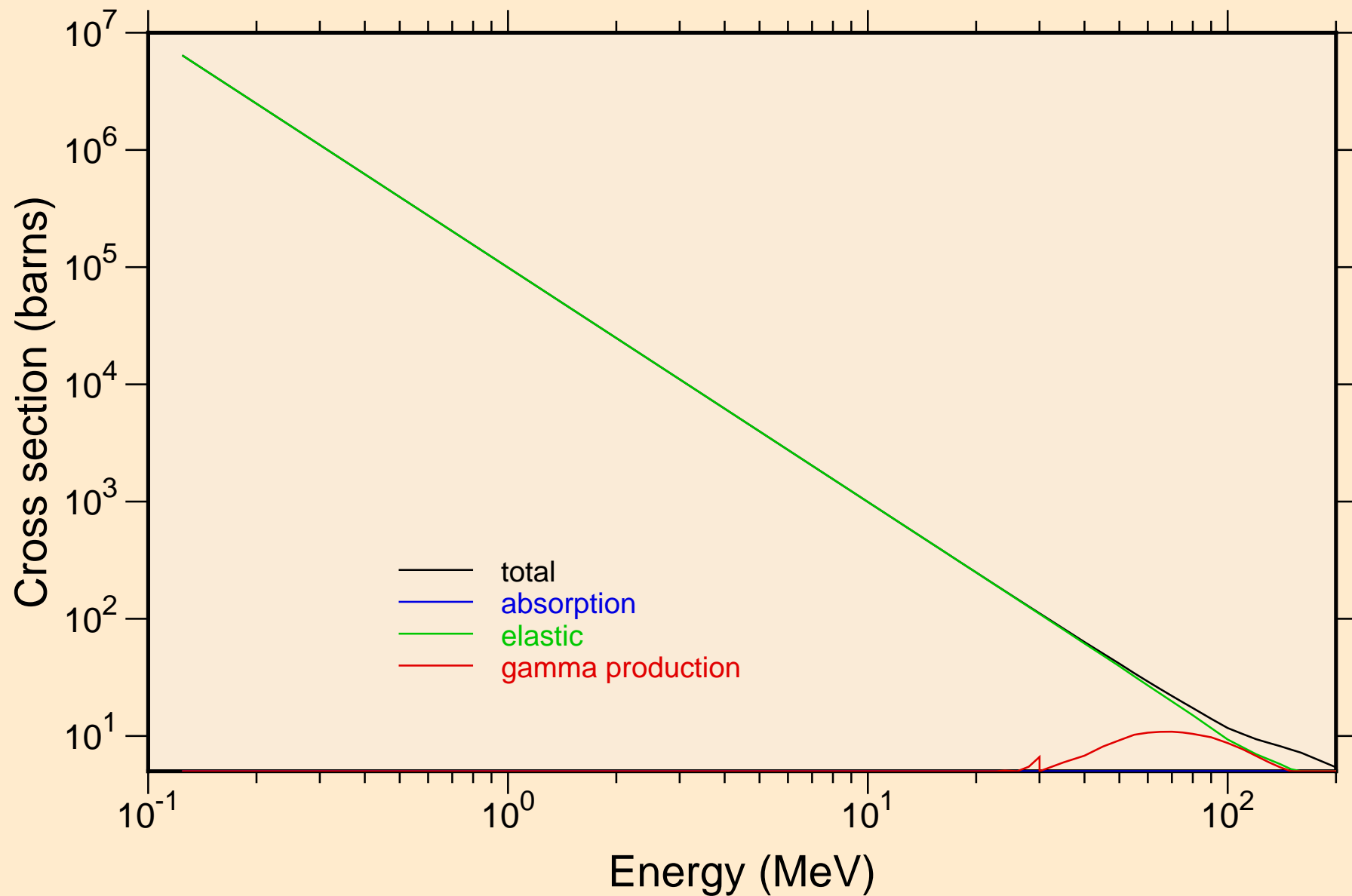
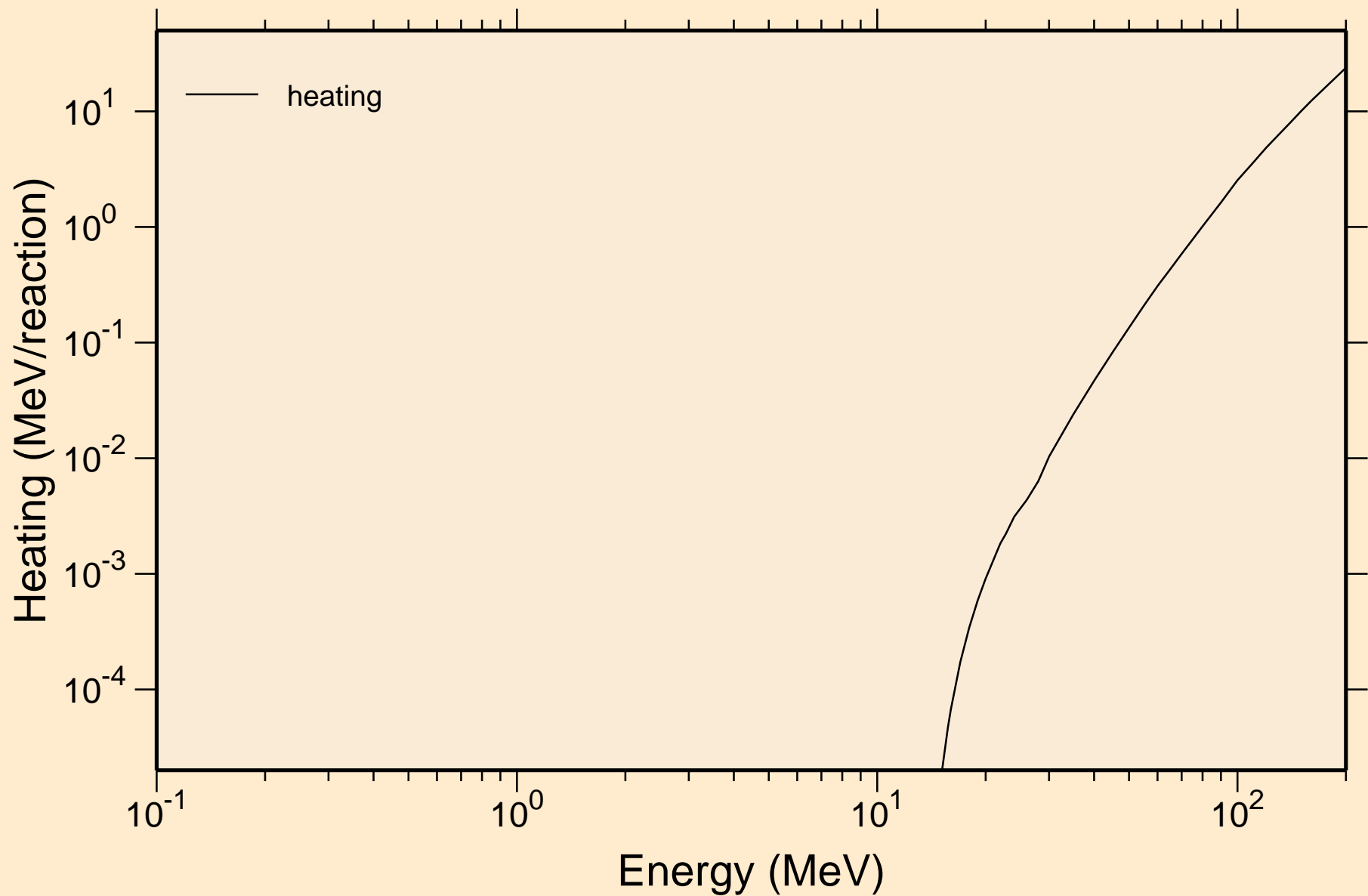


# SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

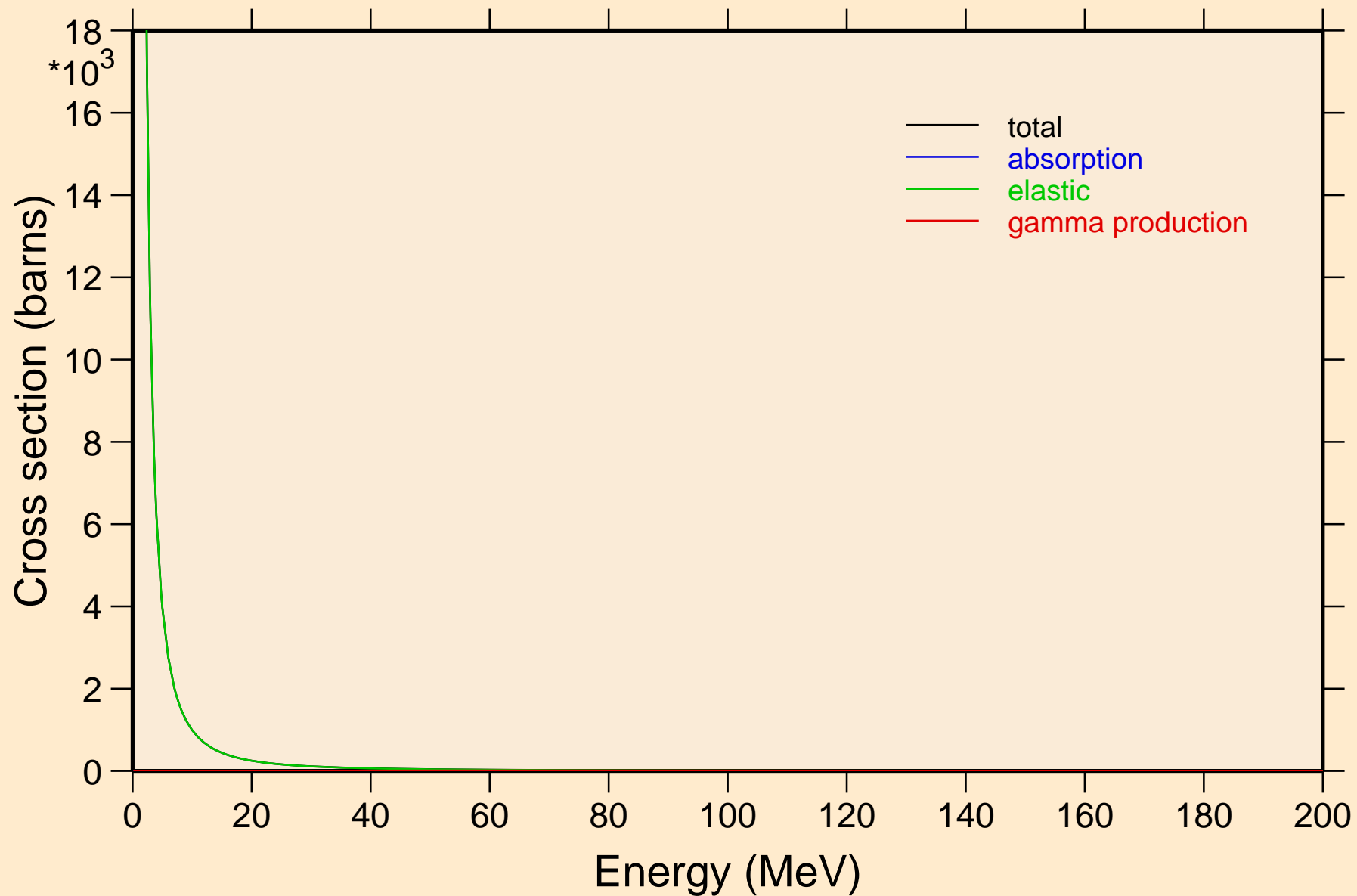


SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Heating



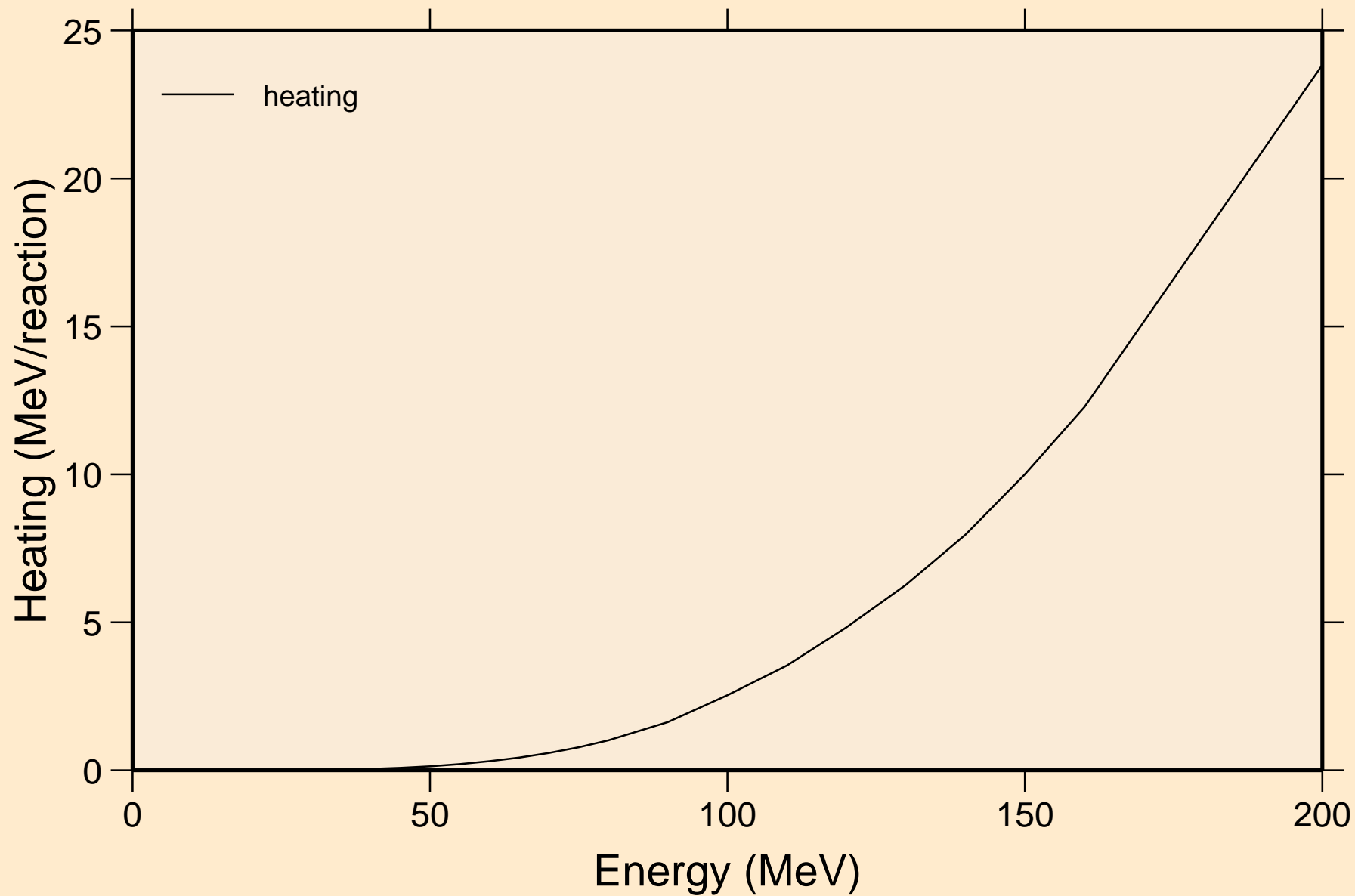
# SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



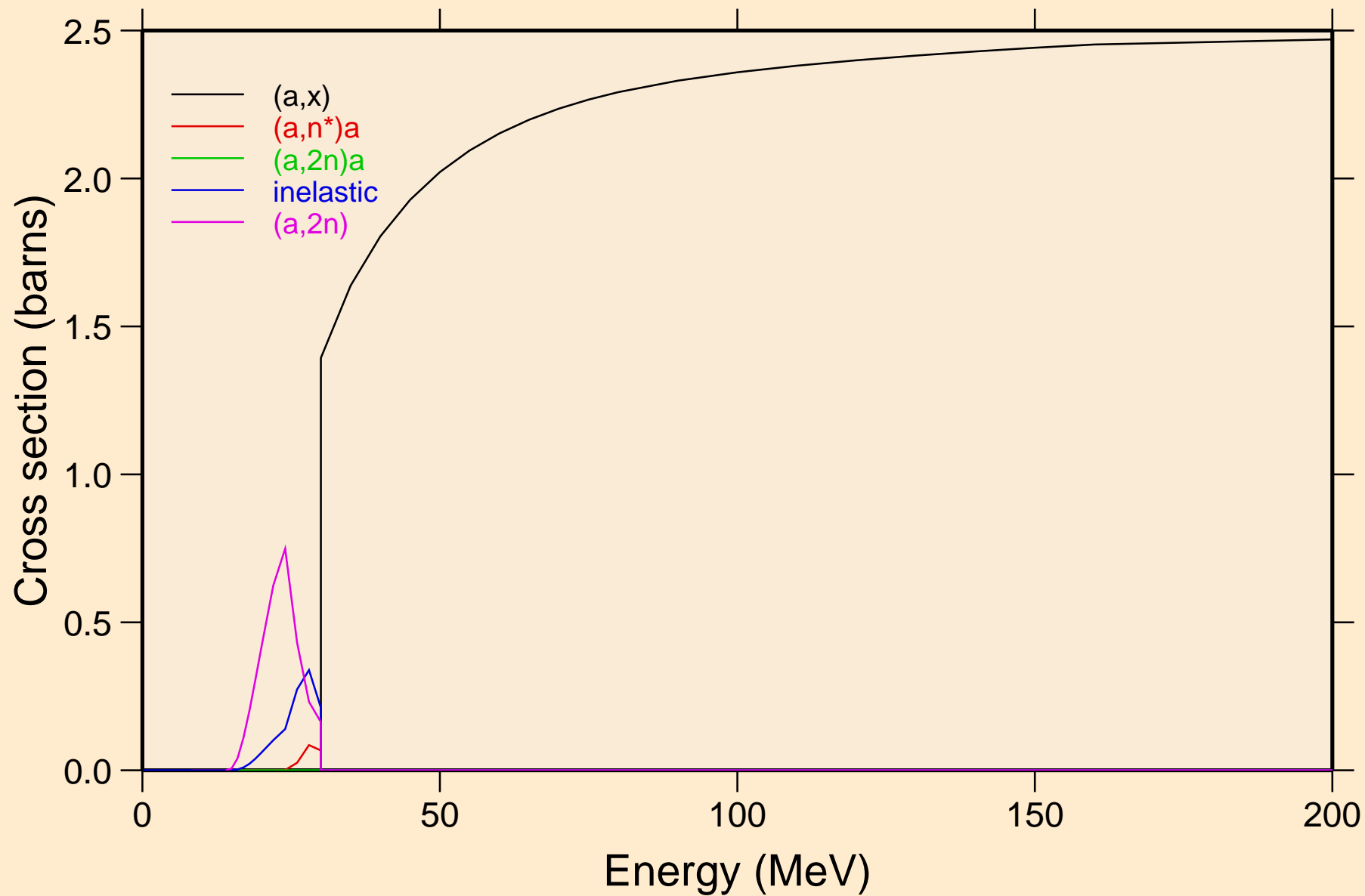
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Heating

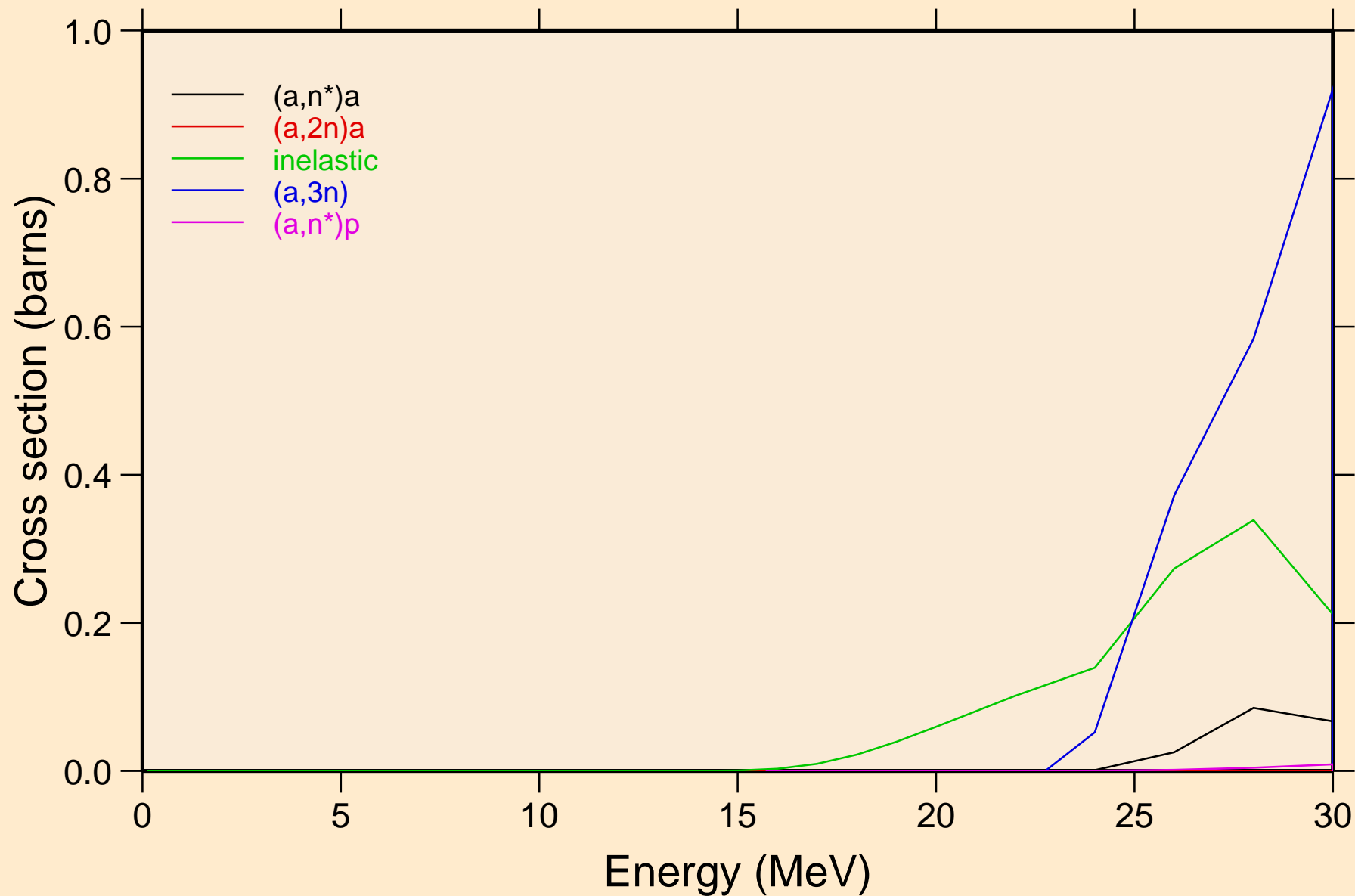


# SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

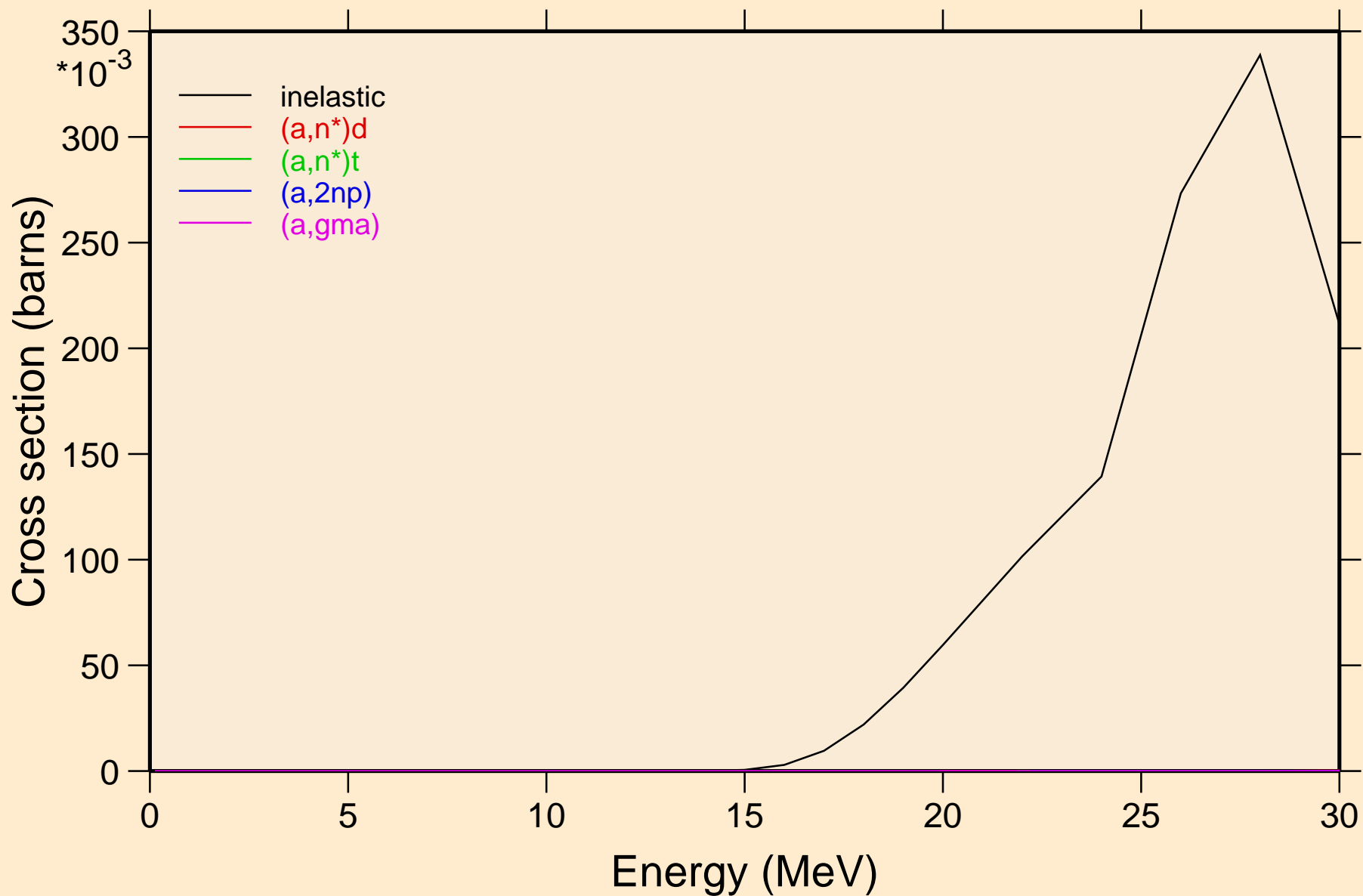
## Threshold reactions



SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

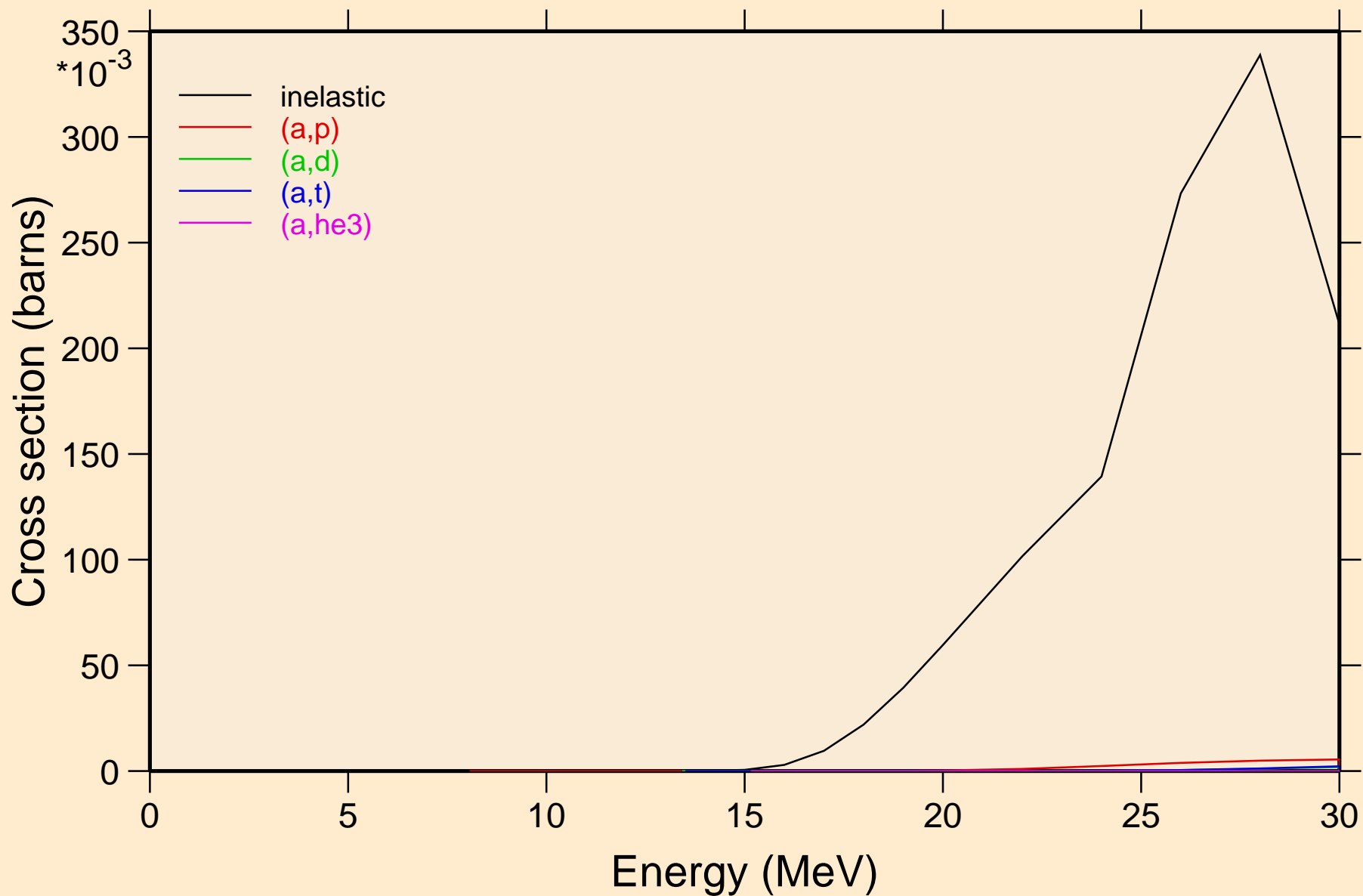


SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



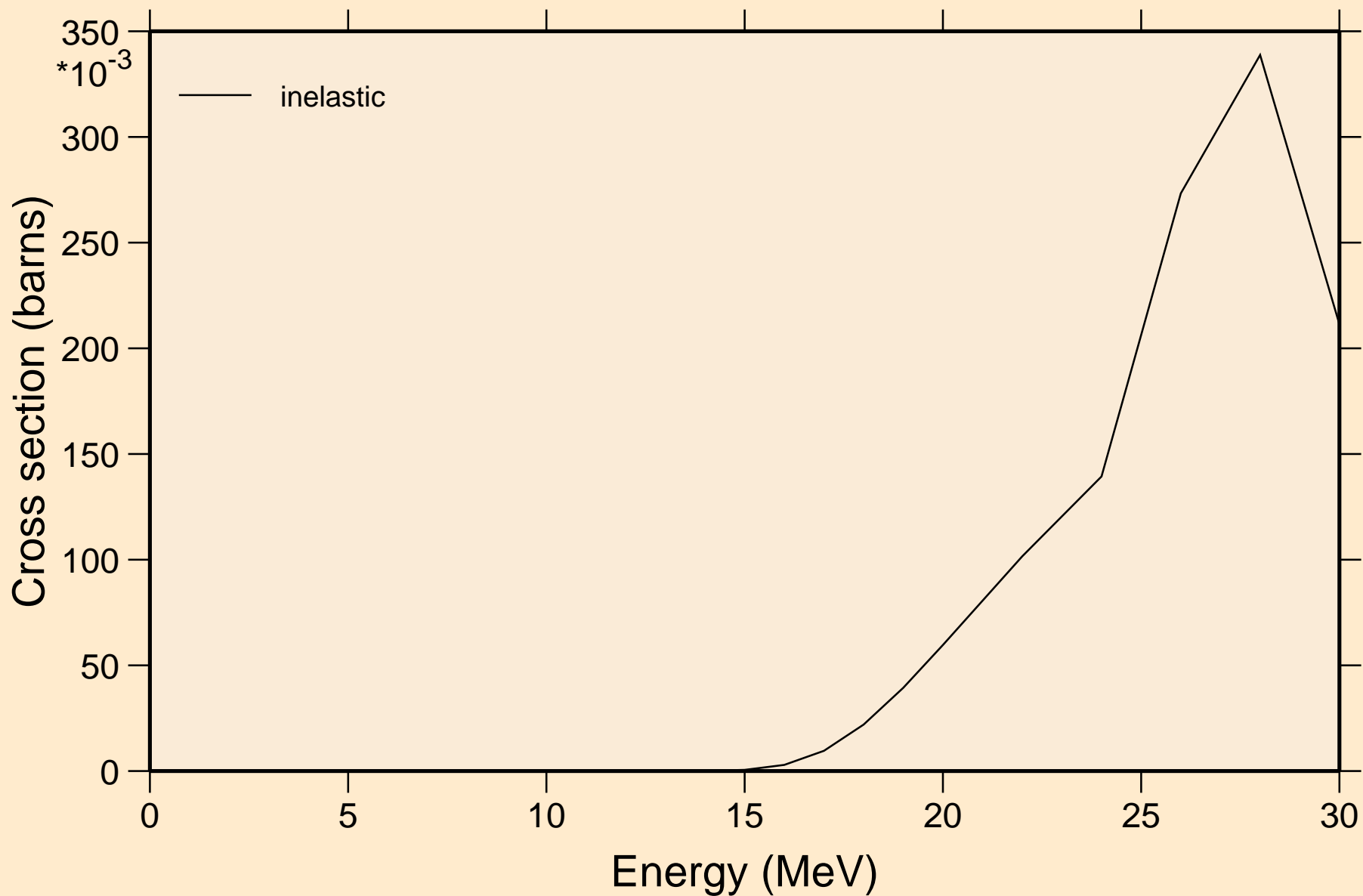
# SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

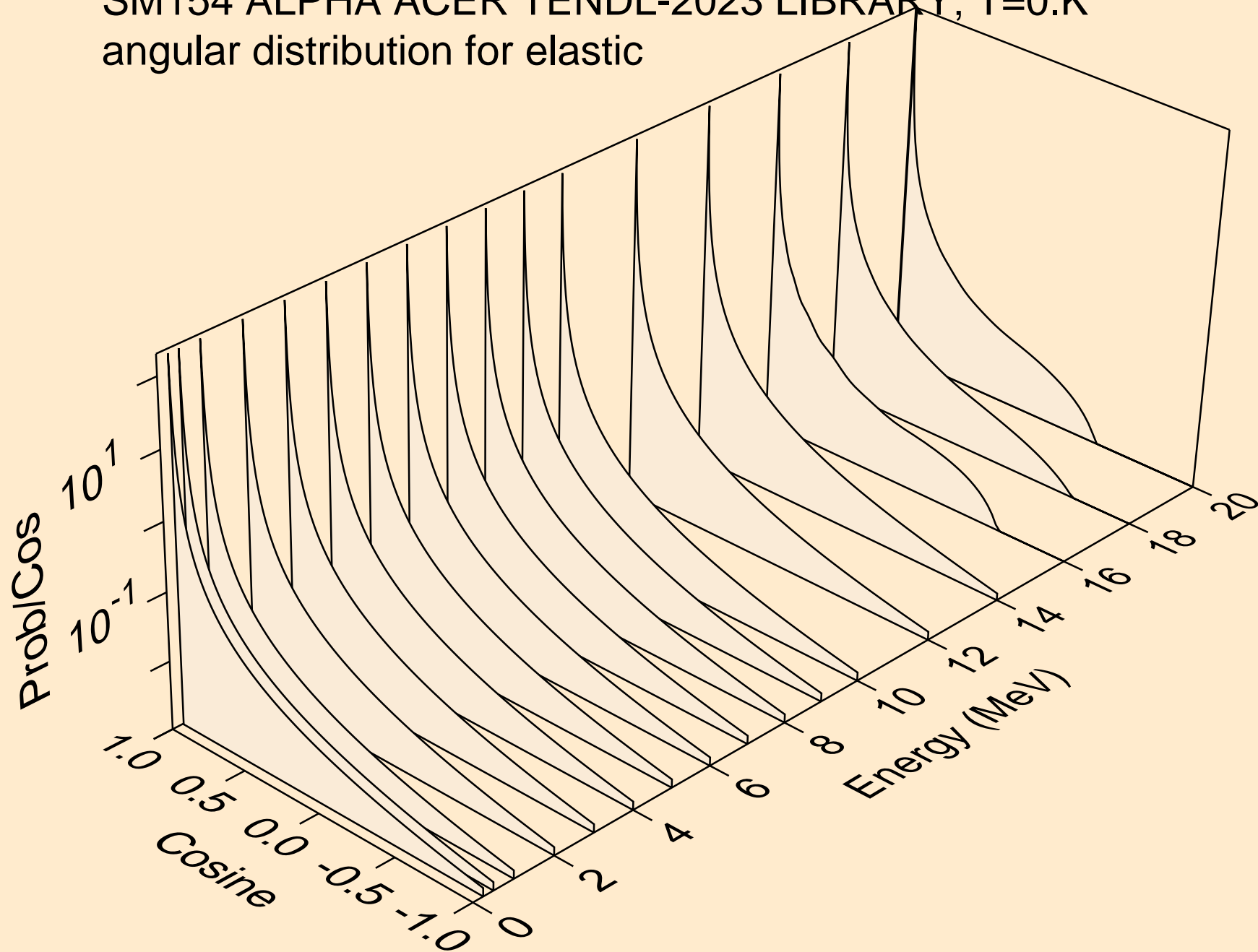




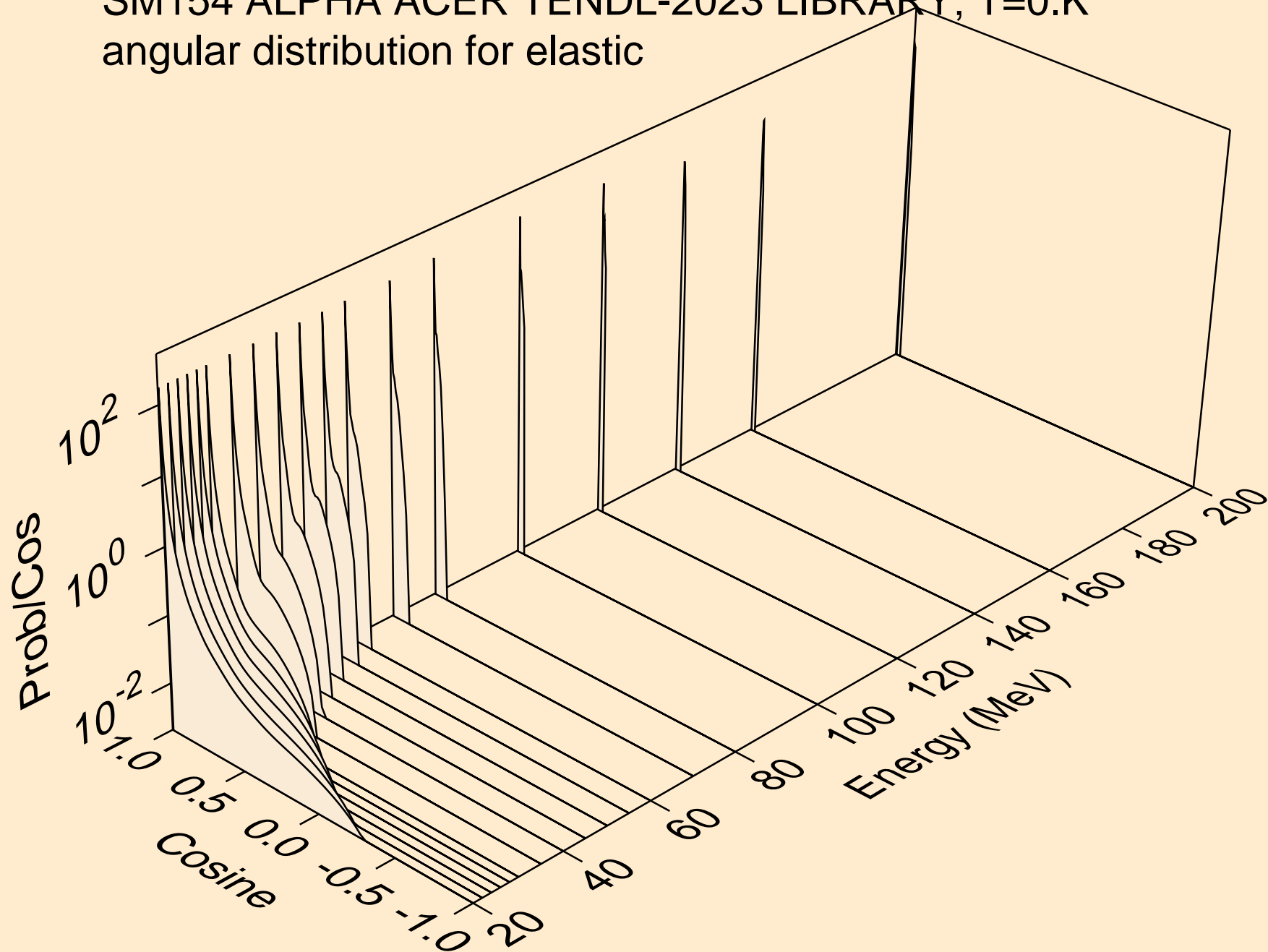
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



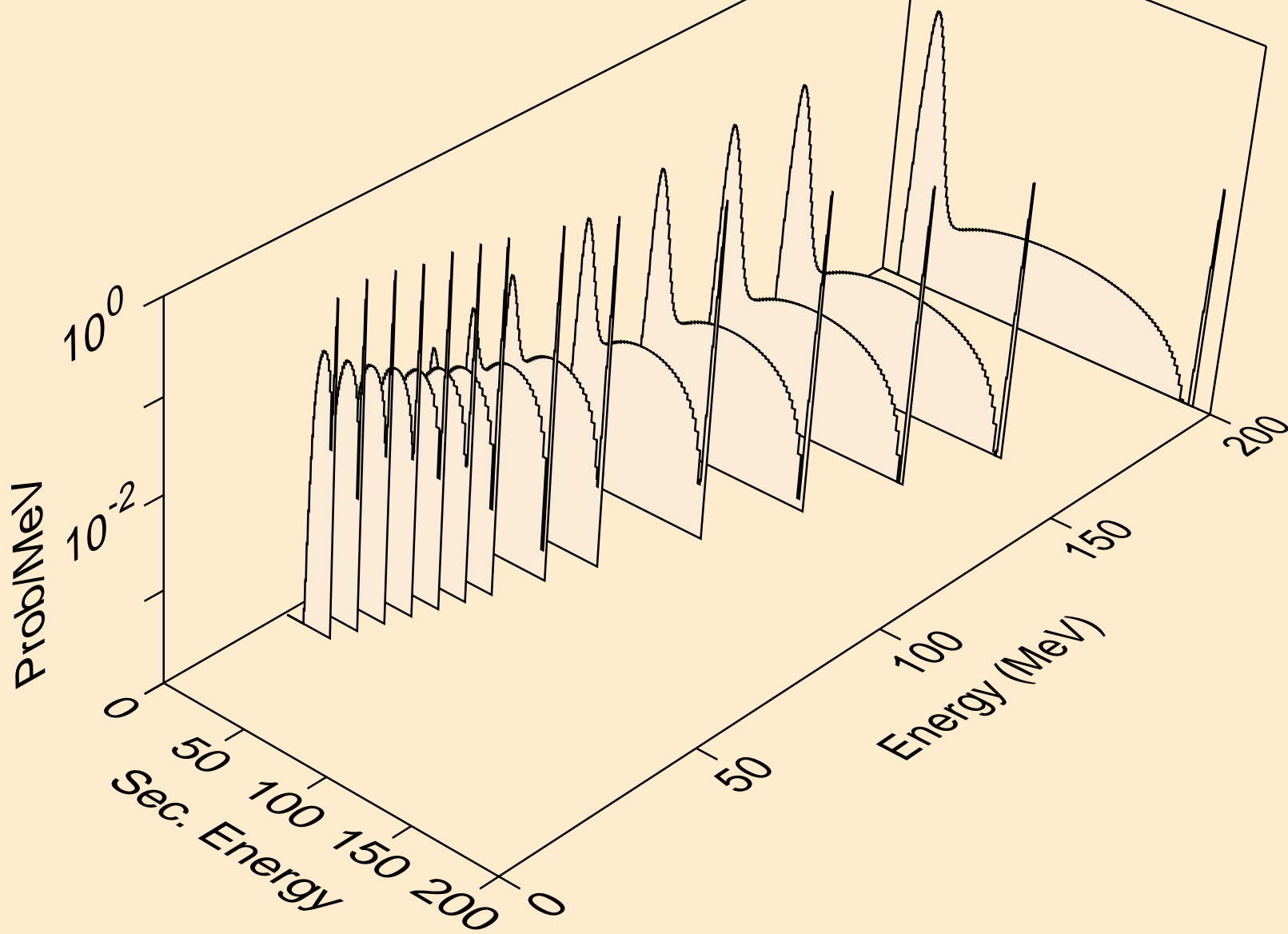
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



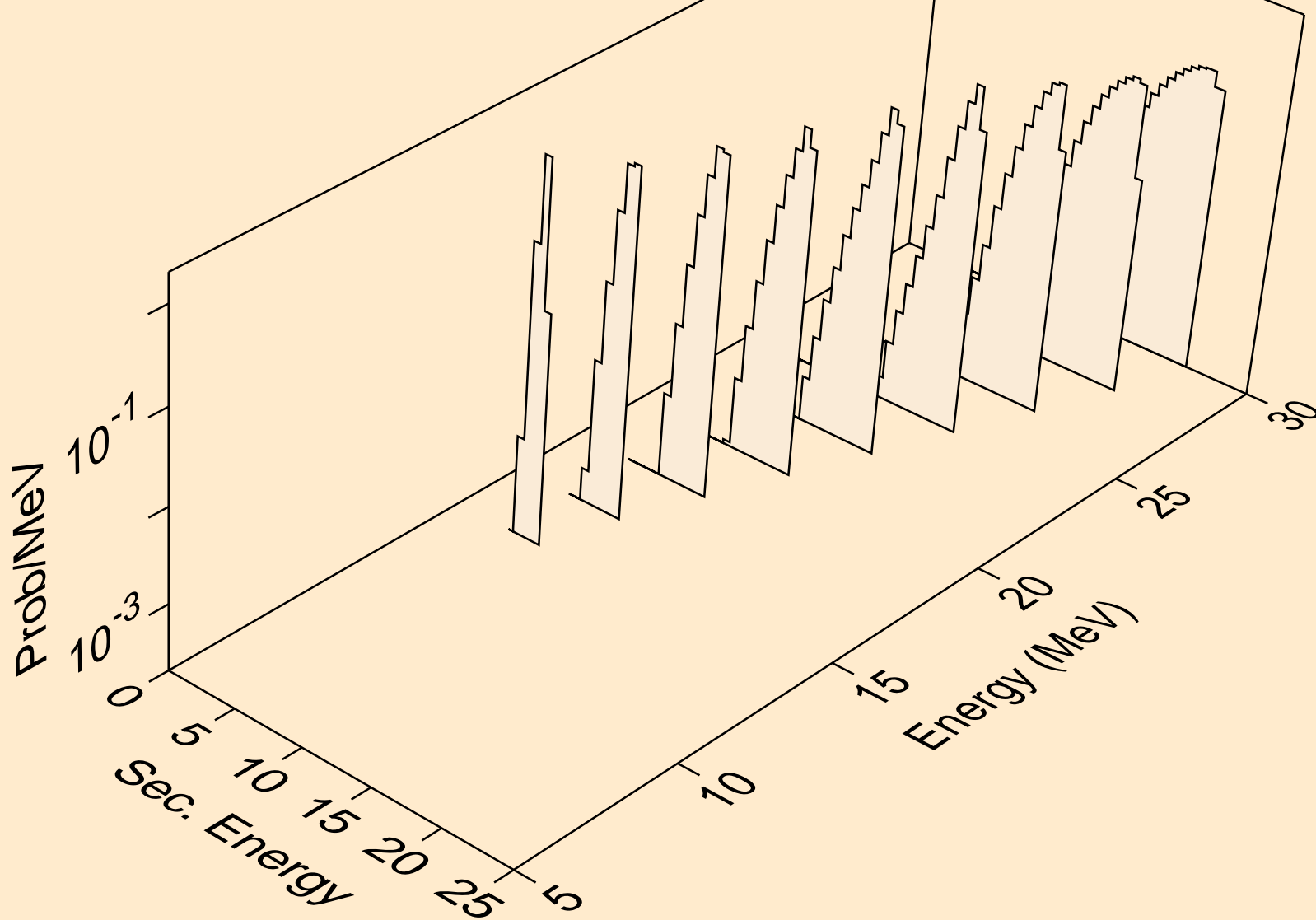
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



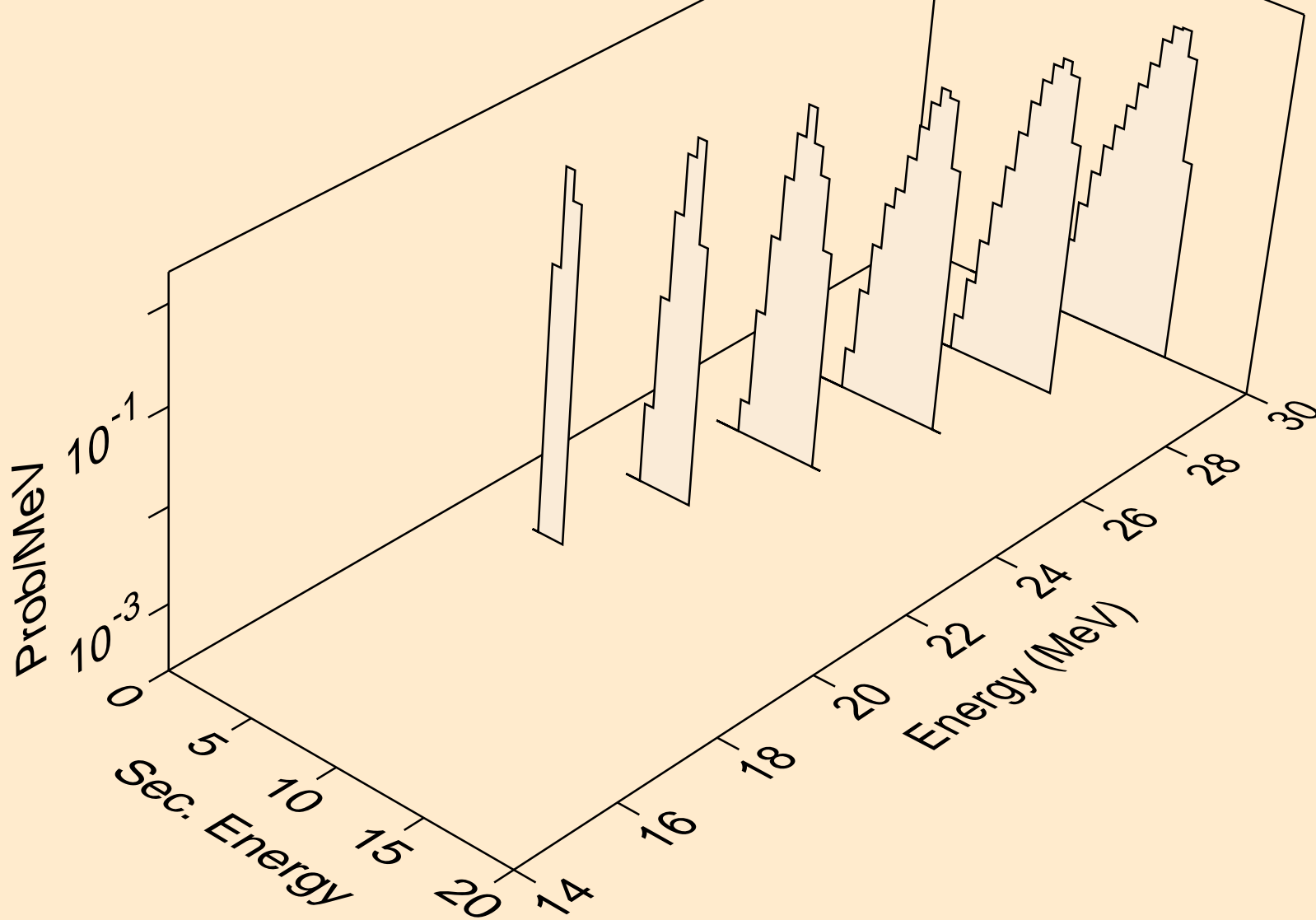
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,x)



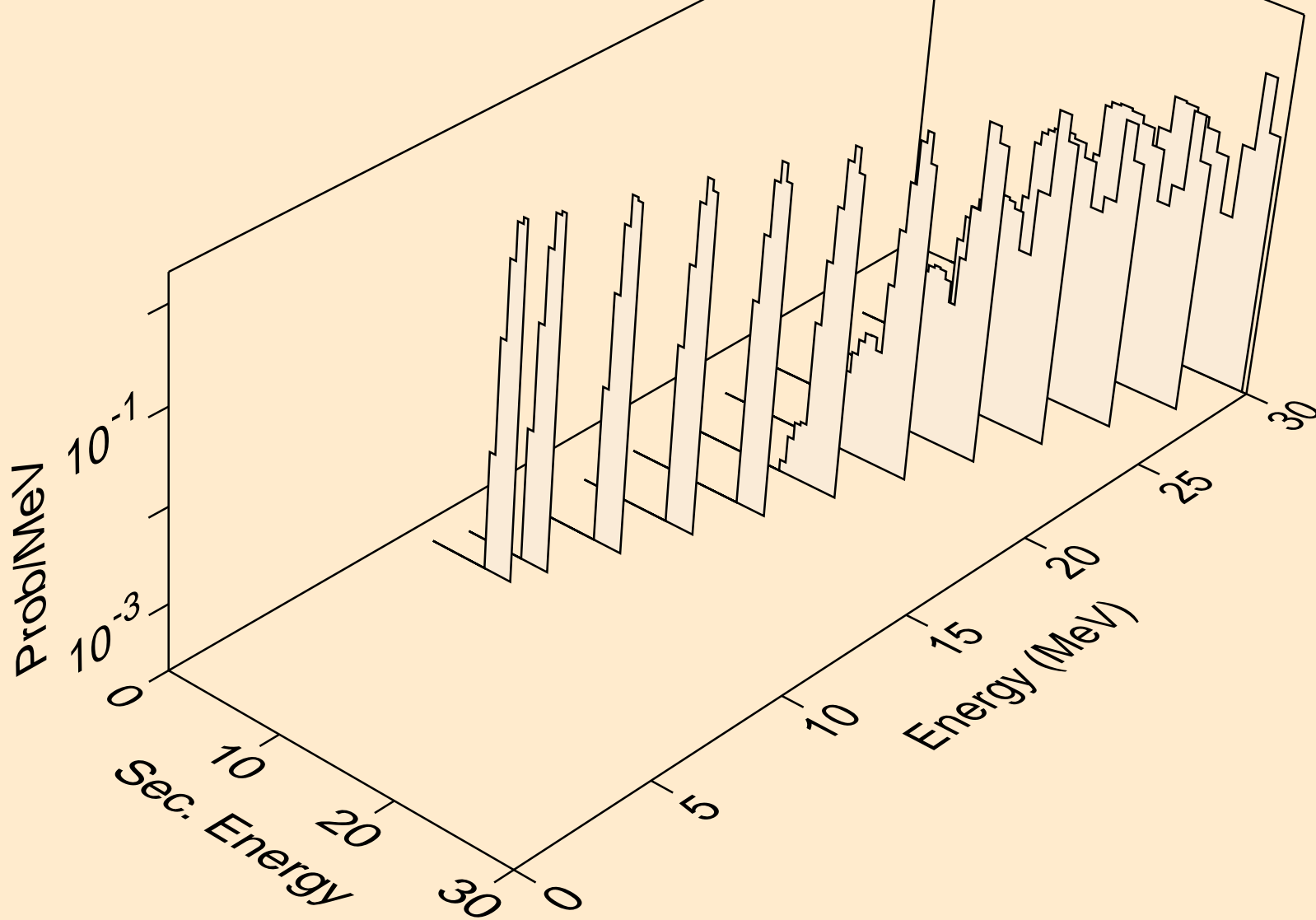
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a



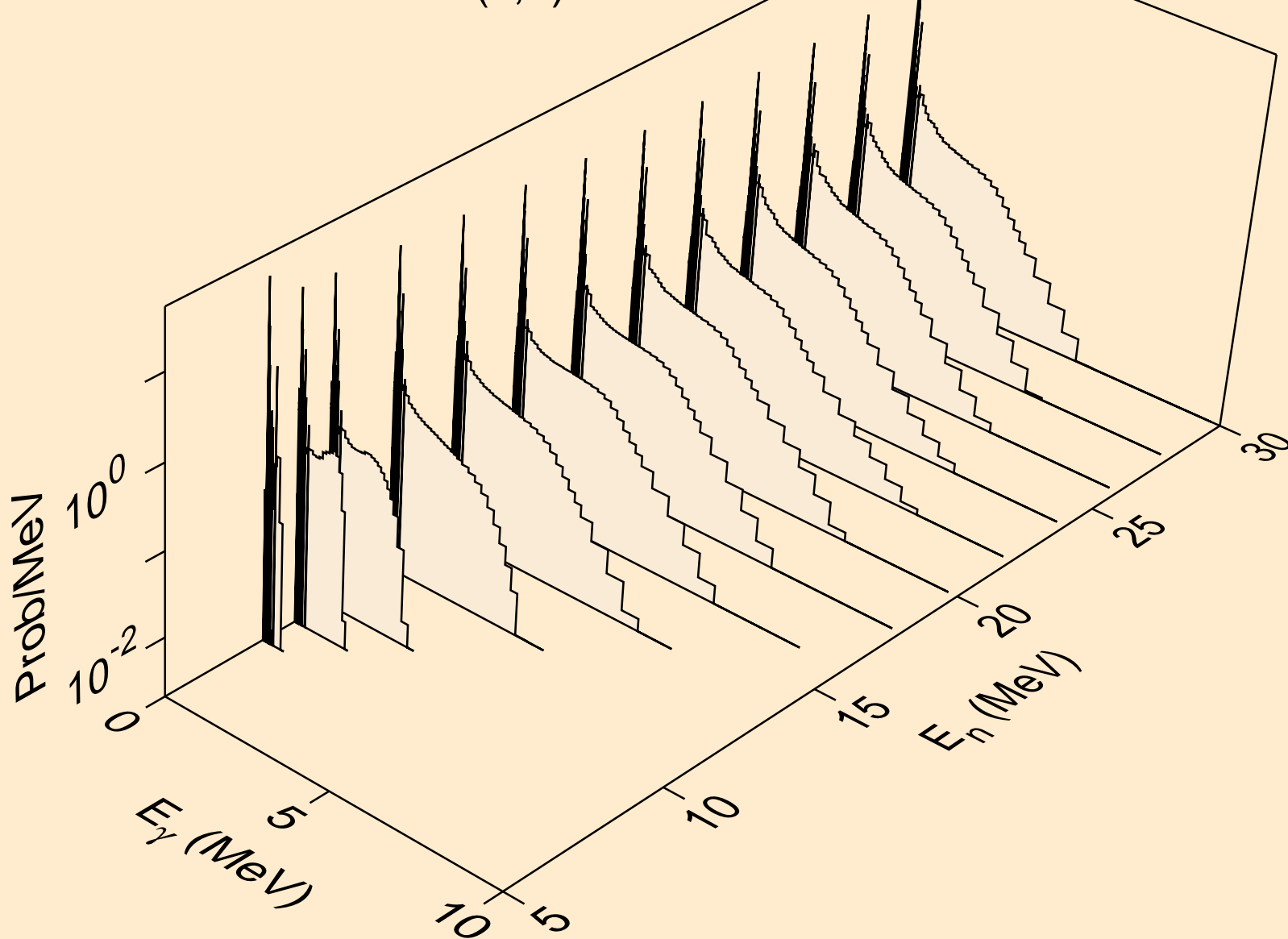
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2n)a



SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for inelastic

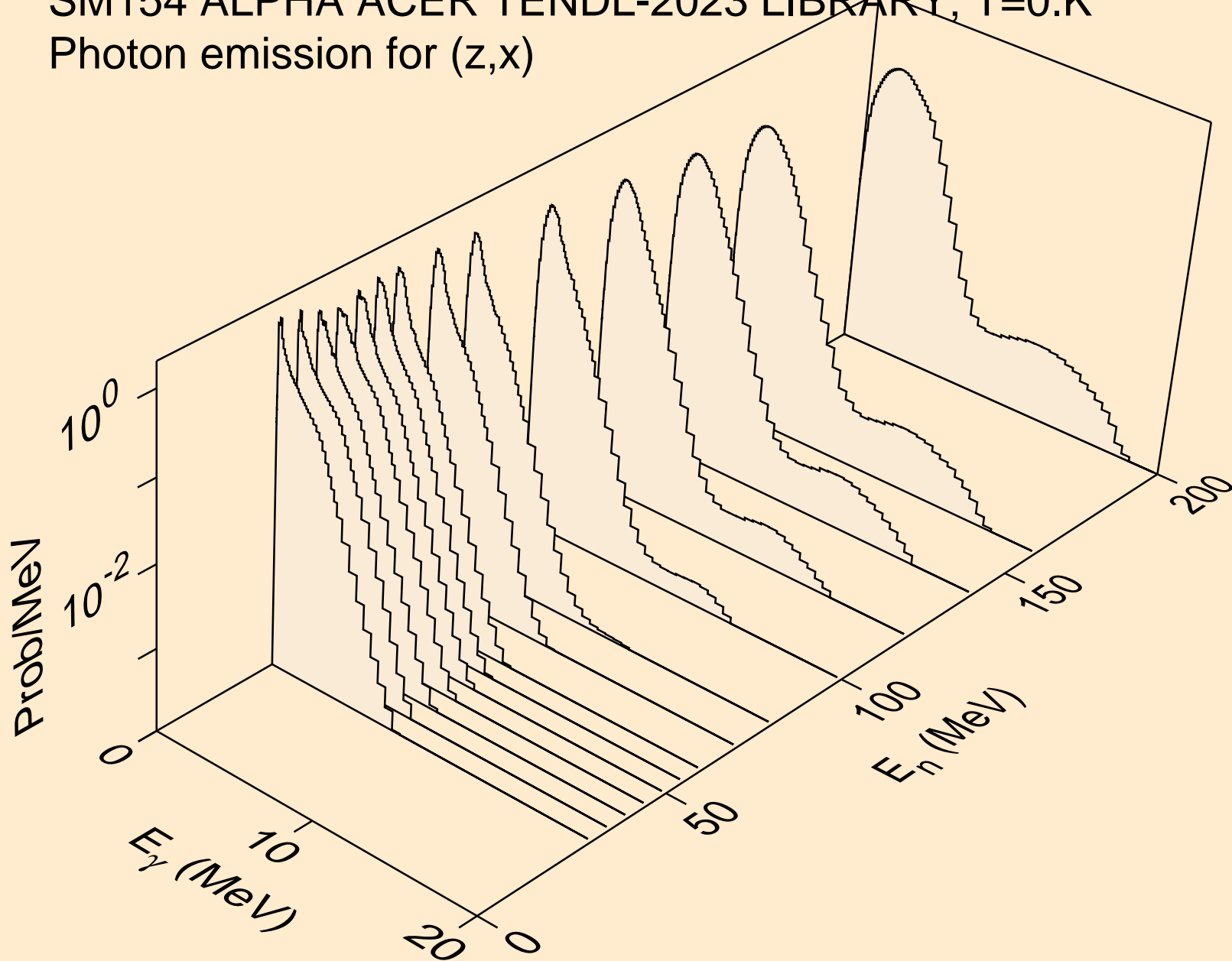


SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)

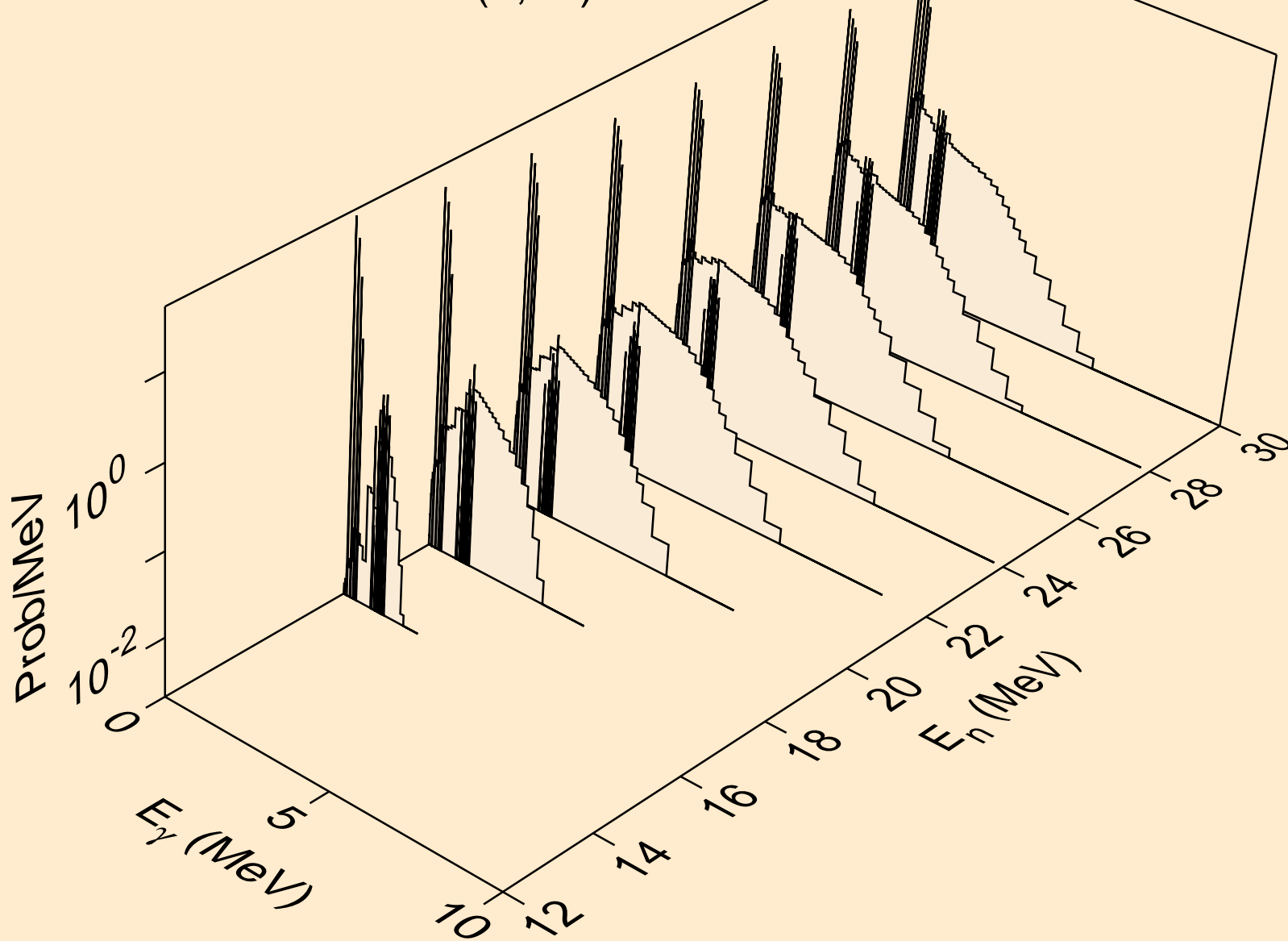




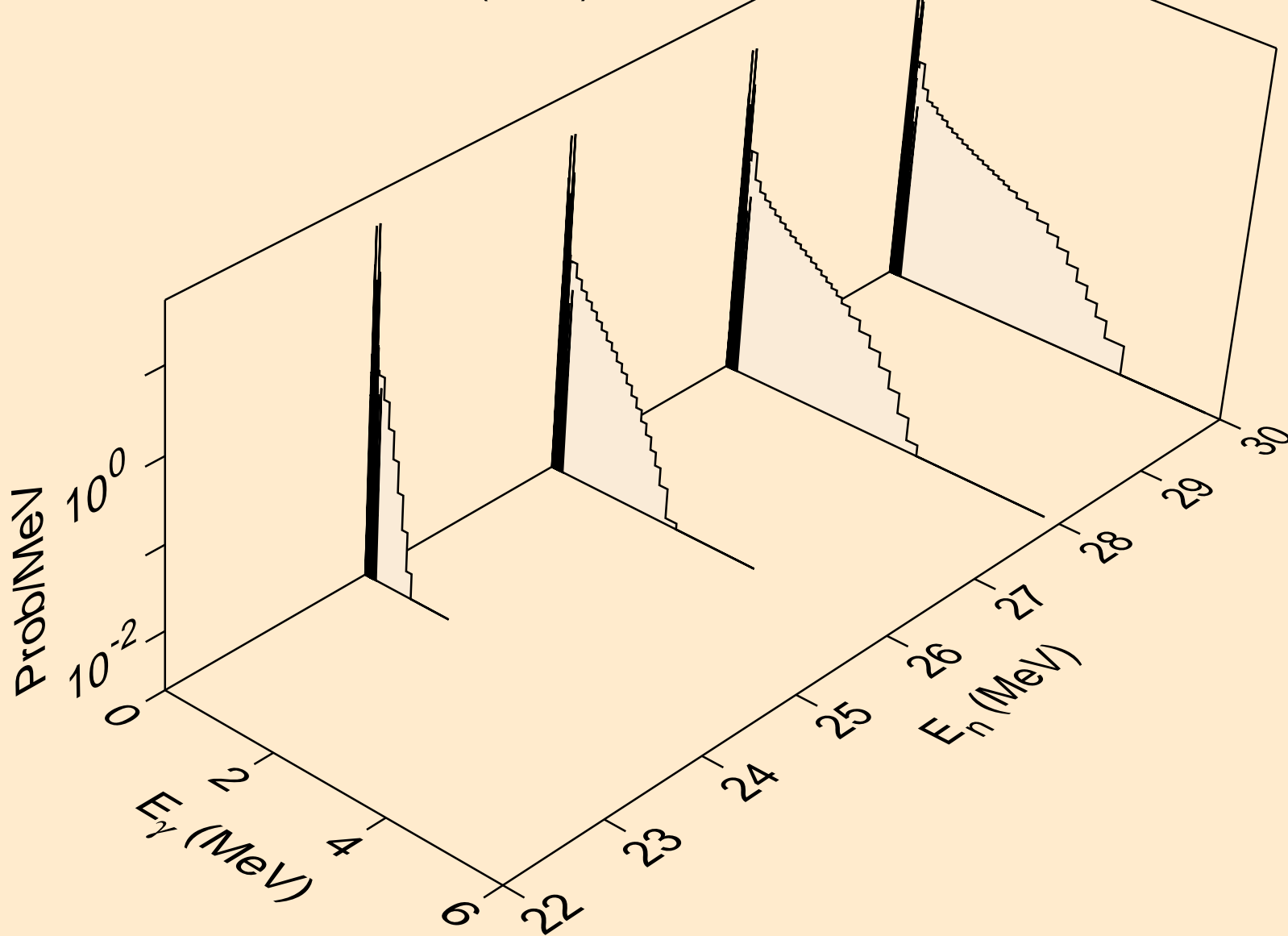
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



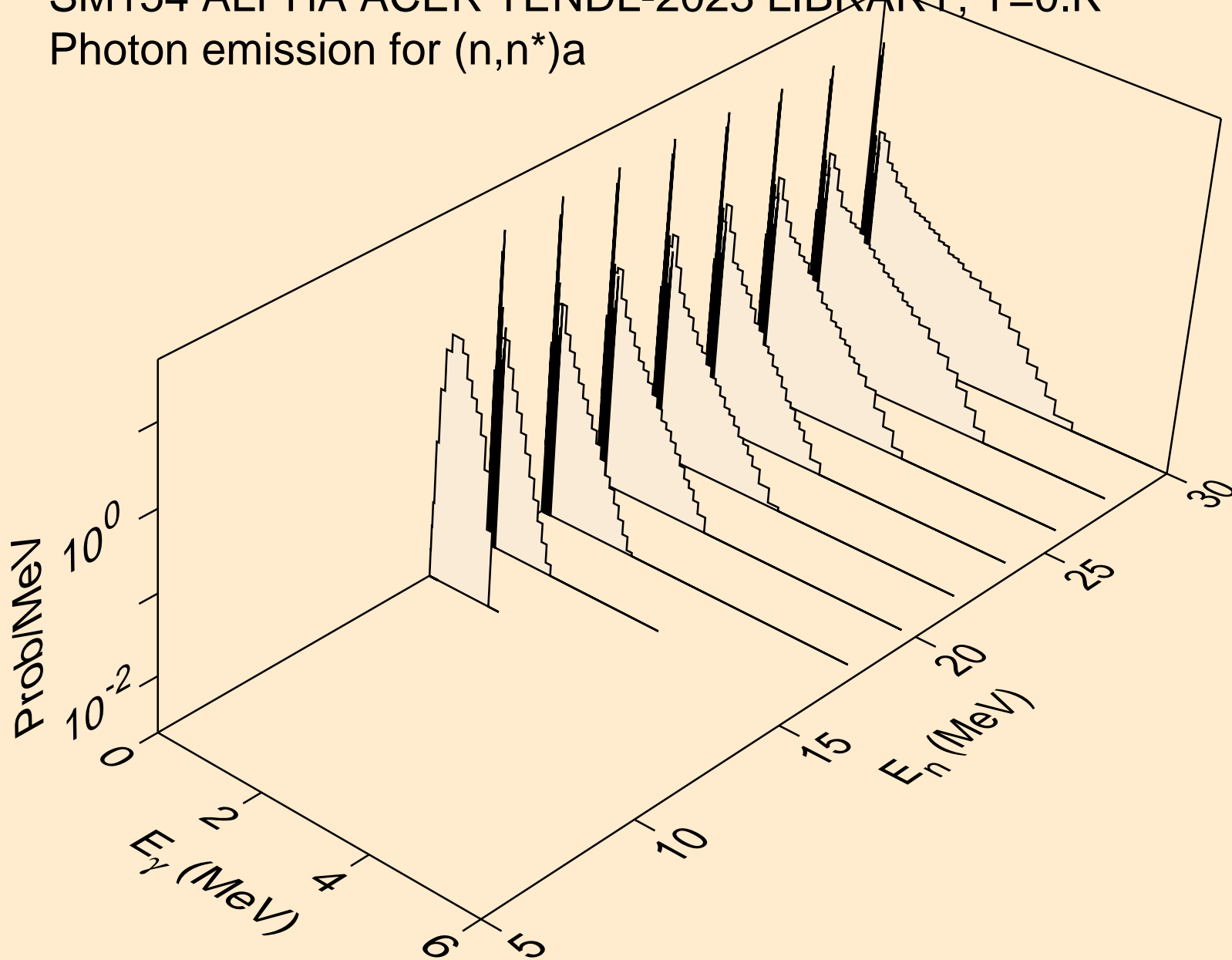
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



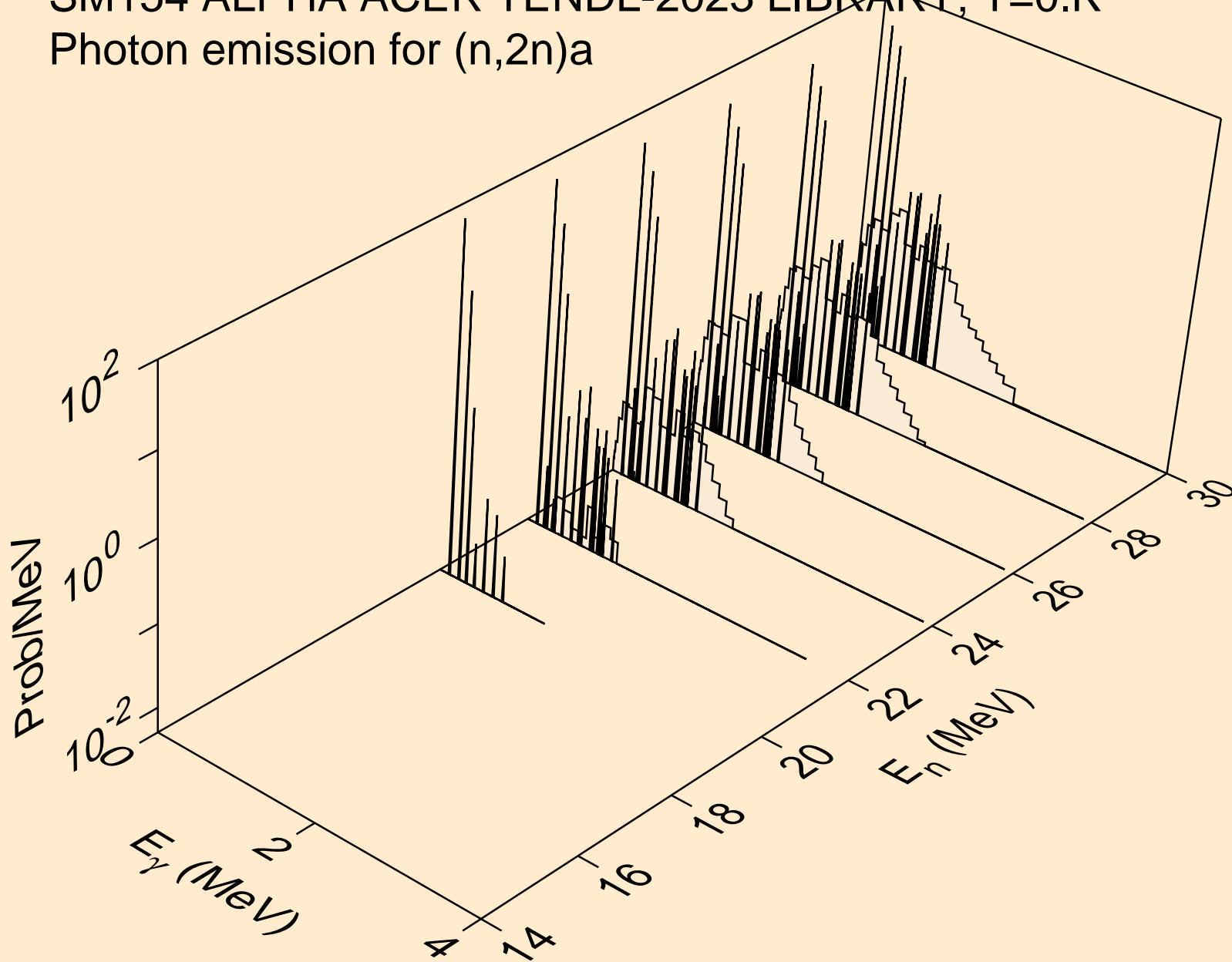
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



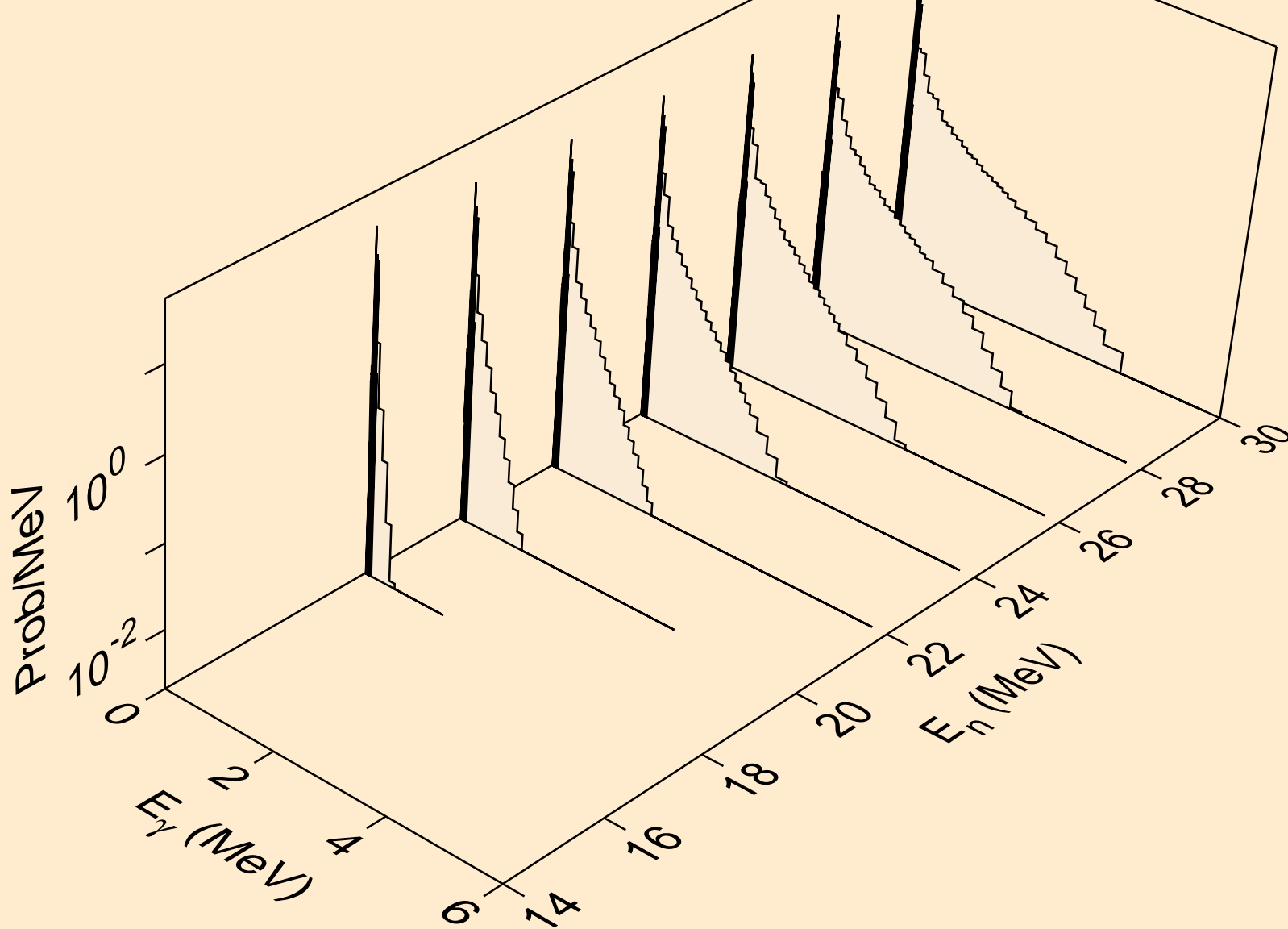
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



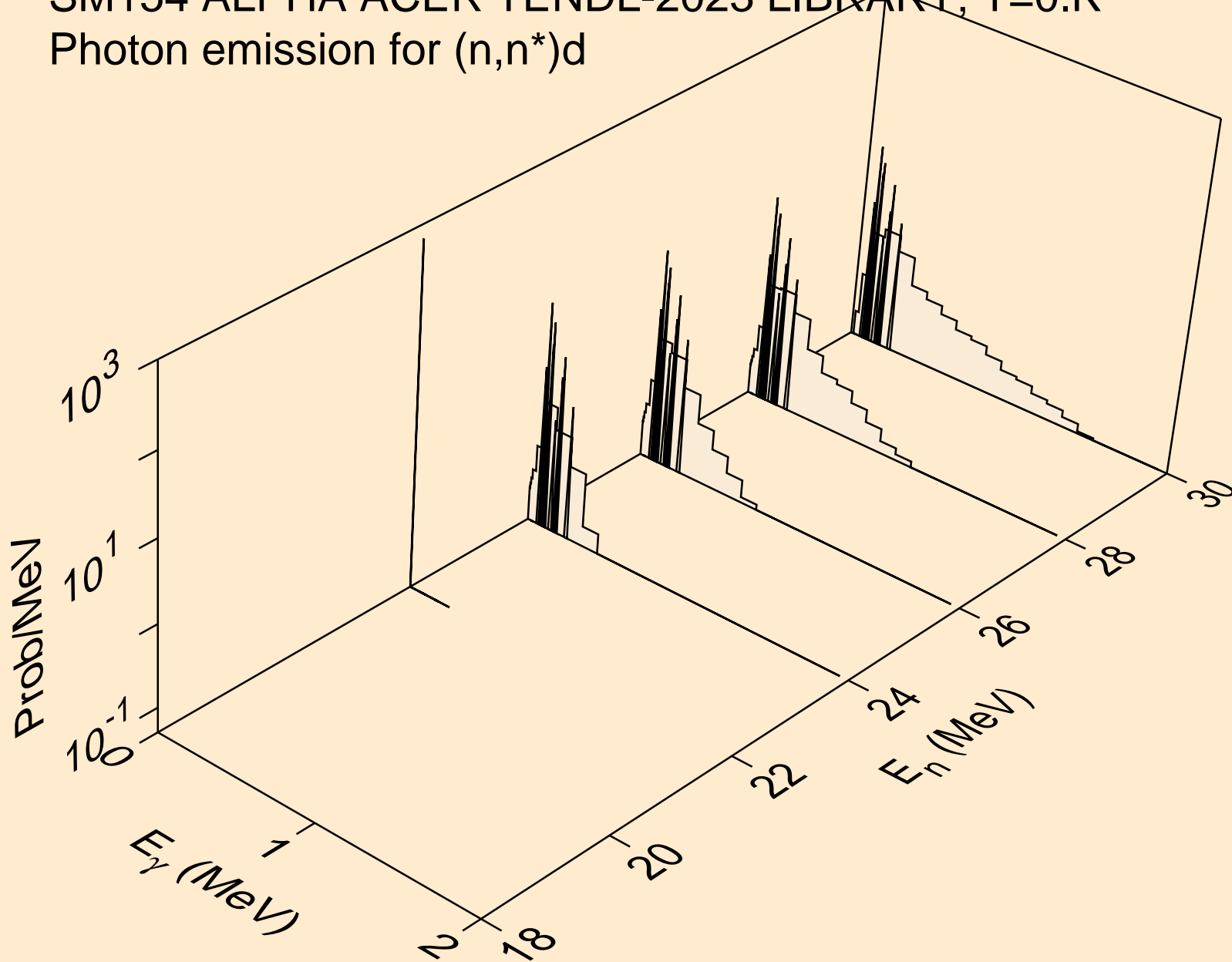
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n) $\alpha$



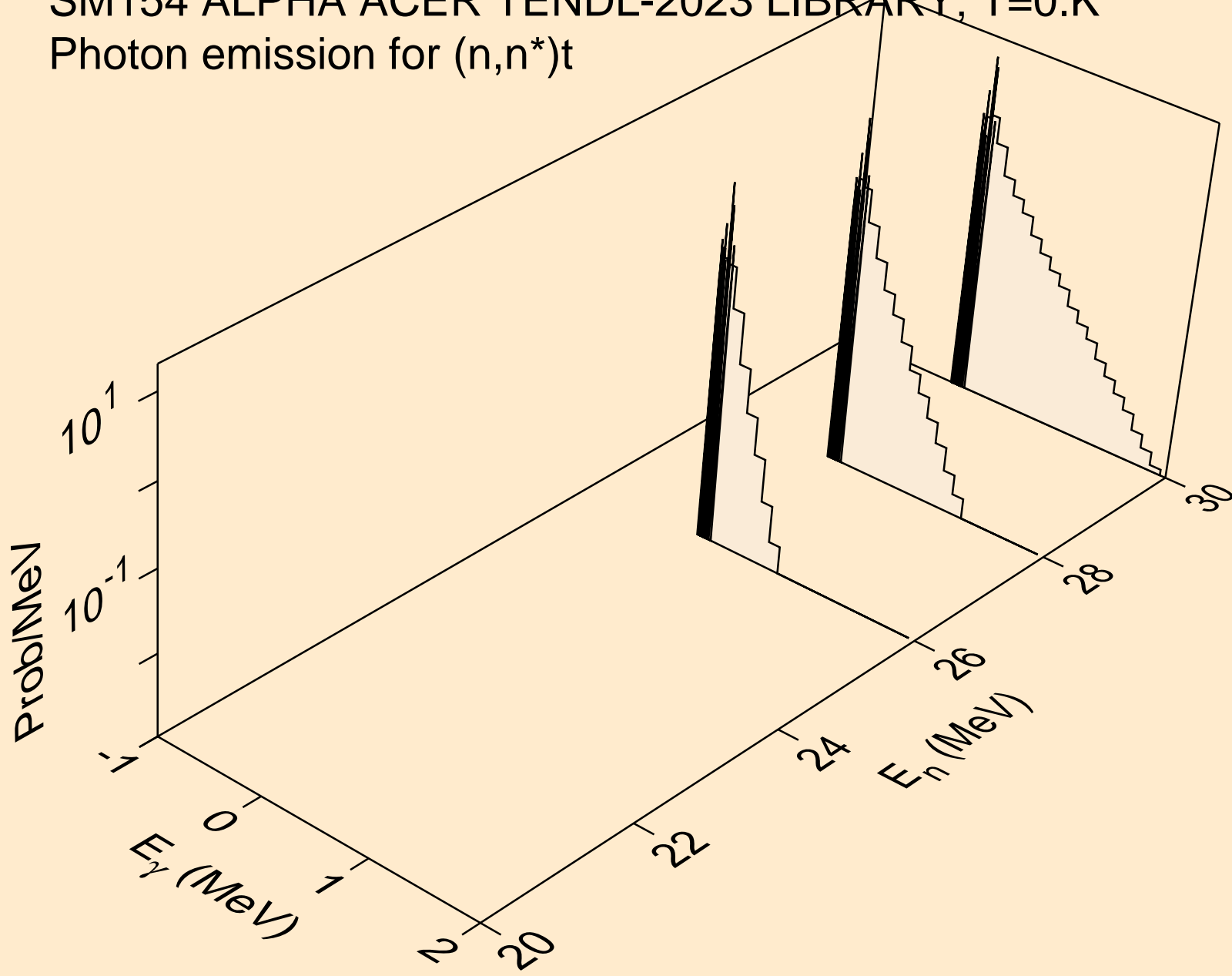
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

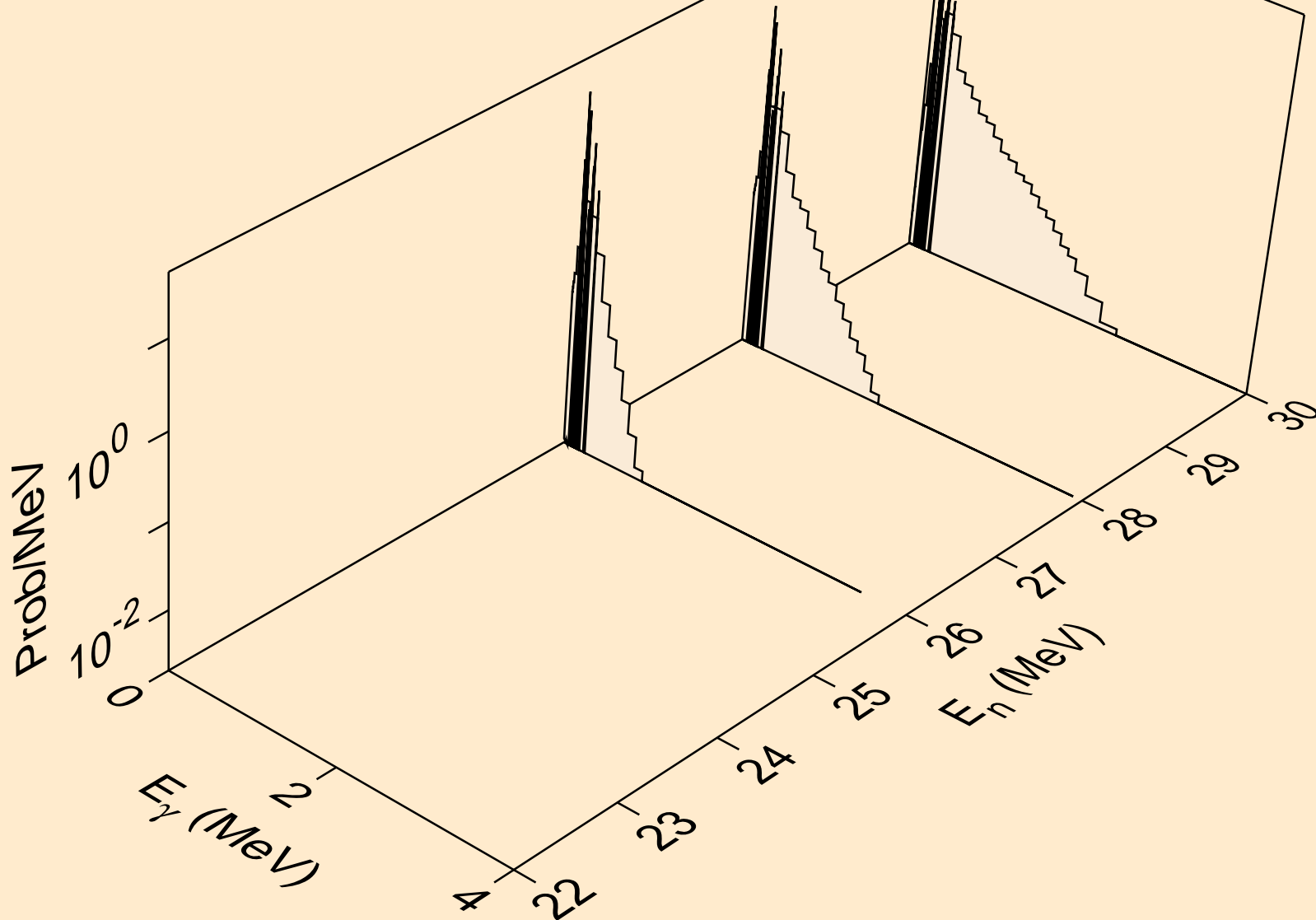


SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

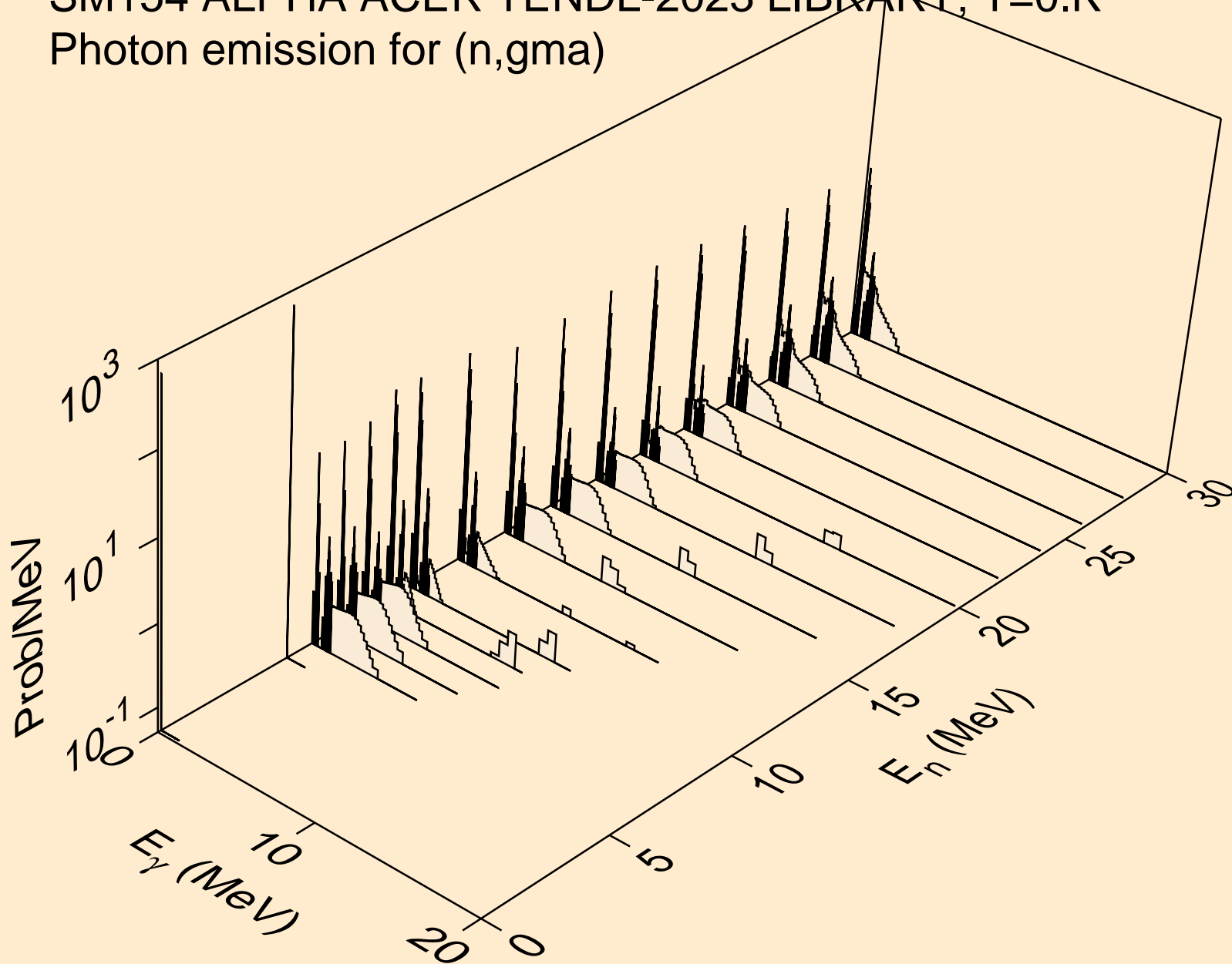




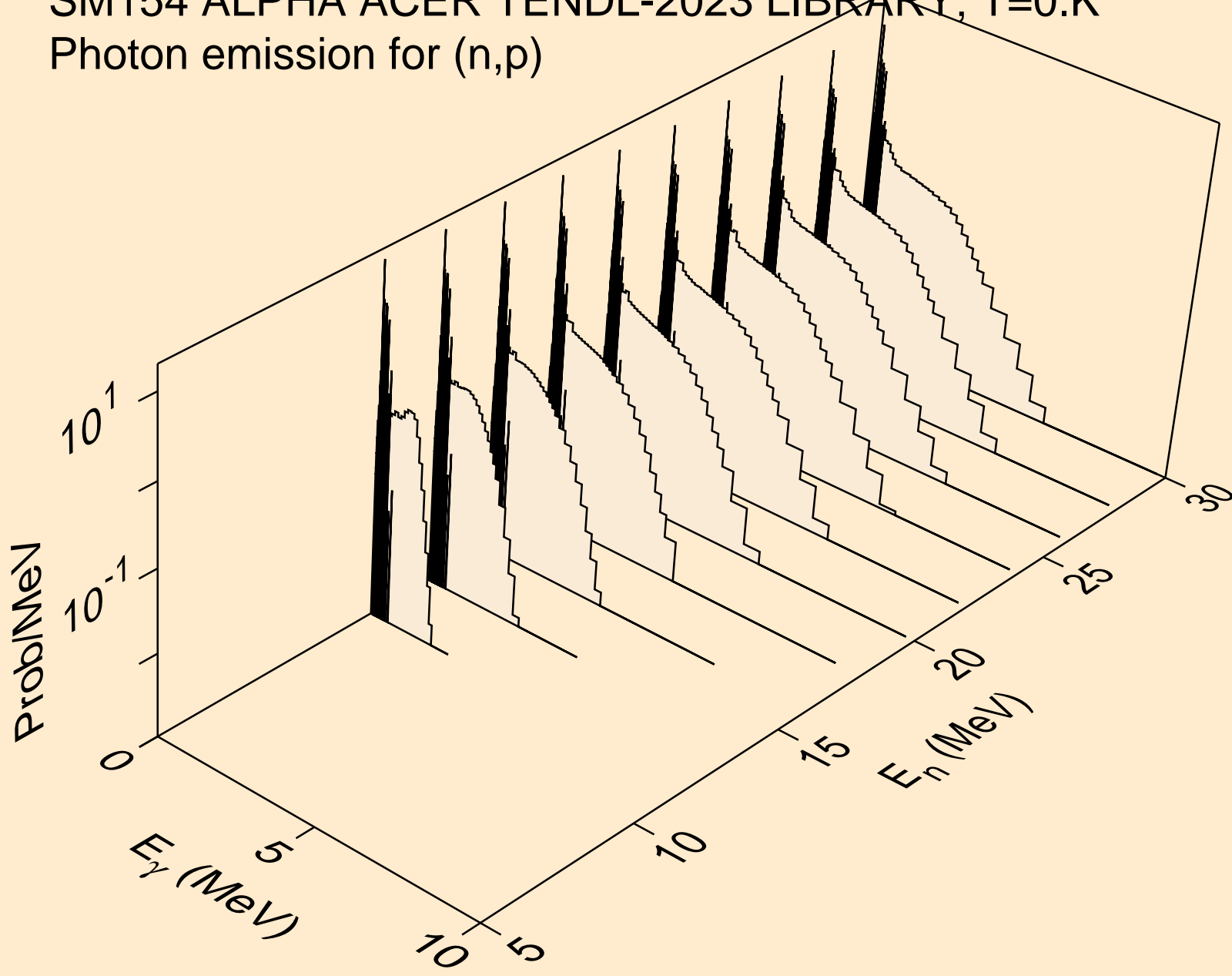
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



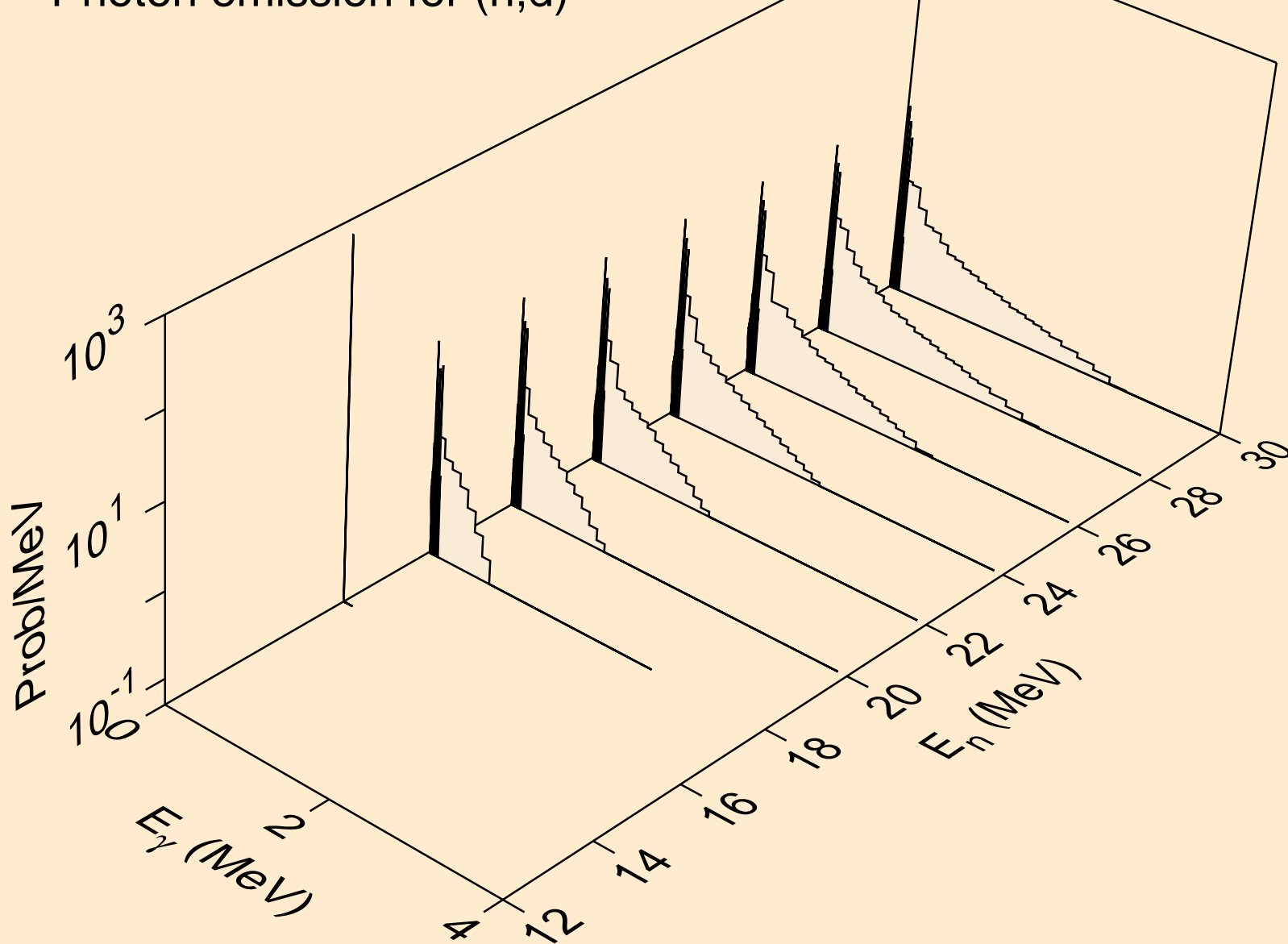
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



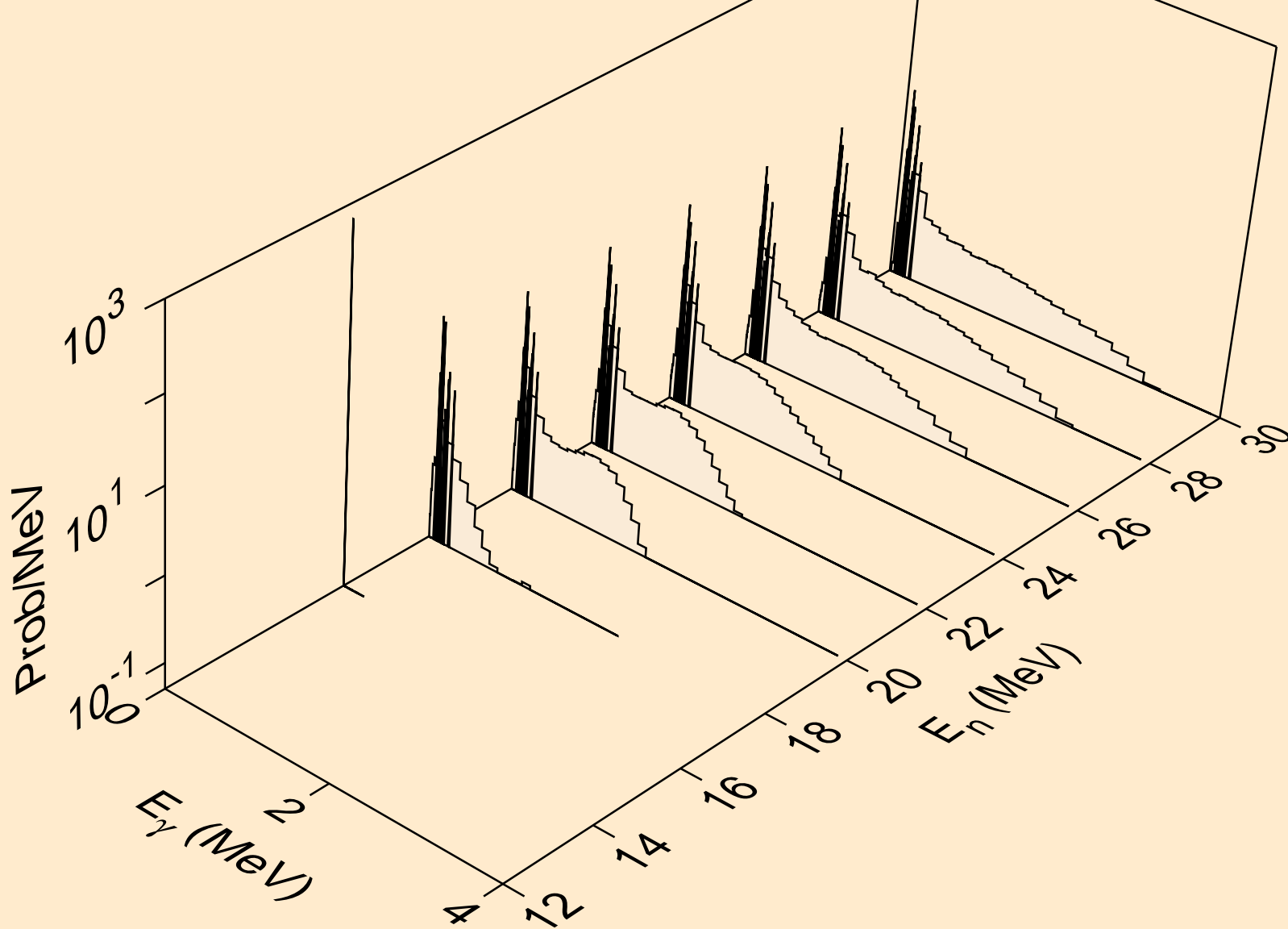
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



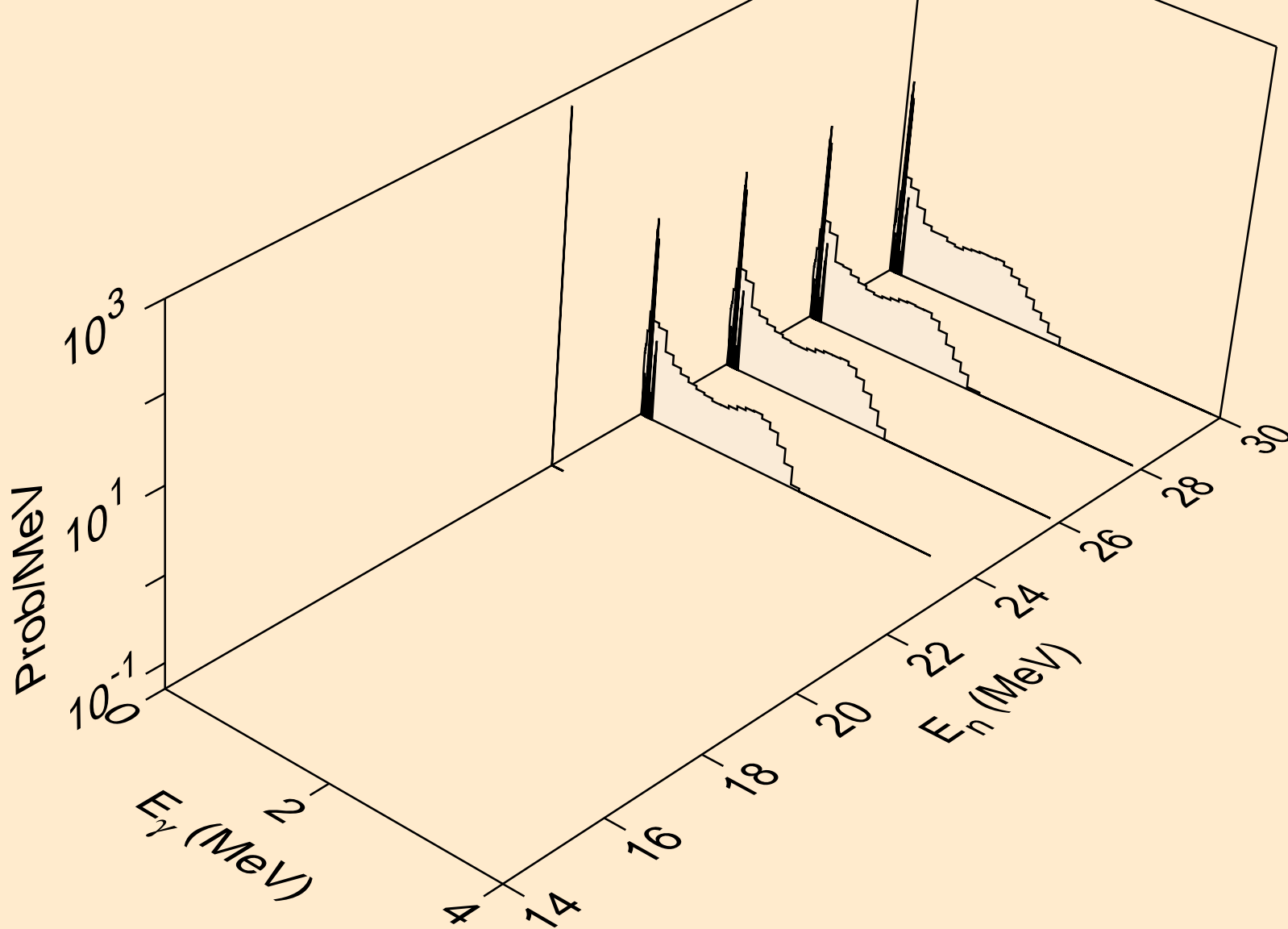
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



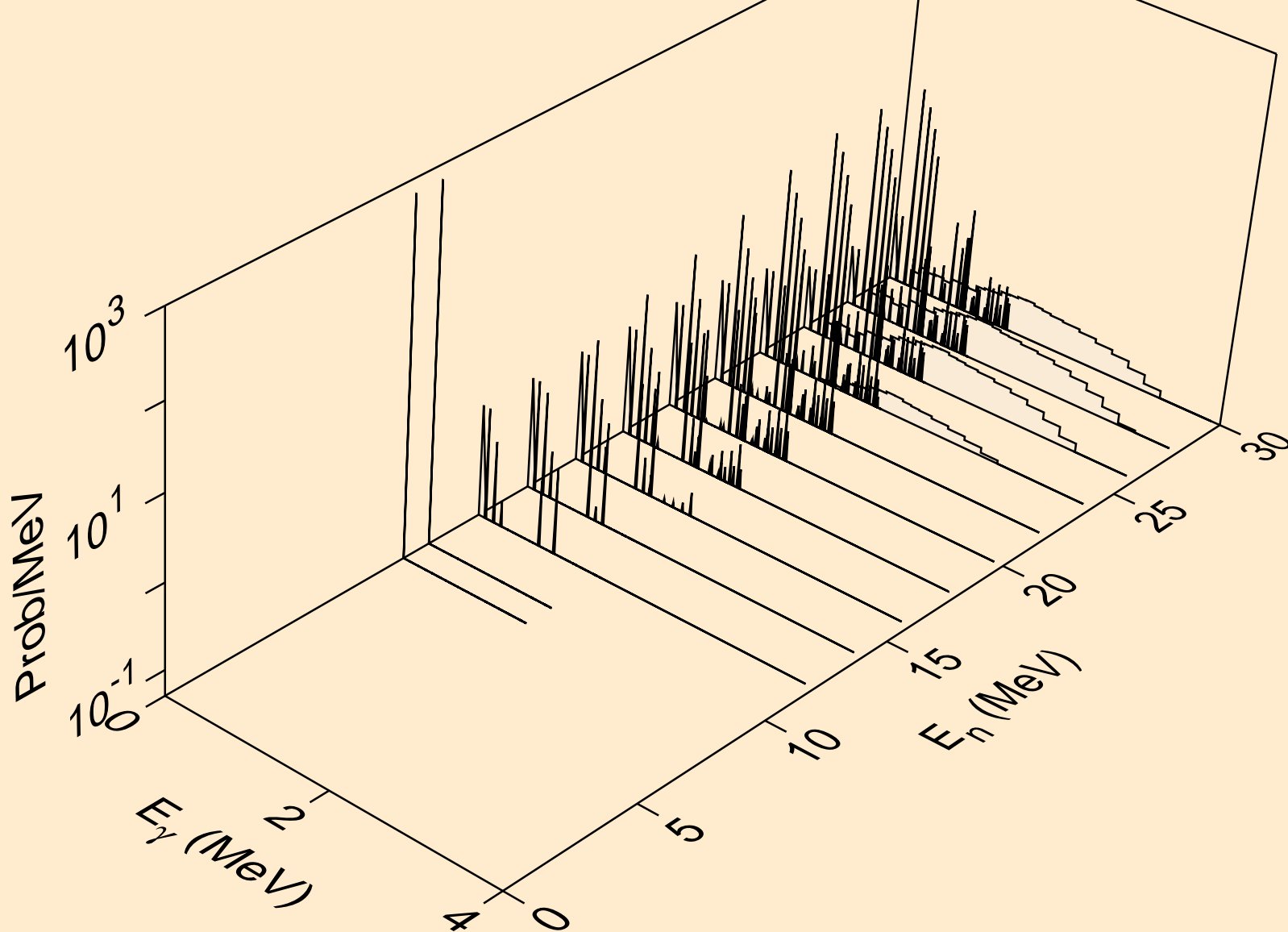
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



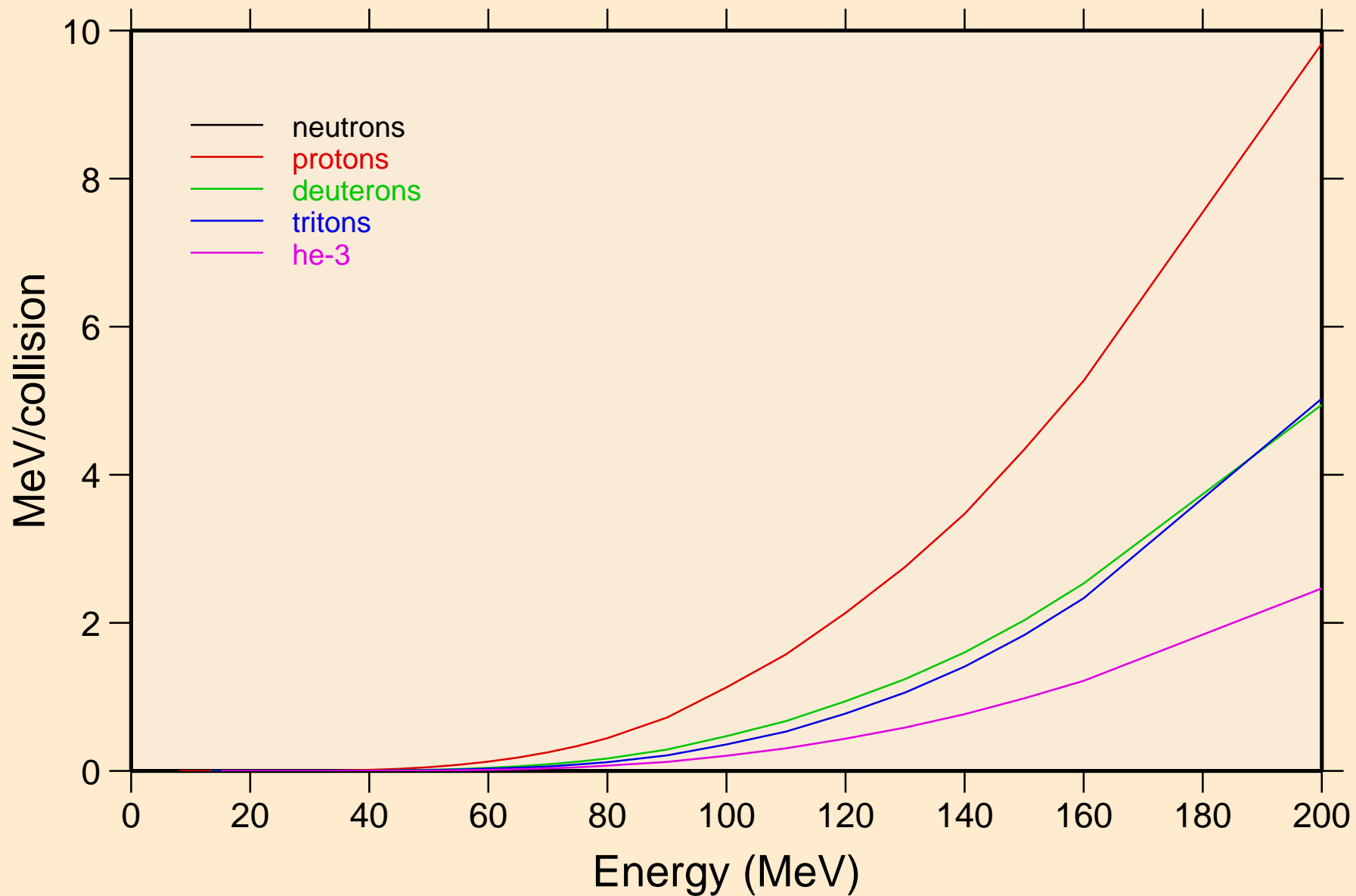
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



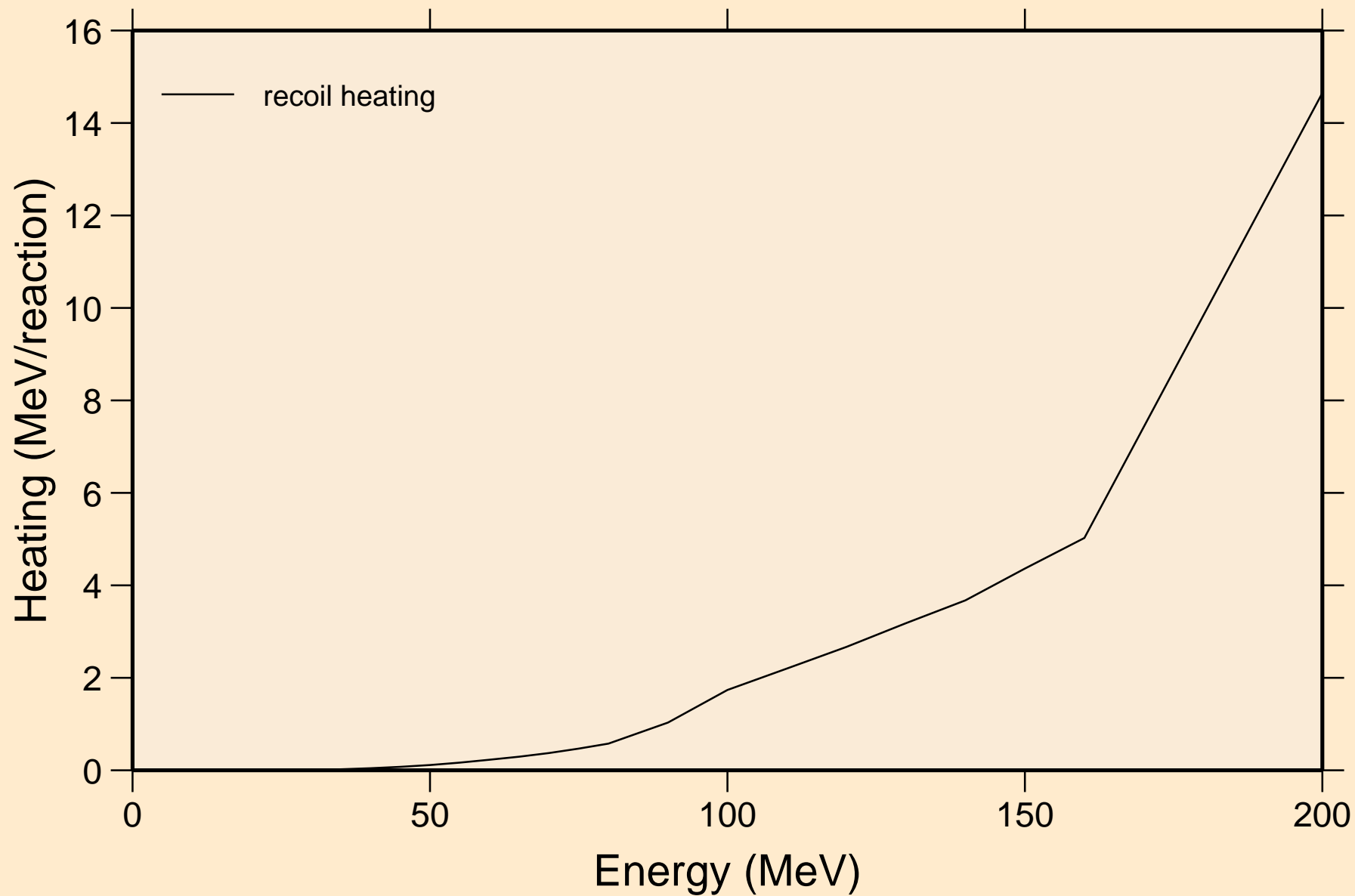
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions





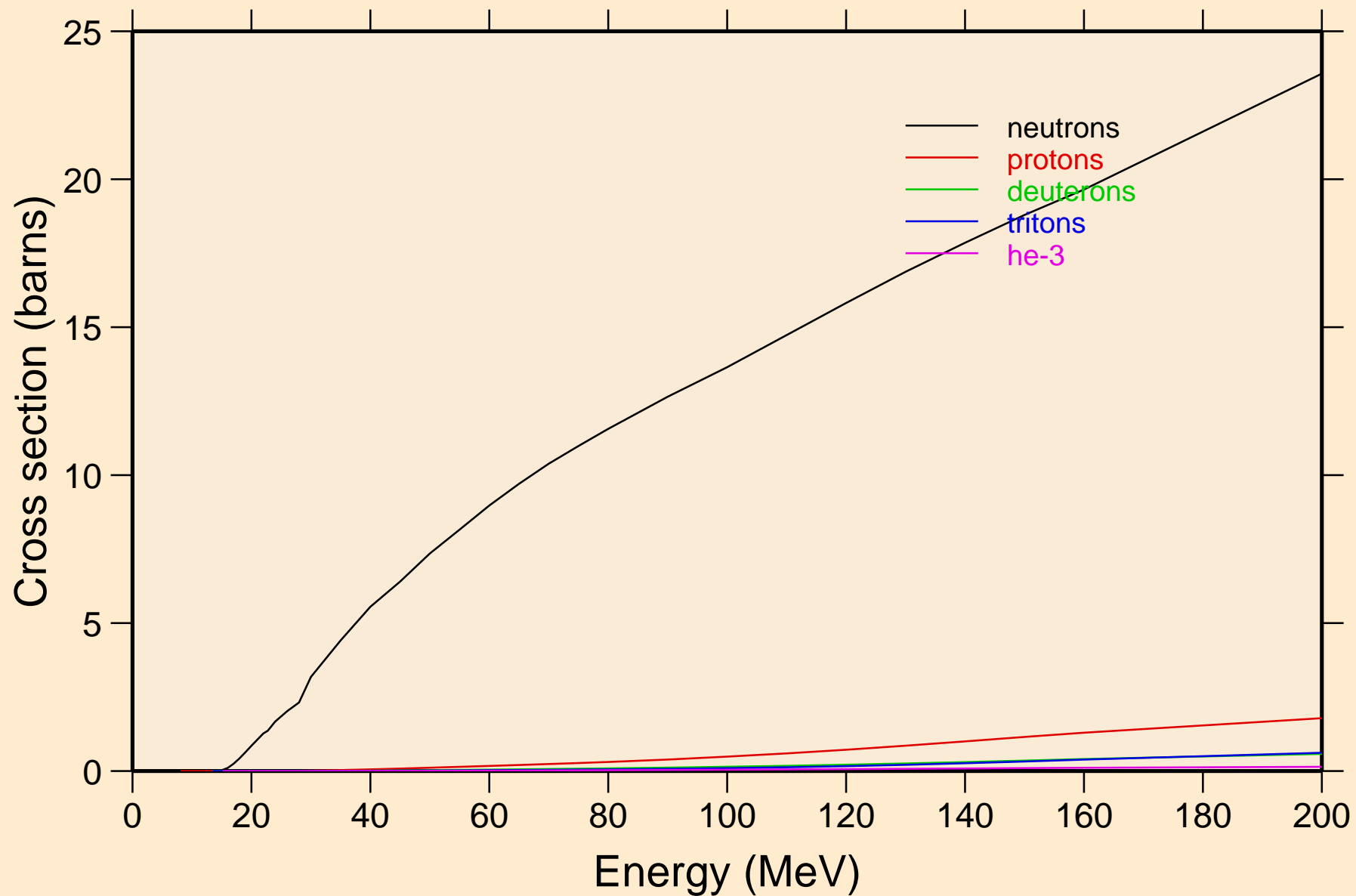
# SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Recoil Heating

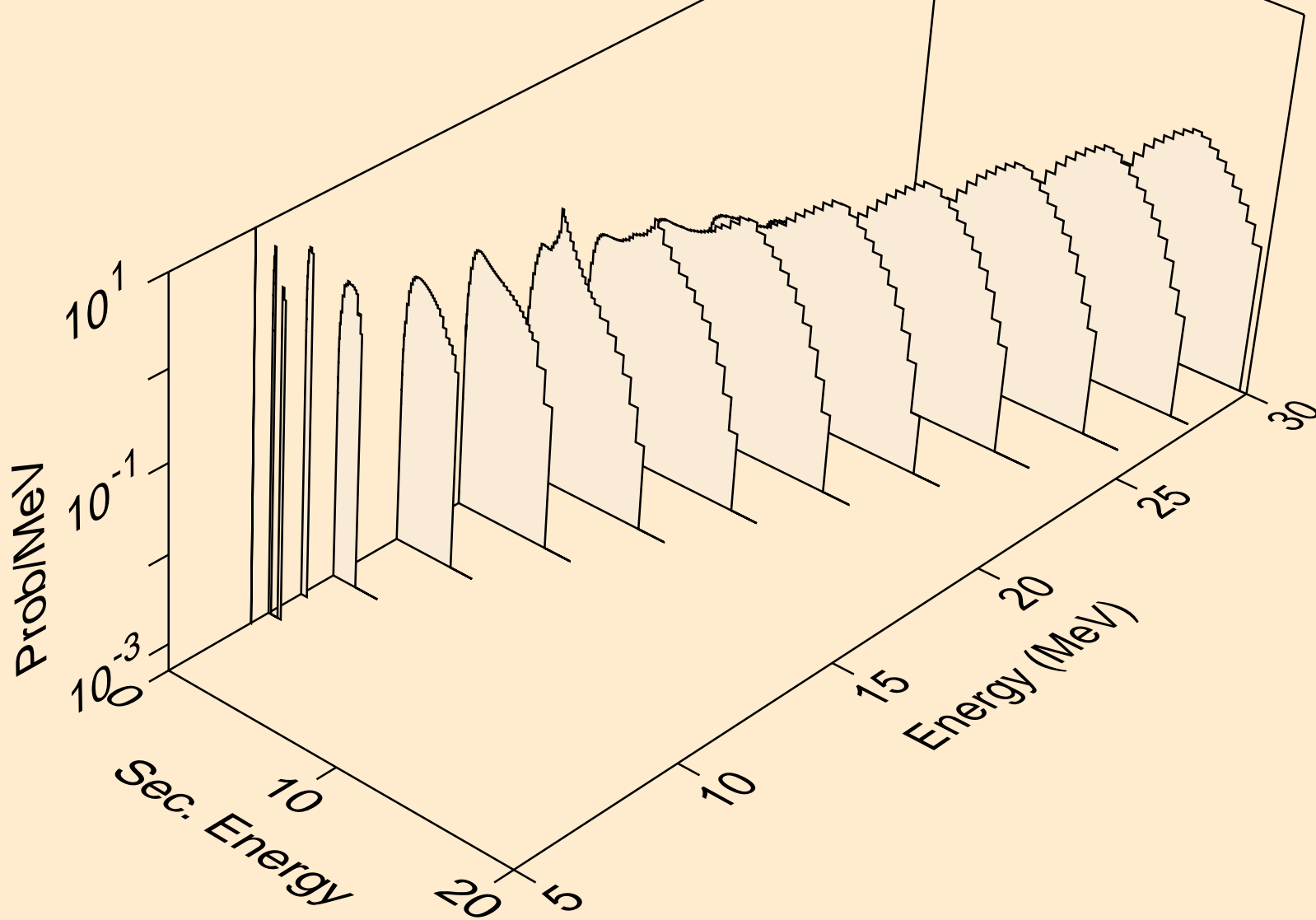


# SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

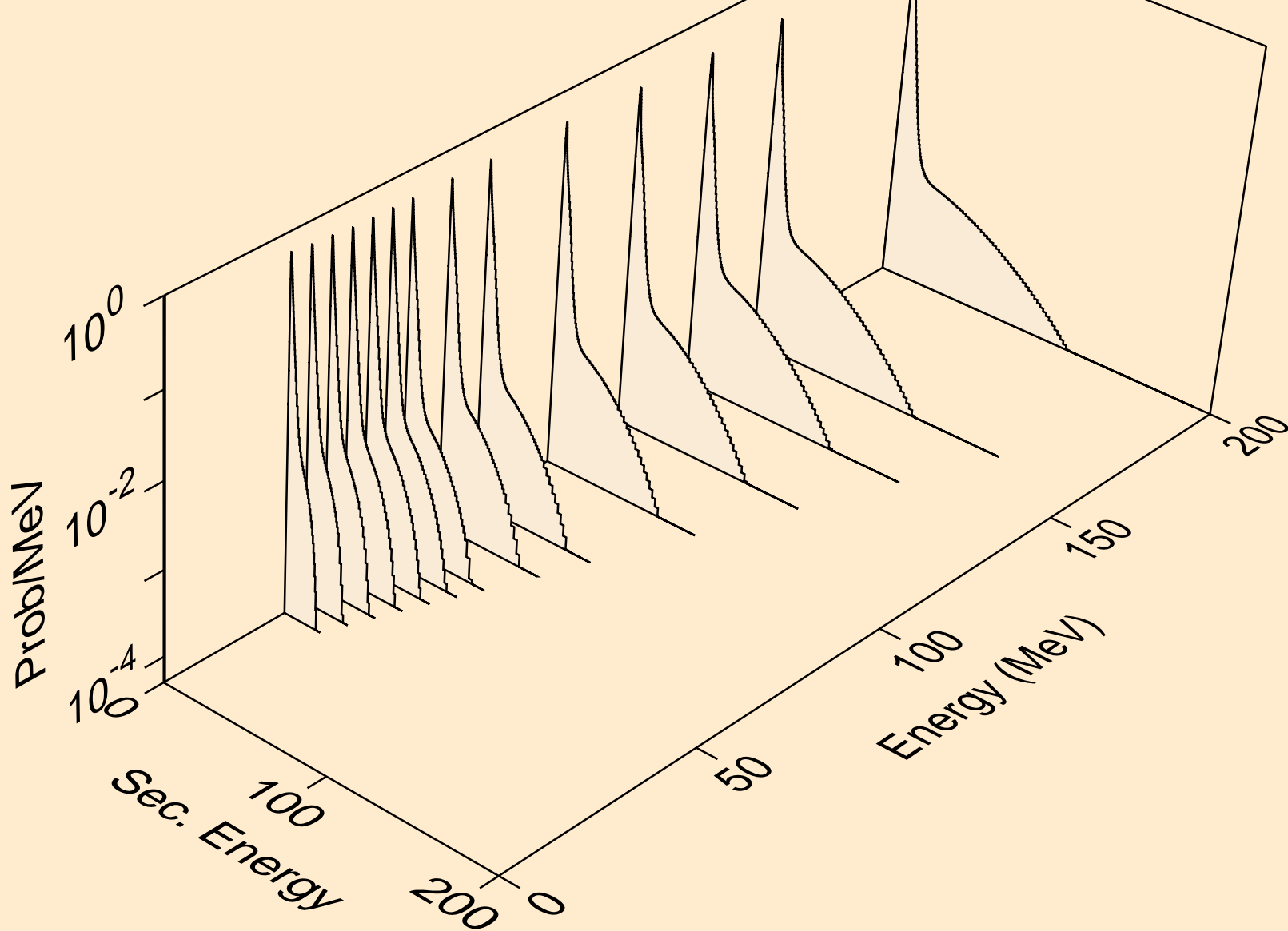
## Particle production cross sections



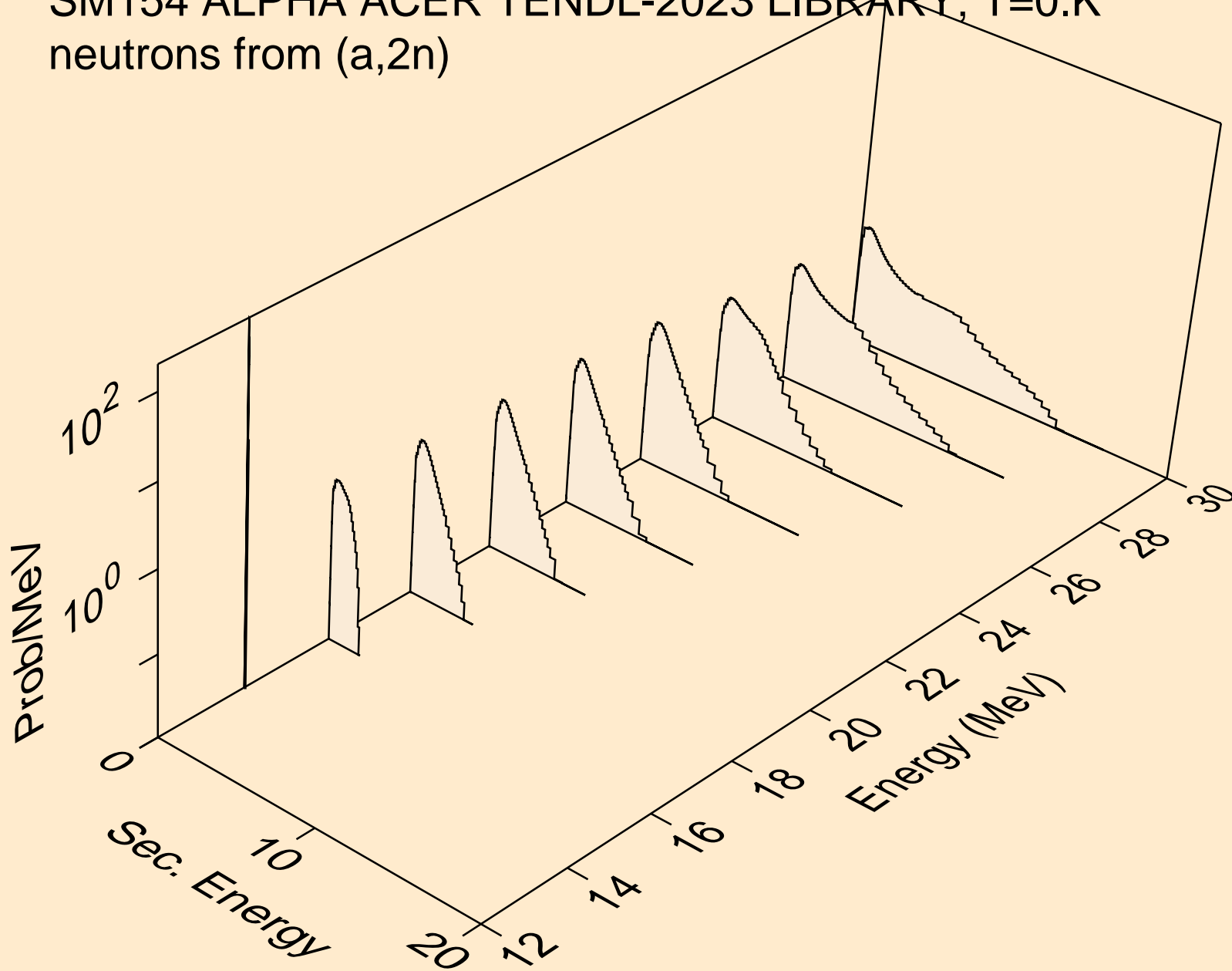
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n)



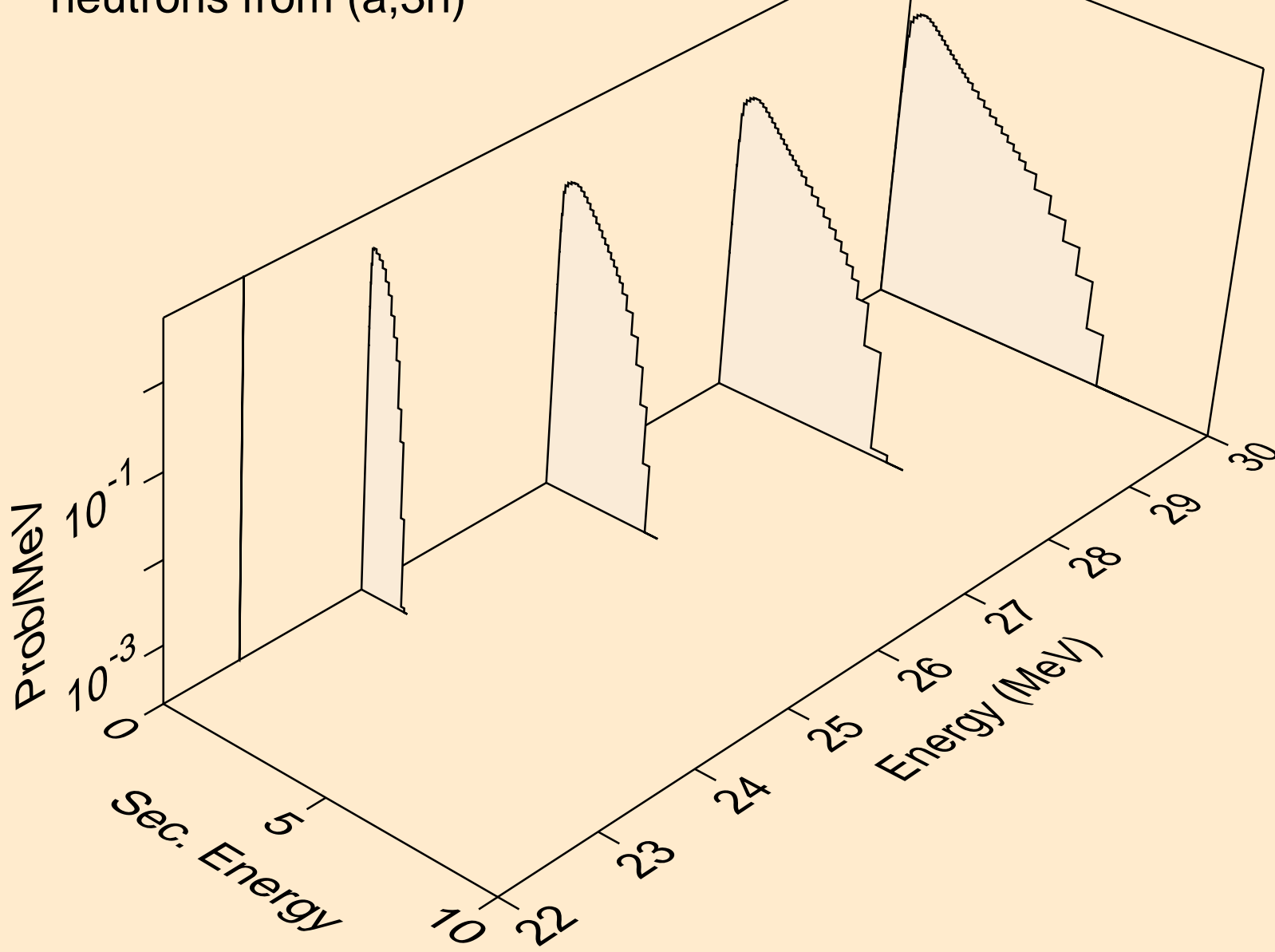
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,x)



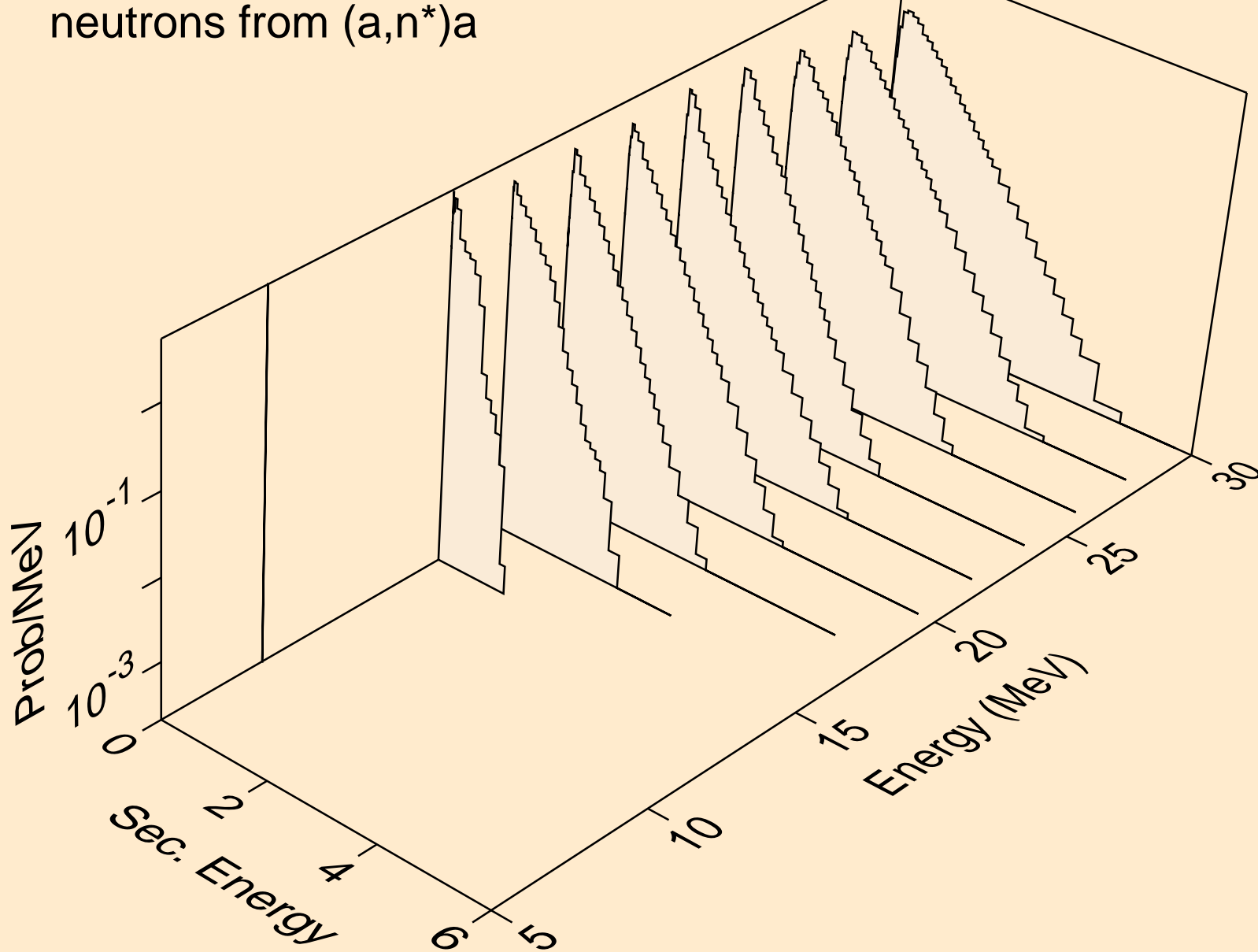
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2n)



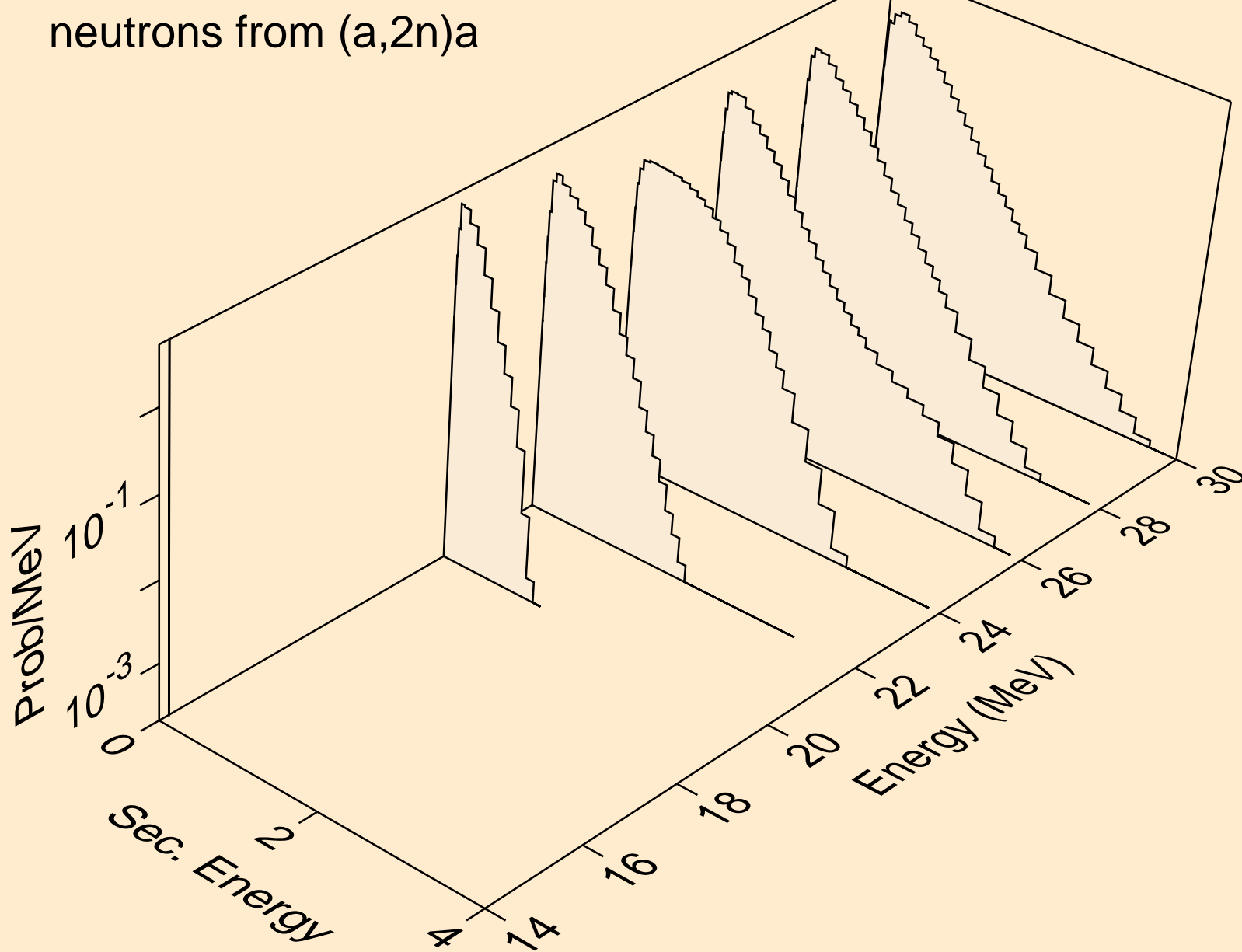
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,3n)



SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)a

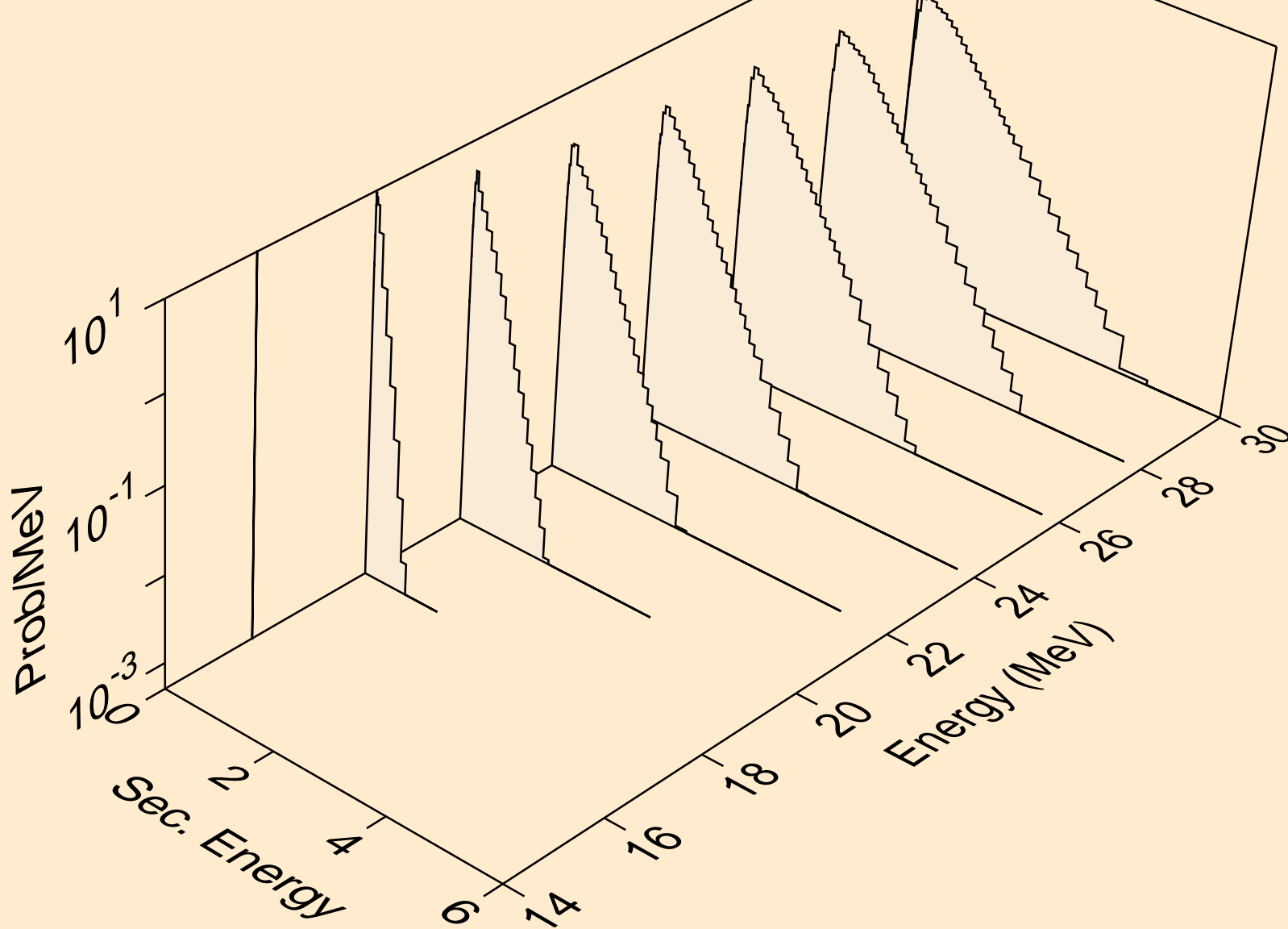


SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2n)a

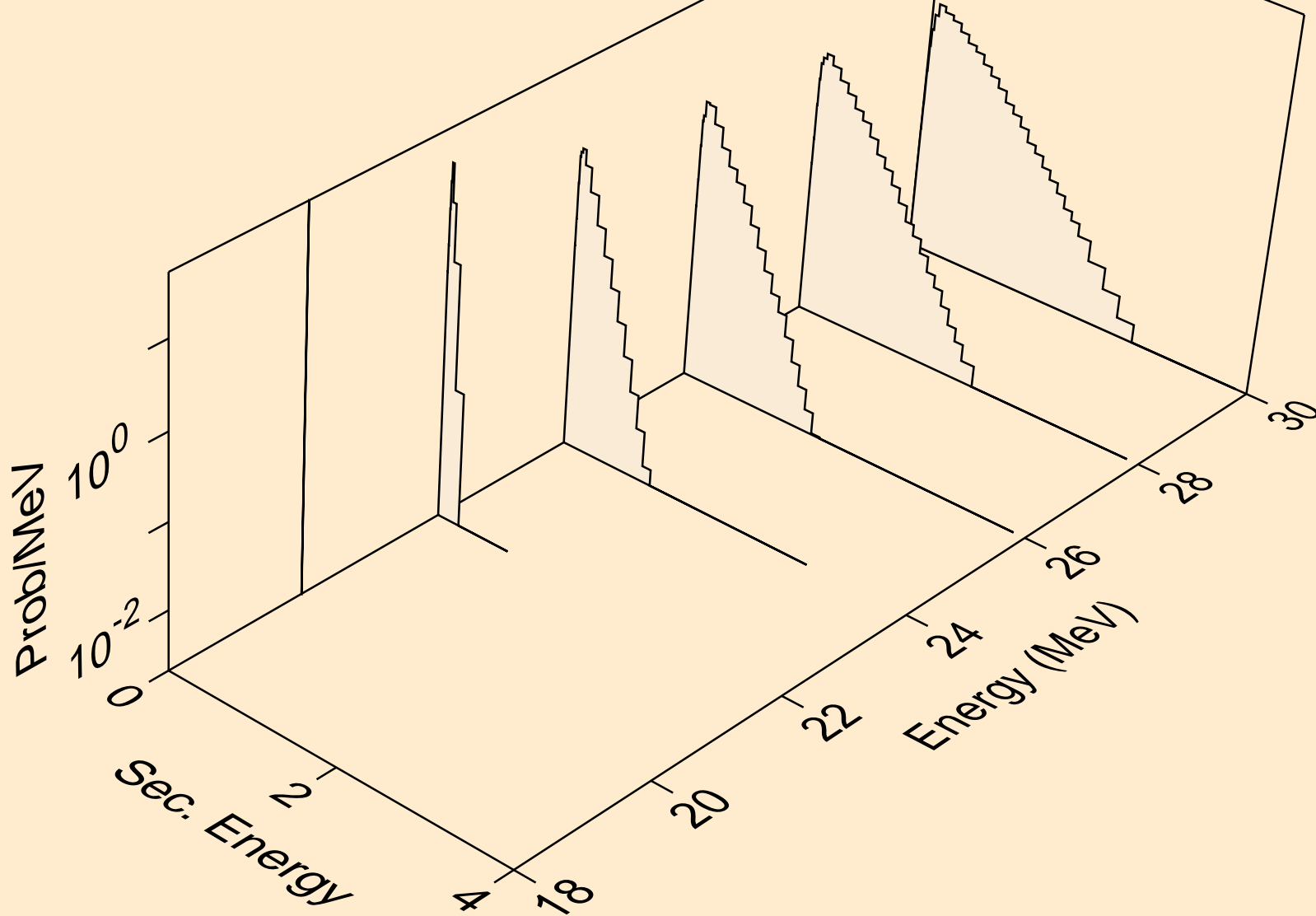




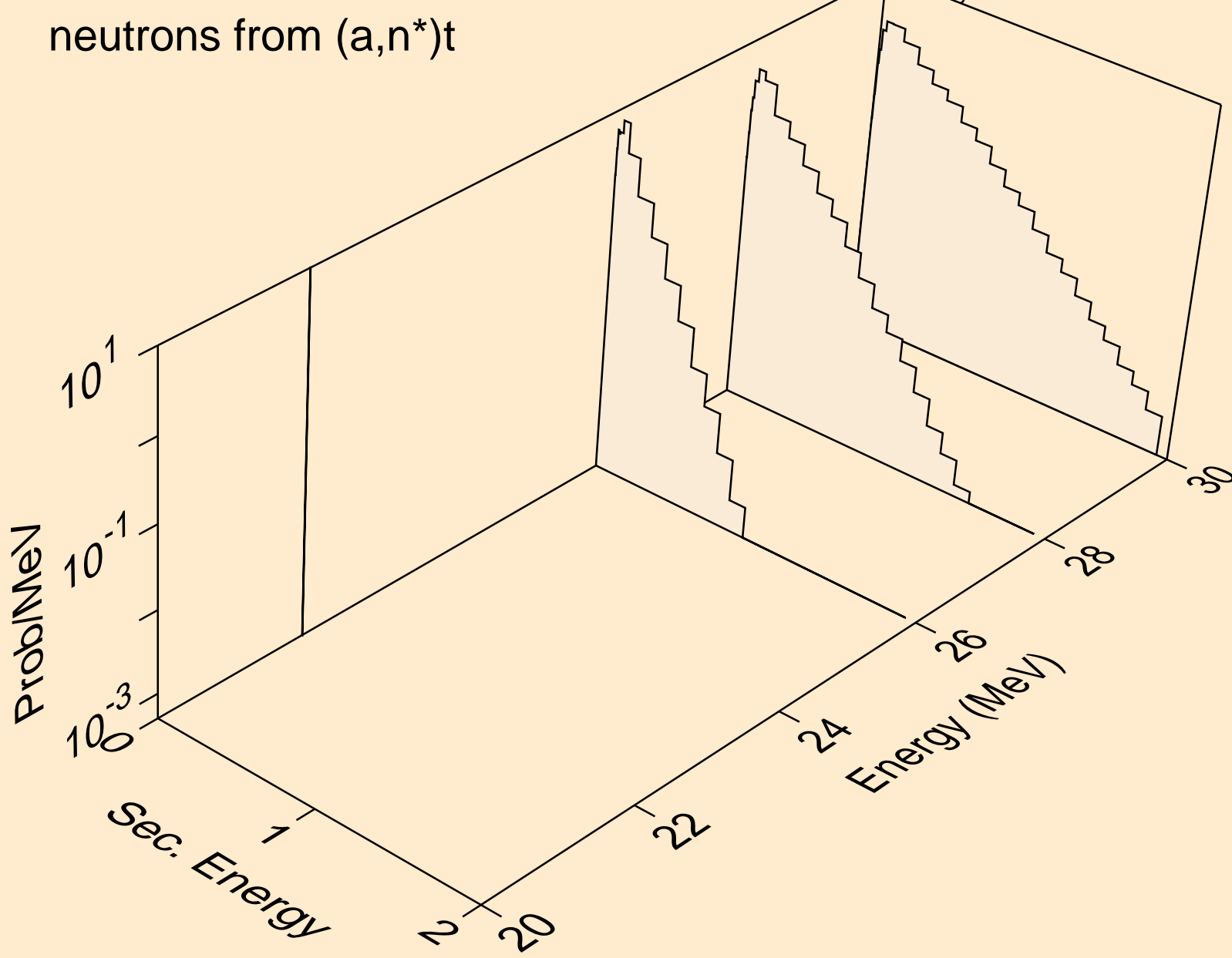
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)p



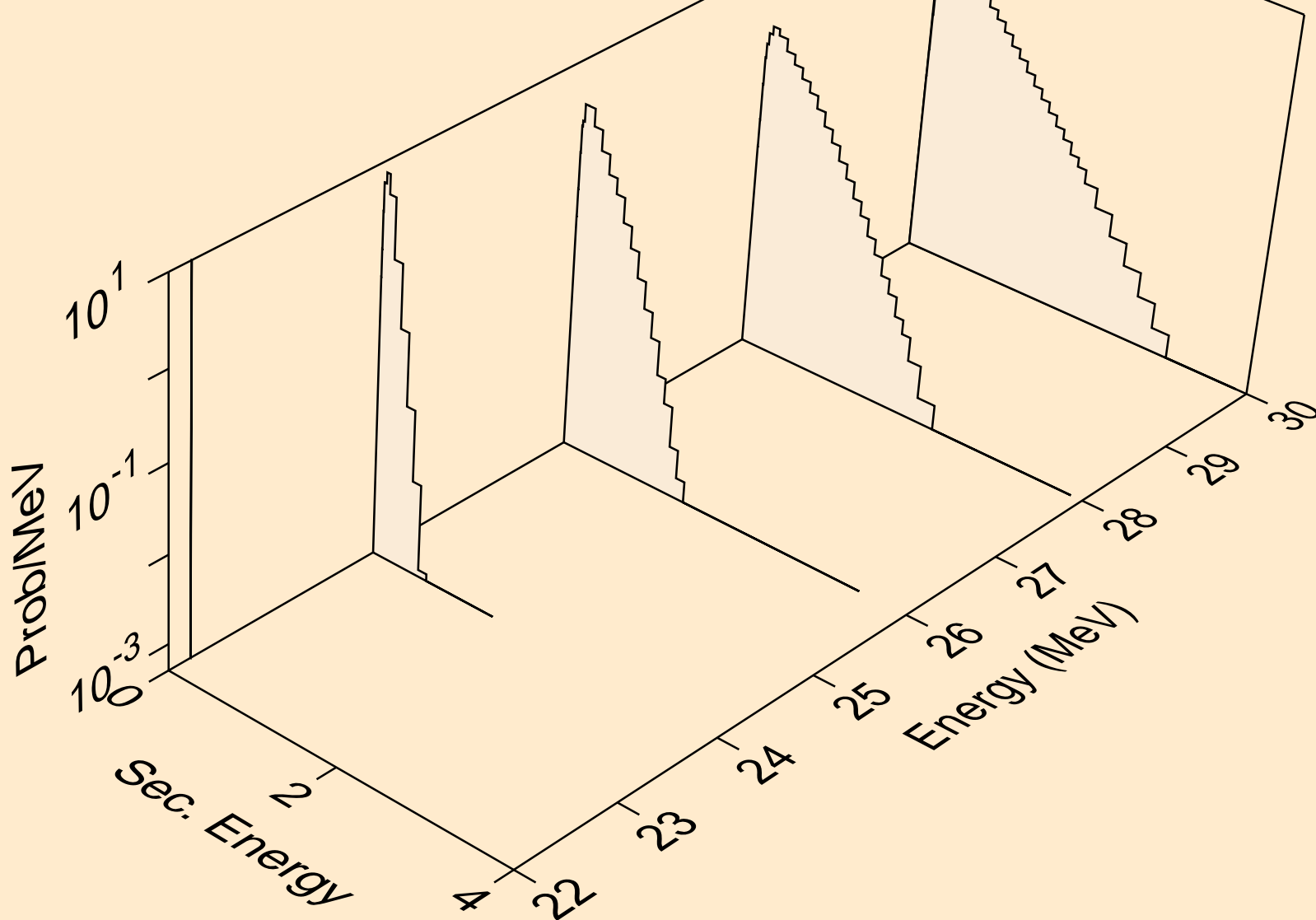
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)d



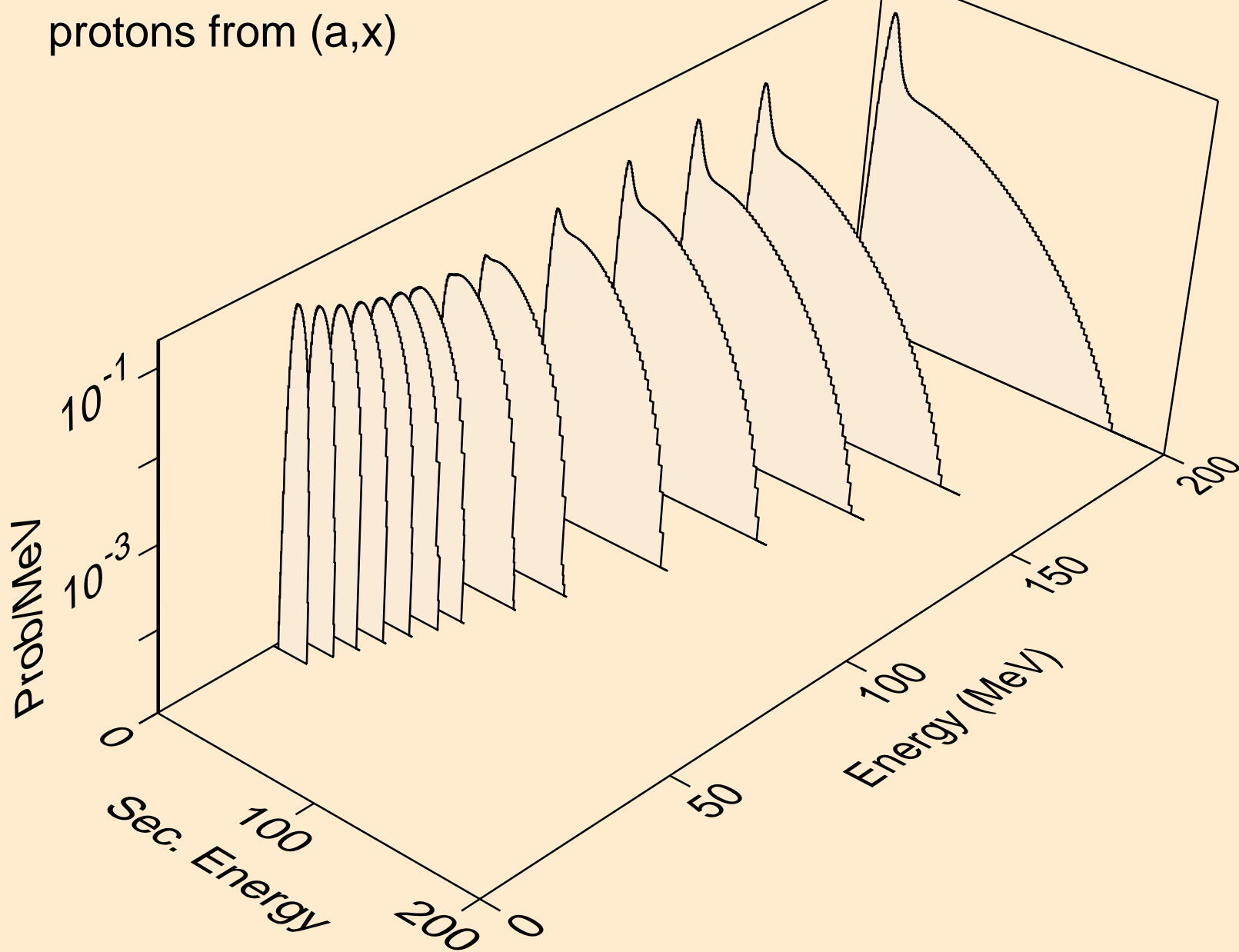
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)t



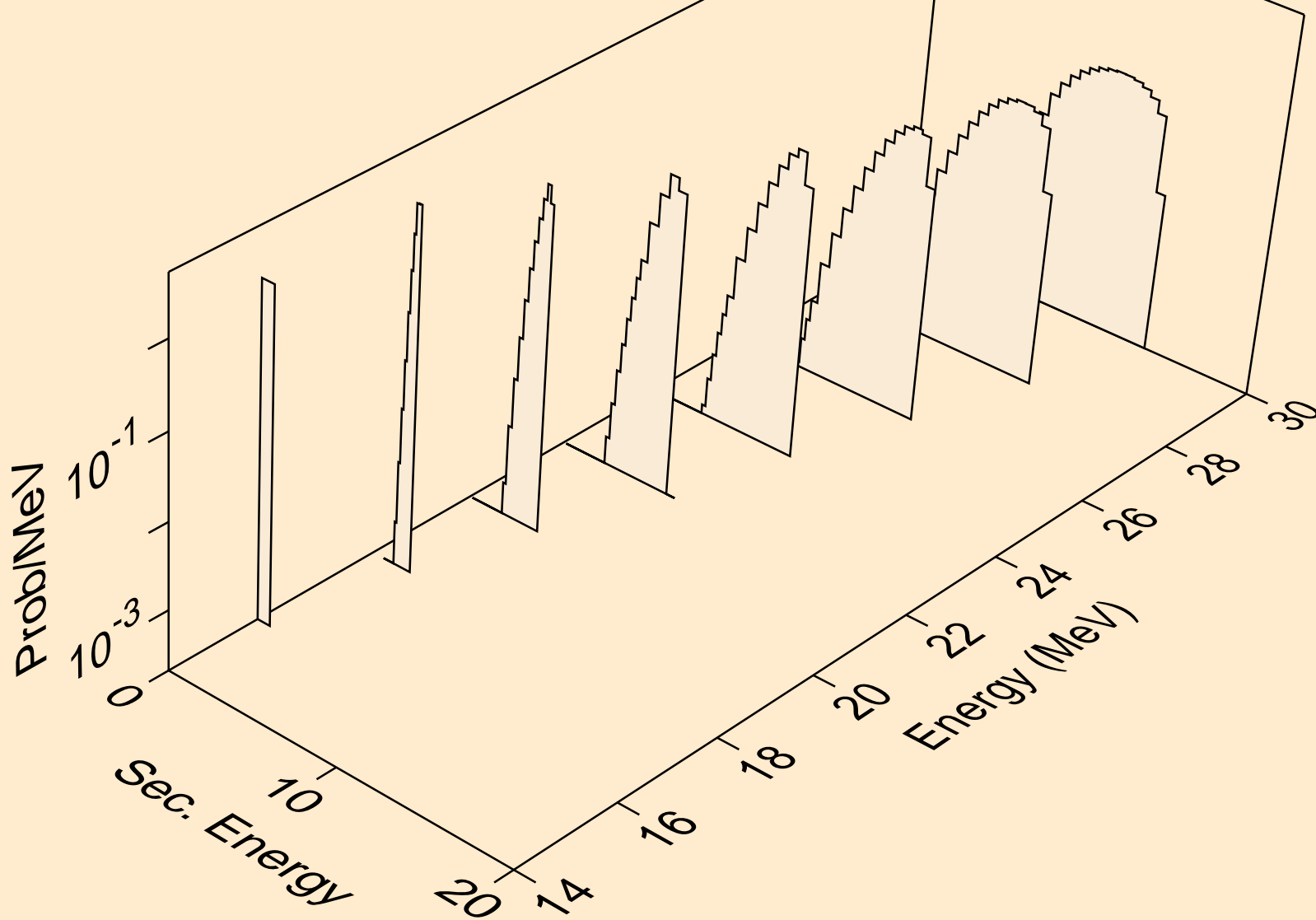
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neutrons from (a,2np)



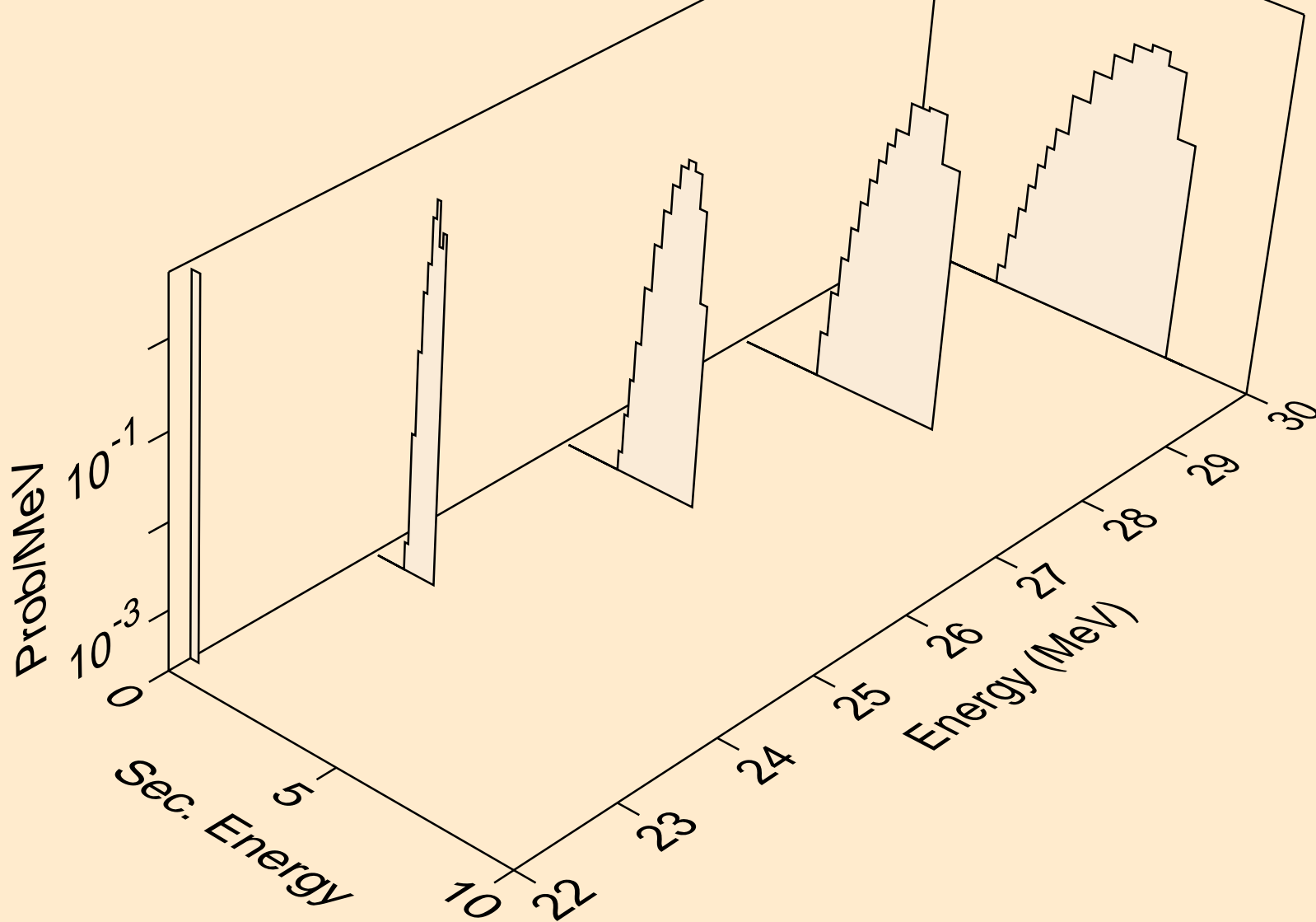
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protons from (a,x)



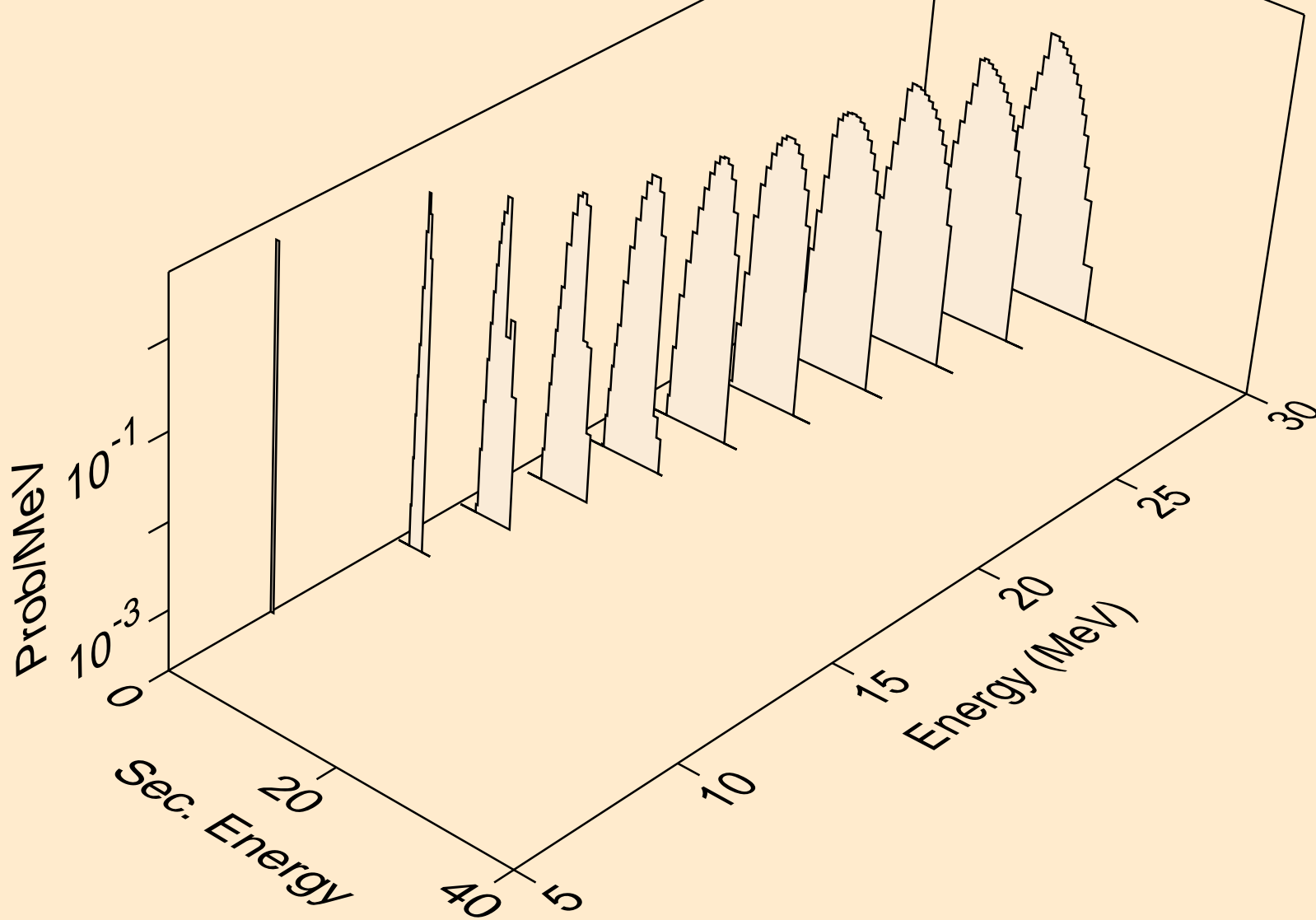
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,n\*)p



SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,2np)

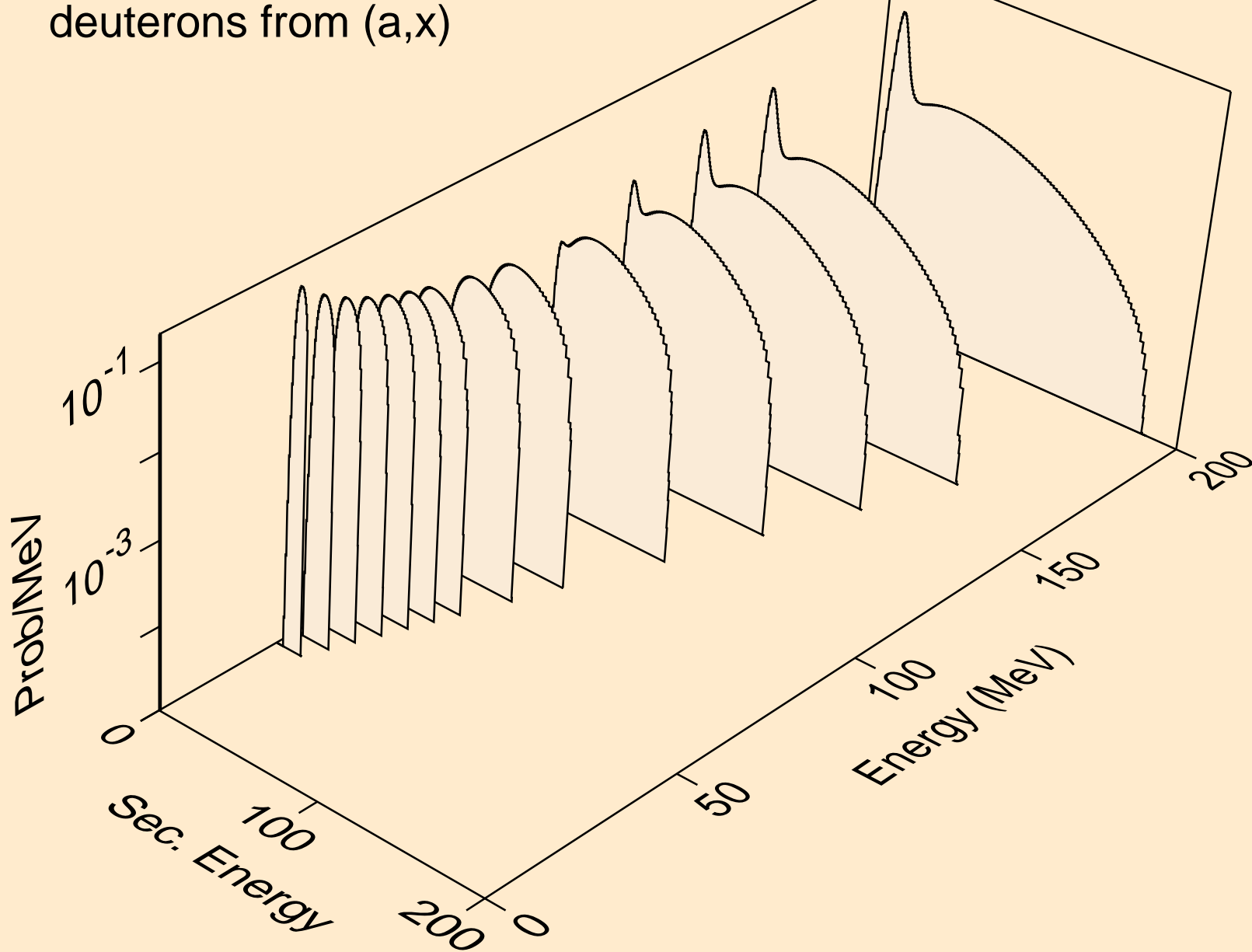


SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,p)

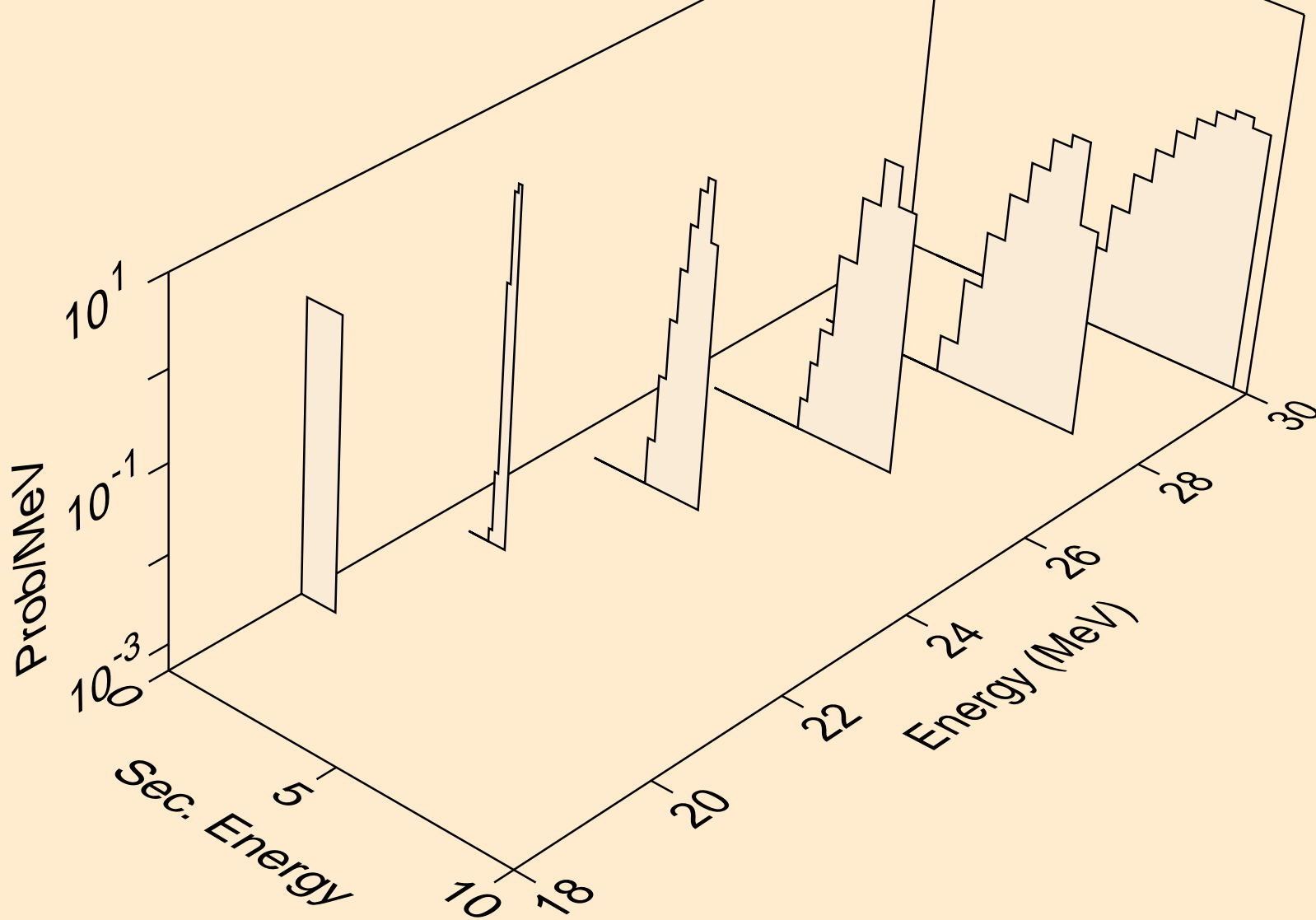




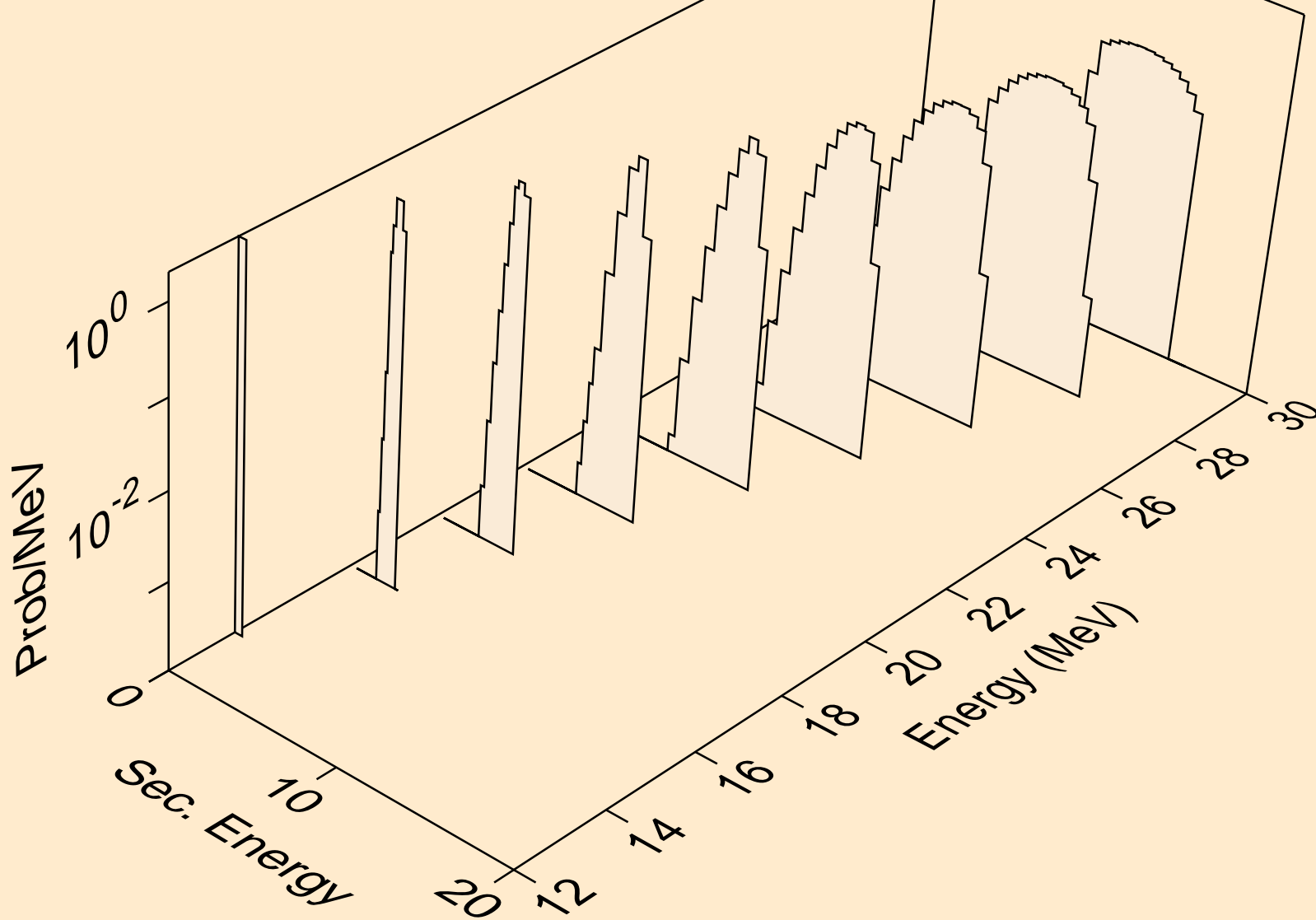
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deuterons from (a,x)



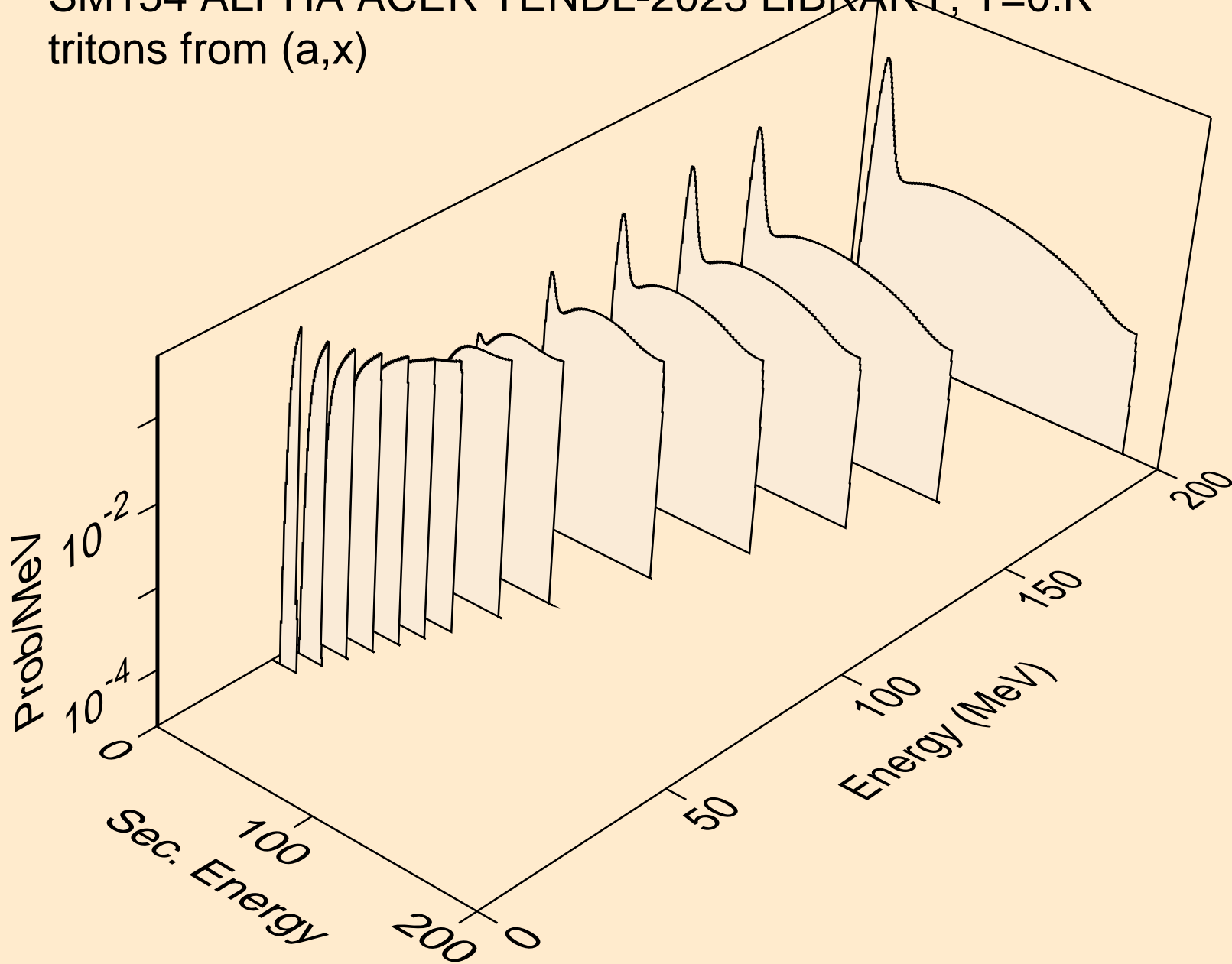
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,n\*)d



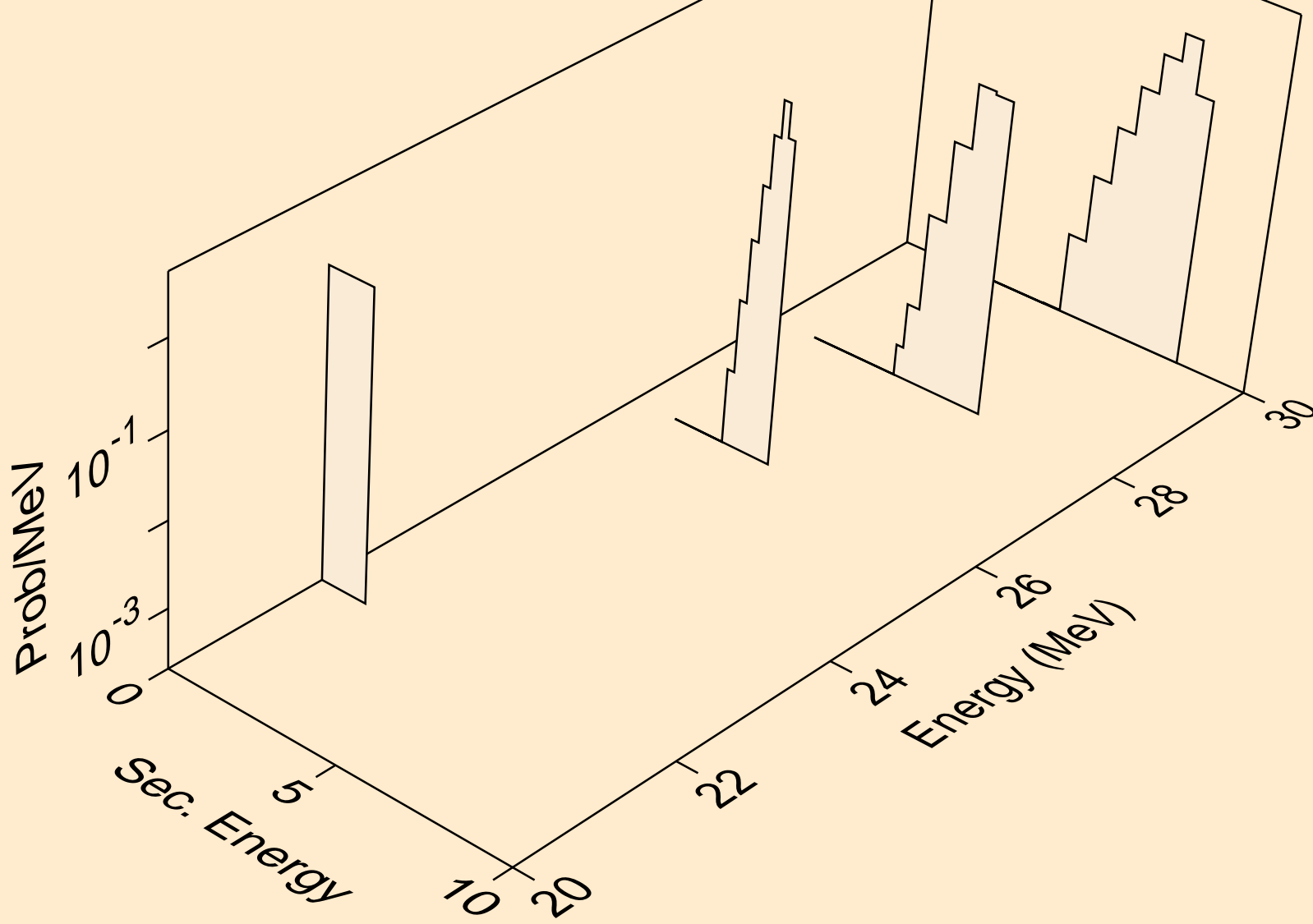
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,d)



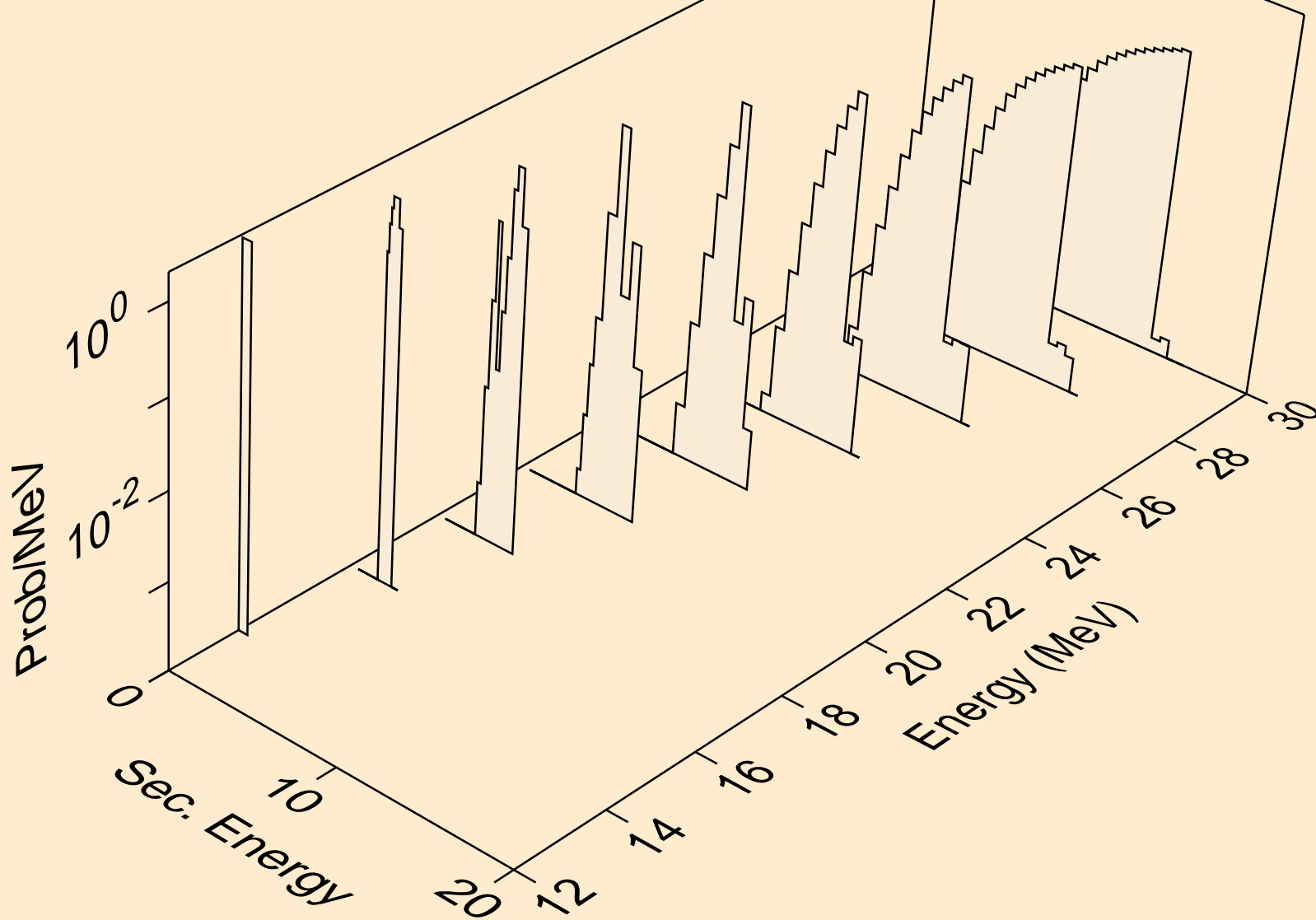
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,x)



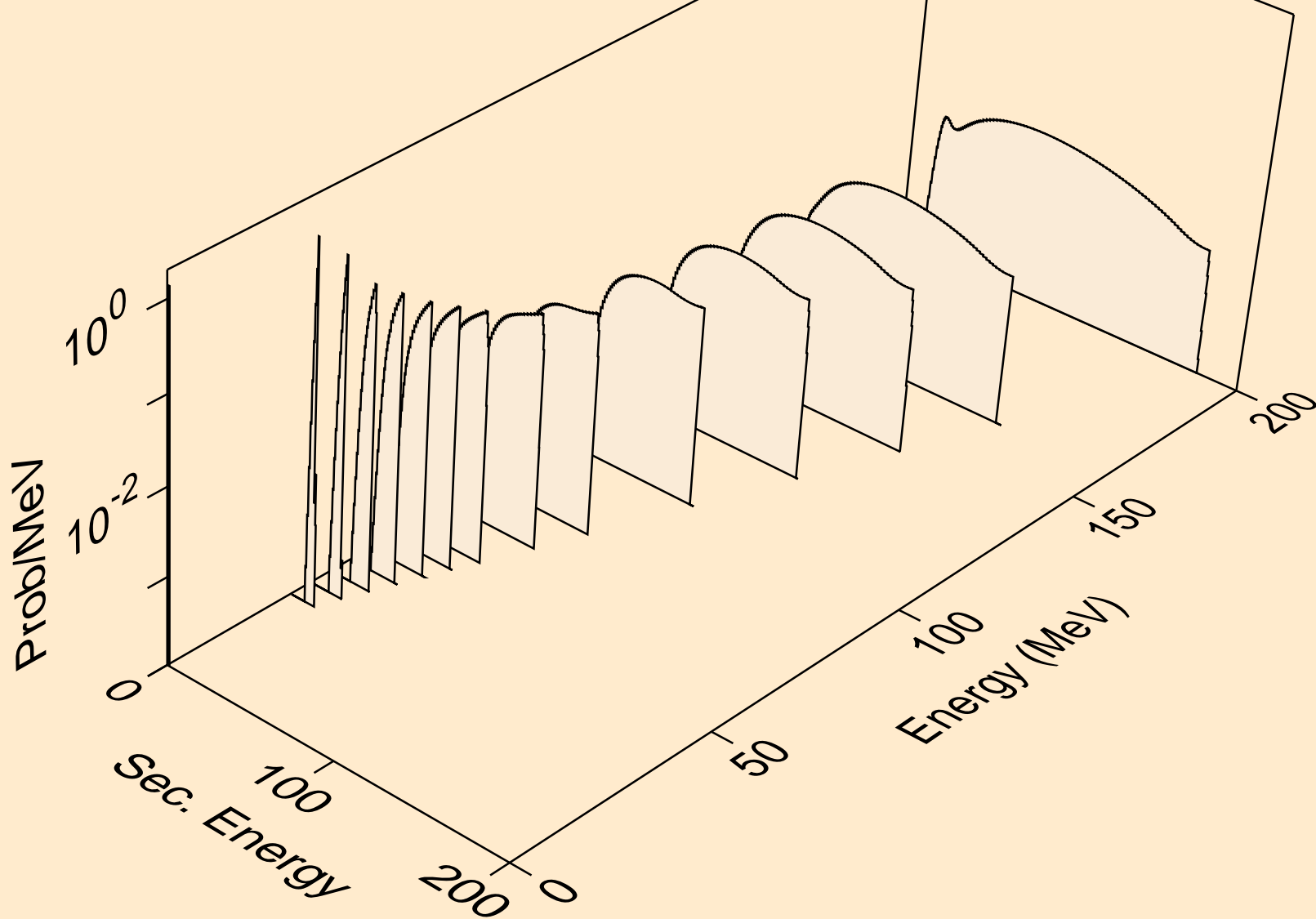
SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,n\*)t



SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,t)



SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,x)



SM154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,he3)

