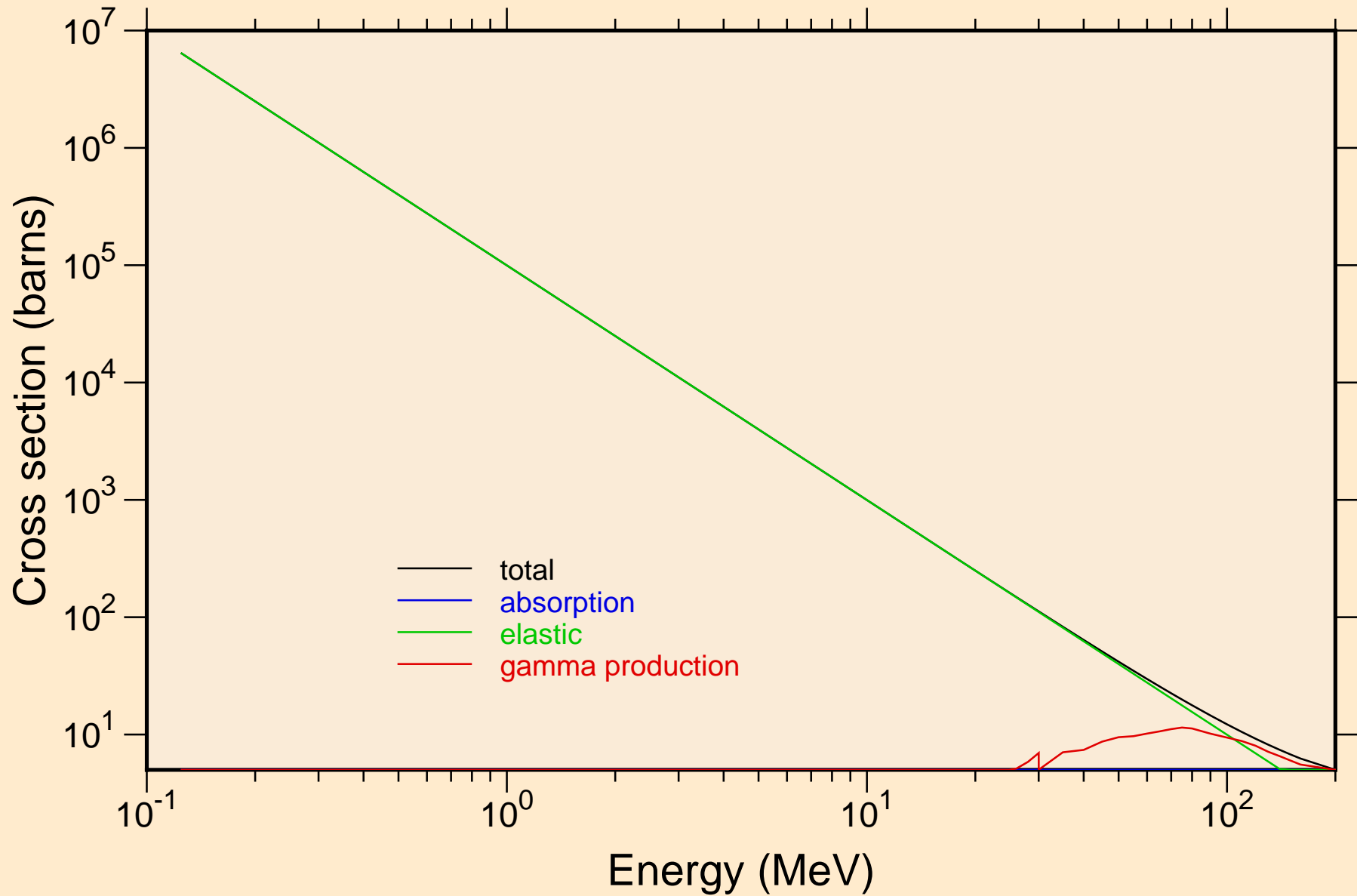
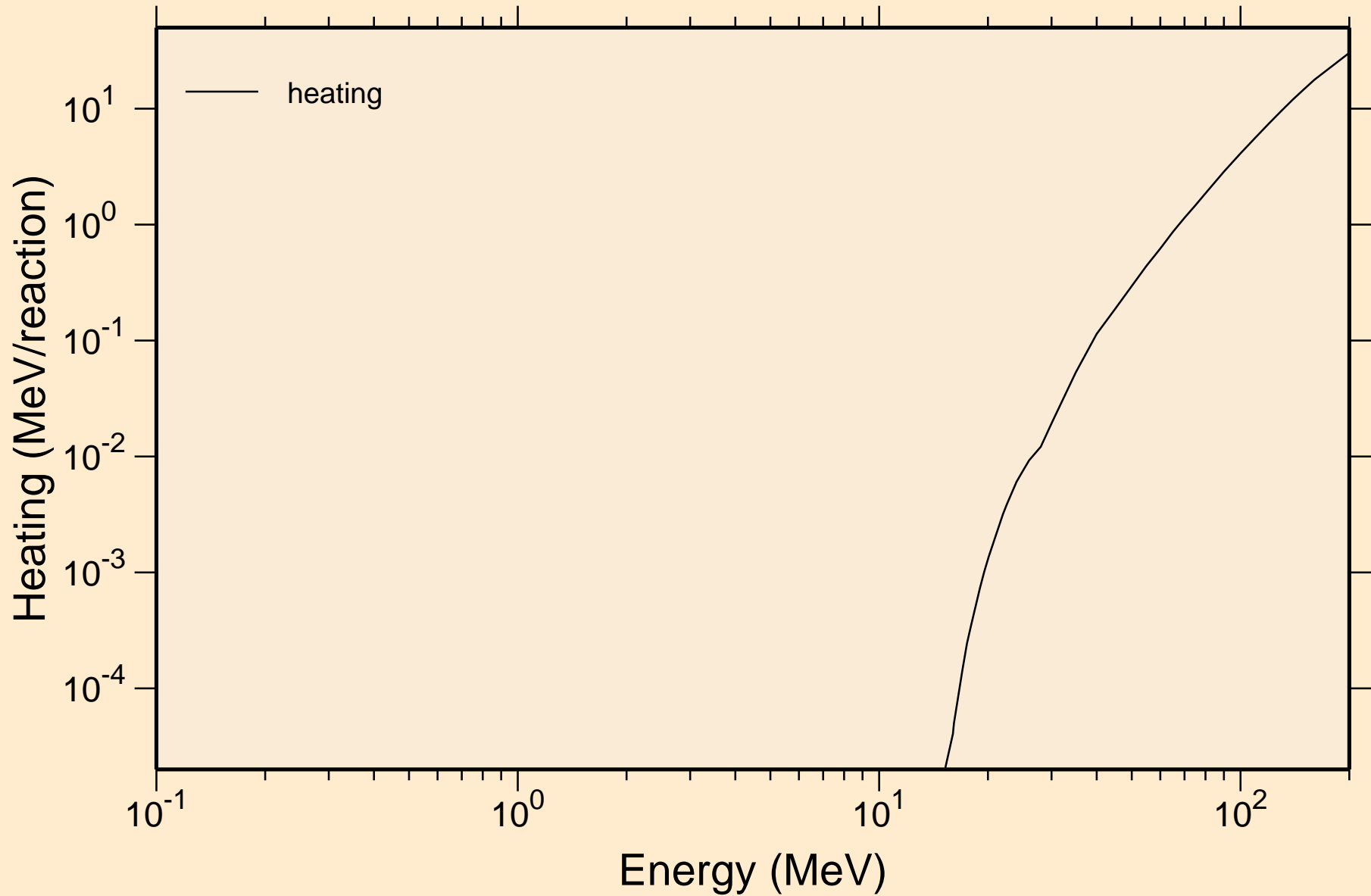


SM143M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



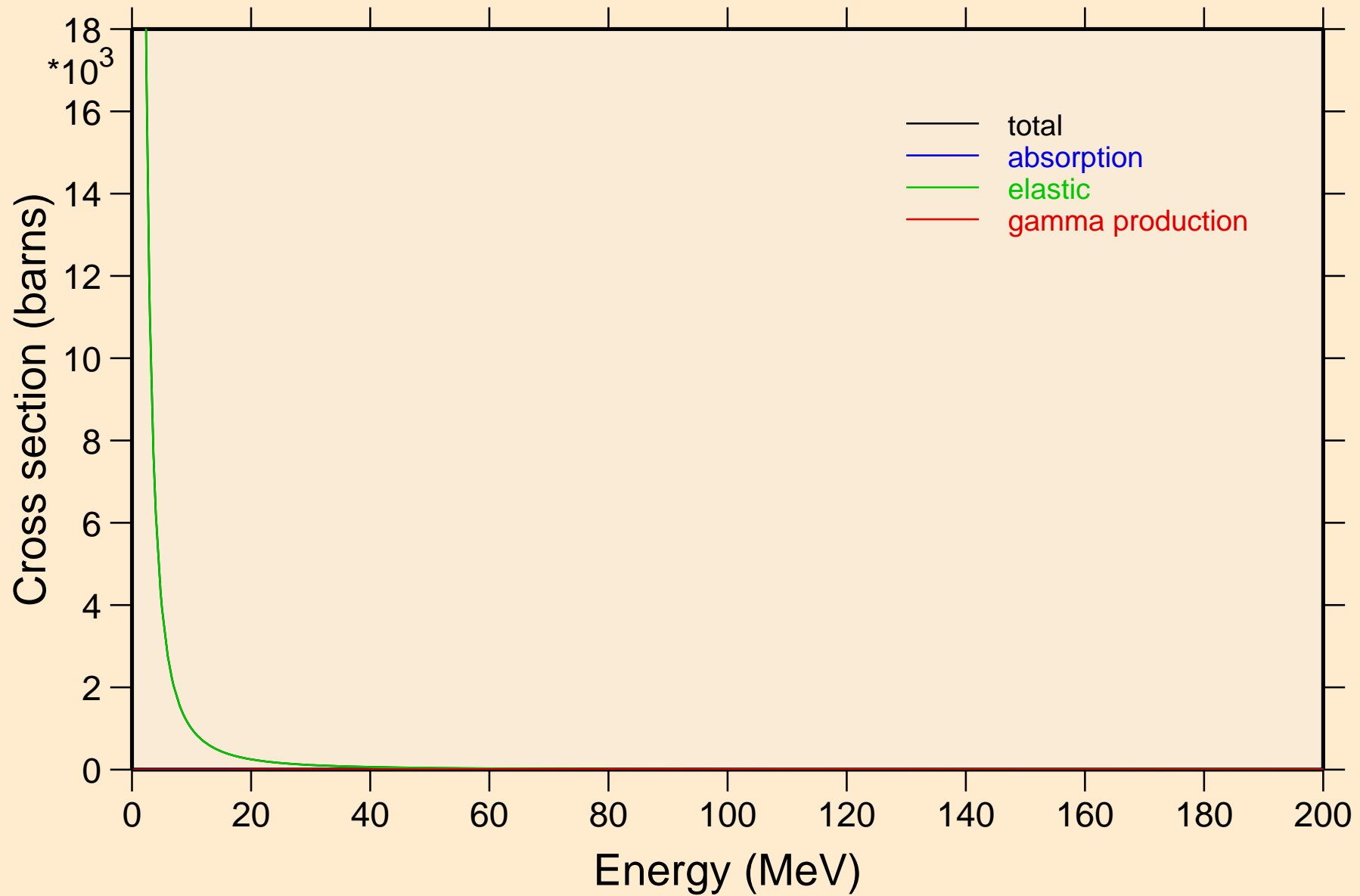
# SM143M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Heating



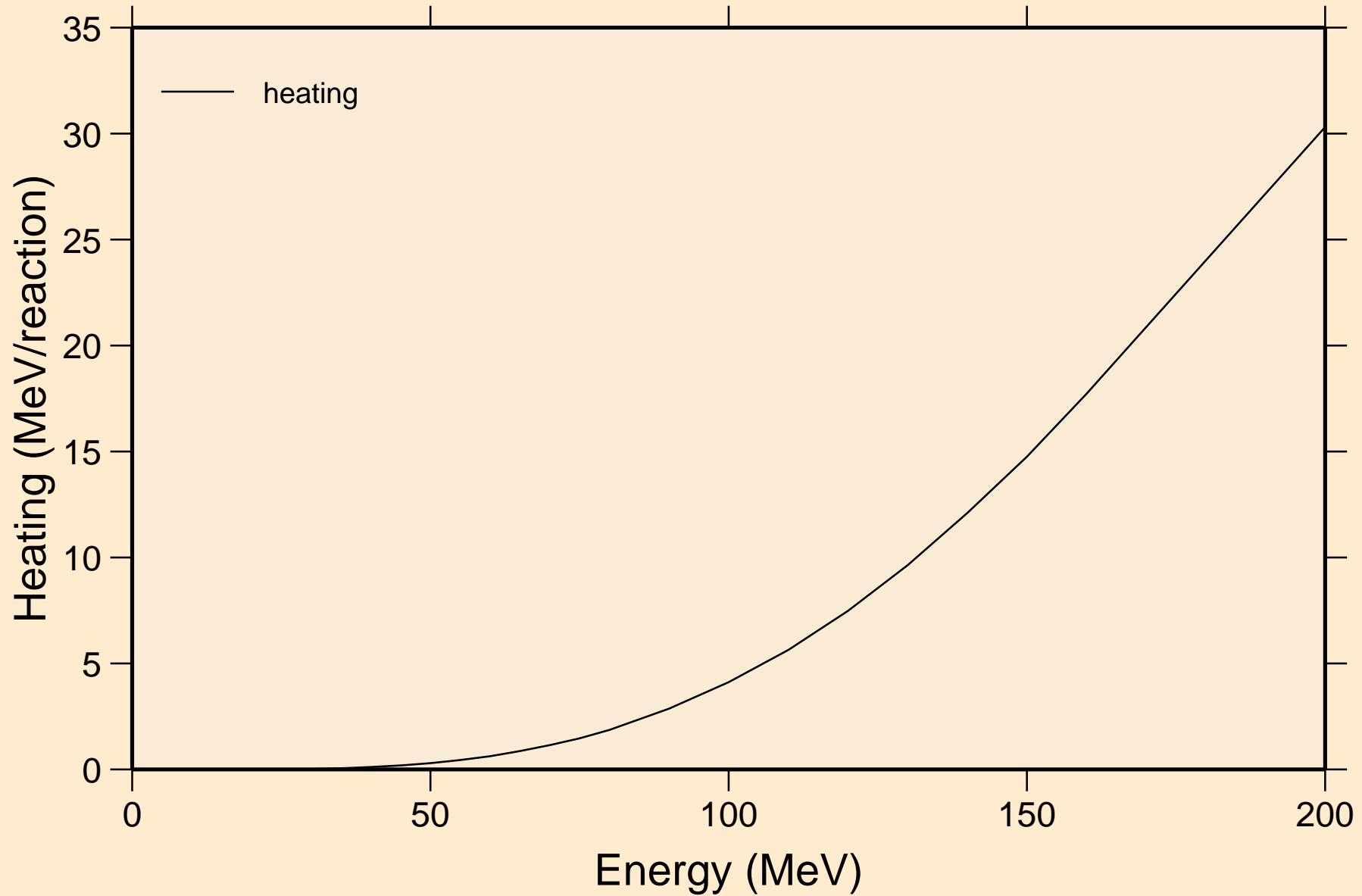
# SM143M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

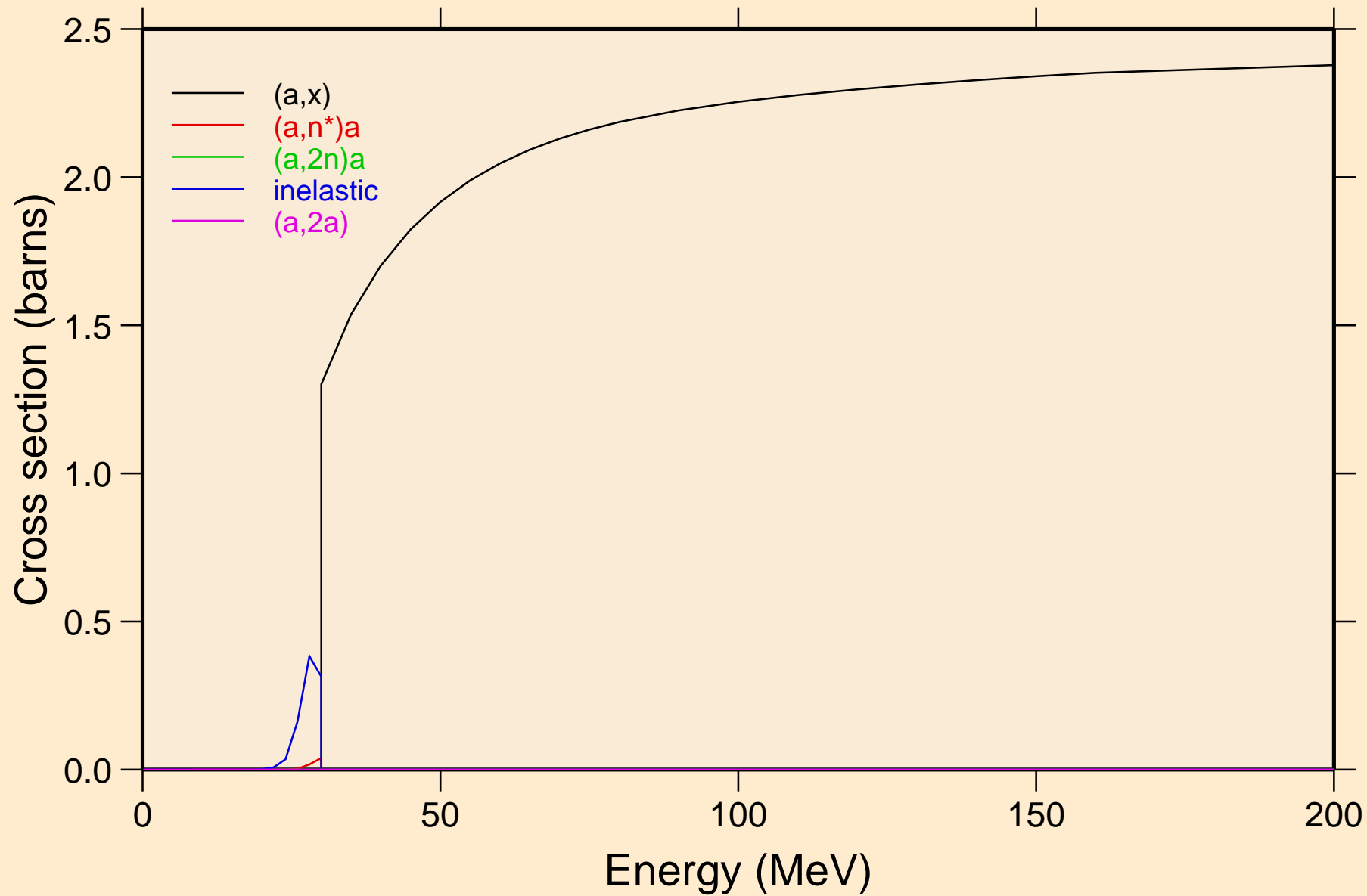


SM143M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

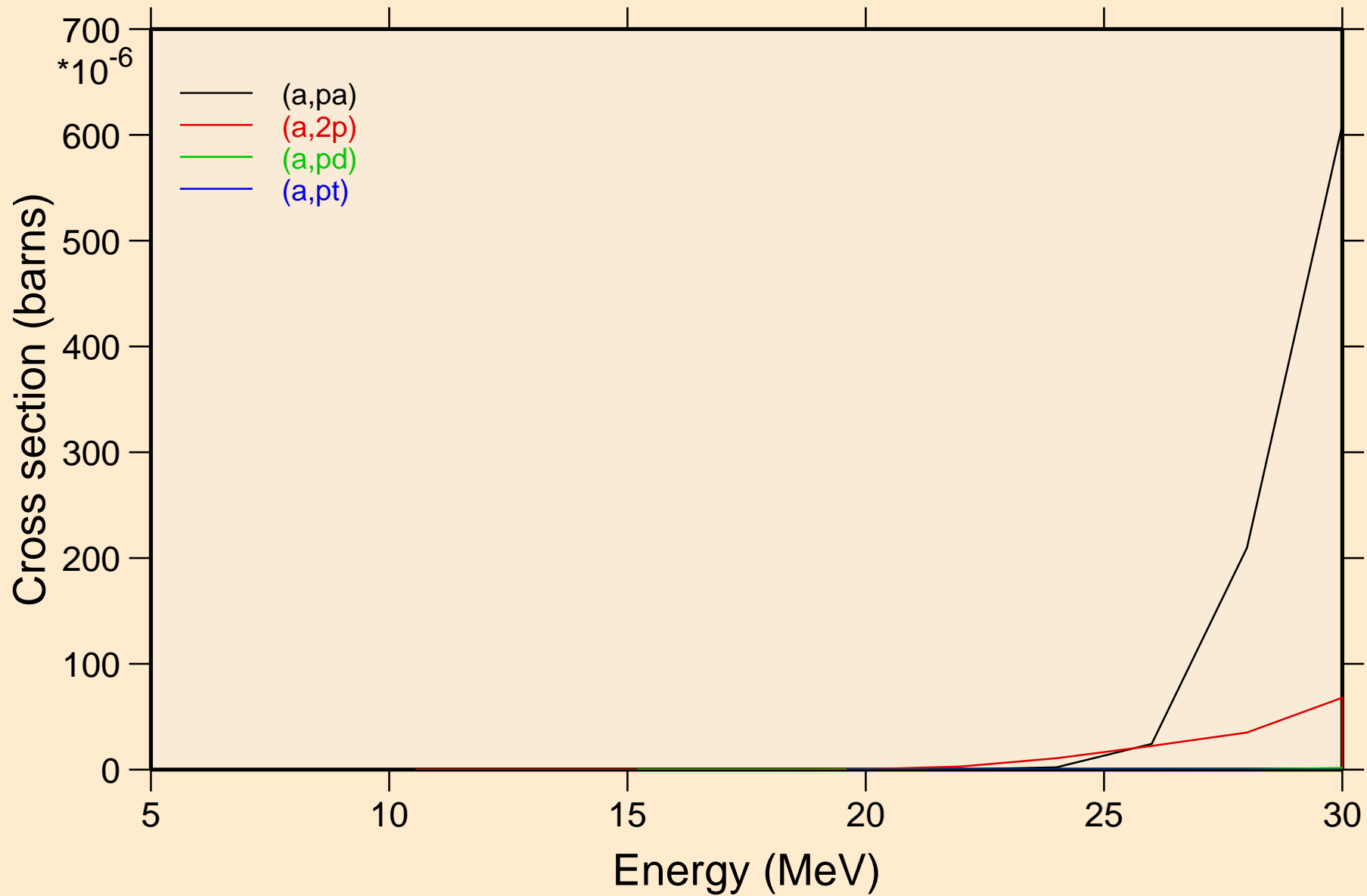
Heating



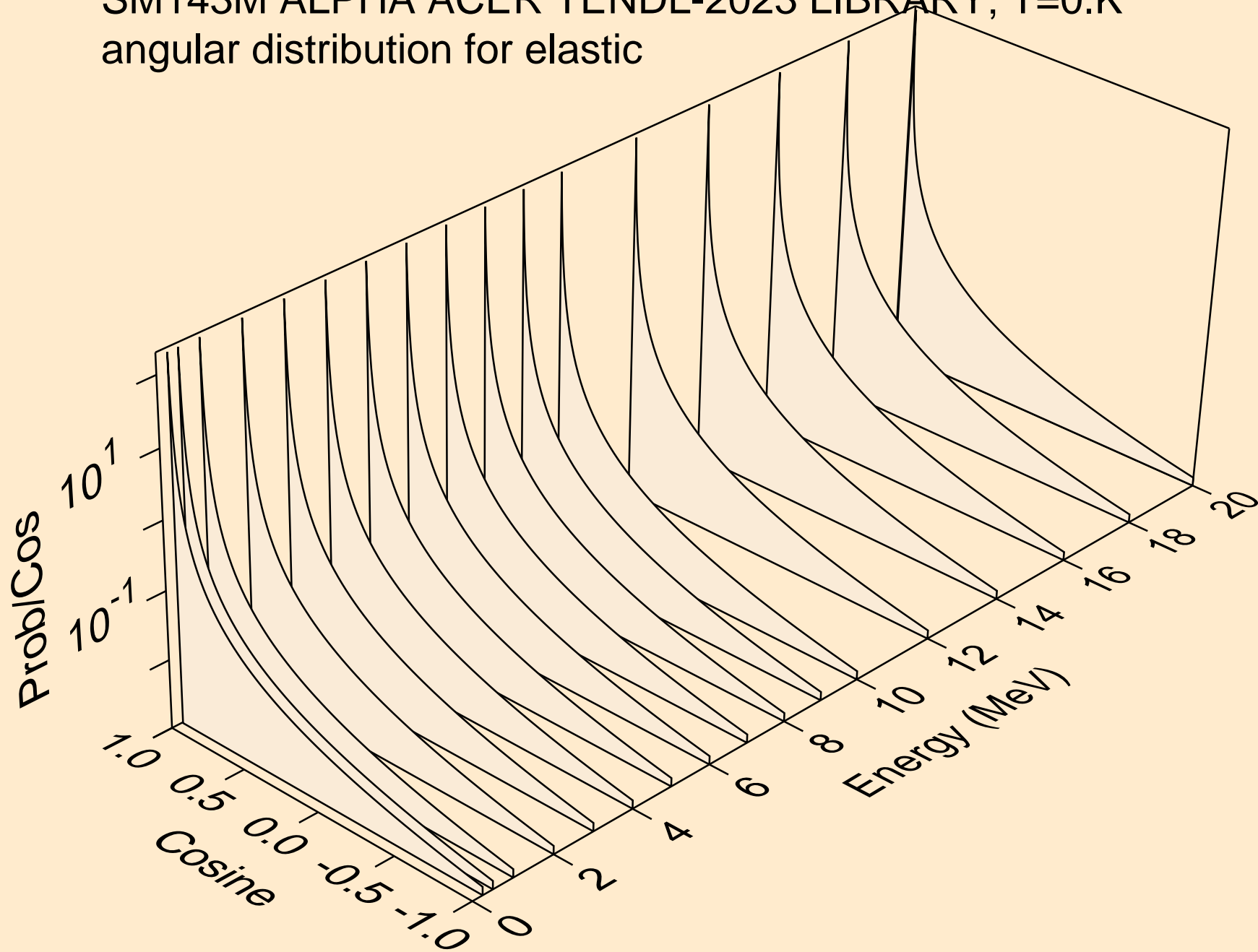
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Threshold reactions



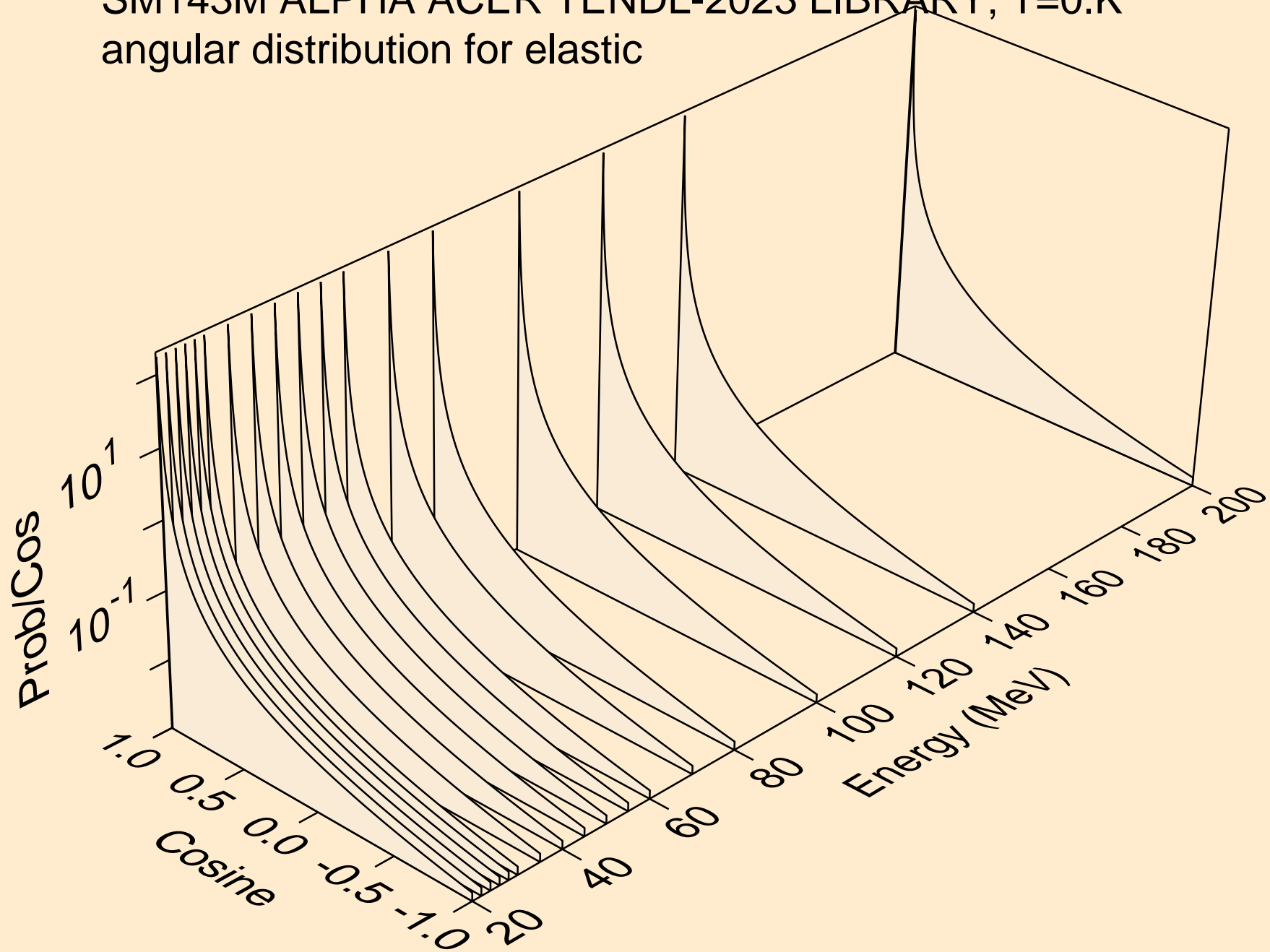
SM143M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



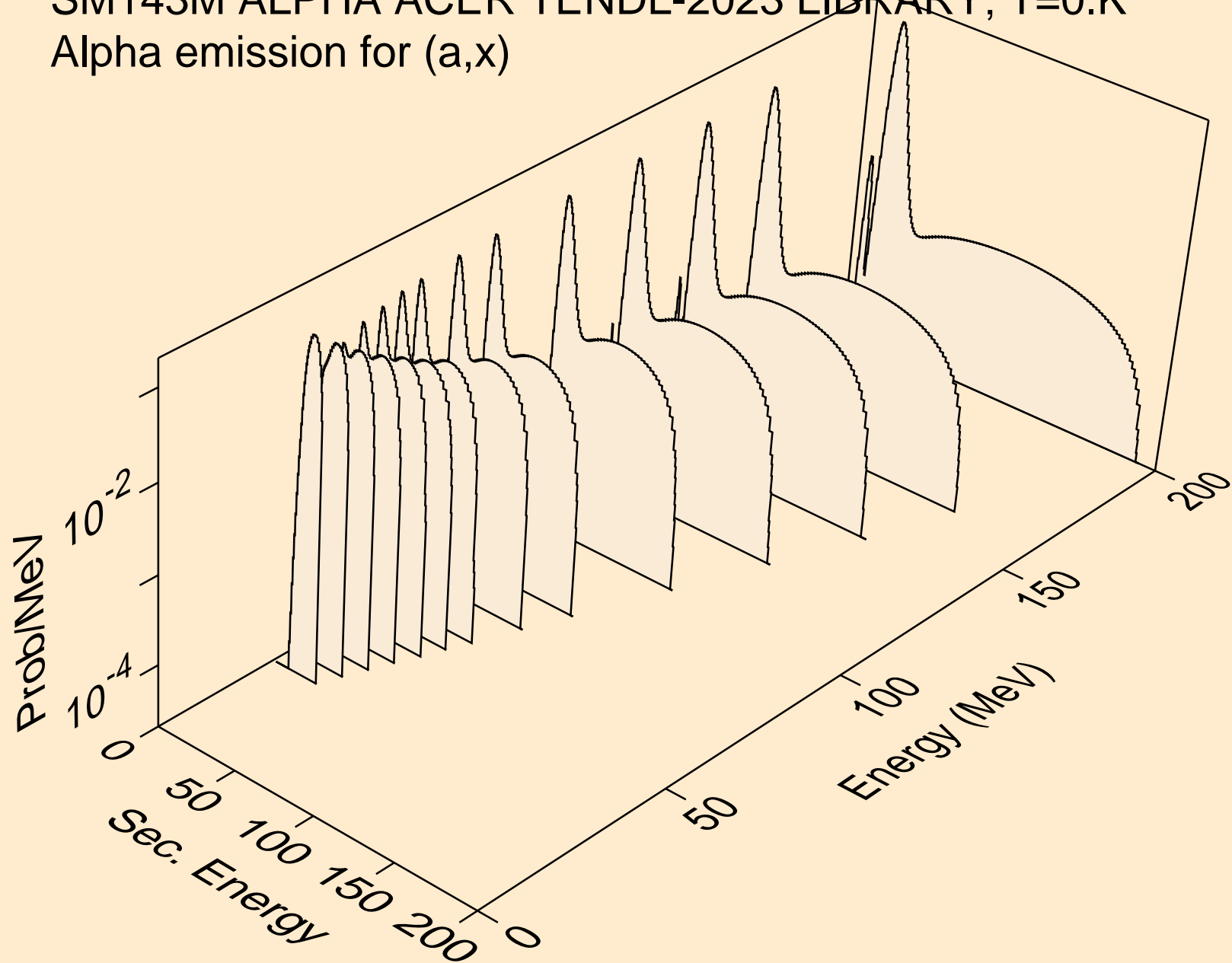
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angular distribution for elastic



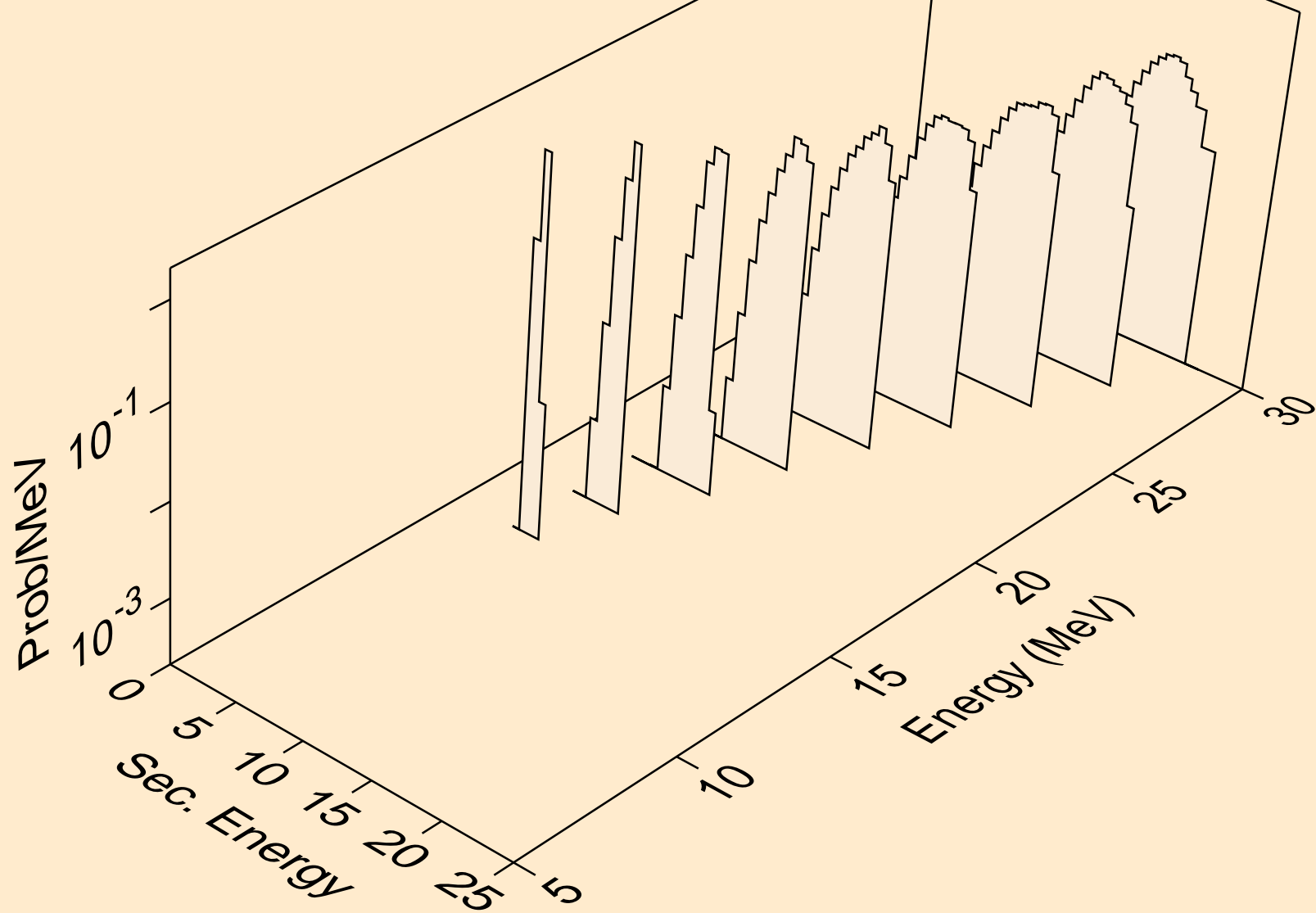
SM143M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



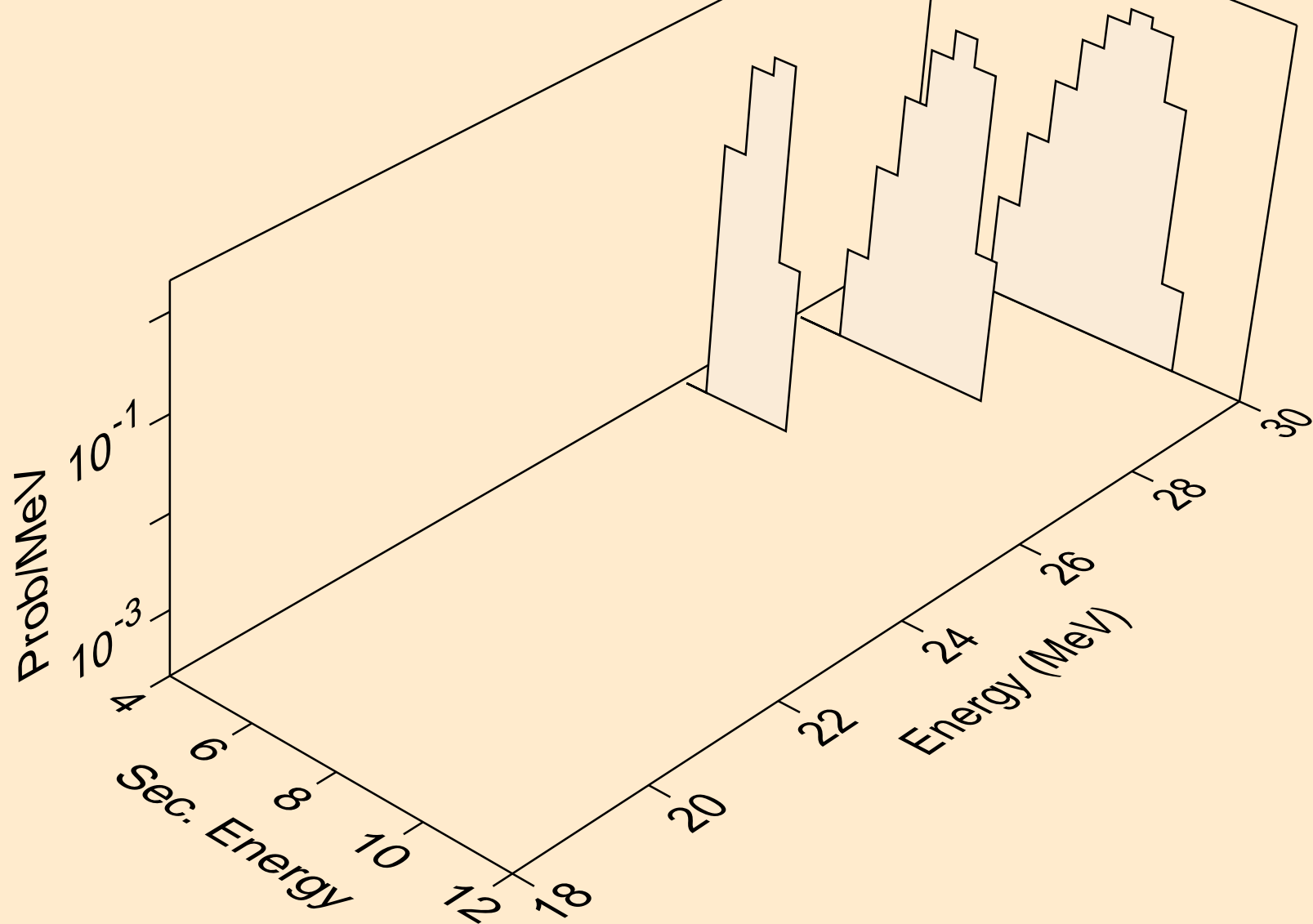
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Alpha emission for (a,x)



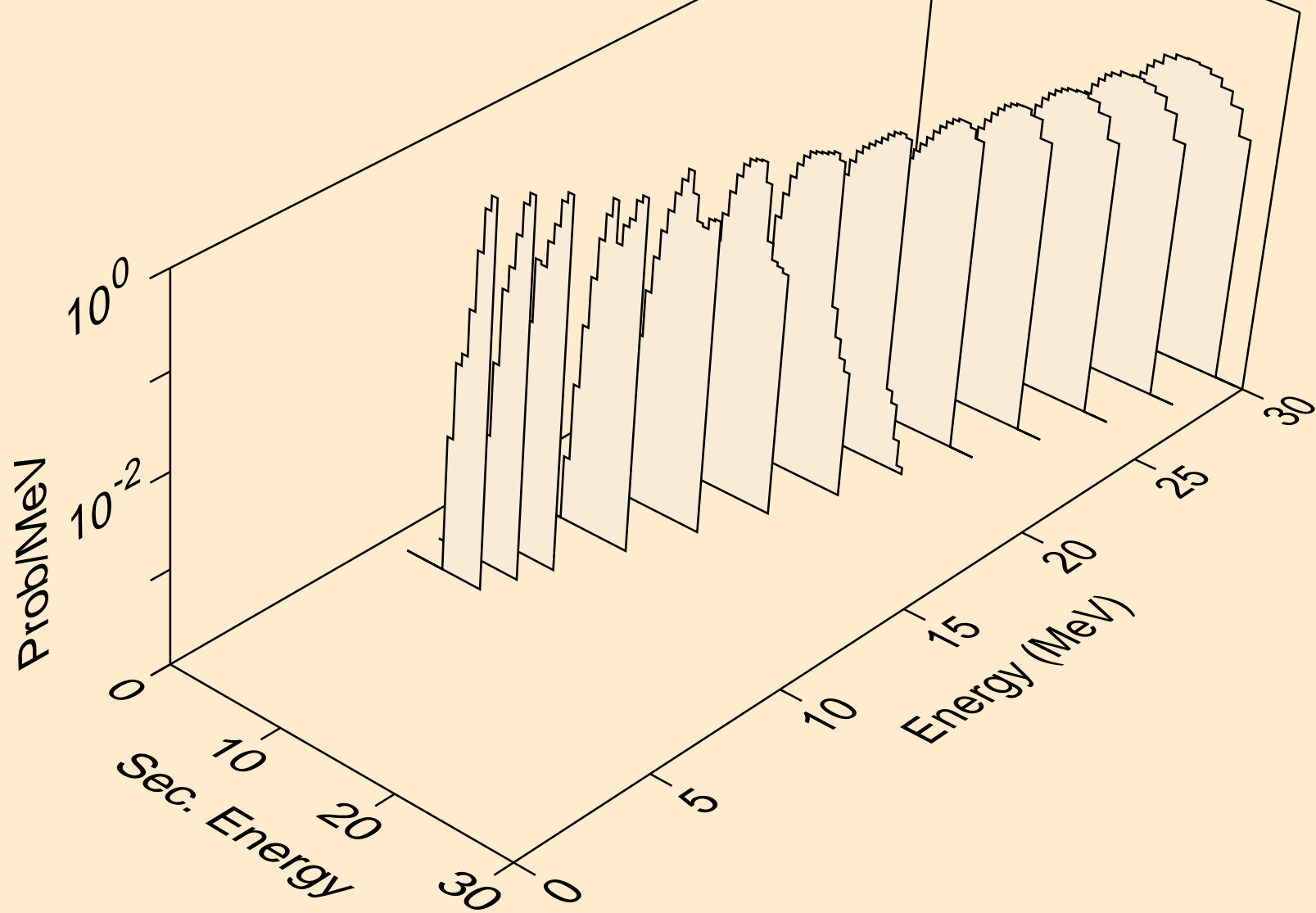
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Alpha emission for (a,n\*)a



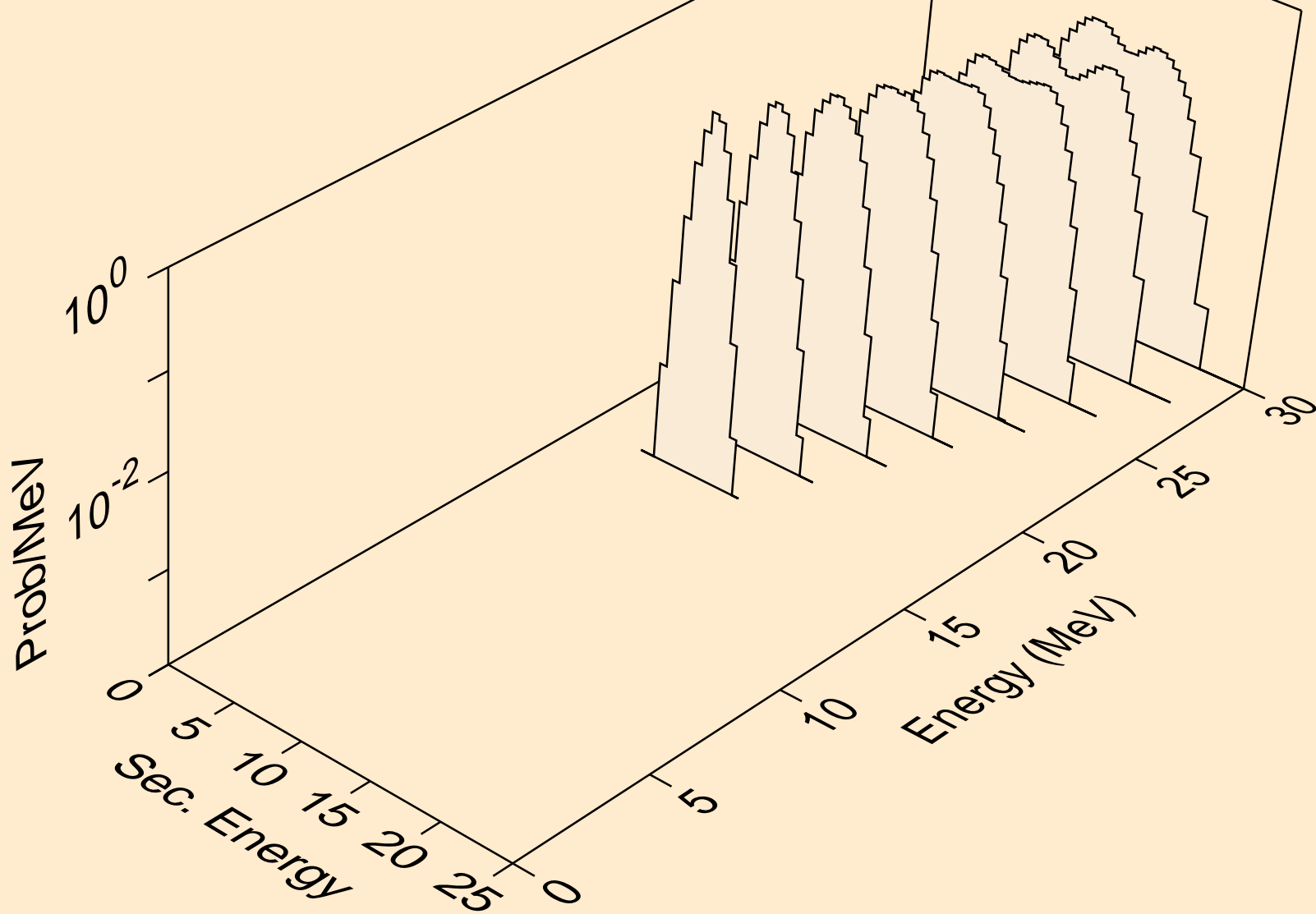
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Alpha emission for (a,2n)a



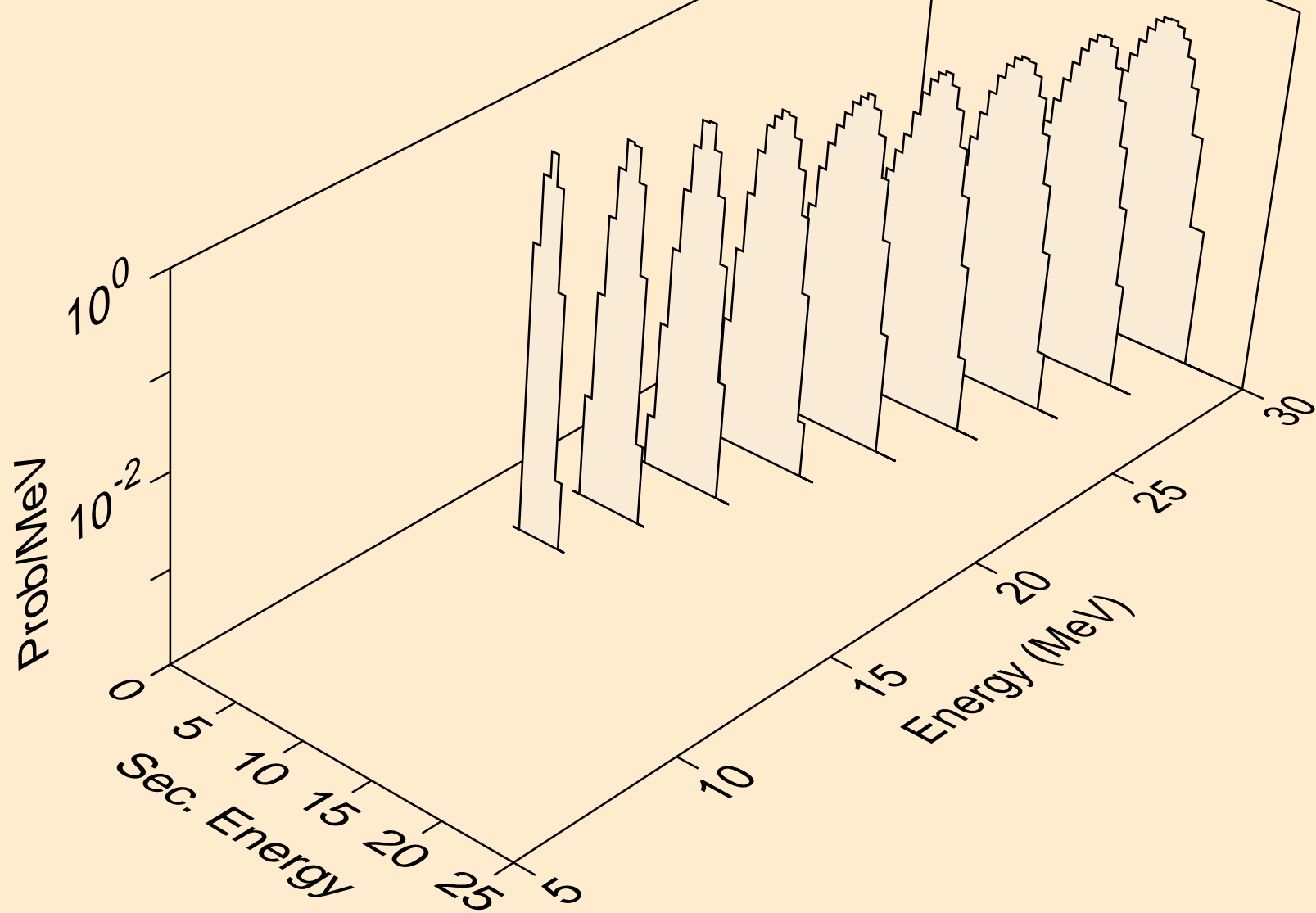
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Alpha emission for inelastic



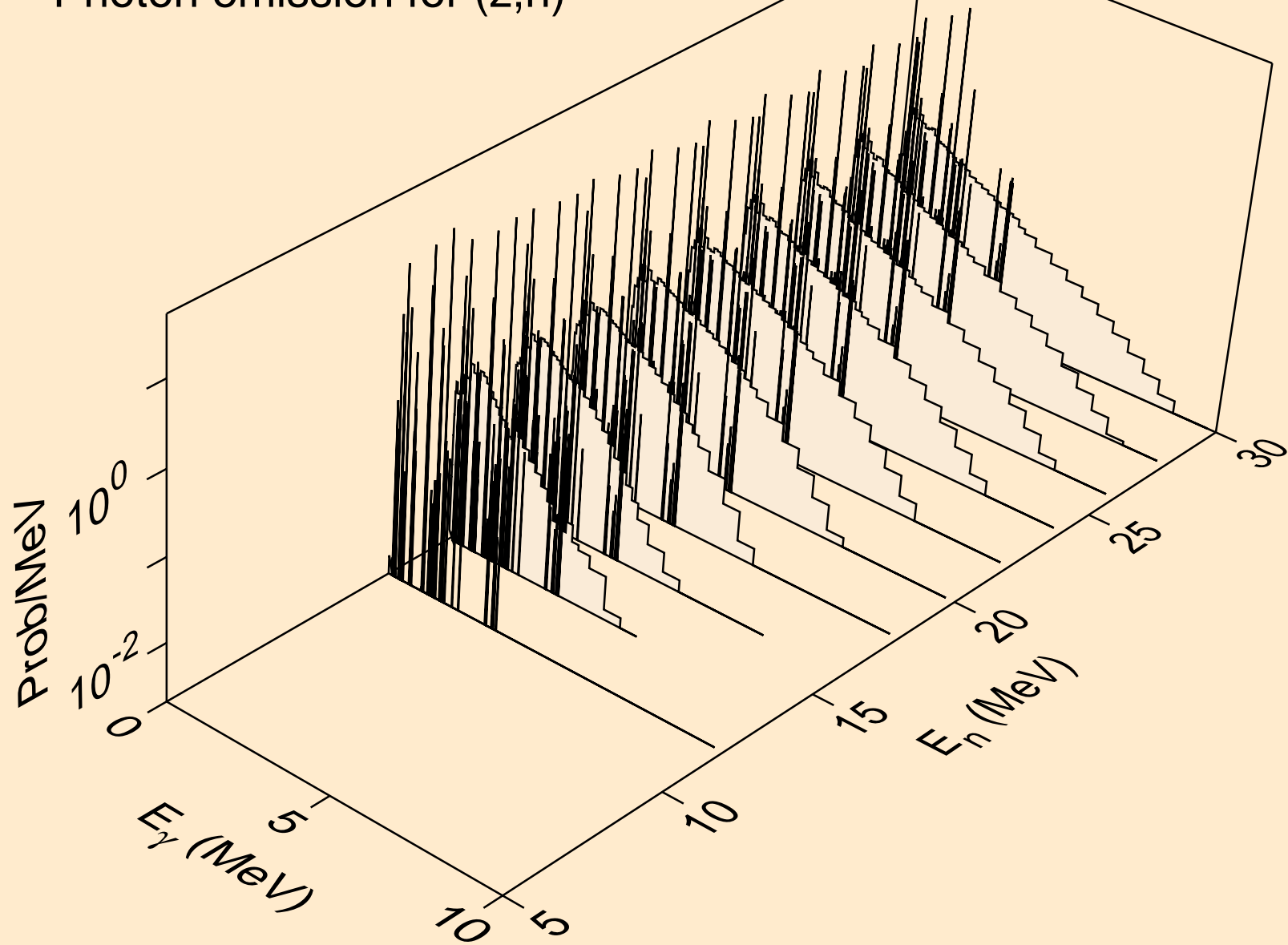
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Alpha emission for (a,2a)



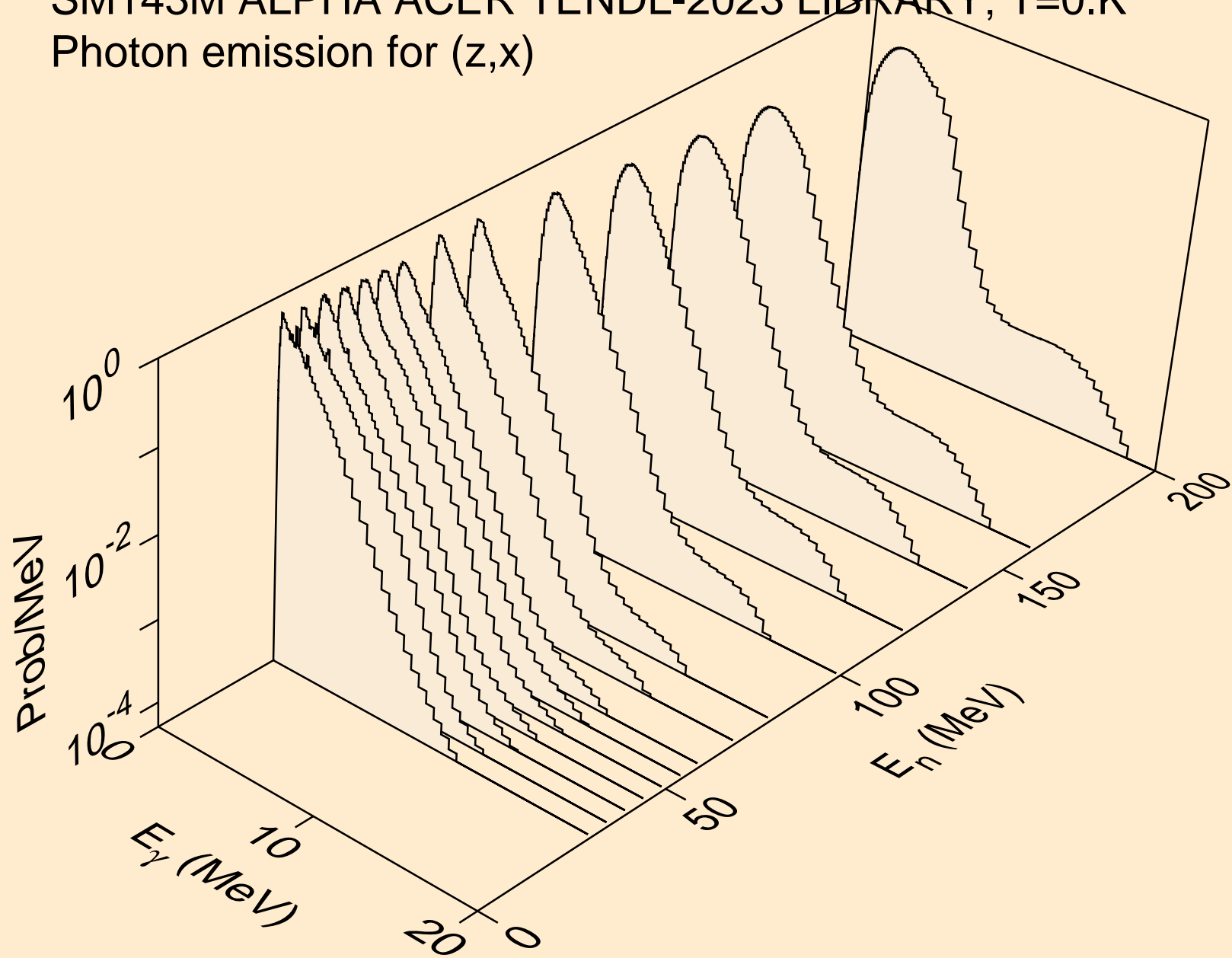
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Alpha emission for (a,pa)



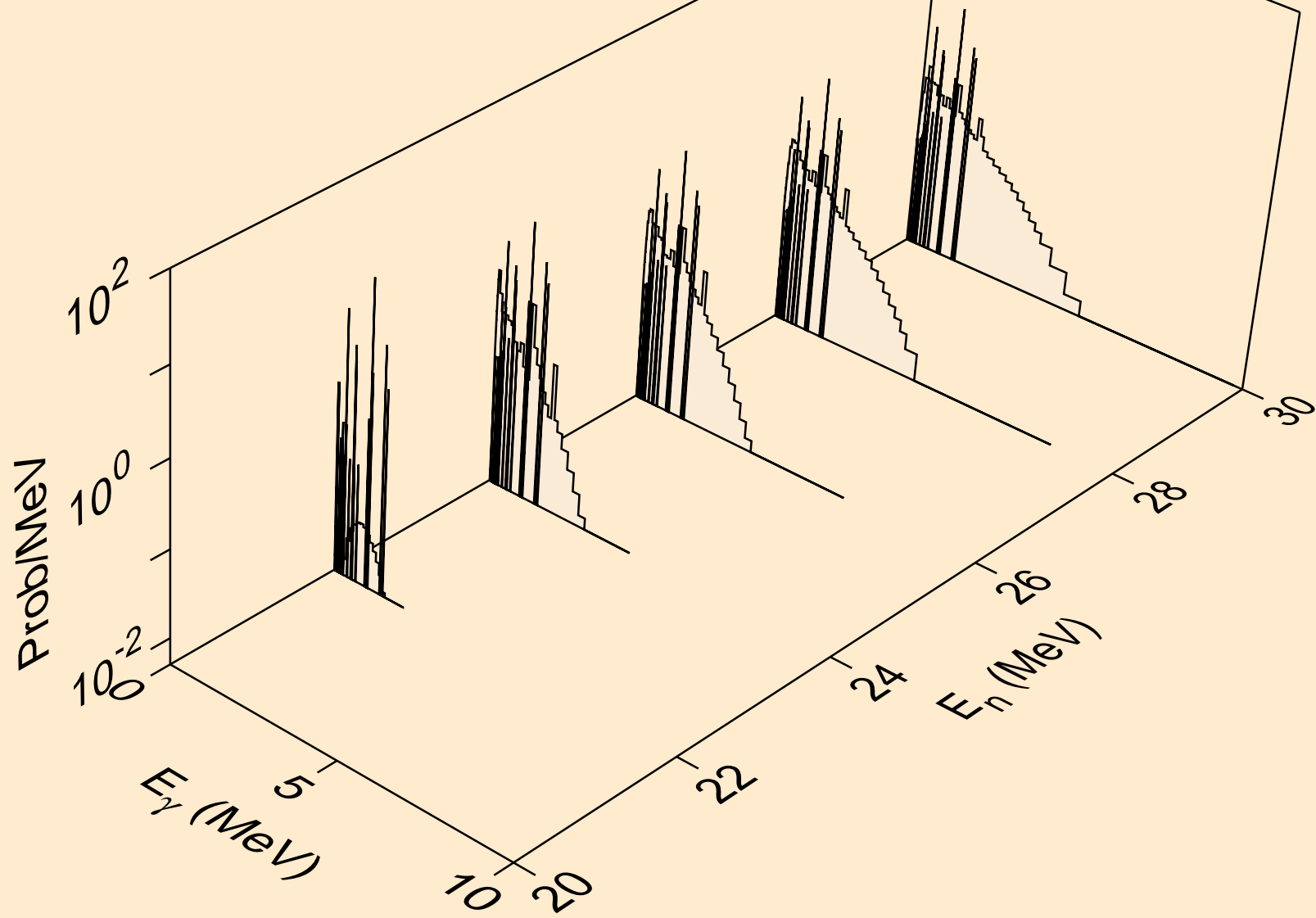
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Photon emission for (z,n)



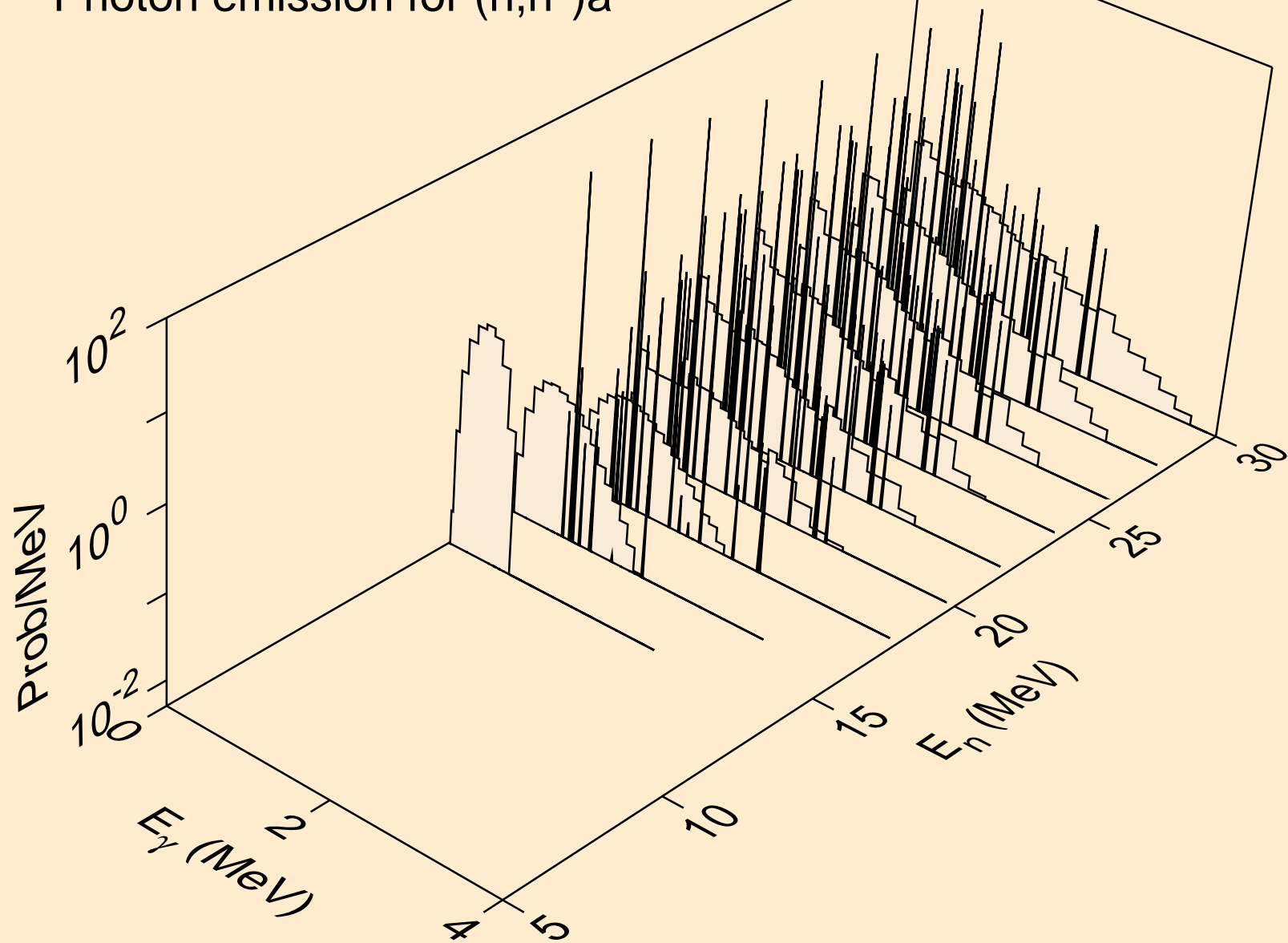
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Photon emission for (z,x)



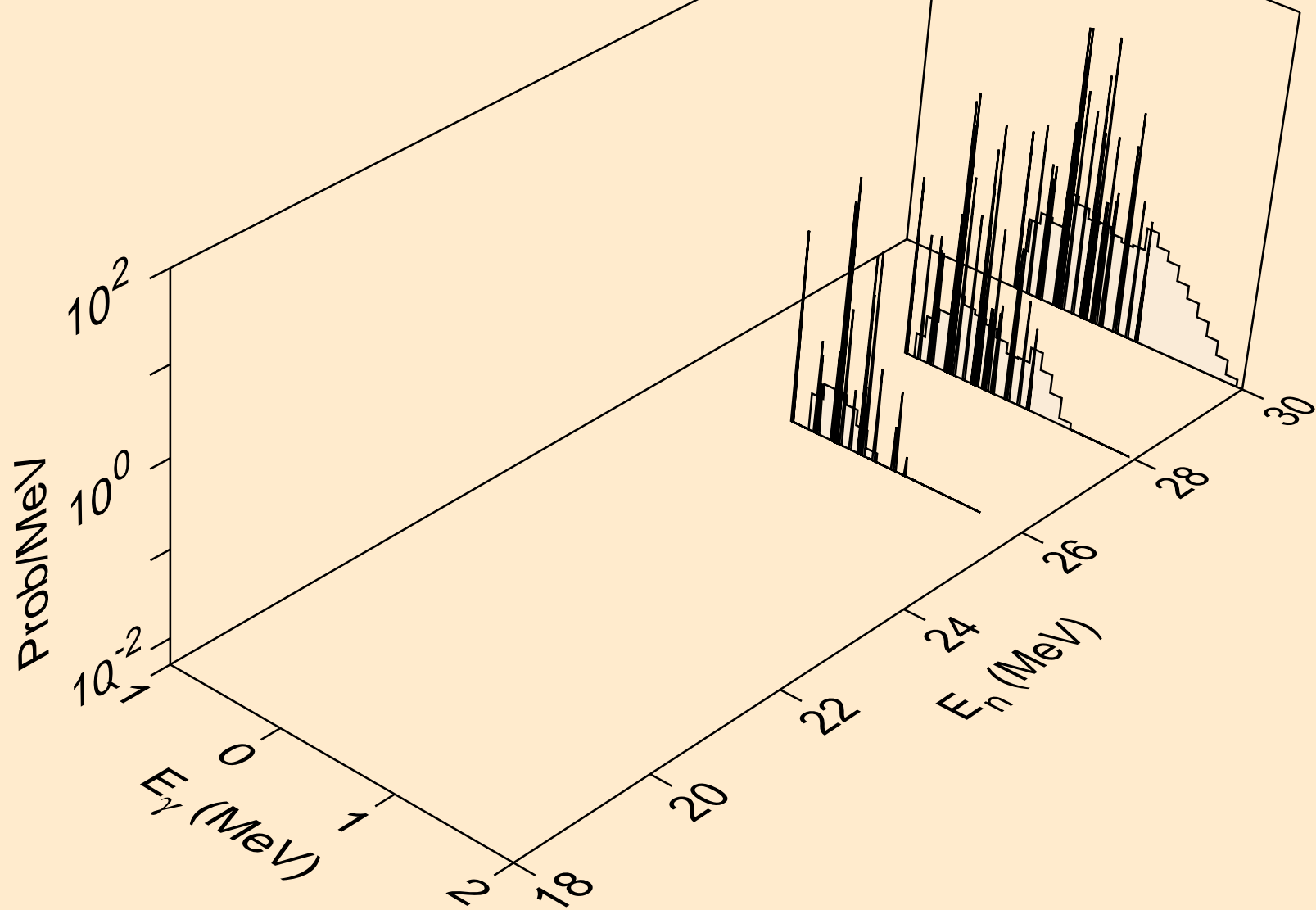
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Photon emission for (n,2n)



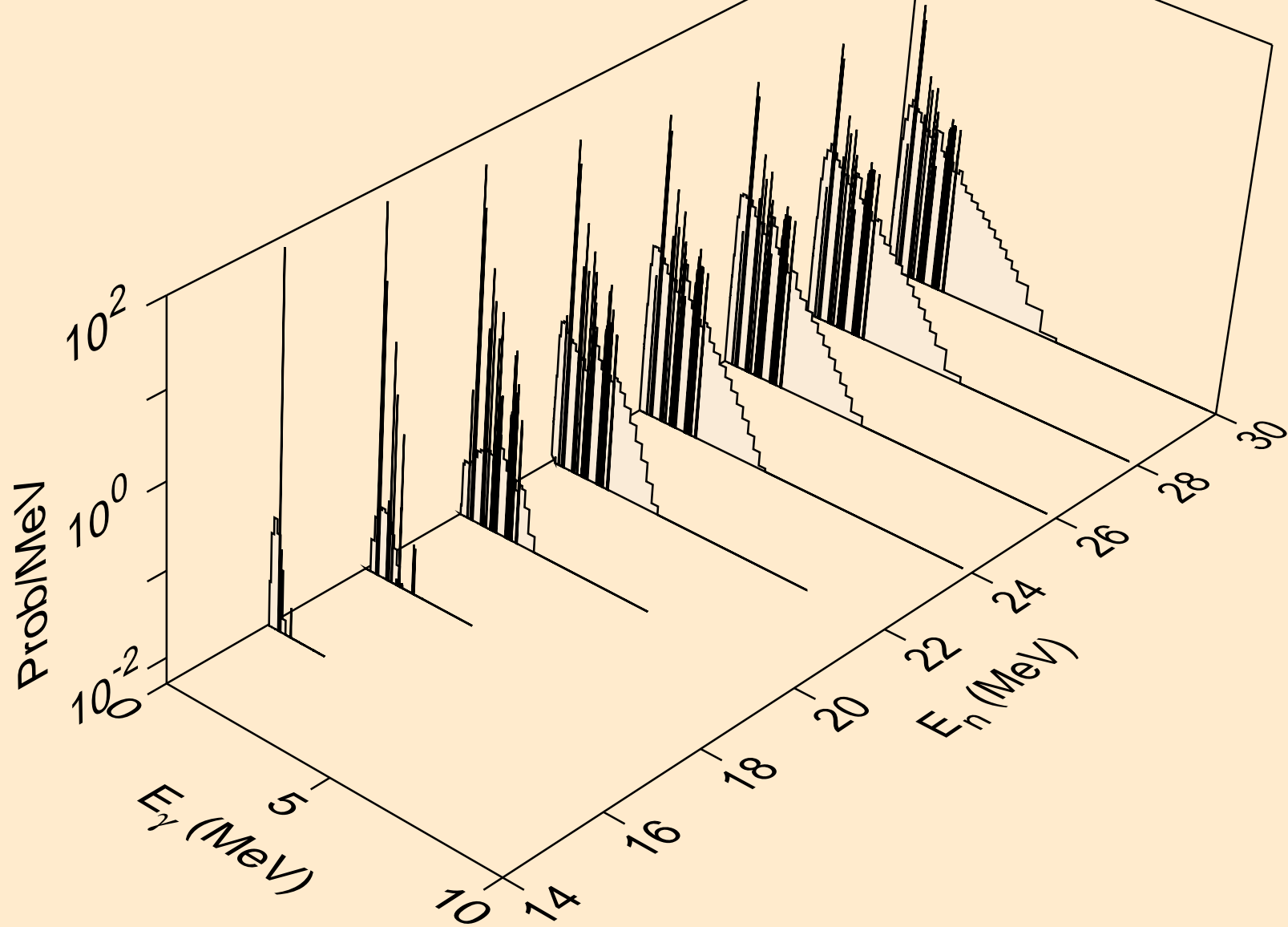
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Photon emission for (n,n\*)a



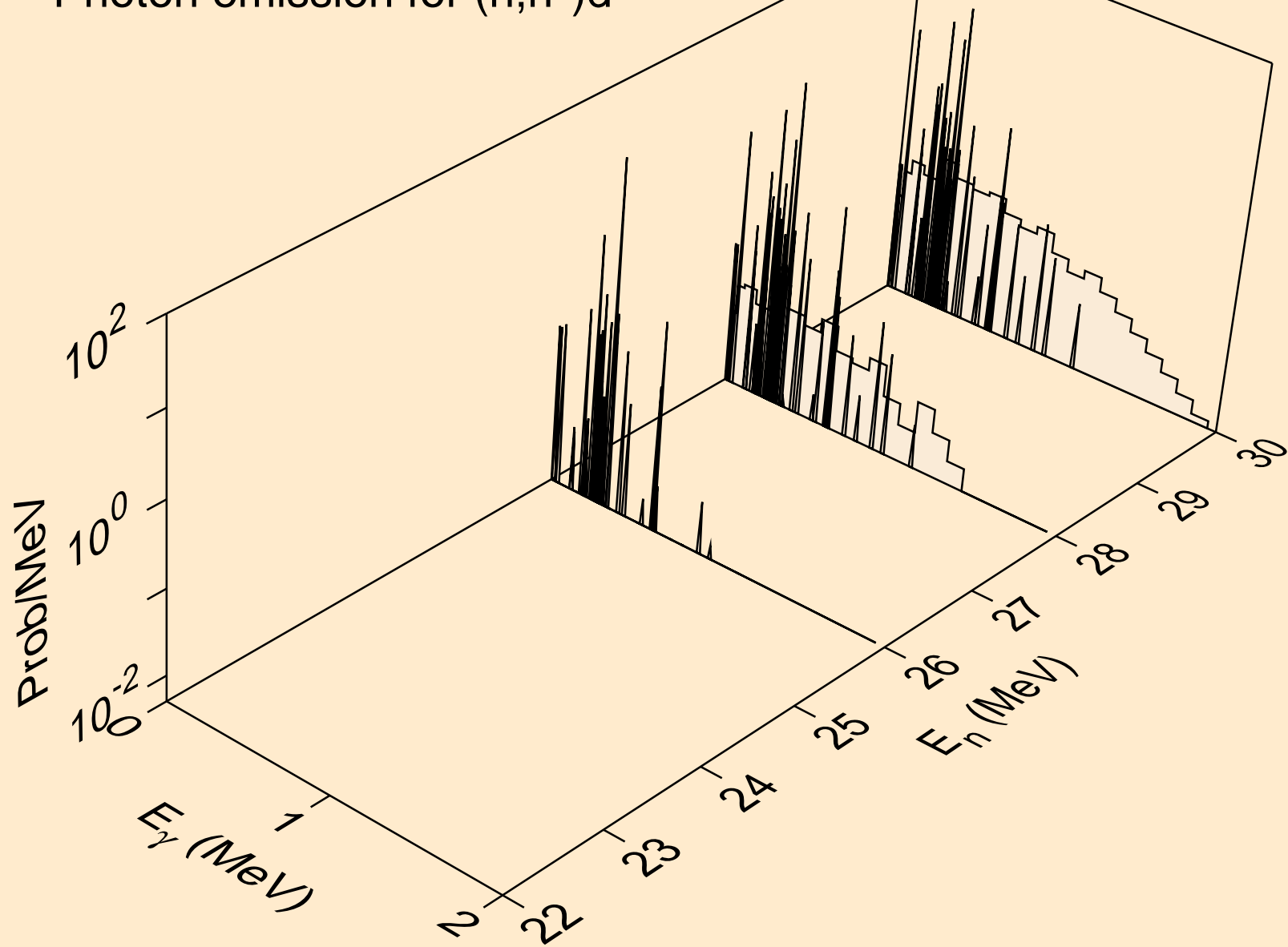
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Photon emission for (n,2n)a



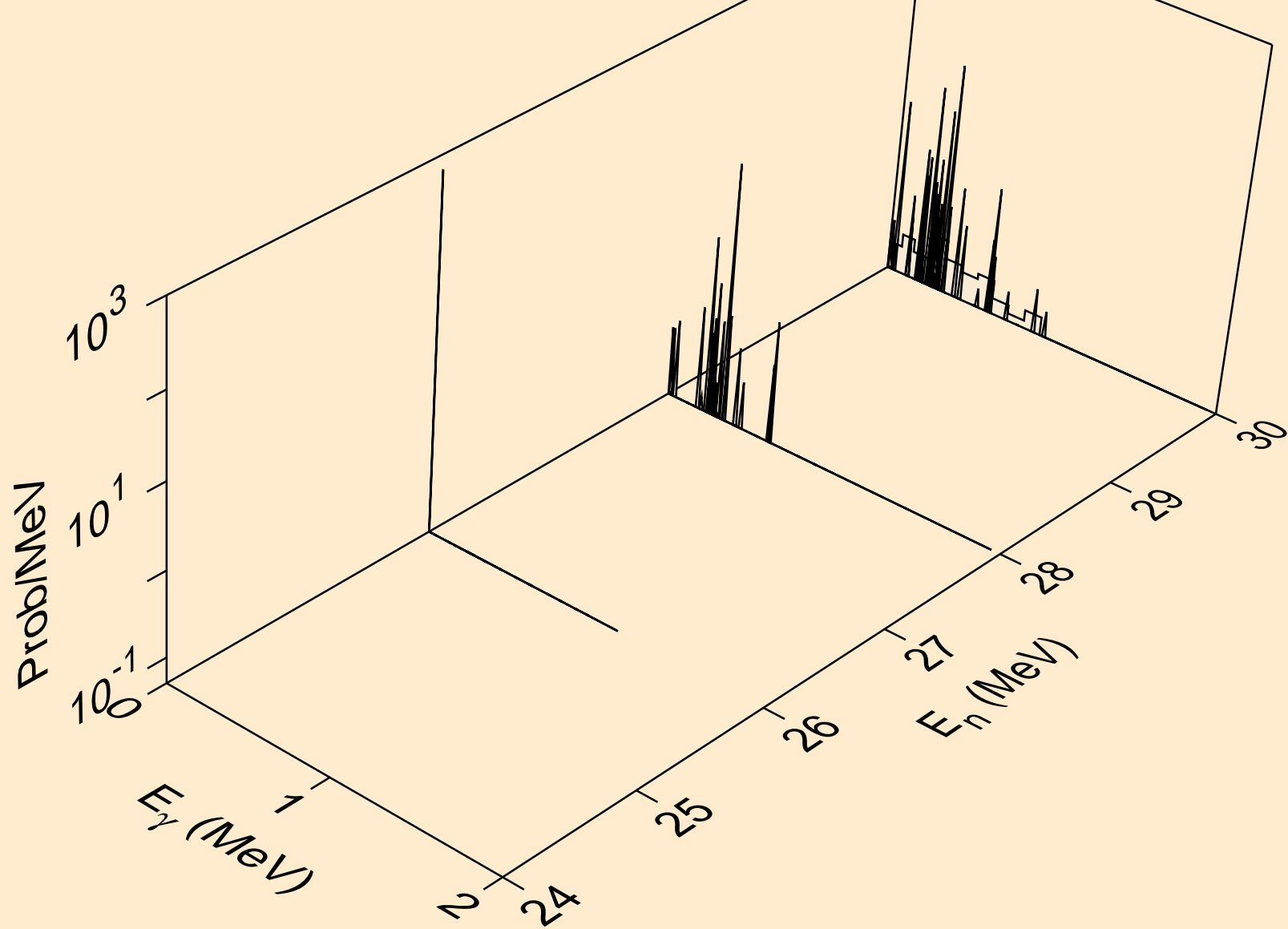
SM143M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



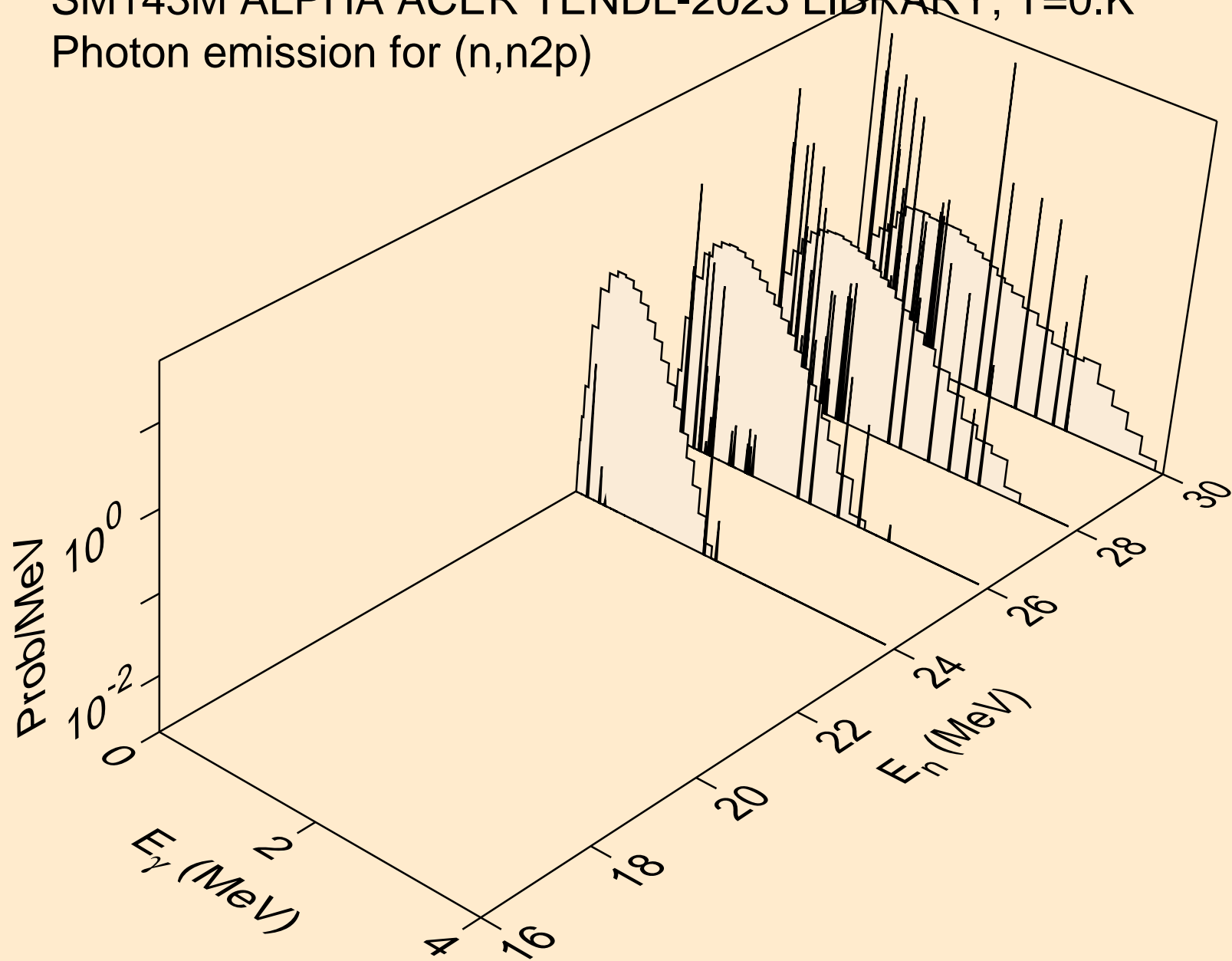
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Photon emission for (n,n\*)d



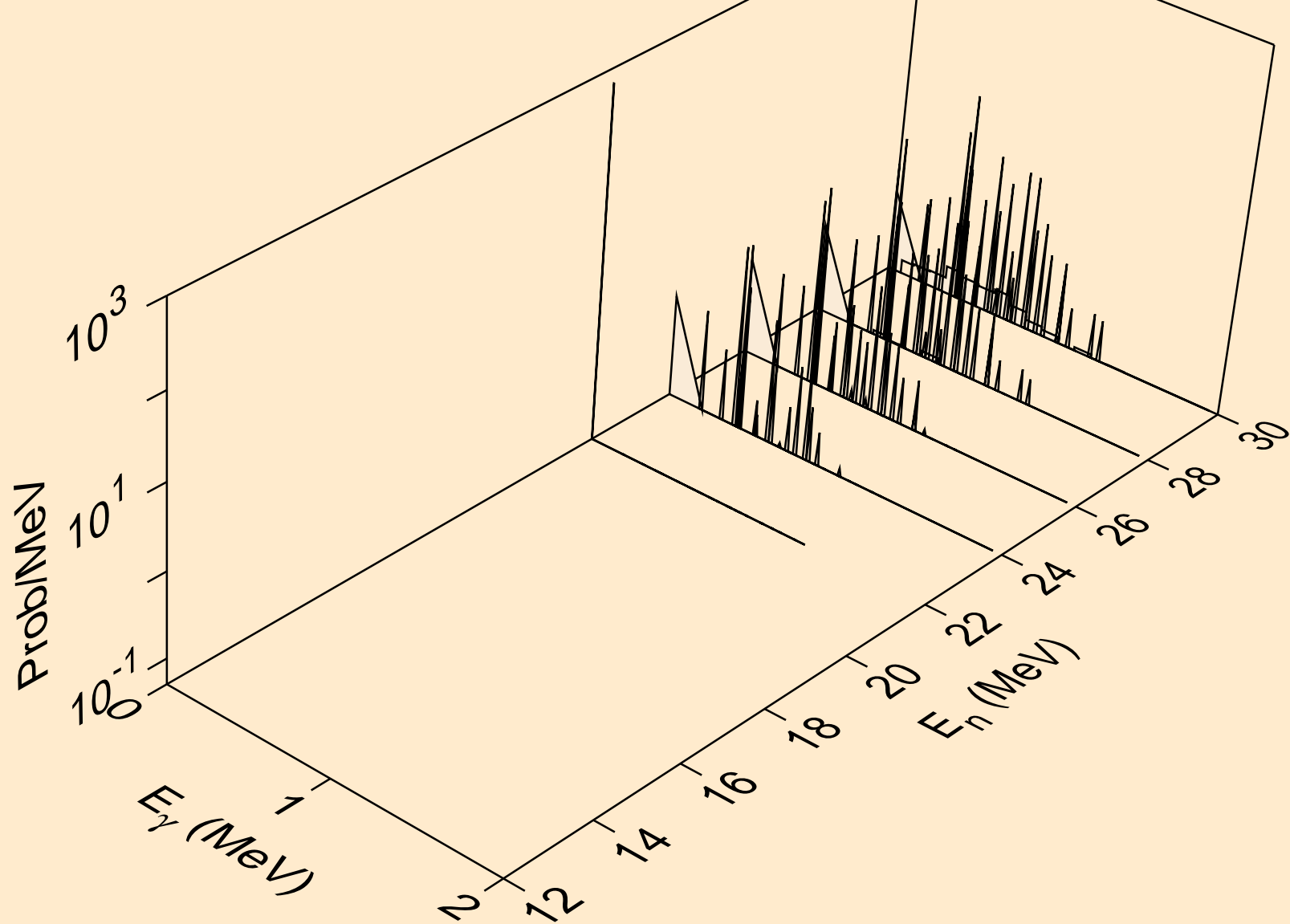
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Photon emission for (n,2np)



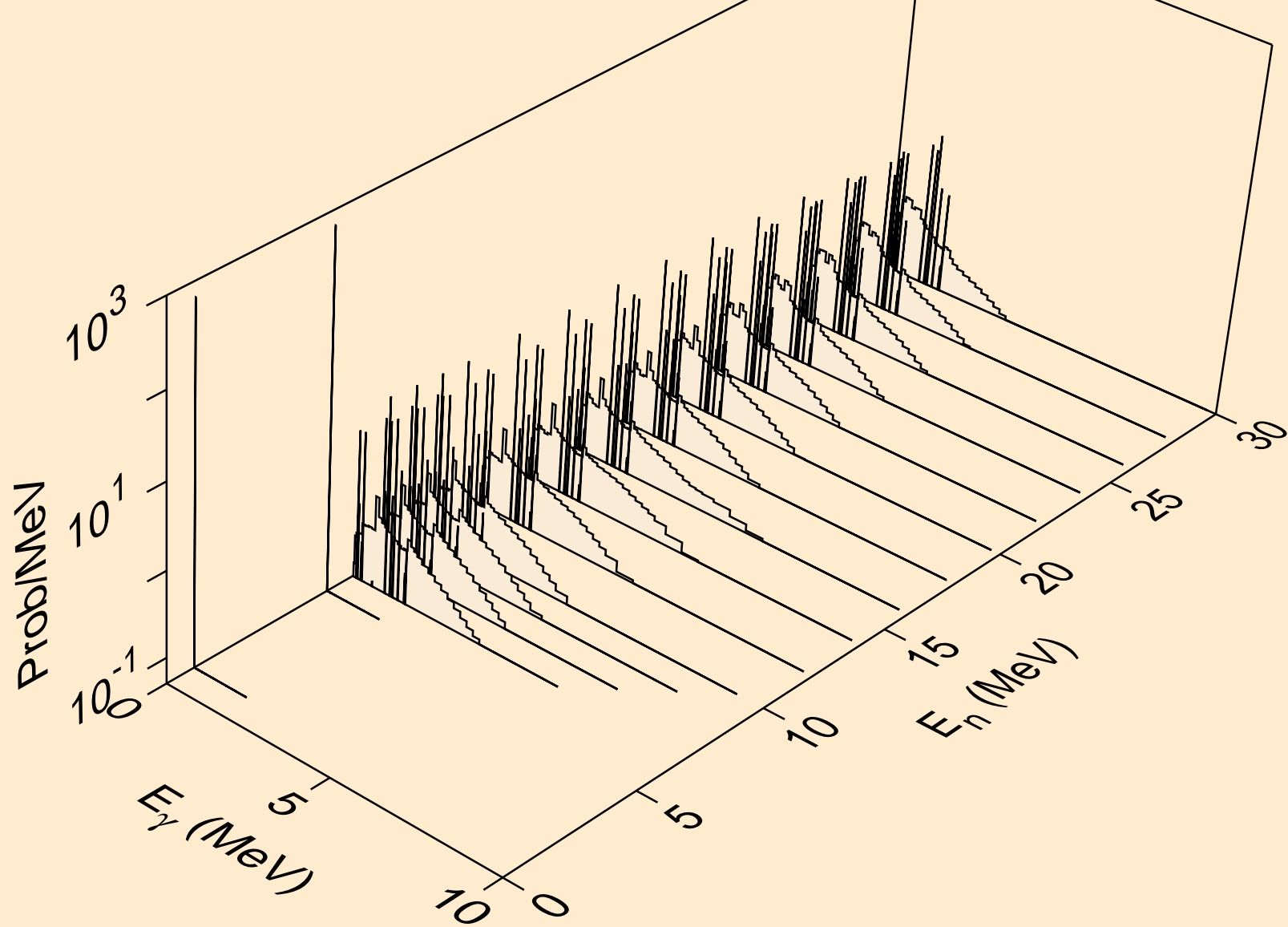
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Photon emission for (n,n2p)



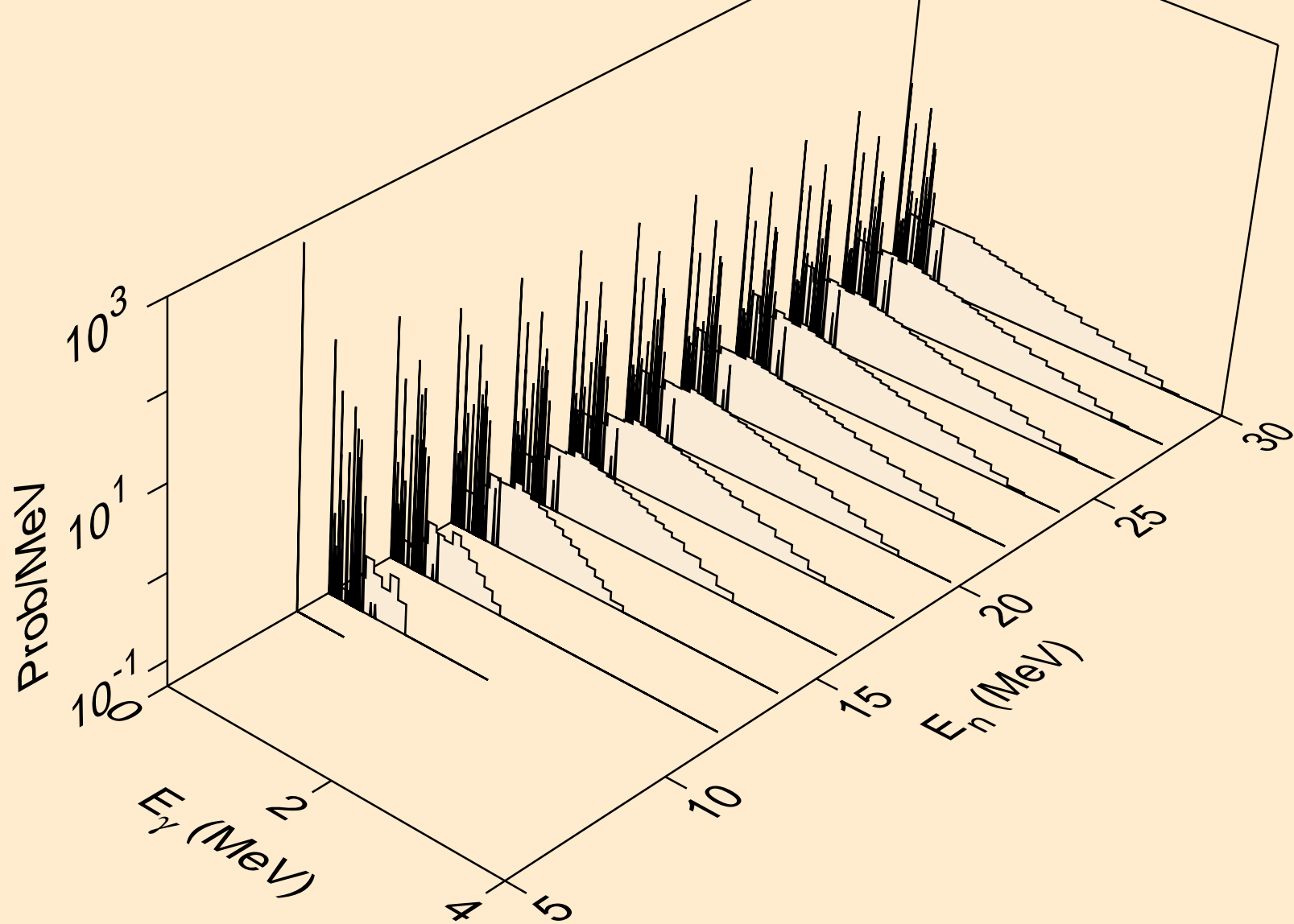
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Photon emission for (n,npa)



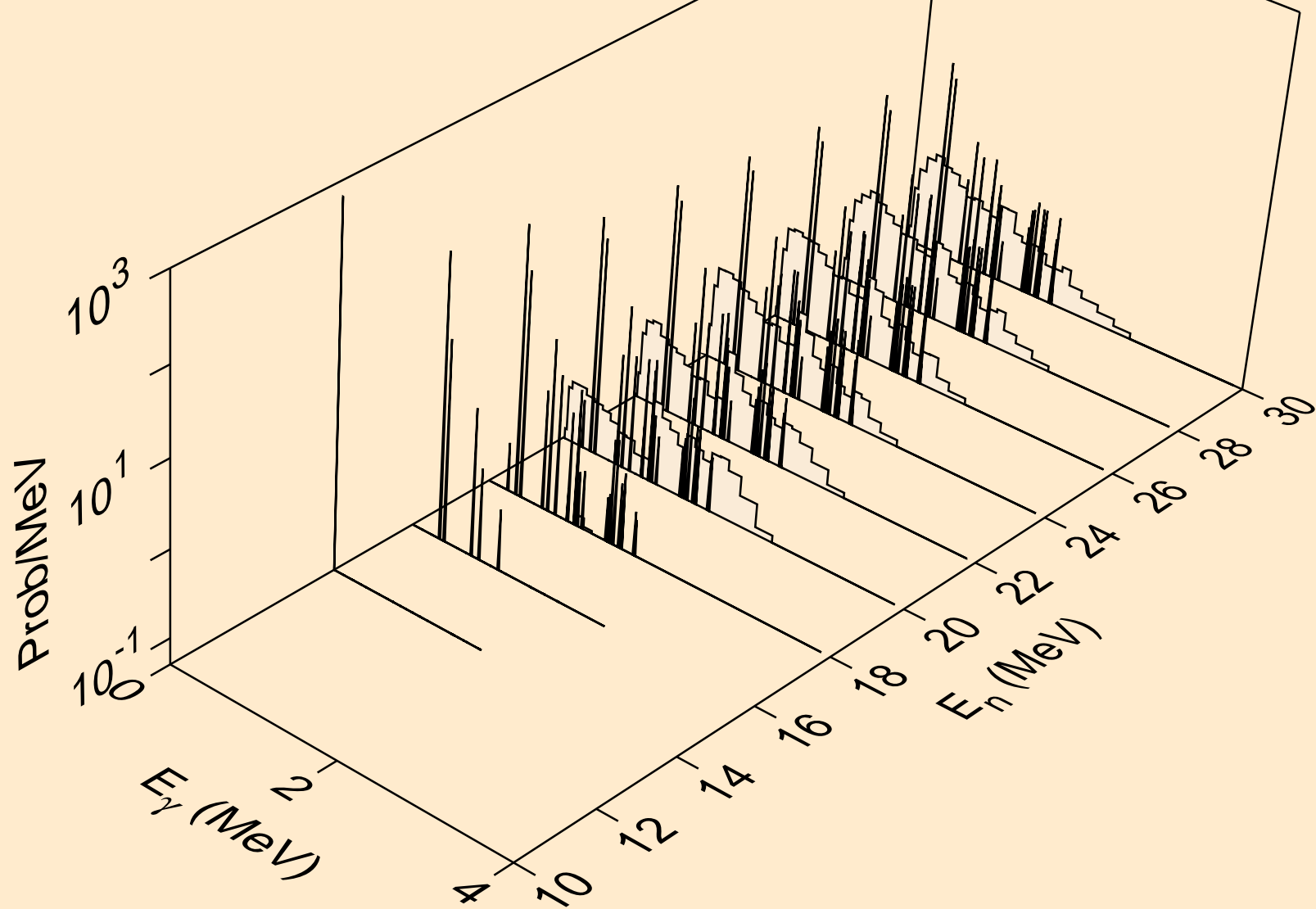
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Photon emission for (n,gma)



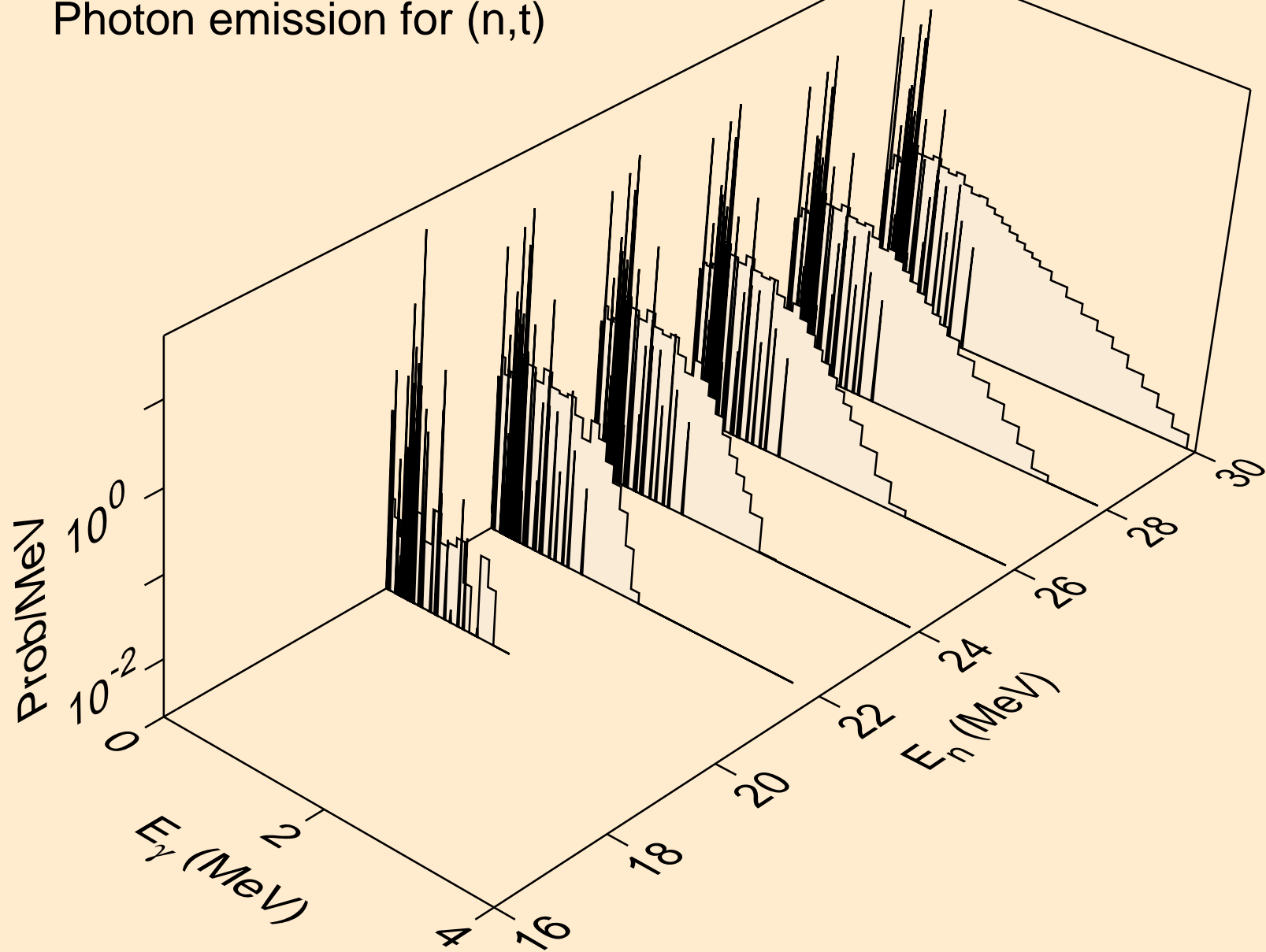
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Photon emission for (n,p)



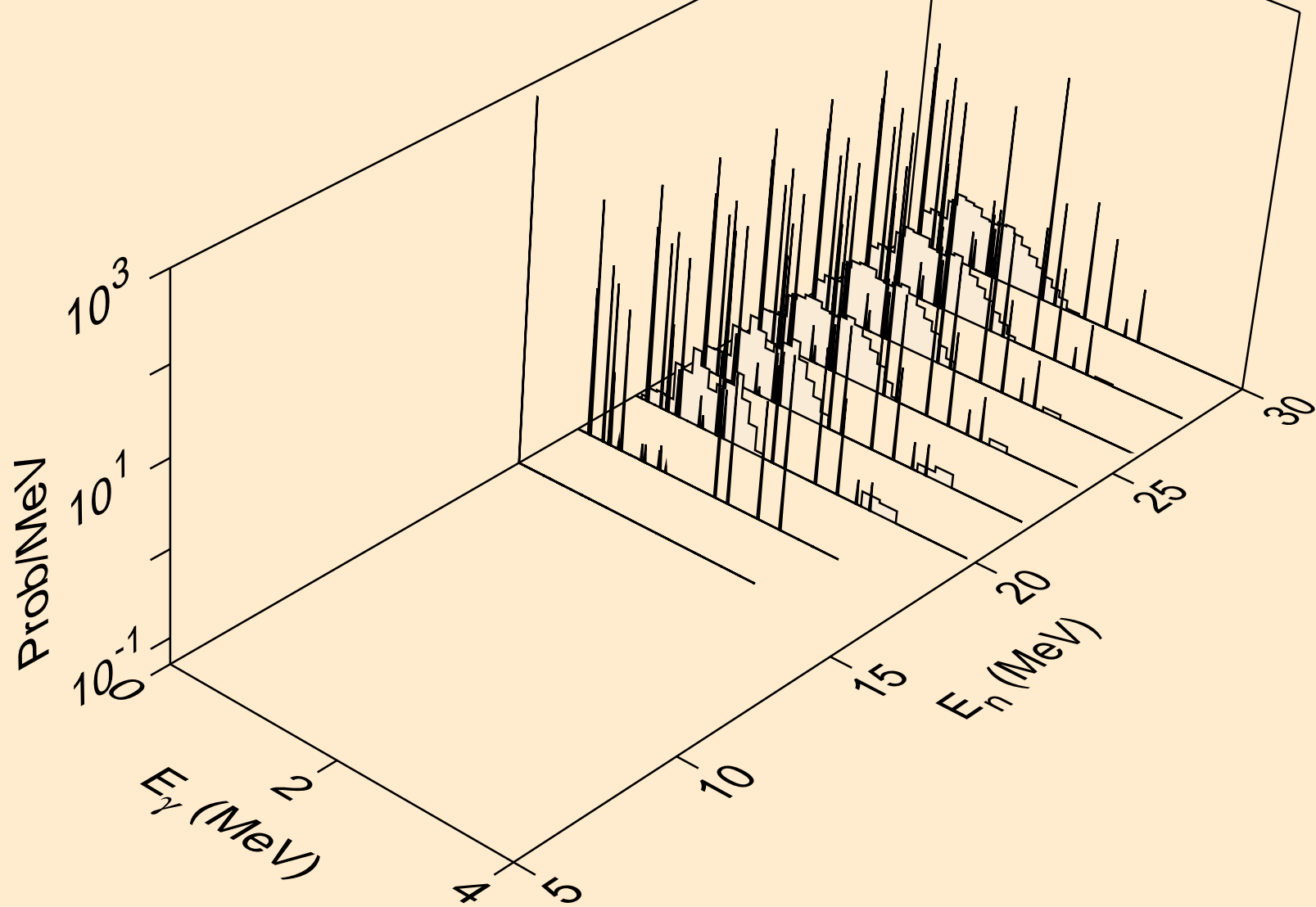
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Photon emission for (n,d)



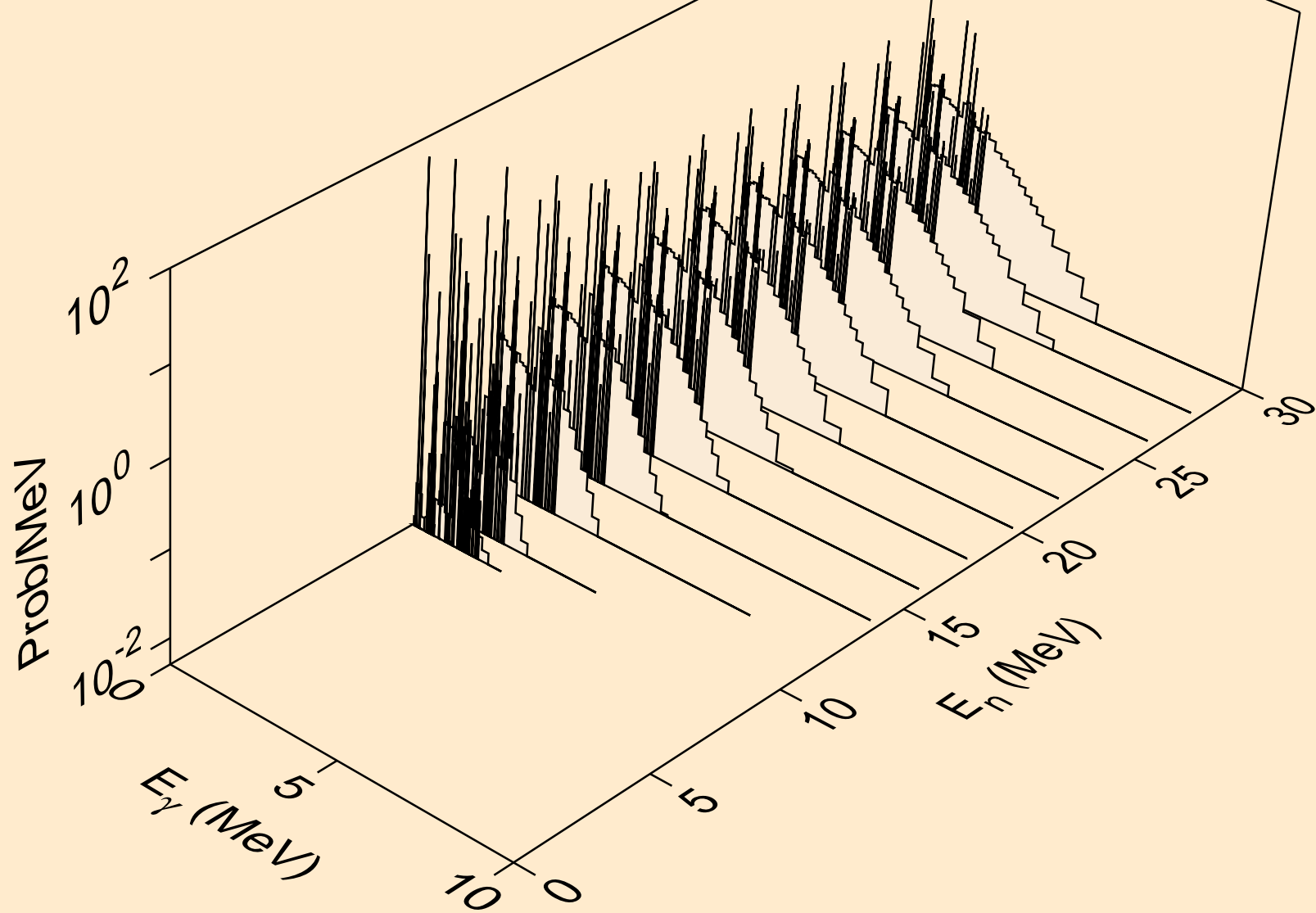
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Photon emission for (n,t)



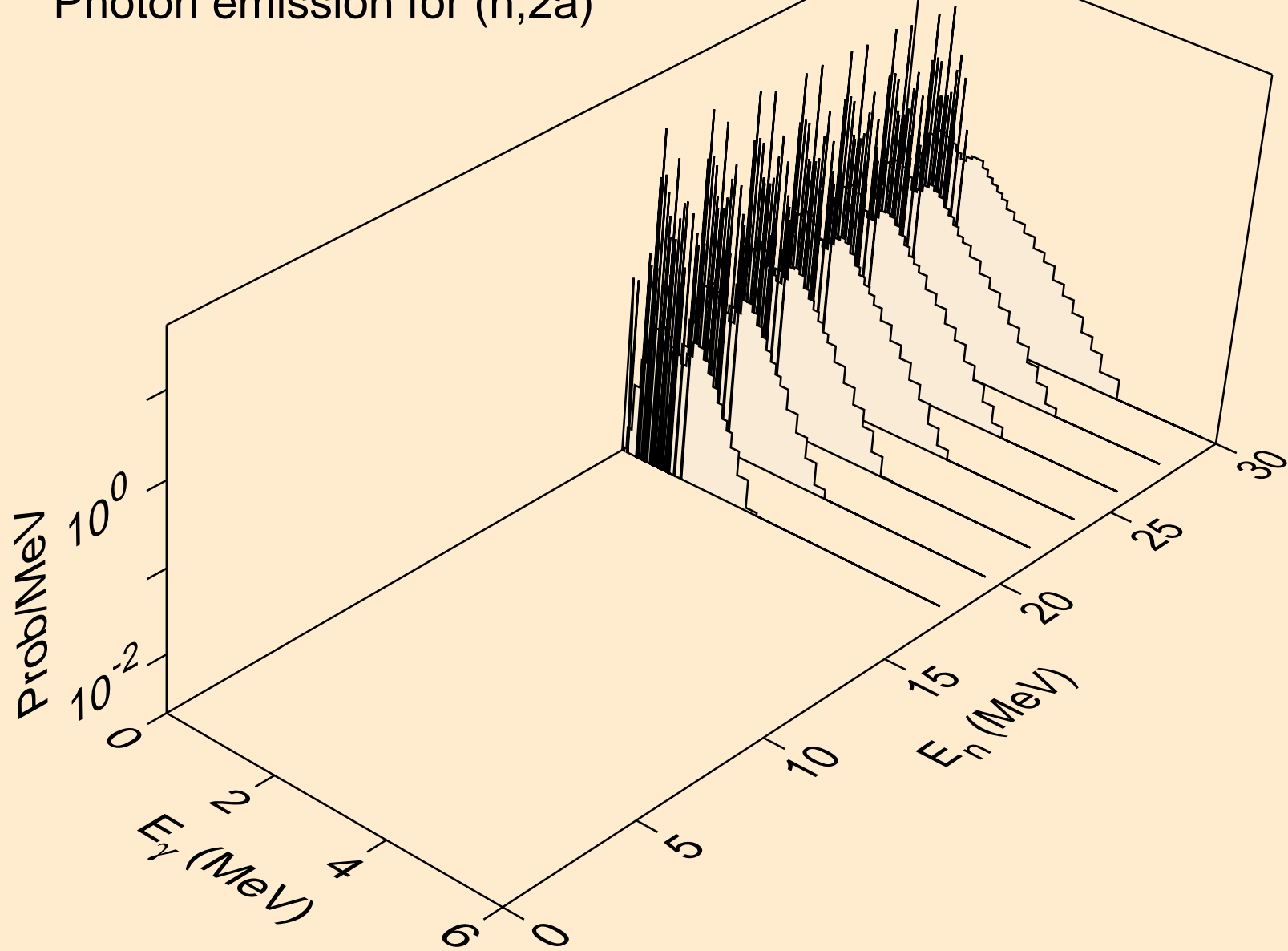
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Photon emission for (n,he3)



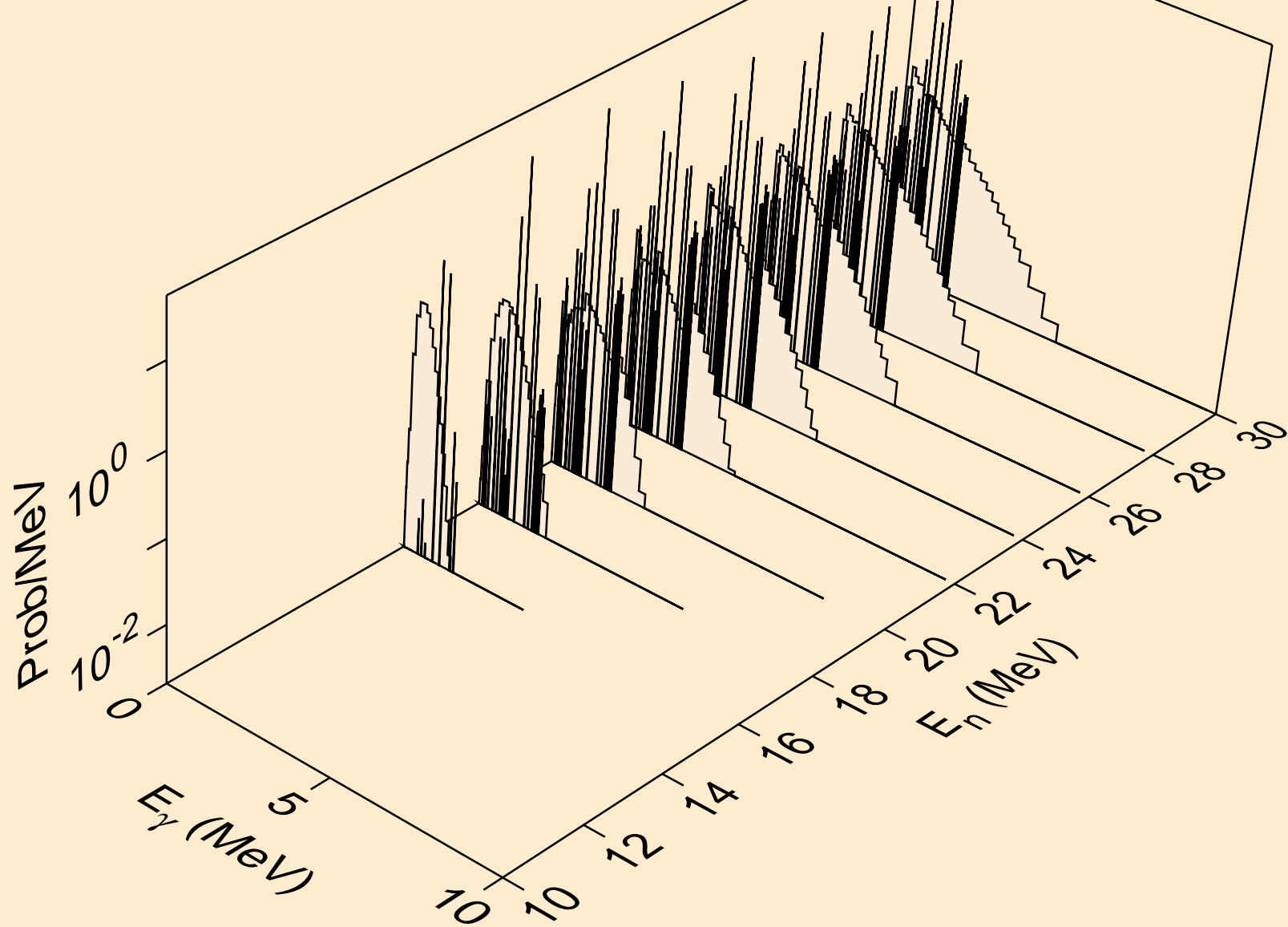
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Photon emission for inelastic



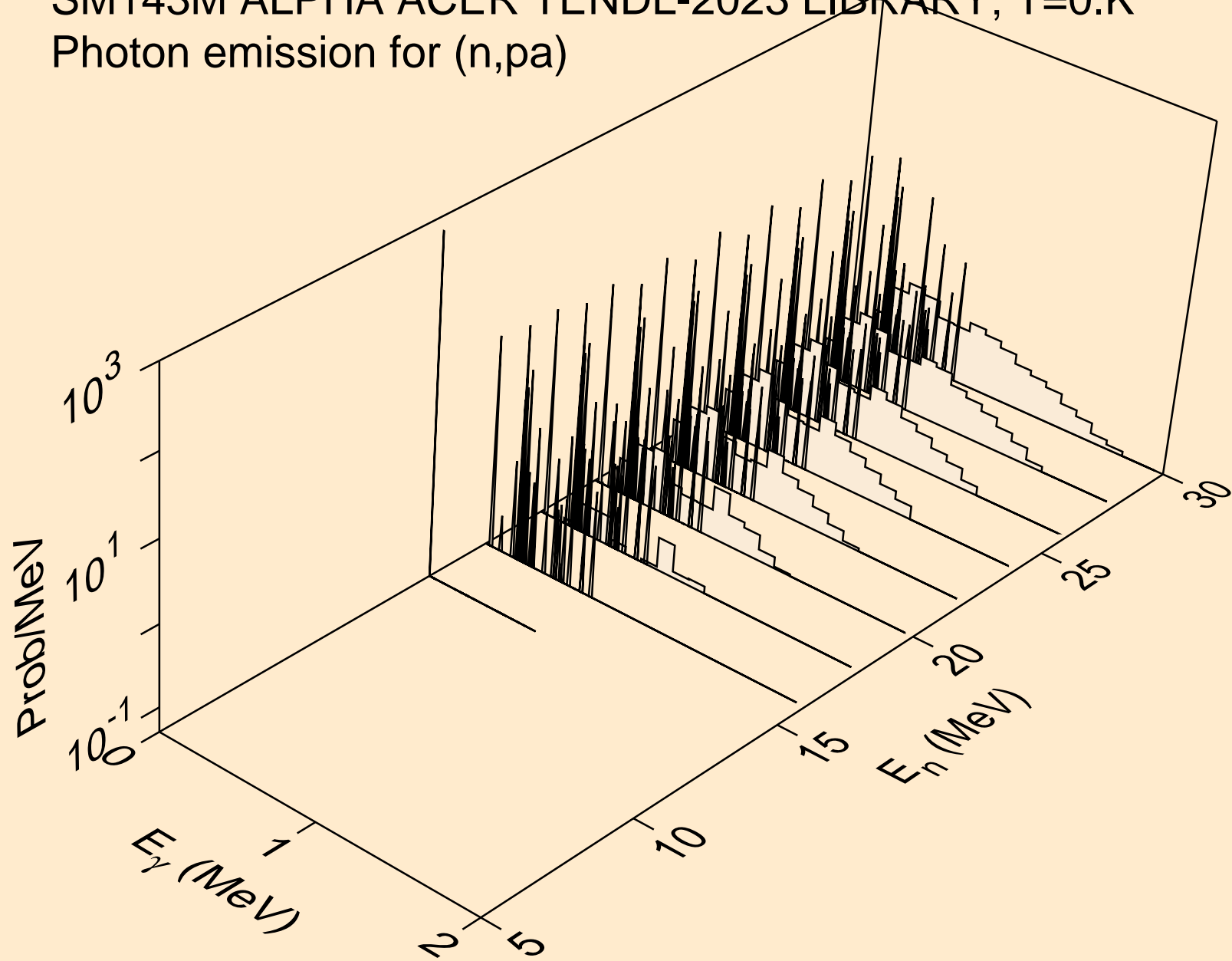
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Photon emission for (n,2a)



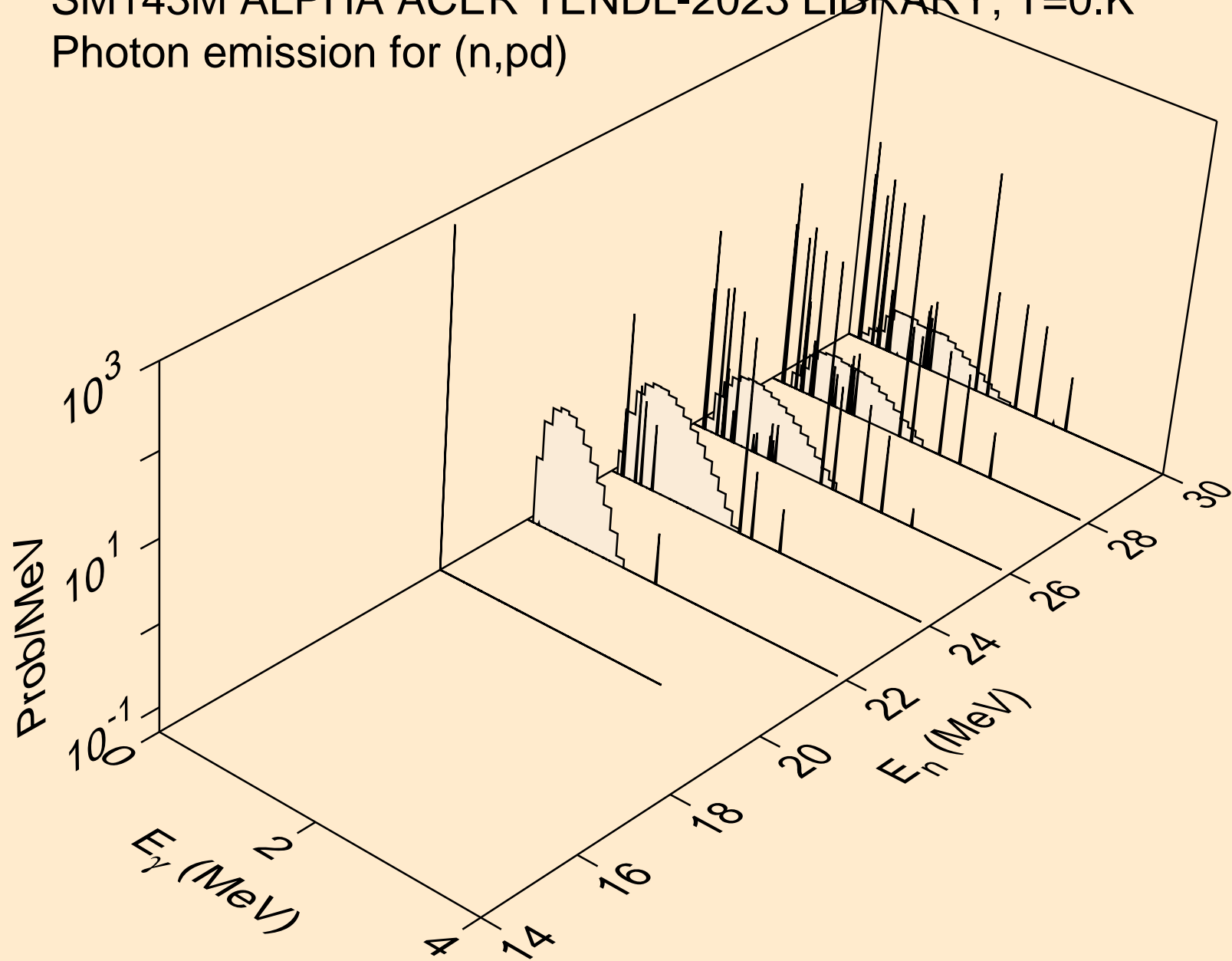
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Photon emission for (n,2p)



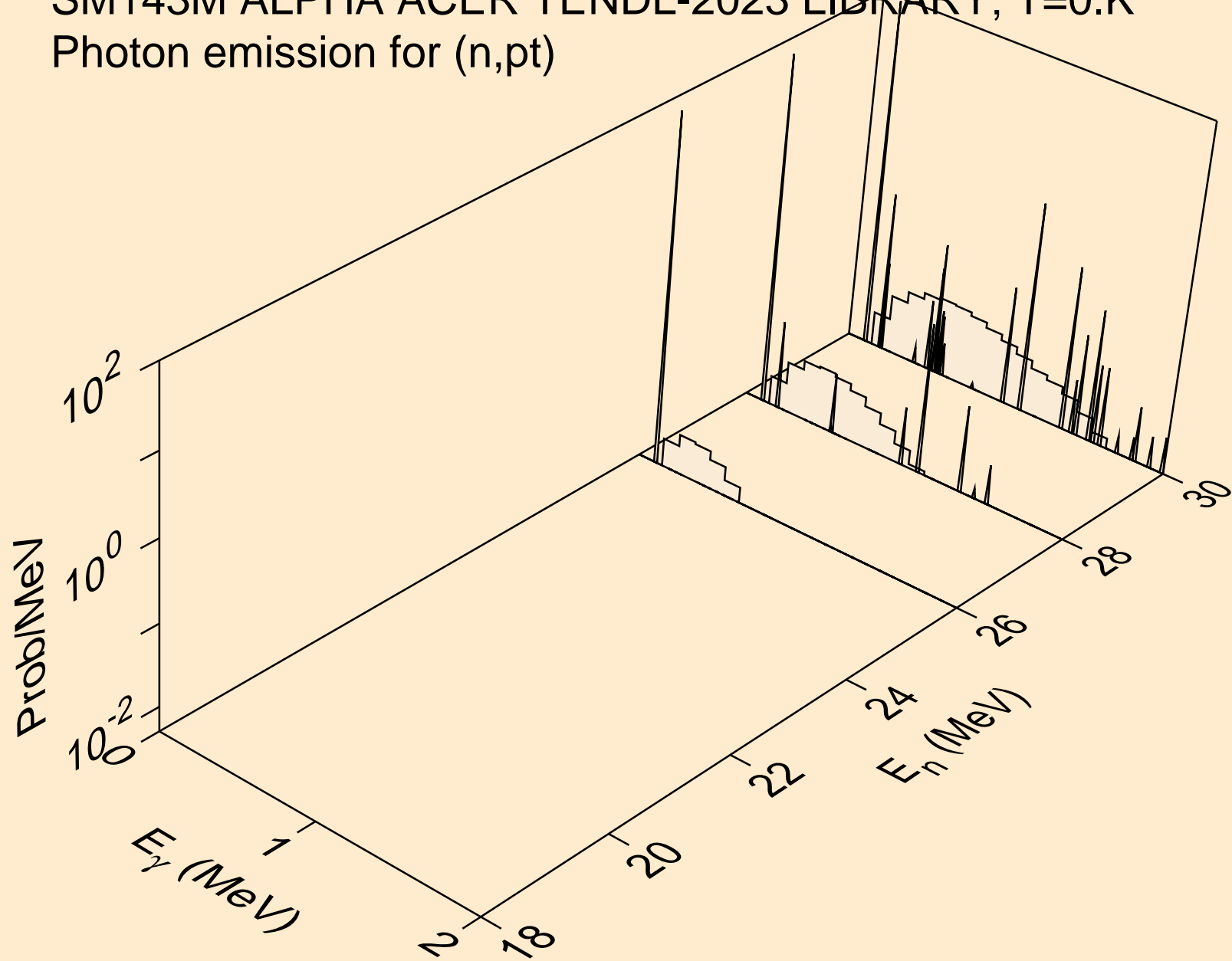
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Photon emission for (n,pa)



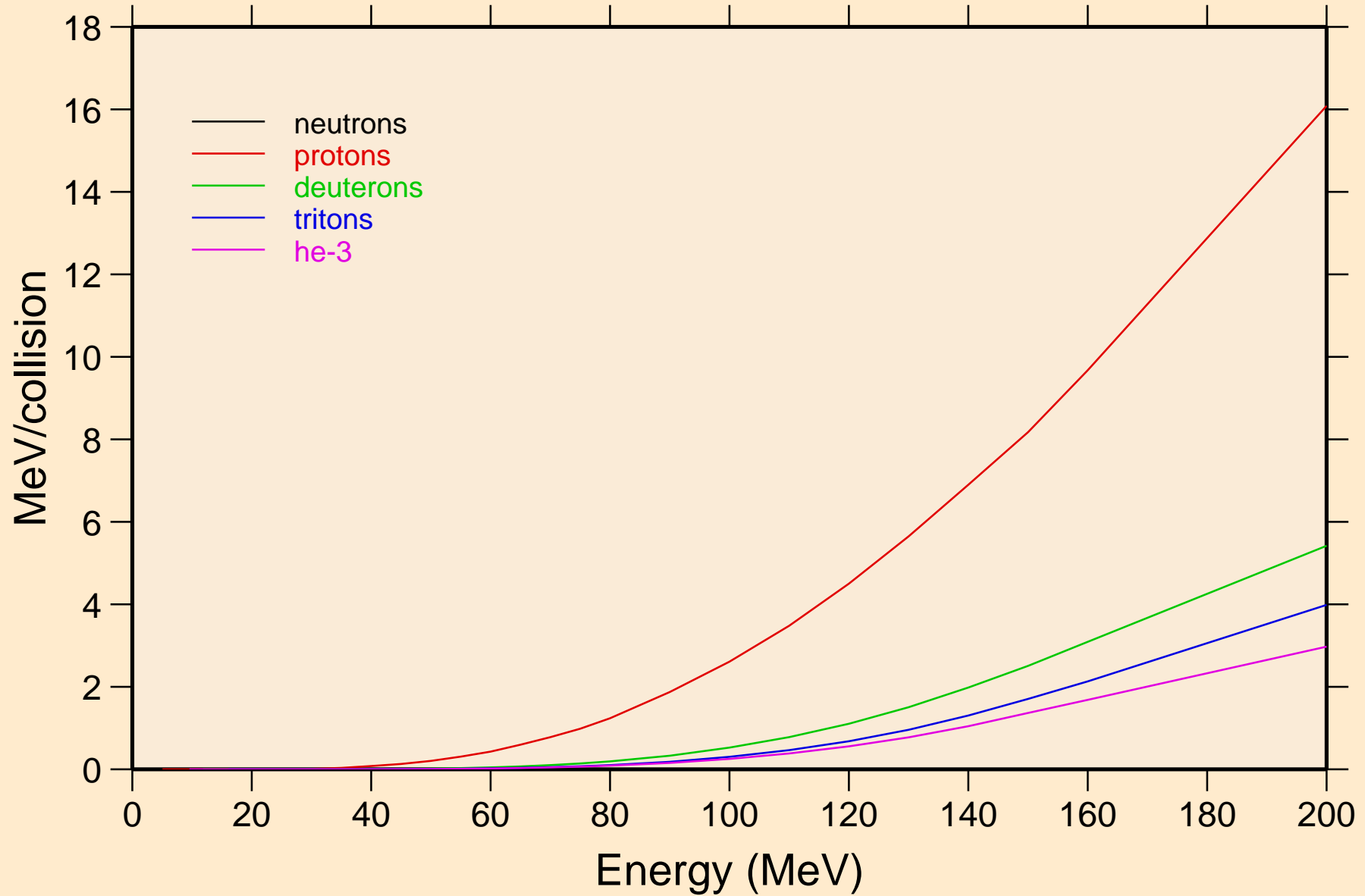
SM143M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



SM143M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

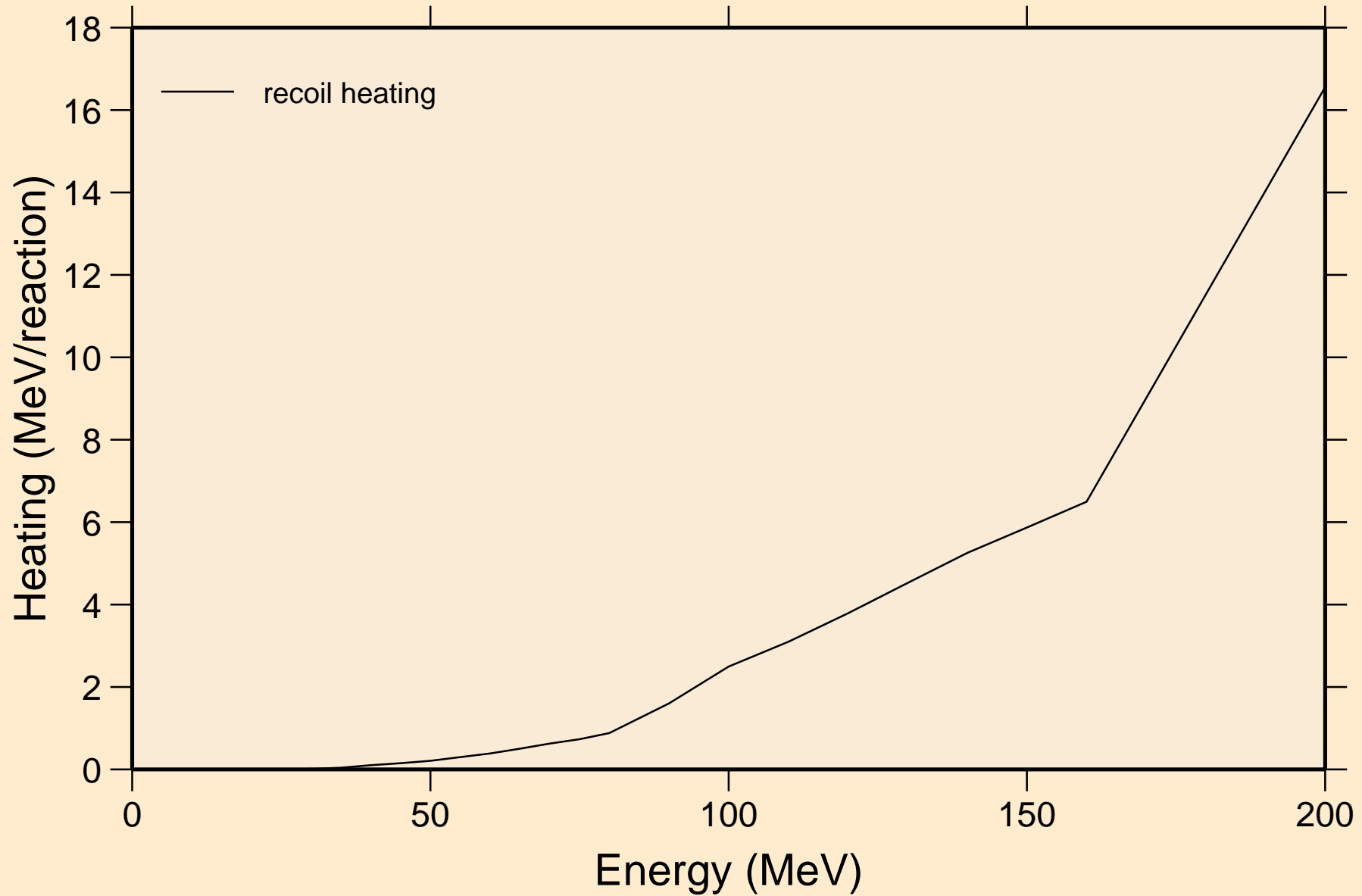


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Particle heating contributions

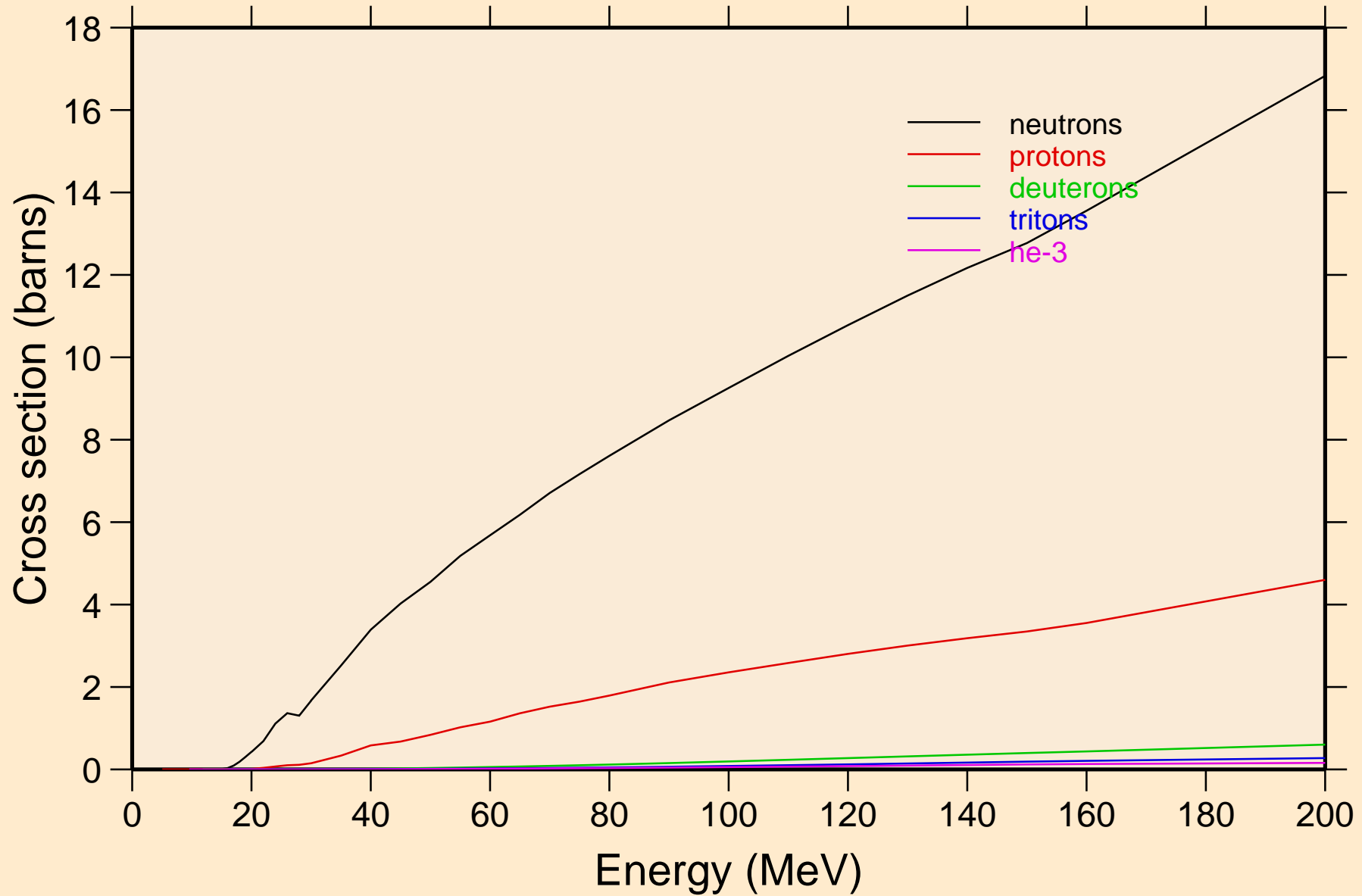


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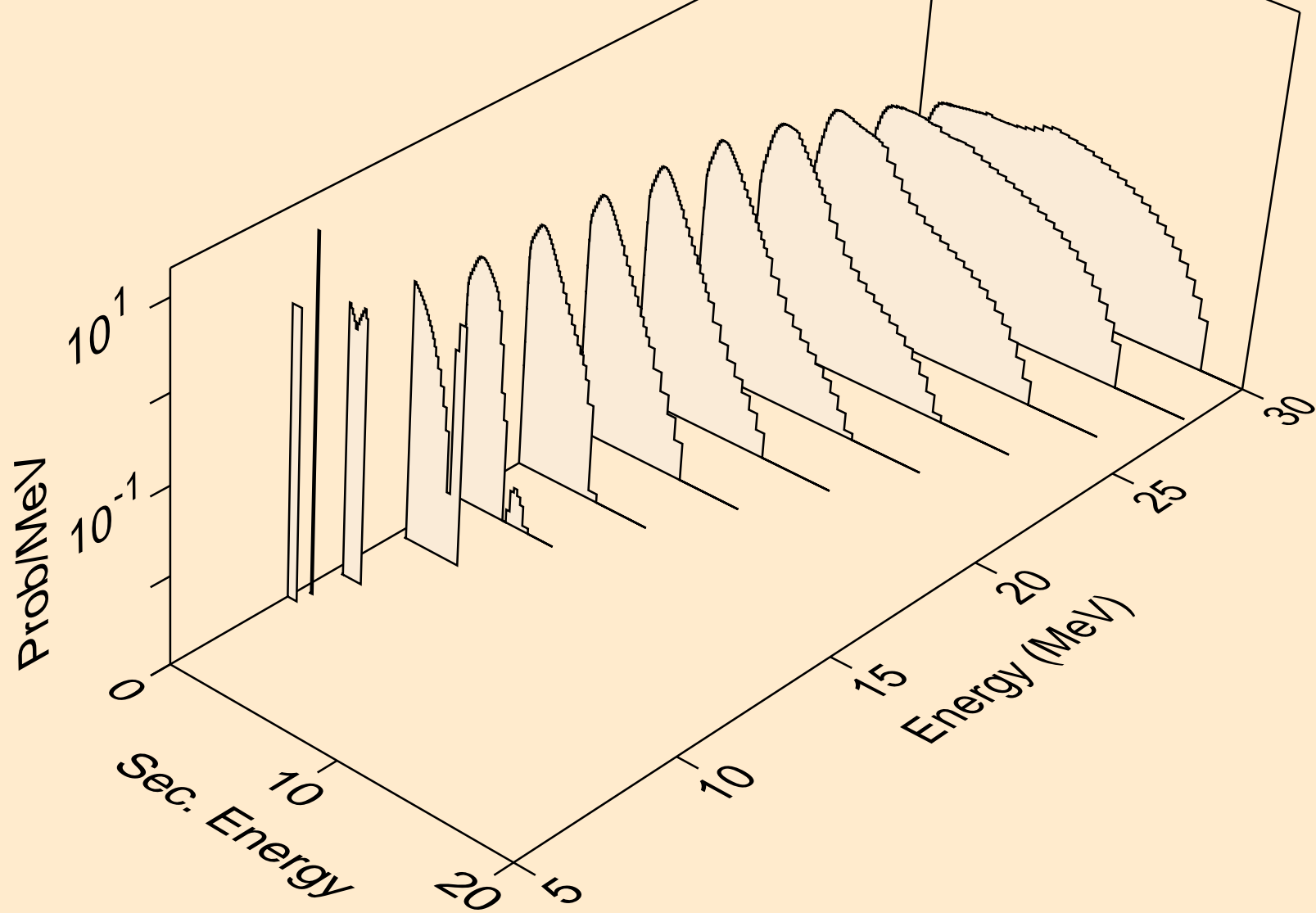
### Recoil Heating



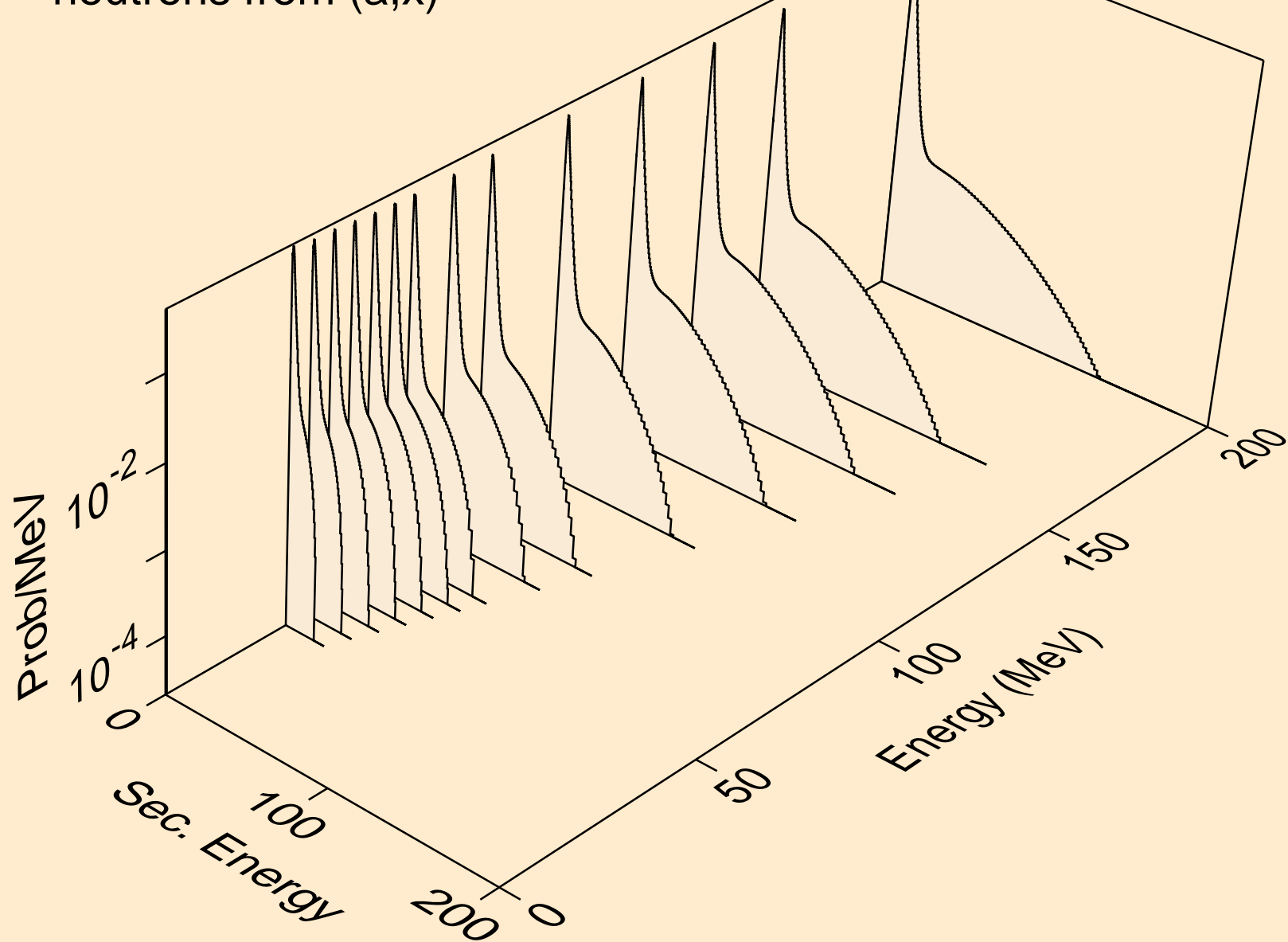
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Particle production cross sections



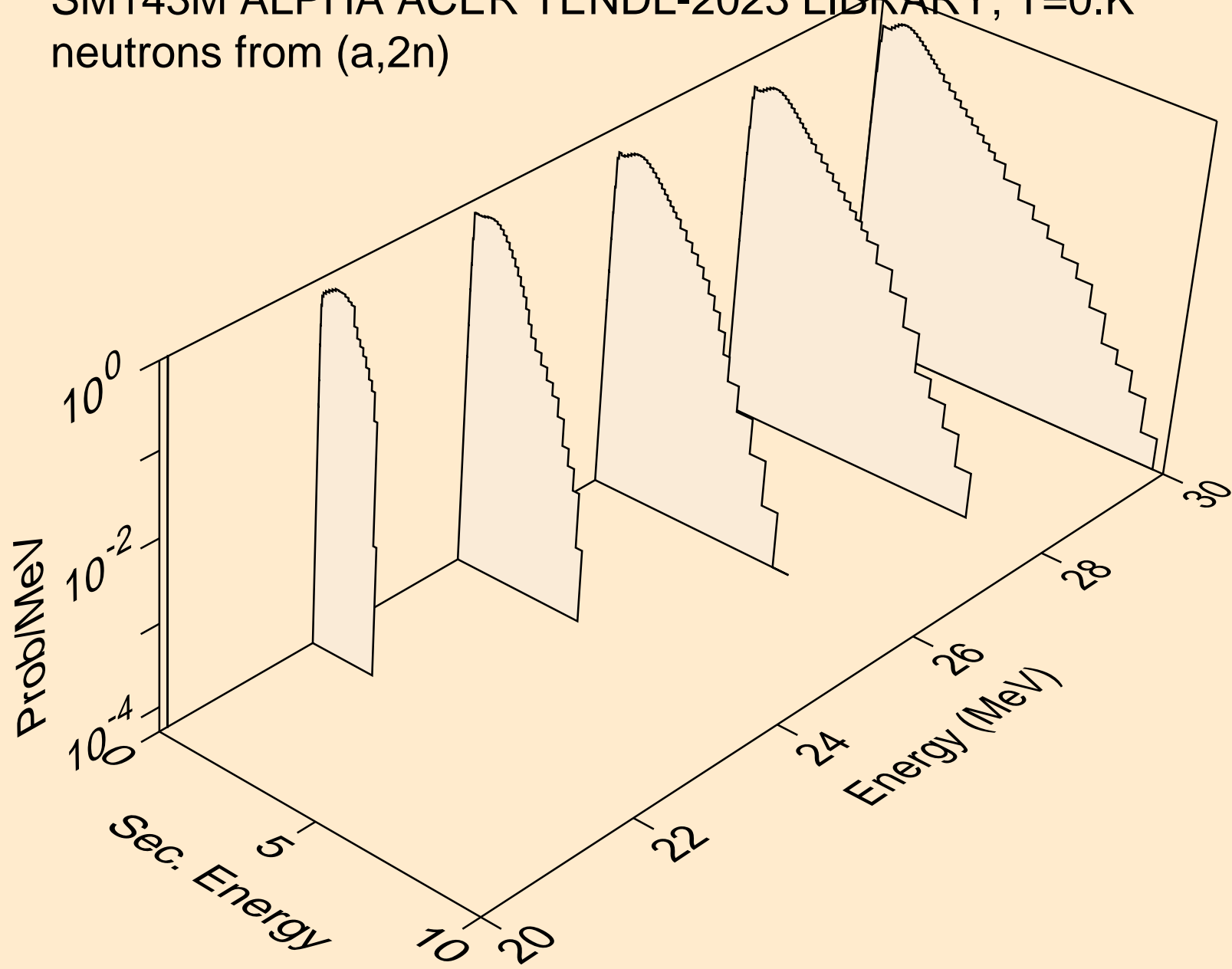
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neutrons from (a,n)



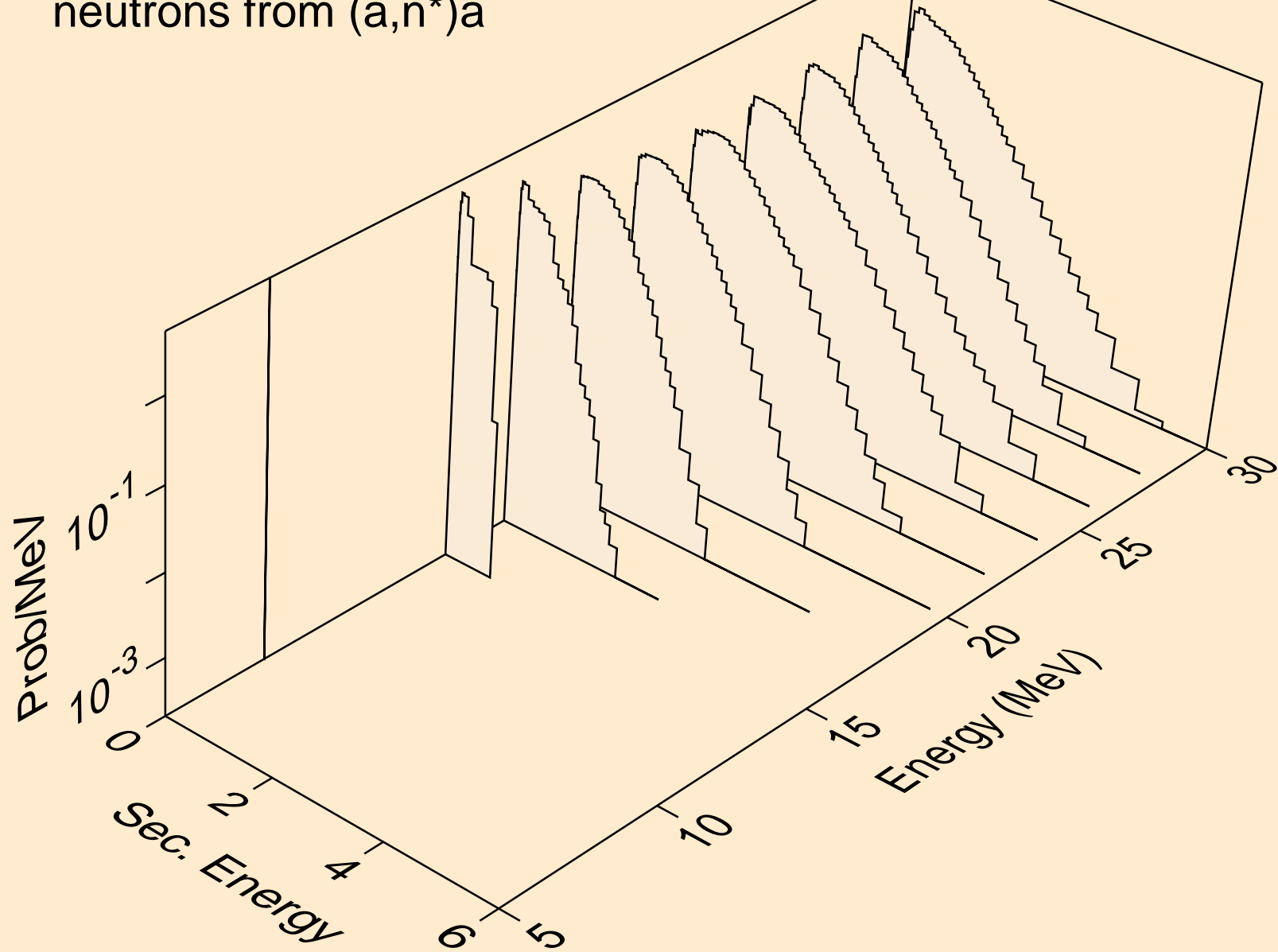
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neutrons from (a,x)



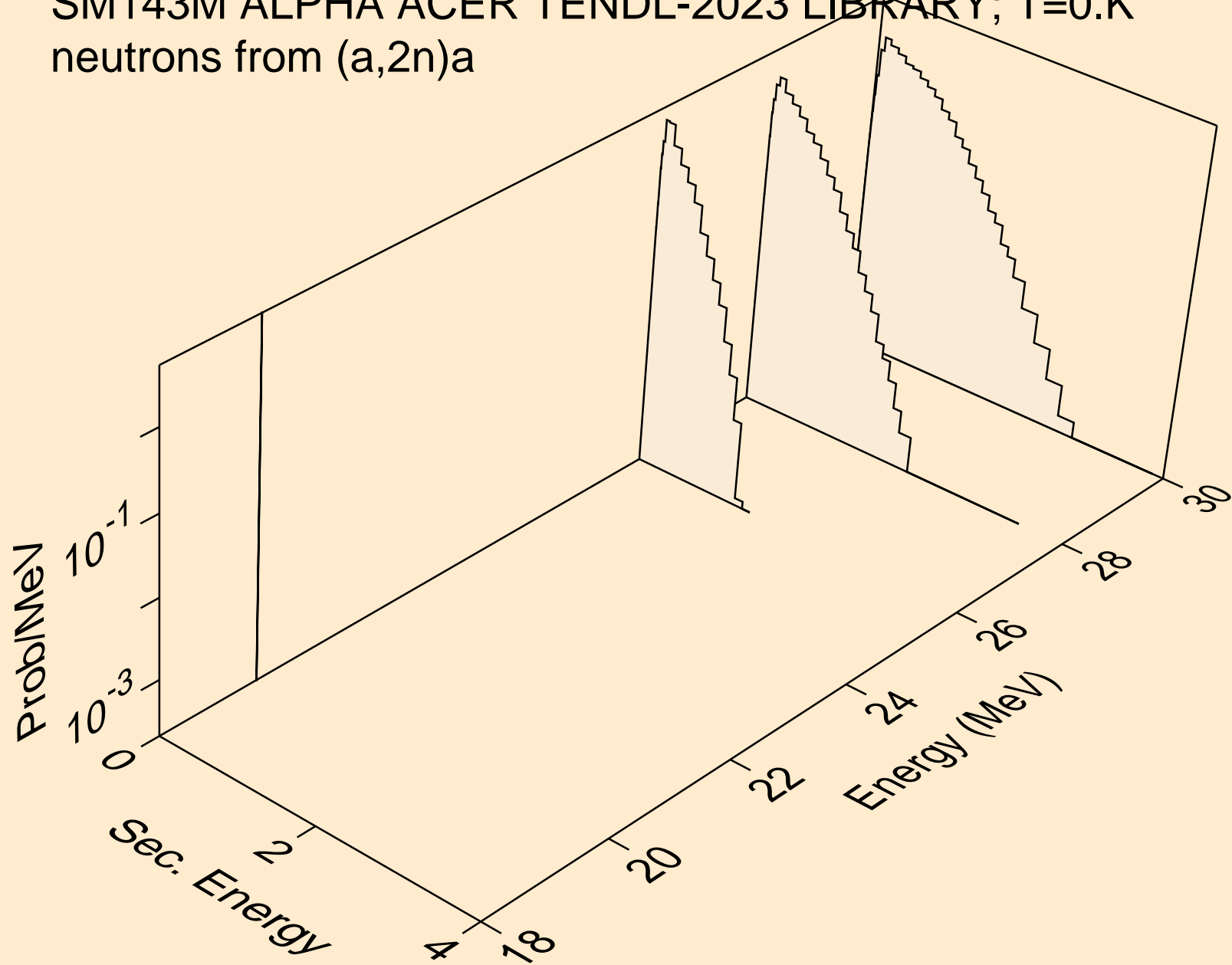
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neutrons from (a,2n)



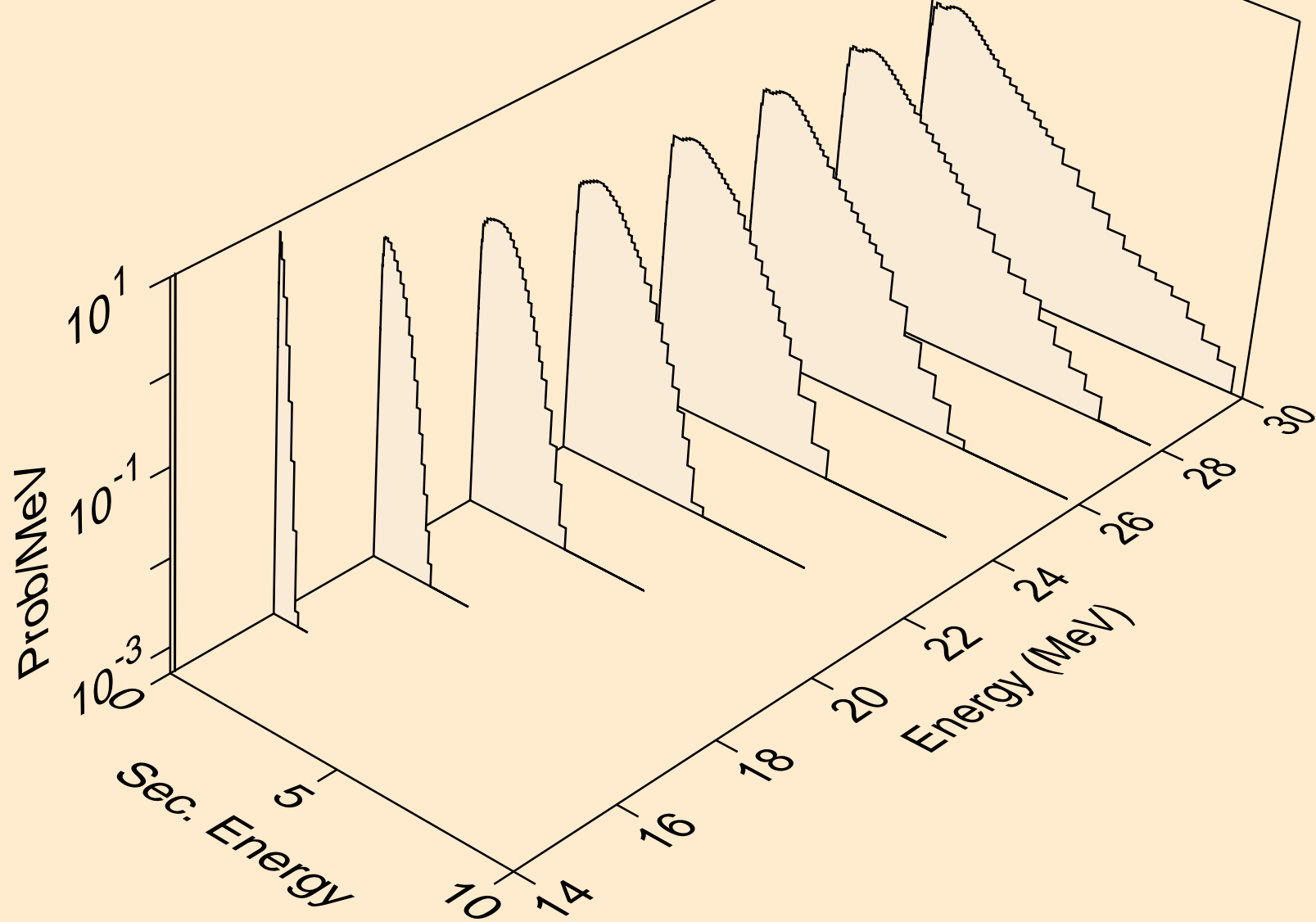
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neutrons from (a,n\*)a



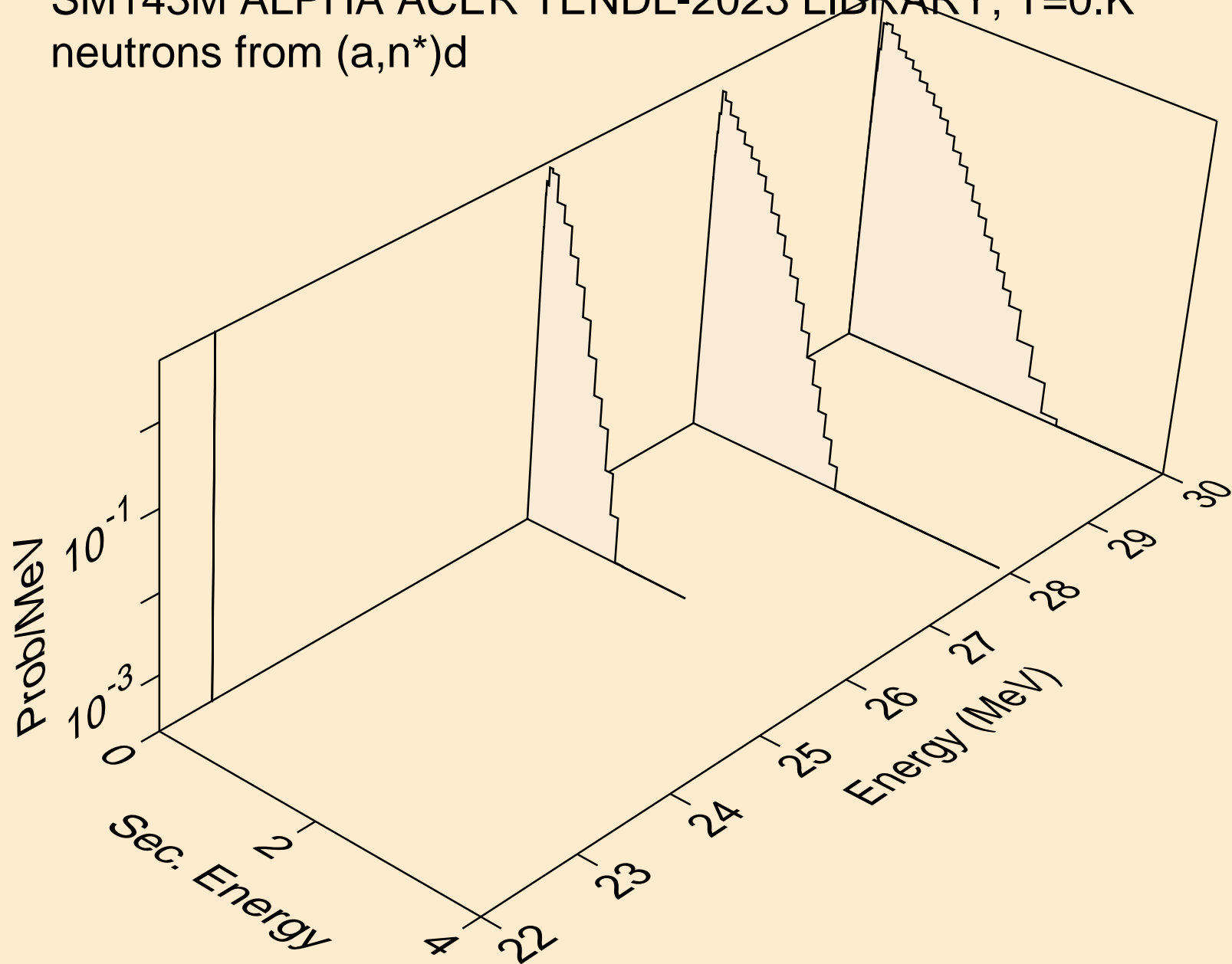
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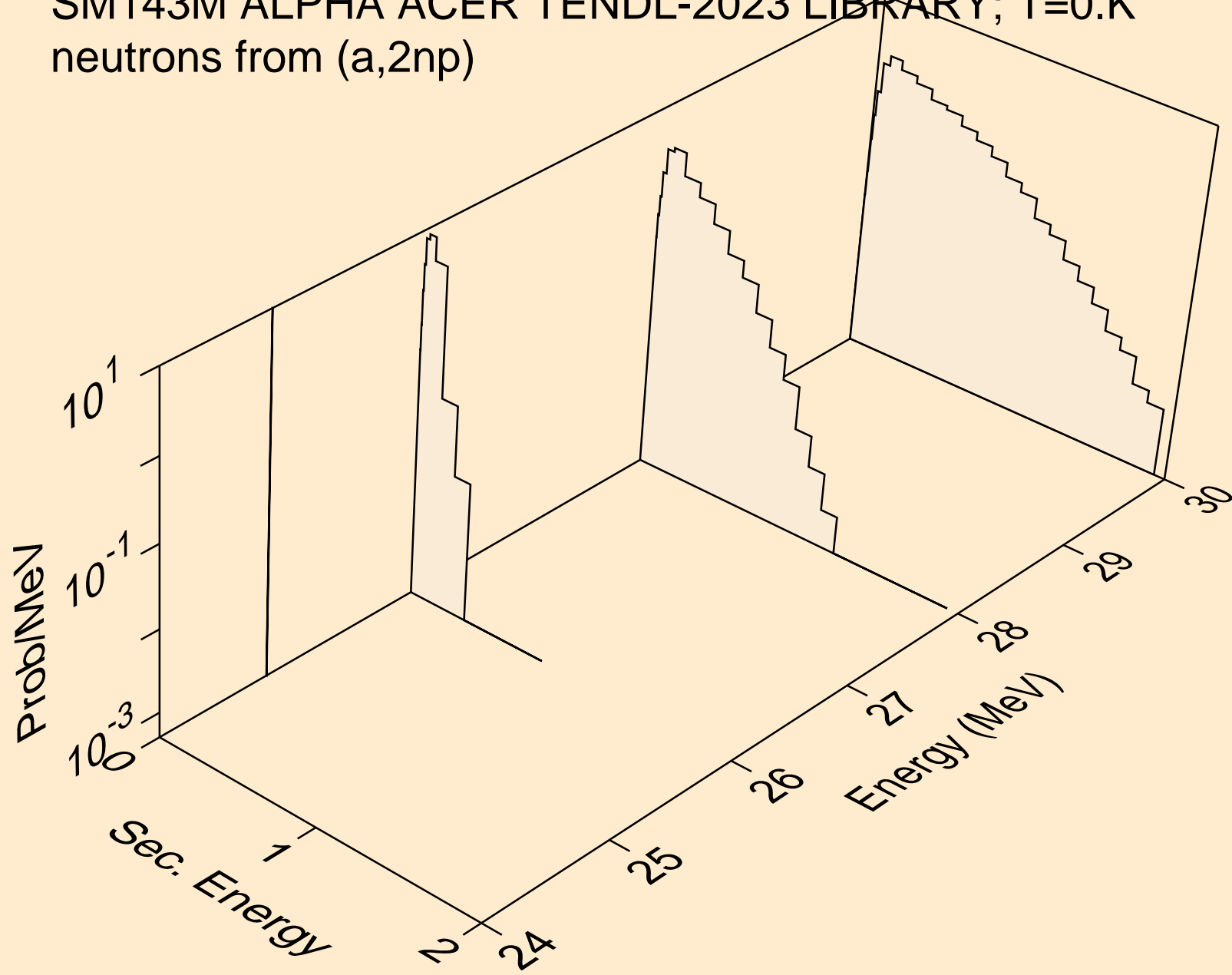
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neutrons from (a,n\*)p



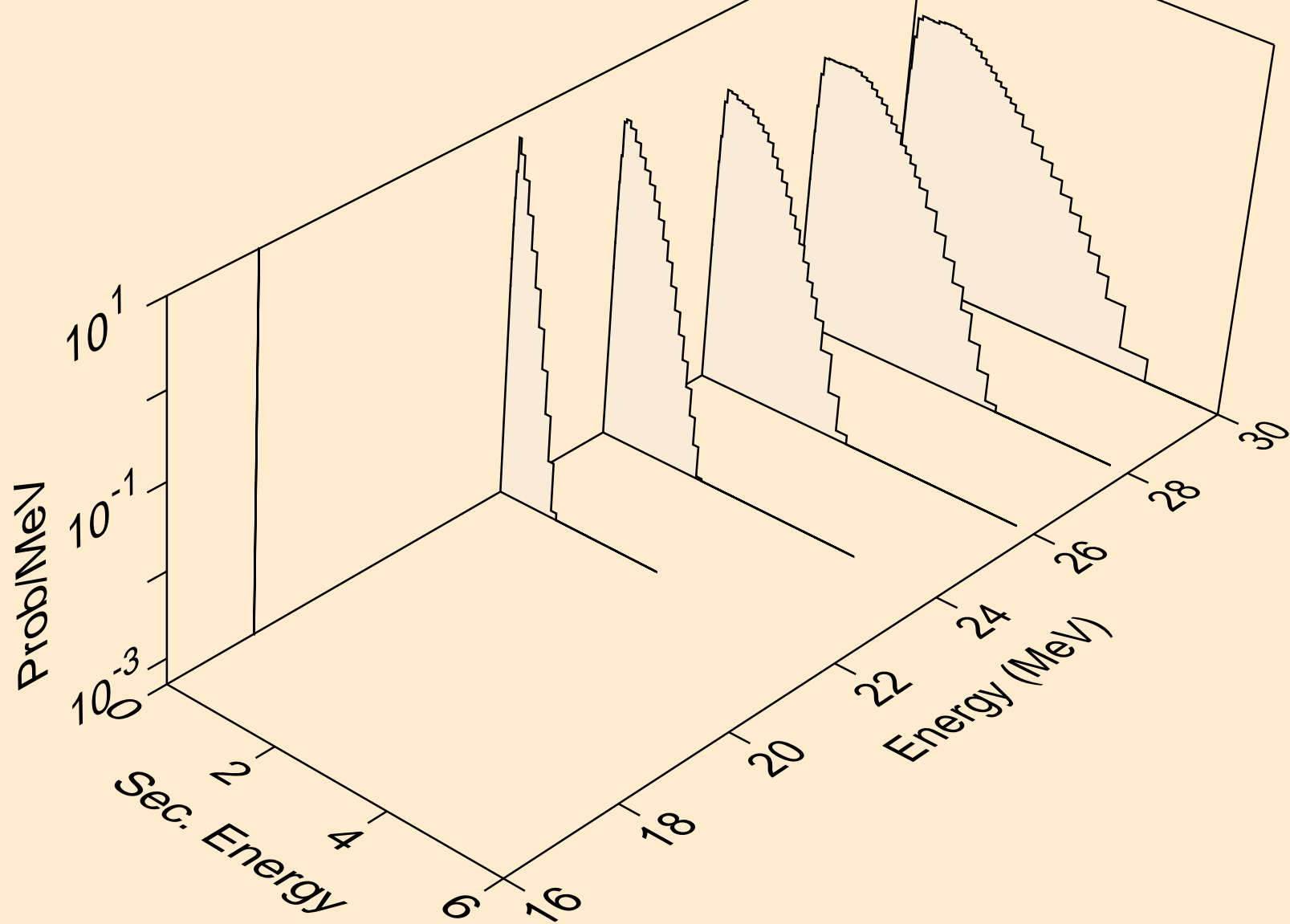
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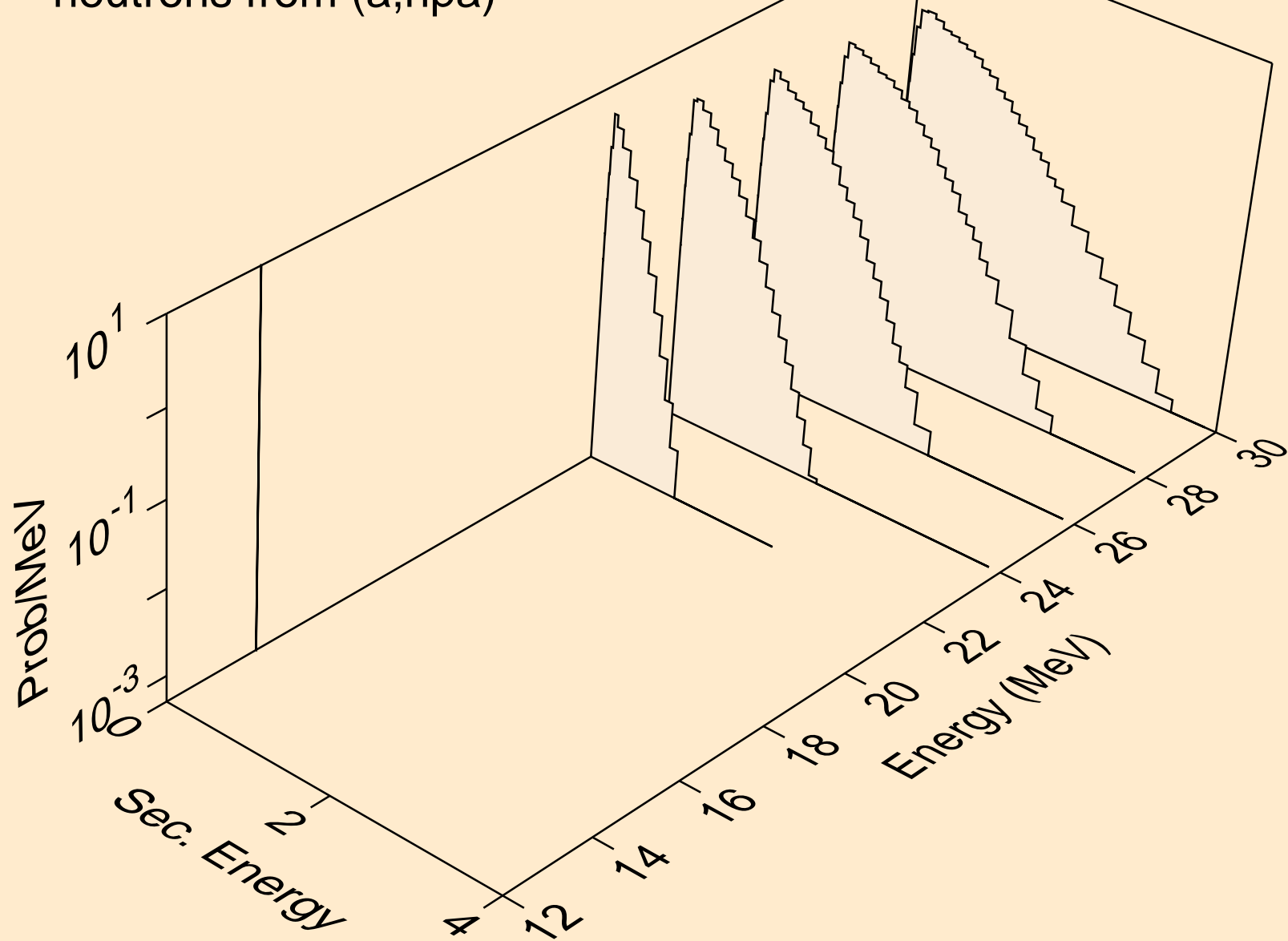
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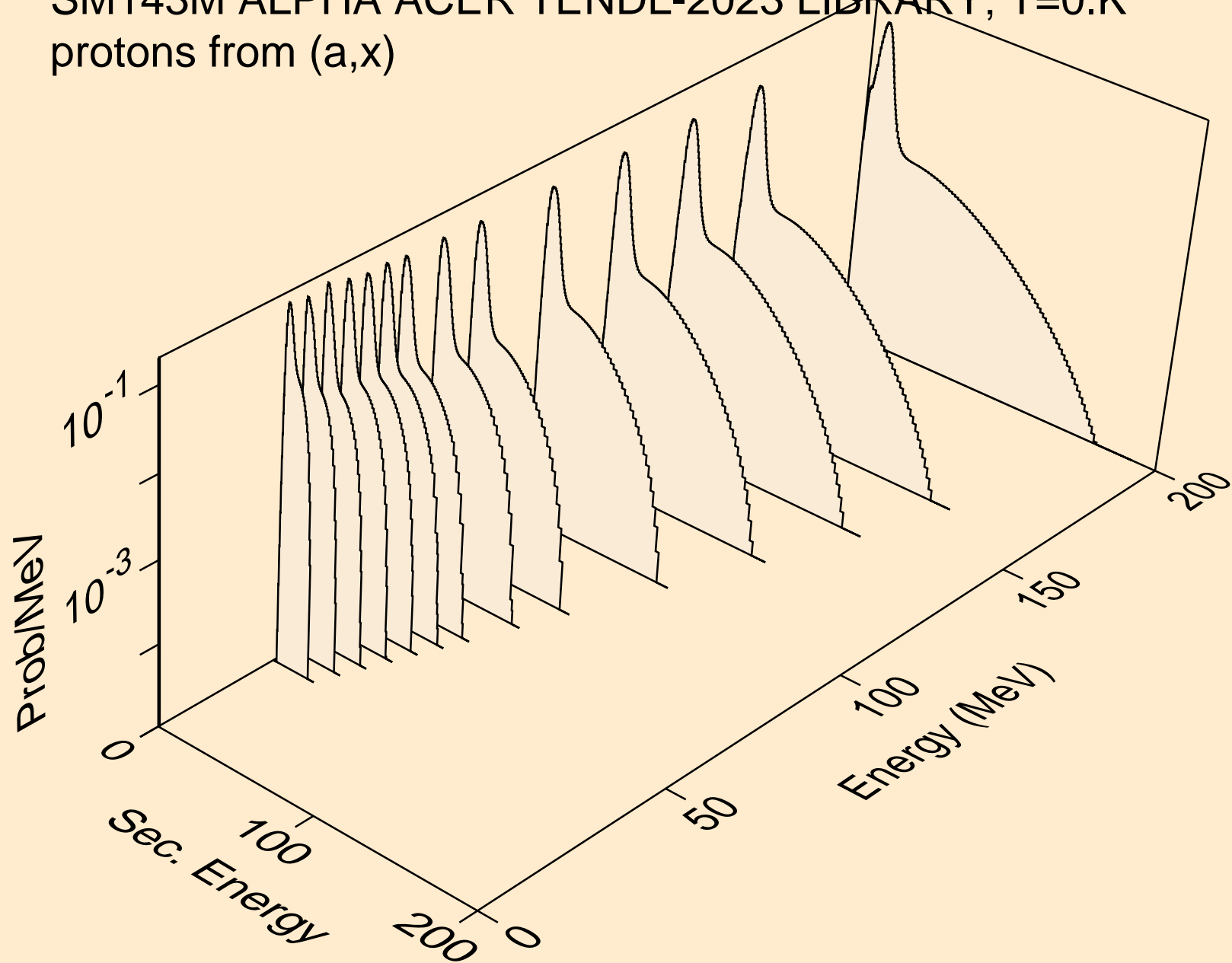
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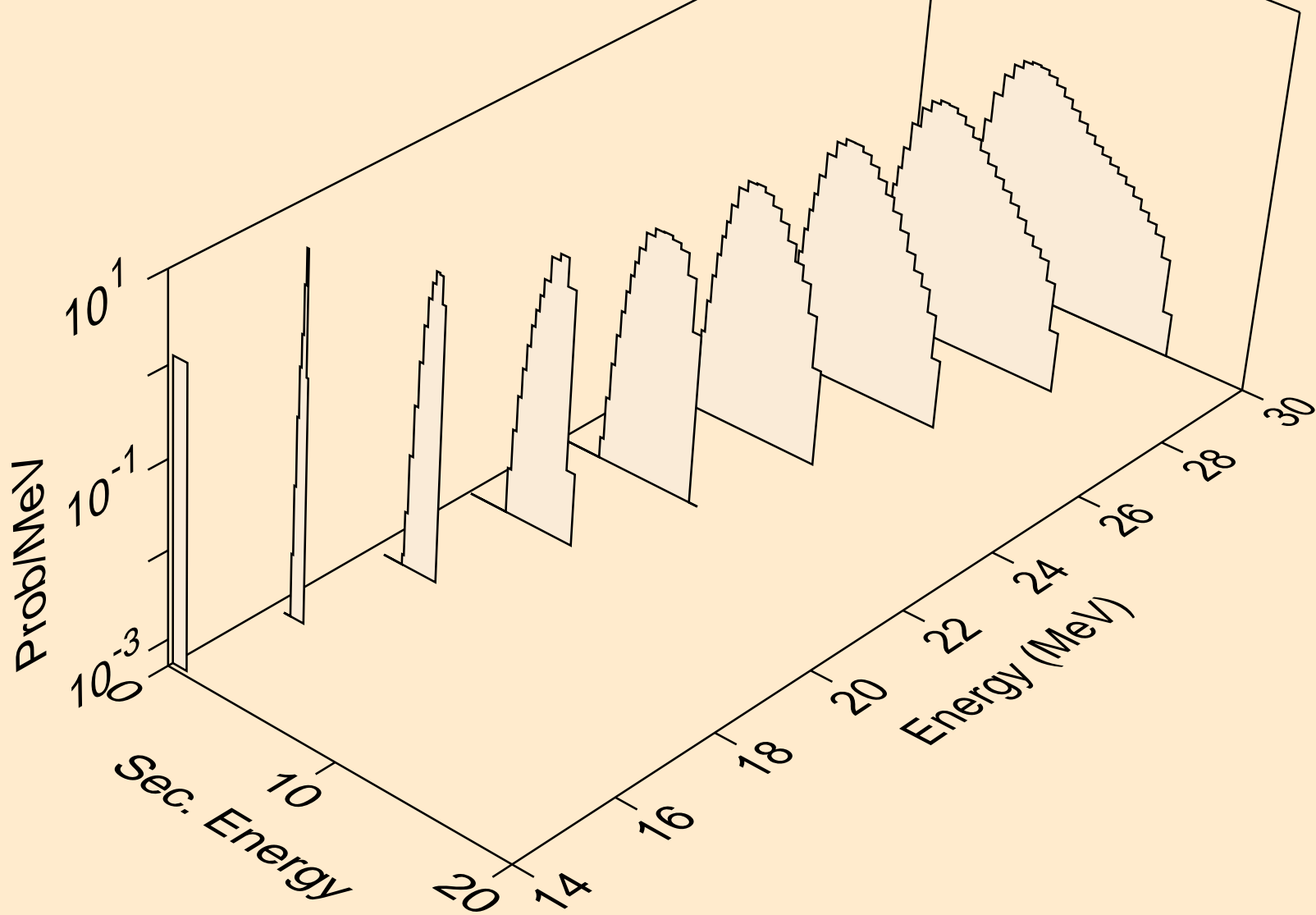
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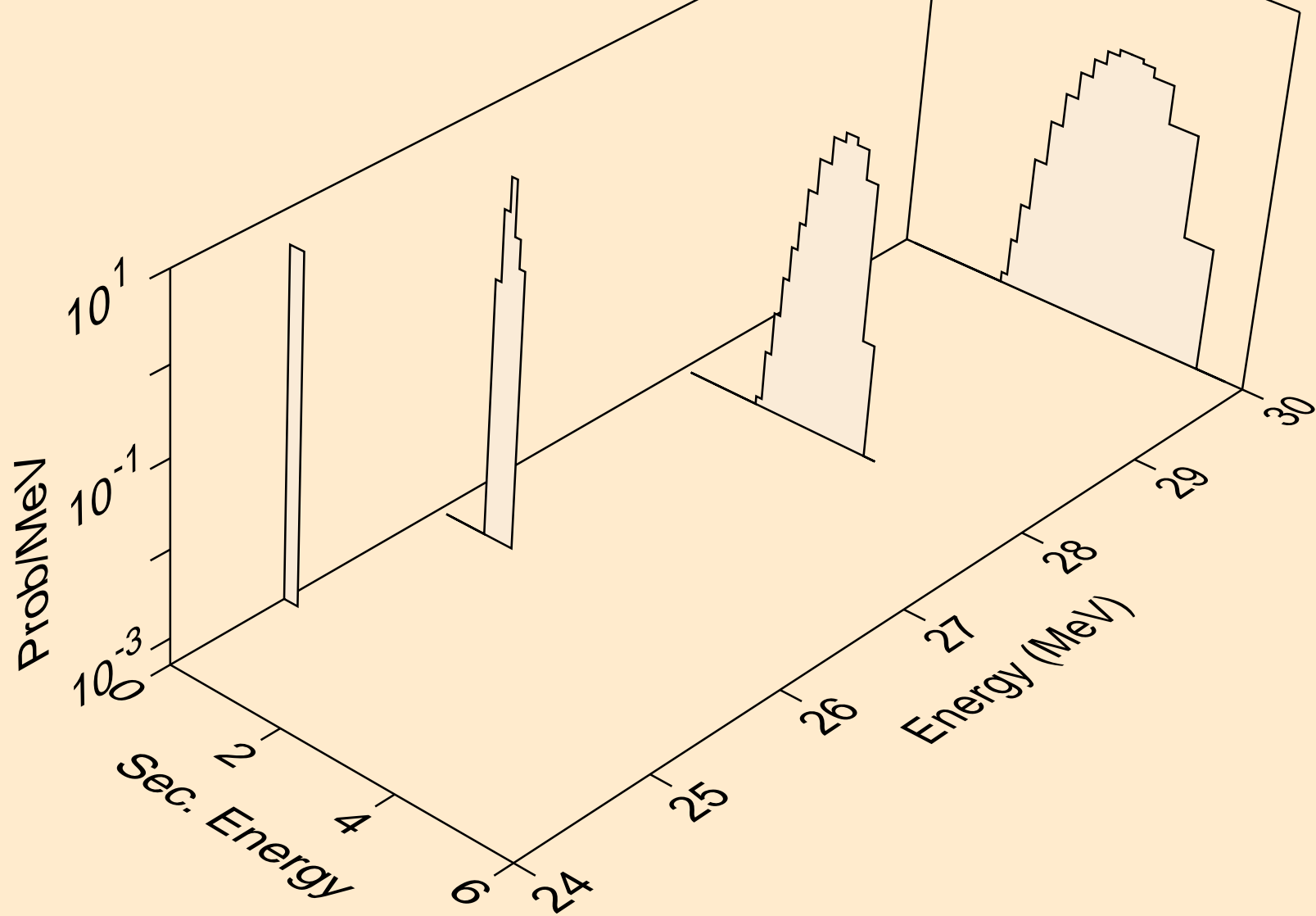
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protons from (a,x)



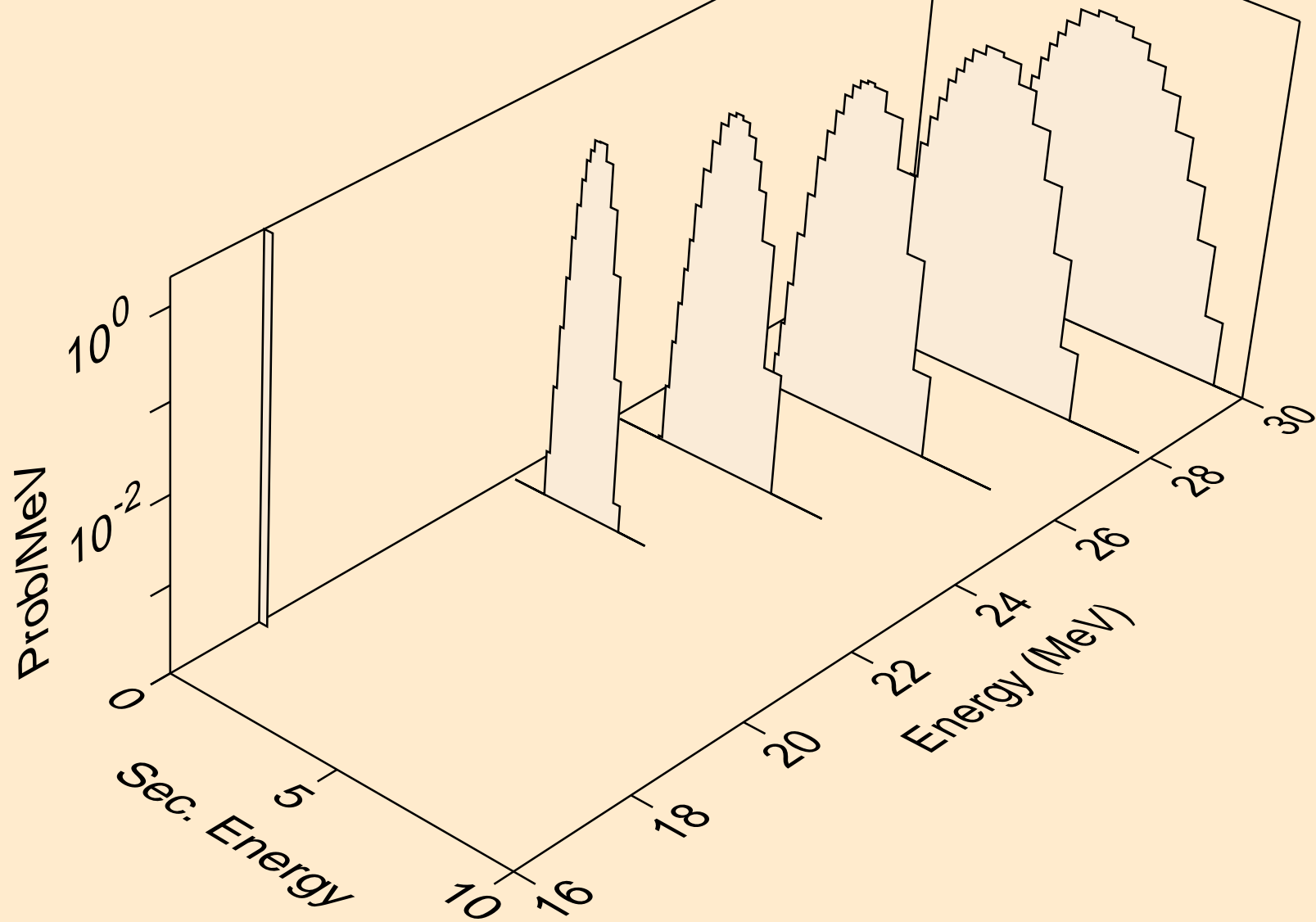
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protons from (a,n\*)p



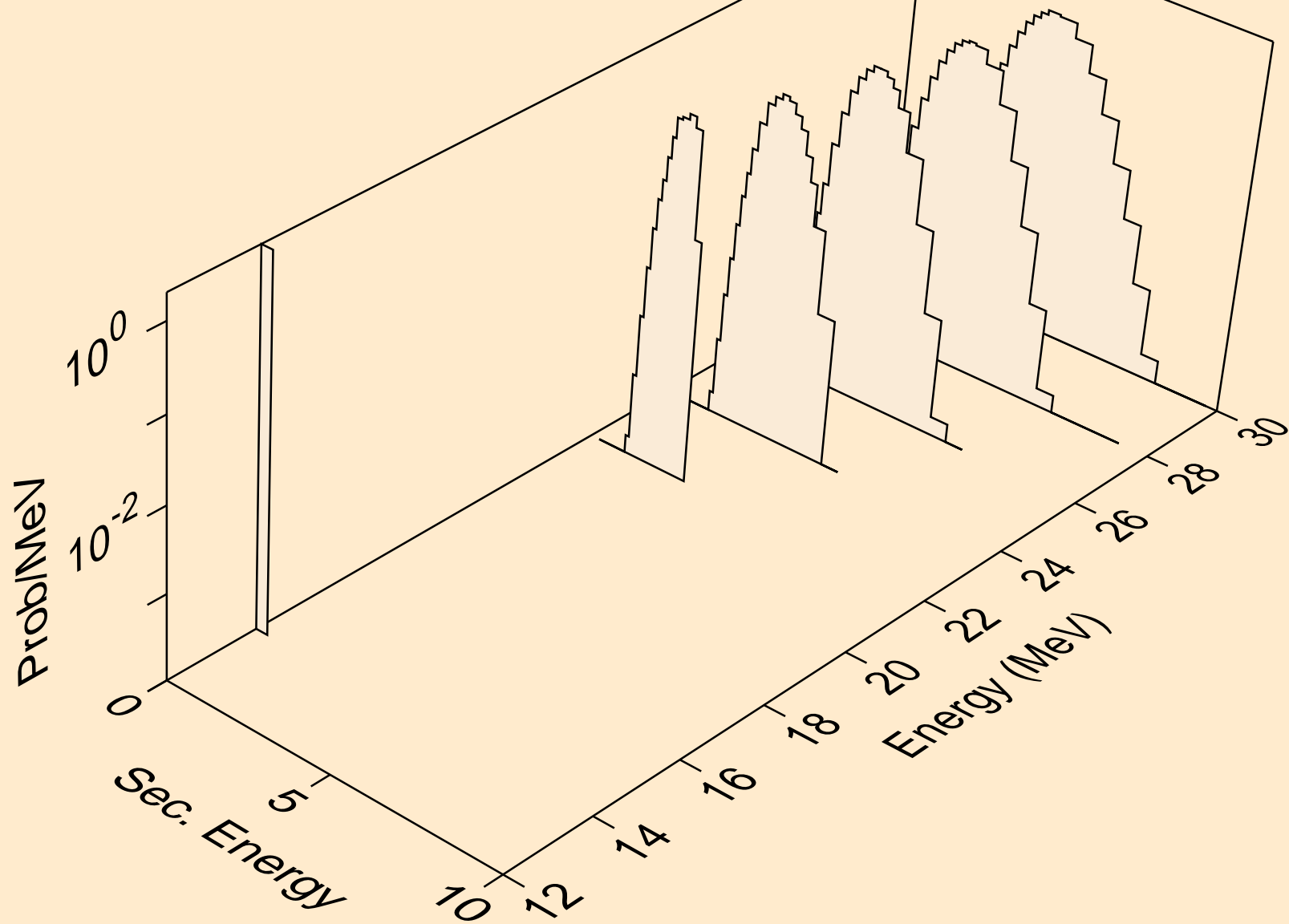
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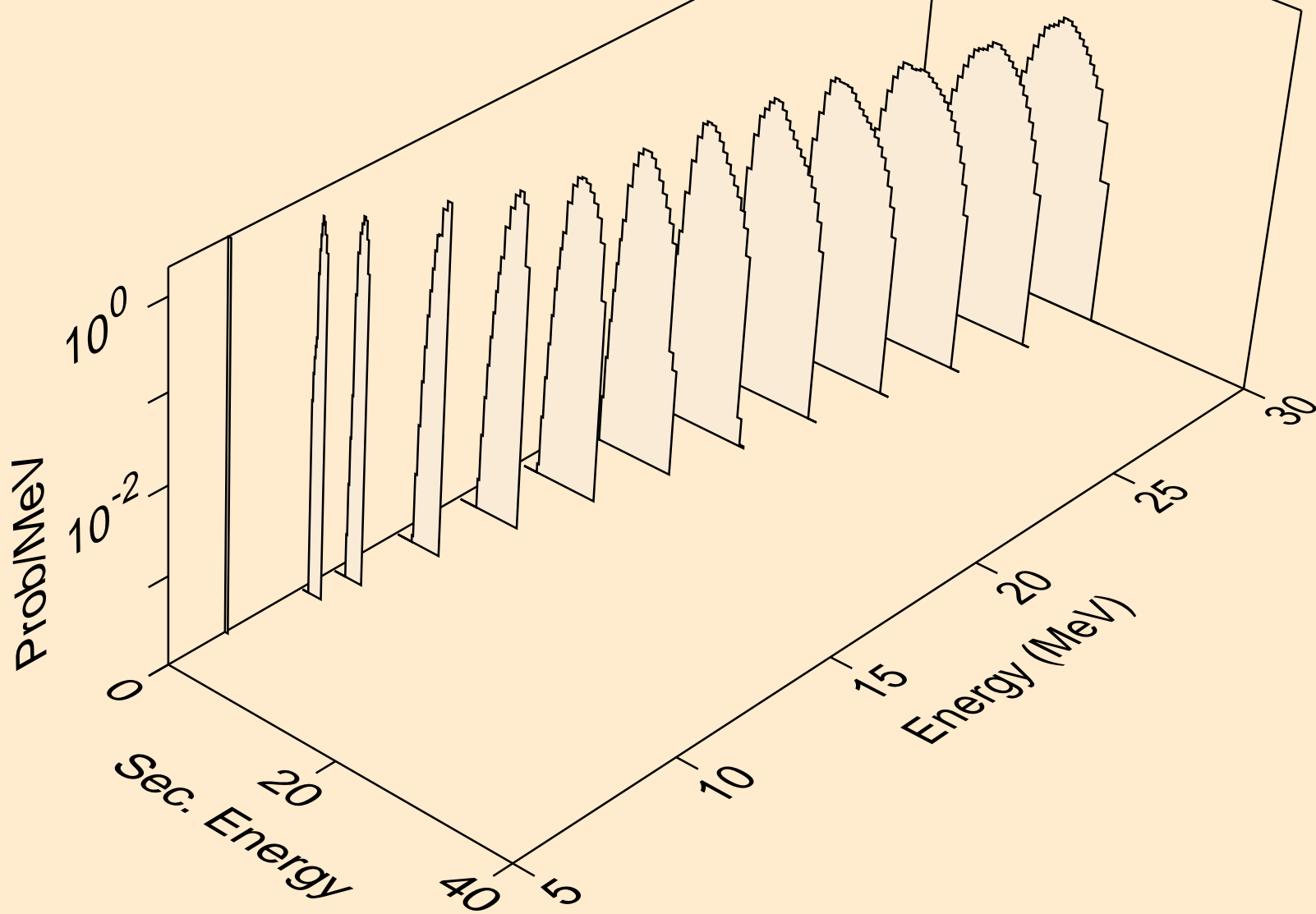
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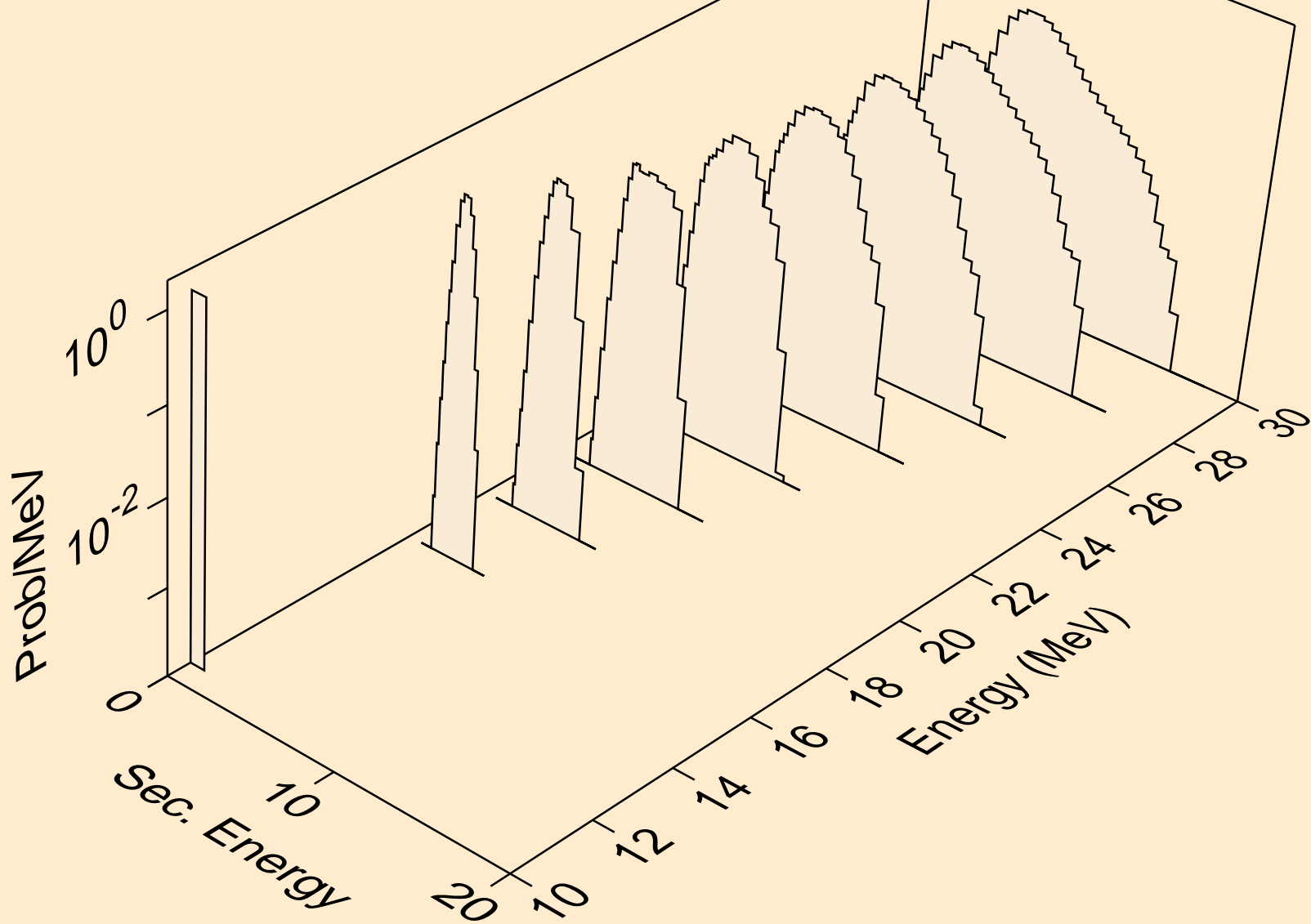
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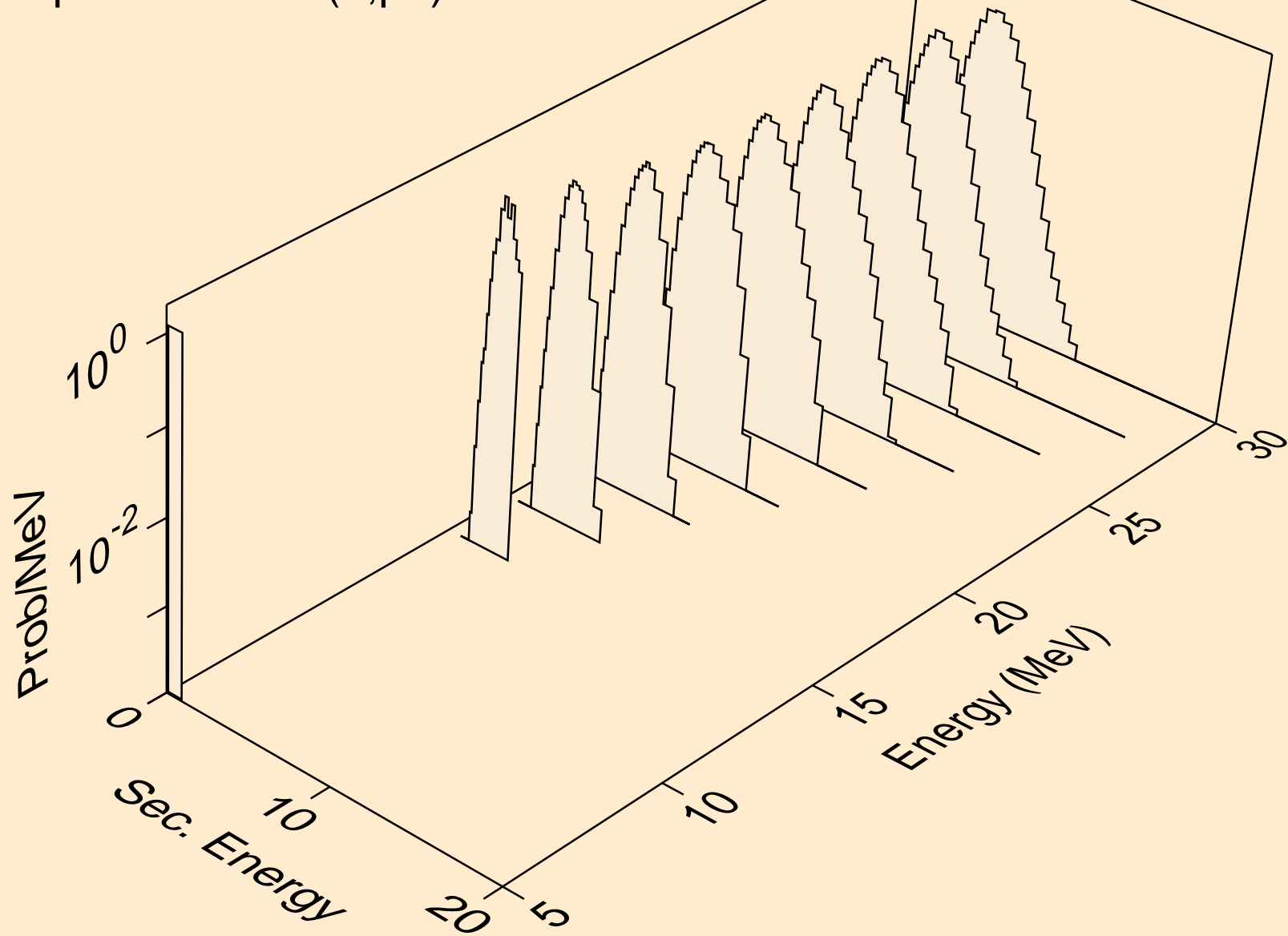
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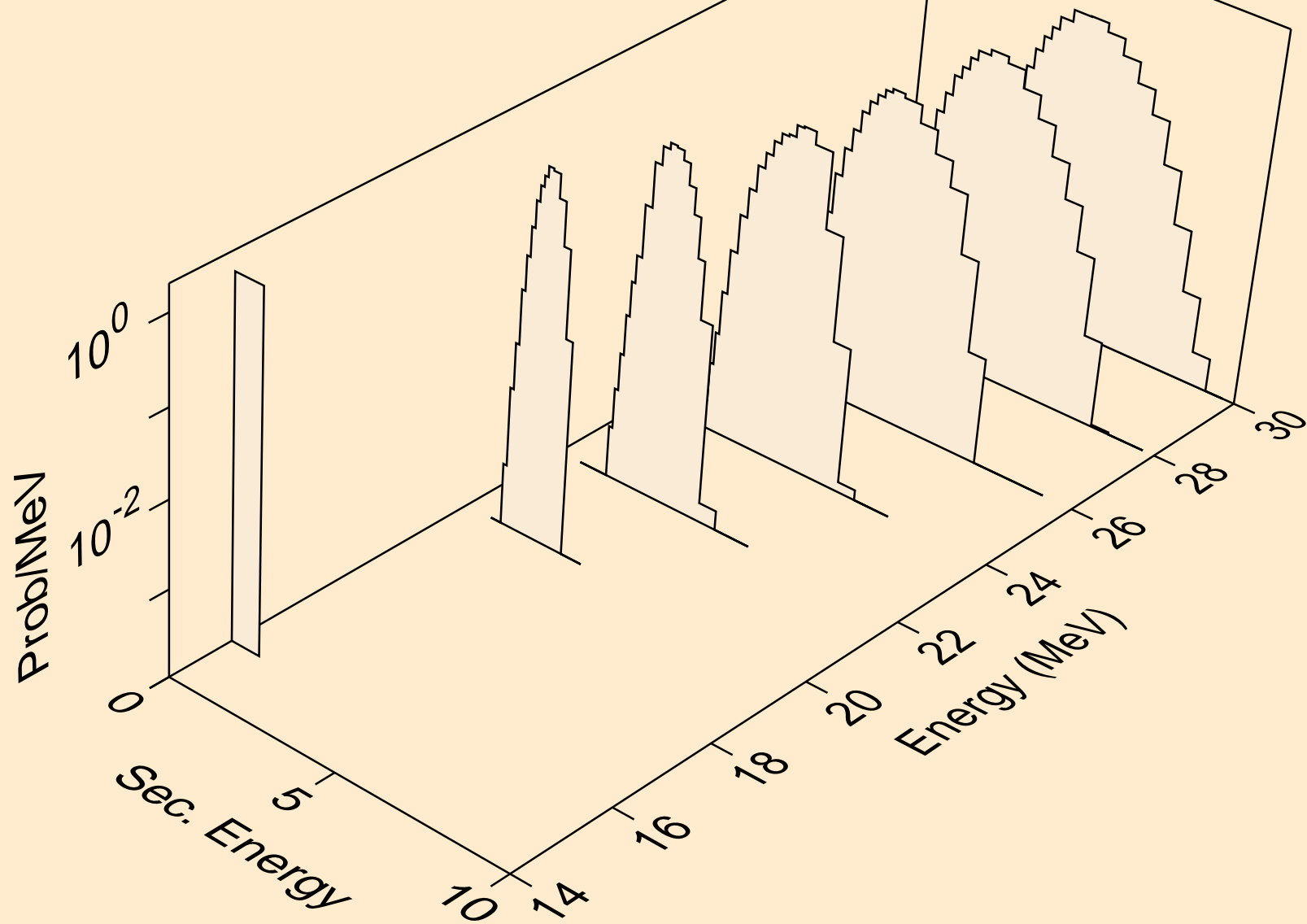
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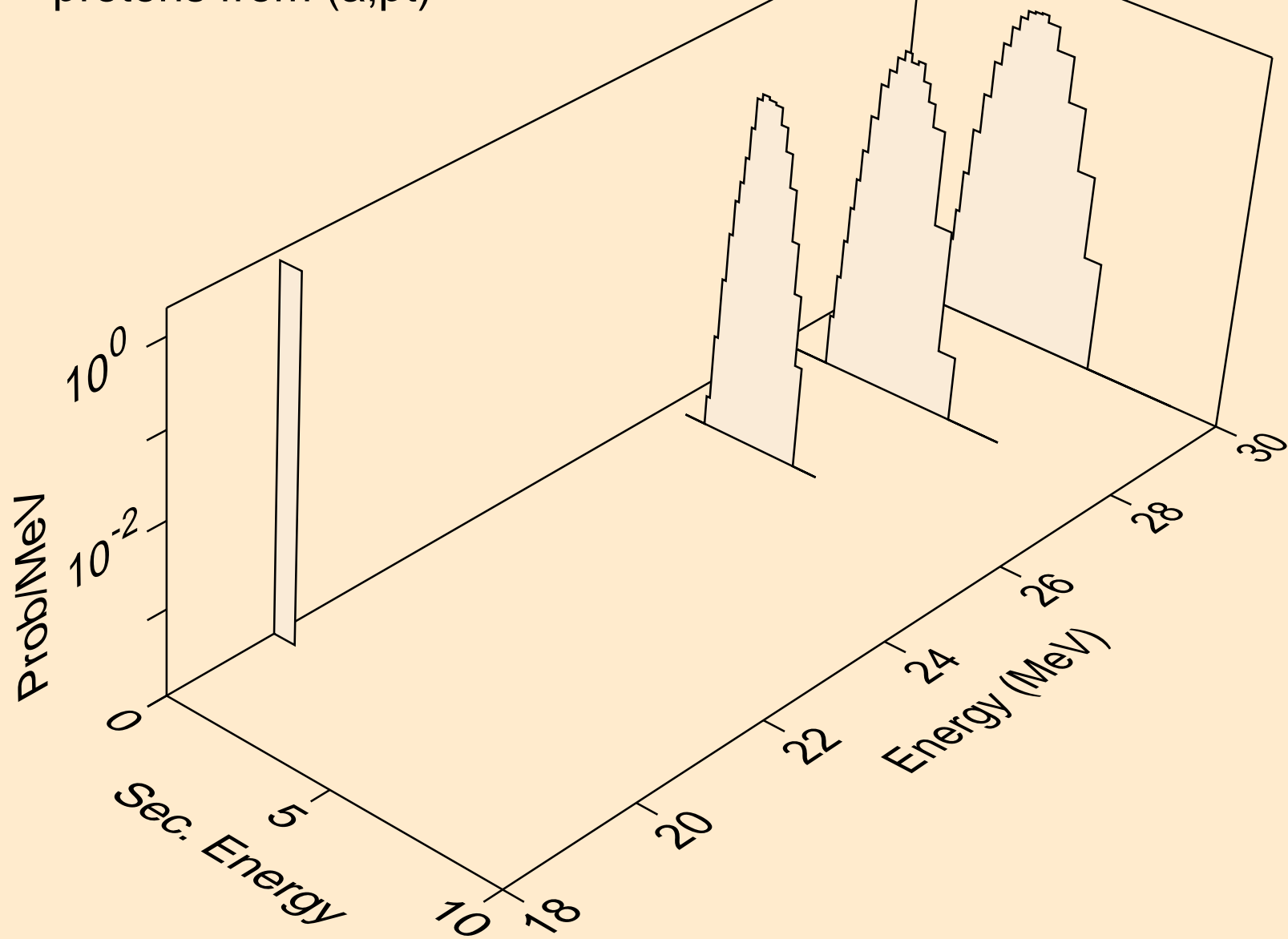
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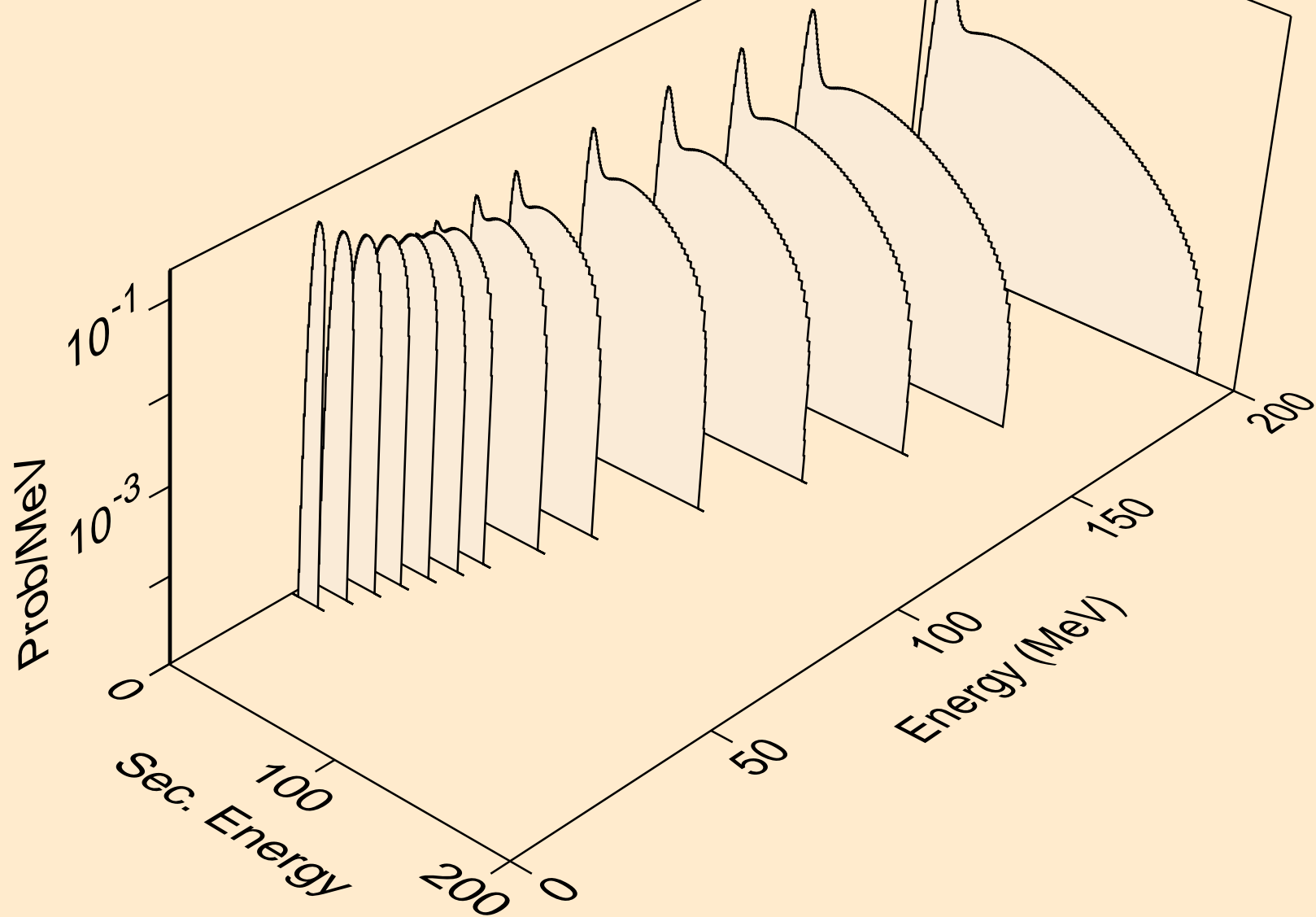
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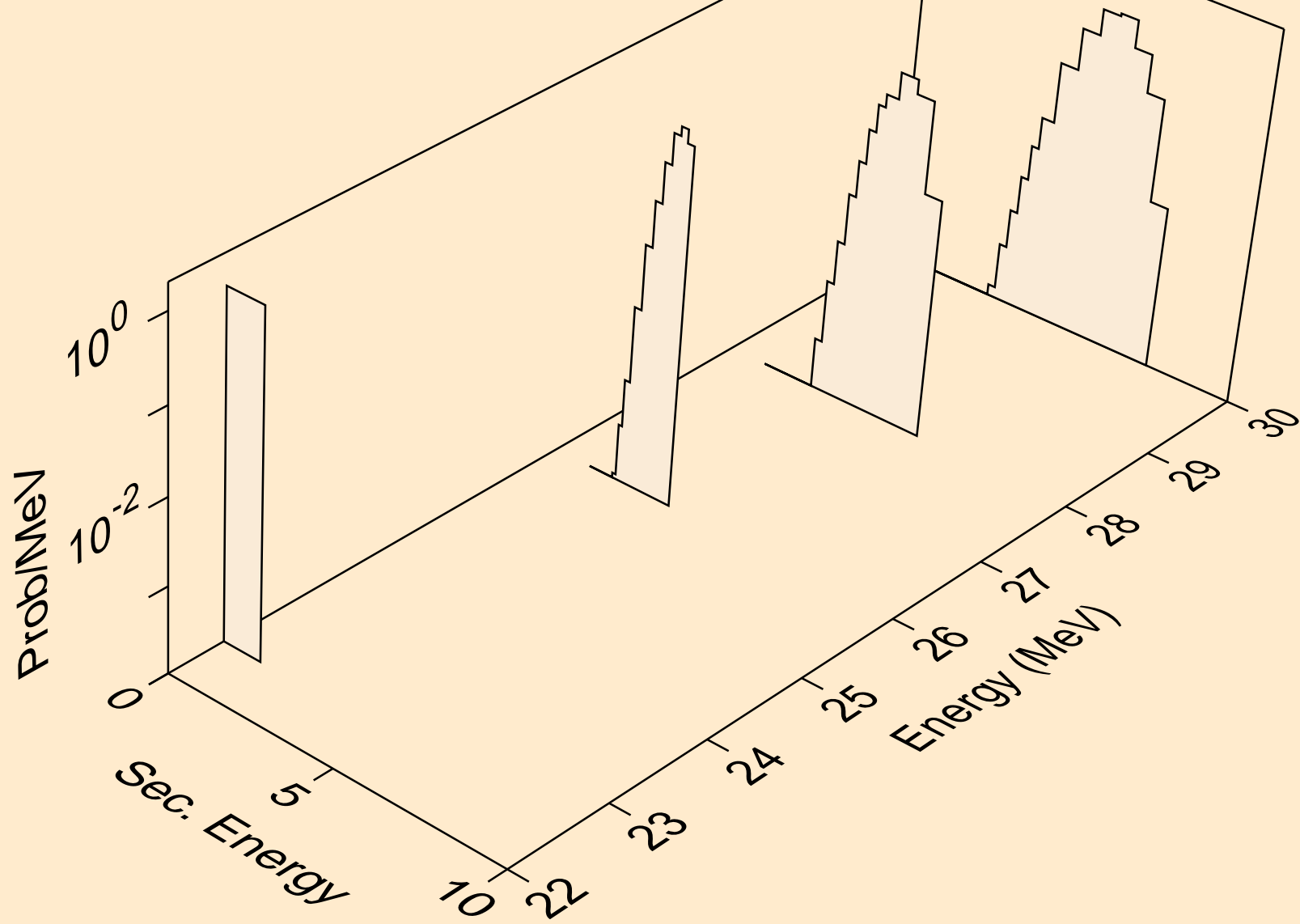
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protons from (a,pt)



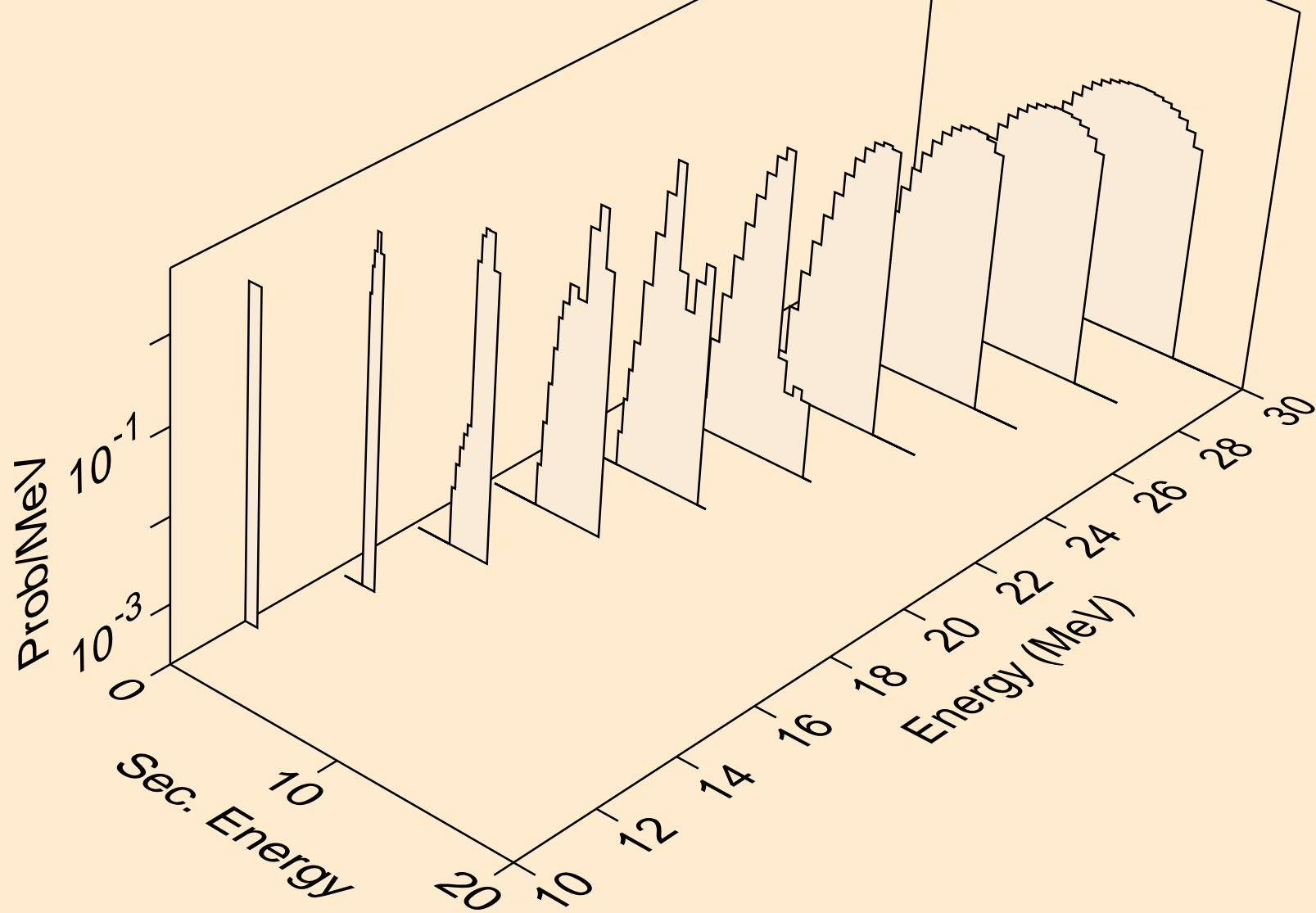
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deuterons from (a,x)



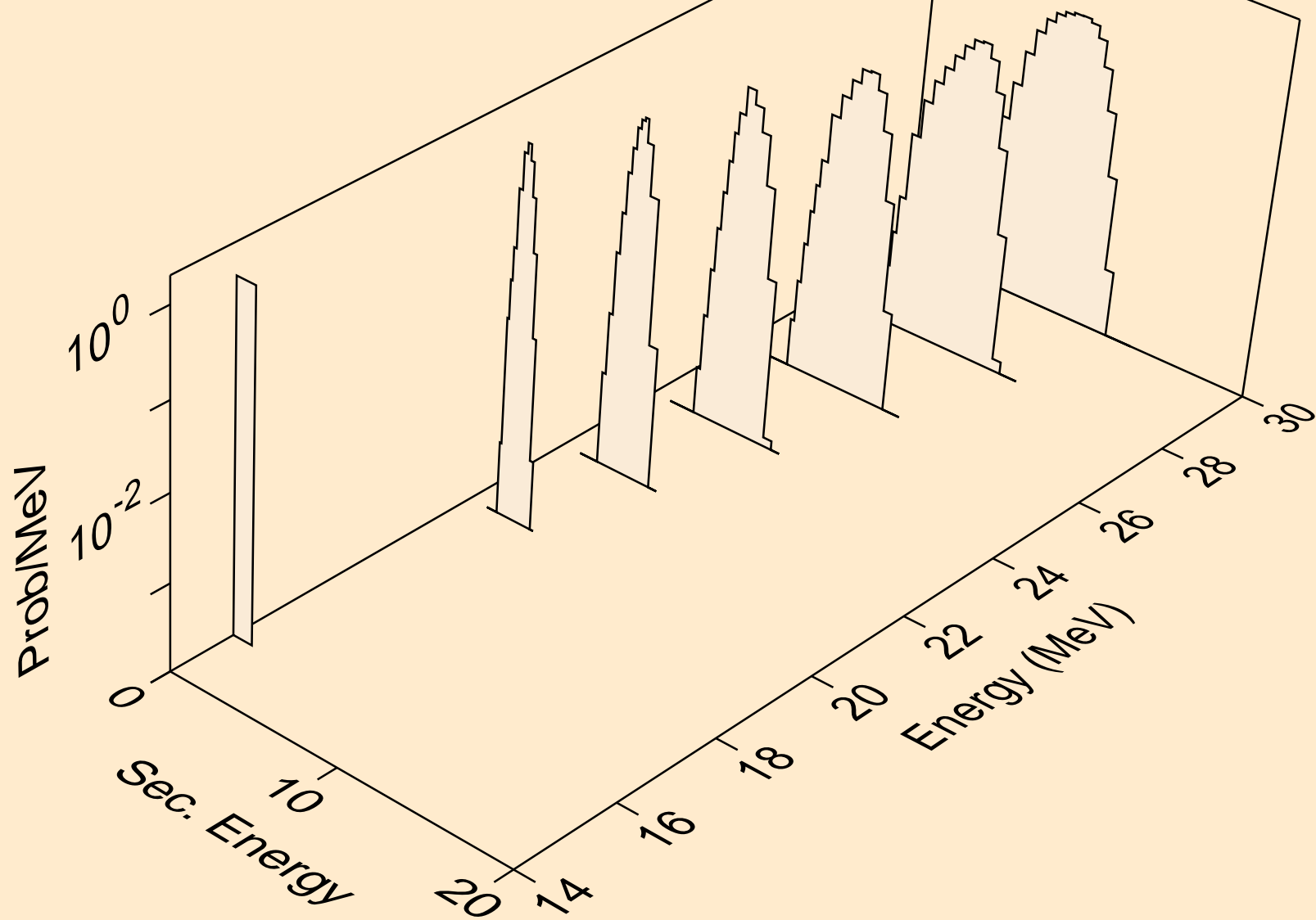
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deuterons from (a,n\*)d



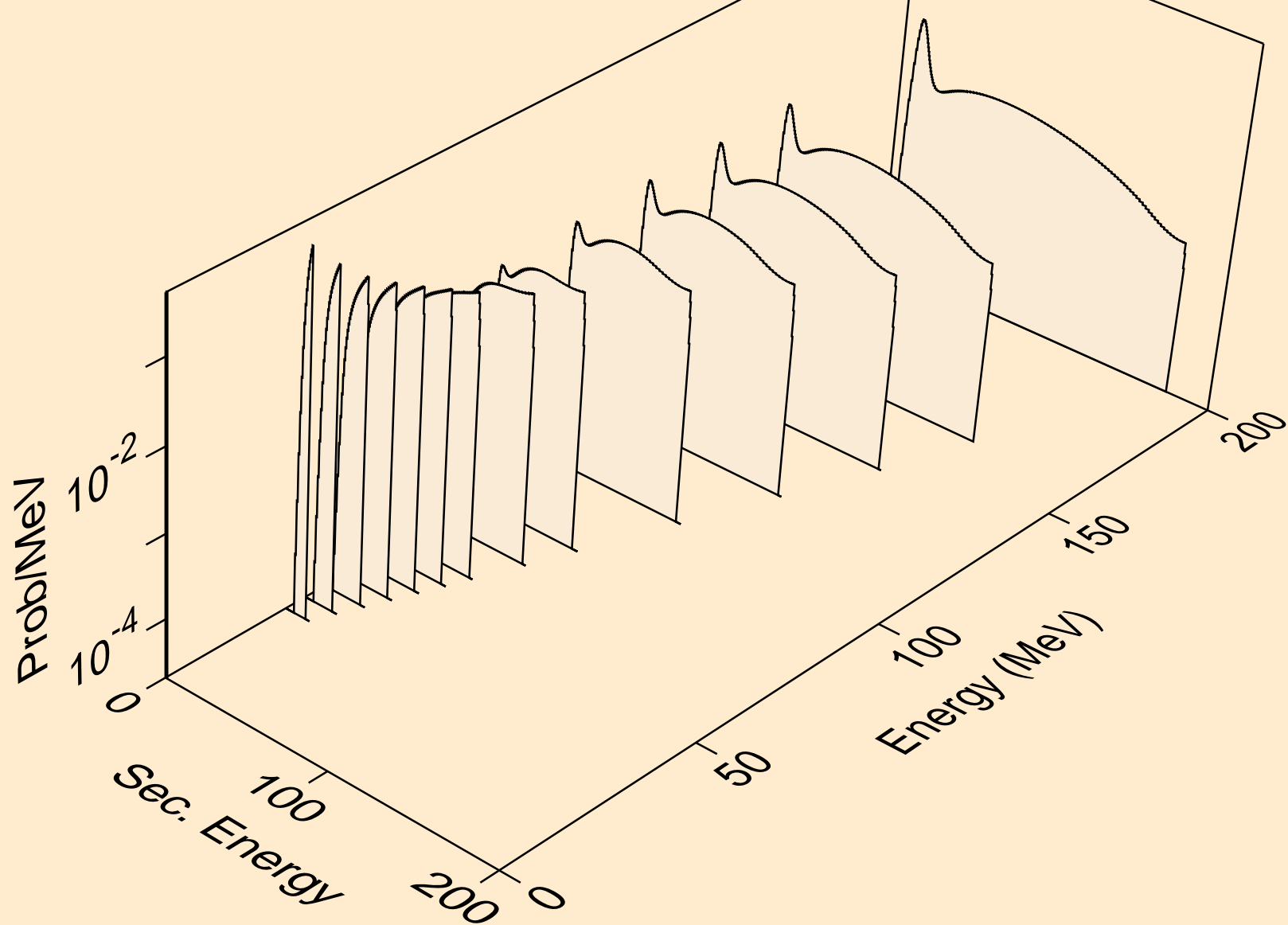
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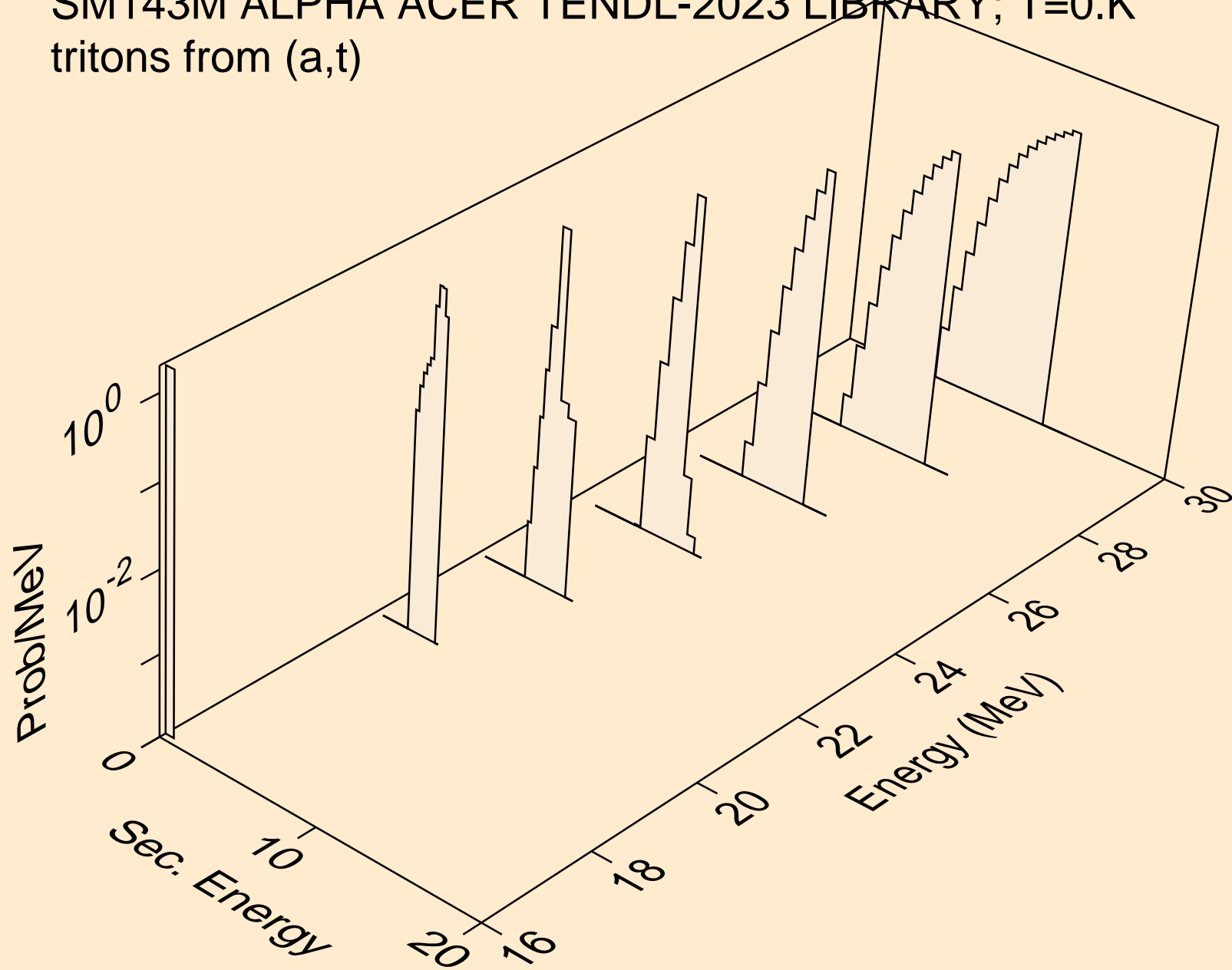
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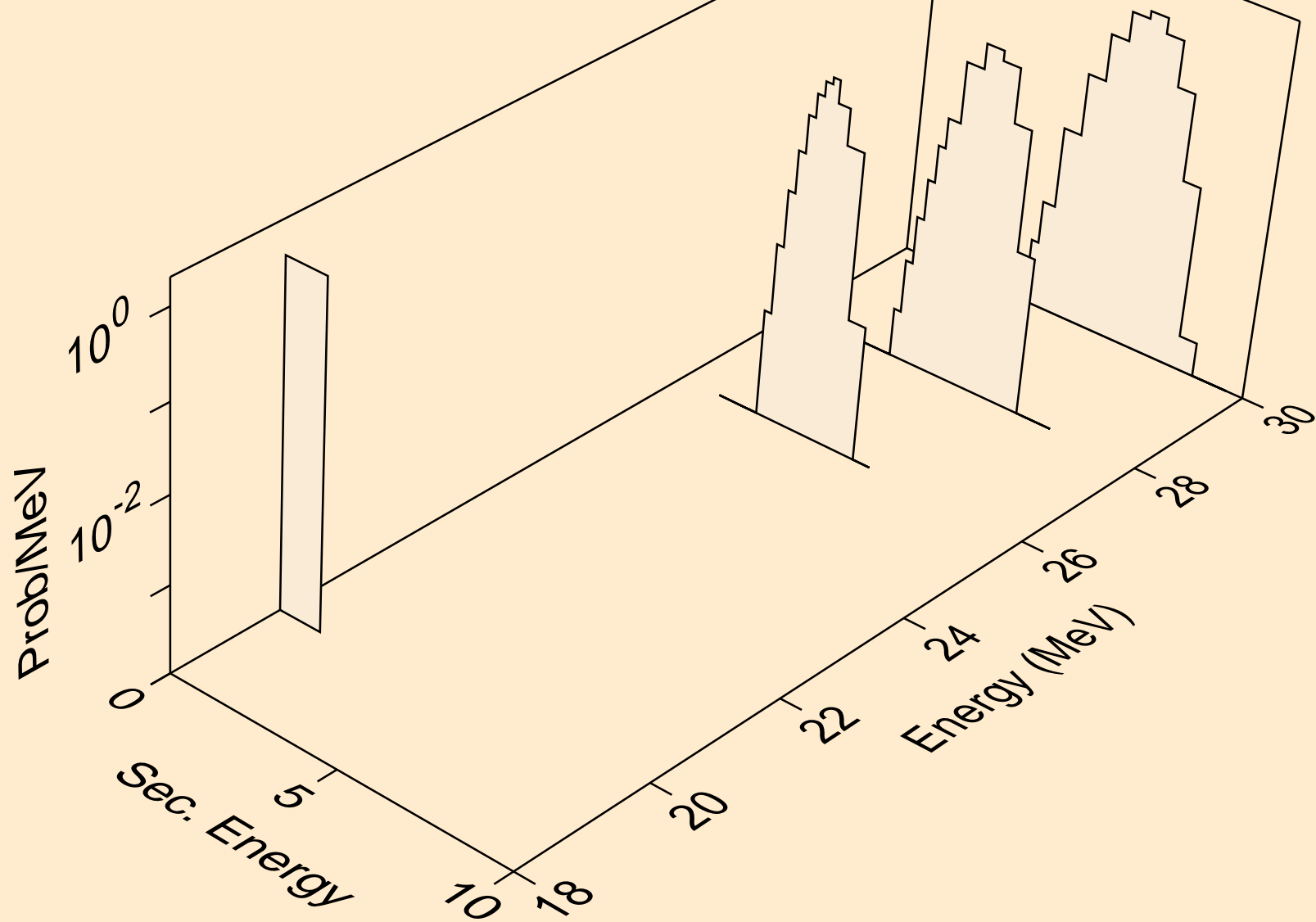
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tritons from (a,x)



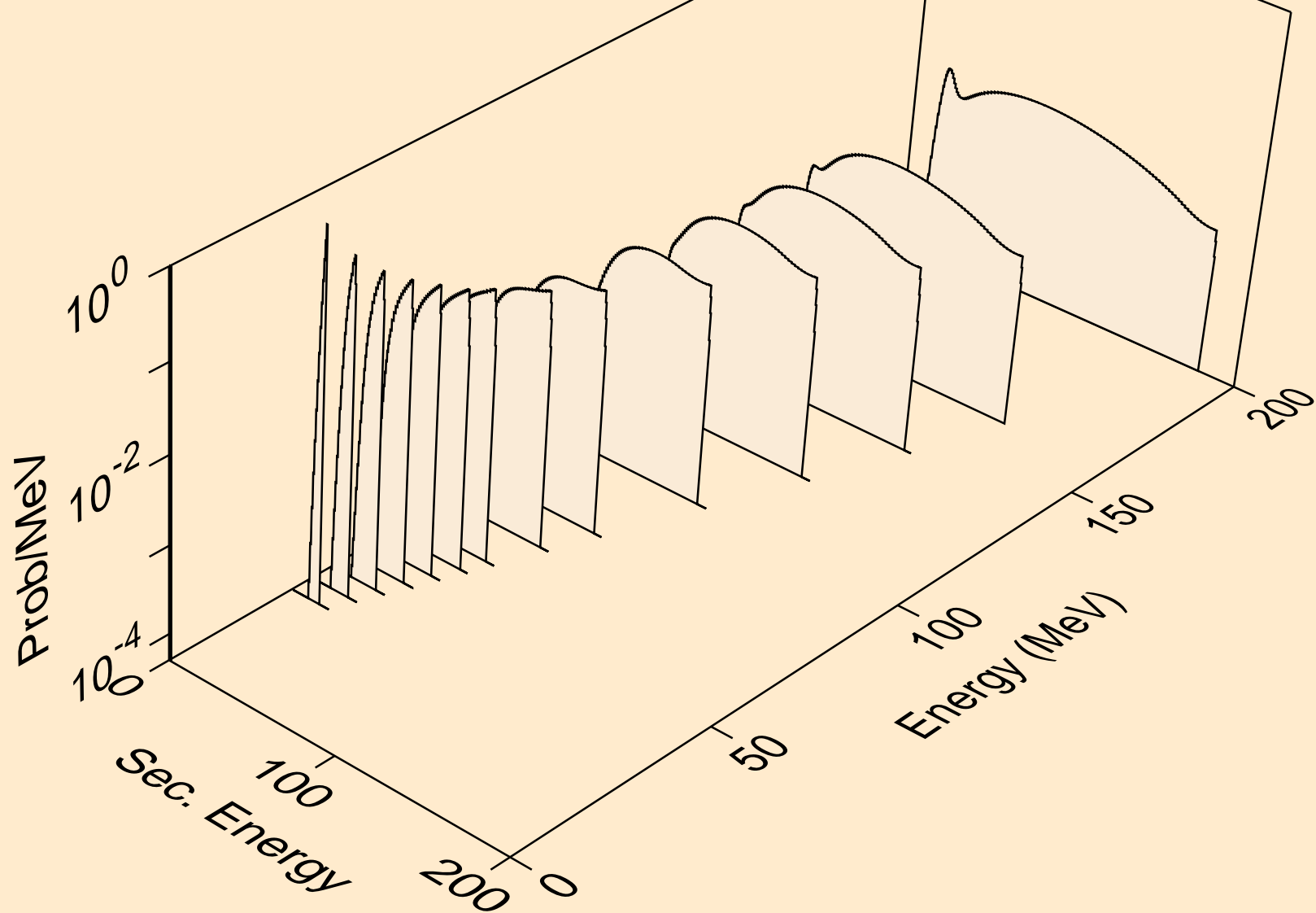
SM143M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,t)



SM143M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,pt)



SM143M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,x)



SM143M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,he3)

