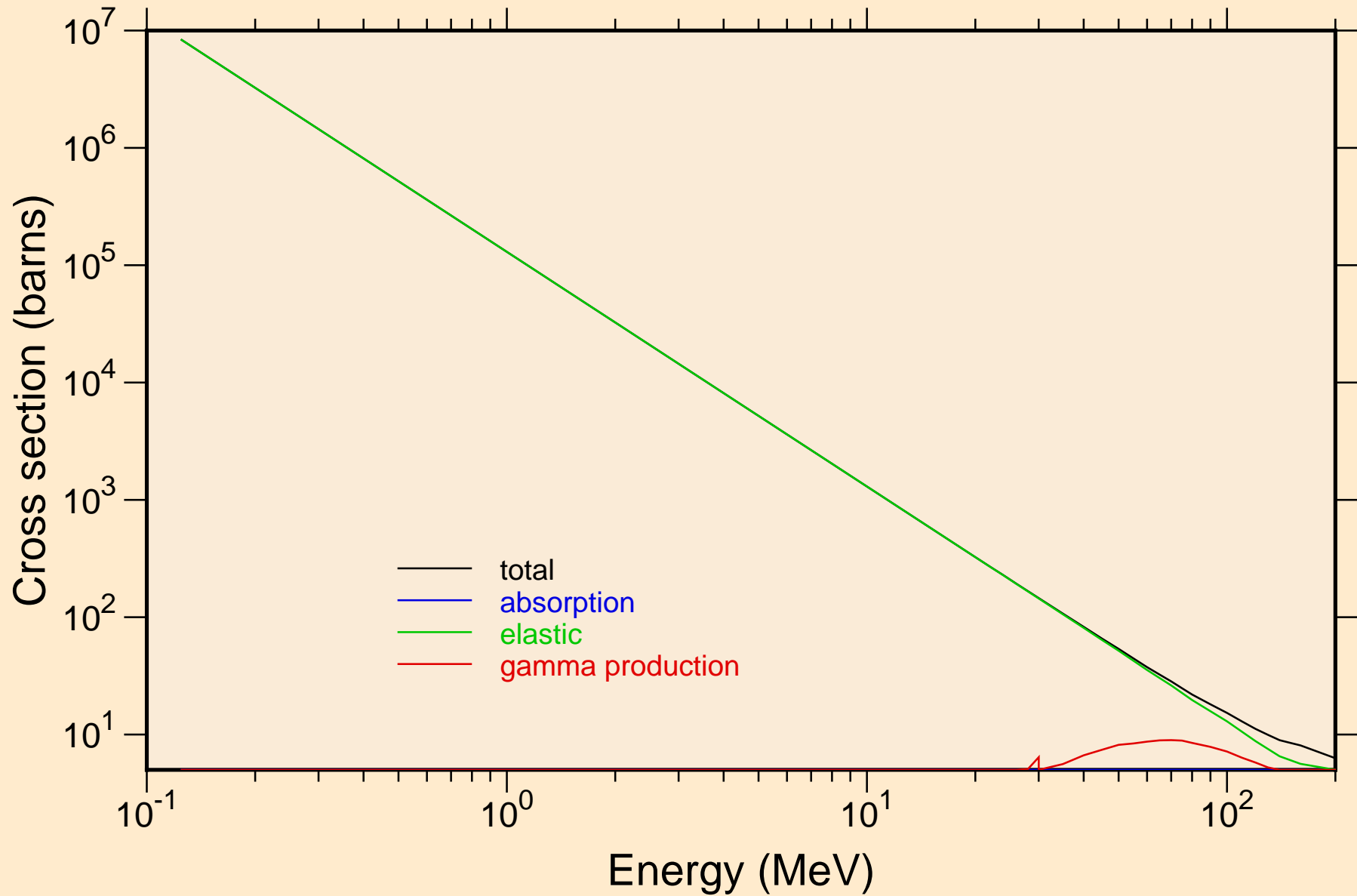
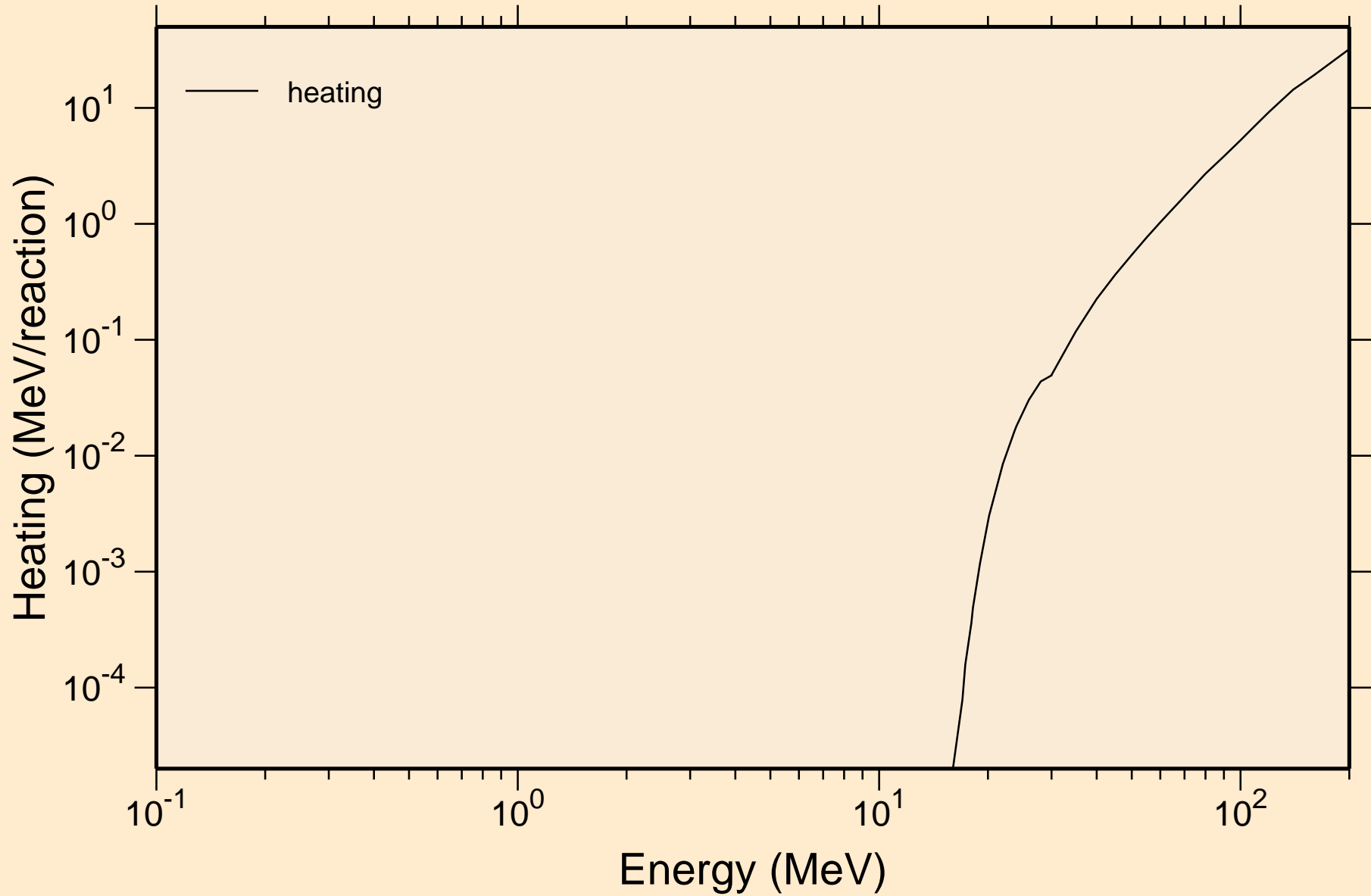


LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



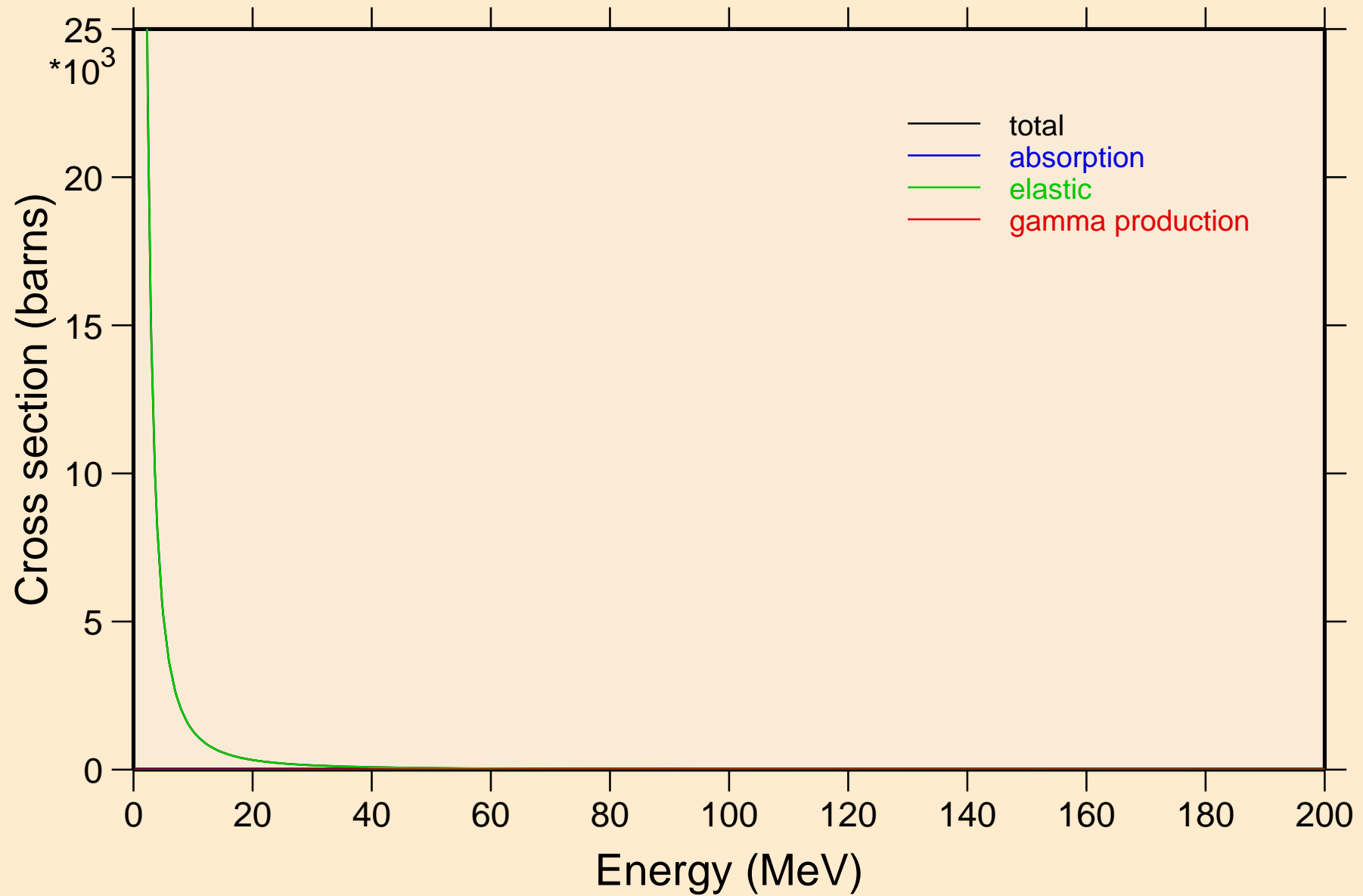
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Heating



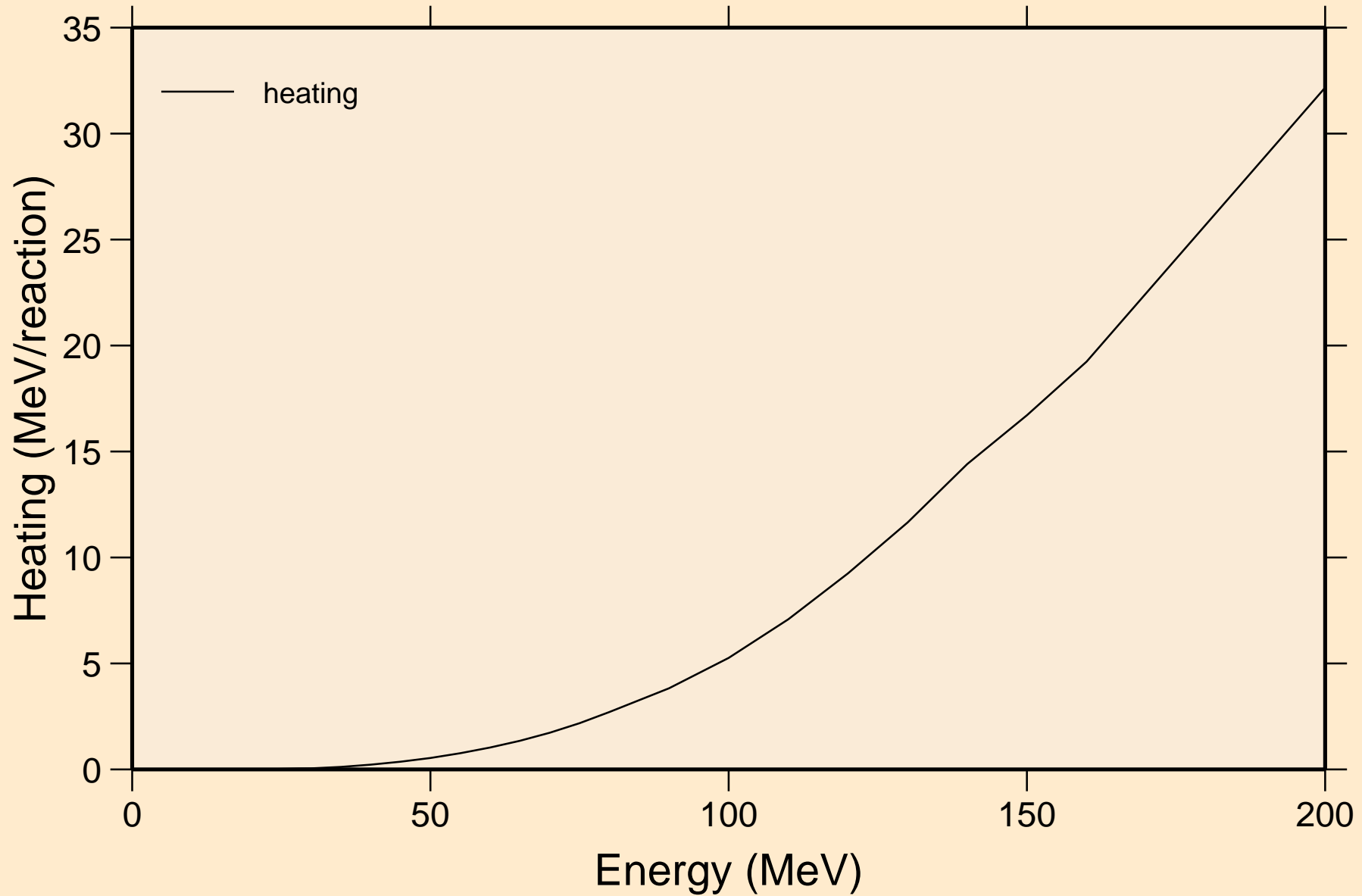
# LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

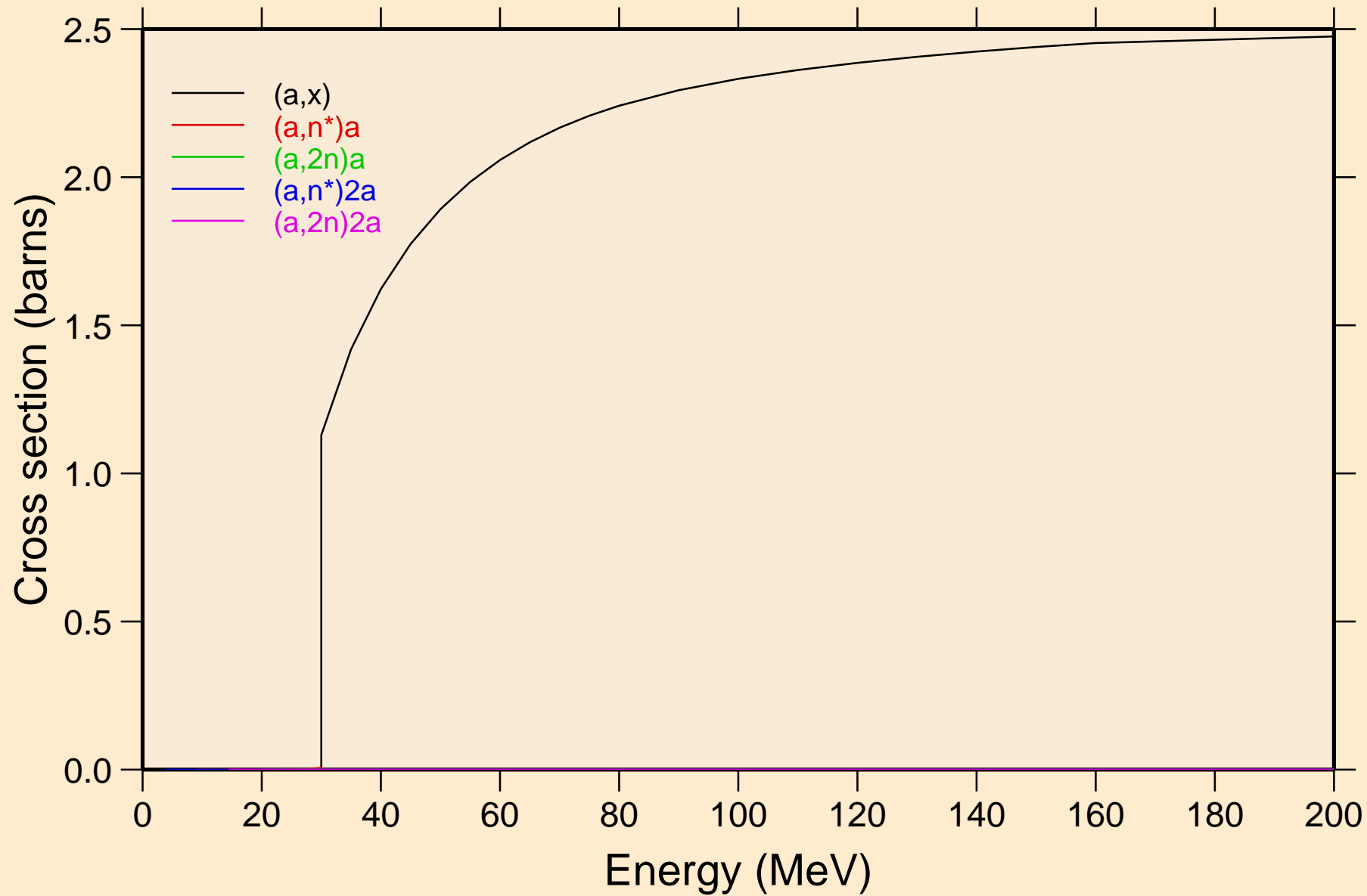


LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

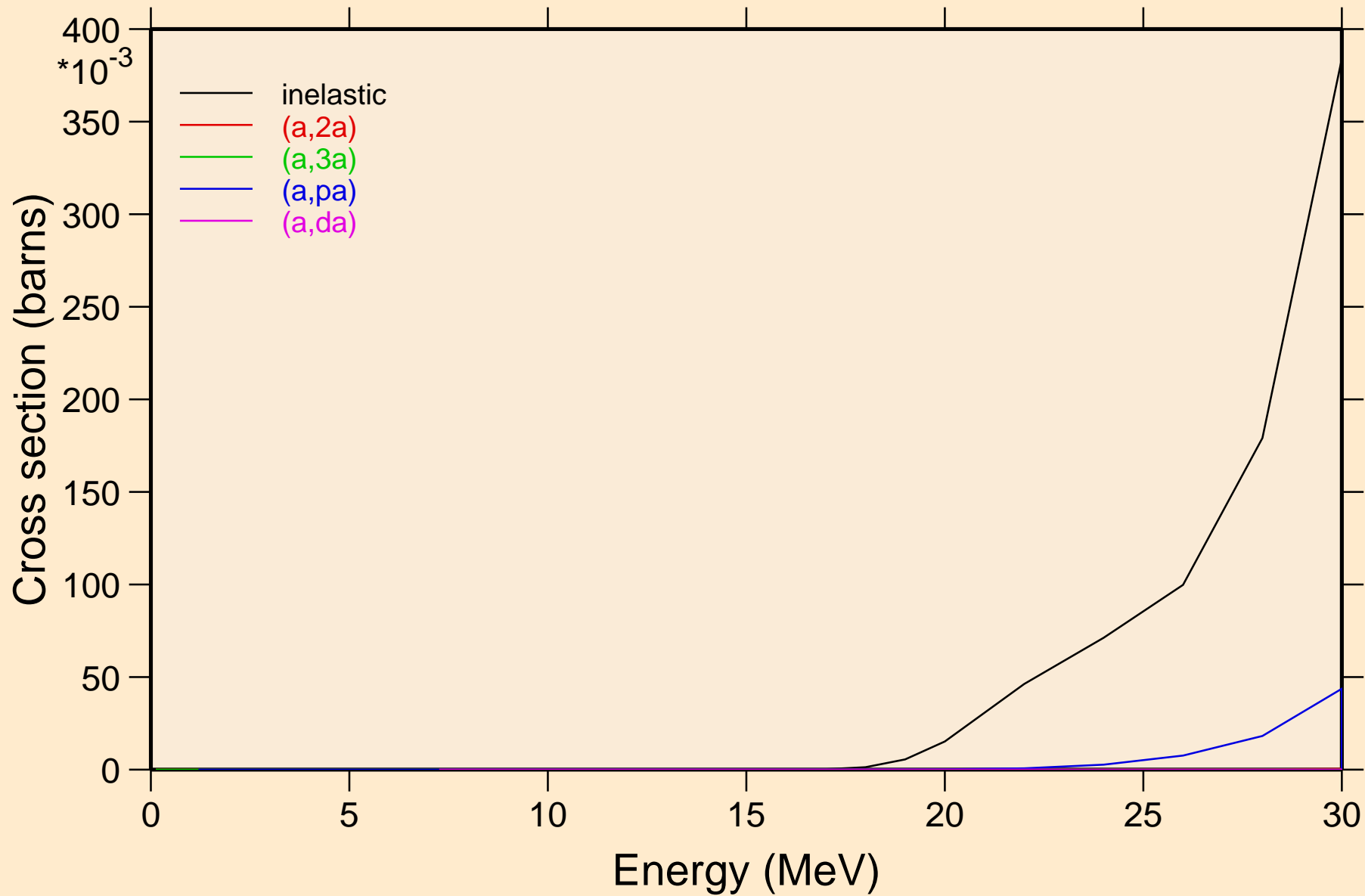
Heating



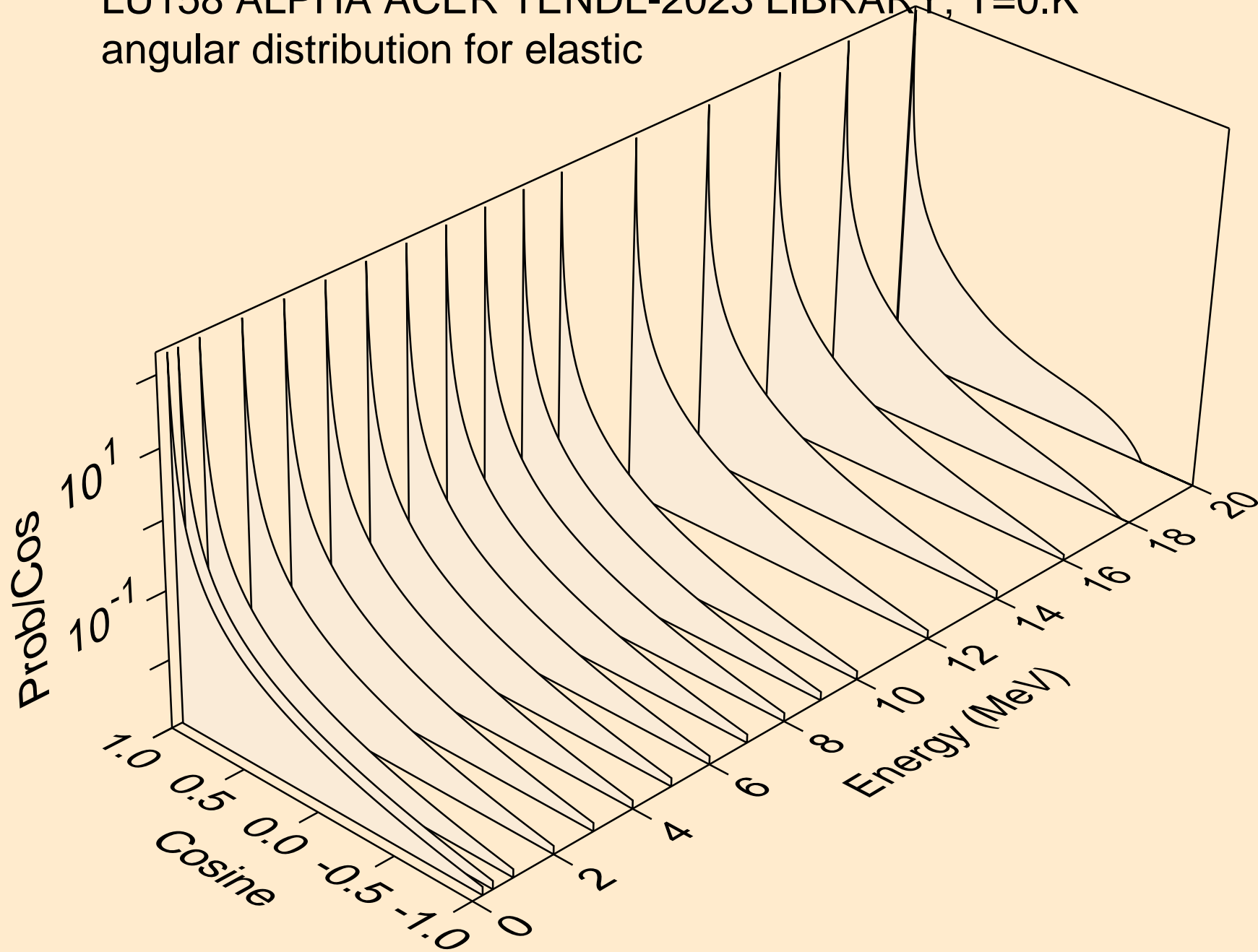
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Threshold reactions



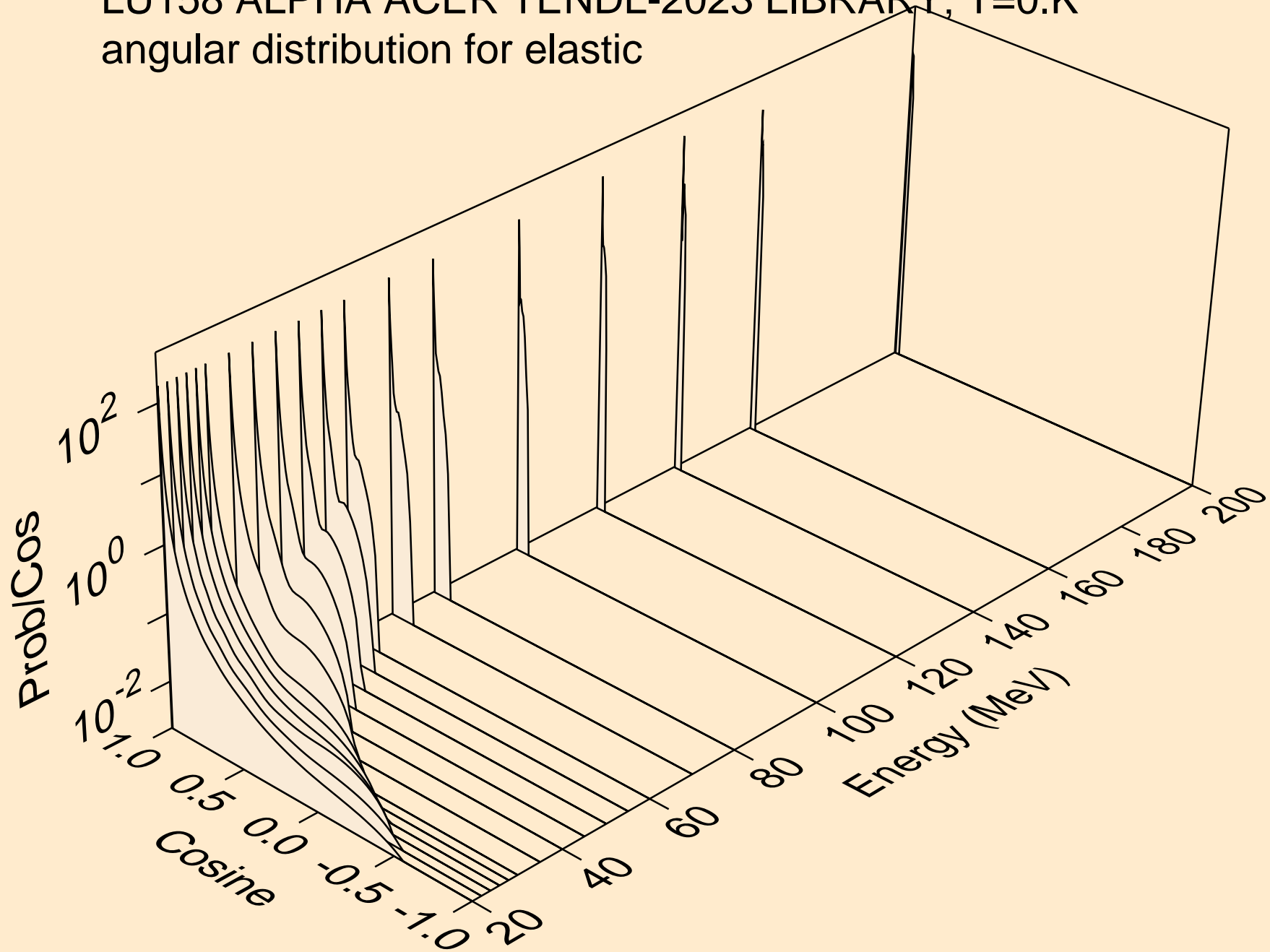
LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

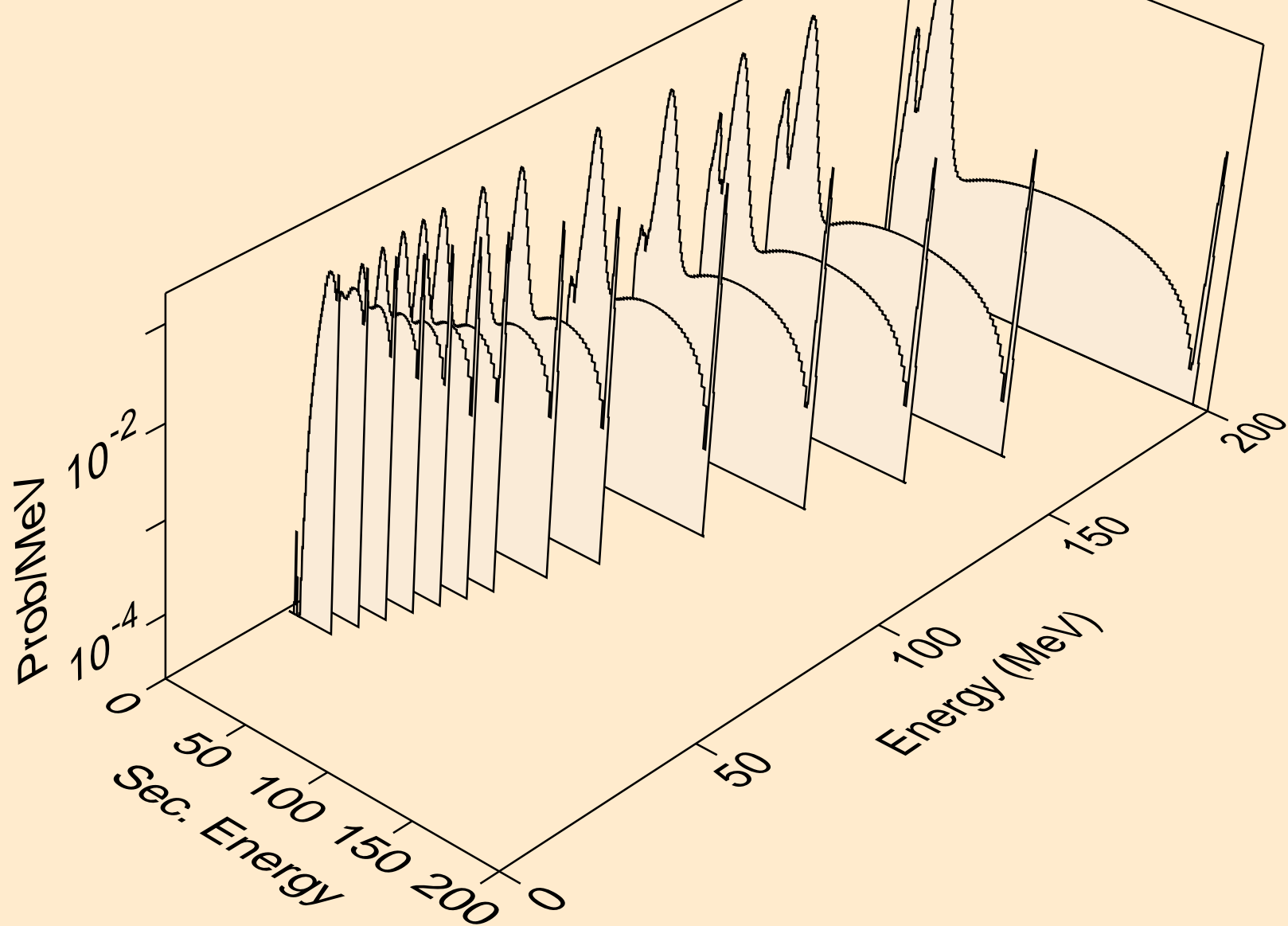


LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

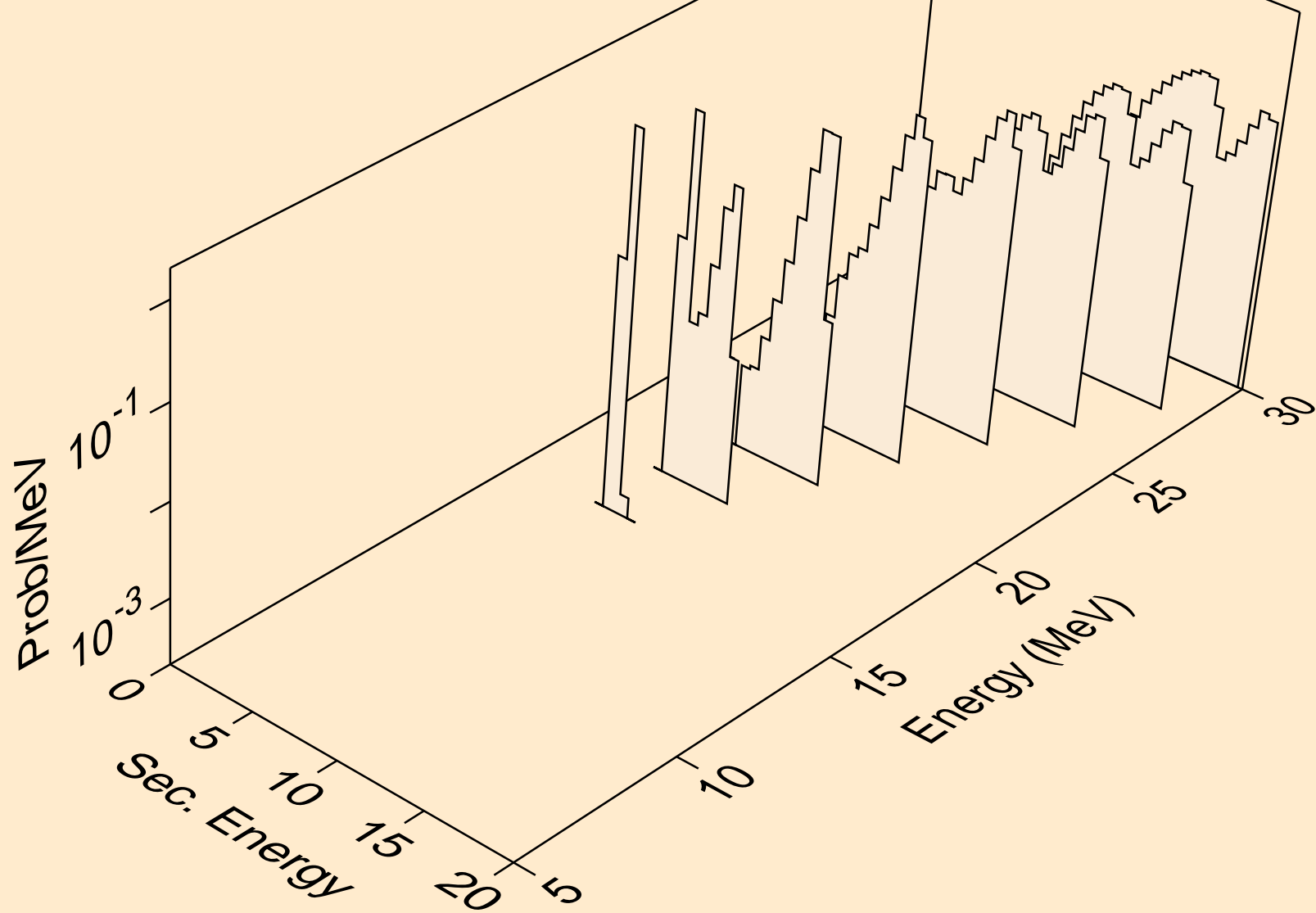




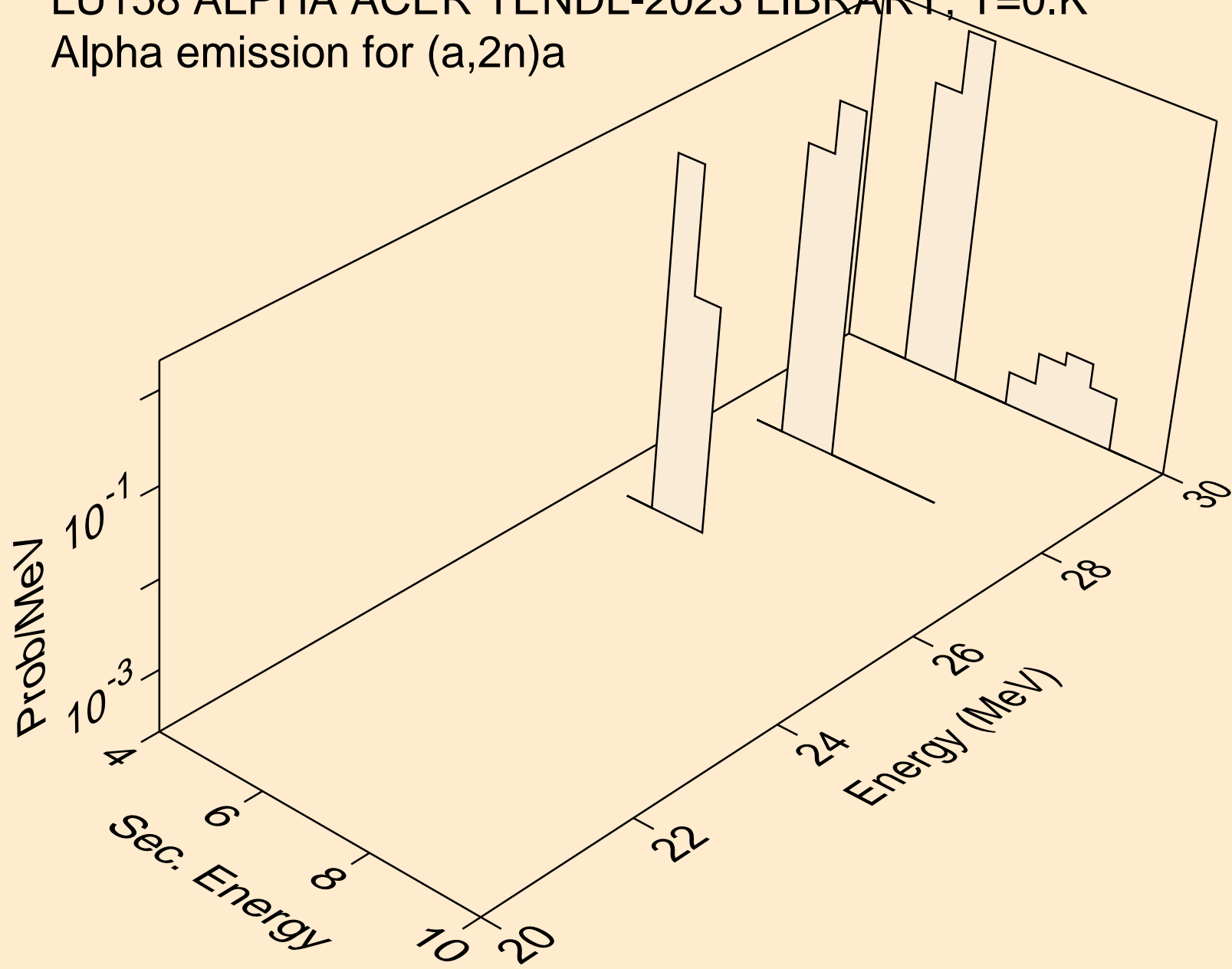
LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,x)



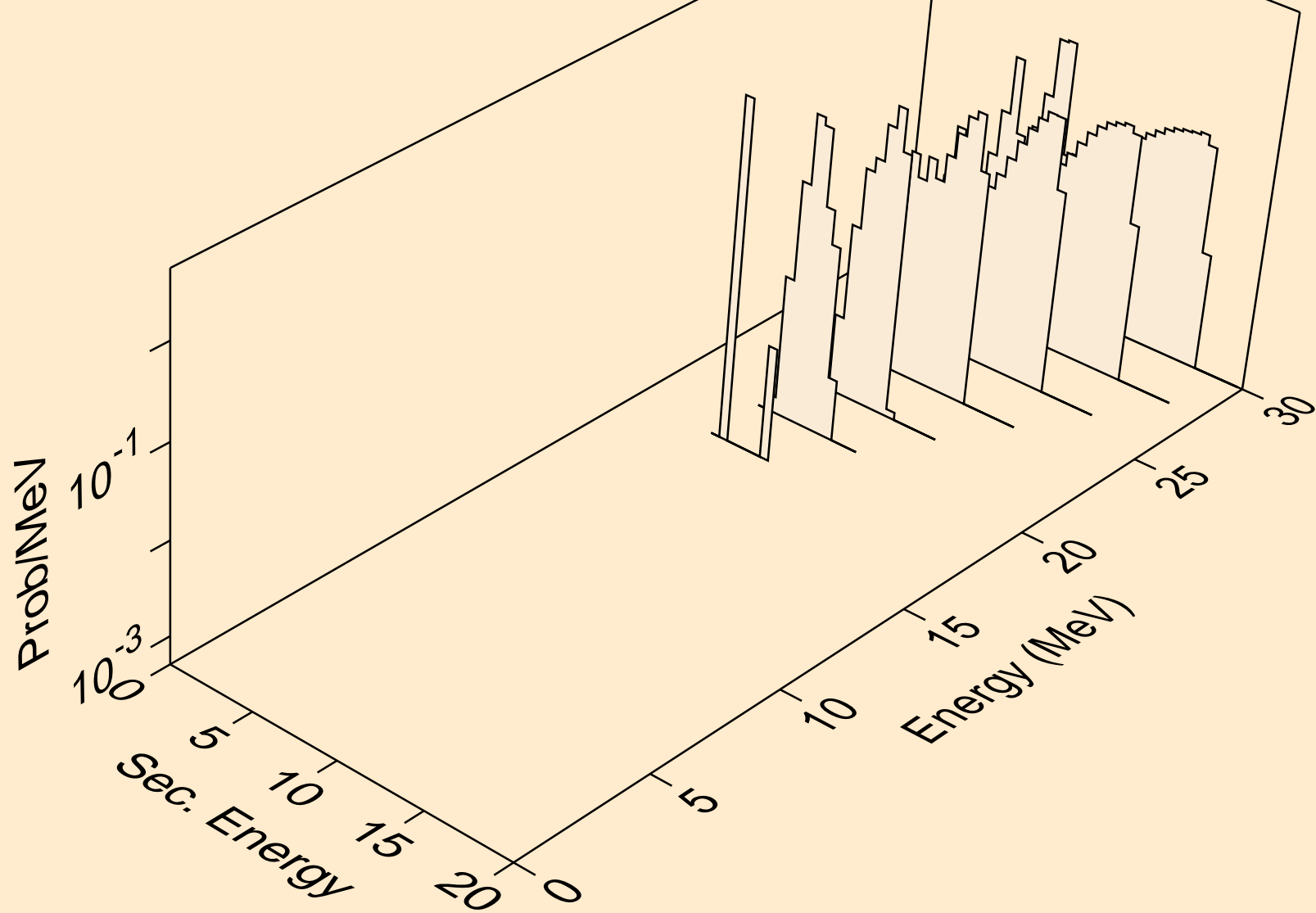
LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a



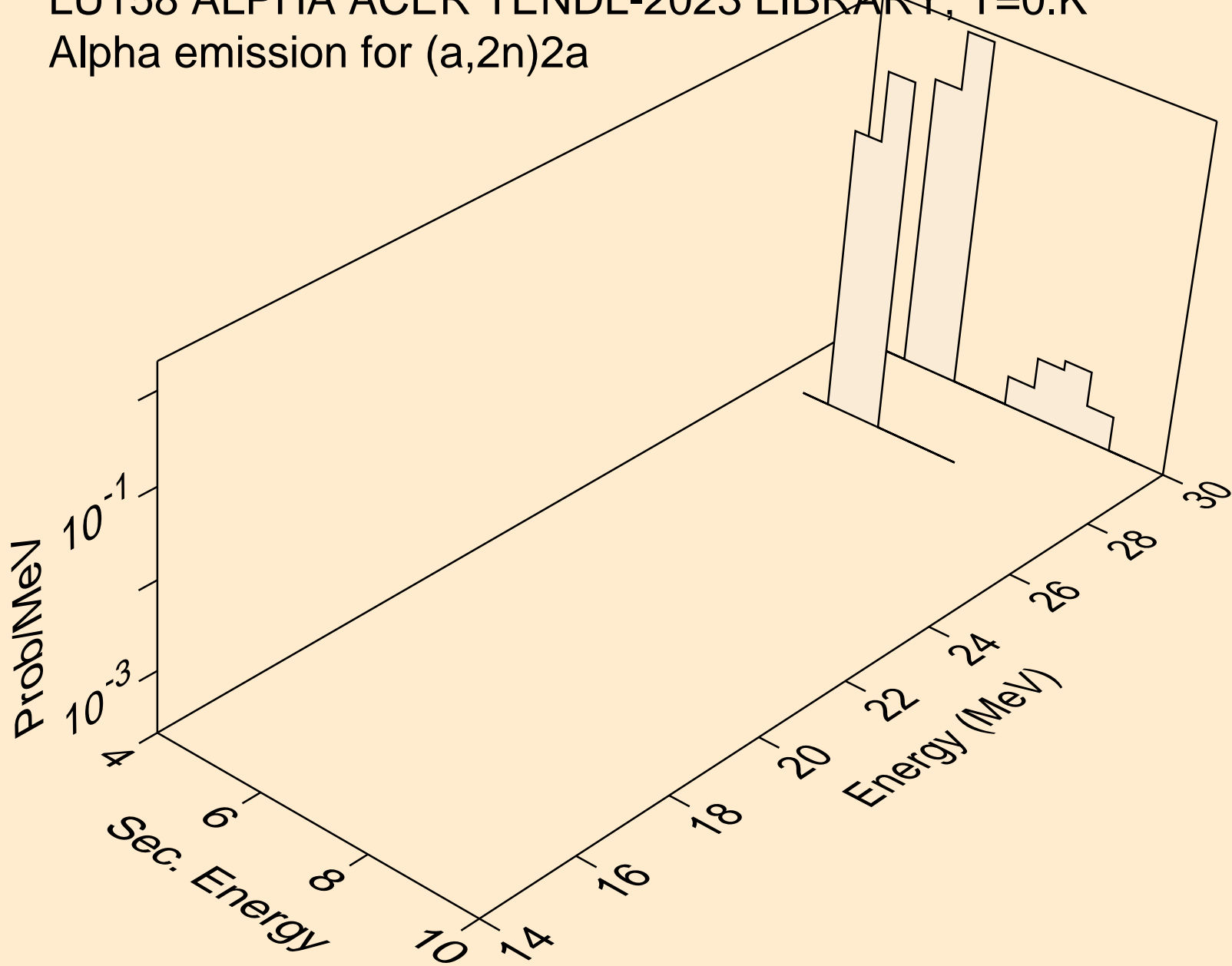
LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2n)a



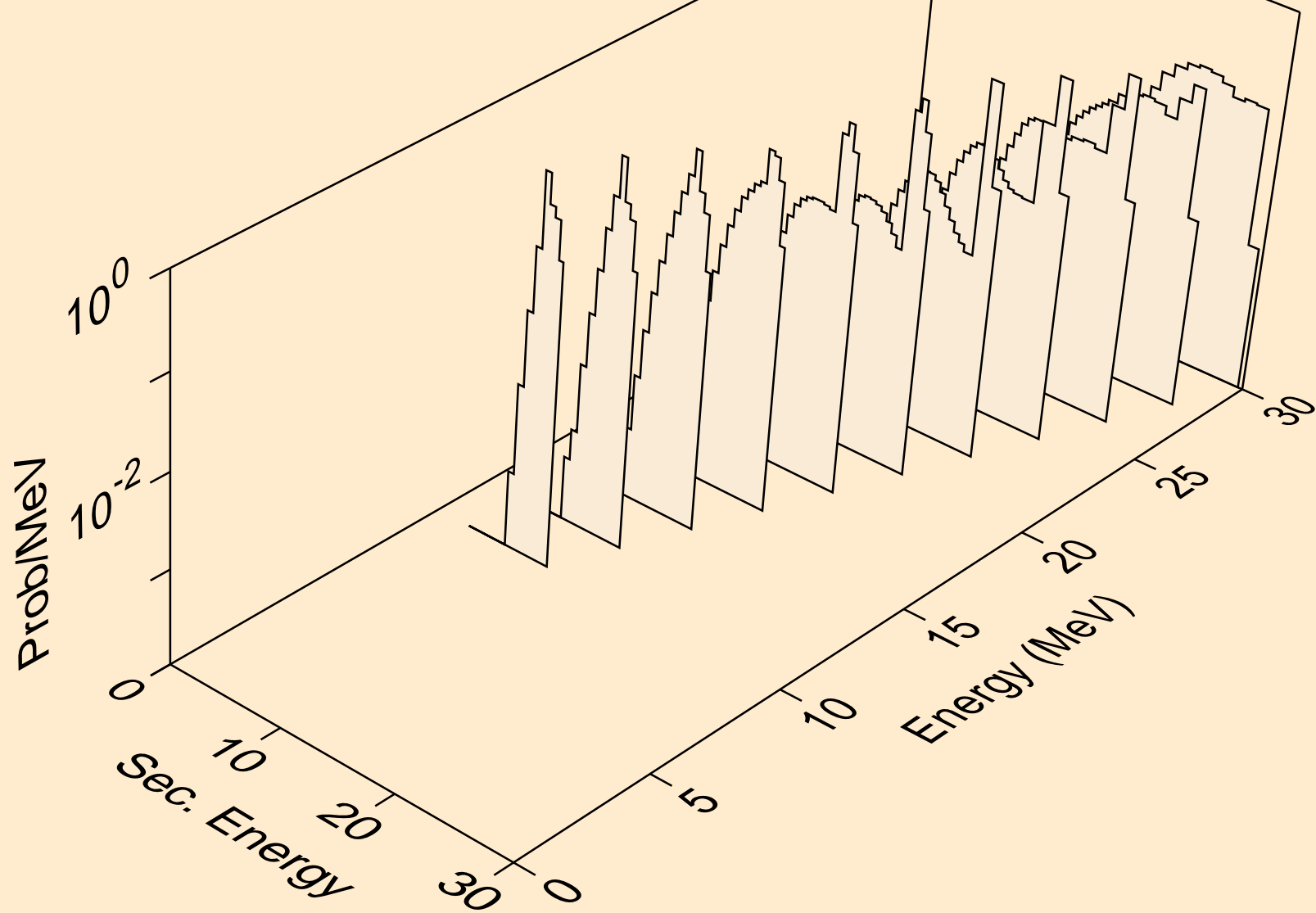
LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,n\*)2a



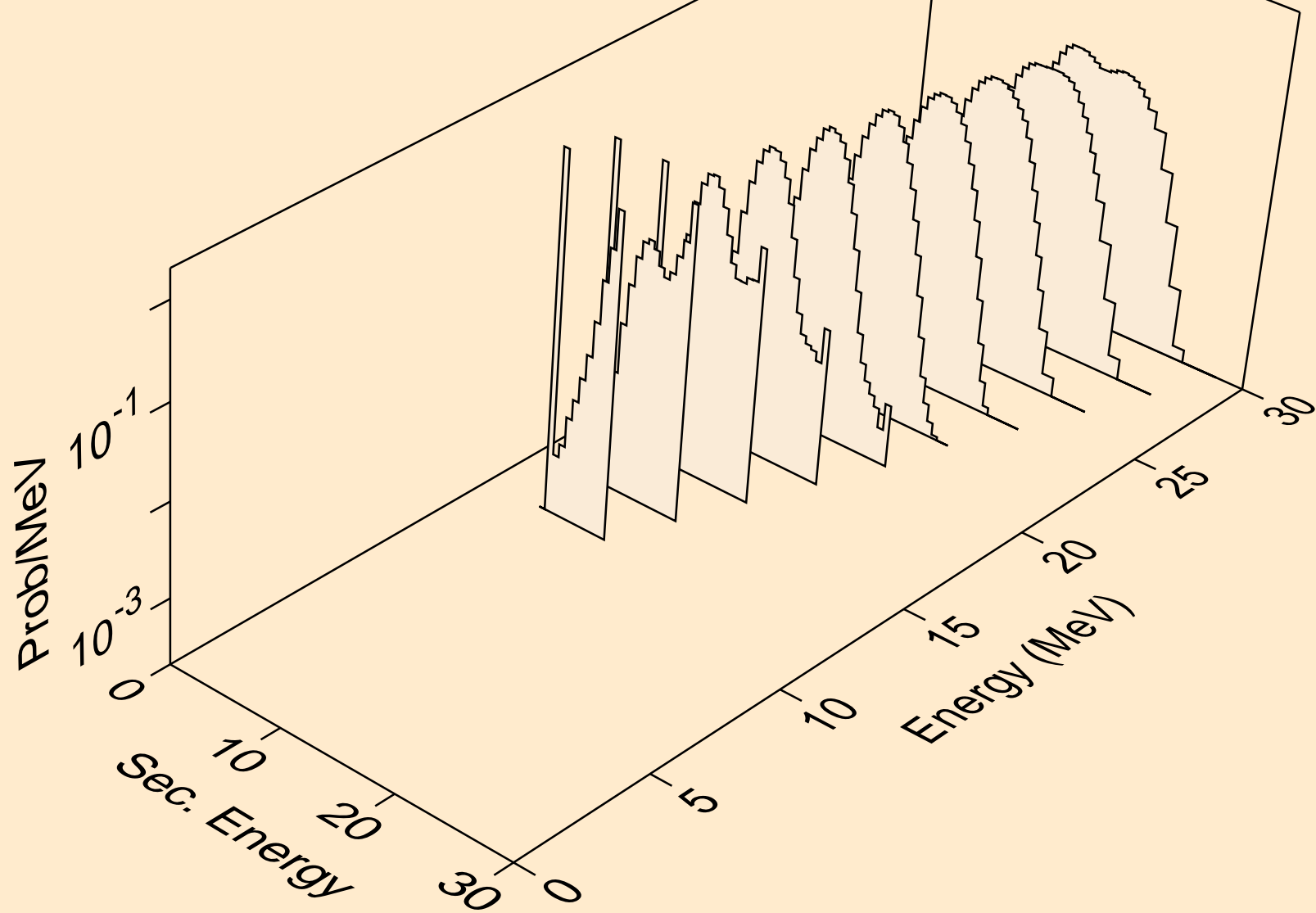
LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2n)2a



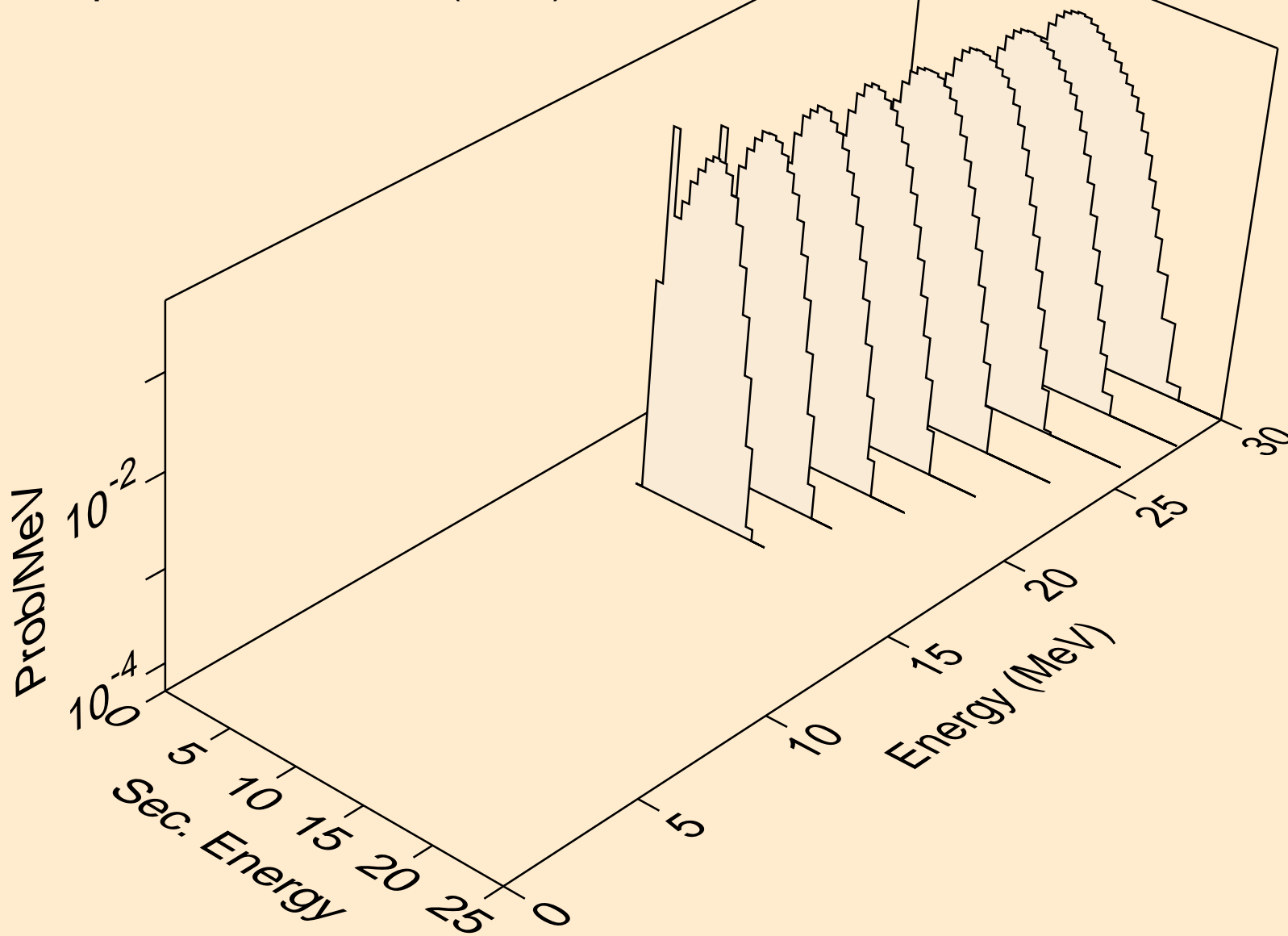
LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for inelastic



LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2a)

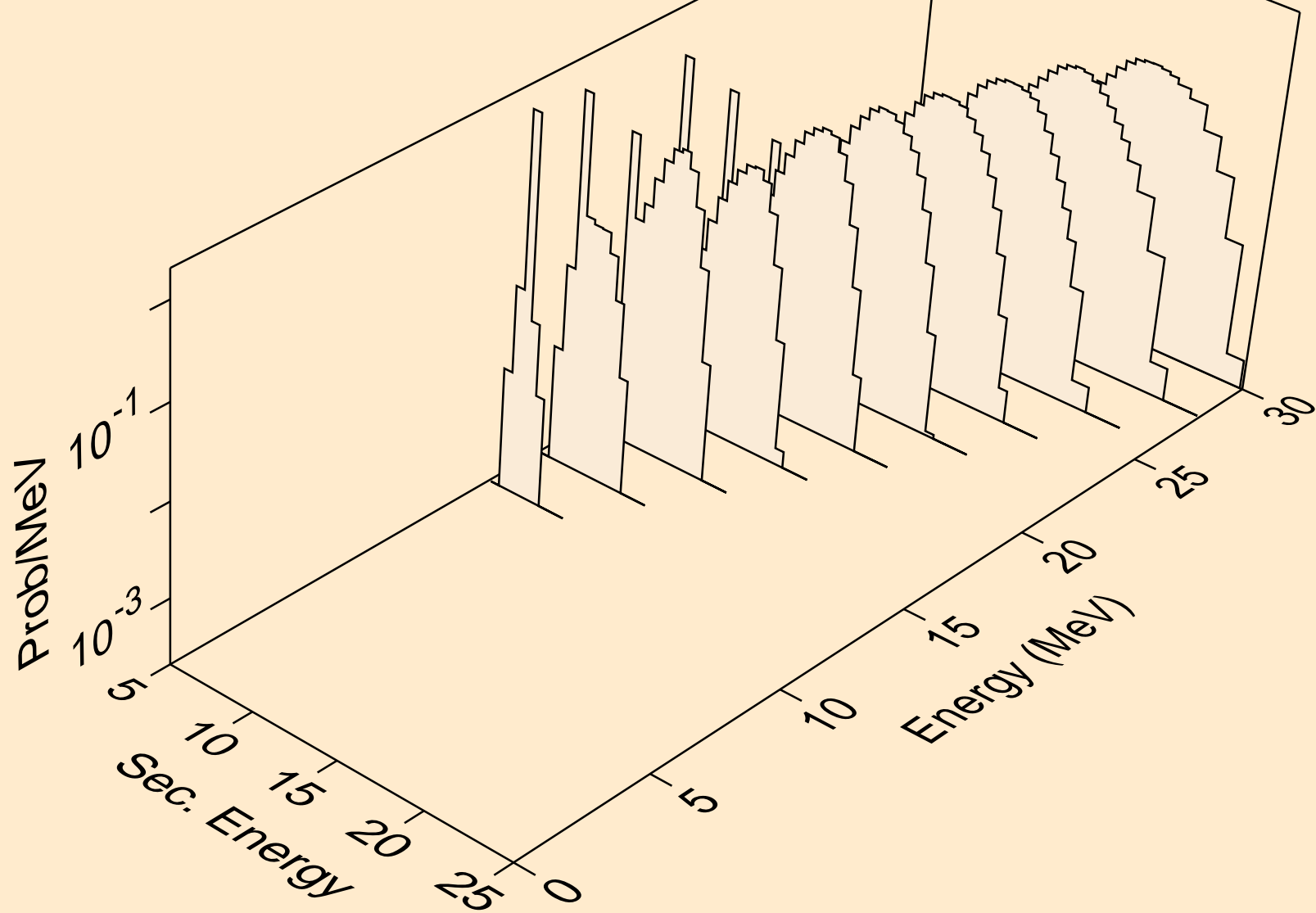


LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,3a)

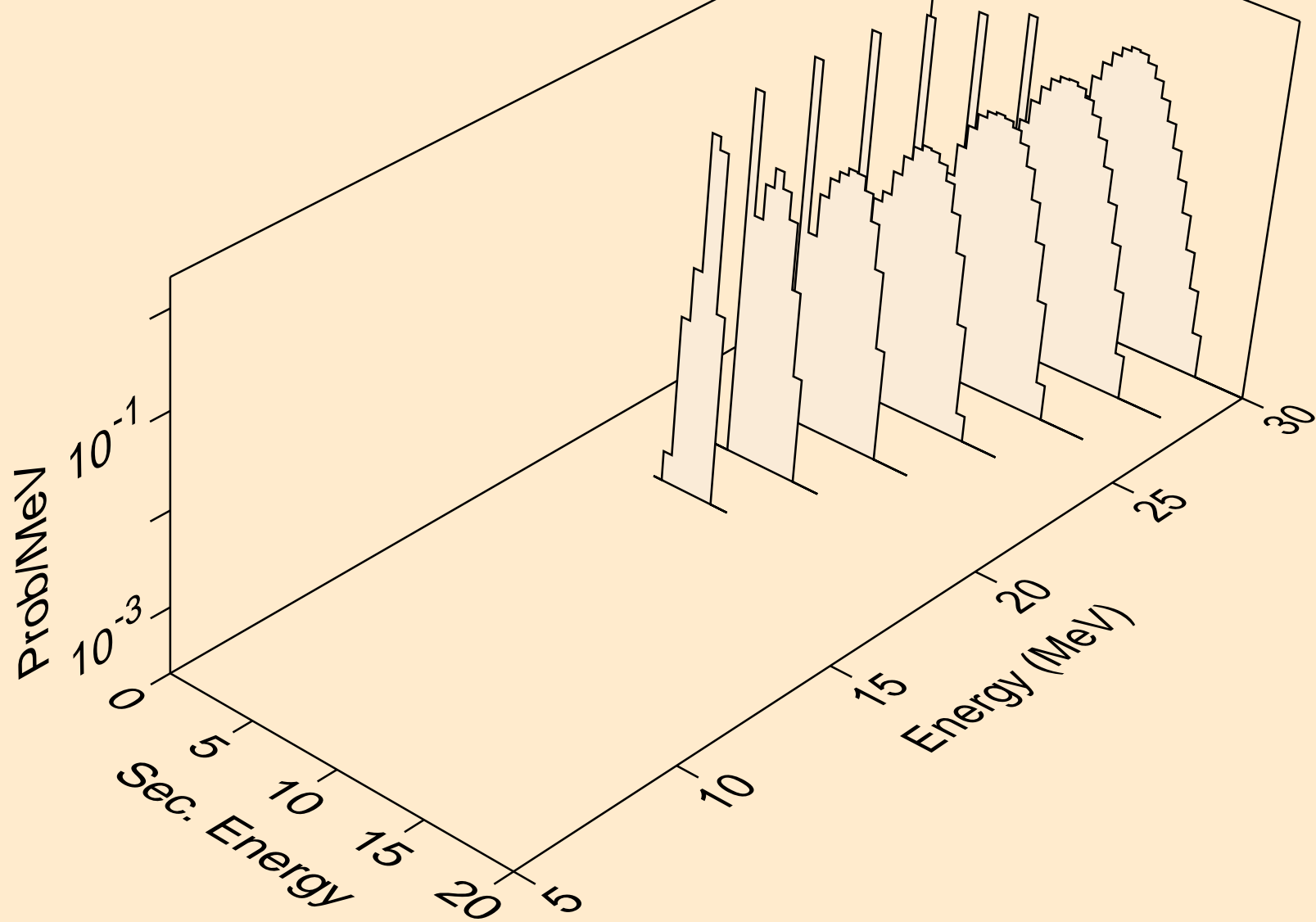




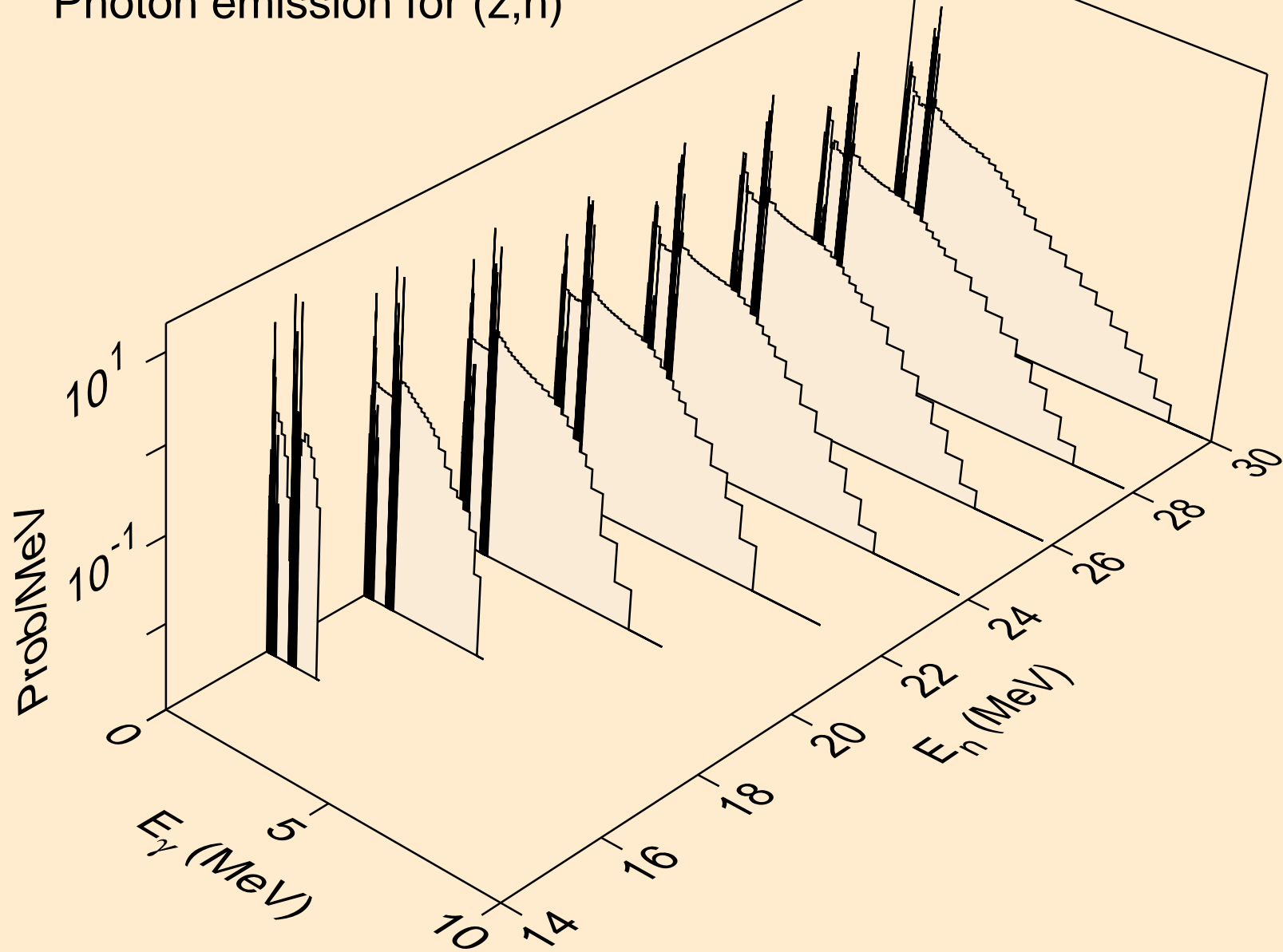
LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,pa)



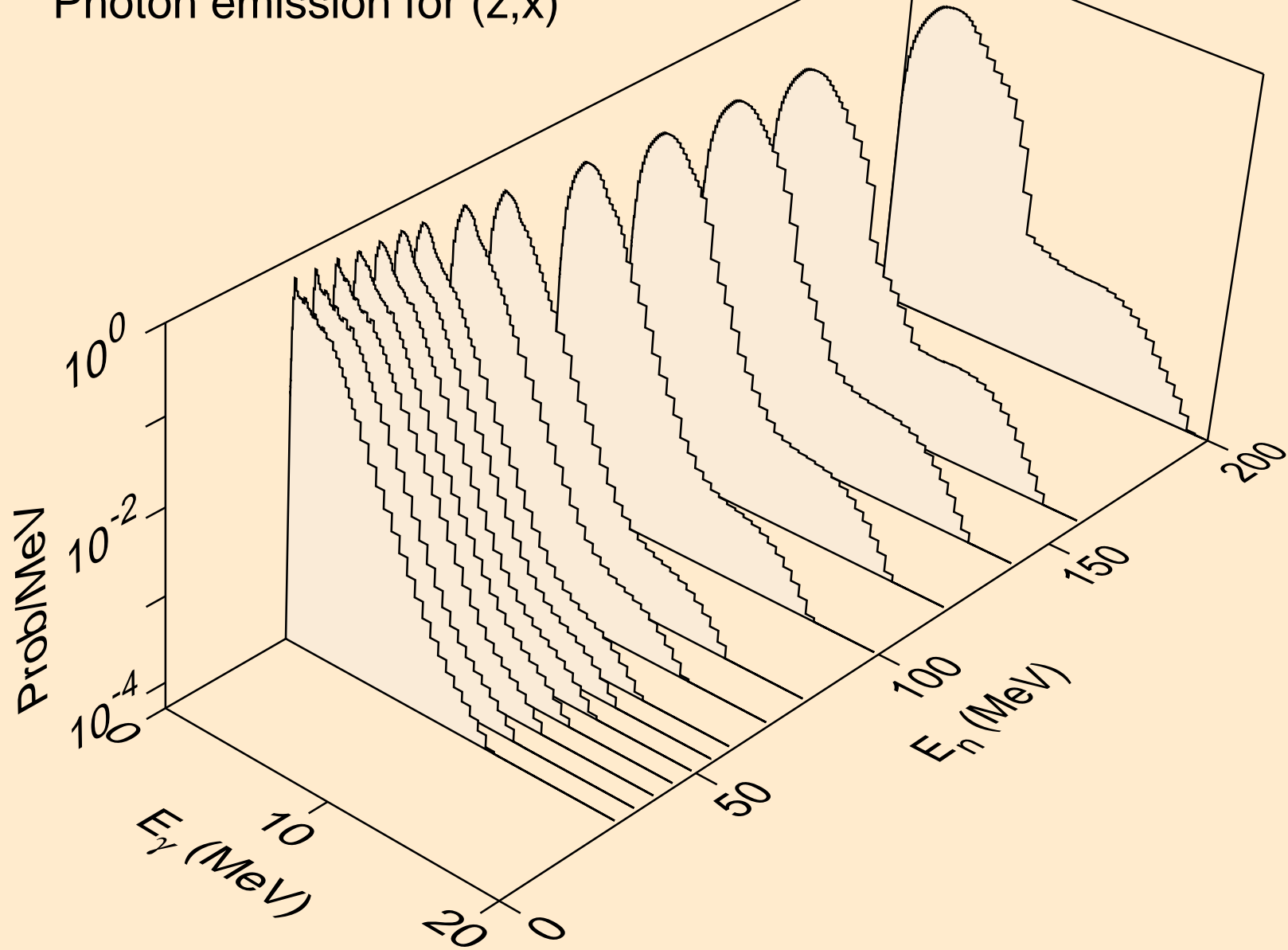
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Alpha emission for (a,da)



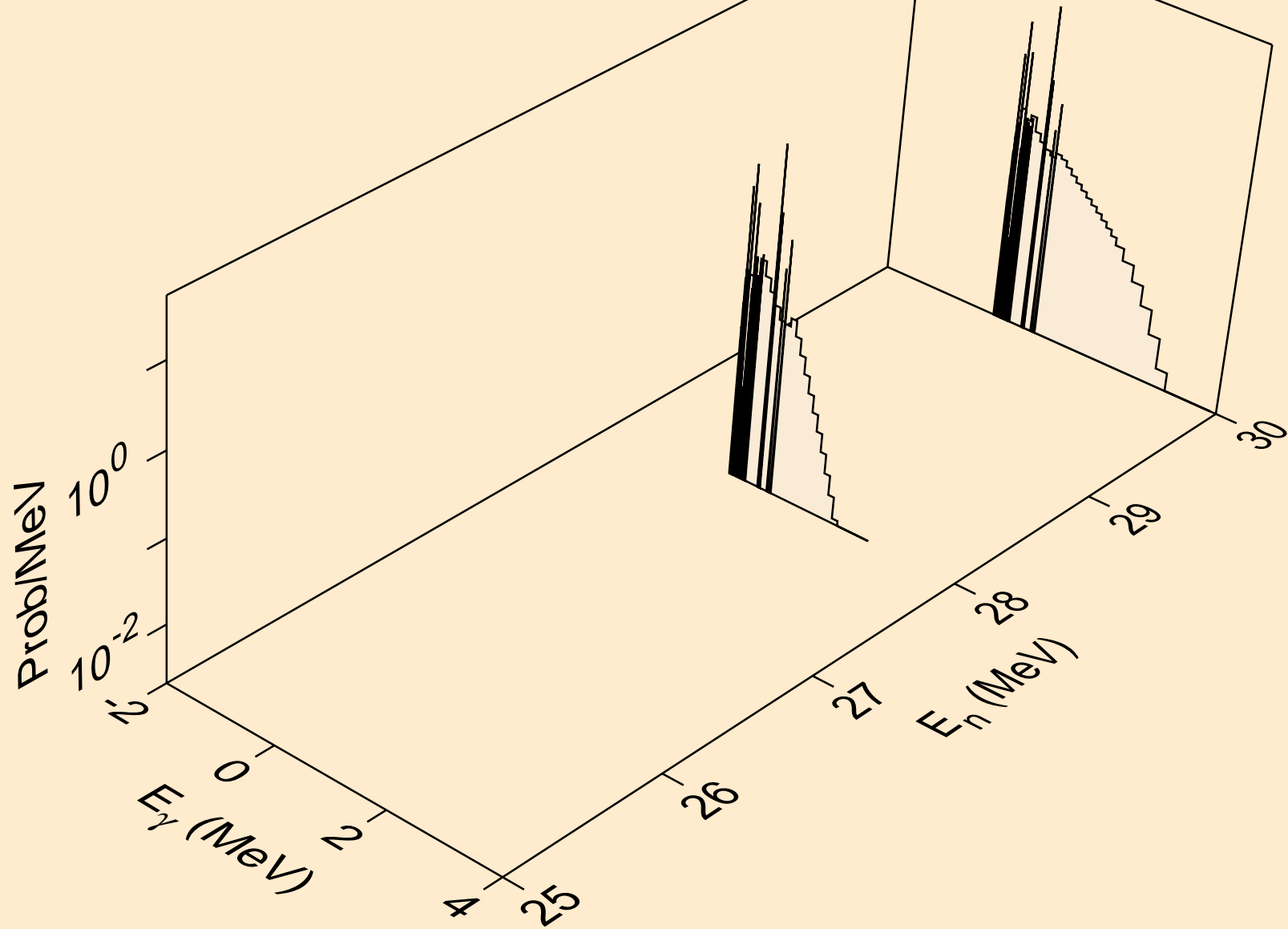
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Photon emission for (z,n)



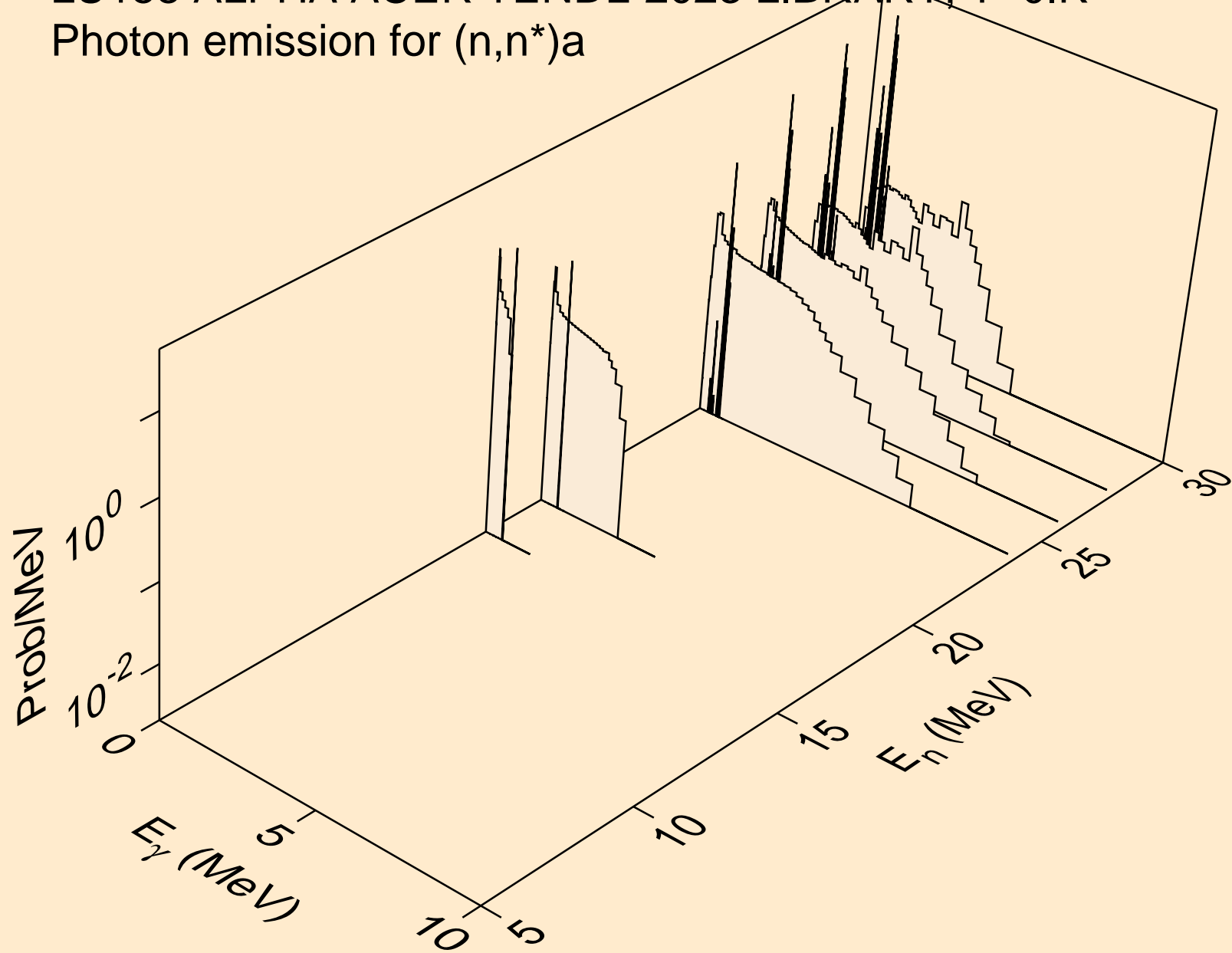
LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



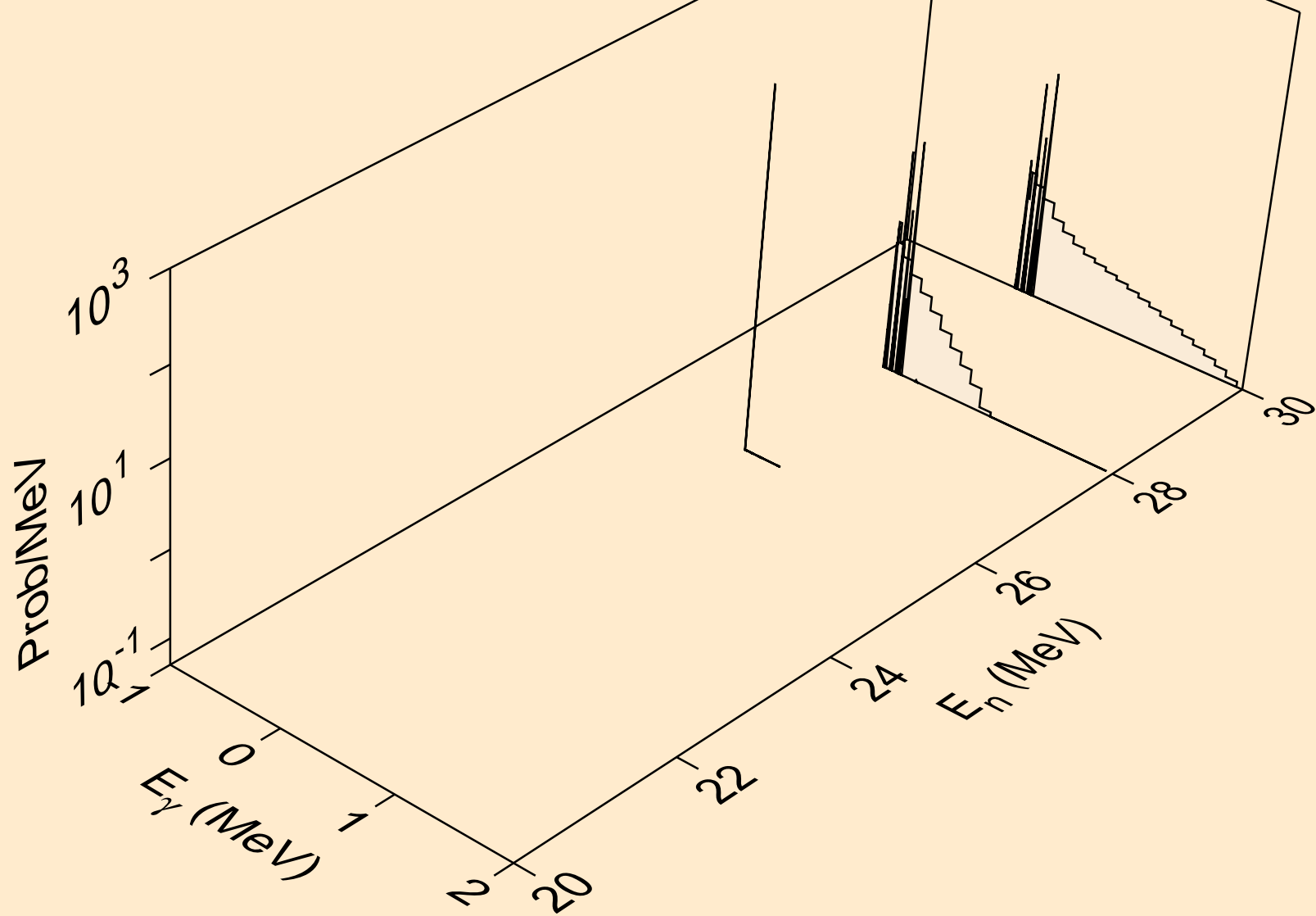
LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



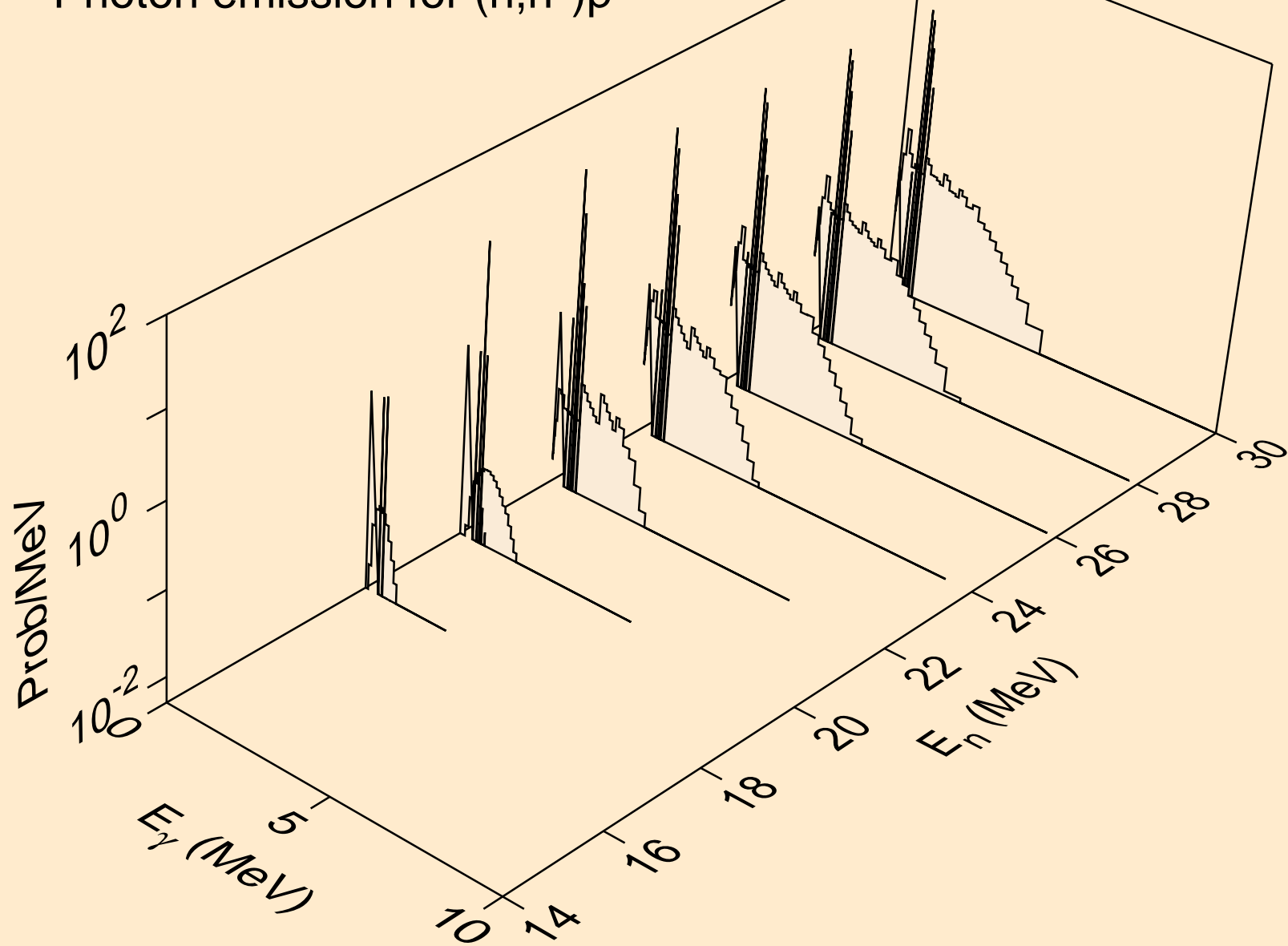
LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

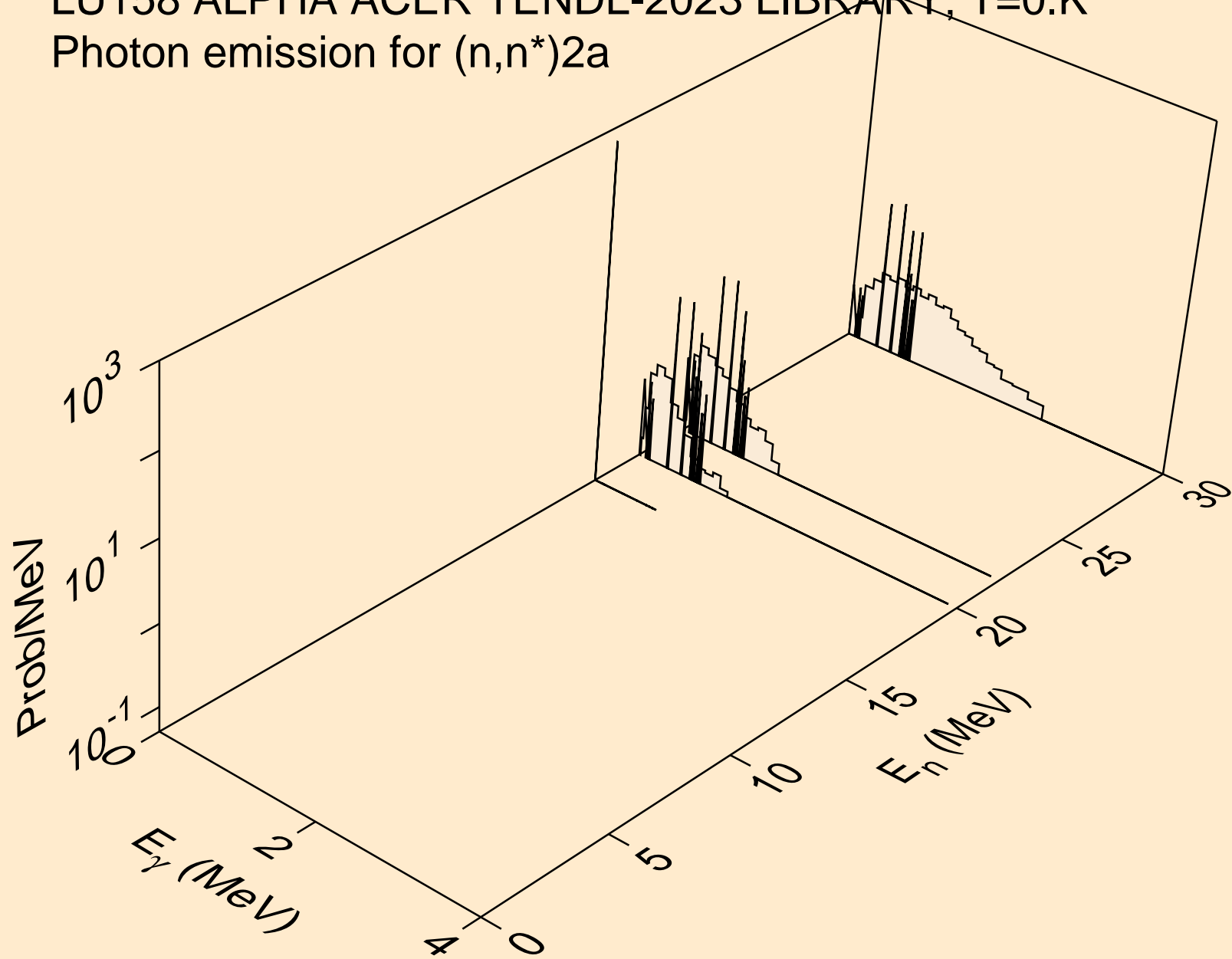


LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

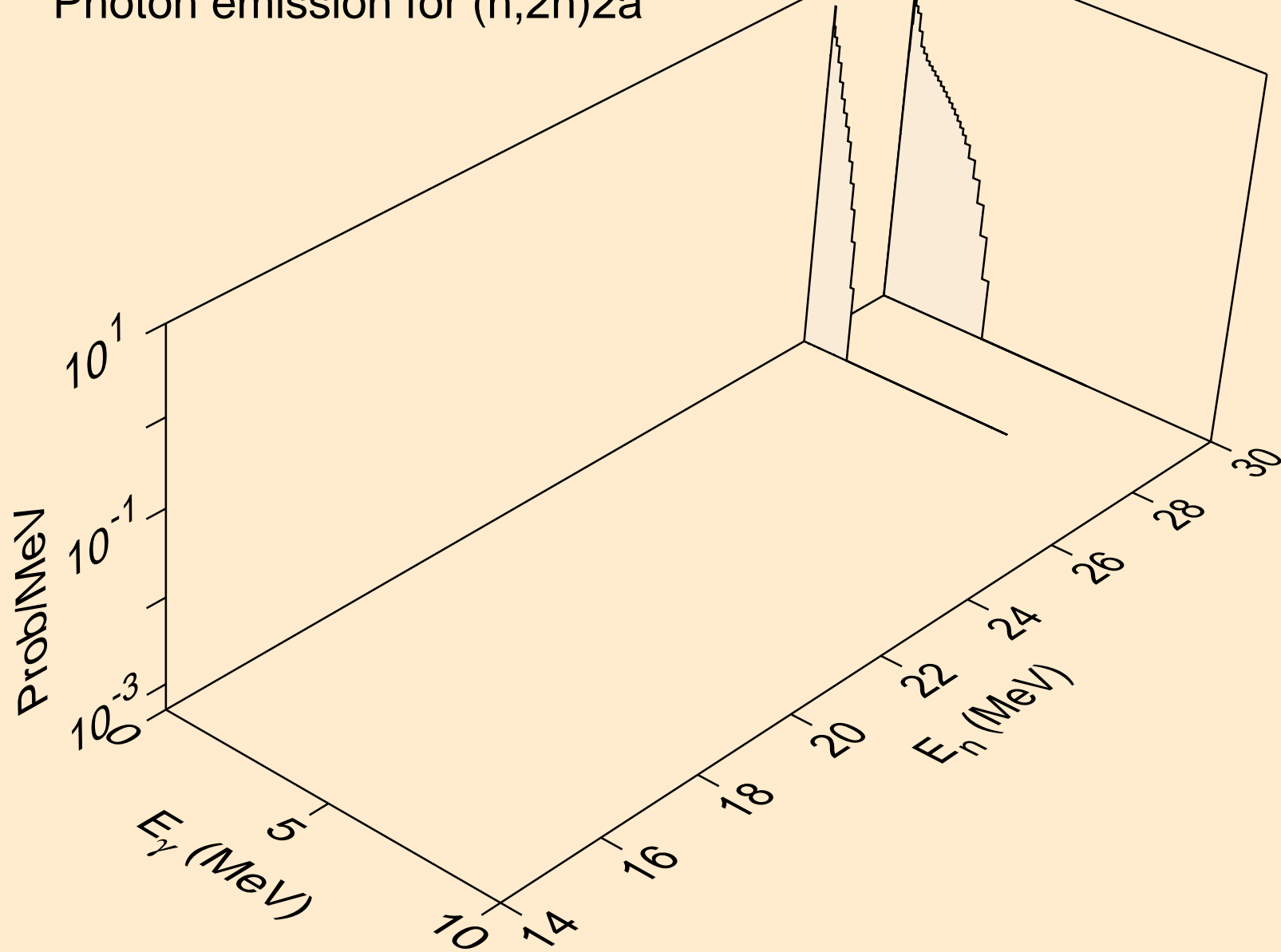




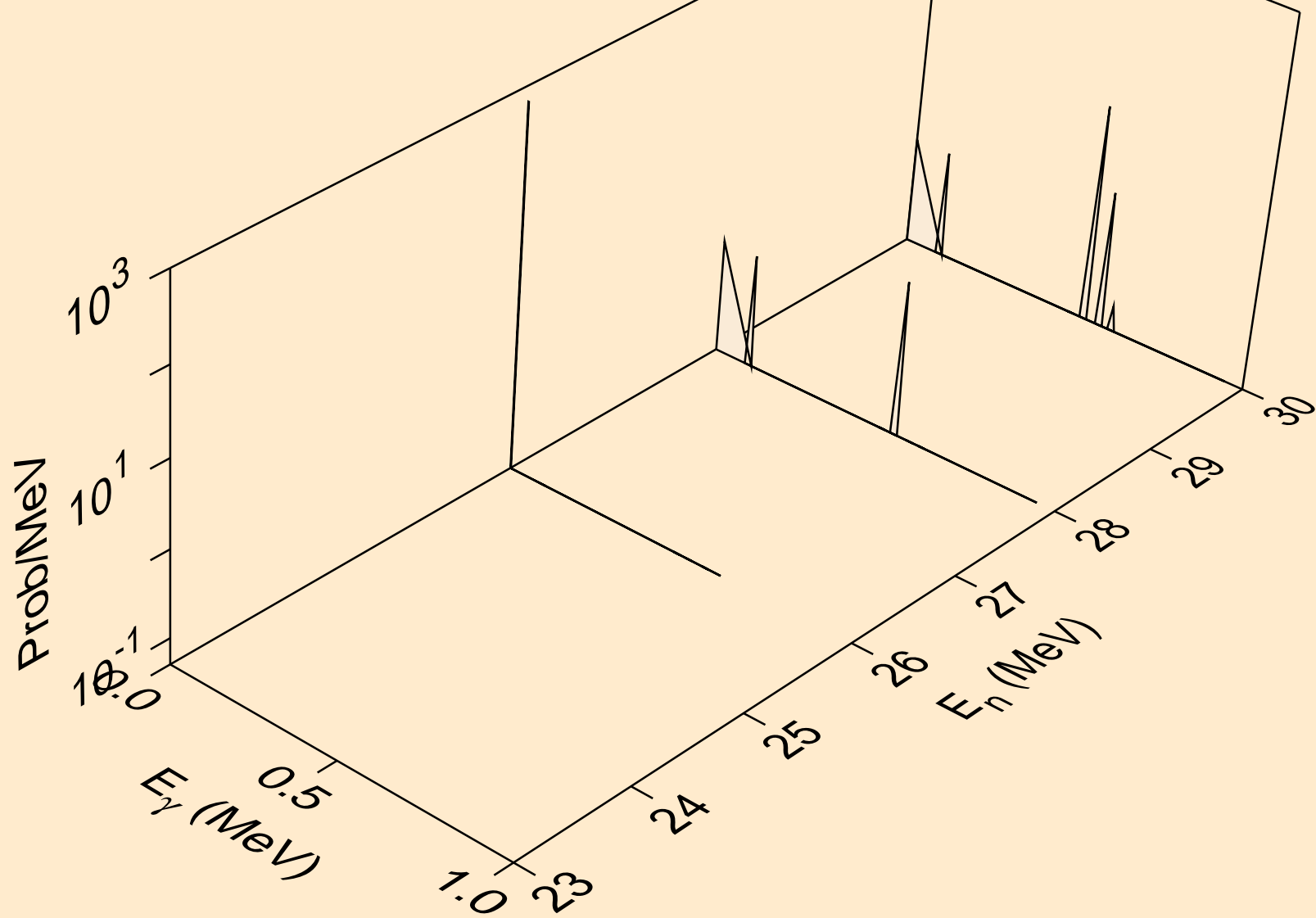
LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



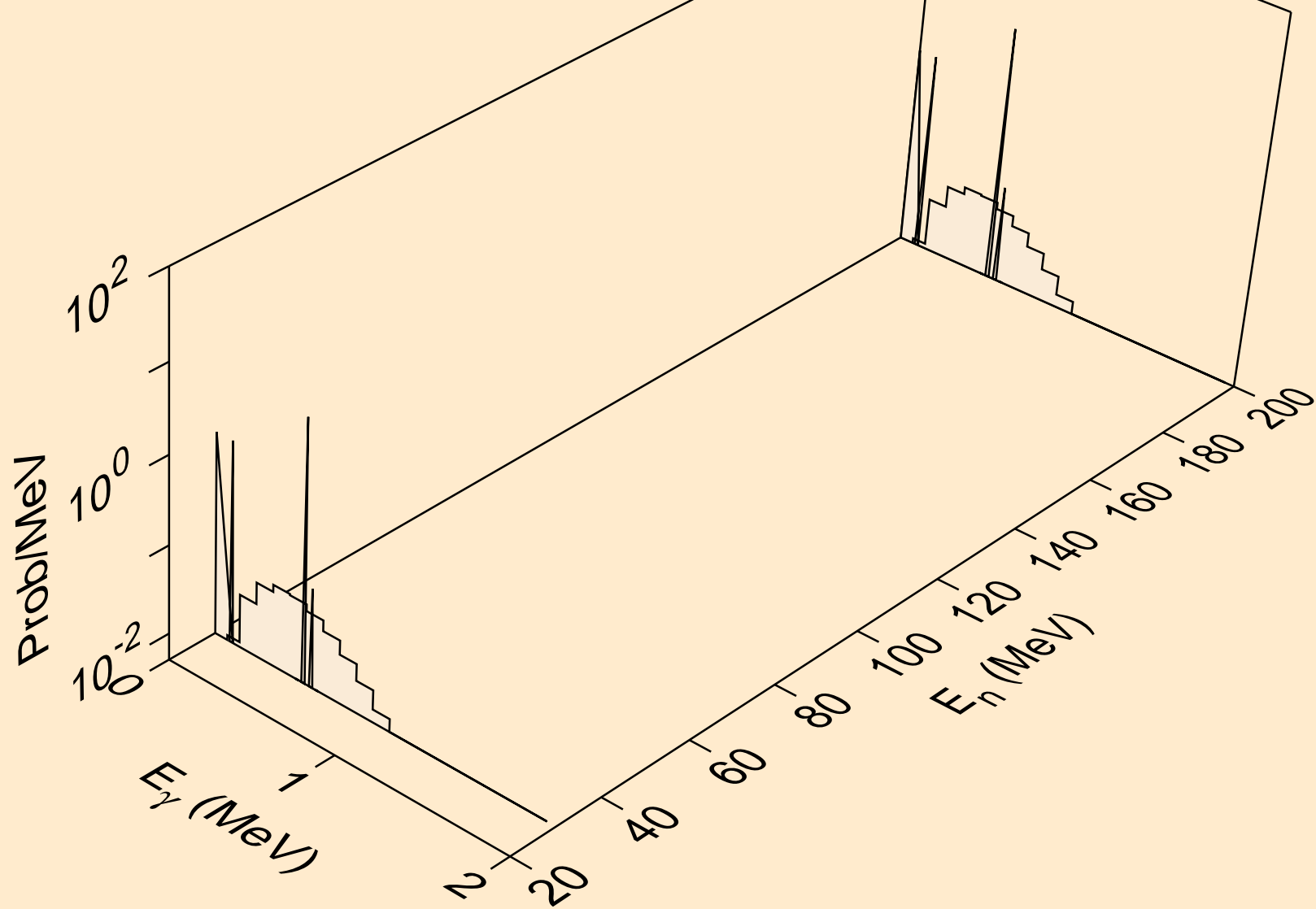
LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



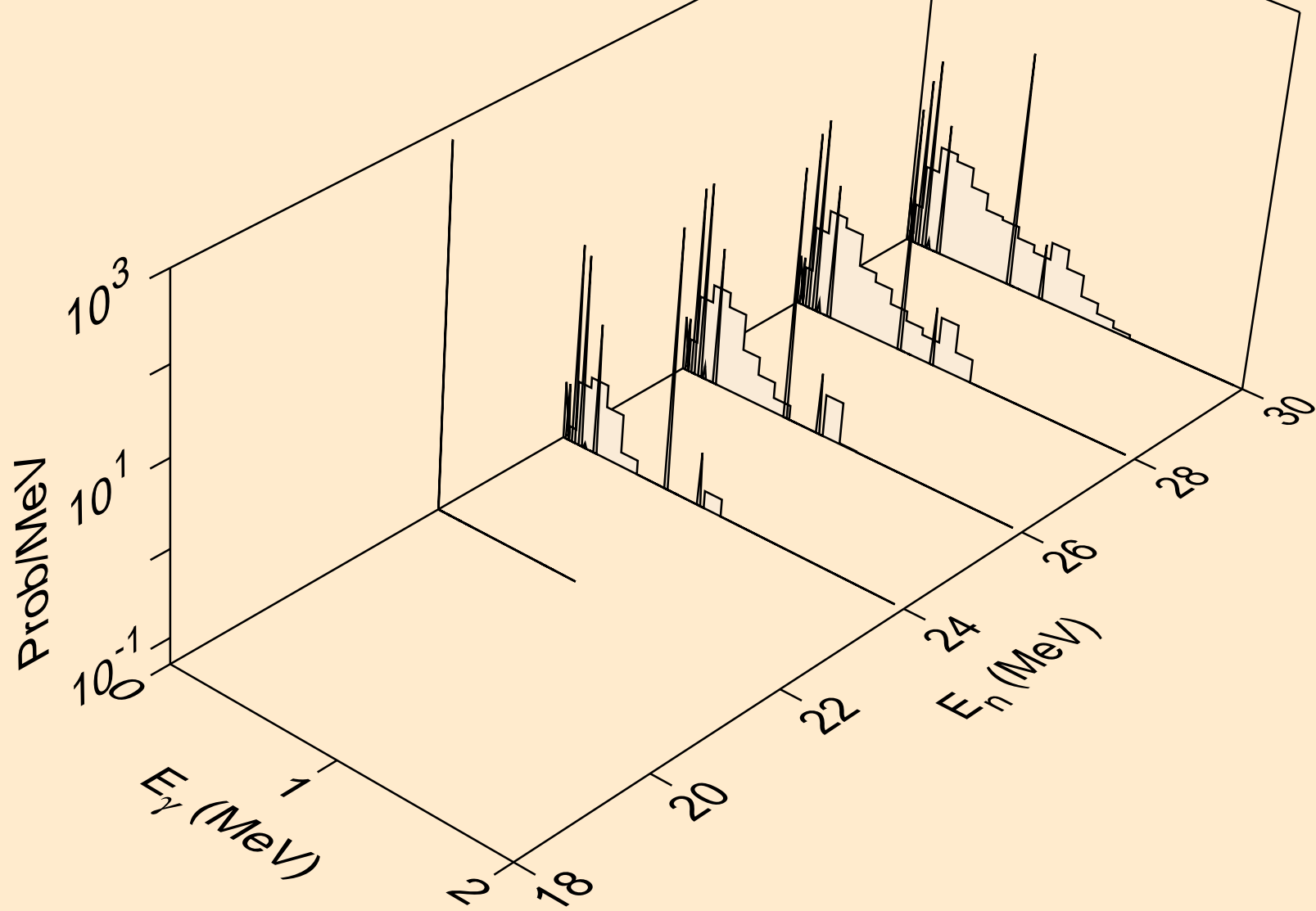
LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



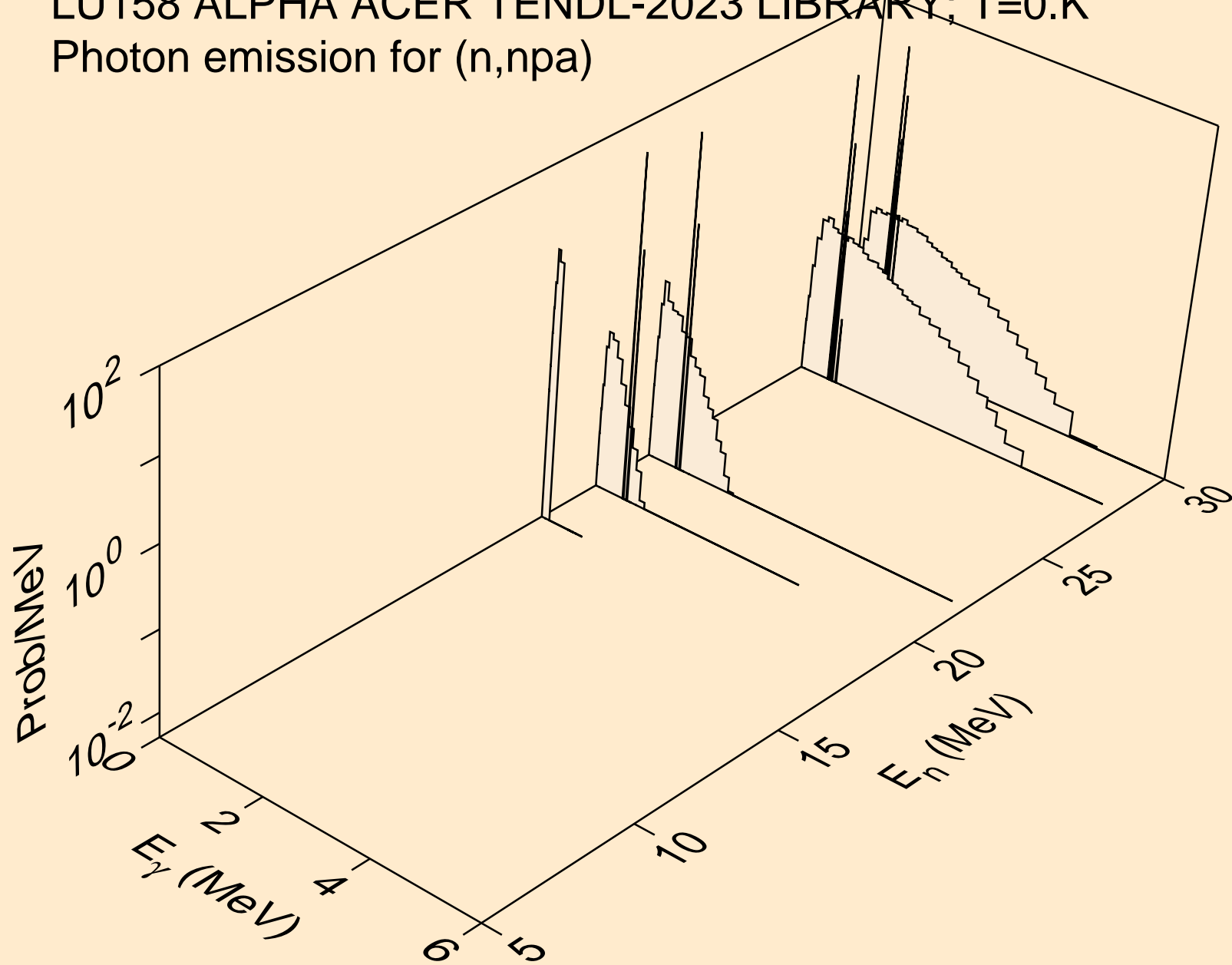
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Photon emission for (n,2np)



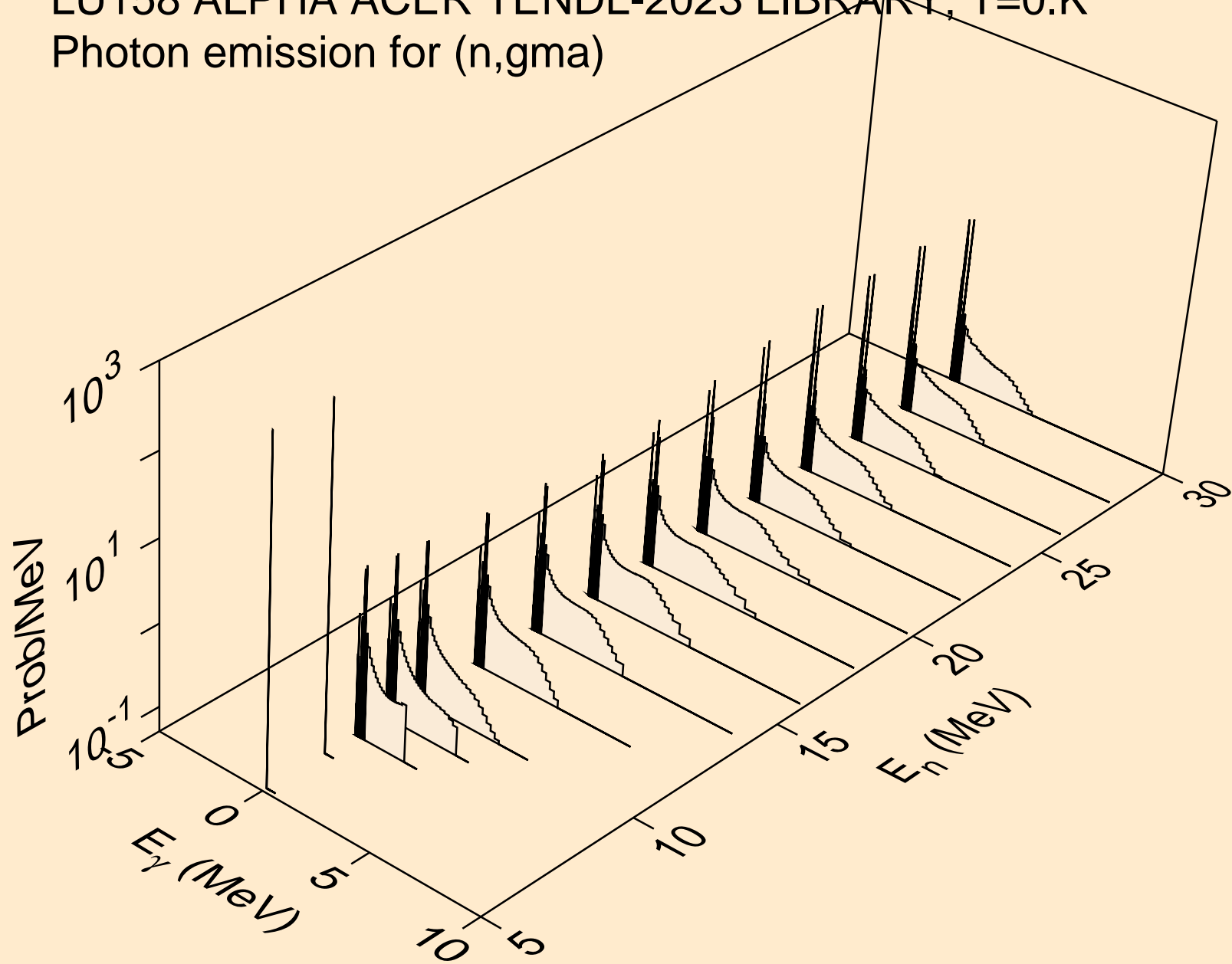
LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



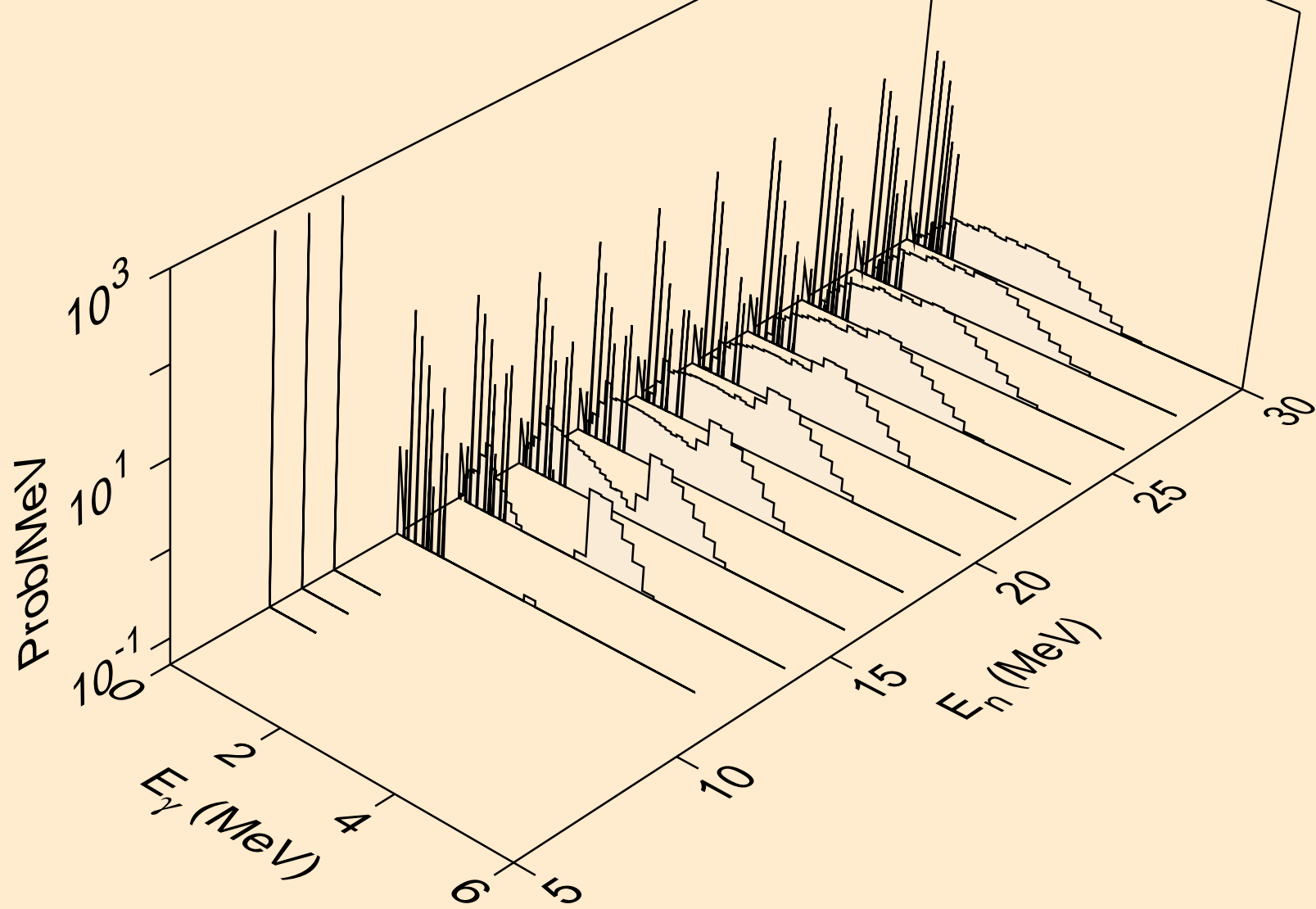
LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)

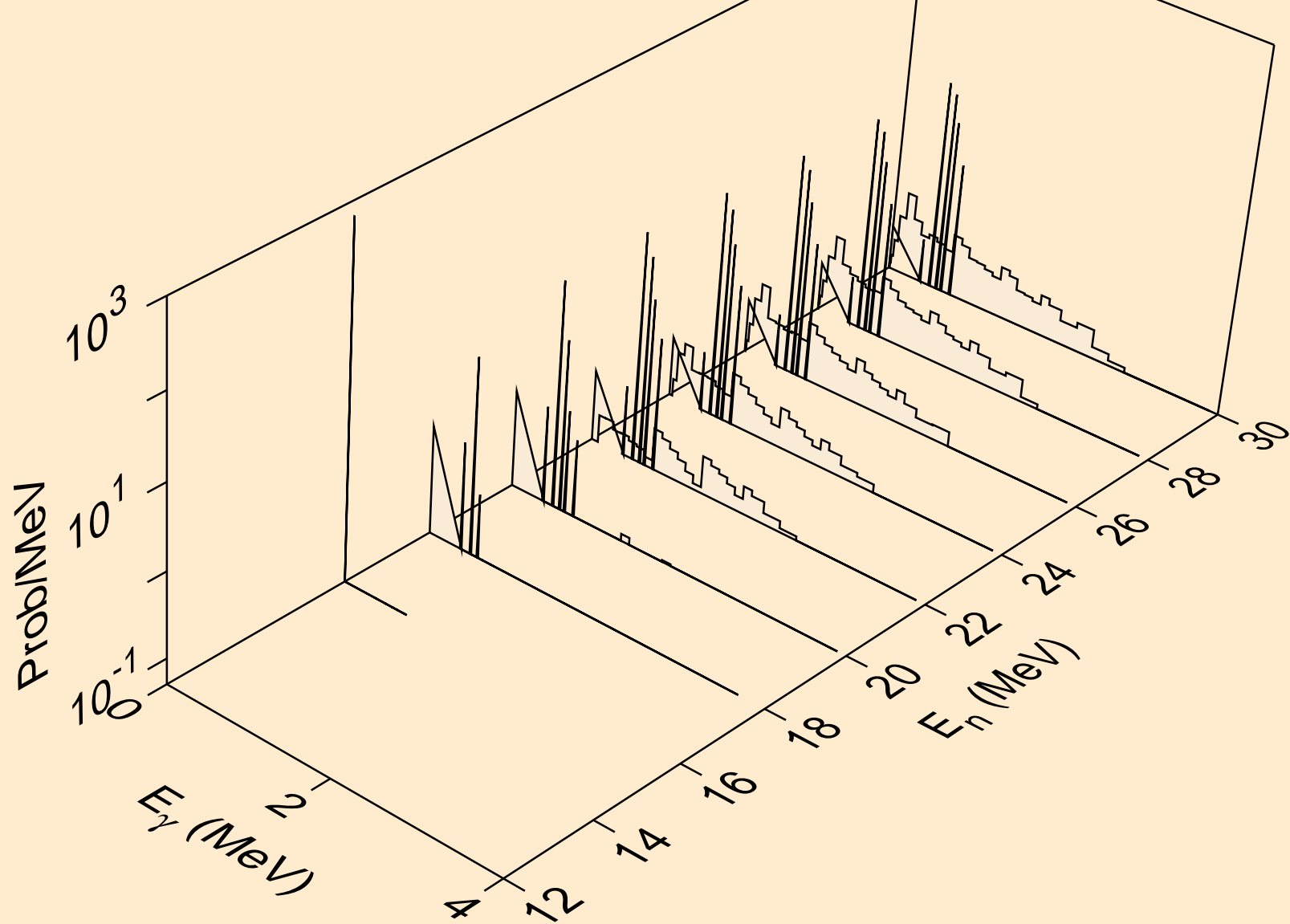


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Photon emission for (n,p)

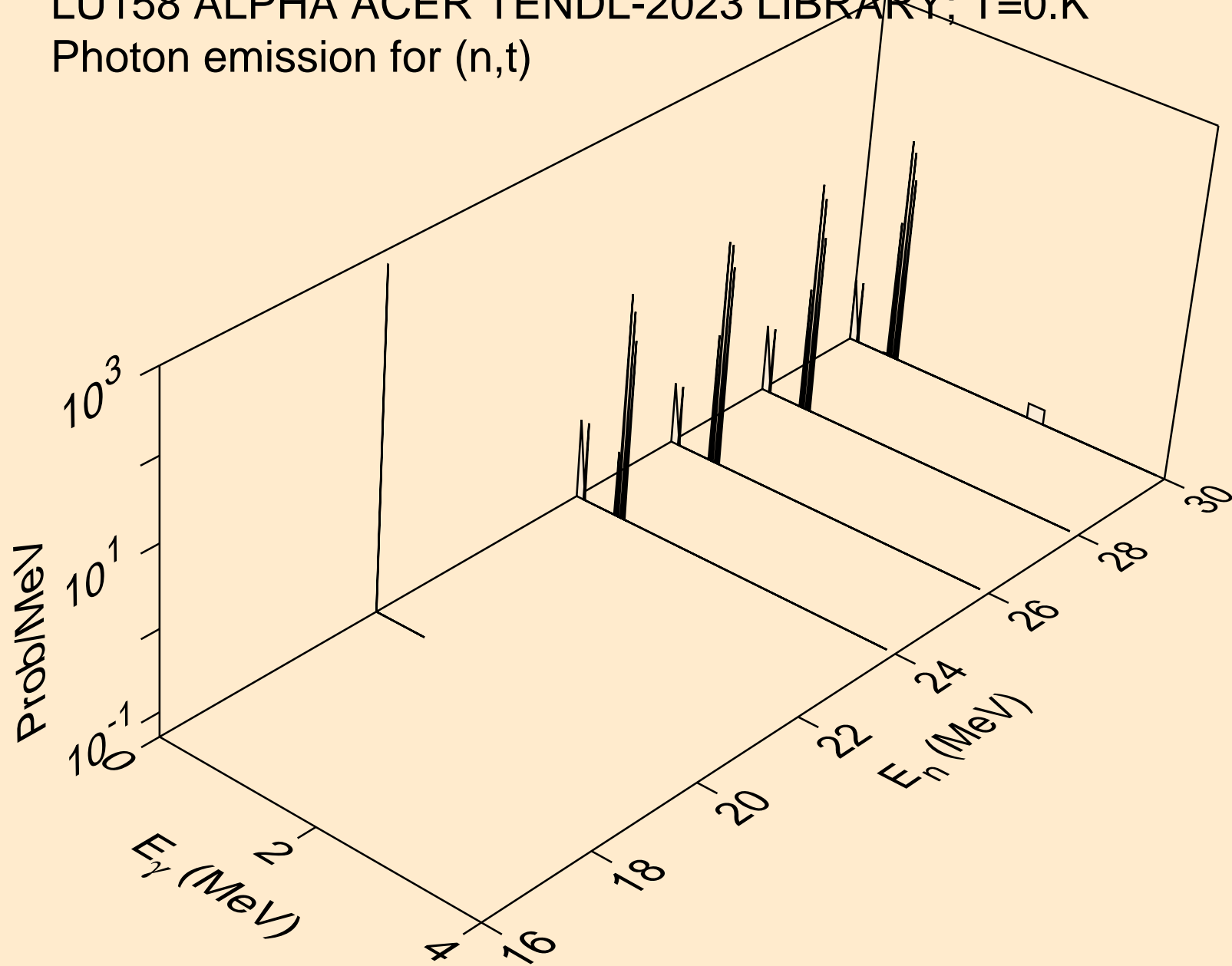




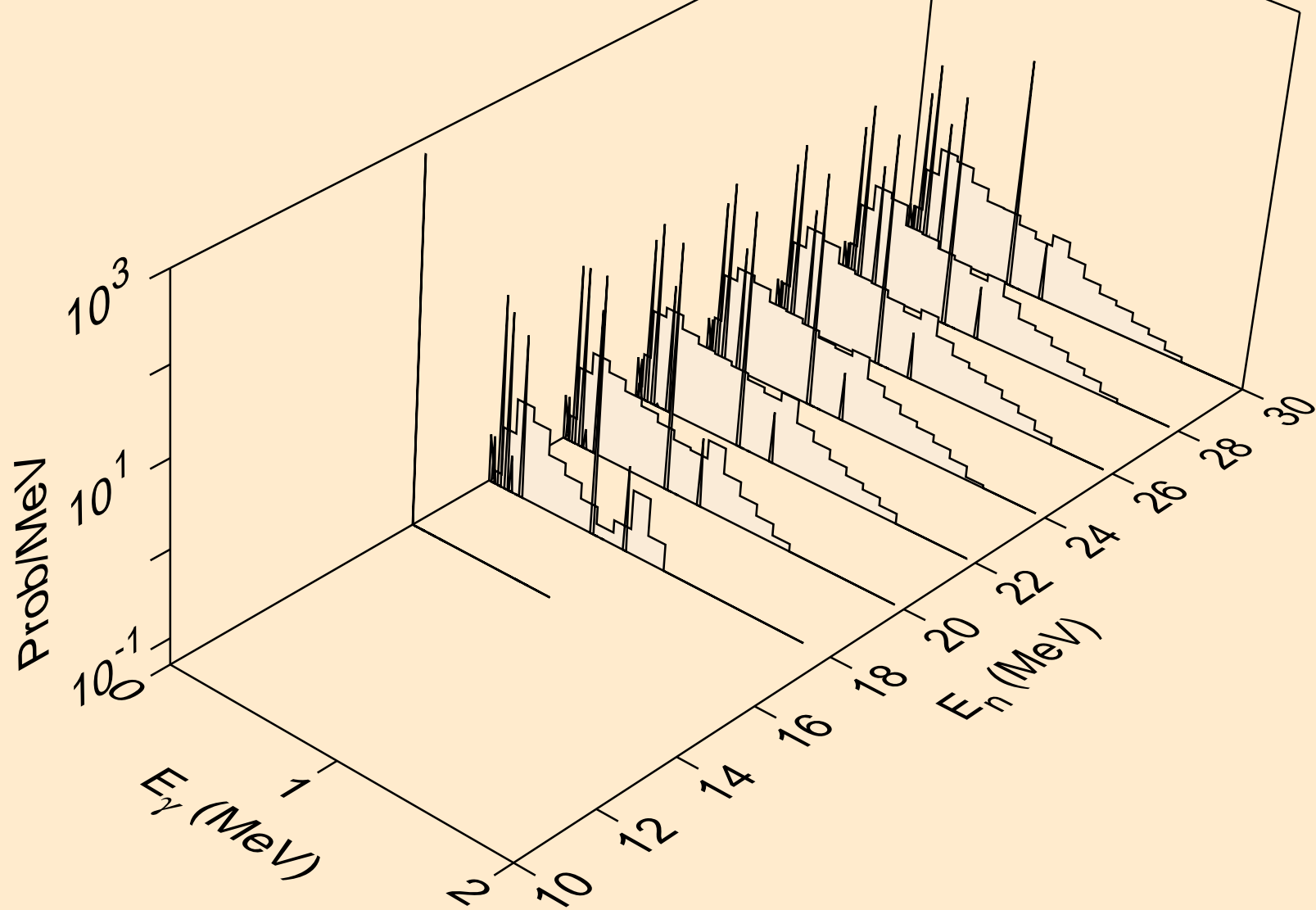
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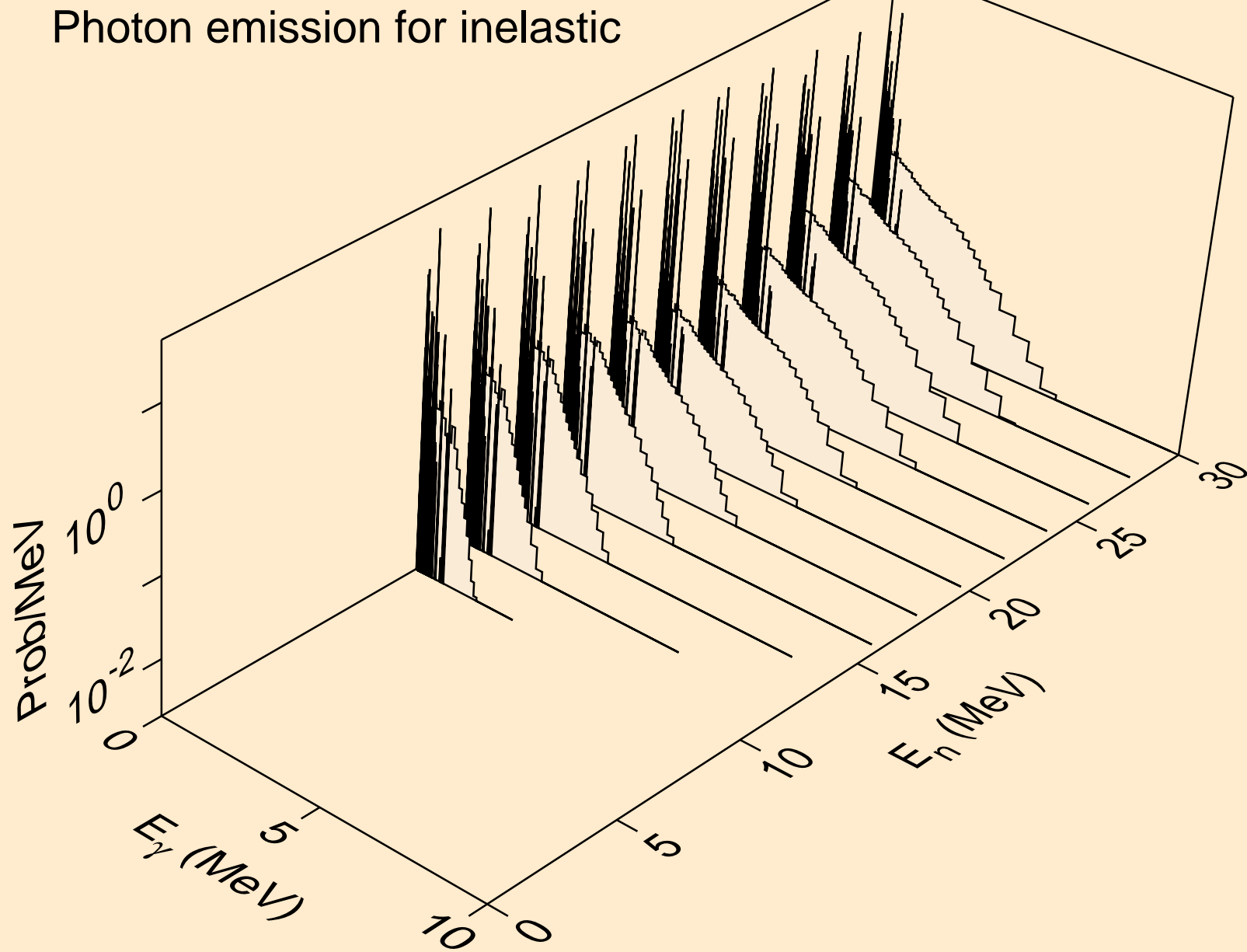
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Photon emission for (n,t)



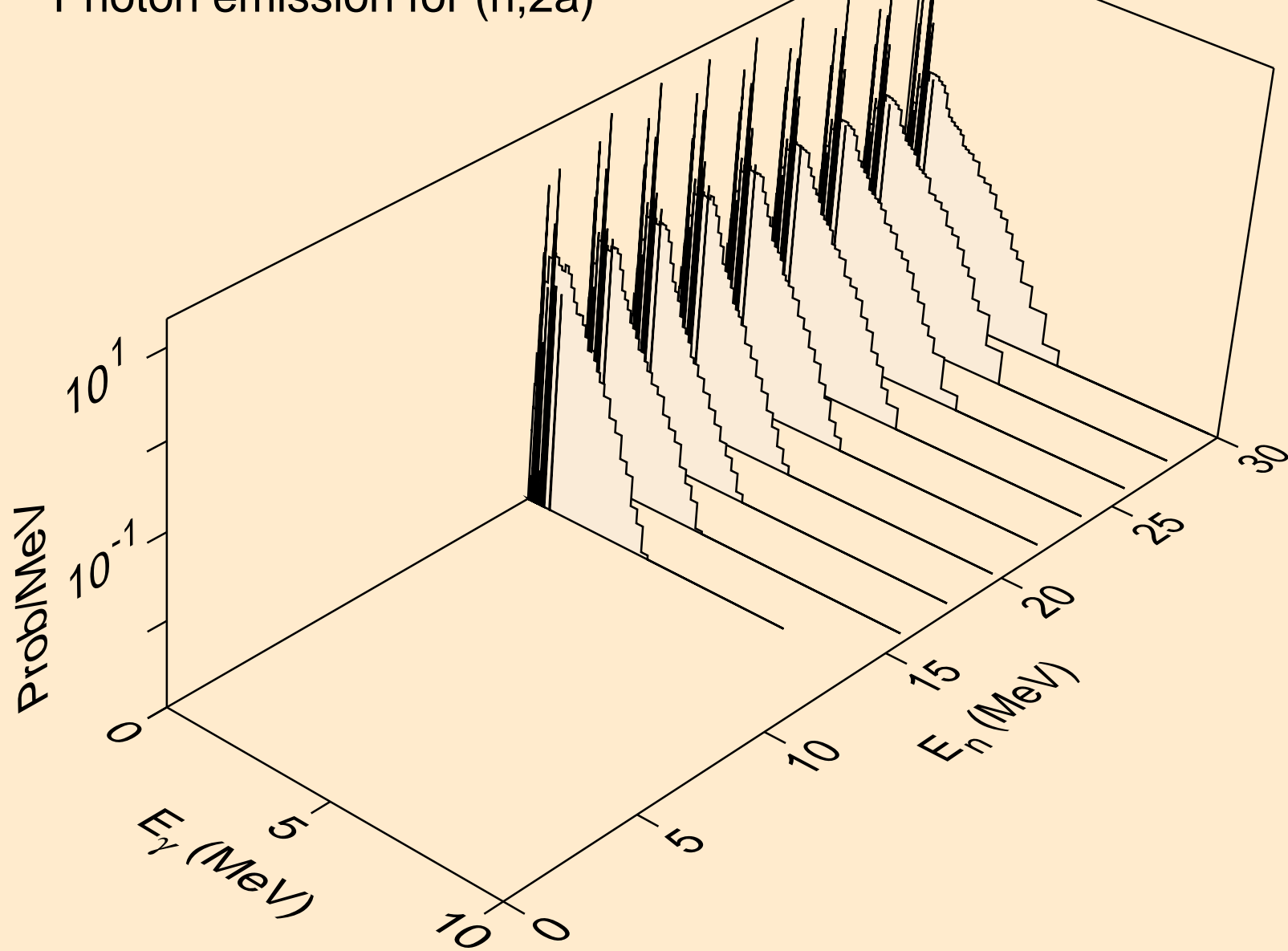
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Photon emission for (n,he3)



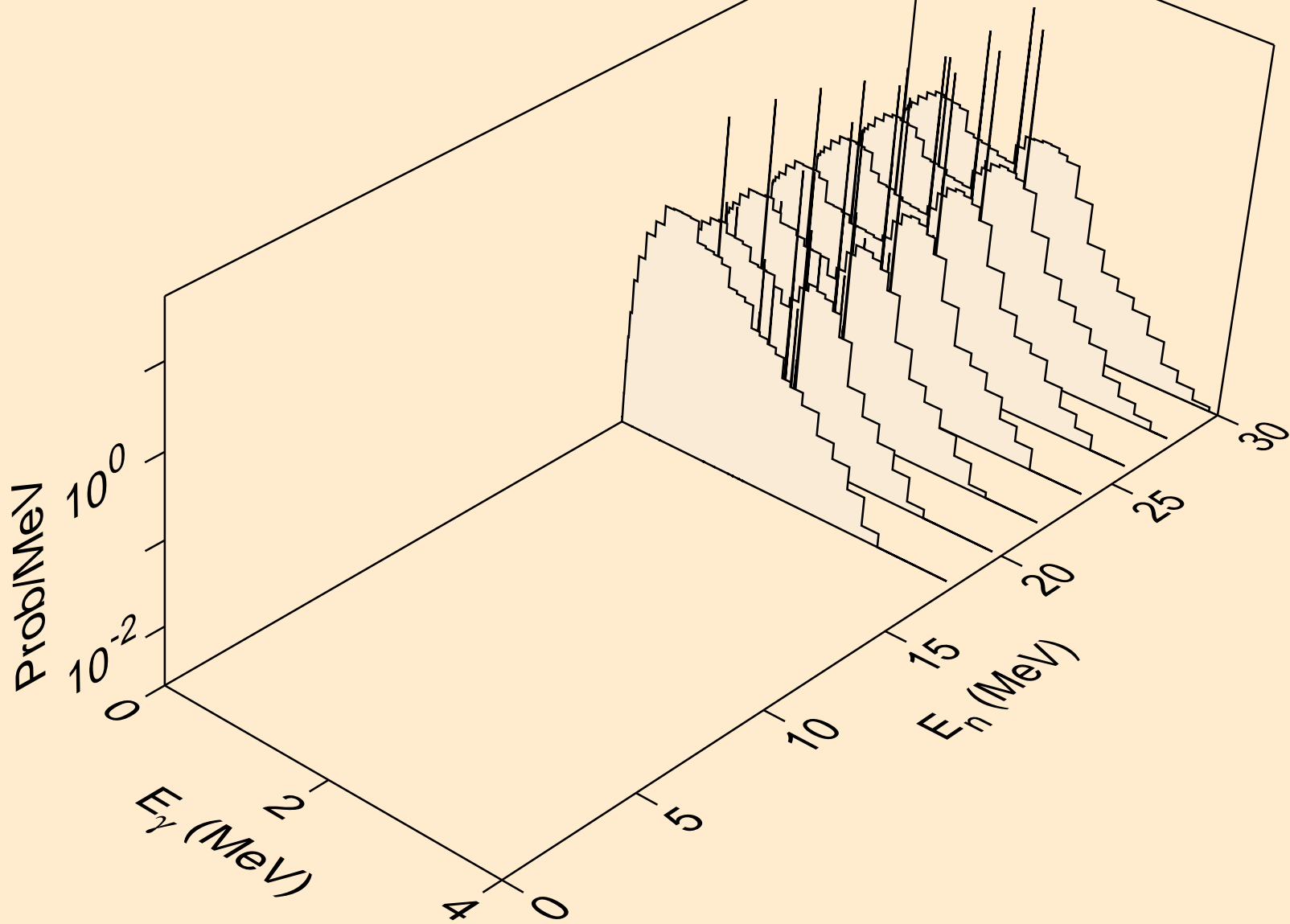
LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



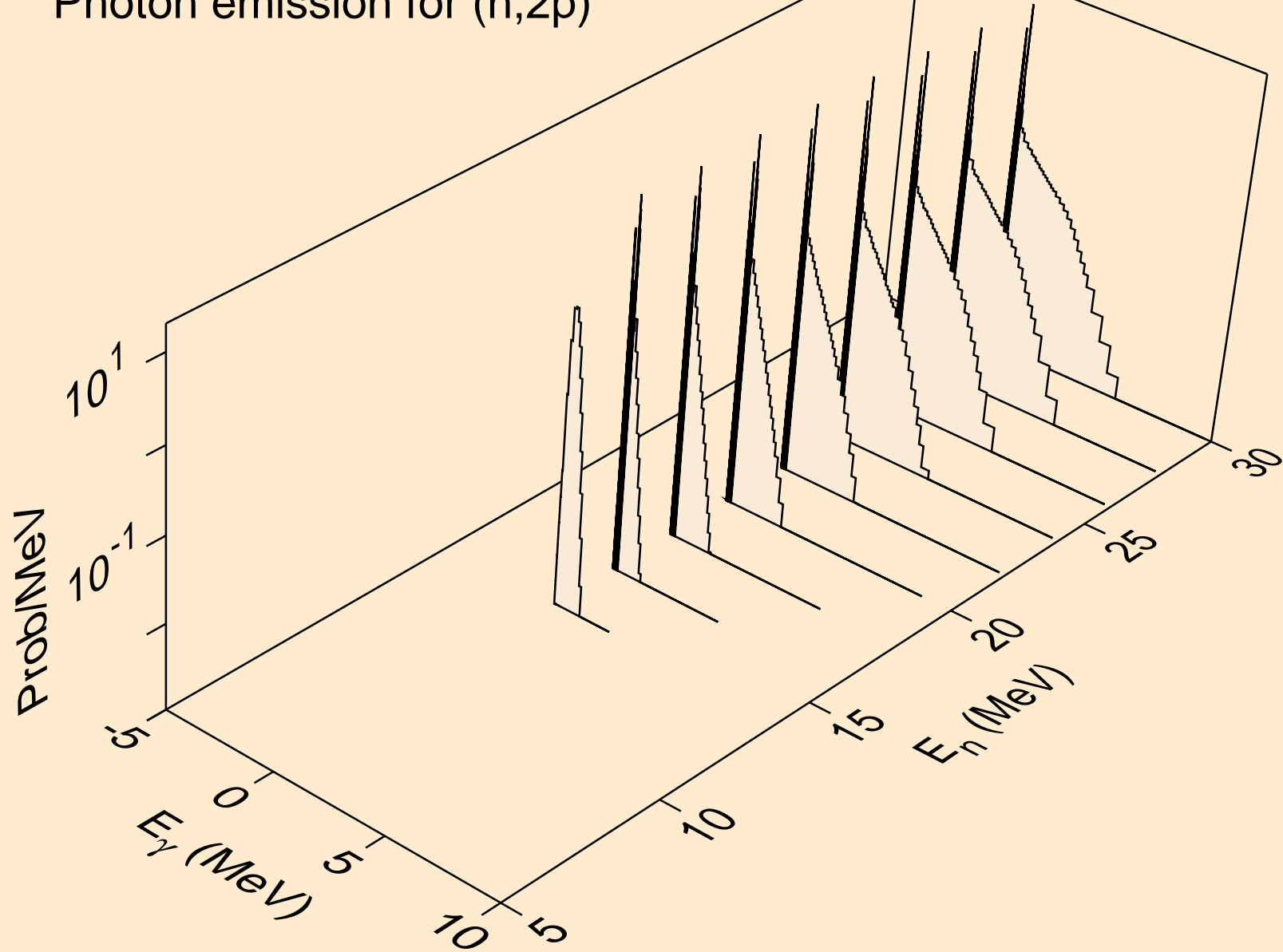
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Photon emission for (n,2a)



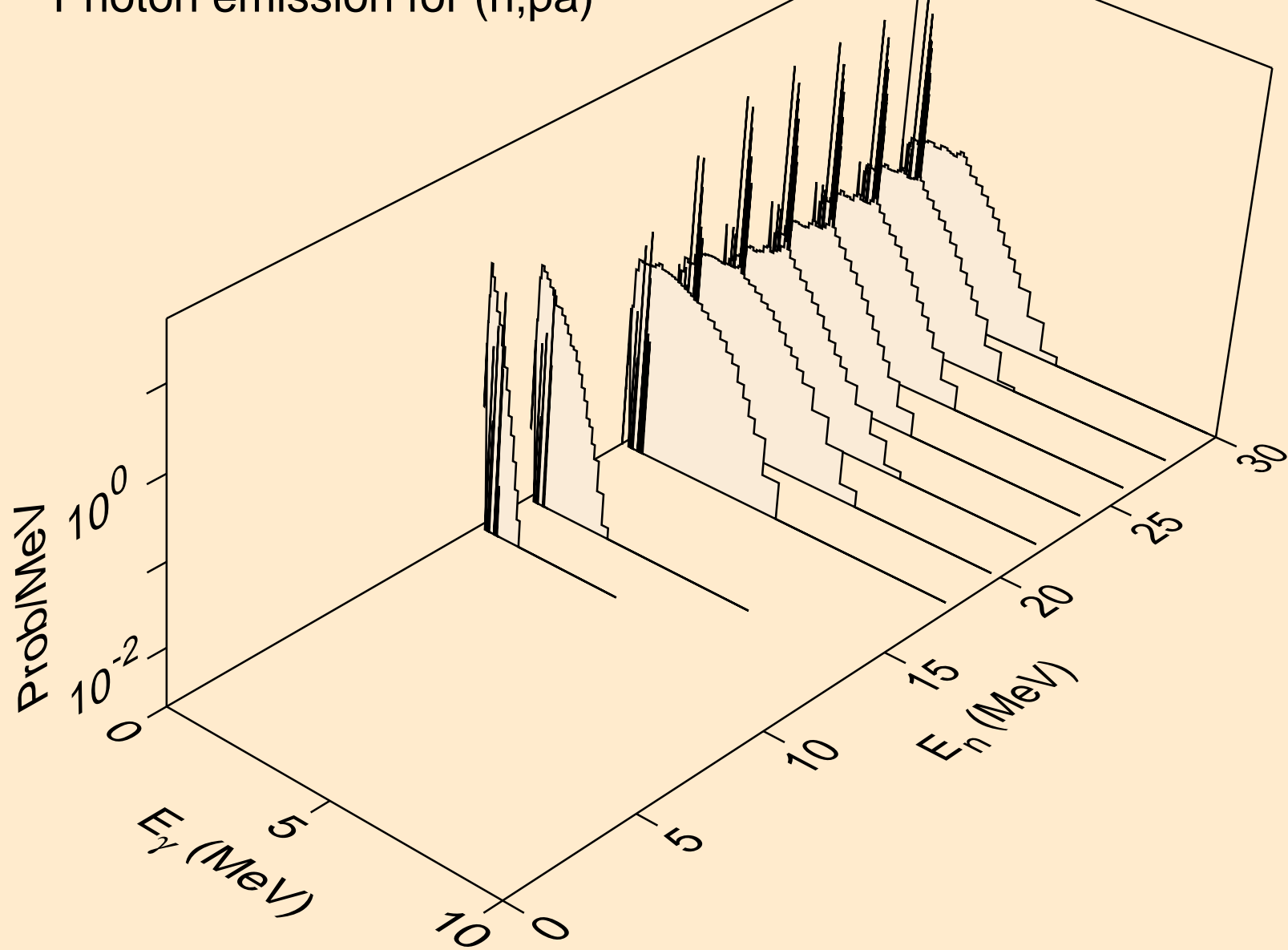
LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)



LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)

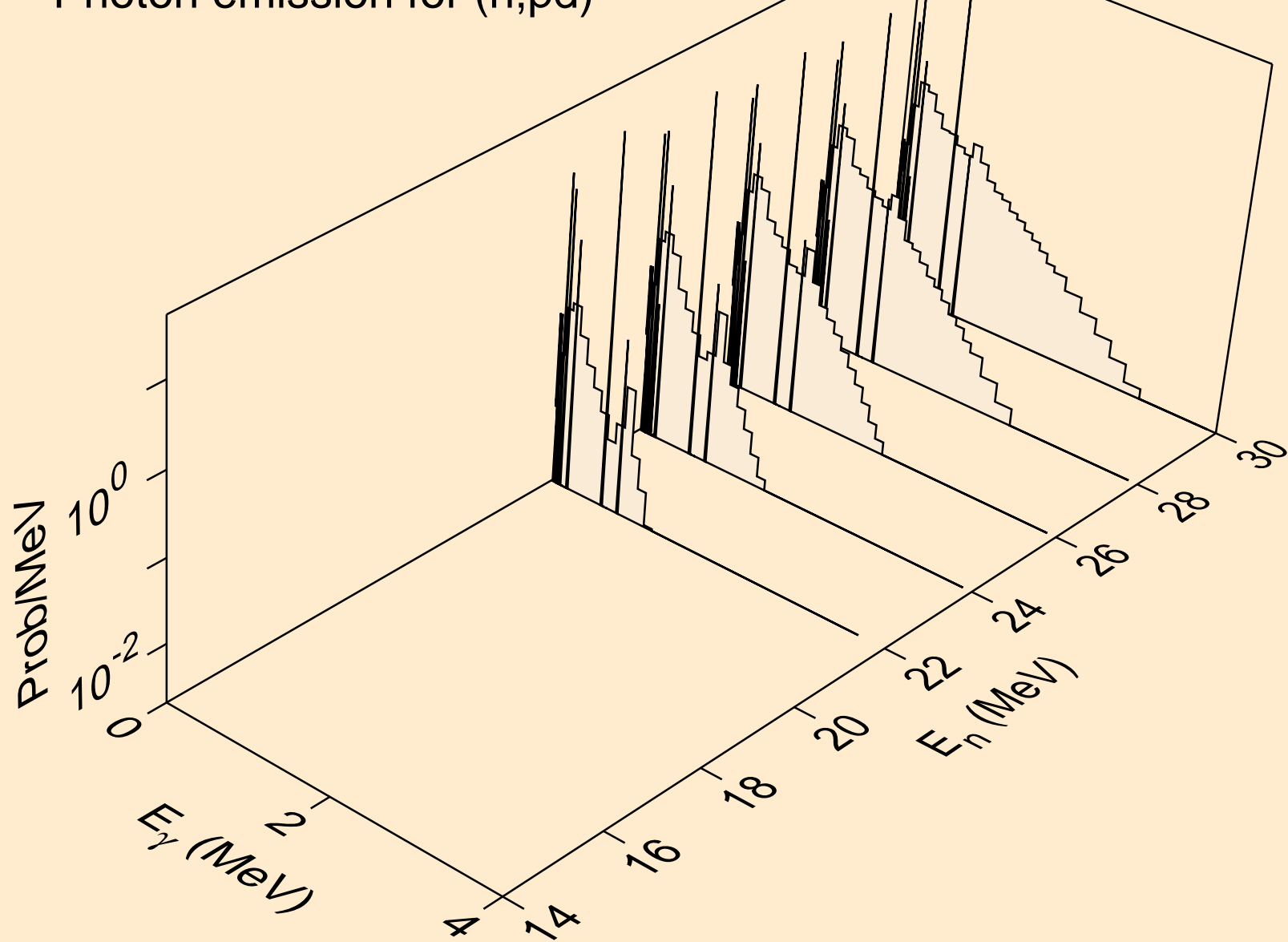


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Photon emission for (n,pa)

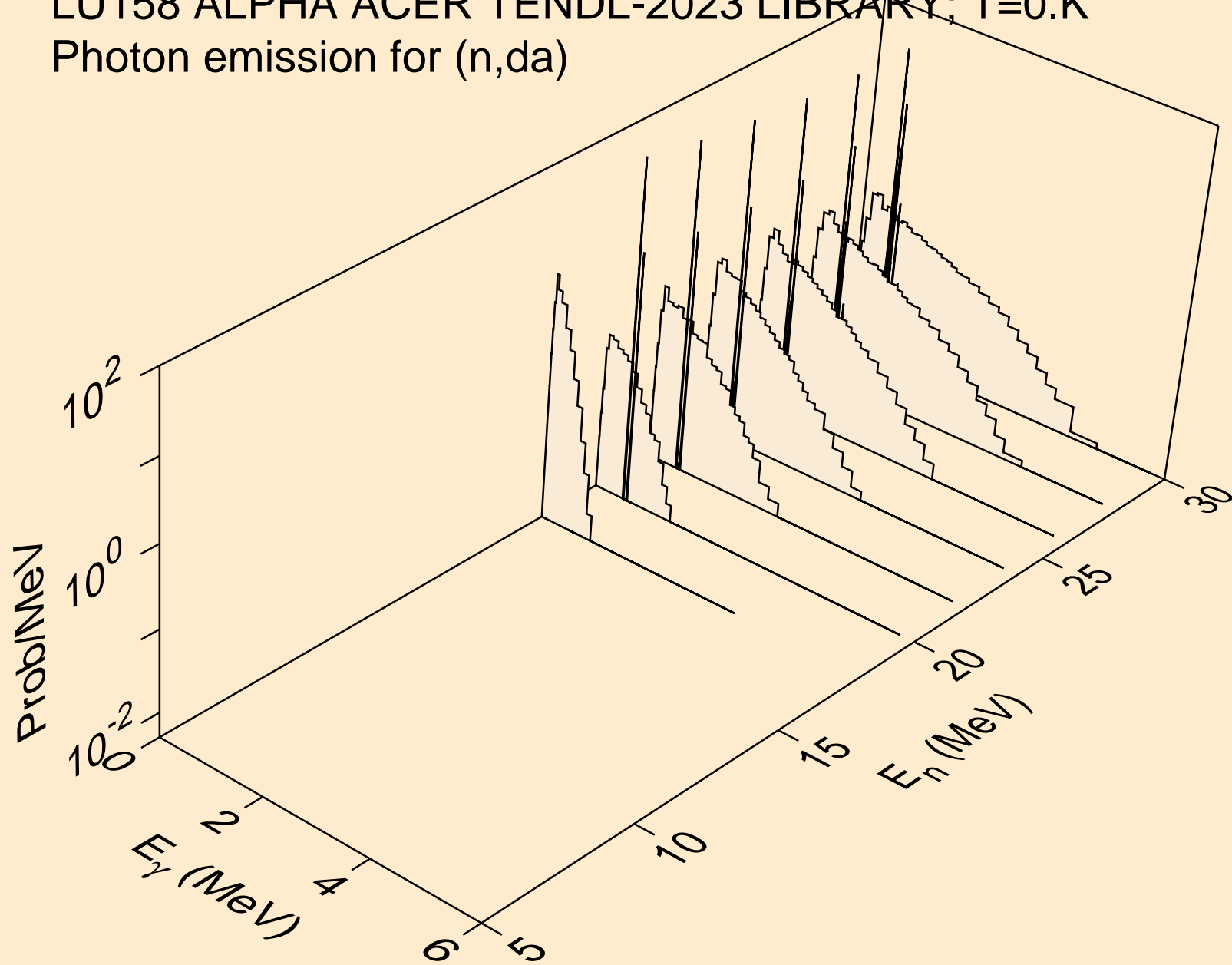




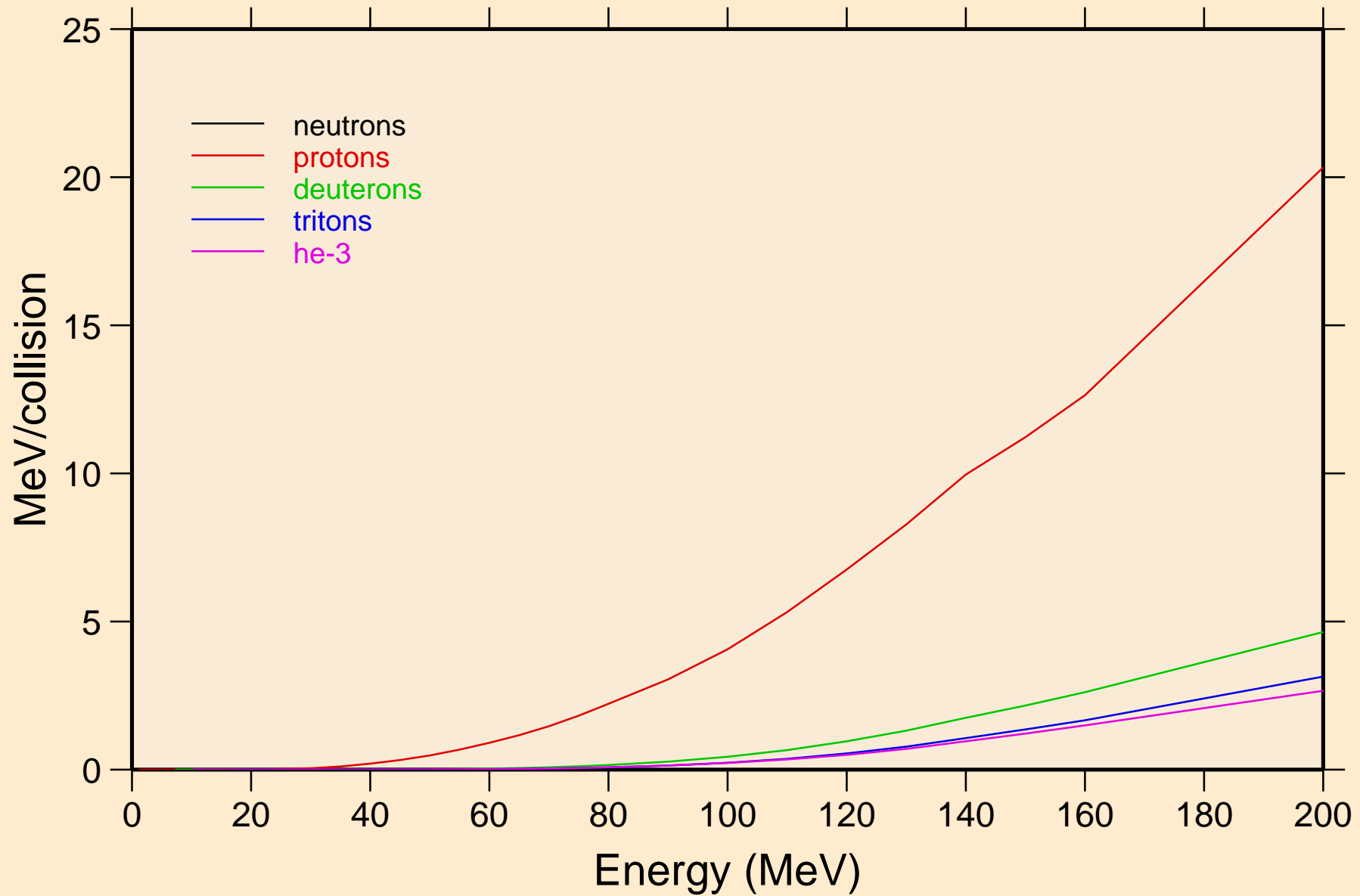
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Photon emission for (n,pd)



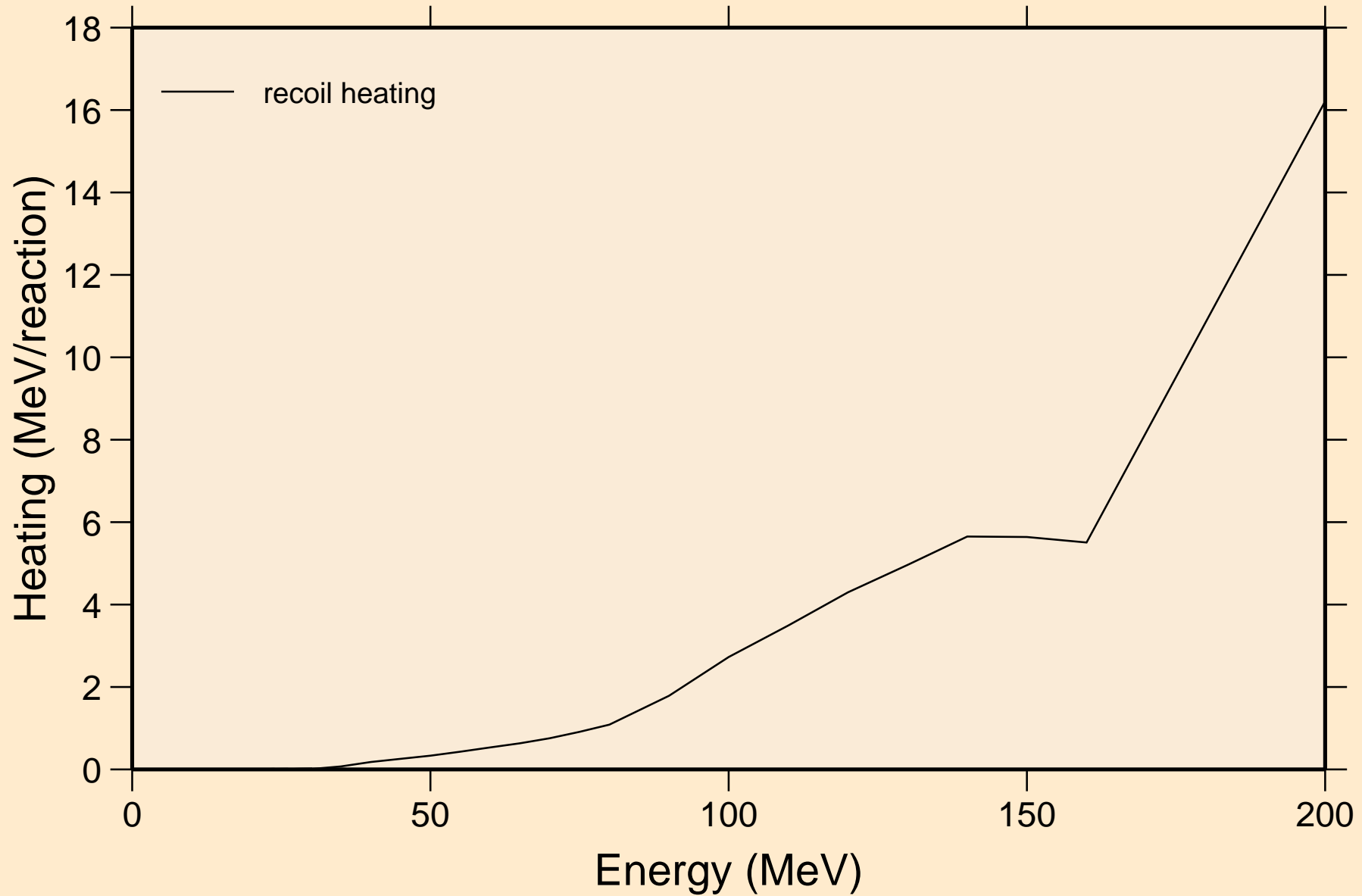
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Photon emission for (n,da)



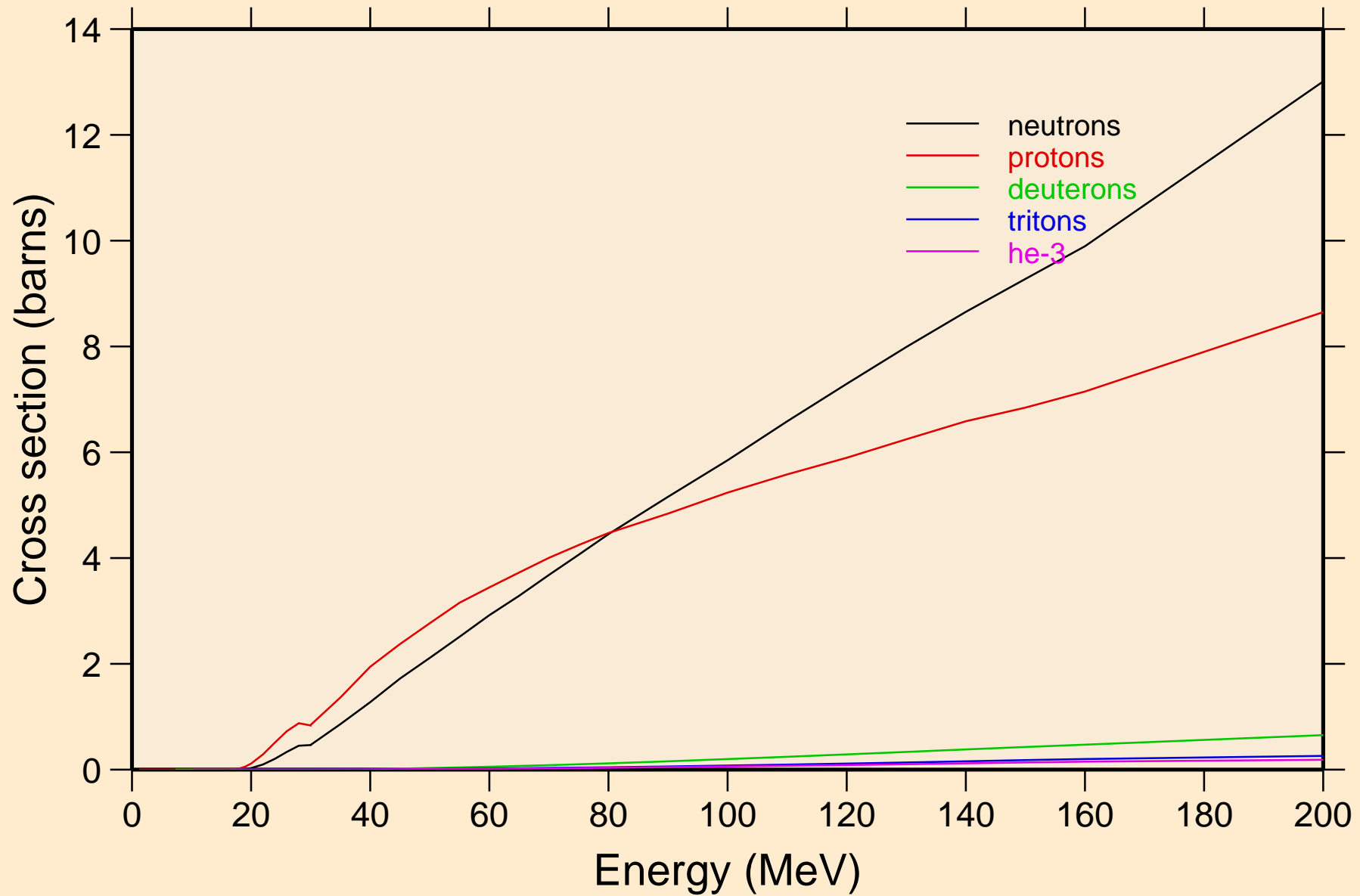
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Particle heating contributions



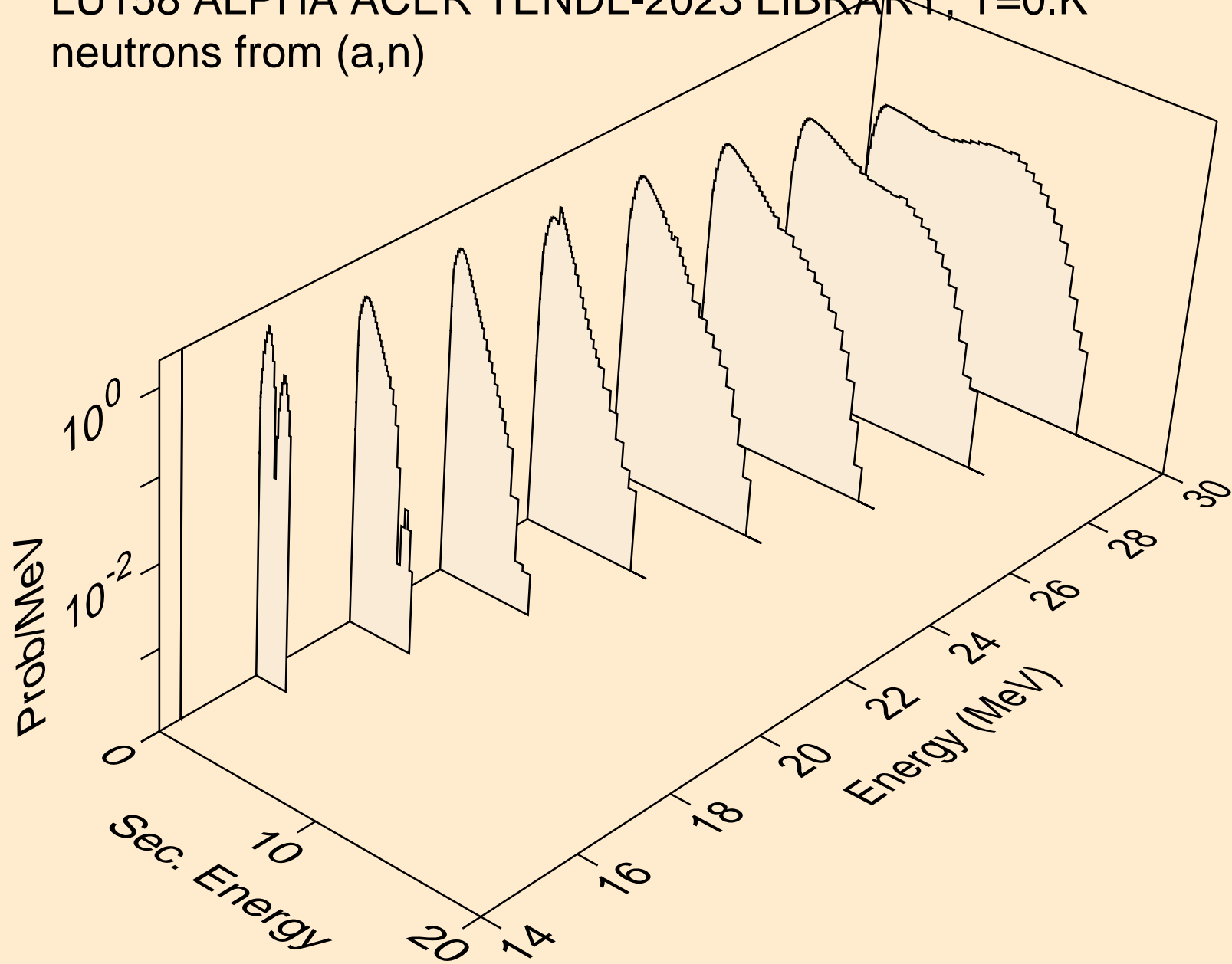
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Recoil Heating



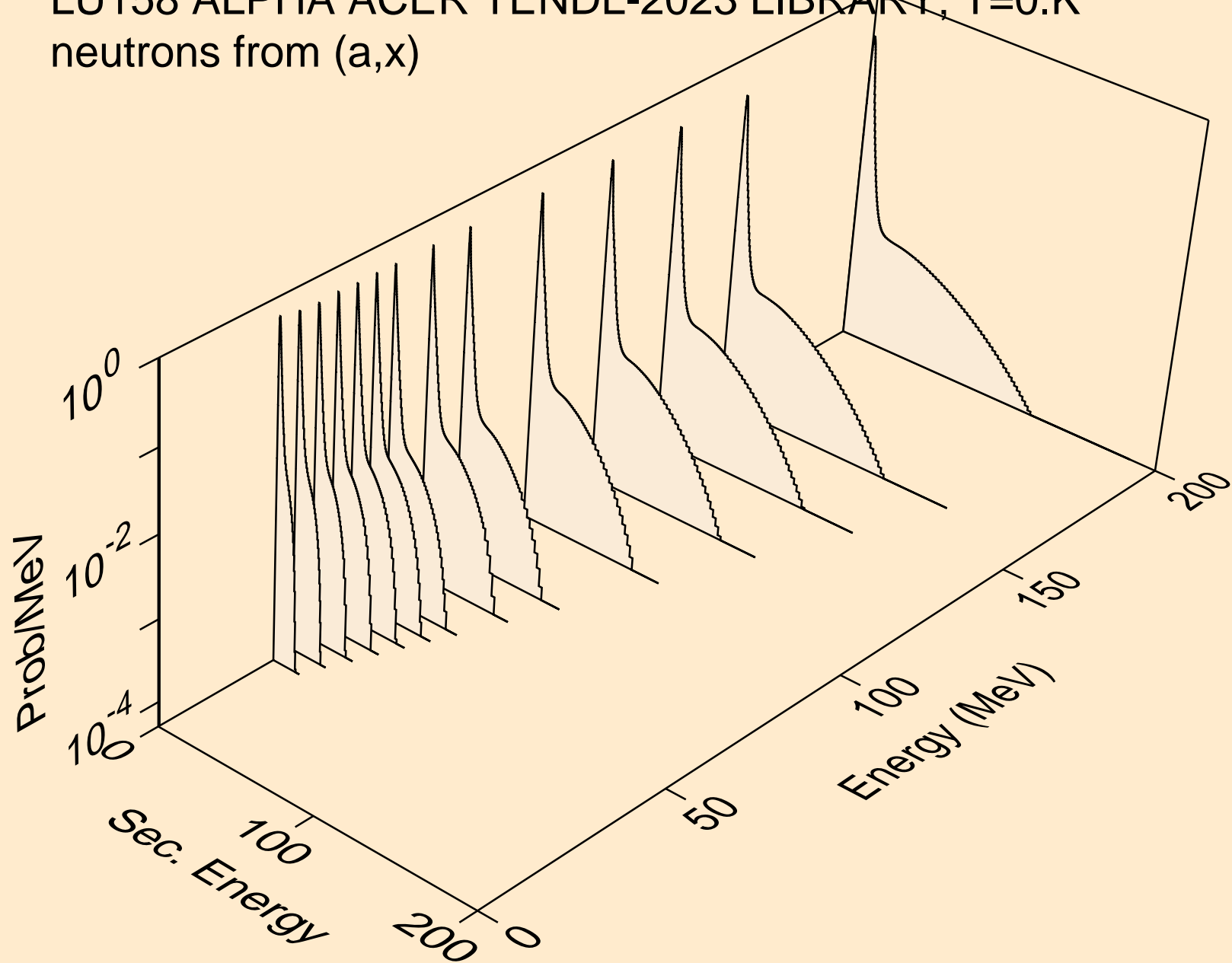
LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



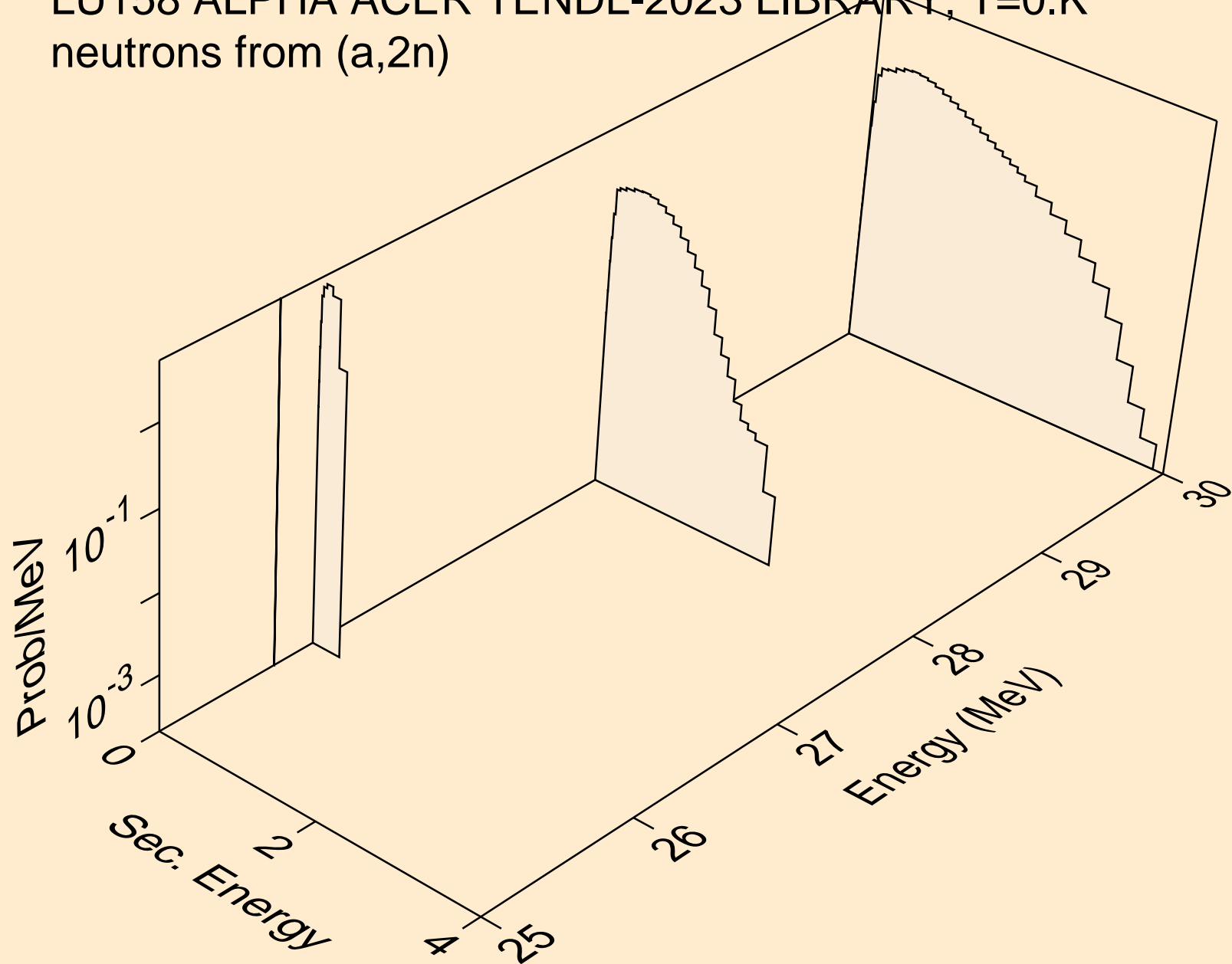
LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n)



LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,x)

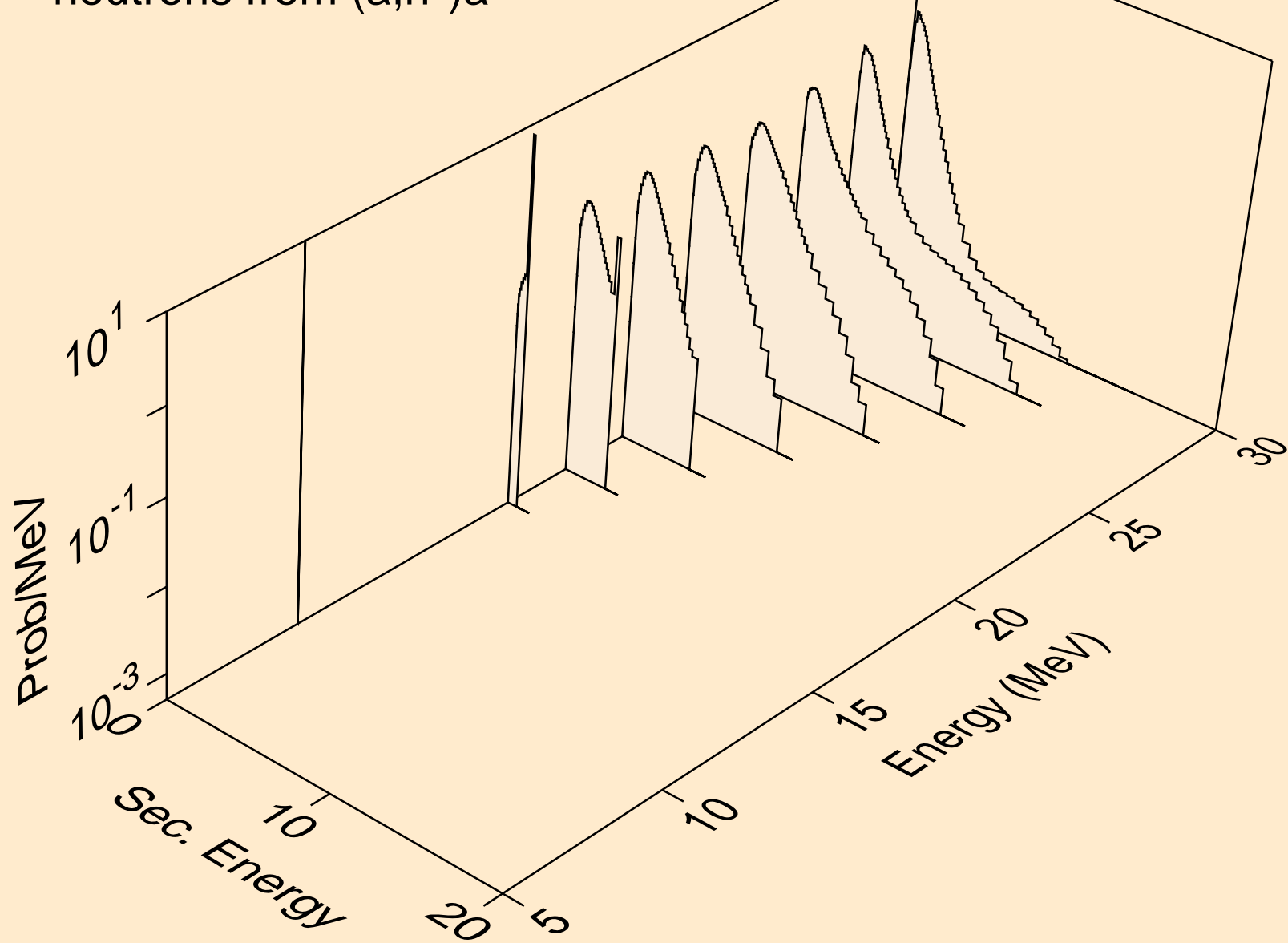


LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2n)

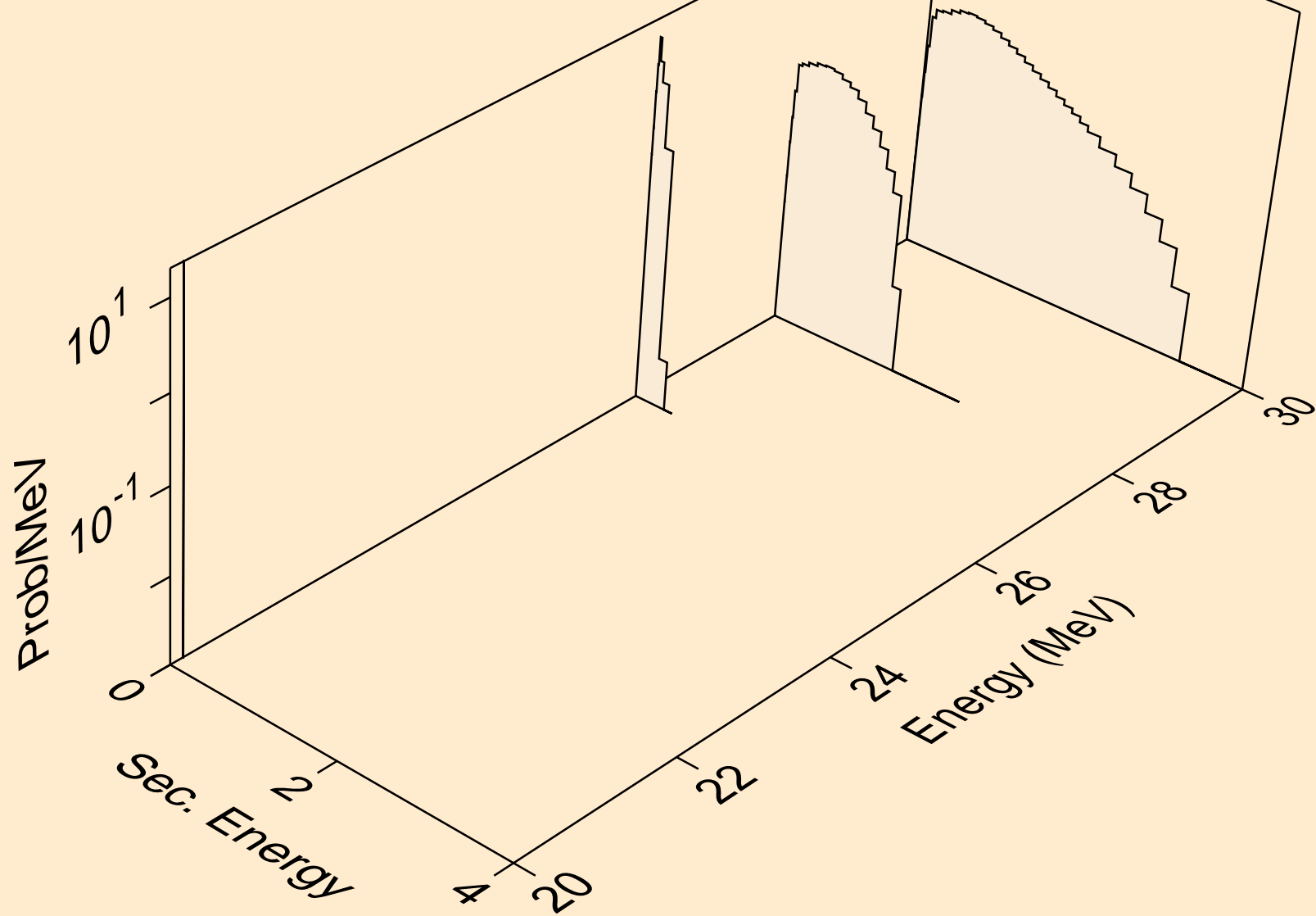




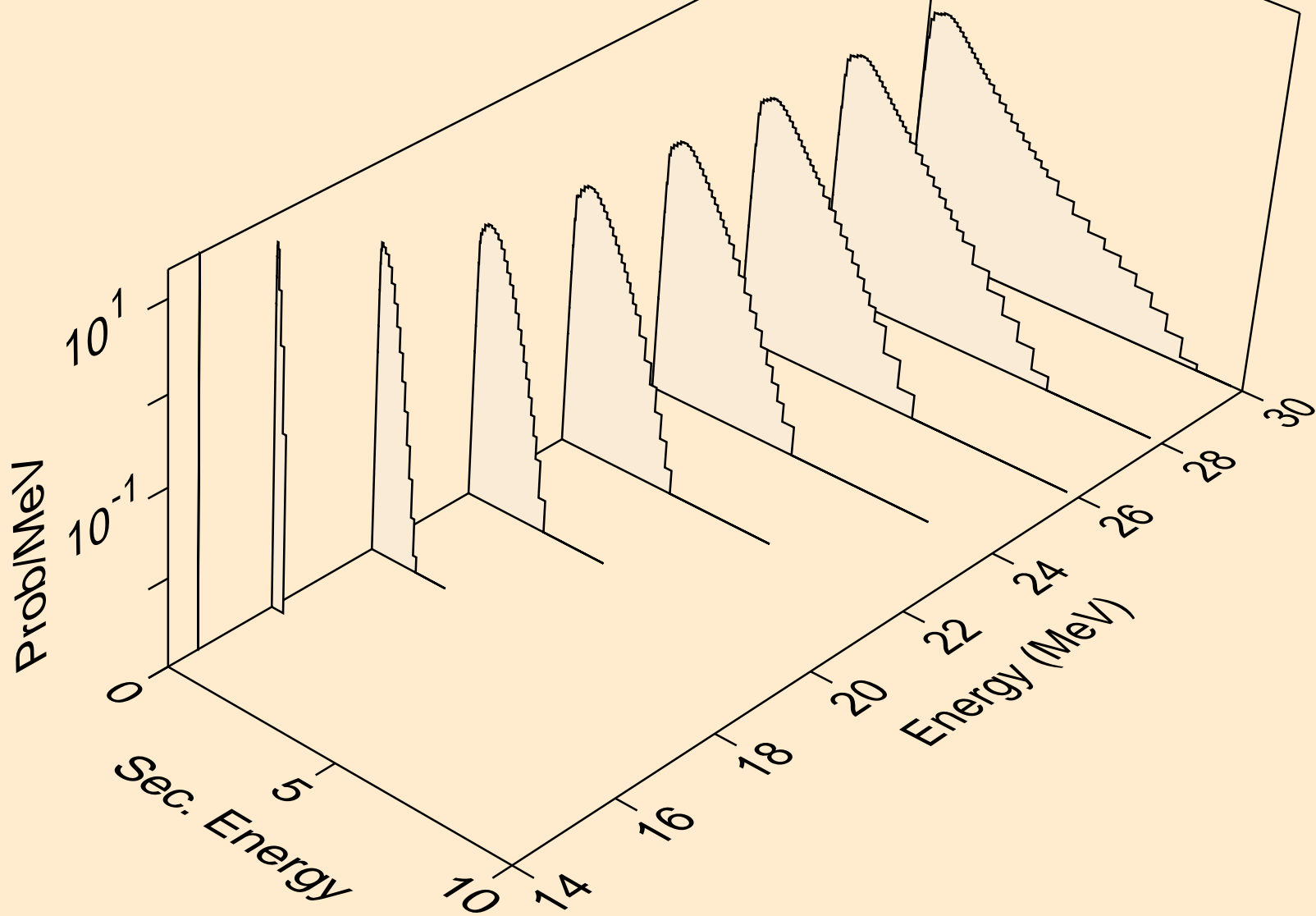
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neutrons from (a,n\*)a



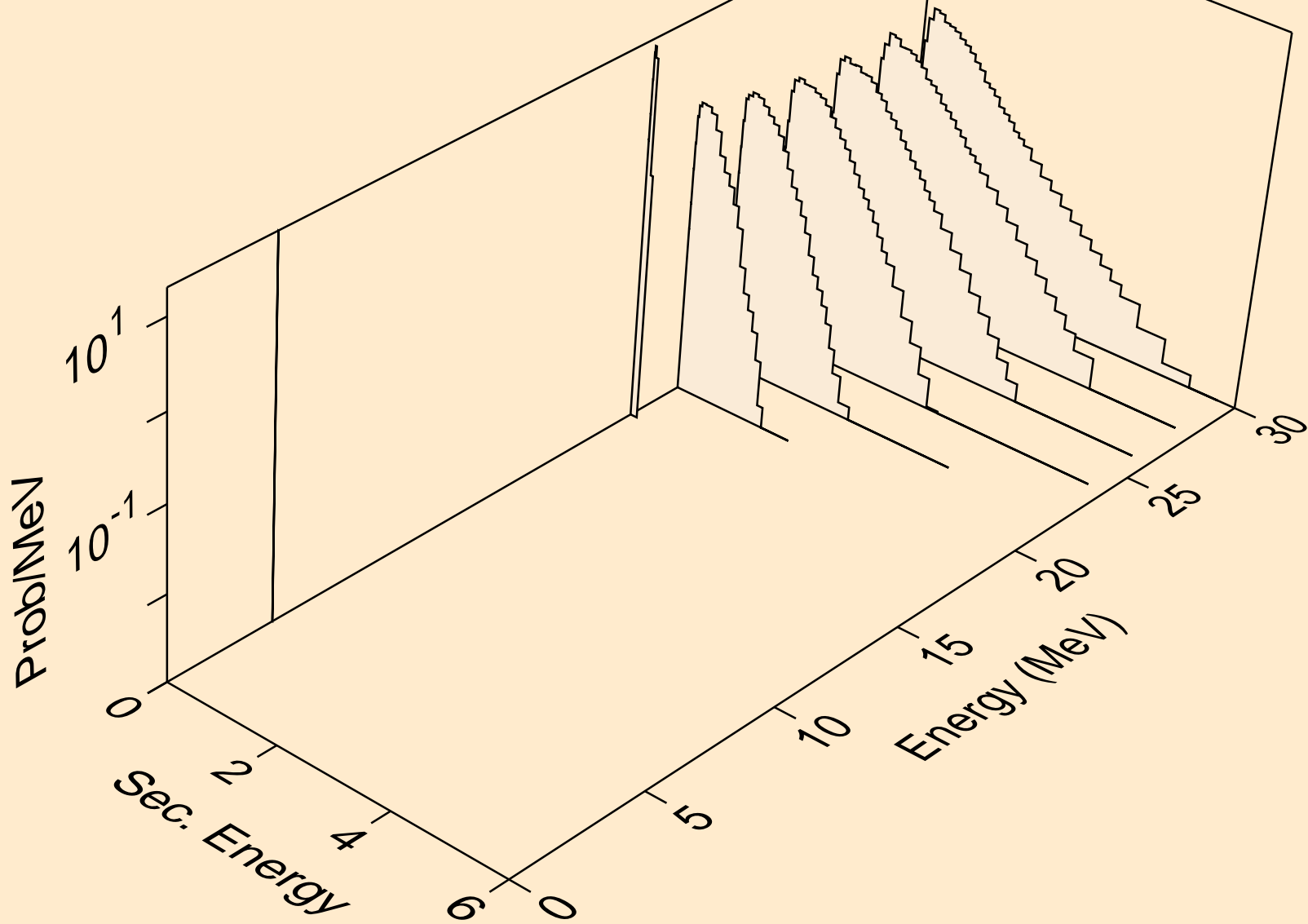
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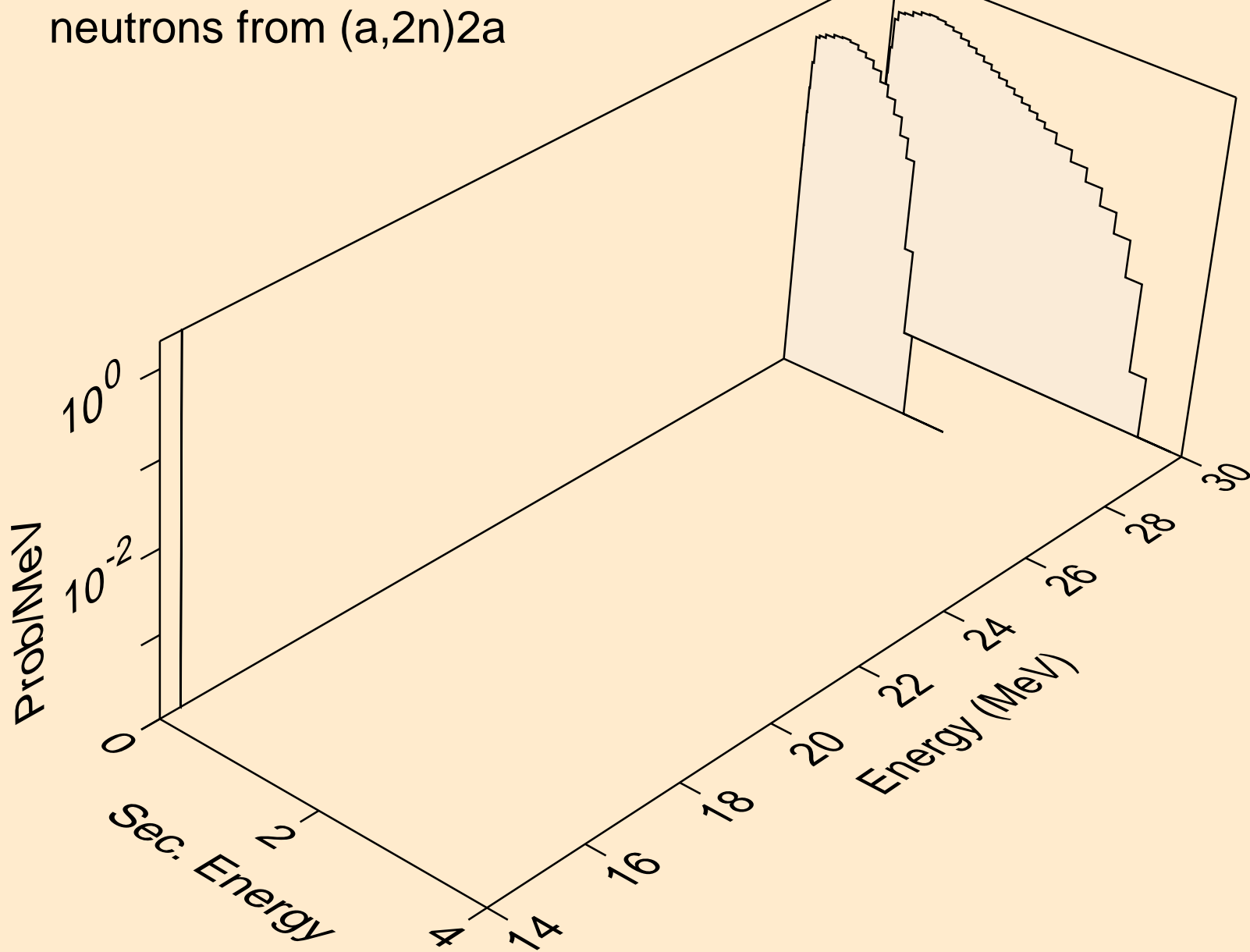
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neutrons from (a,n\*)p



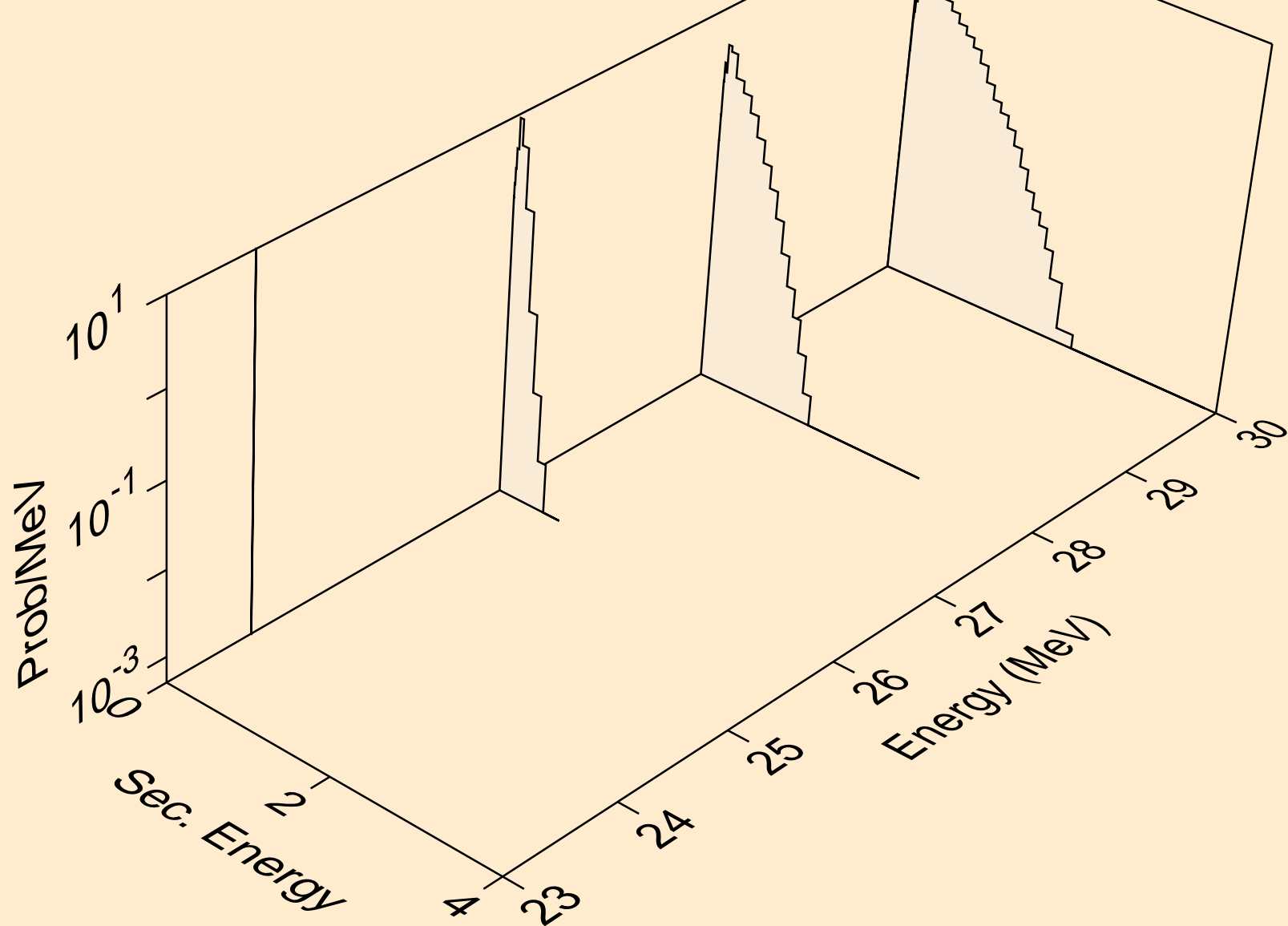
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neutrons from (a,n\*)2a



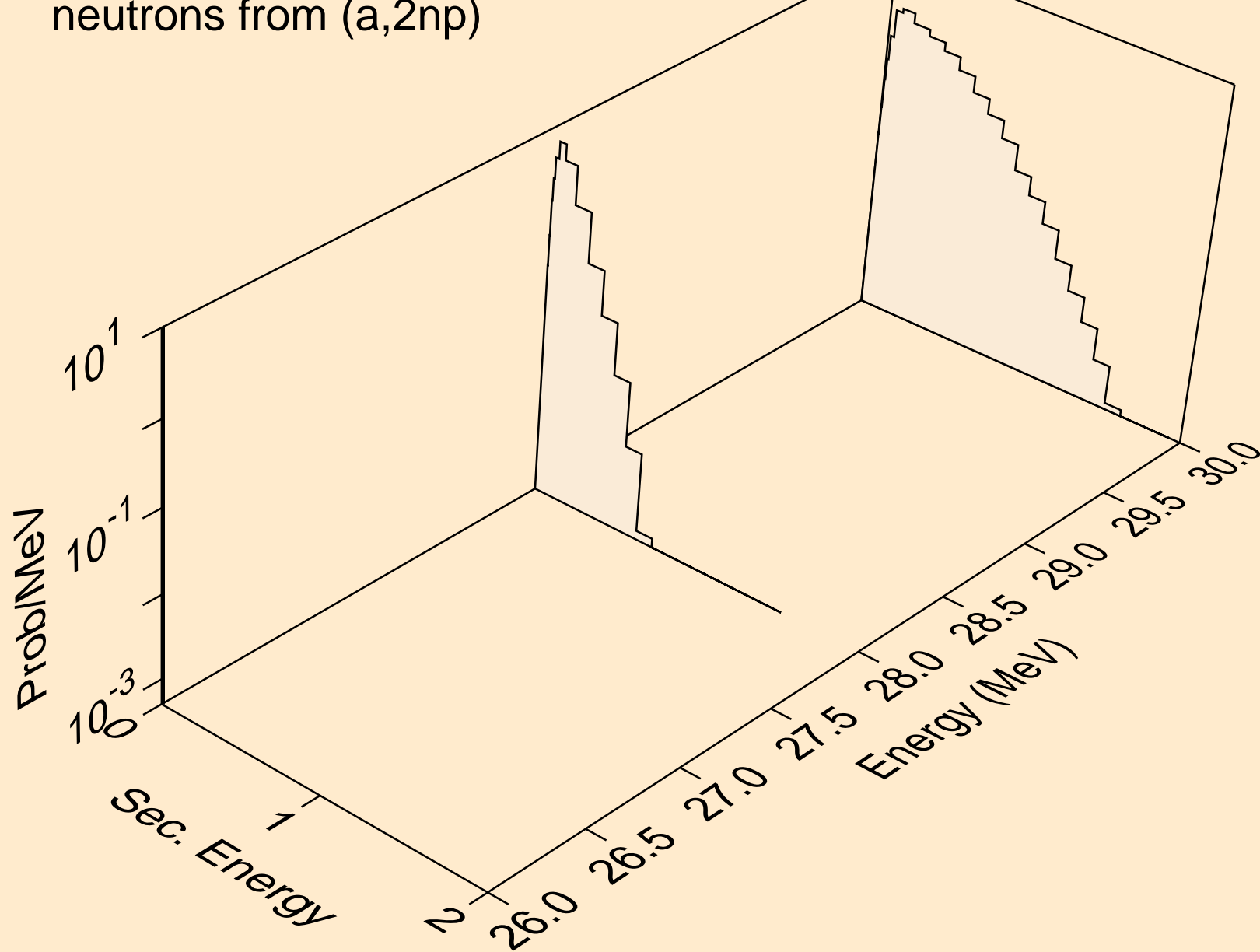
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neutrons from (a,2n)2a



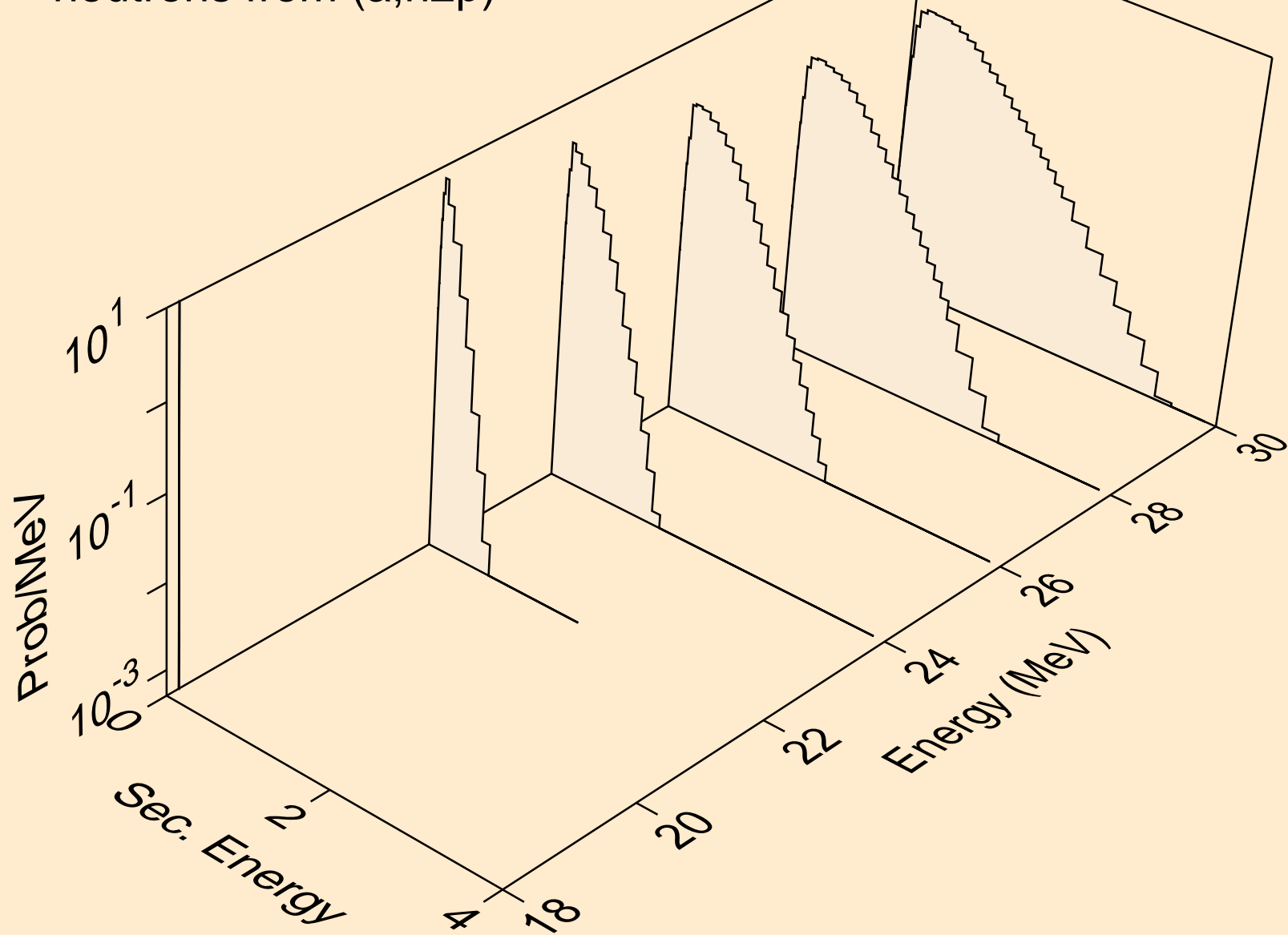
LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)d



LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2np)

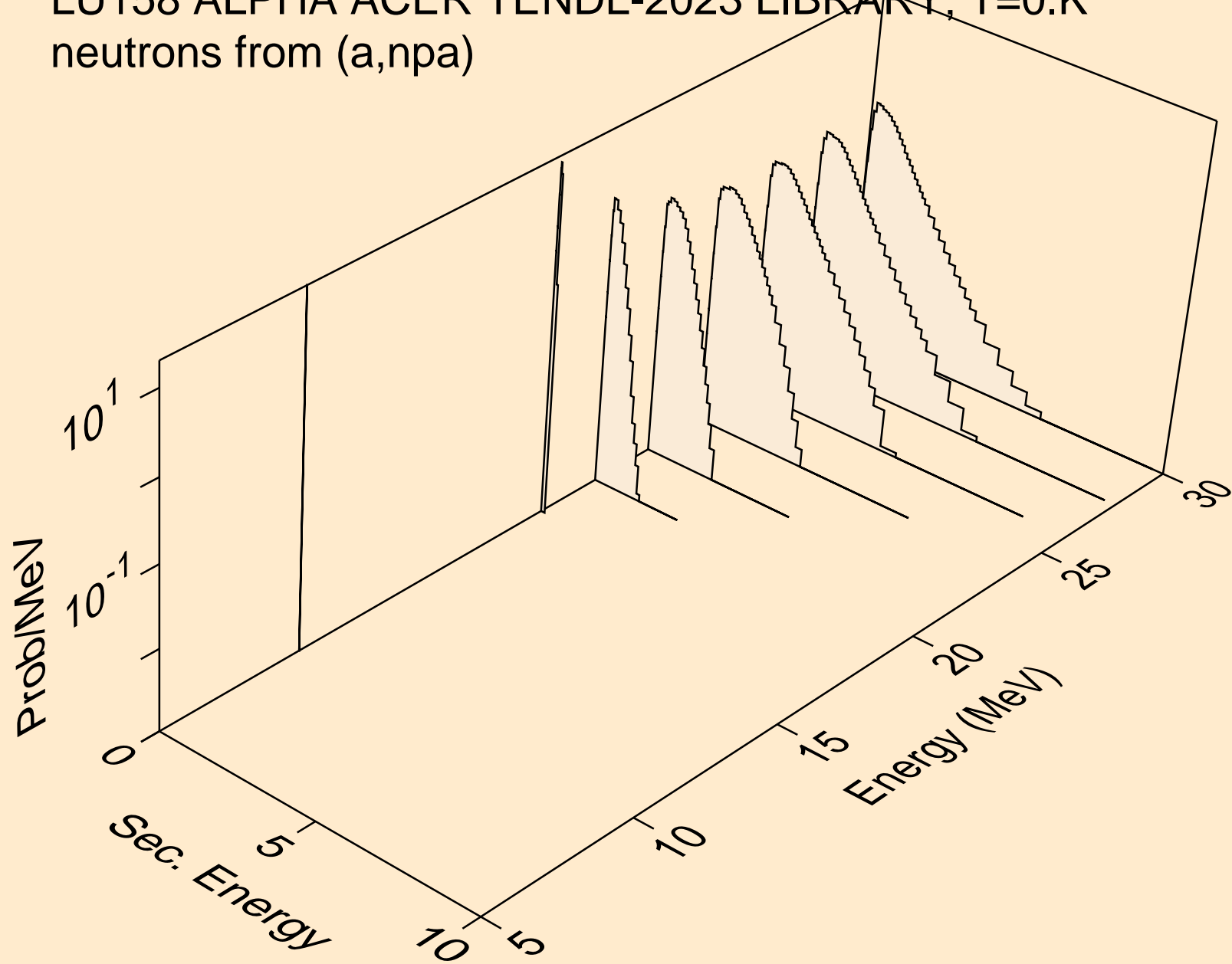


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neutrons from (a,n2p)

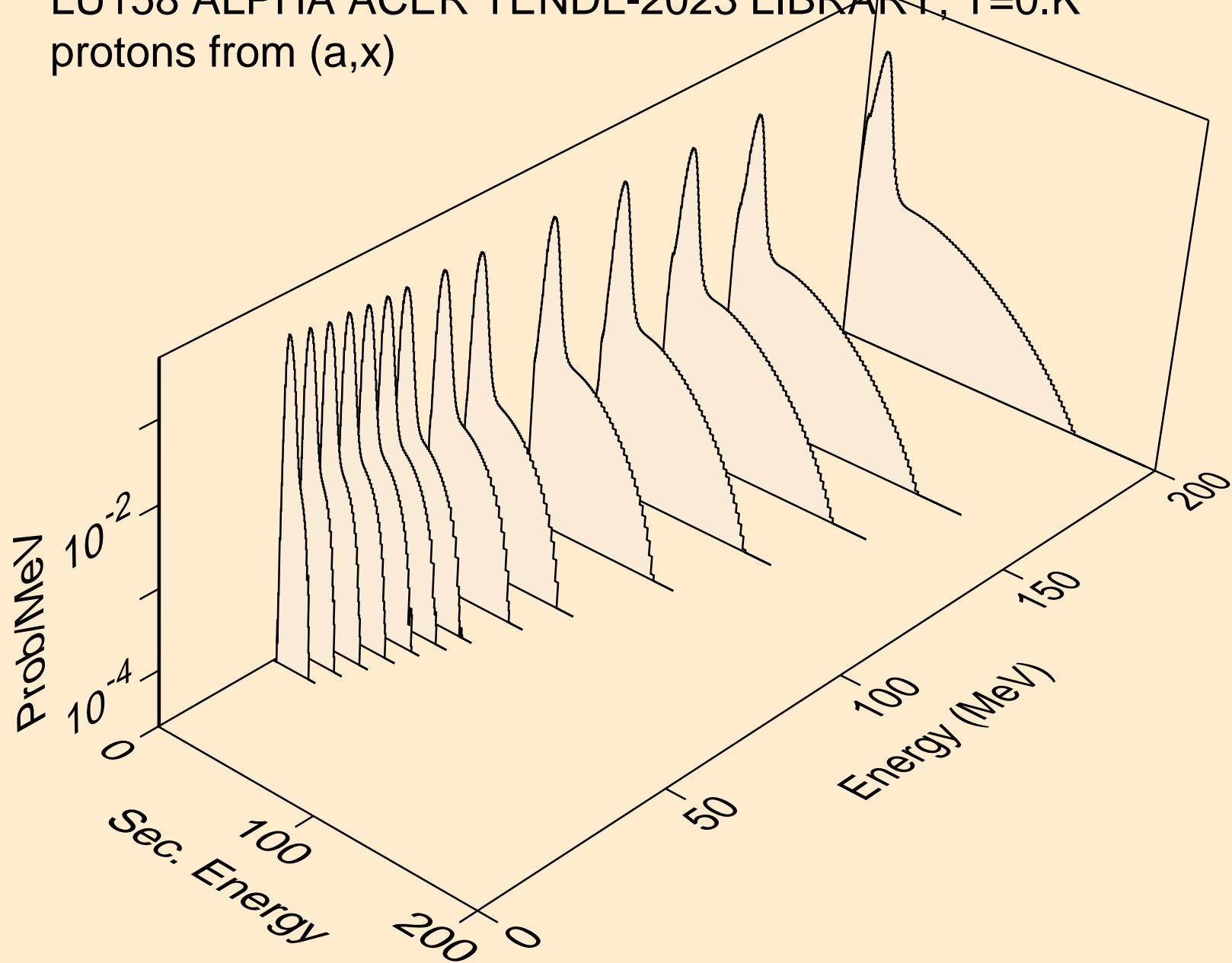




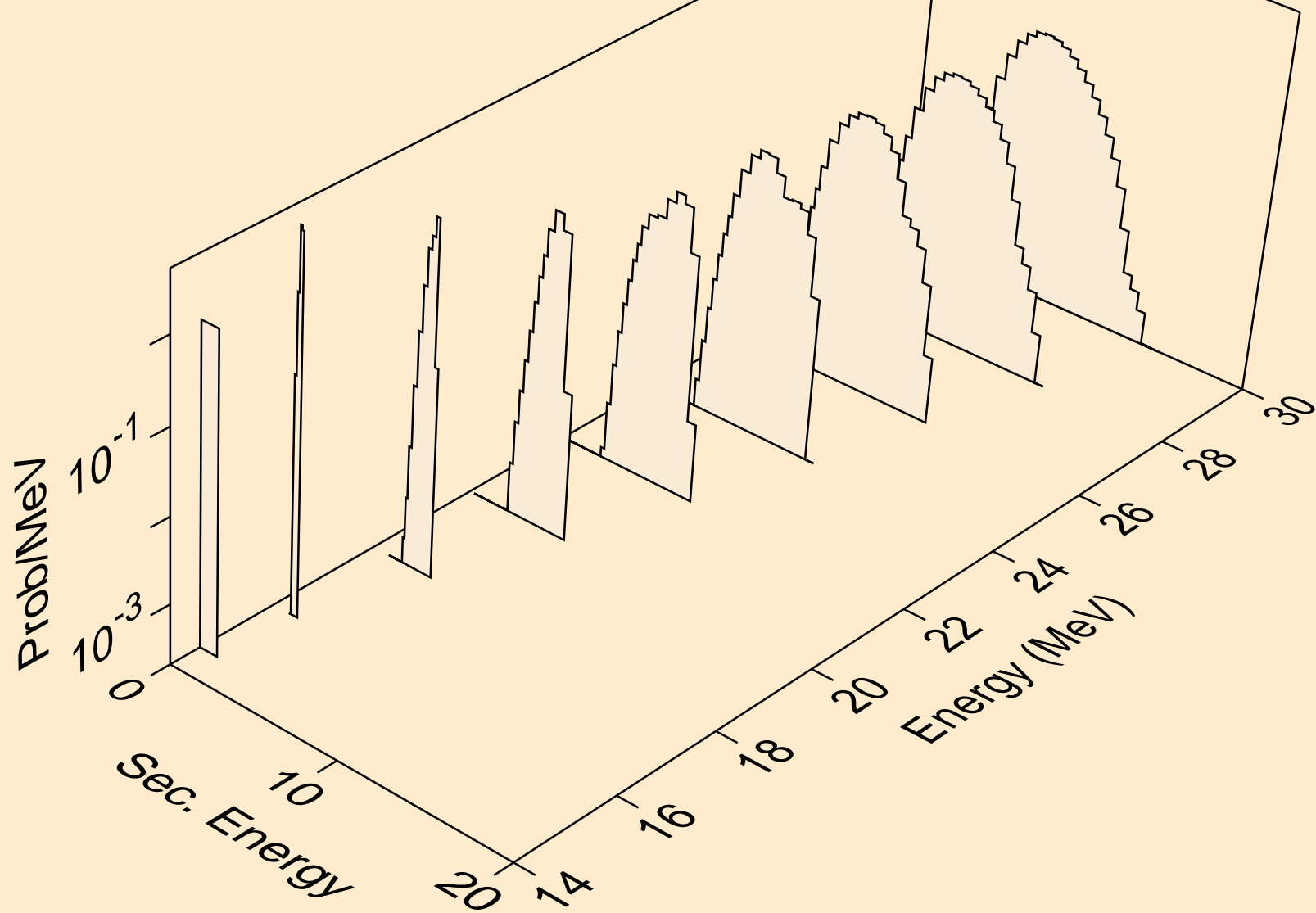
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neutrons from (a,npa)



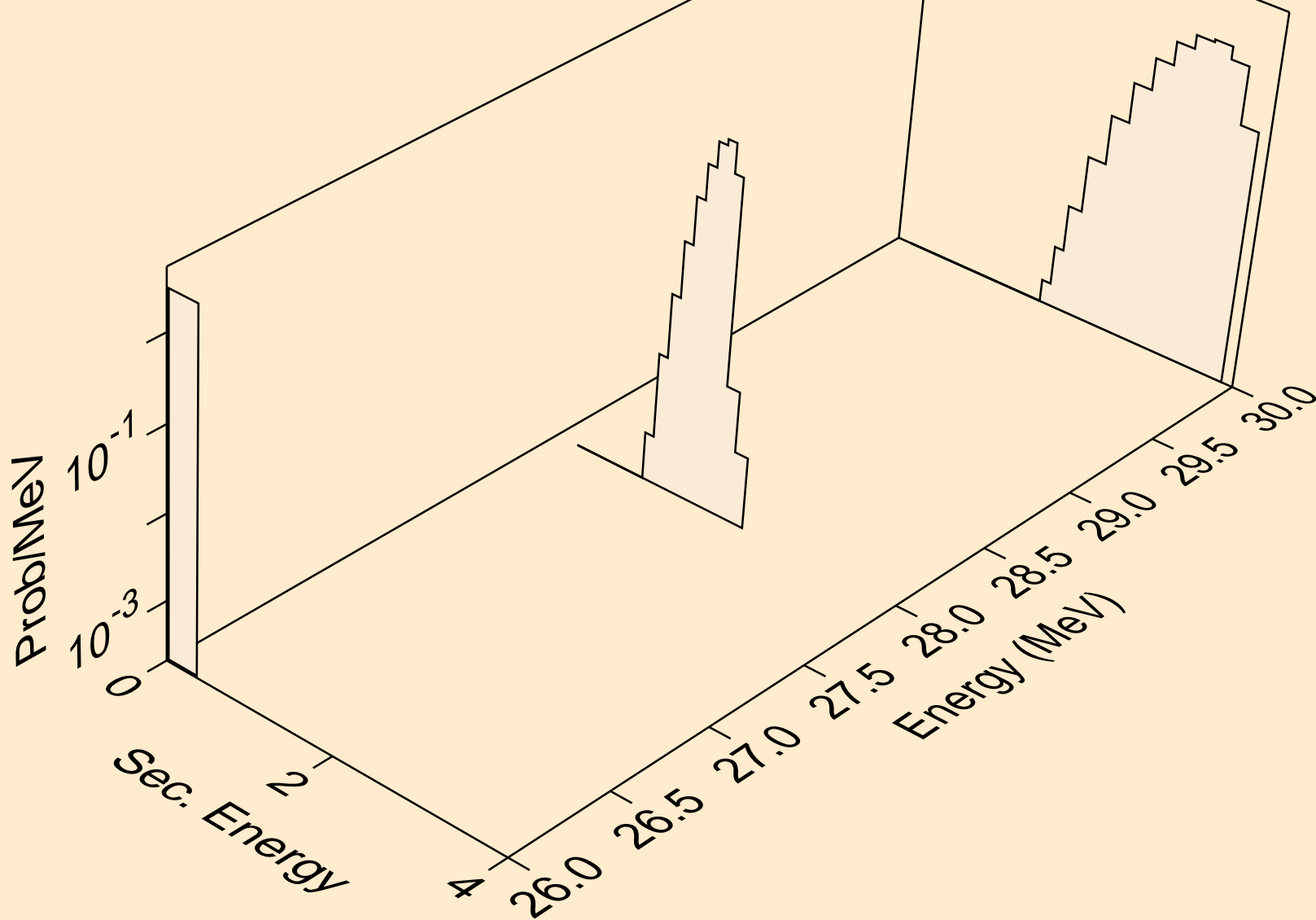
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protons from (a,x)



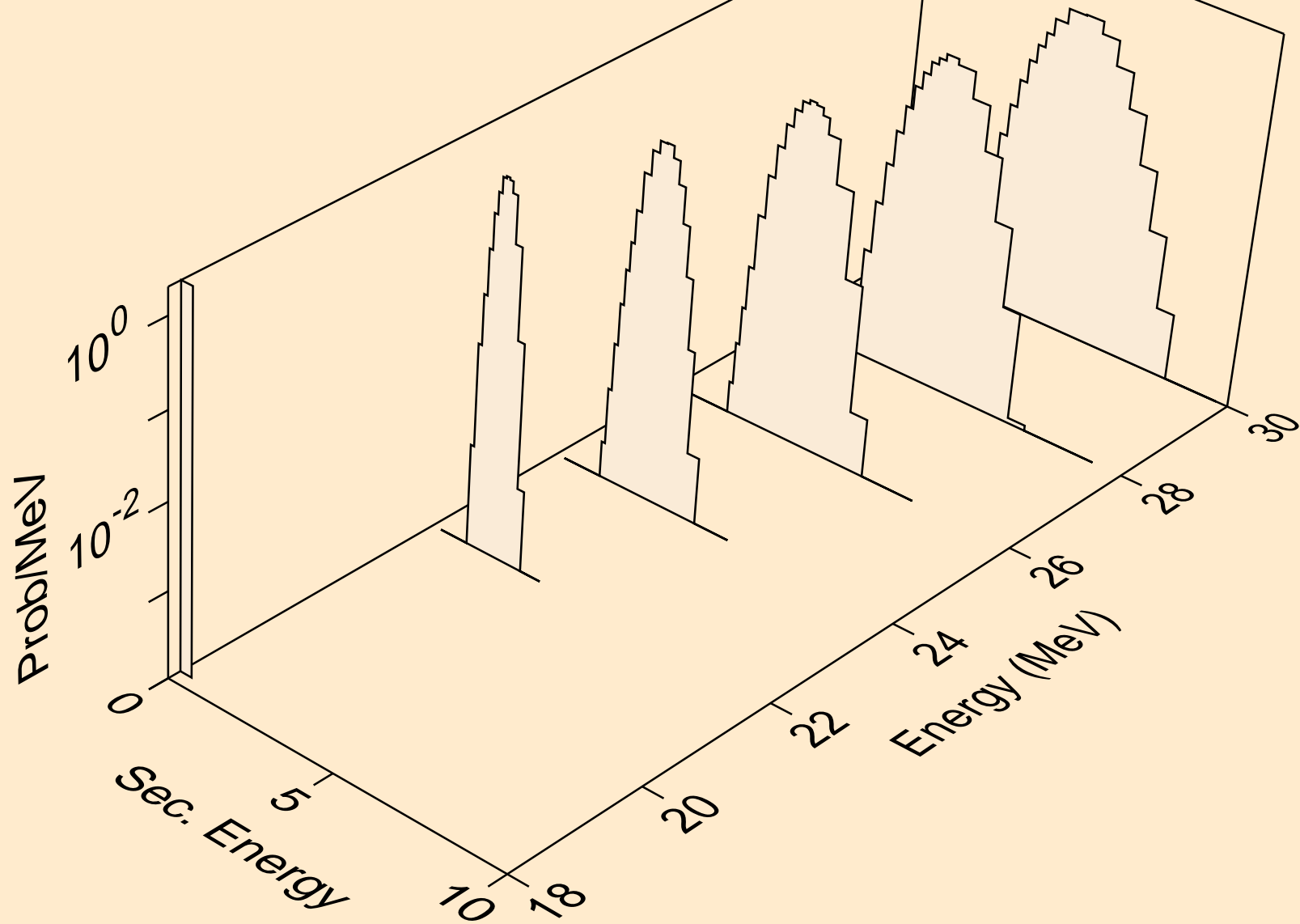
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protons from (a,n\*)p



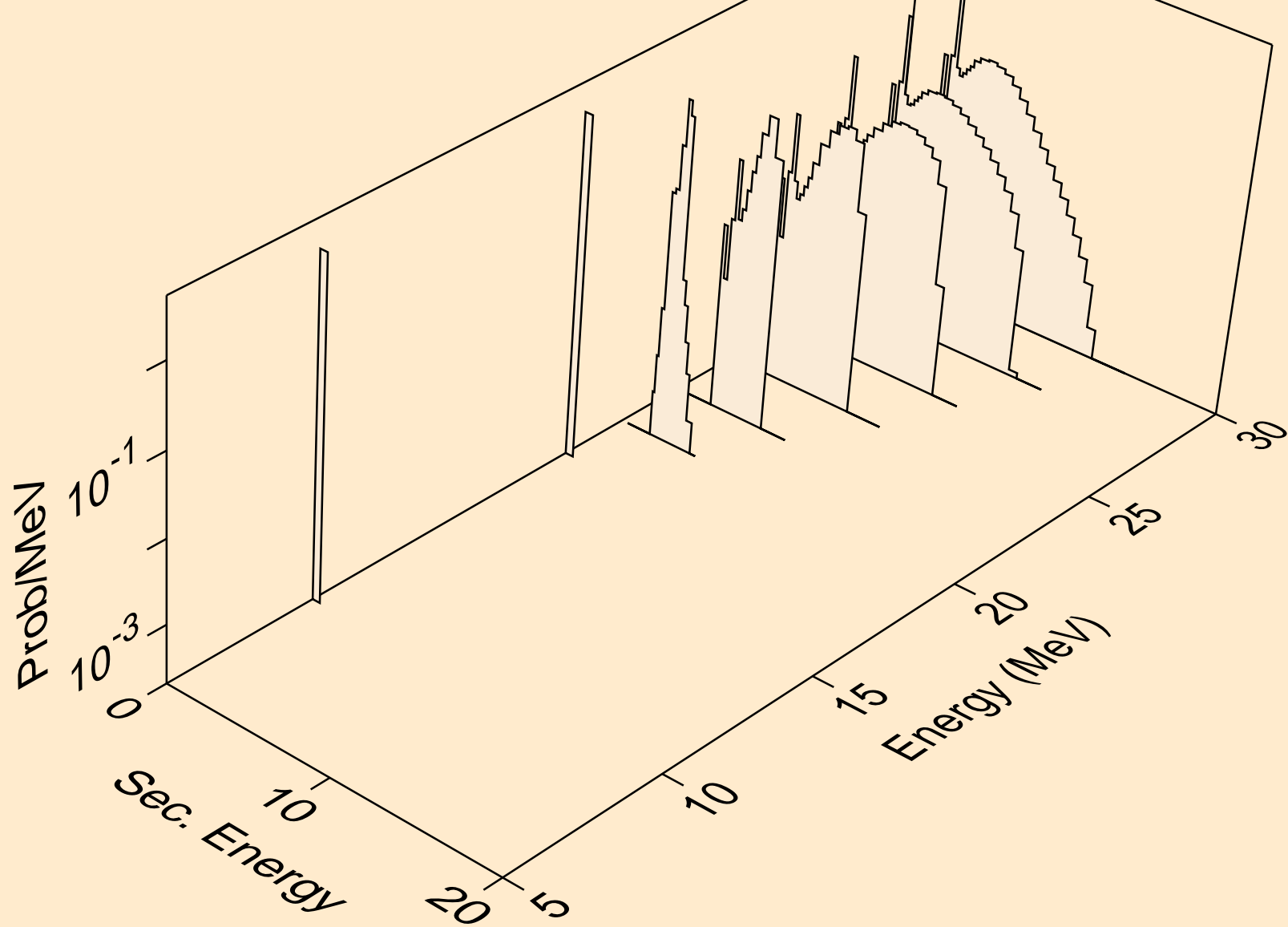
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protons from (a,2np)



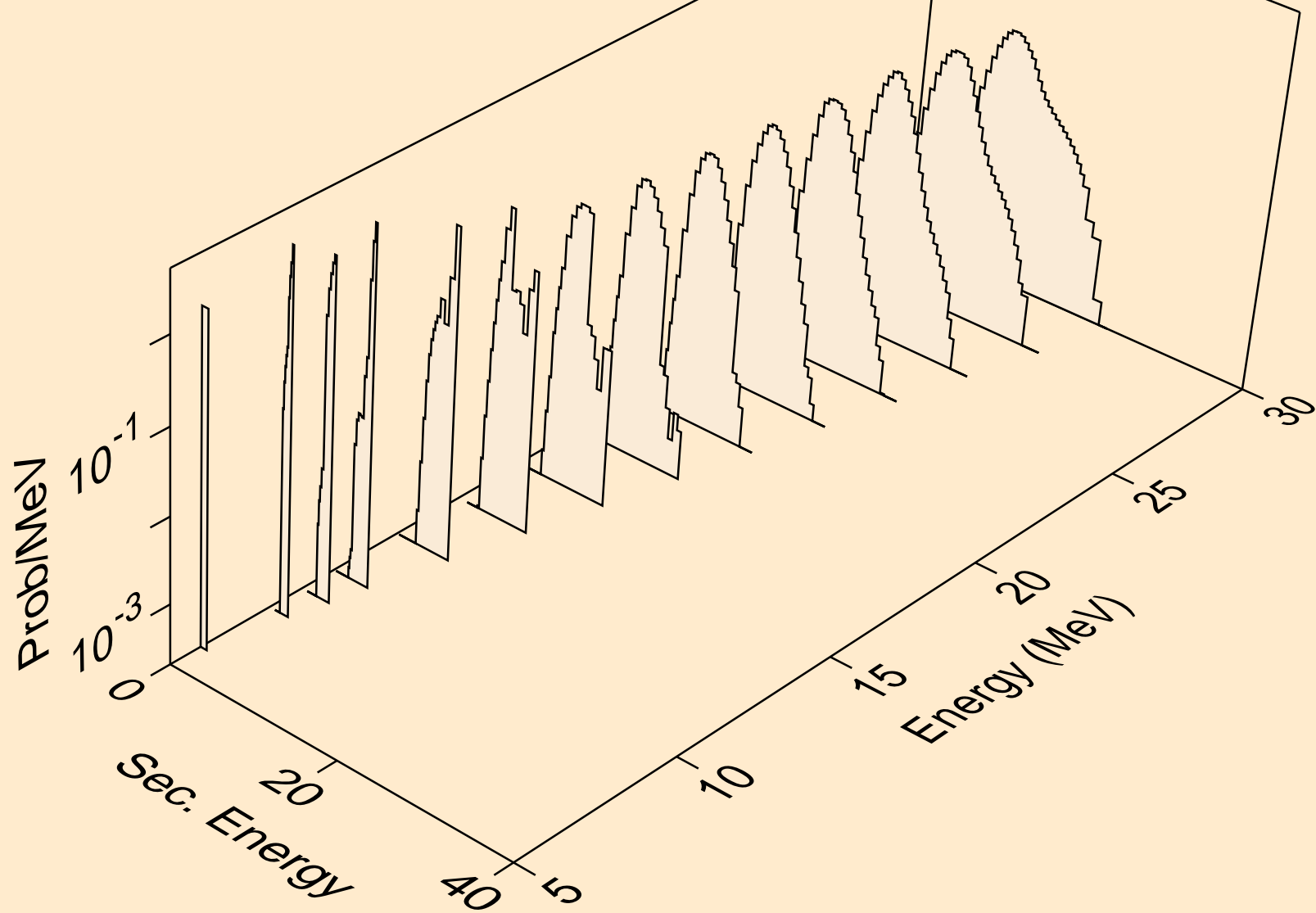
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protons from (a,n2p)



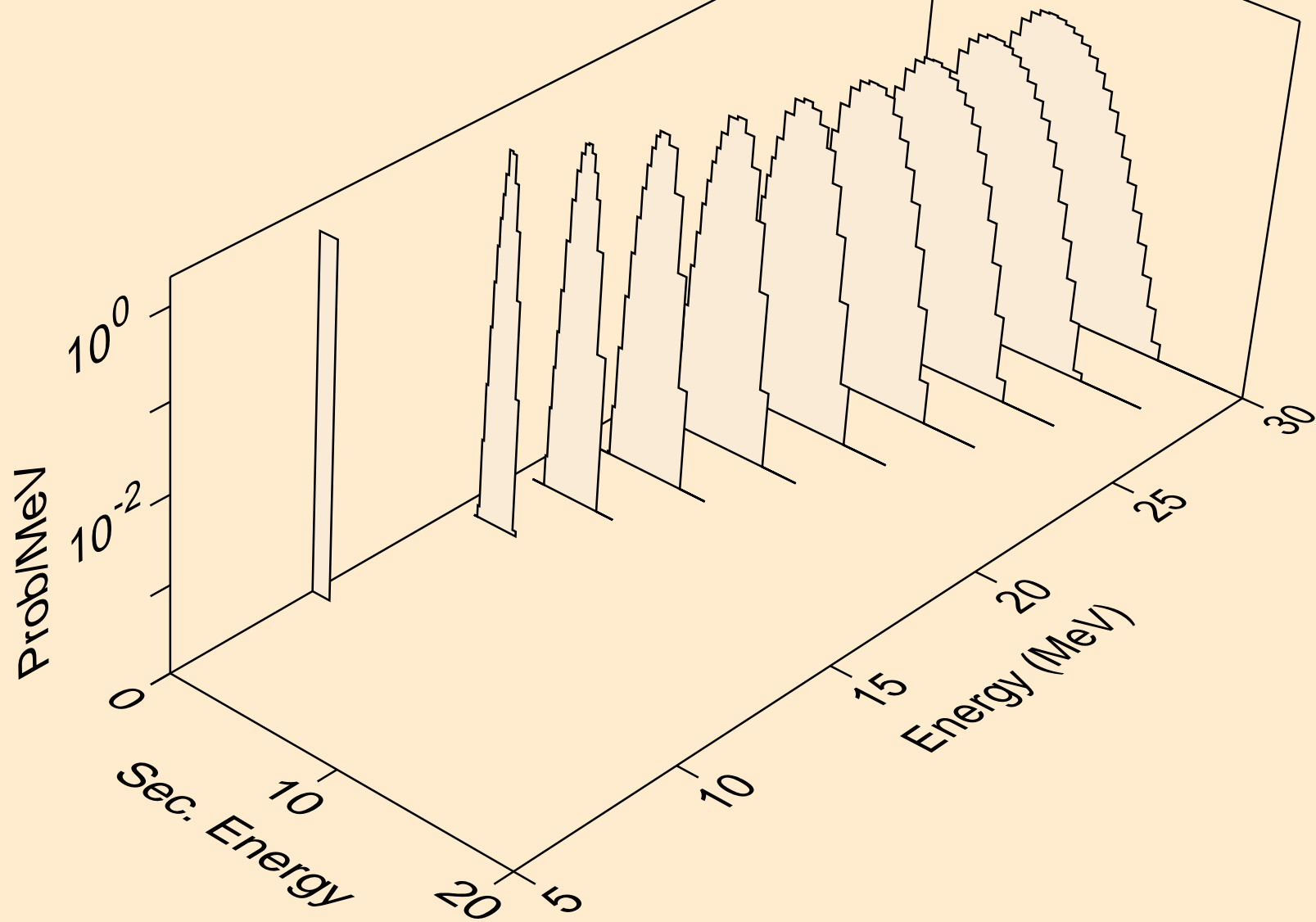
LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,npa)



LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,p)

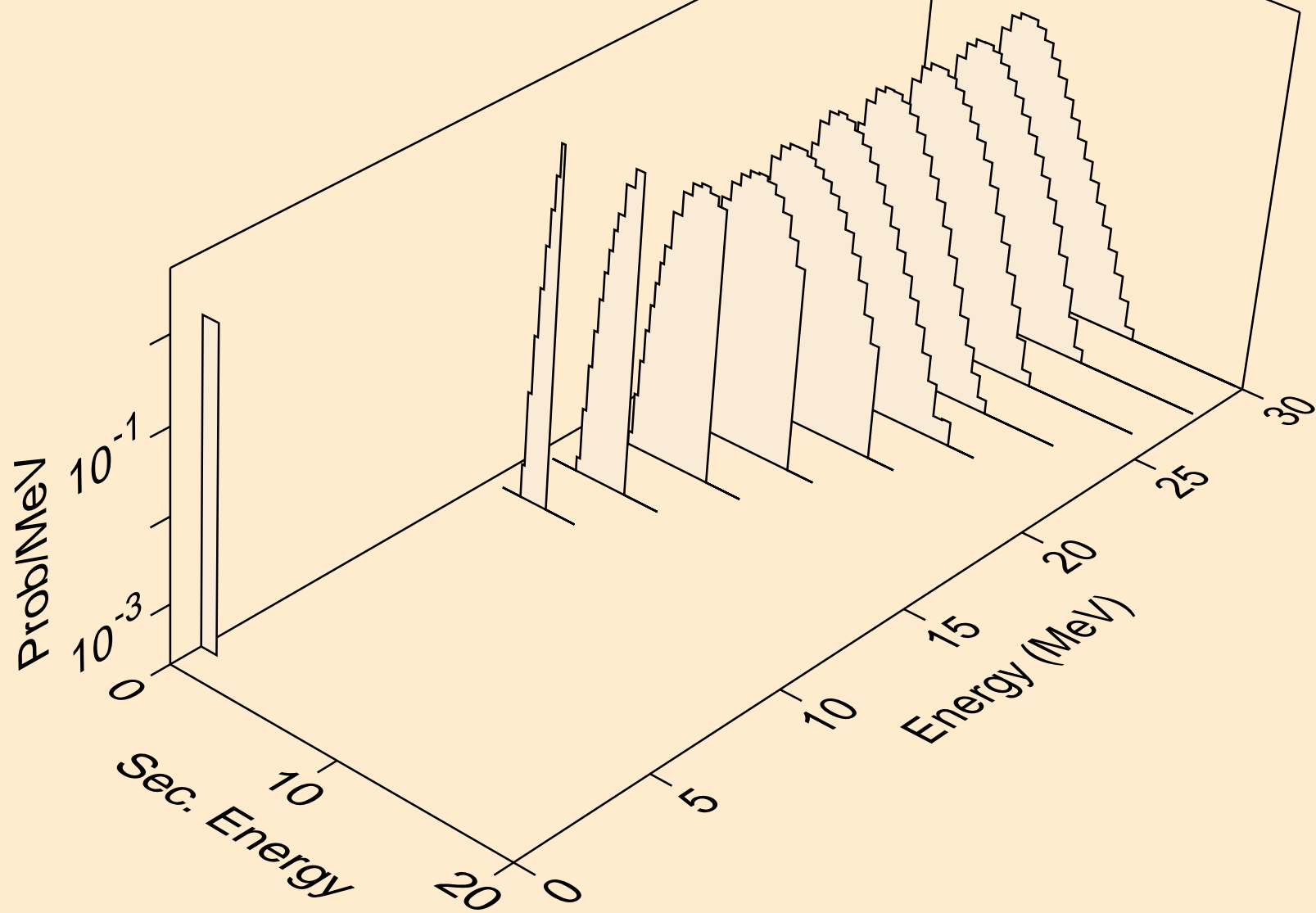


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protons from (a,2p)

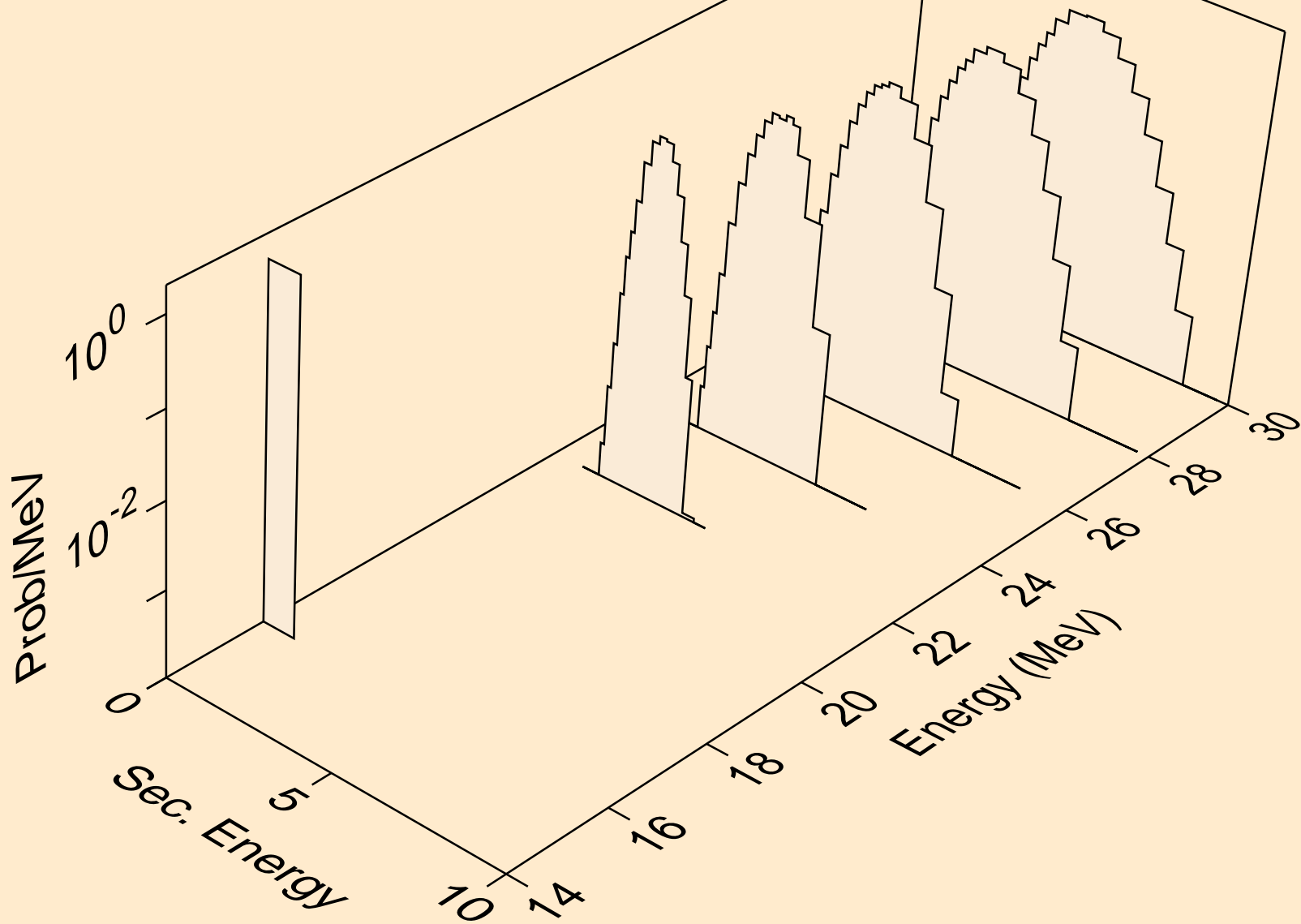




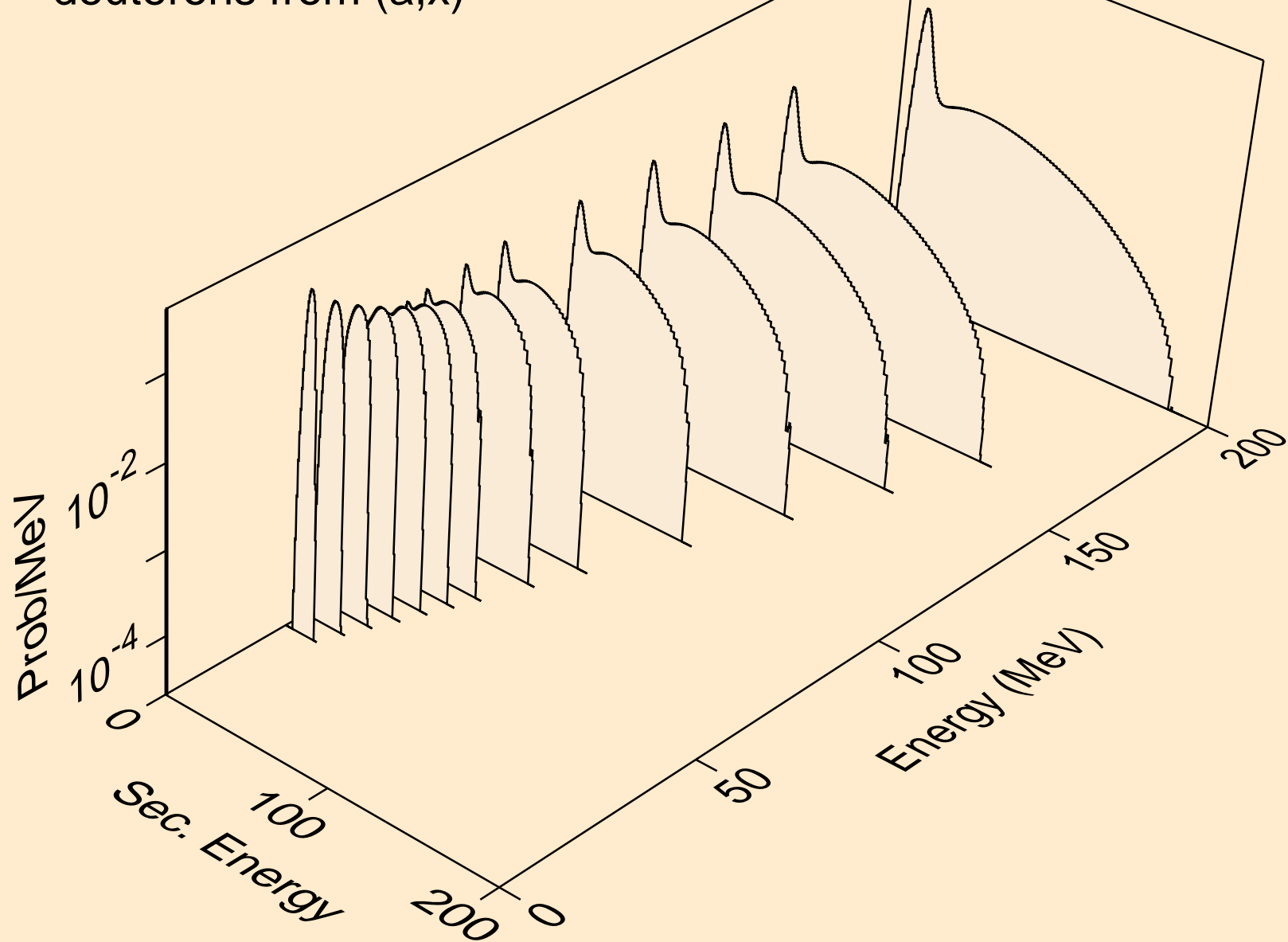
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protons from (a,pa)



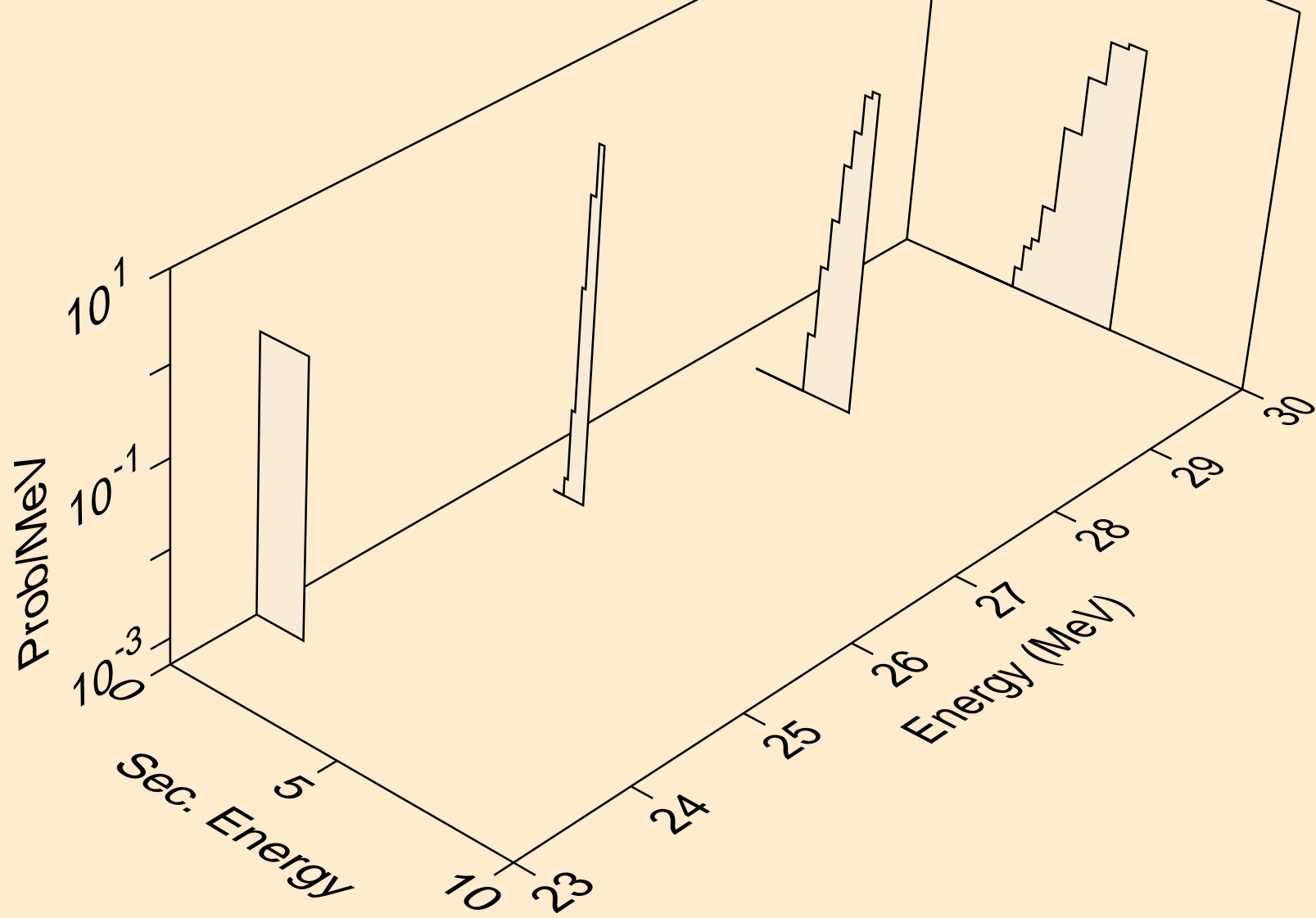
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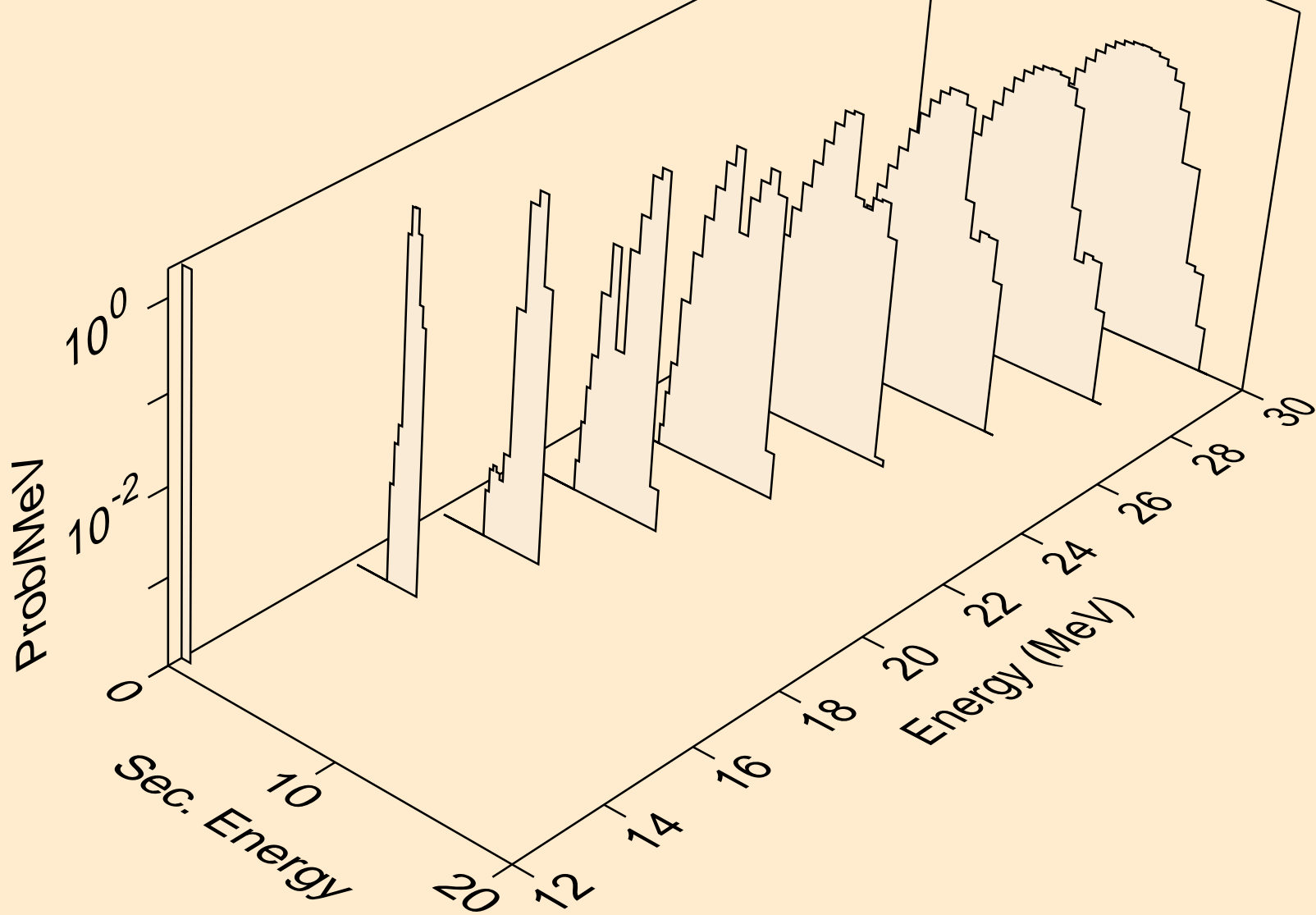
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deuterons from (a,x)



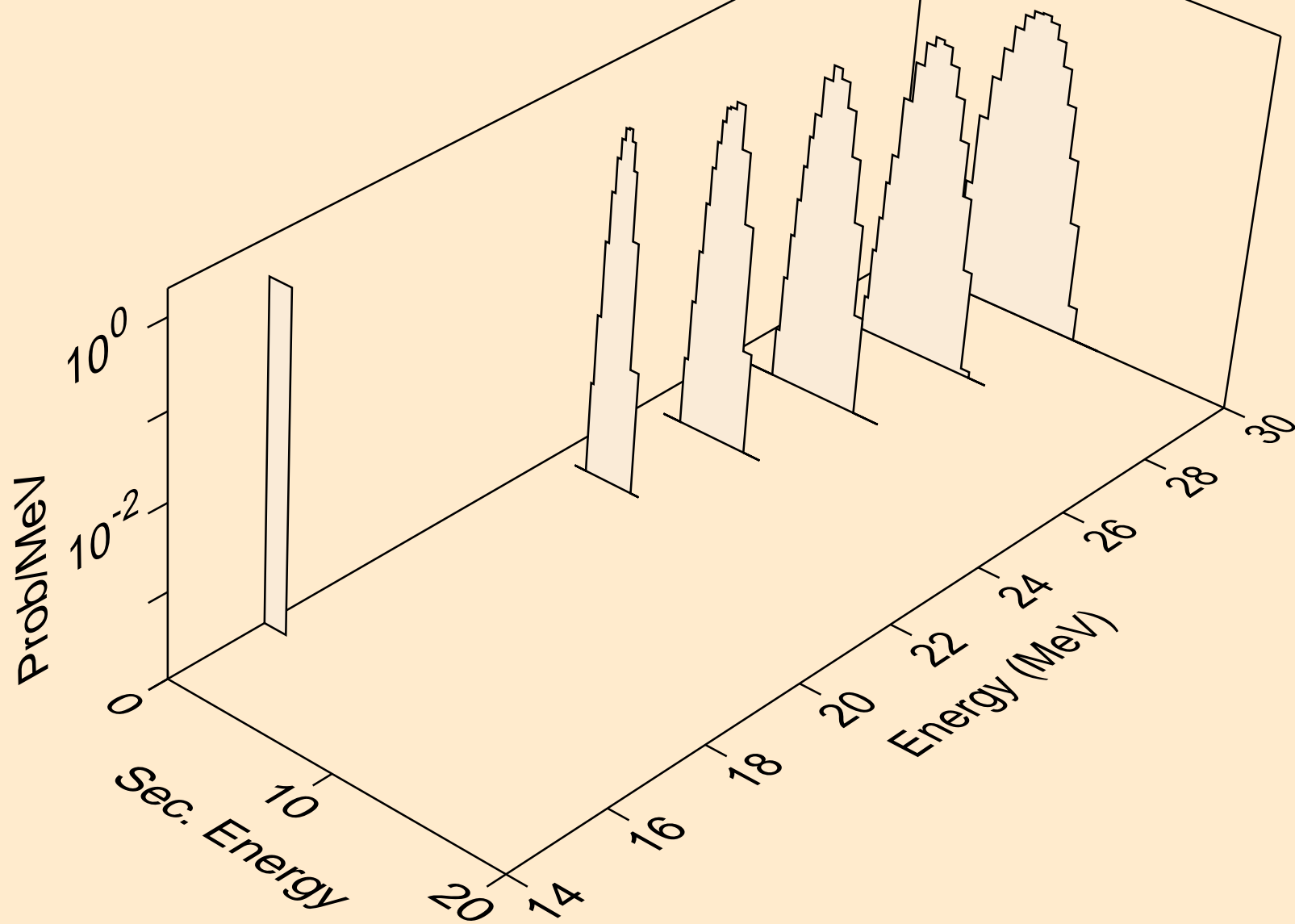
LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,n\*)d



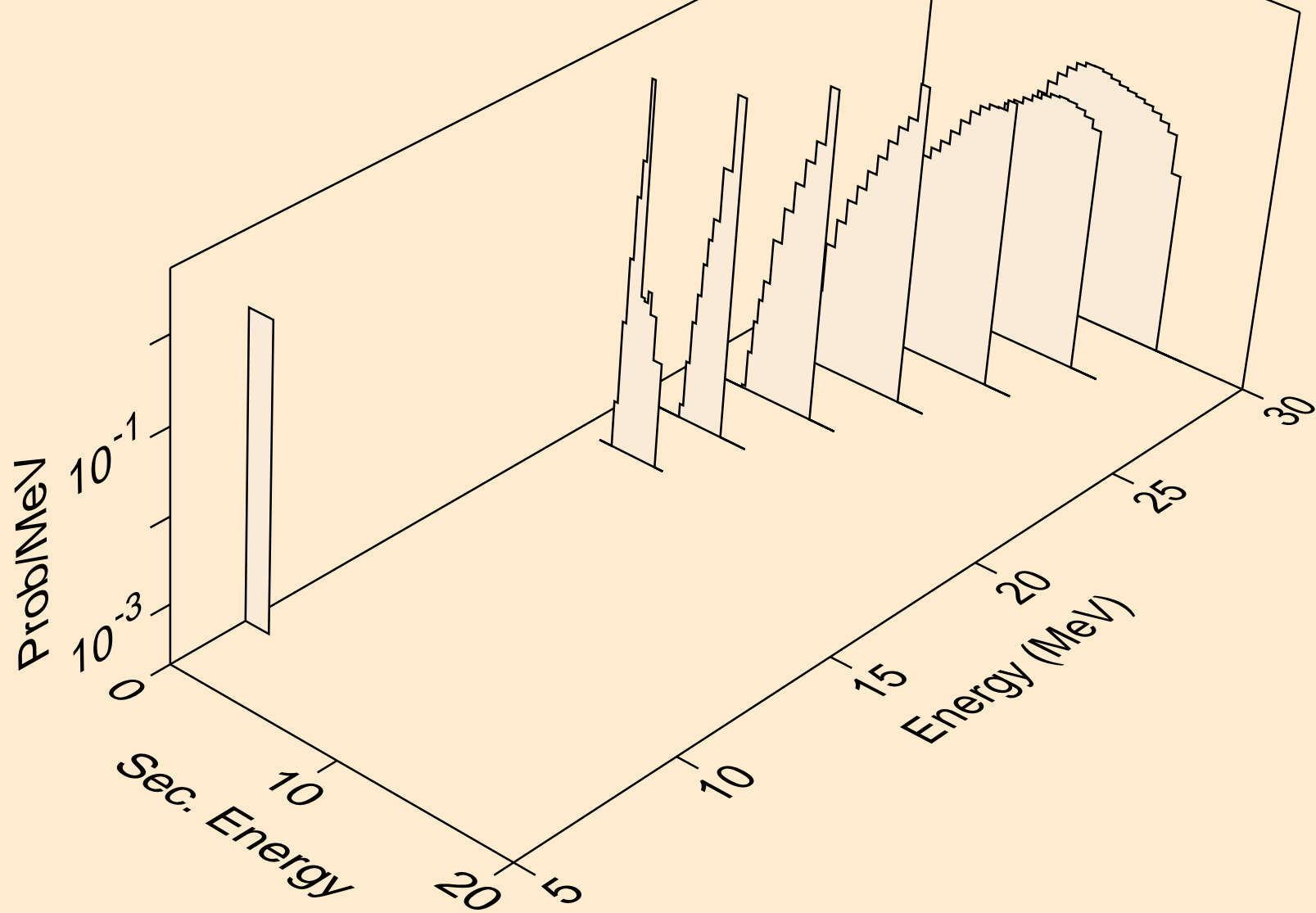
LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,d)



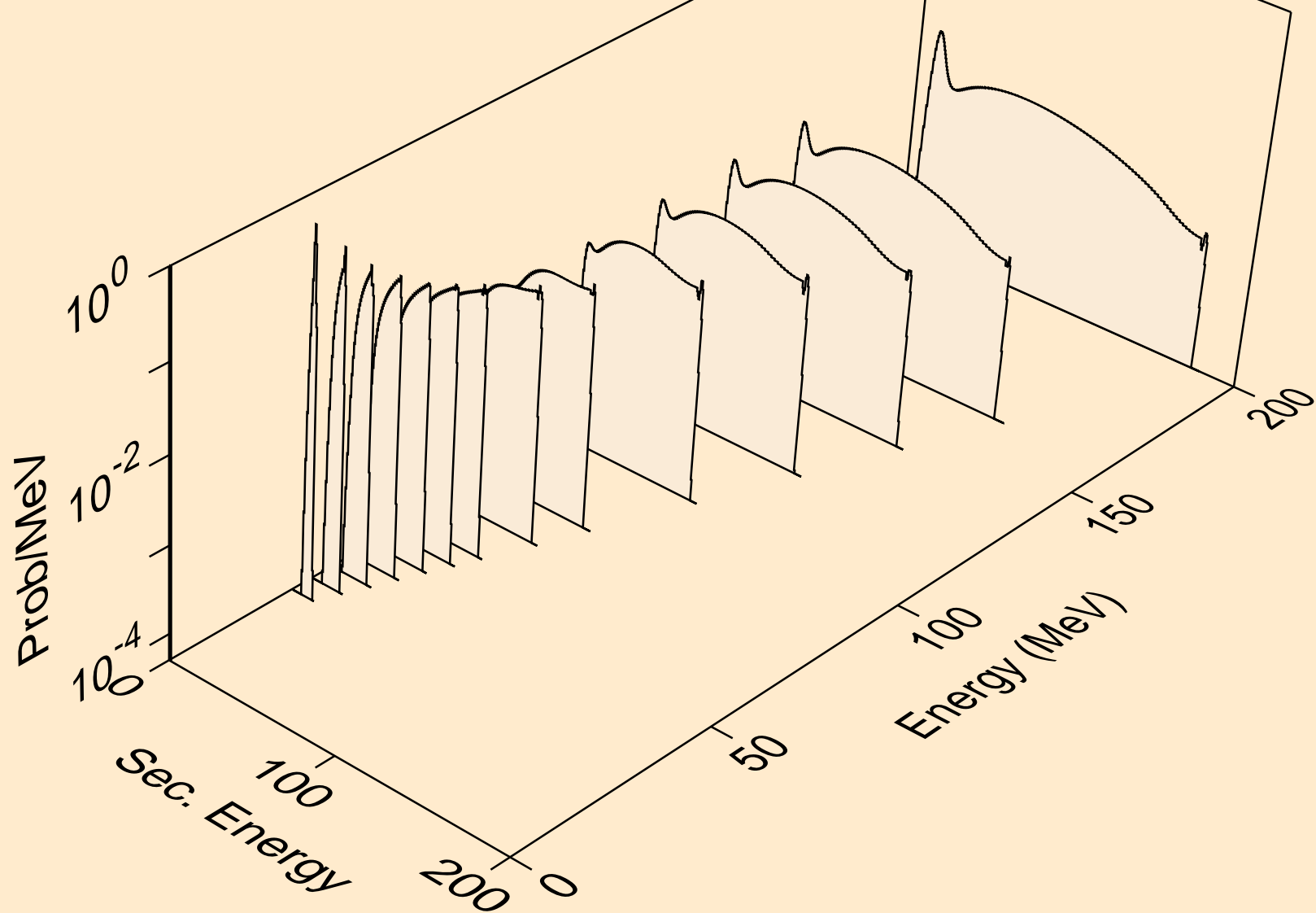
LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,pd)



LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,da)

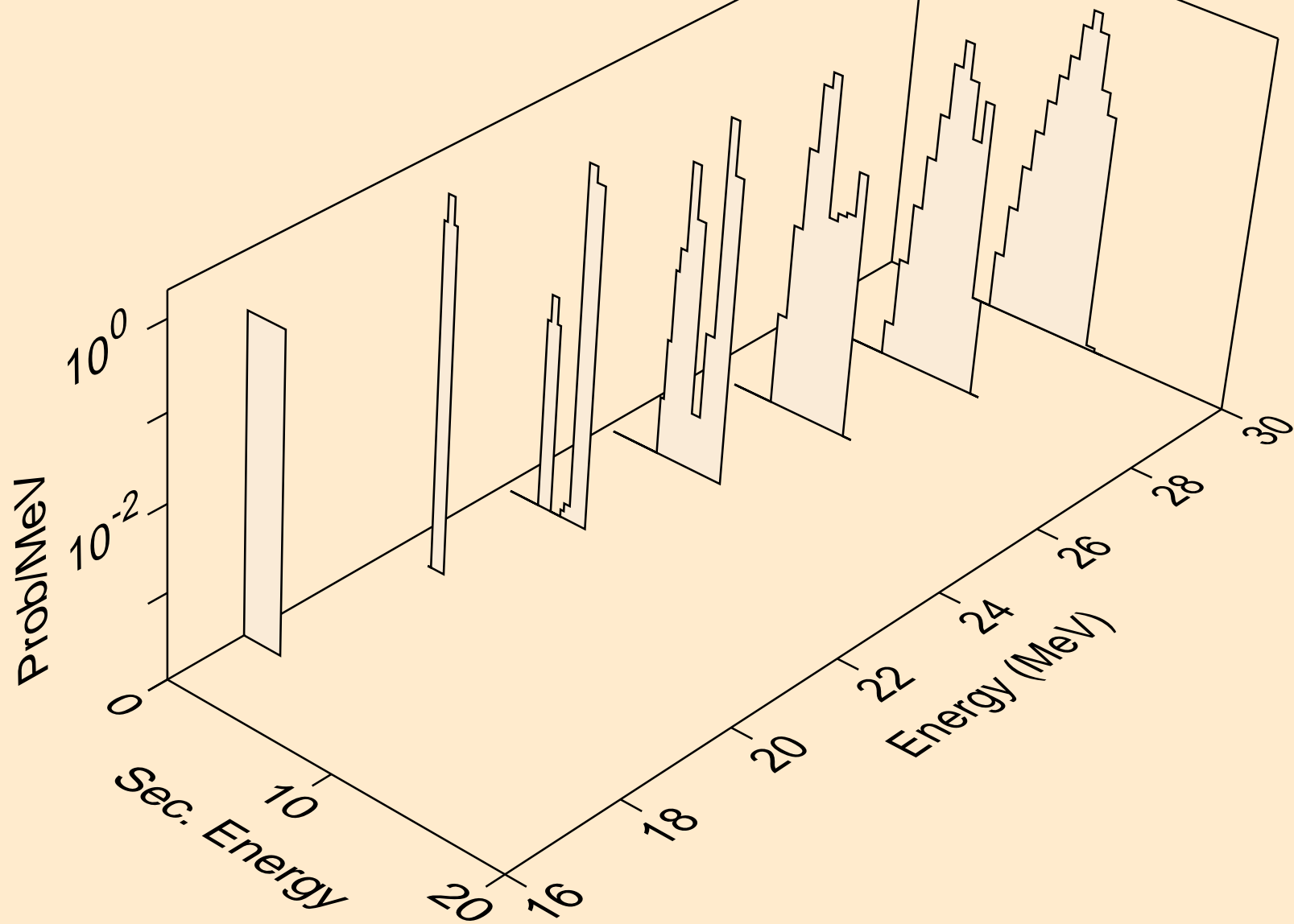


LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,x)

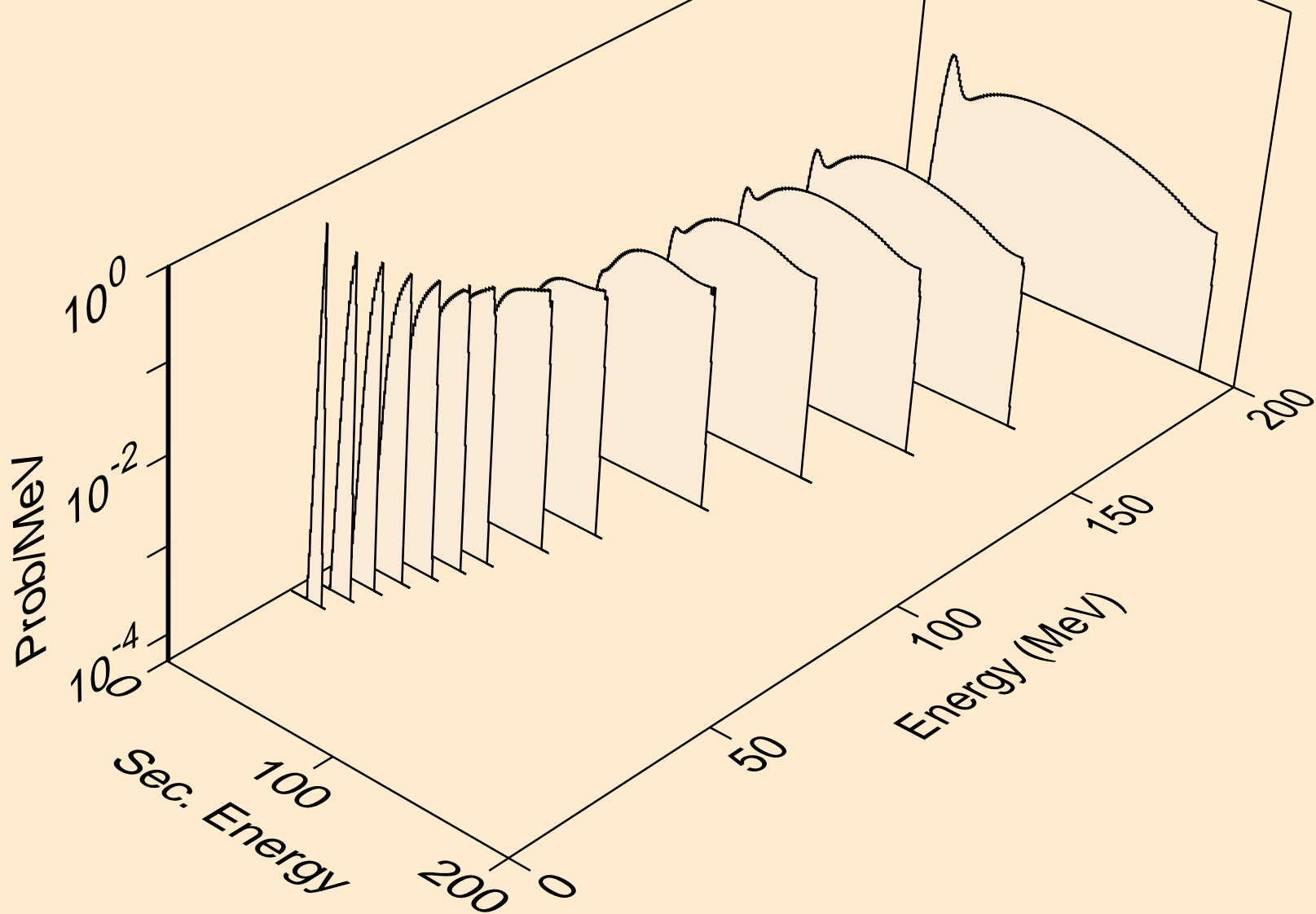




LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,t)



LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,x)



LU158 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,he3)

