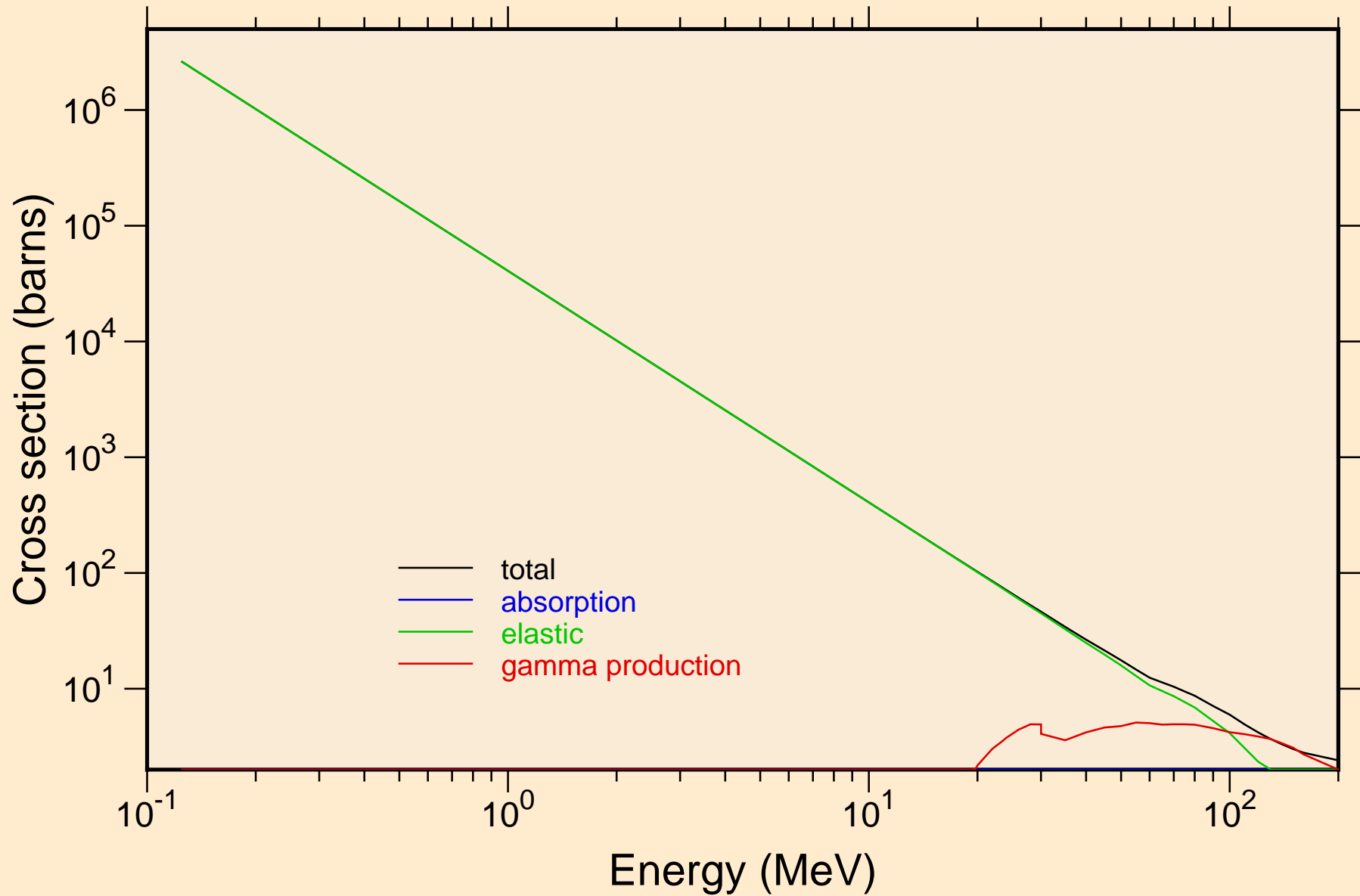
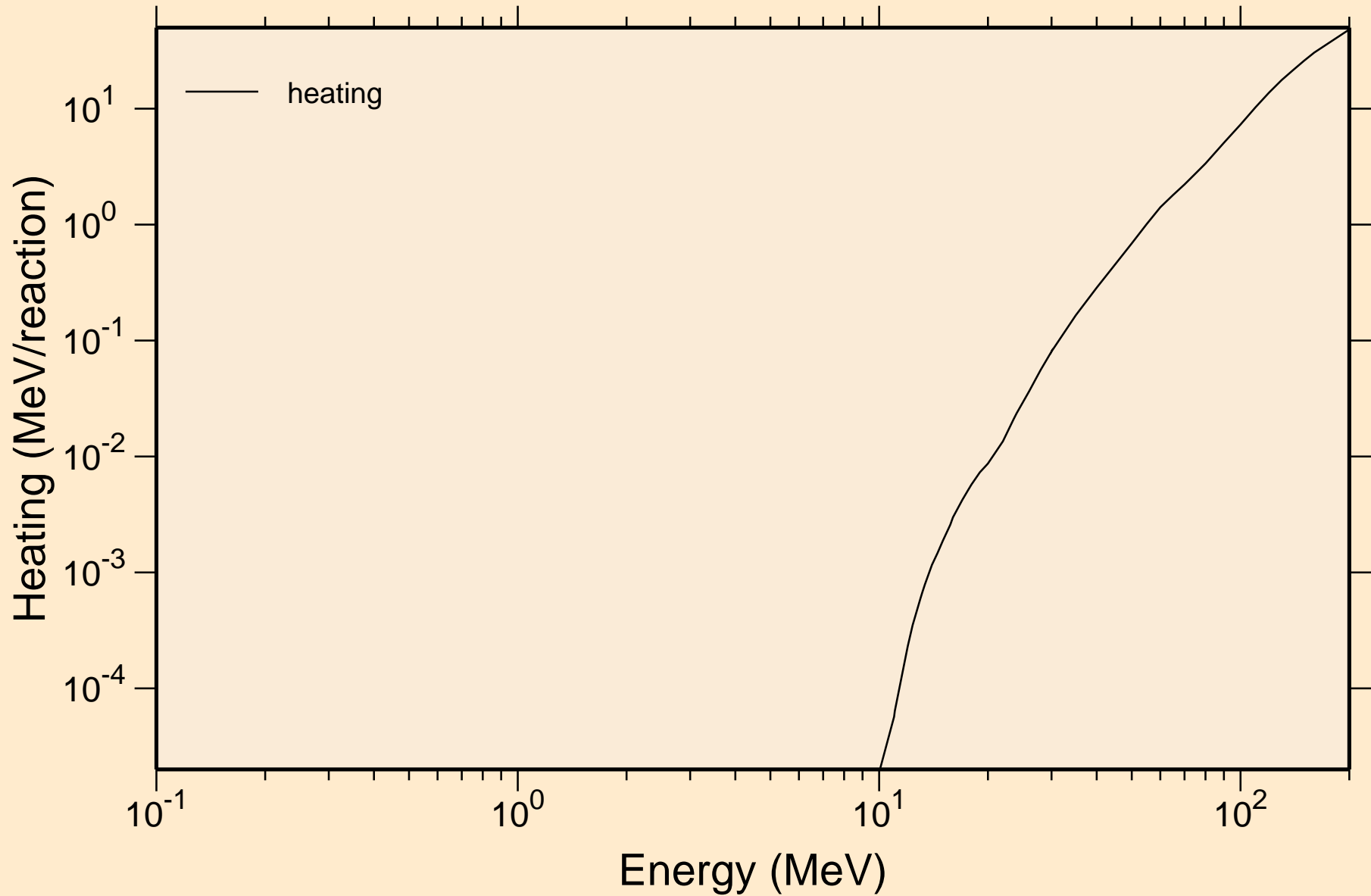


Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Principal cross sections



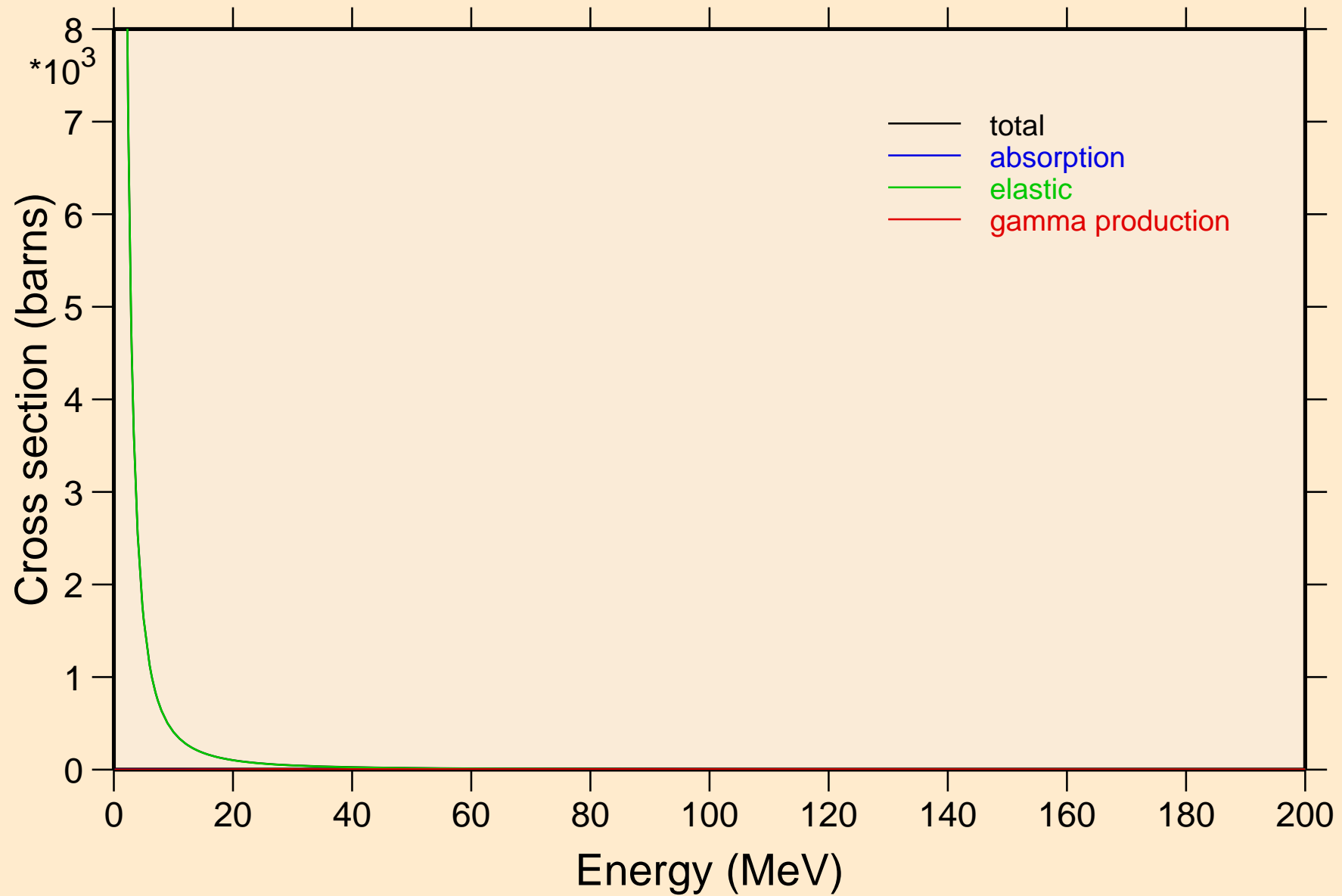
Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Heating



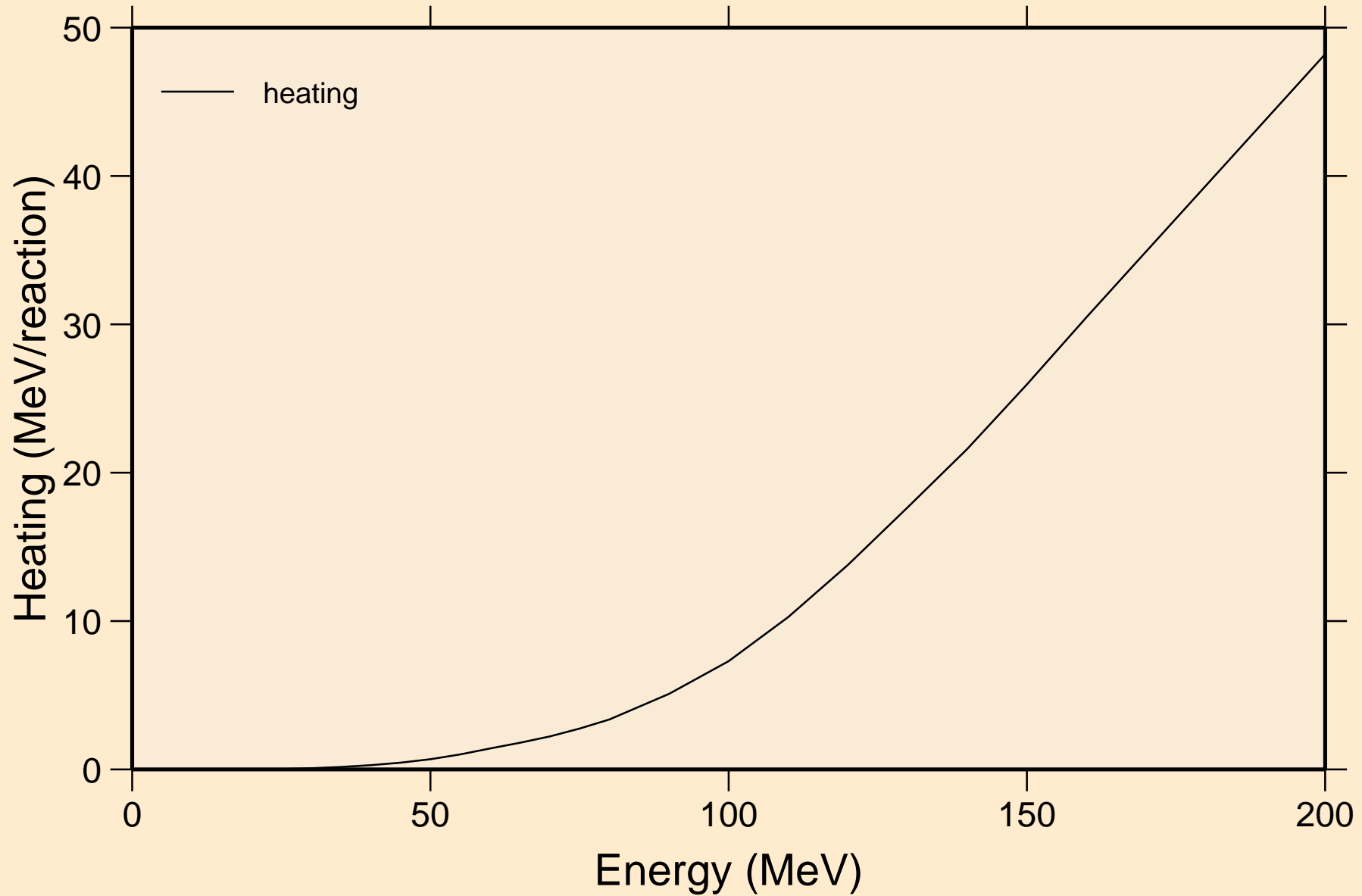
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Principal cross sections



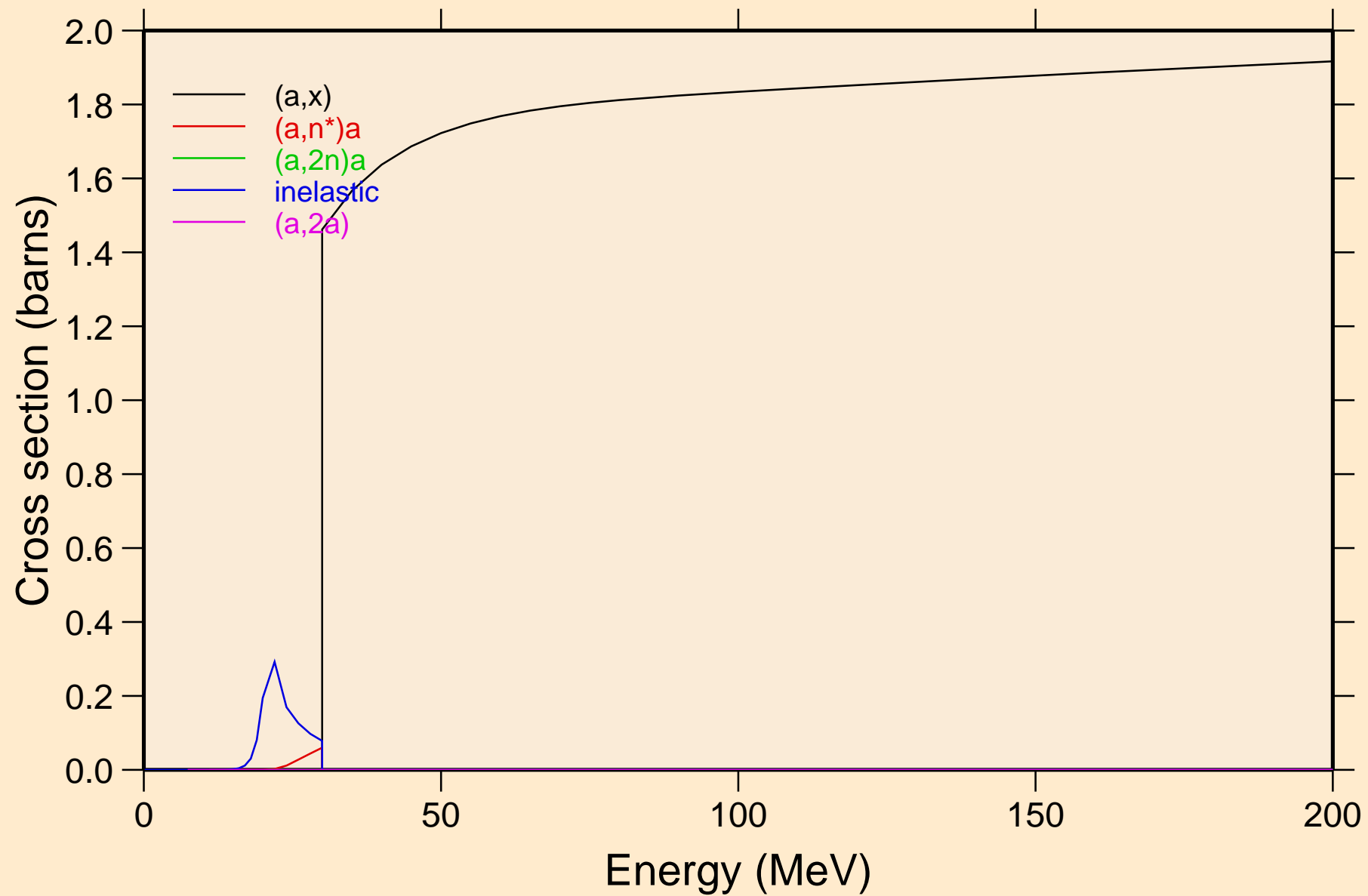
Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Heating

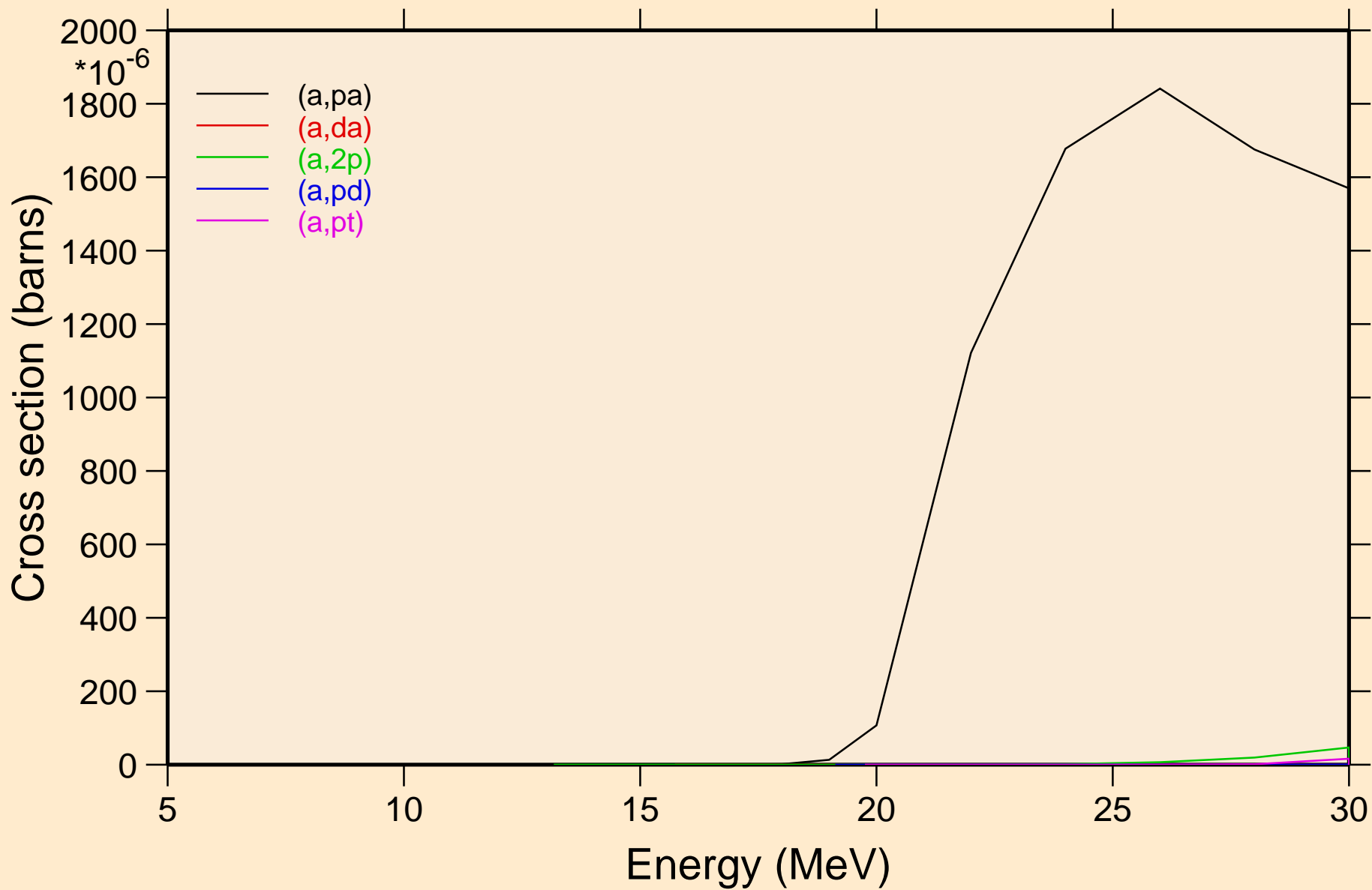


# Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

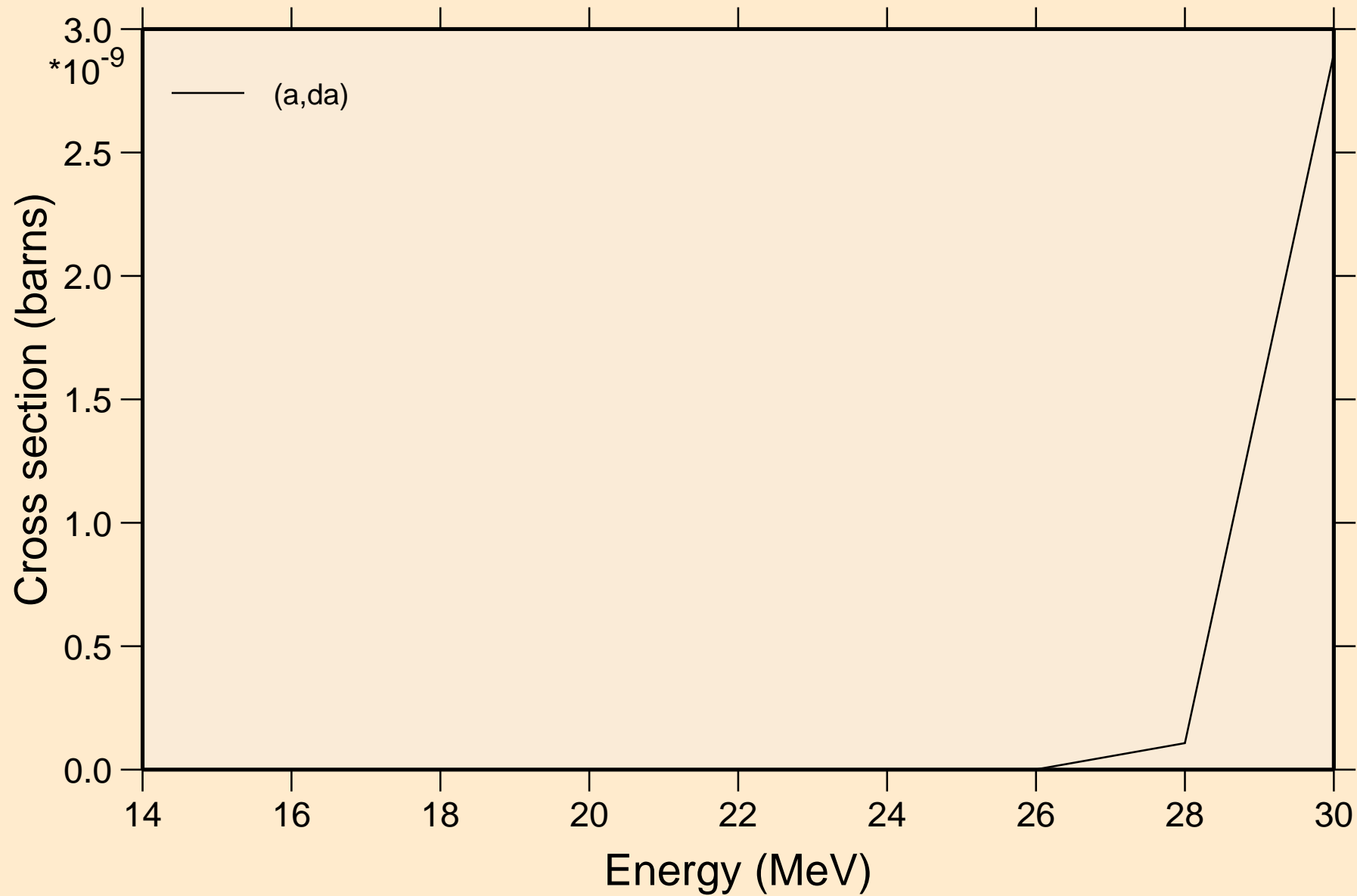
## Threshold reactions



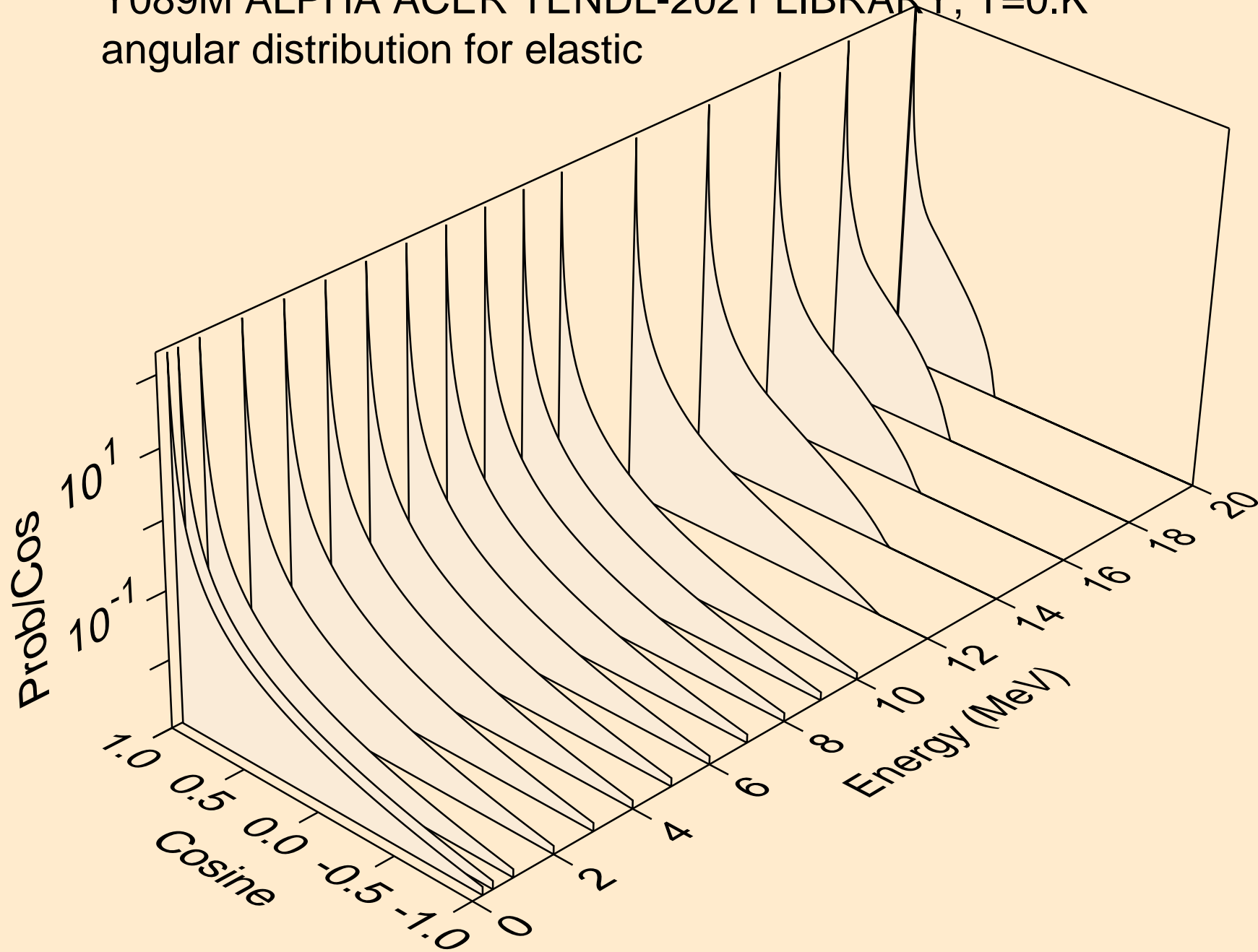
Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

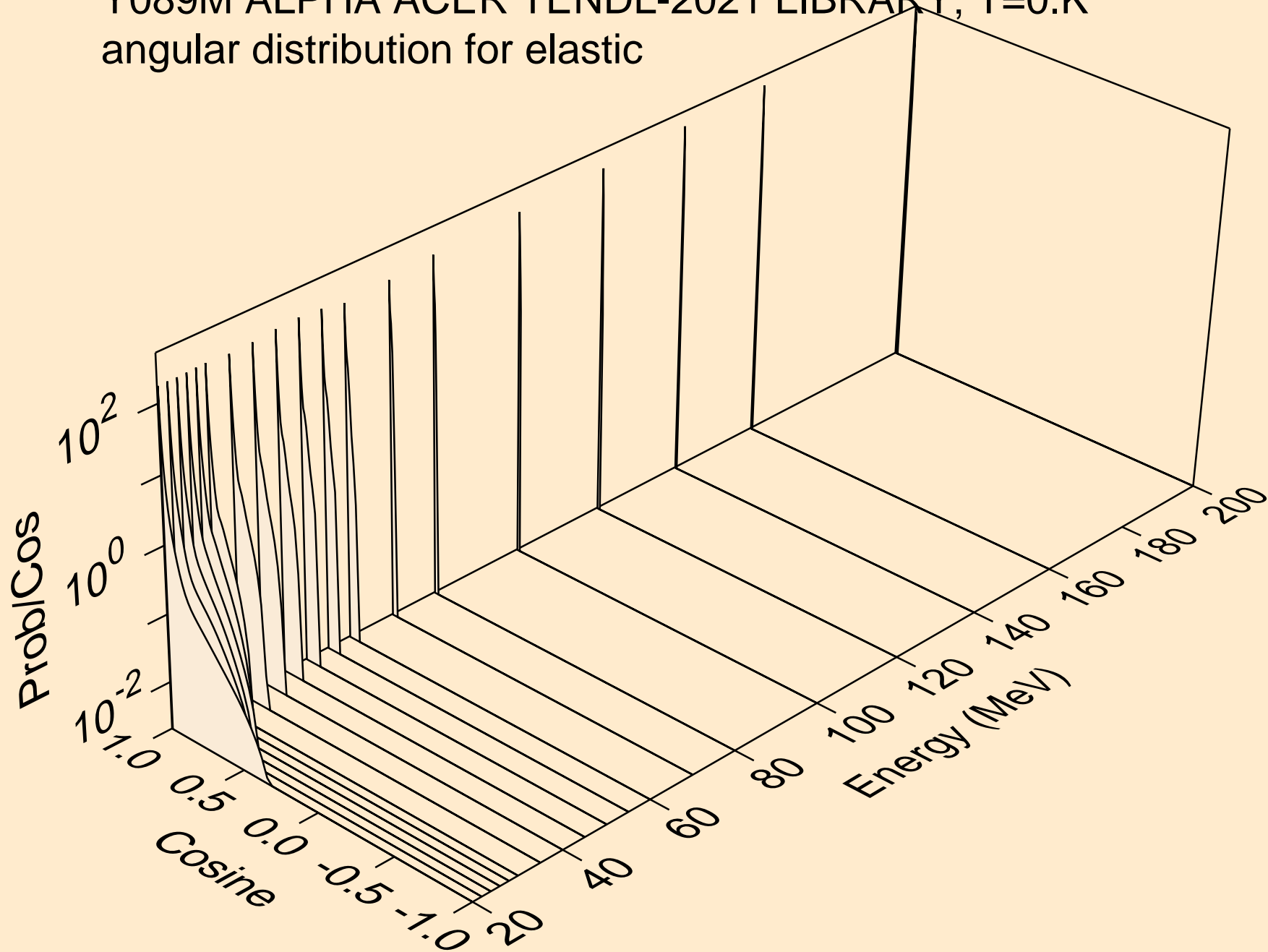


Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic

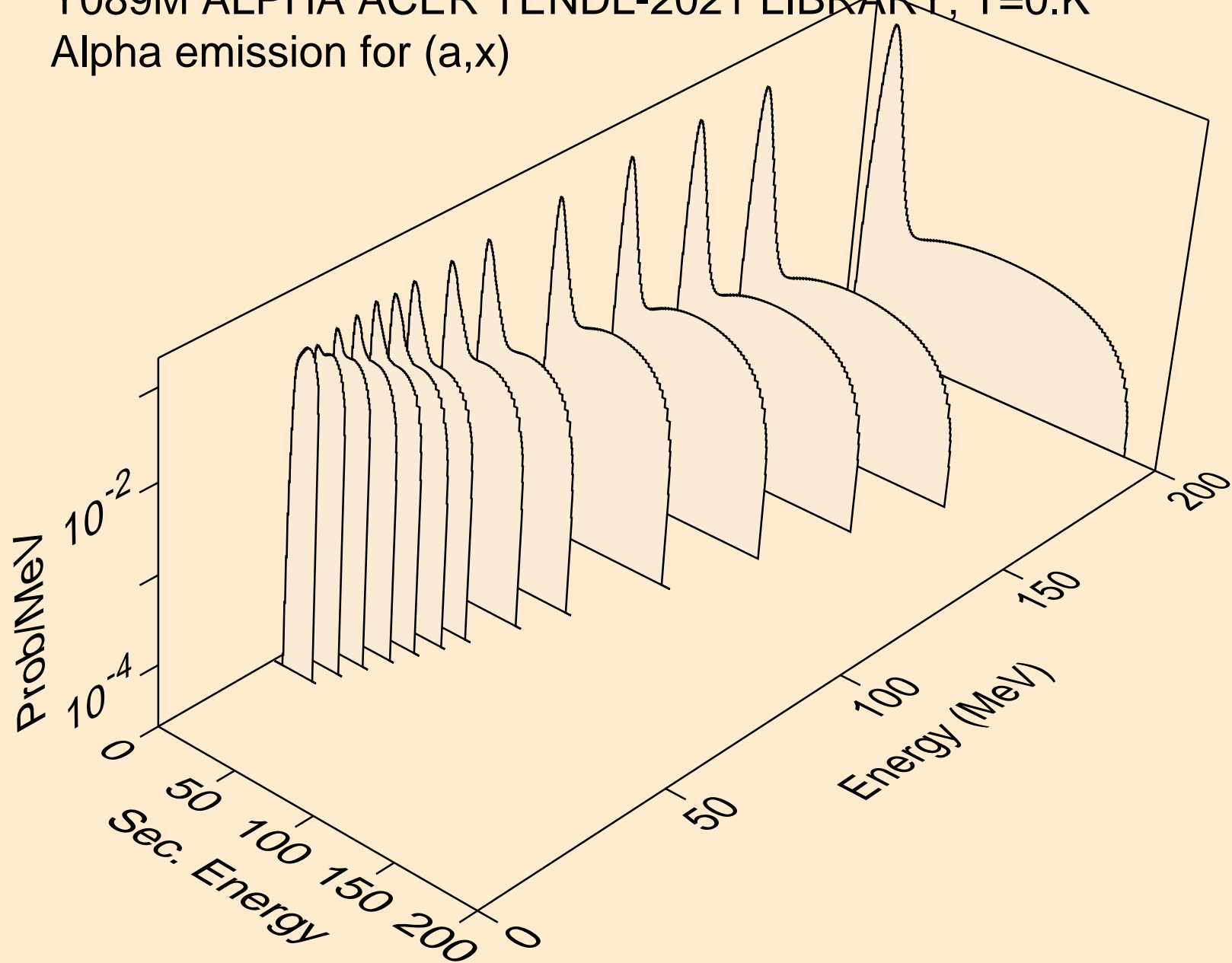




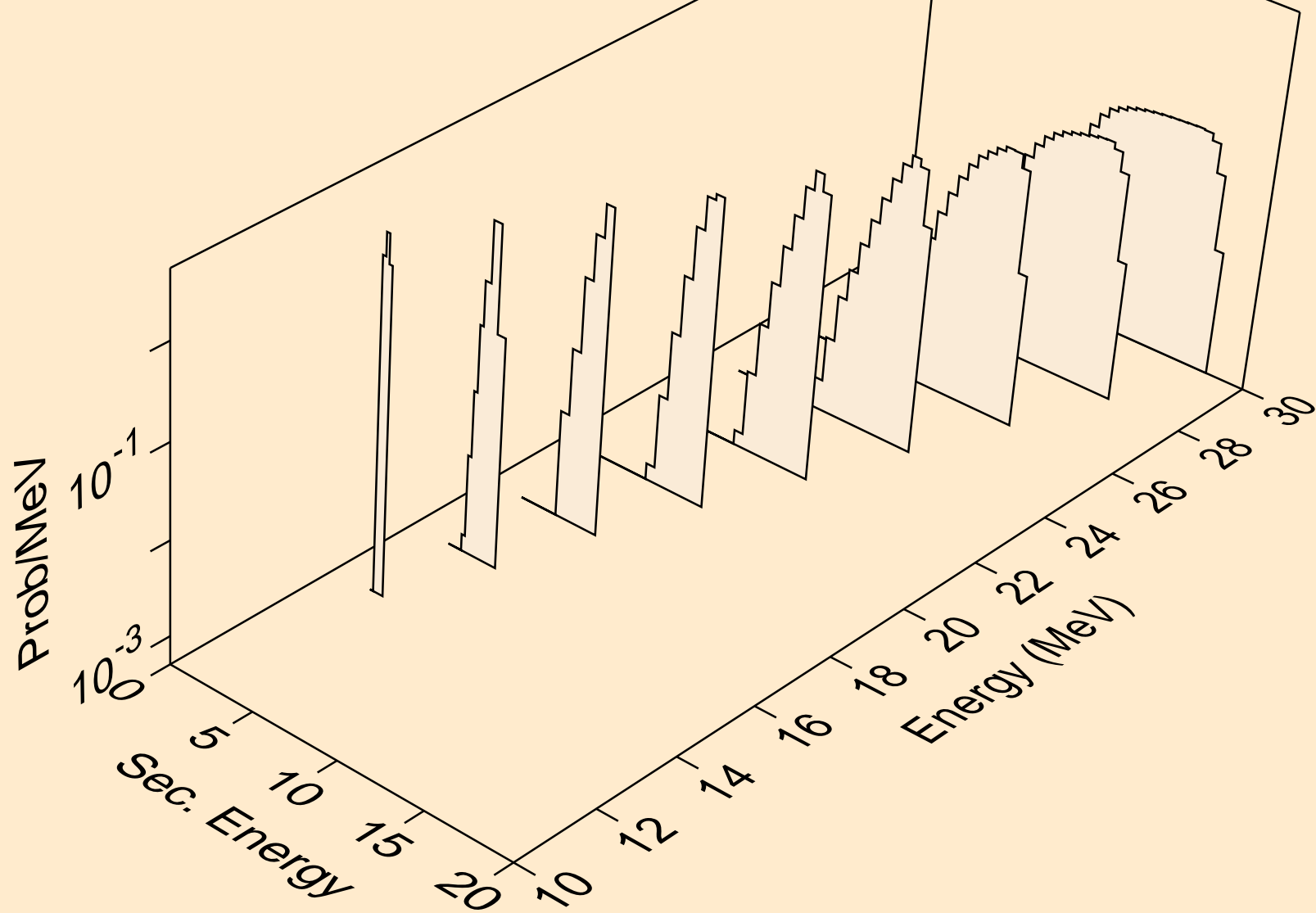
Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



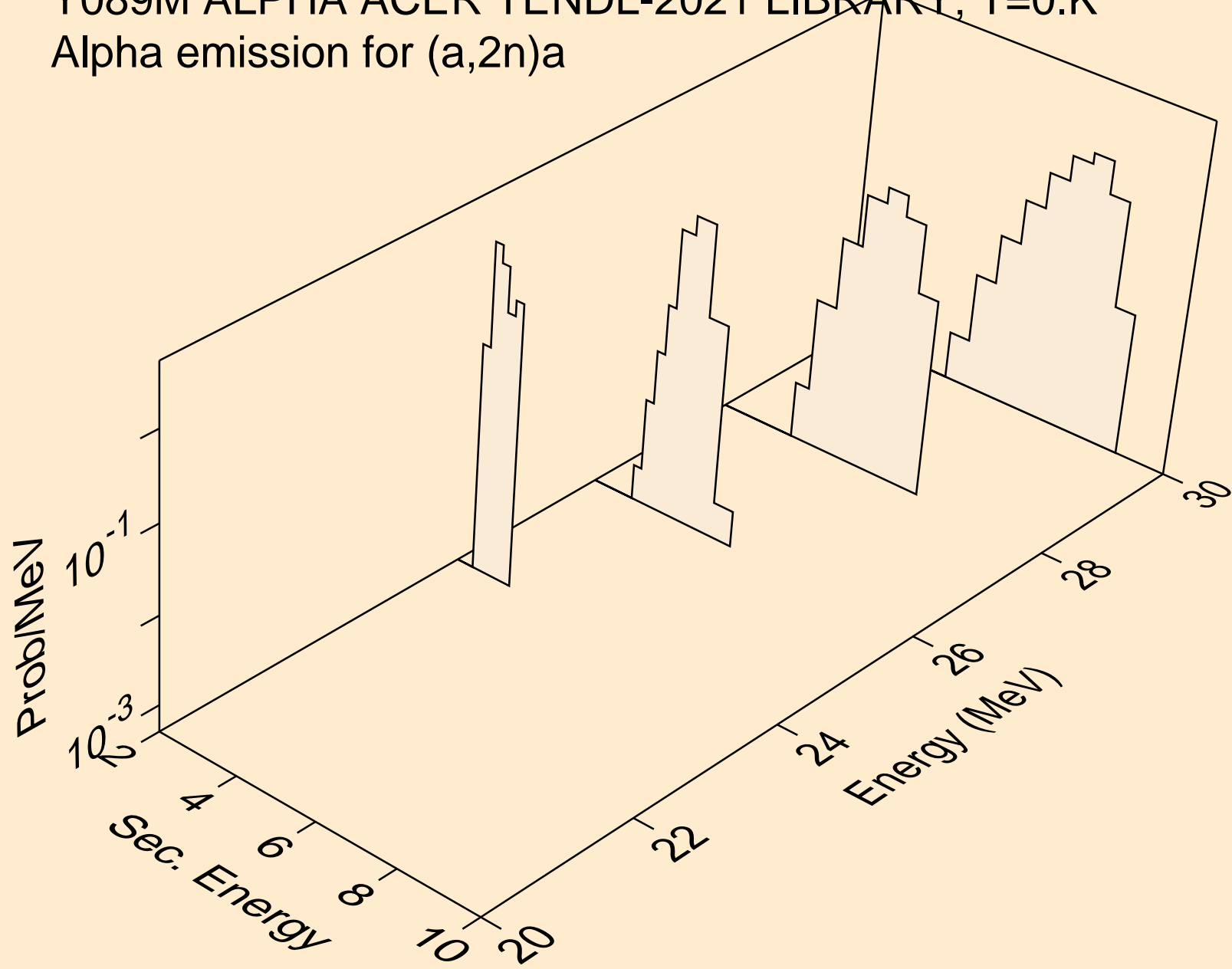
Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,x)



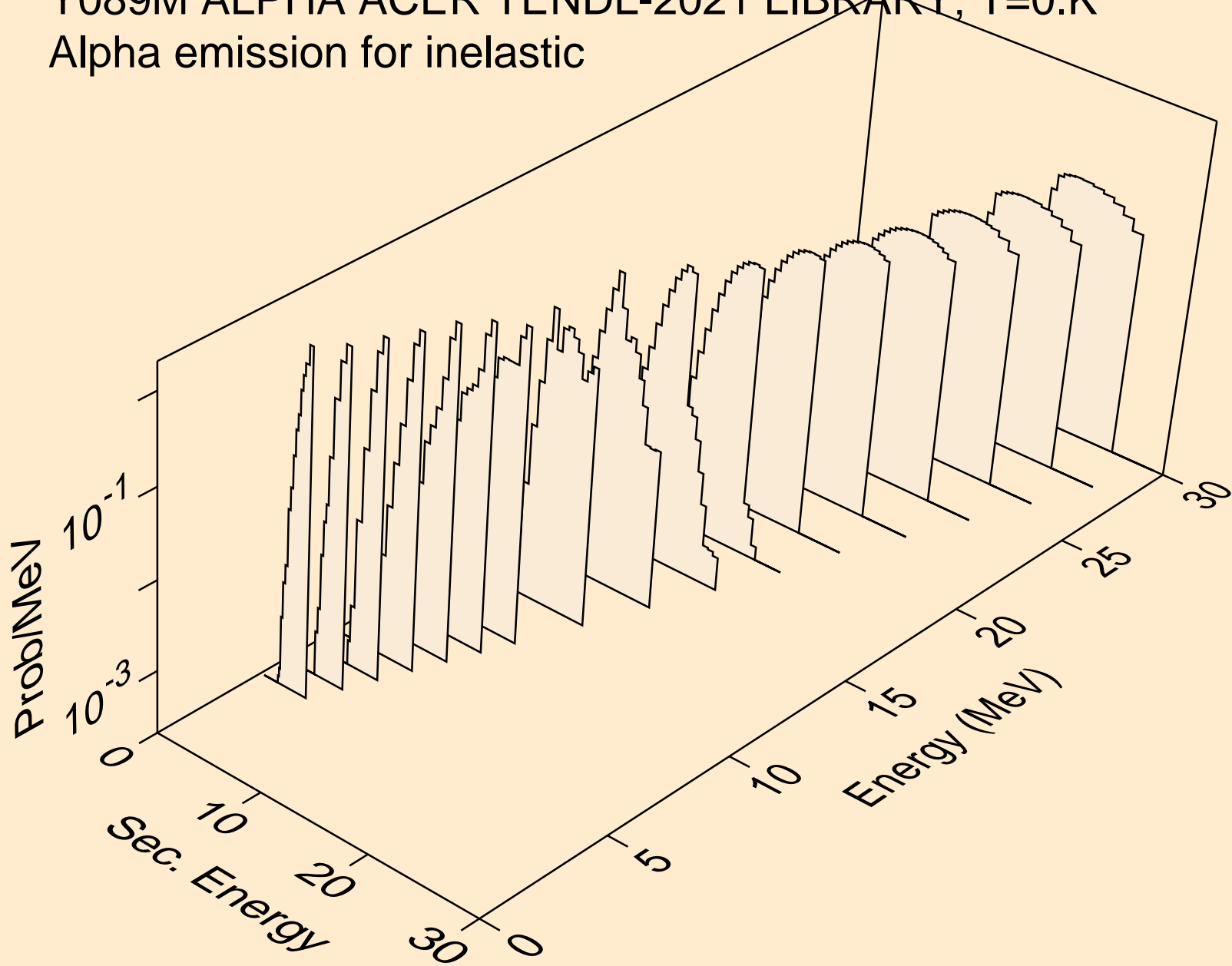
Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a



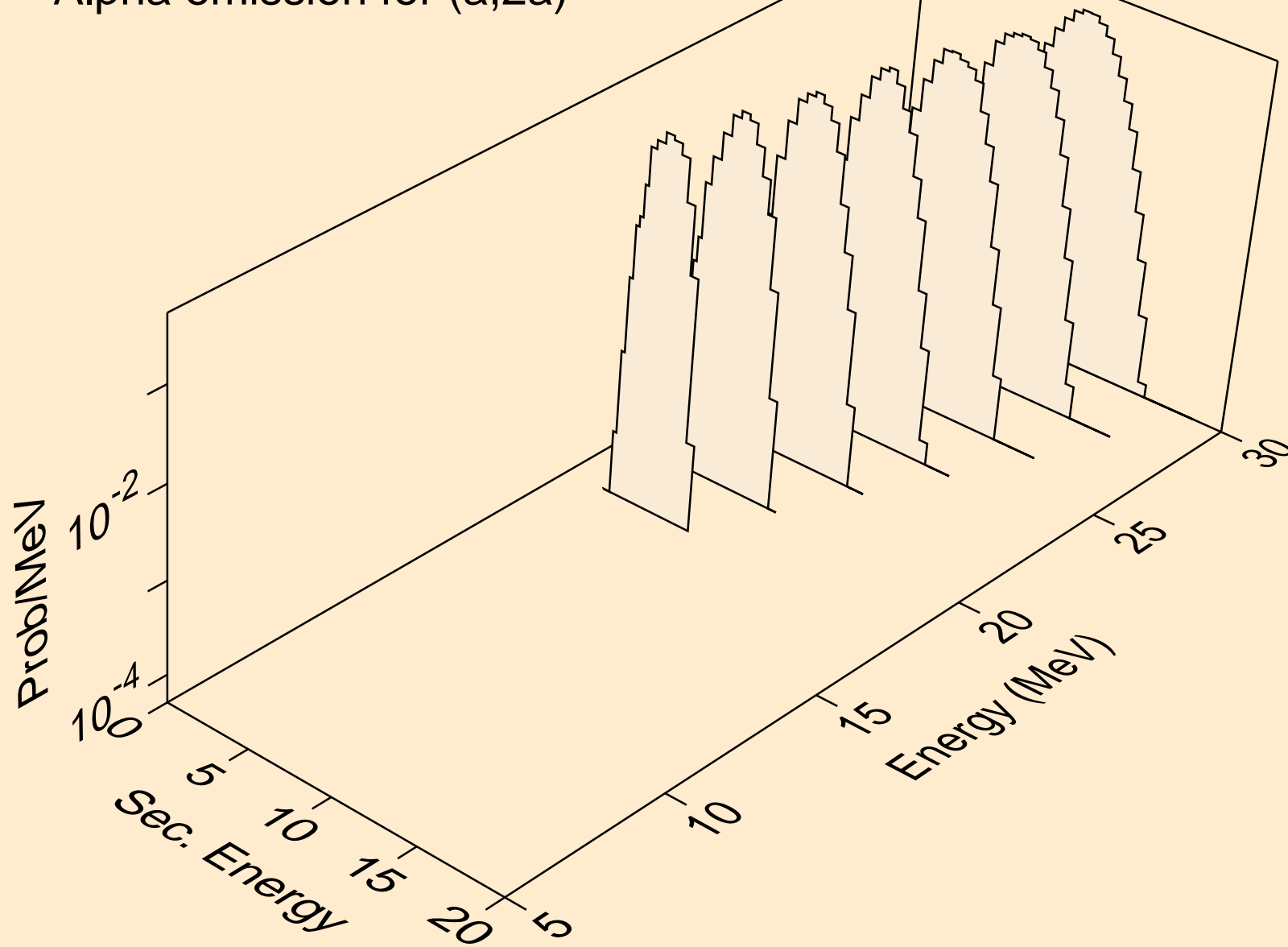
Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,2n)a



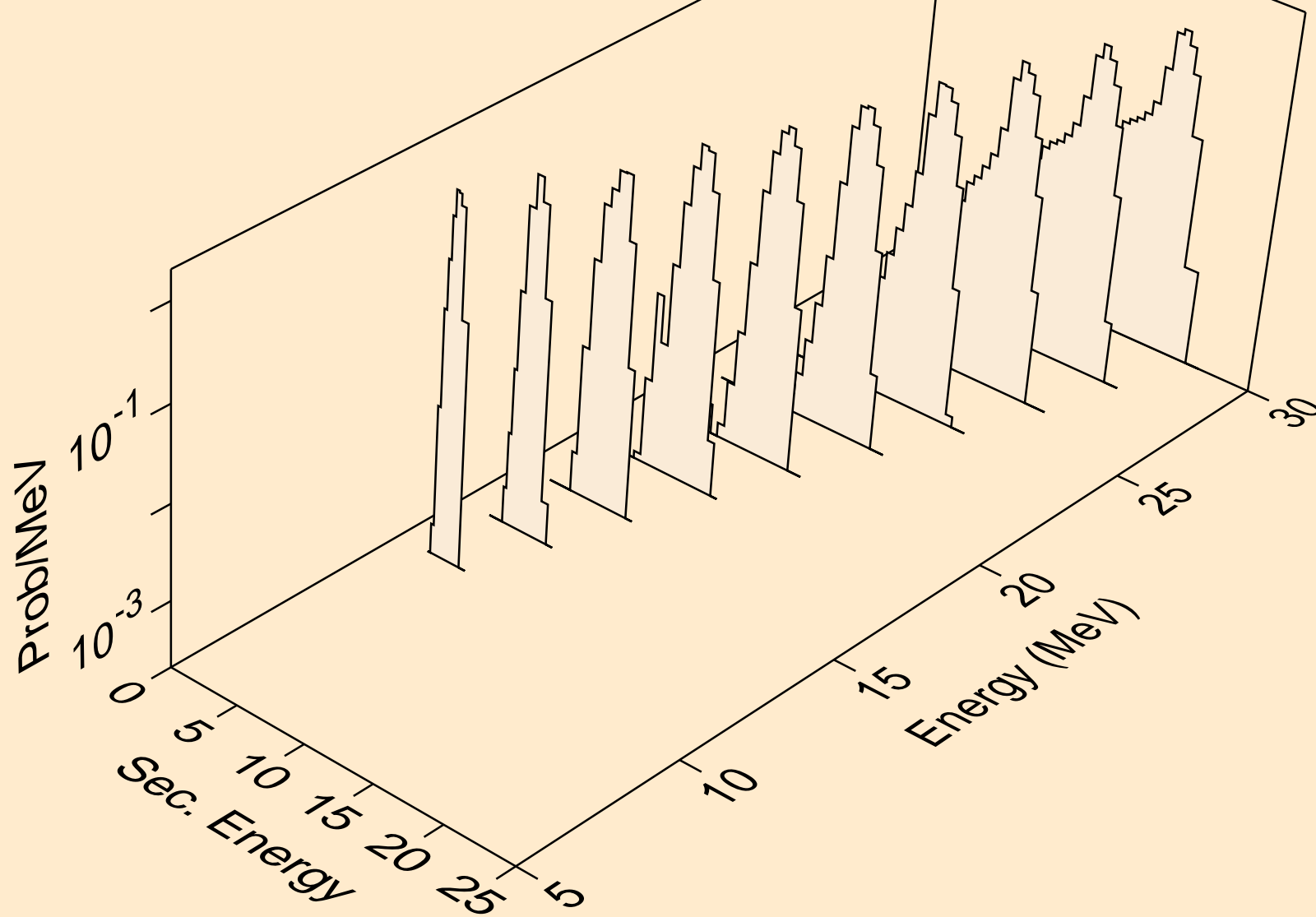
Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for inelastic



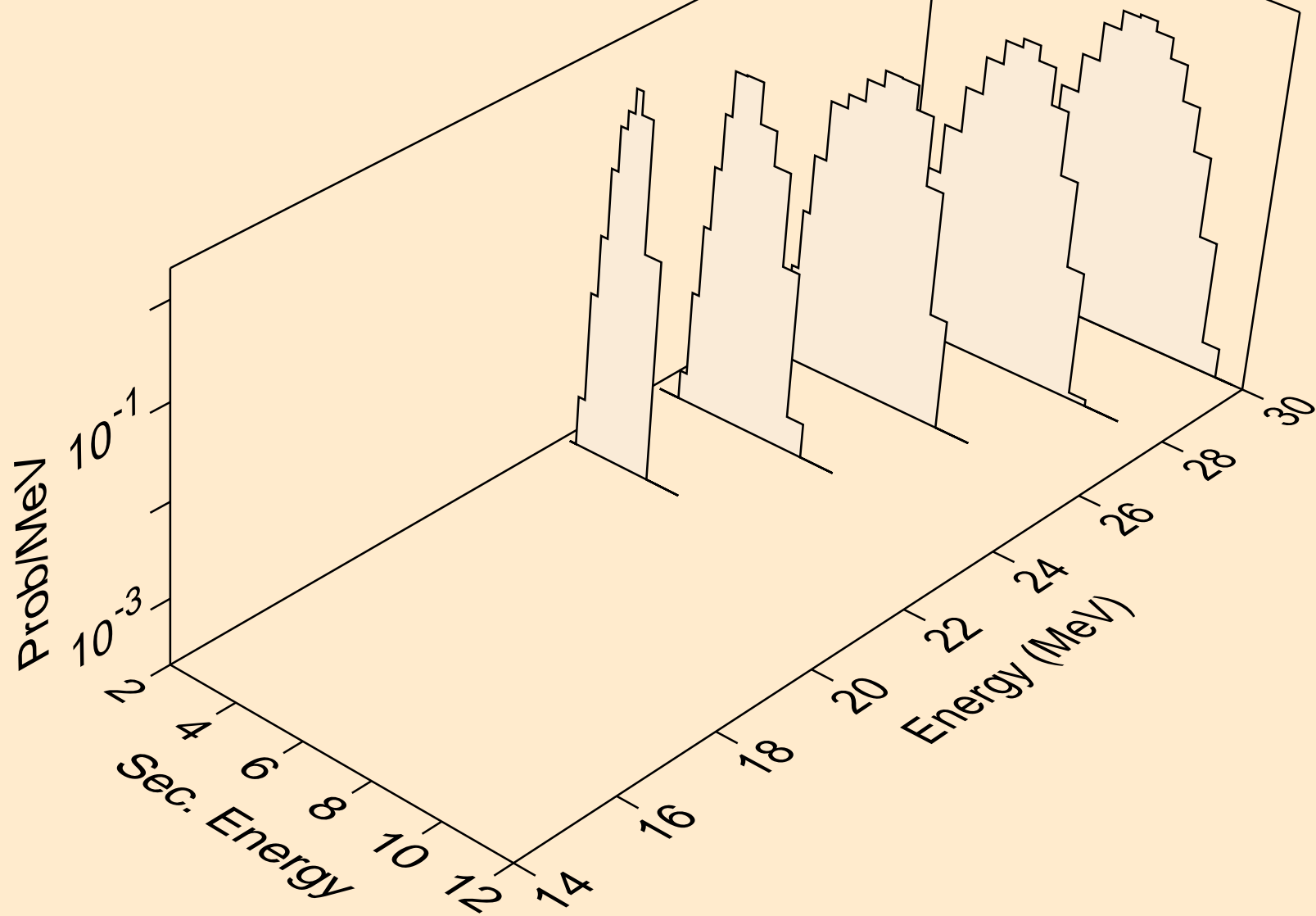
Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,2a)



Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,pa)

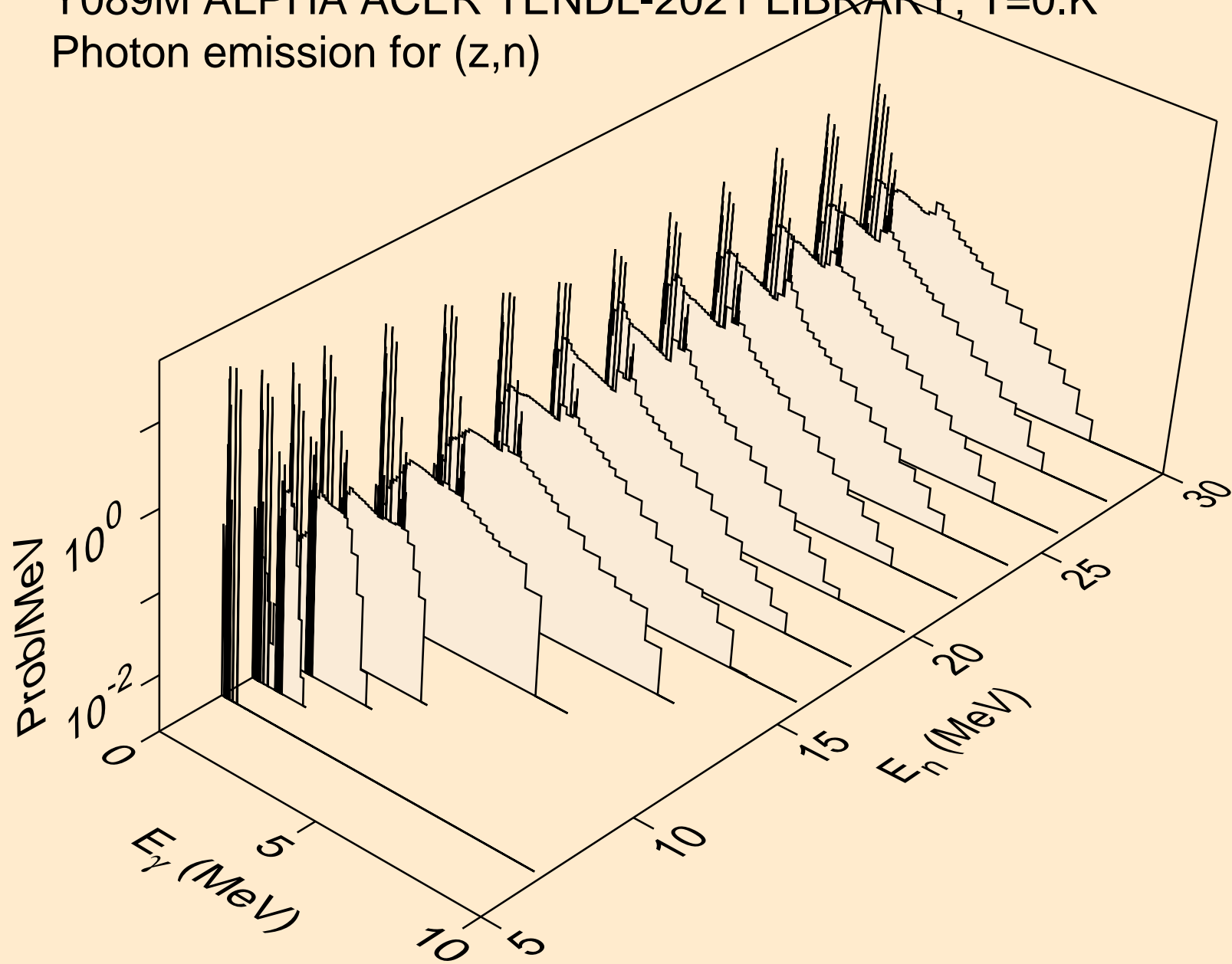


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Alpha emission for (a,da)

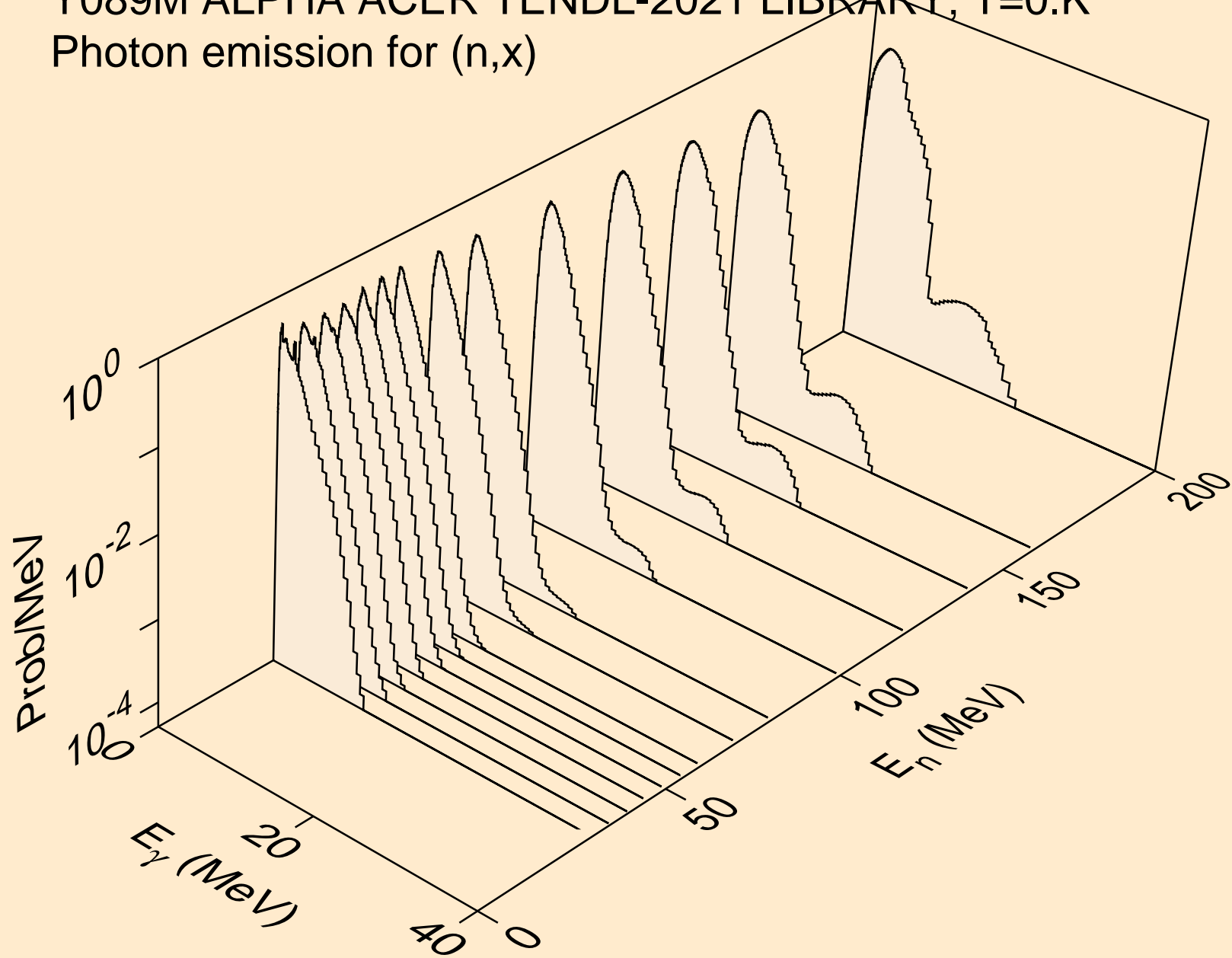




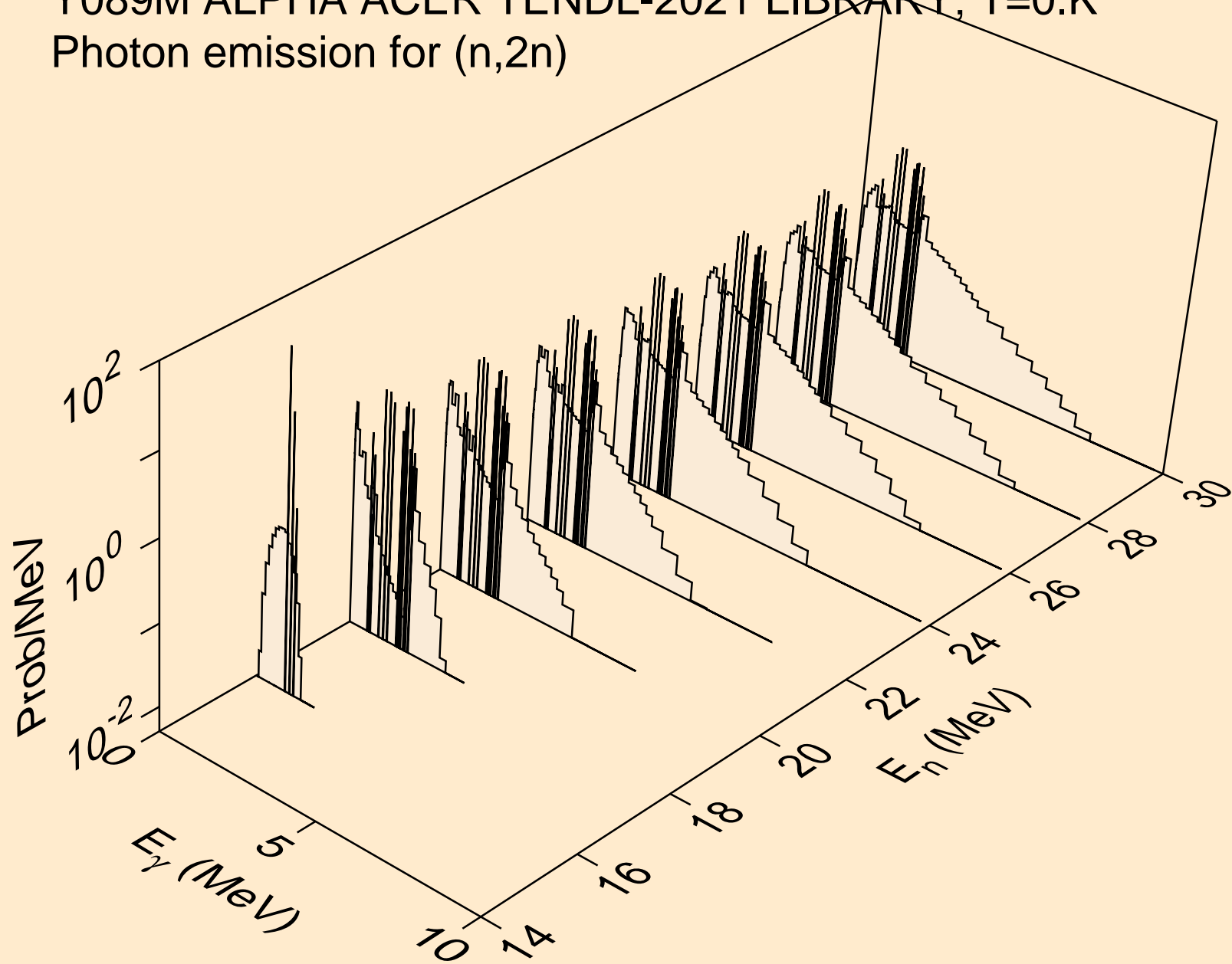
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Photon emission for (z,n)



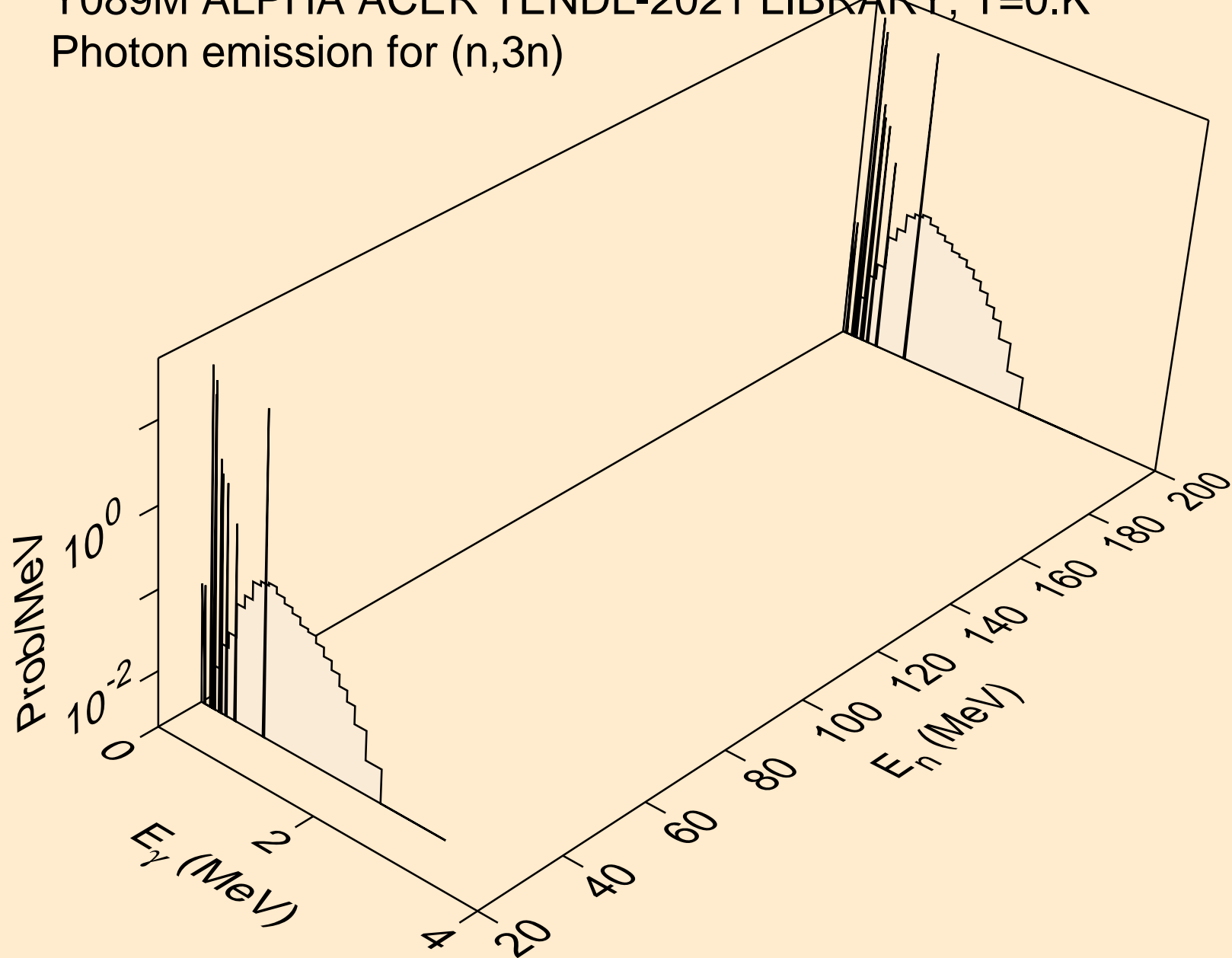
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Photon emission for (n,x)



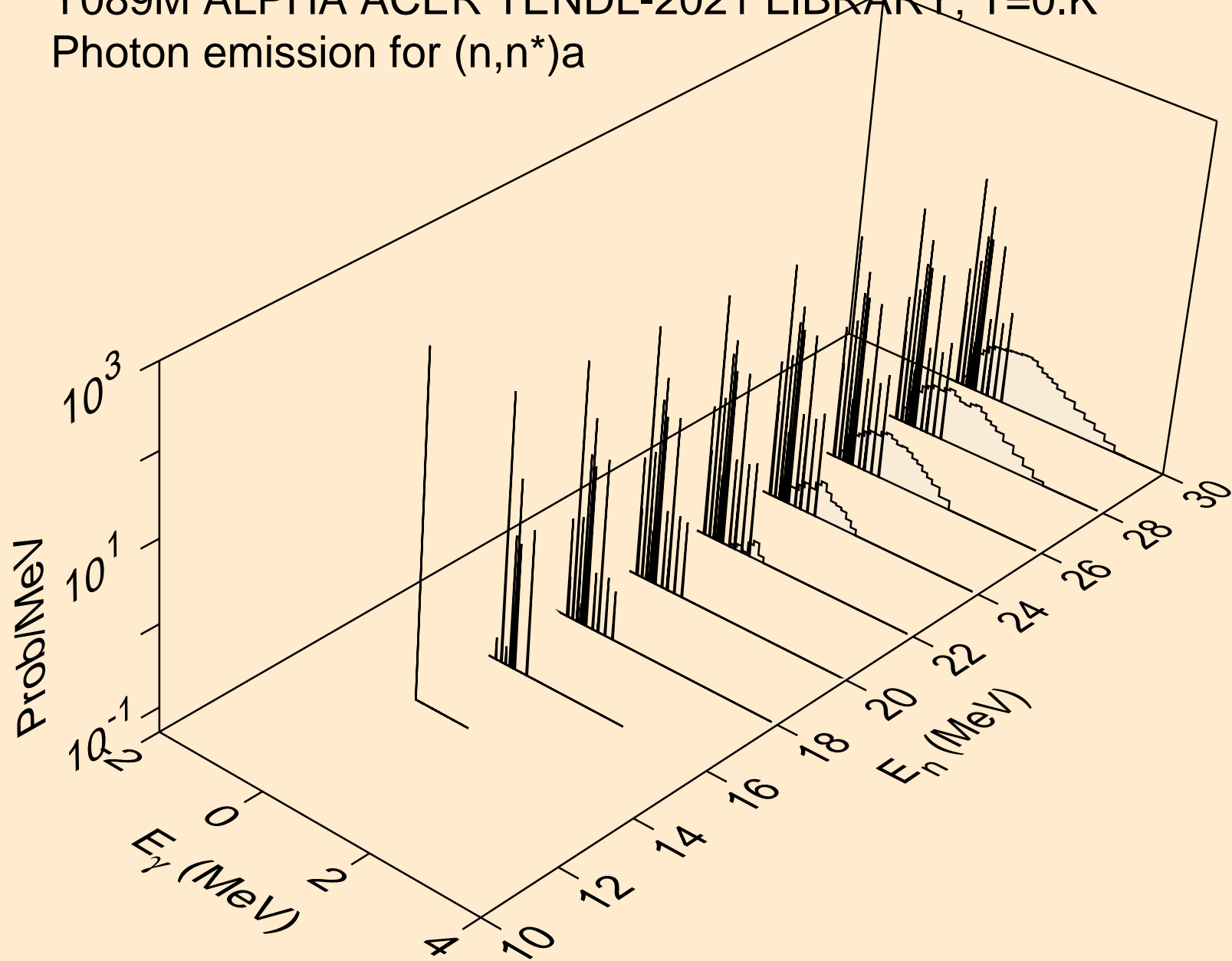
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Photon emission for (n,2n)



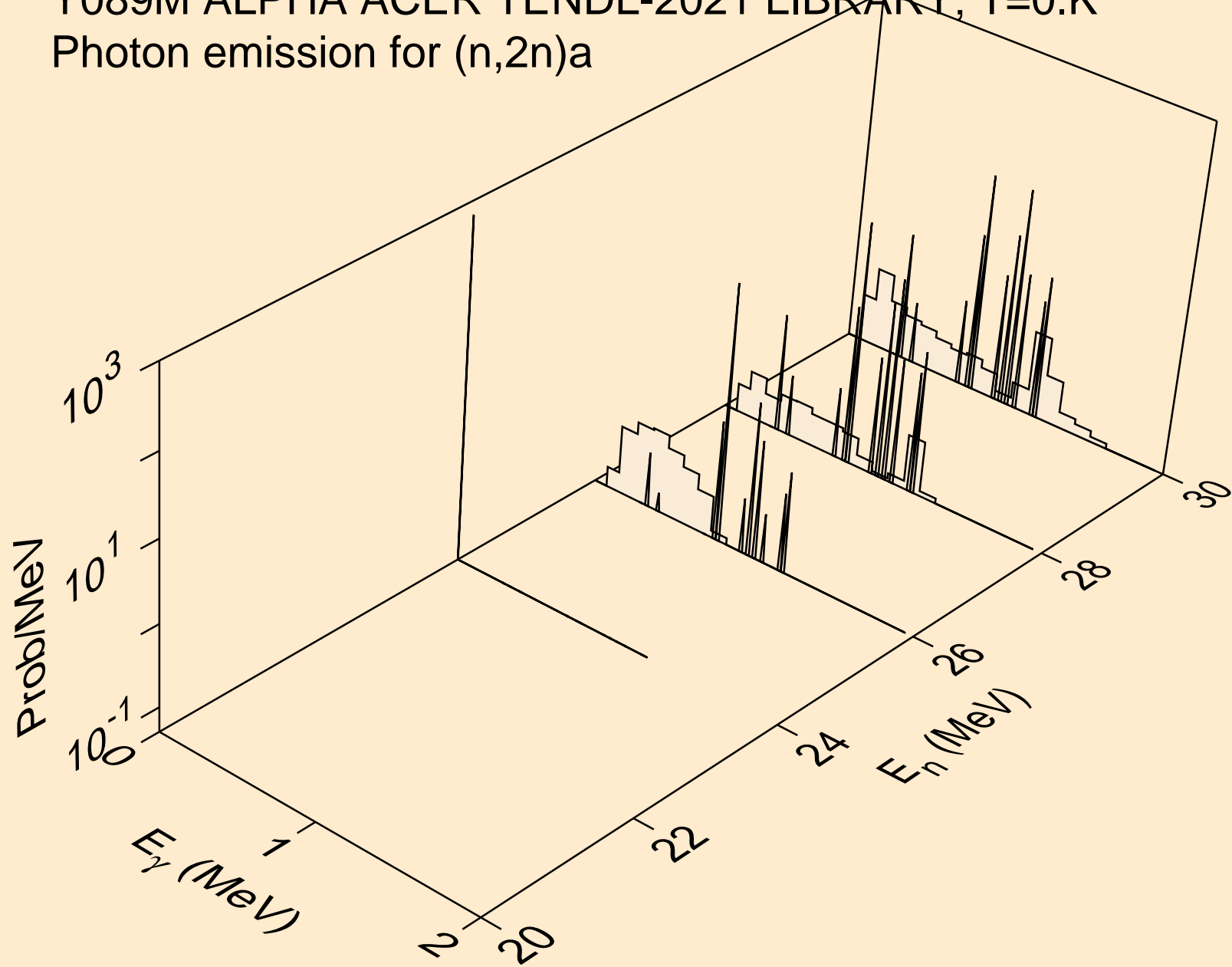
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Photon emission for (n,3n)



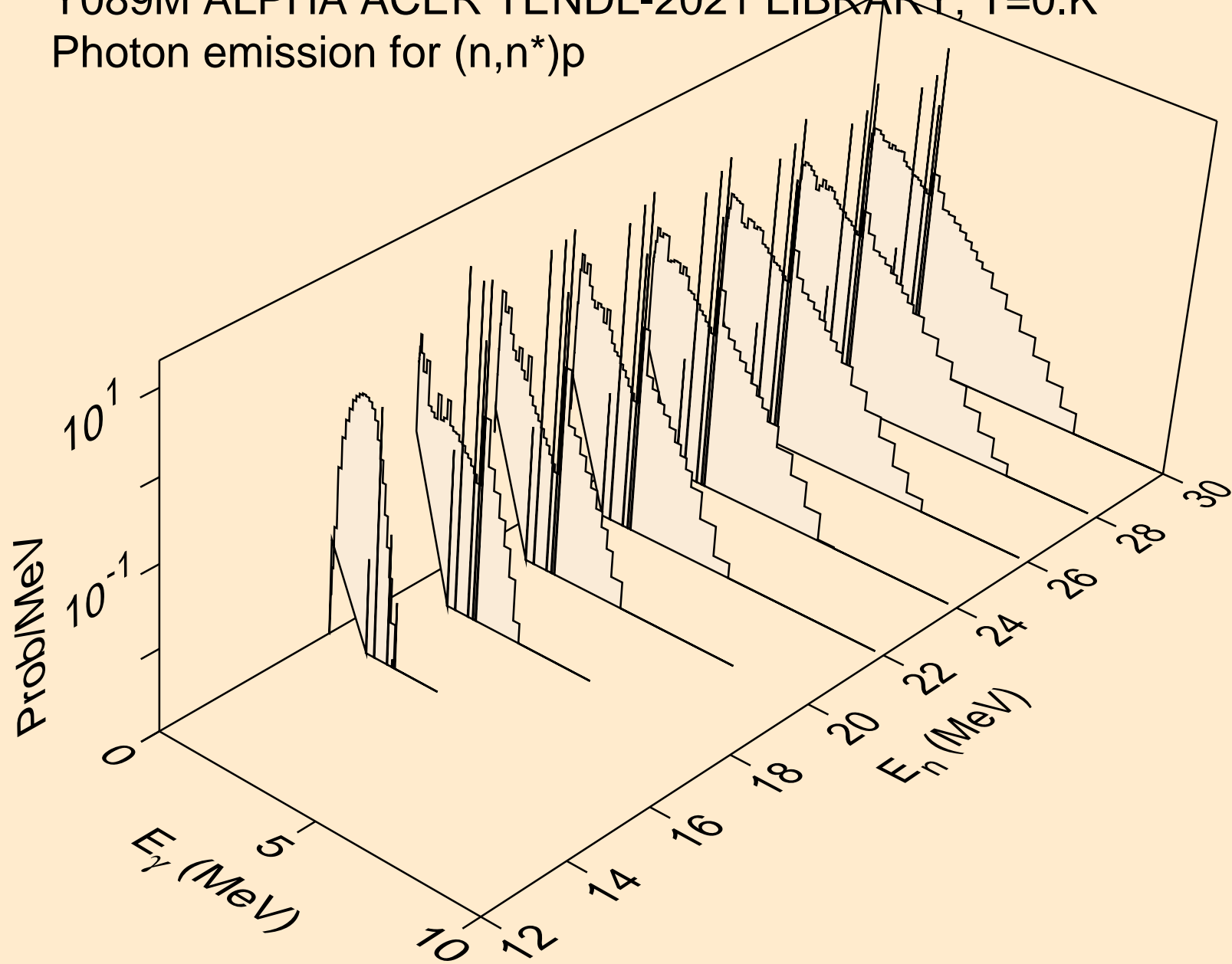
Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



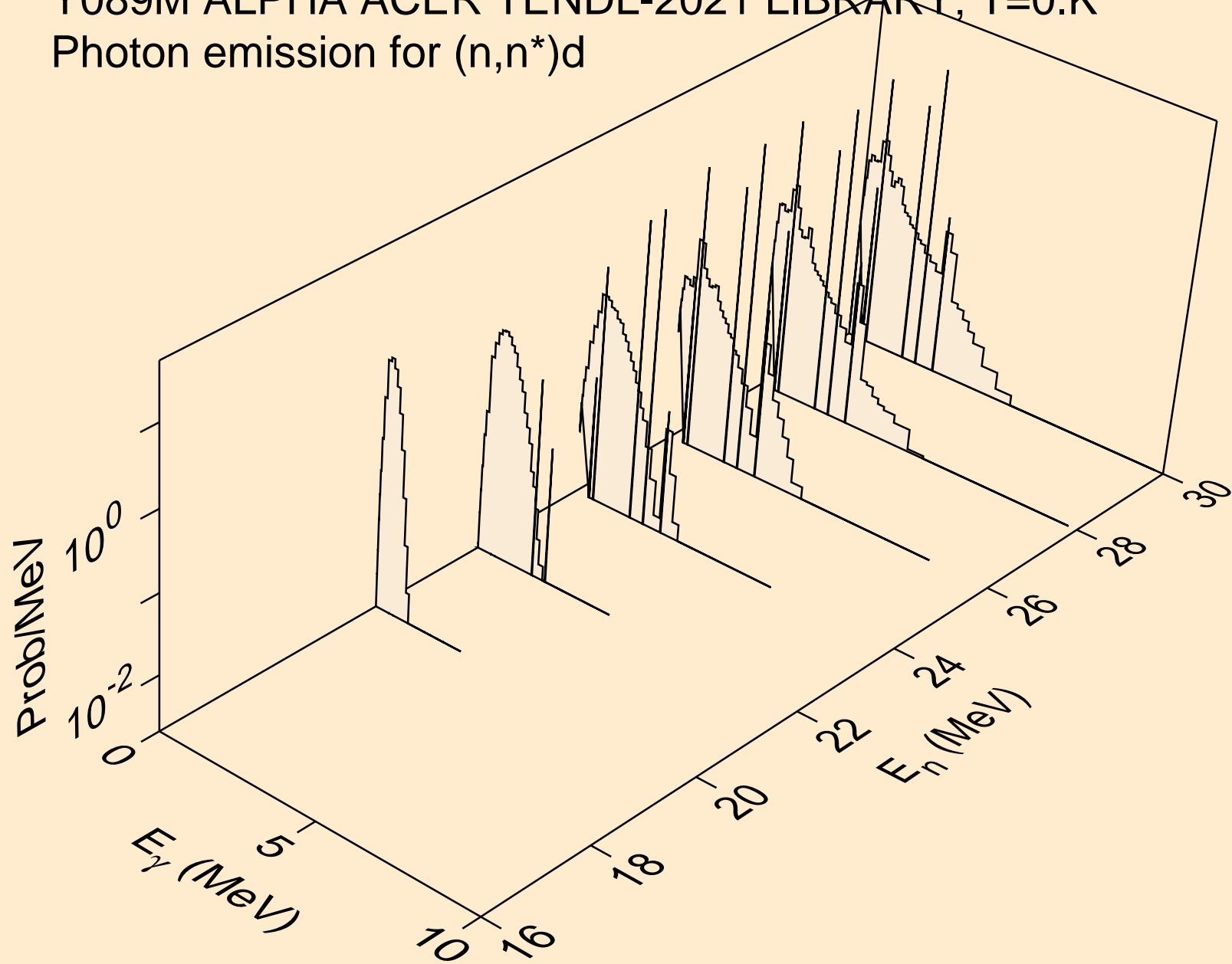
Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)a



Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

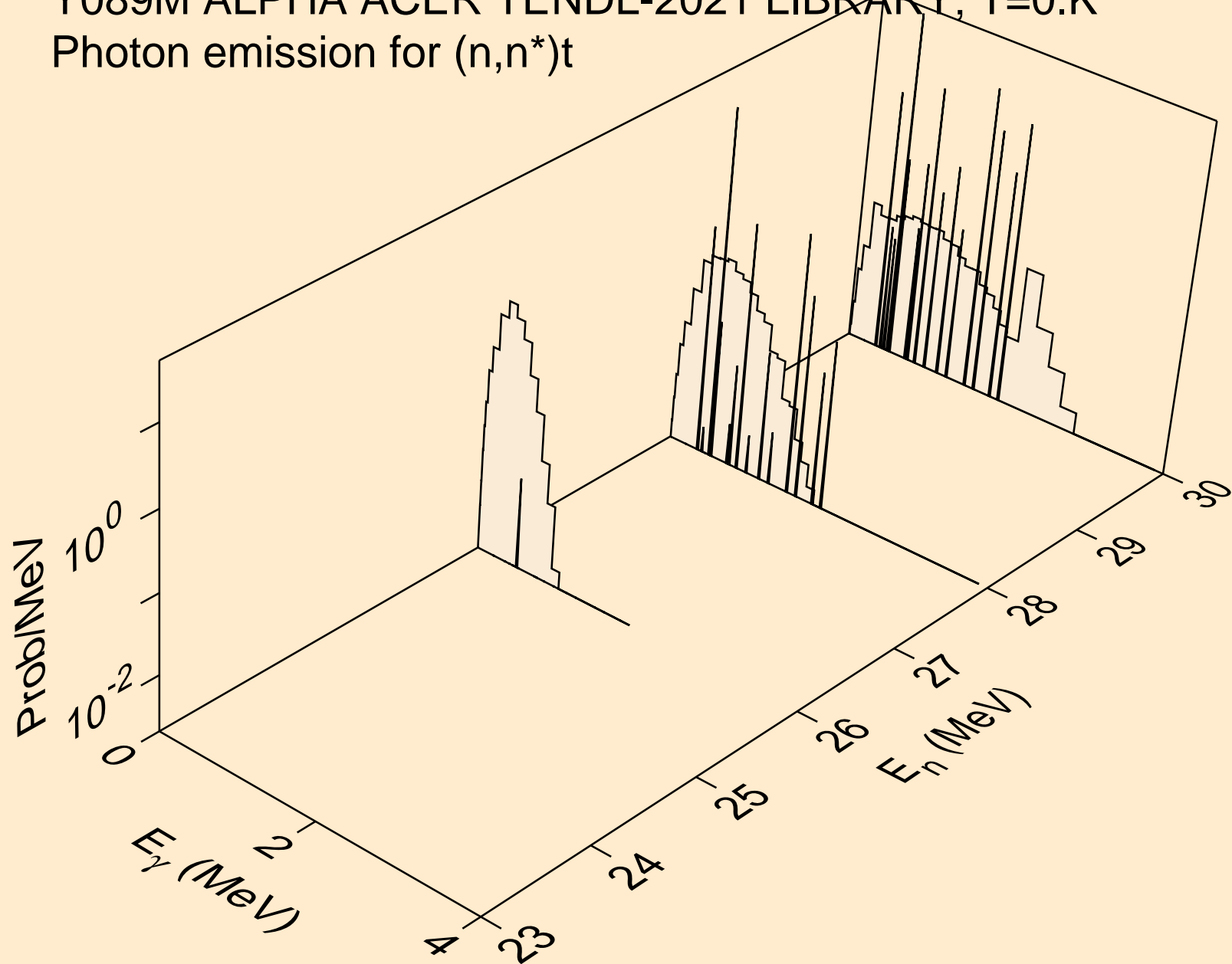


Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

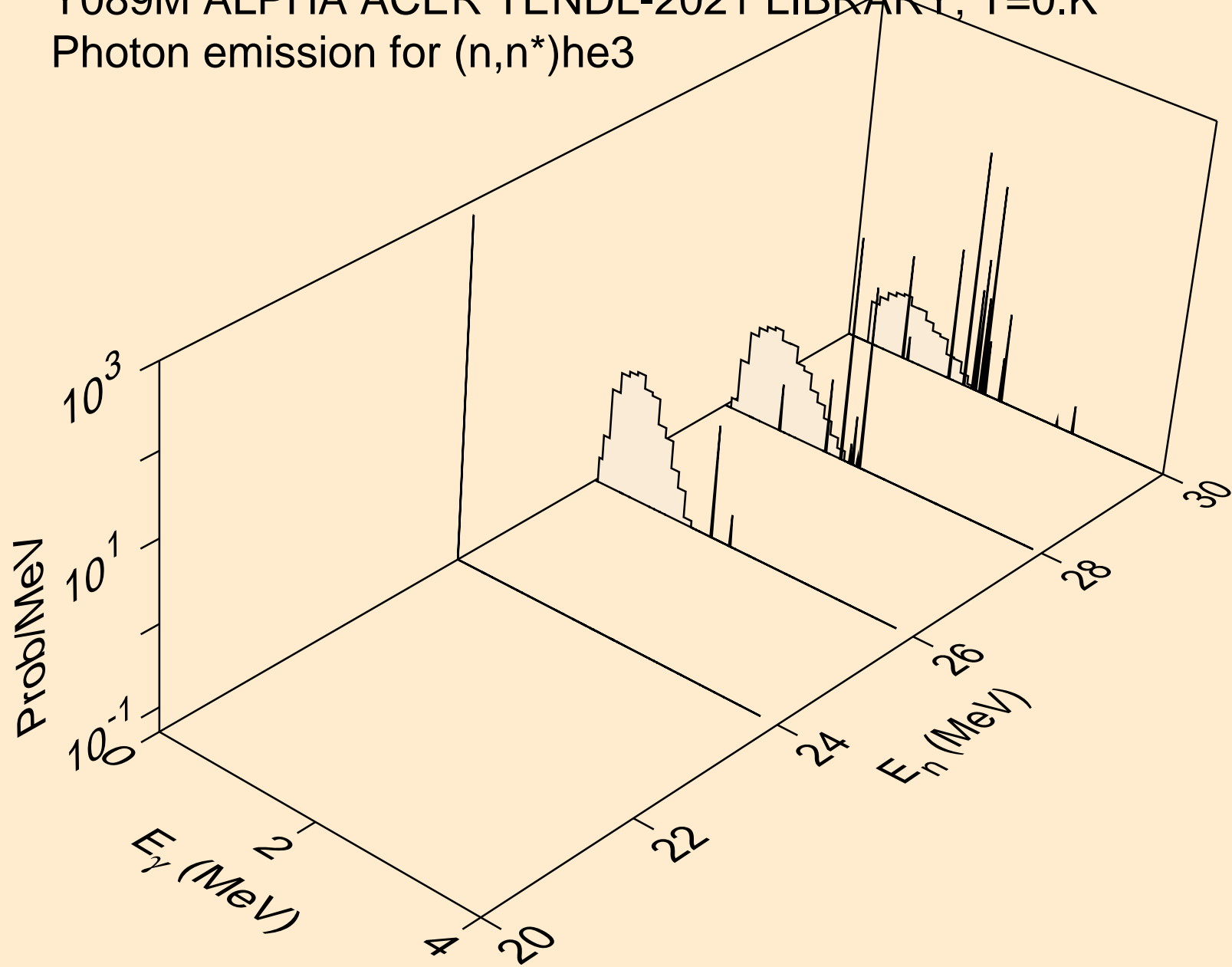




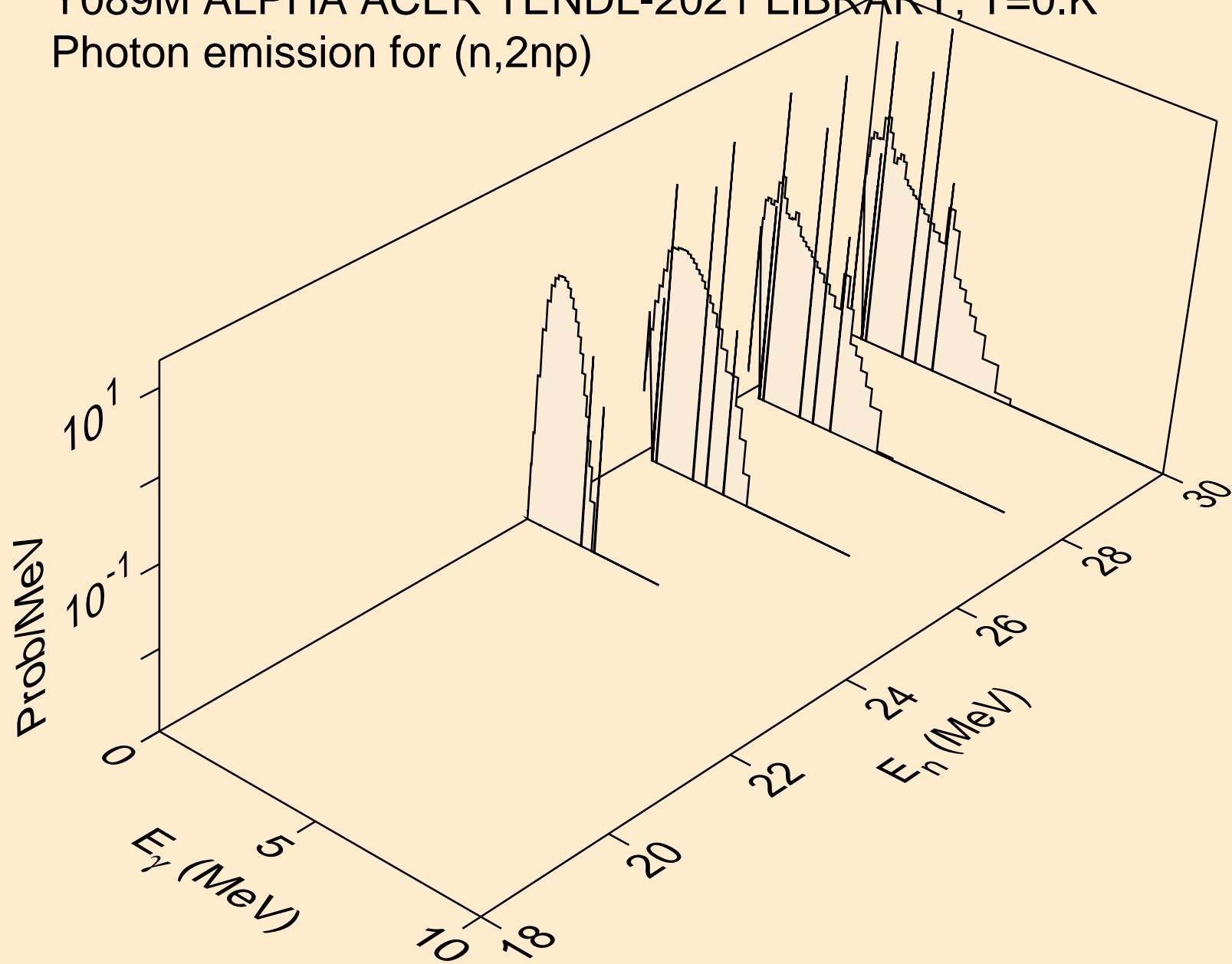
Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



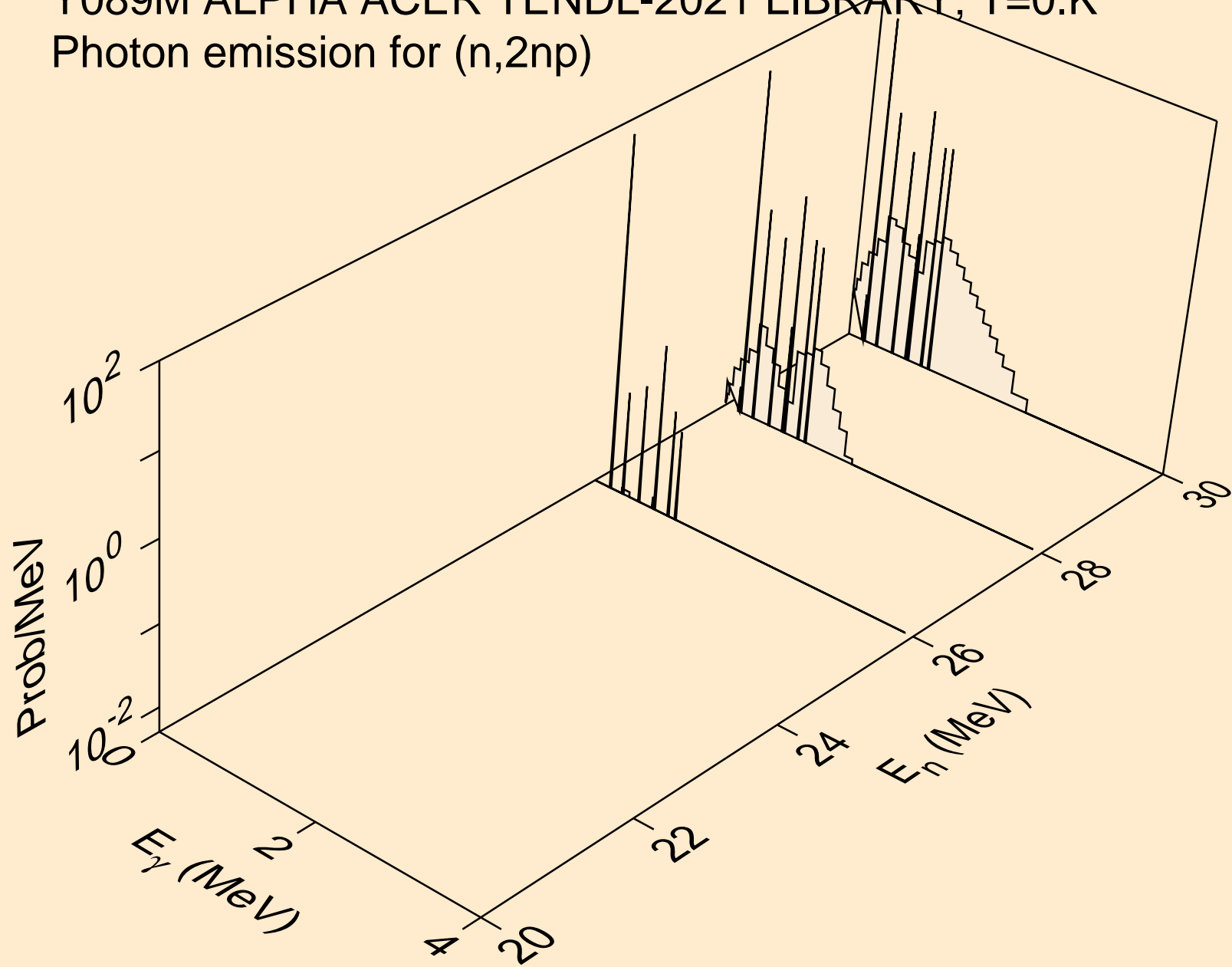
Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



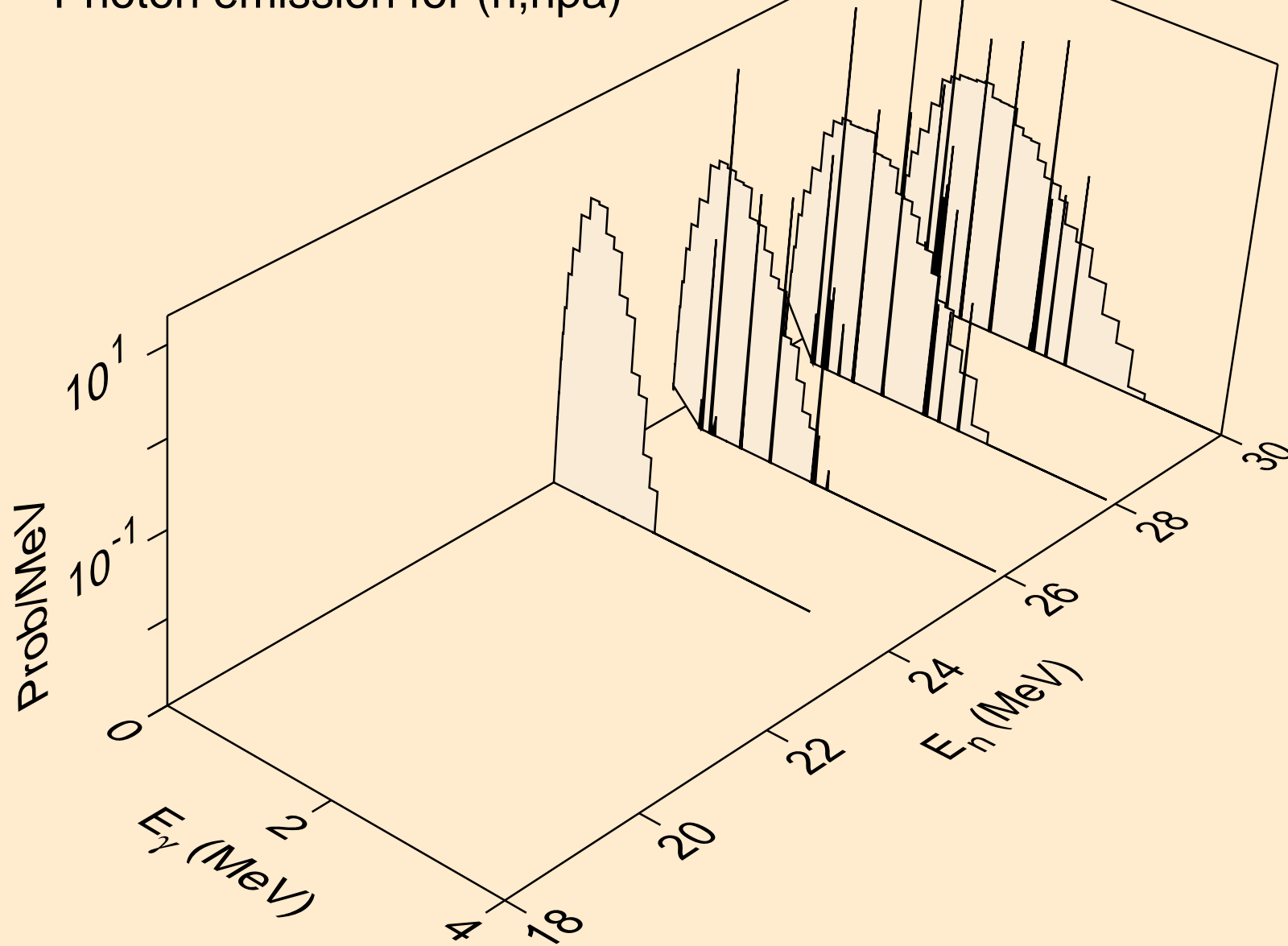
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Photon emission for (n,2np)



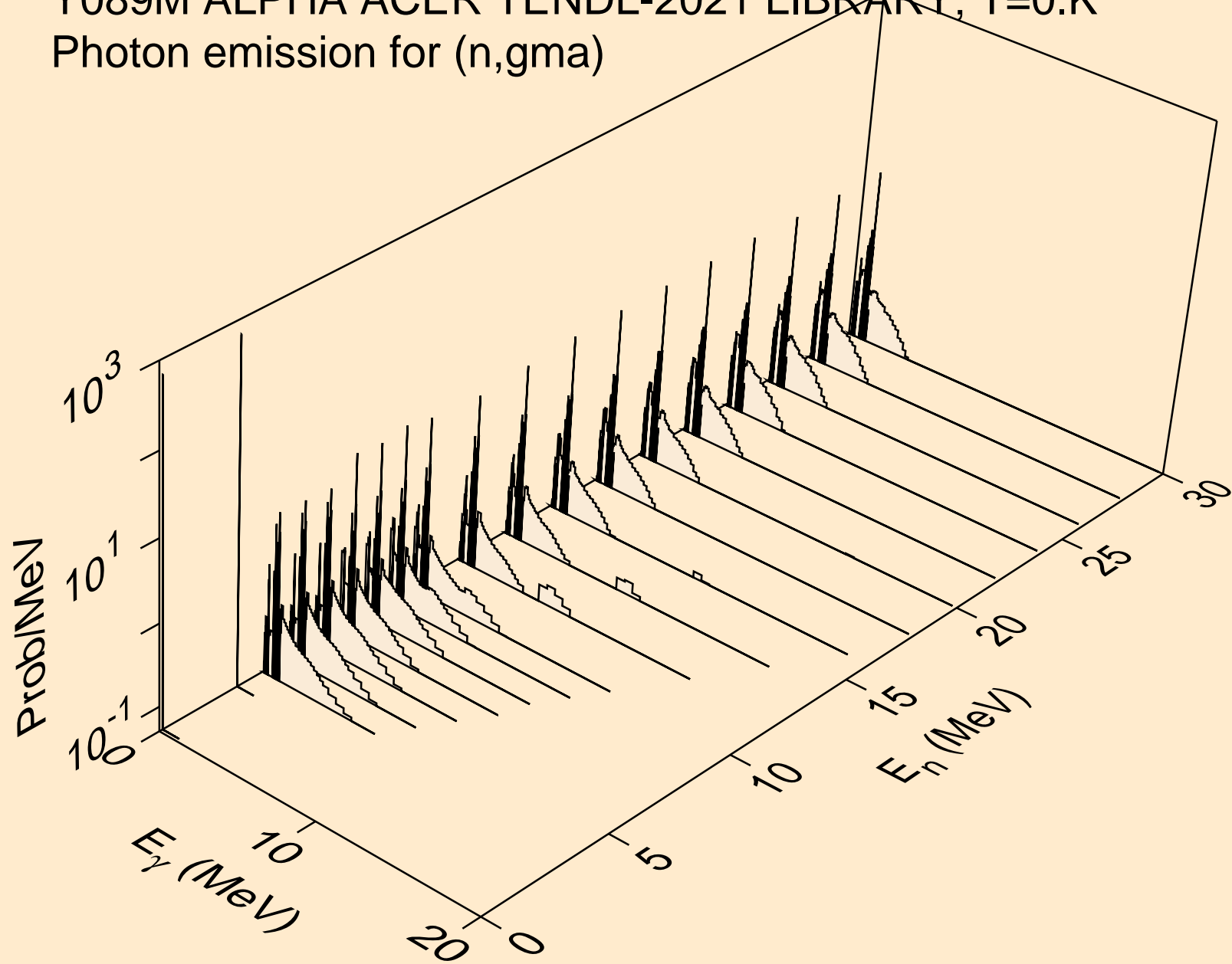
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Photon emission for (n,2np)



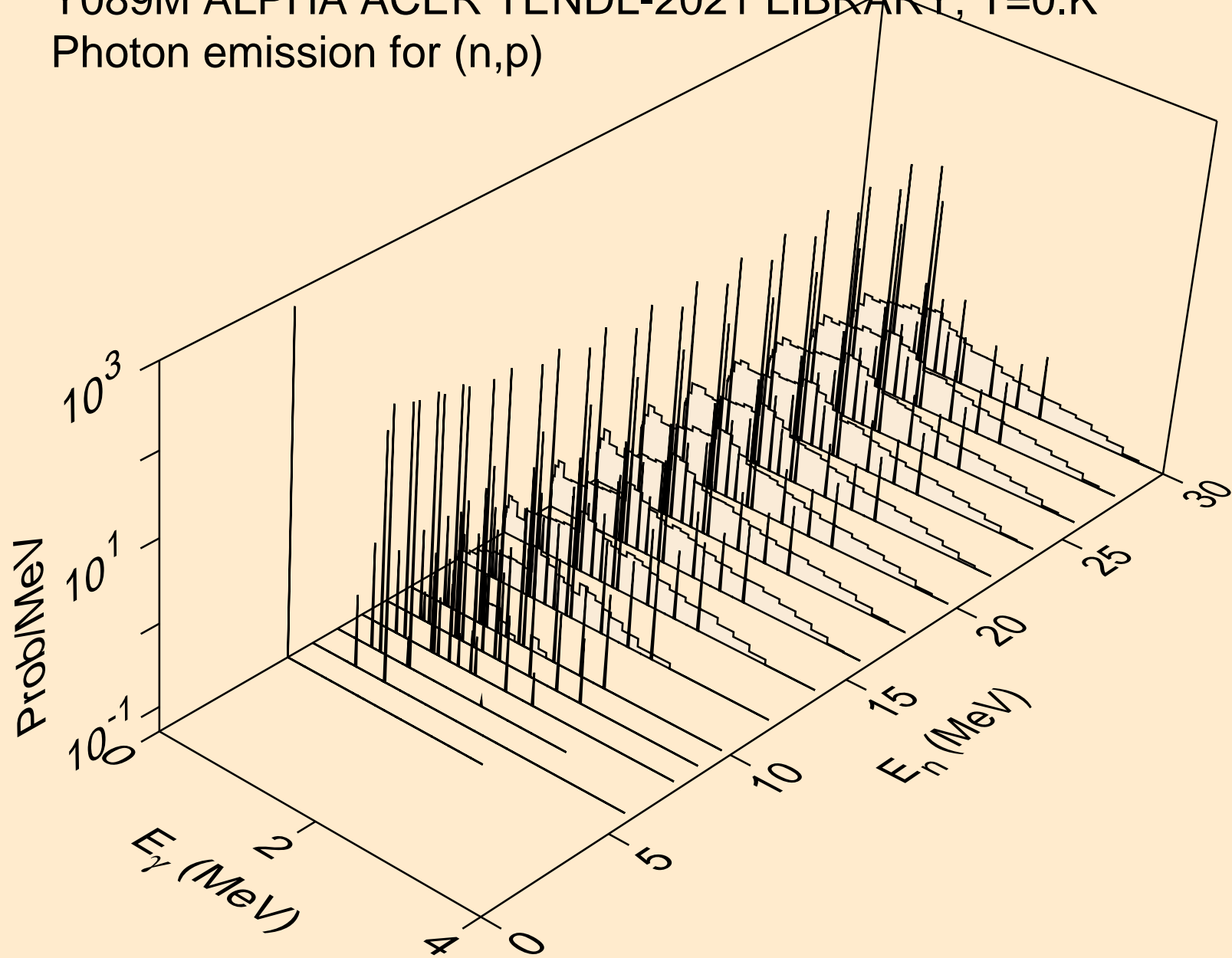
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Photon emission for (n,npa)



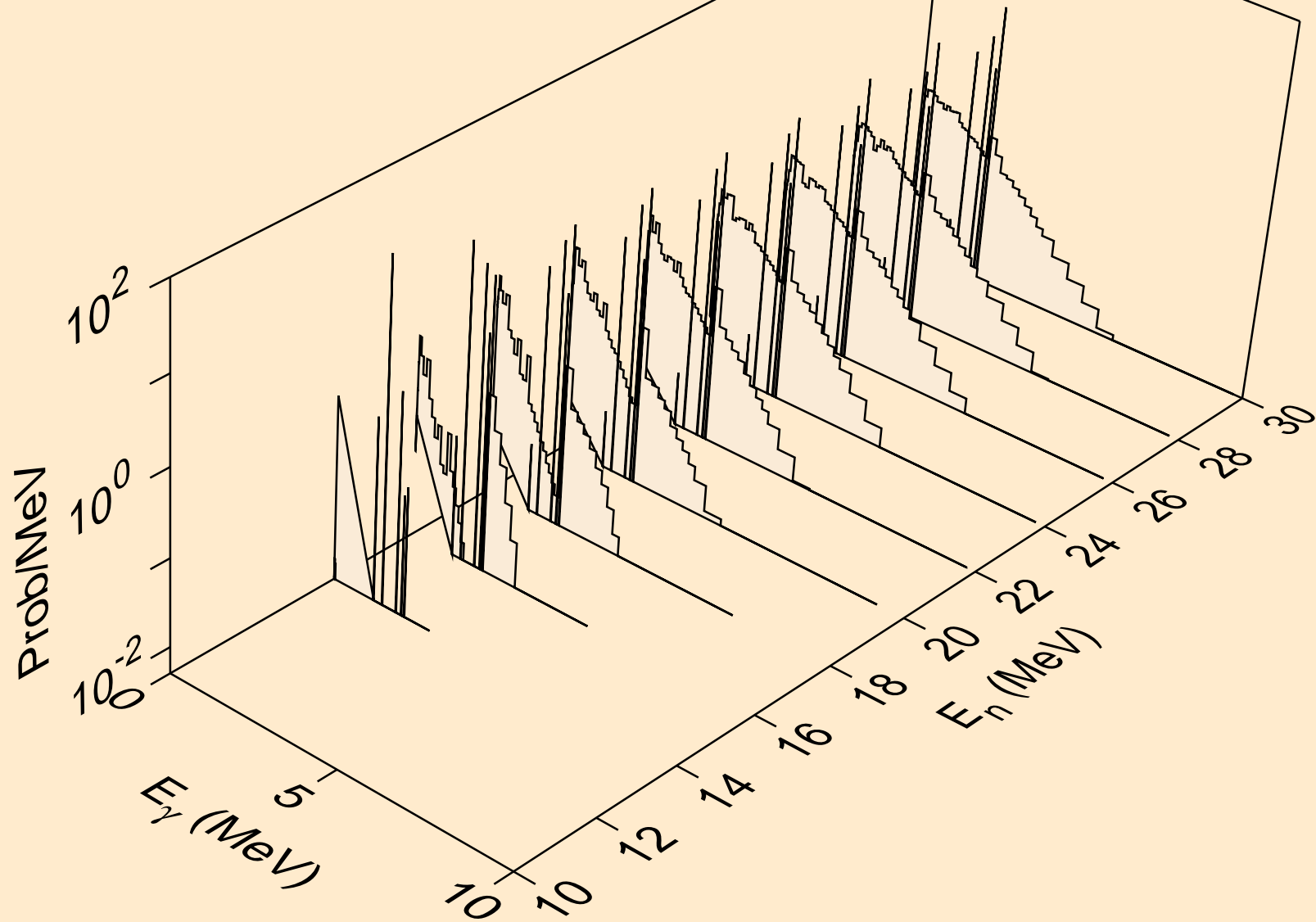
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Photon emission for (n,gma)



Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,p)

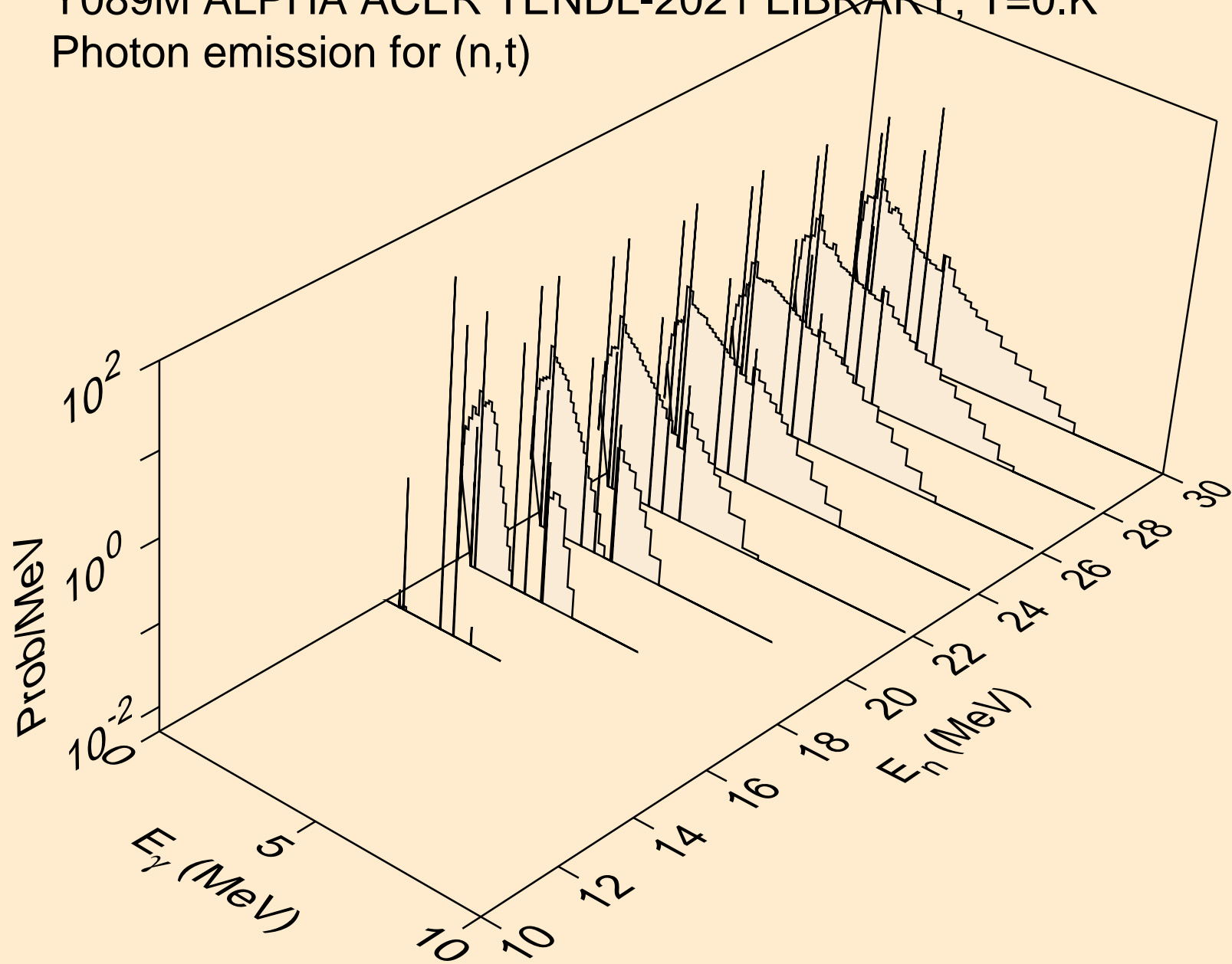


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Photon emission for (n,d)

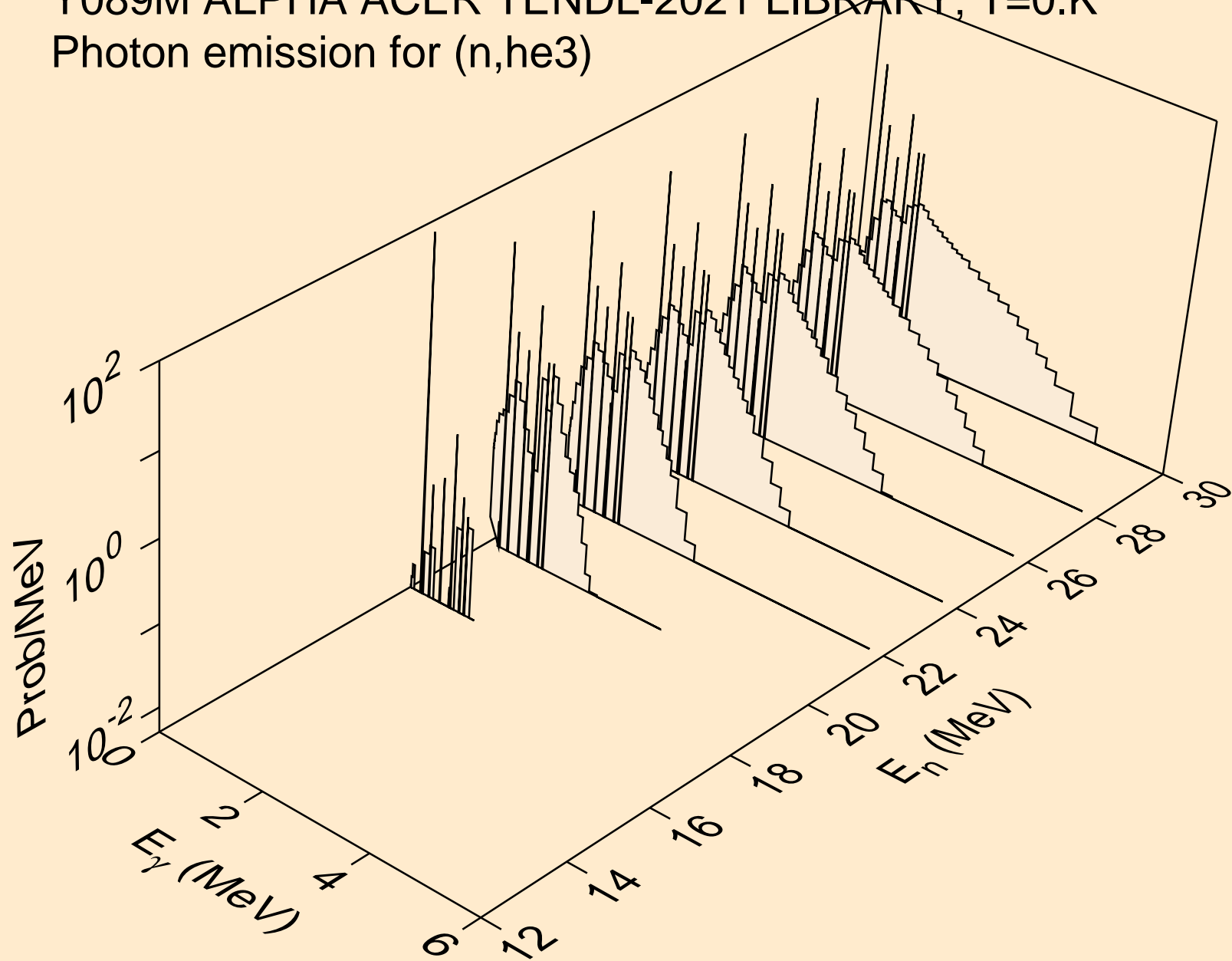




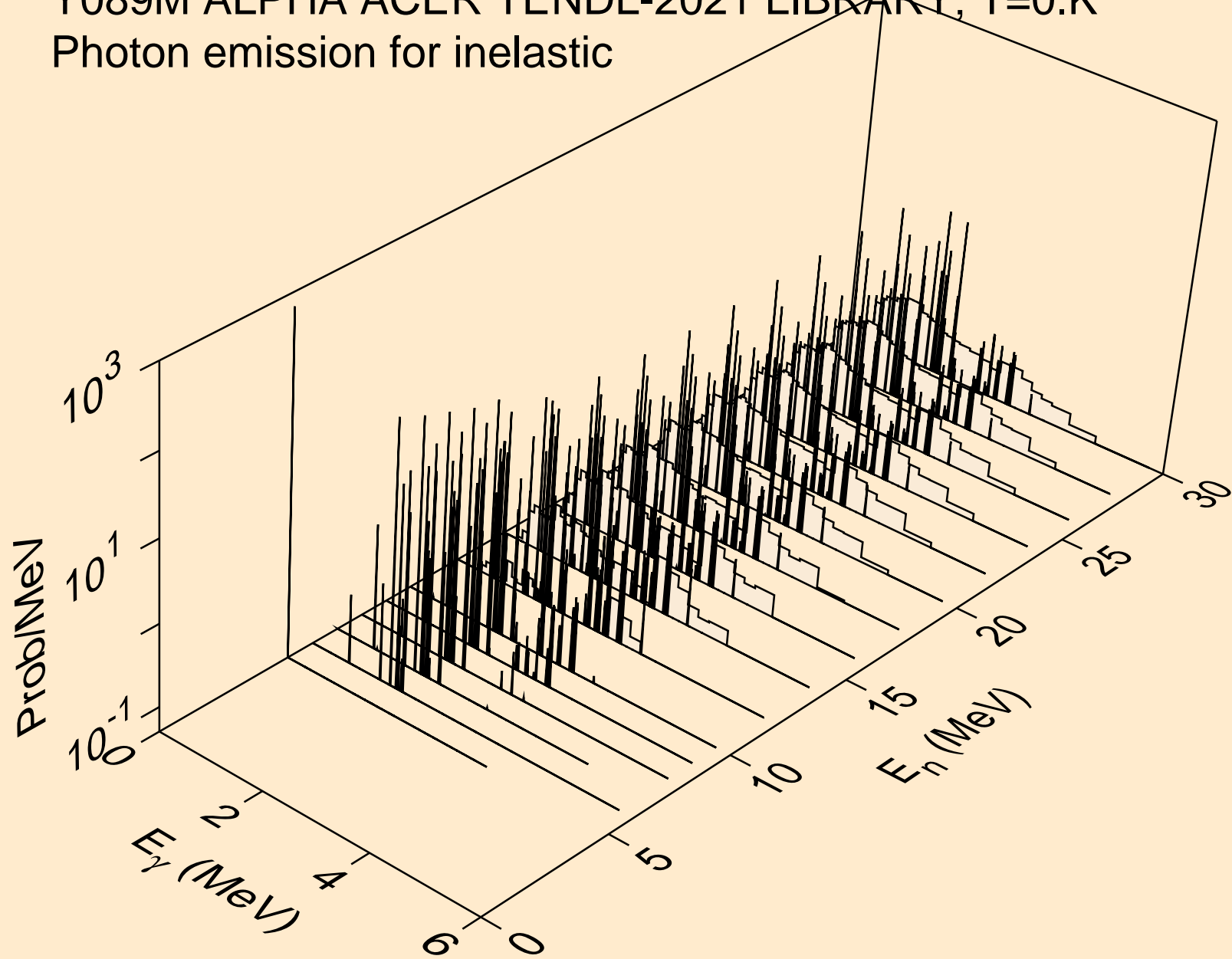
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Photon emission for (n,t)



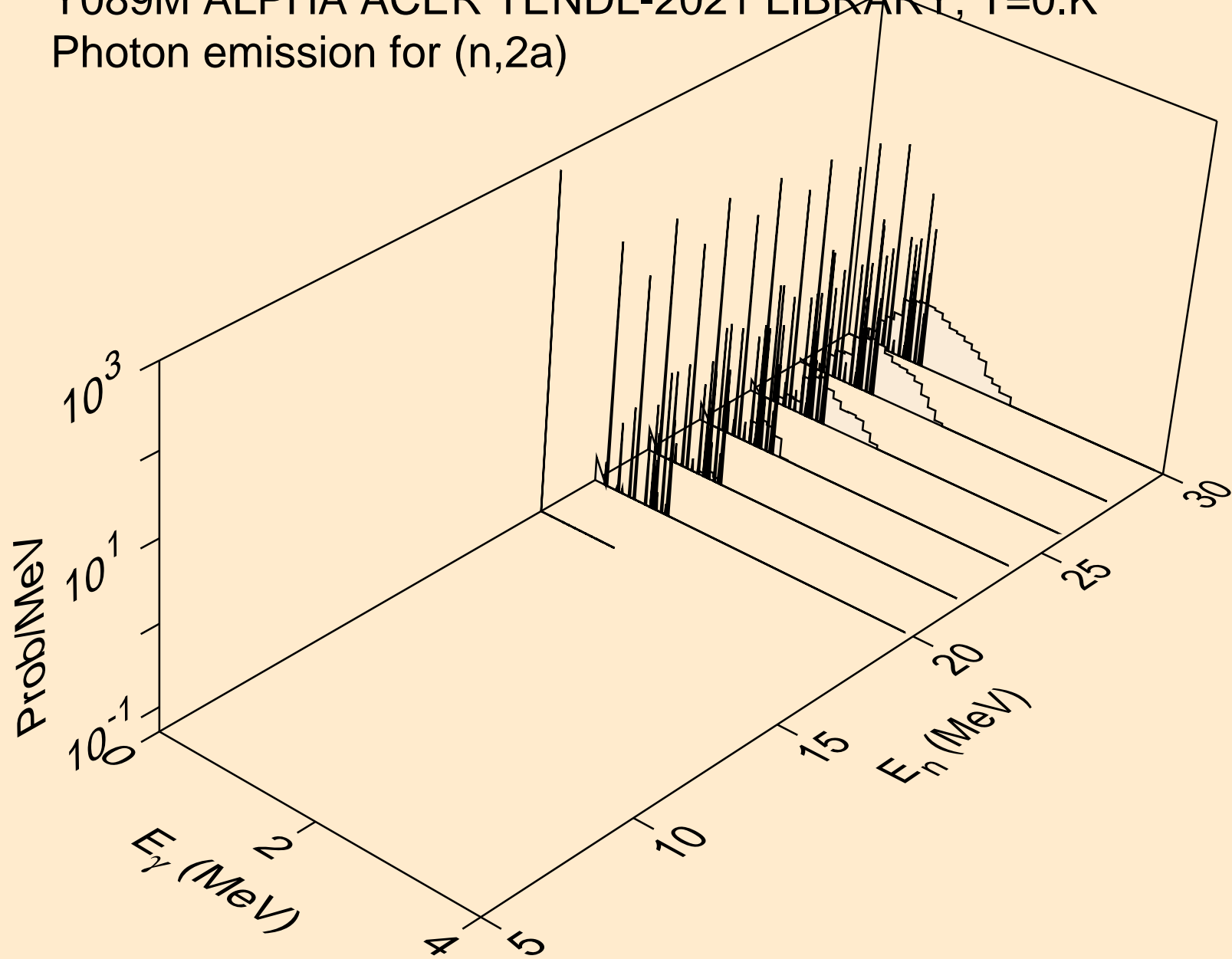
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Photon emission for (n,he3)



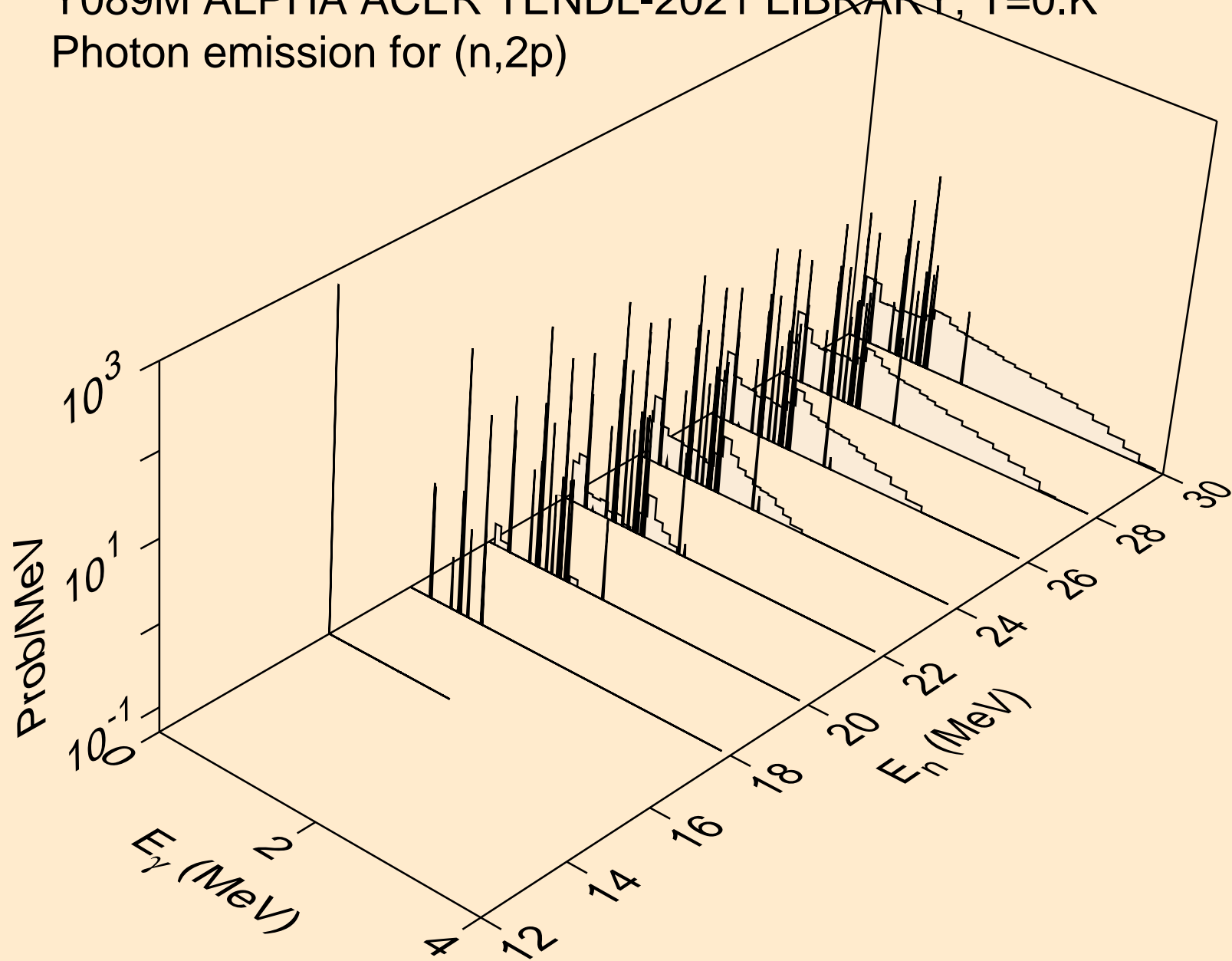
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Photon emission for inelastic



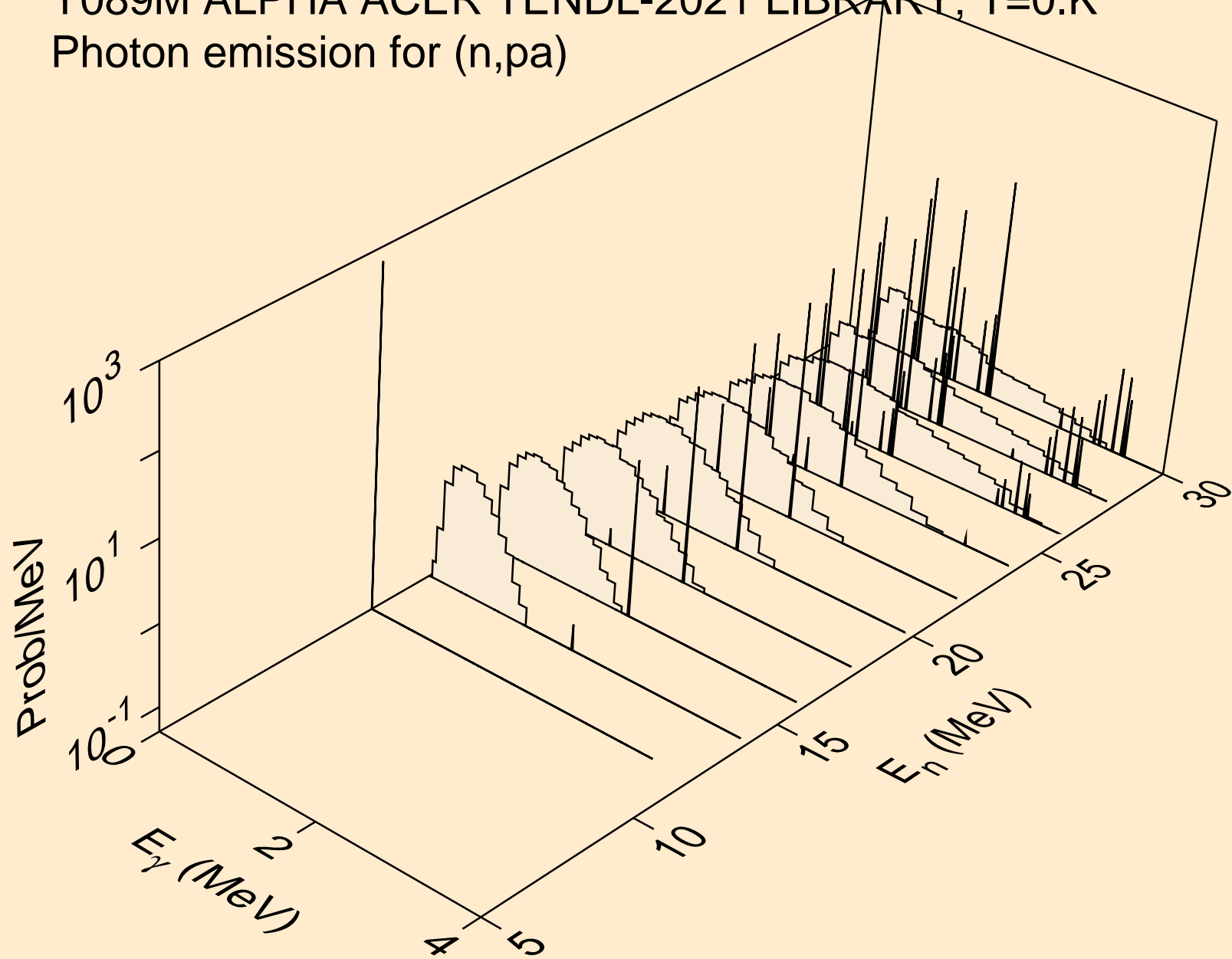
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Photon emission for (n,2a)



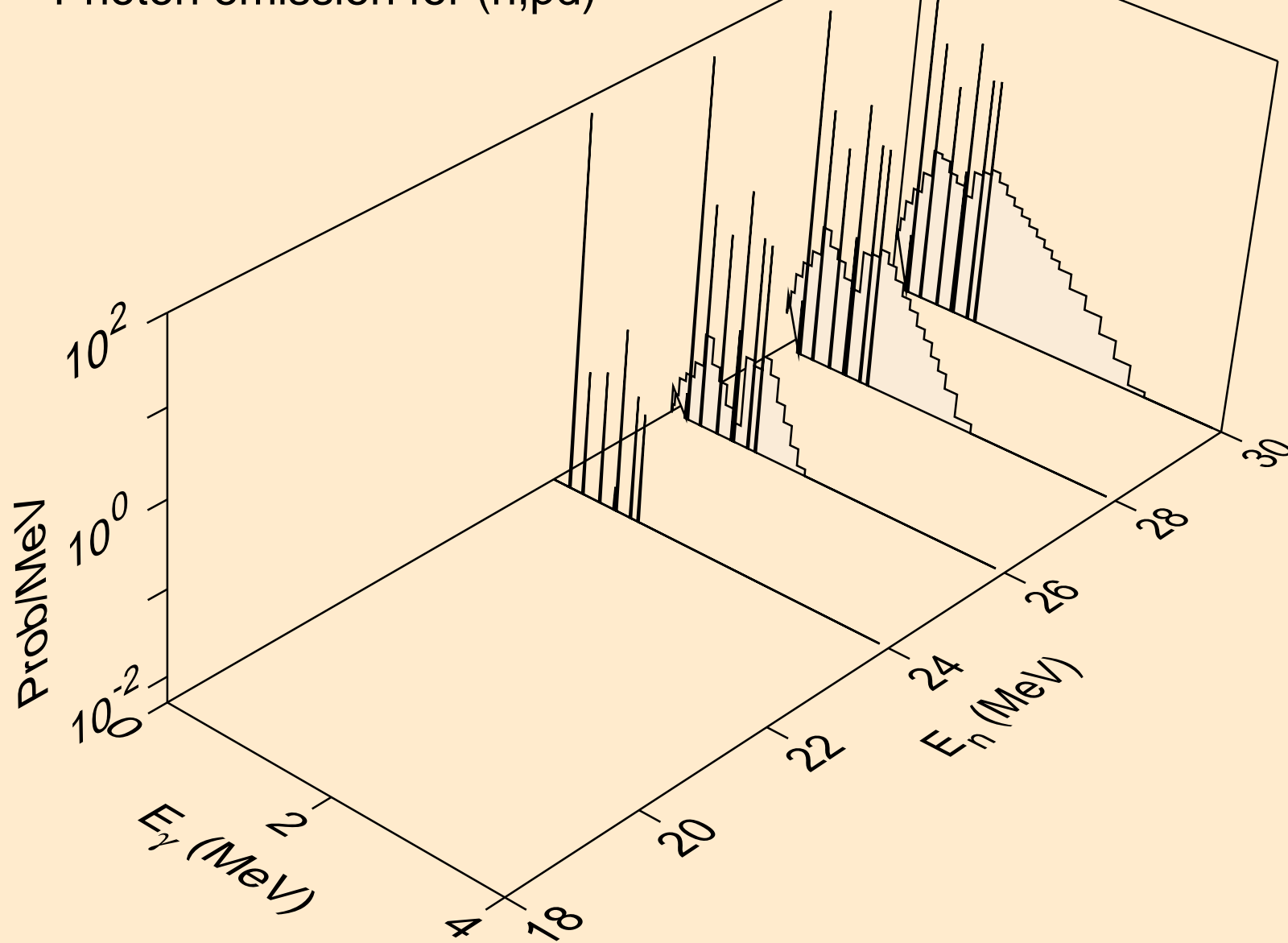
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Photon emission for (n,2p)



Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pa)

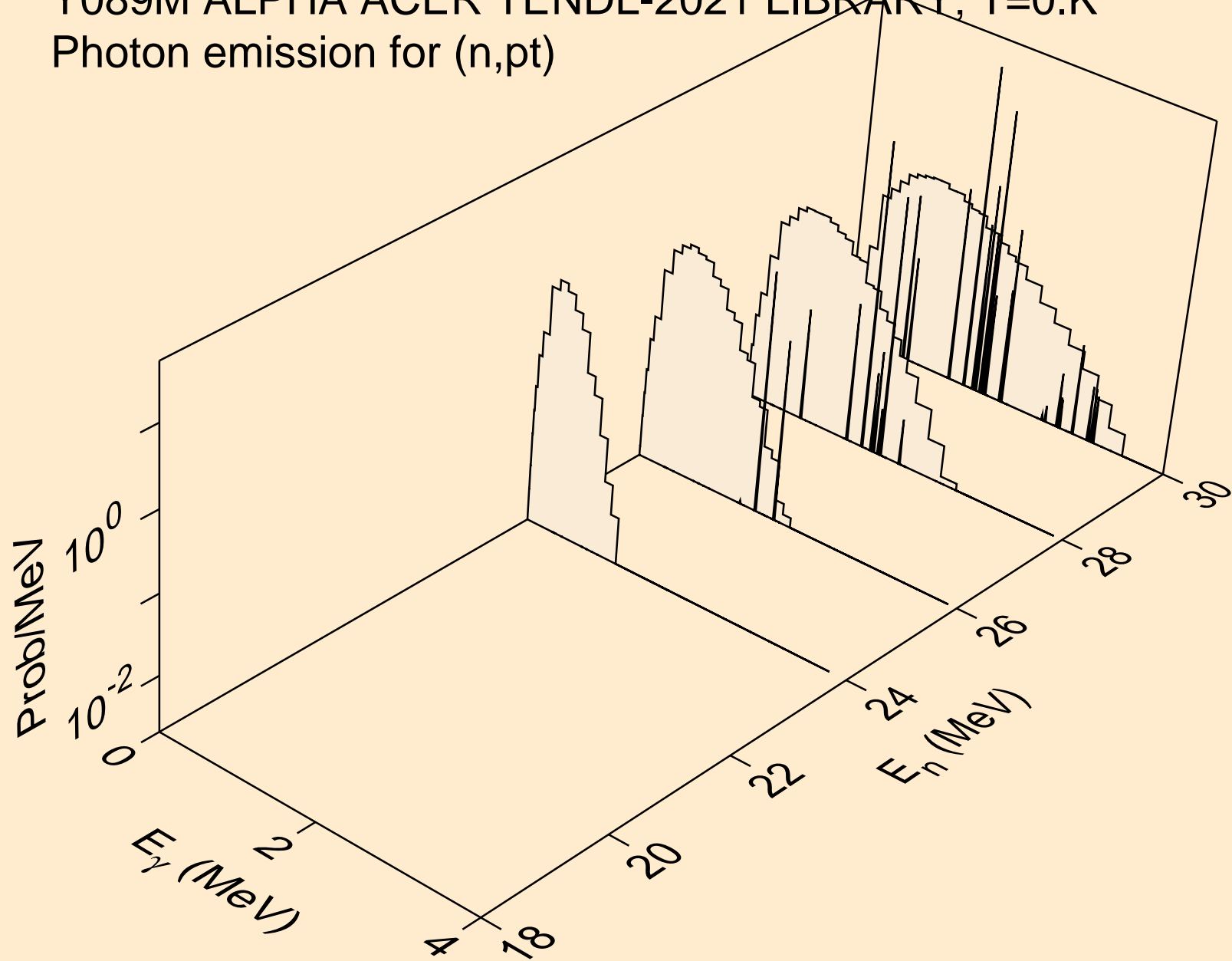


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Photon emission for (n,pd)



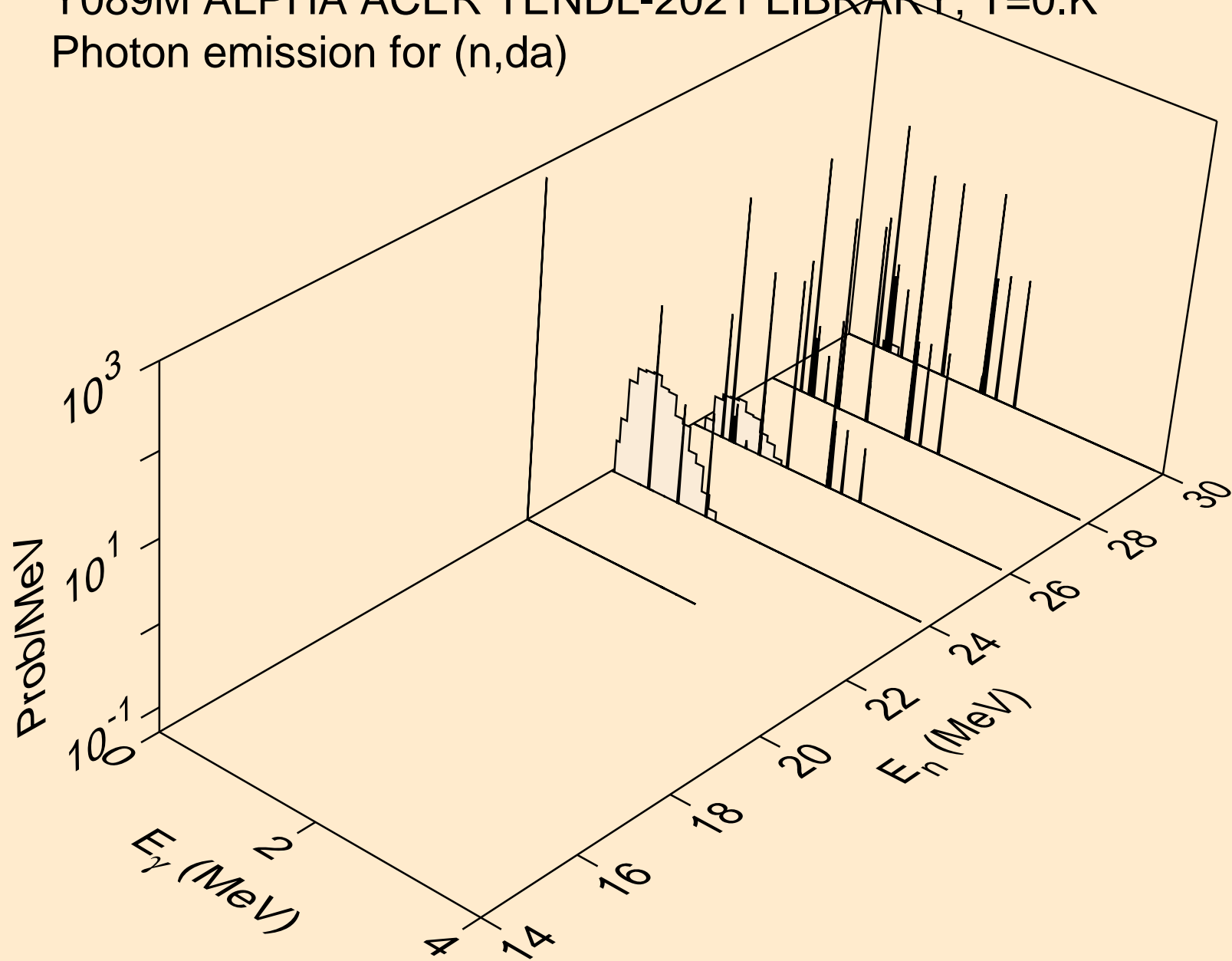
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Photon emission for (n,pt)



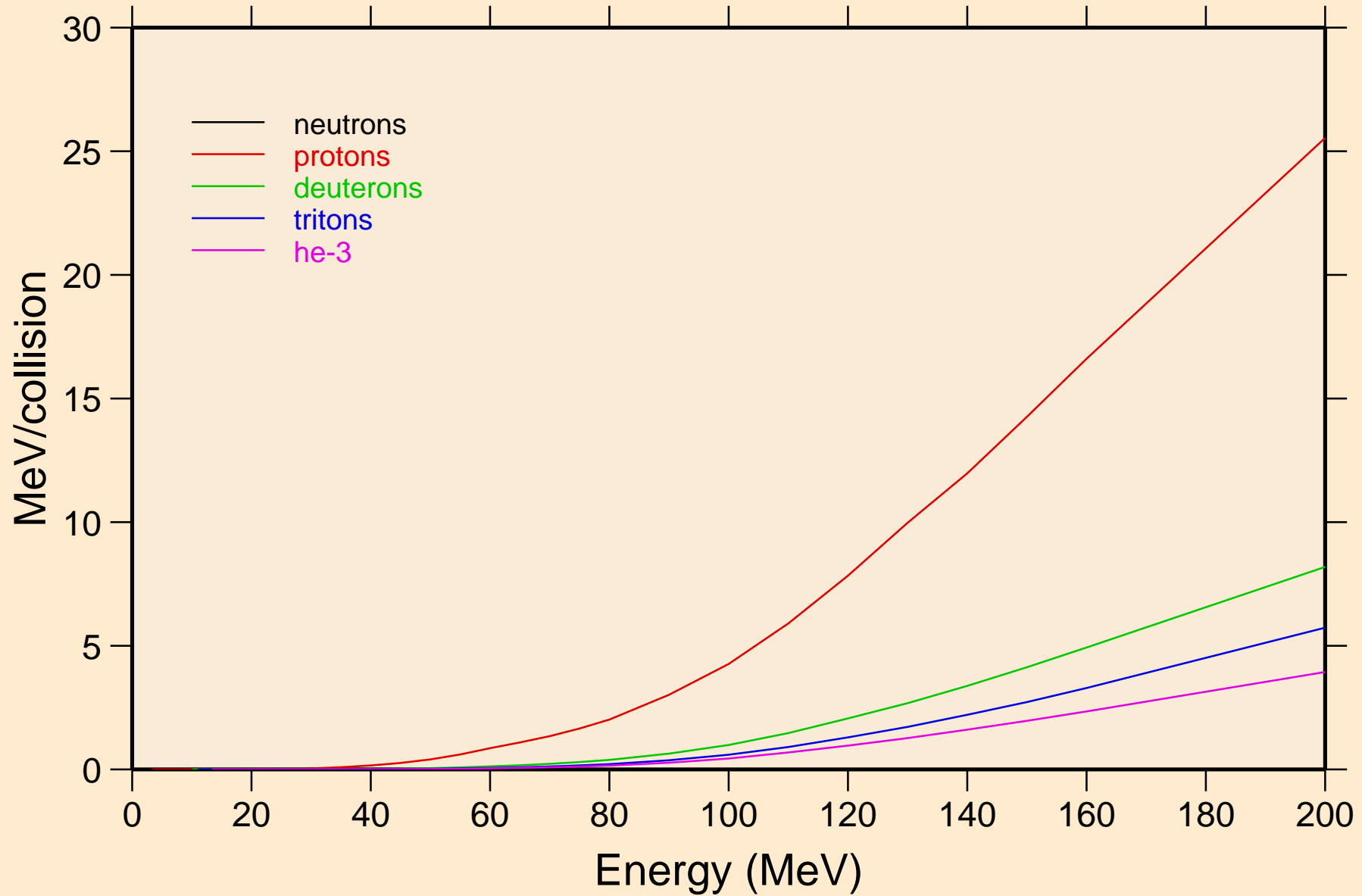


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Photon emission for (n,da)



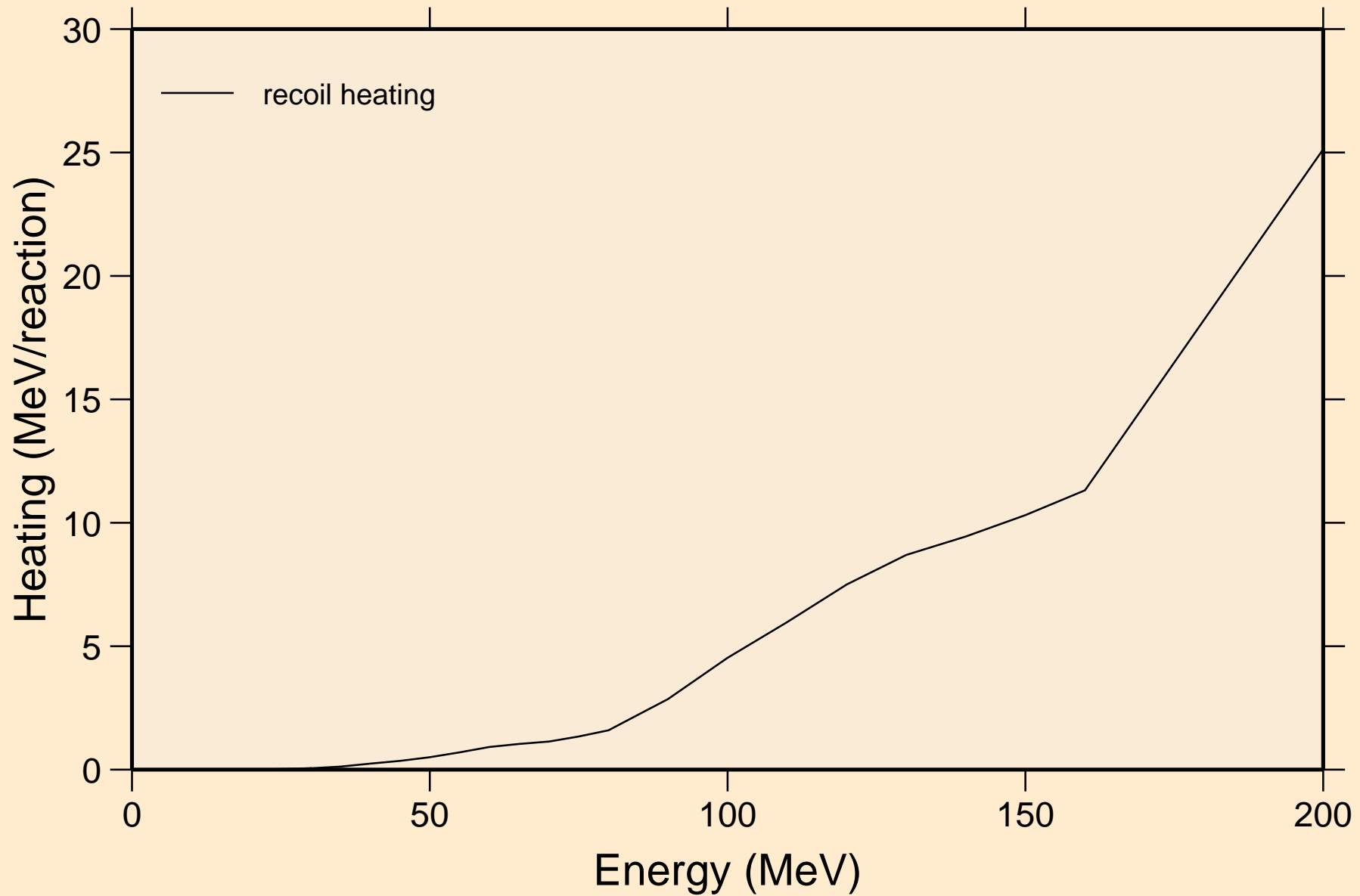
# Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Particle heating contributions



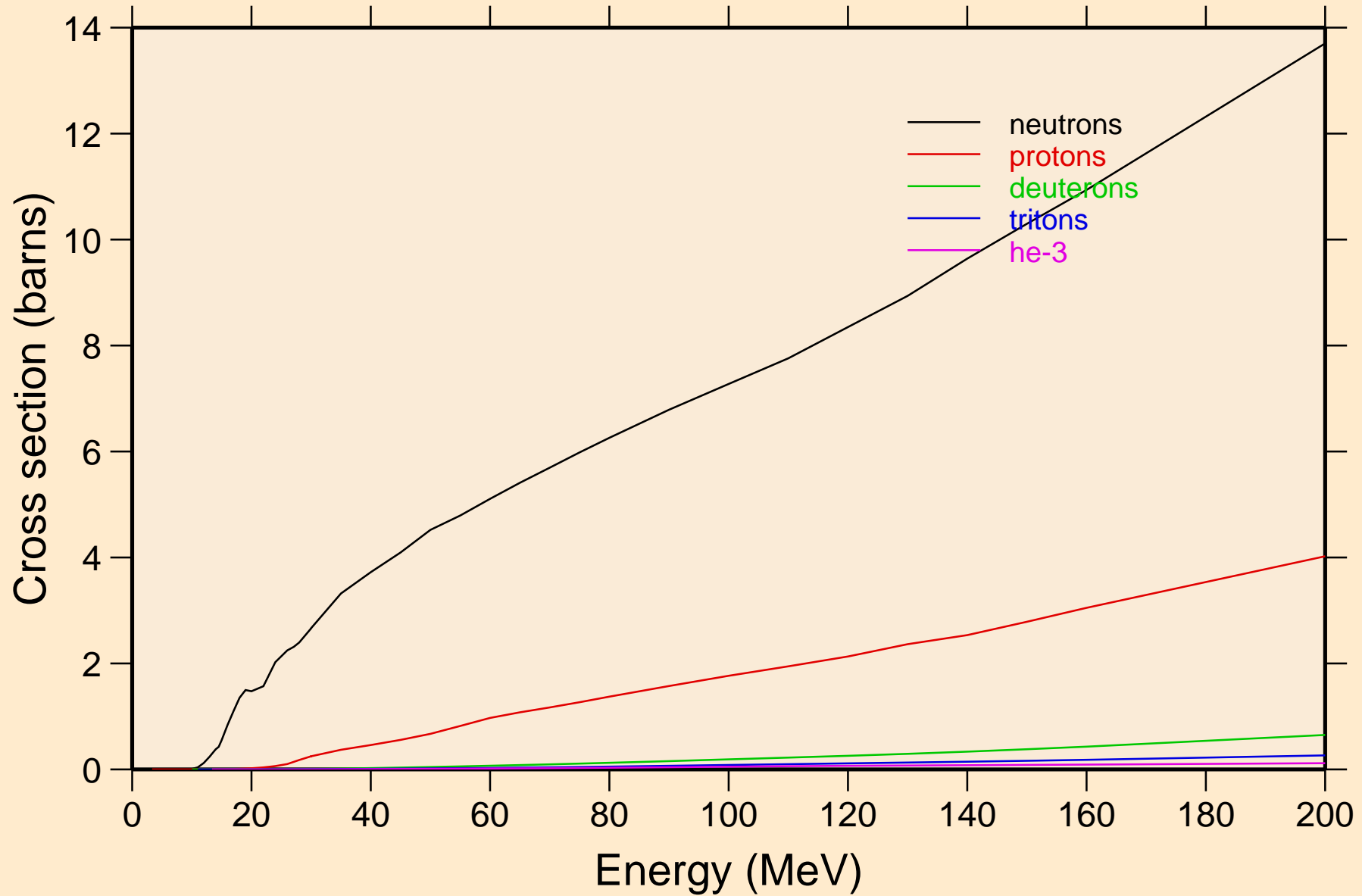
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### Recoil Heating

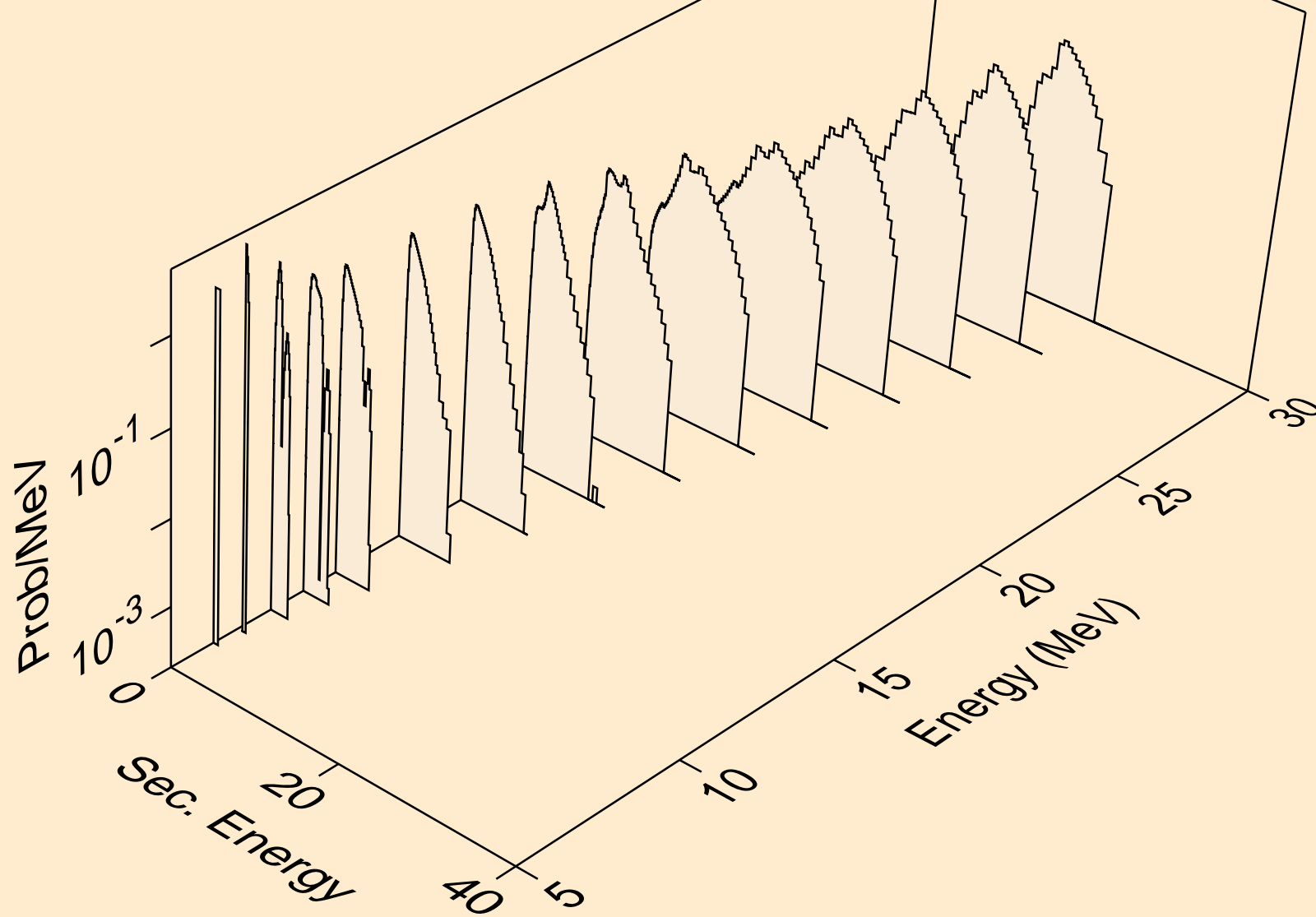


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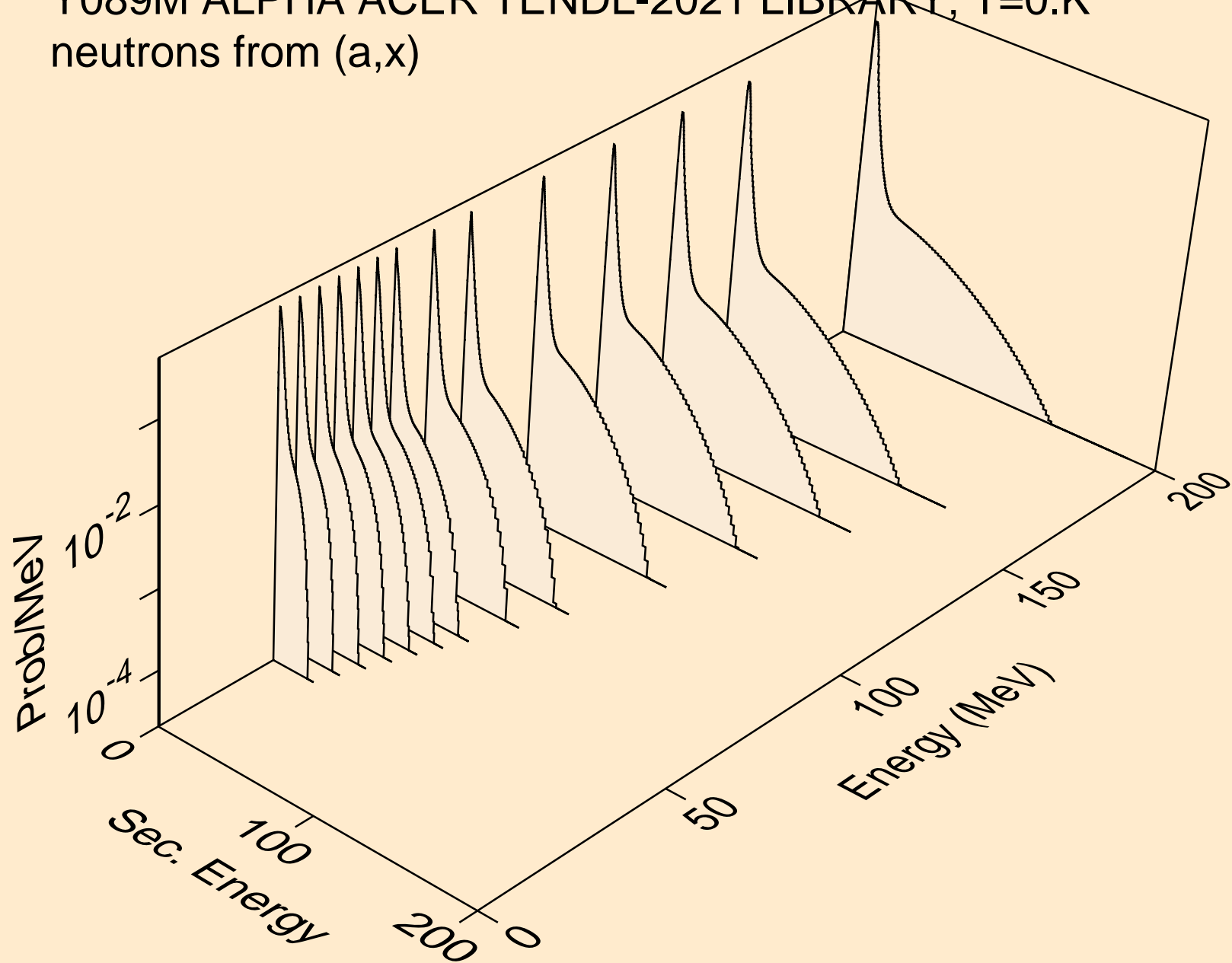
## Particle production cross sections



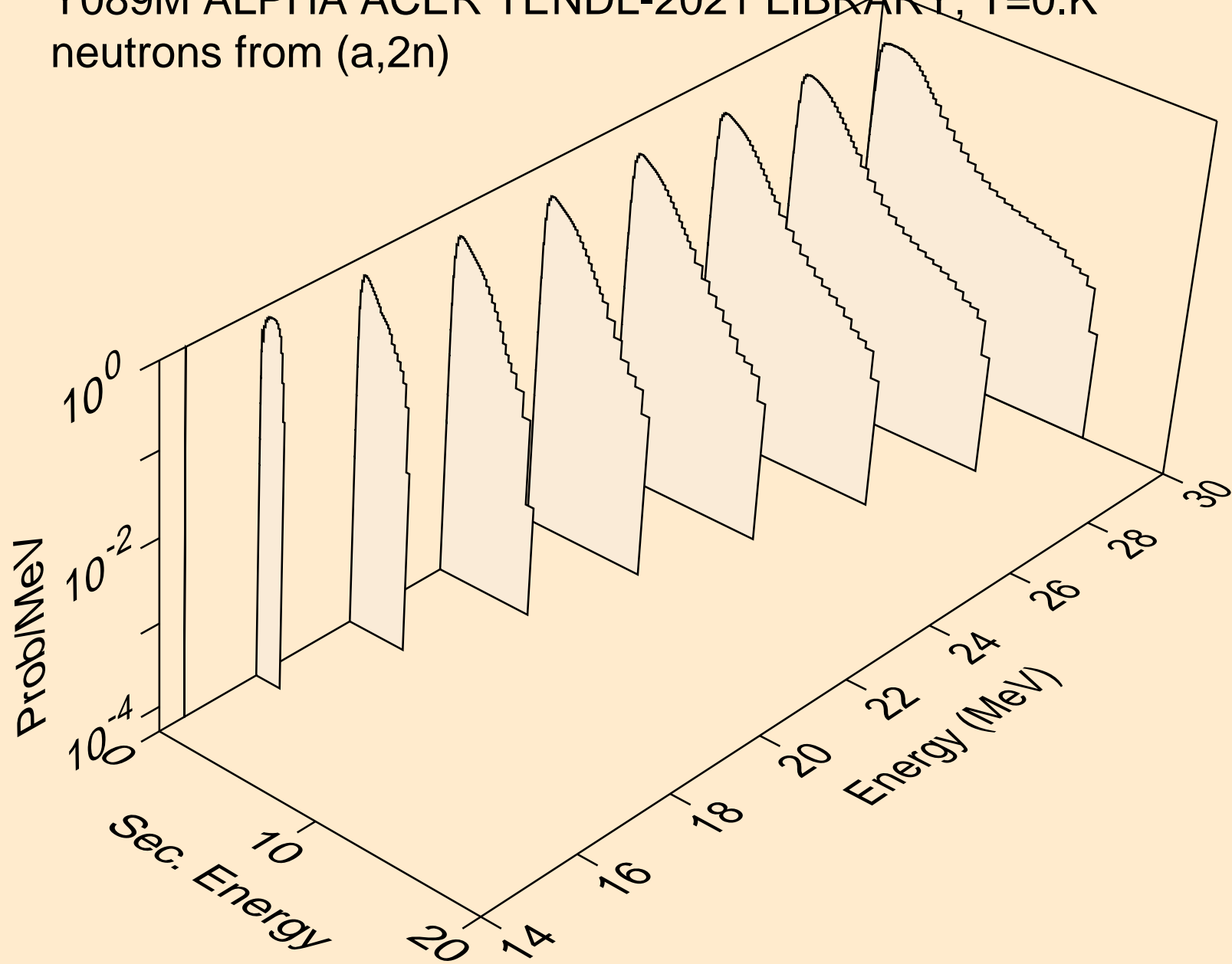
Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n)



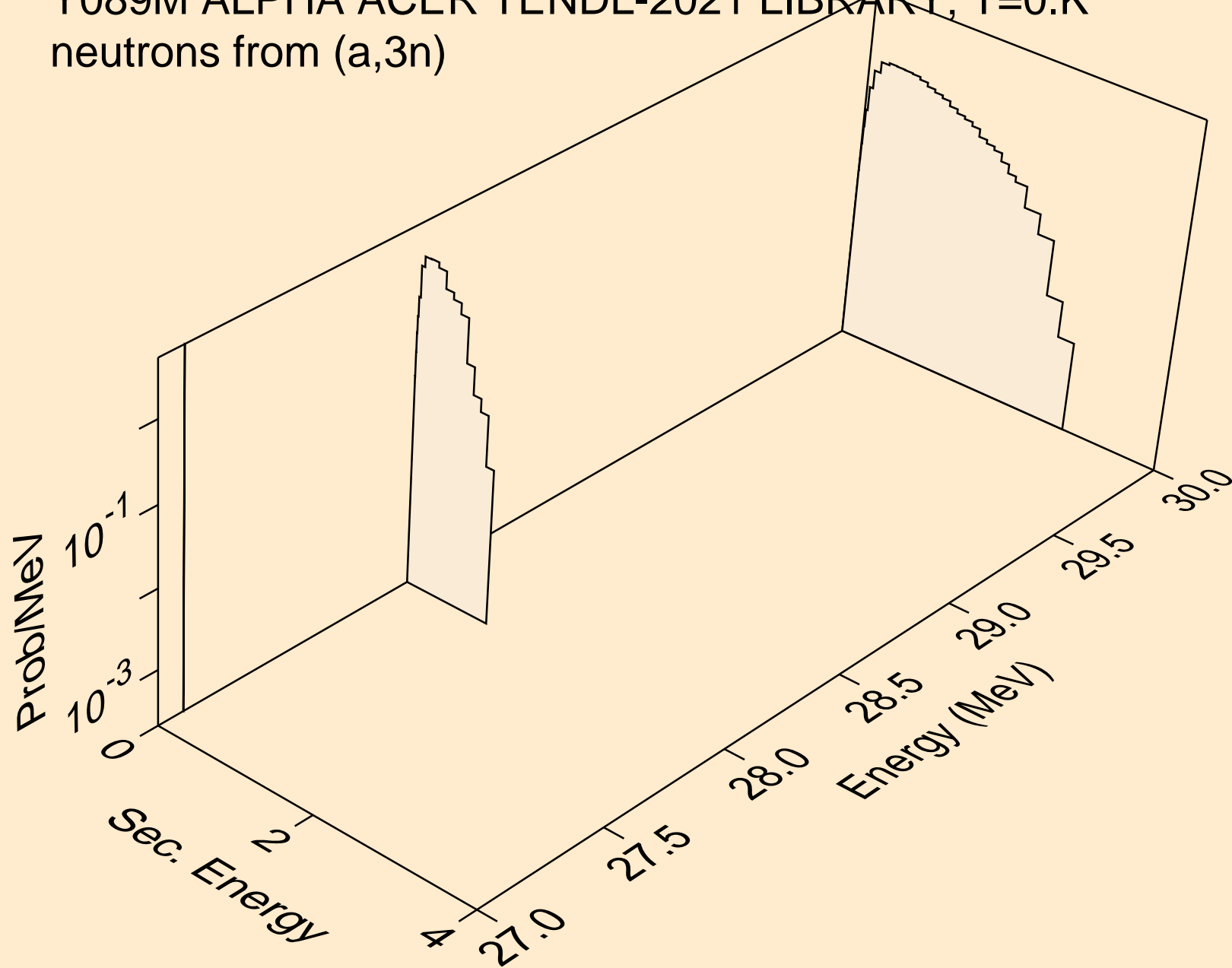
Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,x)



Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,2n)

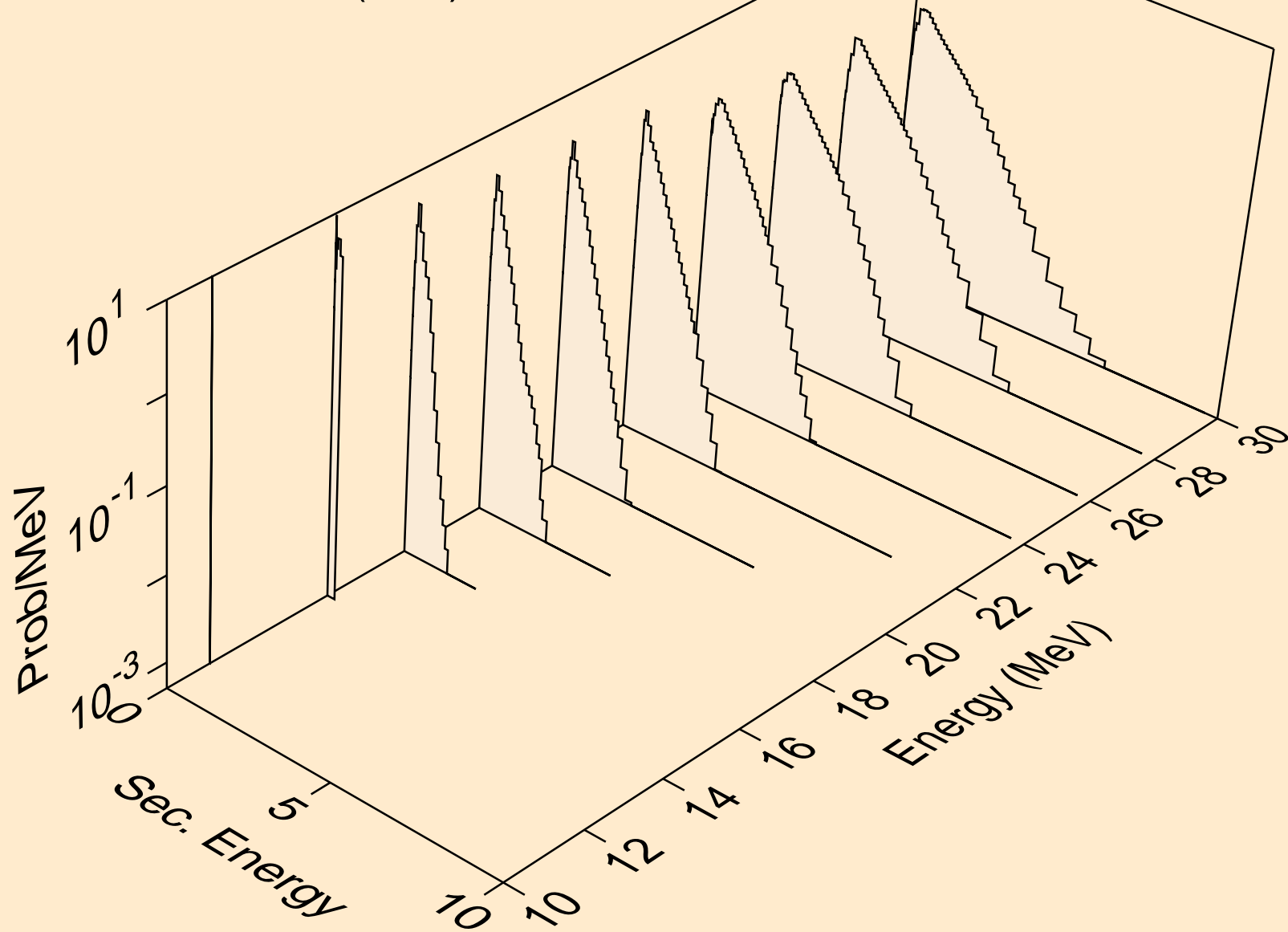


Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,3n)

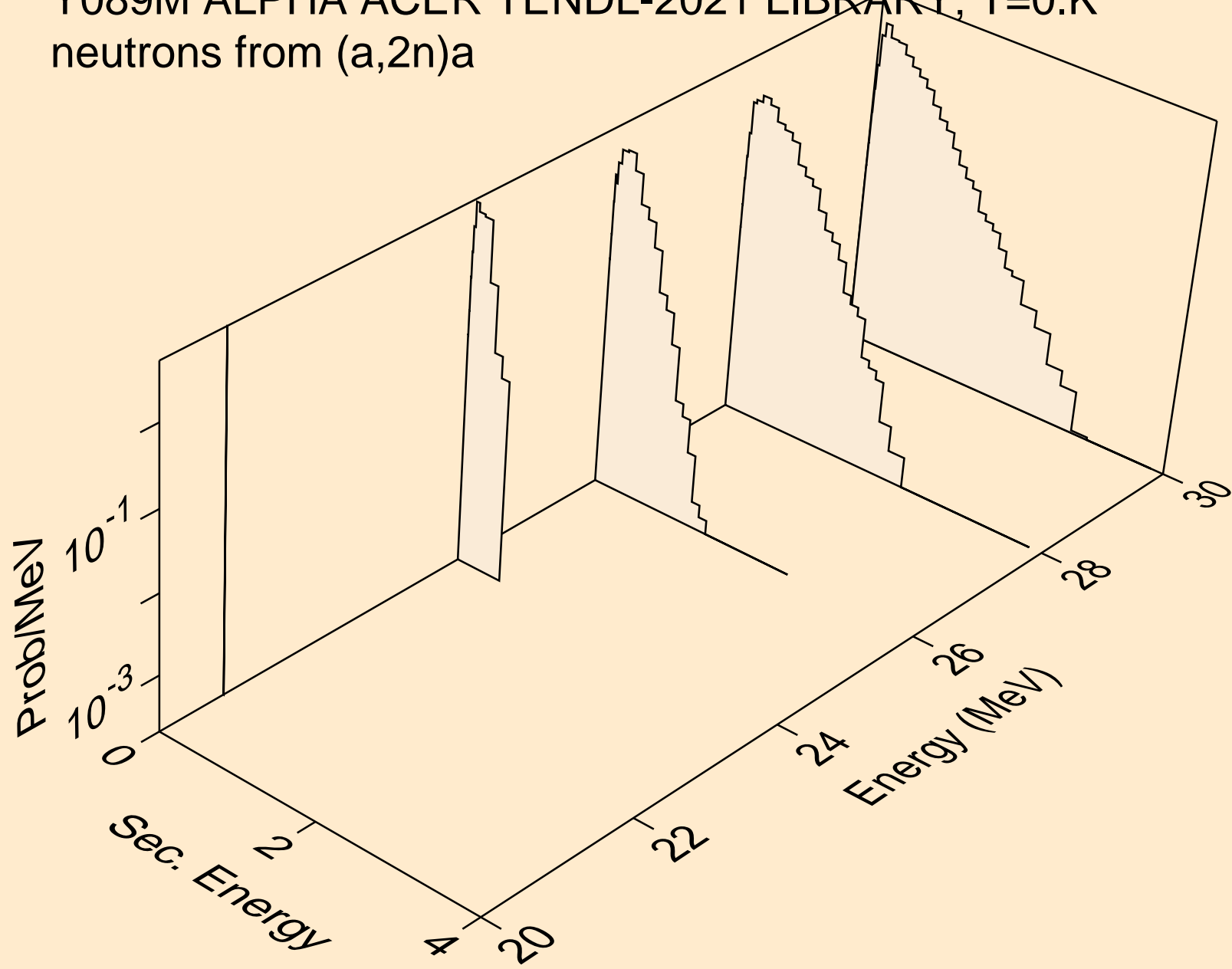




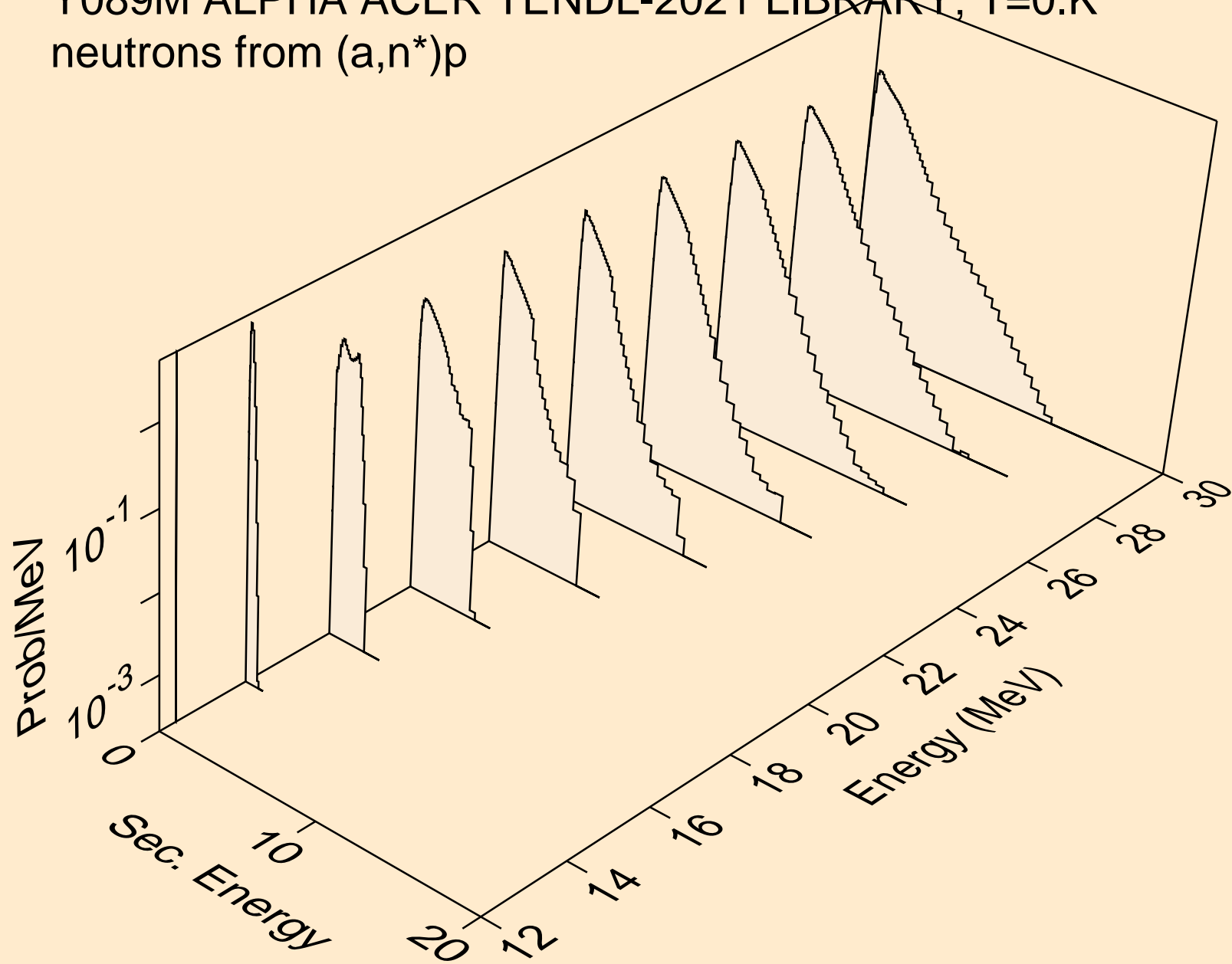
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neutrons from (a,n\*)a



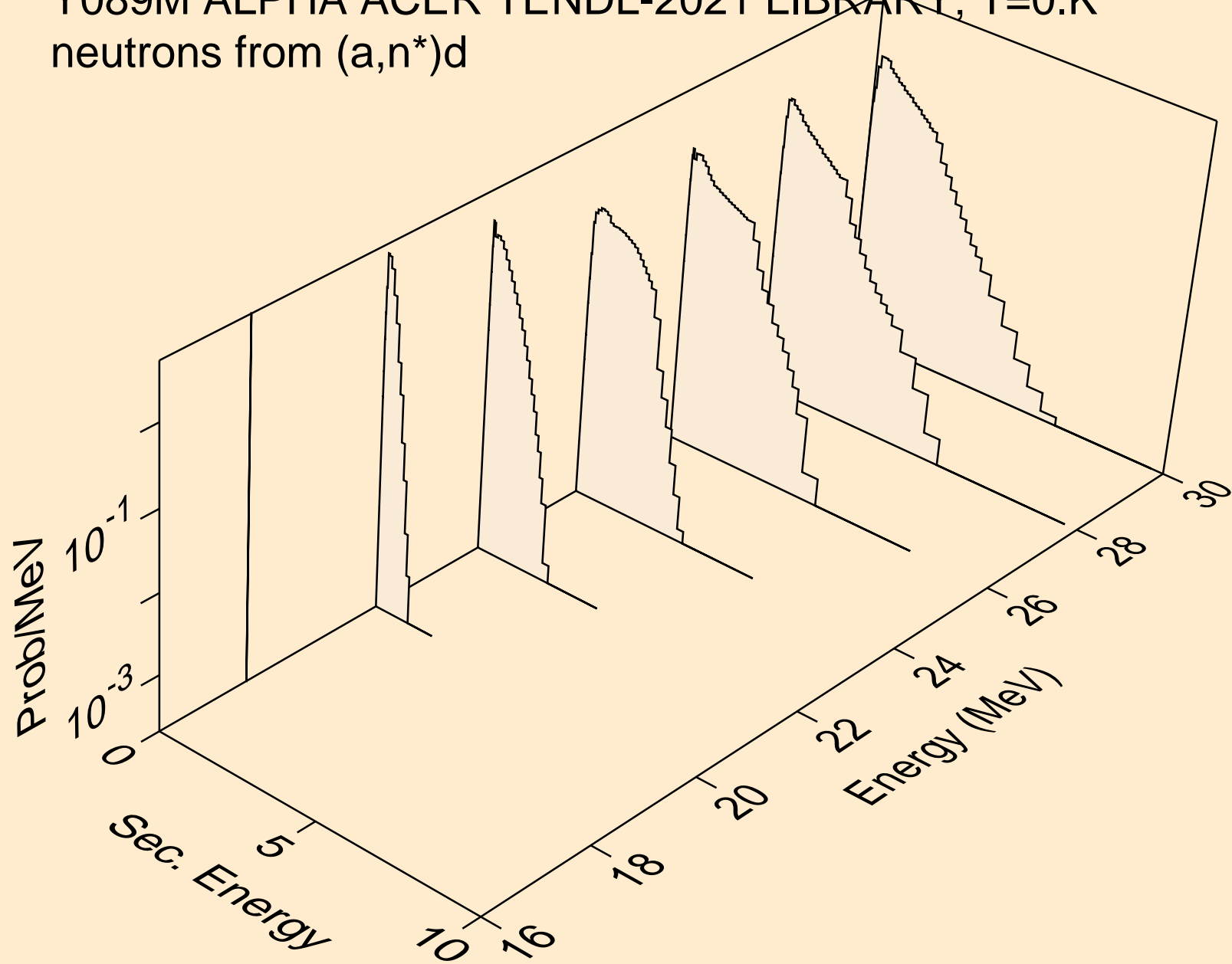
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neutrons from (a,2n)a



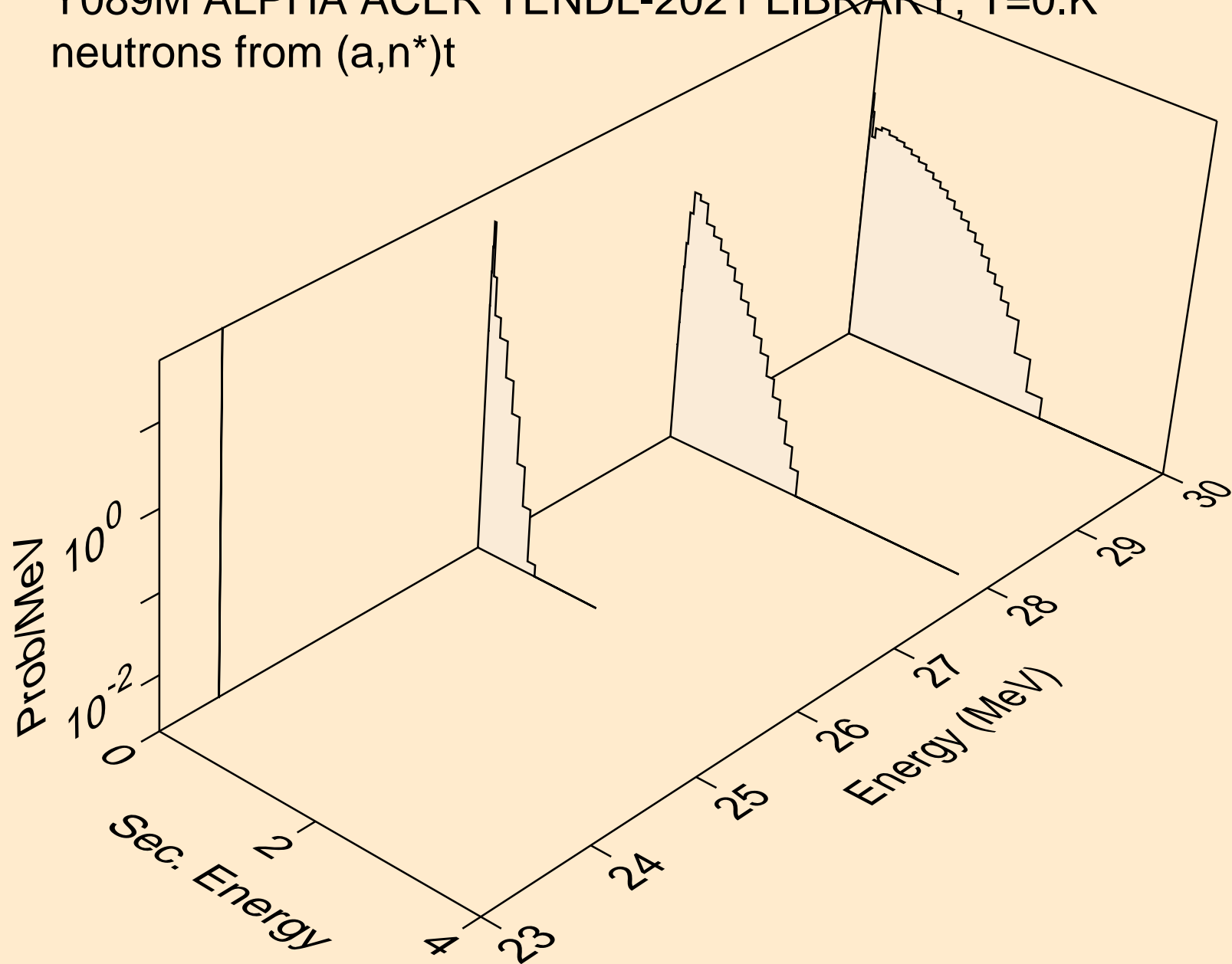
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neutrons from (a,n\*)p



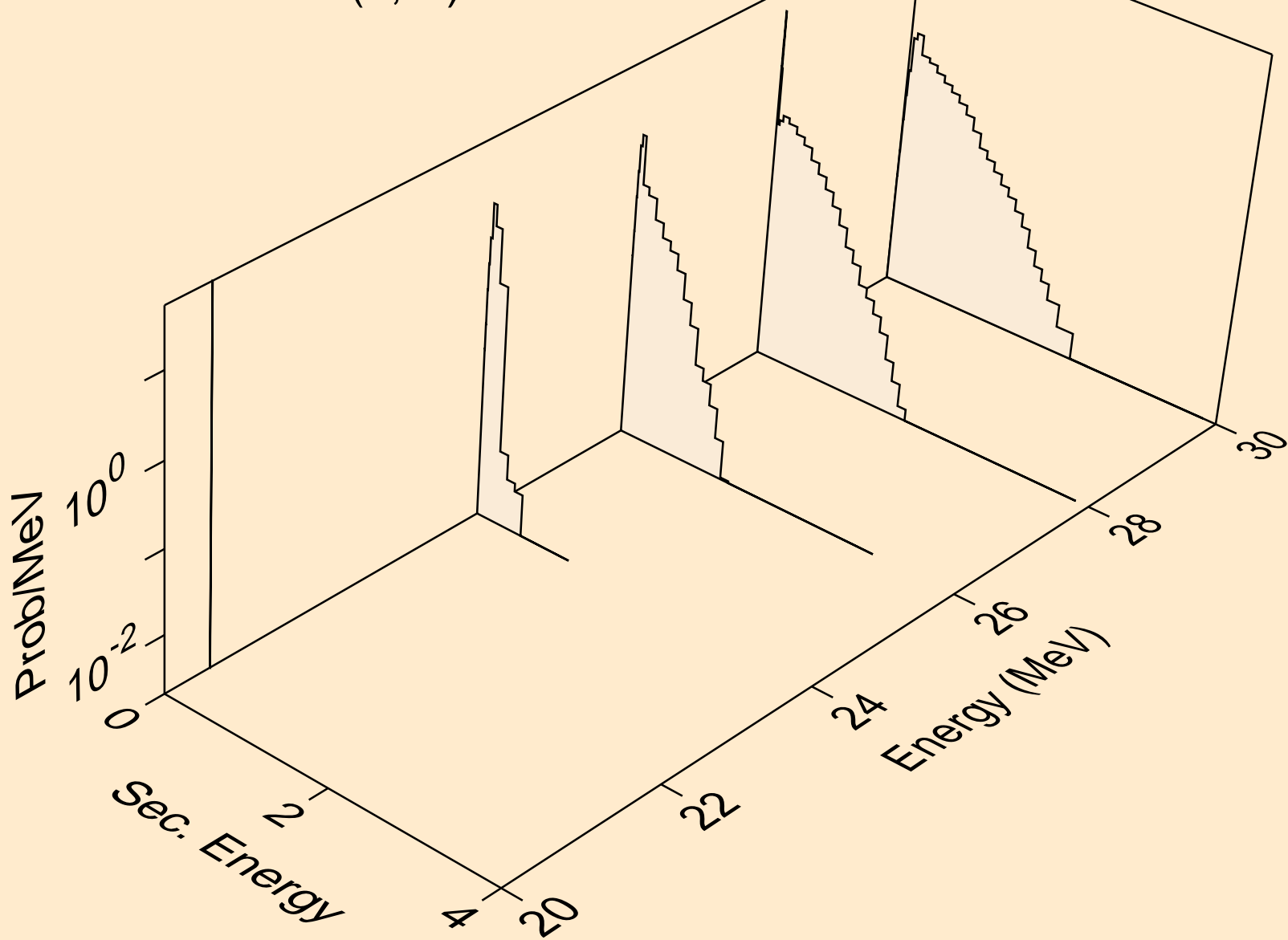
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neutrons from (a,n\*)d



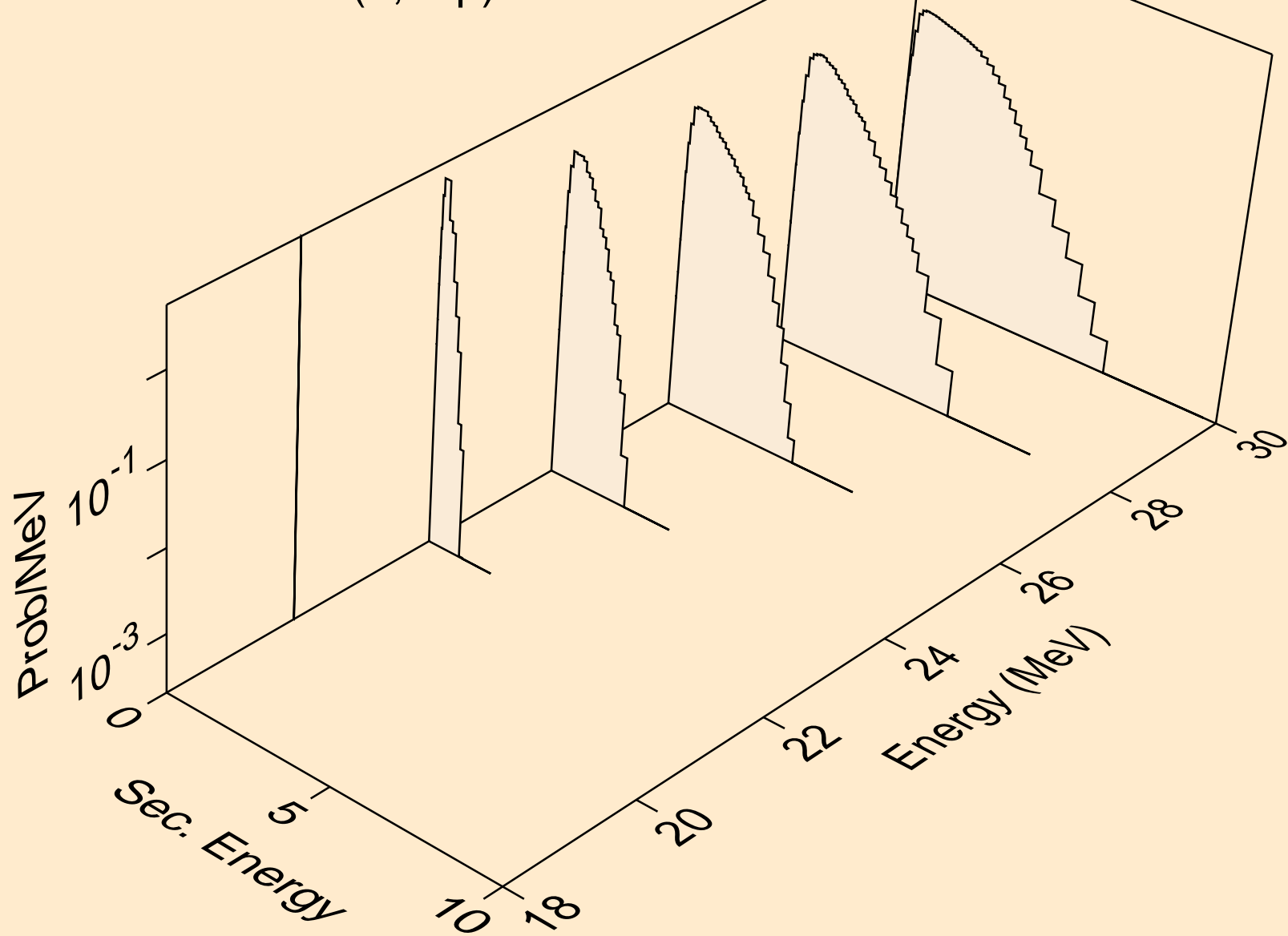
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neutrons from (a,n\*)t



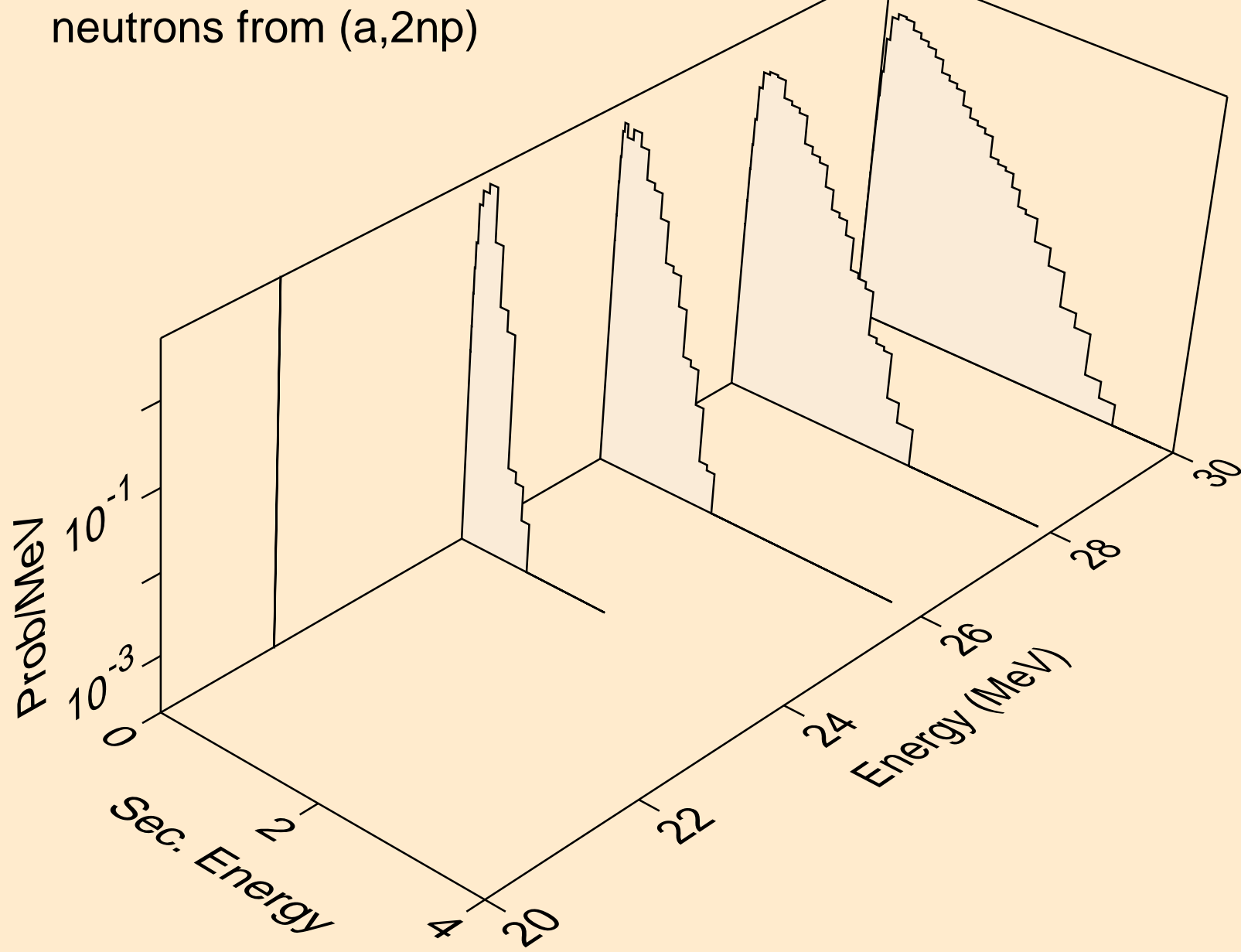
Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)he3



Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
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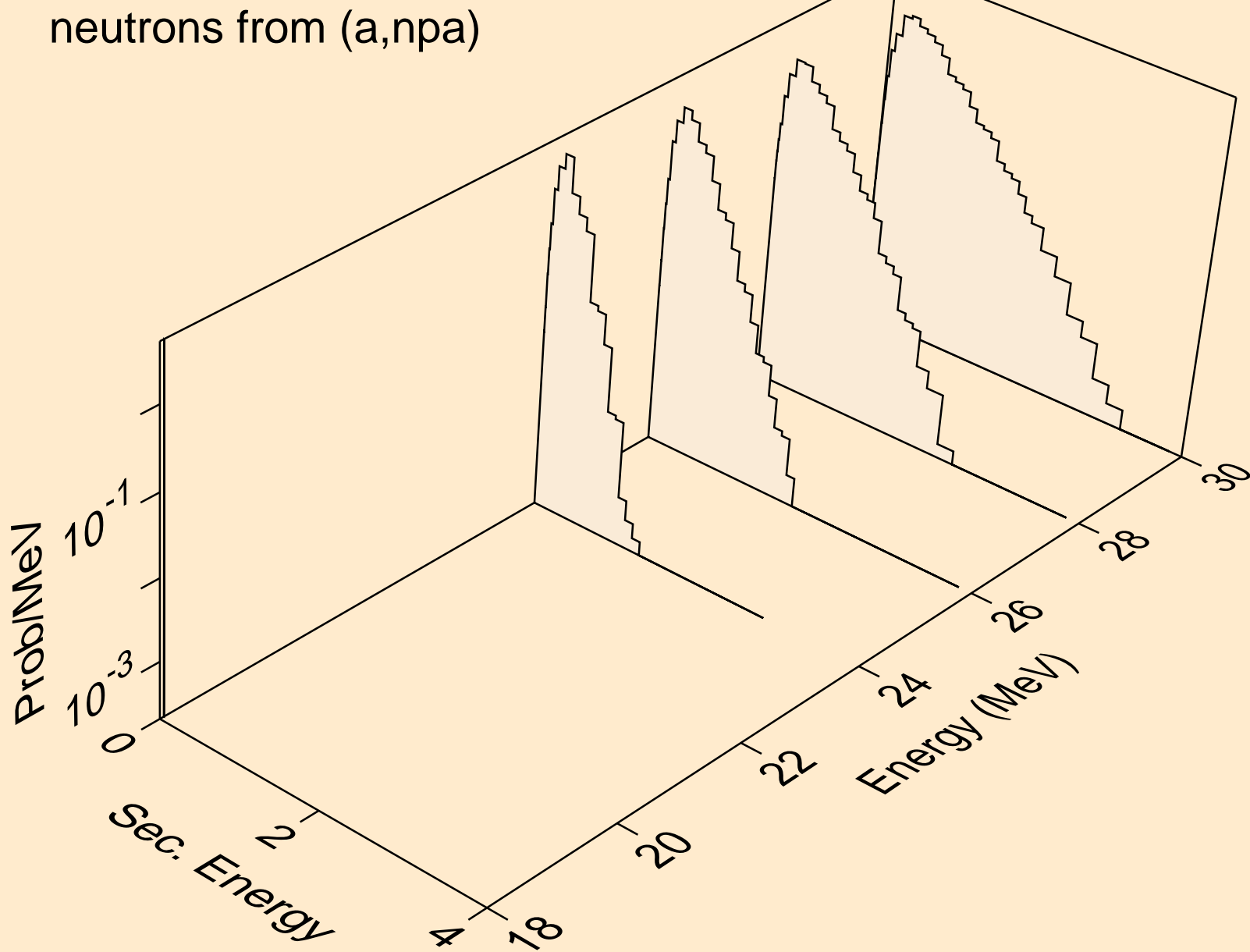


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neutrons from (a,2np)

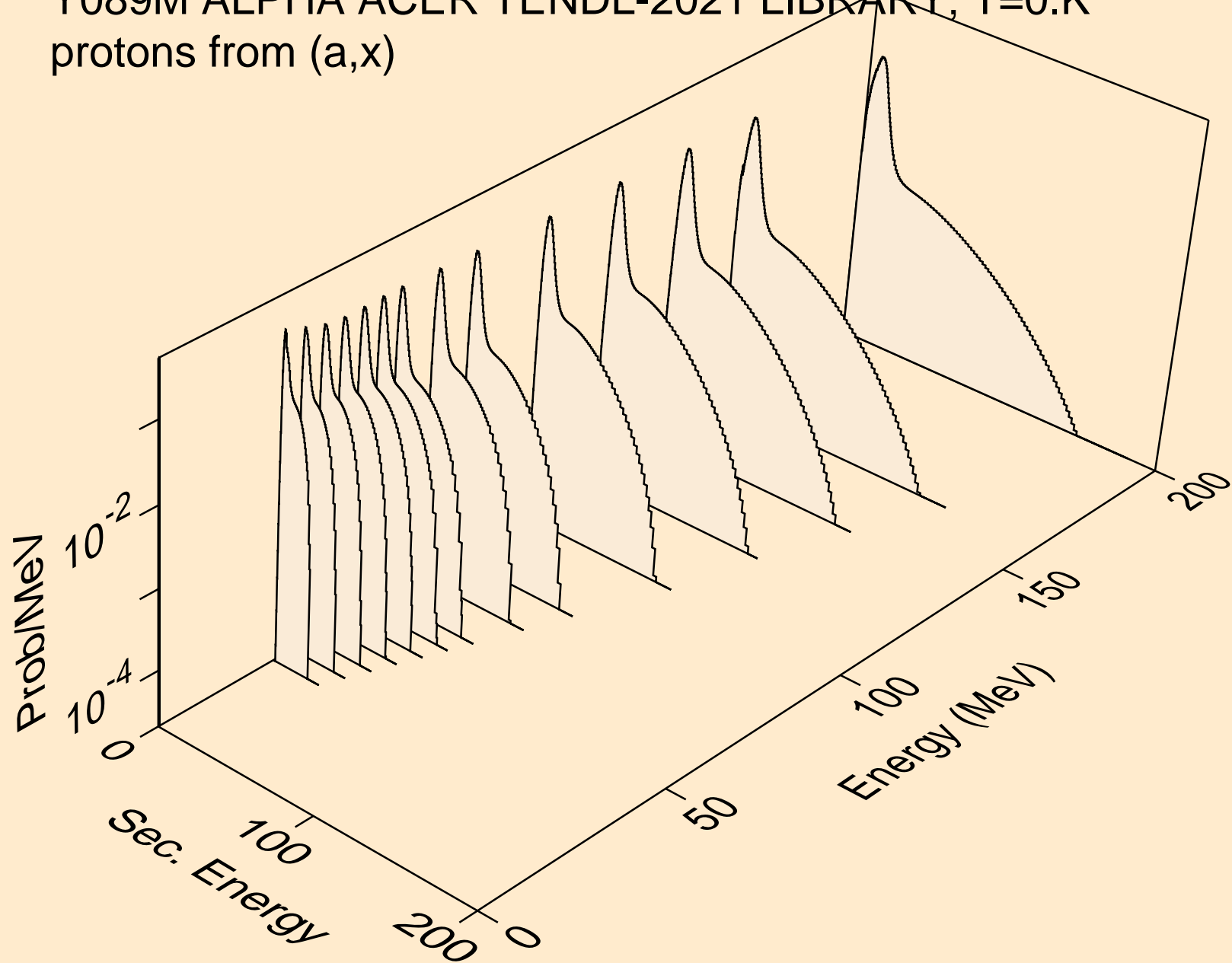




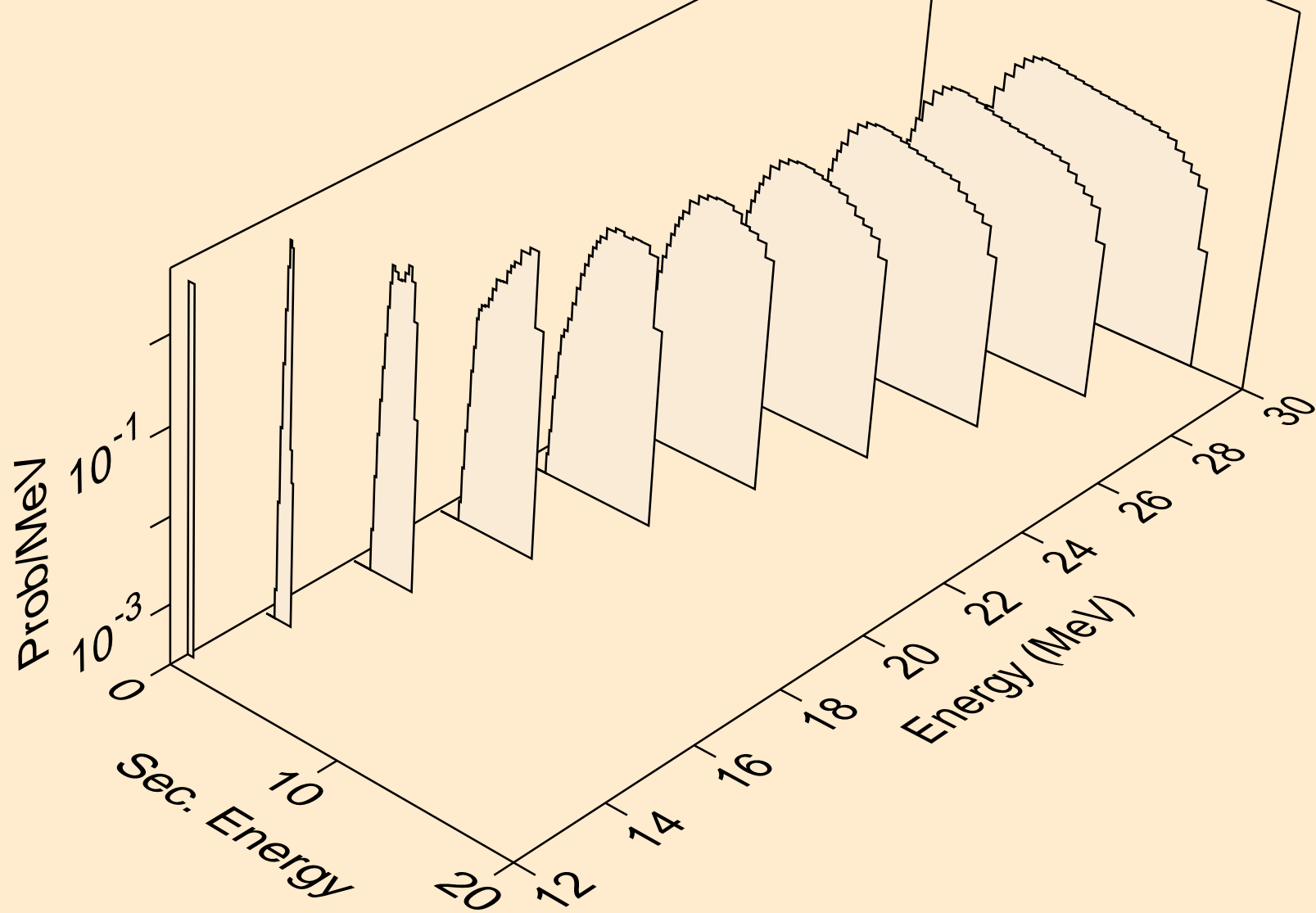
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neutrons from (a,npa)



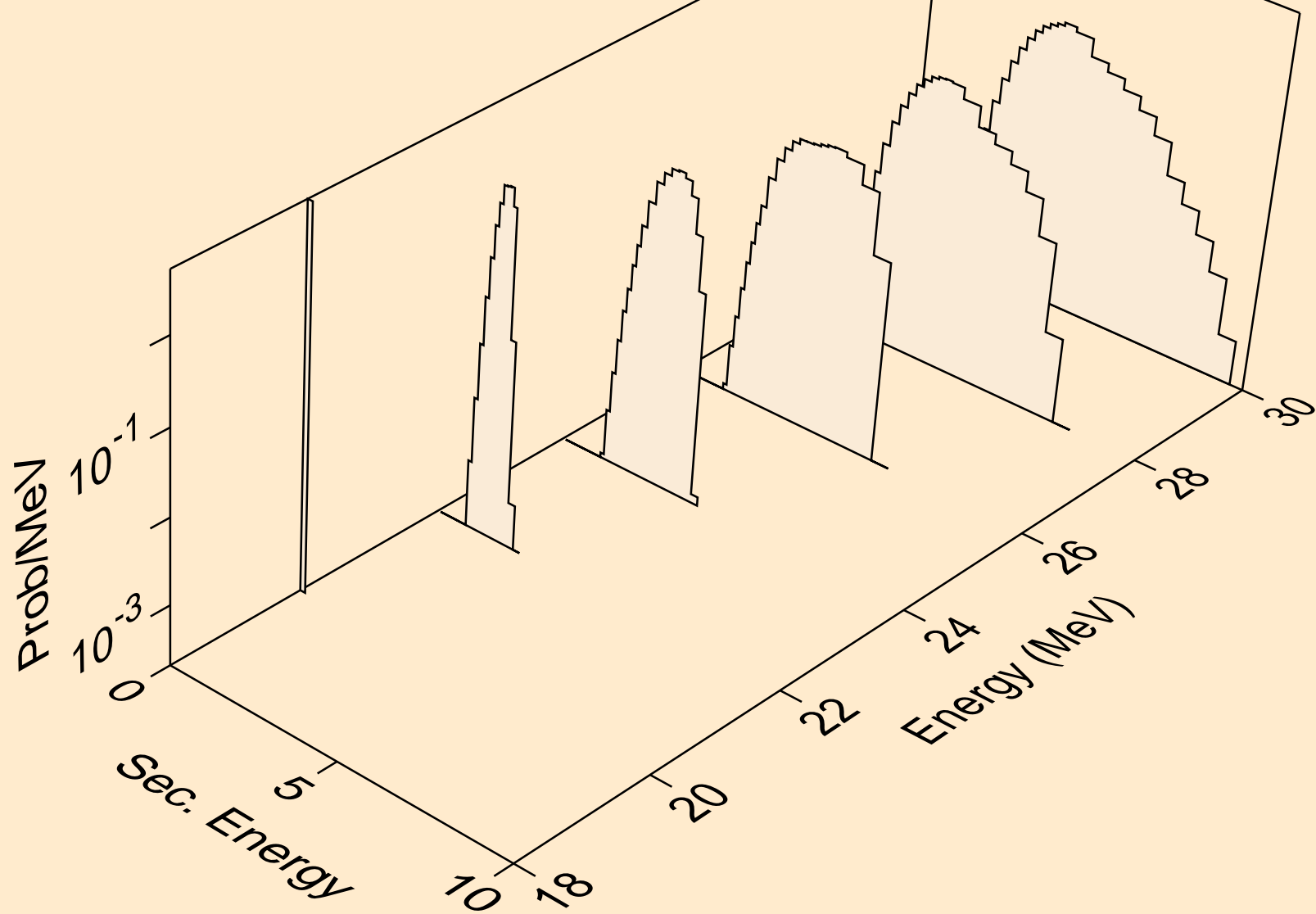
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protons from (a,x)



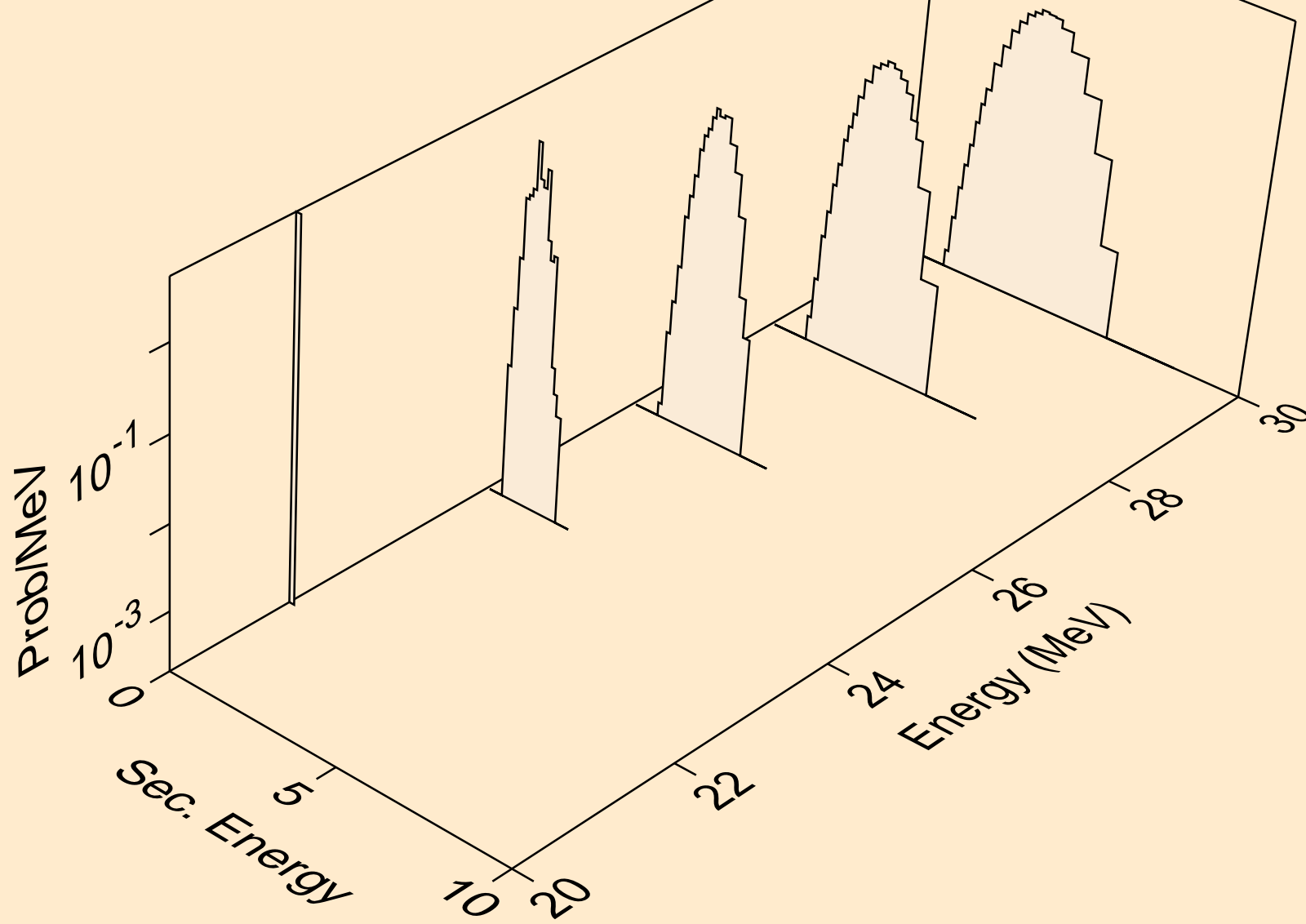
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protons from (a,n\*)p



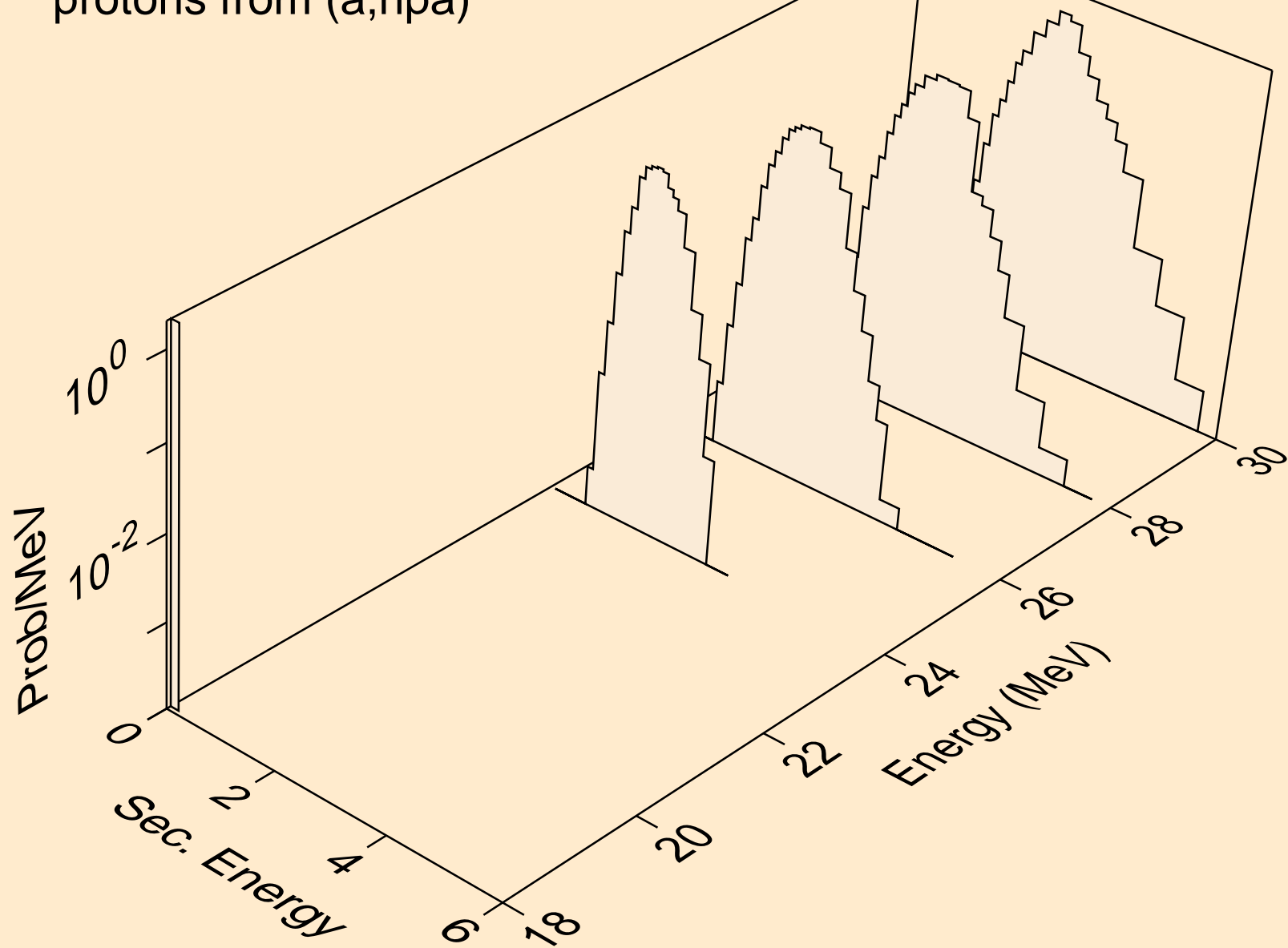
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protons from (a,2np)



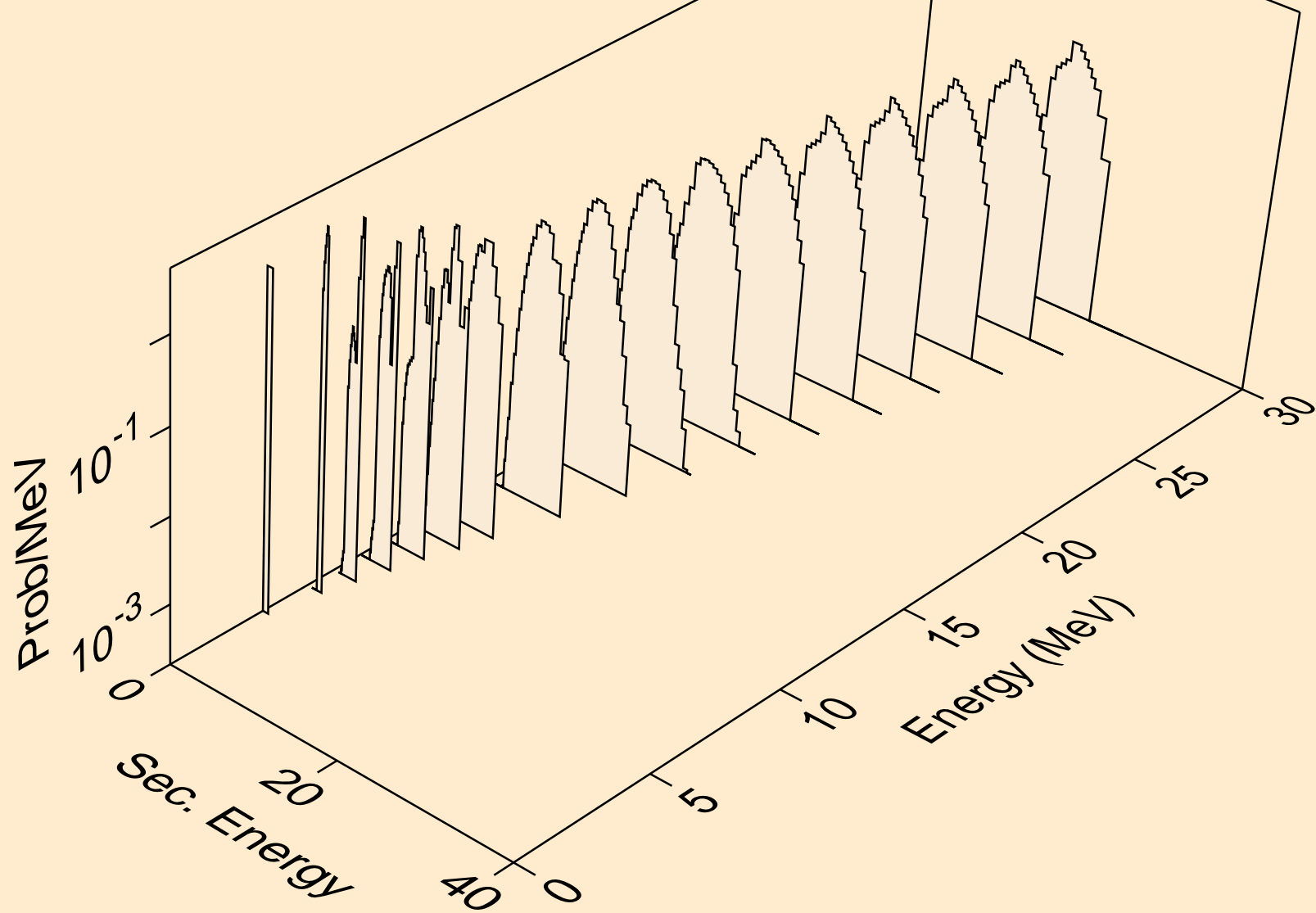
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protons from (a,2np)



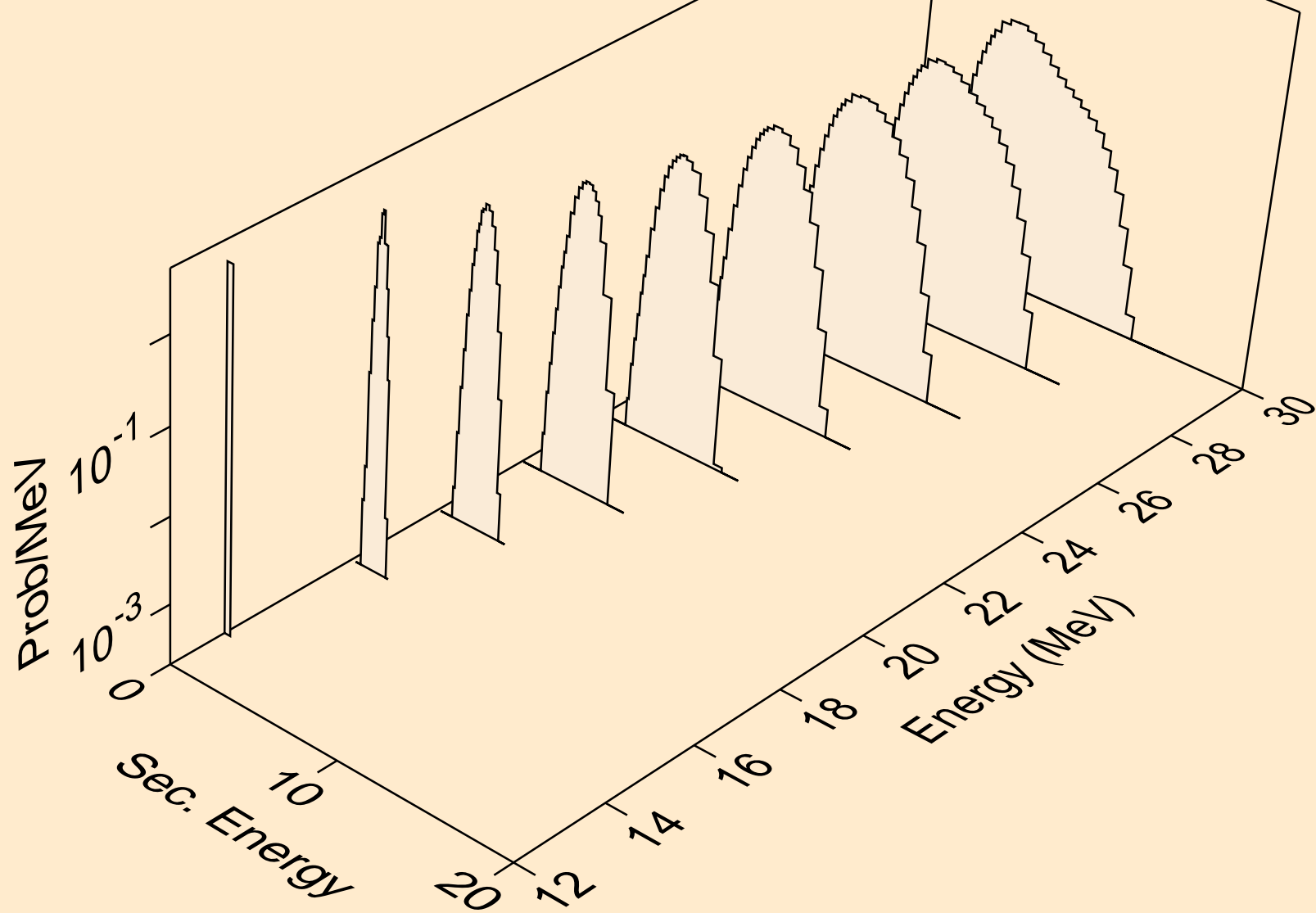
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protons from (a,npa)



Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,p)

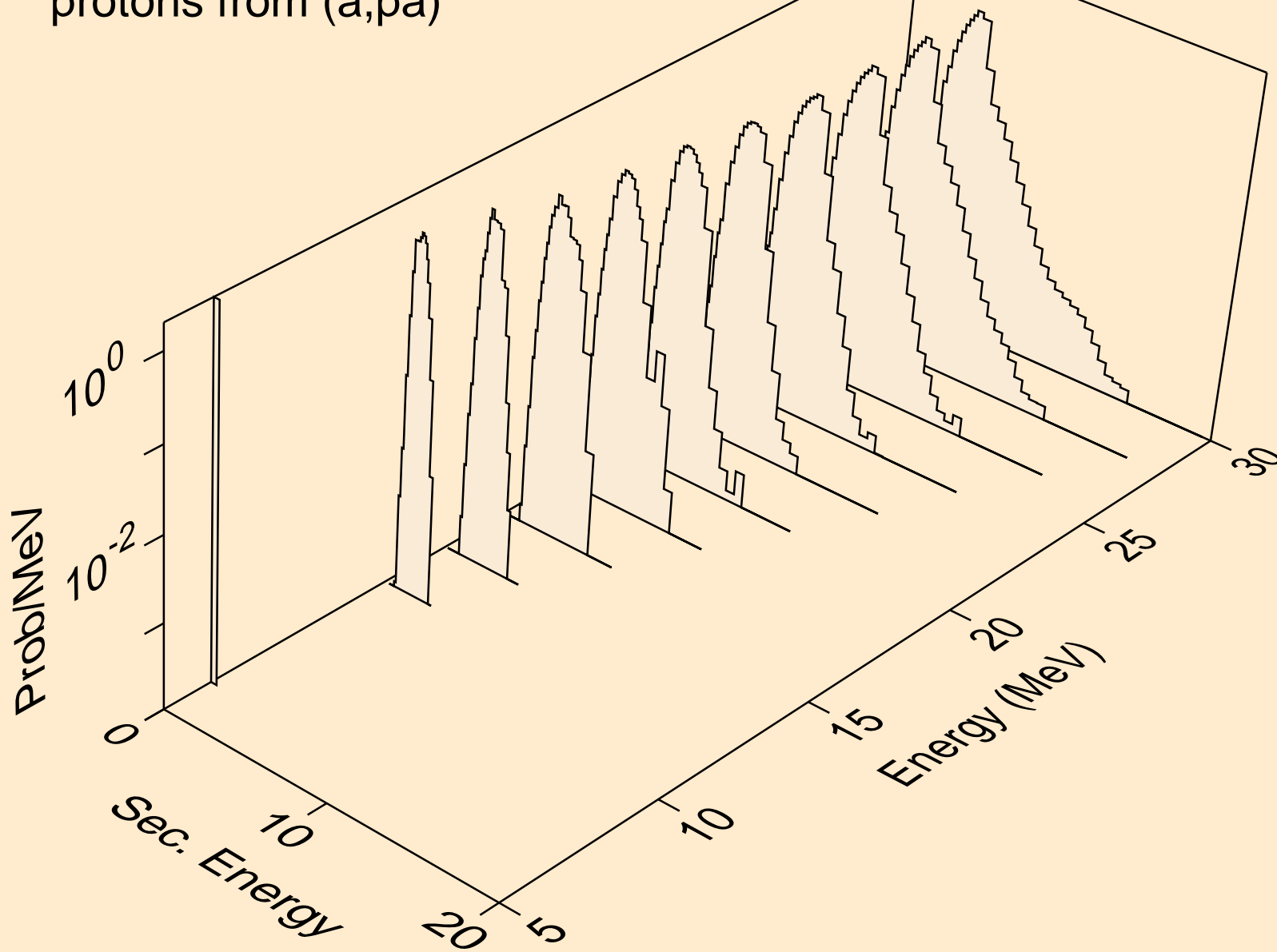


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protons from (a,2p)

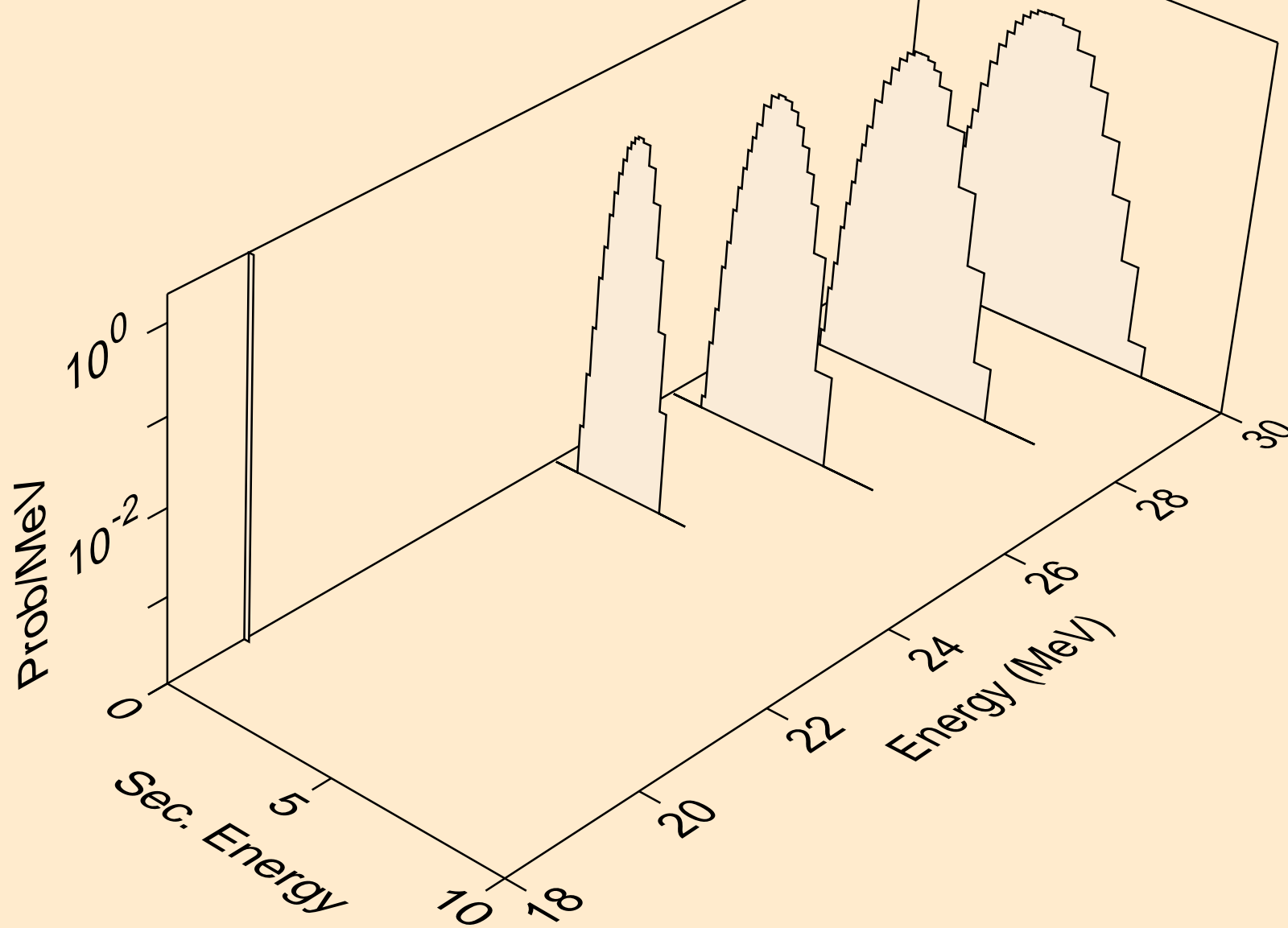




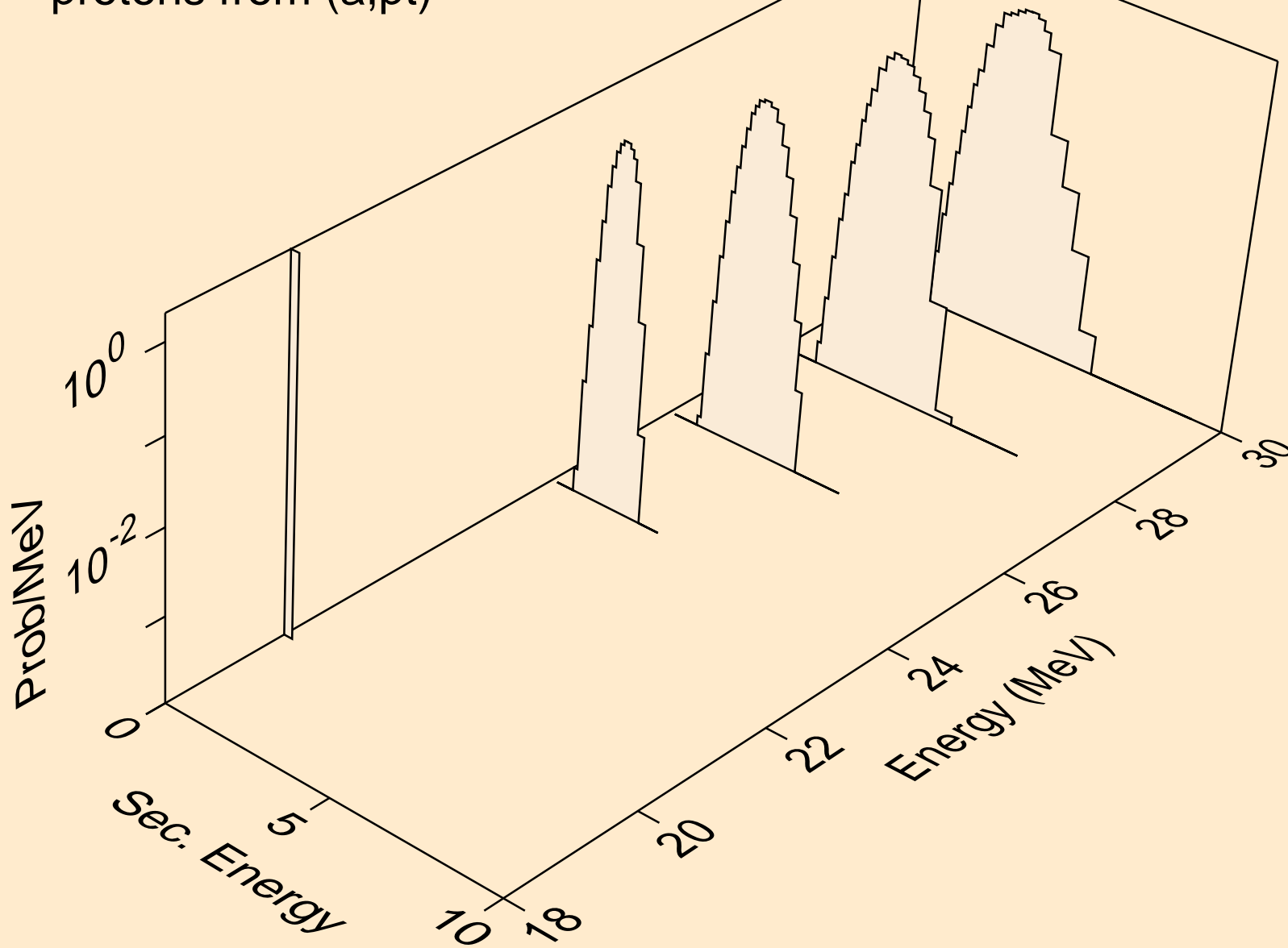
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protons from (a,pa)



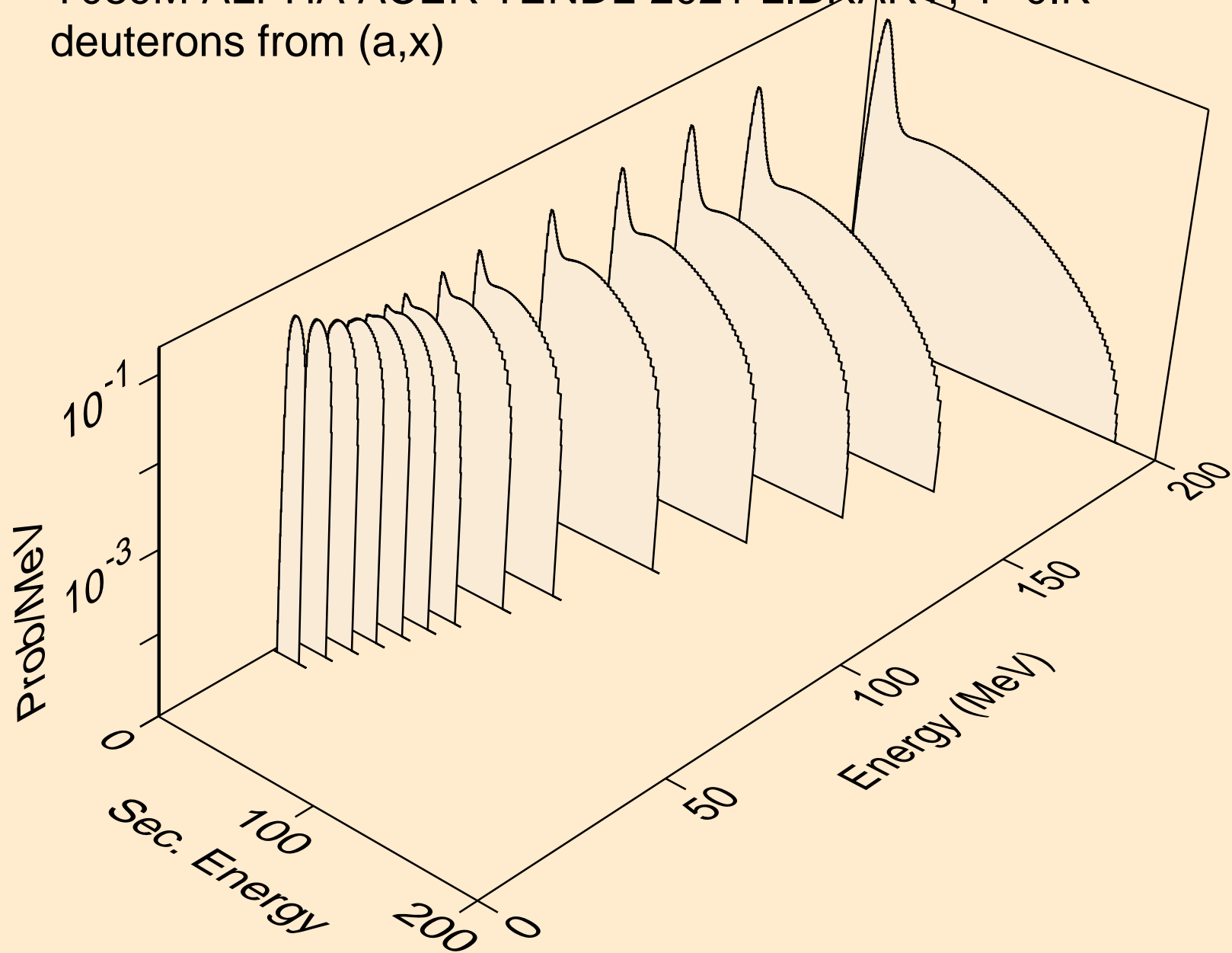
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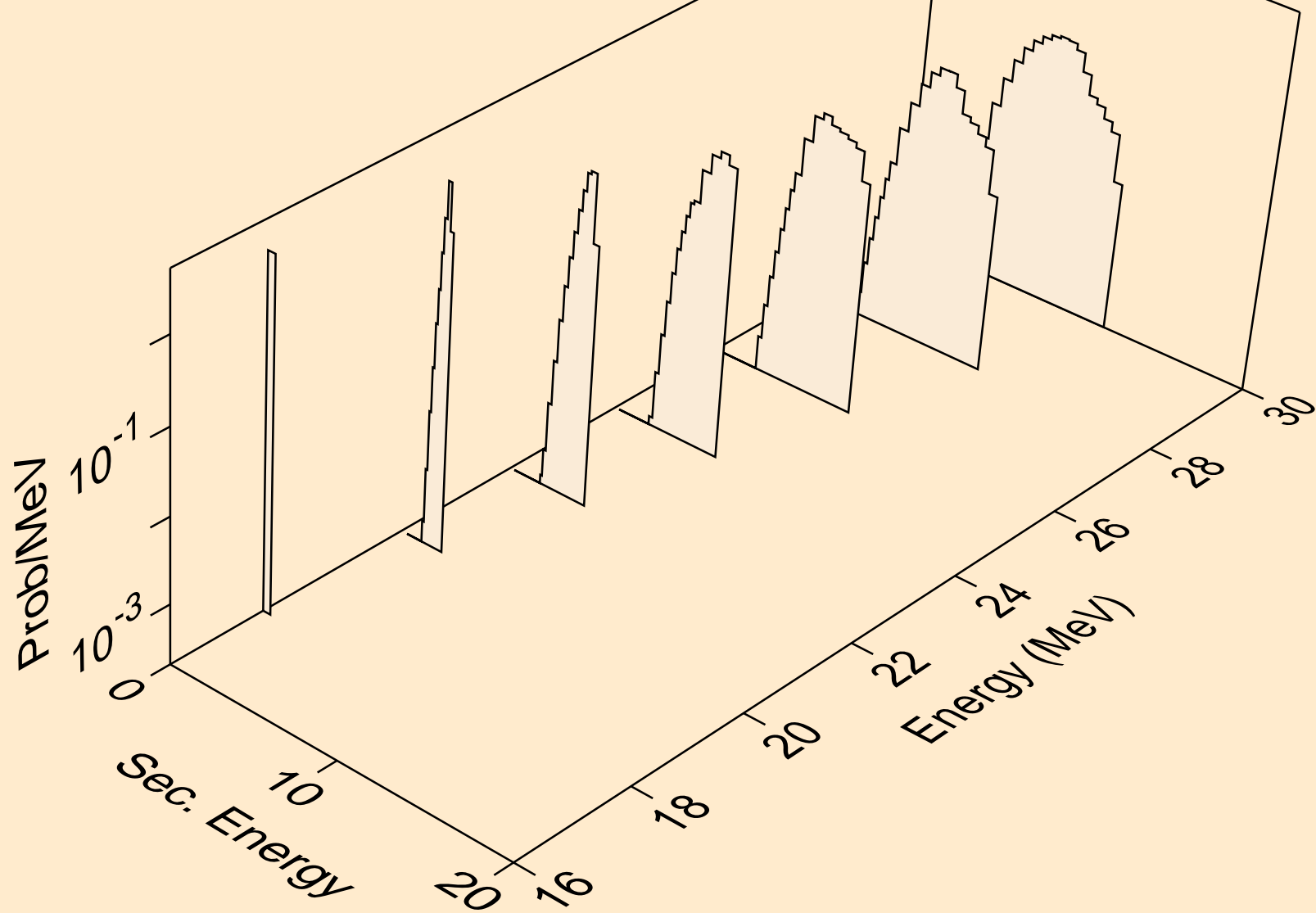
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protons from (a,pt)



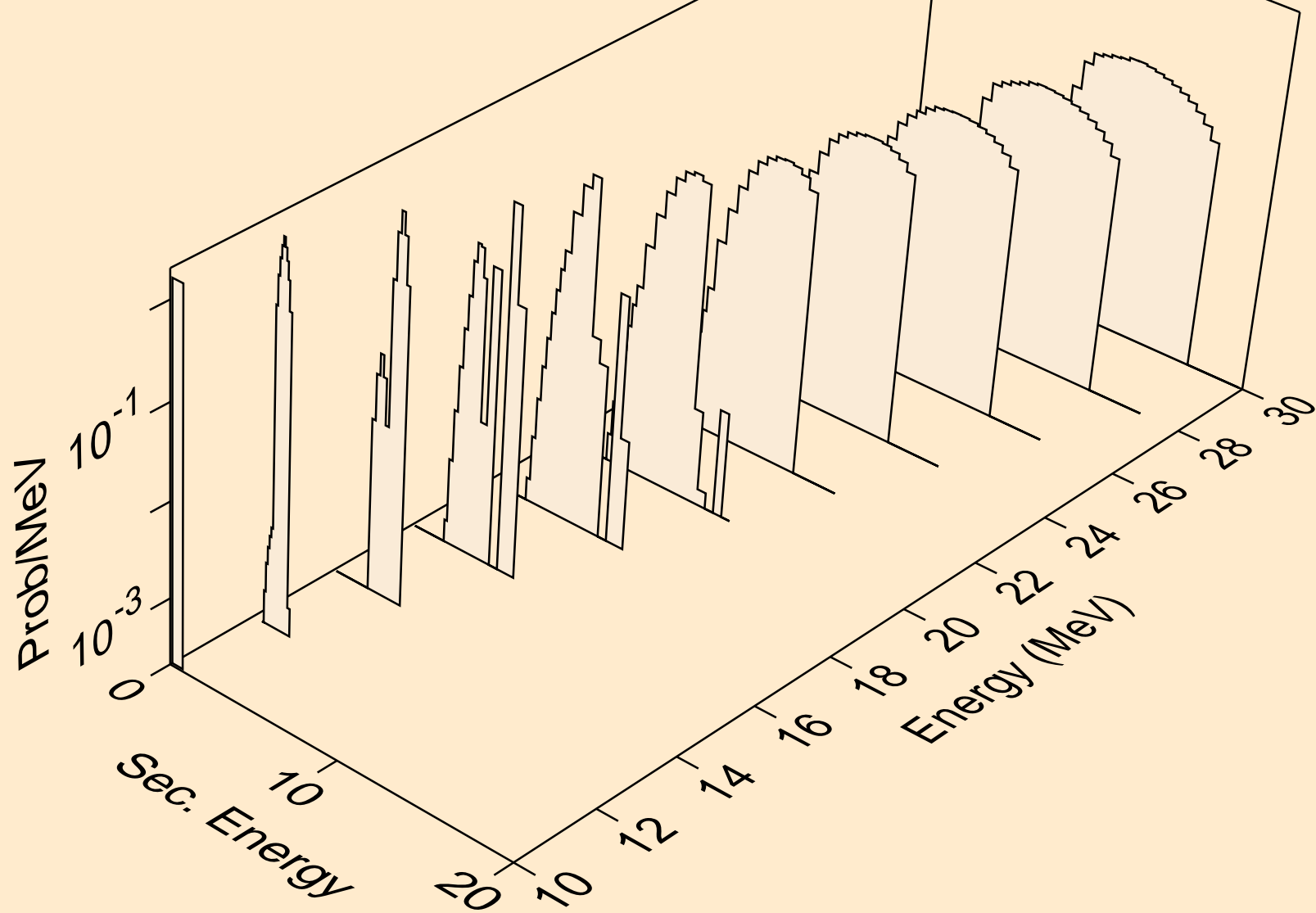
Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,x)



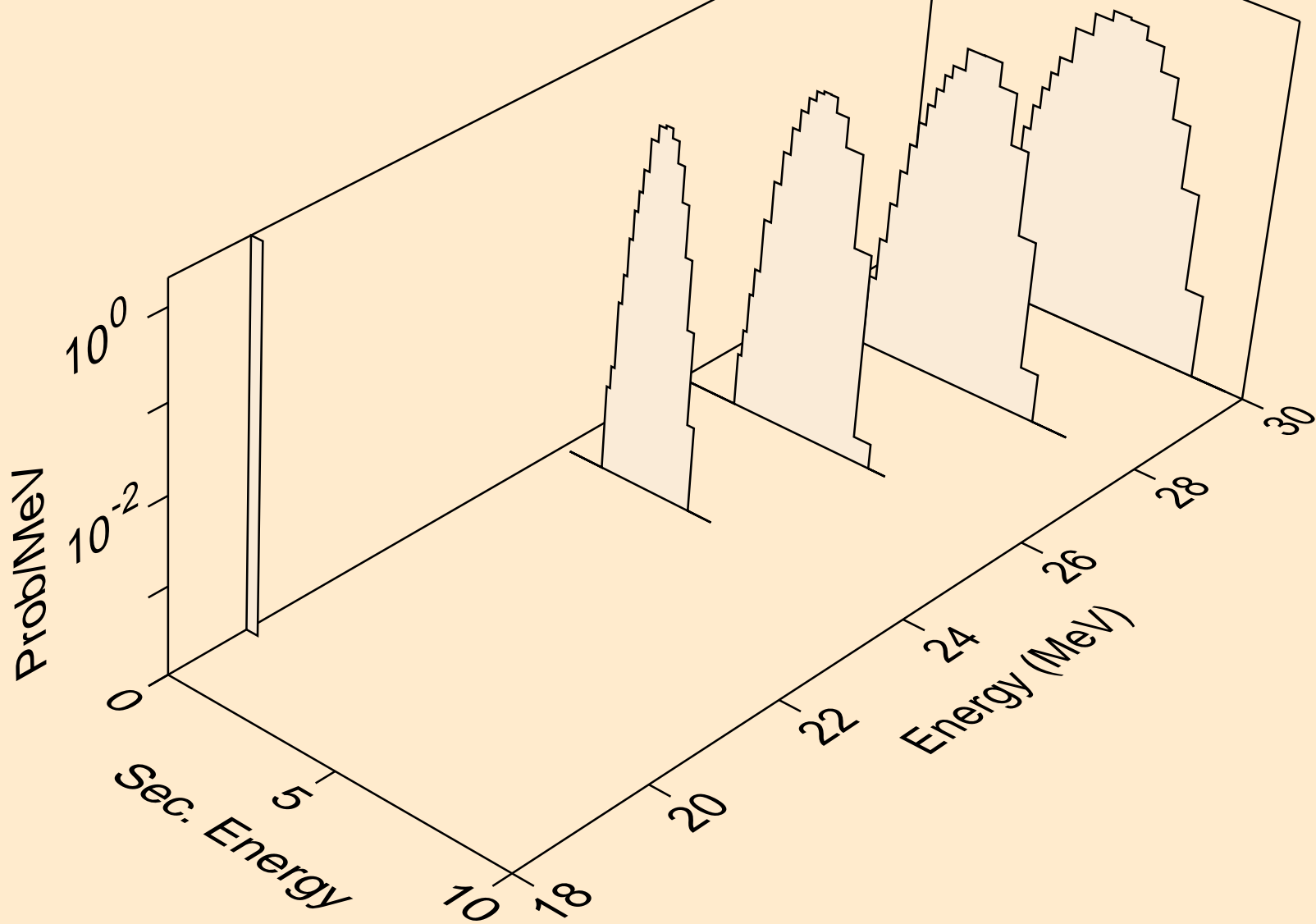
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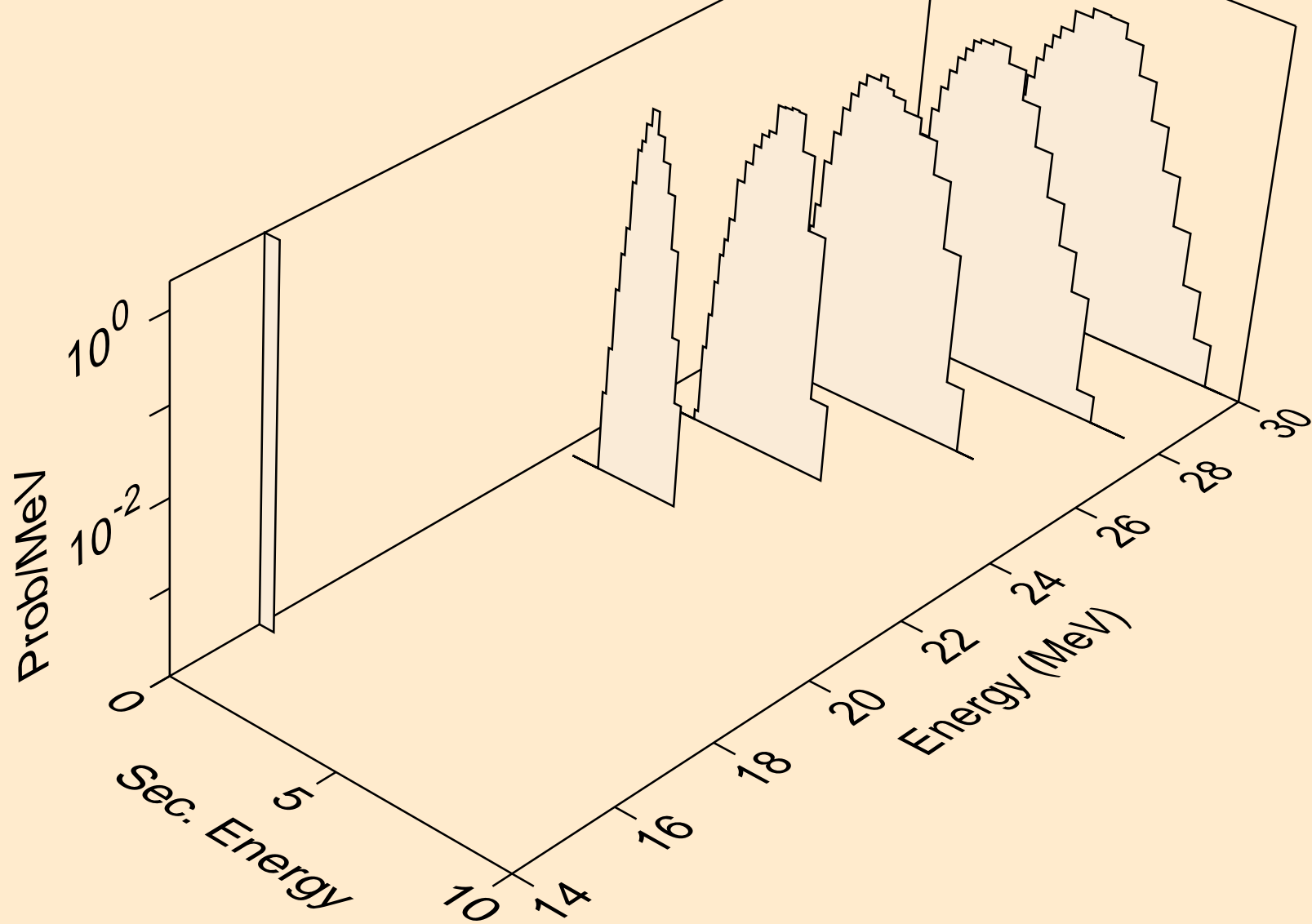
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deuterons from (a,d)



Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,pd)

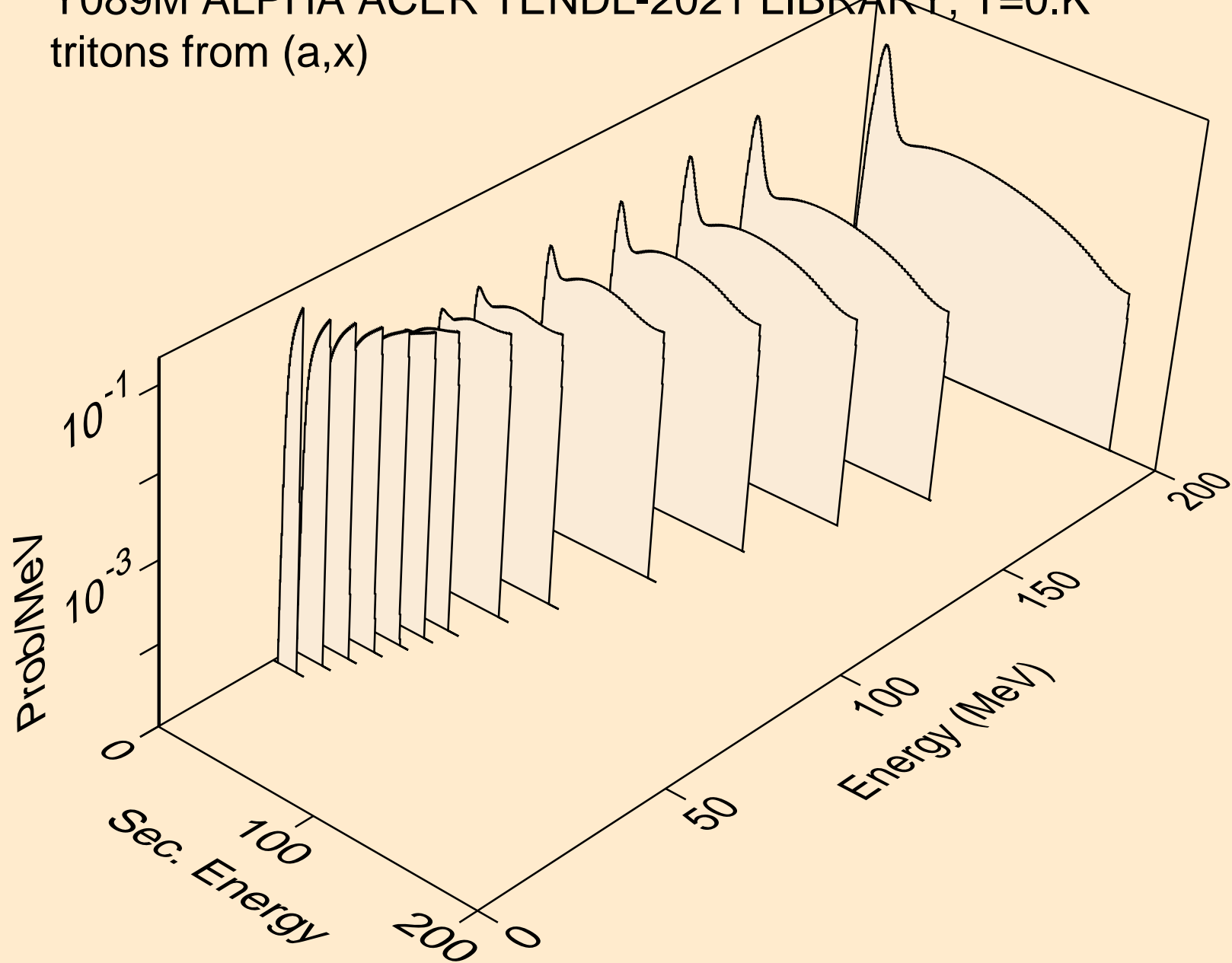


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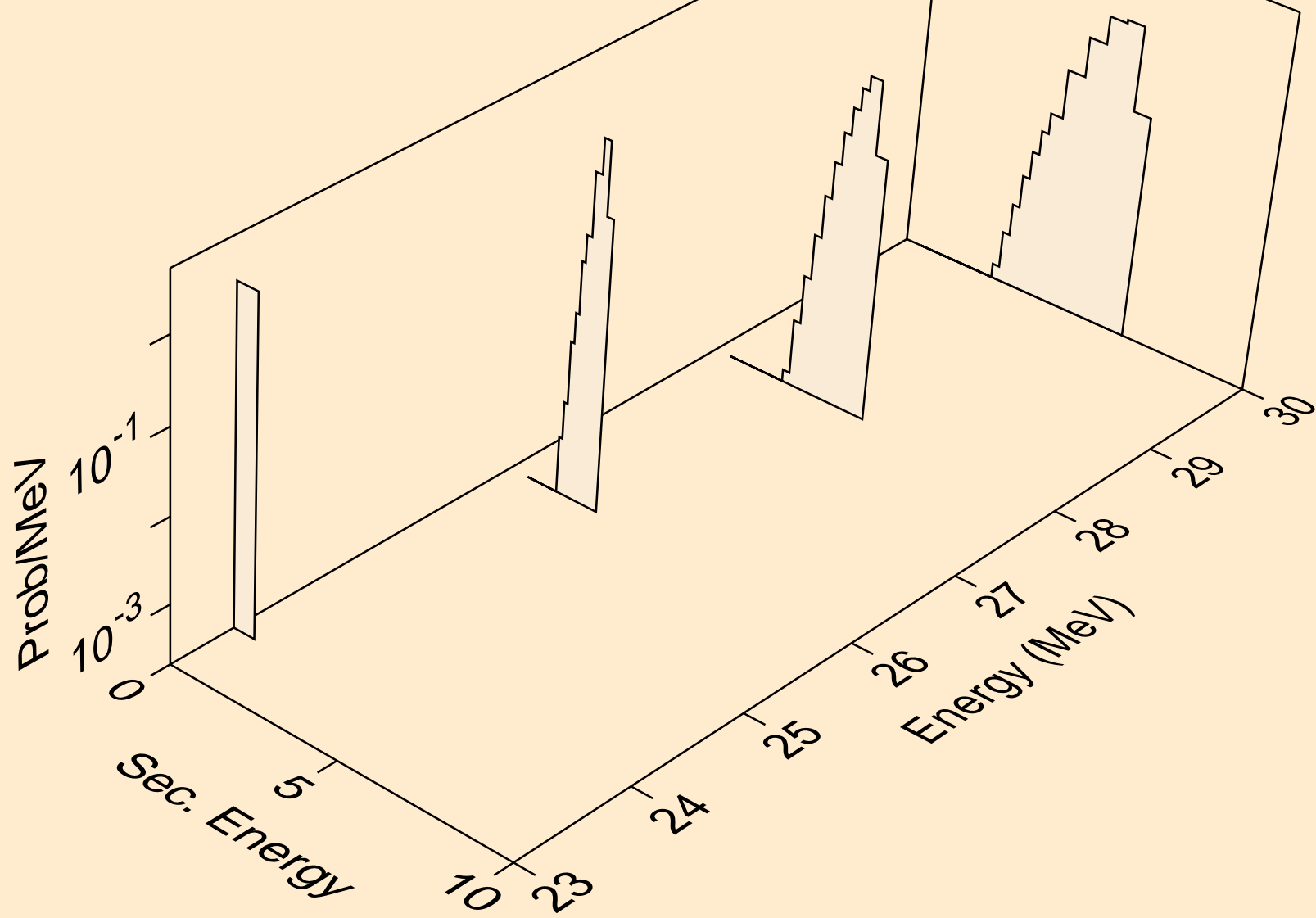




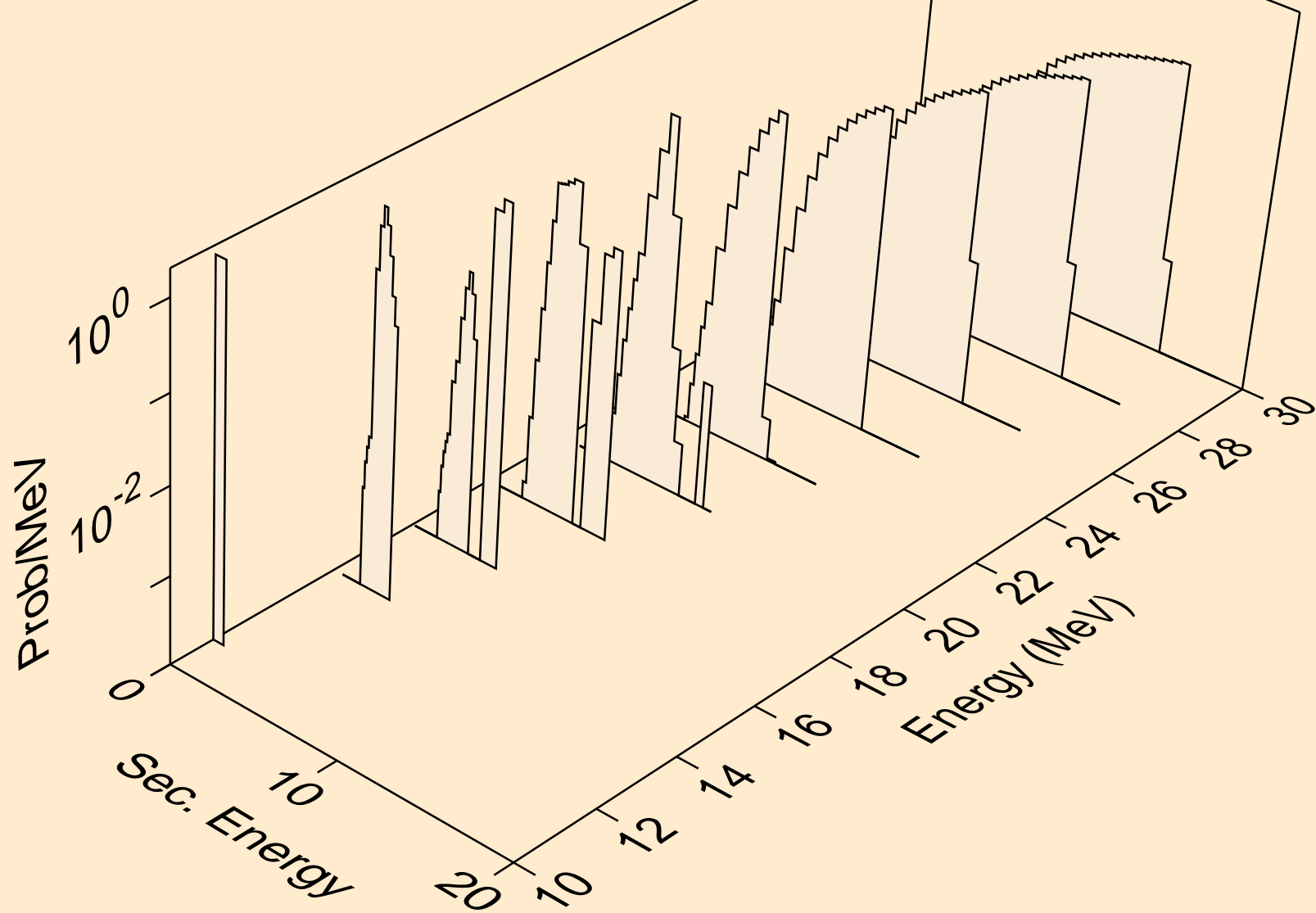
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tritons from (a,x)



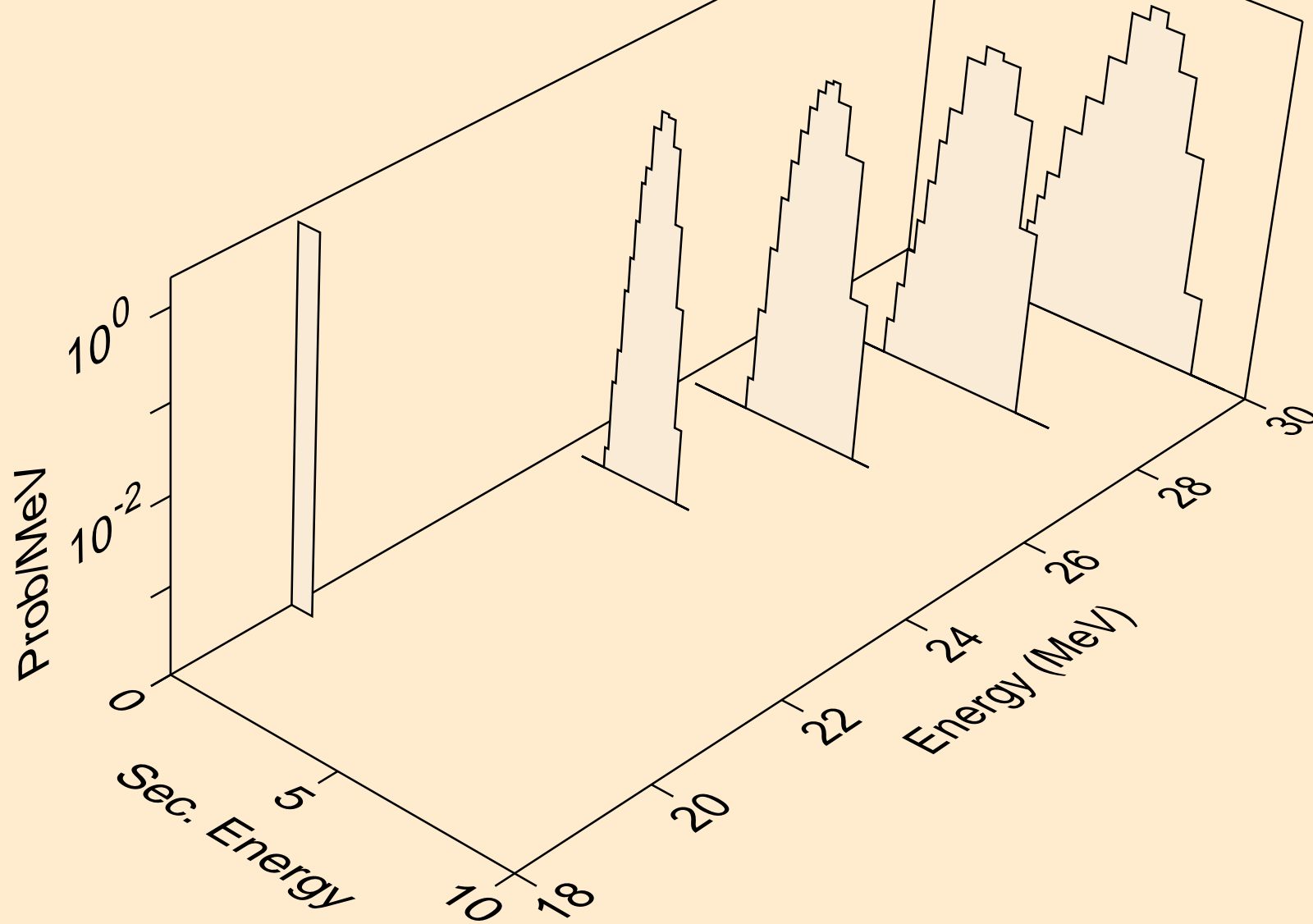
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tritons from (a,n\*)t



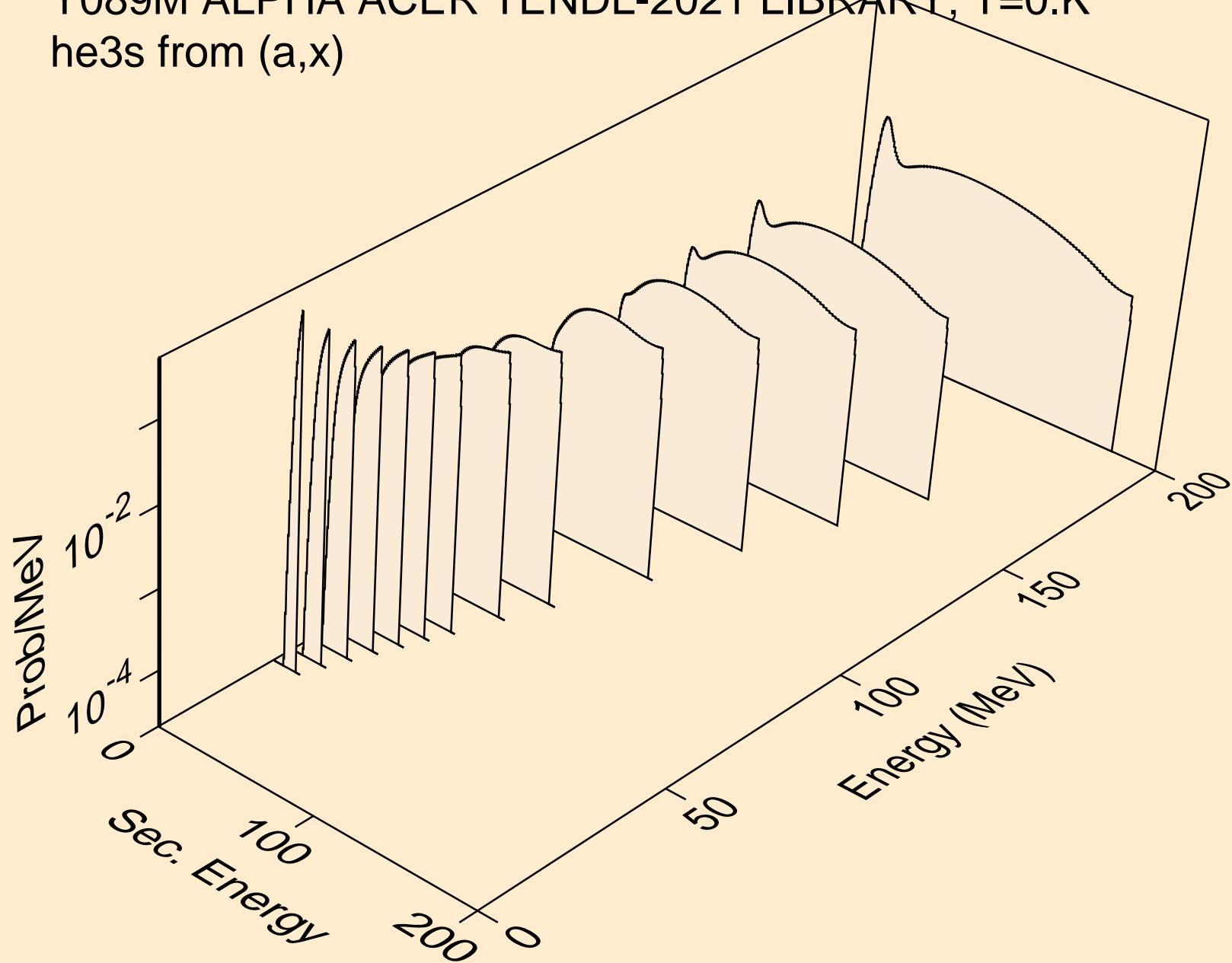
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tritons from (a,t)



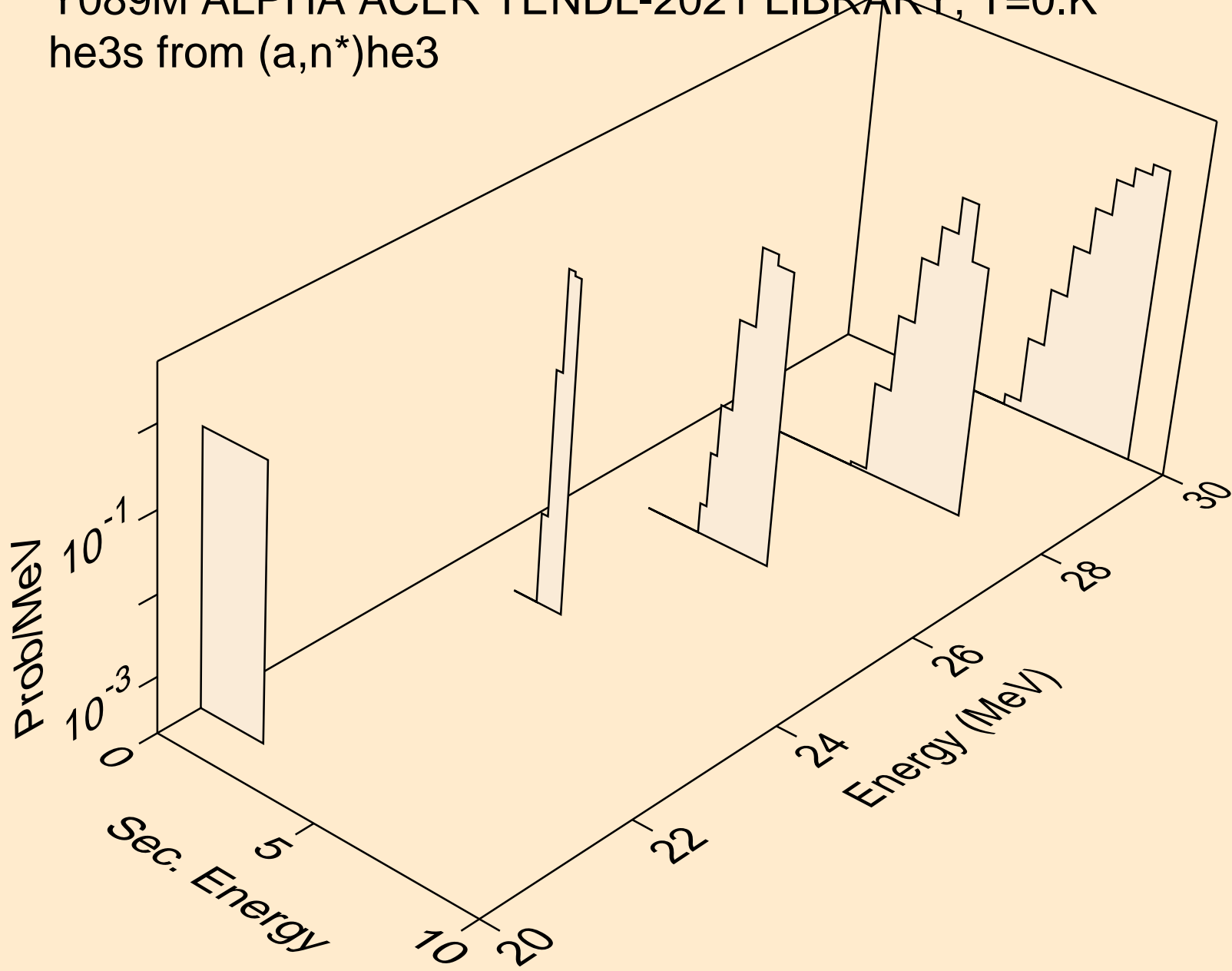
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tritons from (a,pt)



Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (a,x)



Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (a,n\*)he3



Y089M ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (a,he3)

