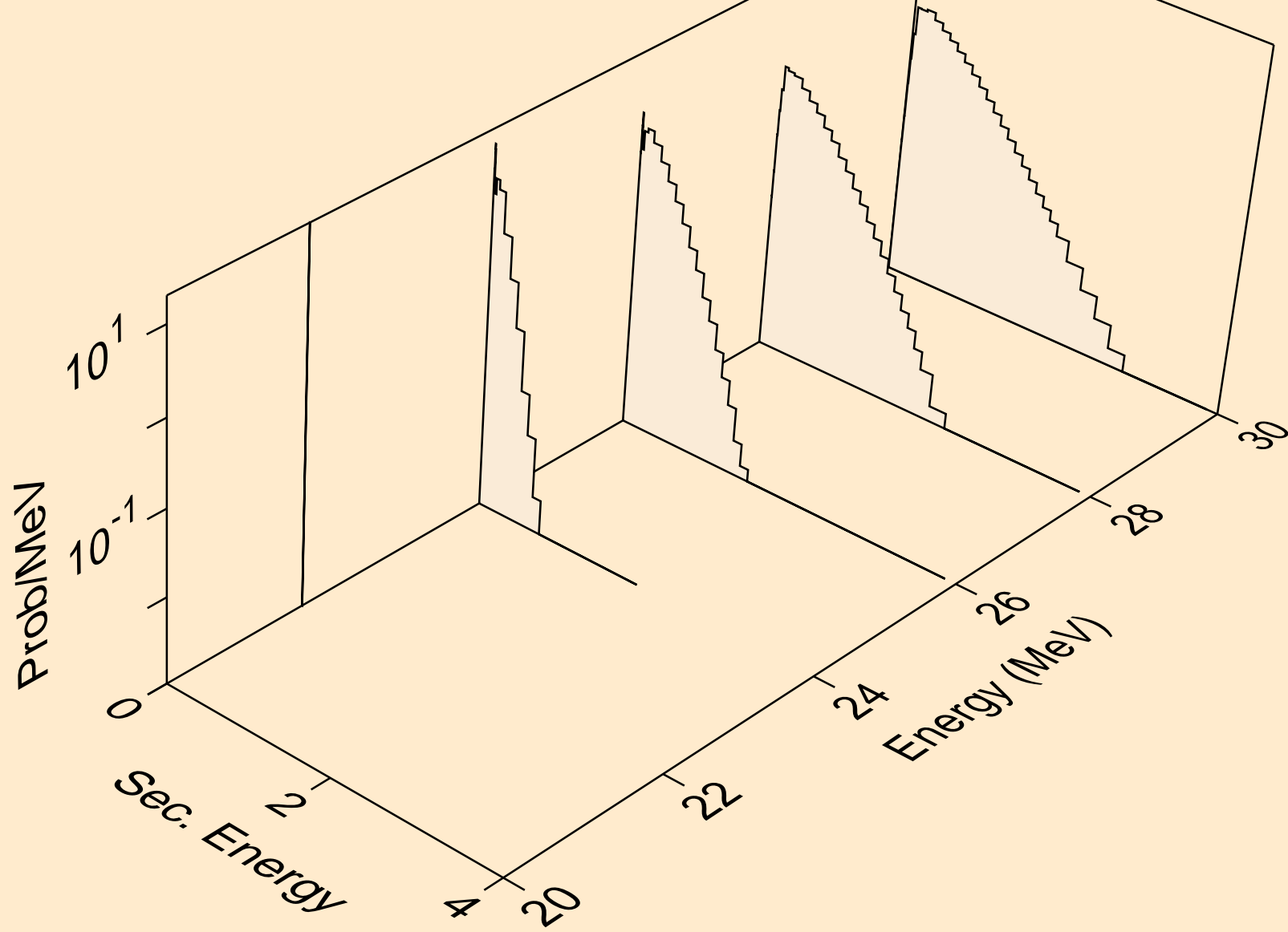




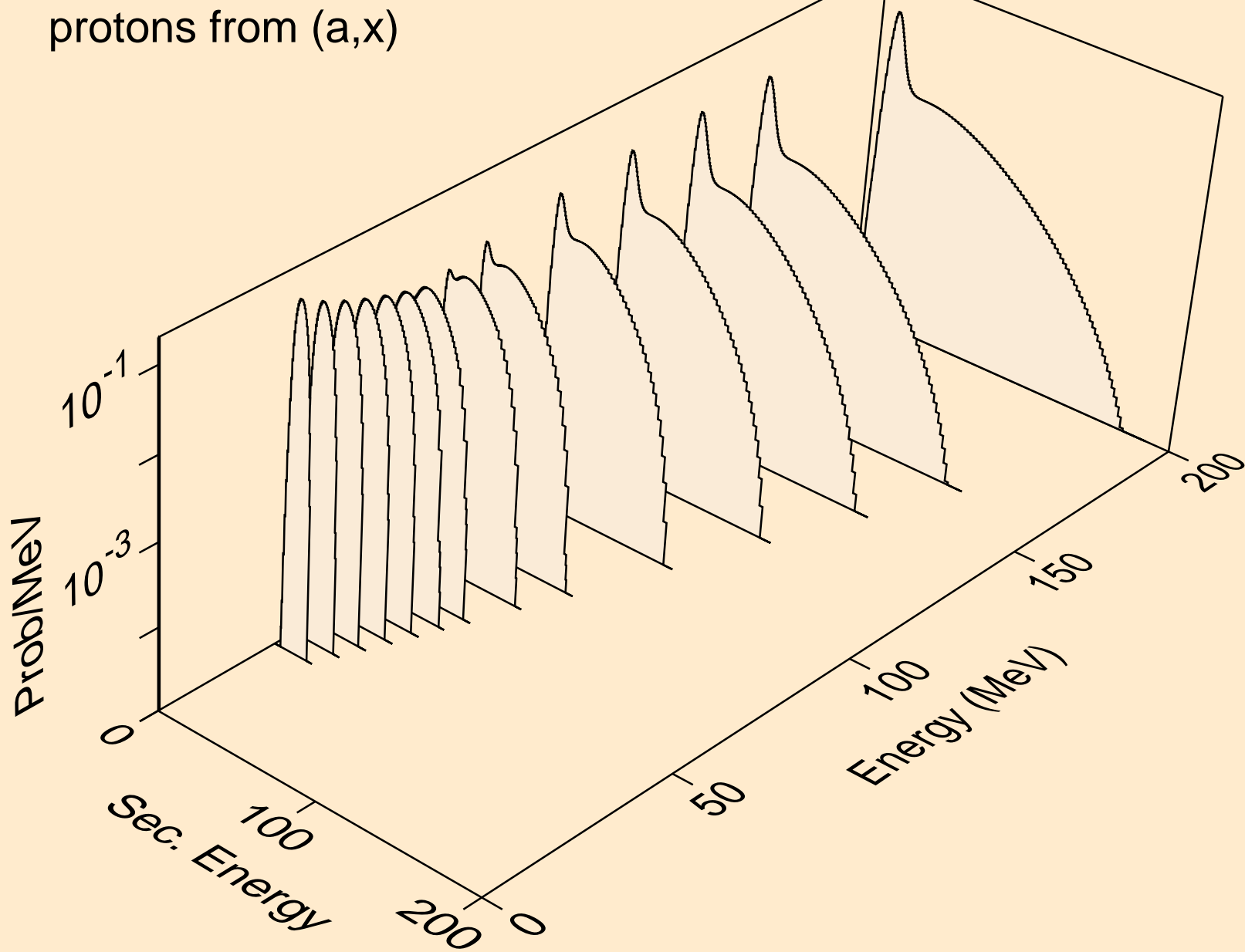
HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)t



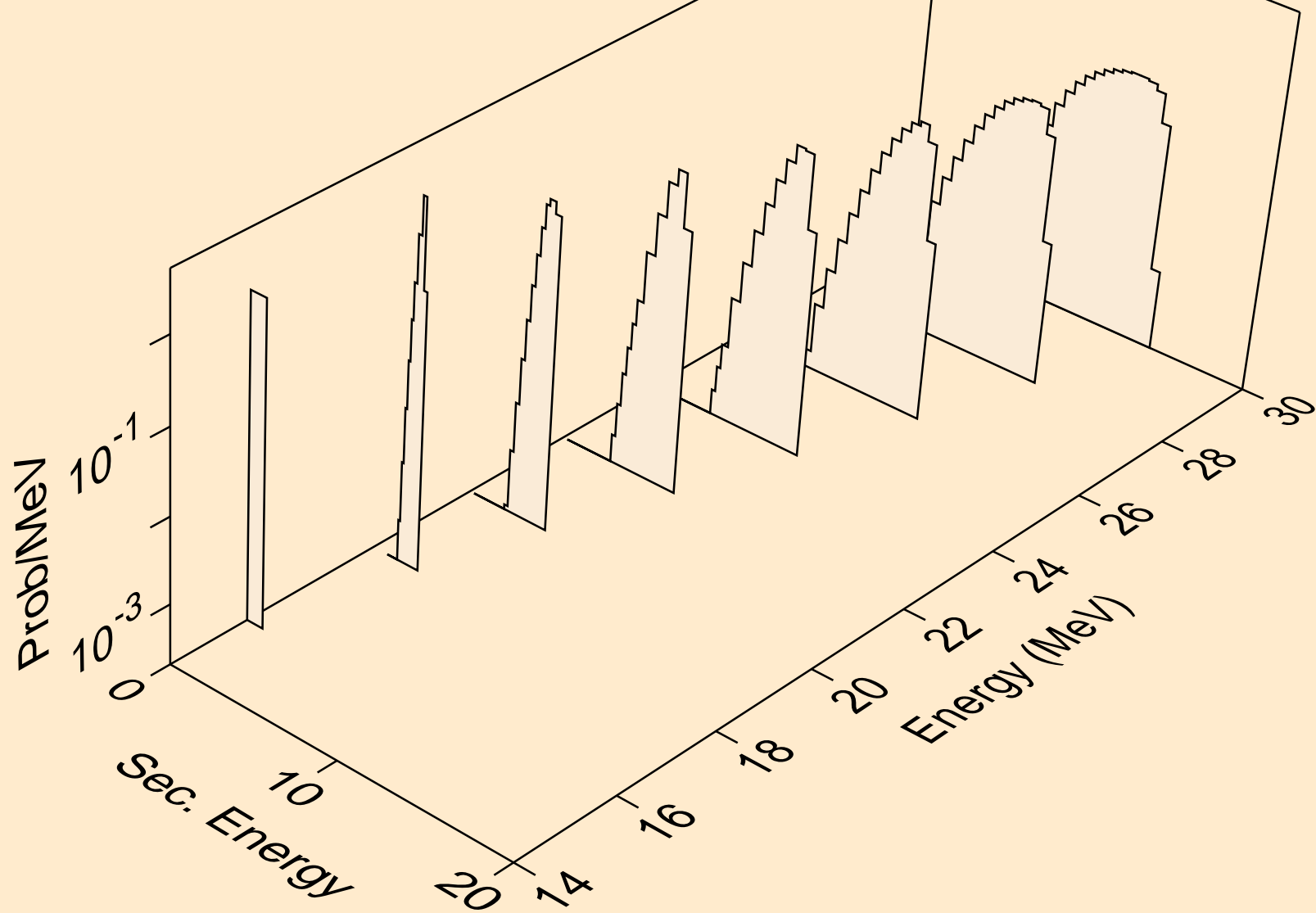
HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2np)



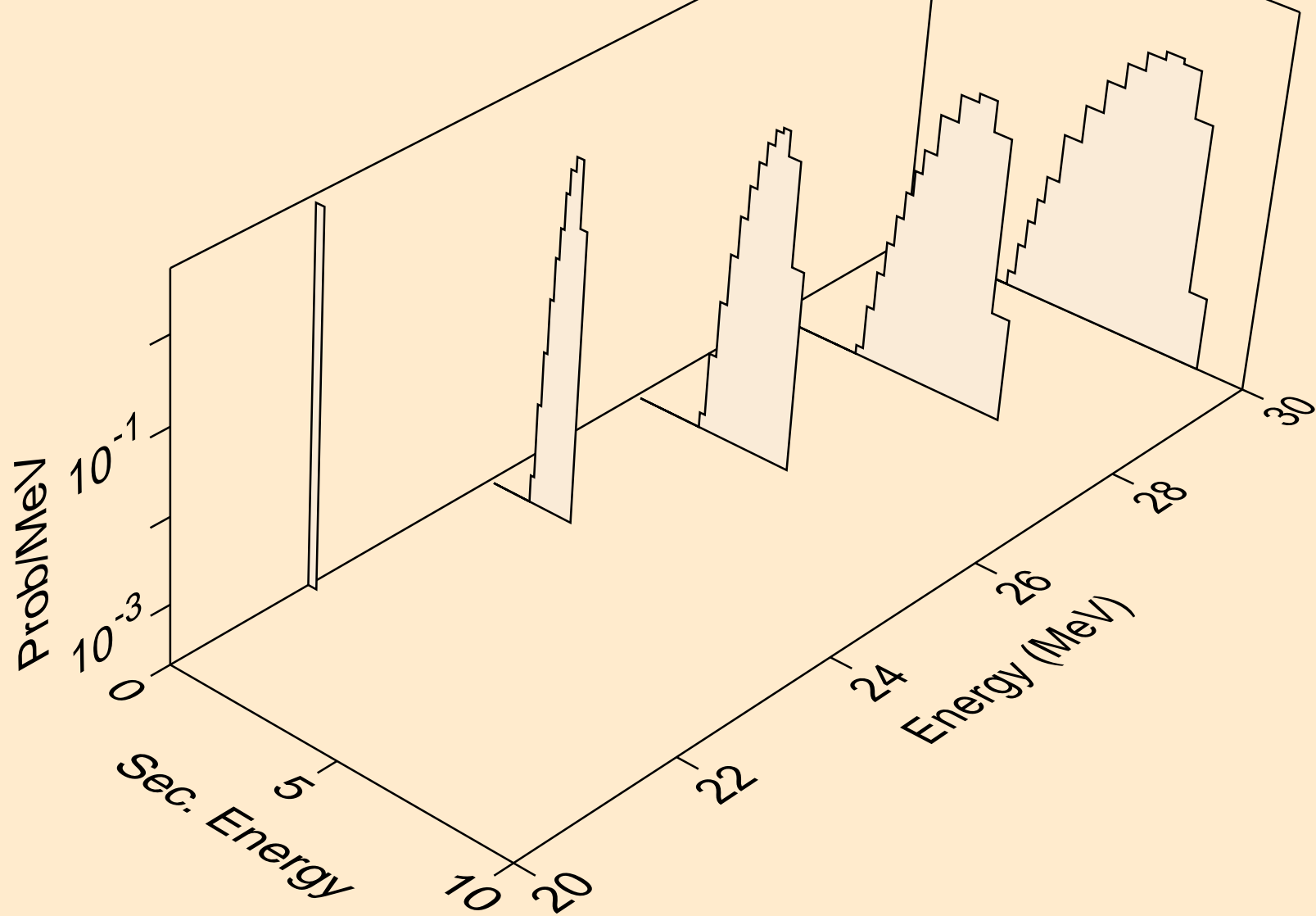
HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,x)



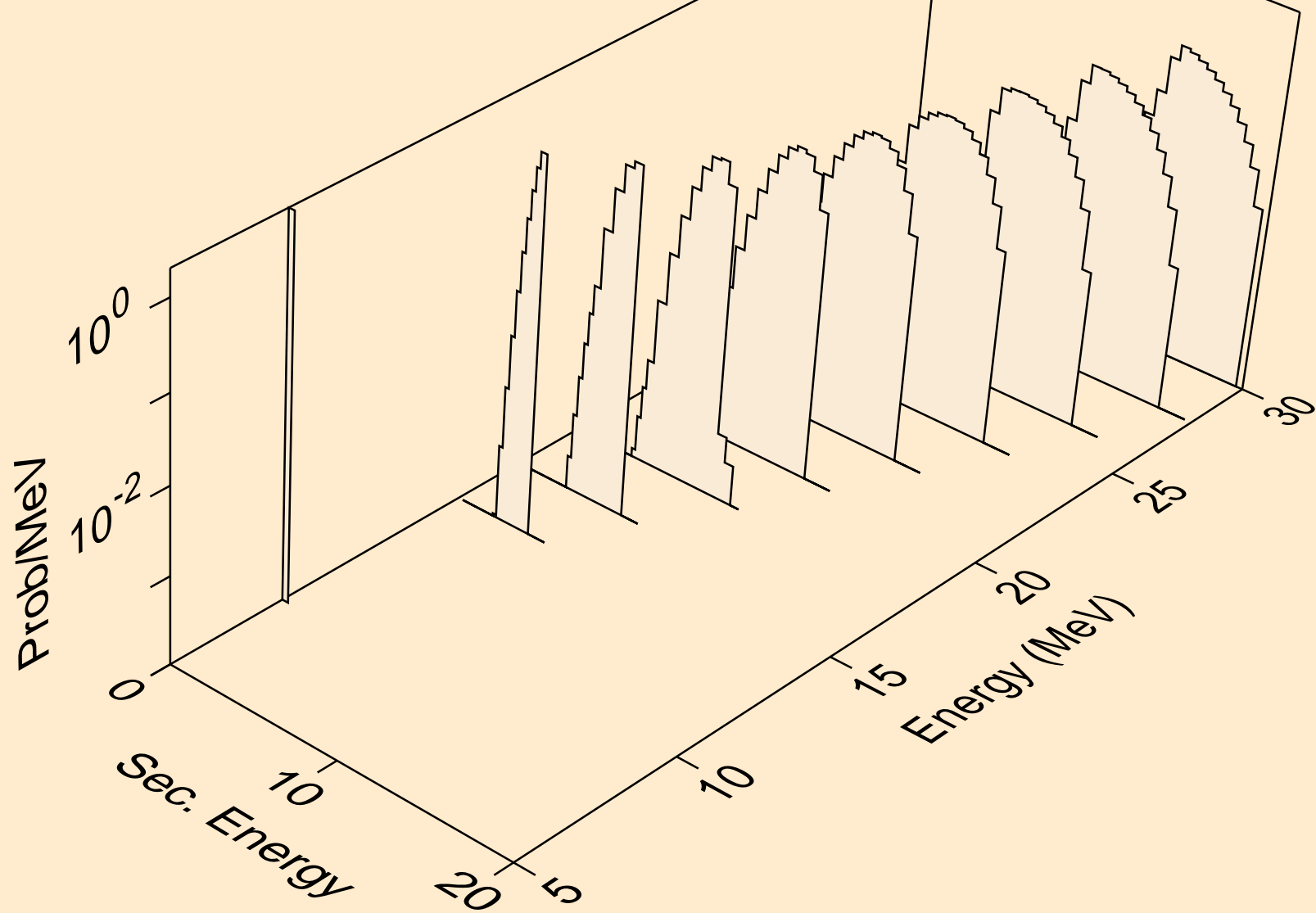
HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,n\*)p



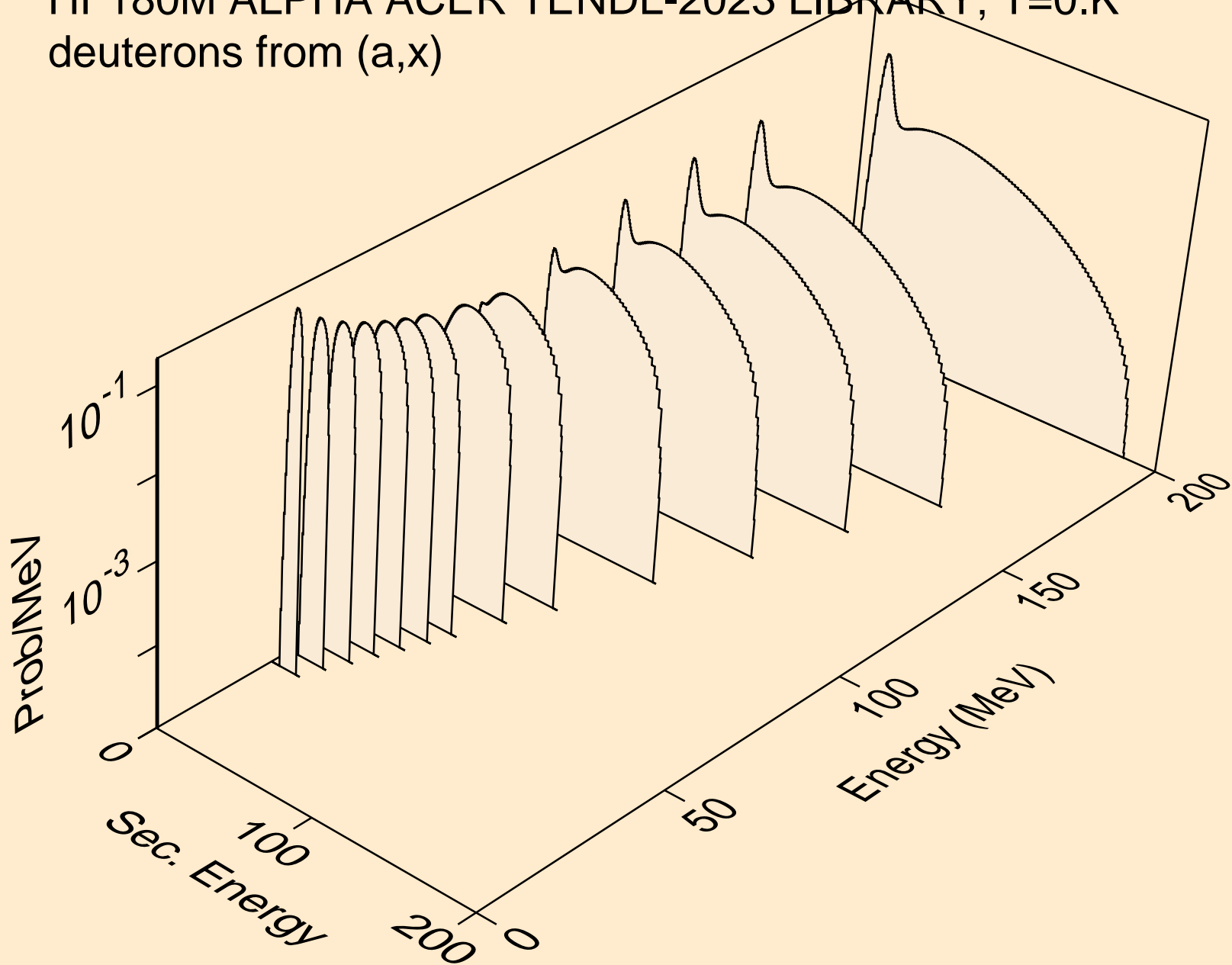
HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,2np)



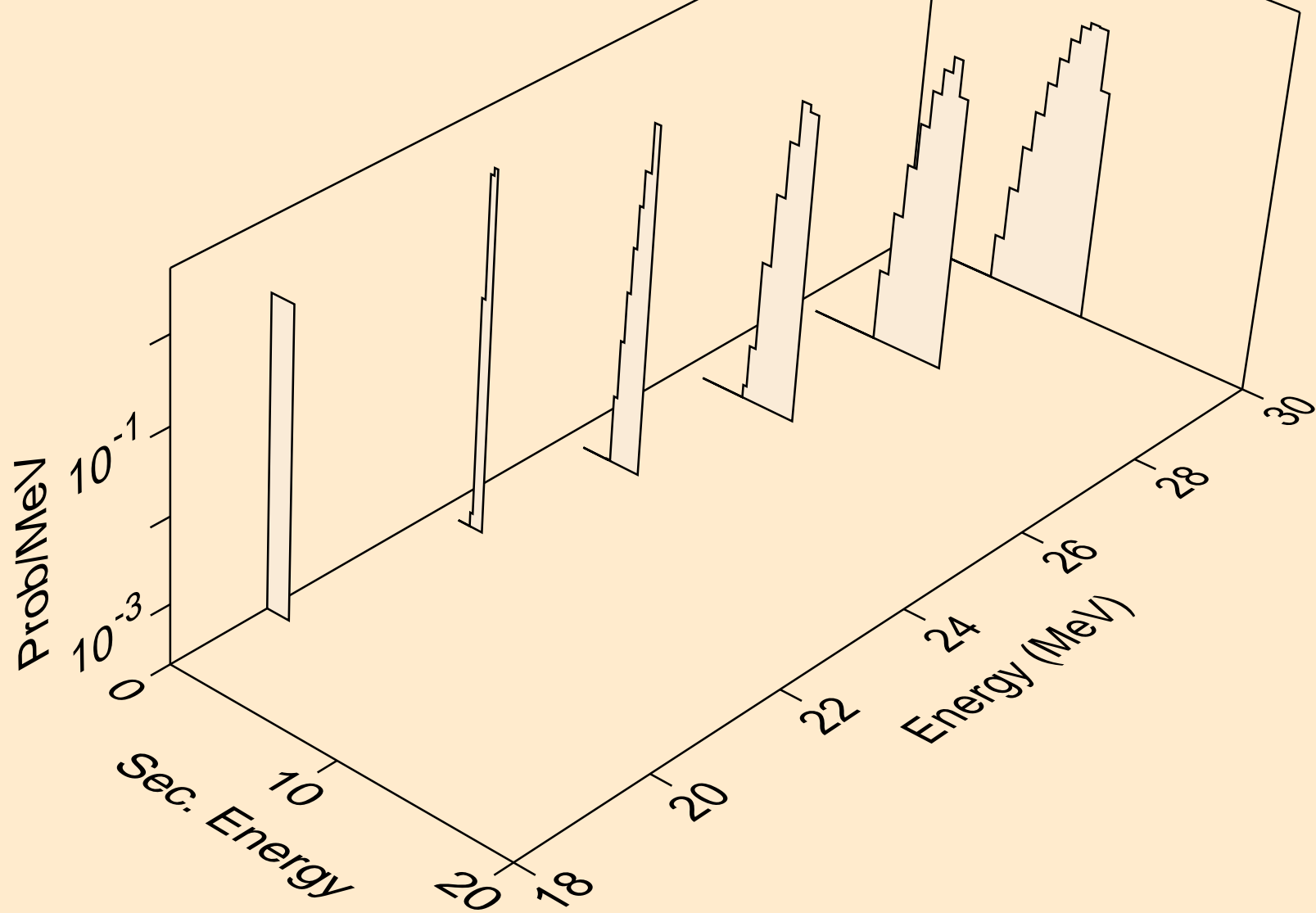
HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,p)



HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,x)

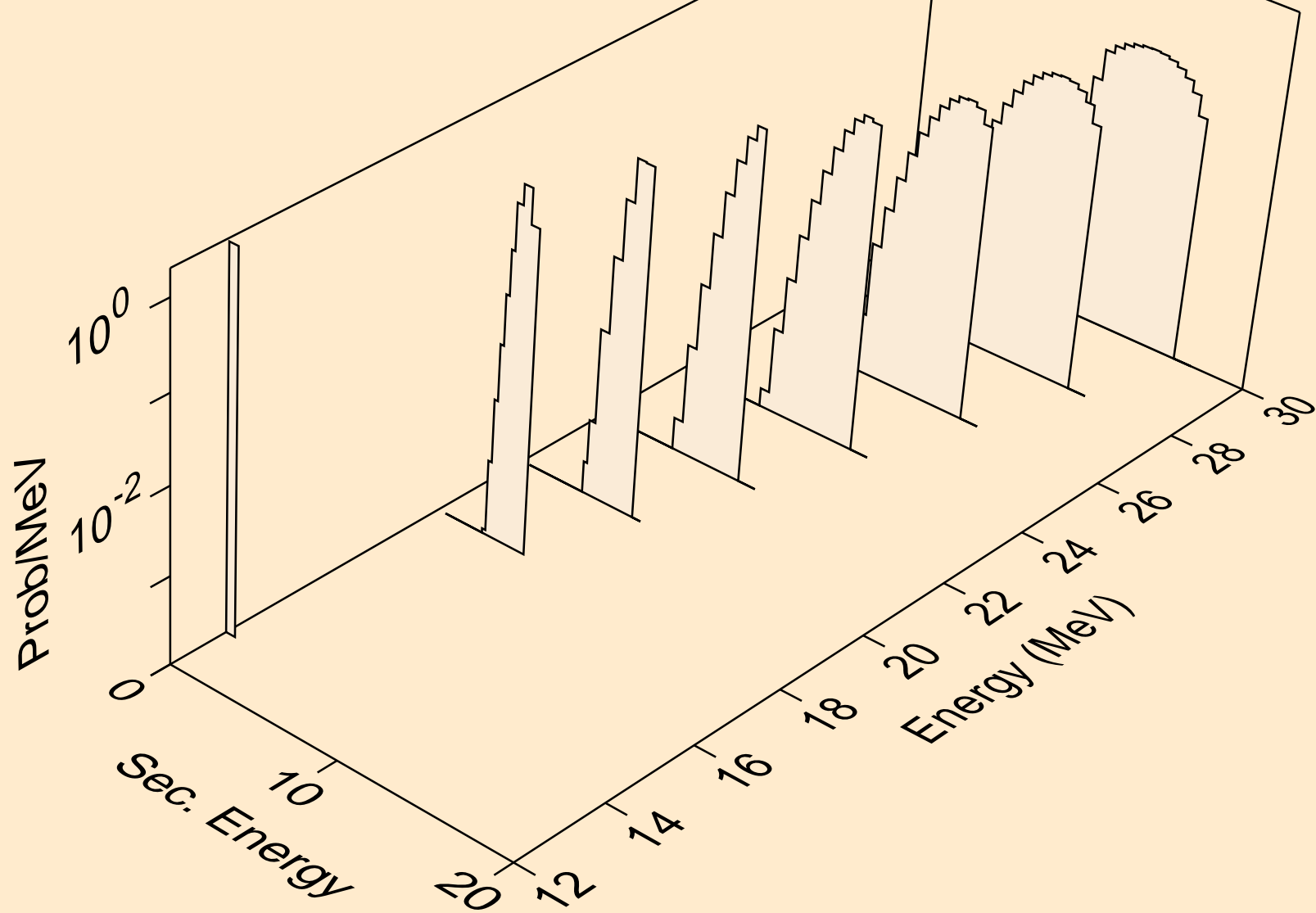


HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,n\*)d

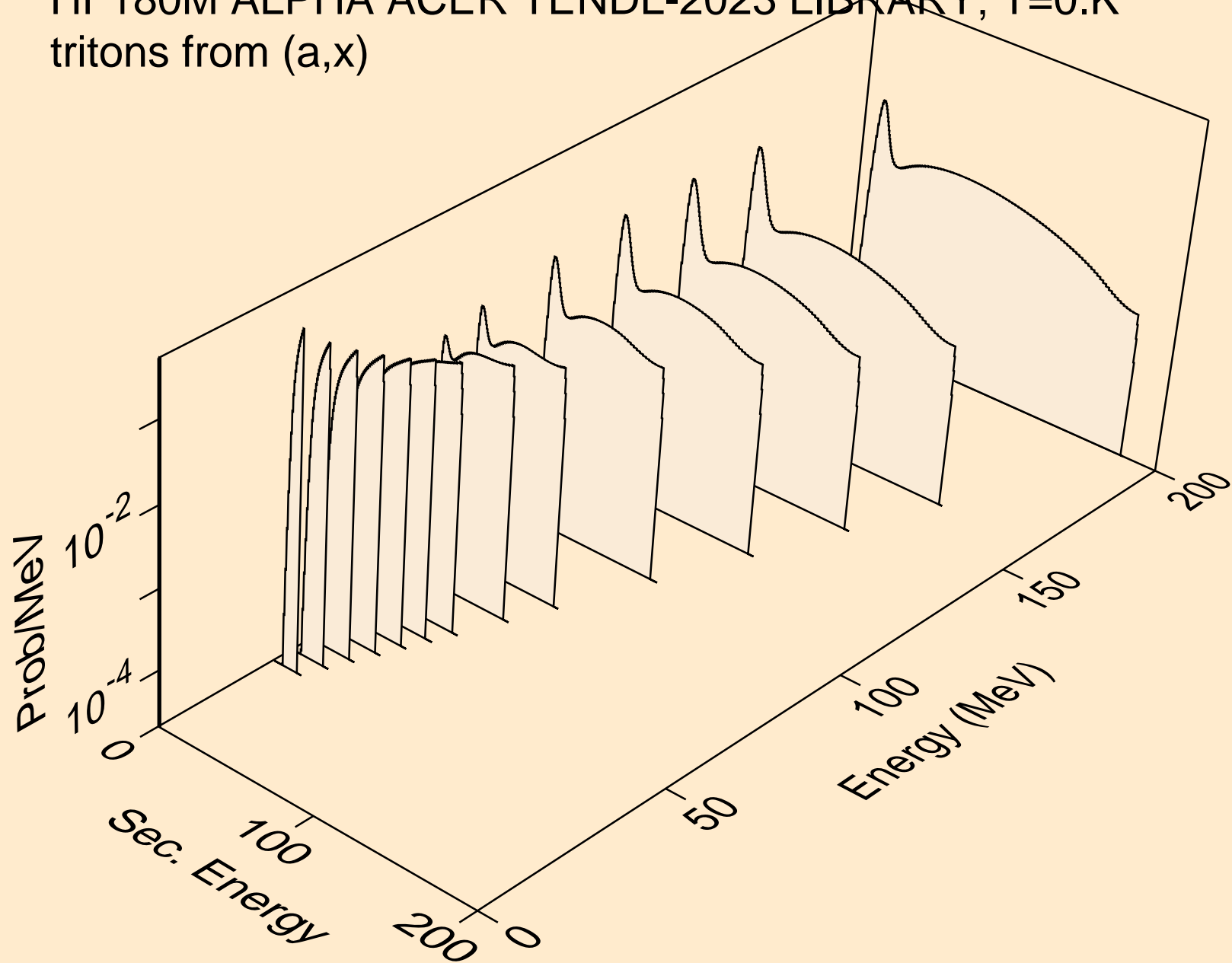




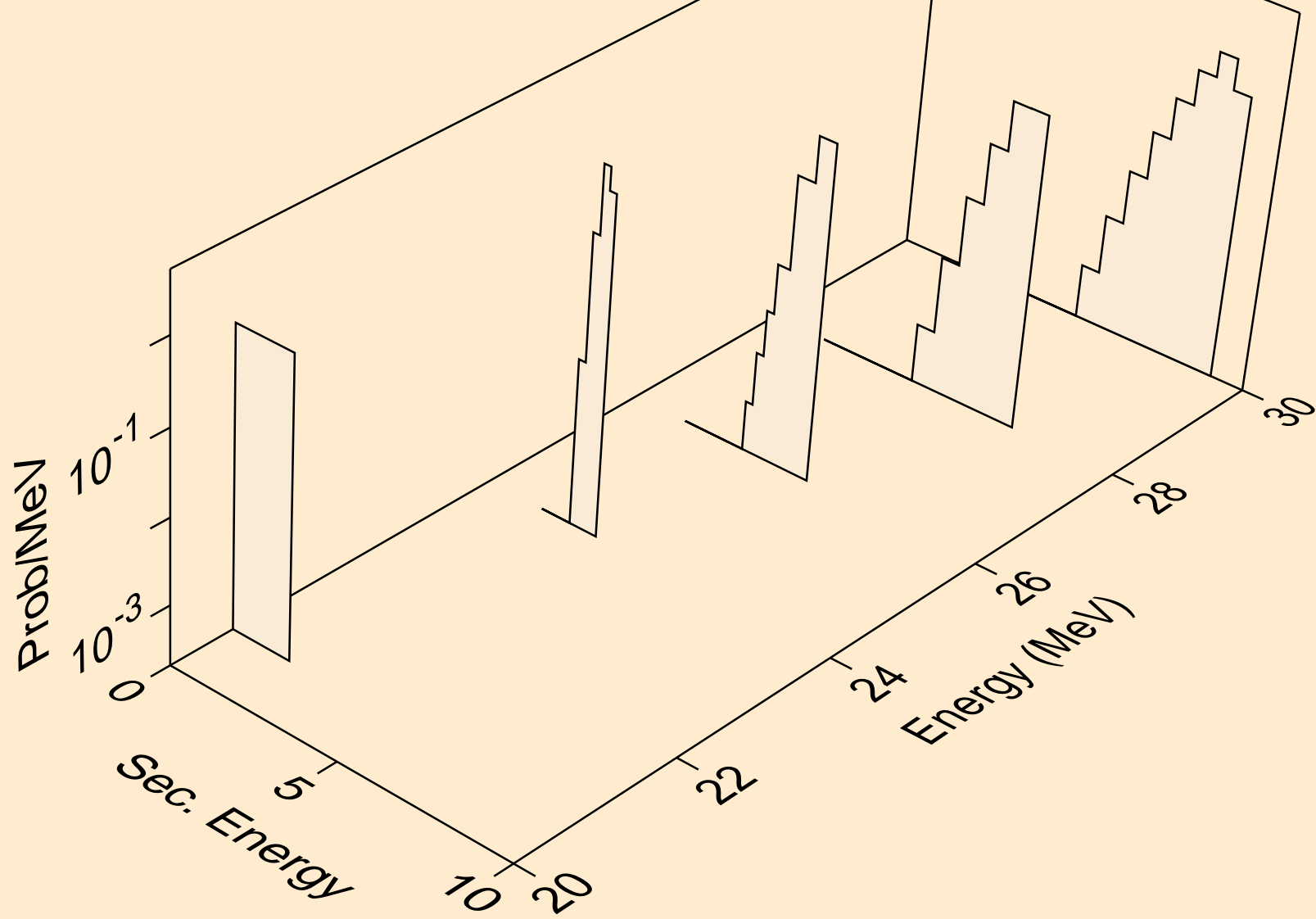
HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,d)



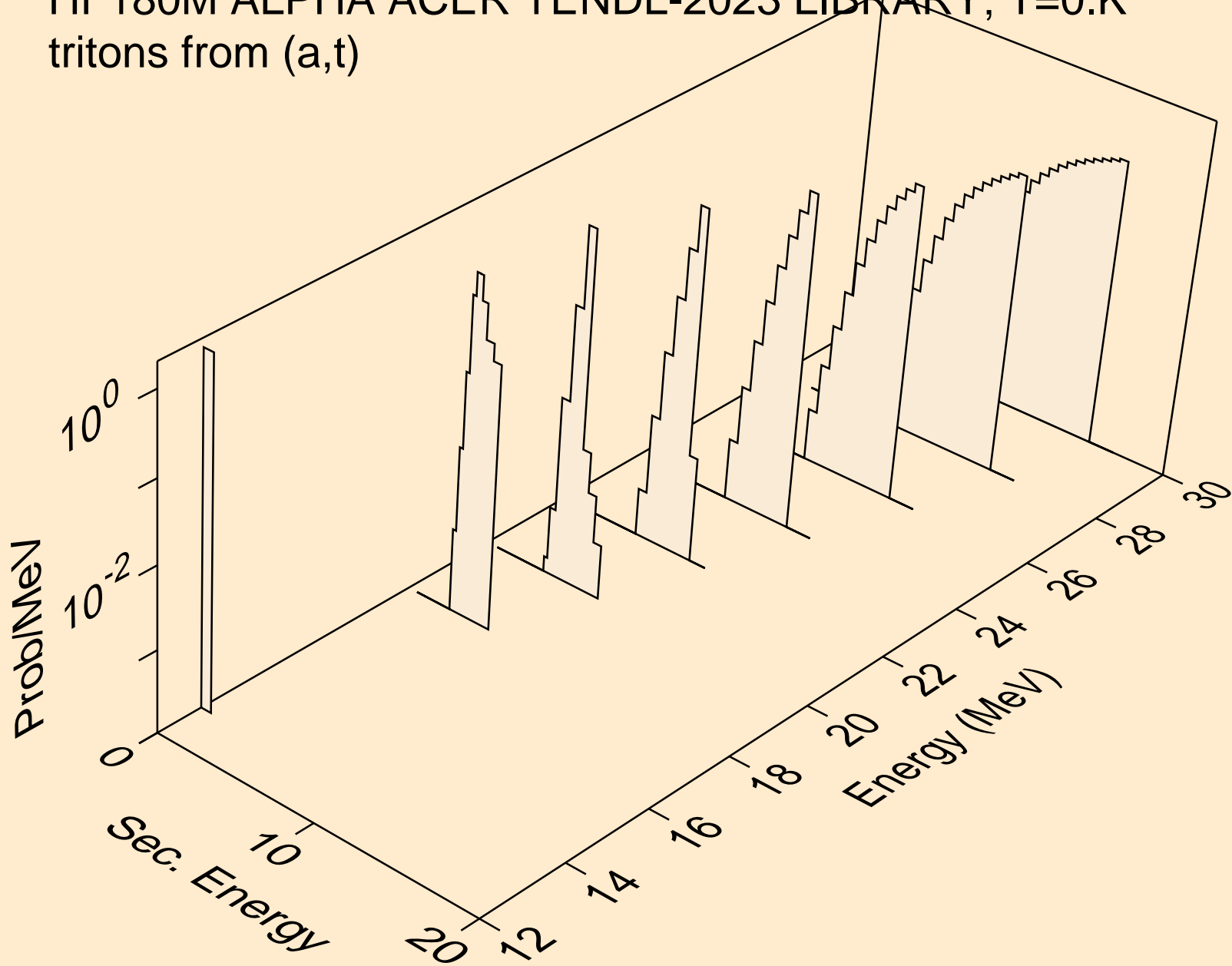
HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,x)



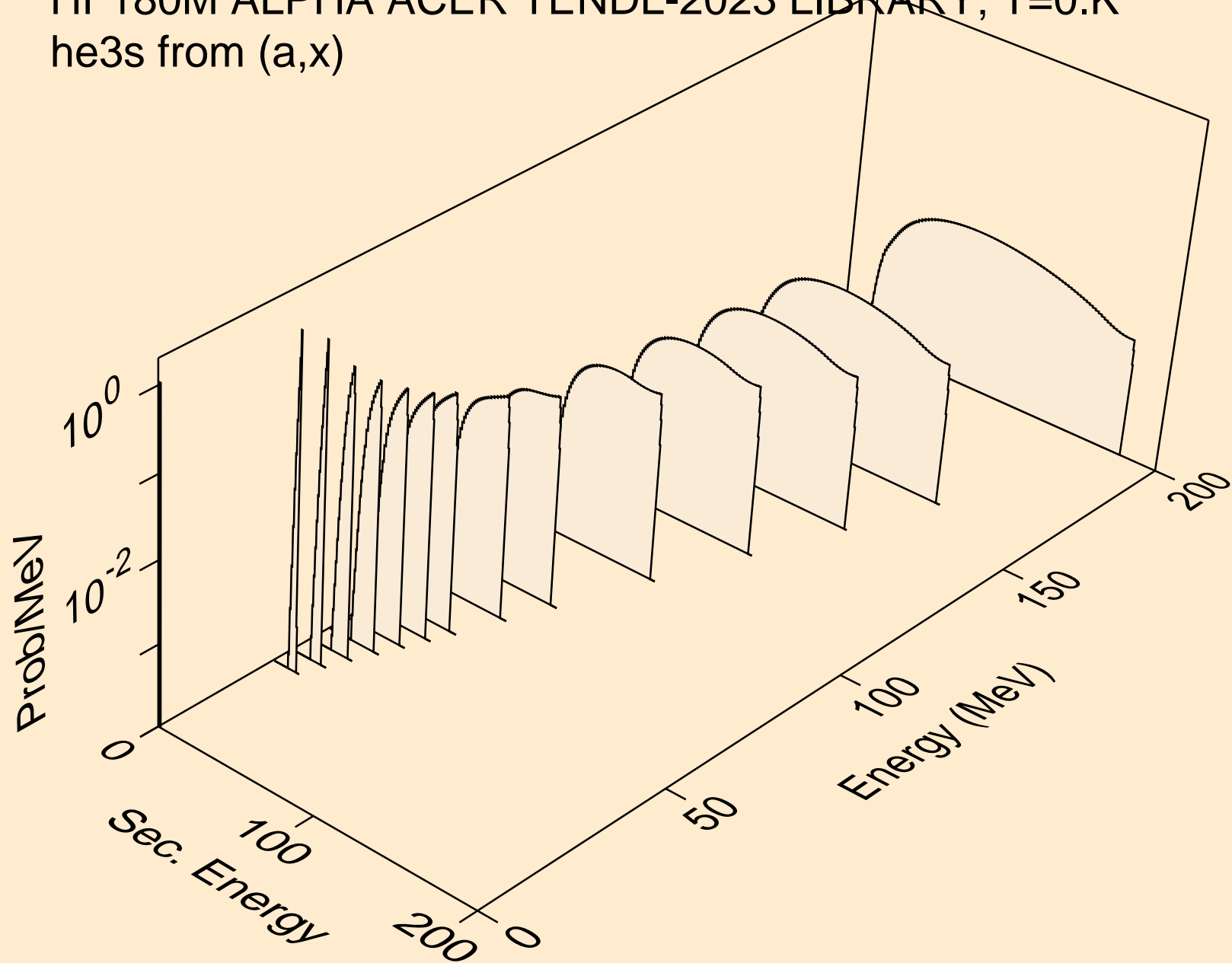
HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,n\*)t



HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,t)



HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,x)



HF180M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,he3)

