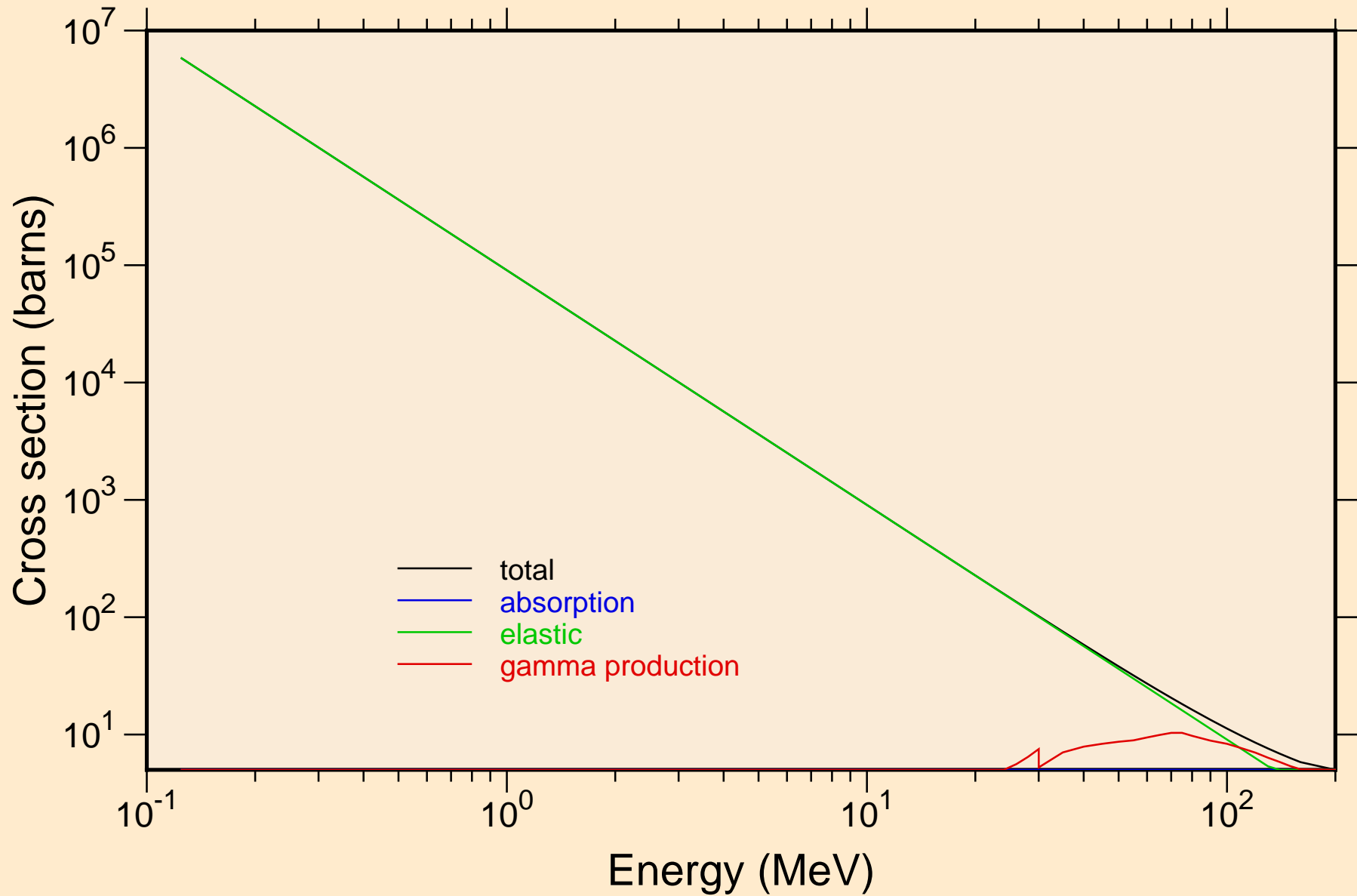
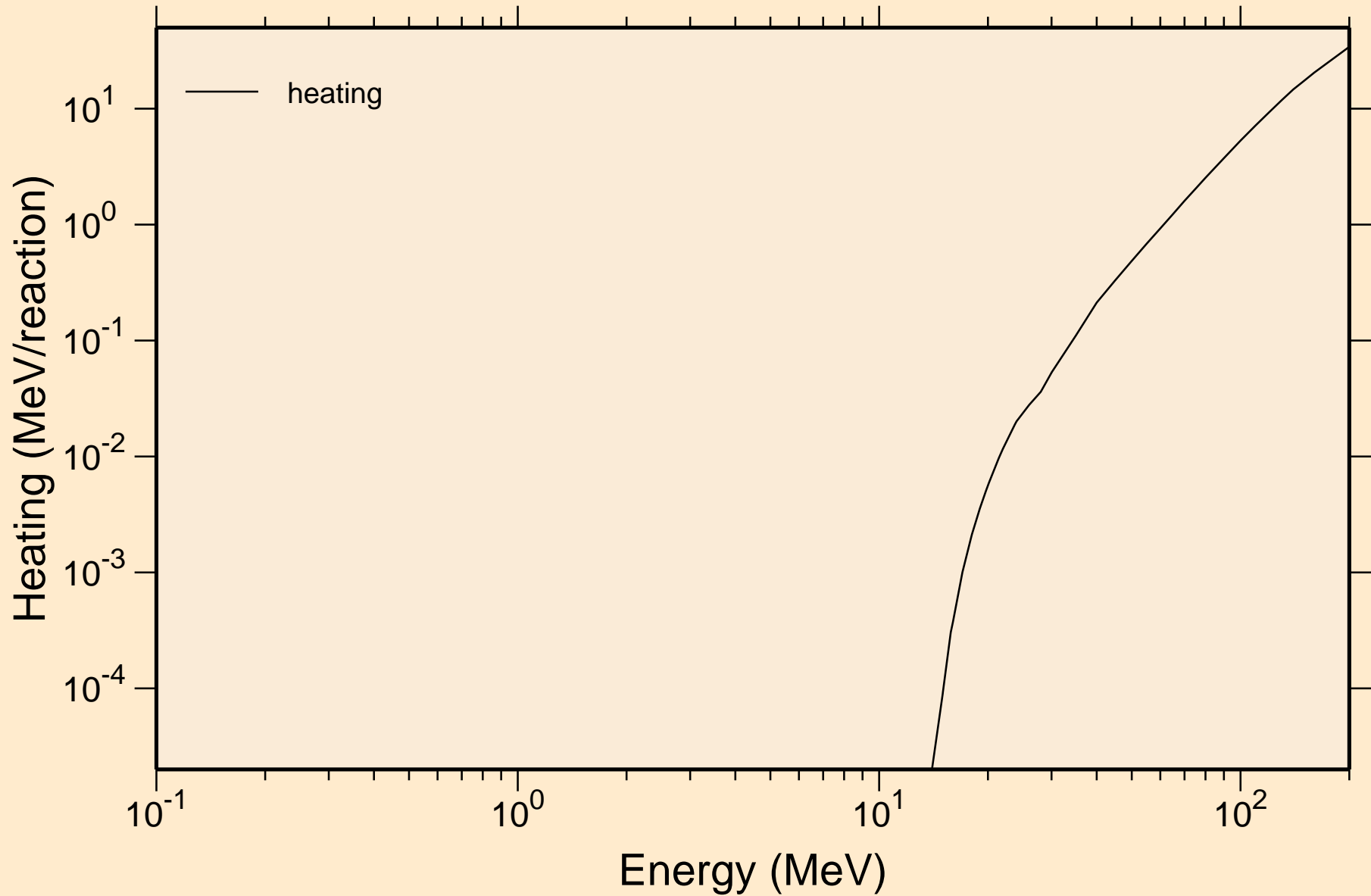


PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



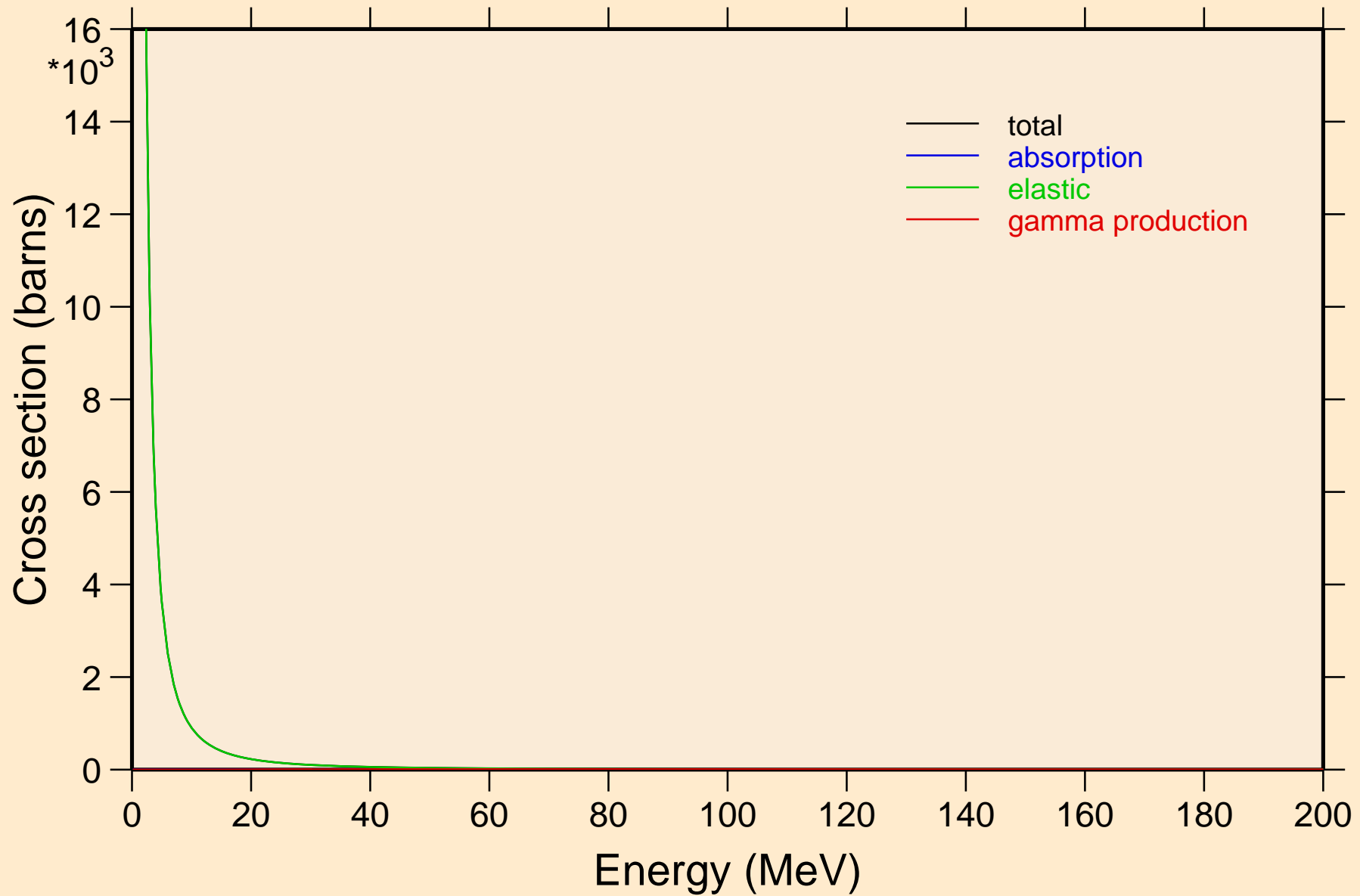
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Heating



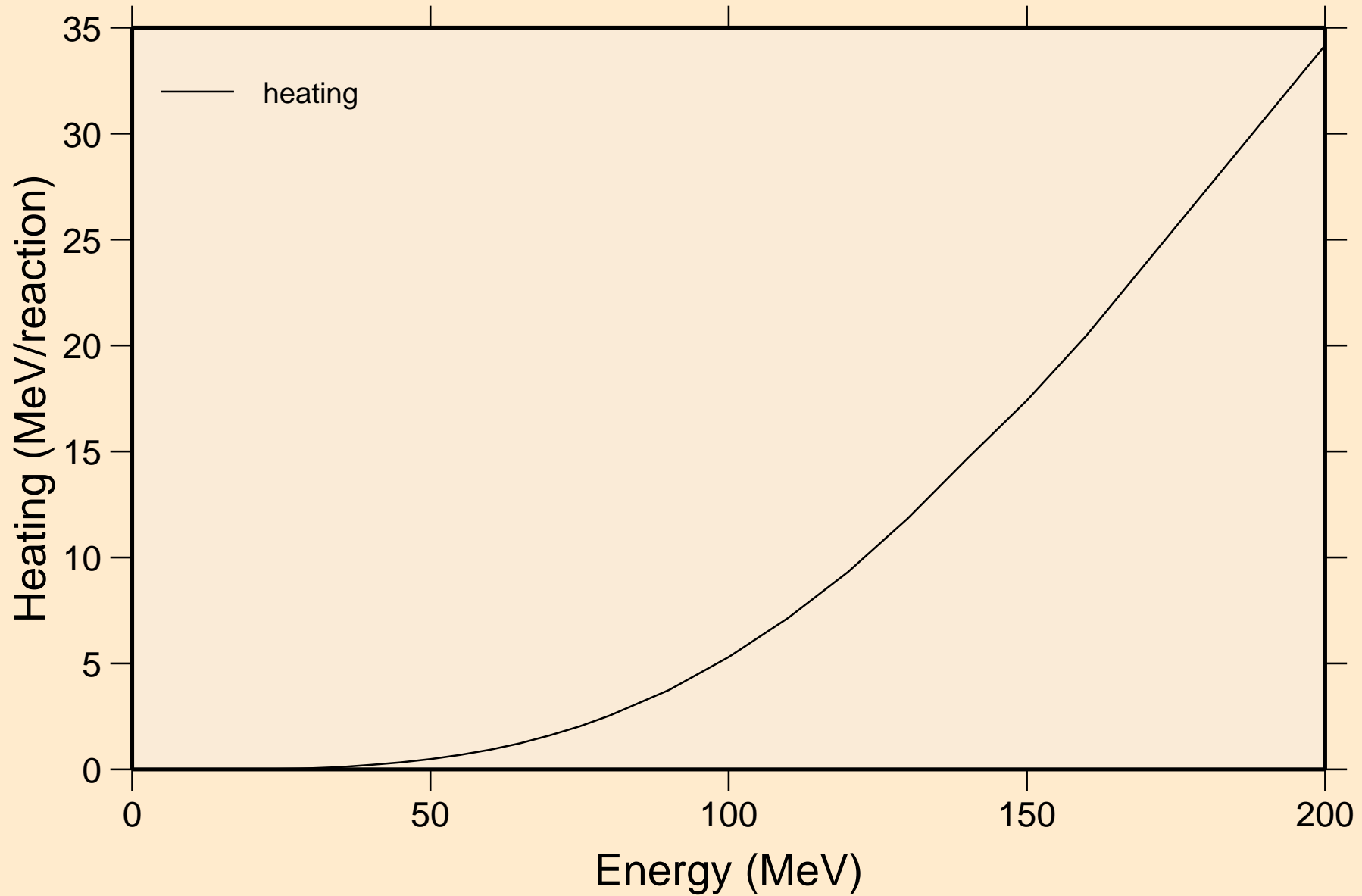
# PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

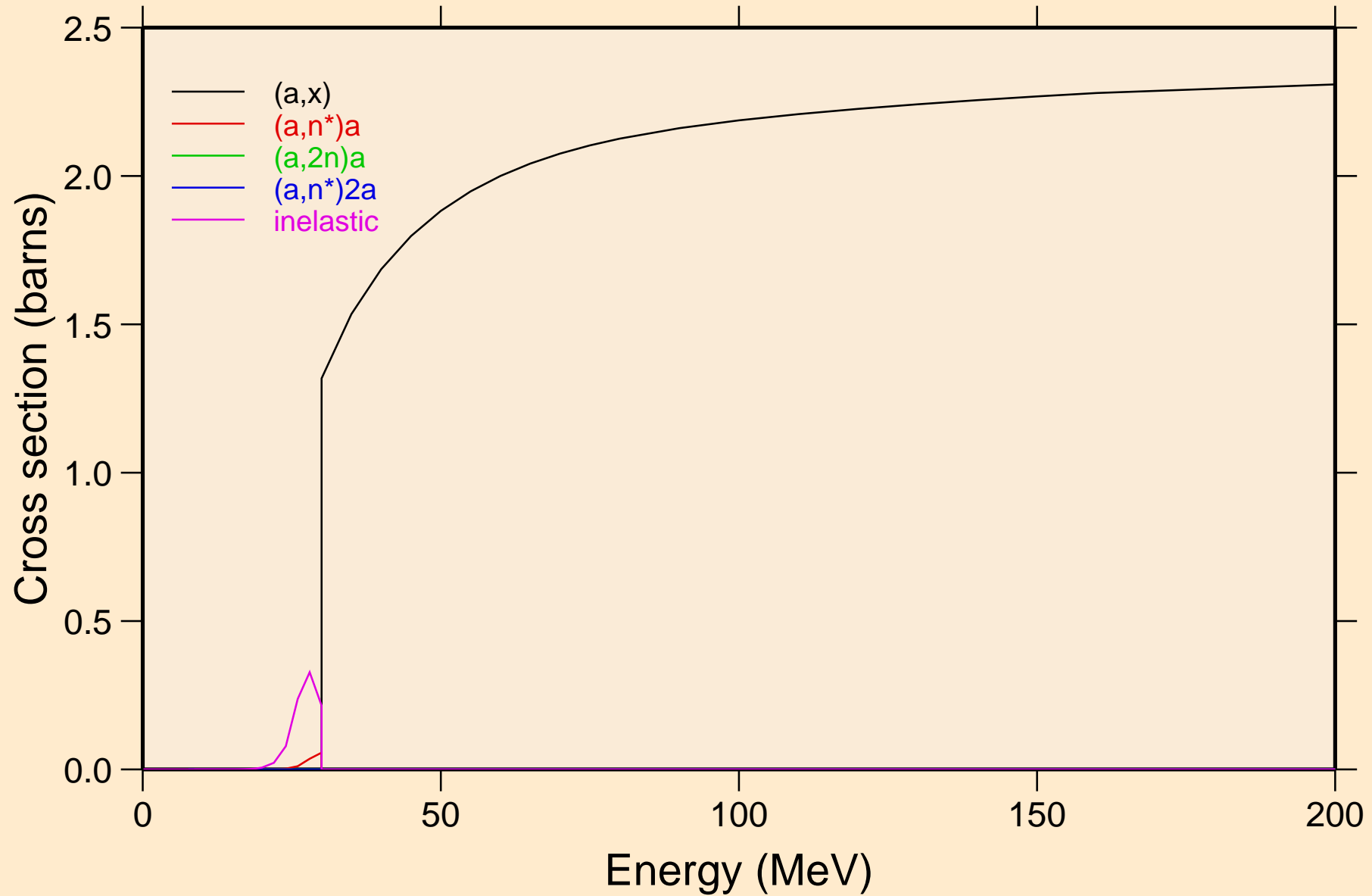


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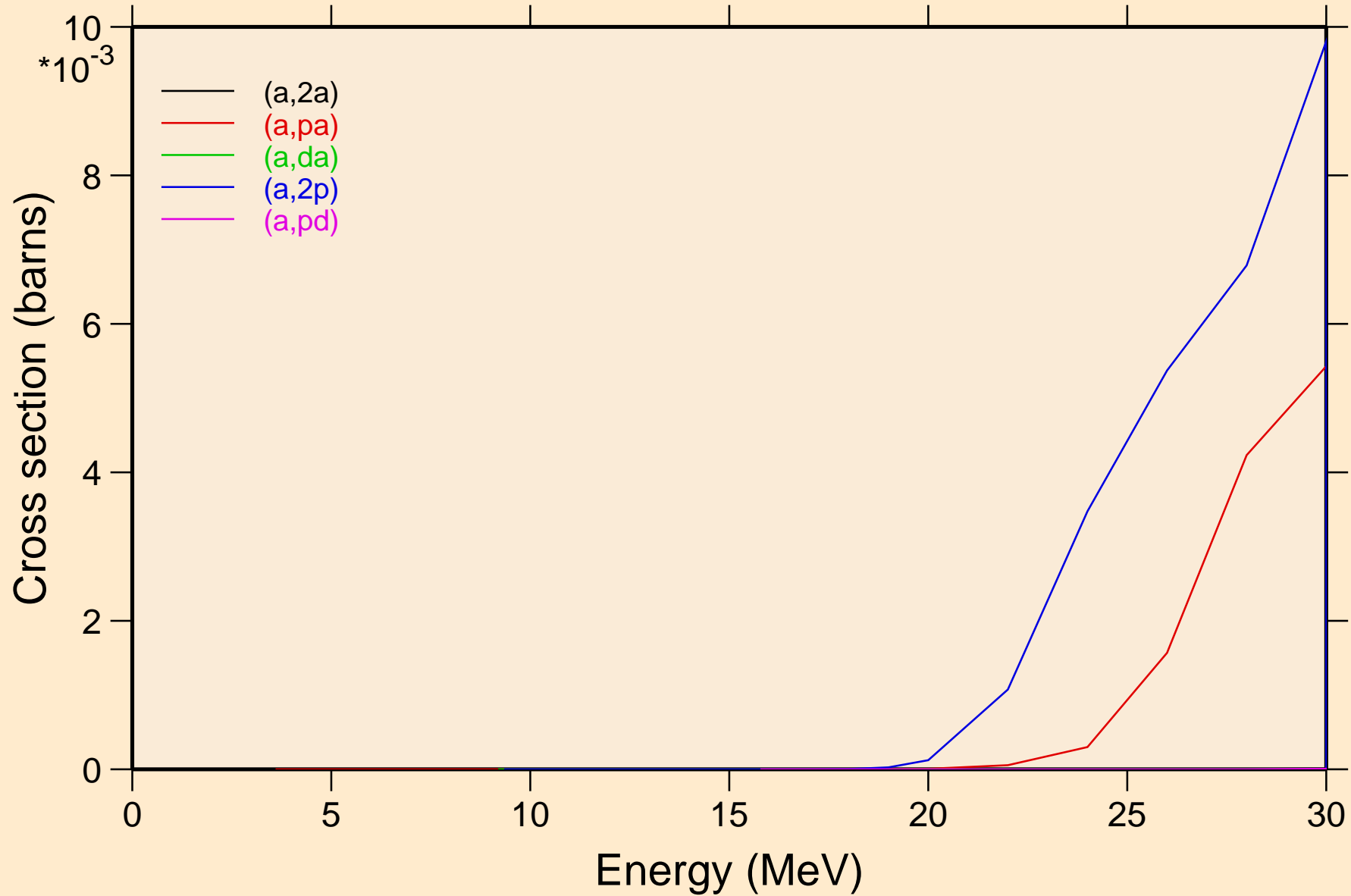
Heating



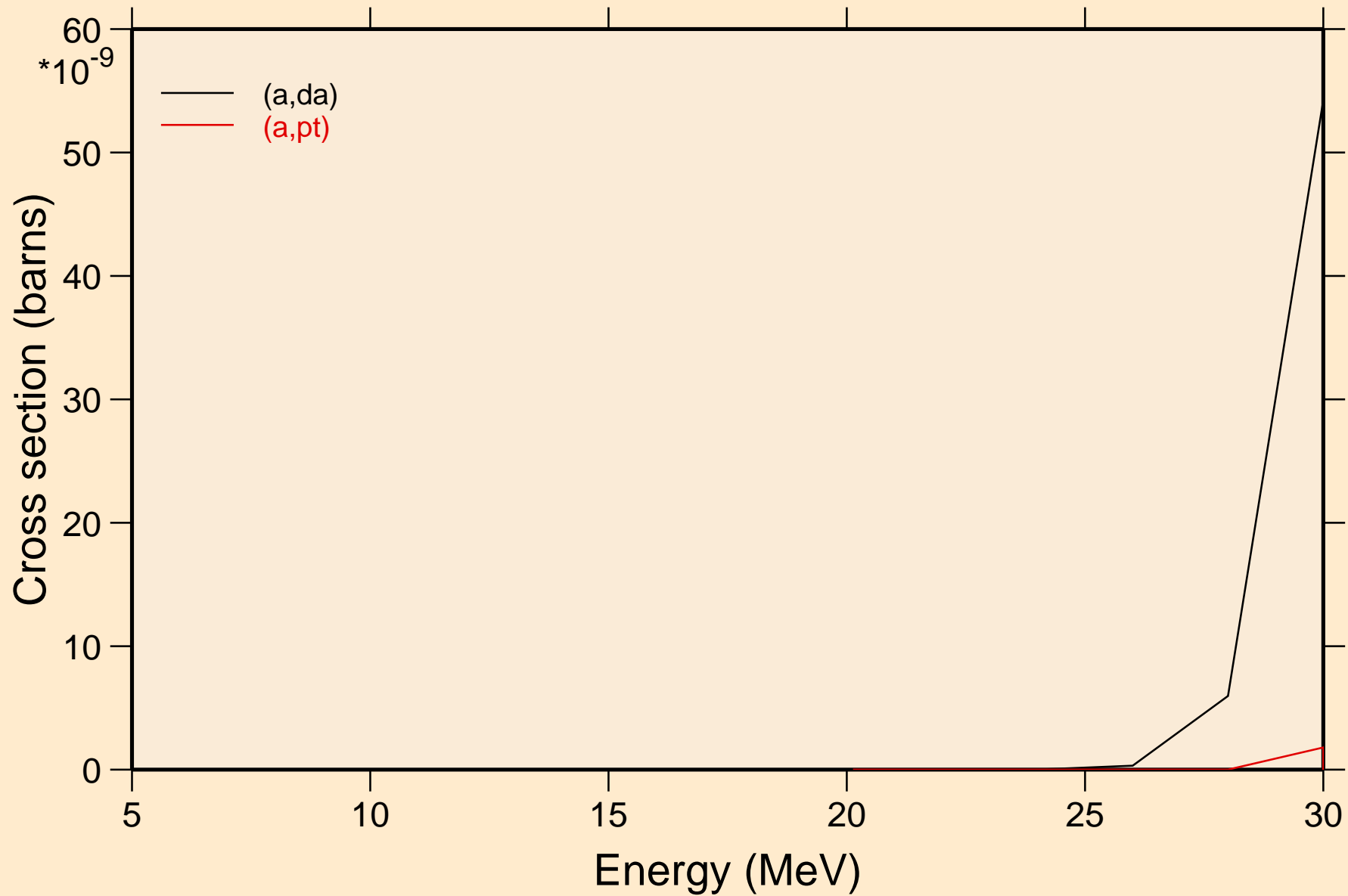
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Threshold reactions



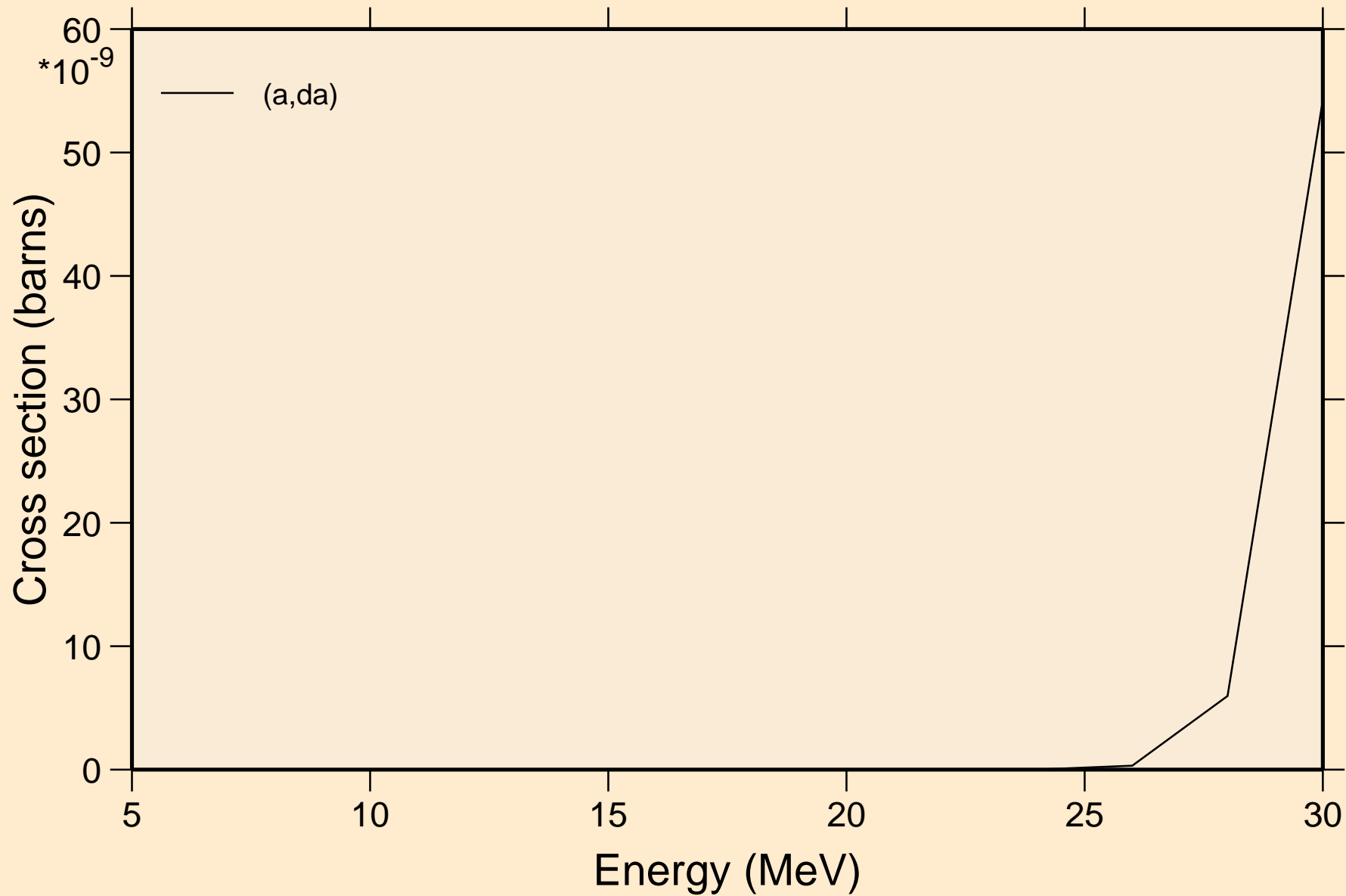
PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

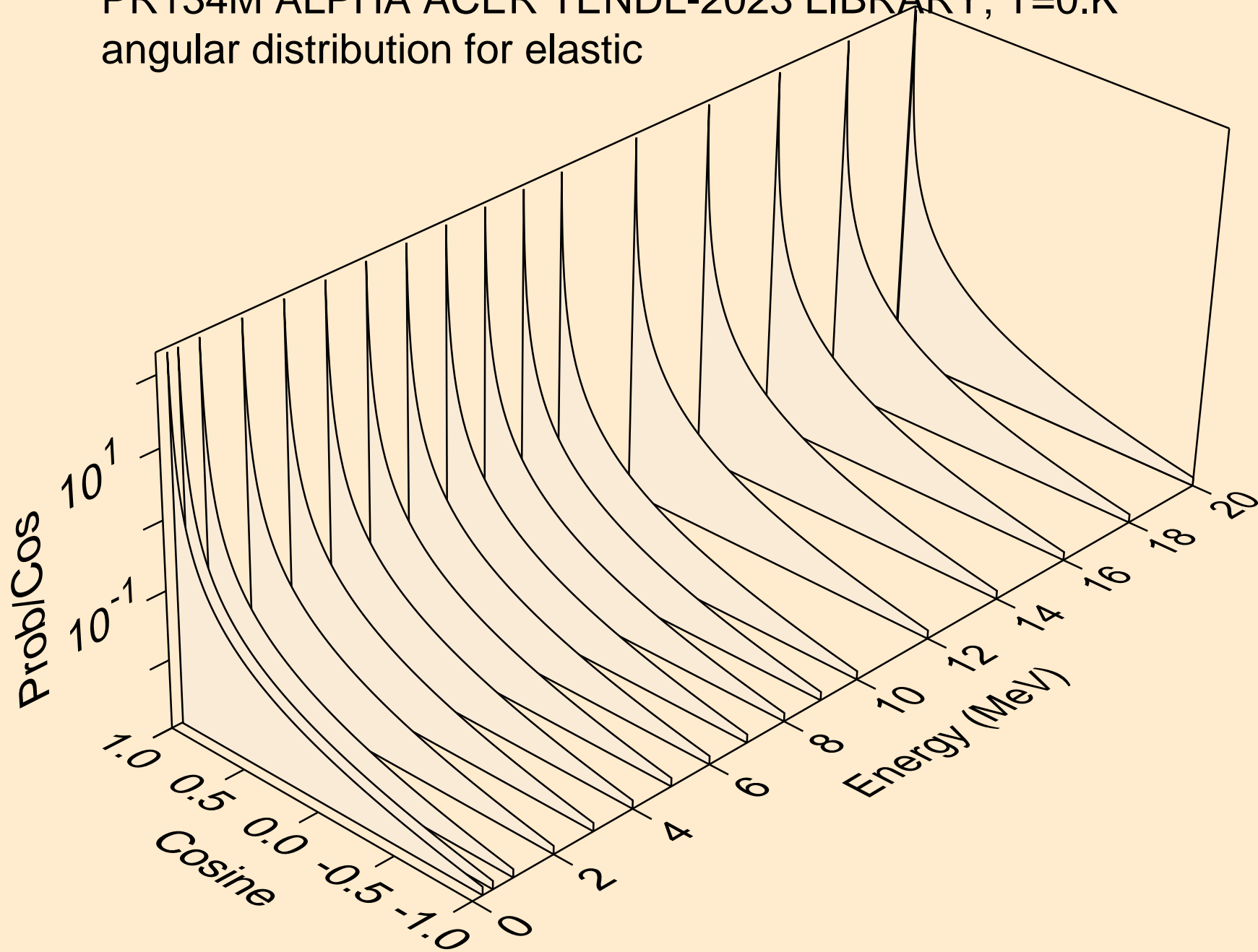


PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

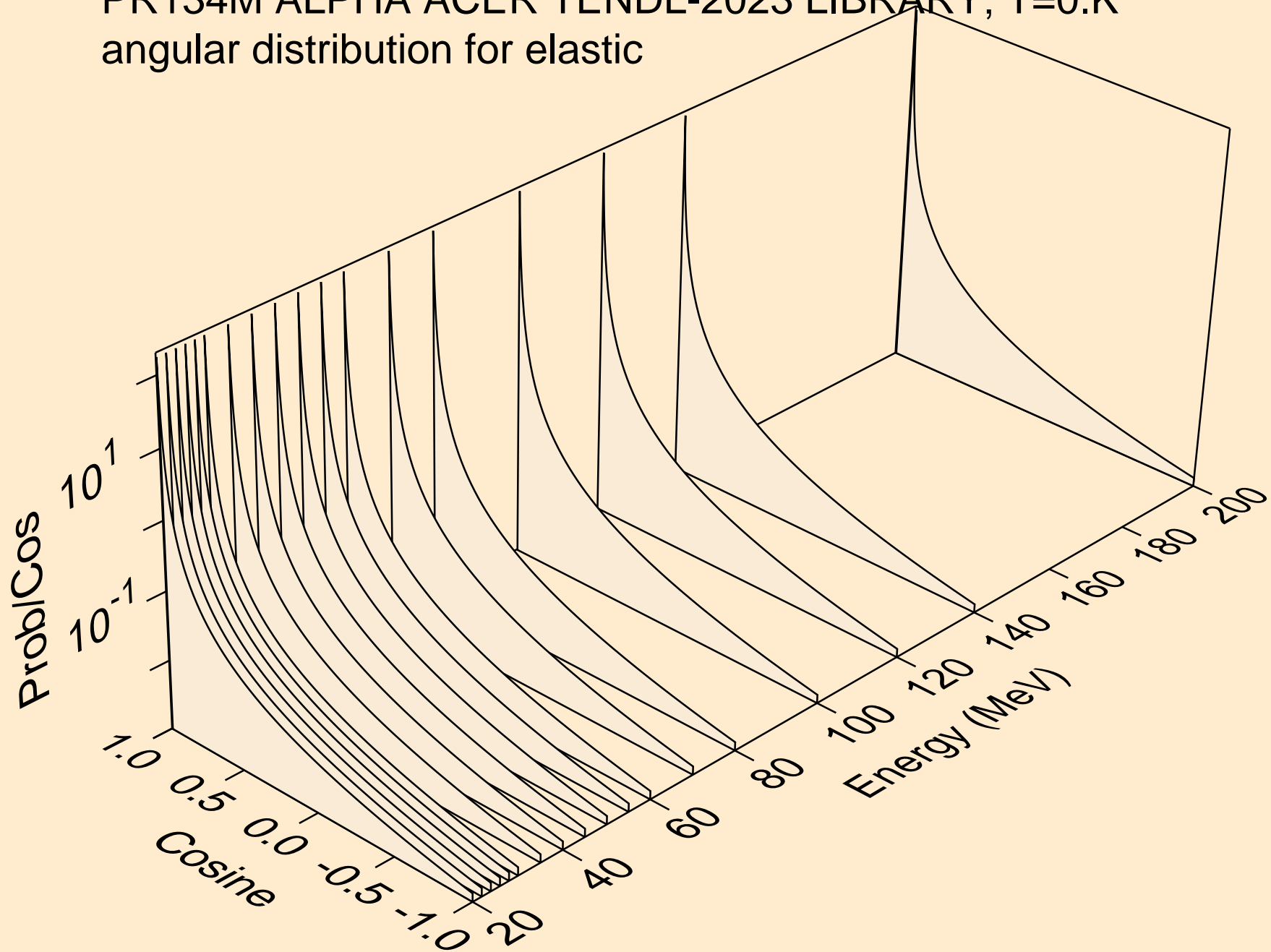




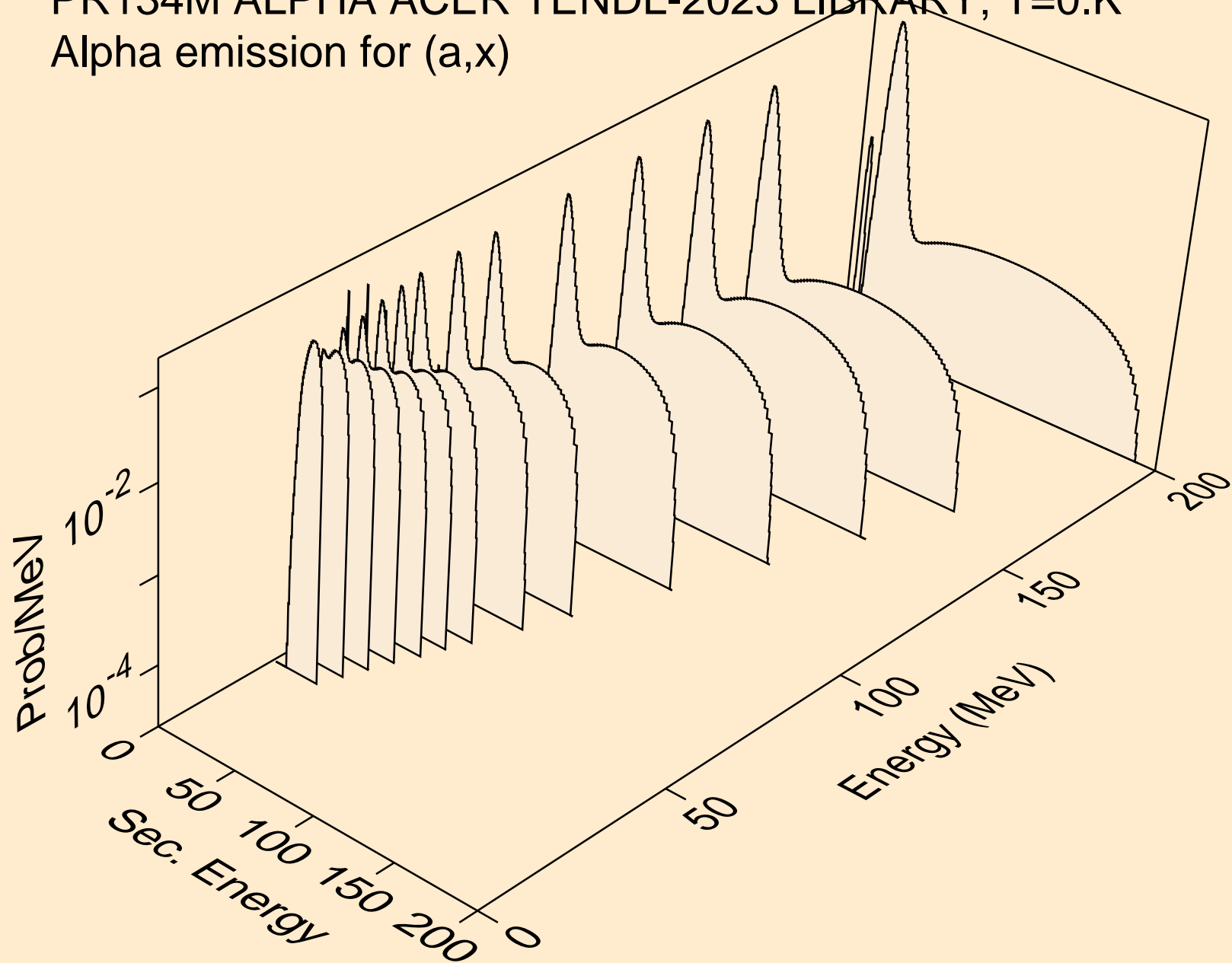
PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



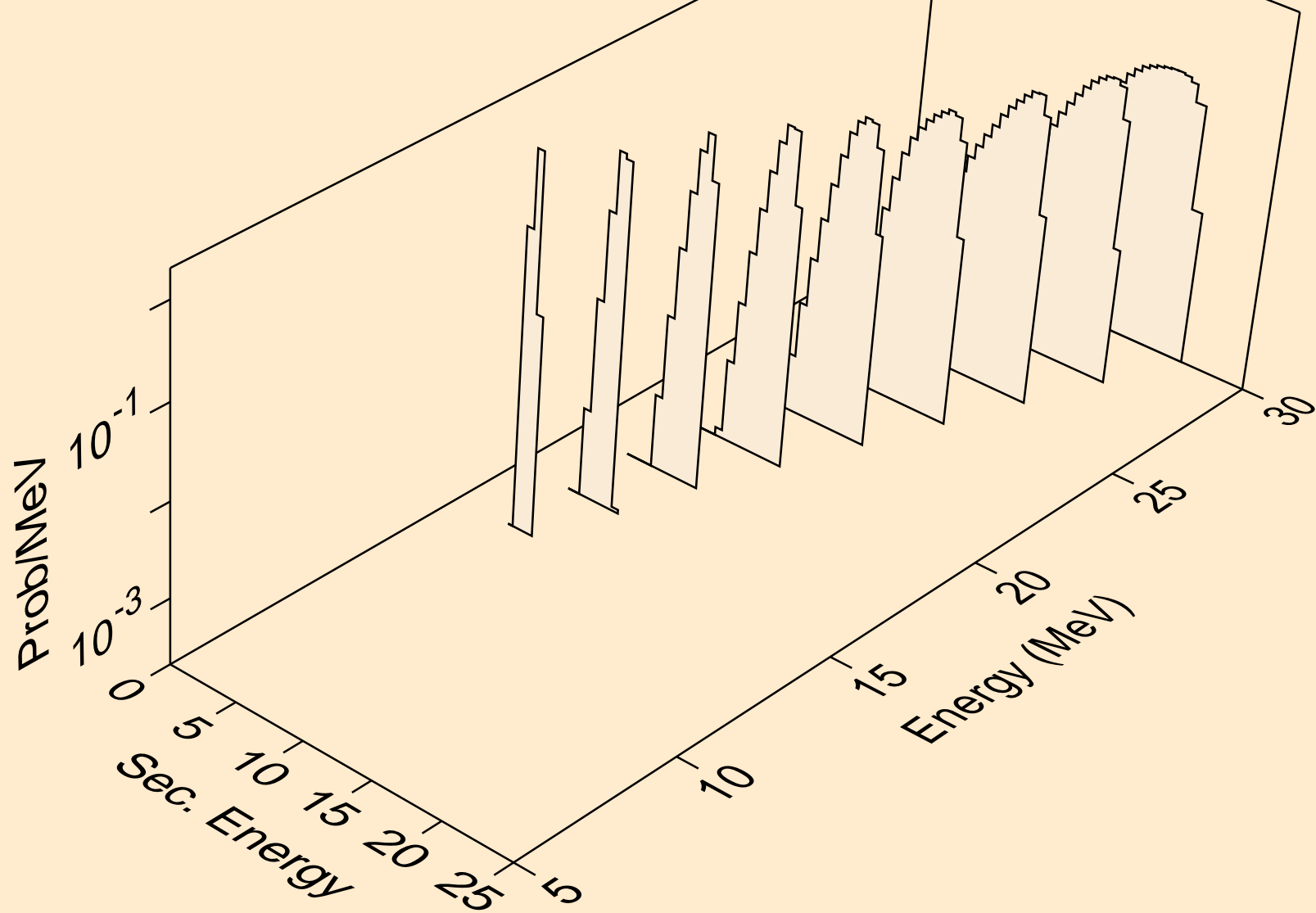
PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



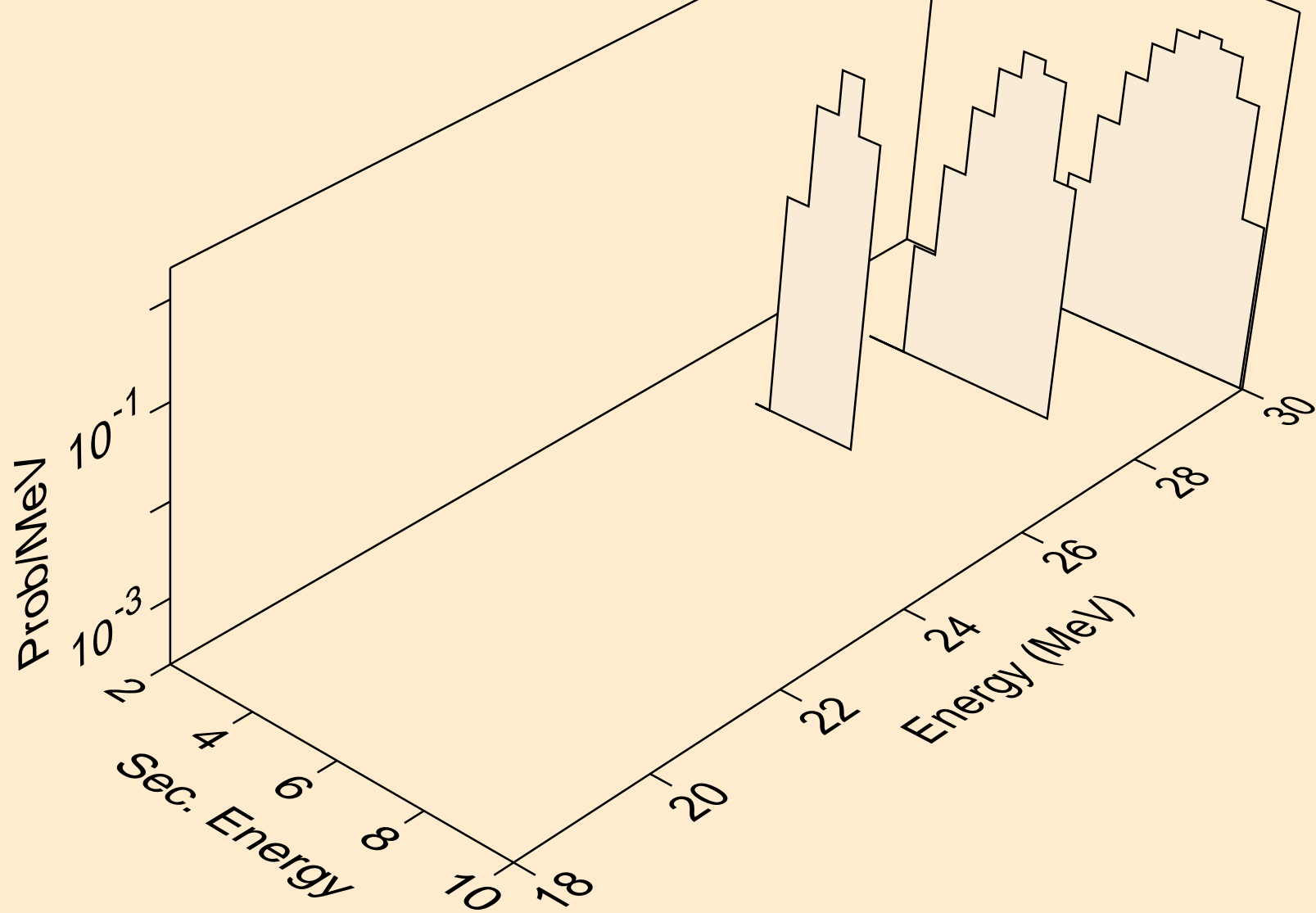
PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,x)



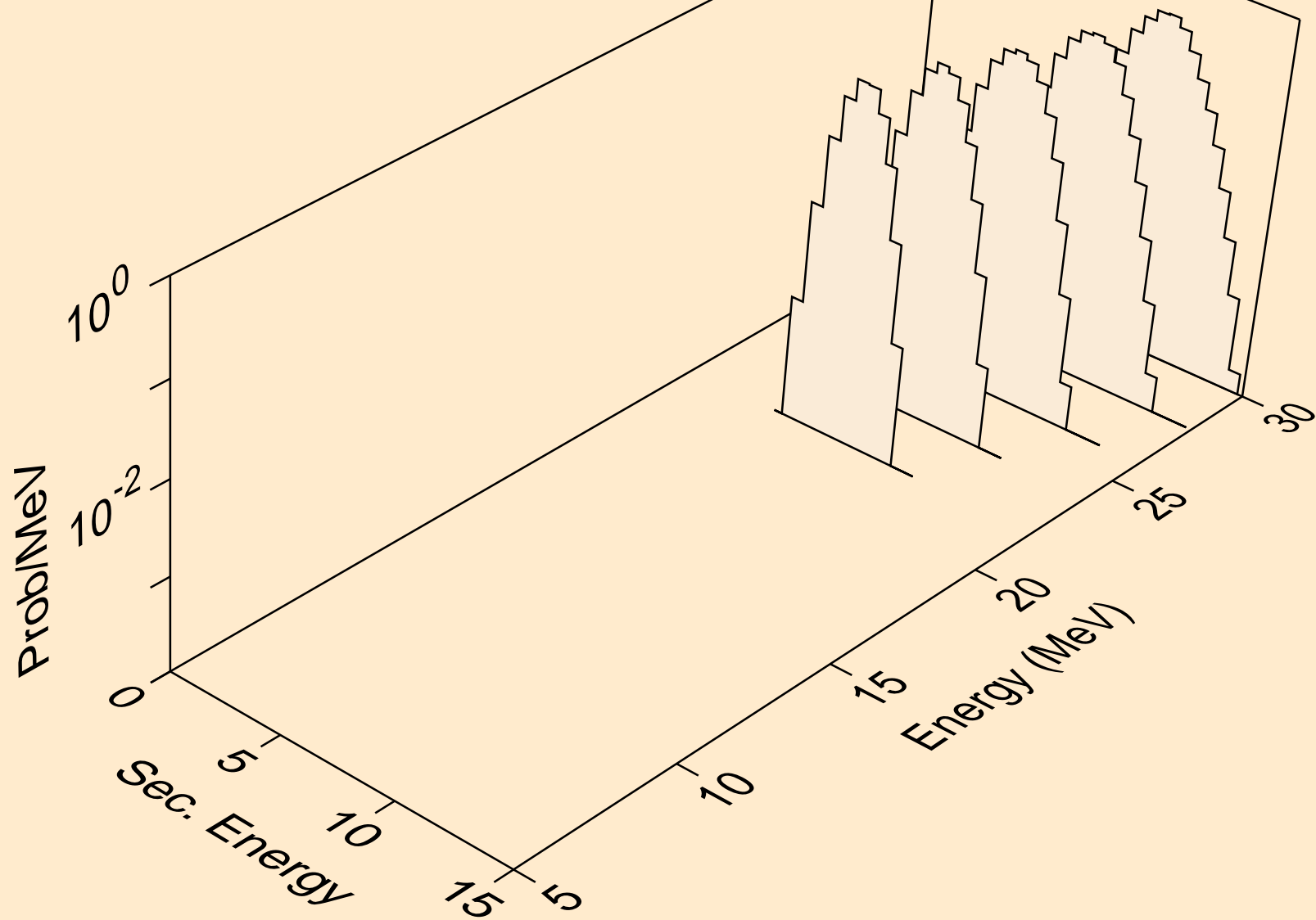
PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a



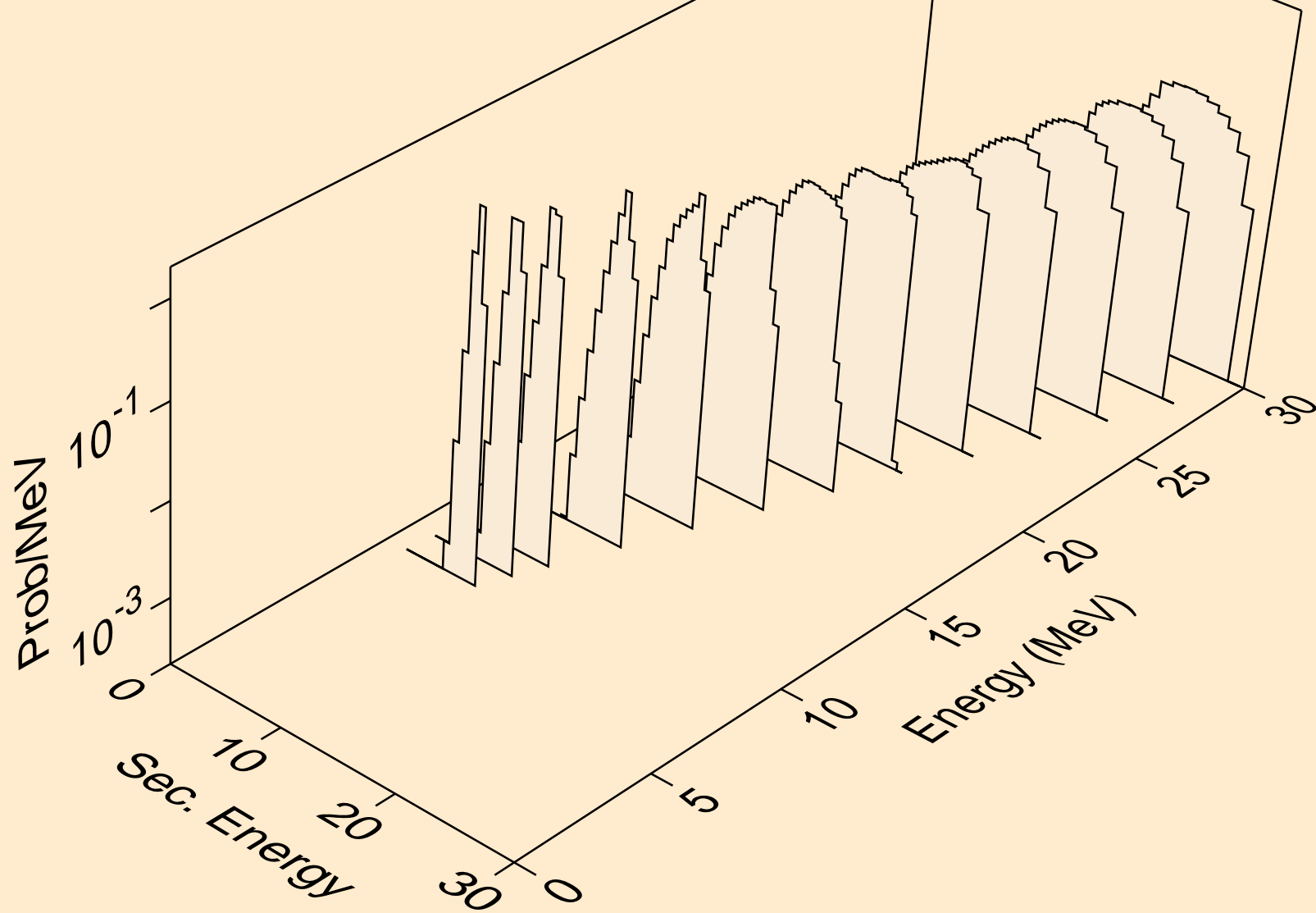
PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2n)a



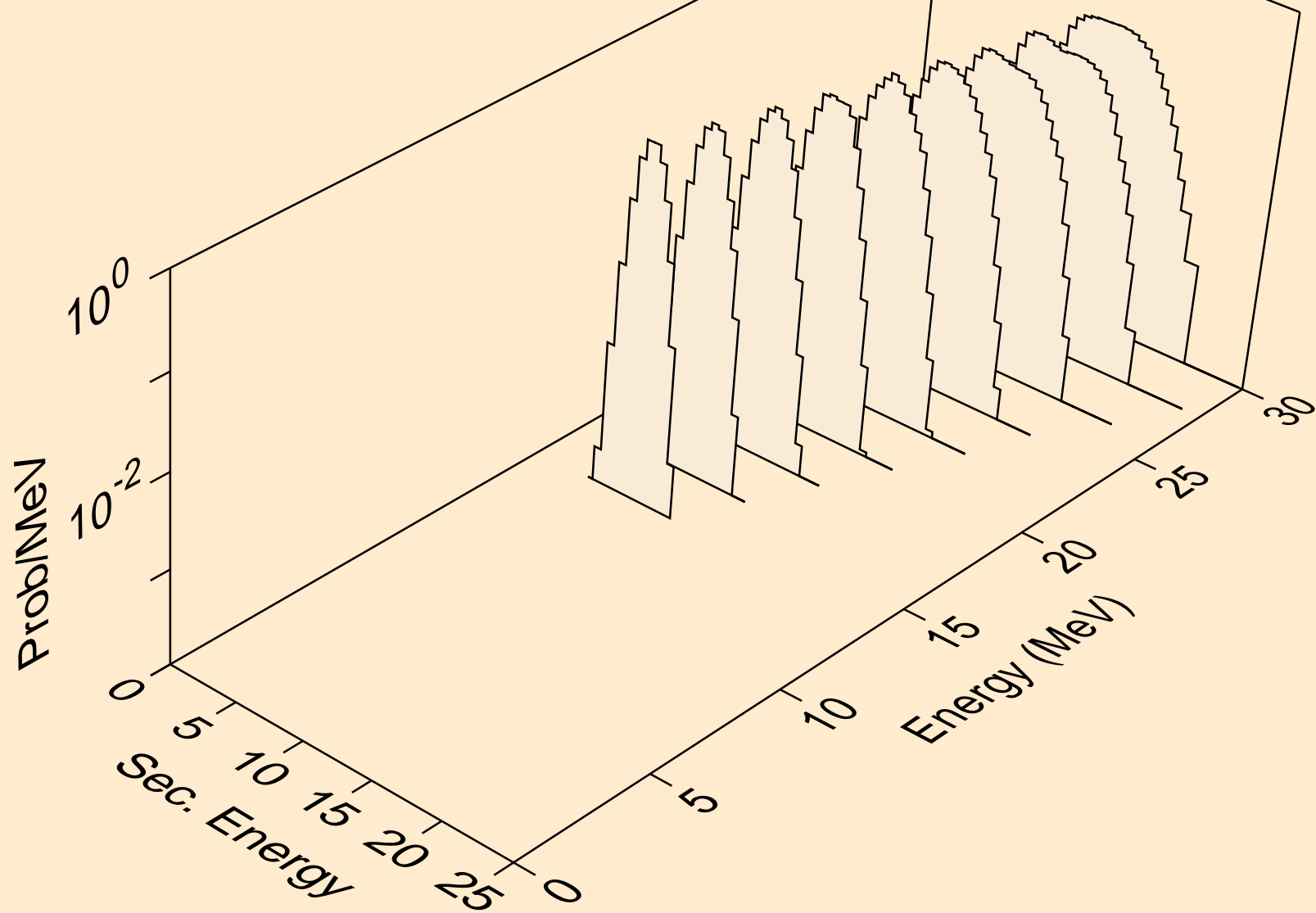
PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,n\*)2a



PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for inelastic

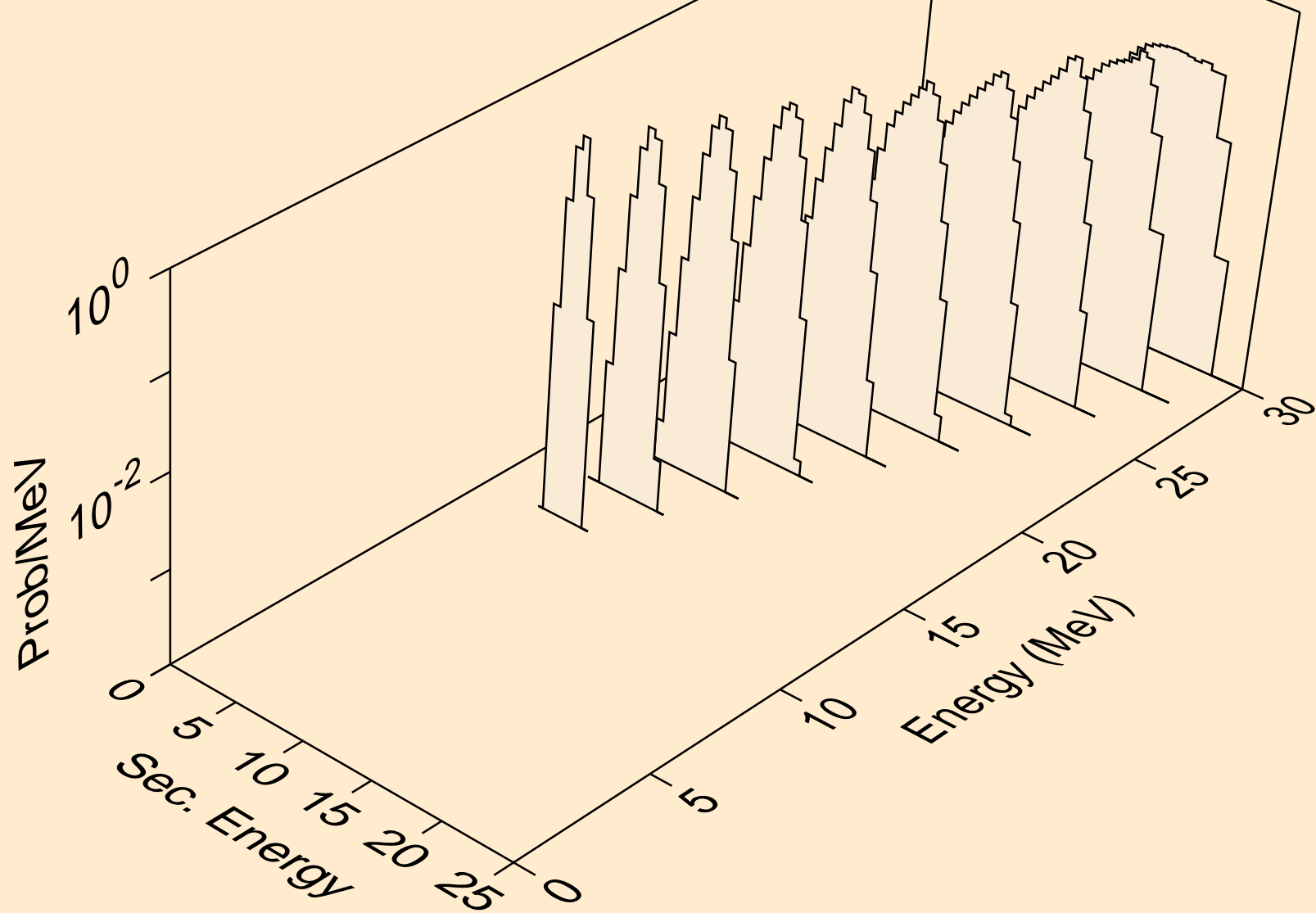


PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2a)

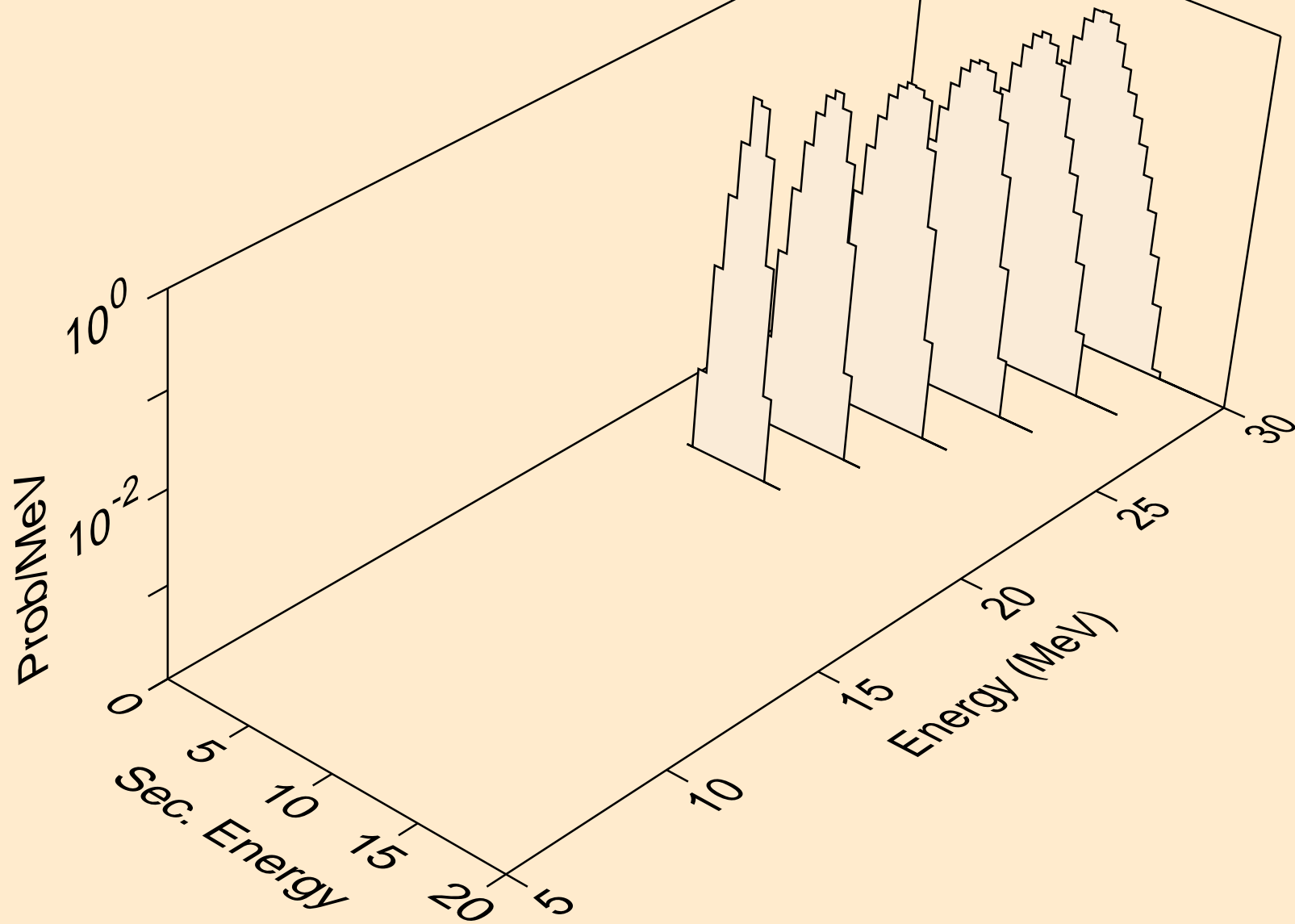




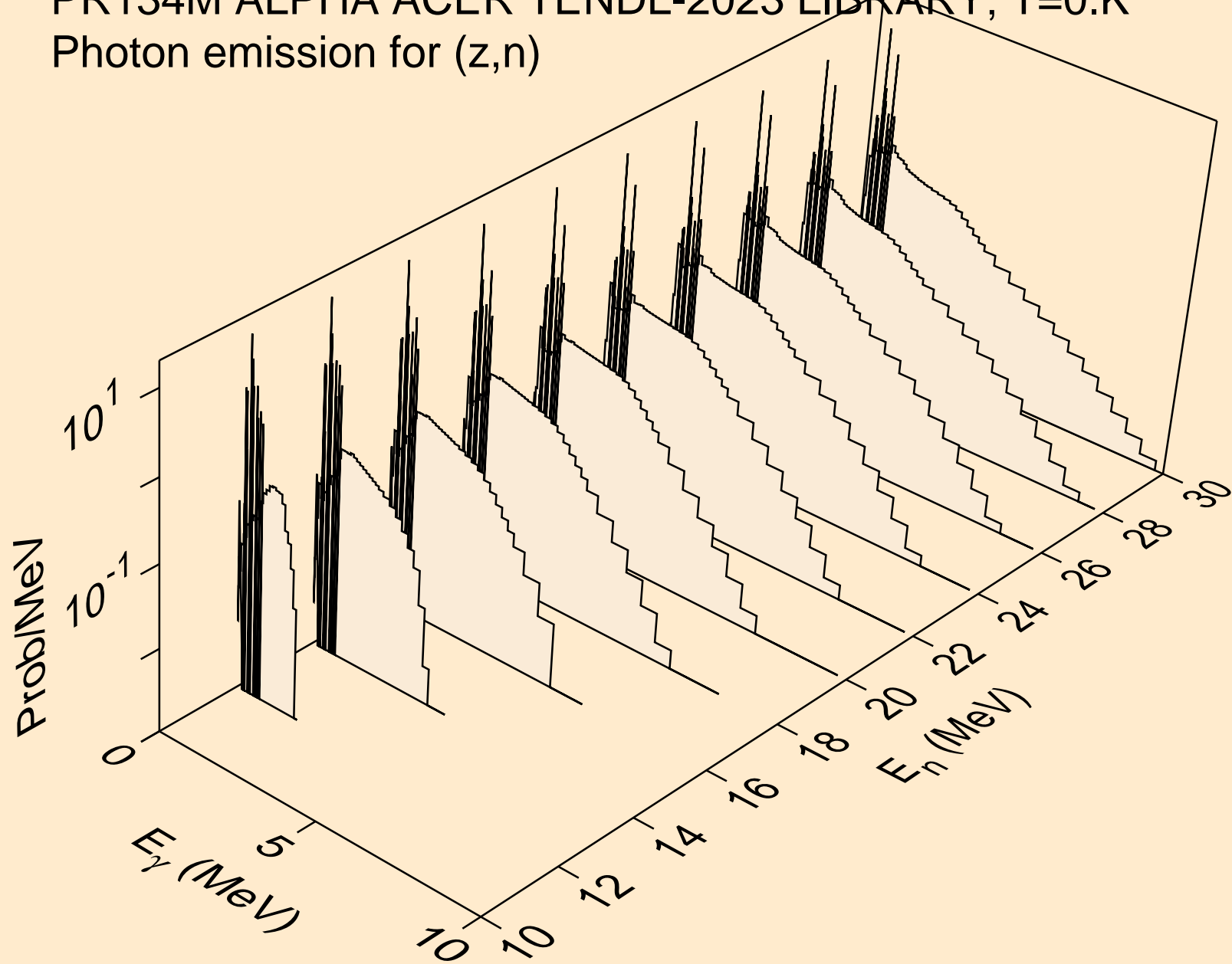
PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,pa)



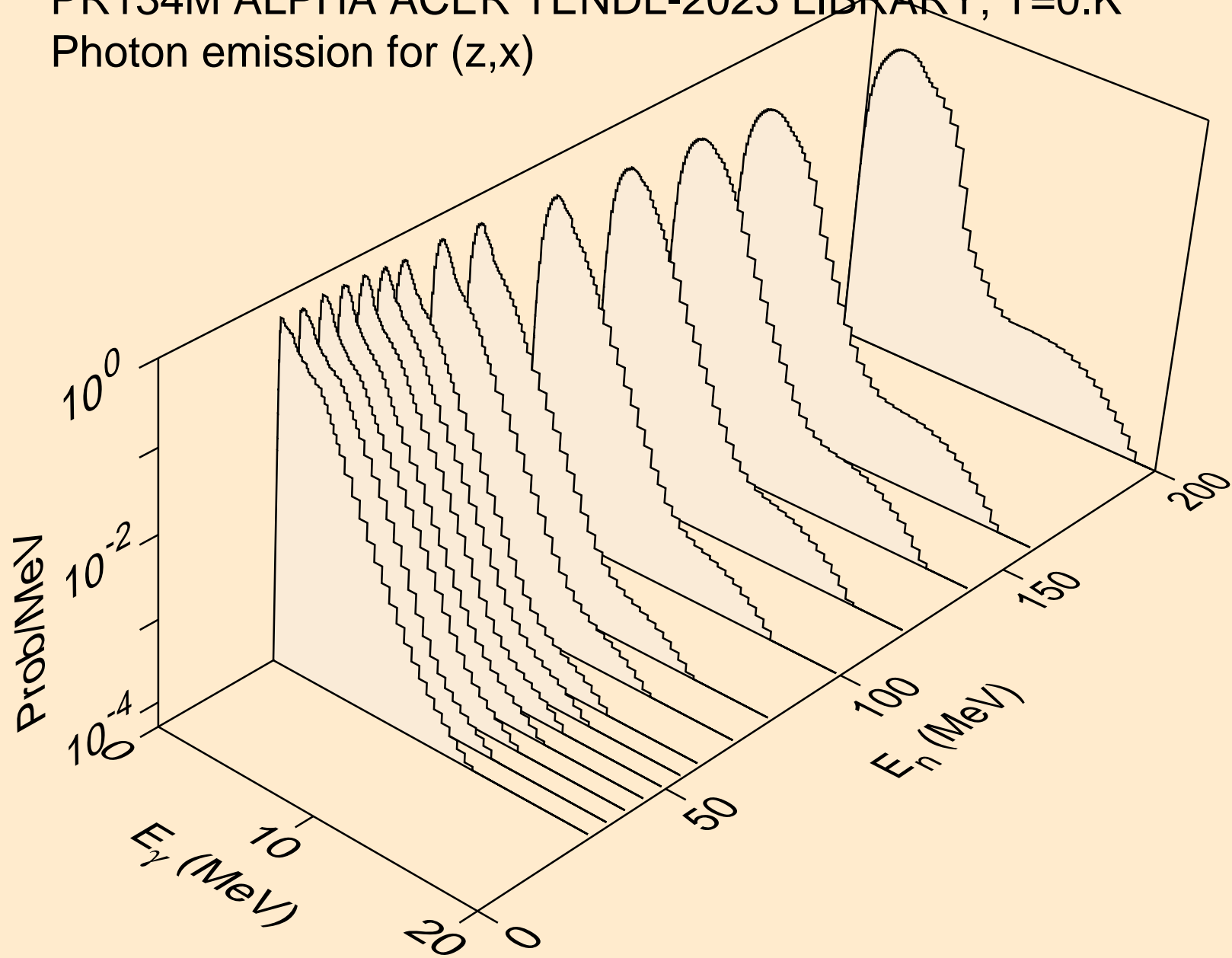
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Alpha emission for (a,da)



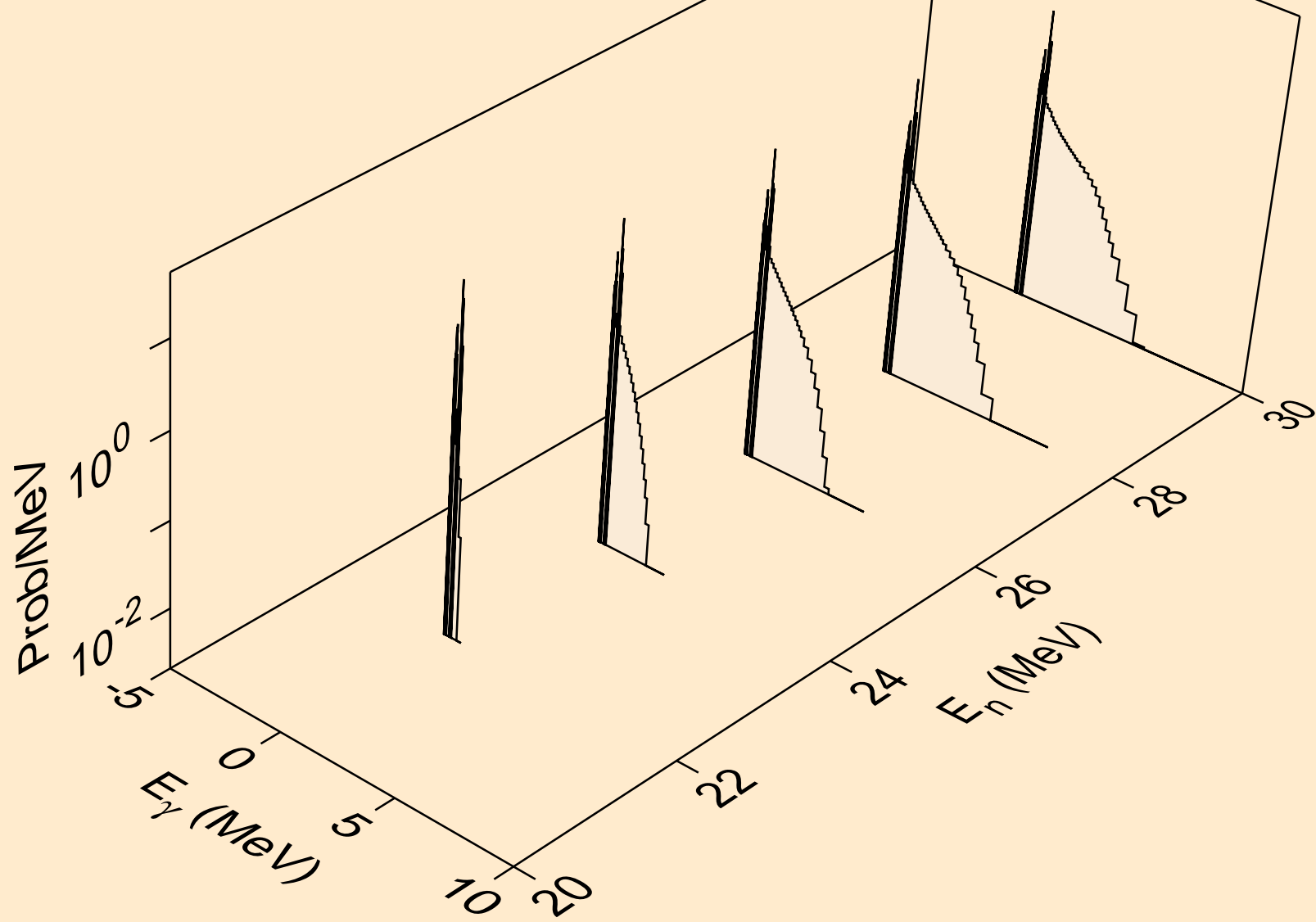
PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



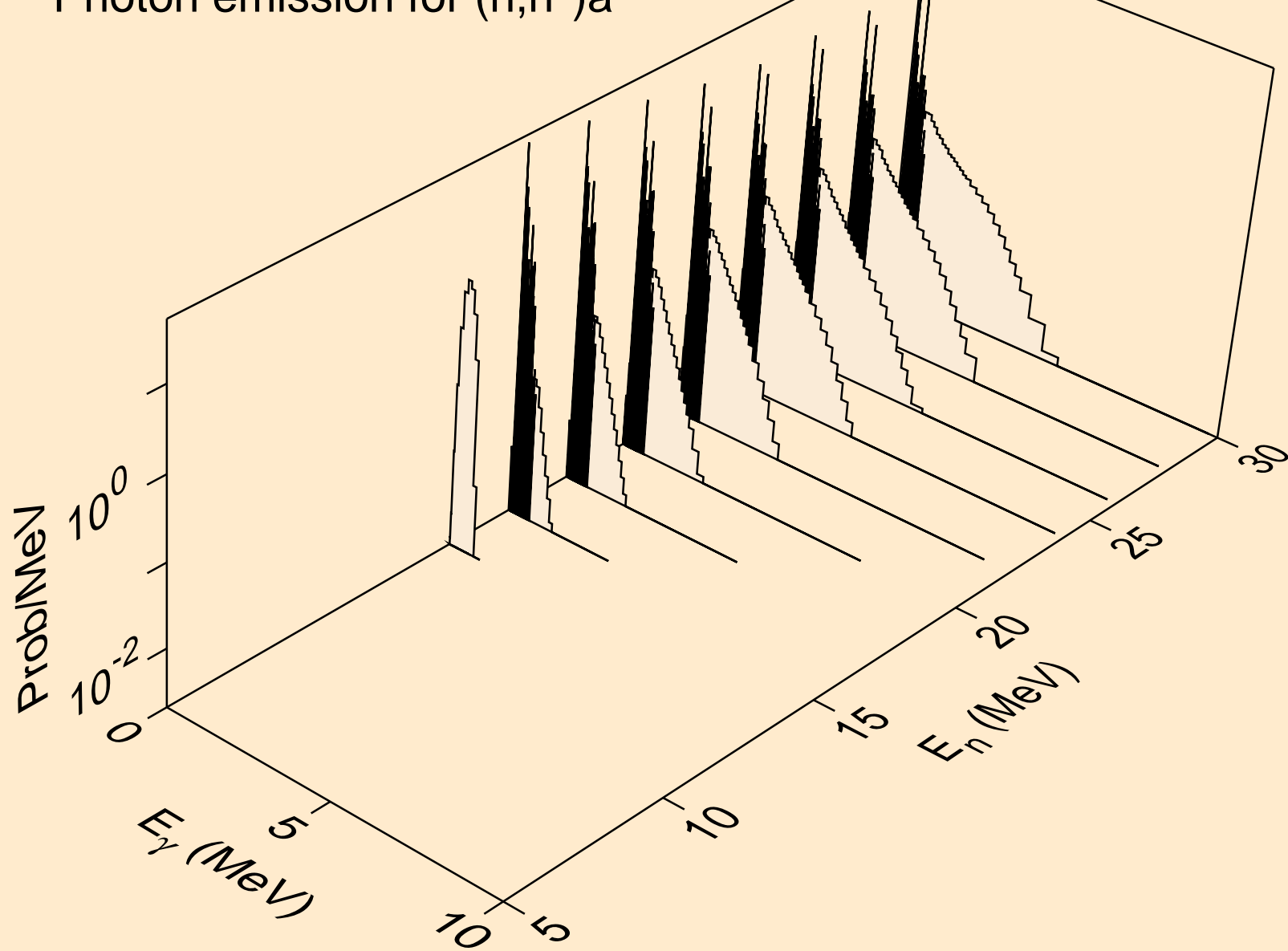
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Photon emission for (z,x)



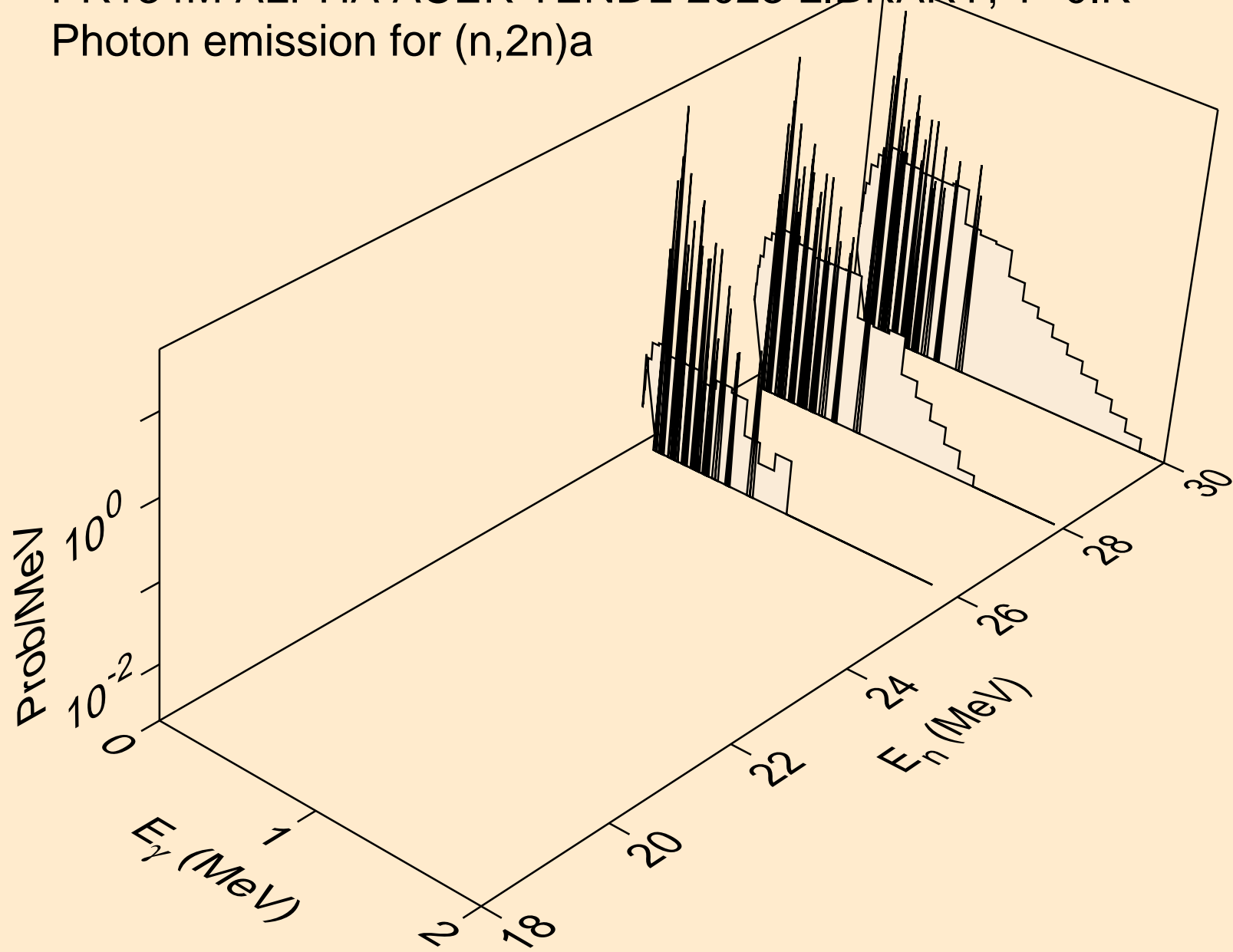
PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



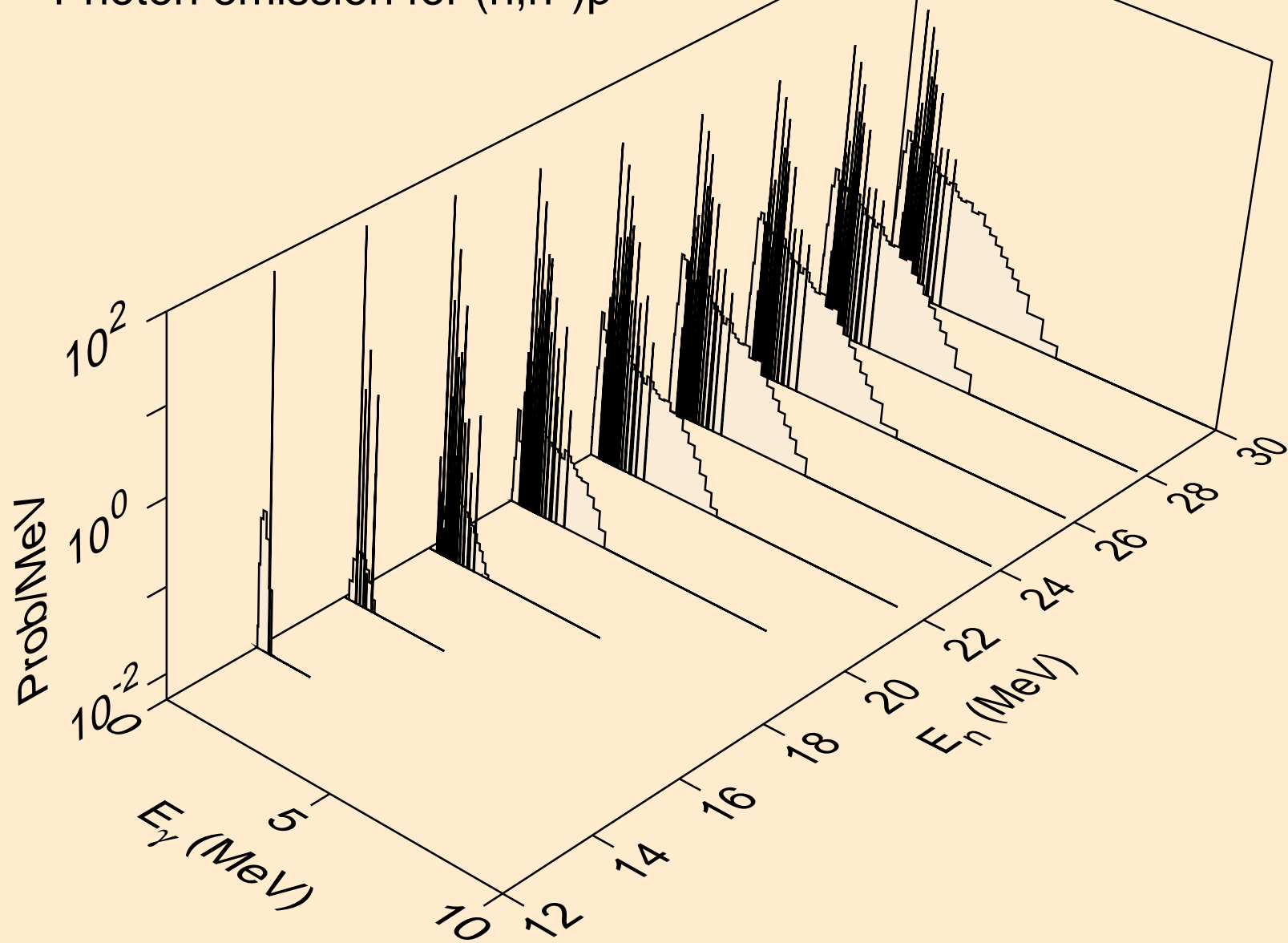
PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

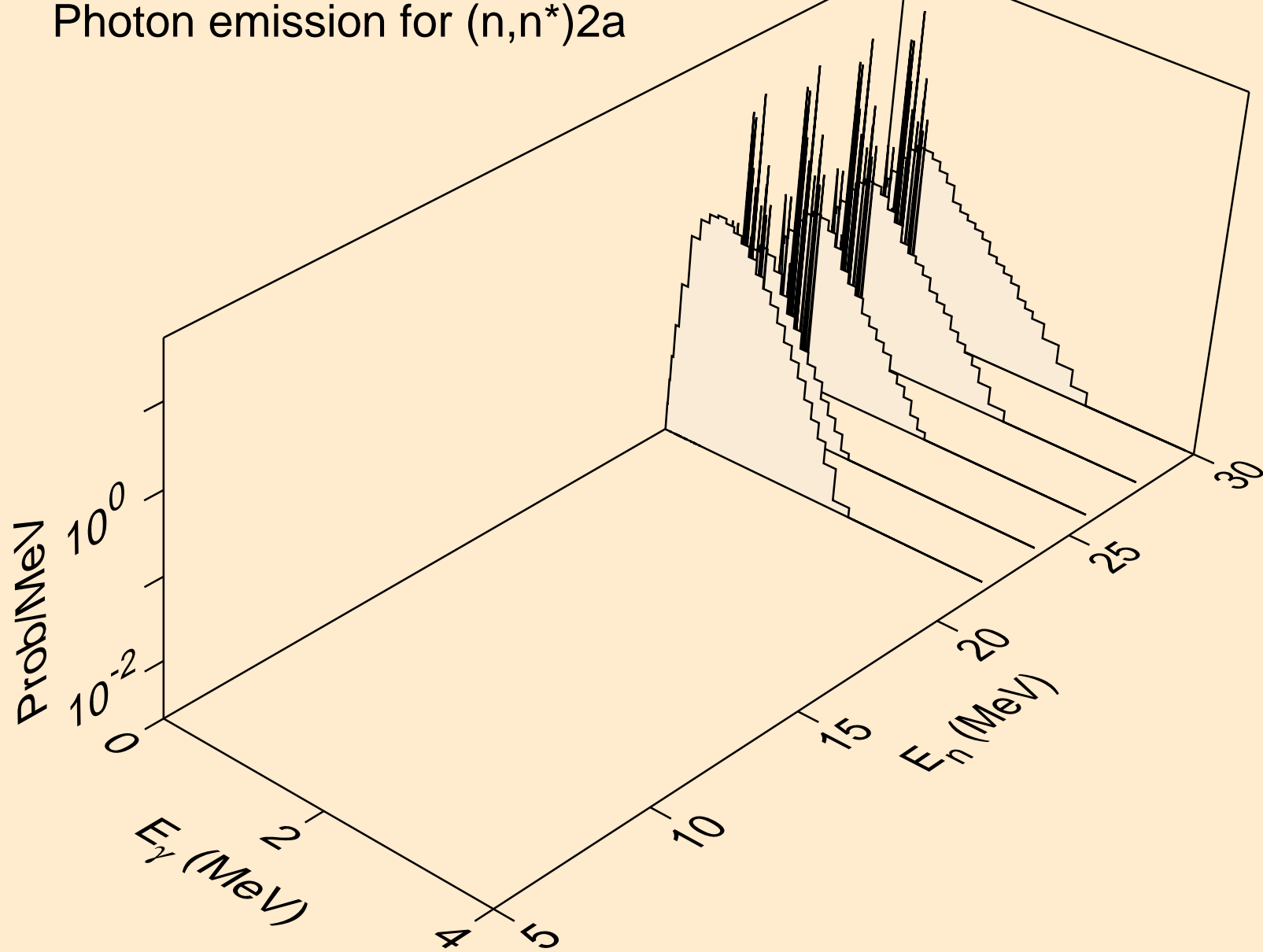


PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

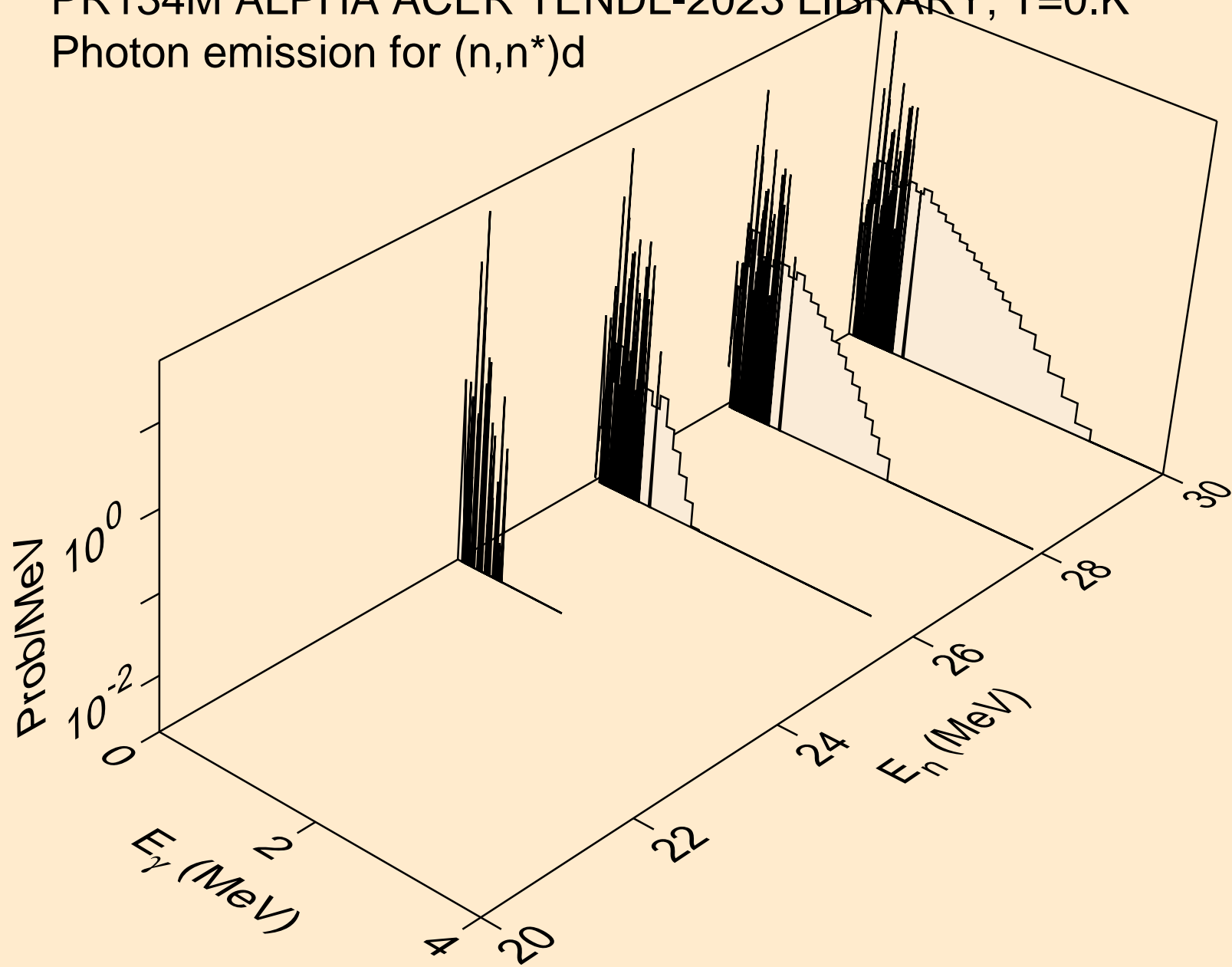




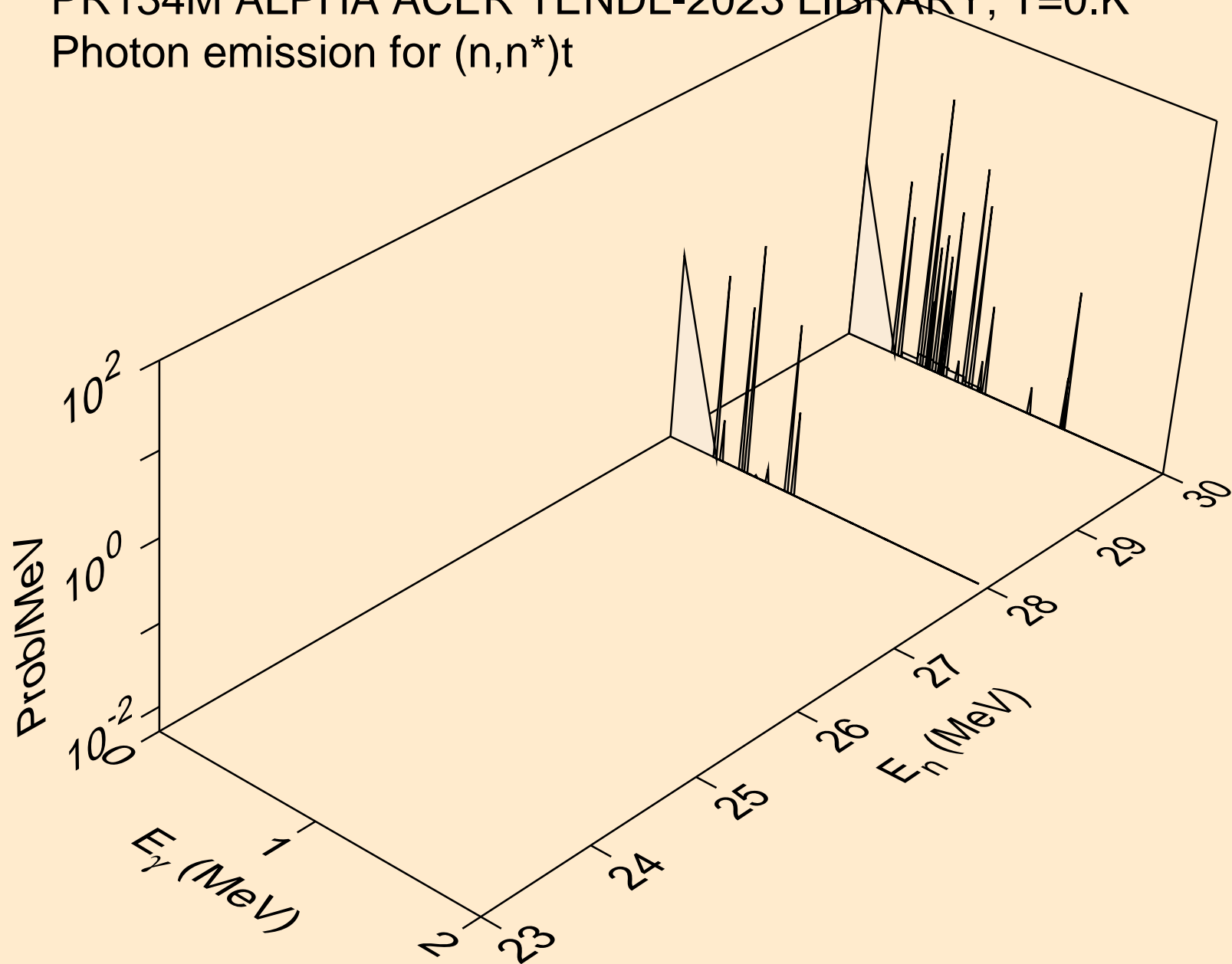
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Photon emission for (n,n\*)2a



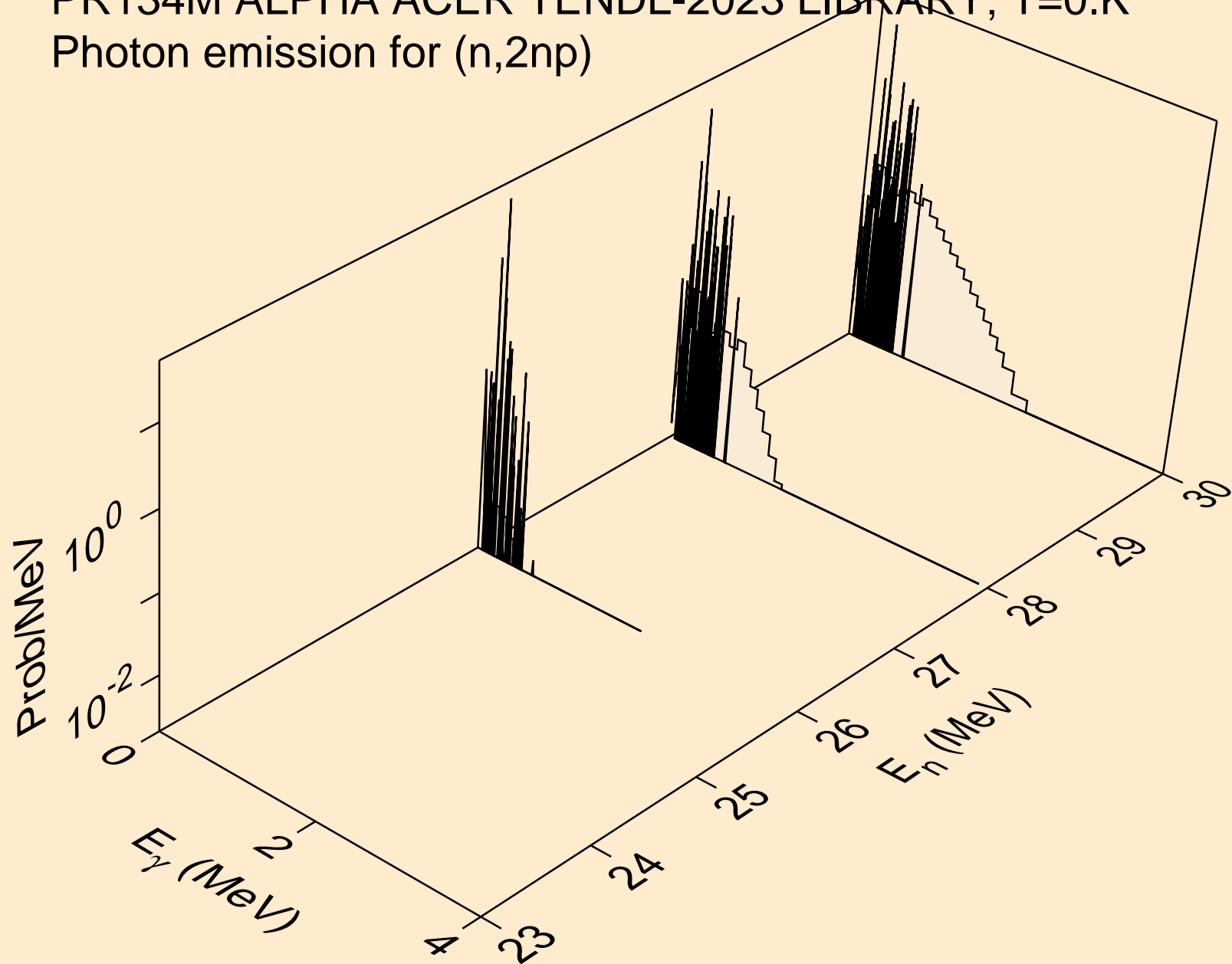
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Photon emission for (n,n\*)d



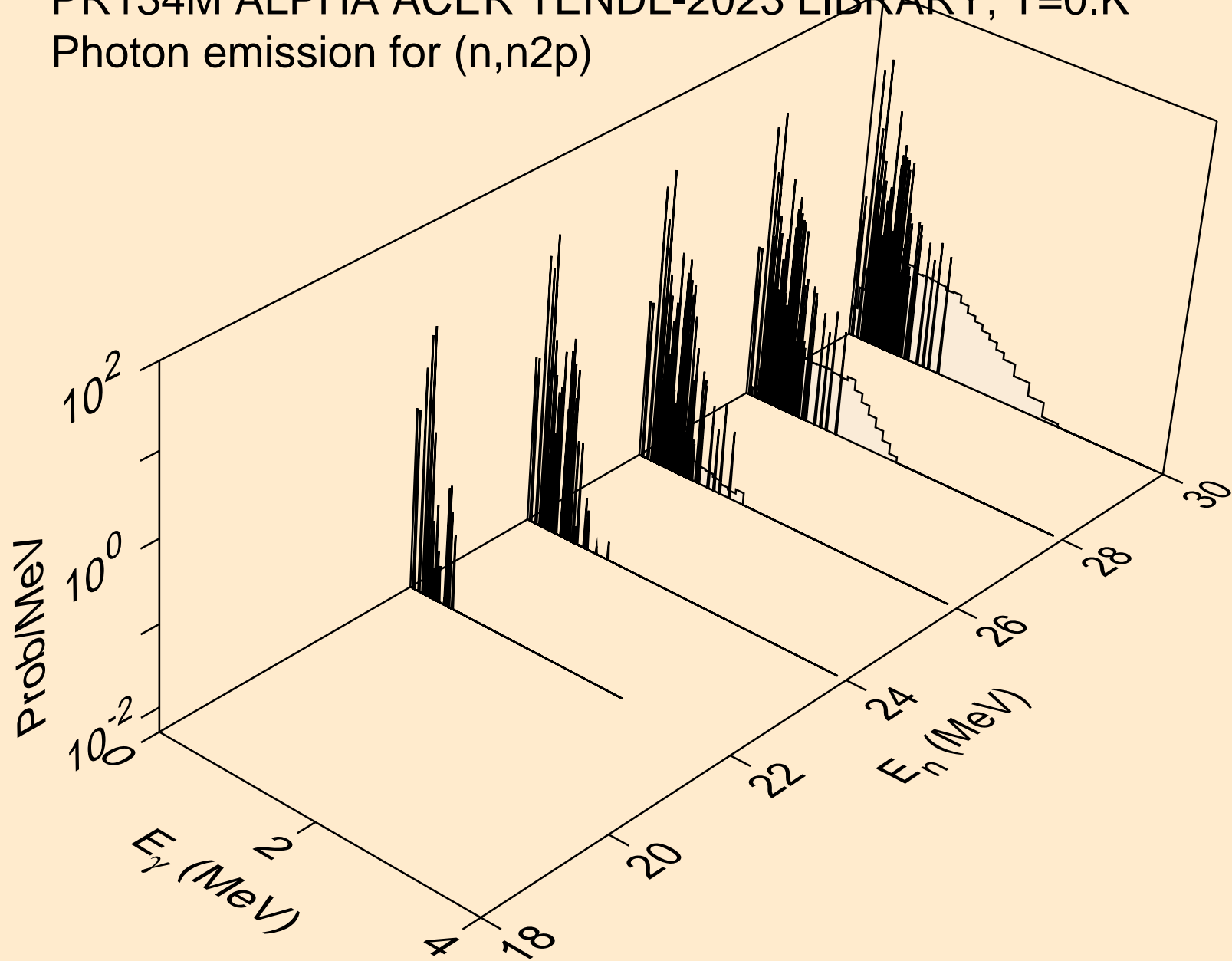
PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



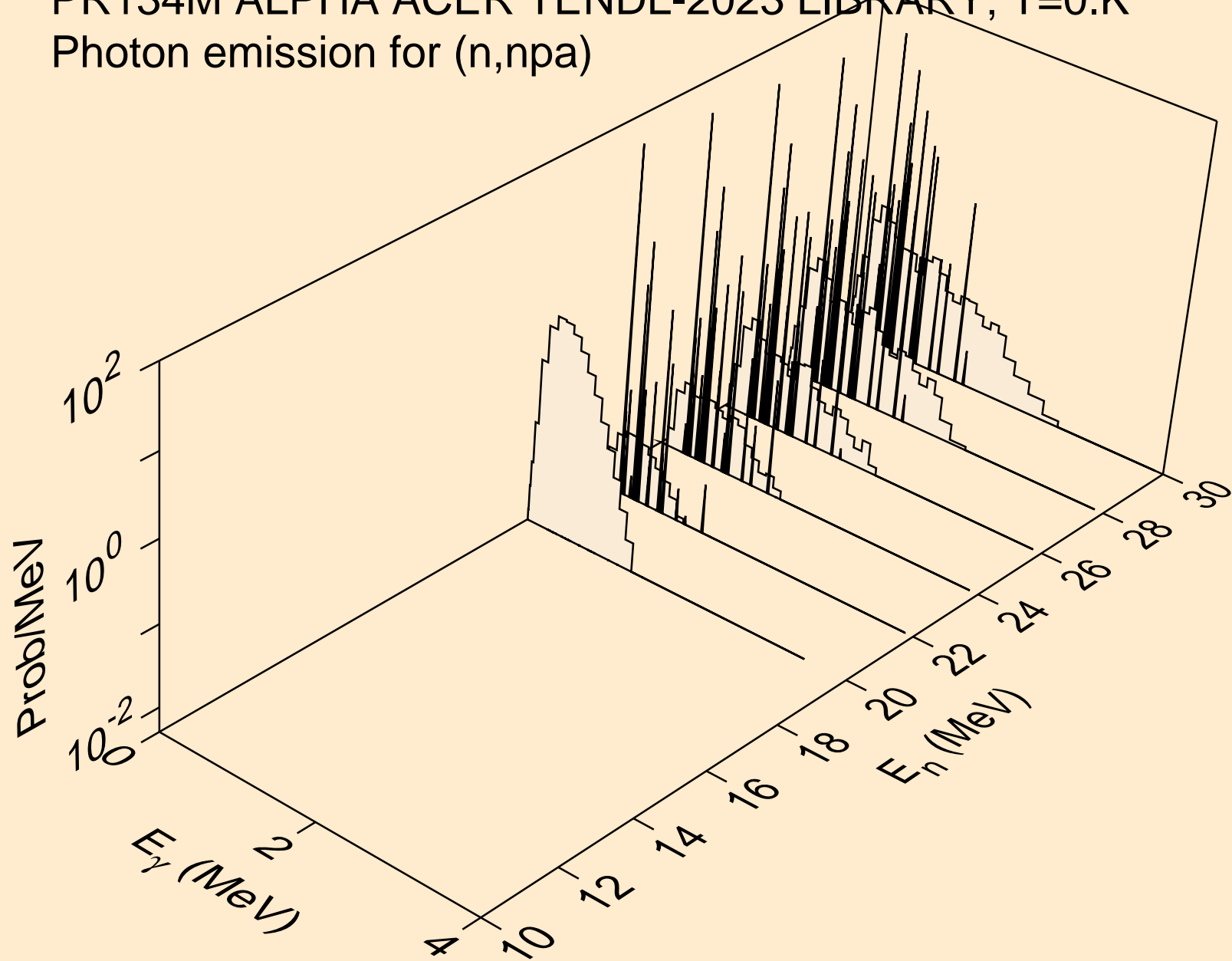
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Photon emission for (n,2np)



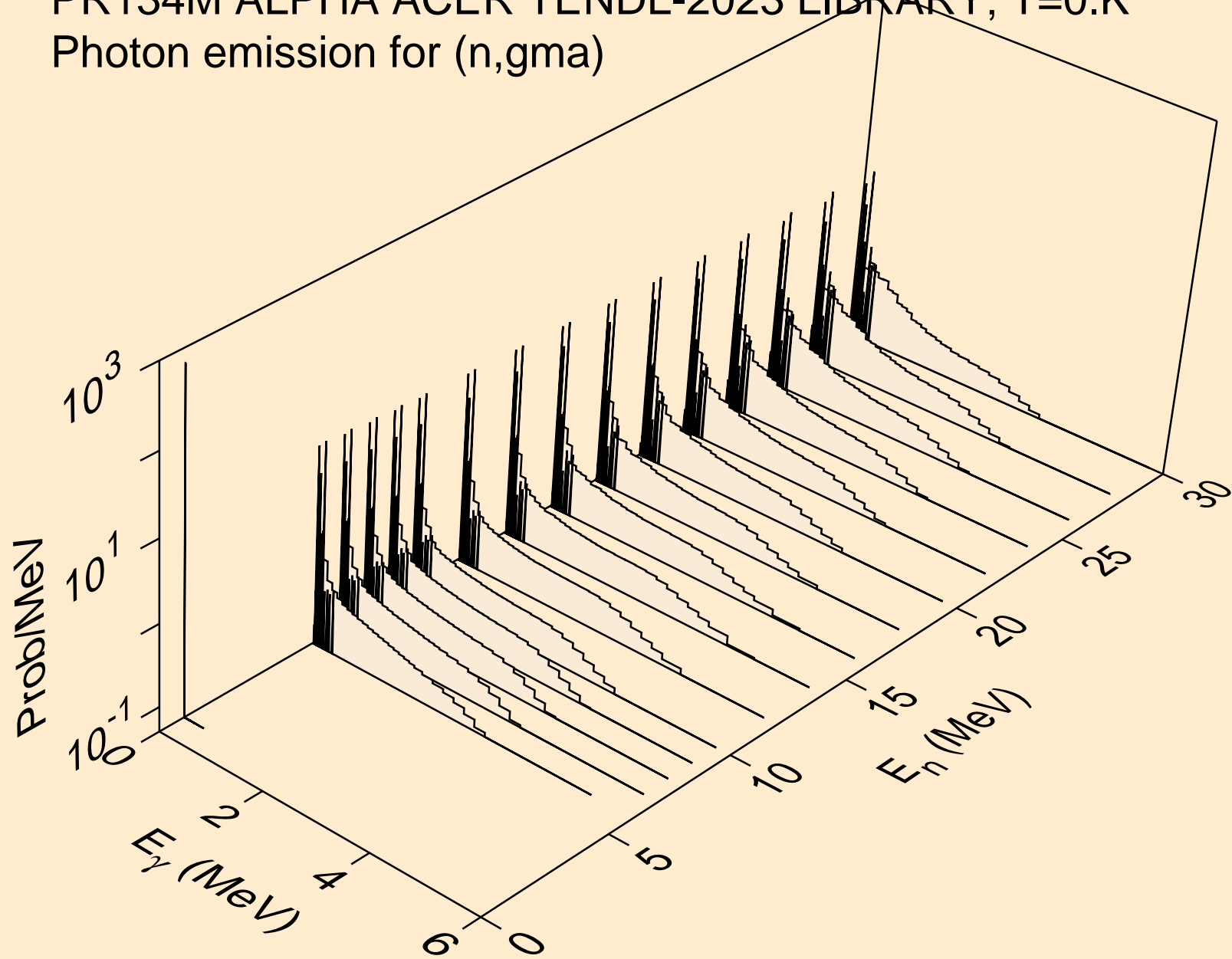
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Photon emission for (n,n2p)



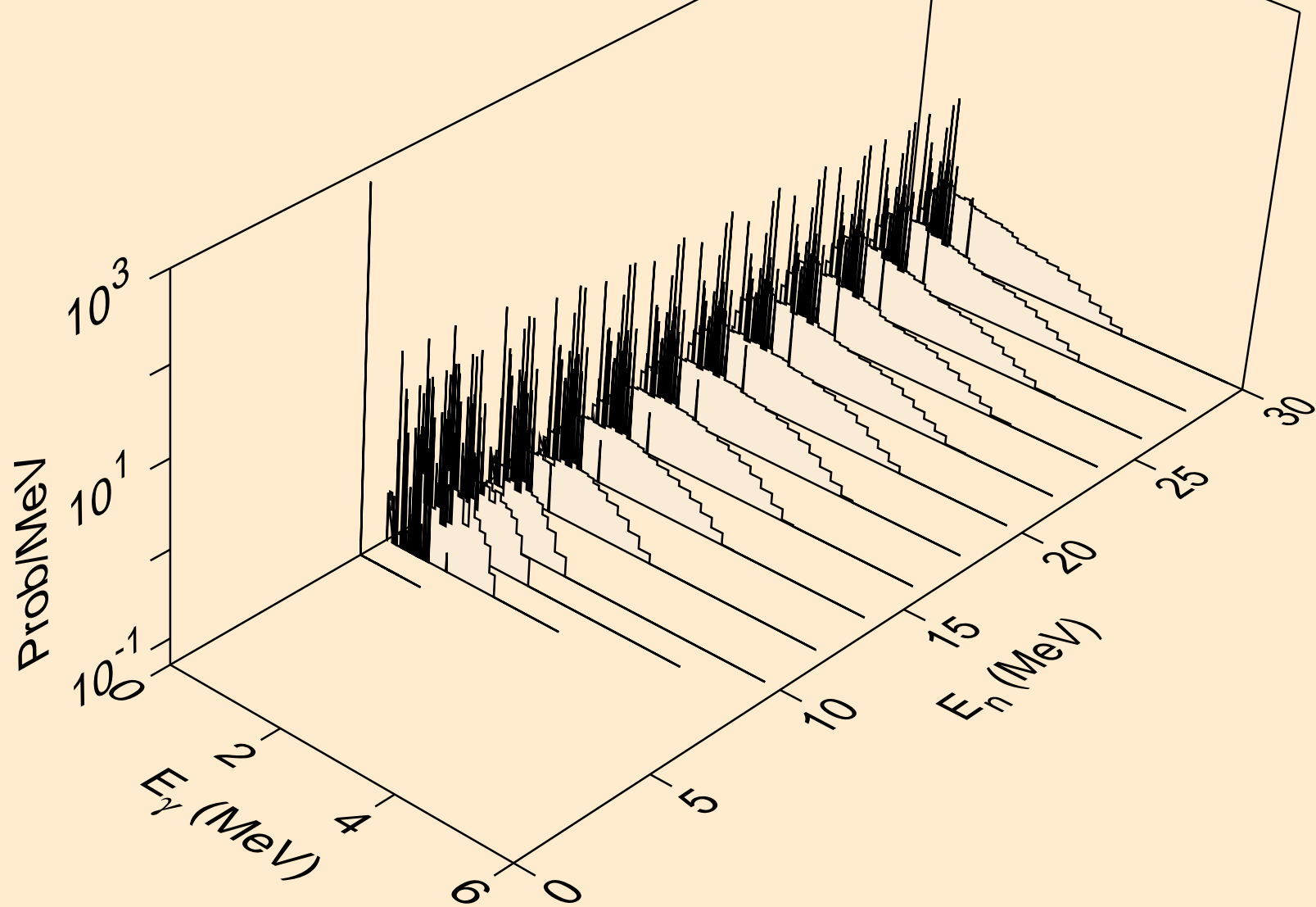
PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)

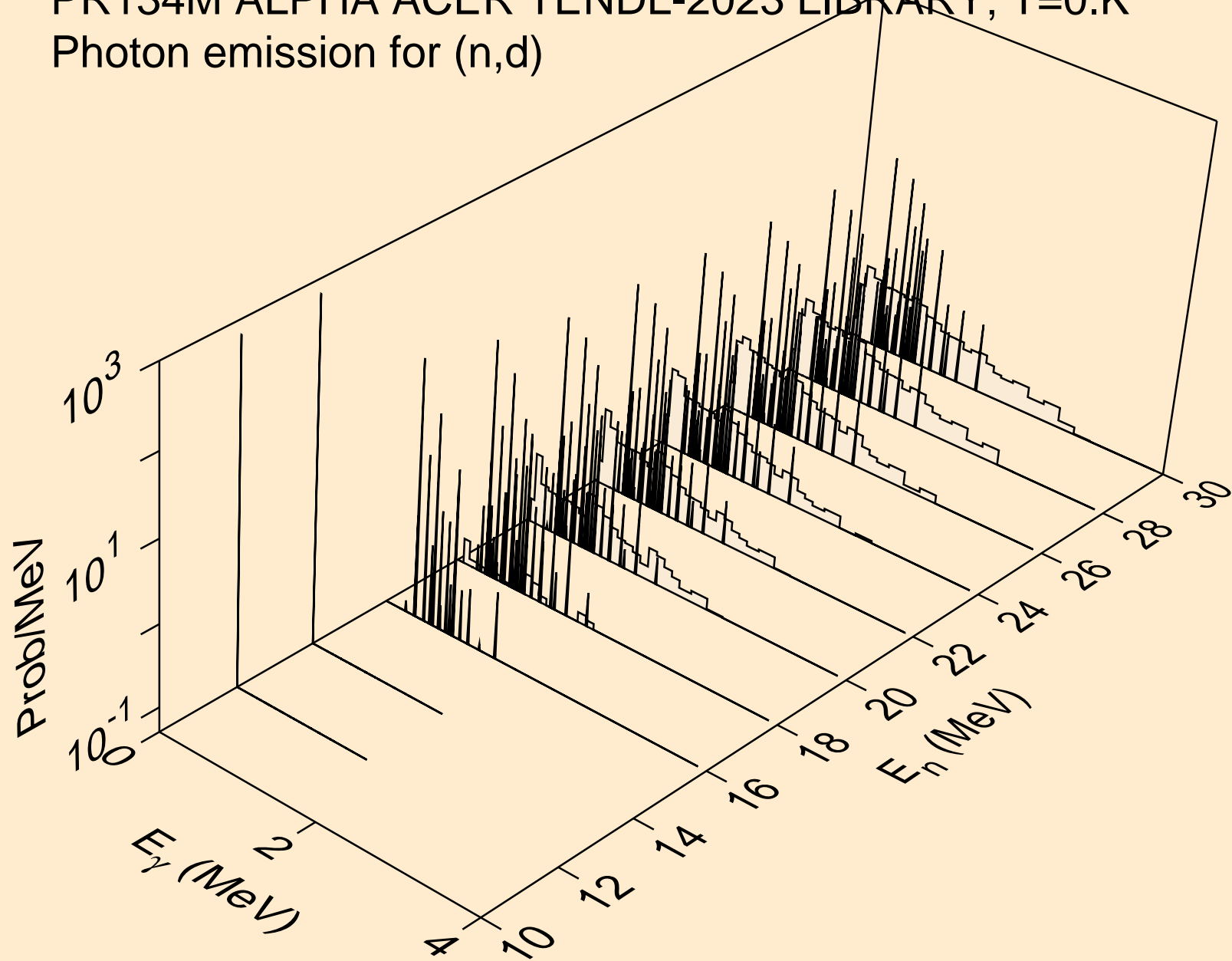


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Photon emission for (n,p)

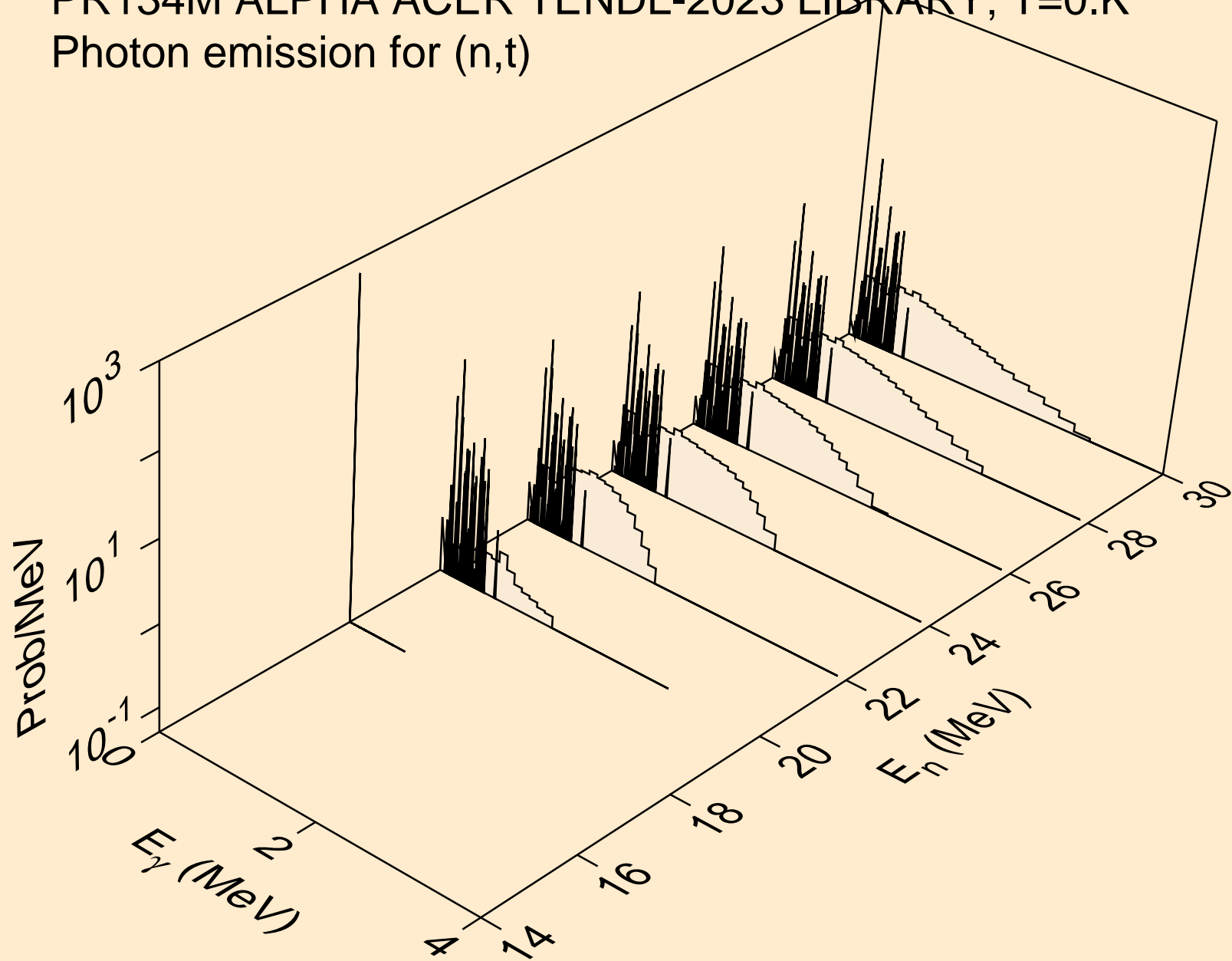




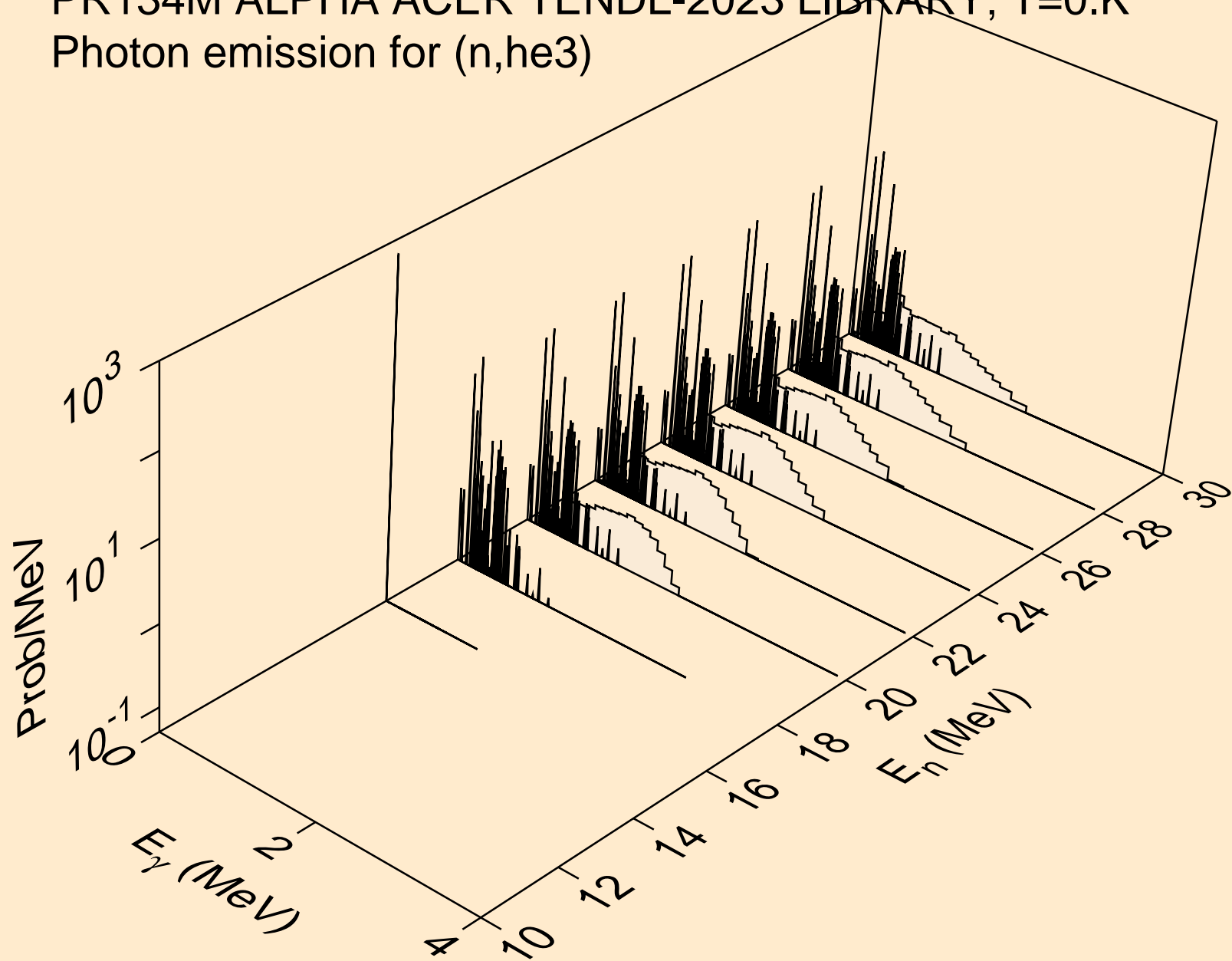
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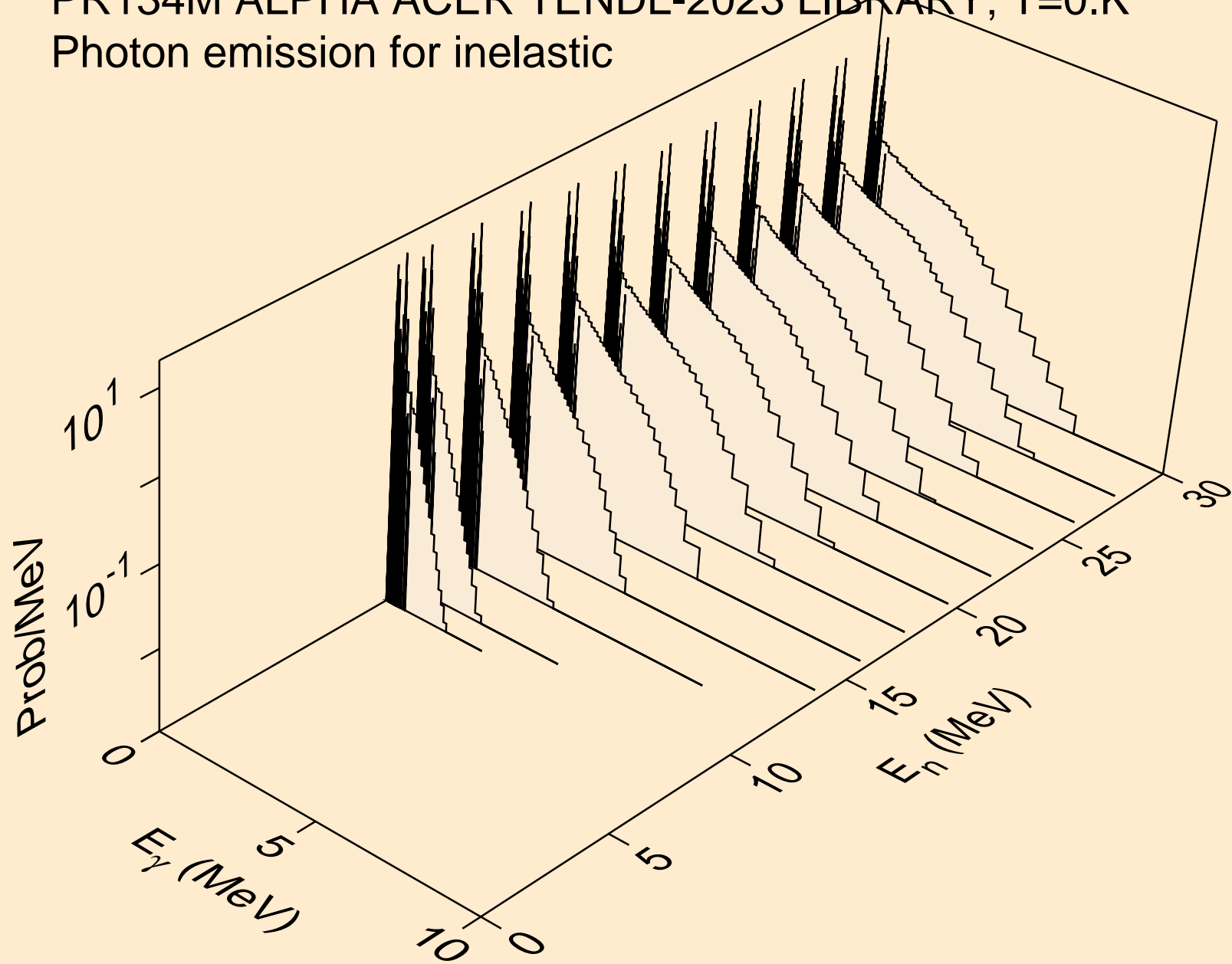
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Photon emission for (n,t)



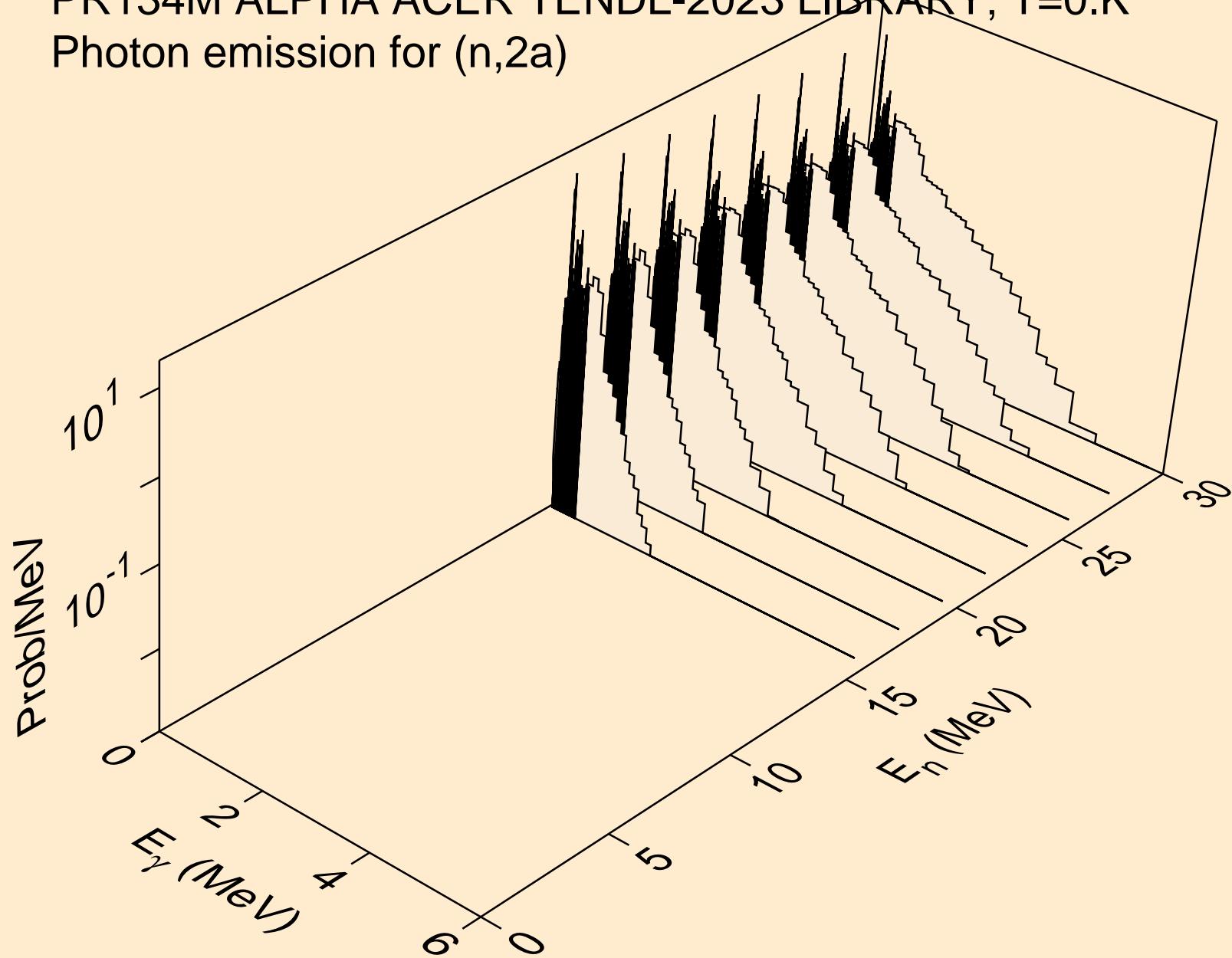
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Photon emission for (n,he3)



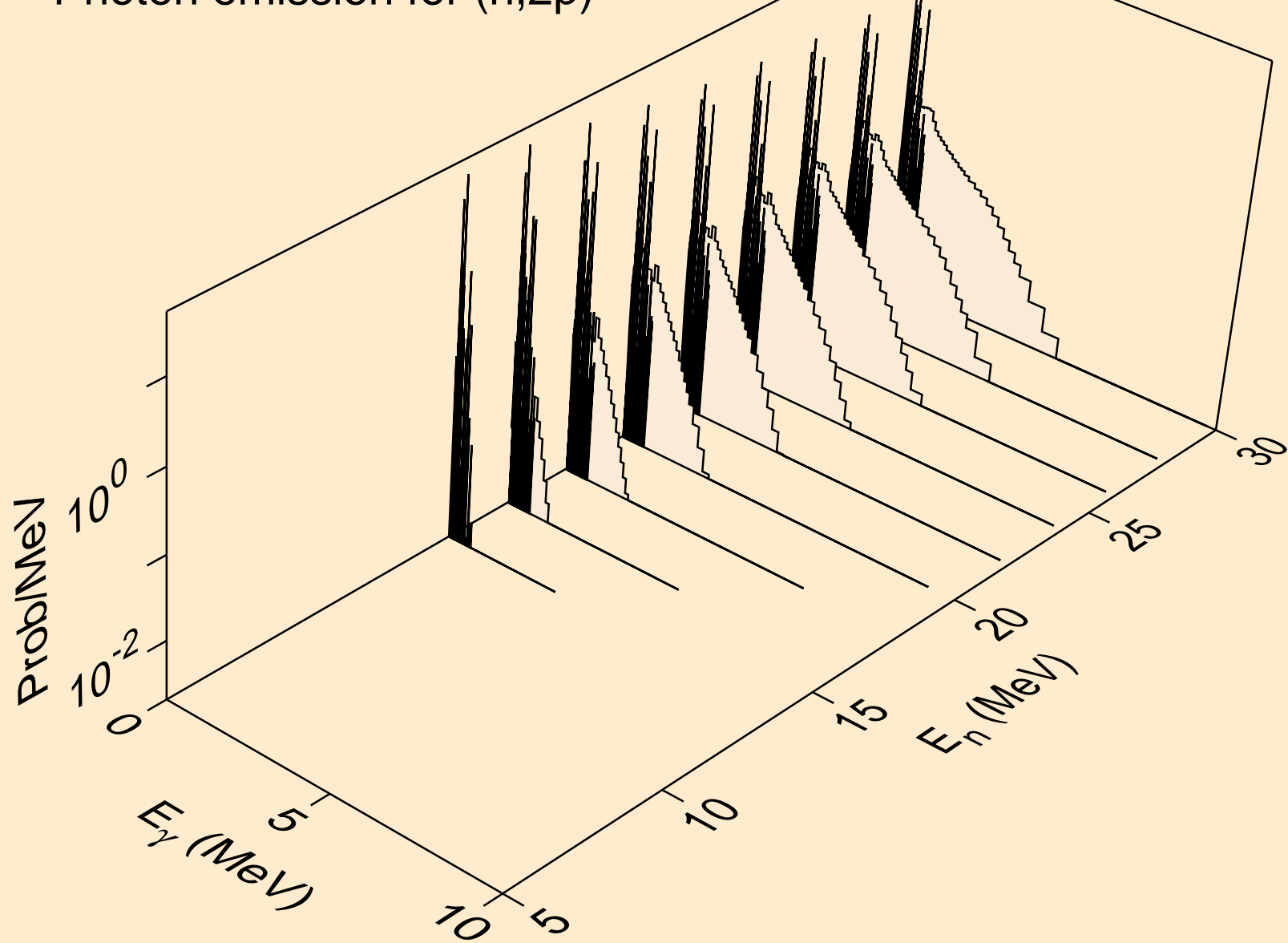
PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



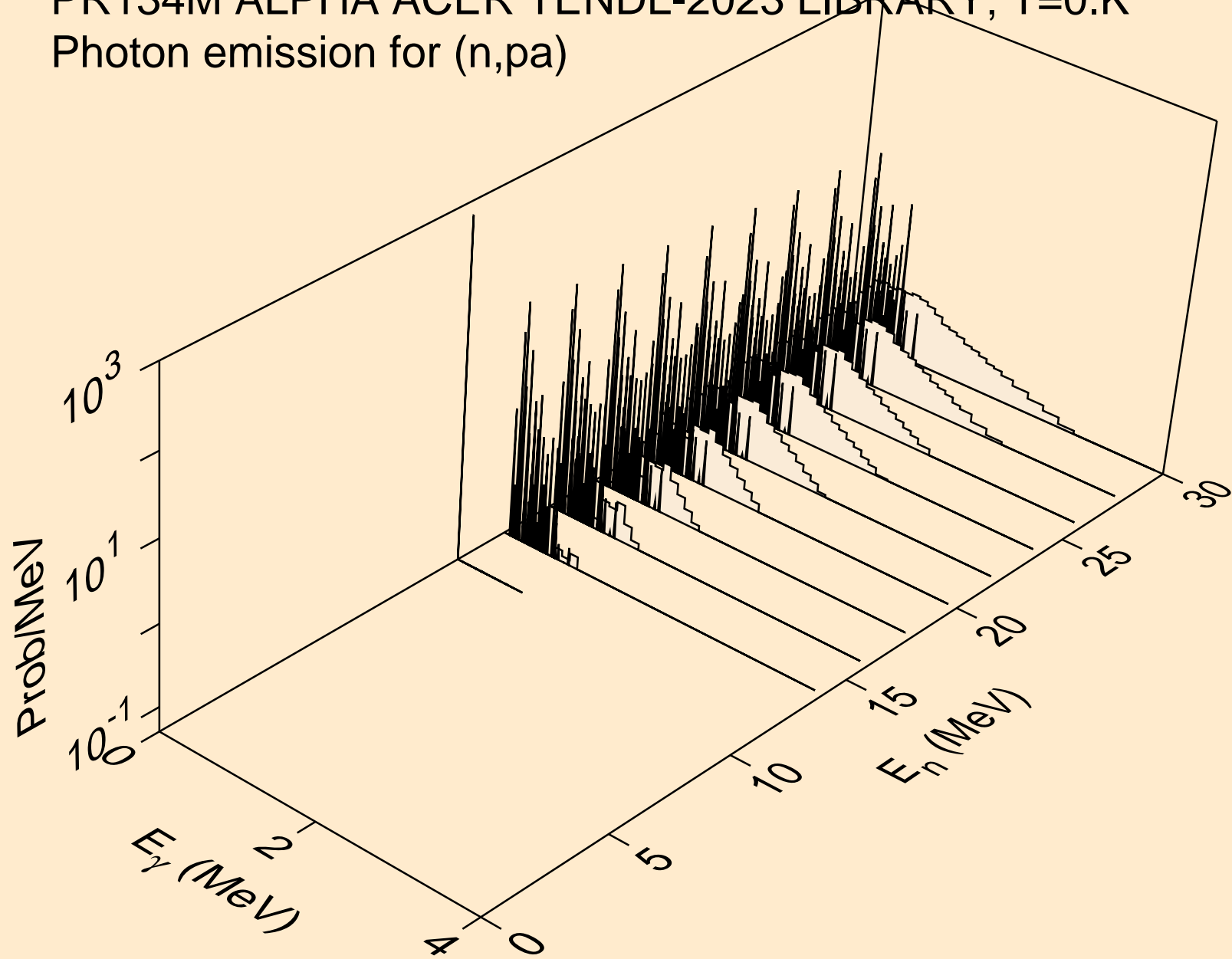
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Photon emission for (n,2a)



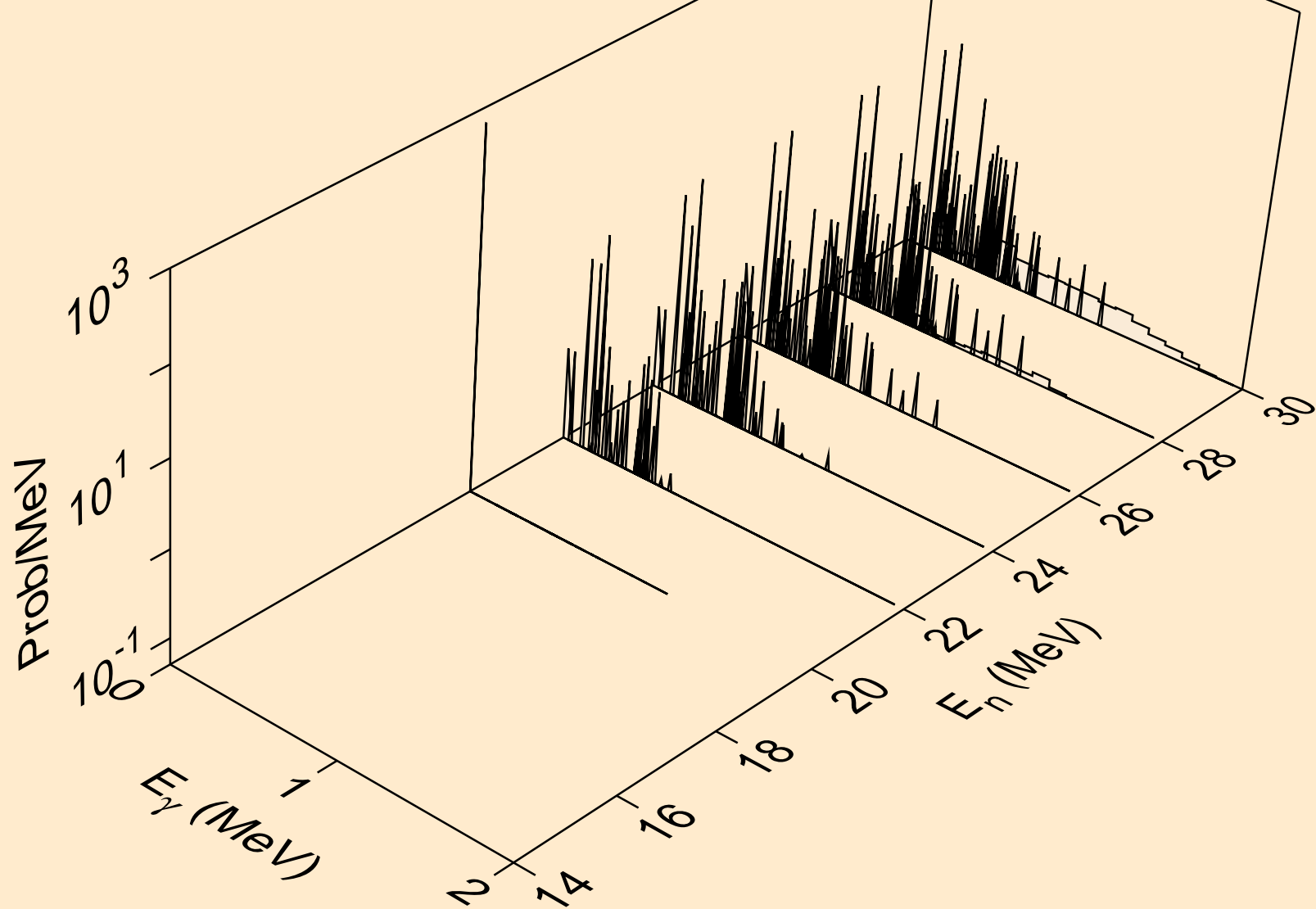
PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)

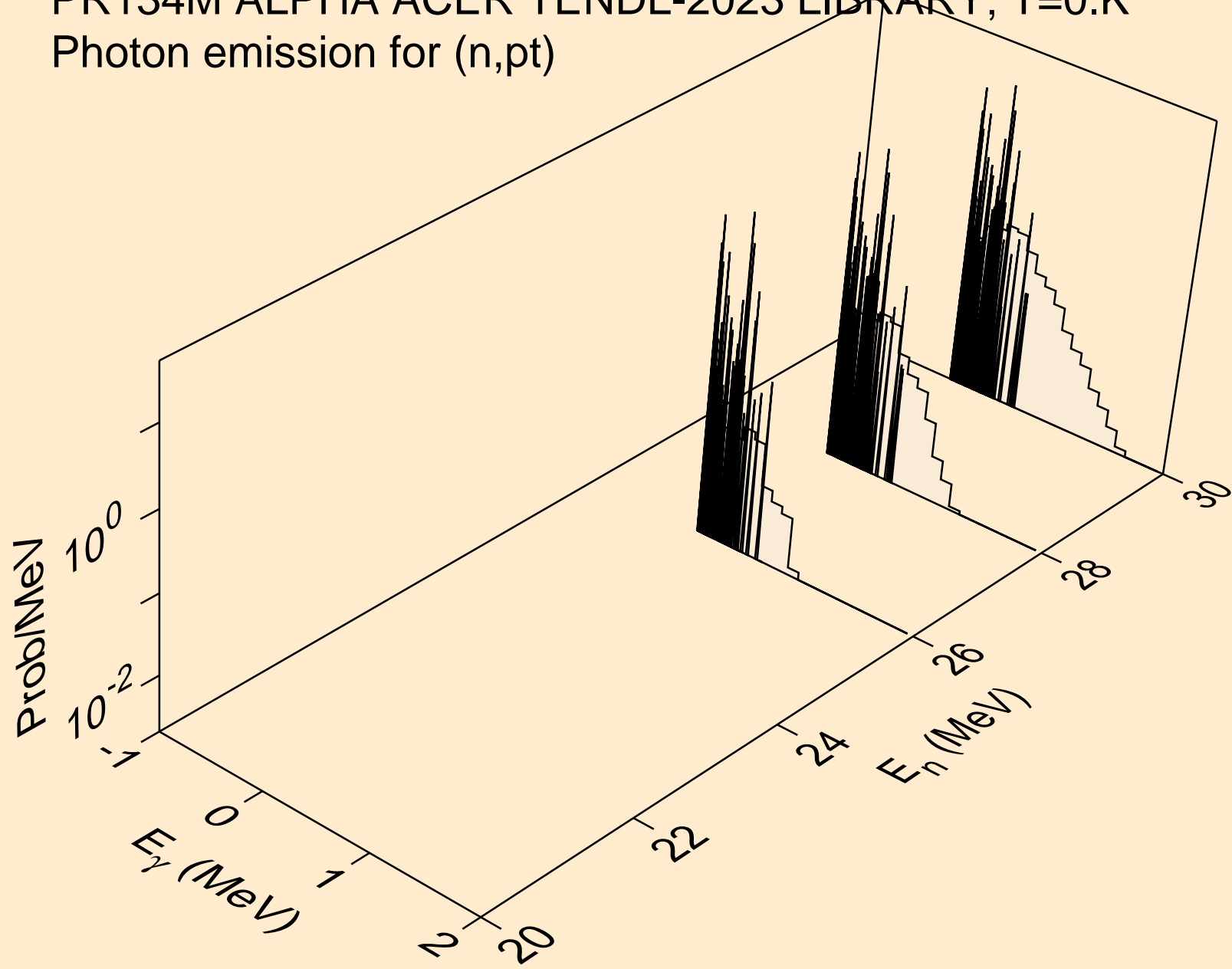


PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)

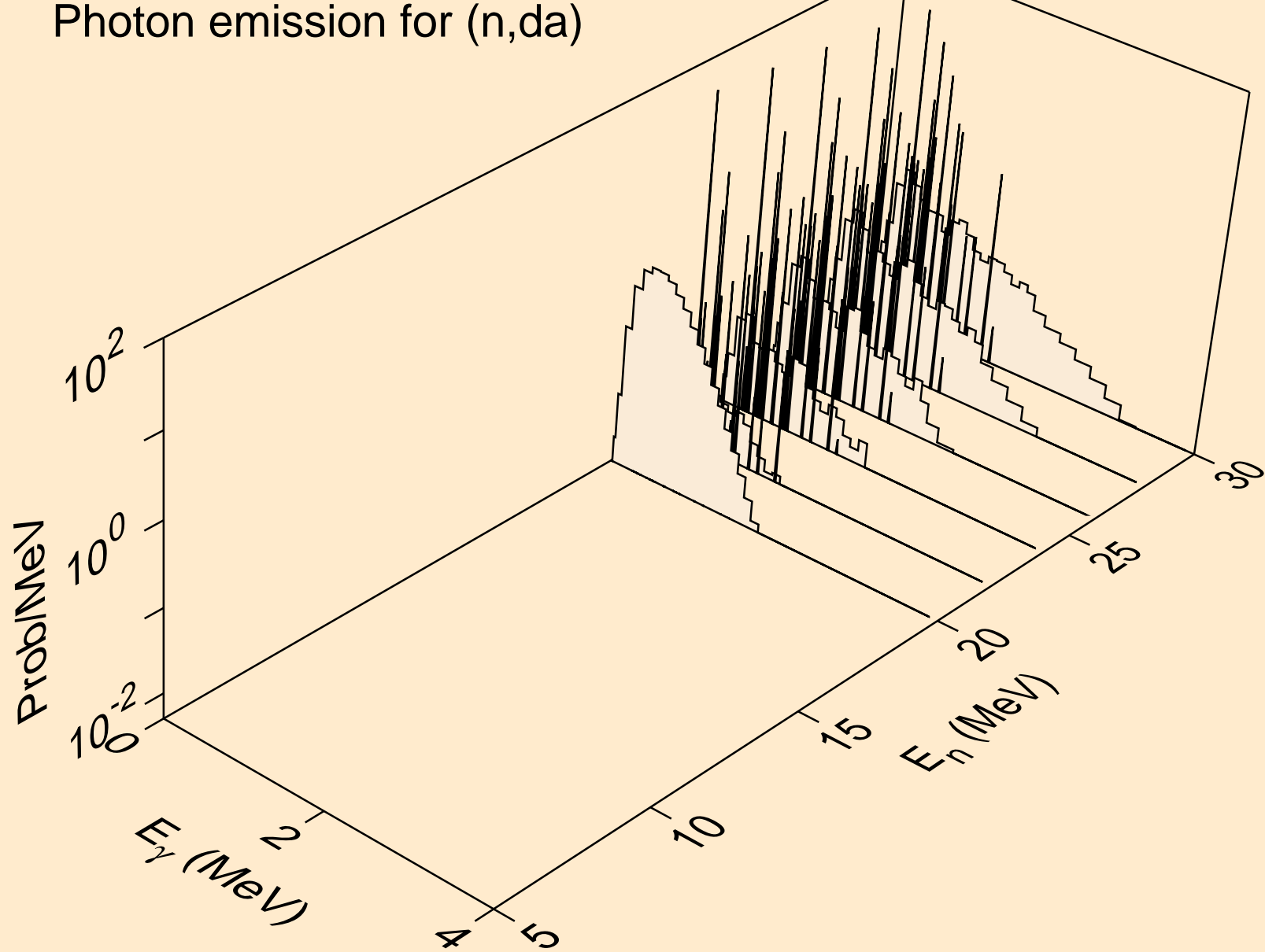




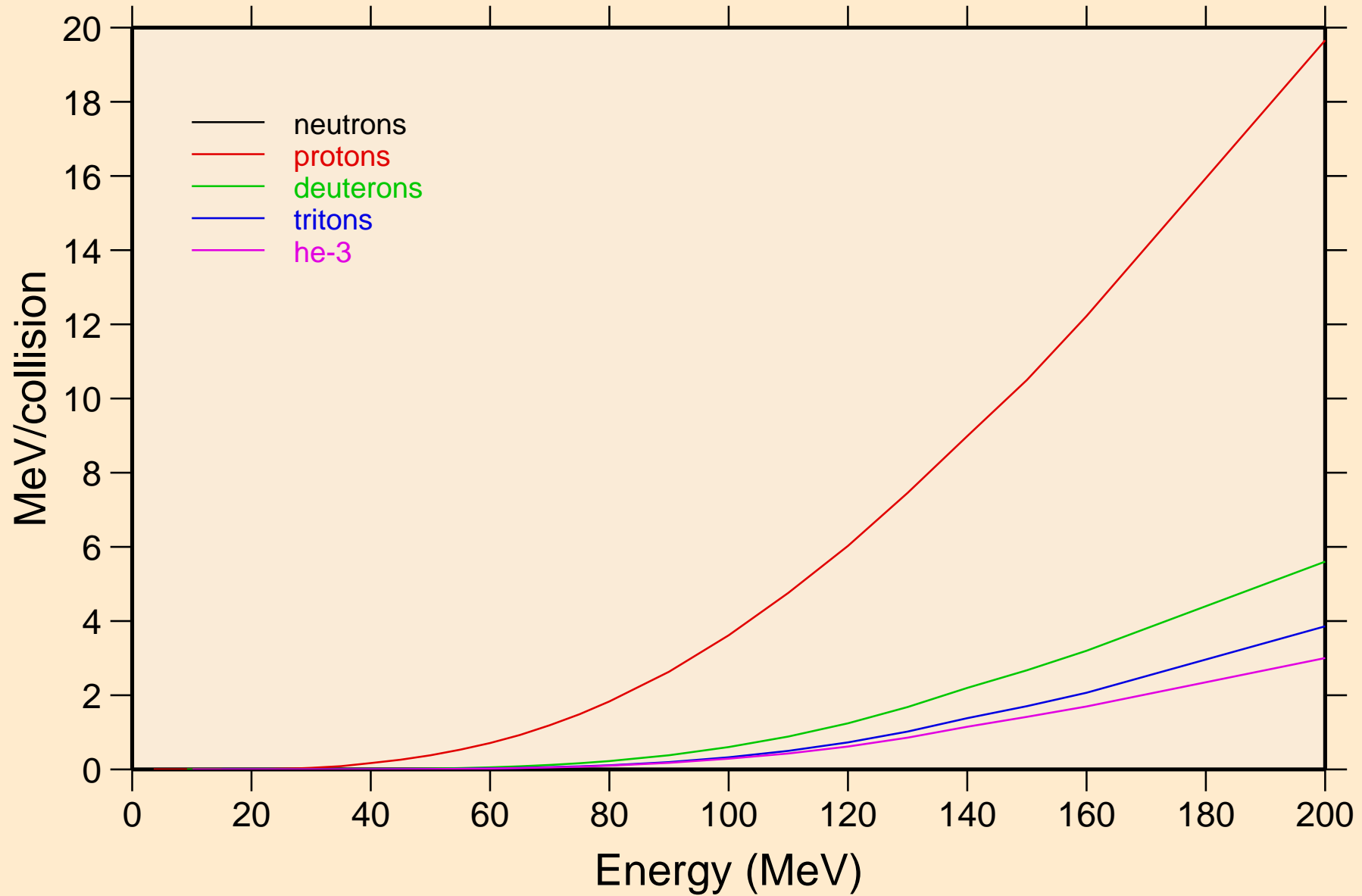
PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

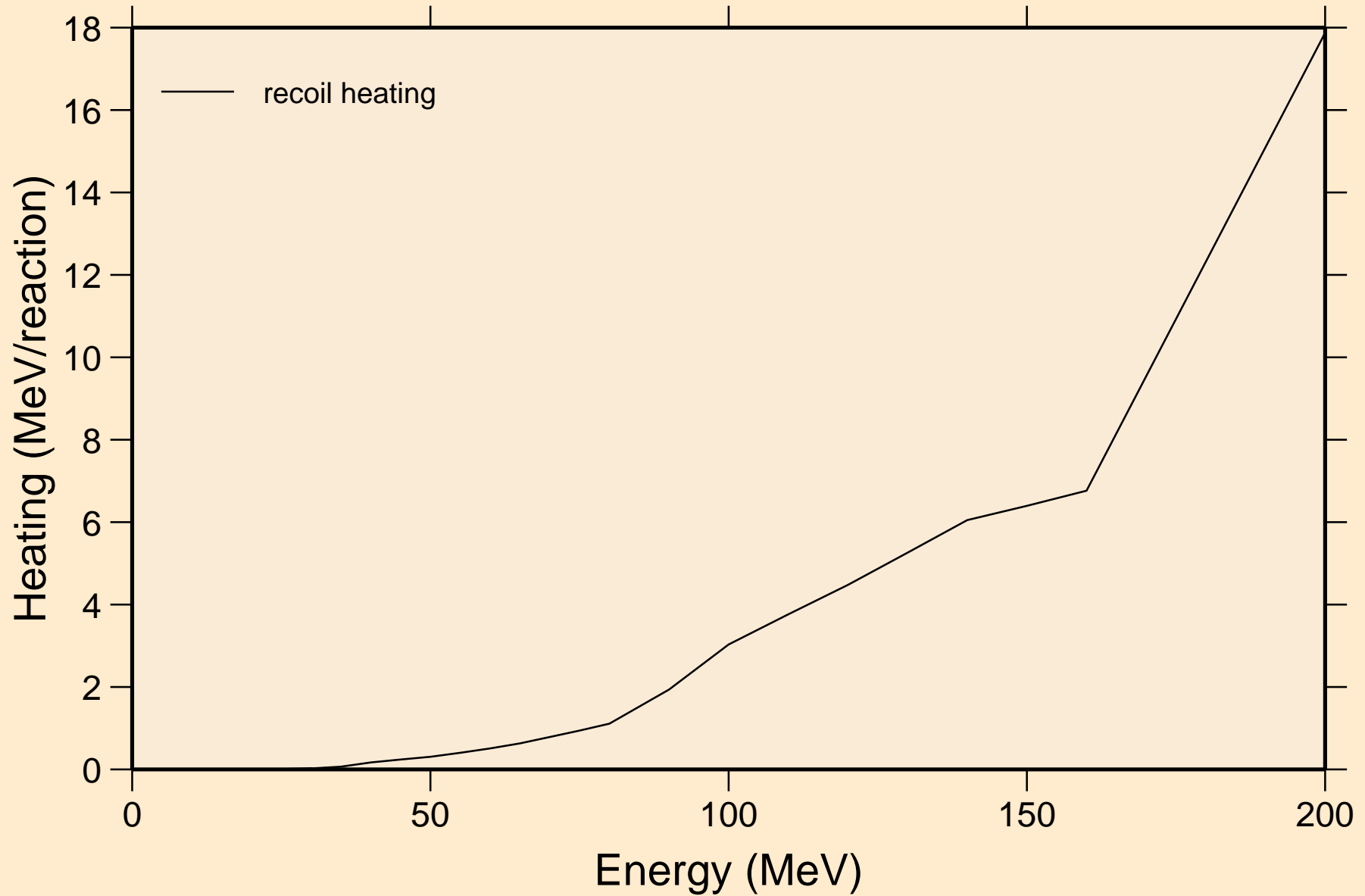


PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions

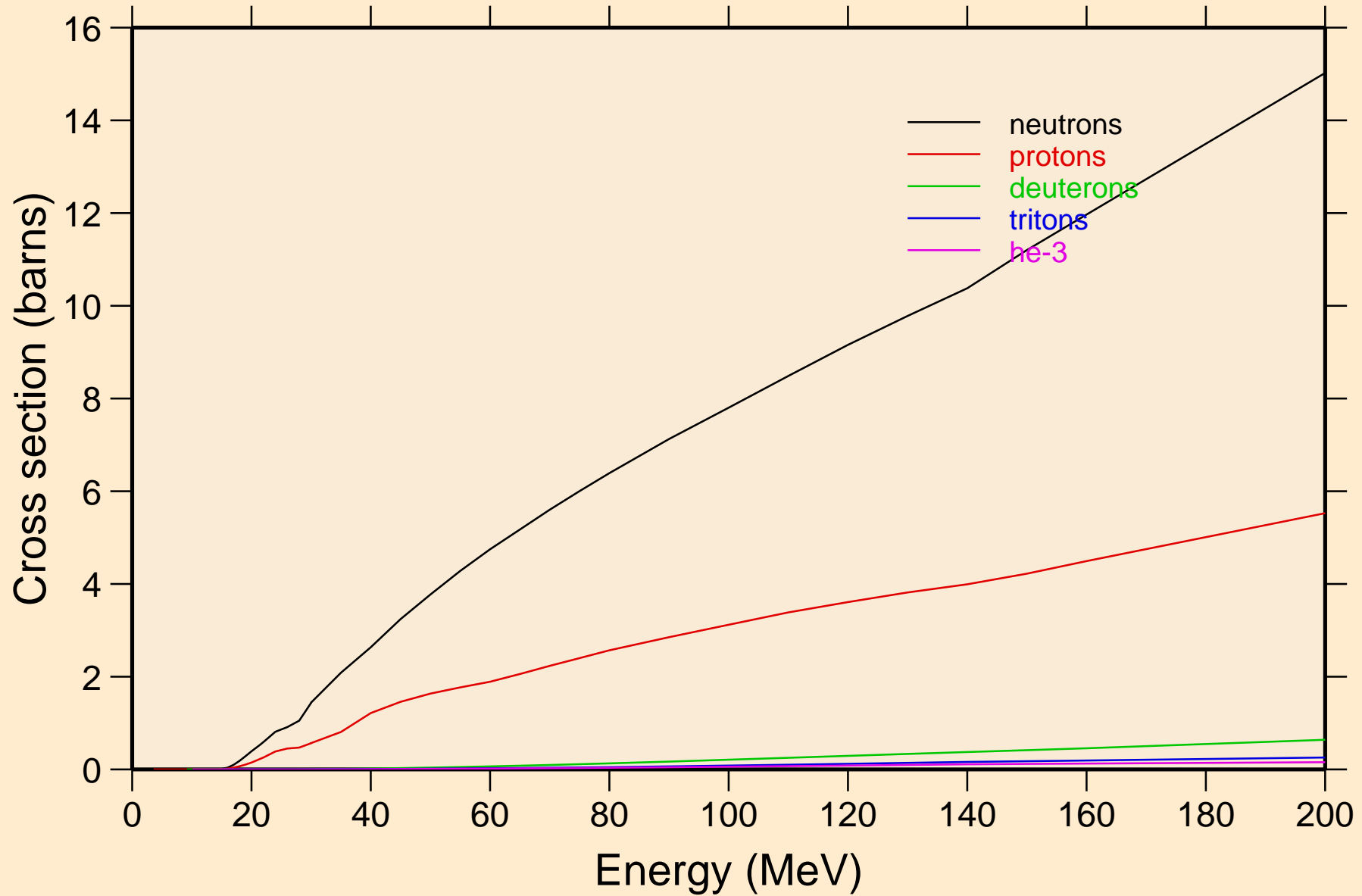


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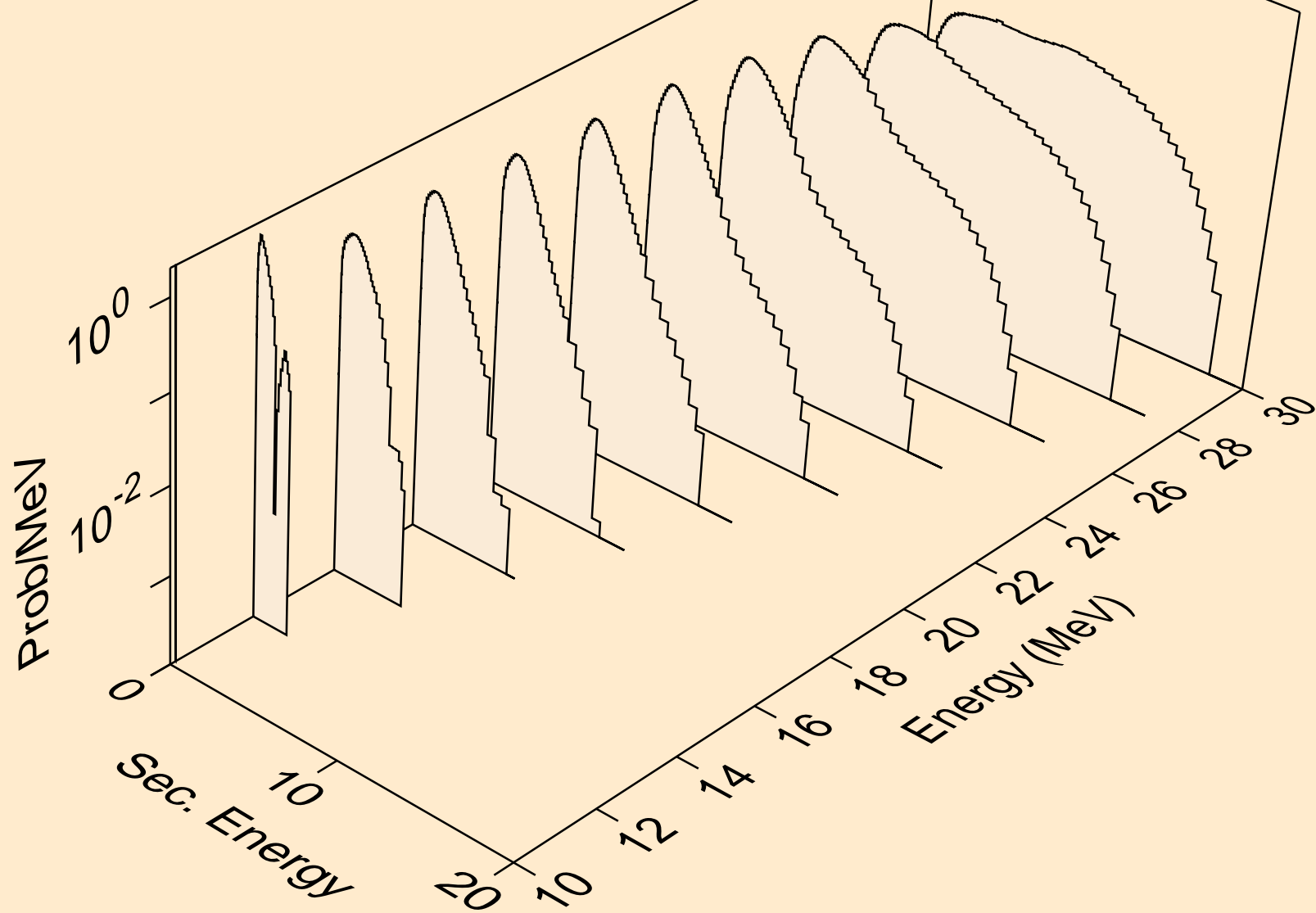
### Recoil Heating



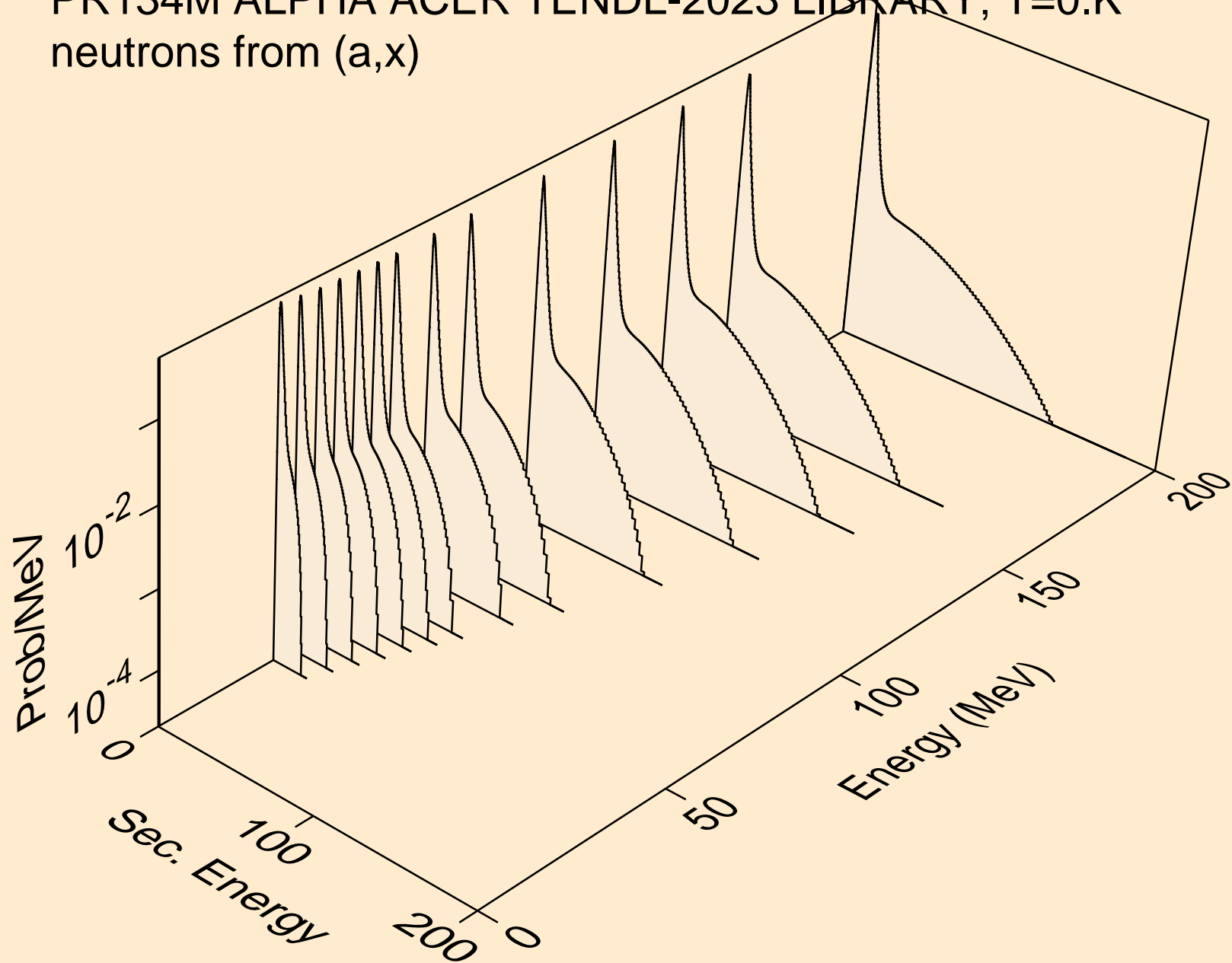
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Particle production cross sections



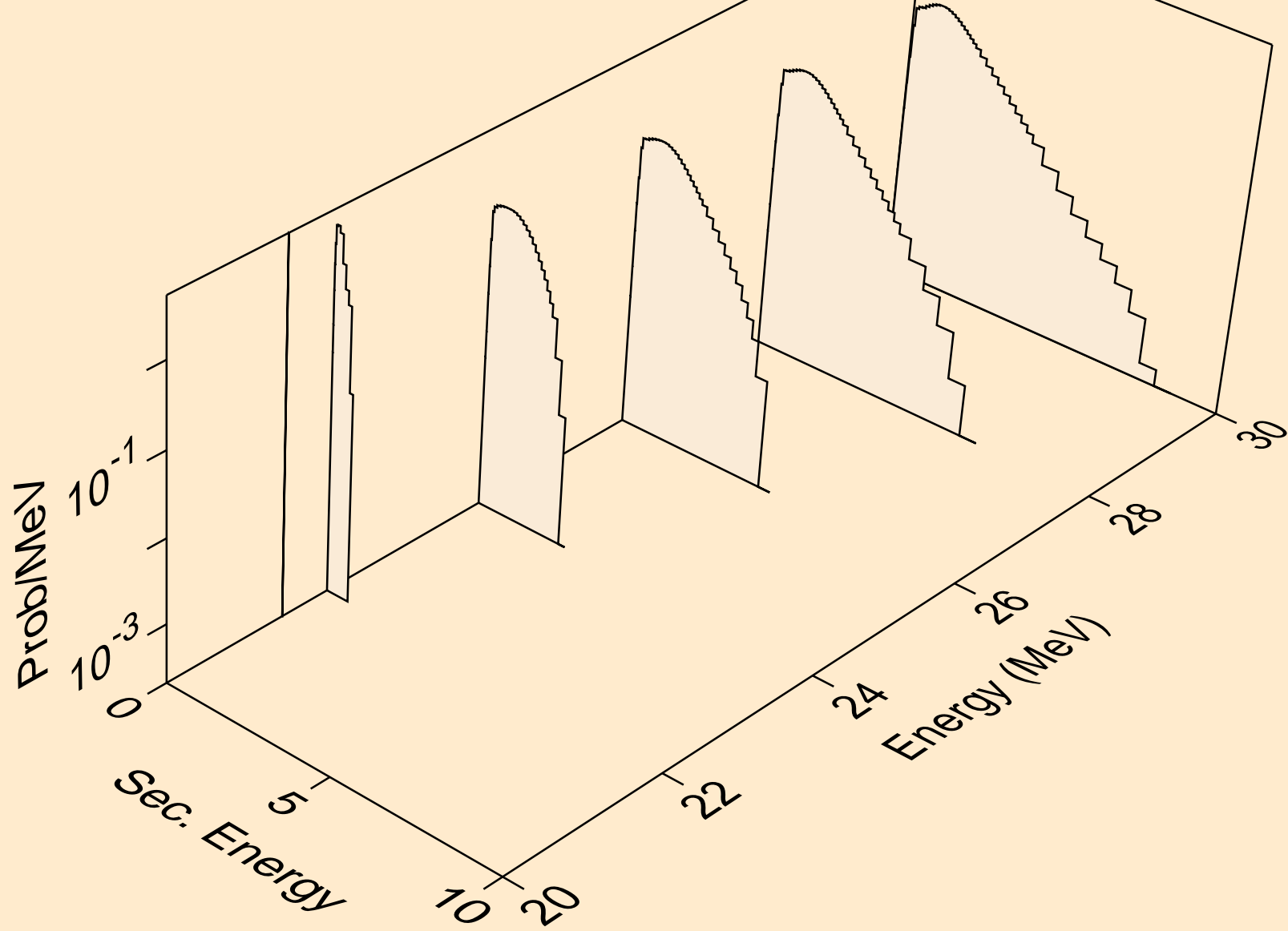
PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n)



PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,x)

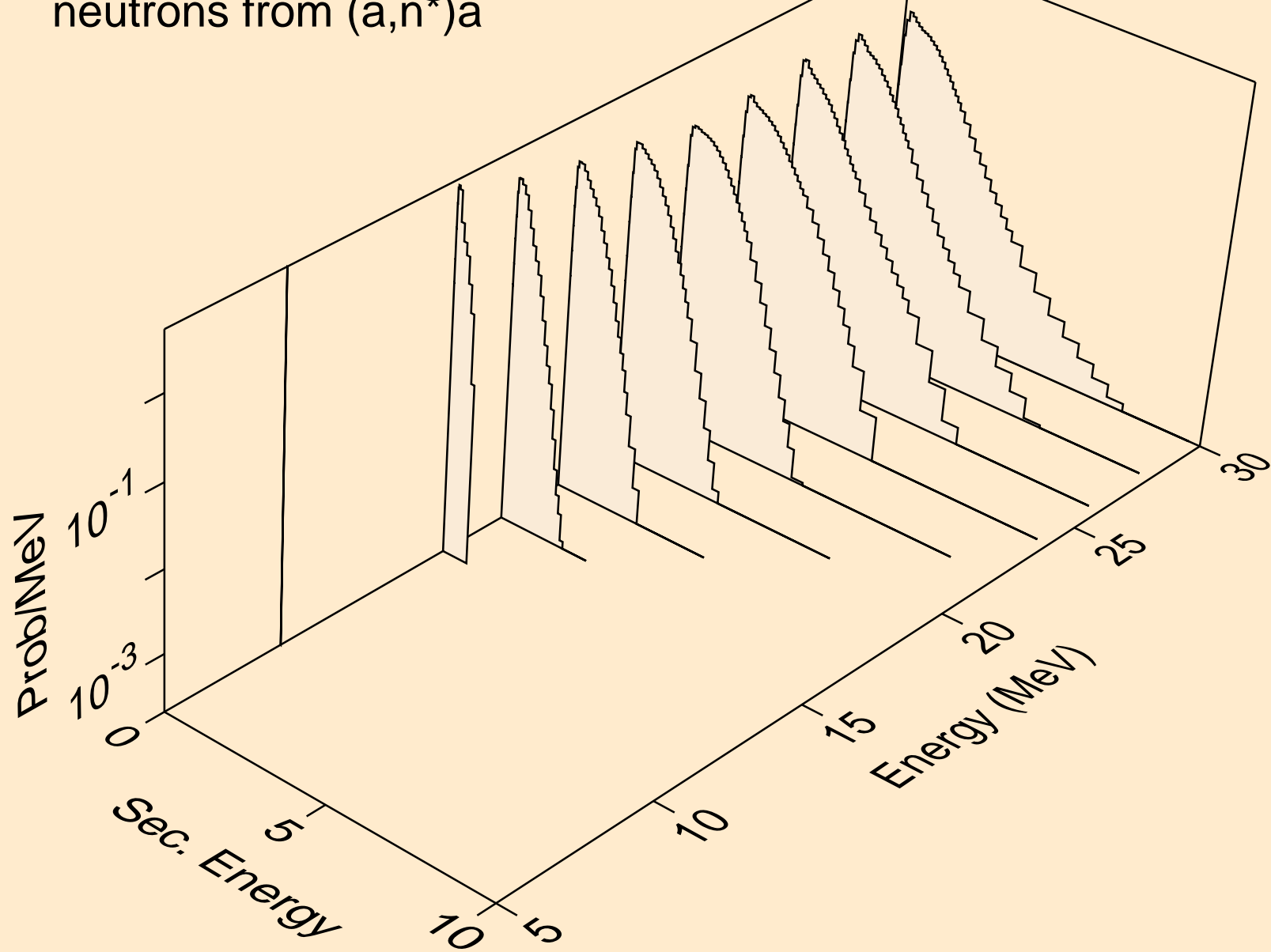


PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2n)

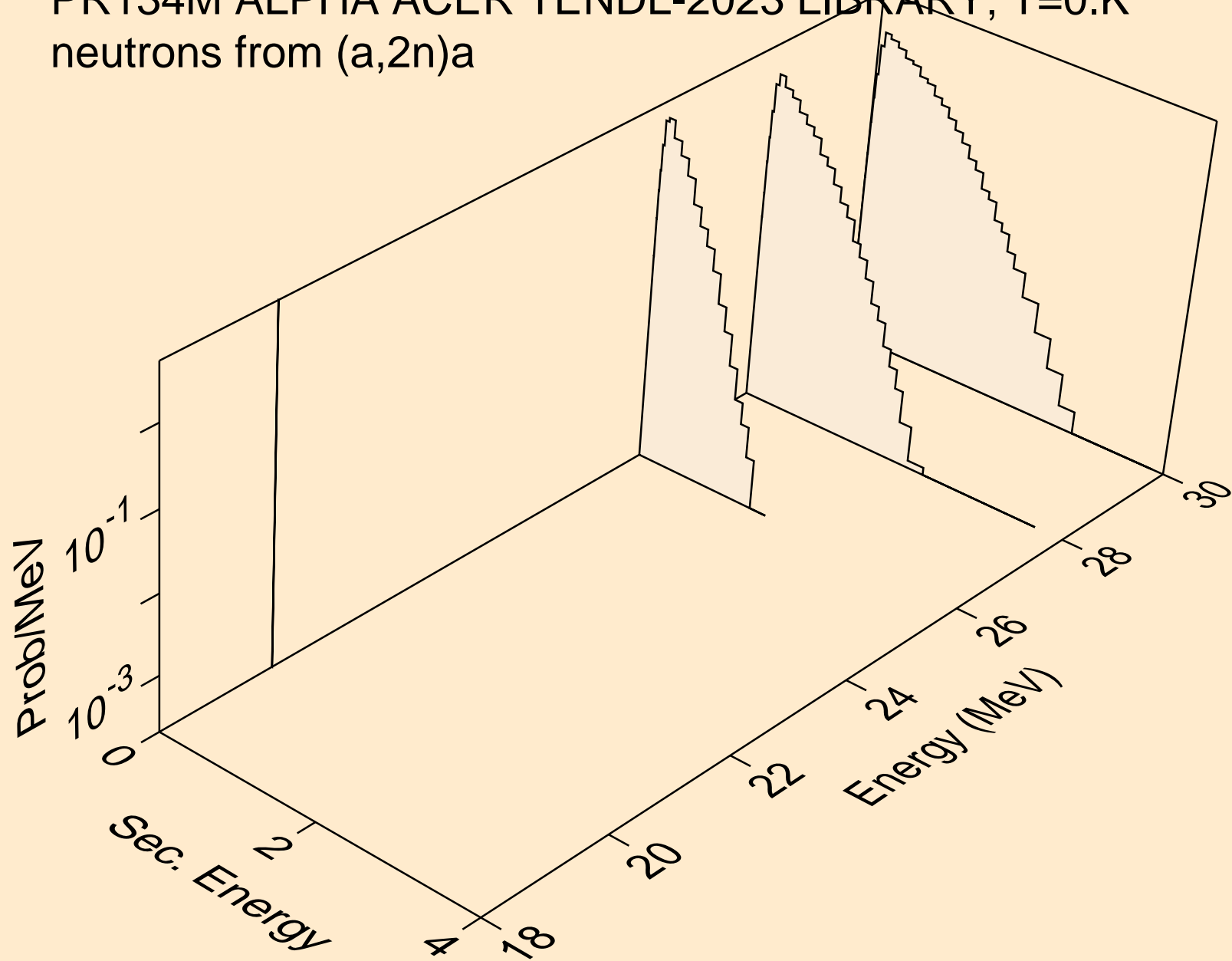




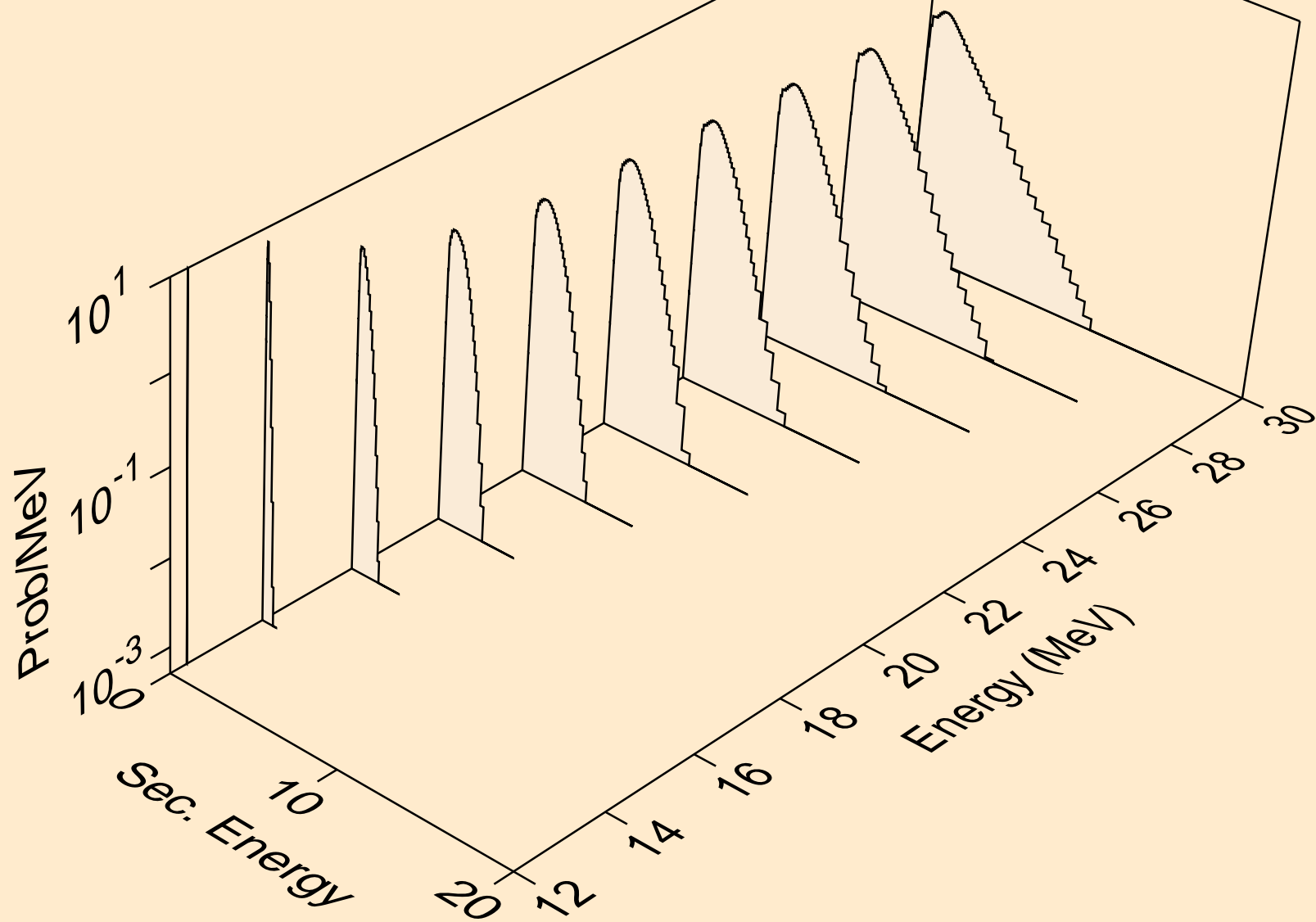
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neutrons from (a,n\*)a



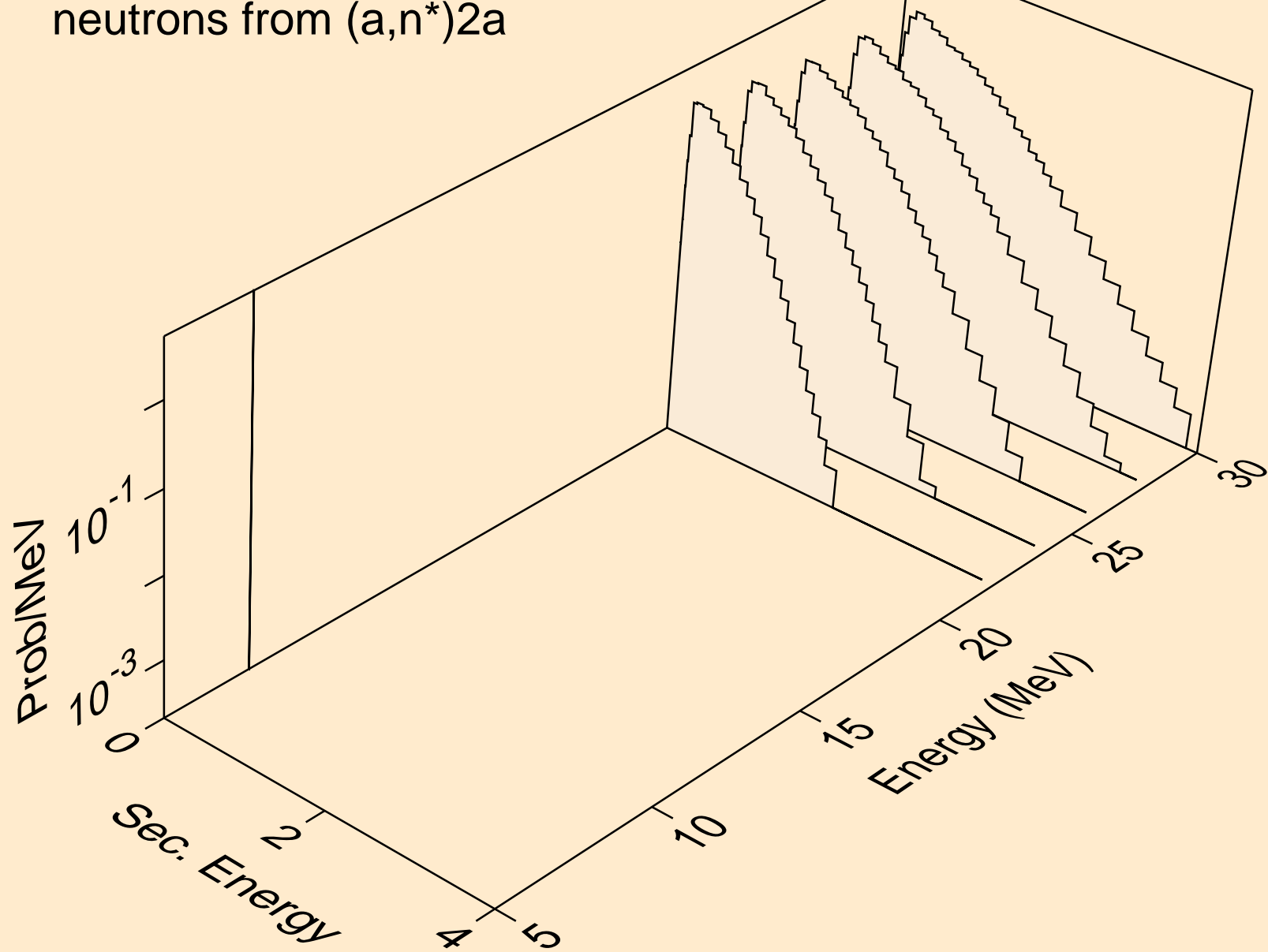
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neutrons from (a,2n)a



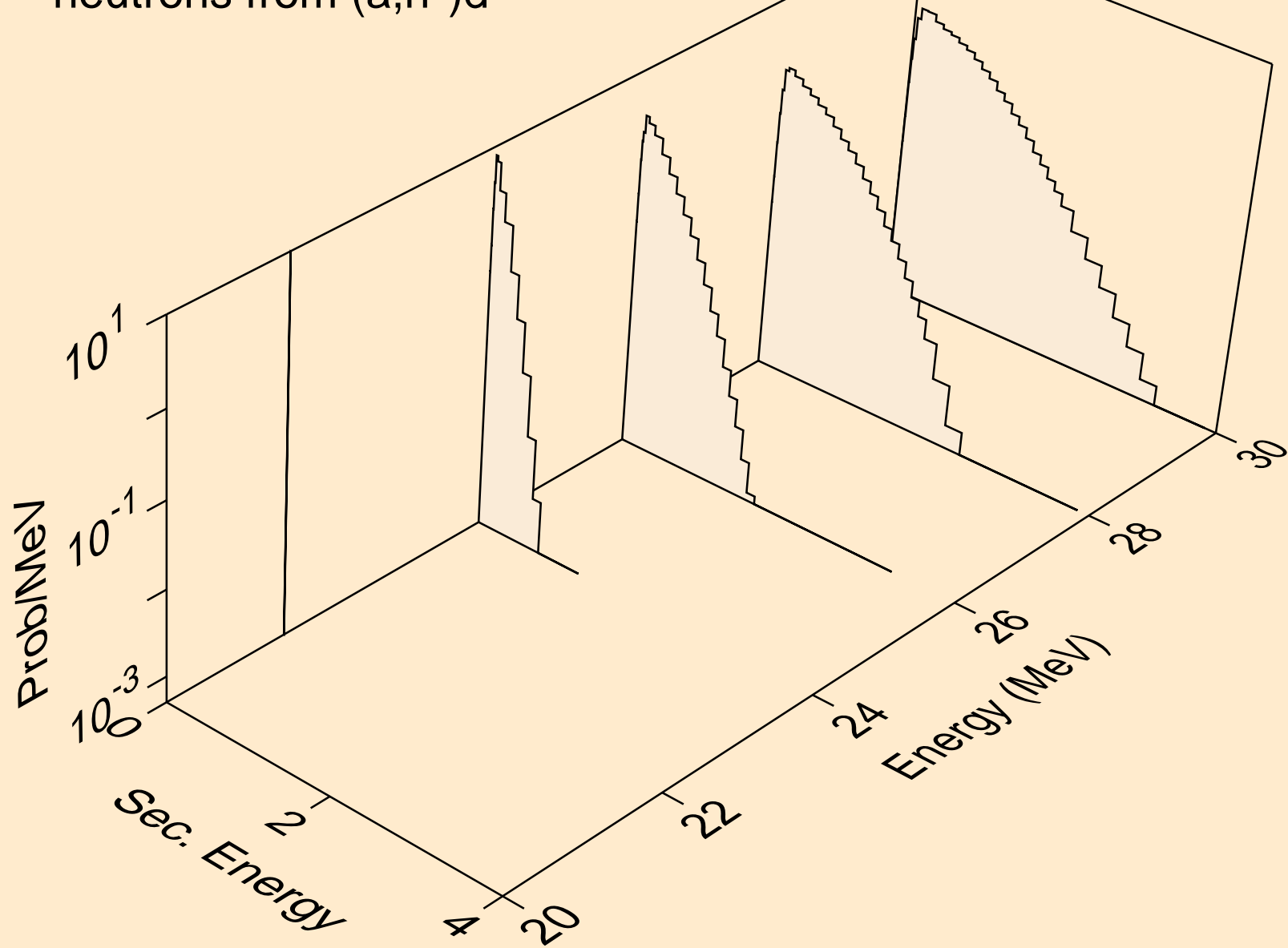
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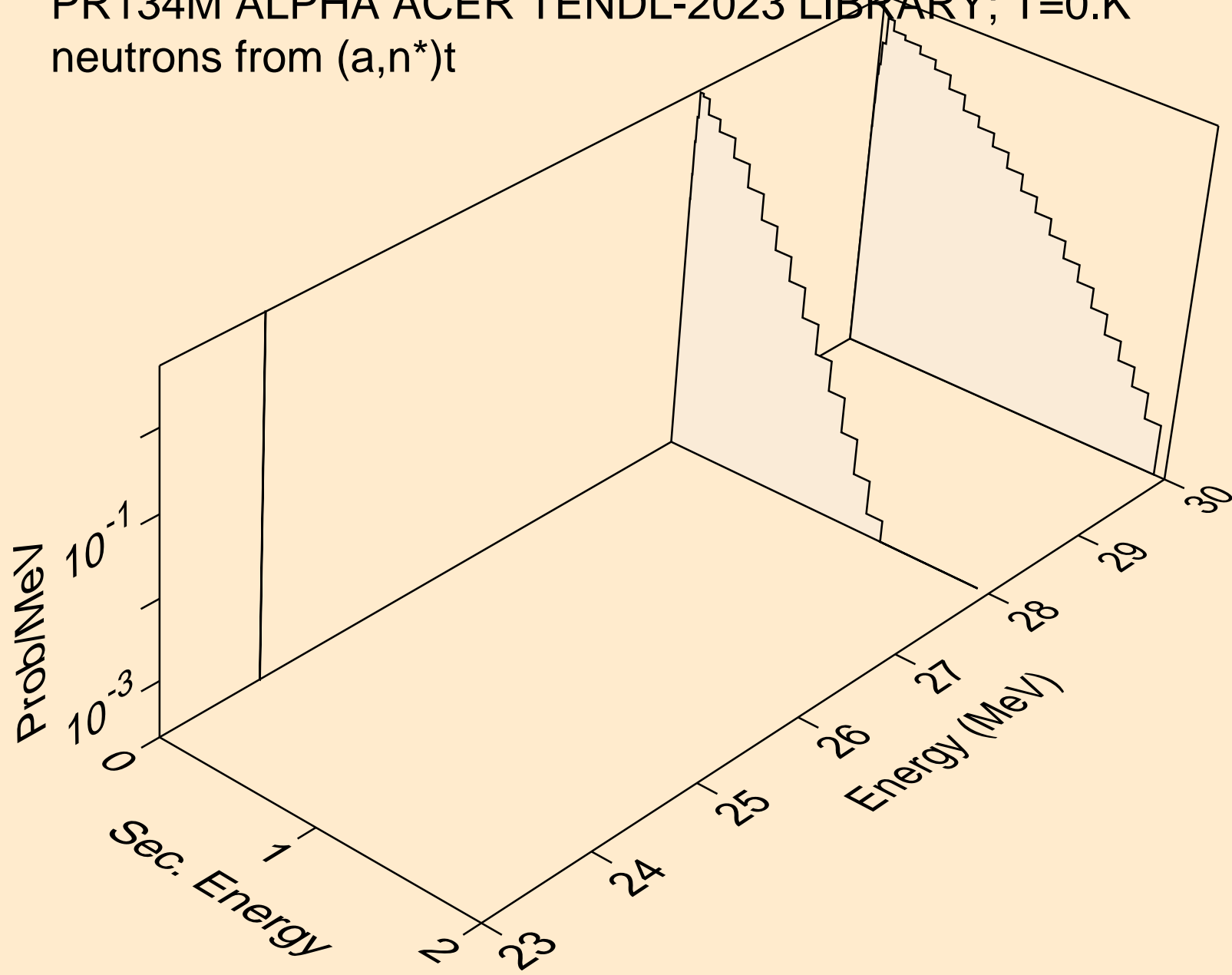
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neutrons from (a,n\*)2a



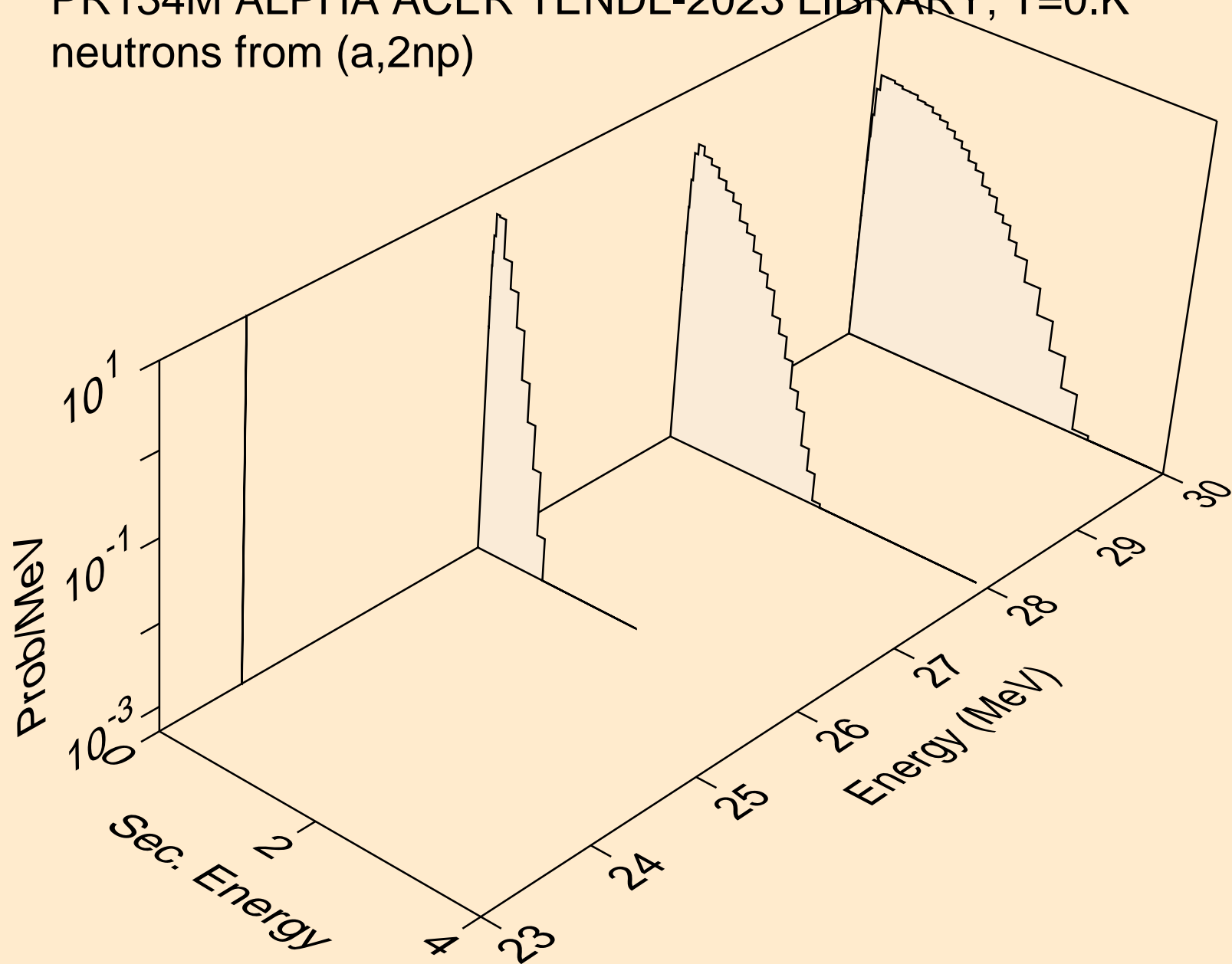
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neutrons from (a,n\*)d



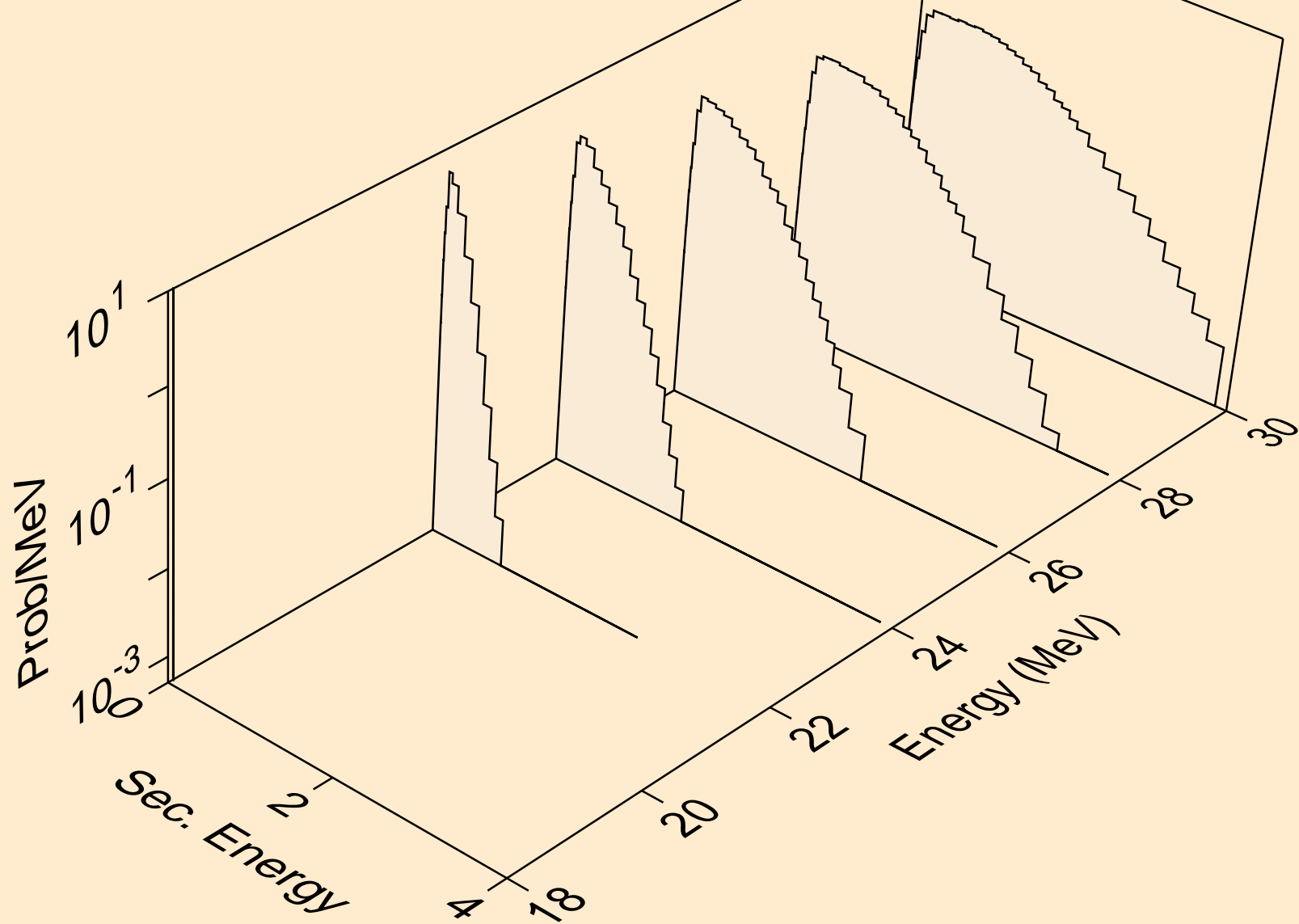
PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)t



PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2np)

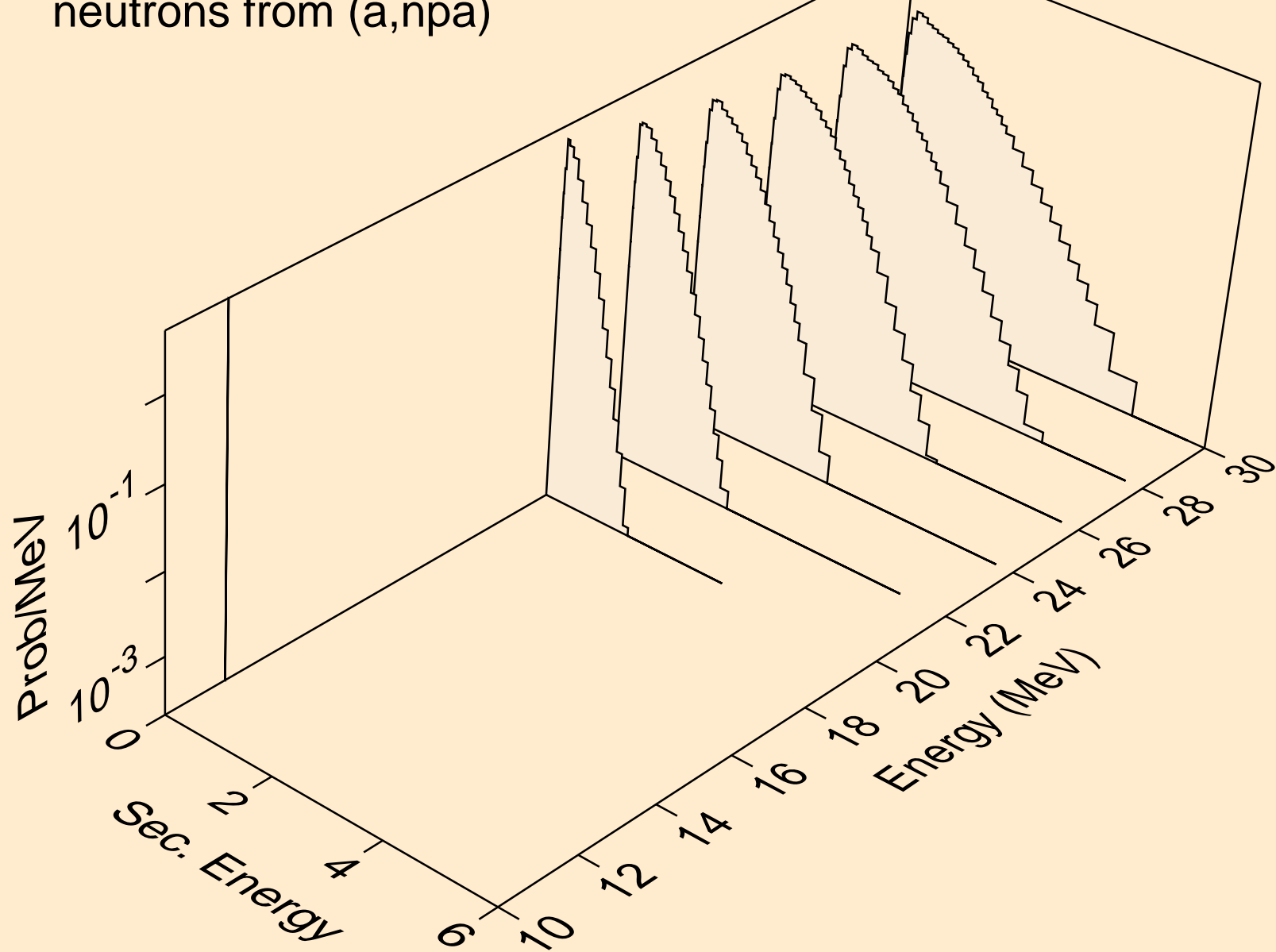


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neutrons from (a,n2p)

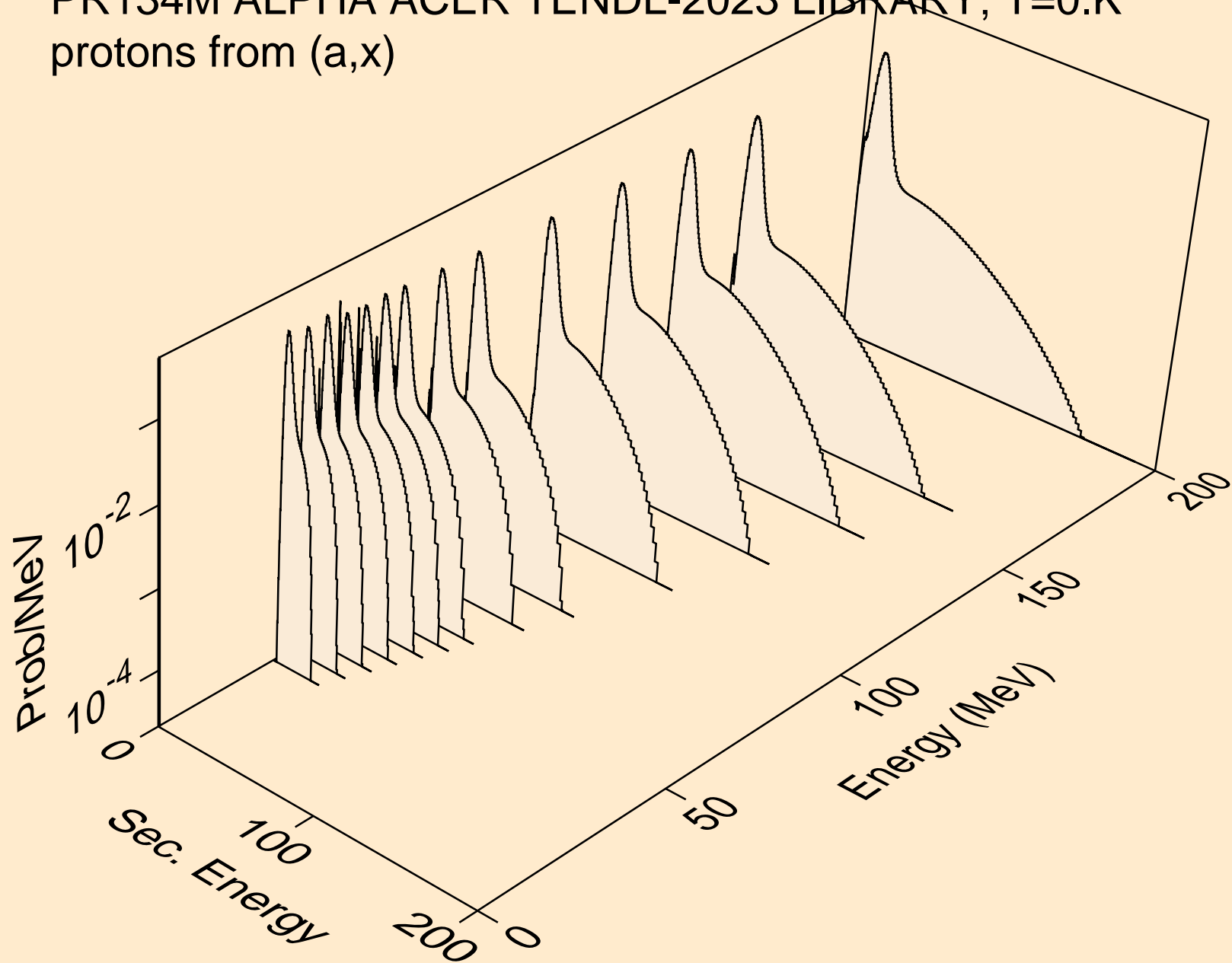




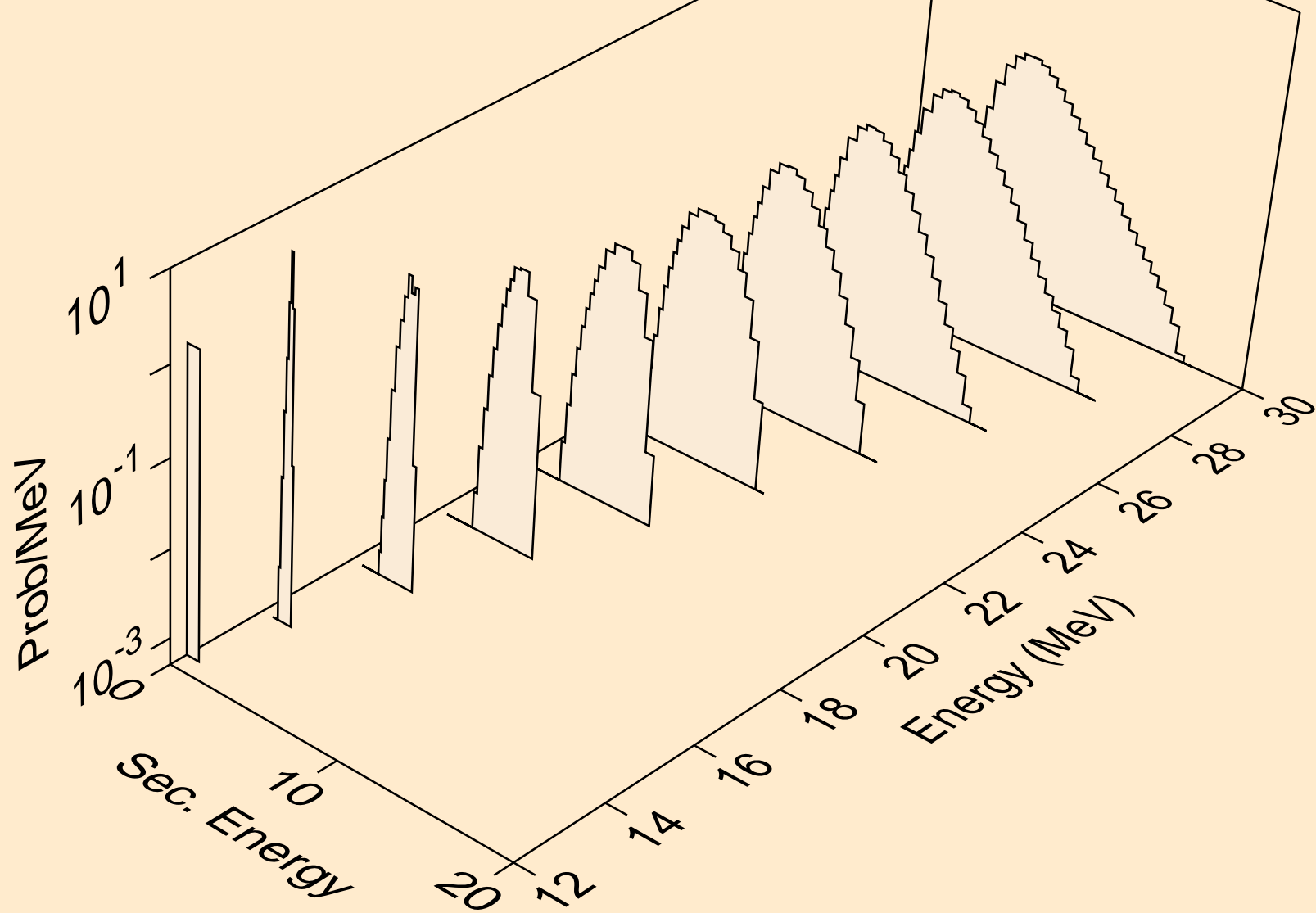
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neutrons from (a,npa)



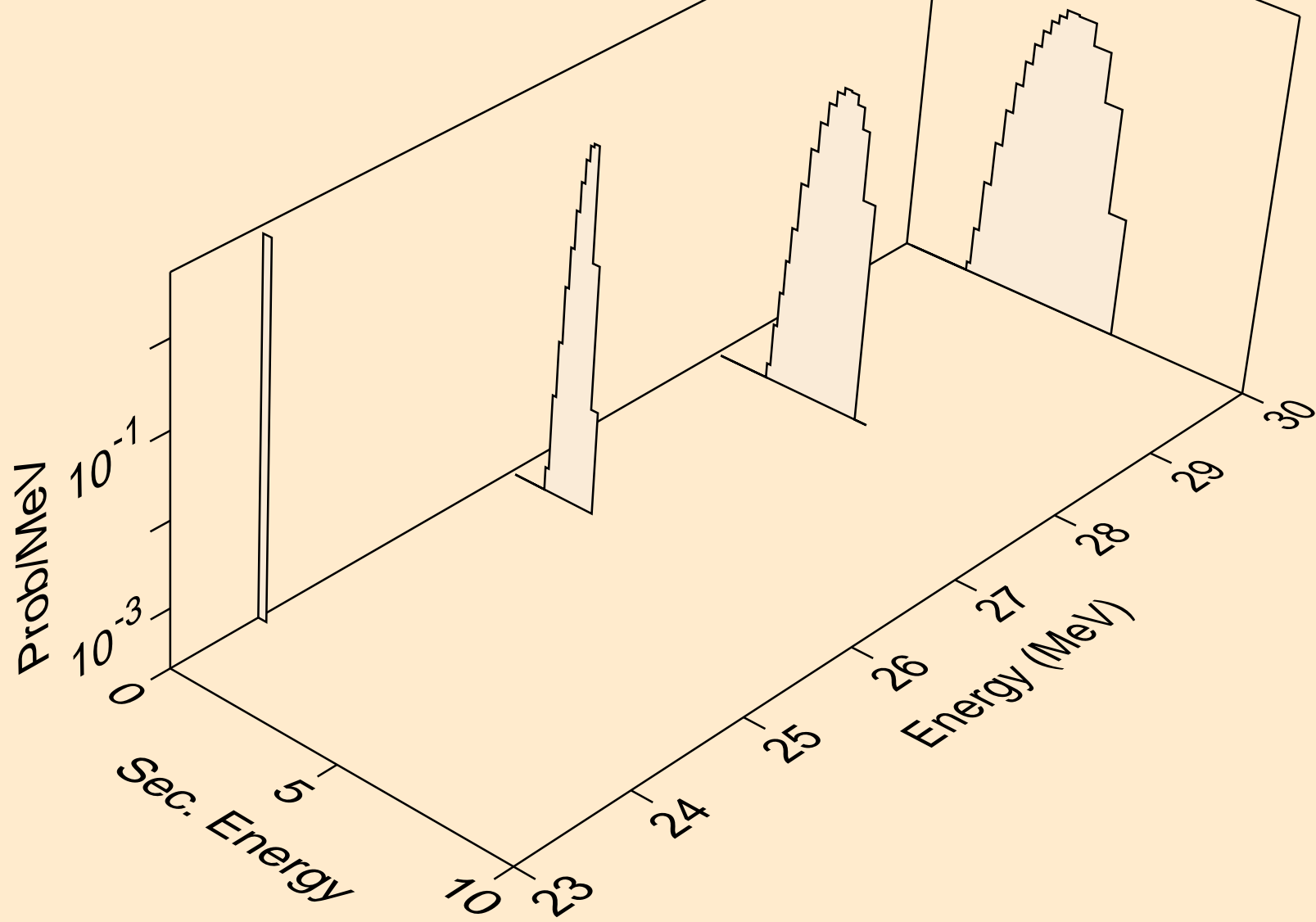
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protons from (a,x)



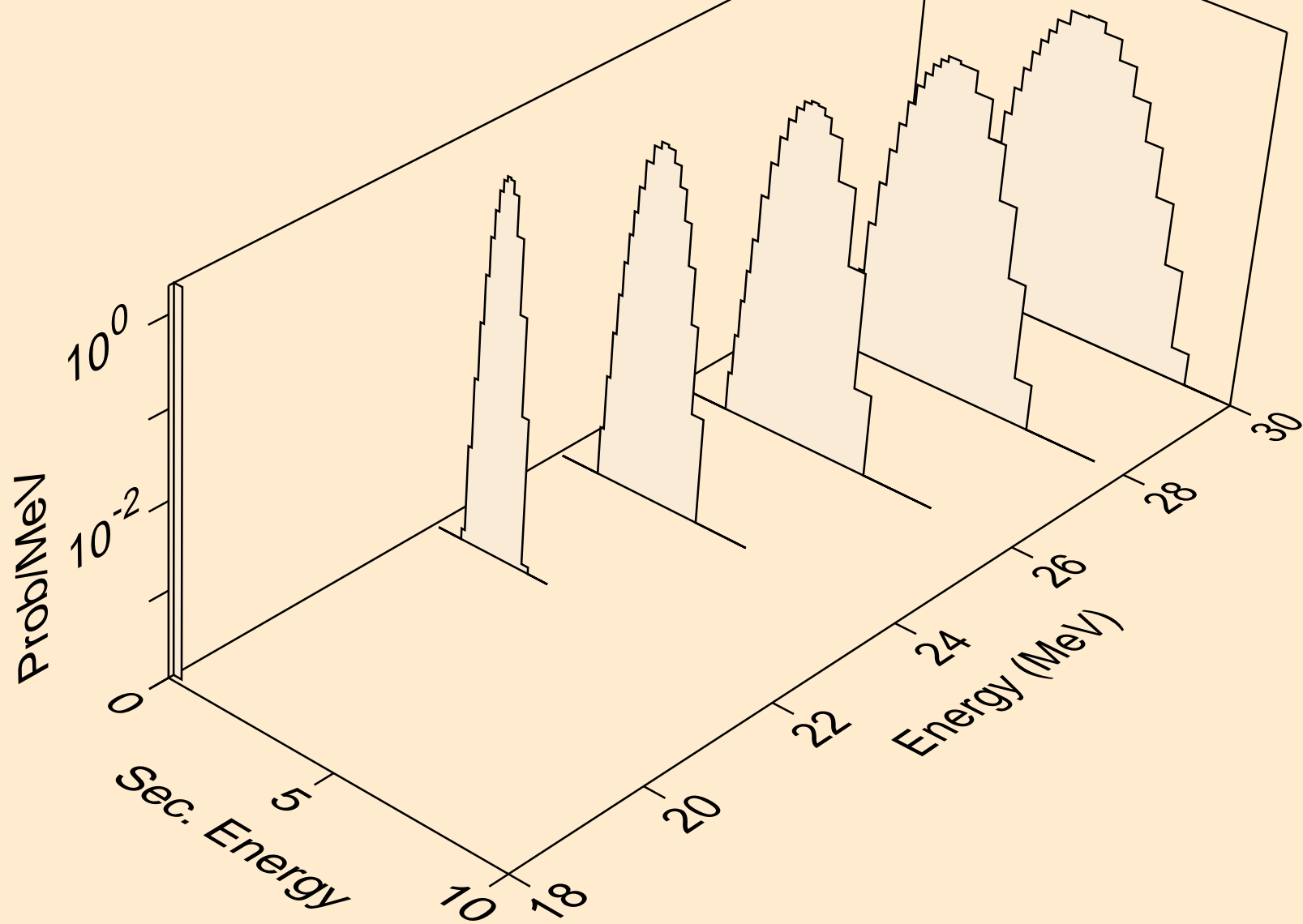
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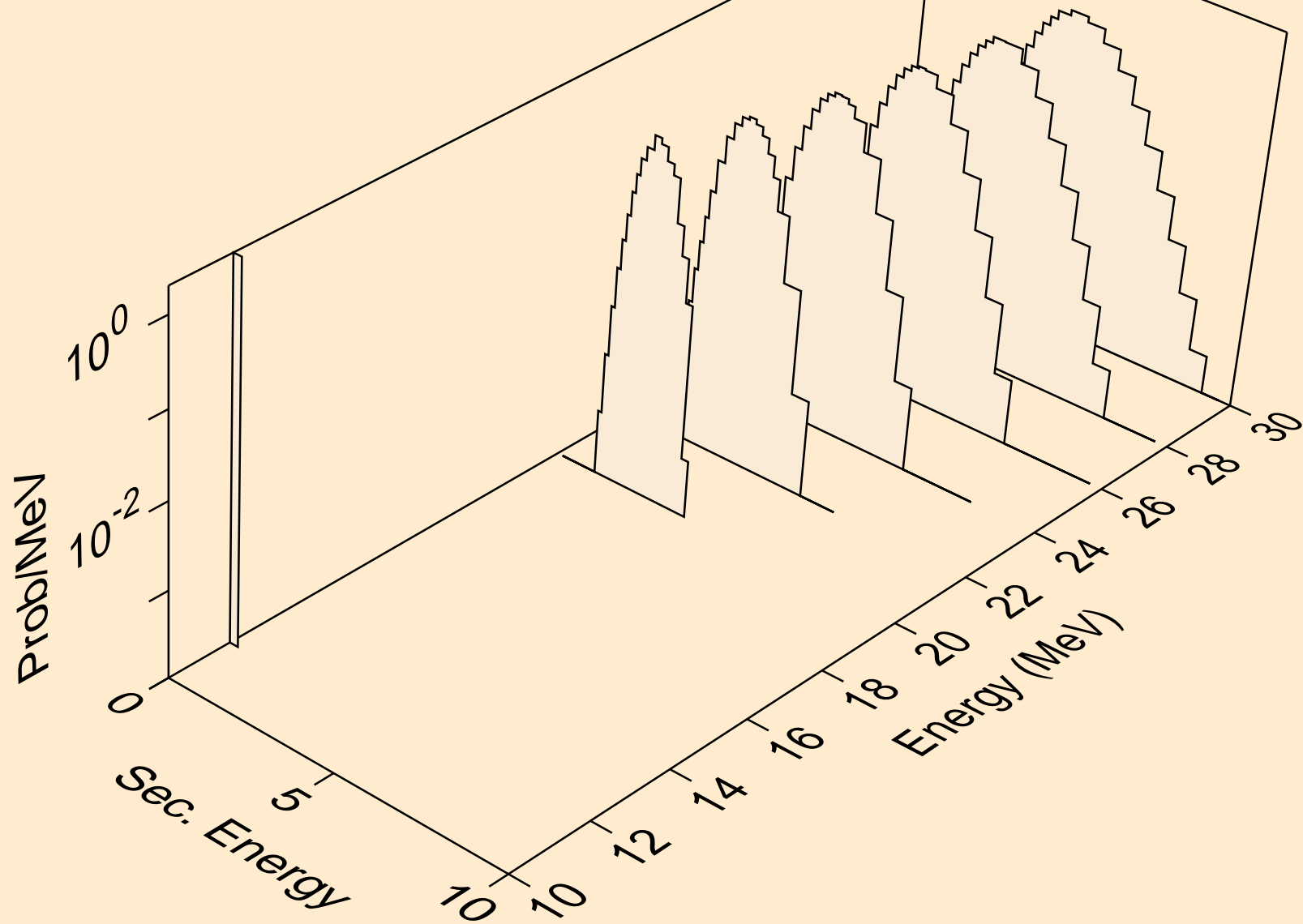
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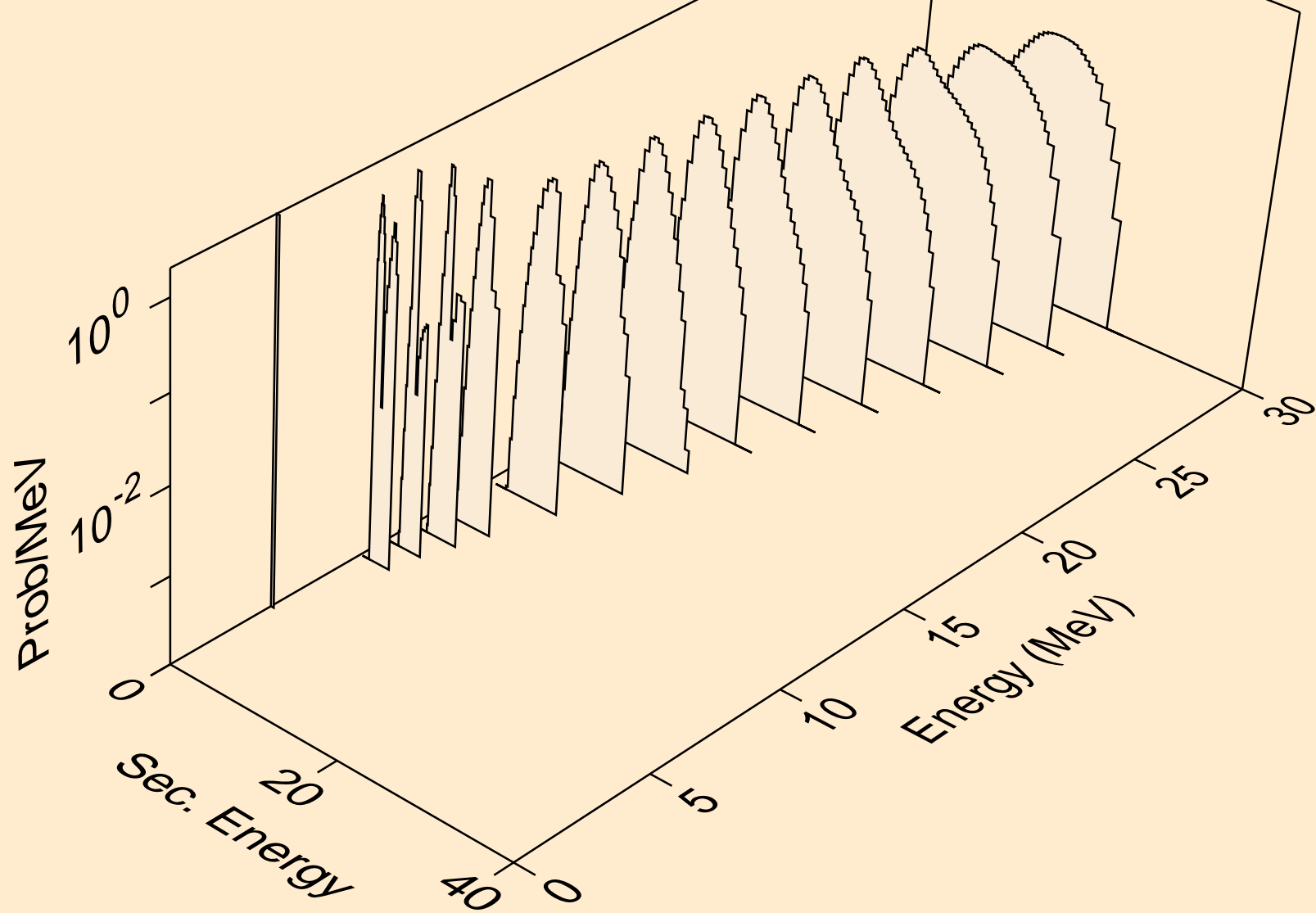
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protons from (a,n2p)



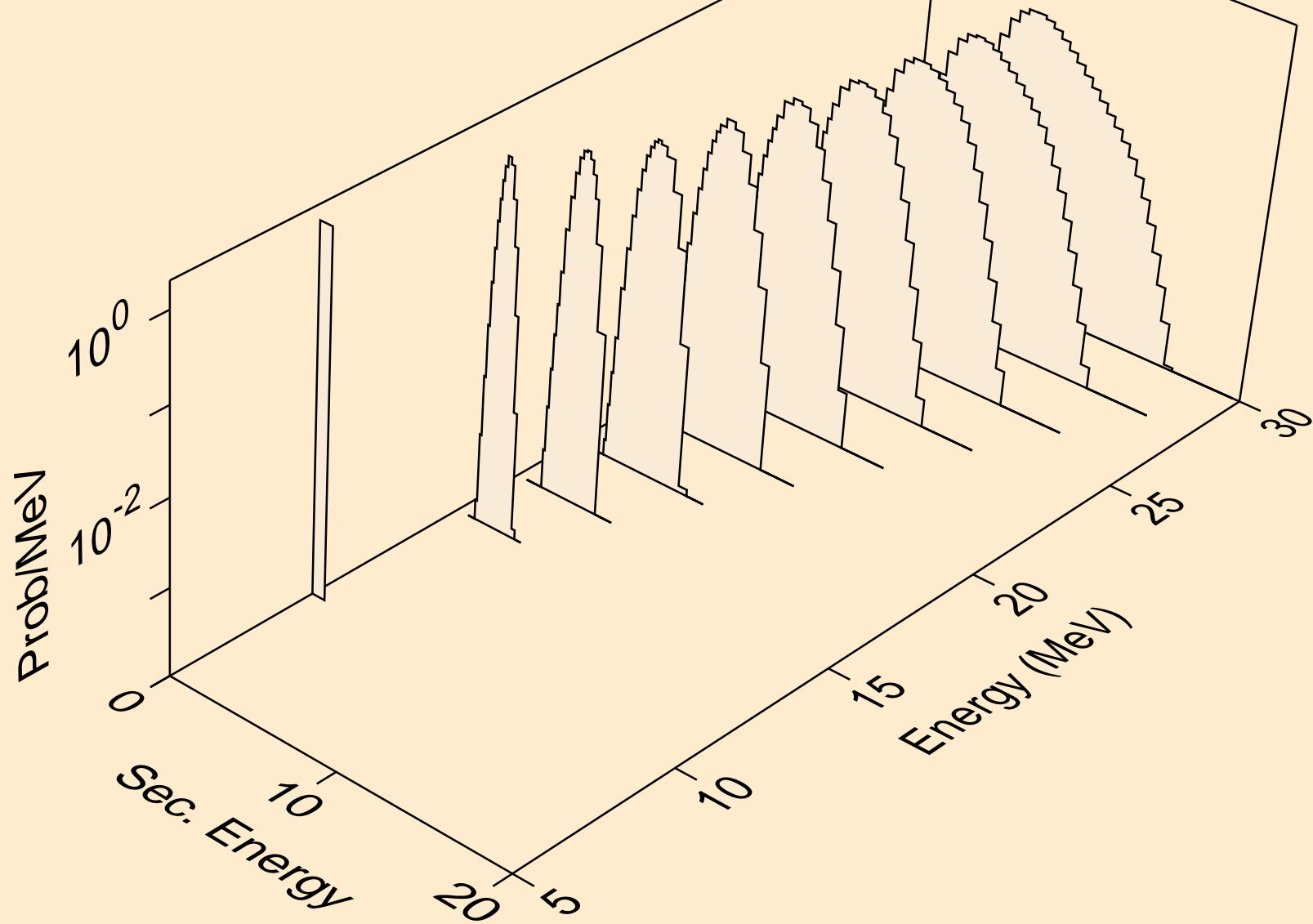
PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,npa)



PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,p)

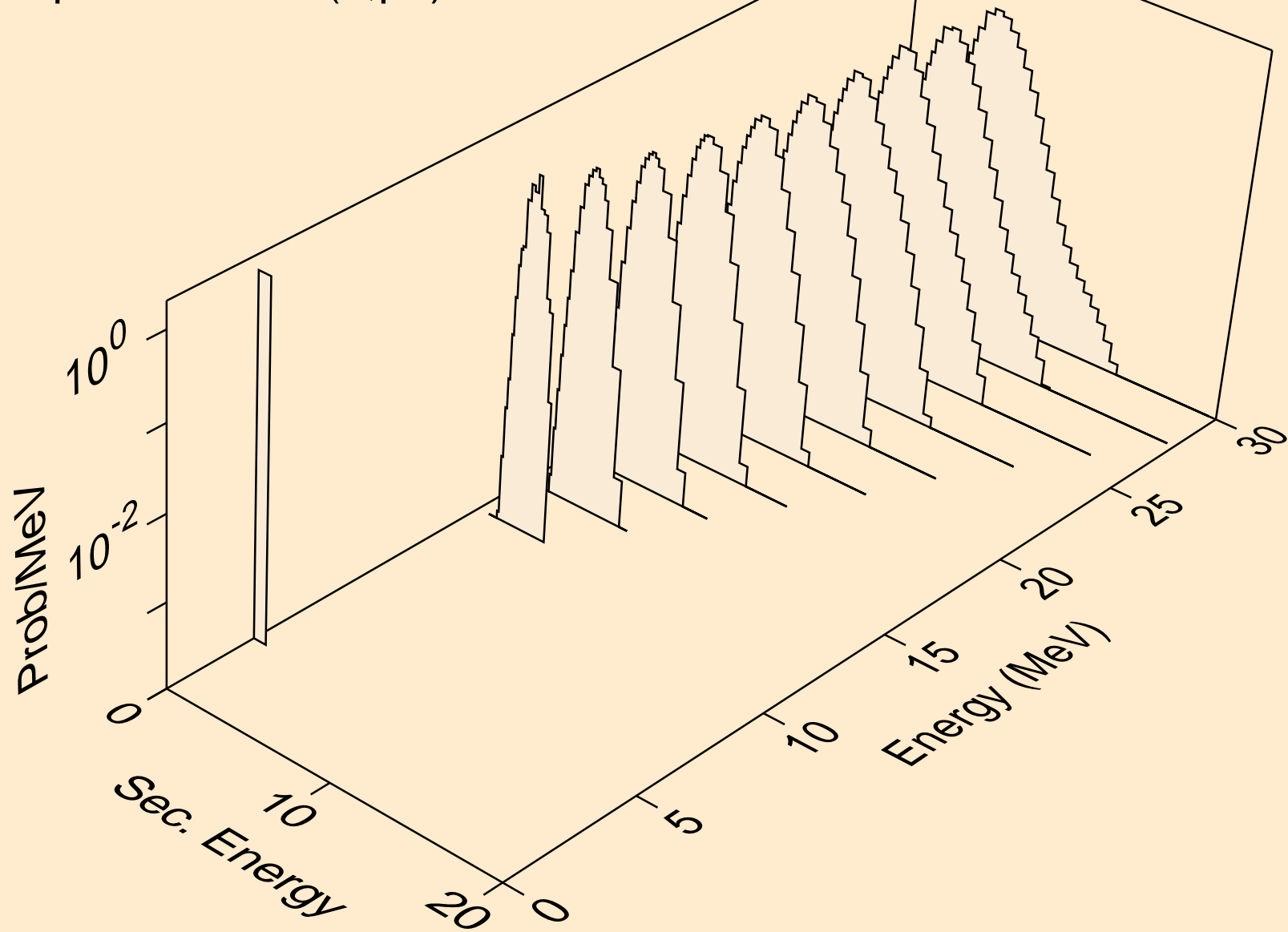


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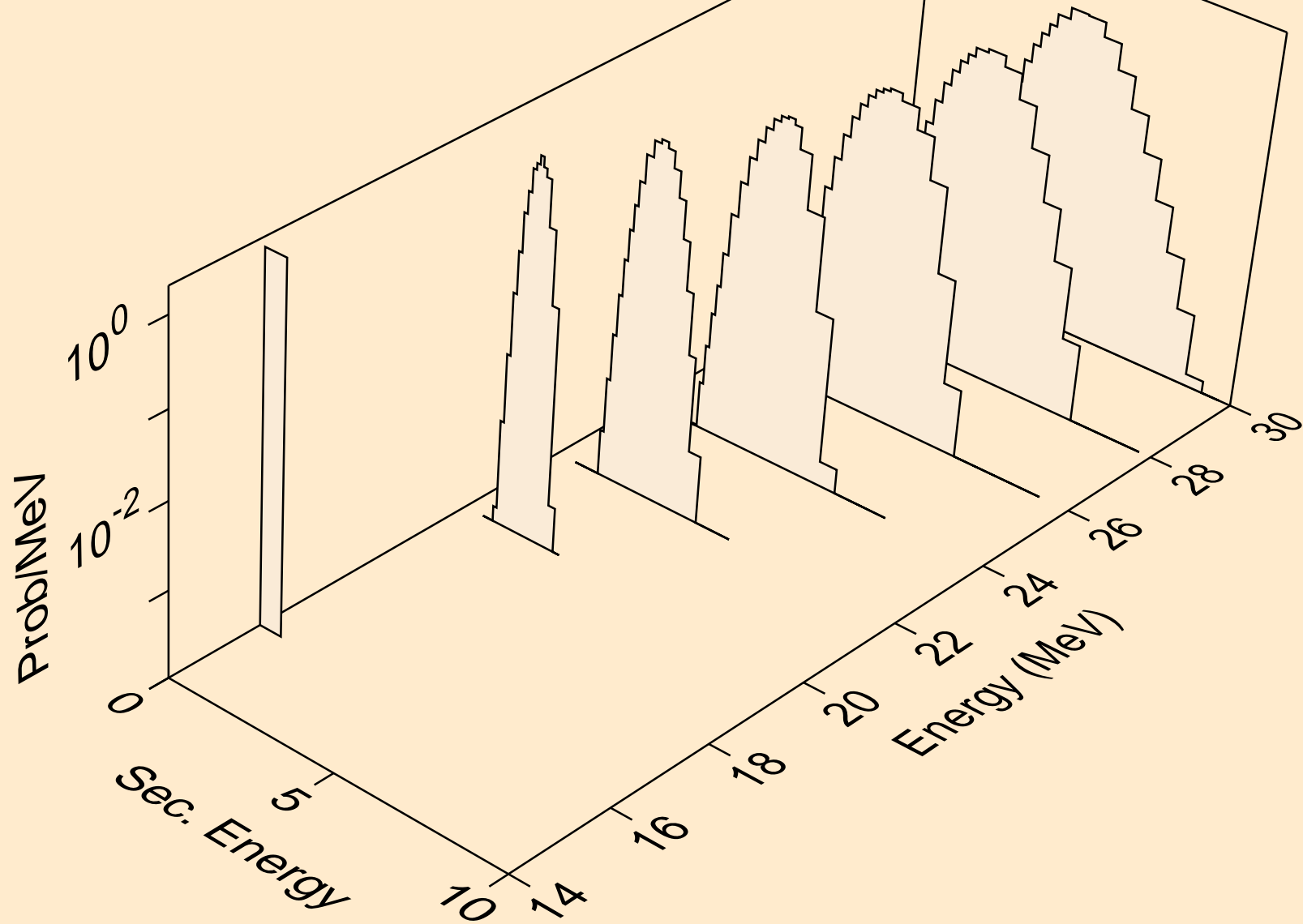




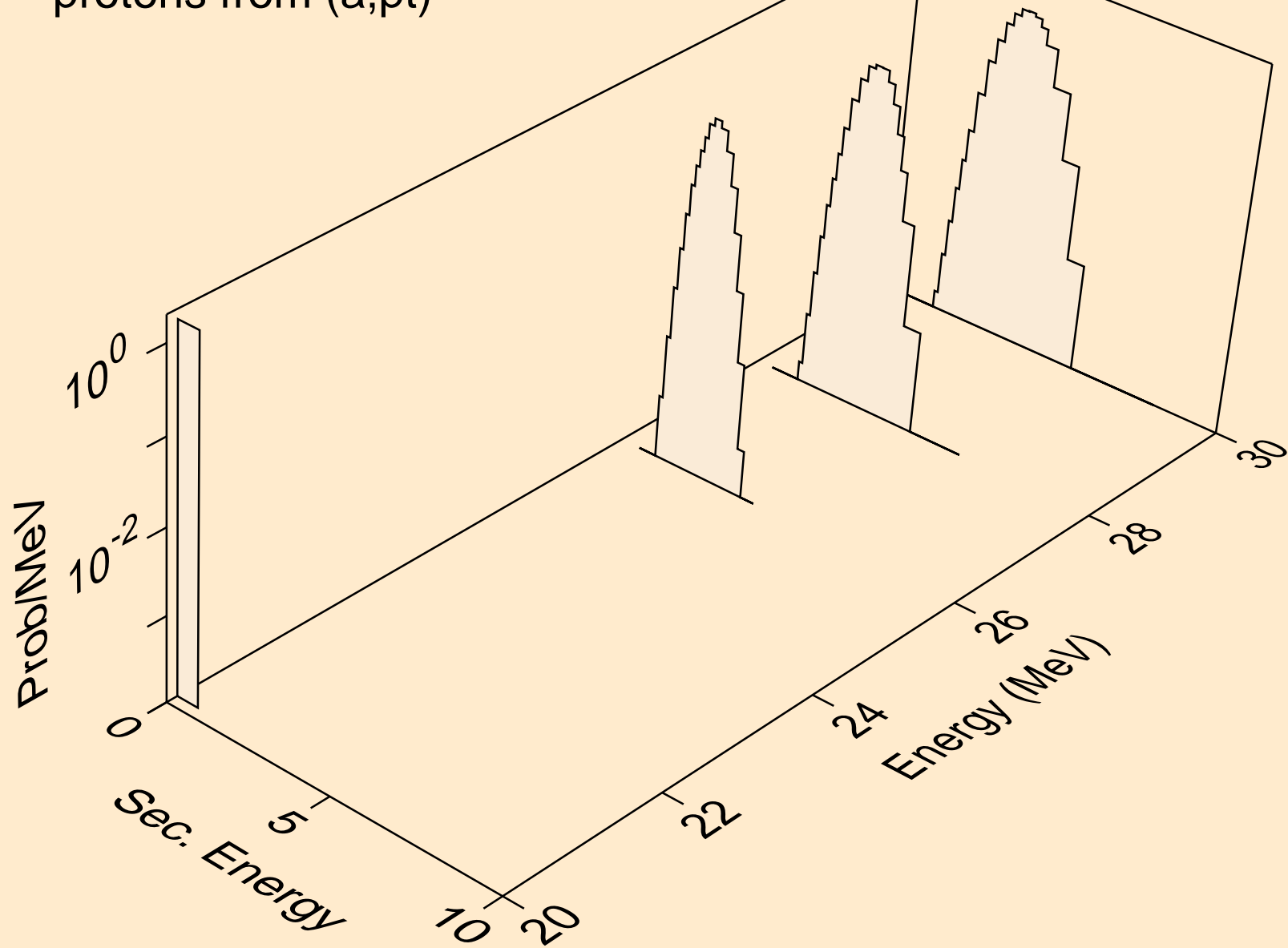
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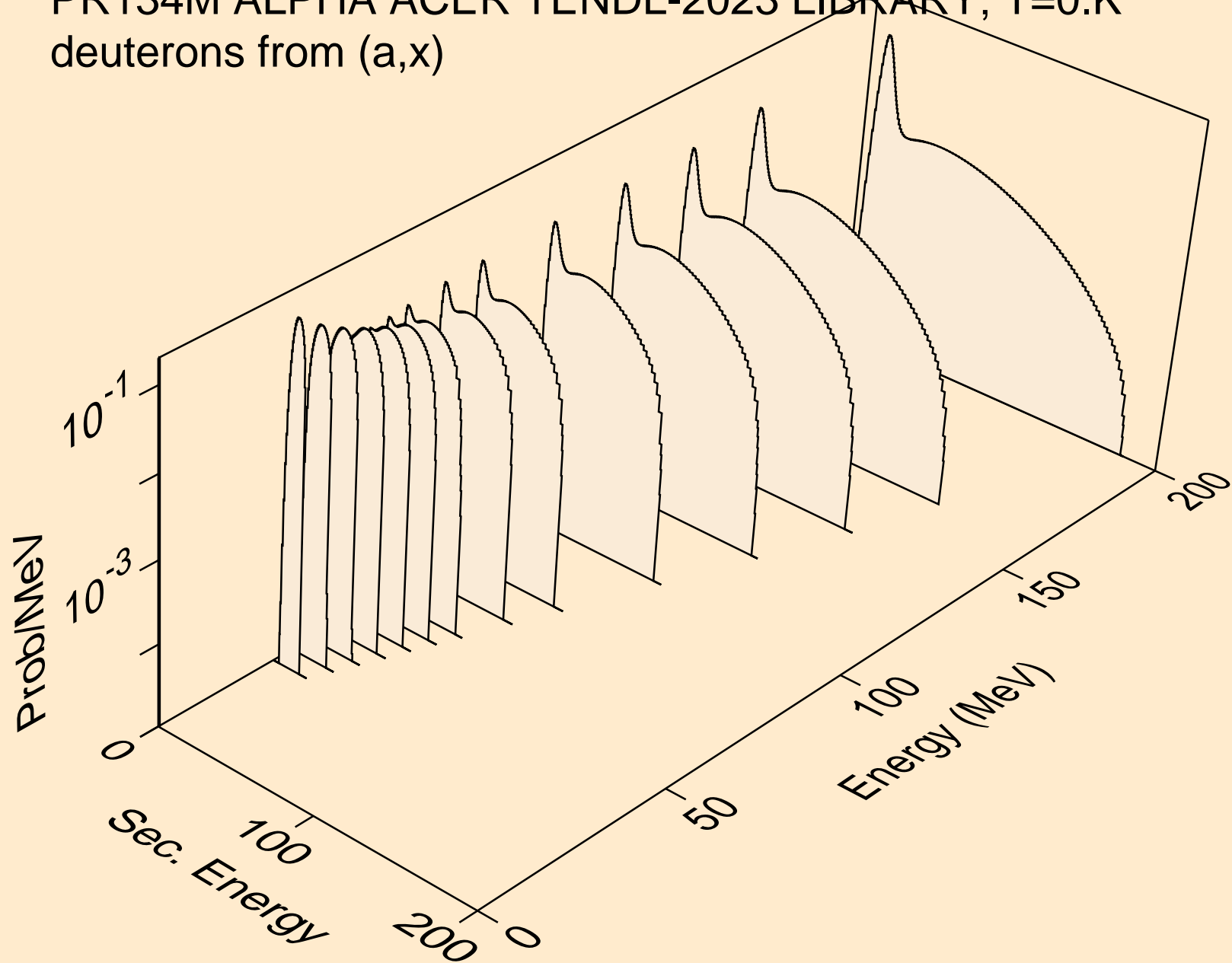
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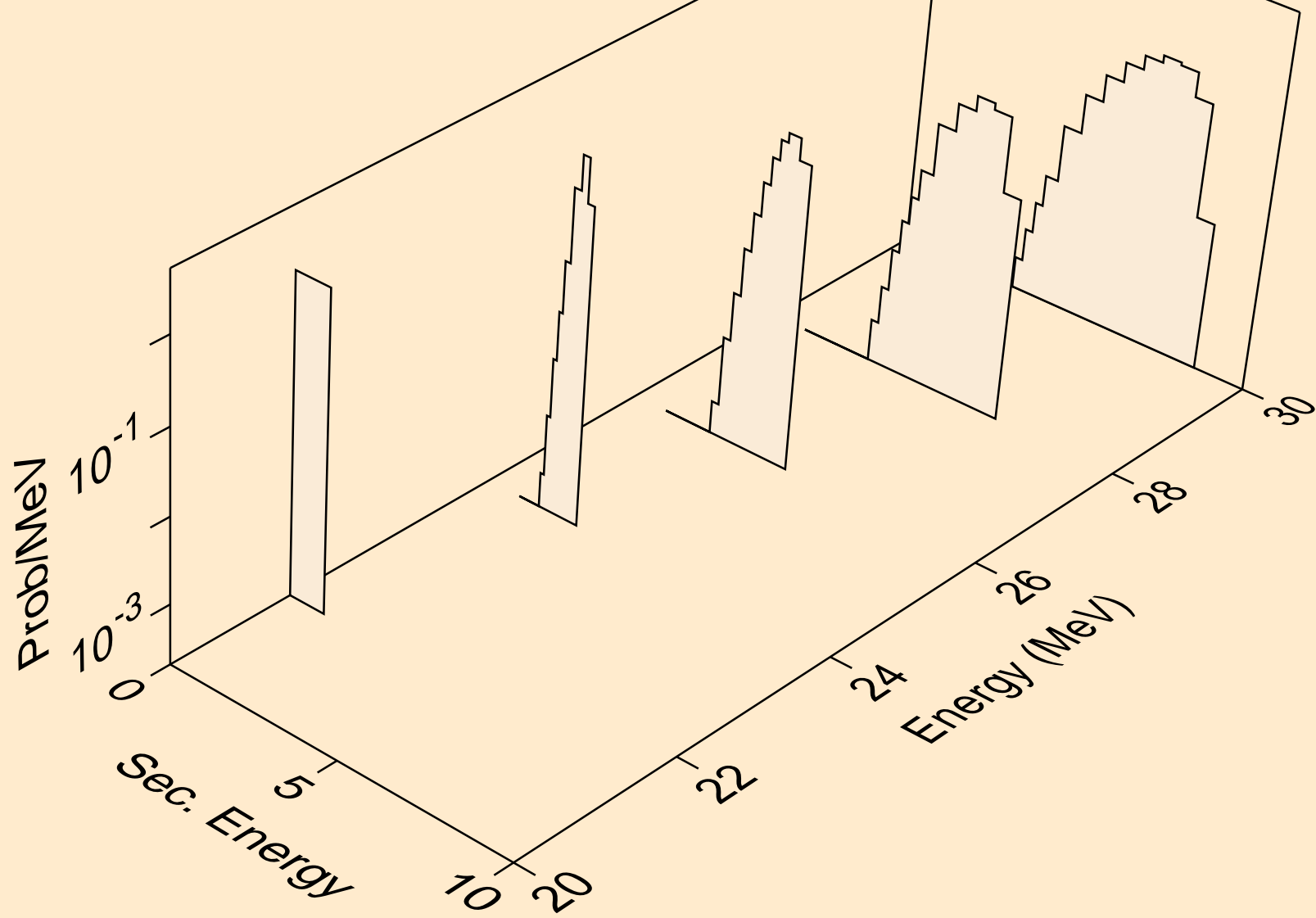
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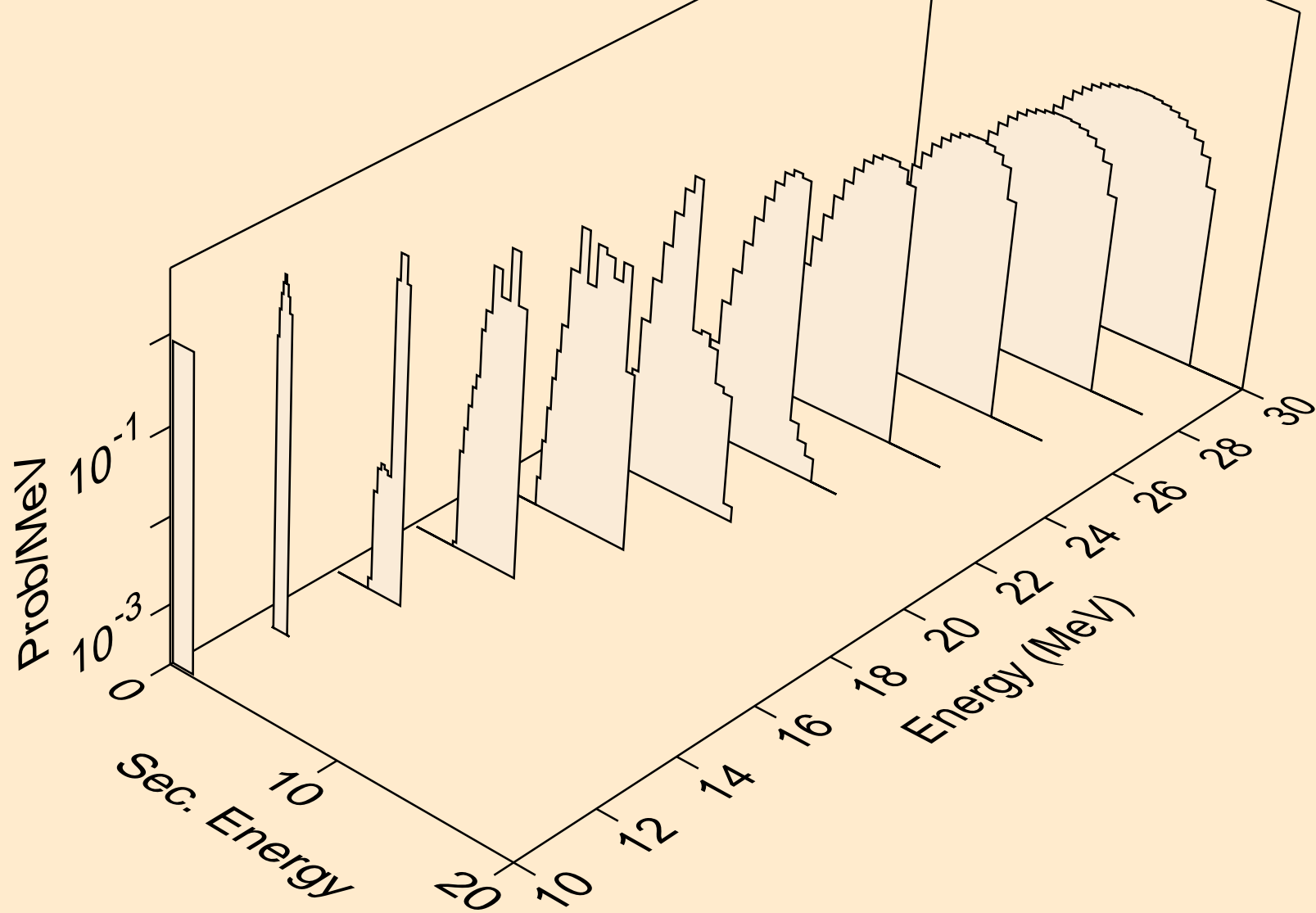
PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,x)



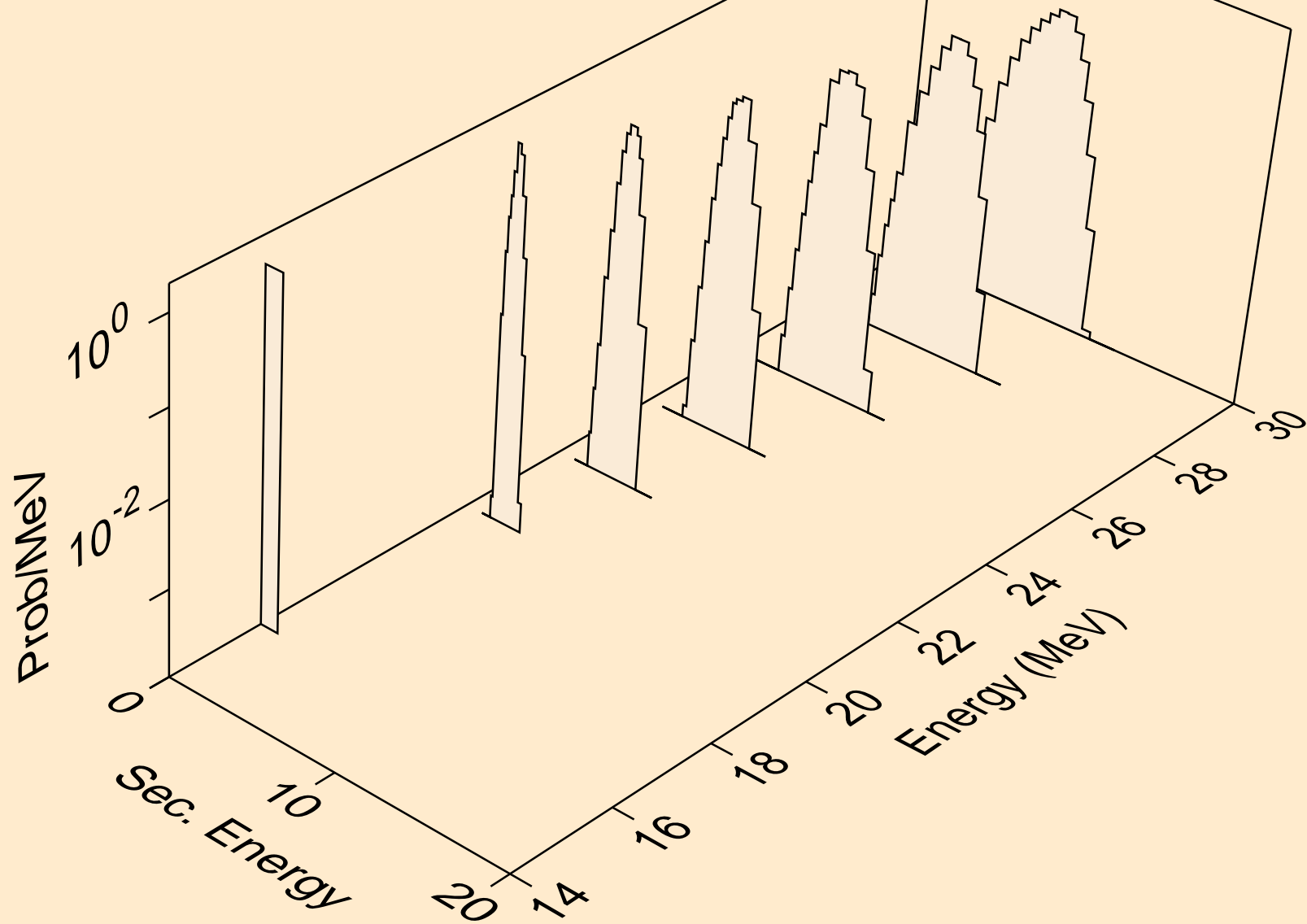
PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,n\*)d



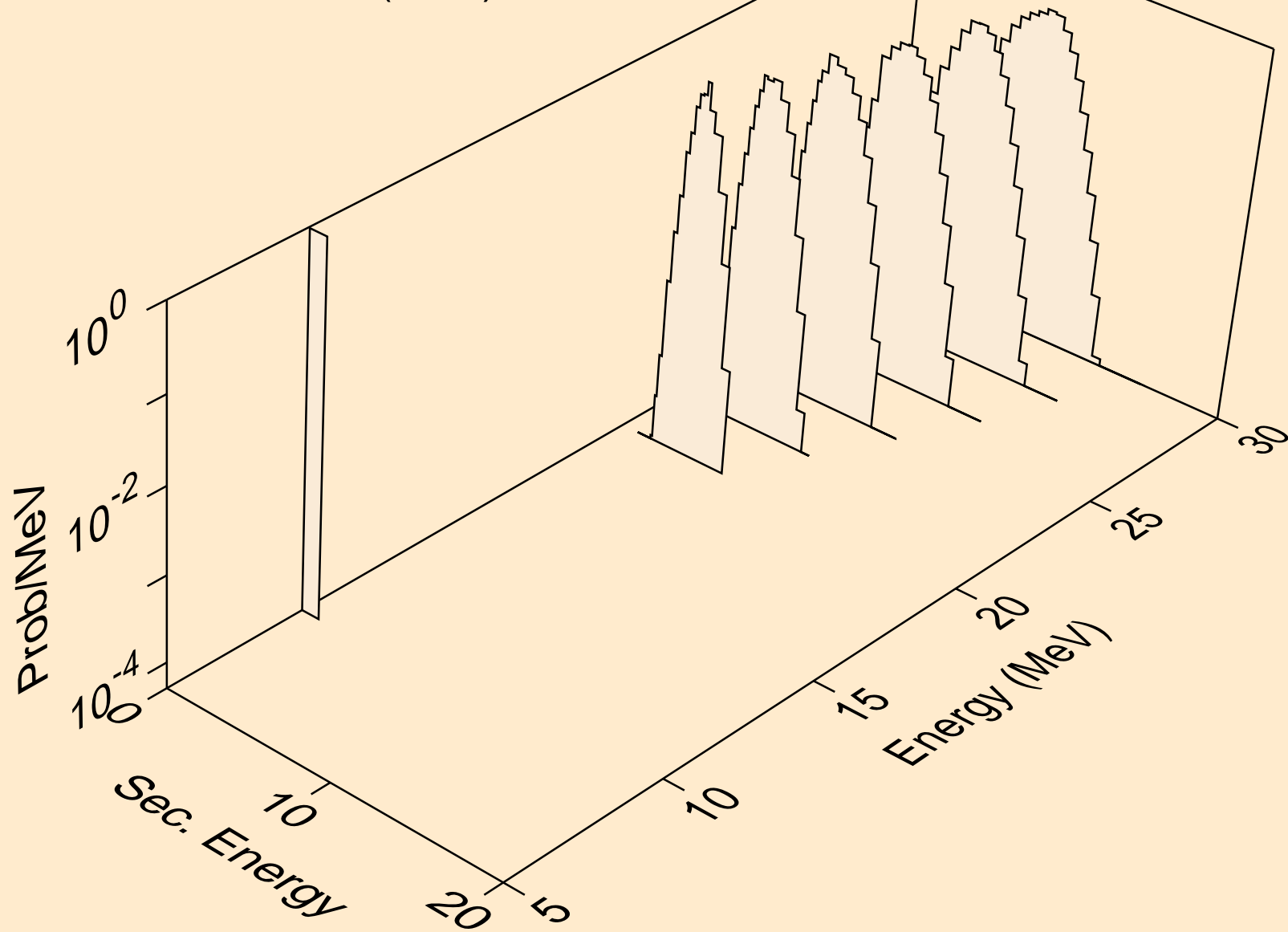
PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,d)



PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,pd)

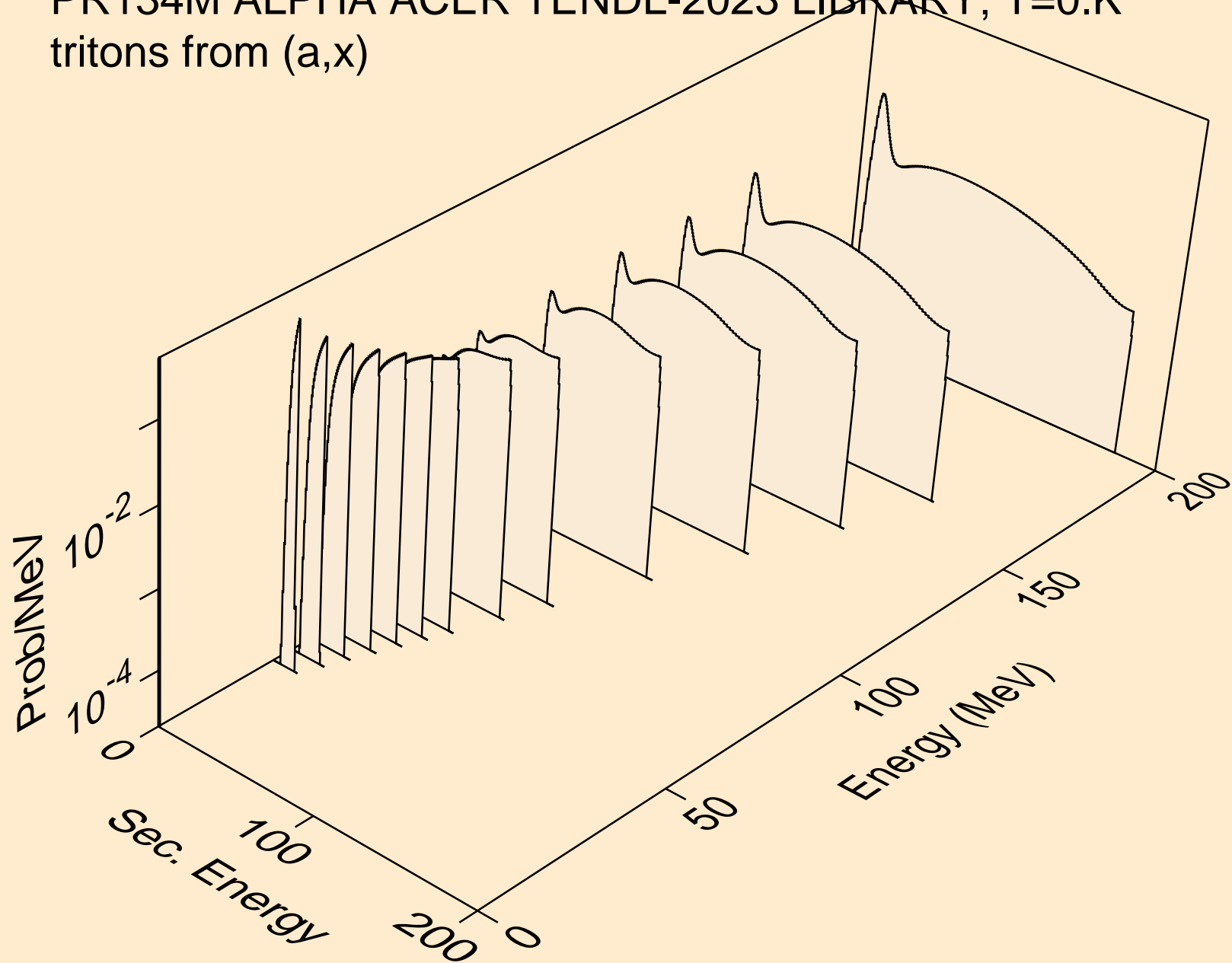


PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,da)

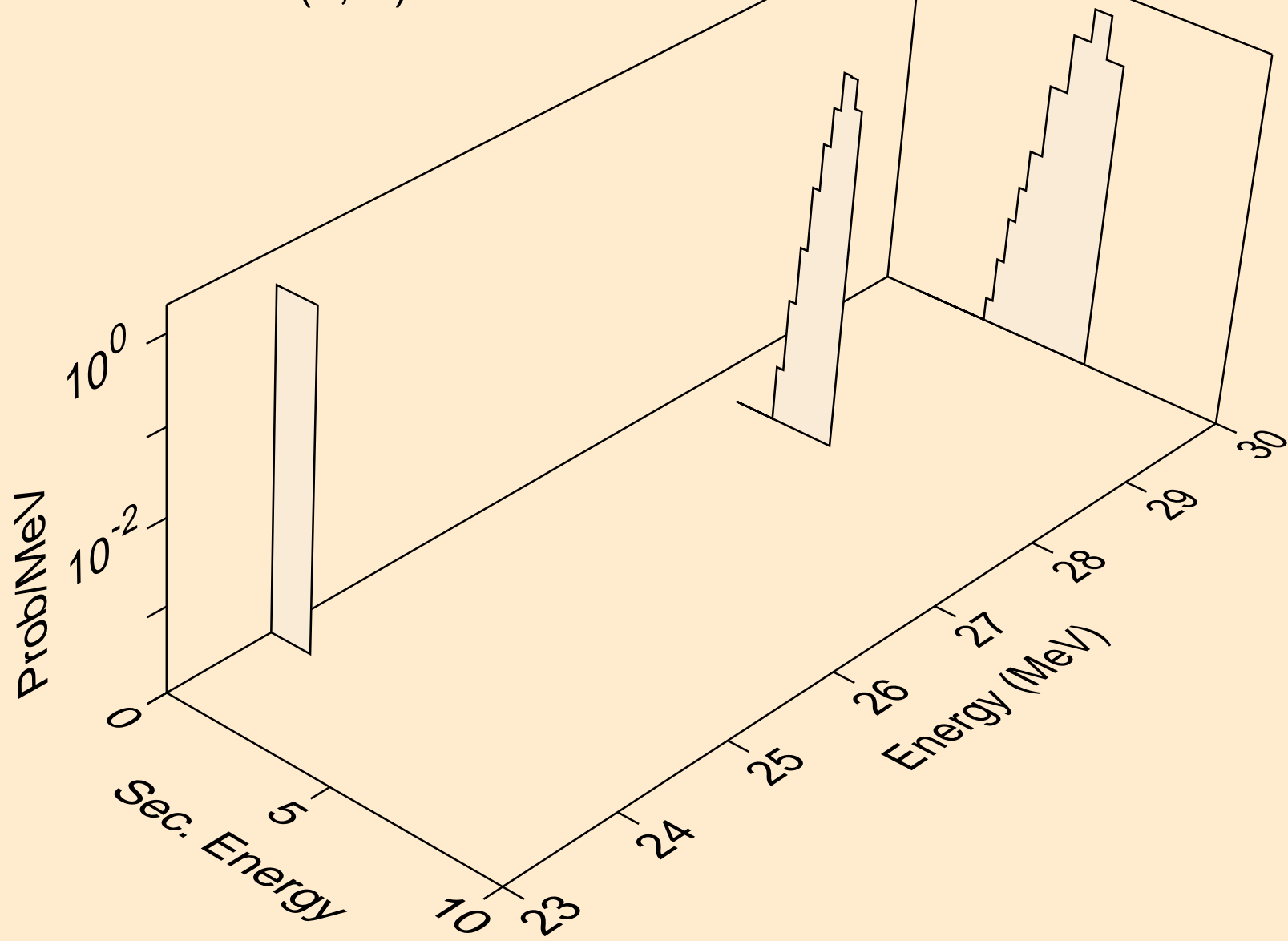




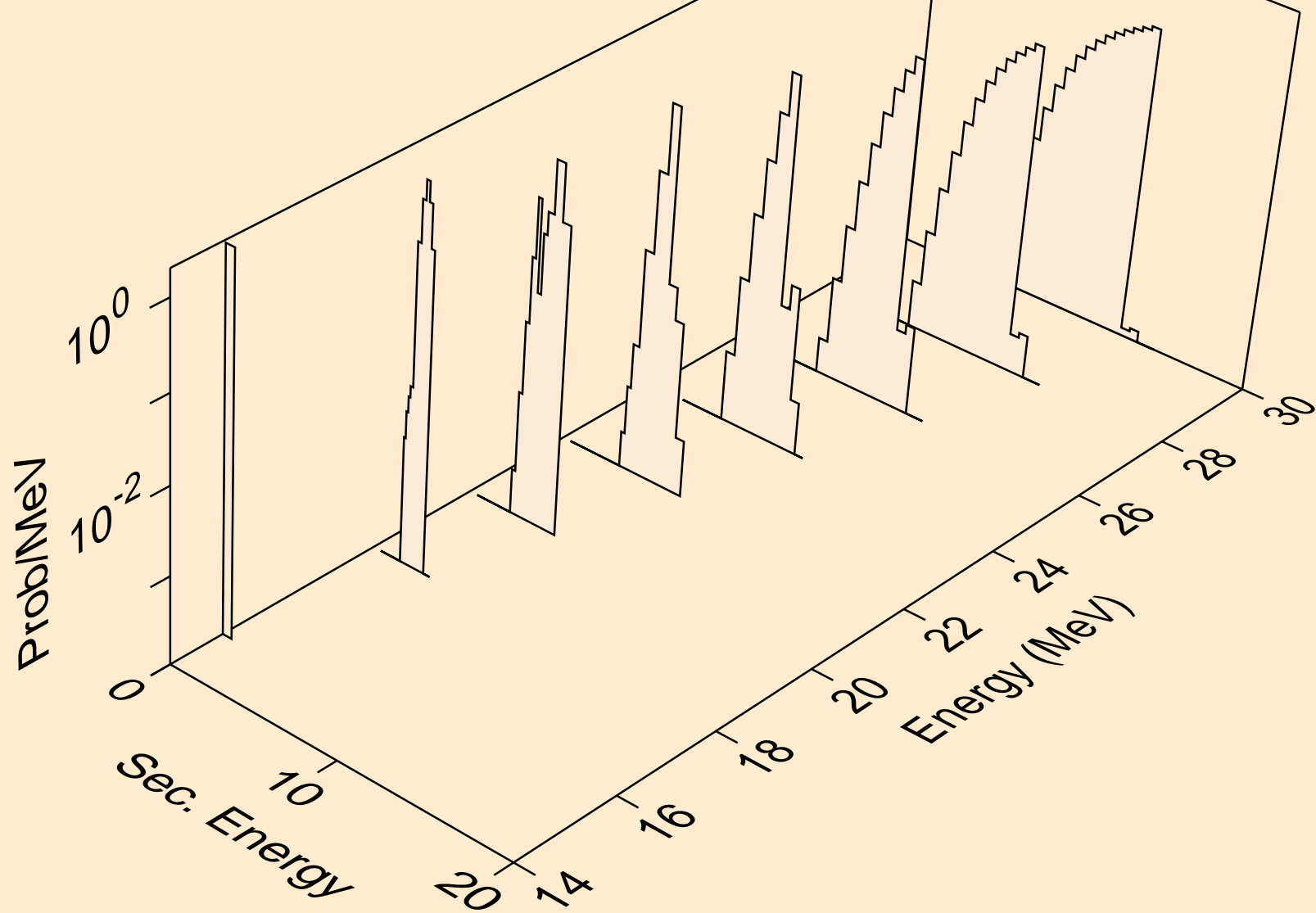
PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,x)



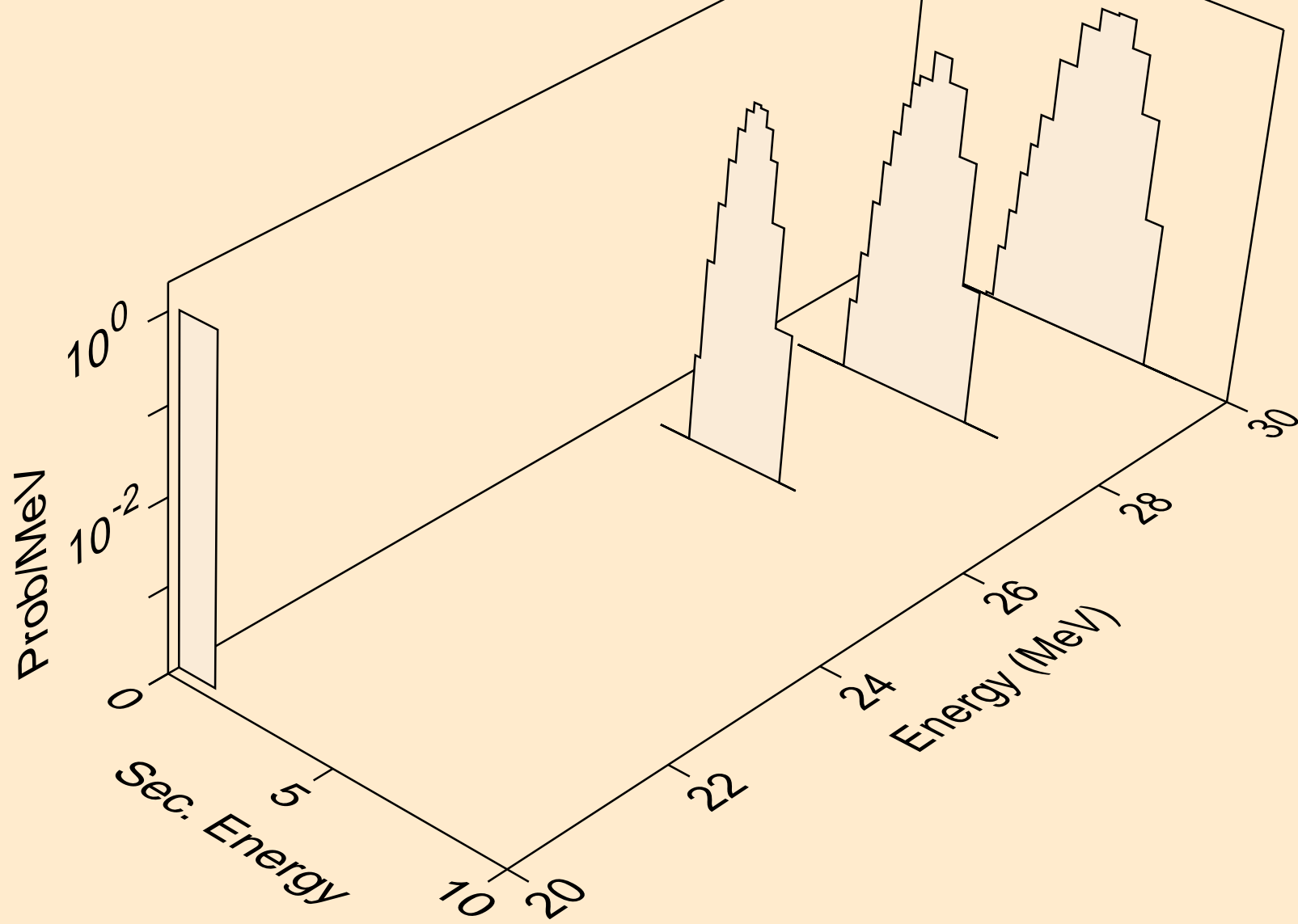
PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,n\*)t



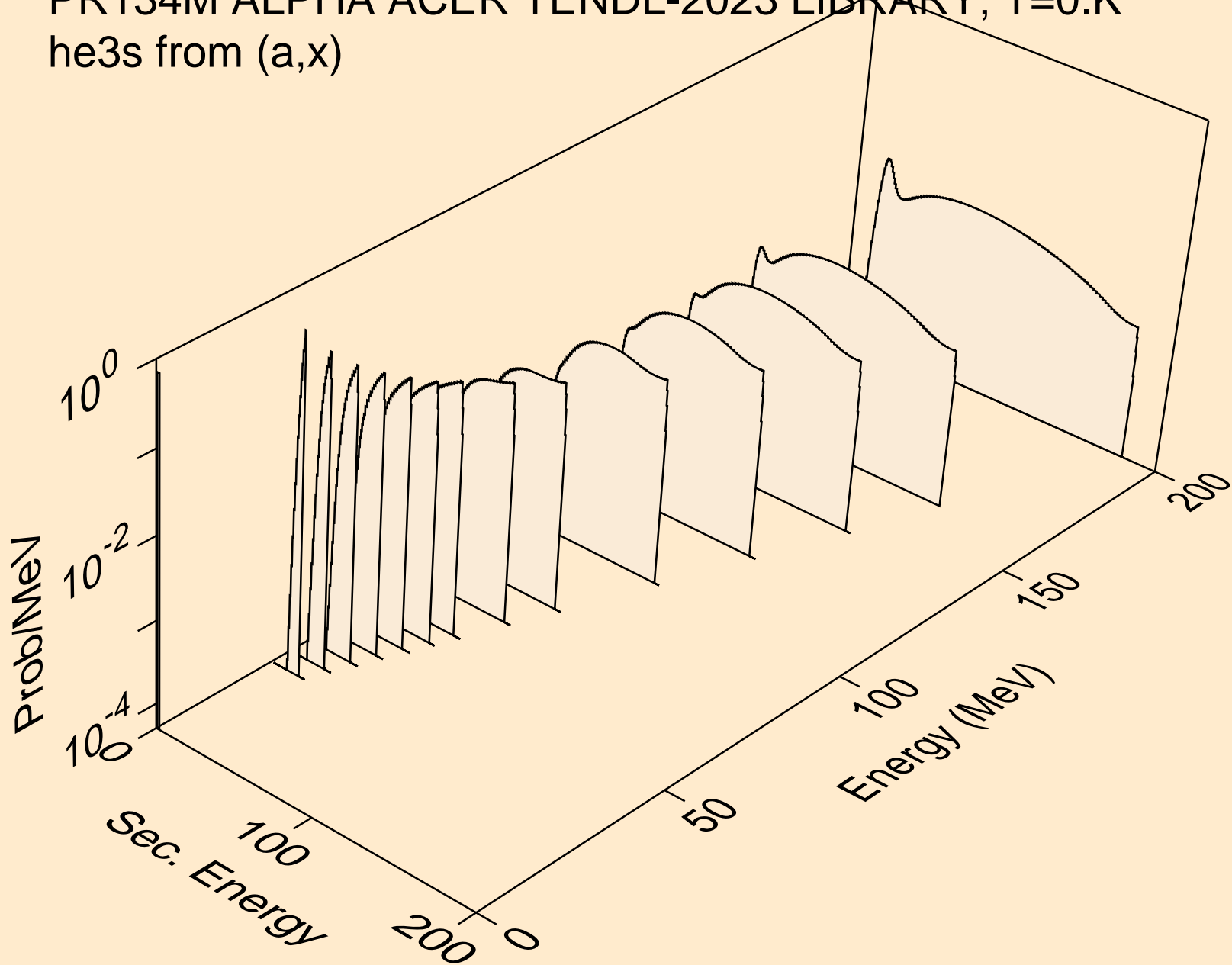
PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,t)



PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,pt)



PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,x)



PR134M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,he3)

