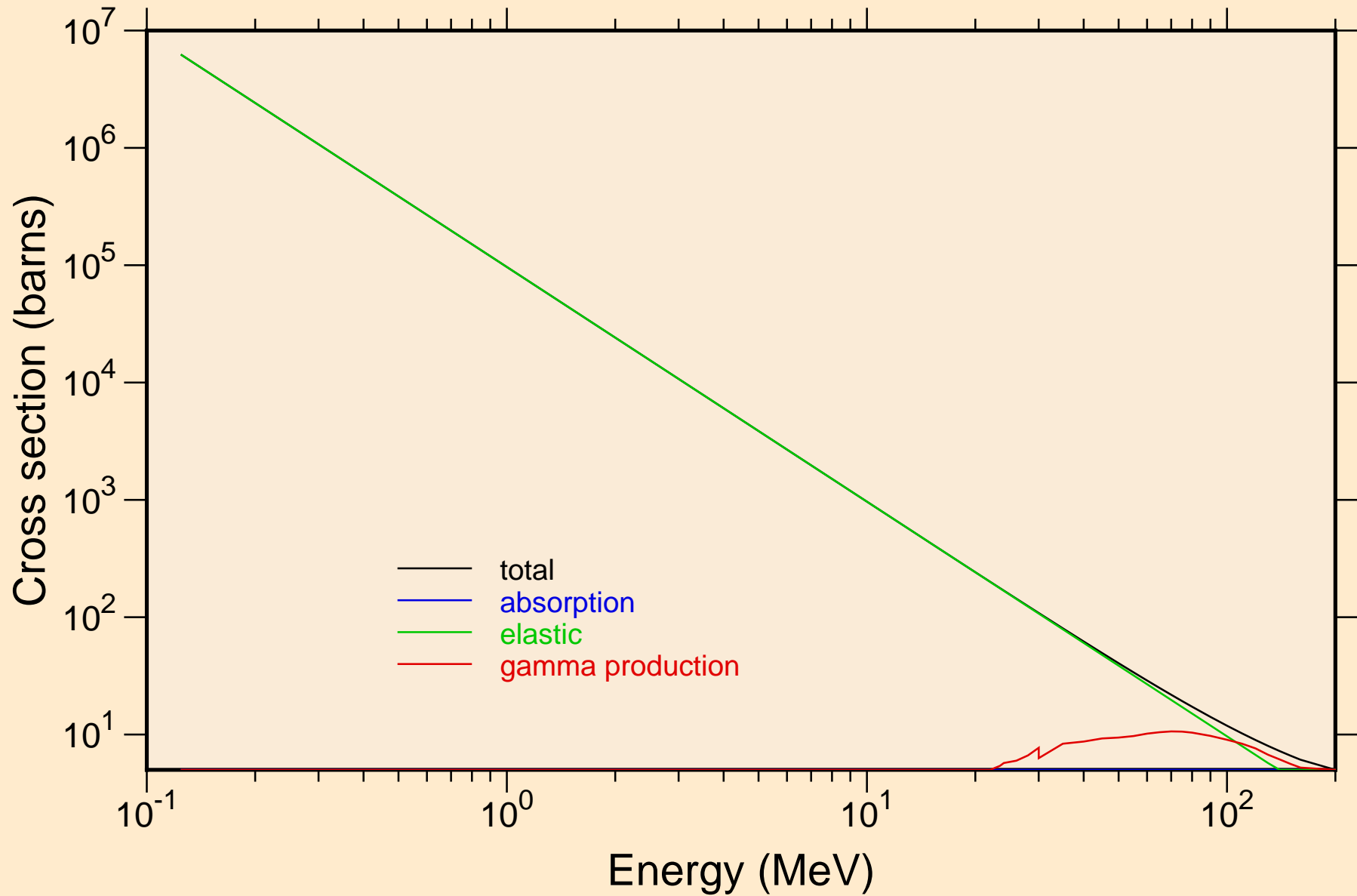


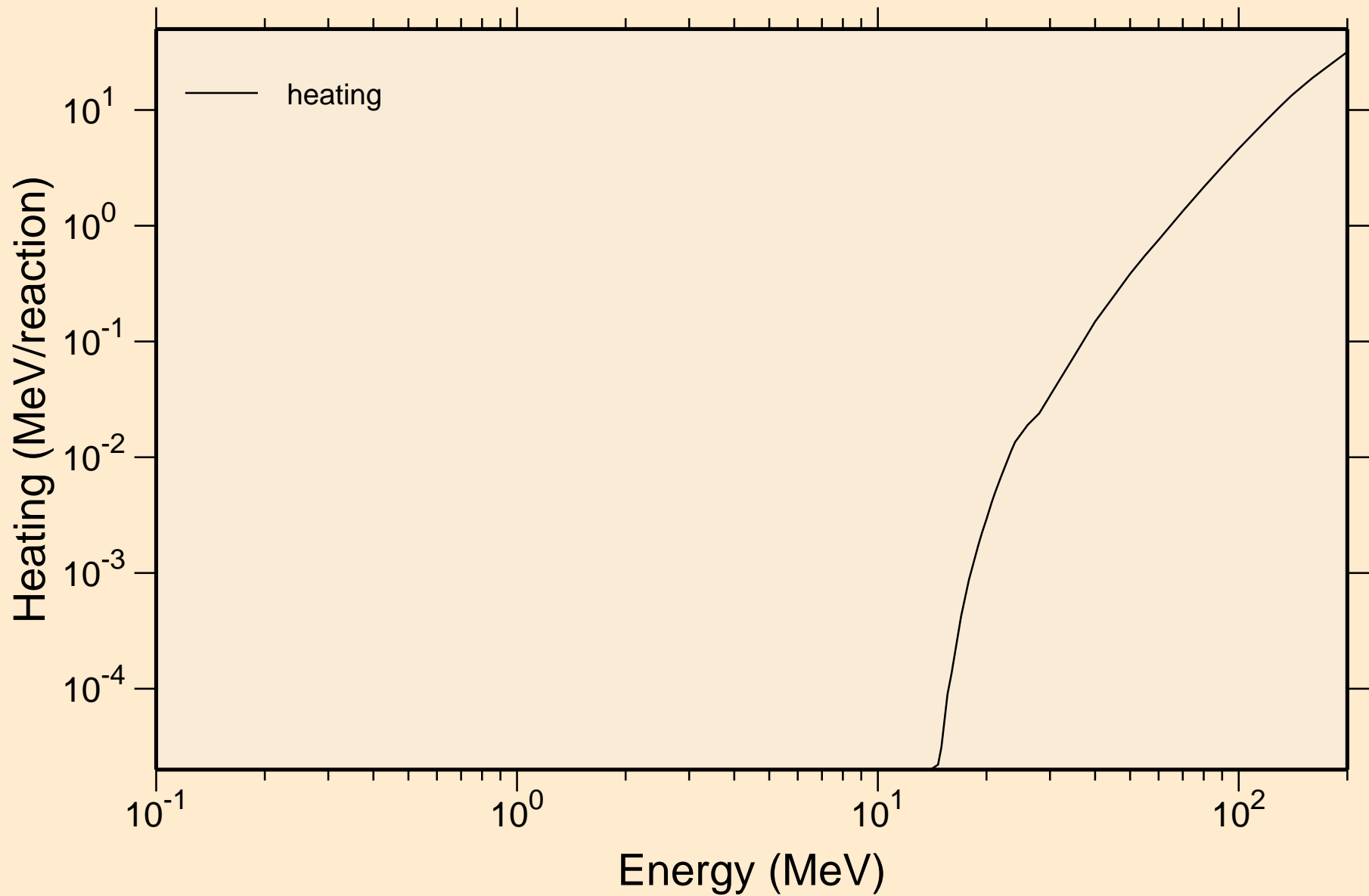
# PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



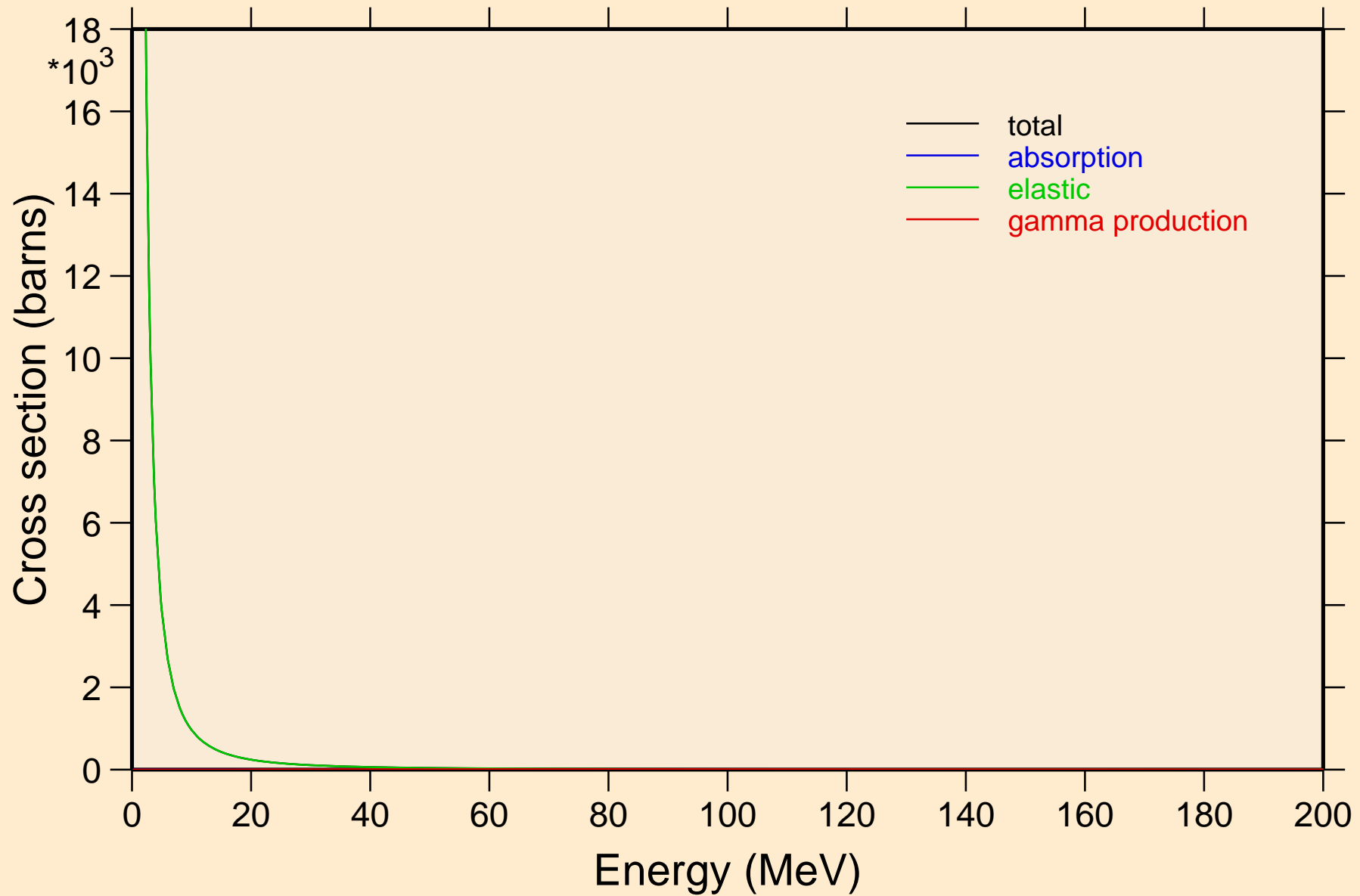
PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Heating



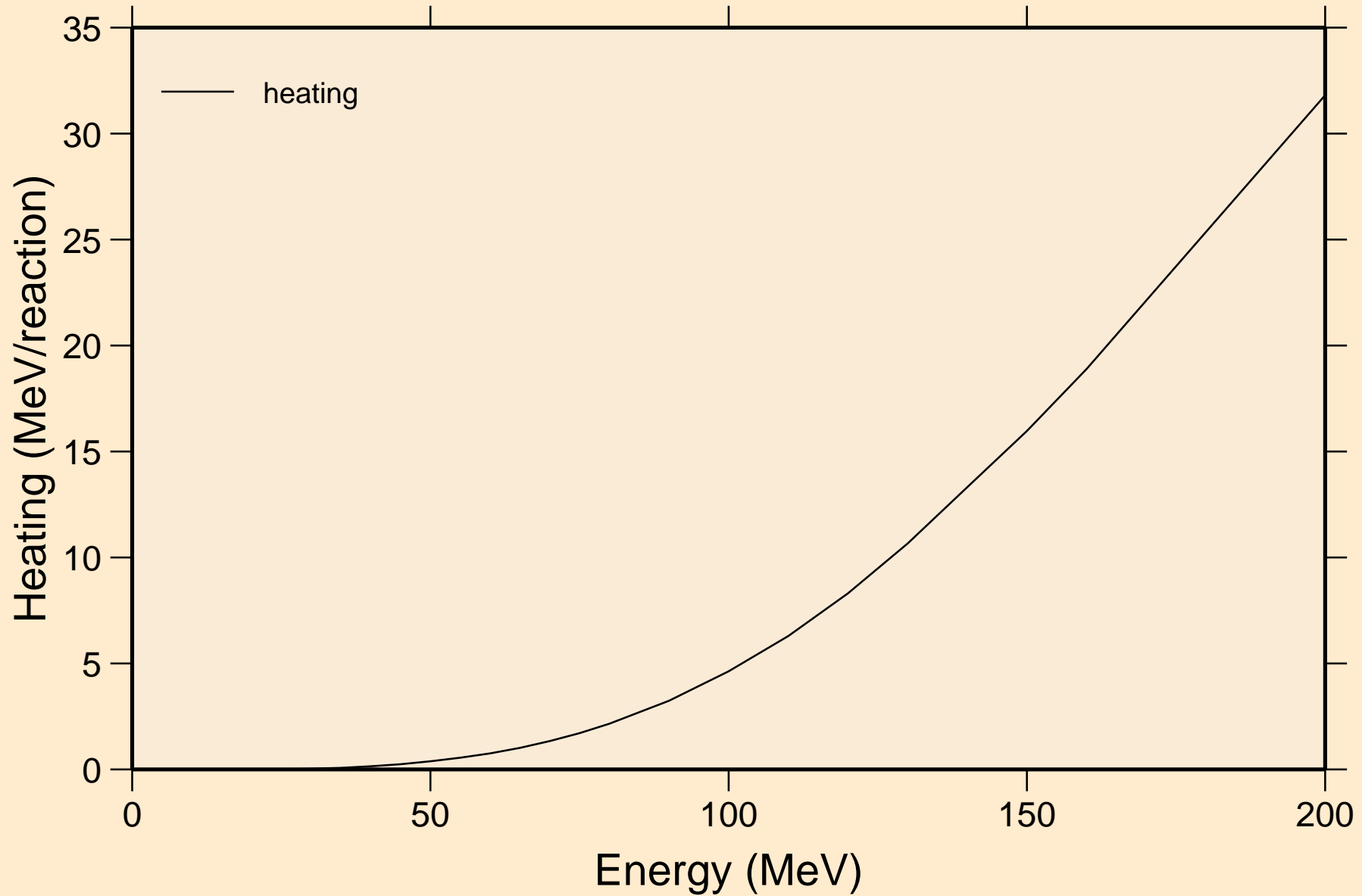
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## Principal cross sections

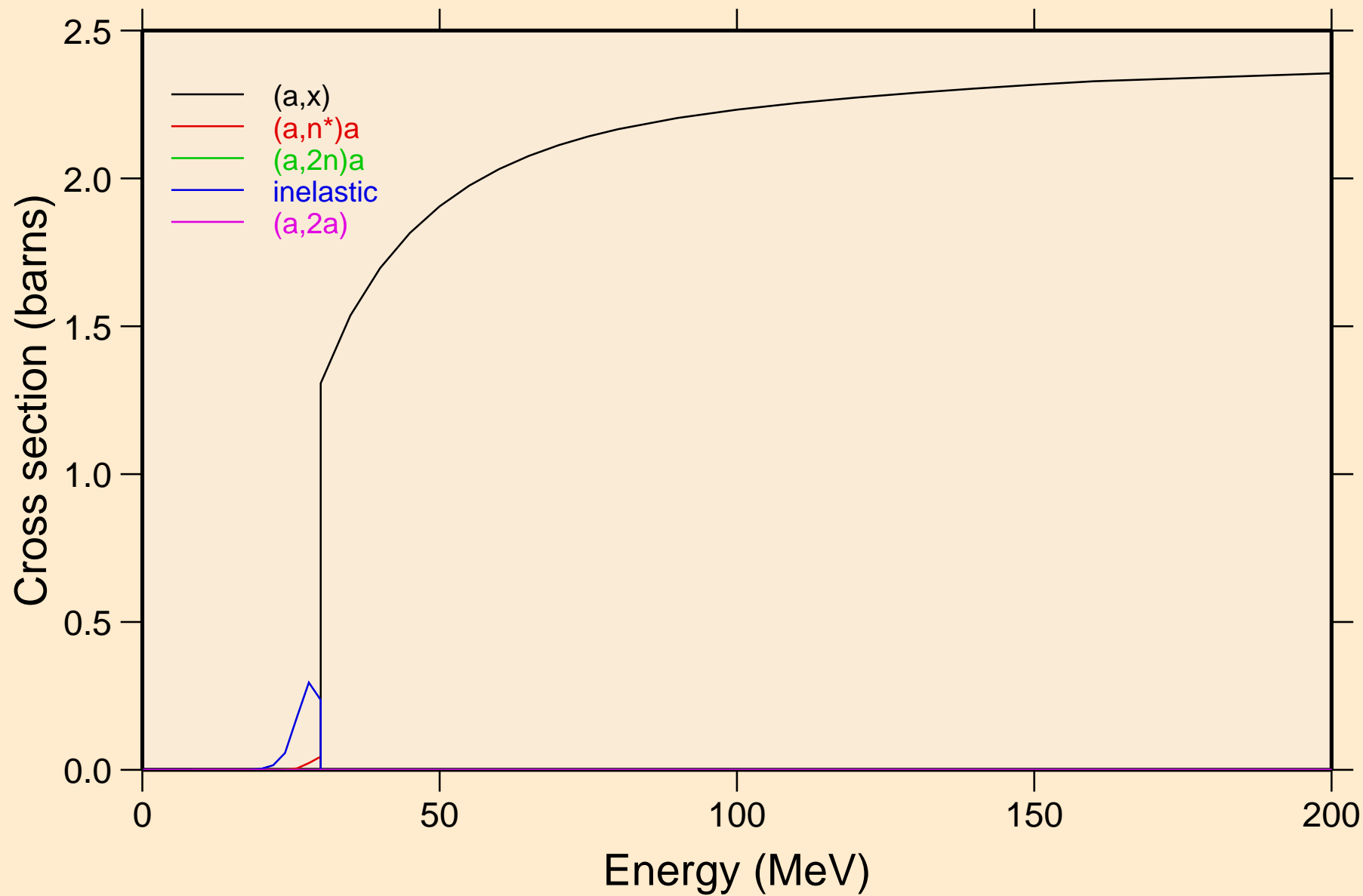


PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K

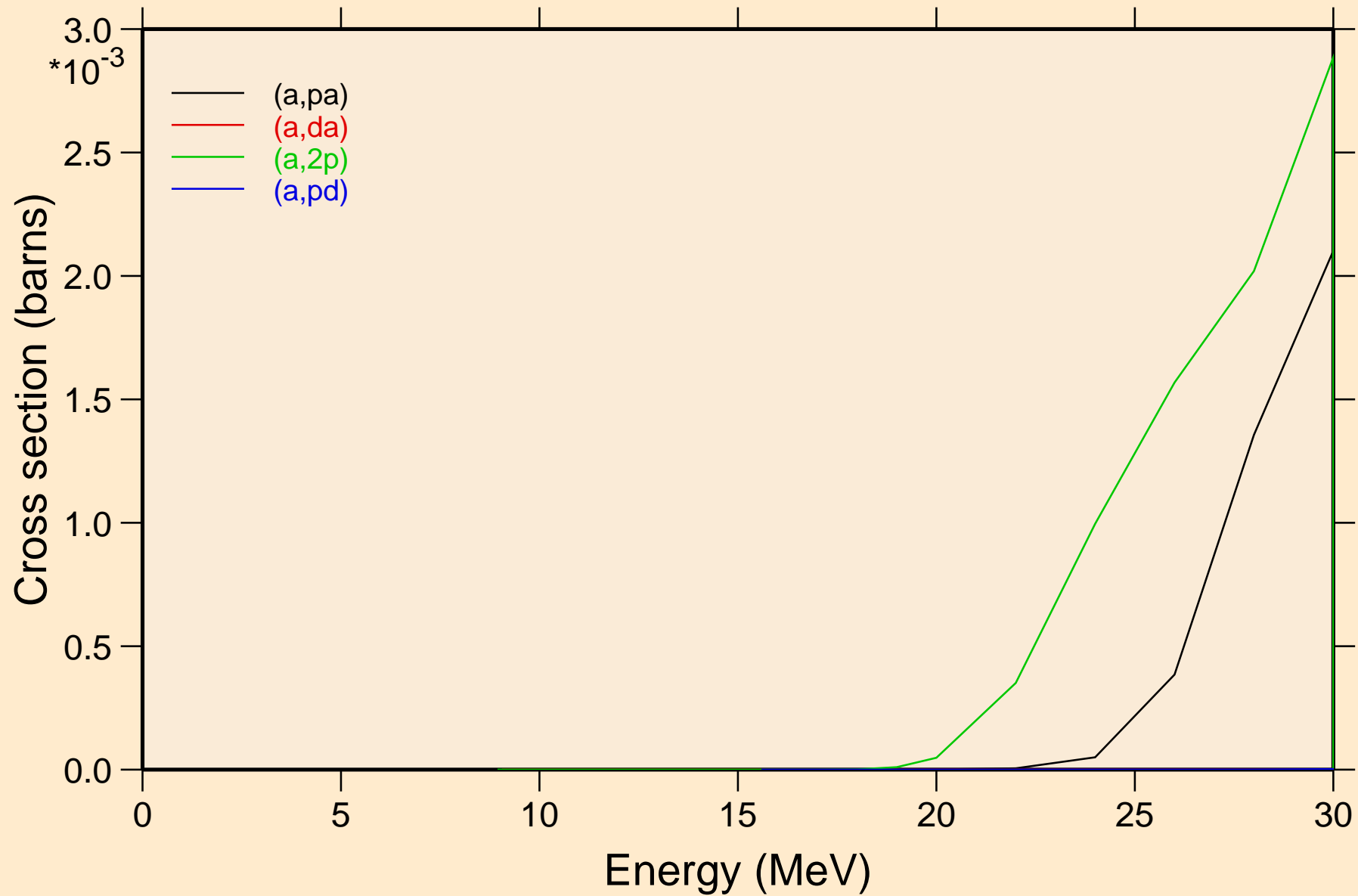
Heating



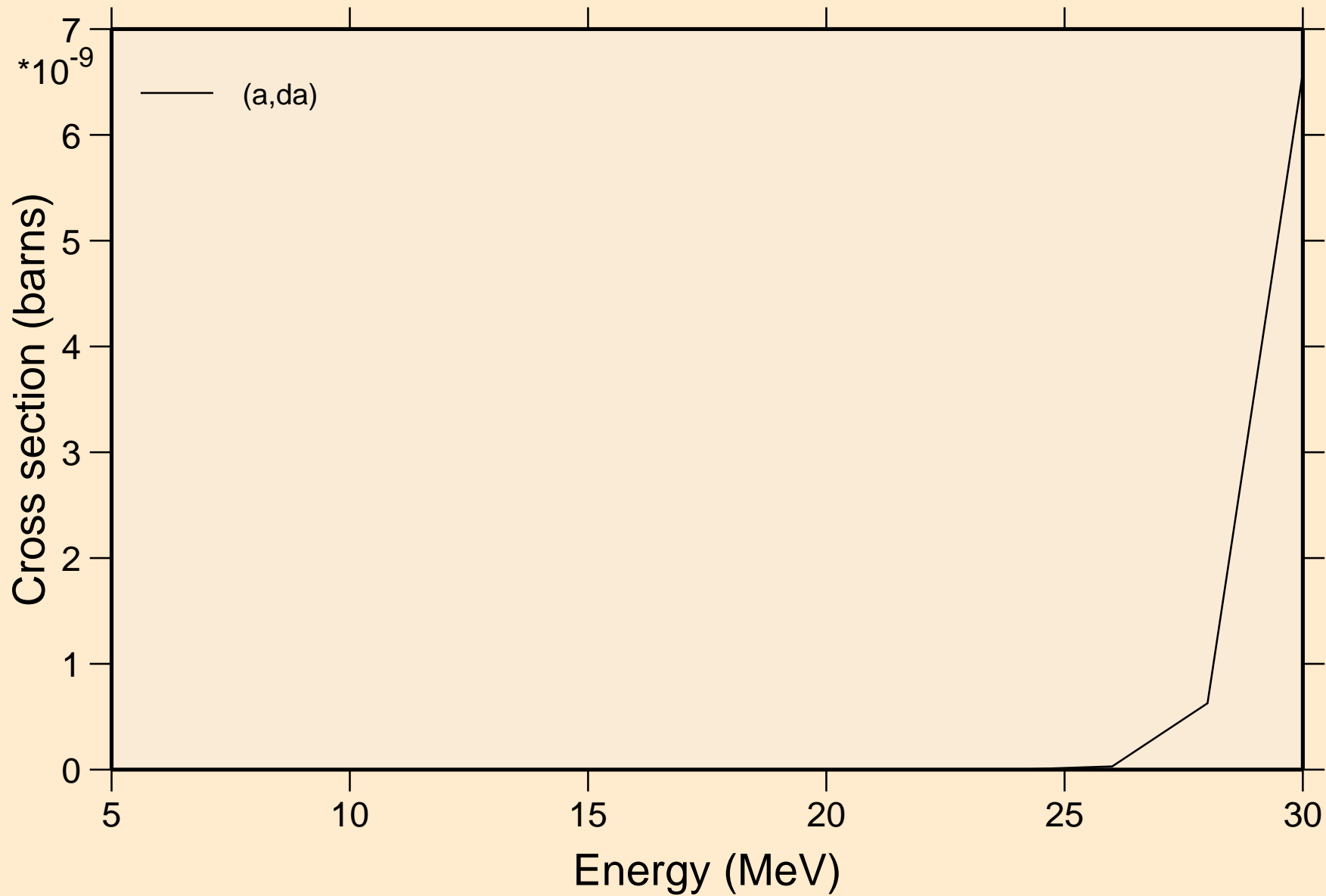
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Threshold reactions



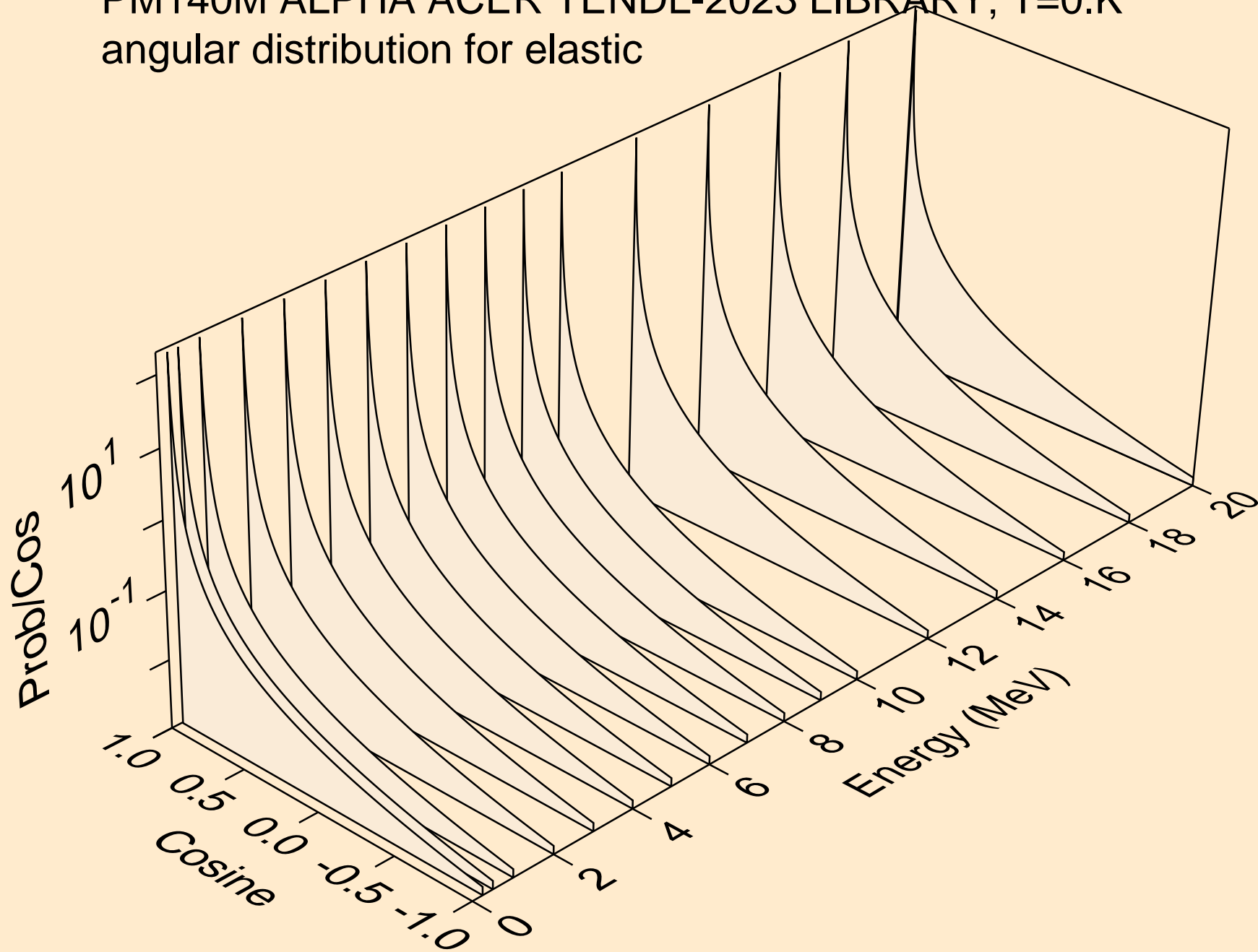
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Threshold reactions



PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

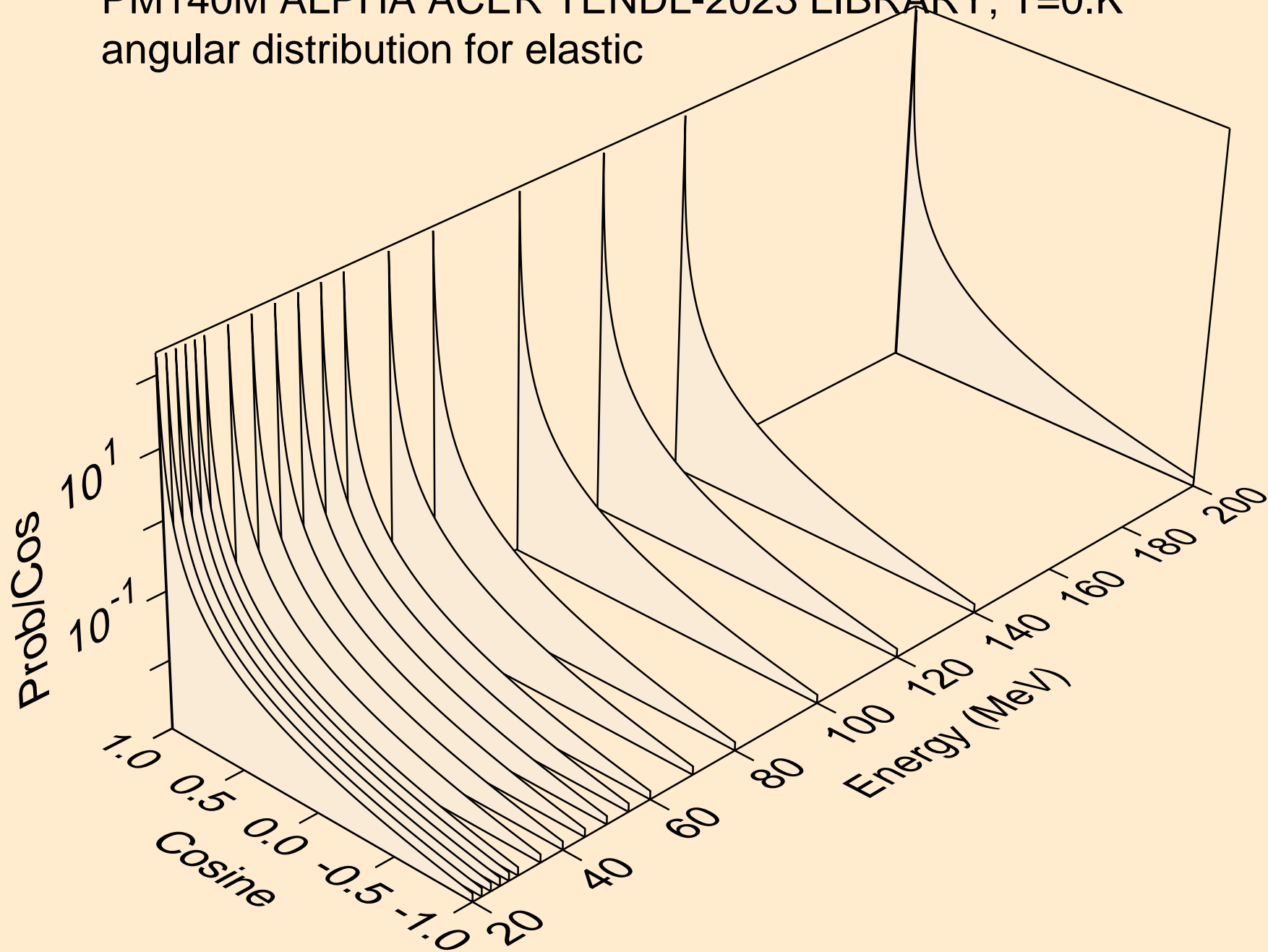


PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

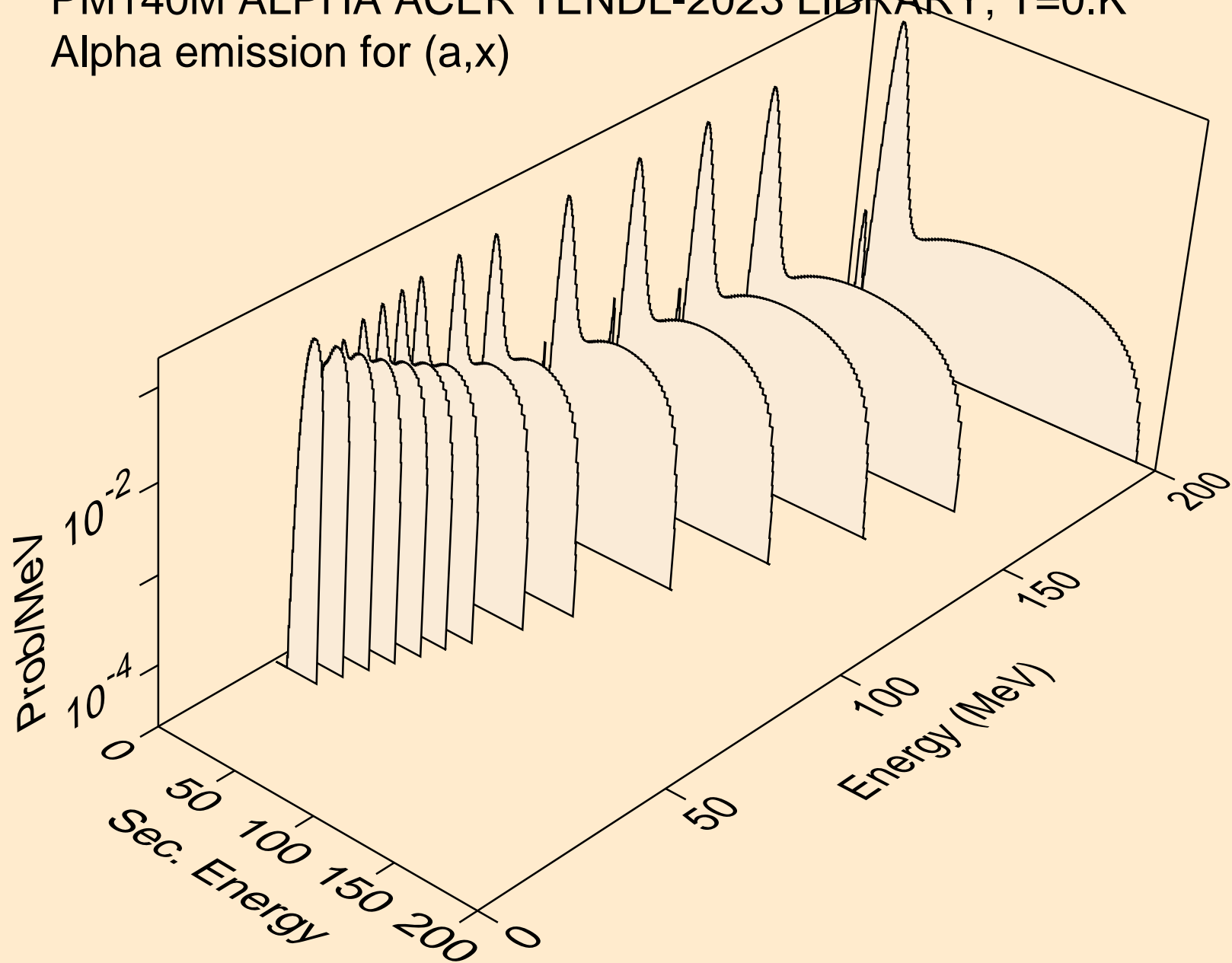




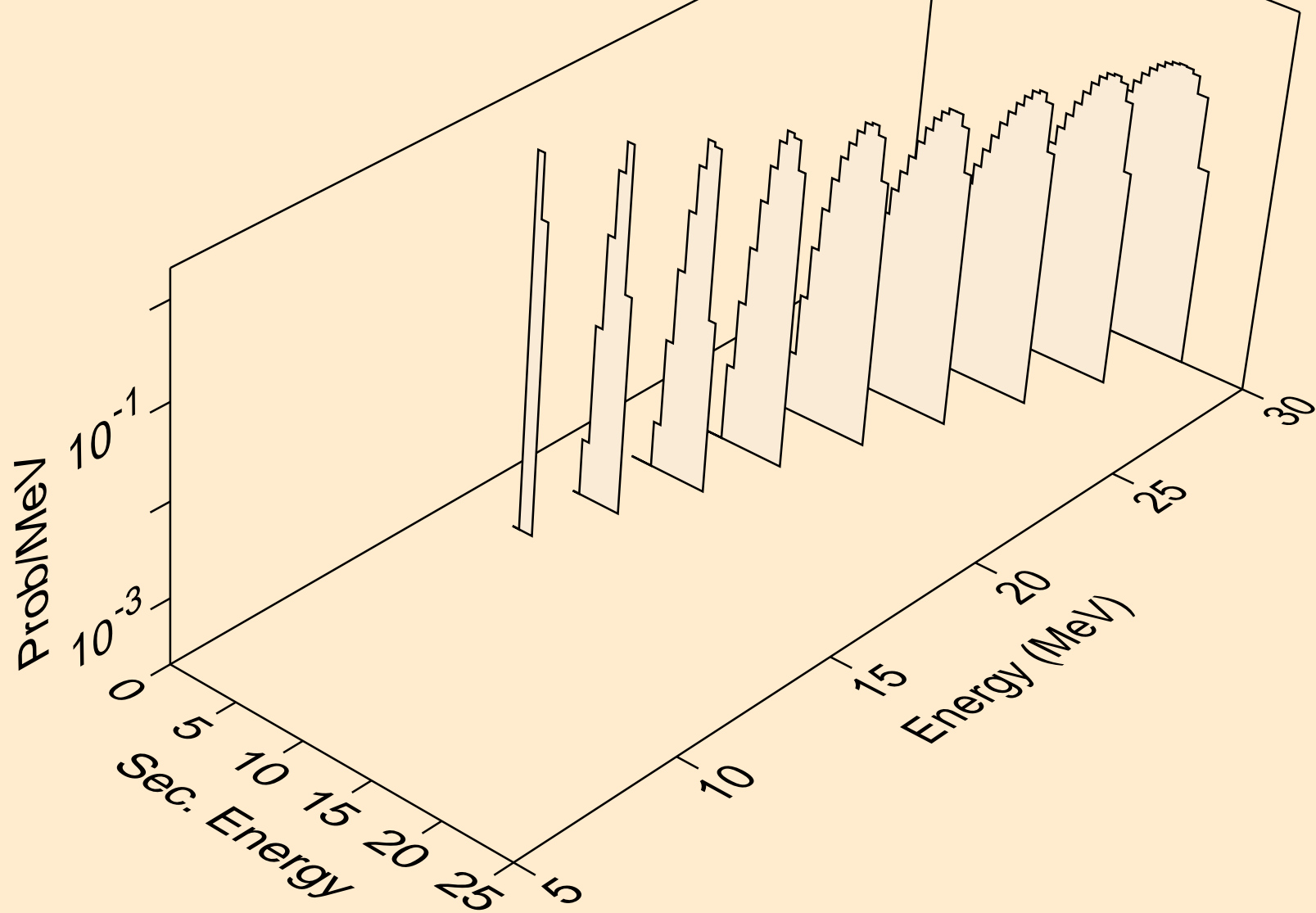
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angular distribution for elastic



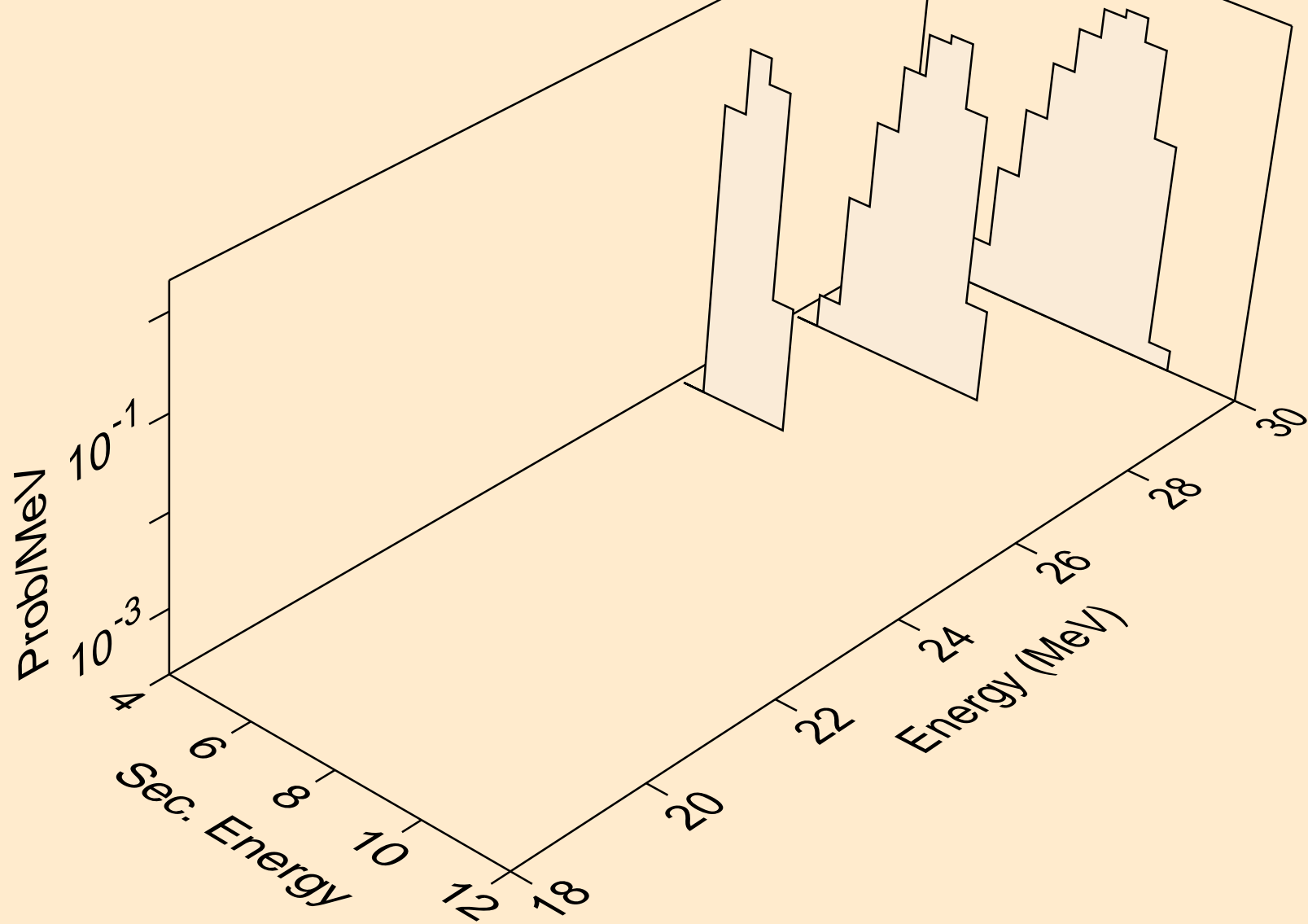
PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,x)



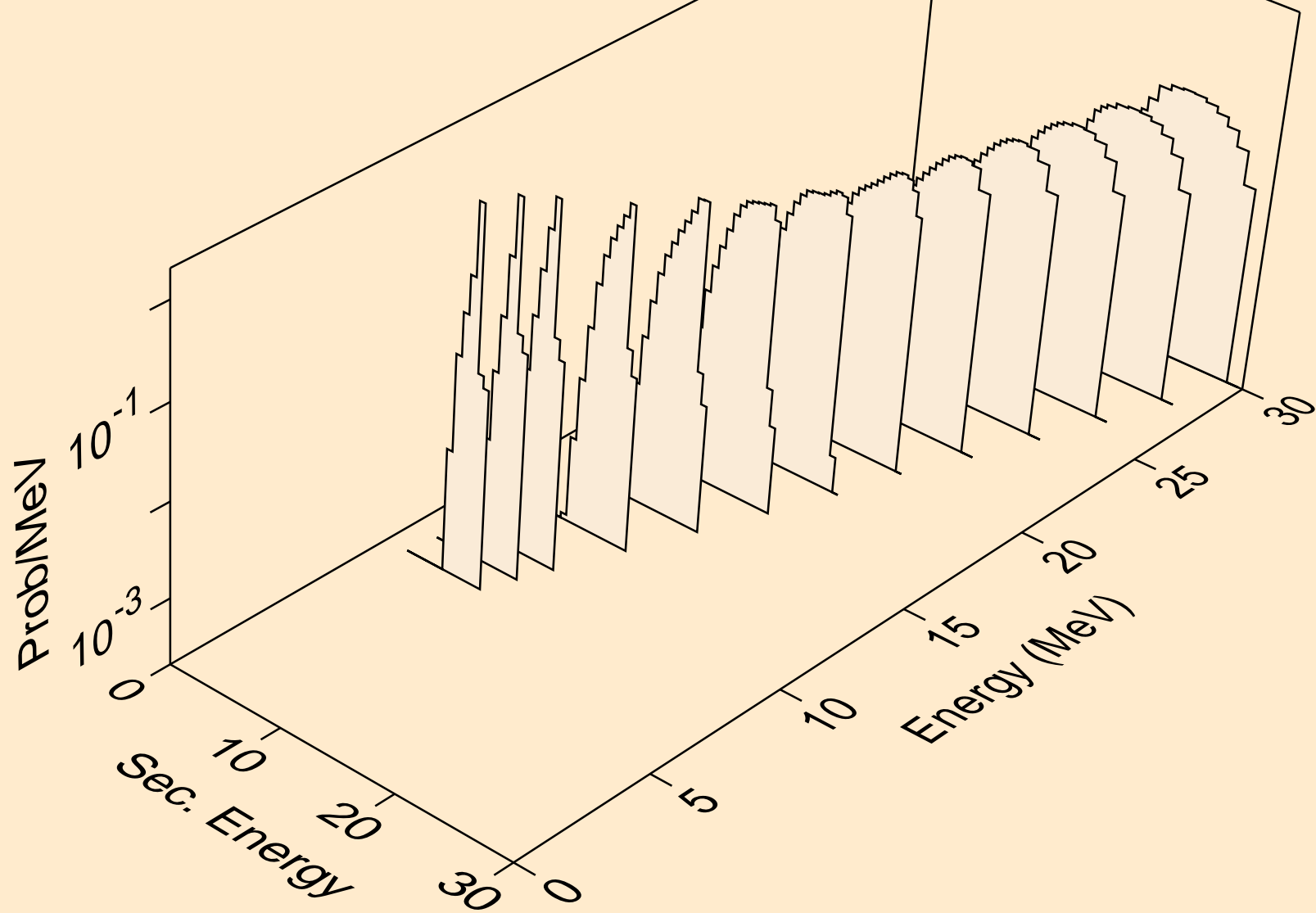
PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a



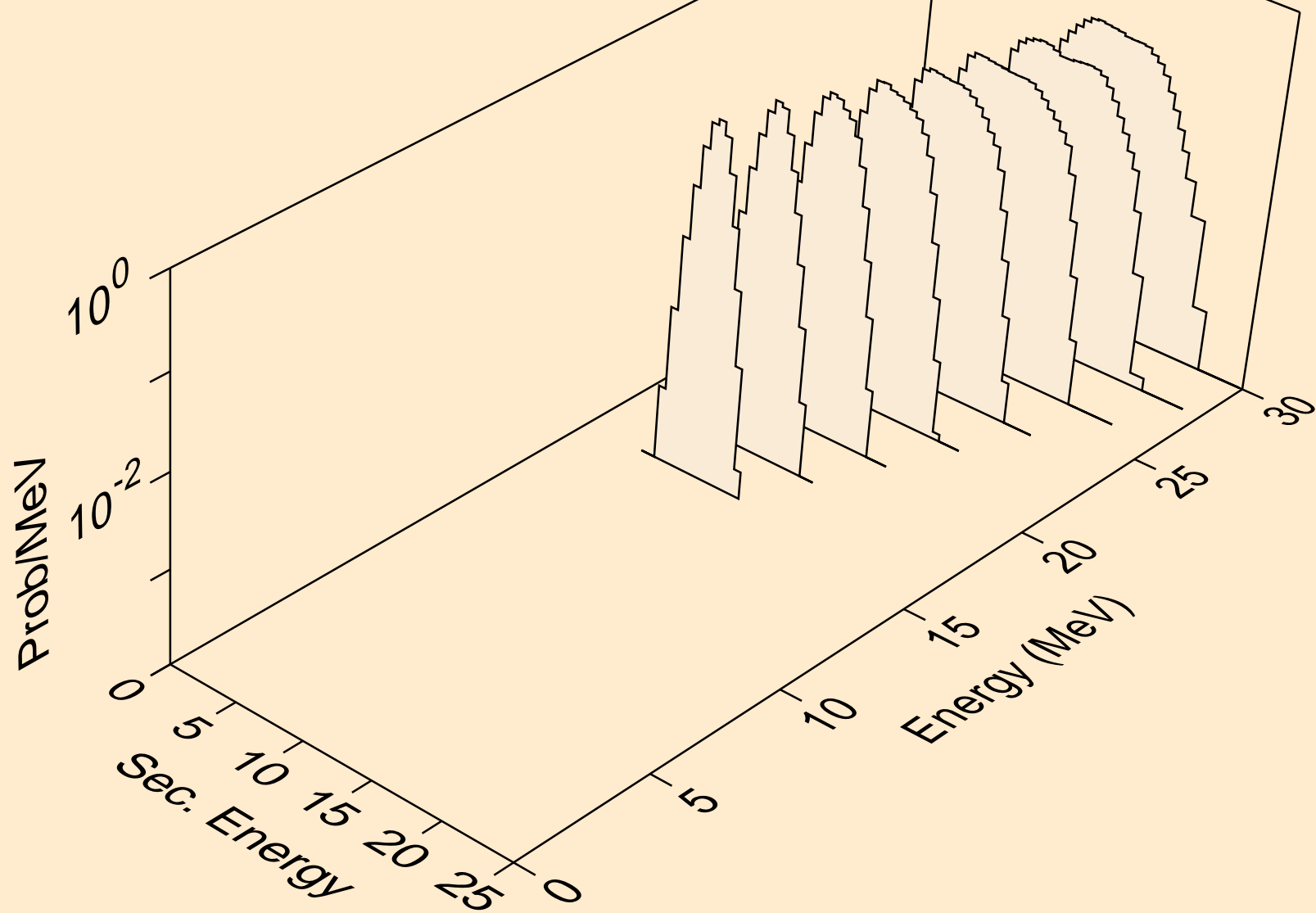
PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2n)a



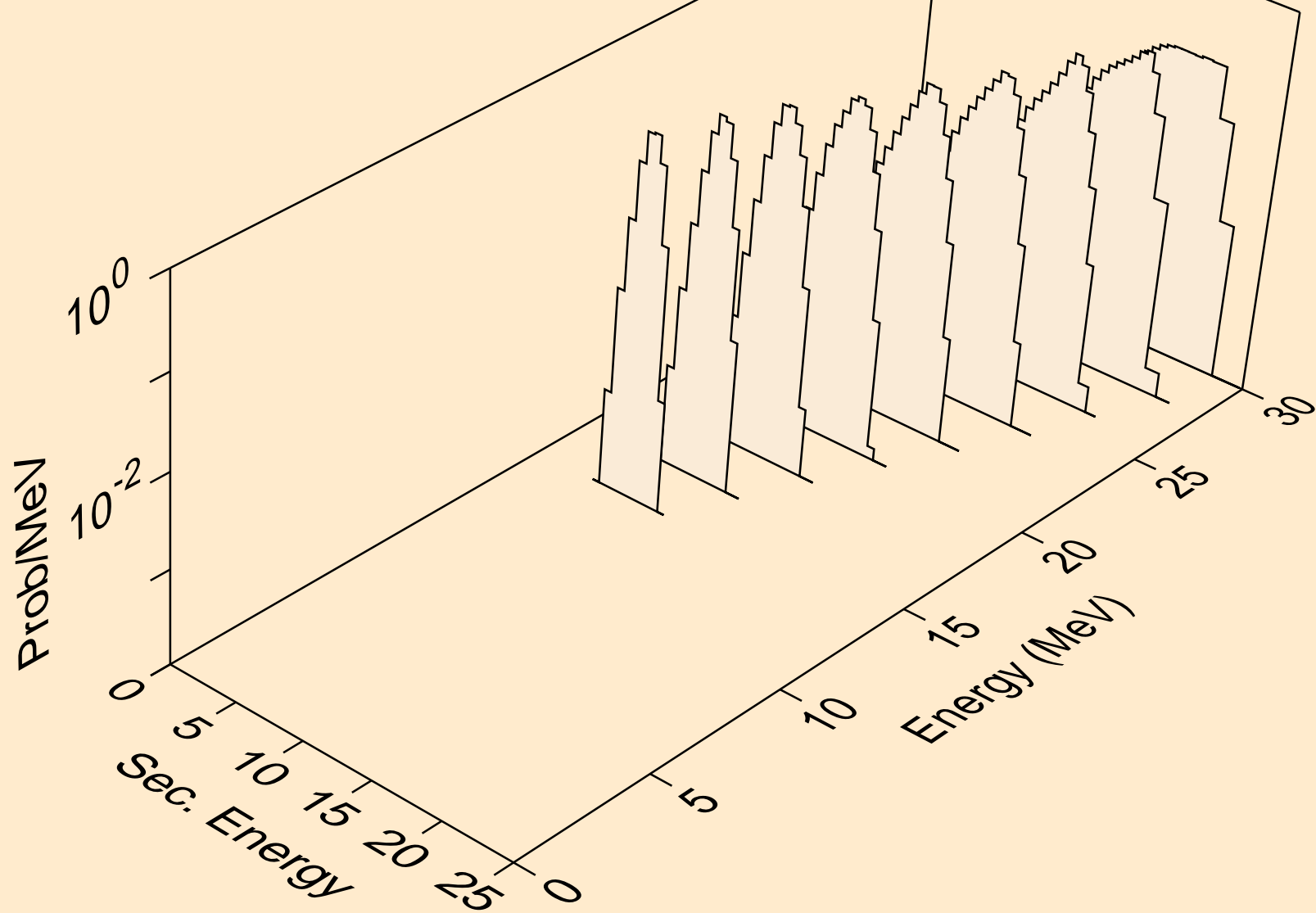
PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for inelastic



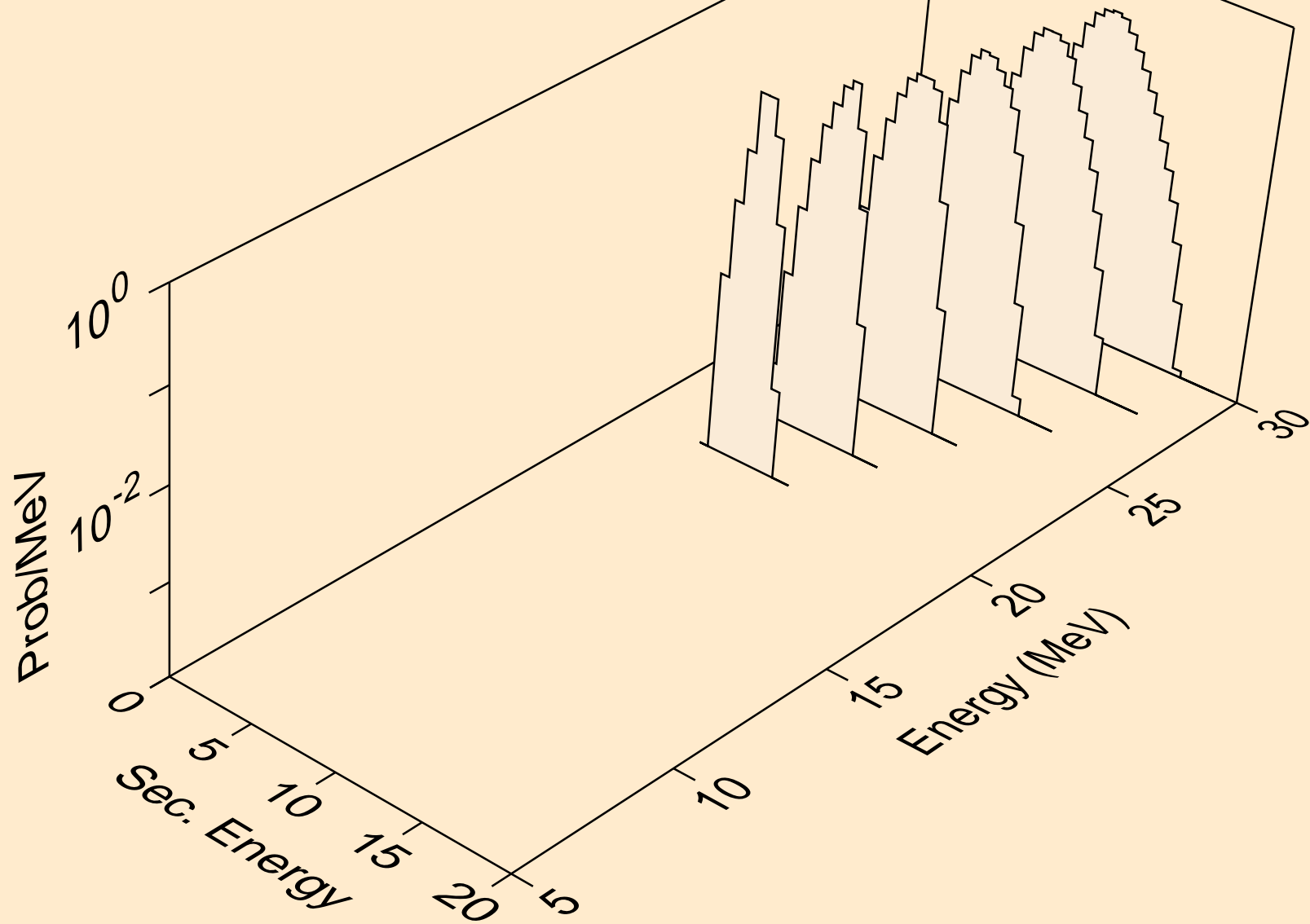
PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2a)



PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,pa)

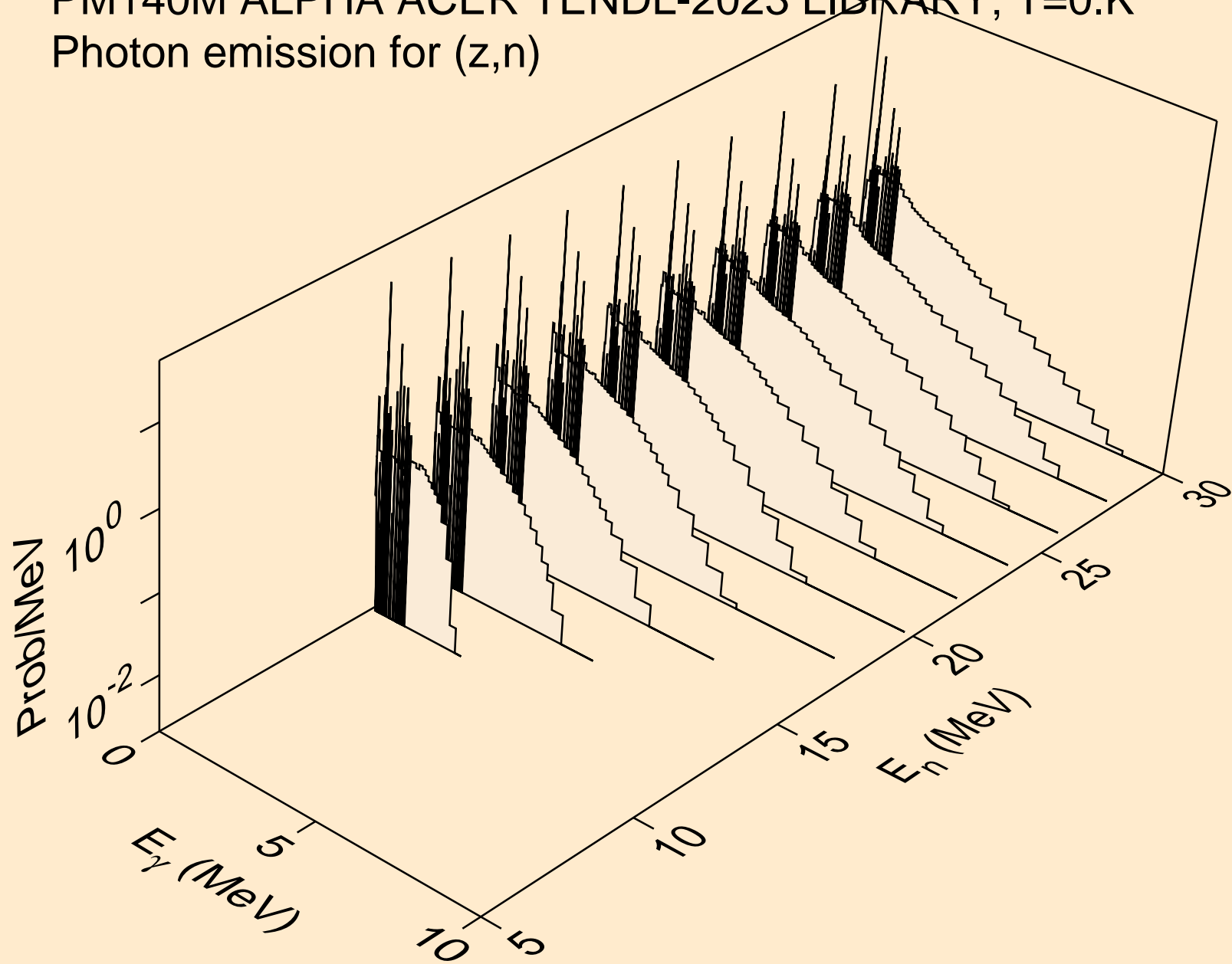


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Alpha emission for (a,da)

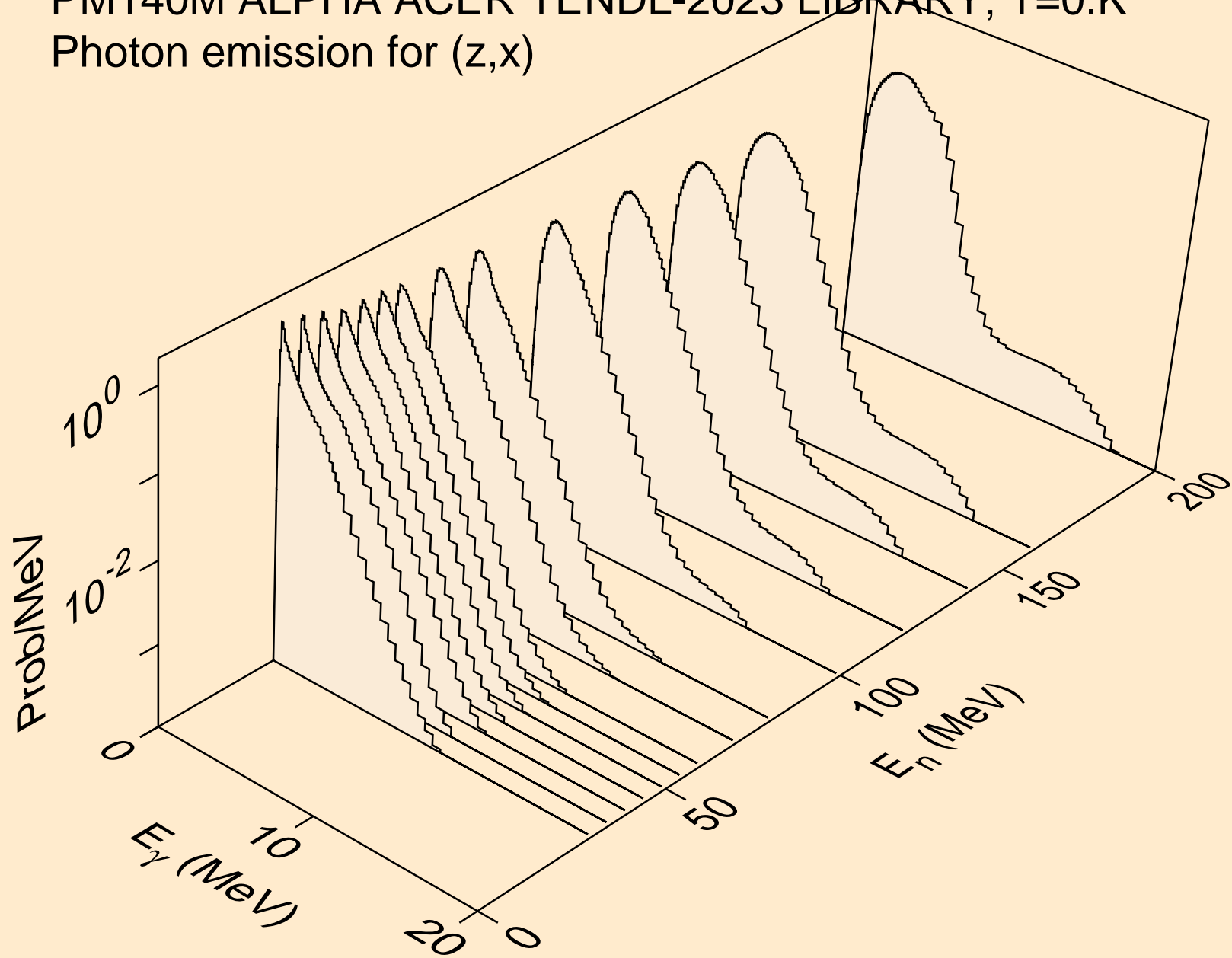




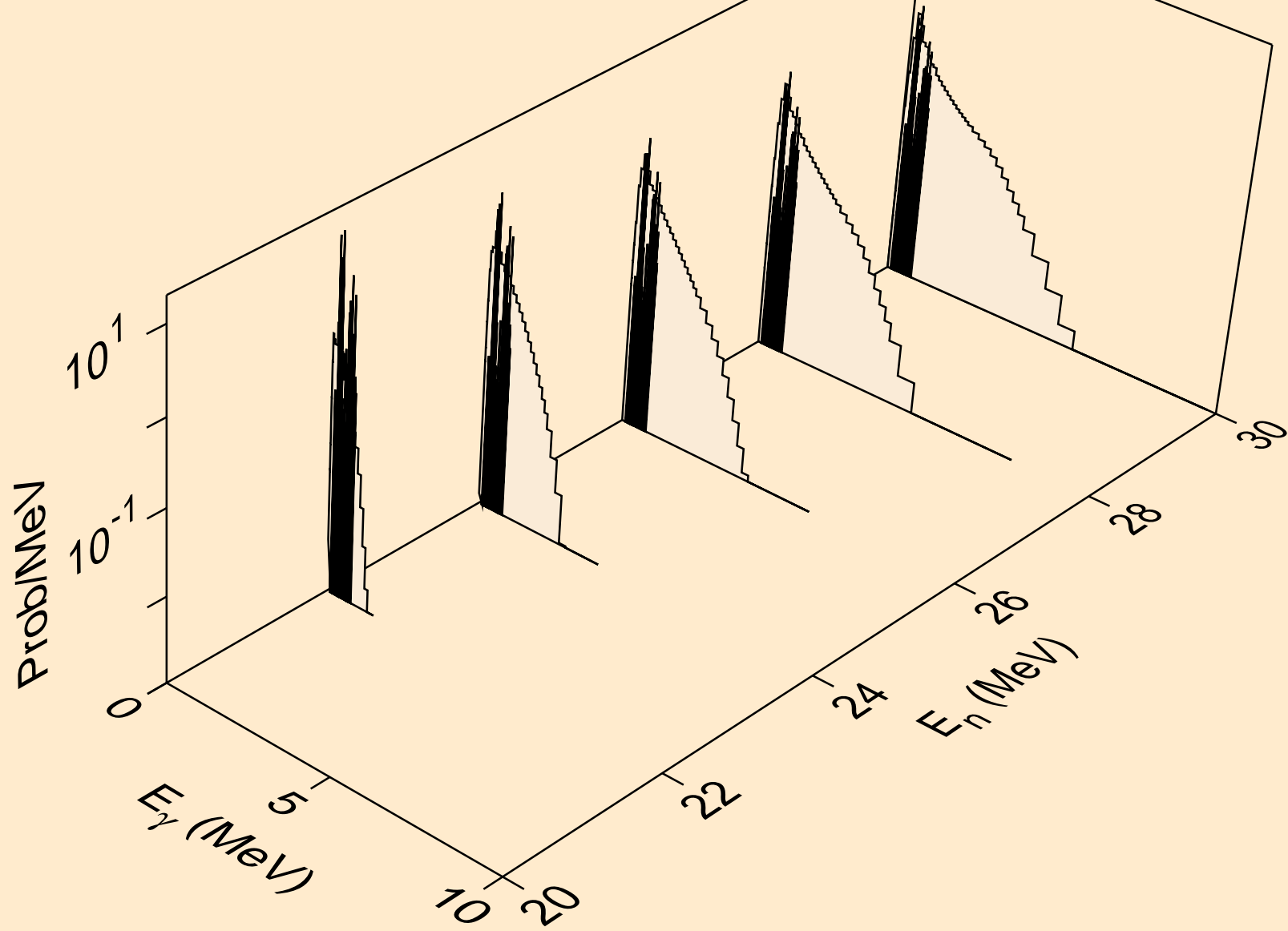
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Photon emission for (z,n)



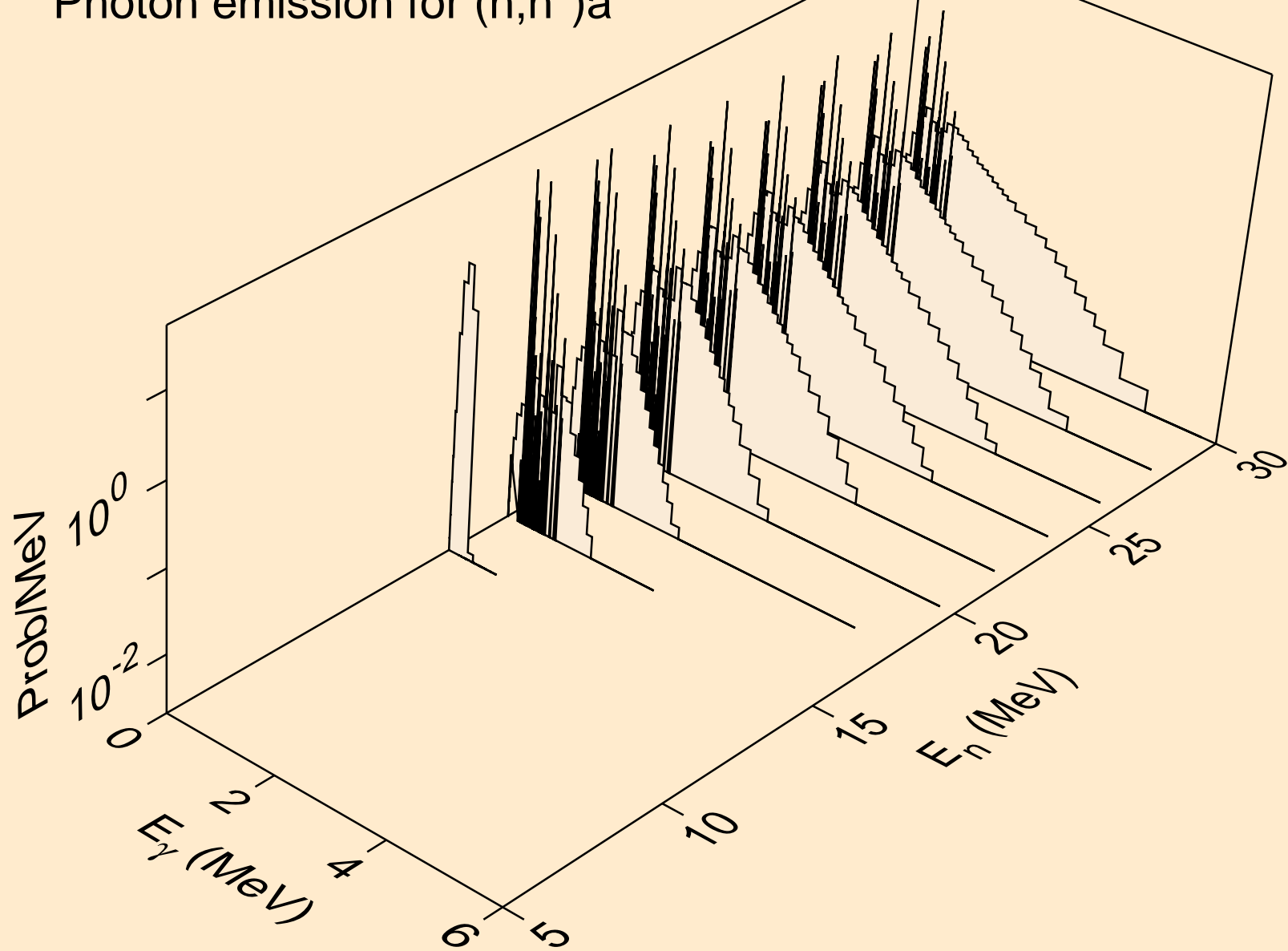
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Photon emission for (z,x)



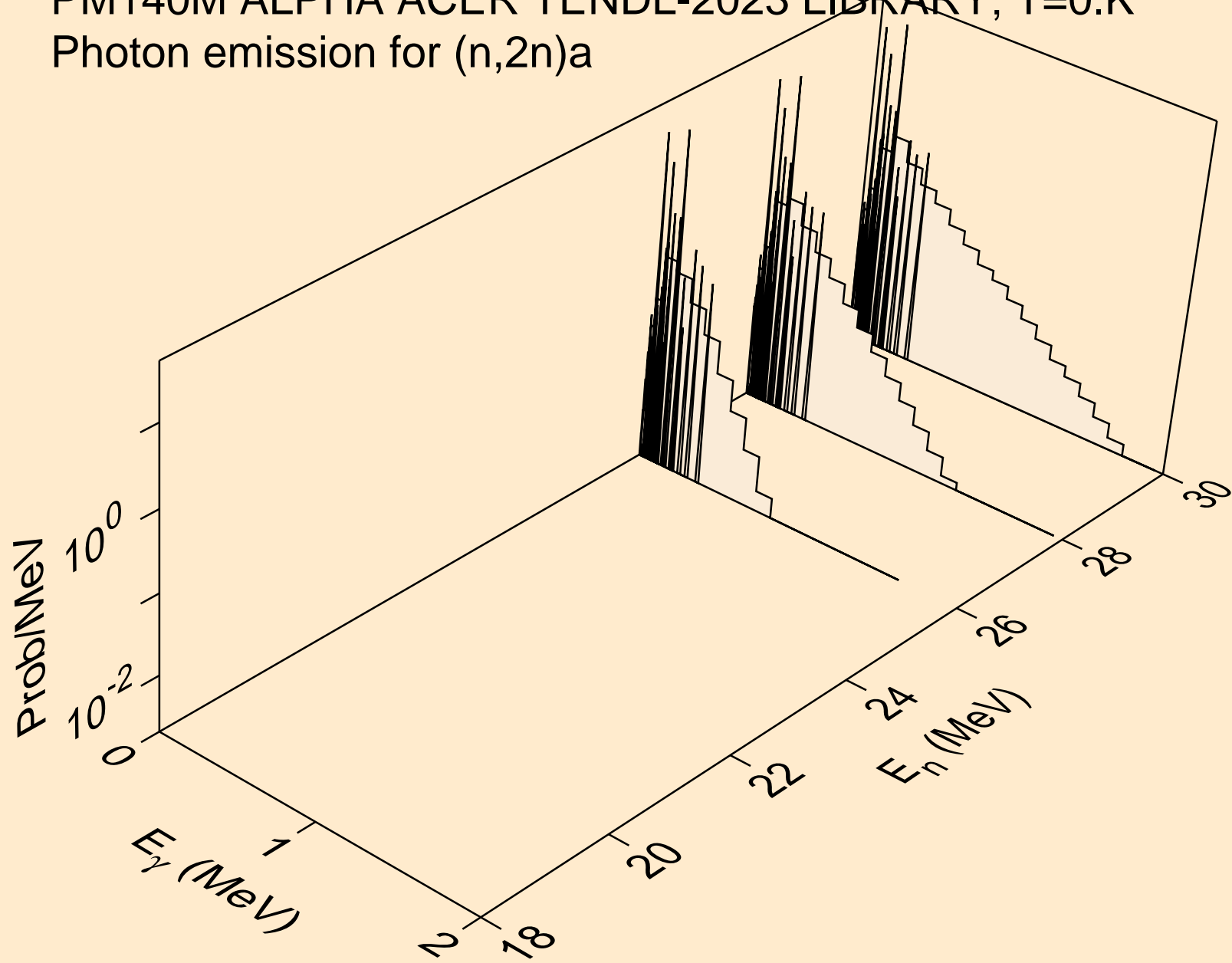
PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



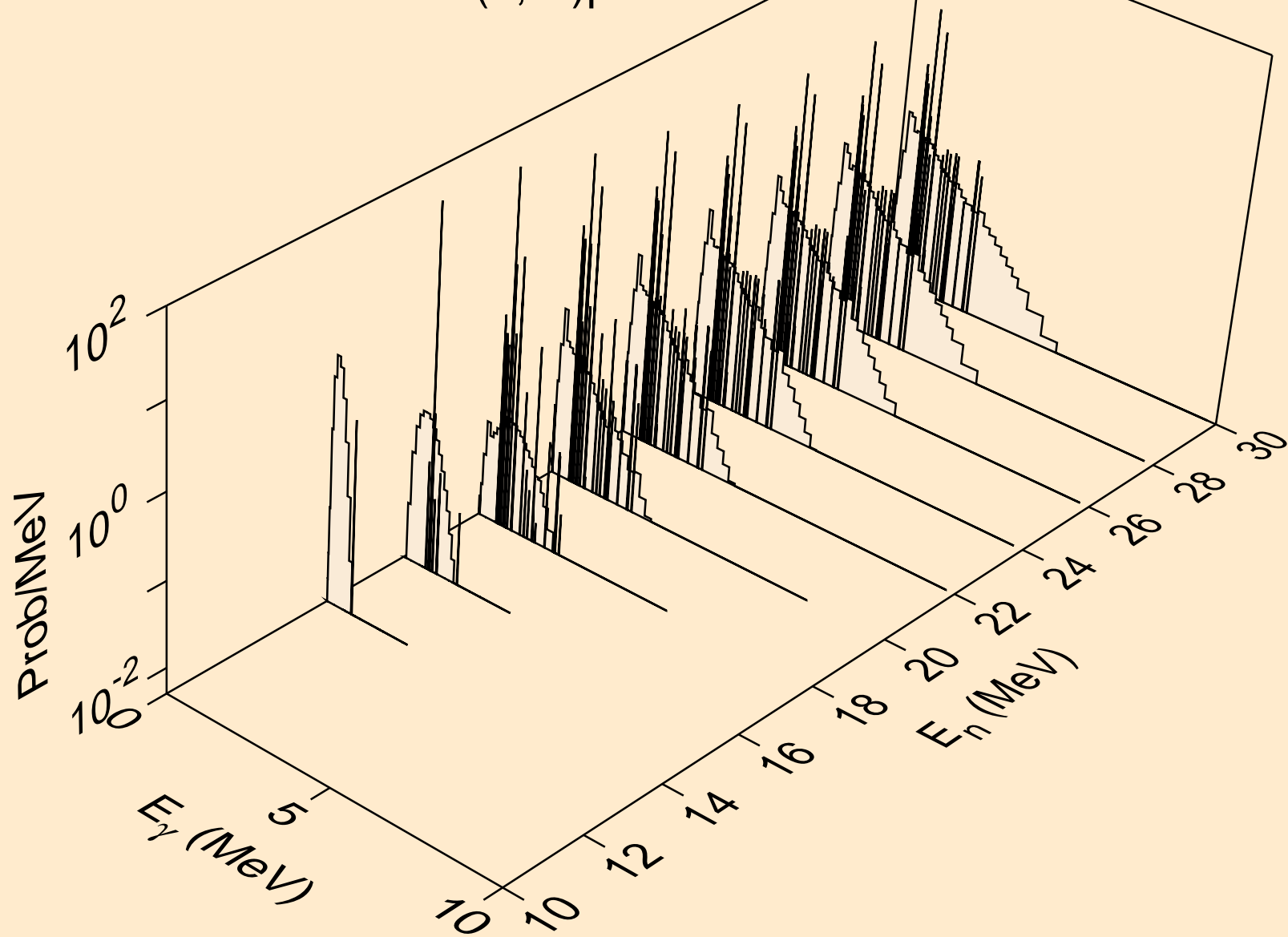
PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



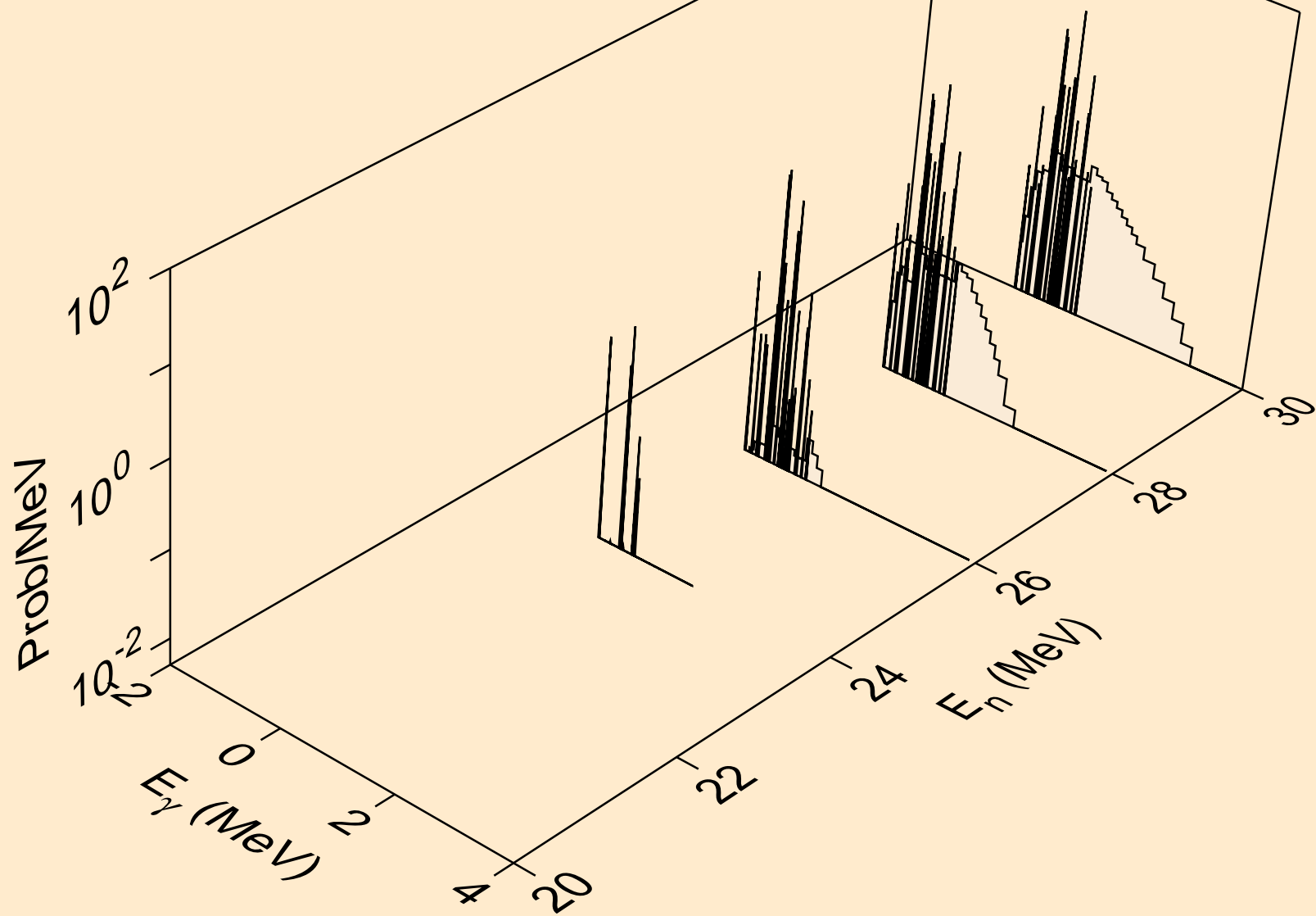
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Photon emission for (n,2n)a



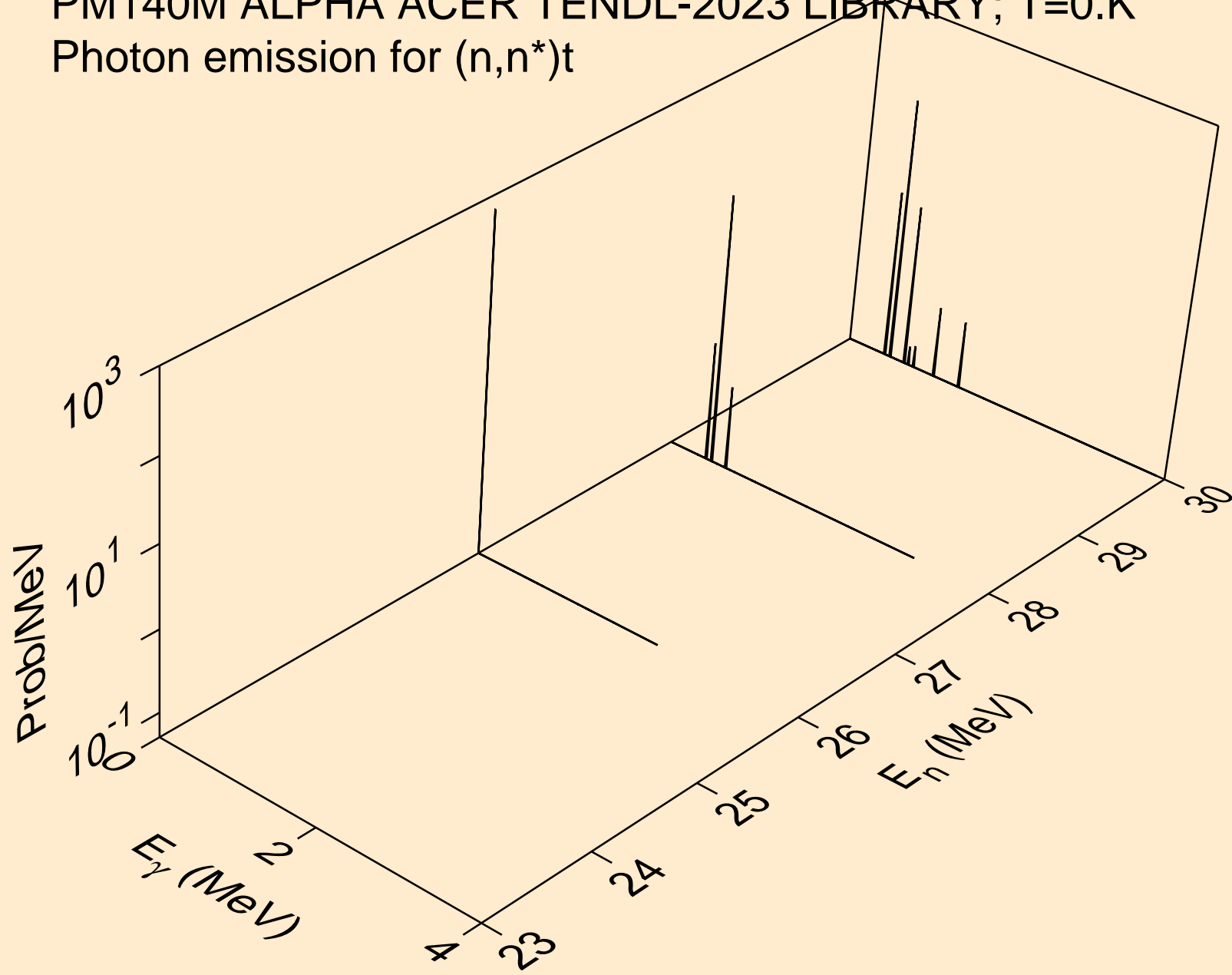
PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

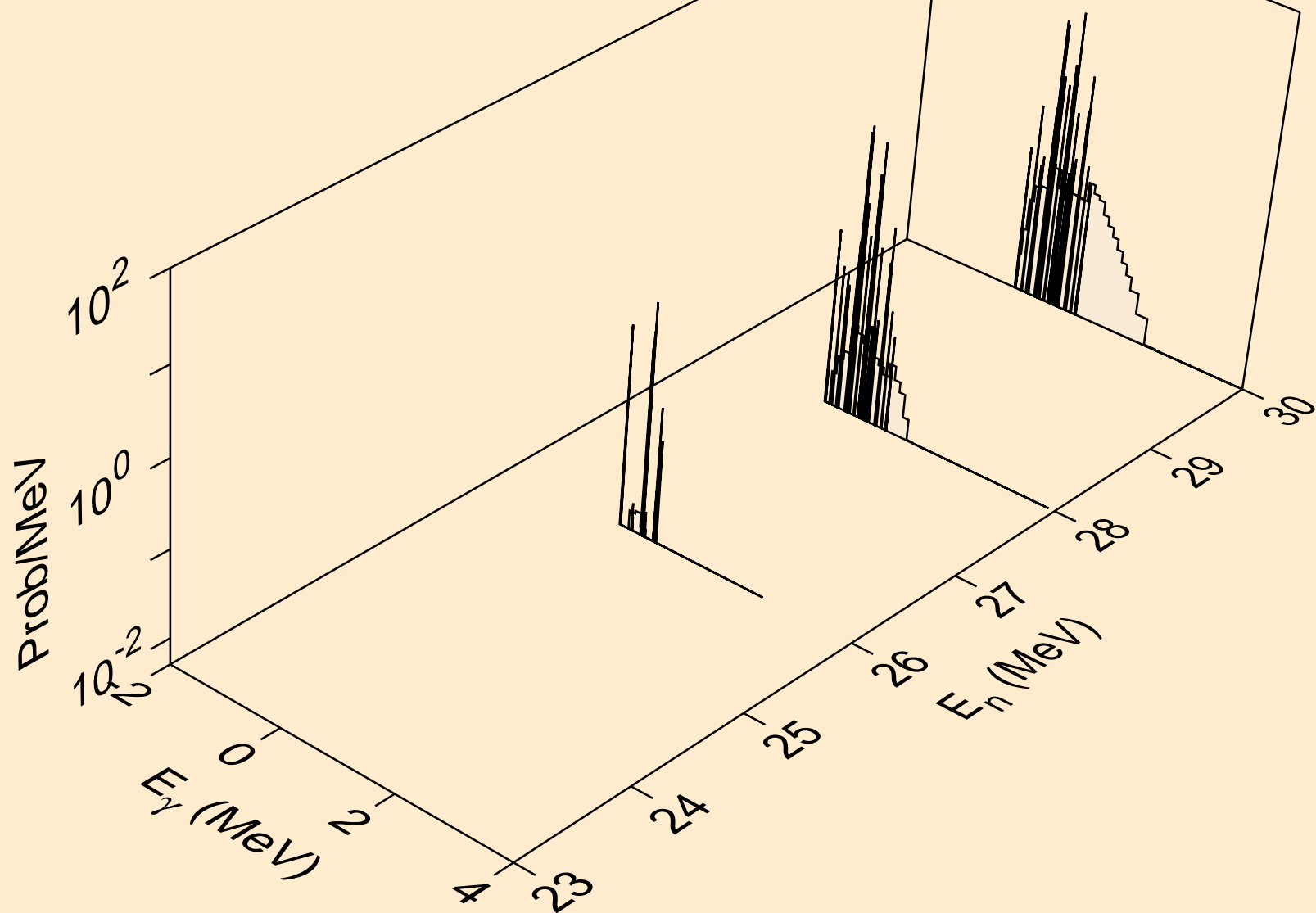


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Photon emission for (n,n\*)t

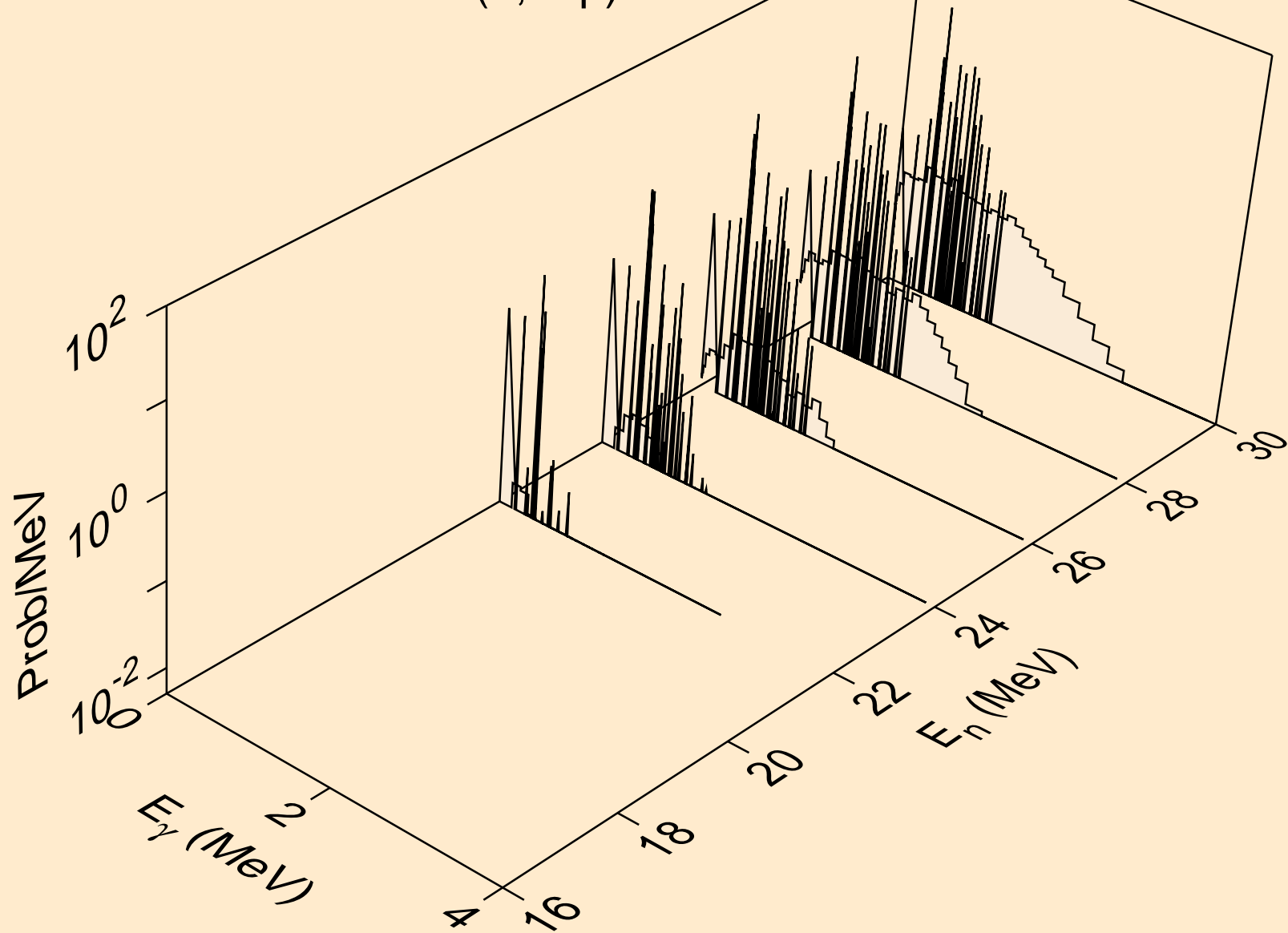




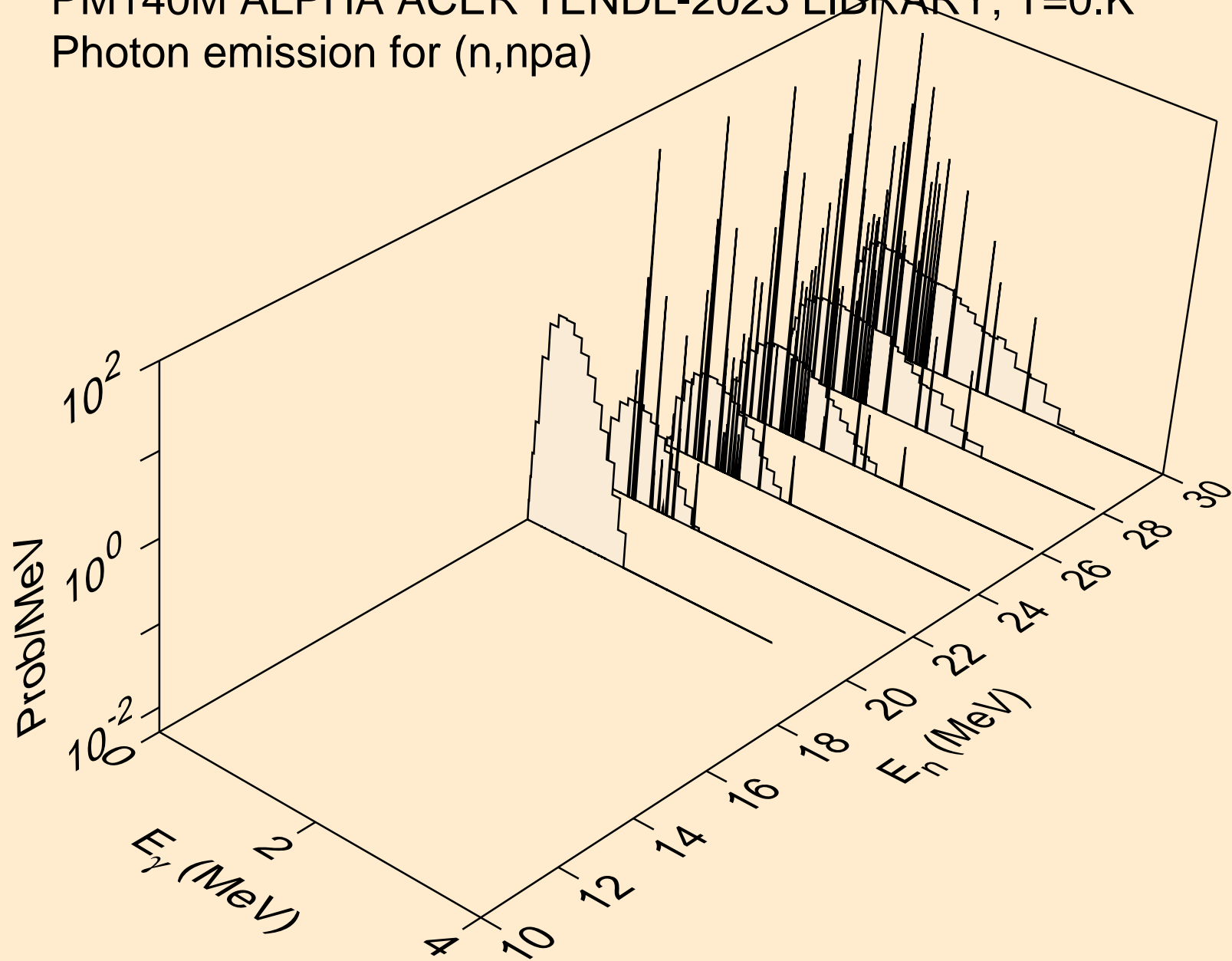
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Photon emission for (n,2np)



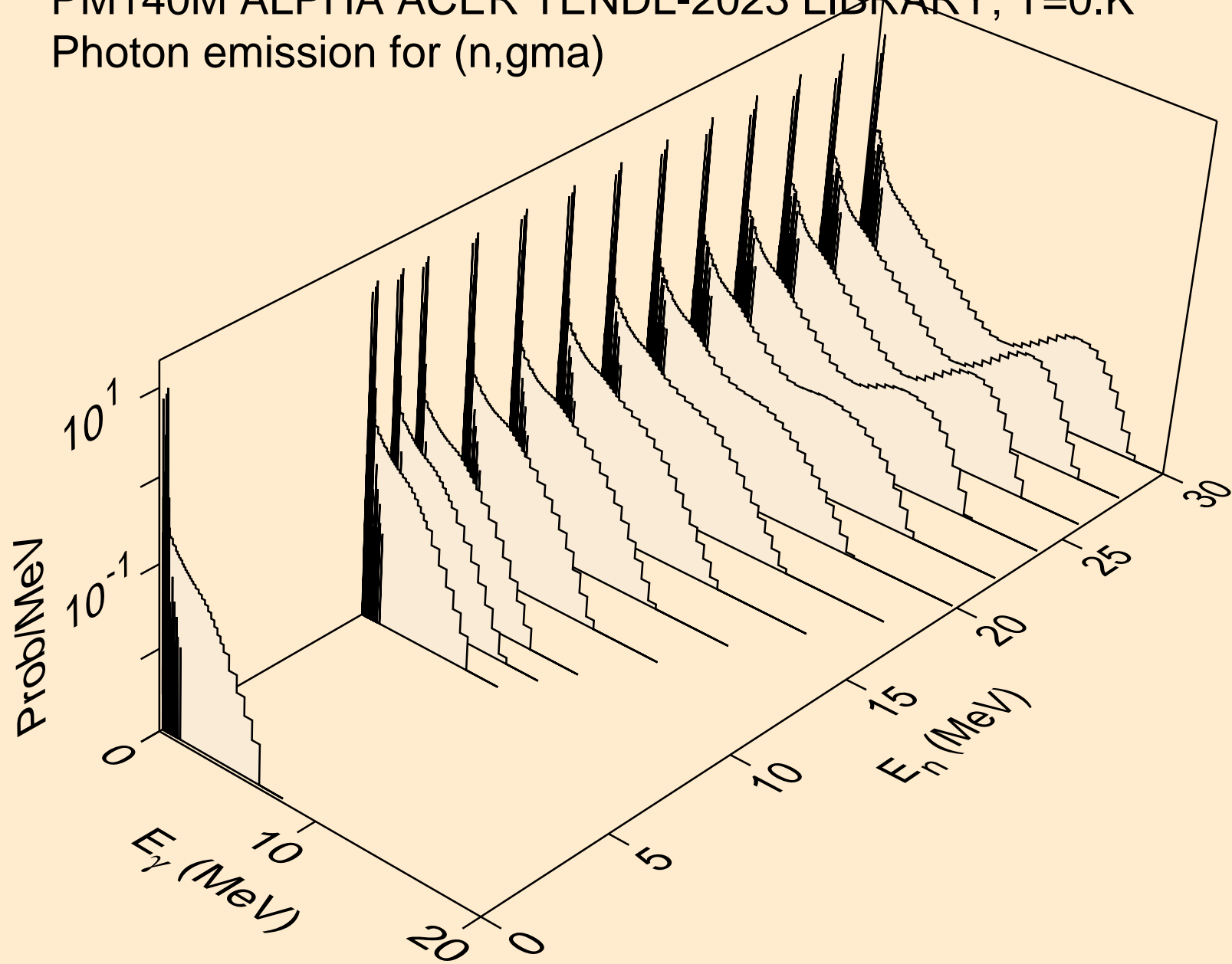
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Photon emission for (n,n2p)



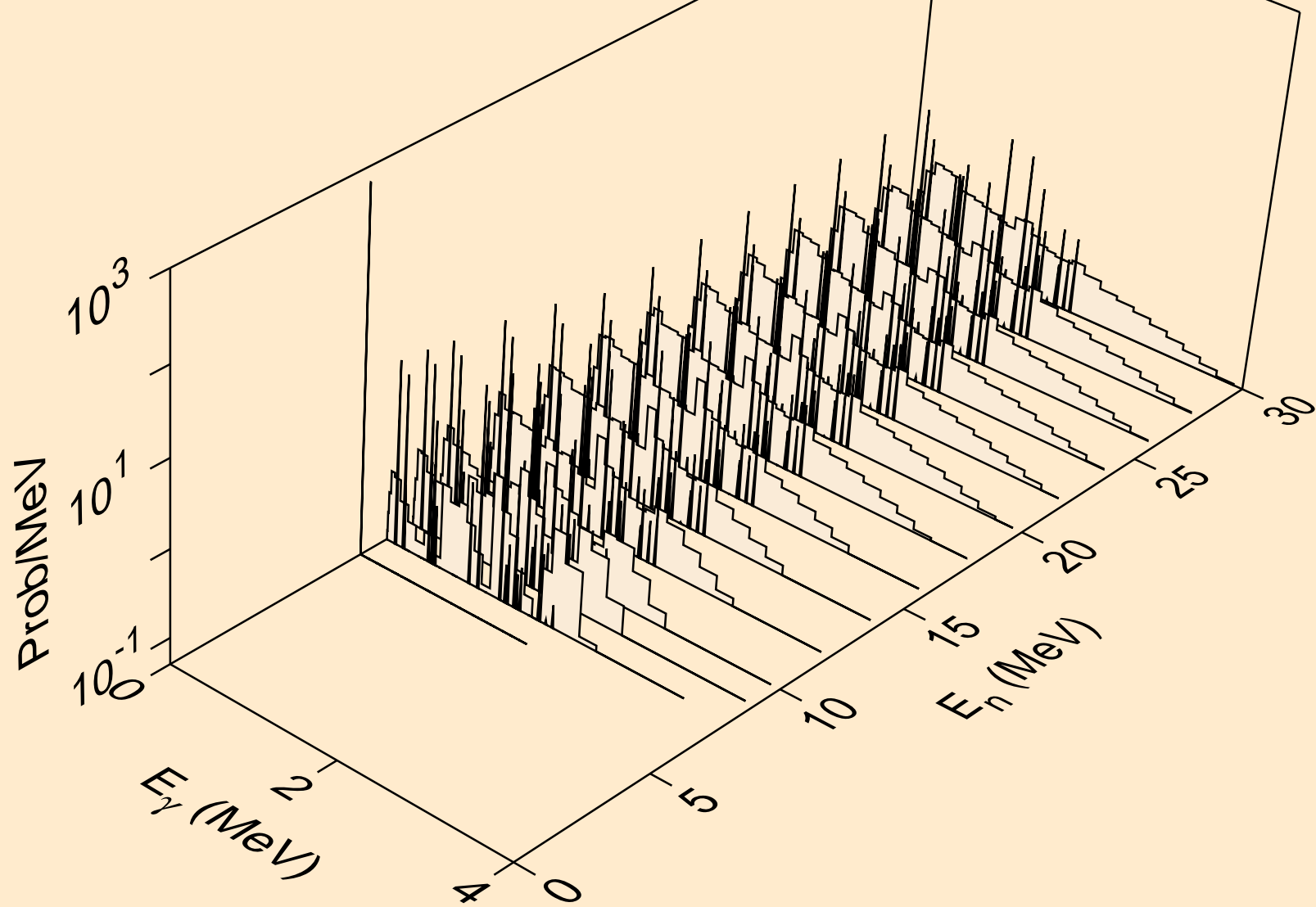
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Photon emission for (n,npa)



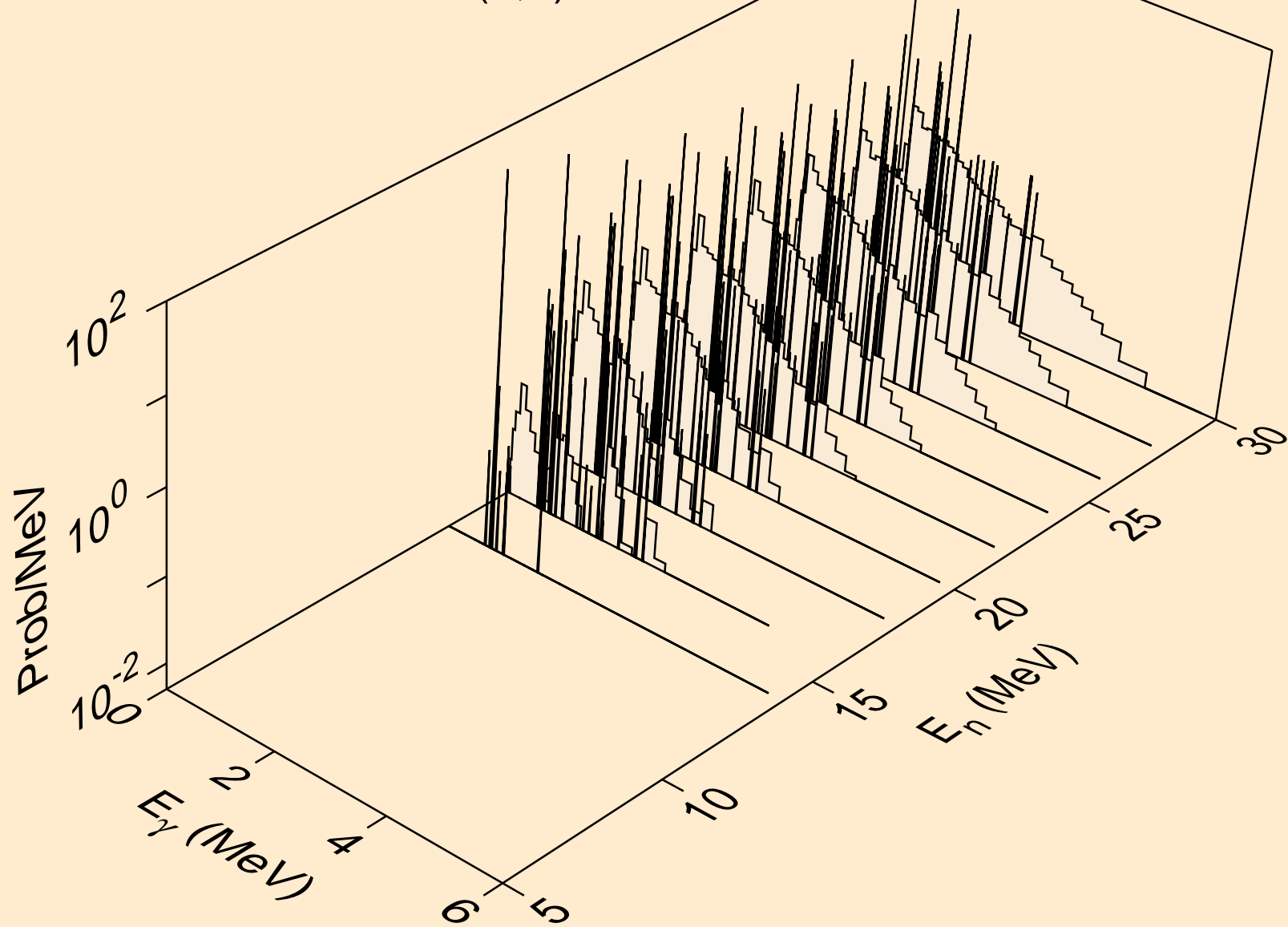
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Photon emission for (n,gma)



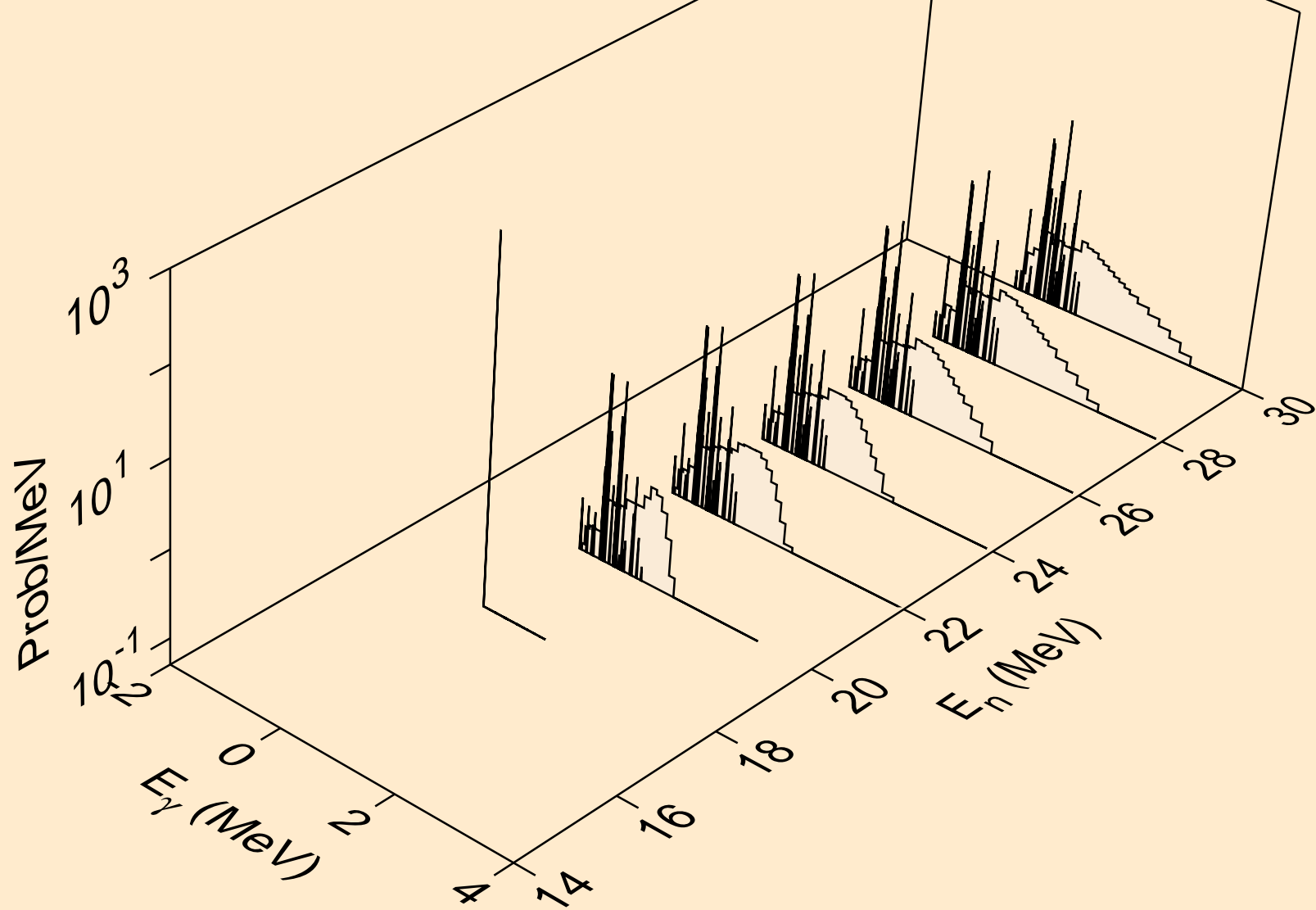
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Photon emission for (n,p)



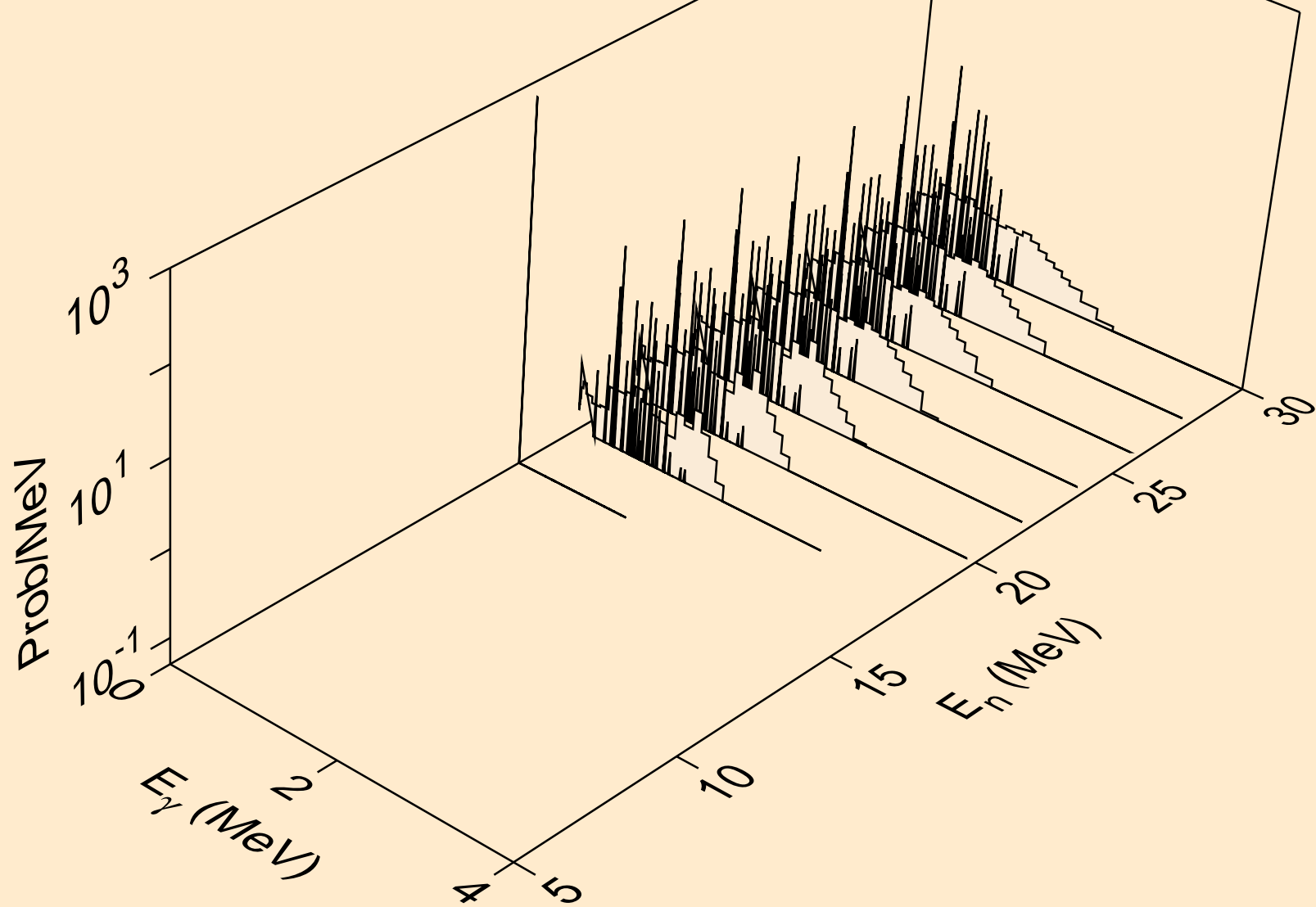
PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

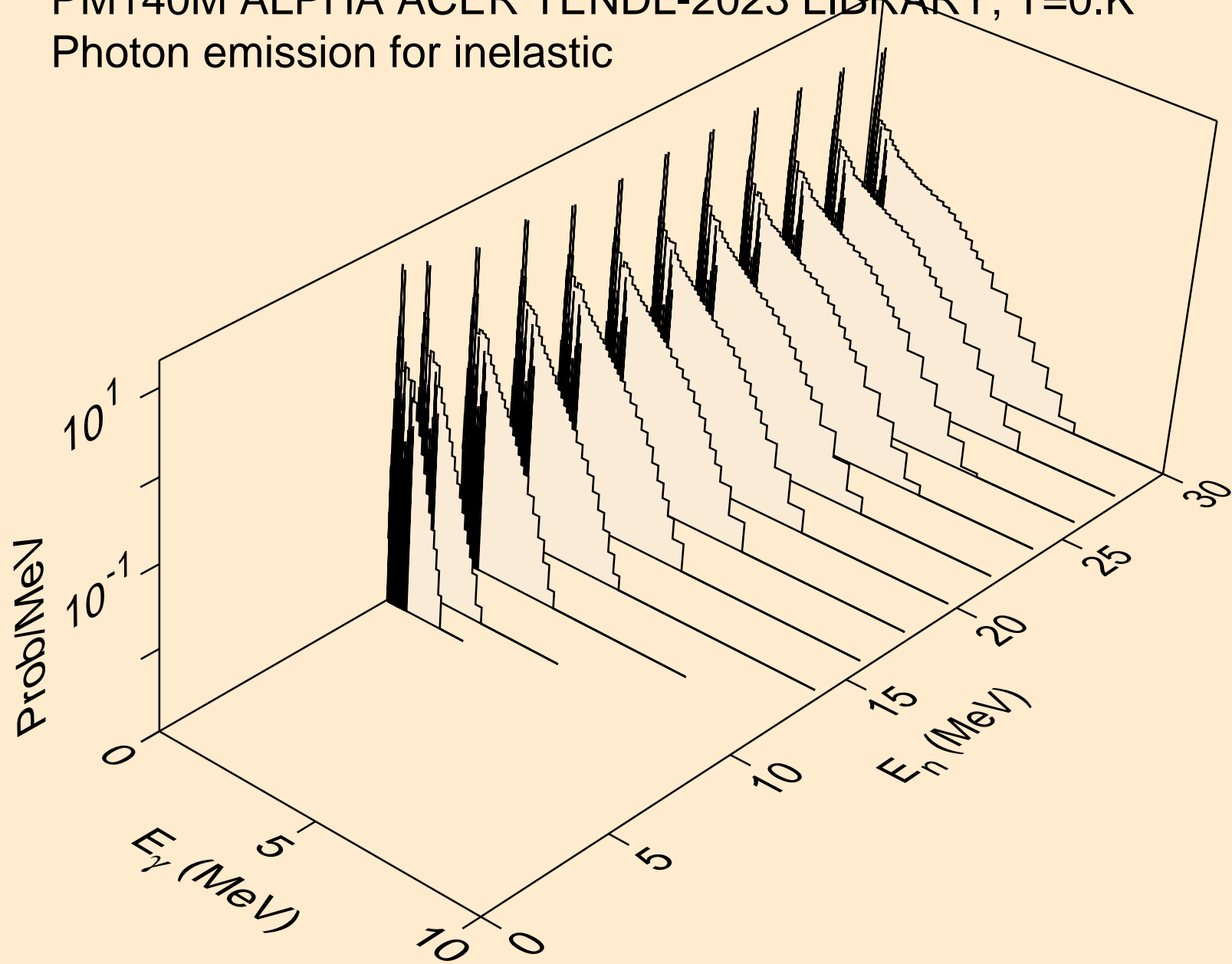


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Photon emission for (n,he3)

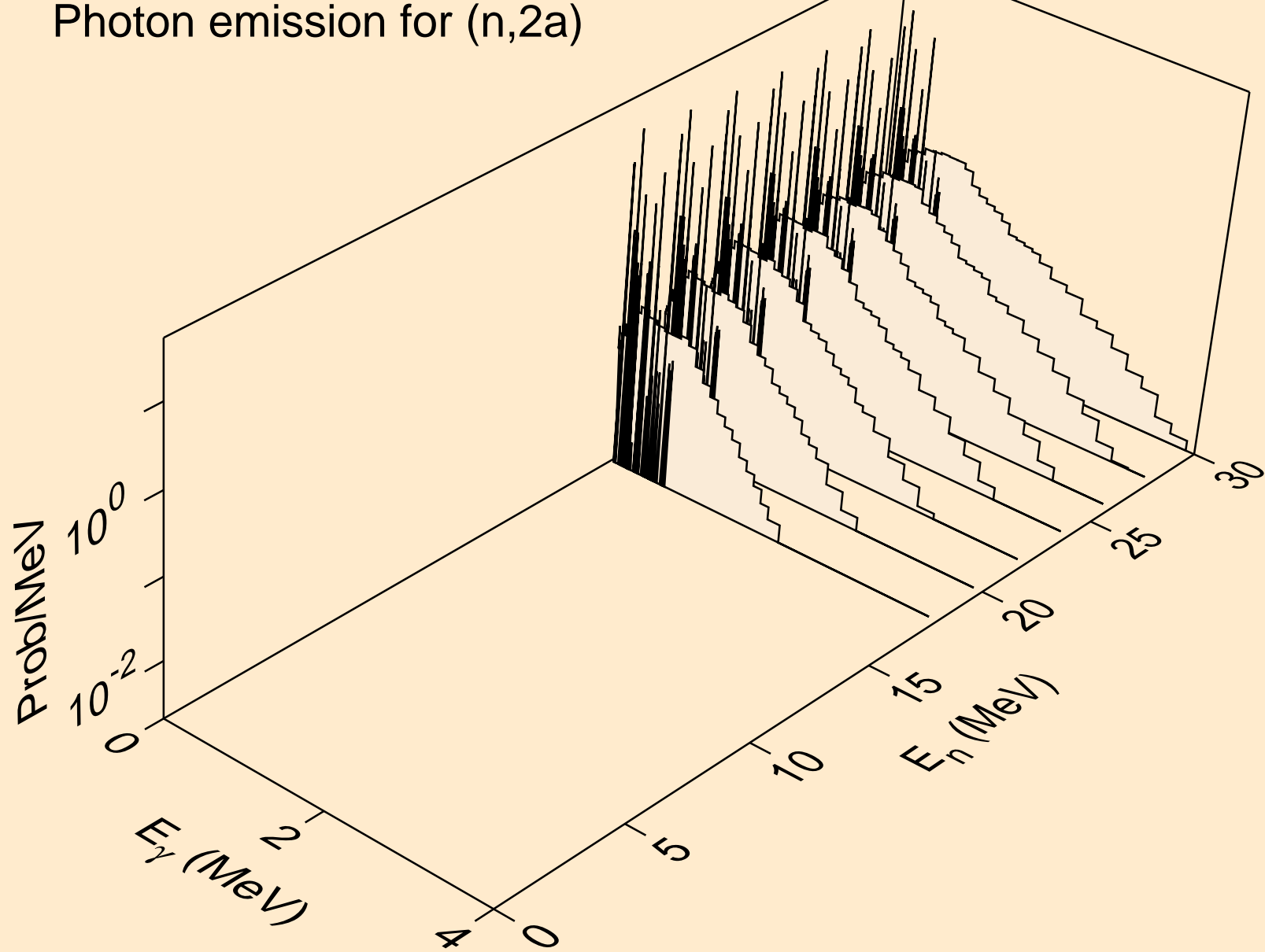




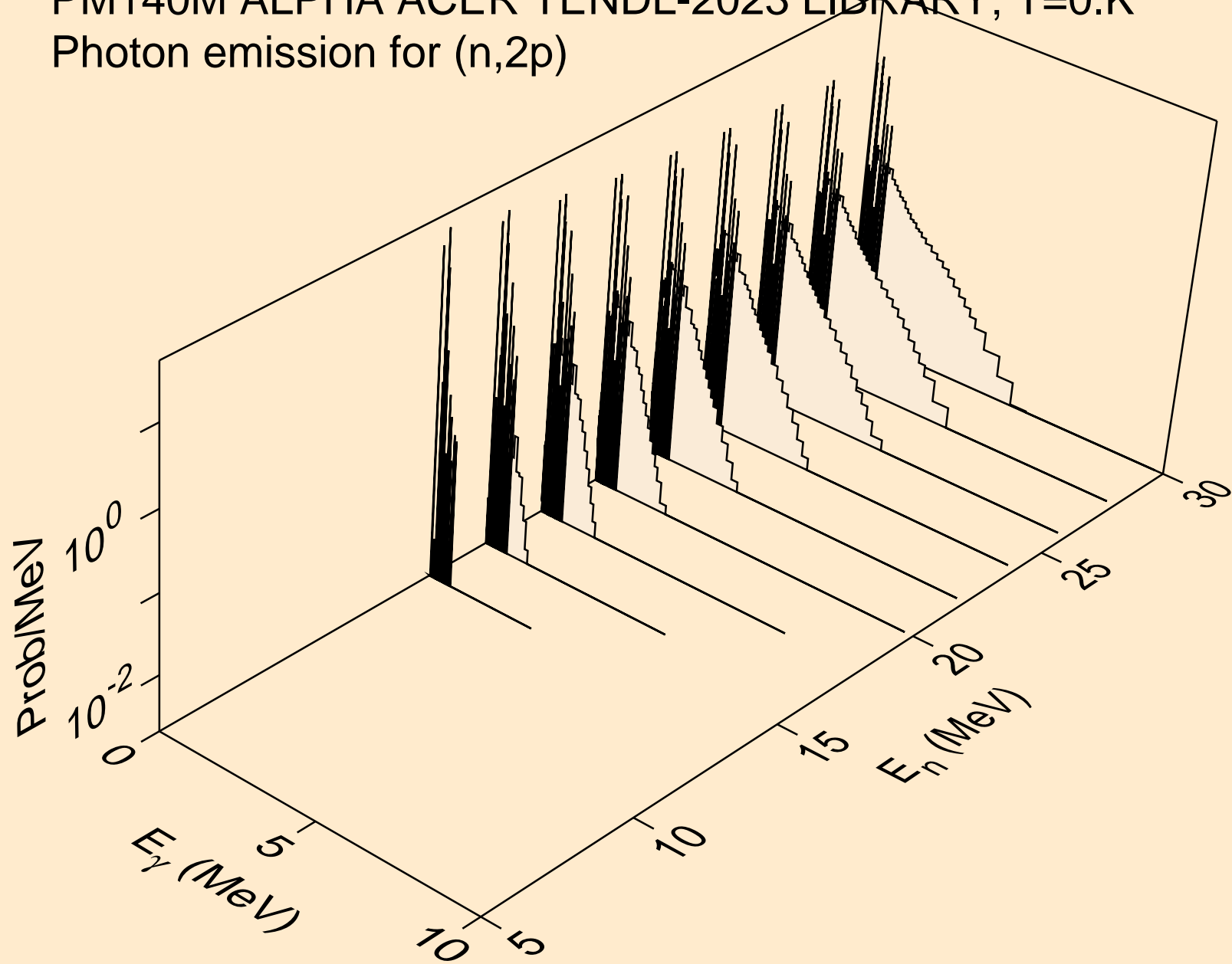
PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



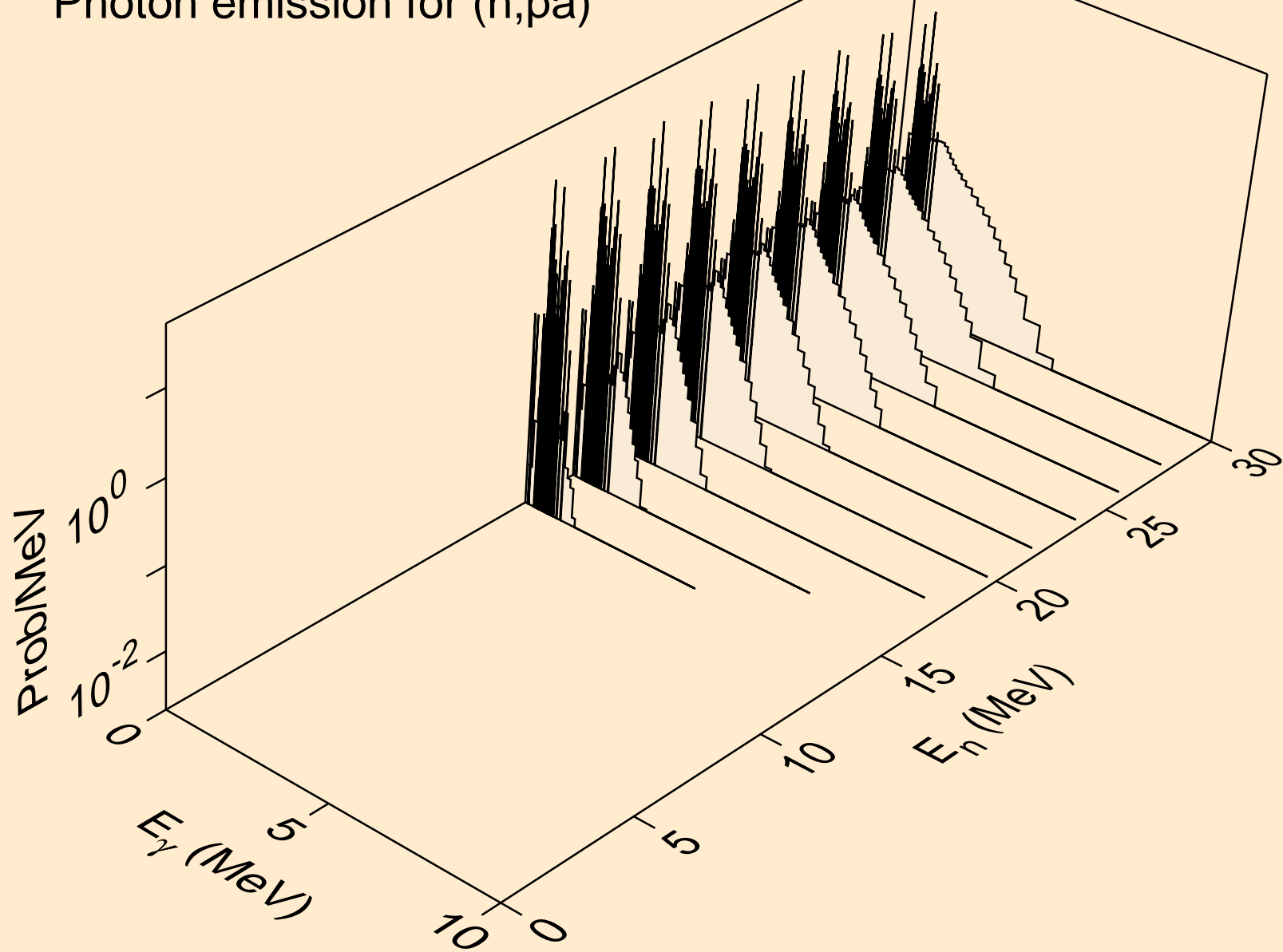
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Photon emission for (n,2a)



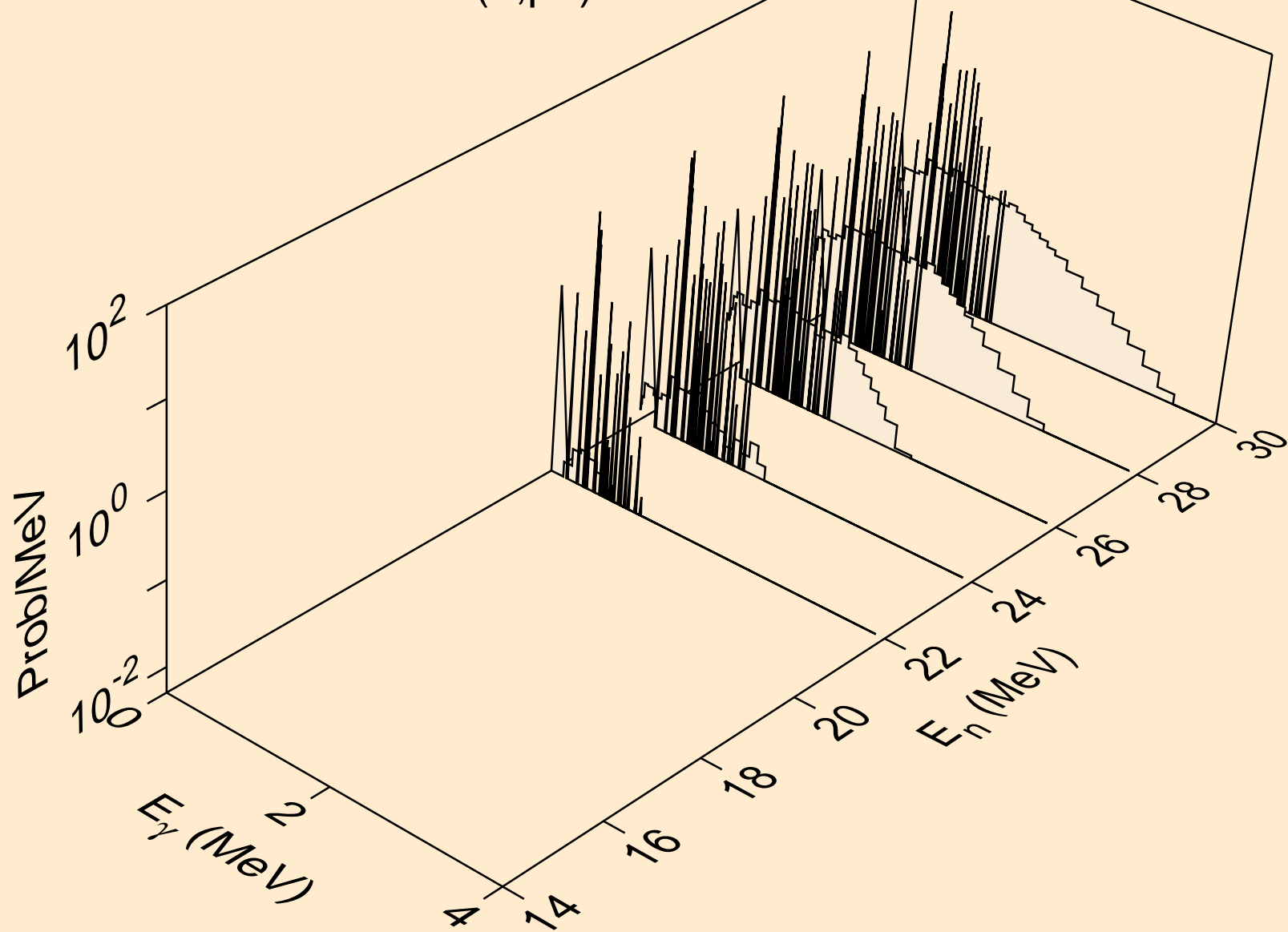
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Photon emission for (n,2p)



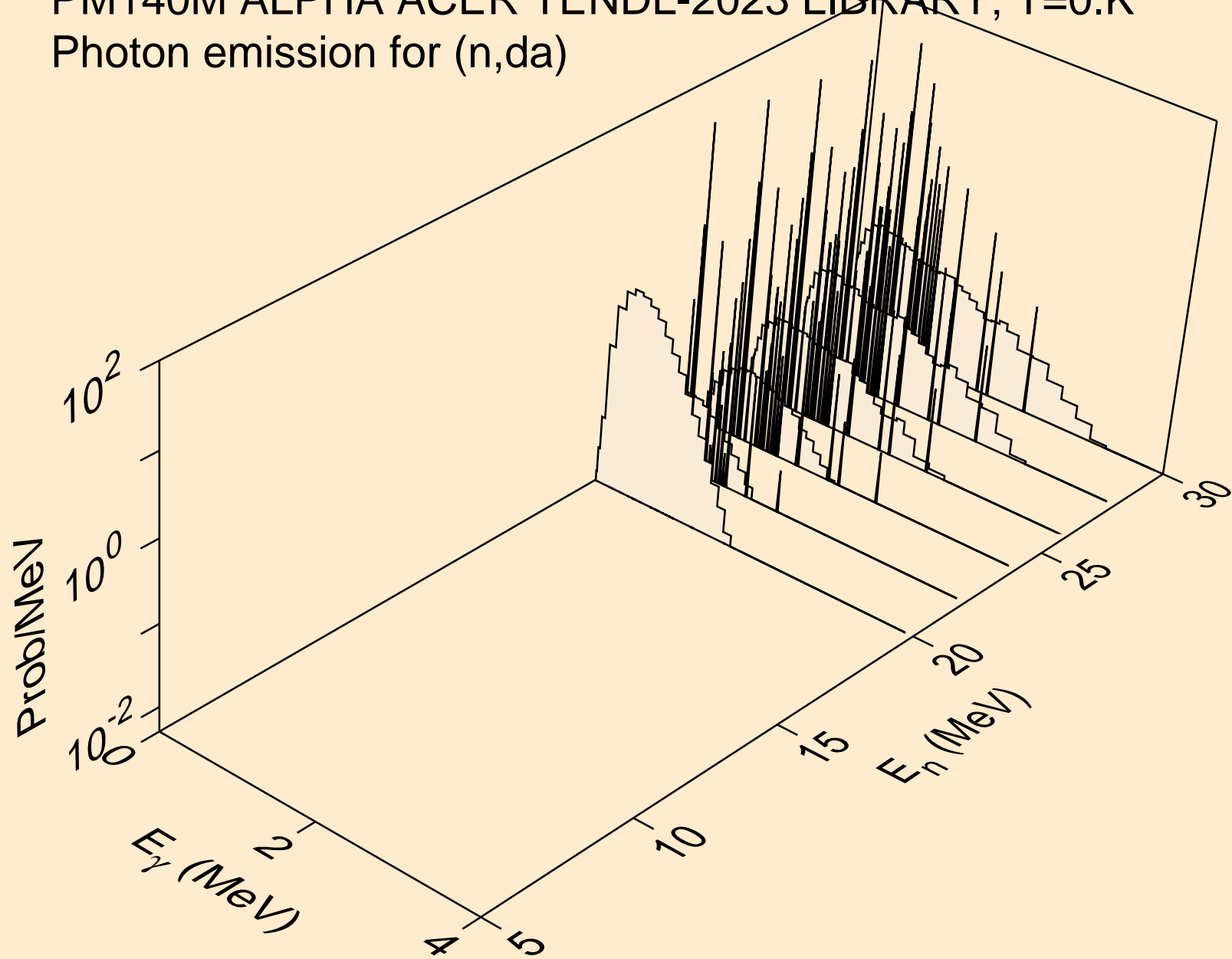
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Photon emission for (n,pa)



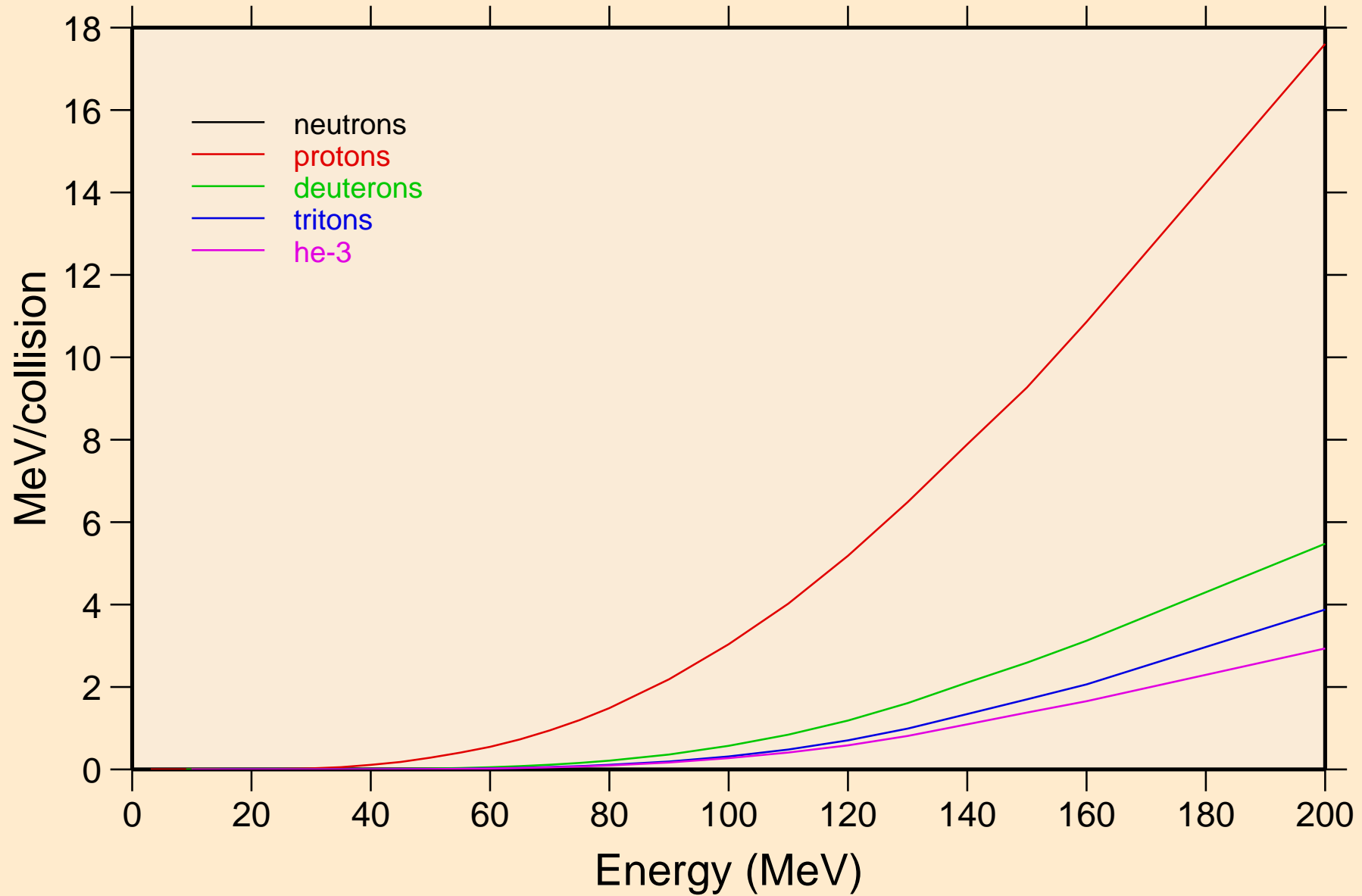
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Photon emission for (n,pd)



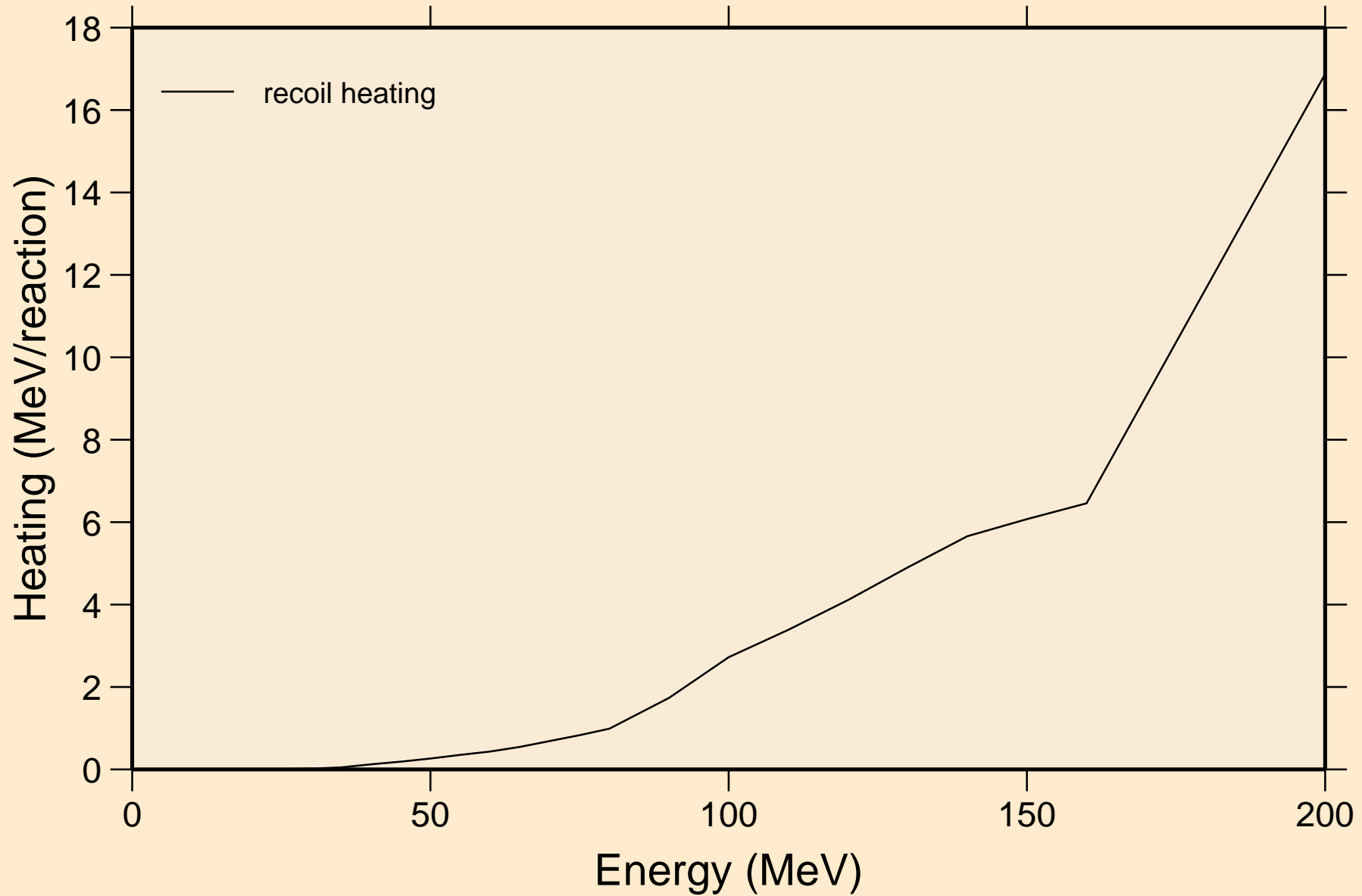
PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions

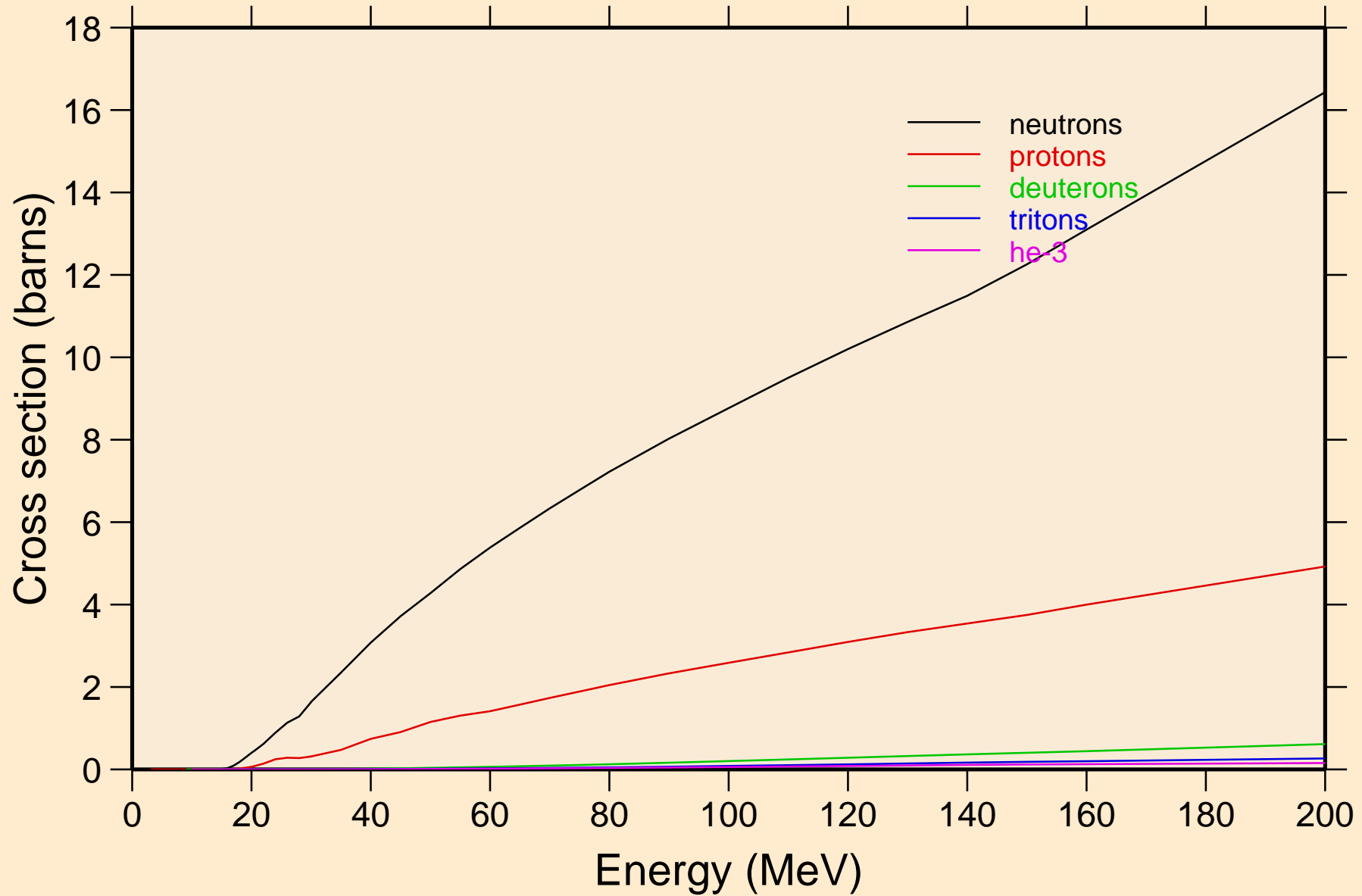


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Recoil Heating

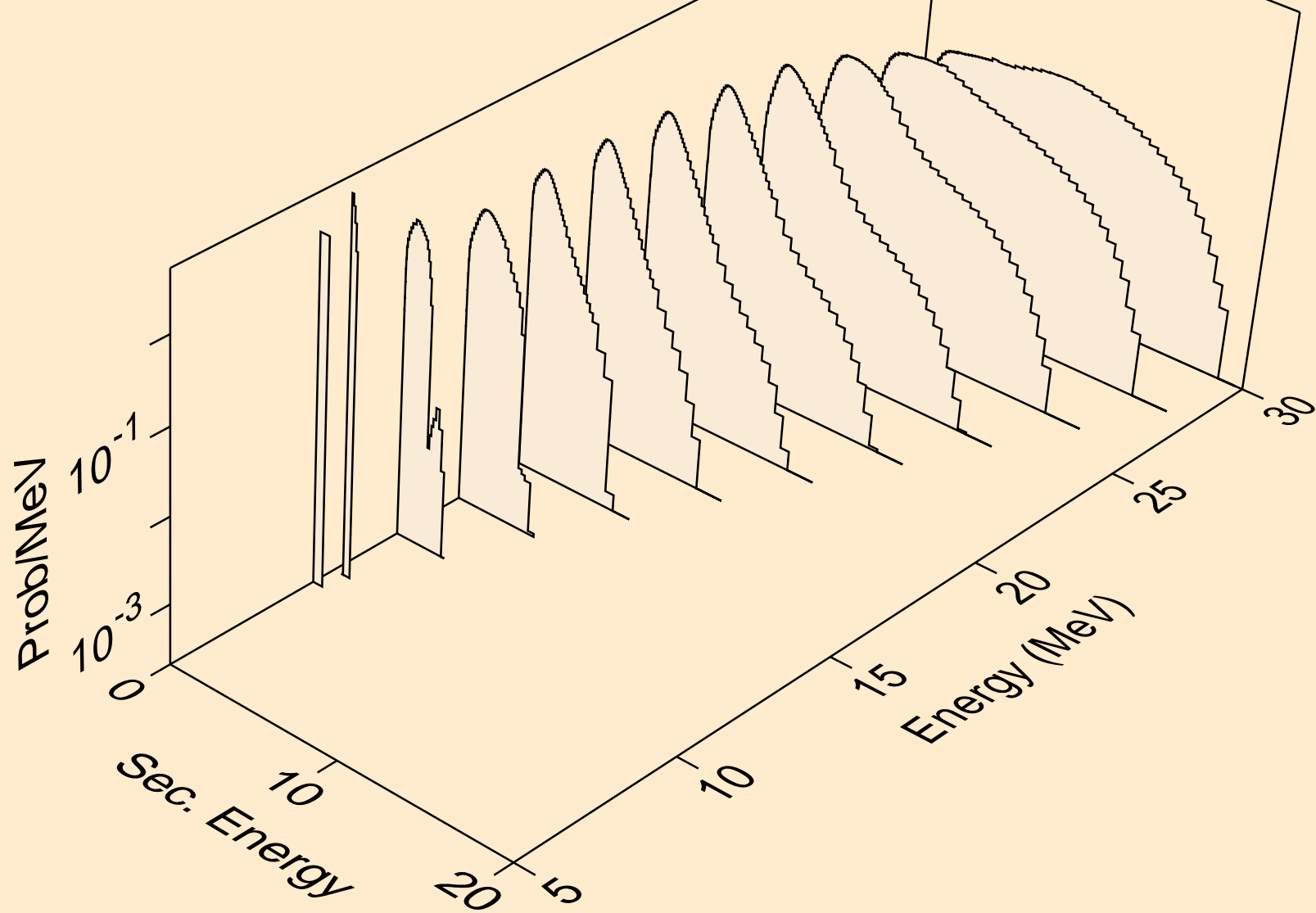




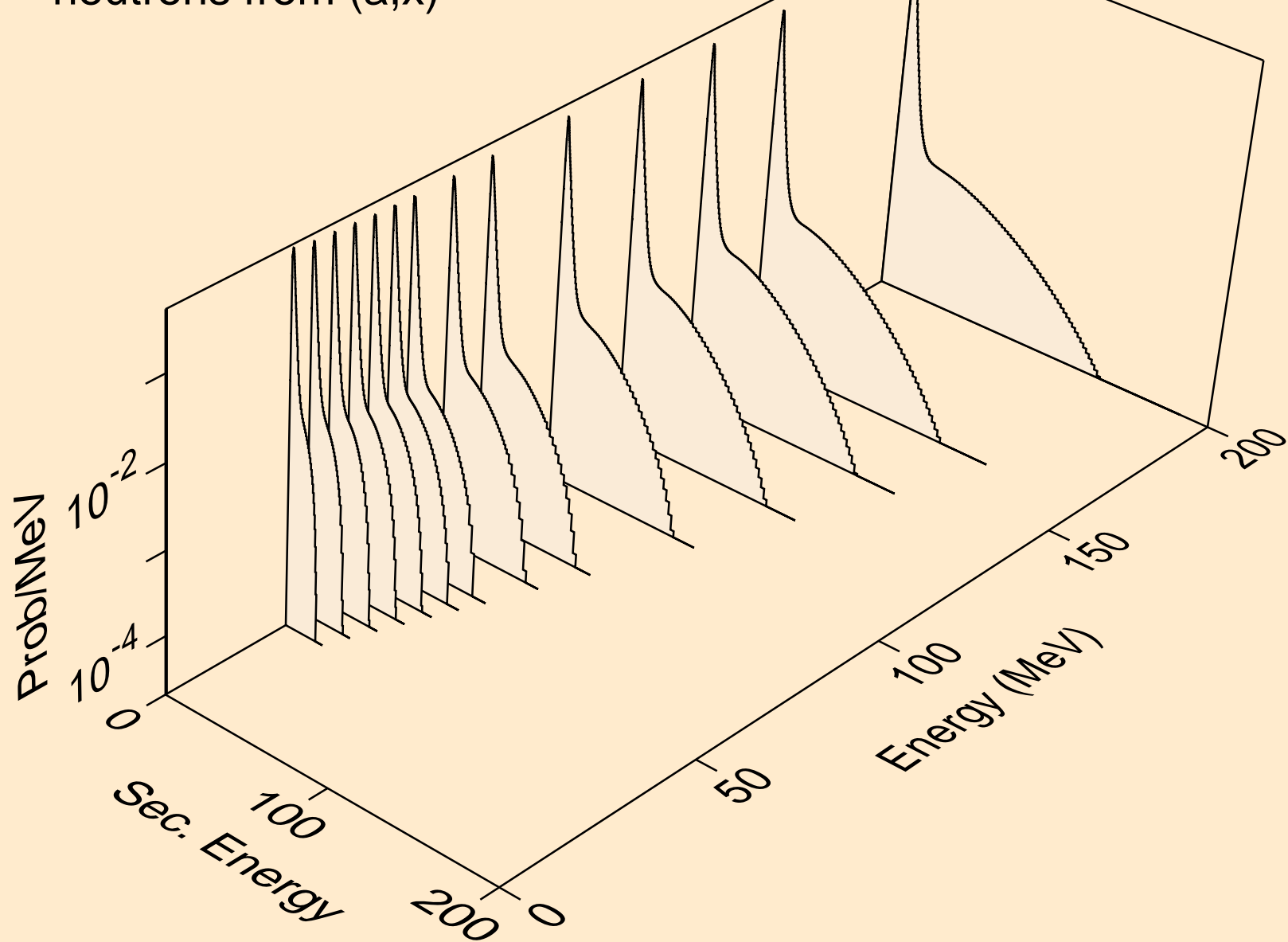
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Particle production cross sections



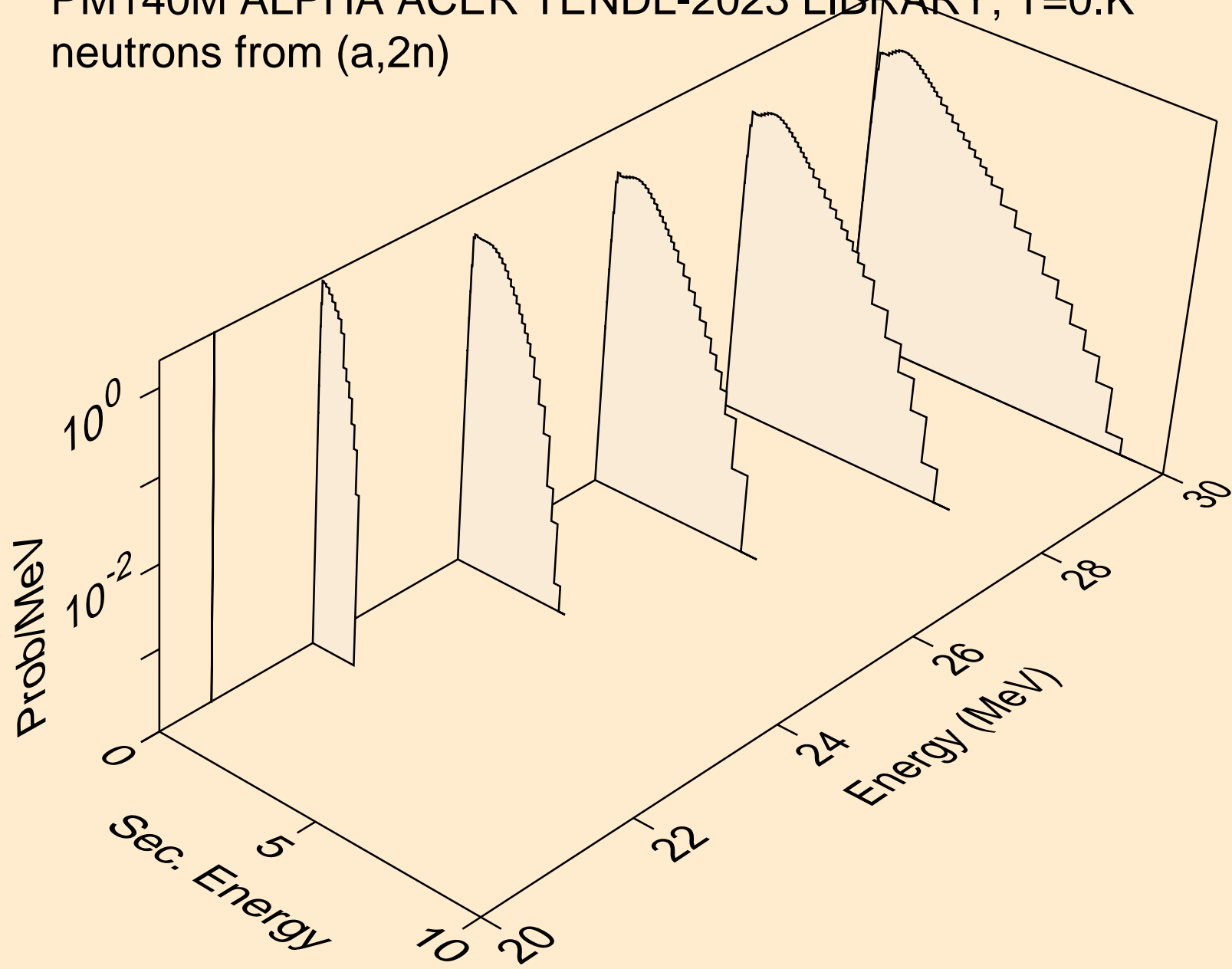
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neutrons from (a,n)



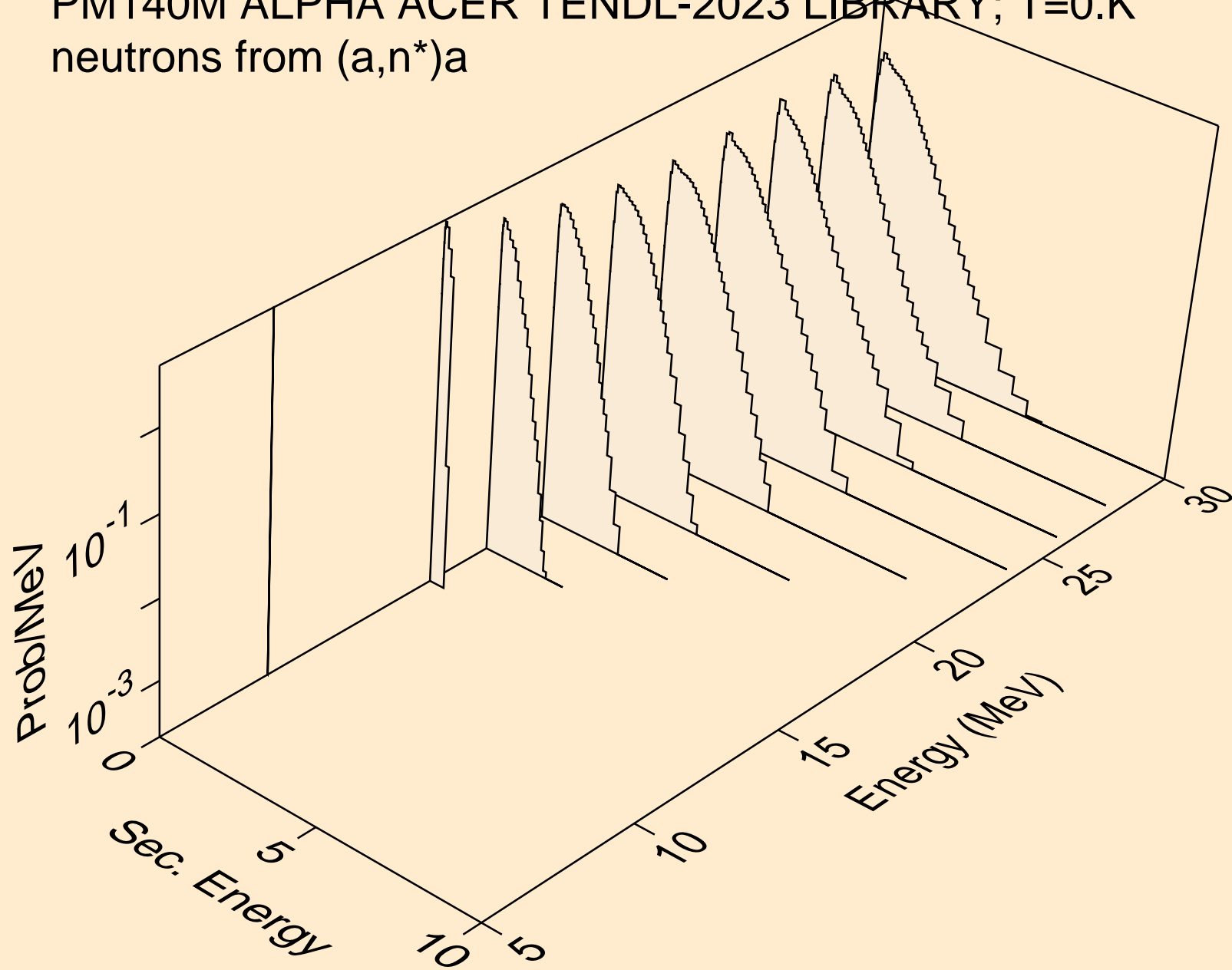
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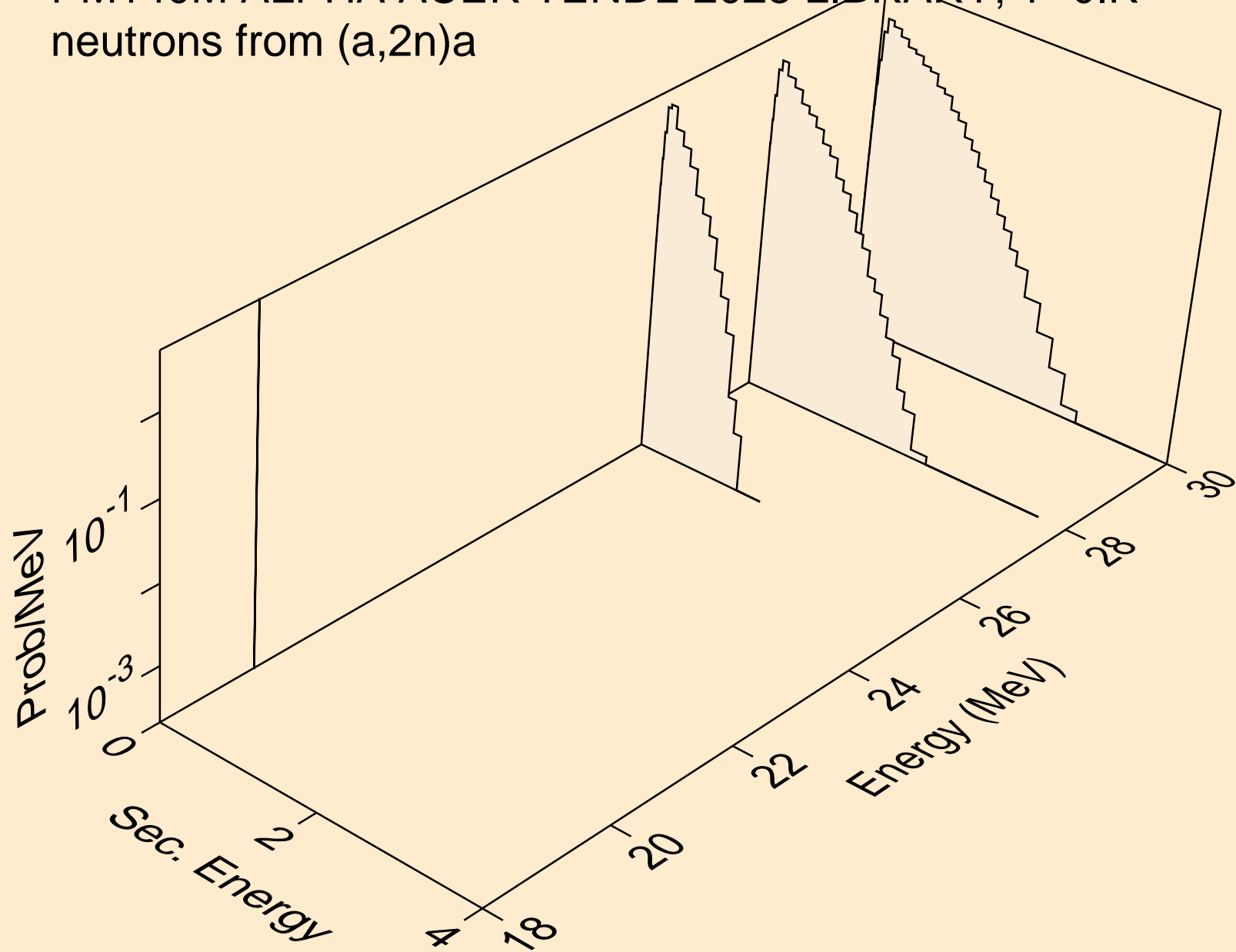
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neutrons from (a,2n)



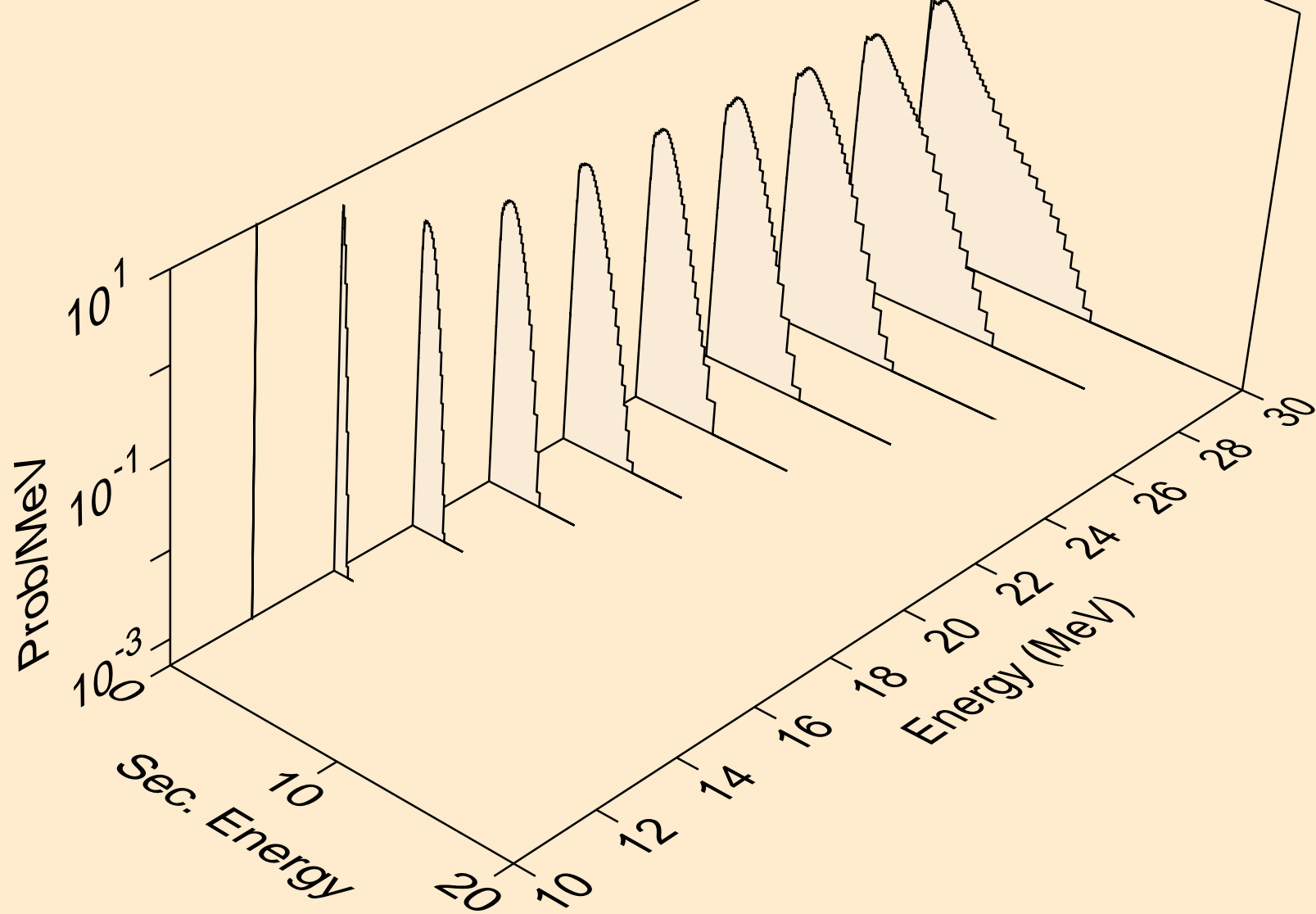
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neutrons from (a,n\*)a



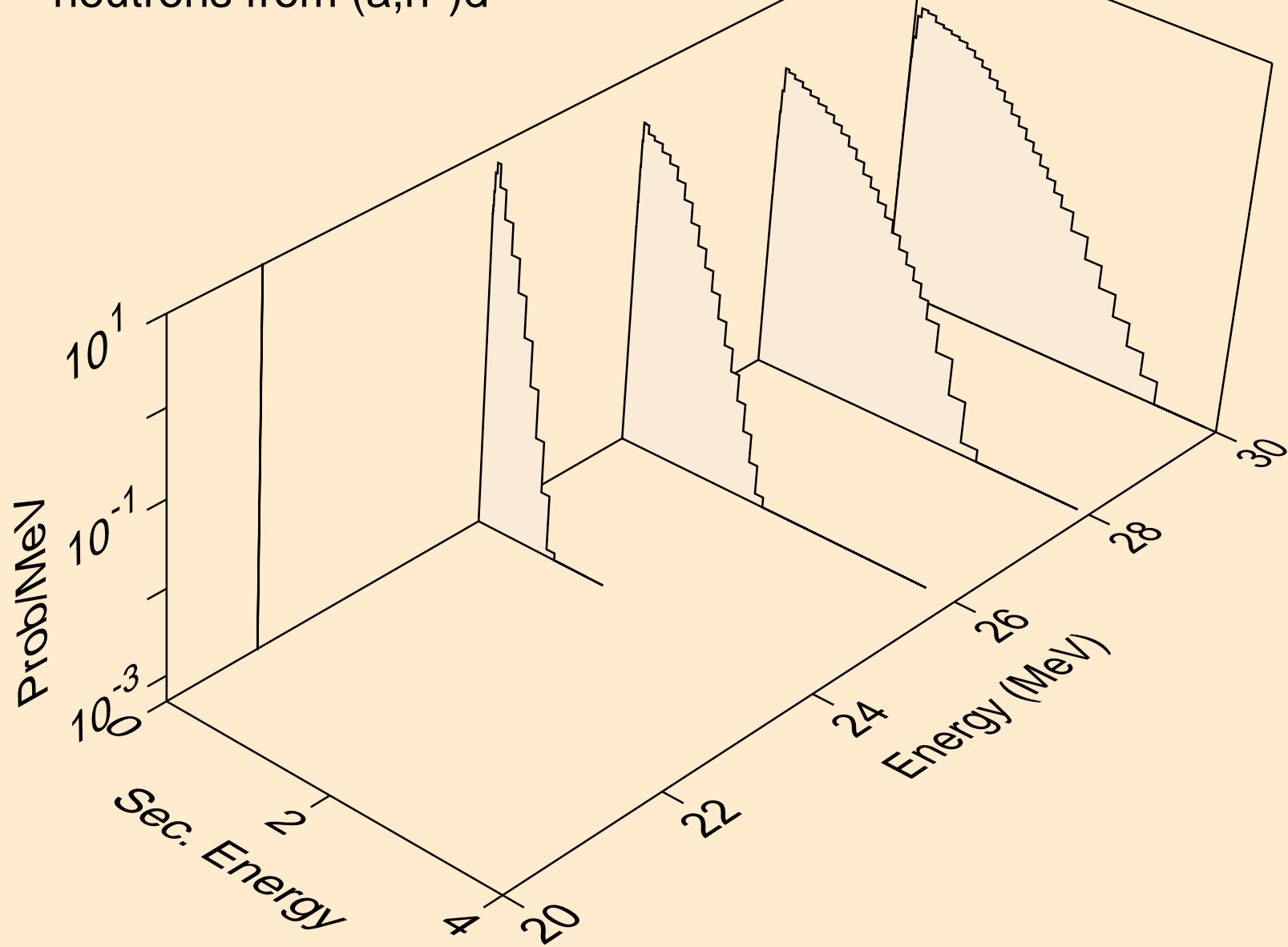
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neutrons from (a,2n)a



PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)p

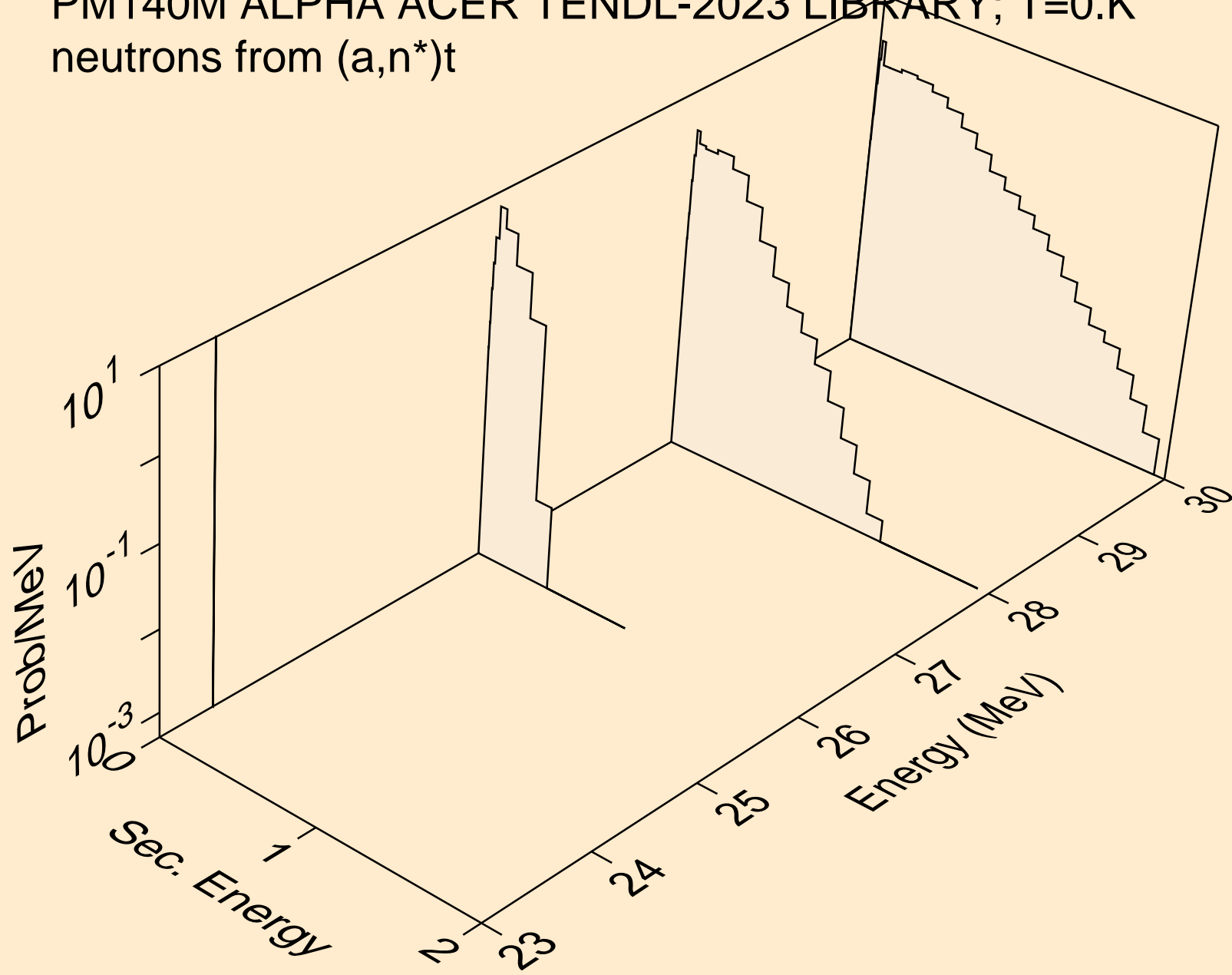


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neutrons from (a,n\*)d

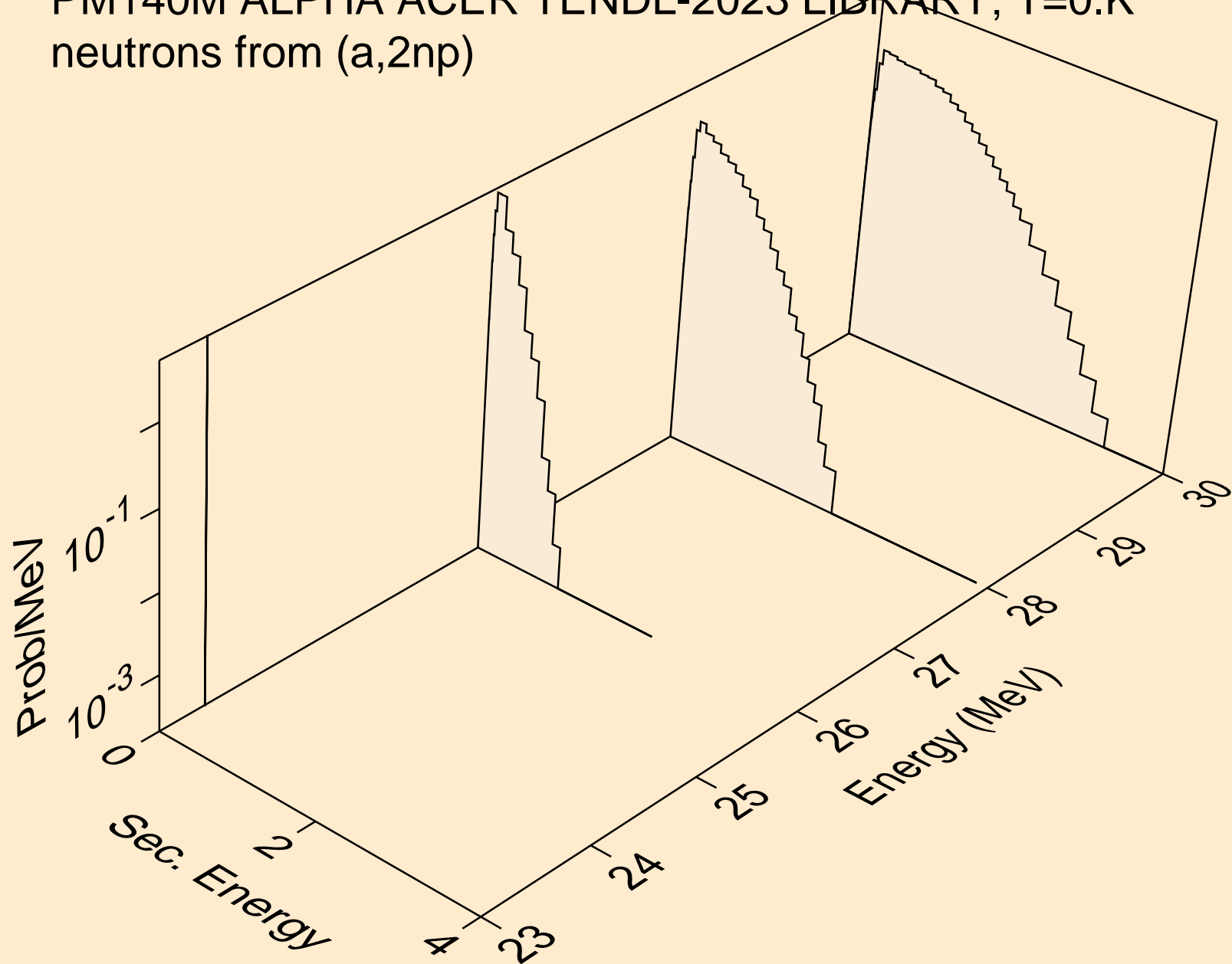




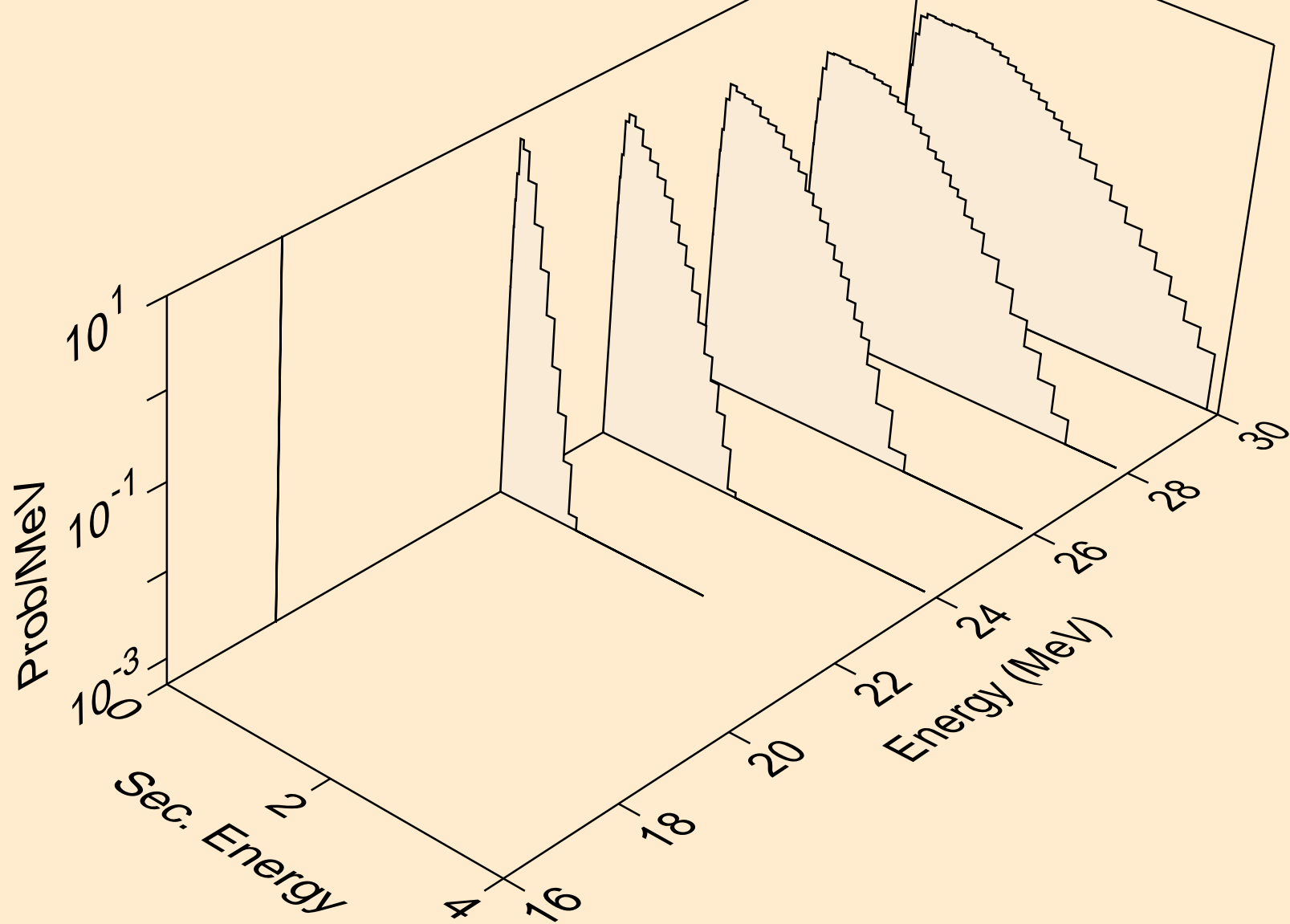
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neutrons from (a,n\*)t



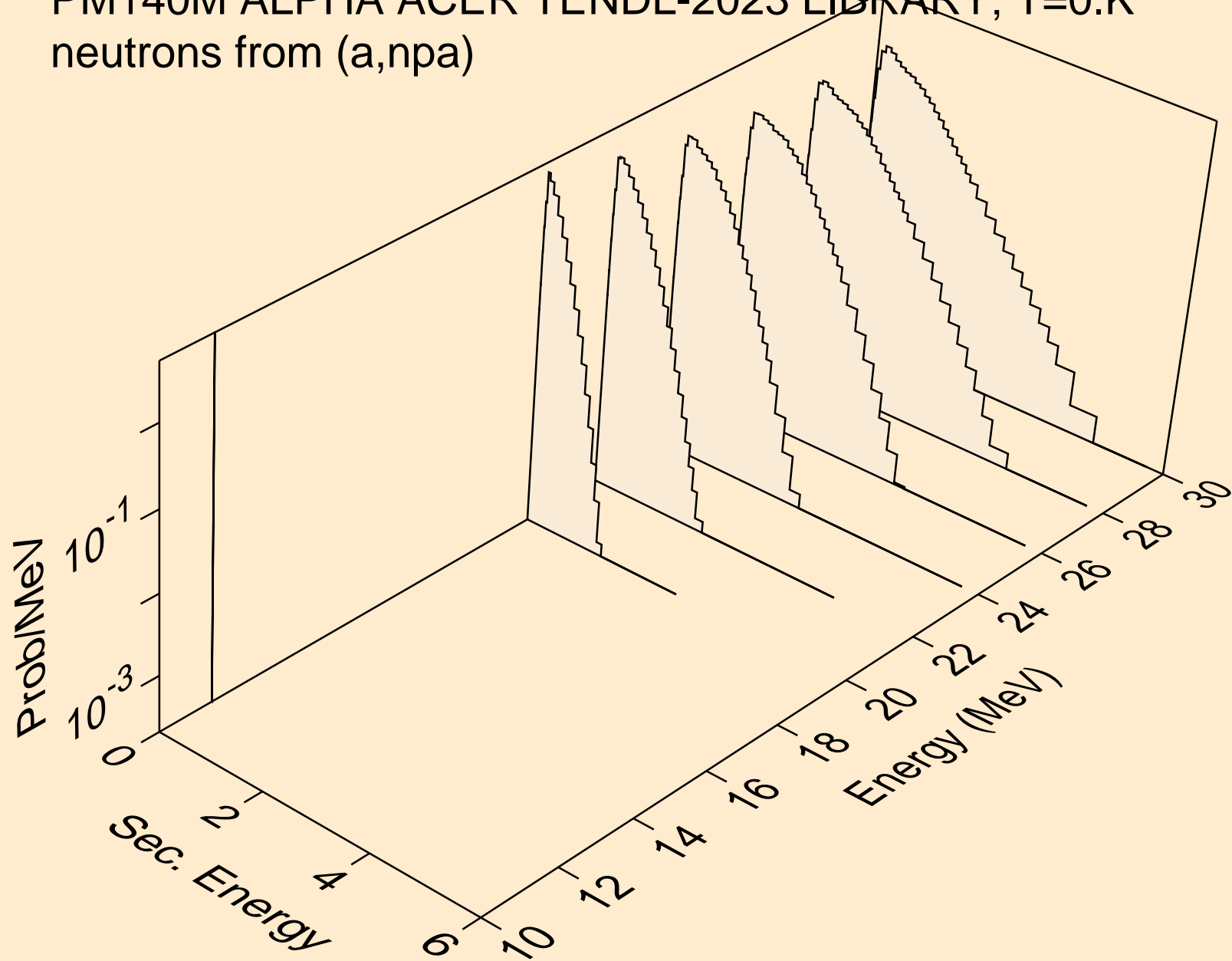
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neutrons from (a,2np)



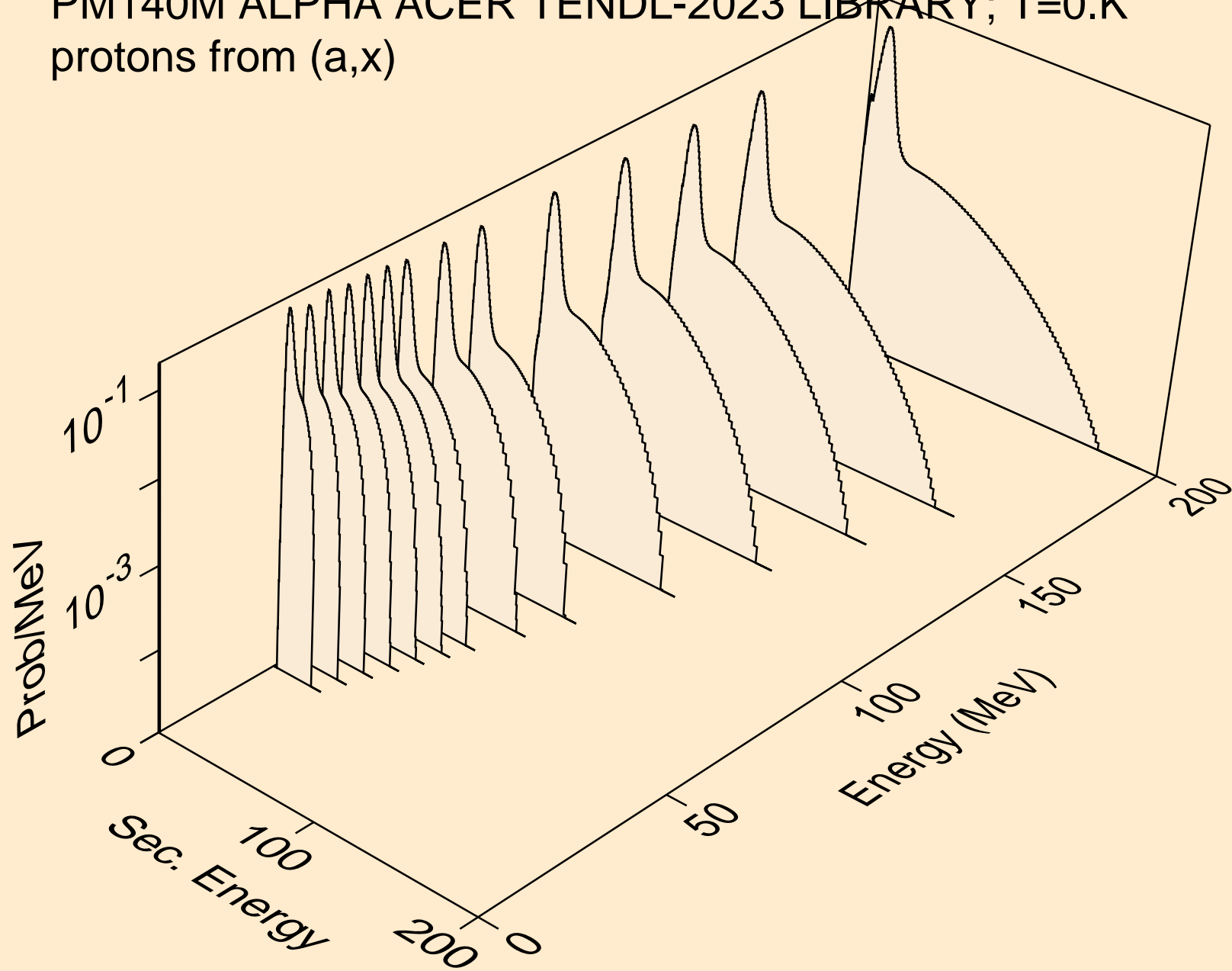
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neutrons from (a,n2p)



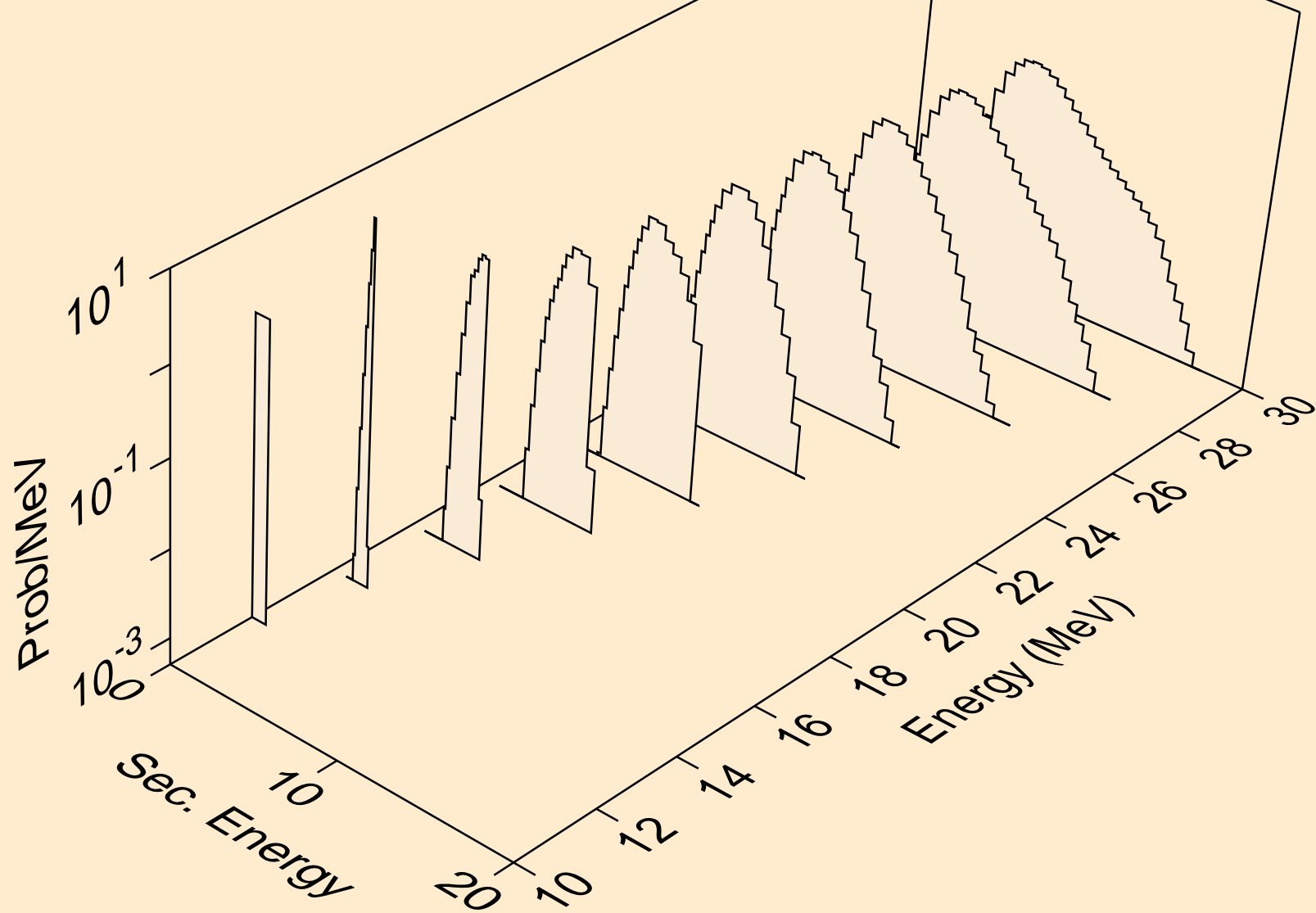
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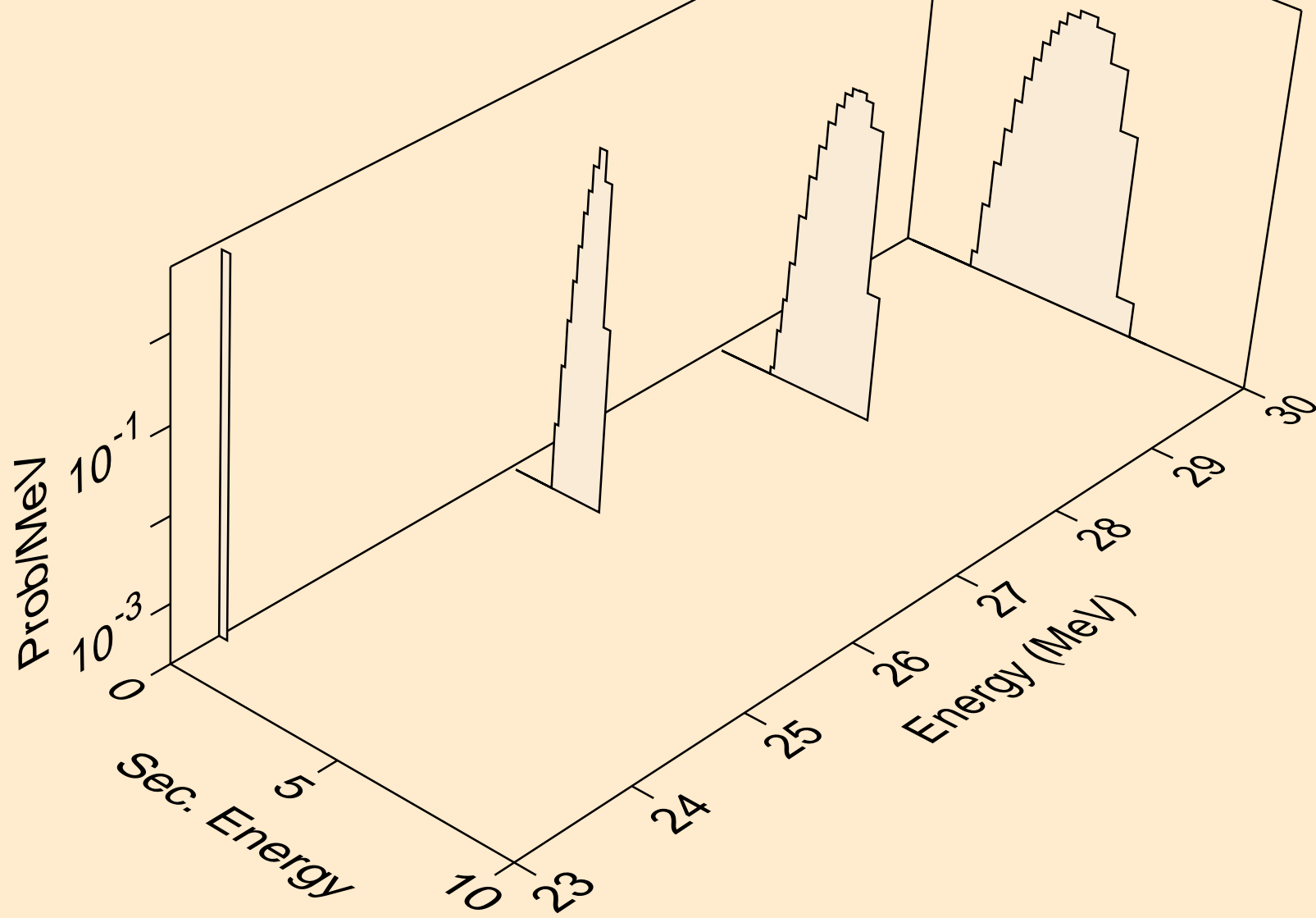
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protons from (a,x)



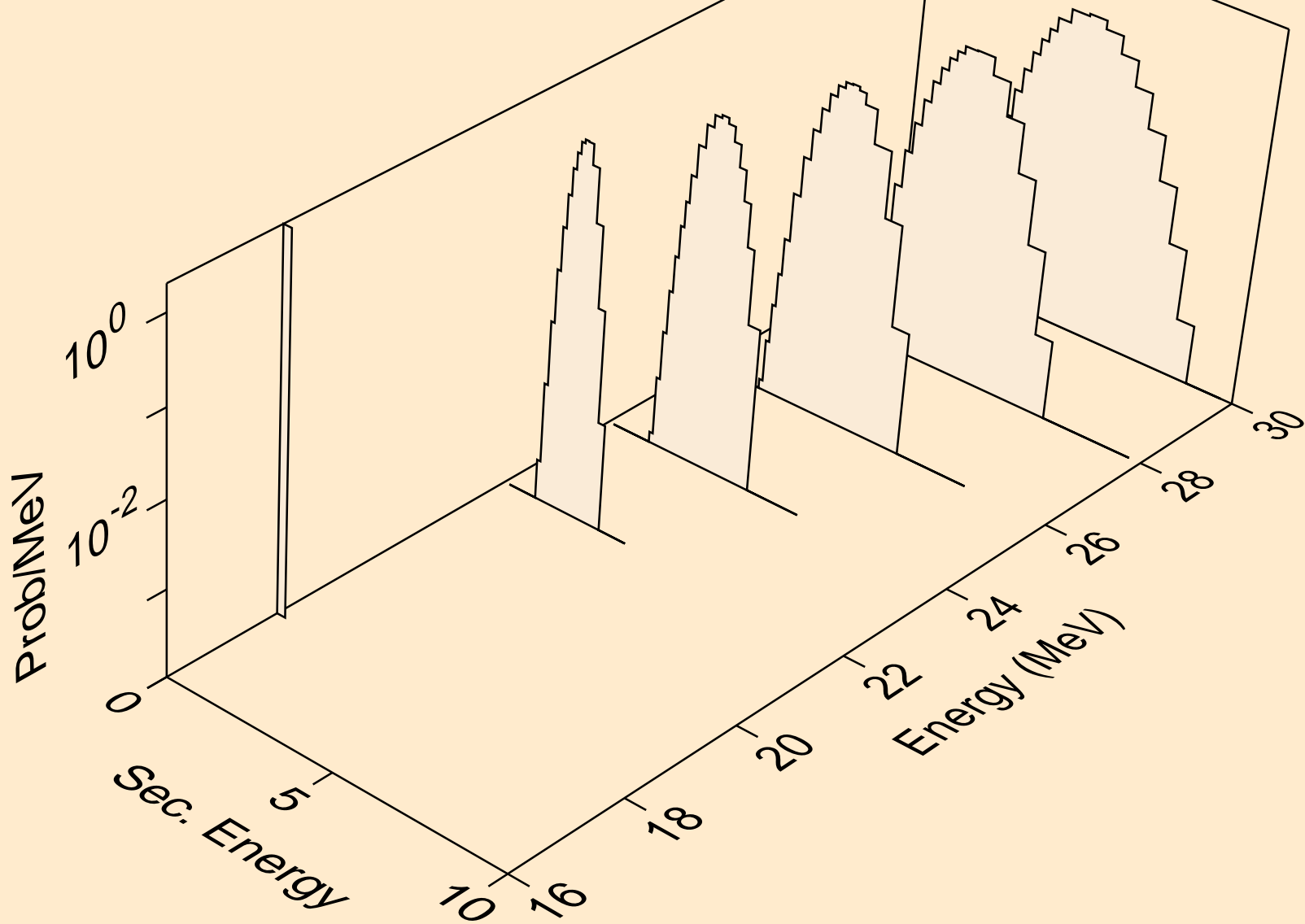
PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,n\*)p



PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,2np)

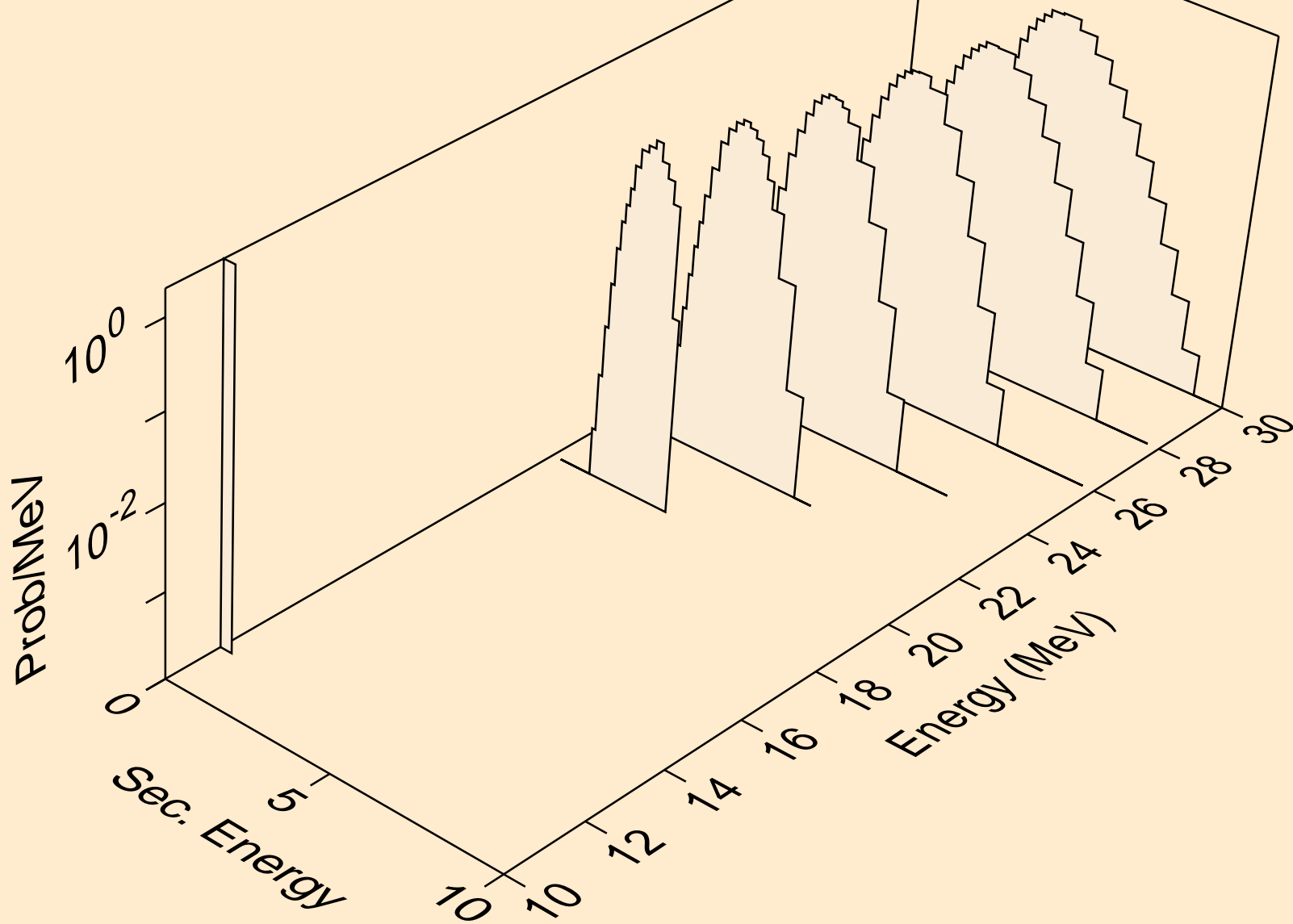


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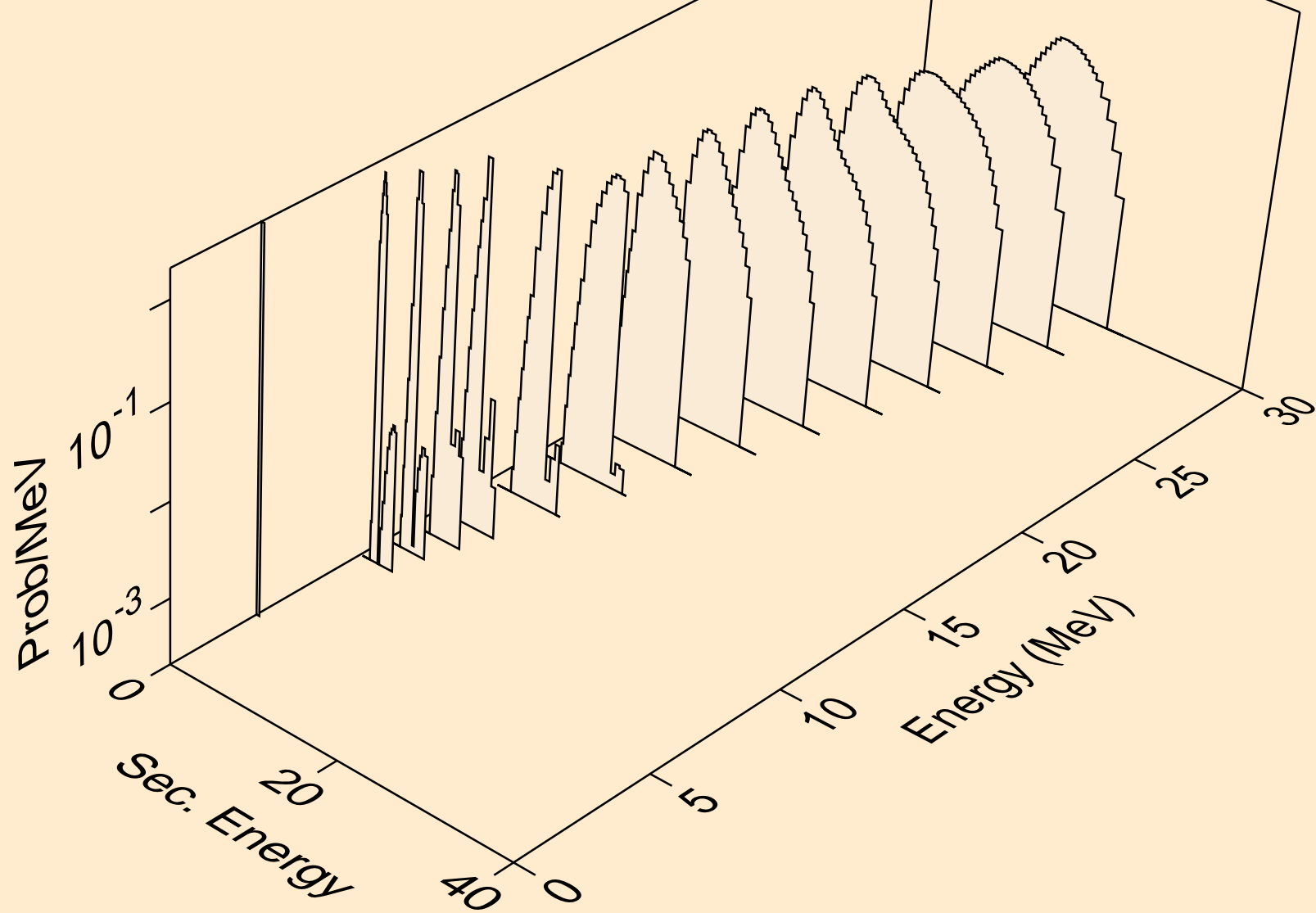




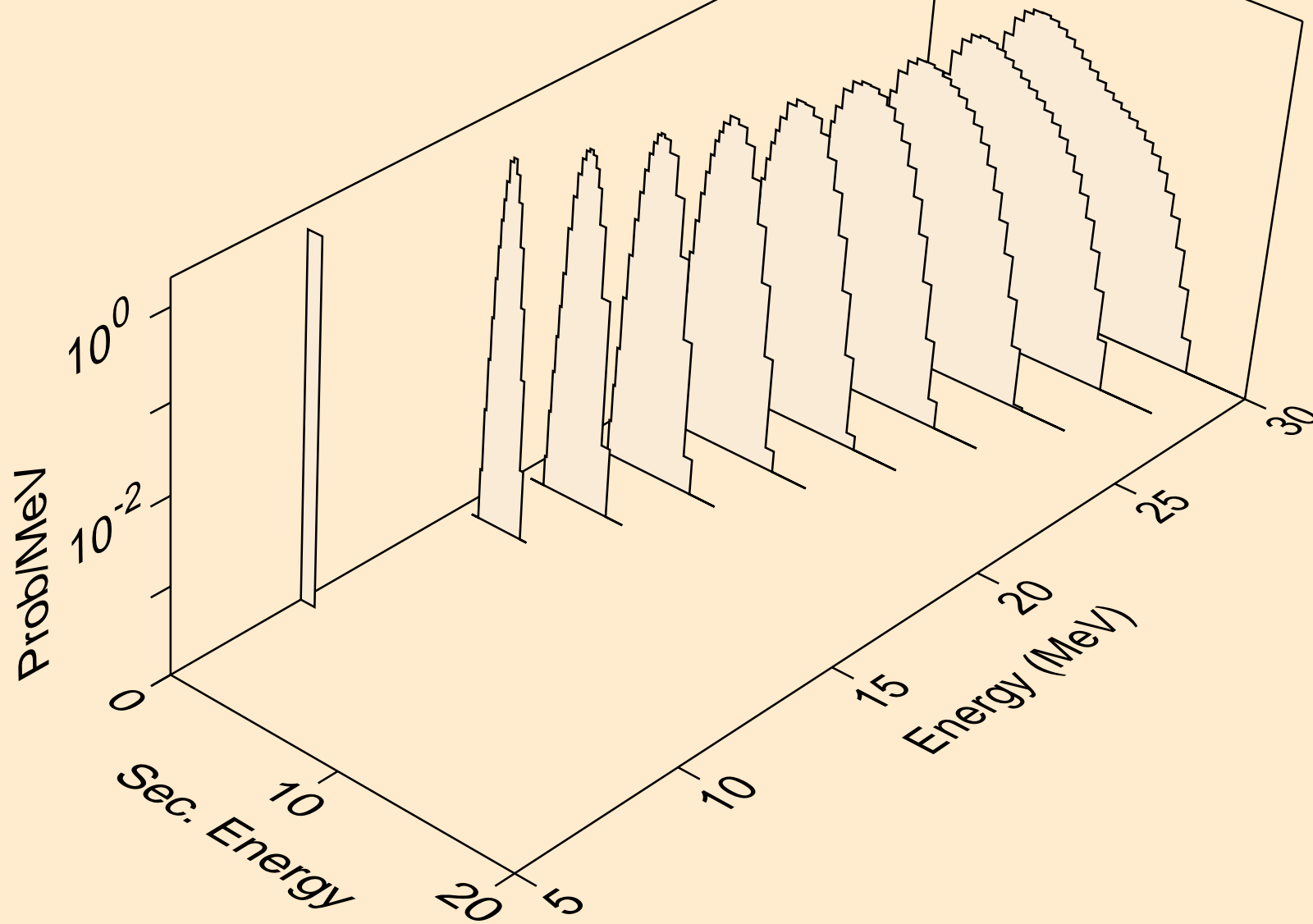
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protons from (a,npa)



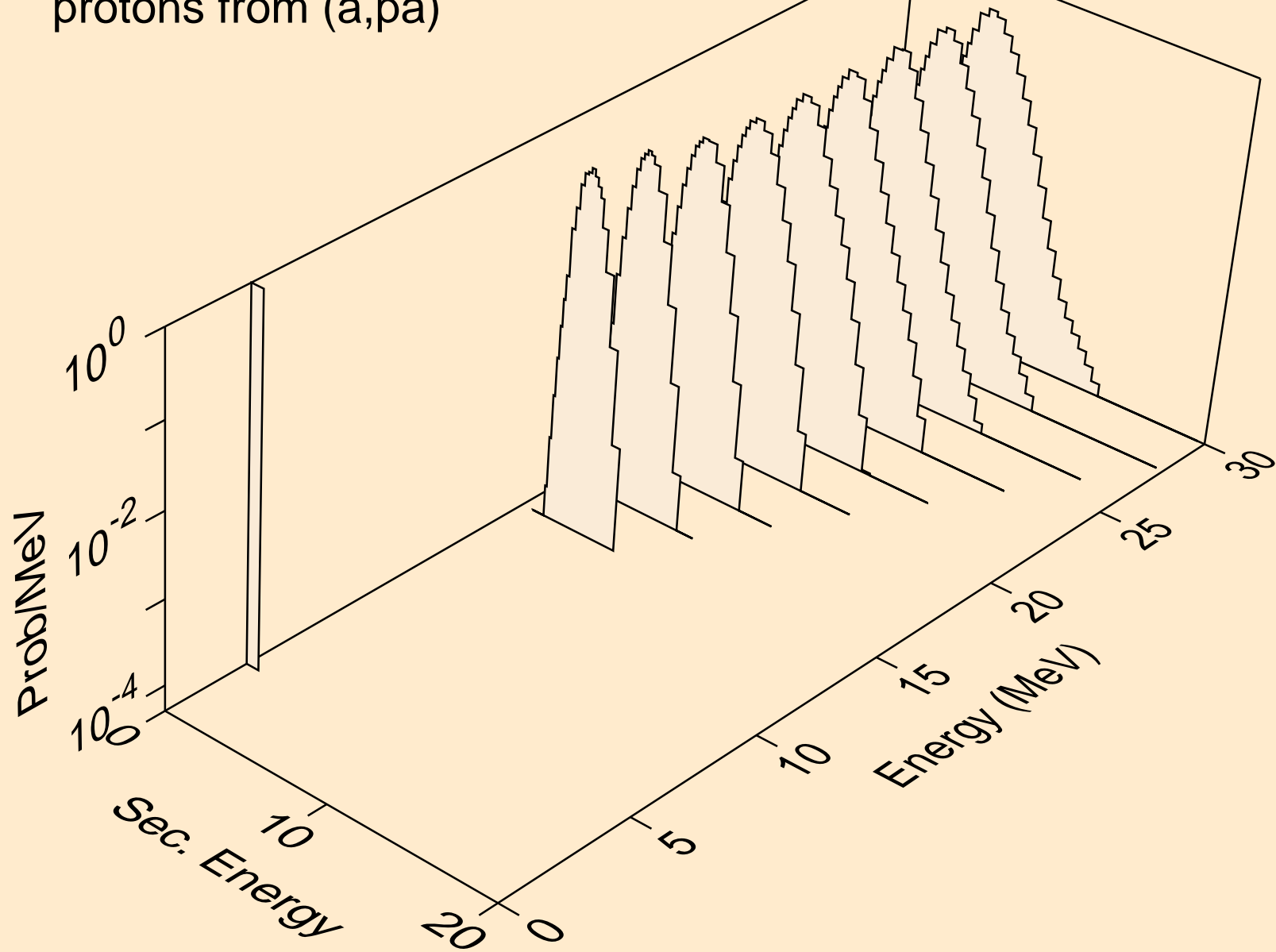
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protons from (a,p)



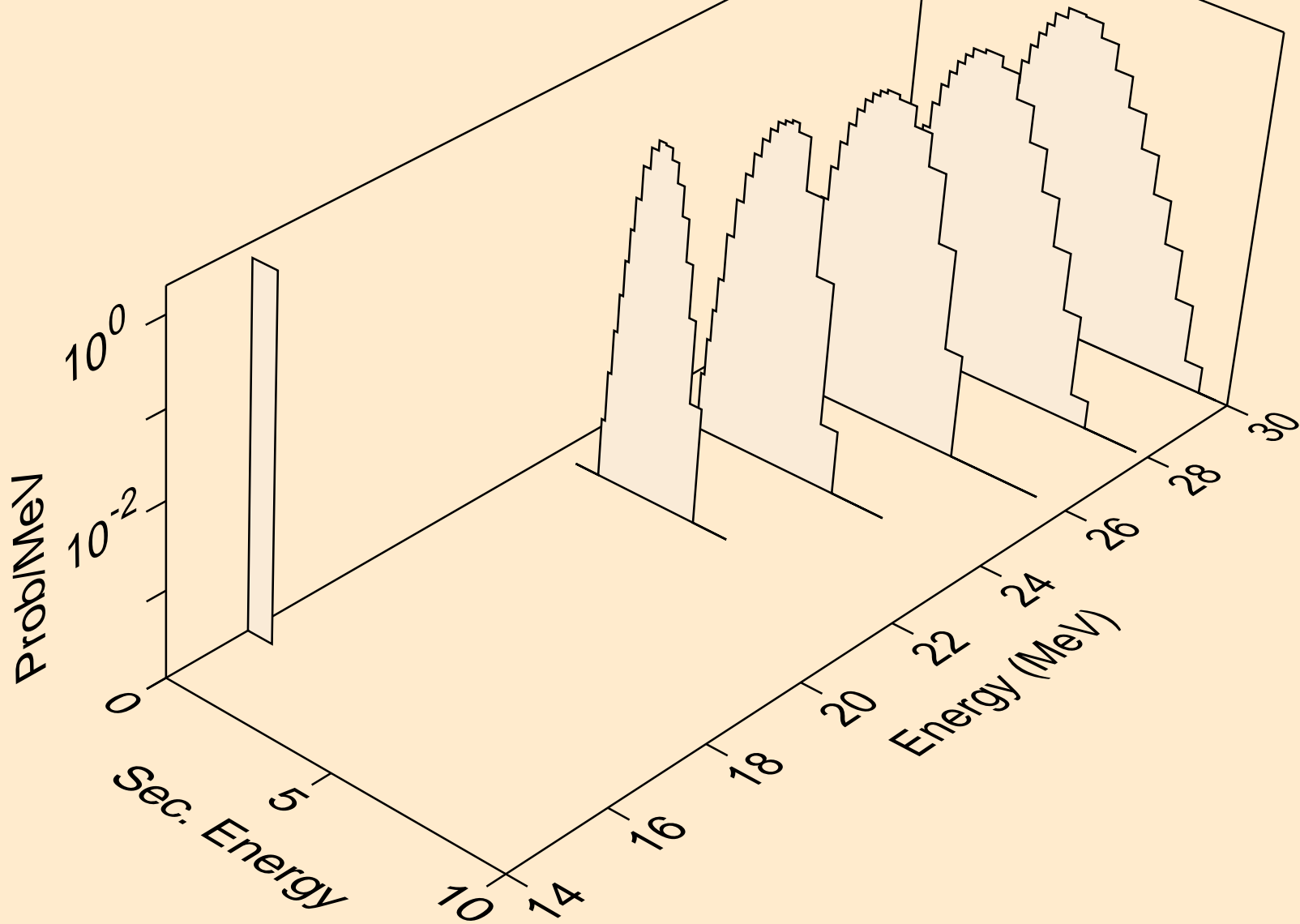
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protons from (a,2p)



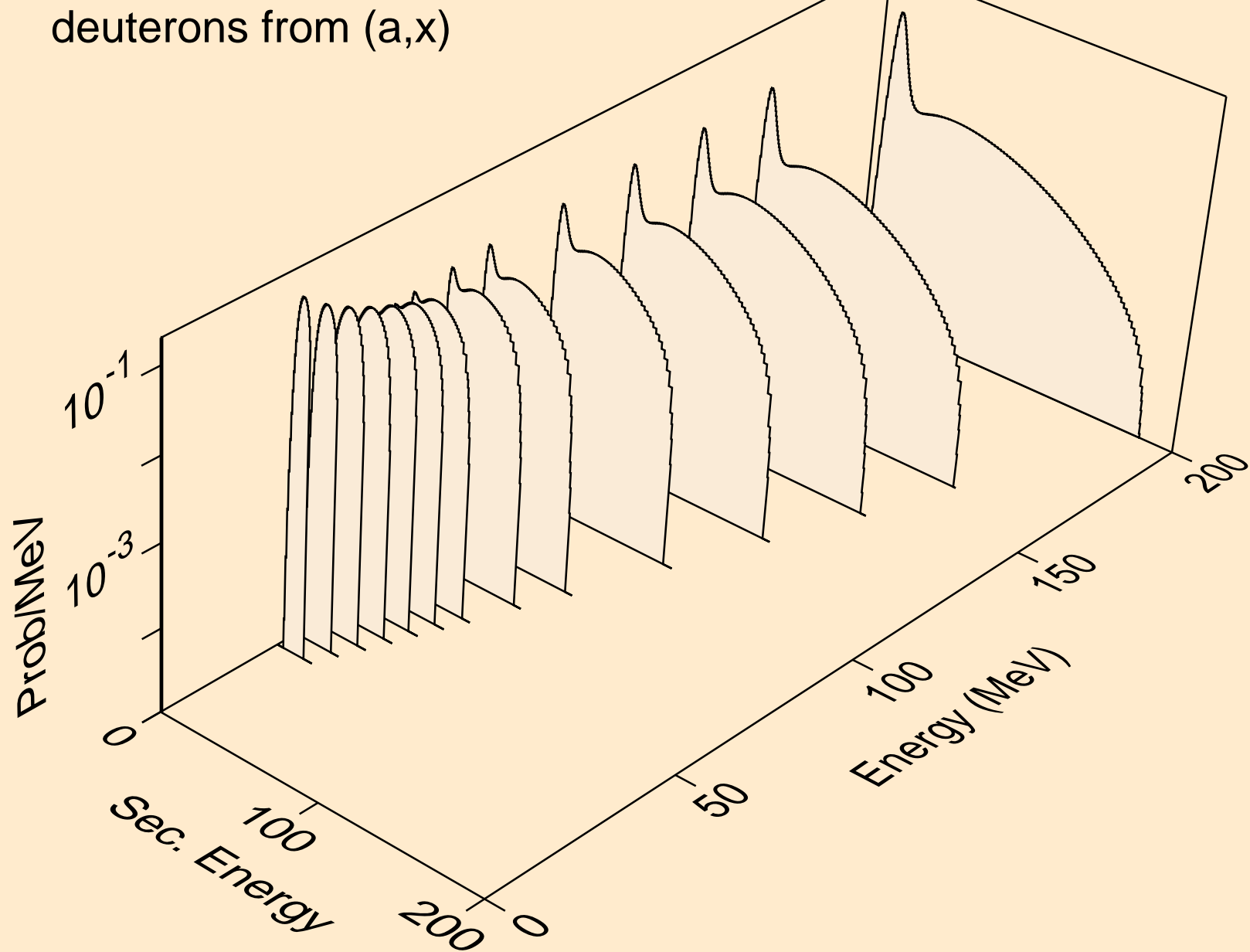
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protons from (a,pa)



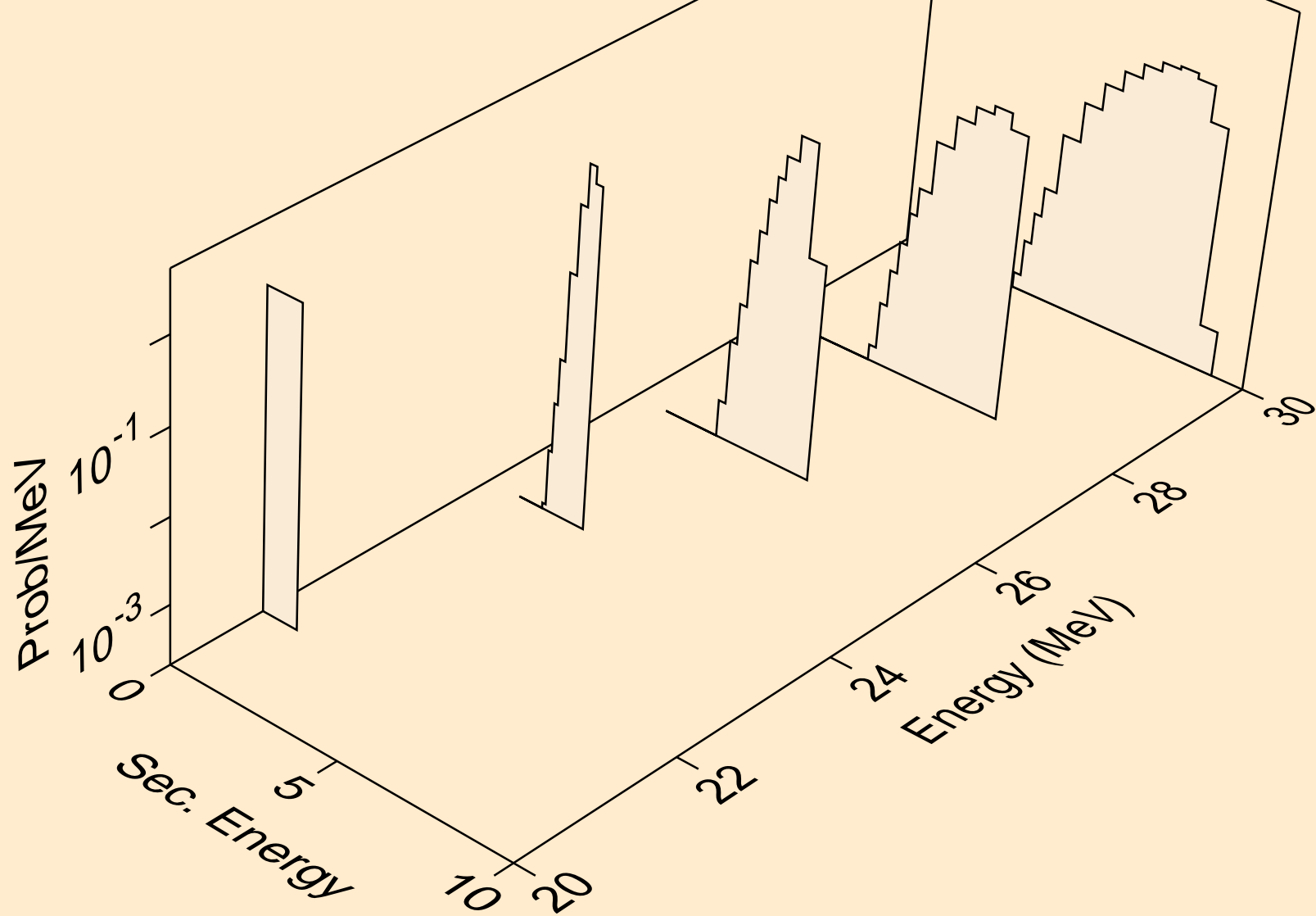
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protons from (a,pd)



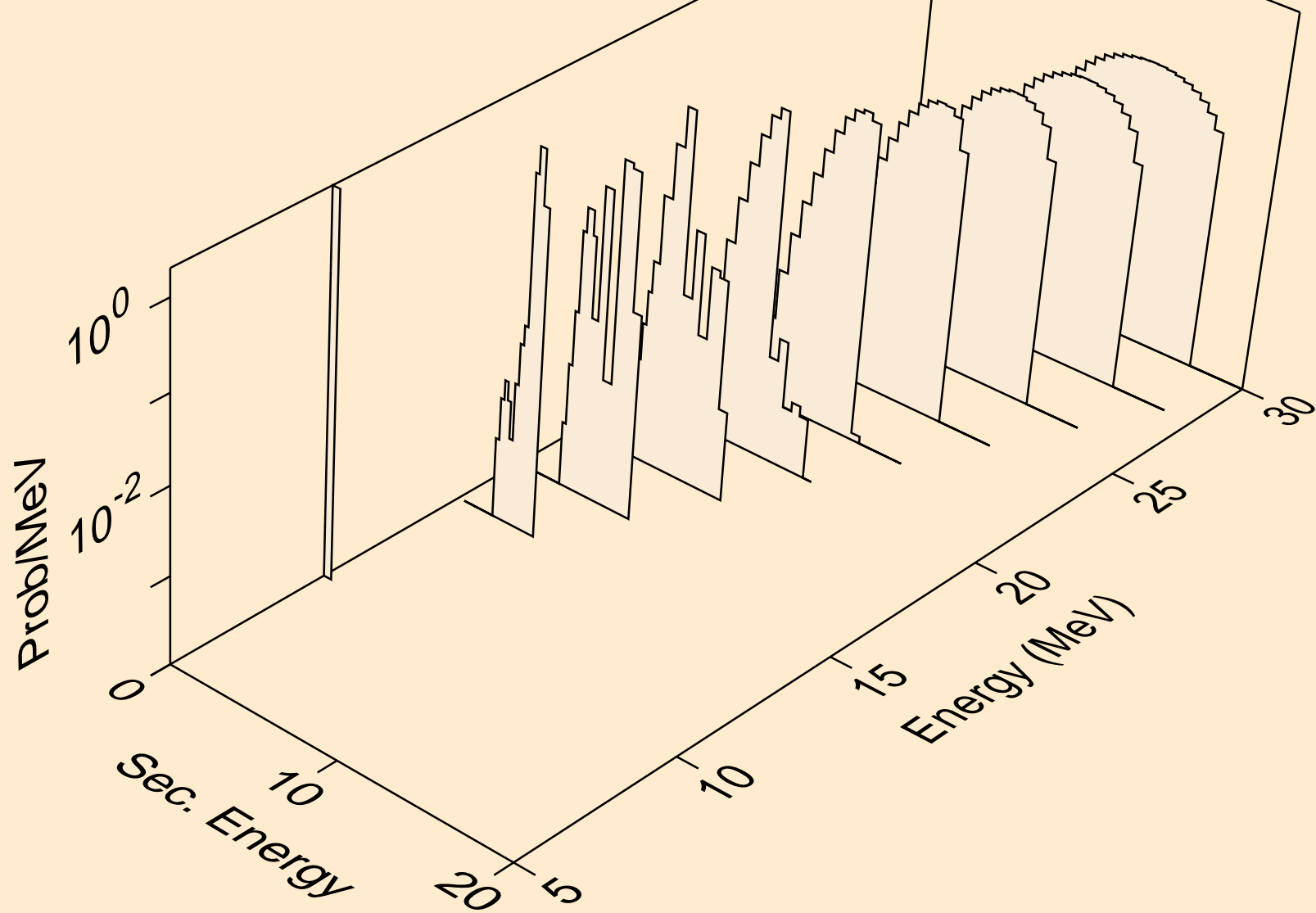
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deuterons from (a,x)



PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,n\*)d

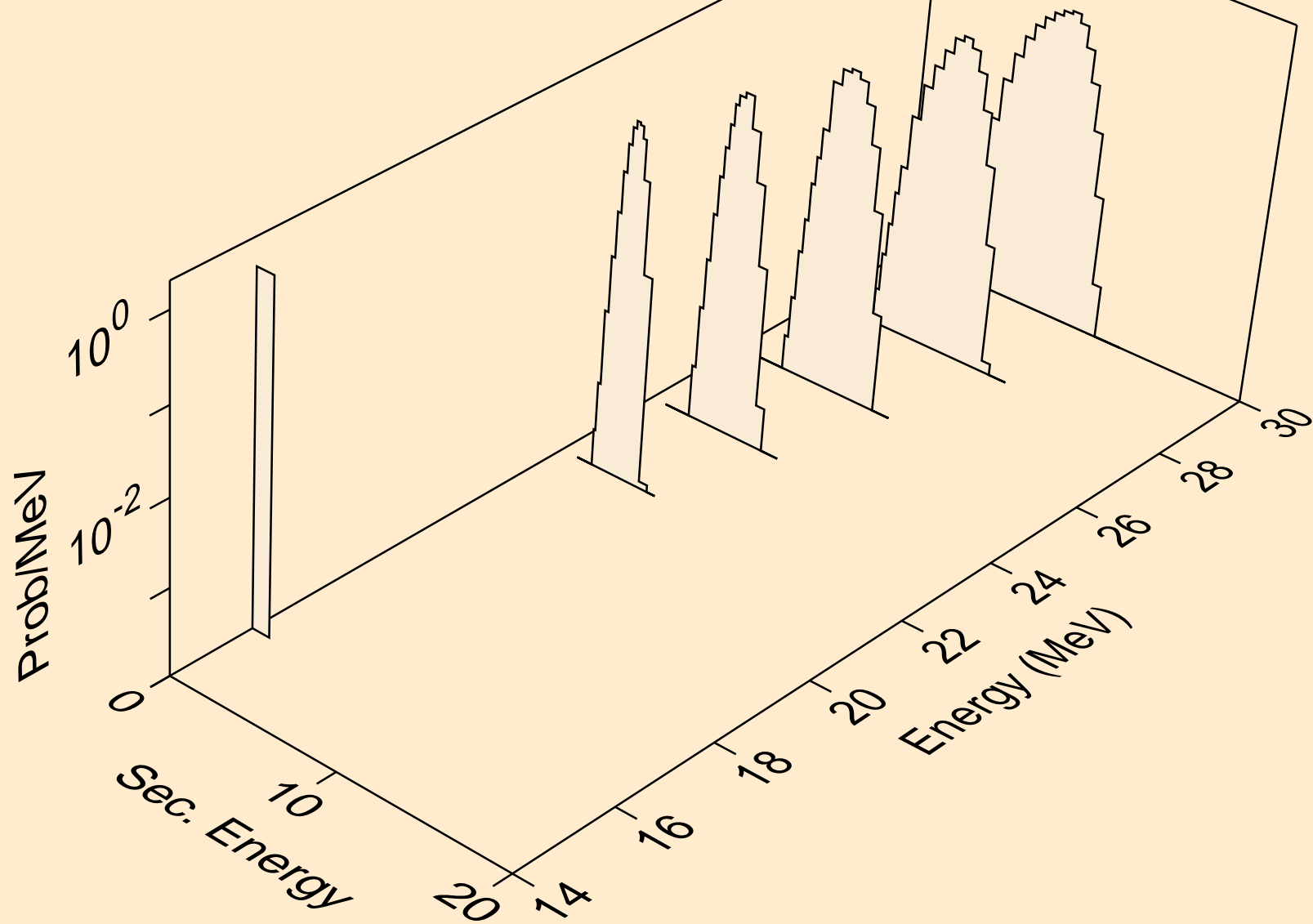


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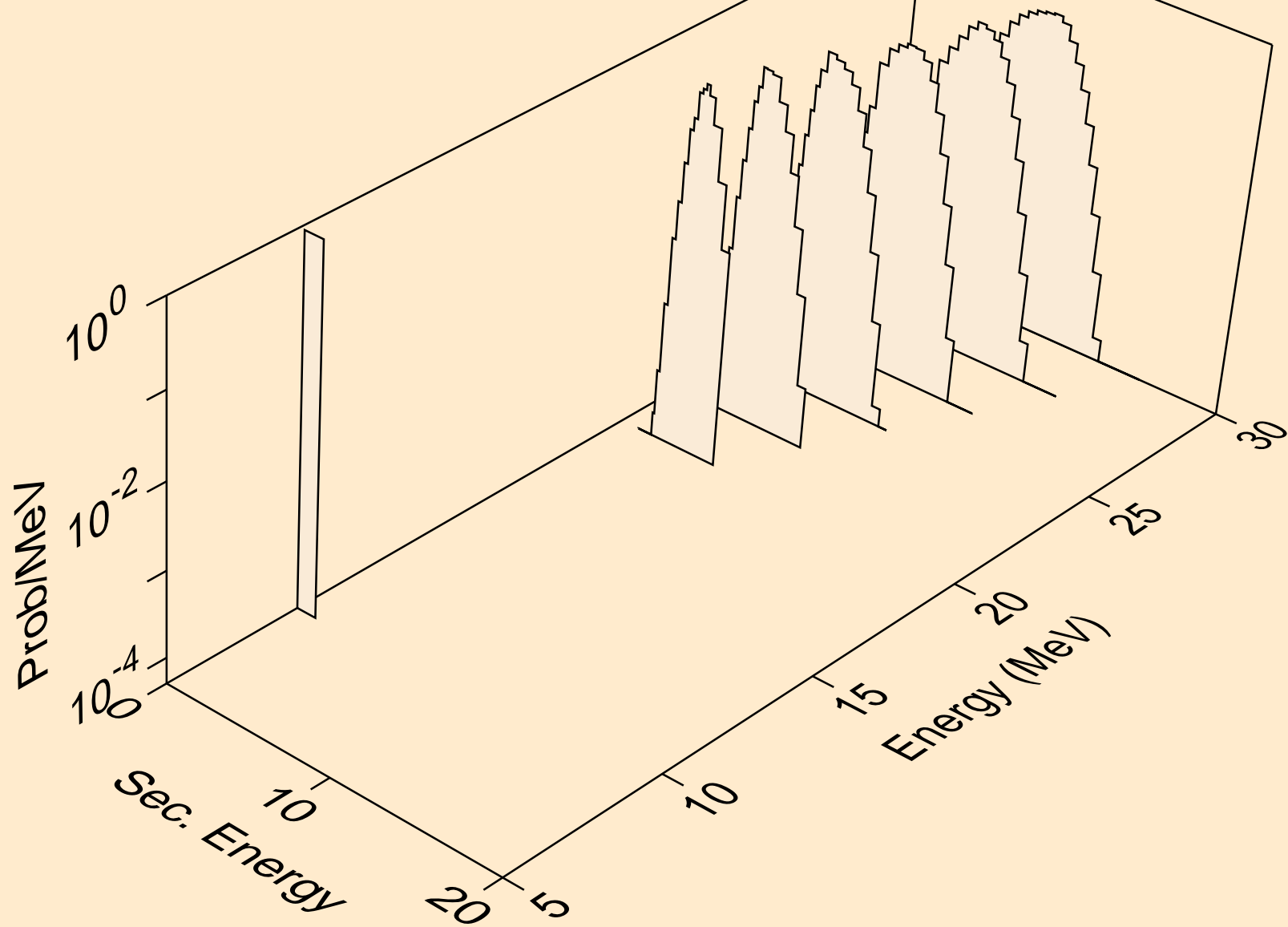




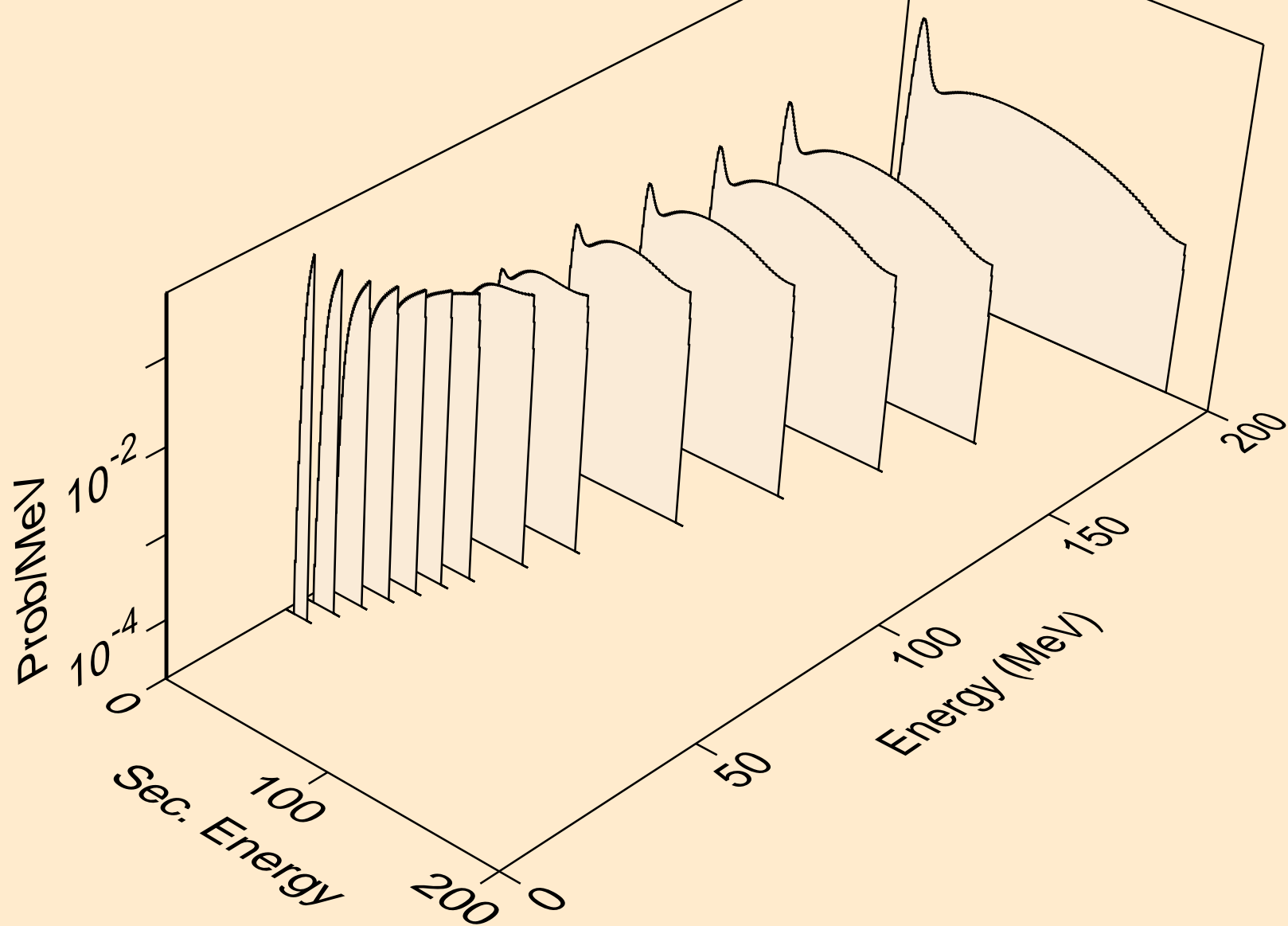
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deuterons from (a,pd)



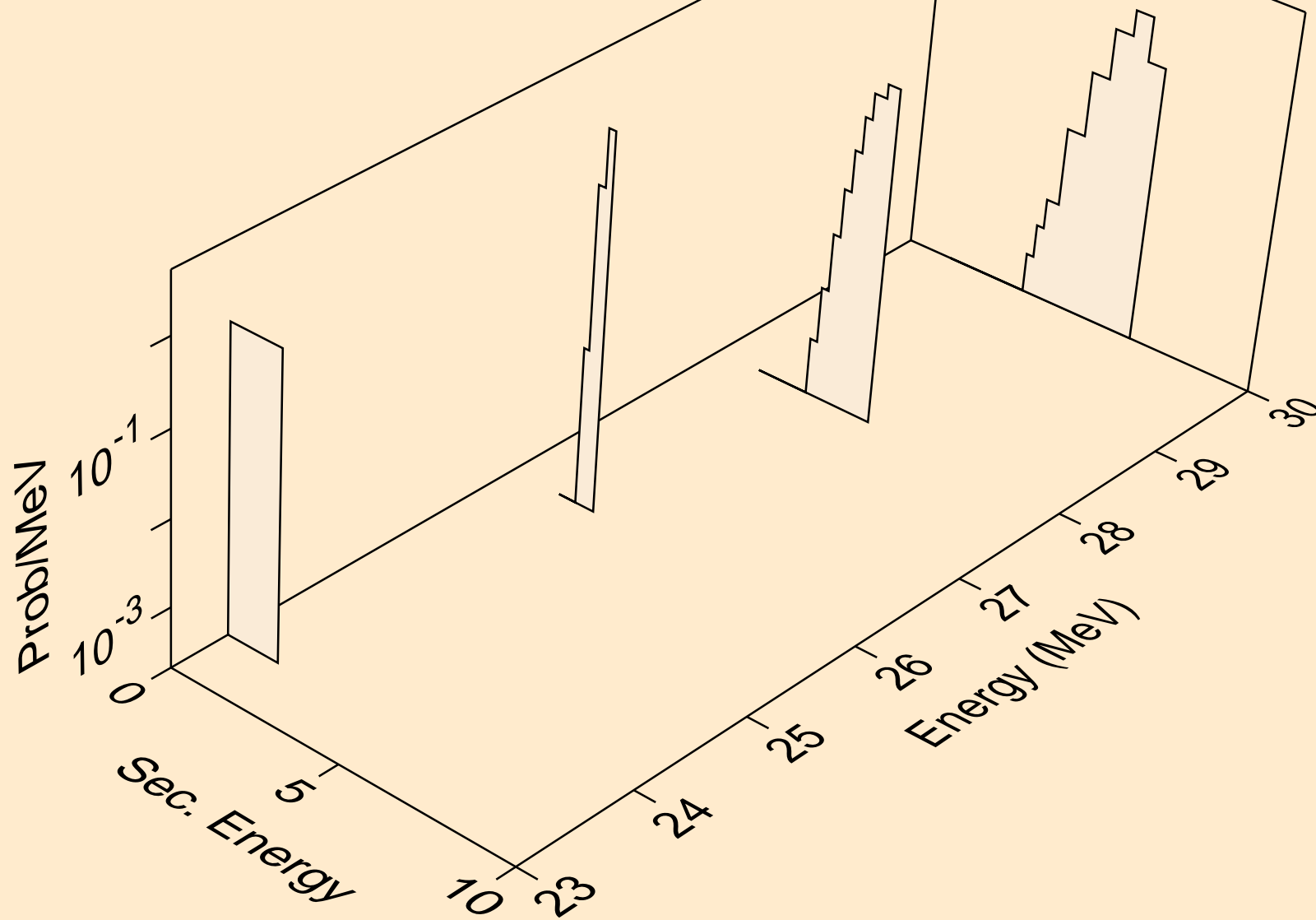
PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,da)



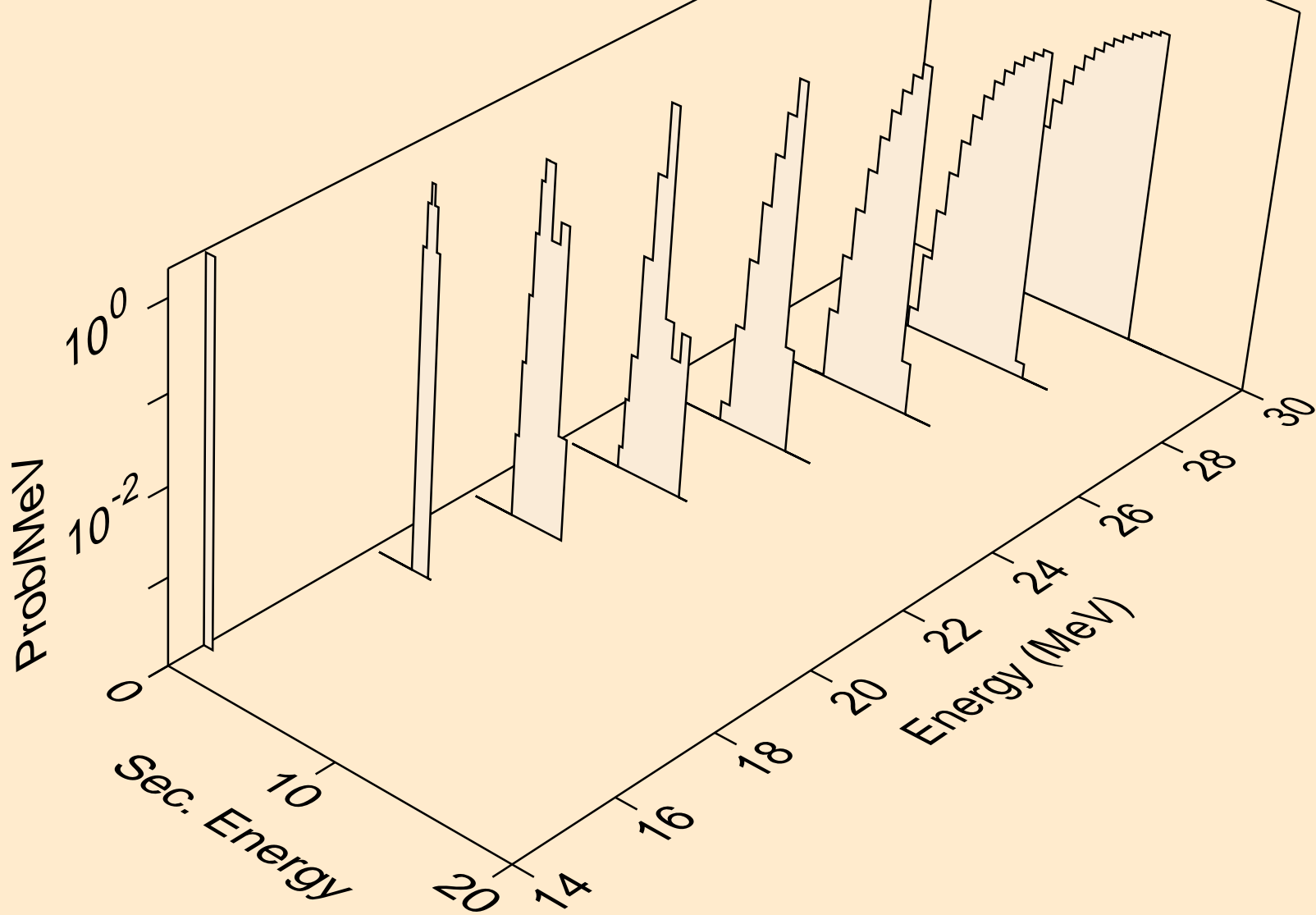
PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,x)



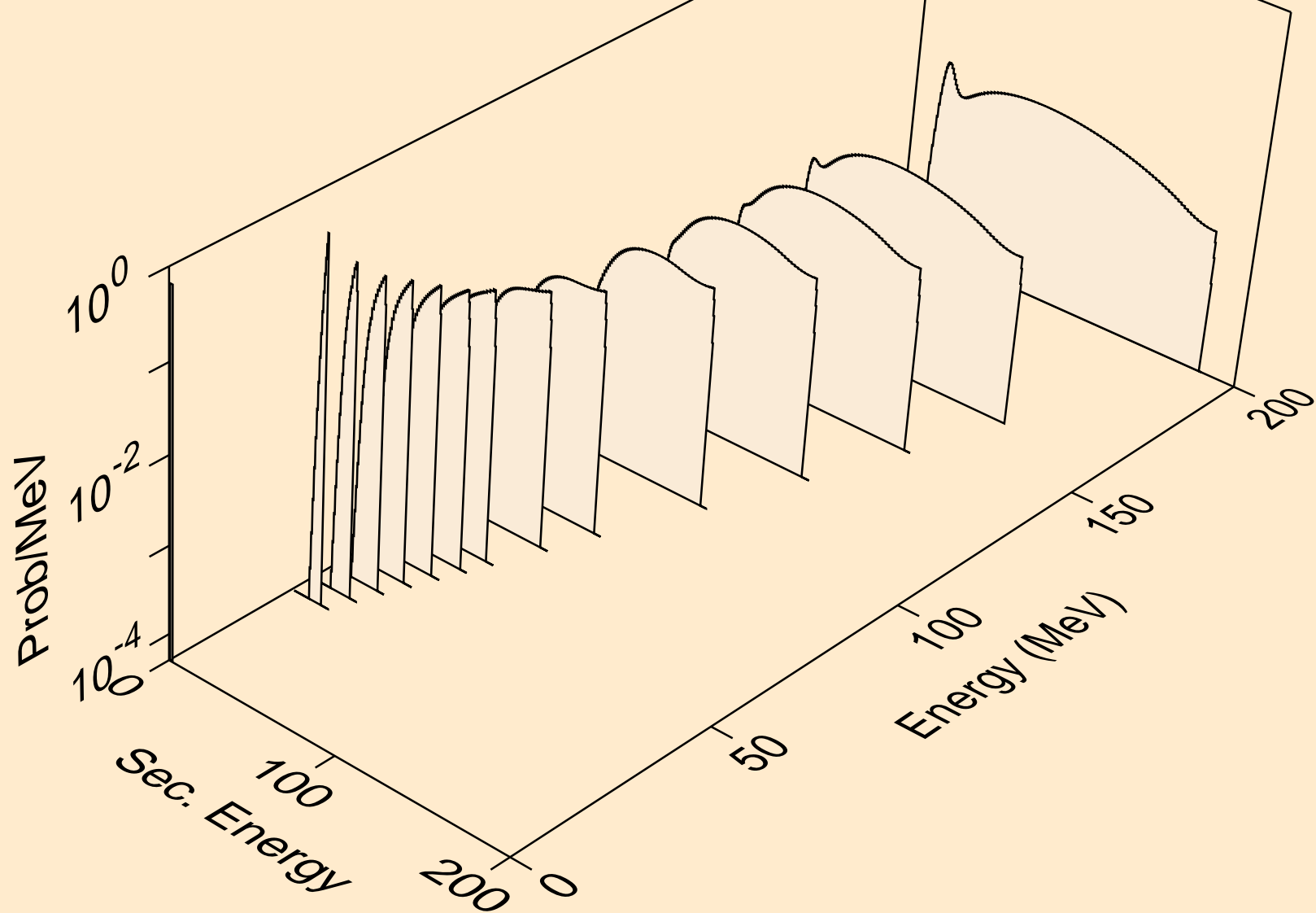
PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,n\*)t



PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,t)



PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,x)



PM140M ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,he3)

