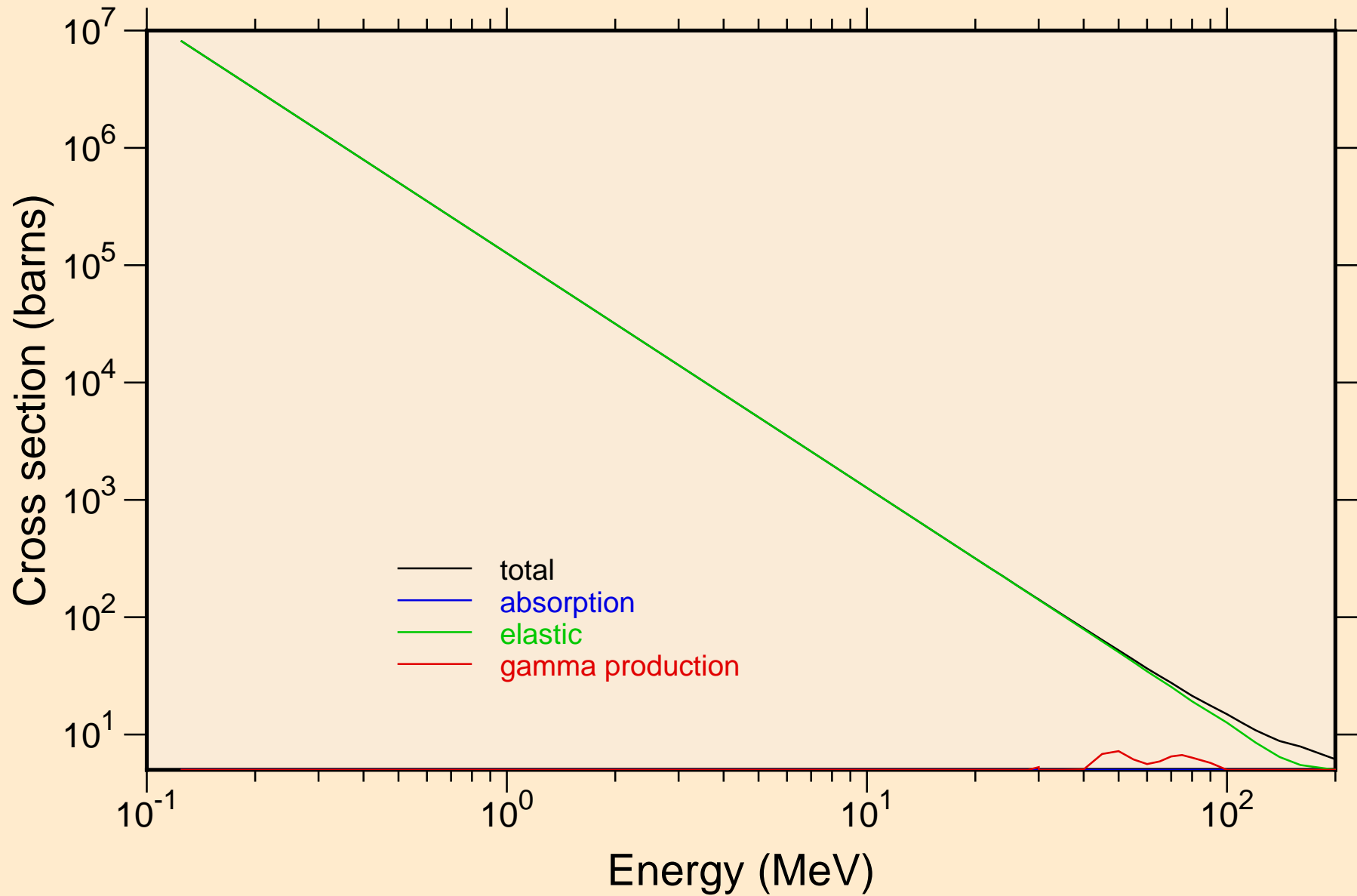


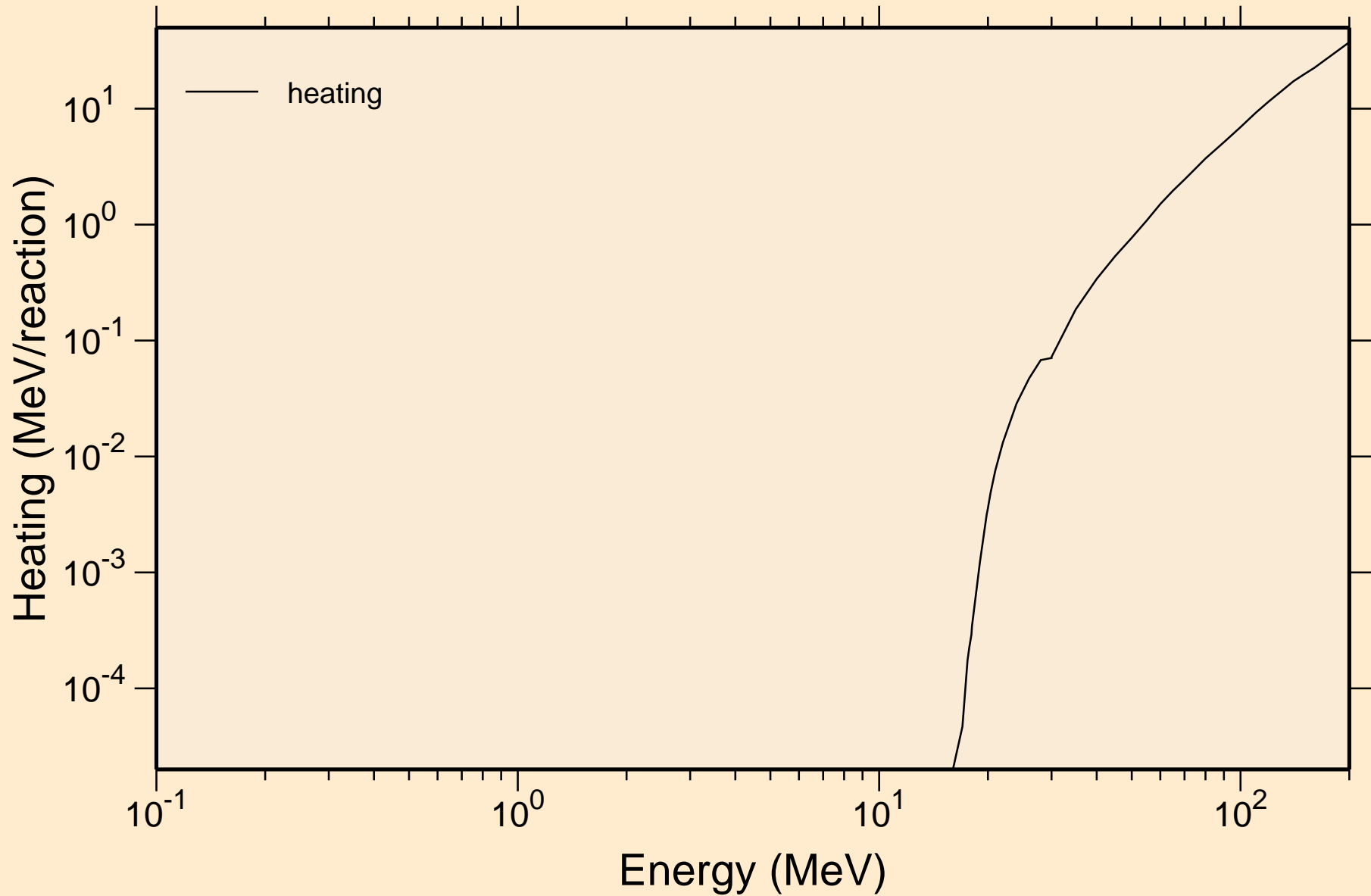
# YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



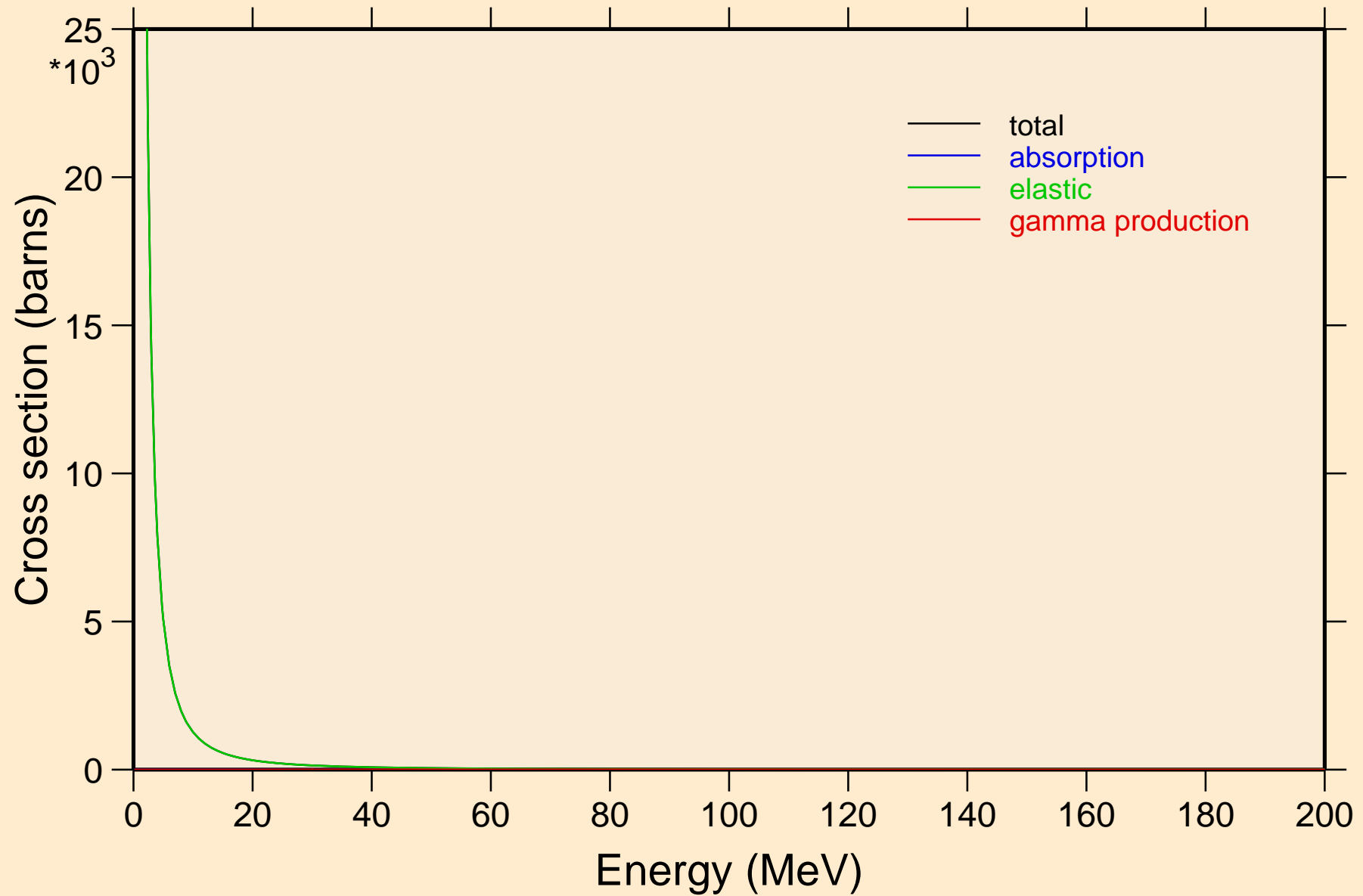
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Heating



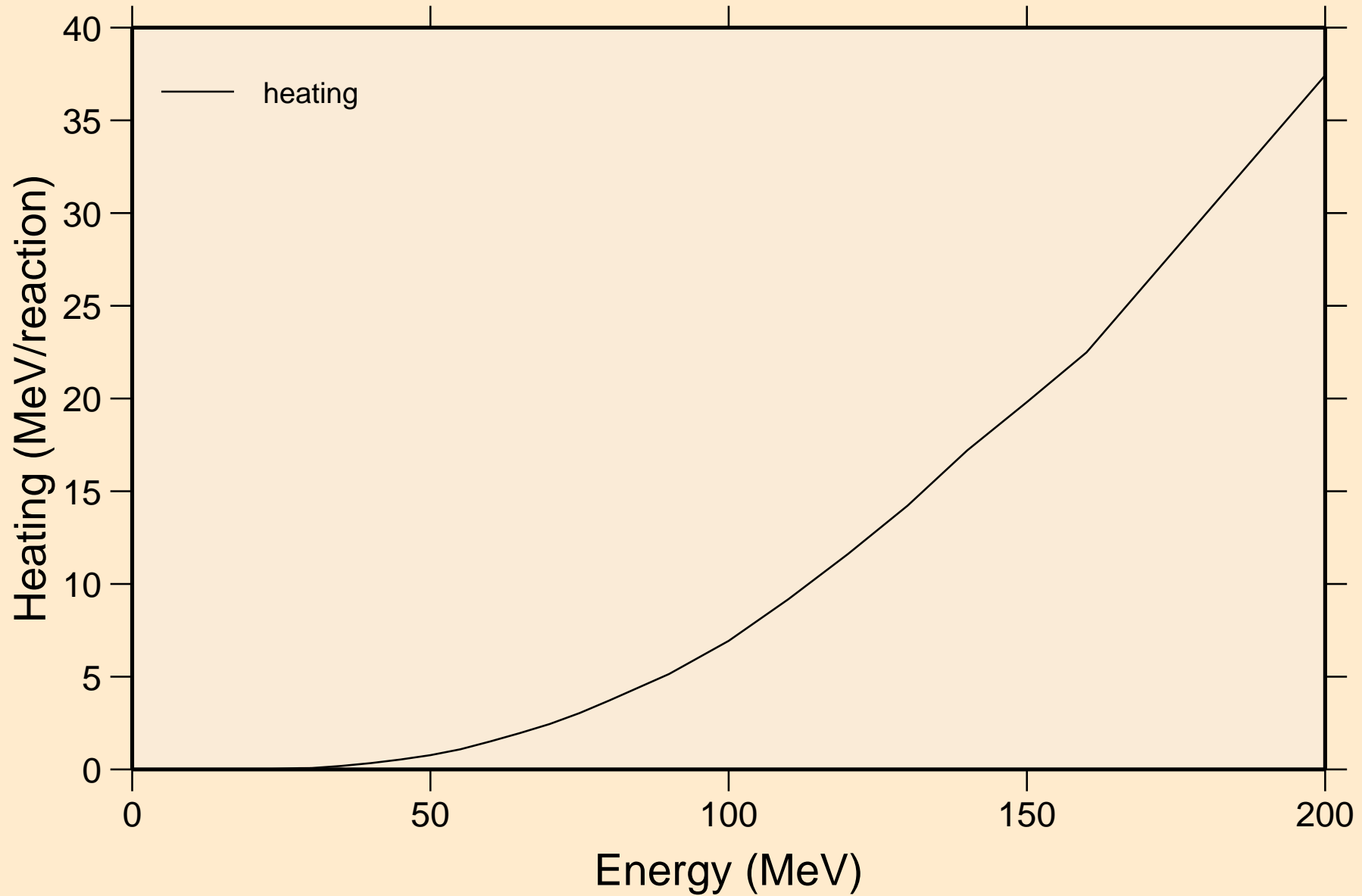
# YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections

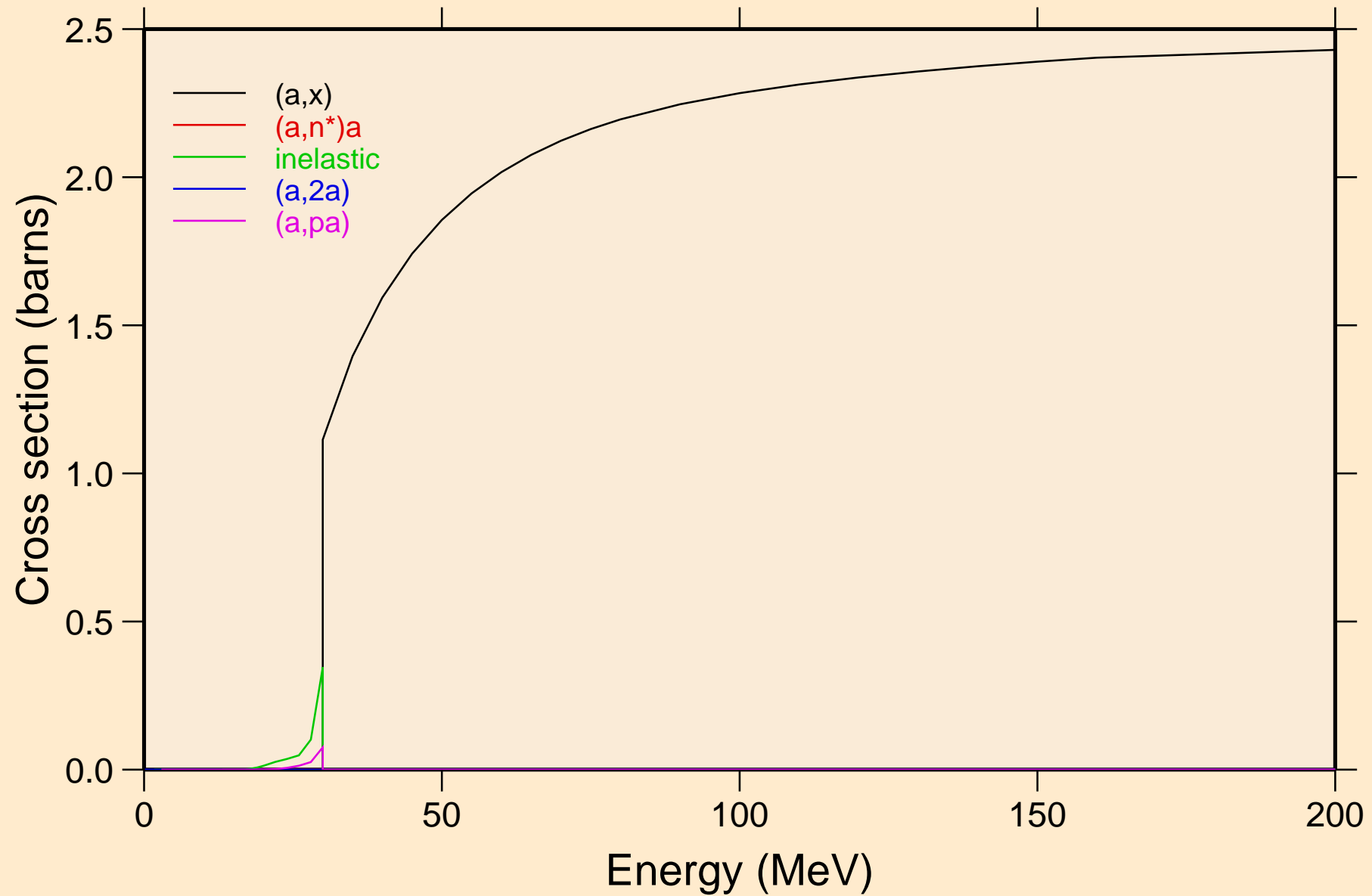


YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

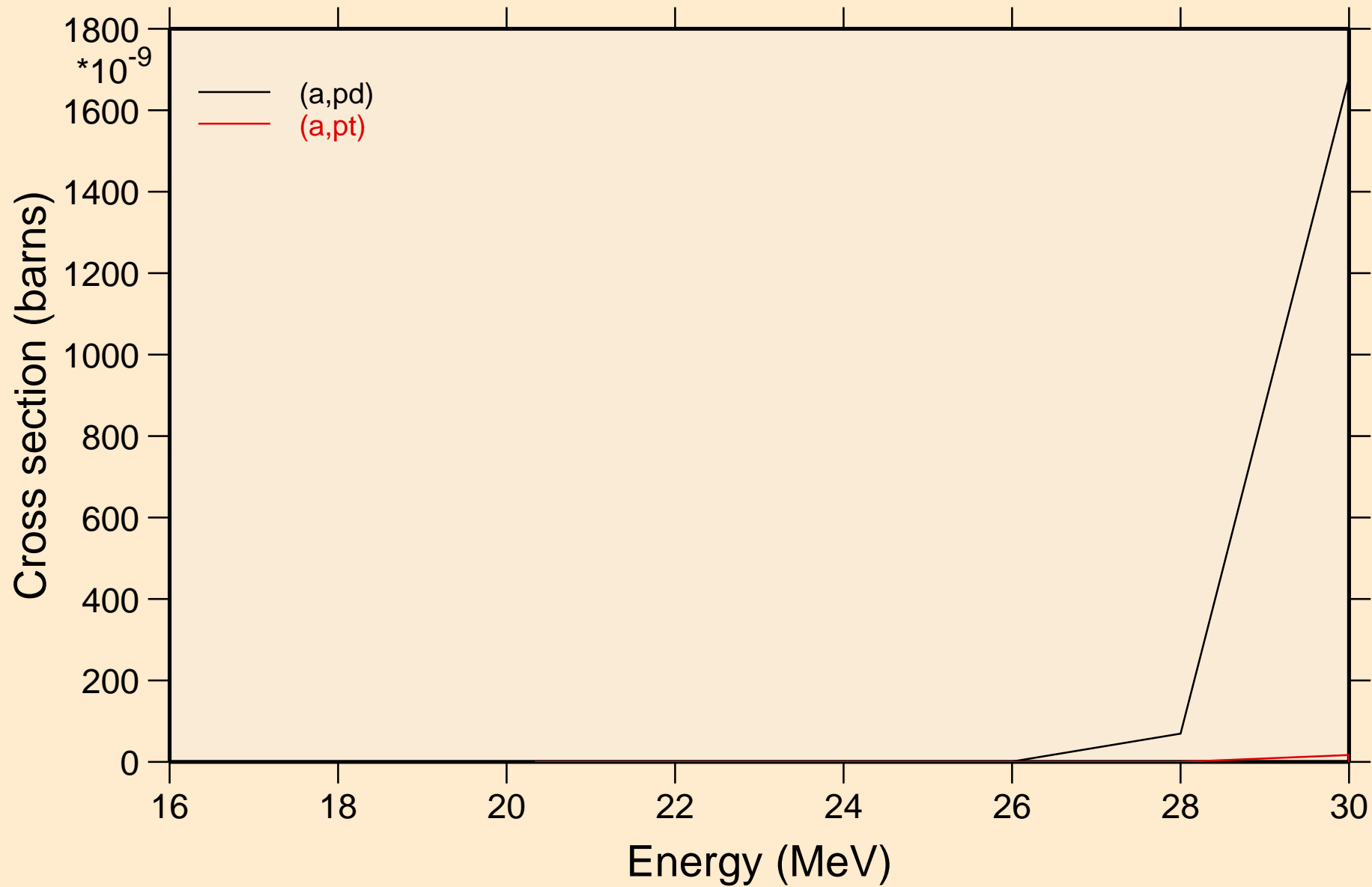
Heating



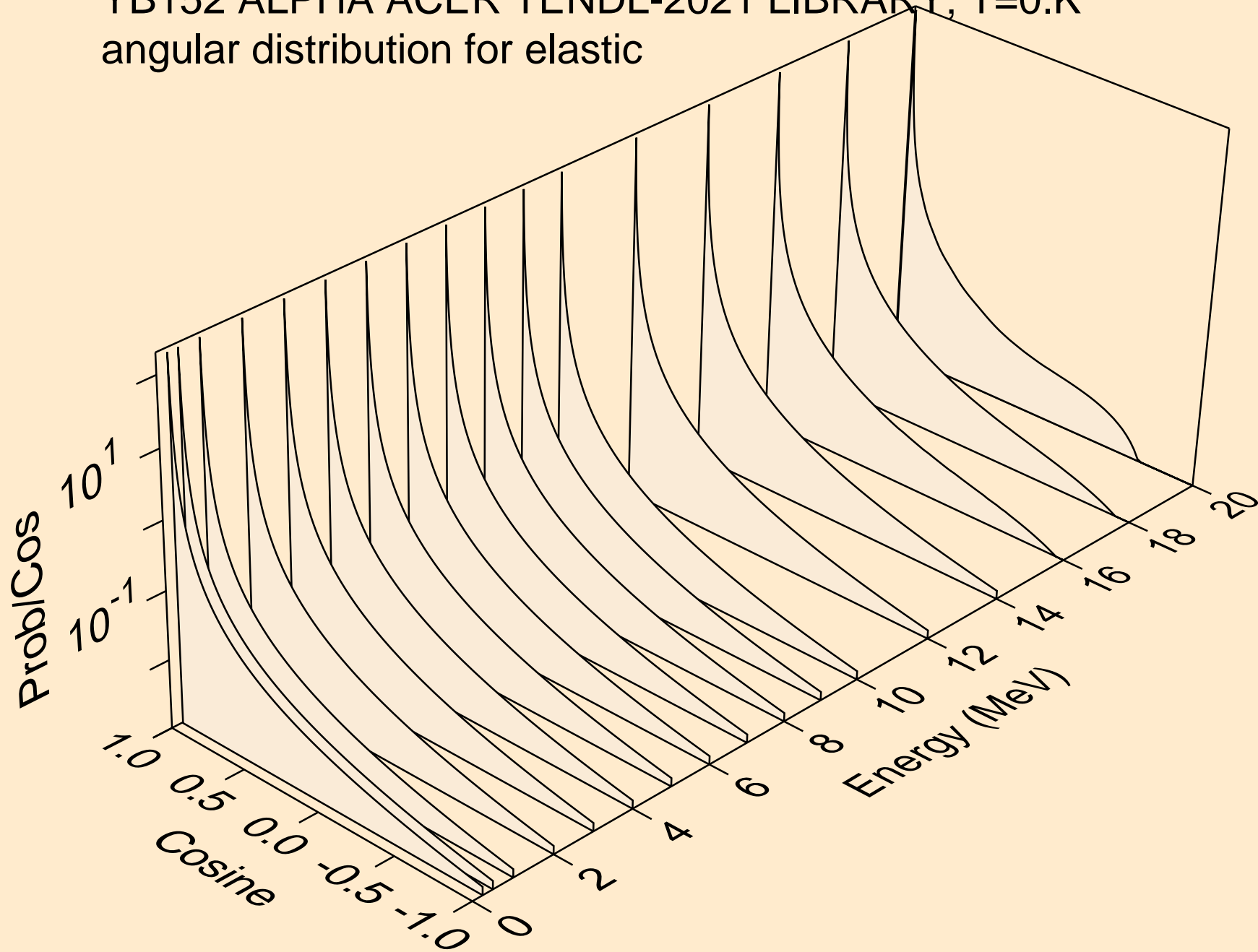
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



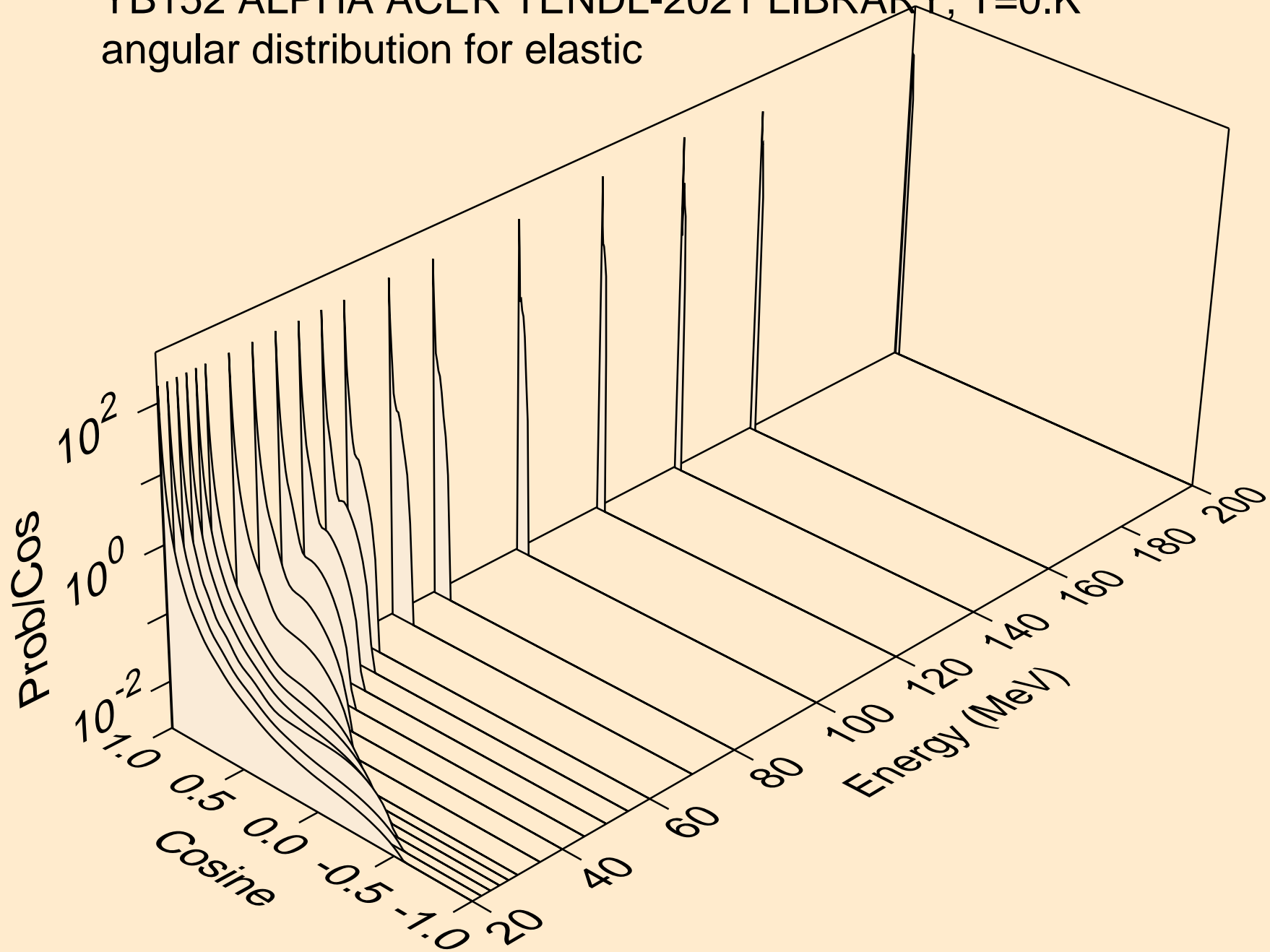
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



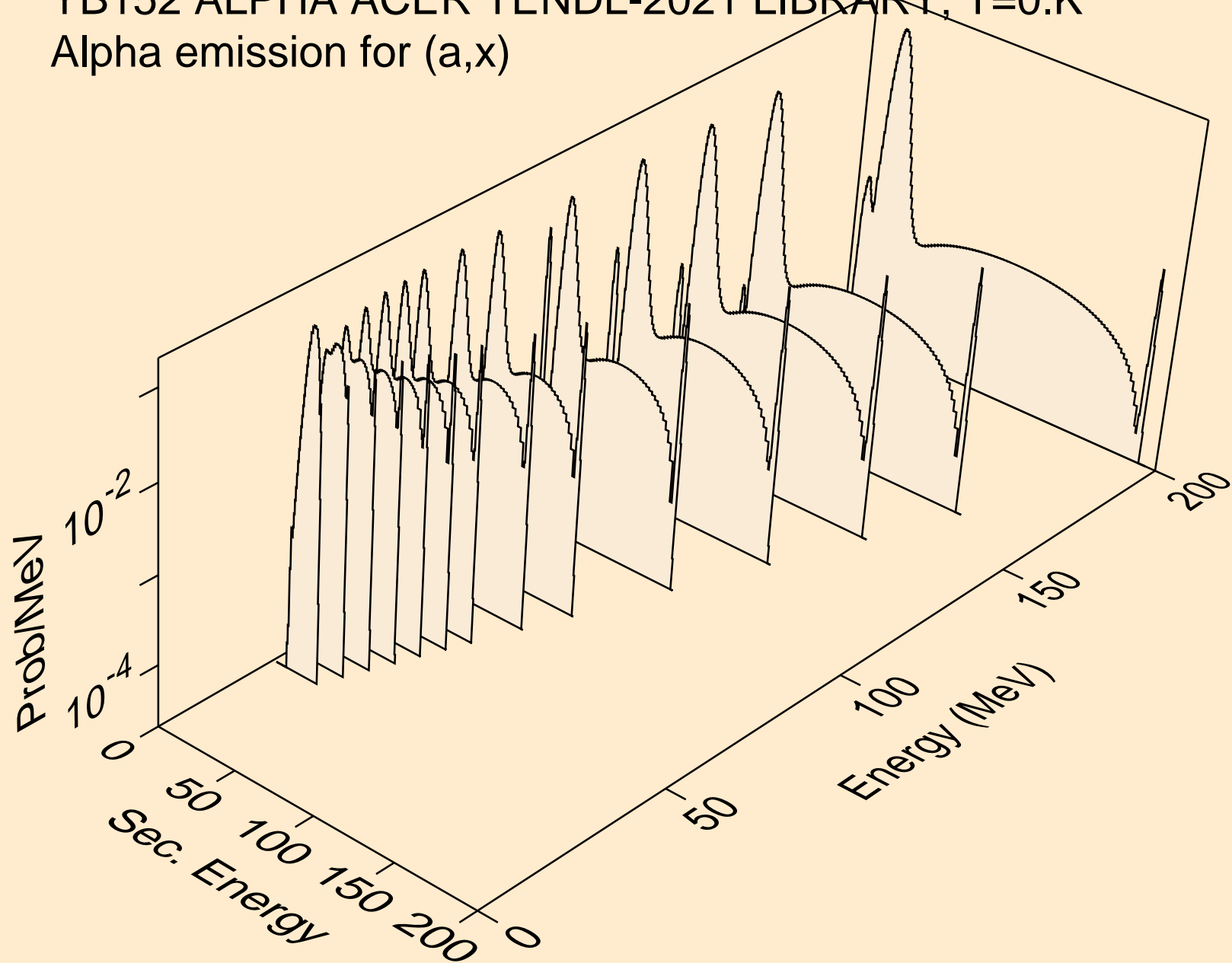
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic





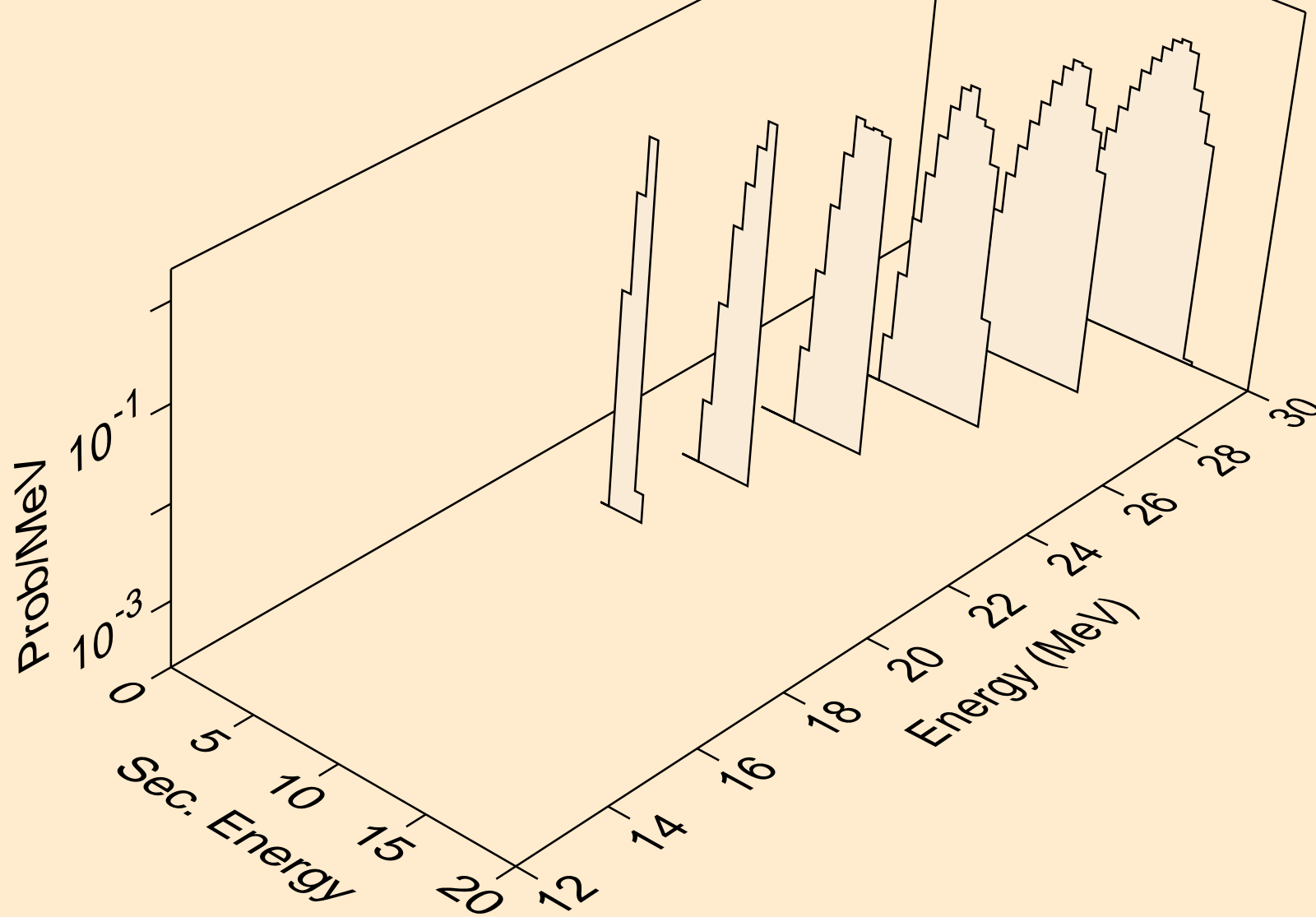
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Alpha emission for (a,x)

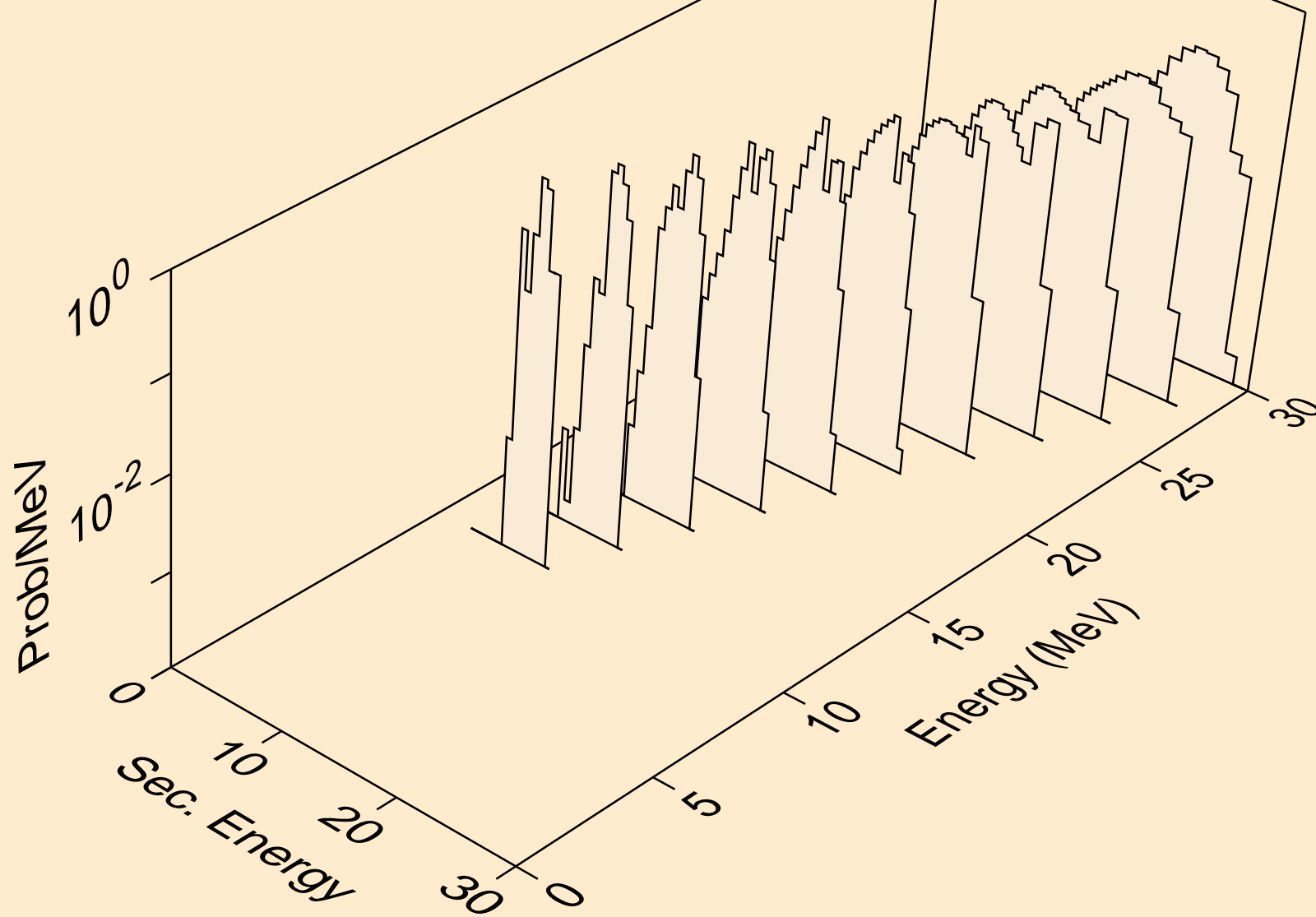


YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

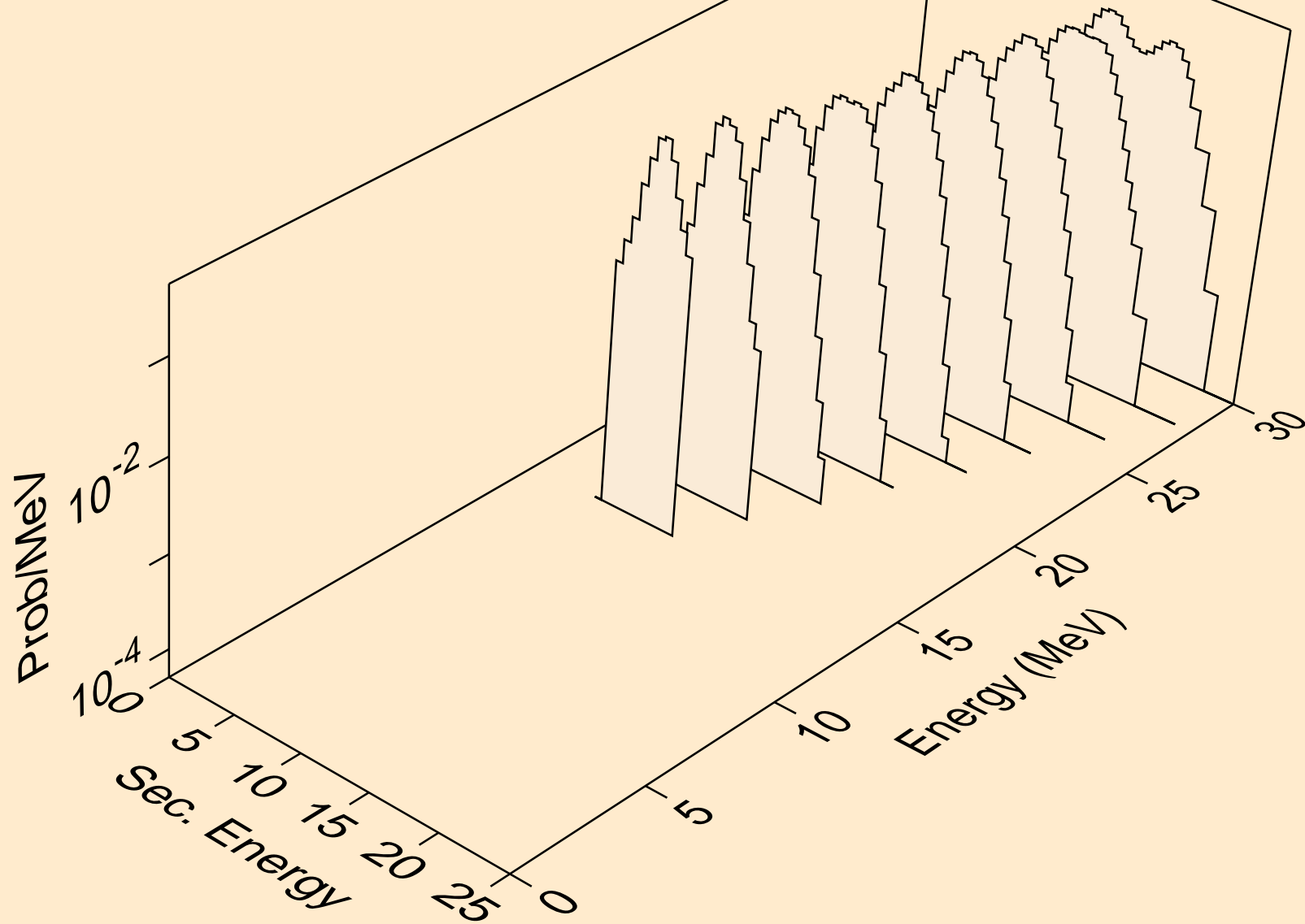
Alpha emission for (a,n\*)a



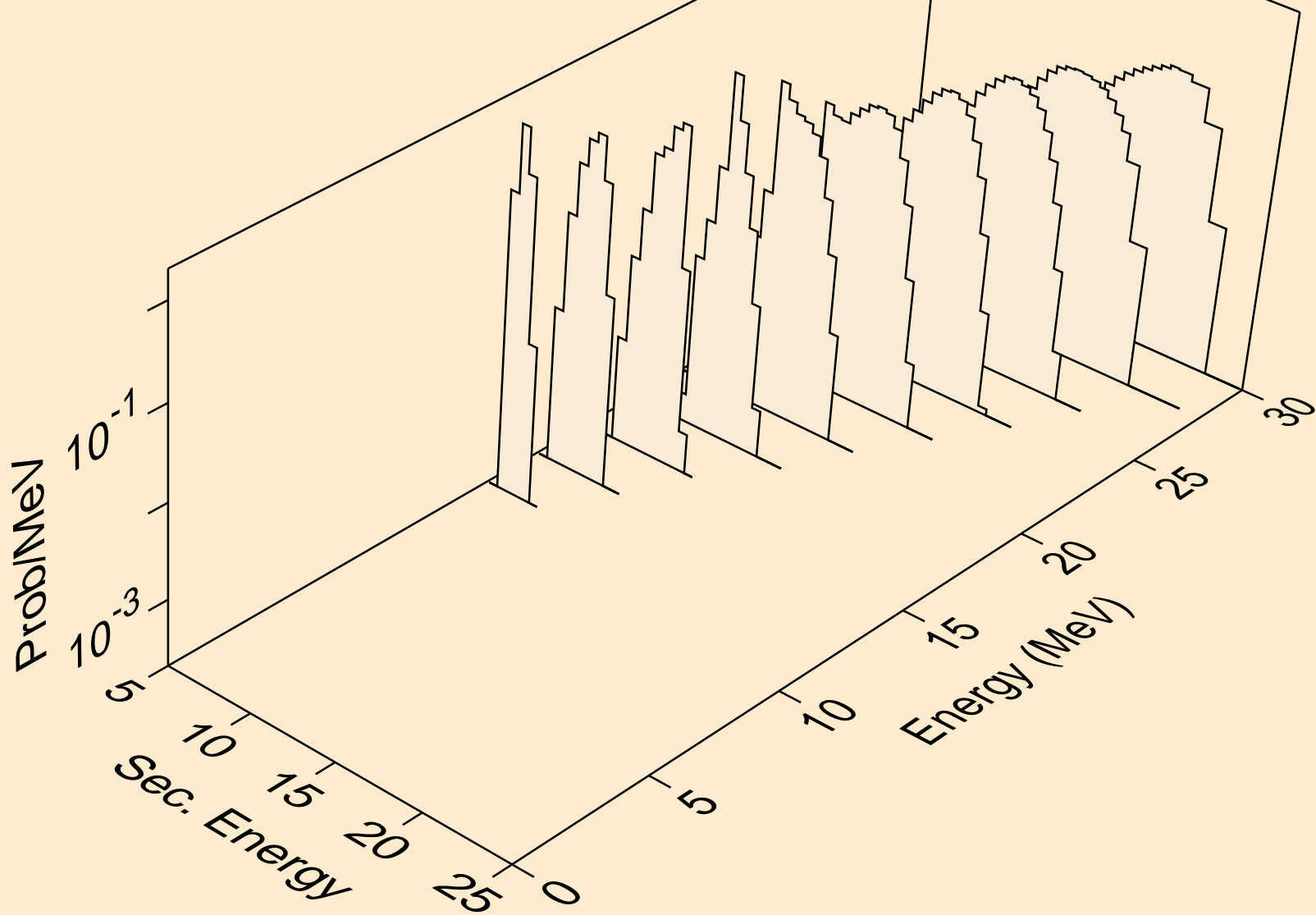
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for inelastic



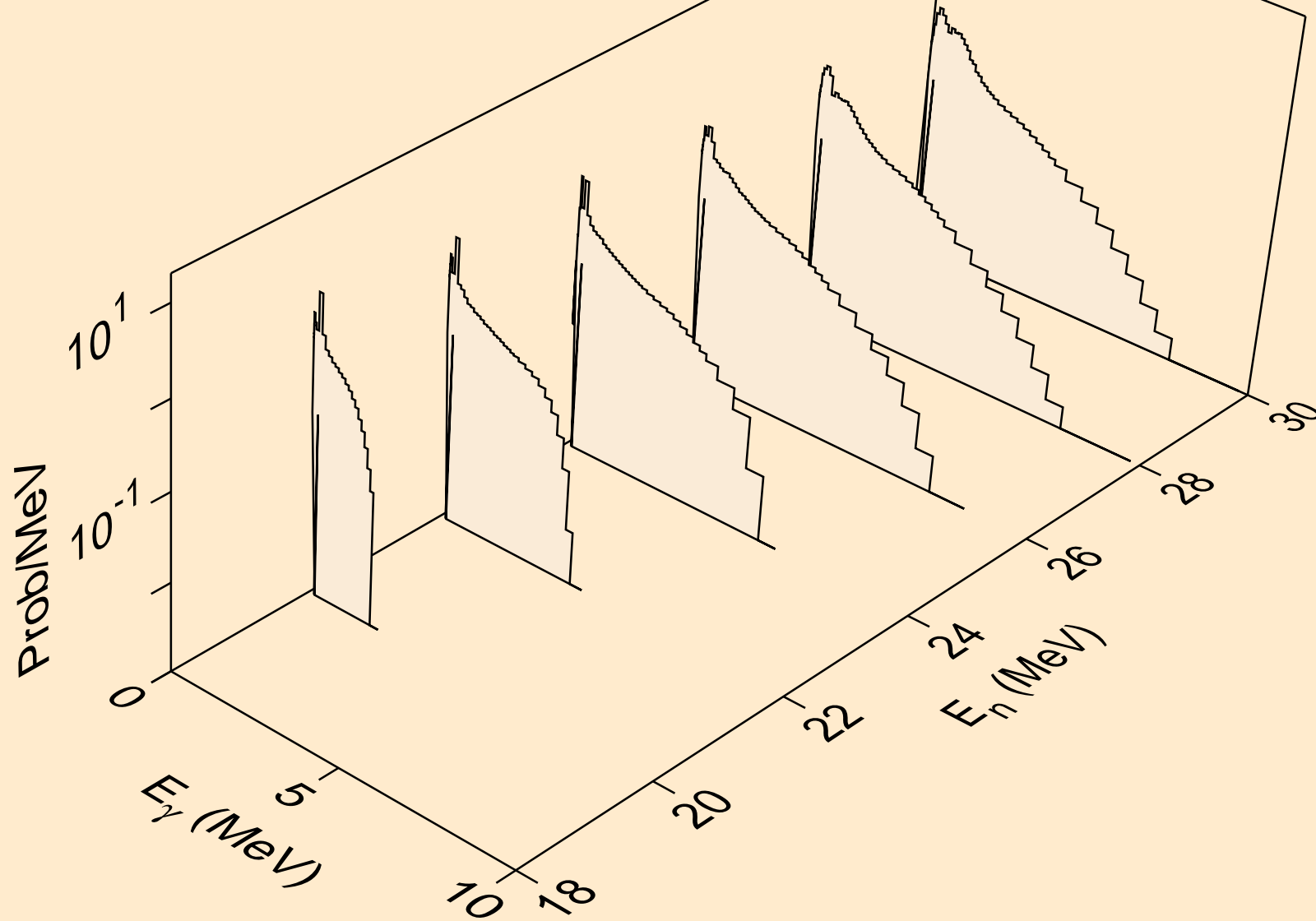
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,2a)



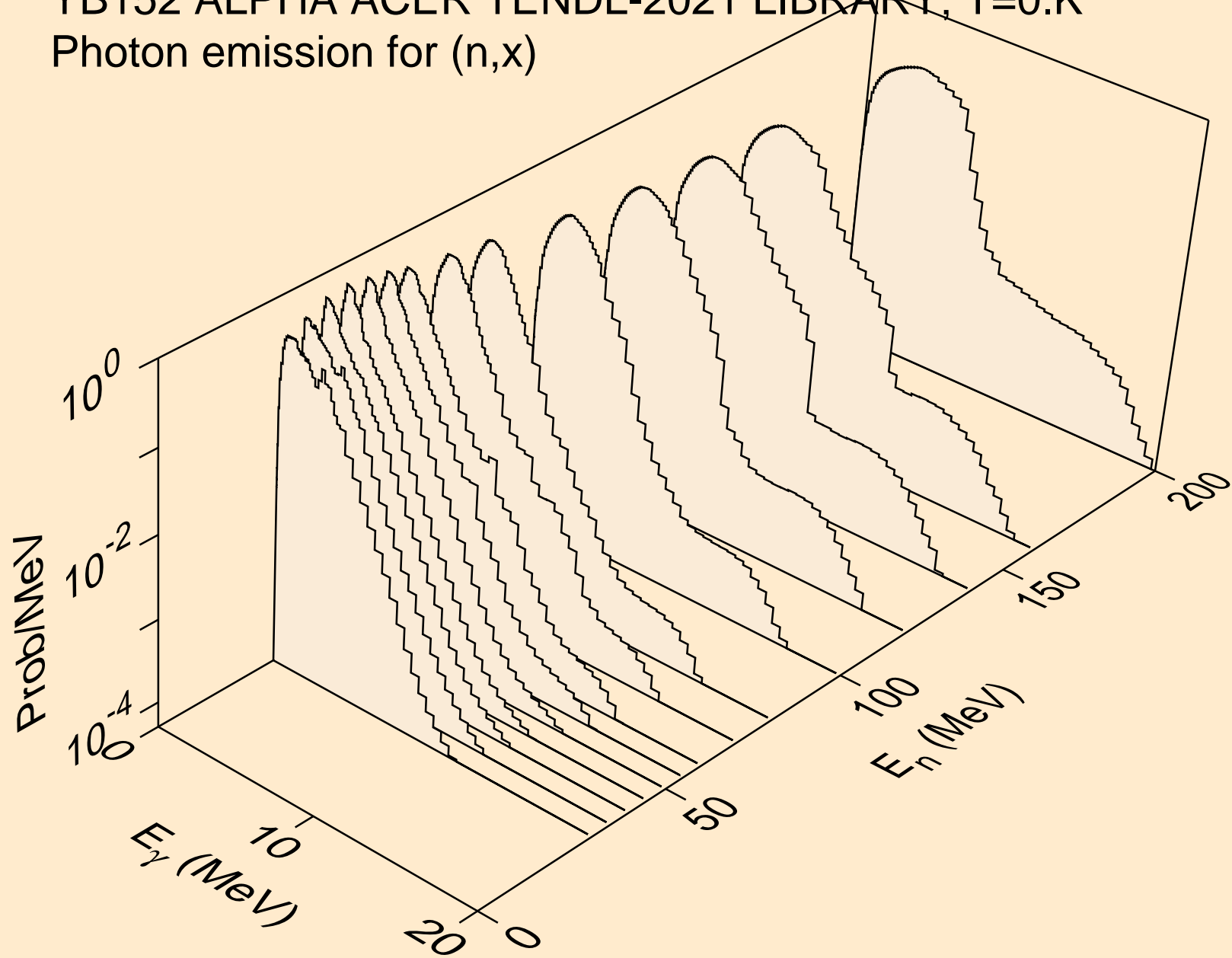
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,pa)



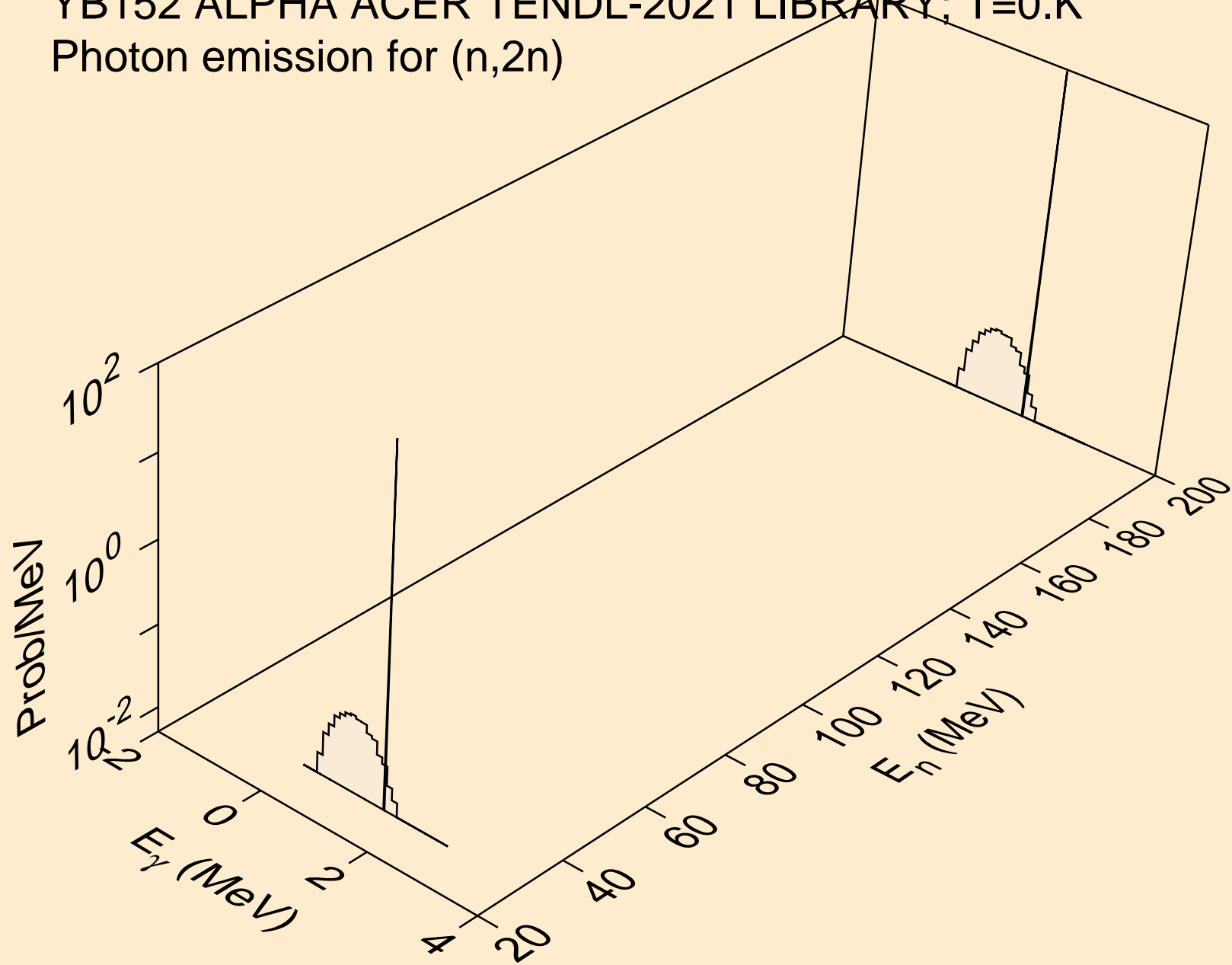
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)

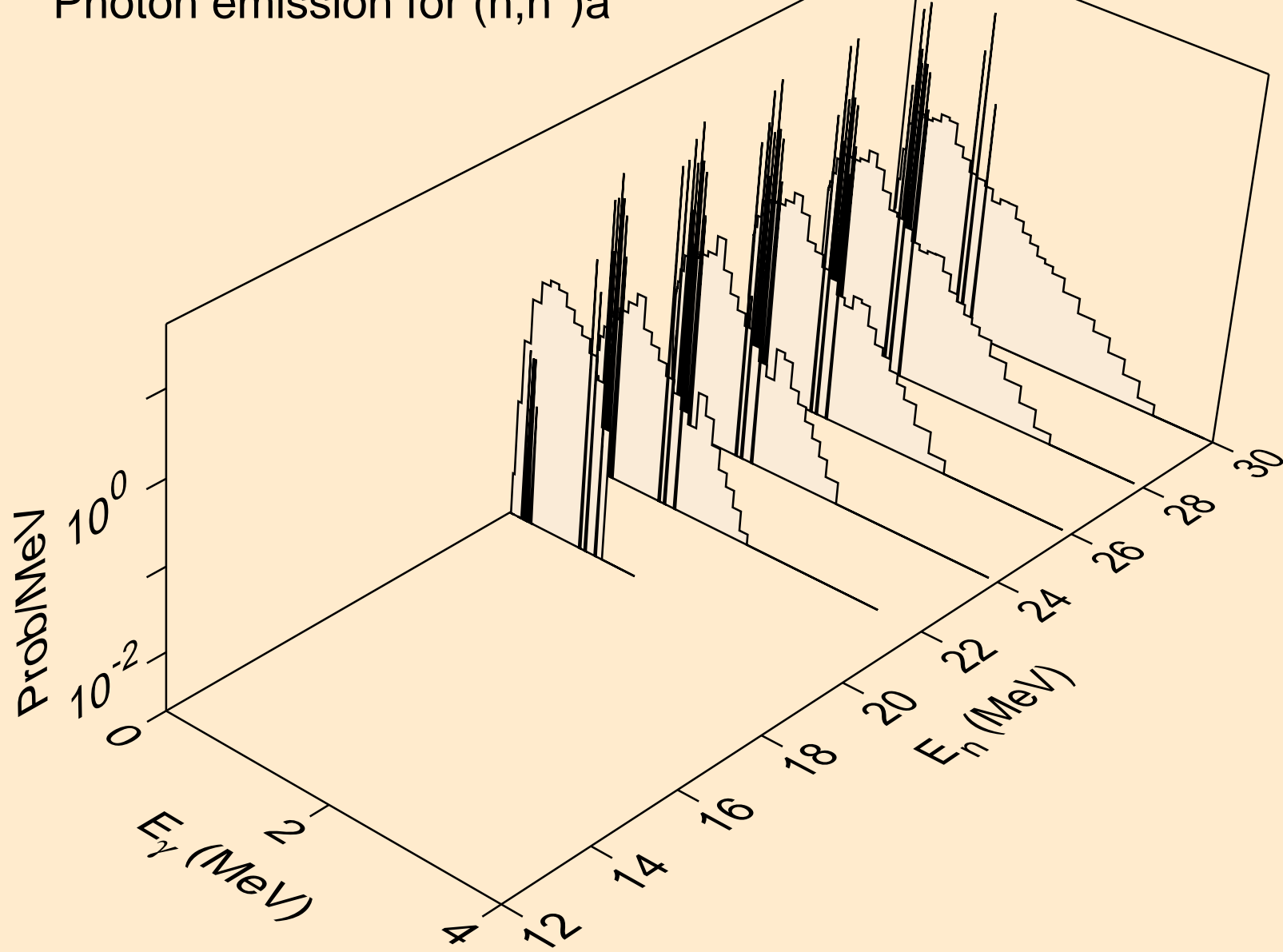


YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)

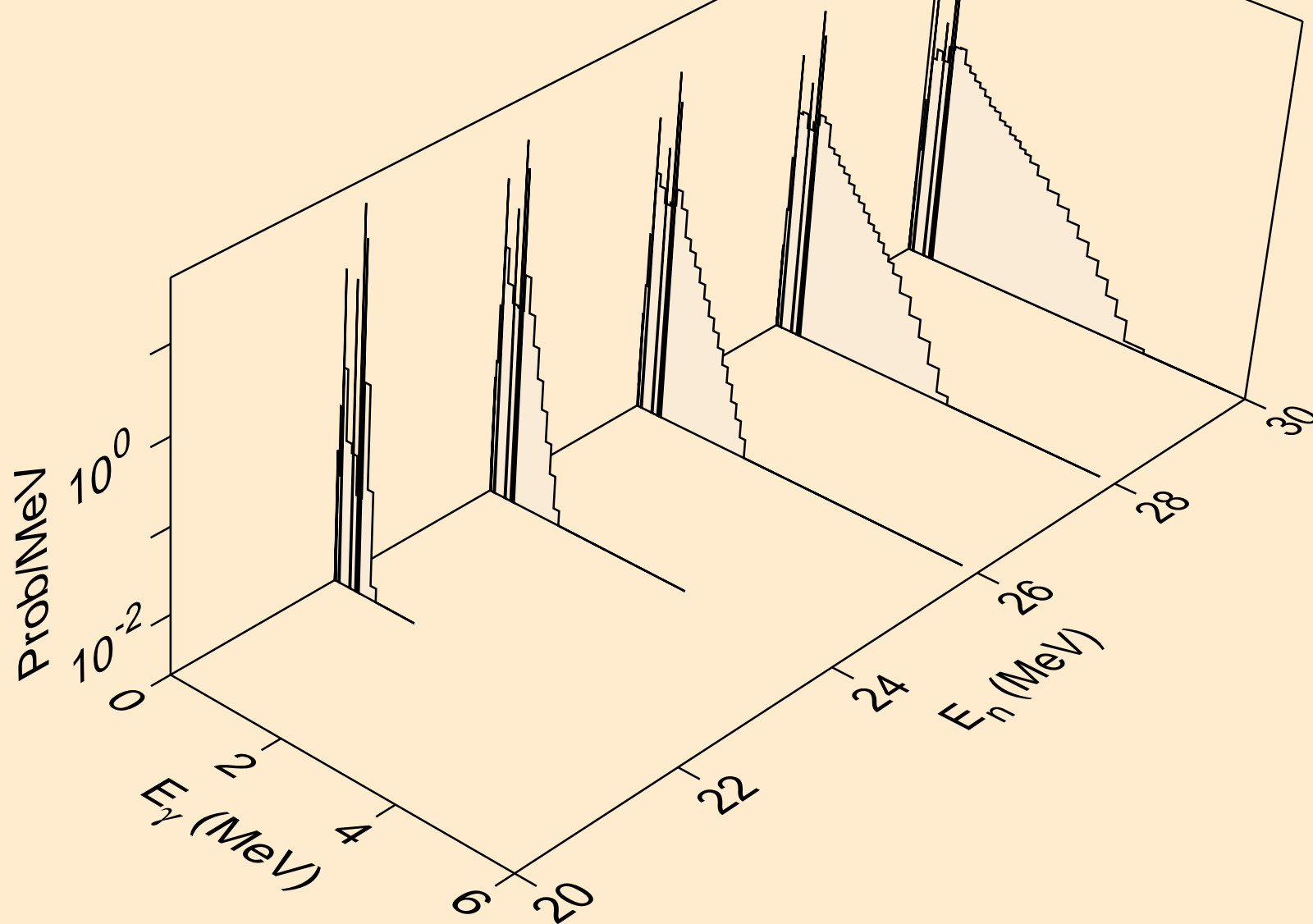




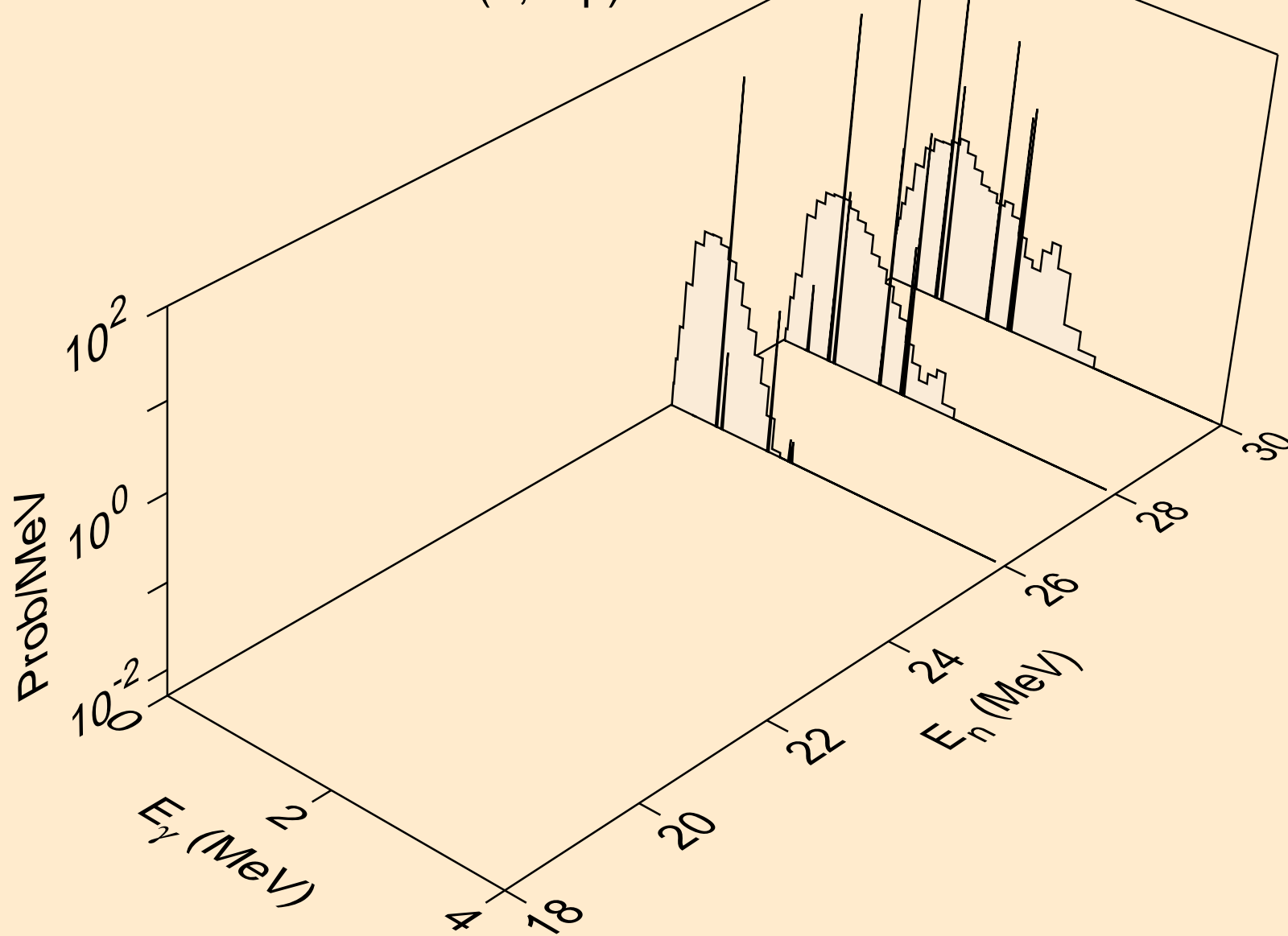
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



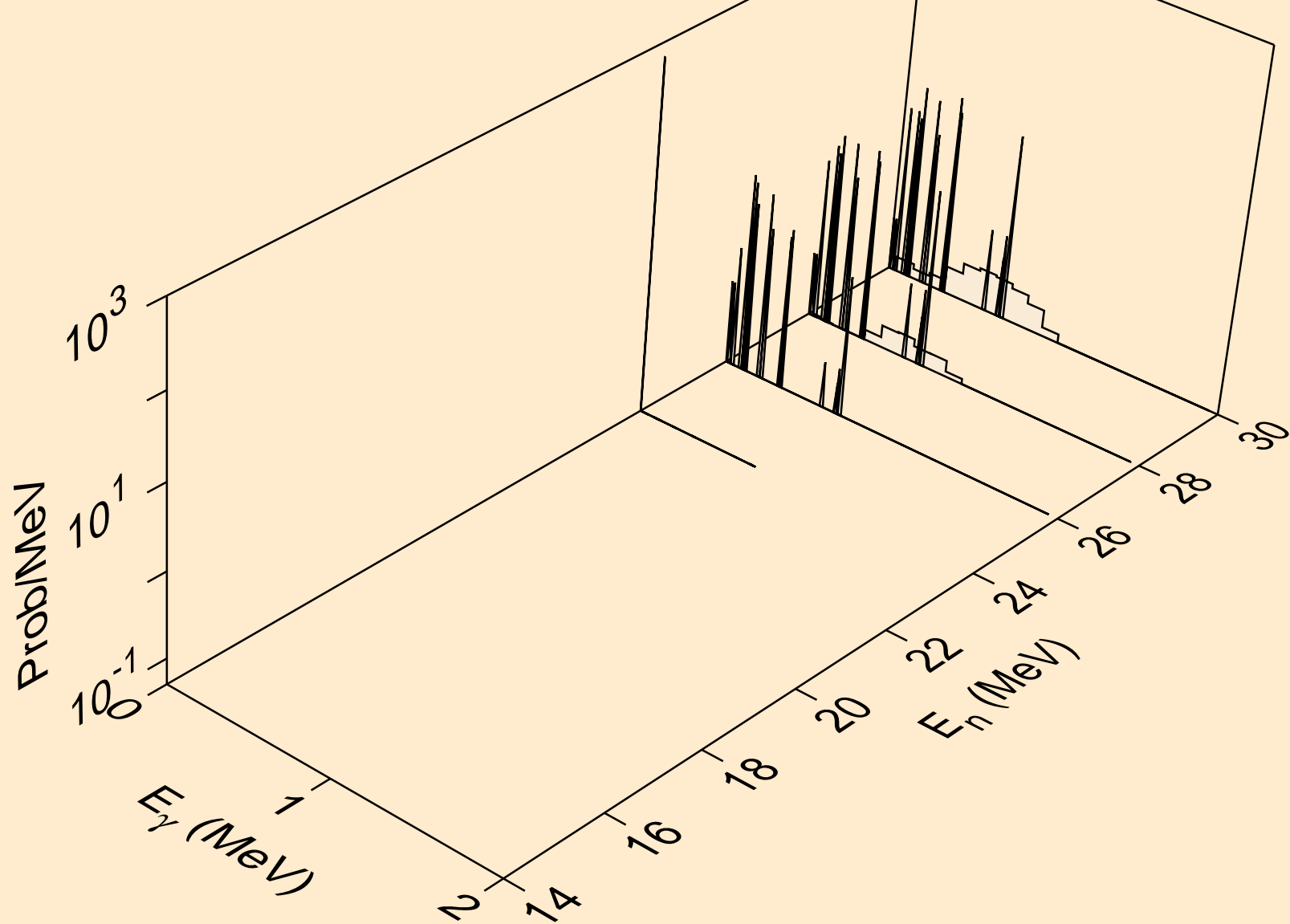
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



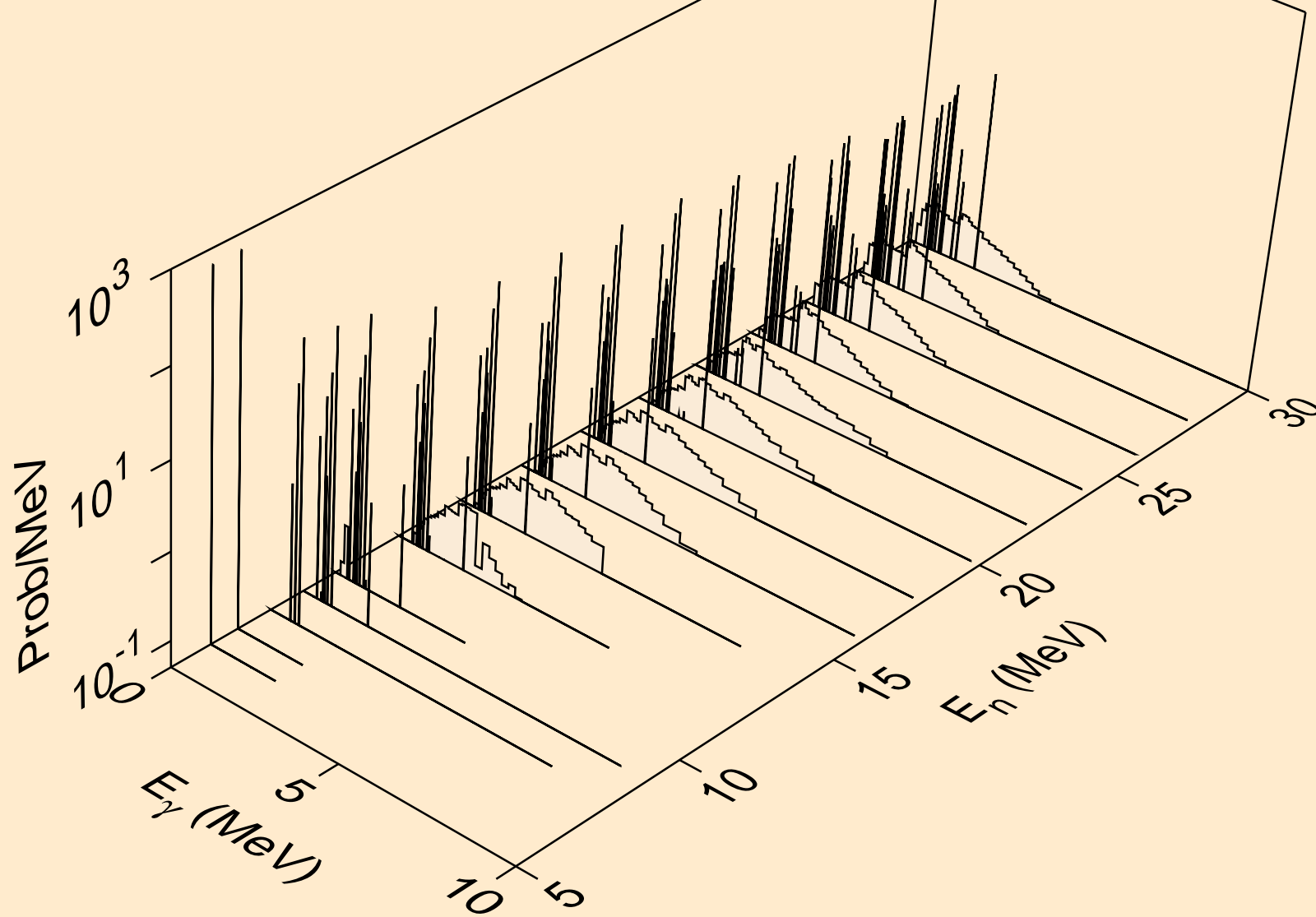
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



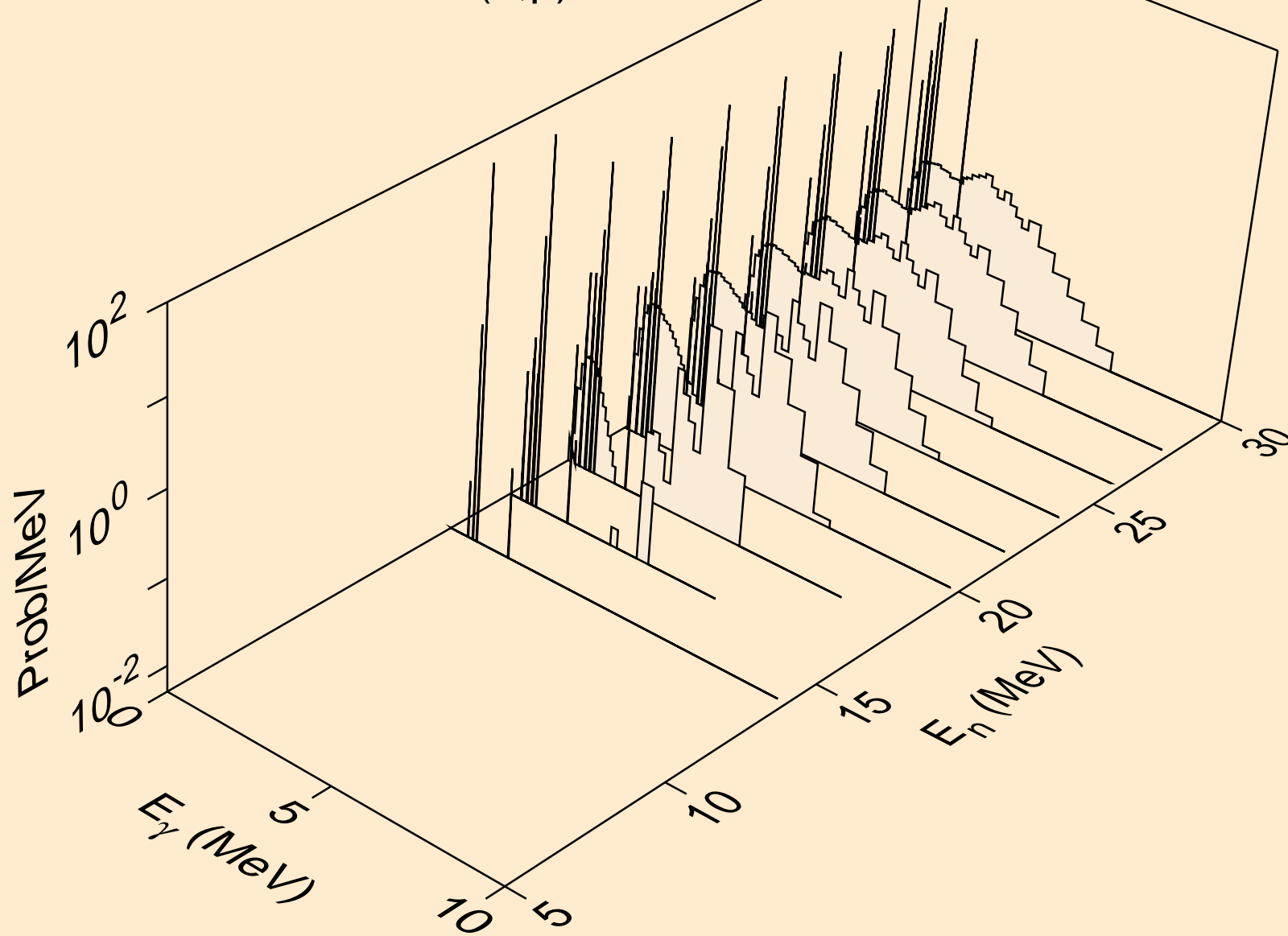
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,npa)



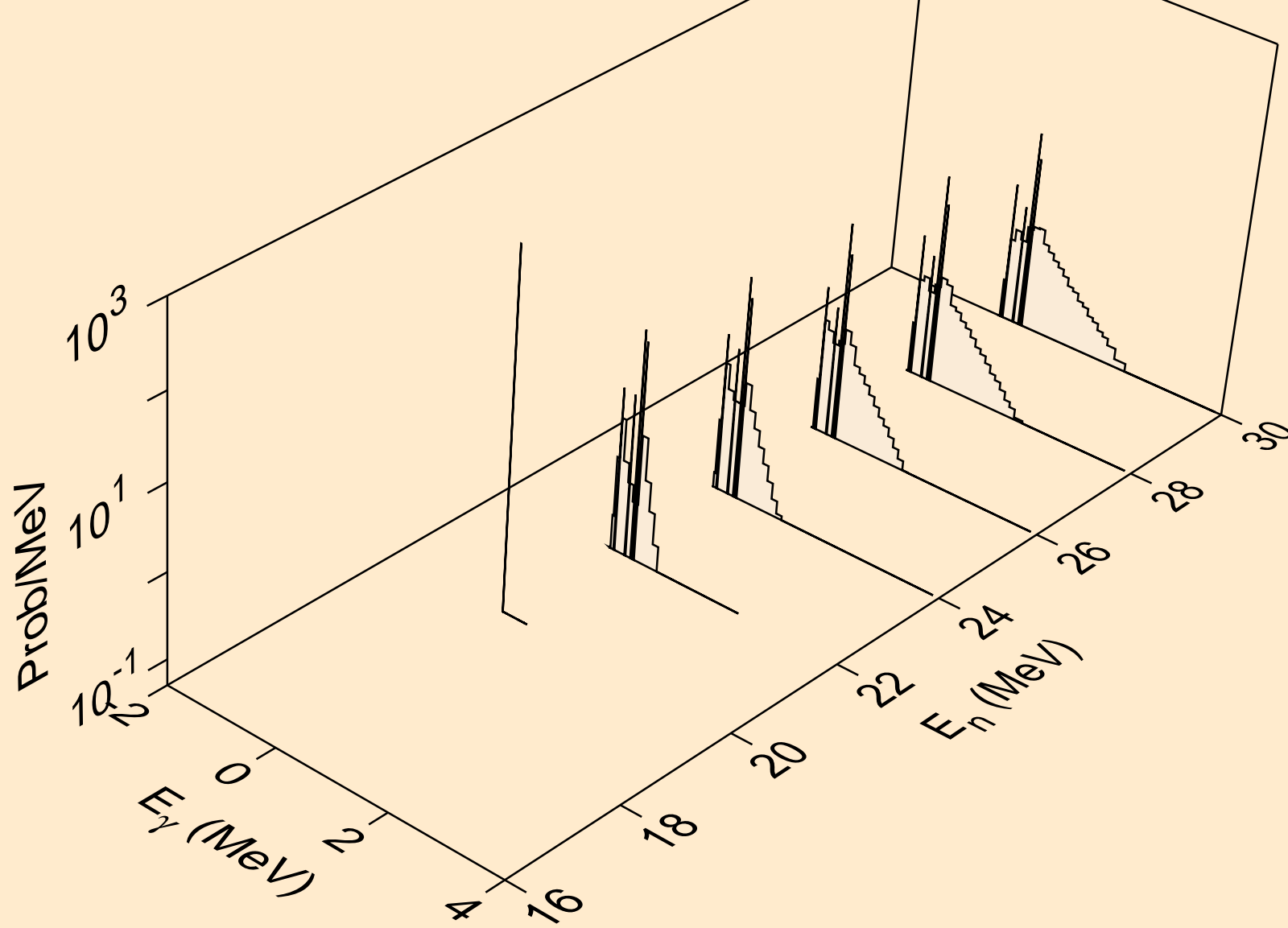
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,gma)



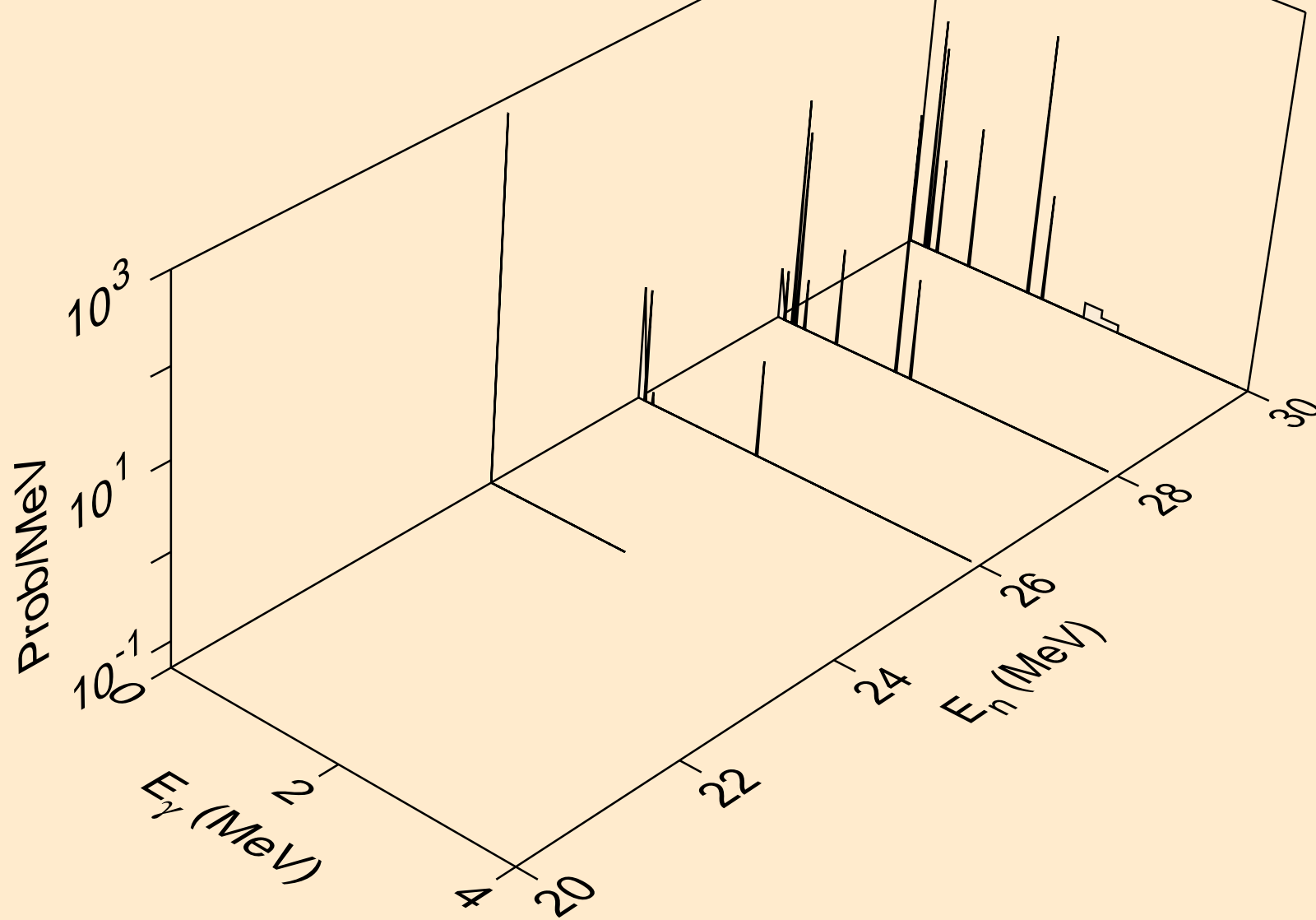
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,p)



YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,d)

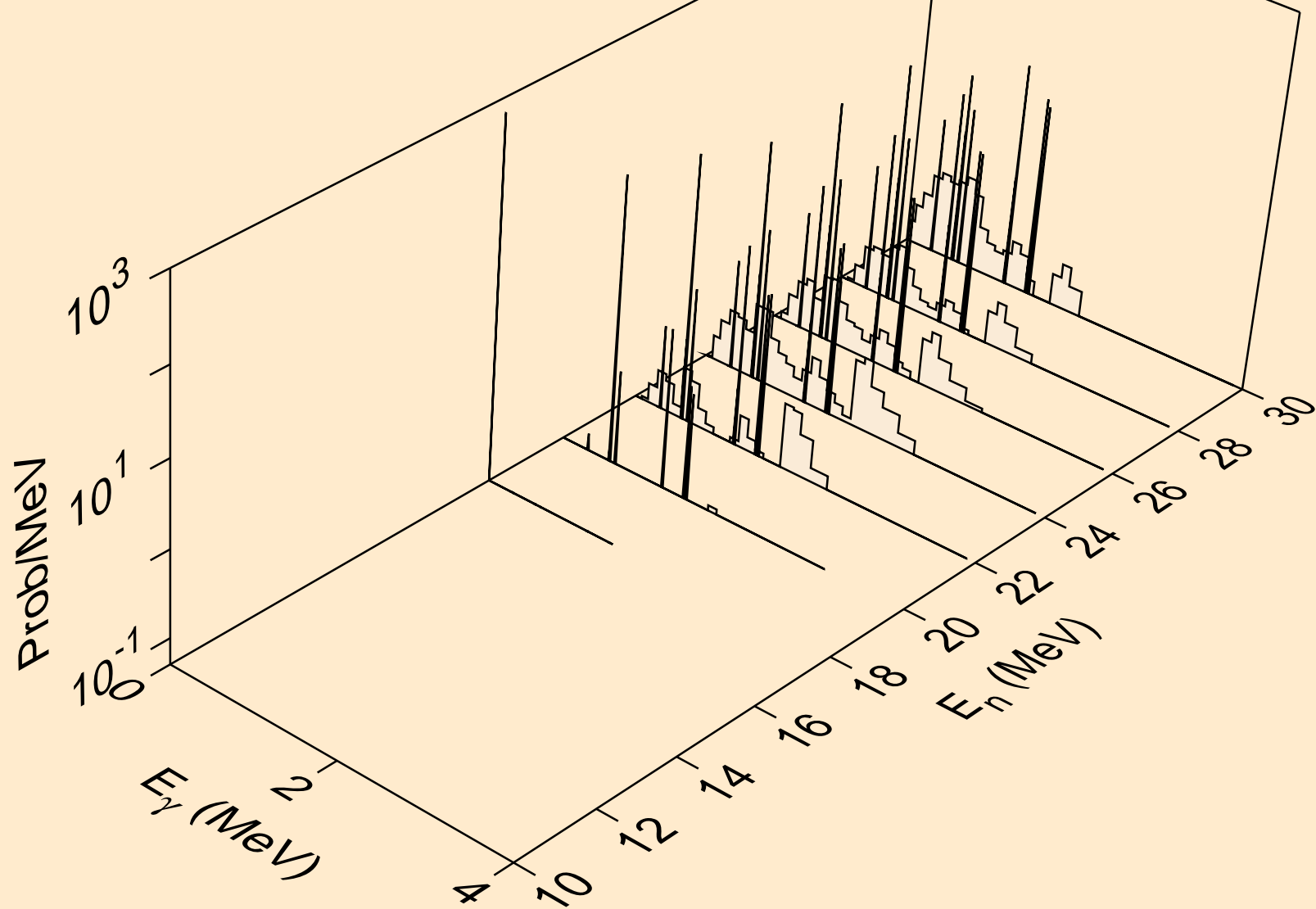


YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,t)

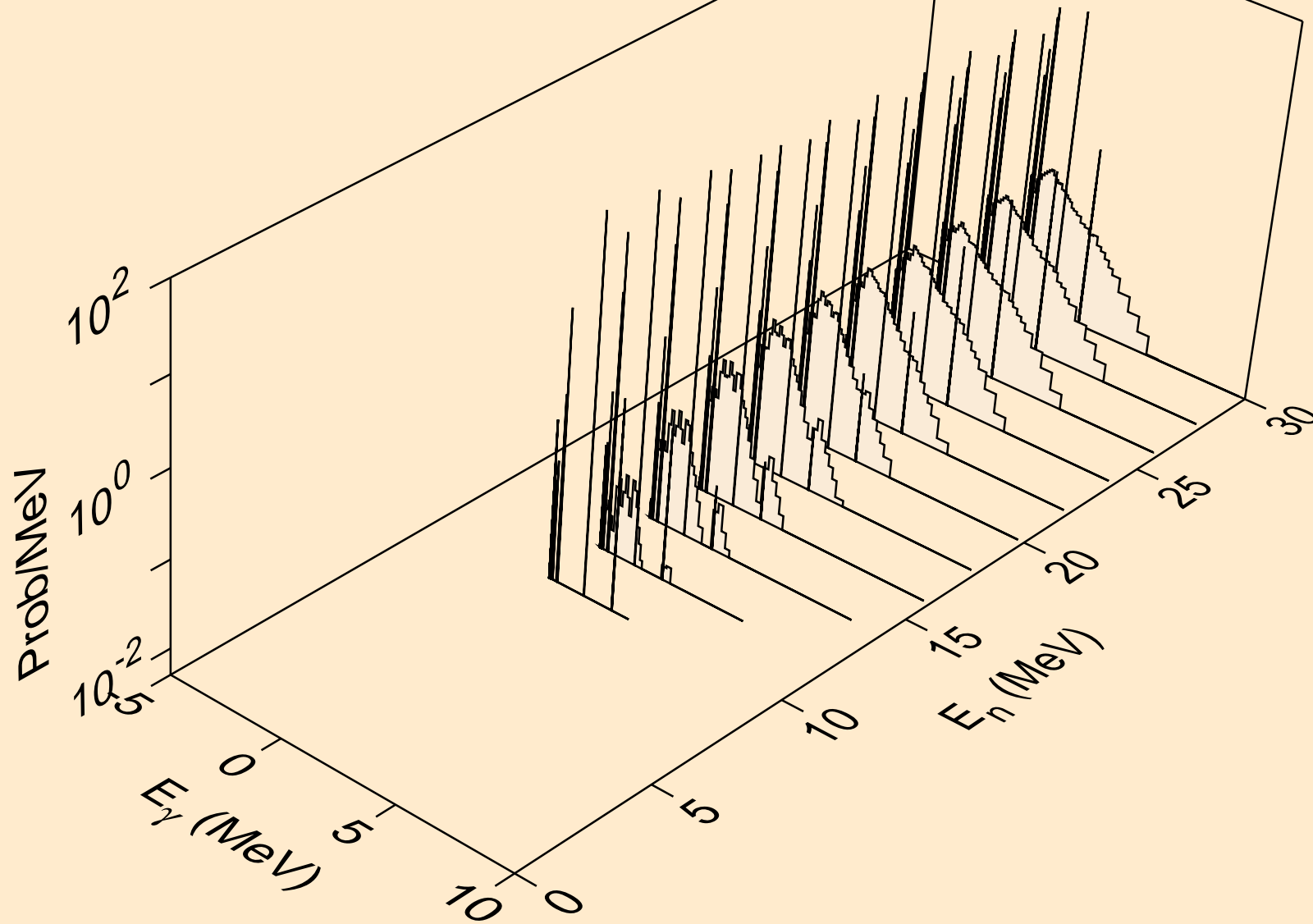




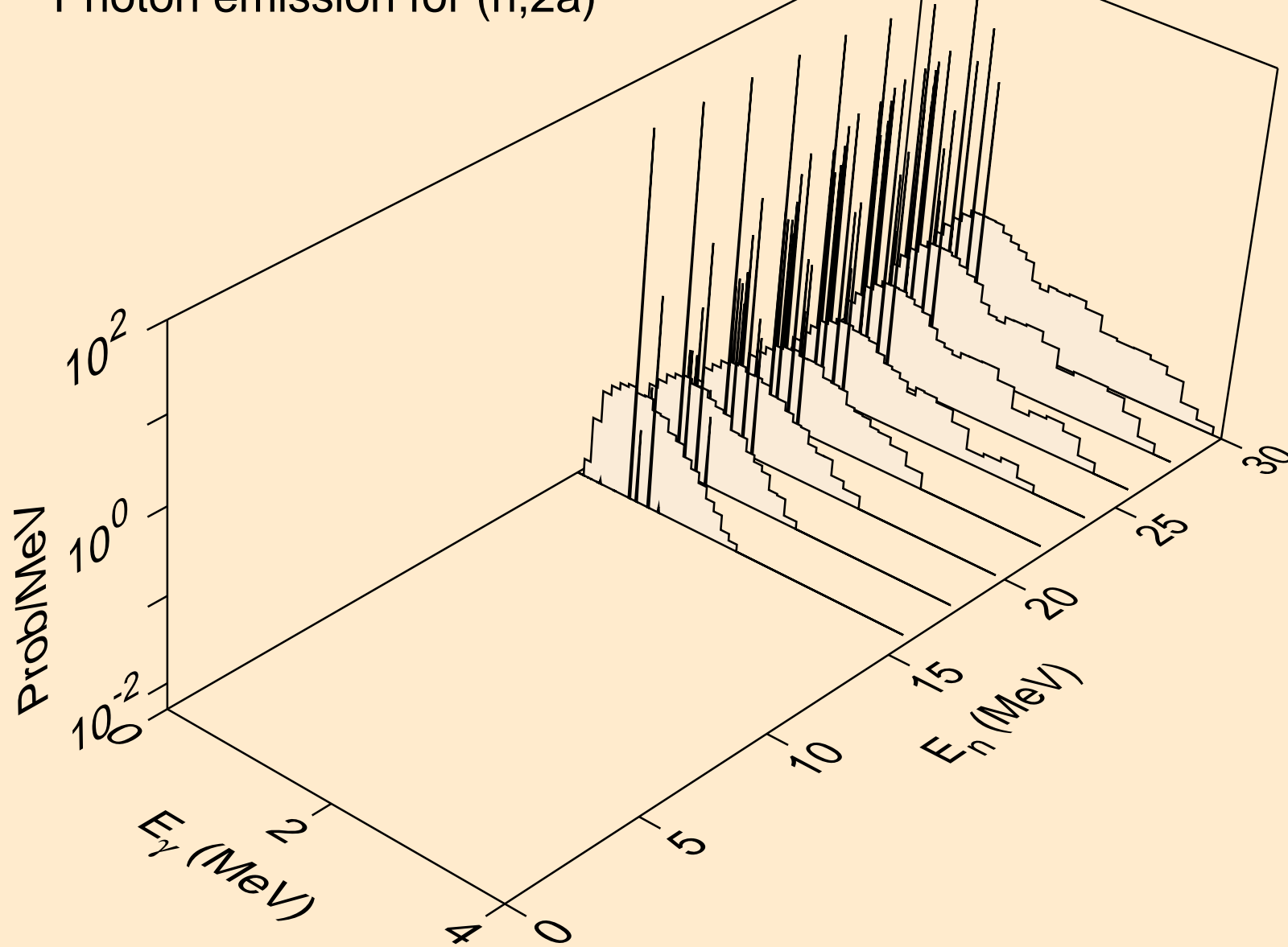
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,he3)



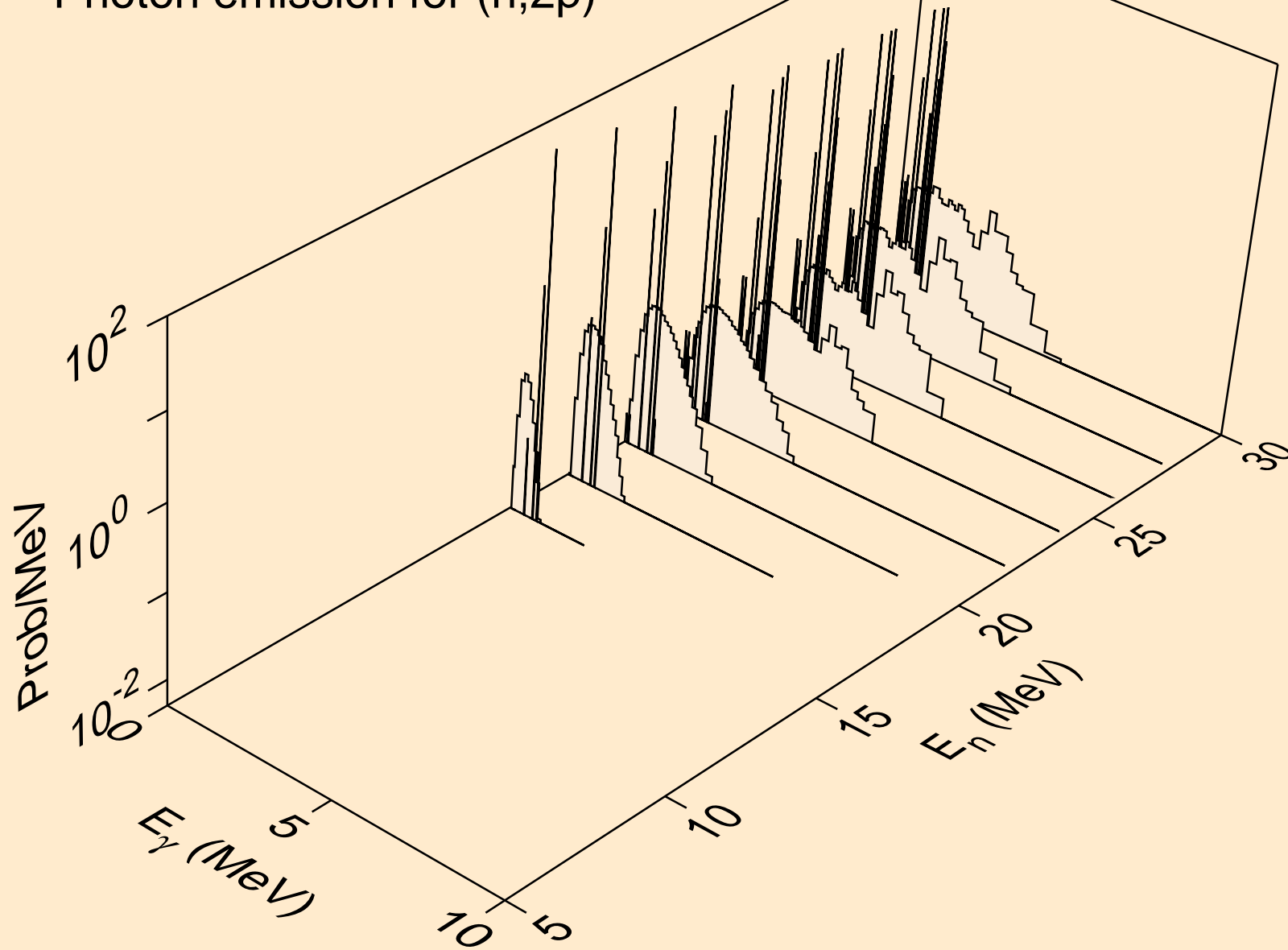
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



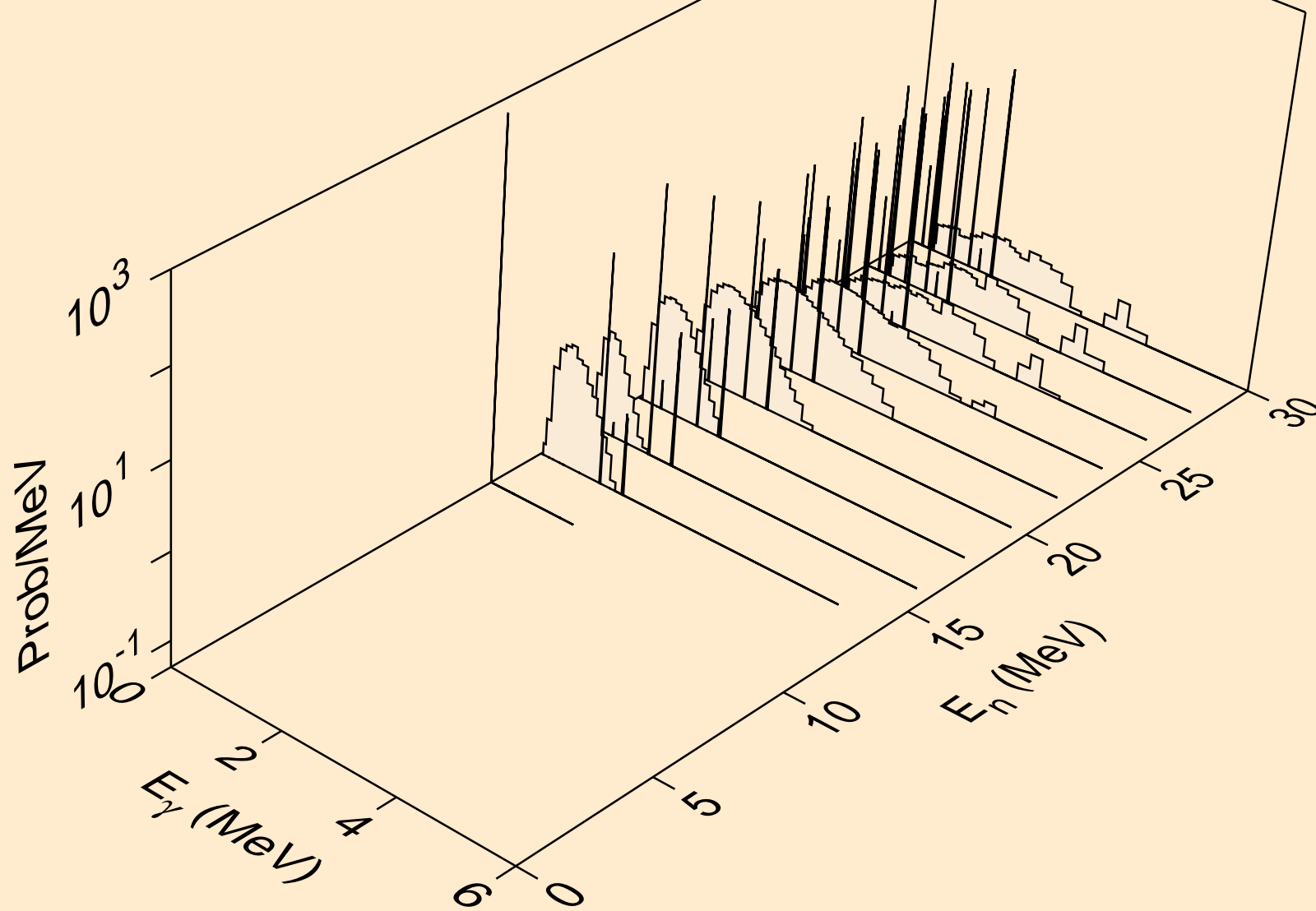
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2a)



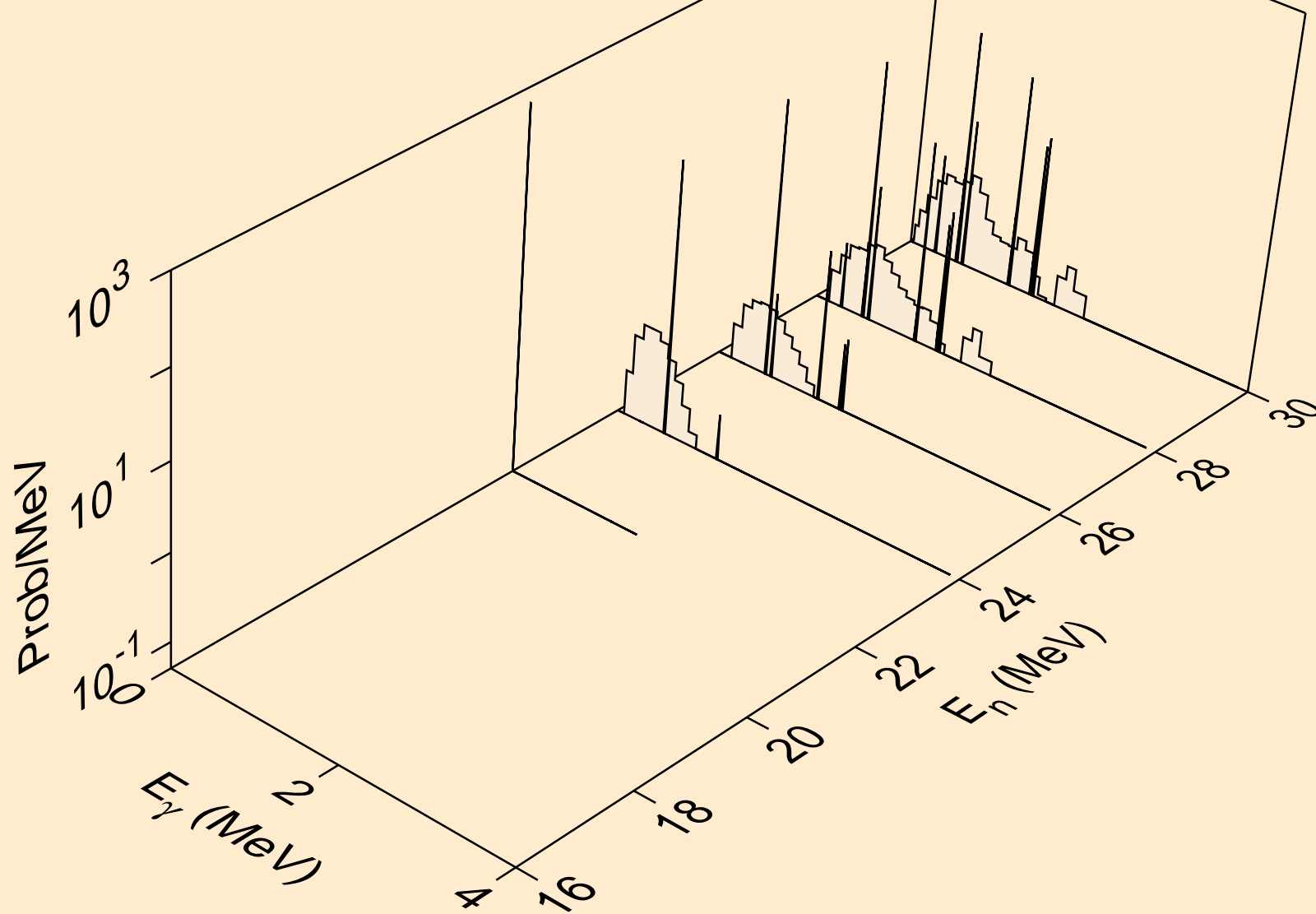
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)



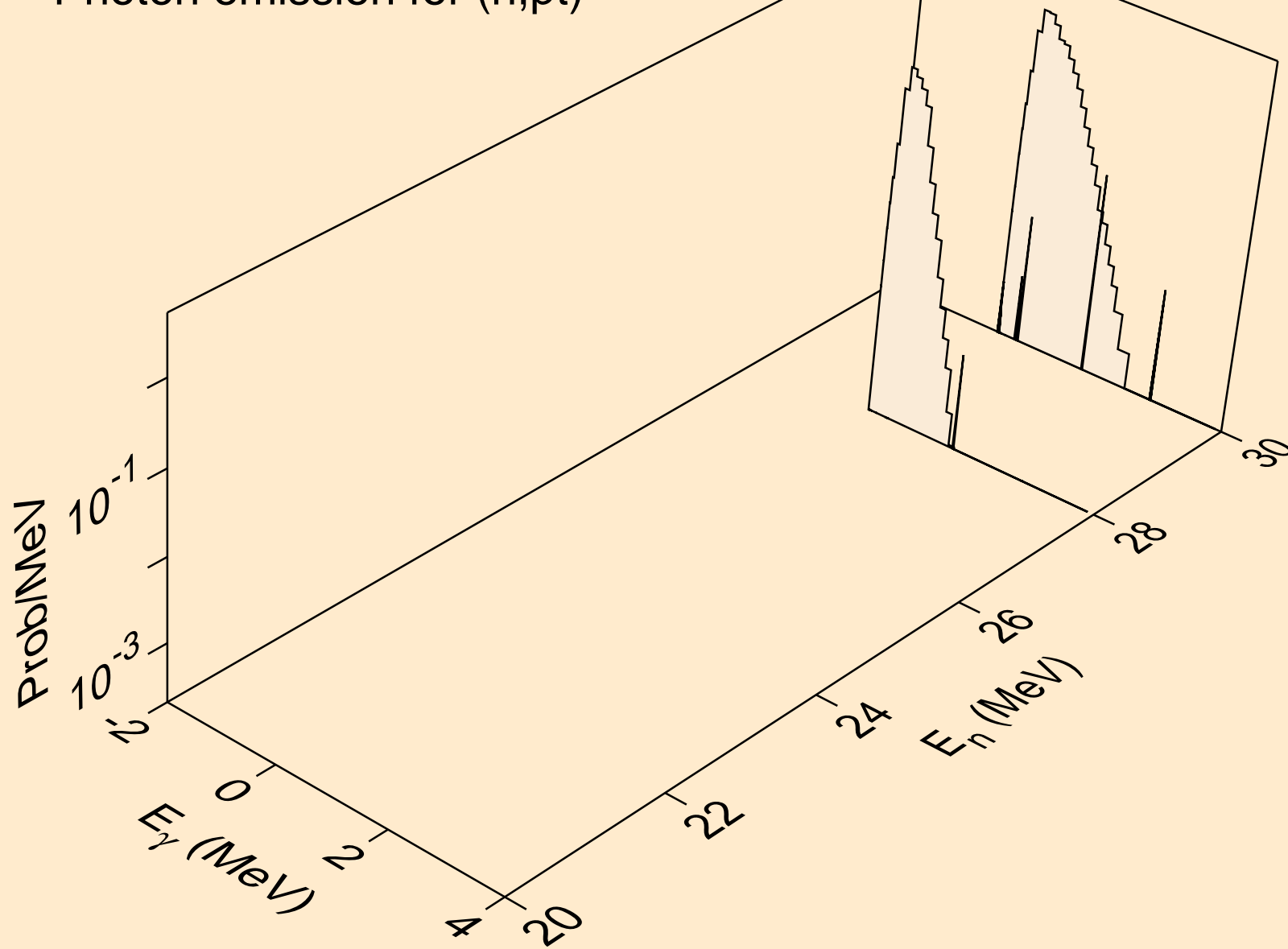
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pa)



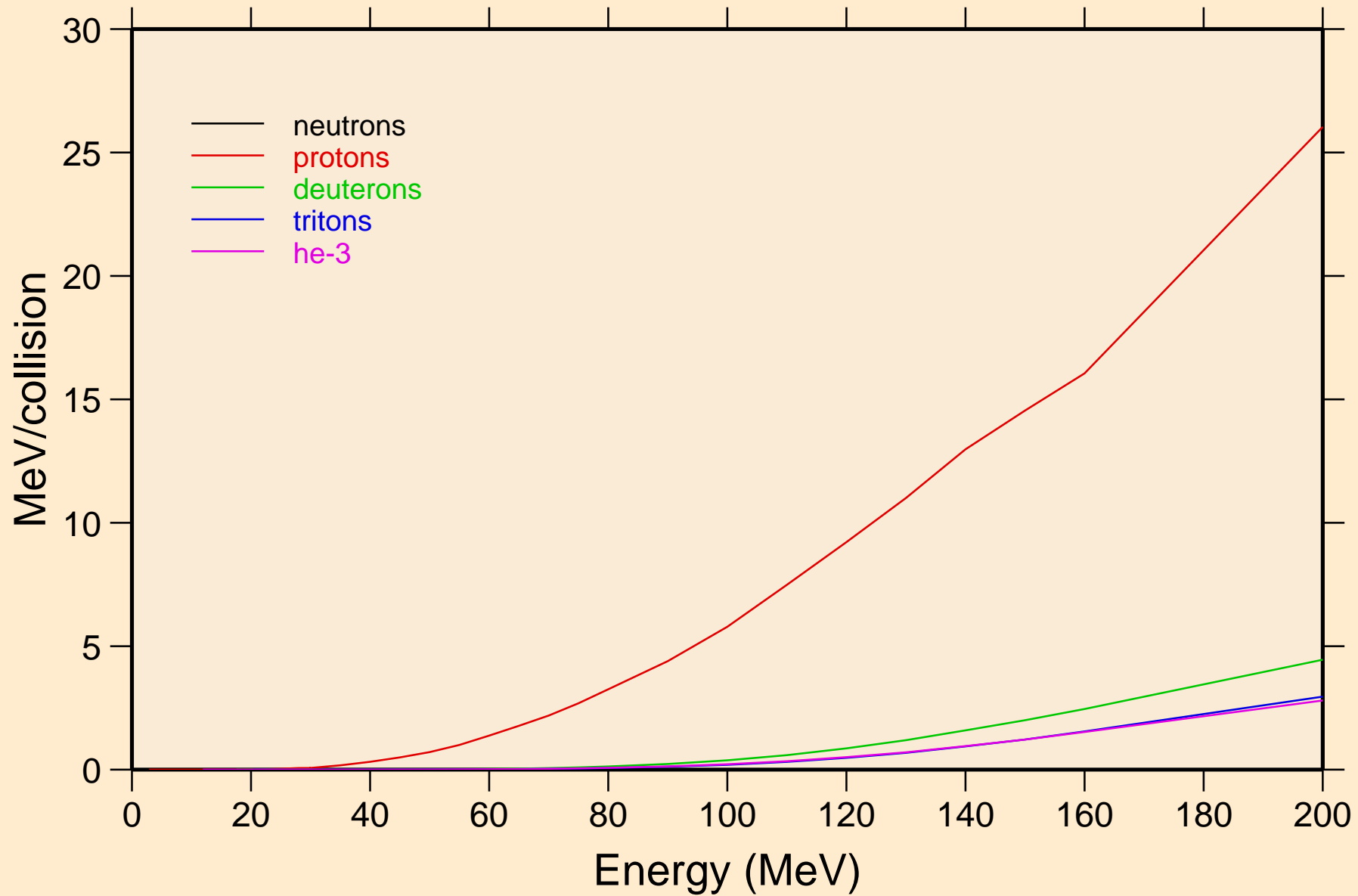
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)



YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)

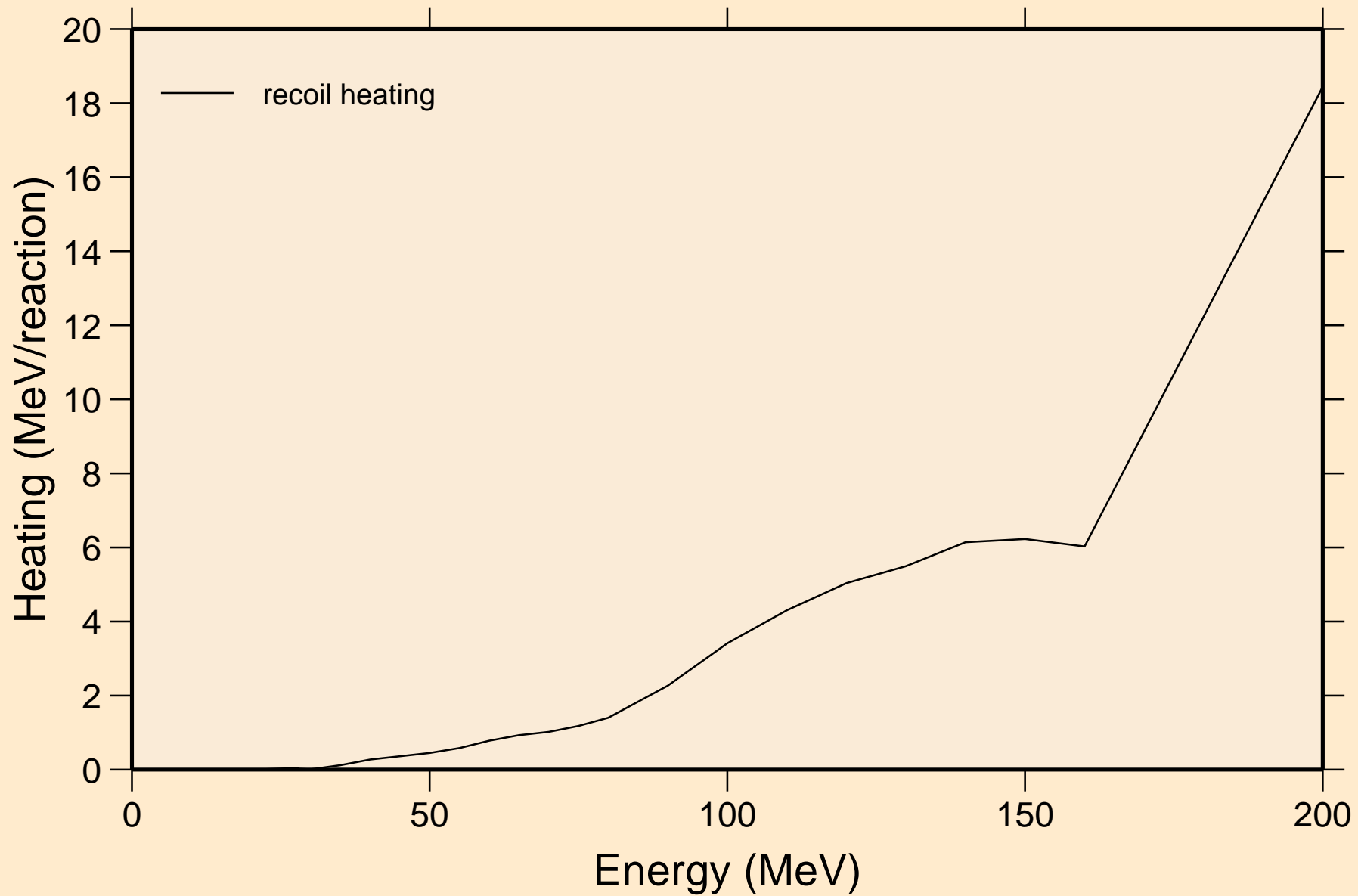


YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Particle heating contributions



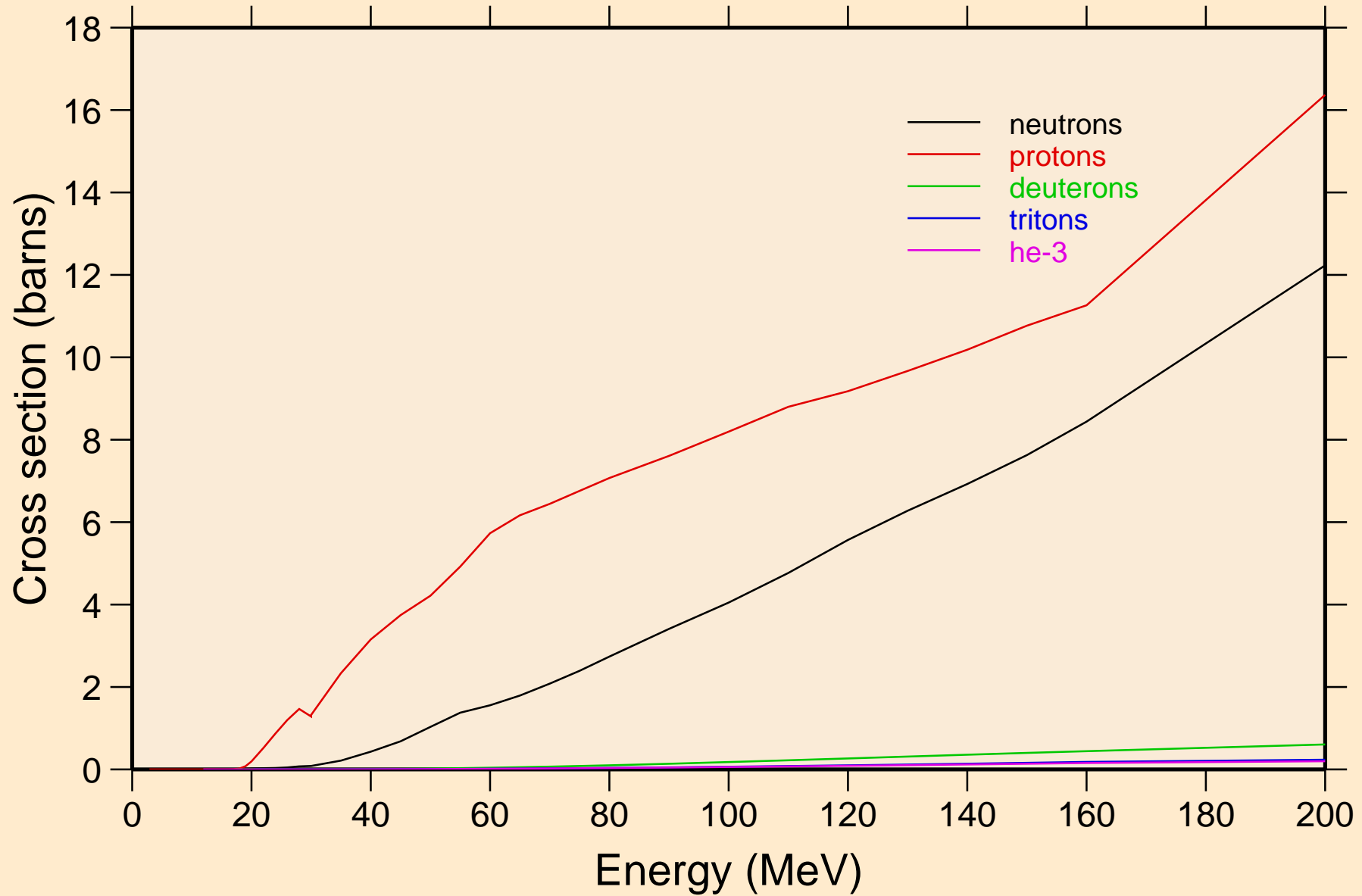


YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Recoil Heating

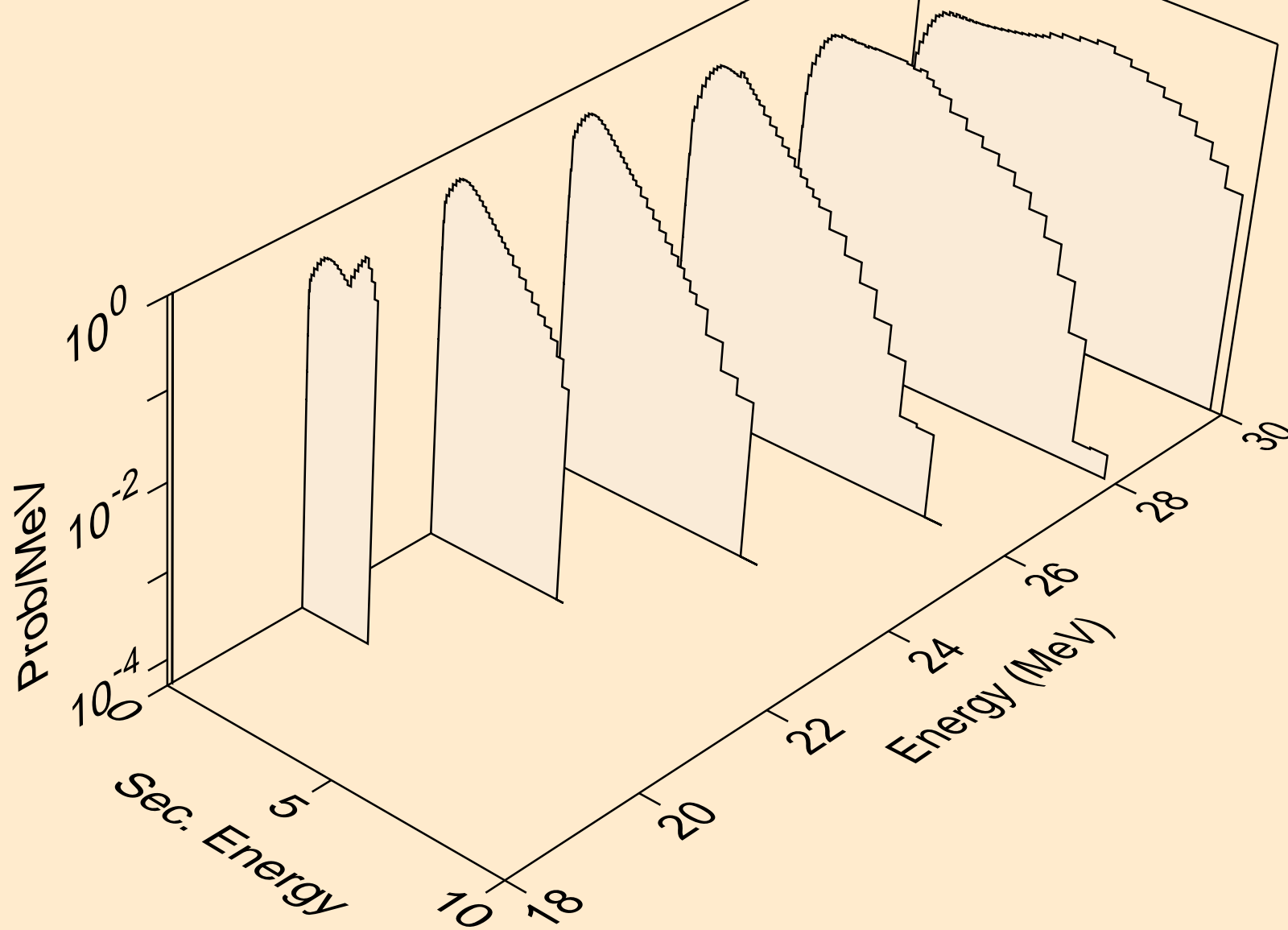


# YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

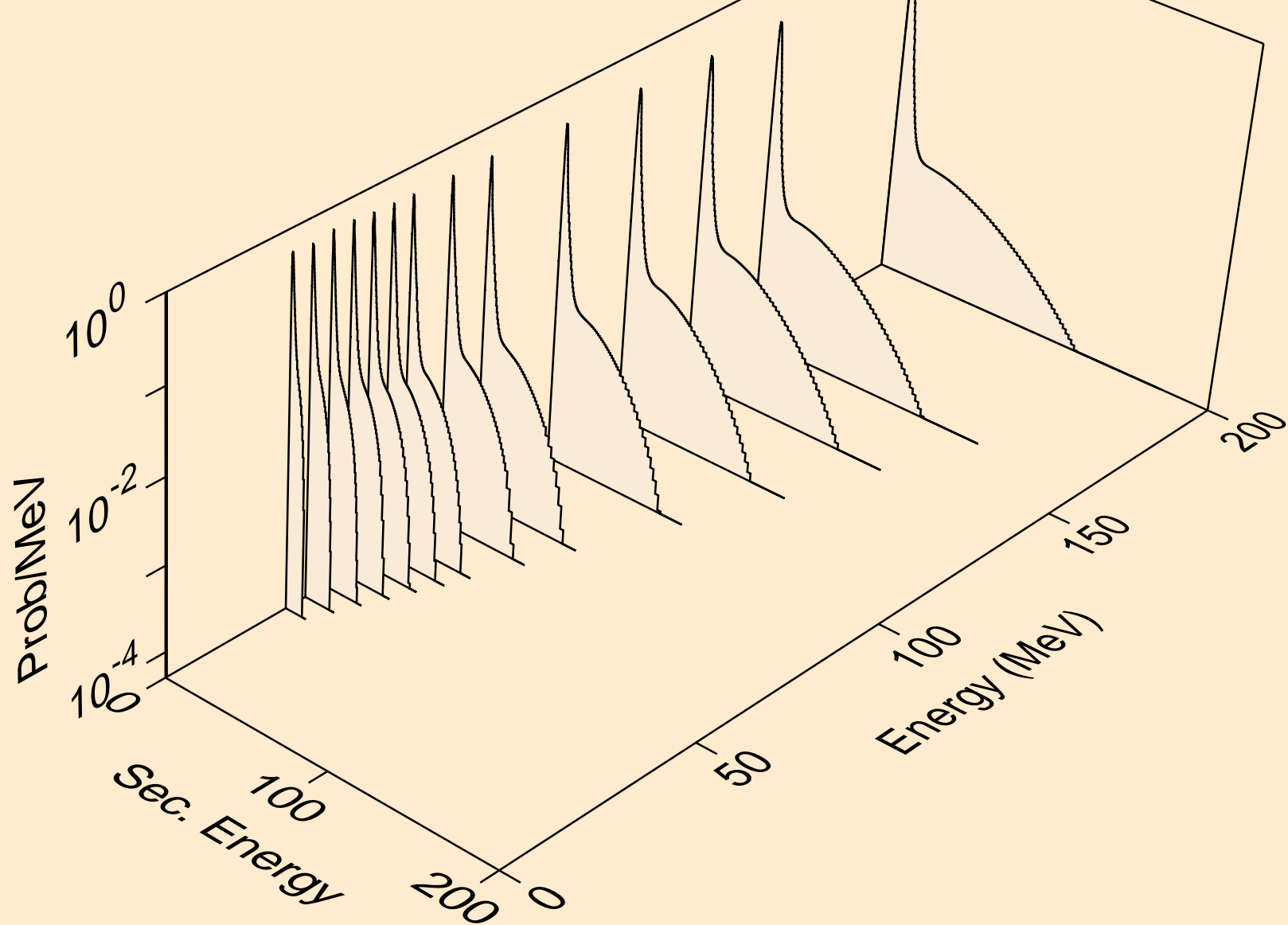
## Particle production cross sections



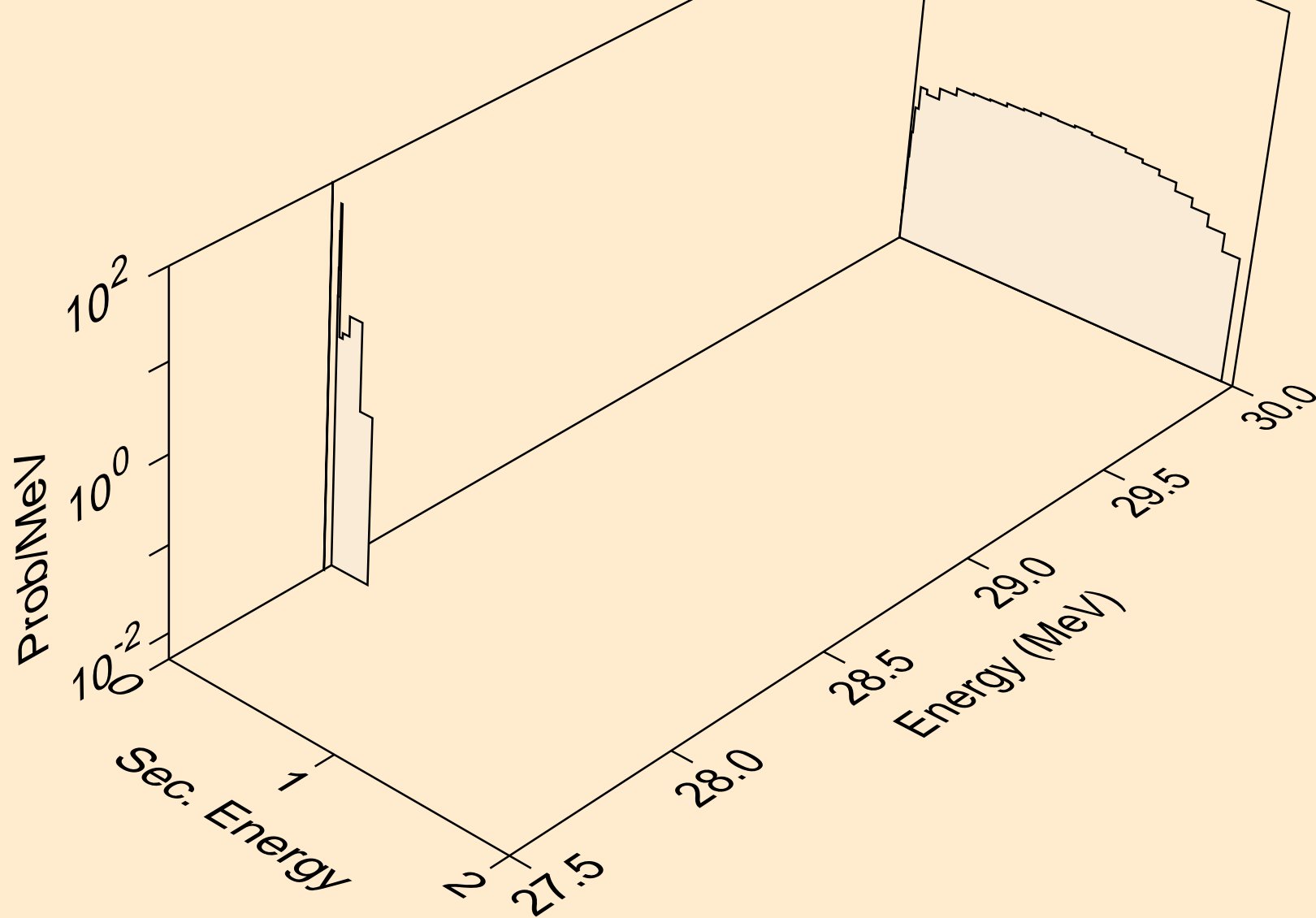
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n)



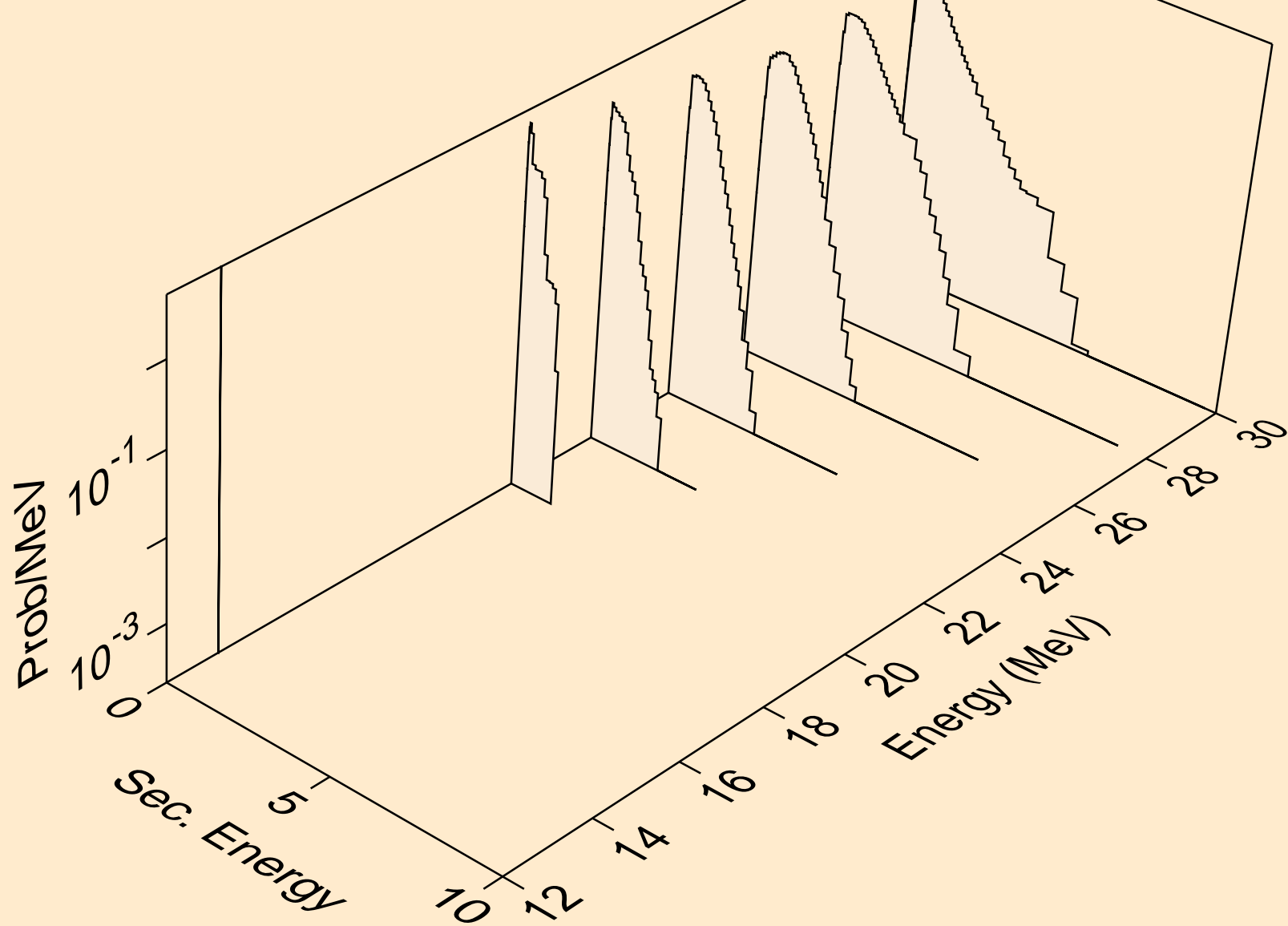
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,x)



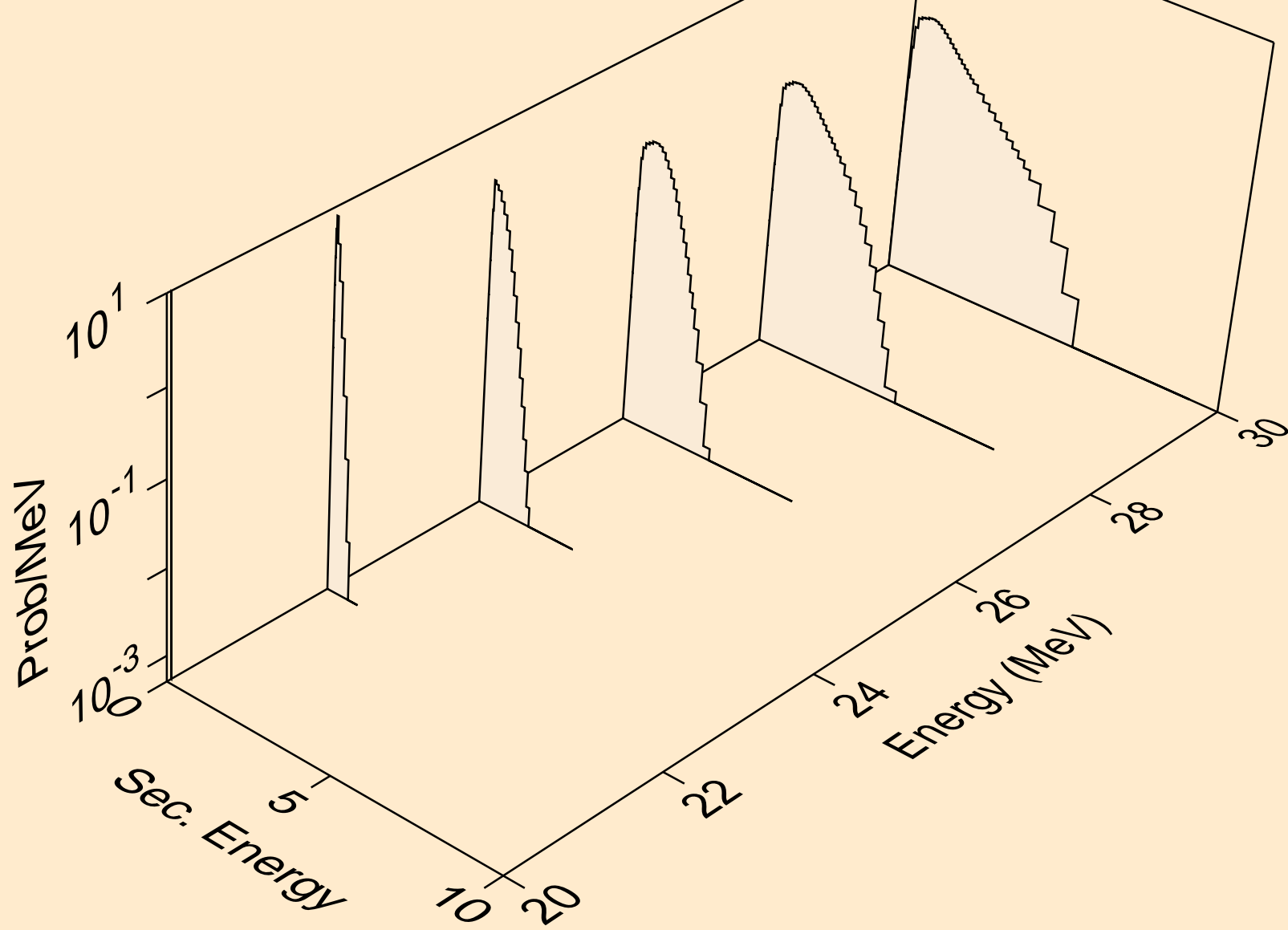
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,2n)



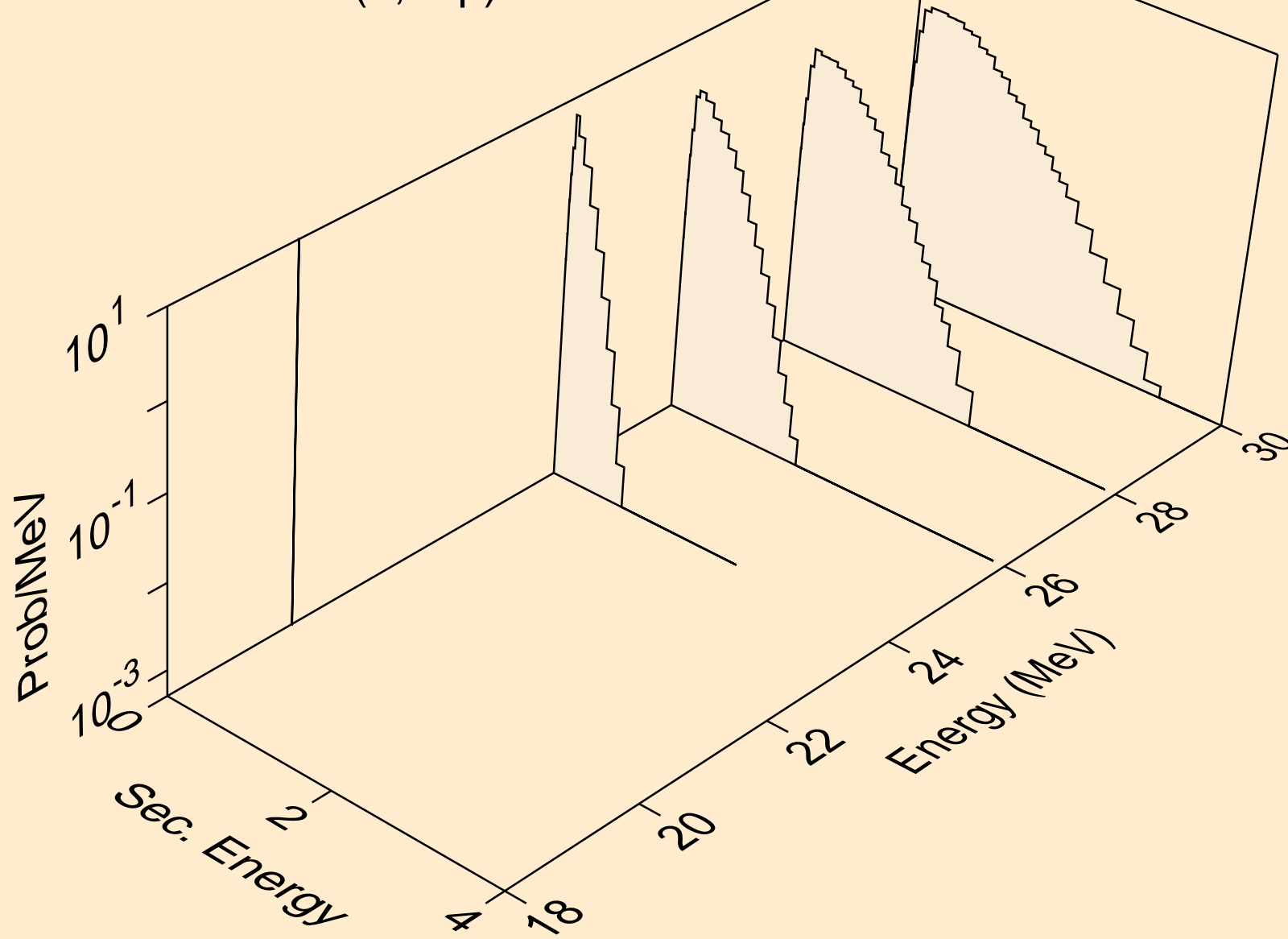
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)a



YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)p

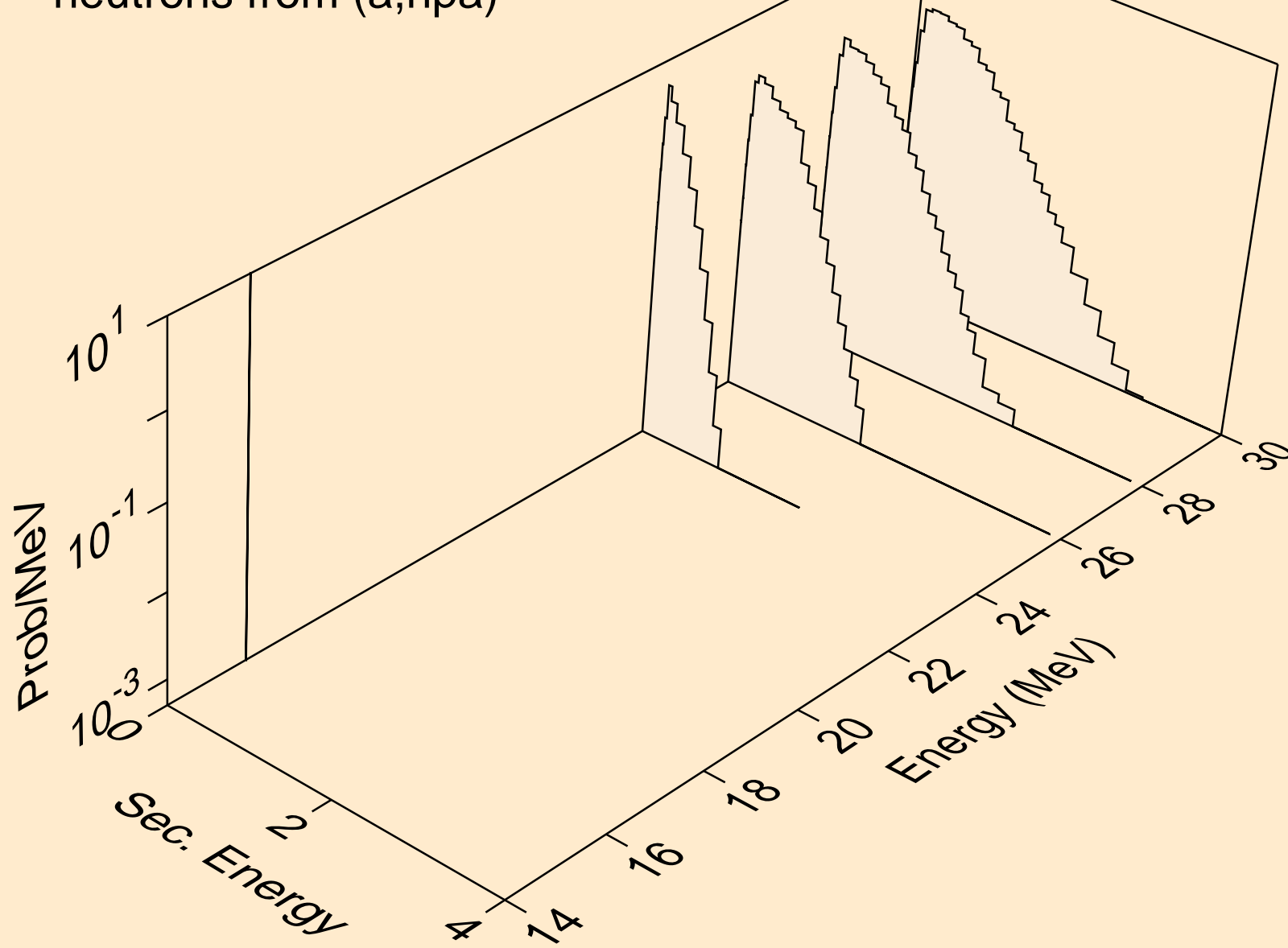


YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,2np)

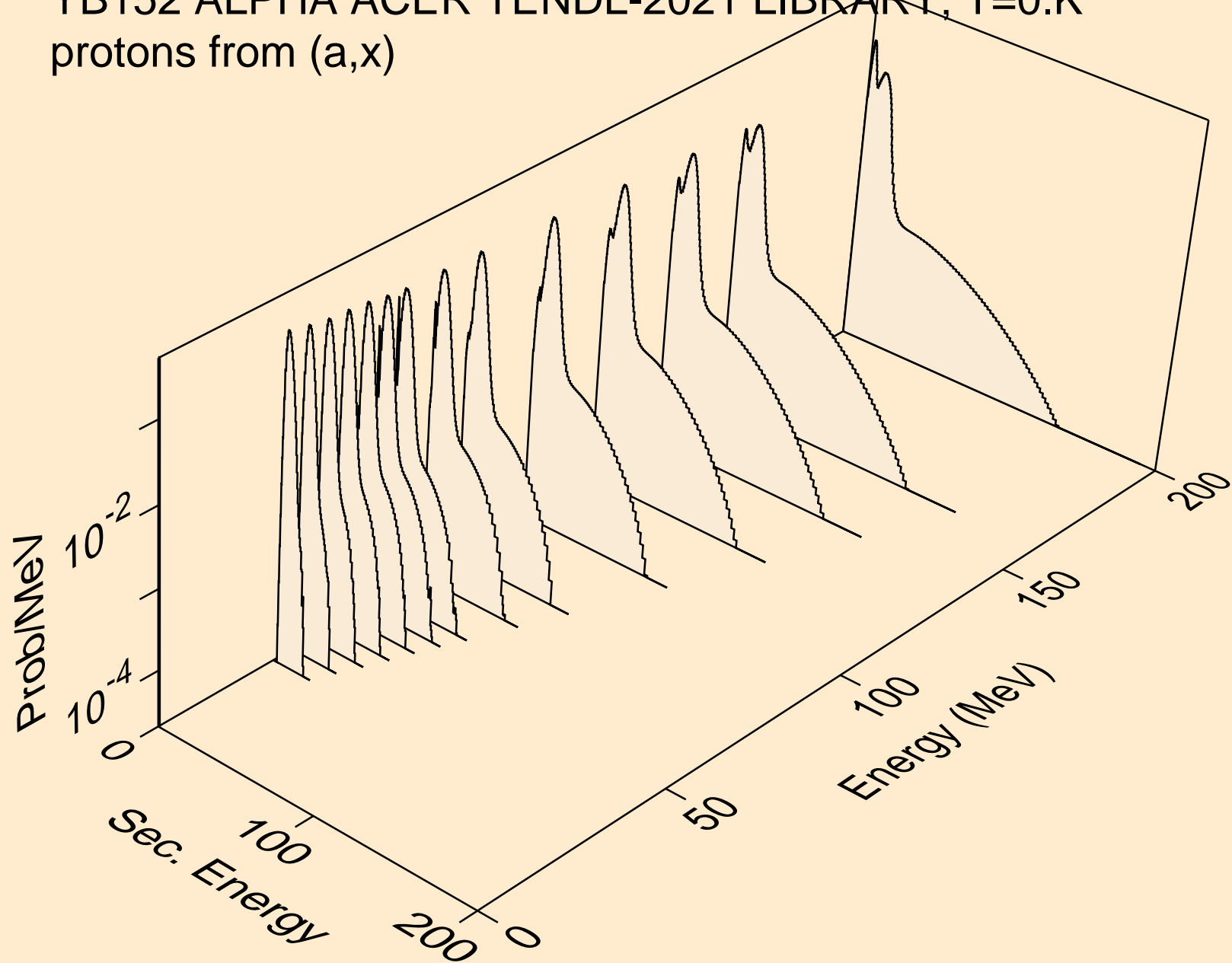




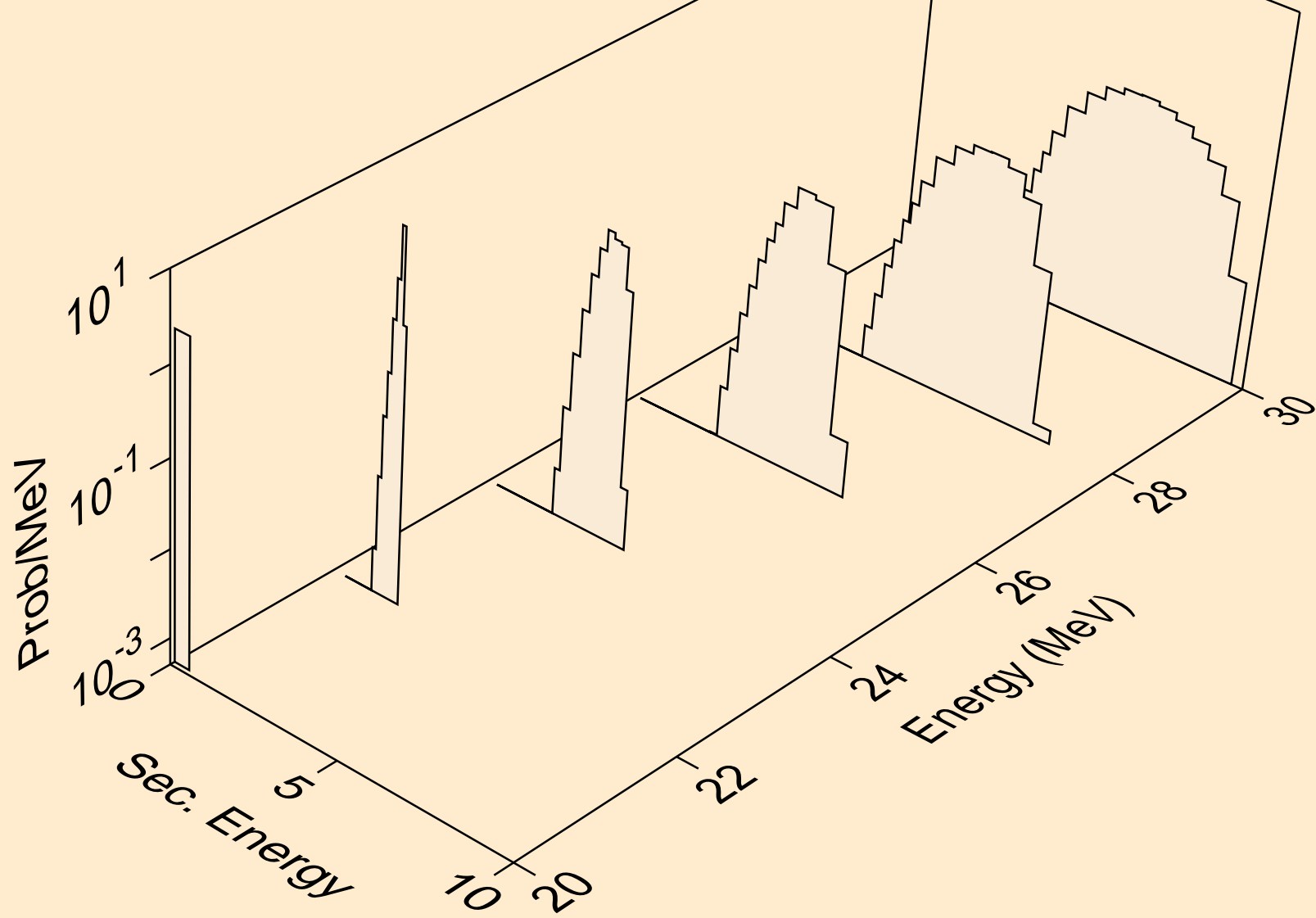
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neutrons from (a,npa)



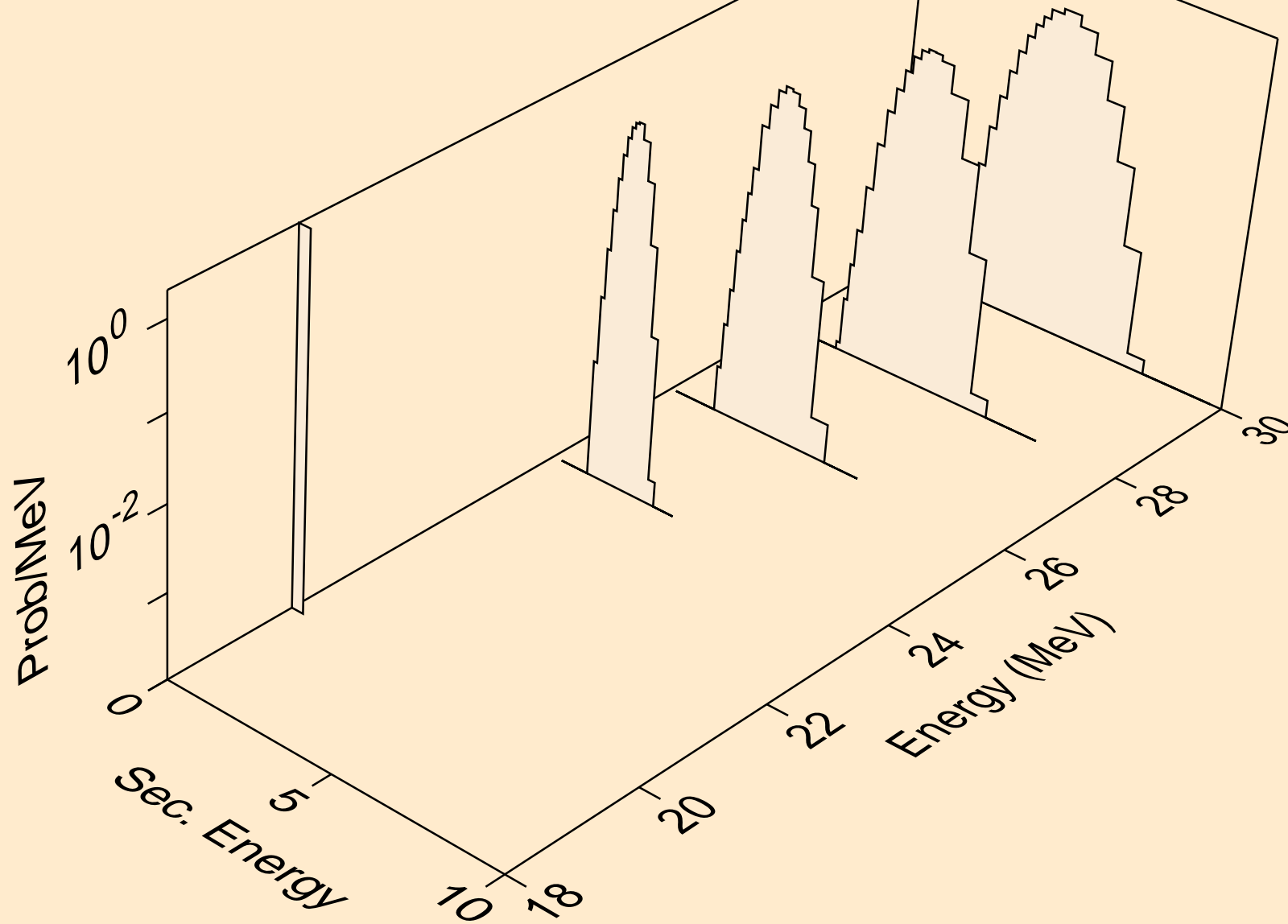
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,x)



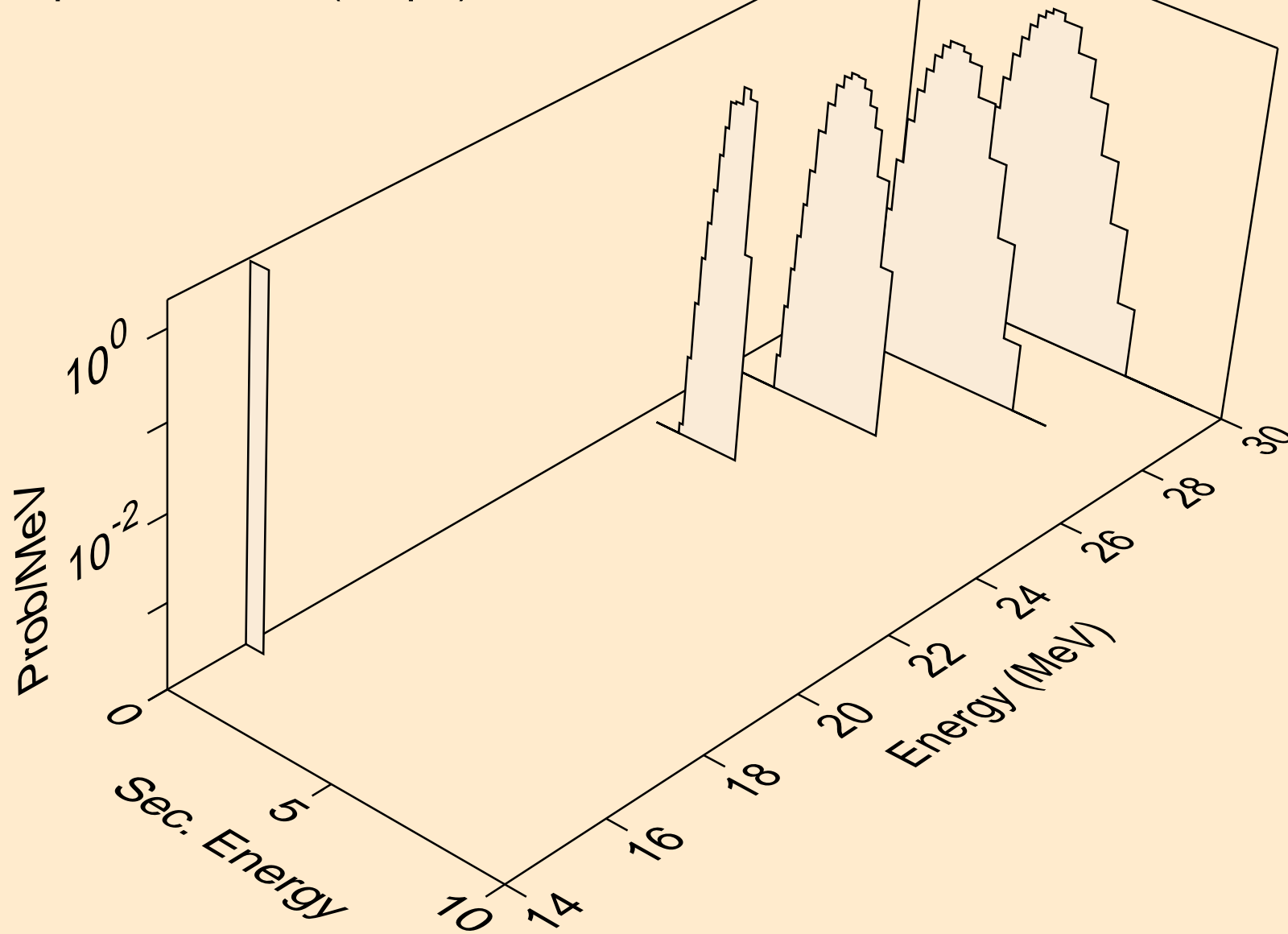
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,n\*)p



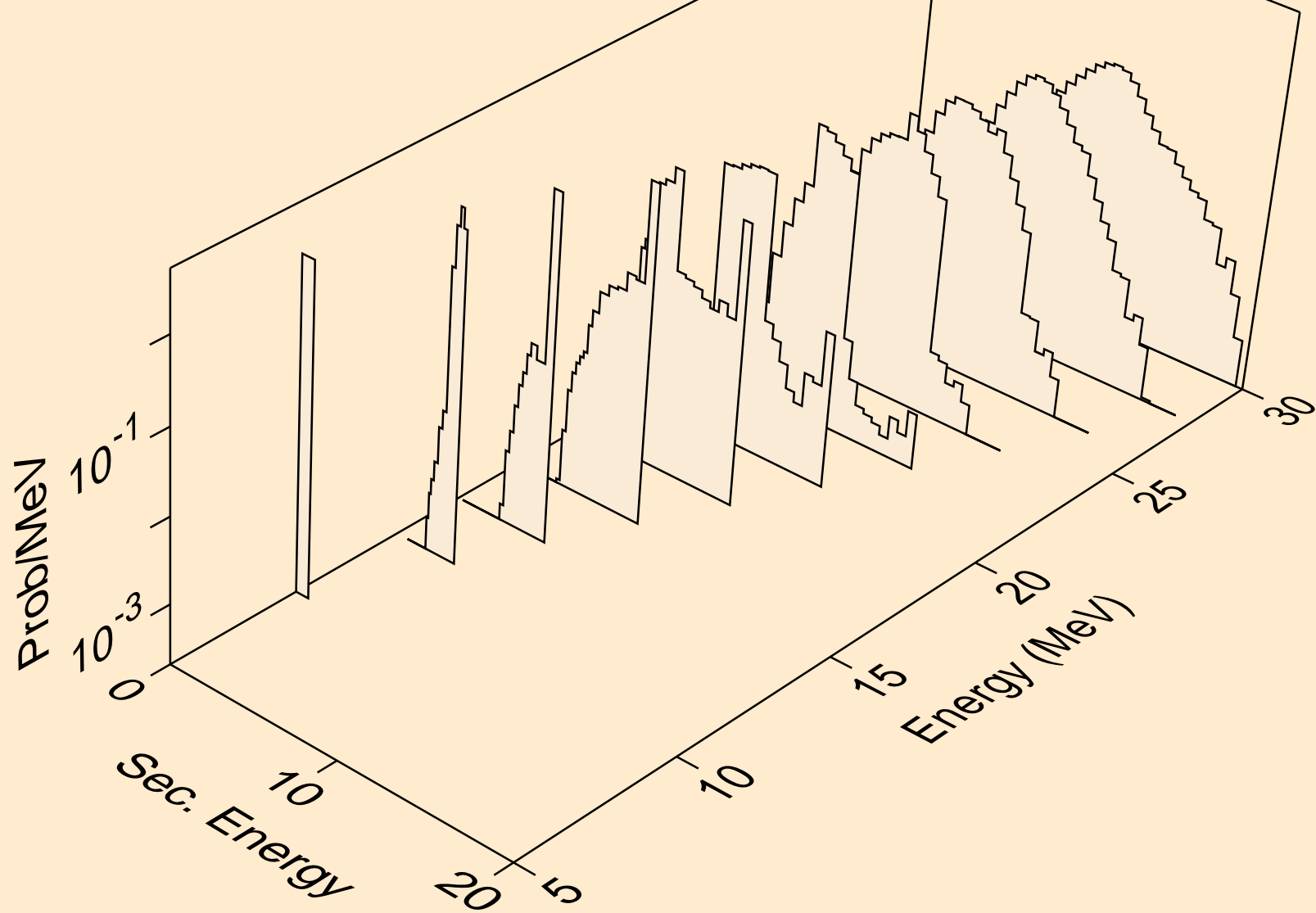
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protons from (a,2np)



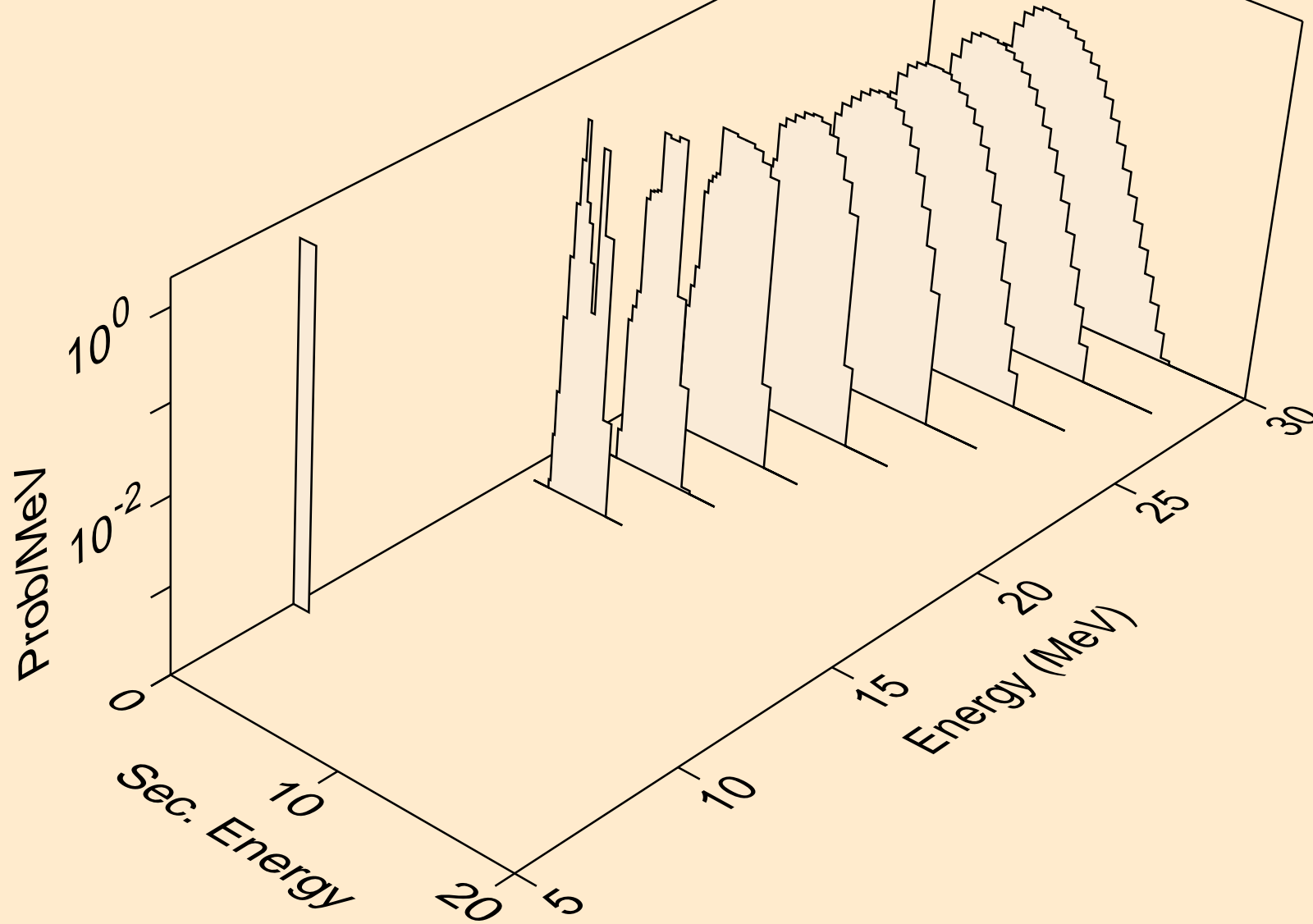
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protons from (a,npa)



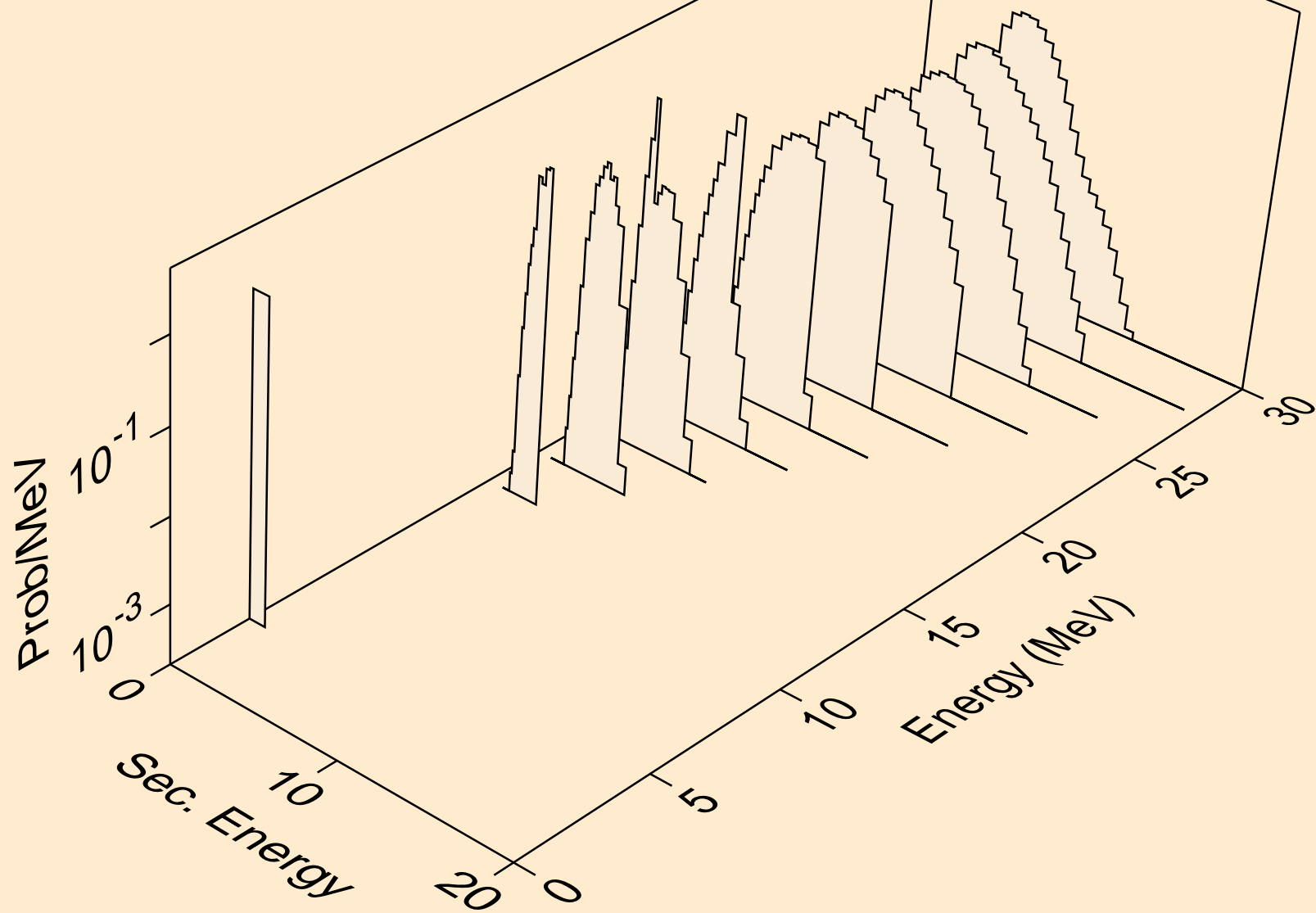
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,p)



YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,2p)

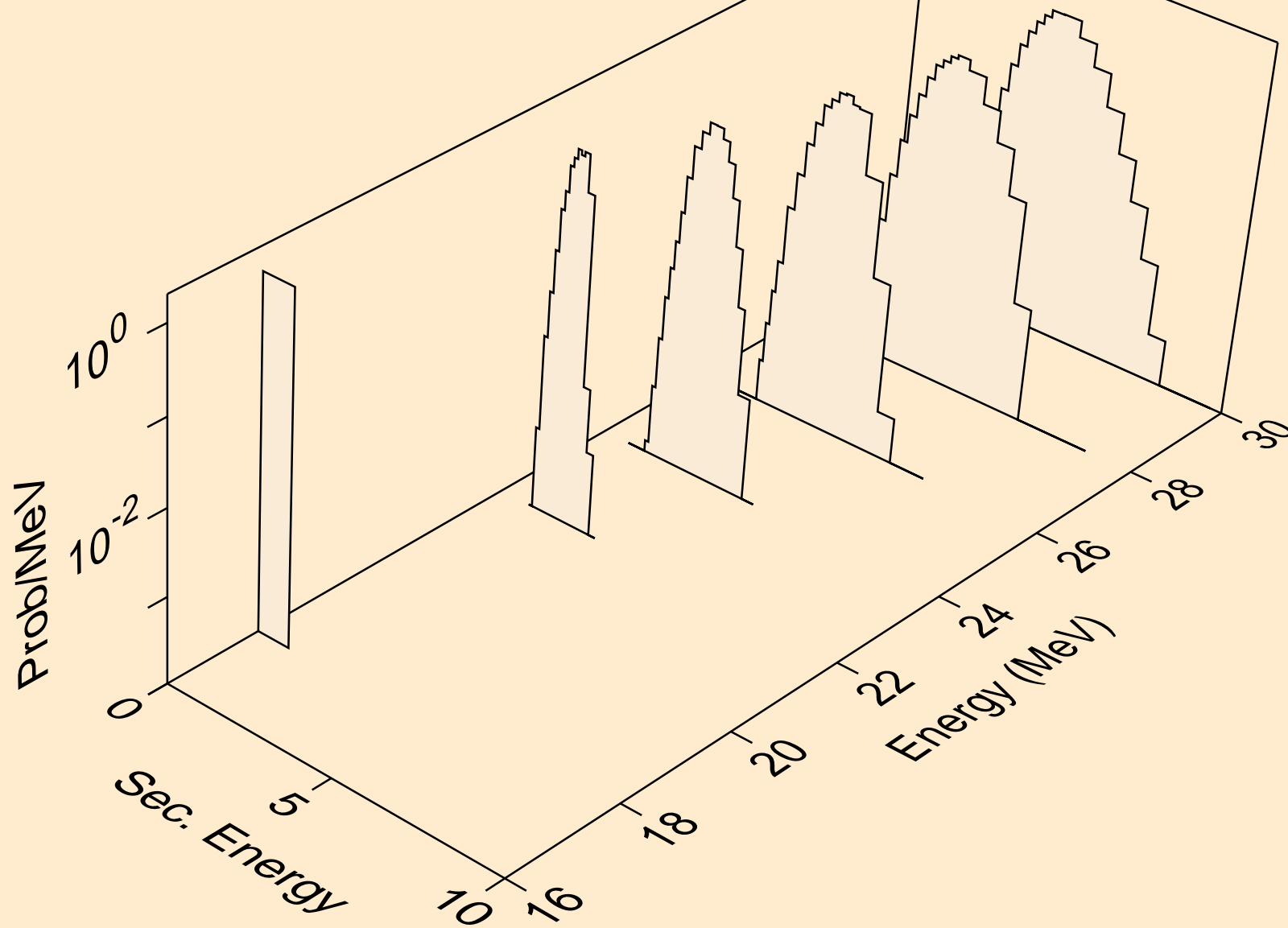


YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,pa)

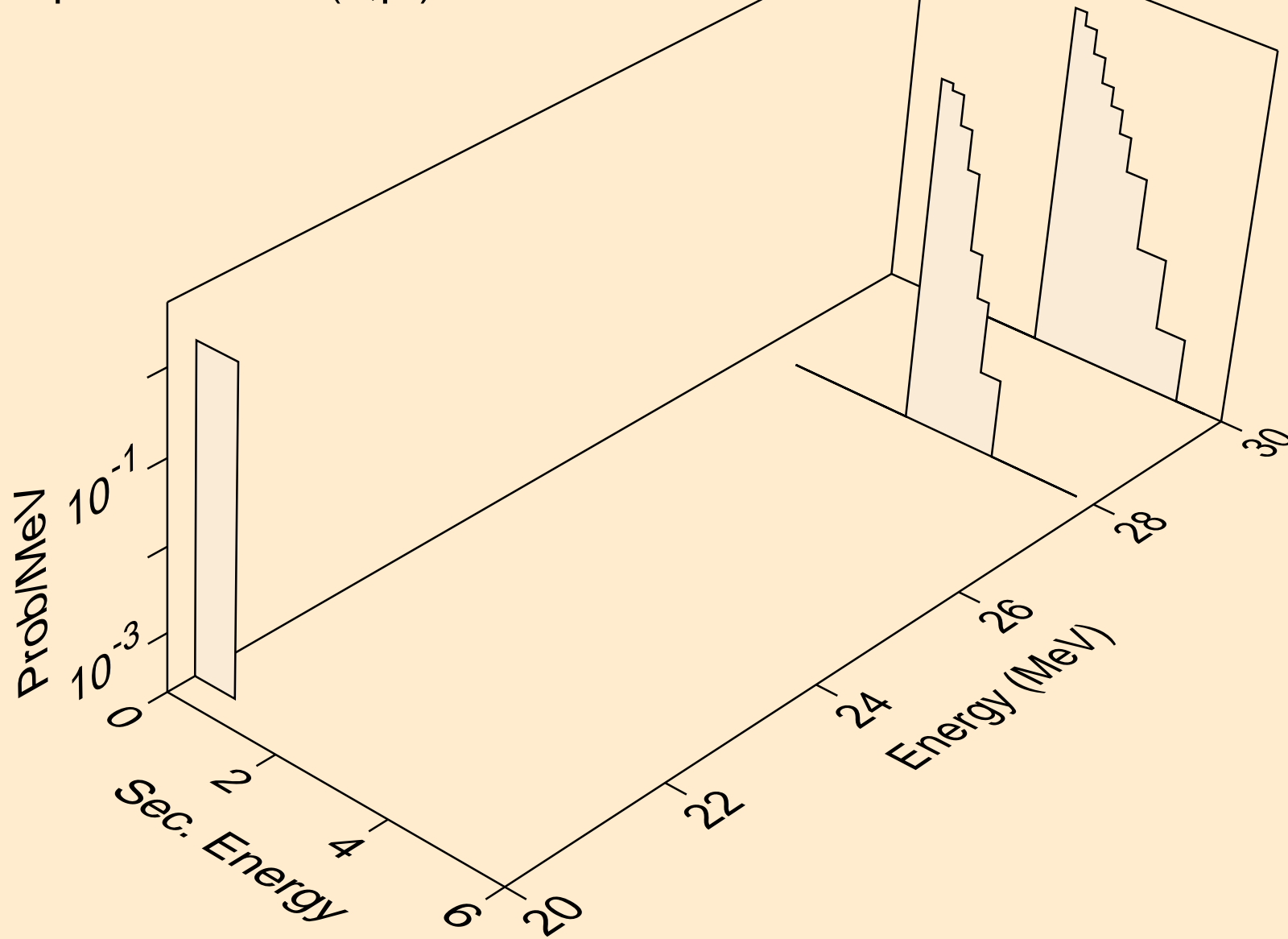




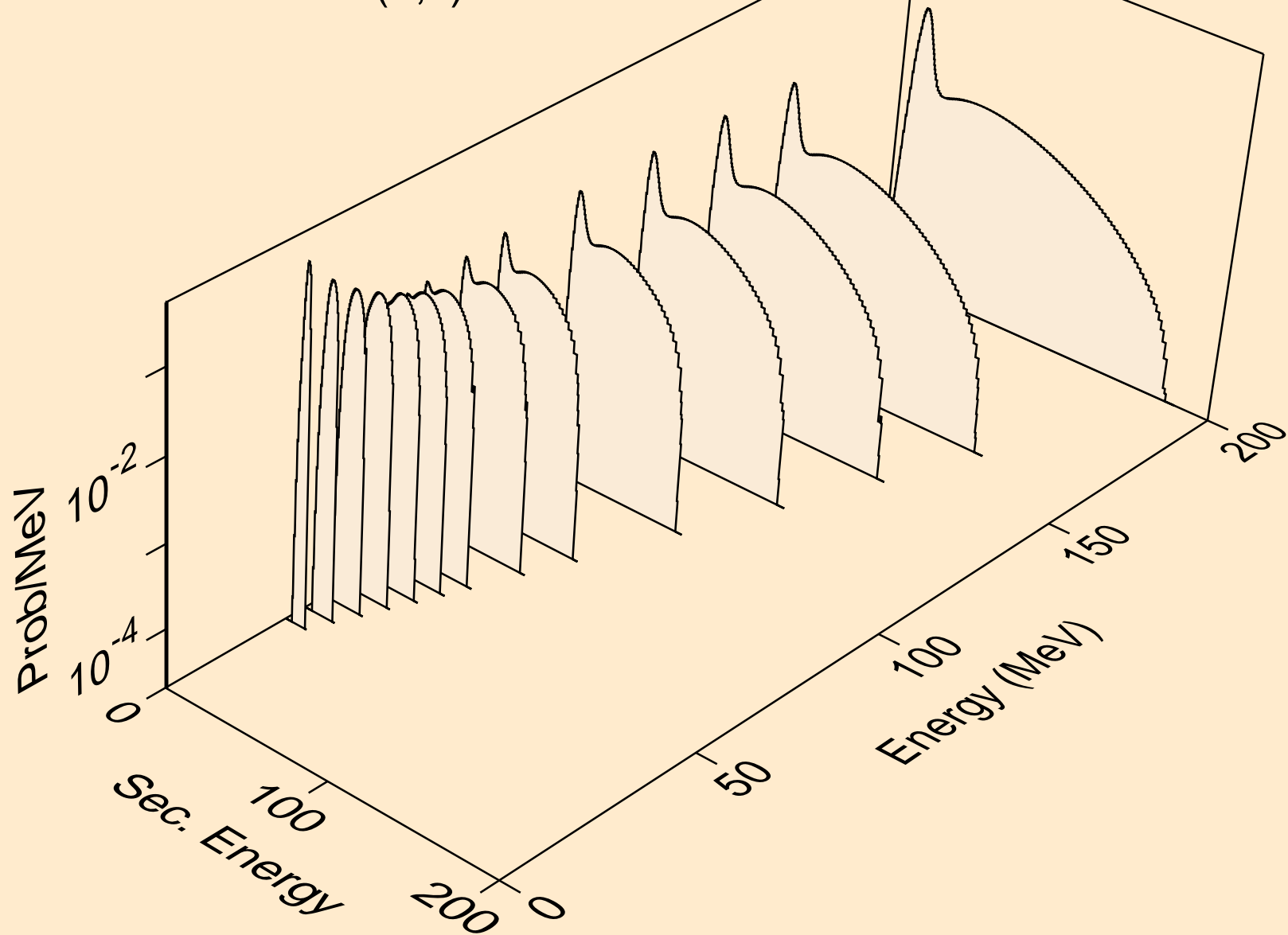
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,pd)



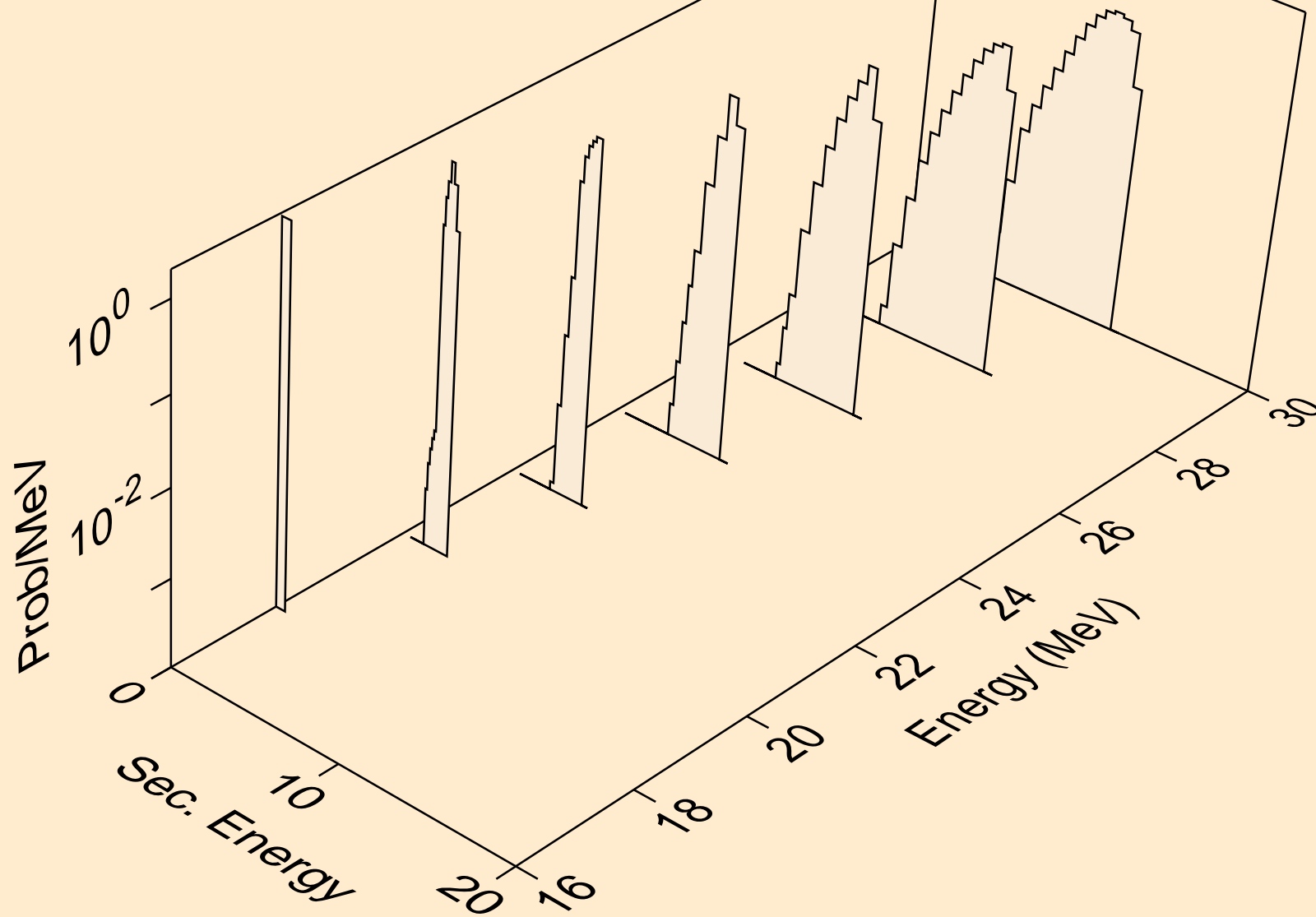
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,pt)



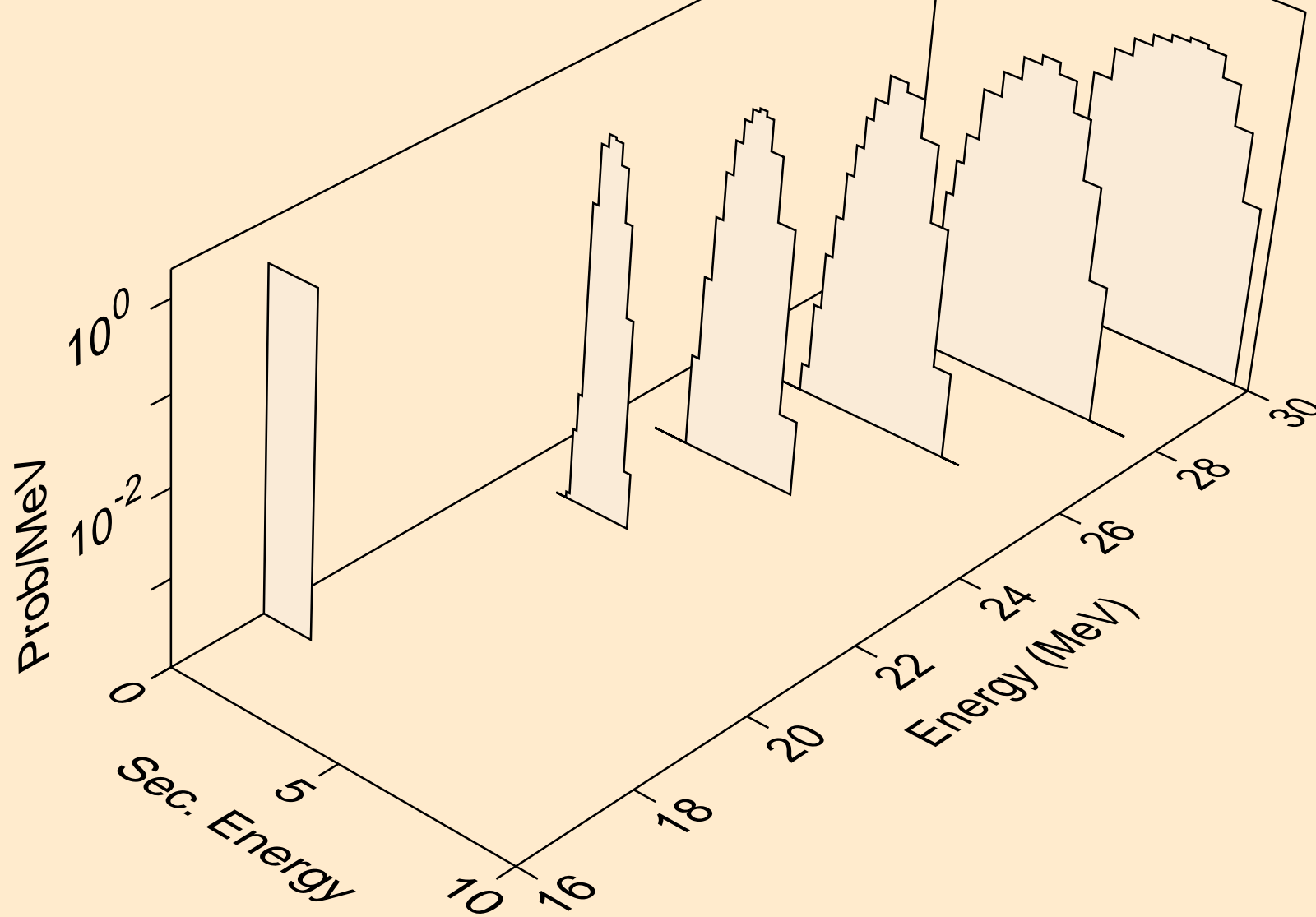
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,x)



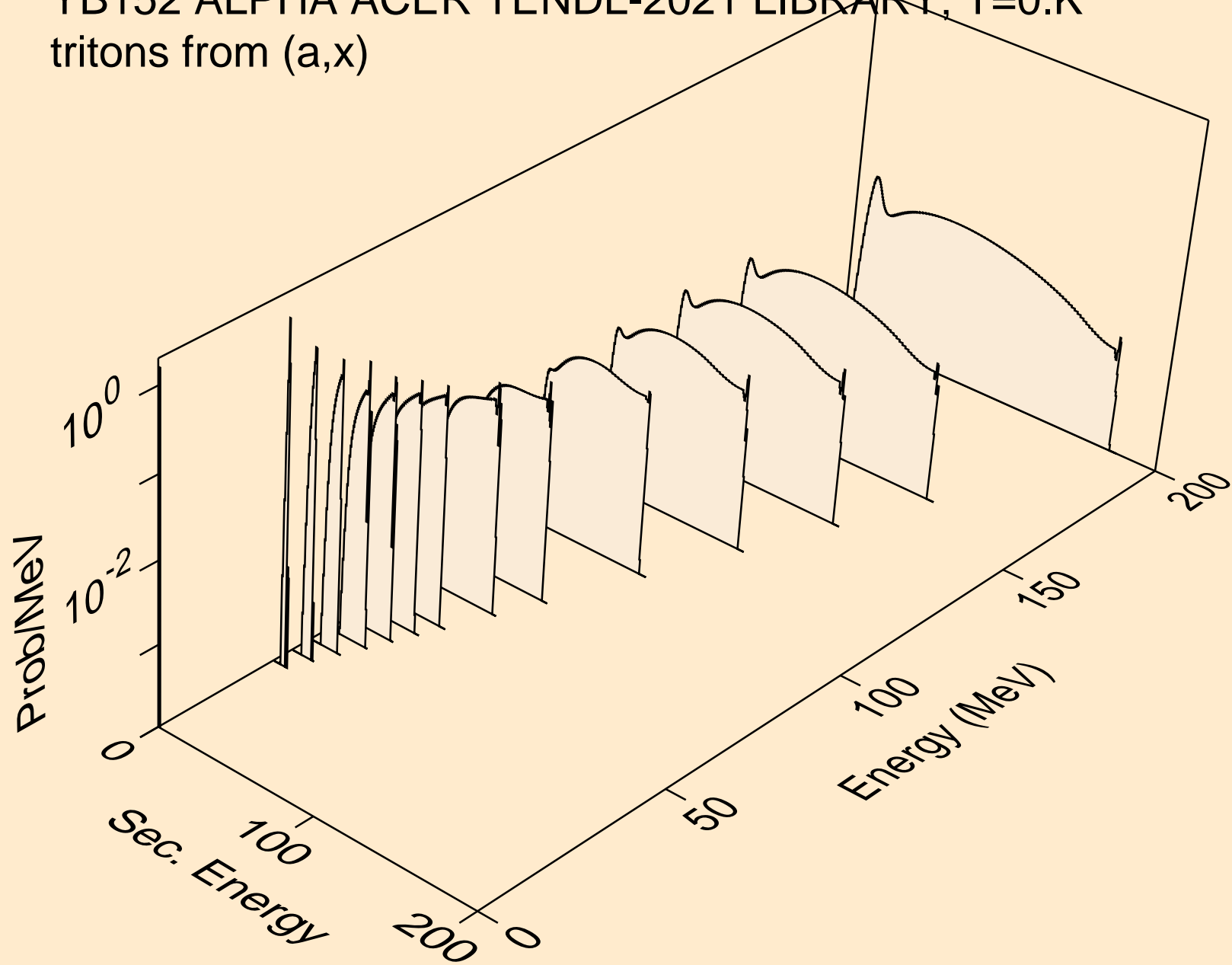
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,d)



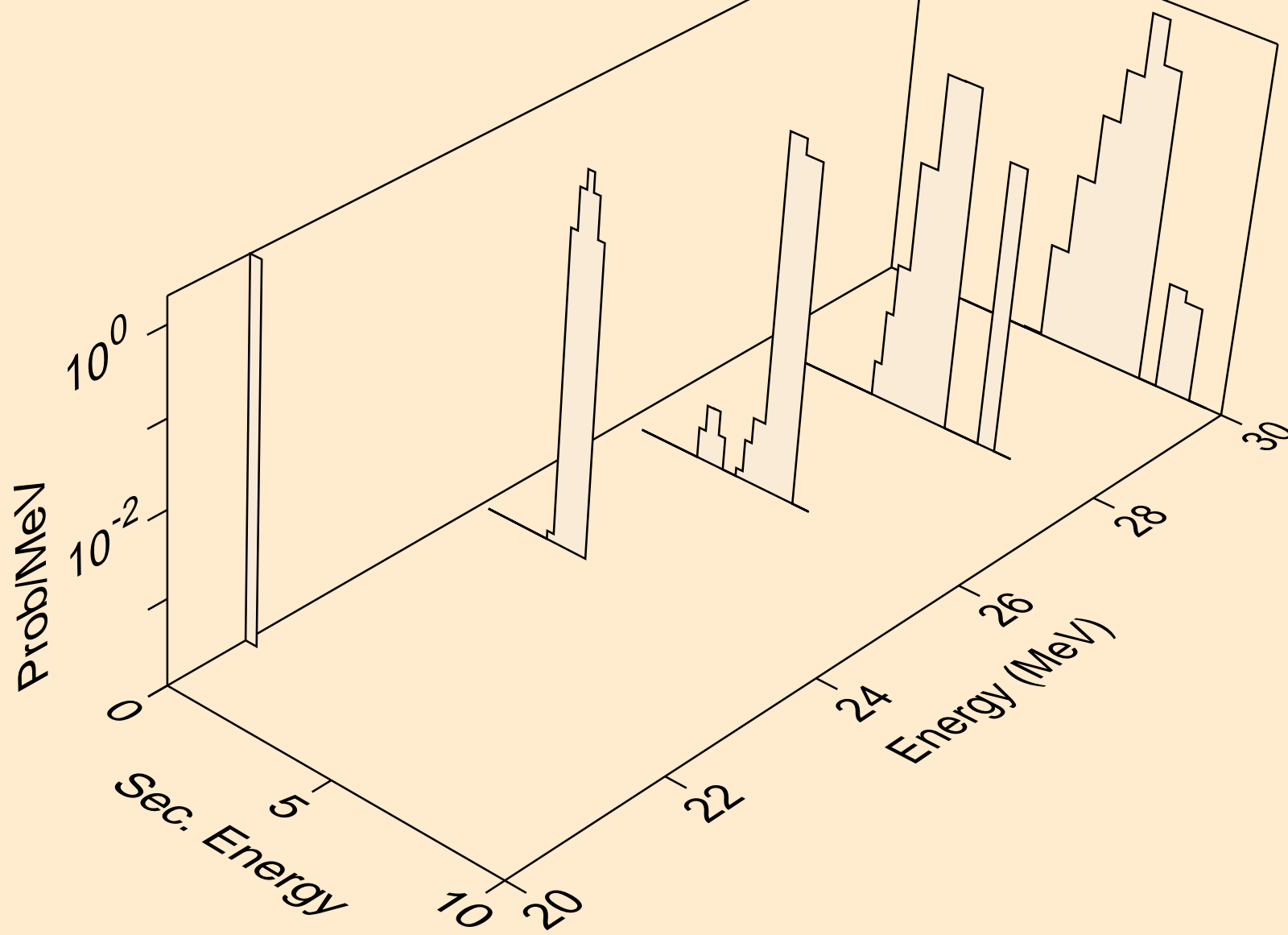
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,pd)



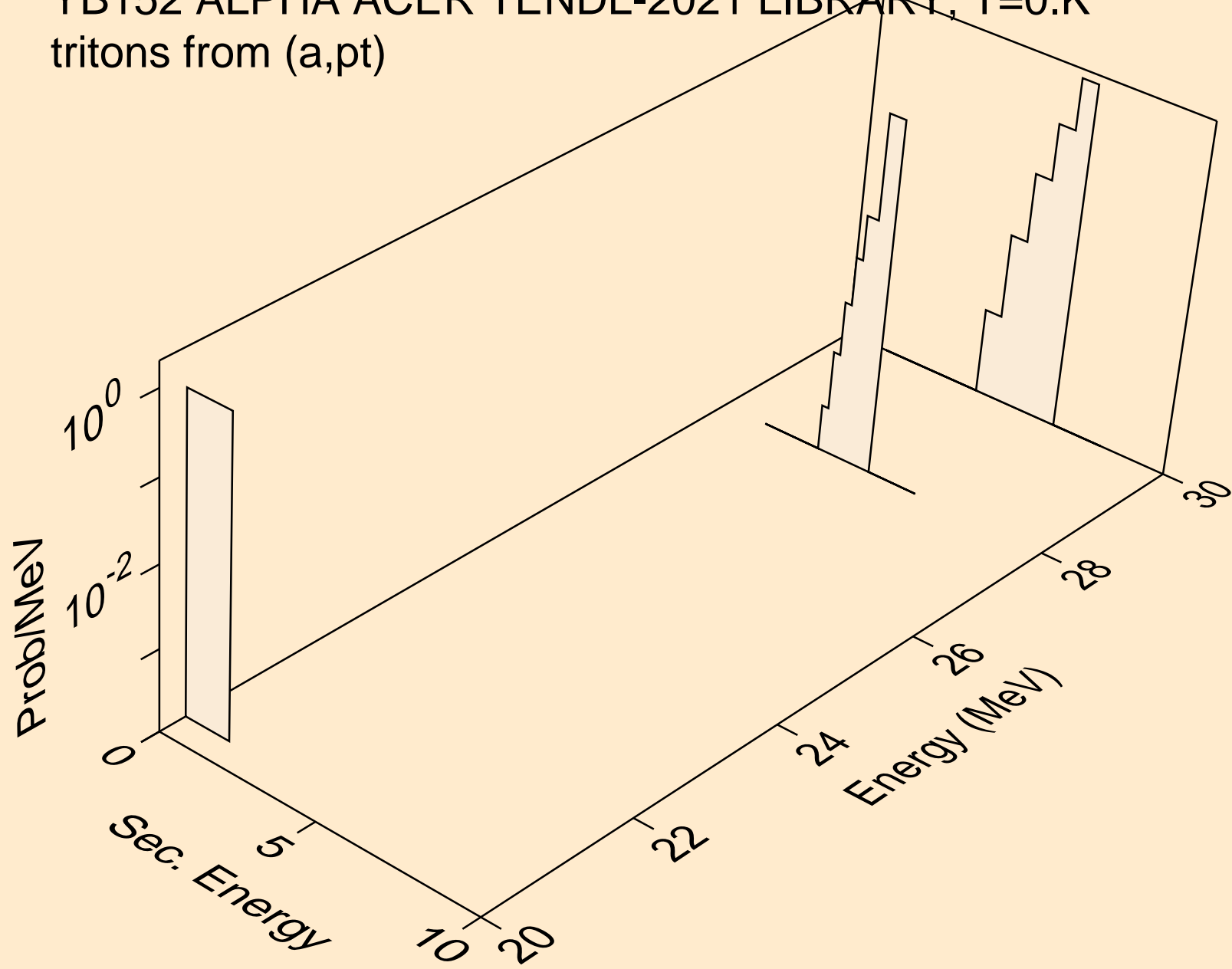
YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,x)



YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,t)

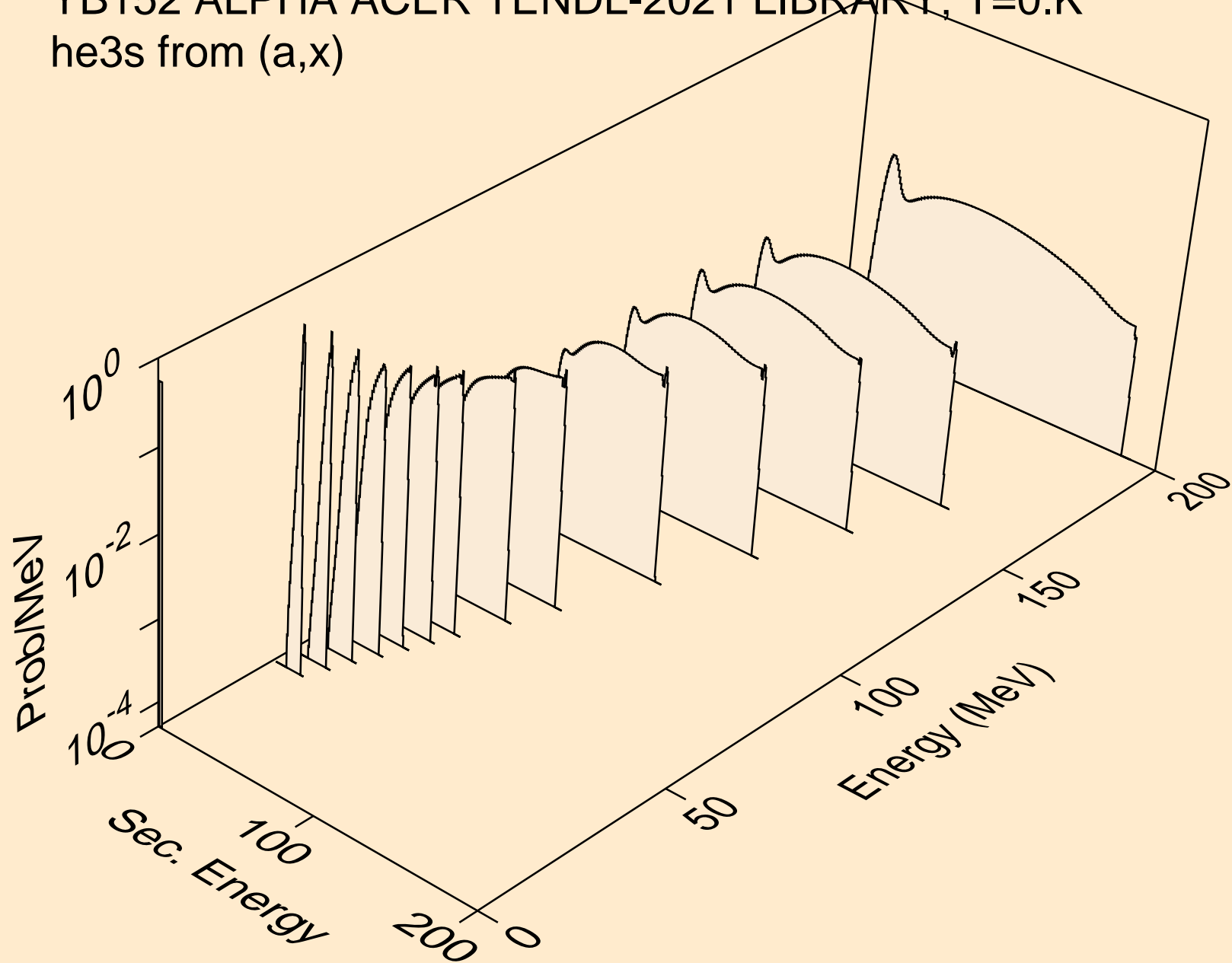


YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,pt)





YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (a,x)



YB152 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (a,he3)

