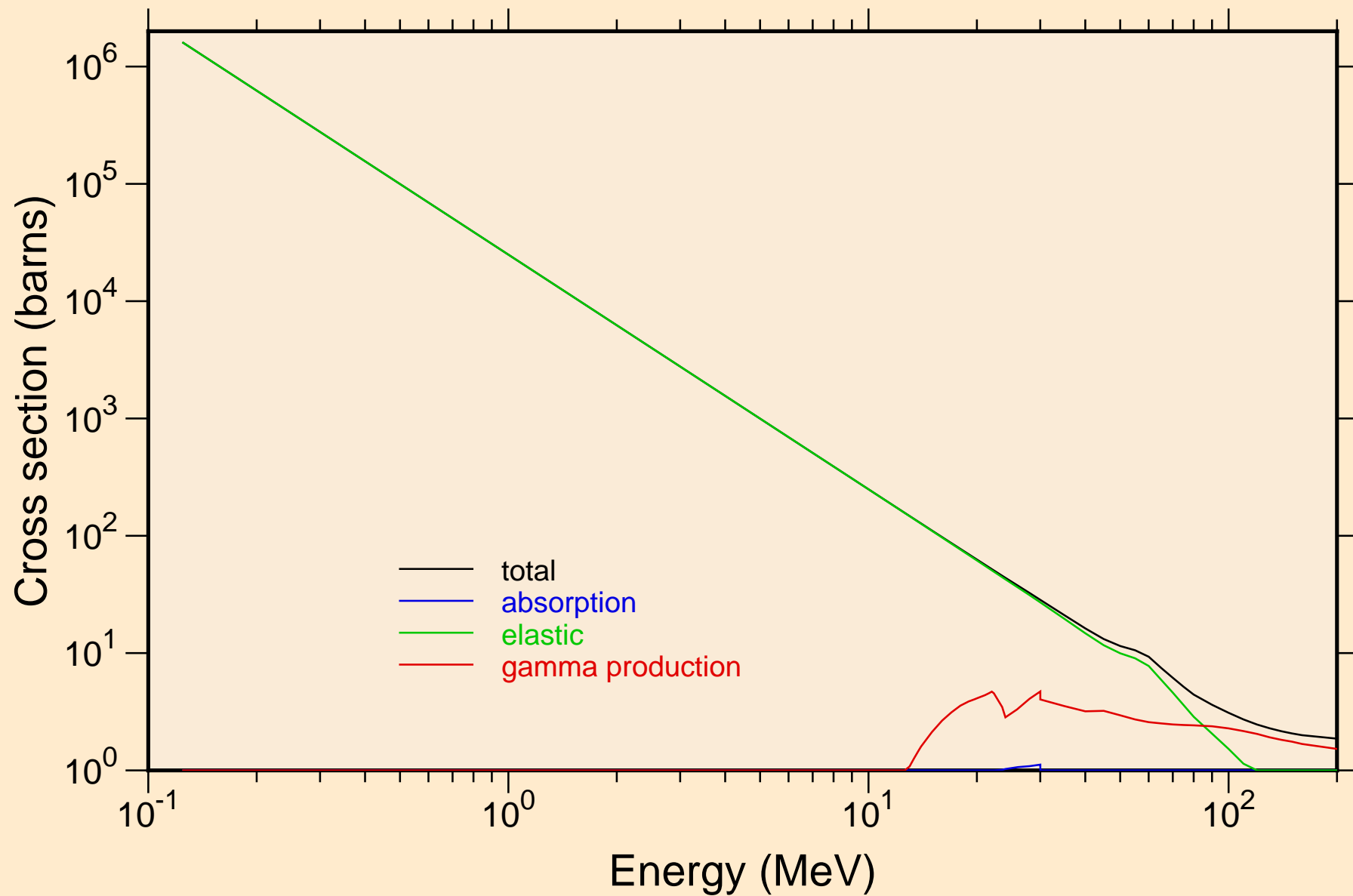


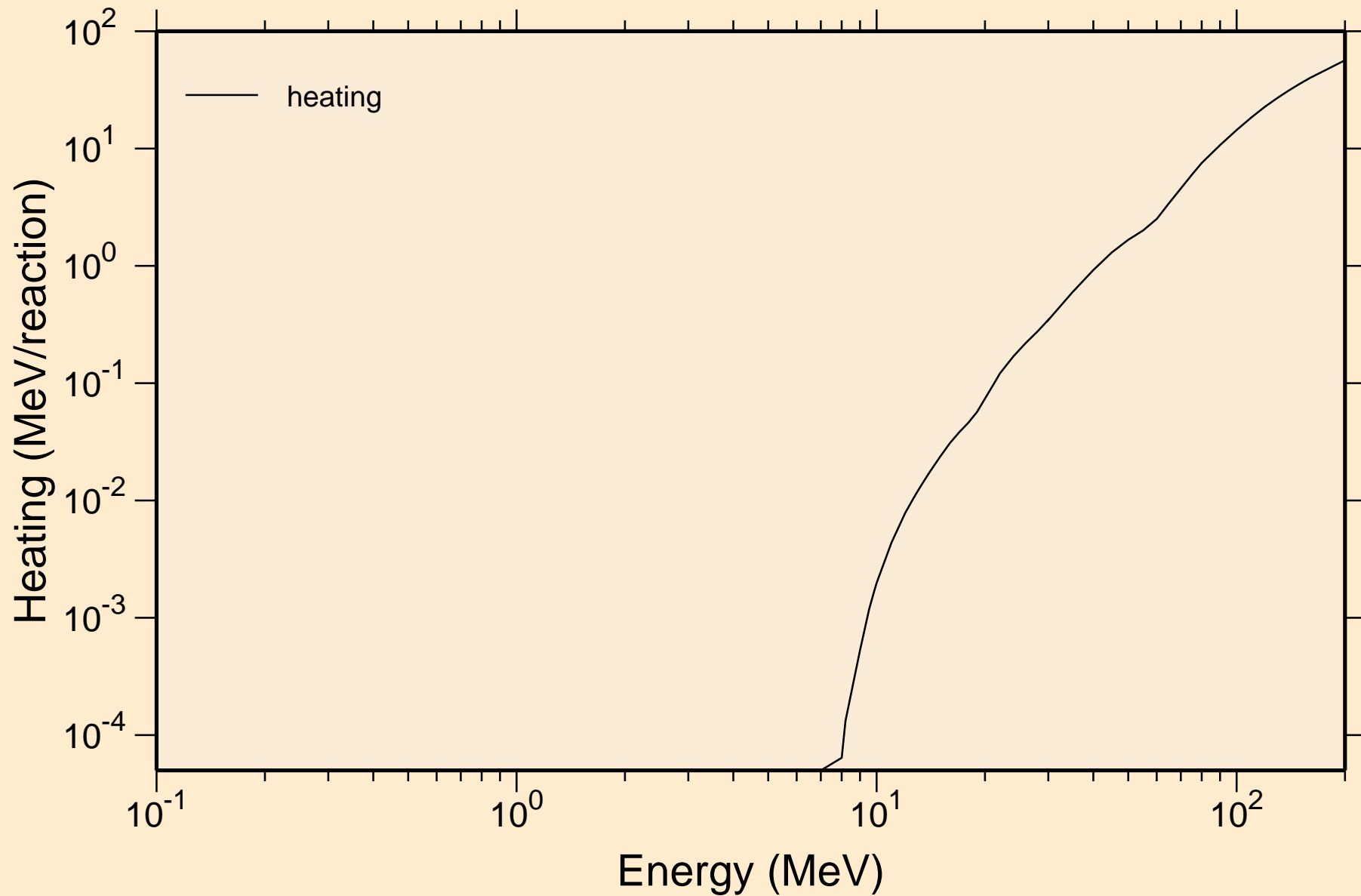
# ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



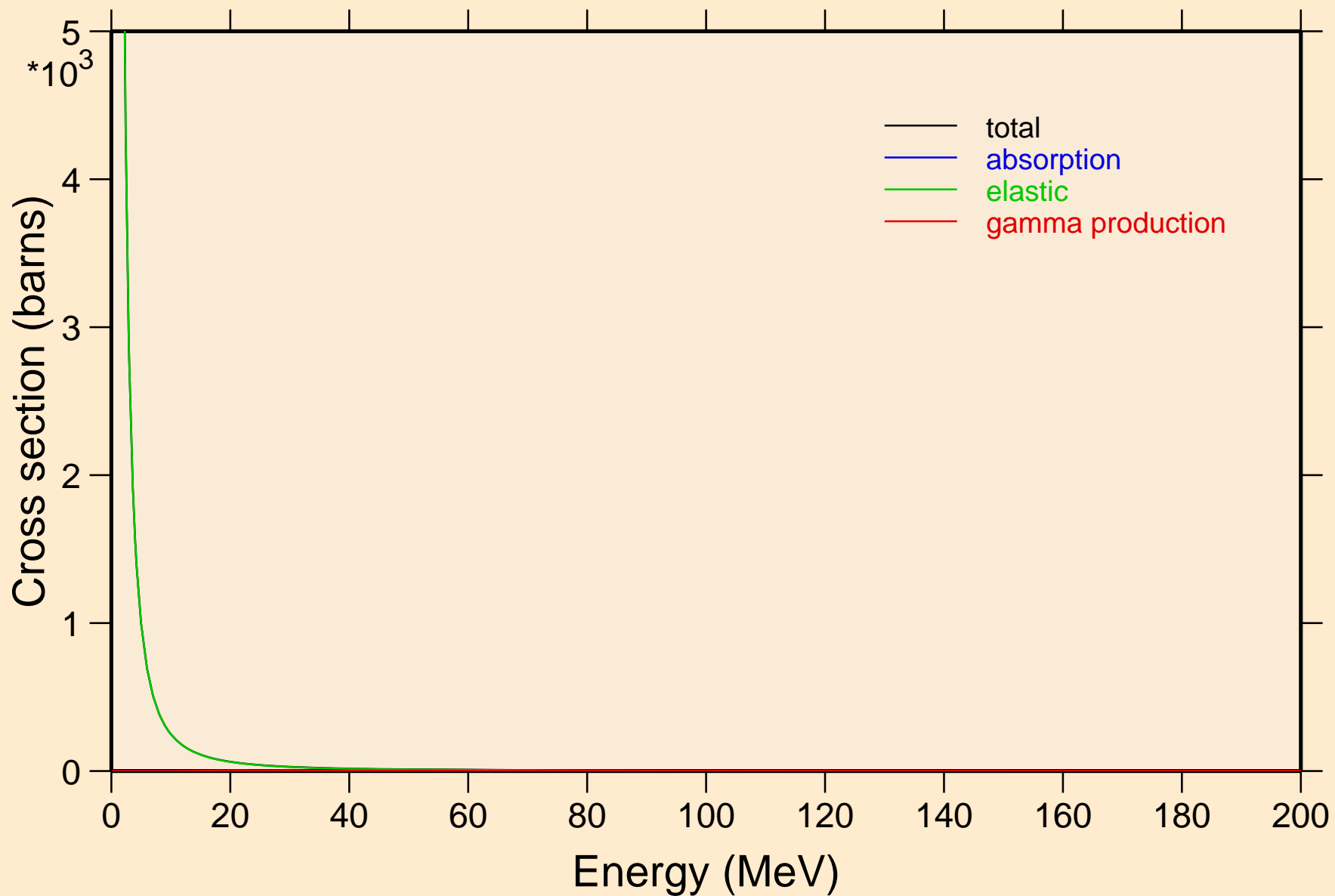
# ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Heating



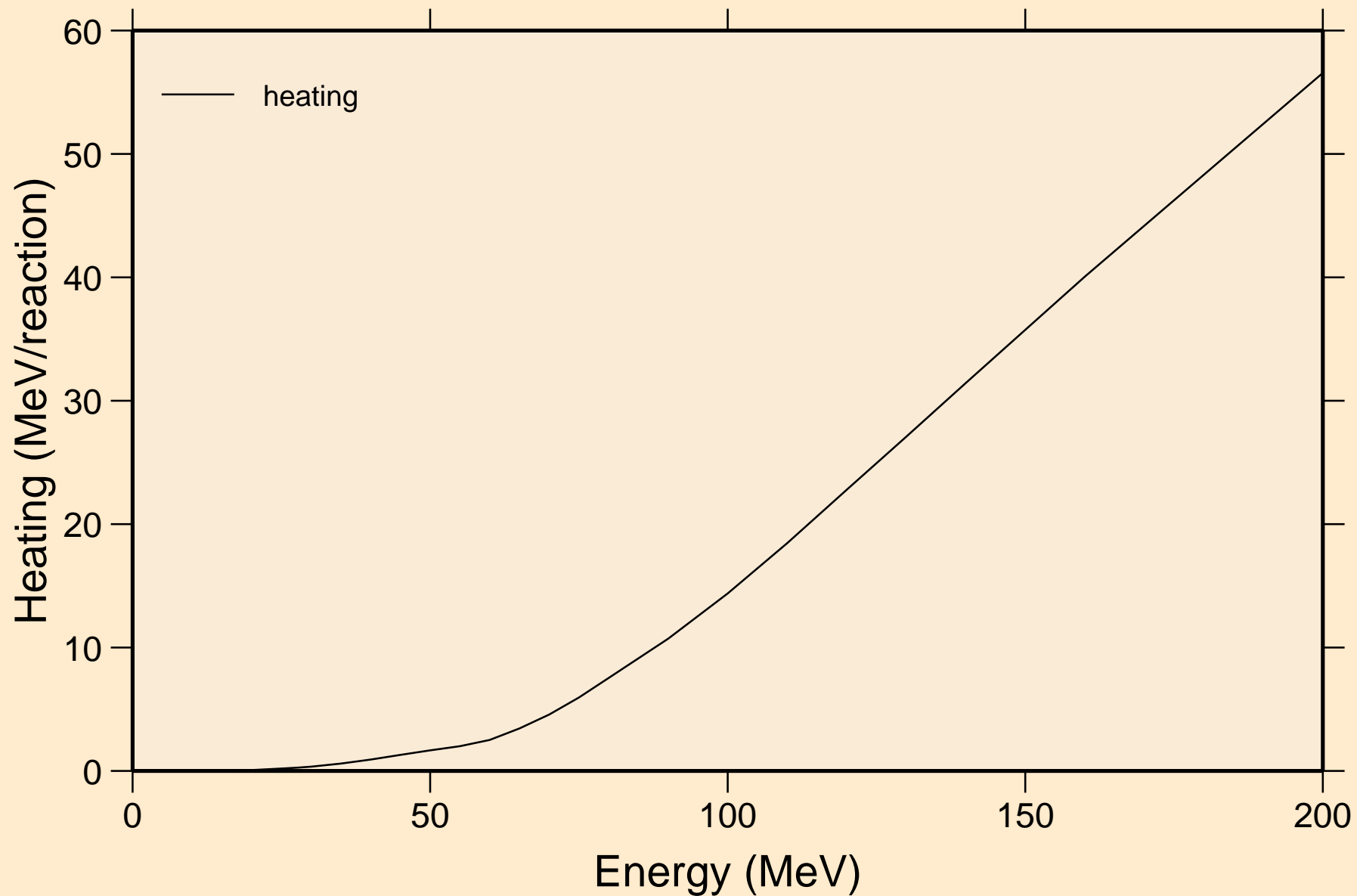
# ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



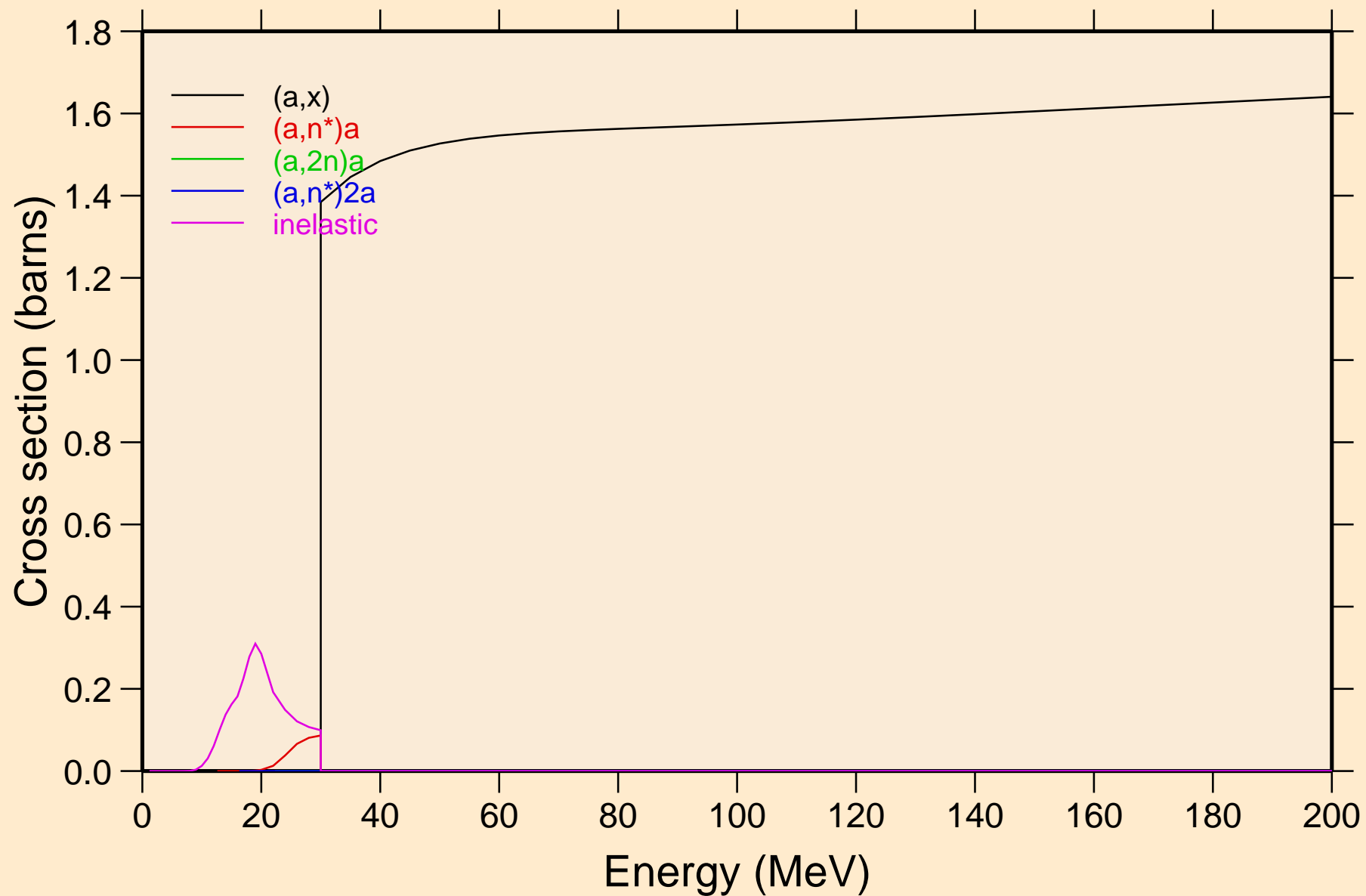
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Heating

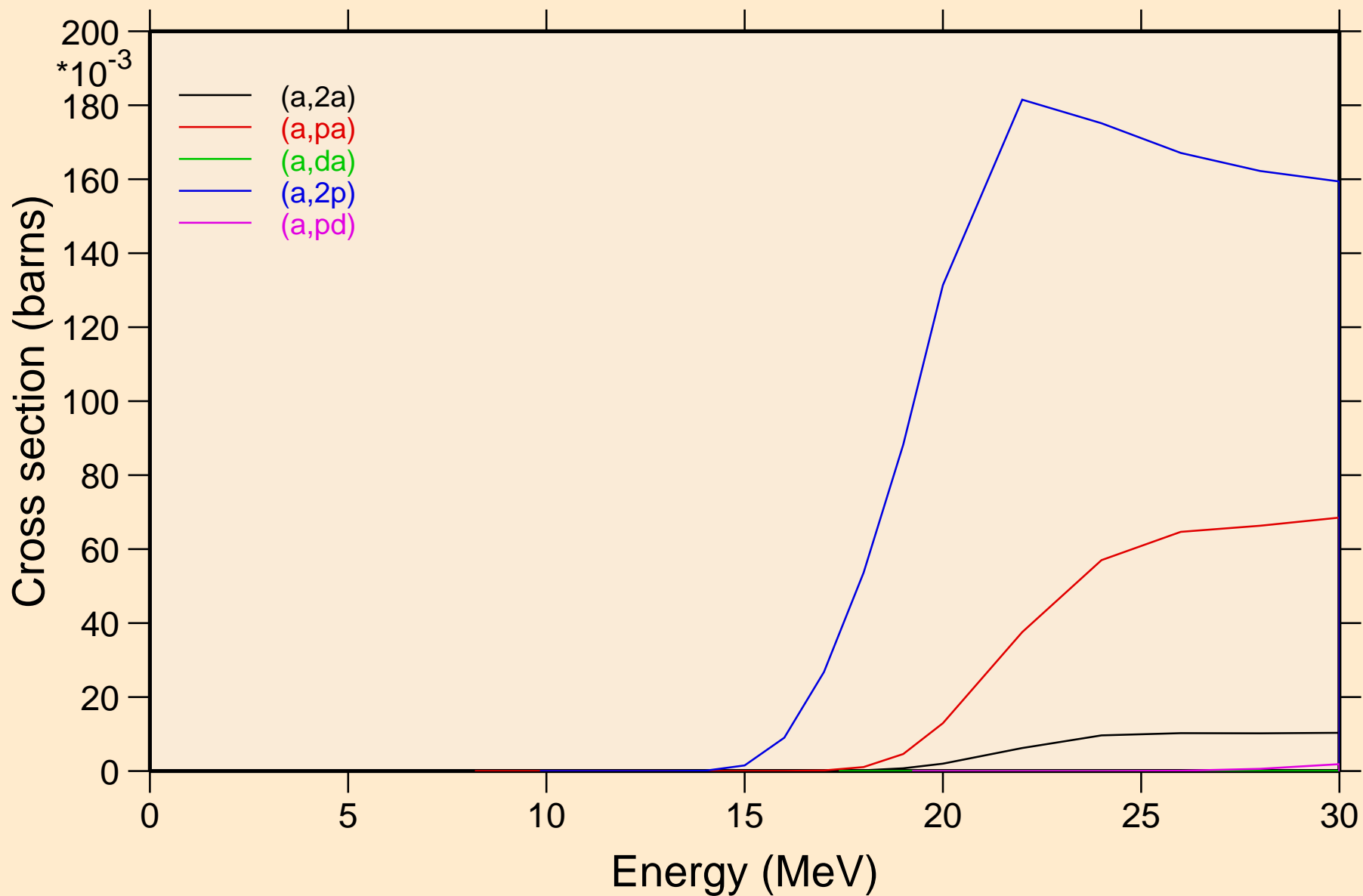


# ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

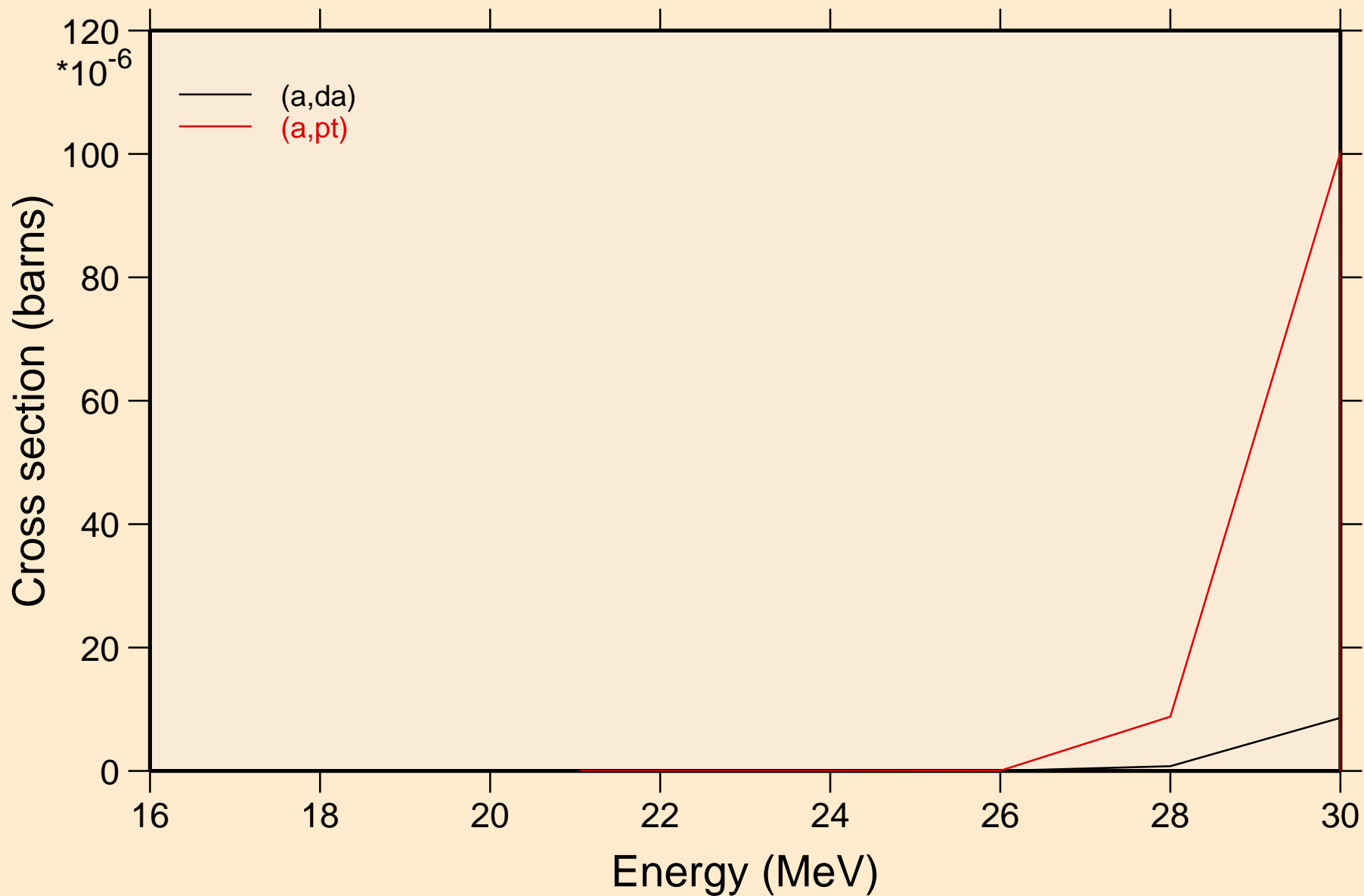
## Threshold reactions



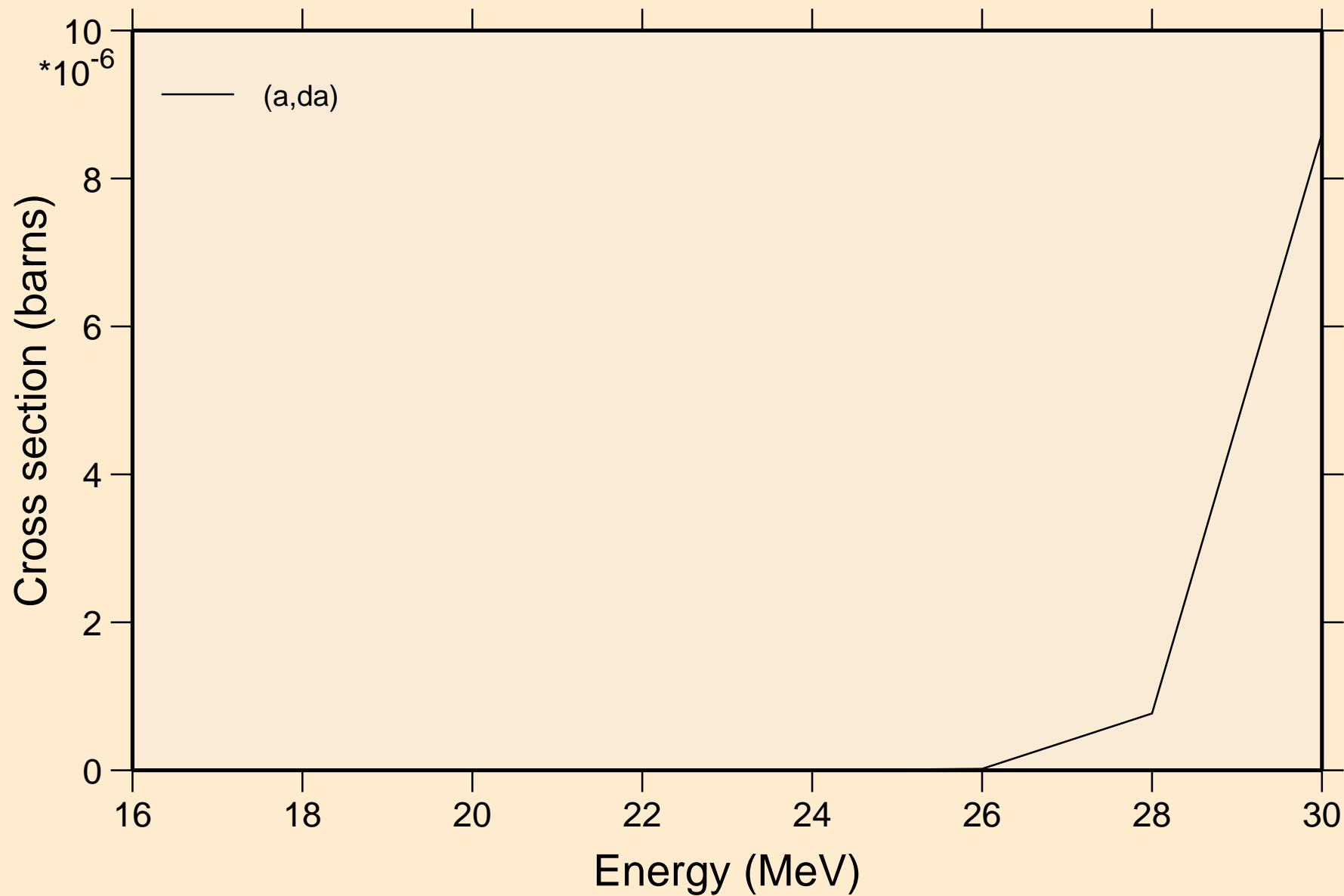
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

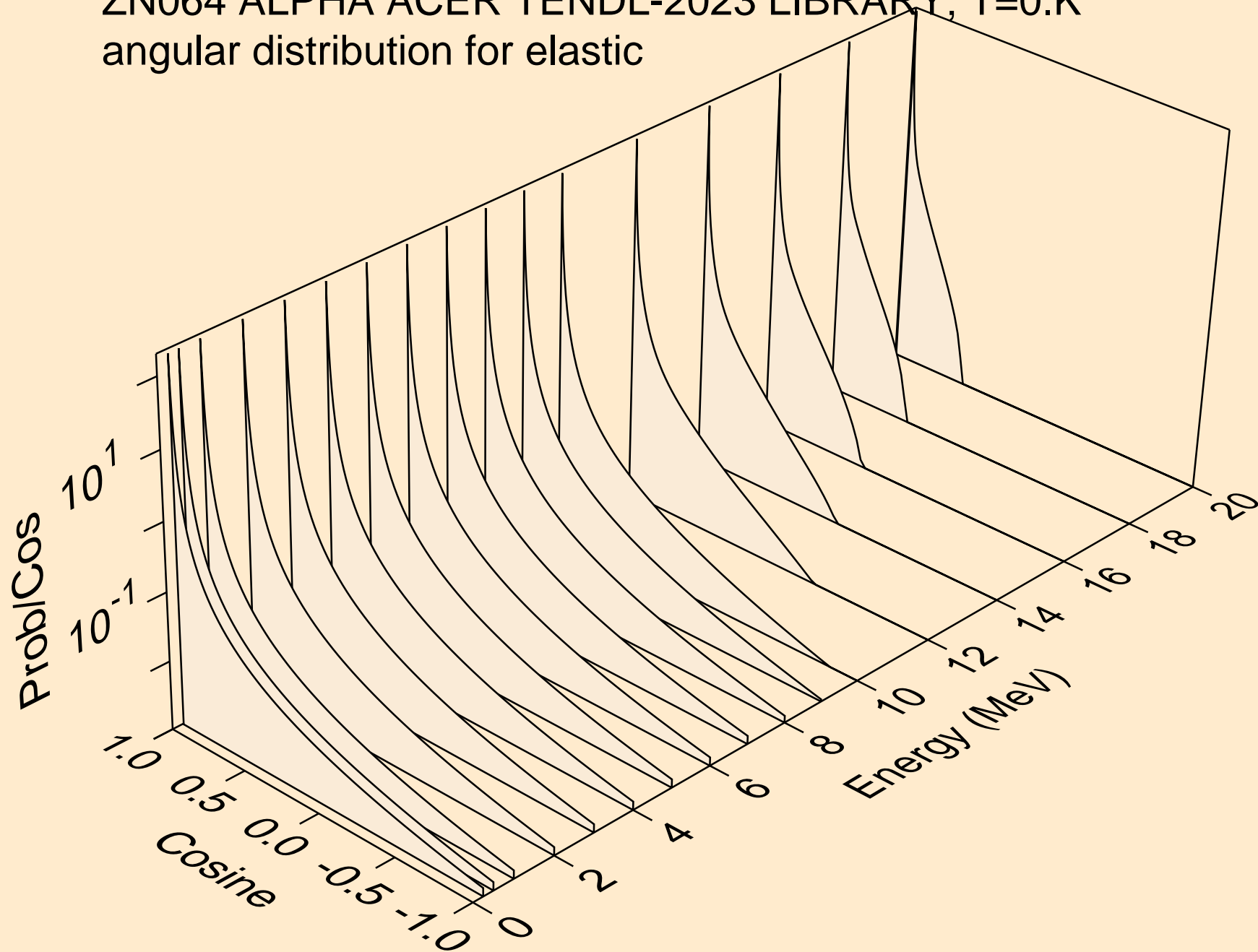


ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

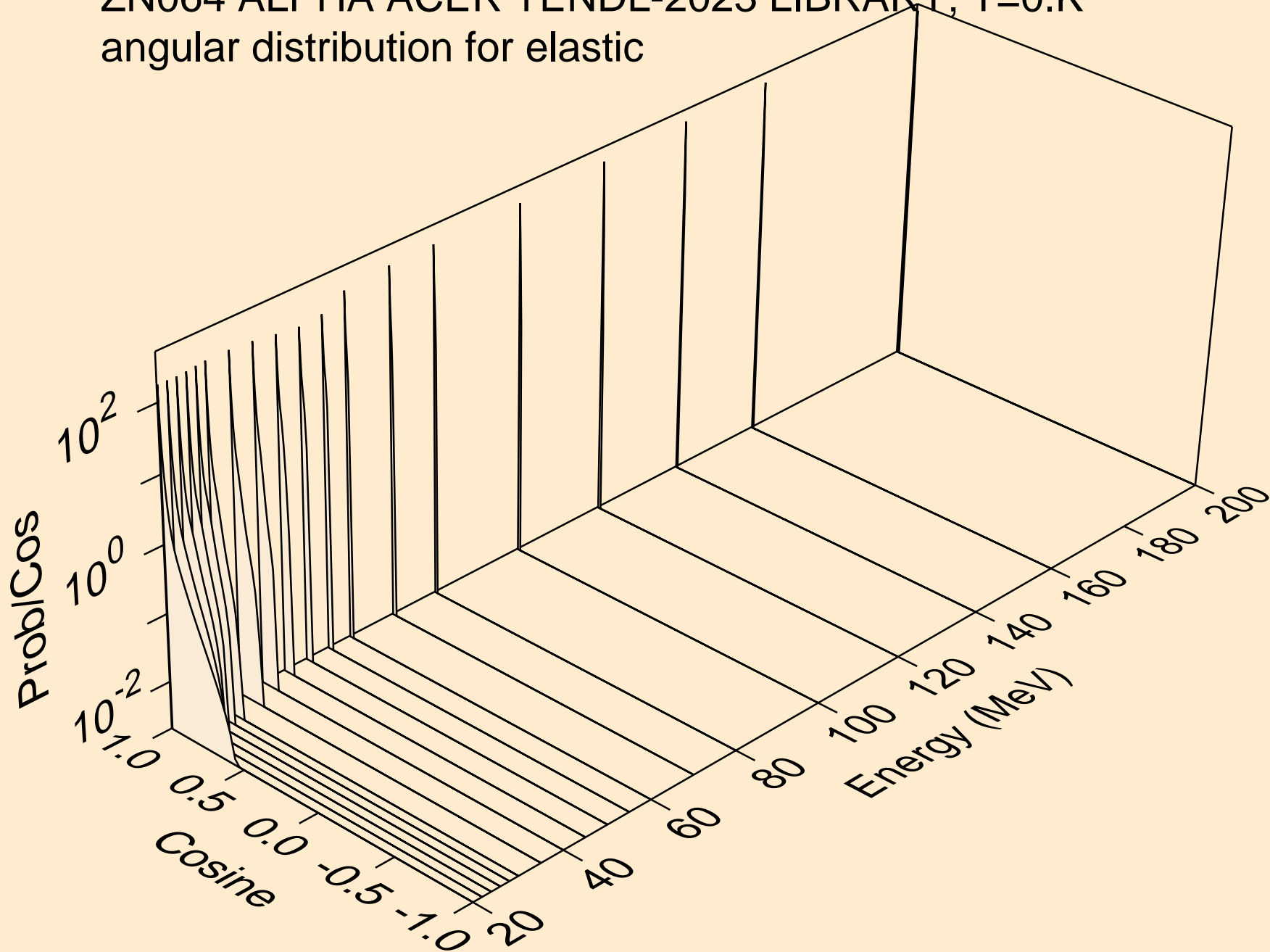




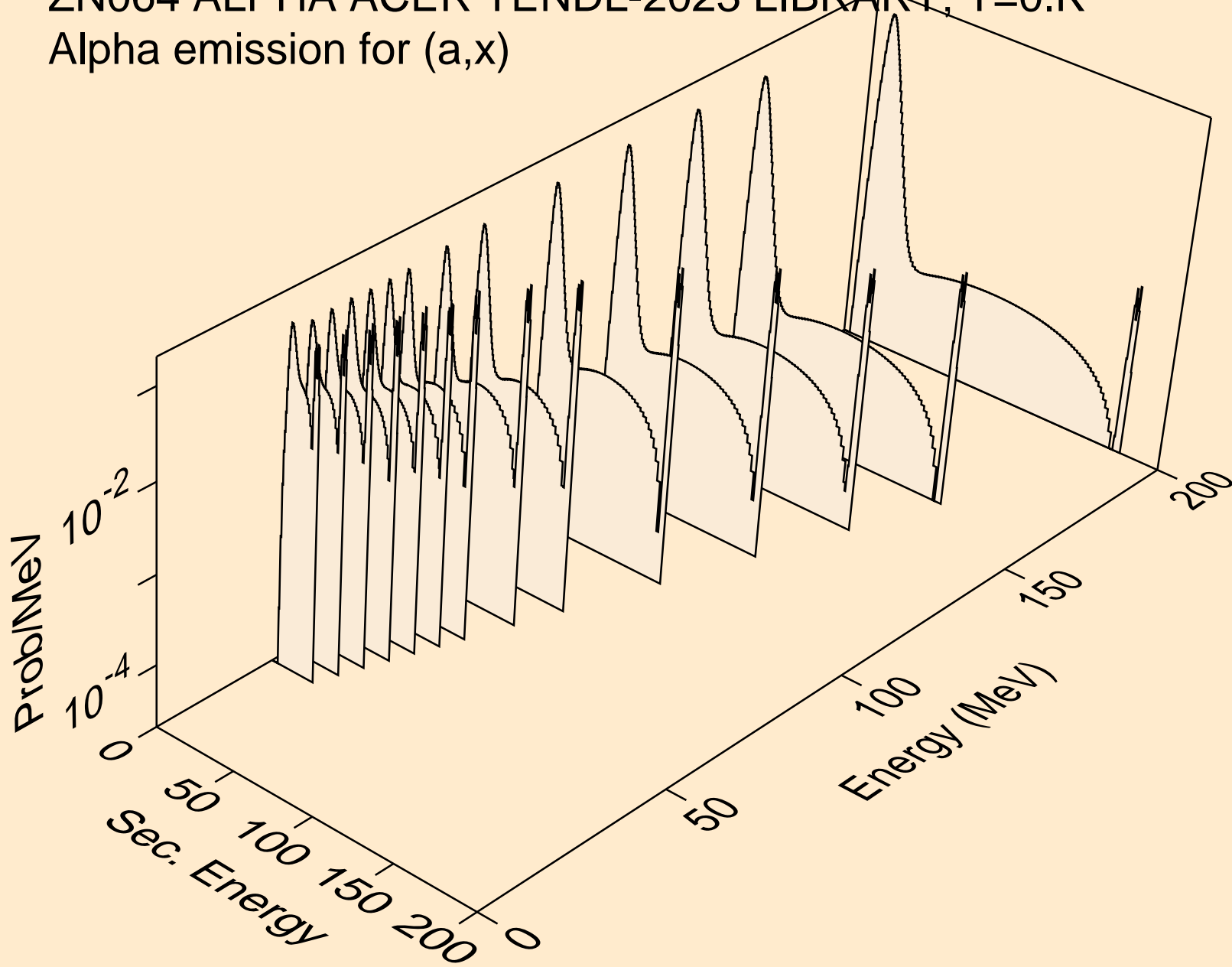
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



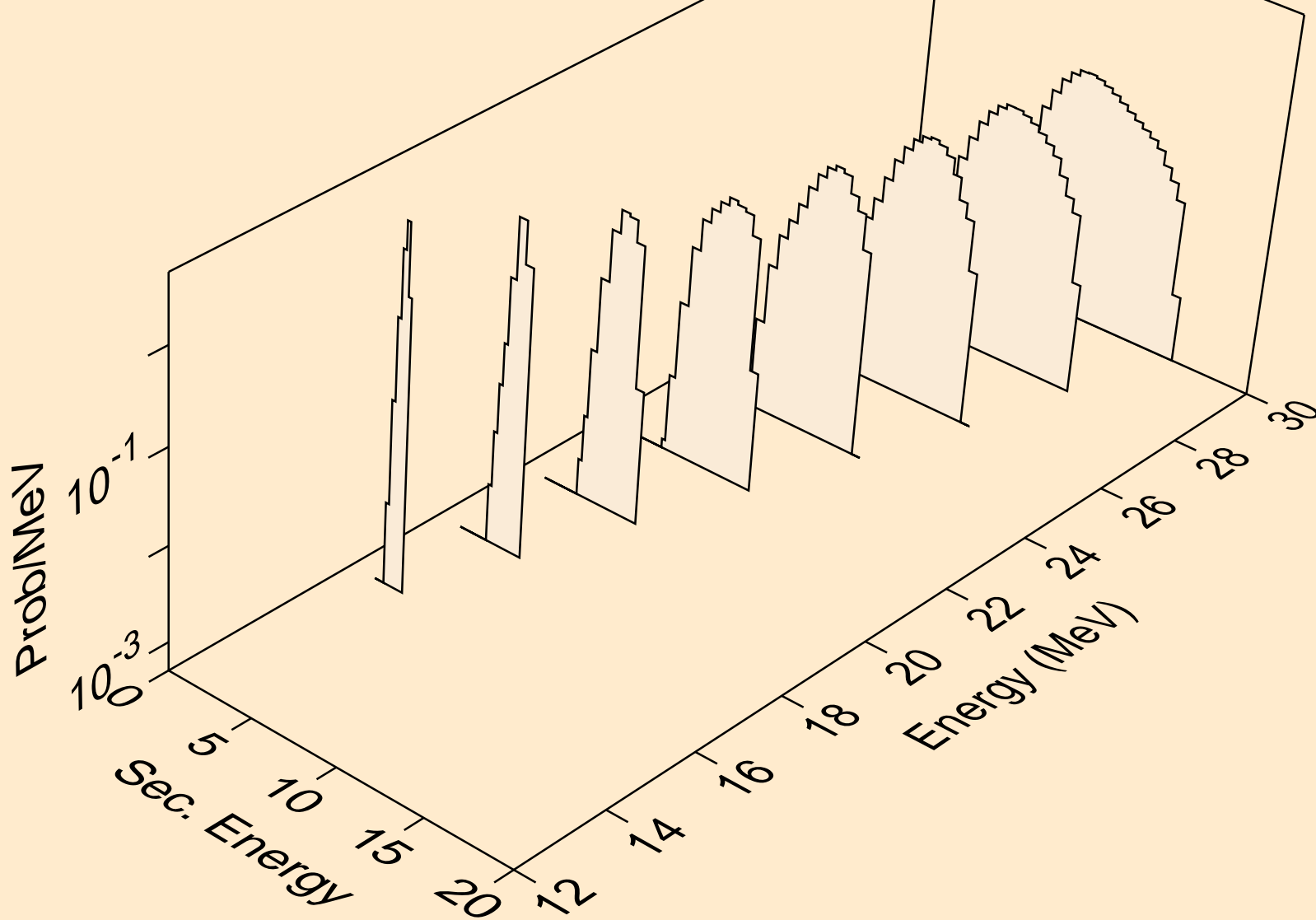
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



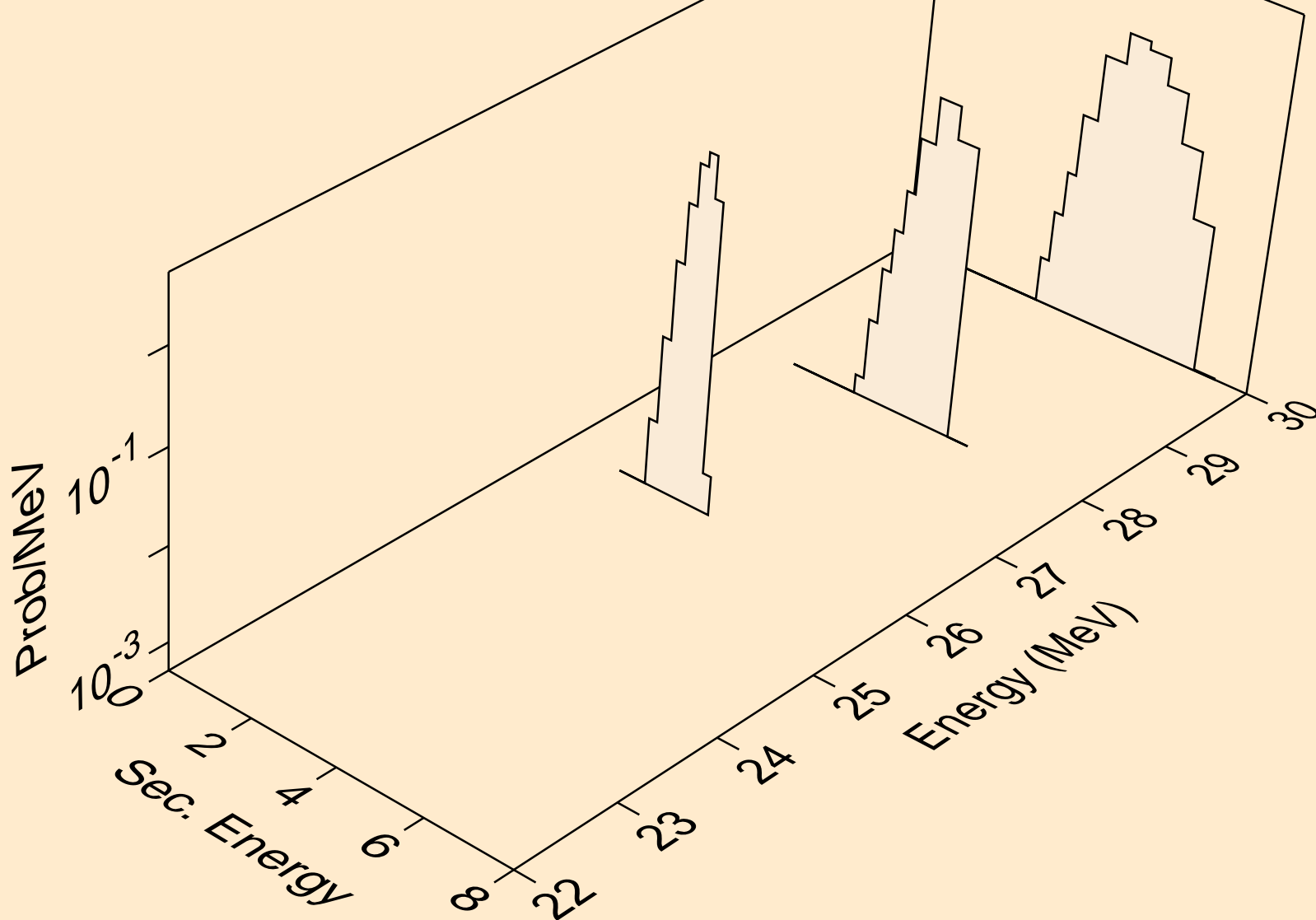
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,x)



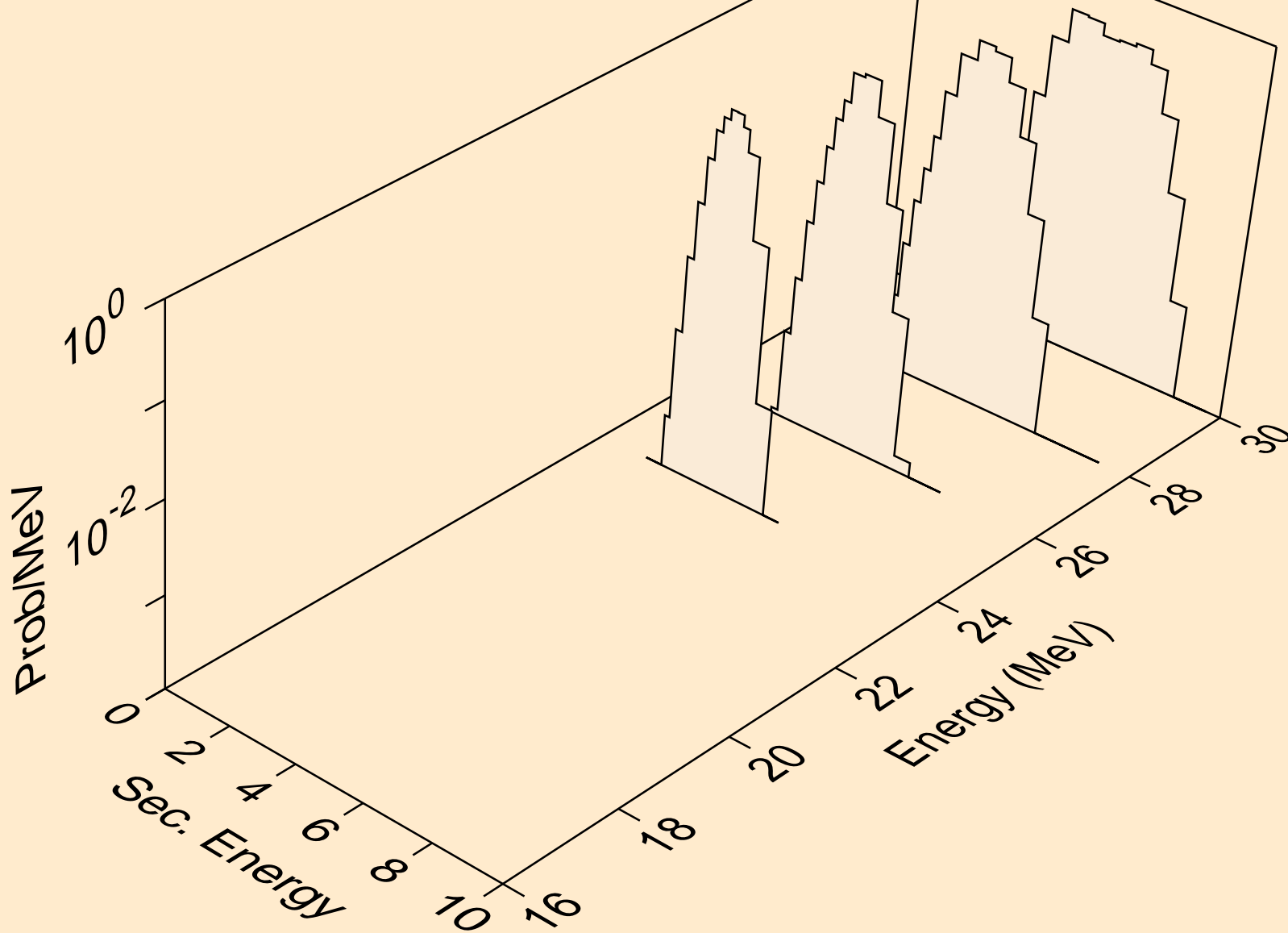
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a



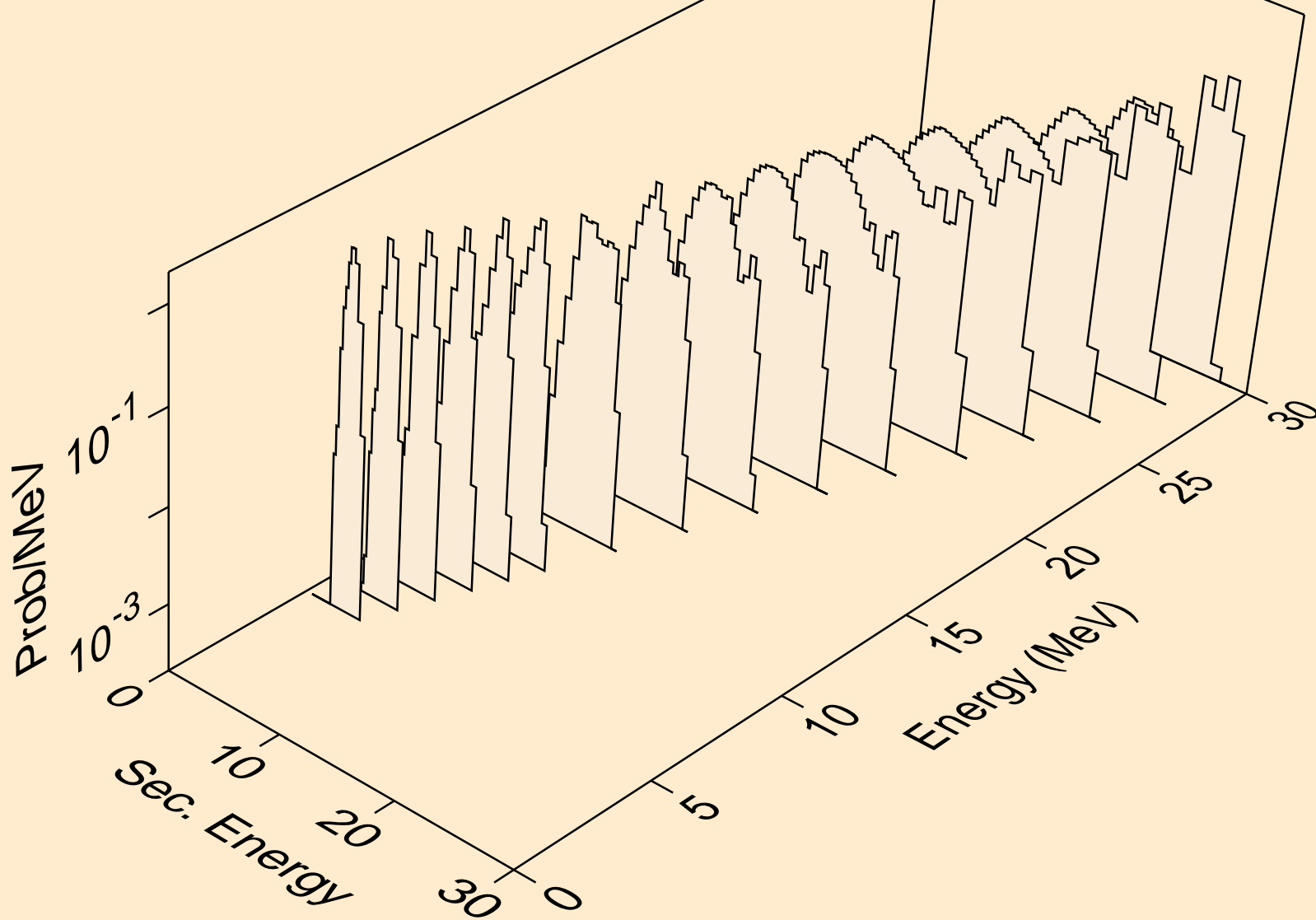
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2n)a



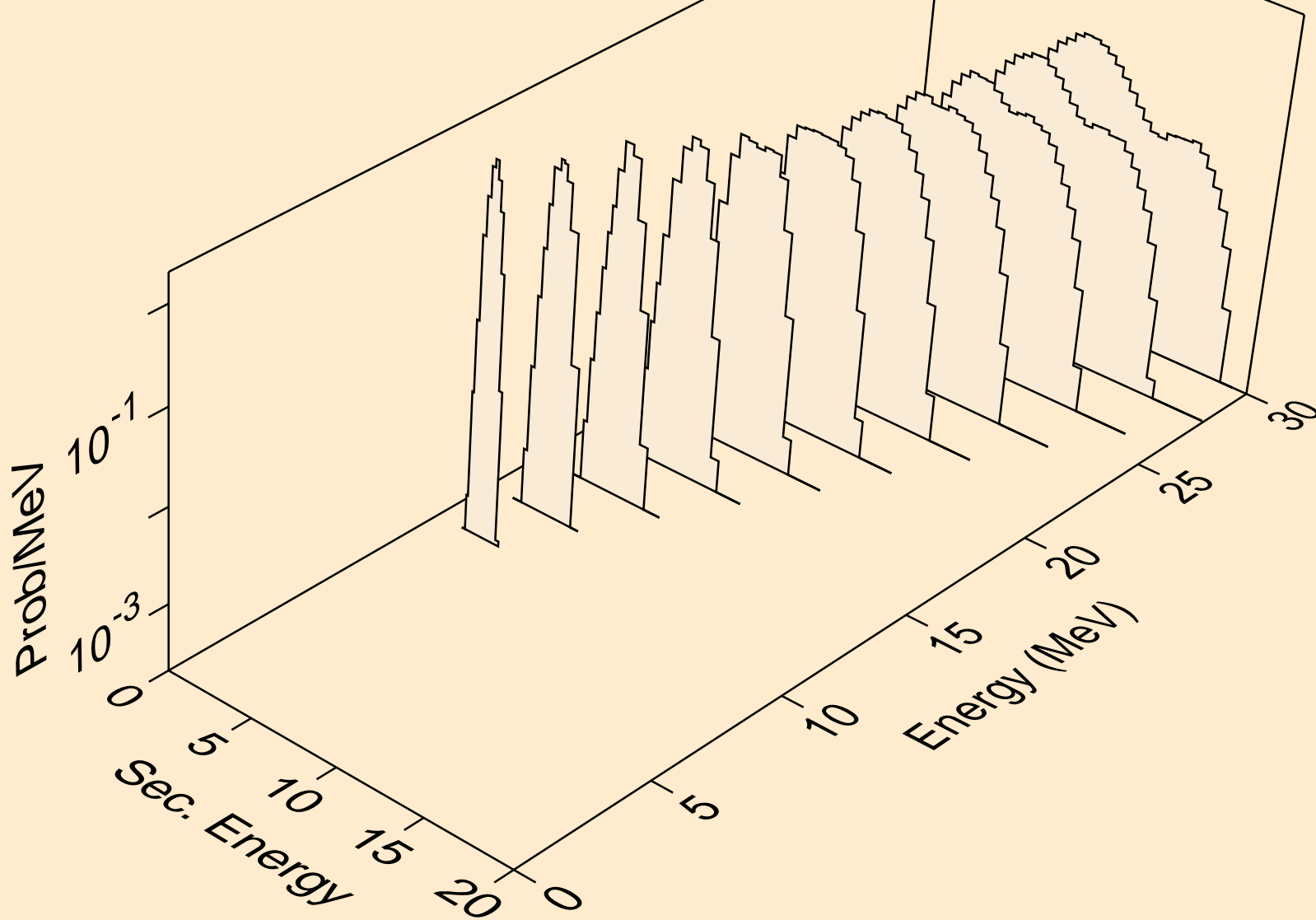
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,n\*)2a



ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for inelastic

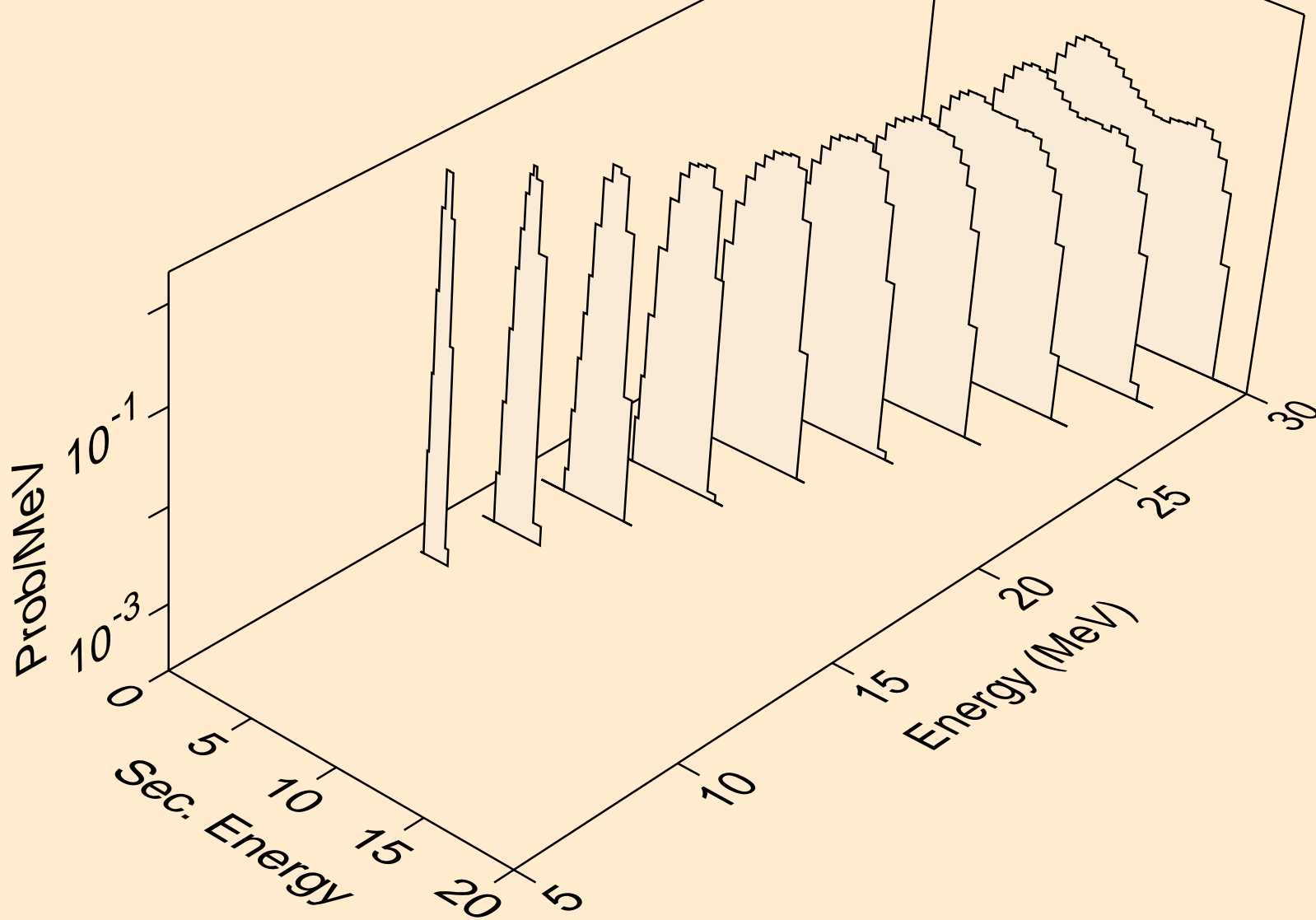


ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2a)

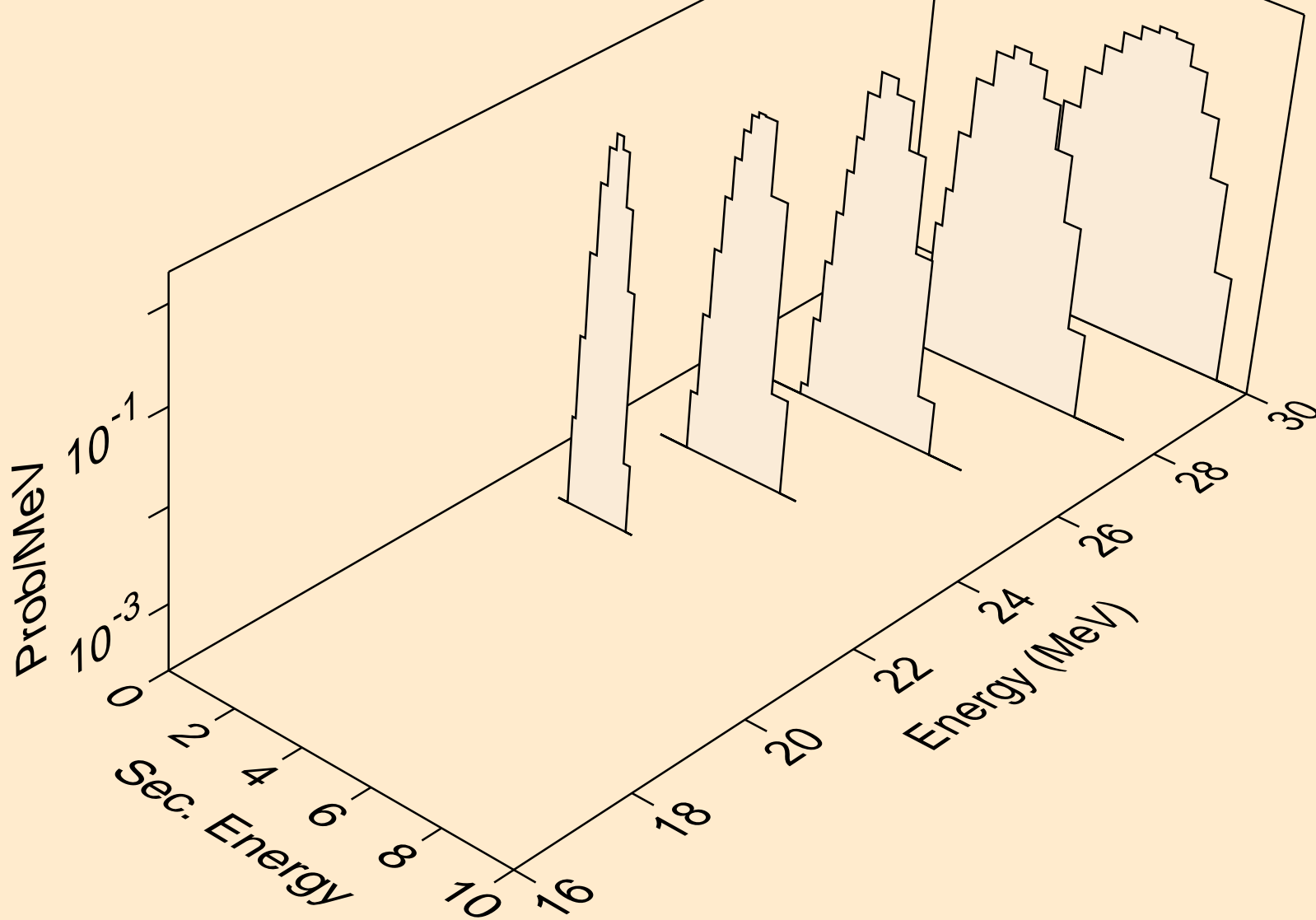




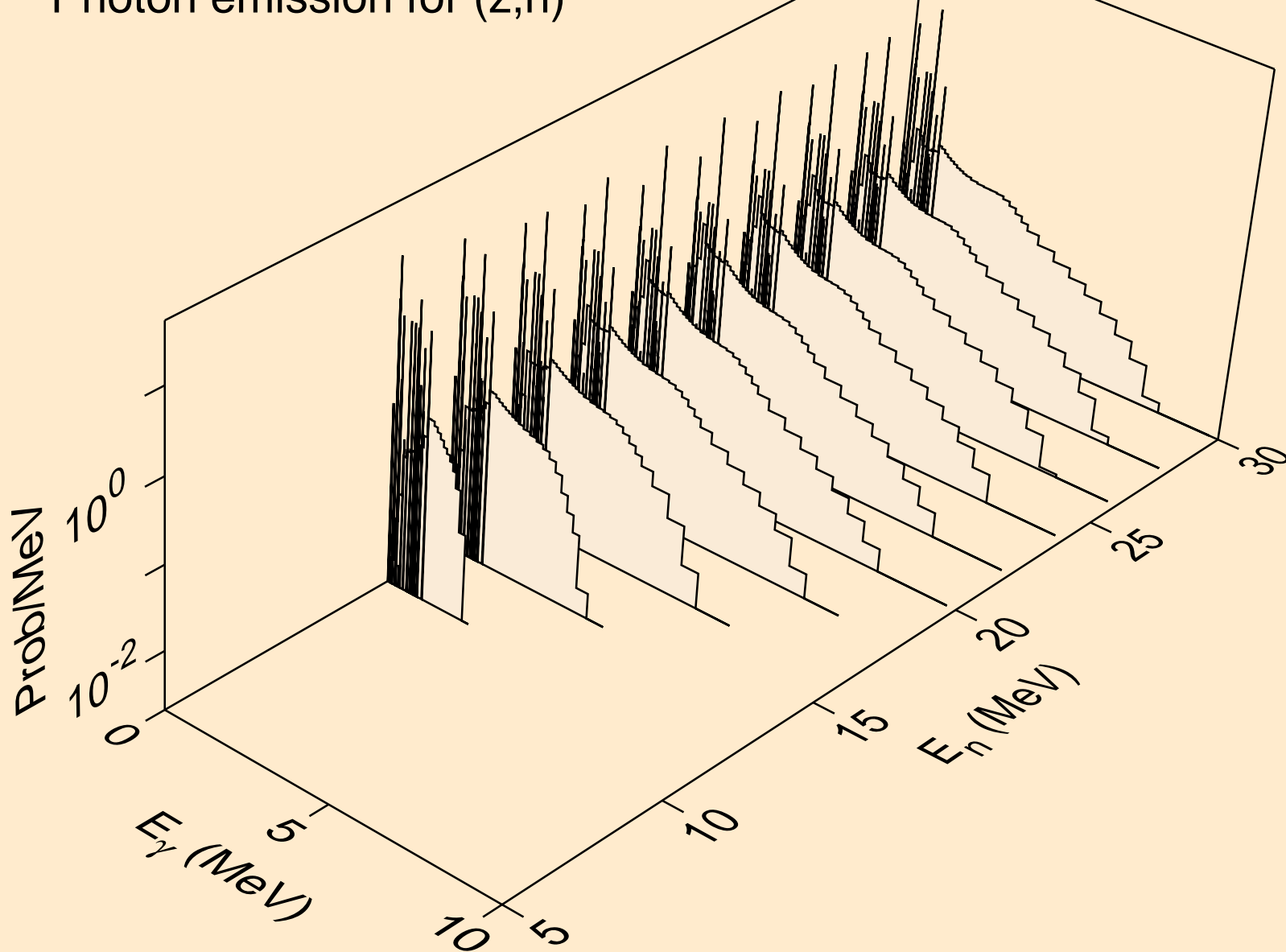
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,pa)



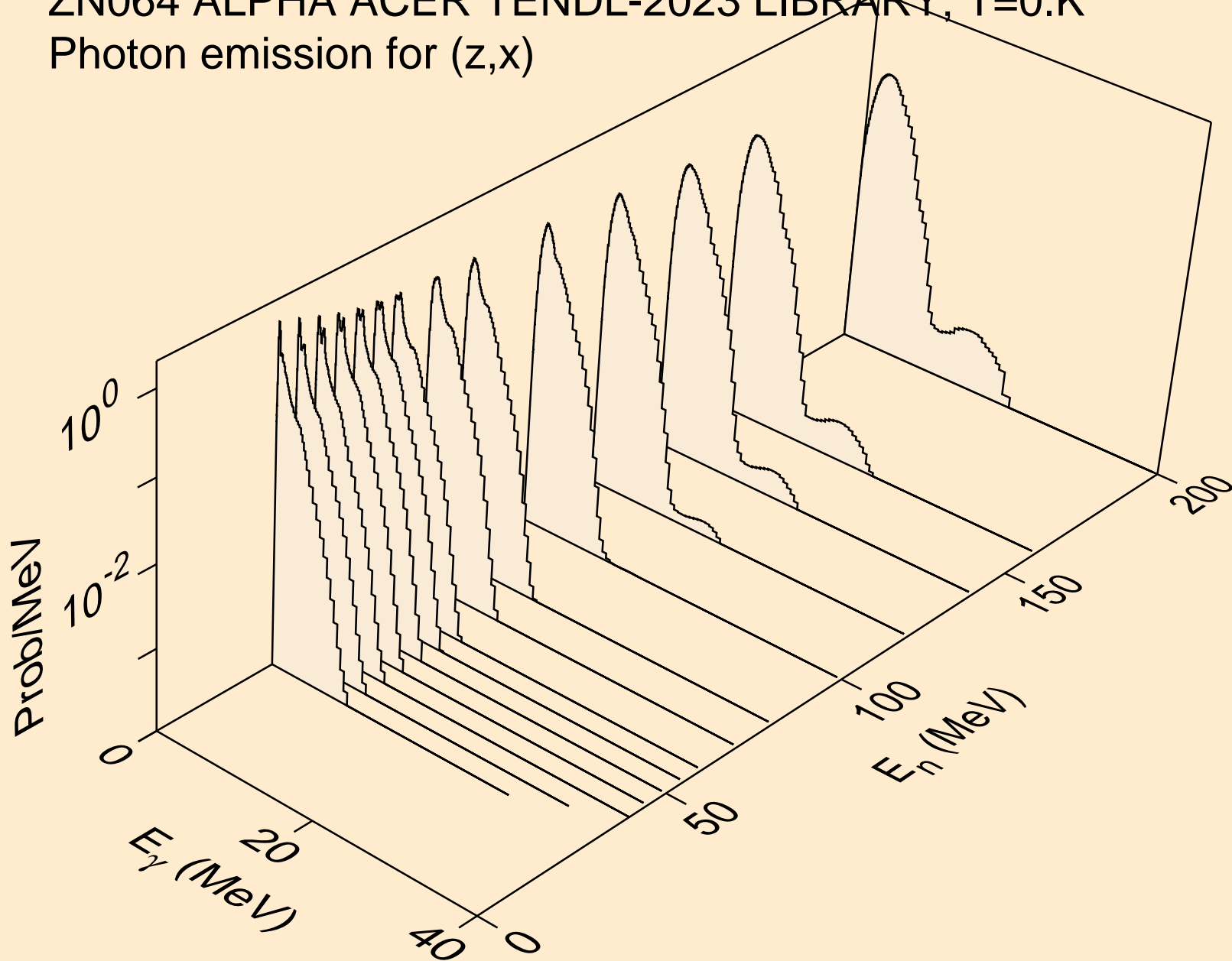
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,da)



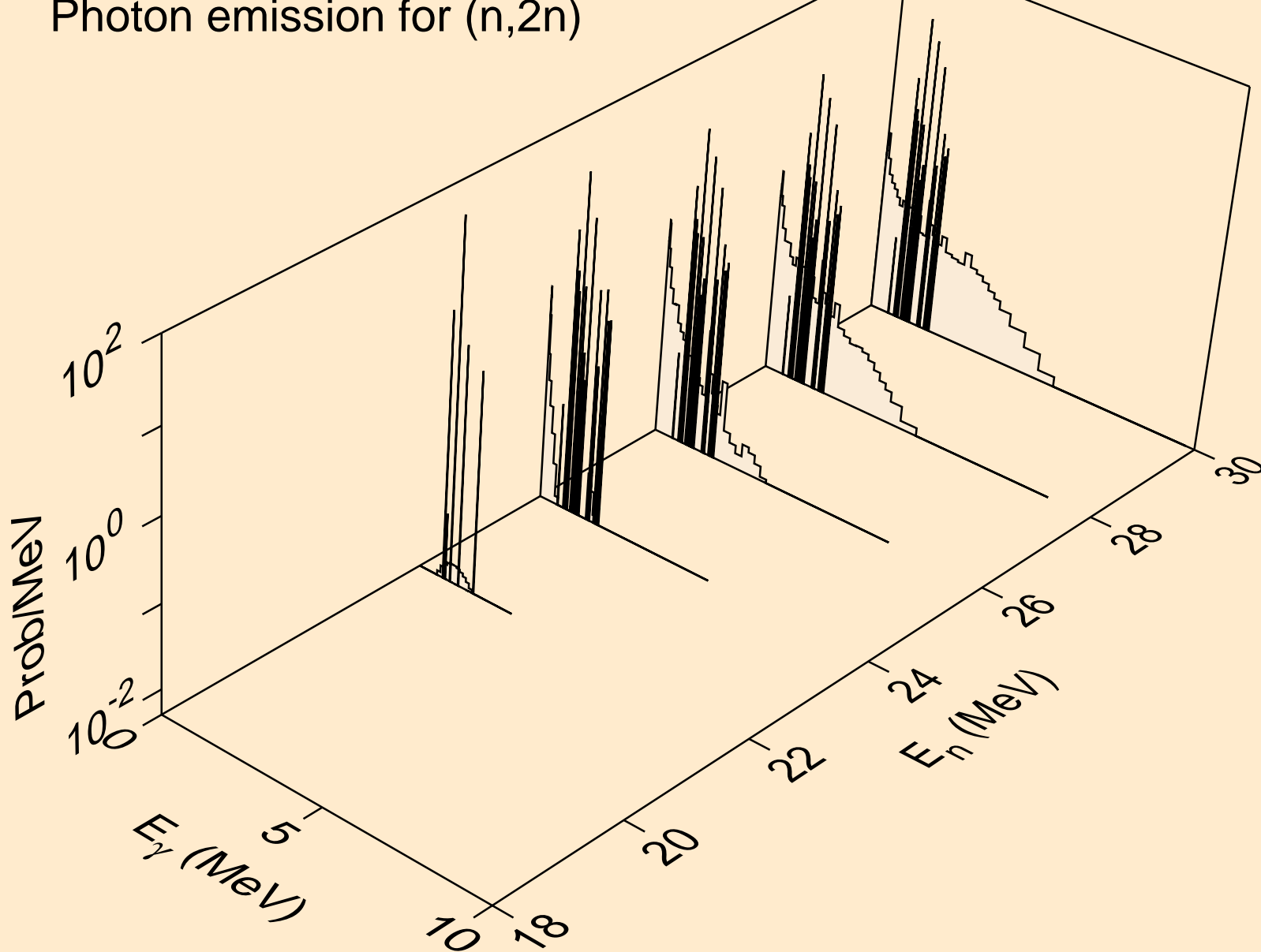
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



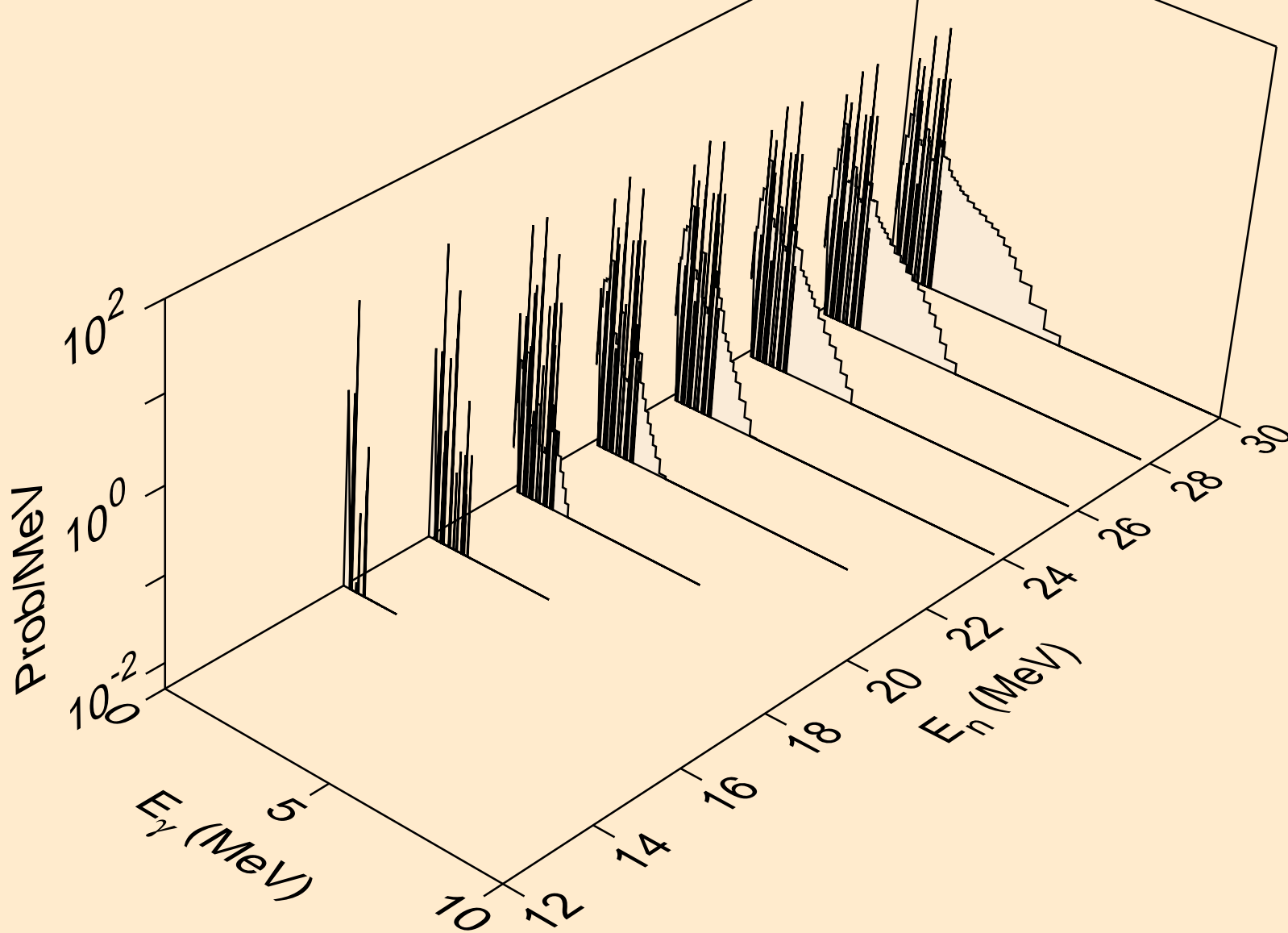
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



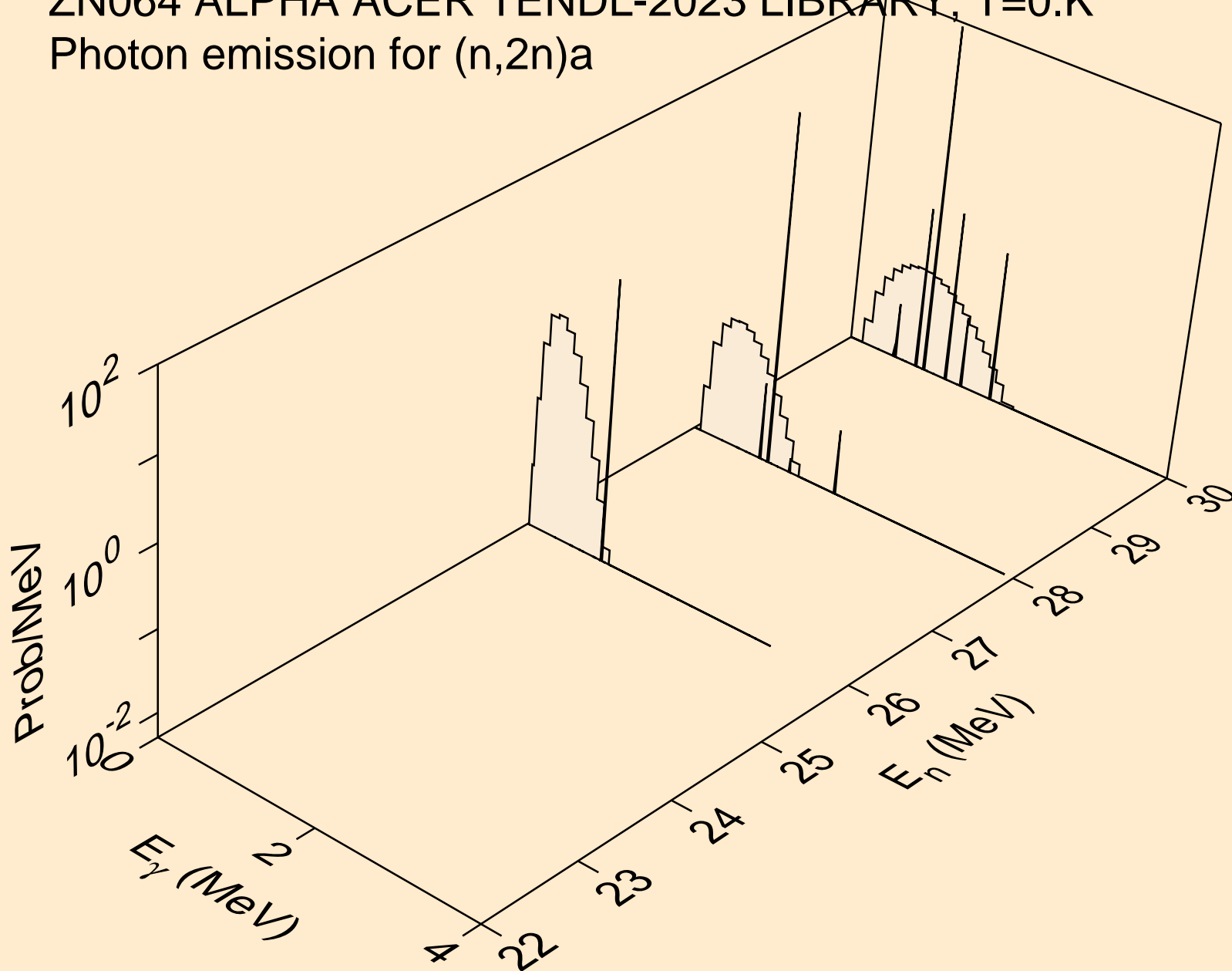
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



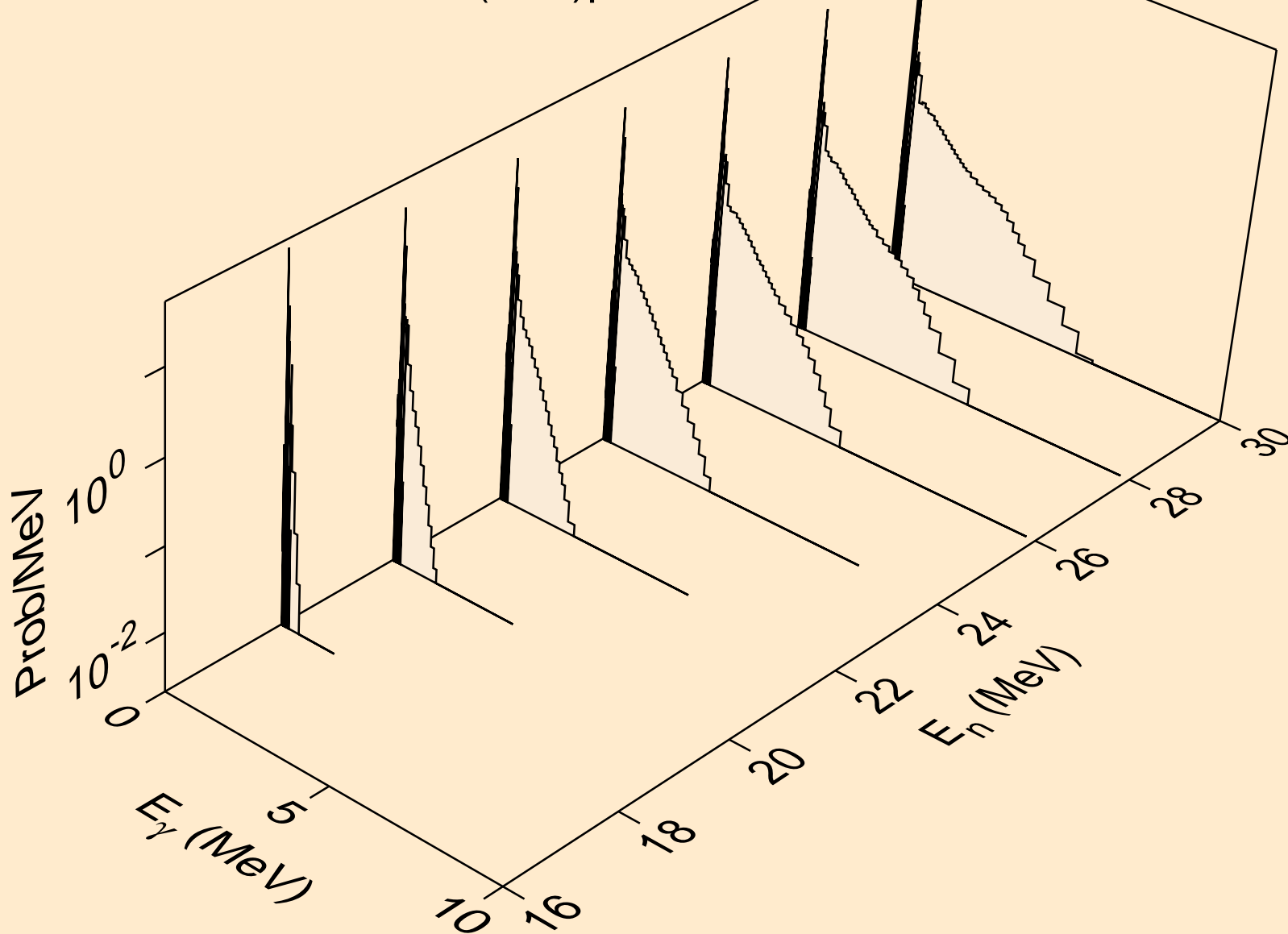
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

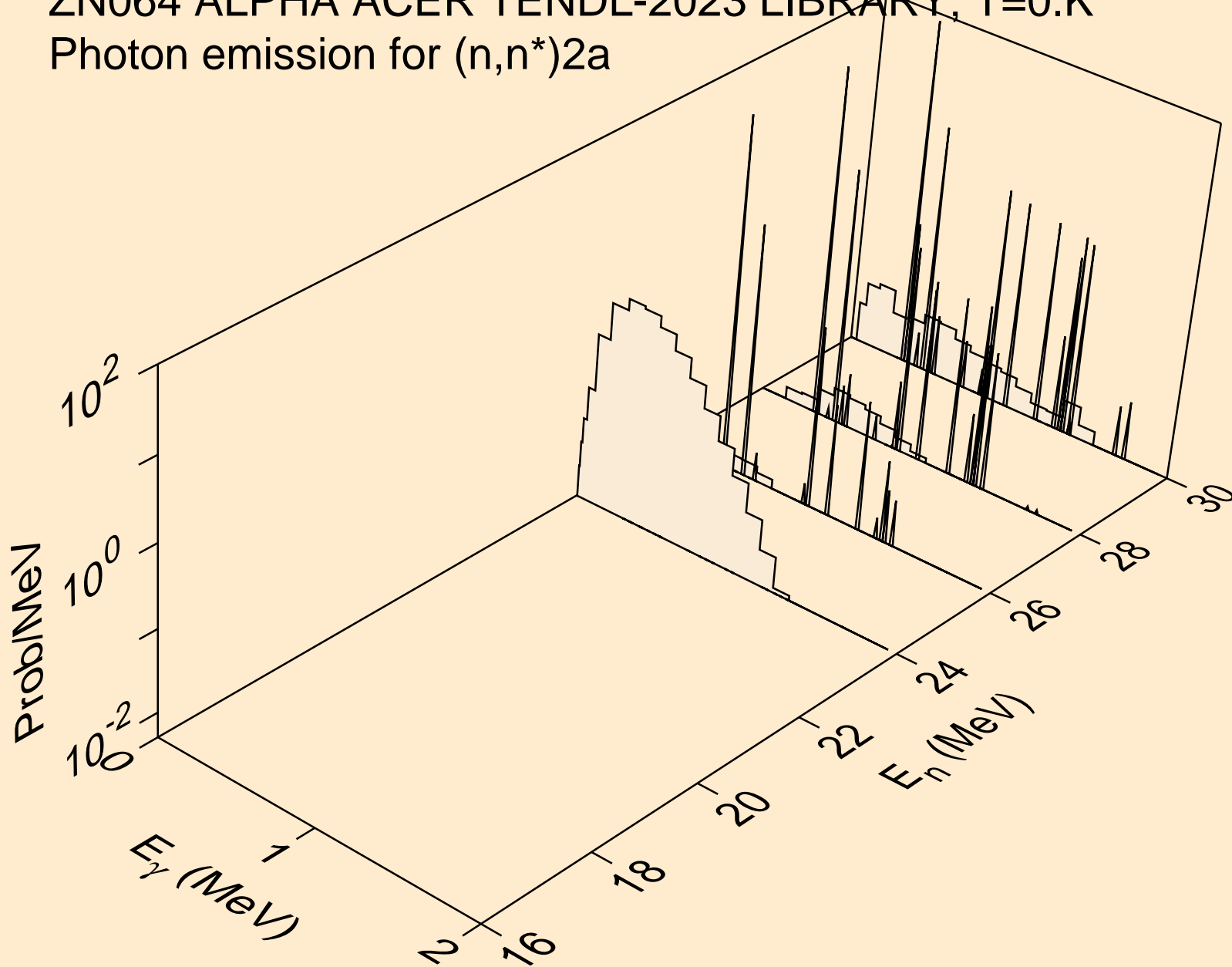


ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

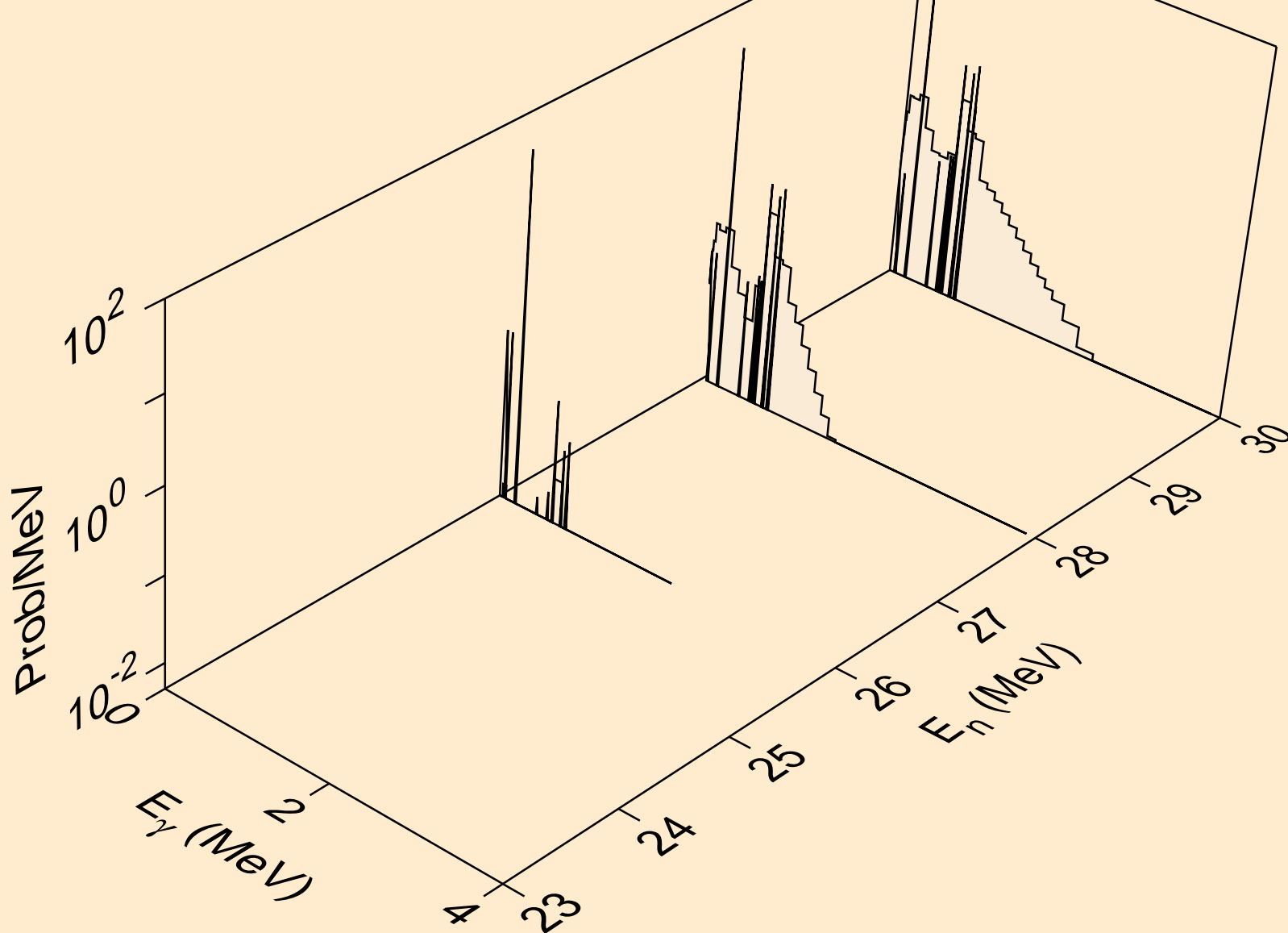




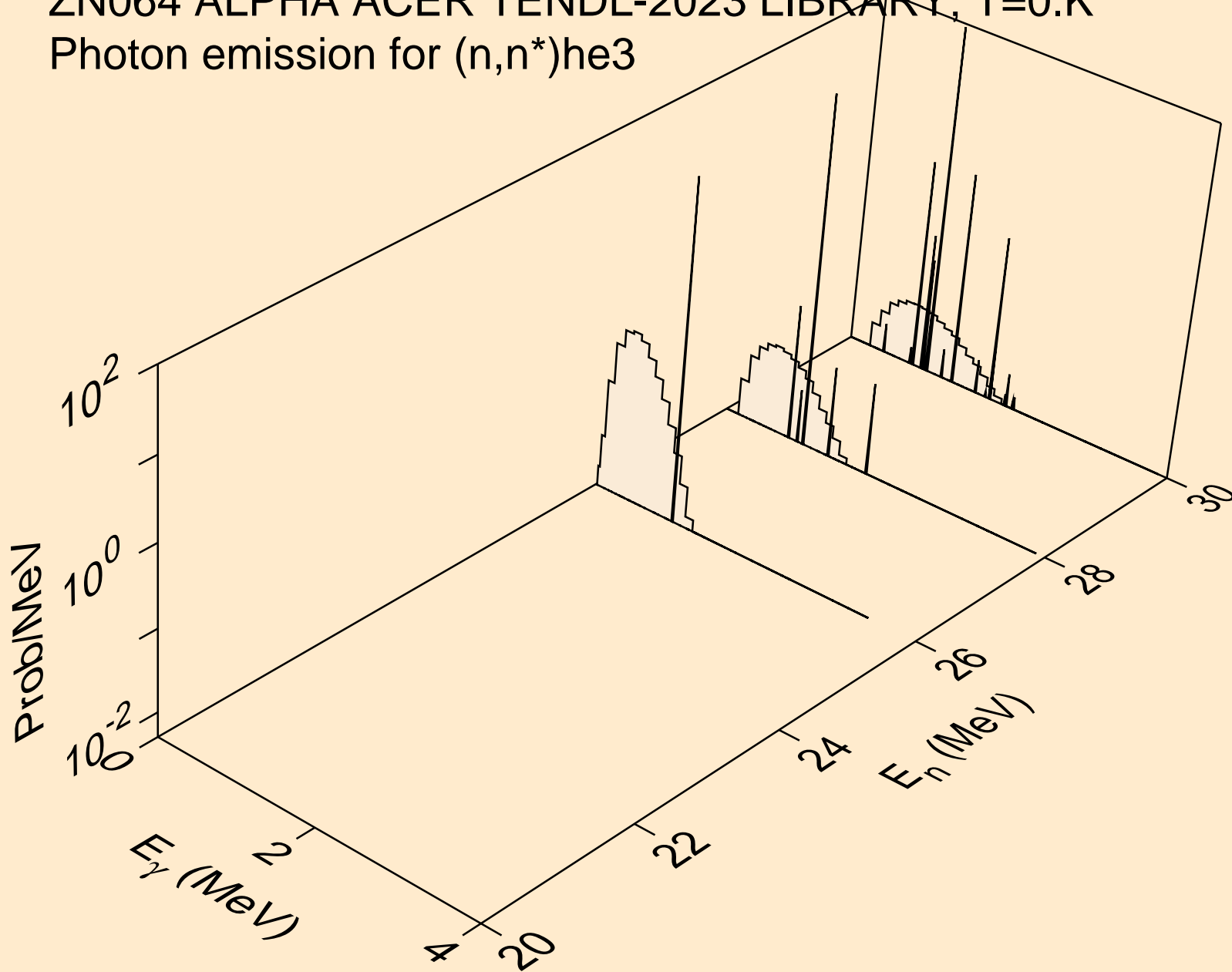
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



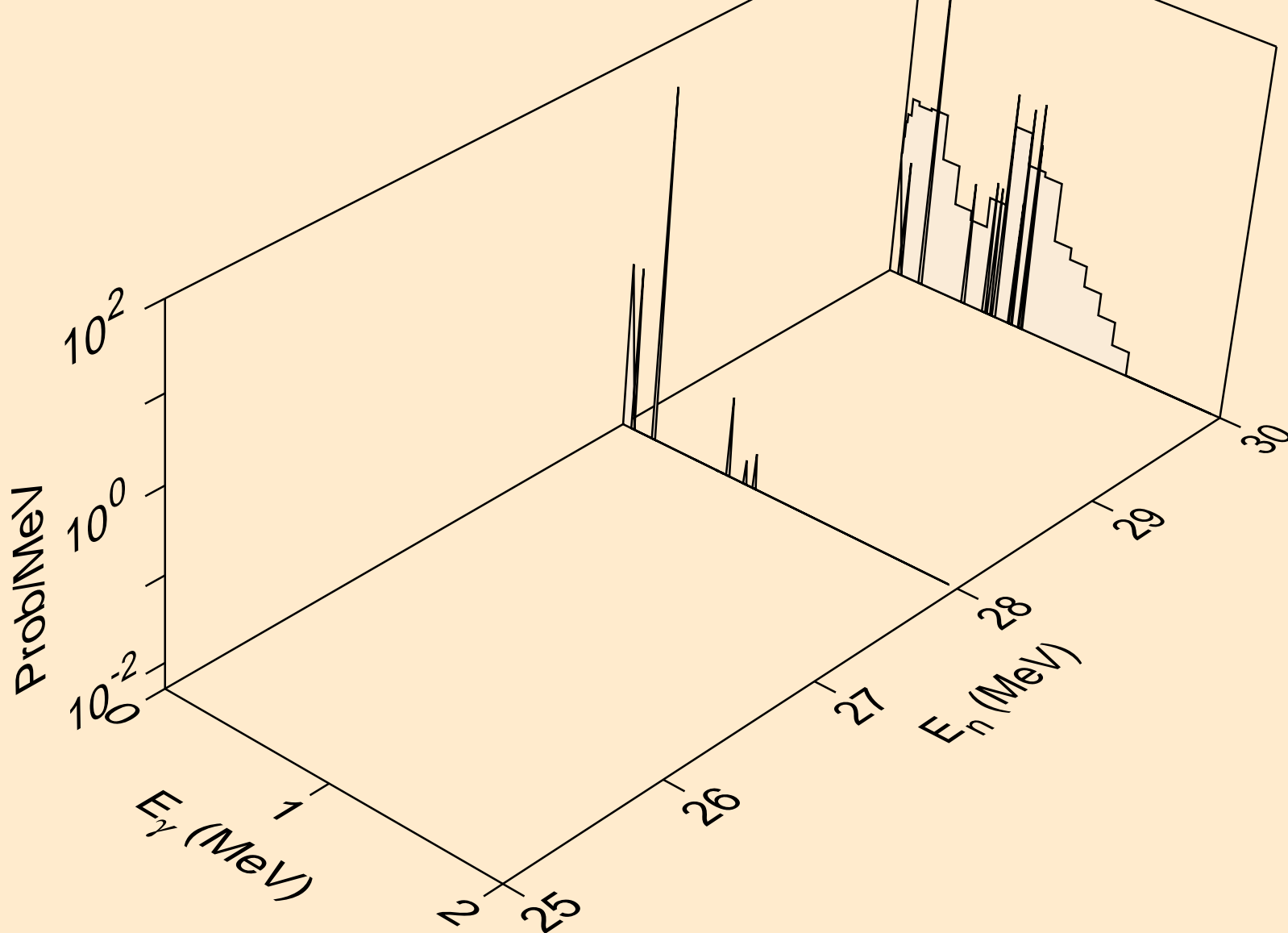
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



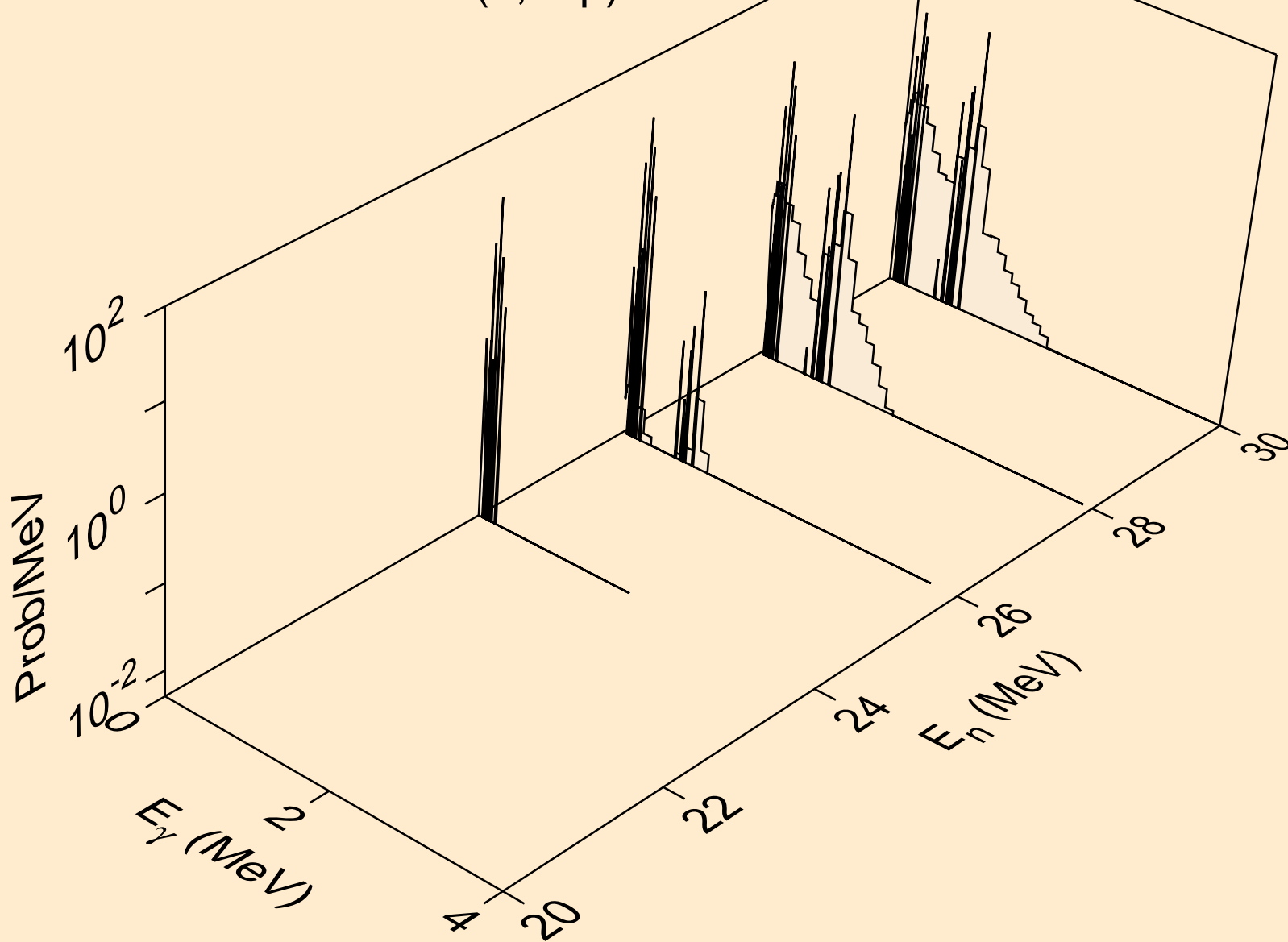
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



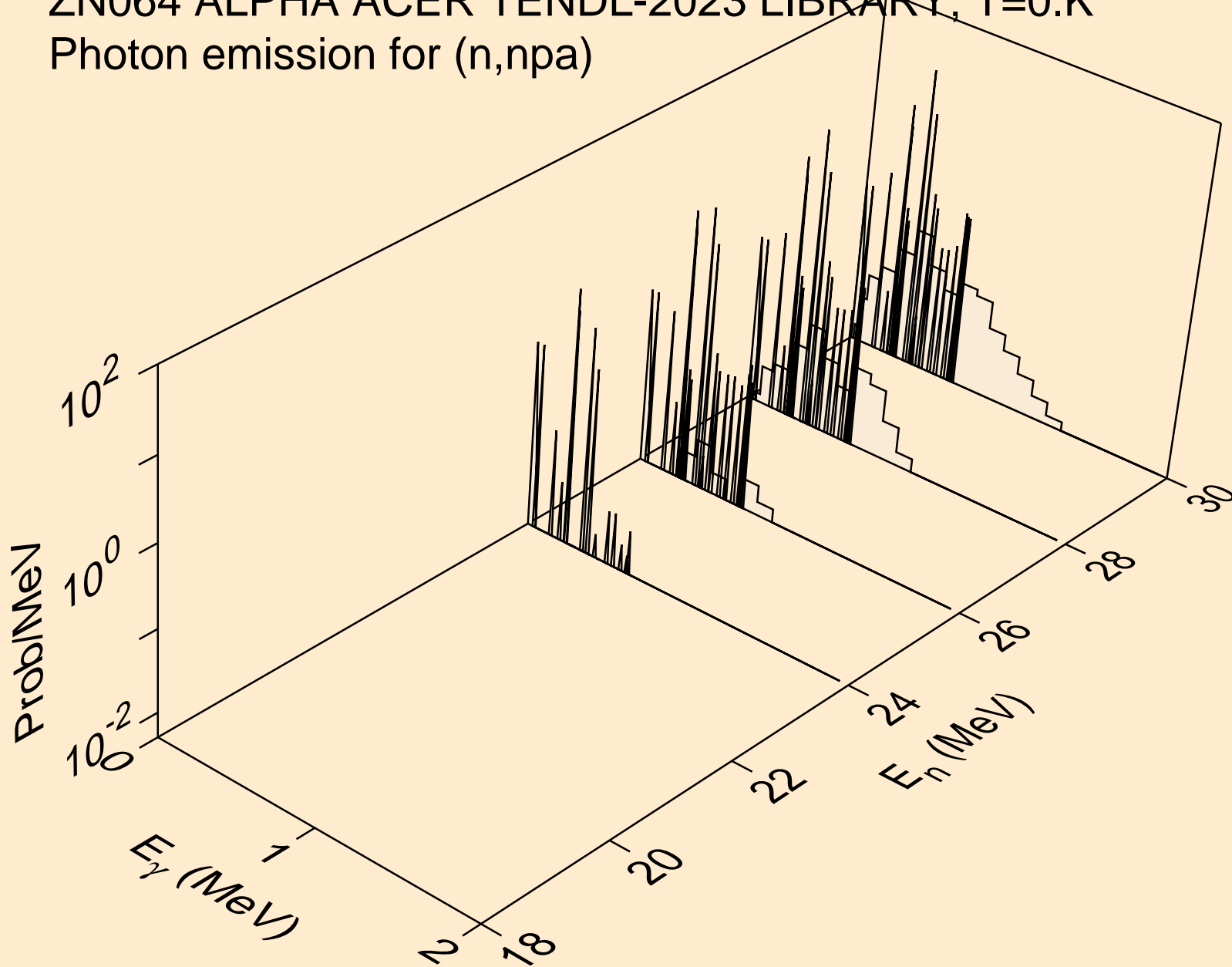
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



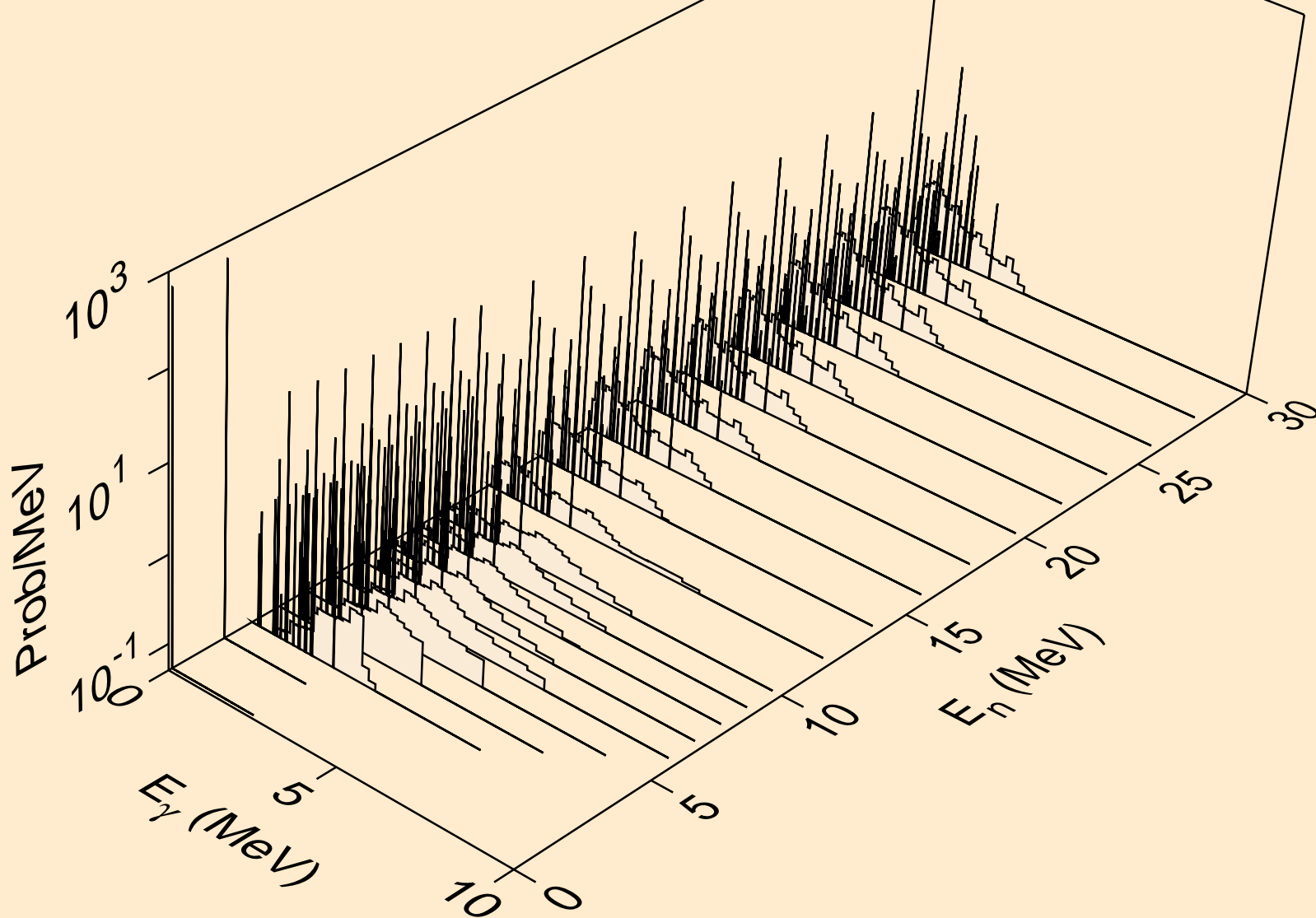
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



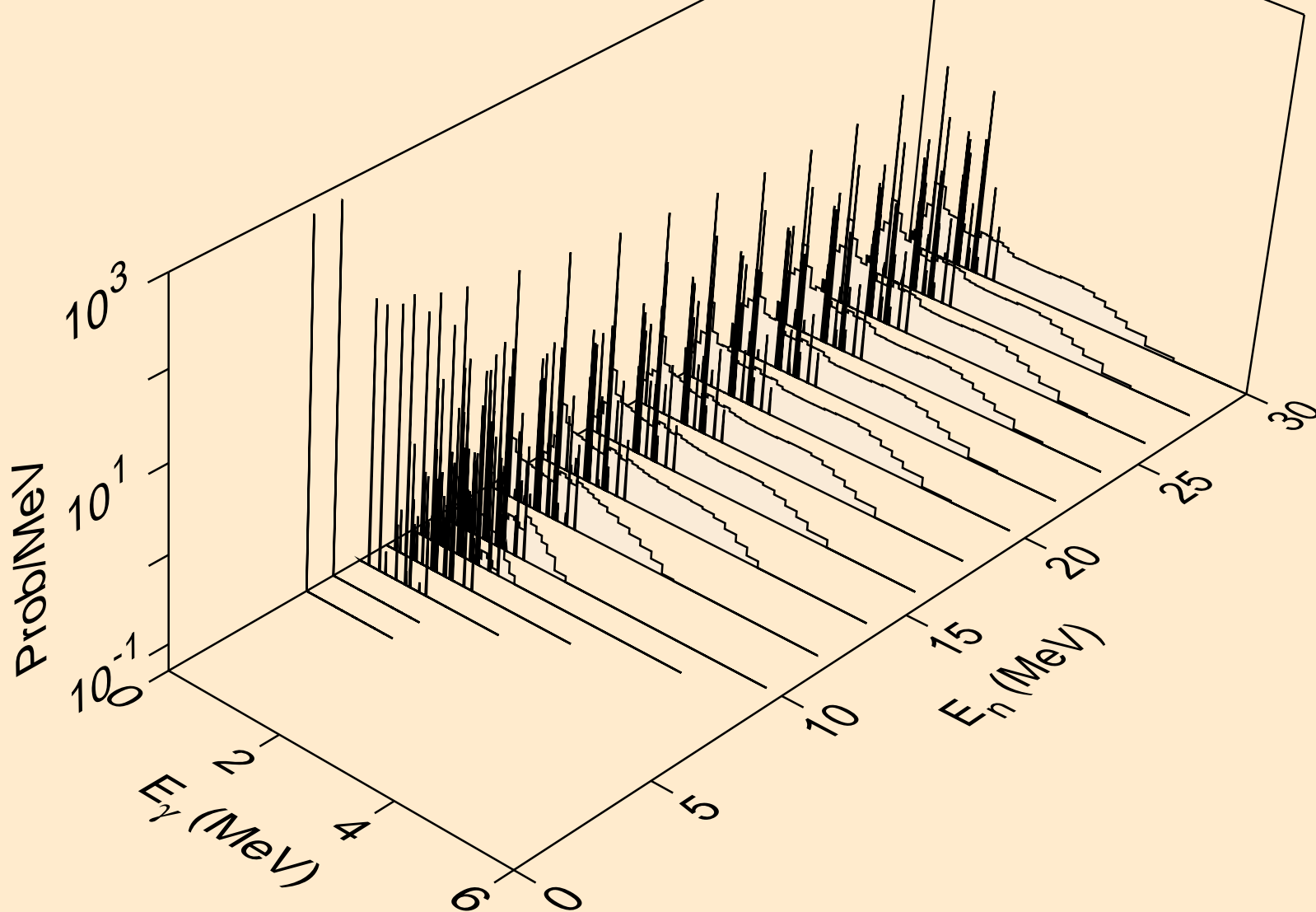
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)

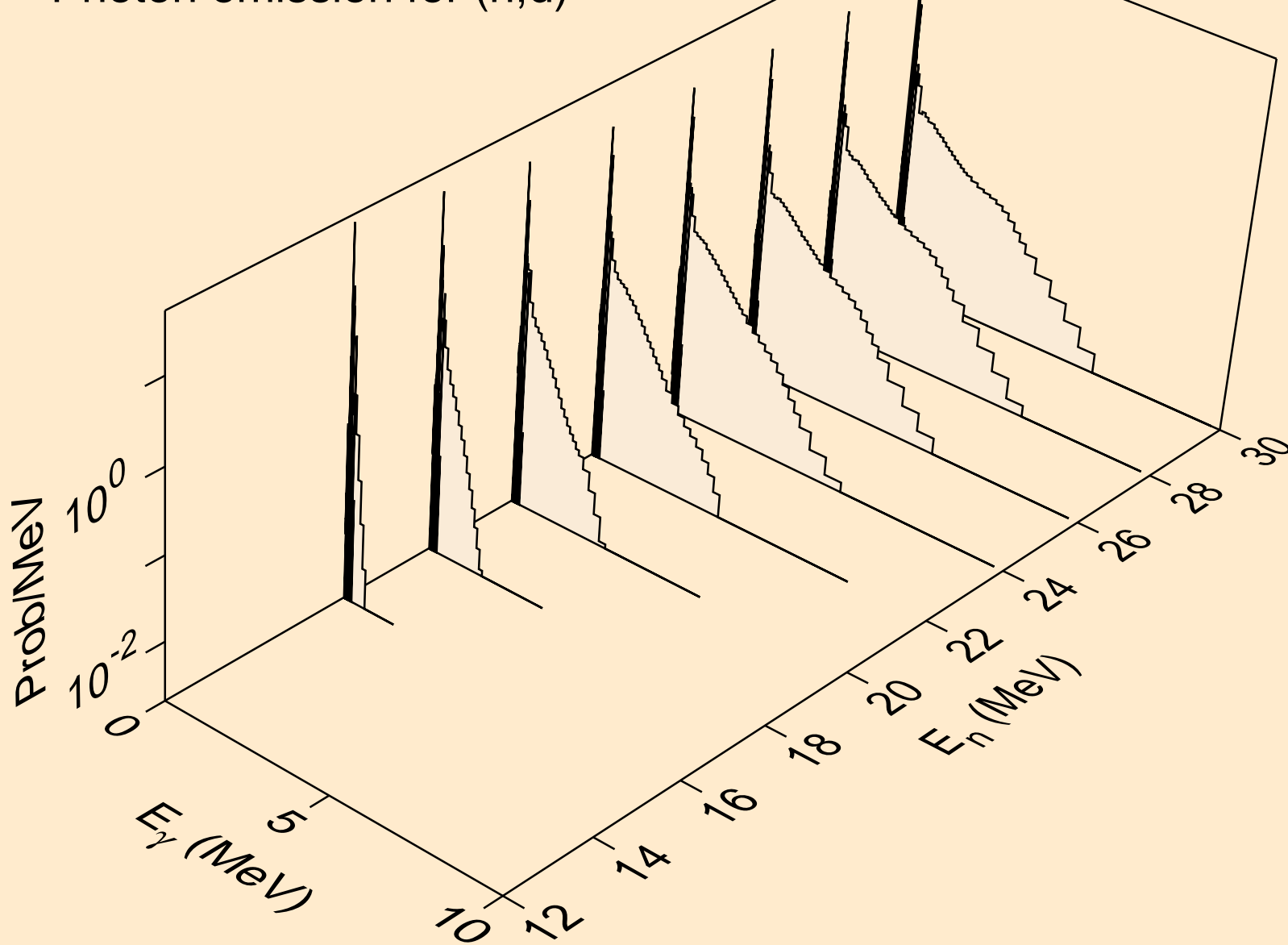


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Photon emission for (n,p)

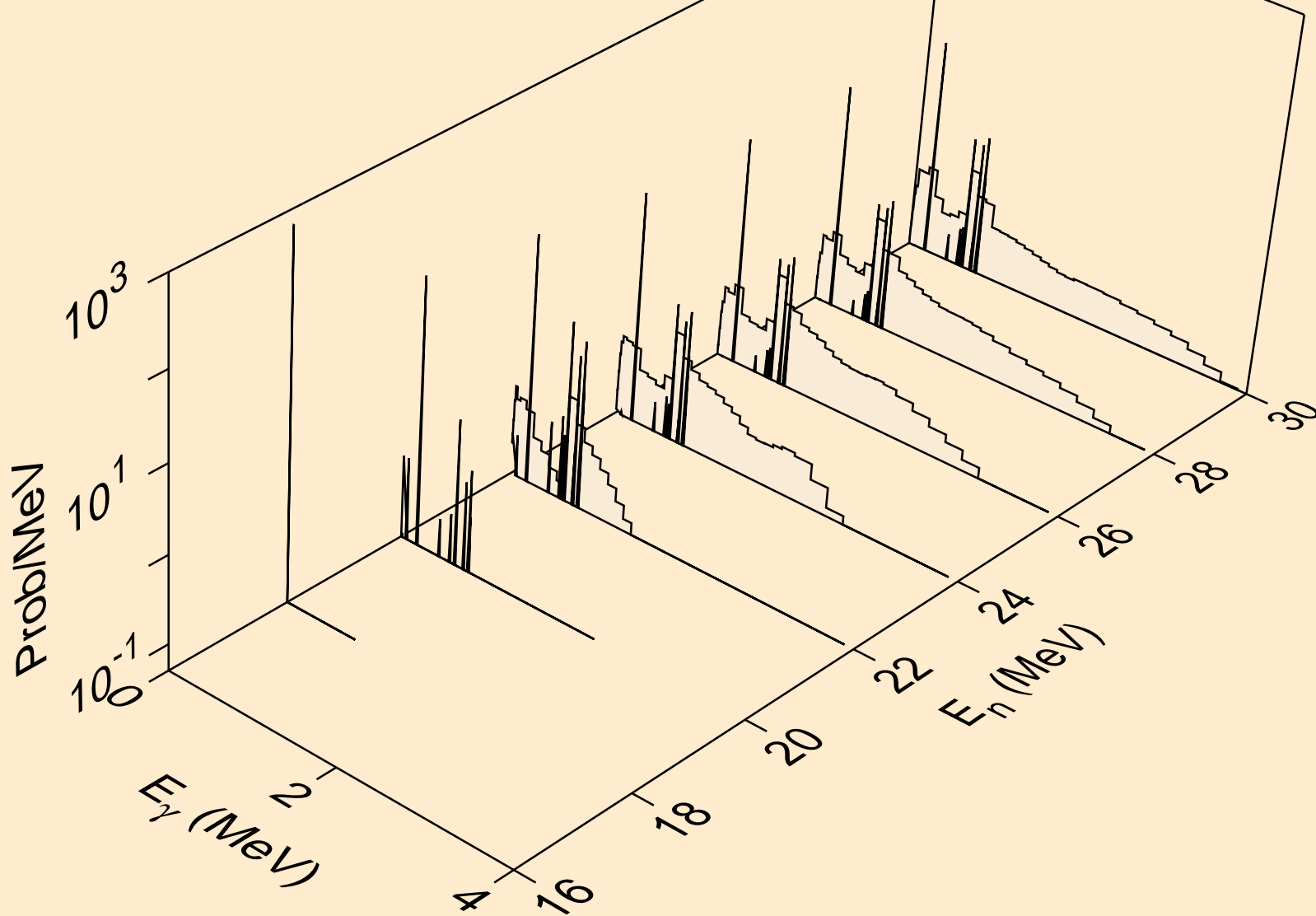




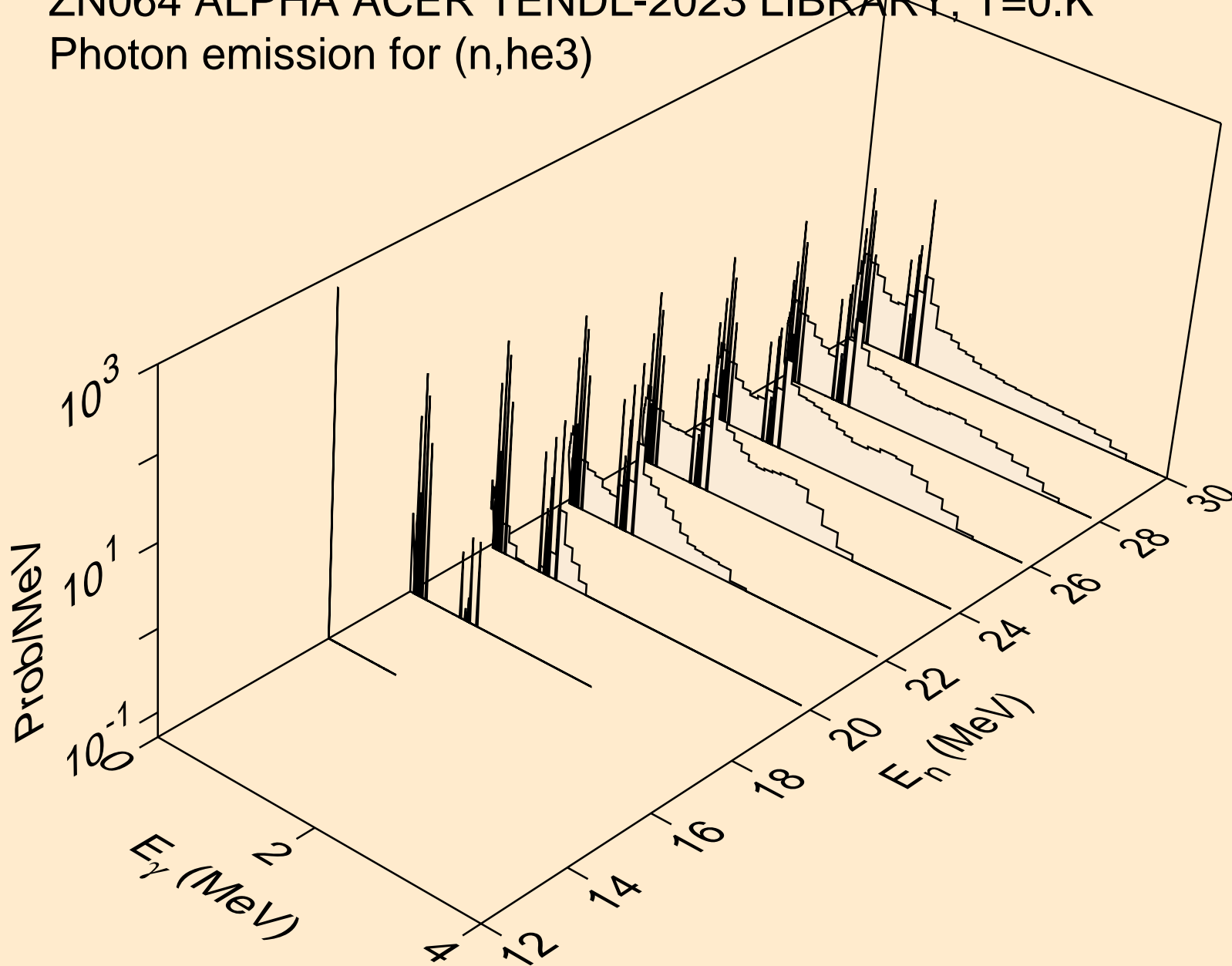
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Photon emission for (n,d)



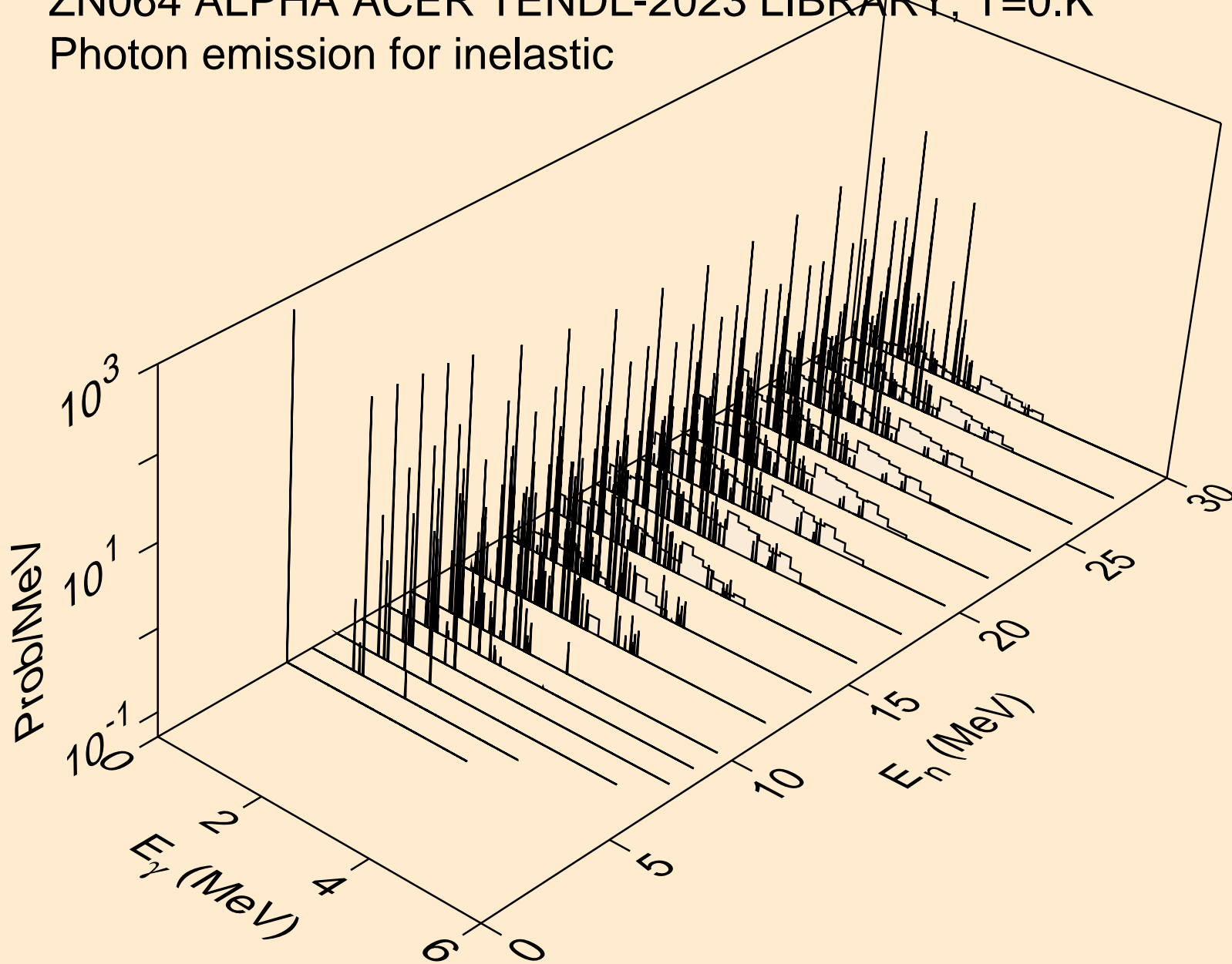
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Photon emission for (n,t)



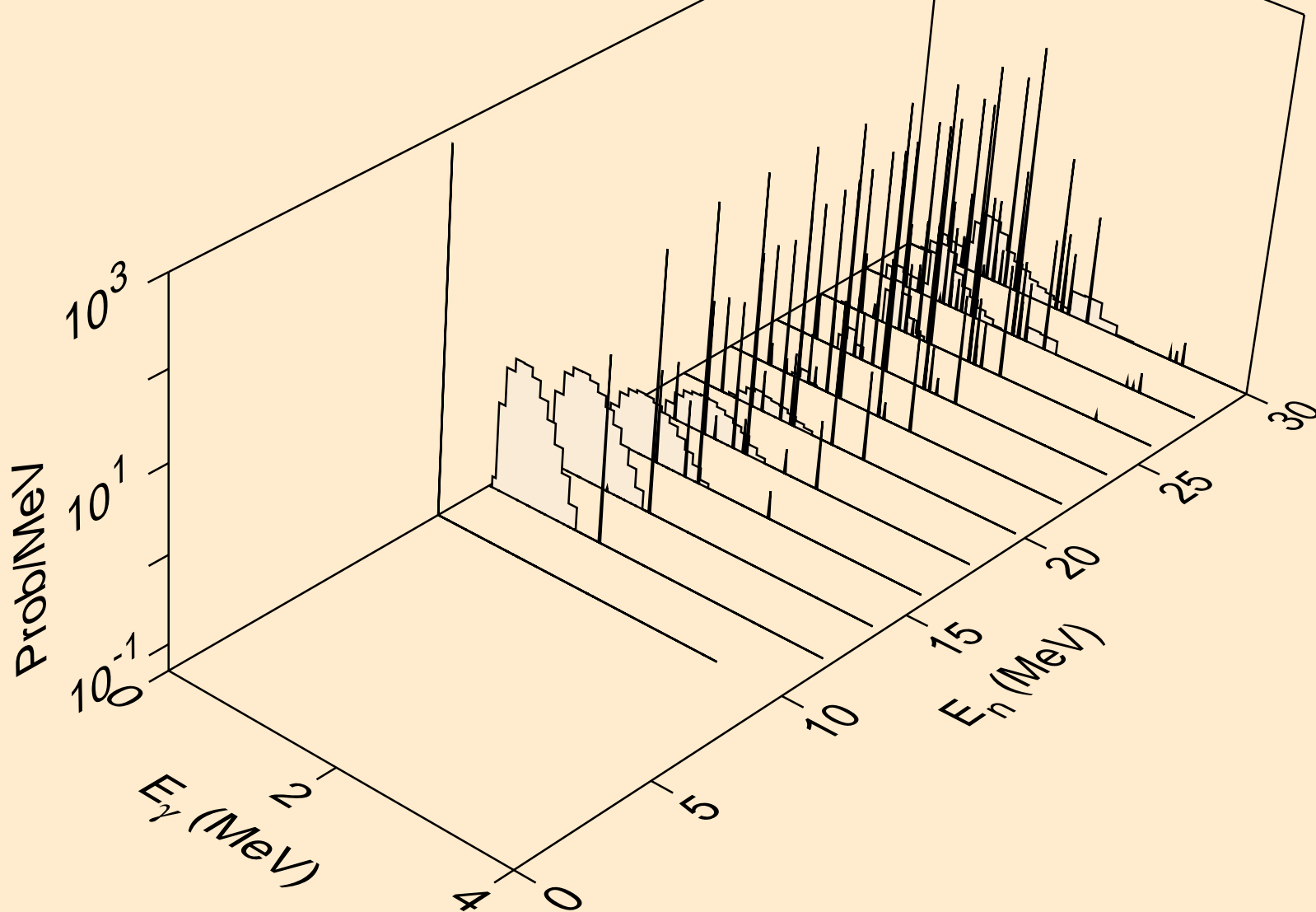
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



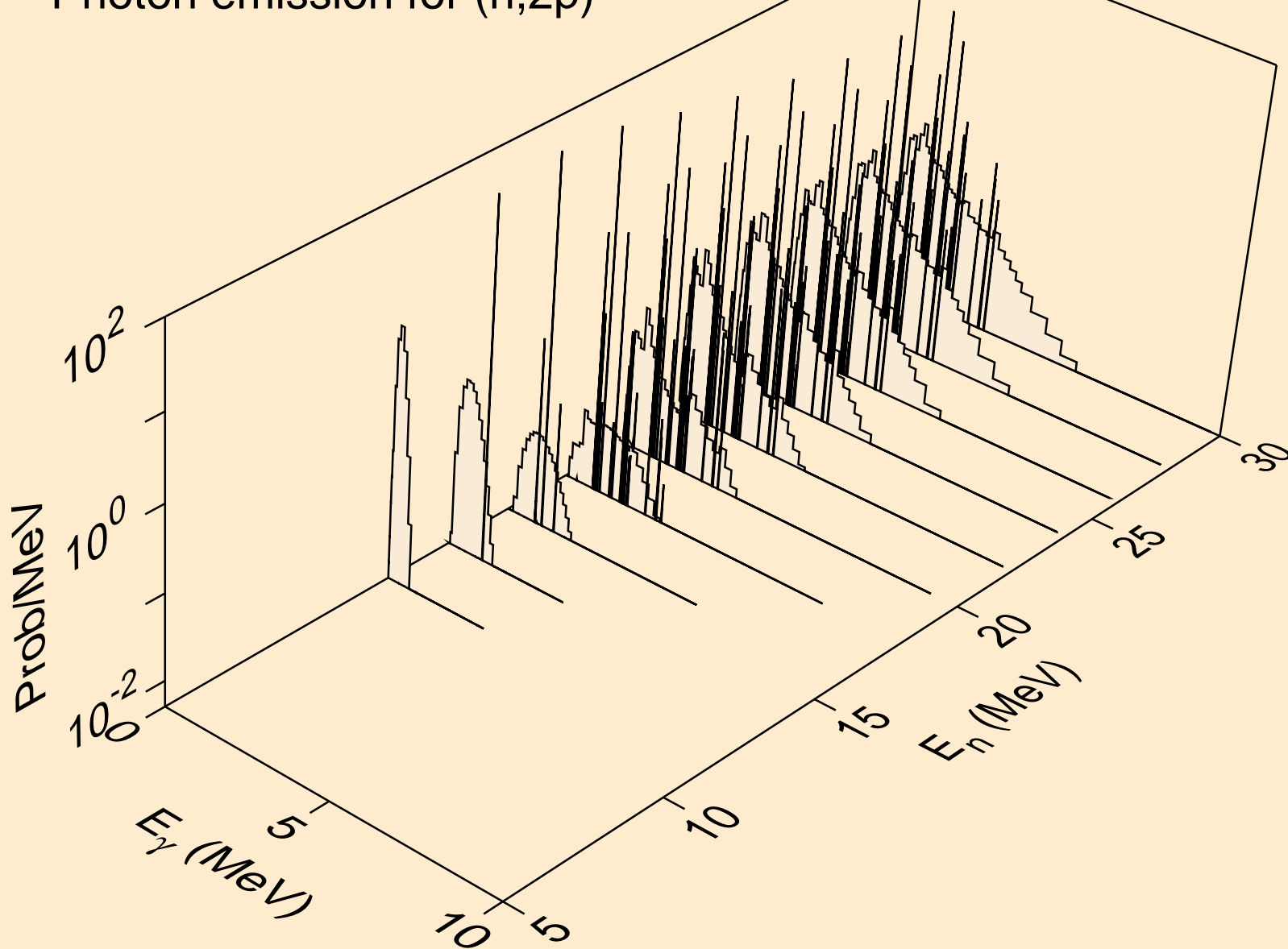
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



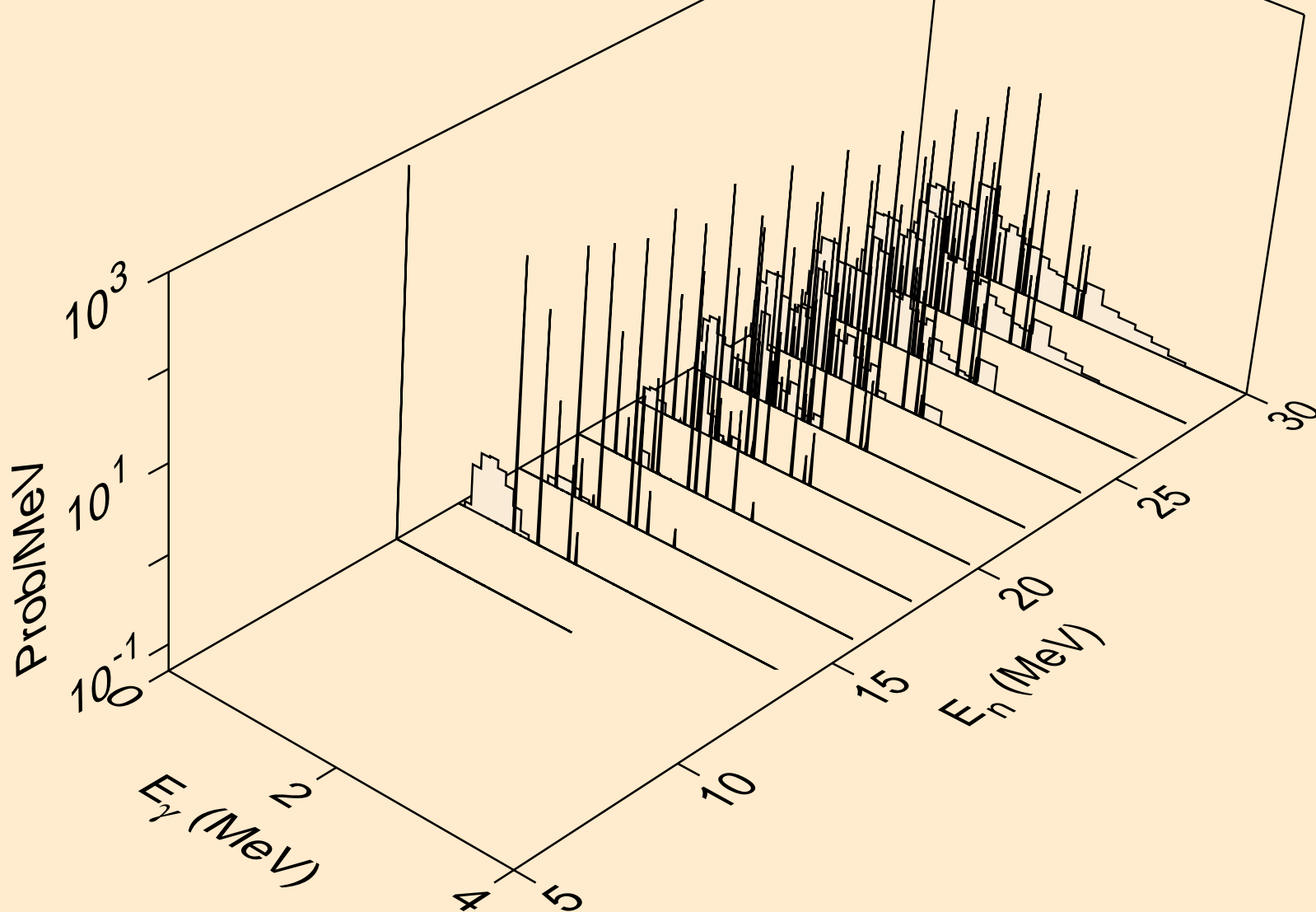
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Photon emission for (n,2a)



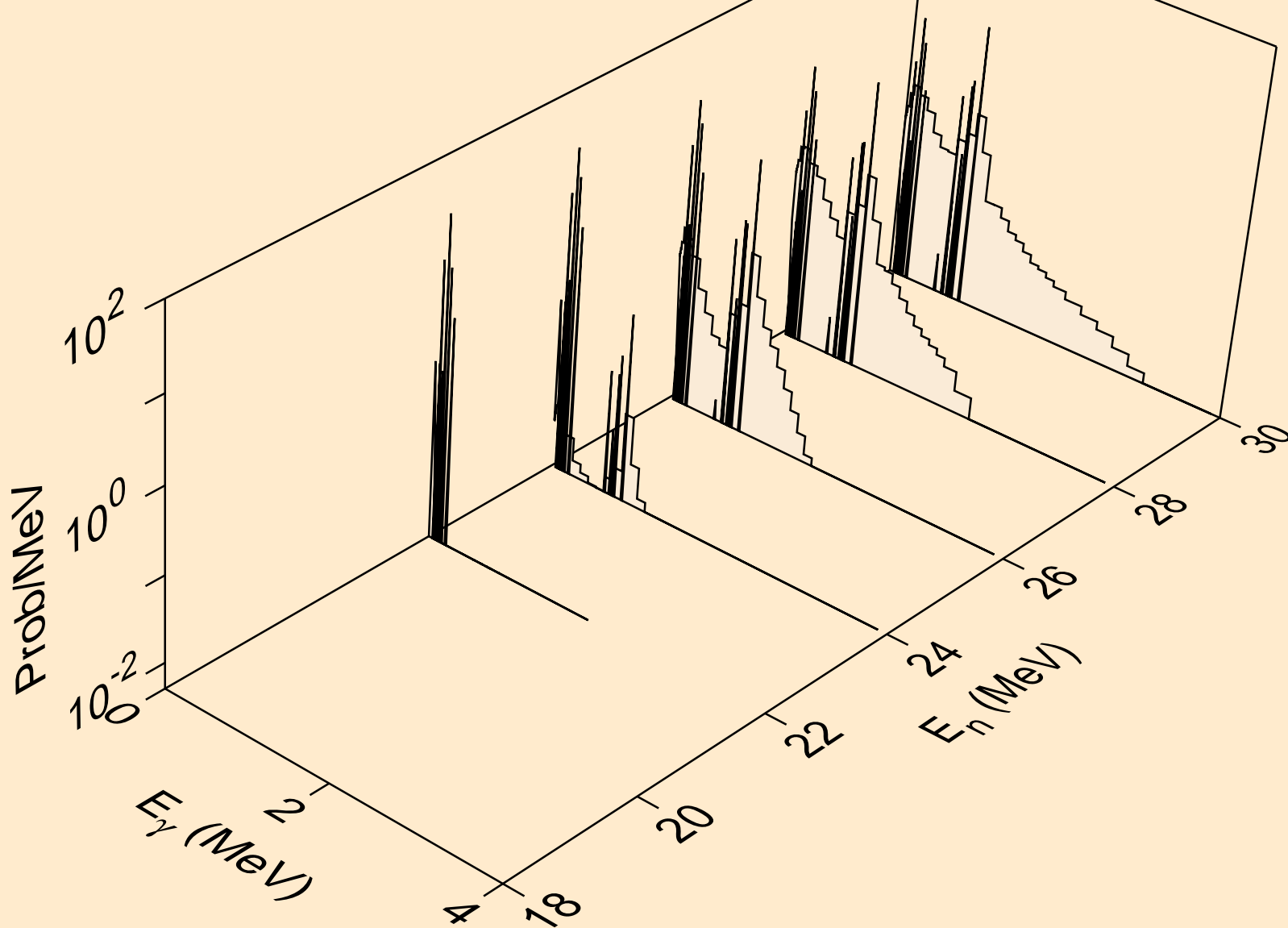
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)

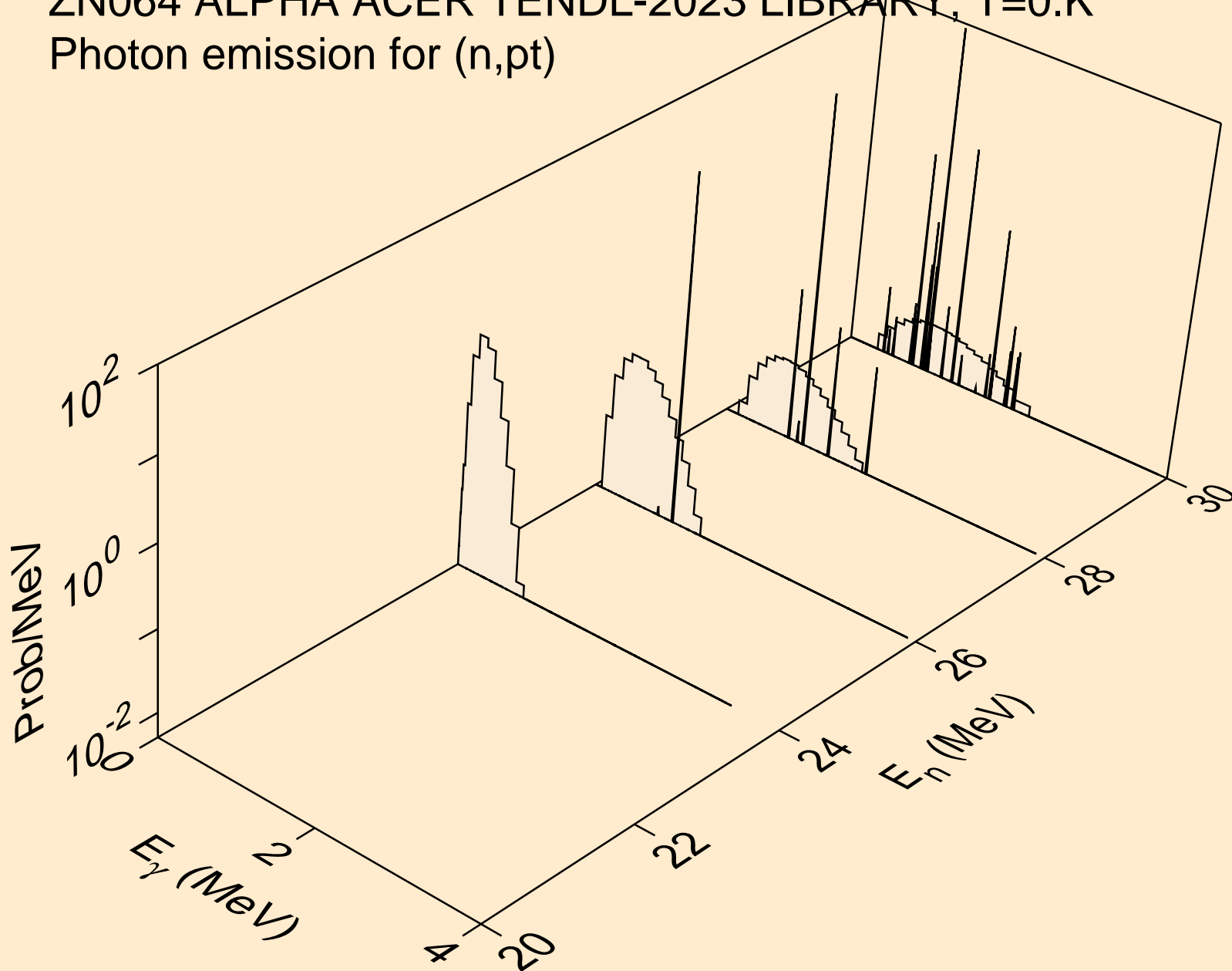


ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)

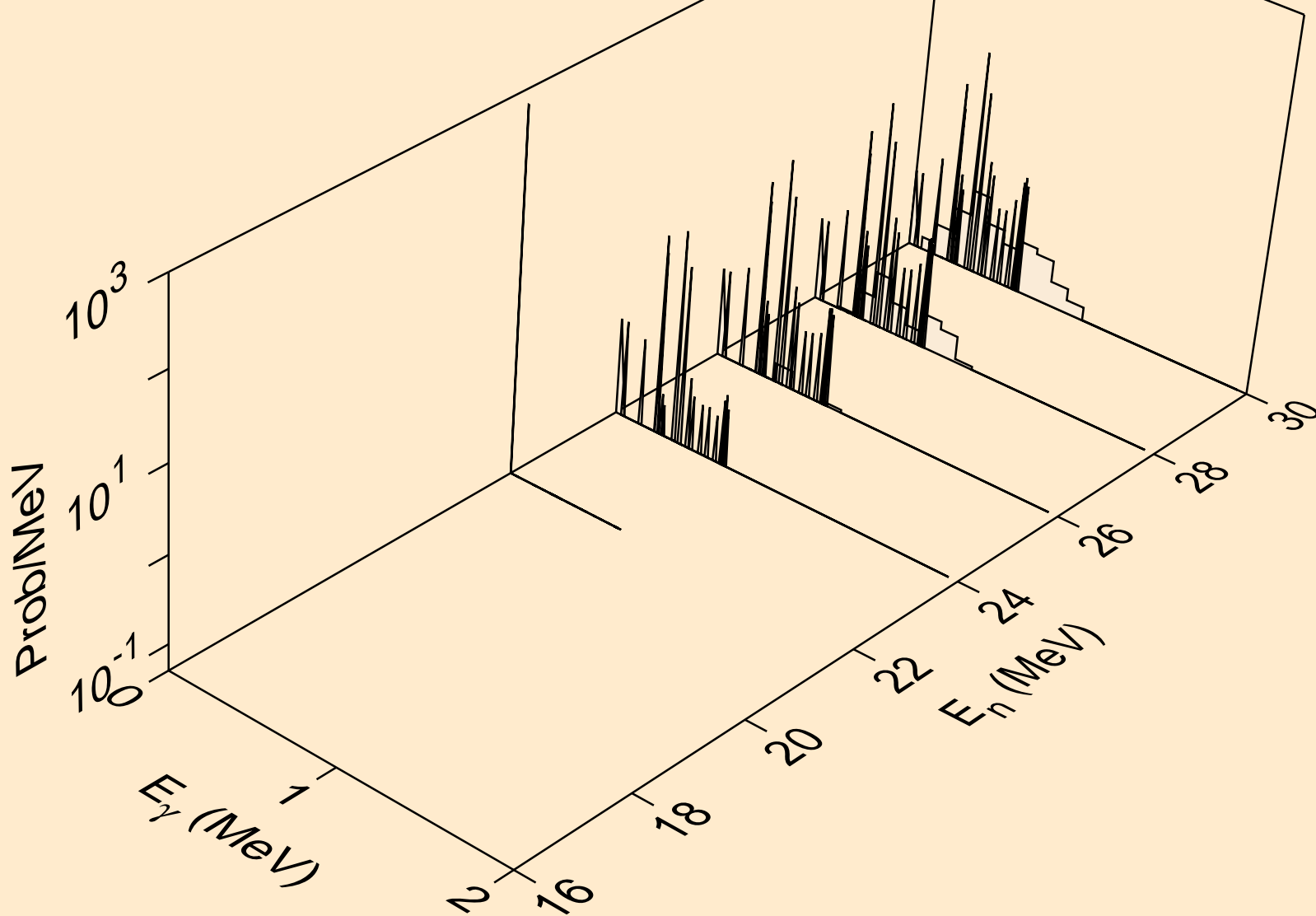




ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

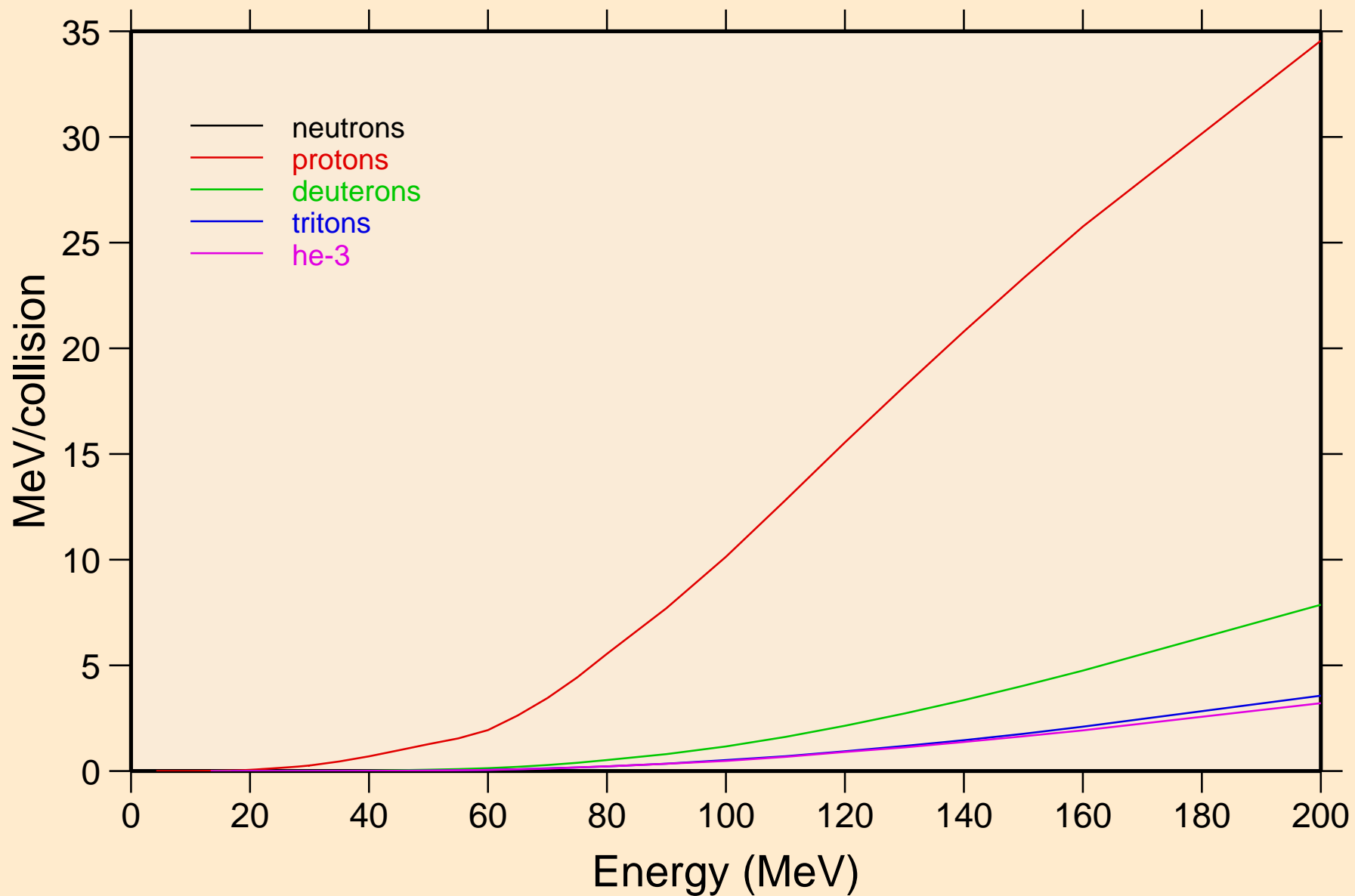


ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

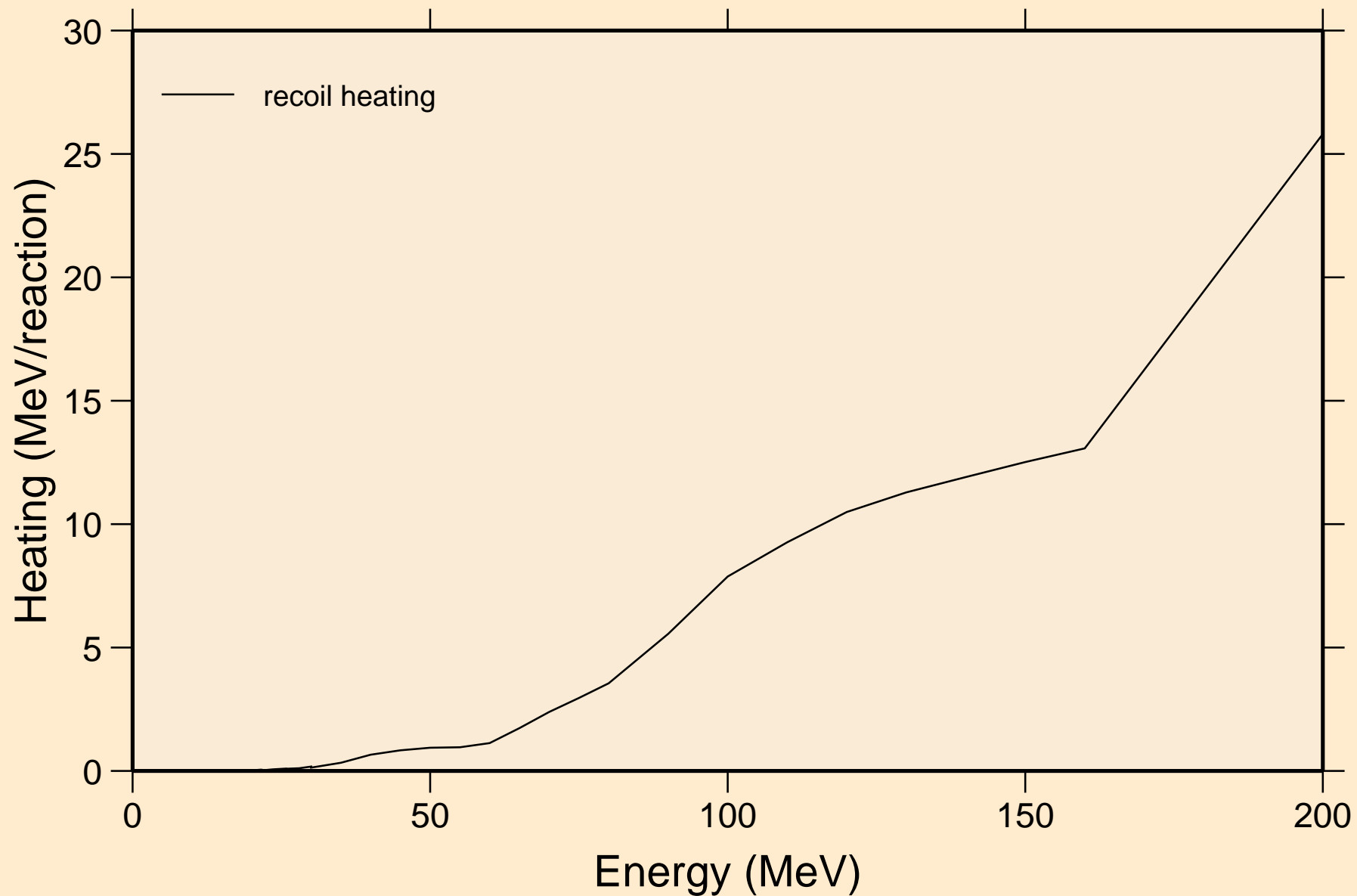


# ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

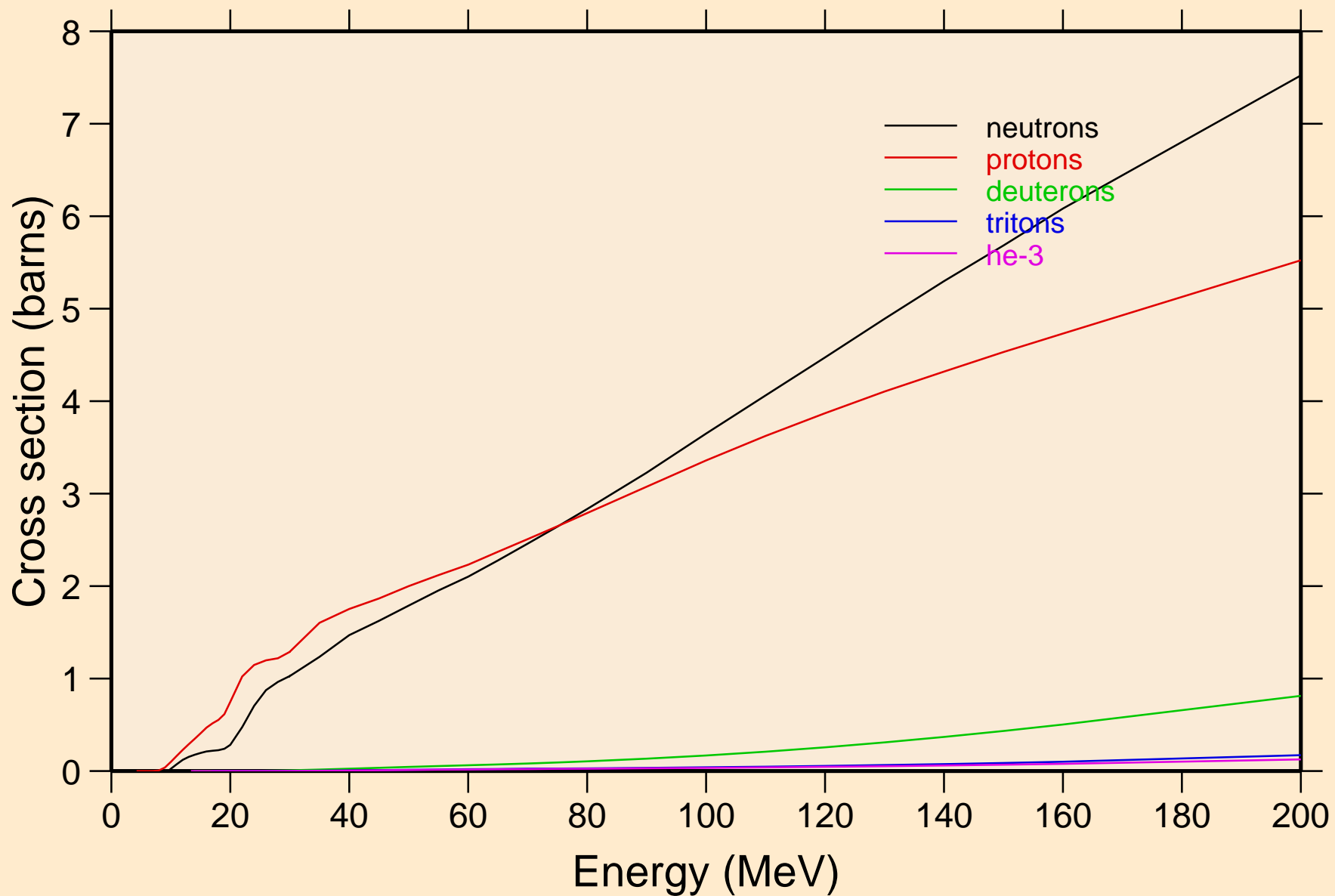


ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

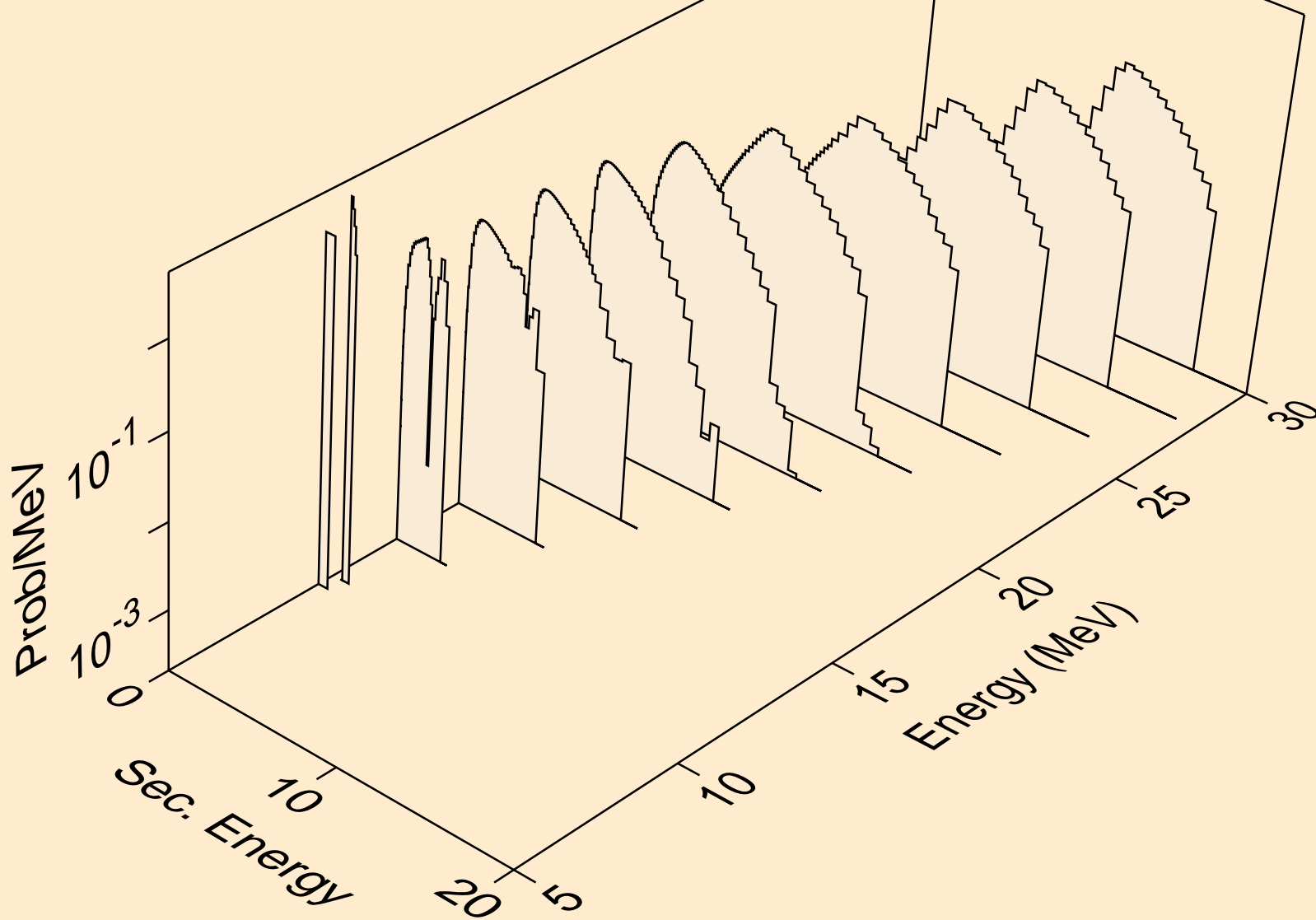


# ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

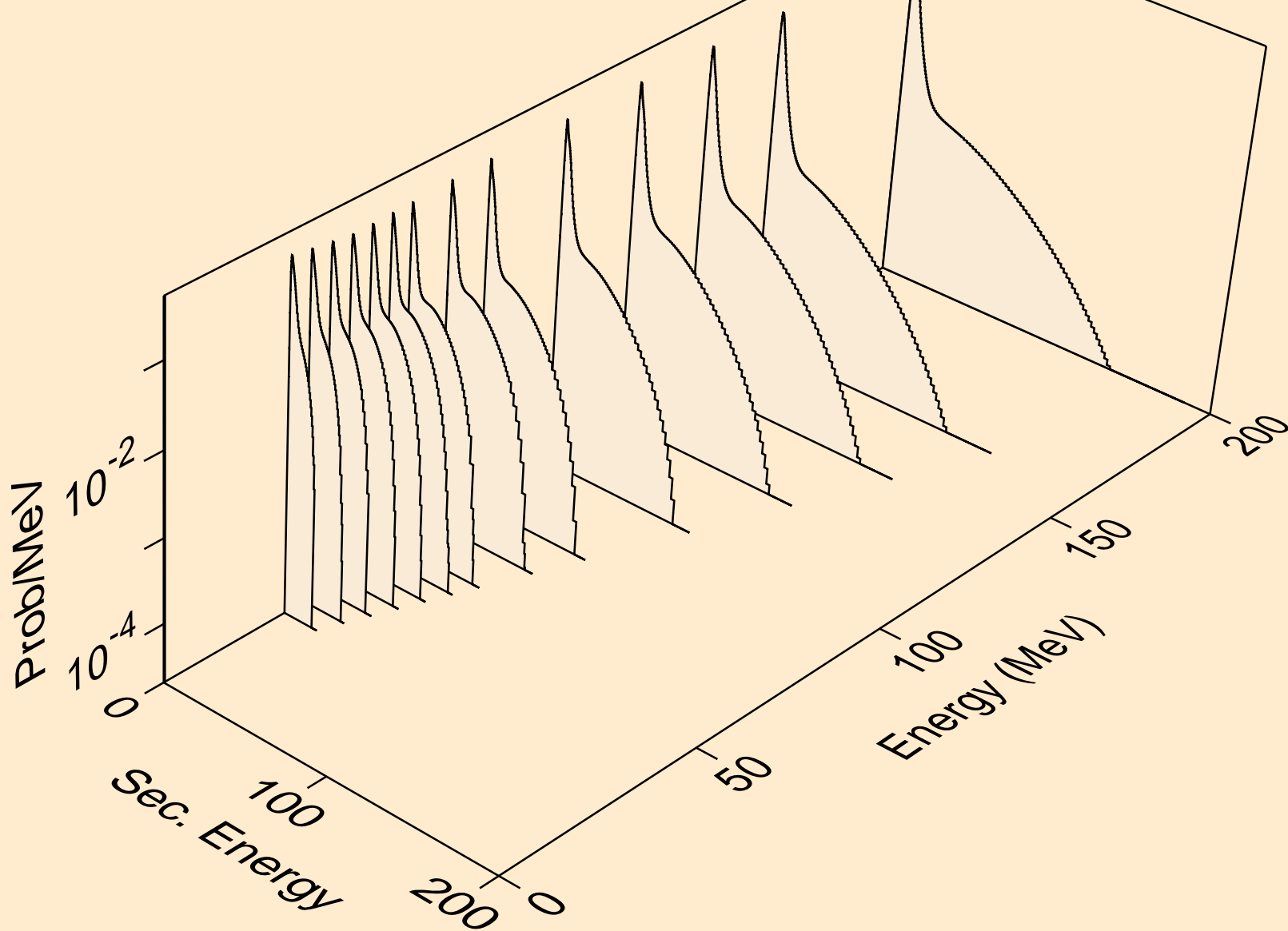
## Particle production cross sections



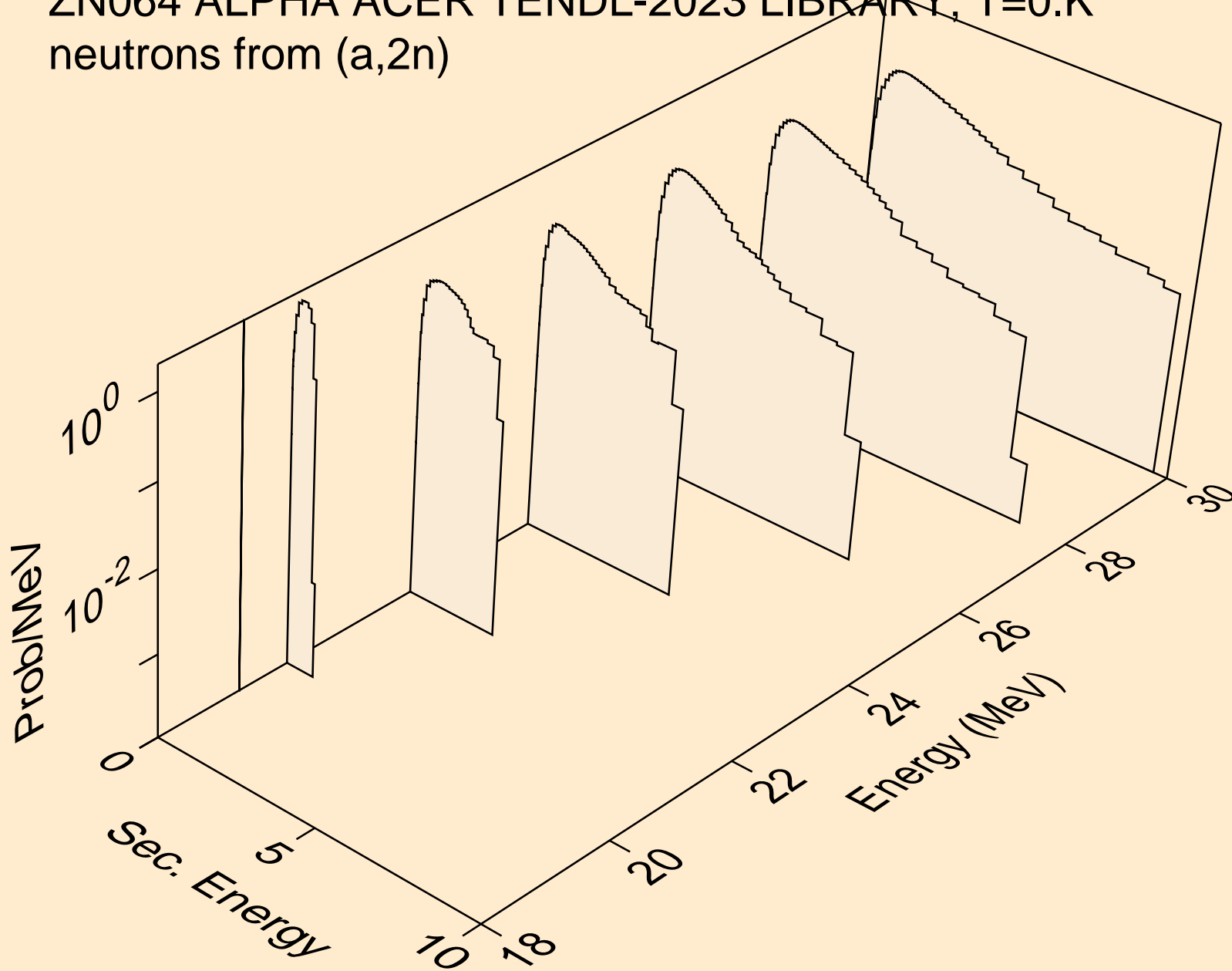
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n)



ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,x)

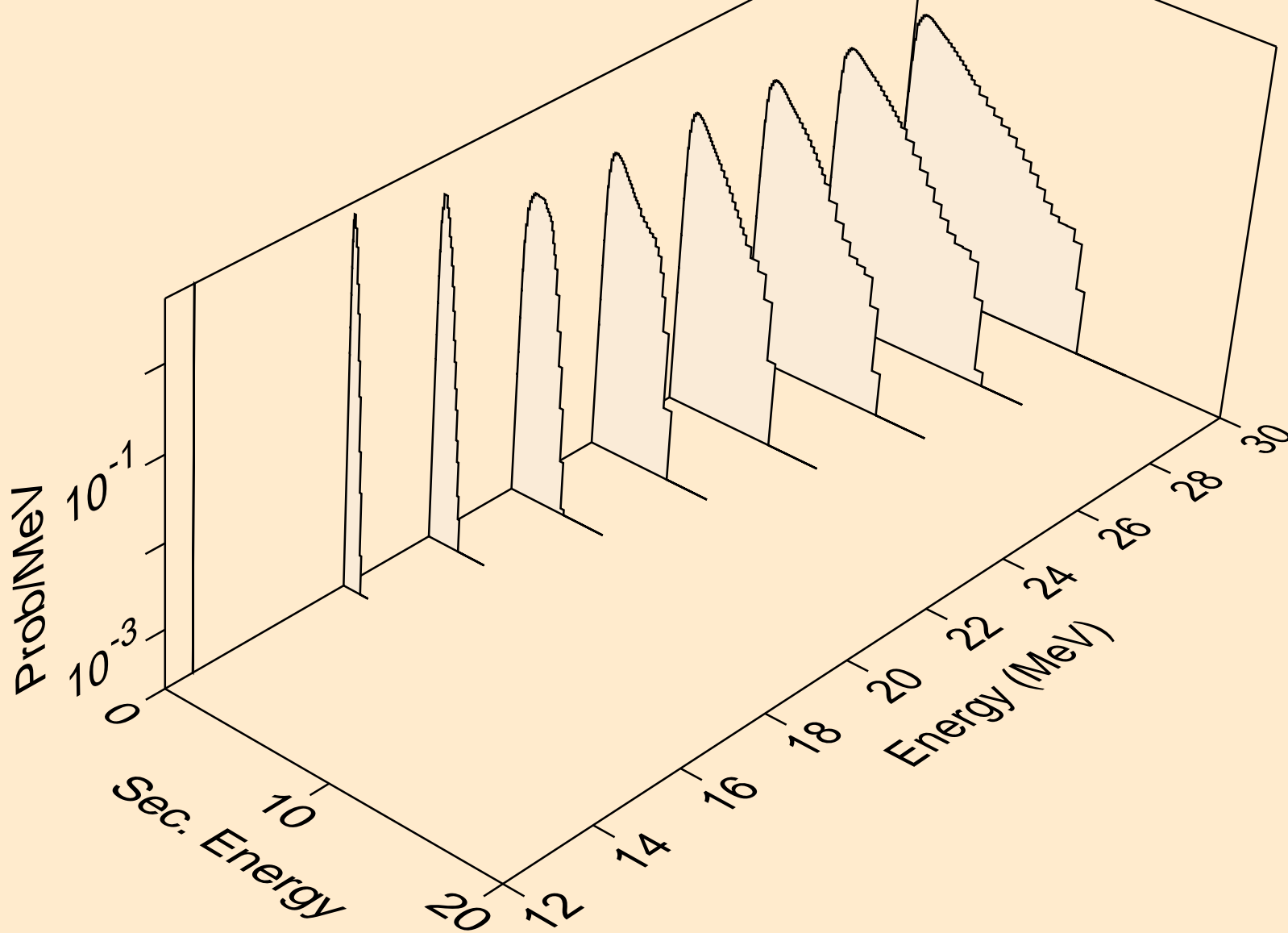


ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2n)

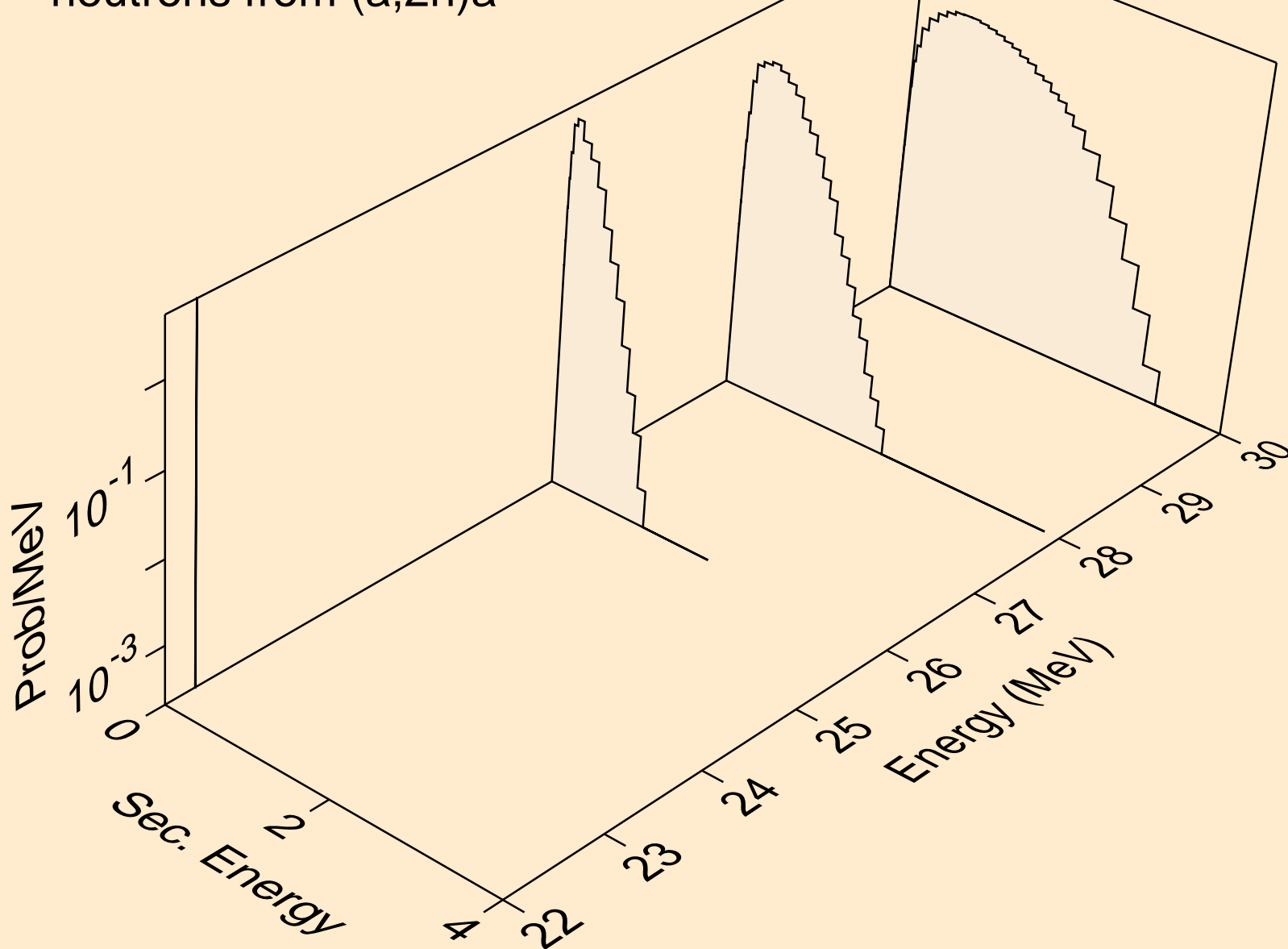




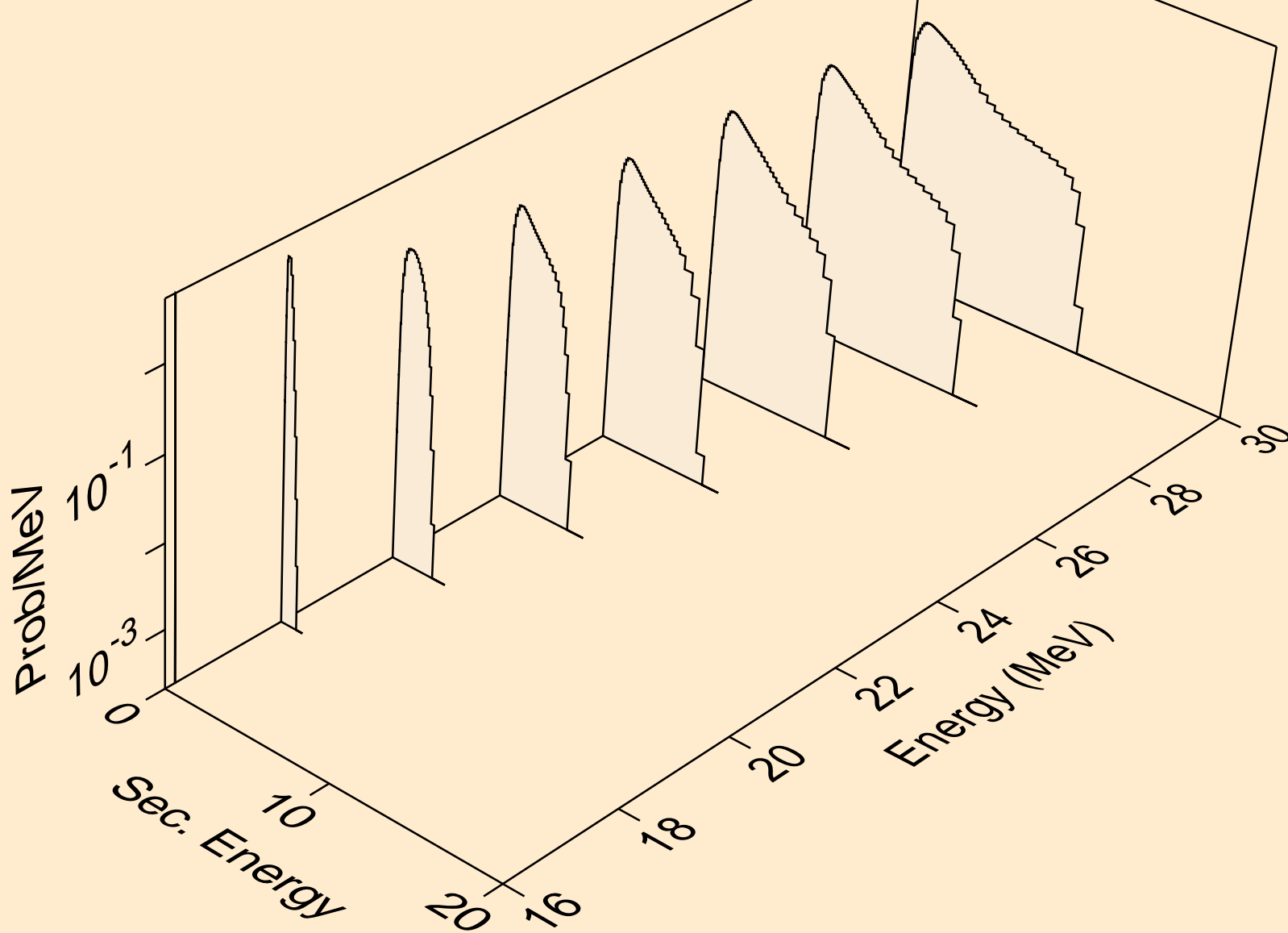
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)a



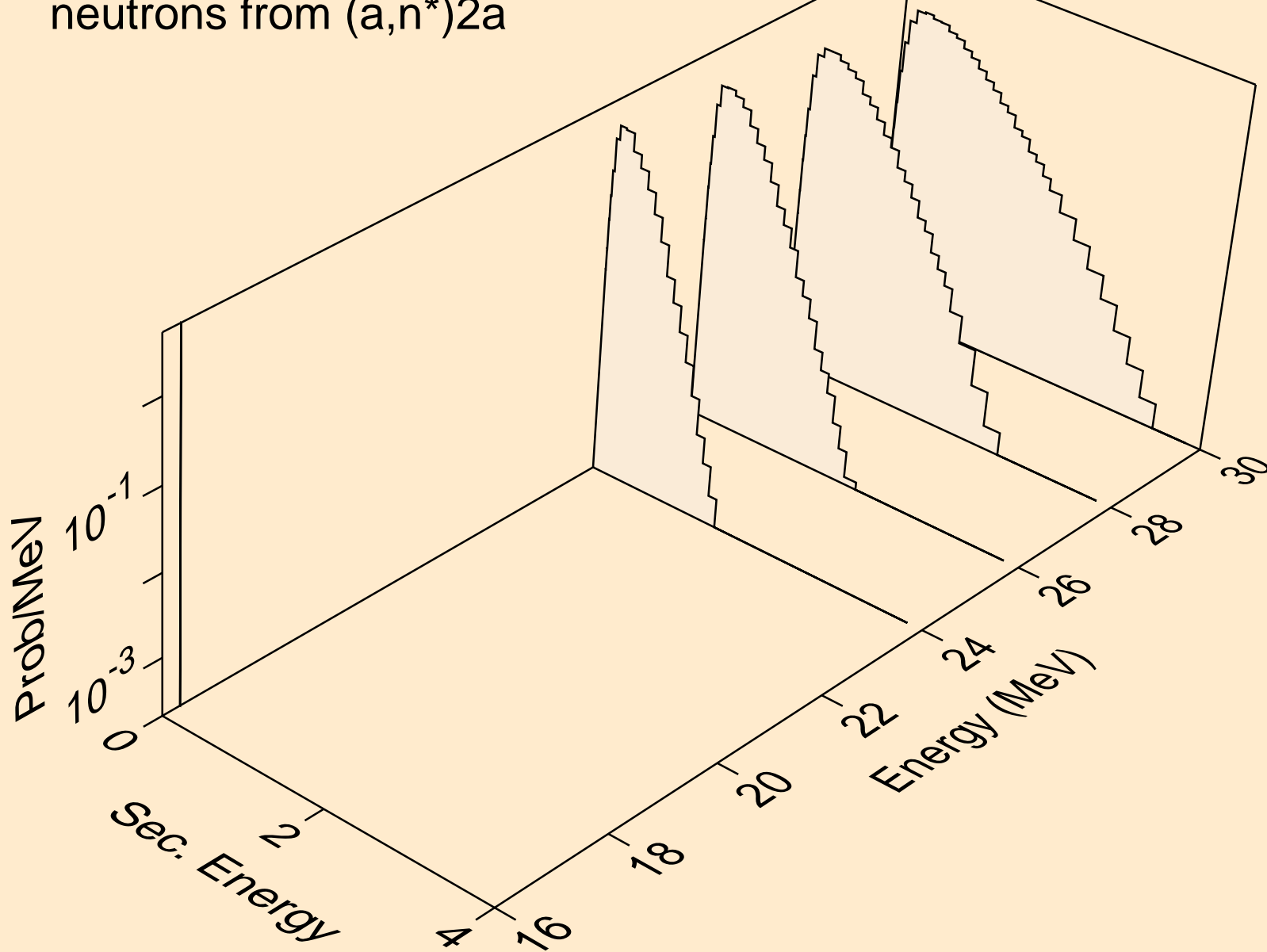
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neutrons from (a,2n)a



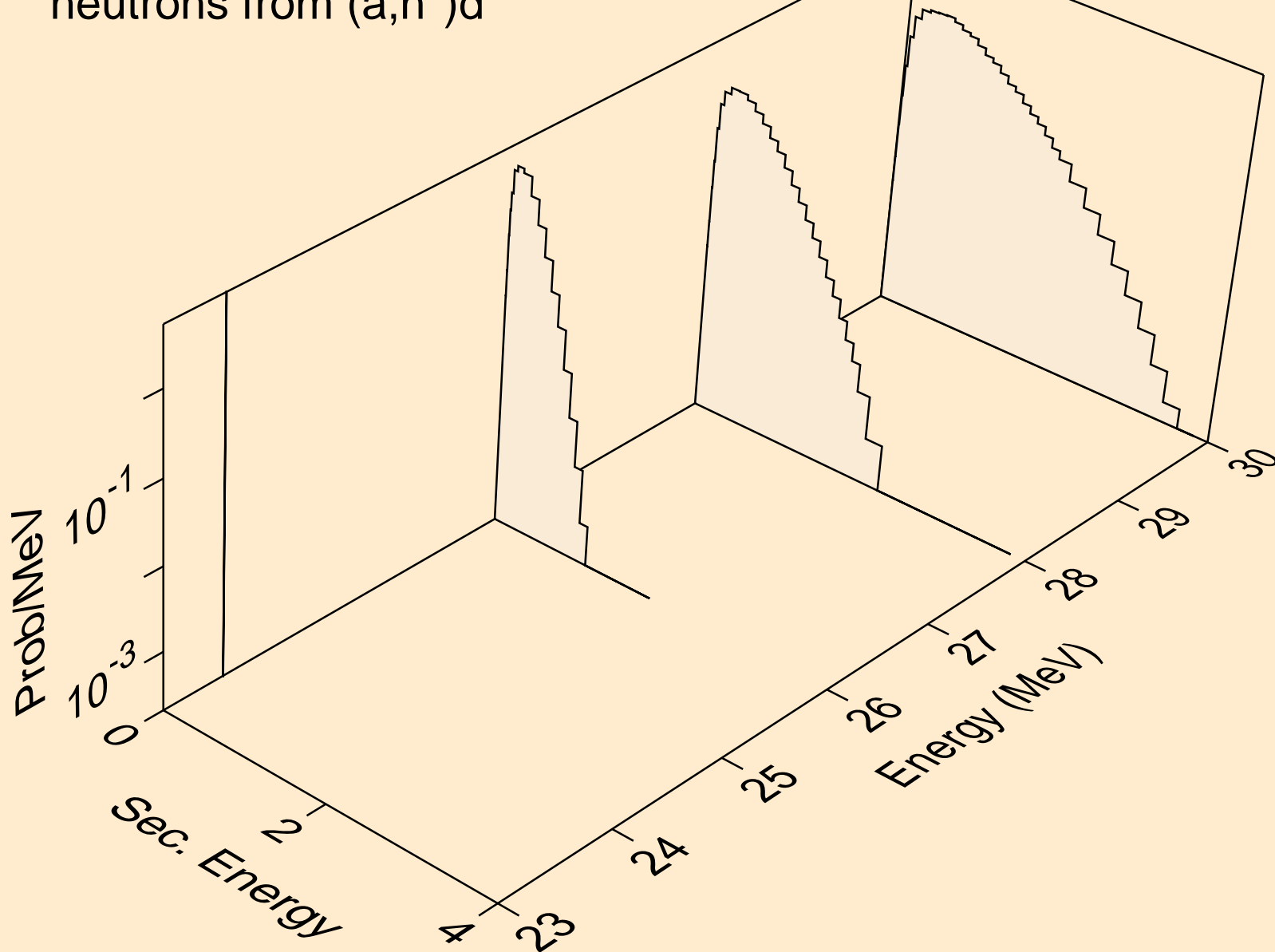
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neutrons from (a,n\*)p



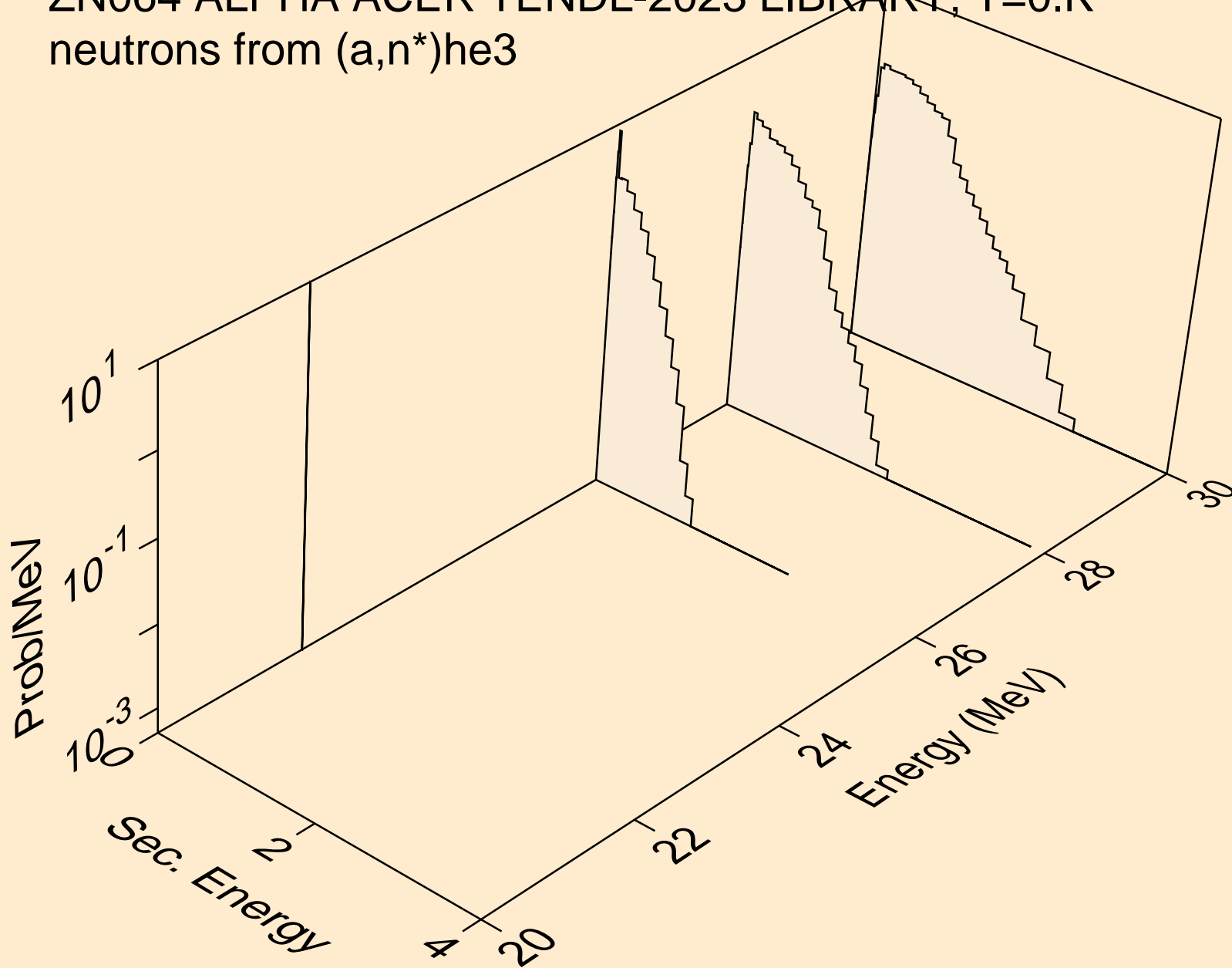
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neutrons from (a,n\*)2a



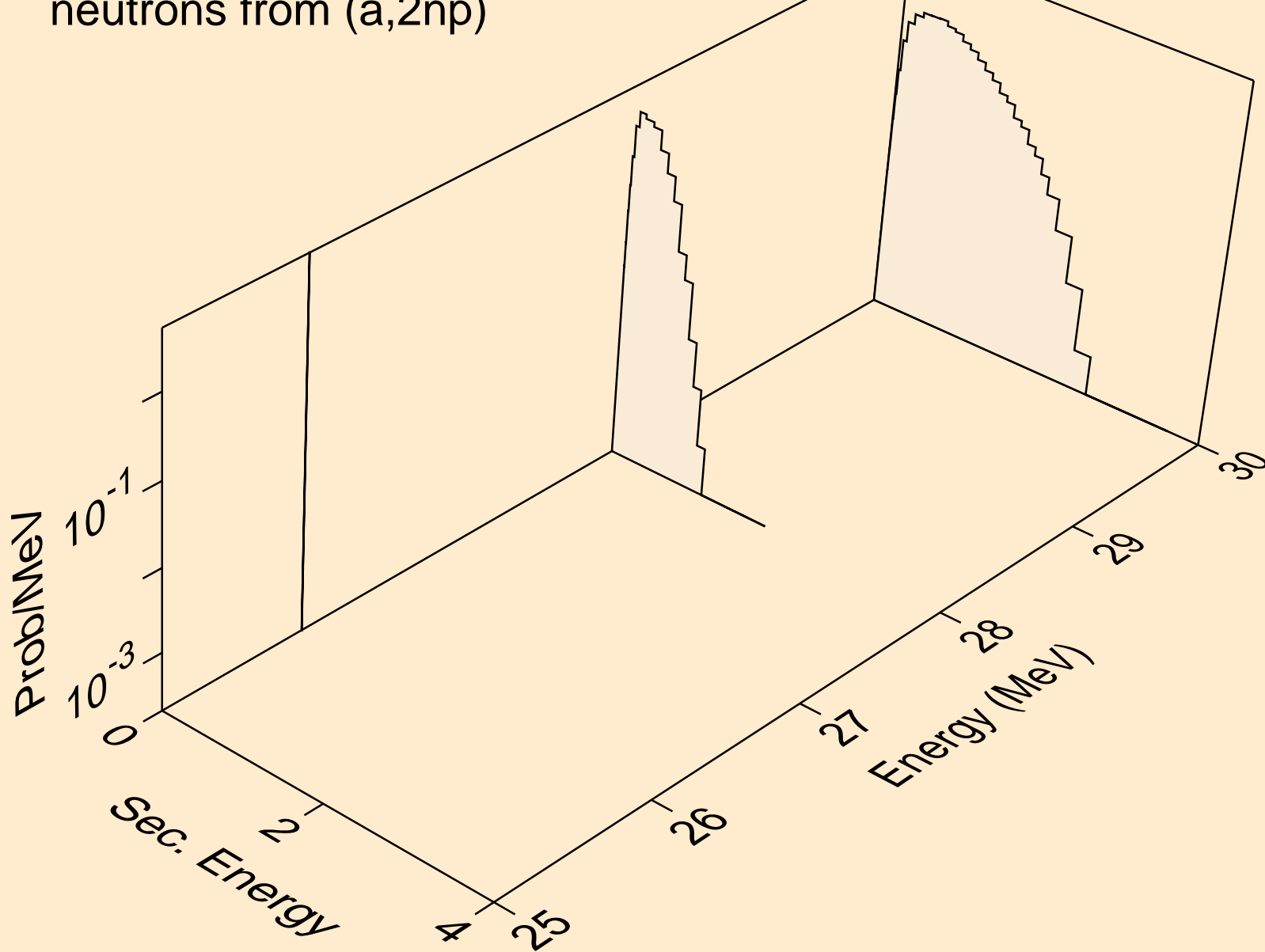
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neutrons from (a,n\*)d



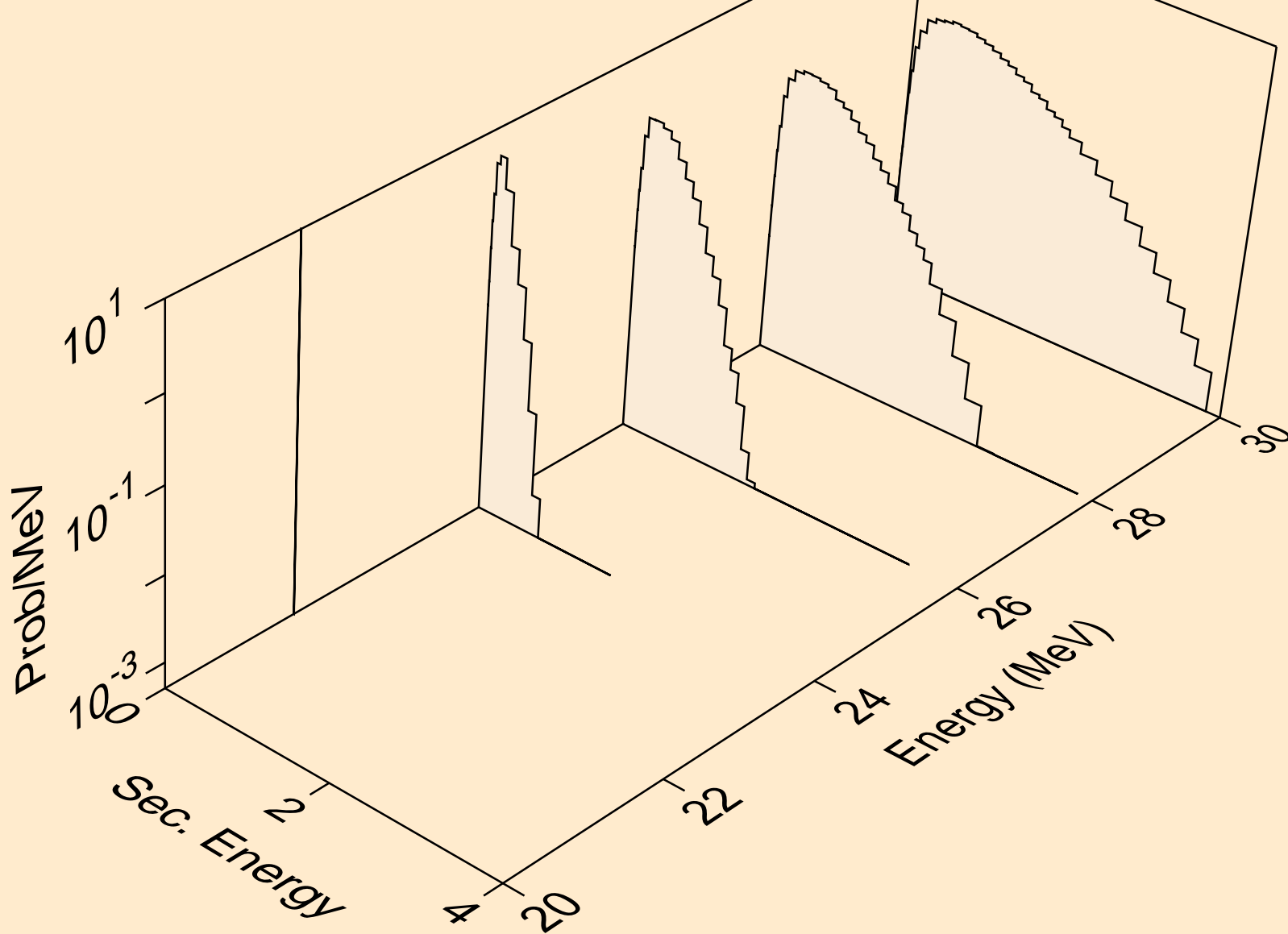
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)he3



ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2np)

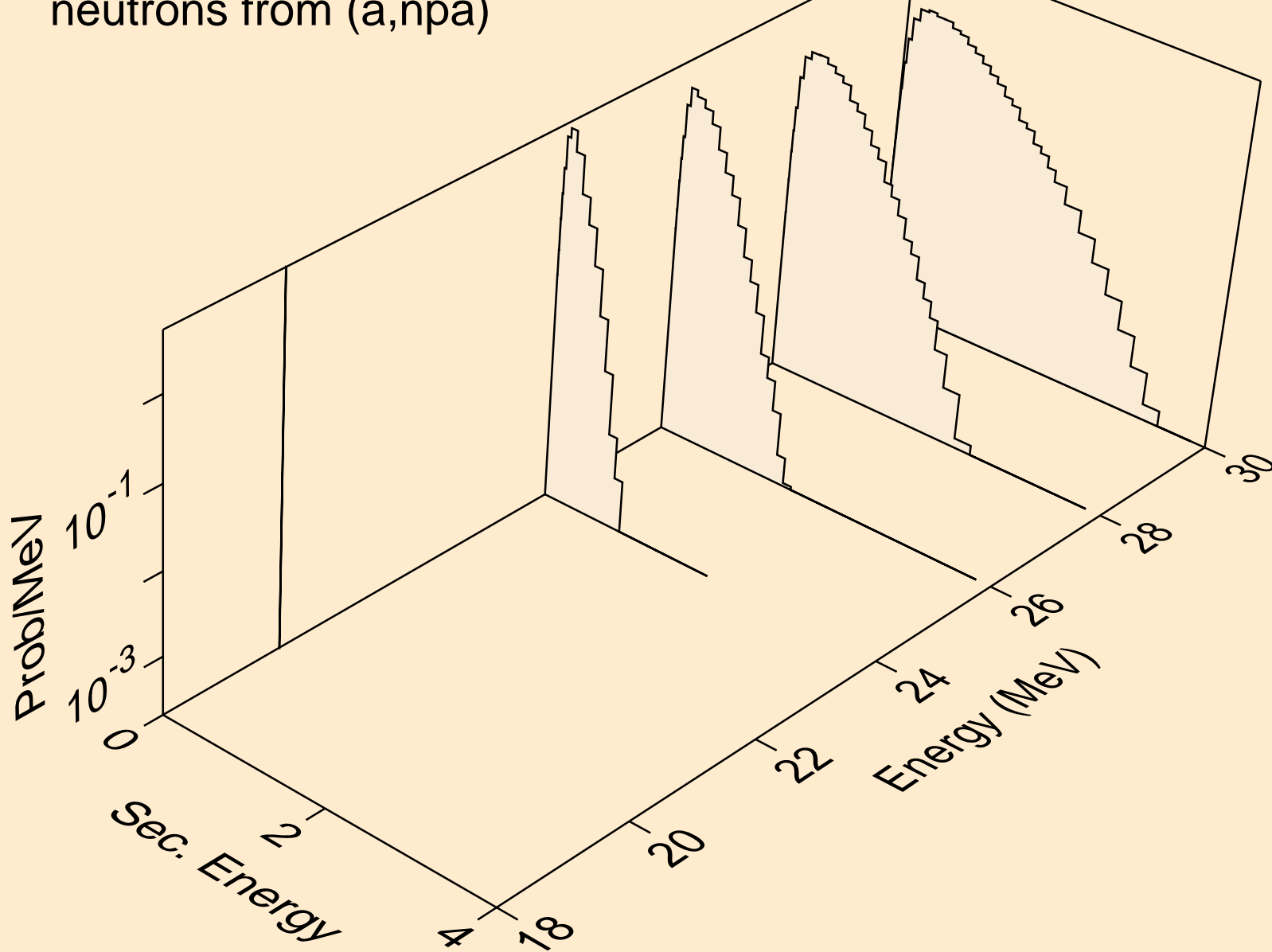


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neutrons from (a,n2p)

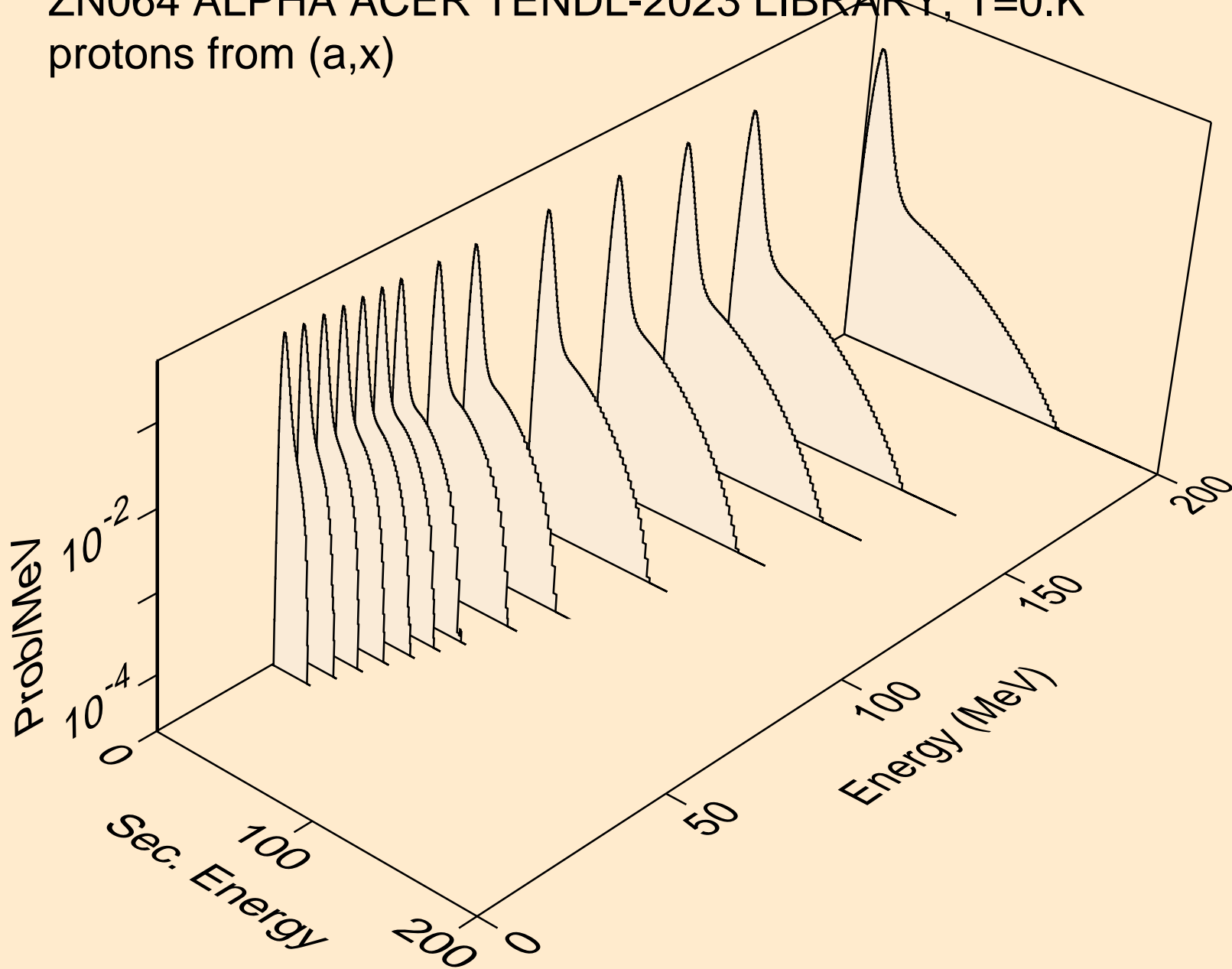




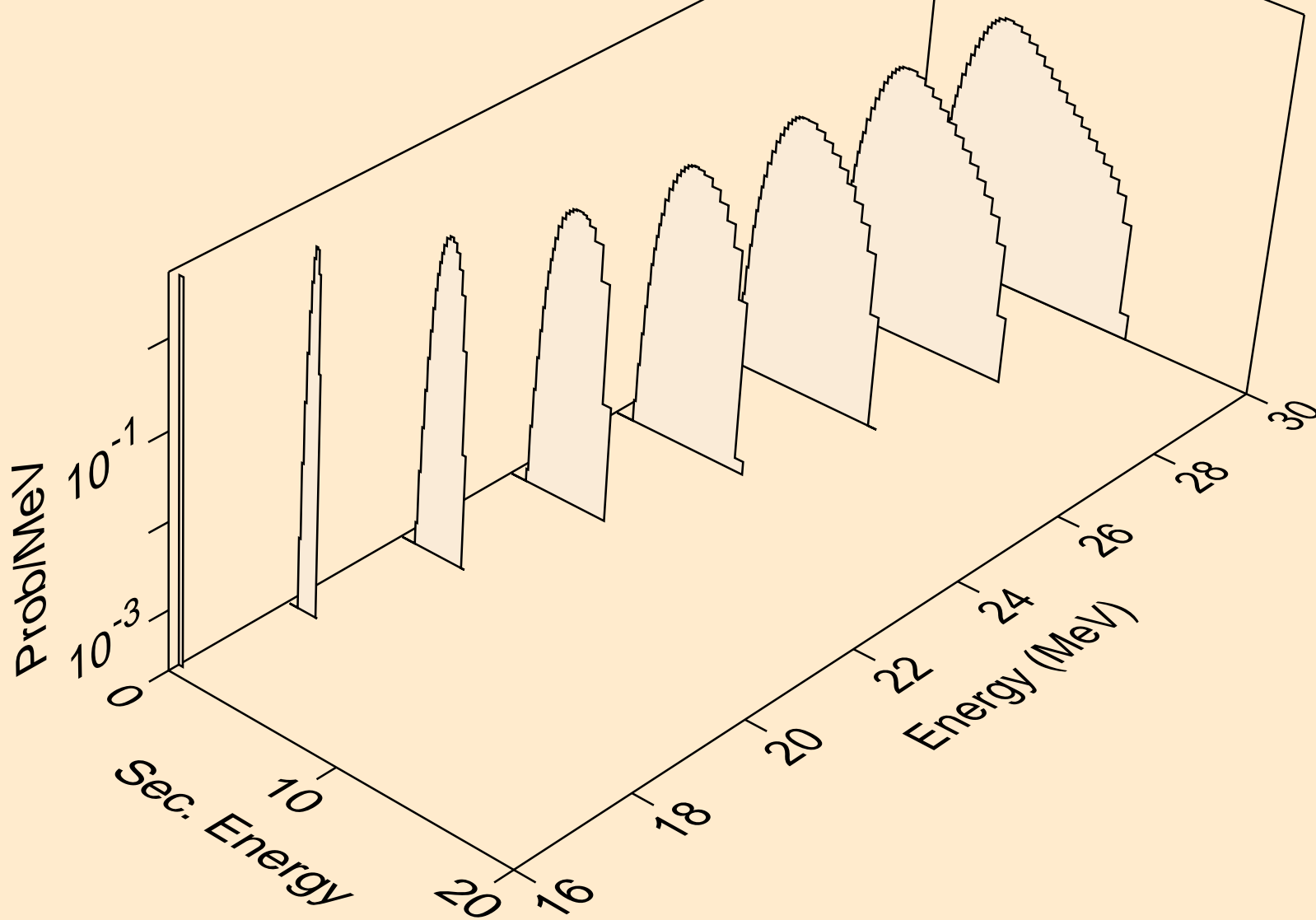
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neutrons from (a,npa)



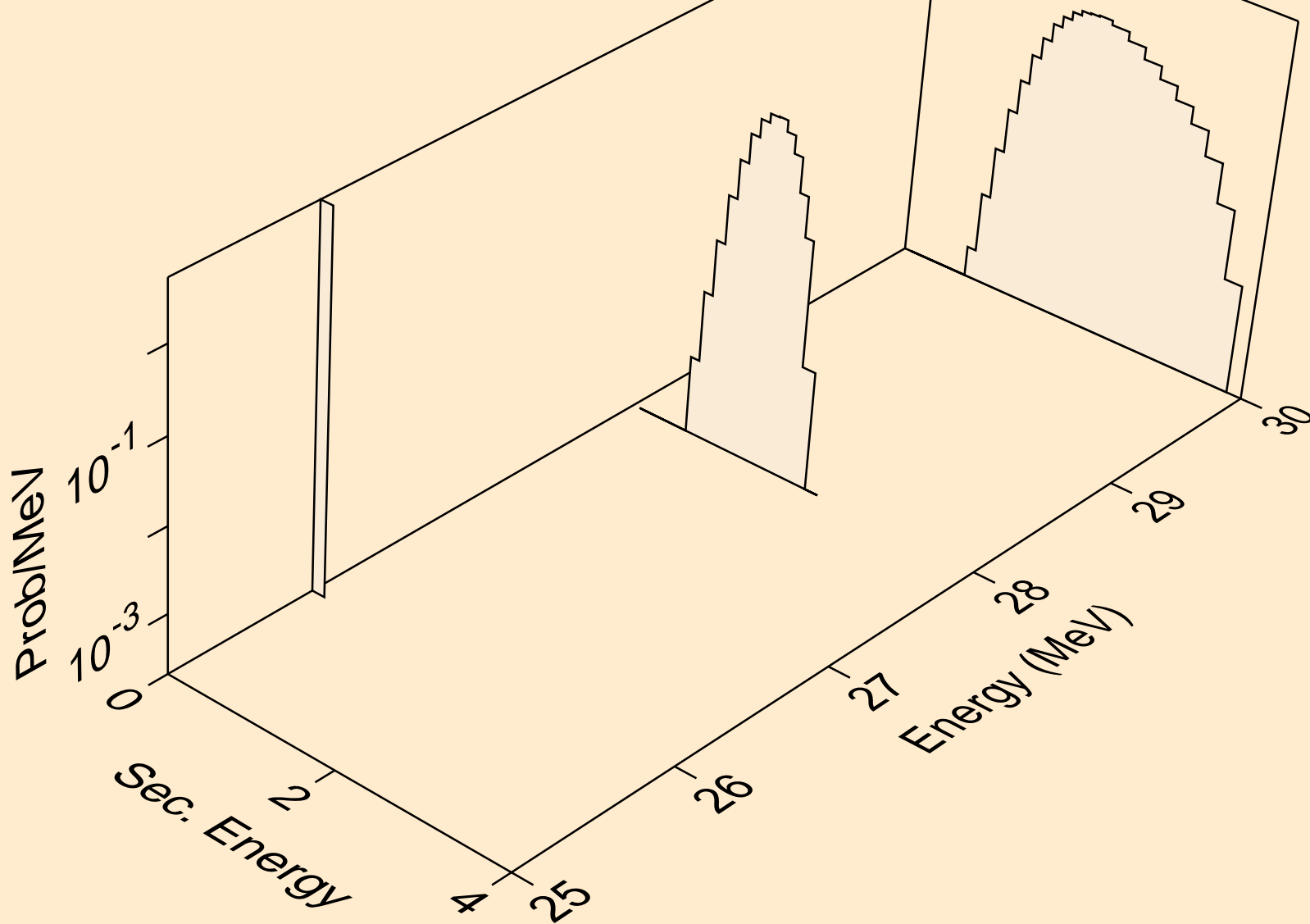
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protons from (a,x)



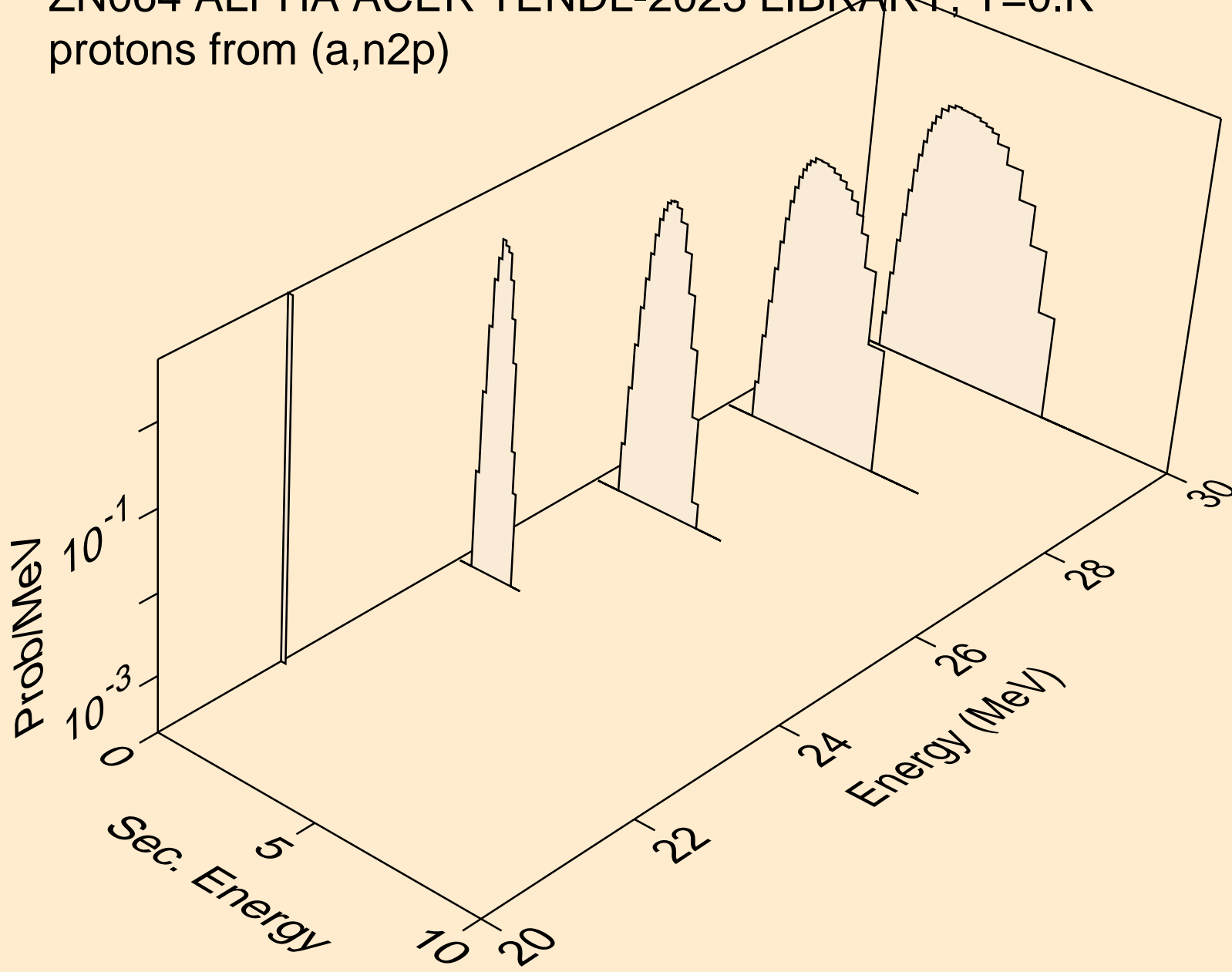
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protons from (a,n\*)p



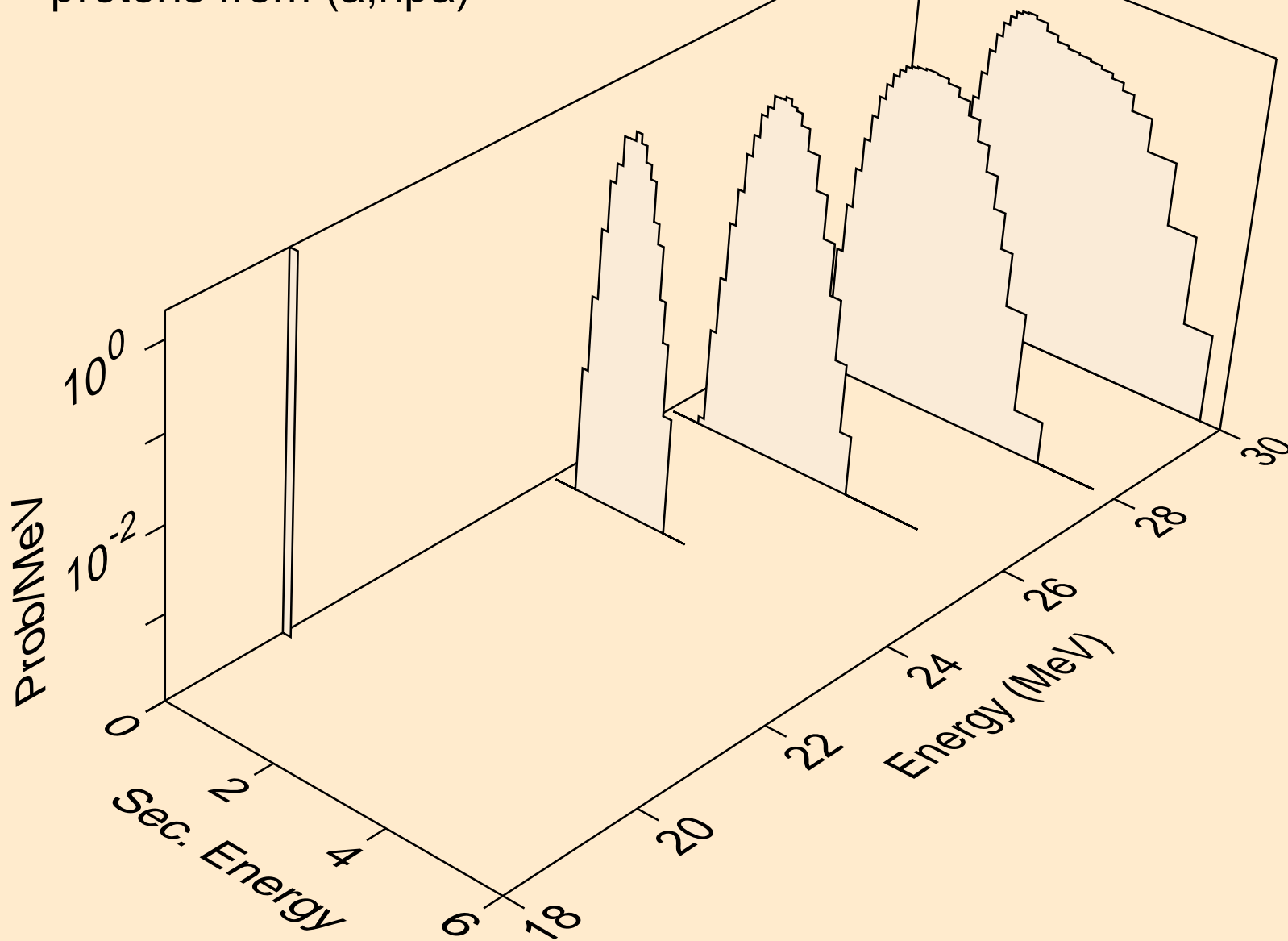
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protons from (a,2np)



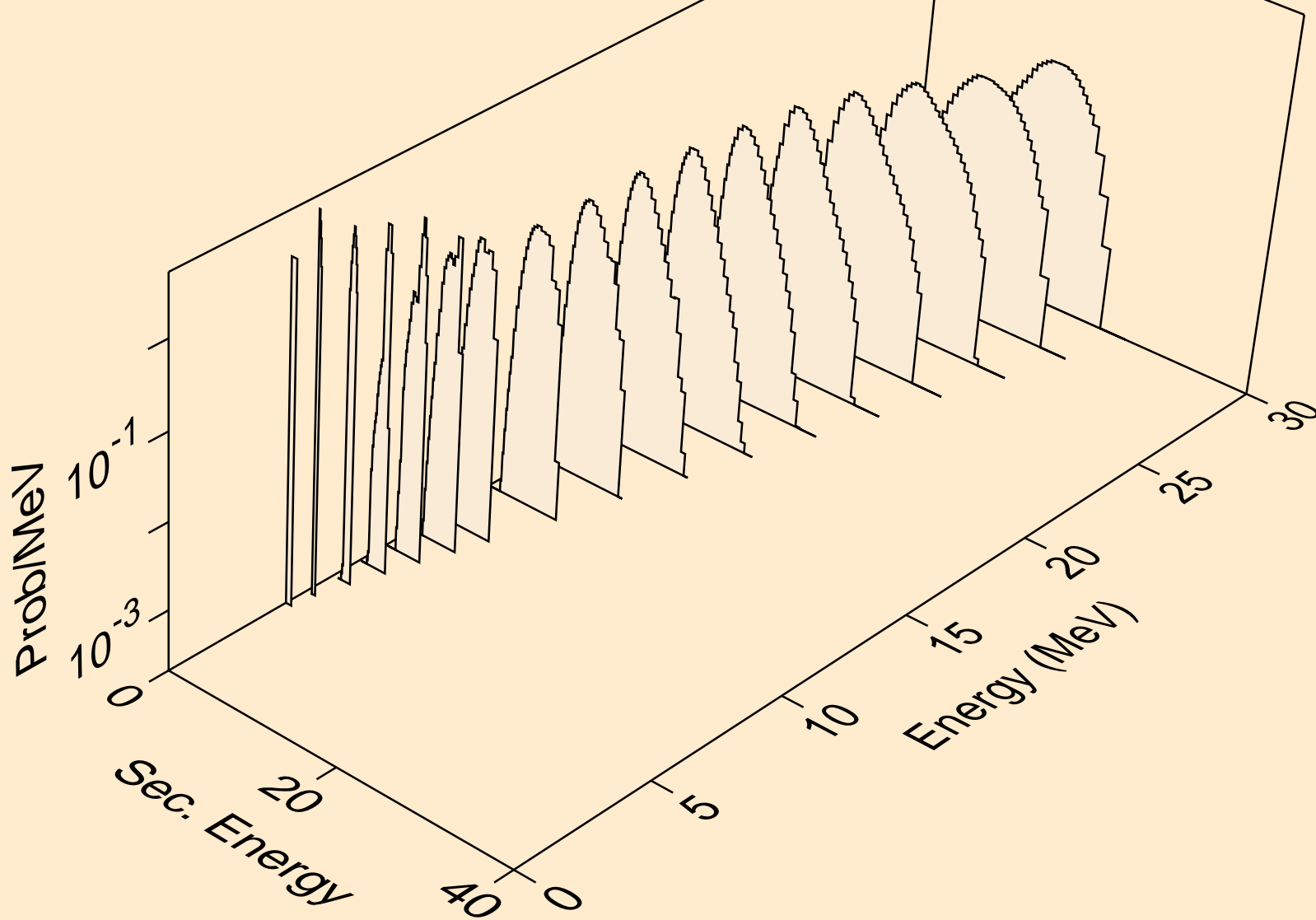
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protons from (a,n2p)



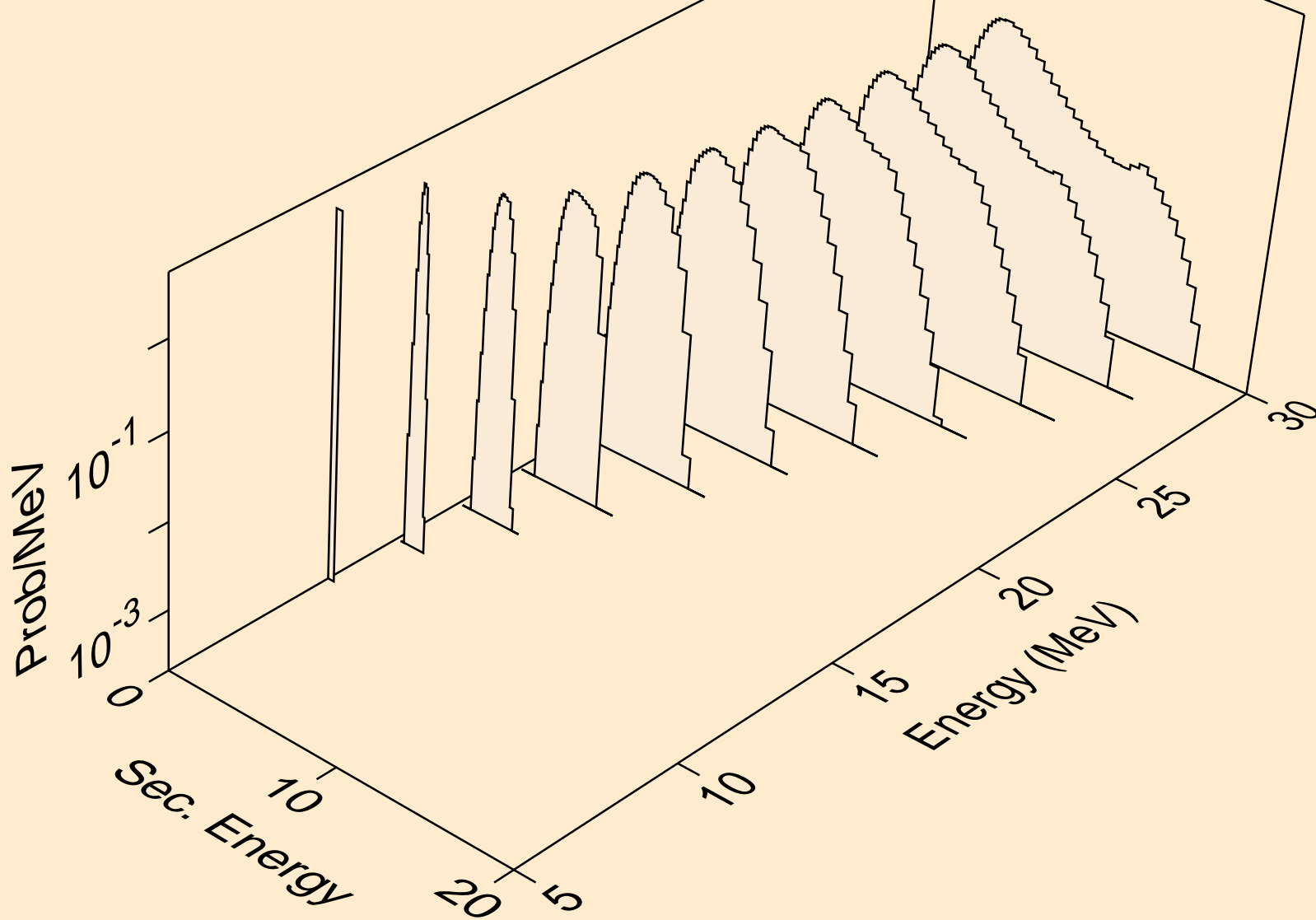
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,npa)



ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,p)

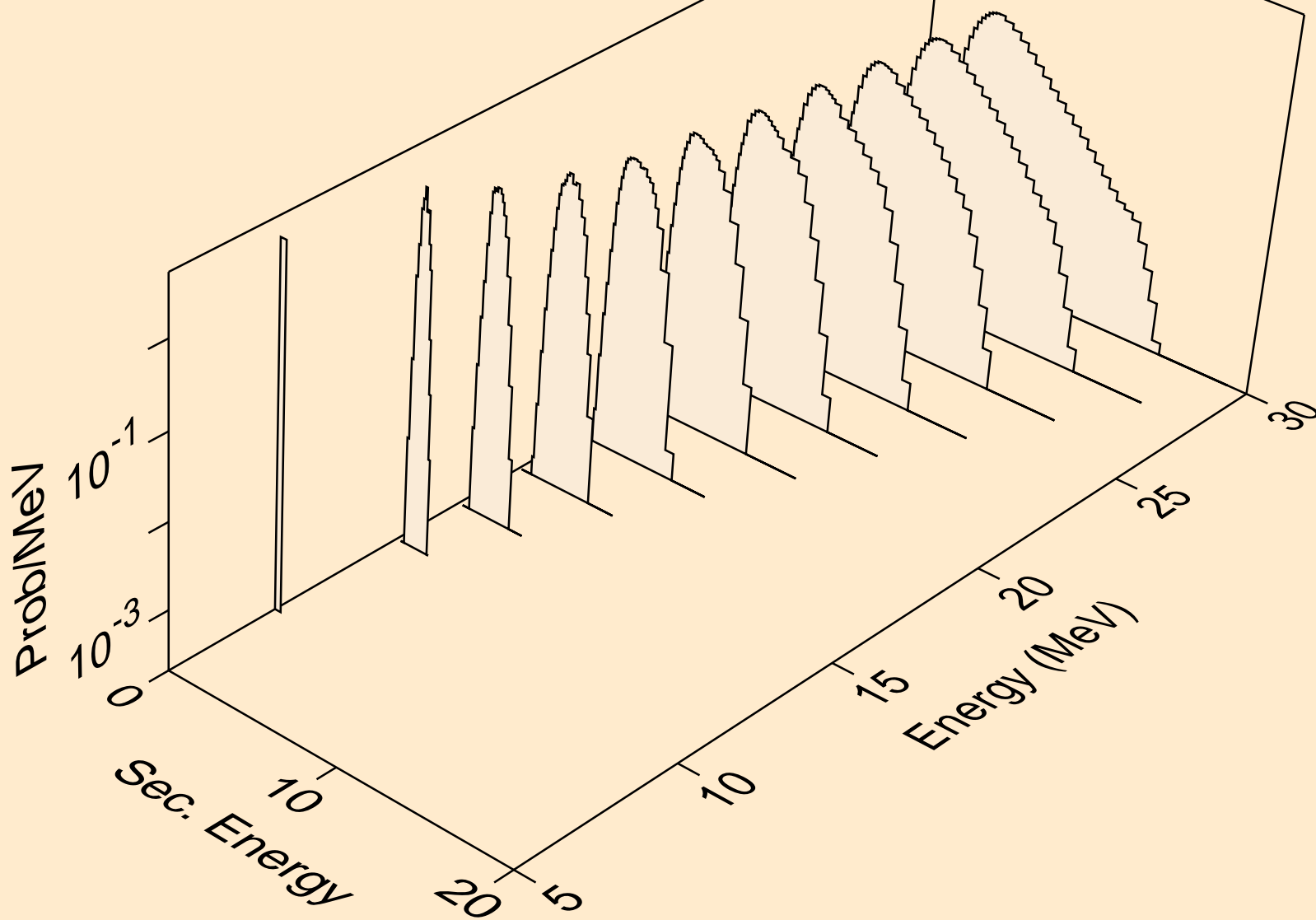


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protons from (a,2p)

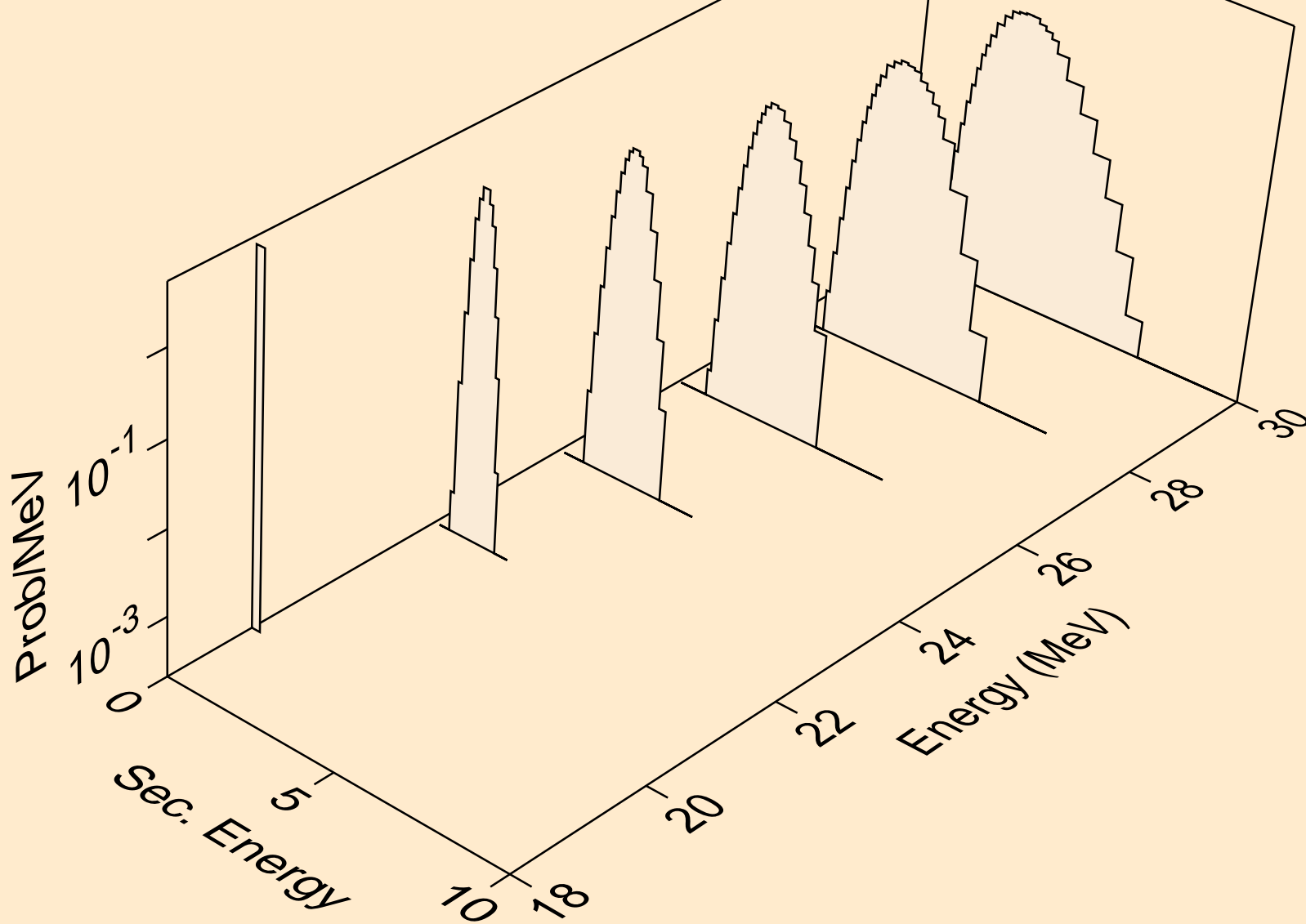




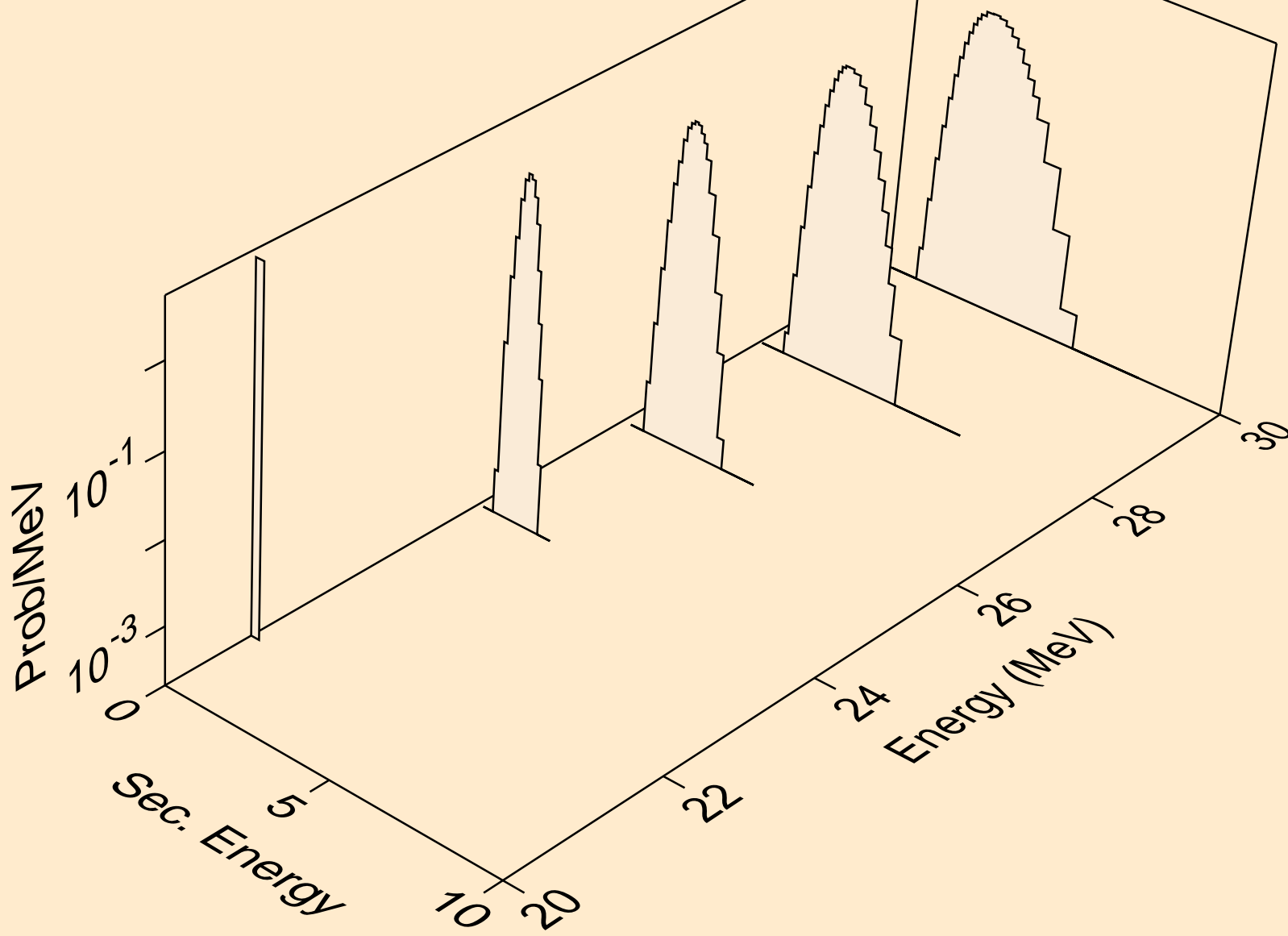
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protons from (a,pa)



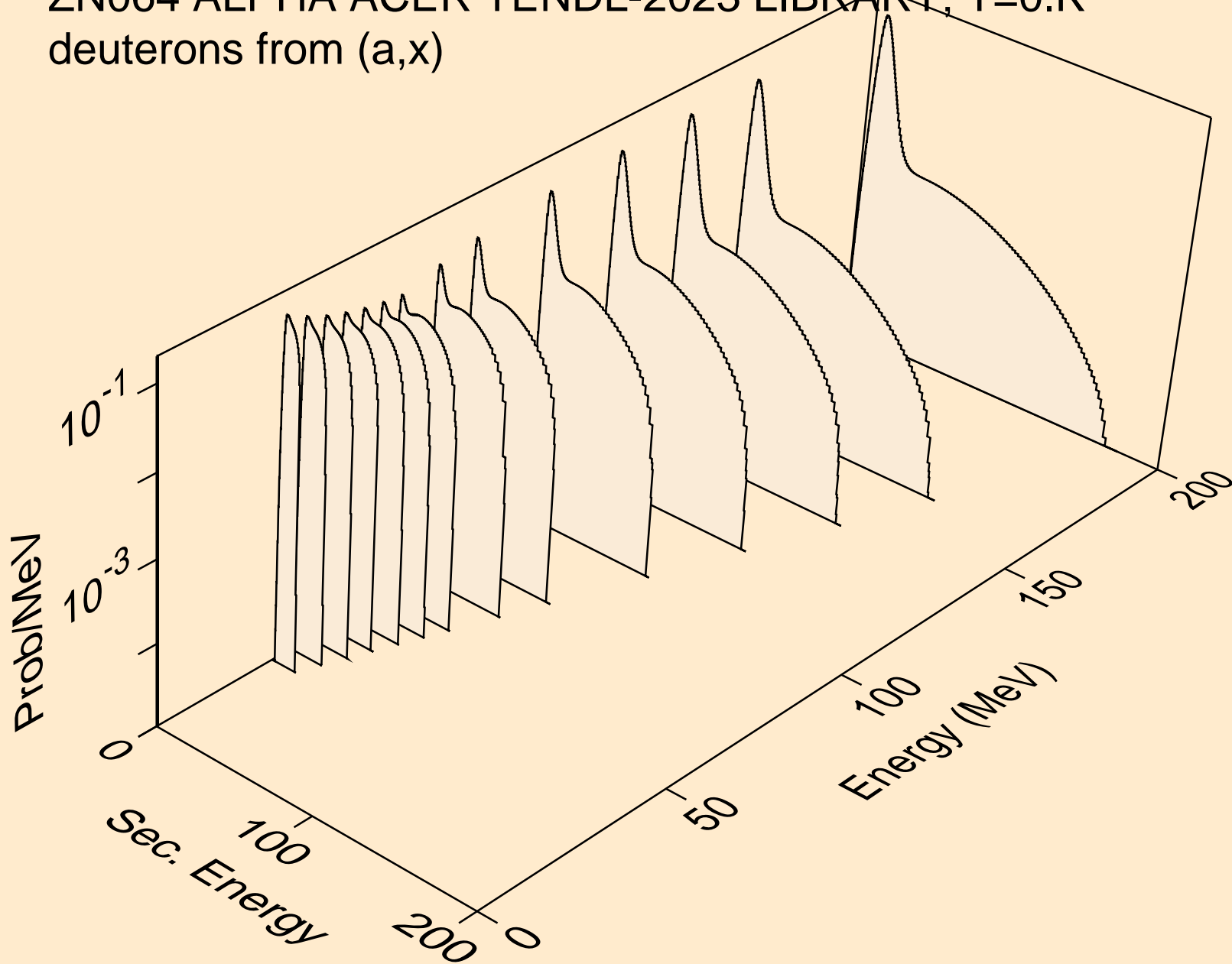
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protons from (a,pd)



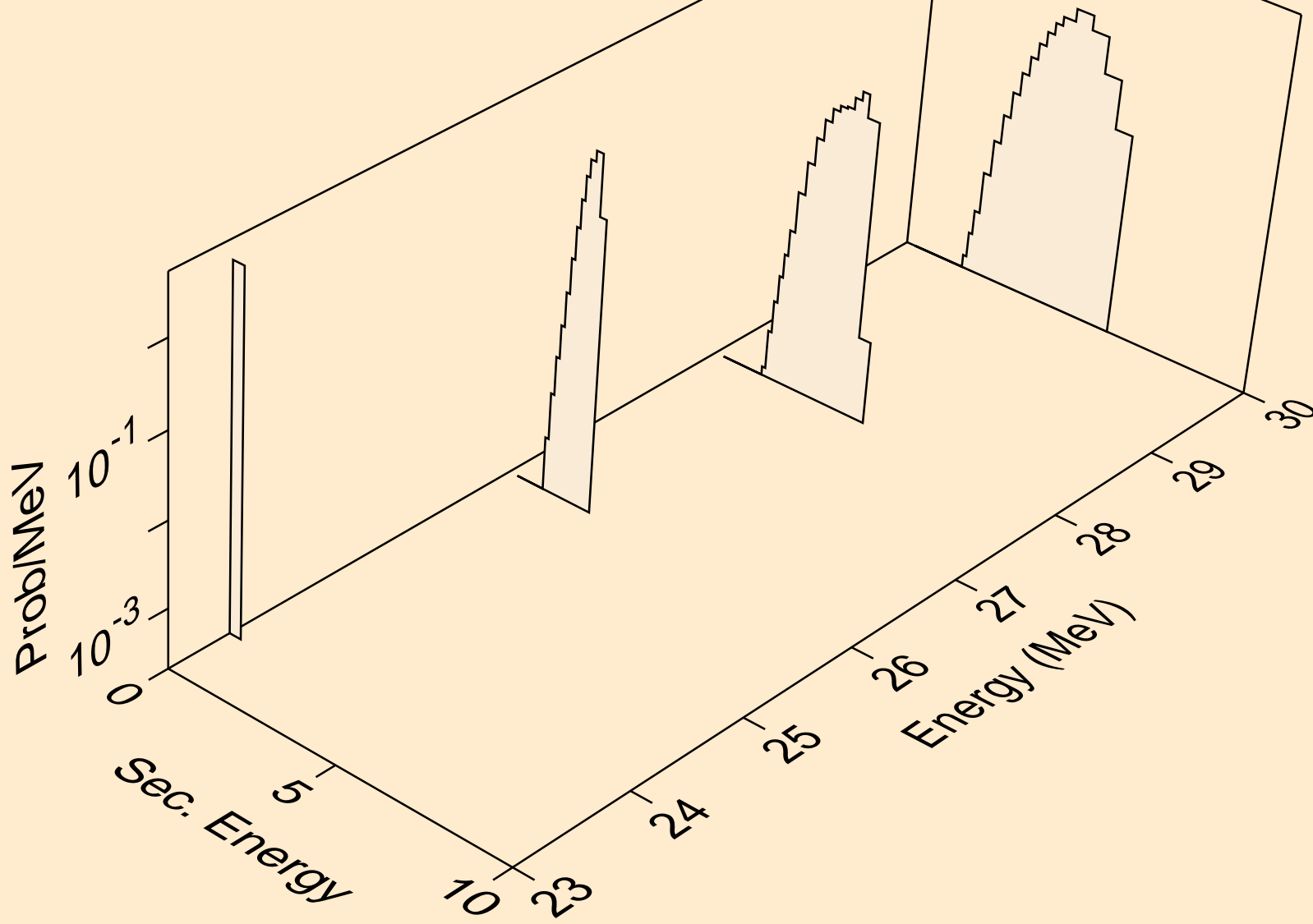
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,pt)



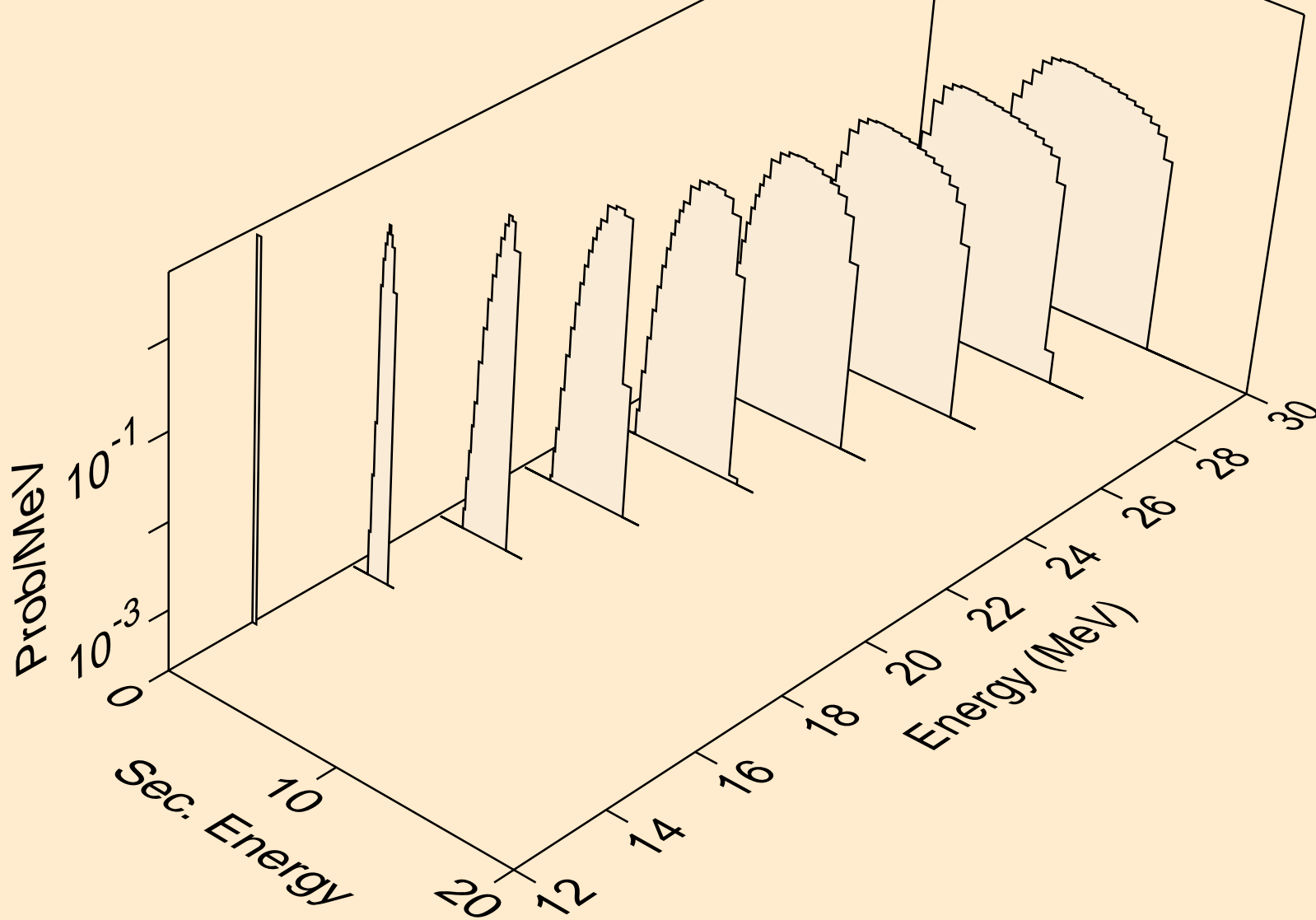
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,x)



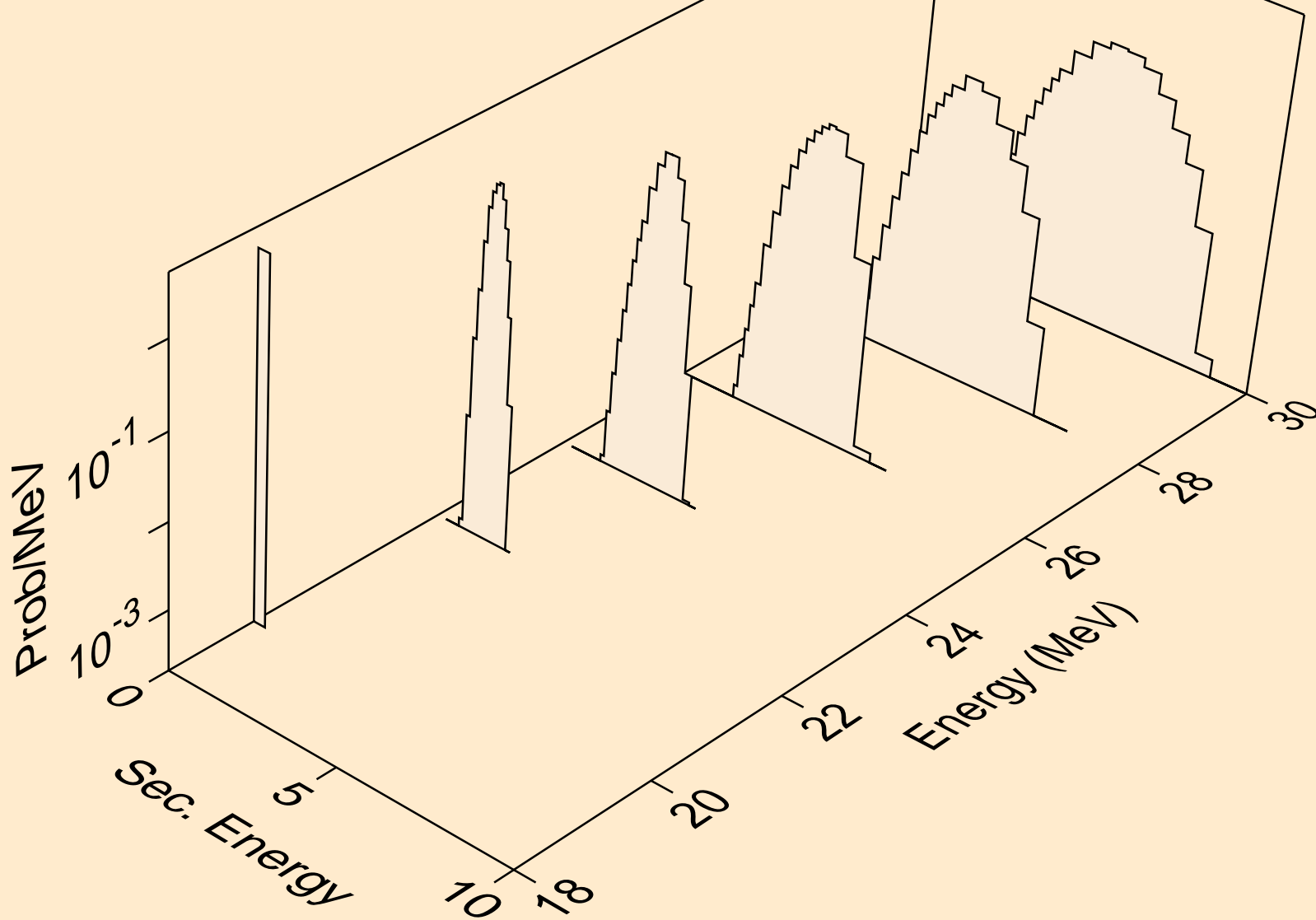
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,n\*)d



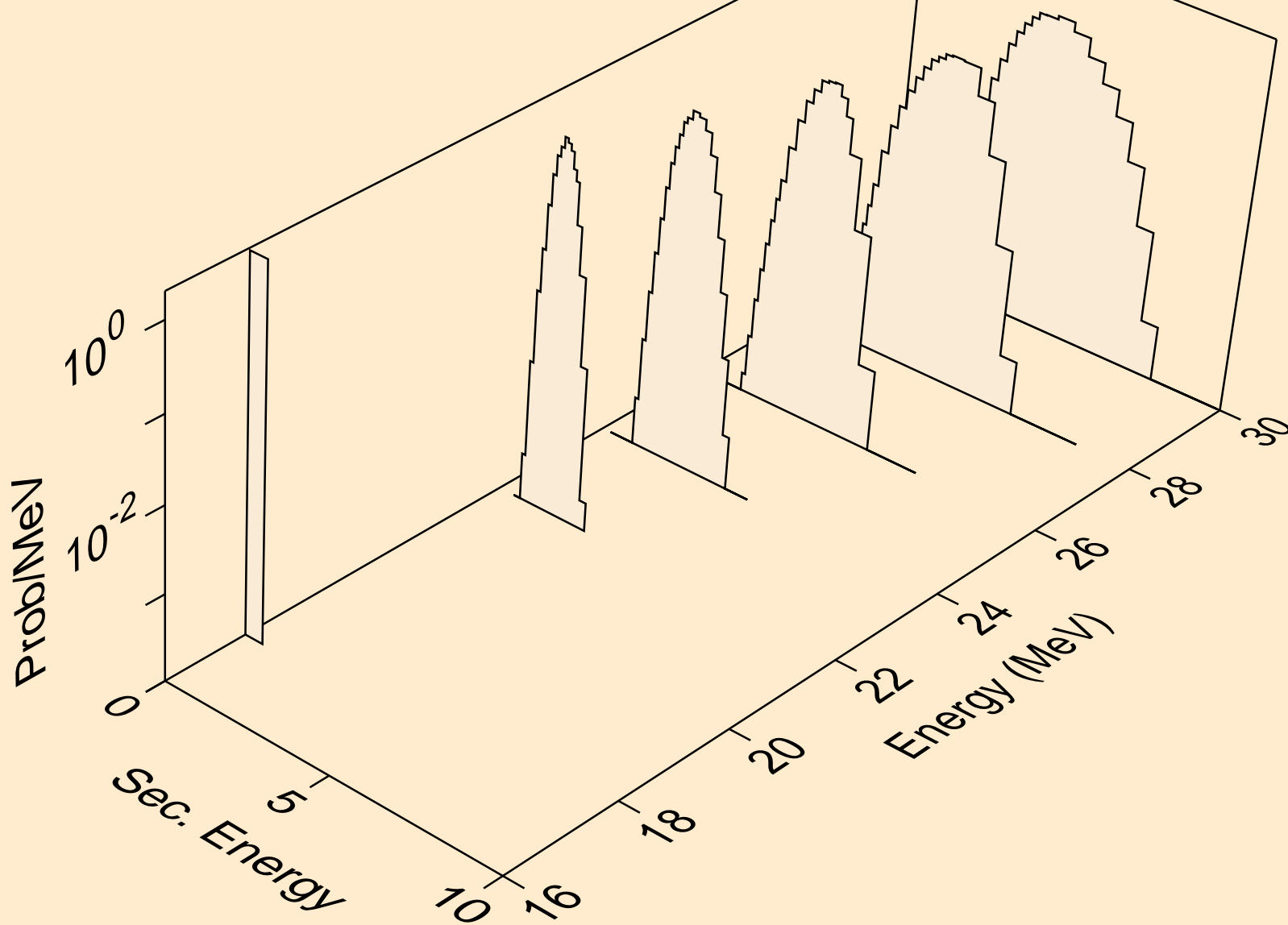
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,d)



ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,pd)

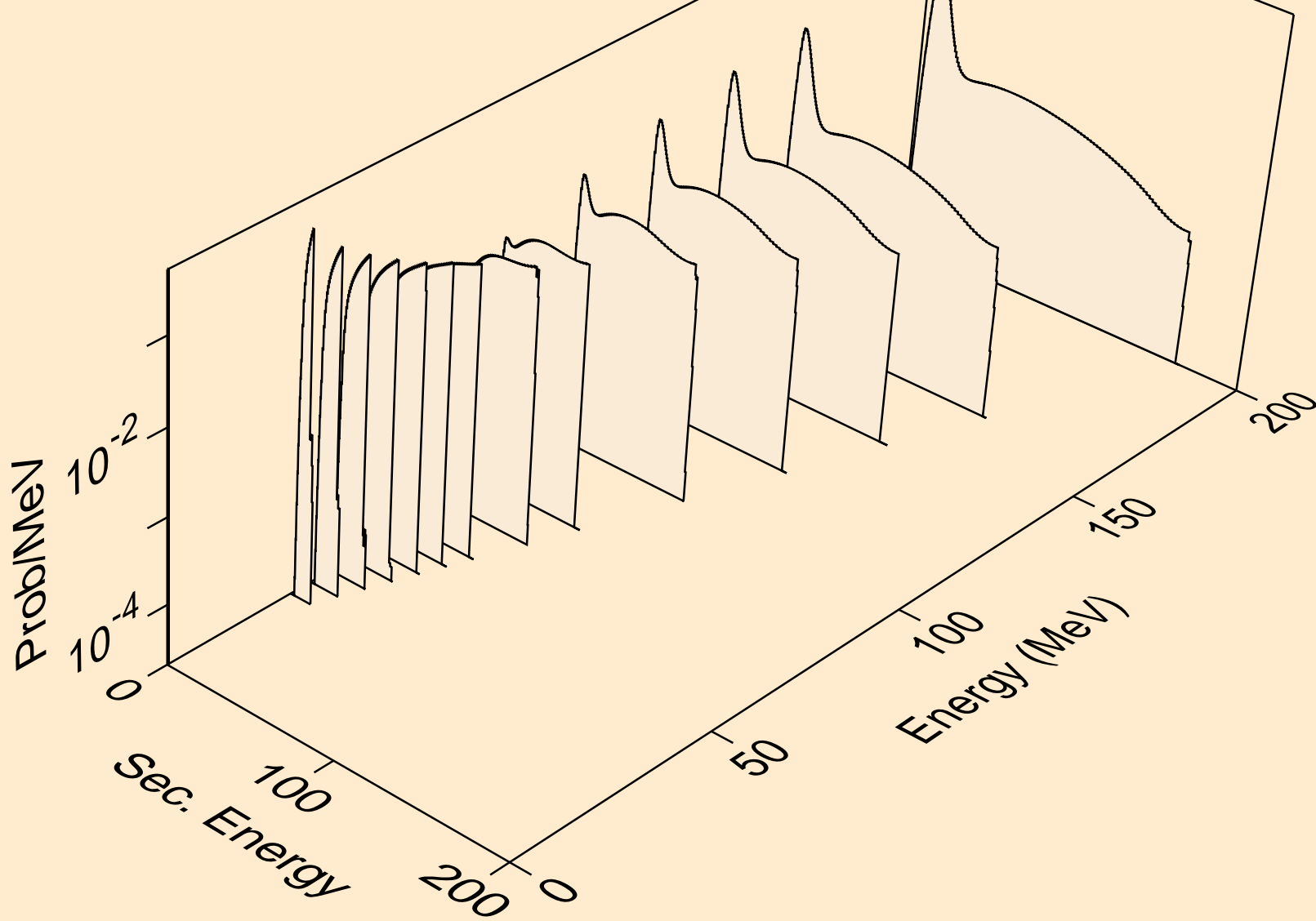


ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,da)

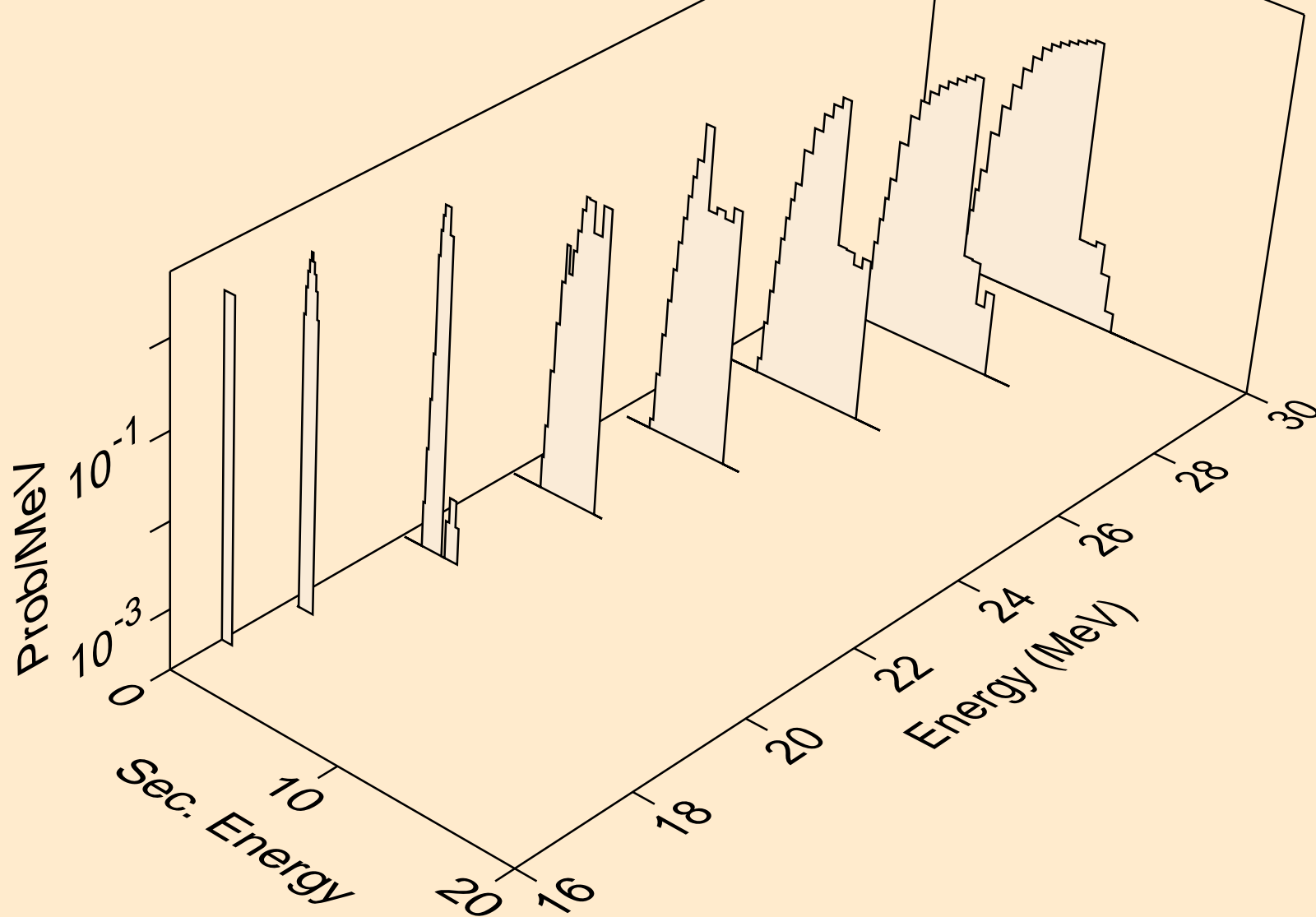




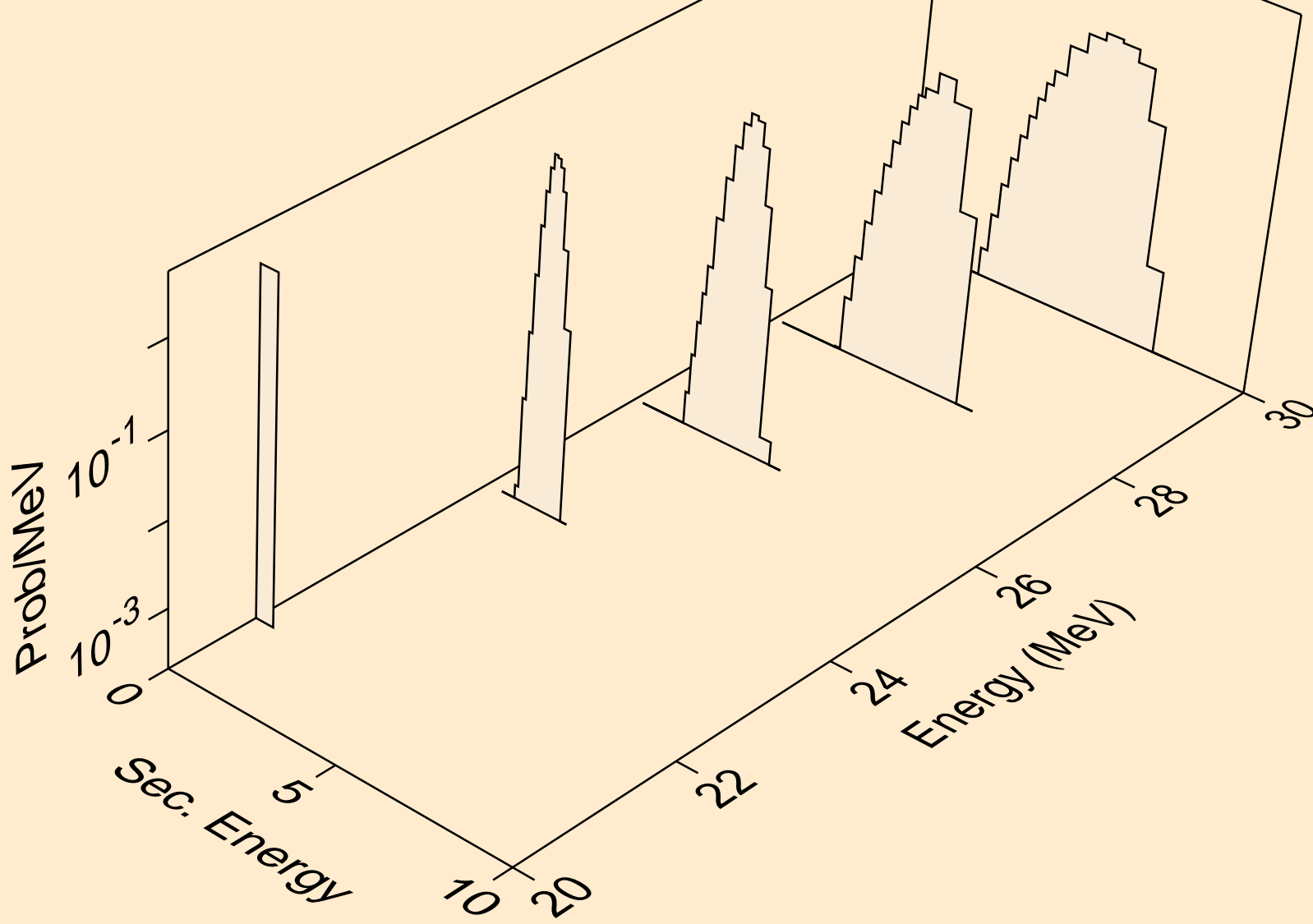
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,x)



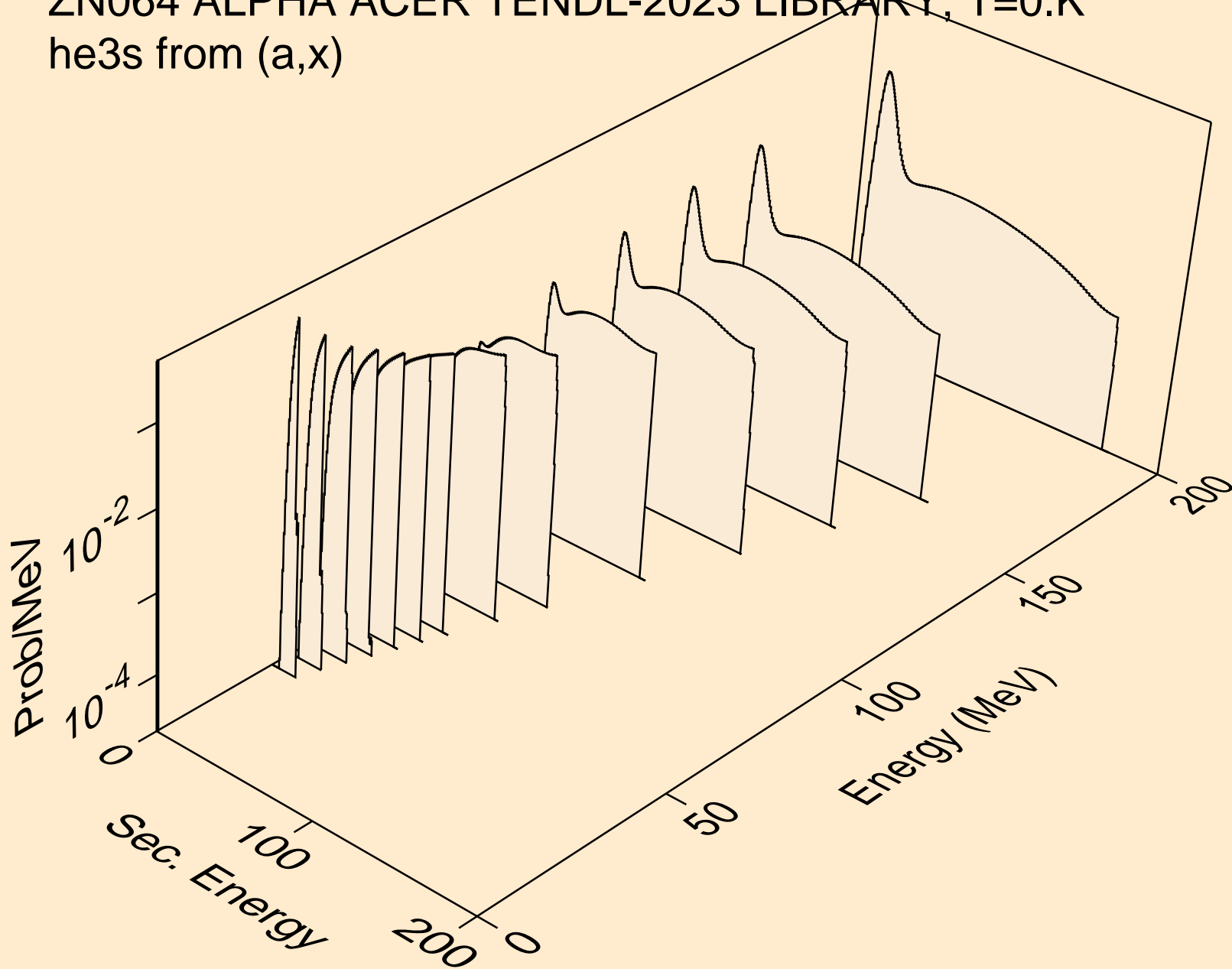
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tritons from (a,t)



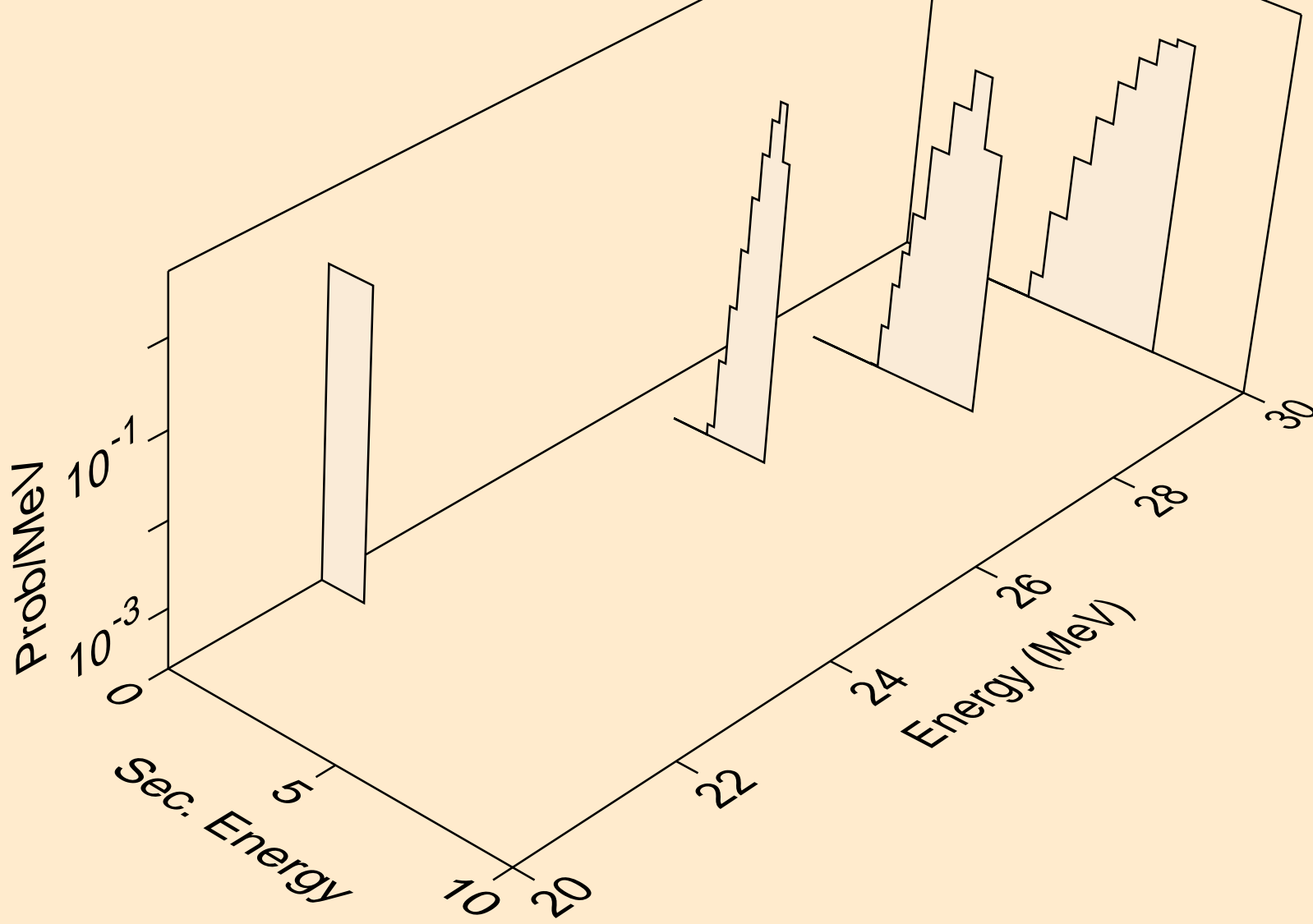
ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,pt)



ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,x)



ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,n\*)he3



ZN064 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,he3)

