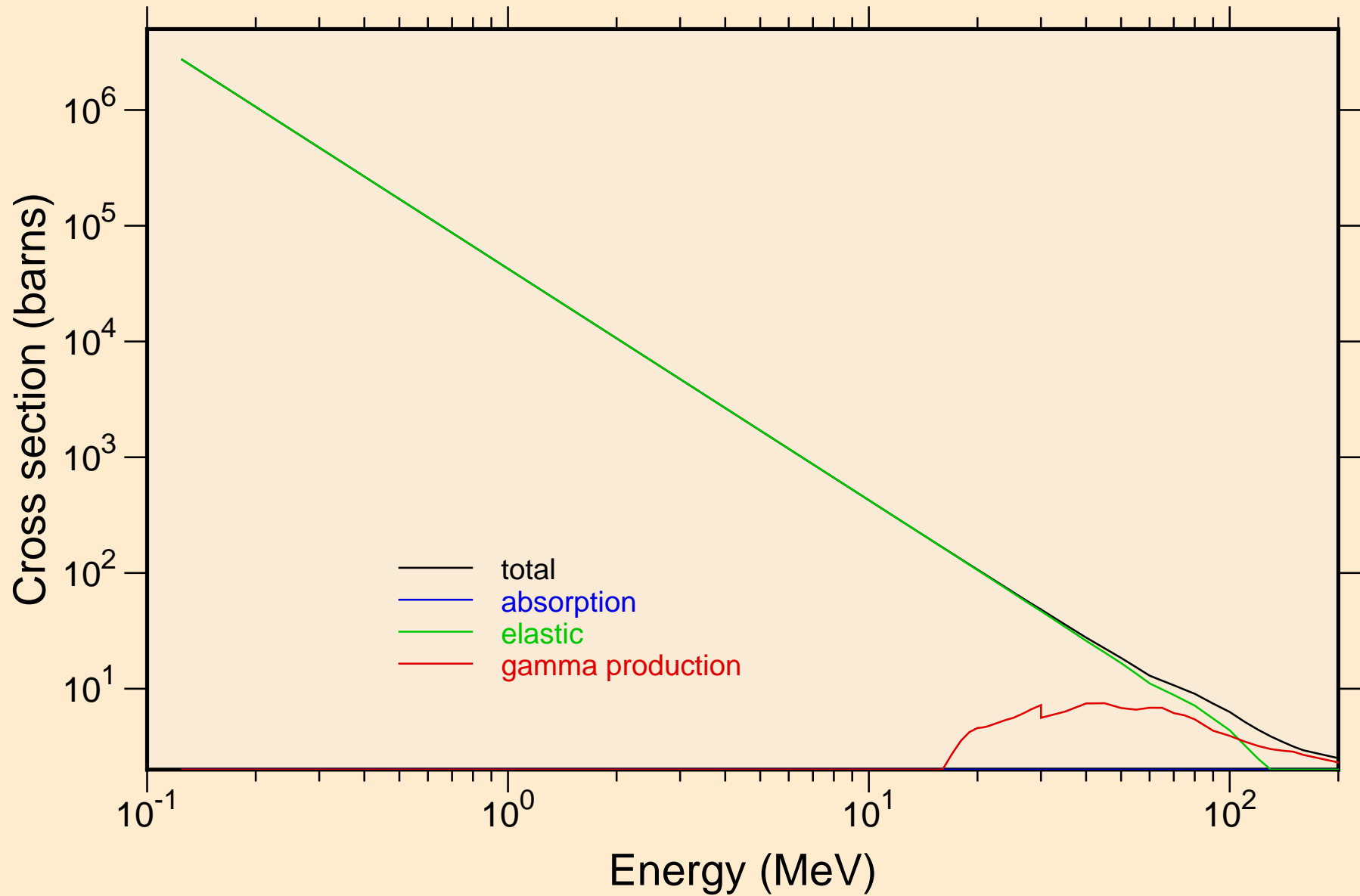
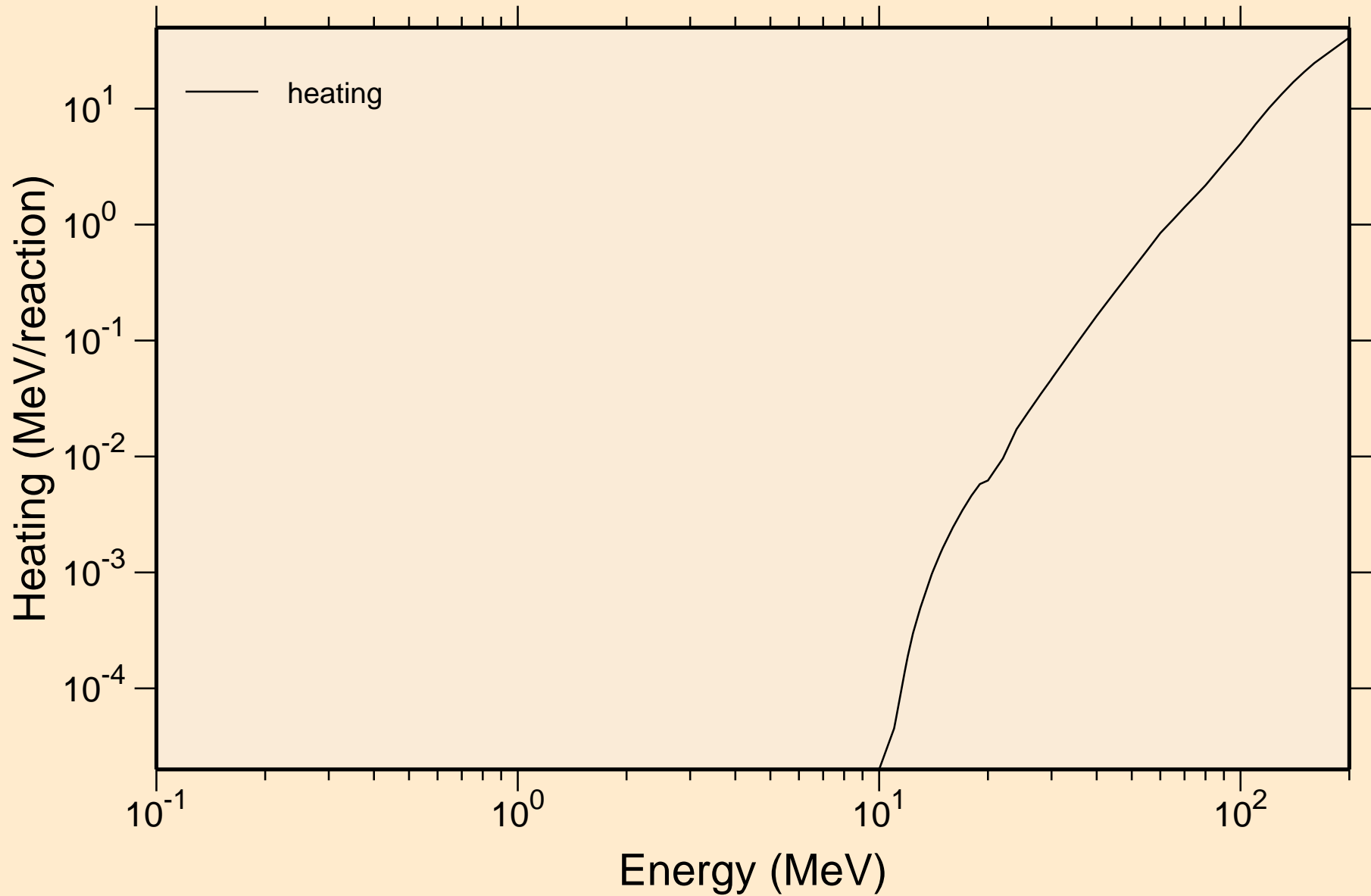


ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Principal cross sections



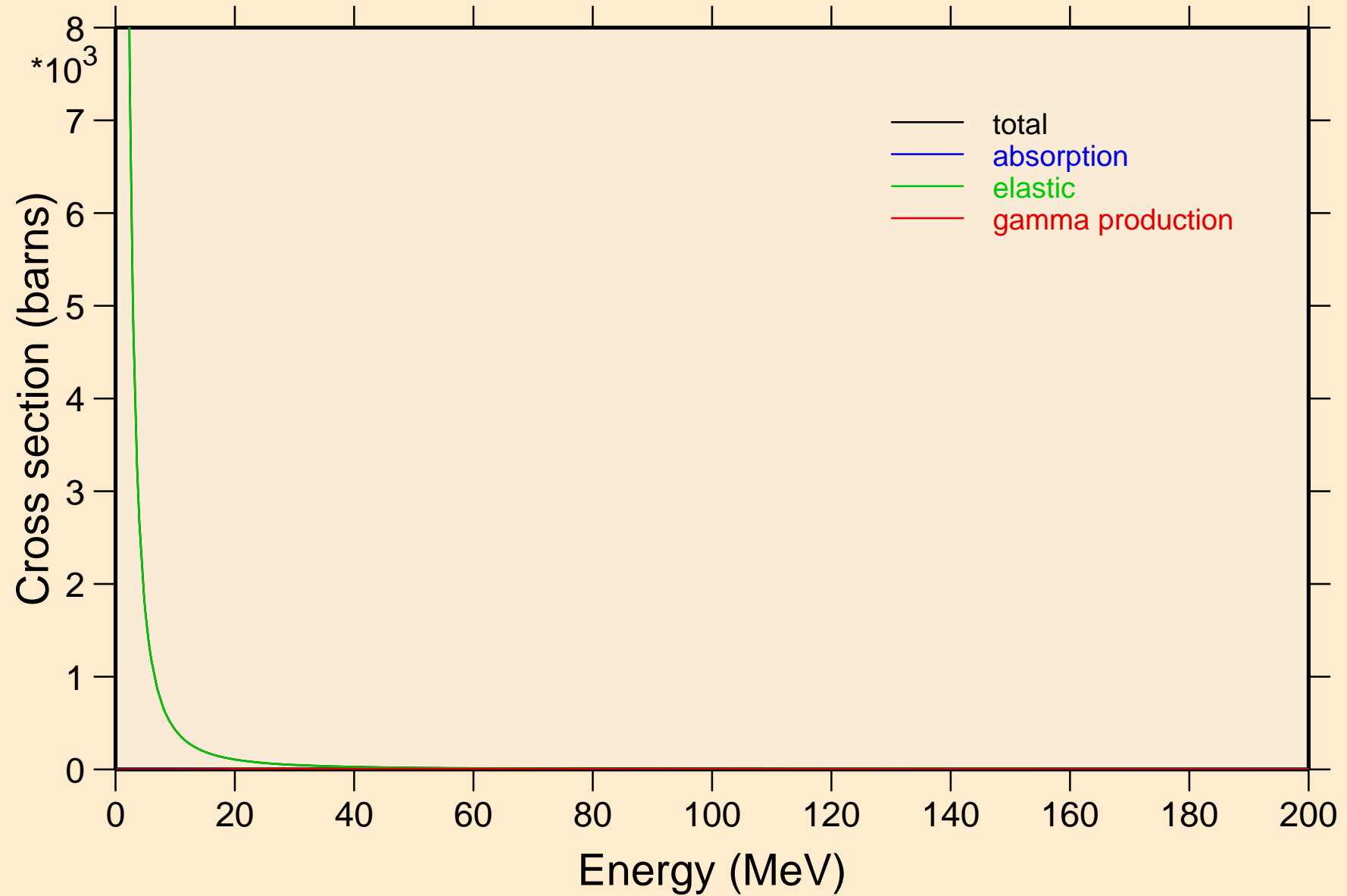
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Heating



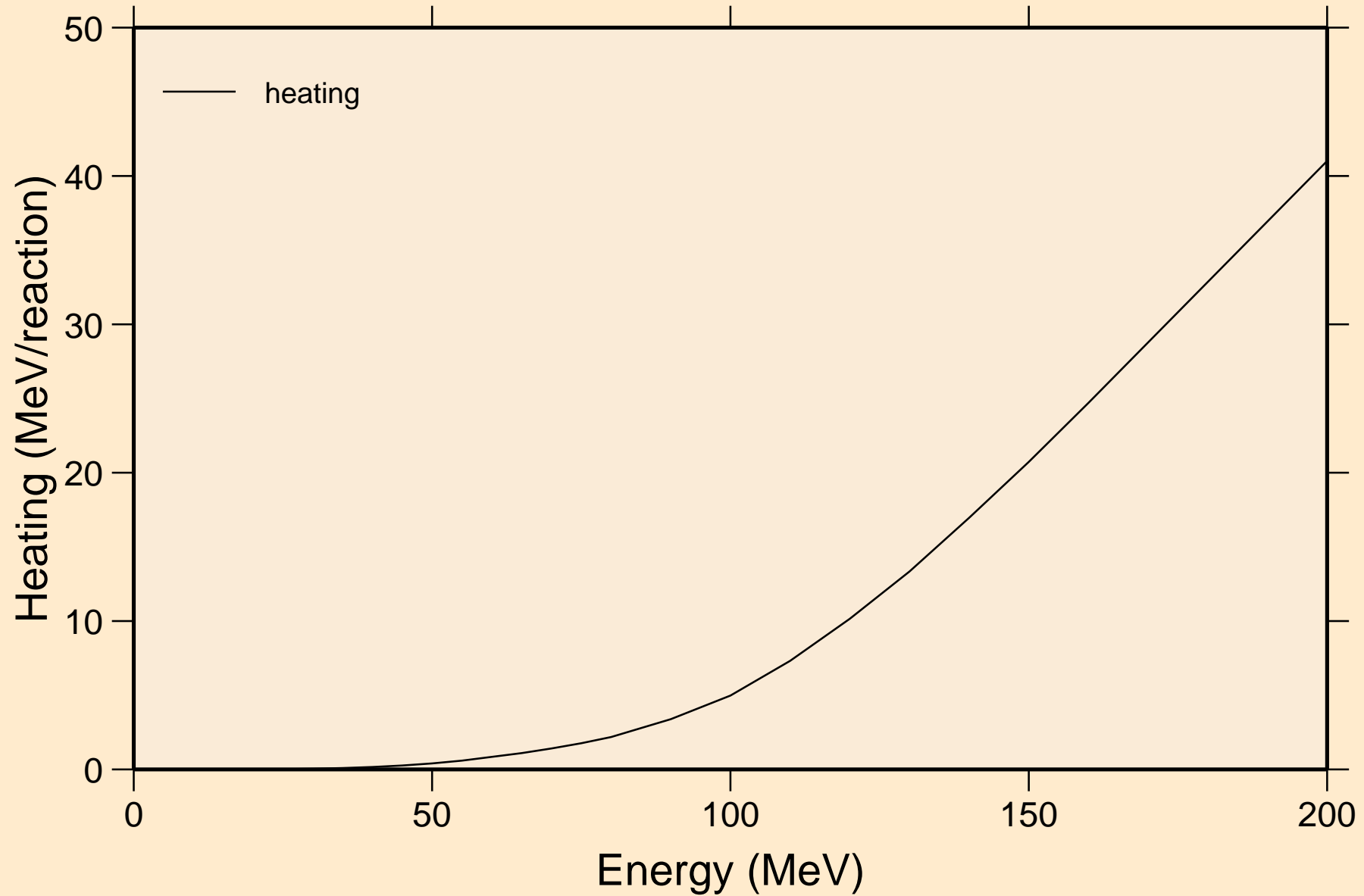
# ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections

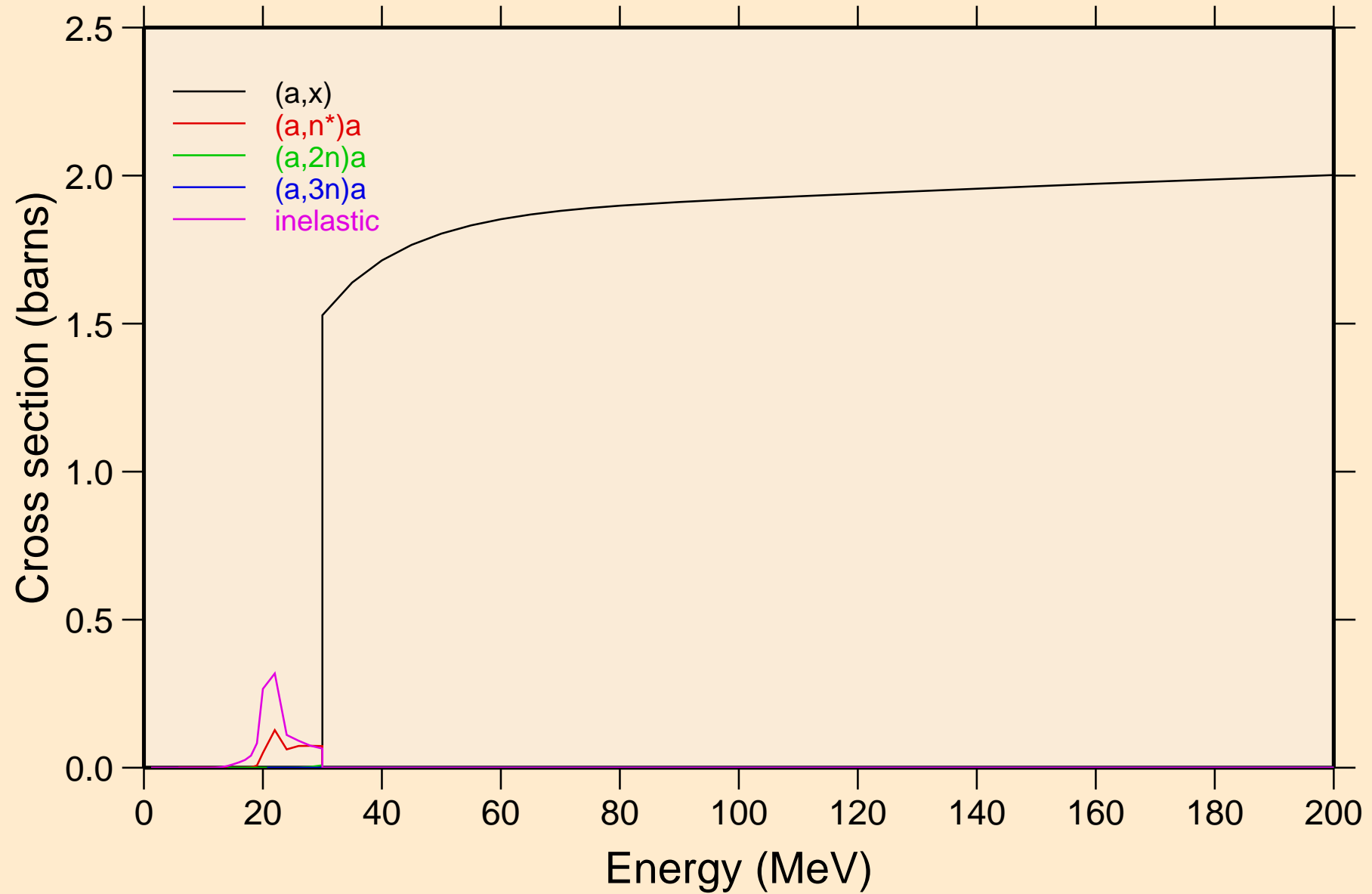


ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

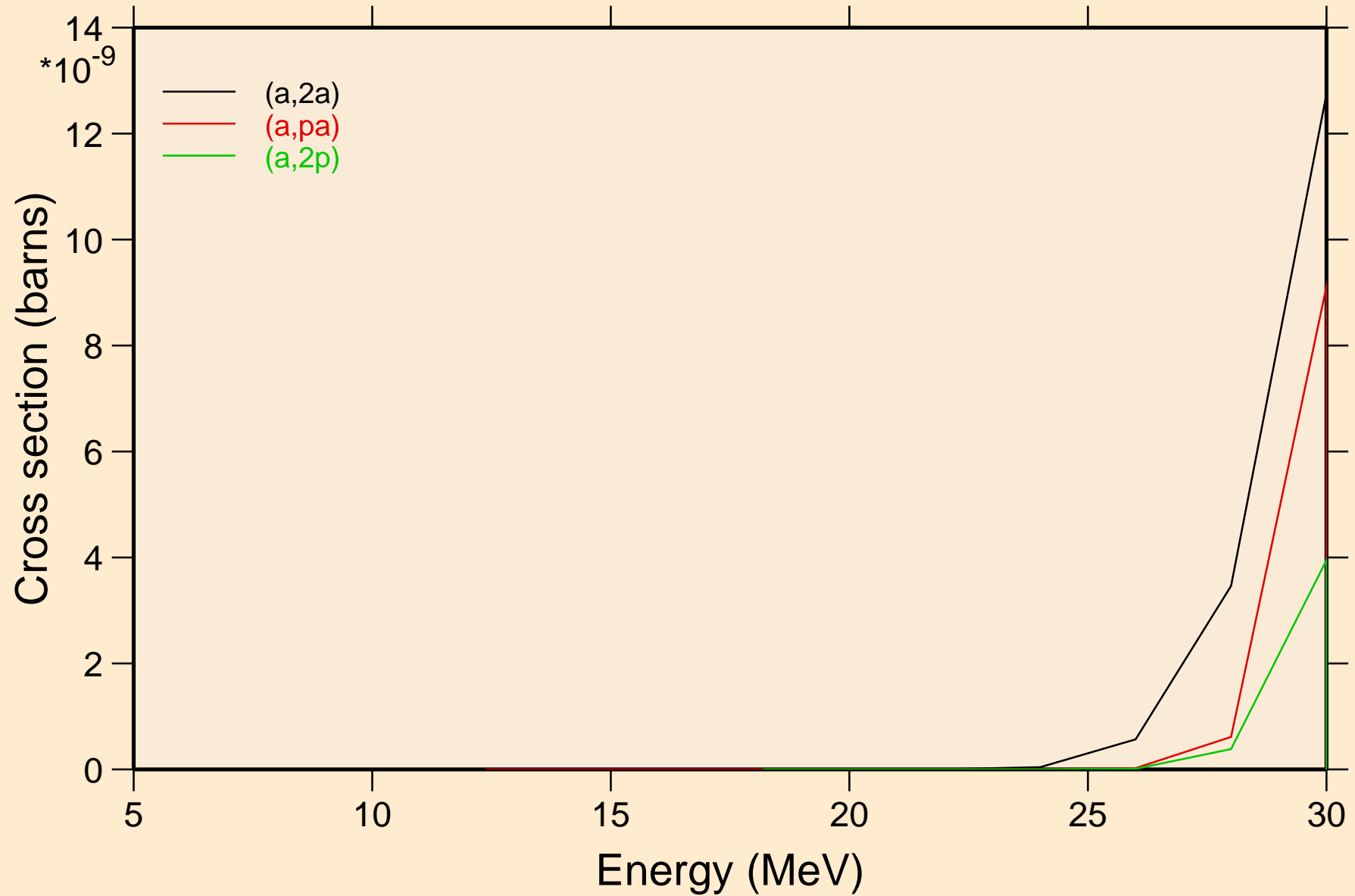
Heating



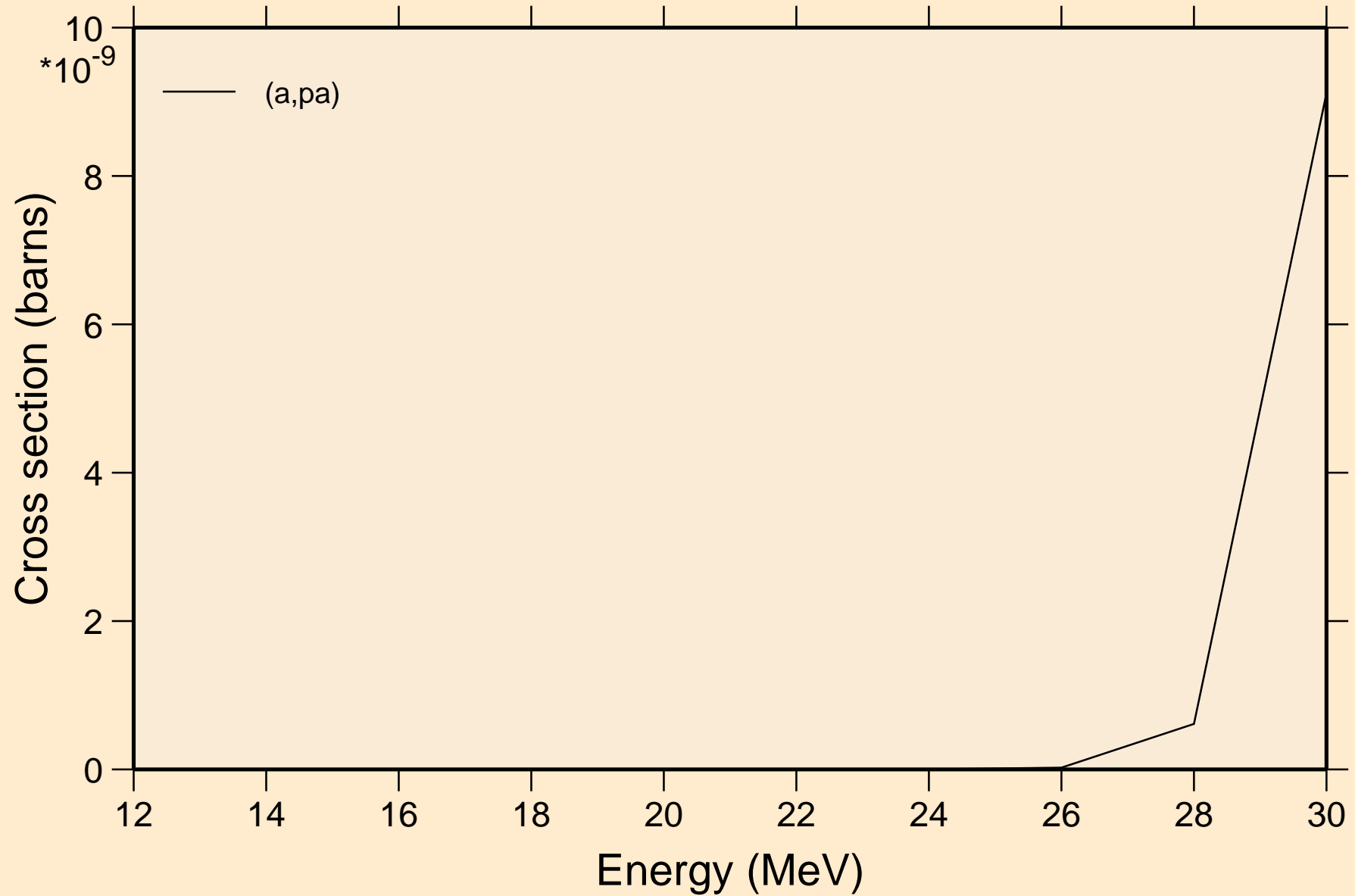
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Threshold reactions



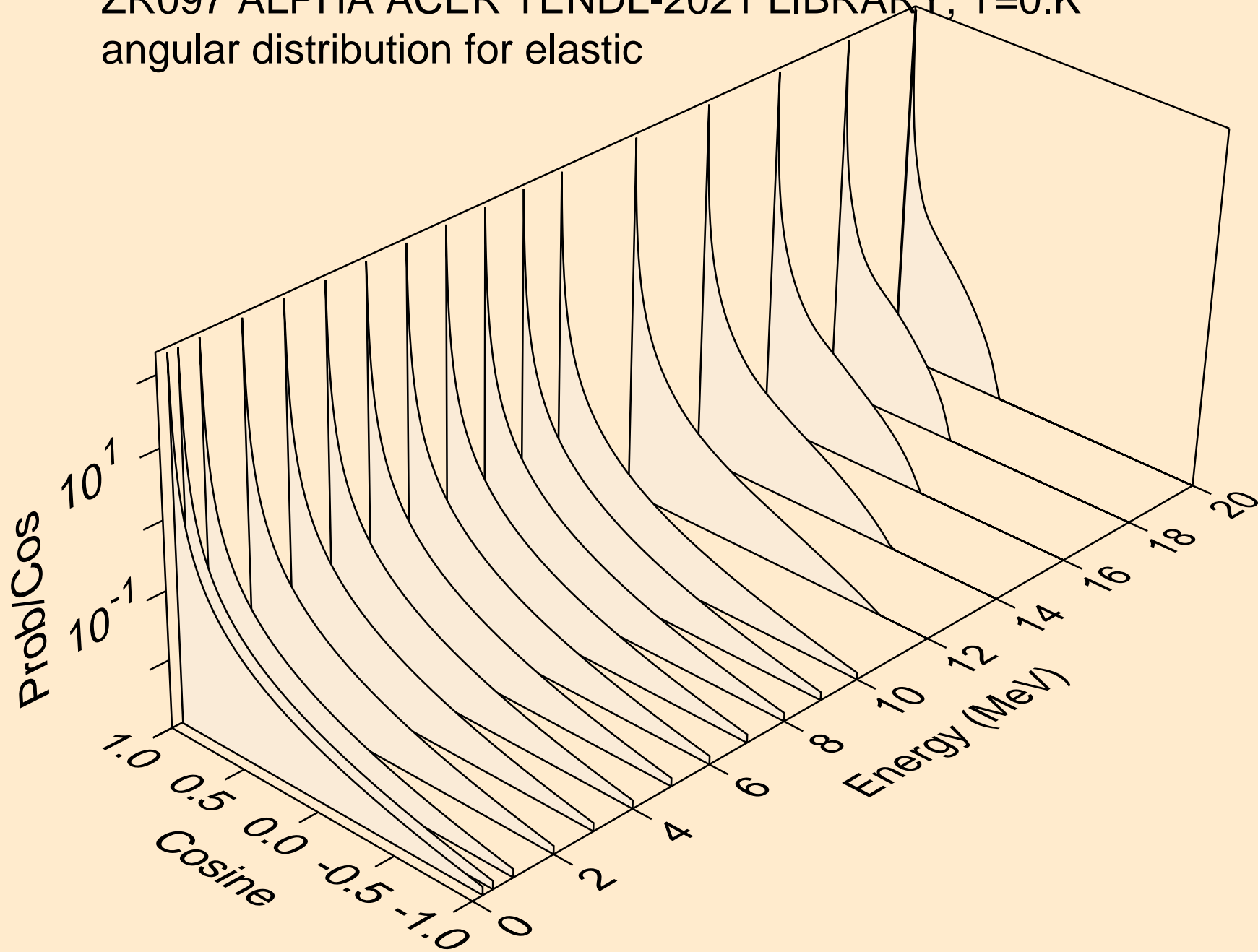
ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

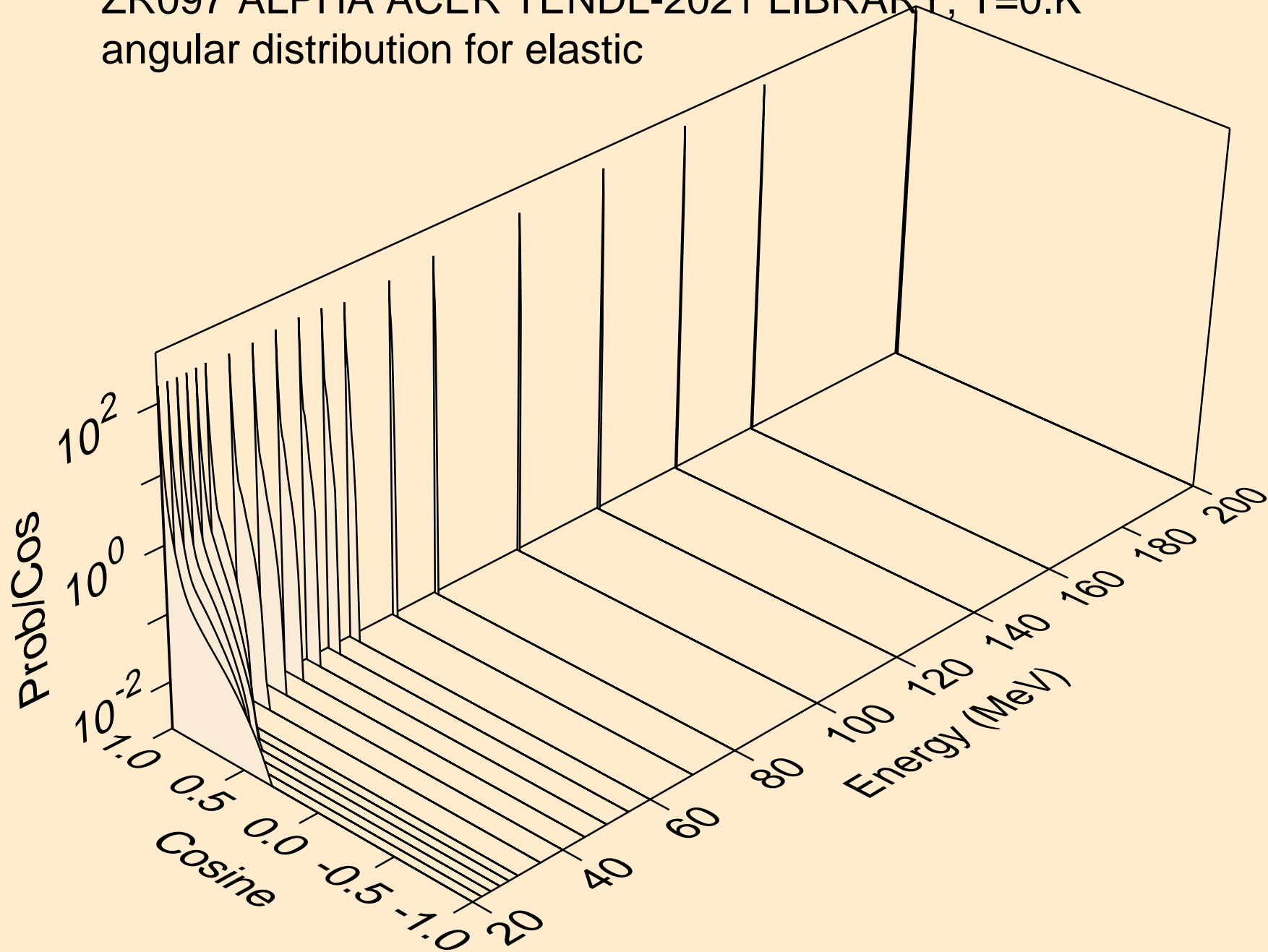


ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



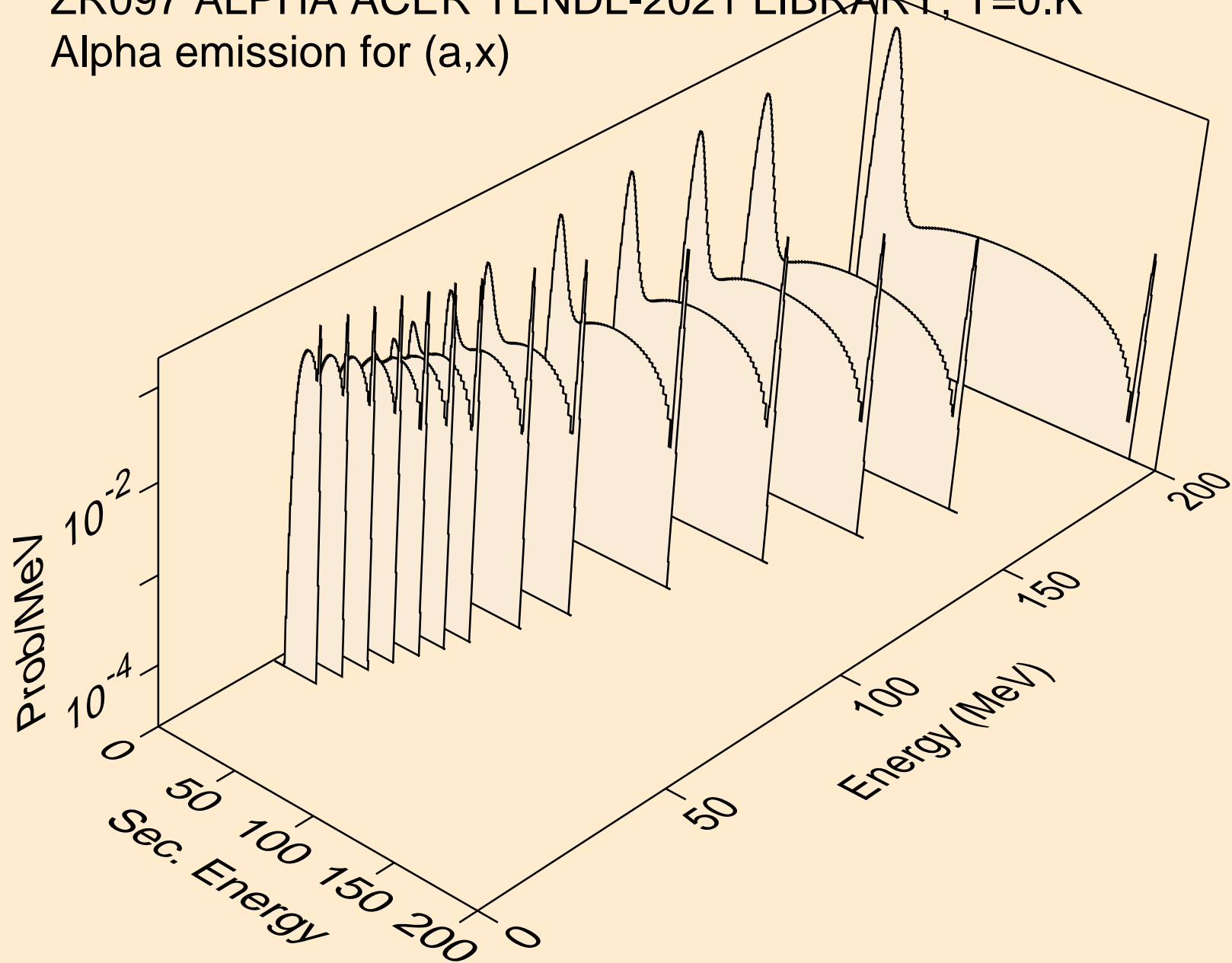


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angular distribution for elastic

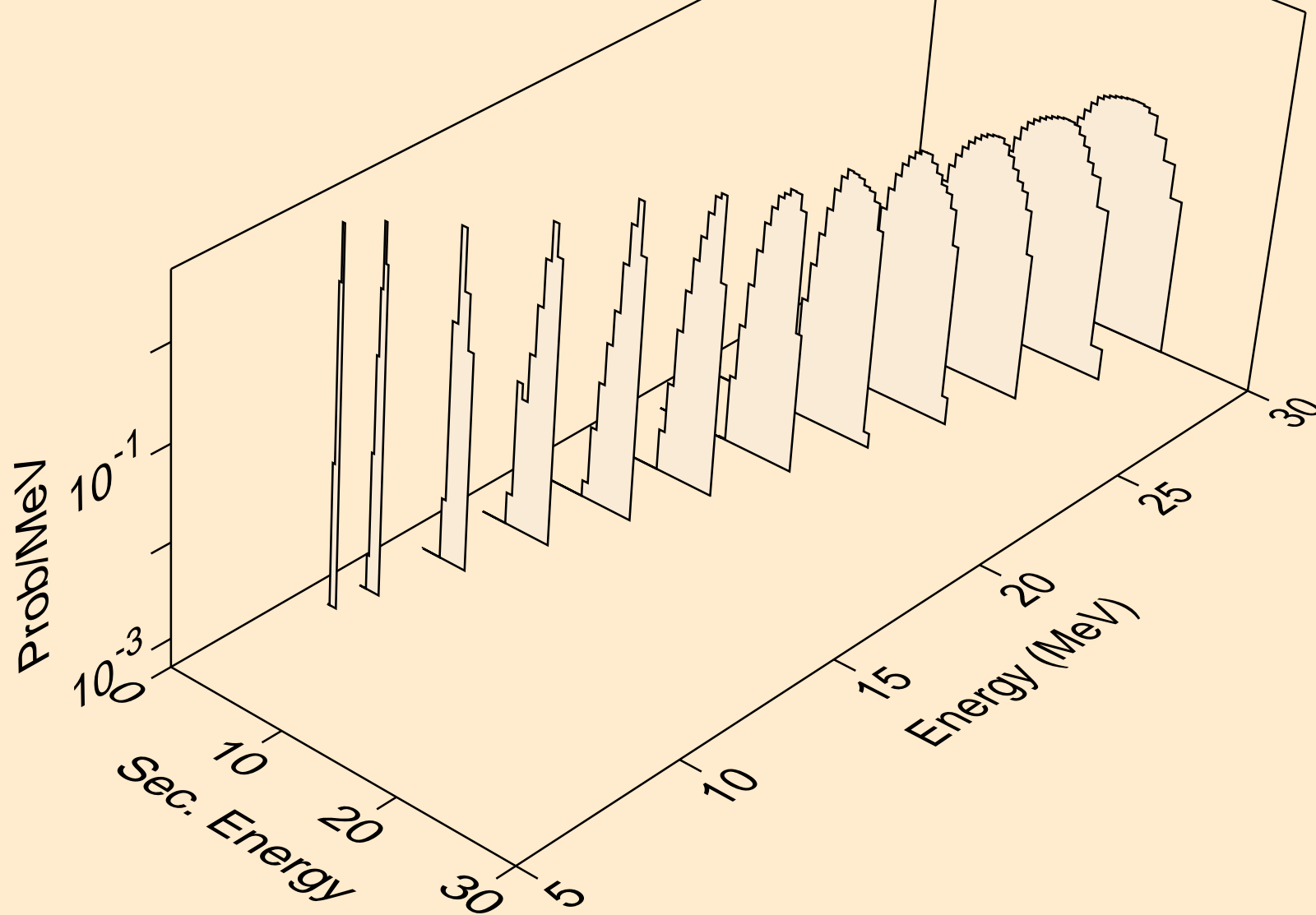


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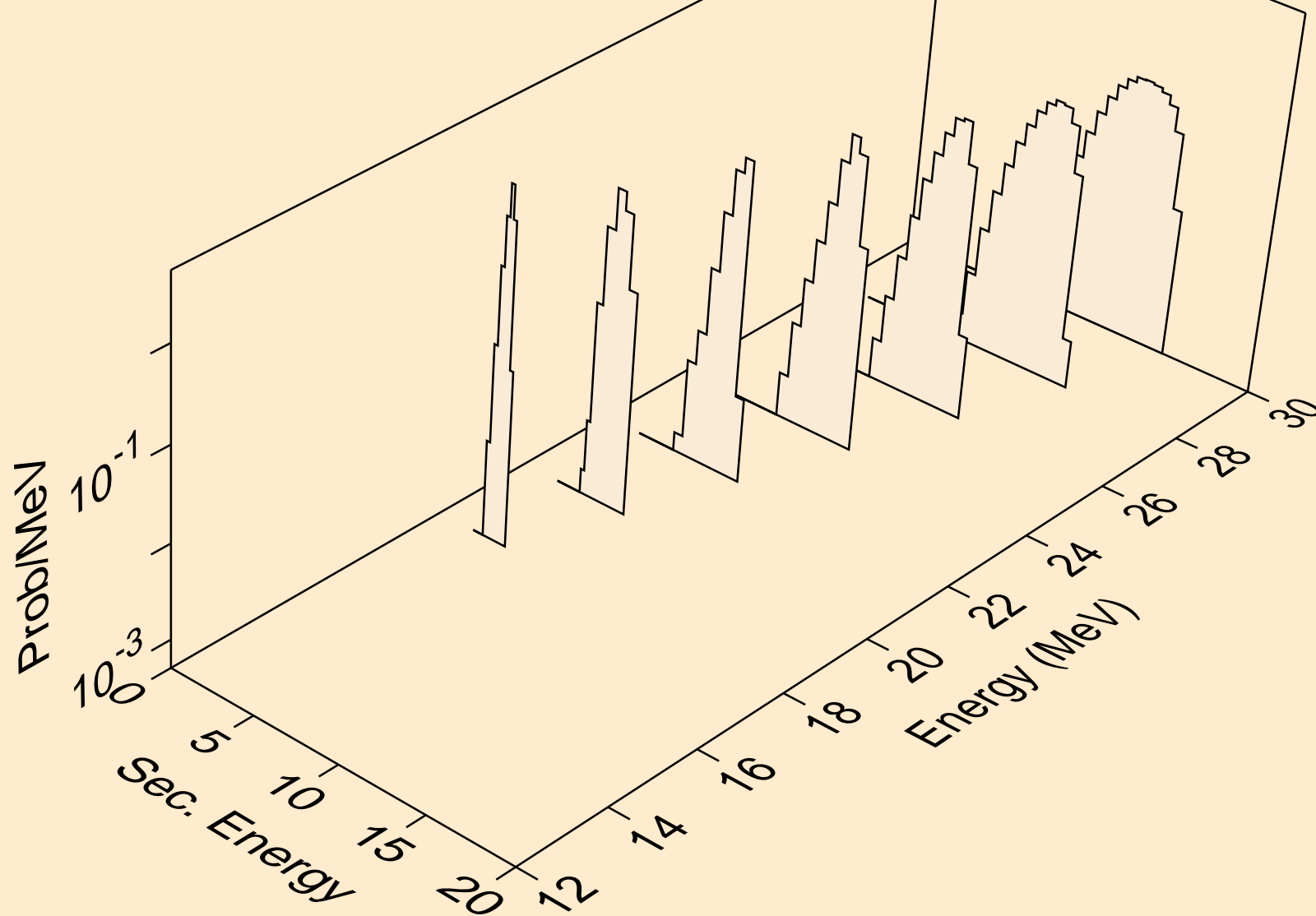
Alpha emission for (a,x)



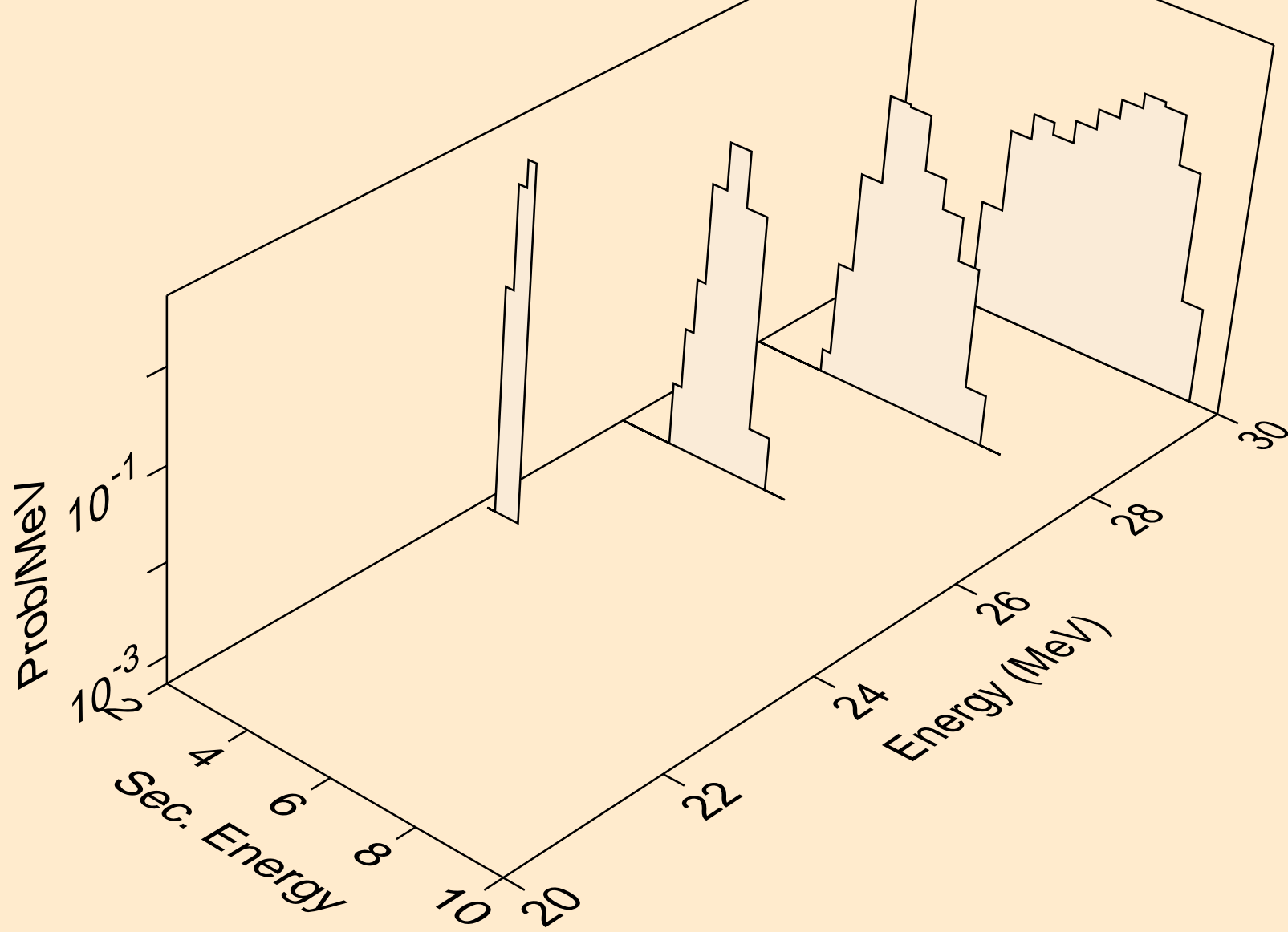
ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a



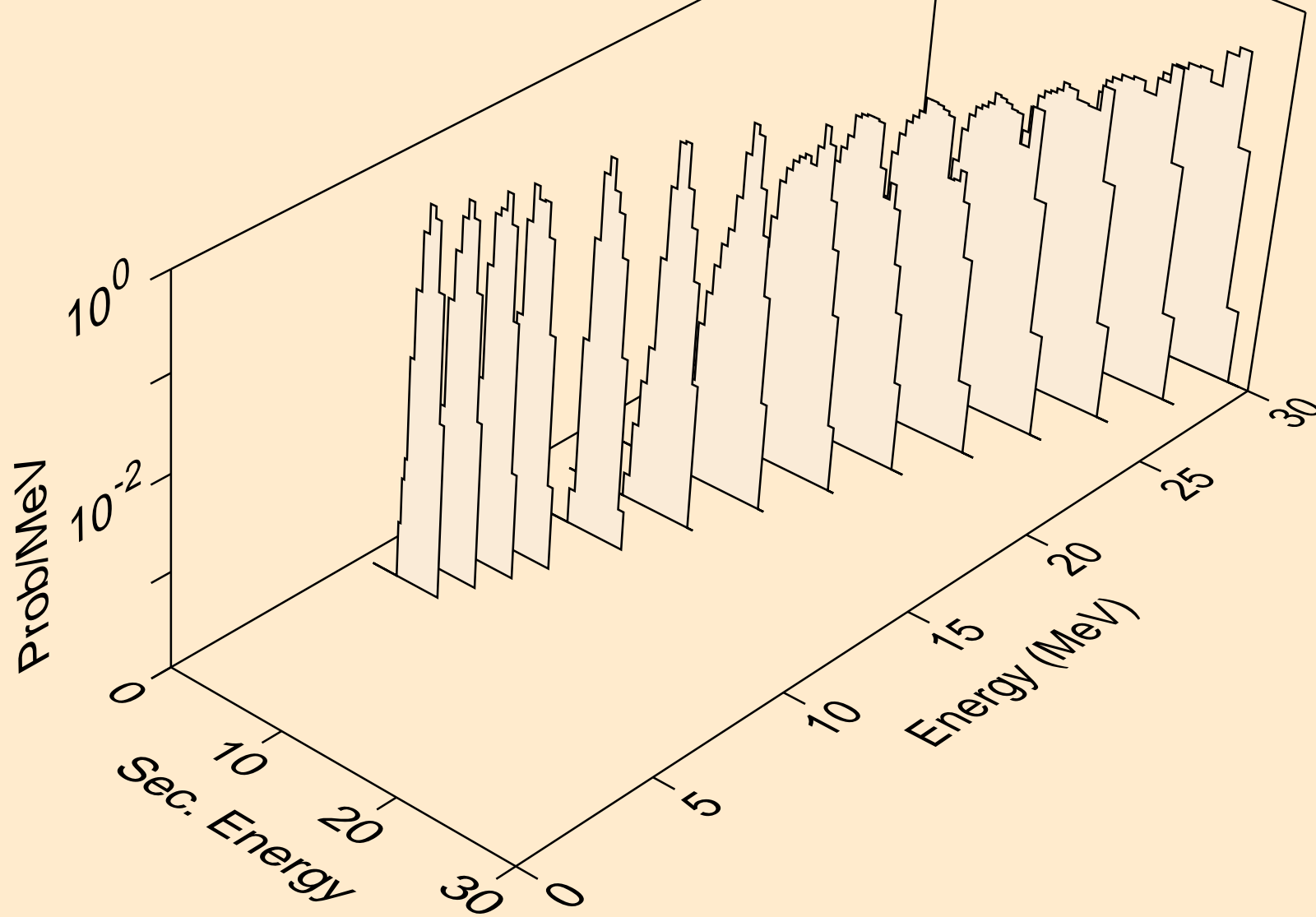
ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,2n)a



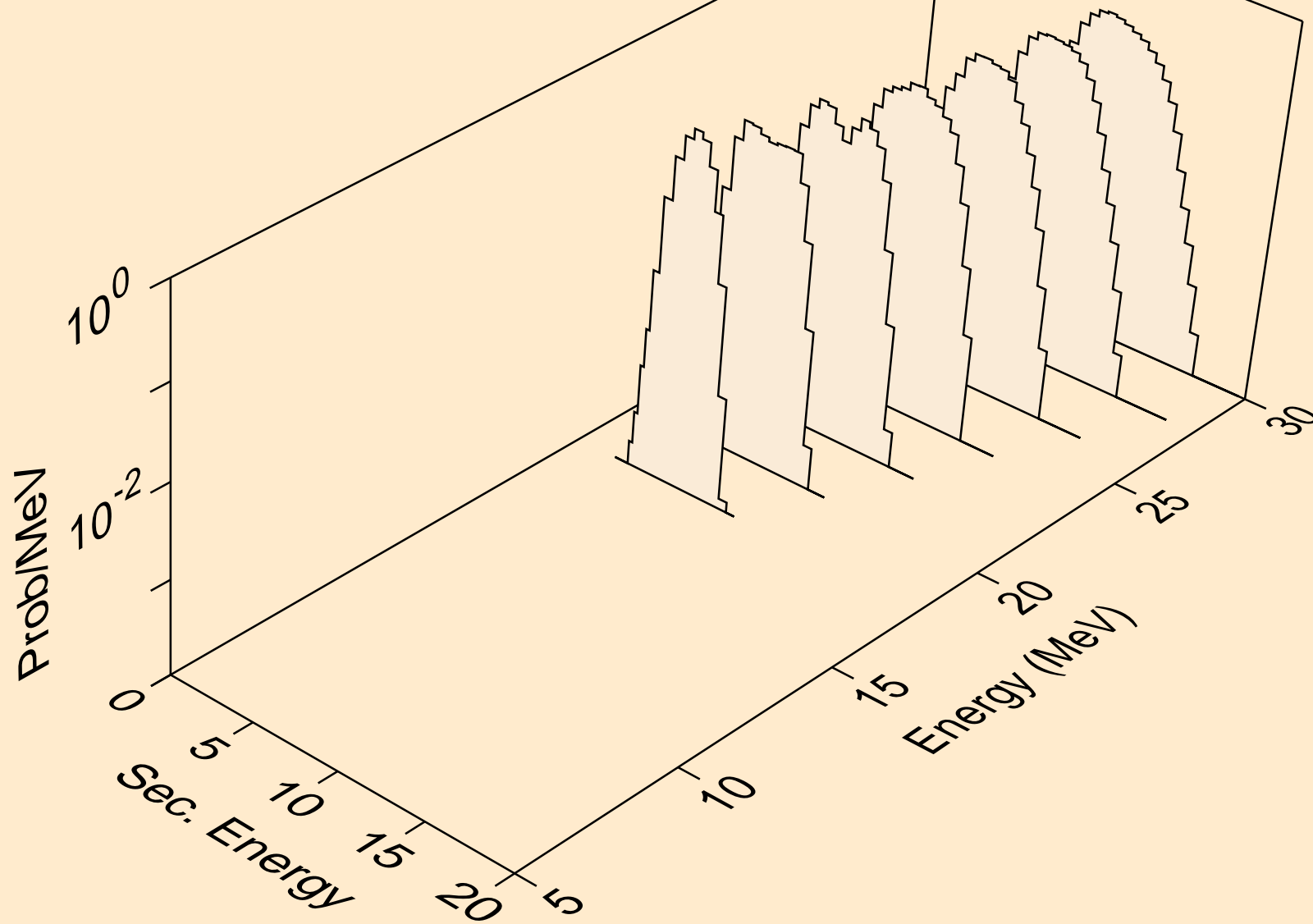
ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,3n)a



ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for inelastic

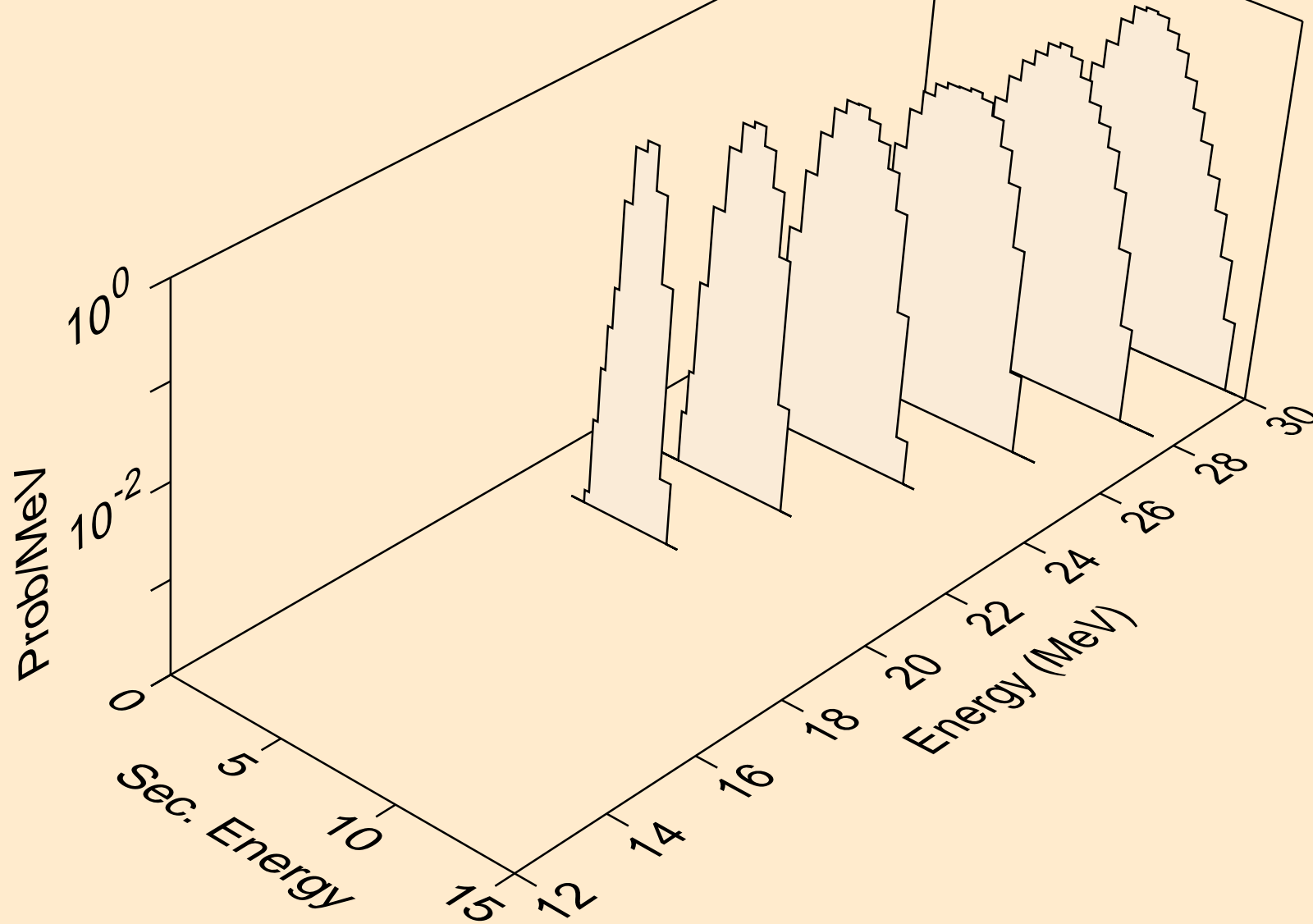


ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Alpha emission for (a,2a)



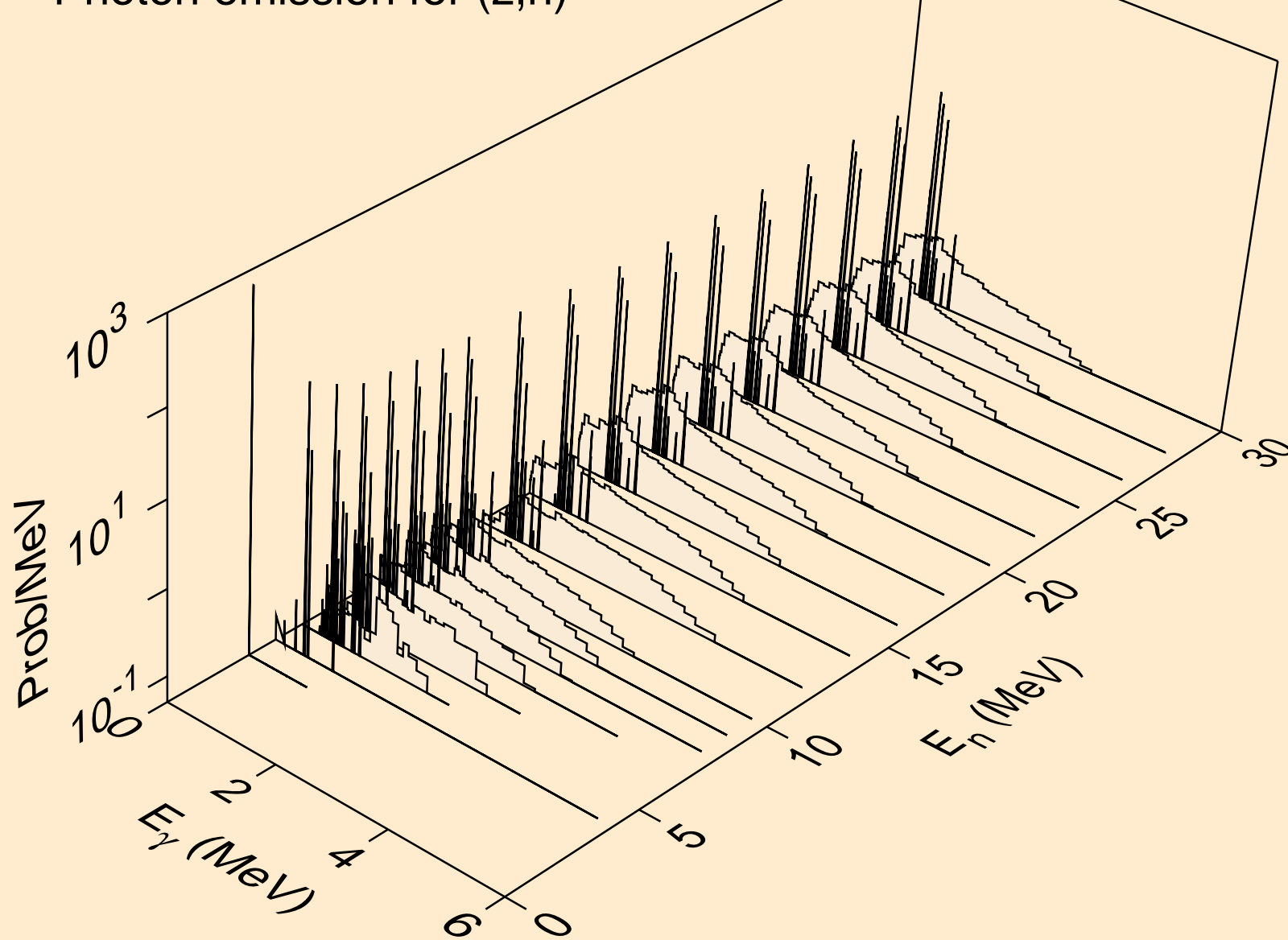
ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K

Alpha emission for (a,pa)

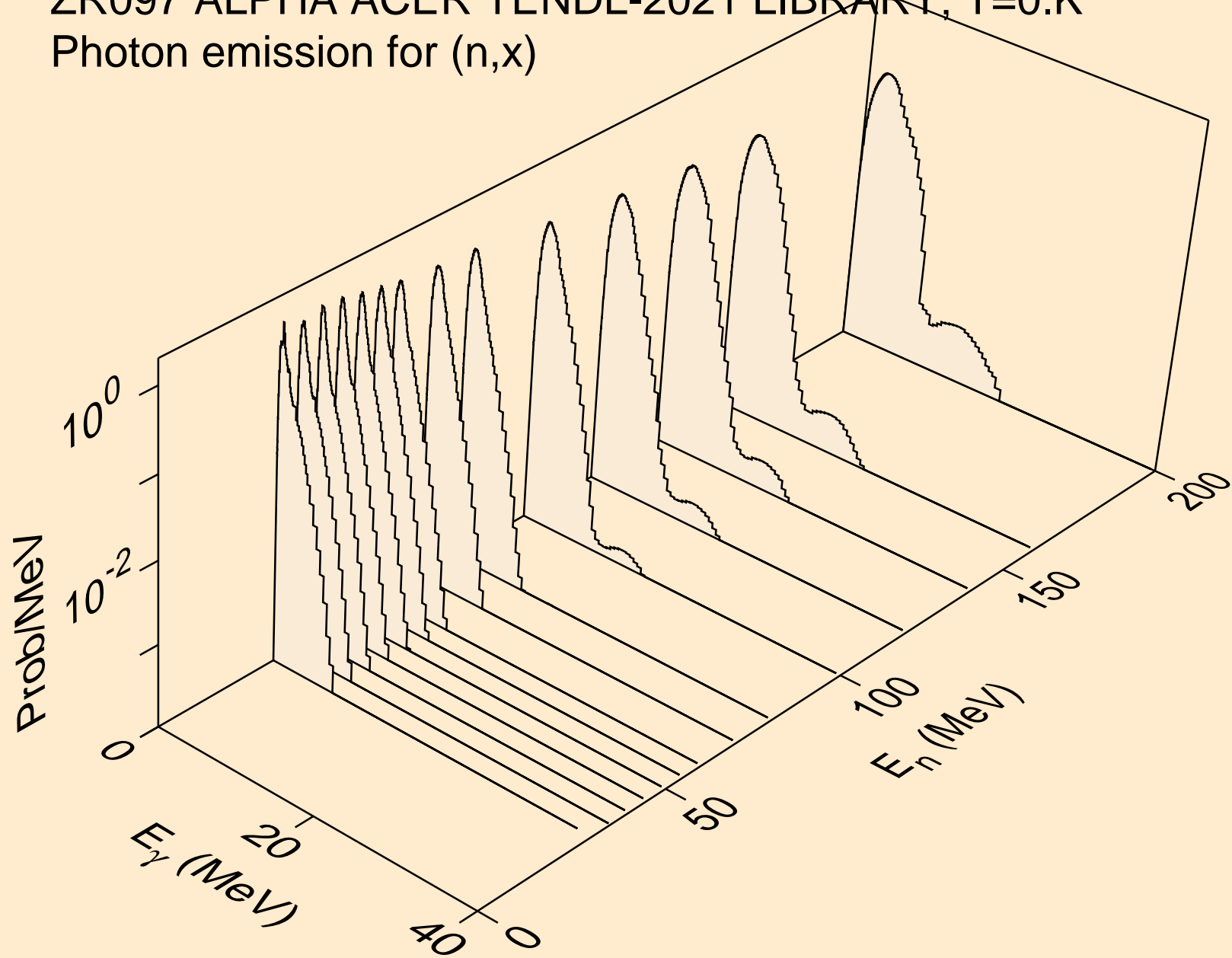




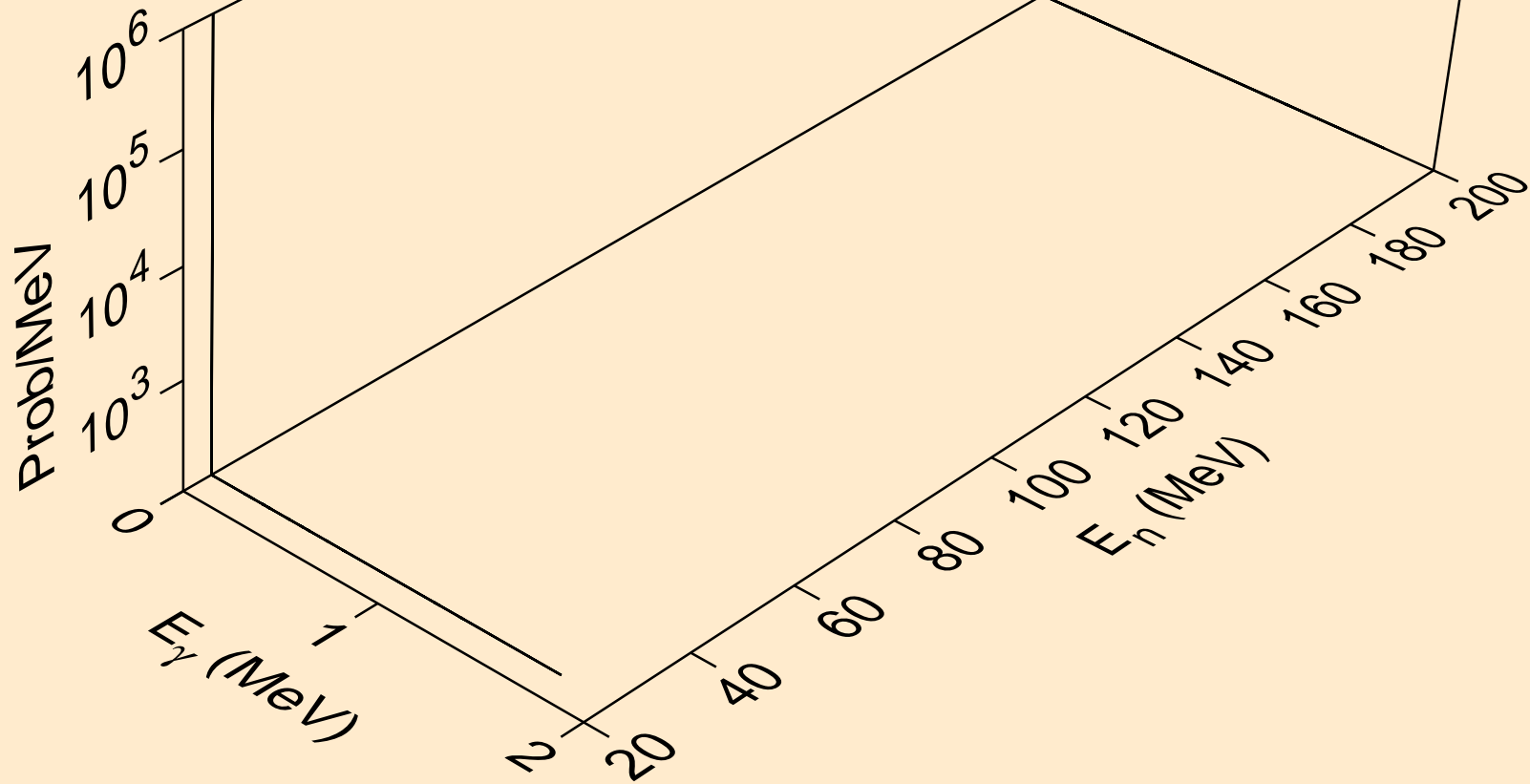
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Photon emission for (z,n)



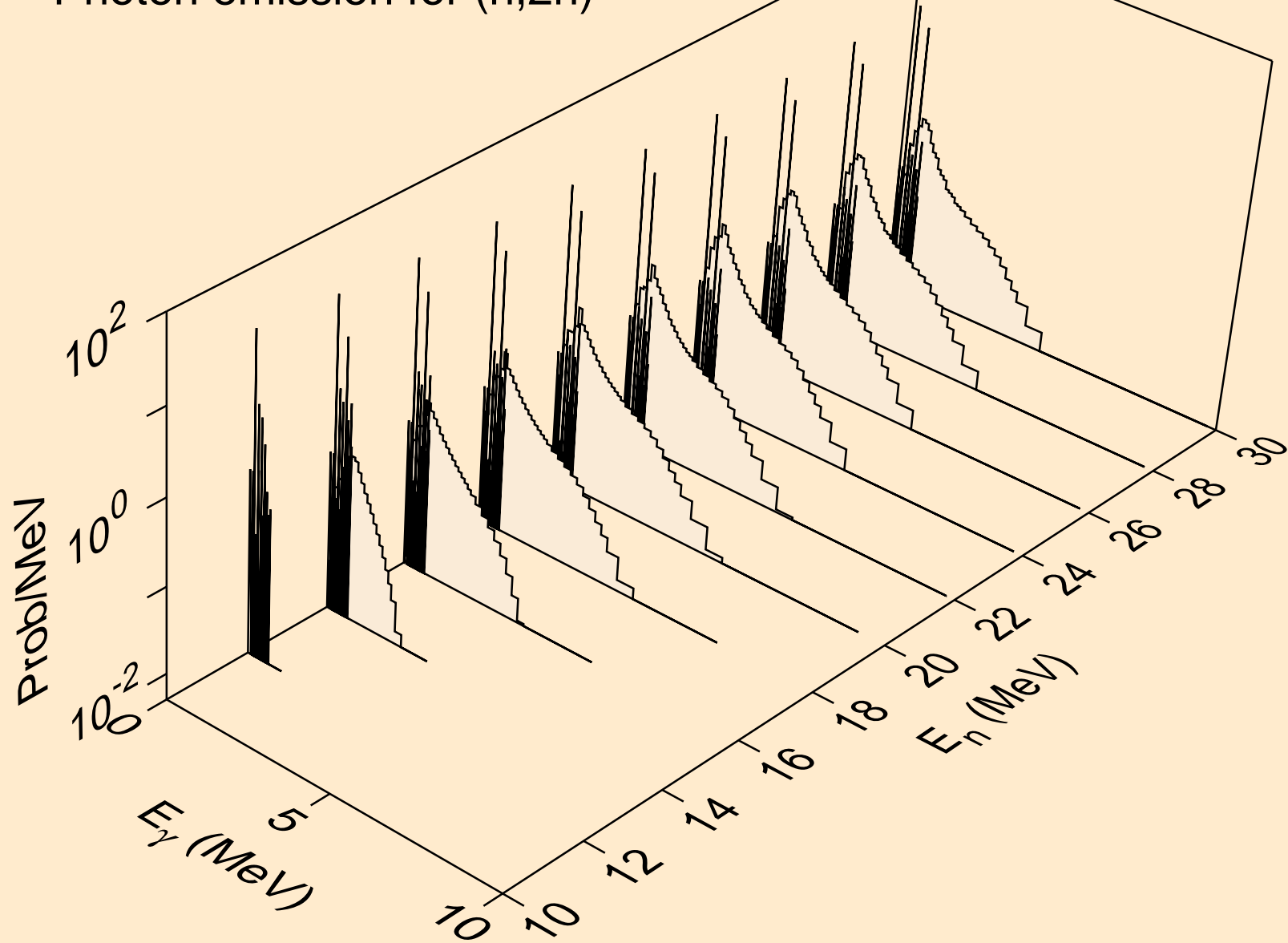
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Photon emission for (n,x)



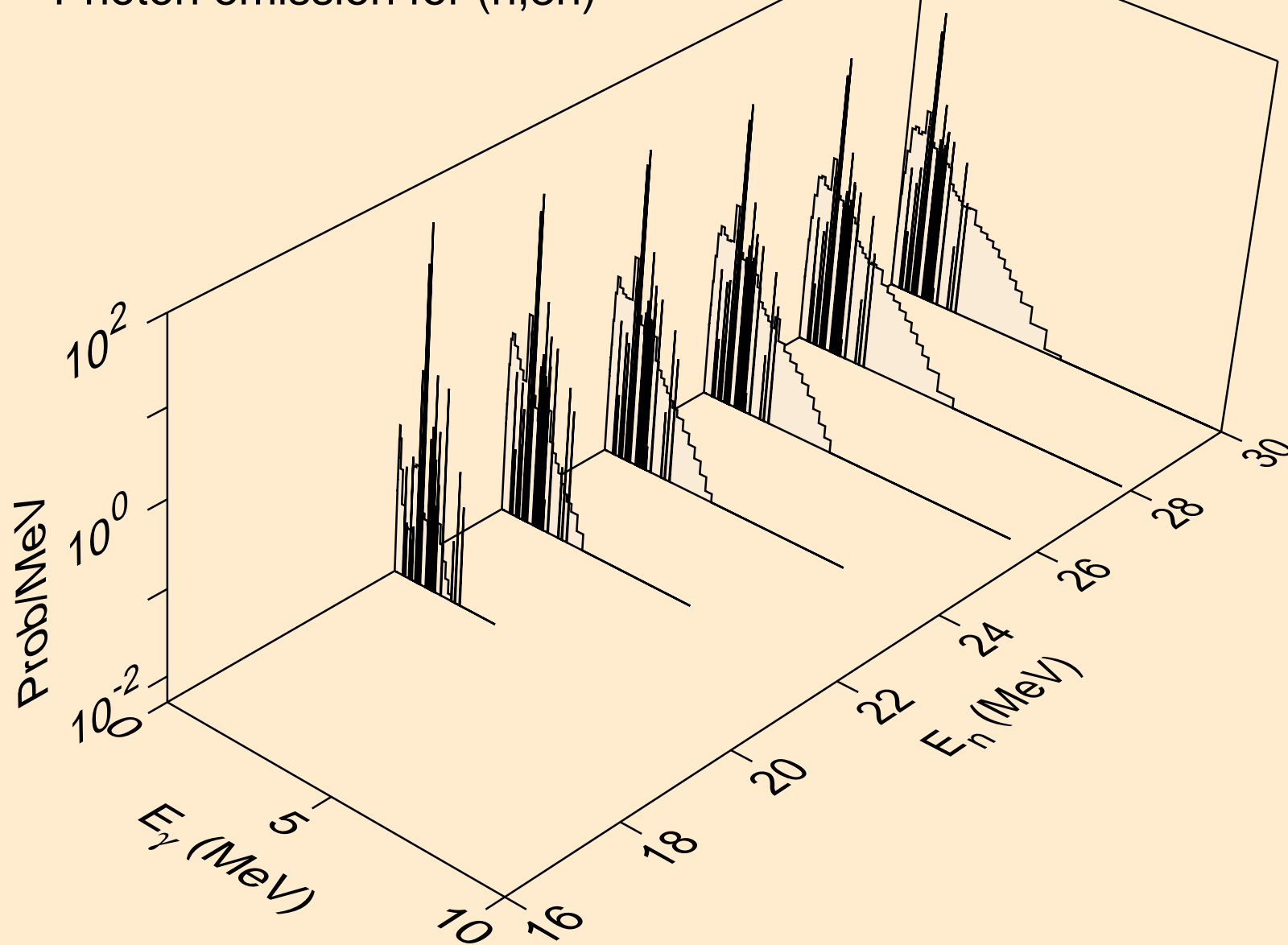
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Photon emission for (n,2nd)



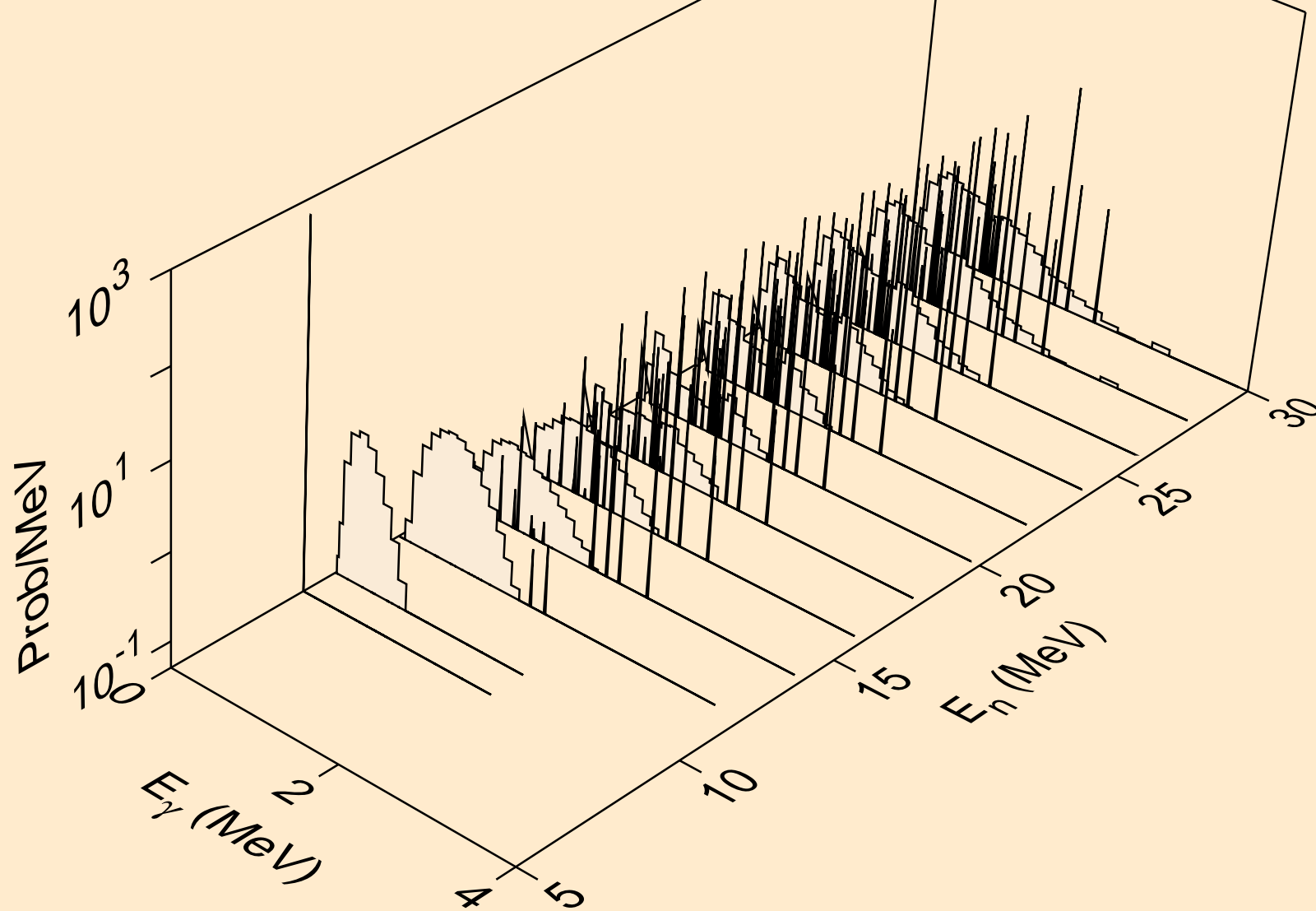
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Photon emission for (n,2n)



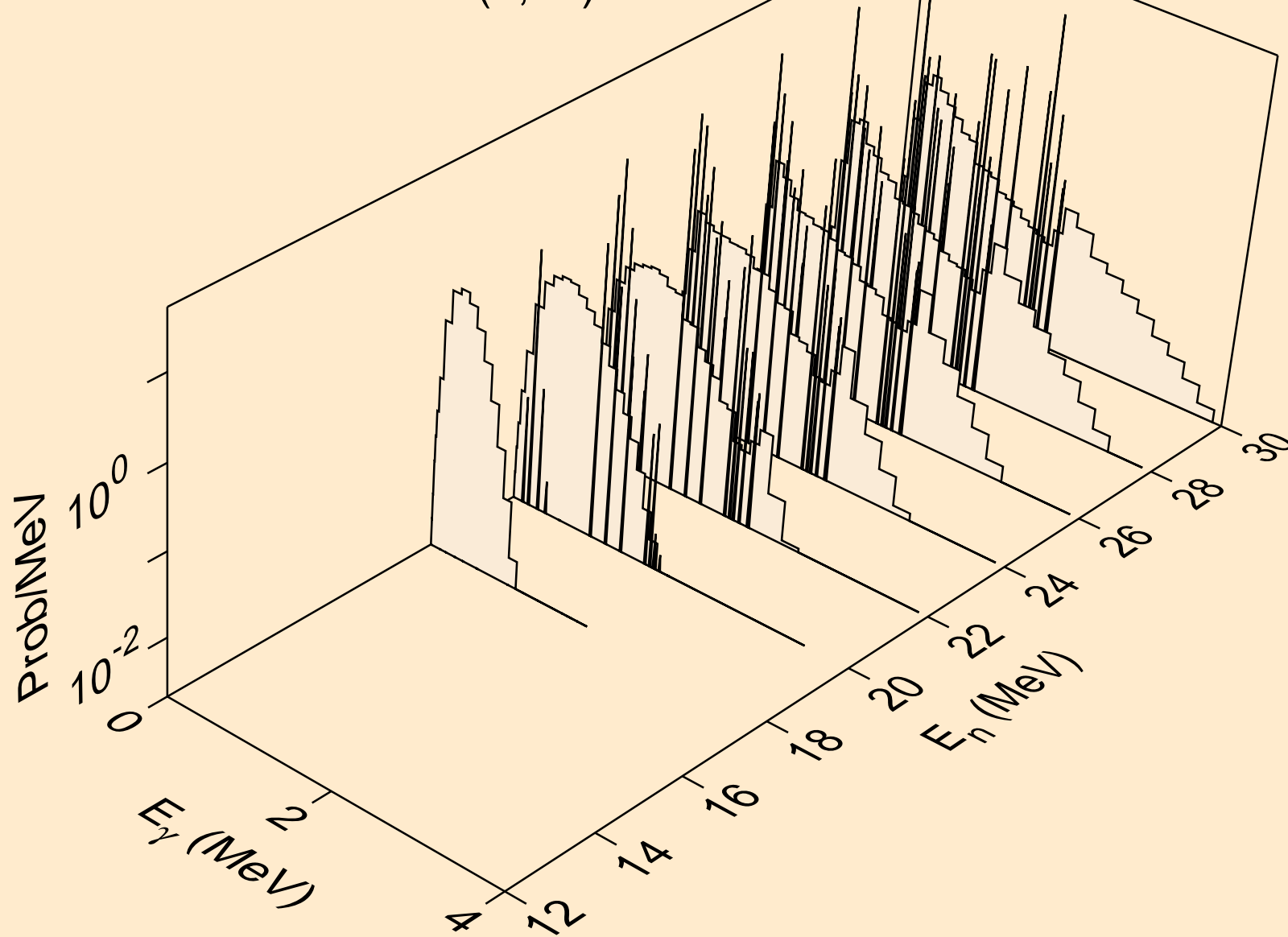
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Photon emission for (n,3n)



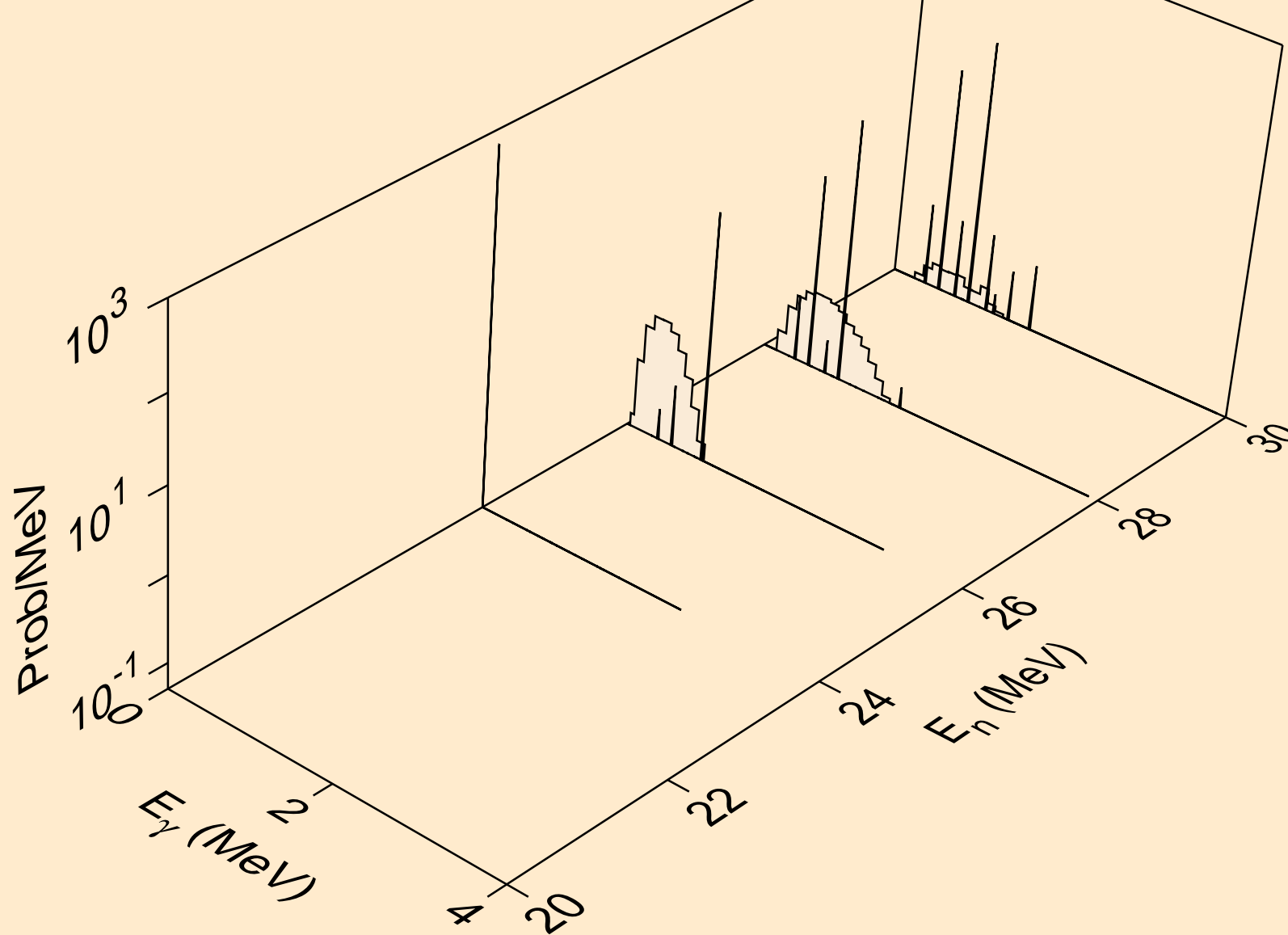
ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)a

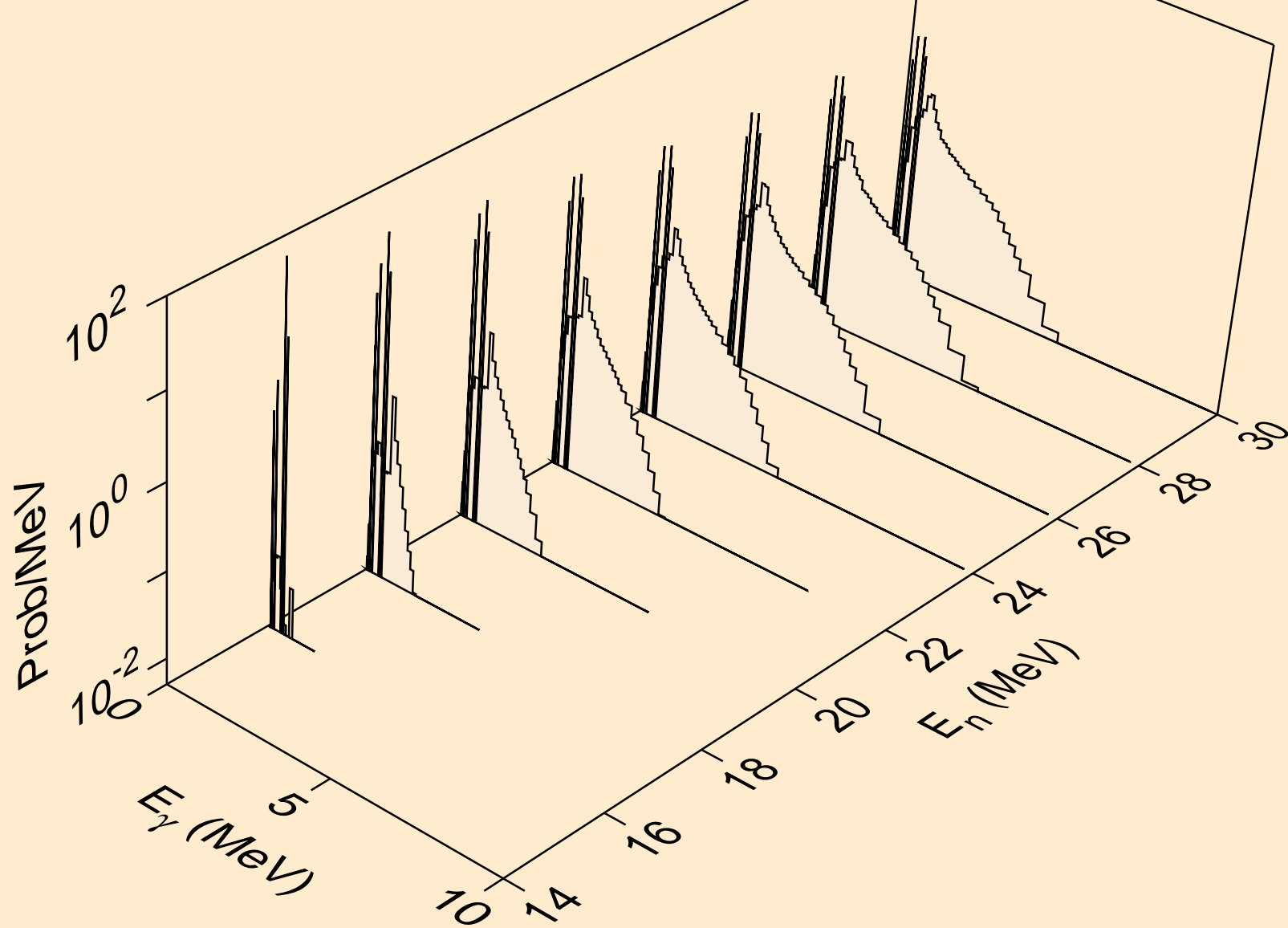


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Photon emission for (n,3n)a

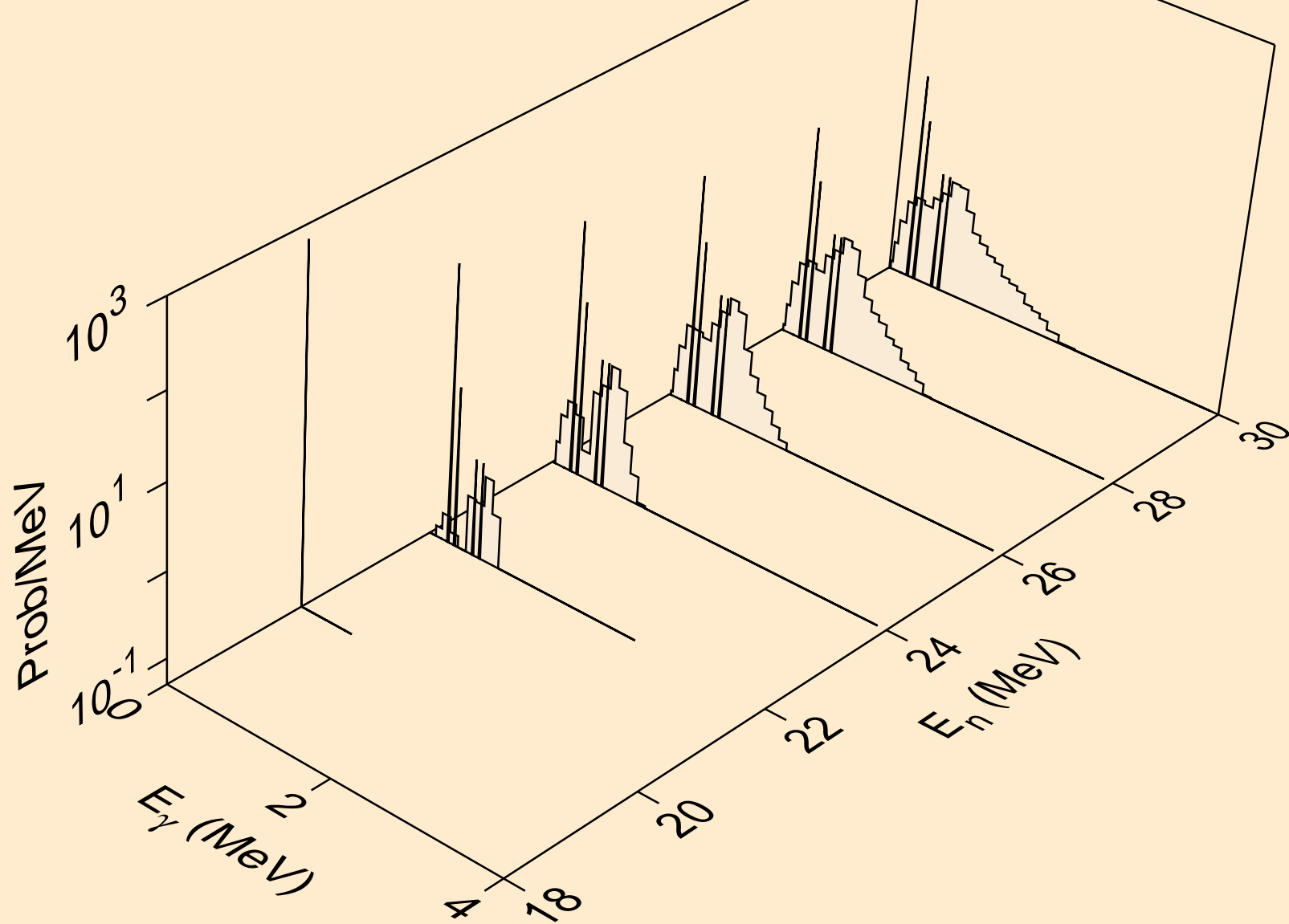




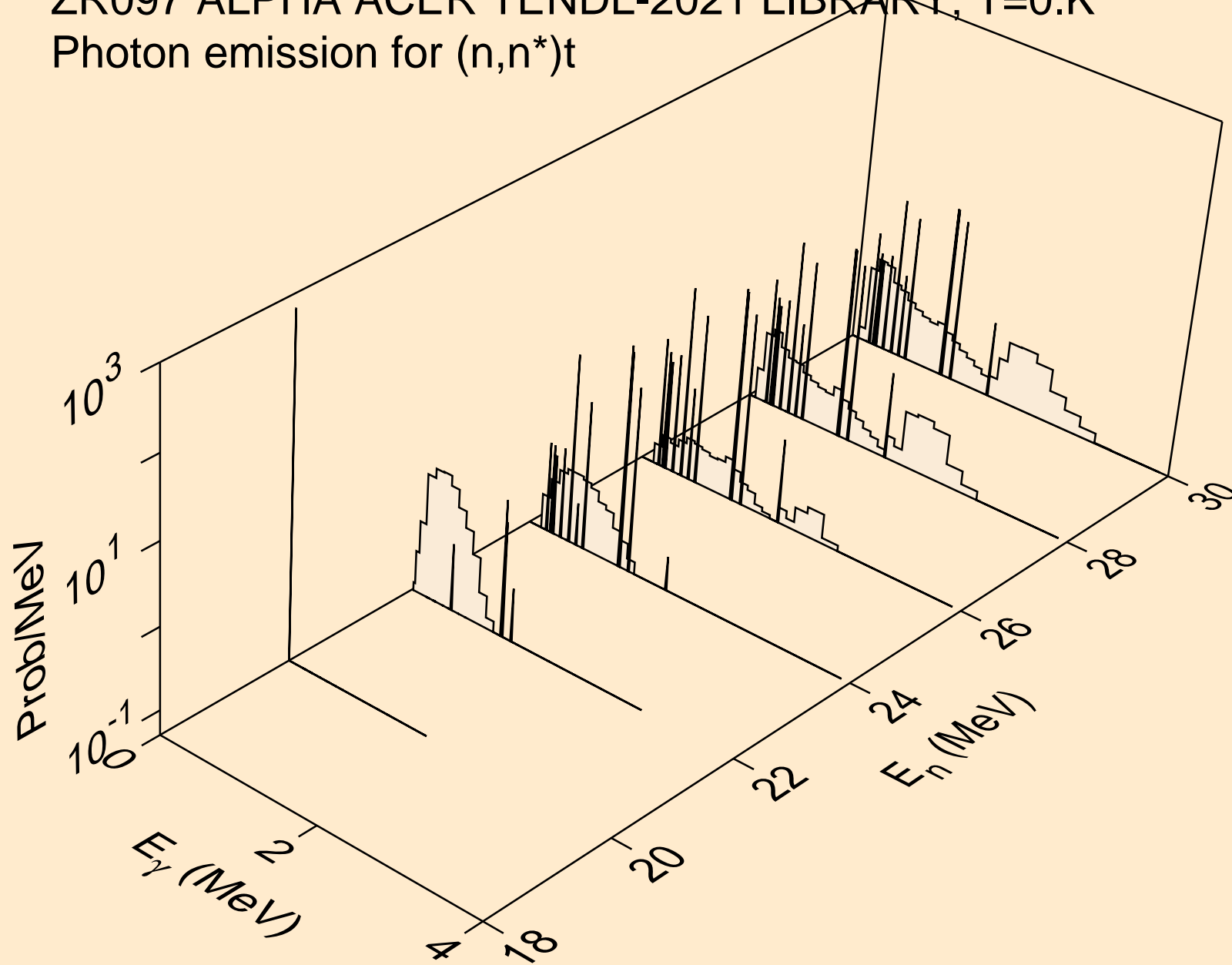
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Photon emission for (n,n\*)p



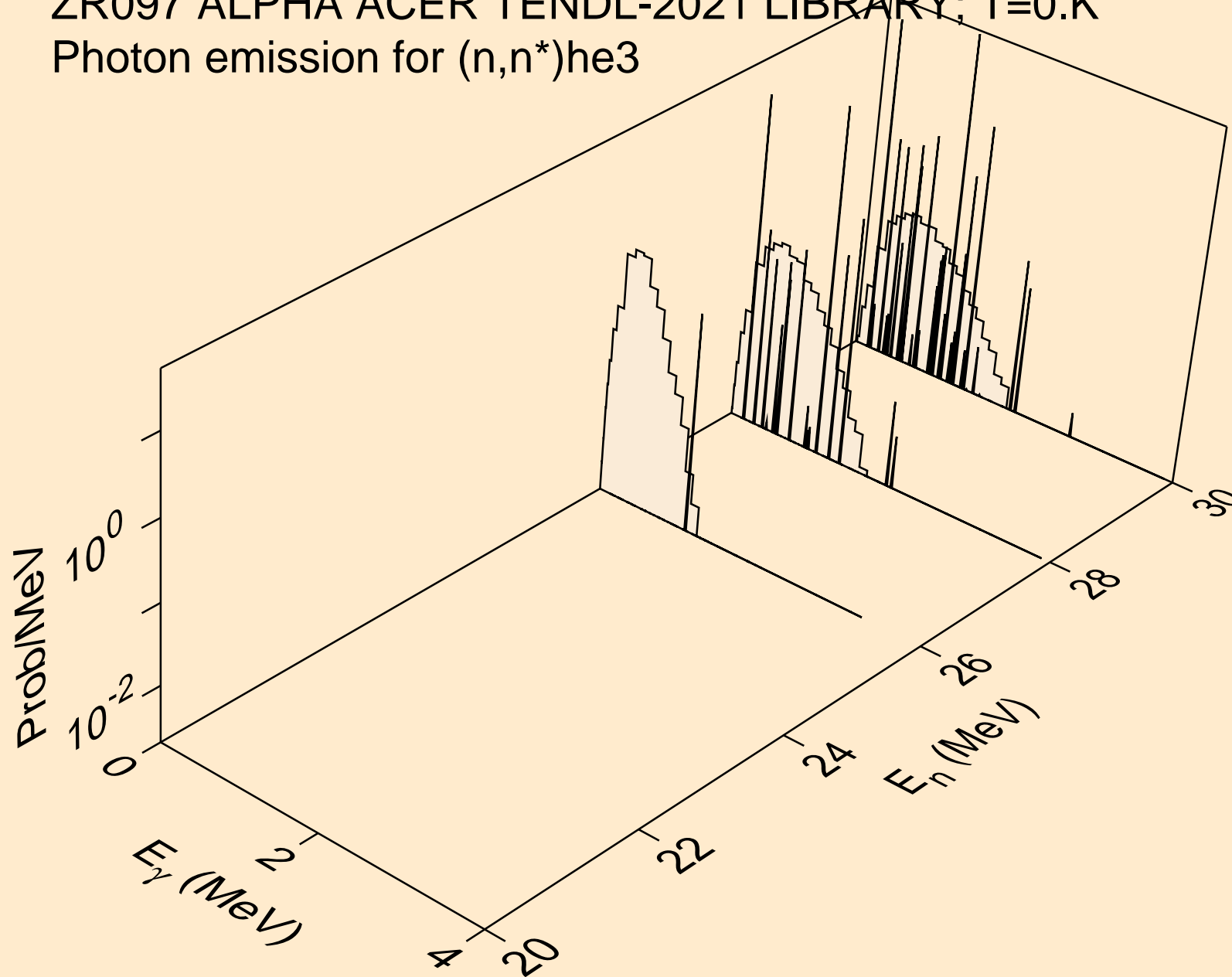
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Photon emission for (n,n\*)d



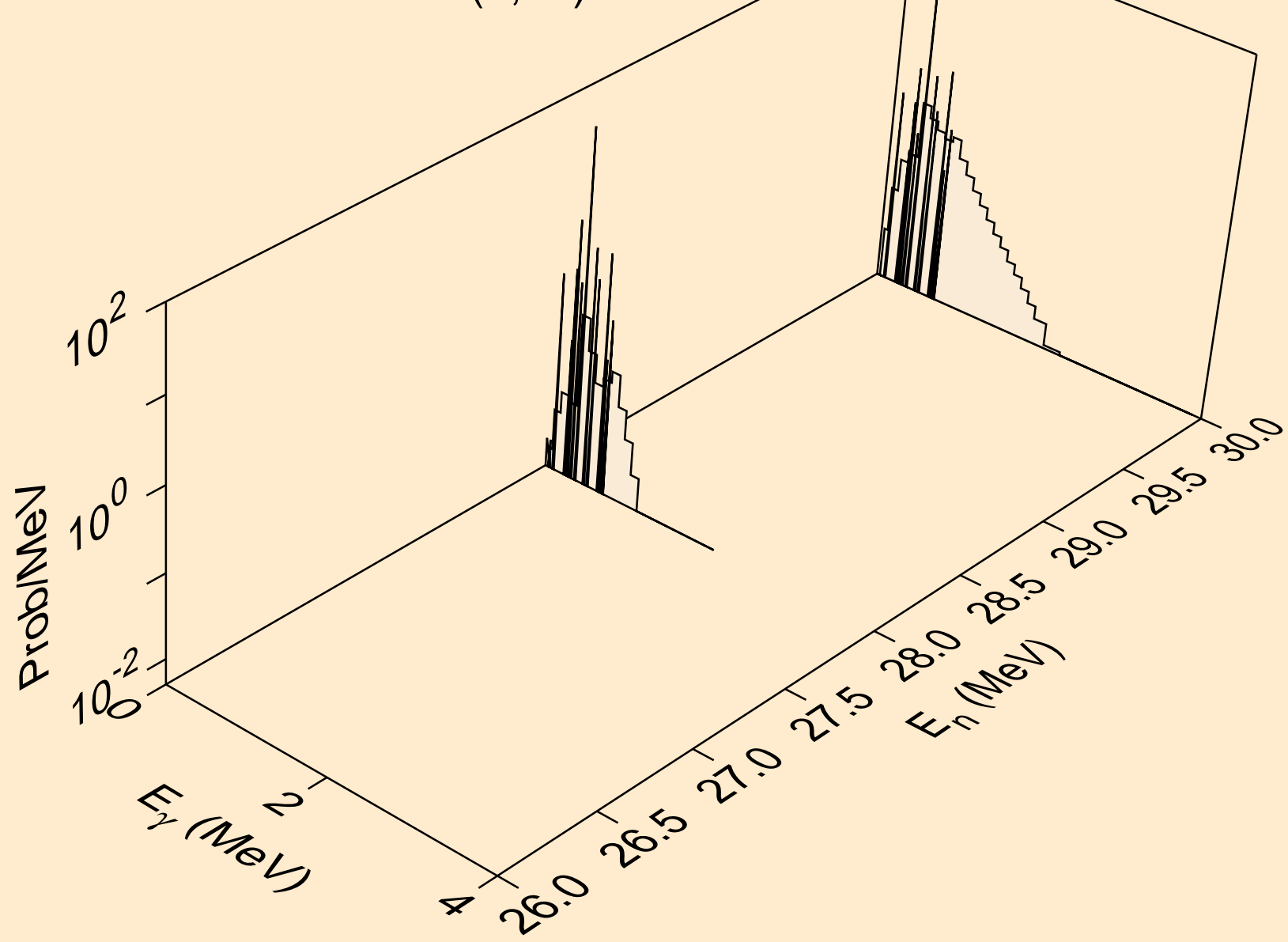
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Photon emission for (n,n\*)t



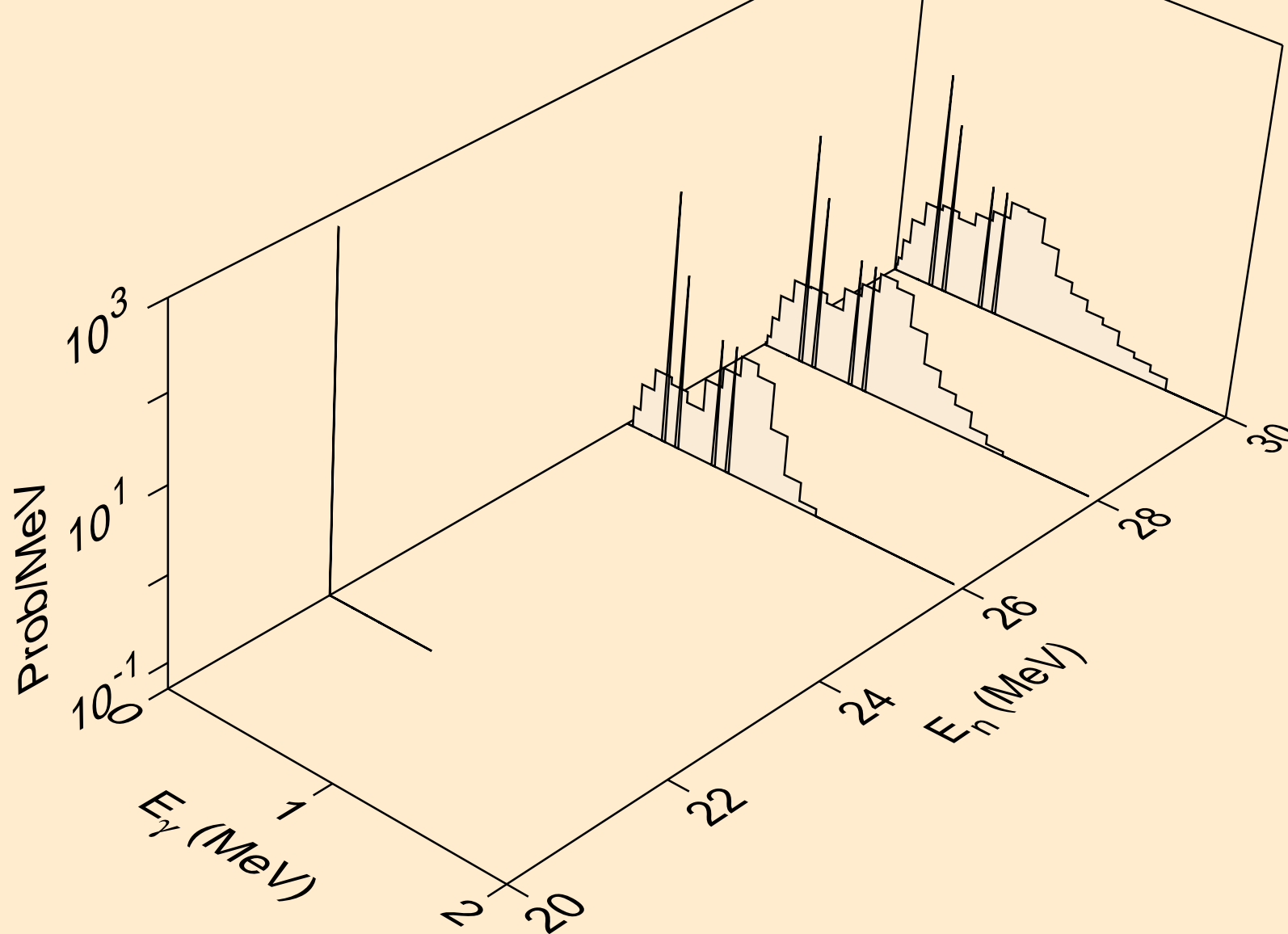
ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



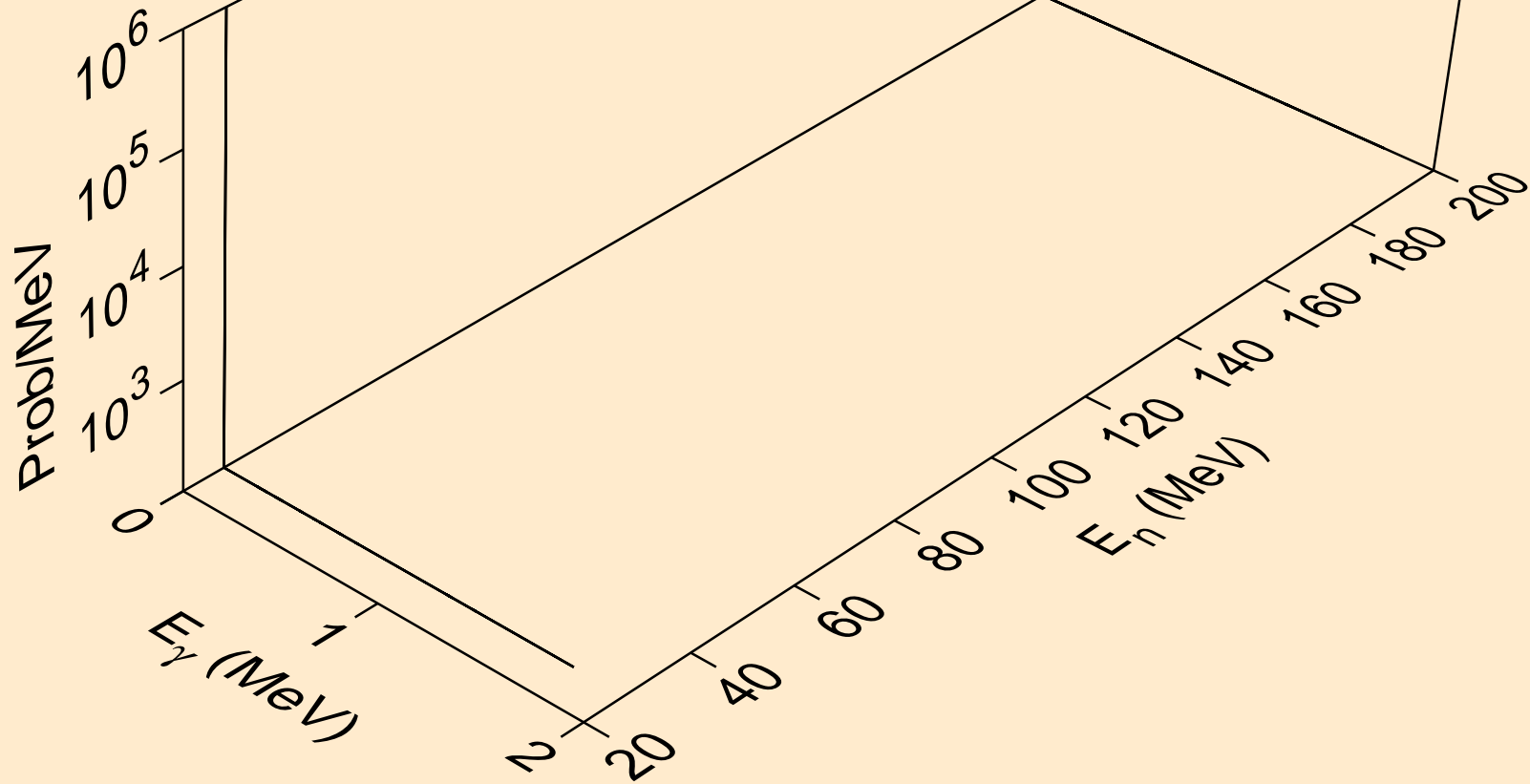
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Photon emission for (n,4n)



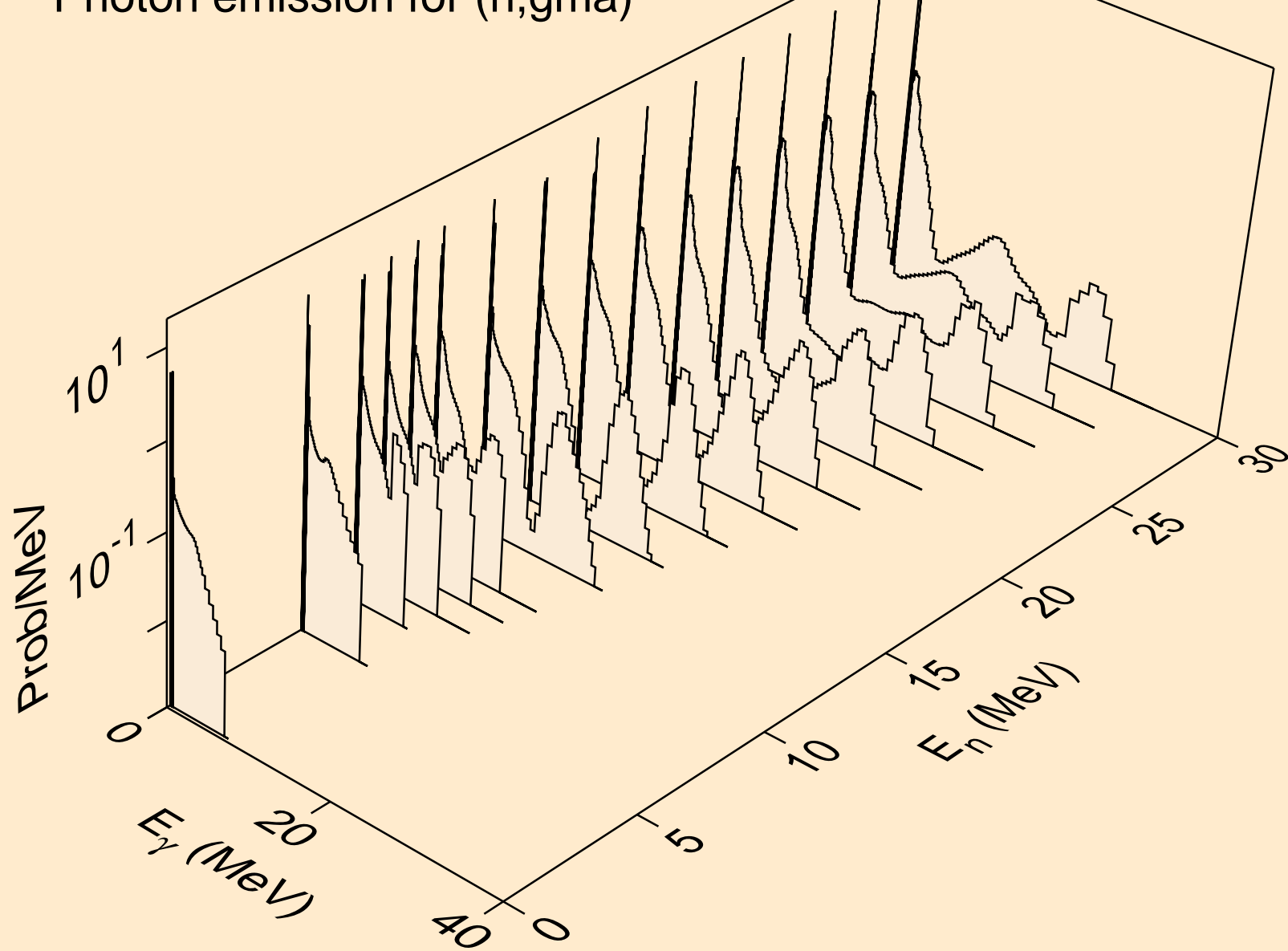
ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3np)

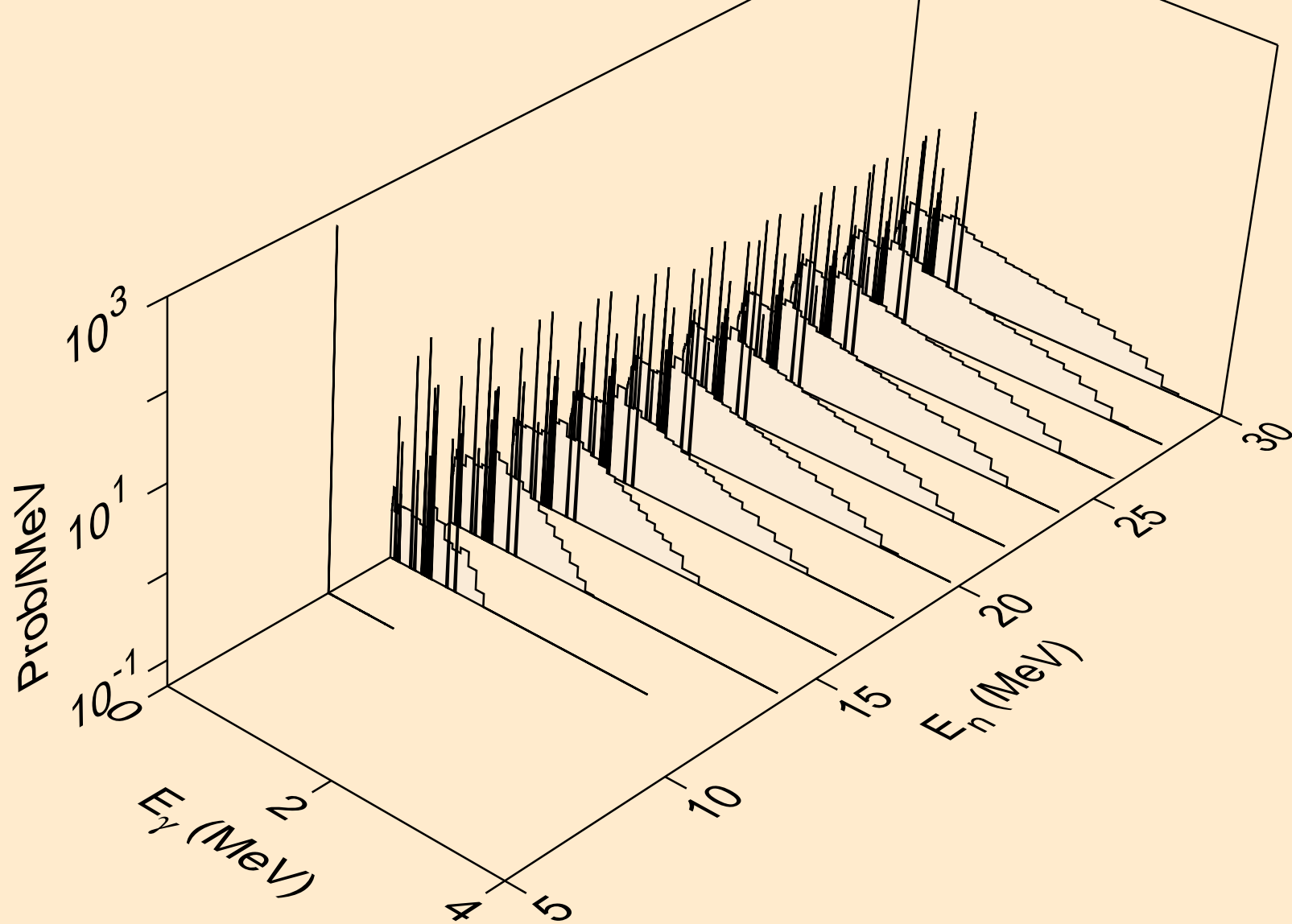


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Photon emission for (n,gma)

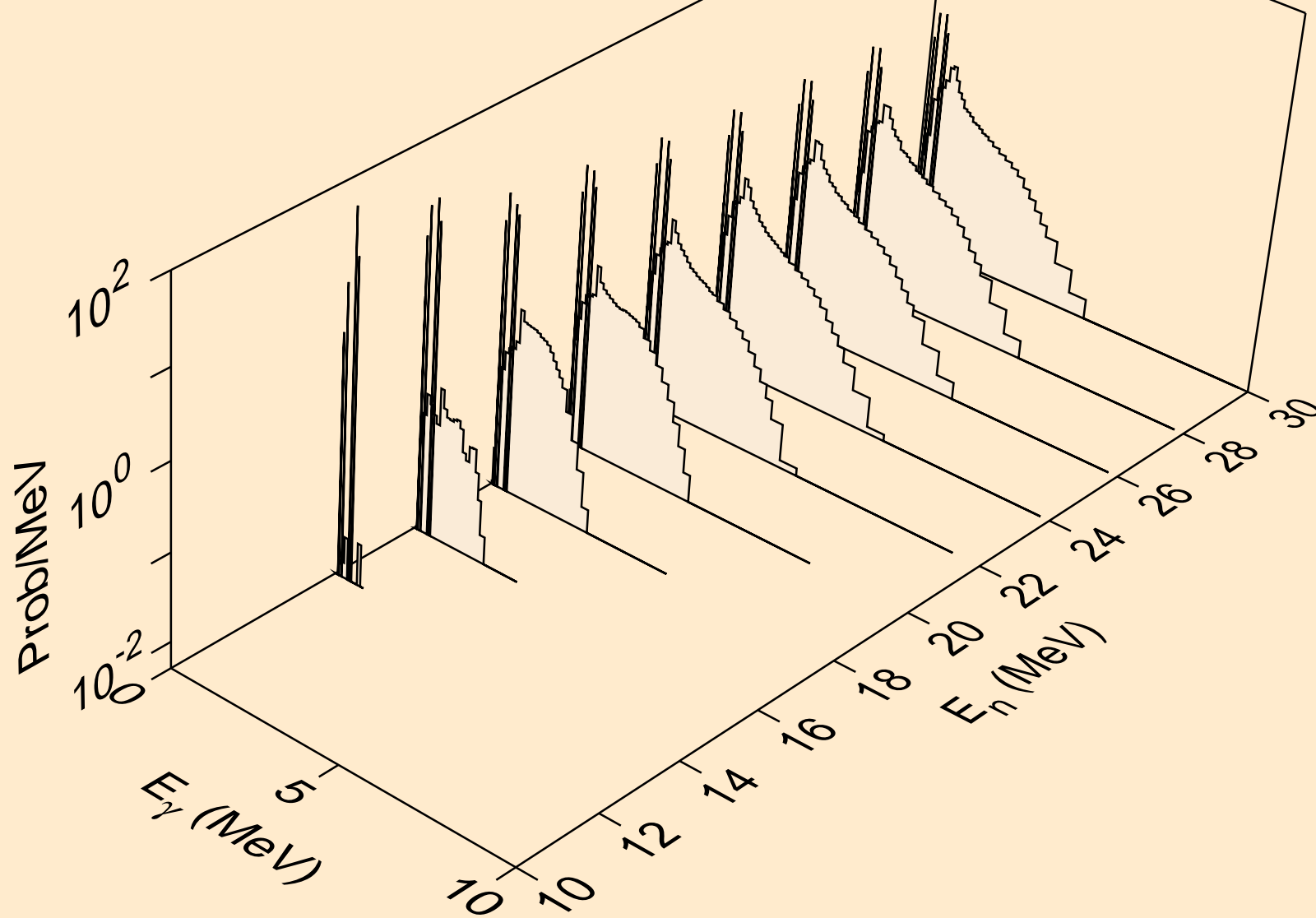




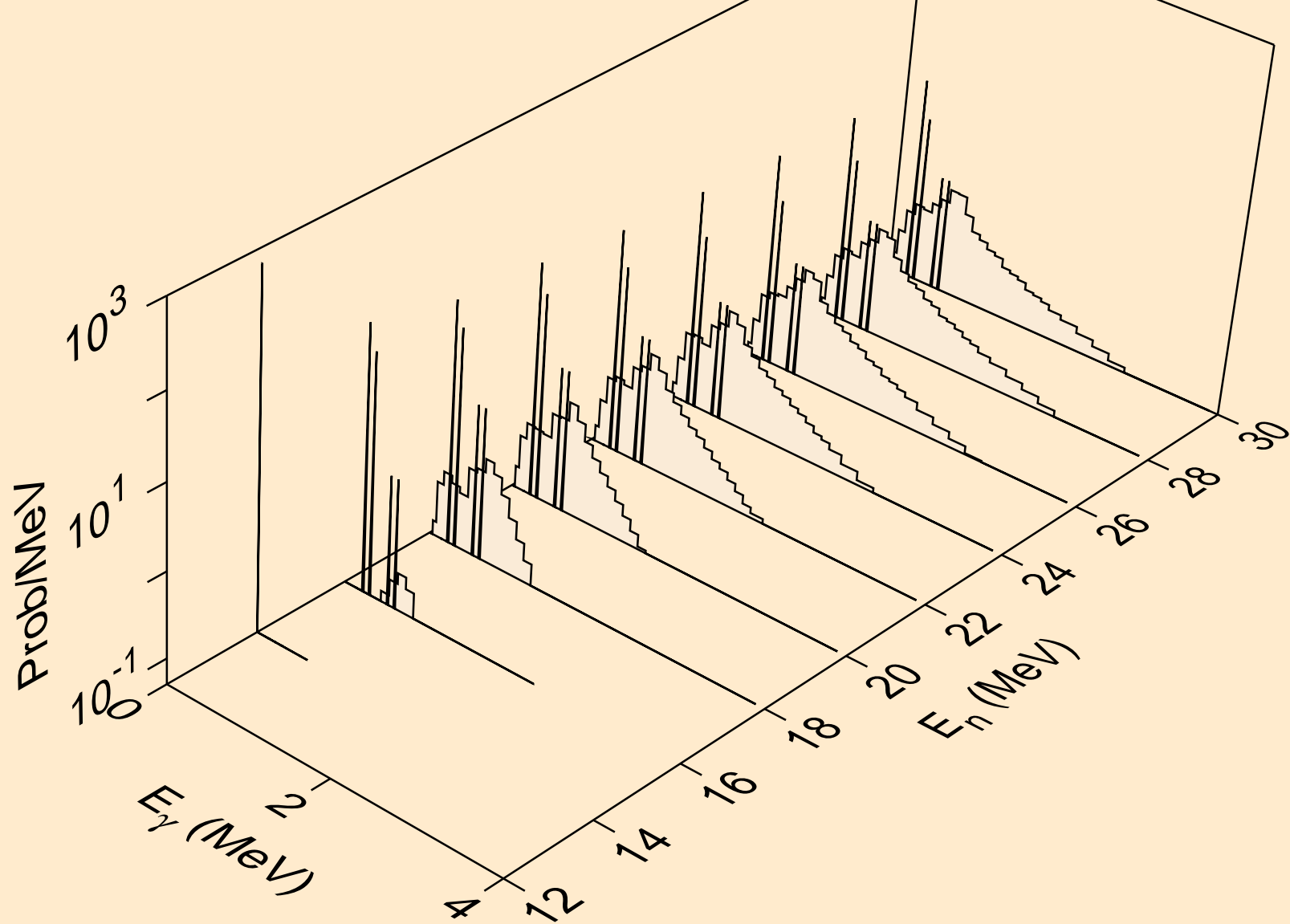
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Photon emission for (n,p)



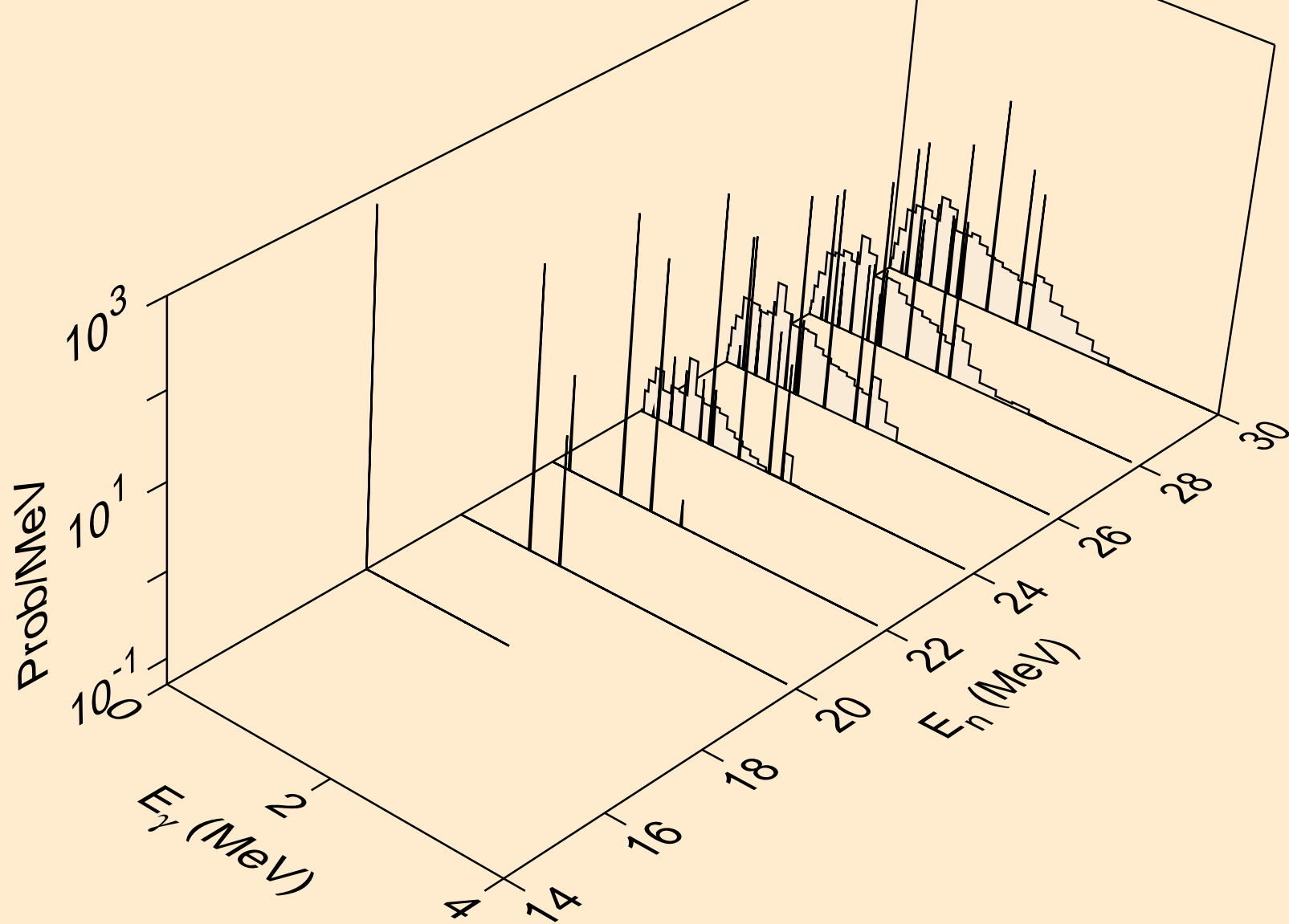
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Photon emission for (n,d)



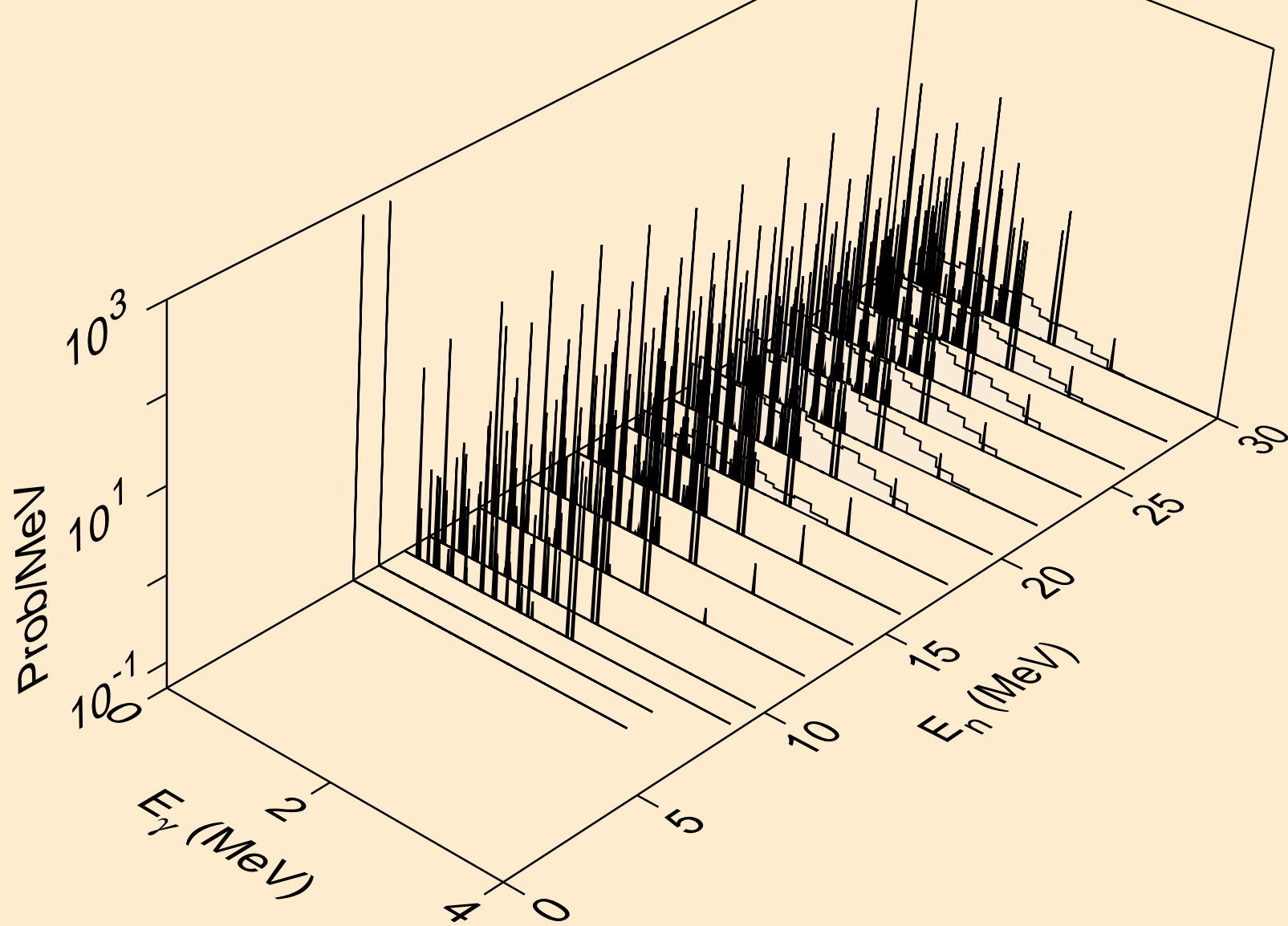
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Photon emission for (n,t)



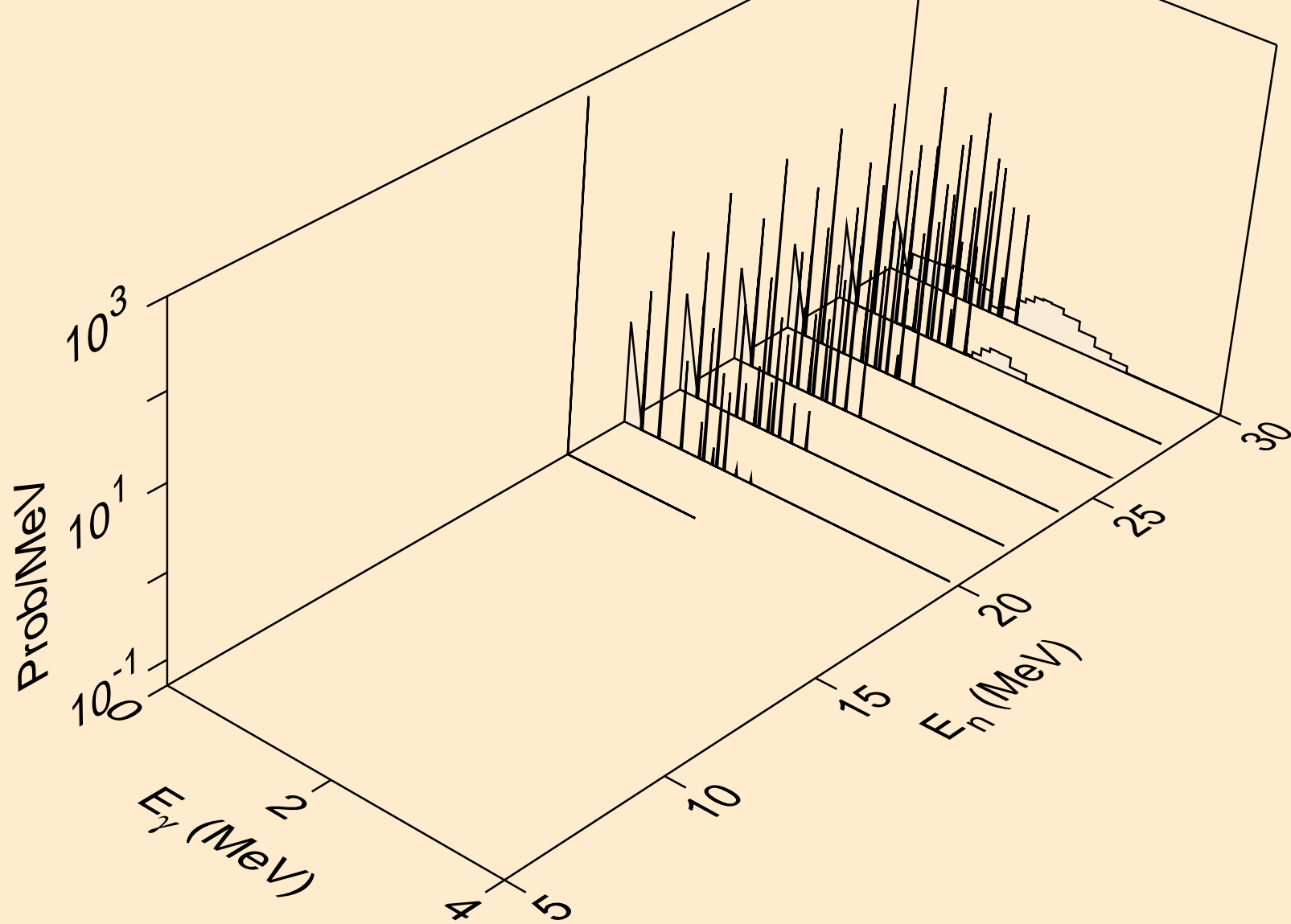
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Photon emission for (n,he3)



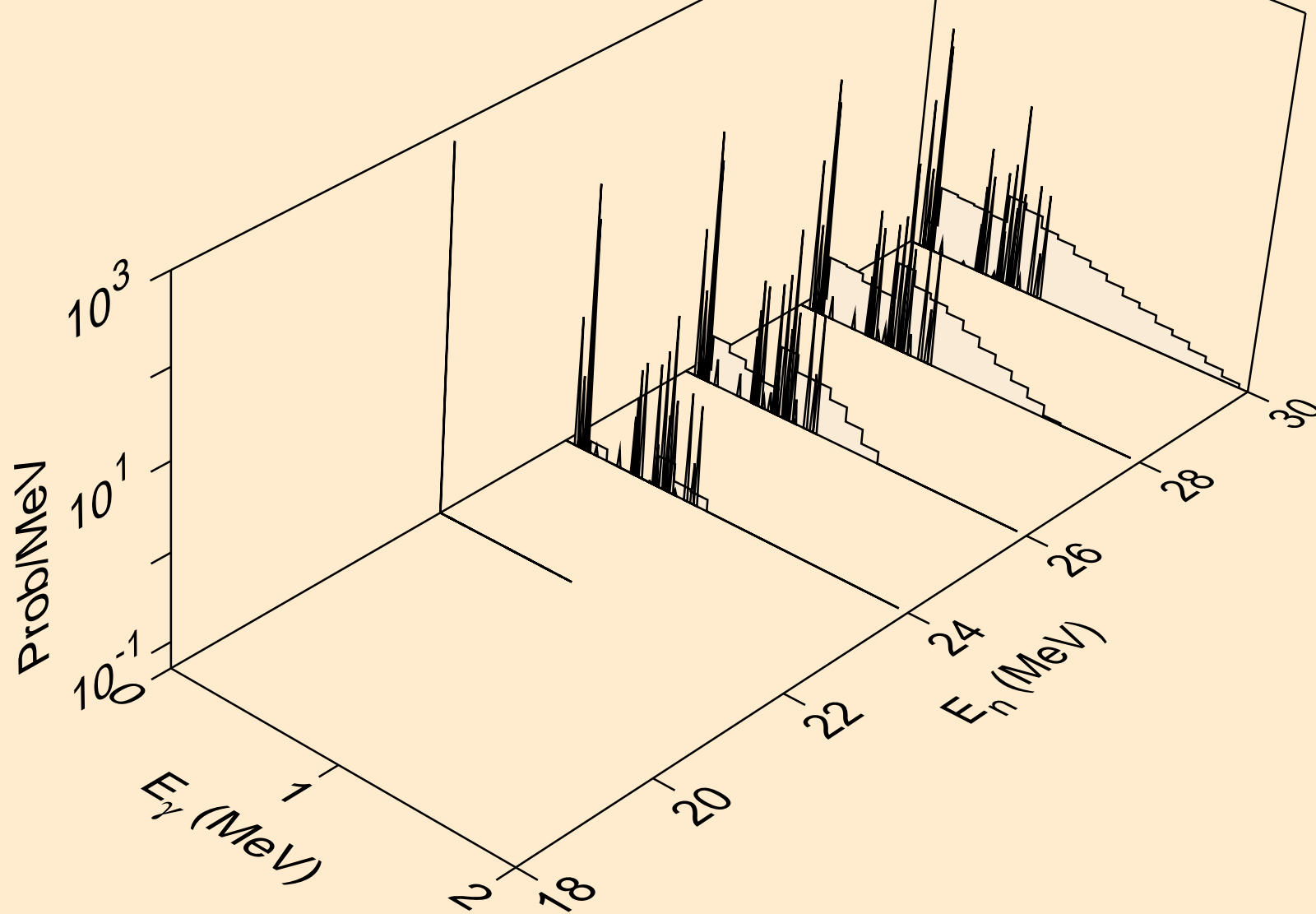
ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



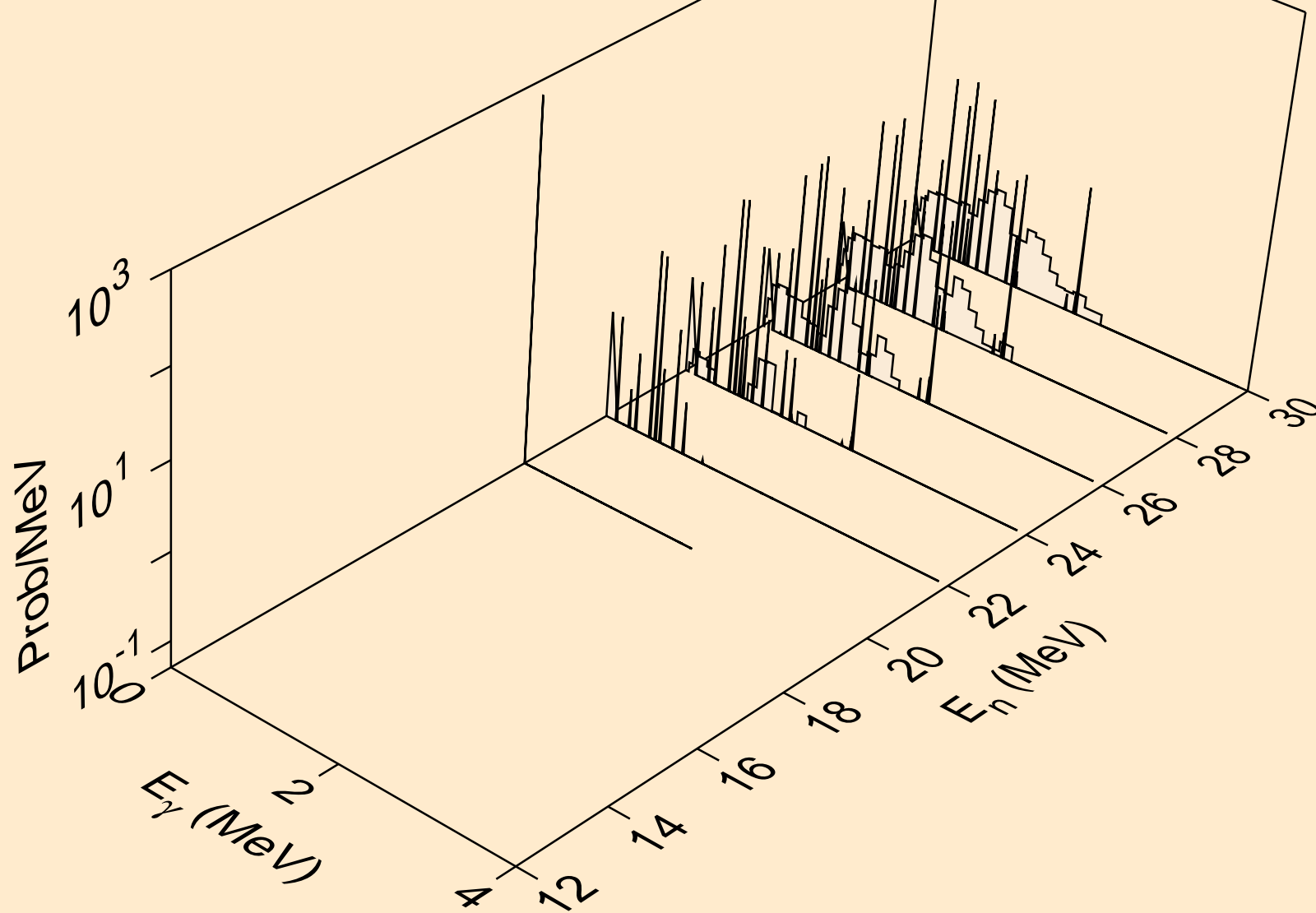
ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2a)



ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)

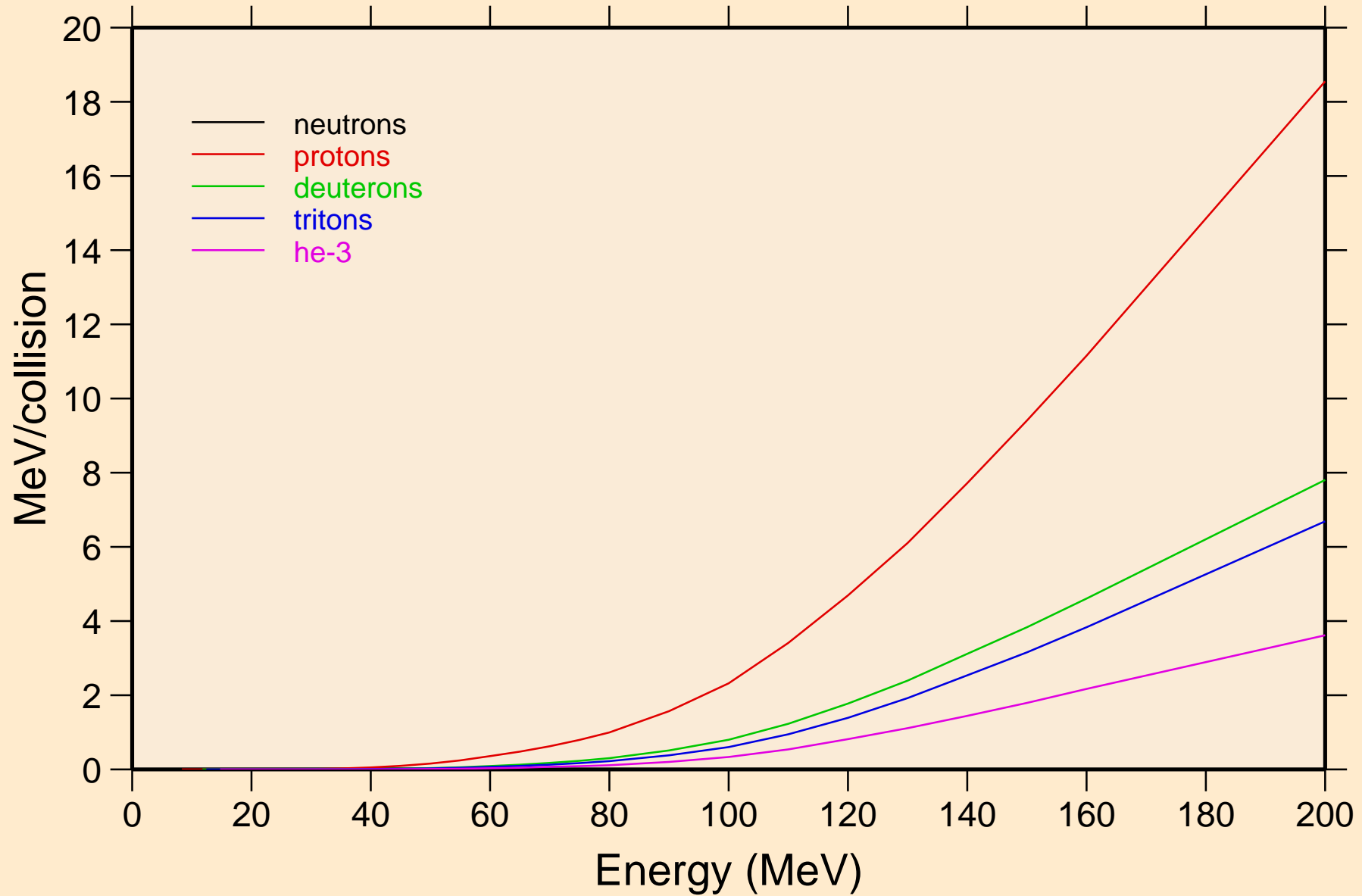


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Photon emission for (n,pa)

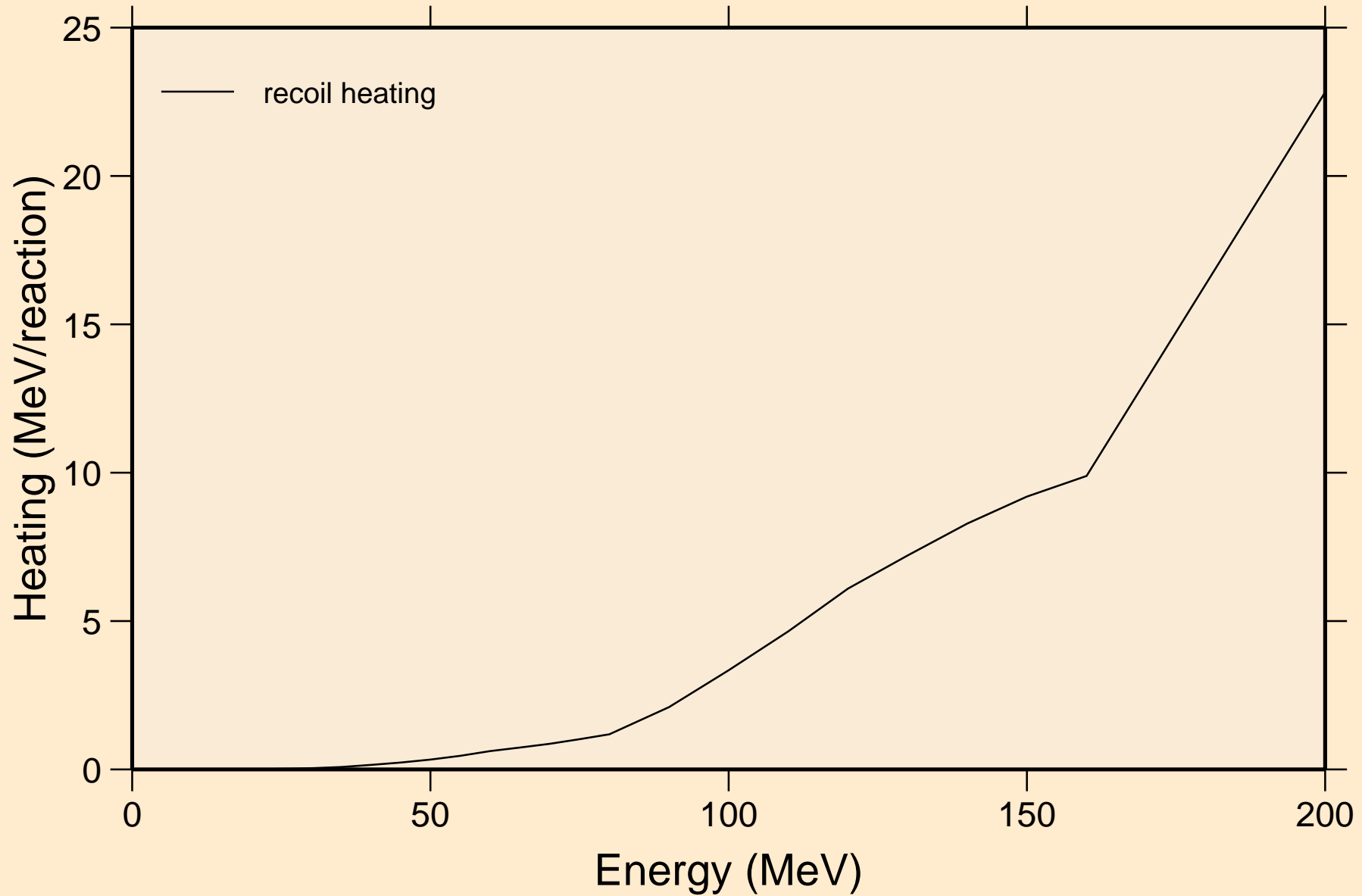




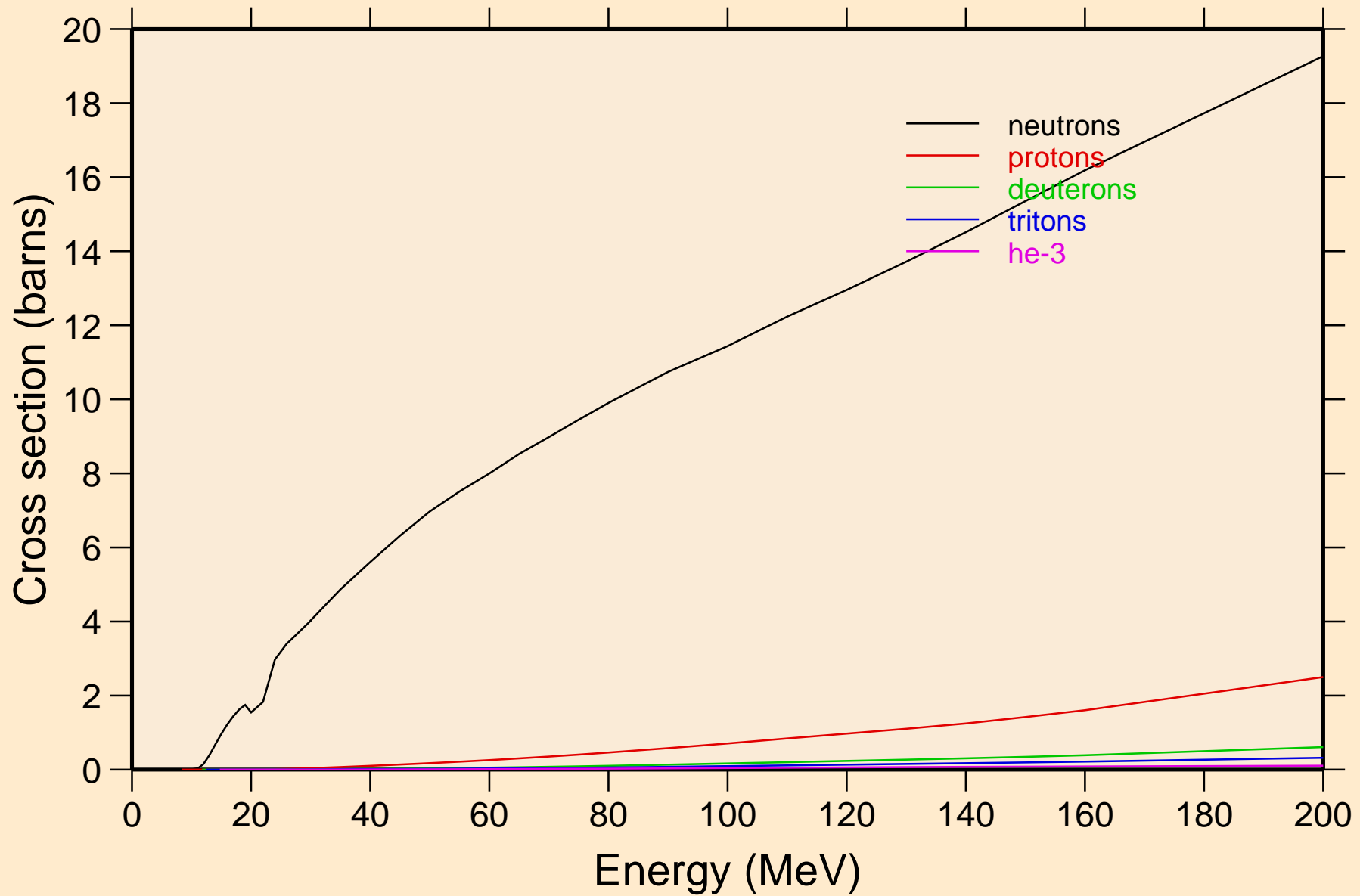
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Particle heating contributions



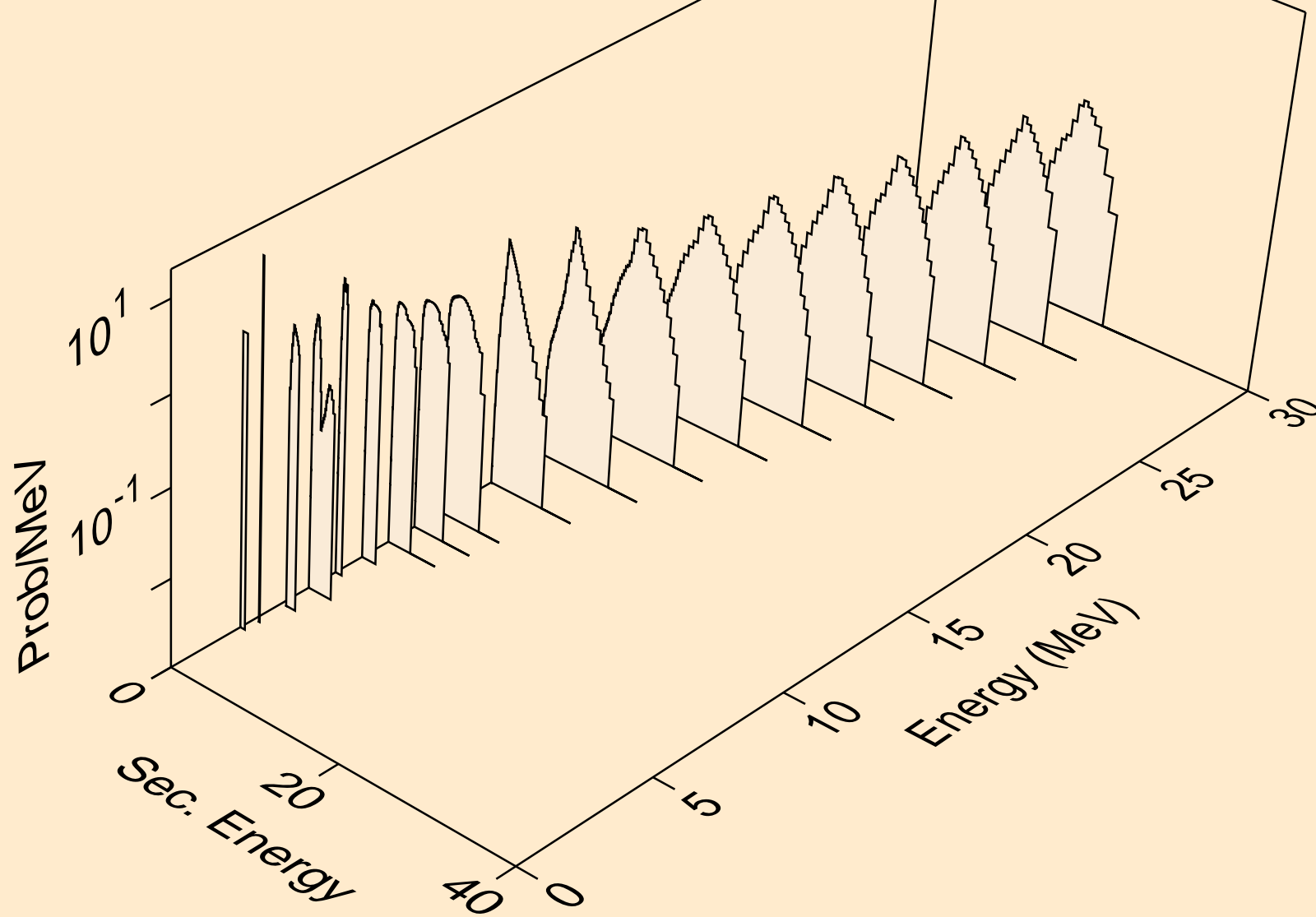
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Recoil Heating



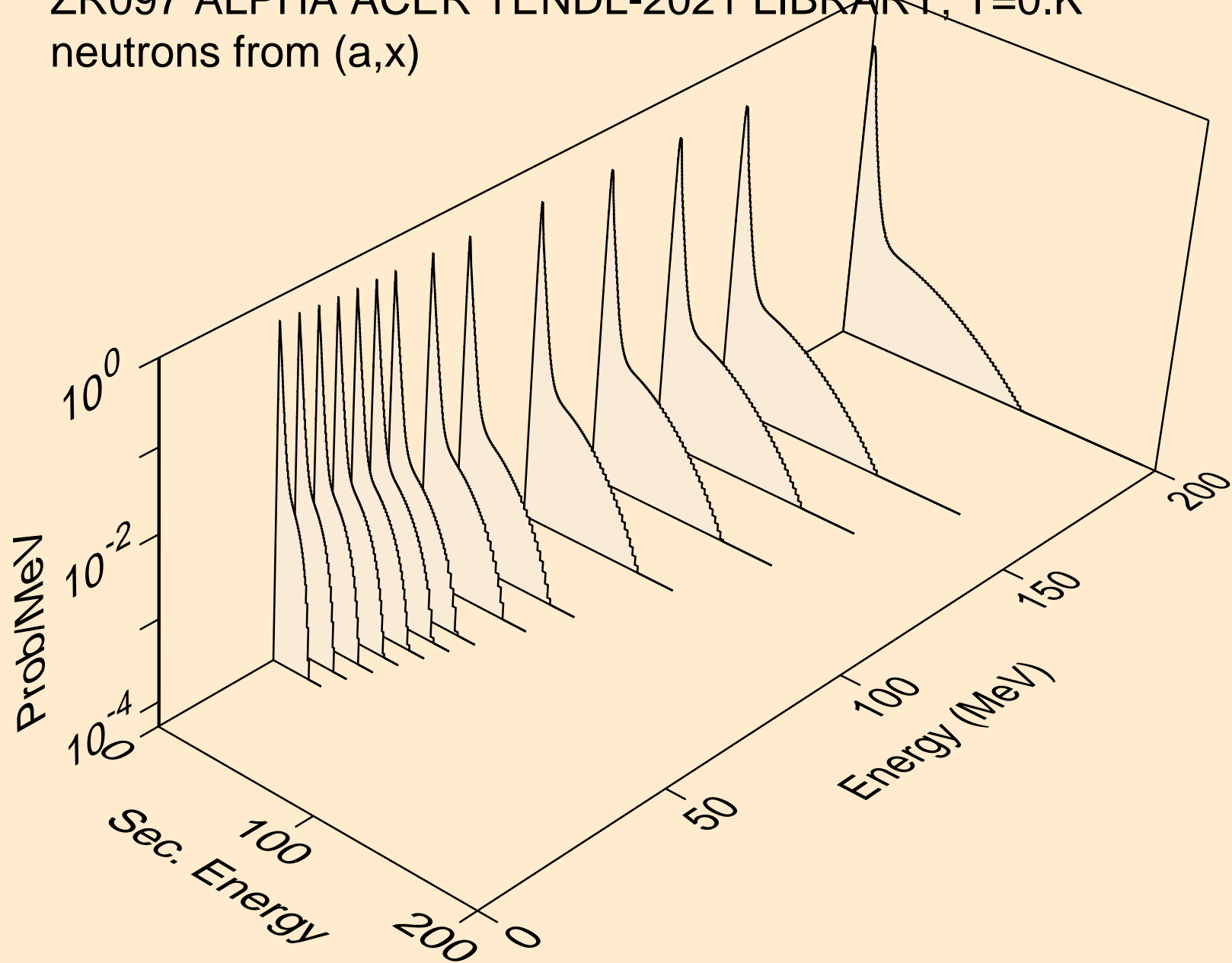
ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections



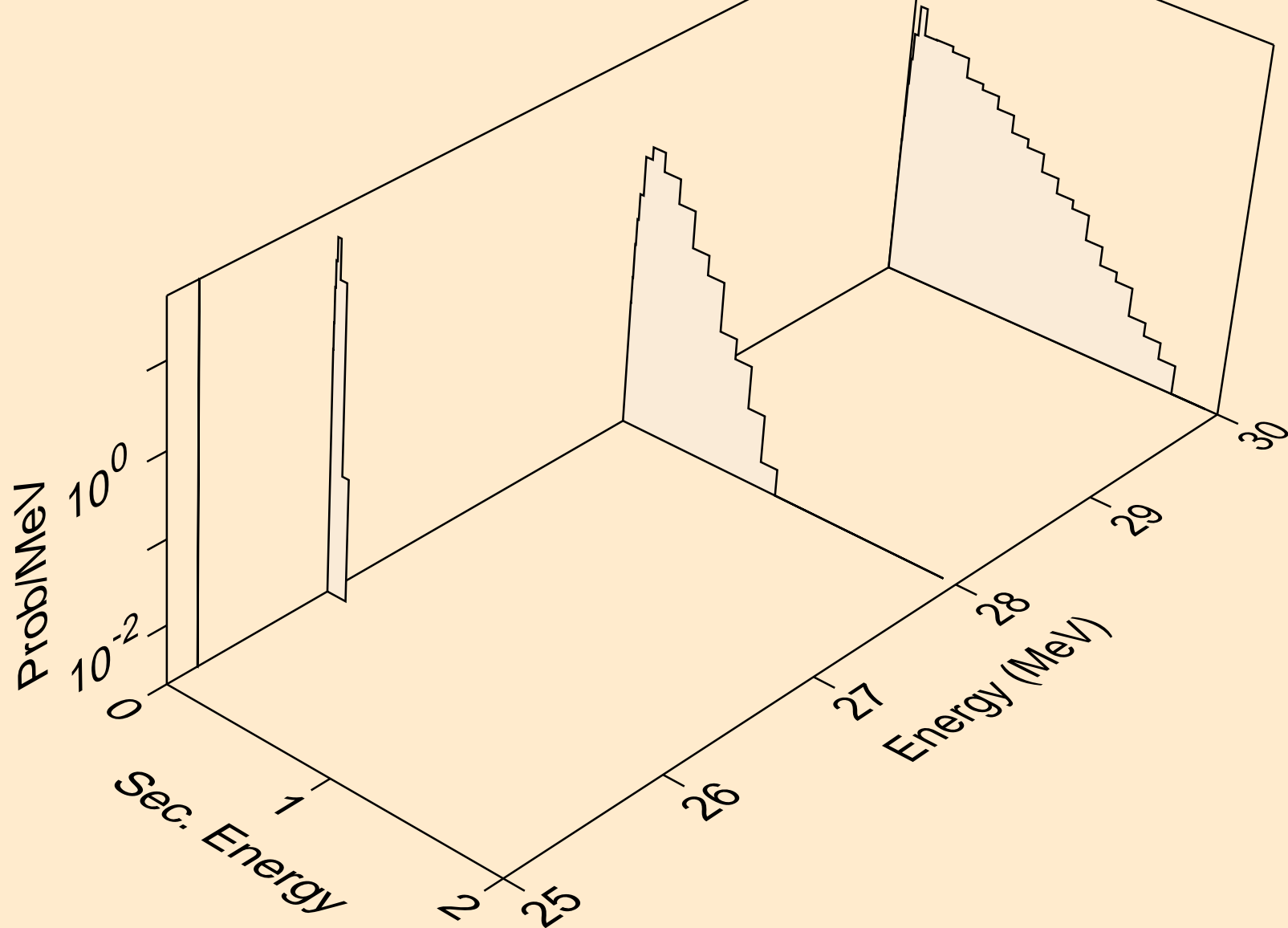
ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n)



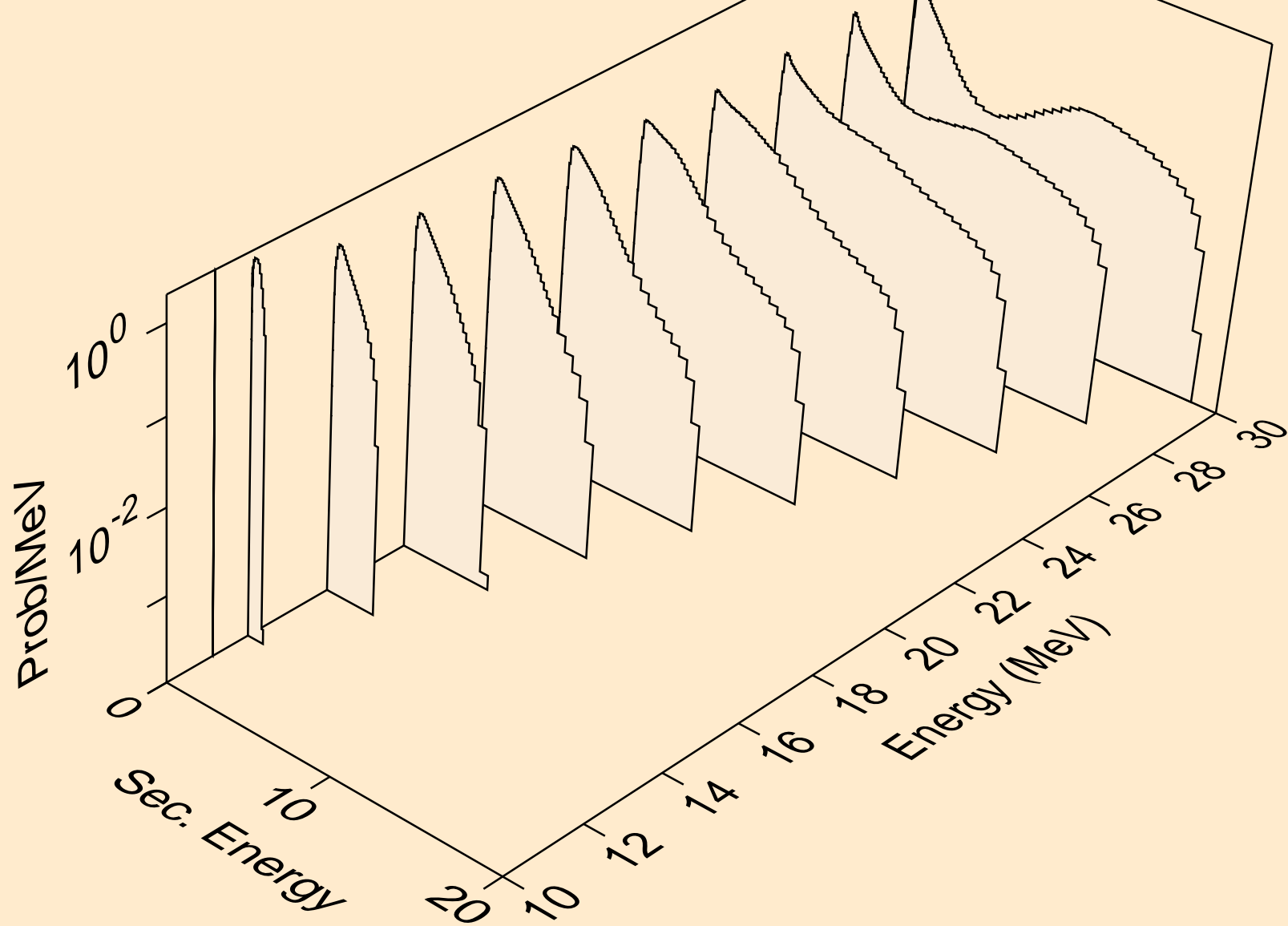
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neutrons from (a,x)



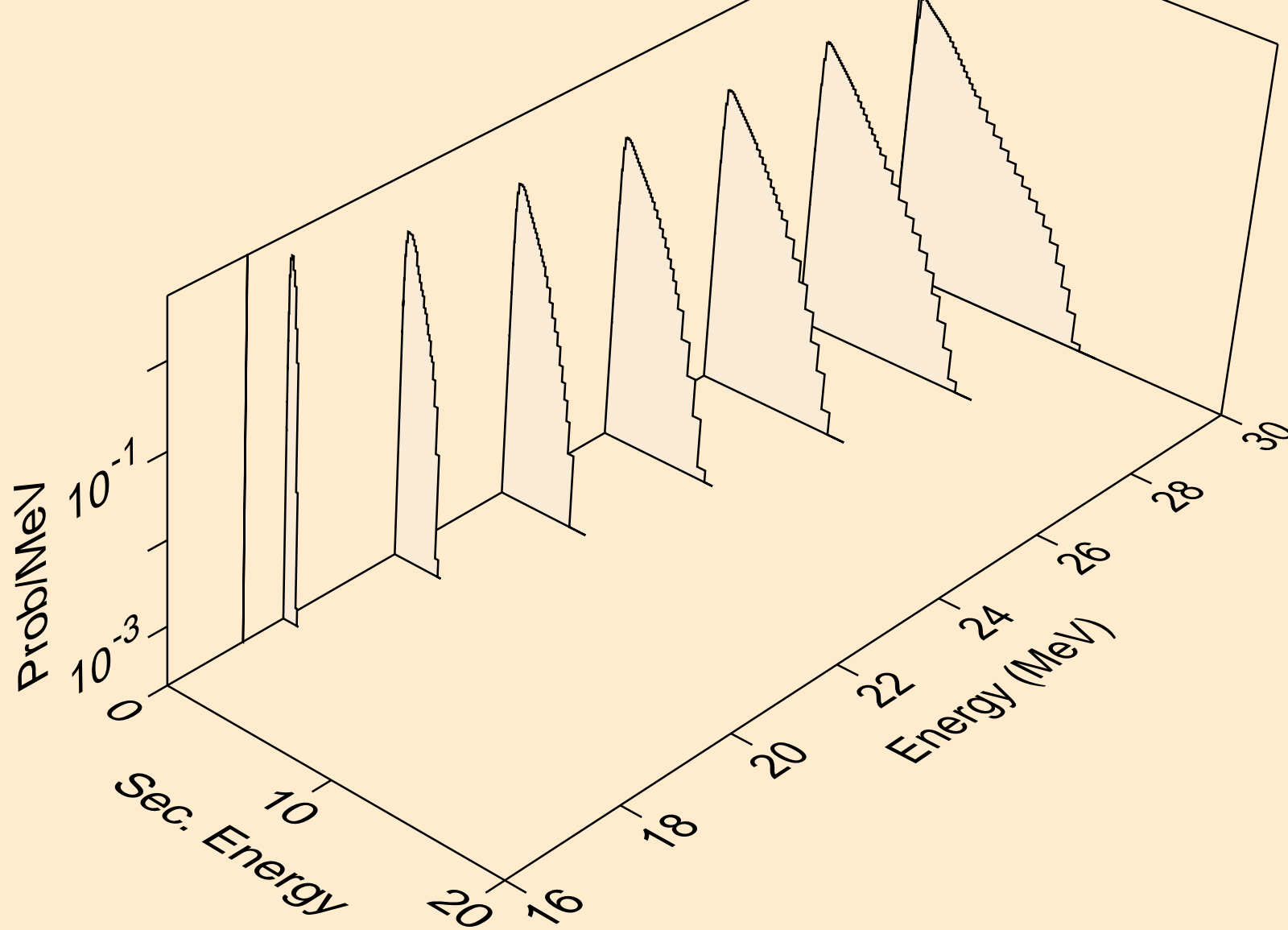
ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,2nd)



ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,2n)

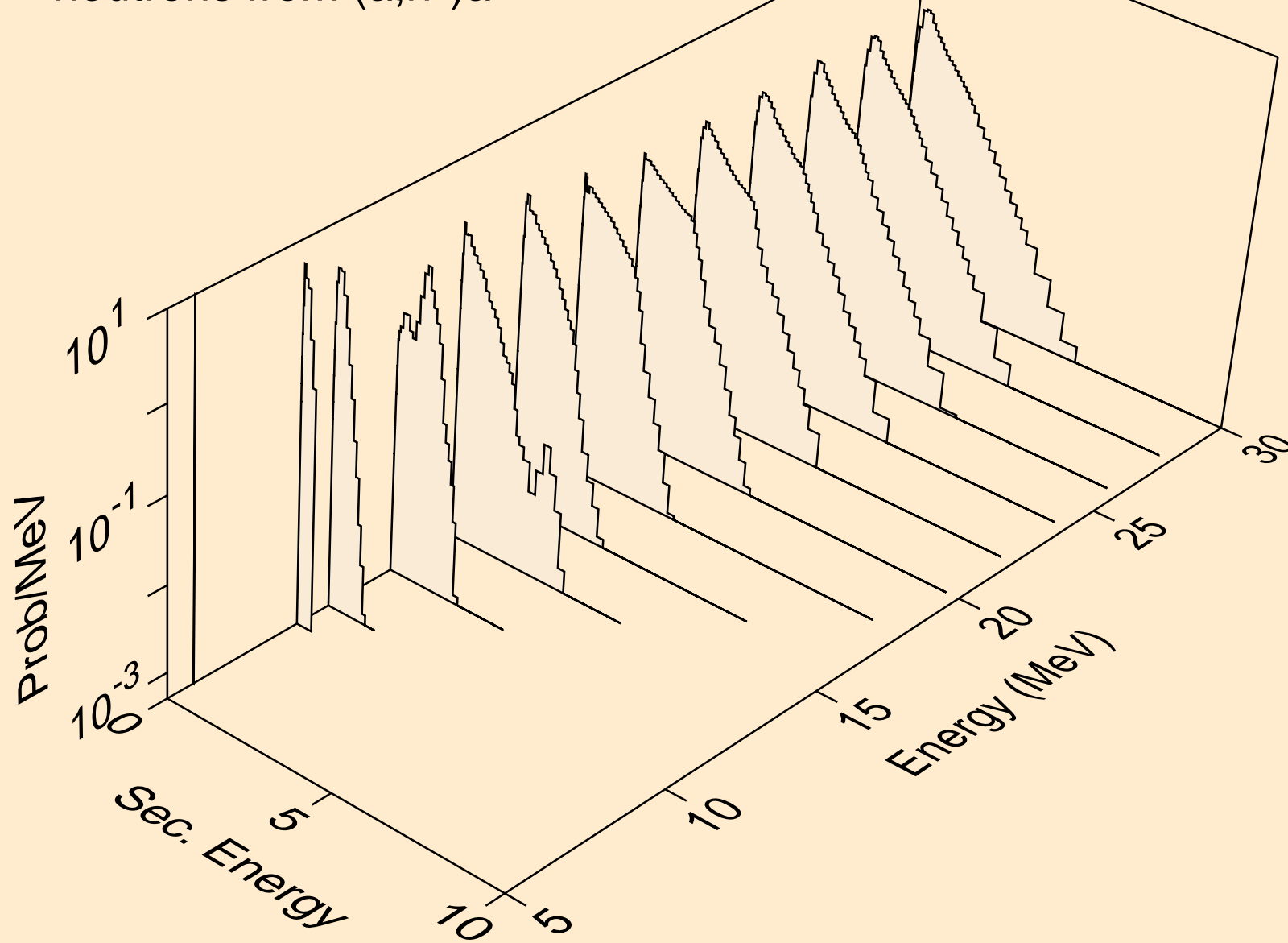


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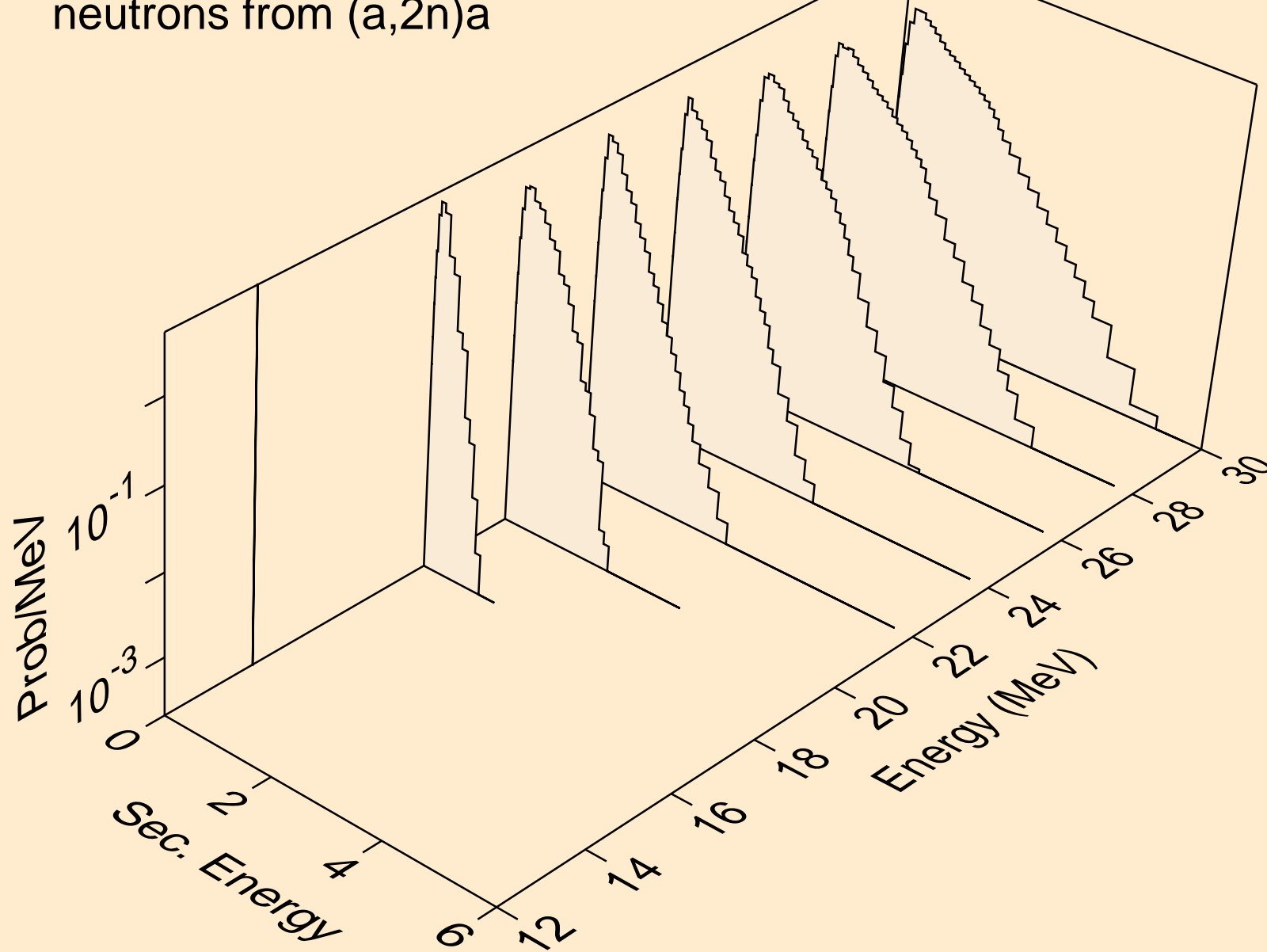




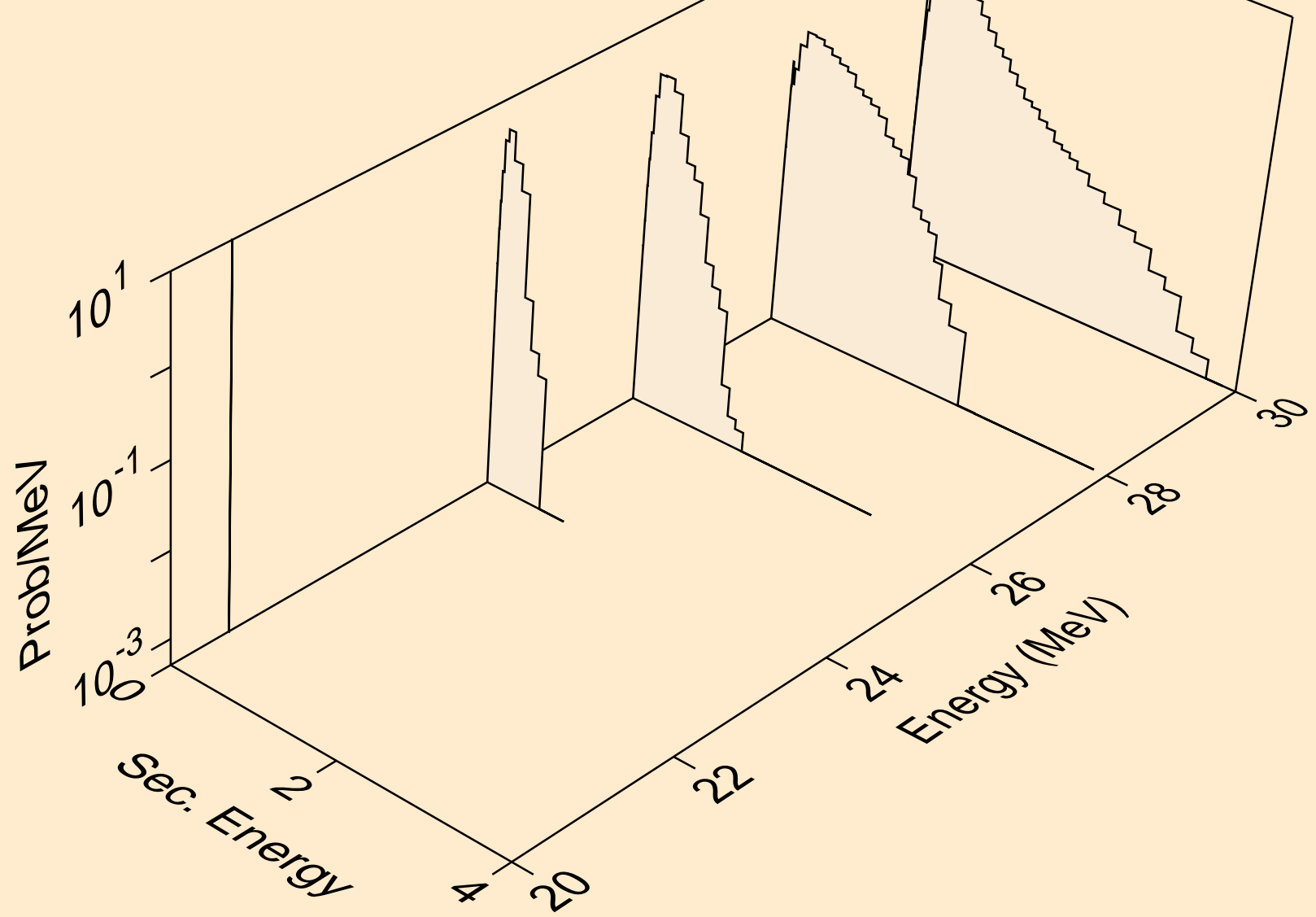
ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)a



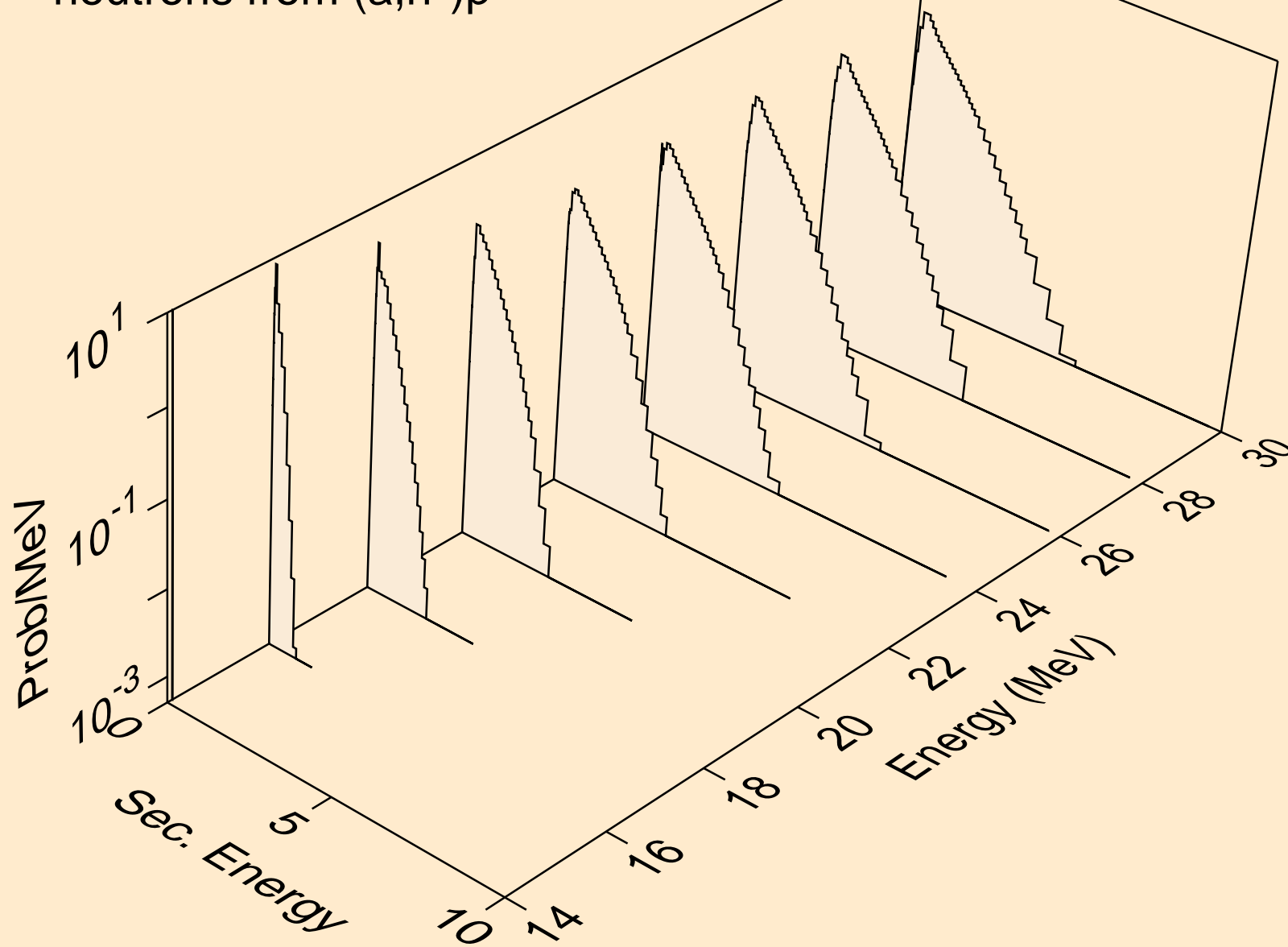
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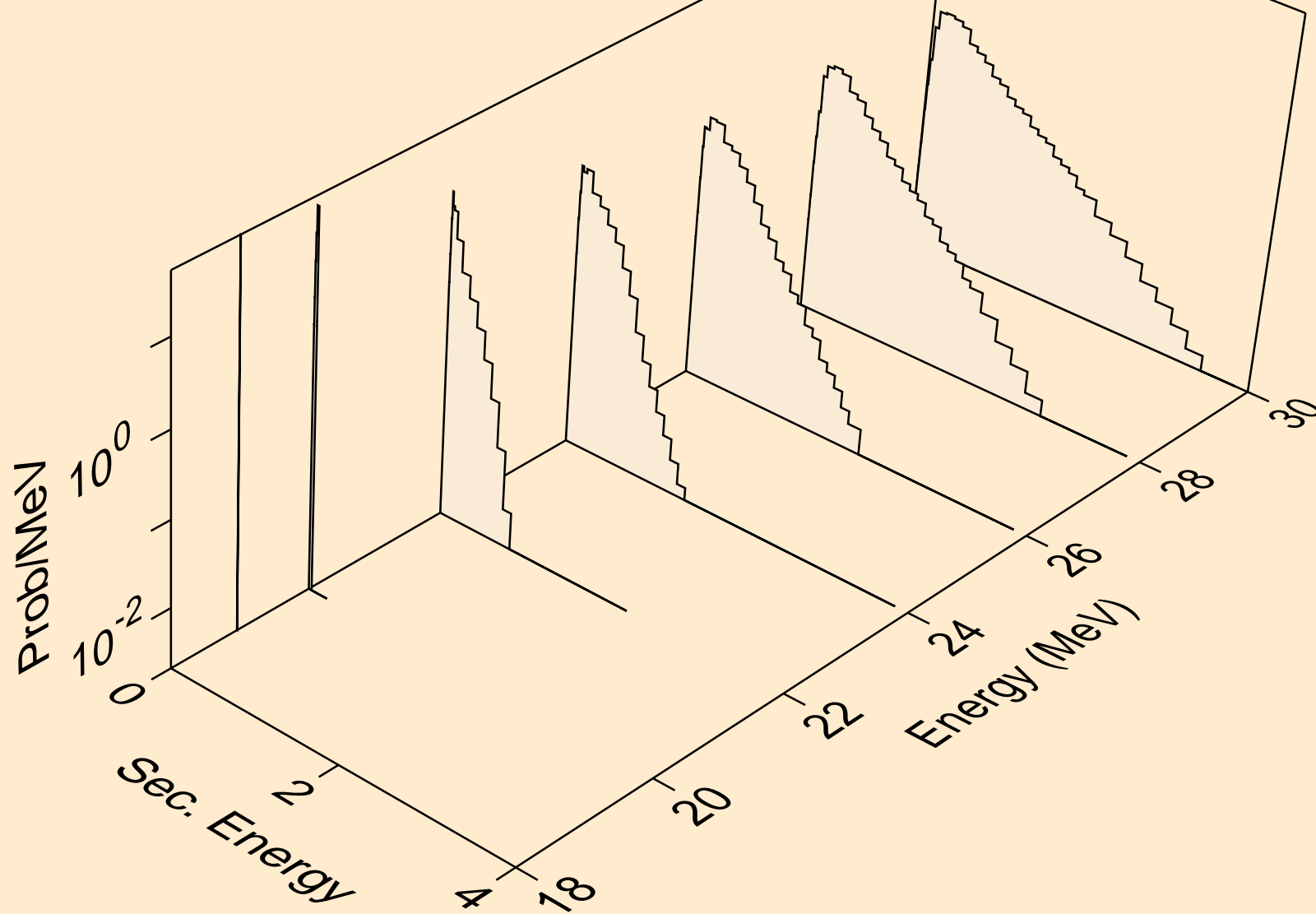
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neutrons from (a,3n)a



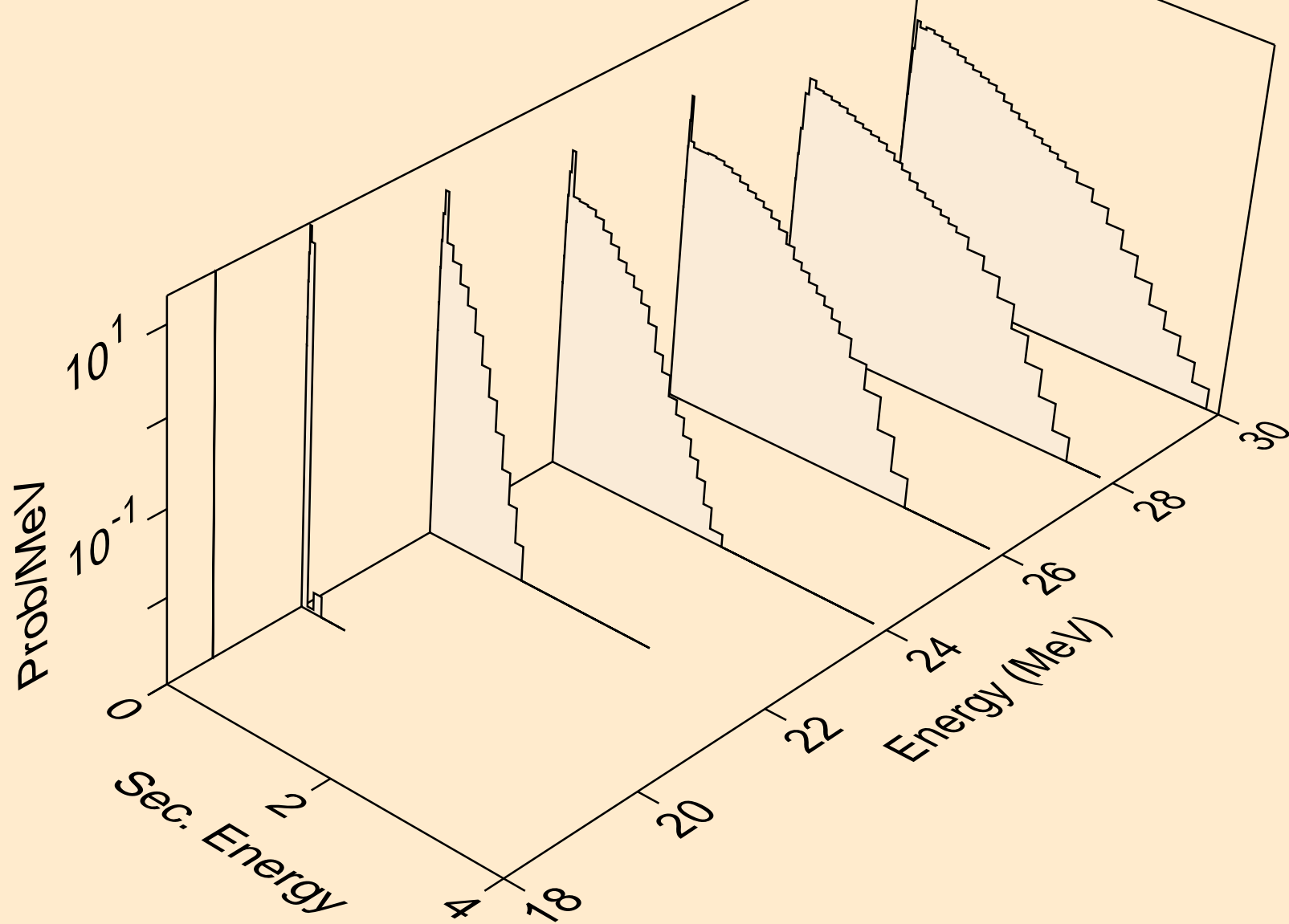
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neutrons from (a,n\*)p



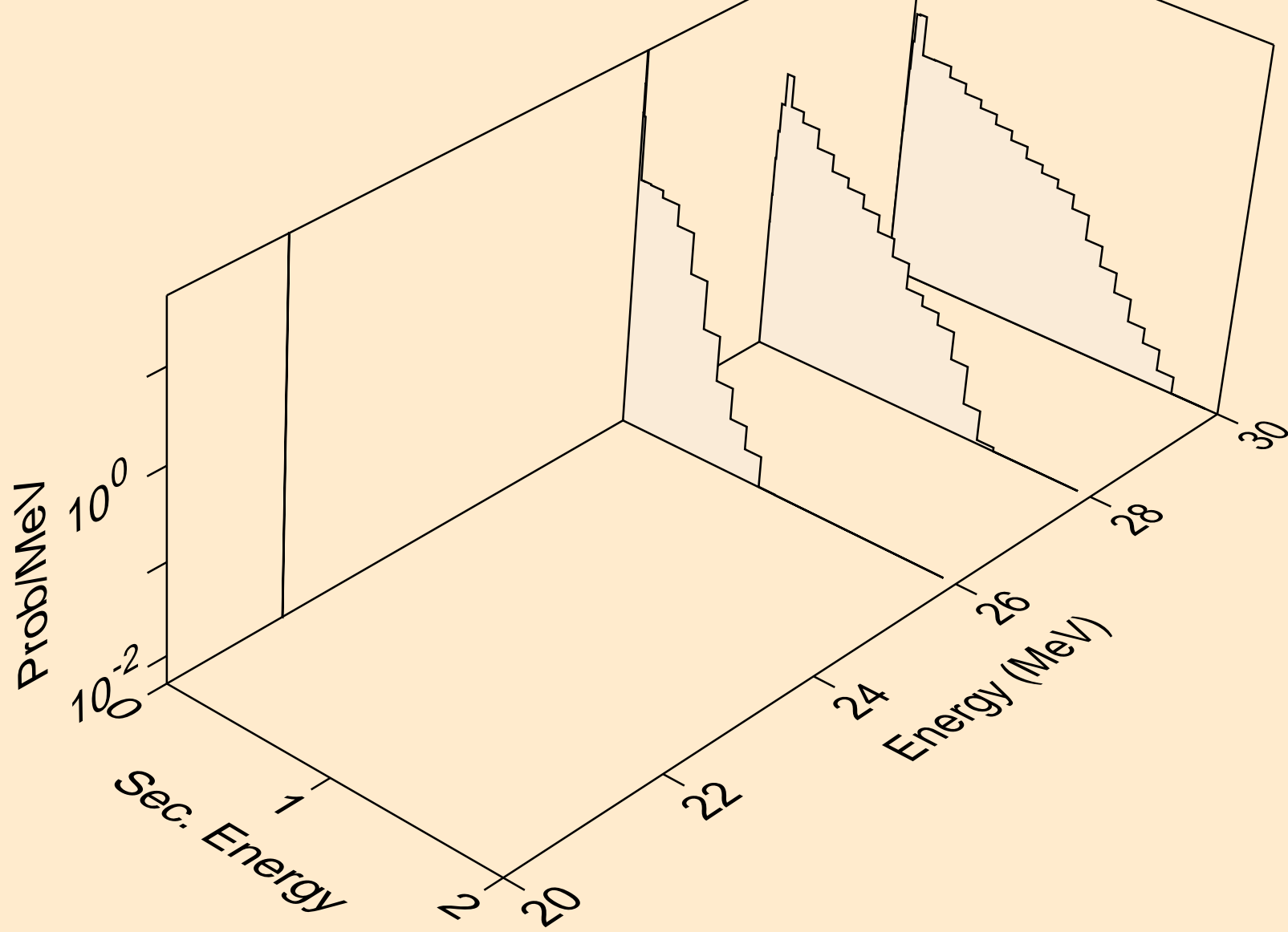
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neutrons from (a,n\*)d



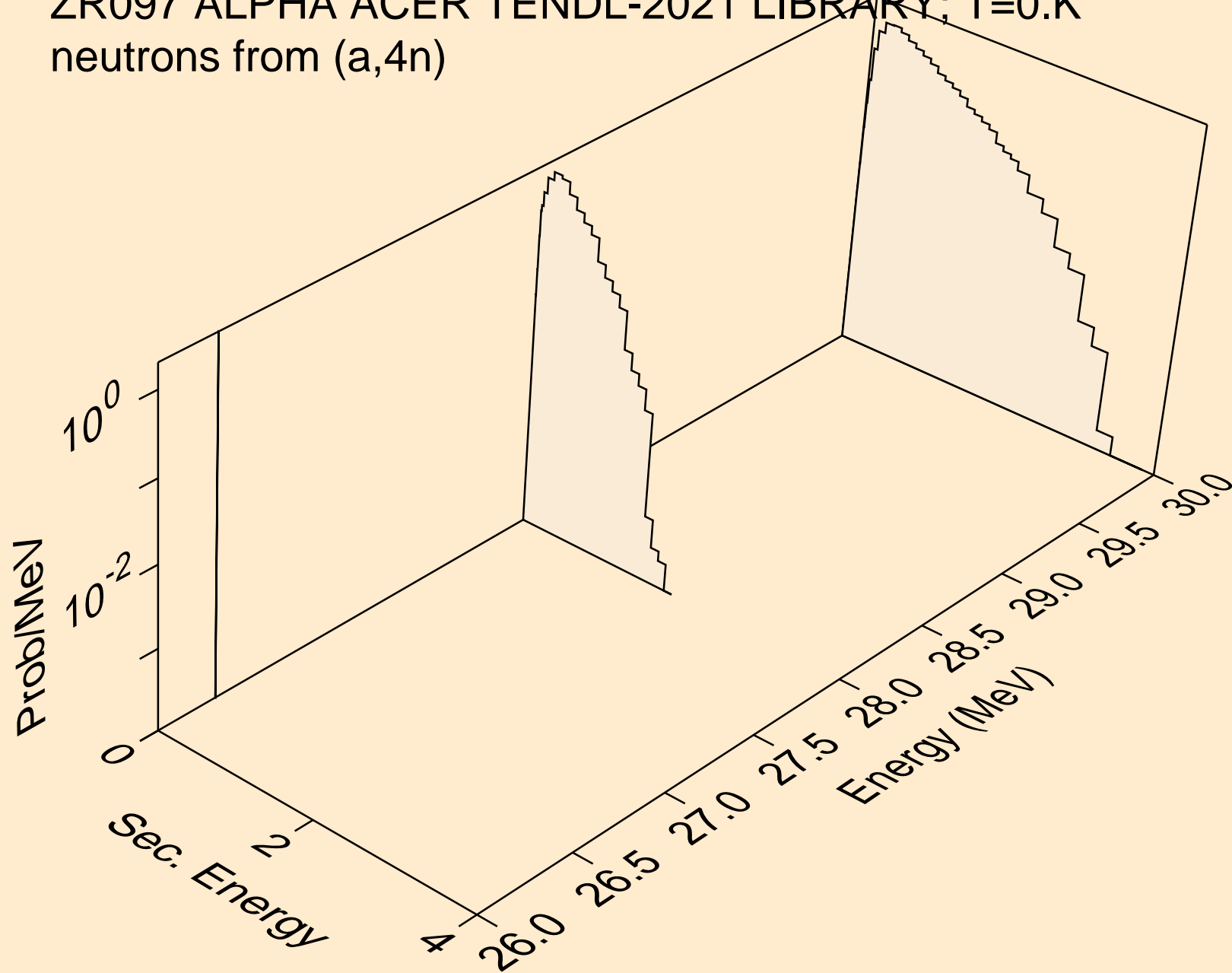
ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)t



ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (a,n\*)he3

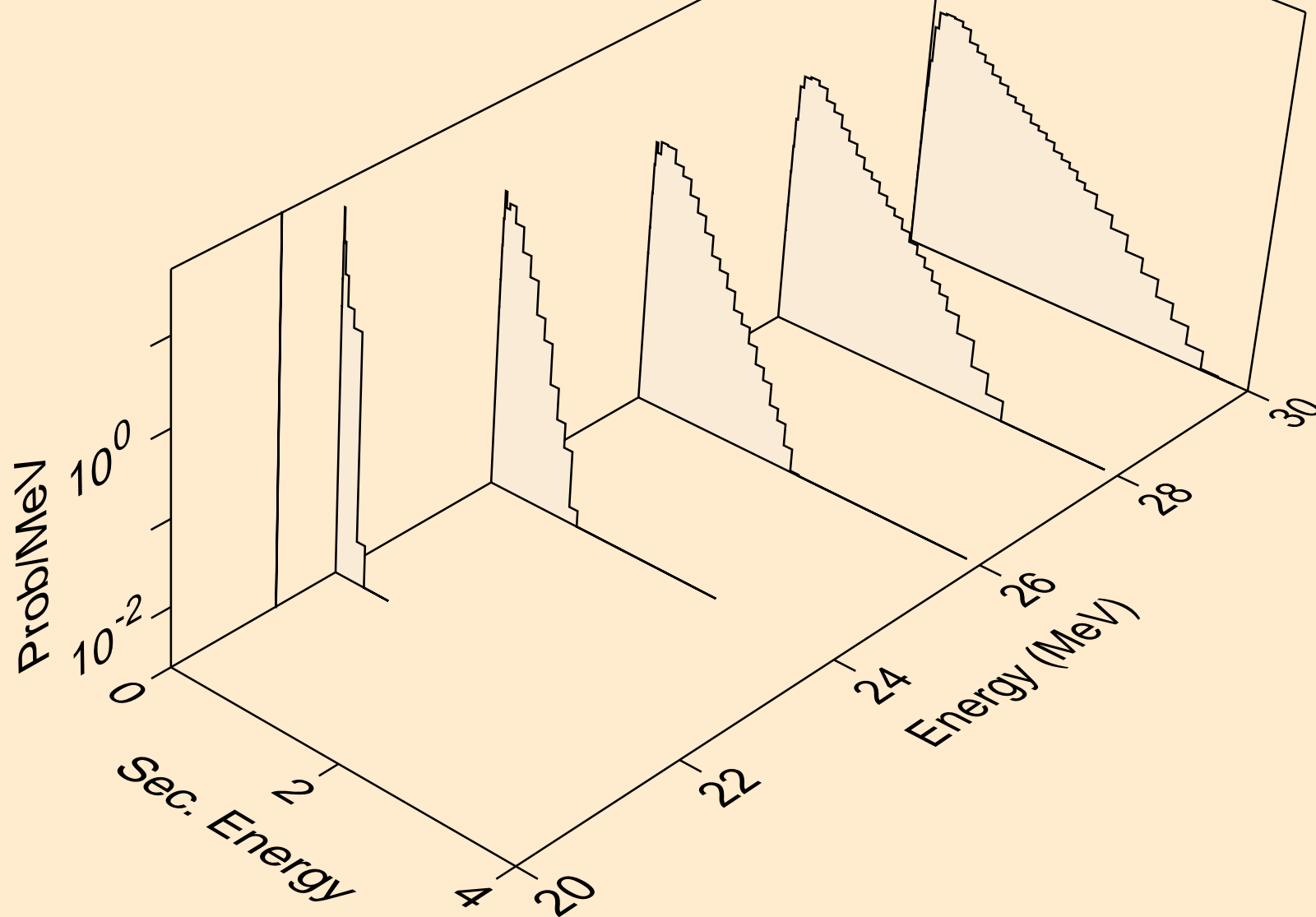


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neutrons from (a,4n)

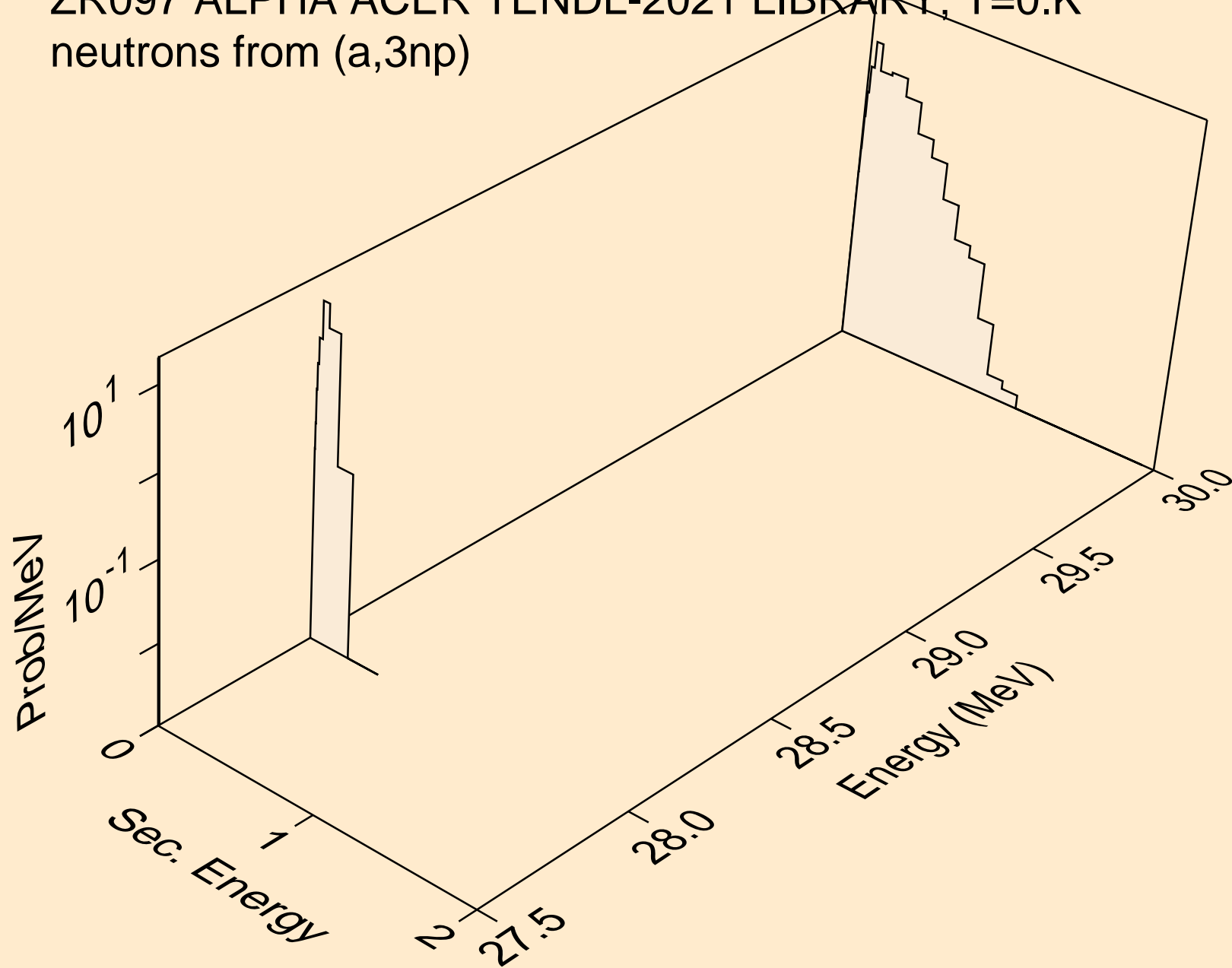




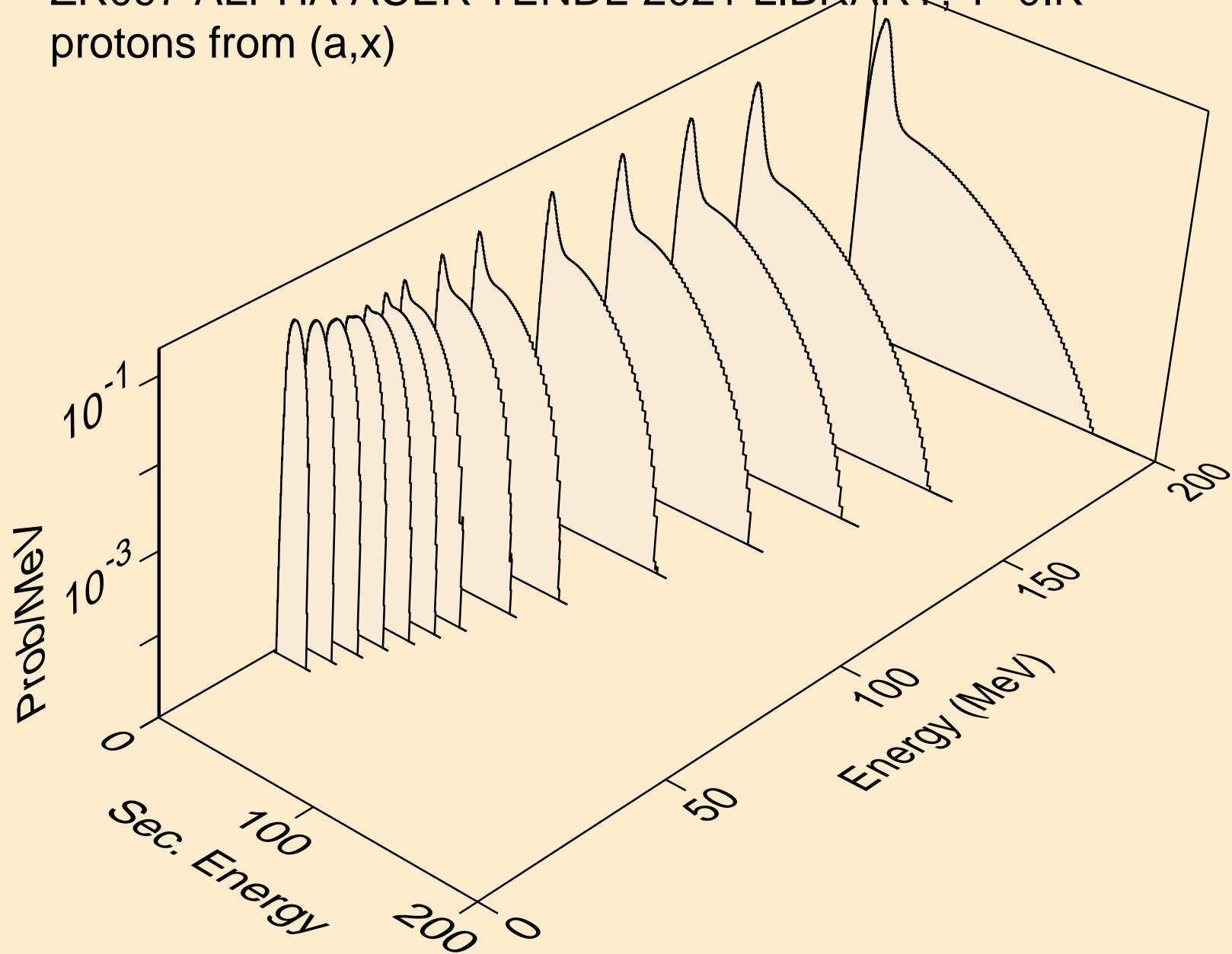
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neutrons from (a,2np)



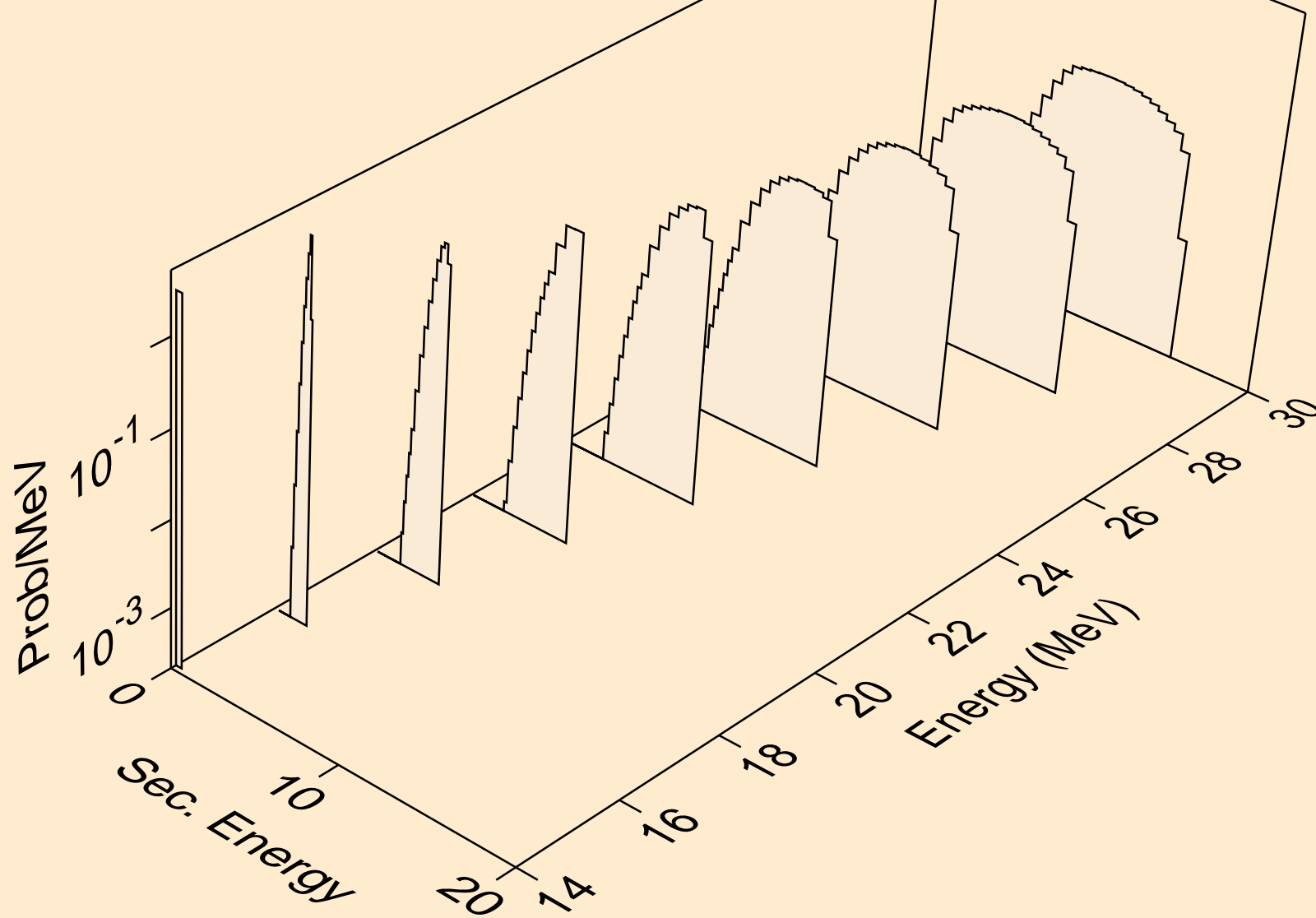
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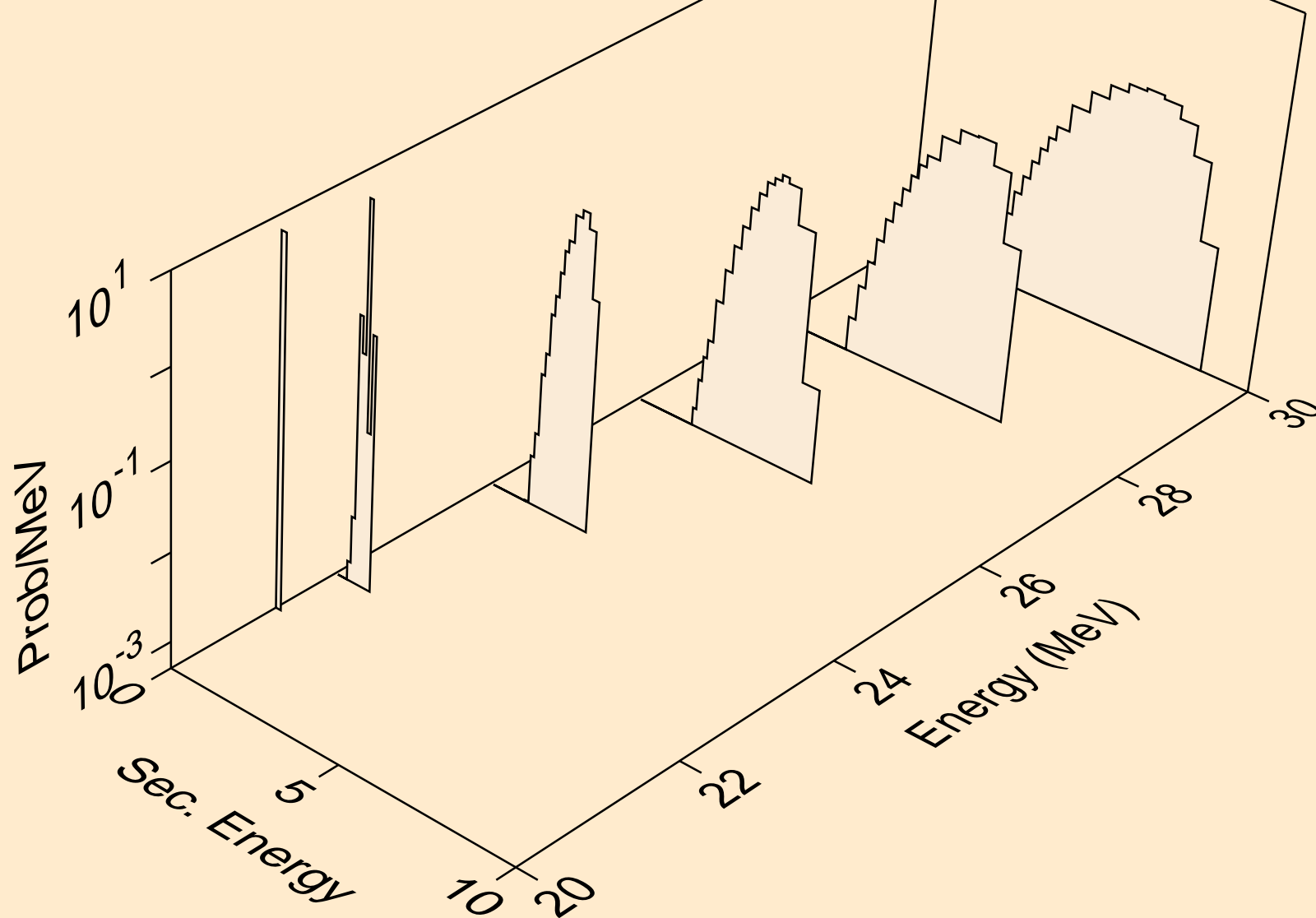
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protons from (a,x)



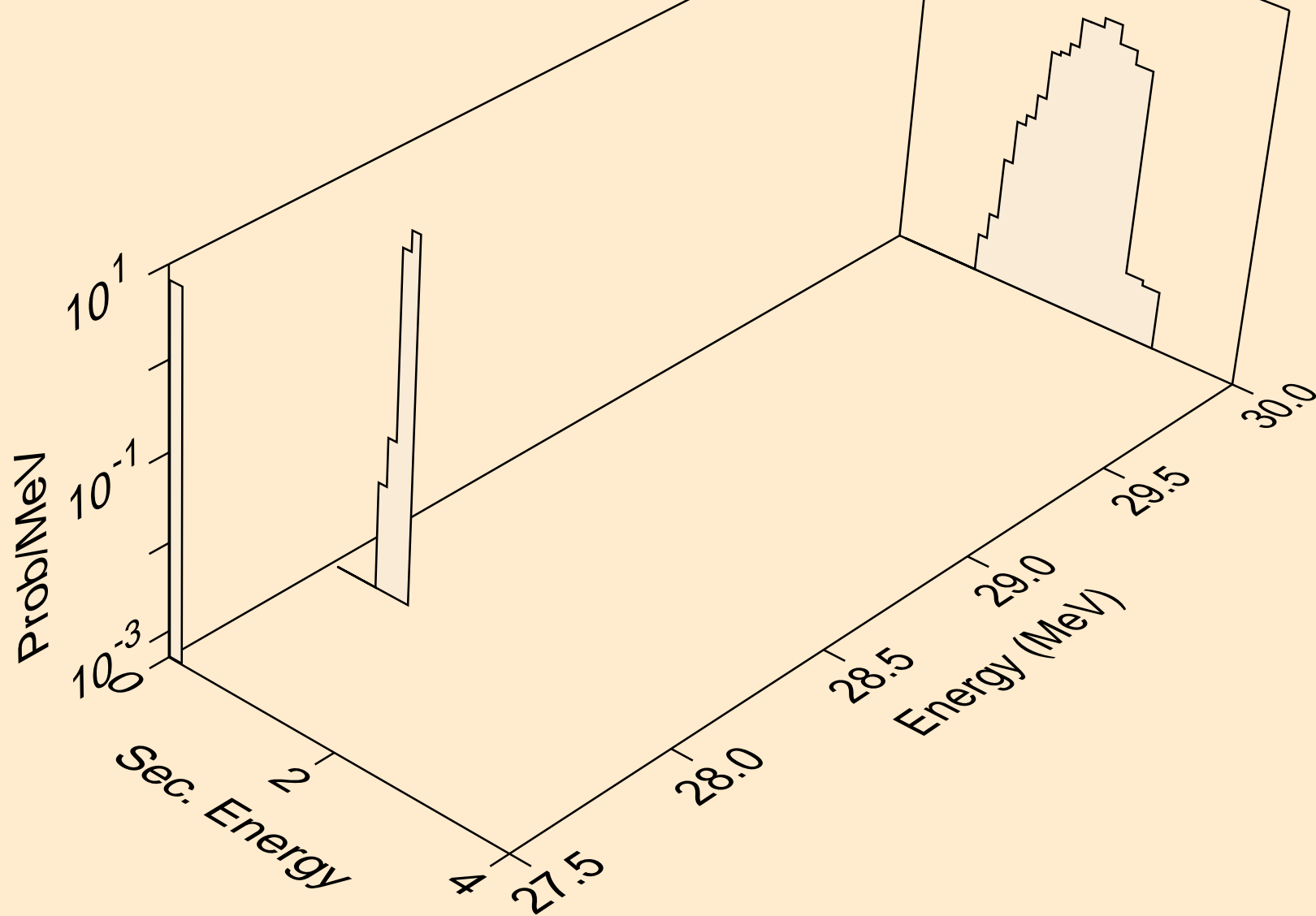
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protons from (a,n\*)p



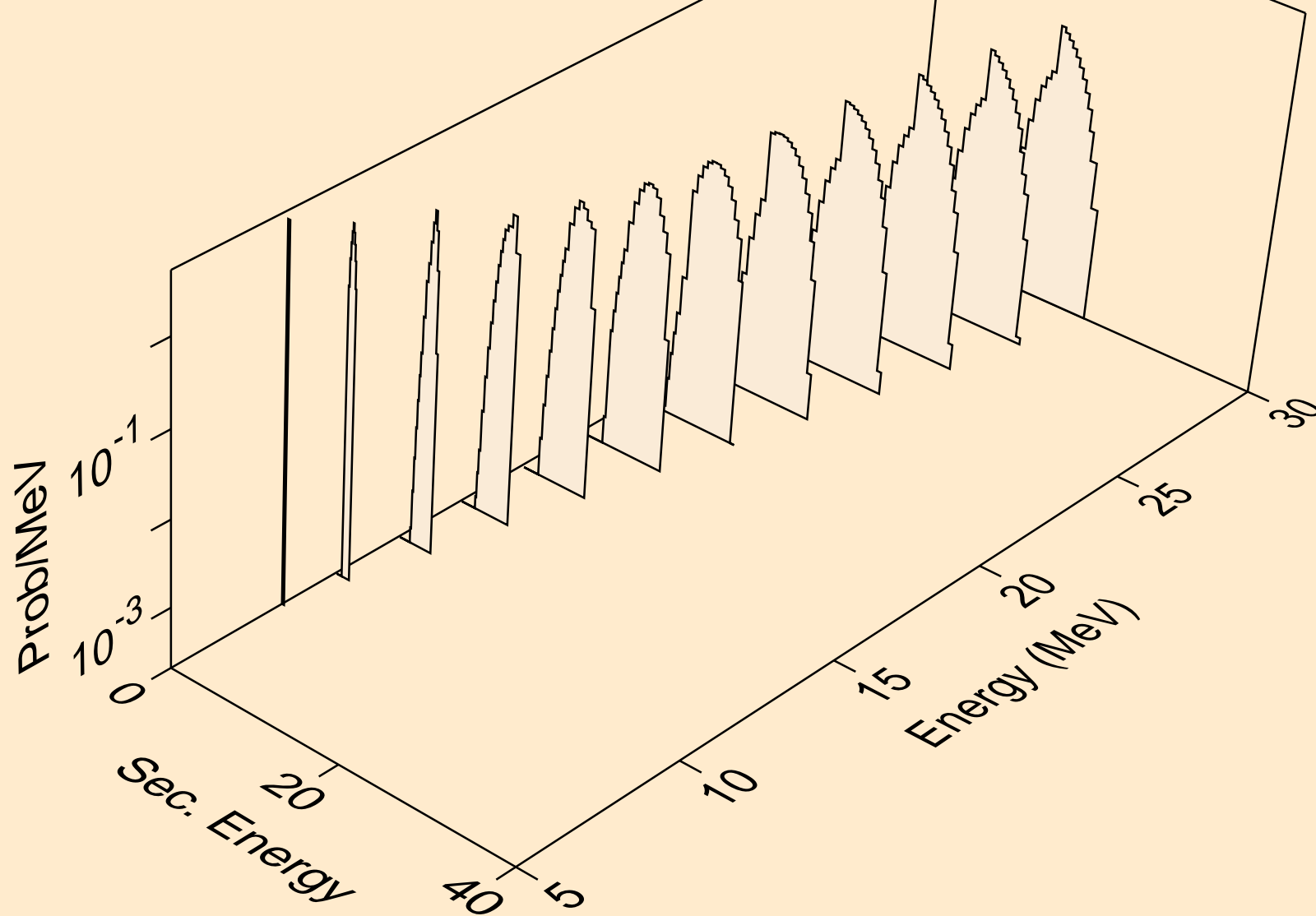
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protons from (a,2np)



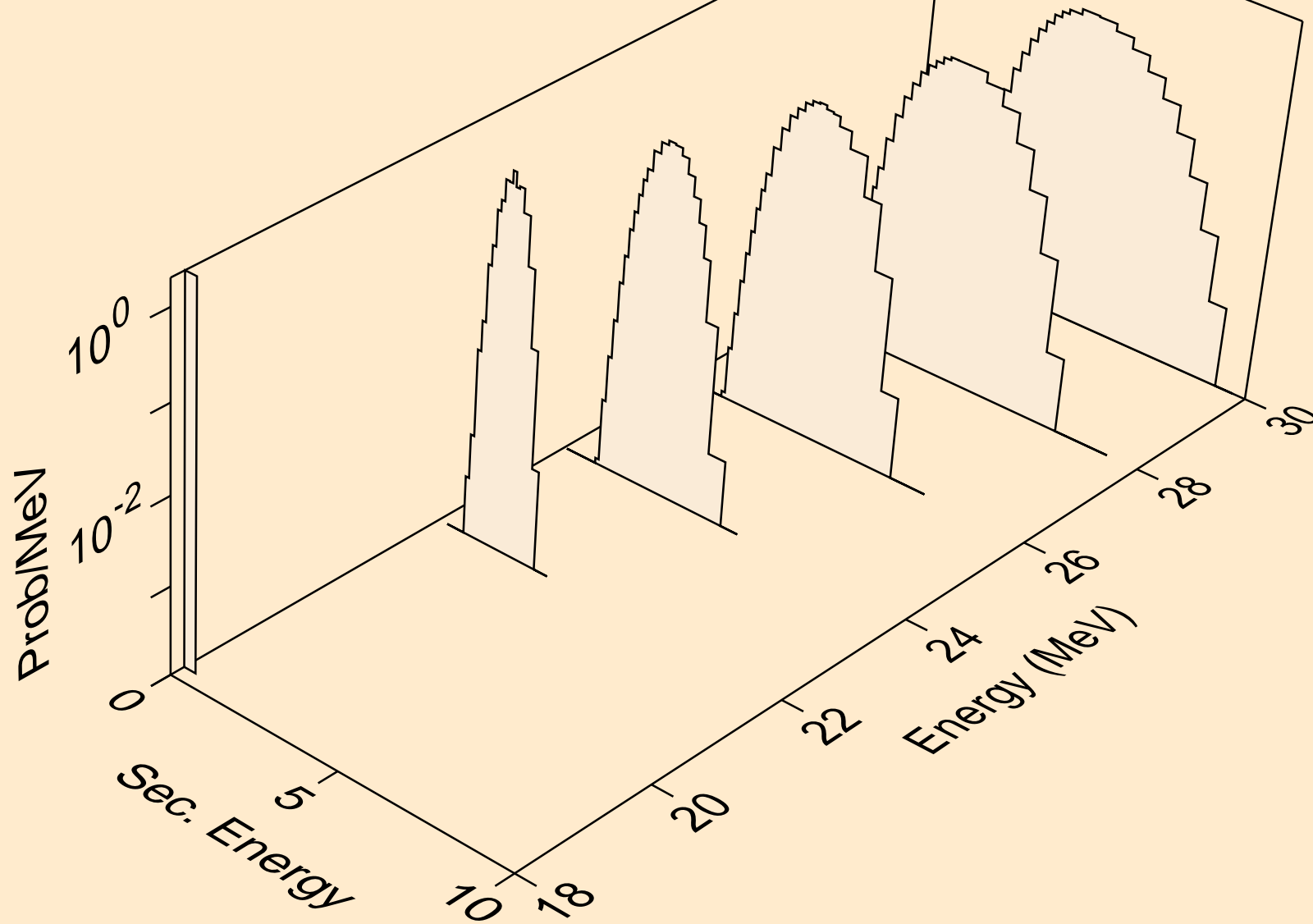
ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
protons from (a,3np)



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protons from (a,p)

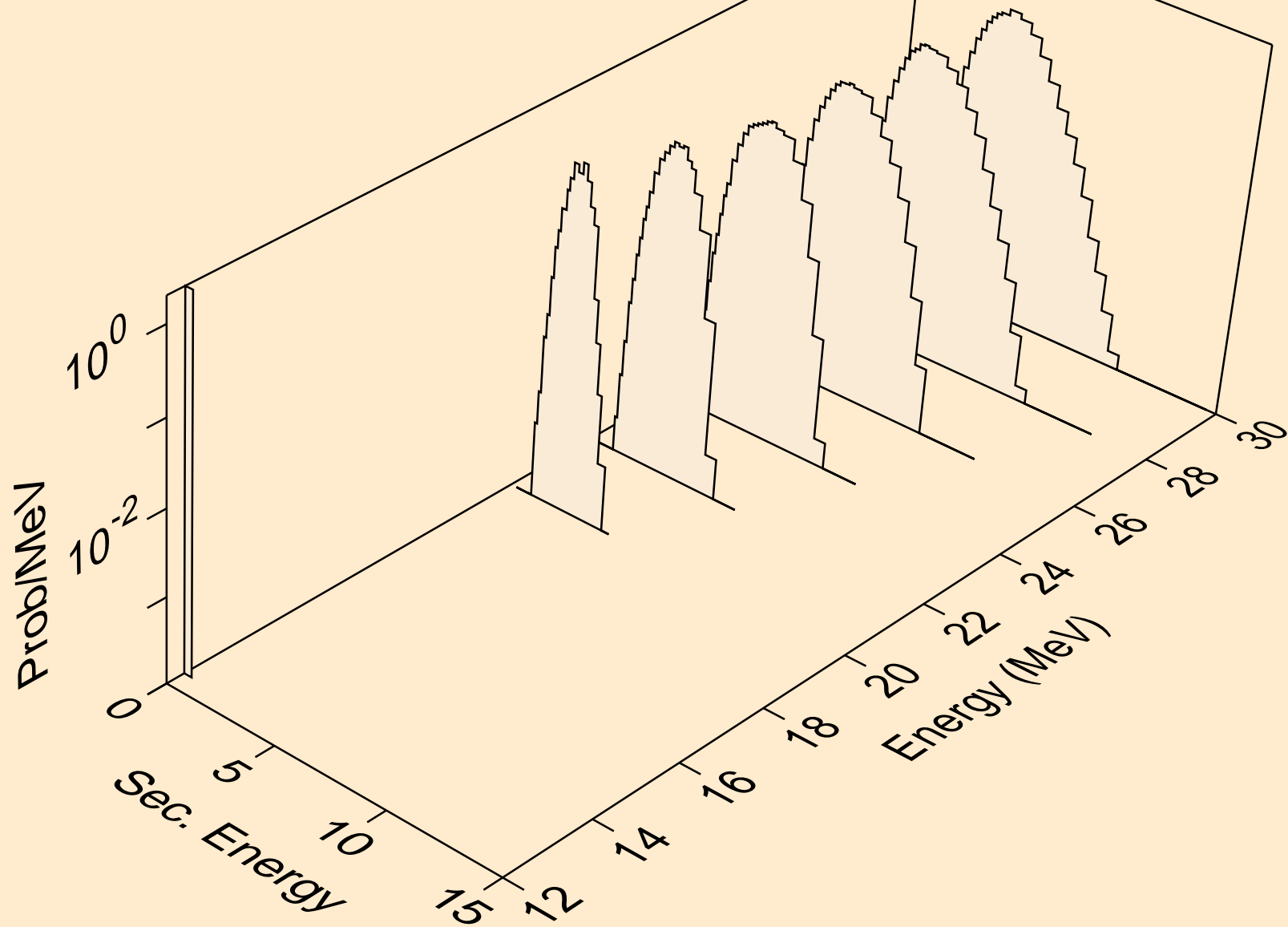


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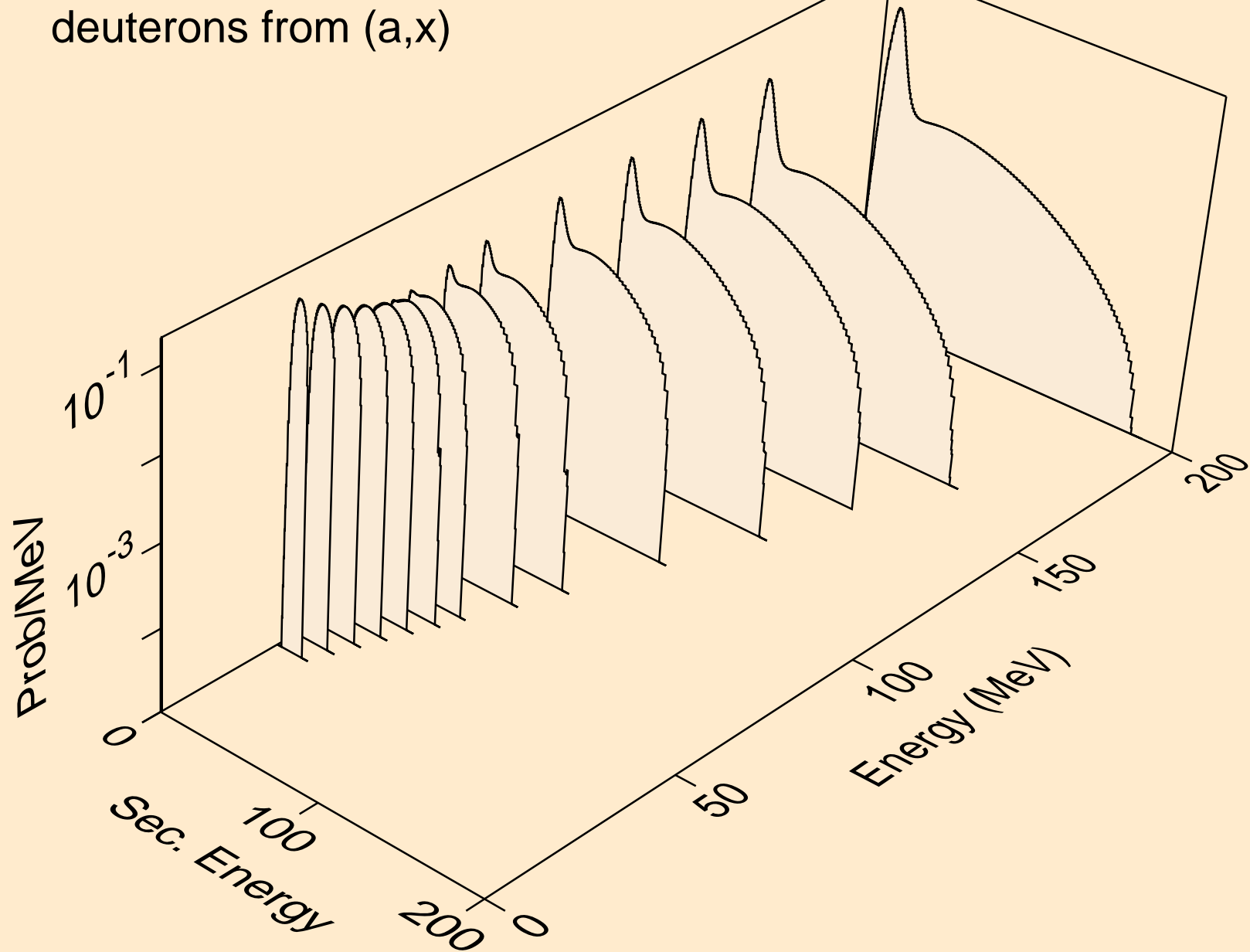




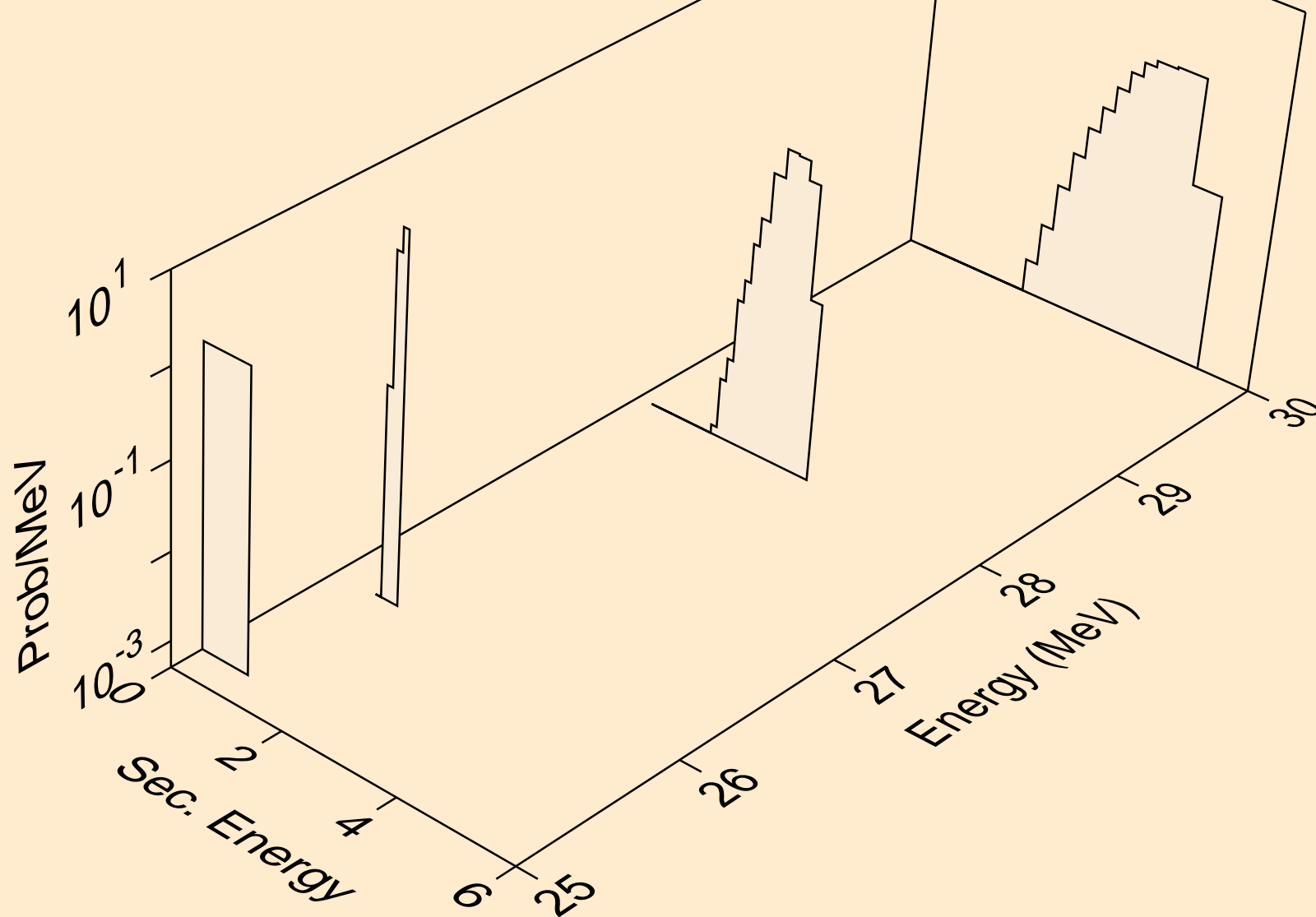
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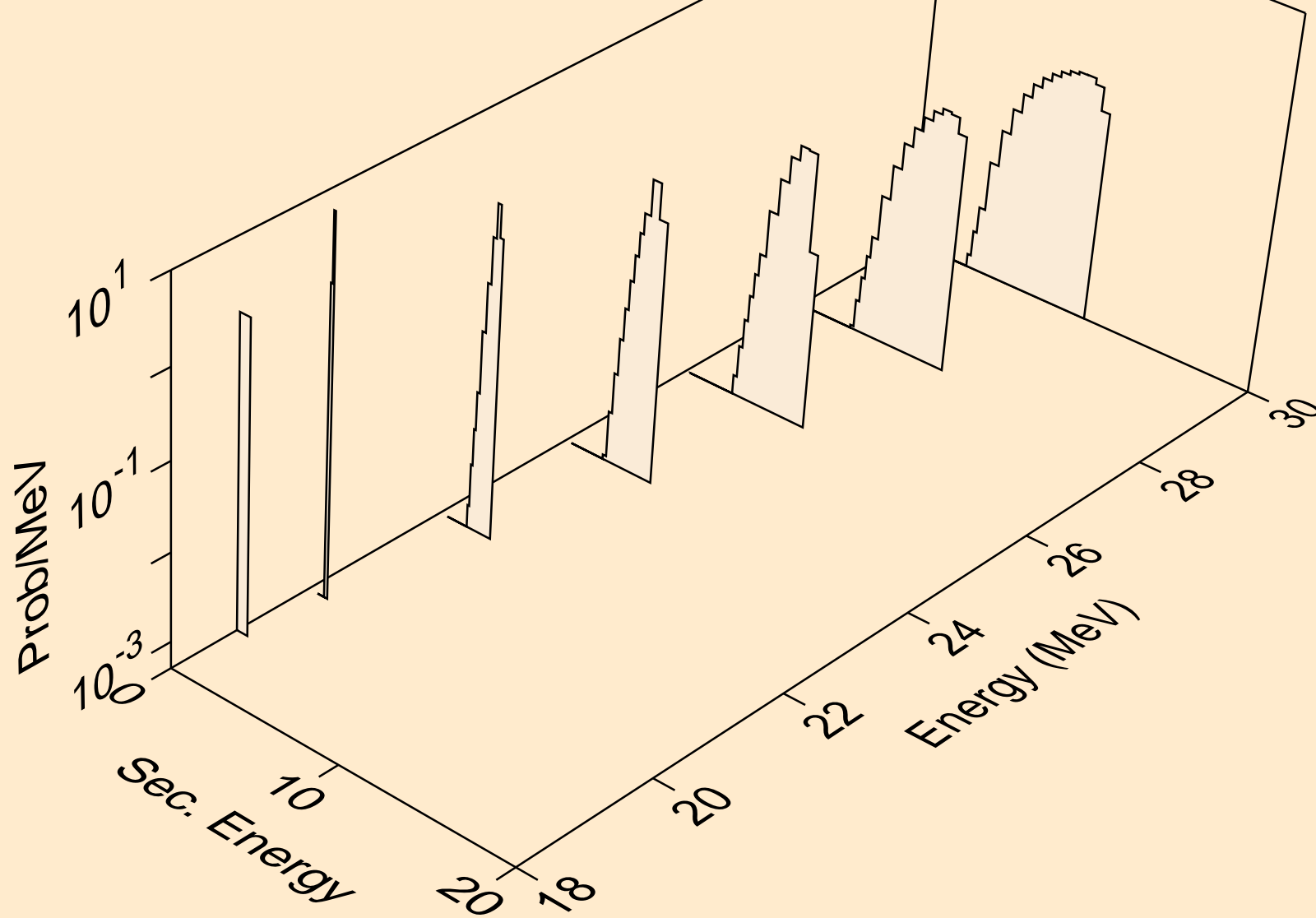
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deuterons from (a,x)



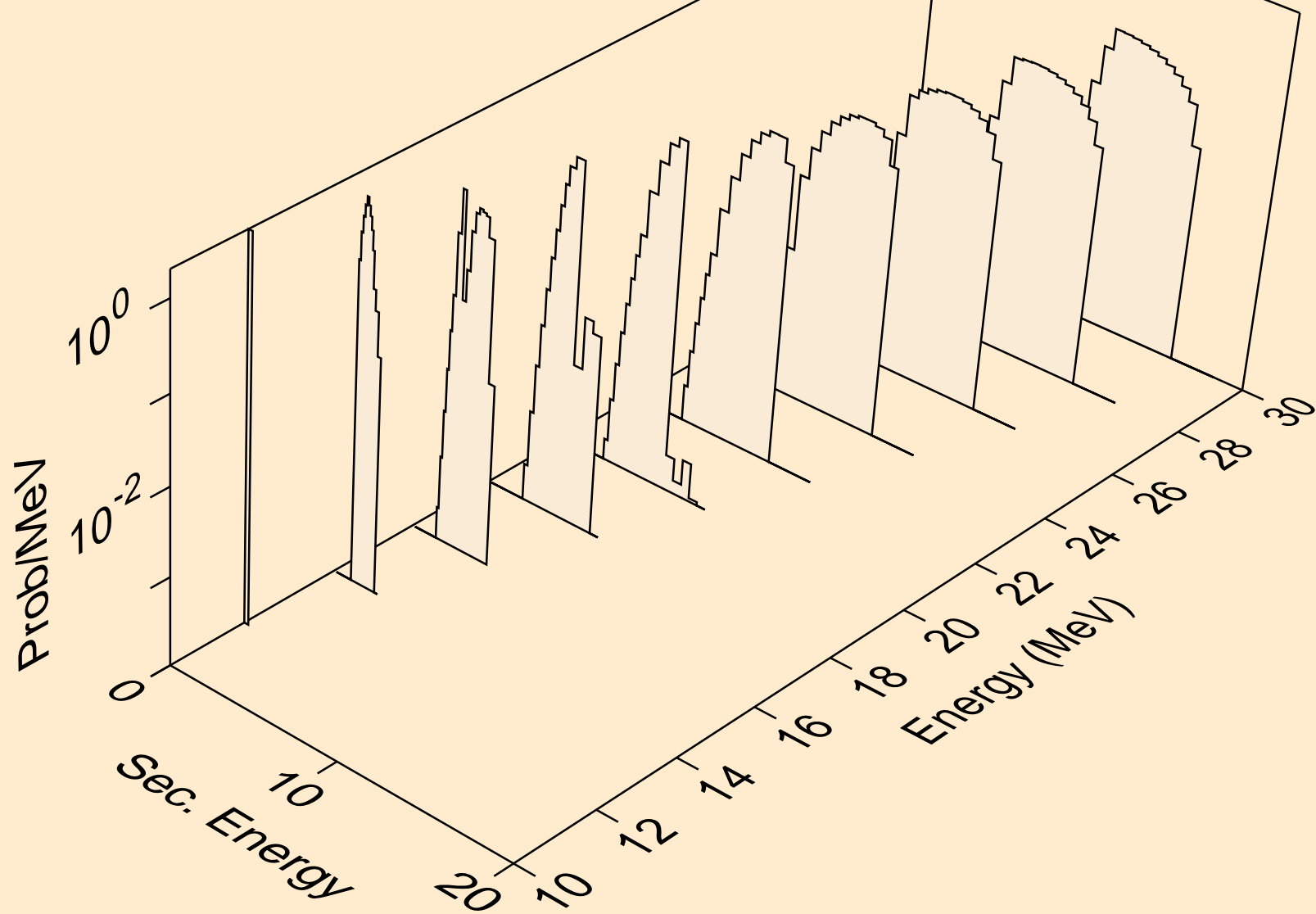
ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,2nd)



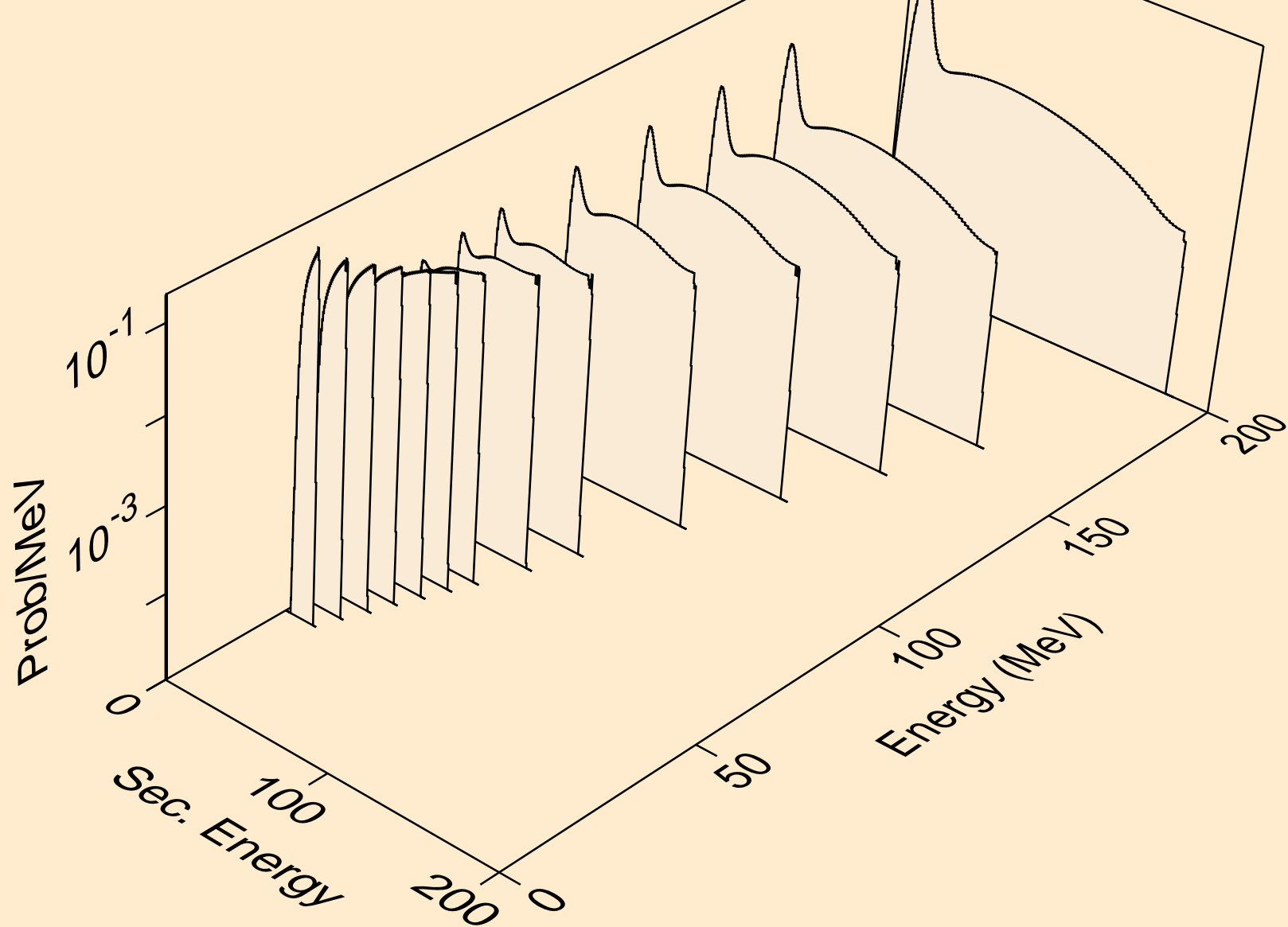
ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,n\*)d



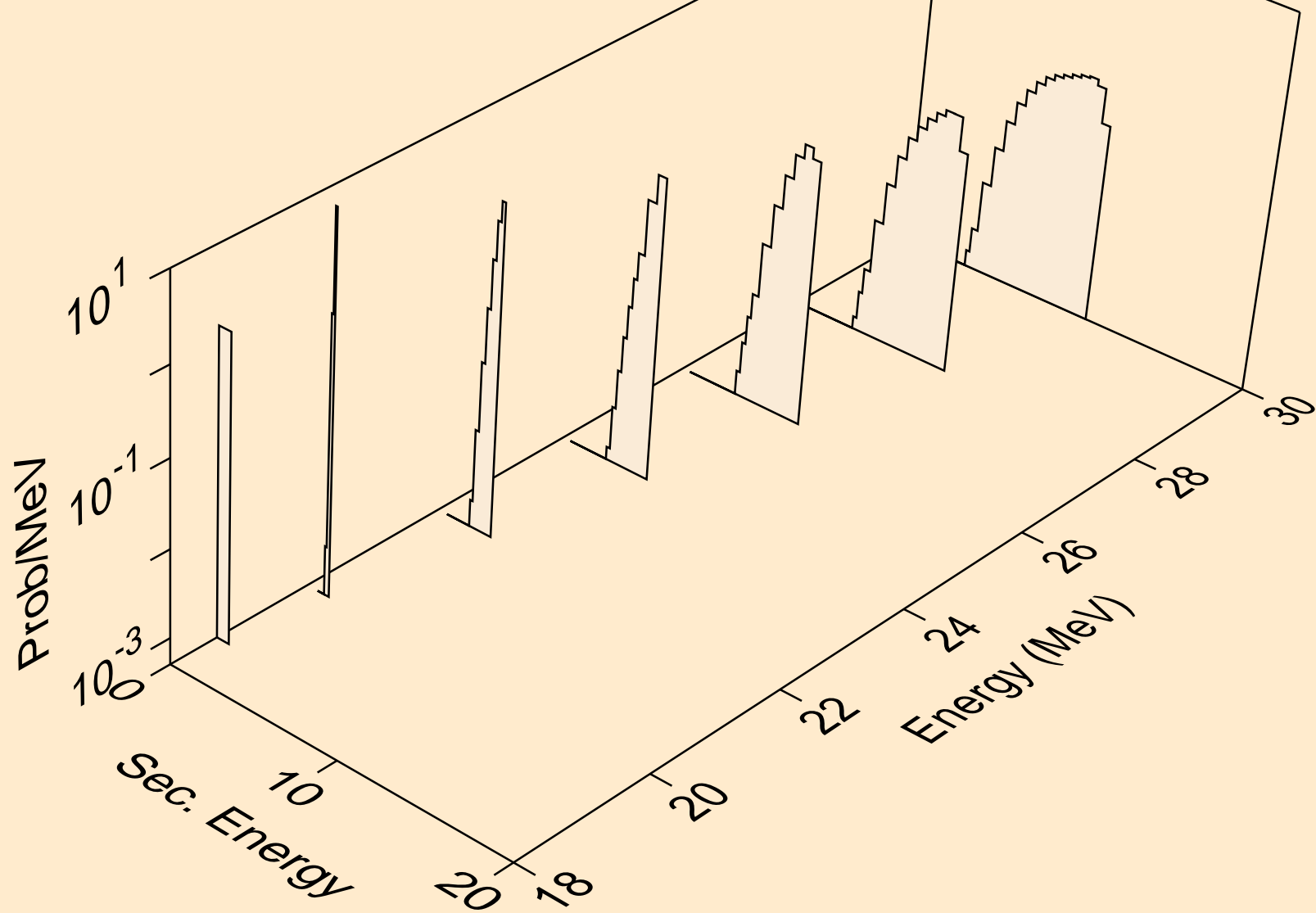
ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (a,d)



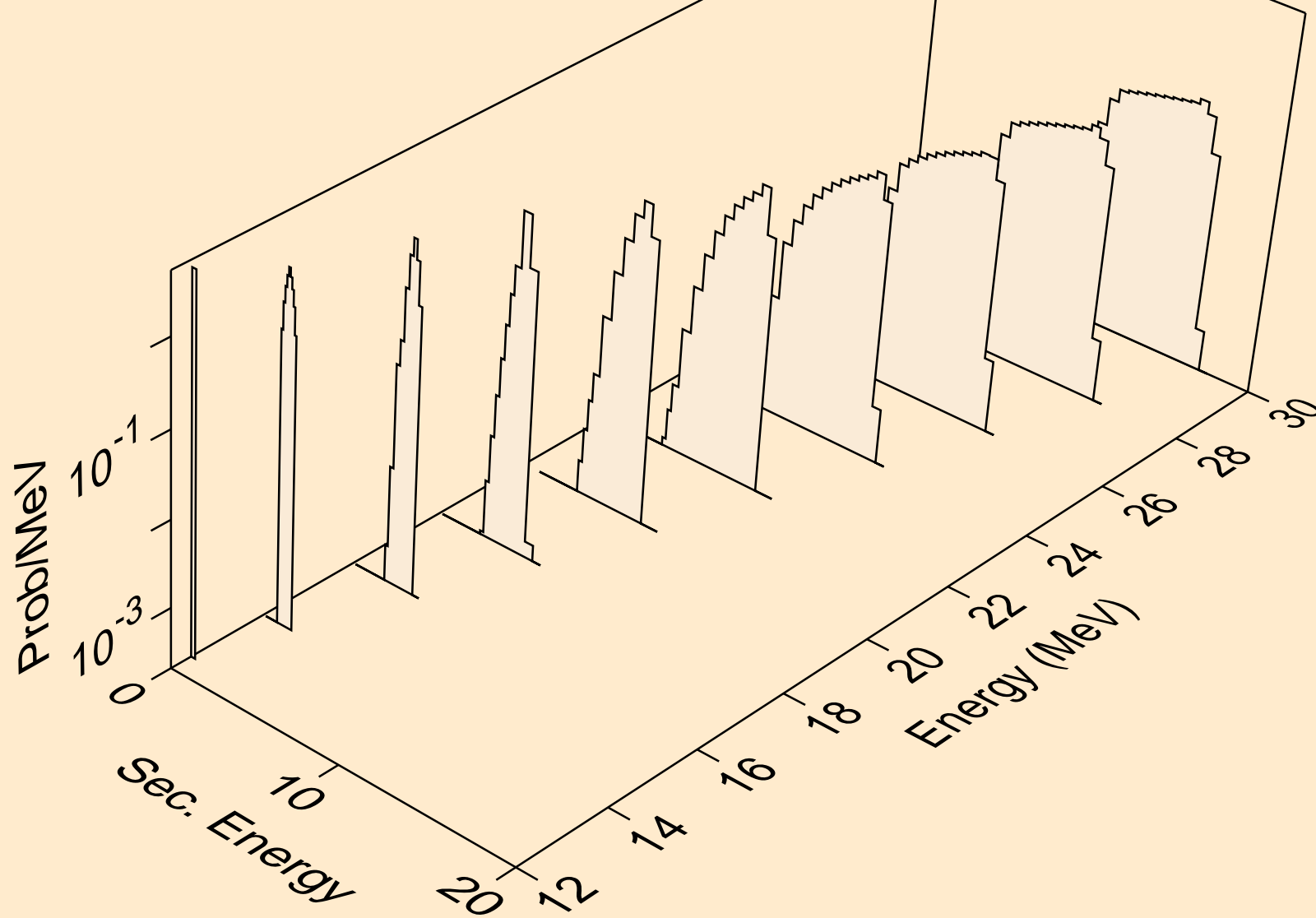
ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,x)



ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,n\*)t

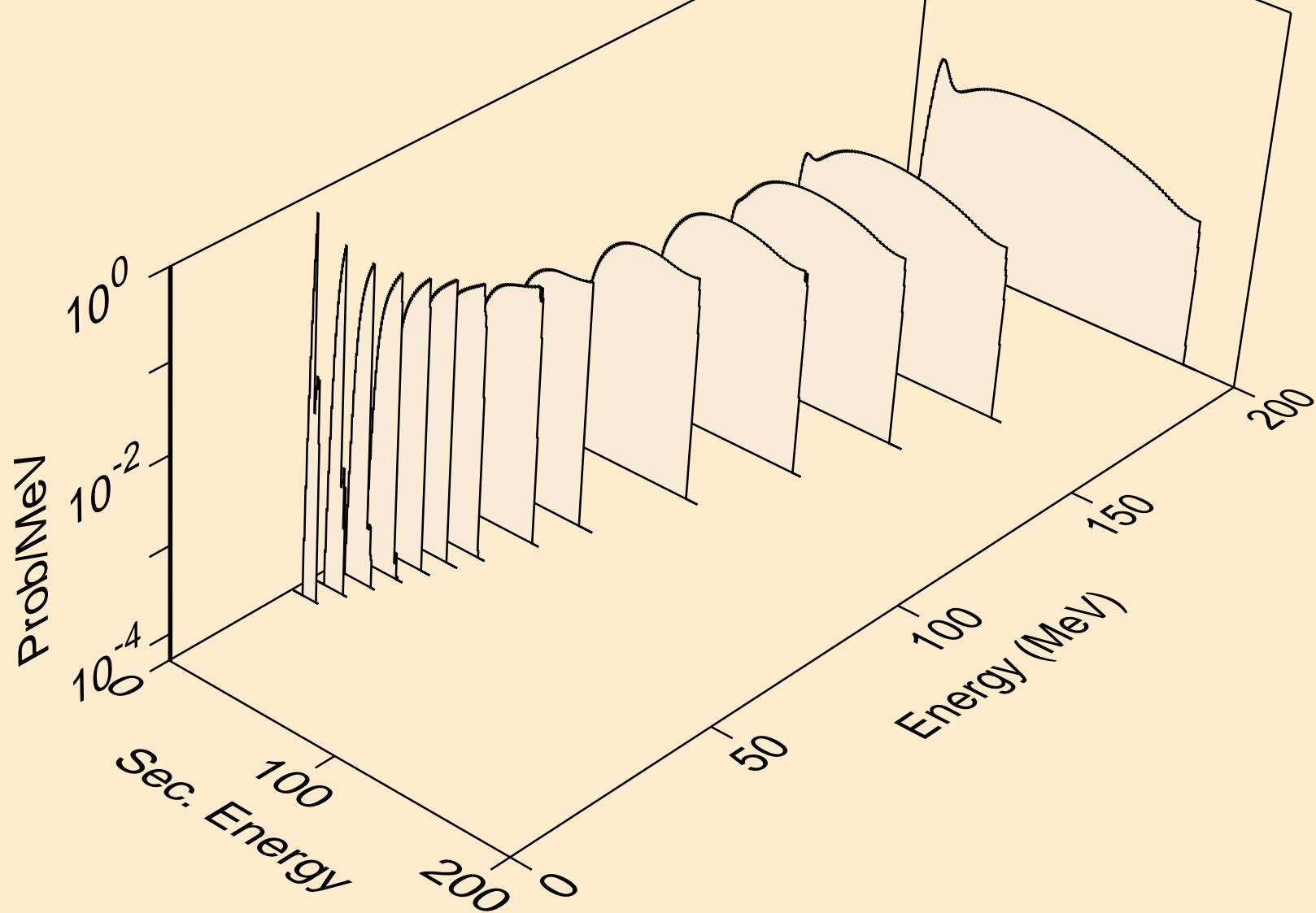


ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (a,t)

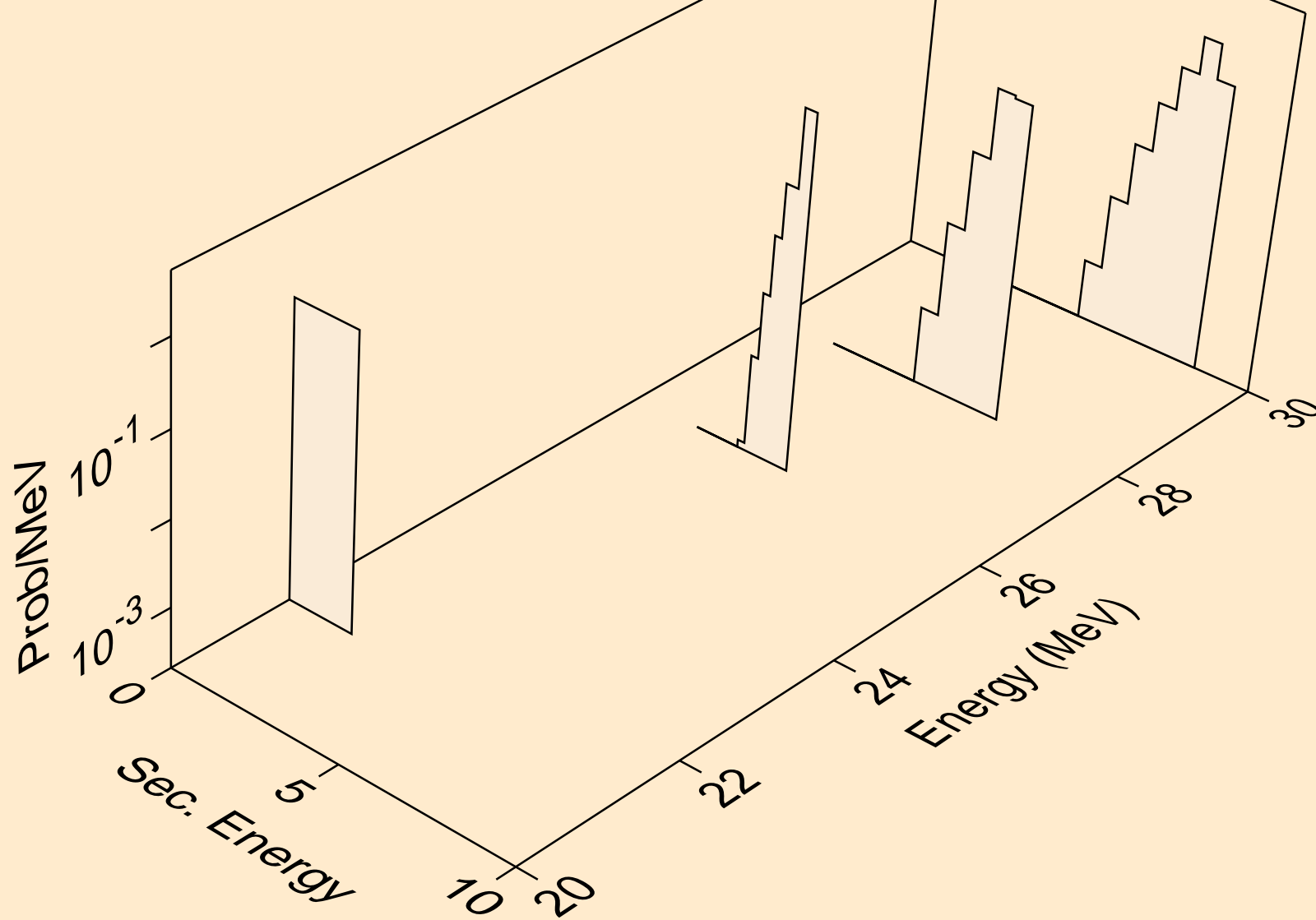




ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (a,x)



ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (a,n\*)he3



ZR097 ALPHA ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (a,he3)

