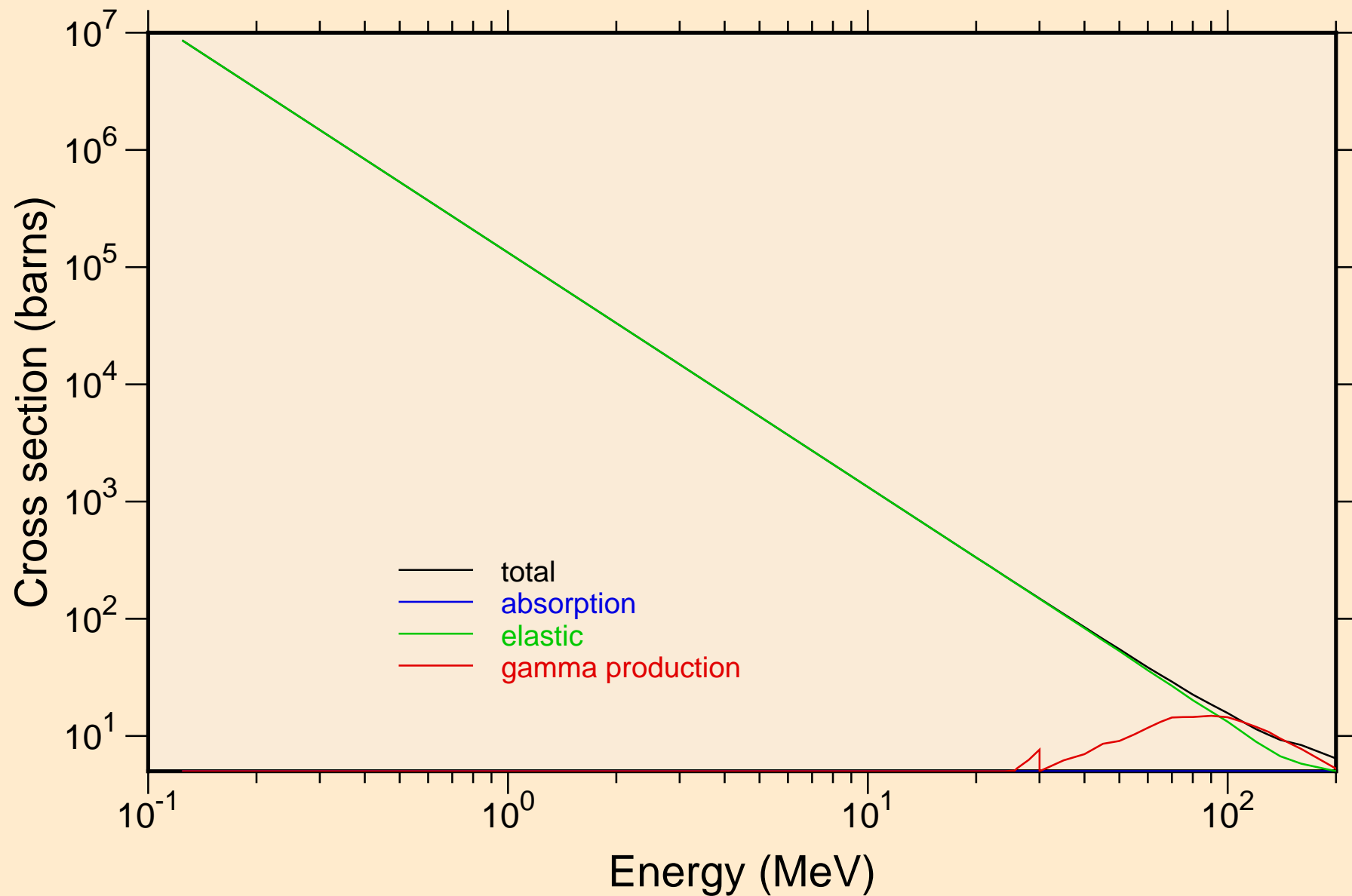


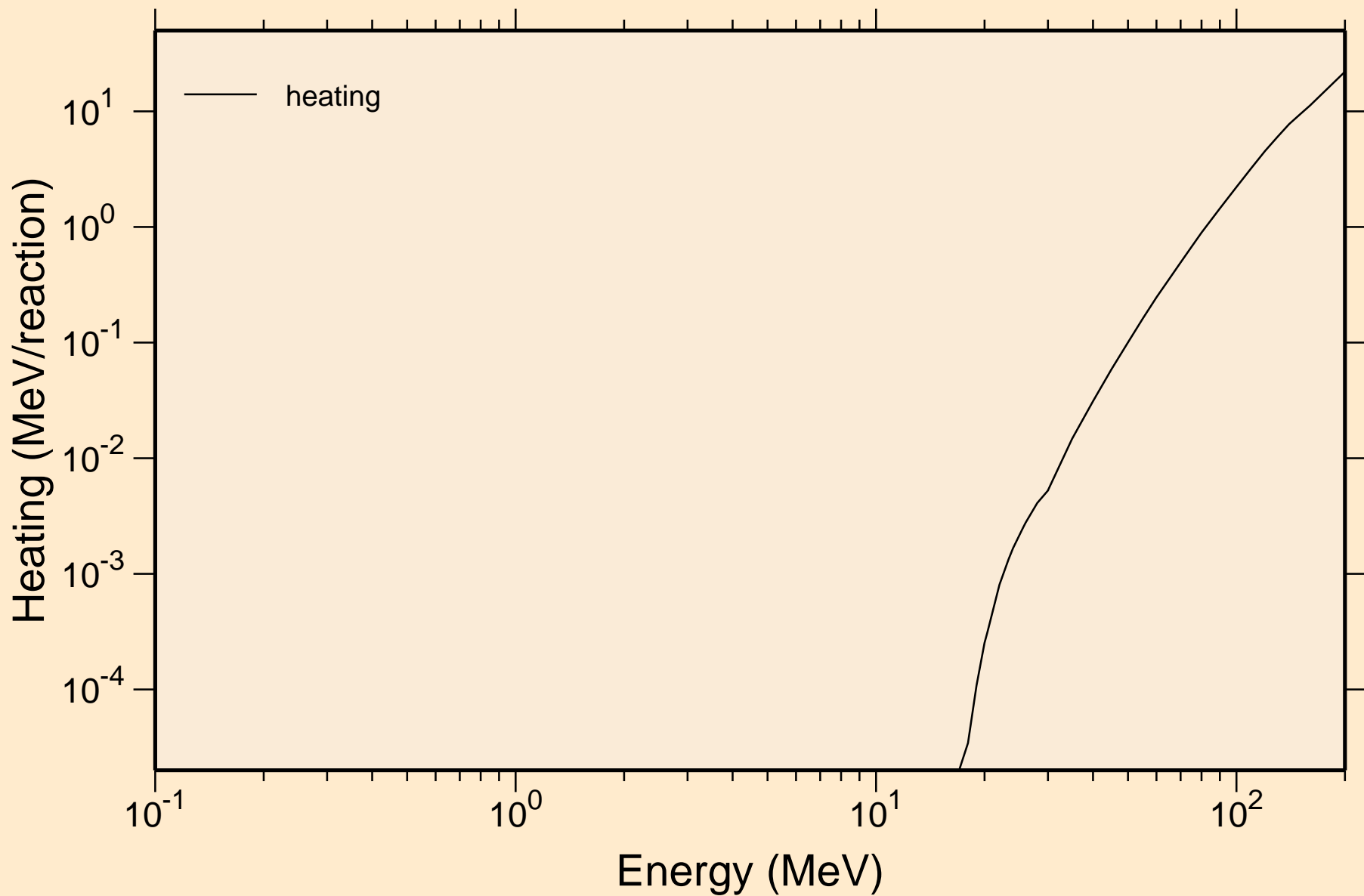
# HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



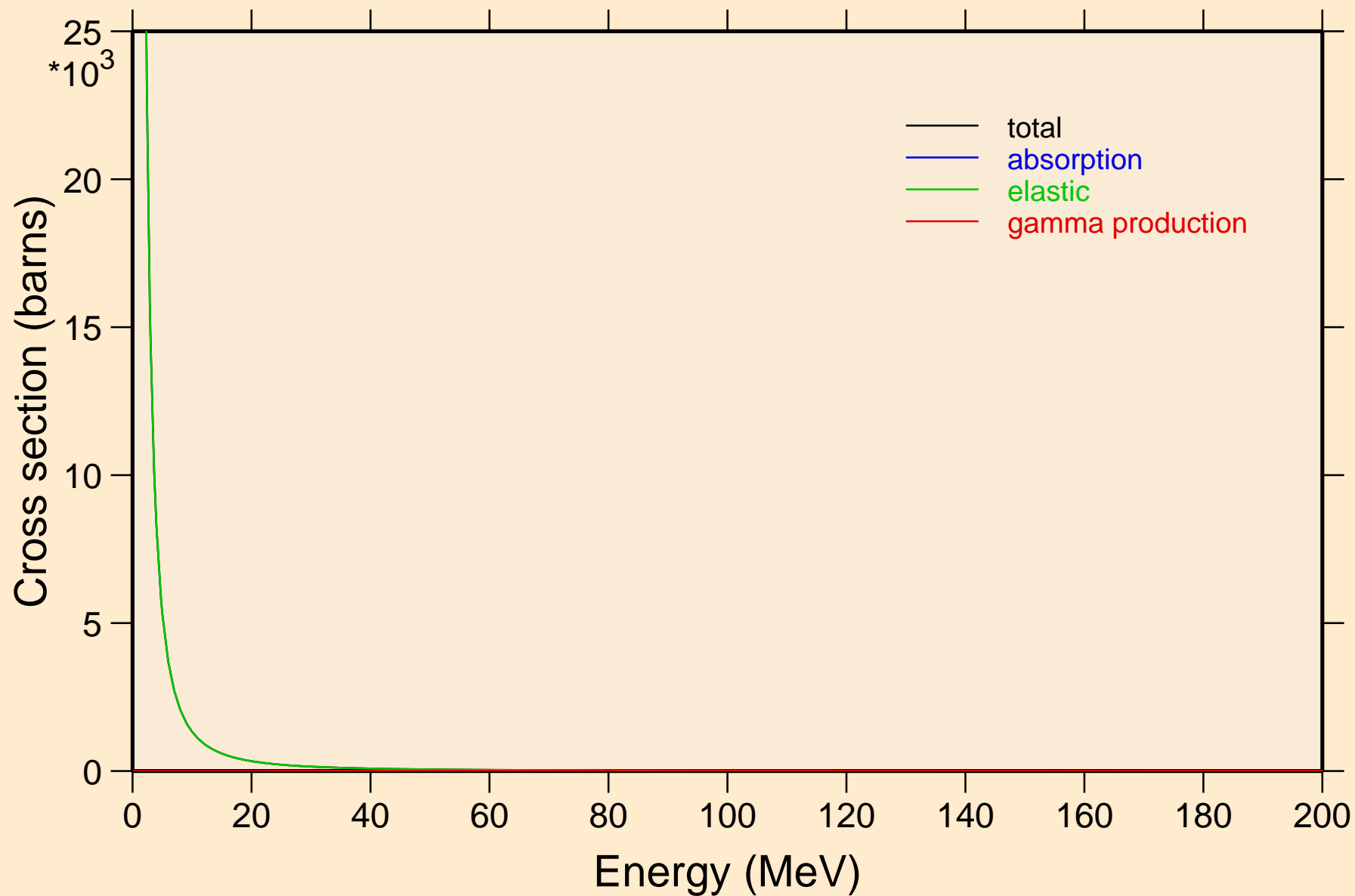
# HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Heating



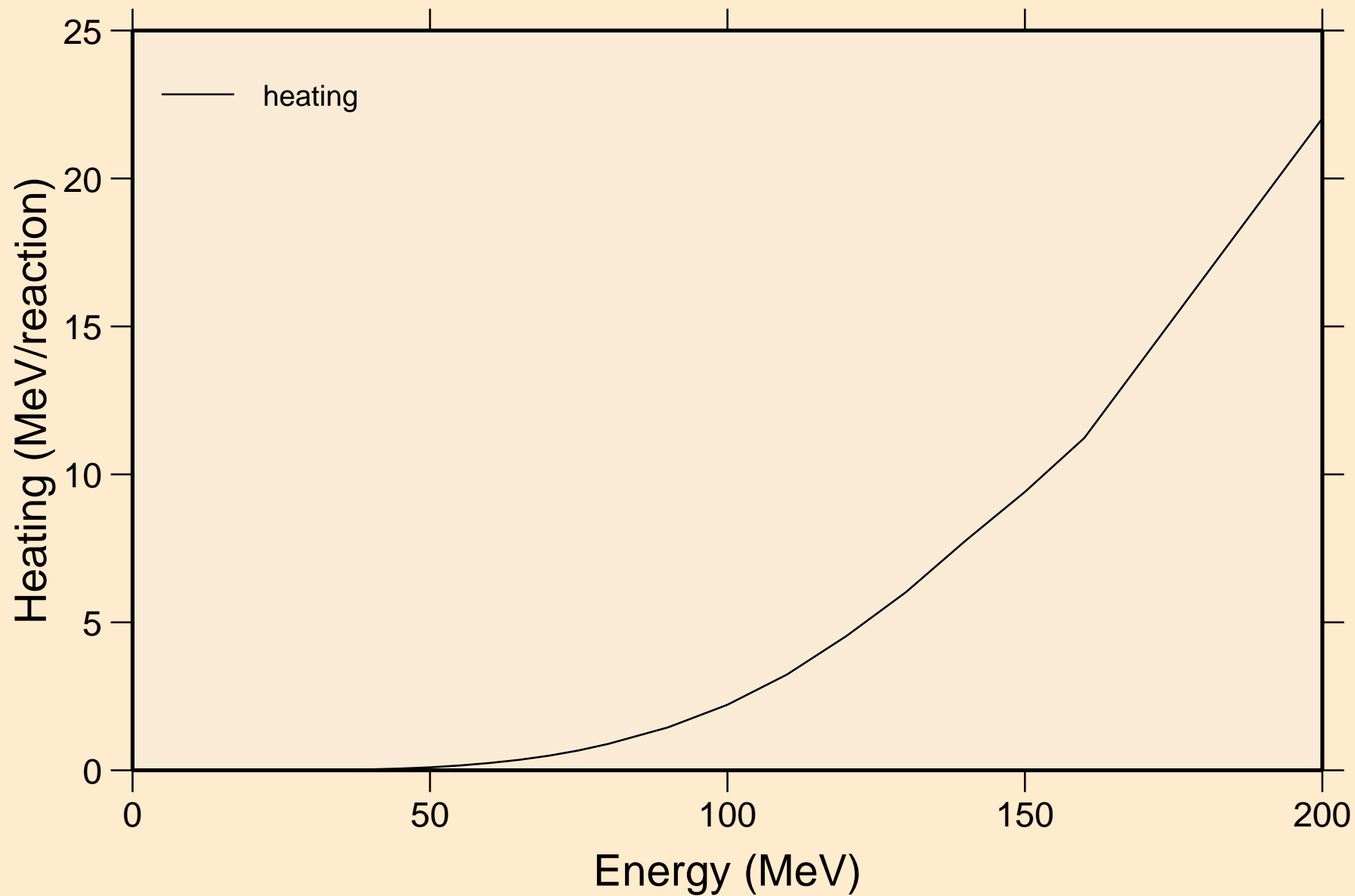
# HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



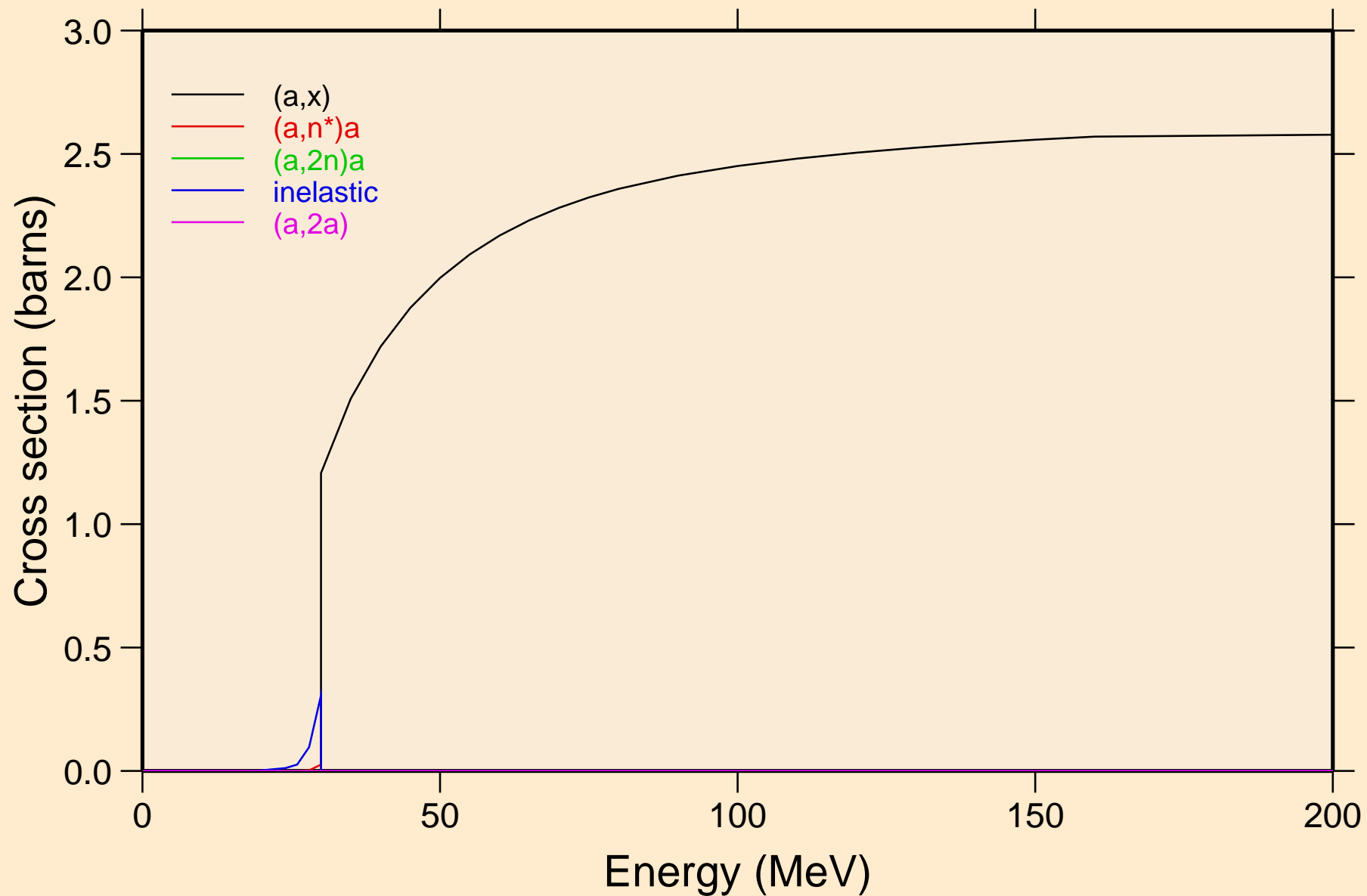
# HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Heating



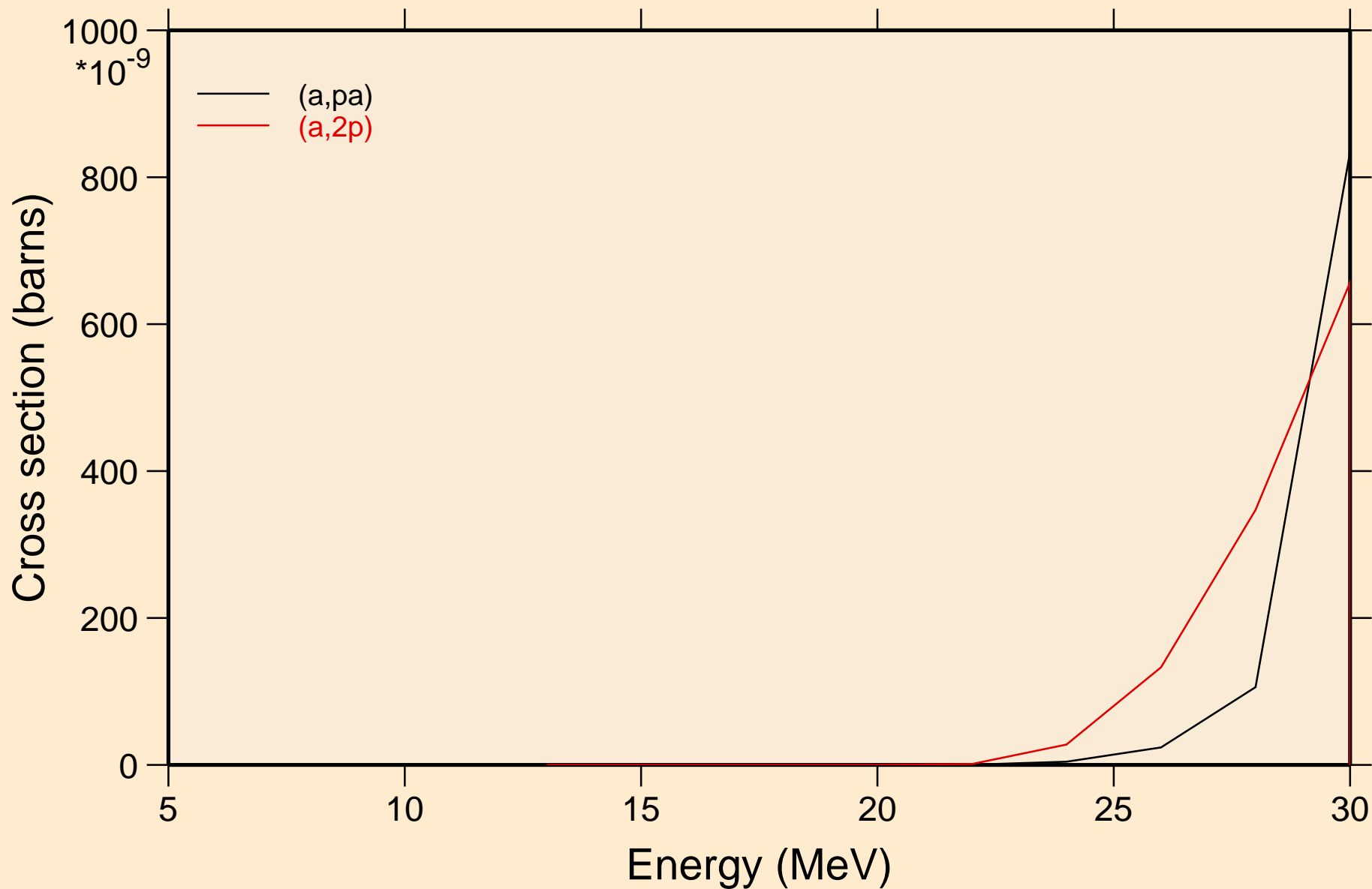
# HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

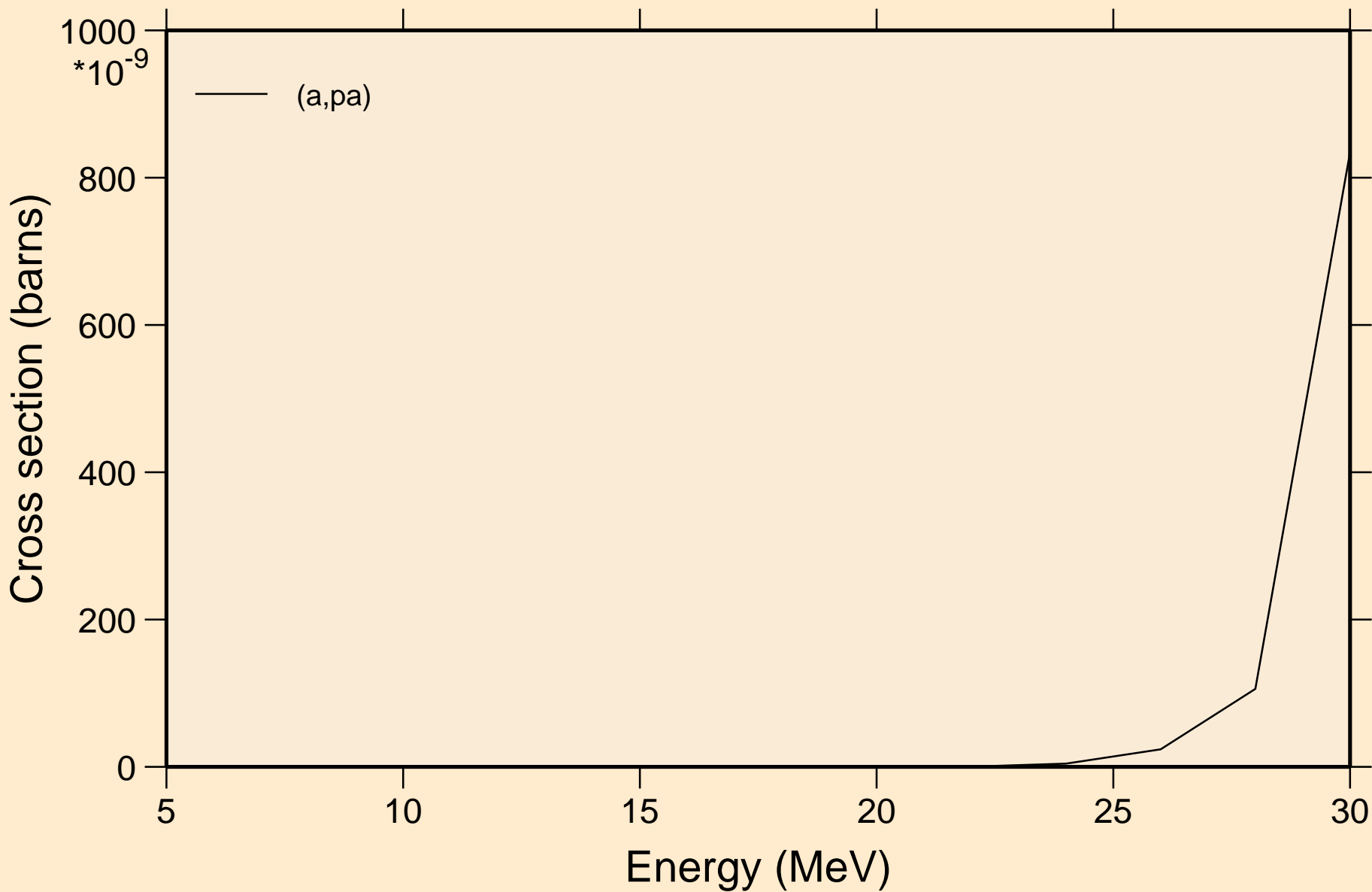


# HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

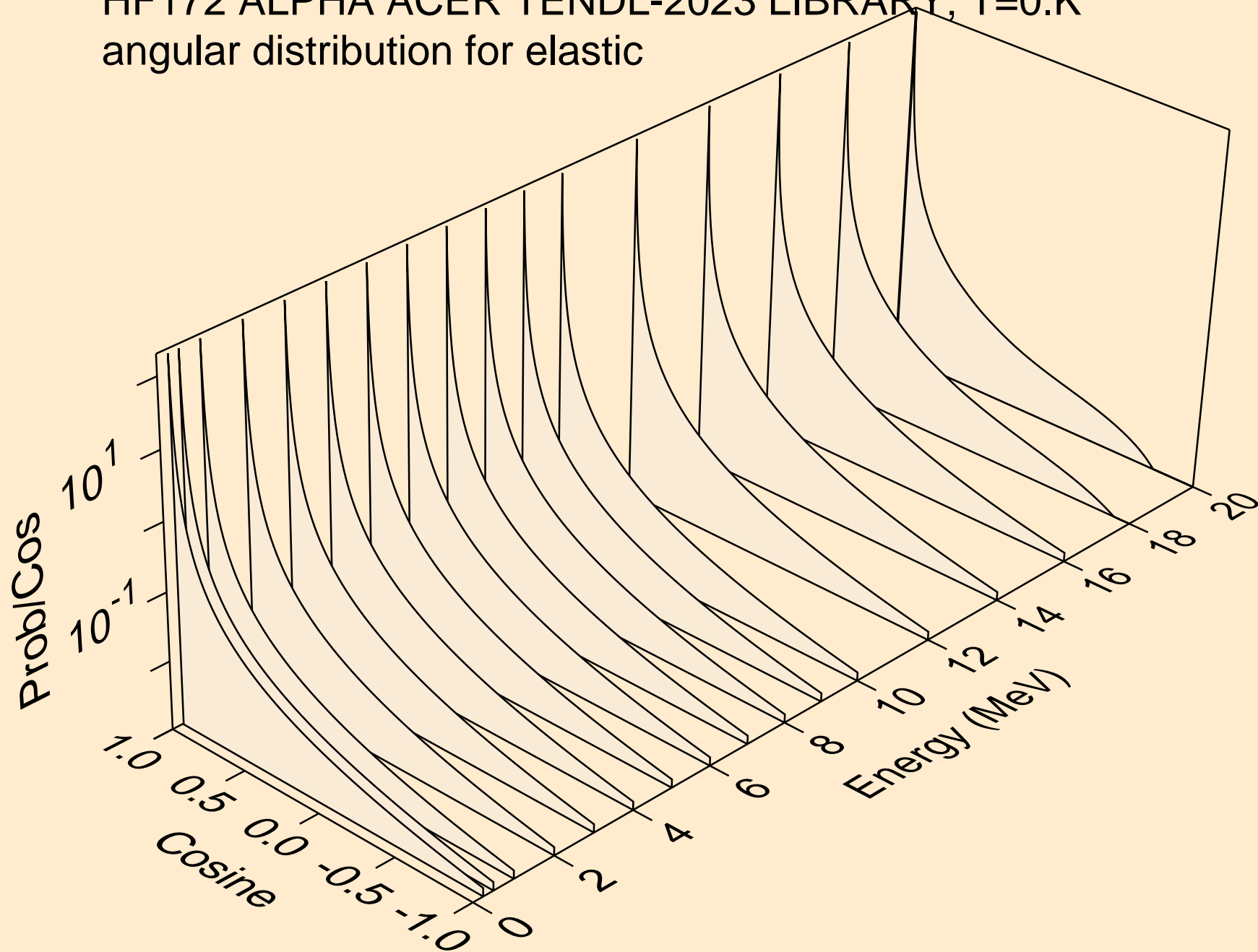
## Threshold reactions



HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

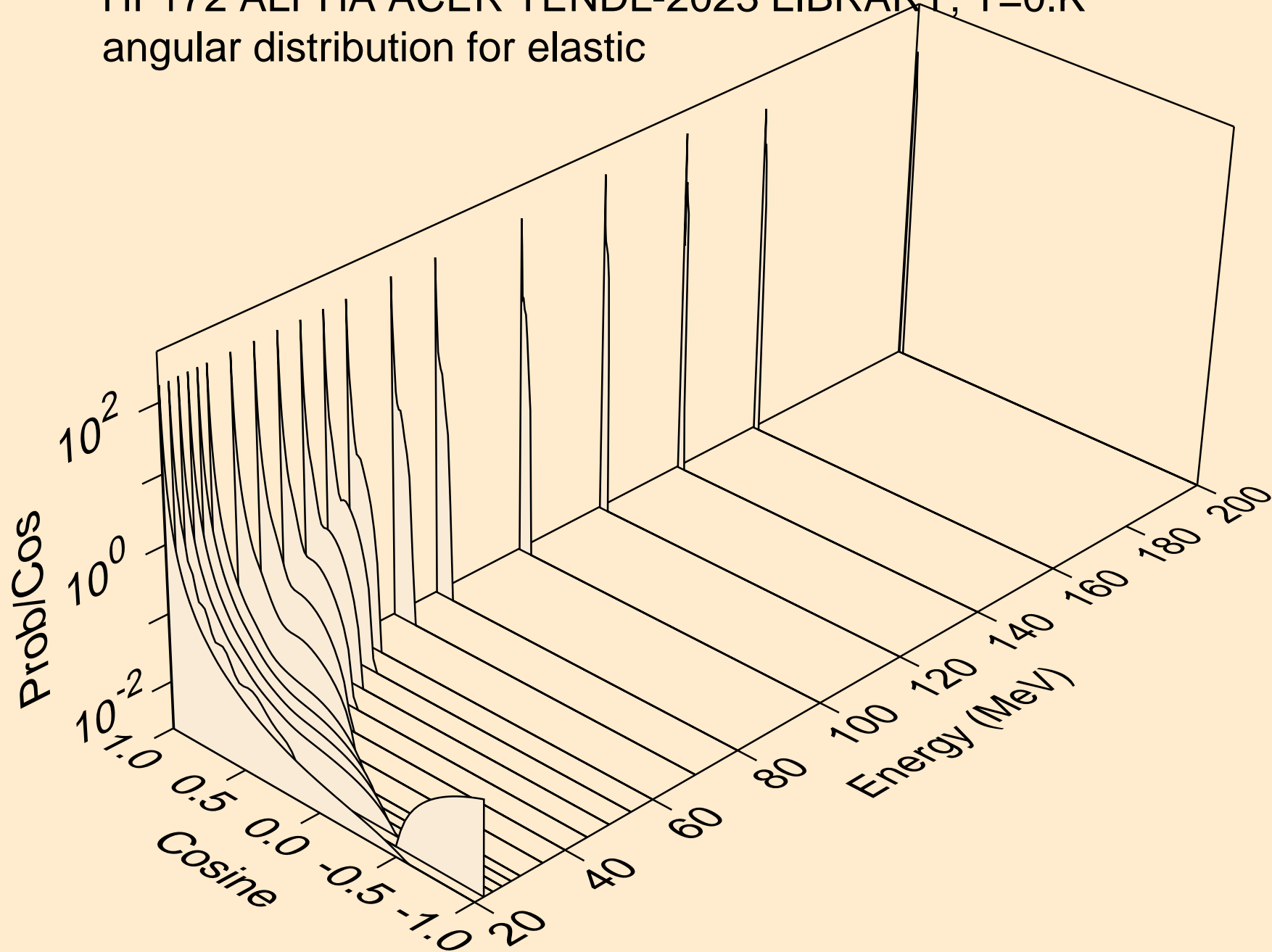


HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

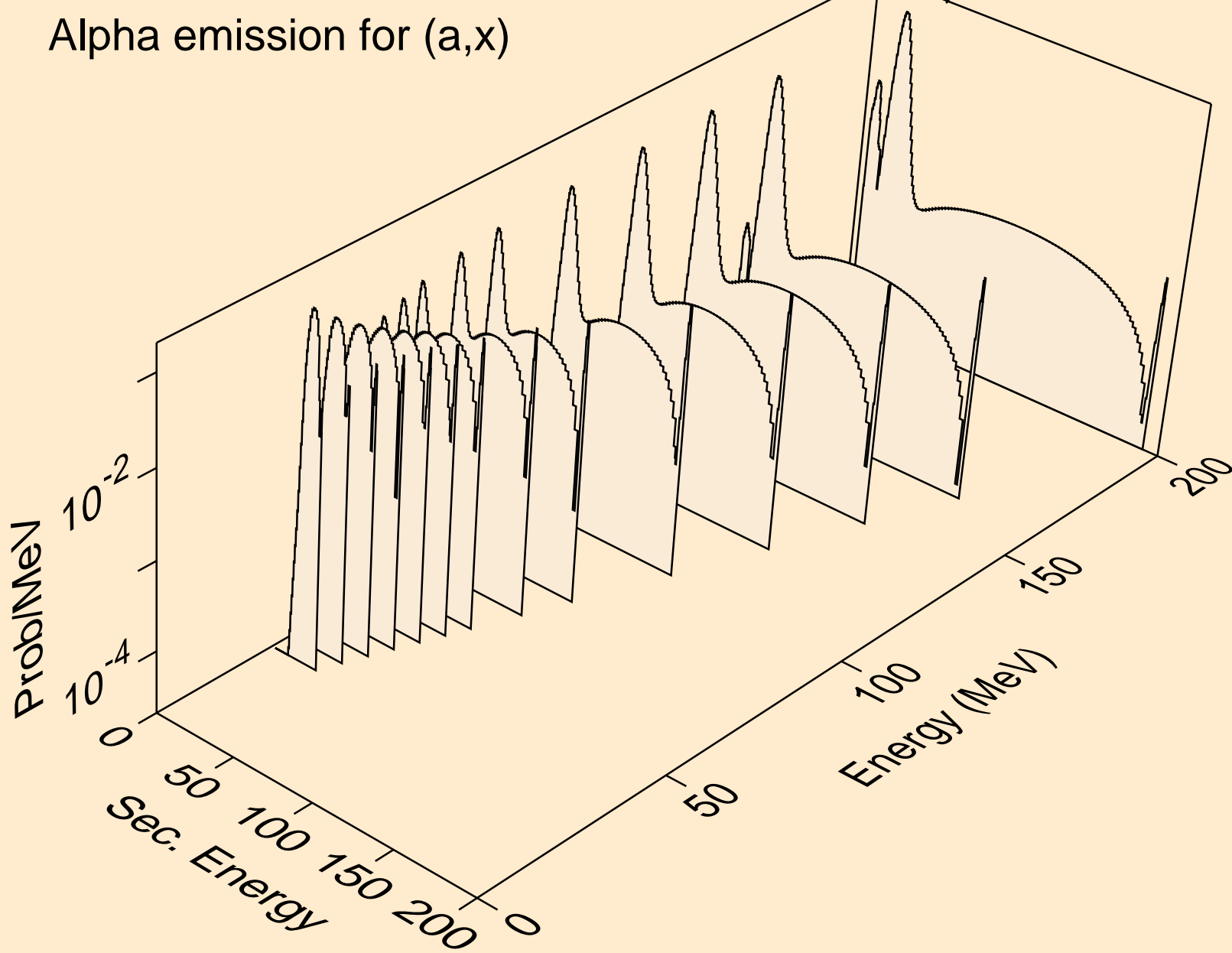




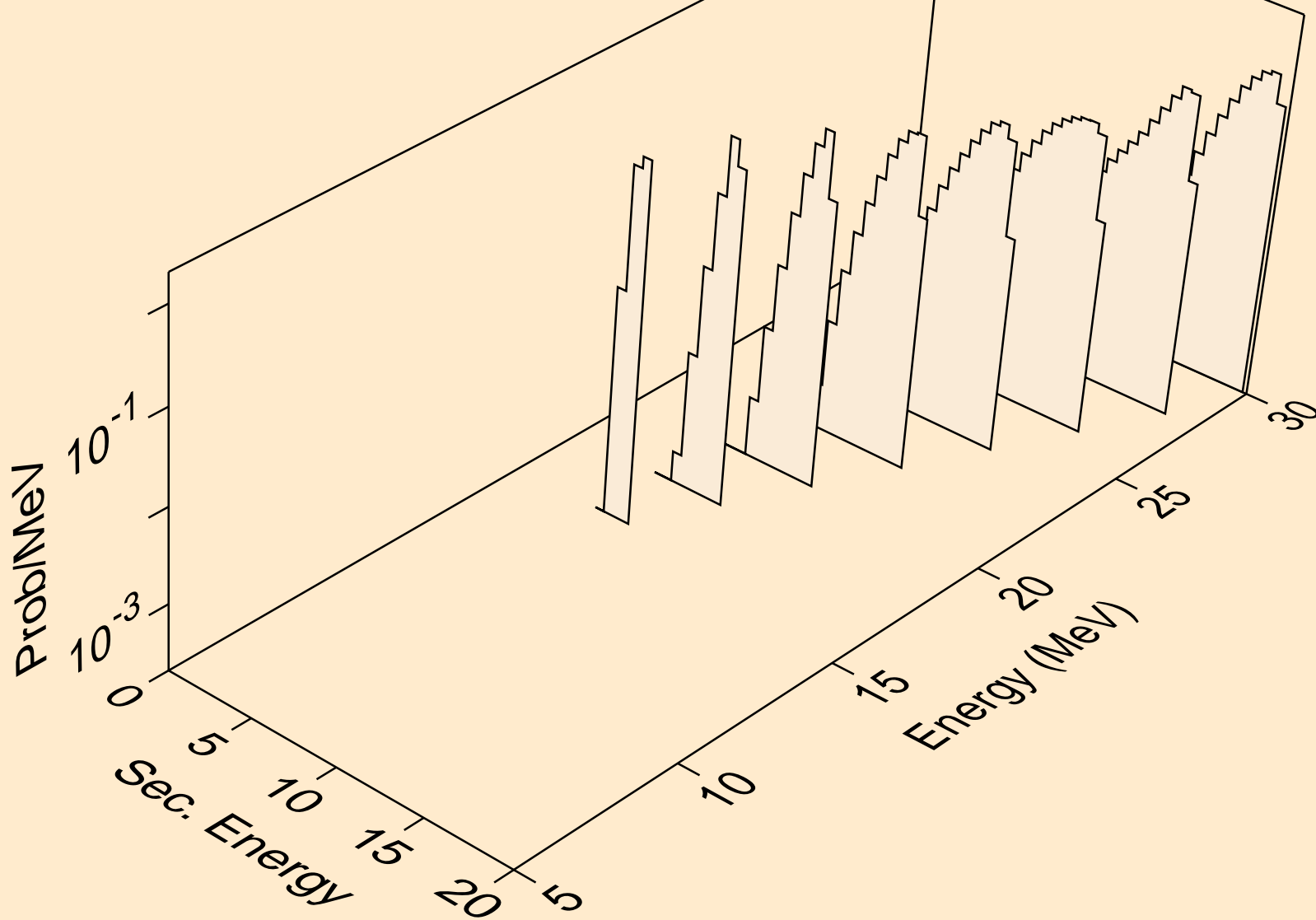
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



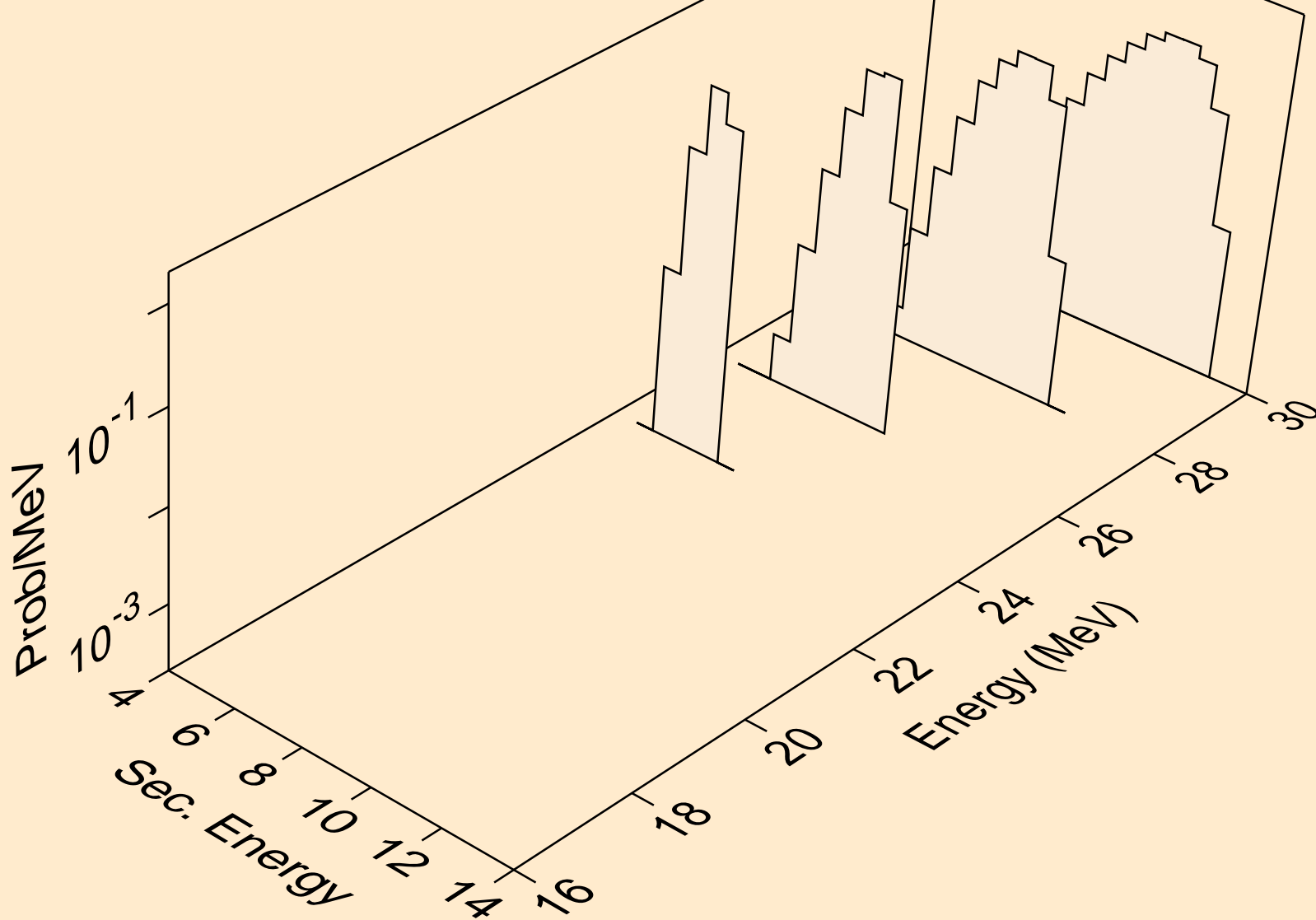
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,x)



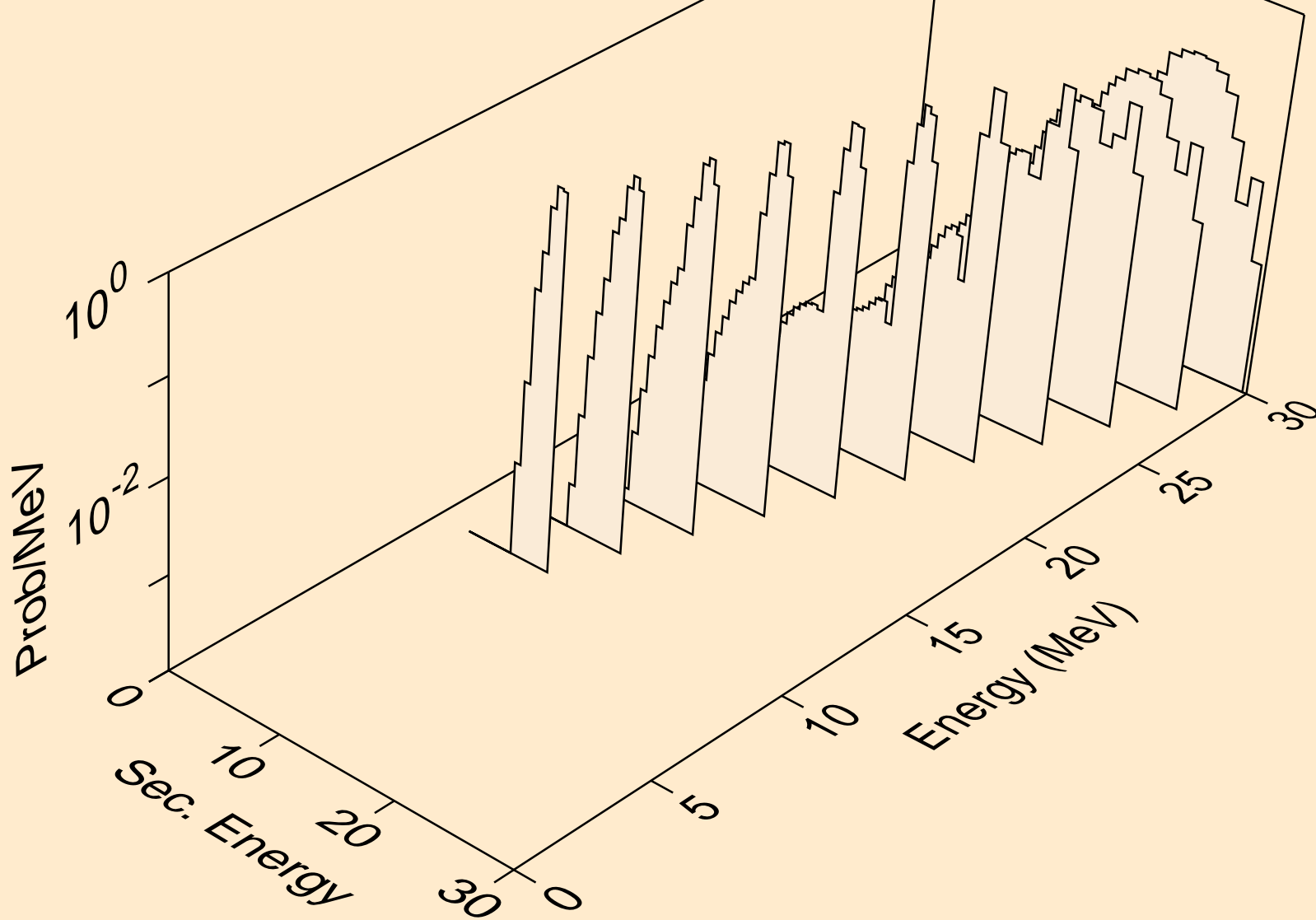
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a



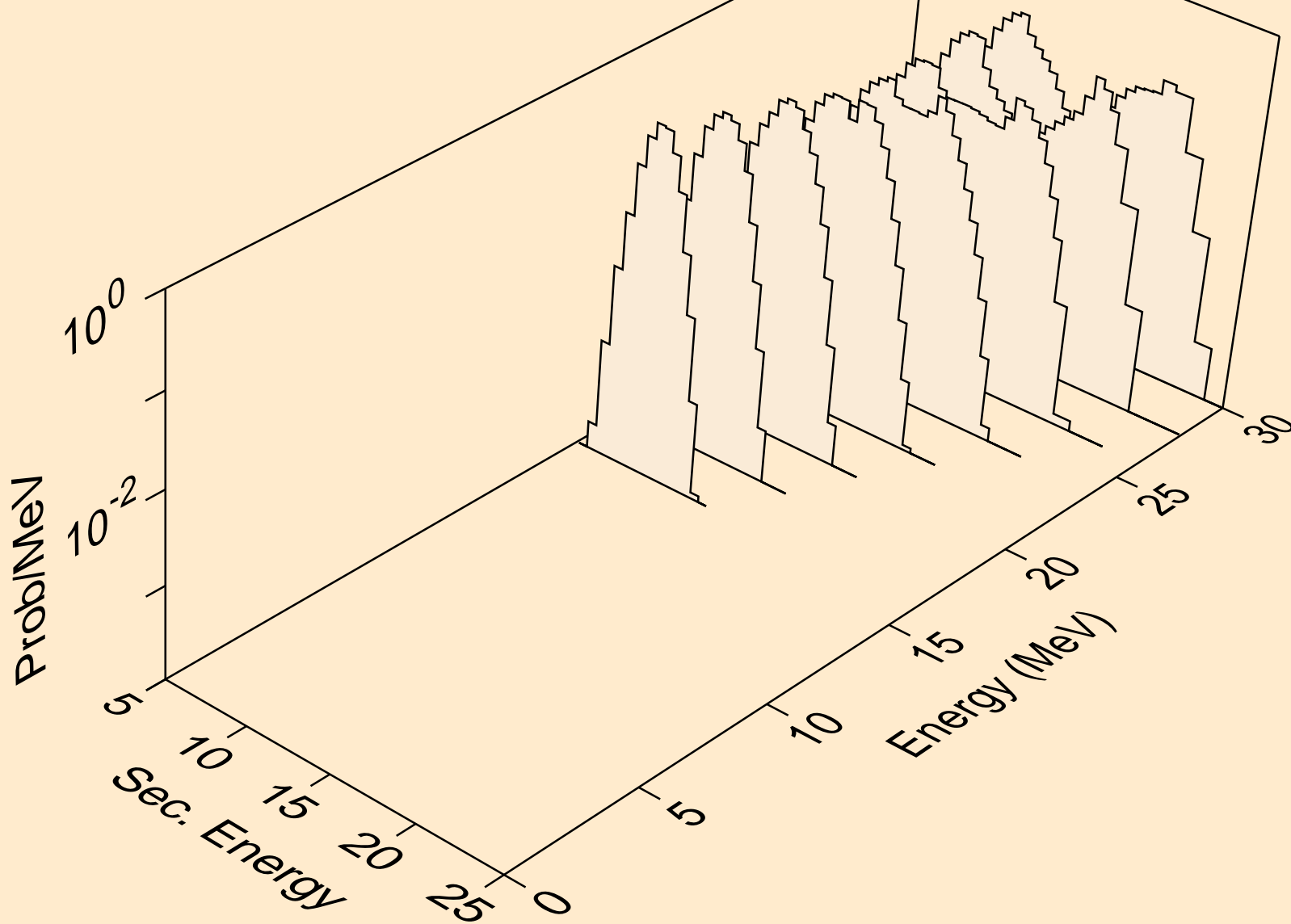
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2n)a



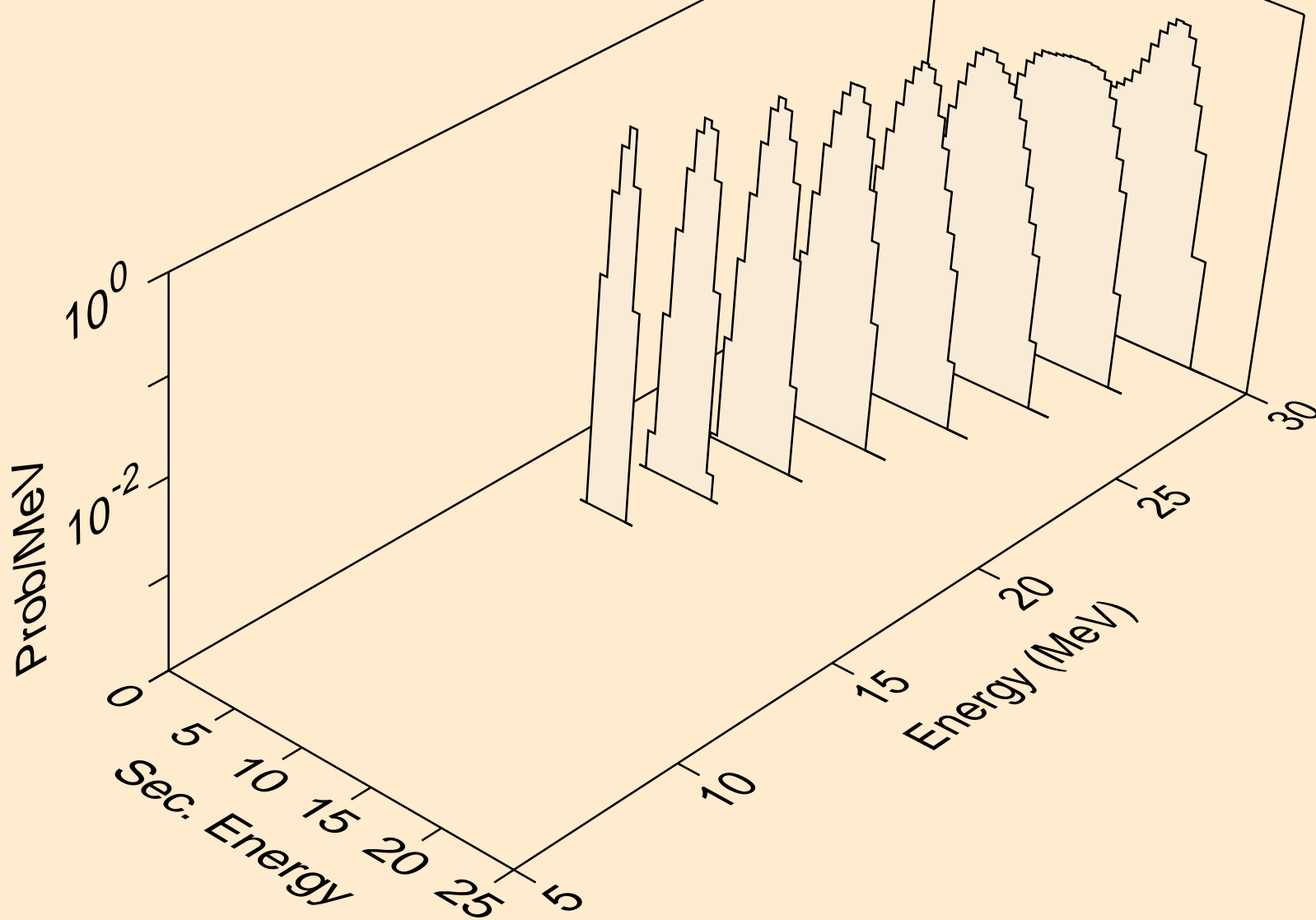
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for inelastic



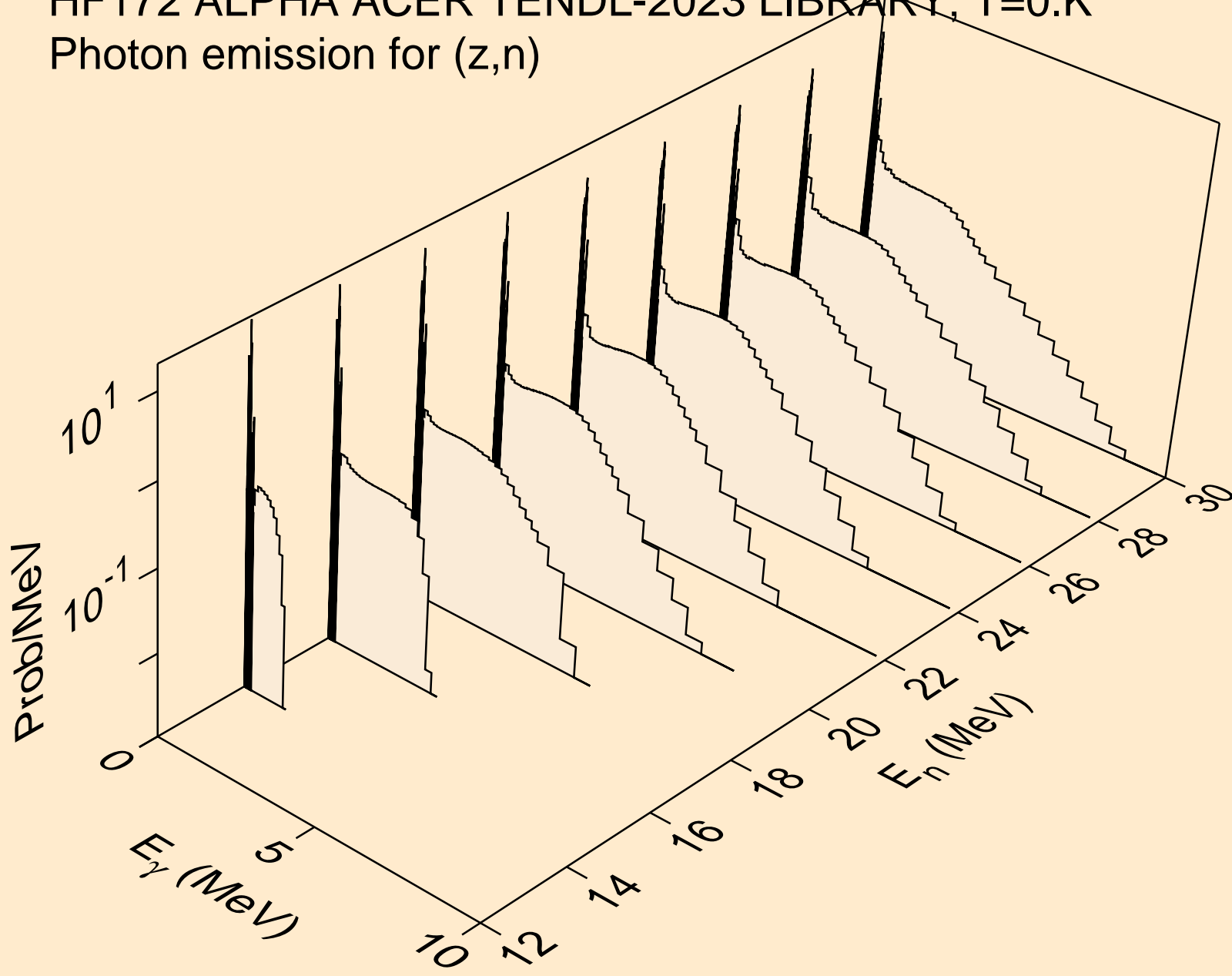
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2a)



HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,pa)

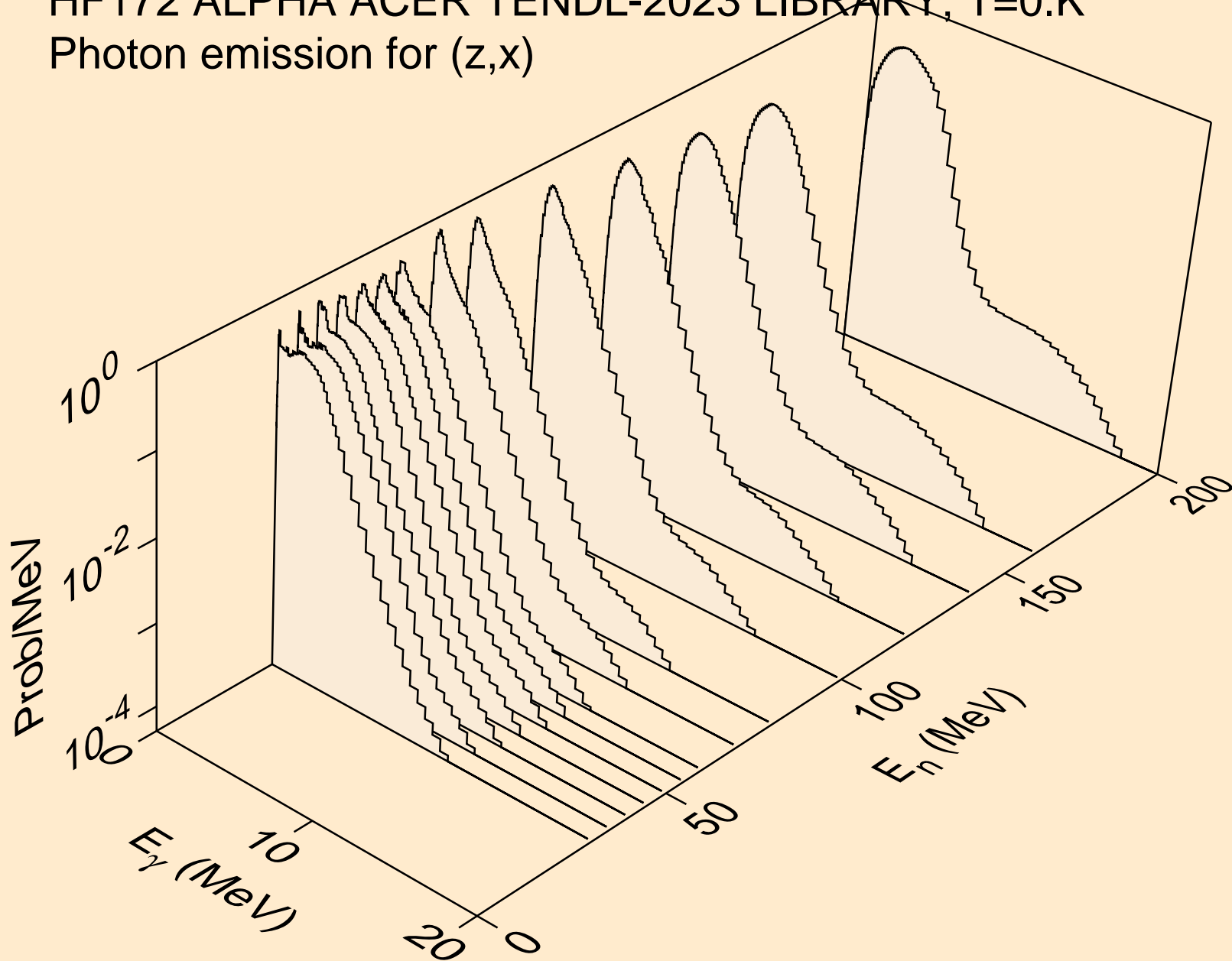


HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)

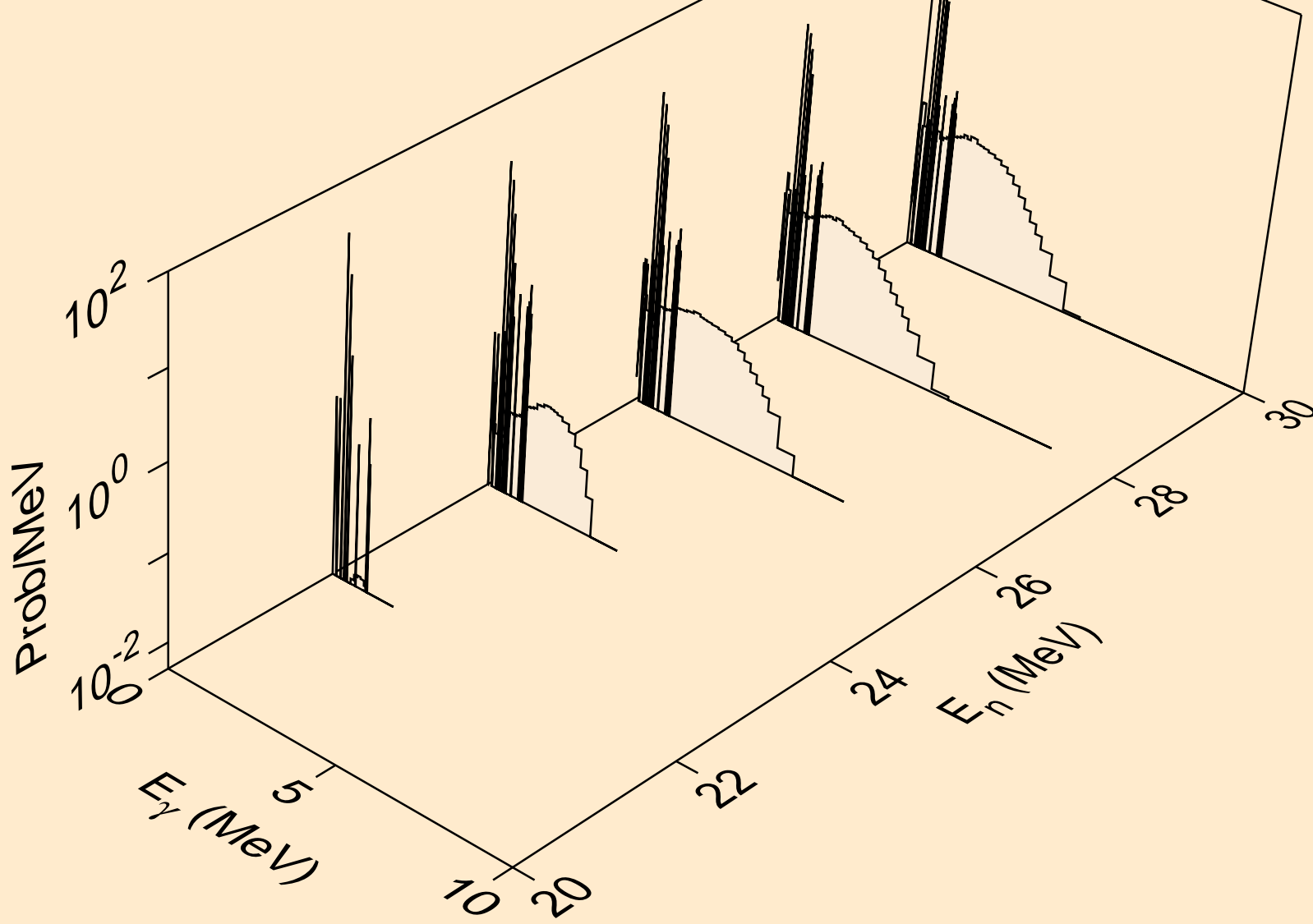




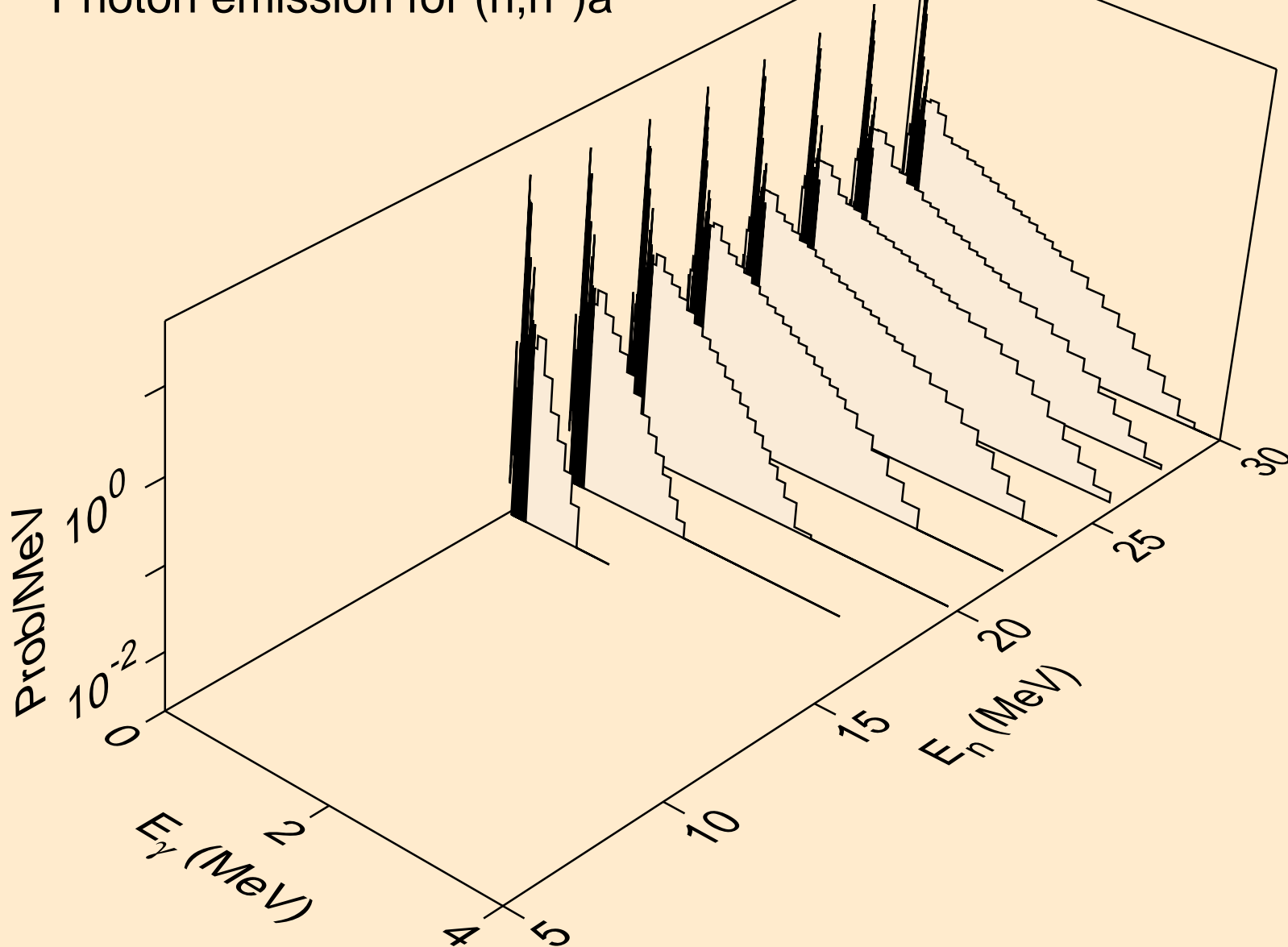
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



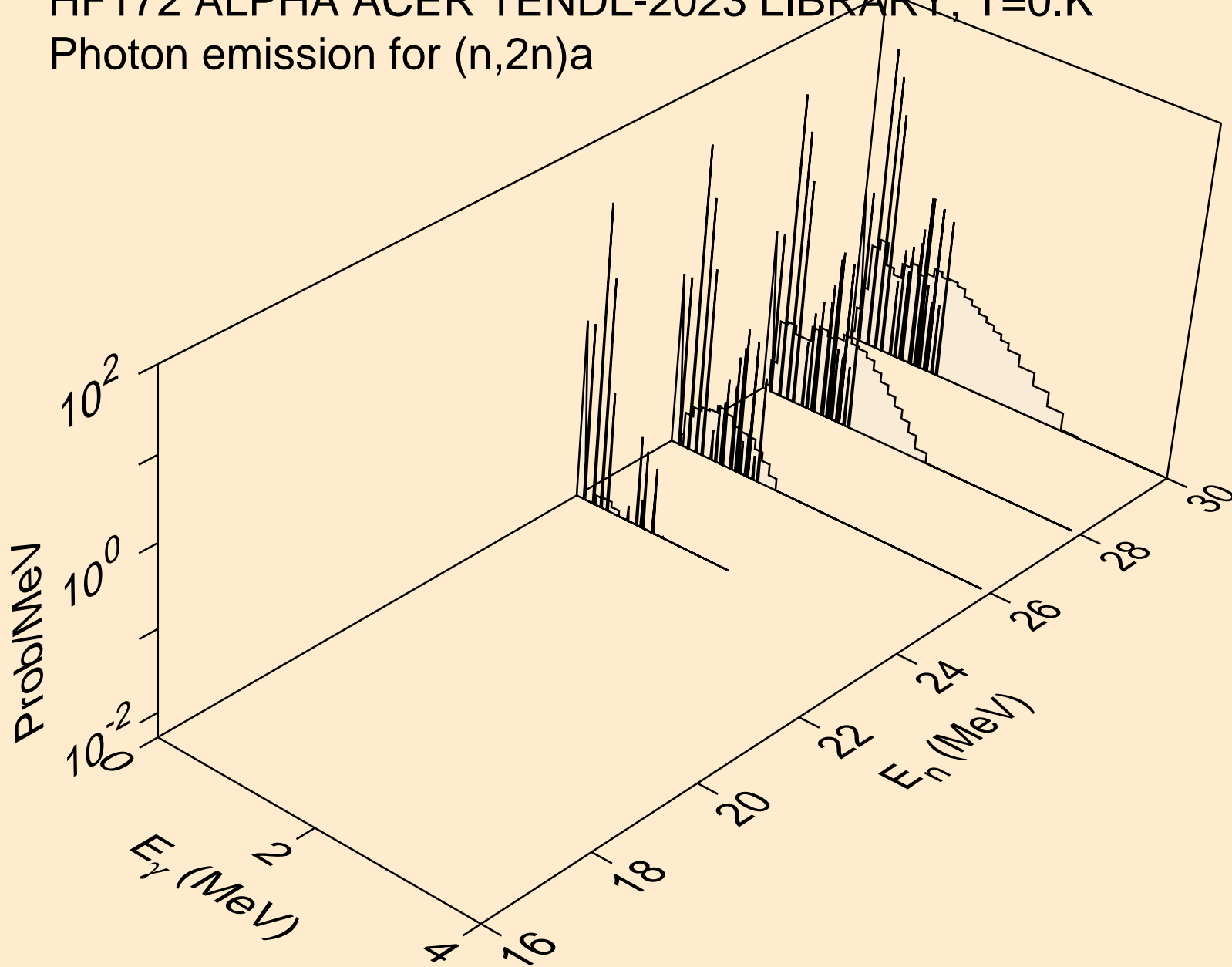
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



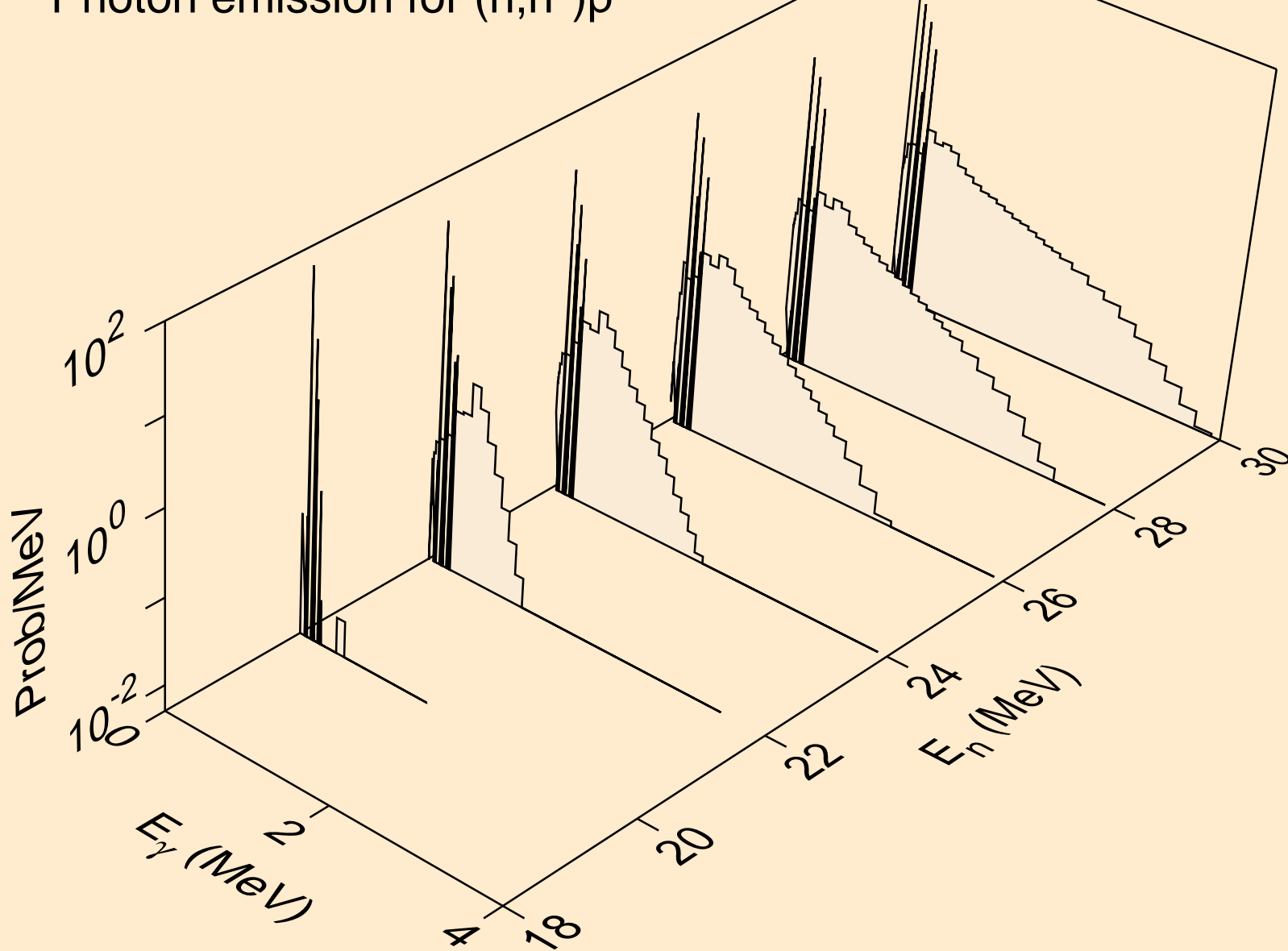
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



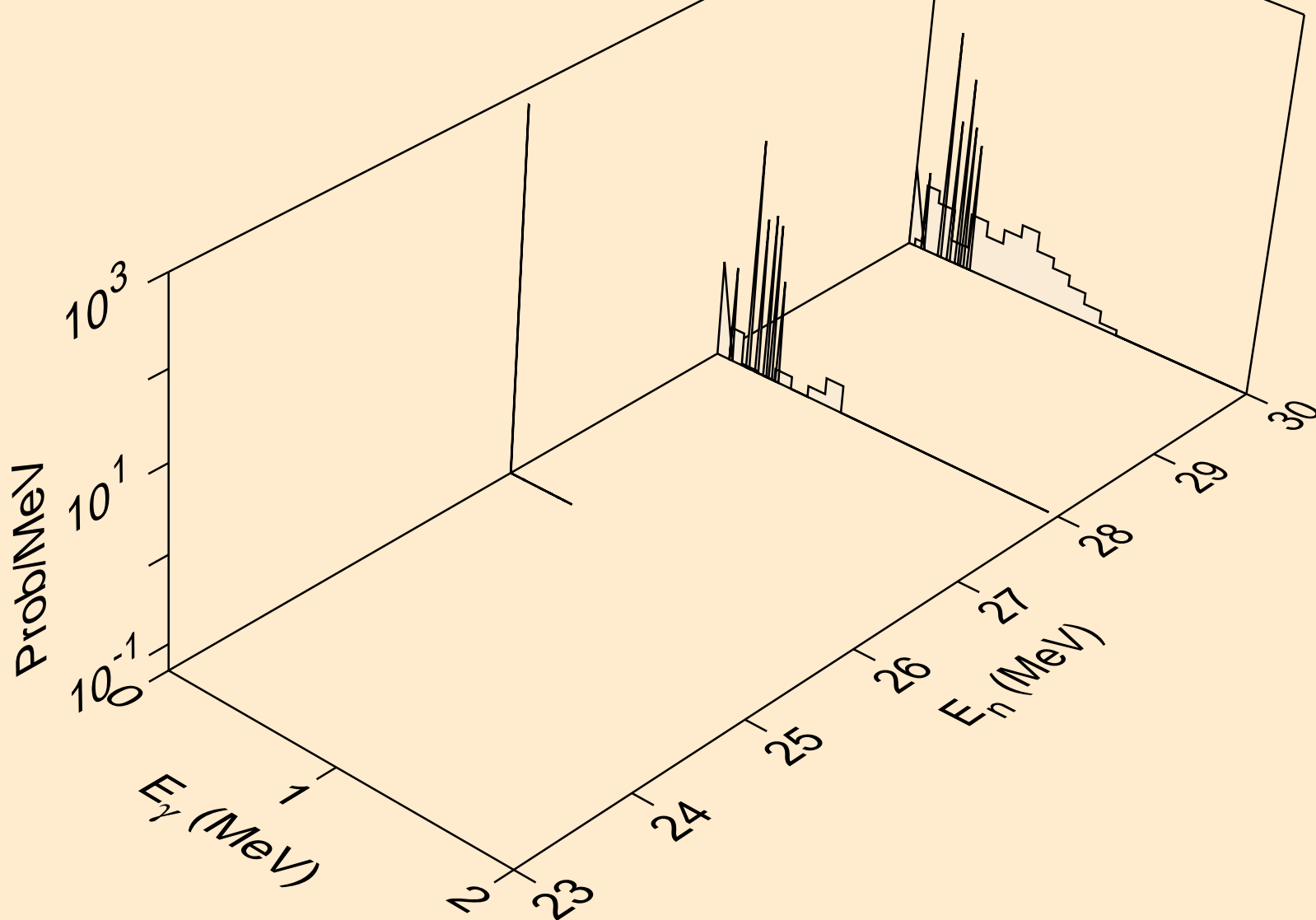
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



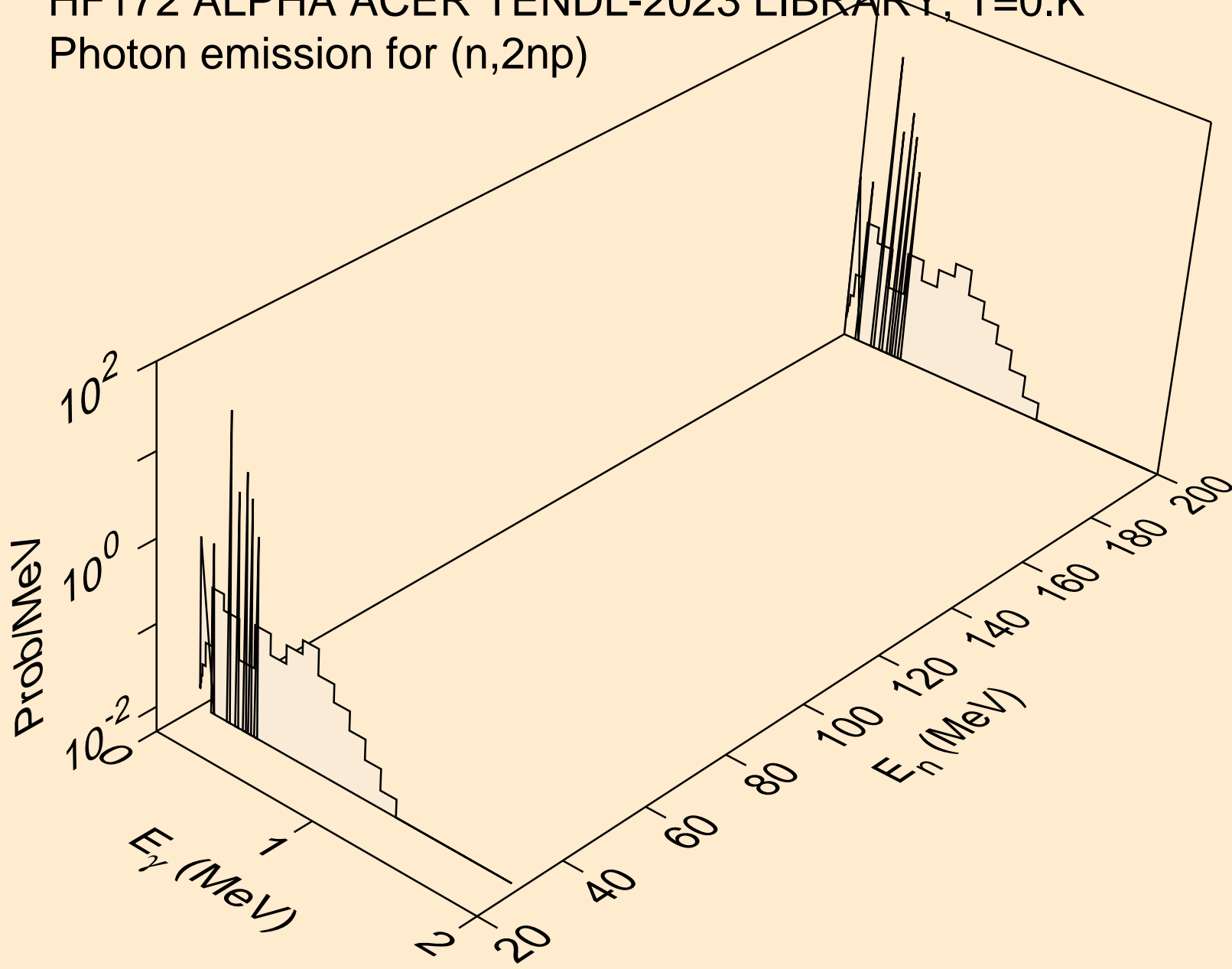
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



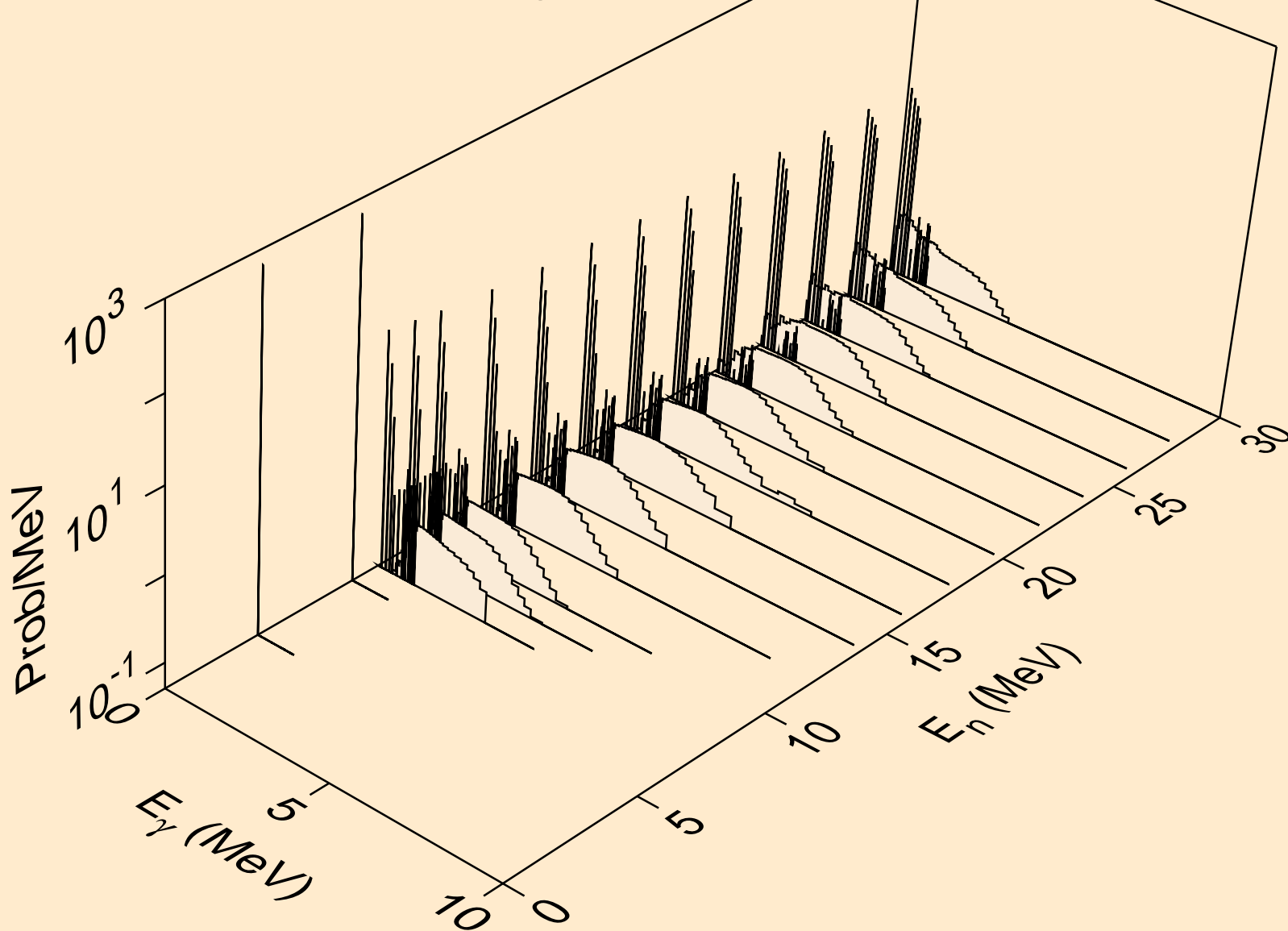
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

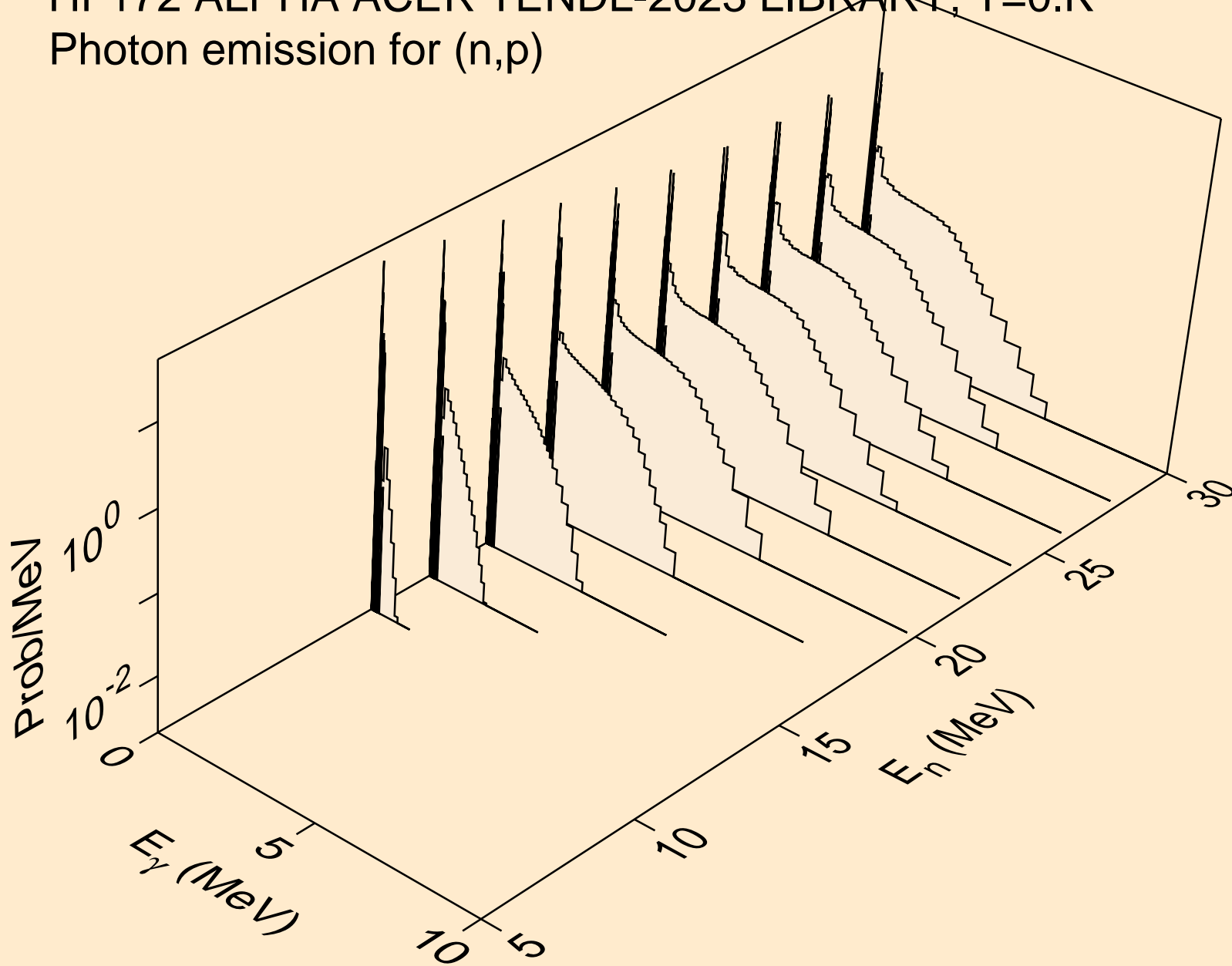


HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)

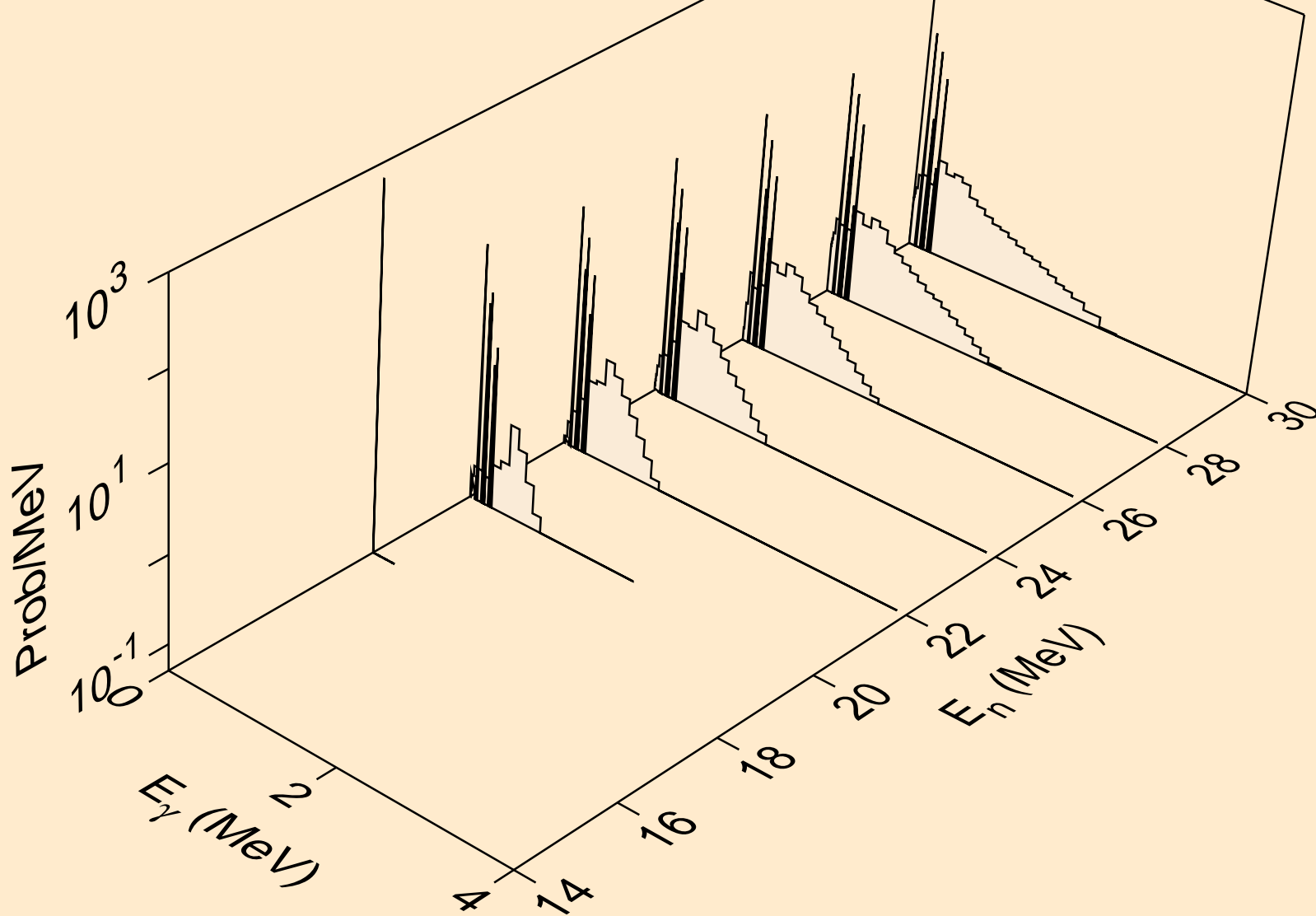




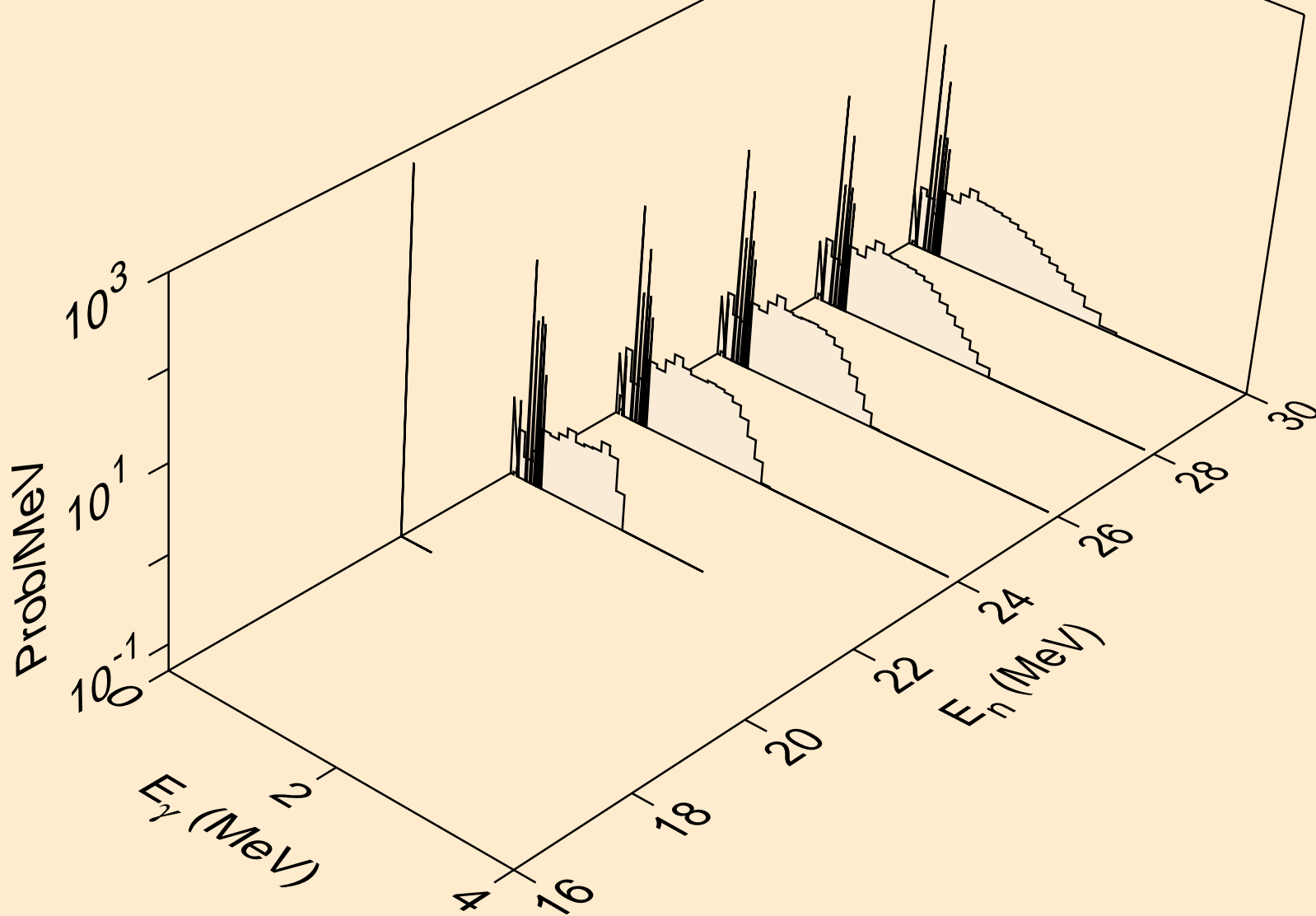
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



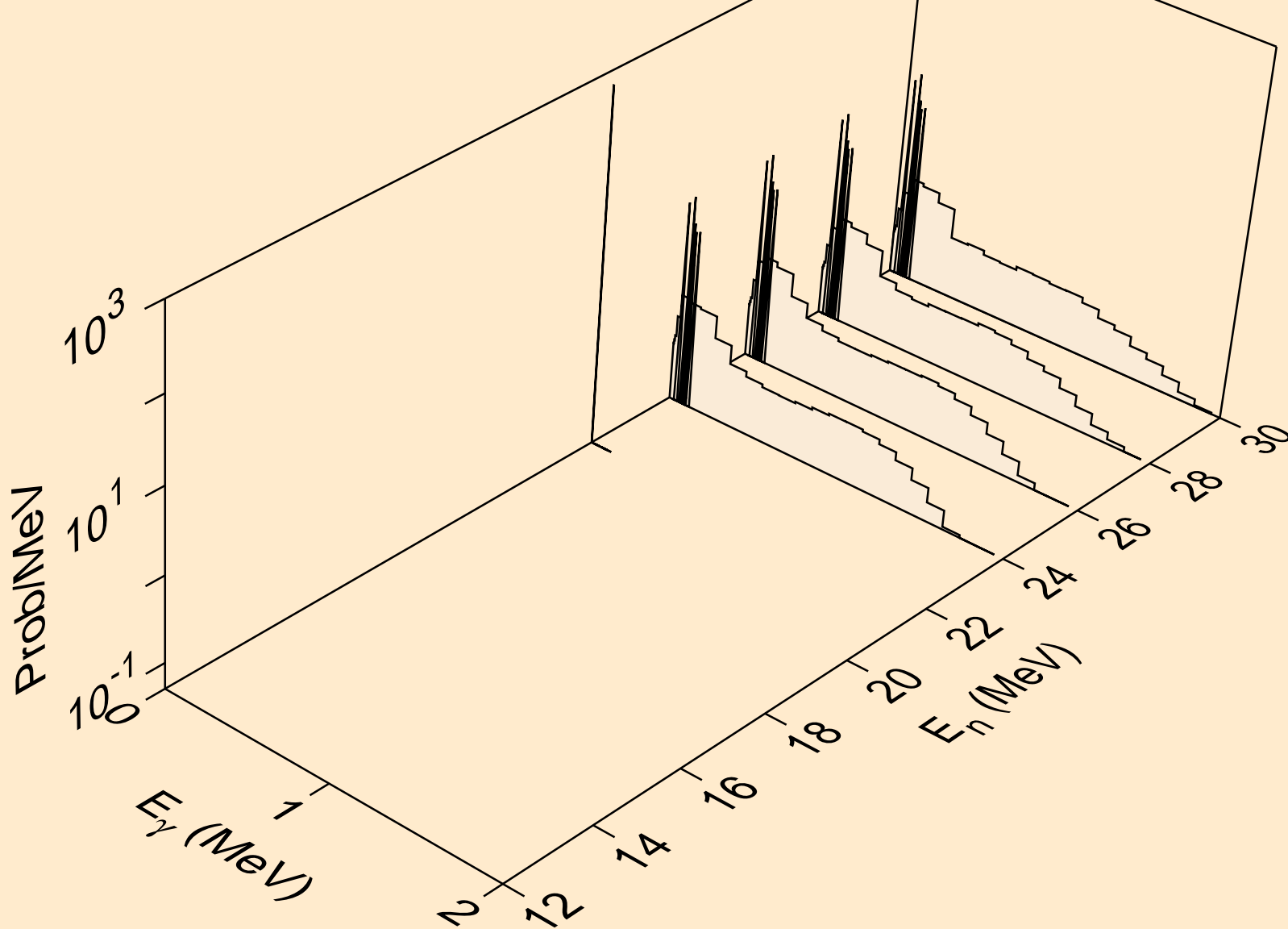
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Photon emission for (n,d)



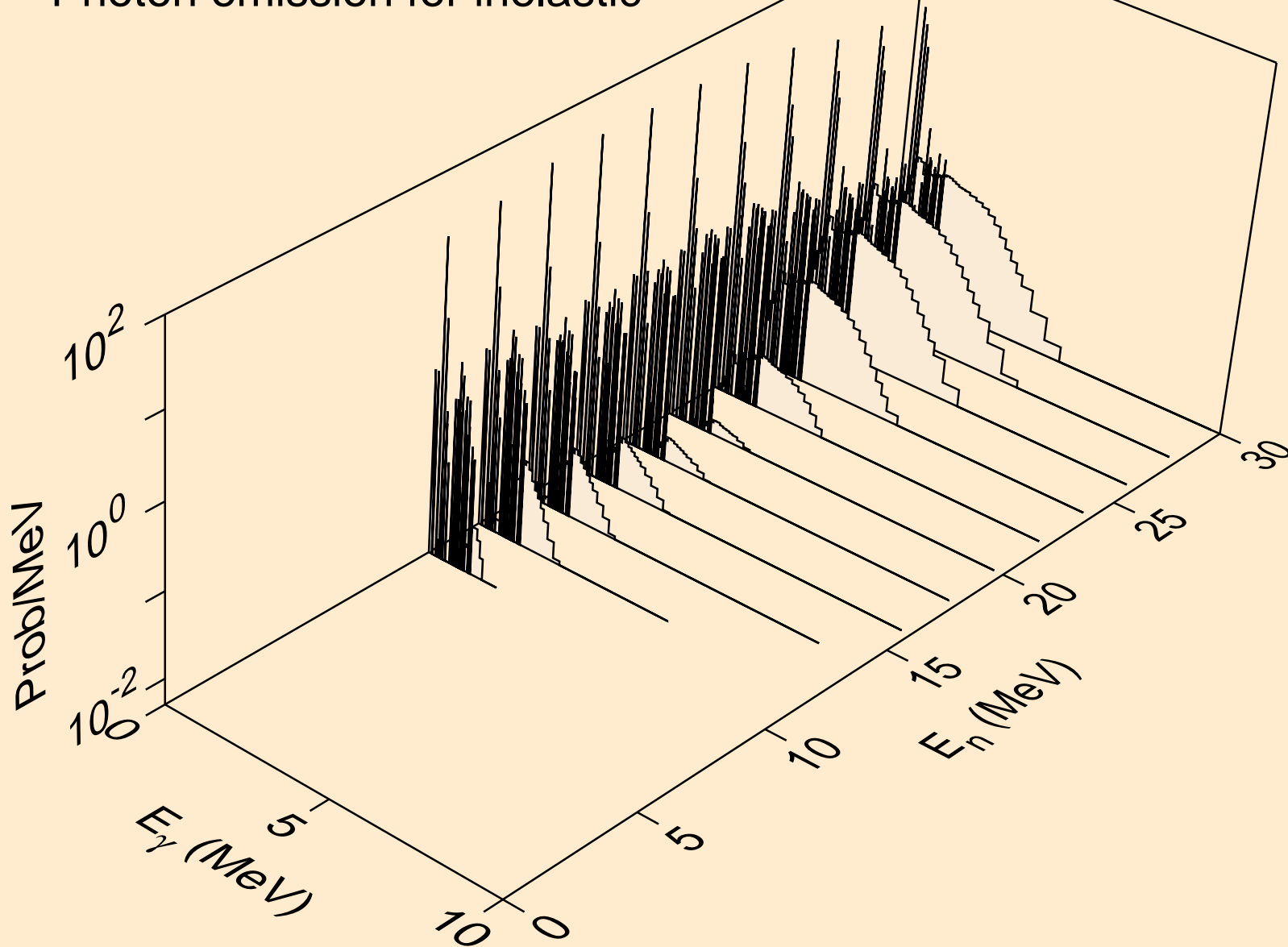
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



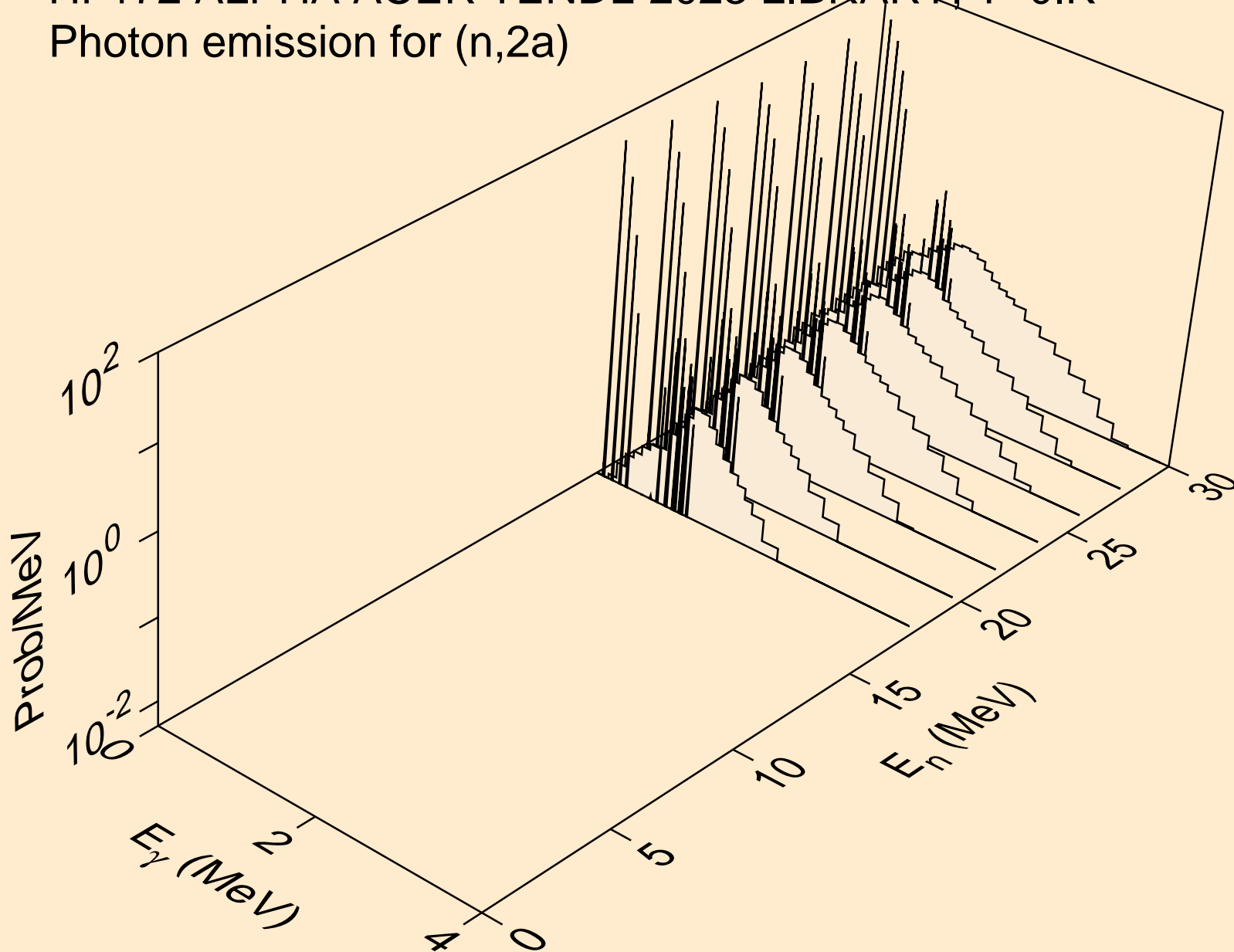
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



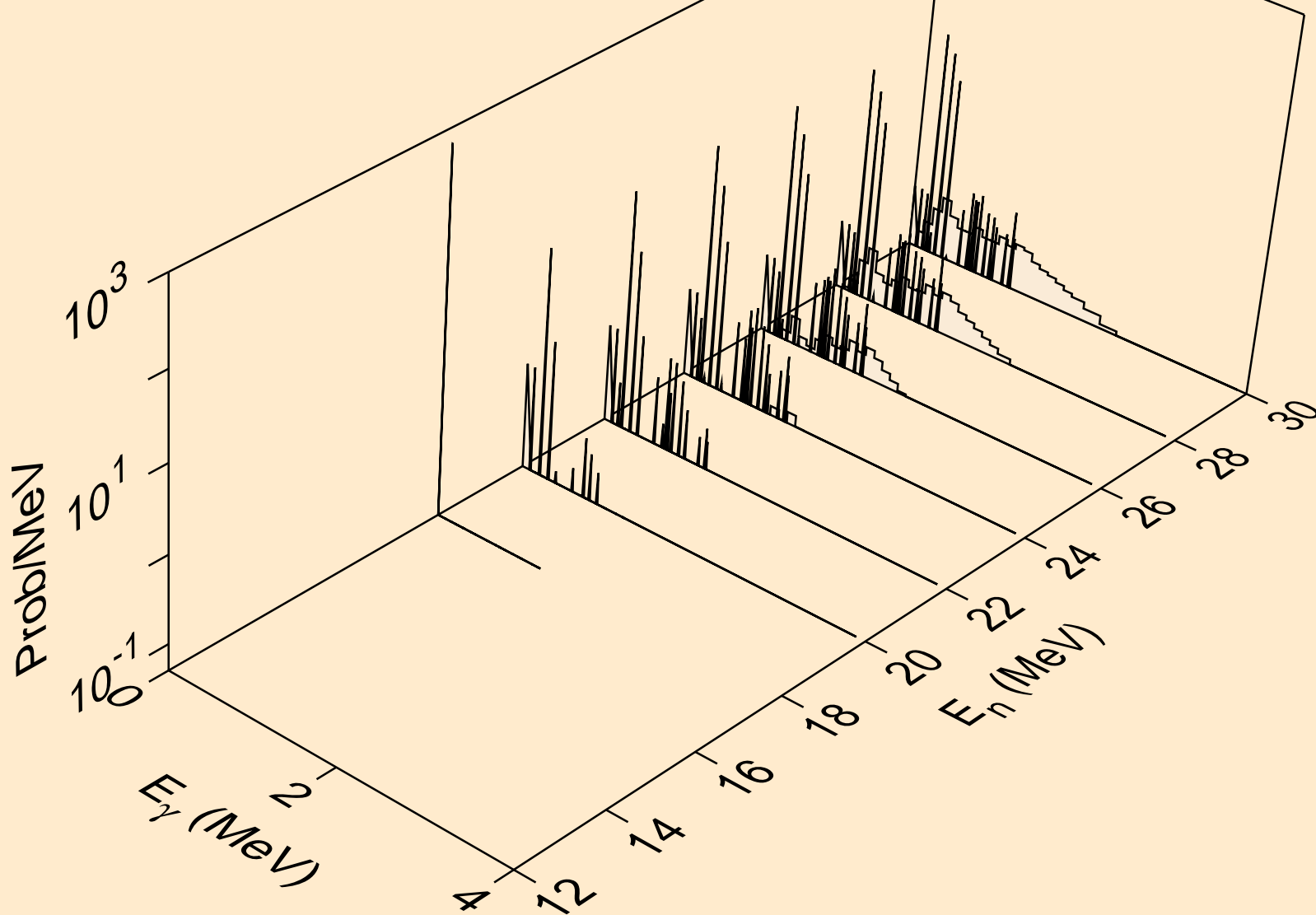
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



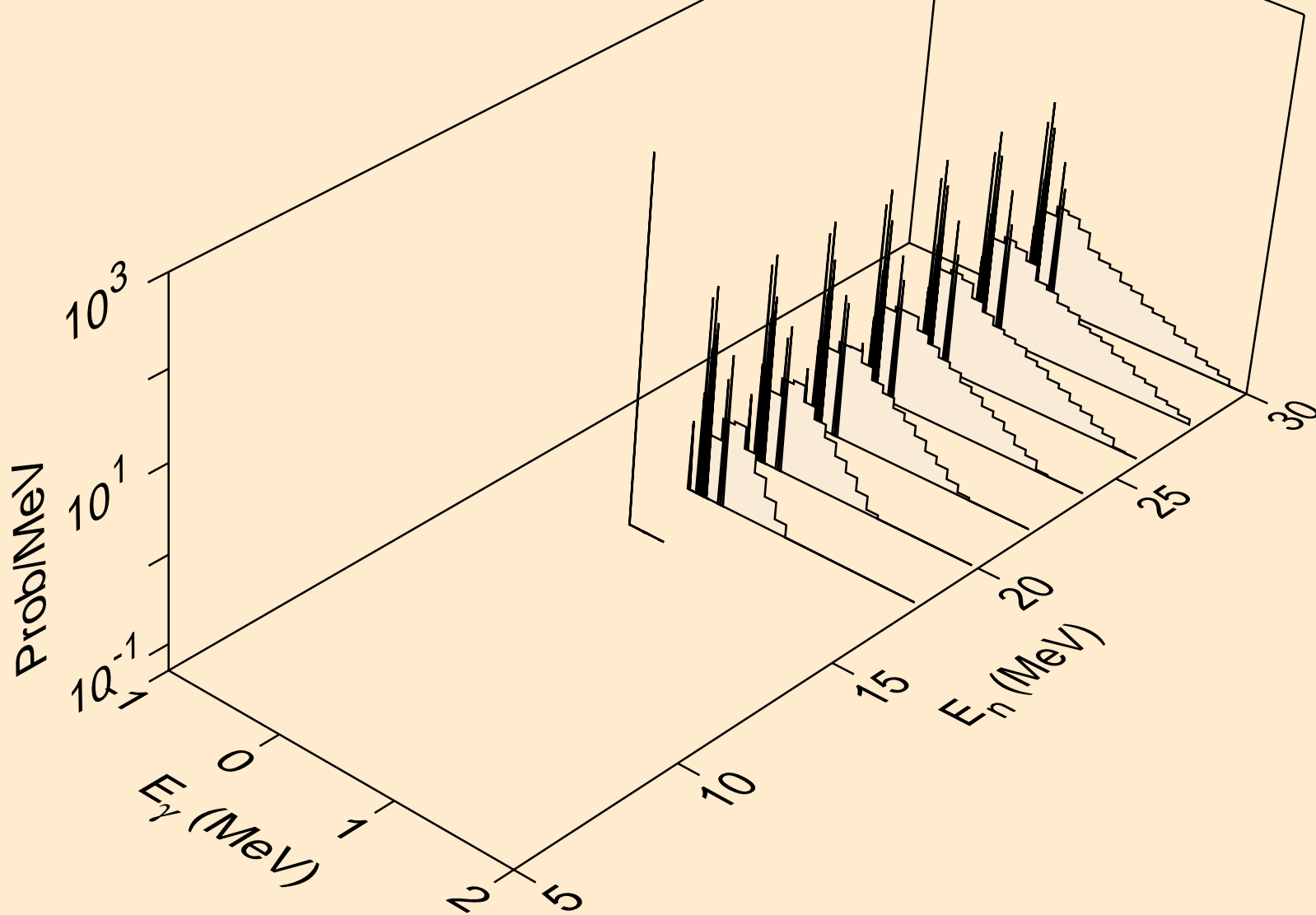
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



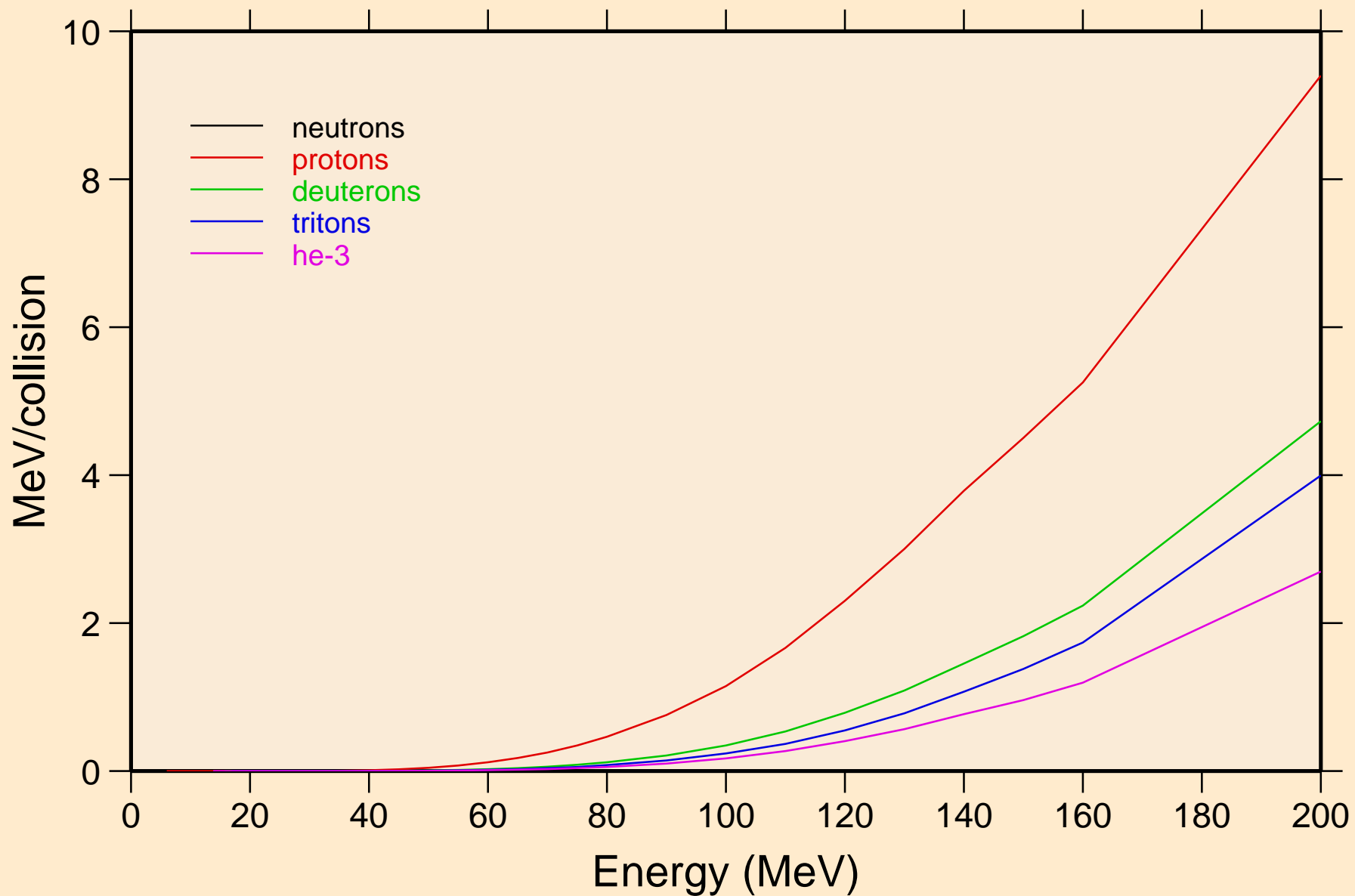
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)





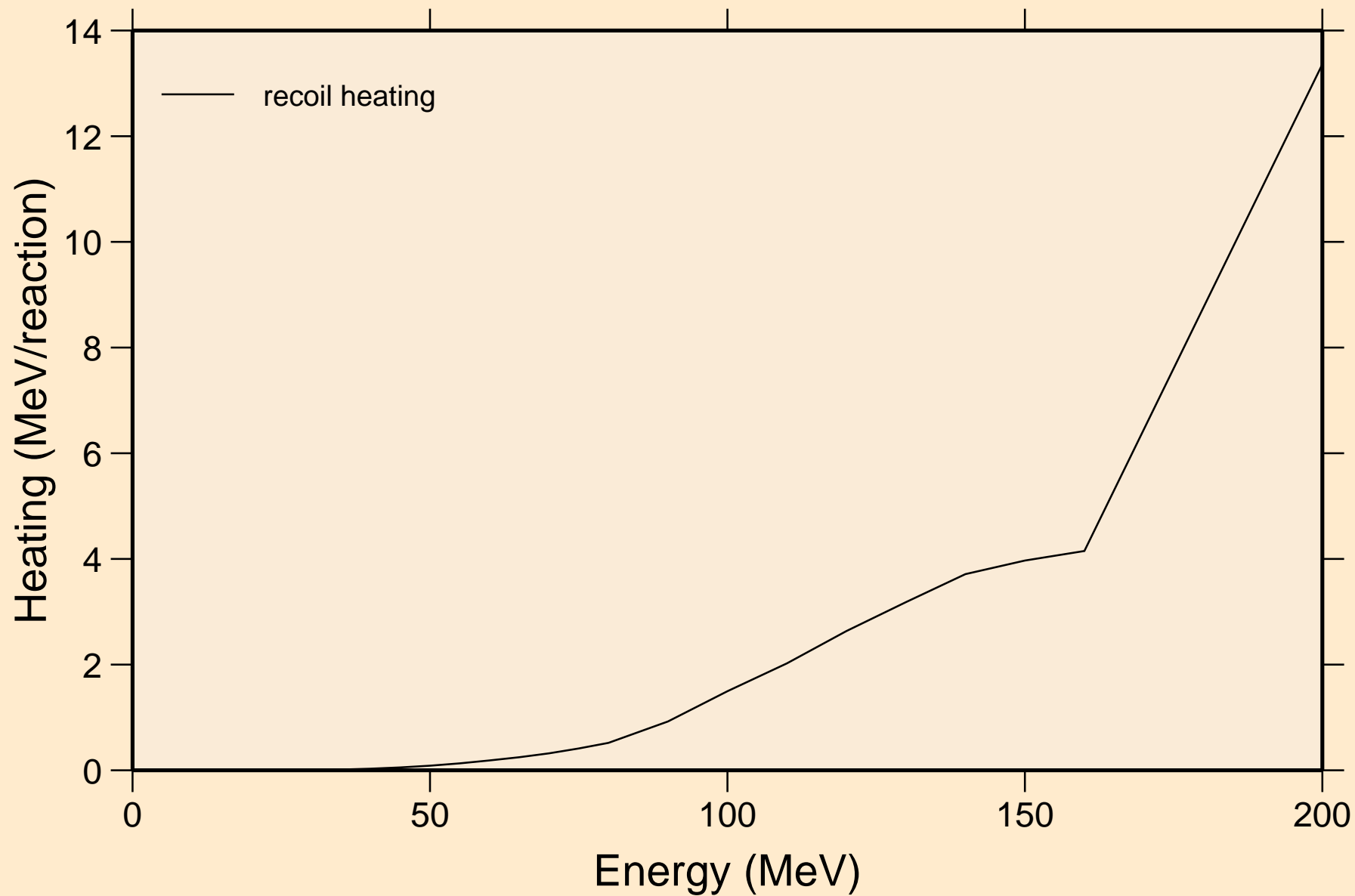
# HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



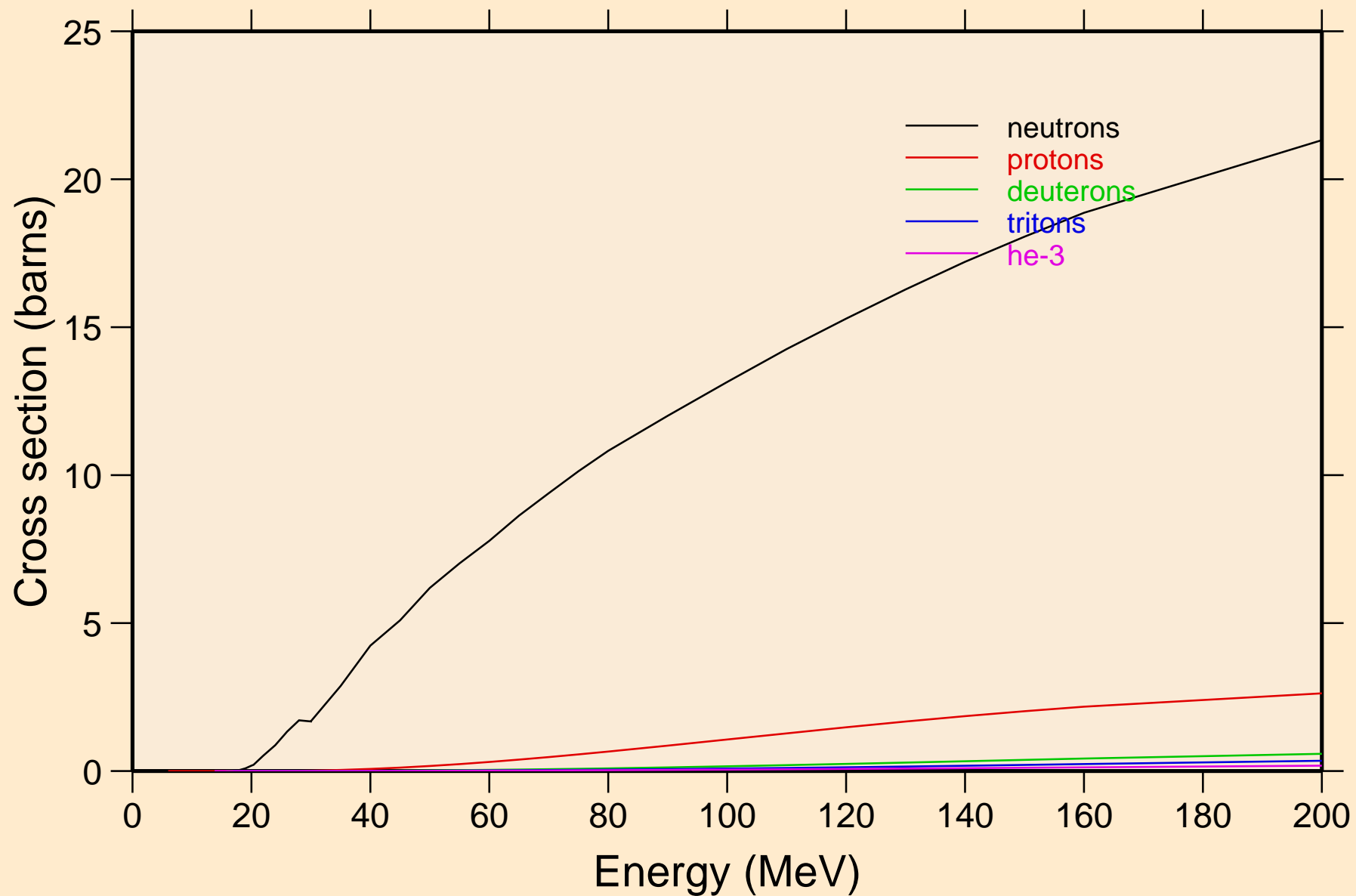
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## Recoil Heating

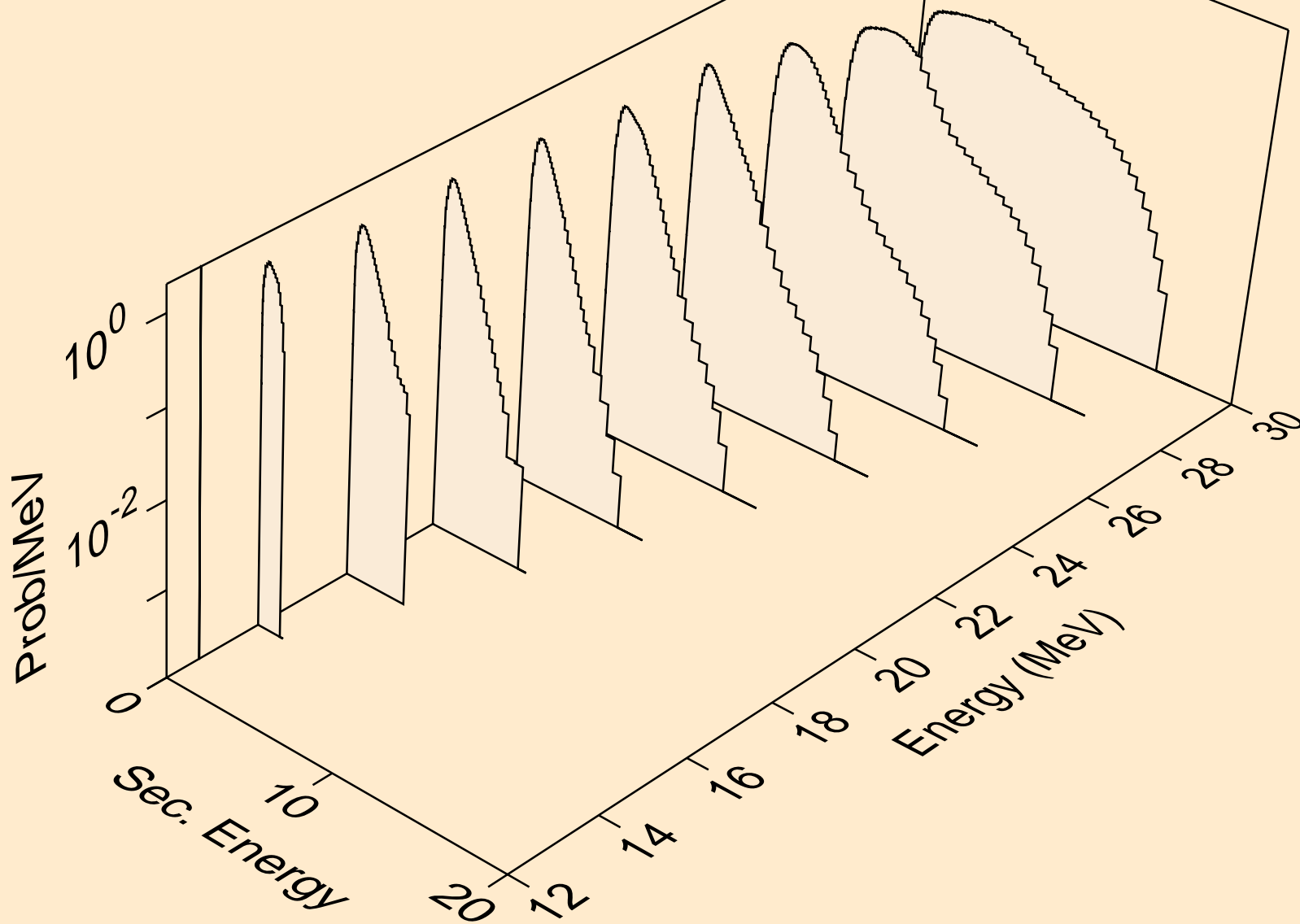


# HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

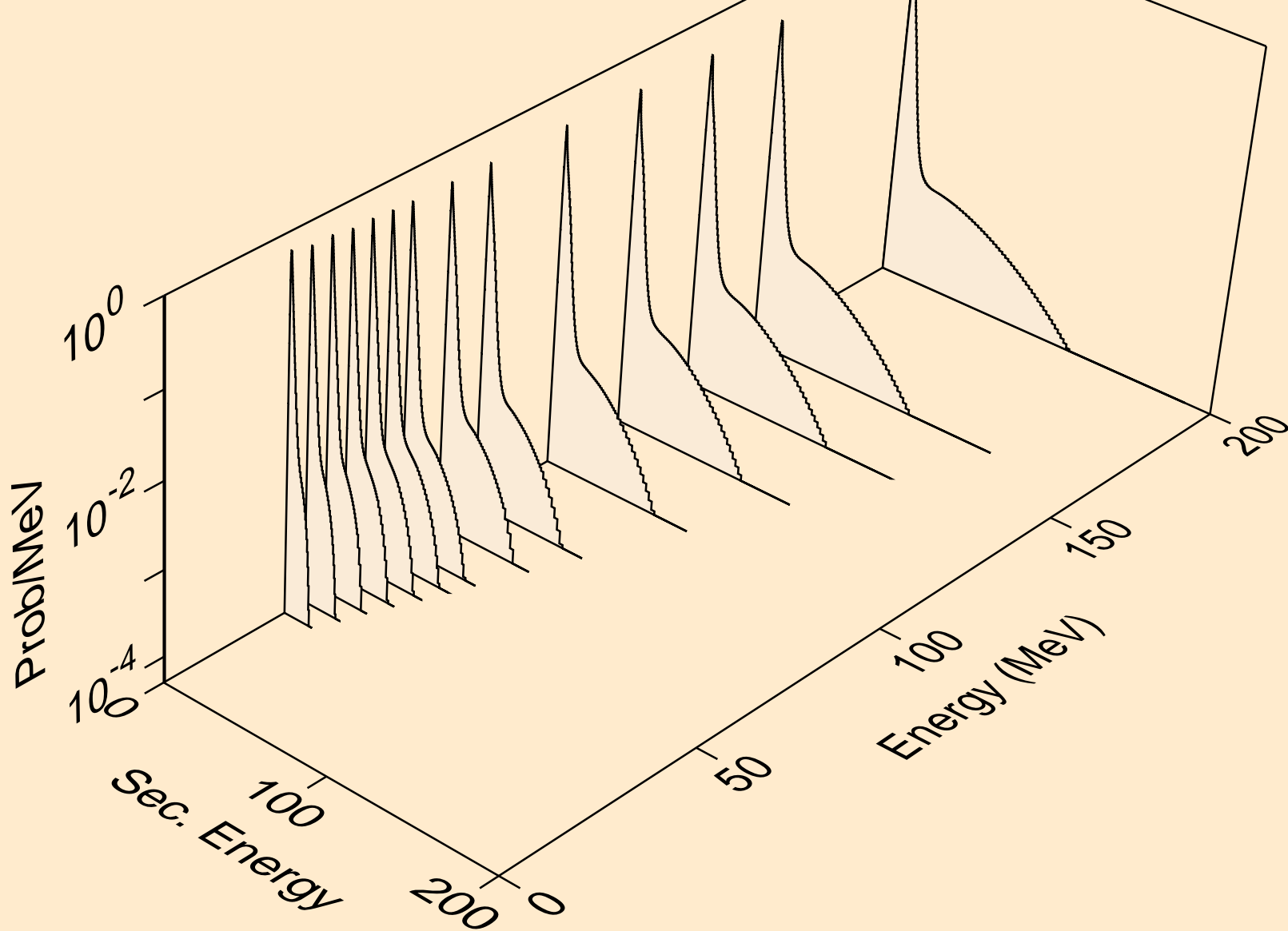
## Particle production cross sections



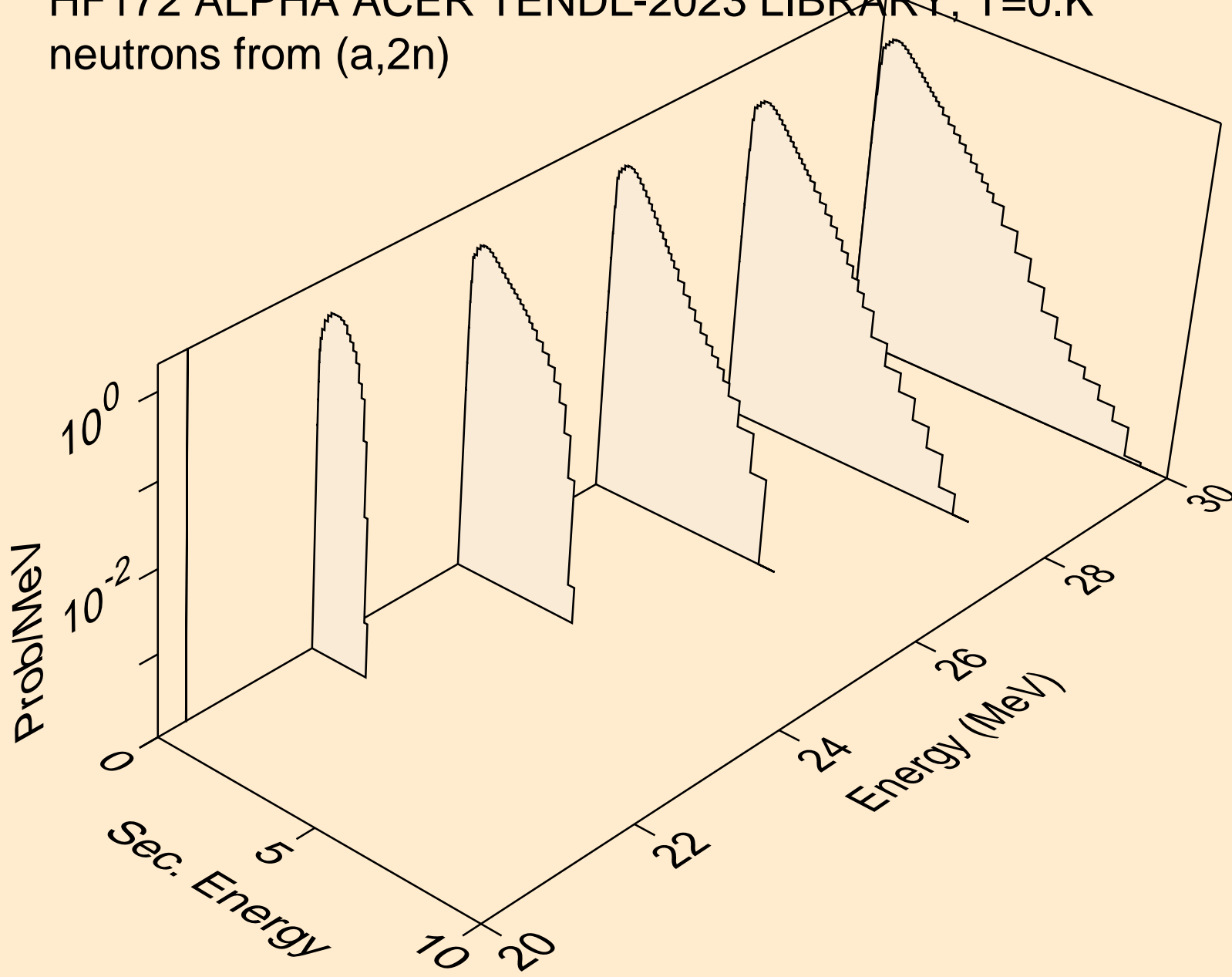
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n)



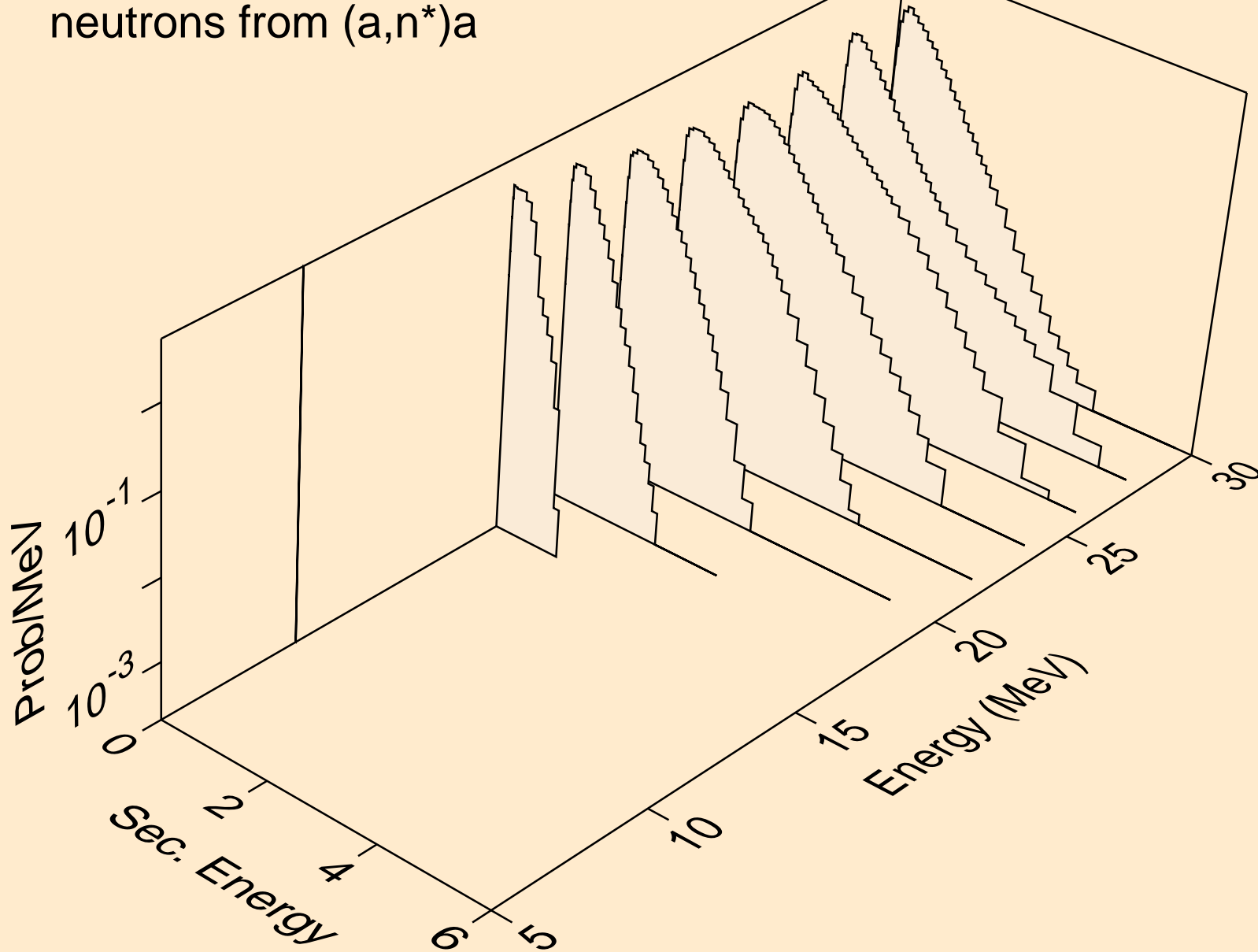
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,x)



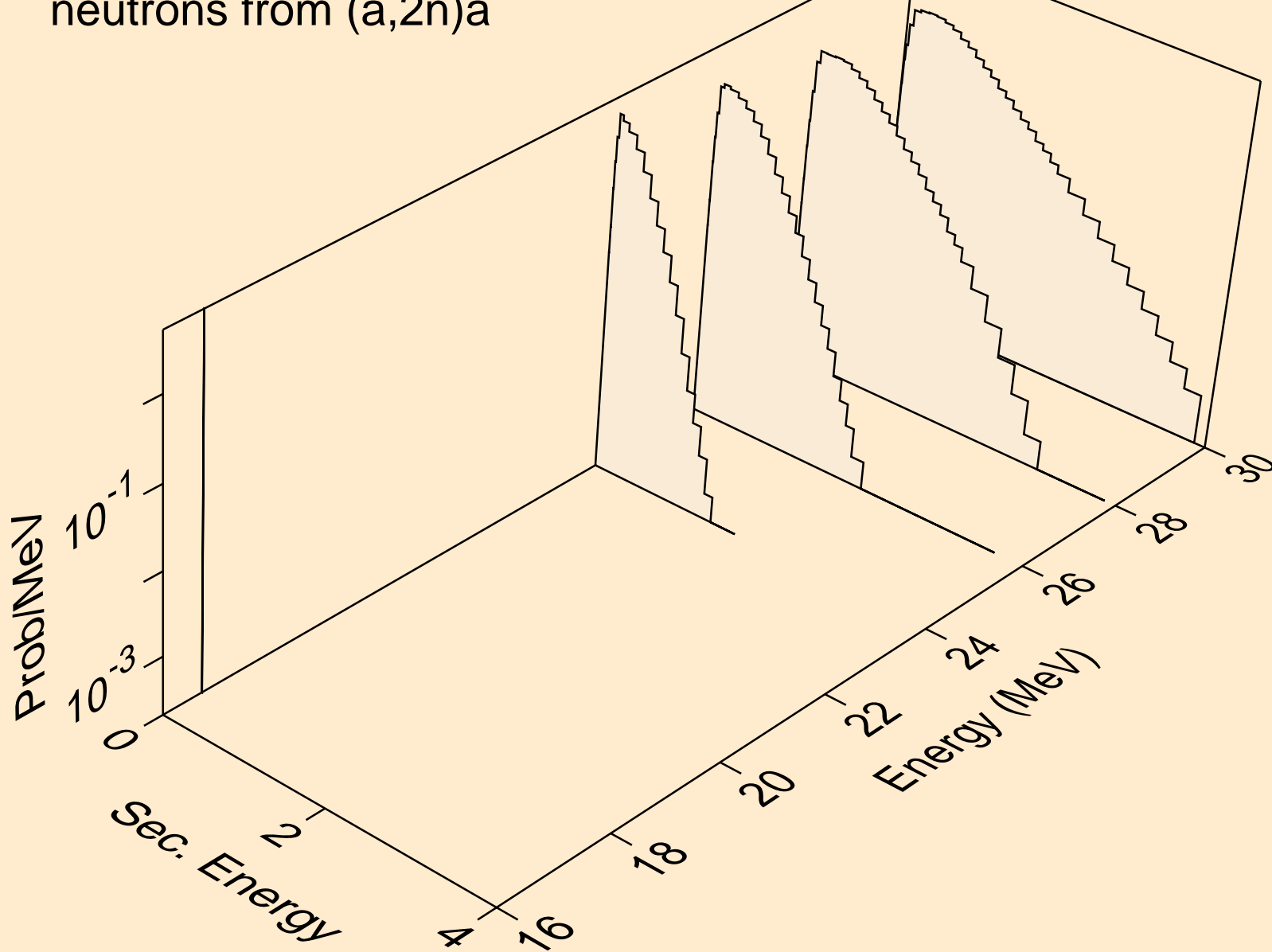
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2n)



HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)a

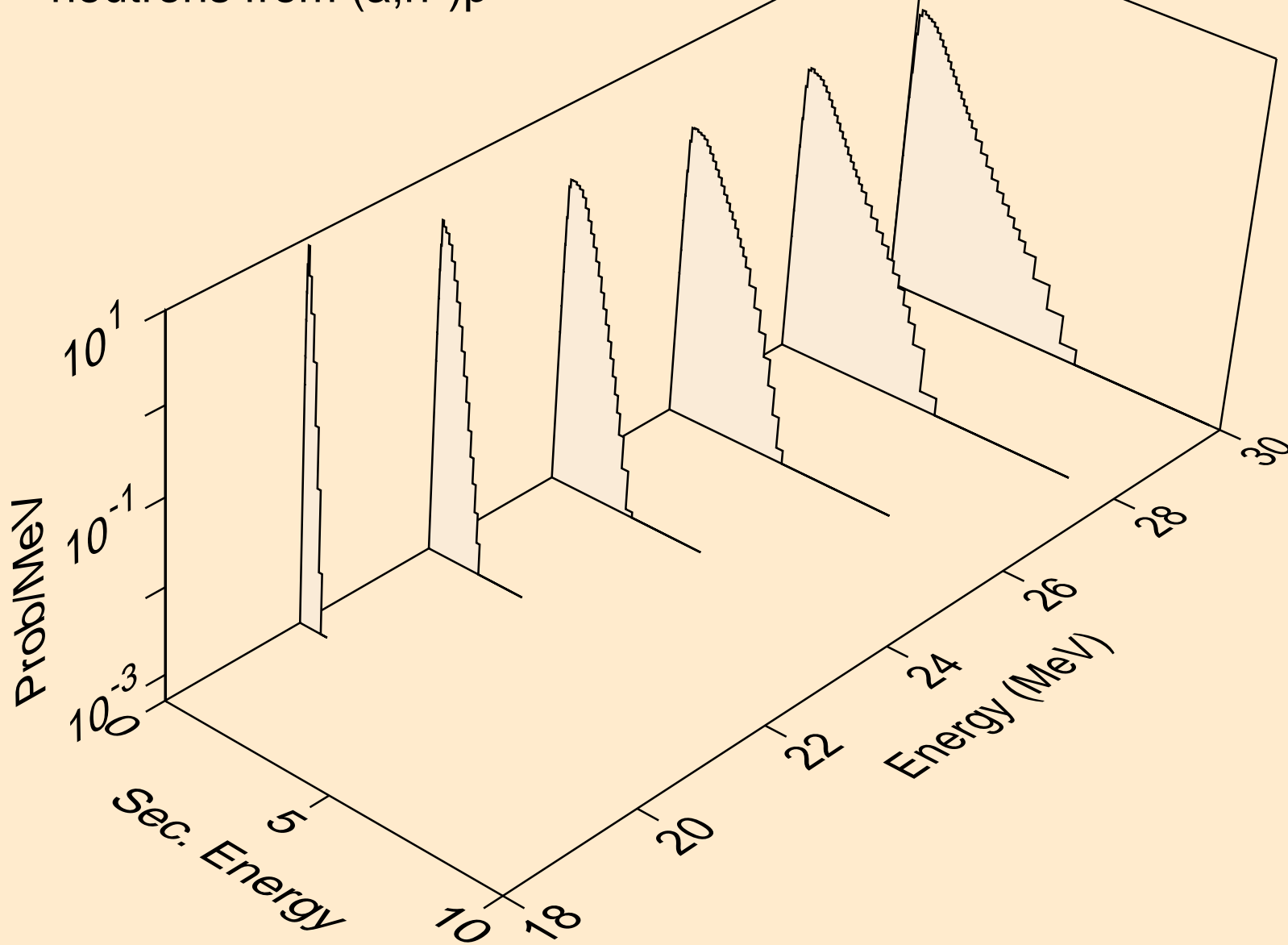


HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2n)a

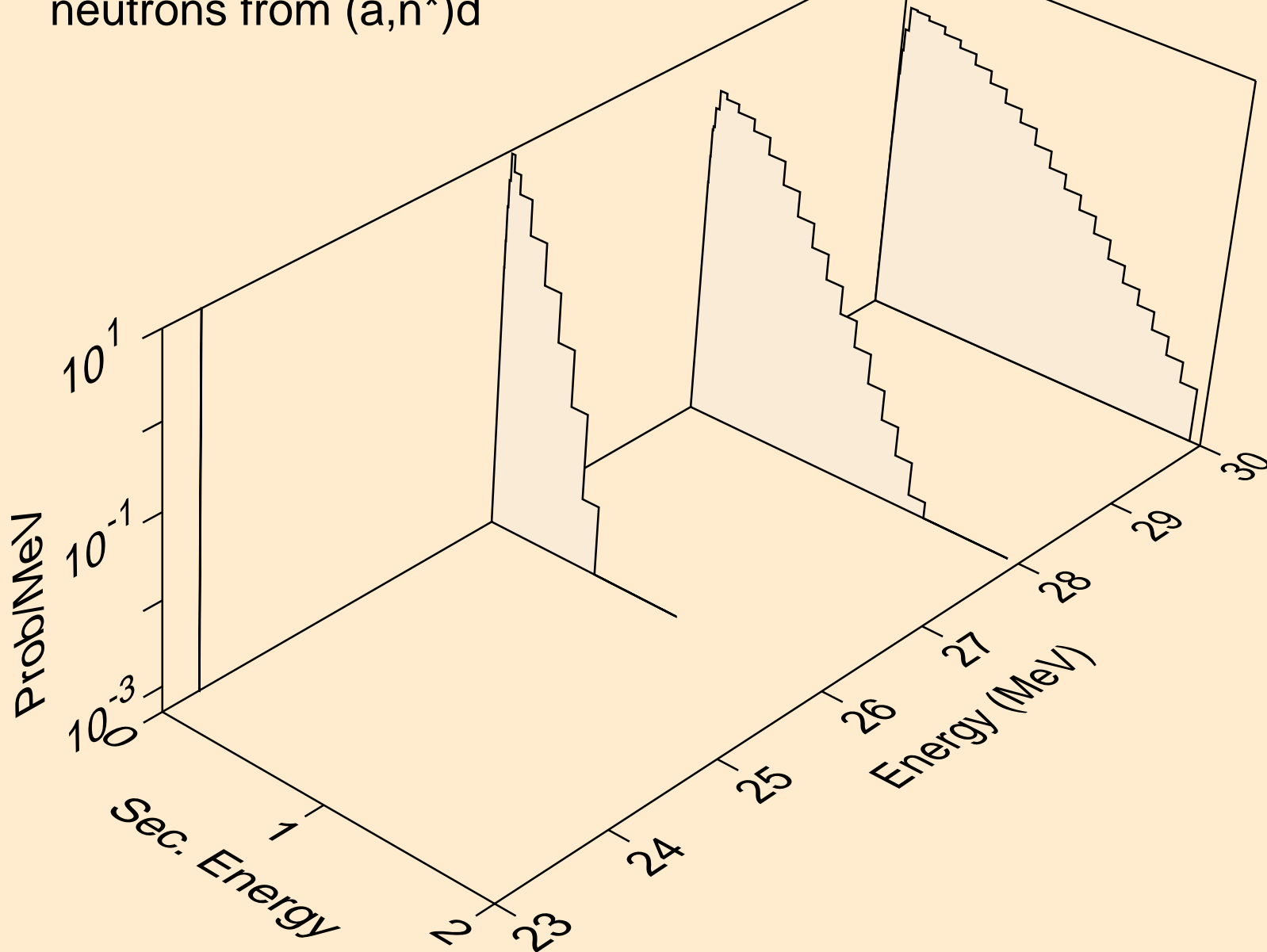




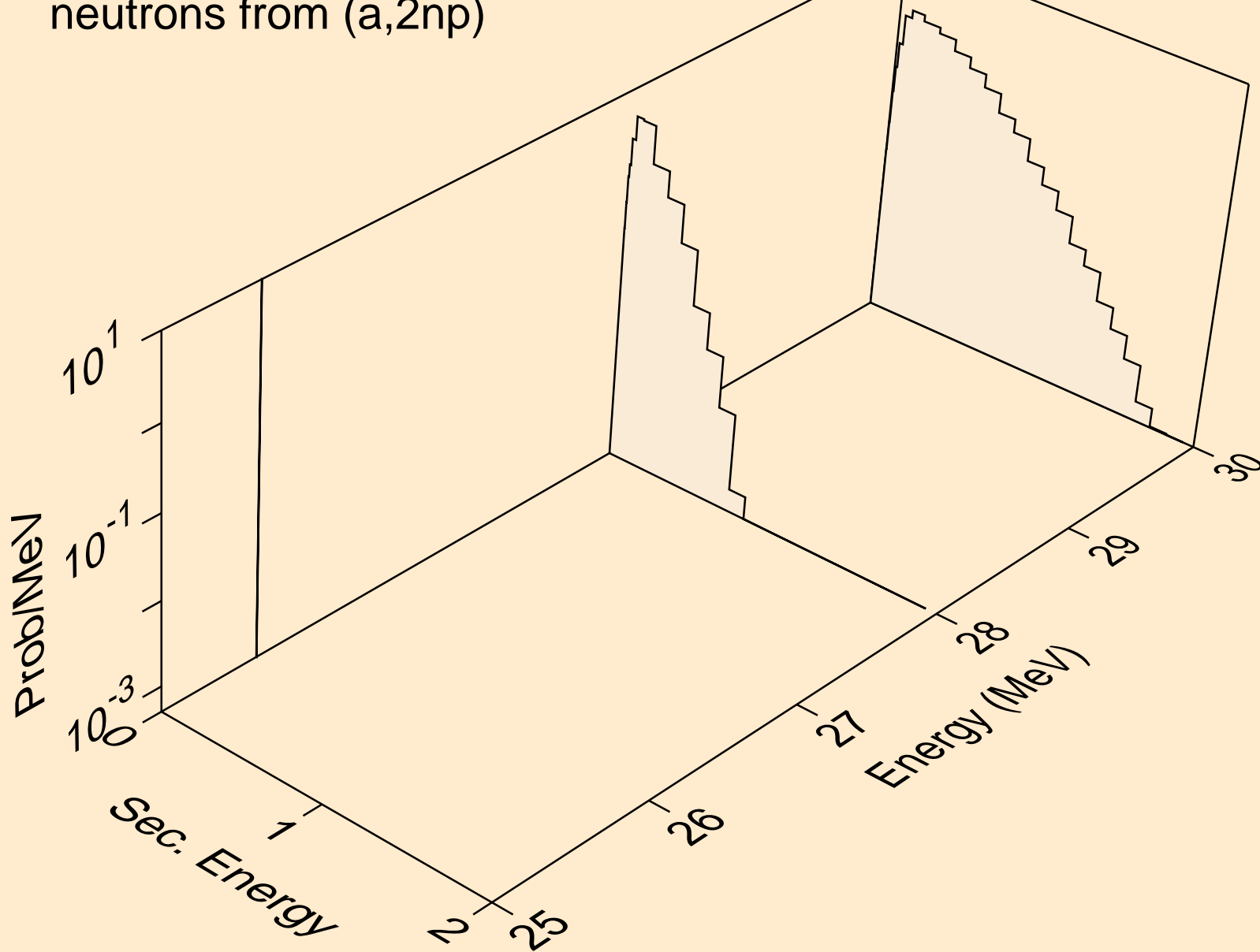
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)p



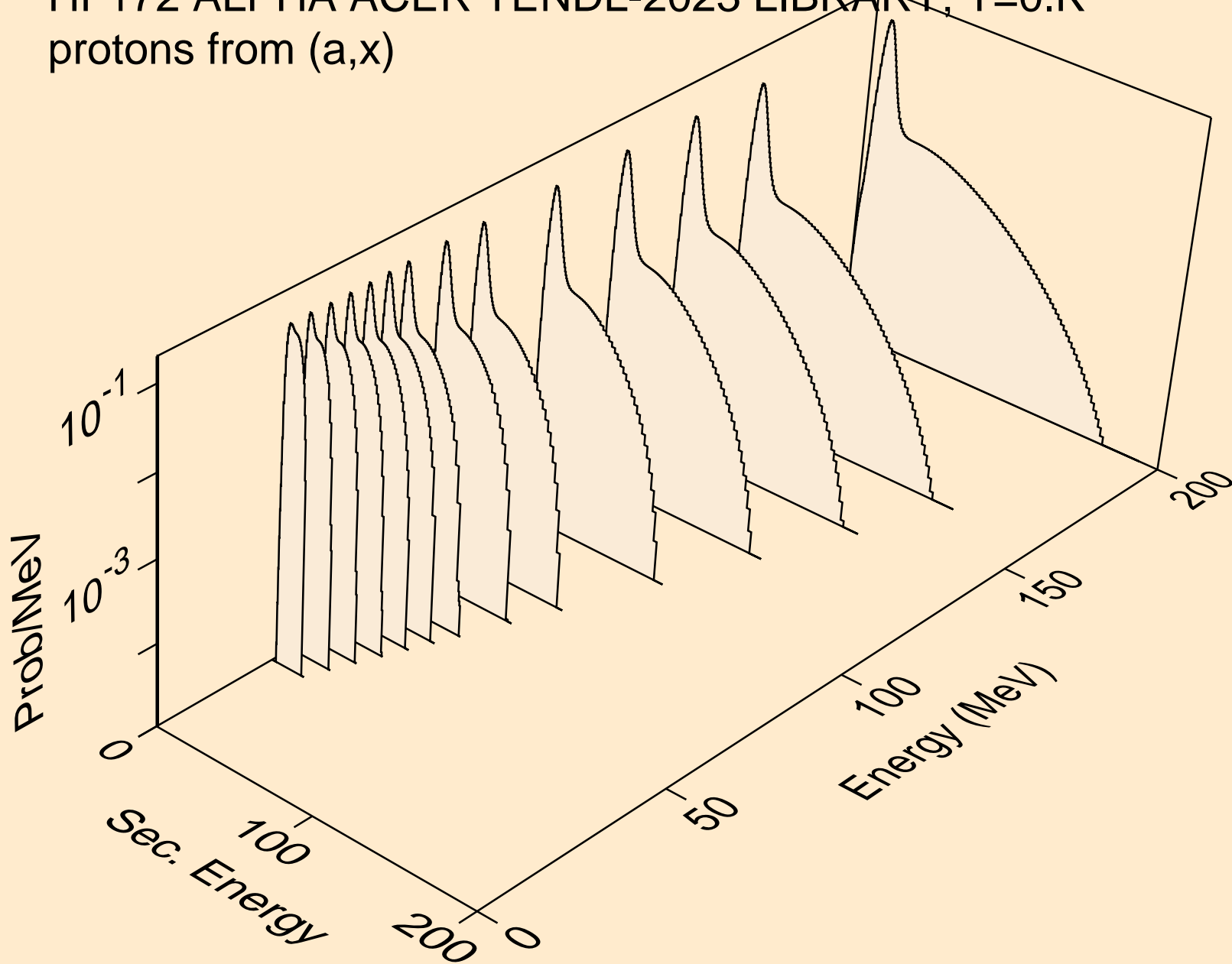
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)d



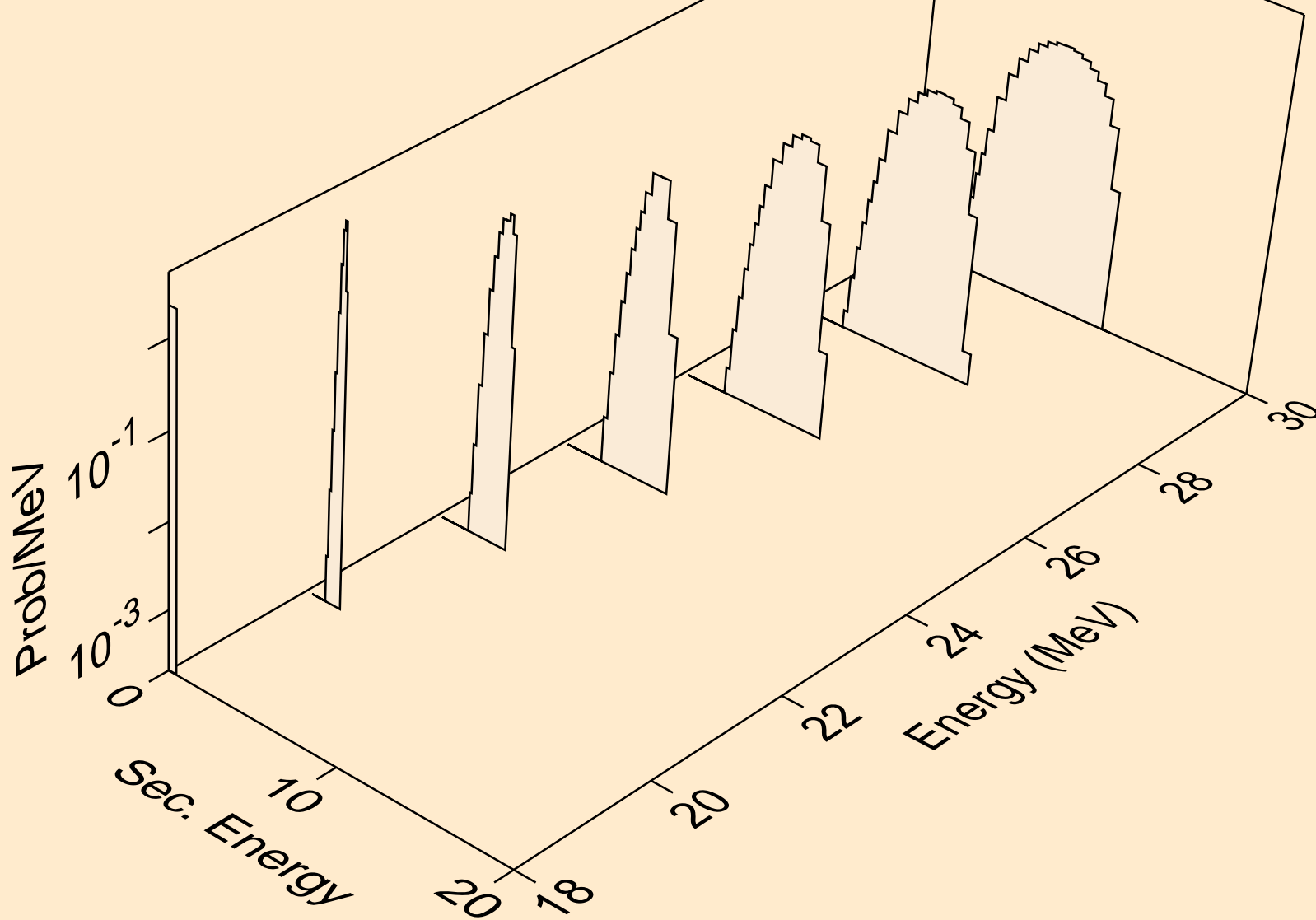
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2np)



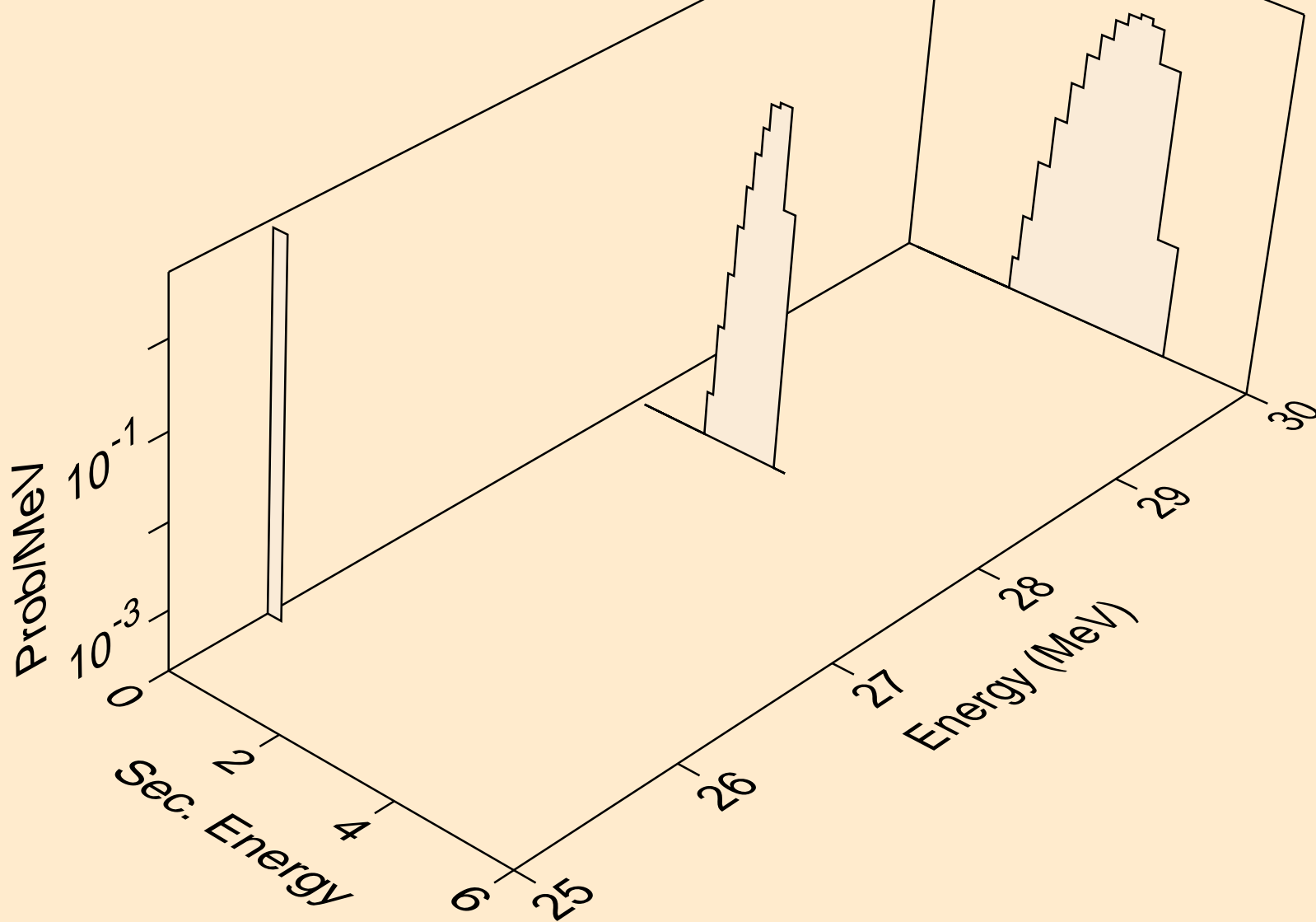
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,x)



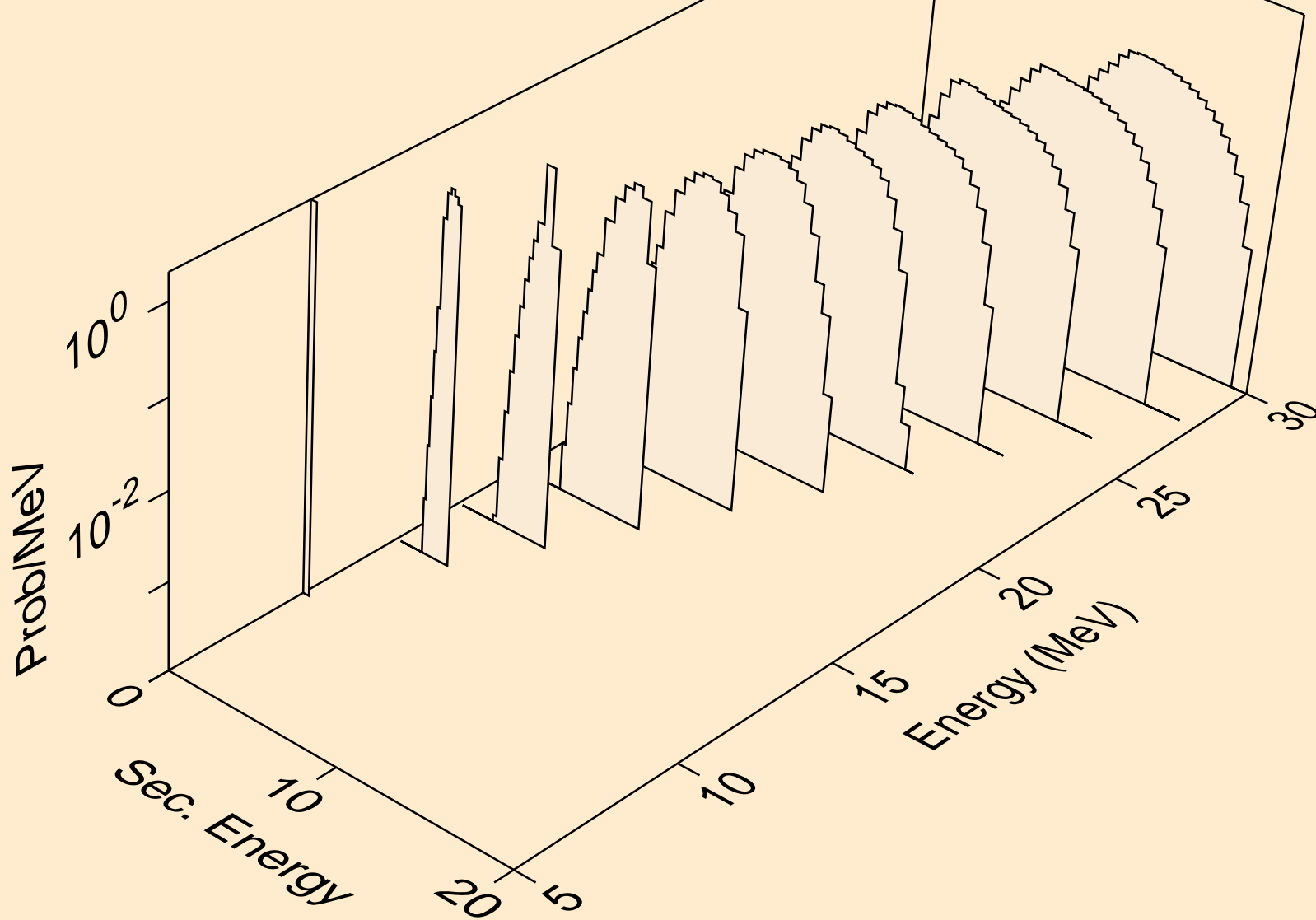
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protons from (a,n\*)p



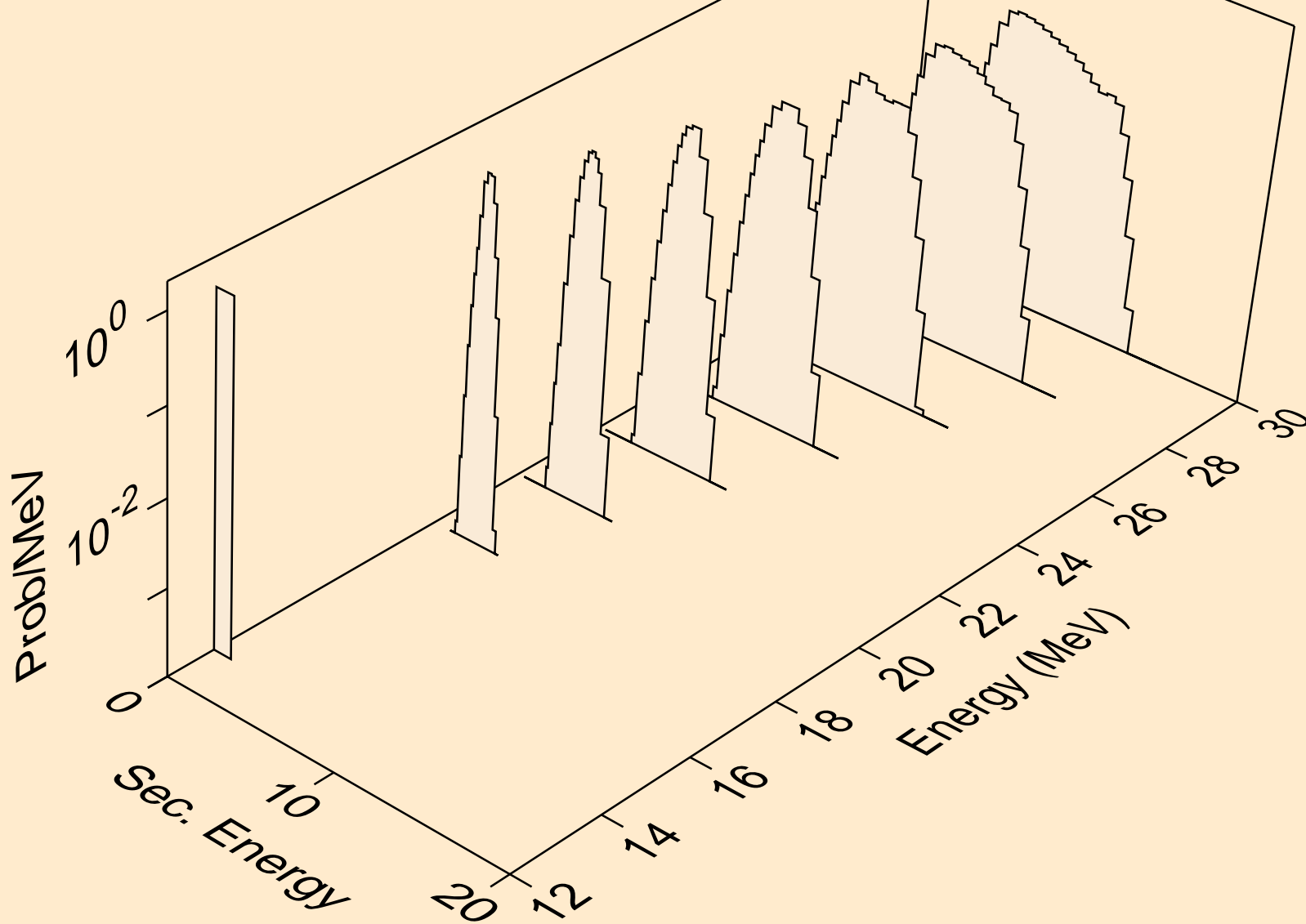
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,2np)



HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,p)

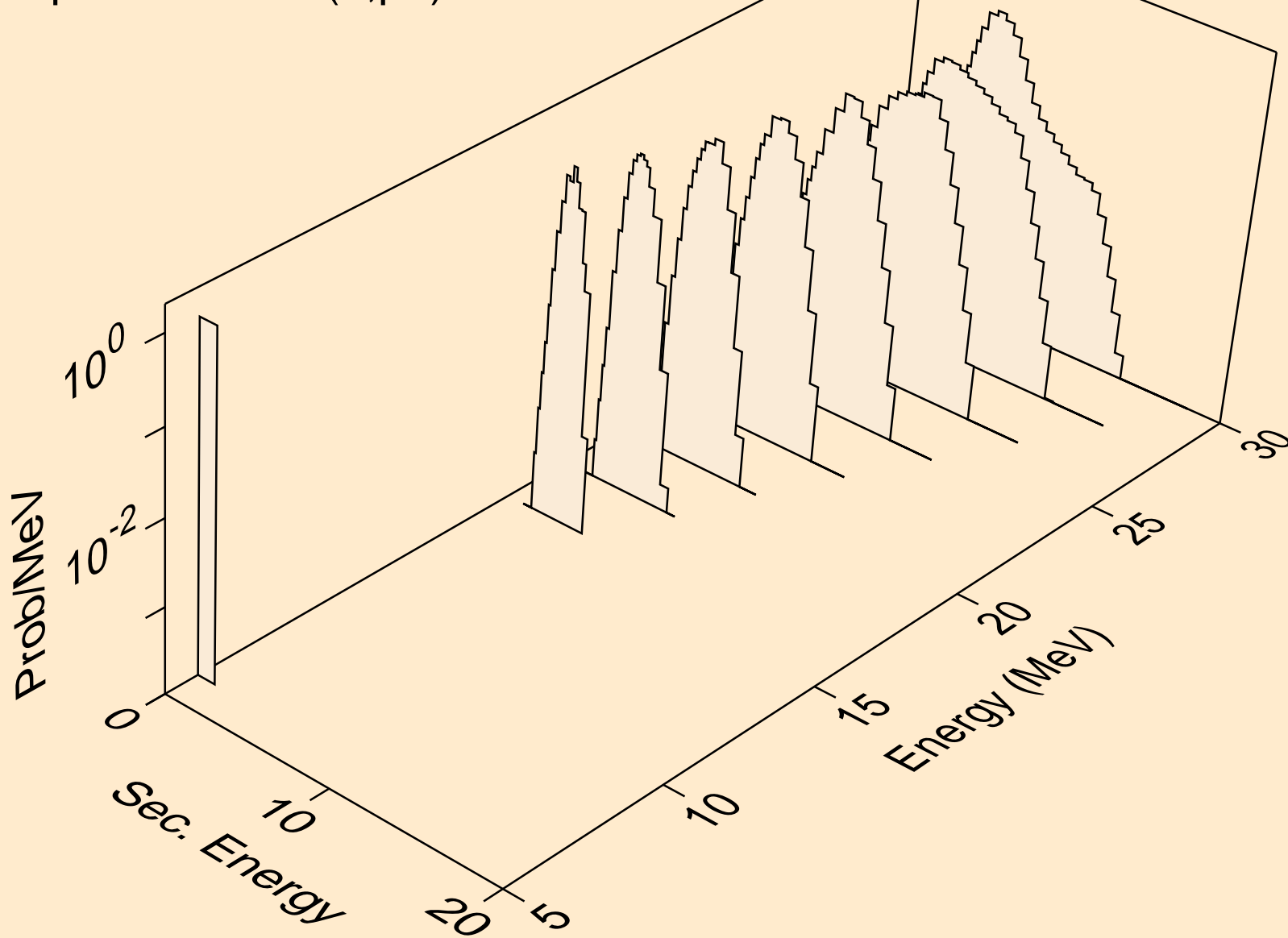


HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,2p)

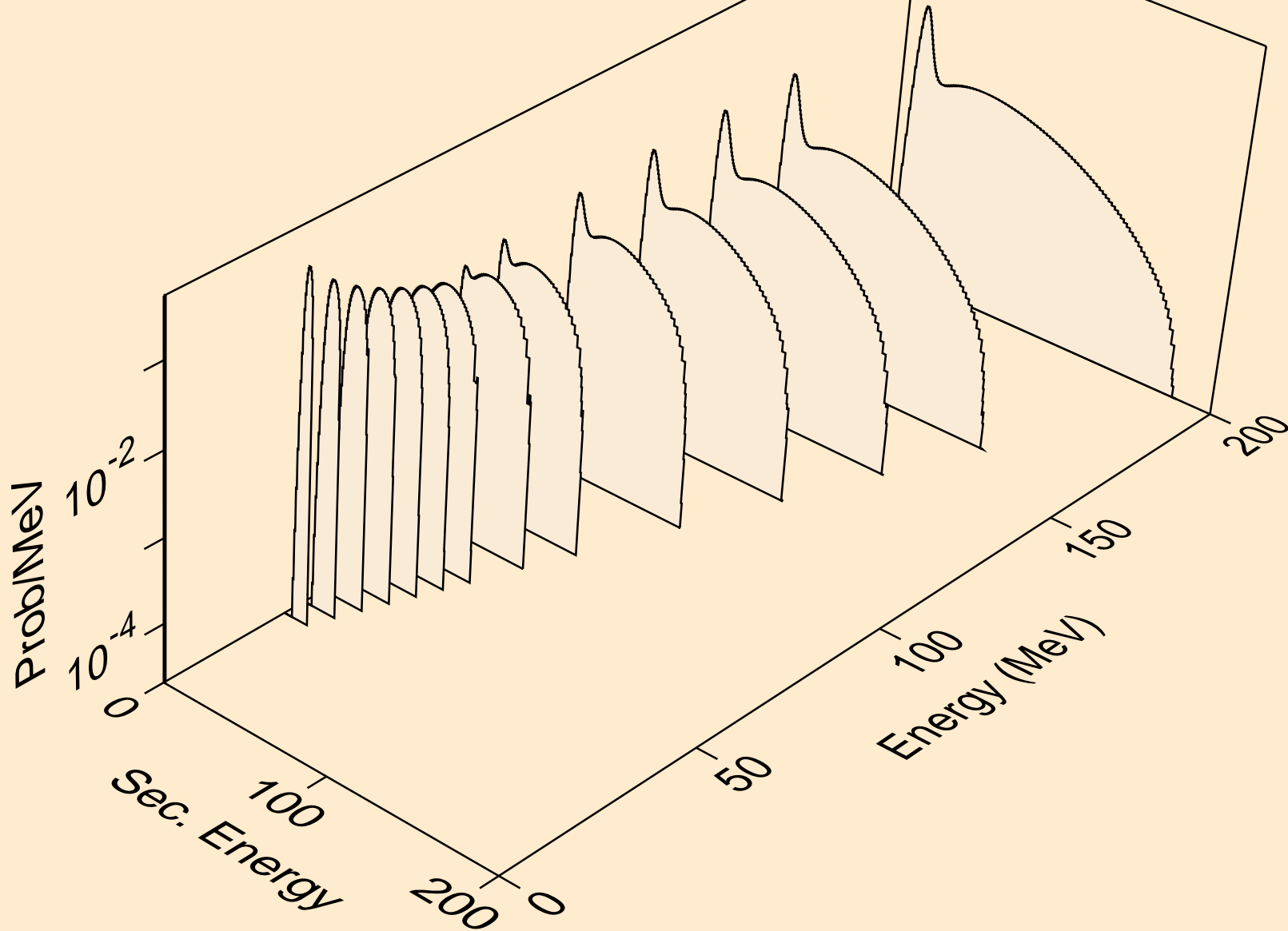




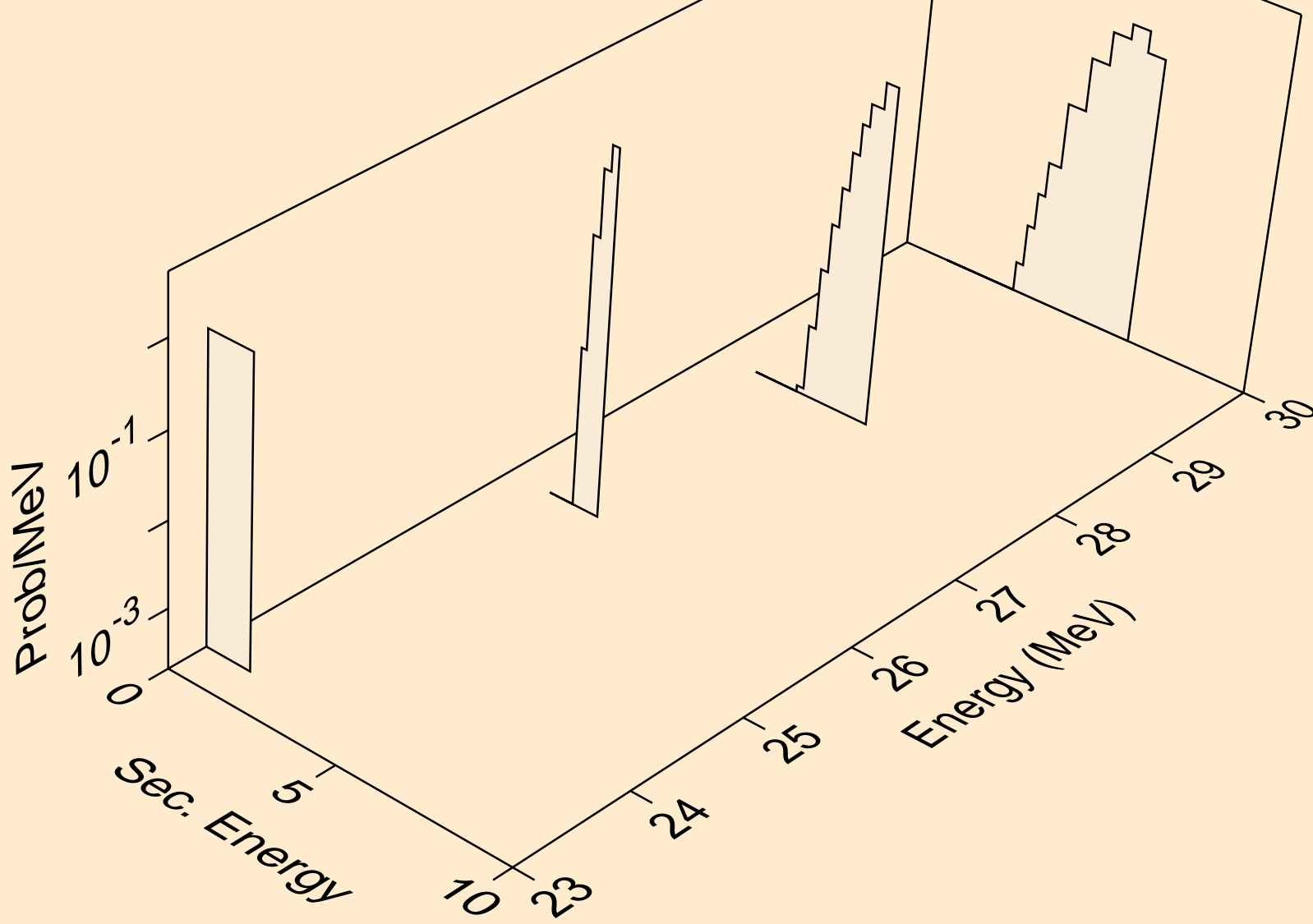
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,pa)



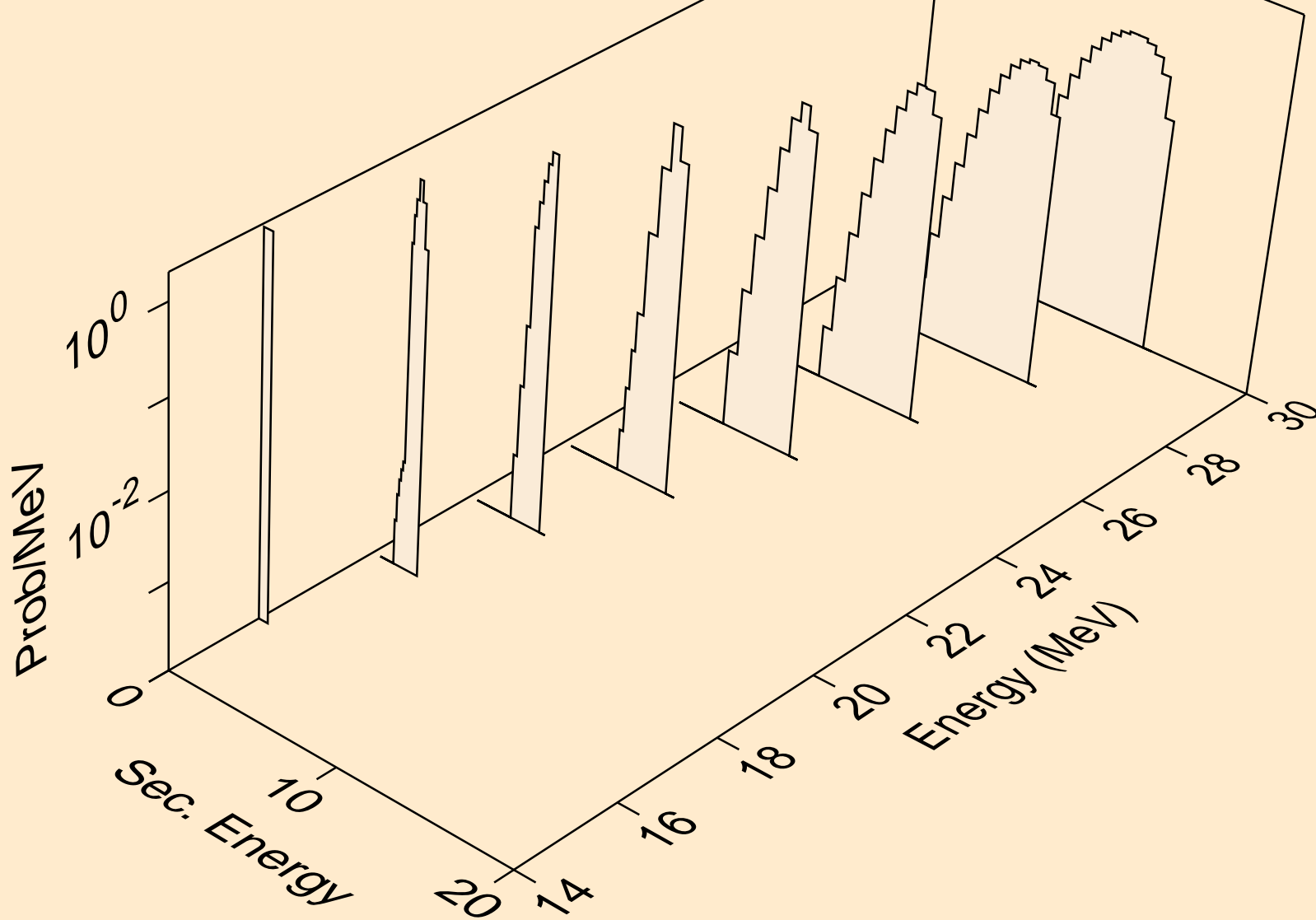
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,x)



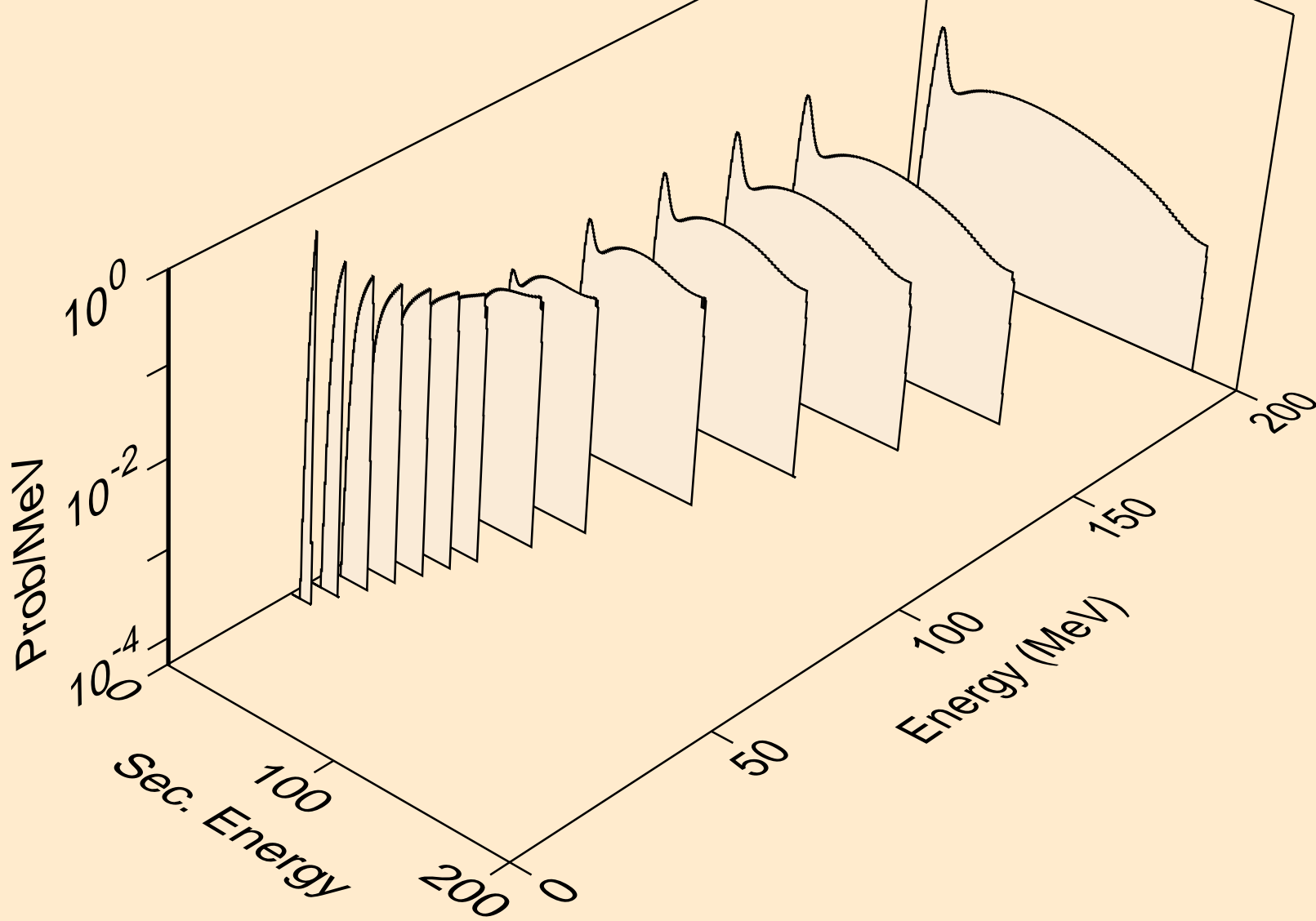
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,n\*)d



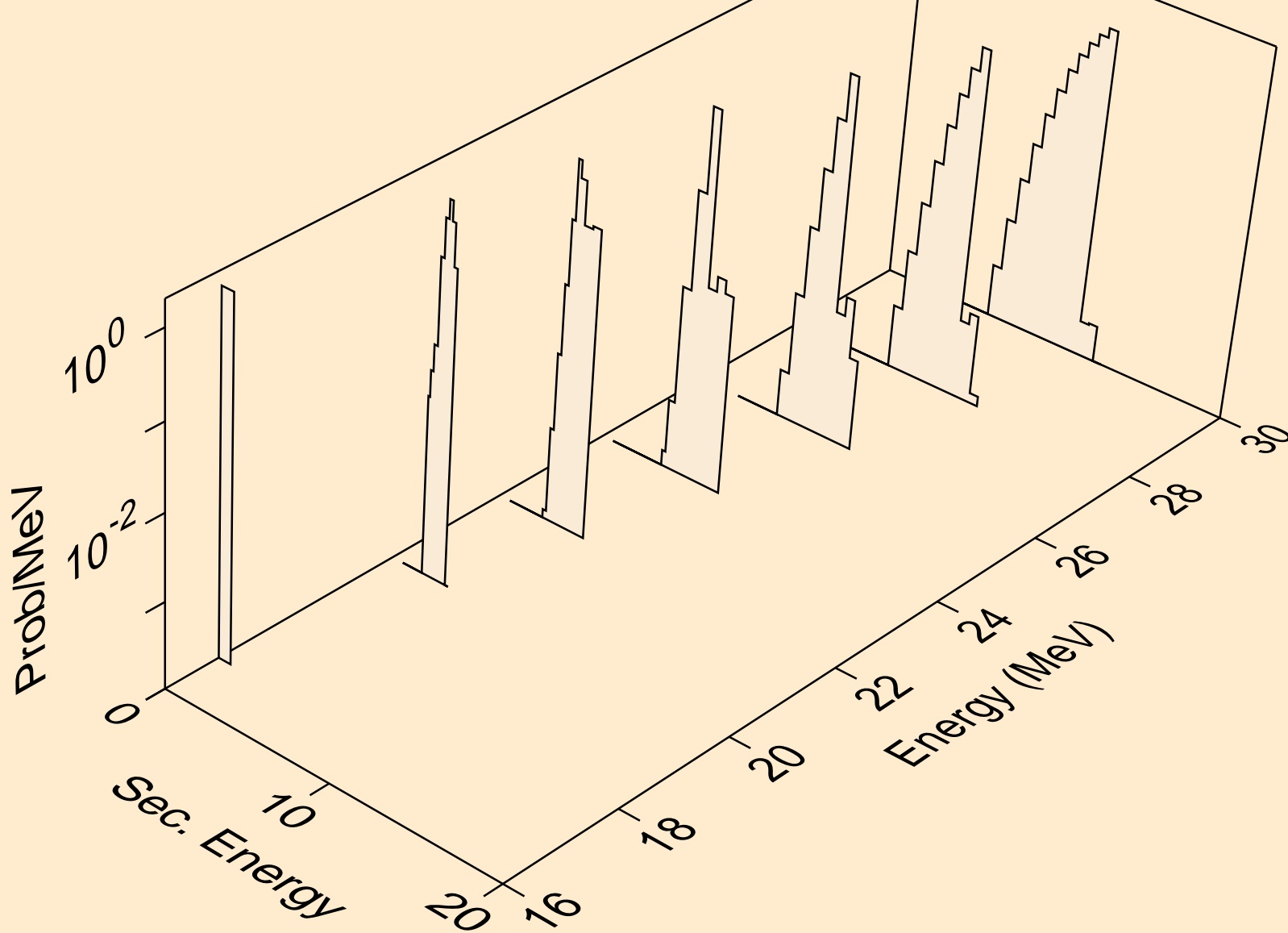
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,d)



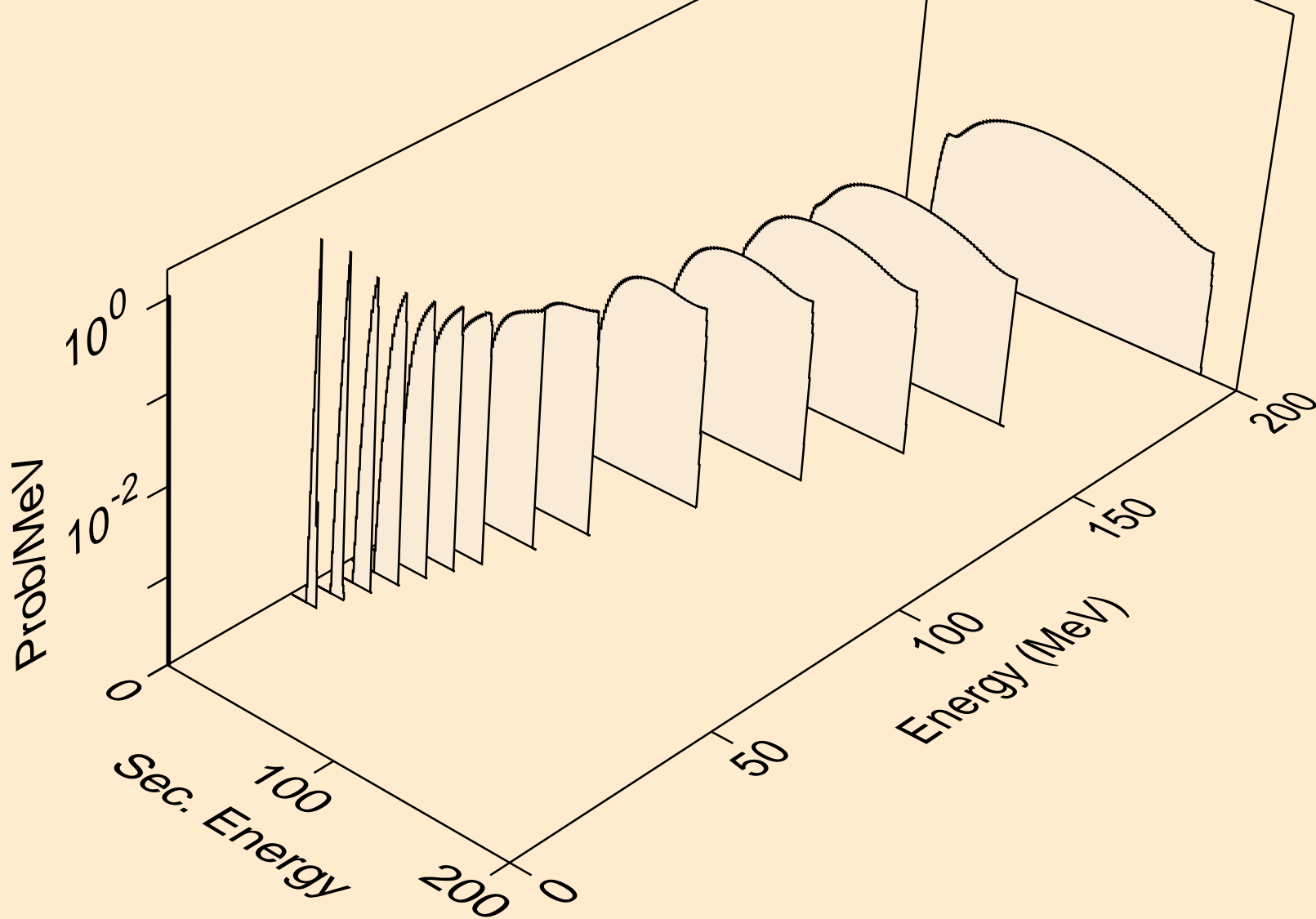
HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,x)



HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,t)



HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,x)



HF172 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,he3)

