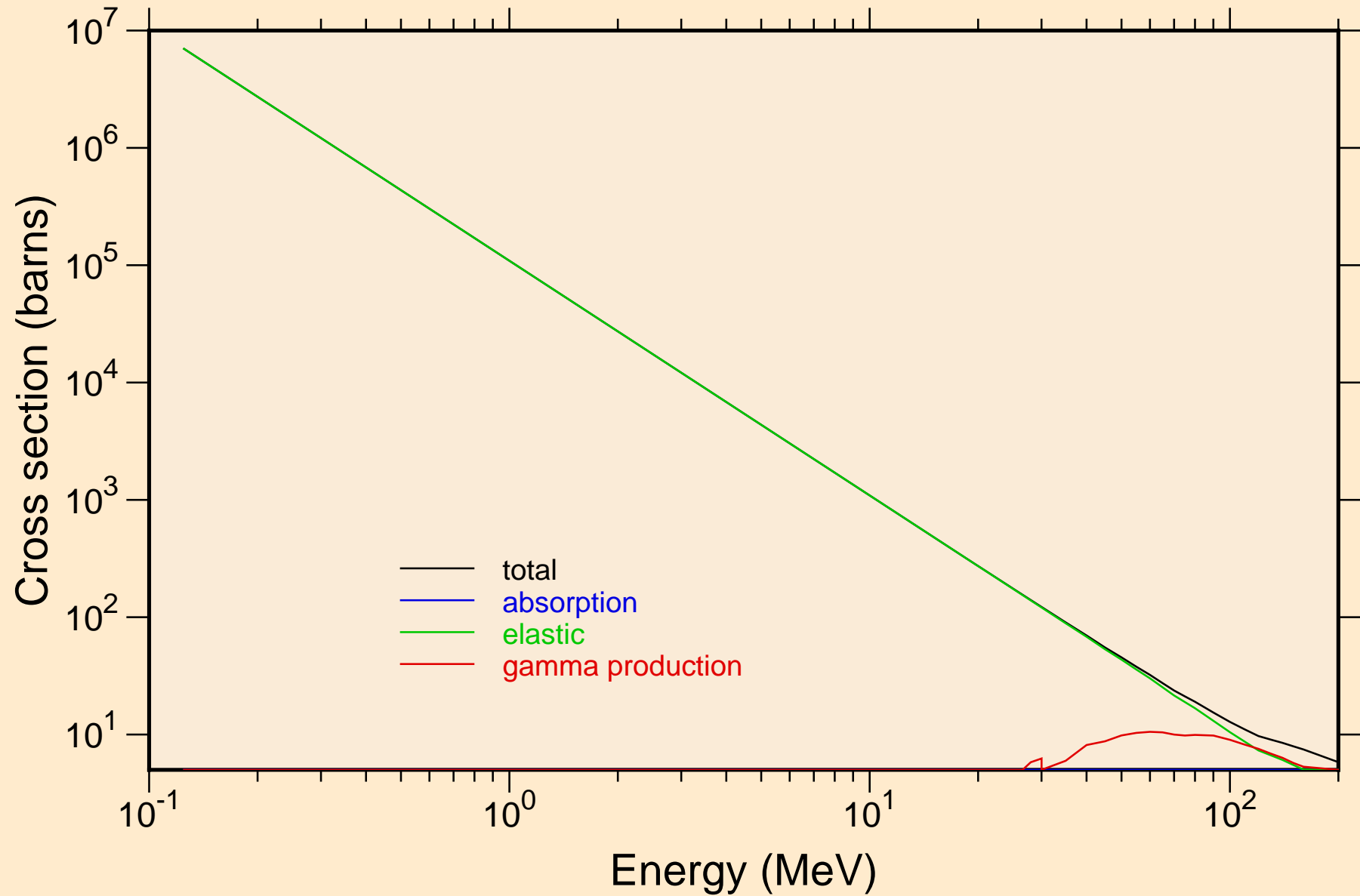


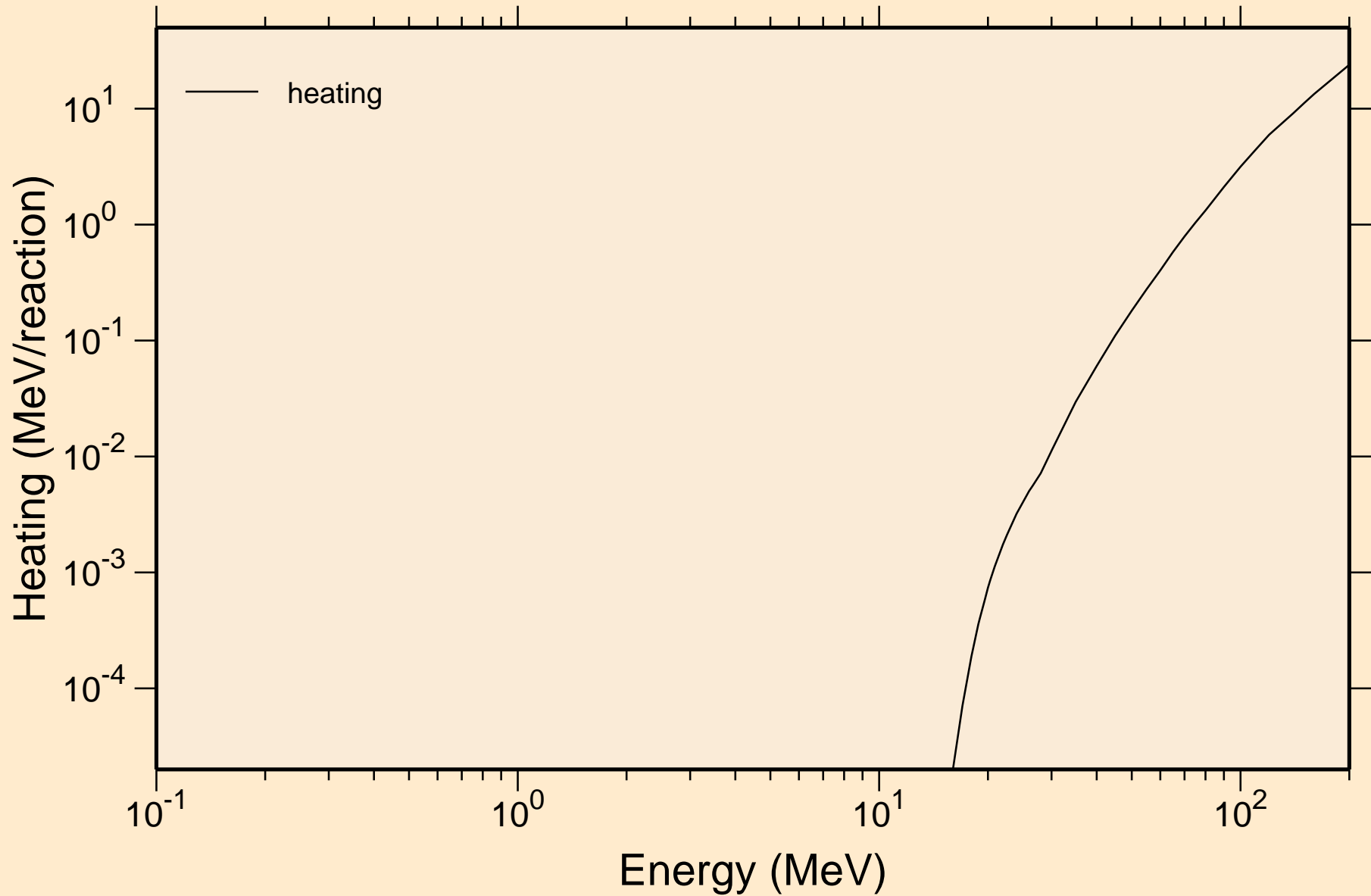
# TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



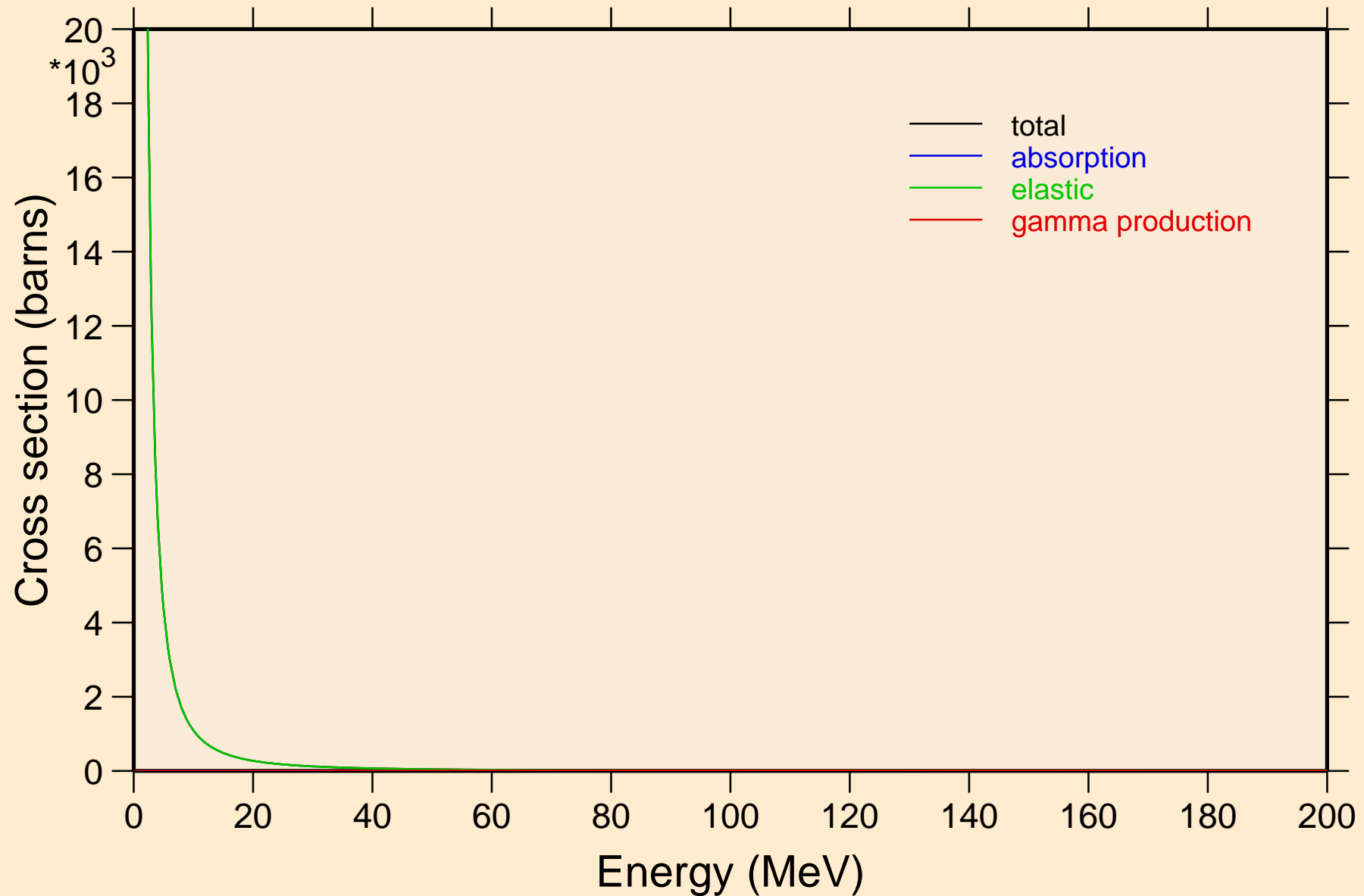
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

Heating



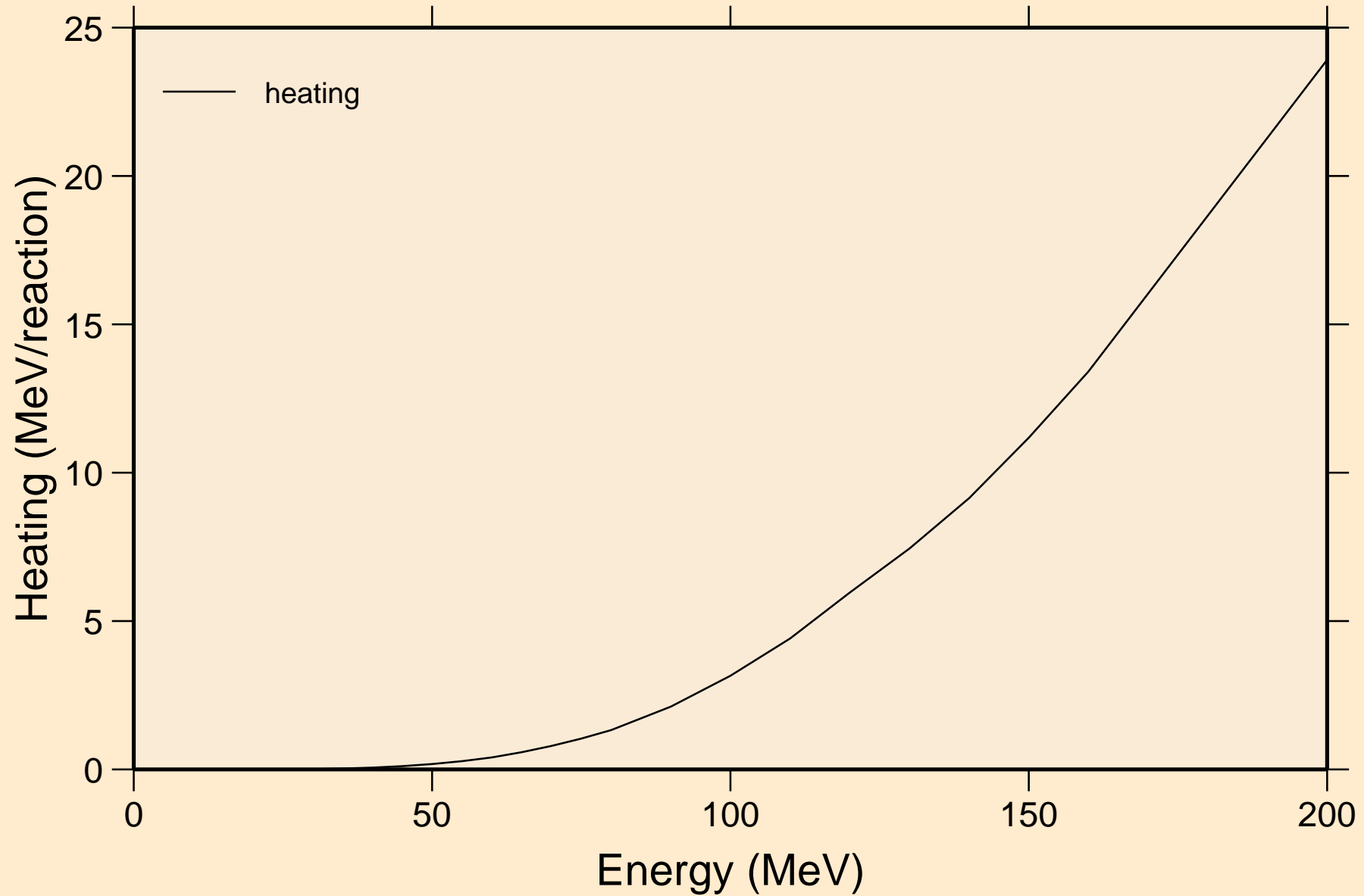
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## Principal cross sections

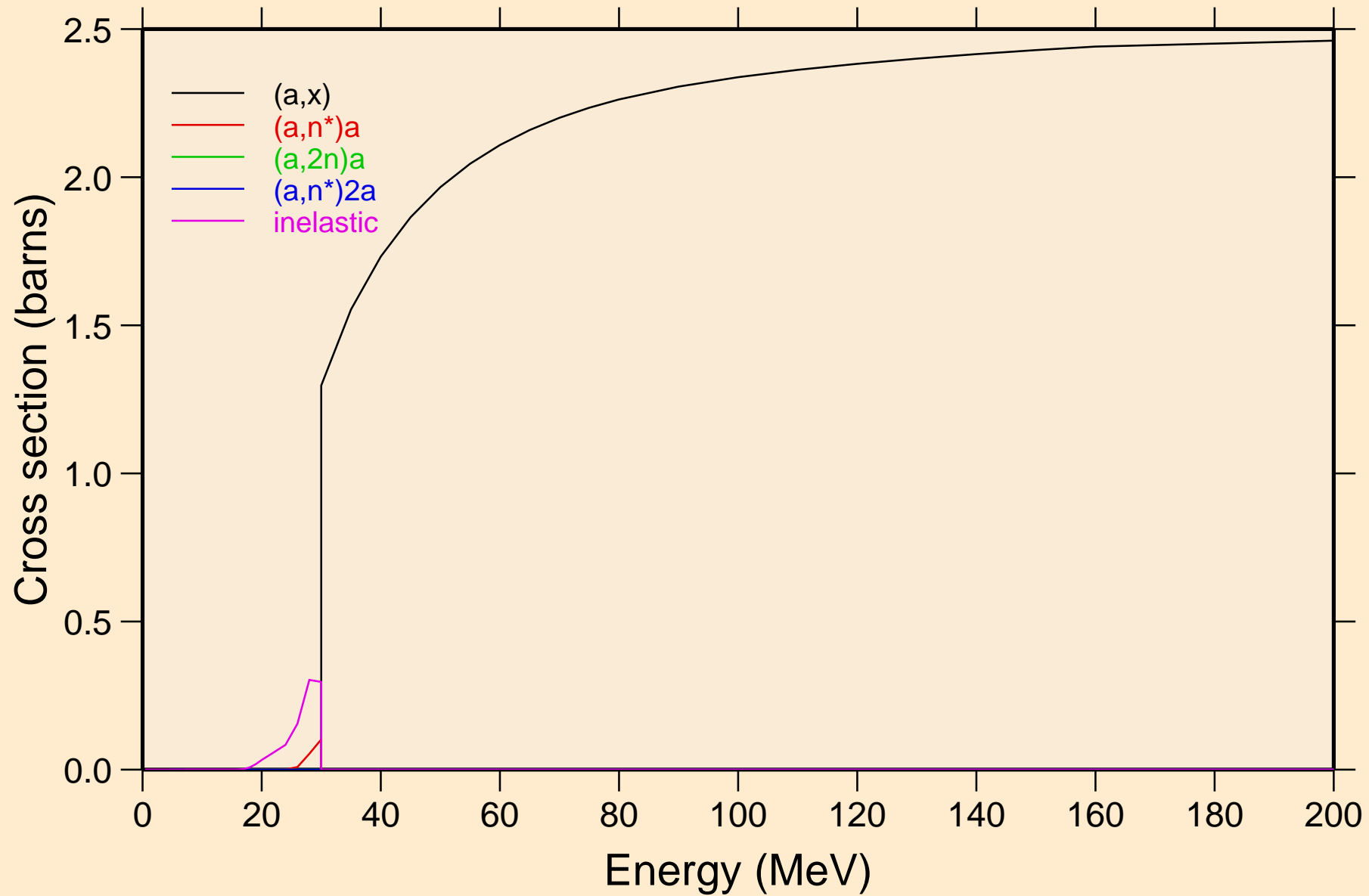


TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

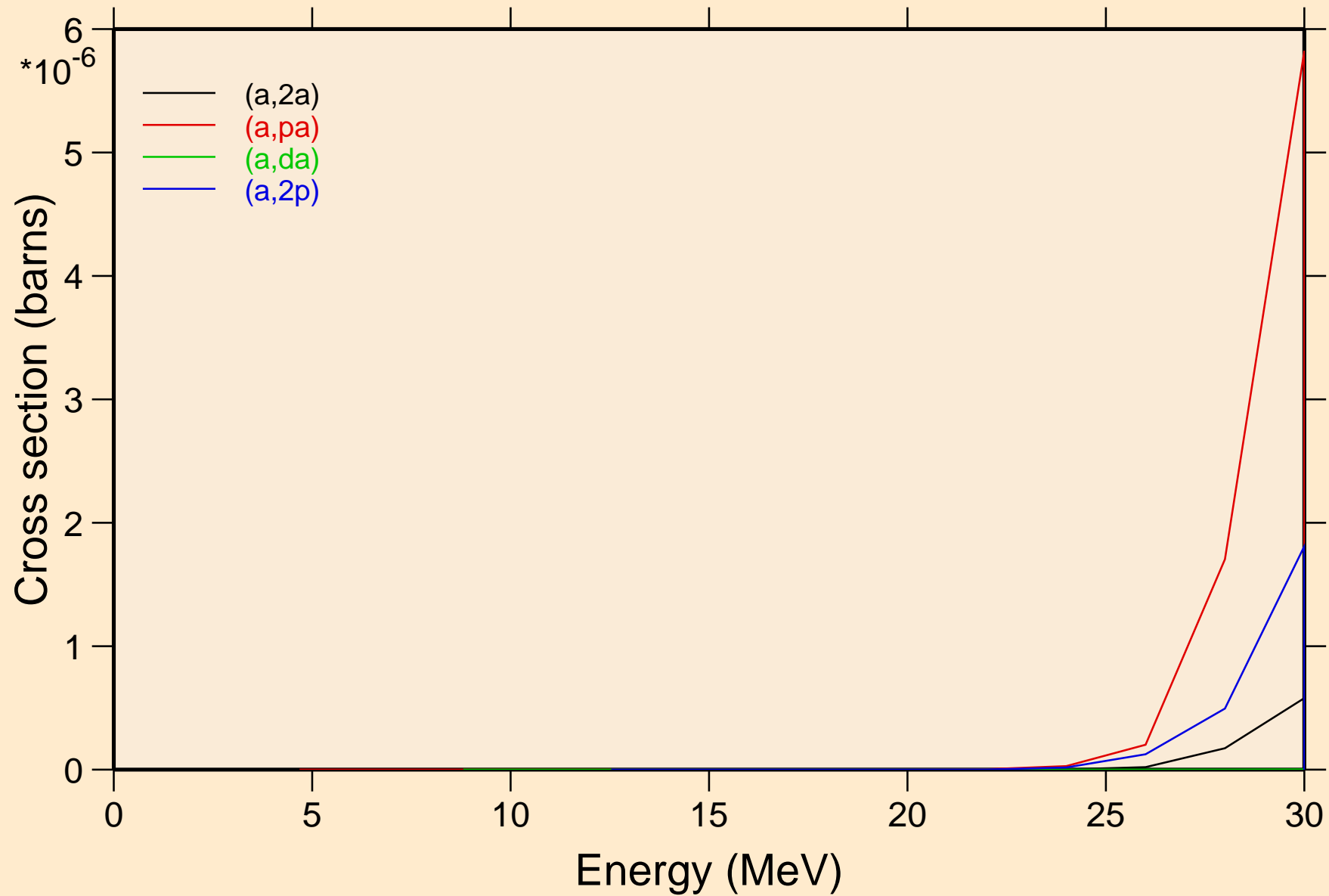
Heating



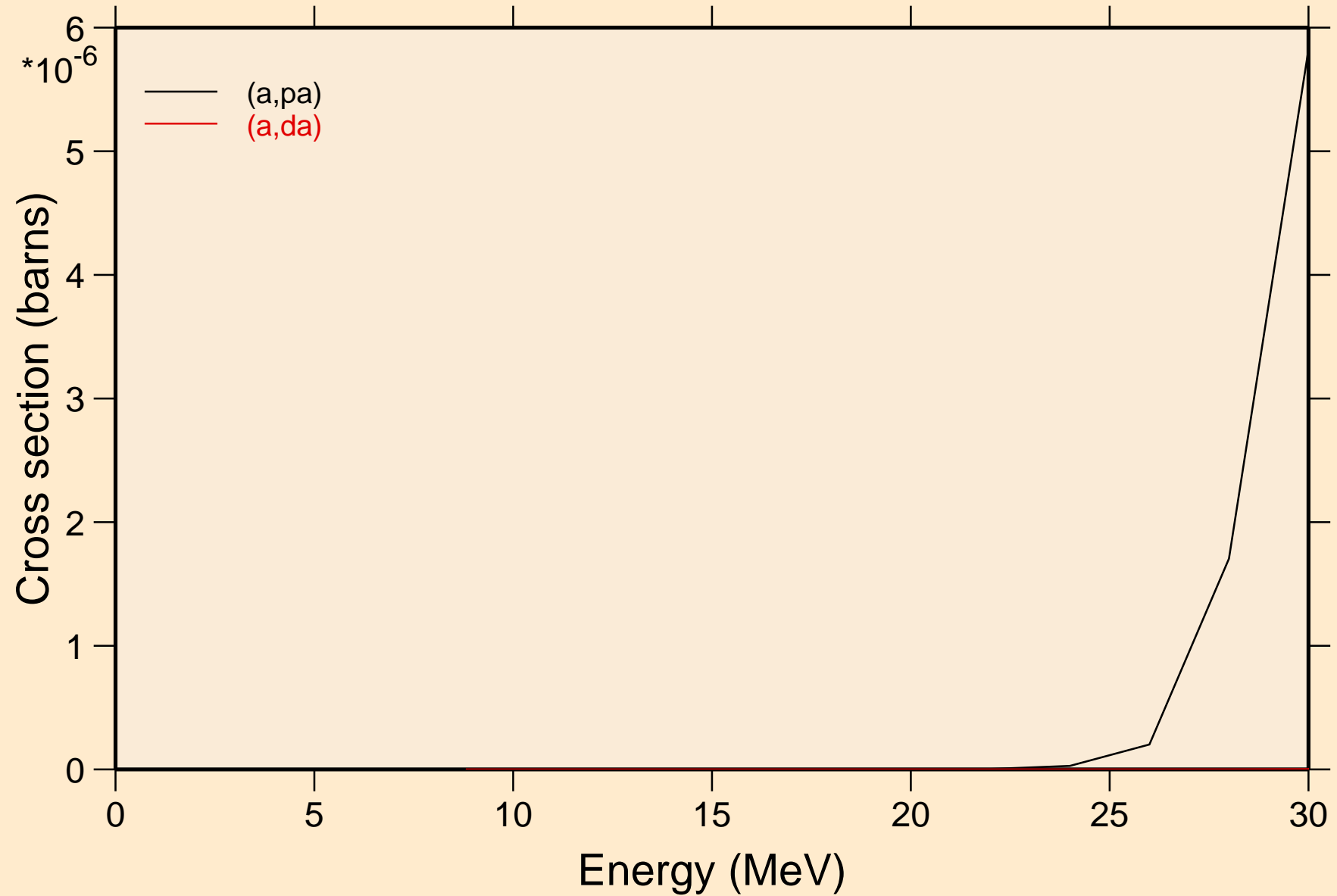
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



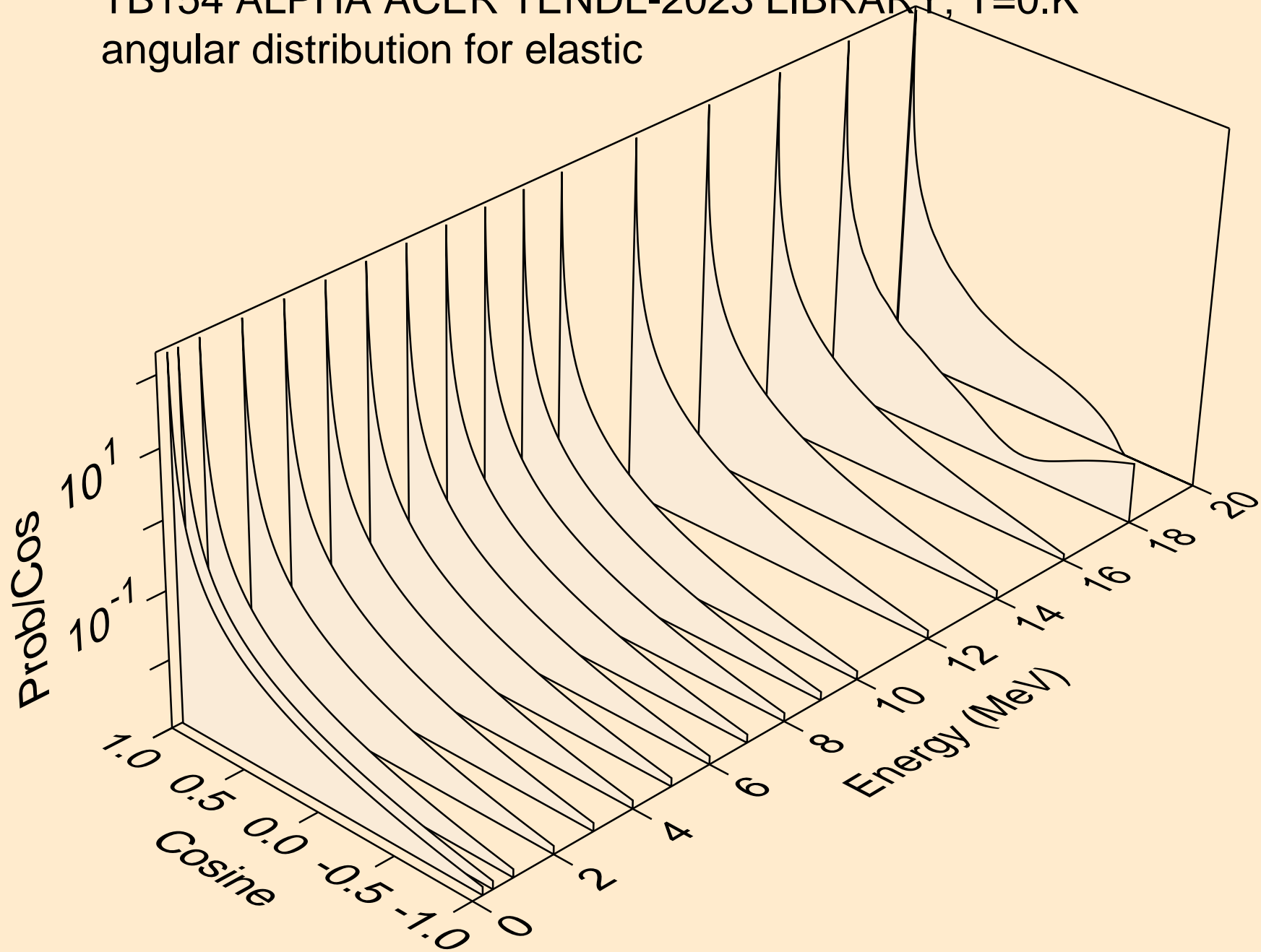
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

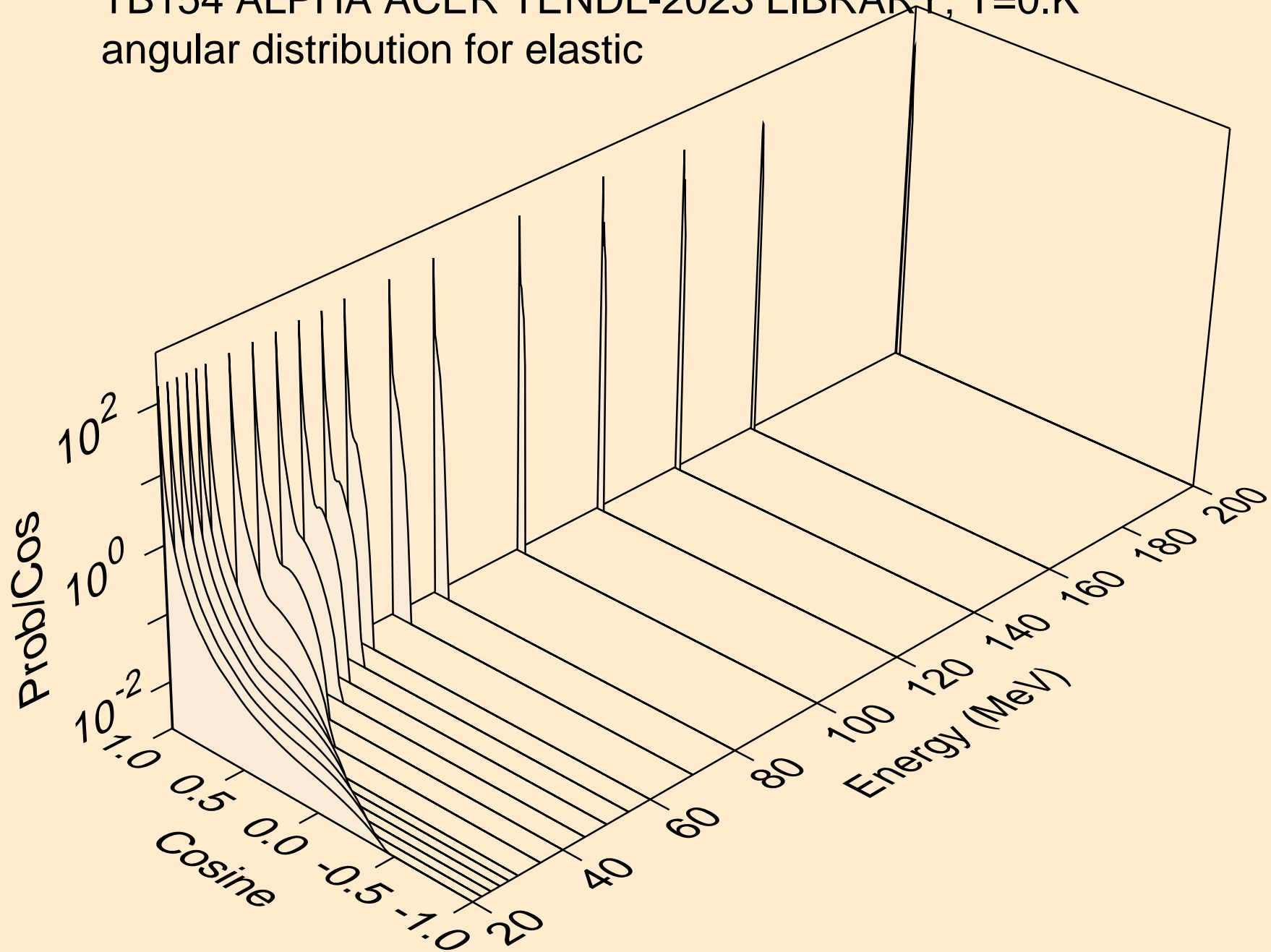


TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

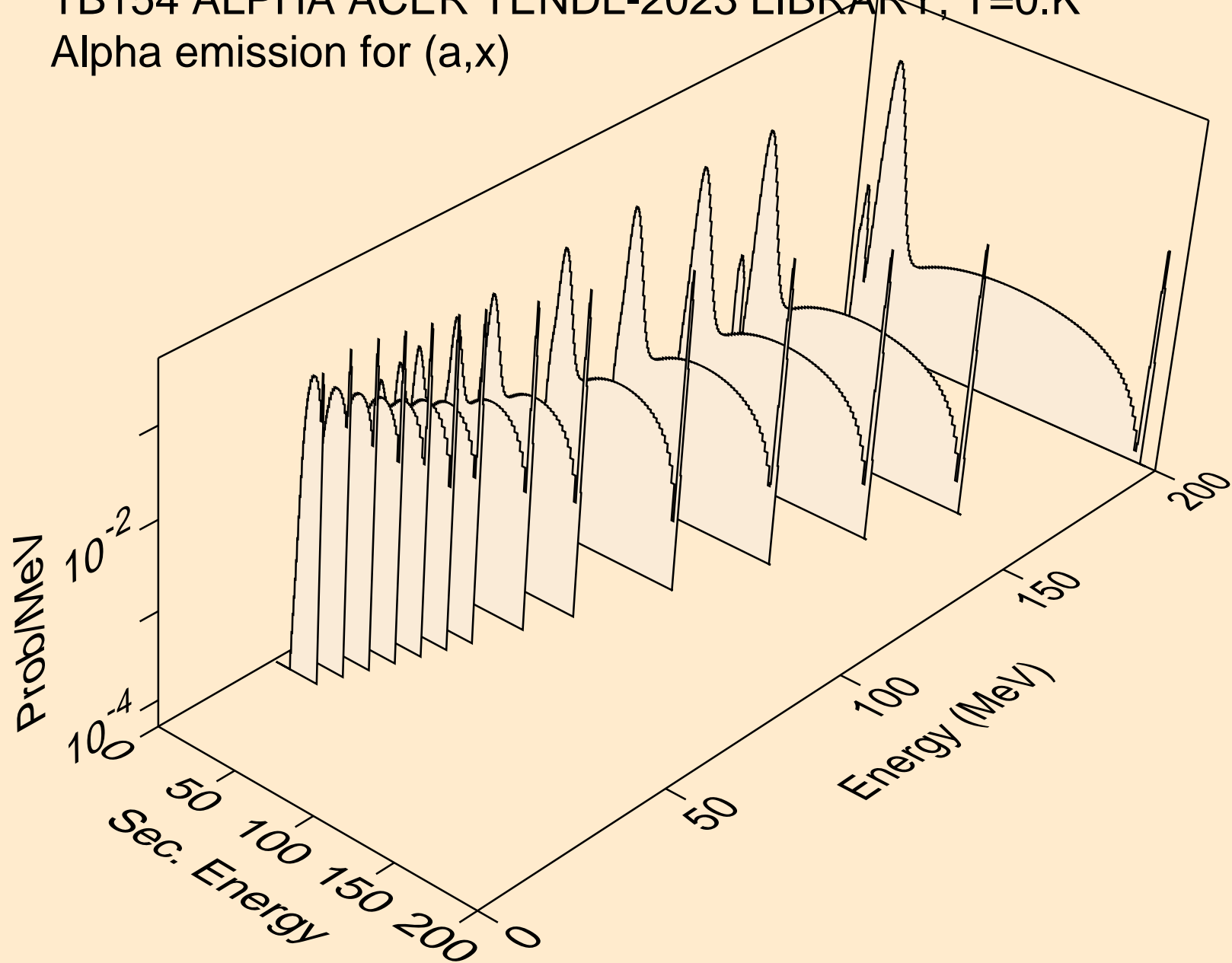




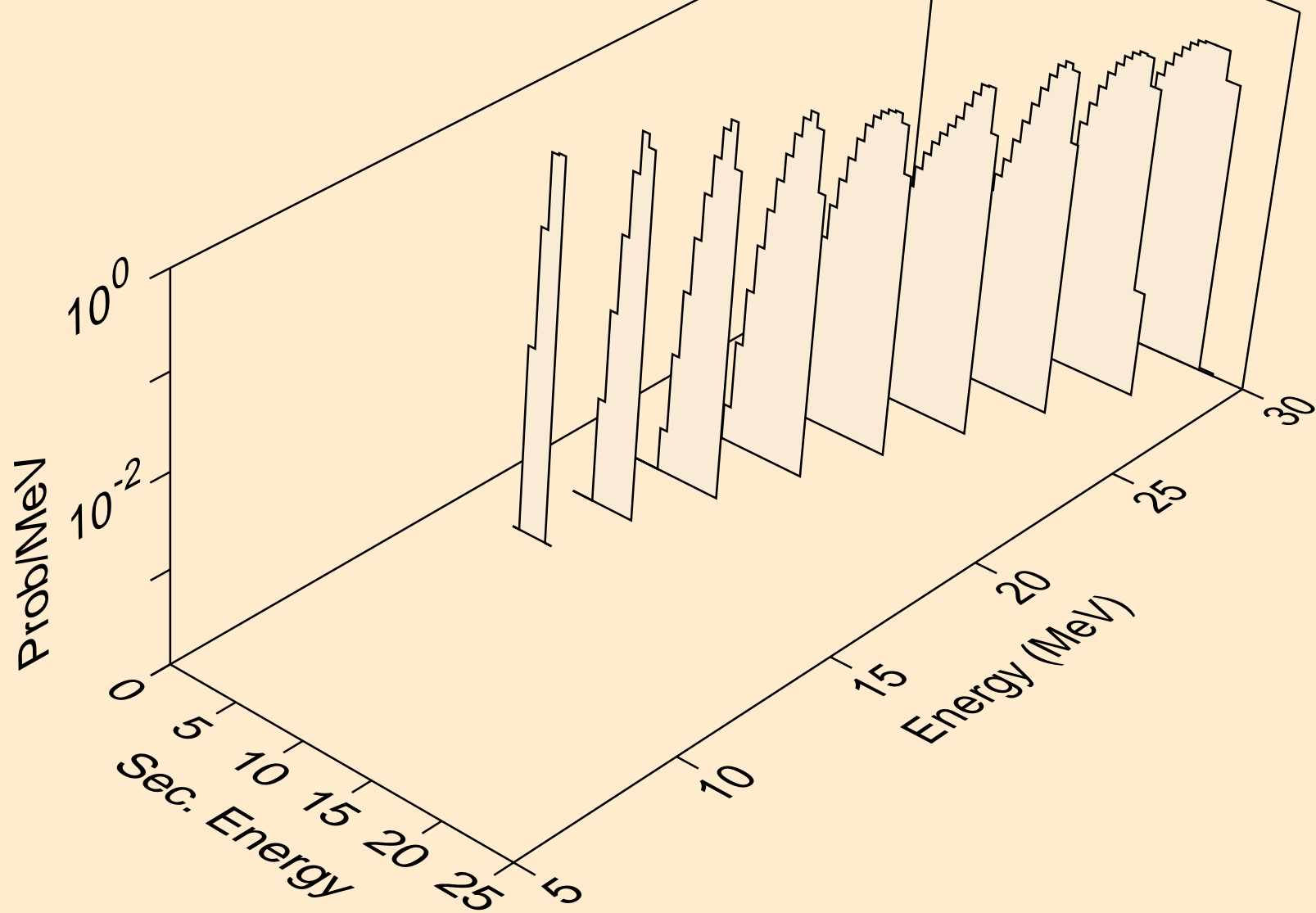
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



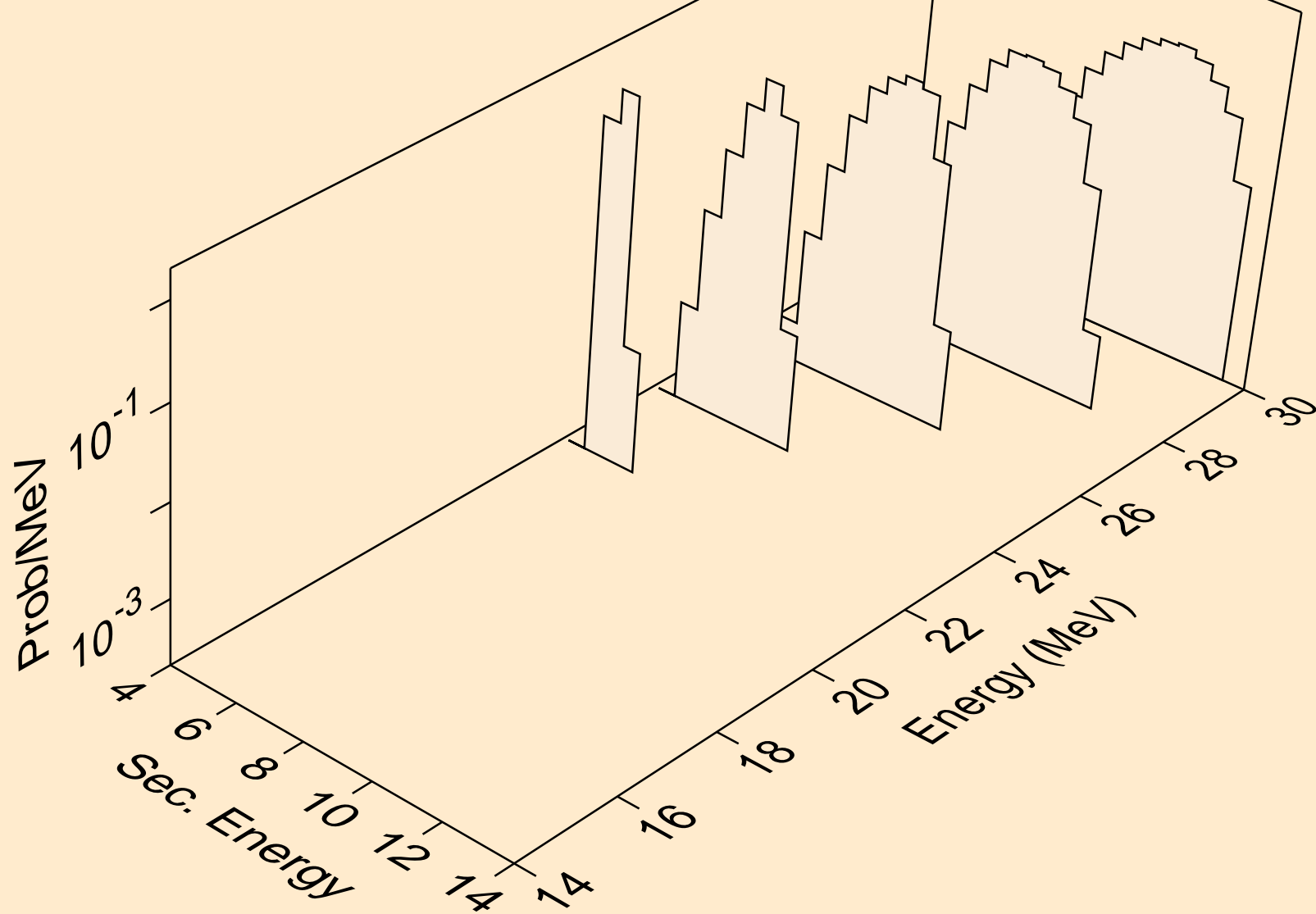
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,x)



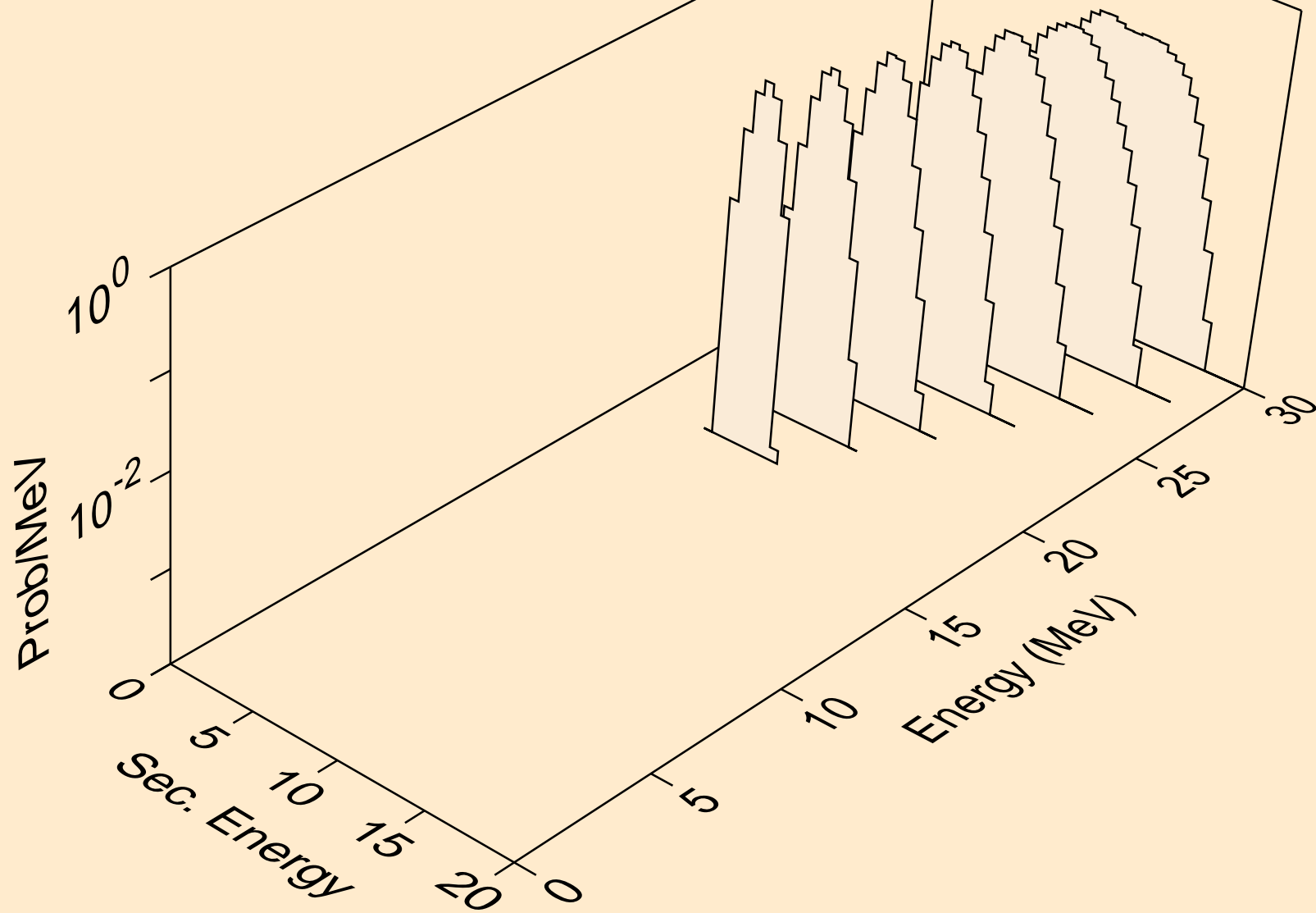
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a



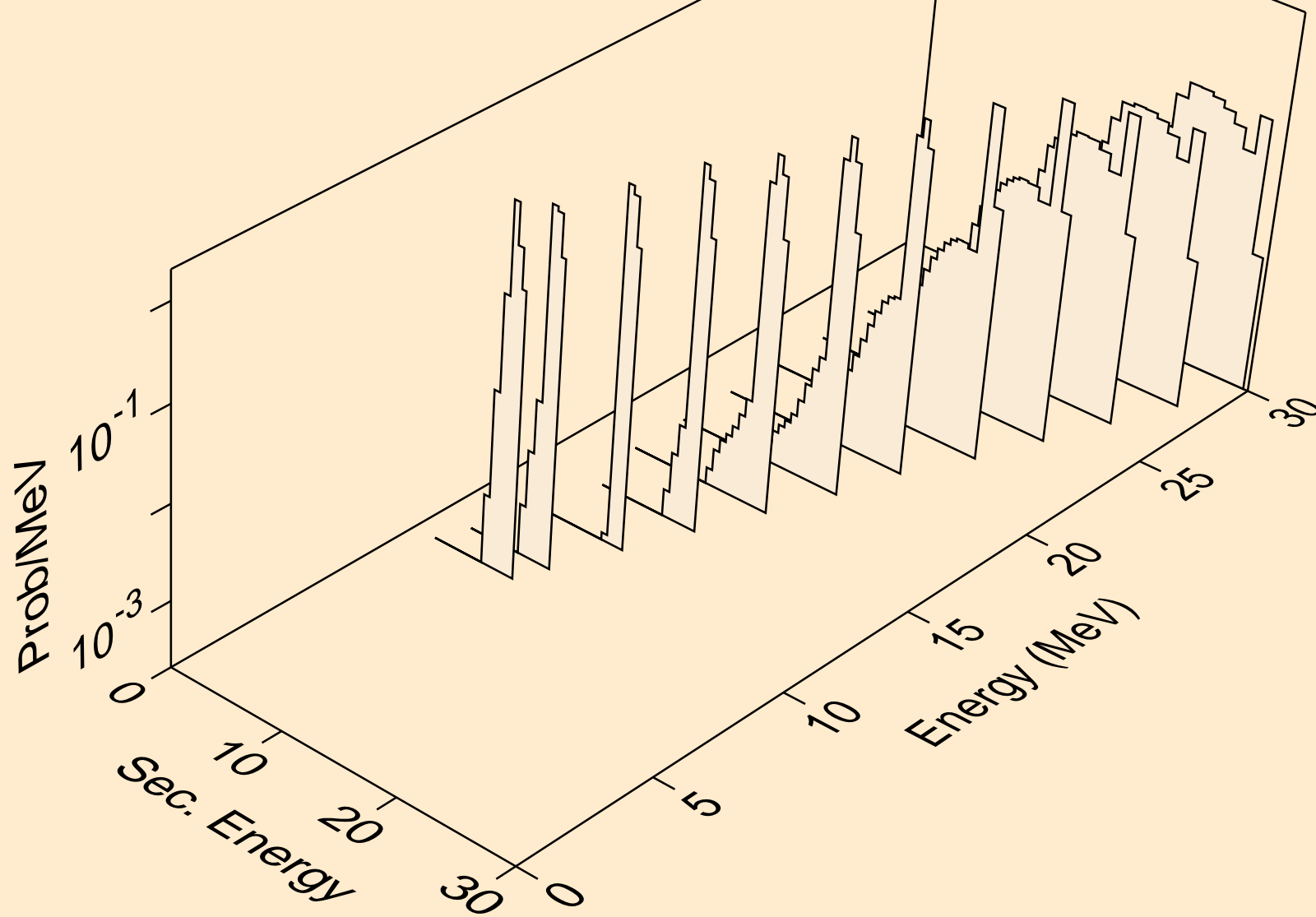
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2n)a



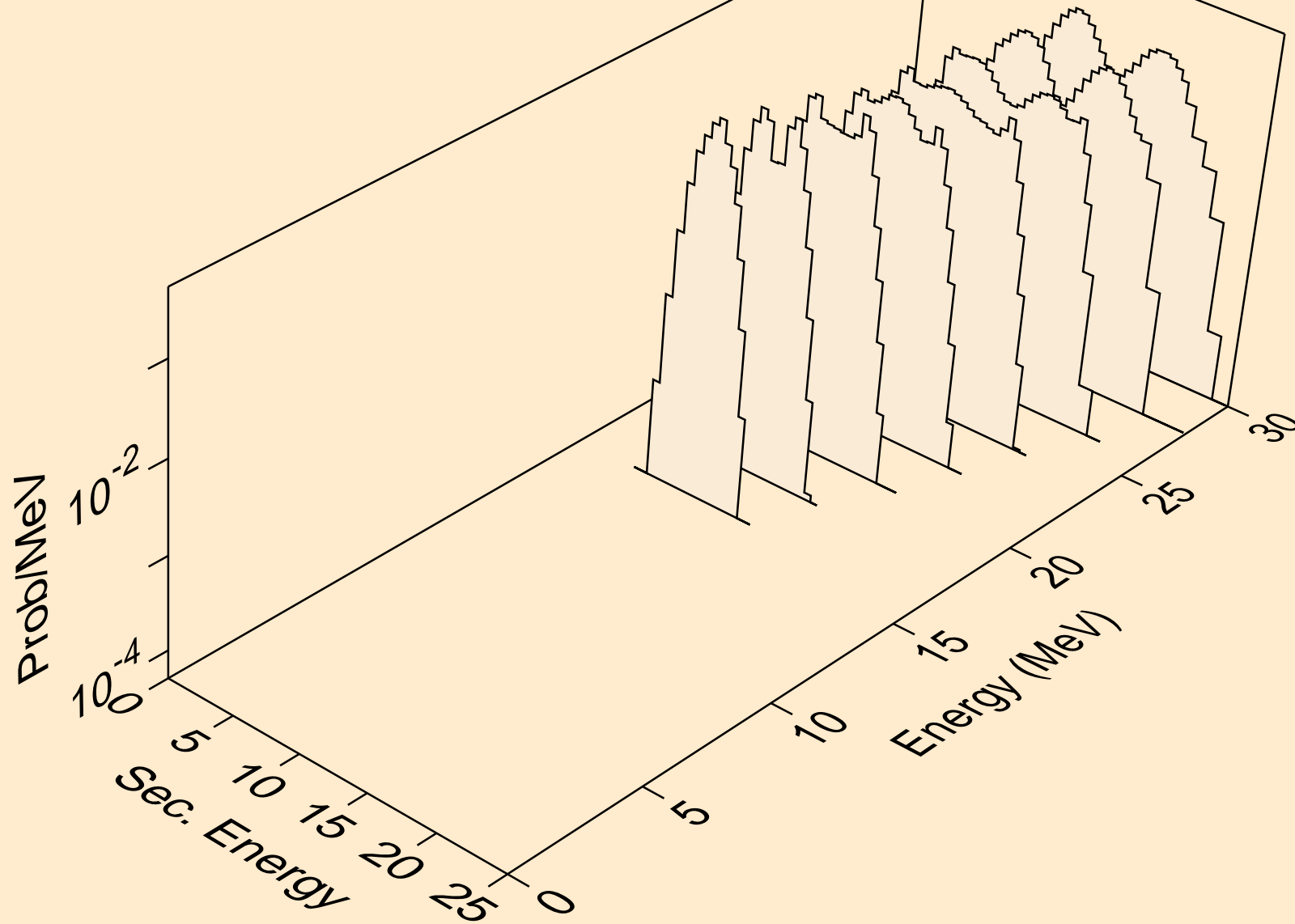
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,n\*)2a



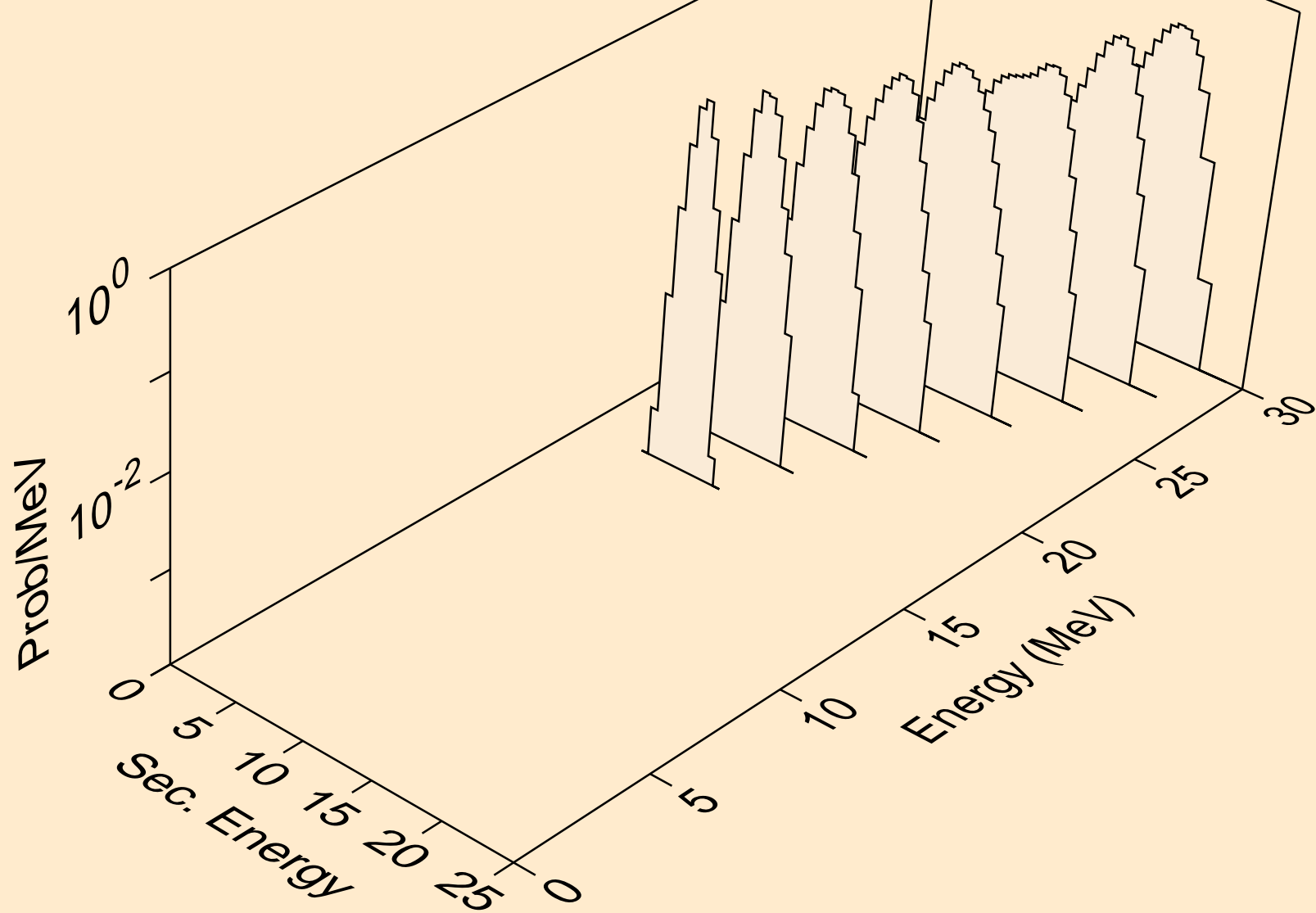
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for inelastic



TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2a)

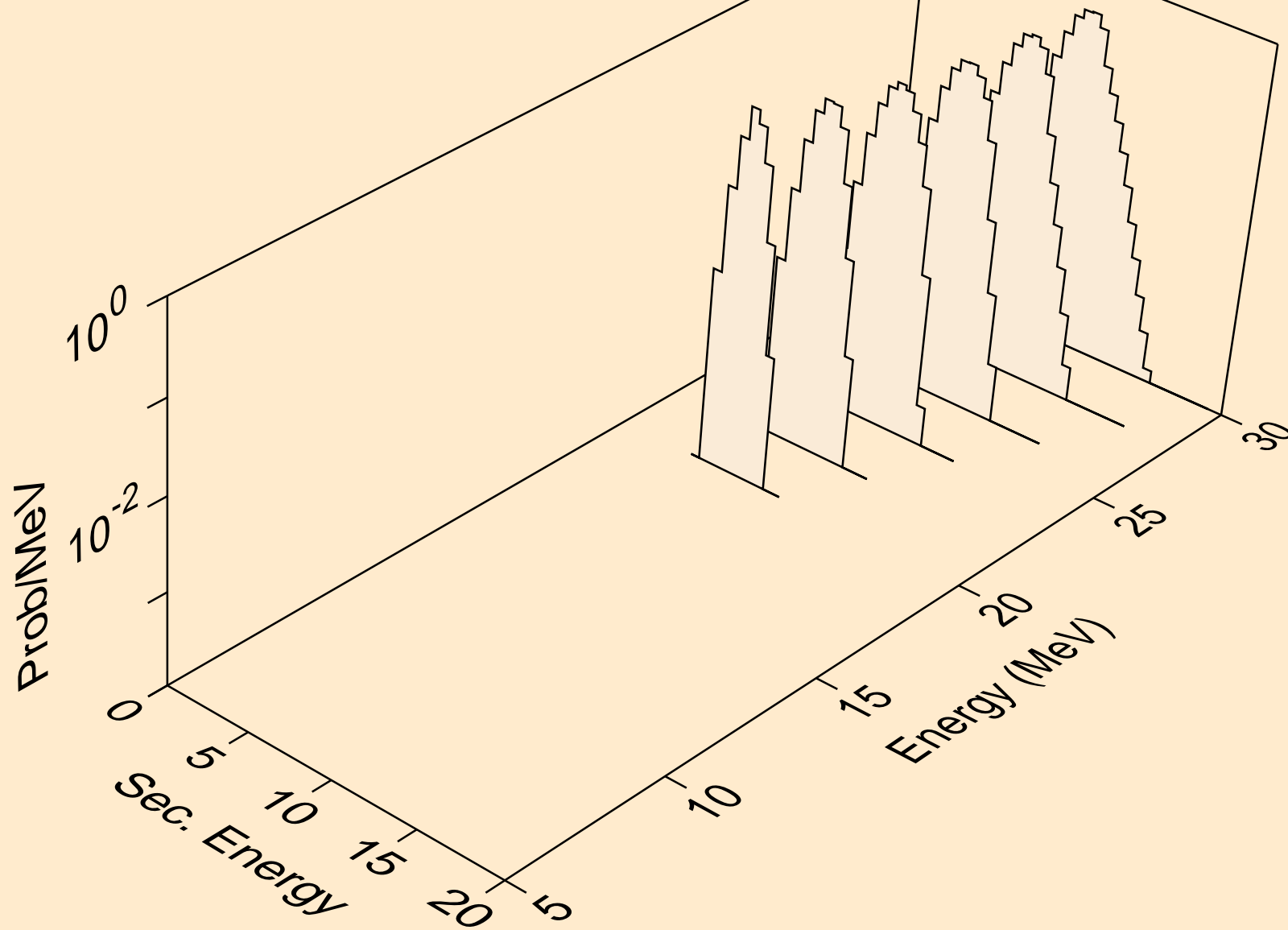


TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,pa)

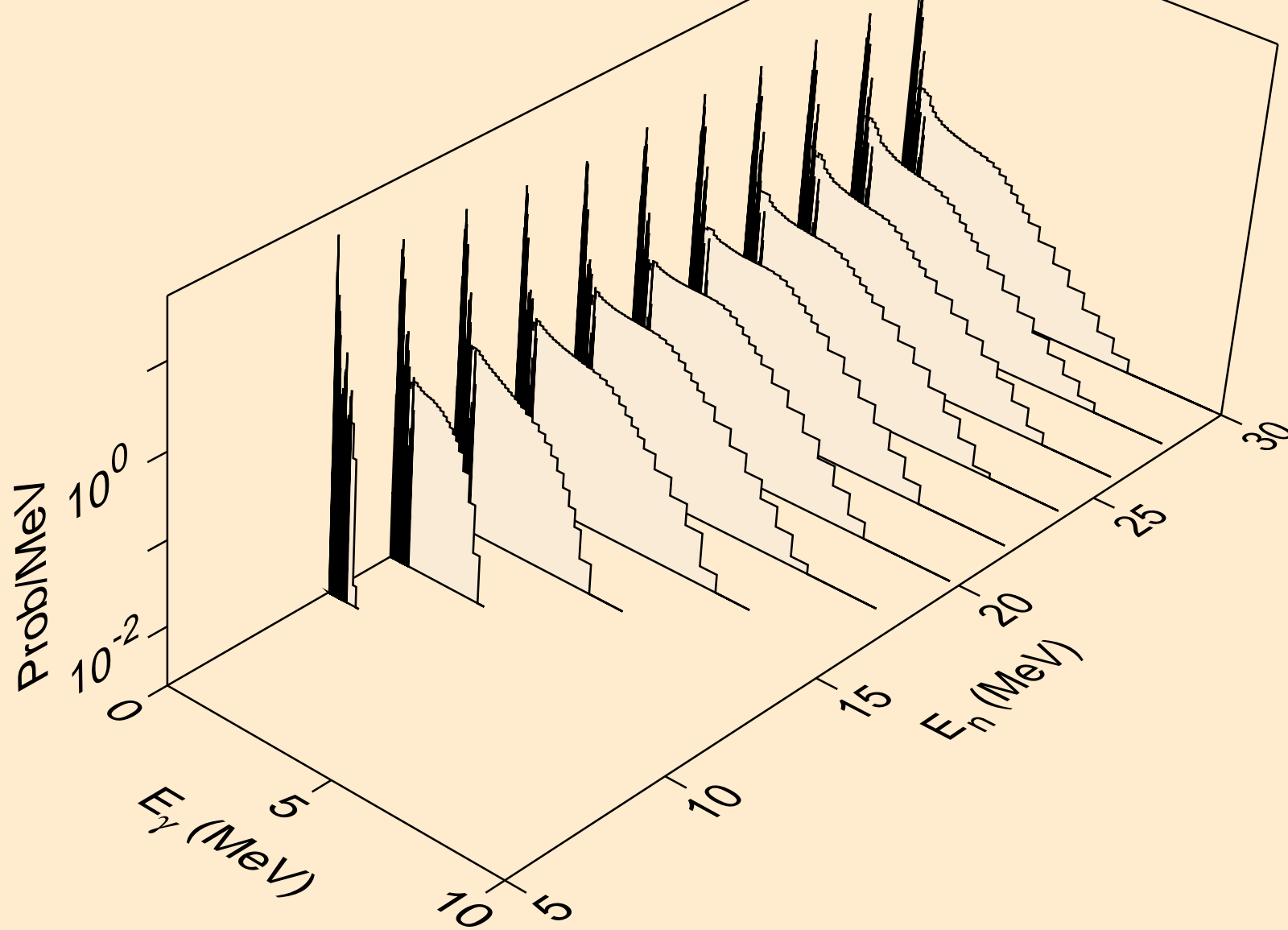




TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,da)

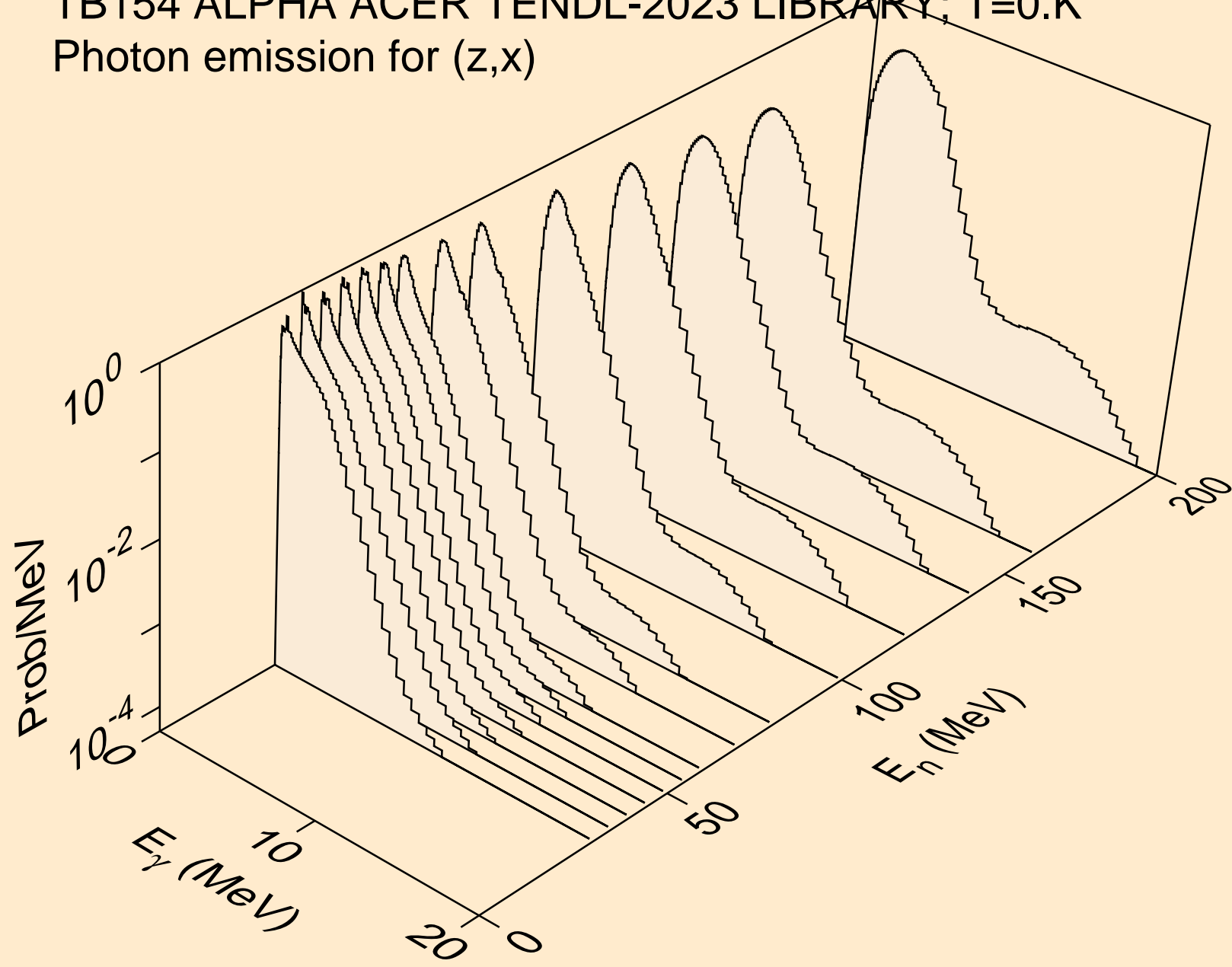


TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)

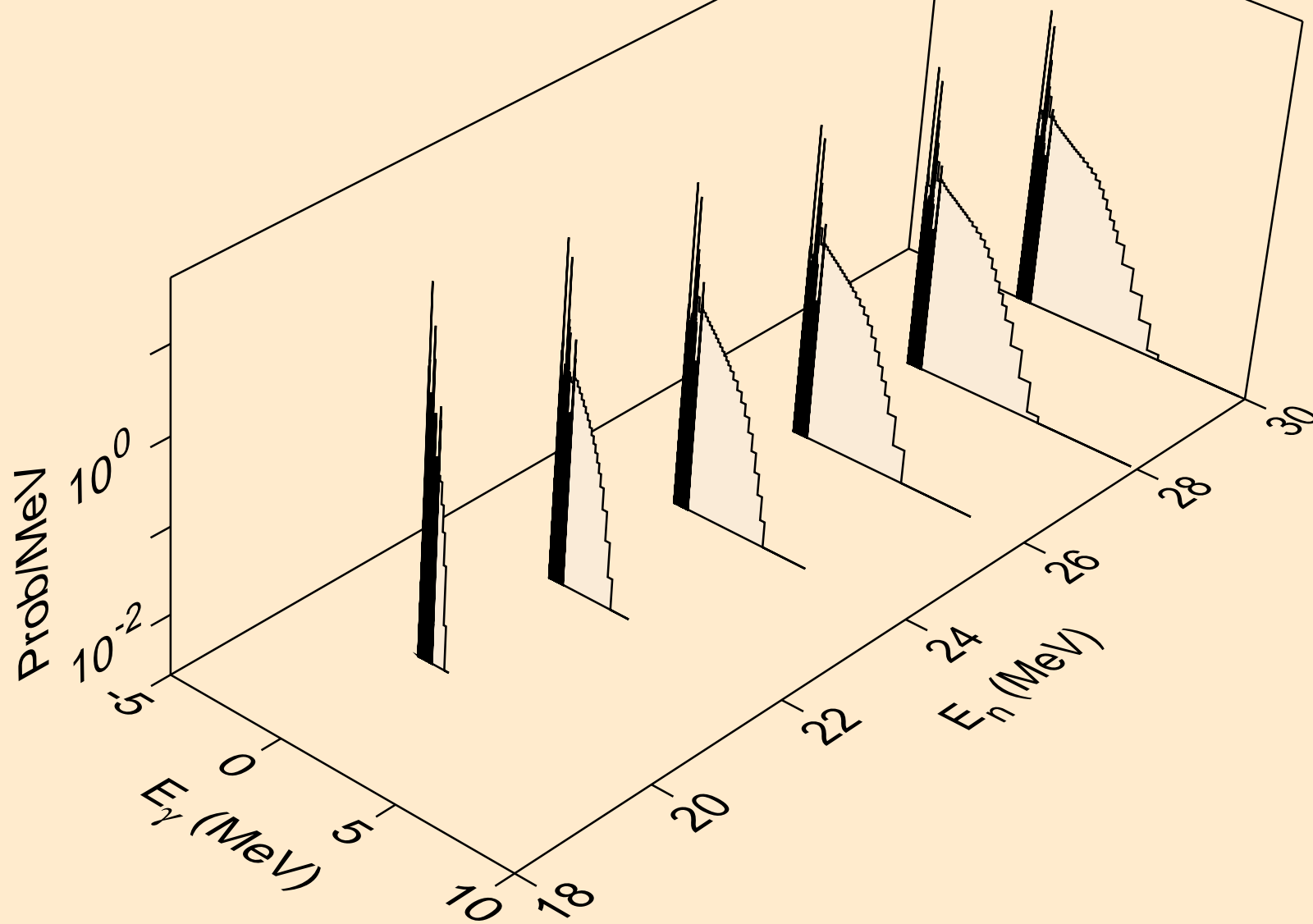


TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

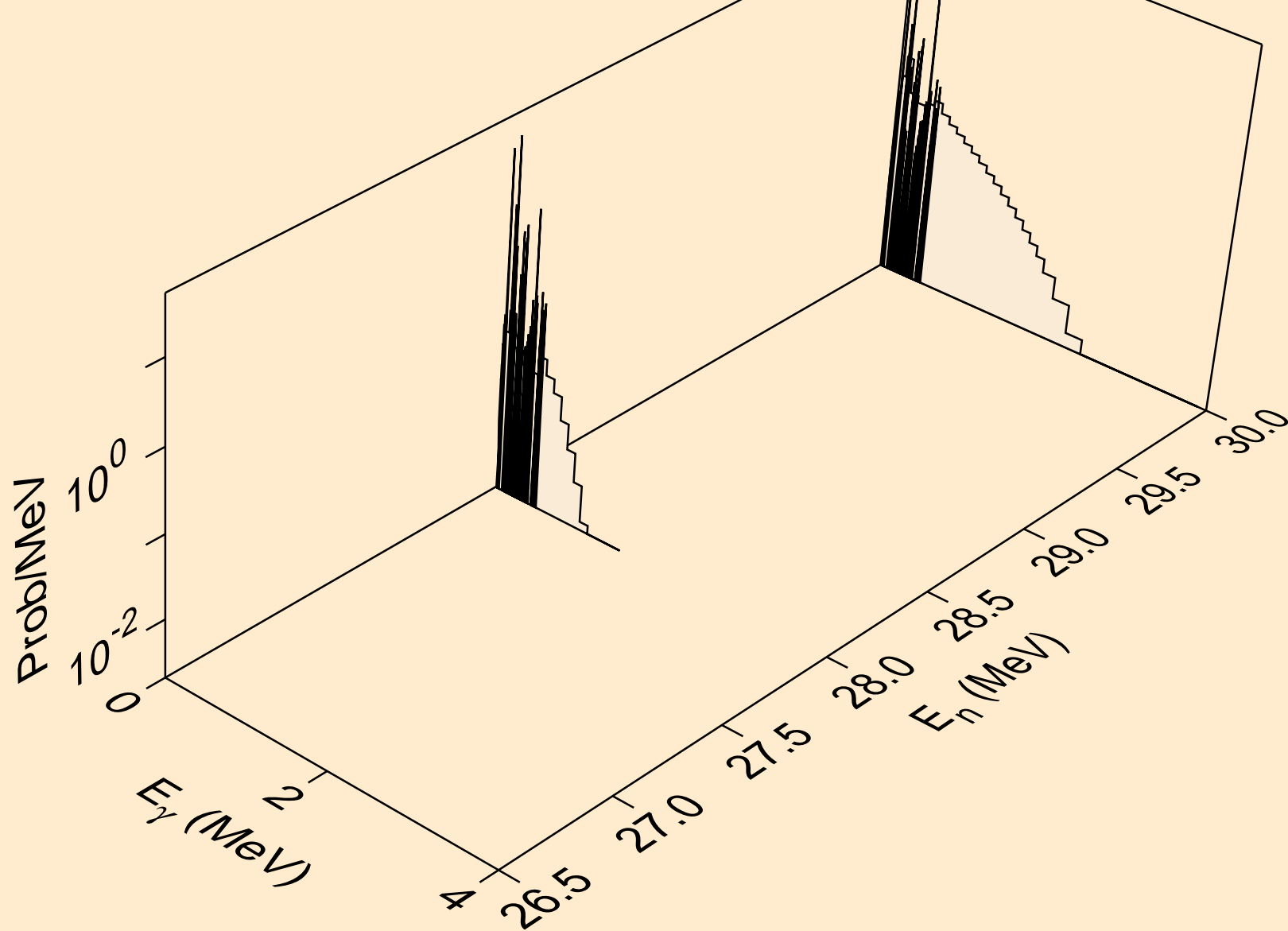
Photon emission for (z,x)



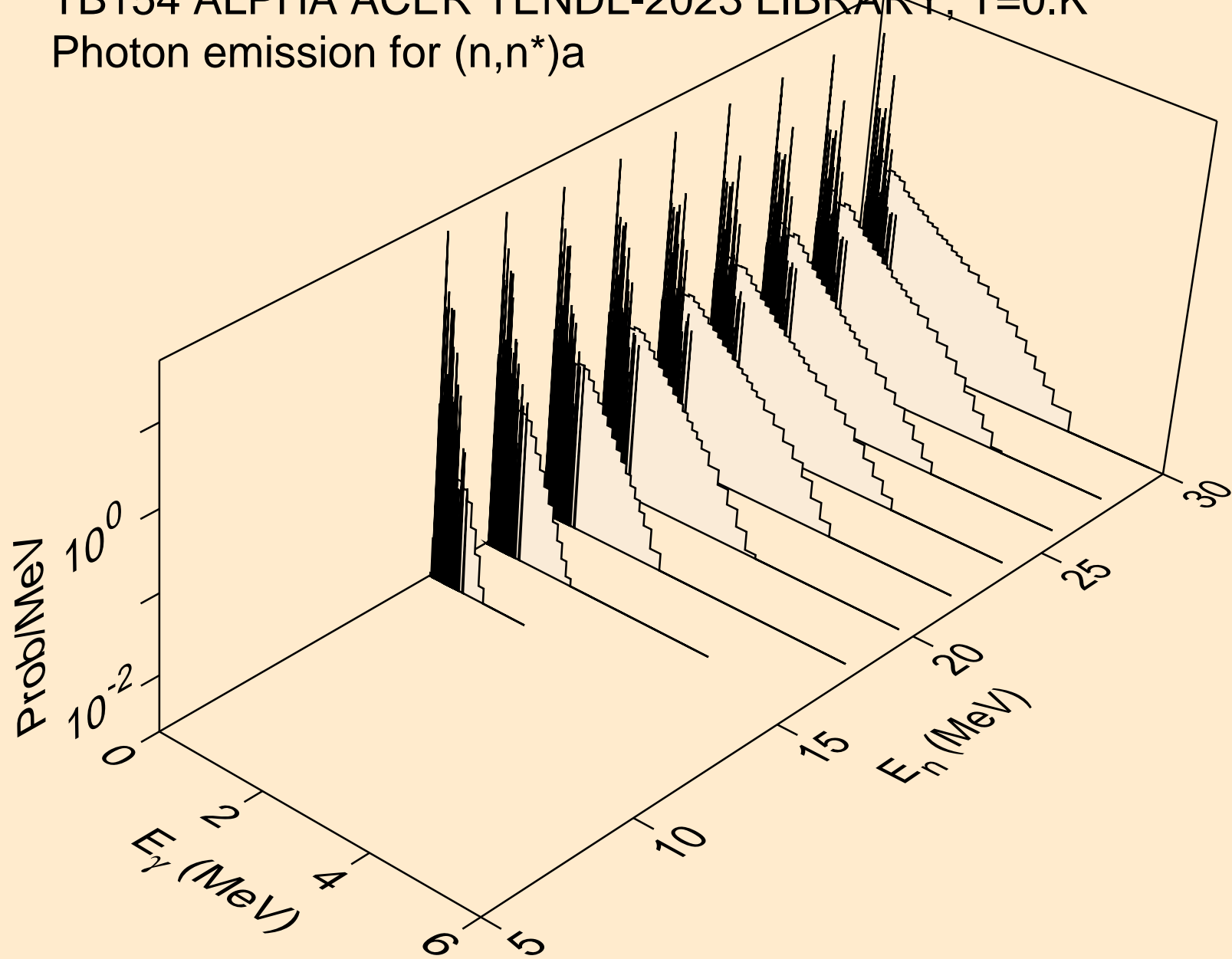
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



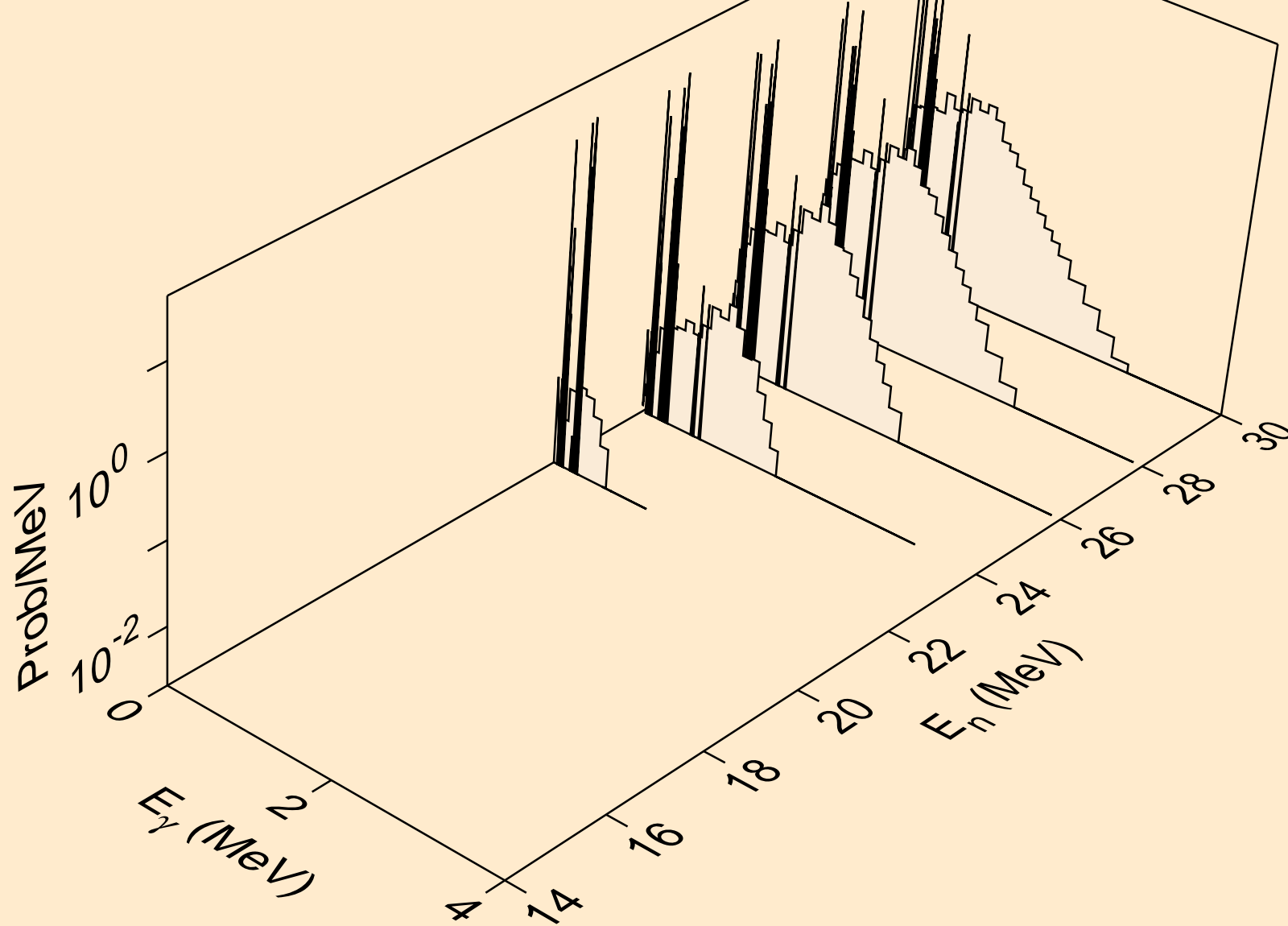
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



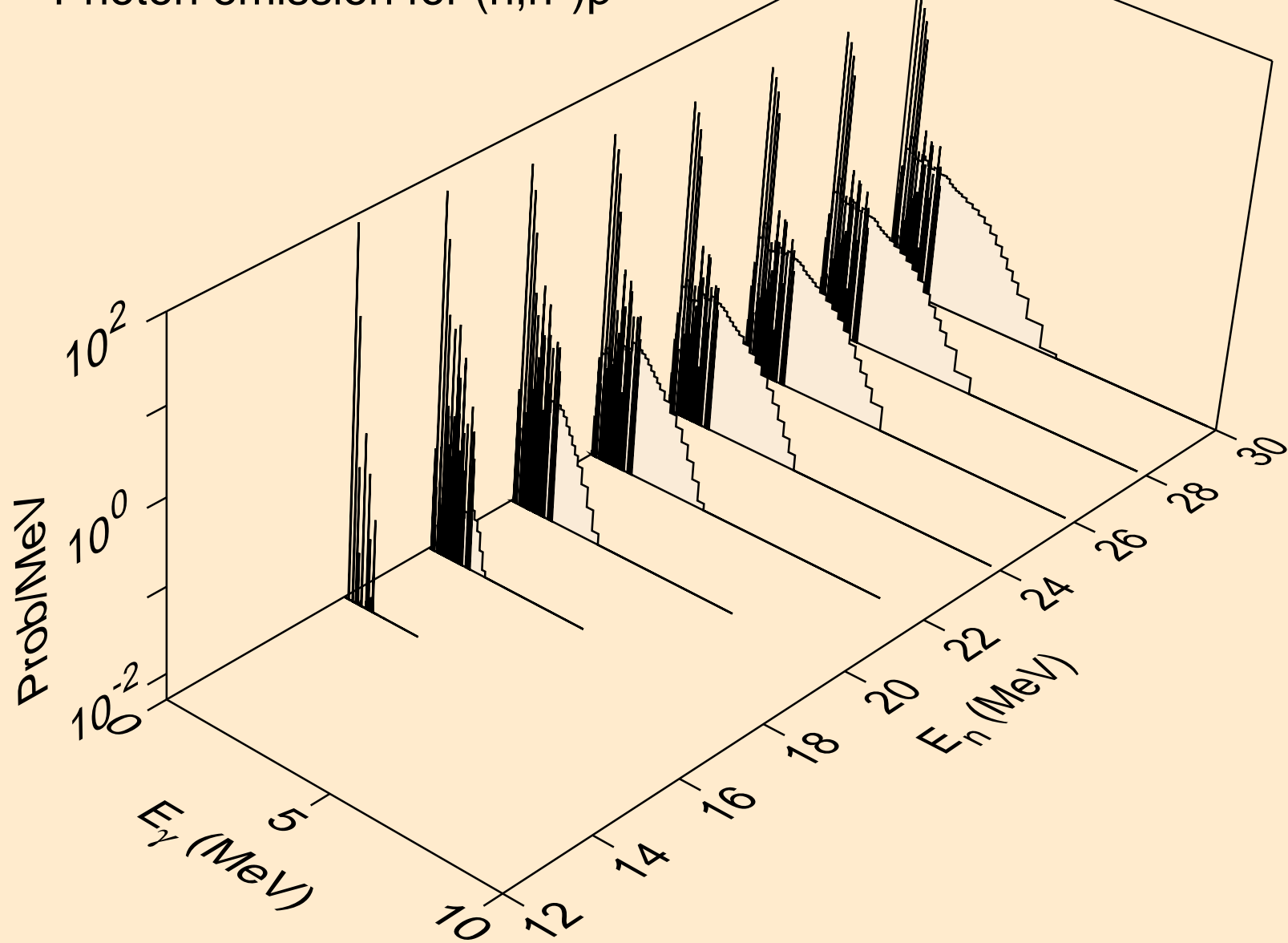
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

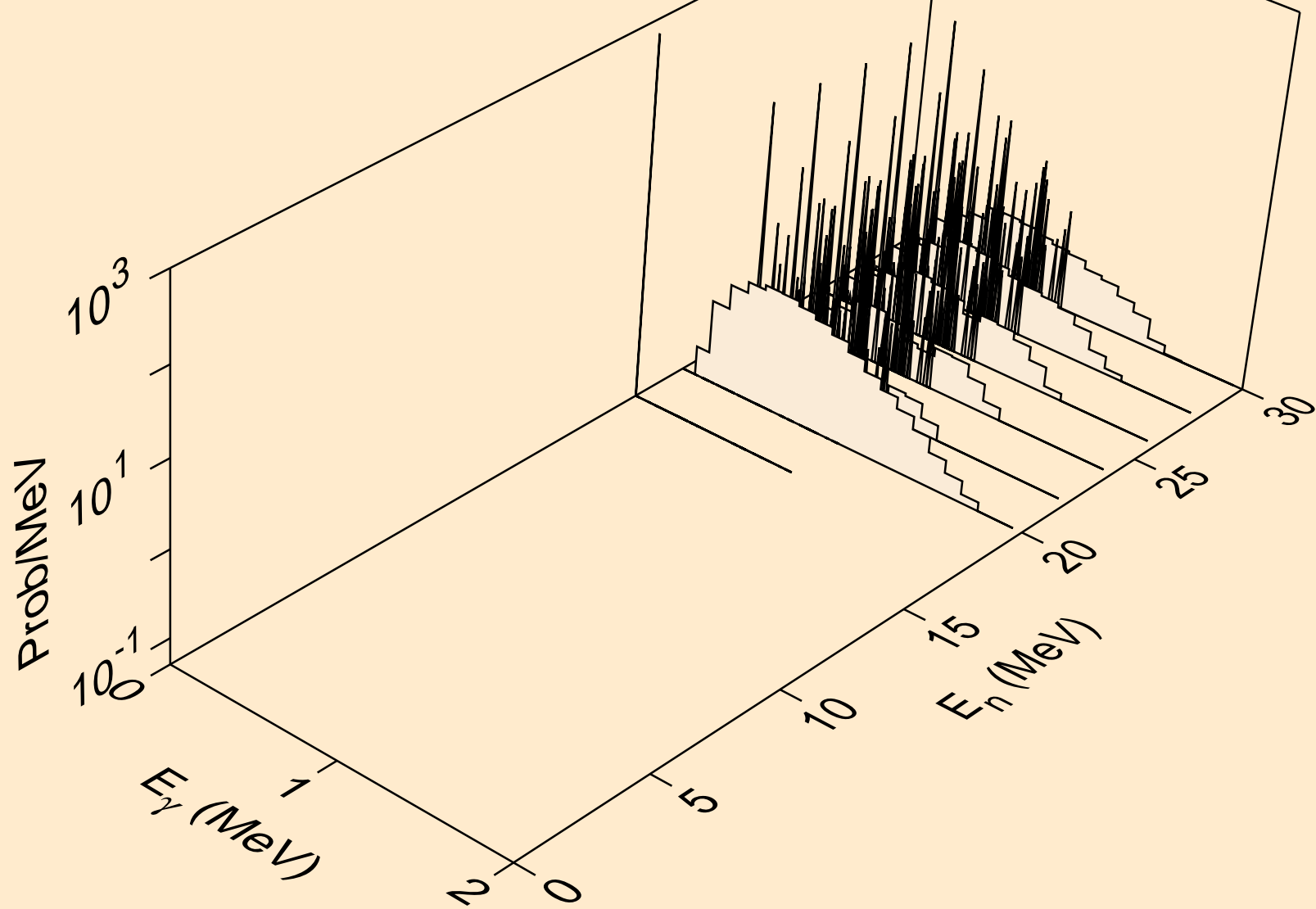


TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

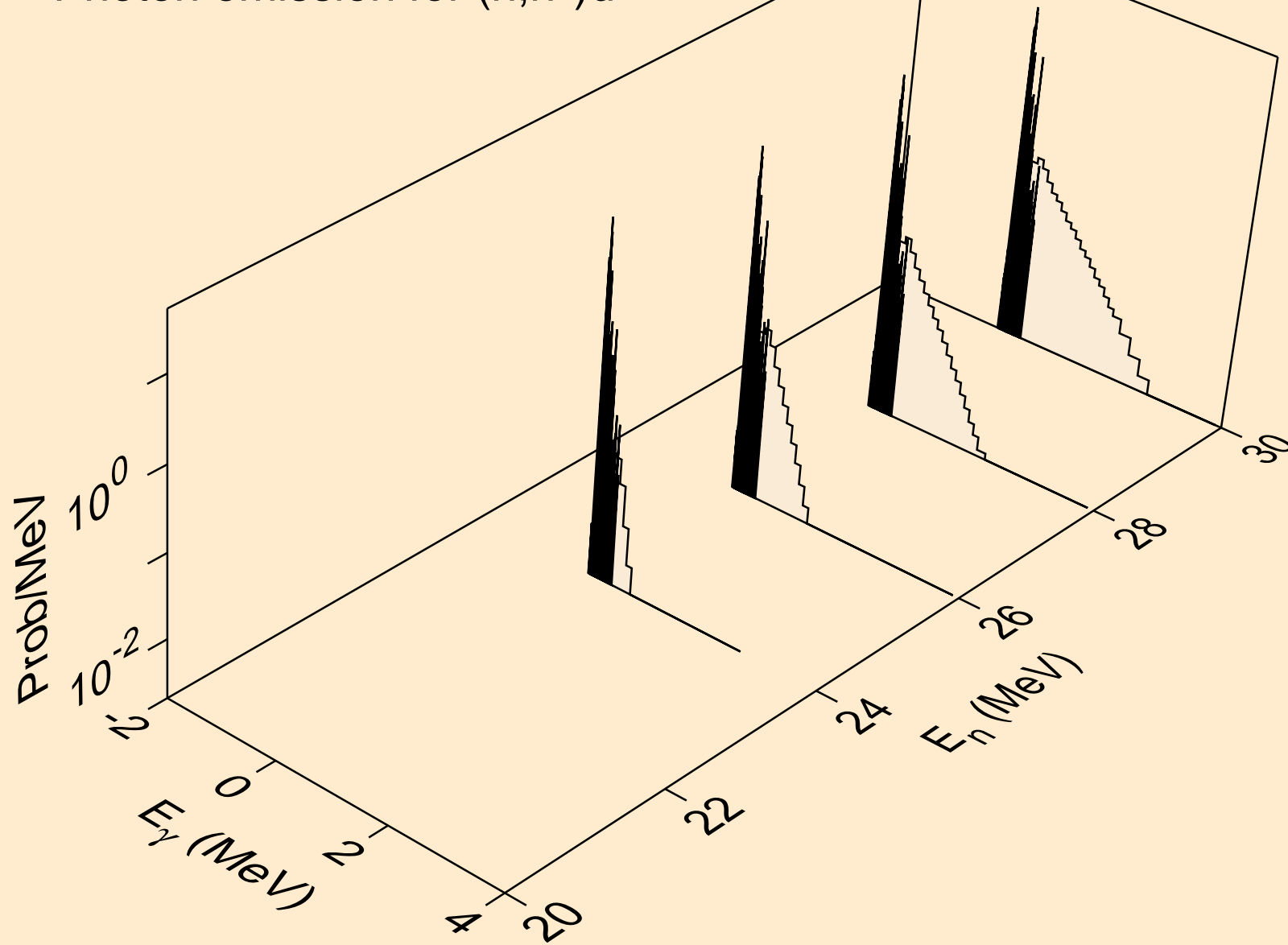




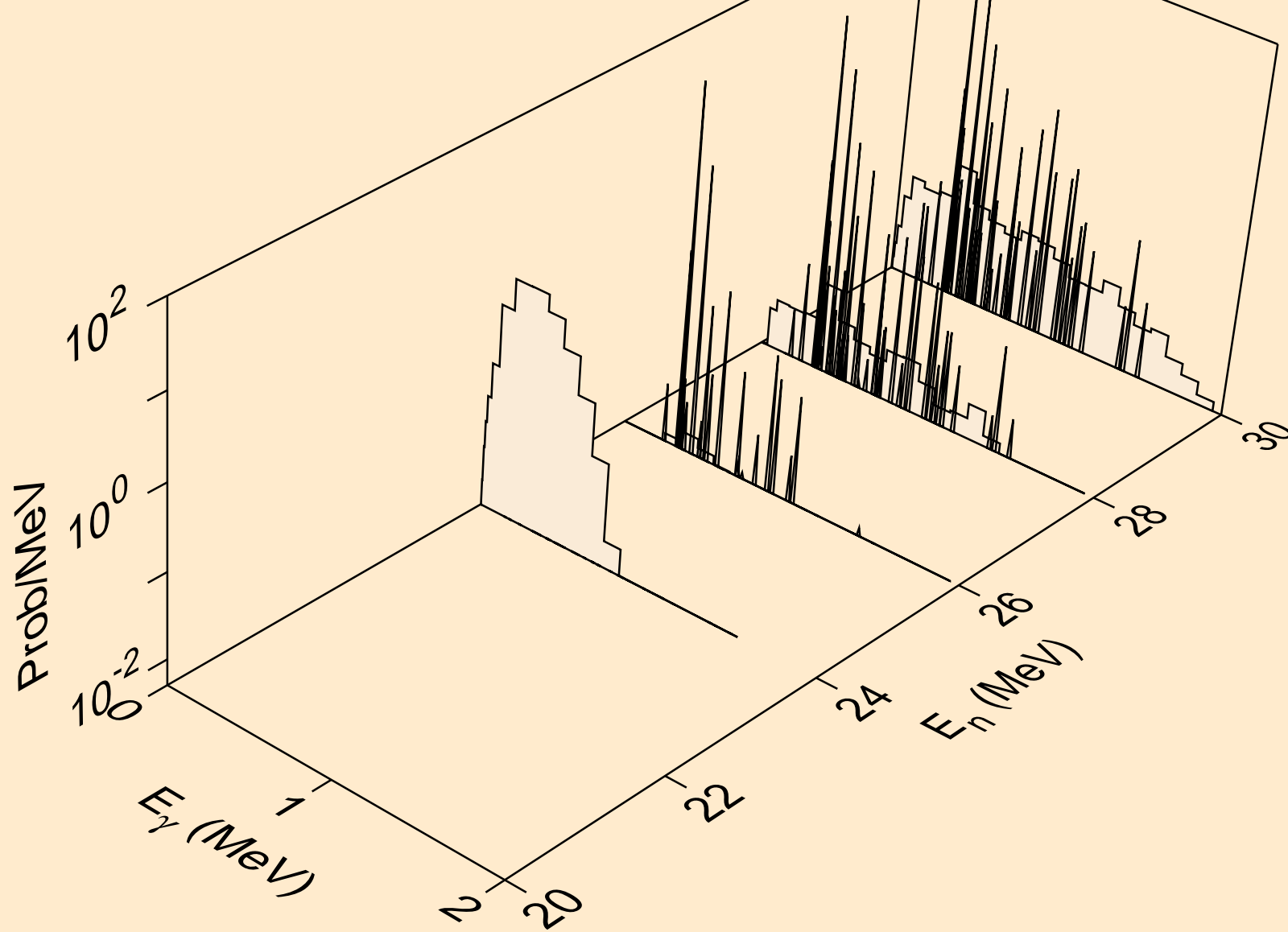
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



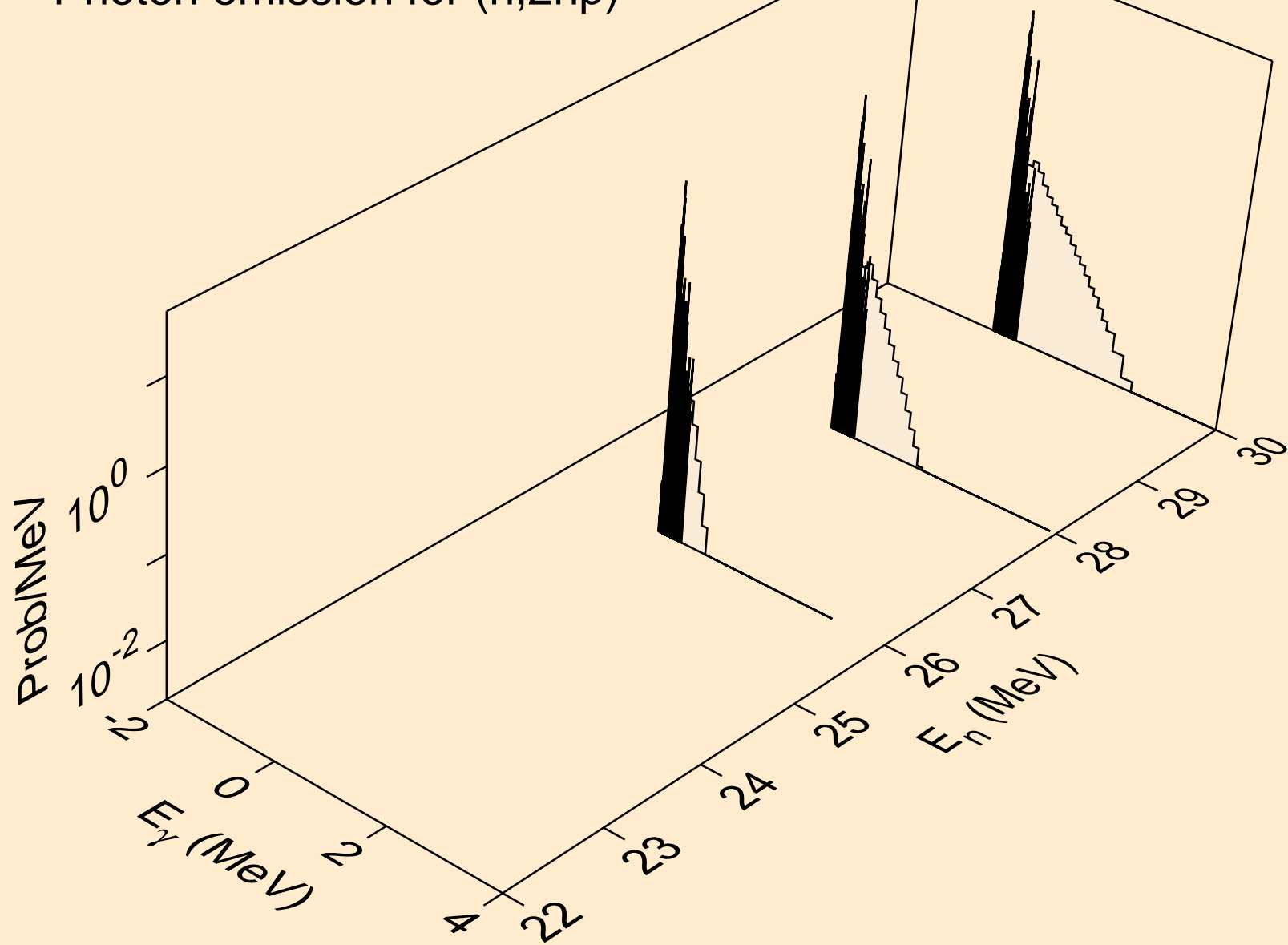
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



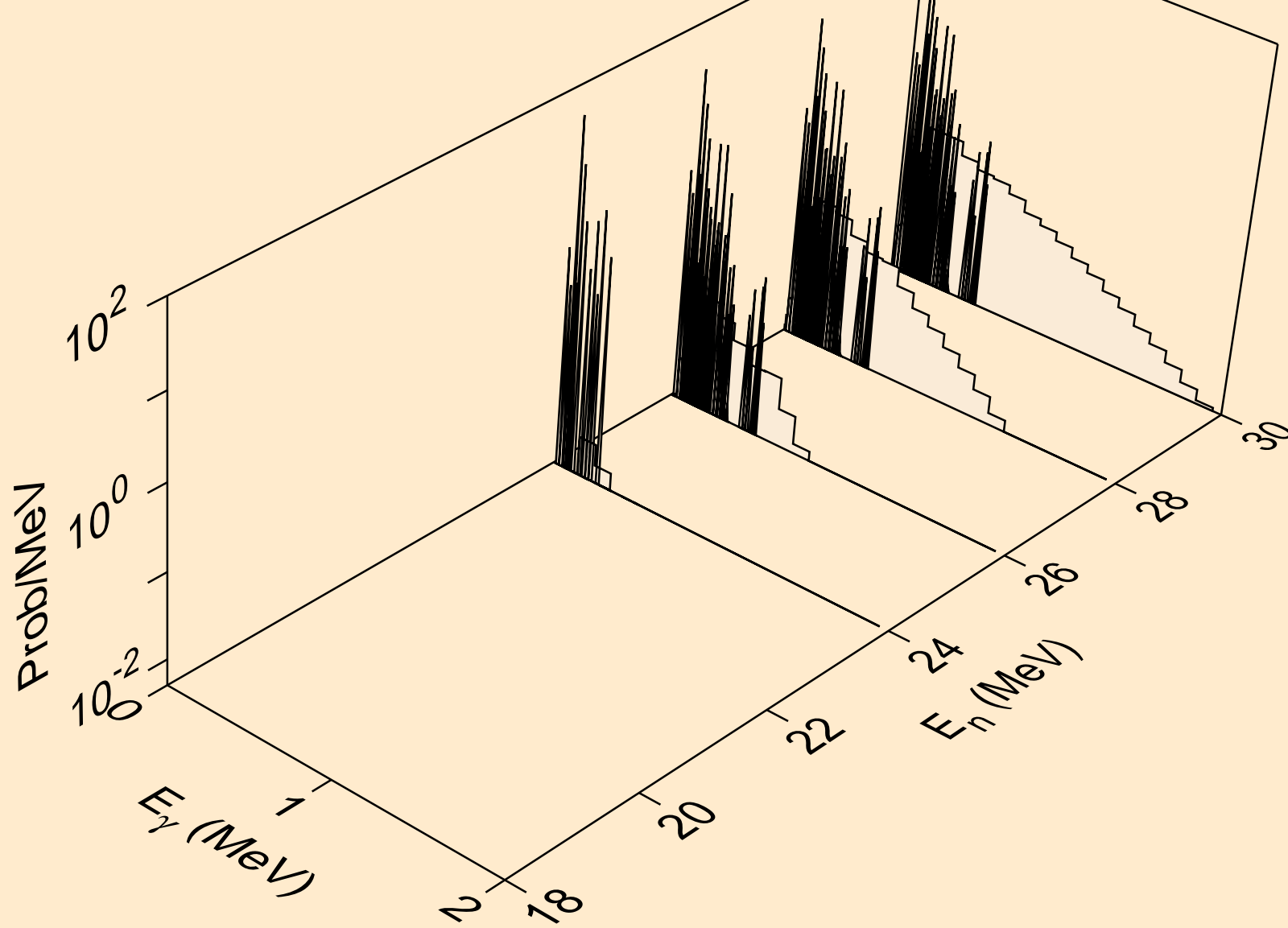
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



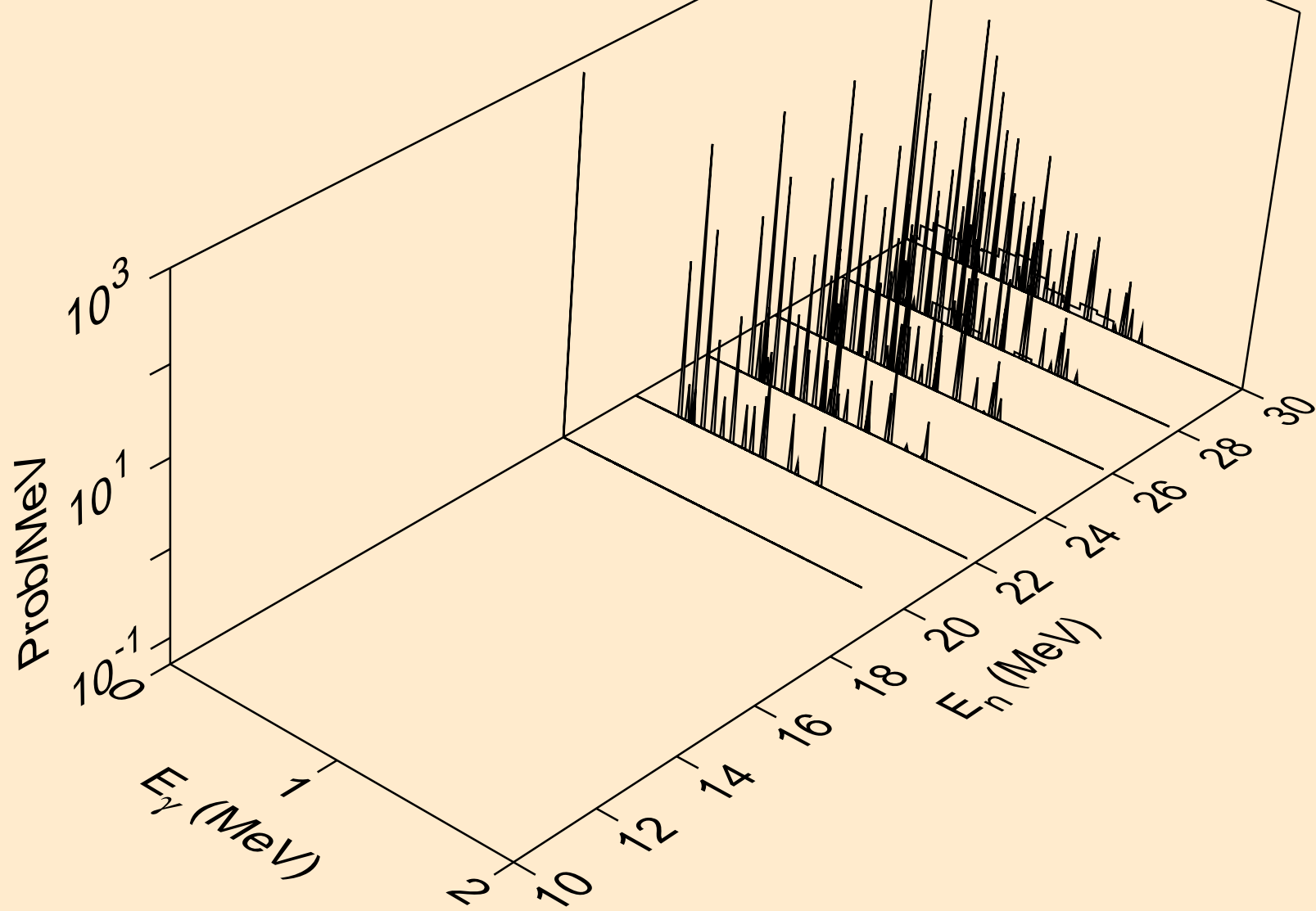
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Photon emission for (n,2np)



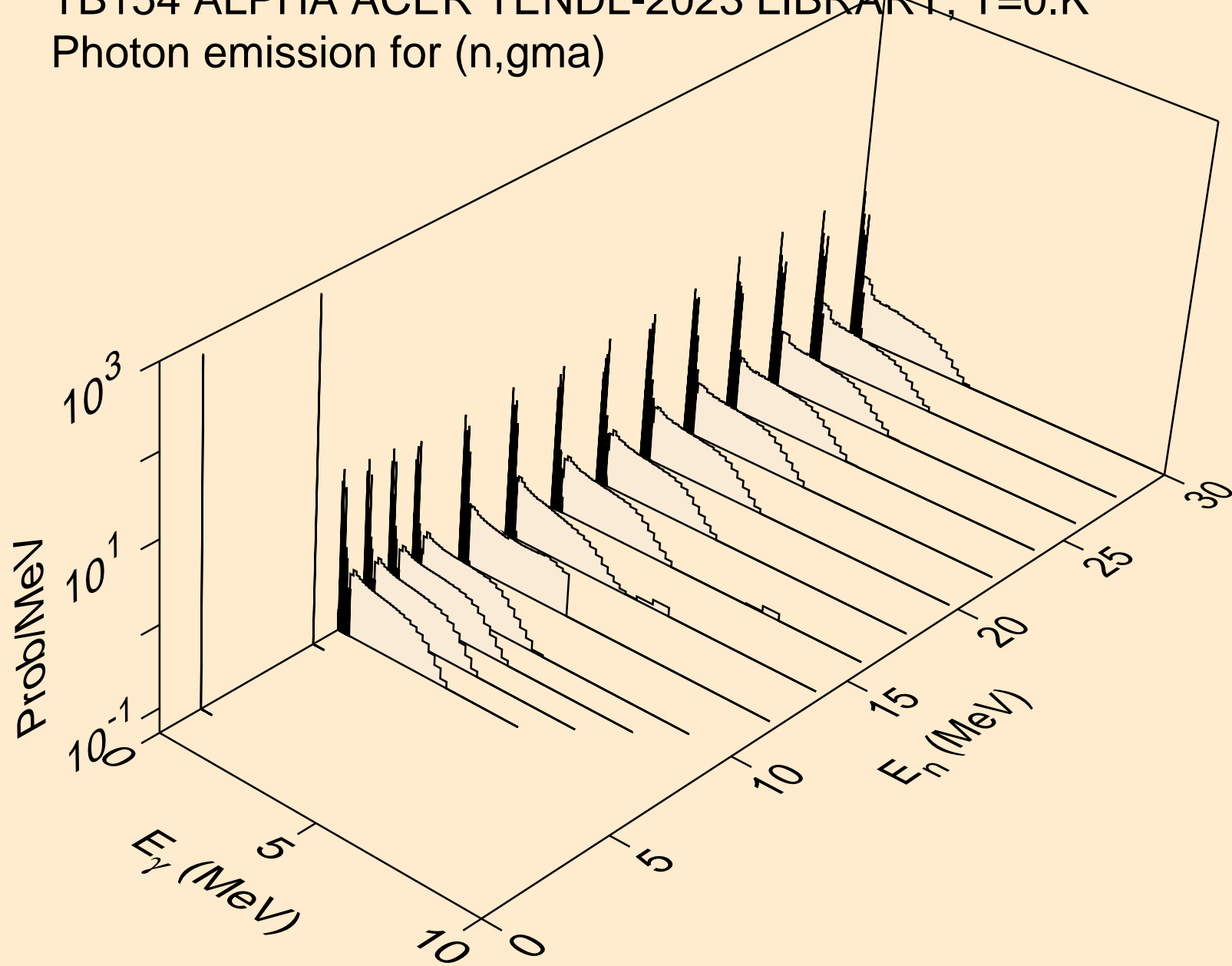
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



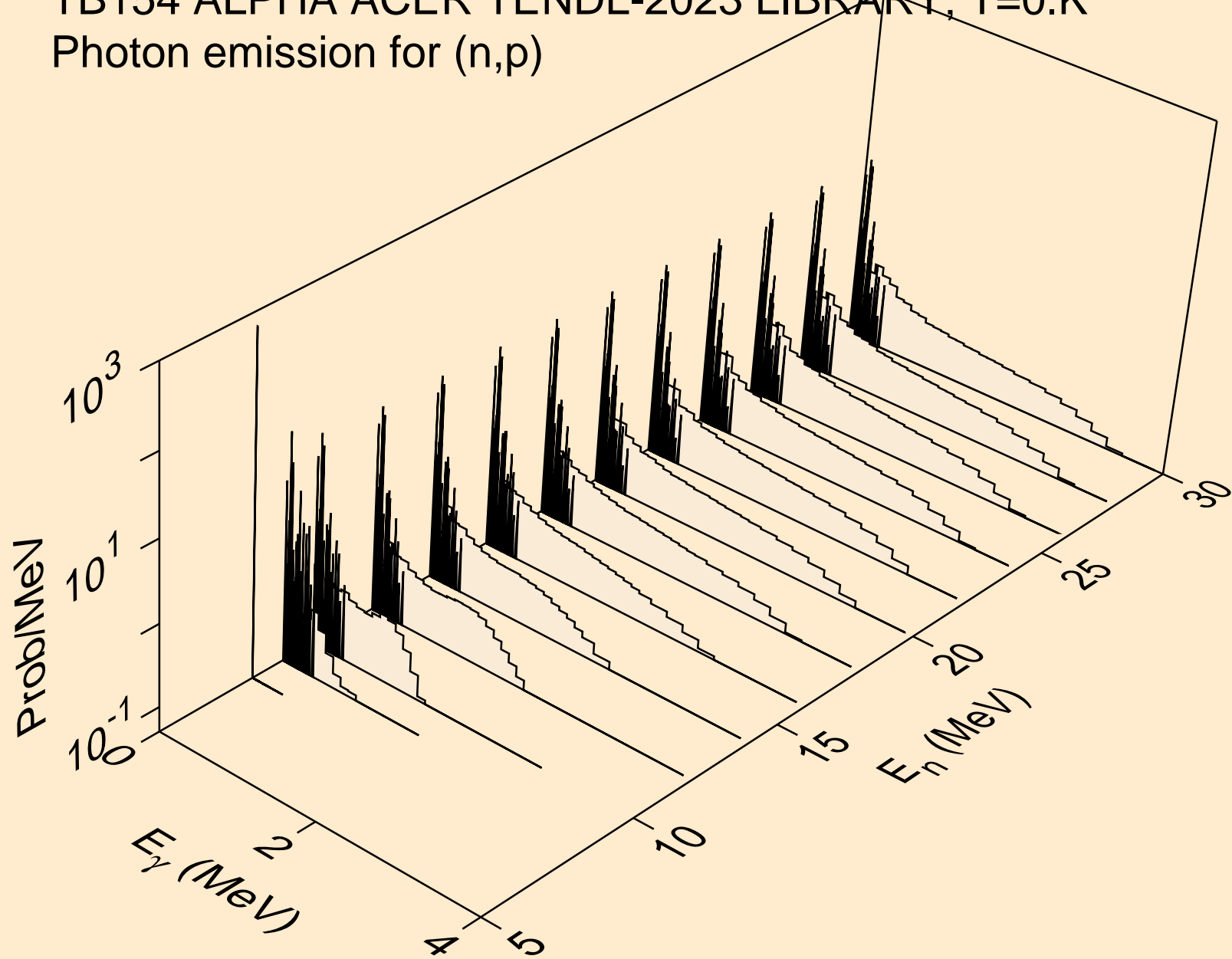
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)

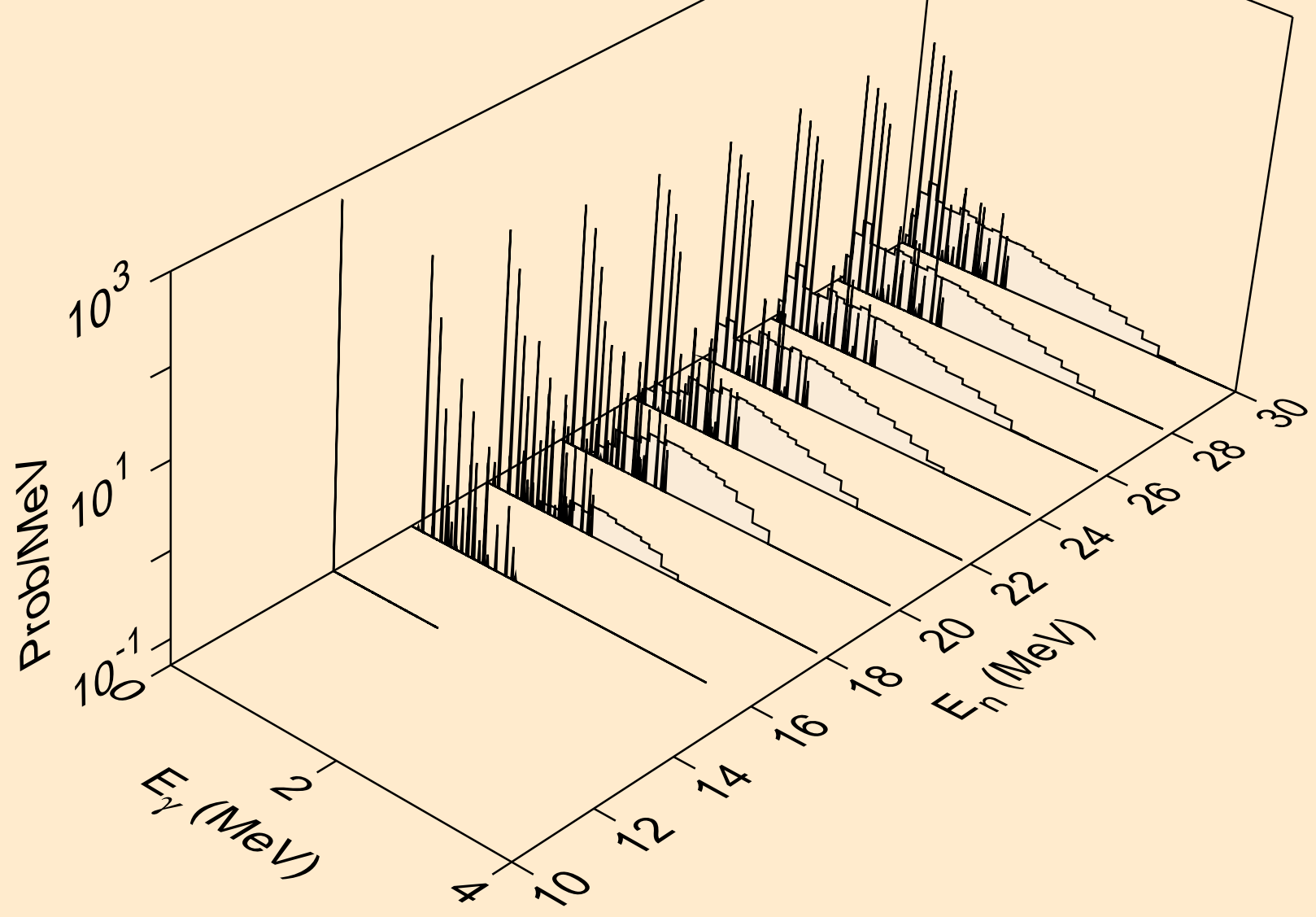


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Photon emission for (n,p)

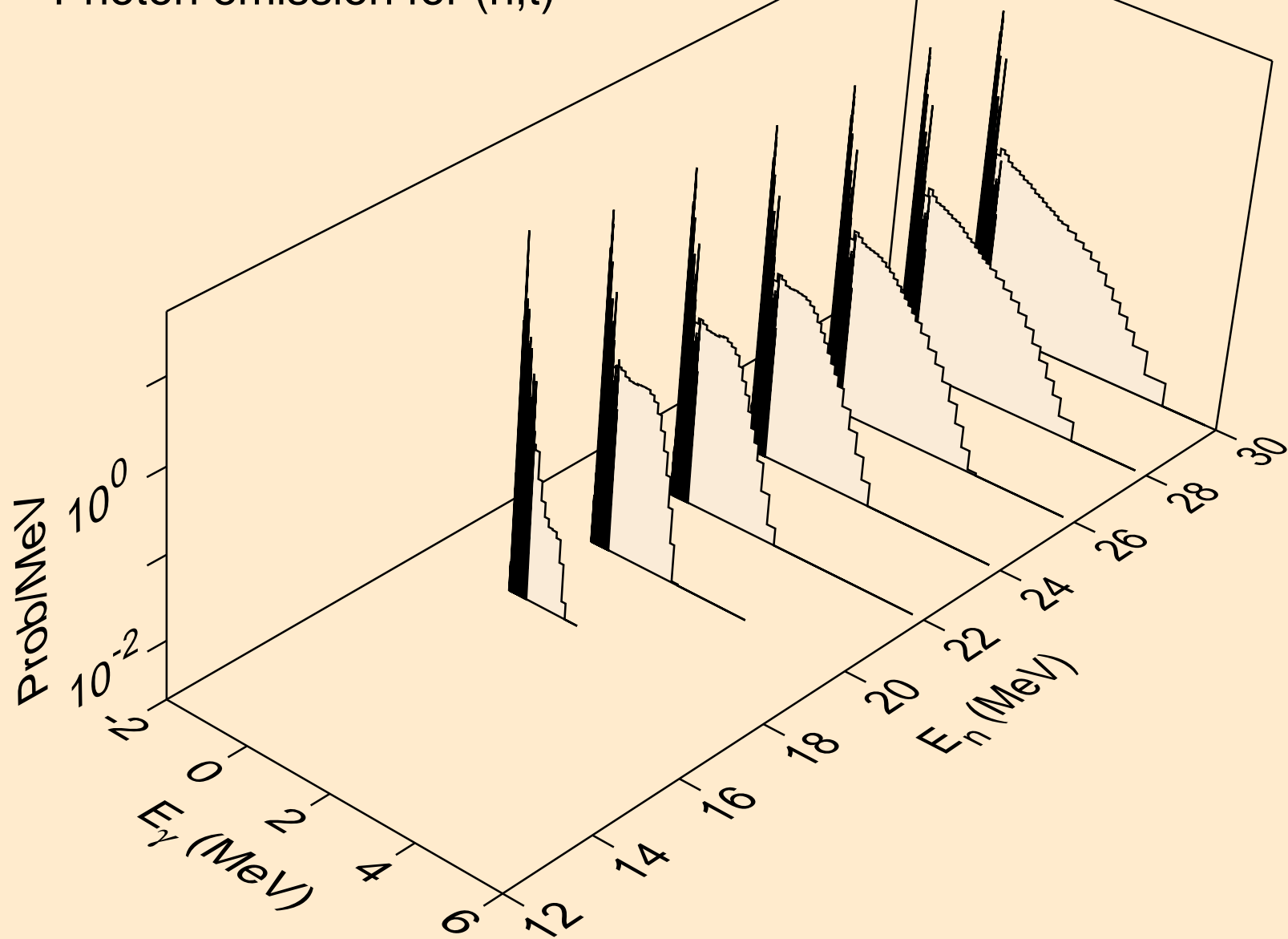




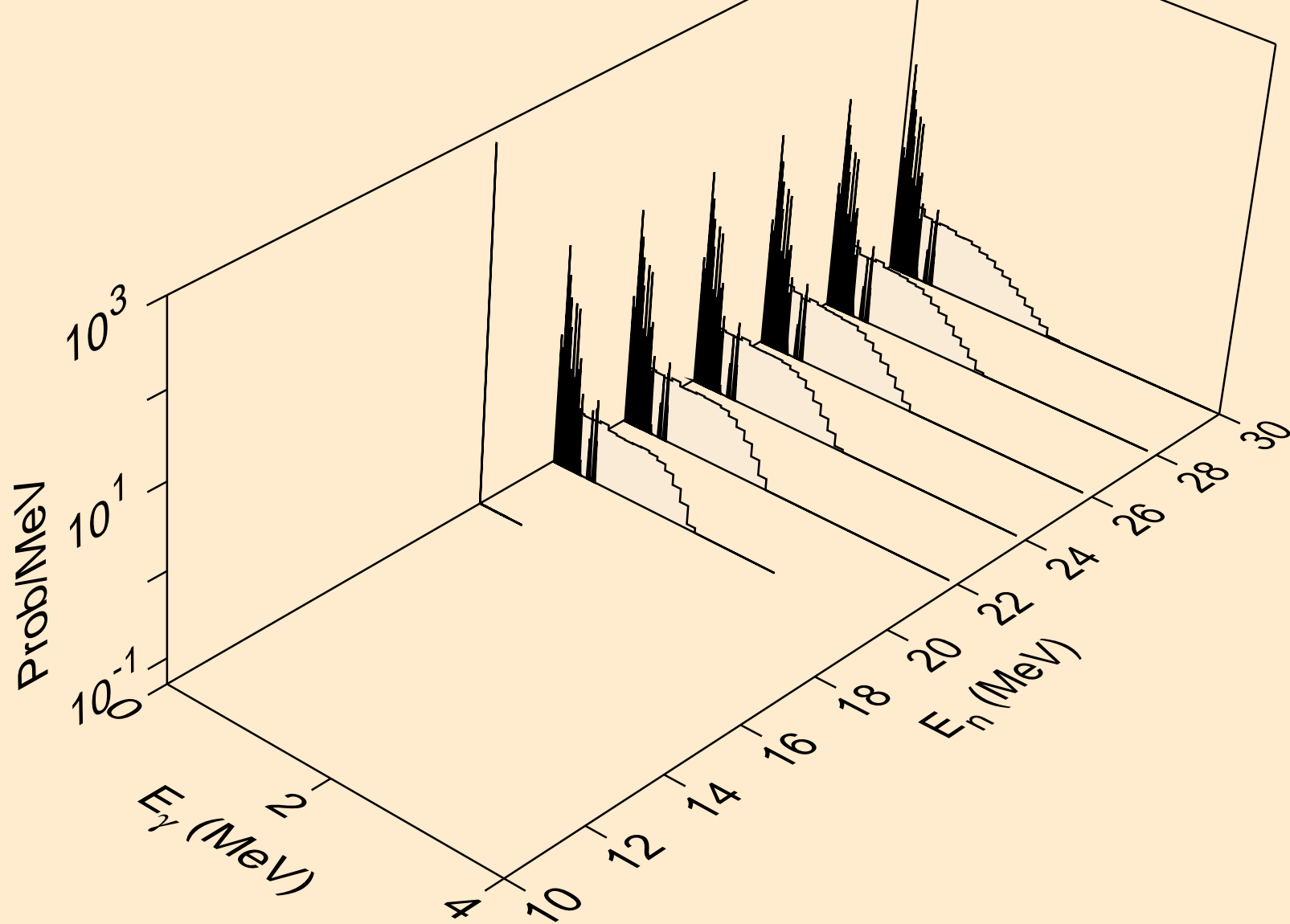
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Photon emission for (n,d)



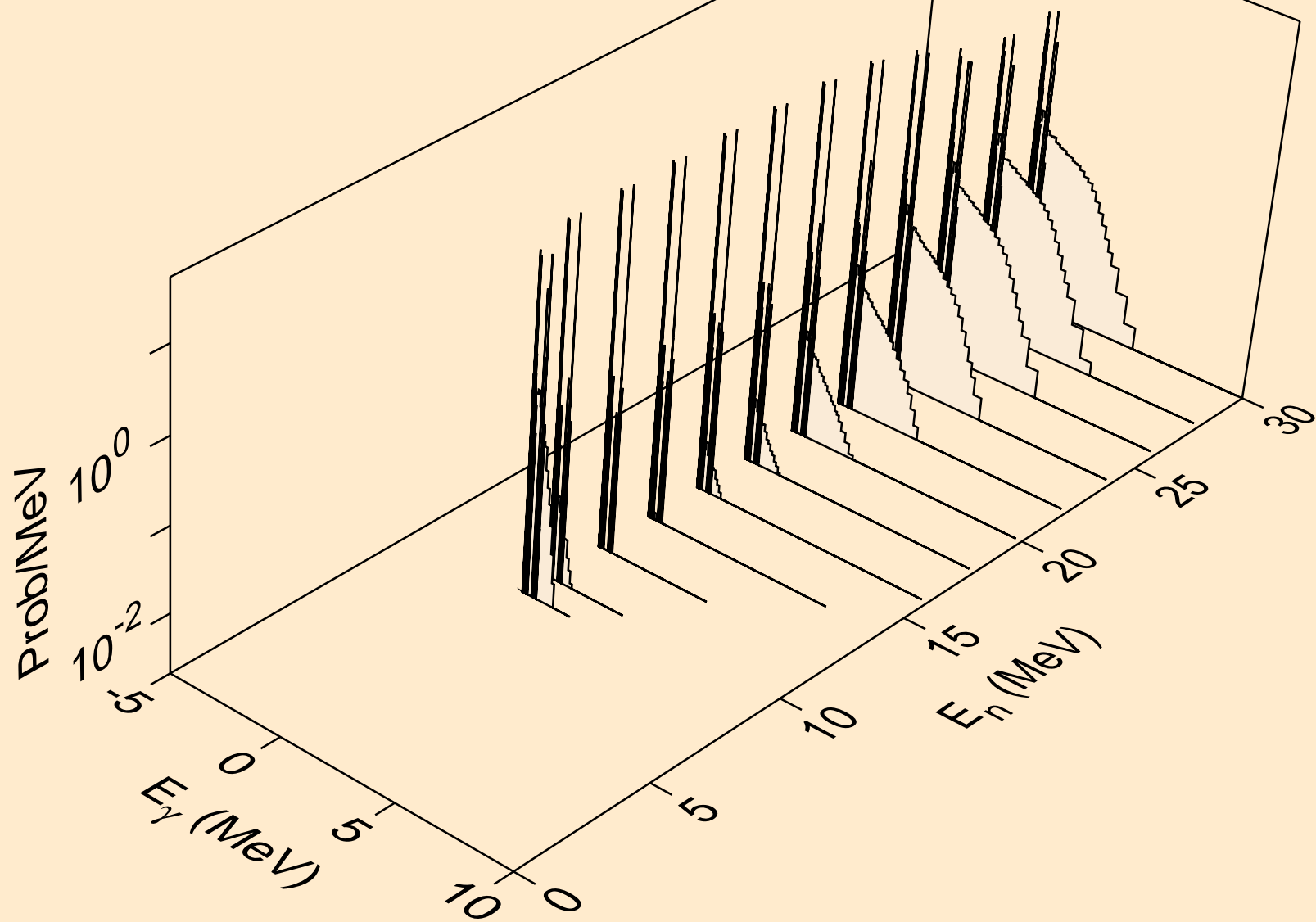
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Photon emission for (n,t)



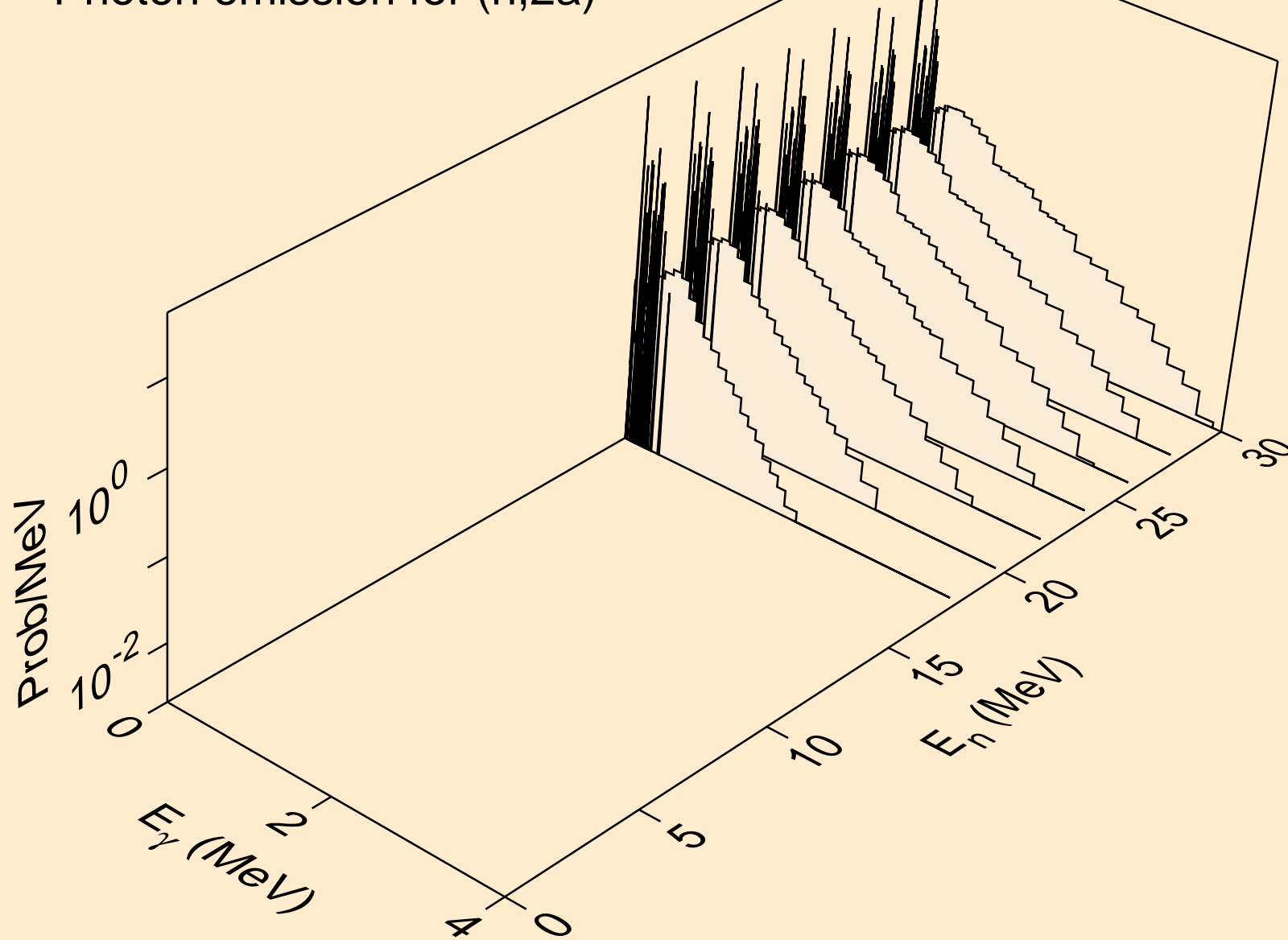
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Photon emission for (n,he3)



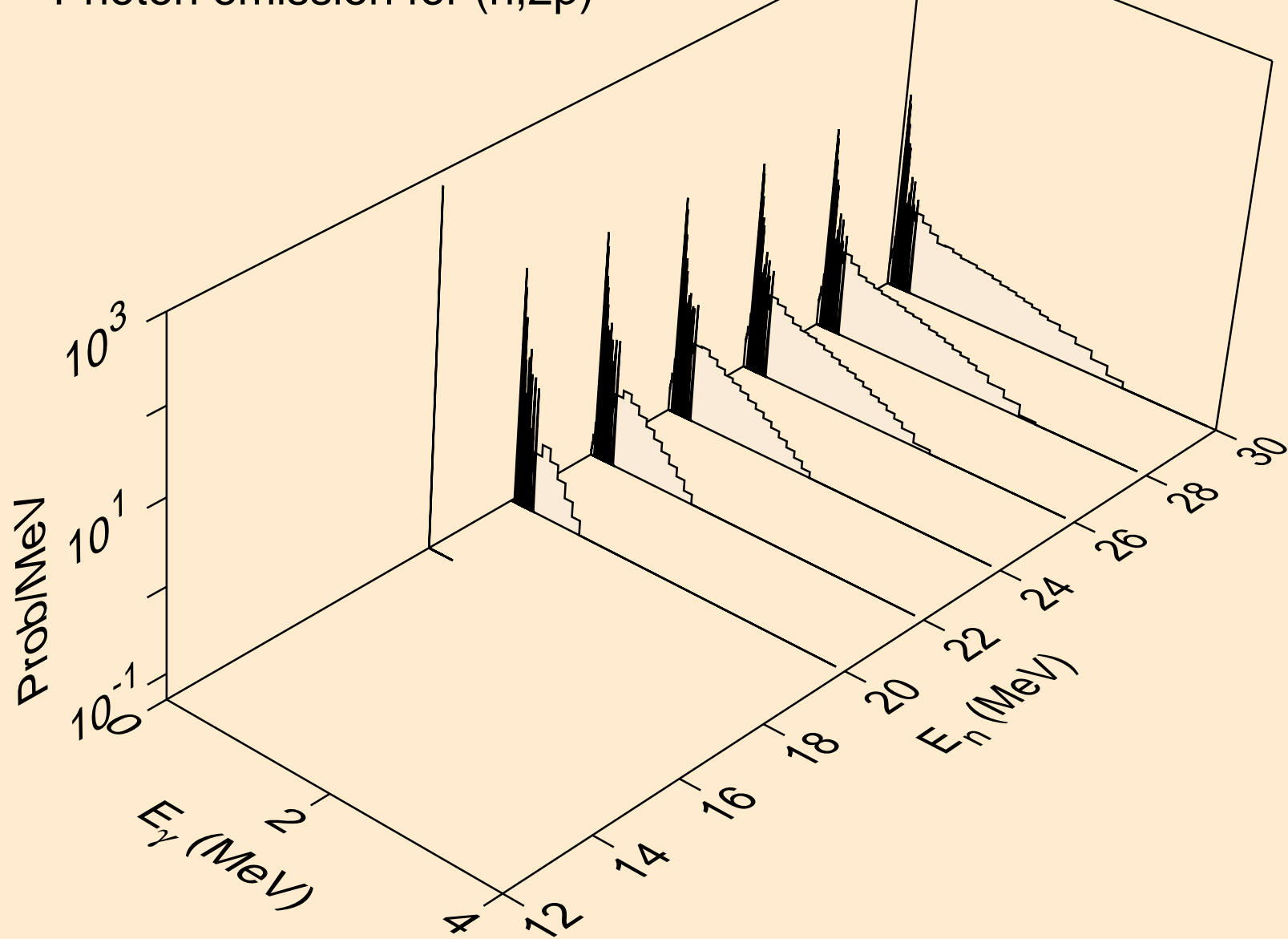
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



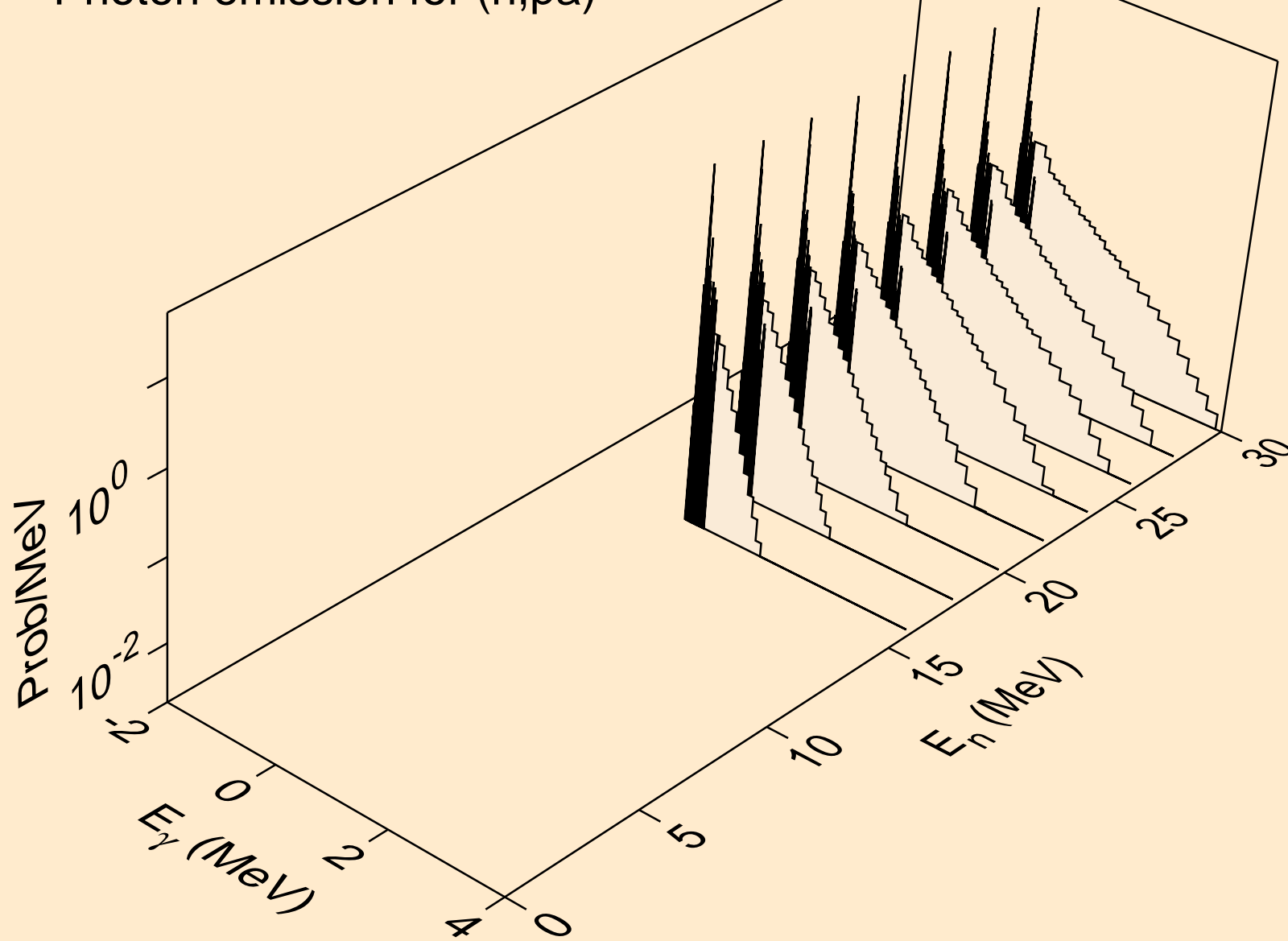
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



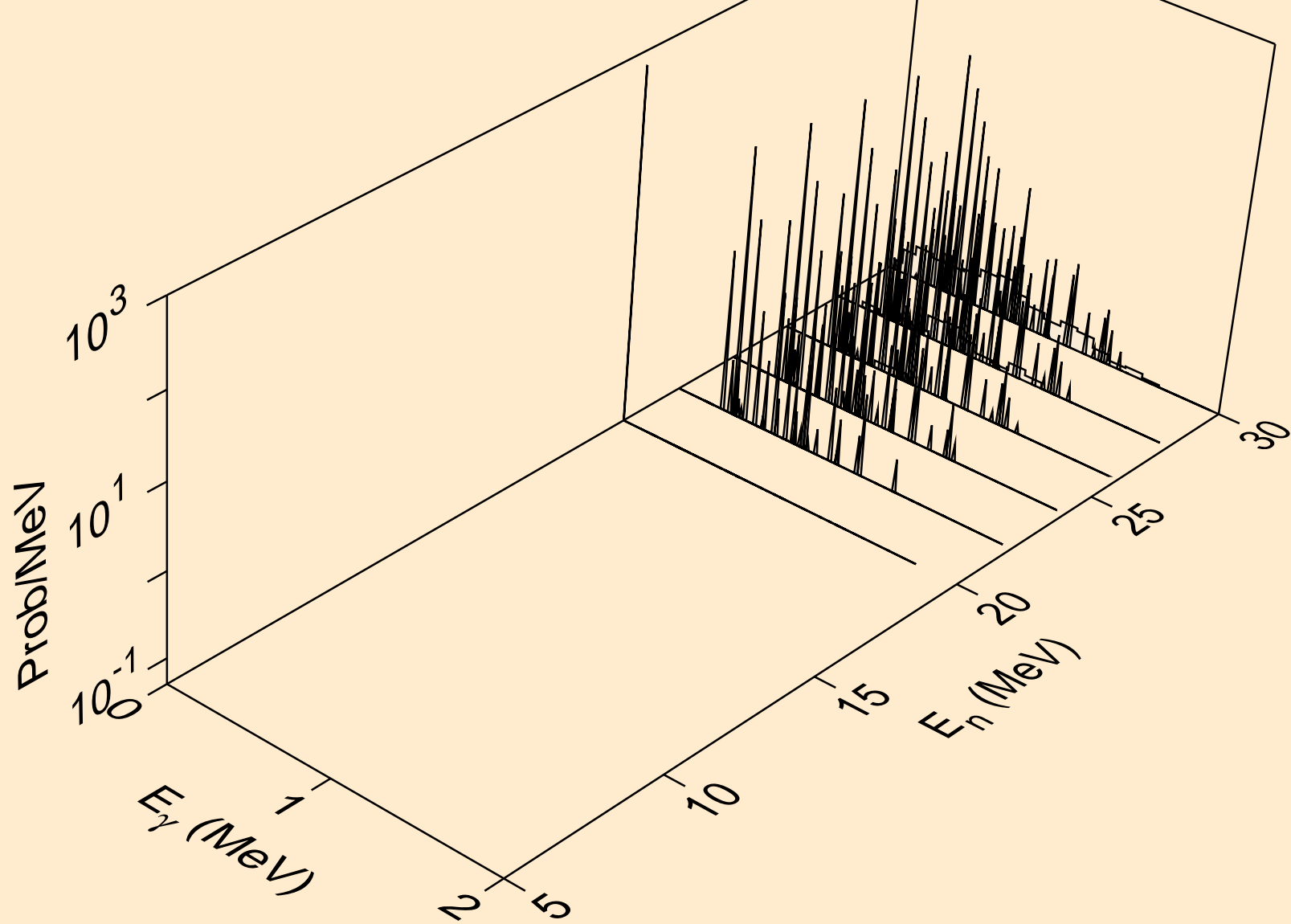
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )

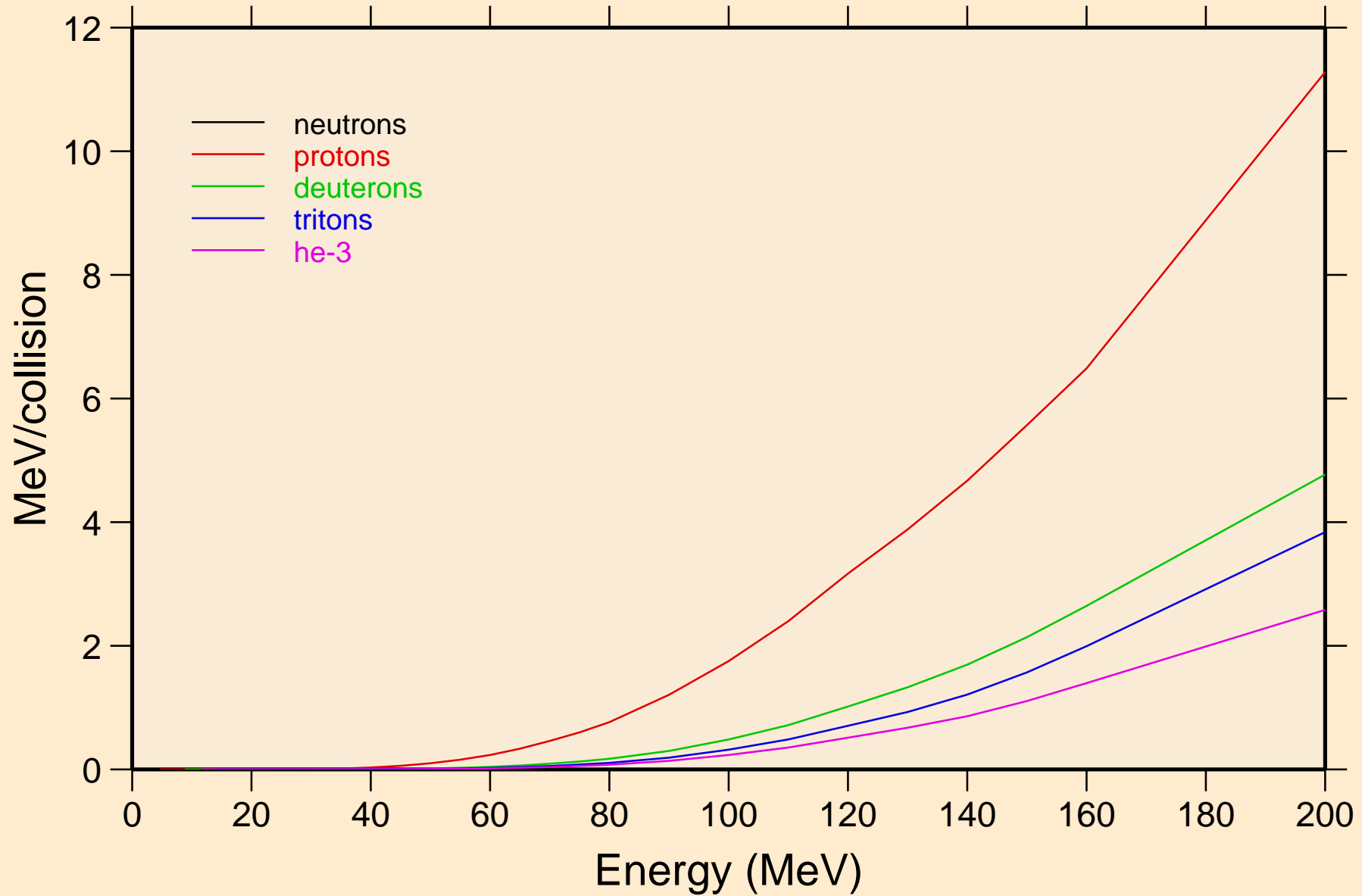


TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

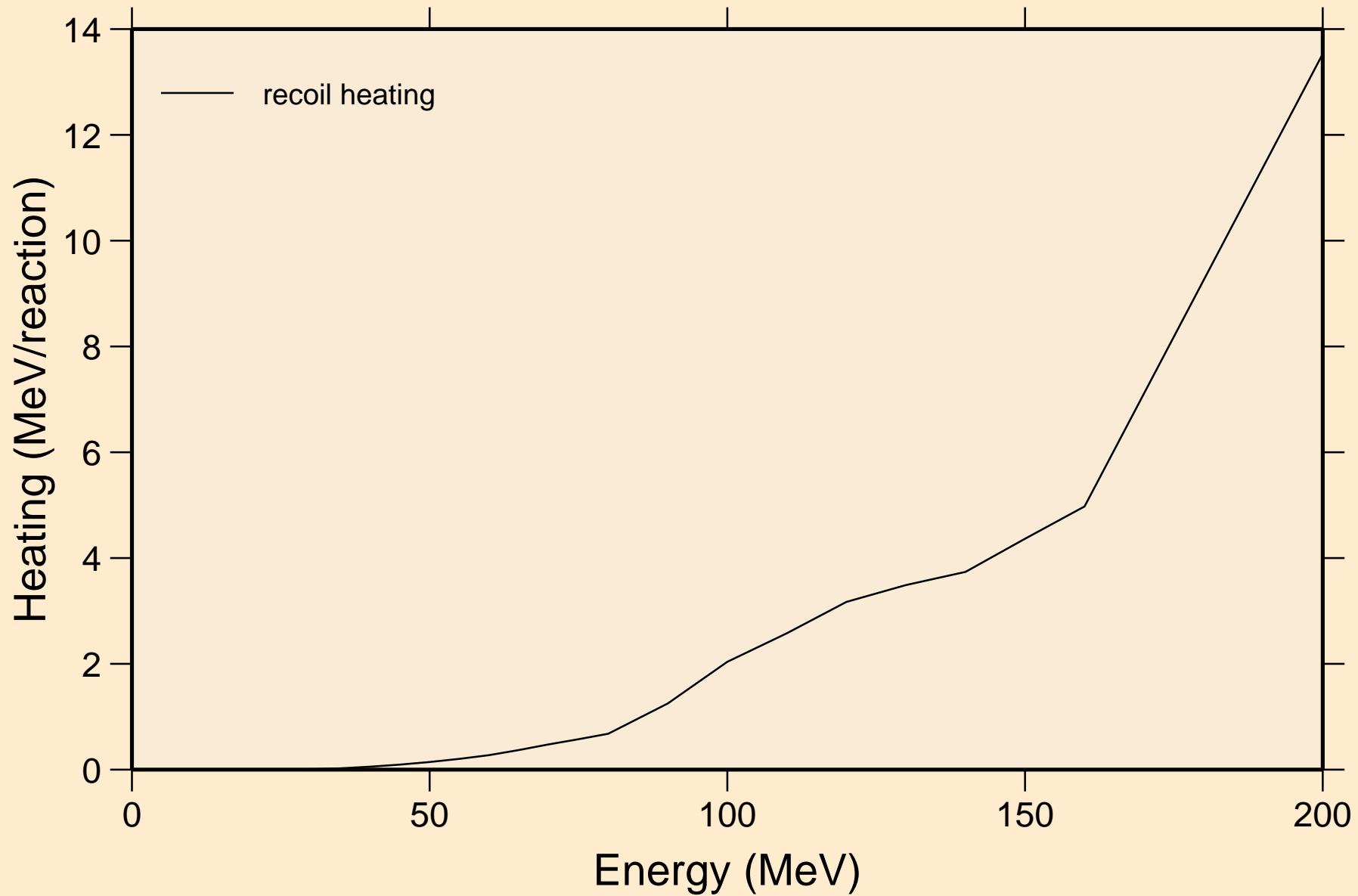




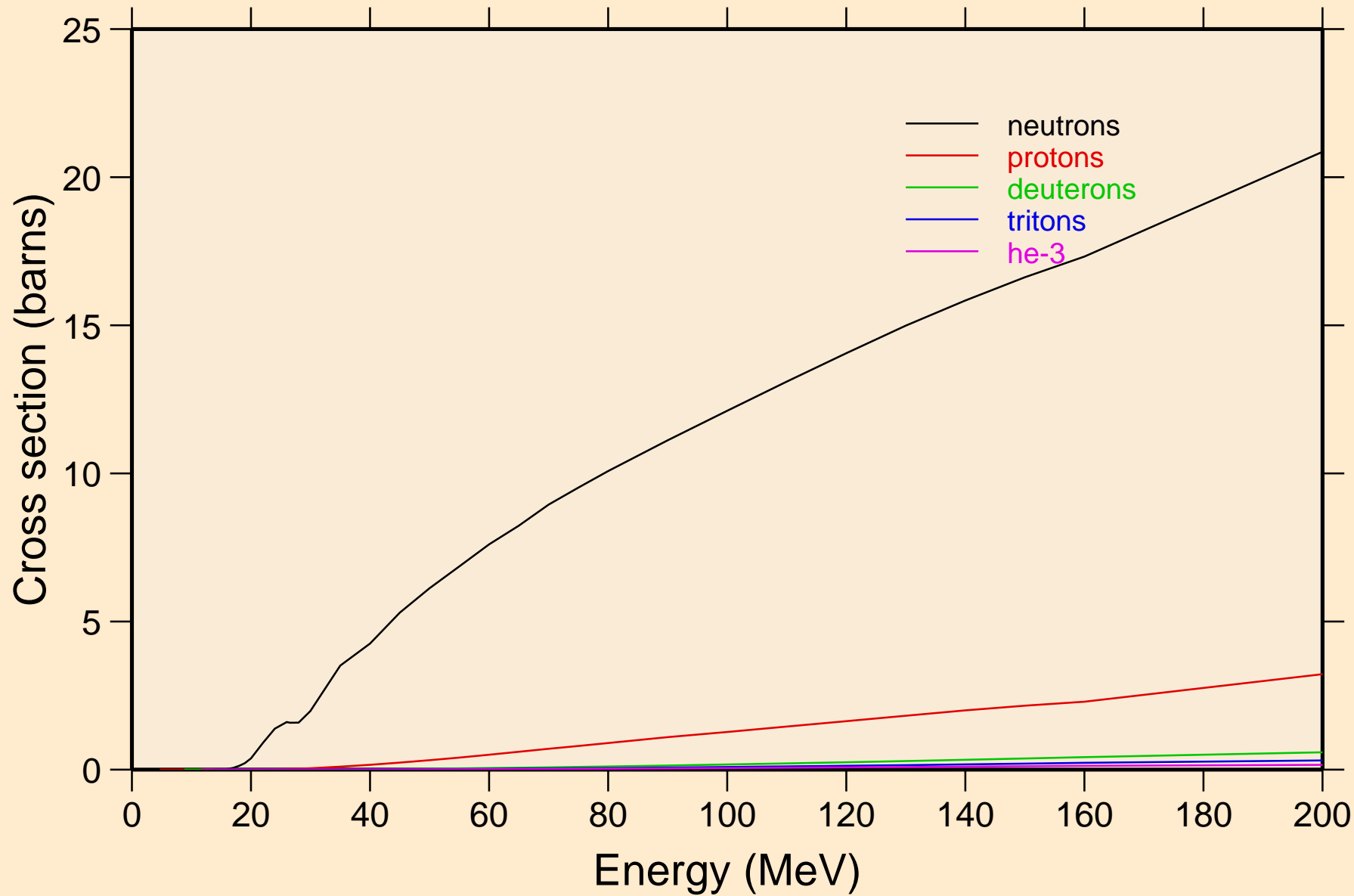
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Particle heating contributions



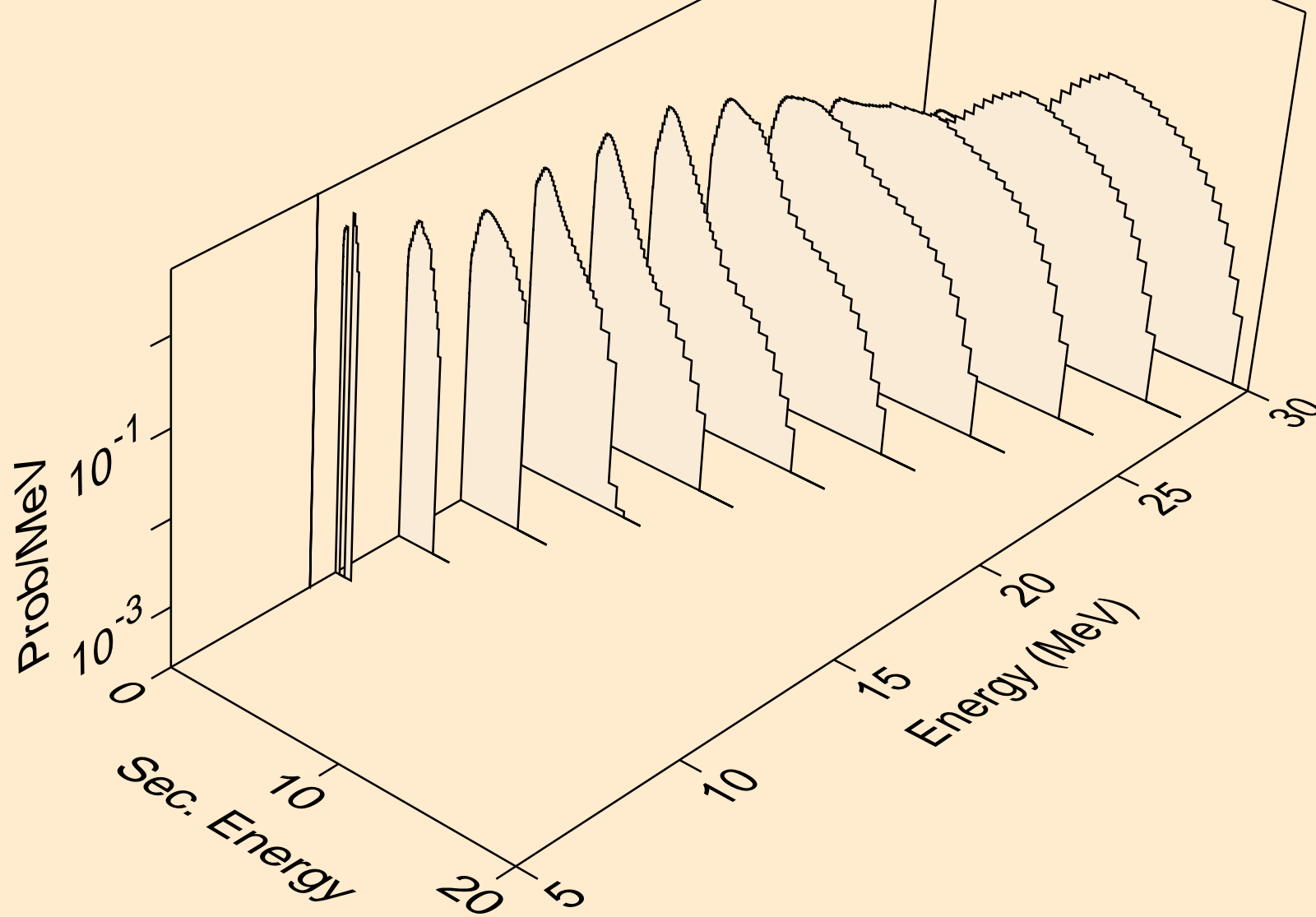
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



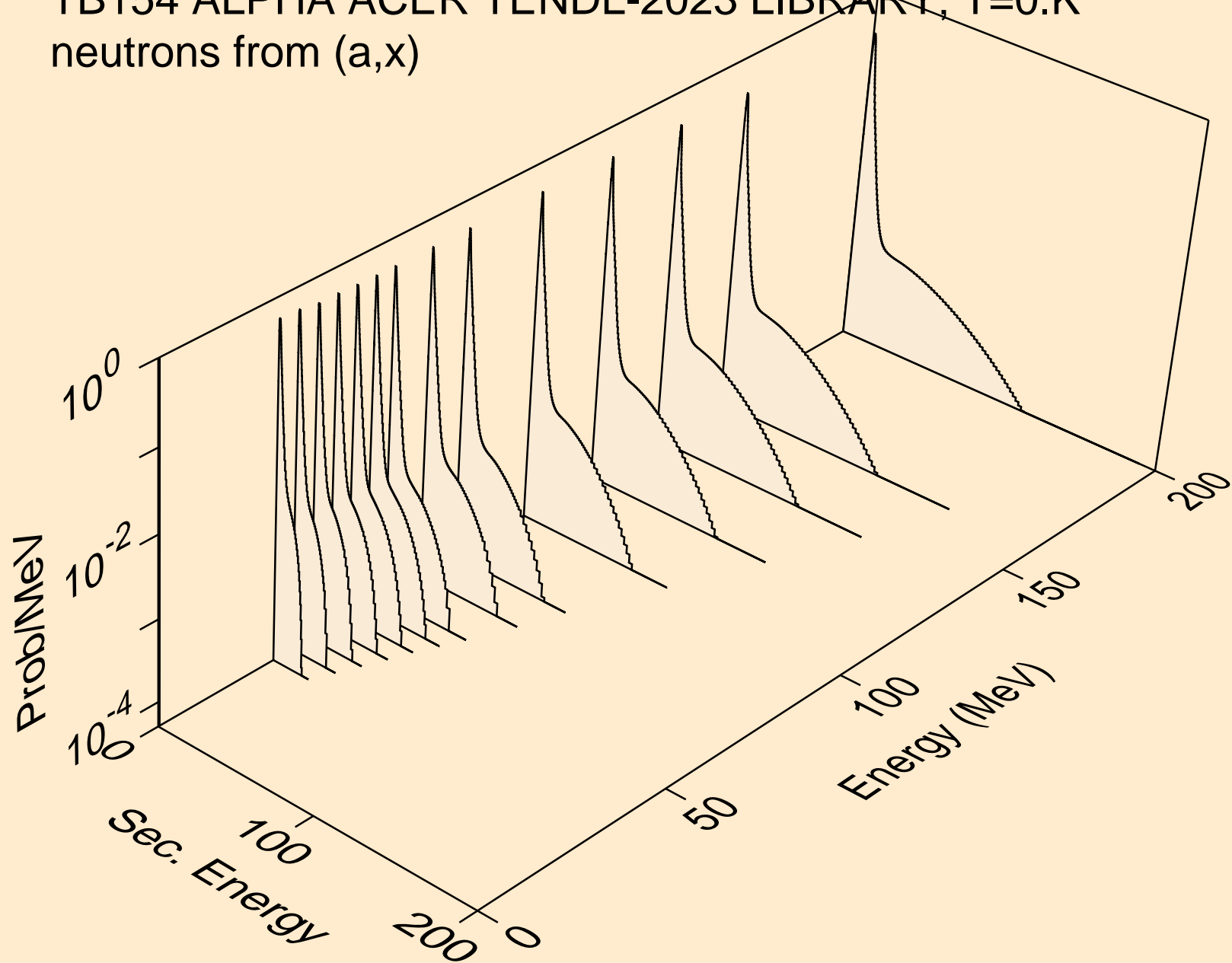
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



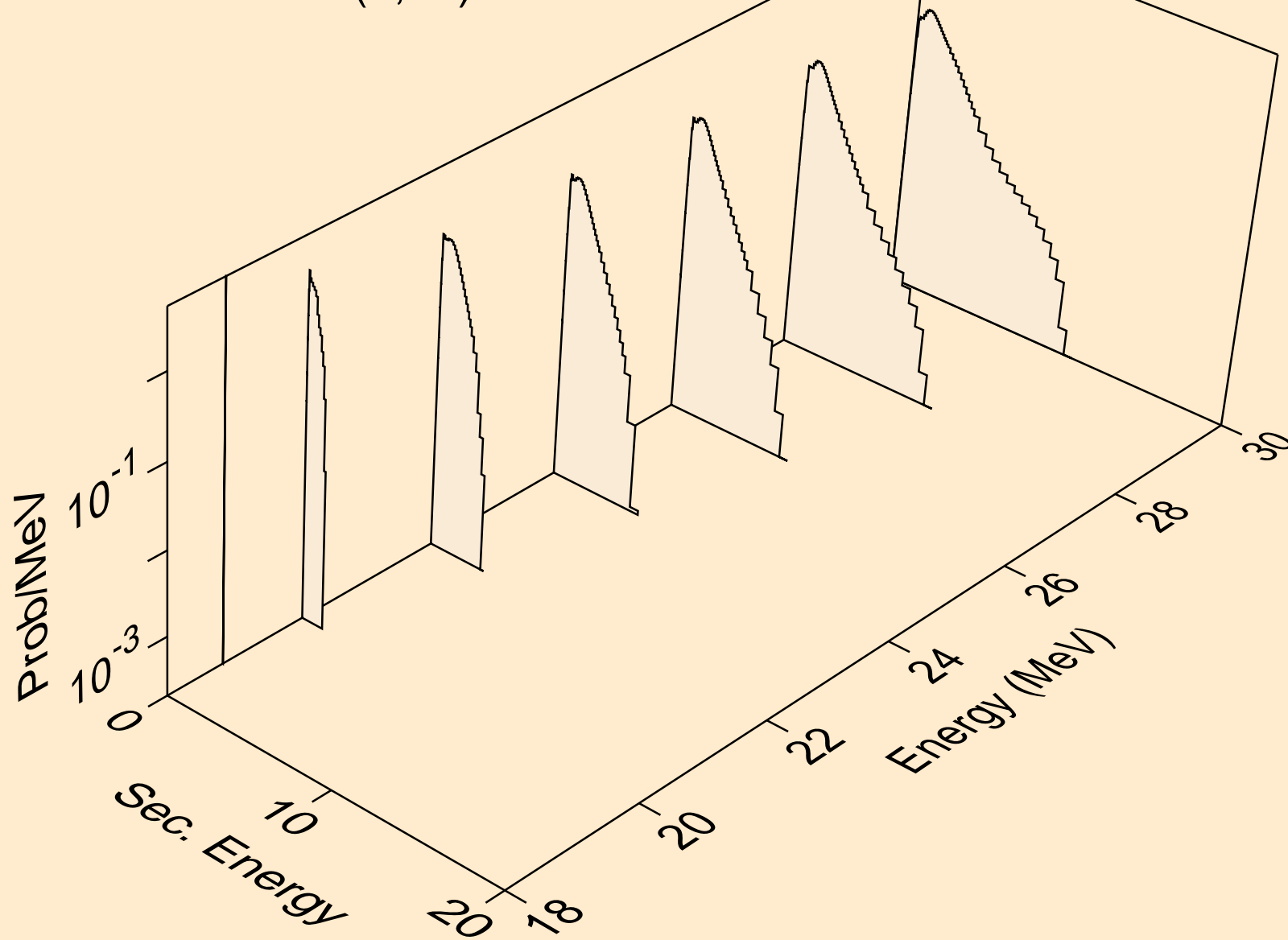
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n)



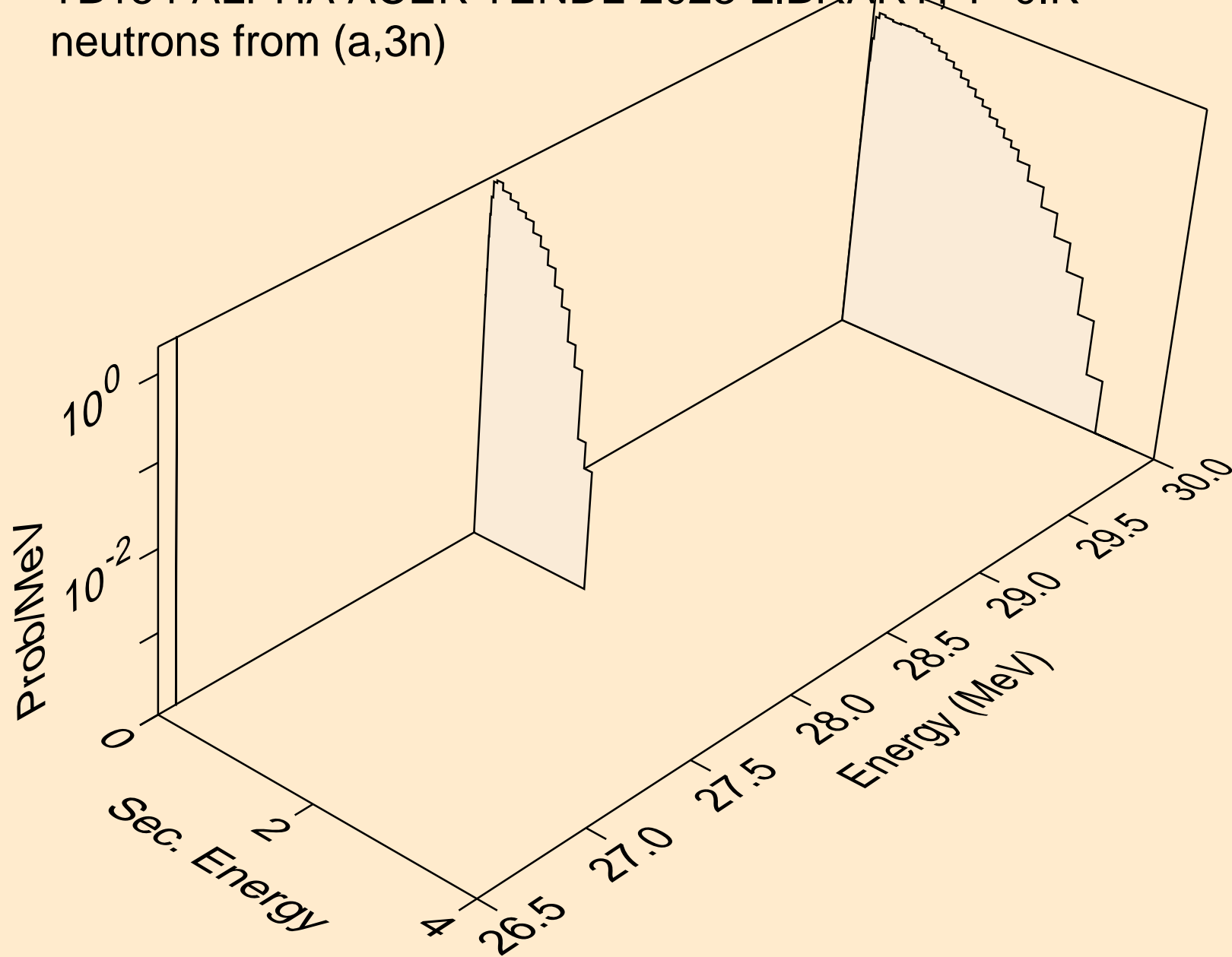
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neutrons from (a,x)



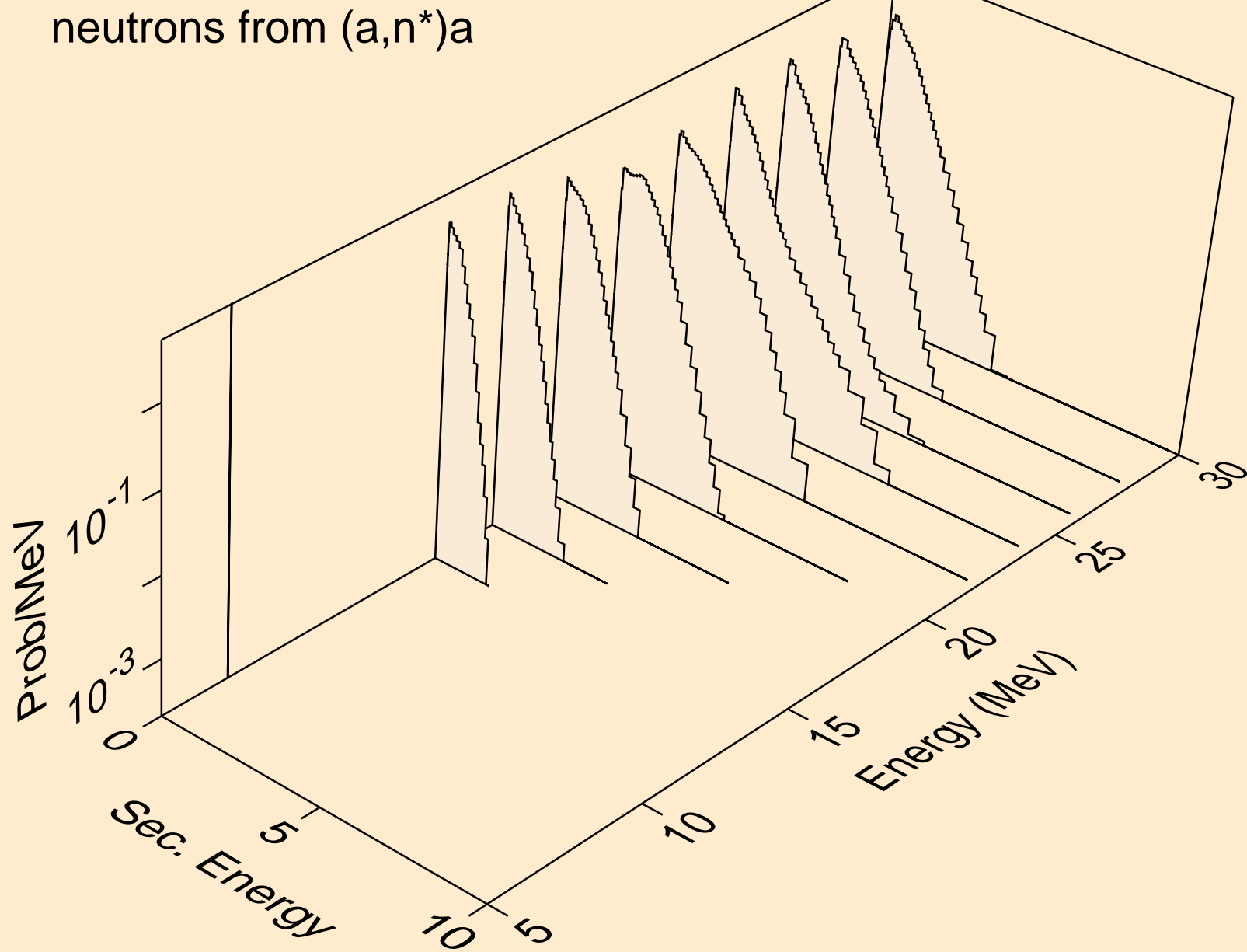
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2n)



TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,3n)

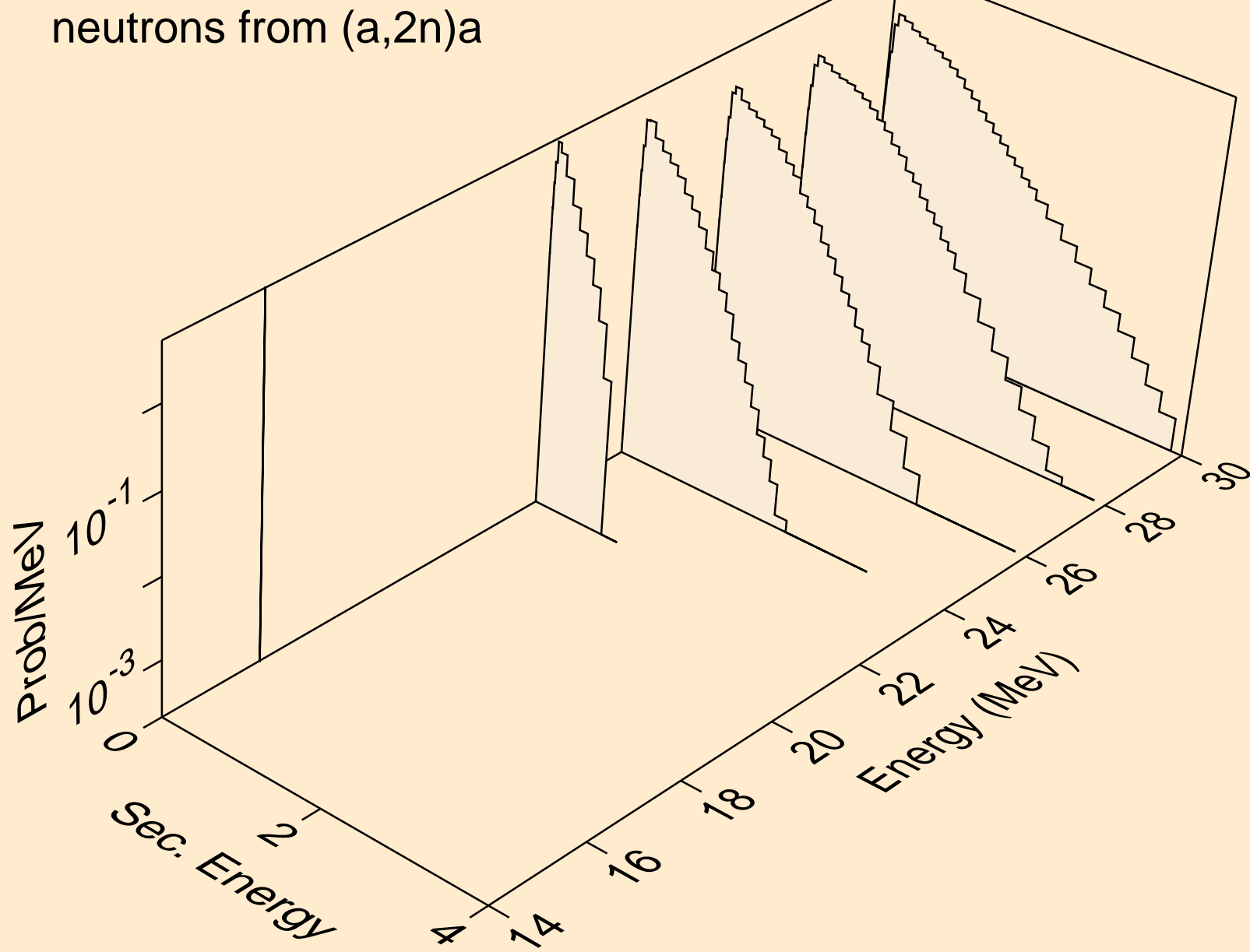


TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)a

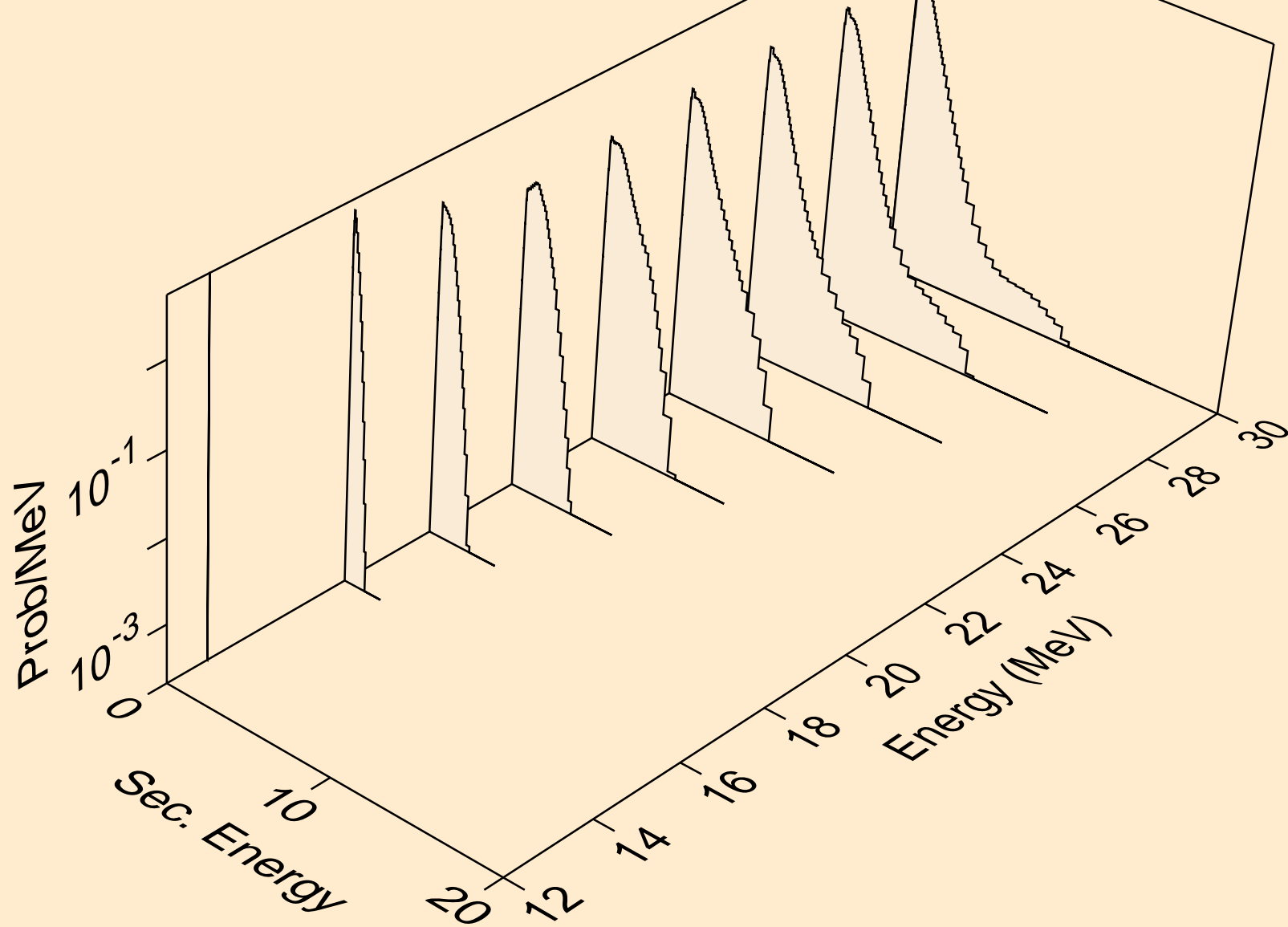




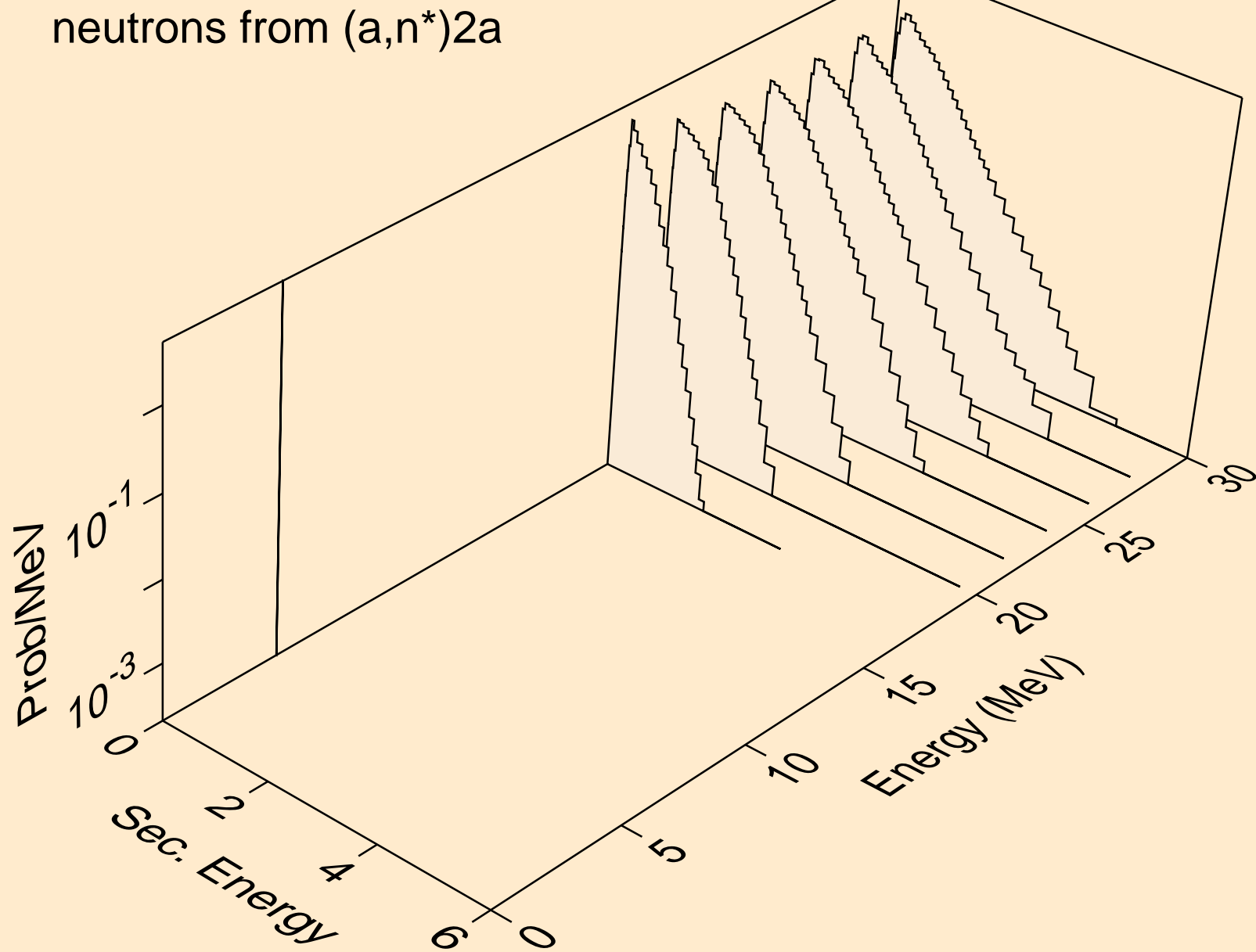
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2n)a



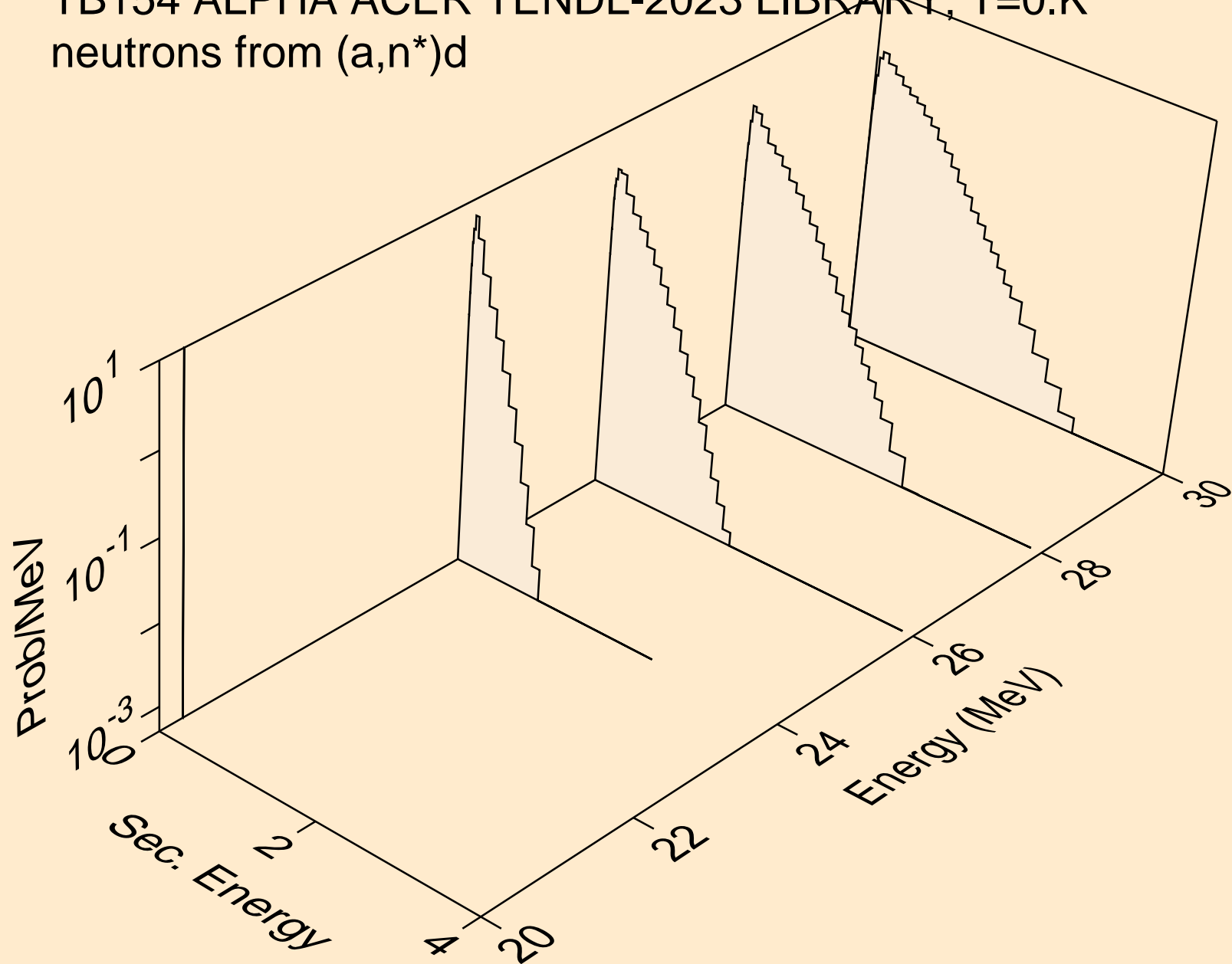
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neutrons from (a,n\*)p



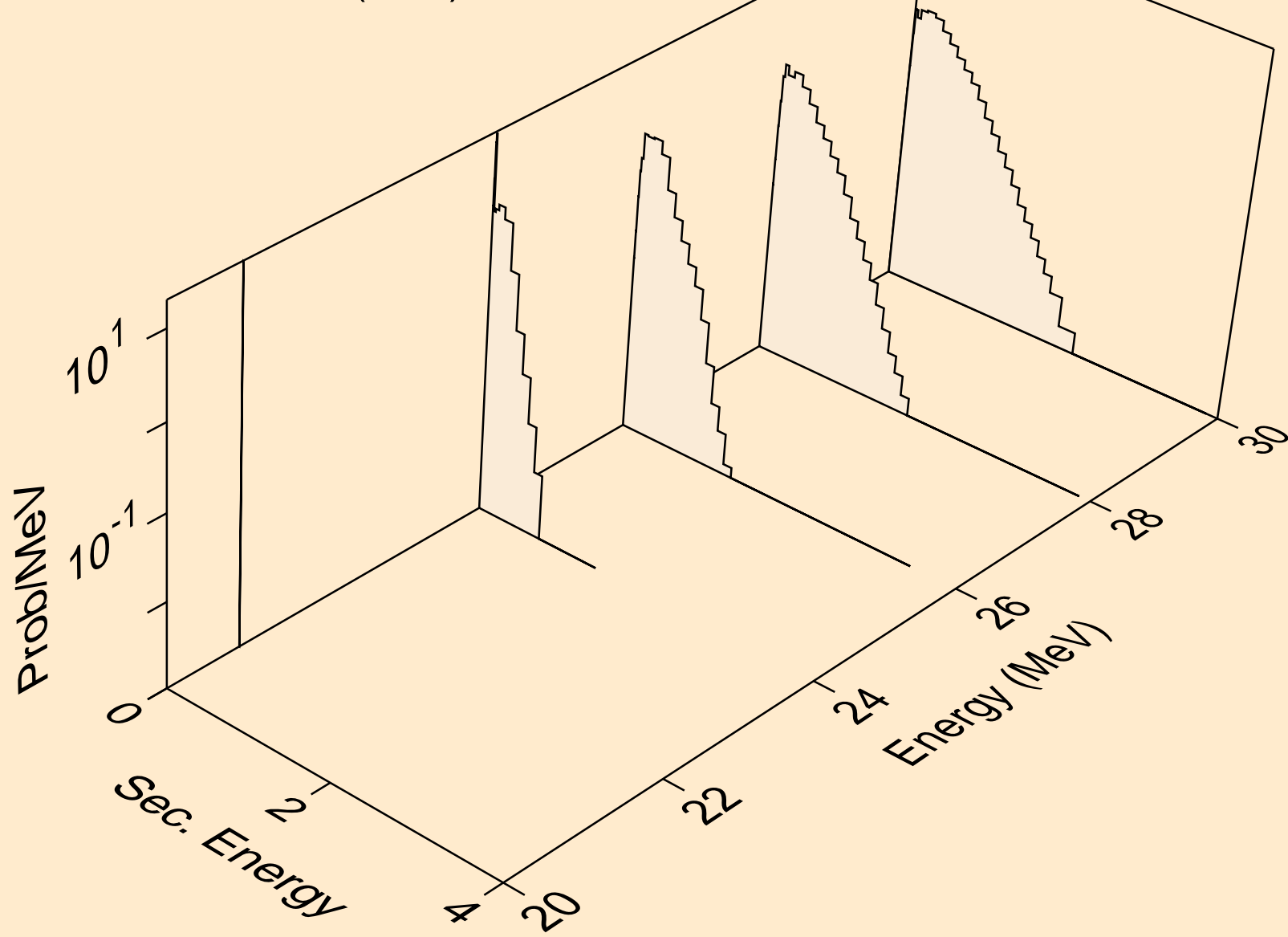
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)2a



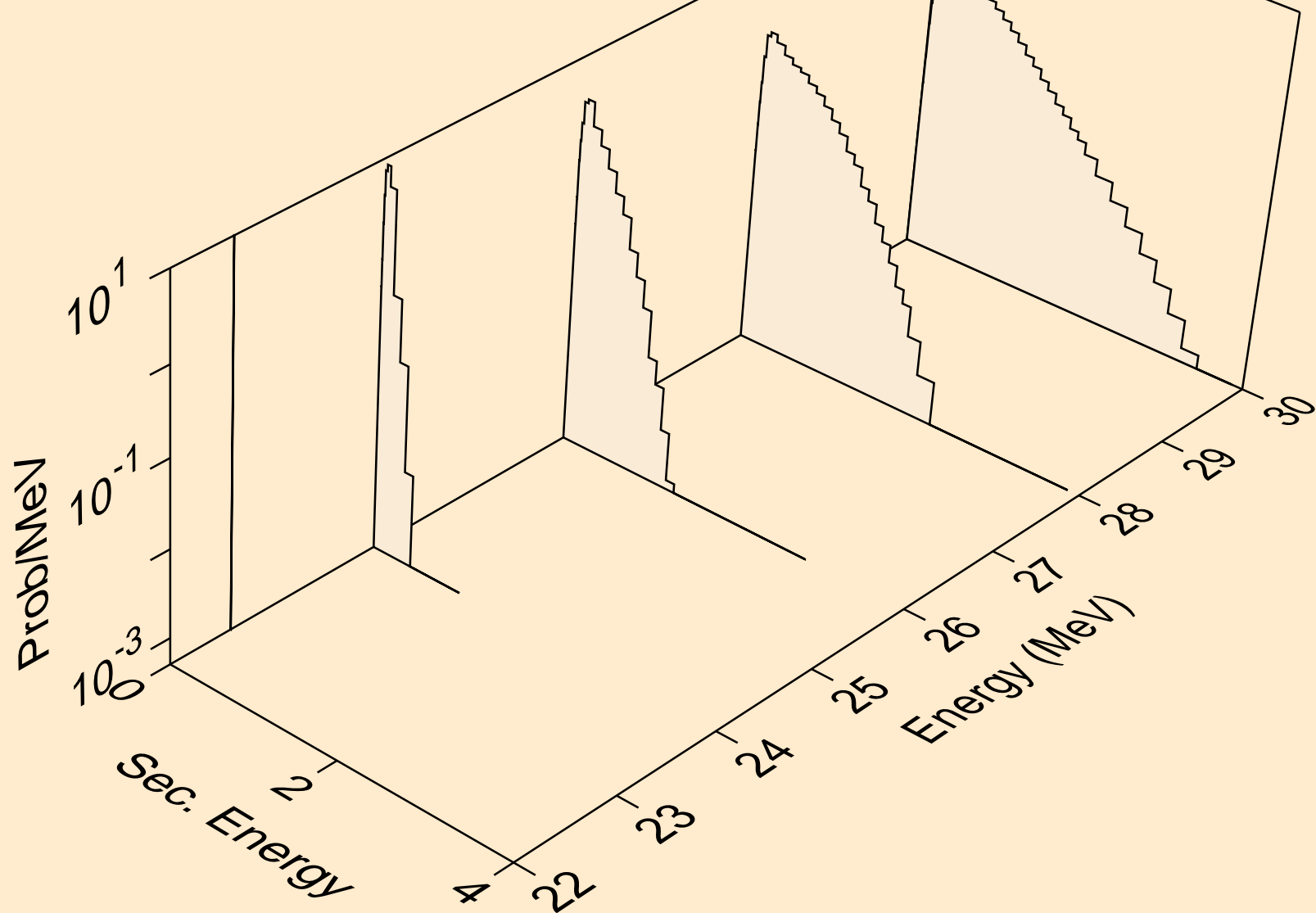
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)d



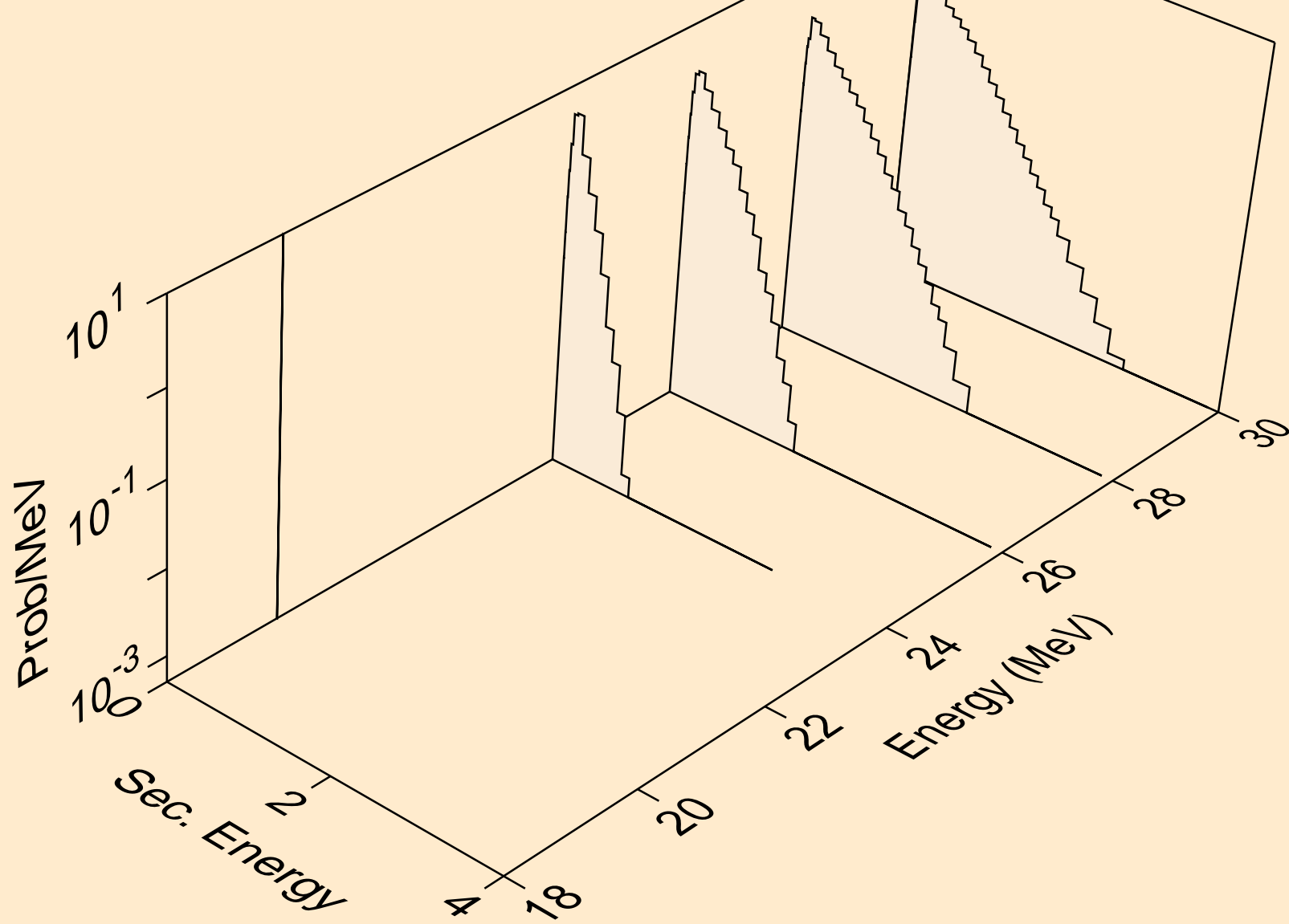
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neutrons from (a,n\*)t



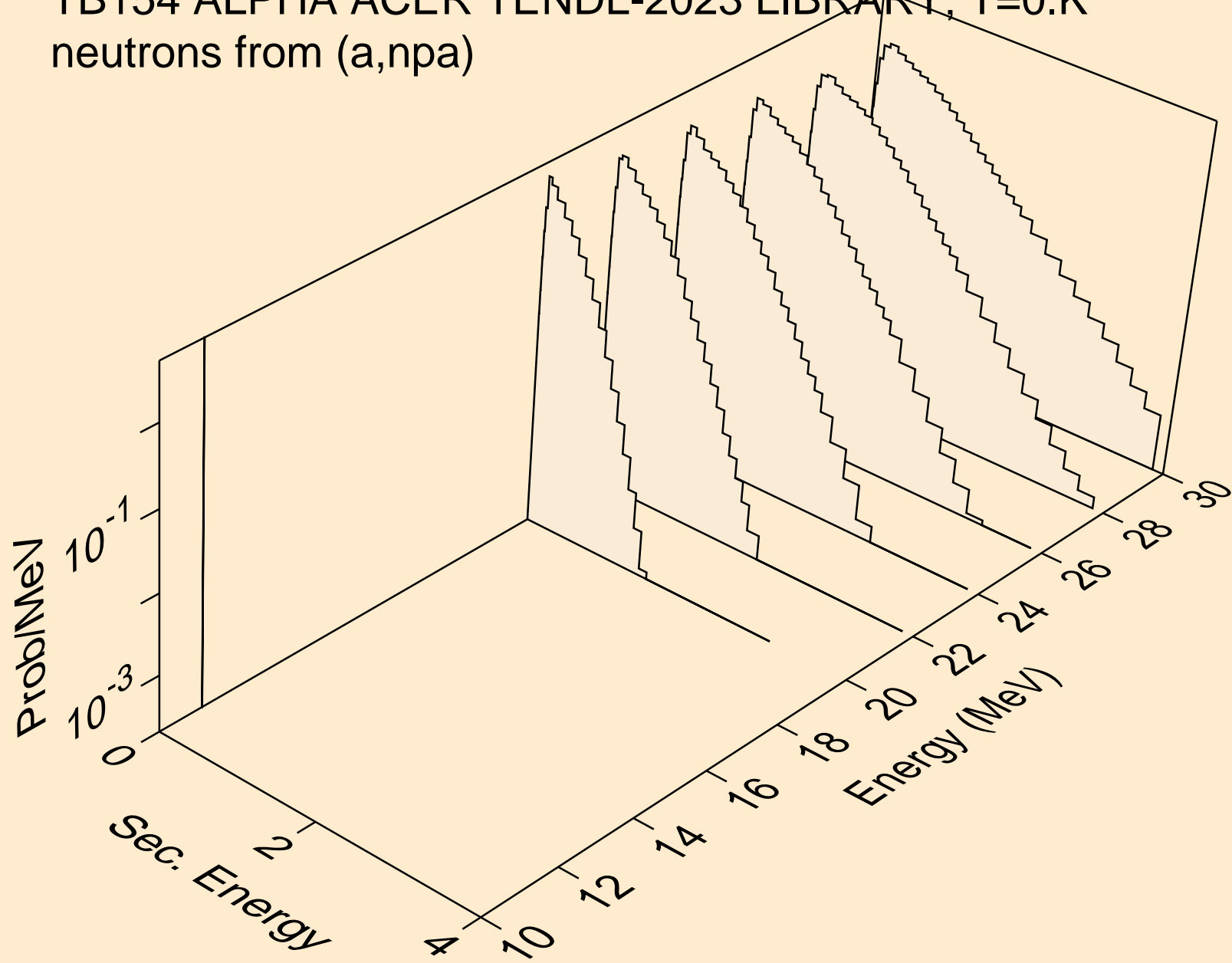
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2np)



TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n2p)

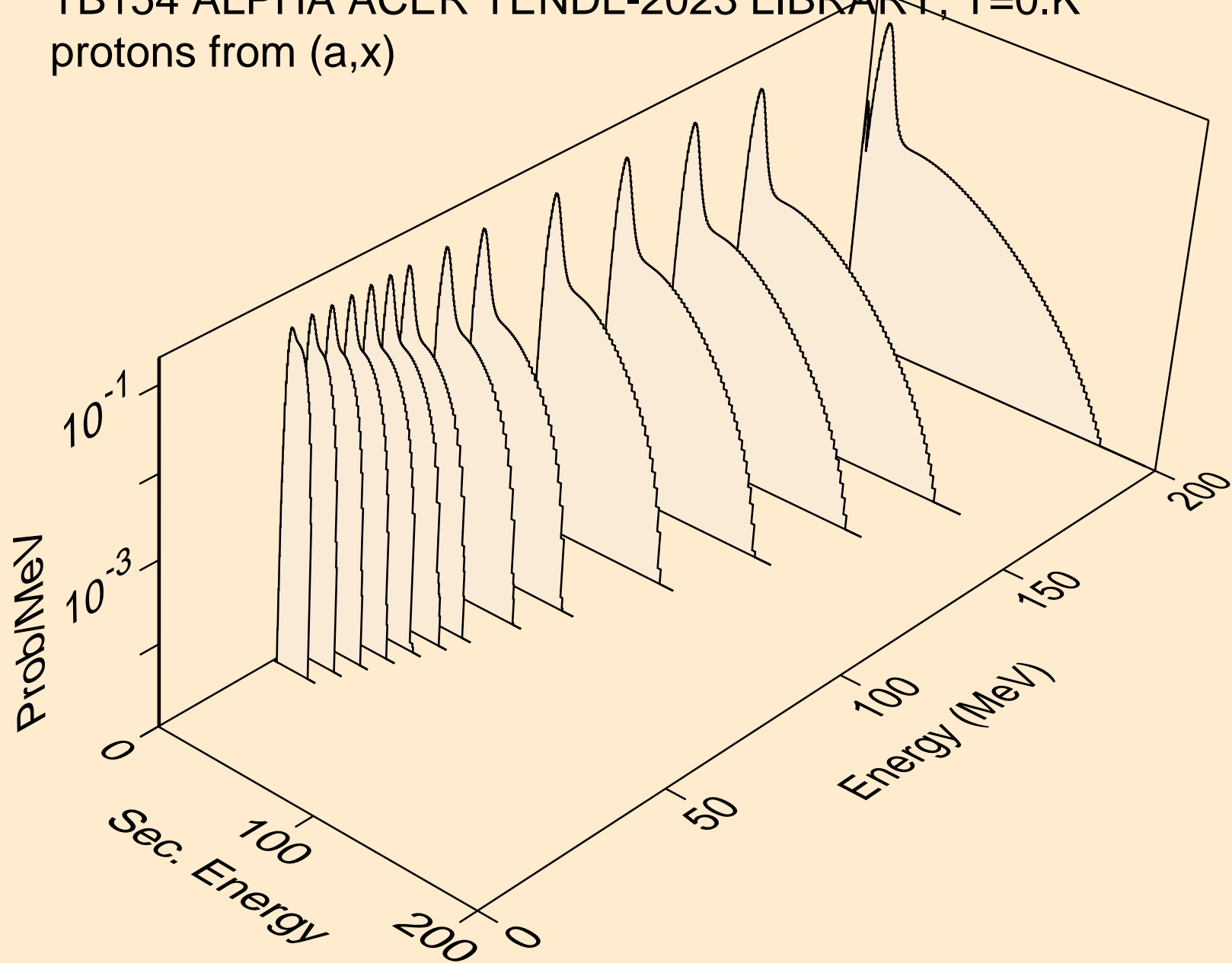


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neutrons from (a,npa)

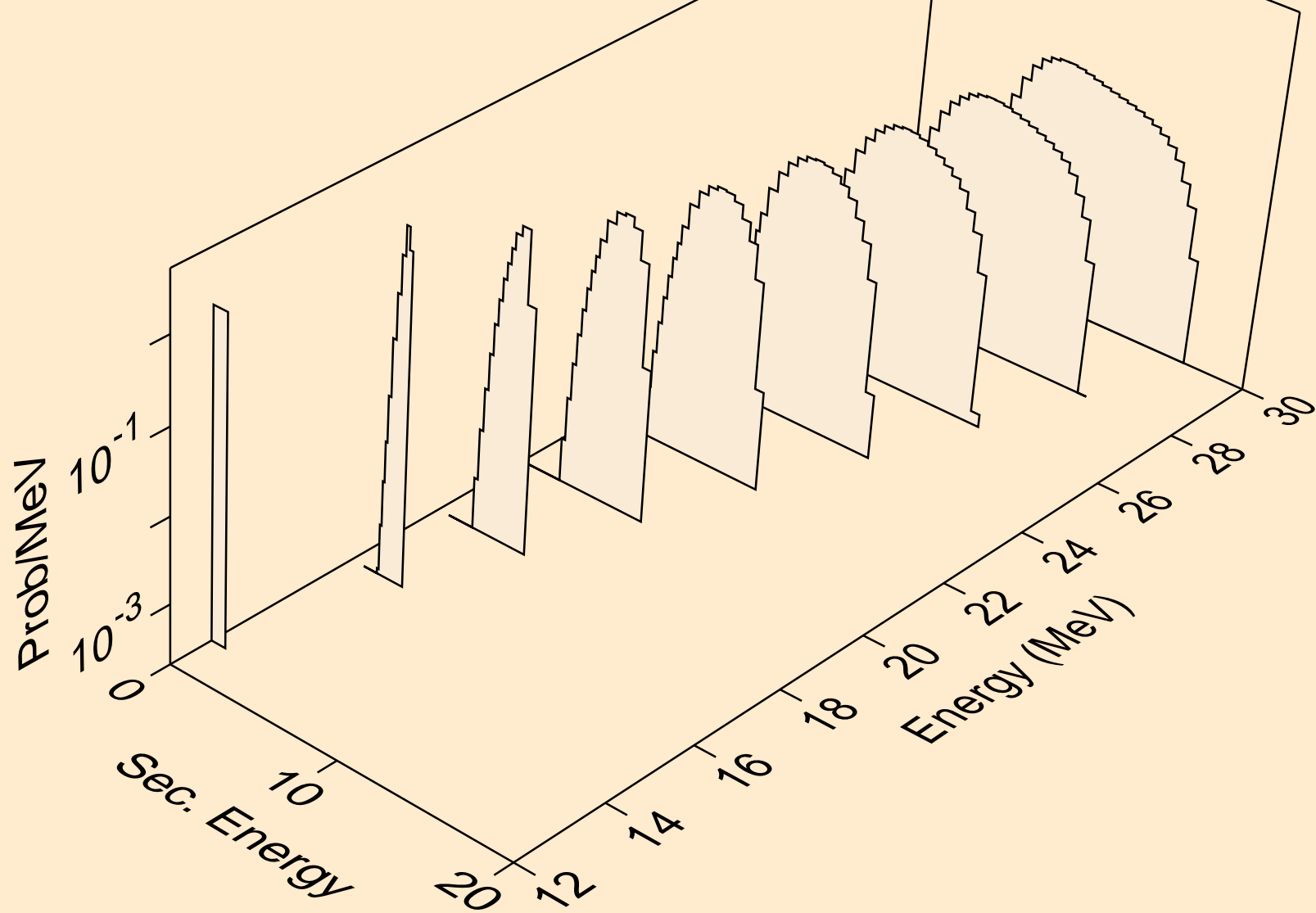




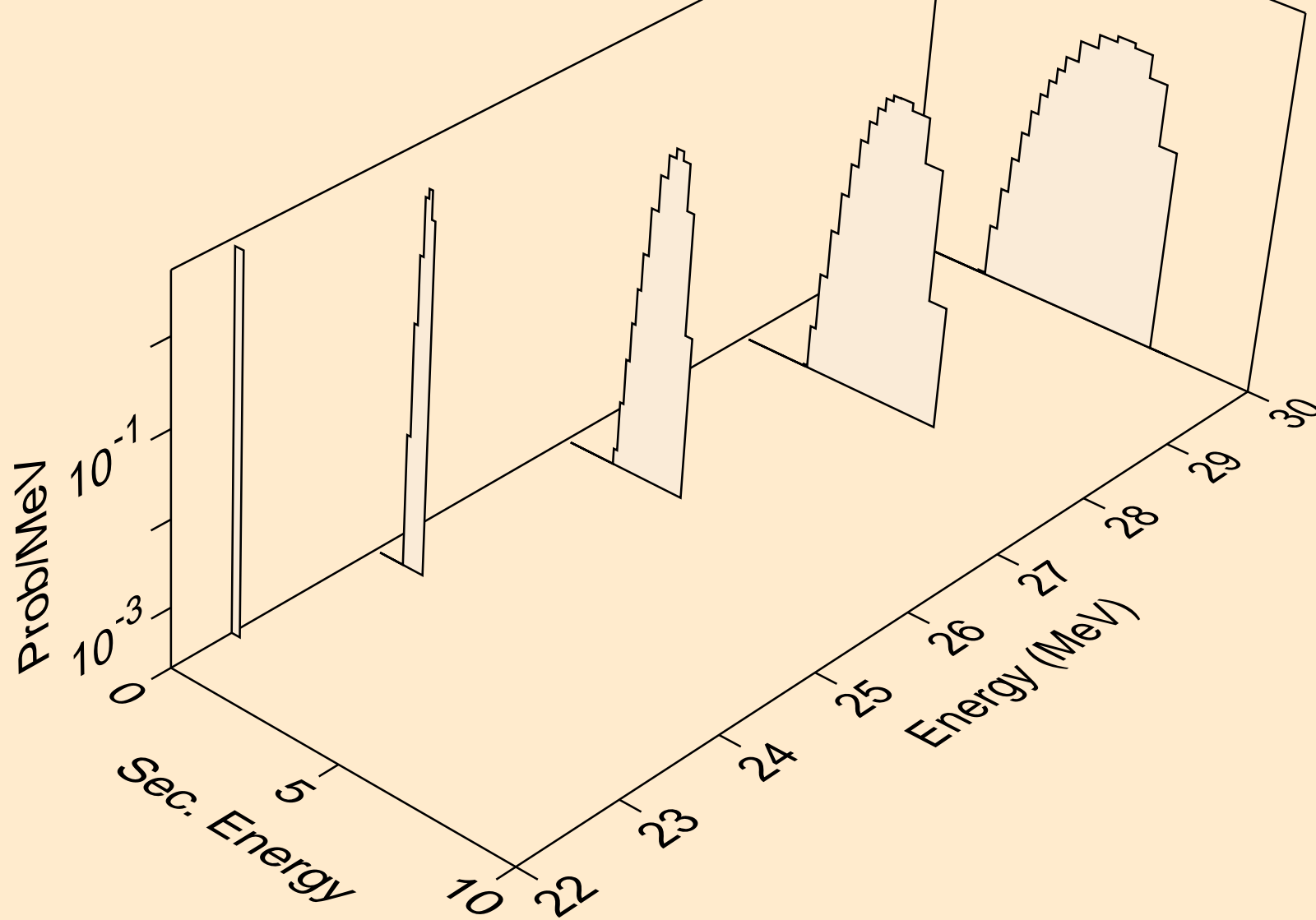
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,x)



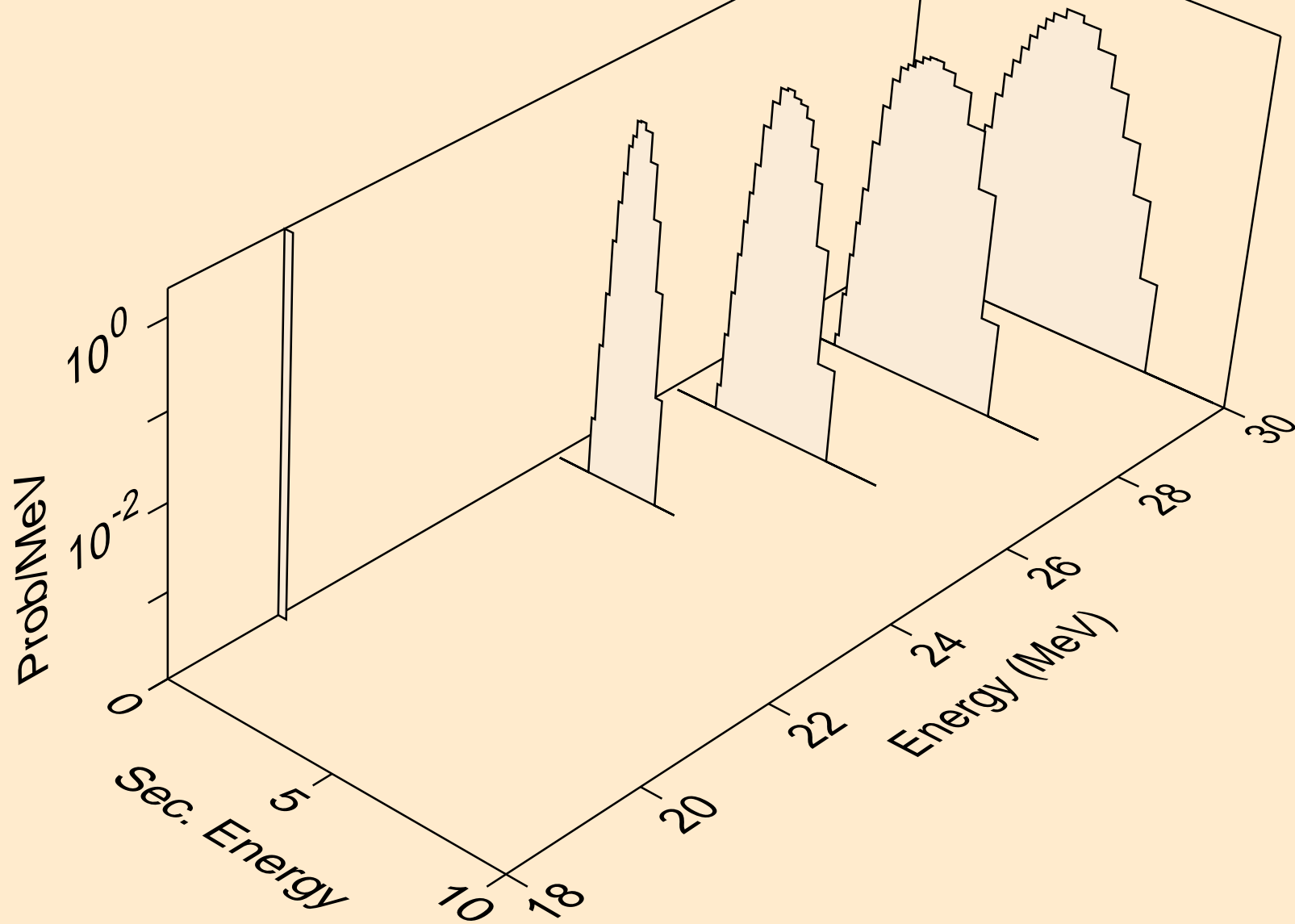
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protons from (a,n\*)p



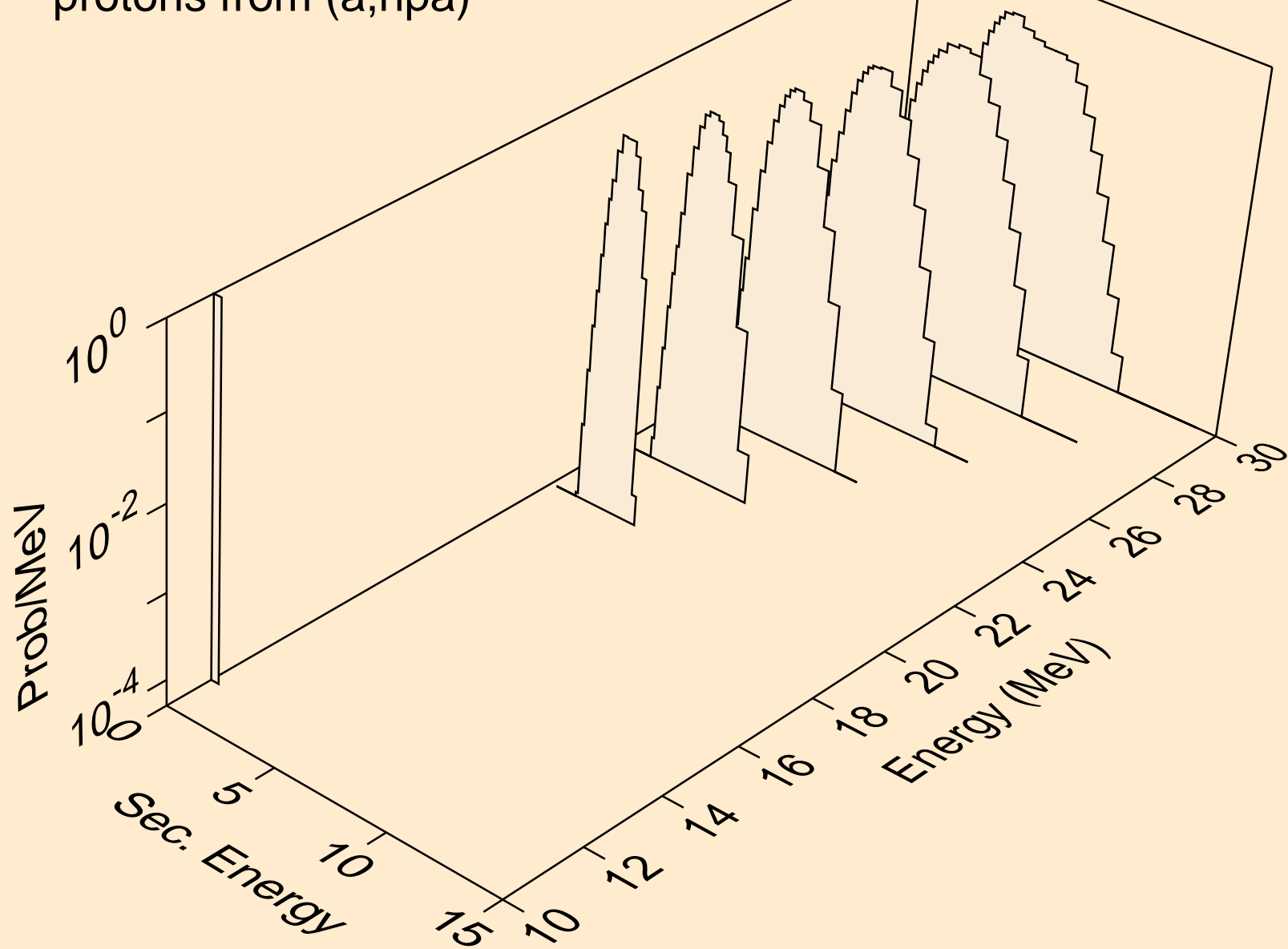
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protons from (a,2np)



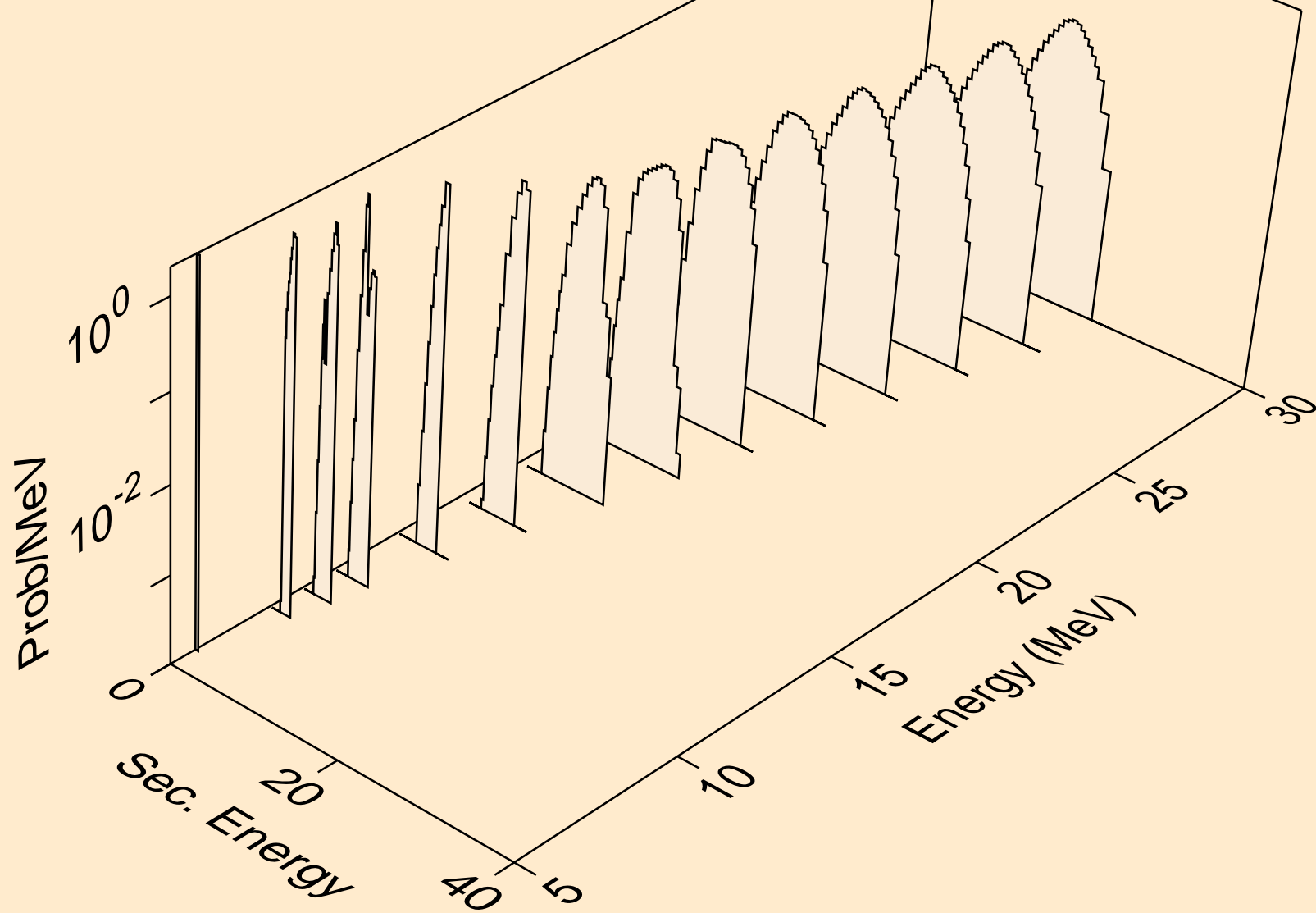
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protons from (a,n2p)



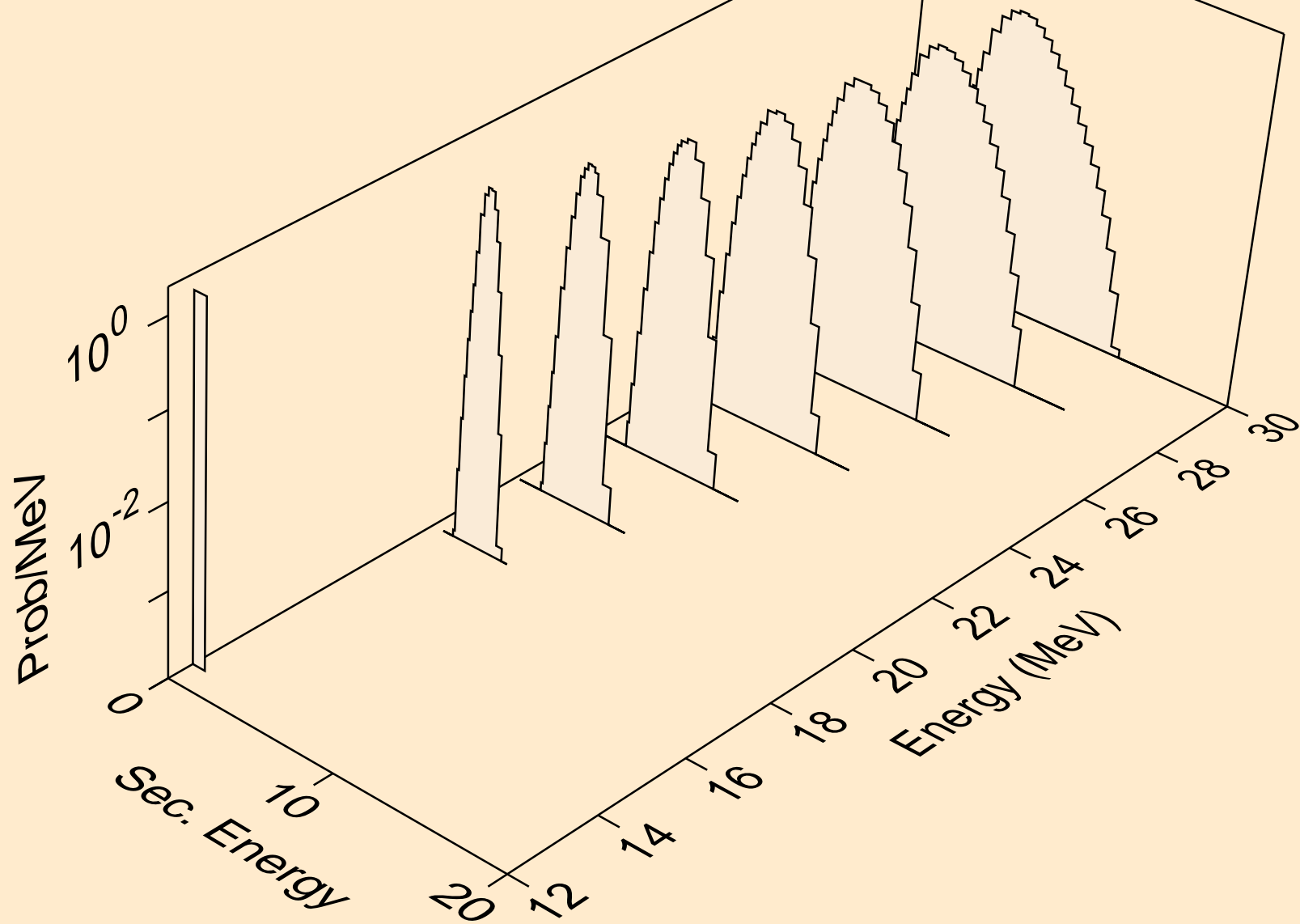
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protons from (a,npa)



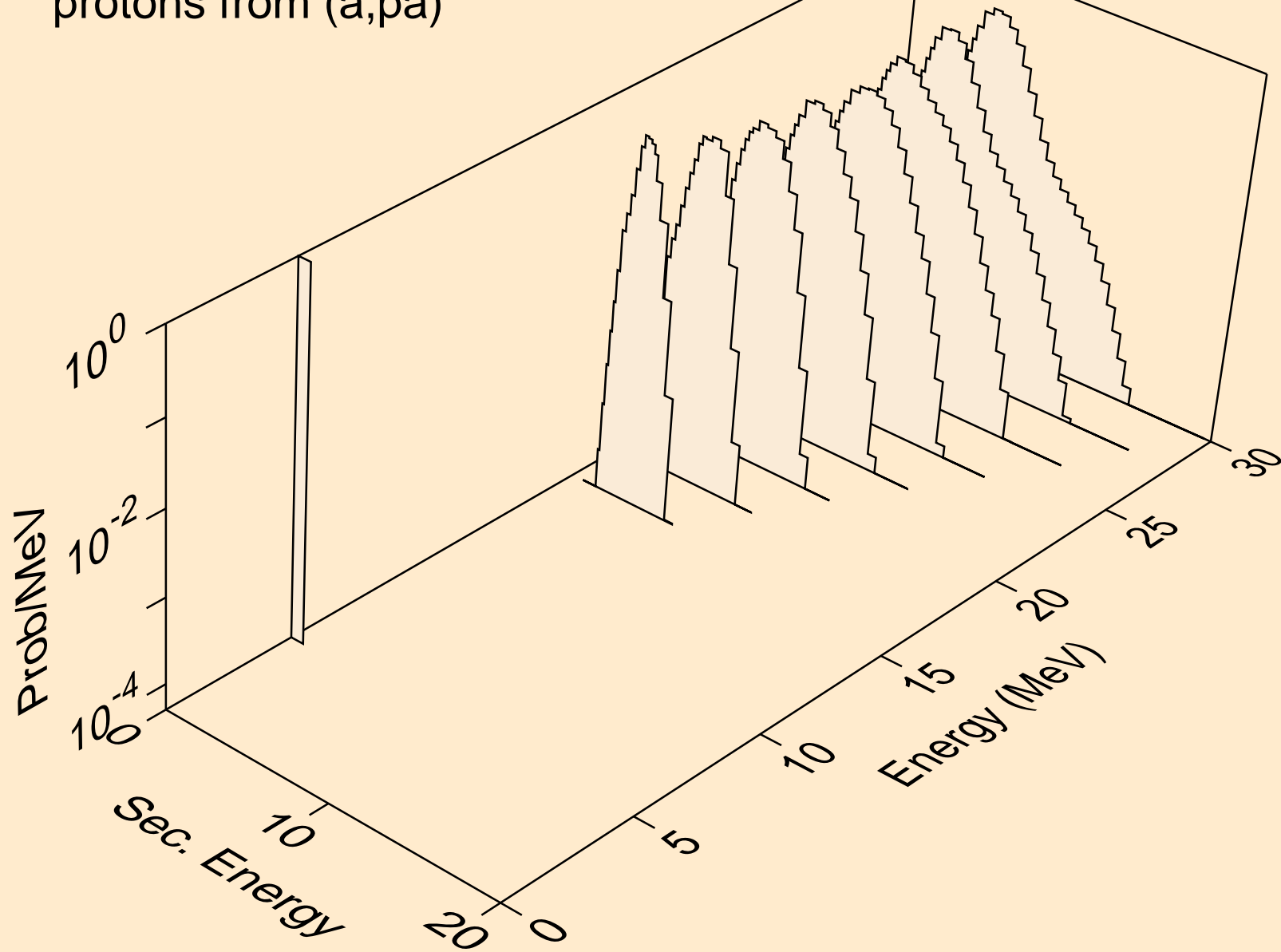
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,p)



TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
protons from (a,2p)

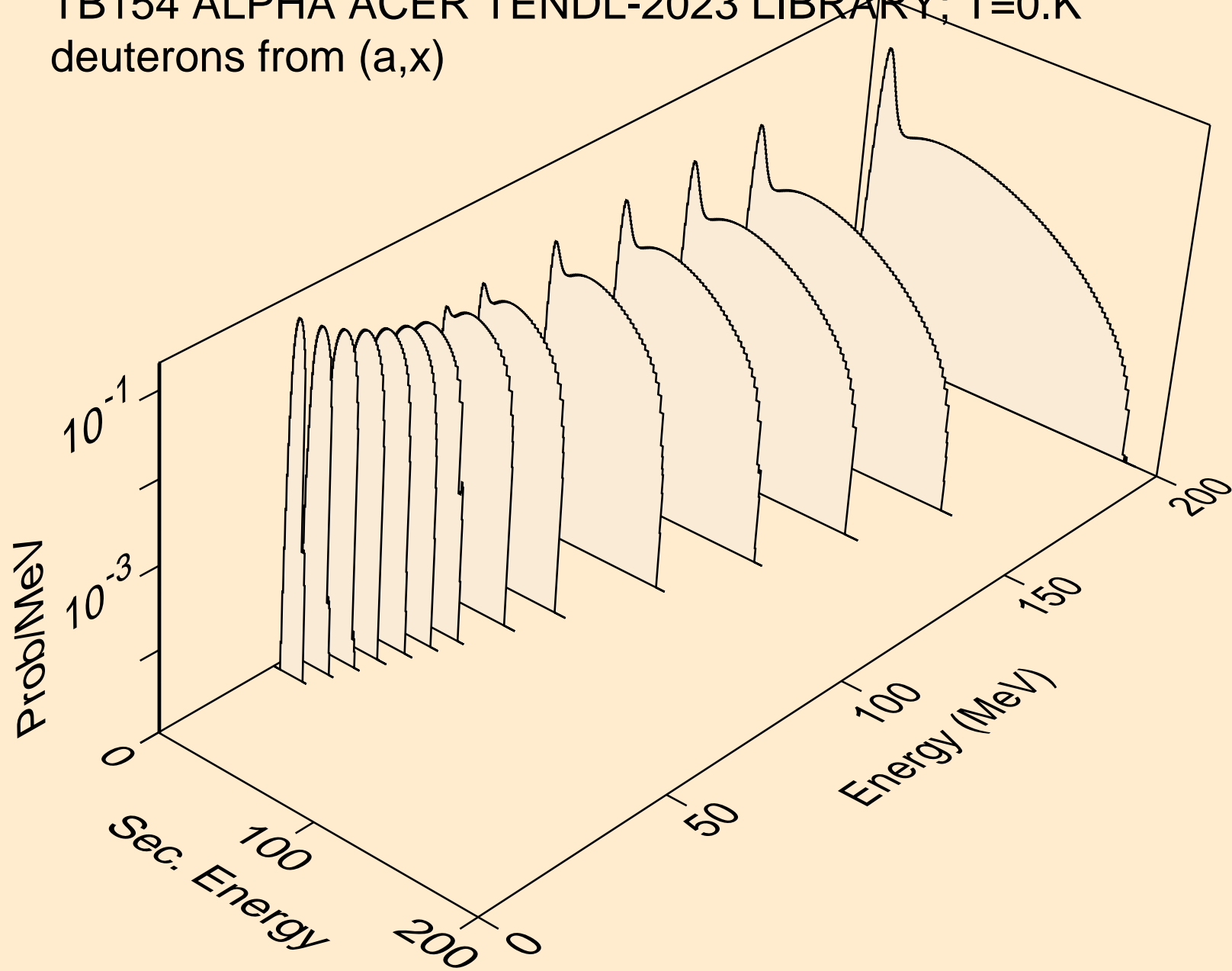


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protons from (a,pa)

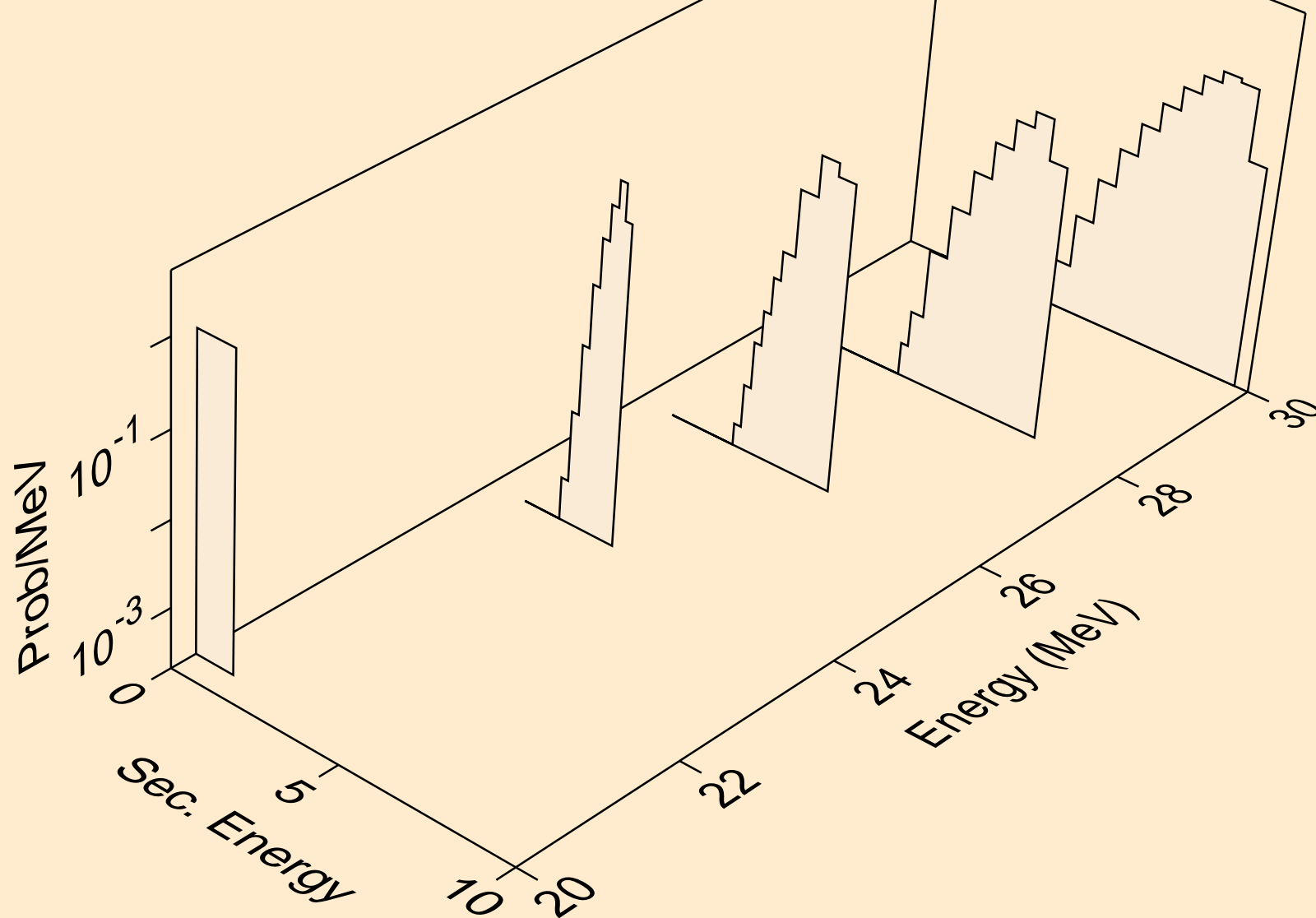




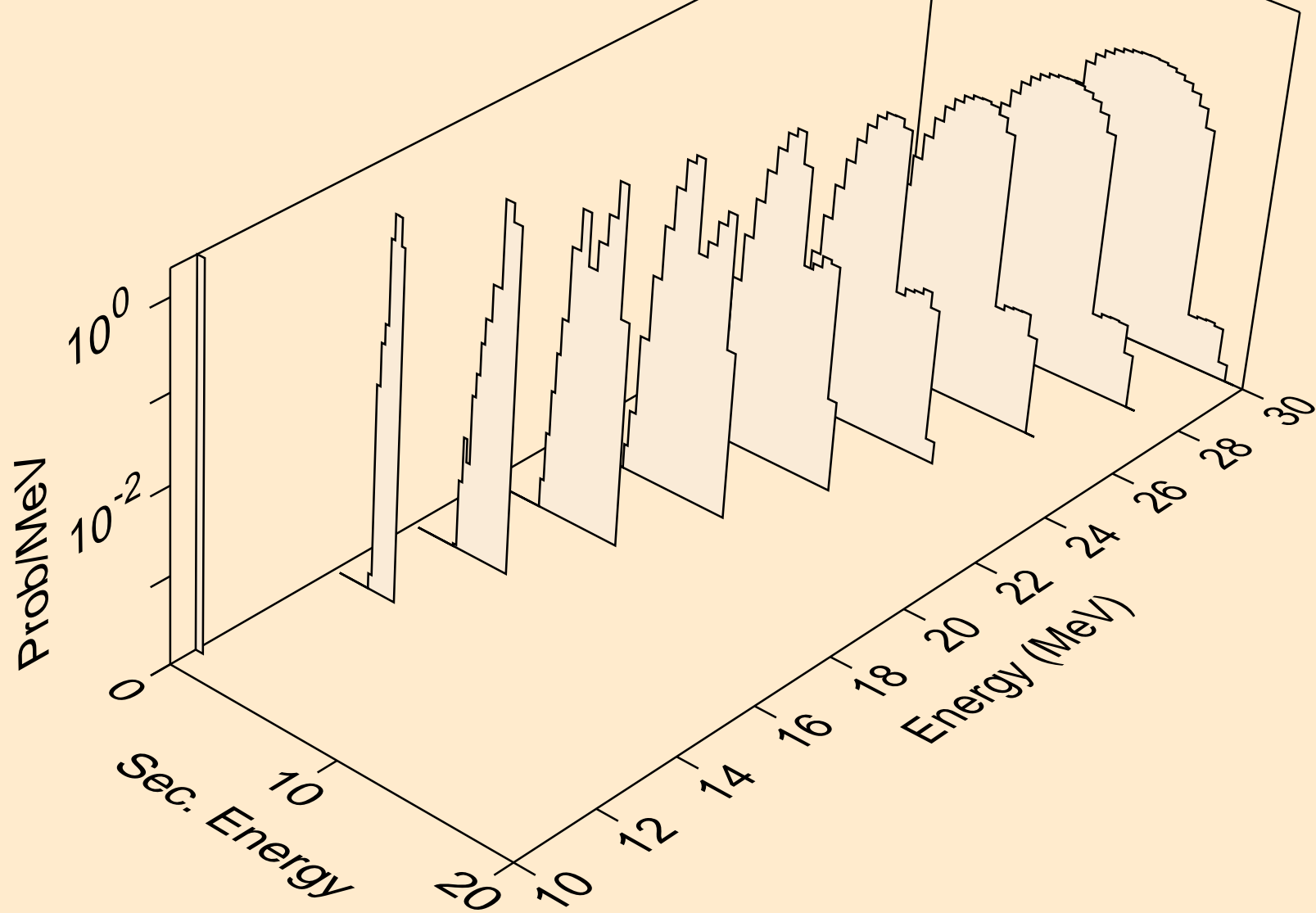
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deuterons from (a,x)



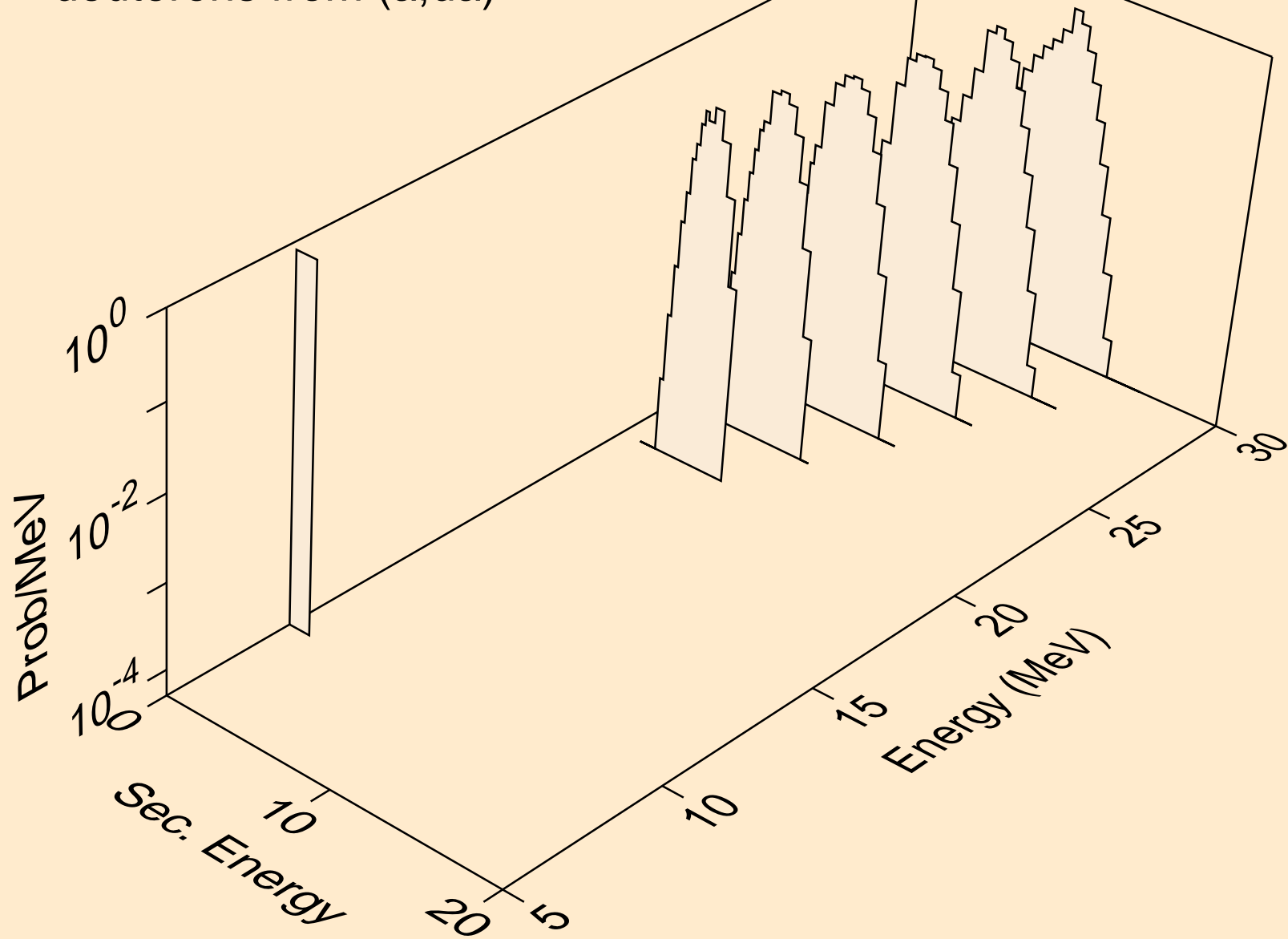
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,n\*)d



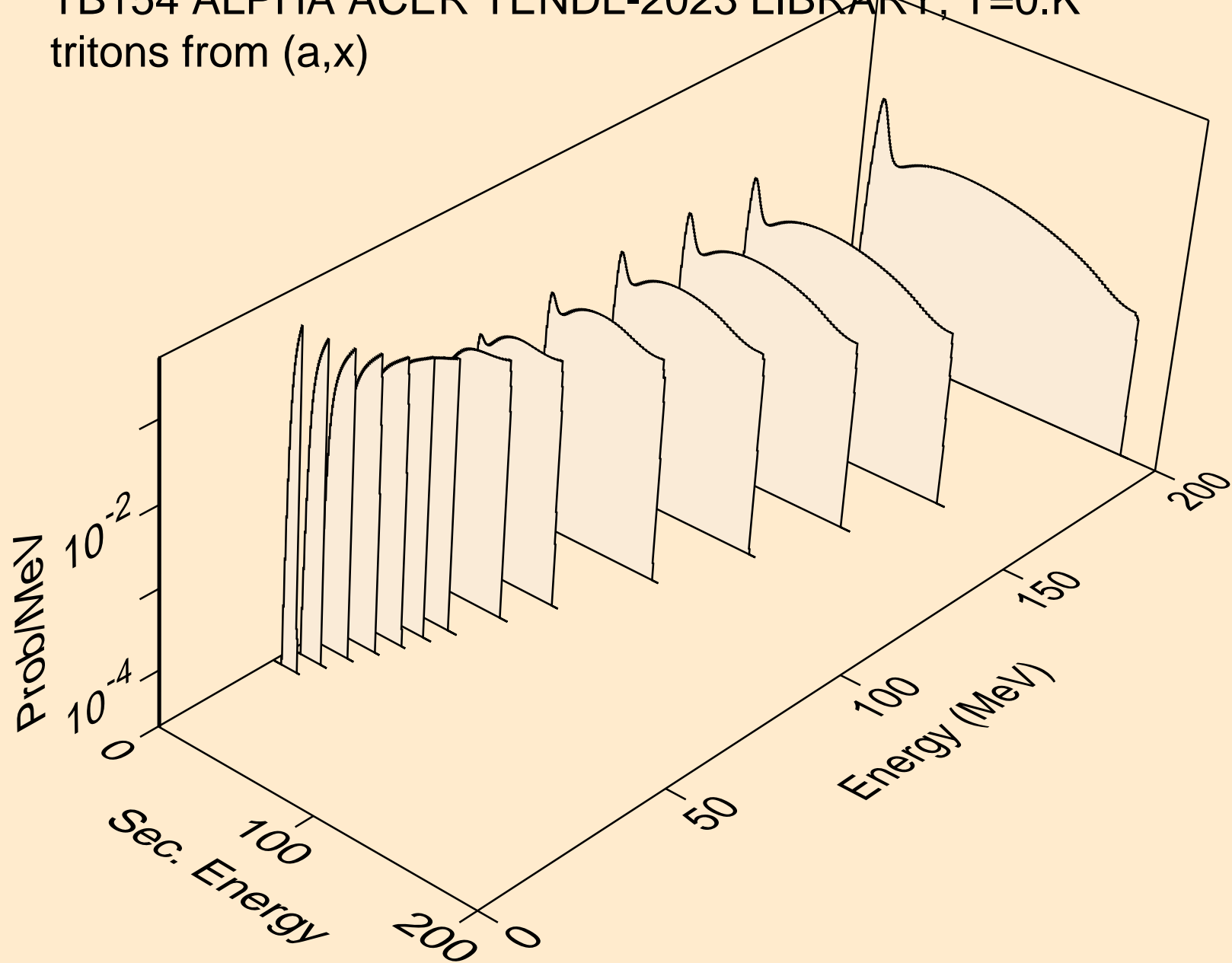
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,d)



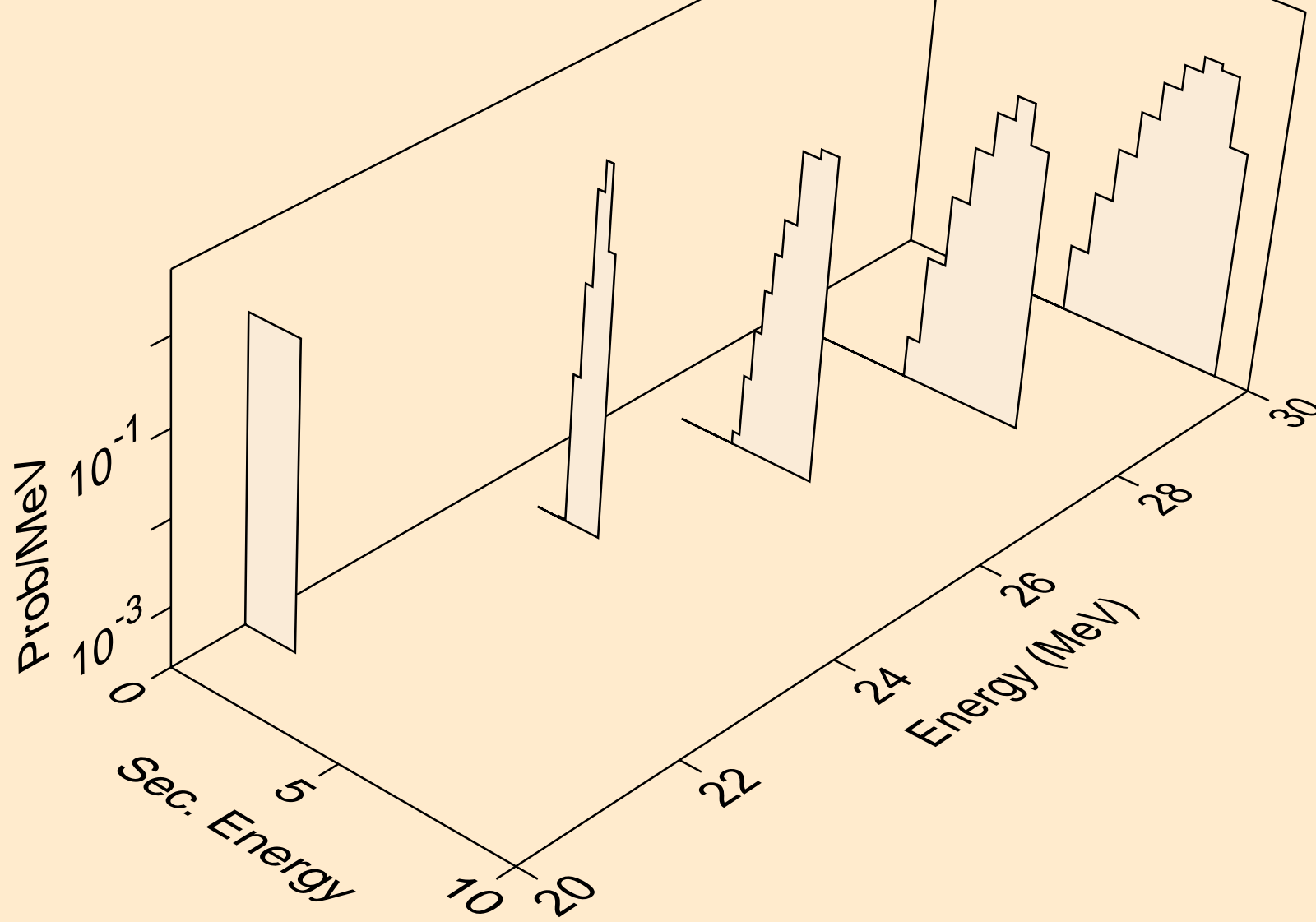
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,da)



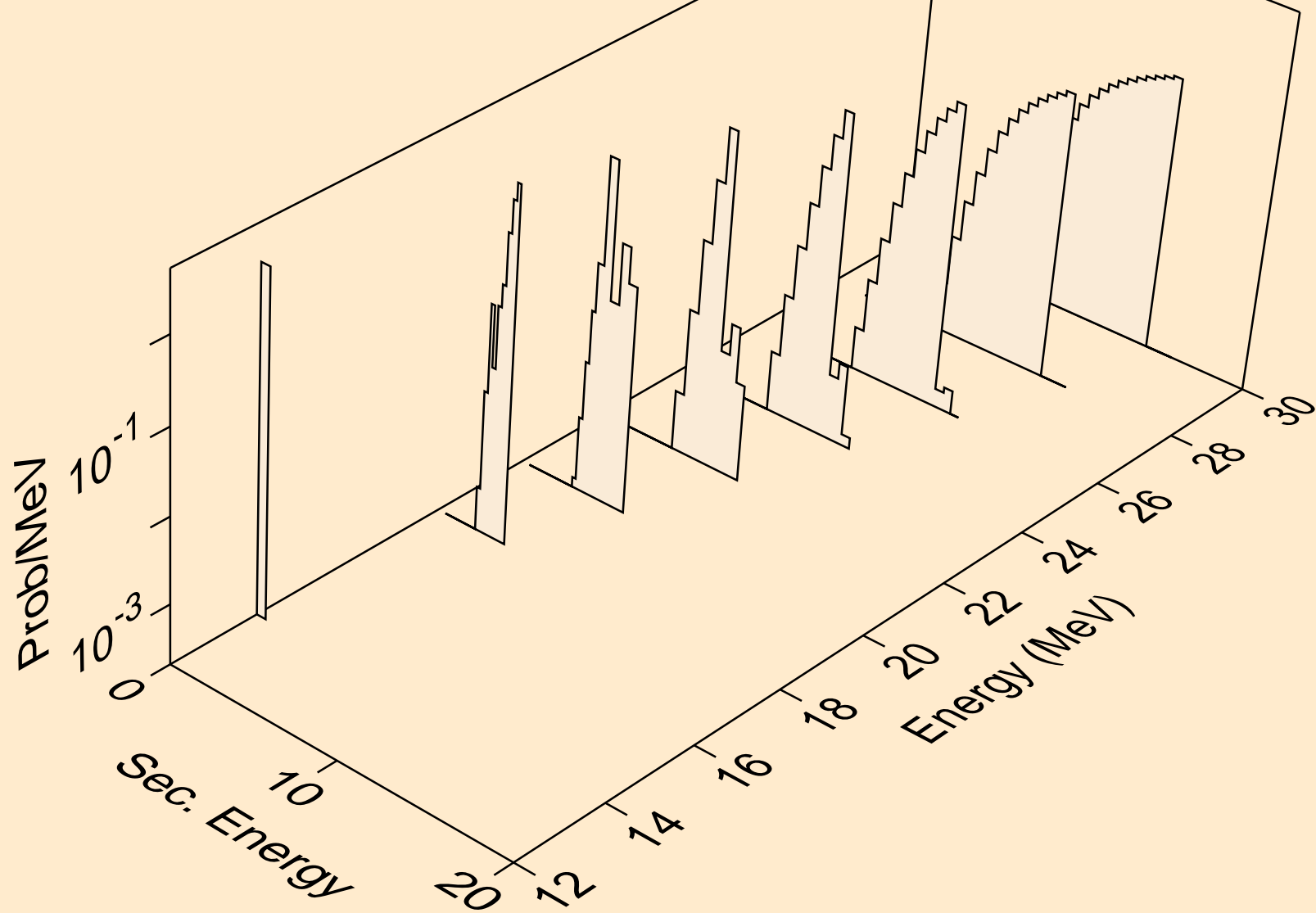
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,x)



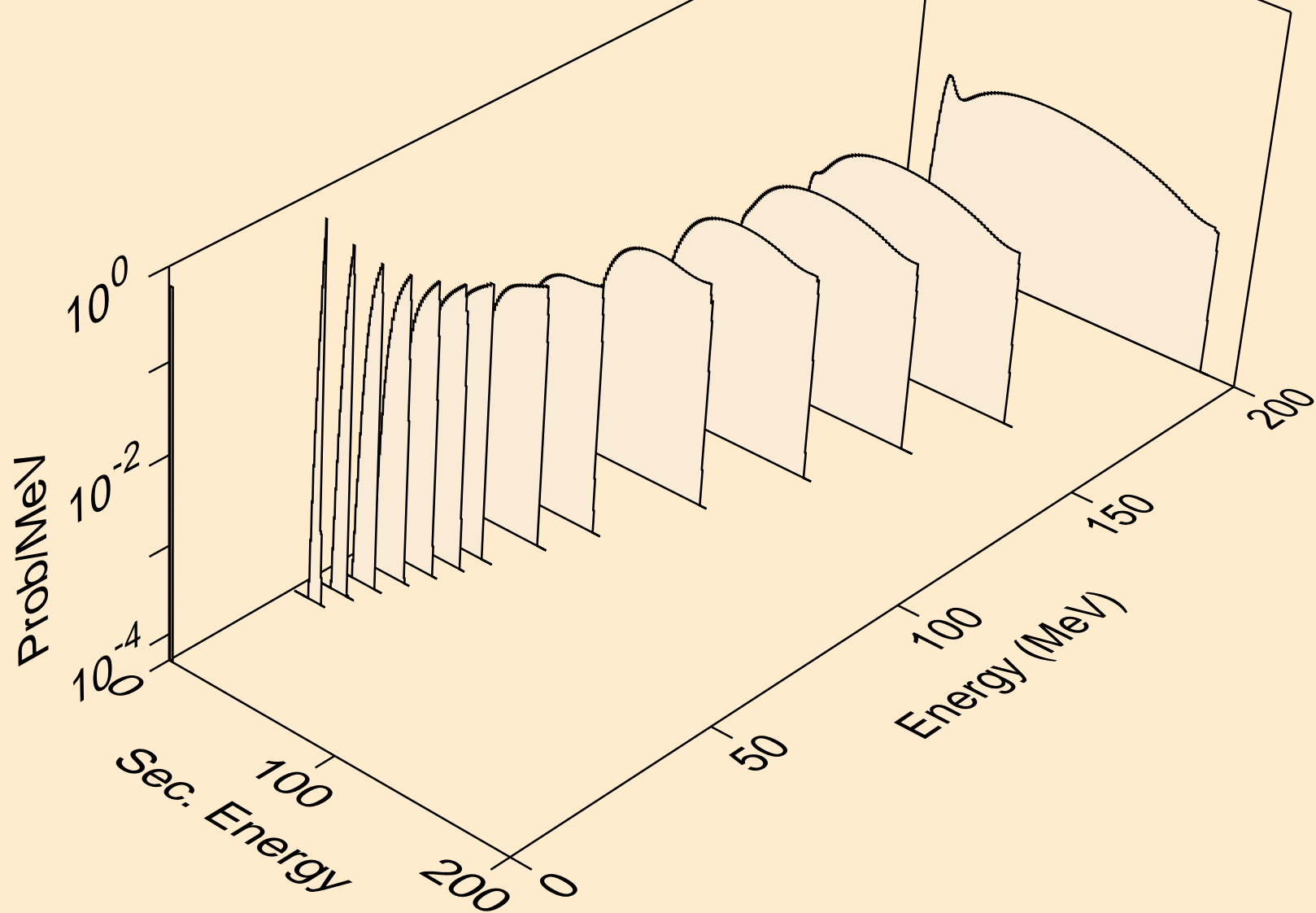
TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,n\*)t



TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,t)



TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,x)





TB154 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,he3)

