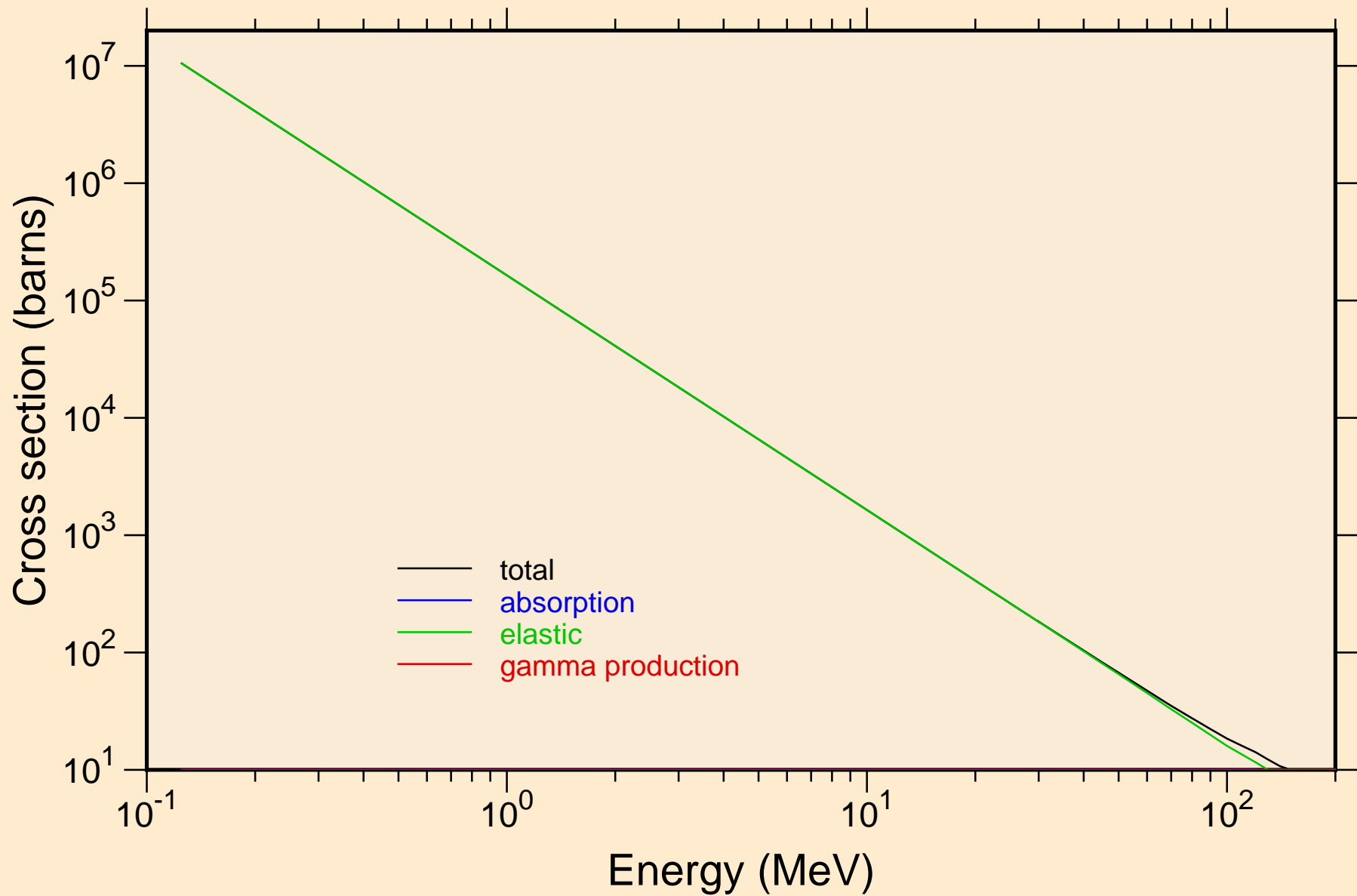


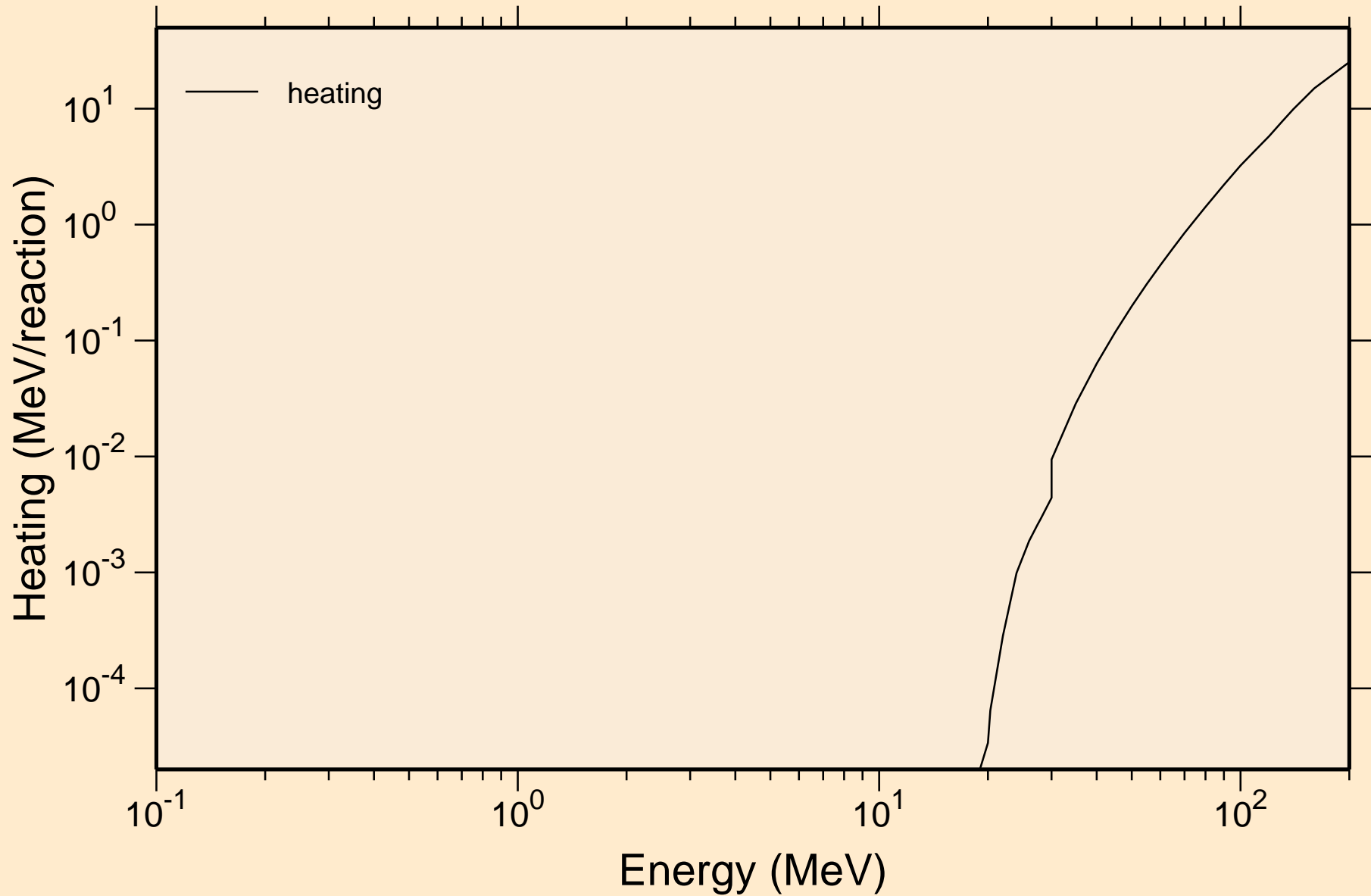
# HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



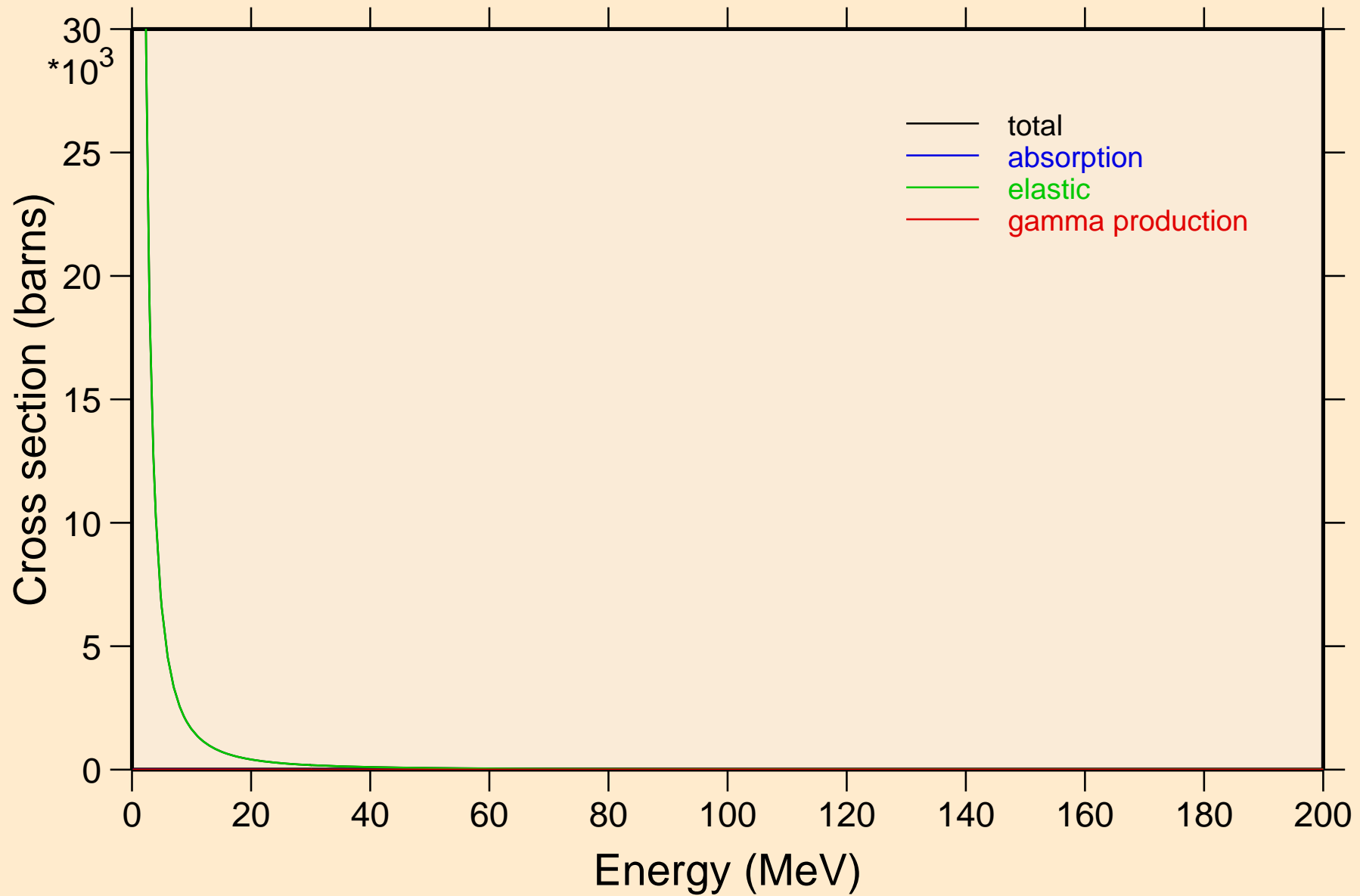
# HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

## Heating



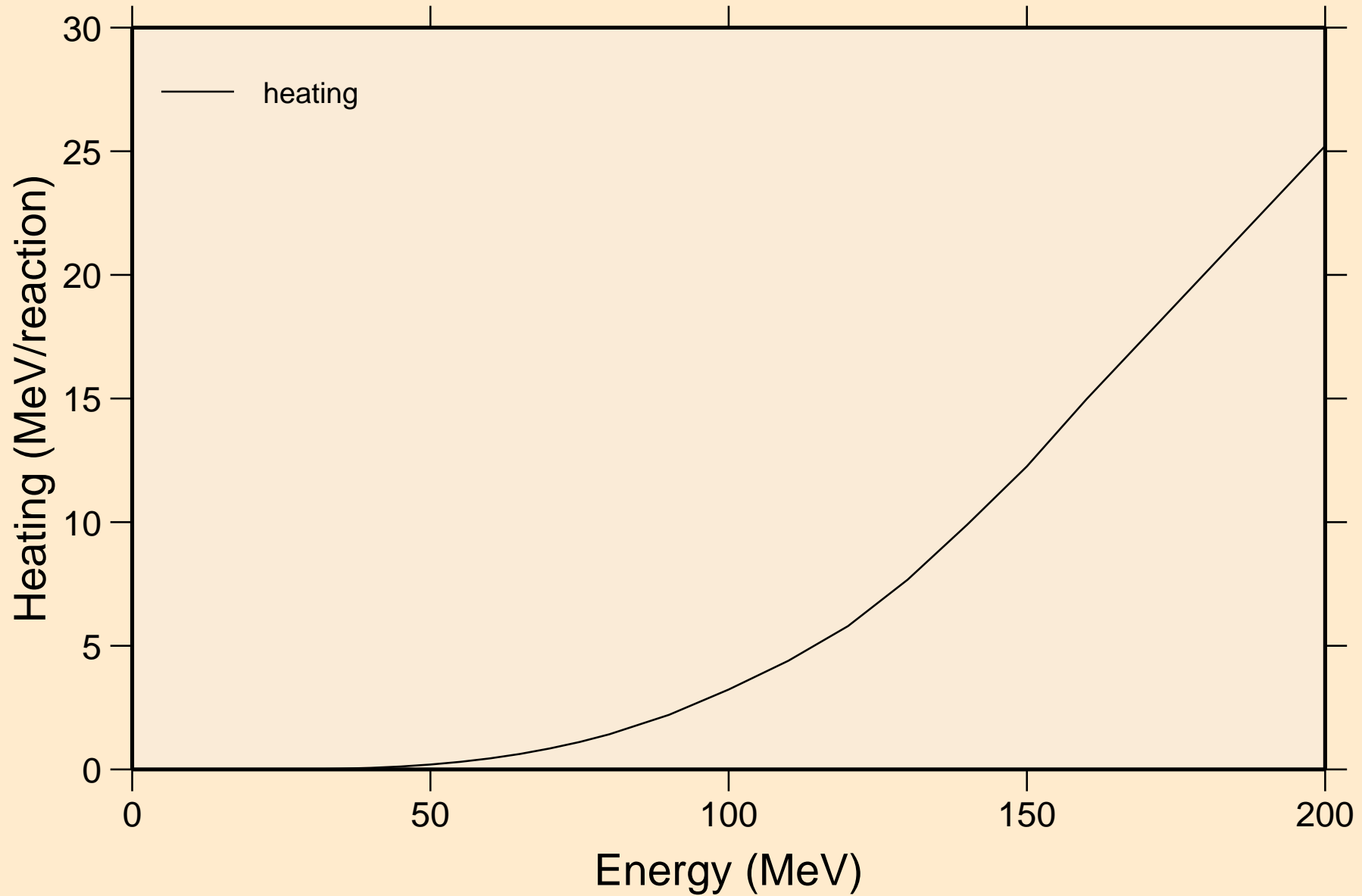
# HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

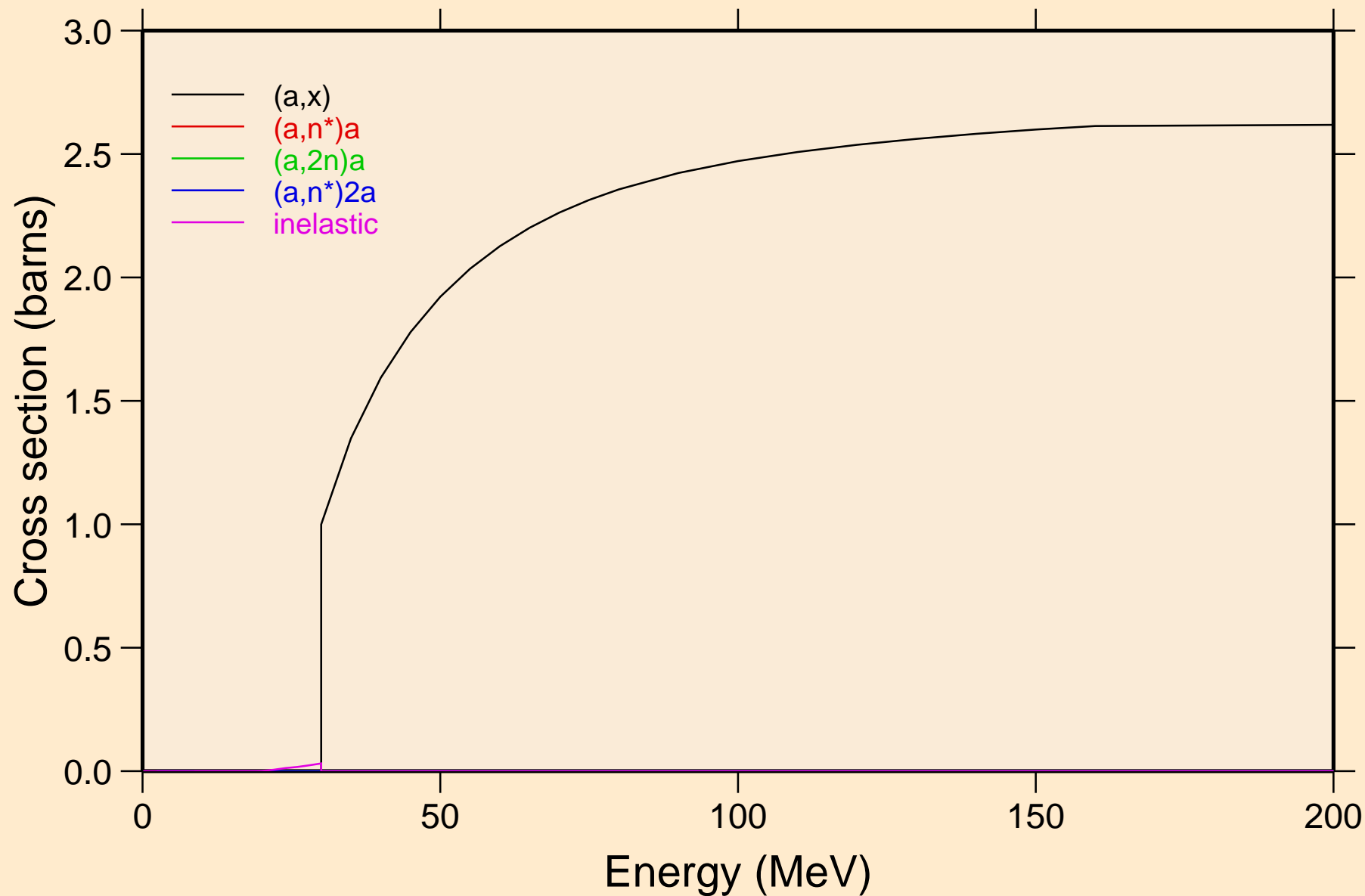


# HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K

## Heating

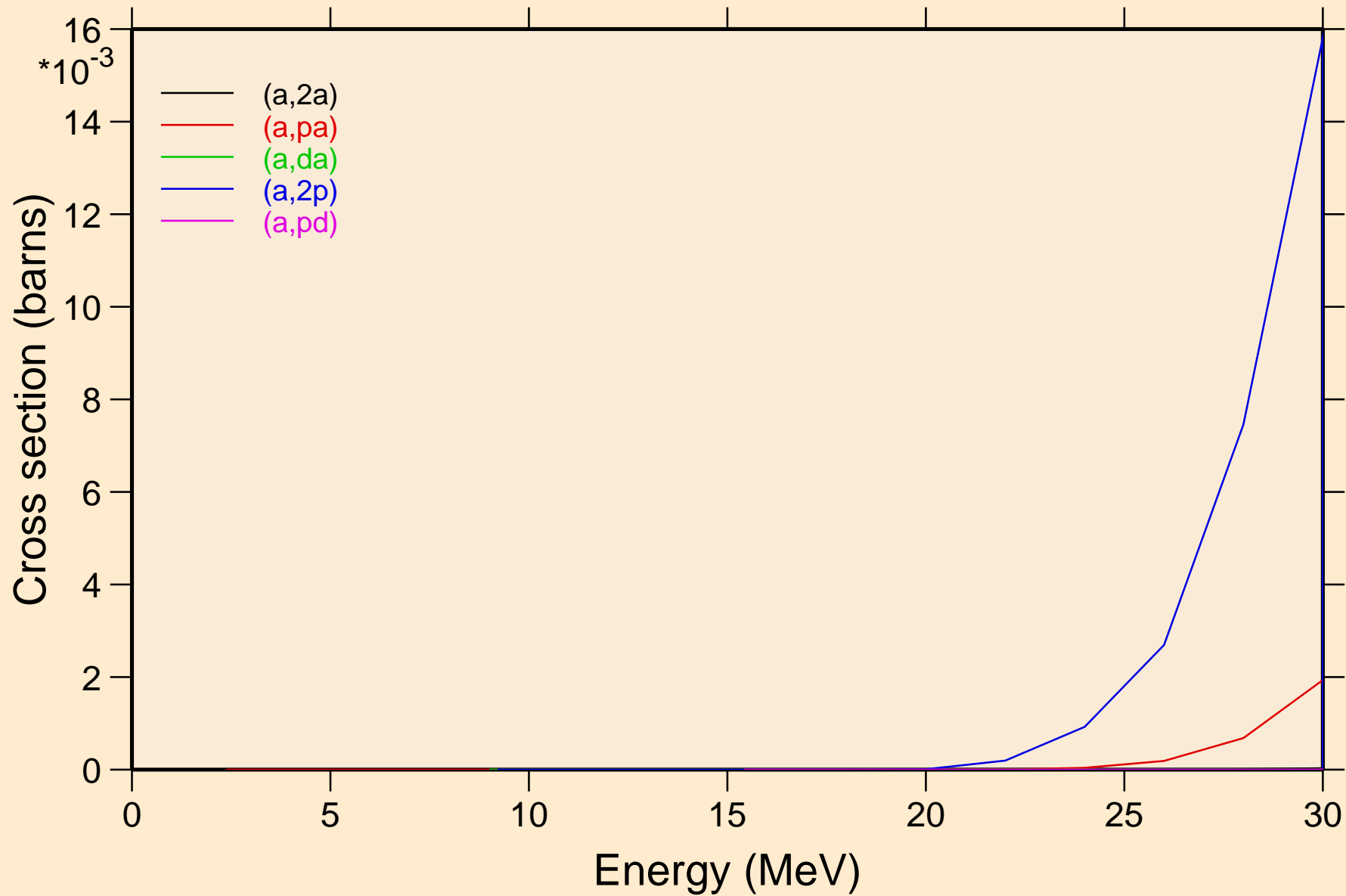


HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

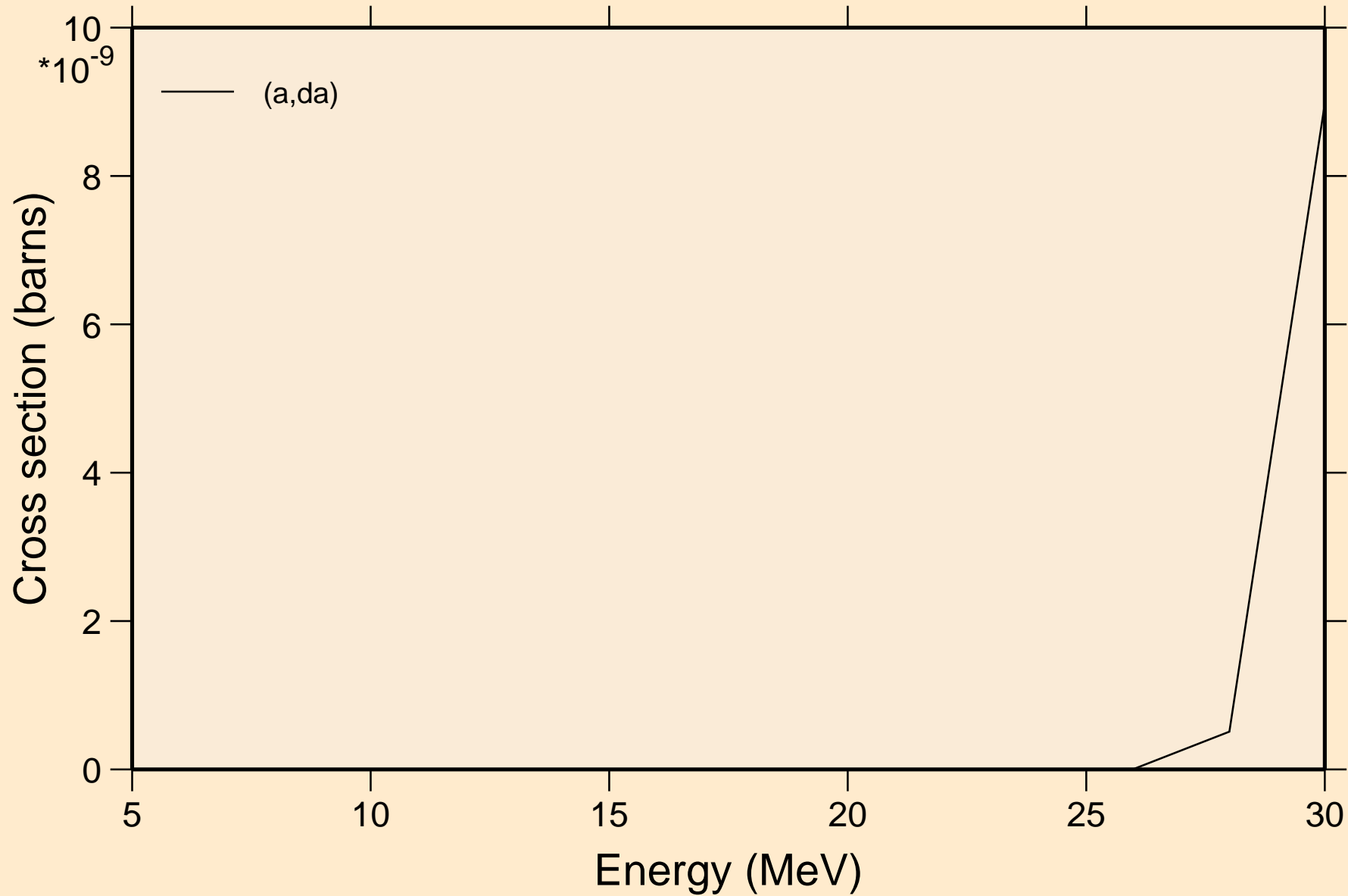


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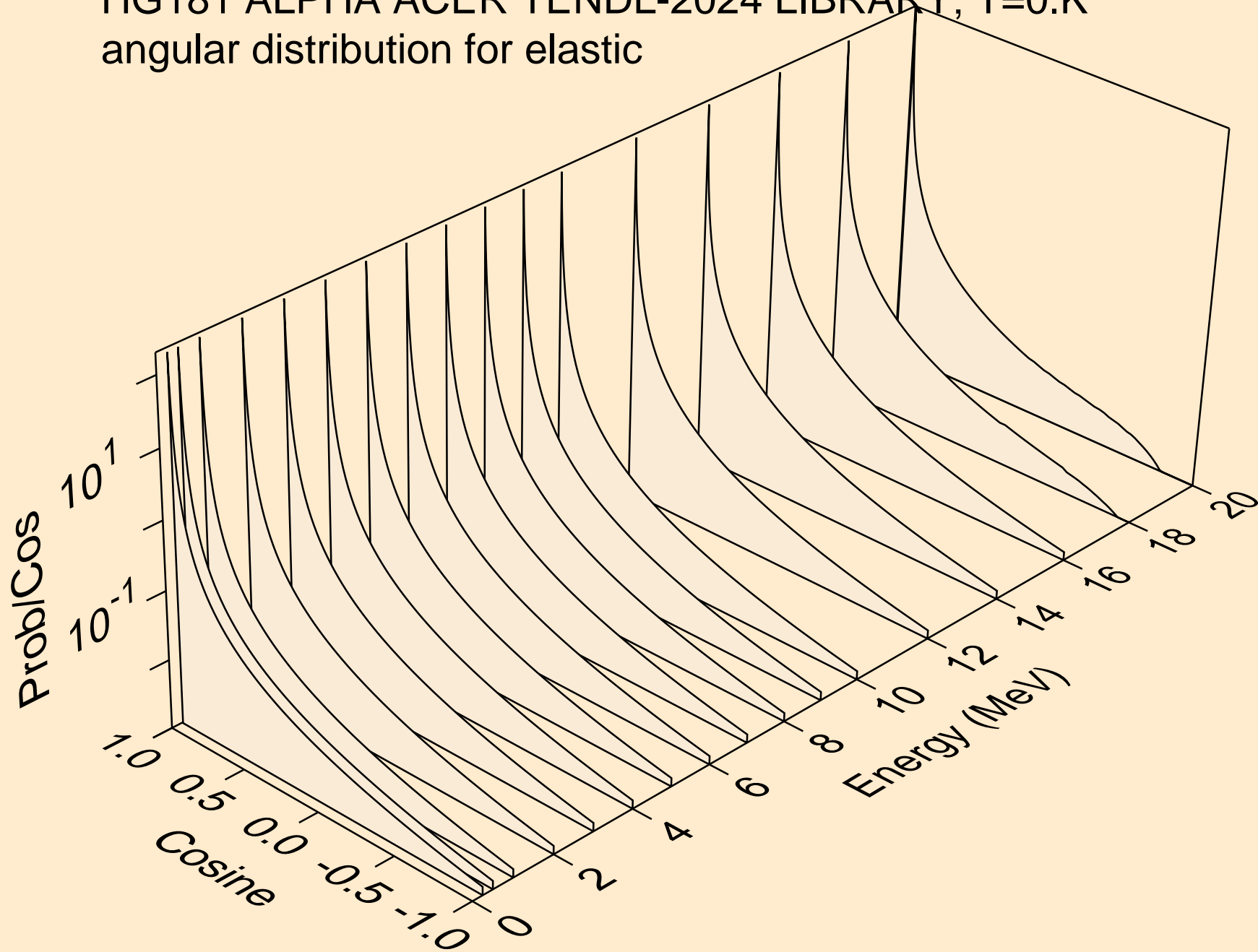
## Threshold reactions



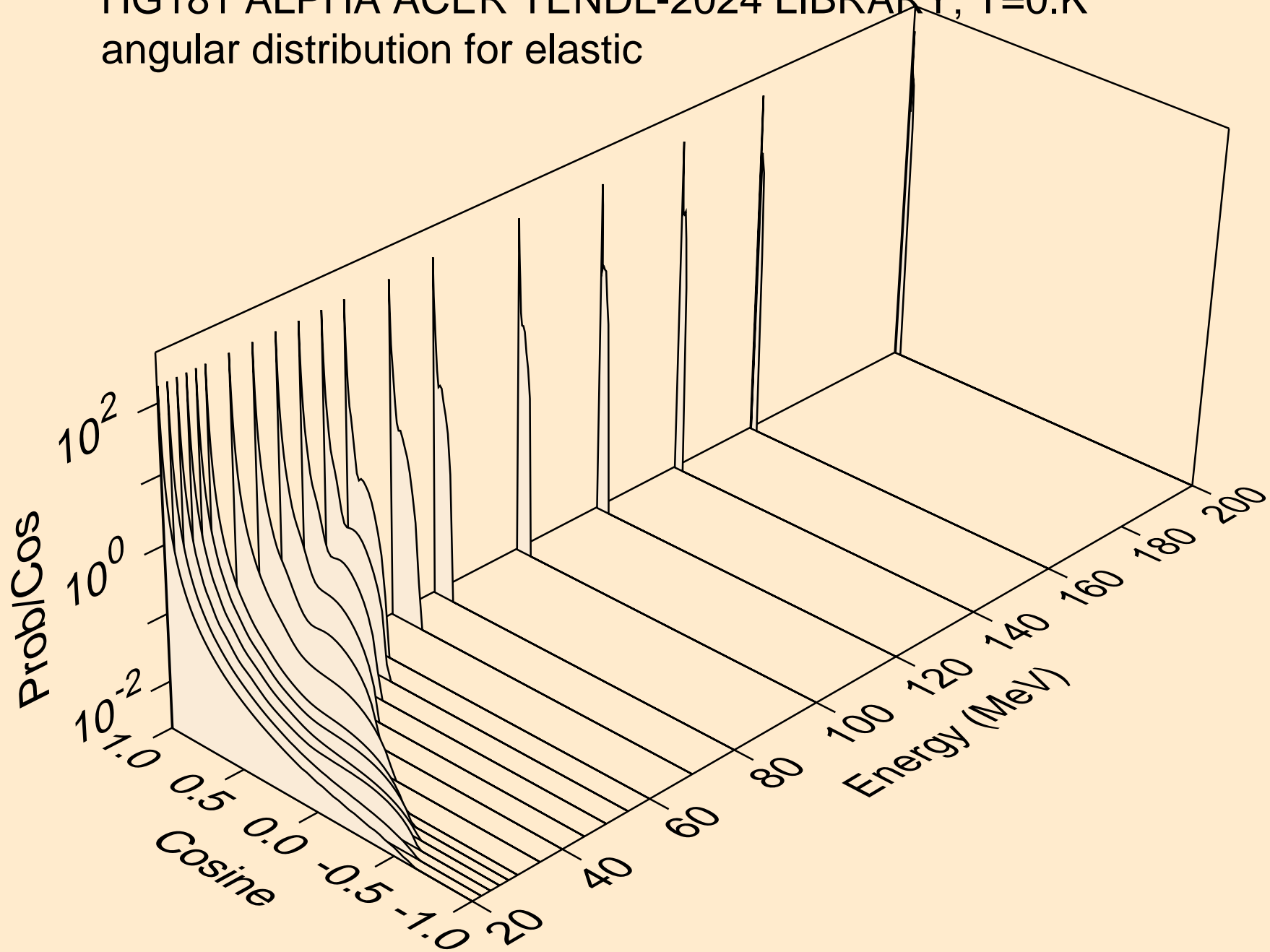
HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



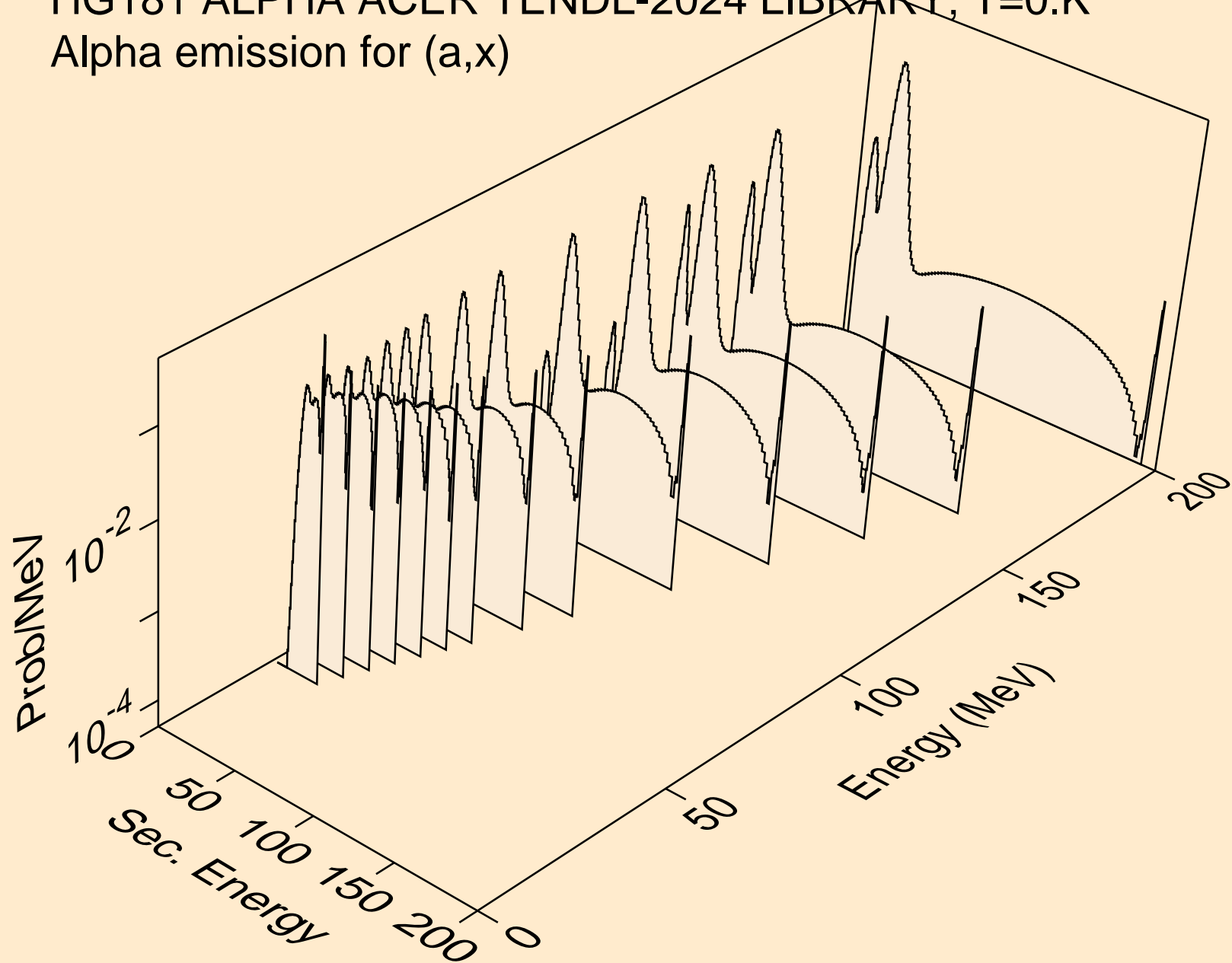
HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



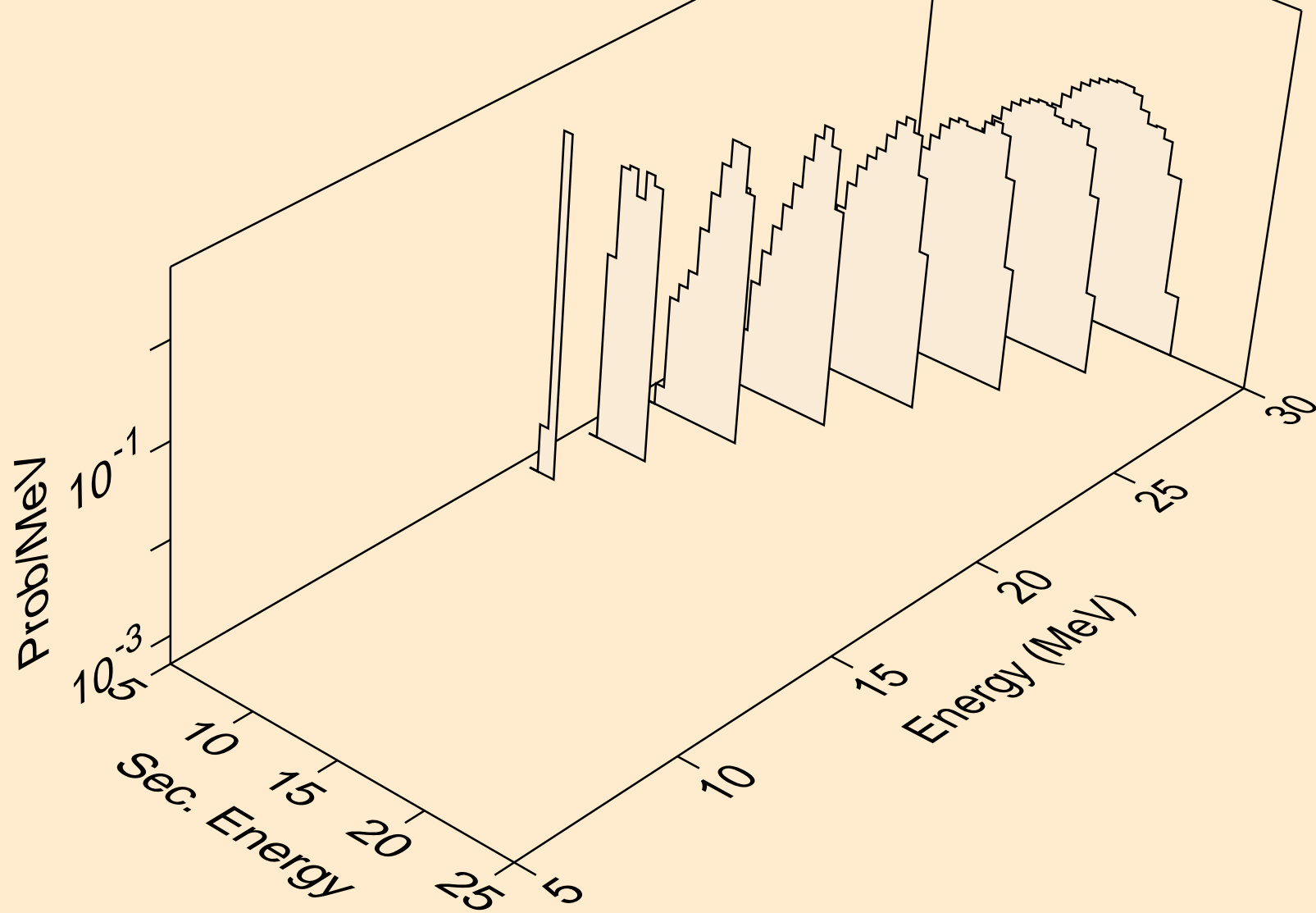
HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



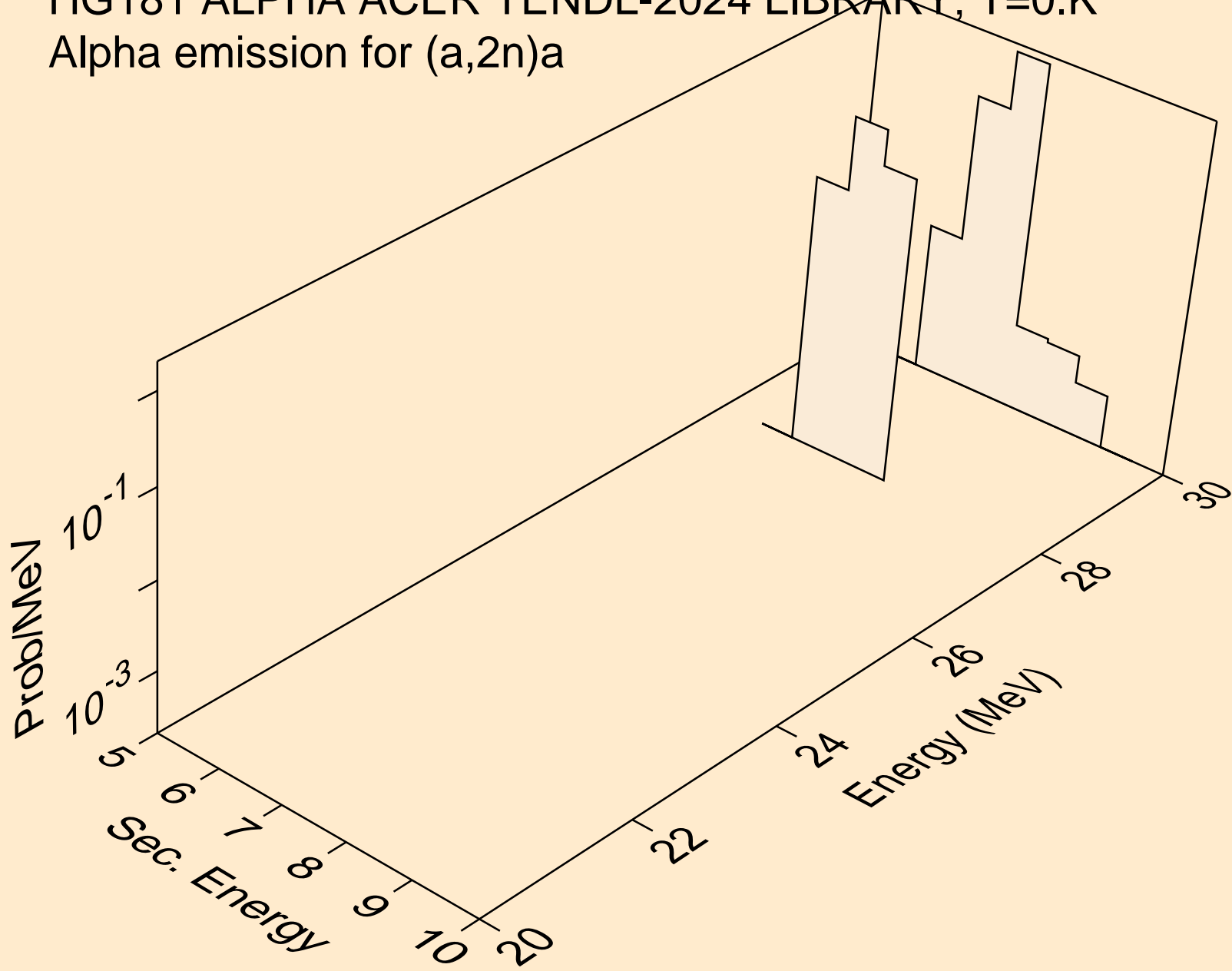
HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for (a,x)



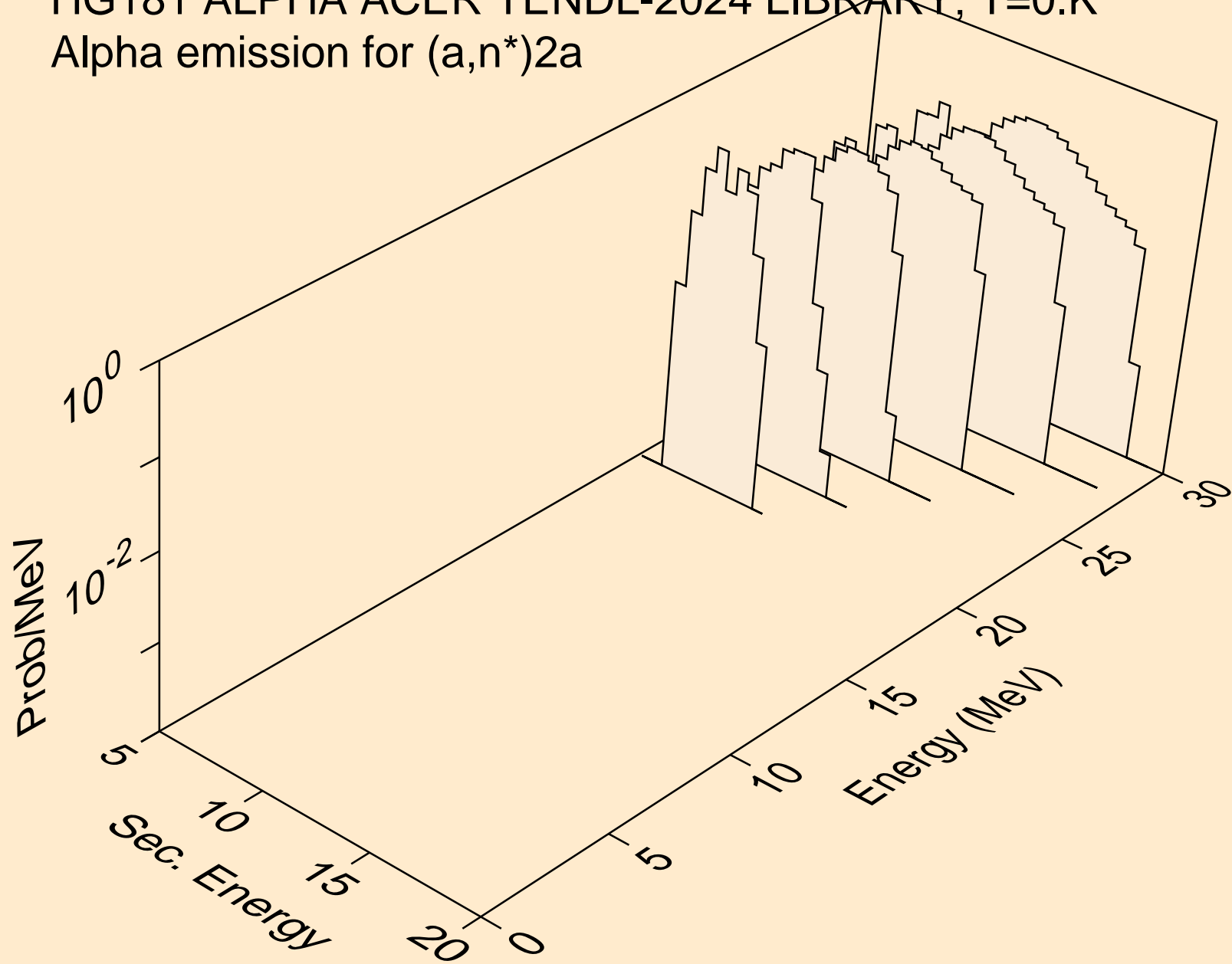
HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a



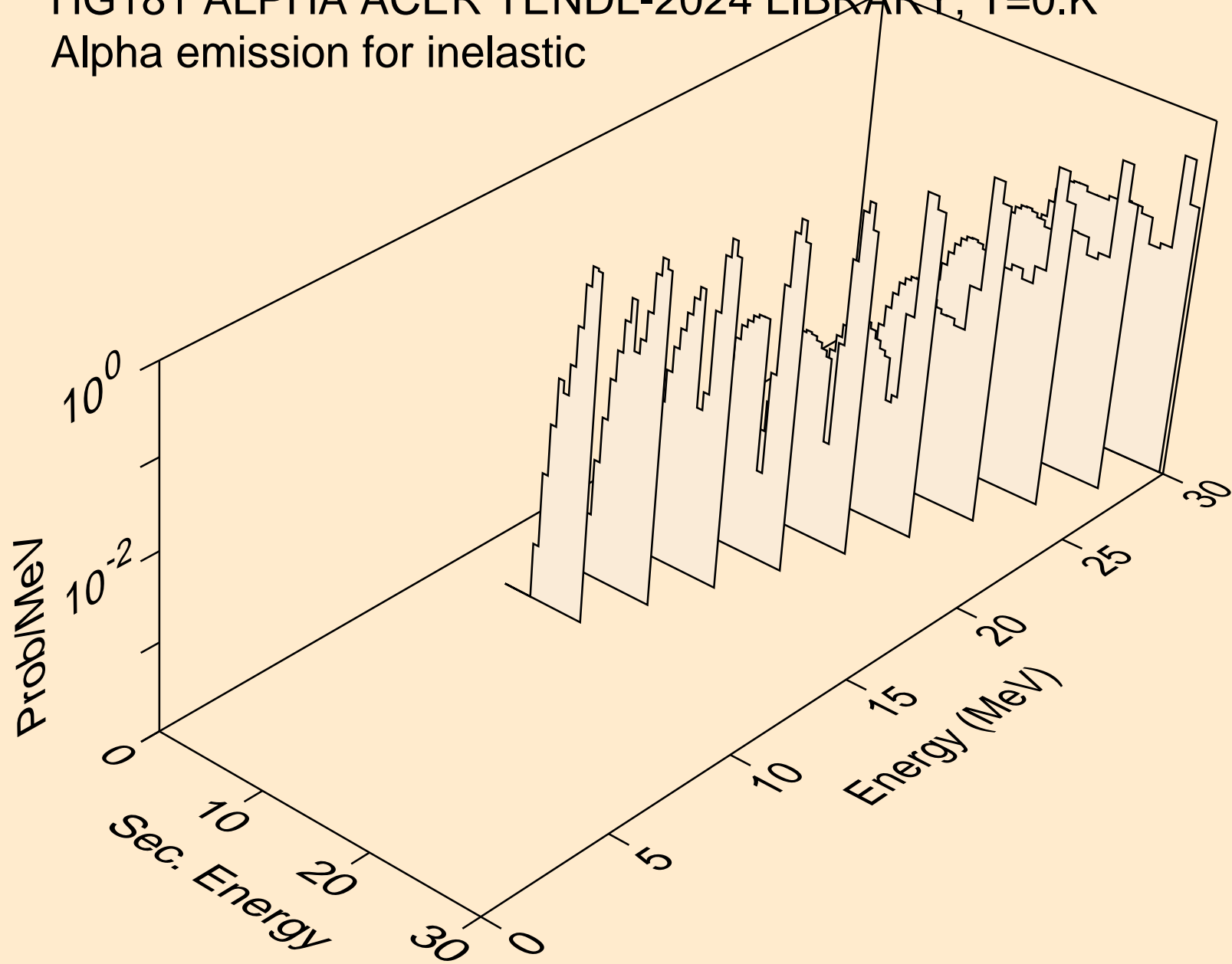
HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for (a,2n)a



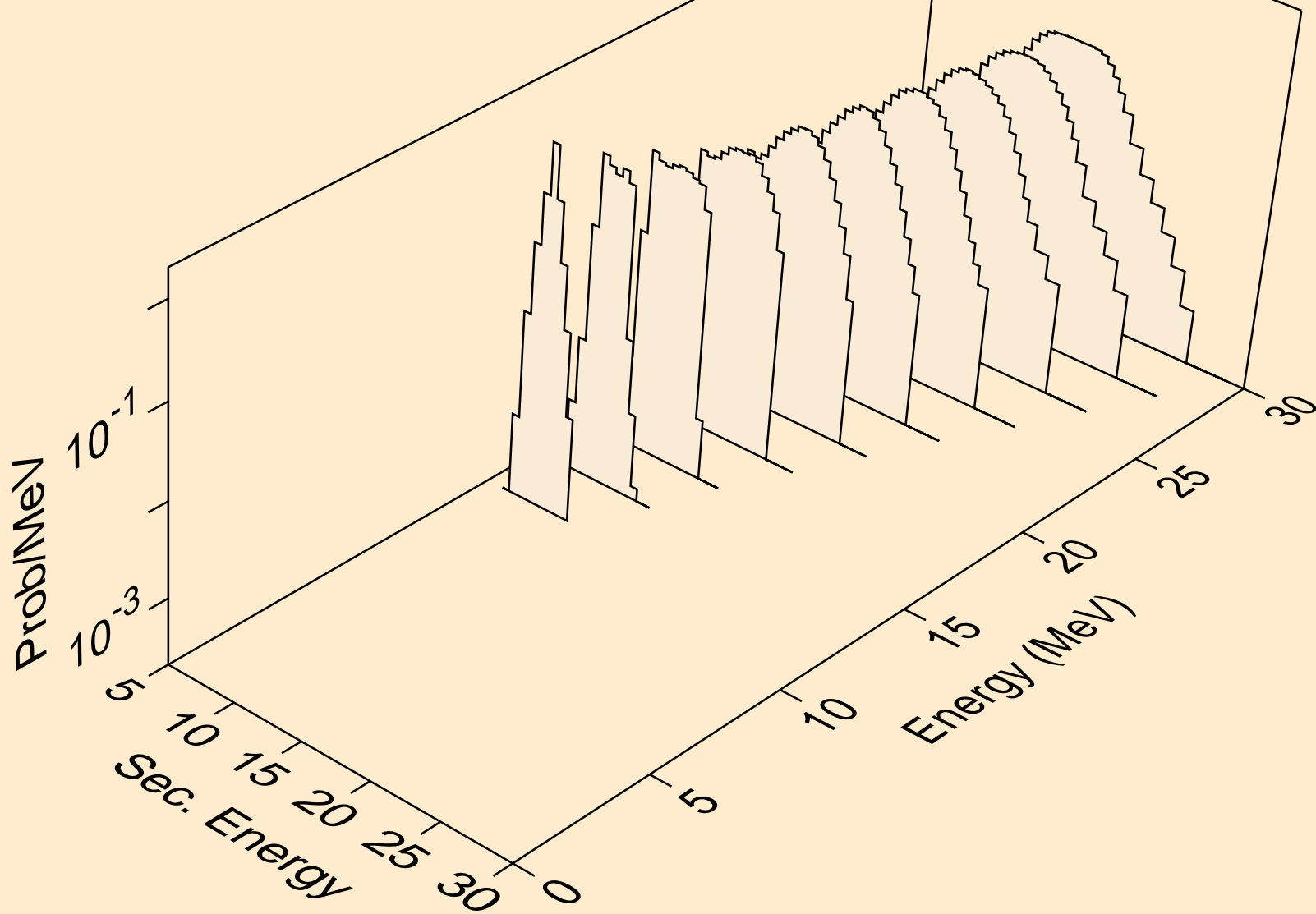
HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for (a,n\*)2a



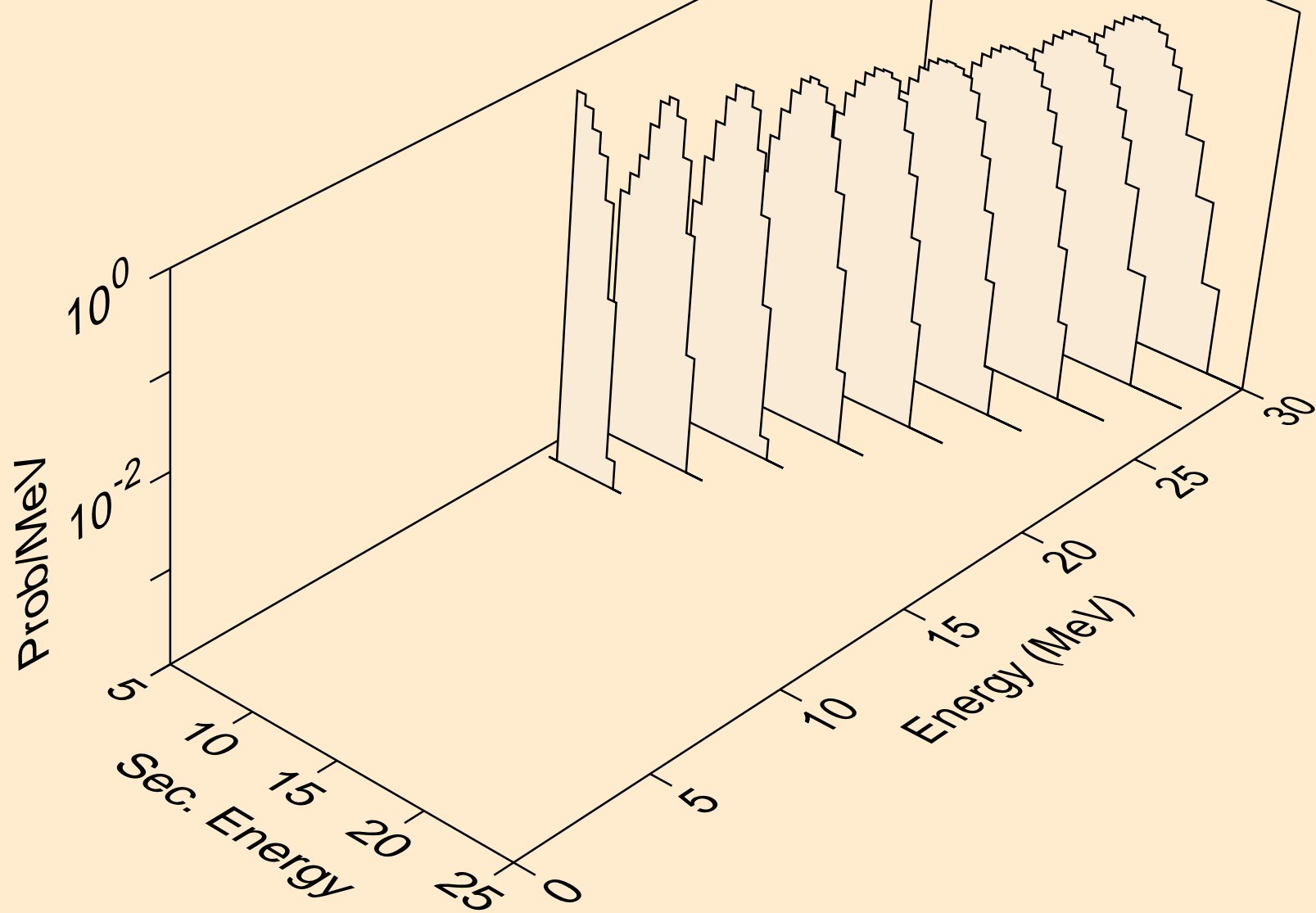
HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for inelastic



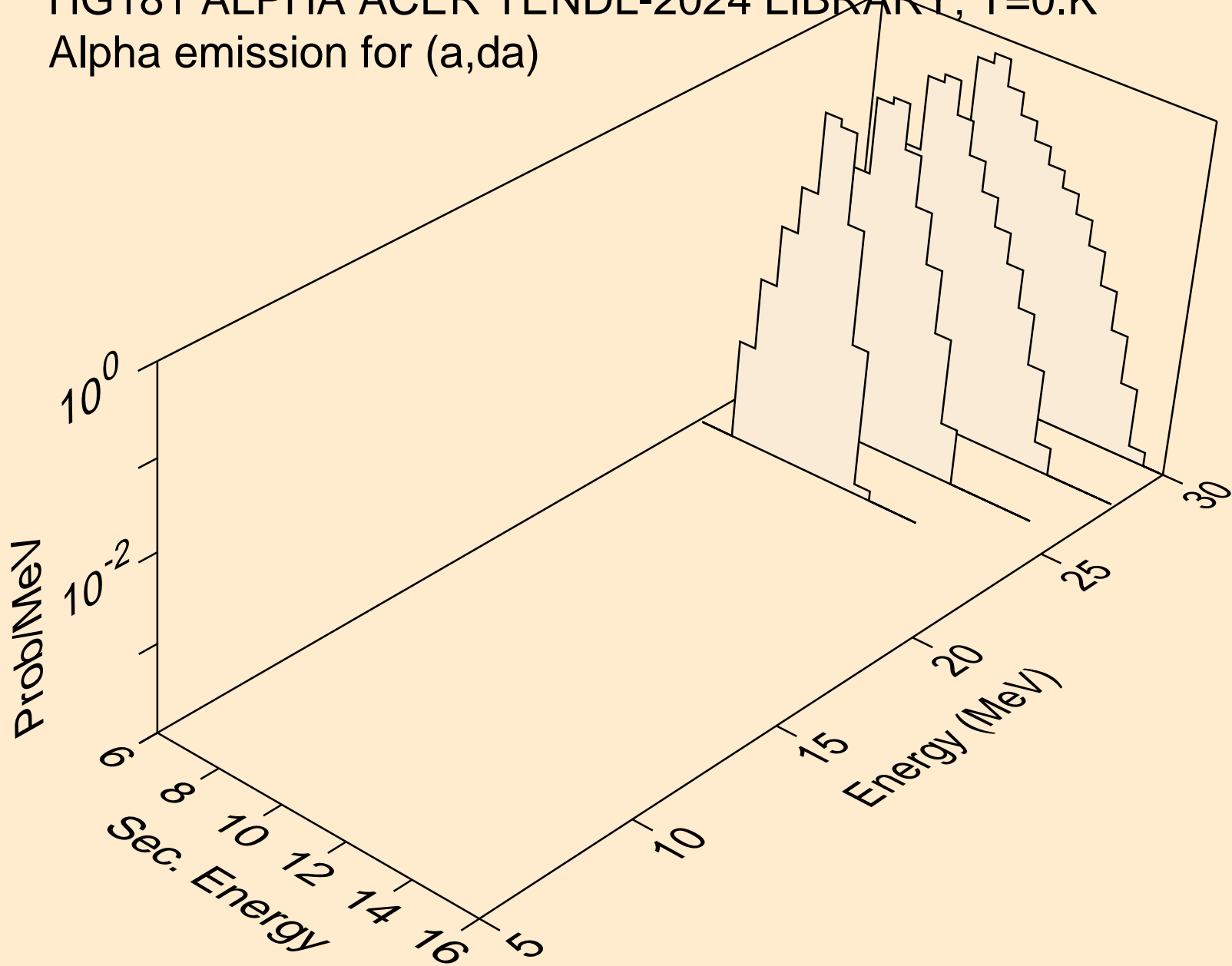
HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for (a,2a)



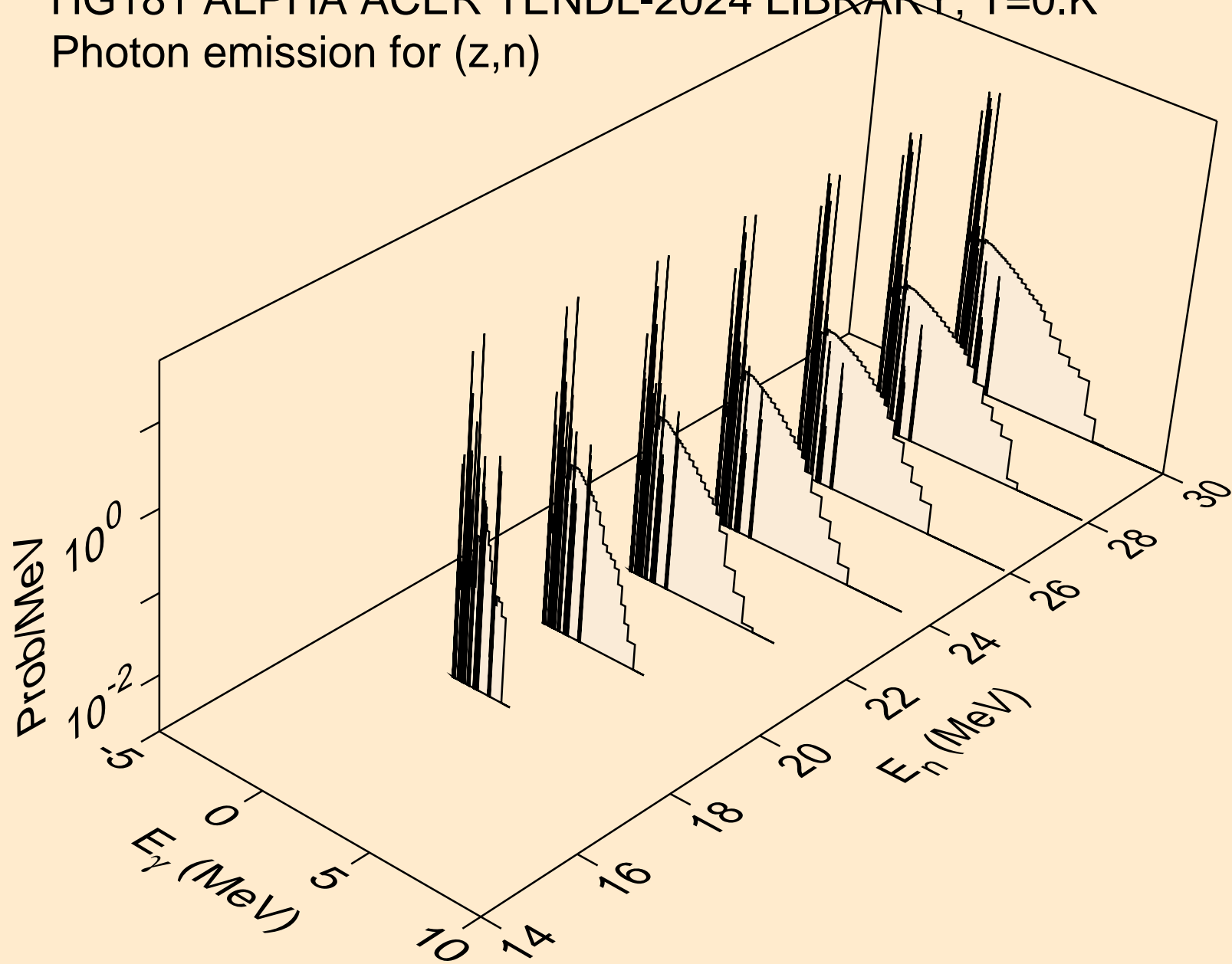
HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Alpha emission for (a,pa)



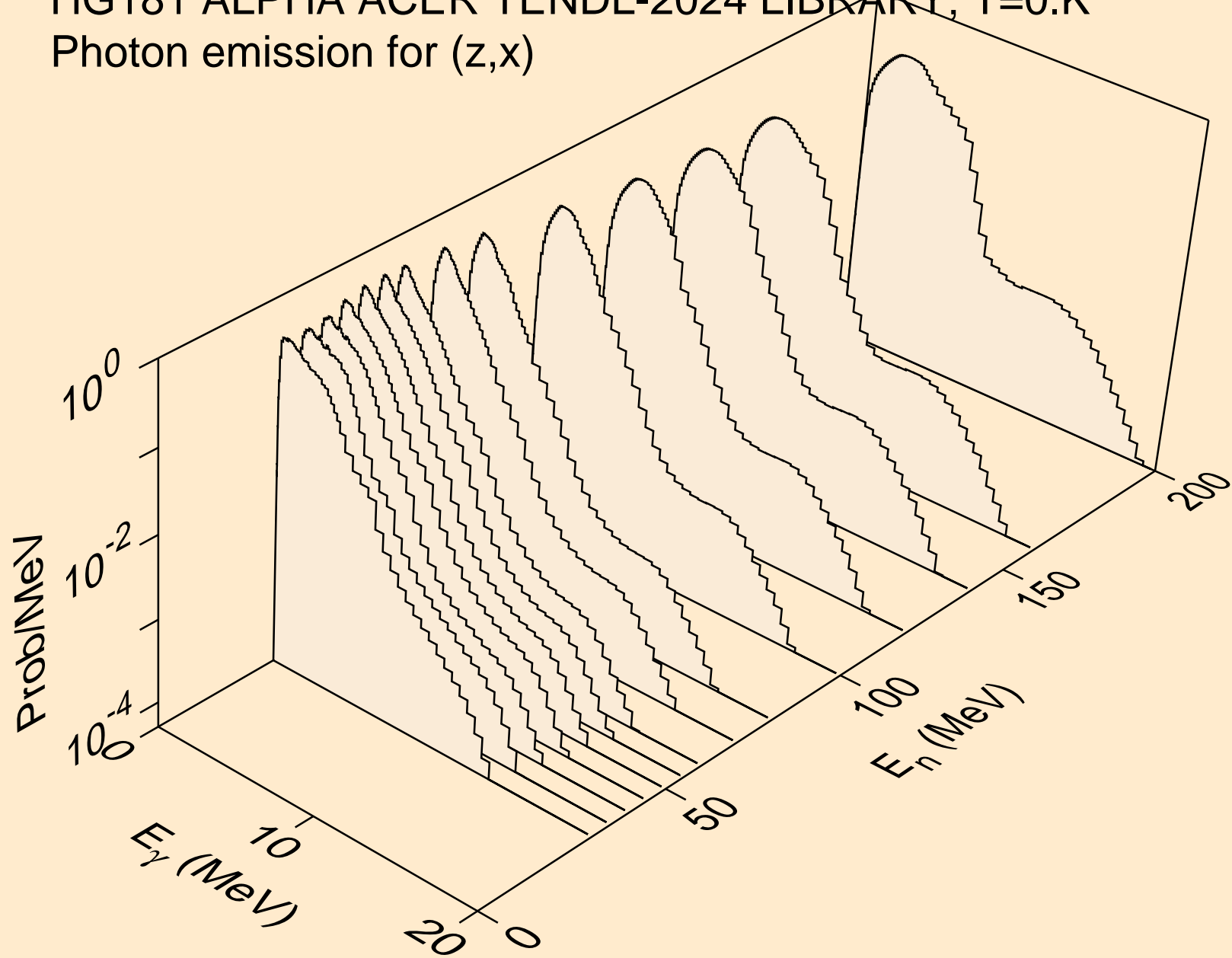
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Alpha emission for (a,da)



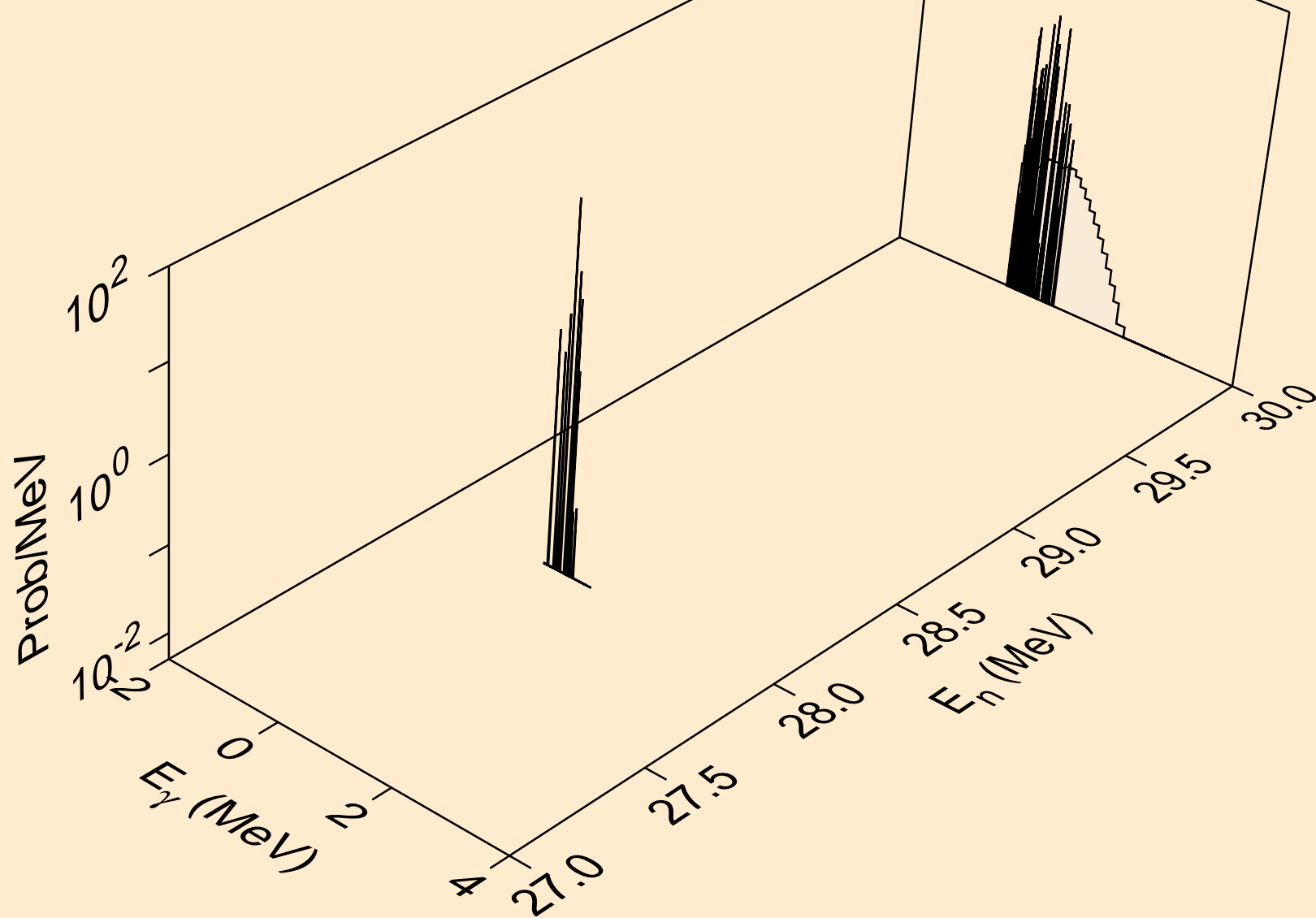
HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,n)



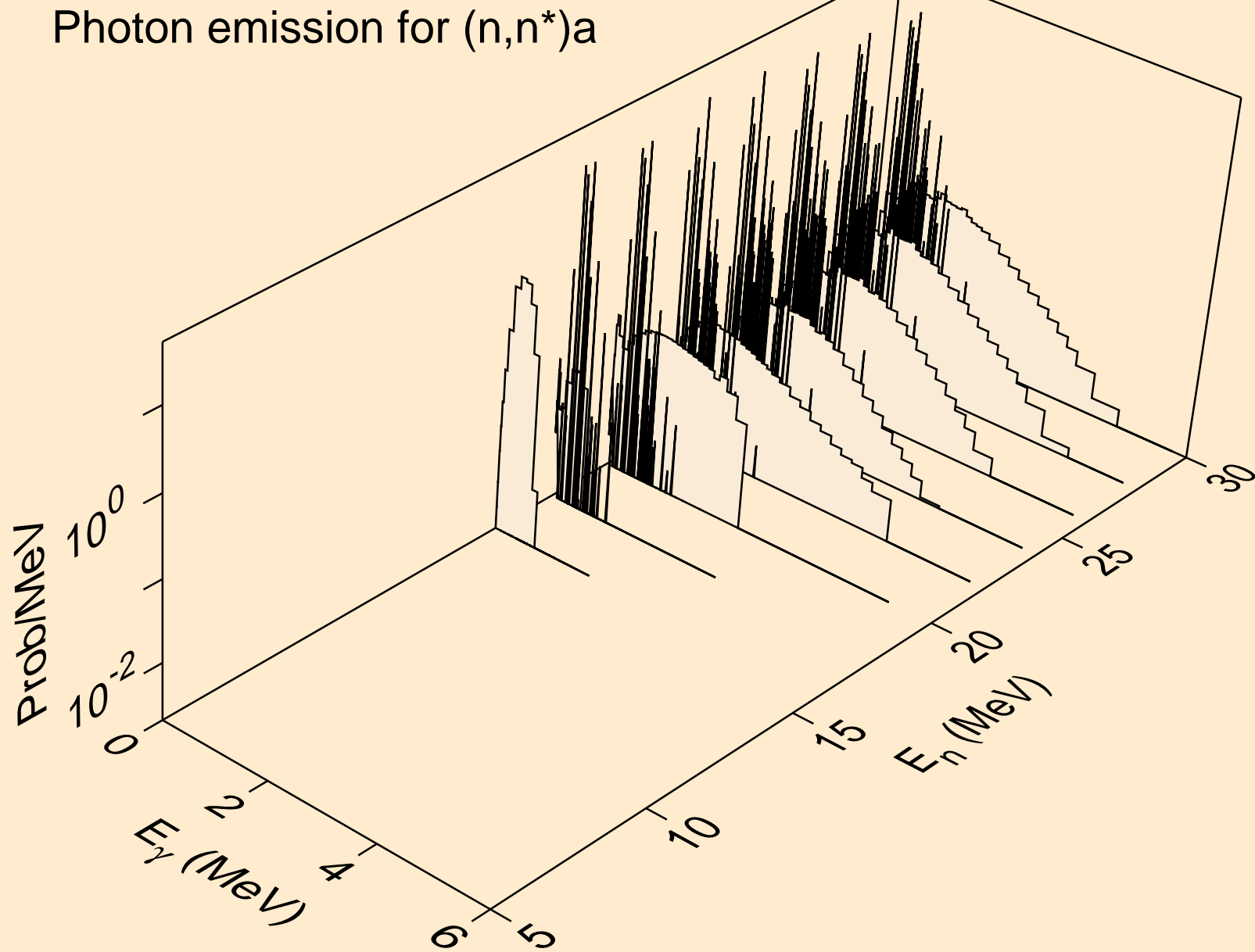
HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,x)



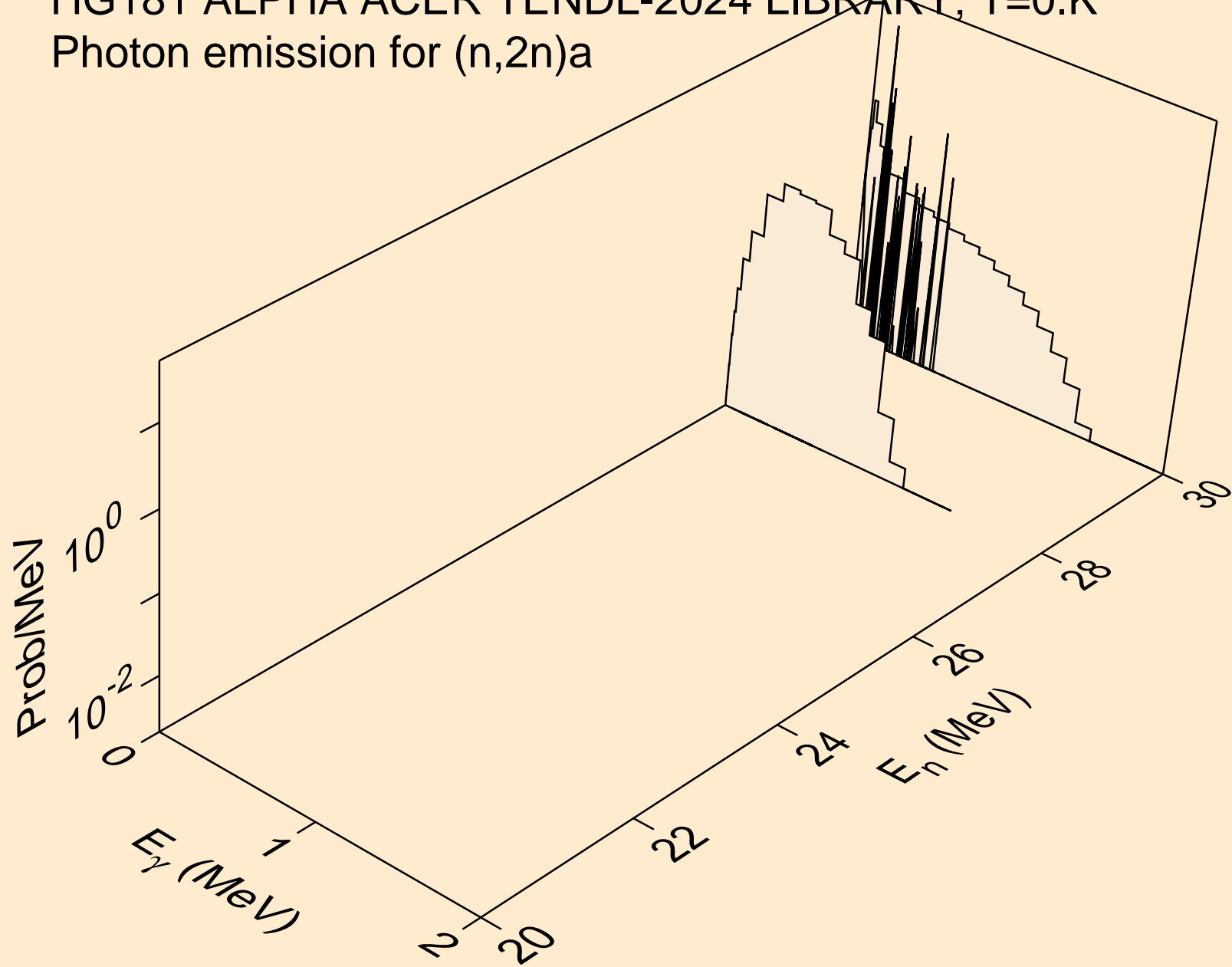
HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



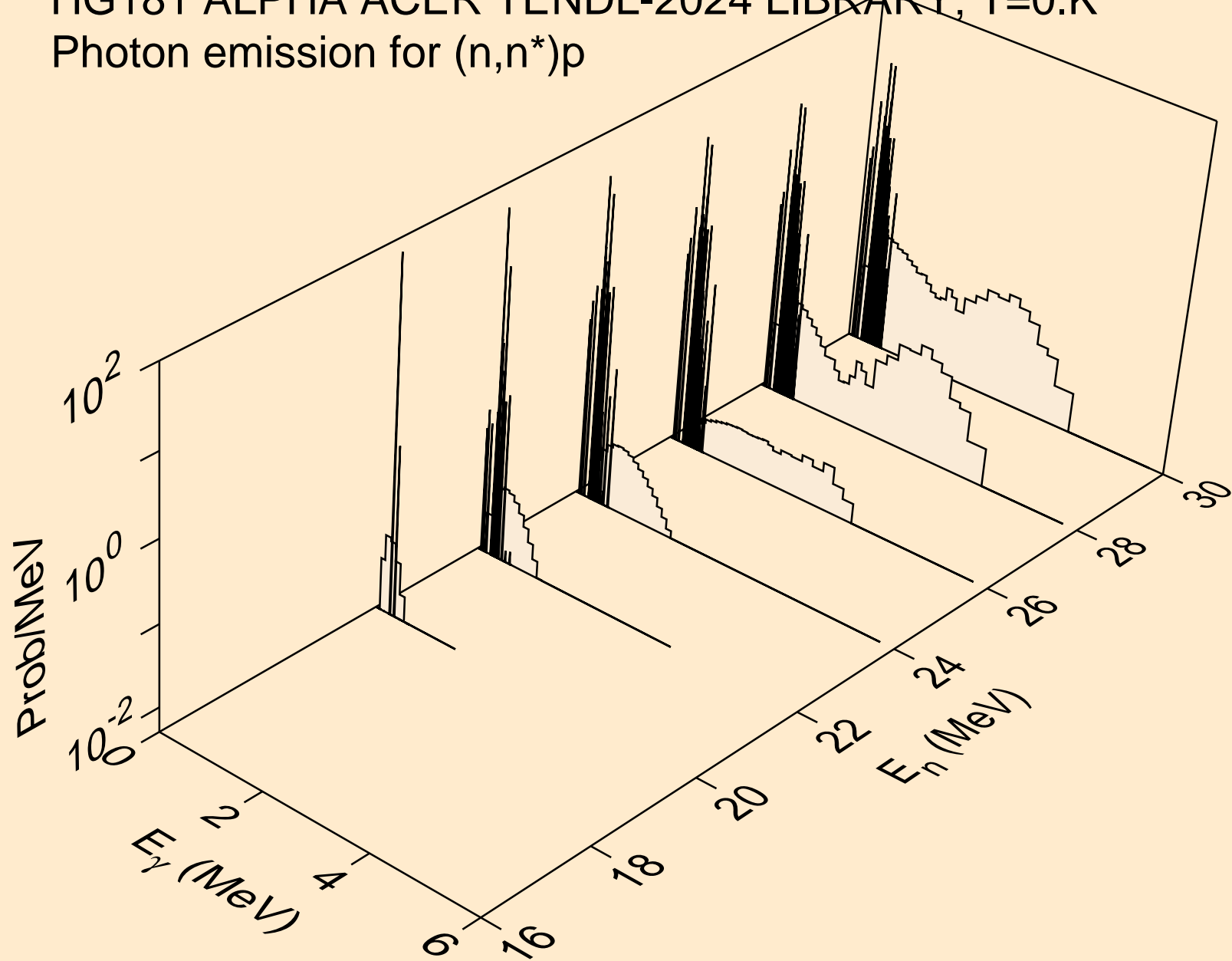
HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



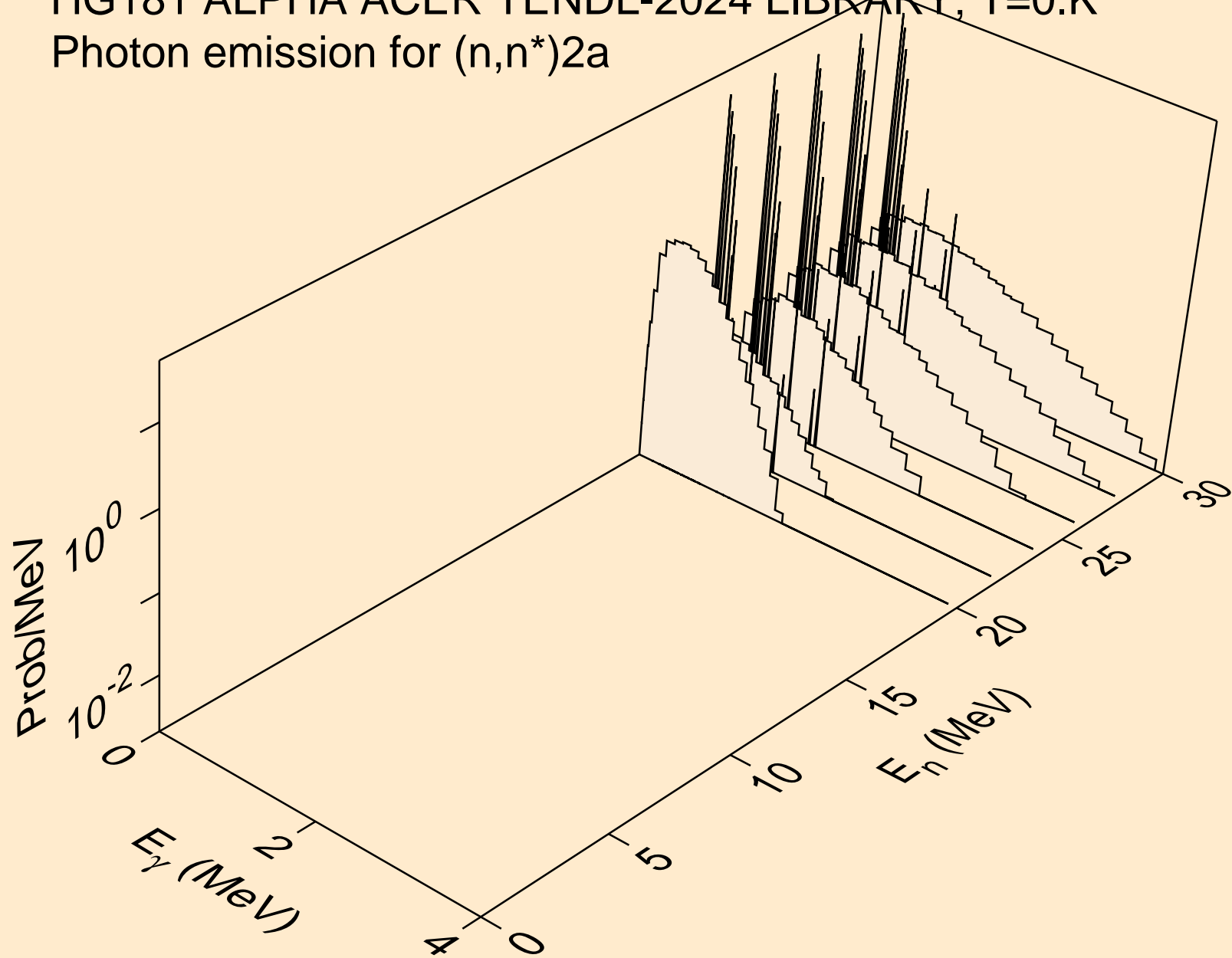
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Photon emission for (n,2n)a



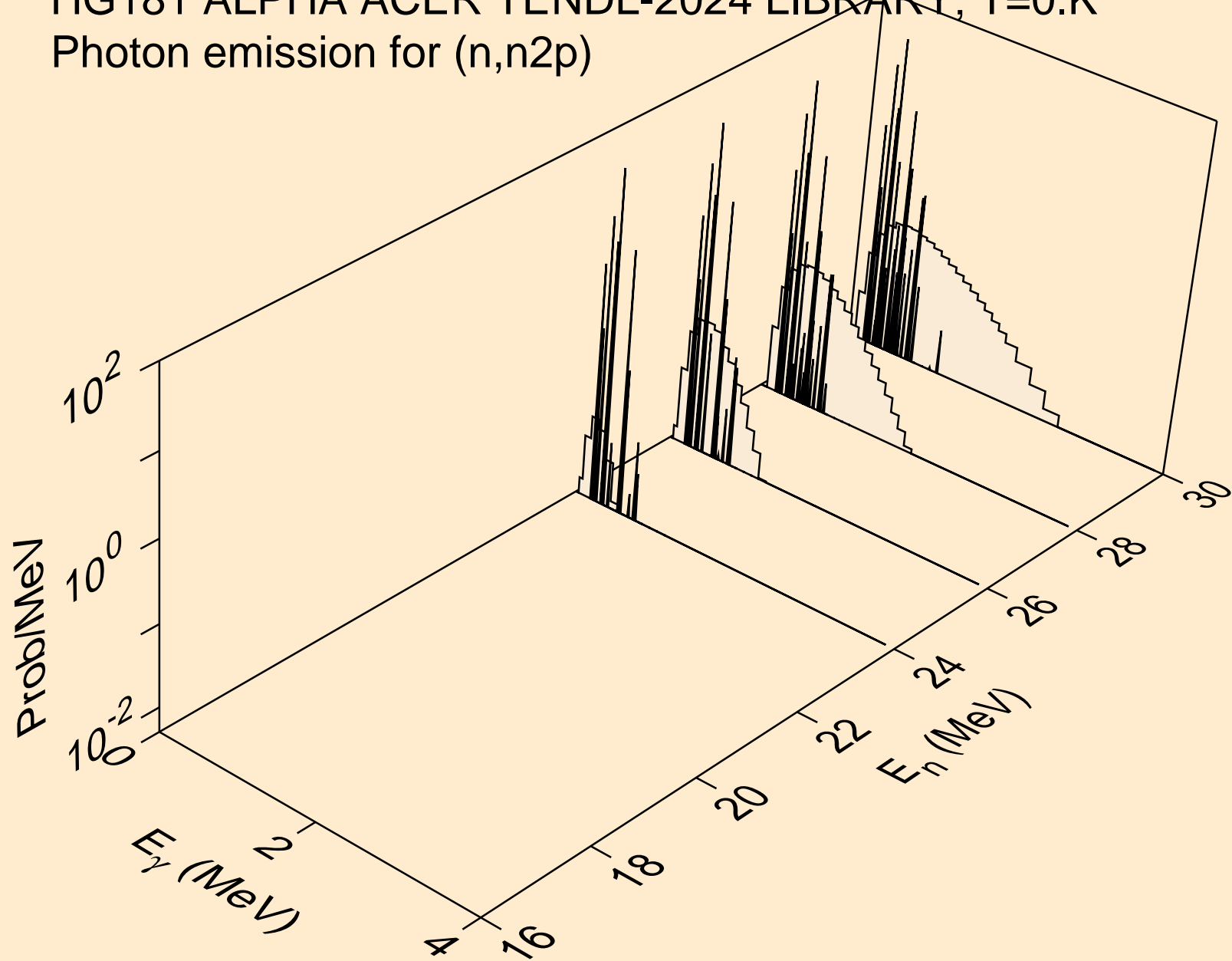
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Photon emission for (n,n\*)p



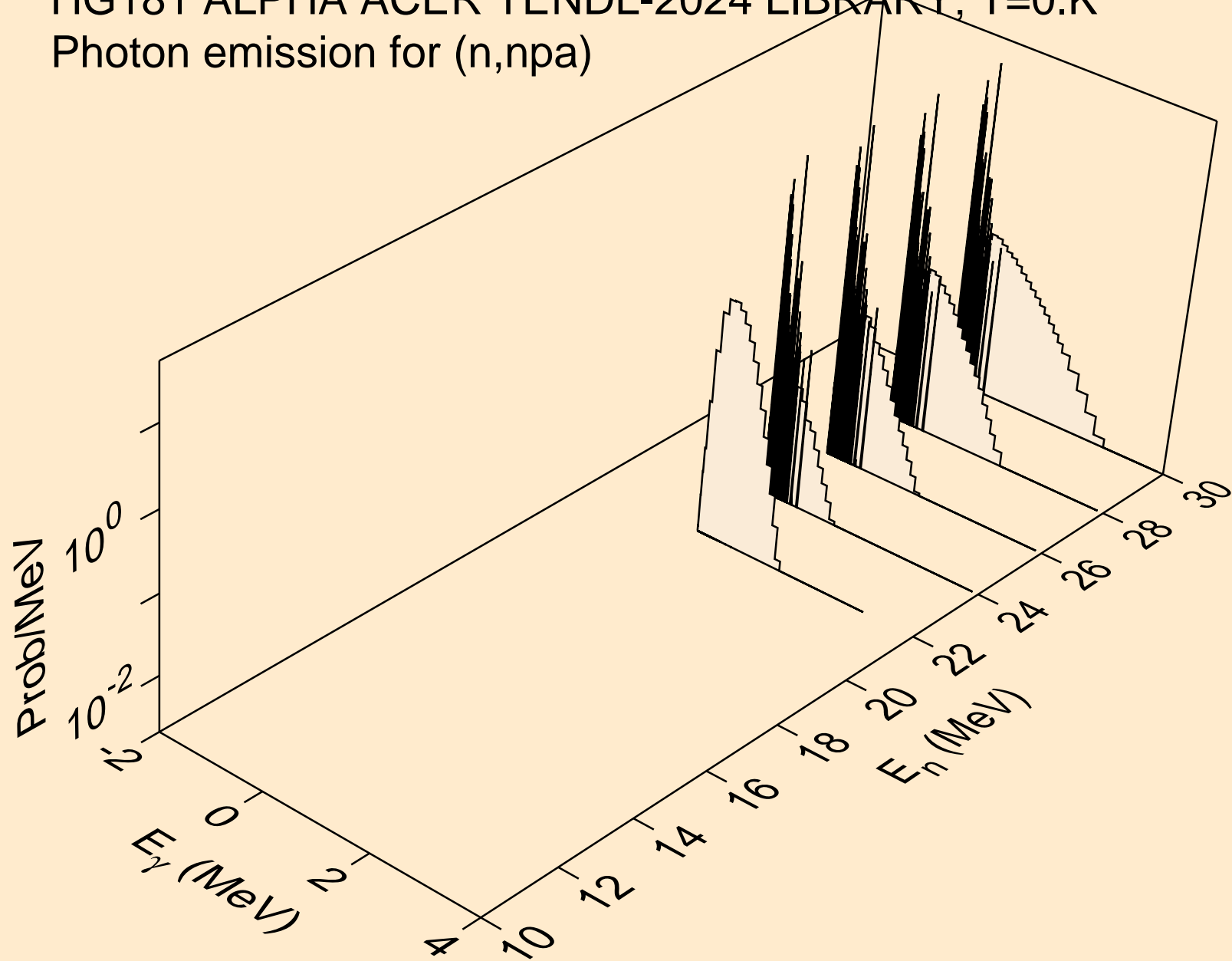
HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



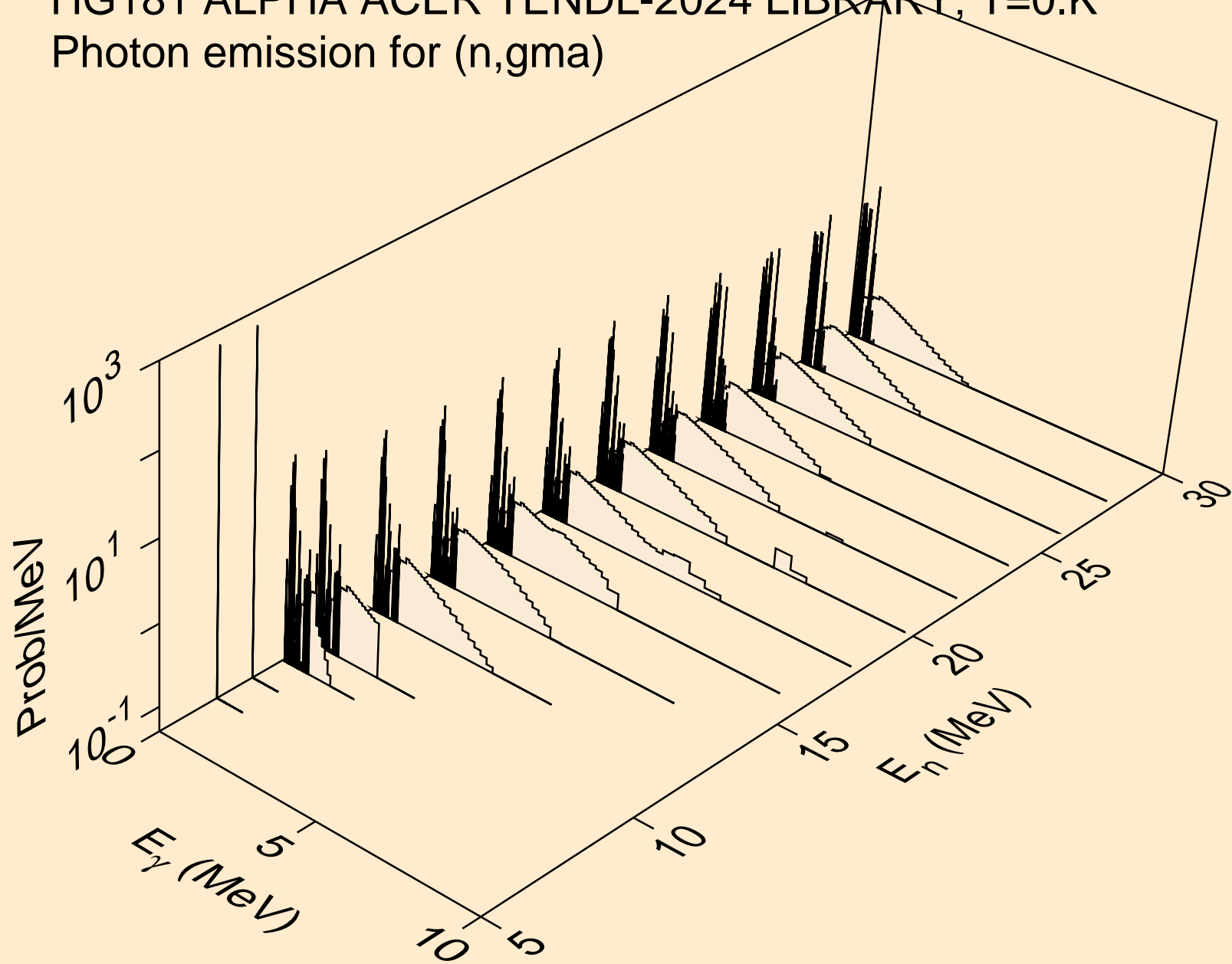
HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



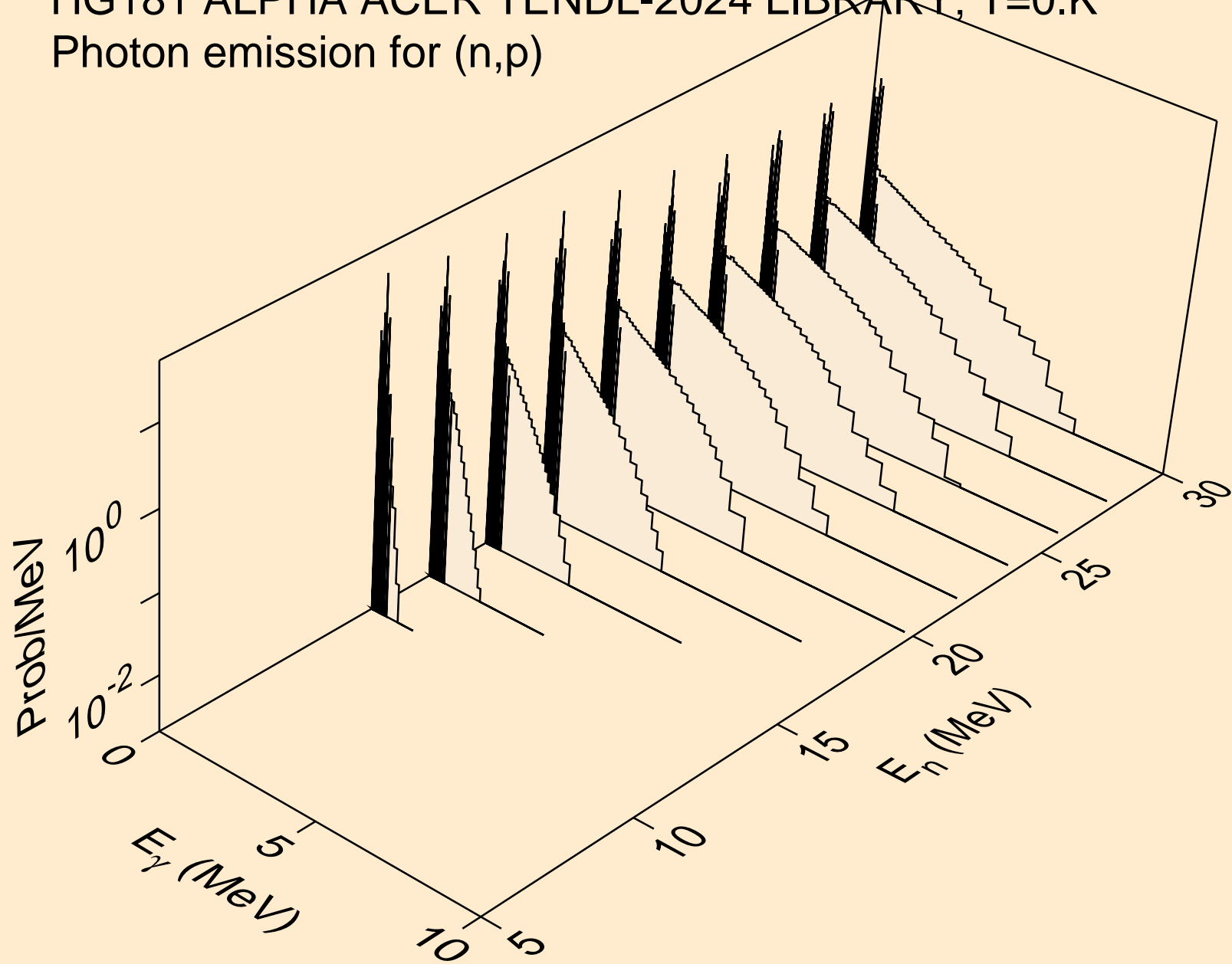
HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



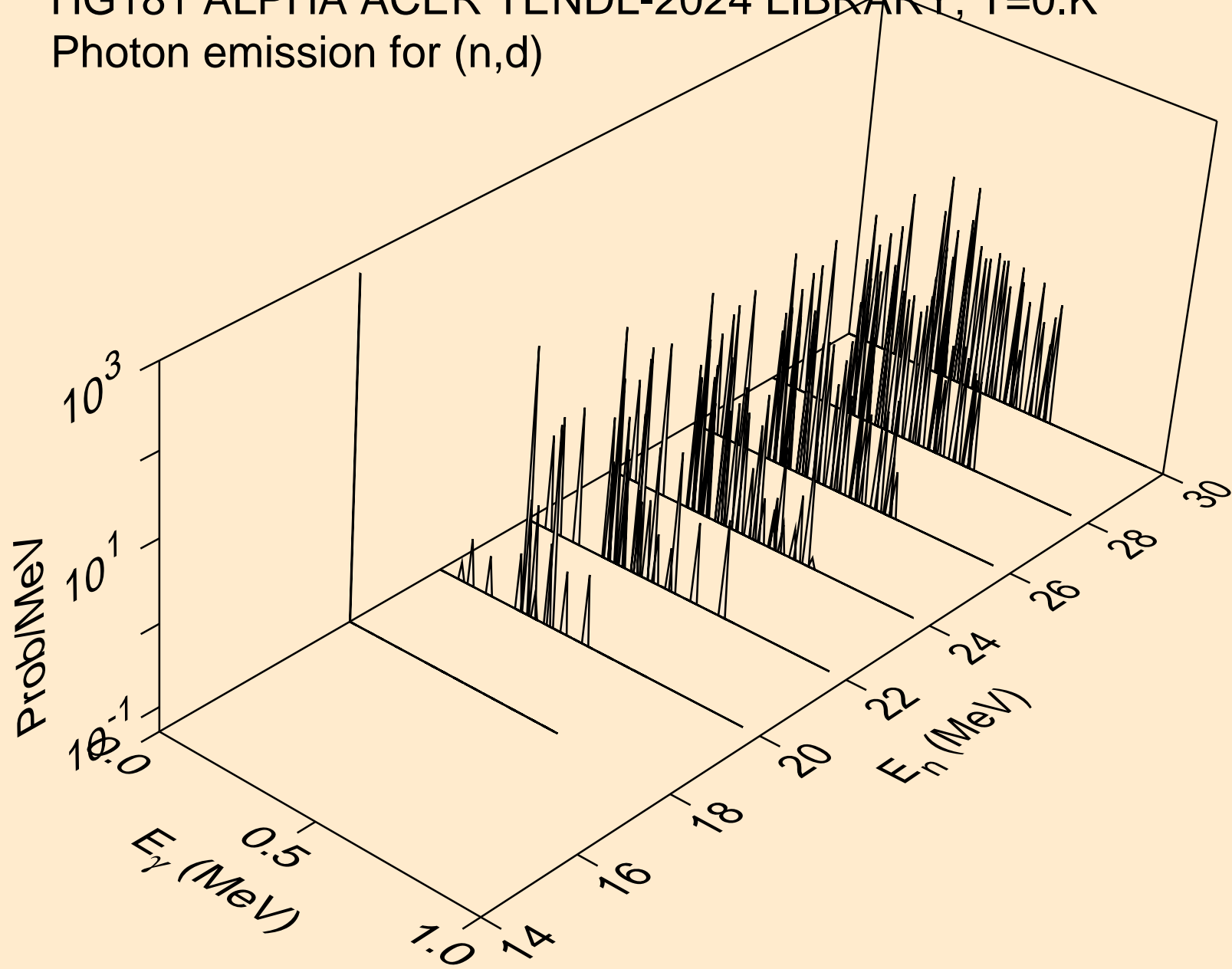
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Photon emission for (n,gma)



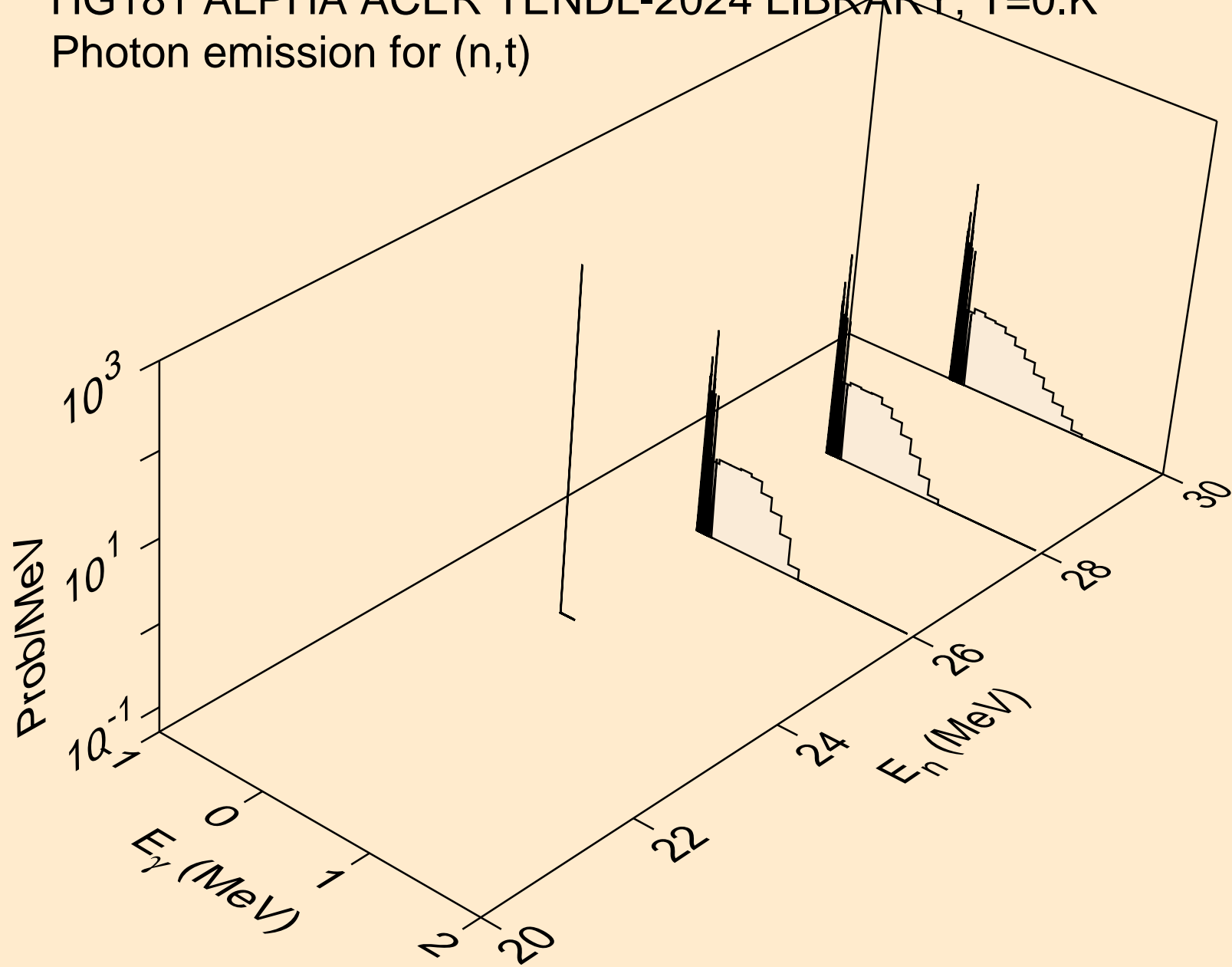
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Photon emission for (n,p)



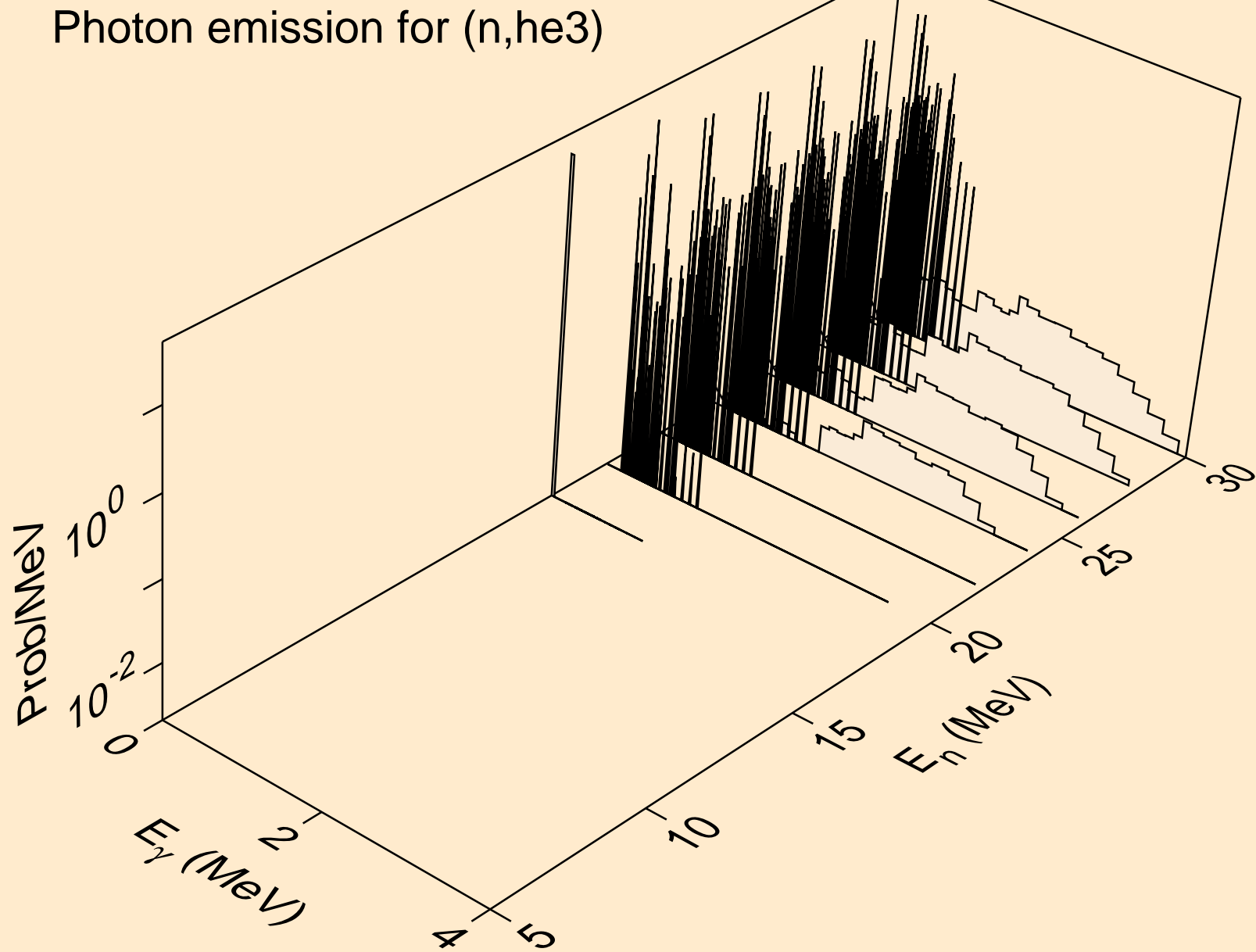
HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



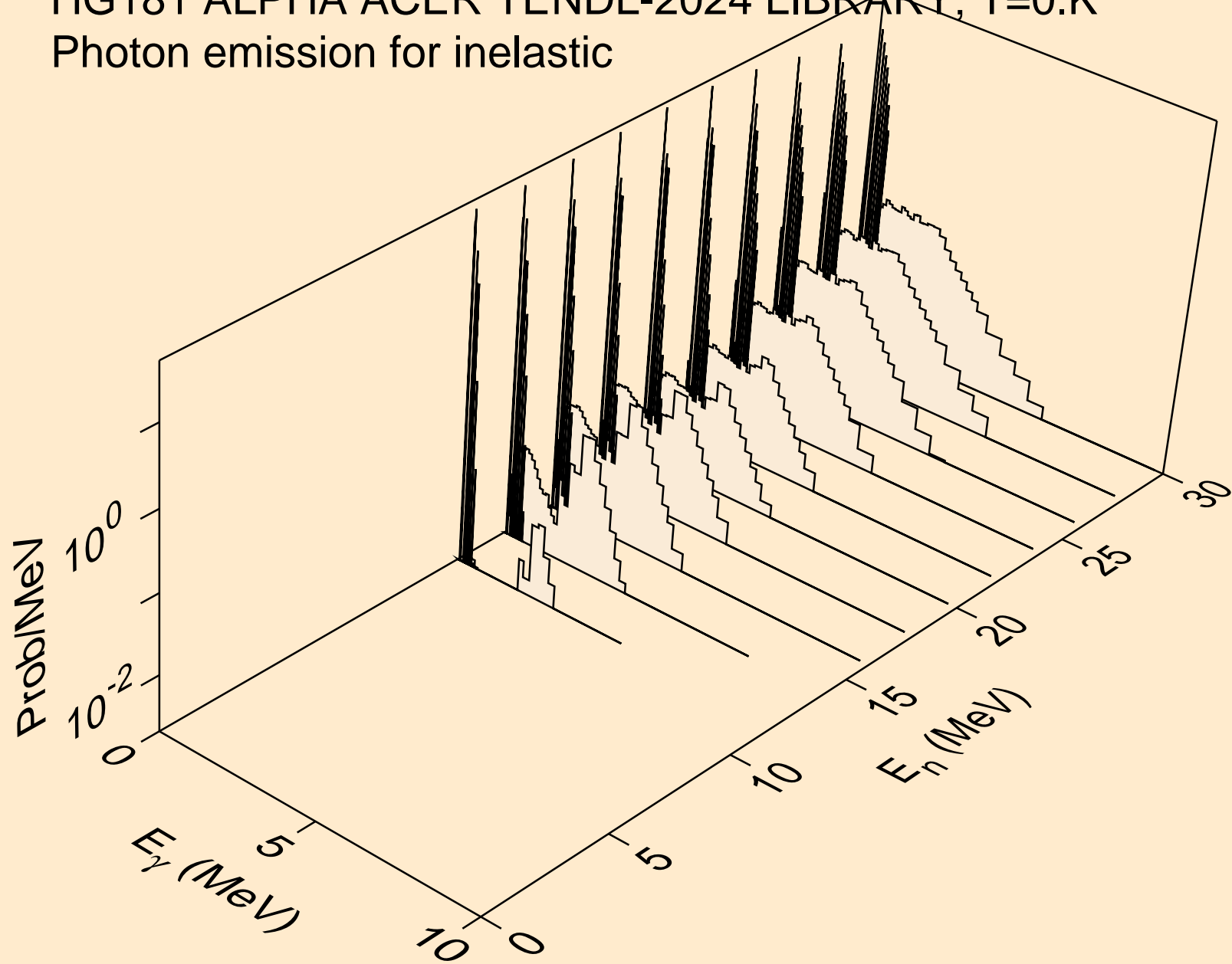
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Photon emission for (n,t)



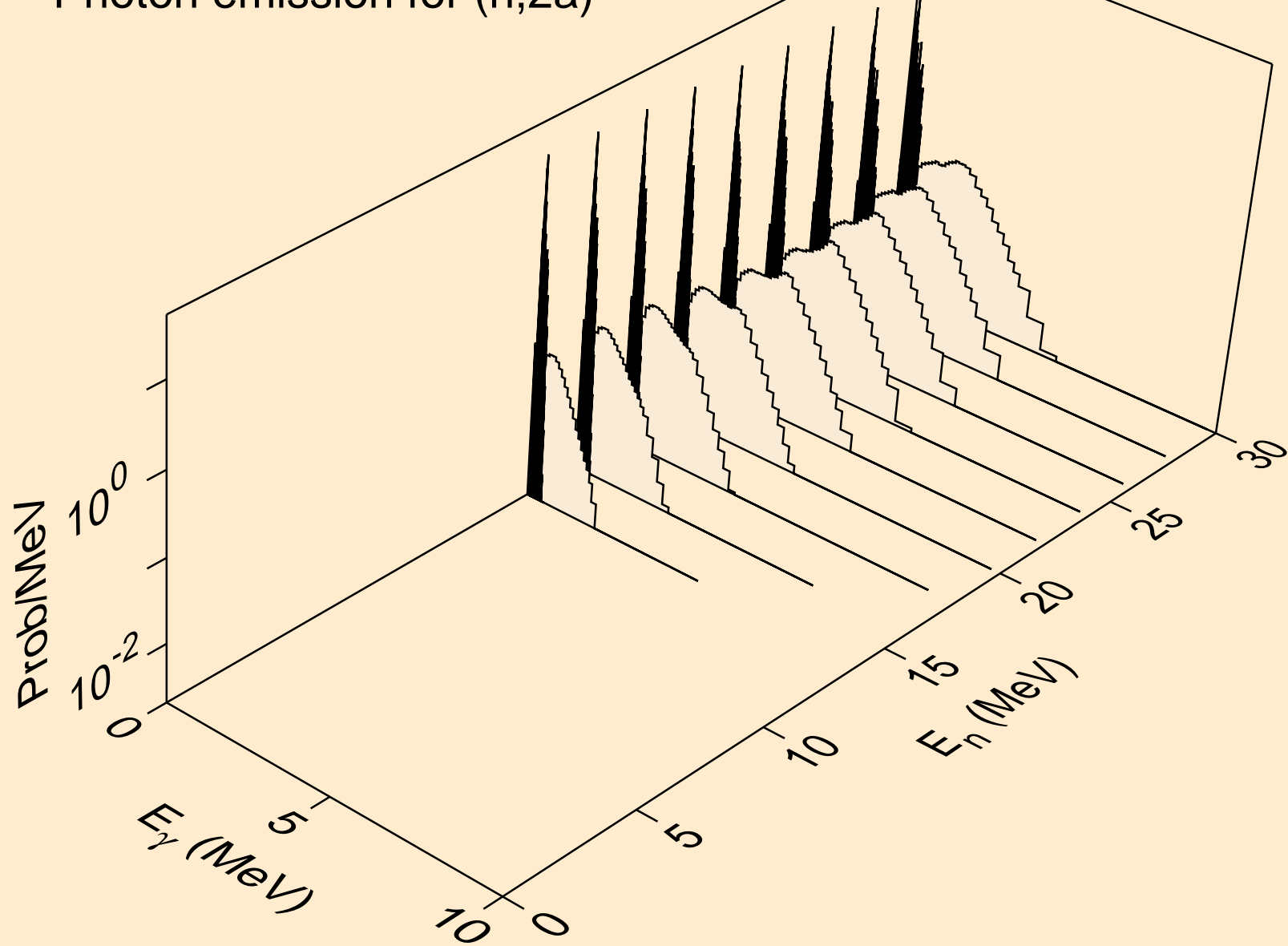
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Photon emission for (n,he3)



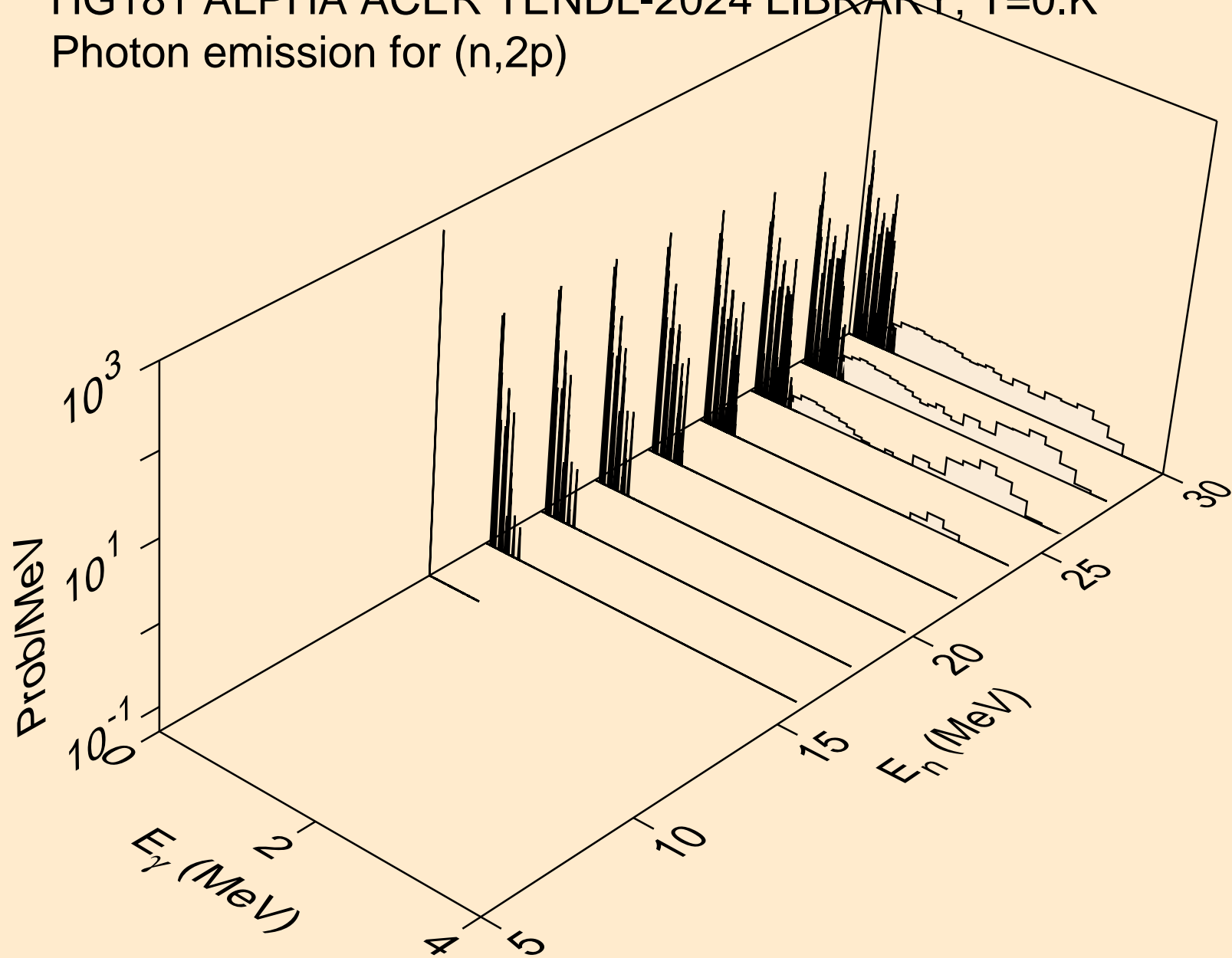
HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for inelastic



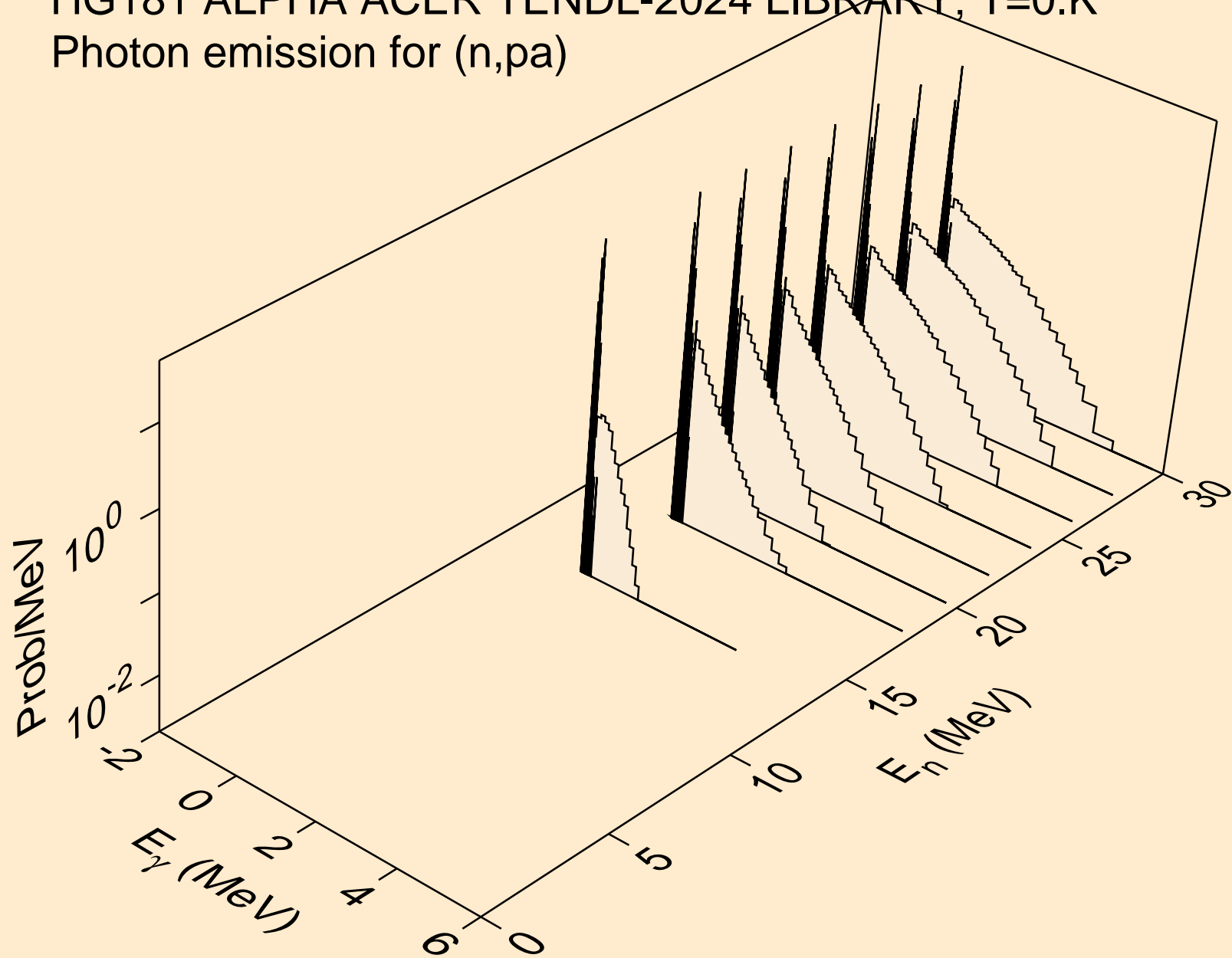
HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)



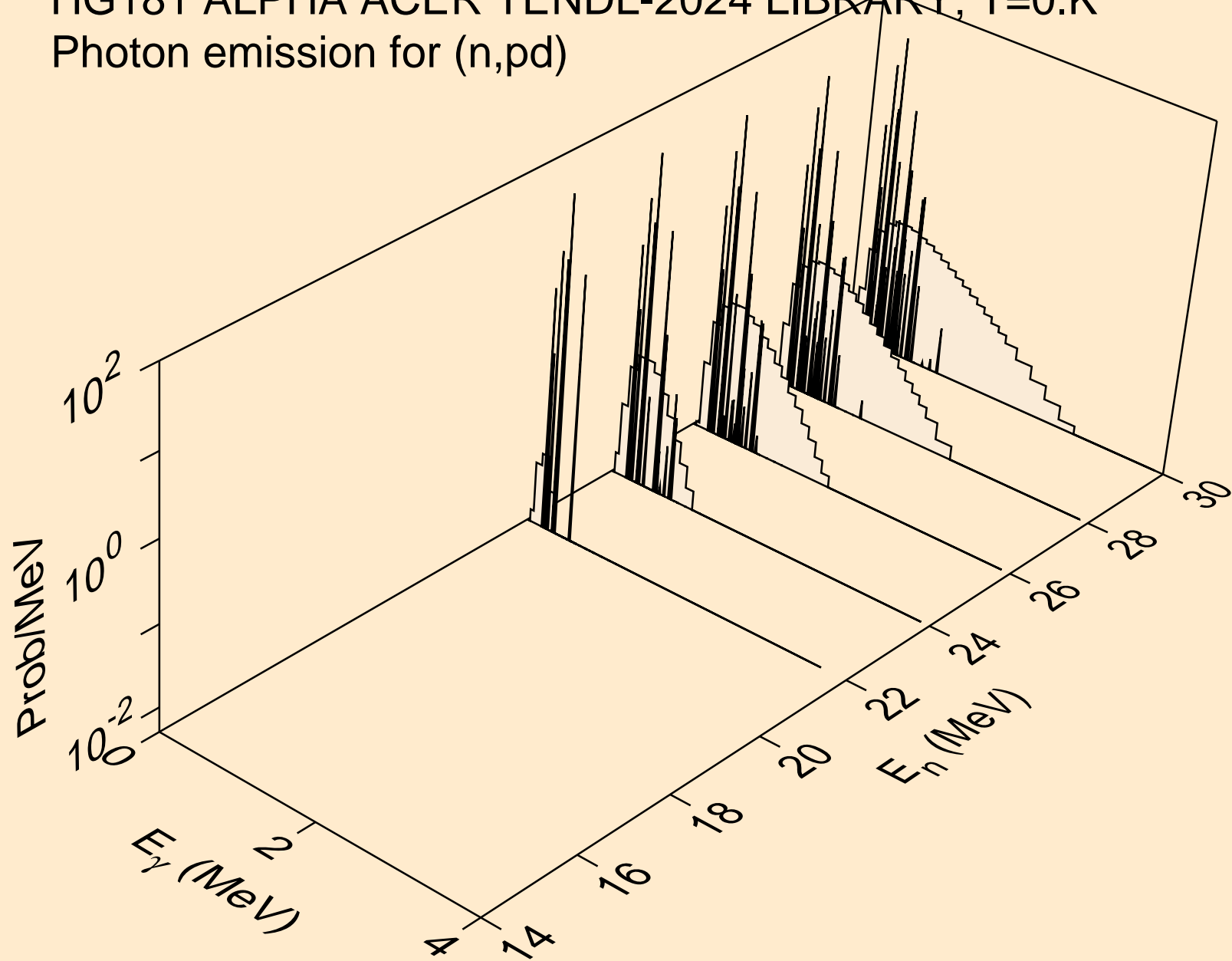
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Photon emission for (n,2p)



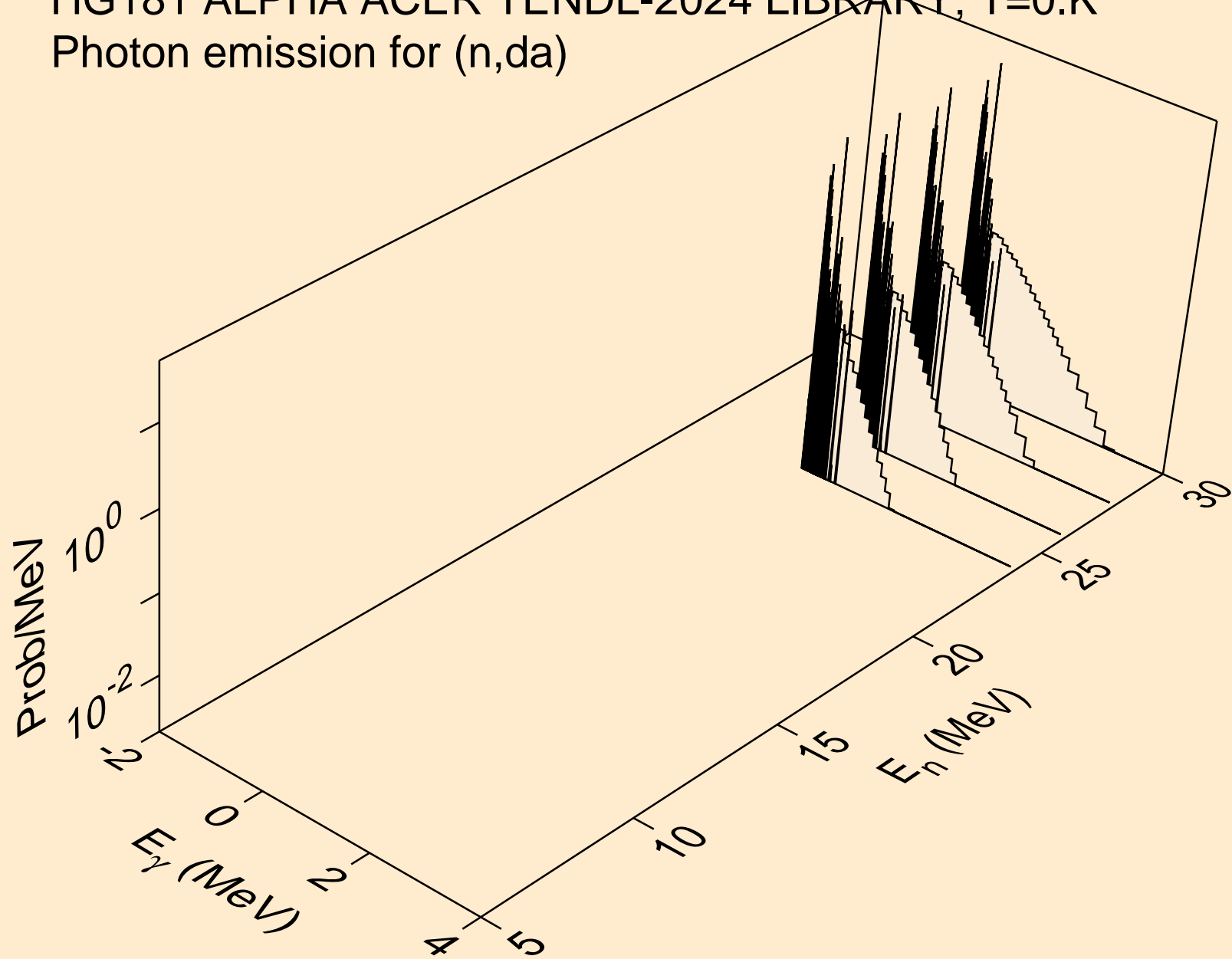
HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)

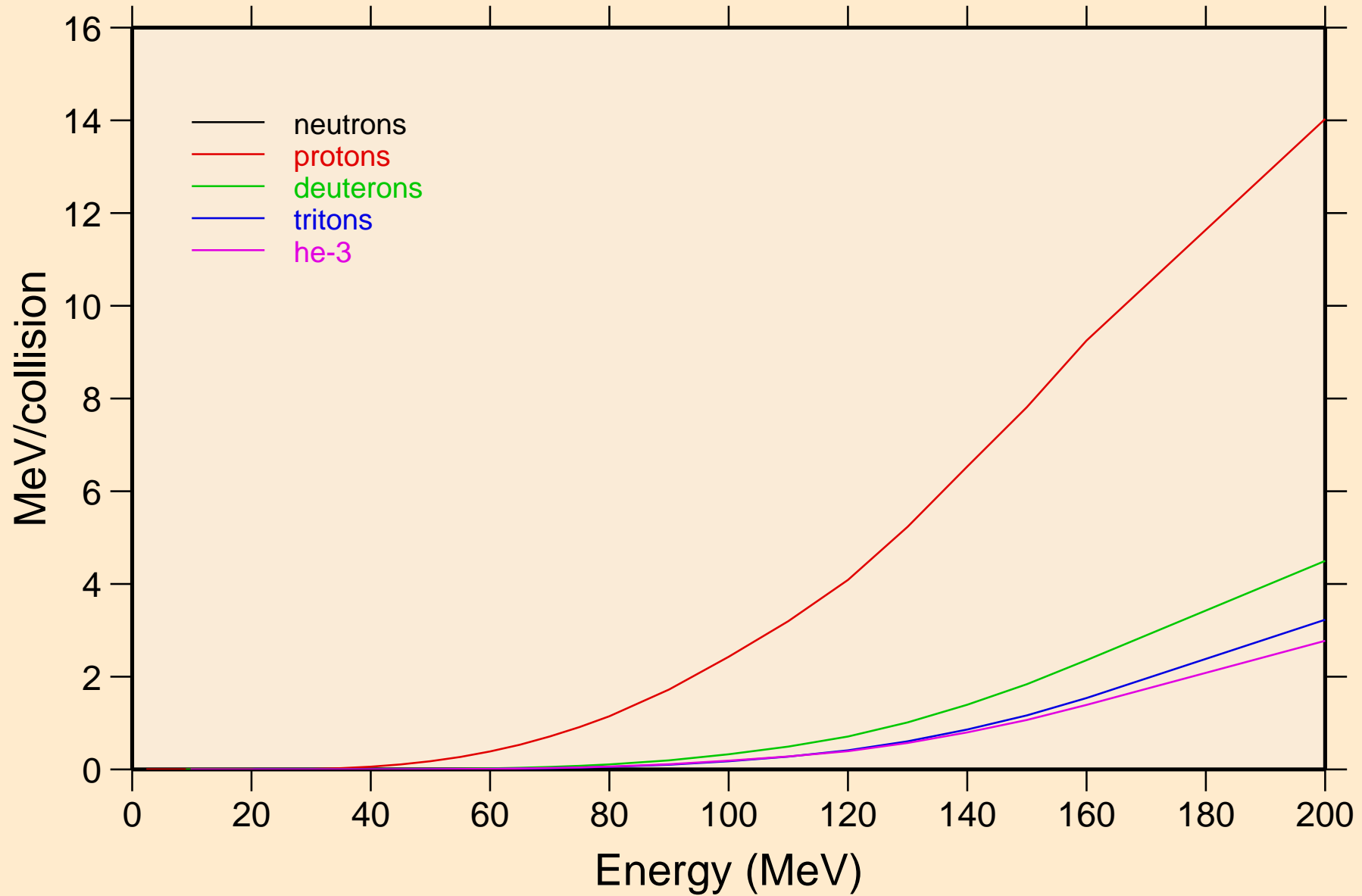


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Photon emission for (n,da)

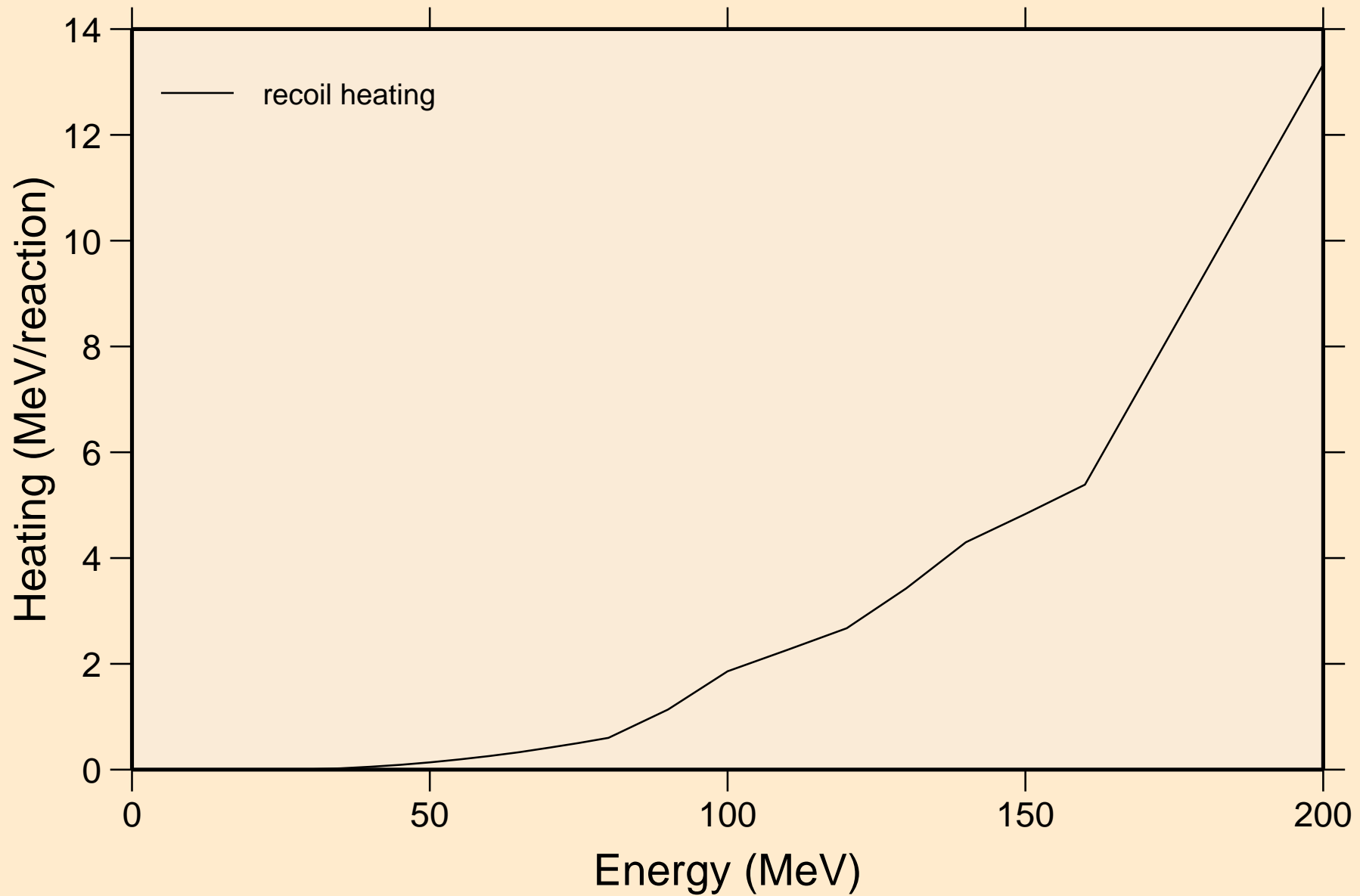


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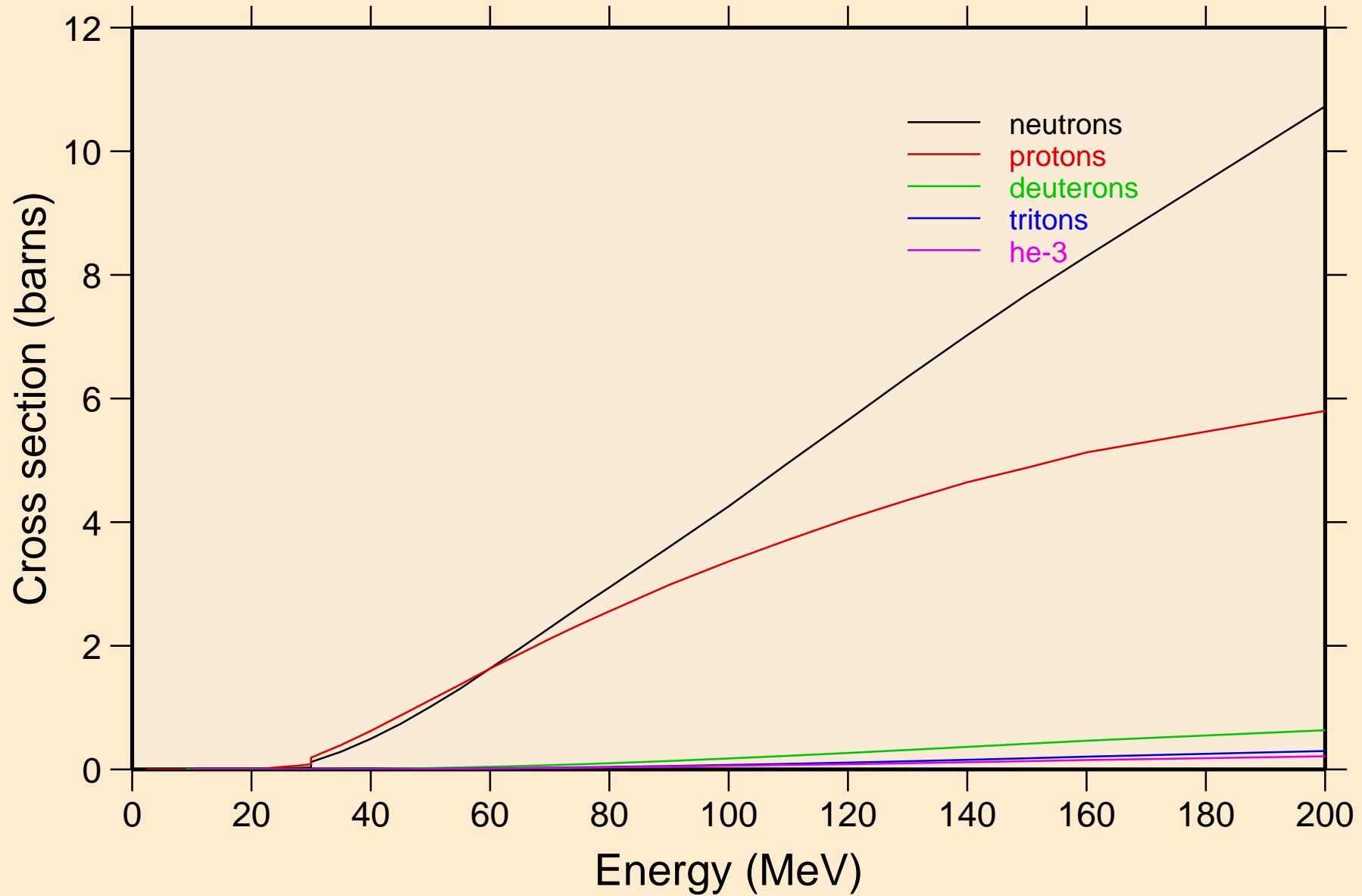
## Particle heating contributions



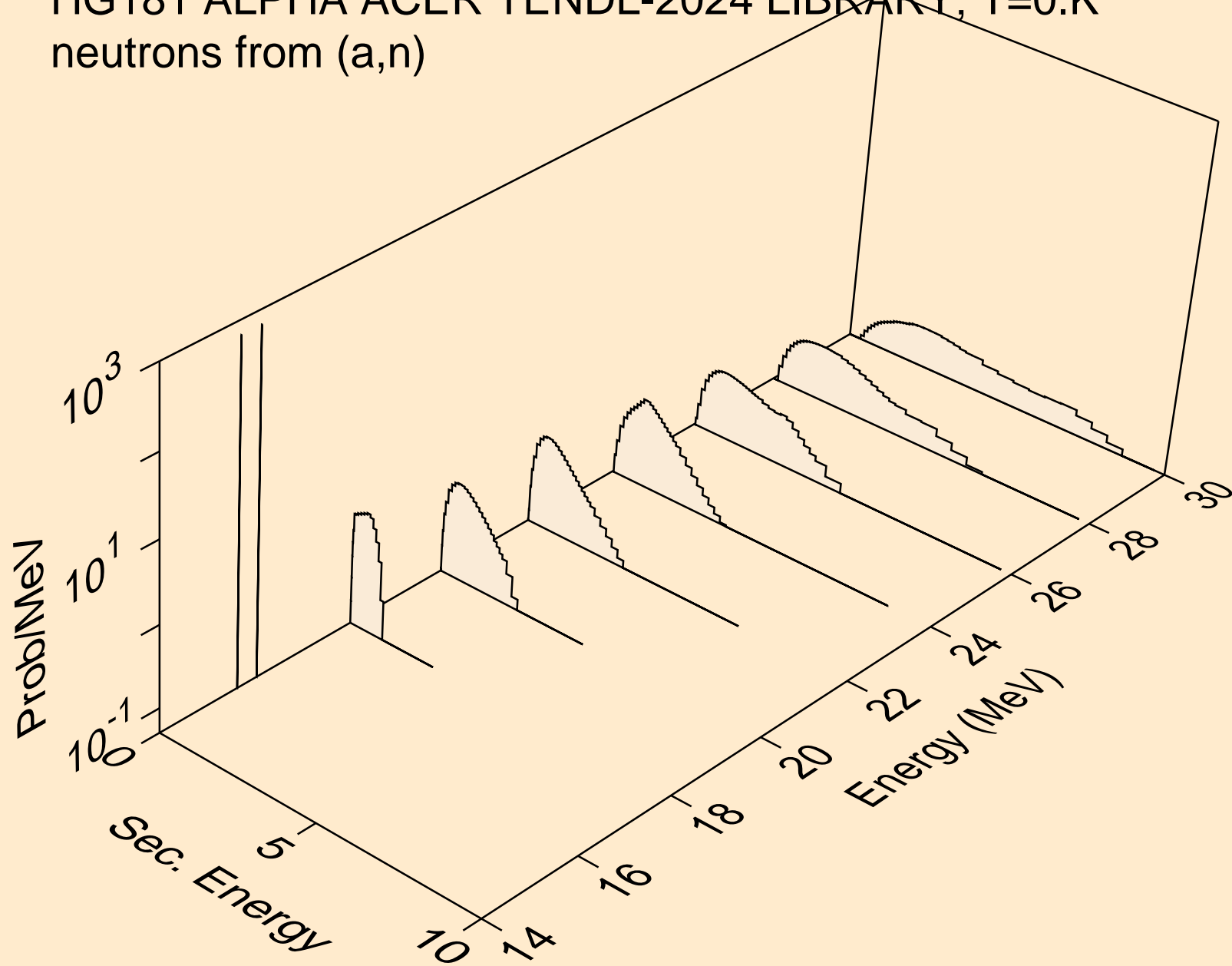
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Recoil Heating



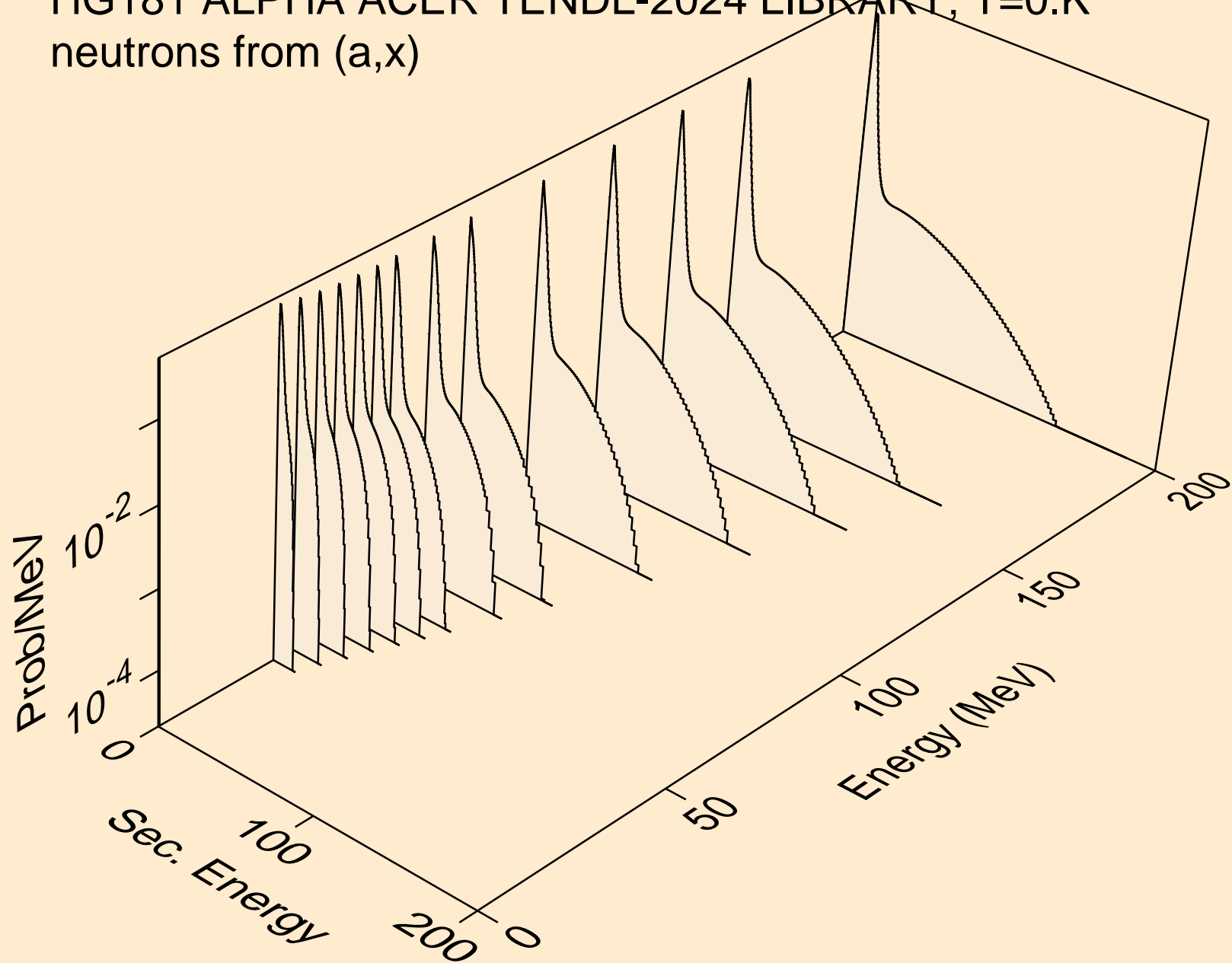
HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections



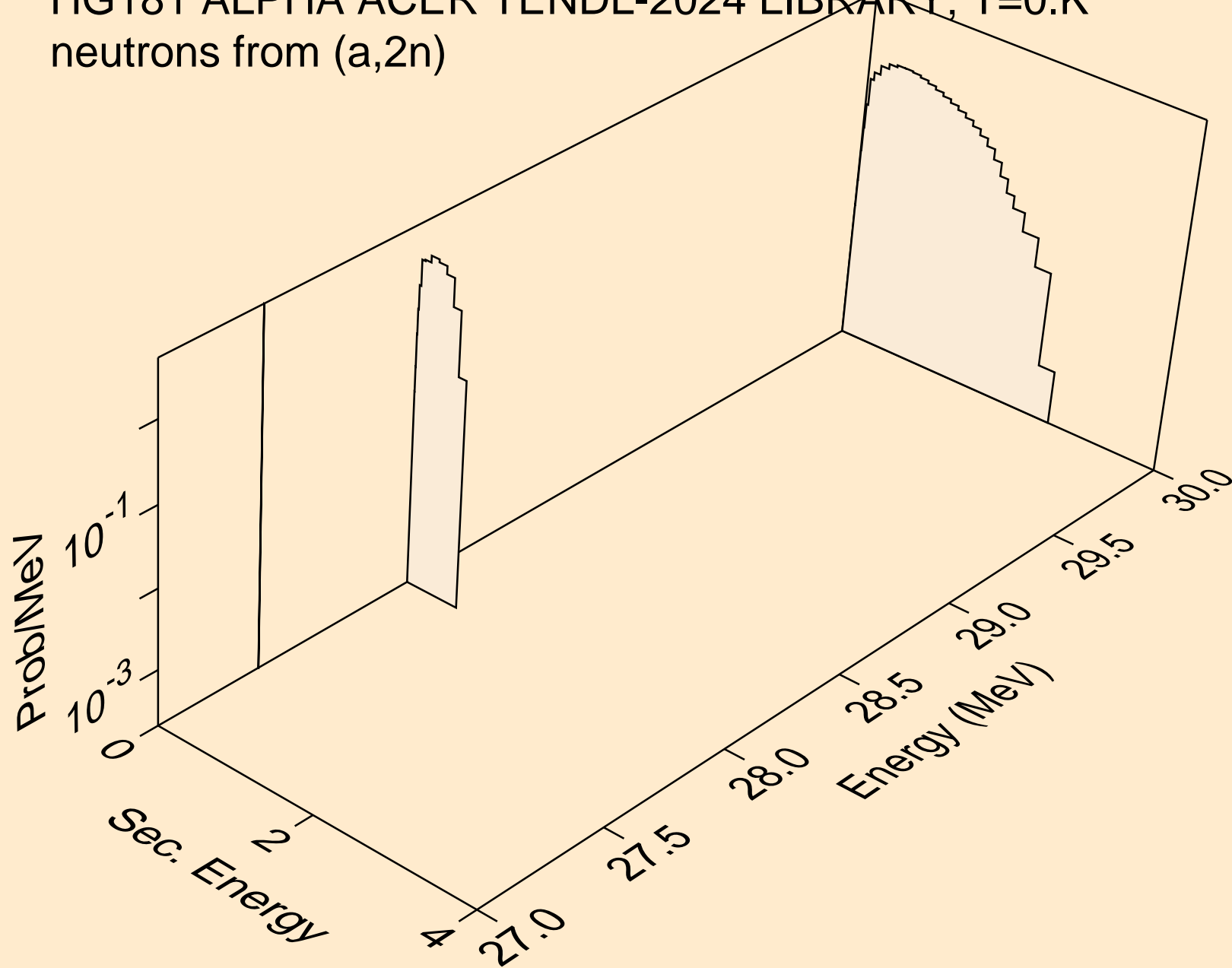
HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n)



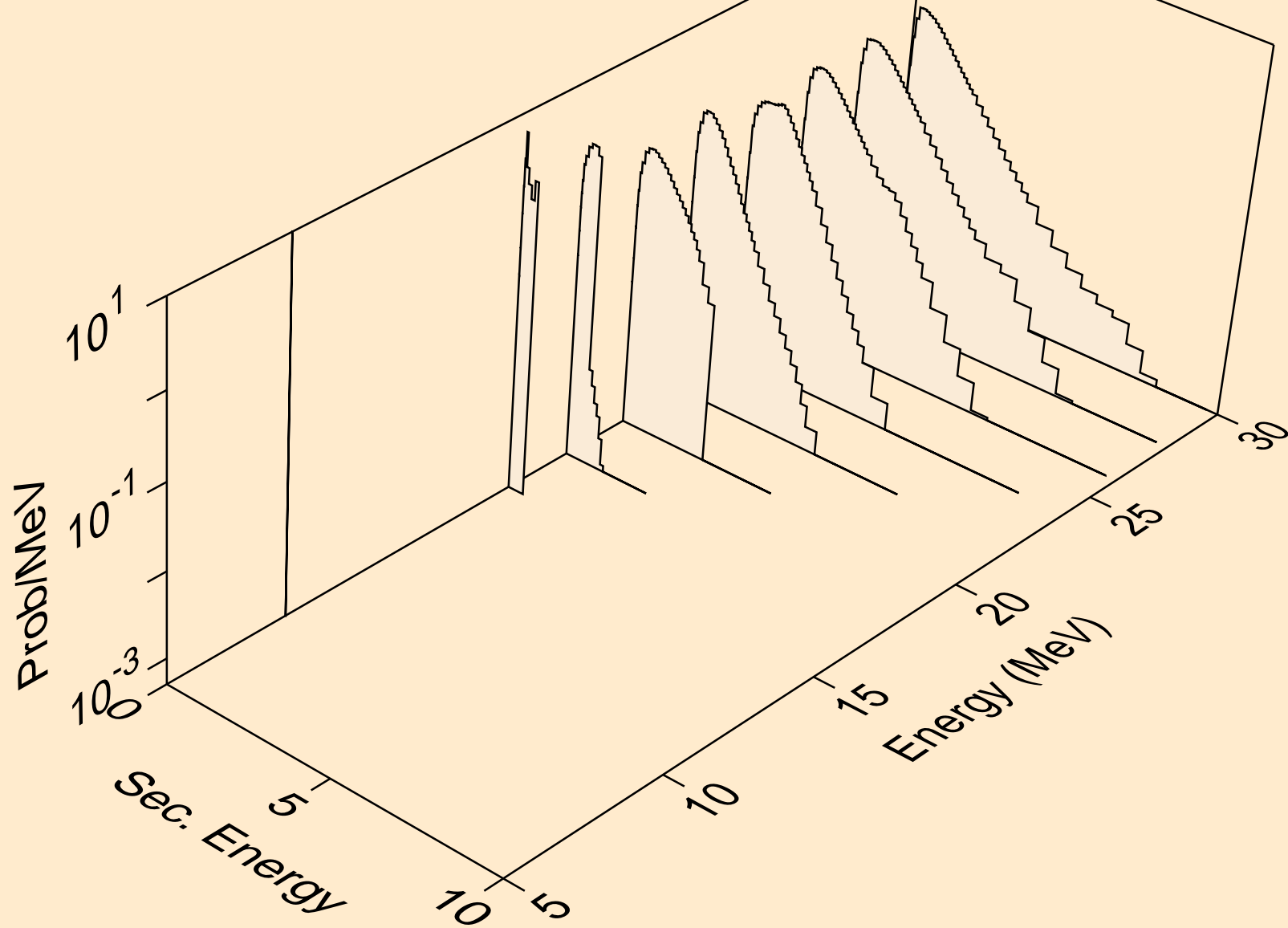
HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,x)



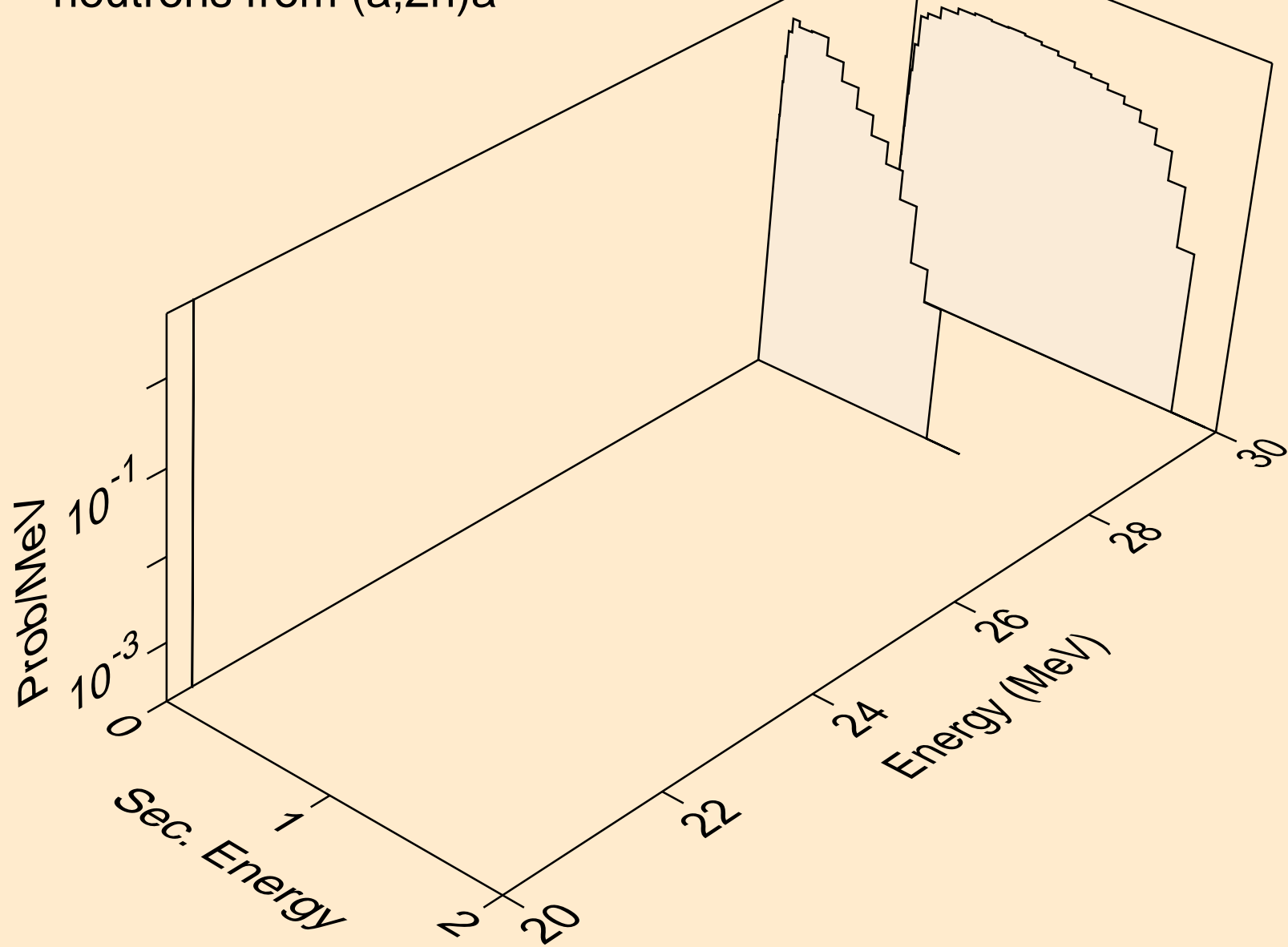
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neutrons from (a,2n)



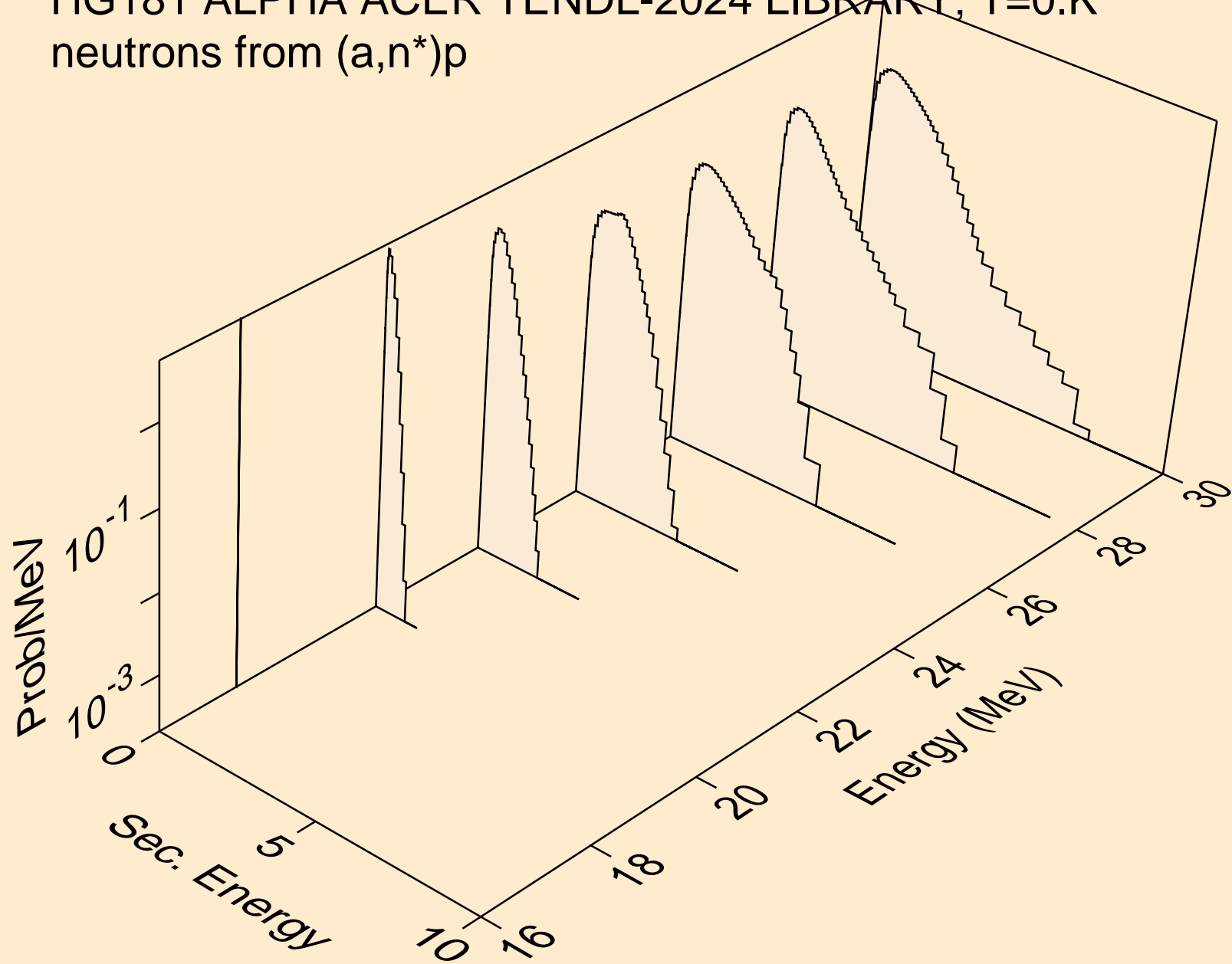
HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (a,n\*)a



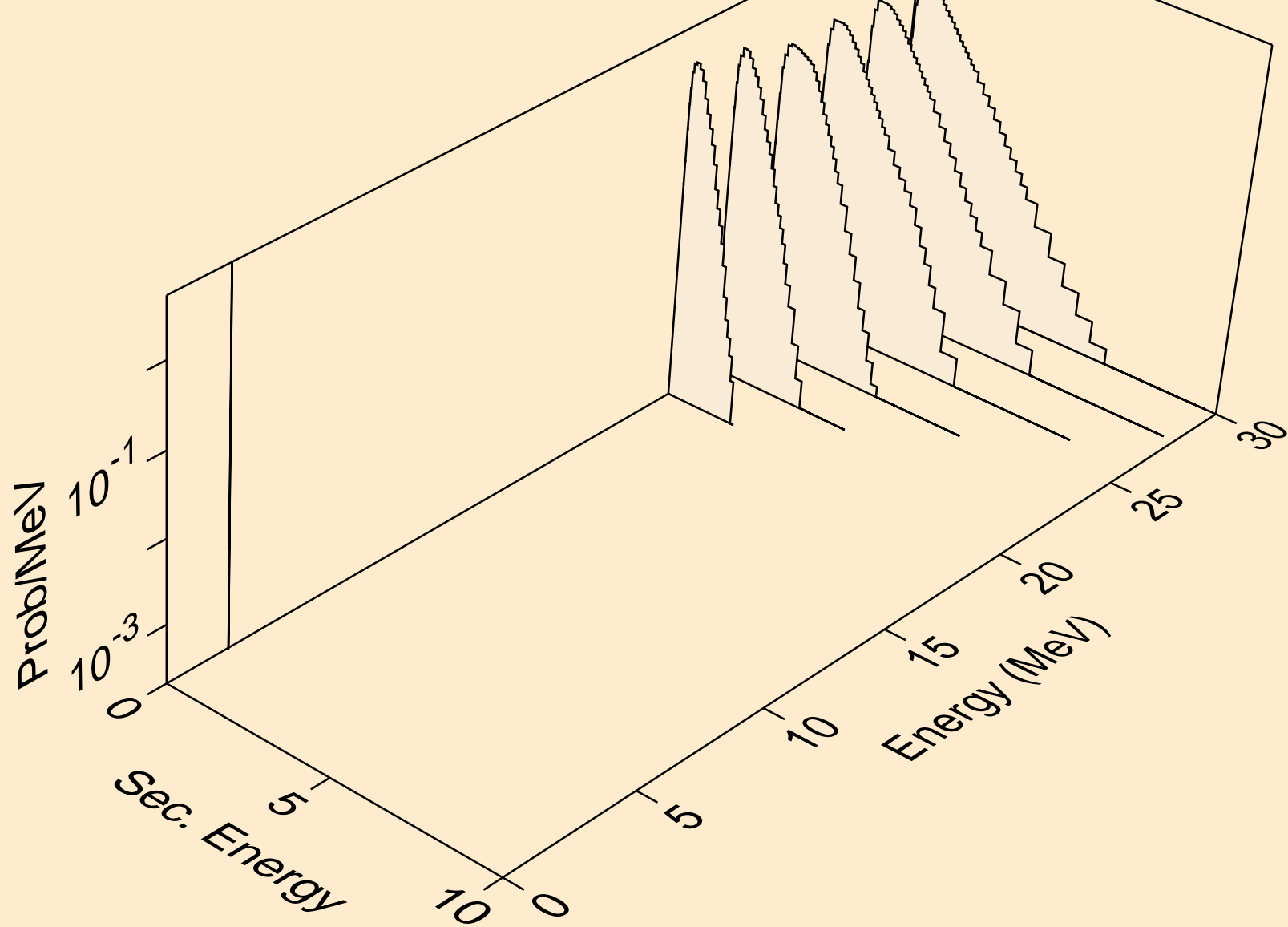
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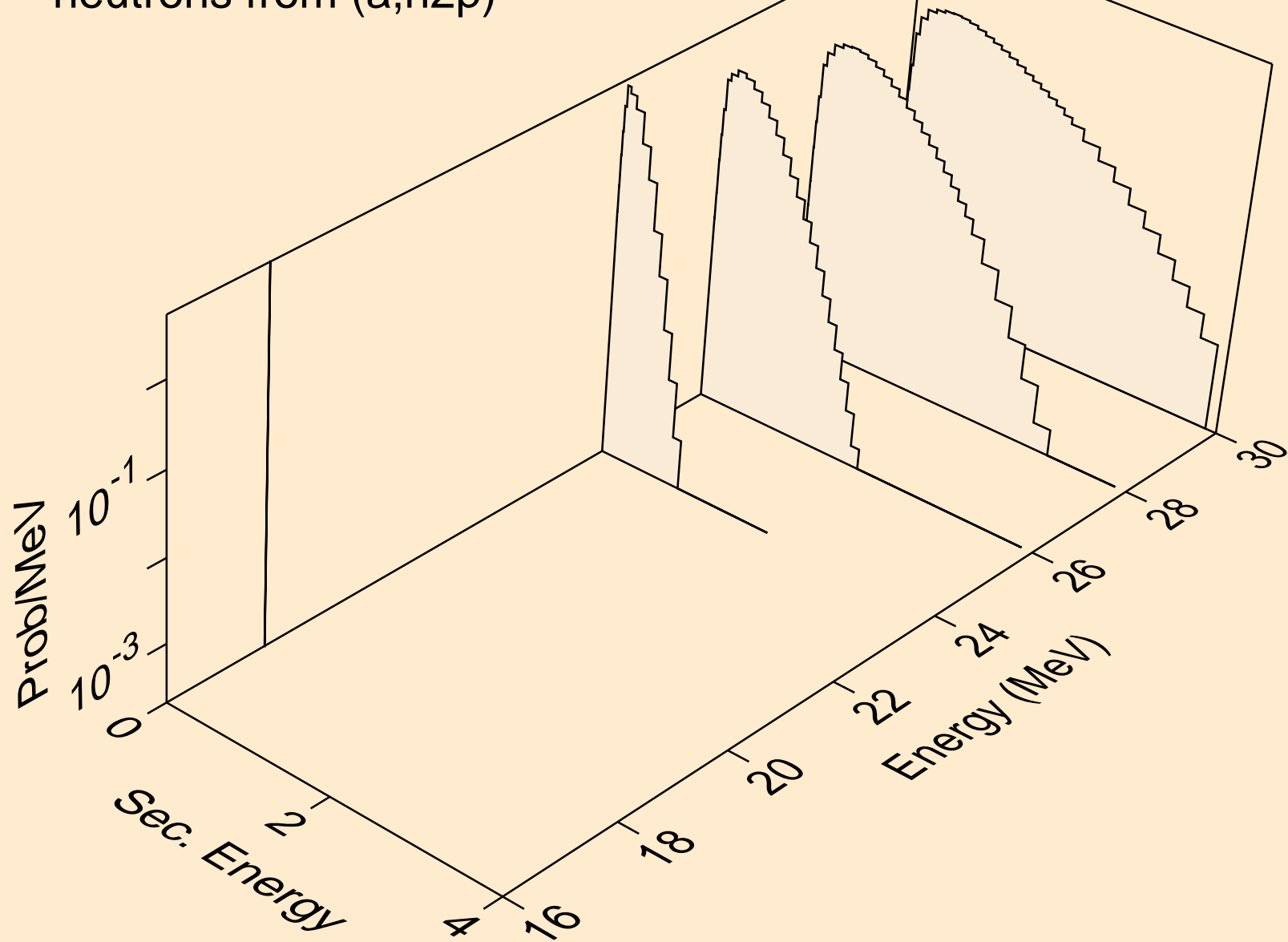
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neutrons from (a,n\*)p



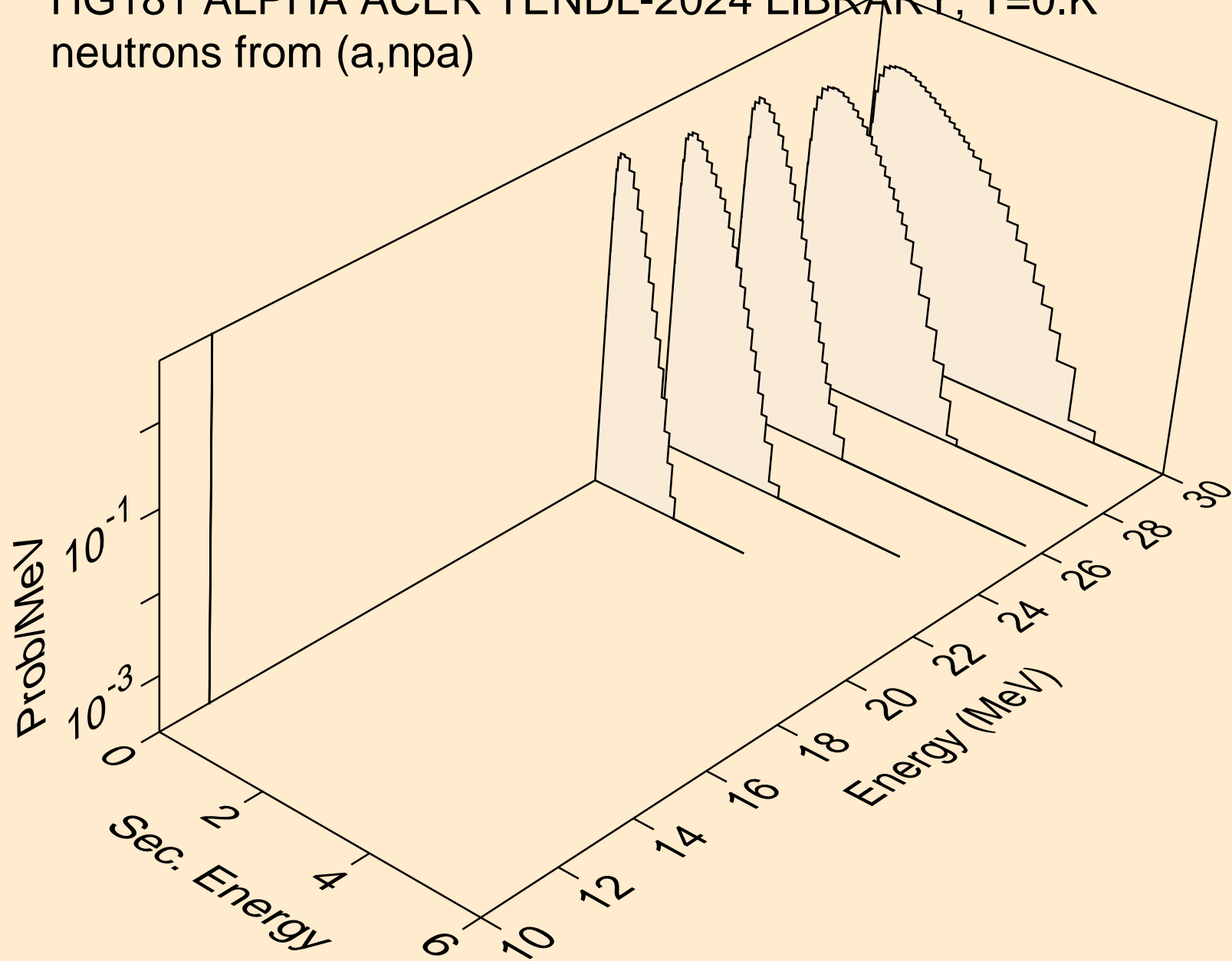
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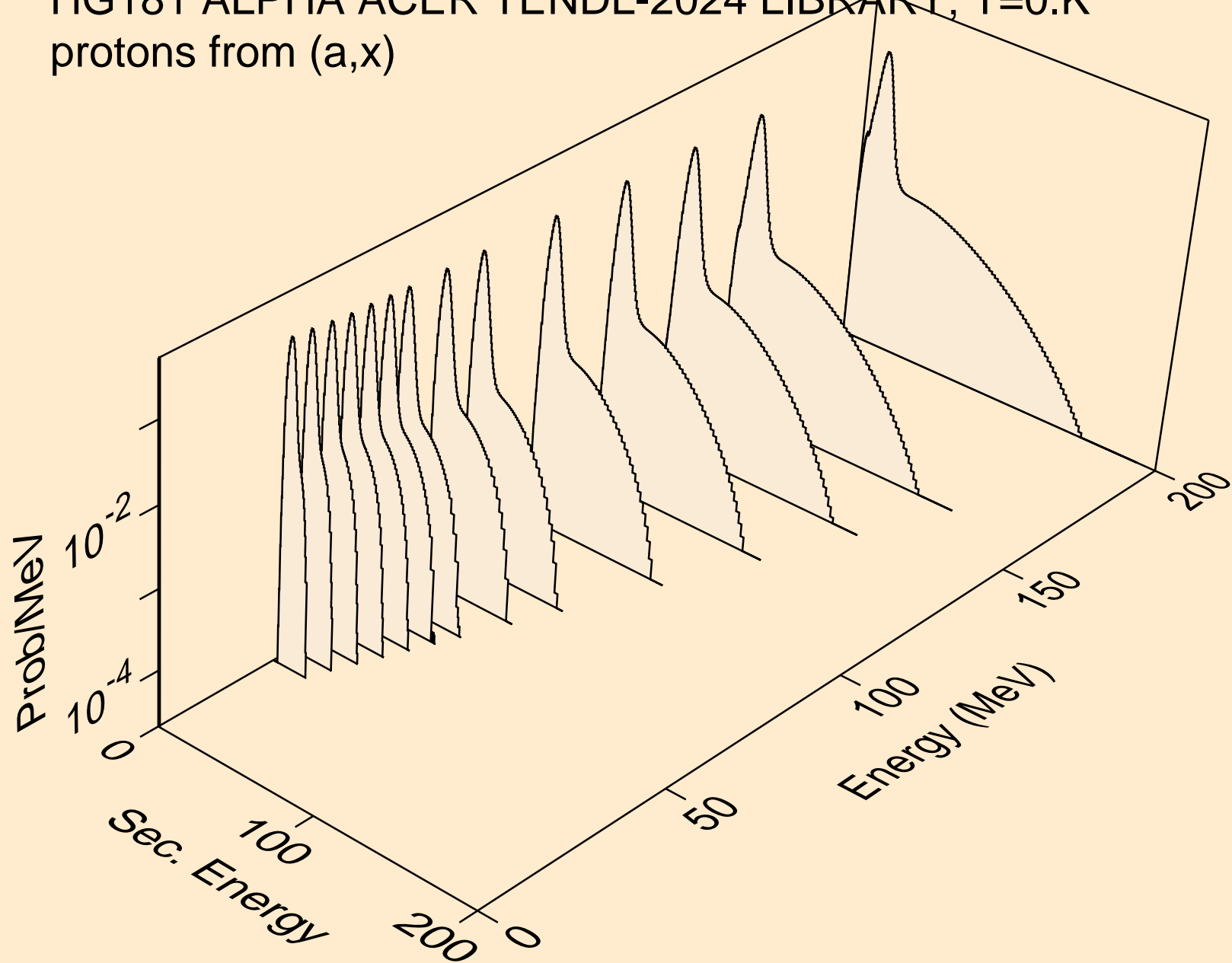
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neutrons from (a,n2p)



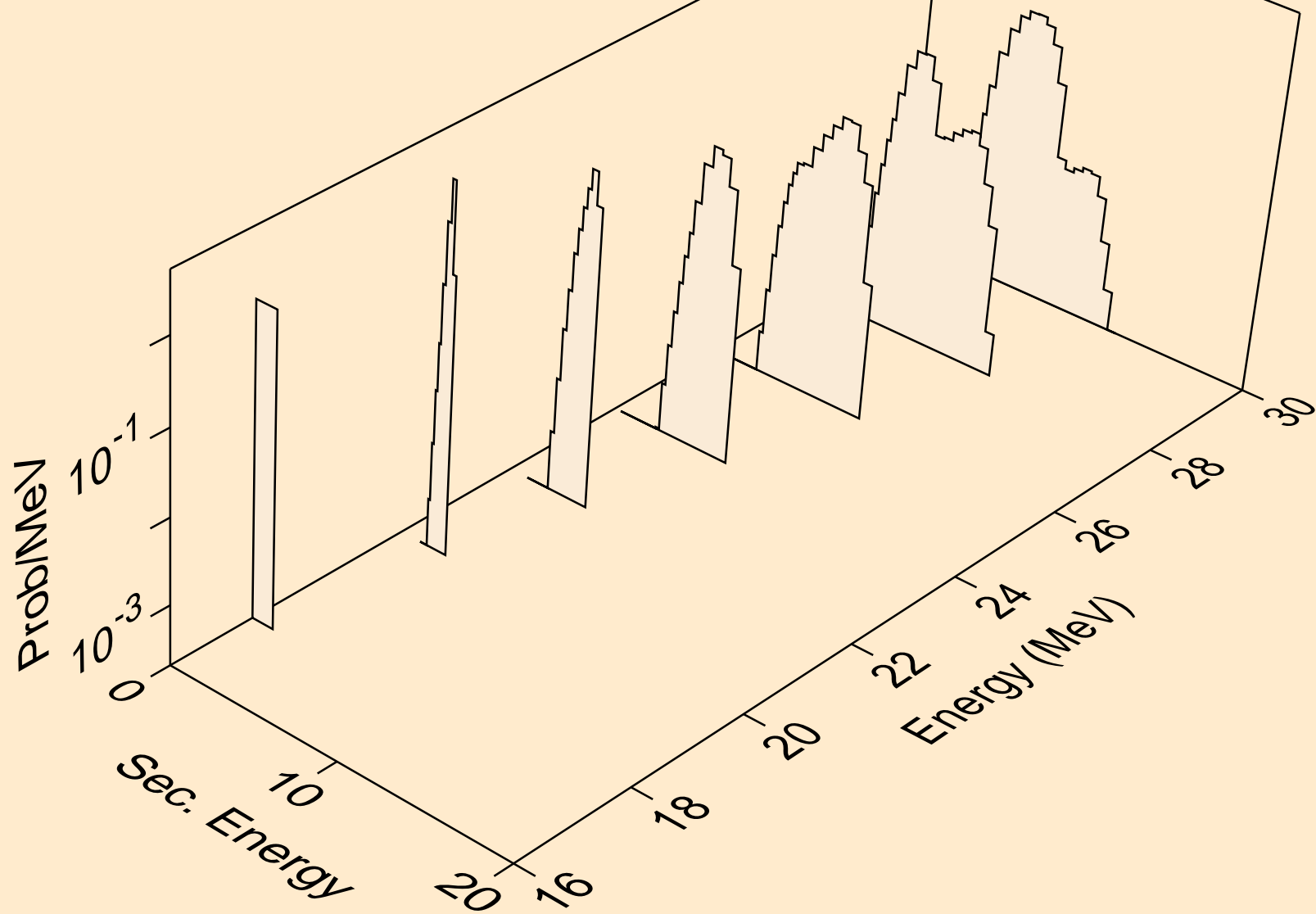
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neutrons from (a,npa)



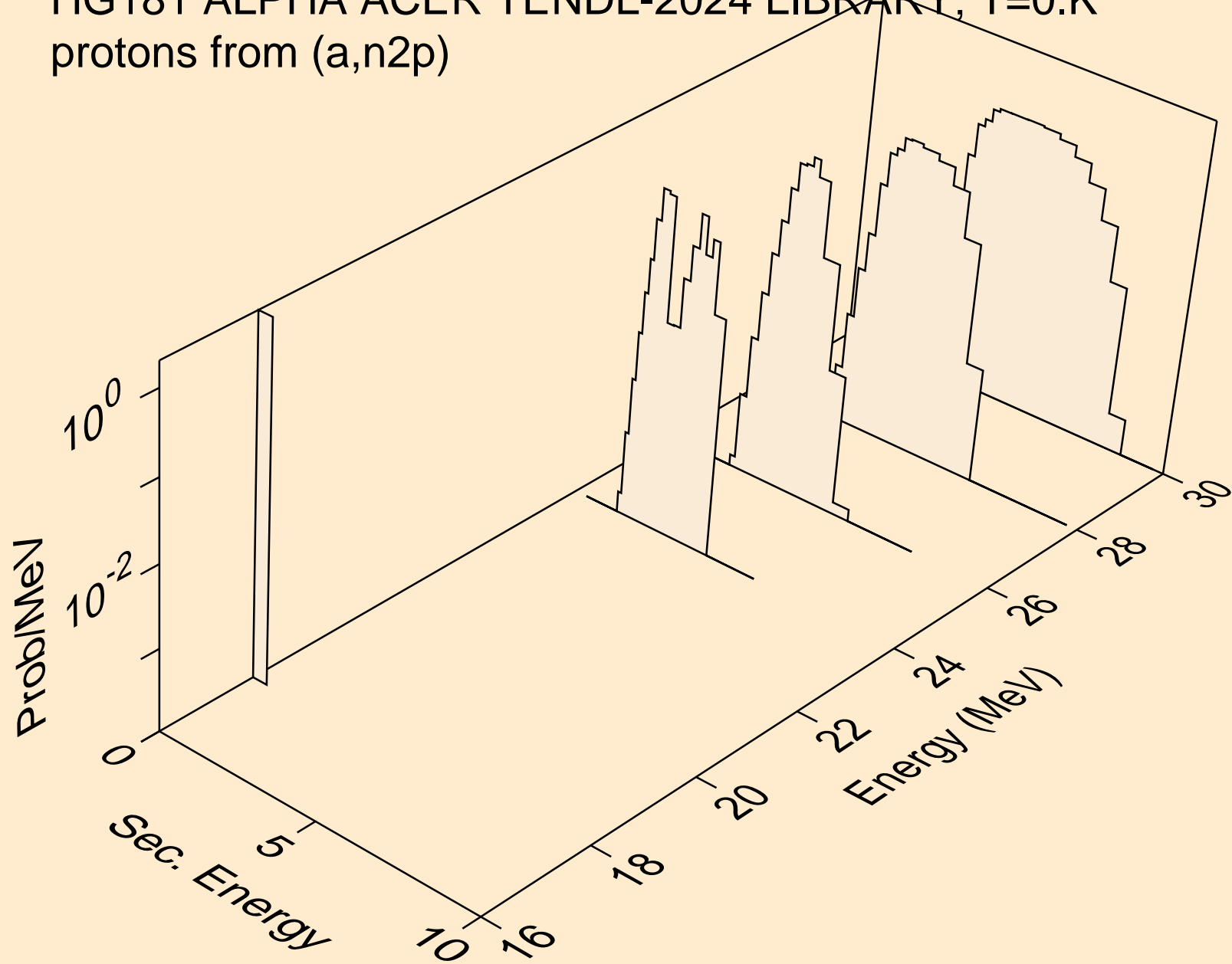
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protons from (a,x)



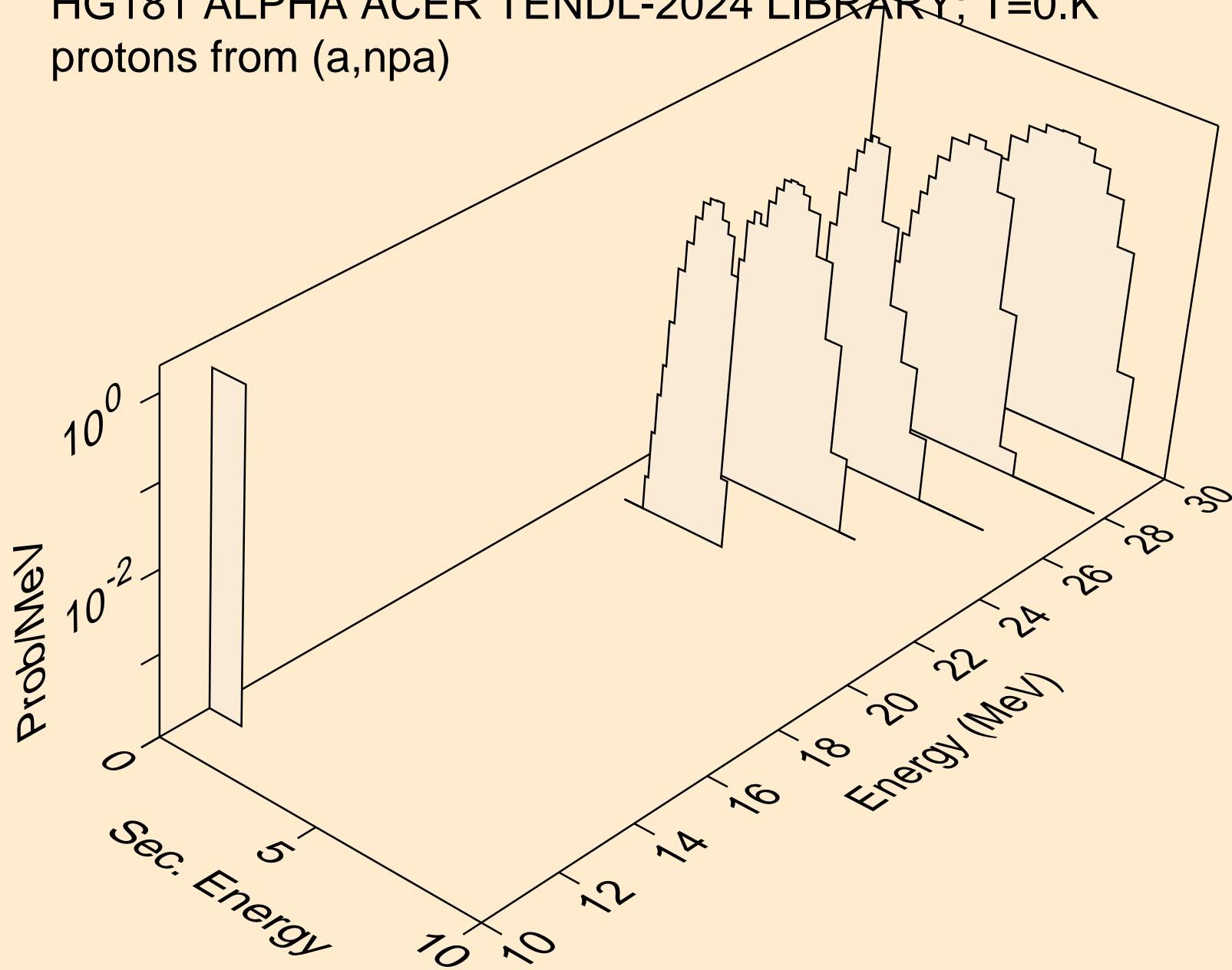
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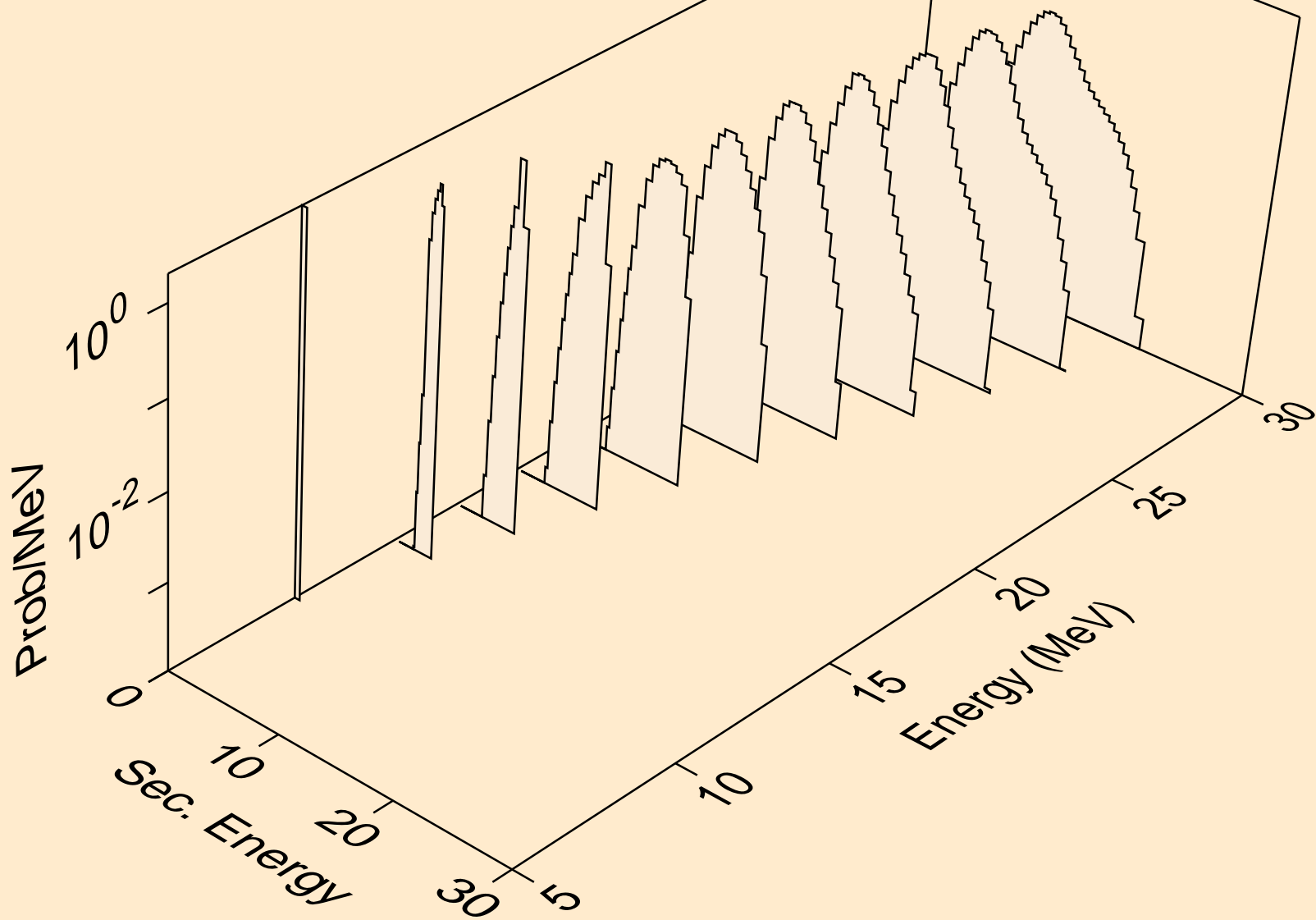
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protons from (a,n2p)



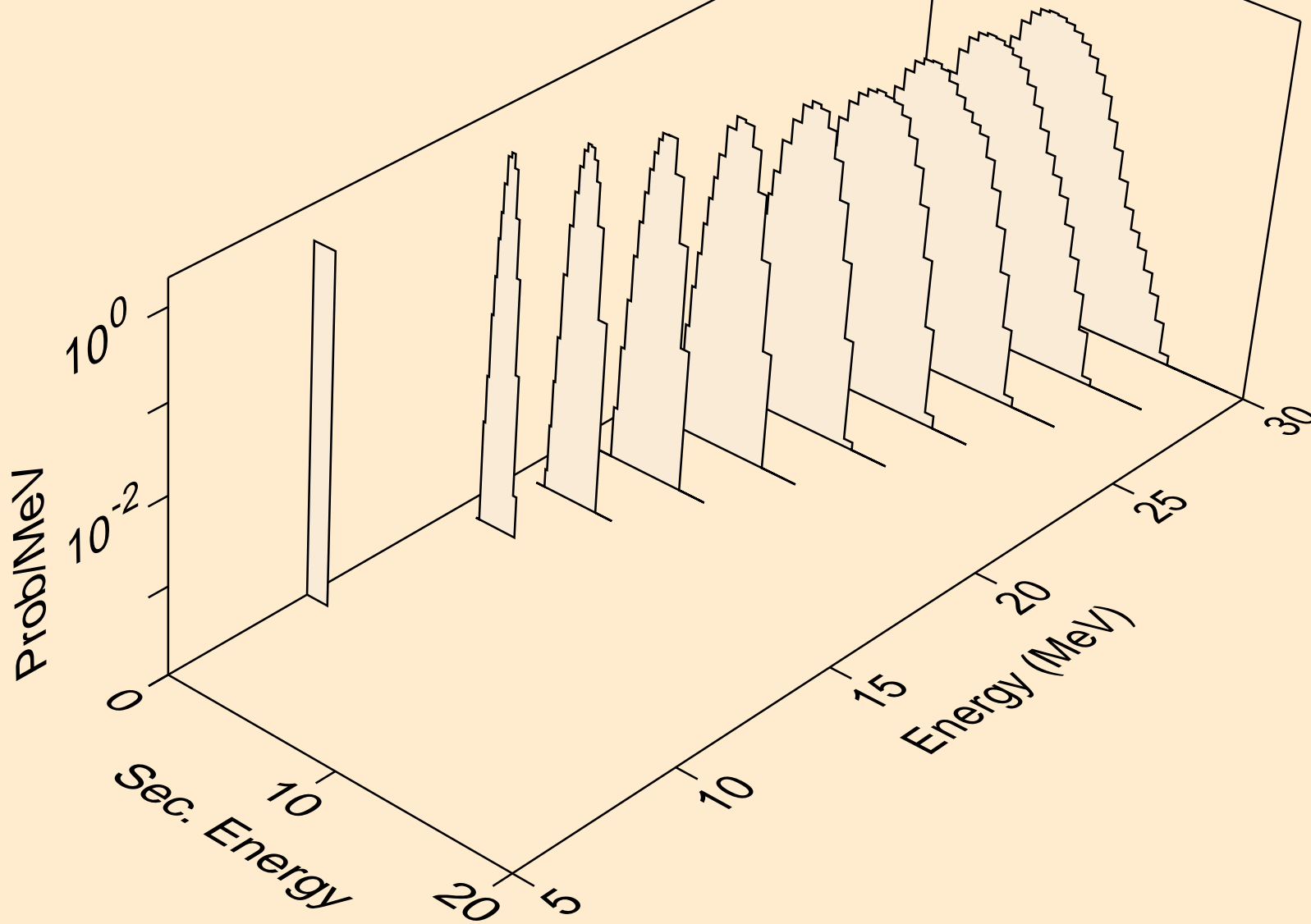
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protons from (a,npa)



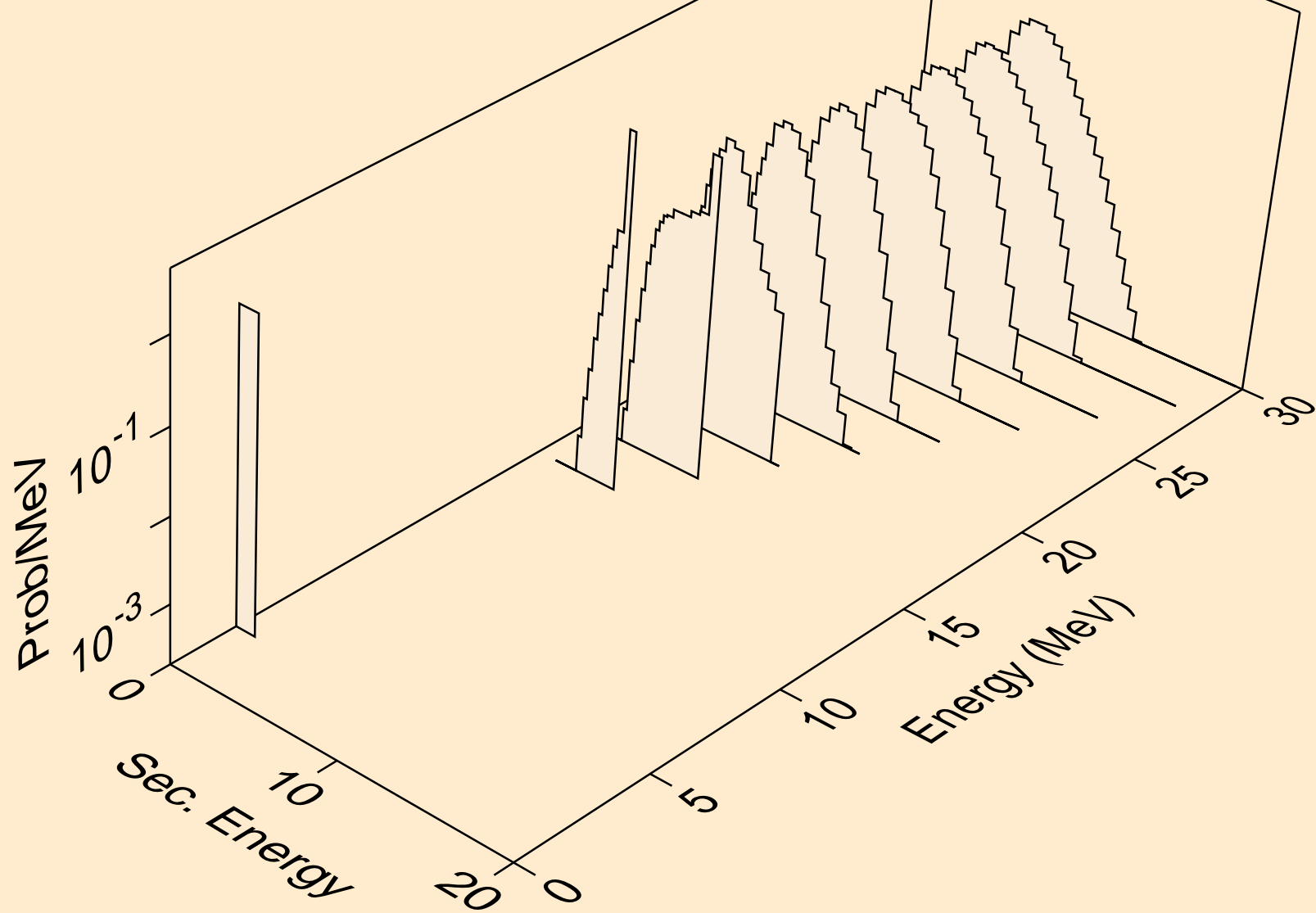
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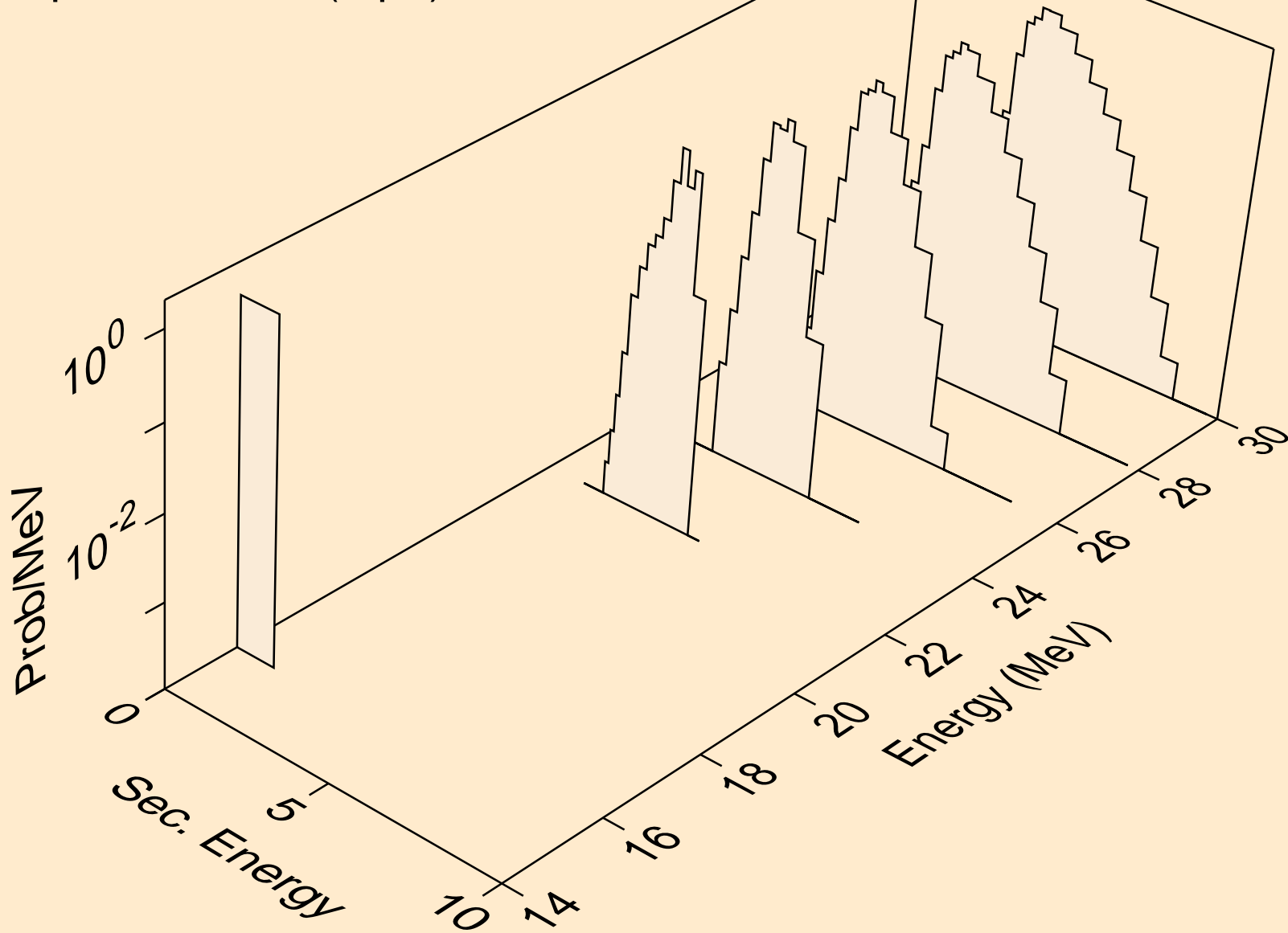
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protons from (a,2p)



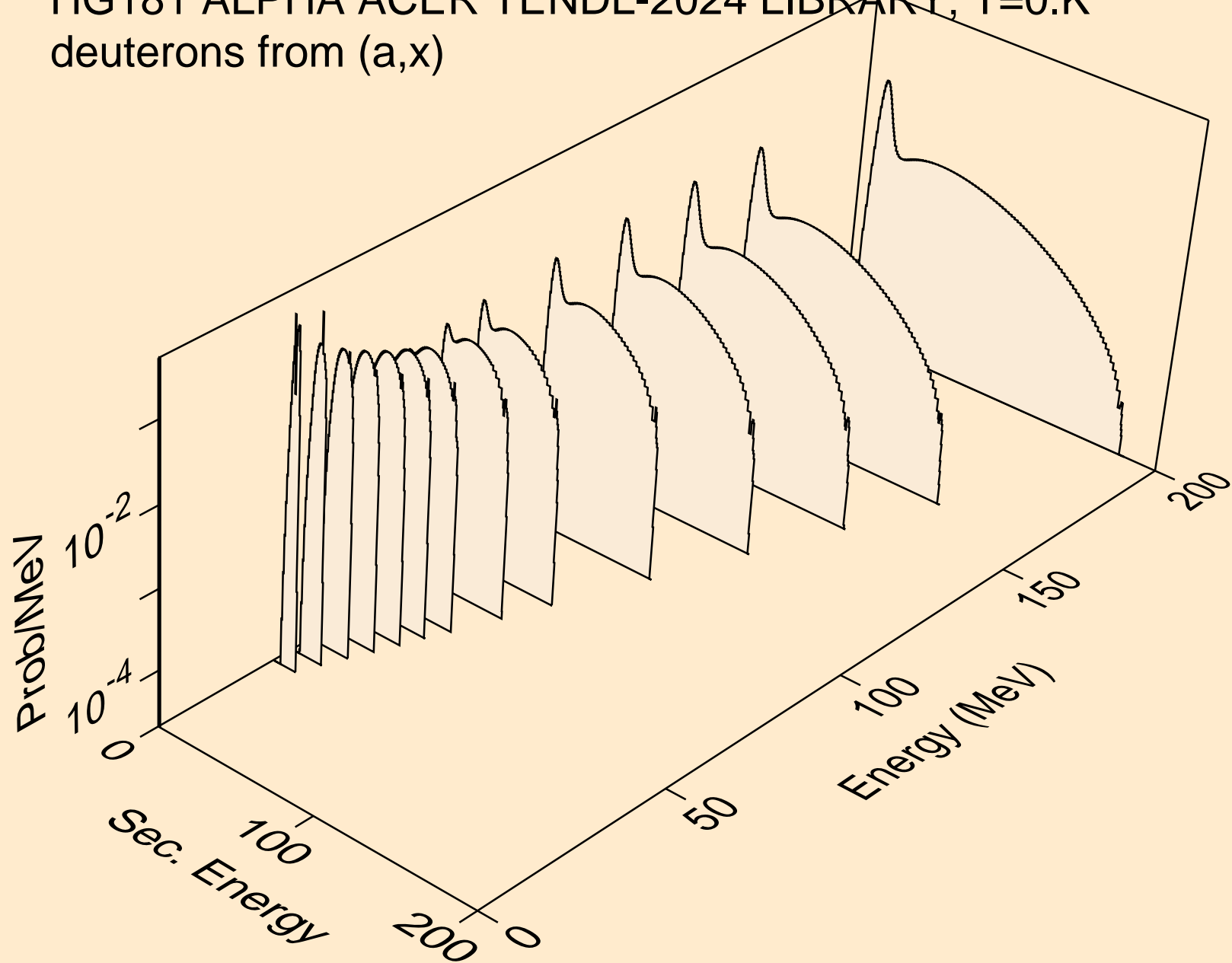
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protons from (a,pa)



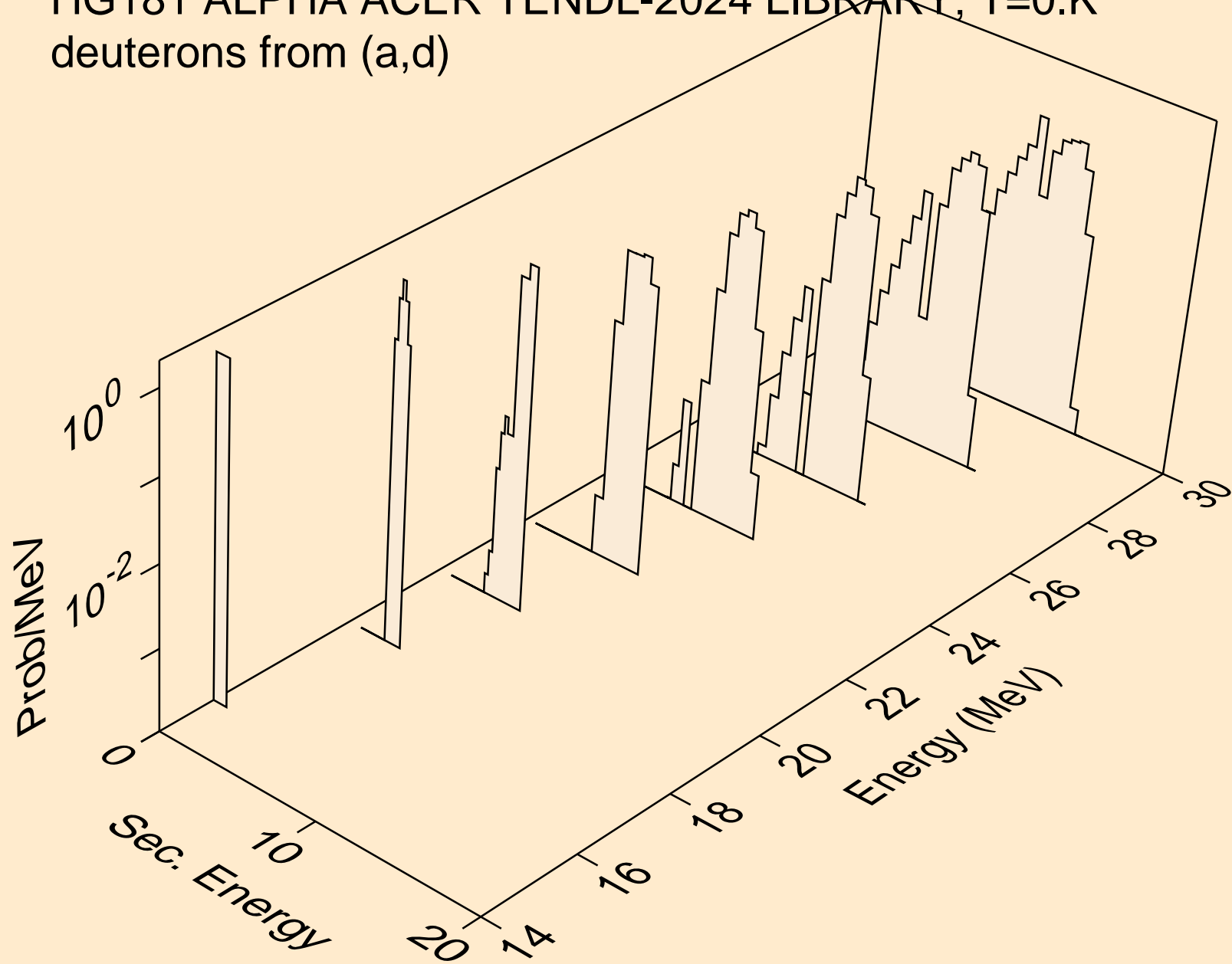
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protons from (a,pd)



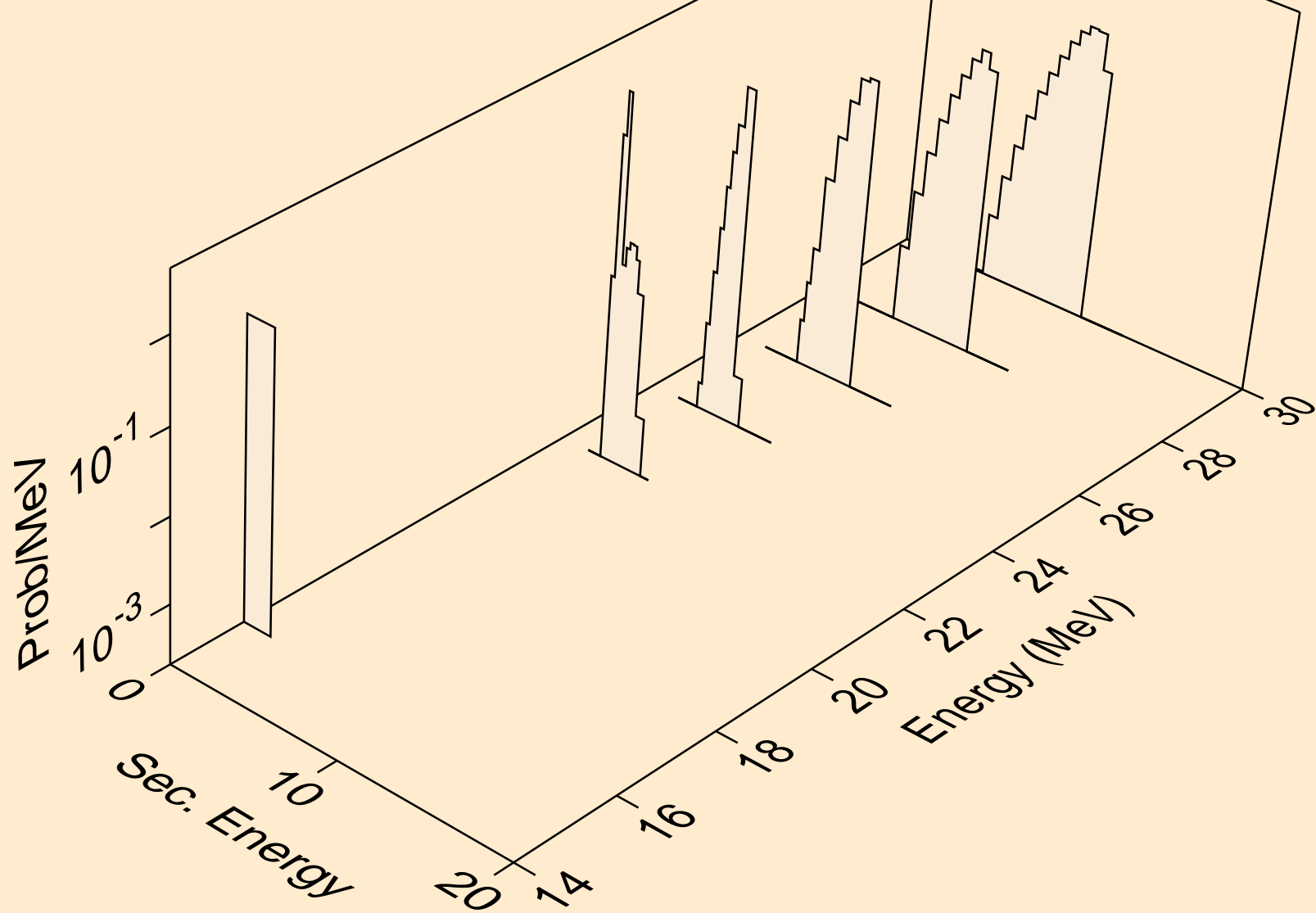
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deuterons from (a,x)



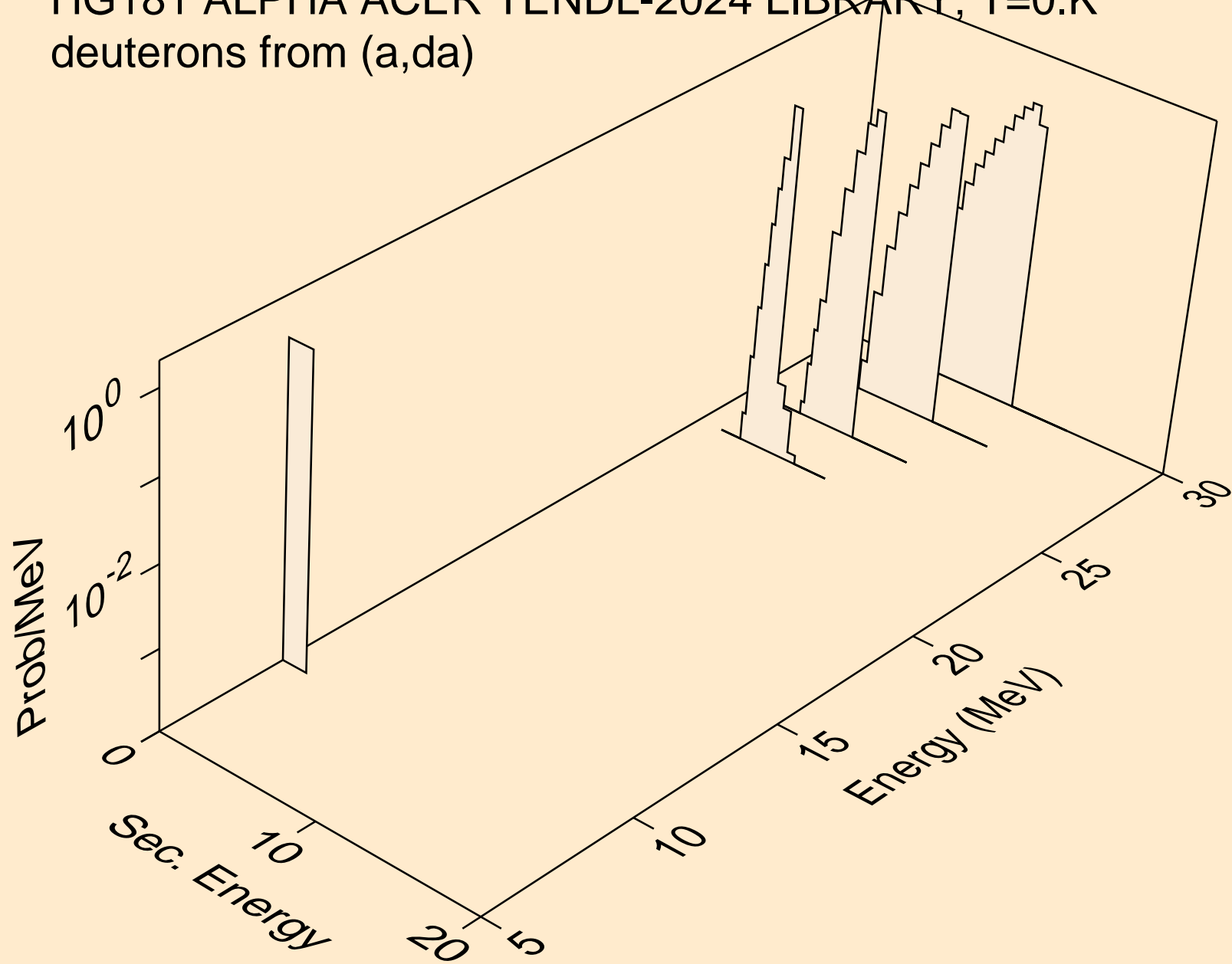
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deuterons from (a,d)



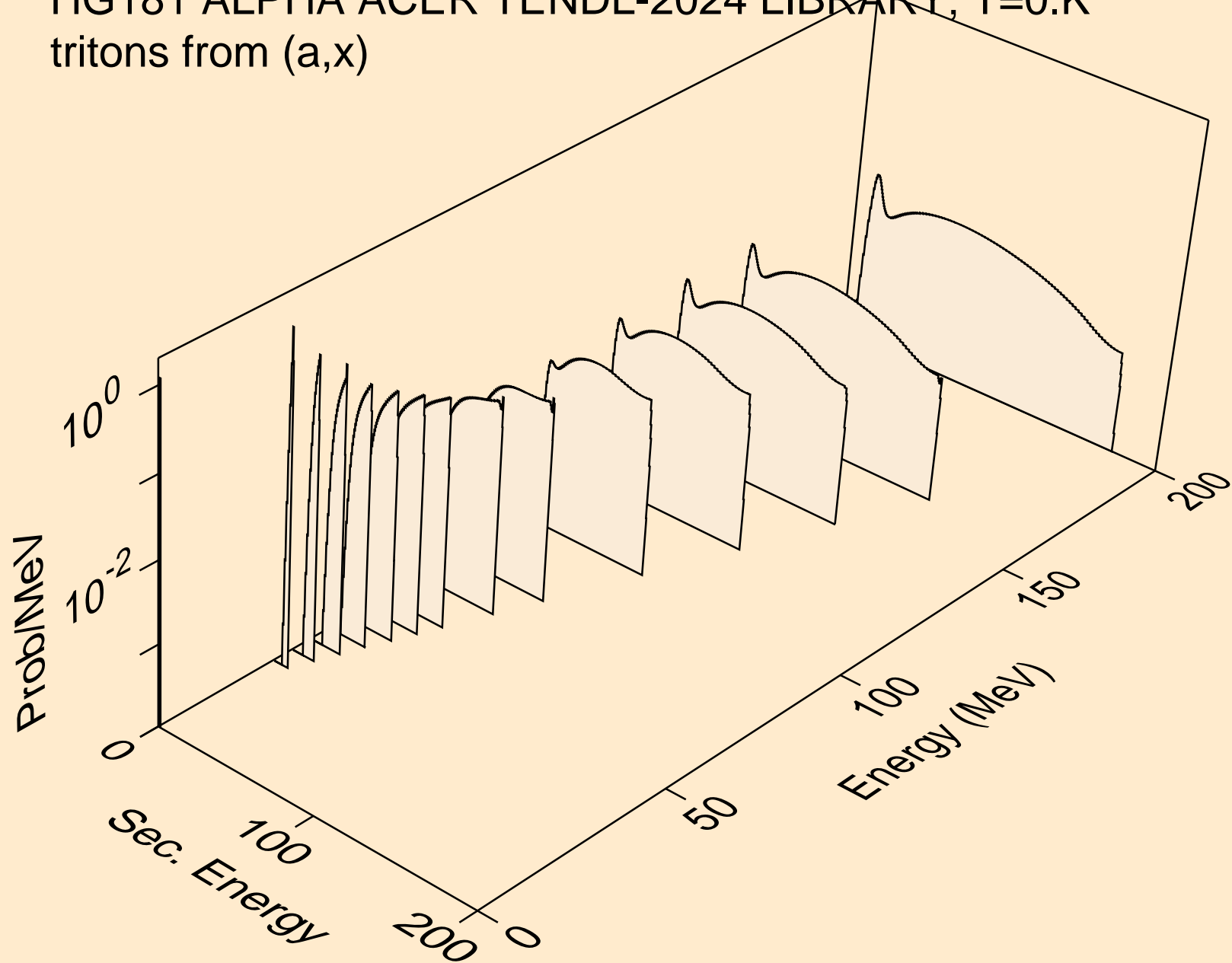
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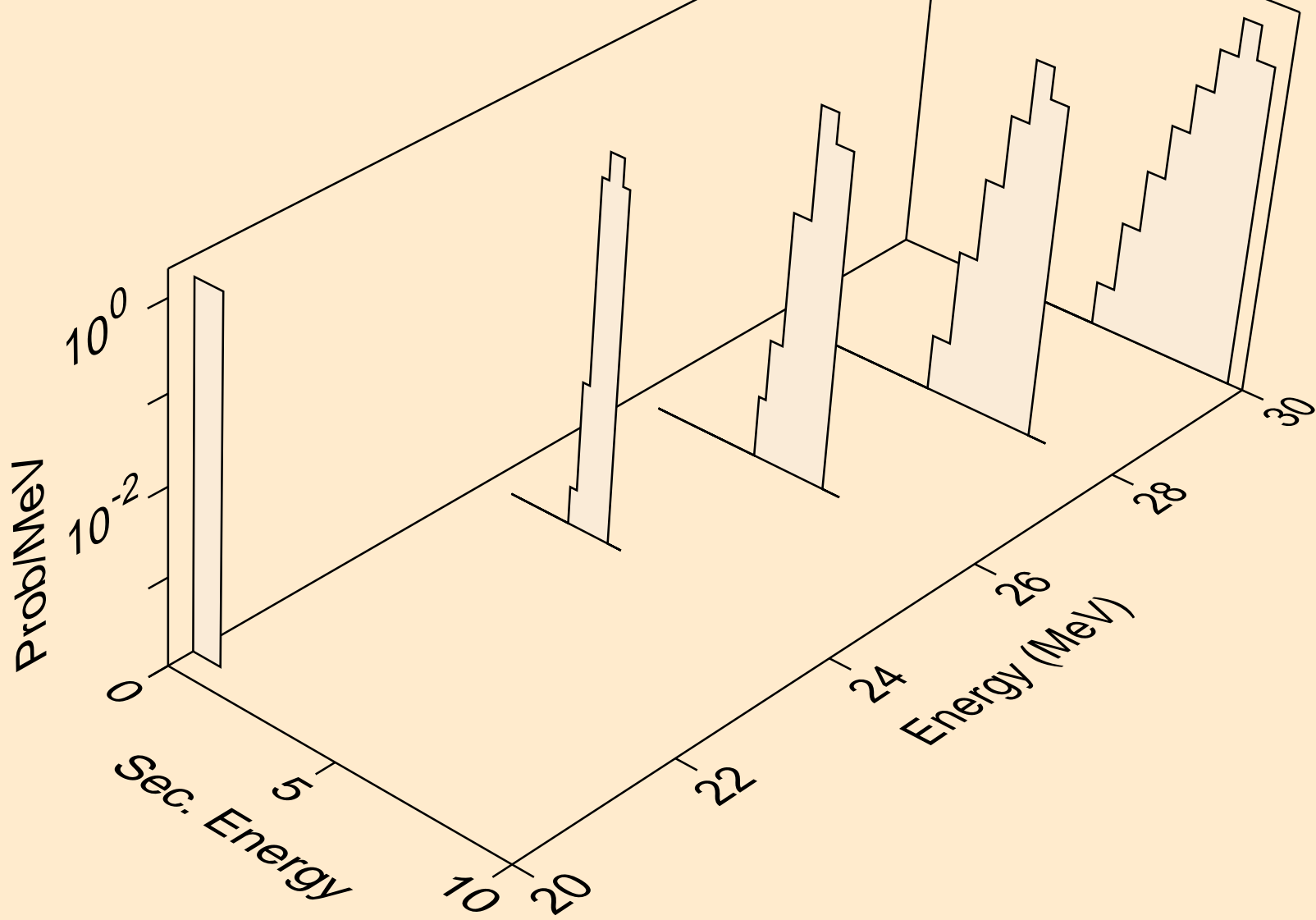
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deuterons from (a,da)



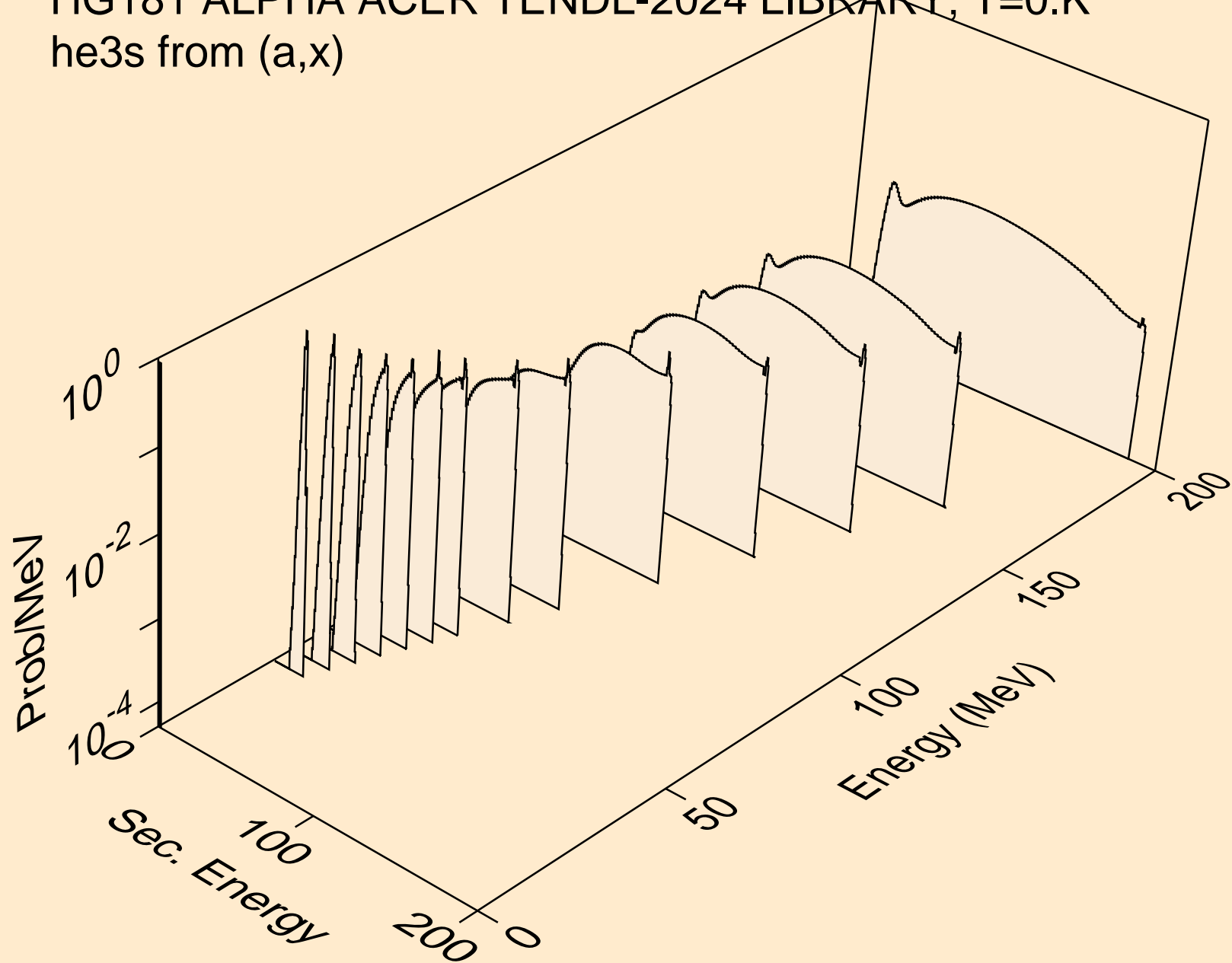
HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (a,x)



HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (a,t)



HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (a,x)



HG181 ALPHA ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (a,he3)

