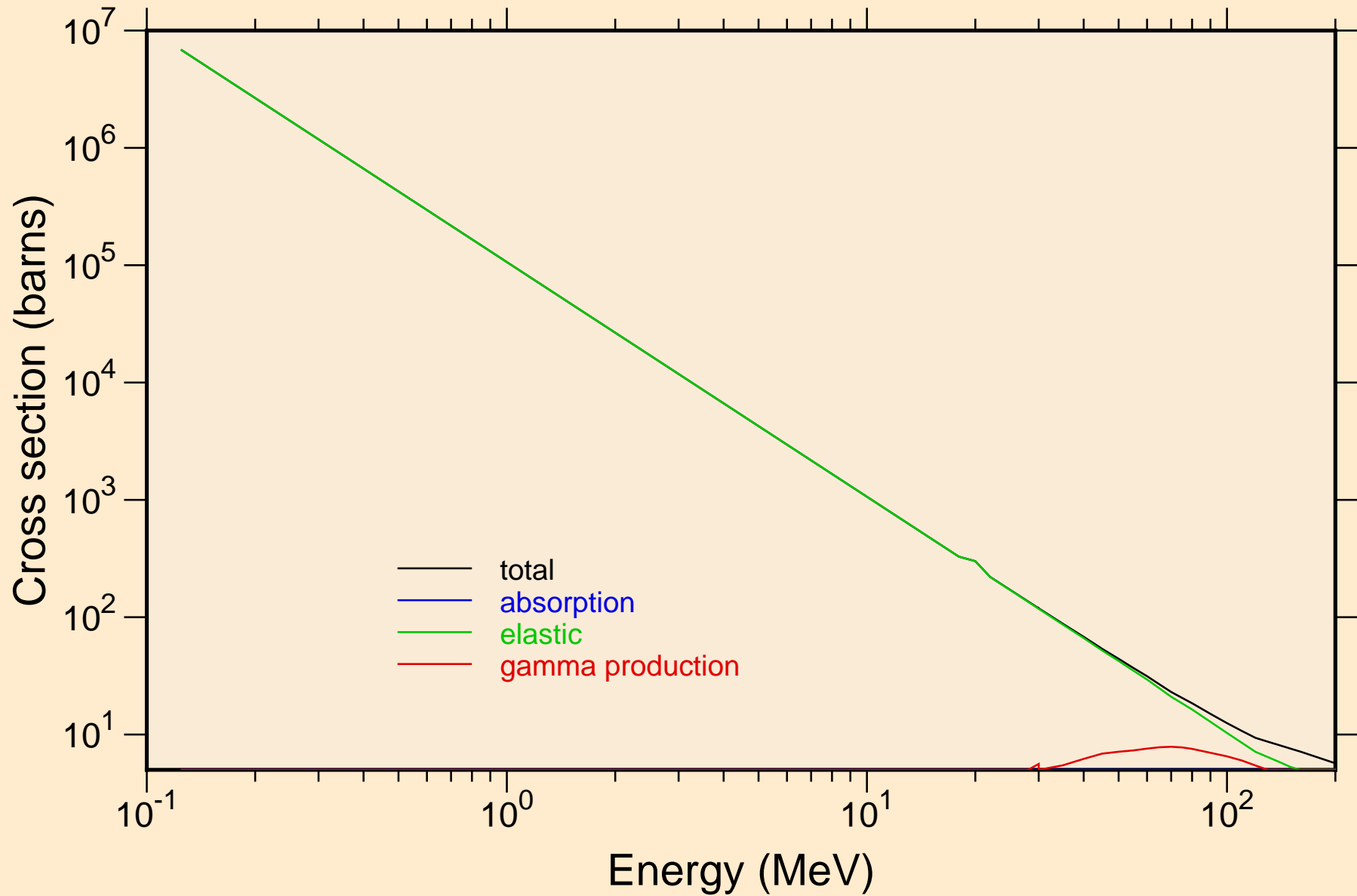


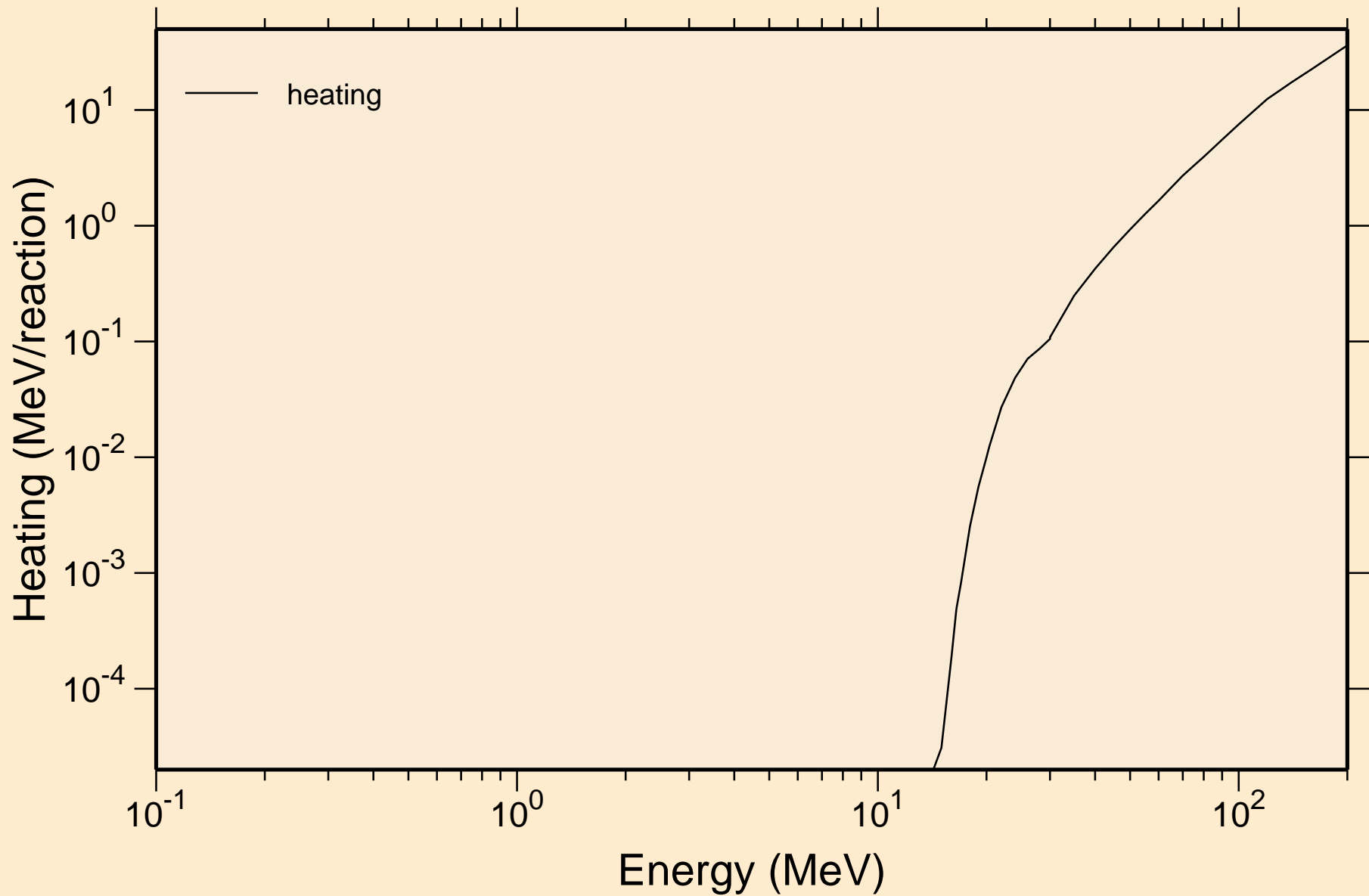
# GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



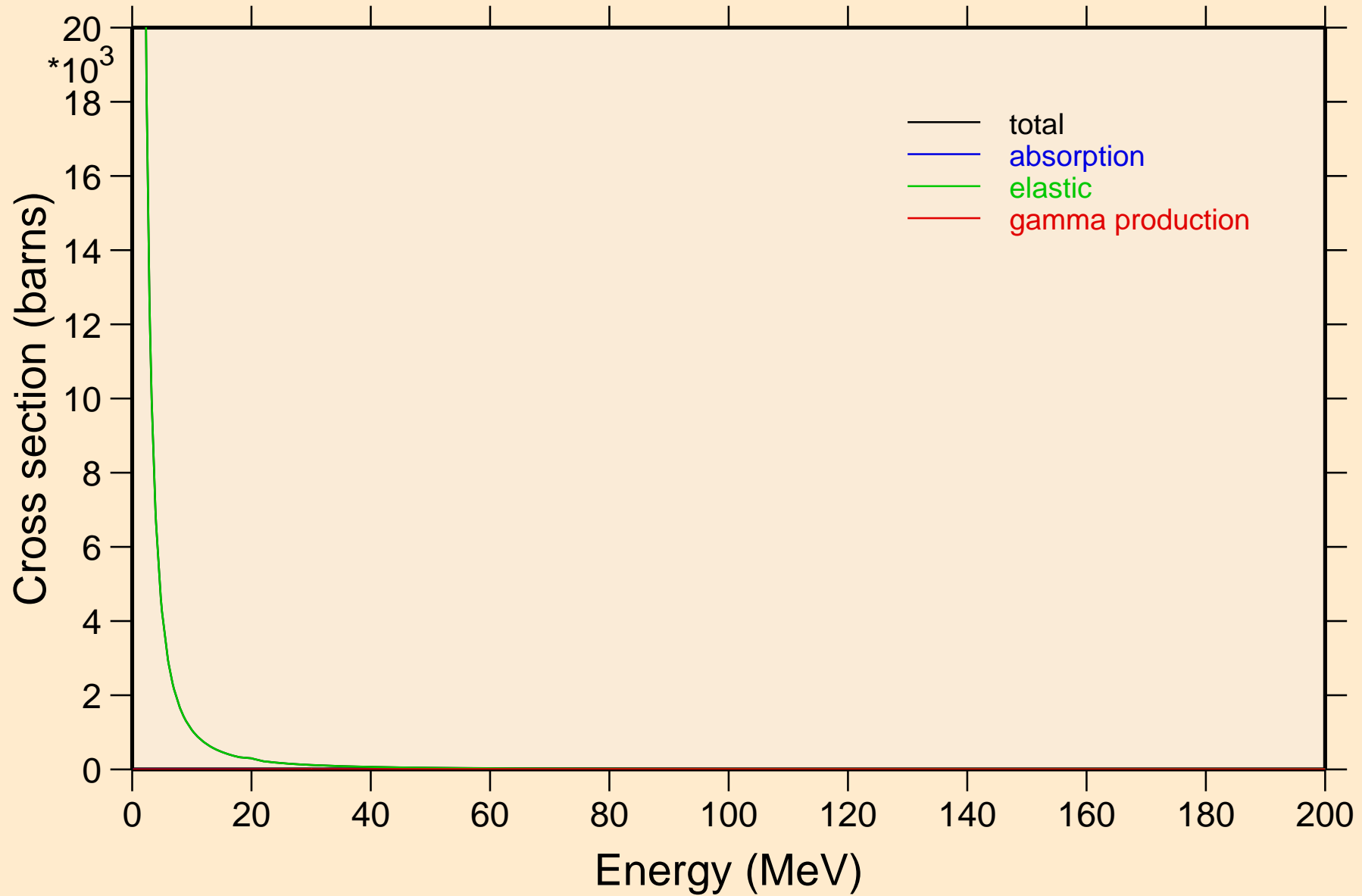
# GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Heating



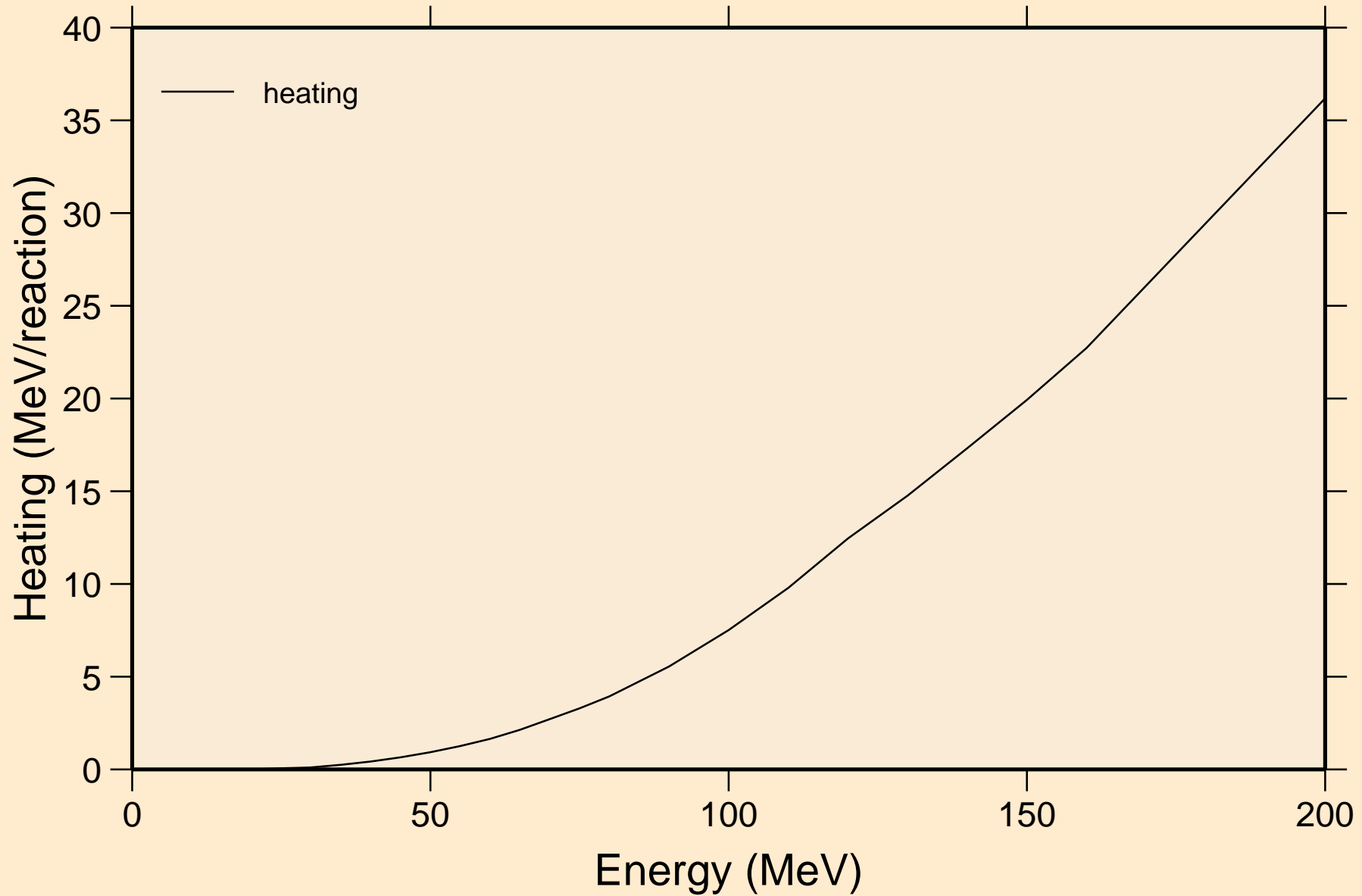
# GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

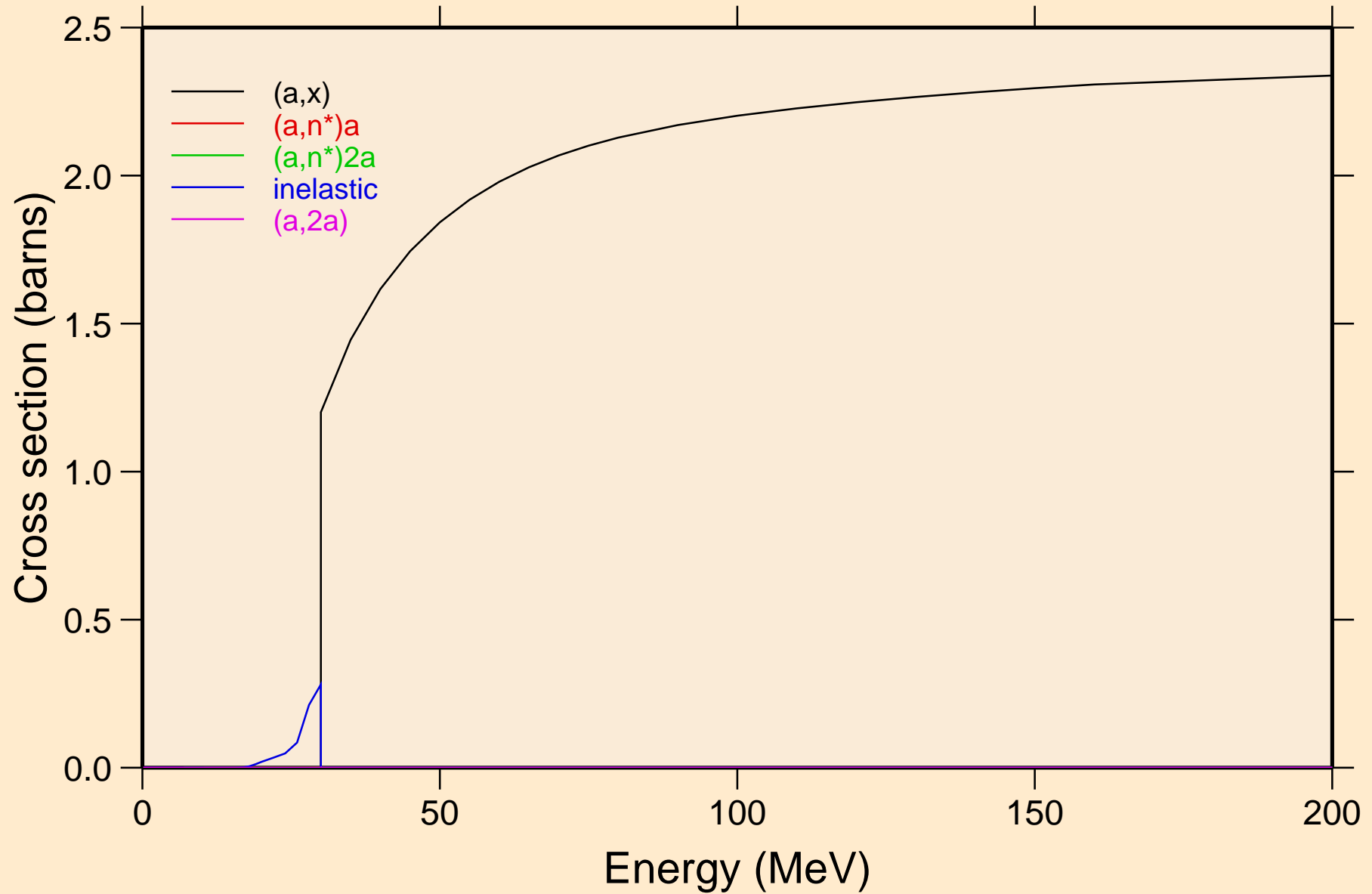


# GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

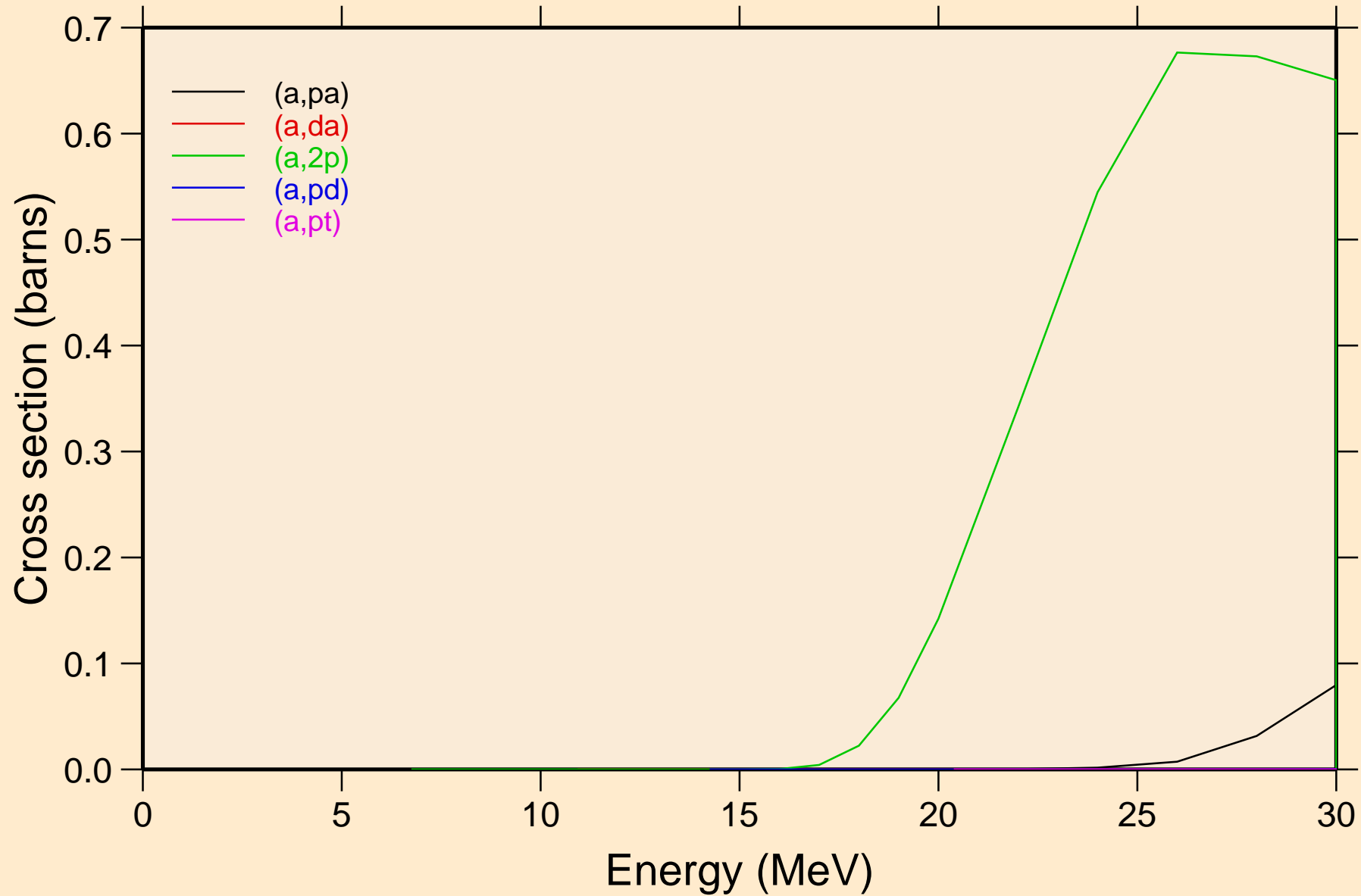
## Heating



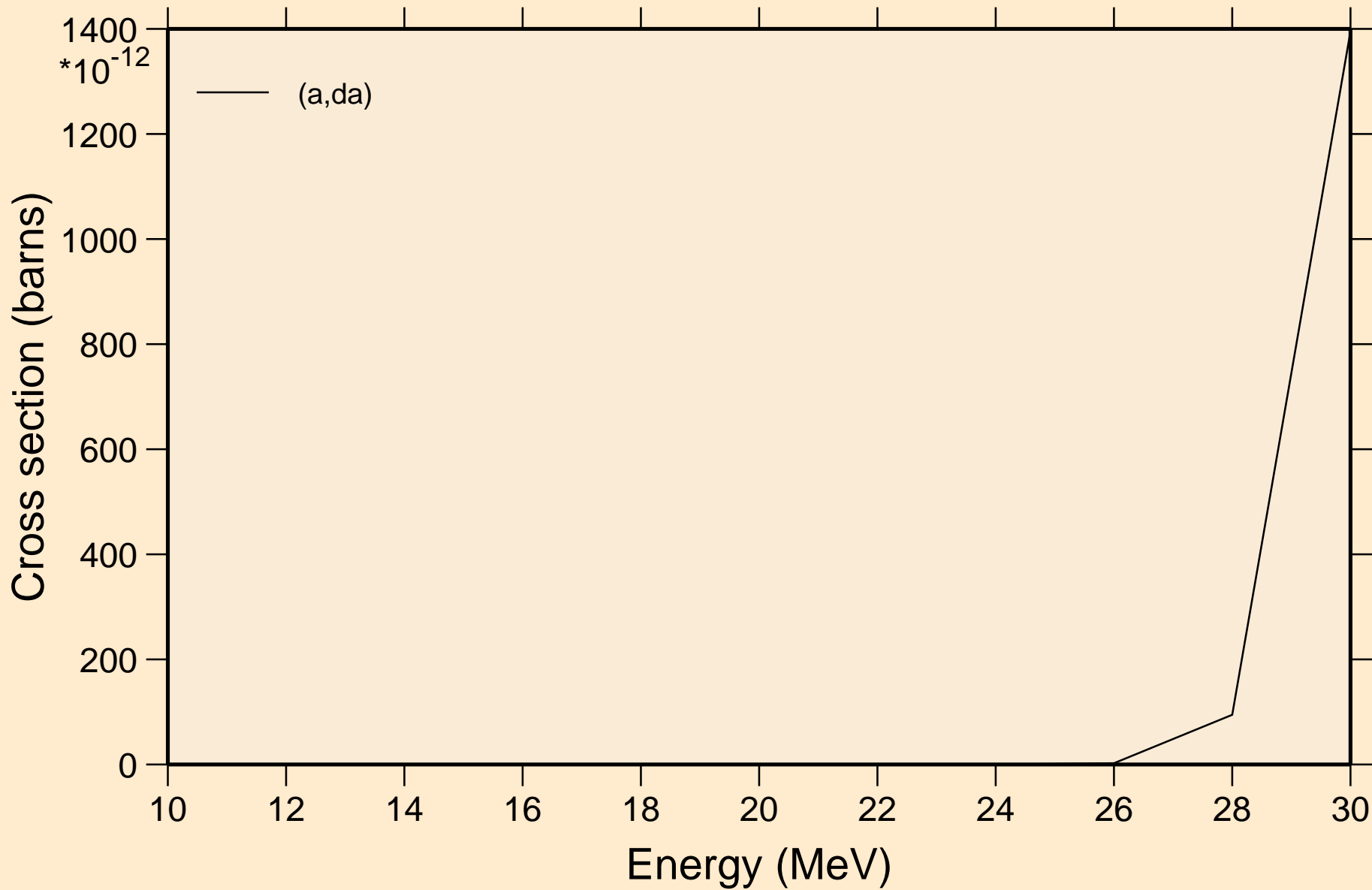
GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



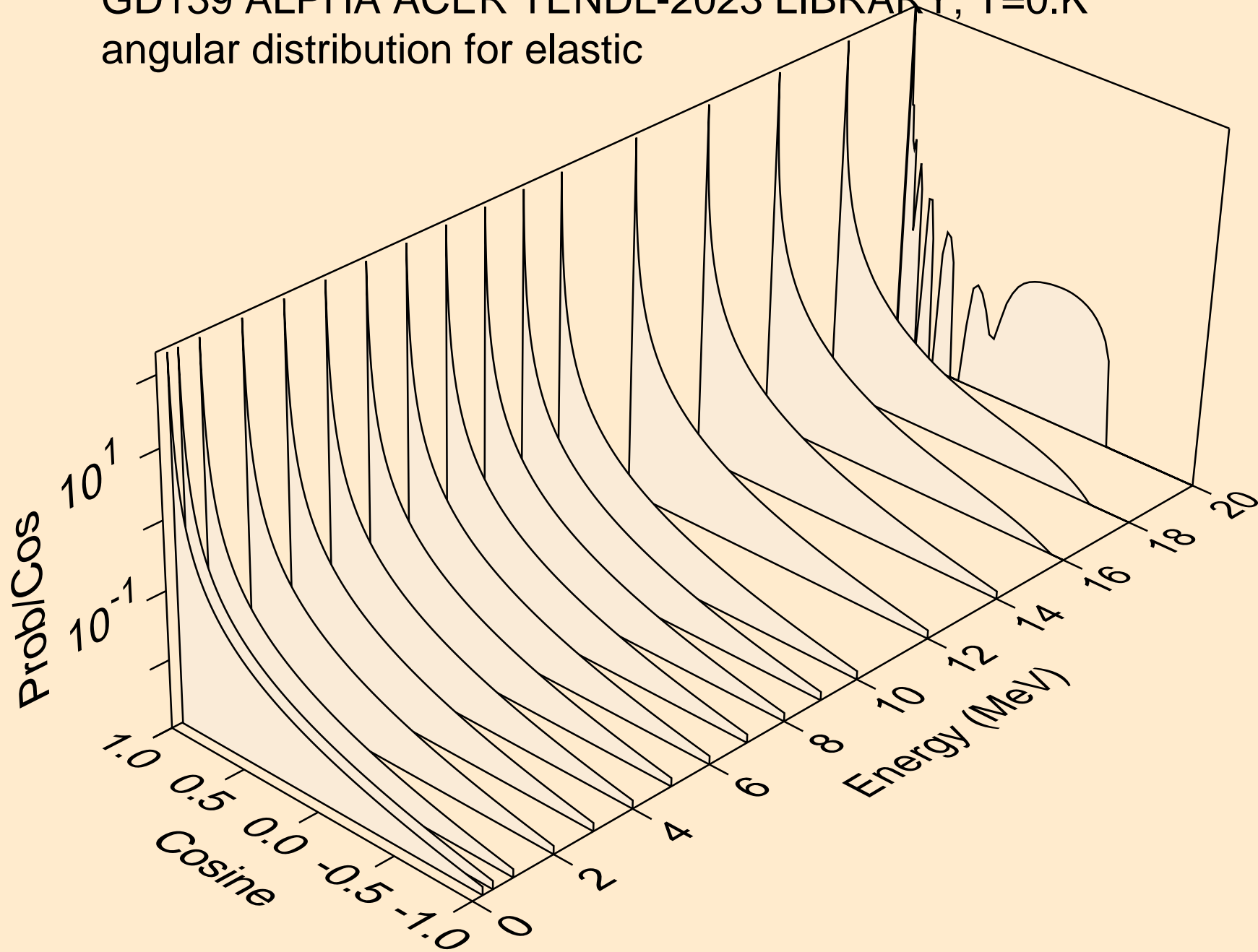
GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

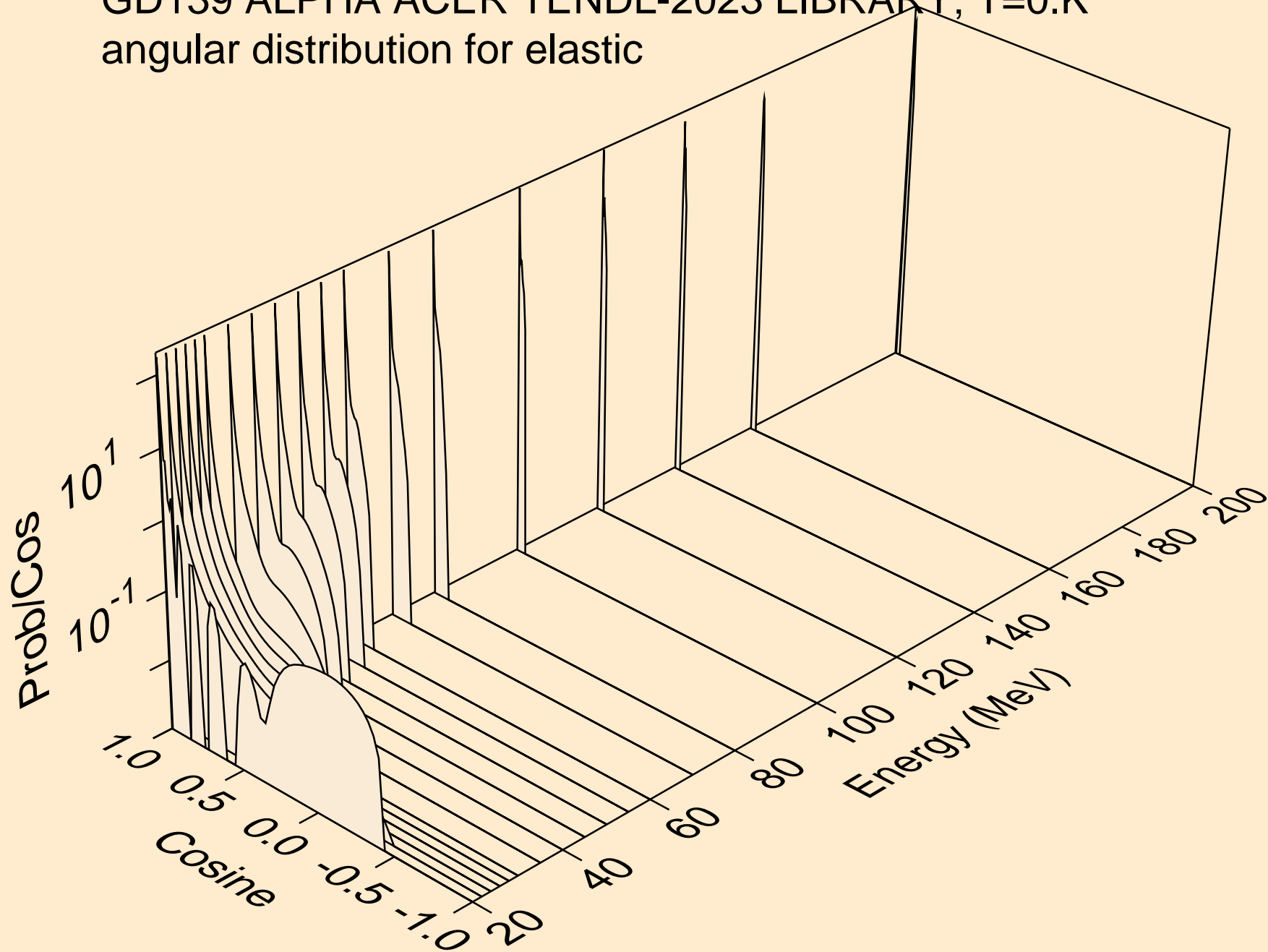


GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

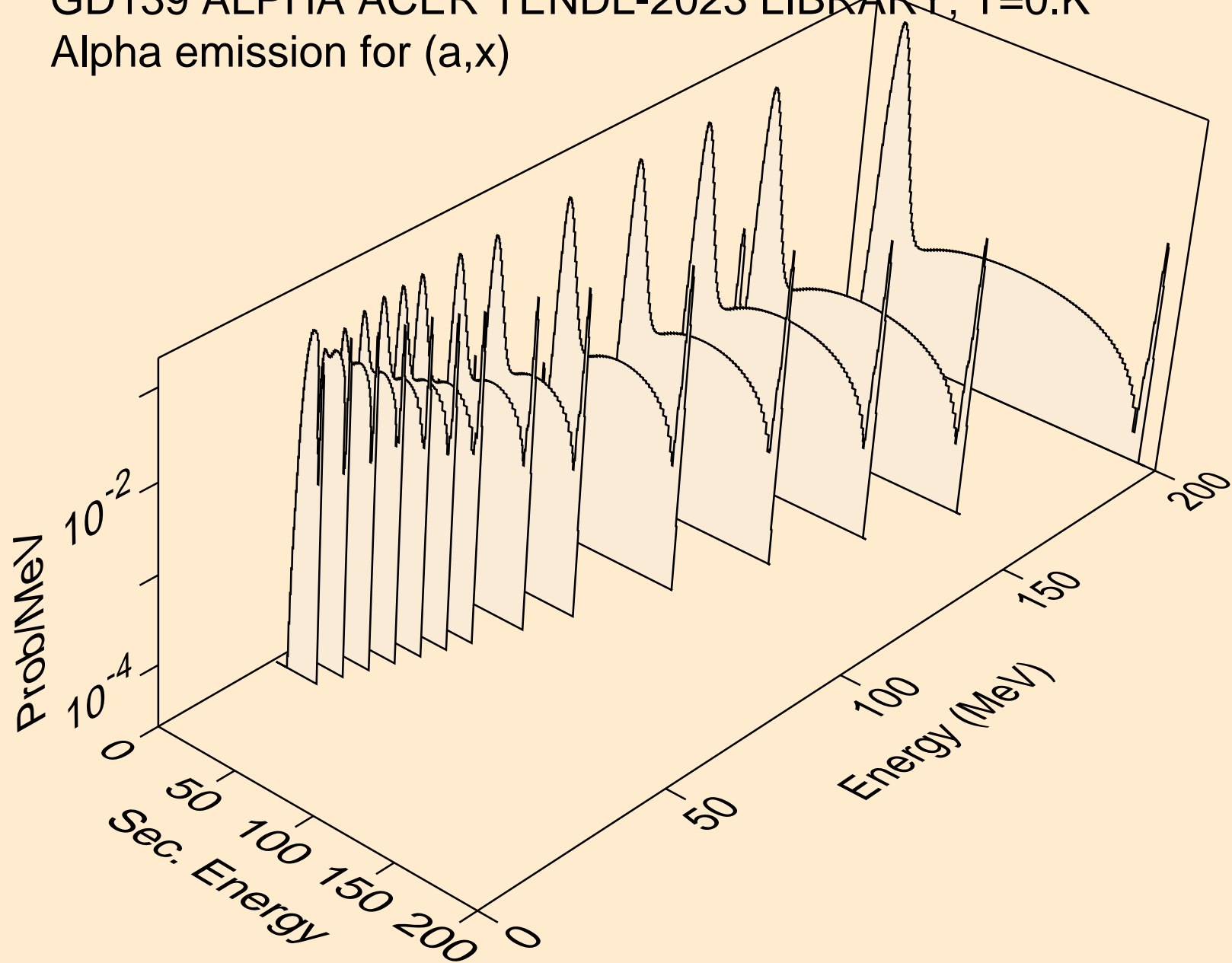




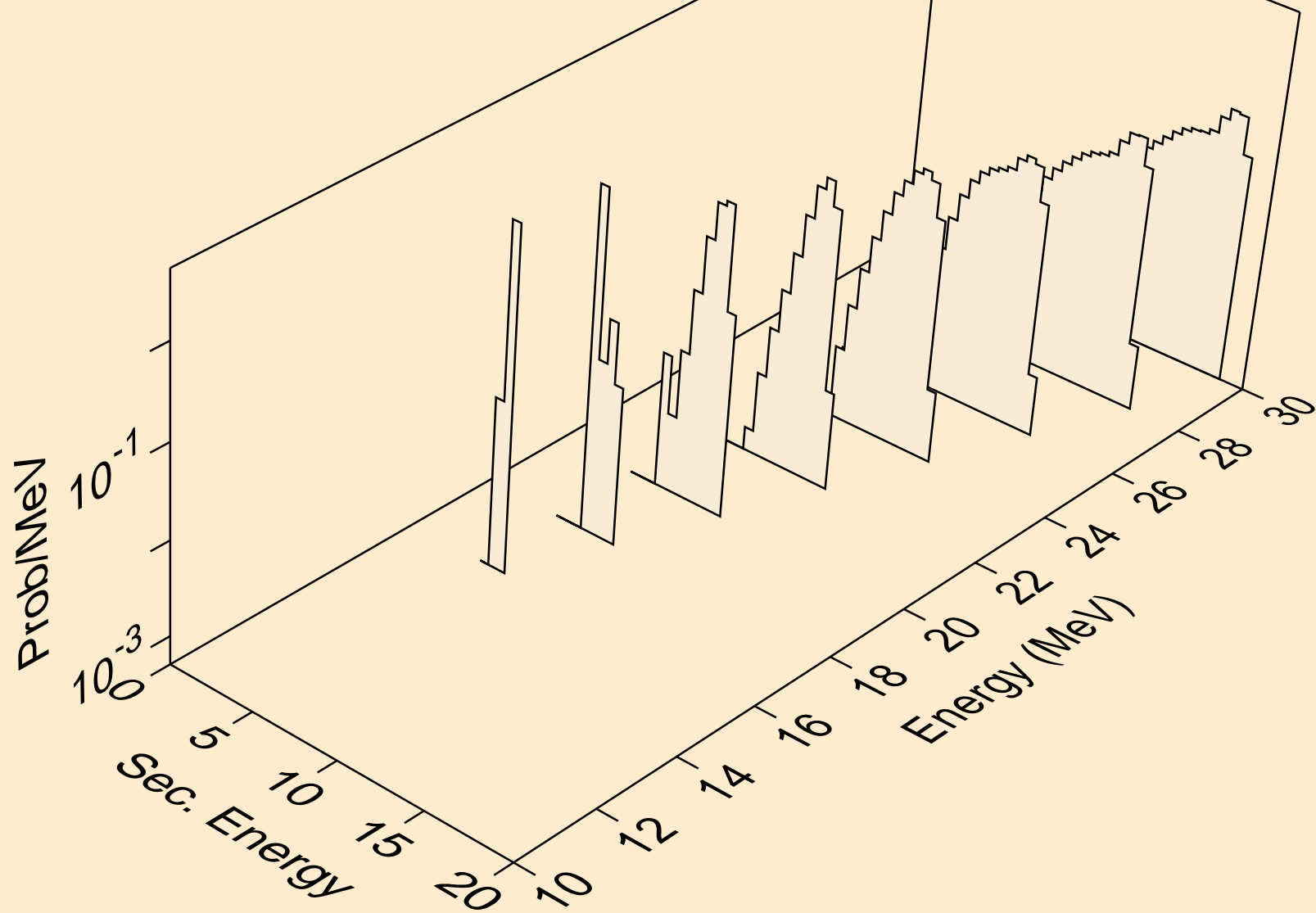
GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



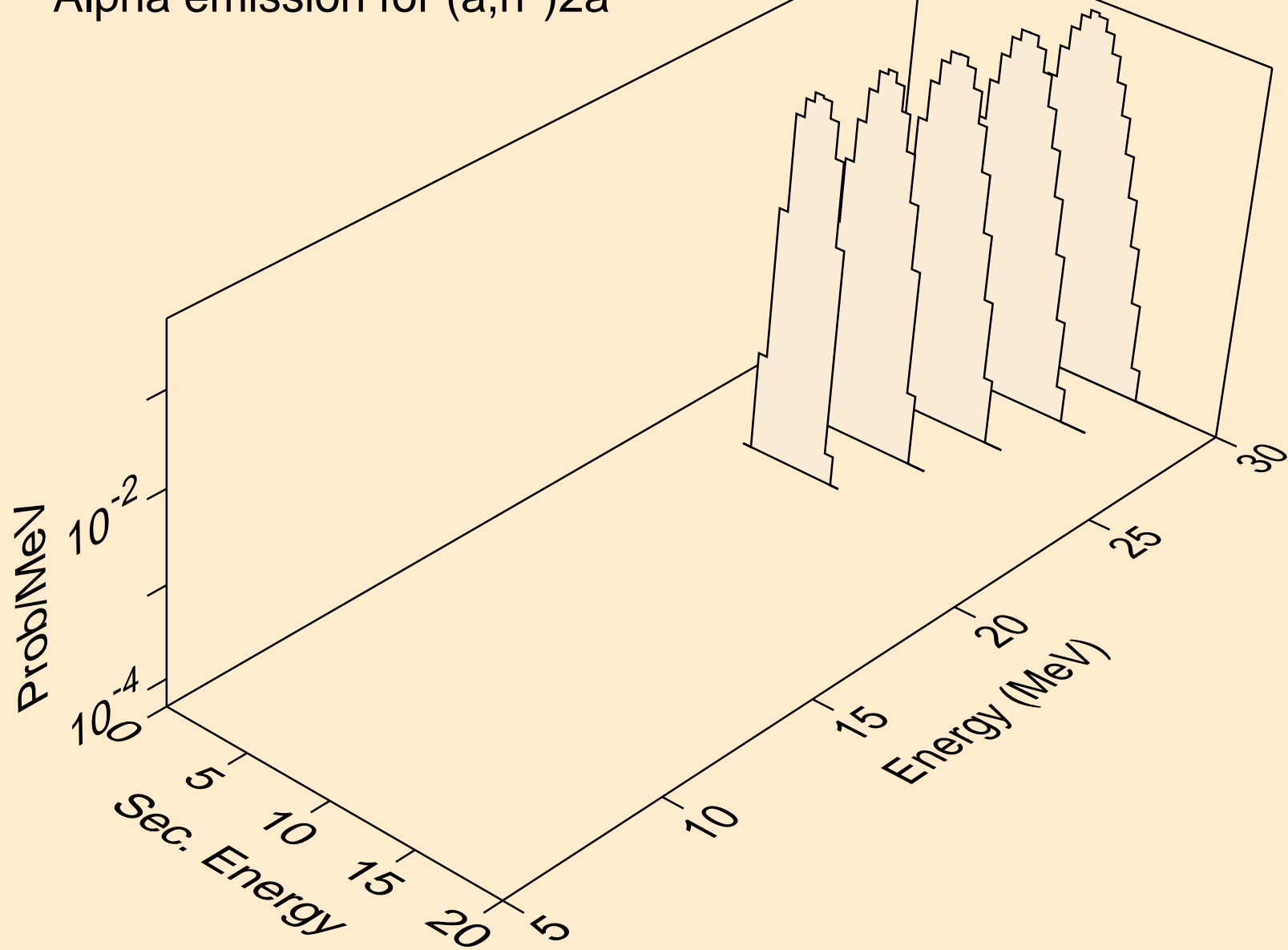
GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,x)



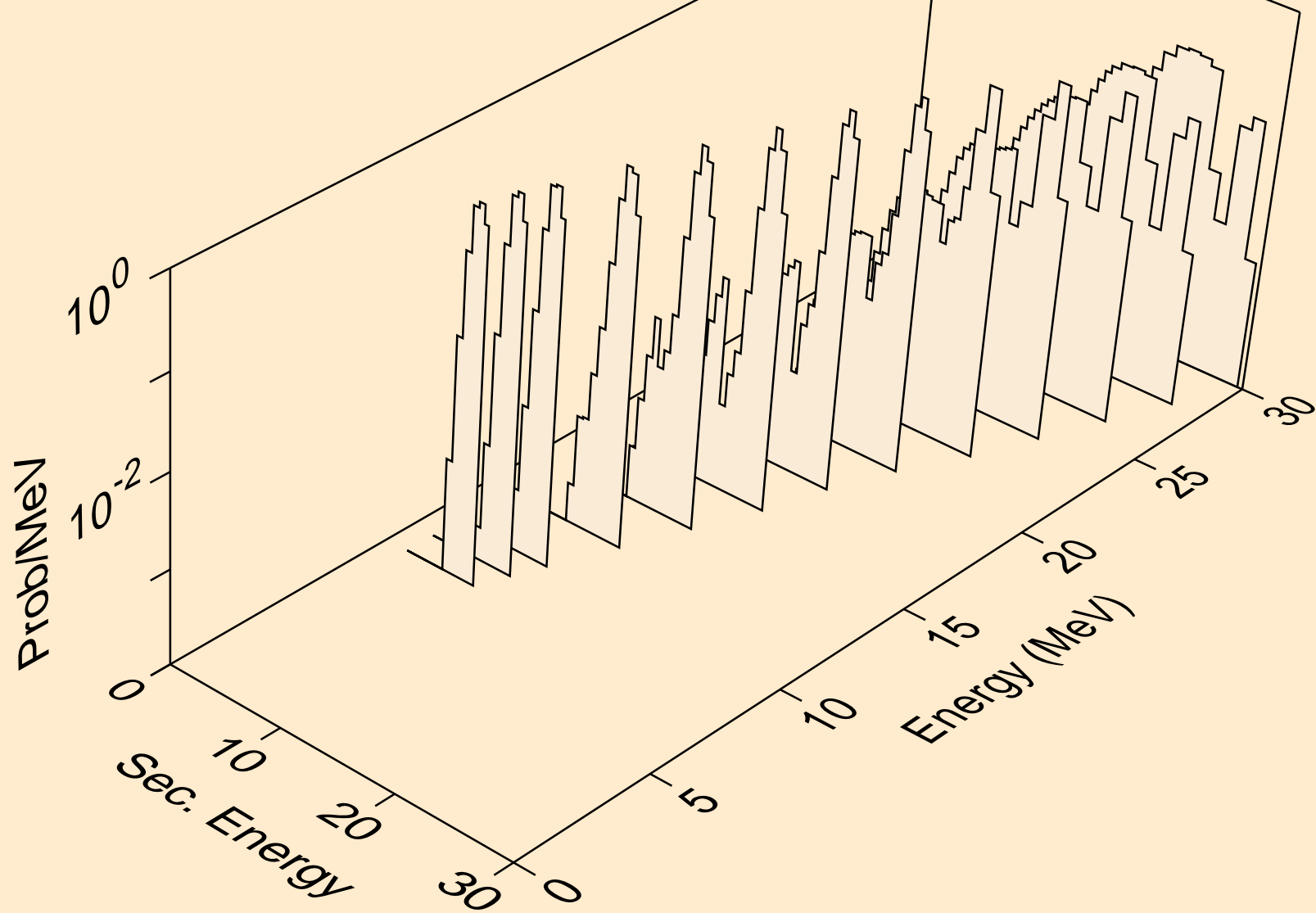
GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a



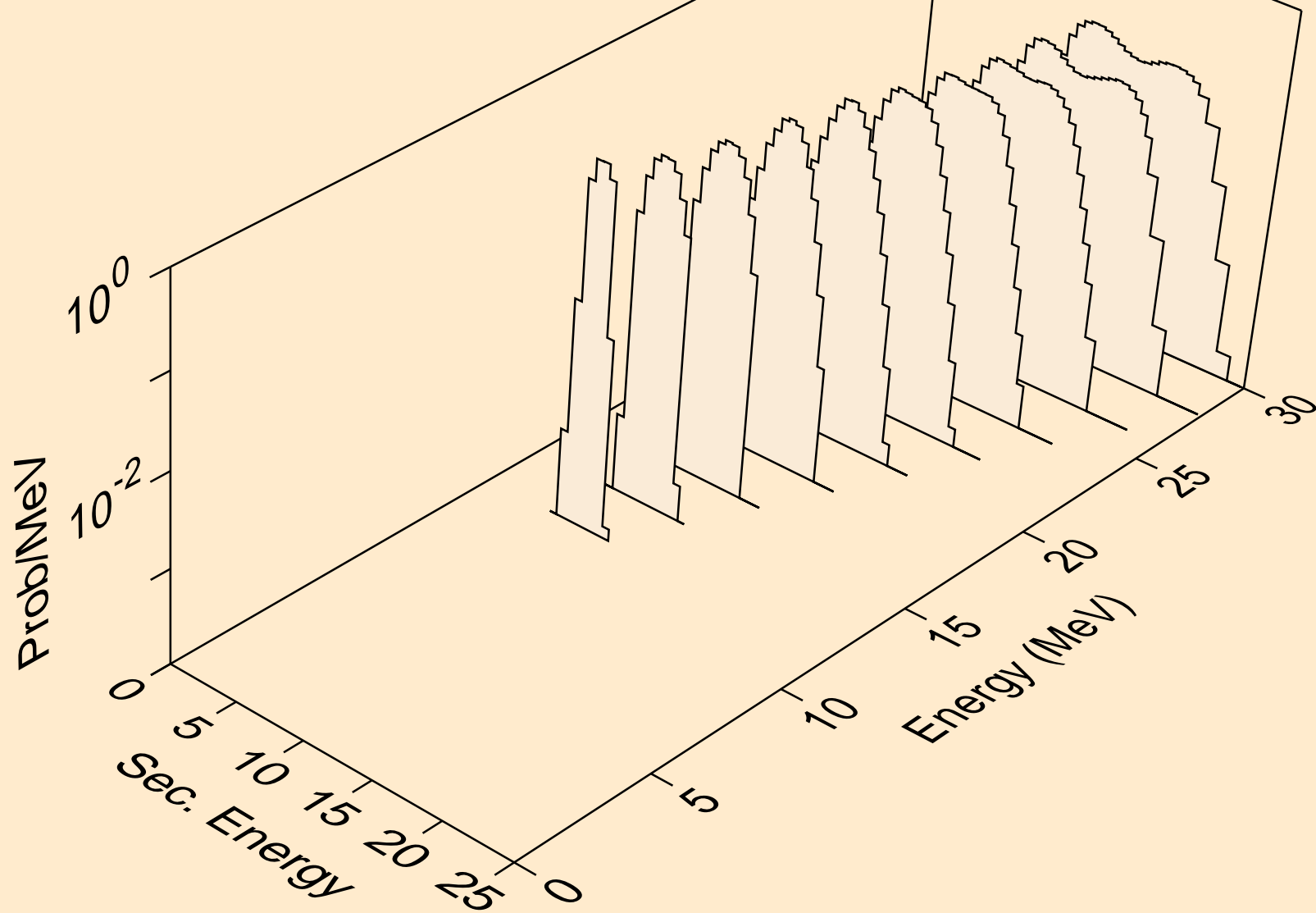
GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,n\*)2a



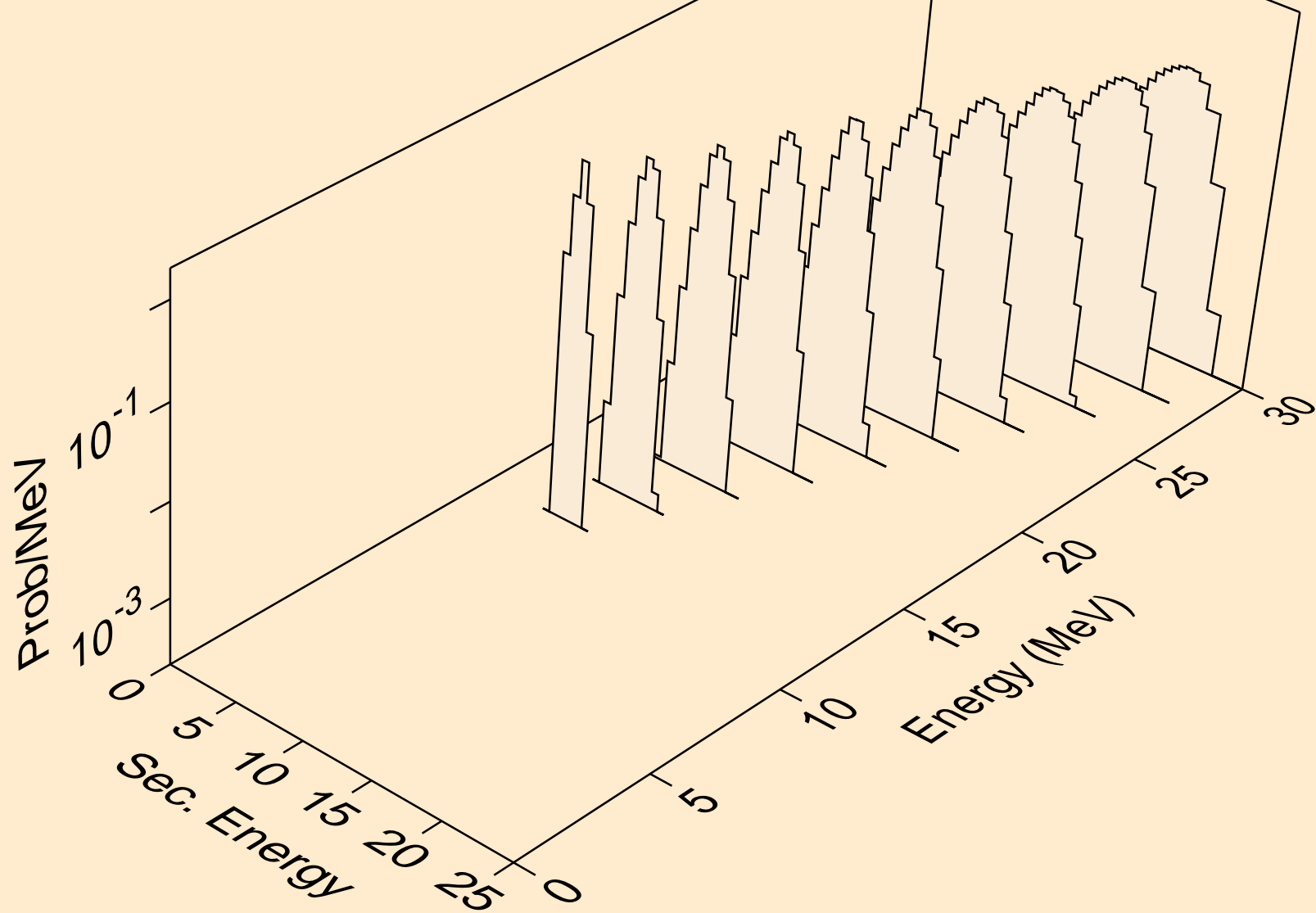
GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for inelastic



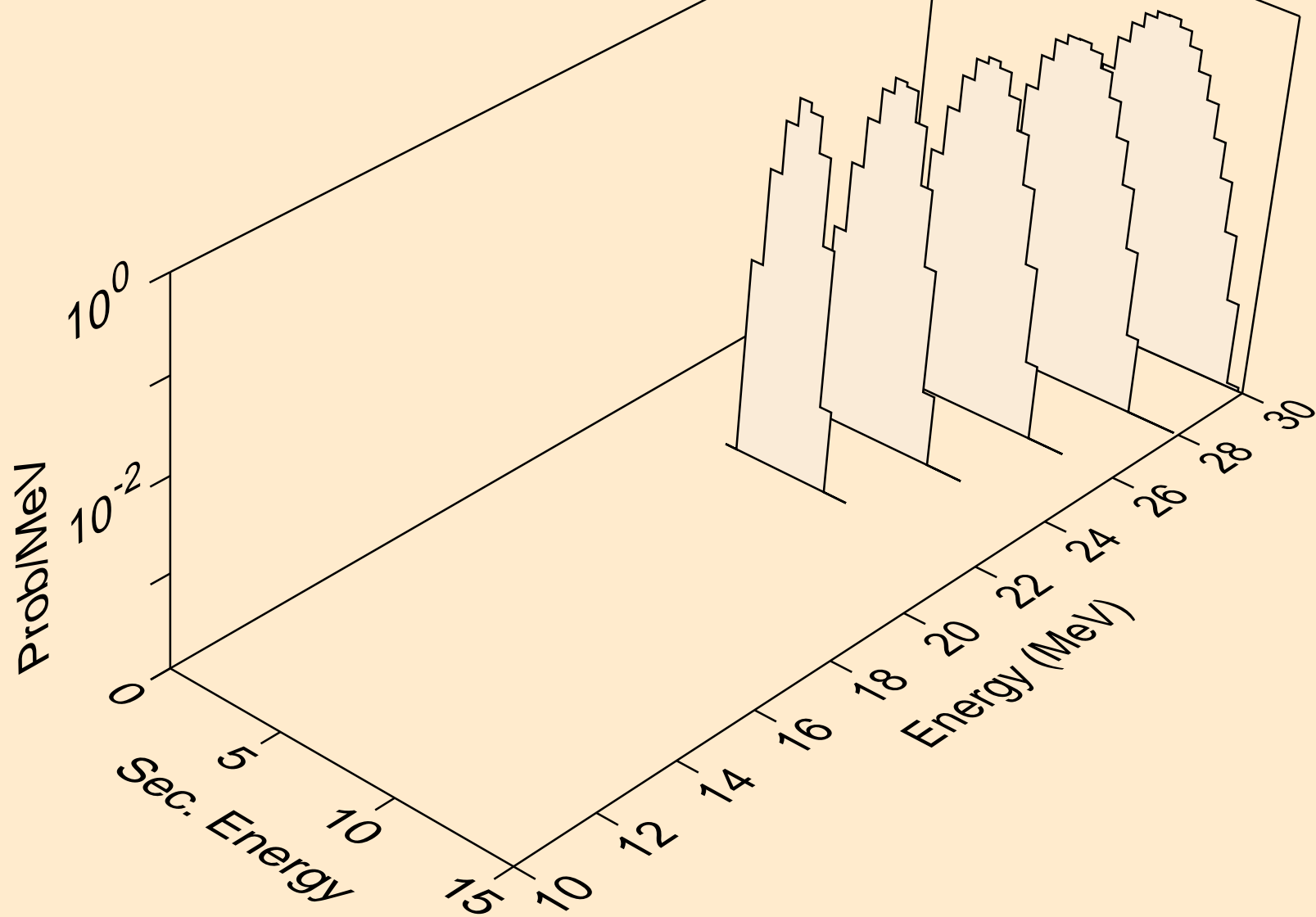
GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2a)



GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,pa)

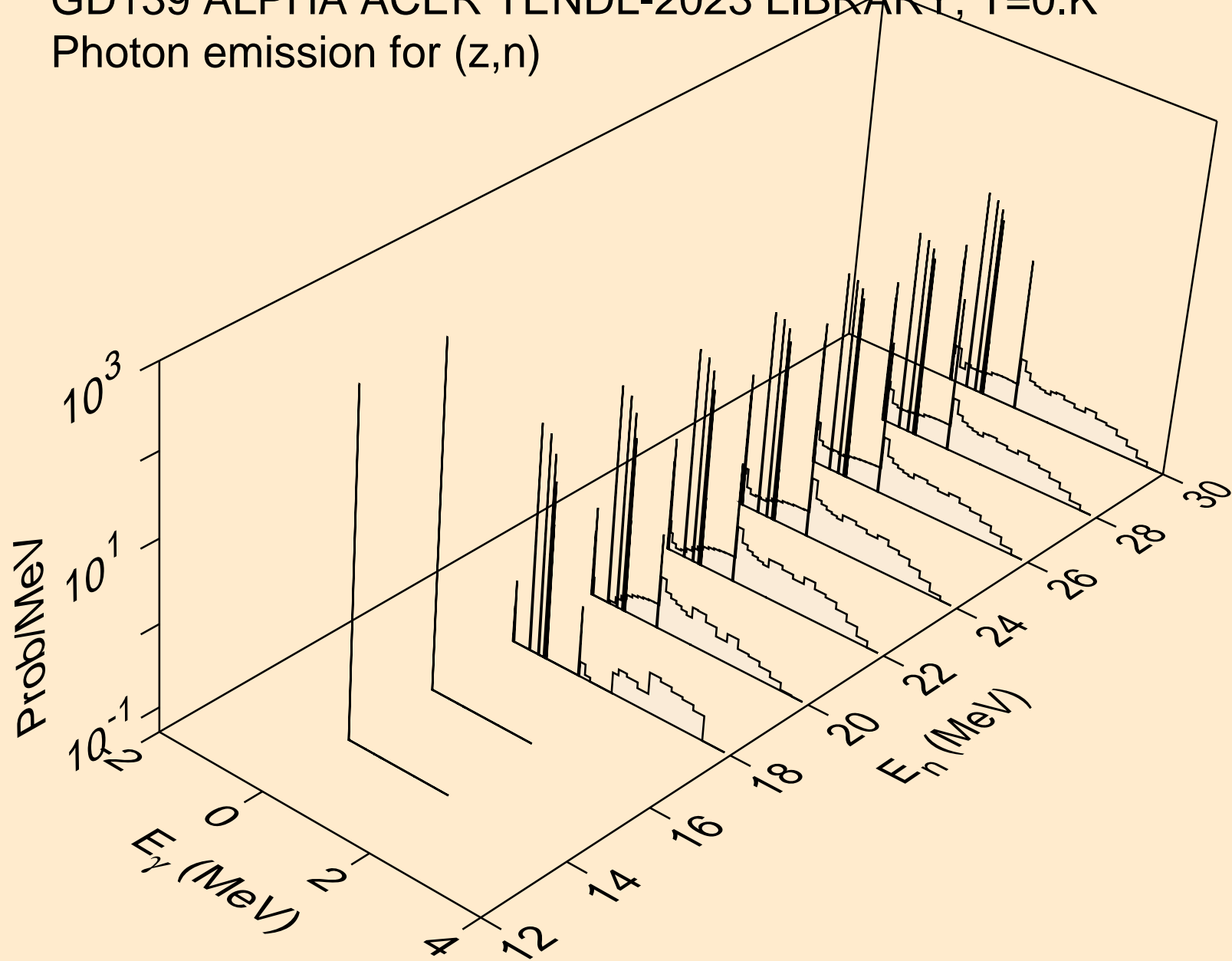


GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,da)

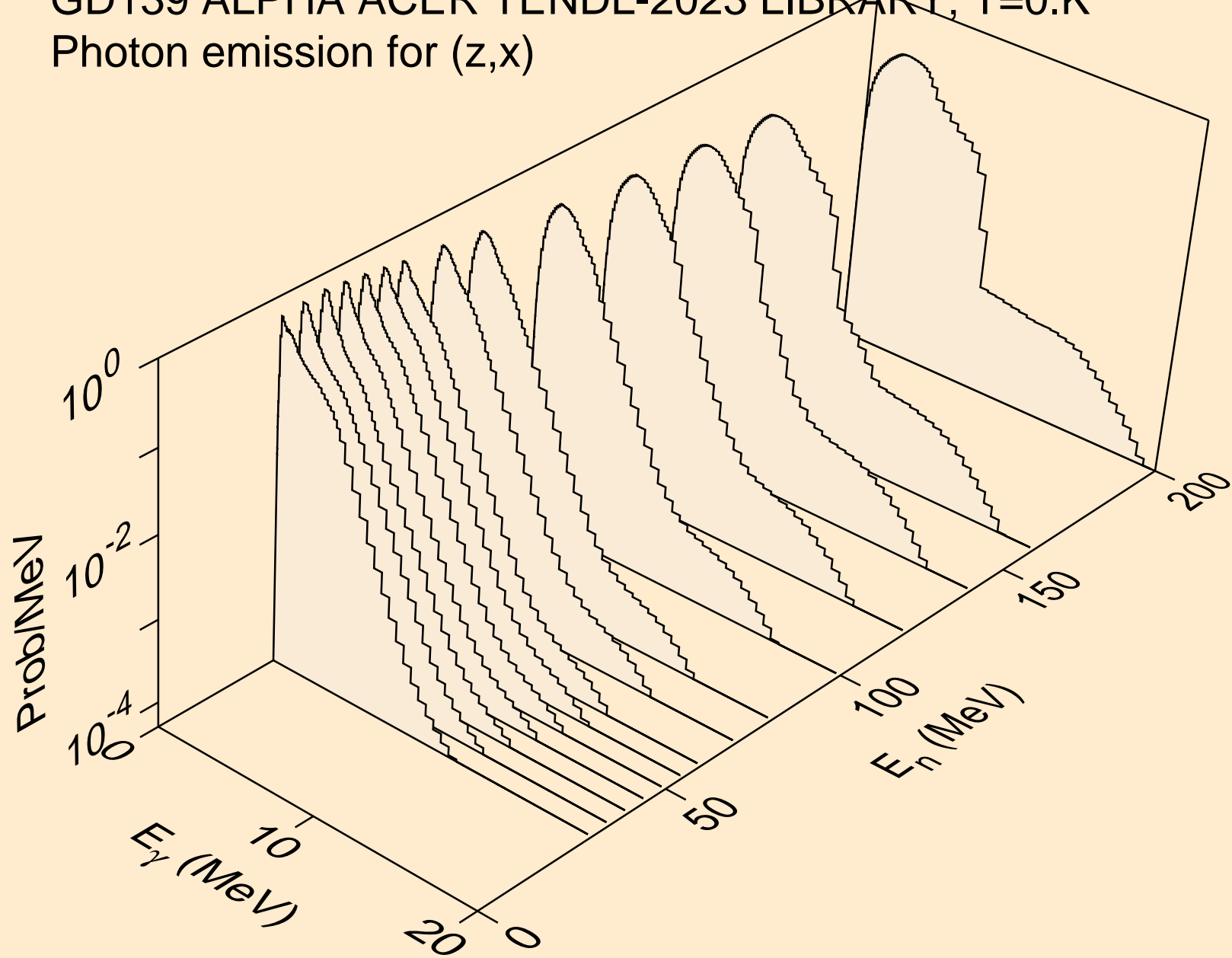




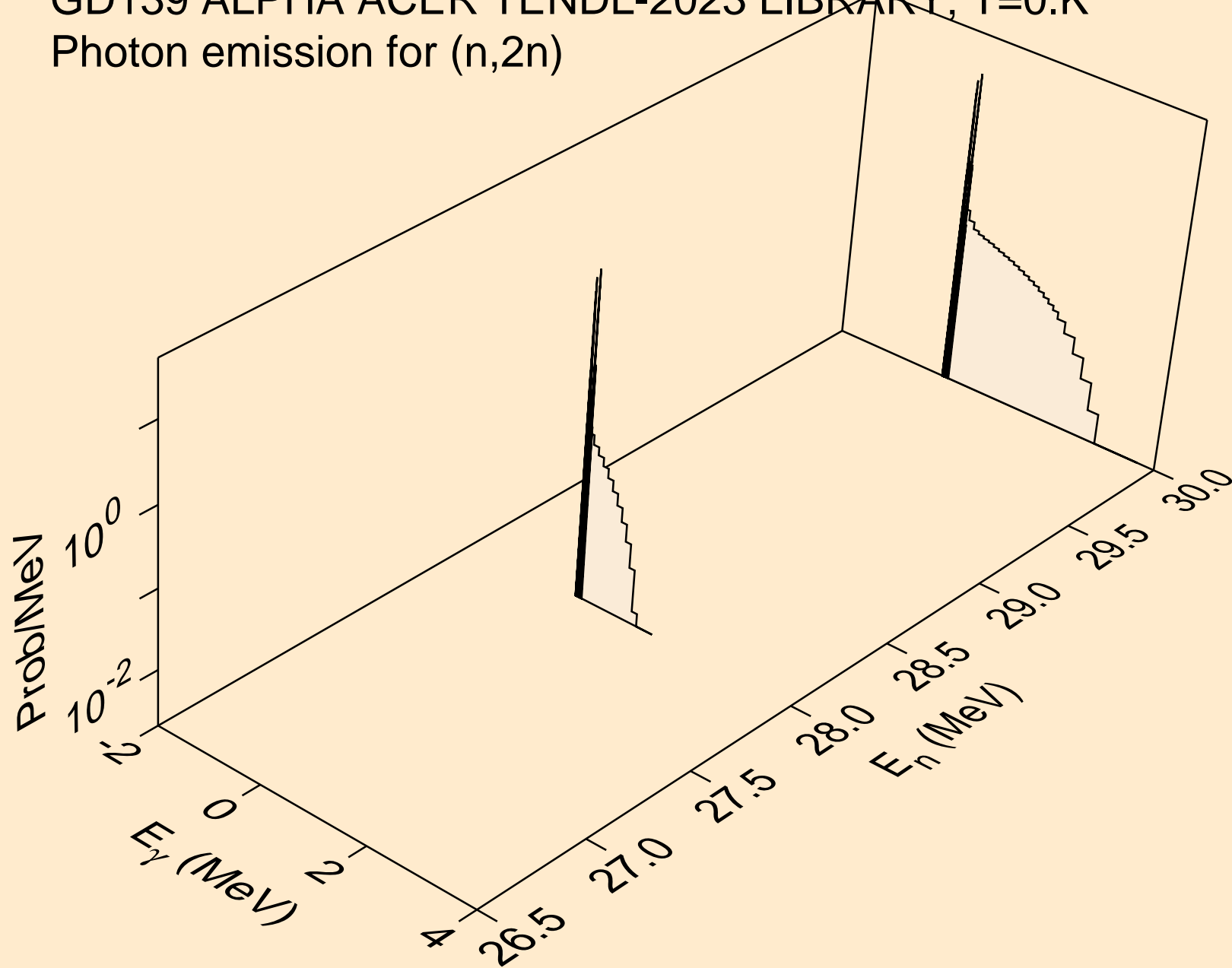
GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



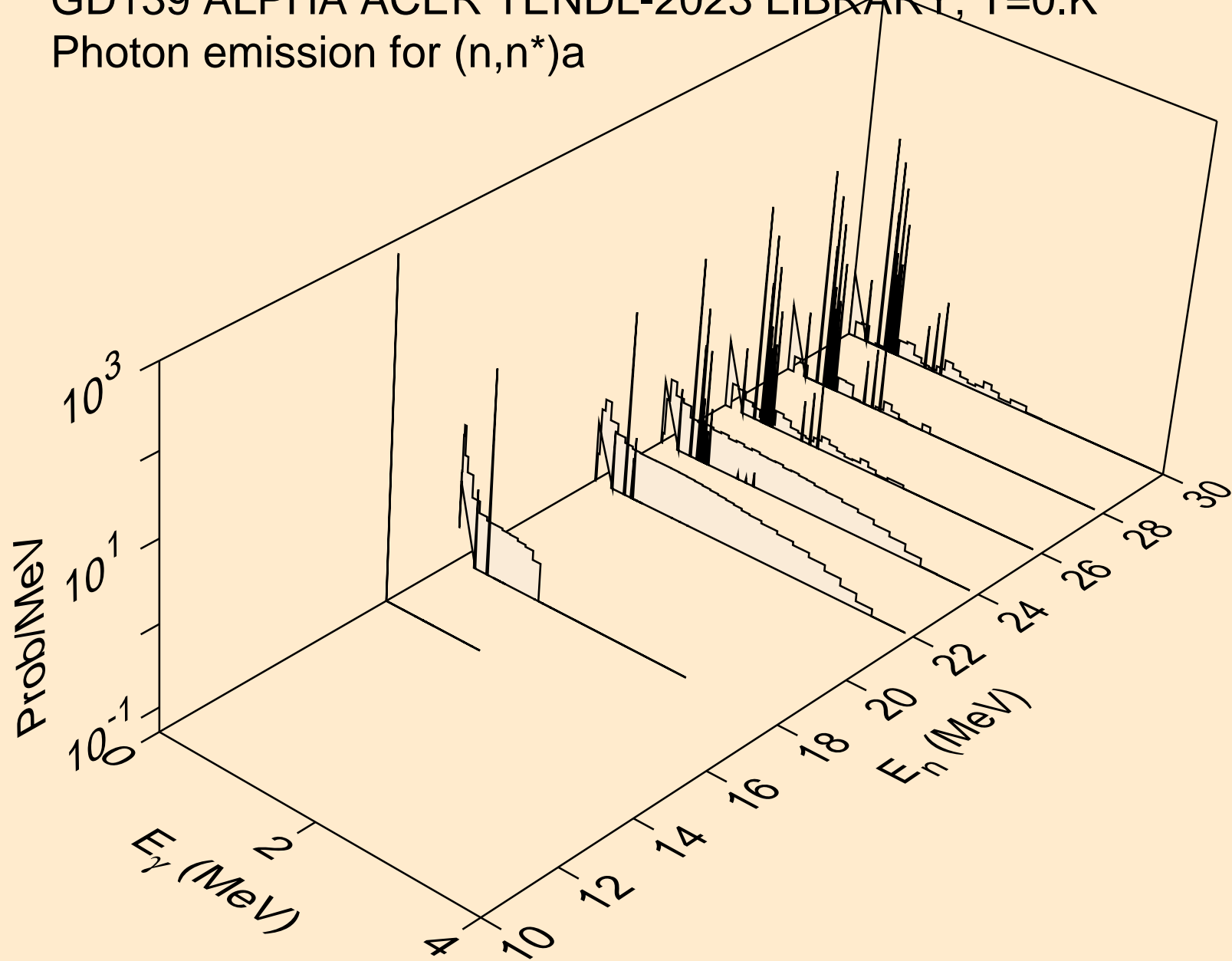
GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



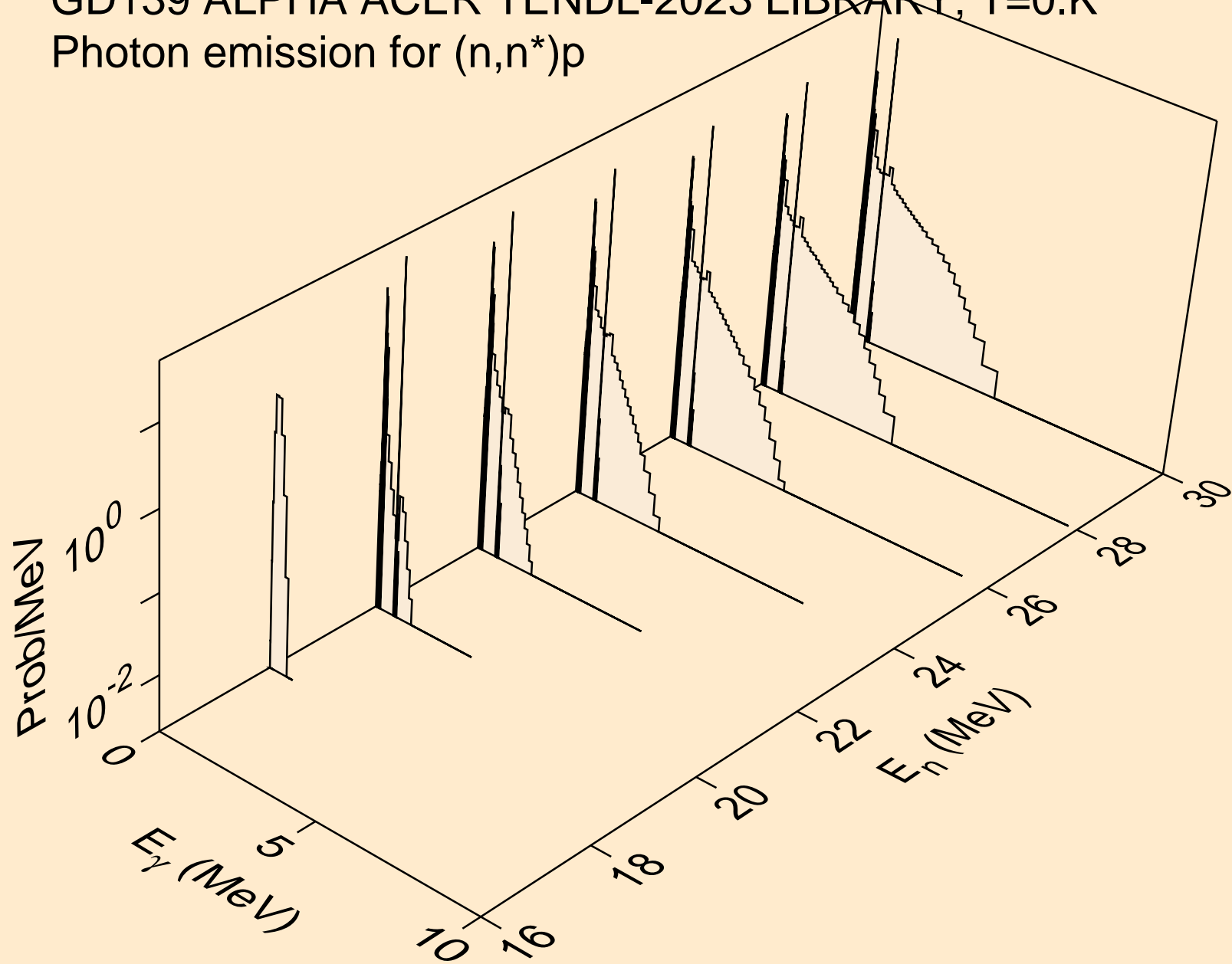
GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



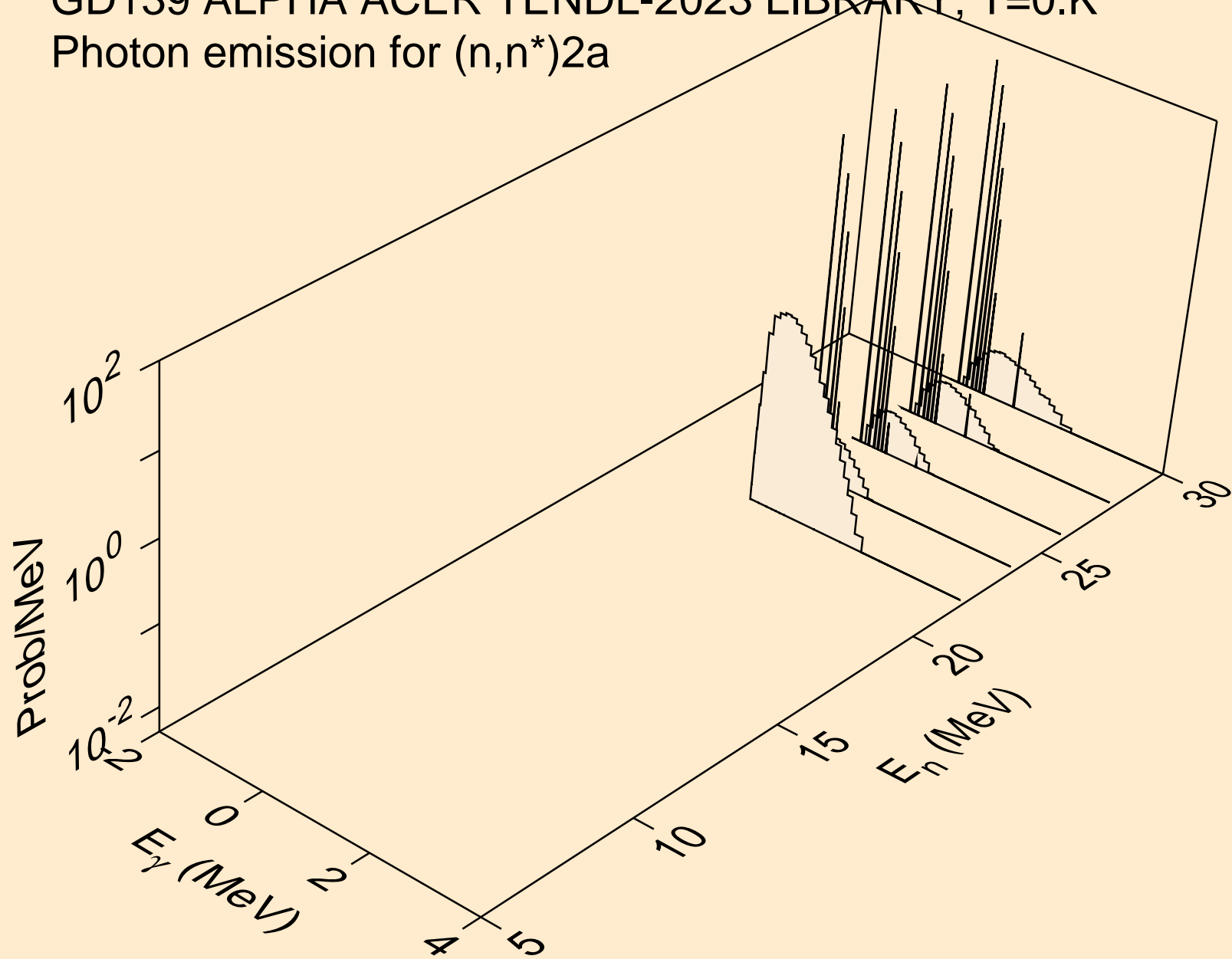
GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



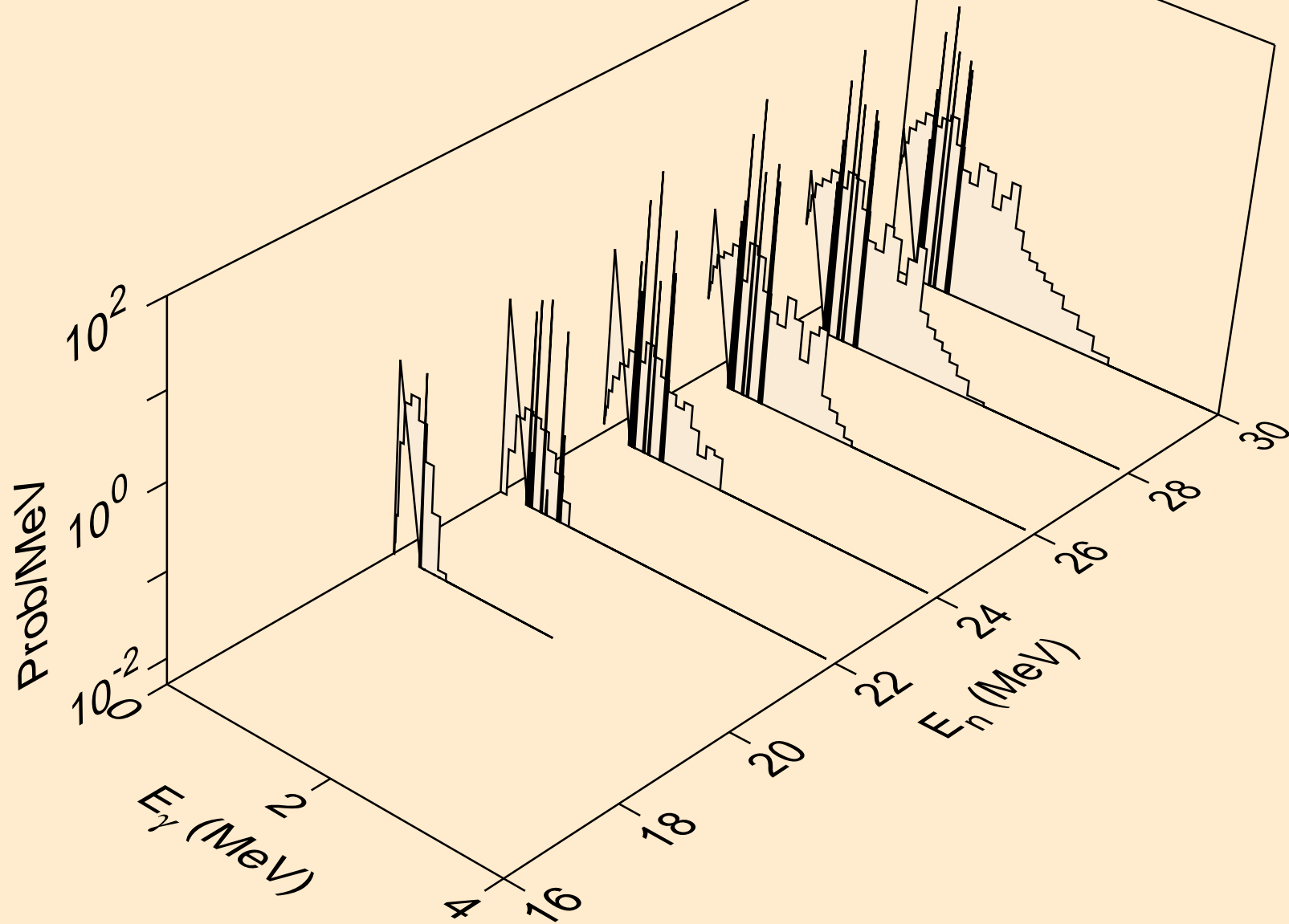
GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



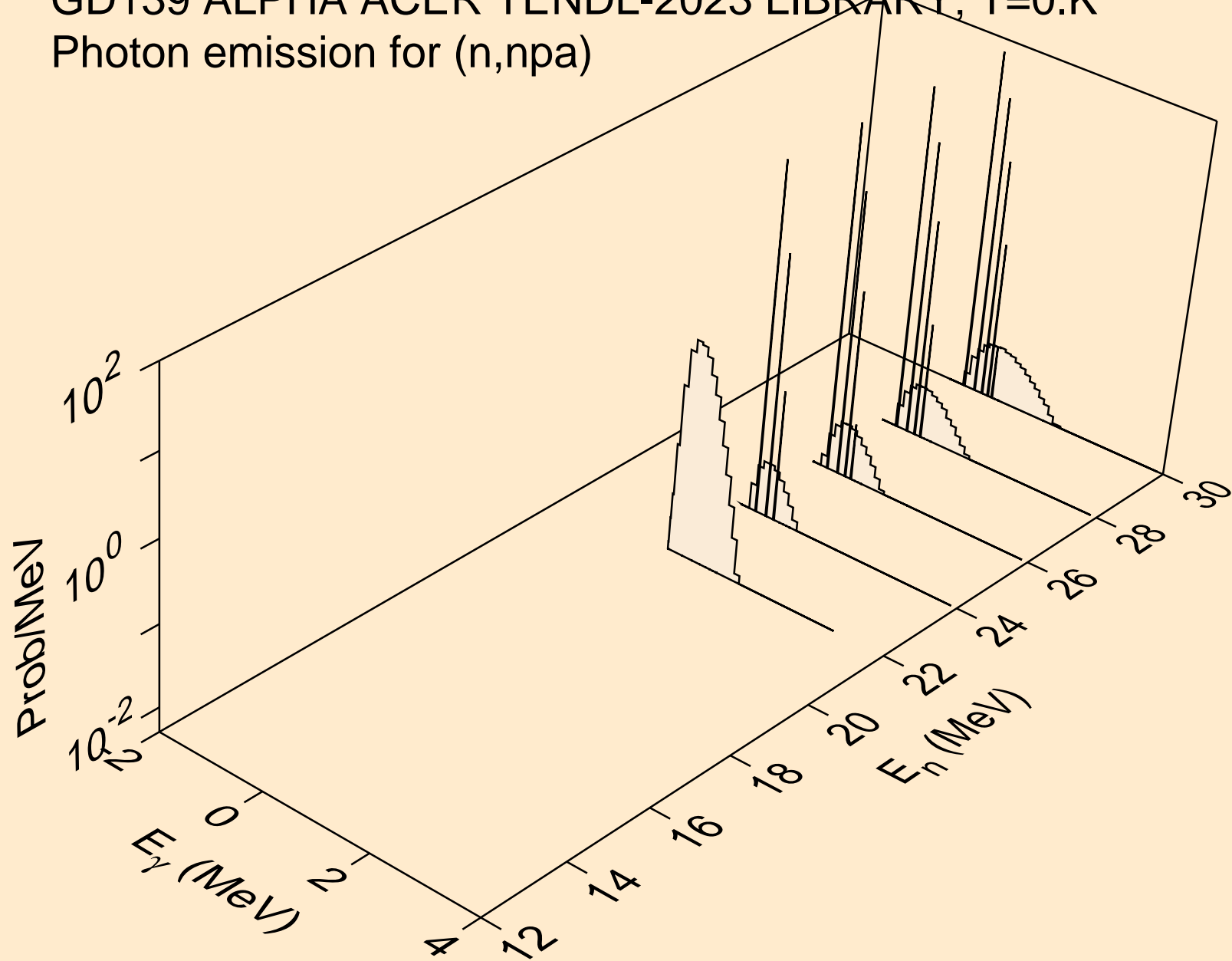
GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)

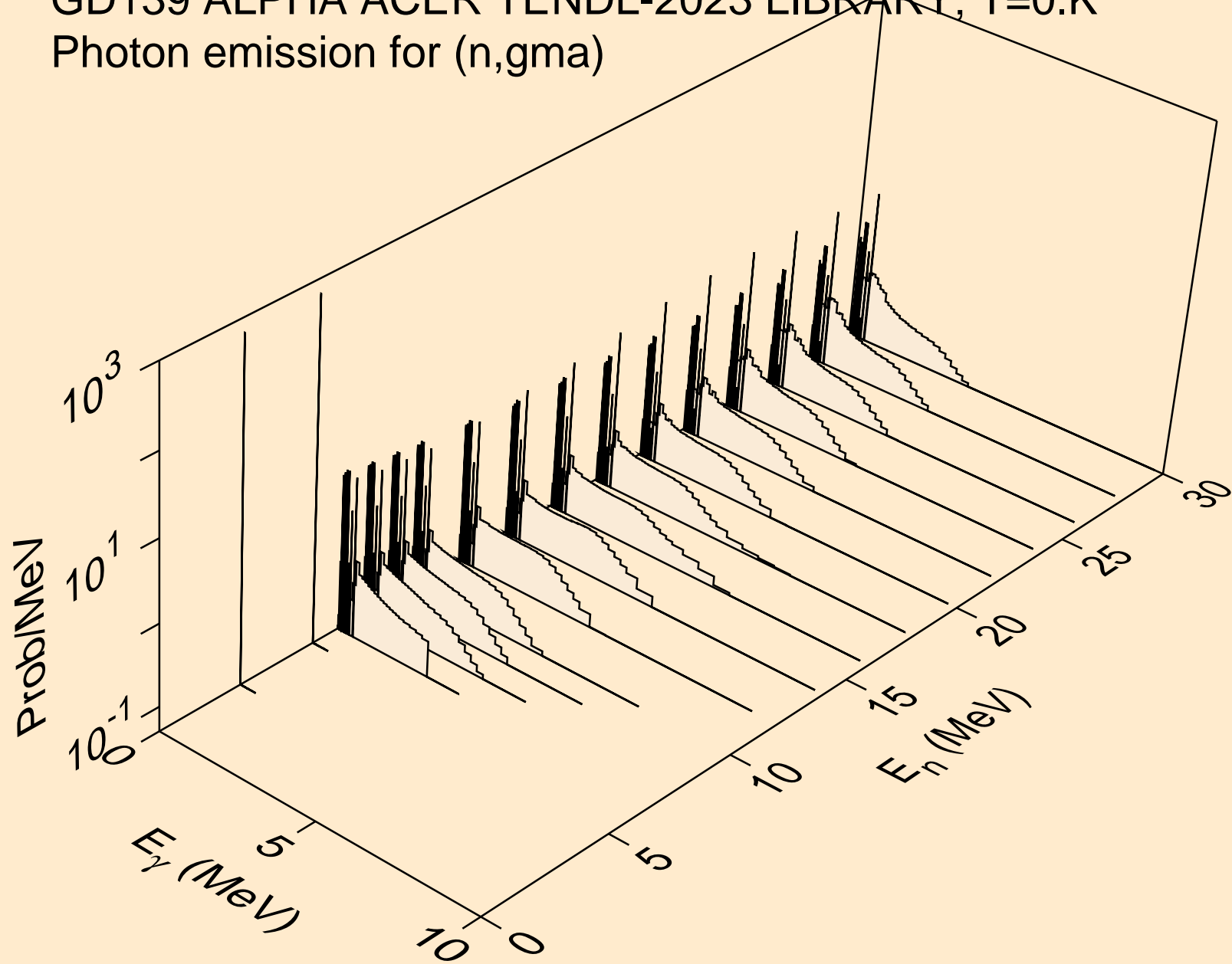


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Photon emission for (n,npa)

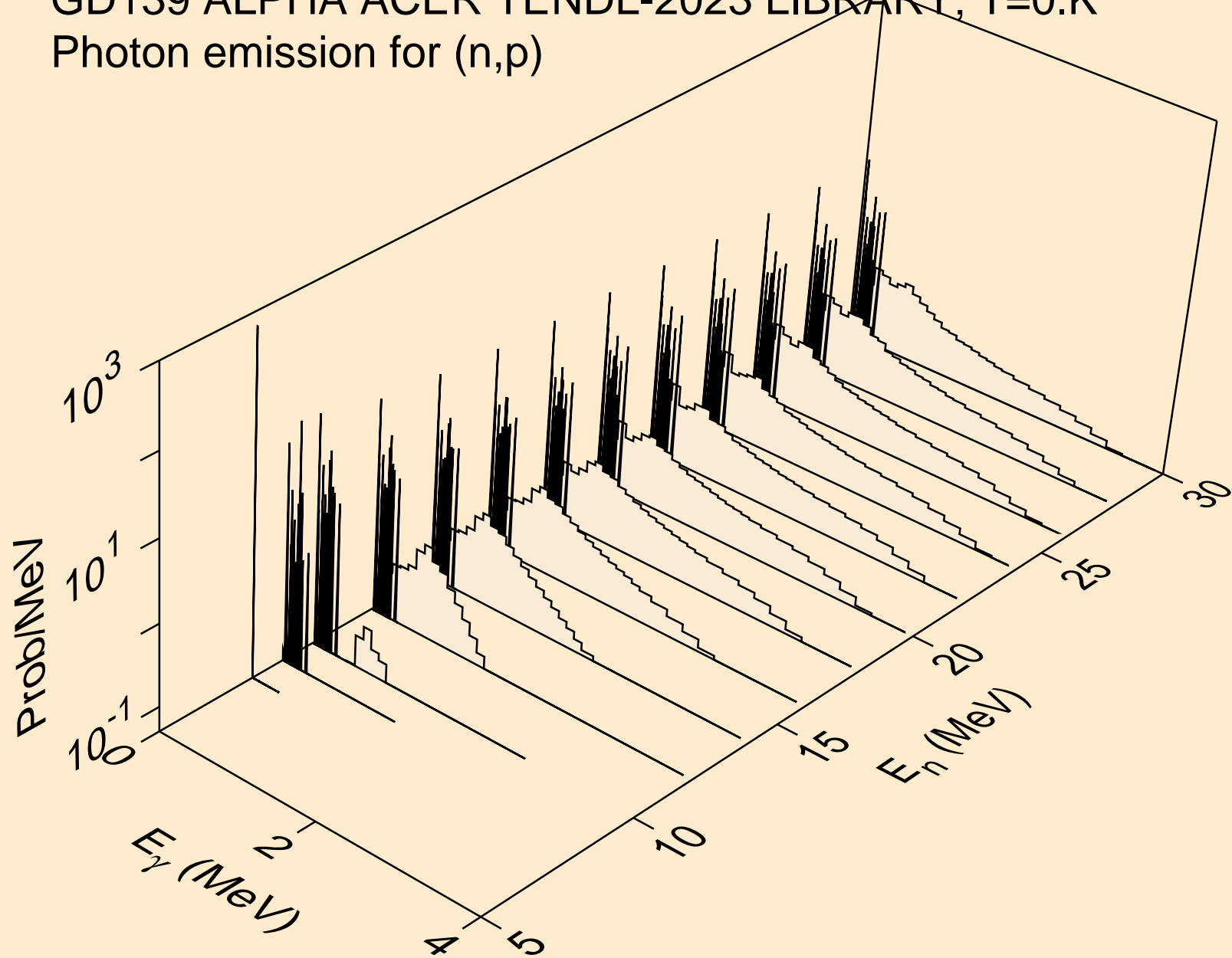




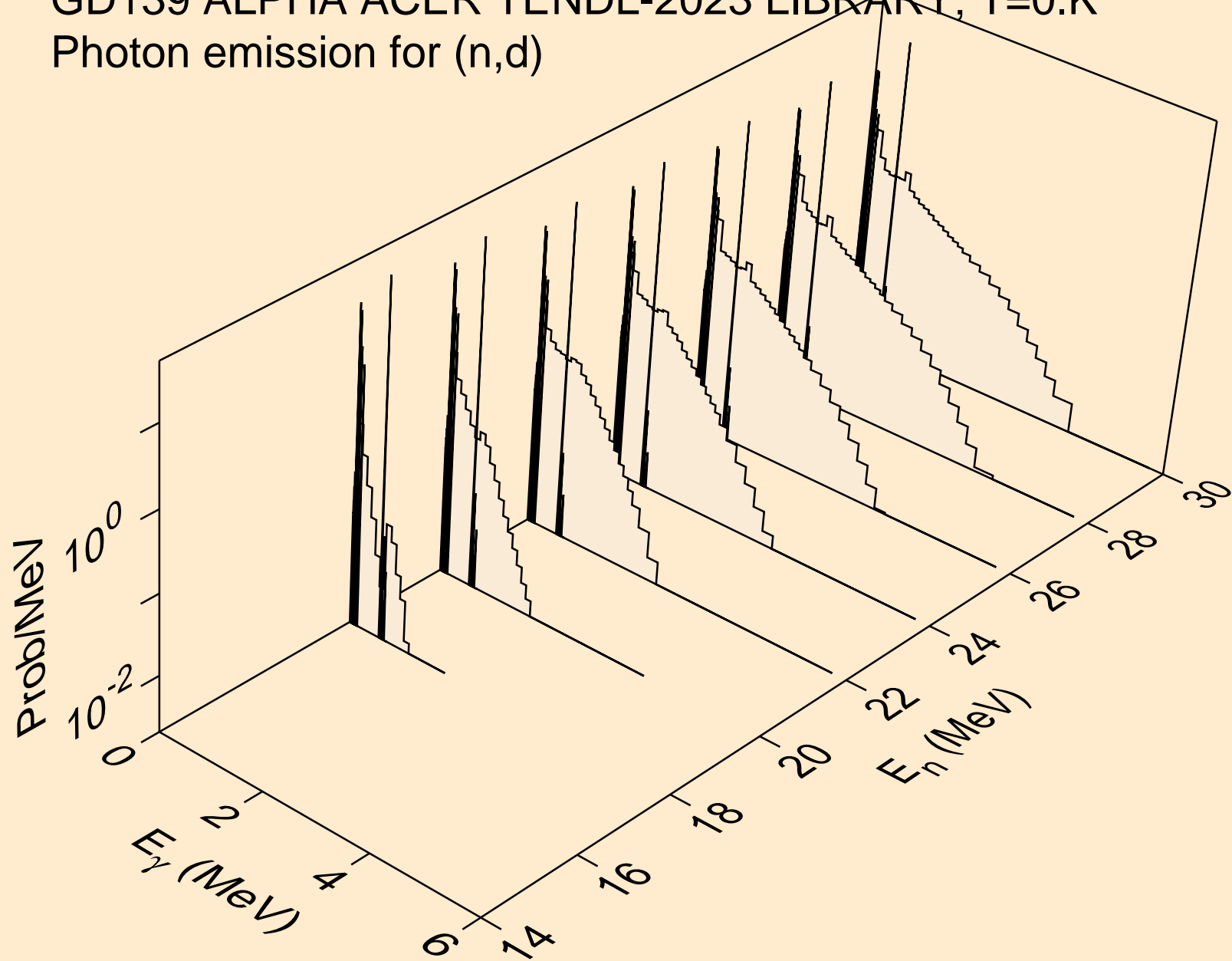
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Photon emission for (n,gma)



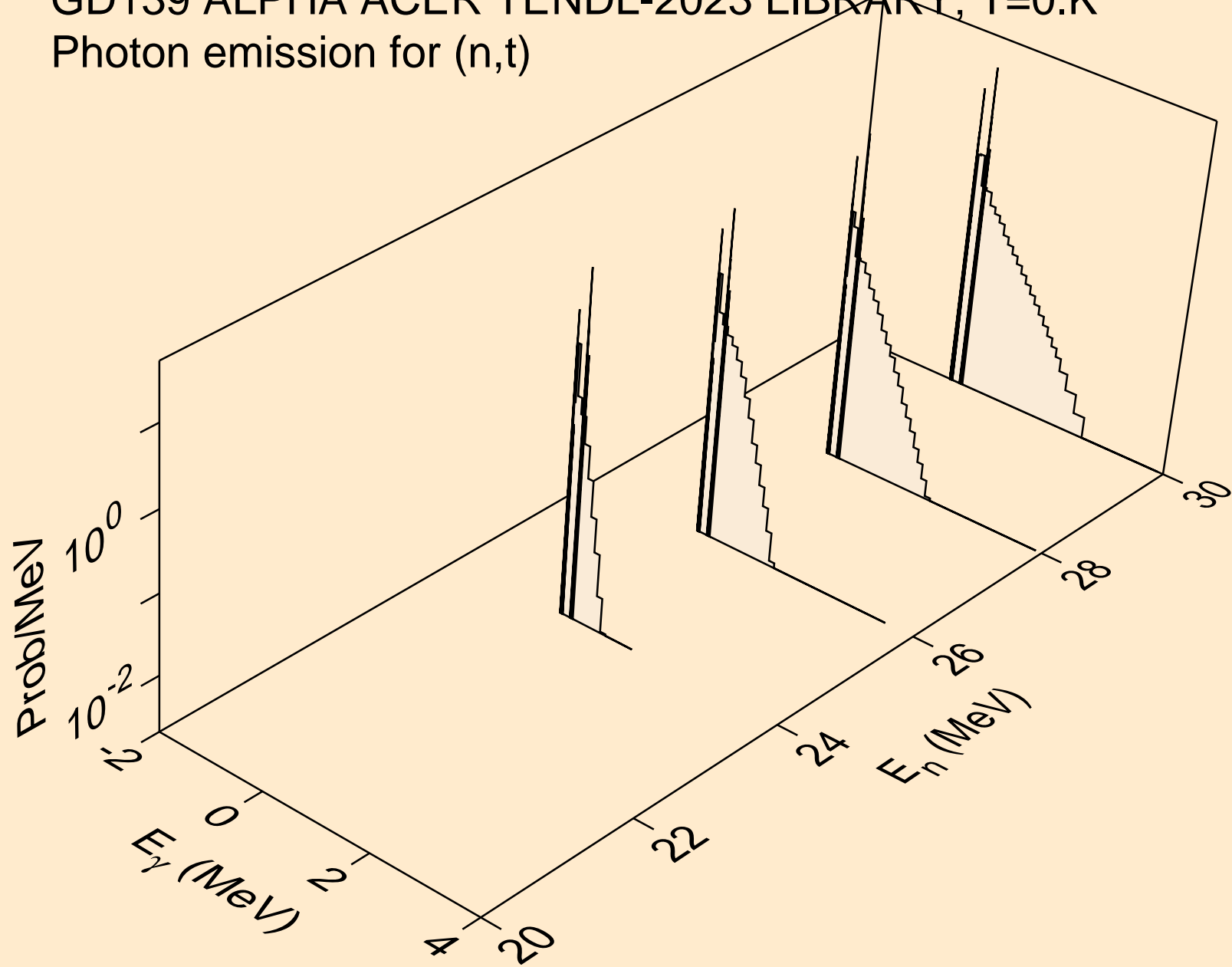
GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



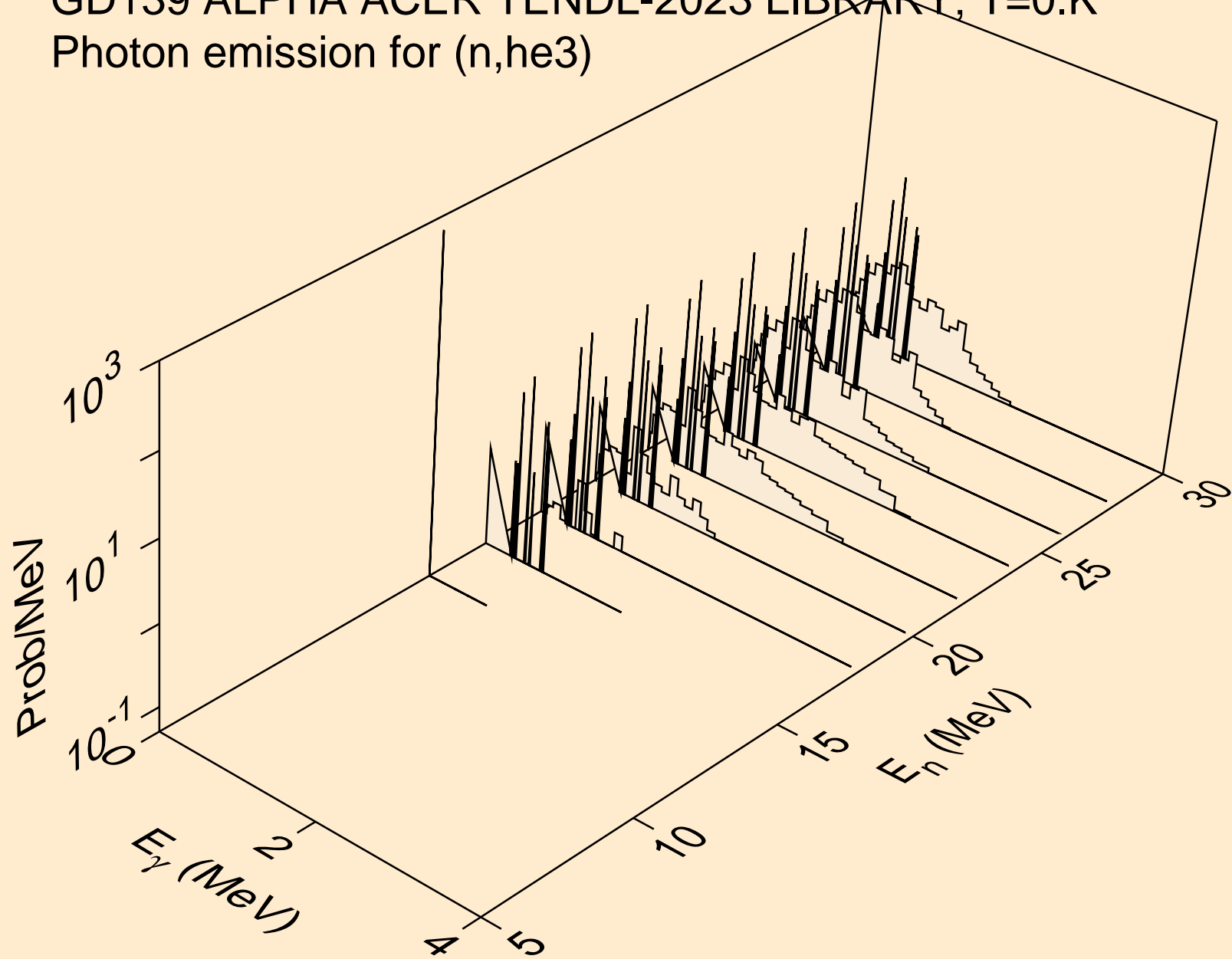
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Photon emission for (n,d)



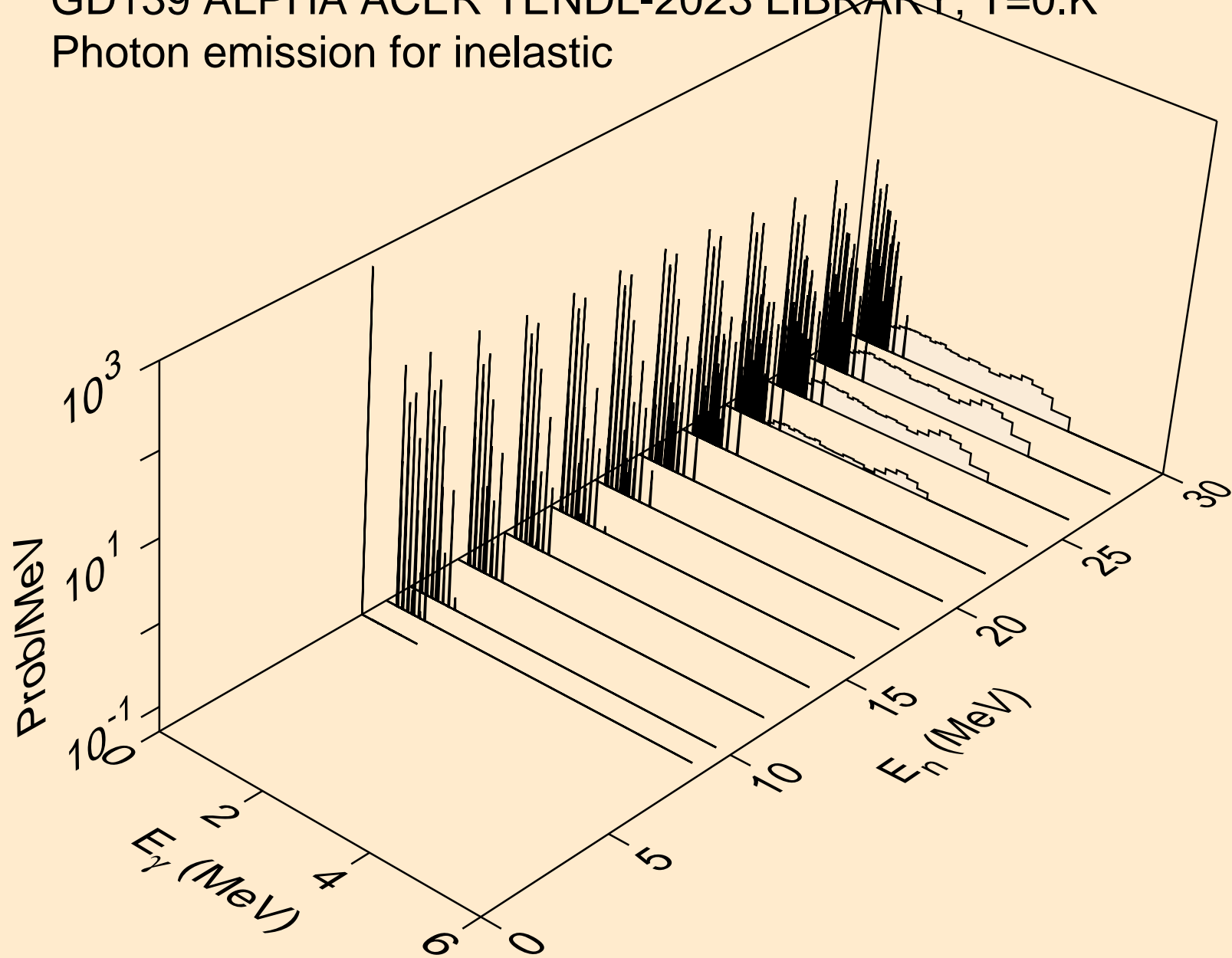
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Photon emission for (n,t)



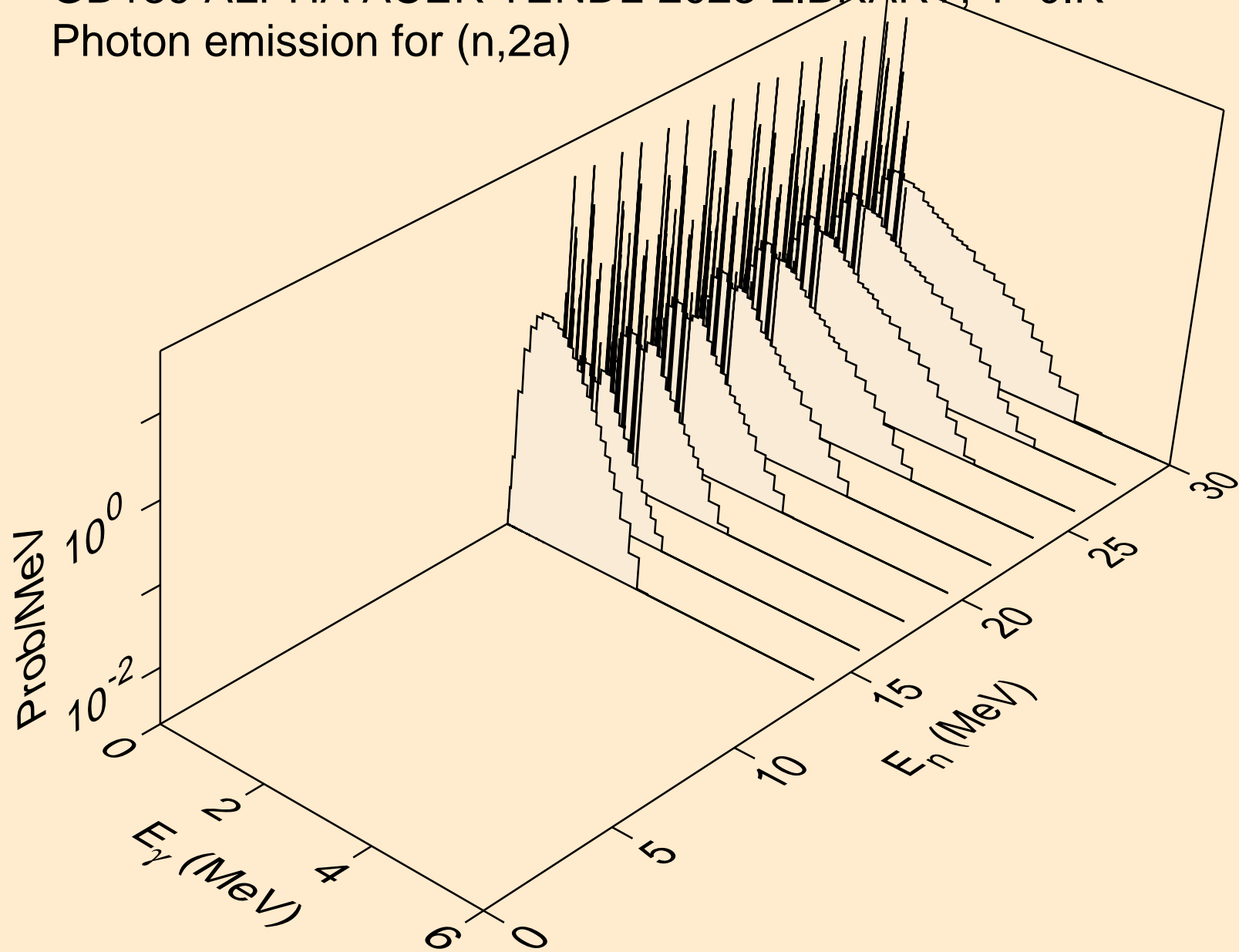
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Photon emission for (n,he3)



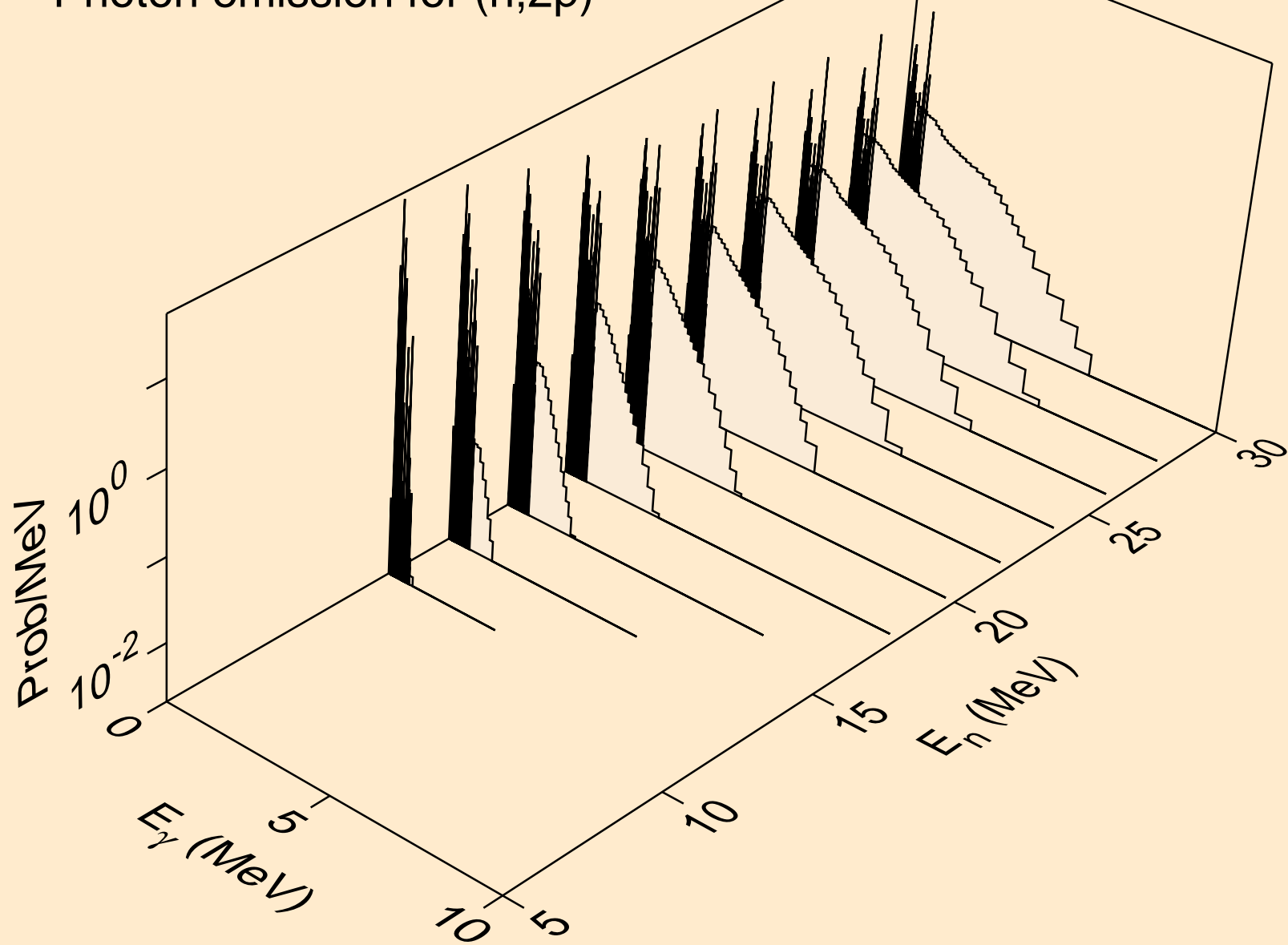
GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)

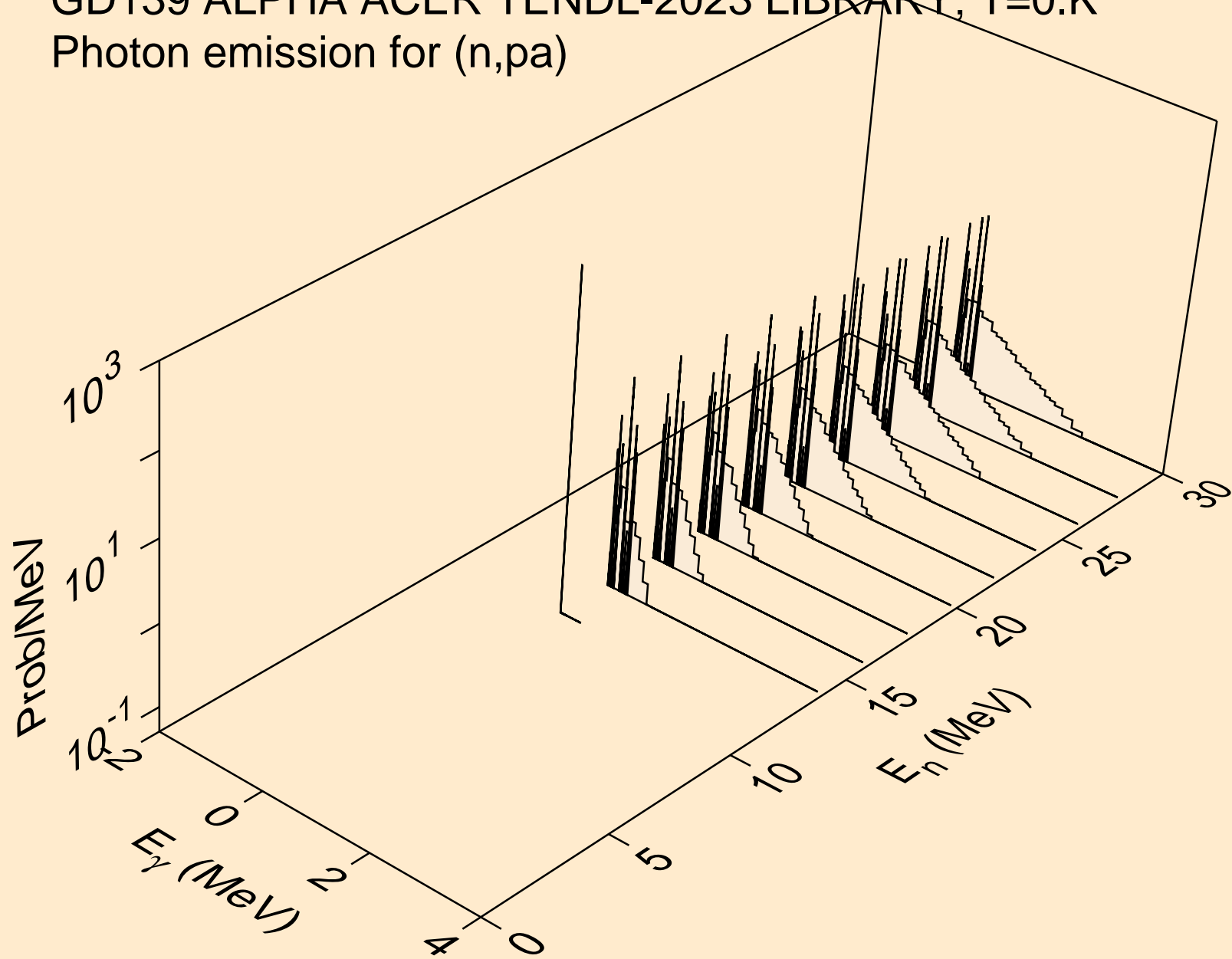


GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)

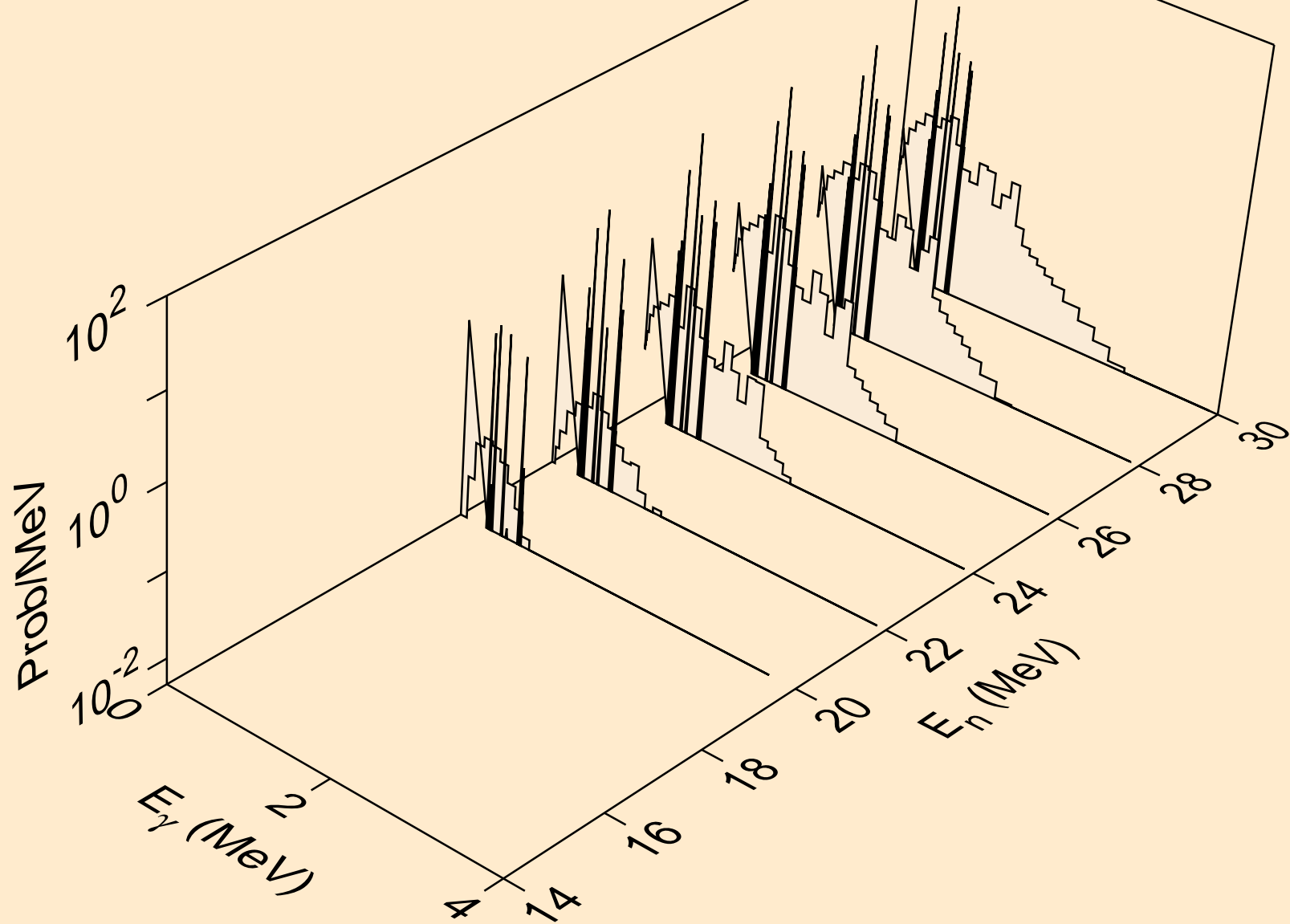




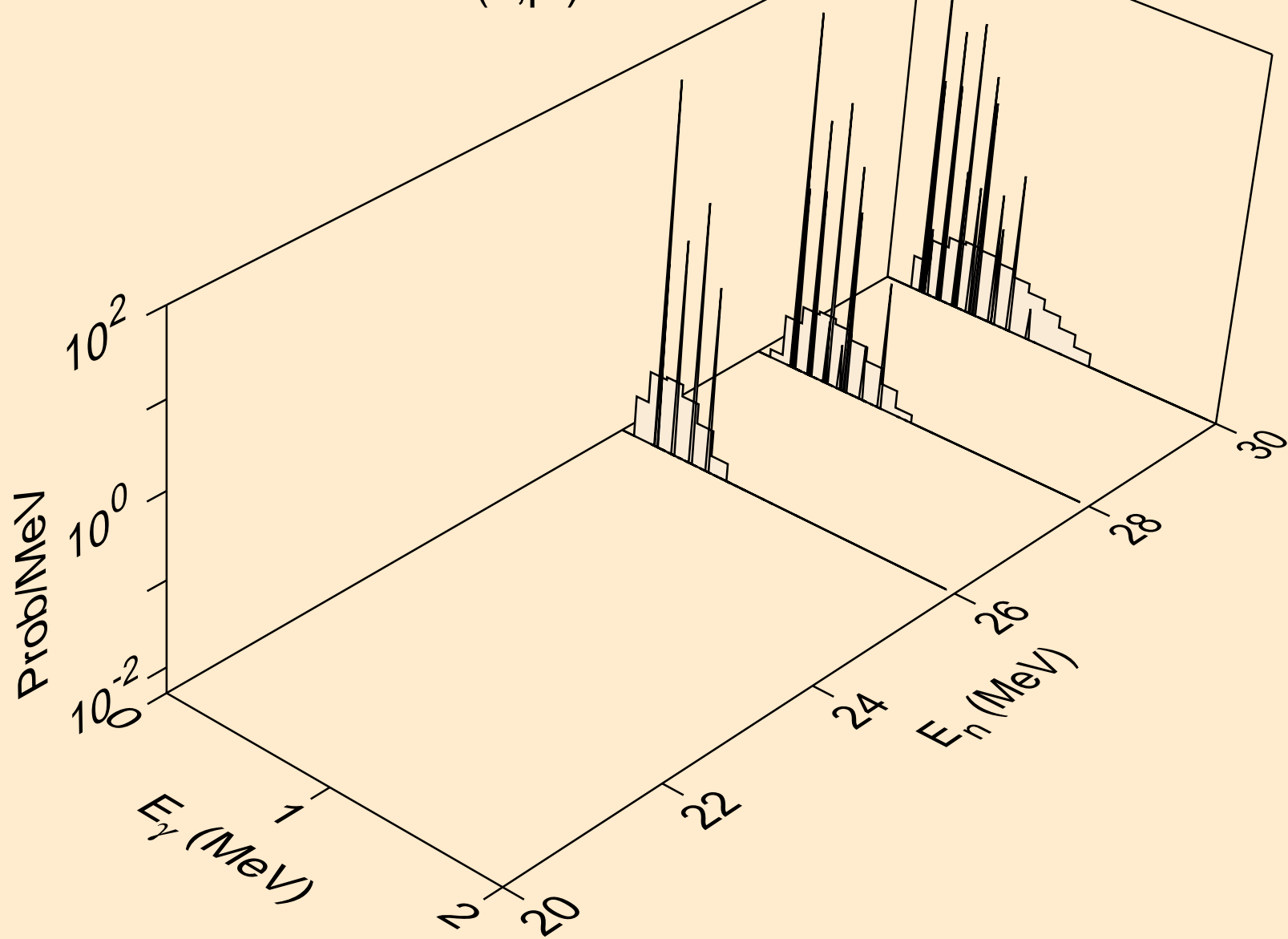
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Photon emission for (n,pa)



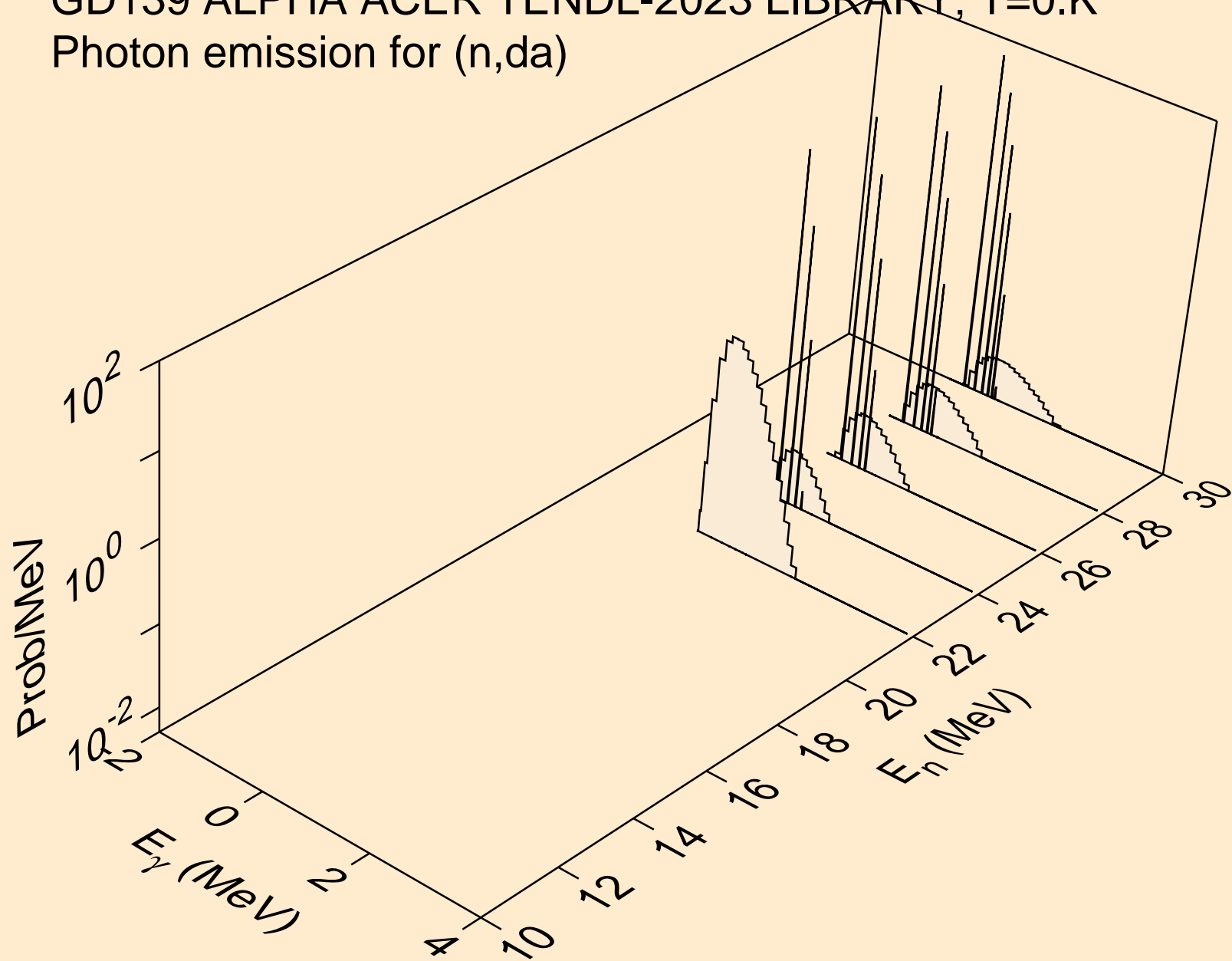
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Photon emission for (n,pd)



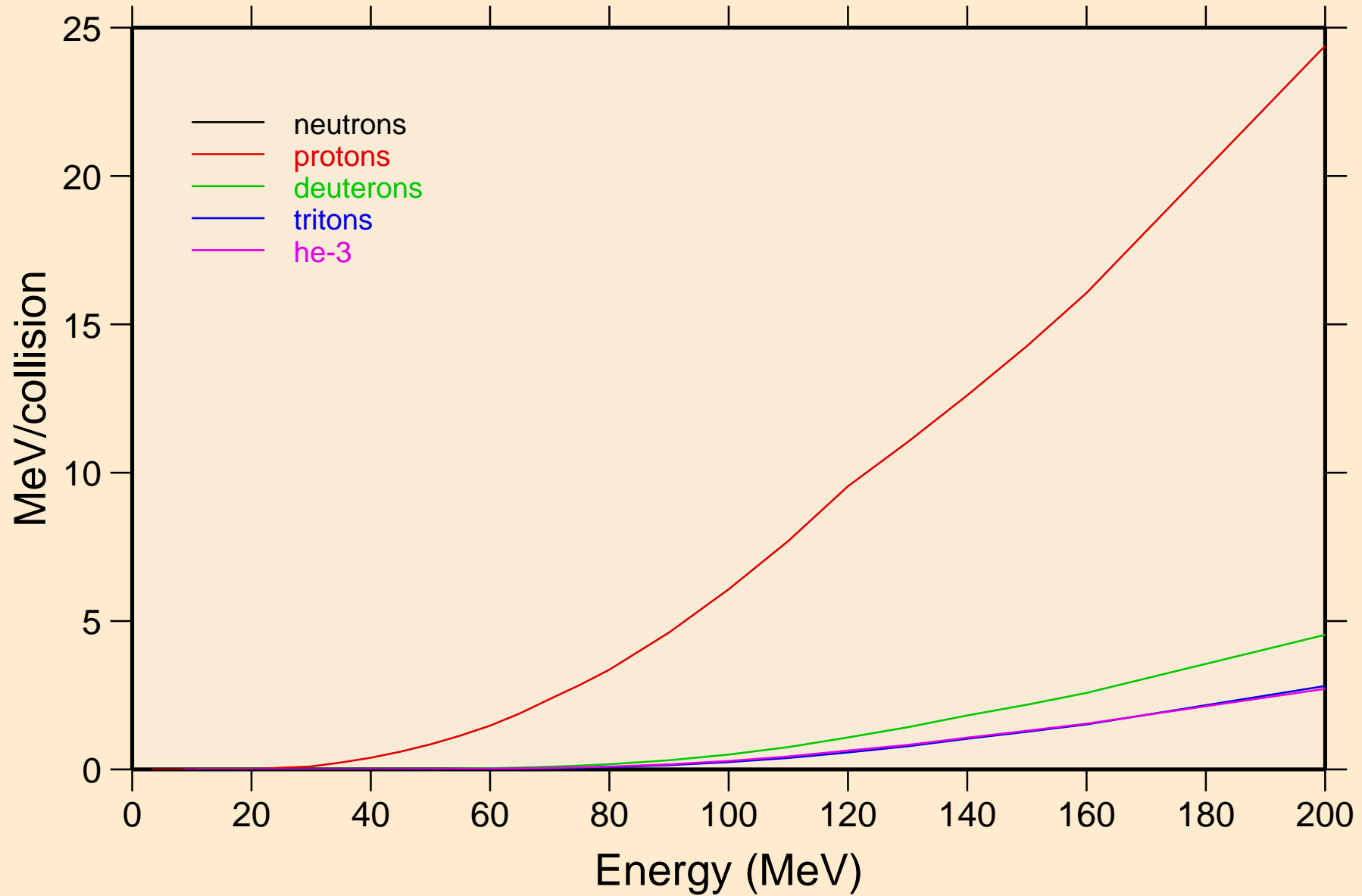
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Photon emission for (n,pt)



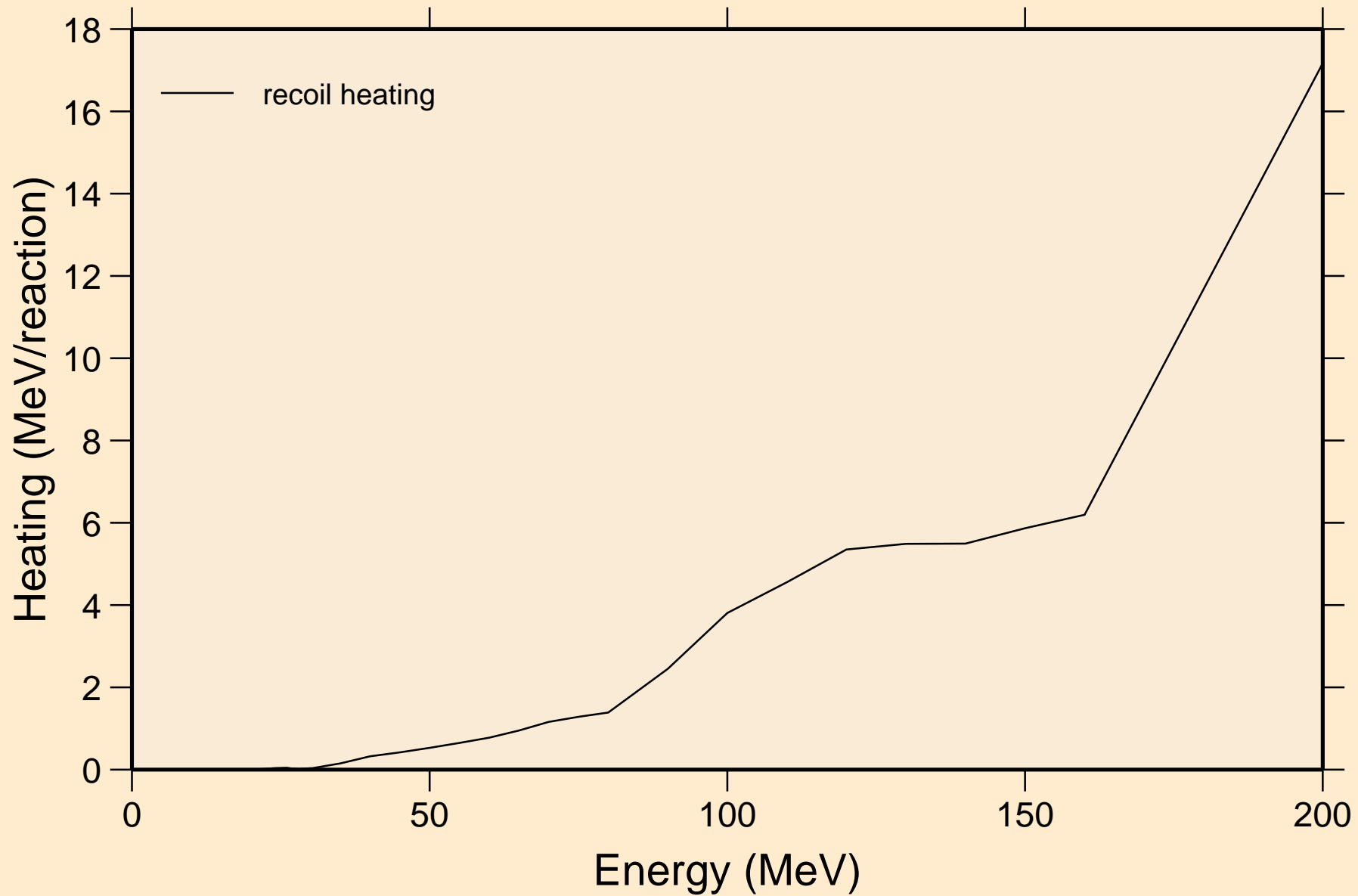
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Photon emission for (n,da)



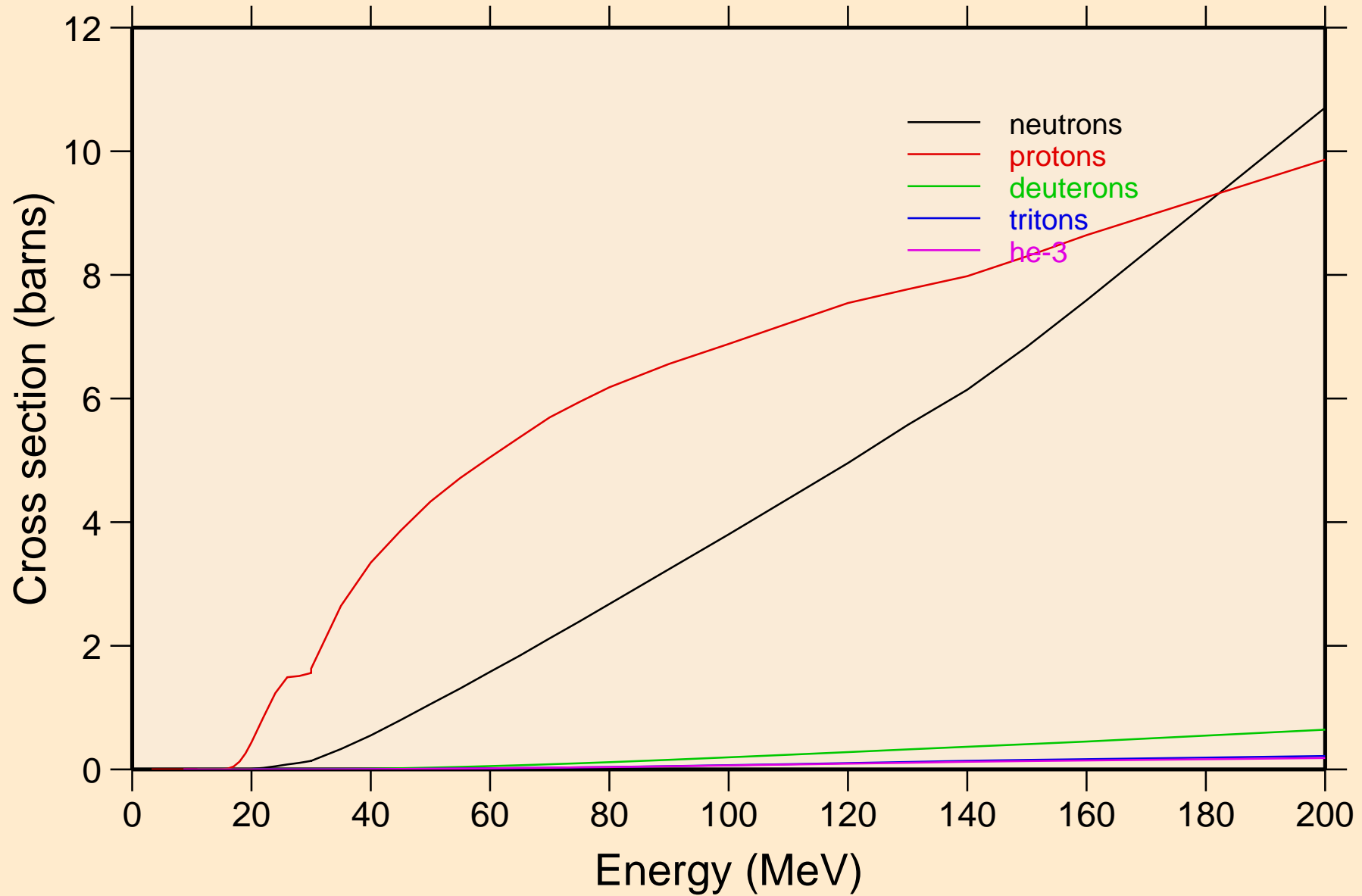
GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions



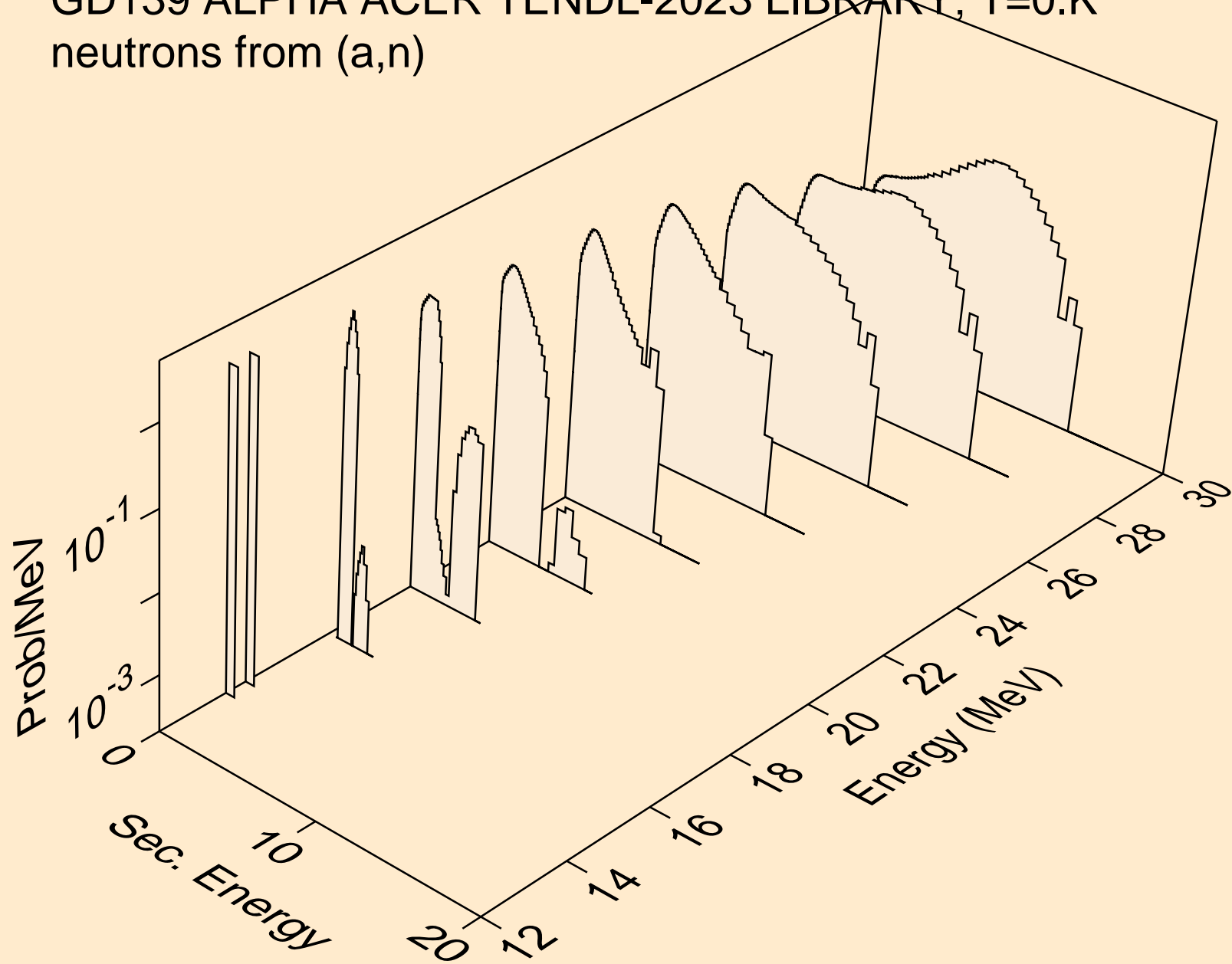
GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections

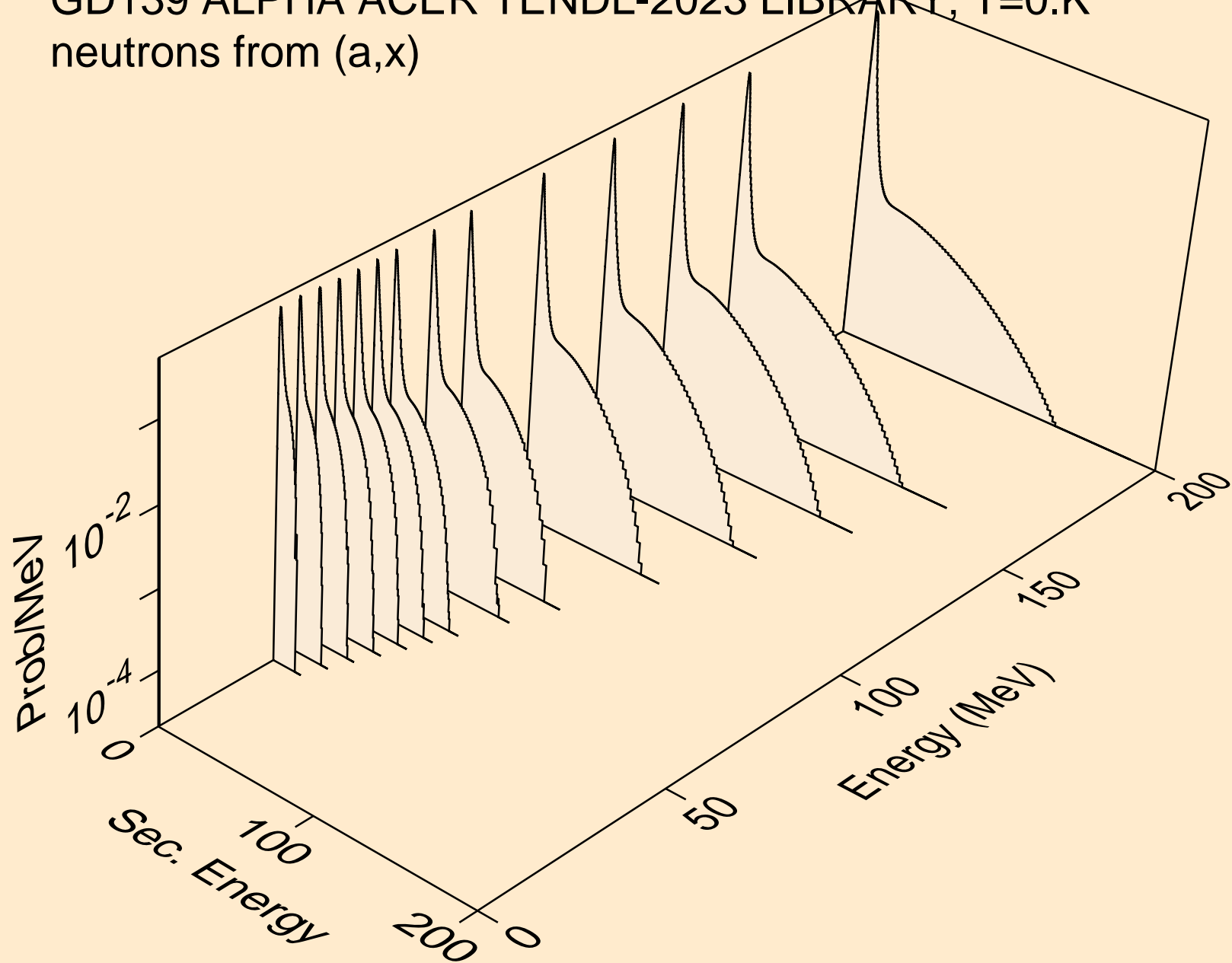


GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n)

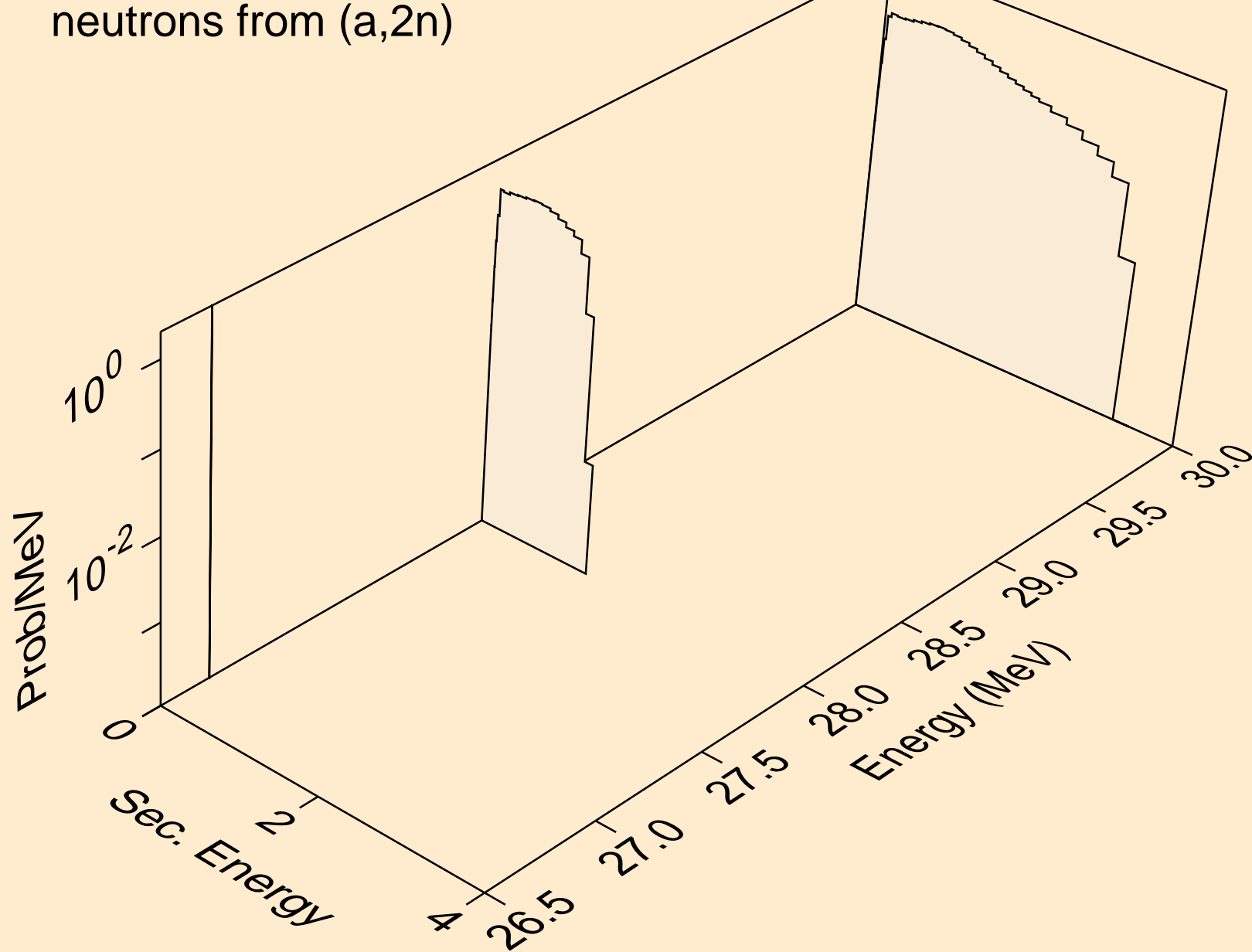




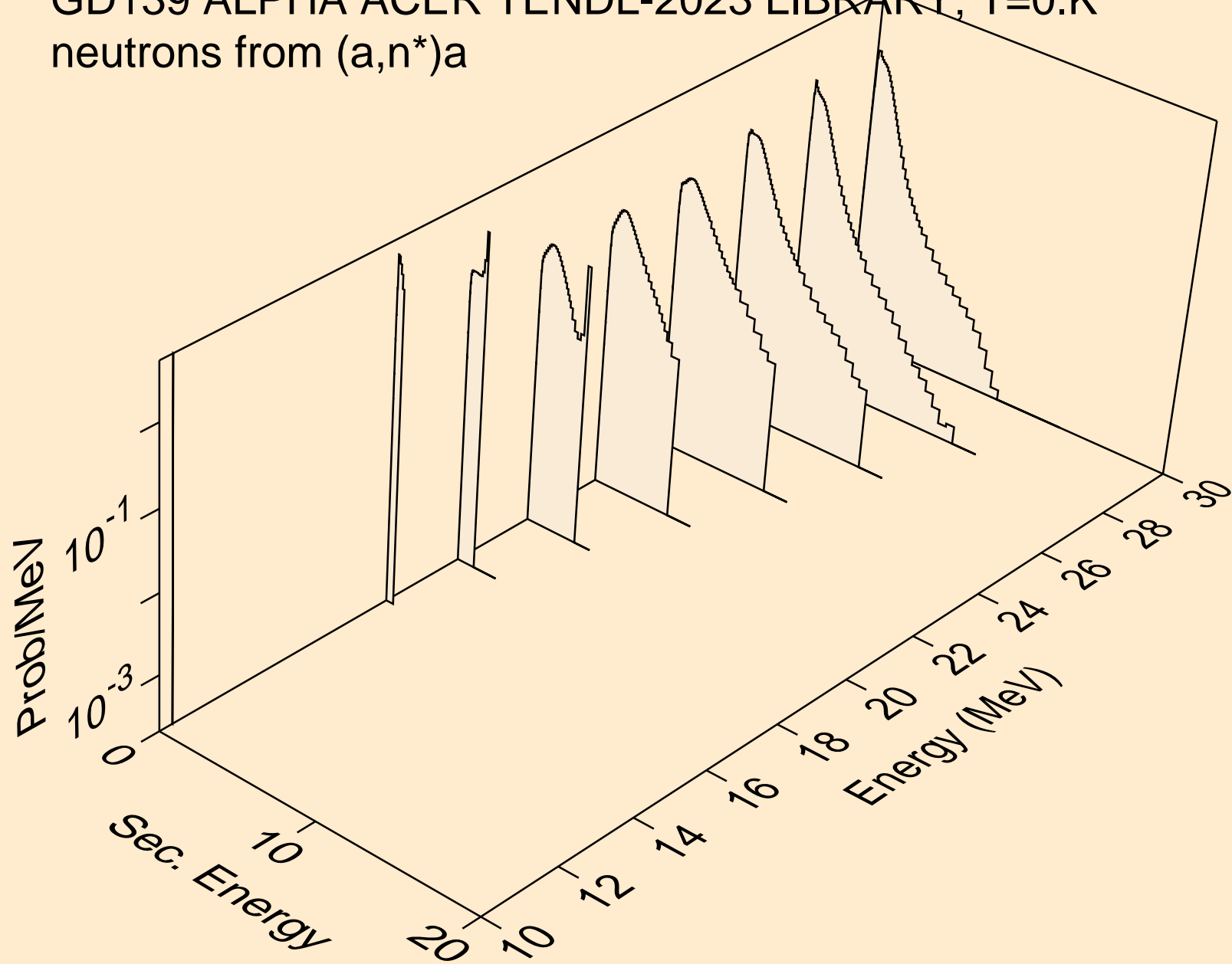
GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,x)



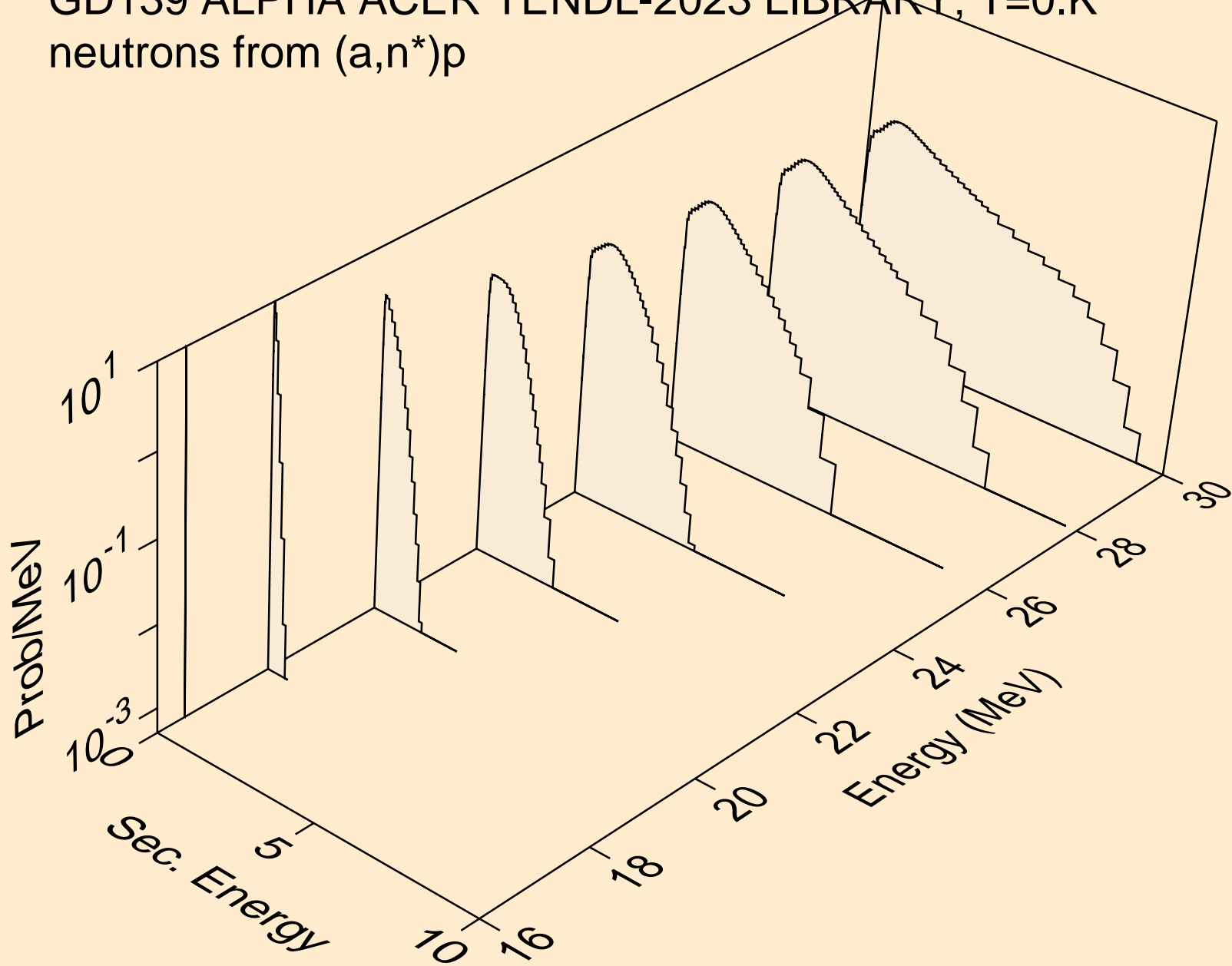
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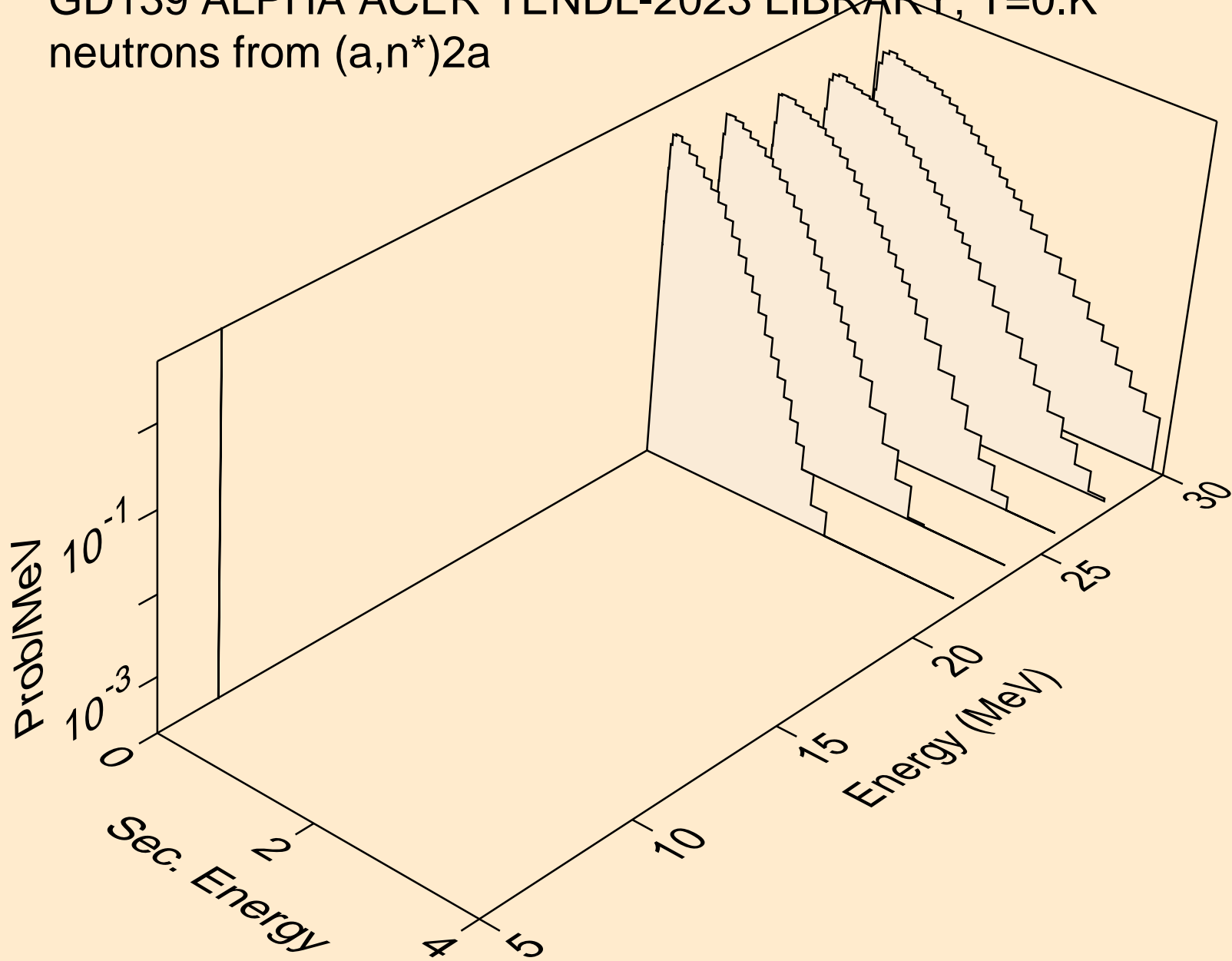
GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)a



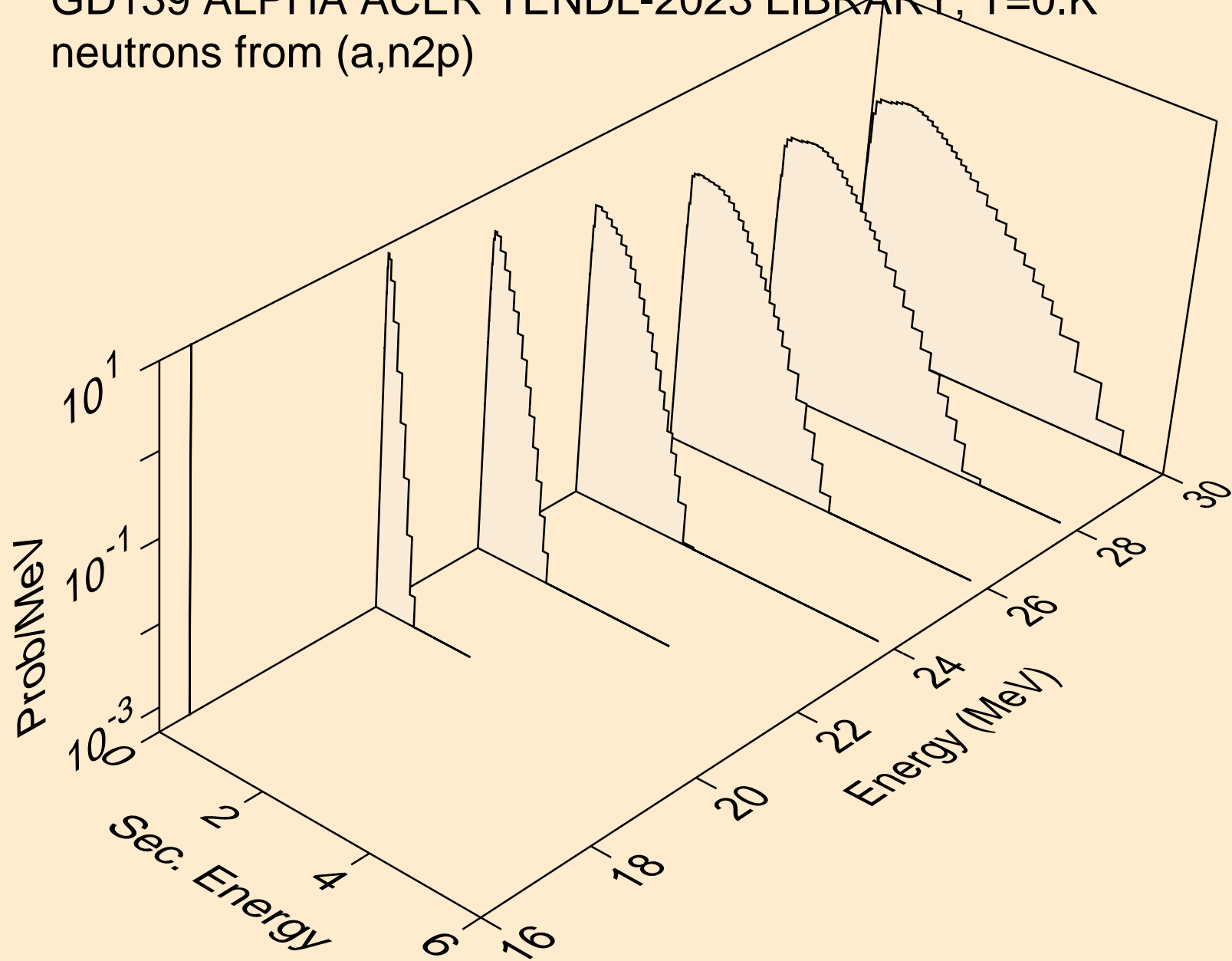
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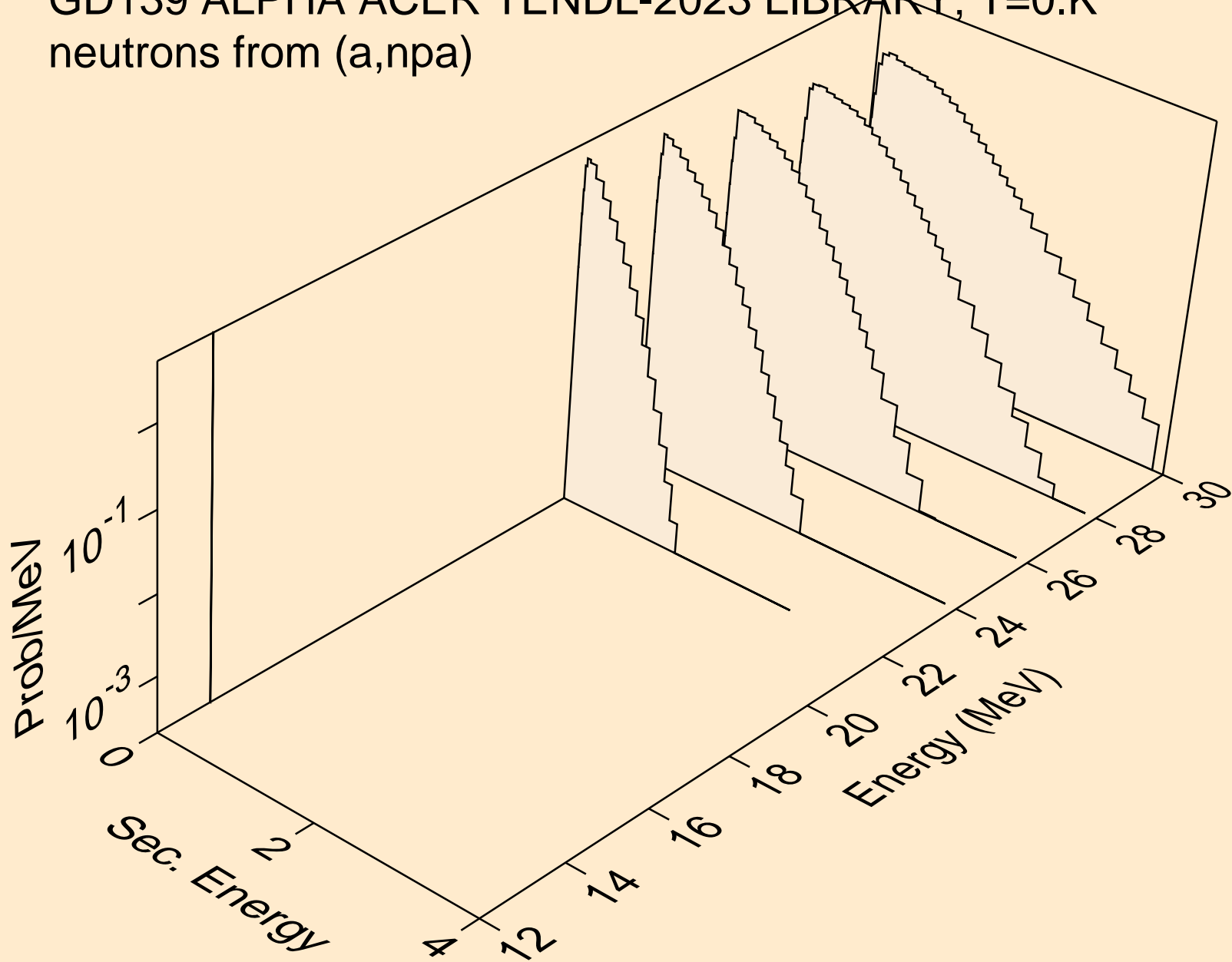
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neutrons from (a,n\*)2a



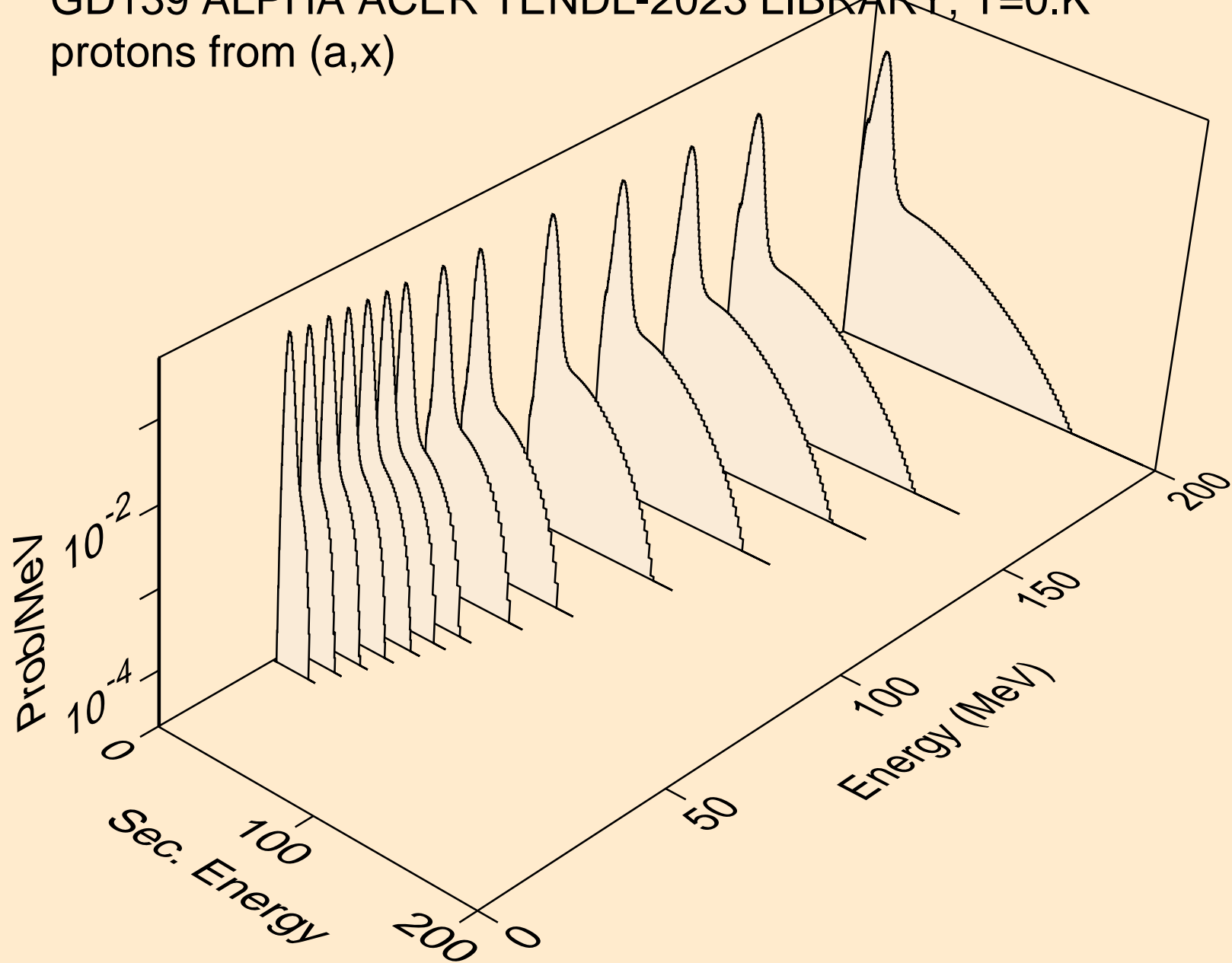
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neutrons from (a,n2p)



GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,npa)

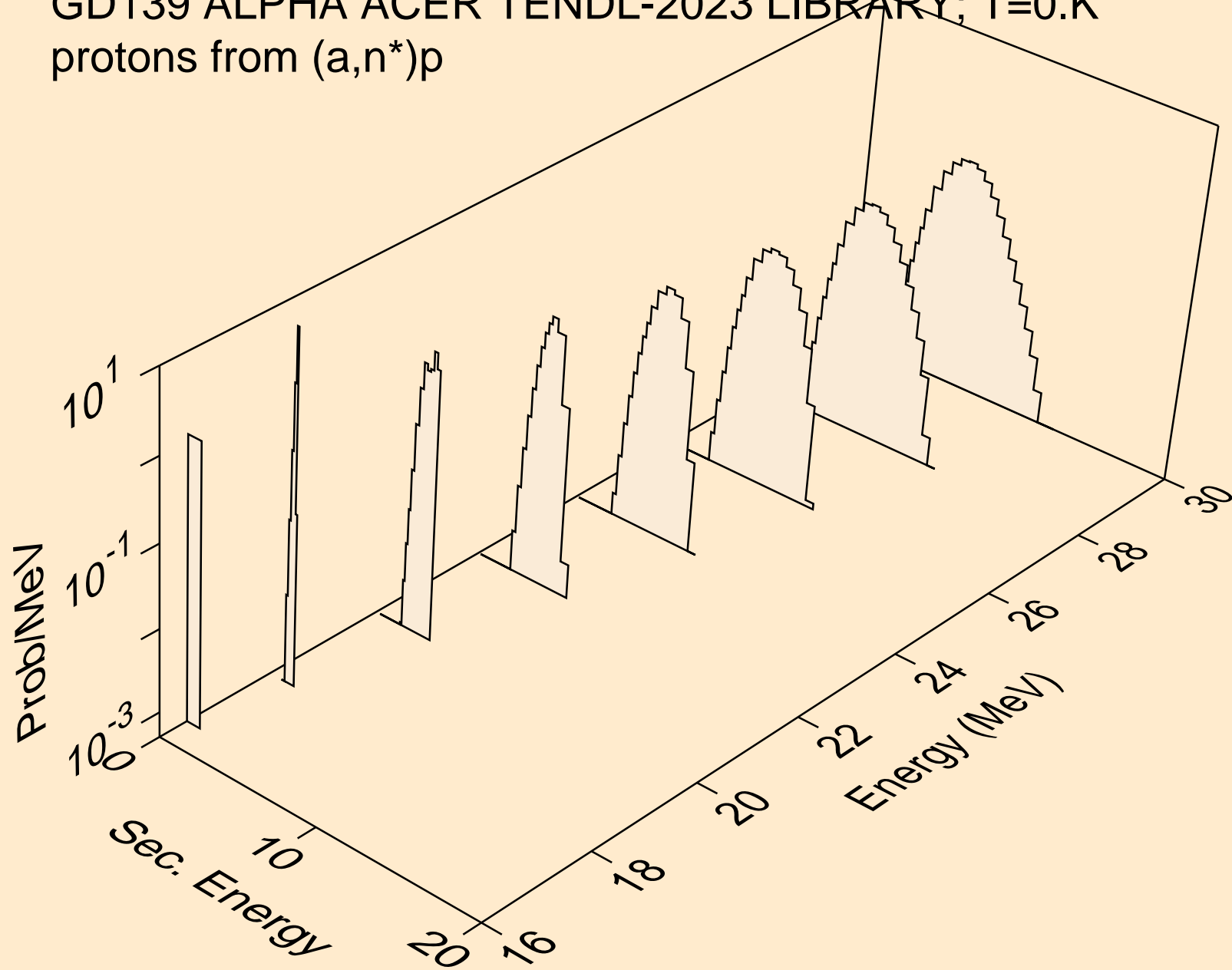


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protons from (a,x)

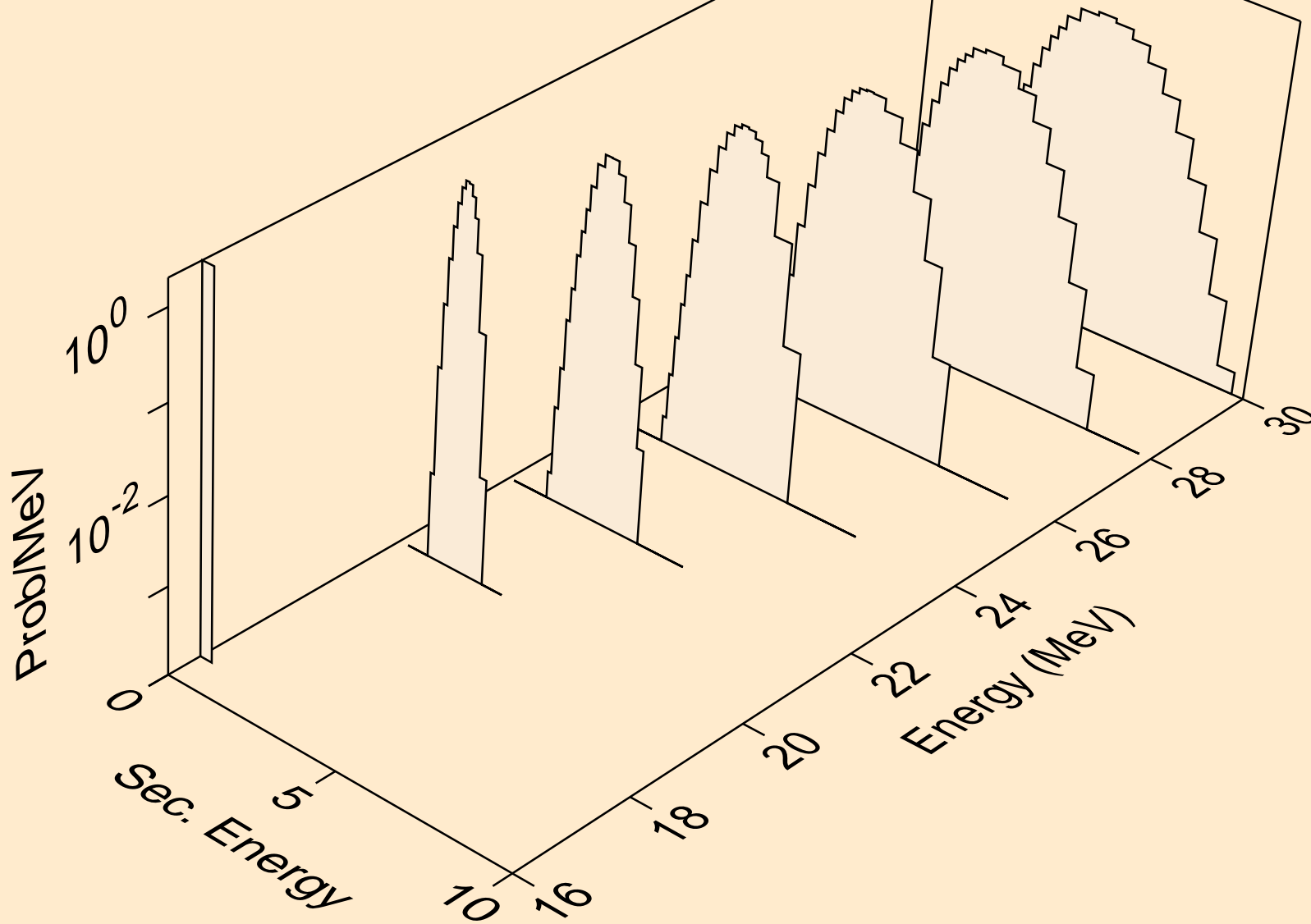




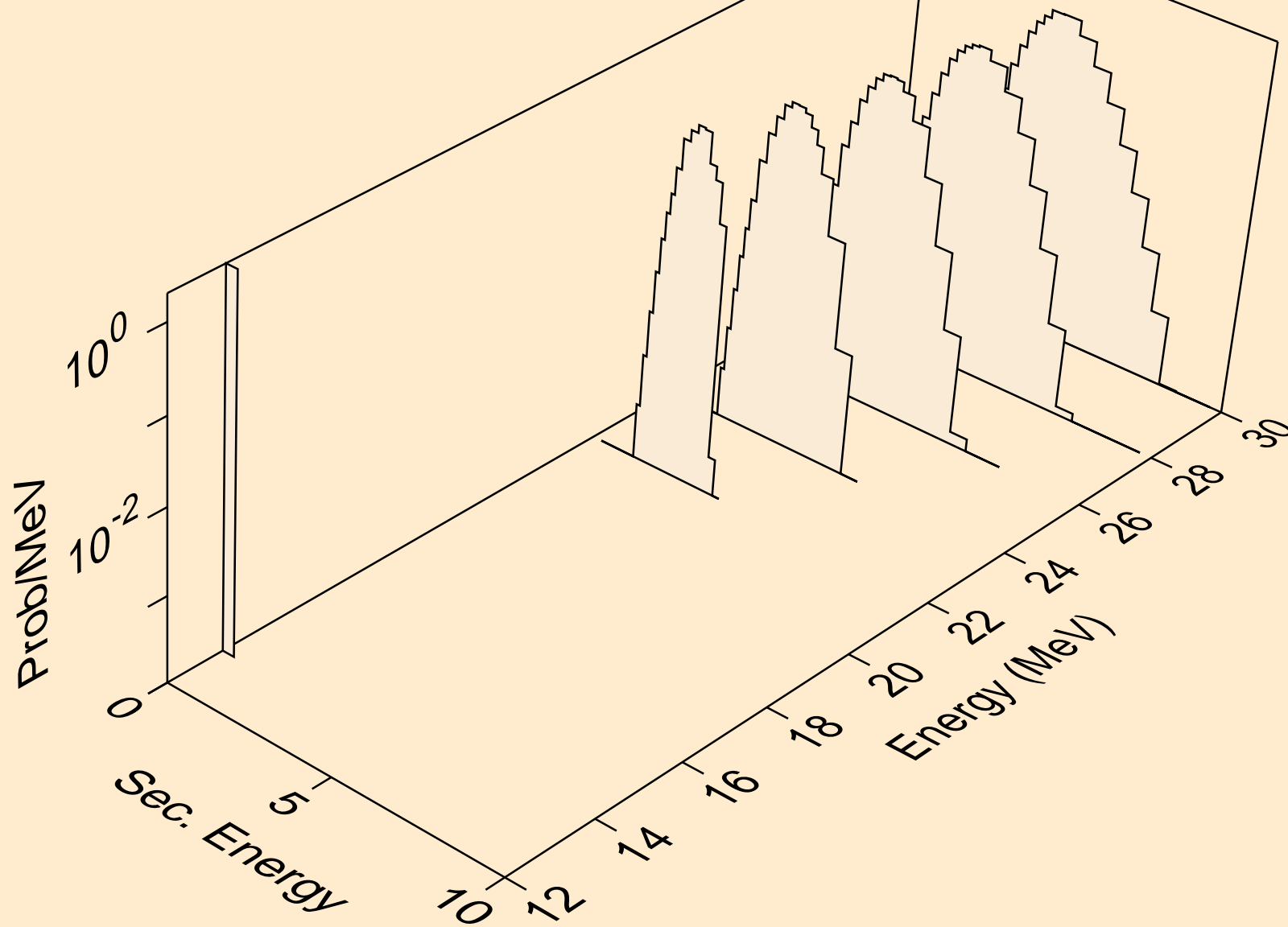
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protons from (a,n\*)p



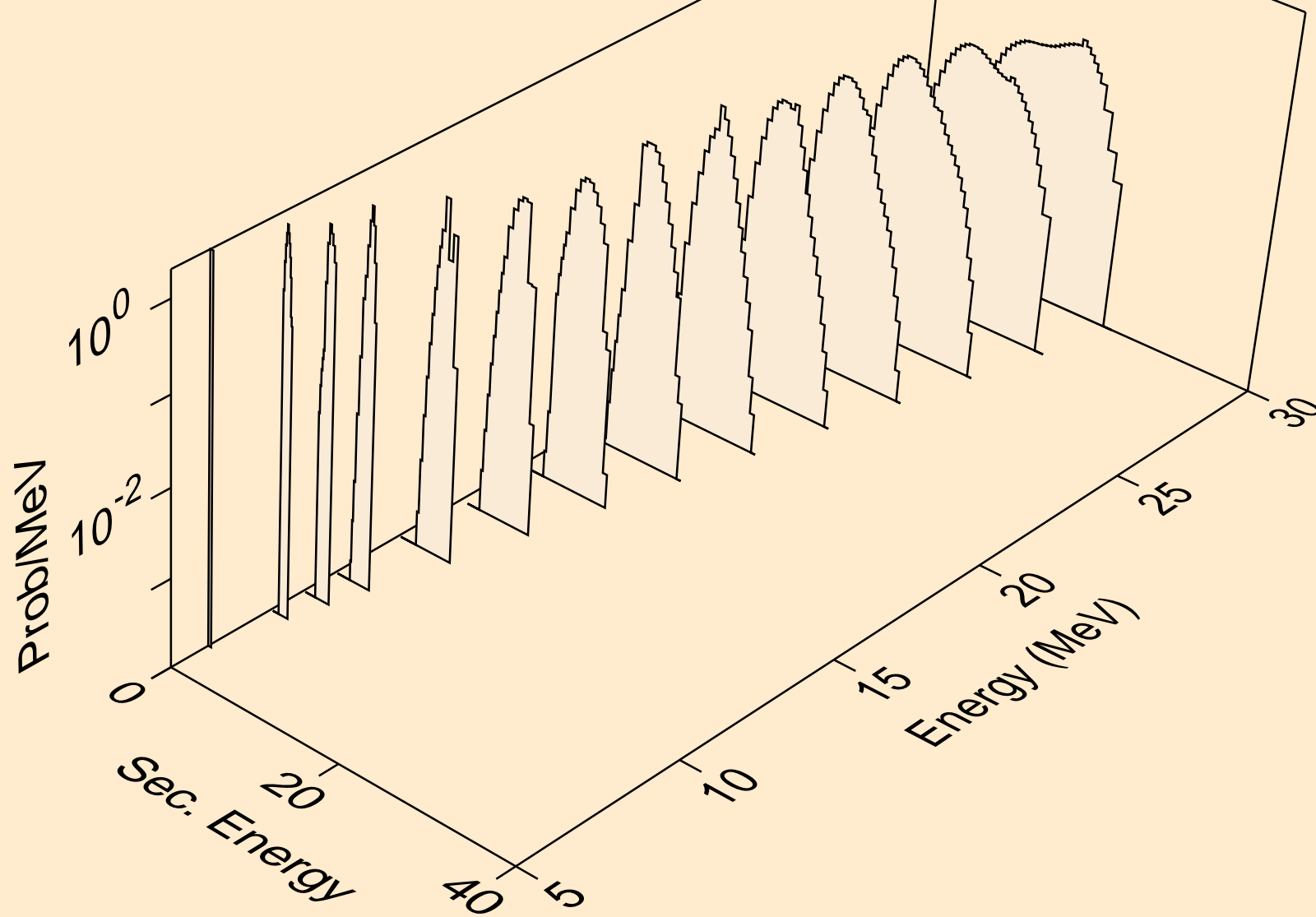
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protons from (a,n2p)



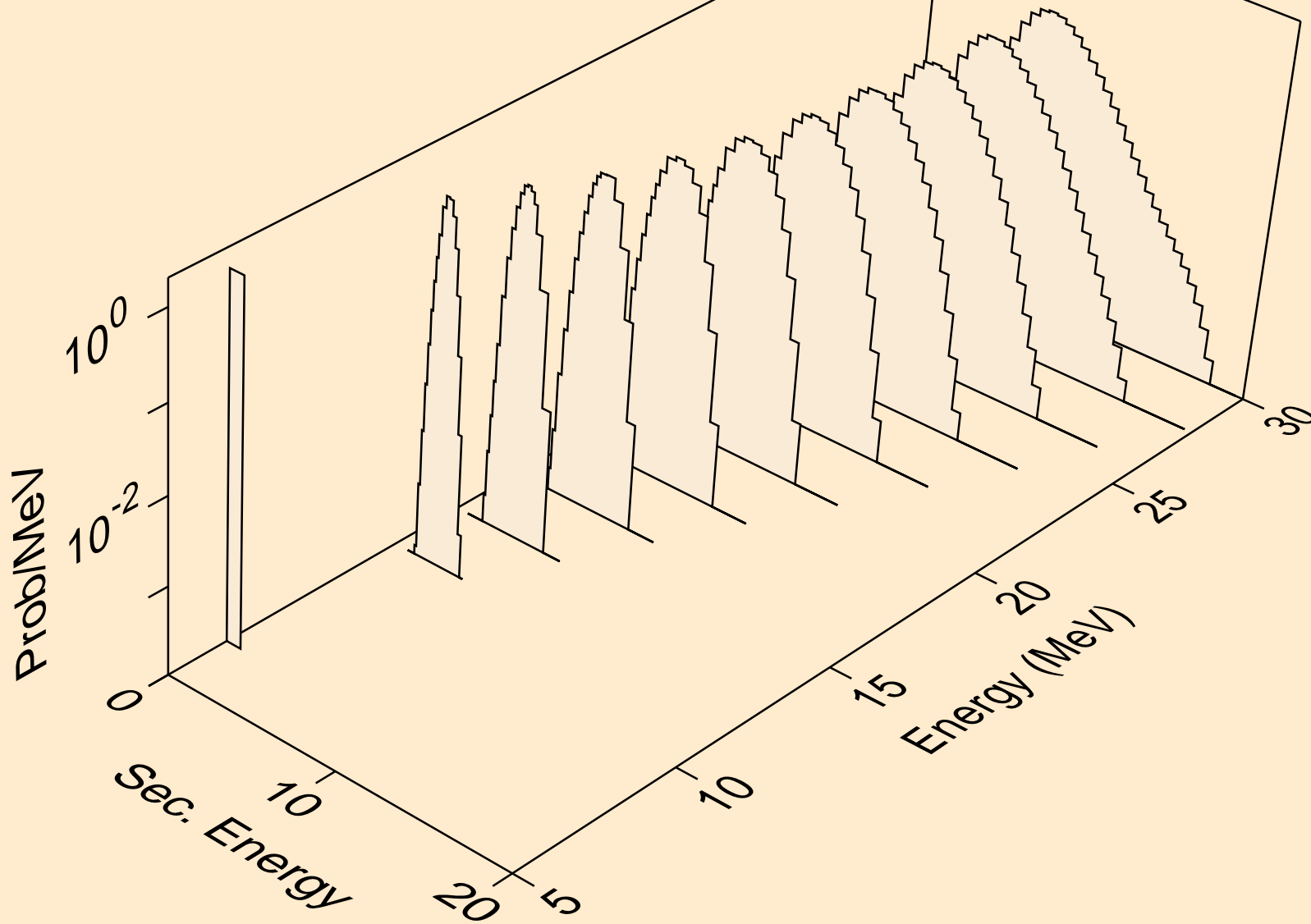
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protons from (a,npa)



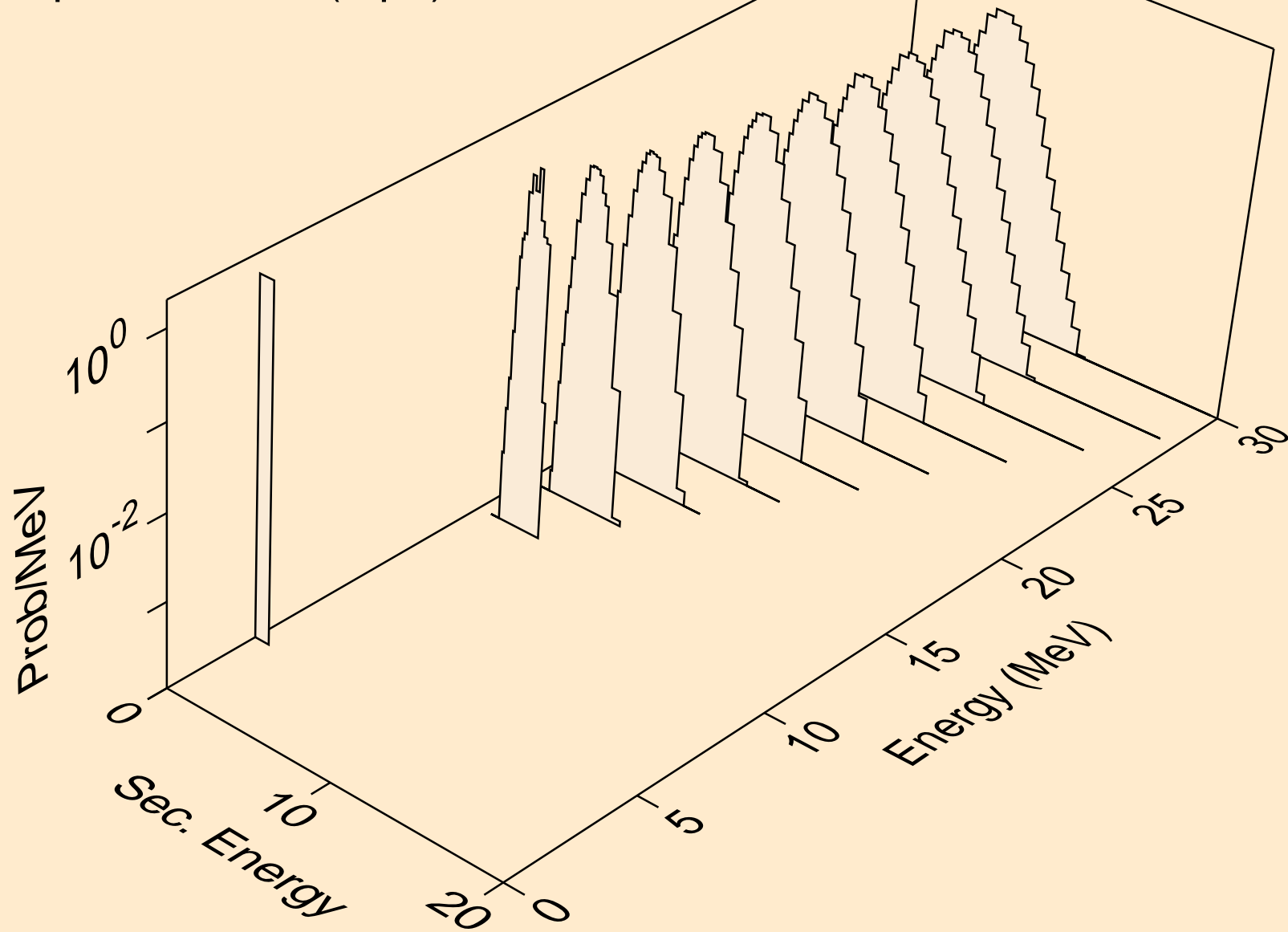
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protons from (a,p)



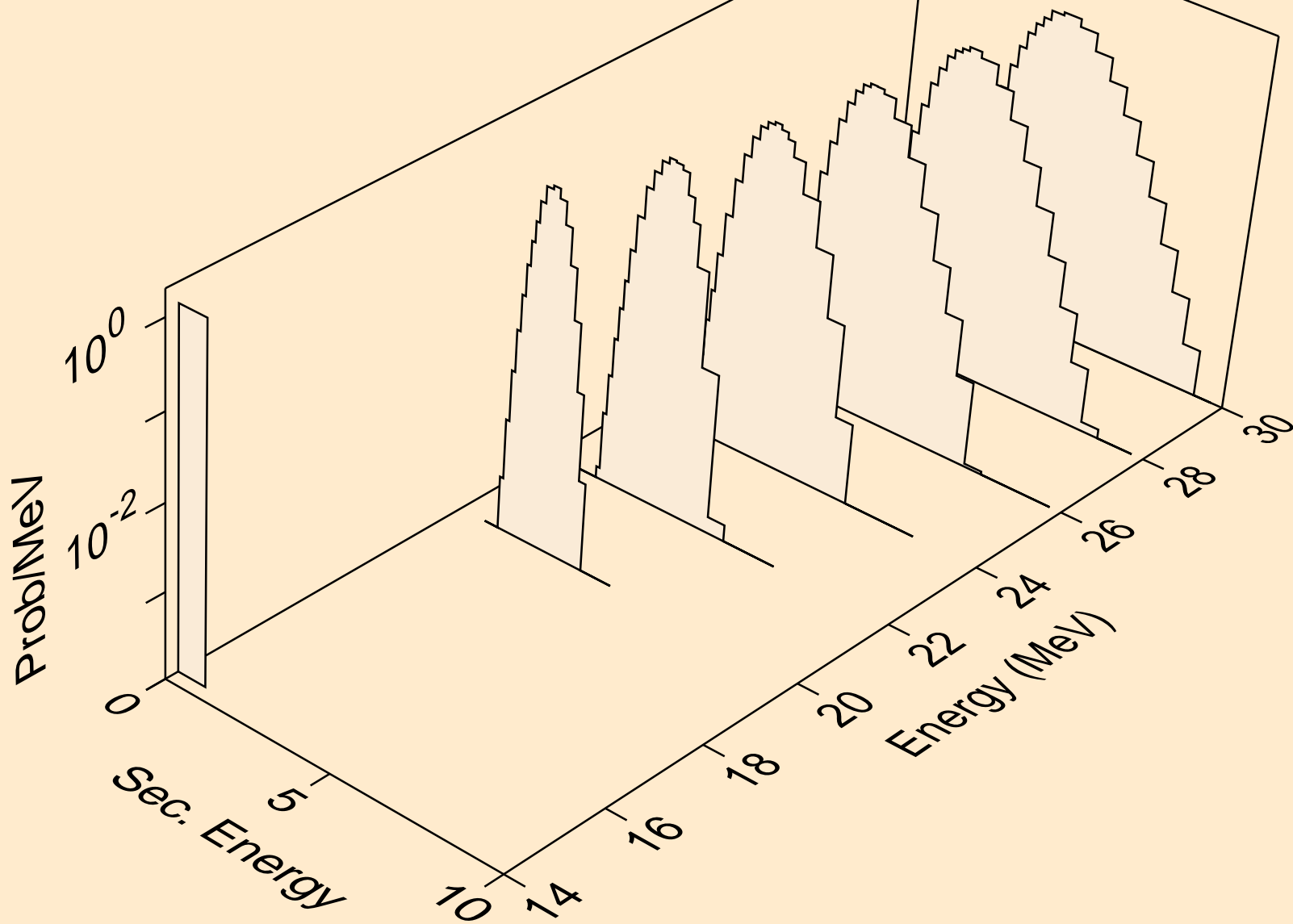
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protons from (a,2p)



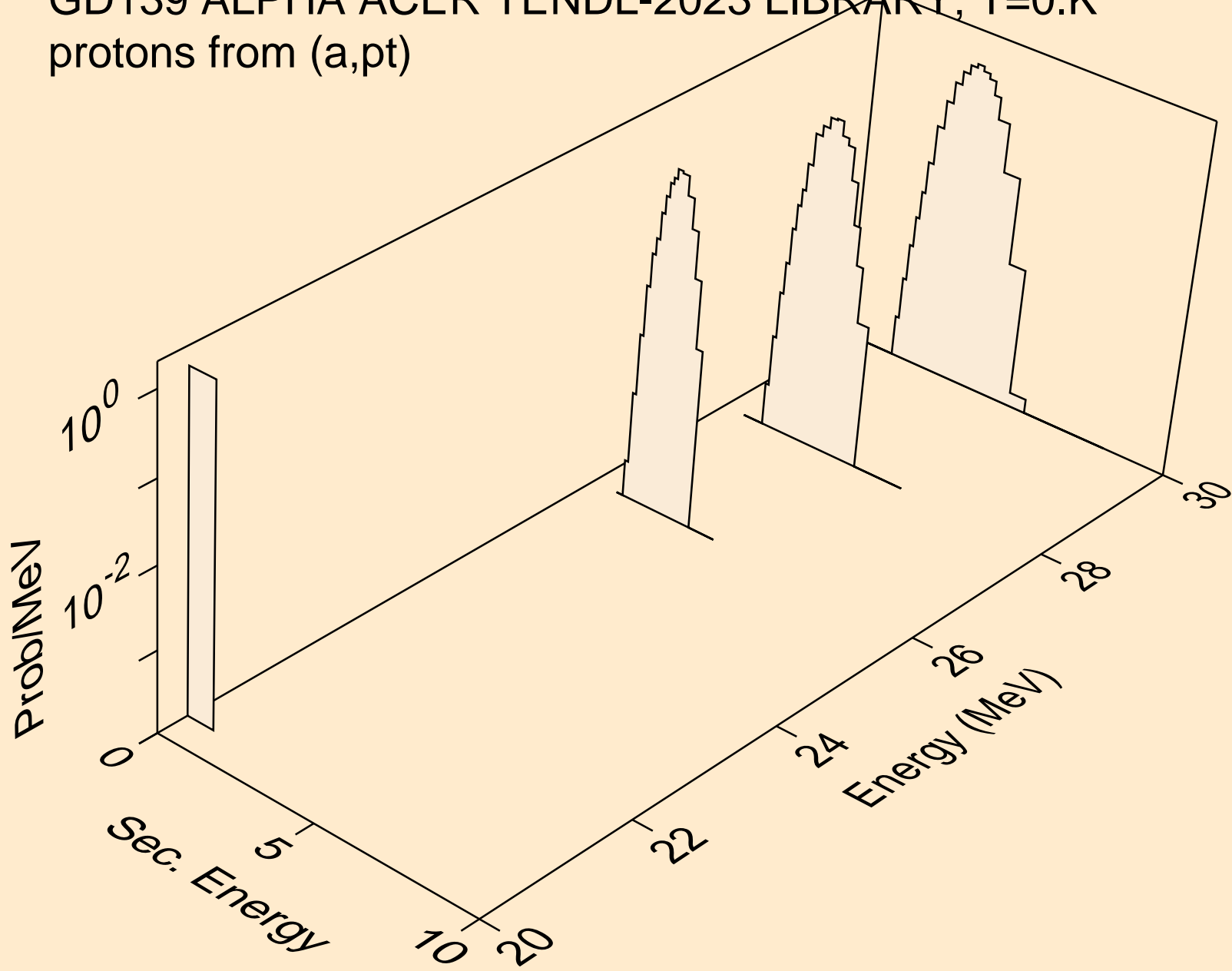
GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,pa)



GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,pd)

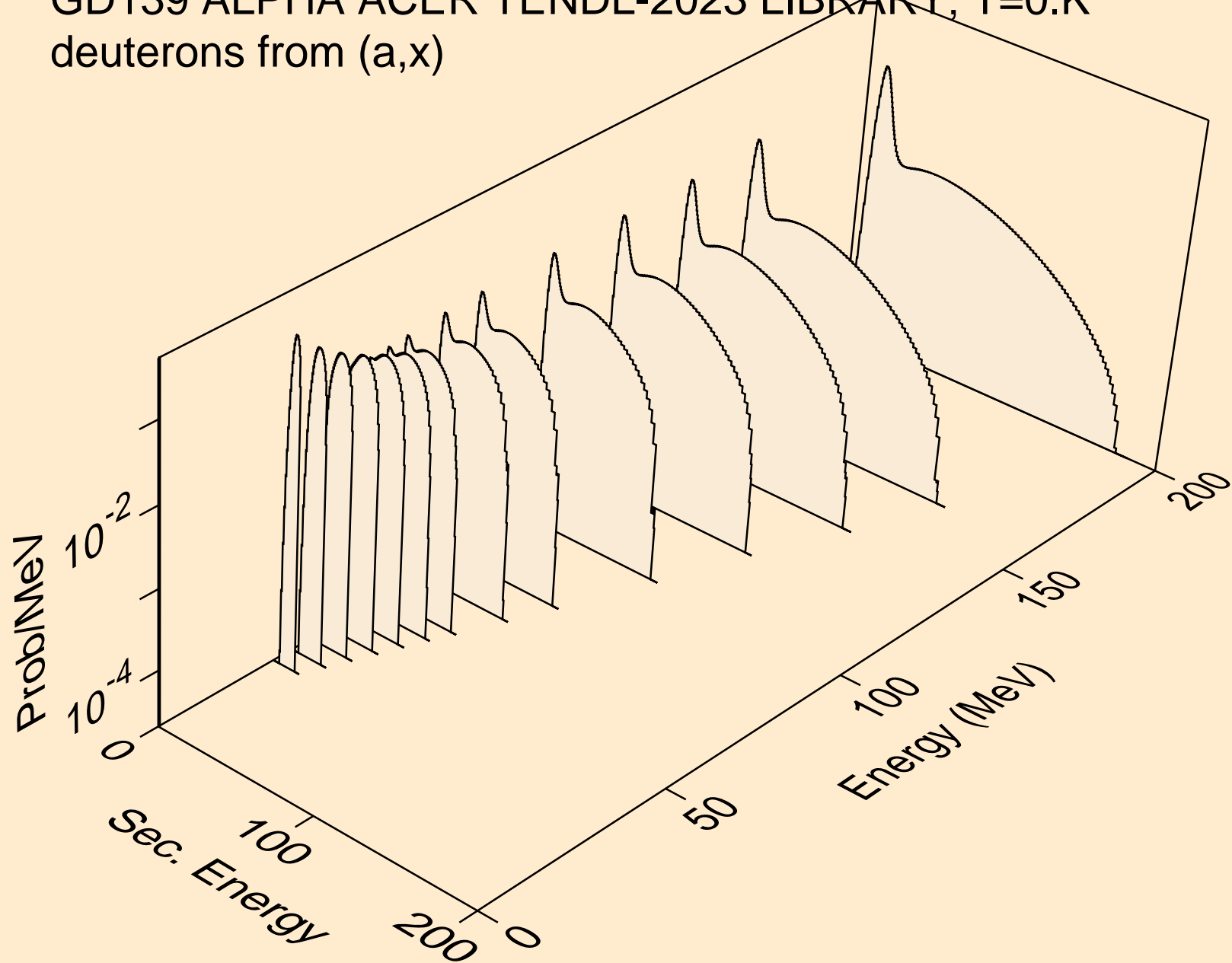


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protons from (a,pt)

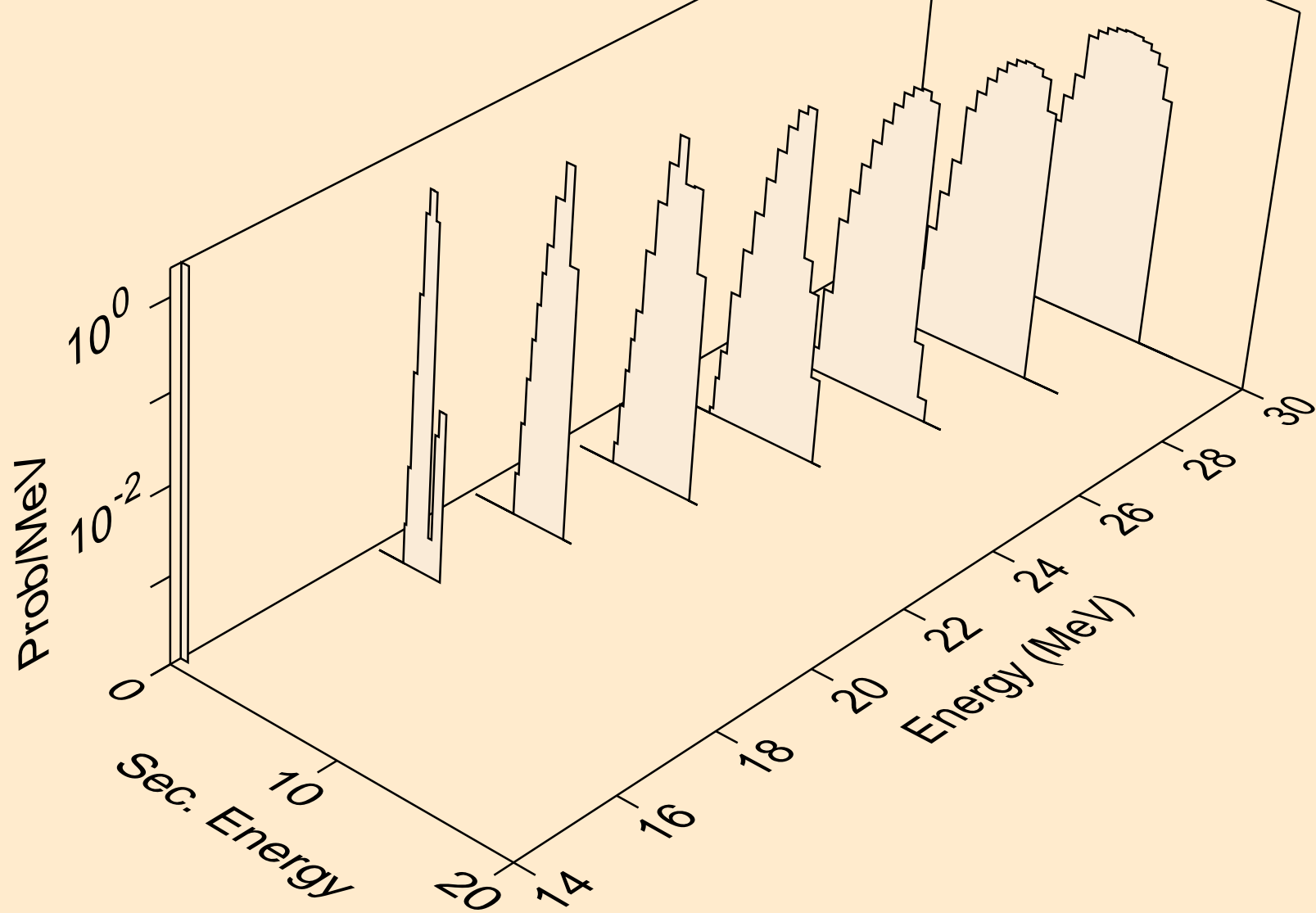




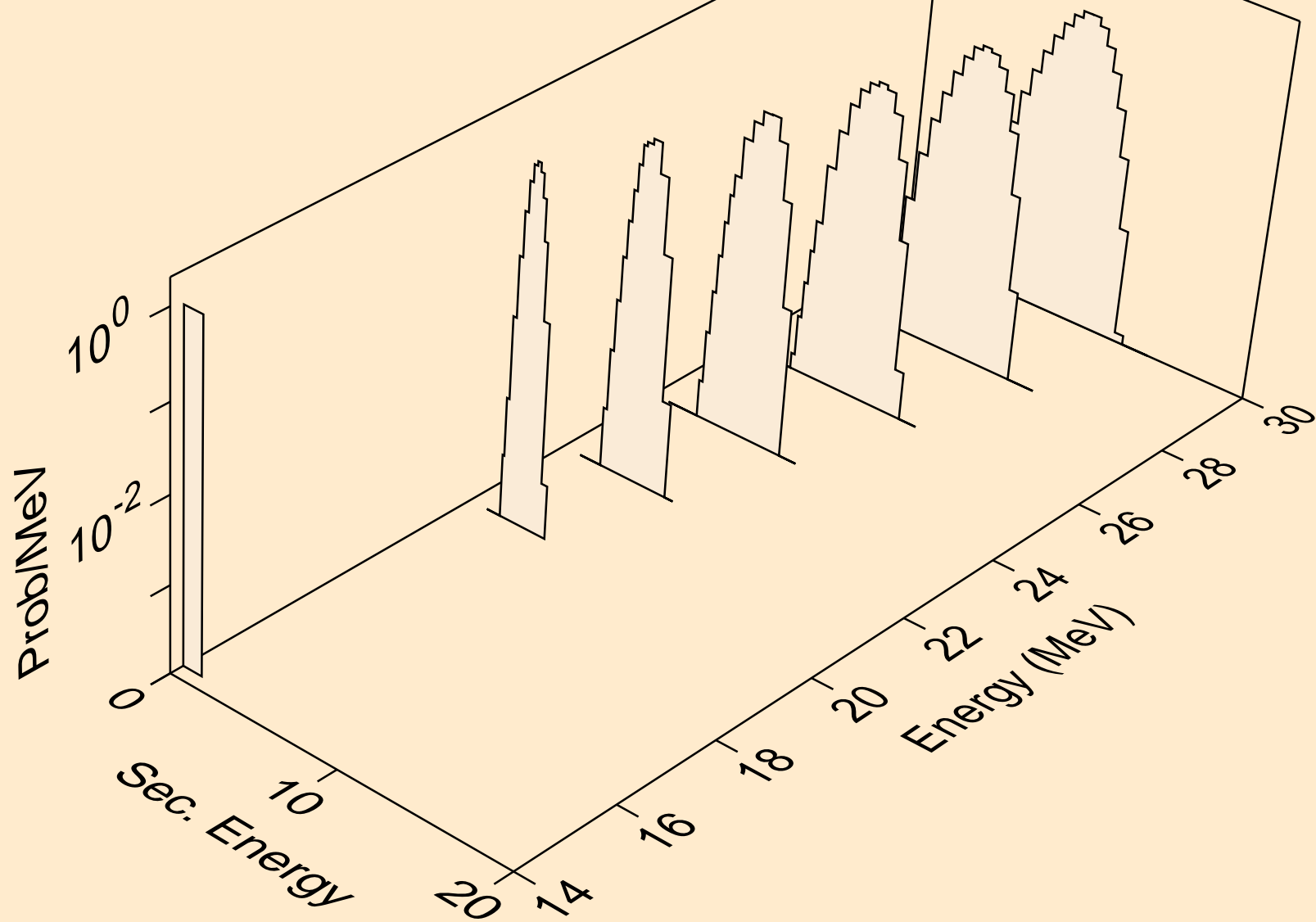
GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,x)



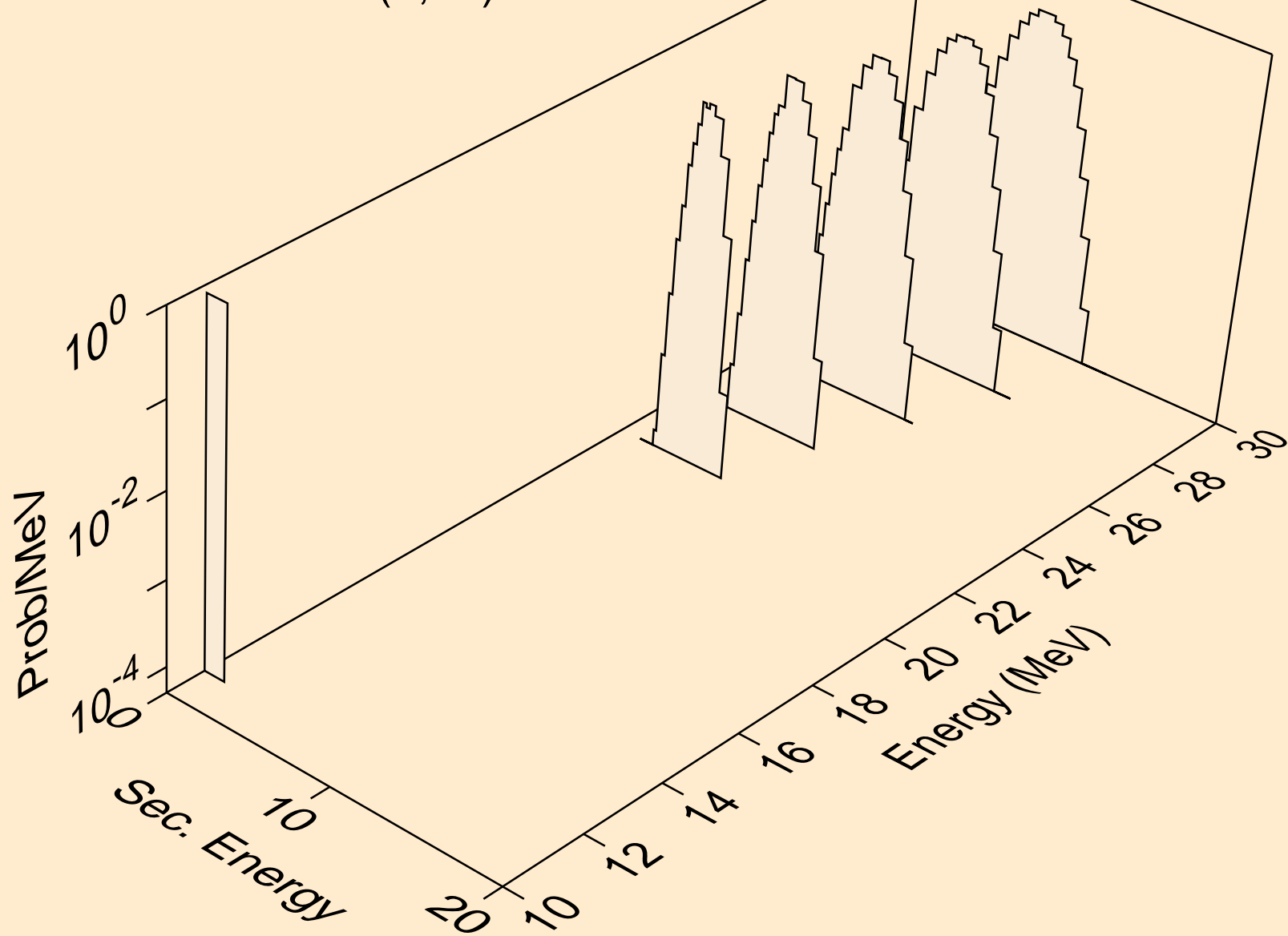
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deuterons from (a,d)



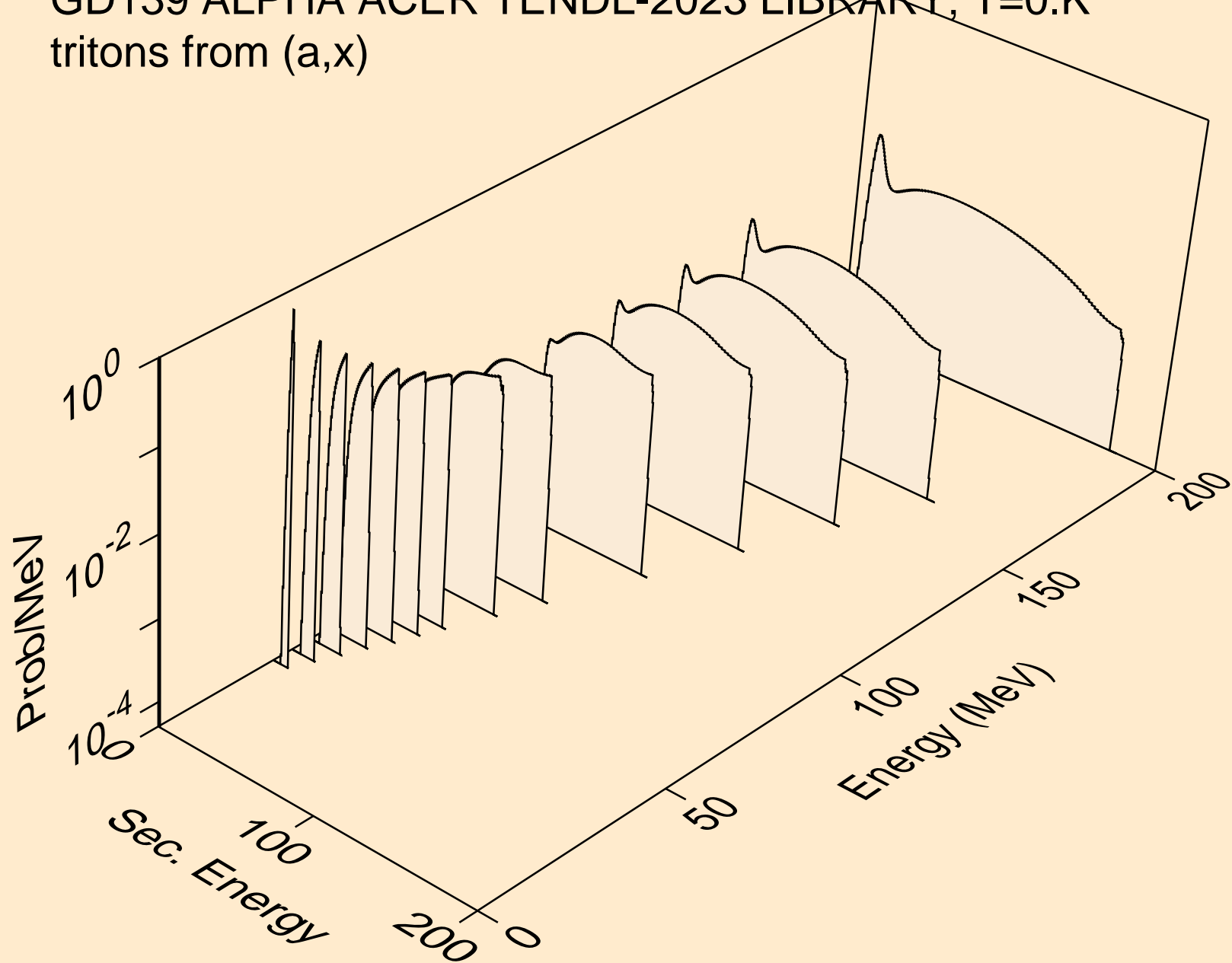
GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,pd)



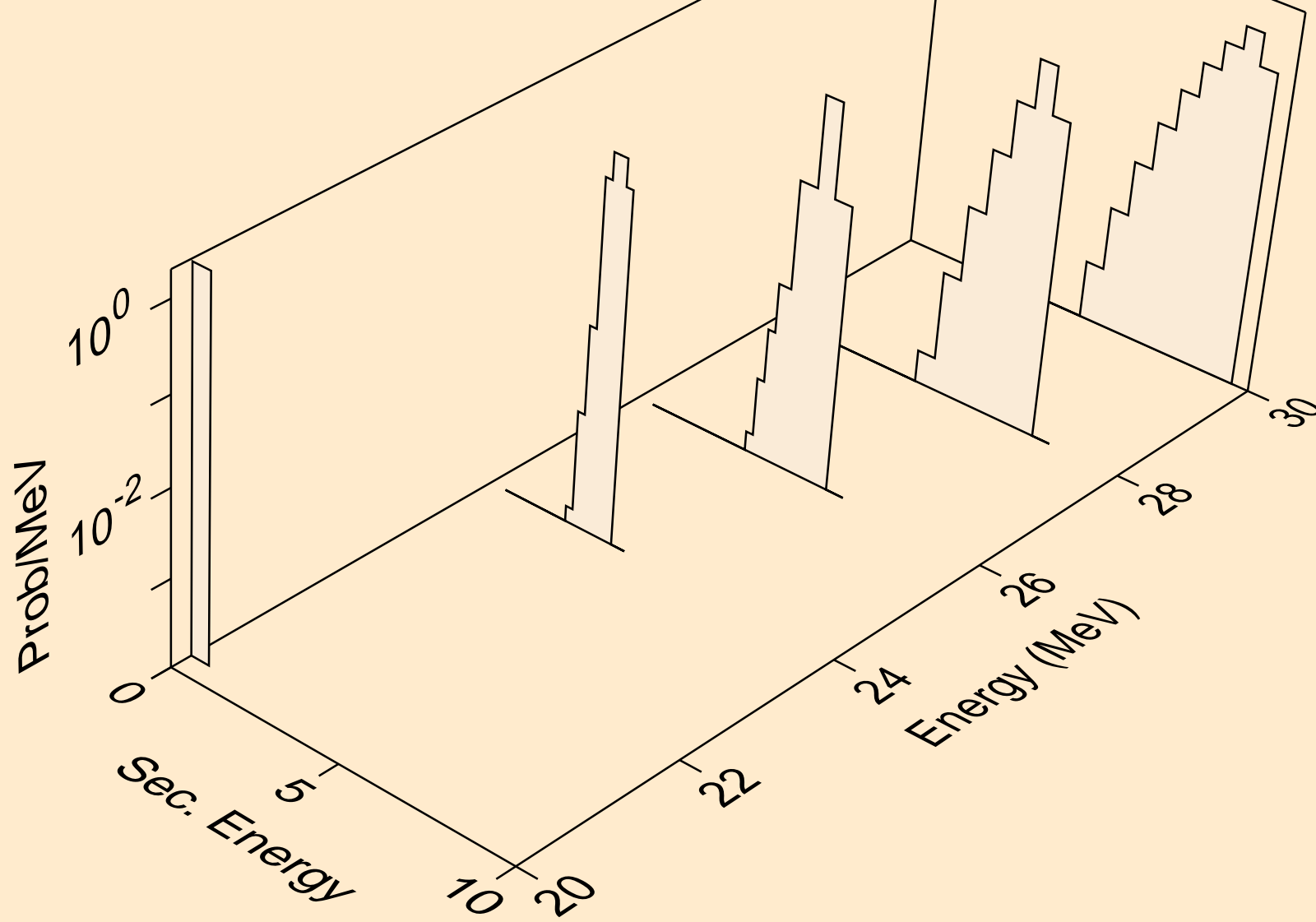
GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,da)



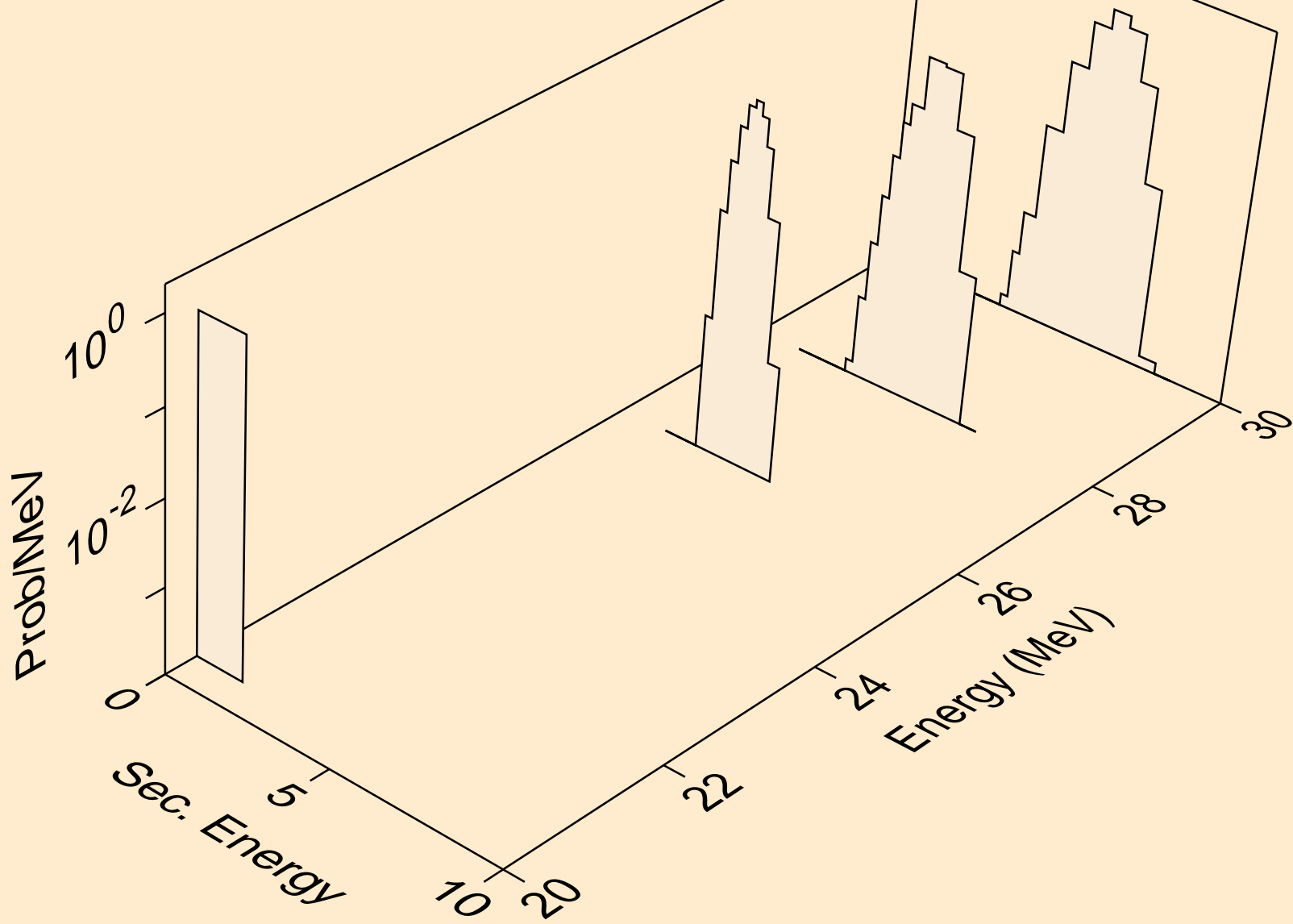
GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,x)



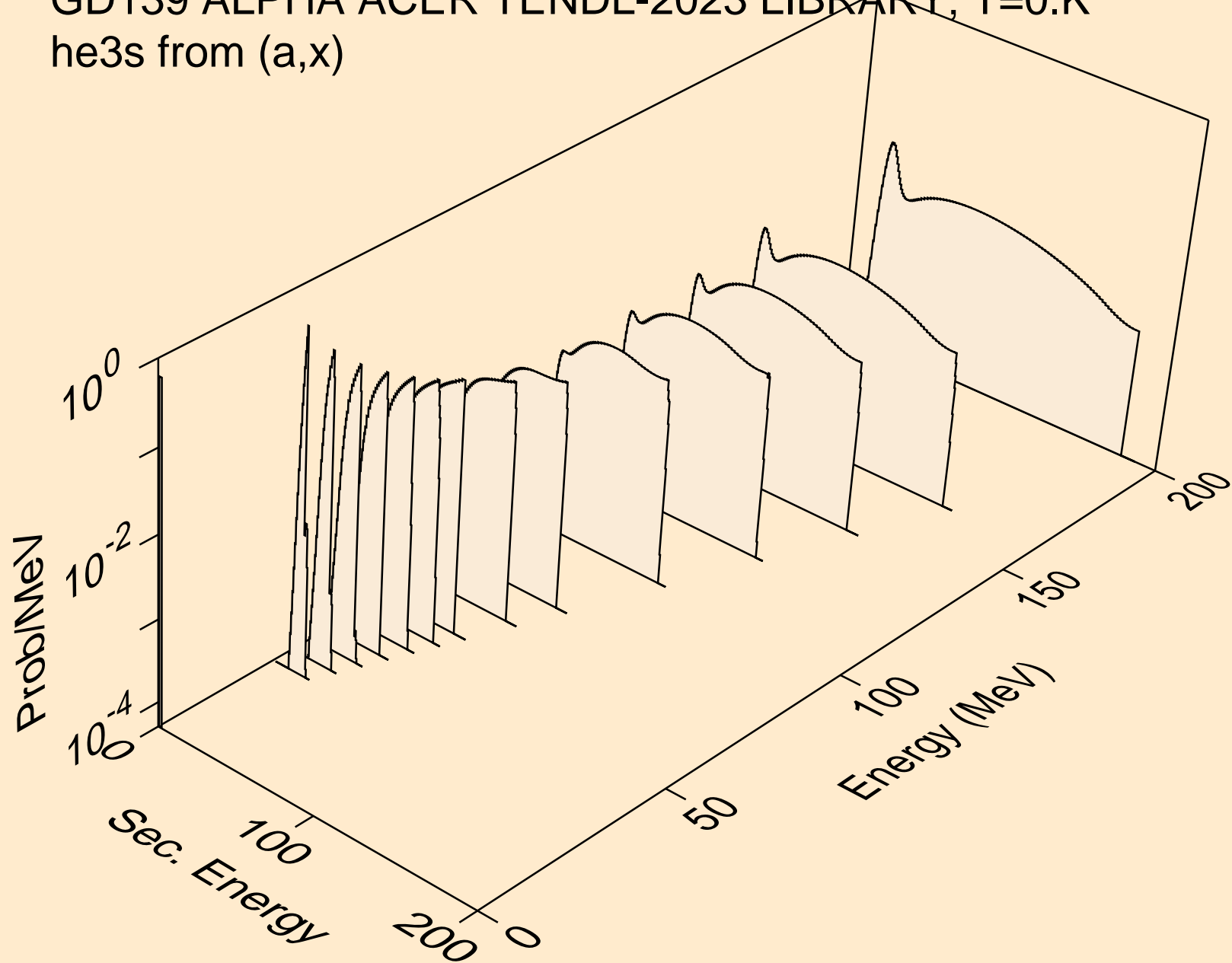
GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,t)



GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,pt)



GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,x)





GD139 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,he3)

