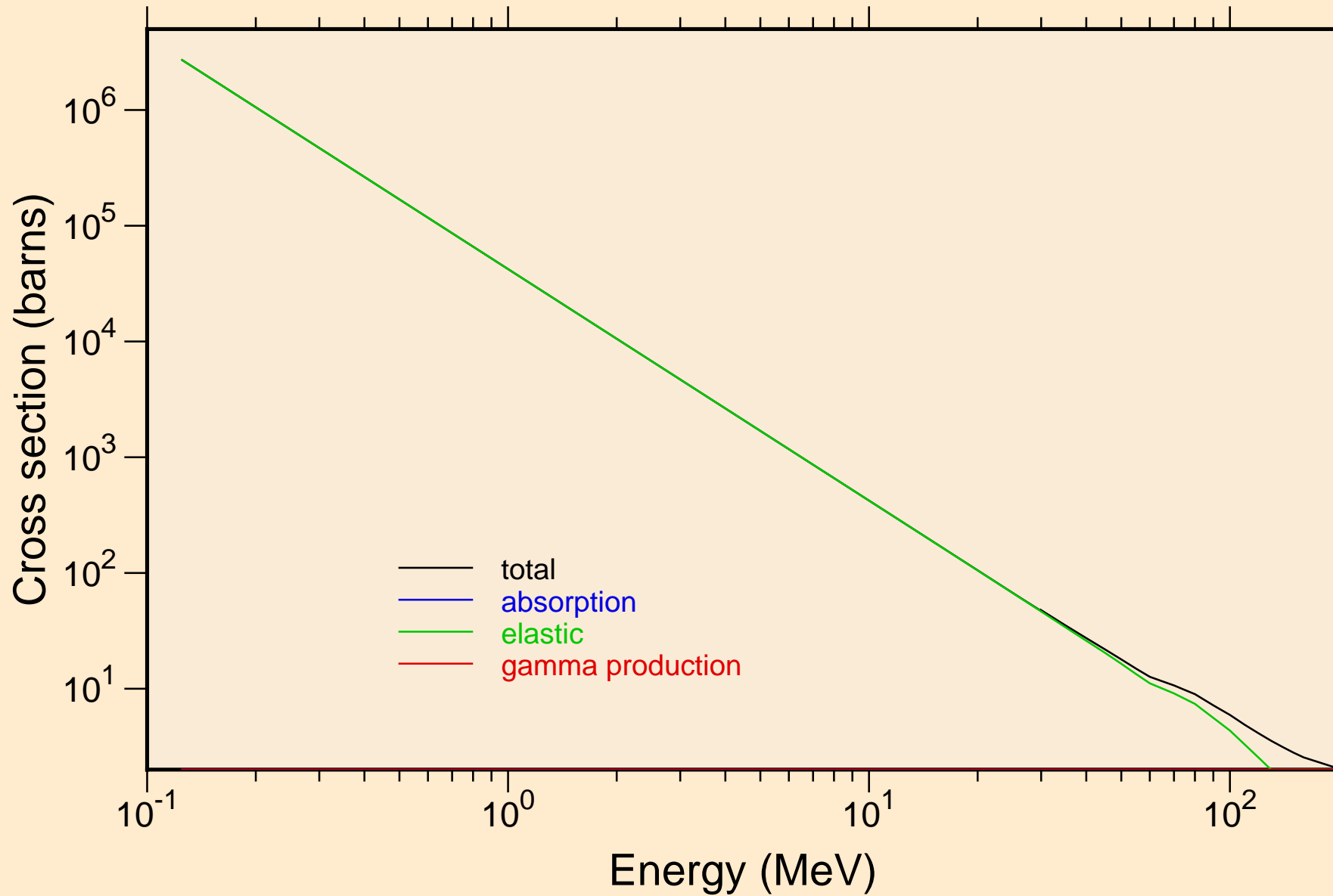
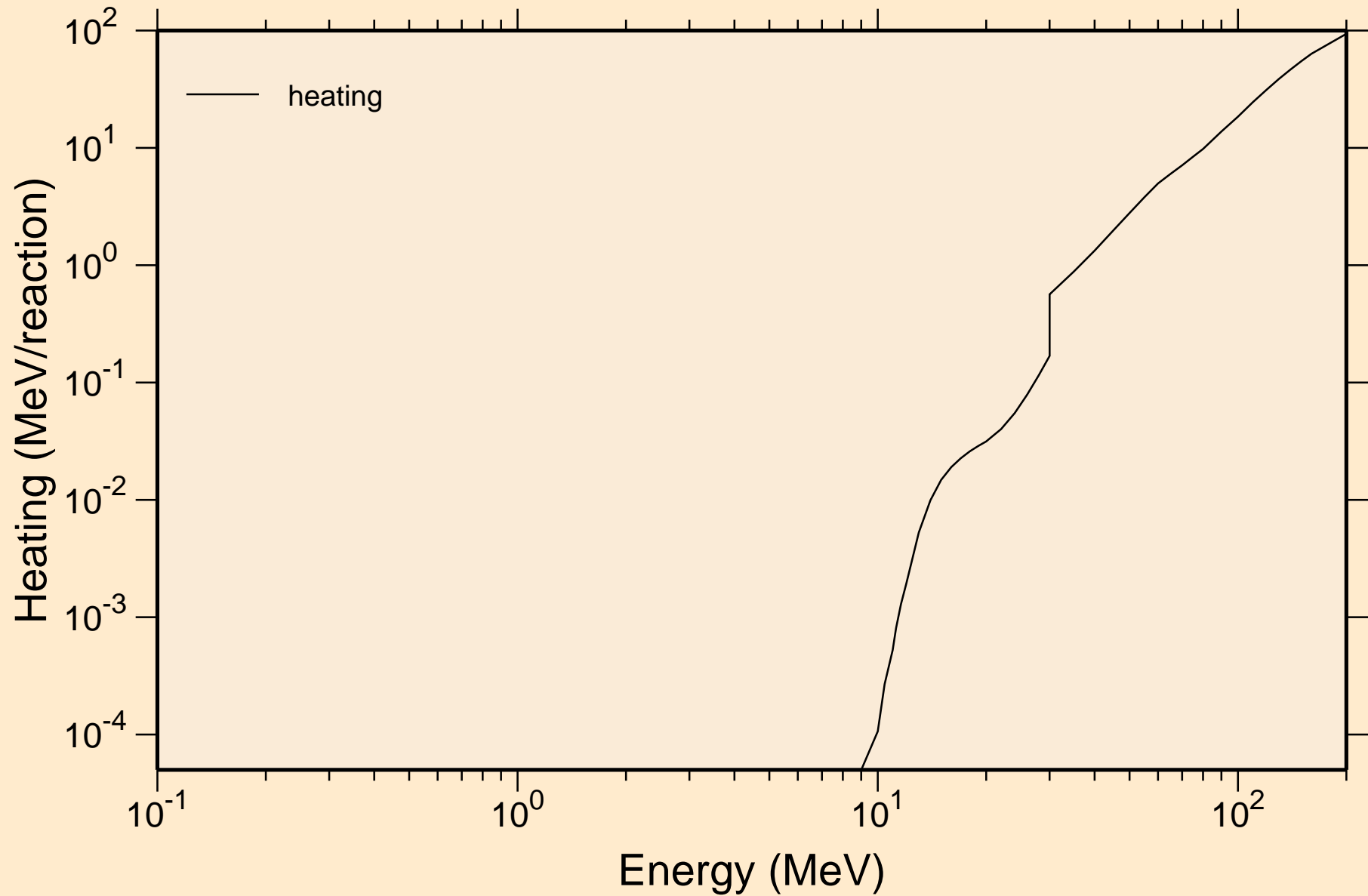


ZR081 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



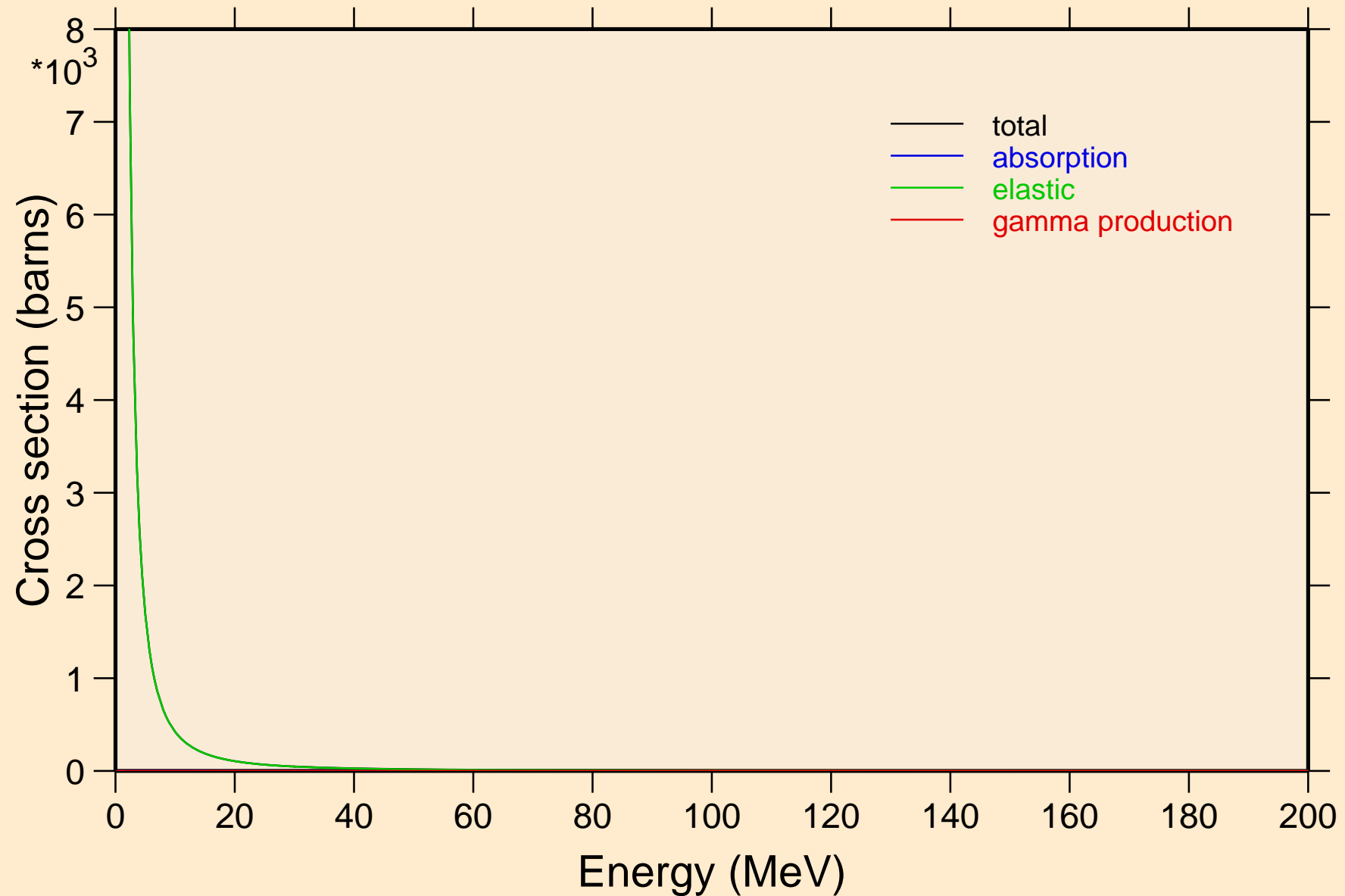
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Heating



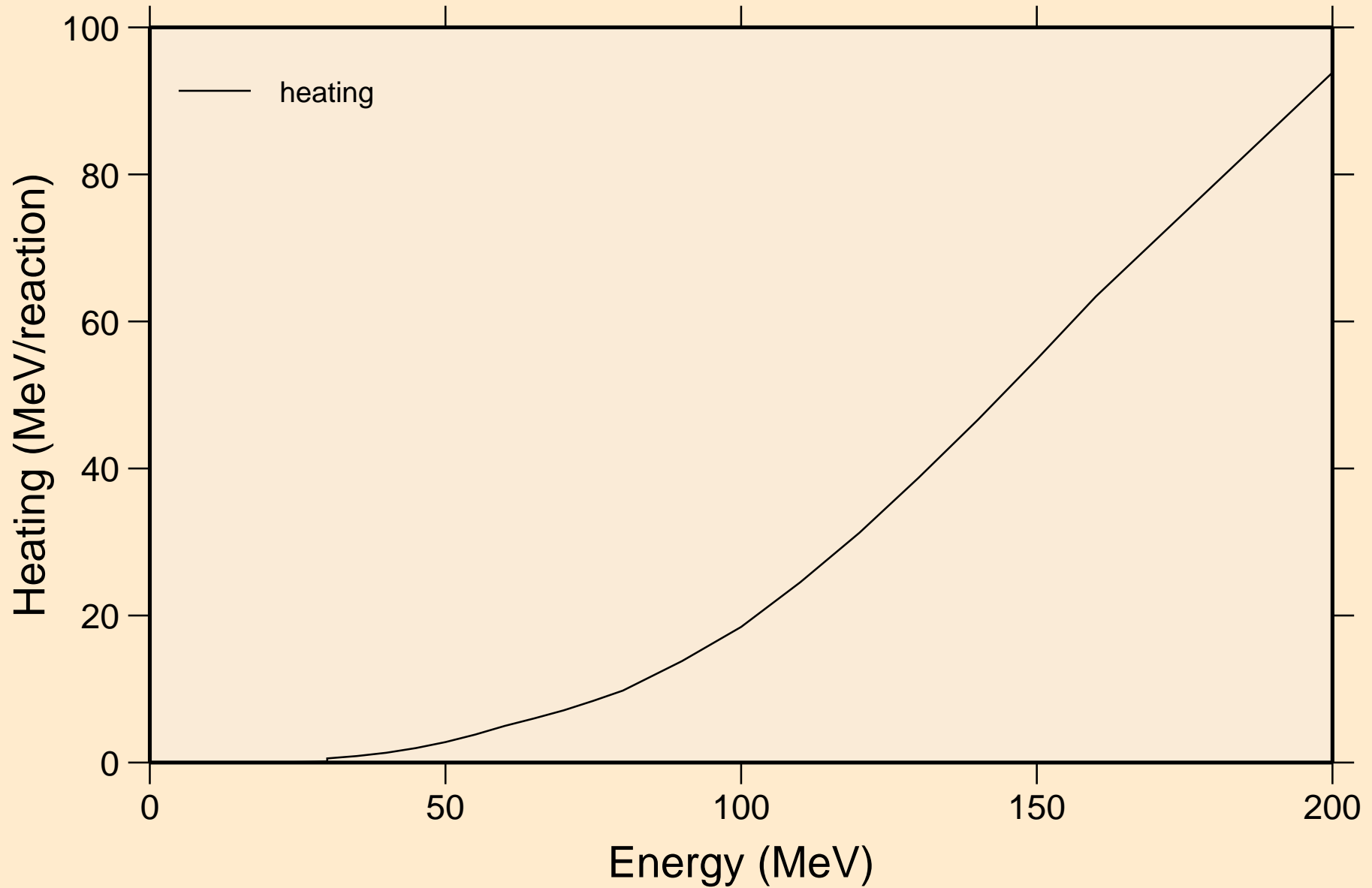
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## Principal cross sections

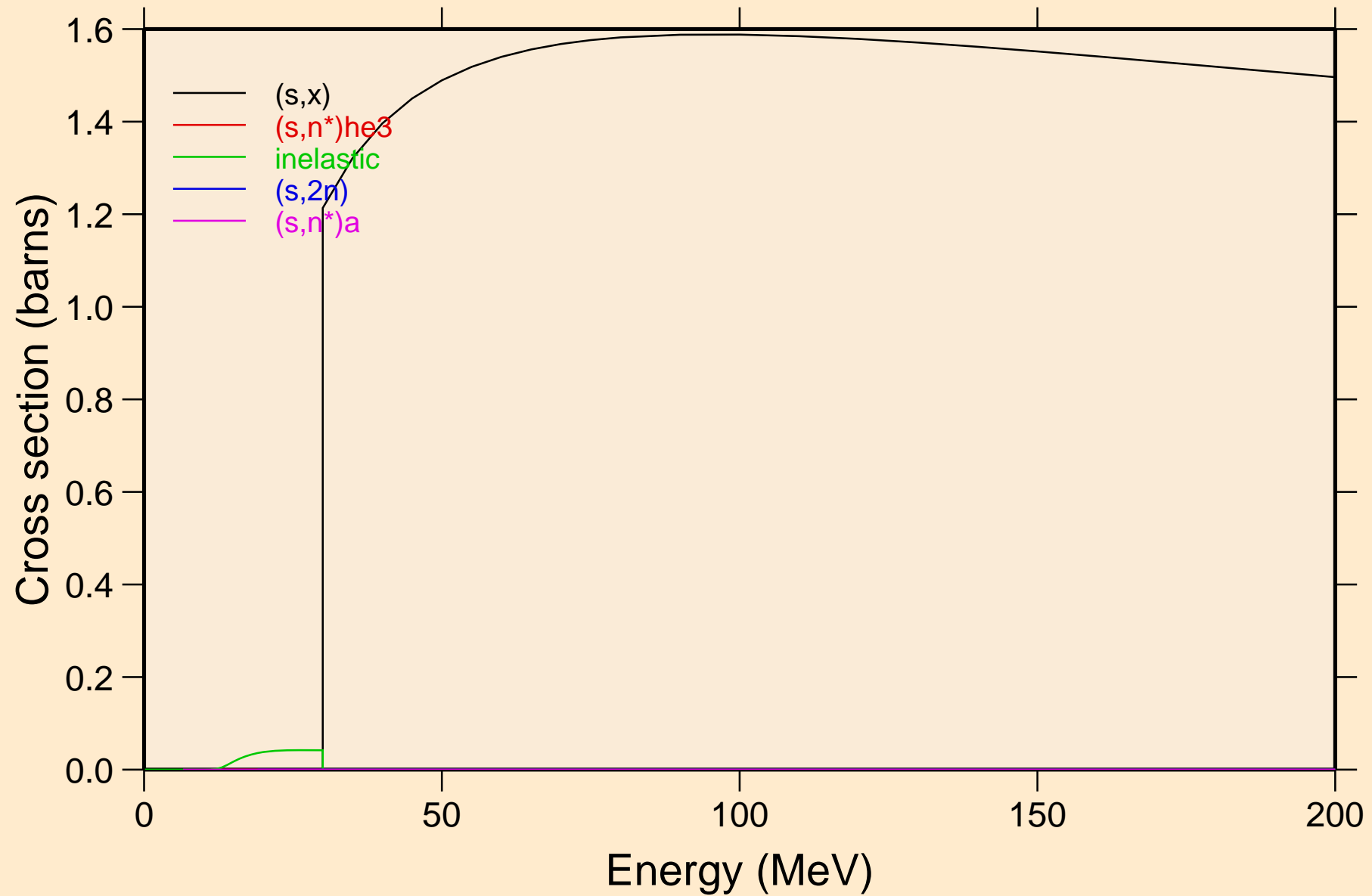


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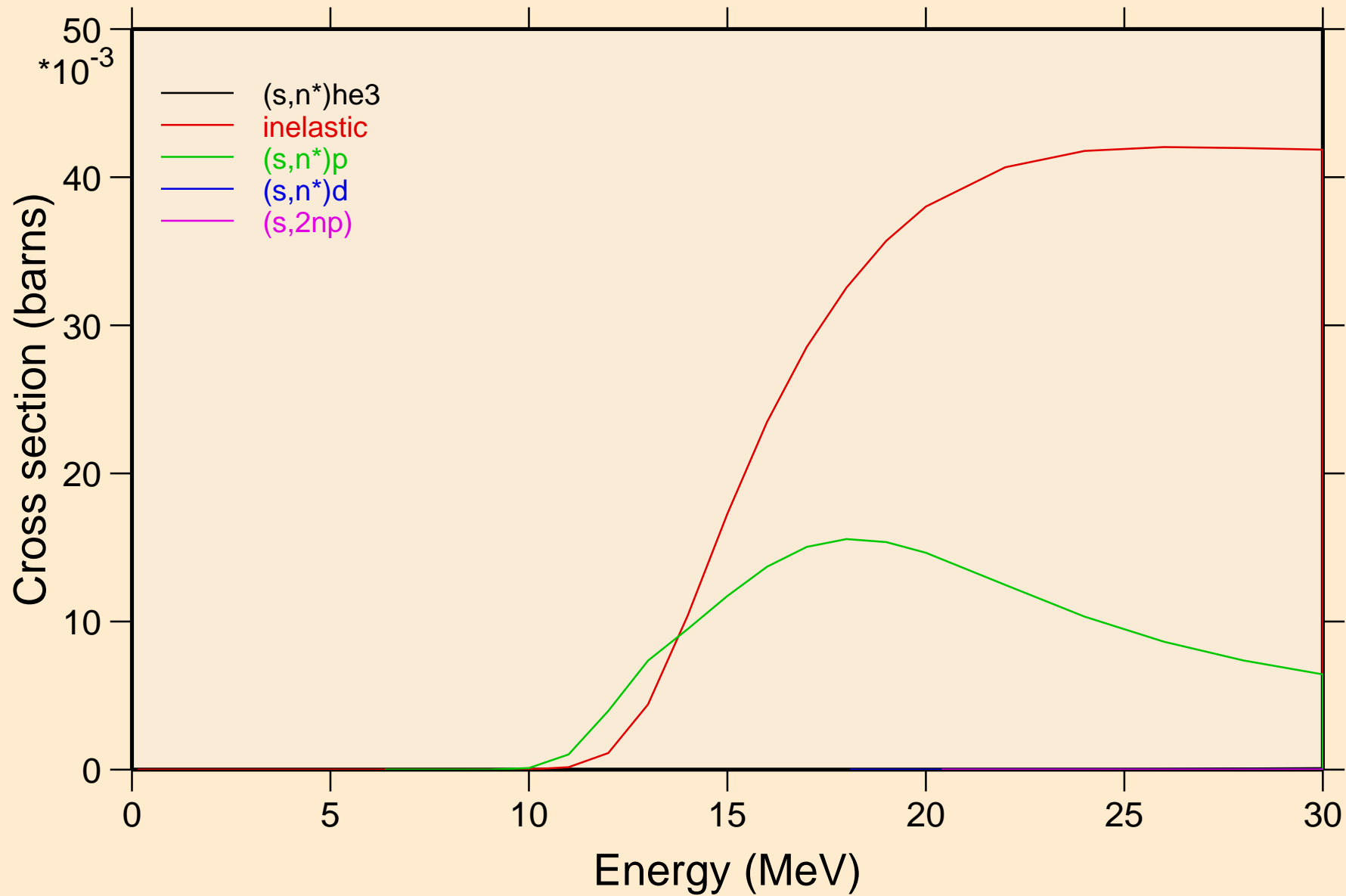
Heating



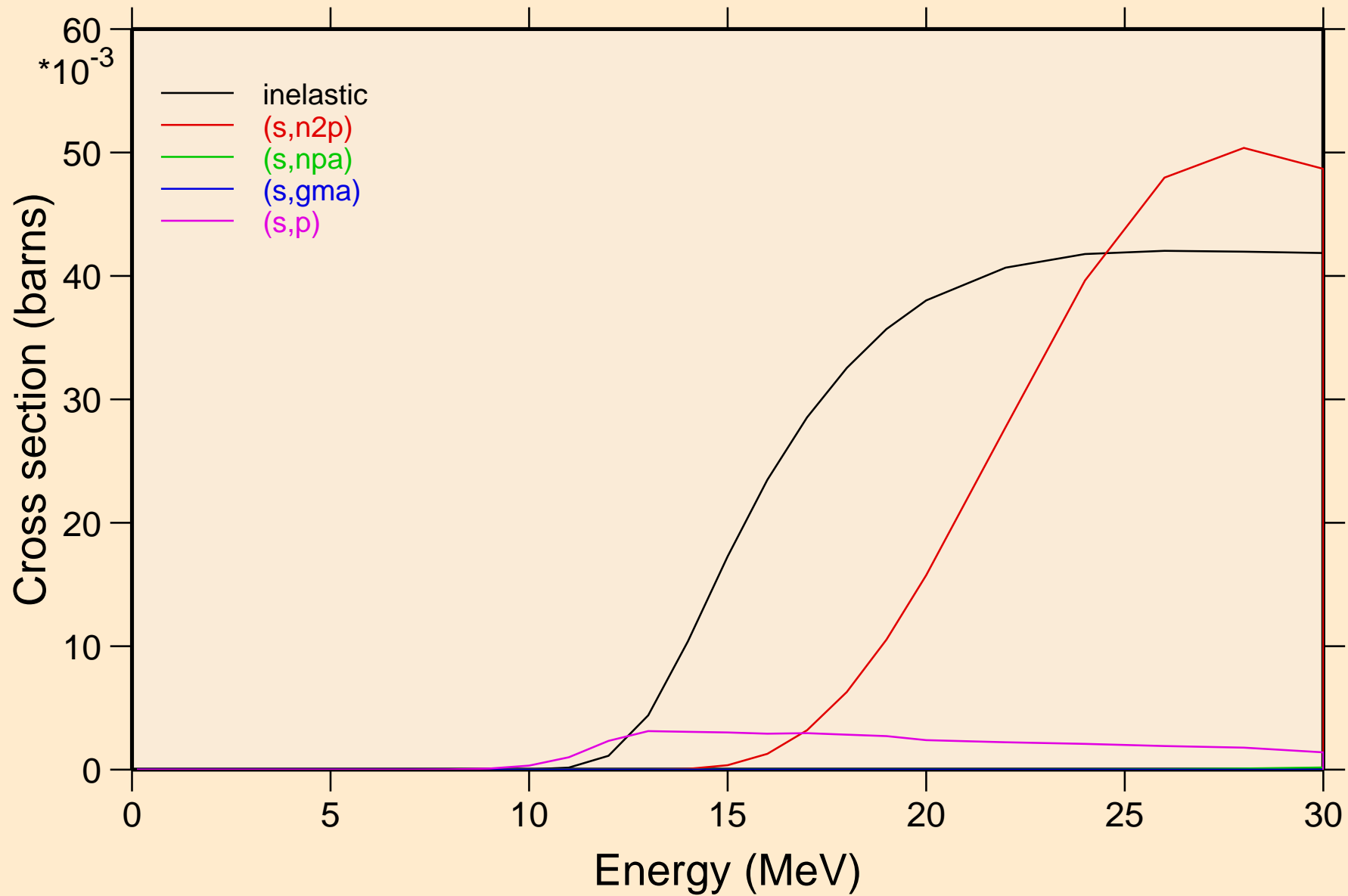
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Threshold reactions



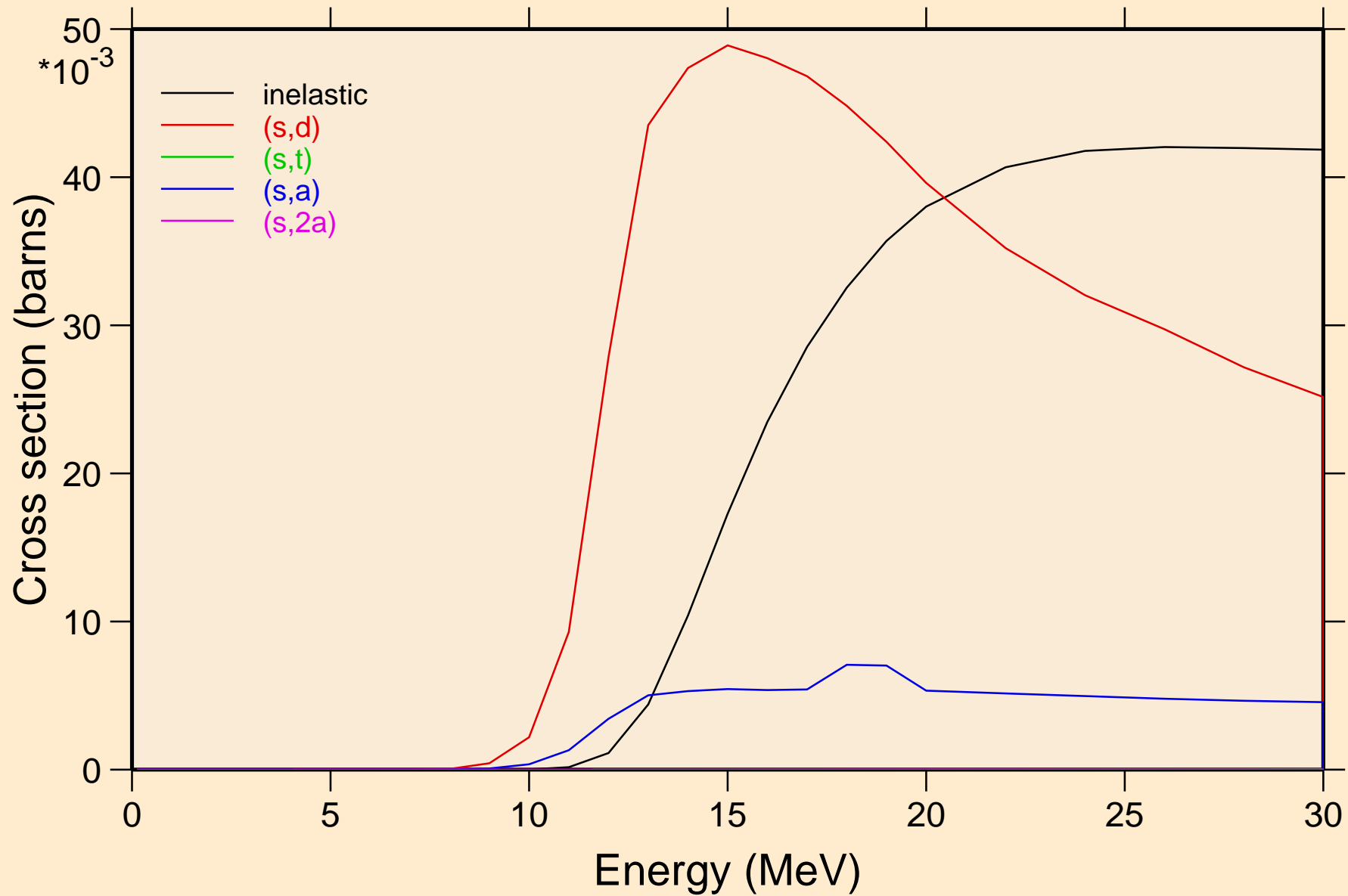
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Threshold reactions



ZR081 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

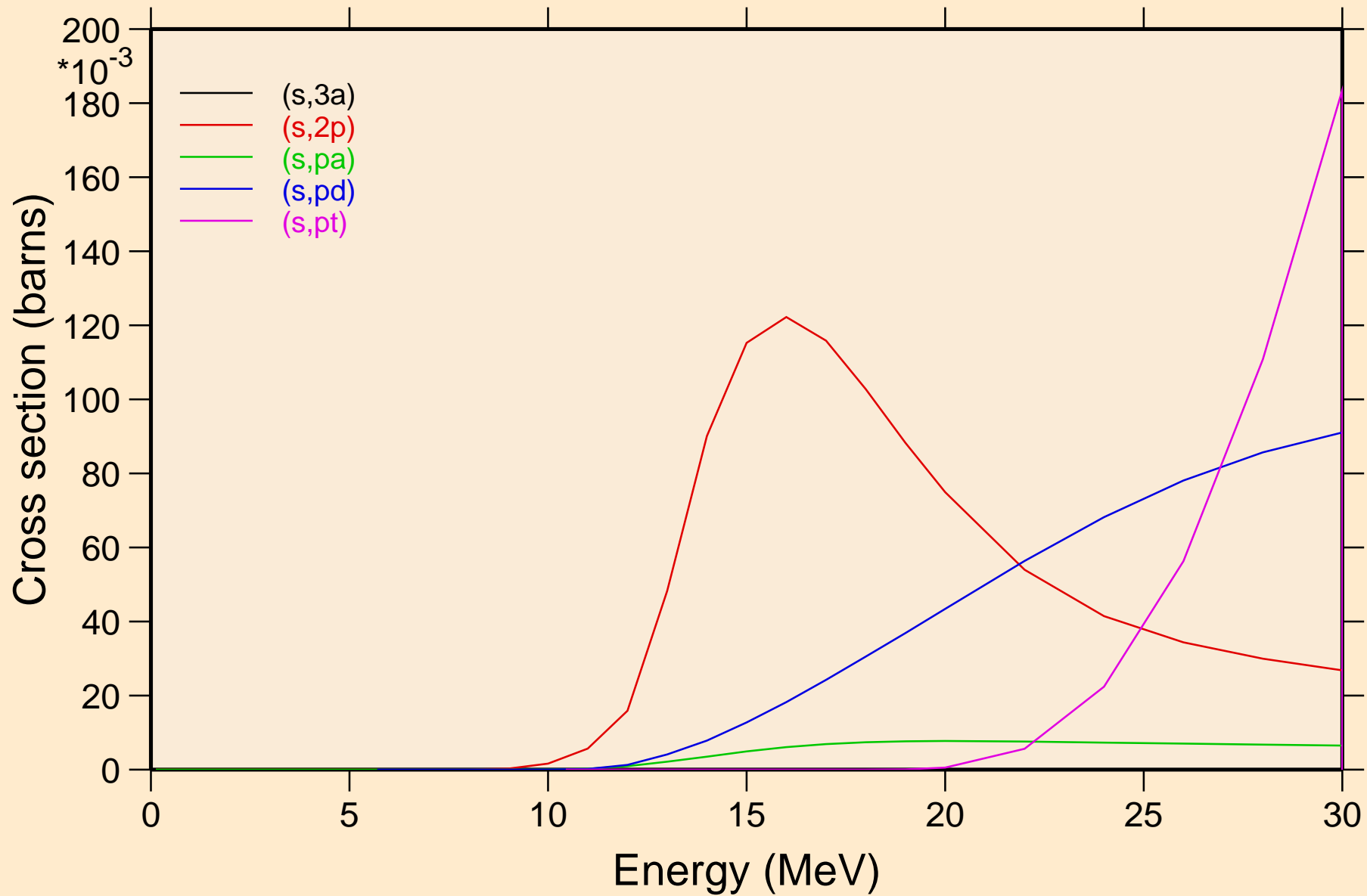


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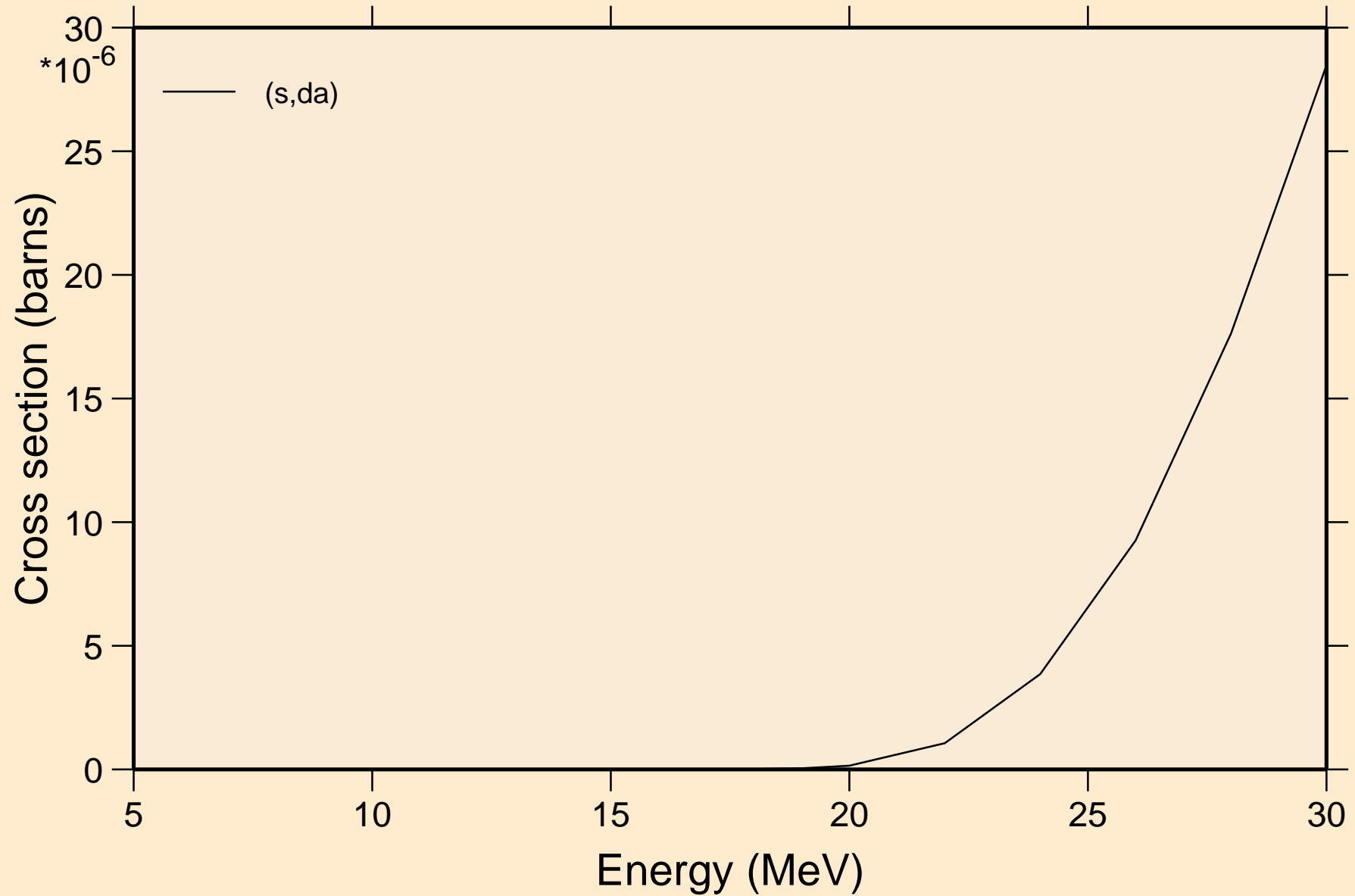




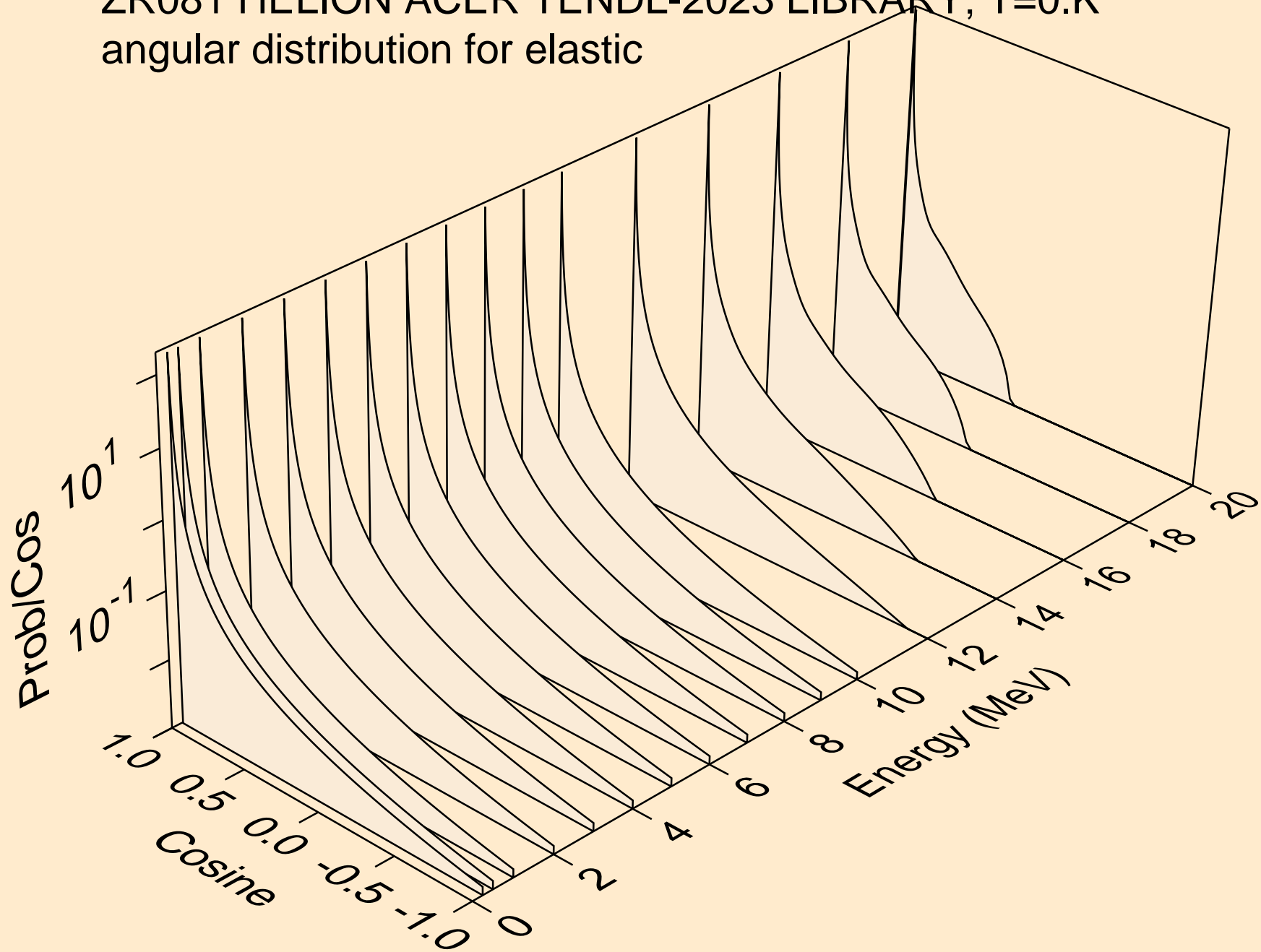
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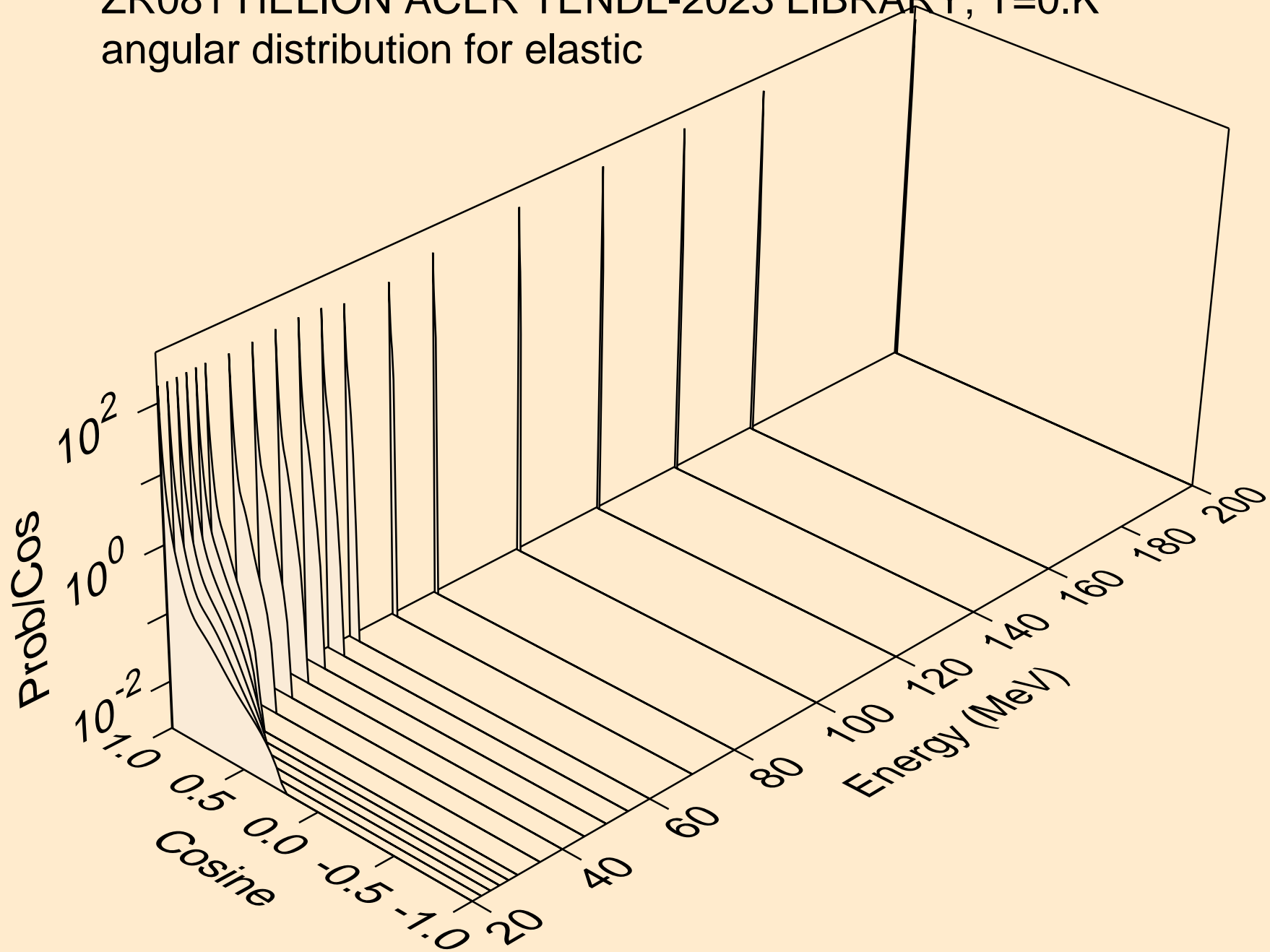
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Threshold reactions



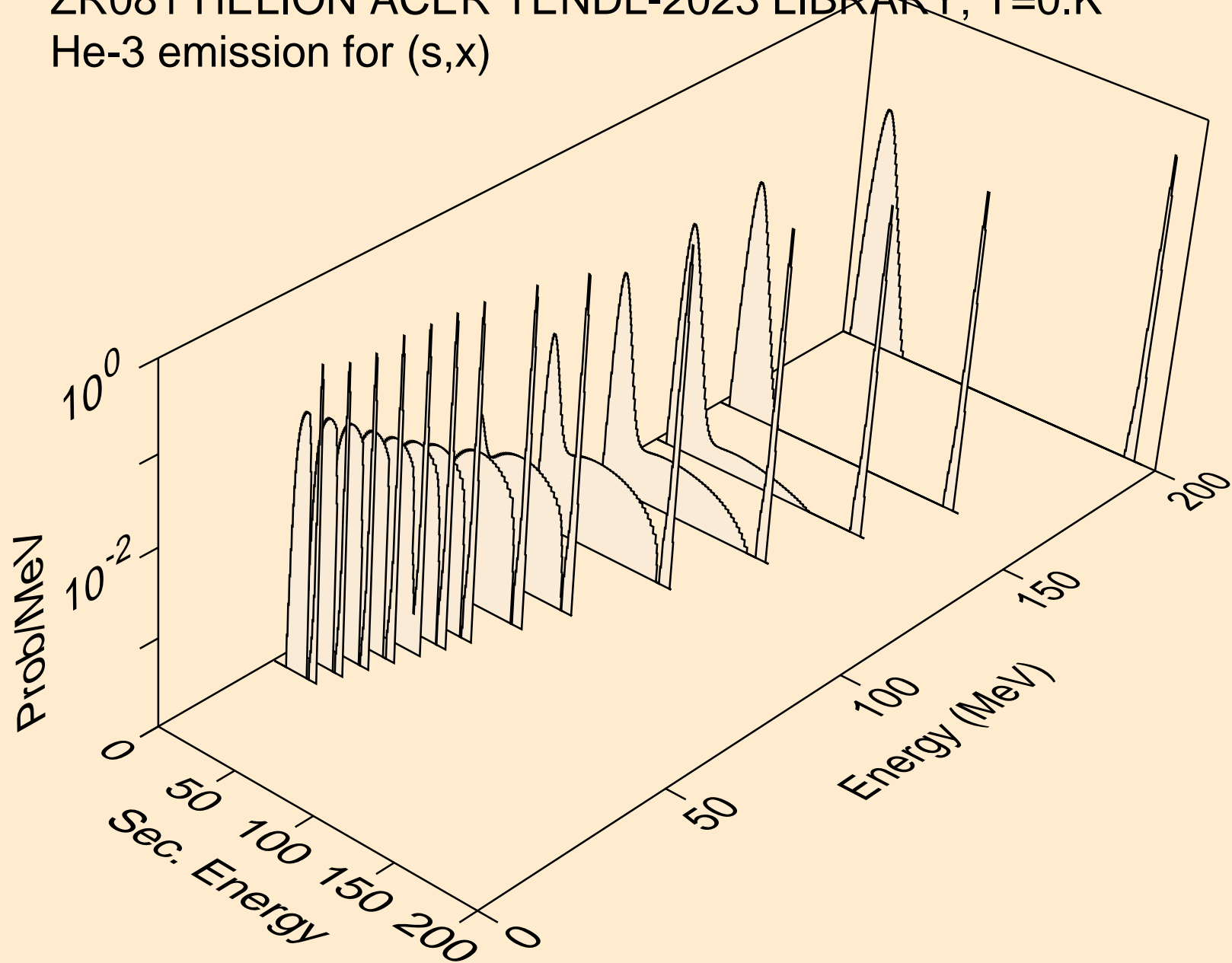
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angular distribution for elastic



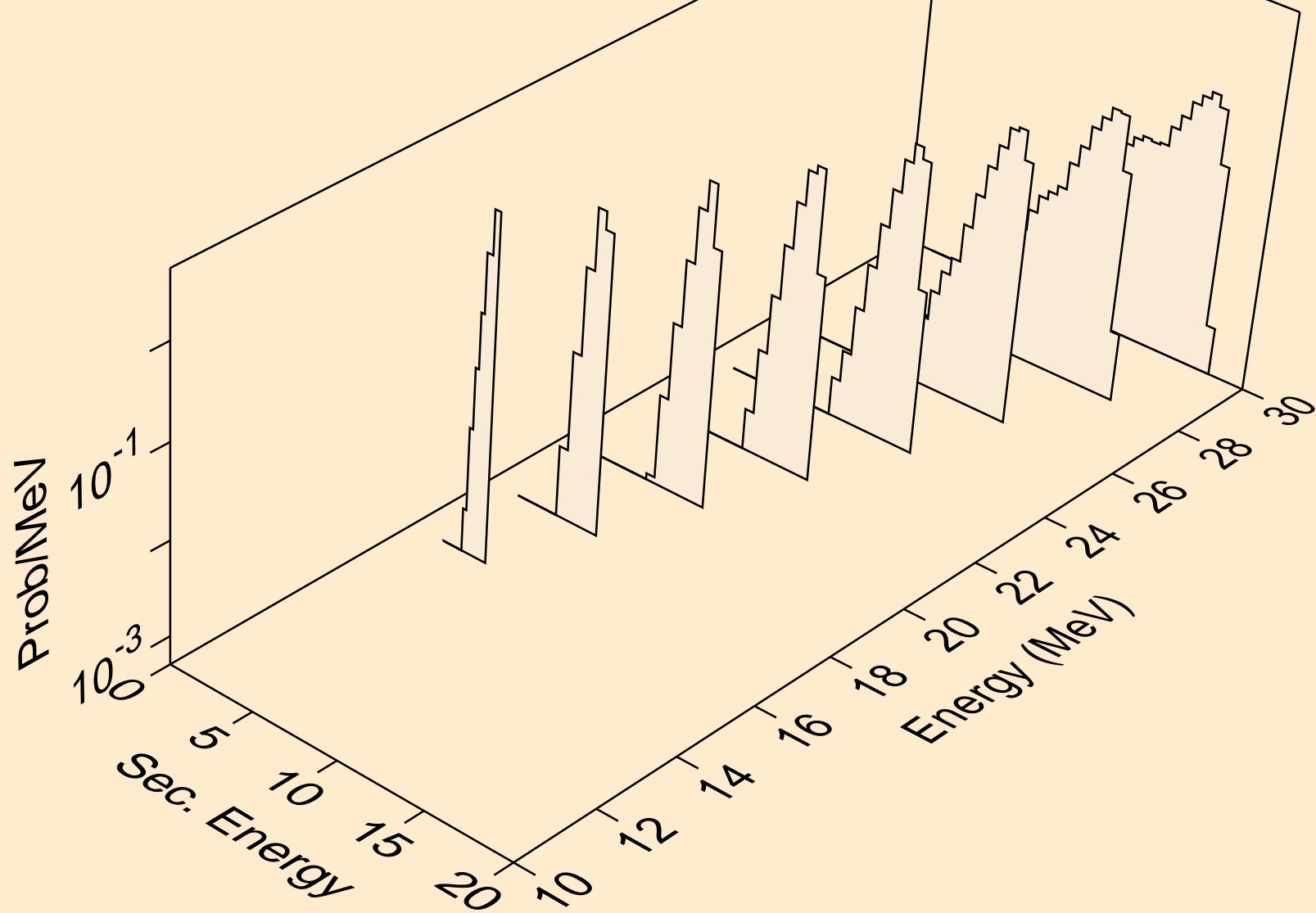
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angular distribution for elastic



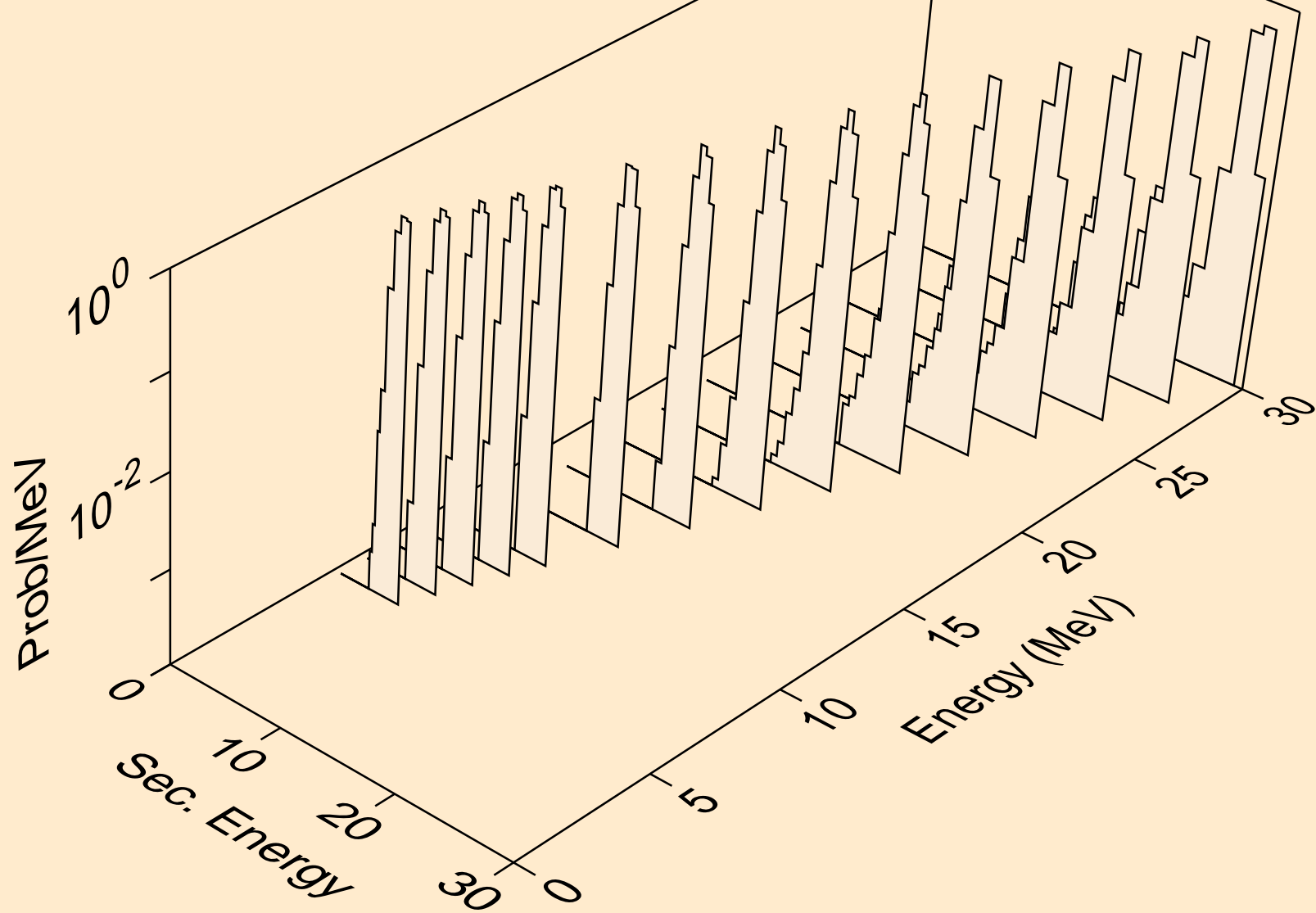
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He-3 emission for (s,x)



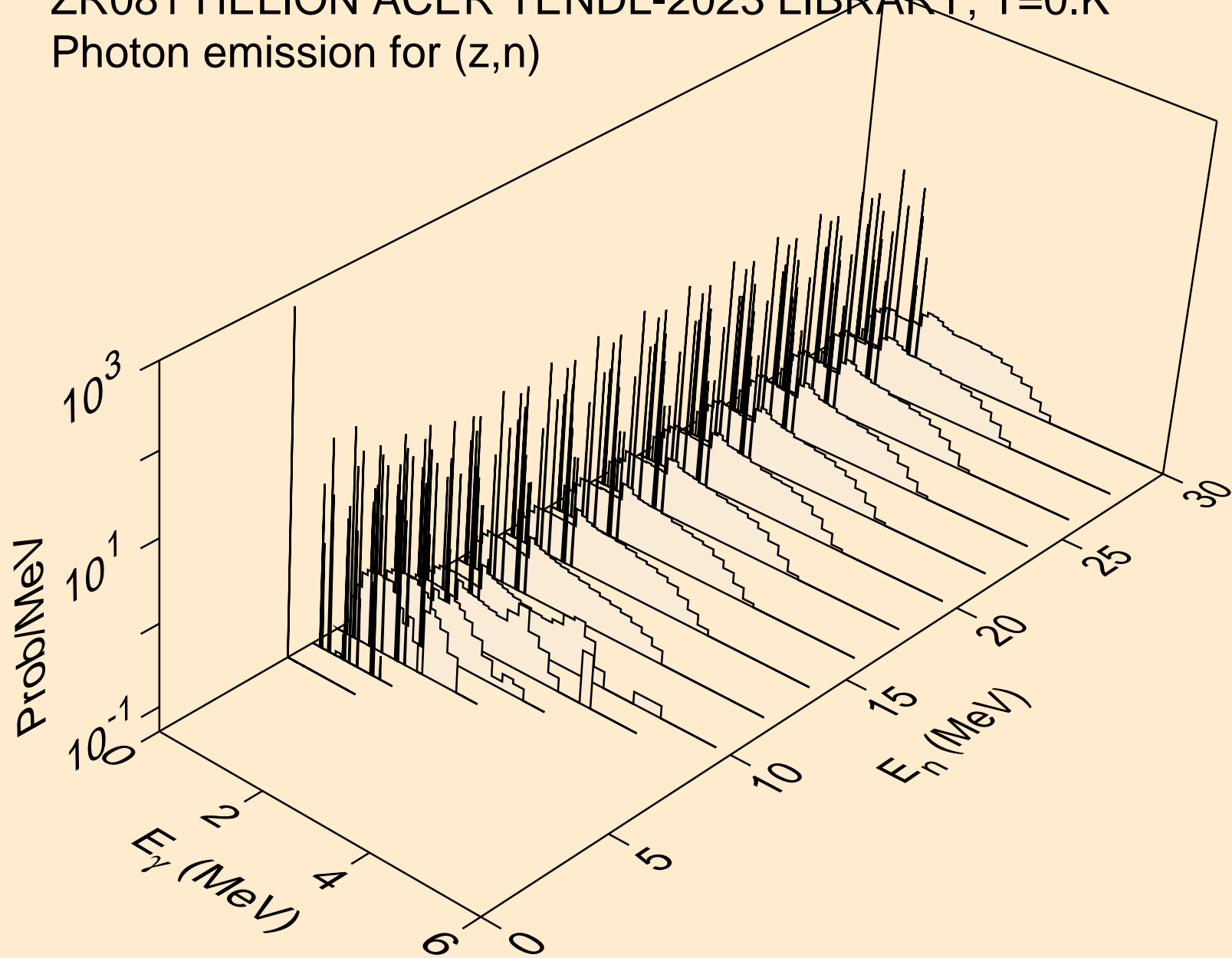
ZR081 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3



ZR081 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic

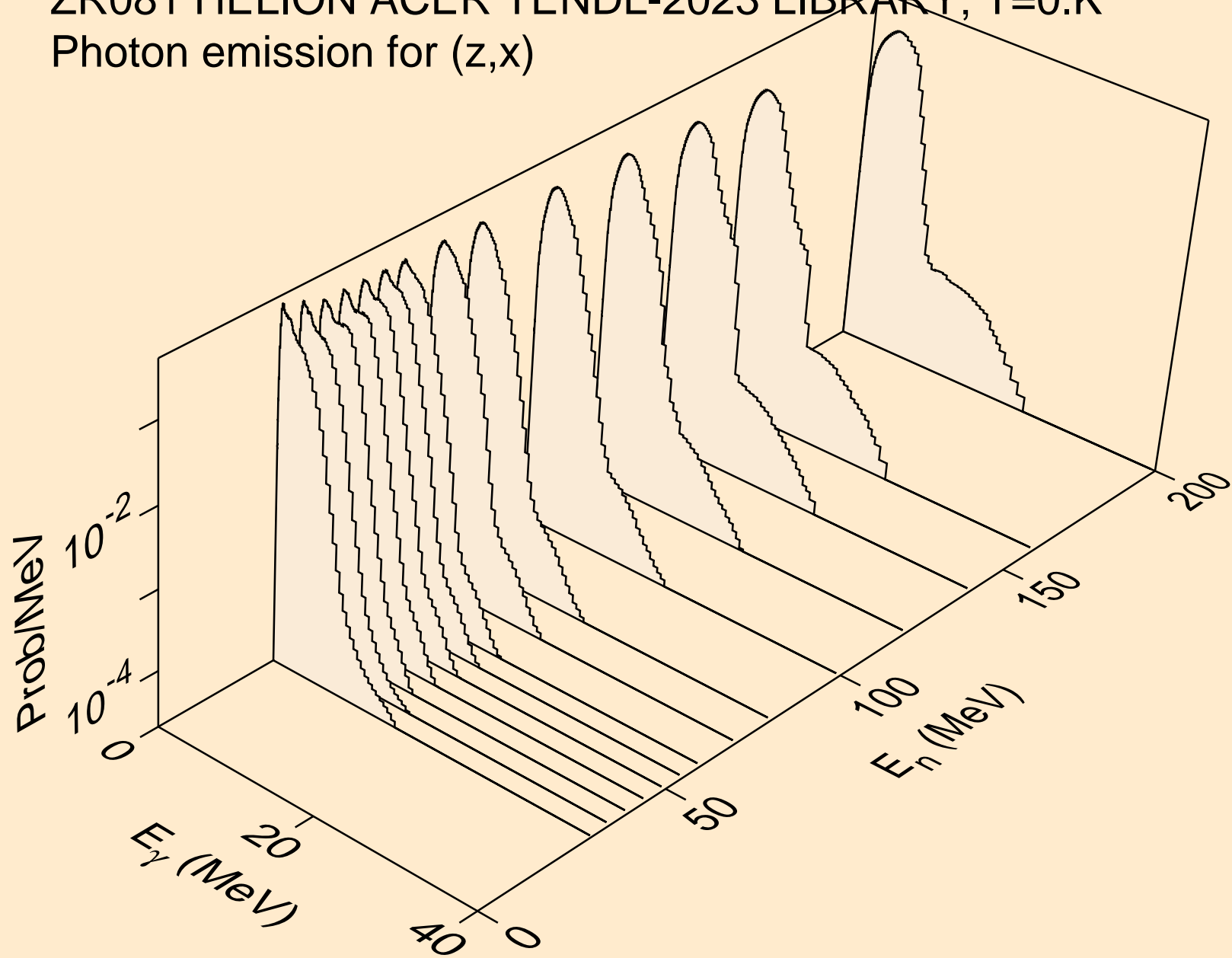


ZR081 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)

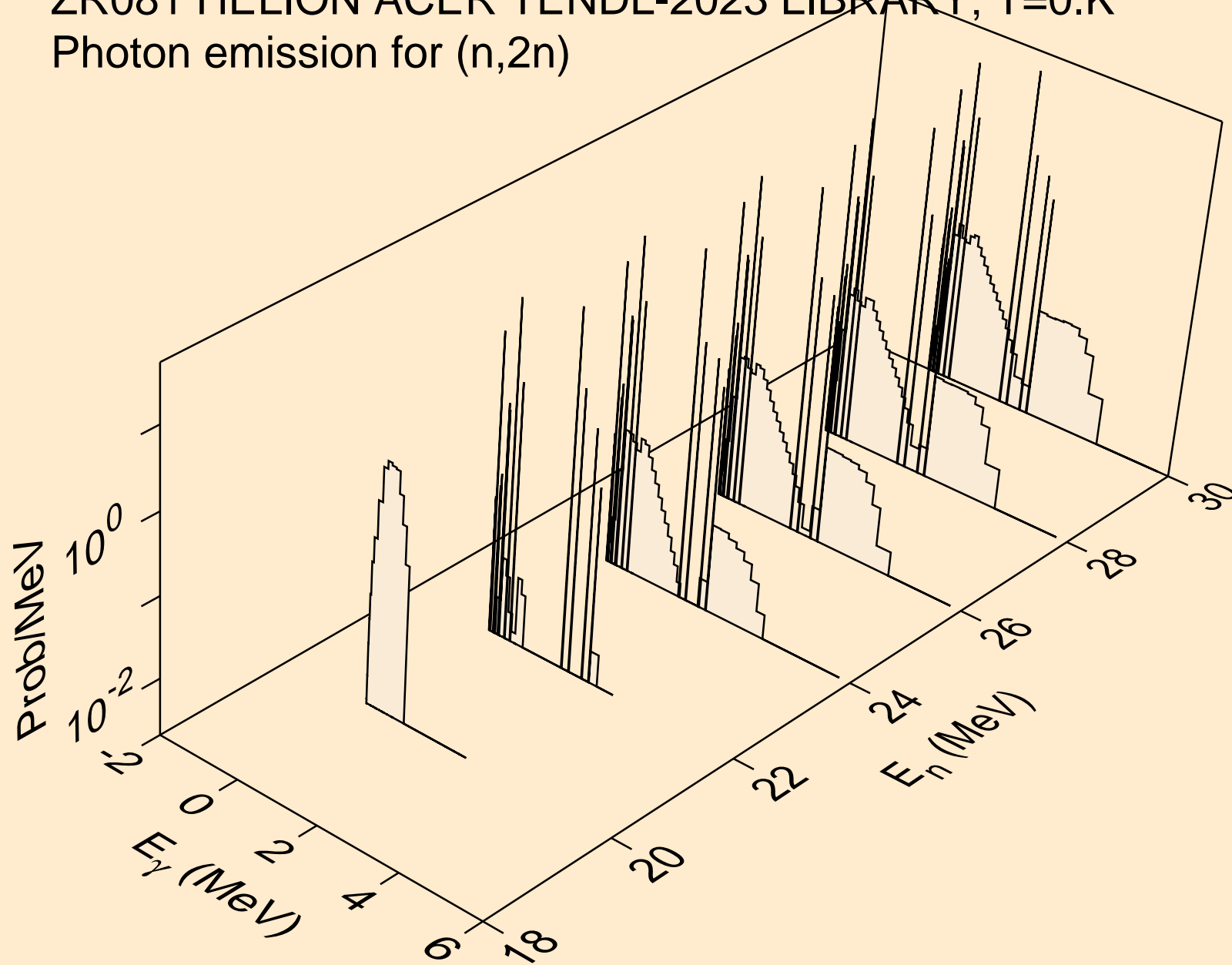




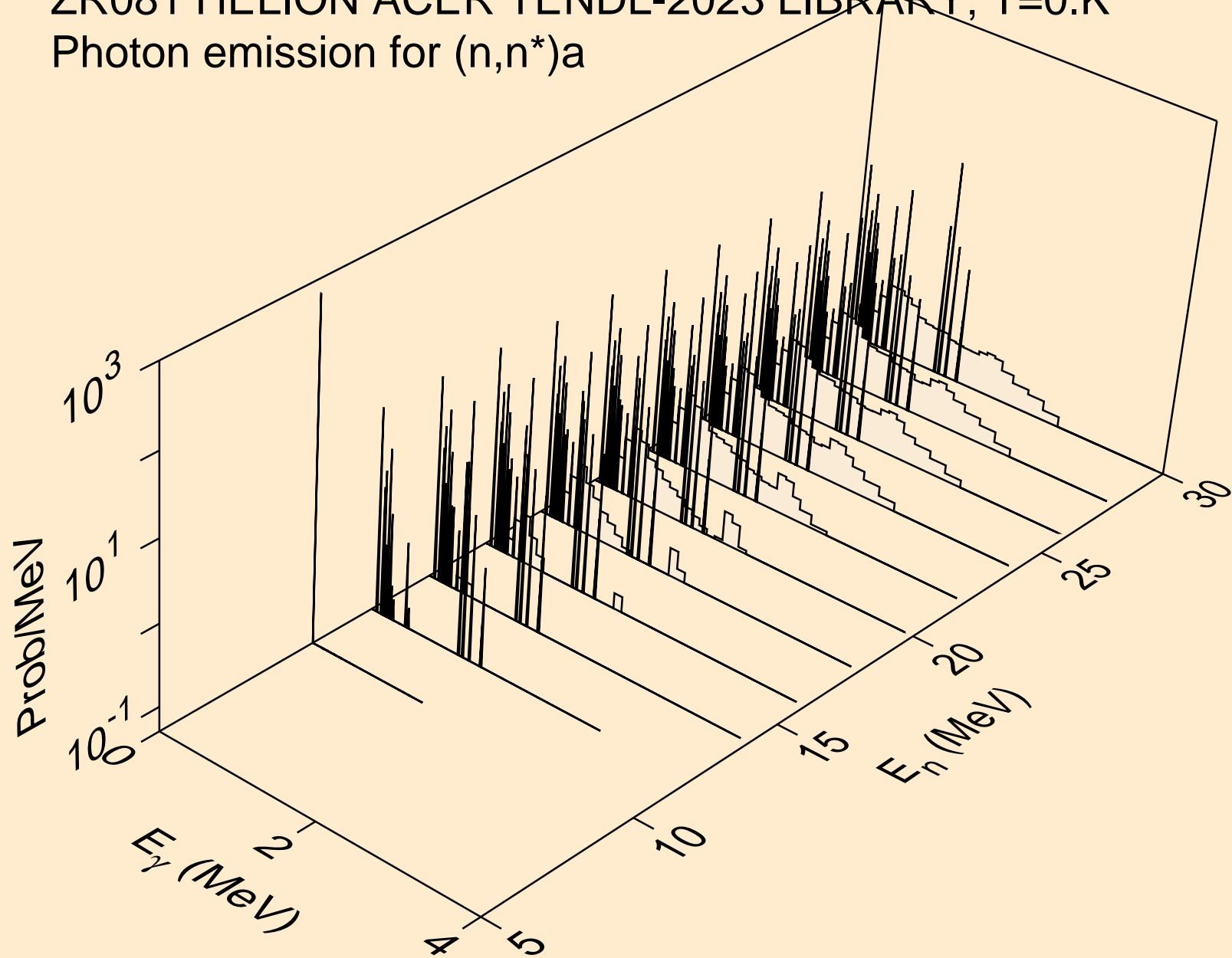
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Photon emission for (z,x)



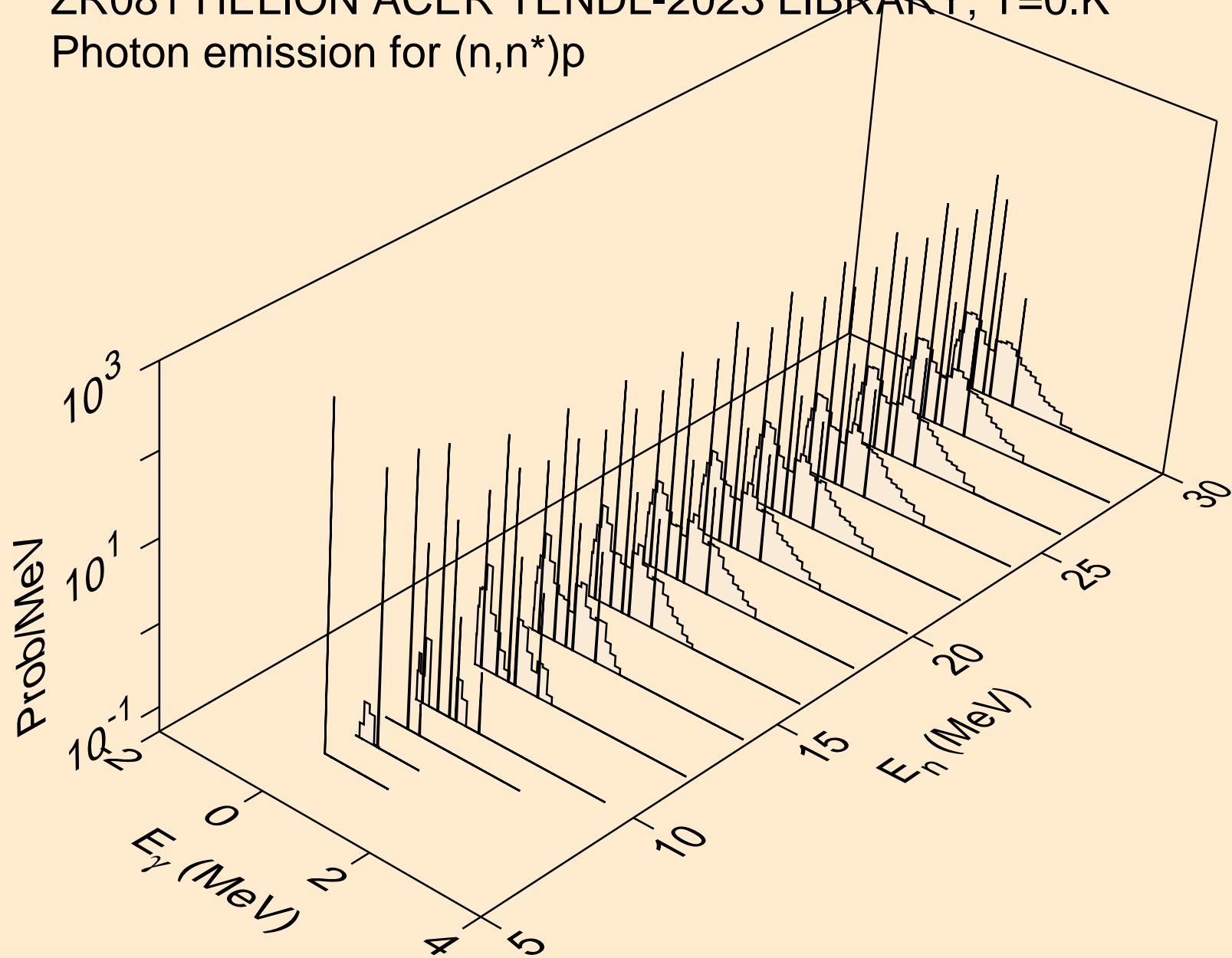
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Photon emission for (n,2n)



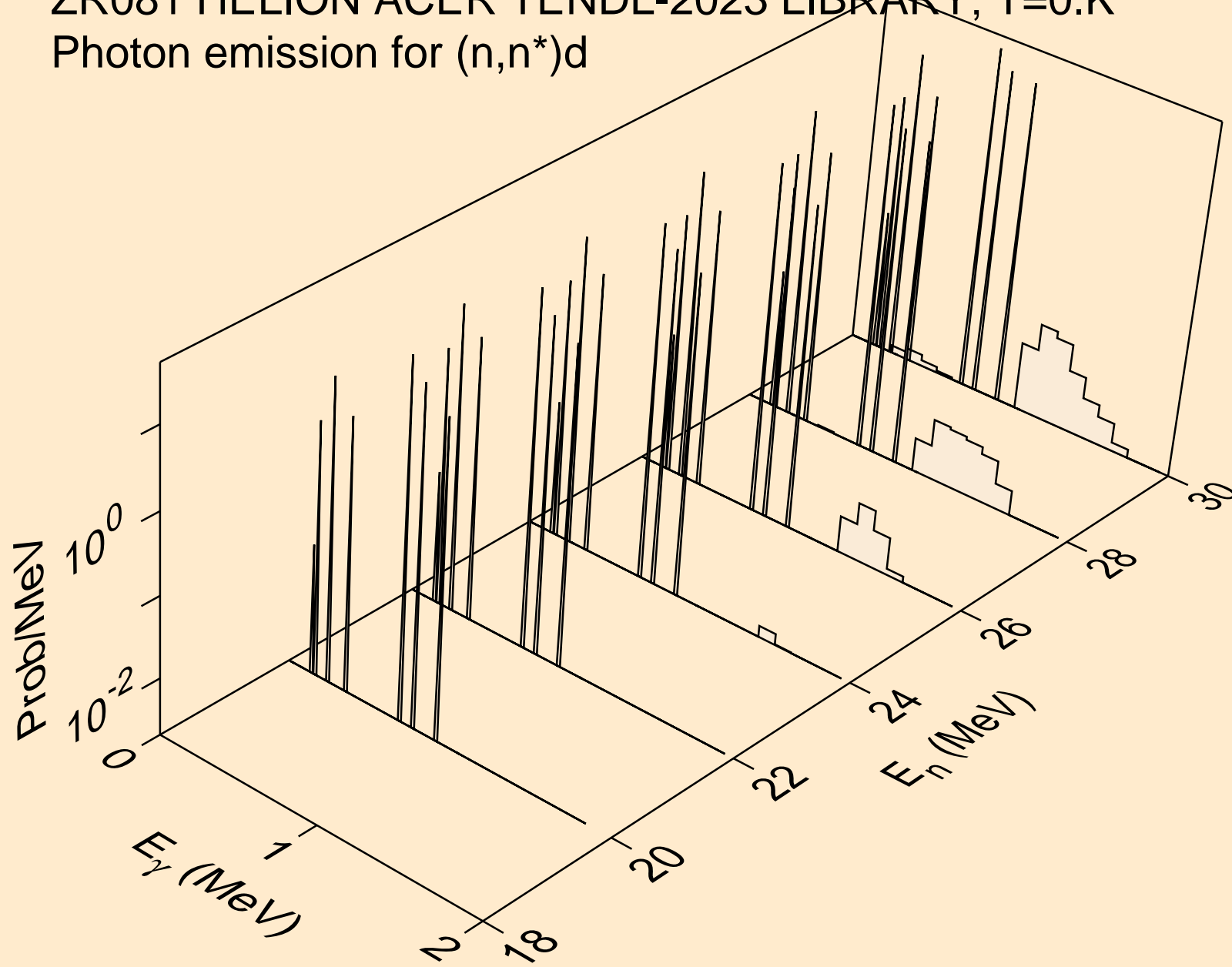
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Photon emission for (n,n\*)a



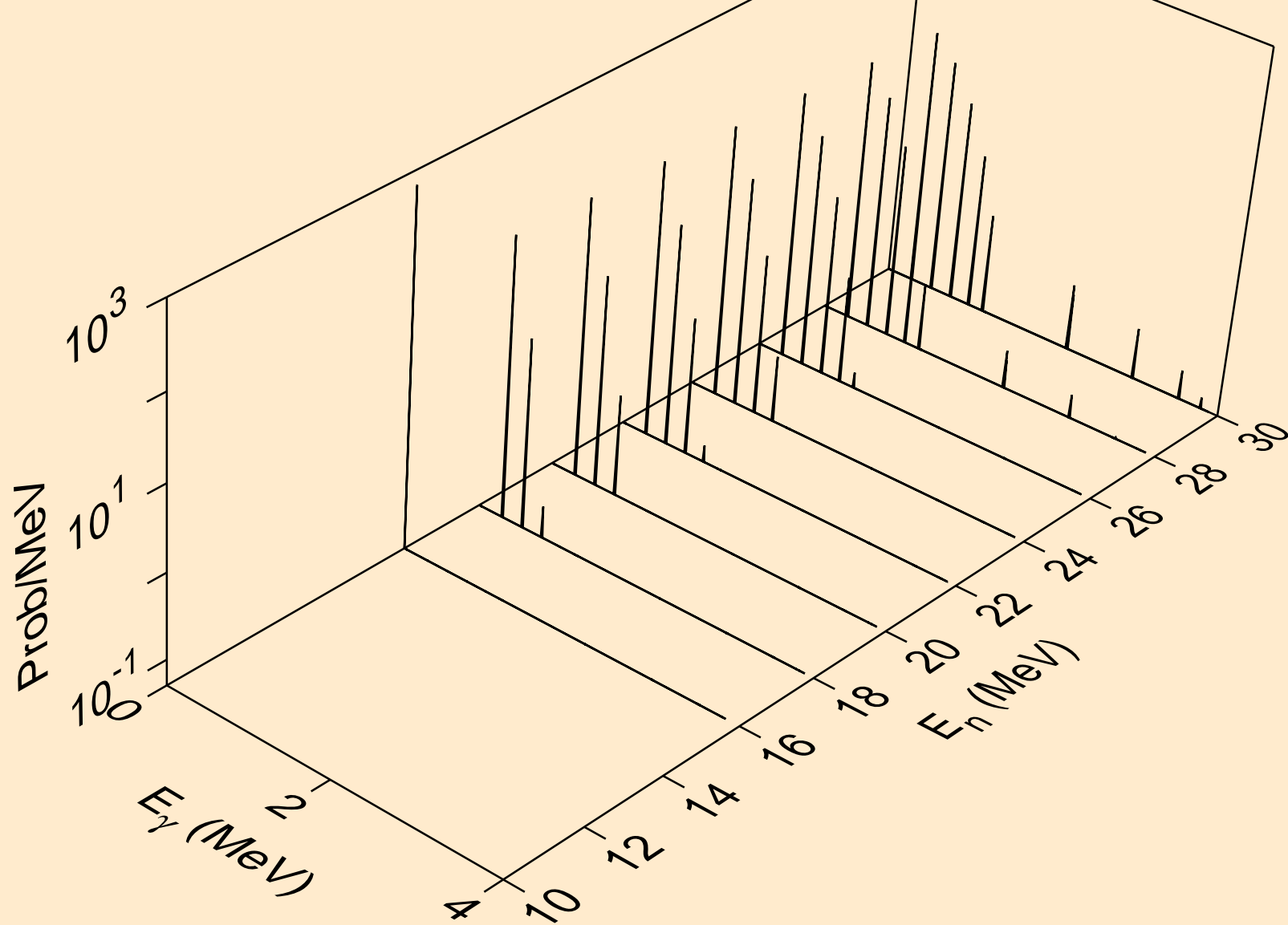
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Photon emission for (n,n\*)p



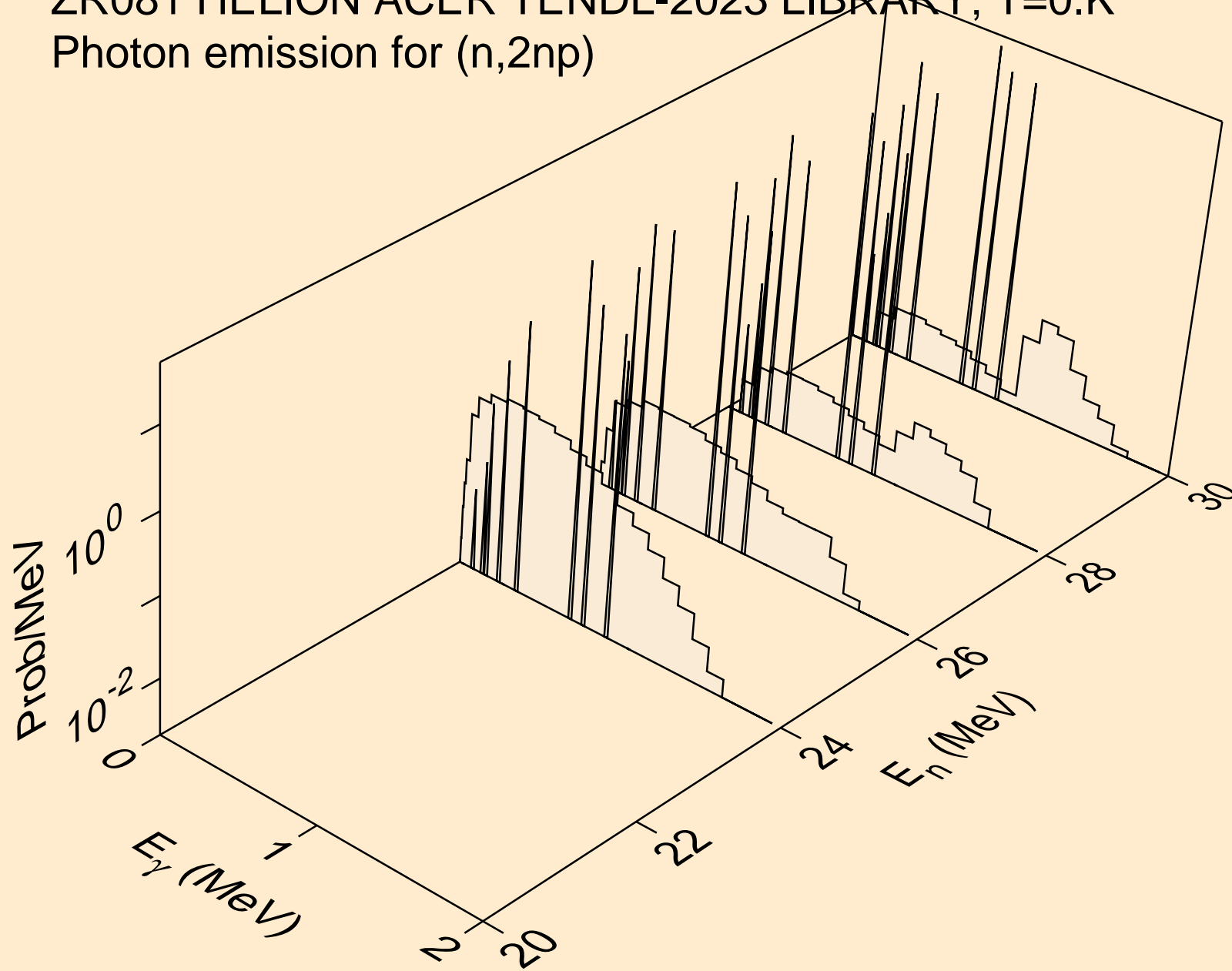
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Photon emission for (n,n\*)d



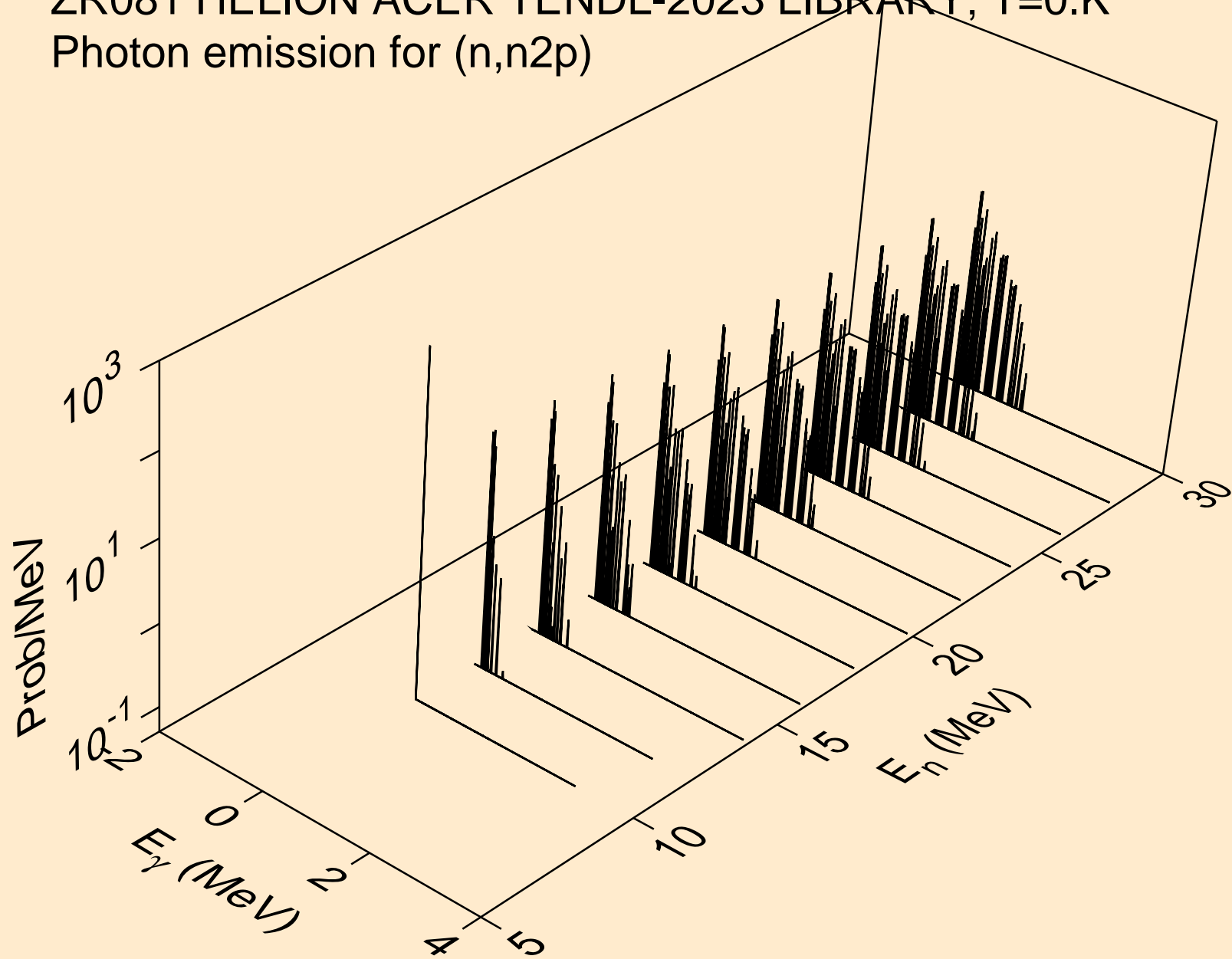
ZR081 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



ZR081 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

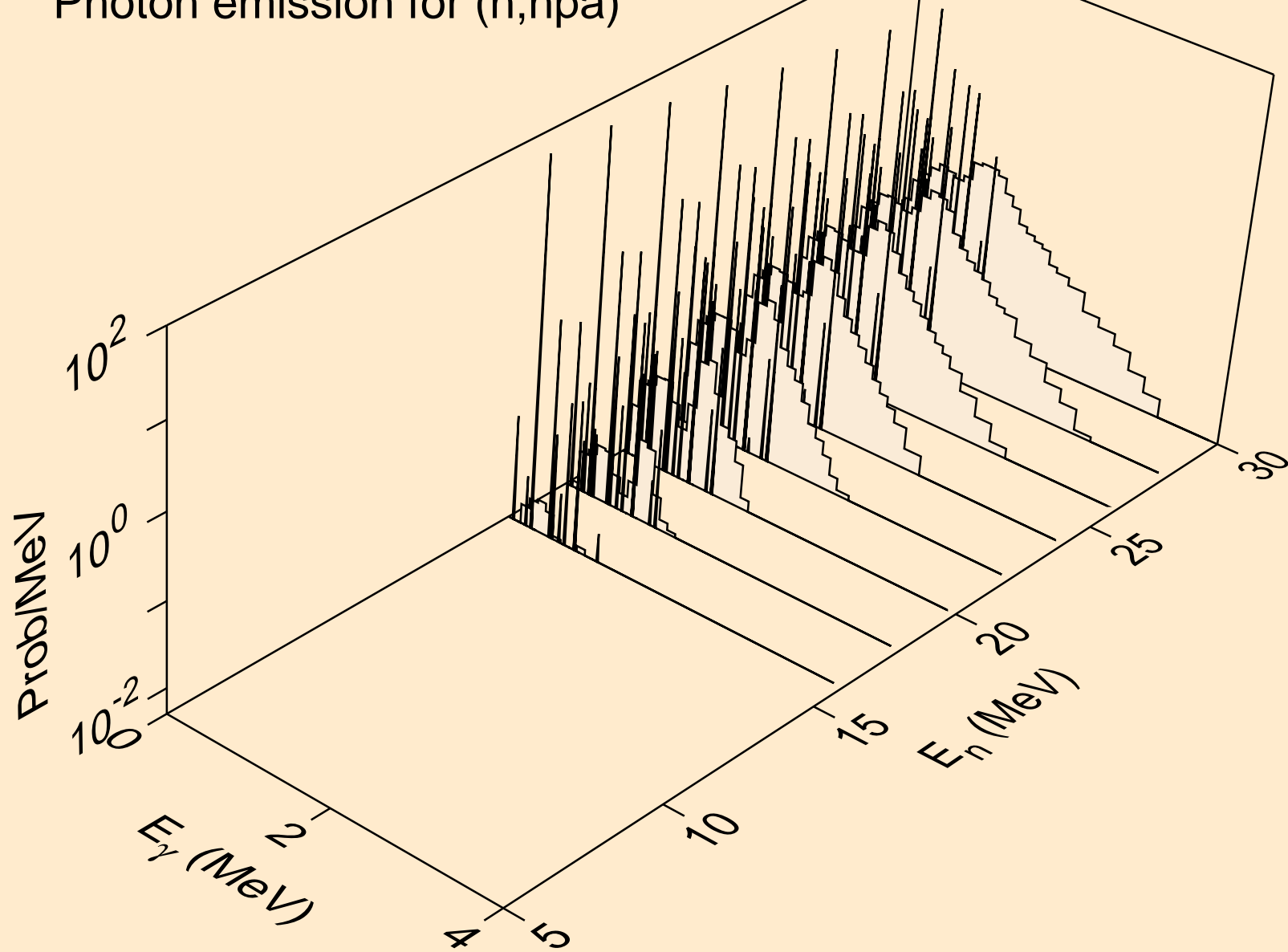


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Photon emission for (n,n2p)

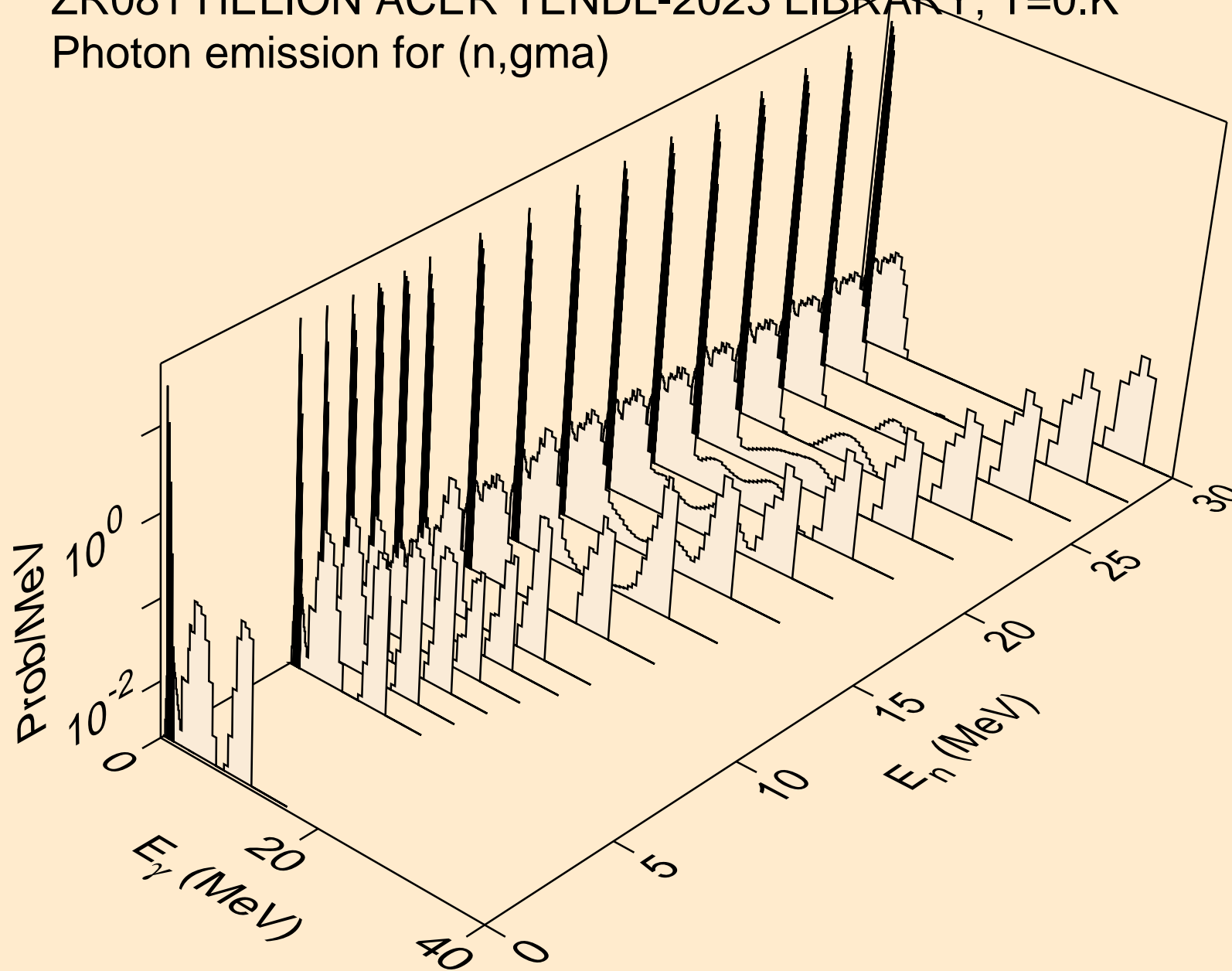




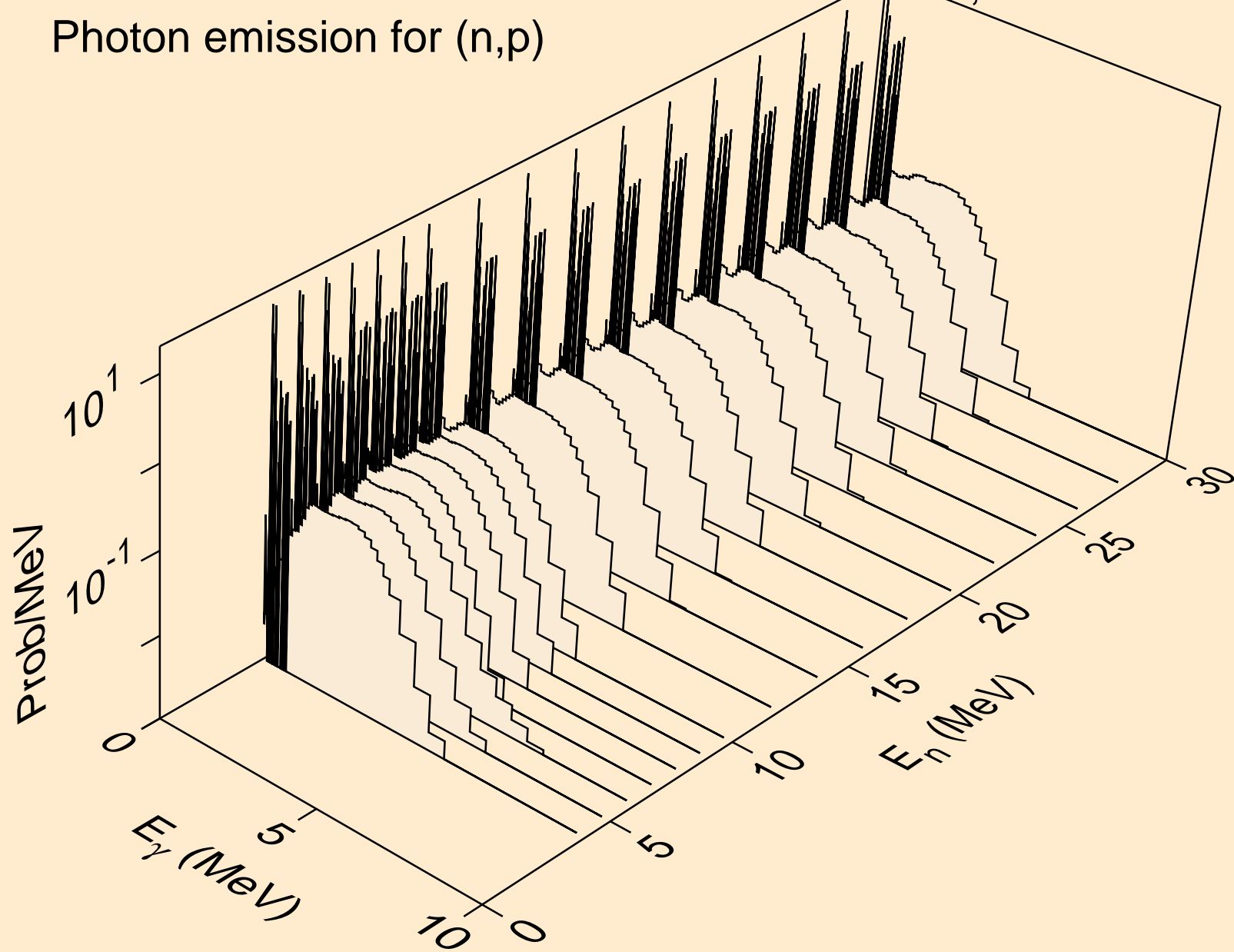
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Photon emission for (n,npa)



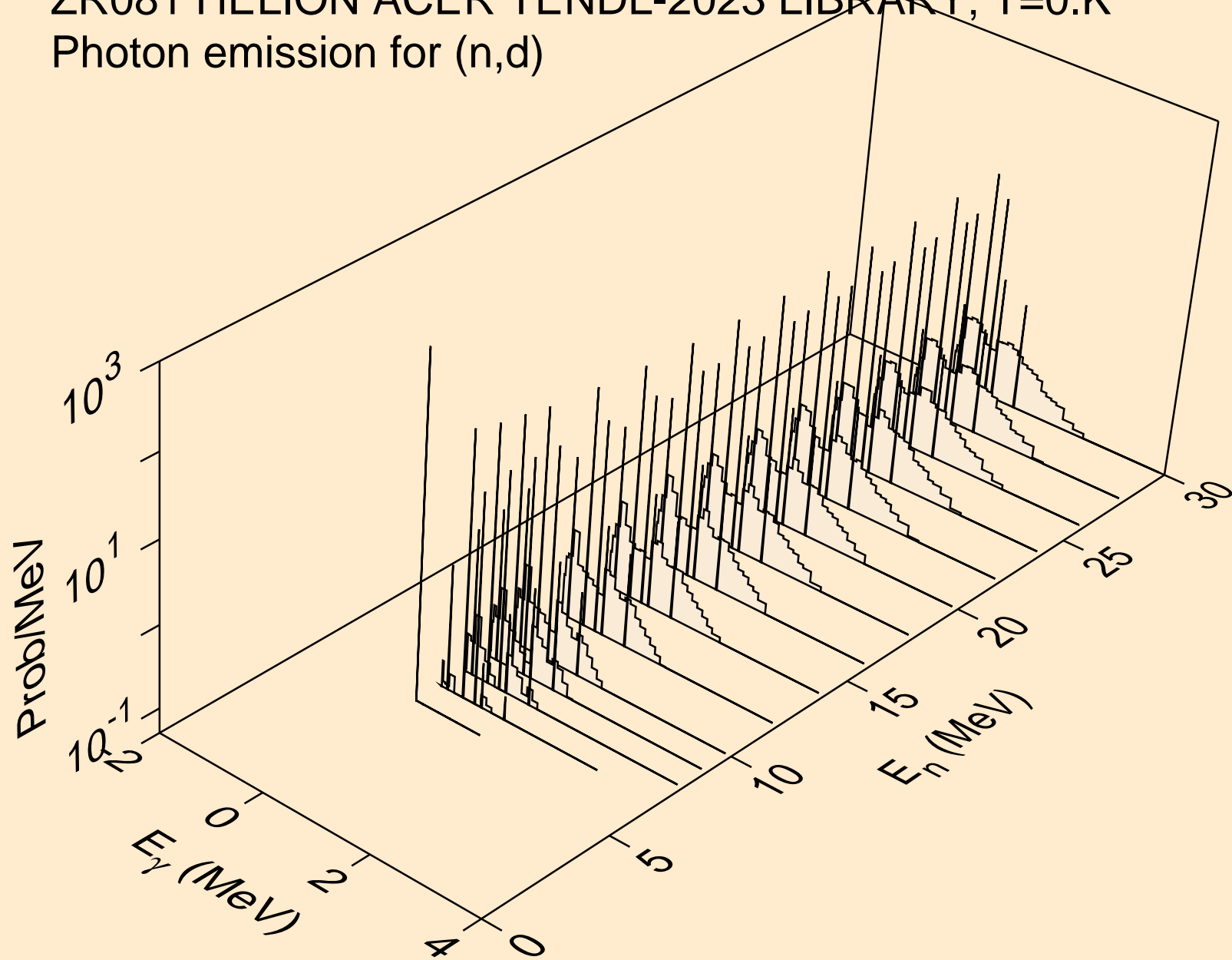
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Photon emission for (n,gma)



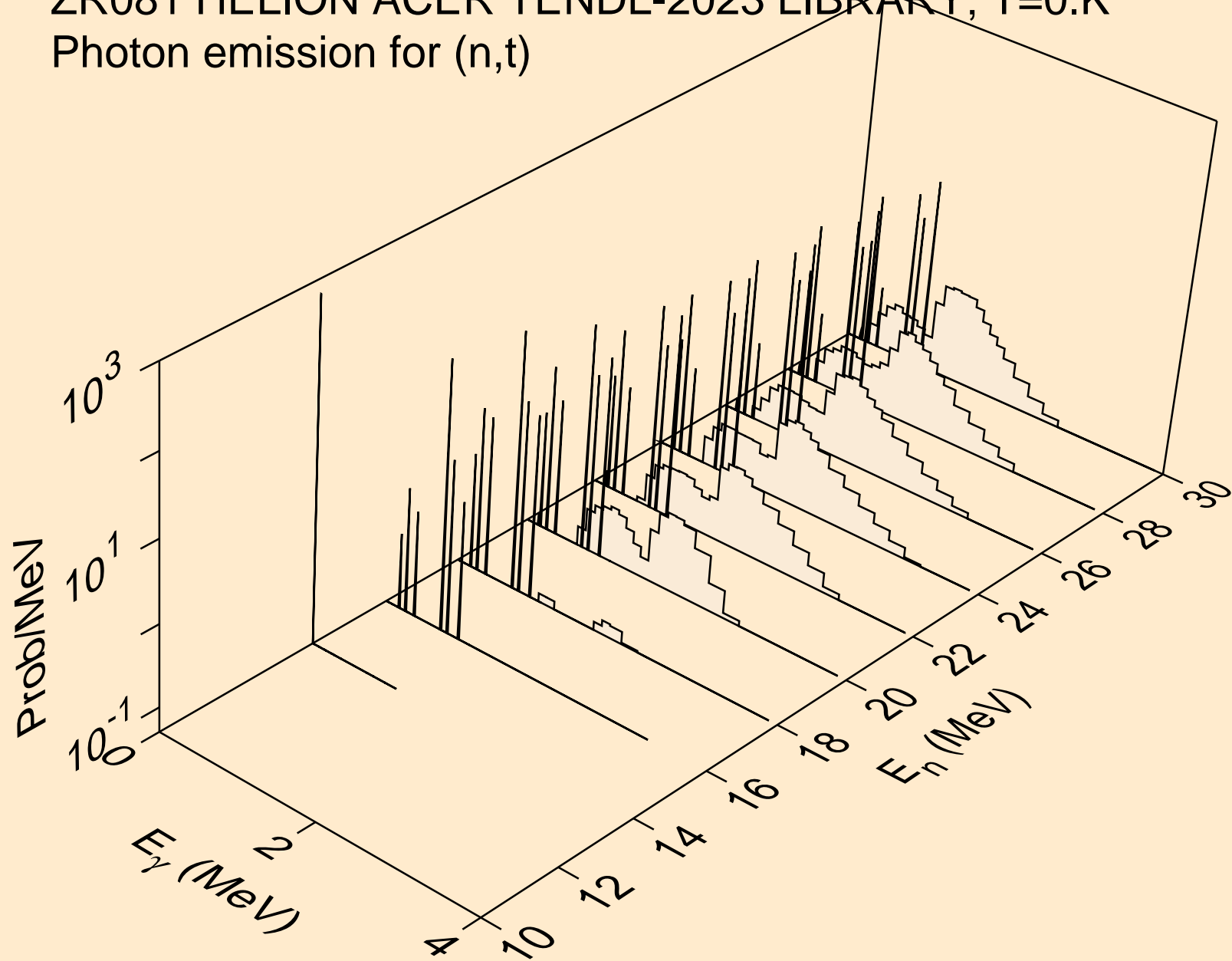
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Photon emission for (n,p)



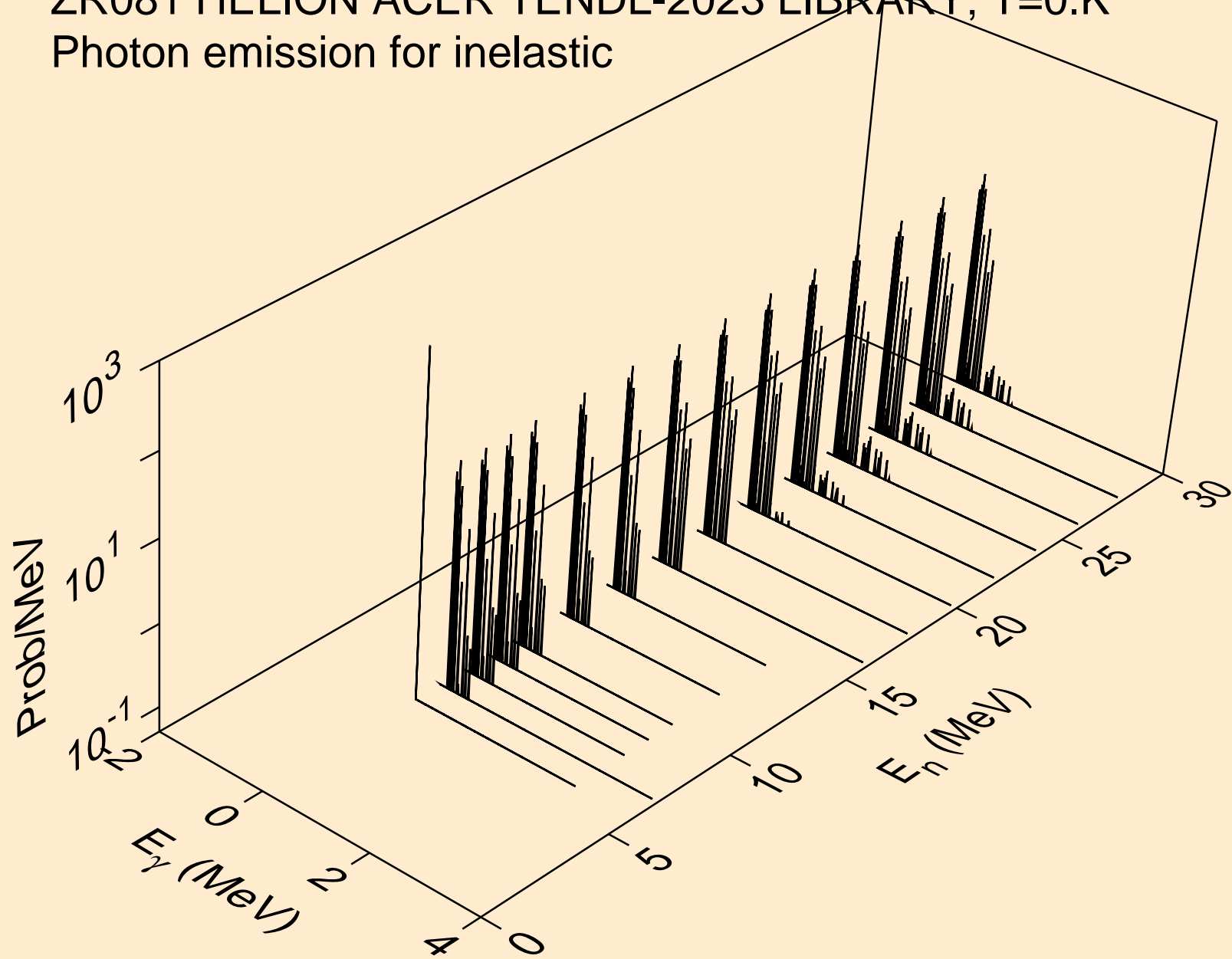
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Photon emission for (n,d)



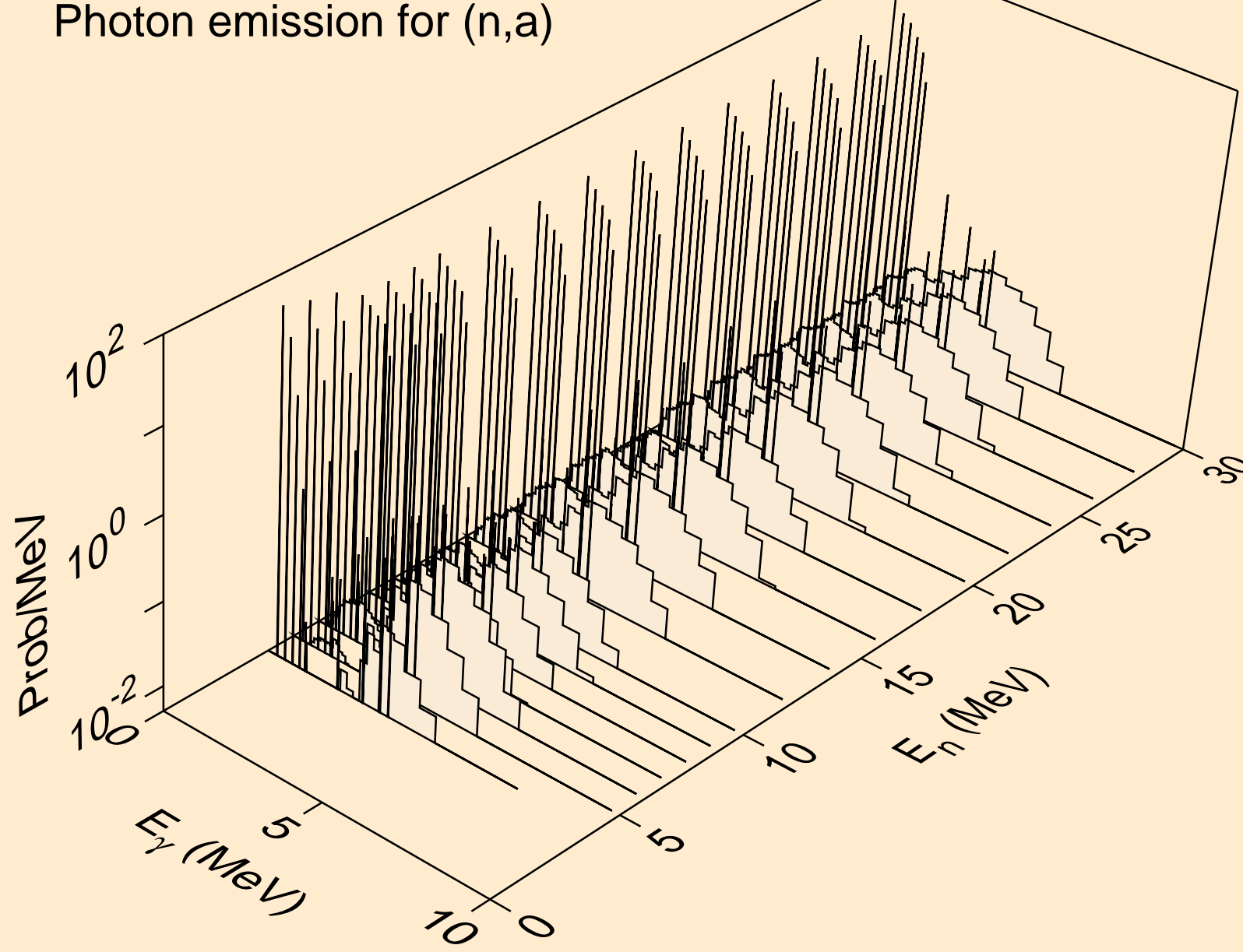
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Photon emission for (n,t)



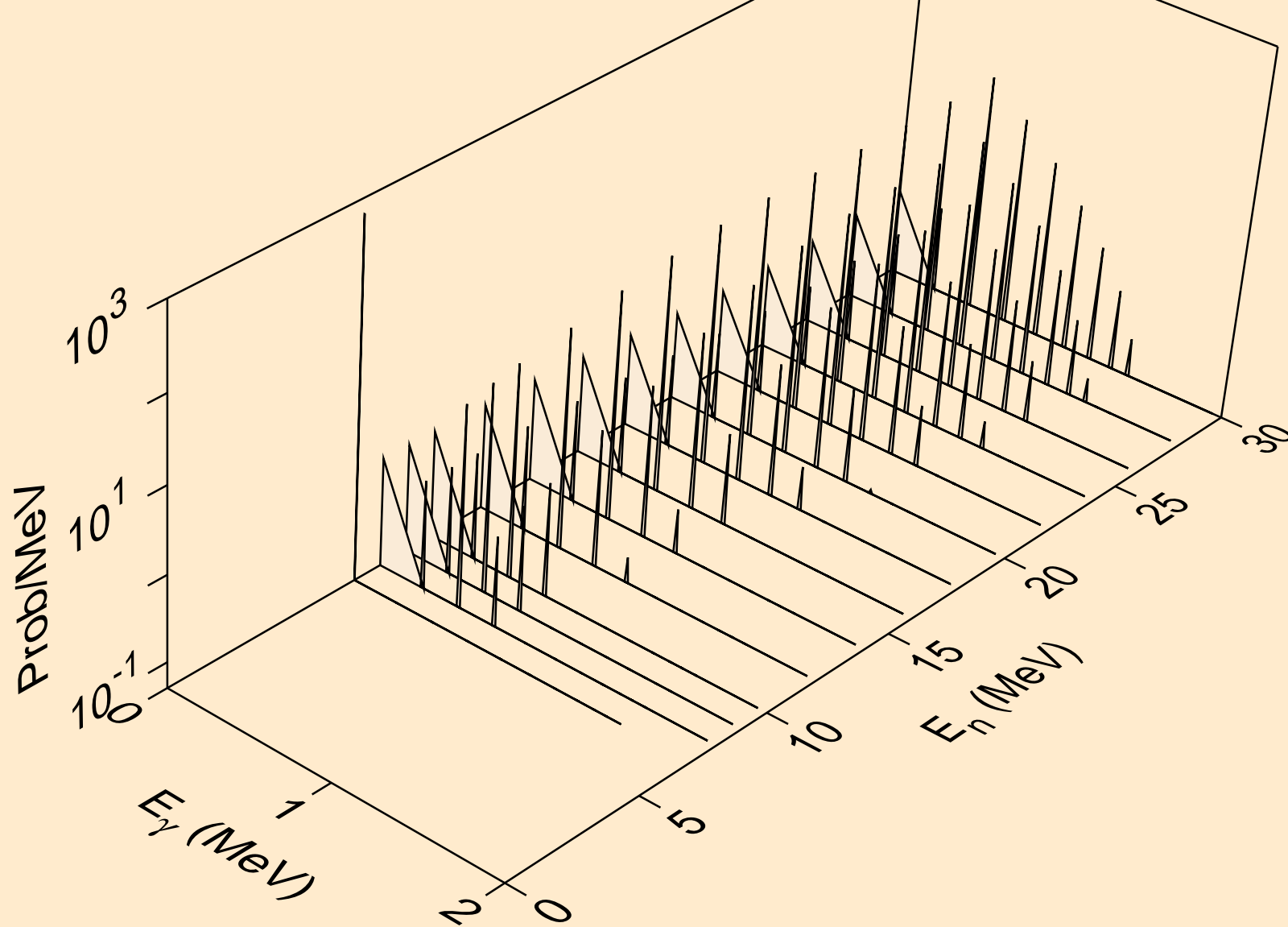
ZR081 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



ZR081 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

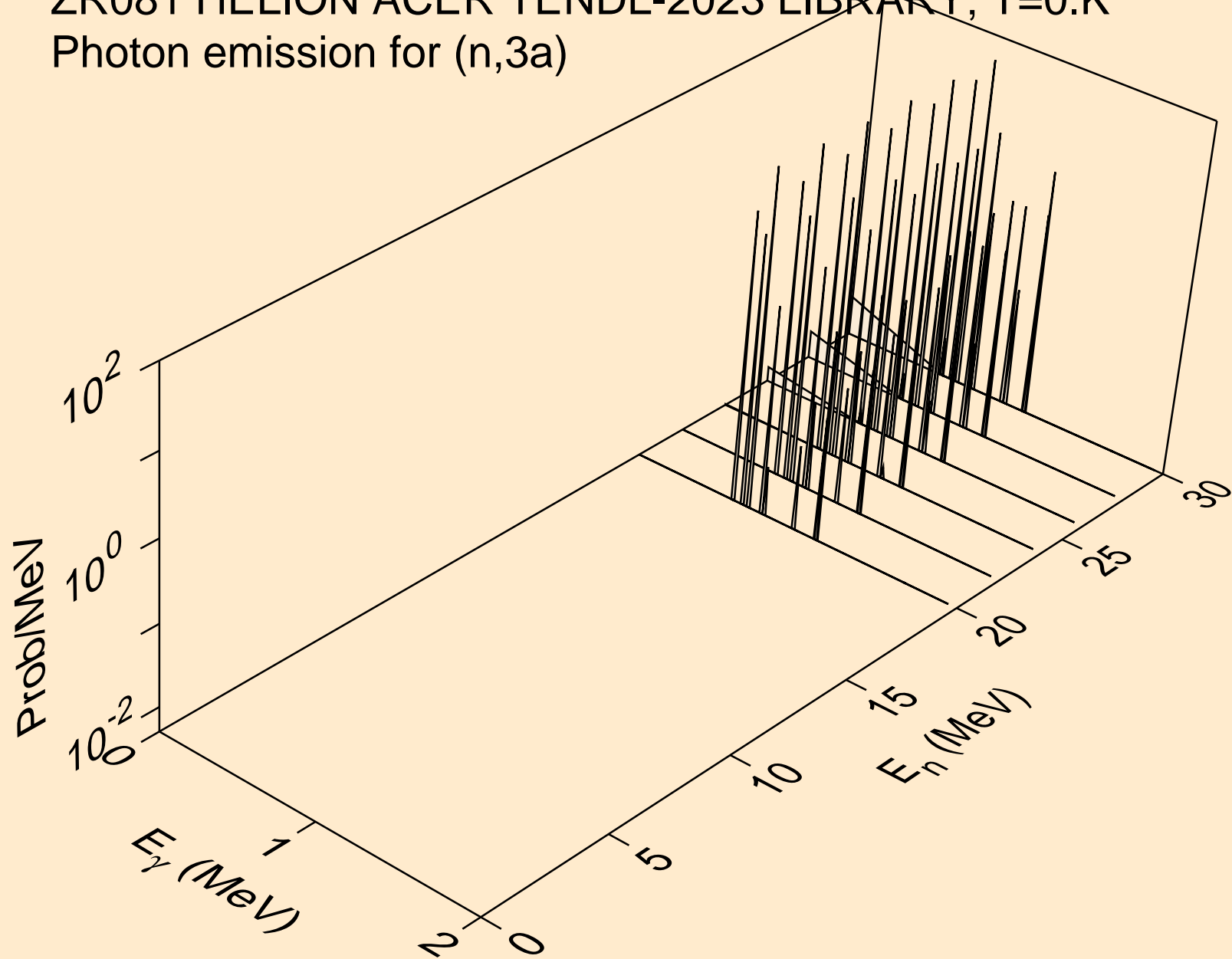


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Photon emission for (n,2a)

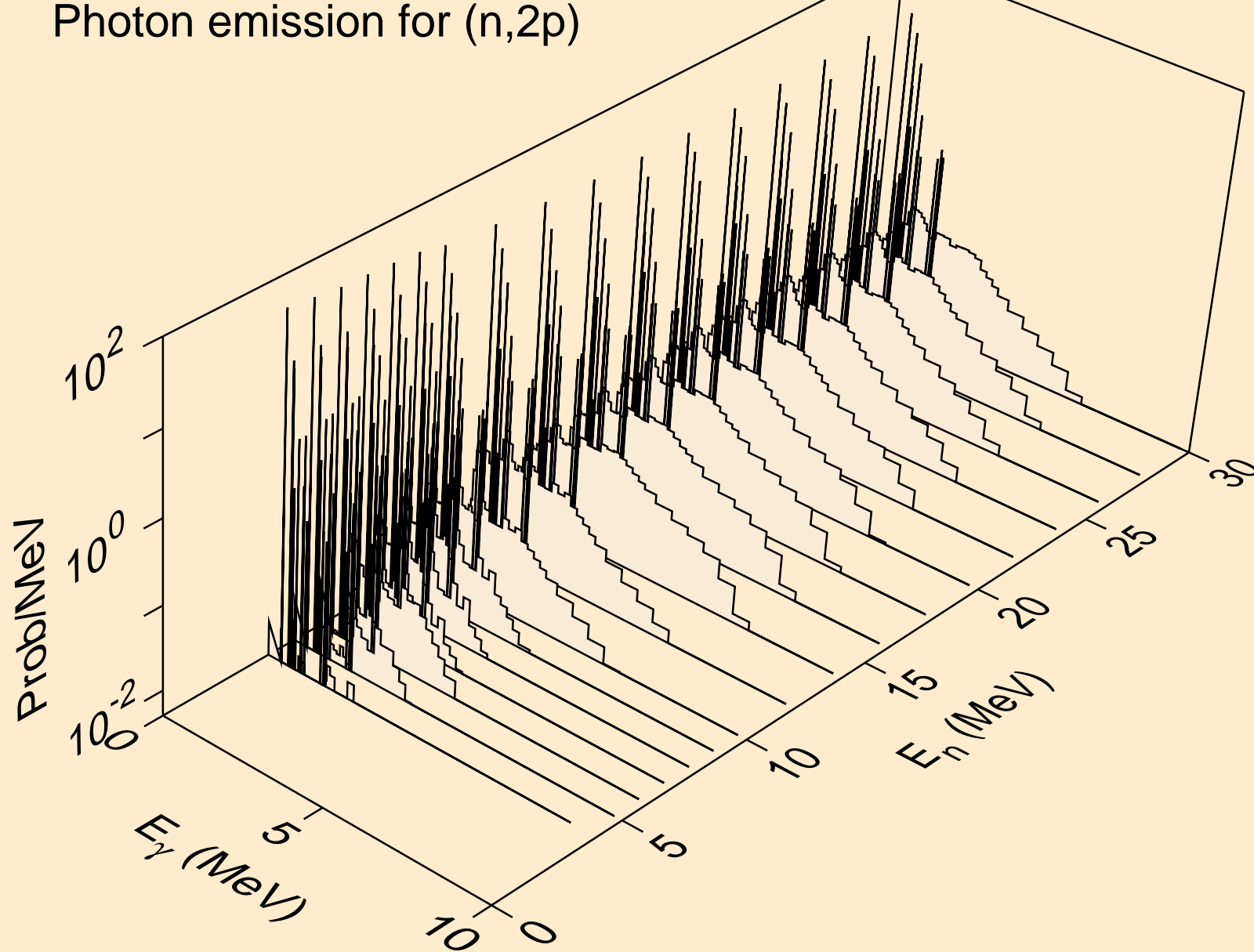




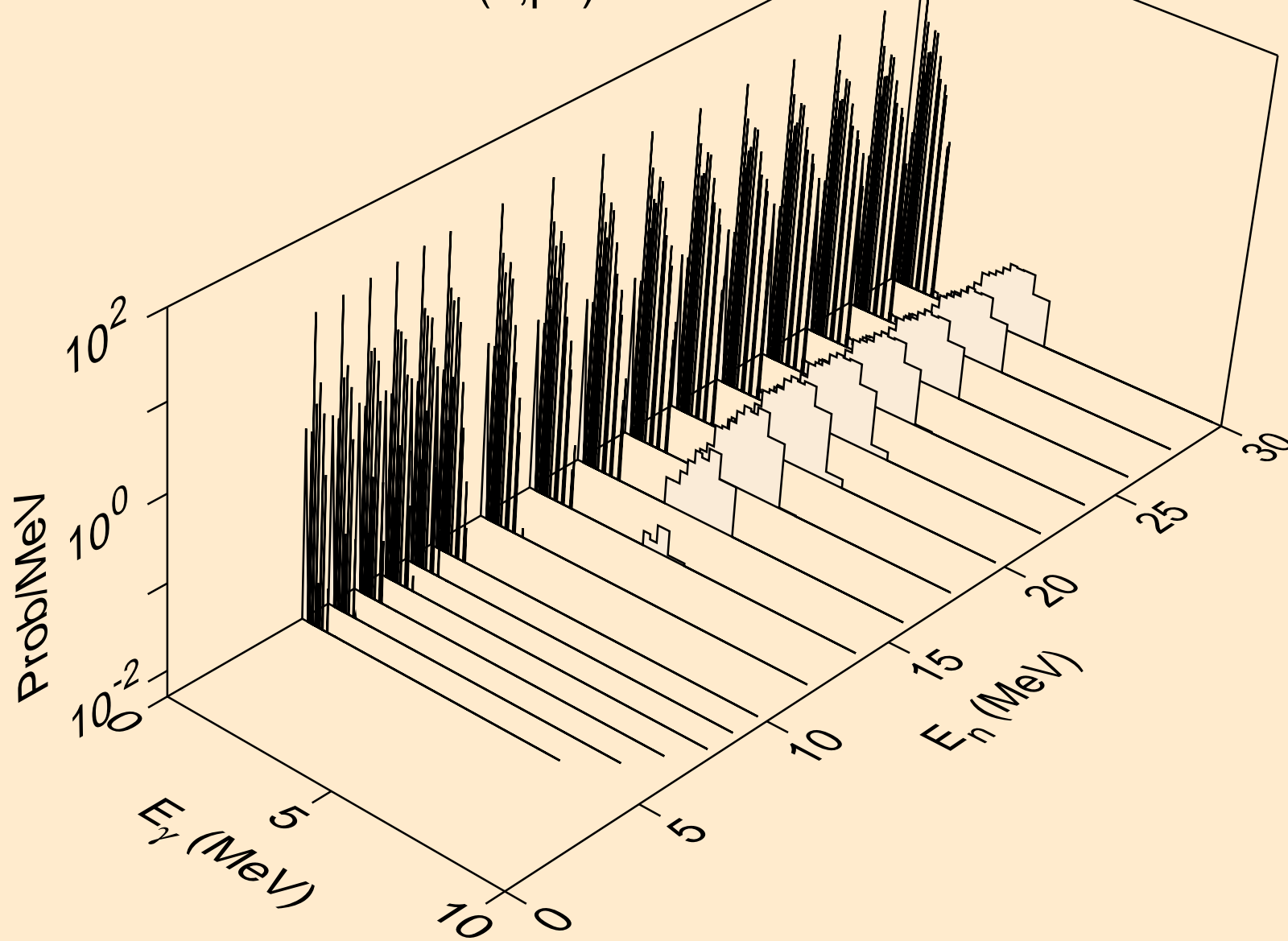
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Photon emission for (n,3a)



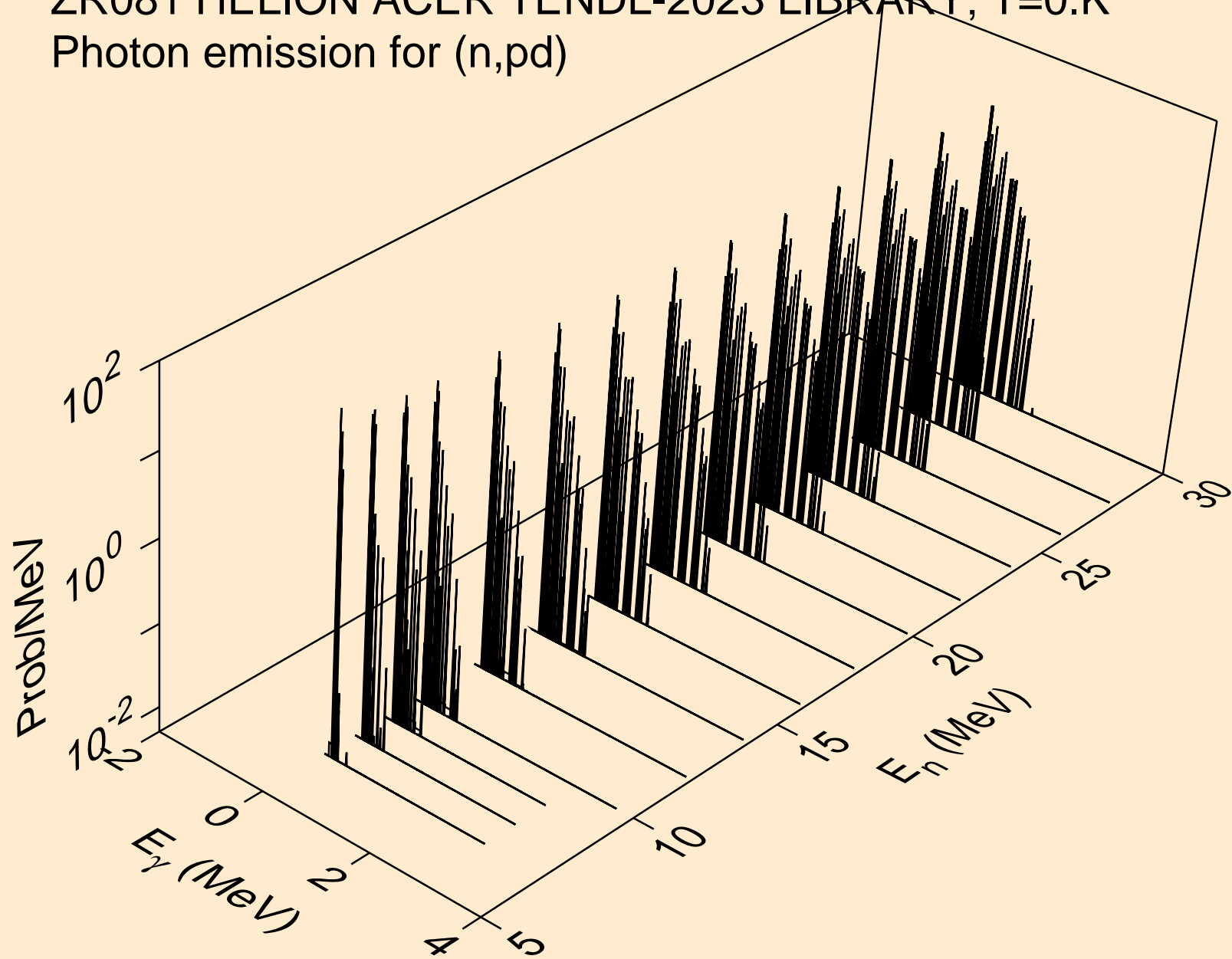
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Photon emission for (n,2p)



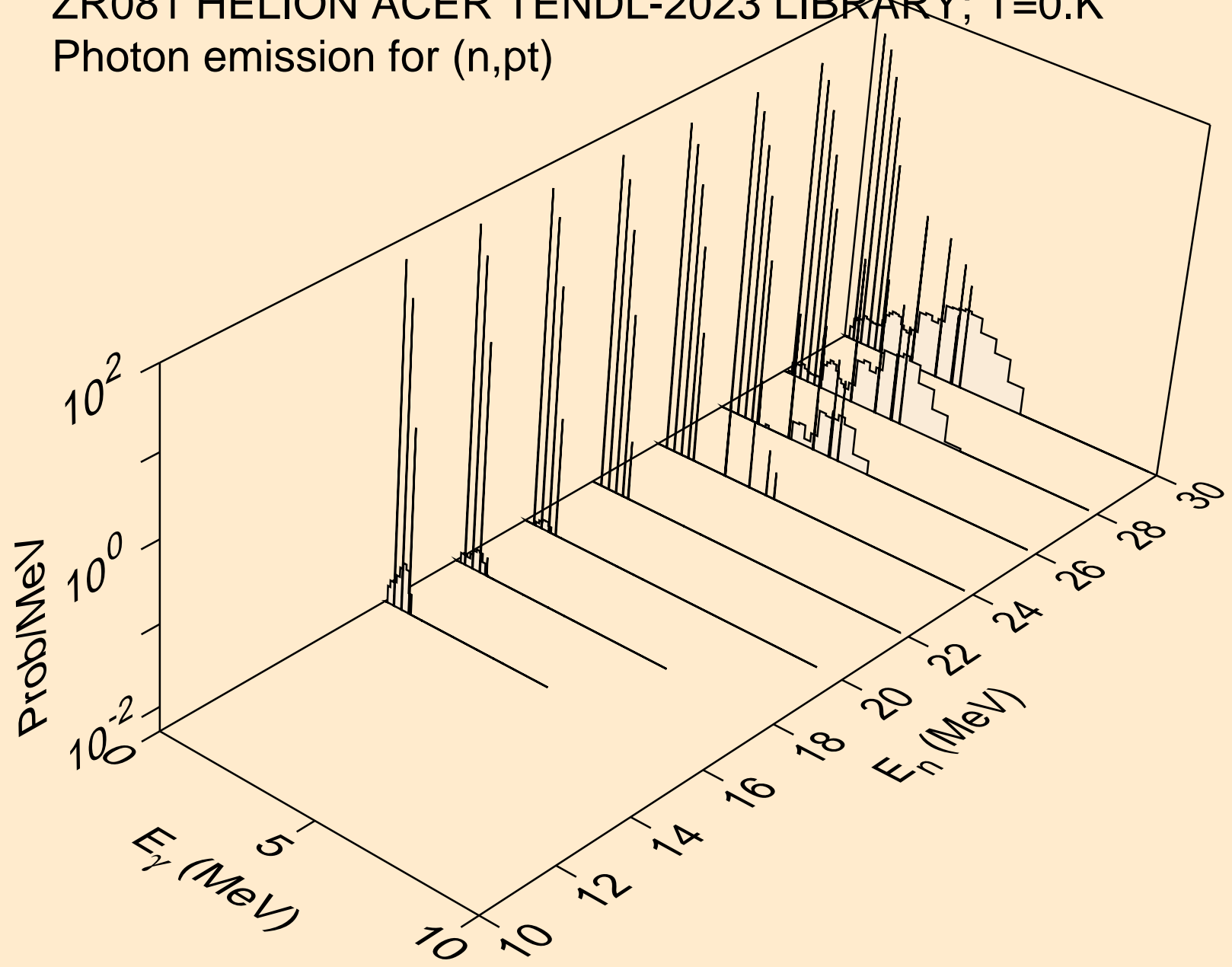
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Photon emission for (n,pa)



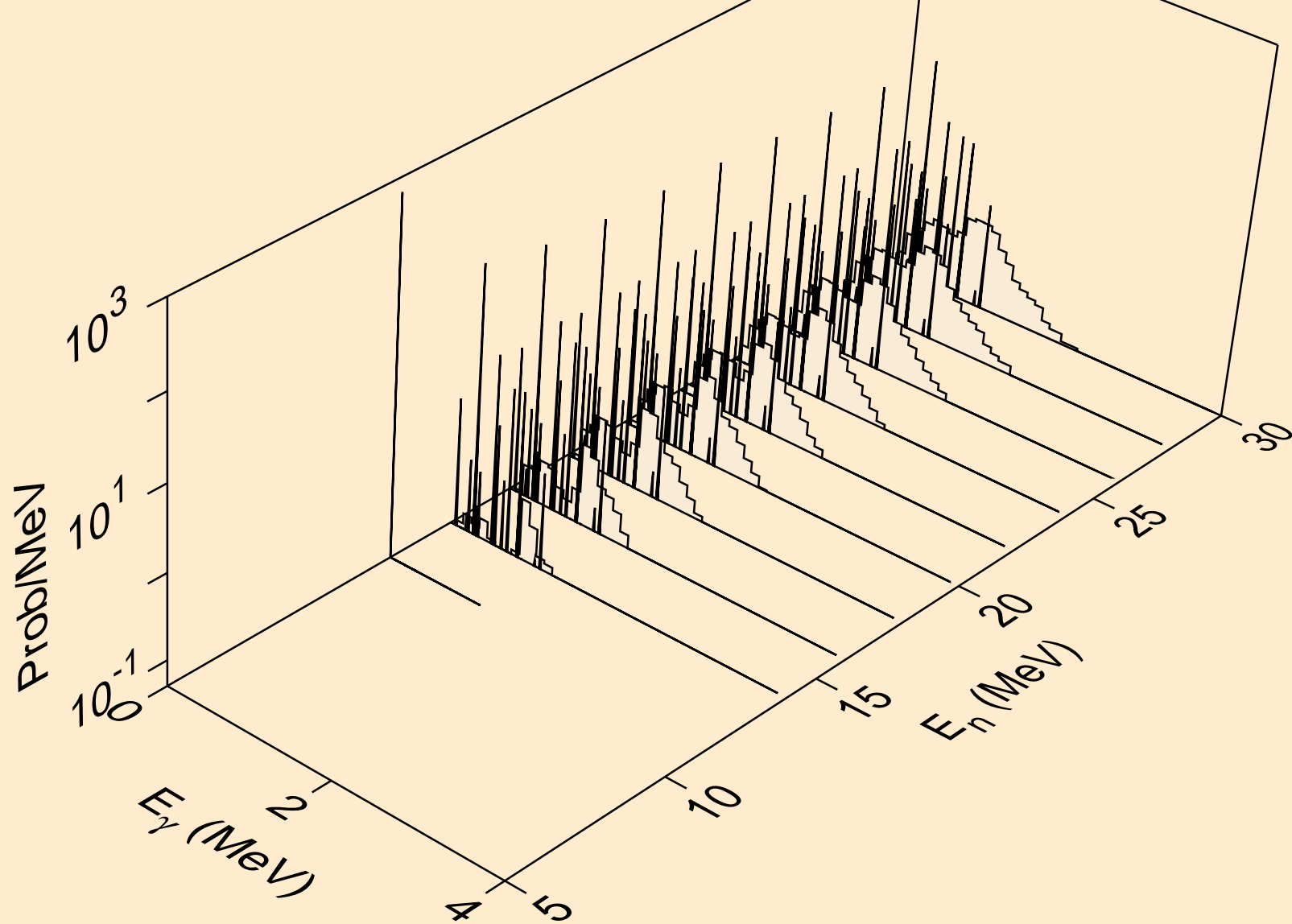
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Photon emission for (n,pd)



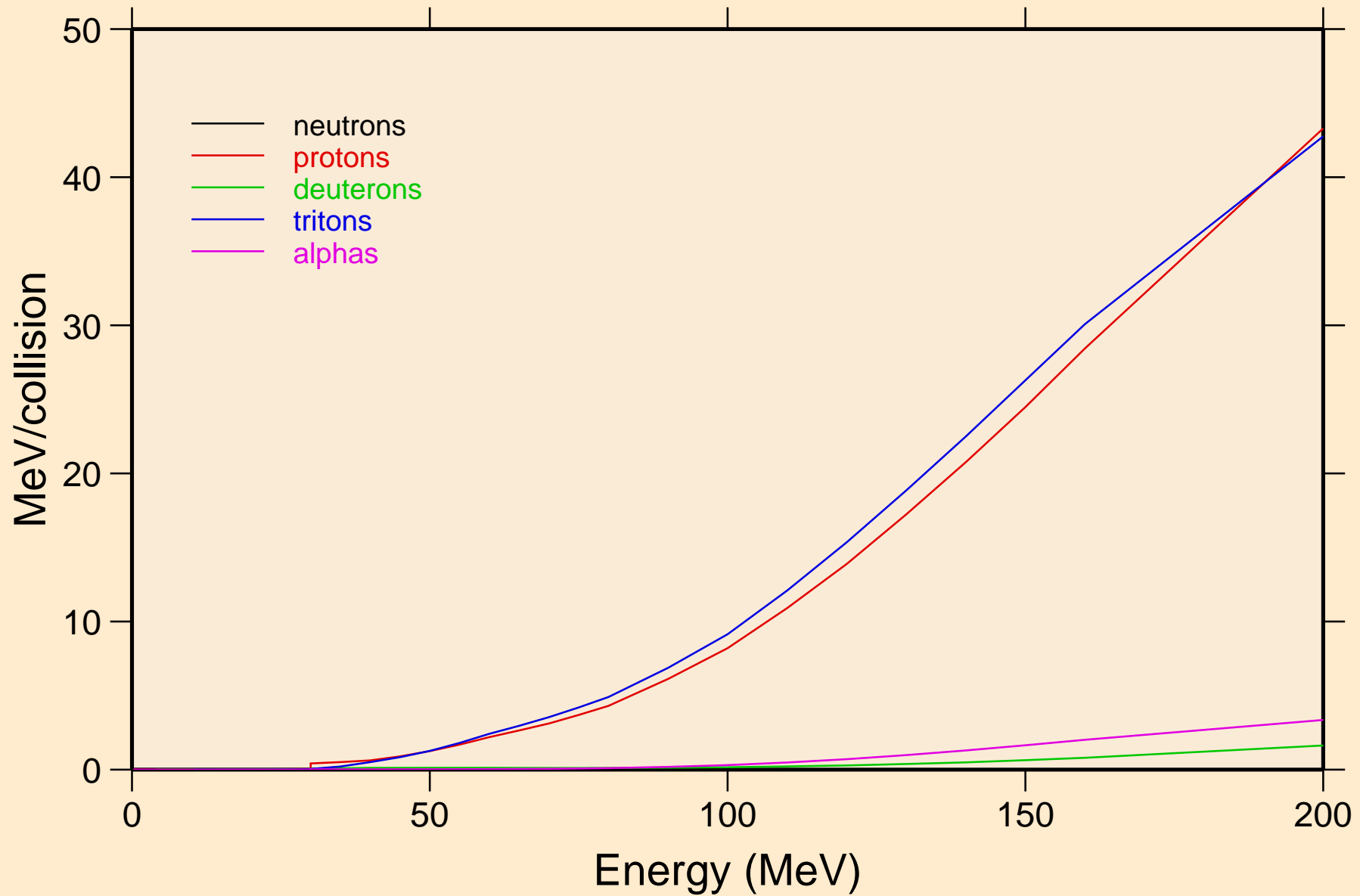
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Photon emission for (n,pt)



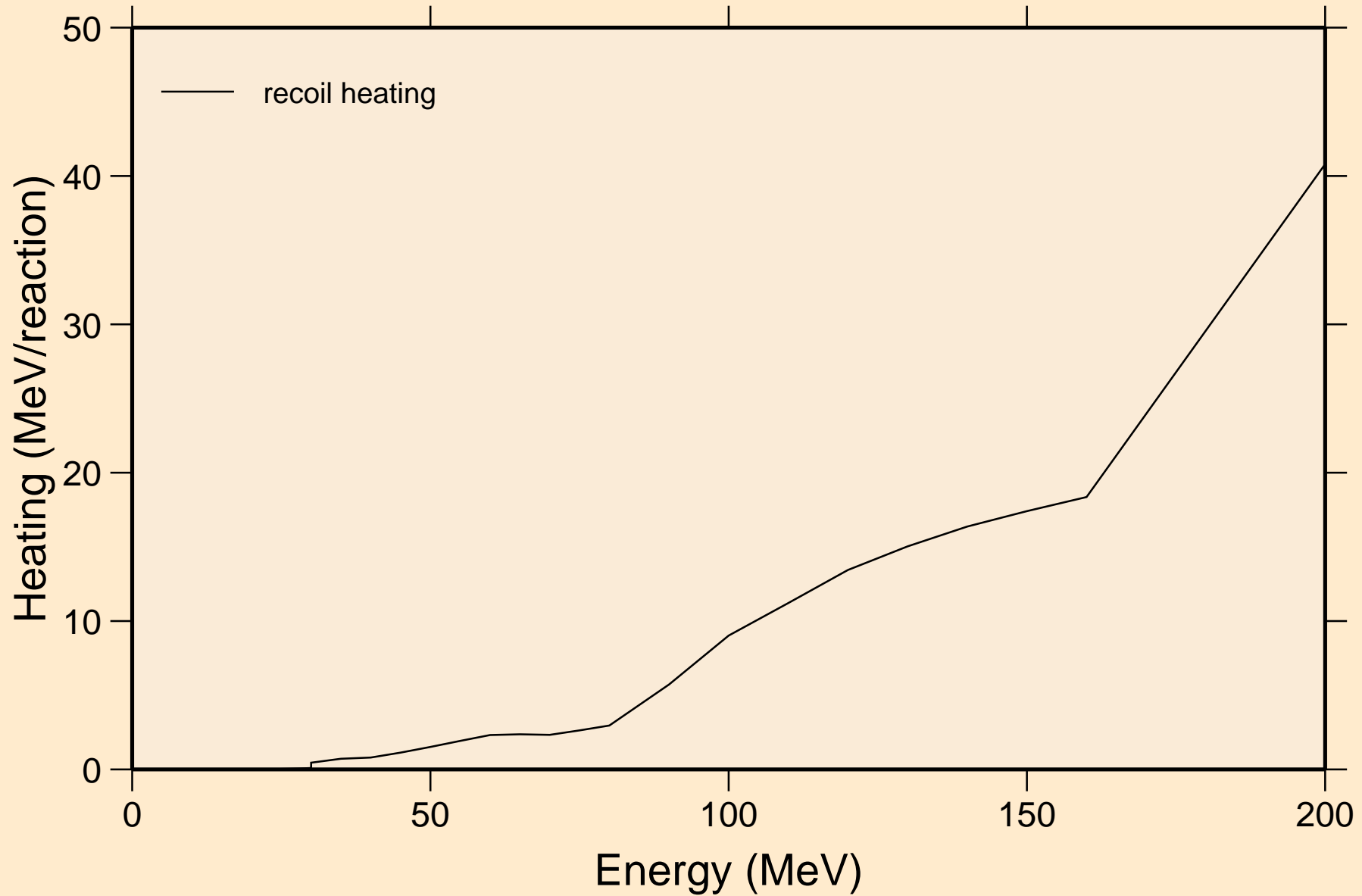
ZR081 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



ZR081 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions

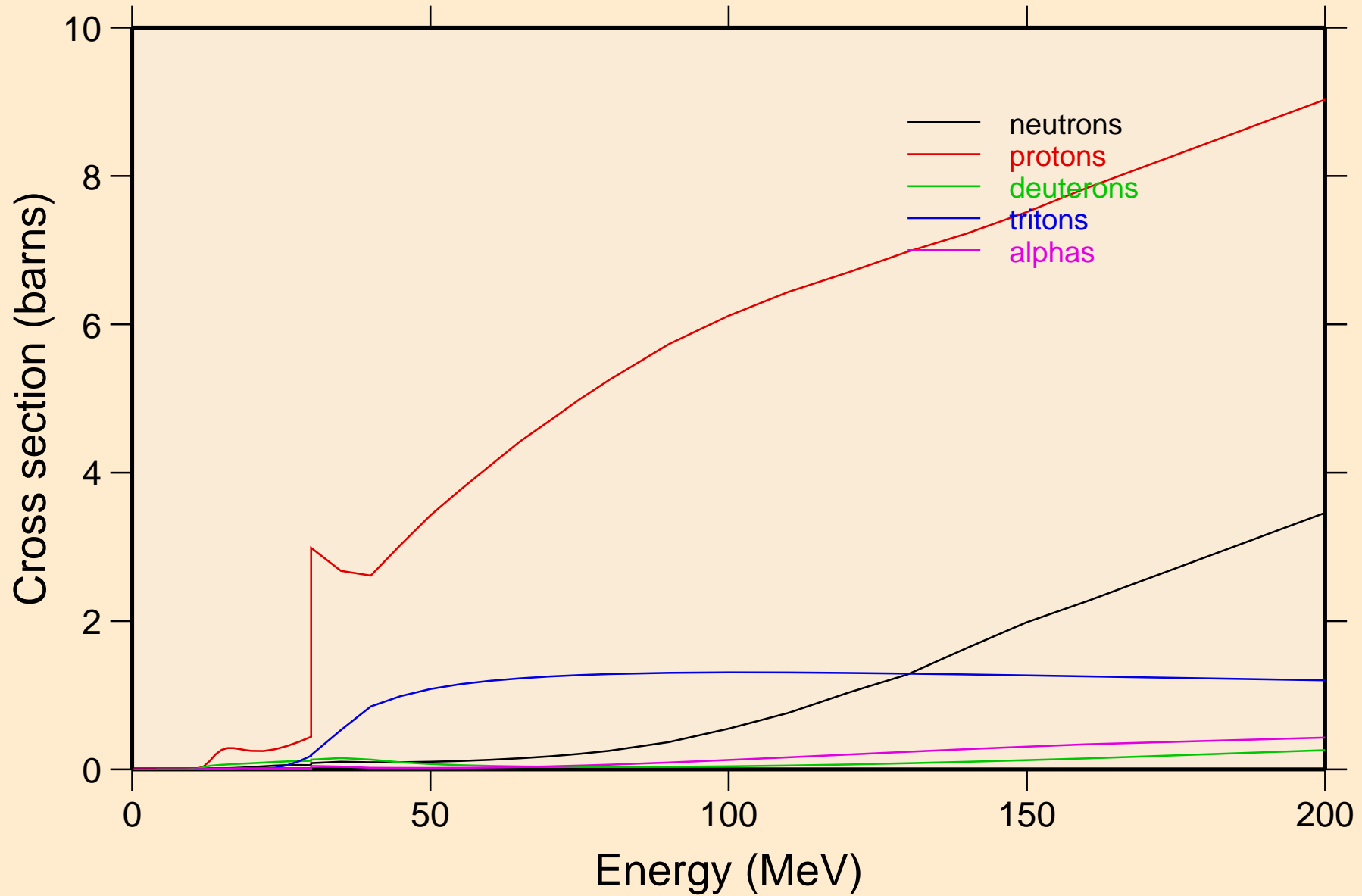


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Recoil Heating

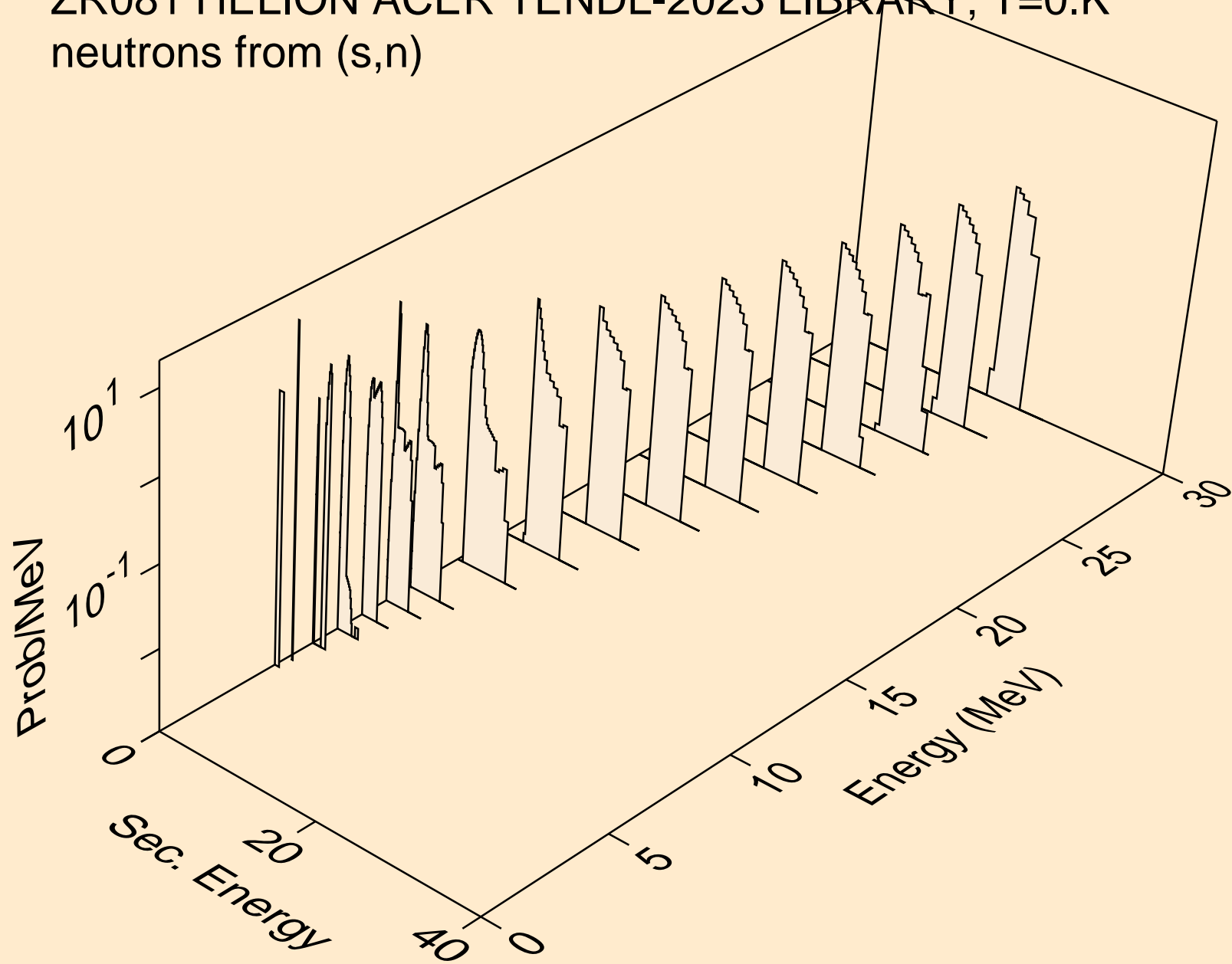




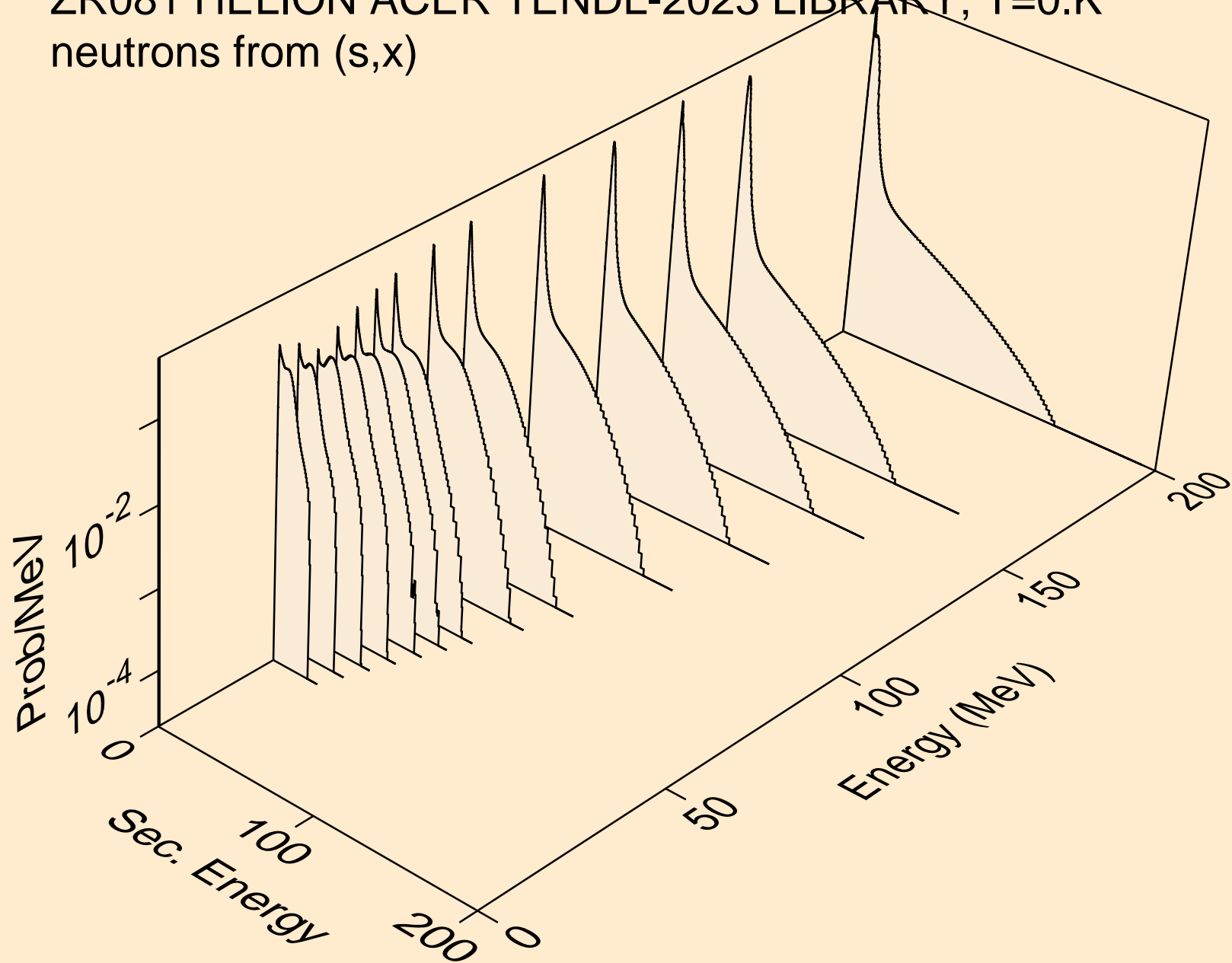
ZR081 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



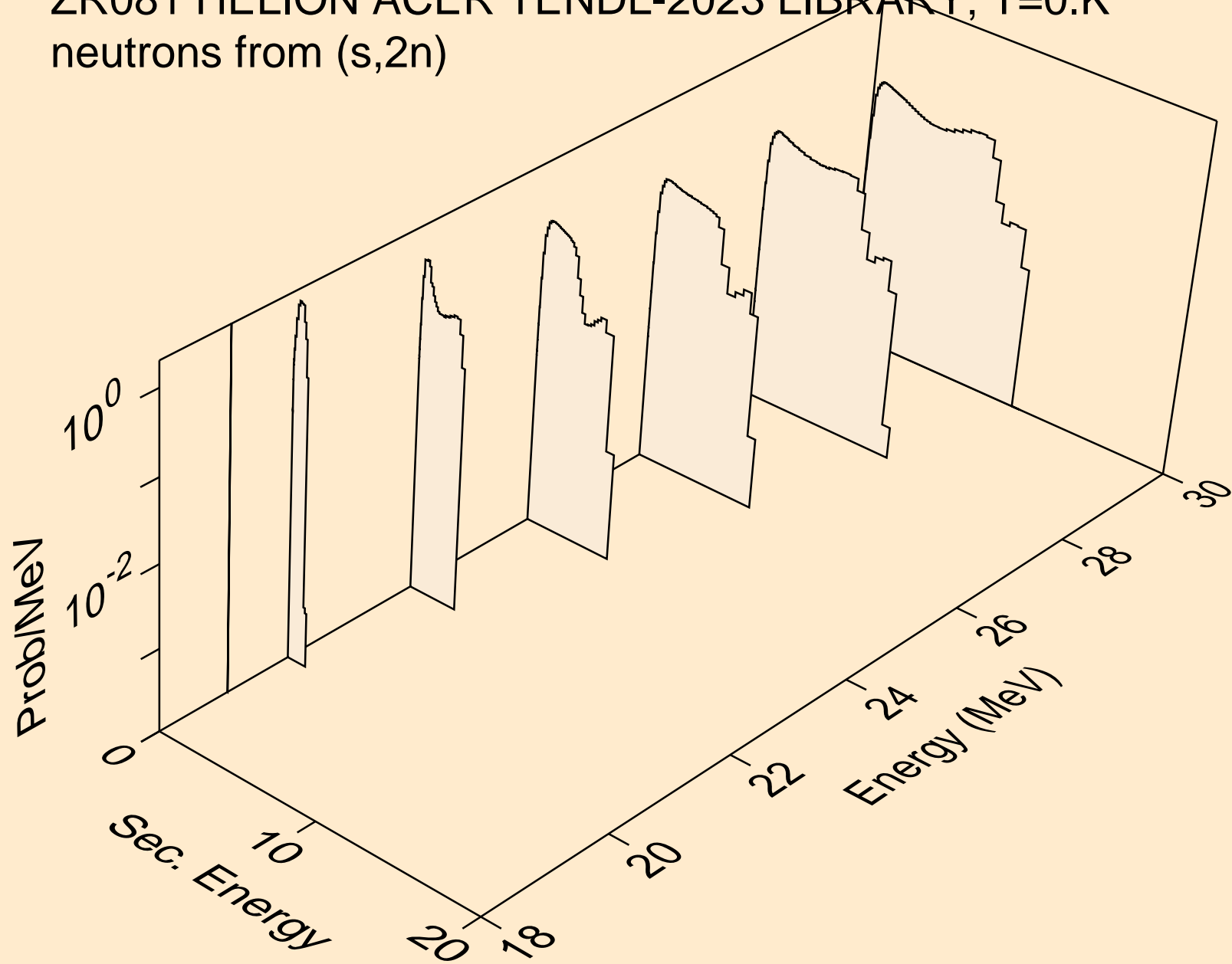
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neutrons from (s,n)



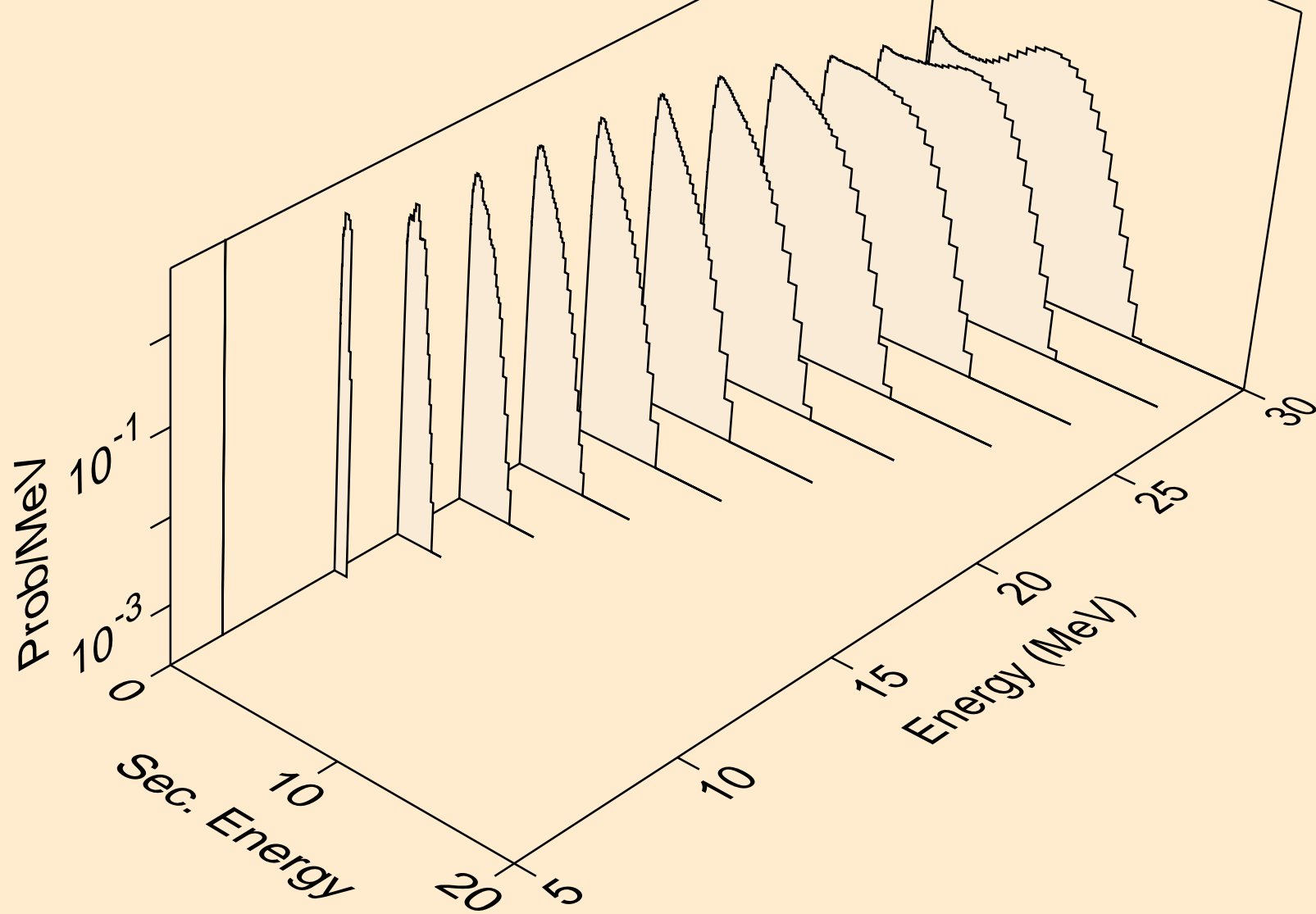
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neutrons from (s,x)



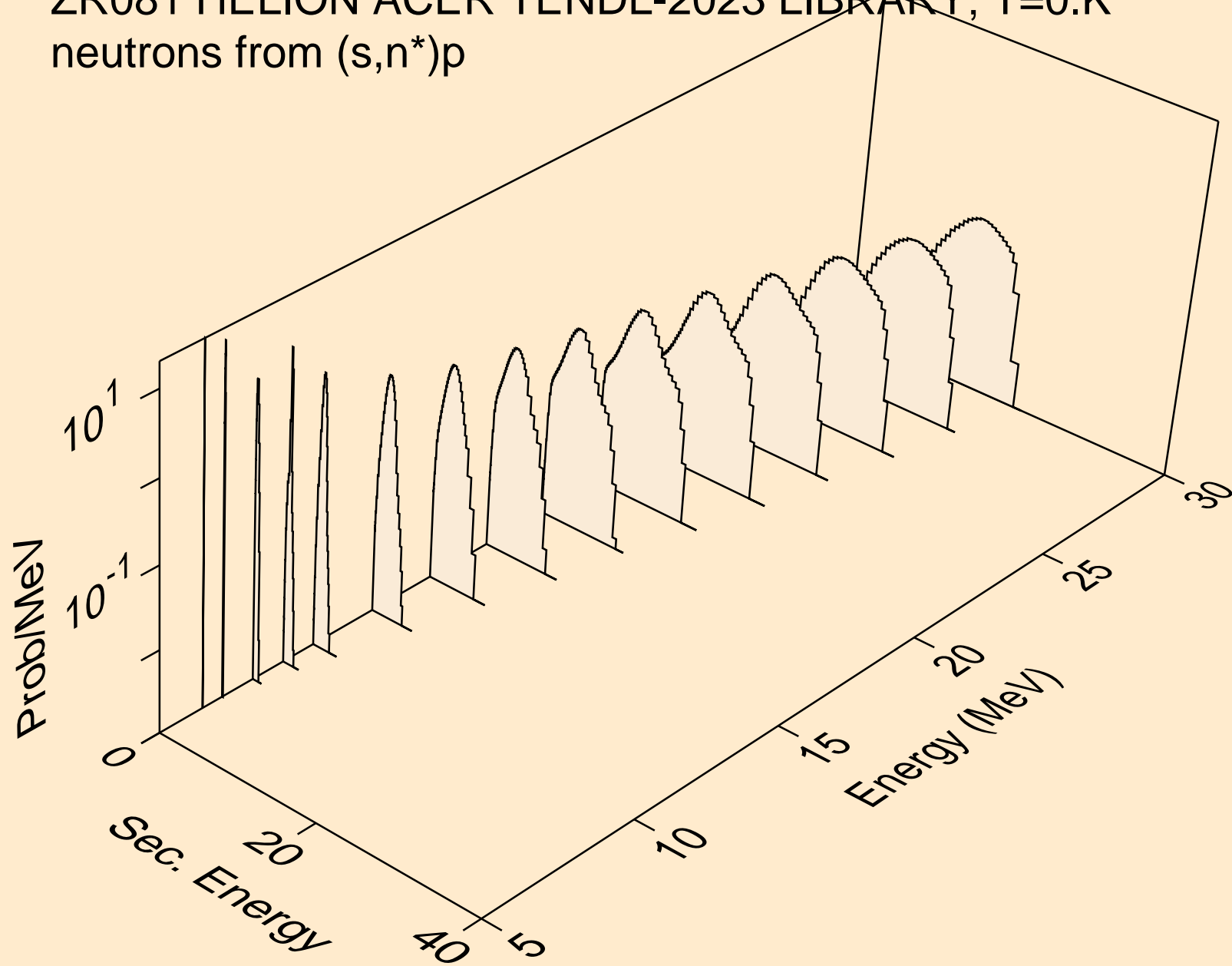
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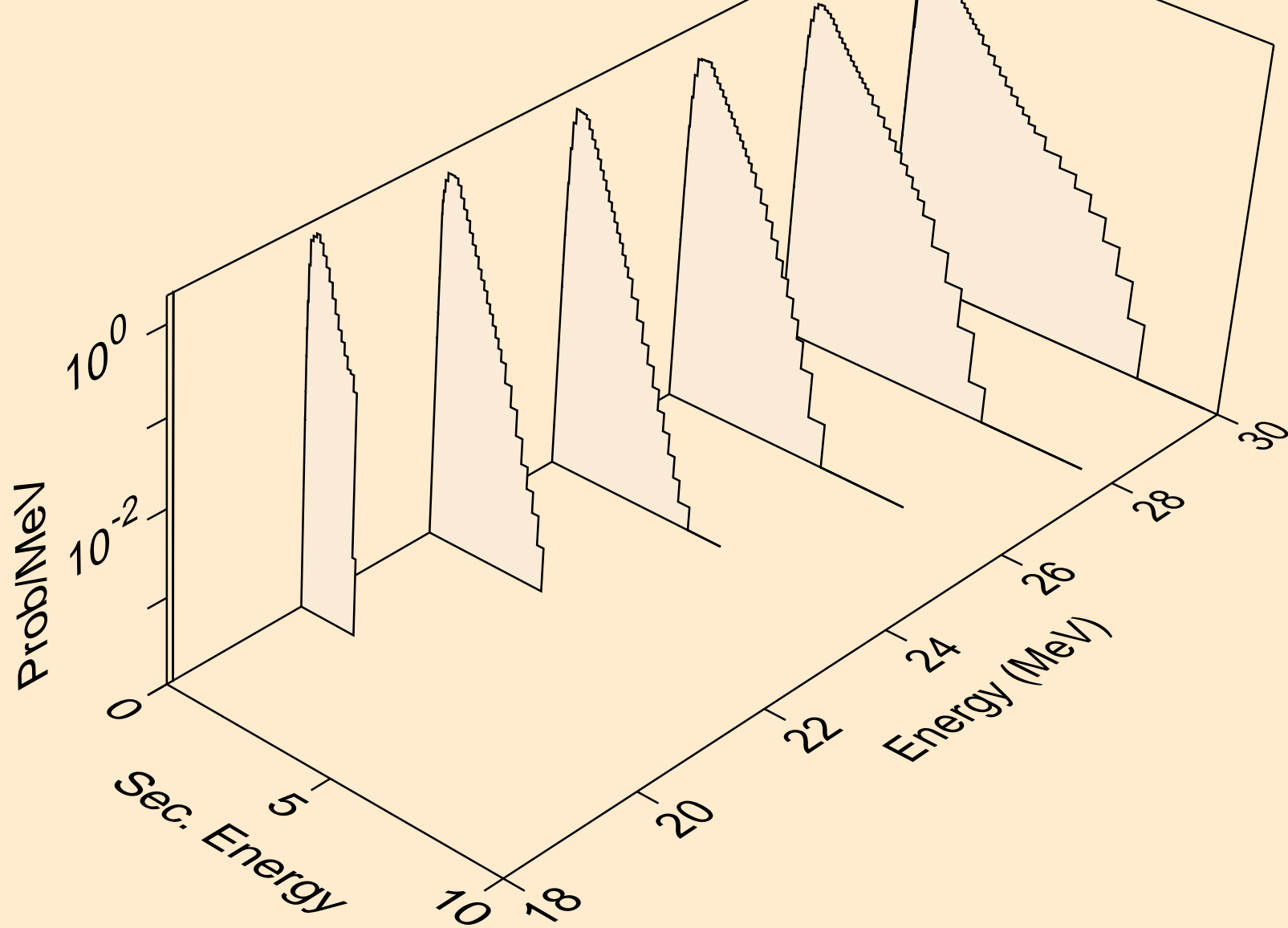
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neutrons from (s,n\*)a



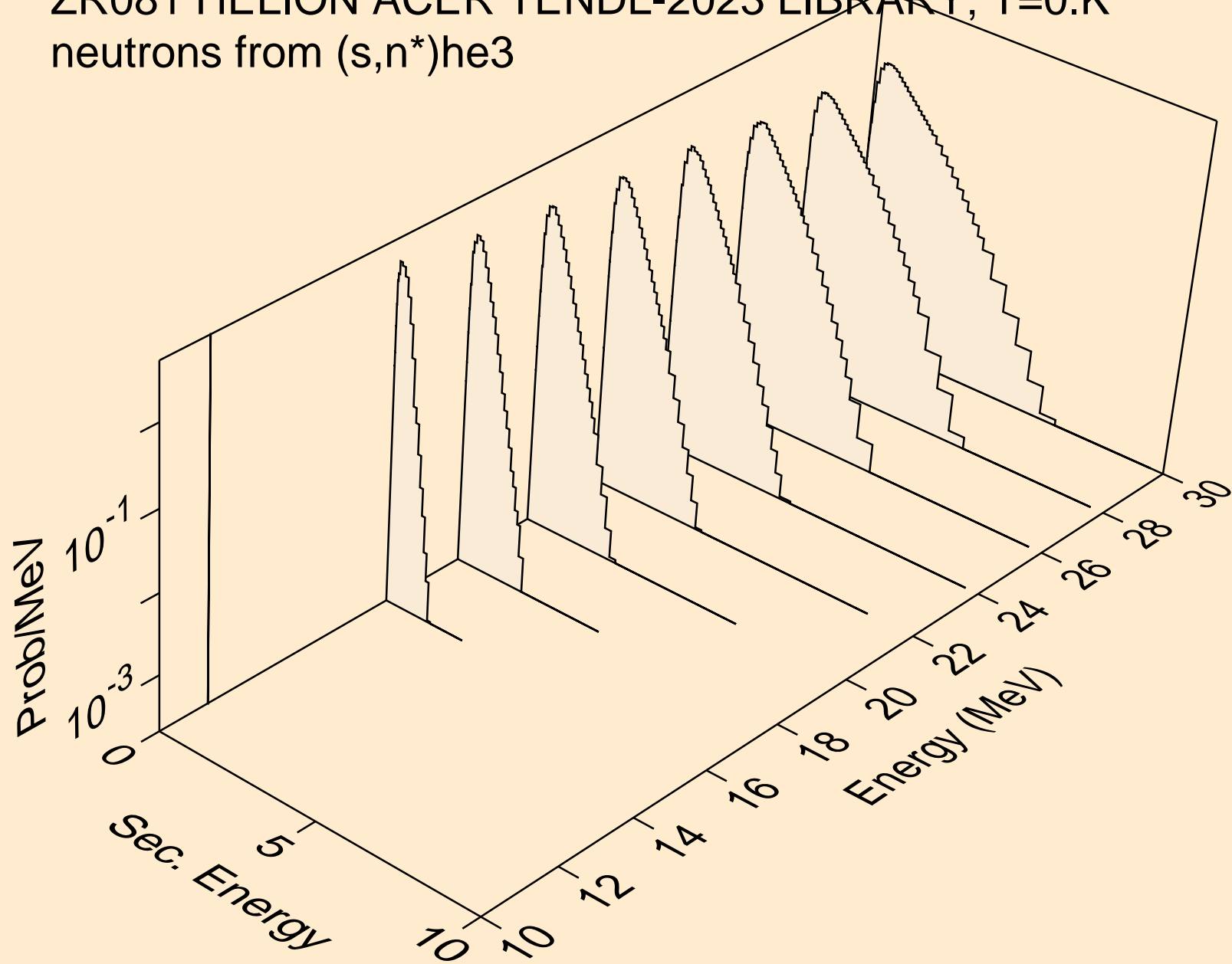
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neutrons from (s,n\*)p



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neutrons from (s,n\*)d

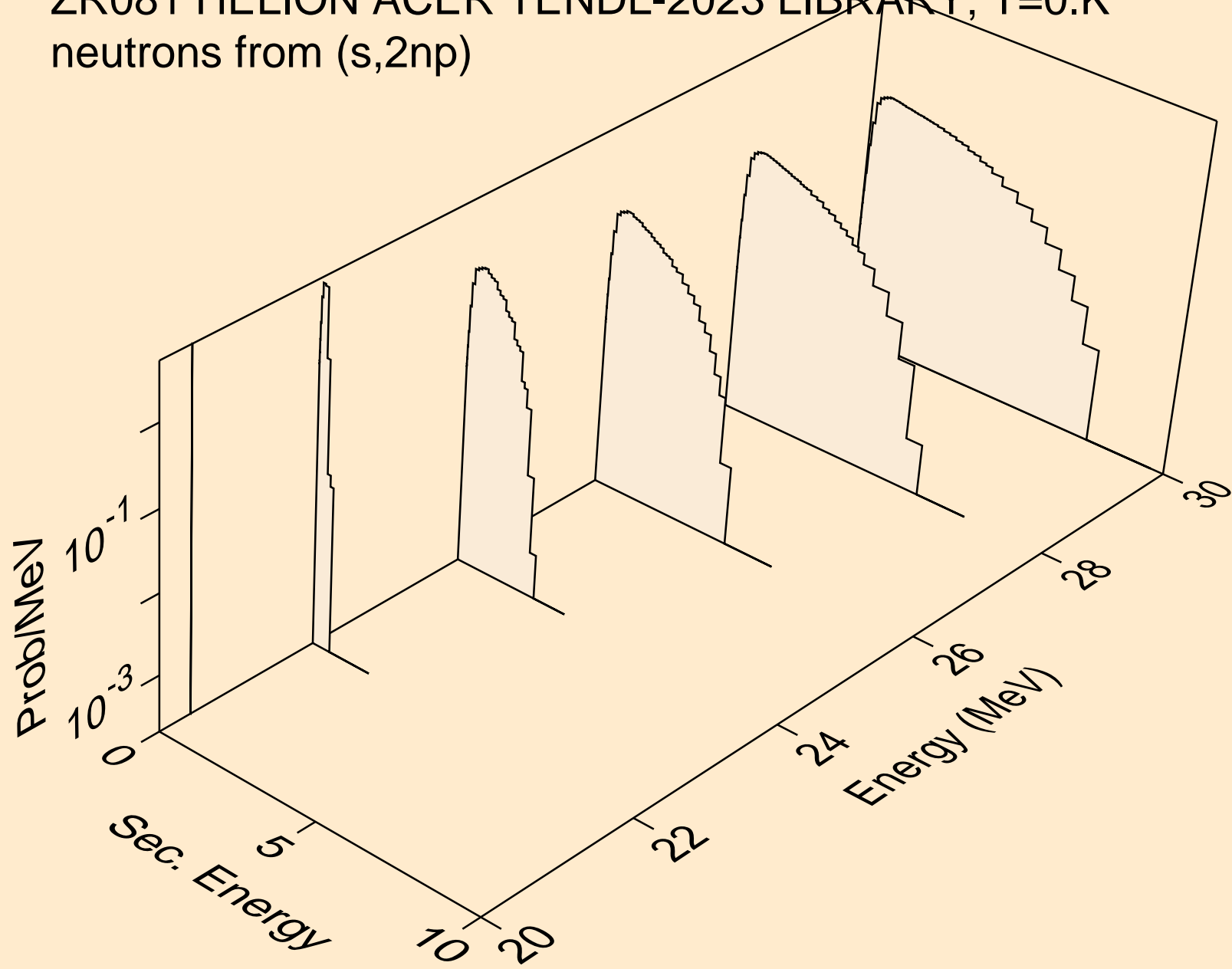


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neutrons from (s,n\*)he3

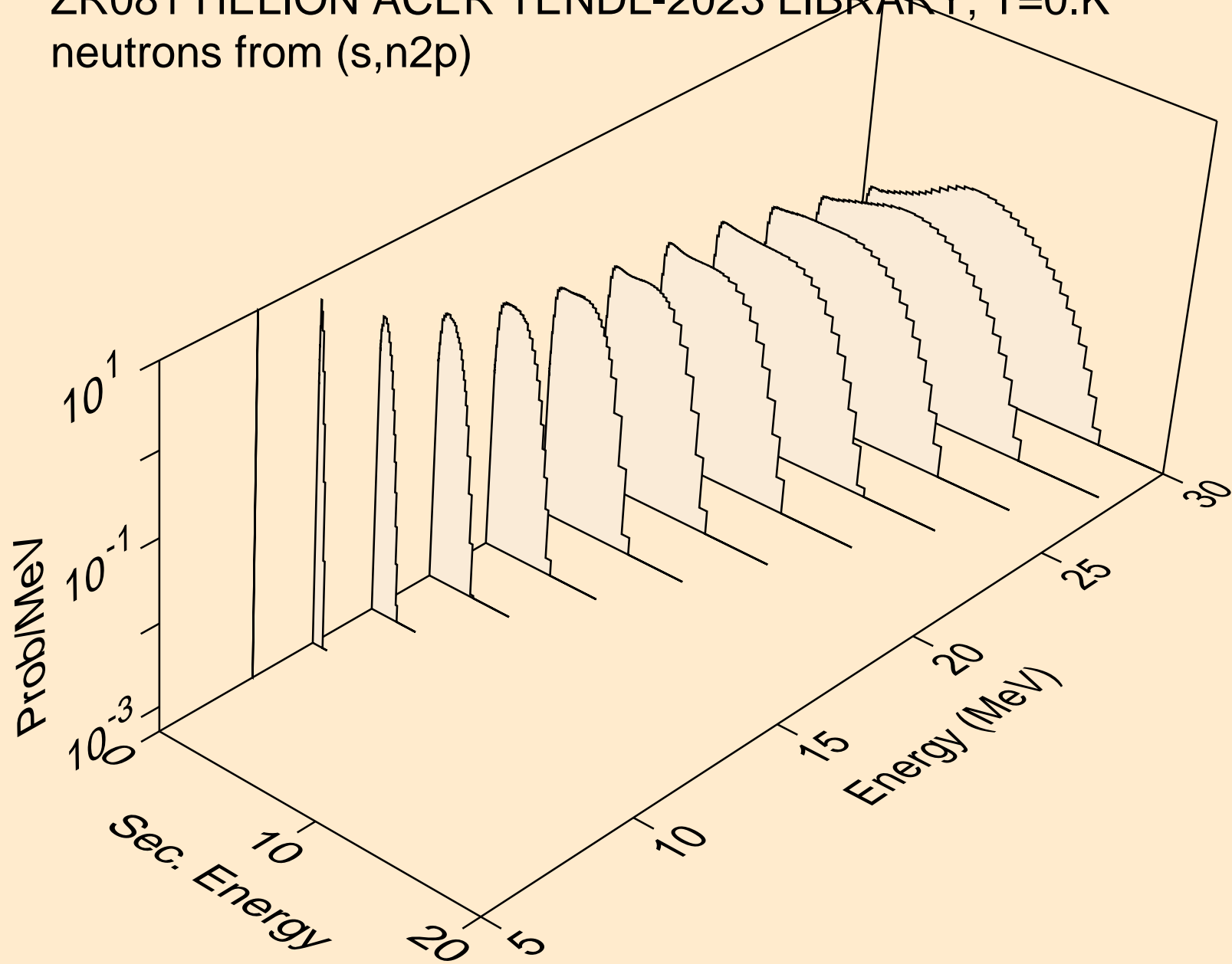




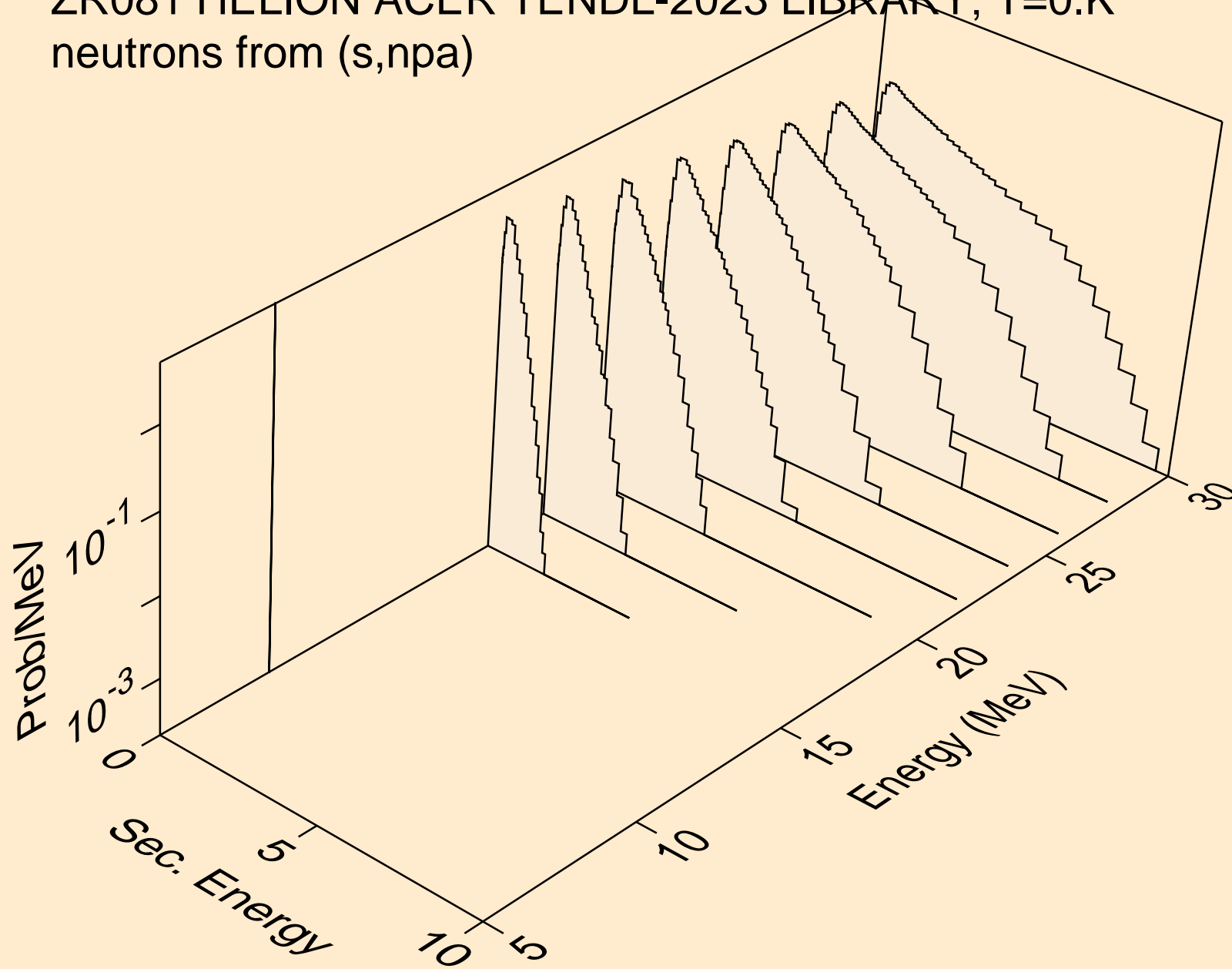
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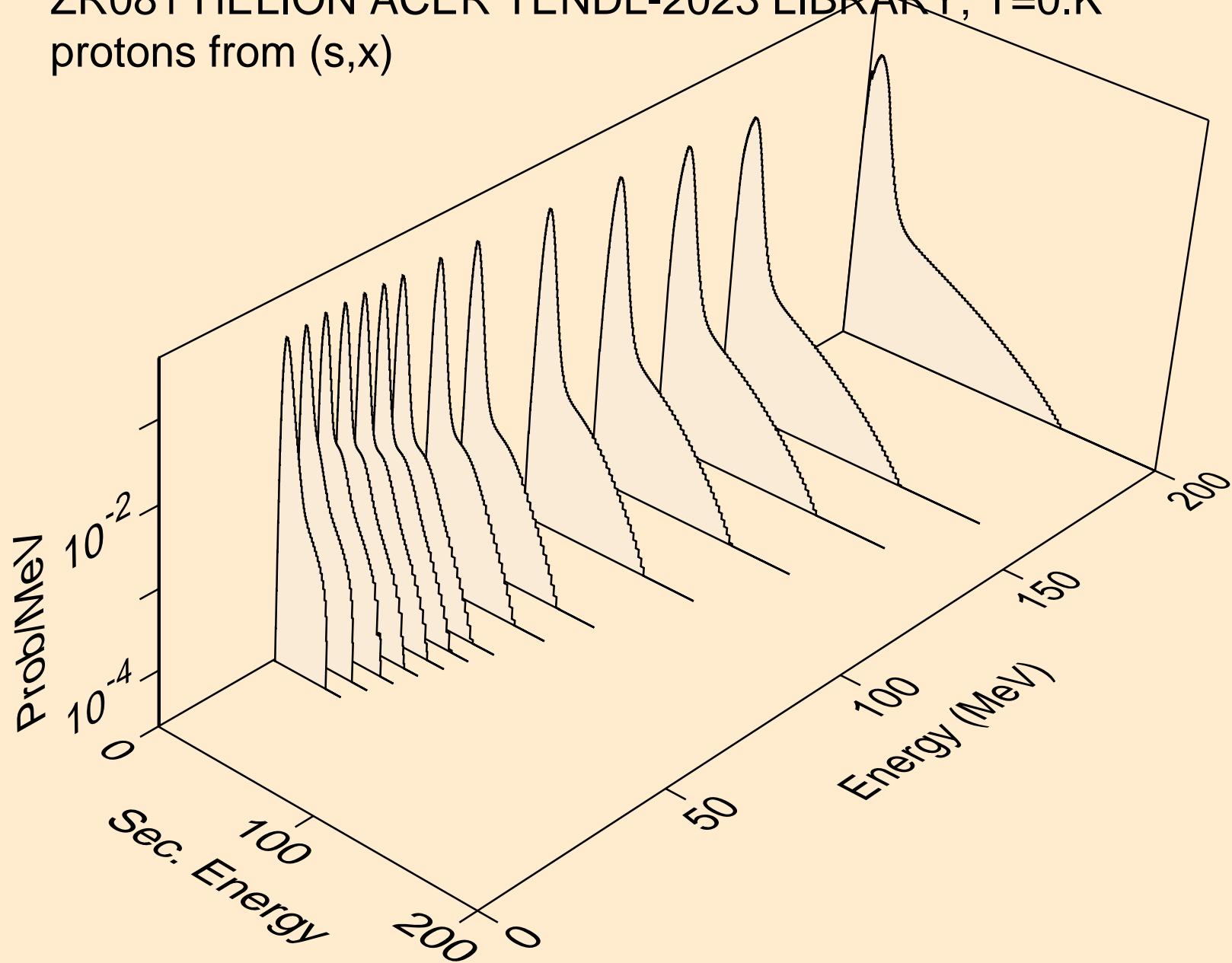
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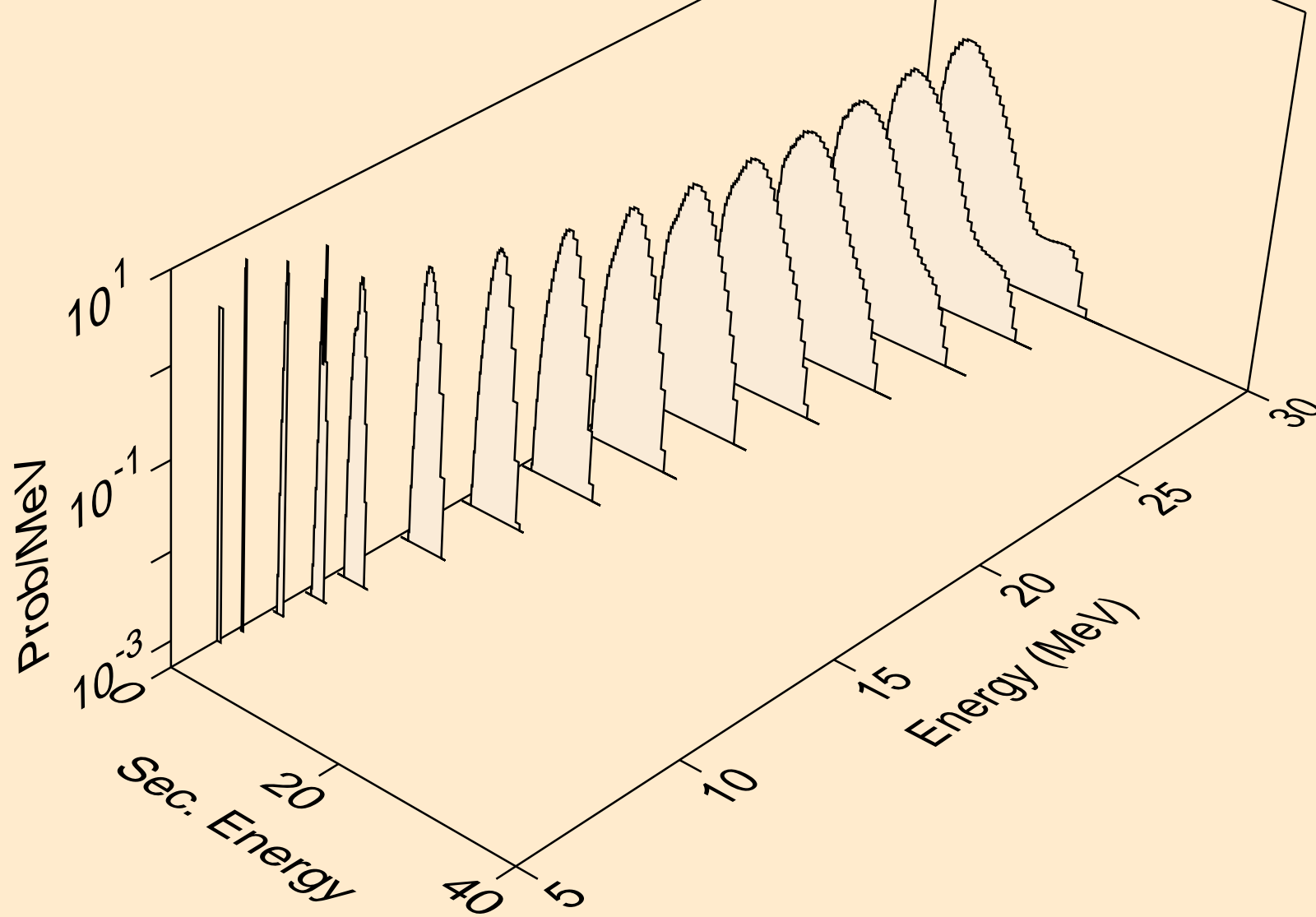
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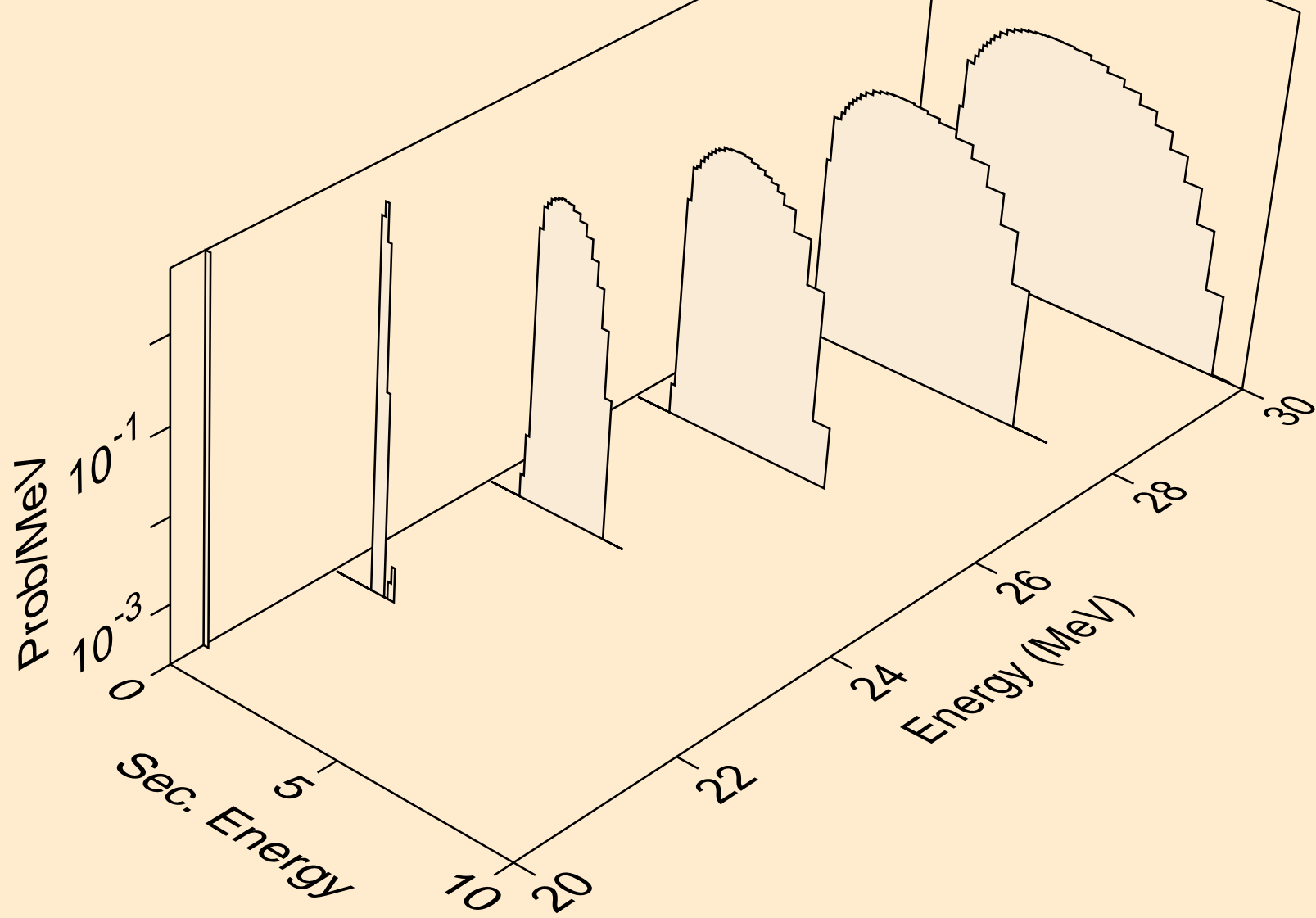
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protons from (s,x)



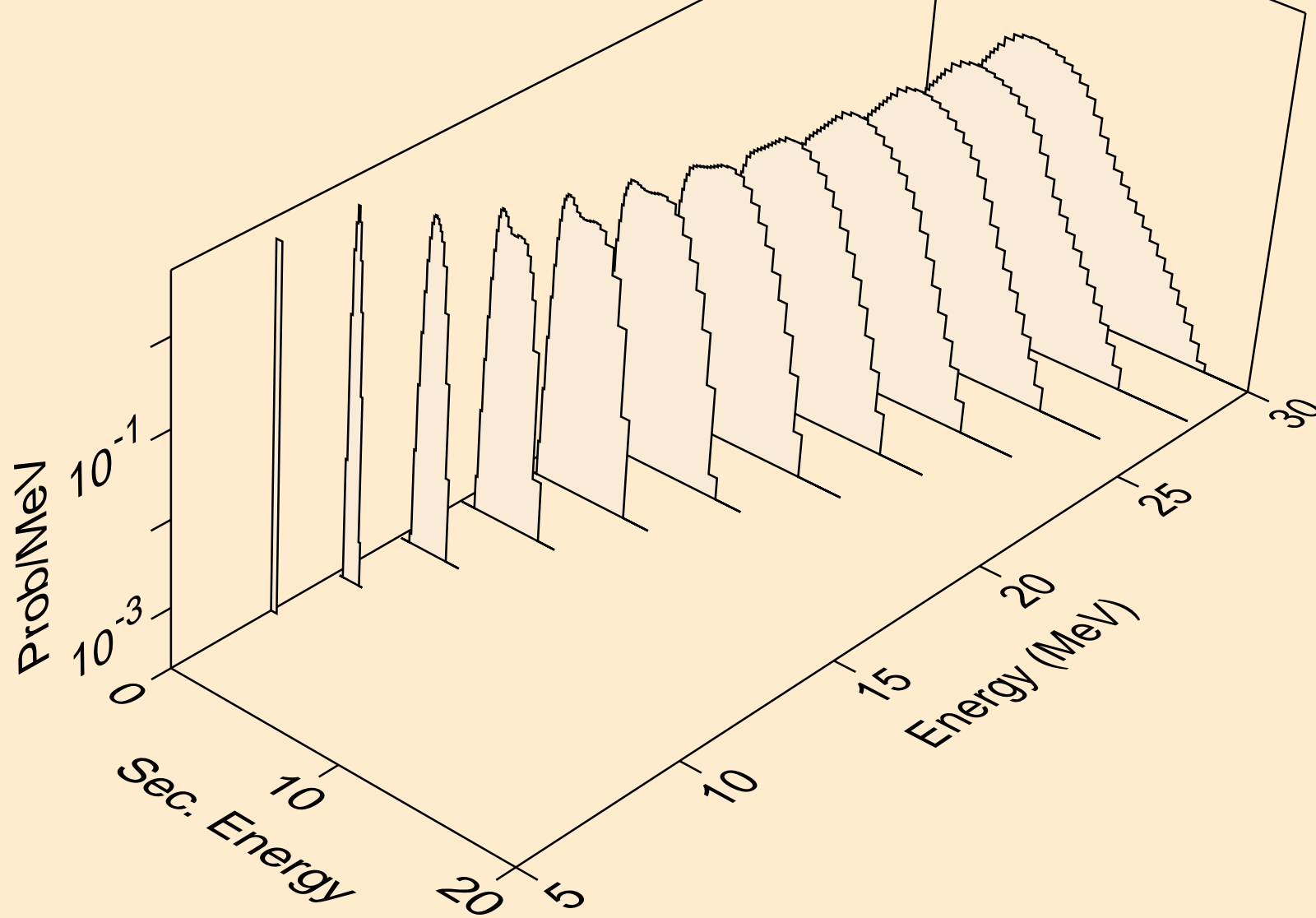
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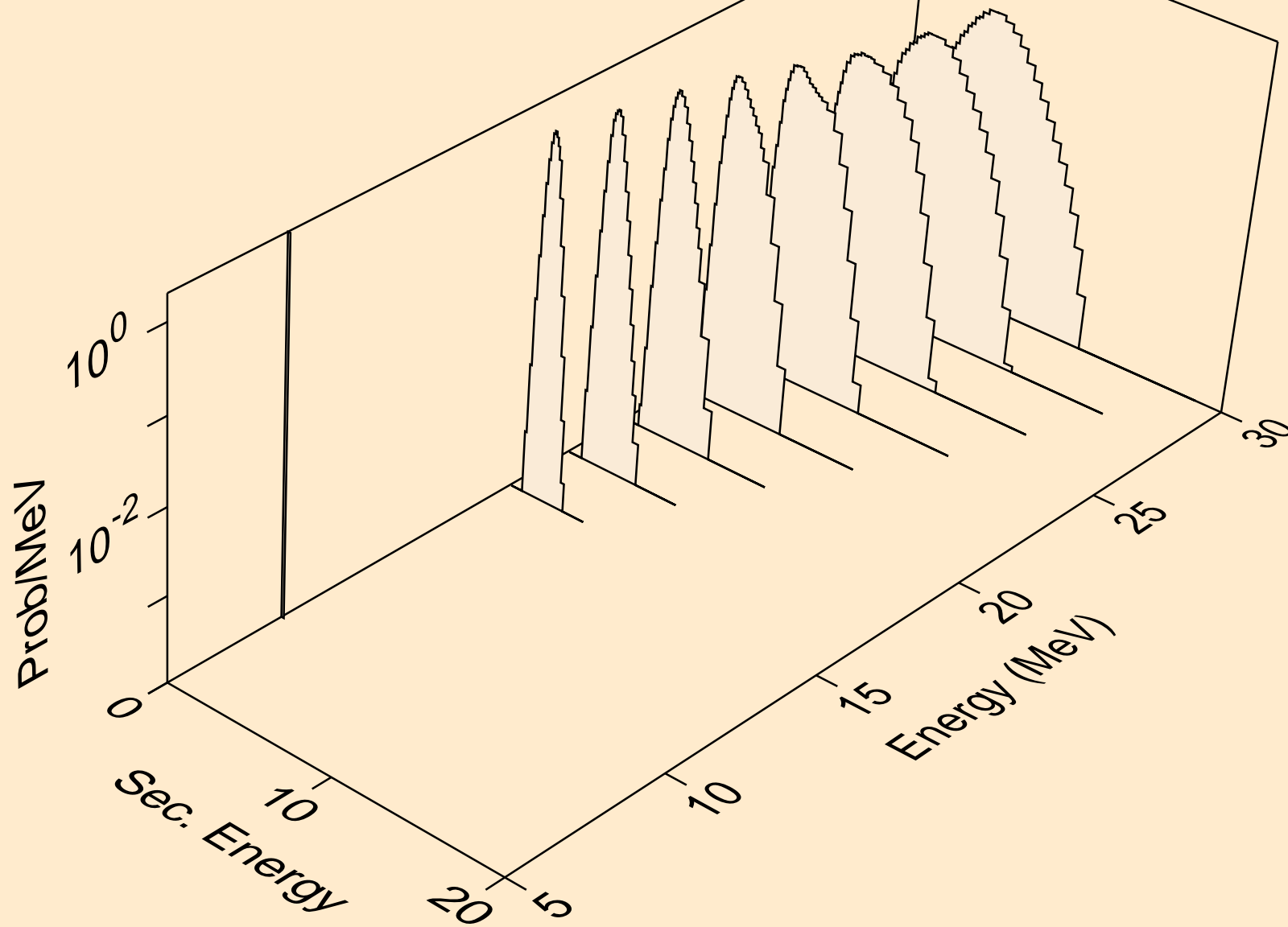
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protons from (s,2np)



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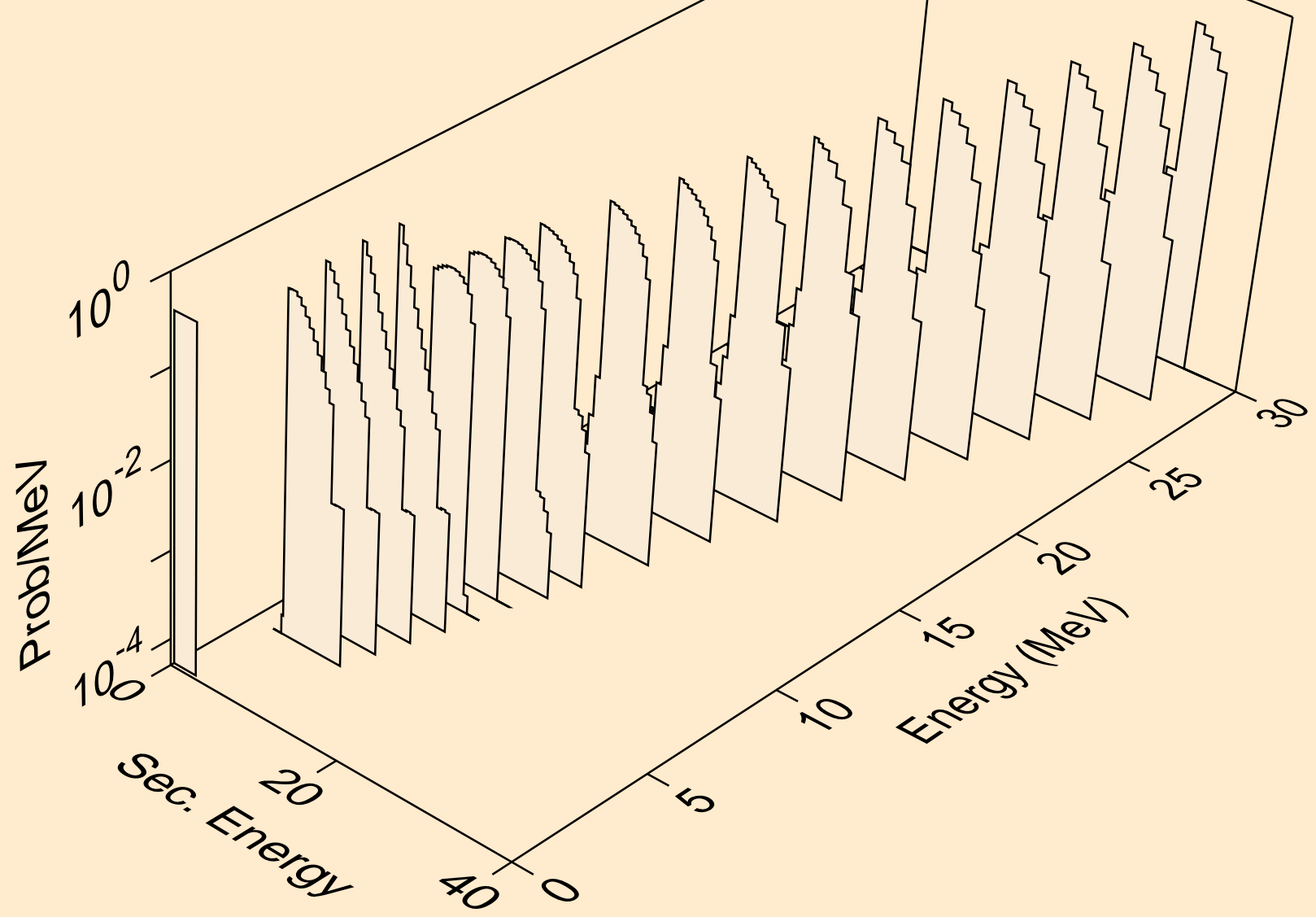


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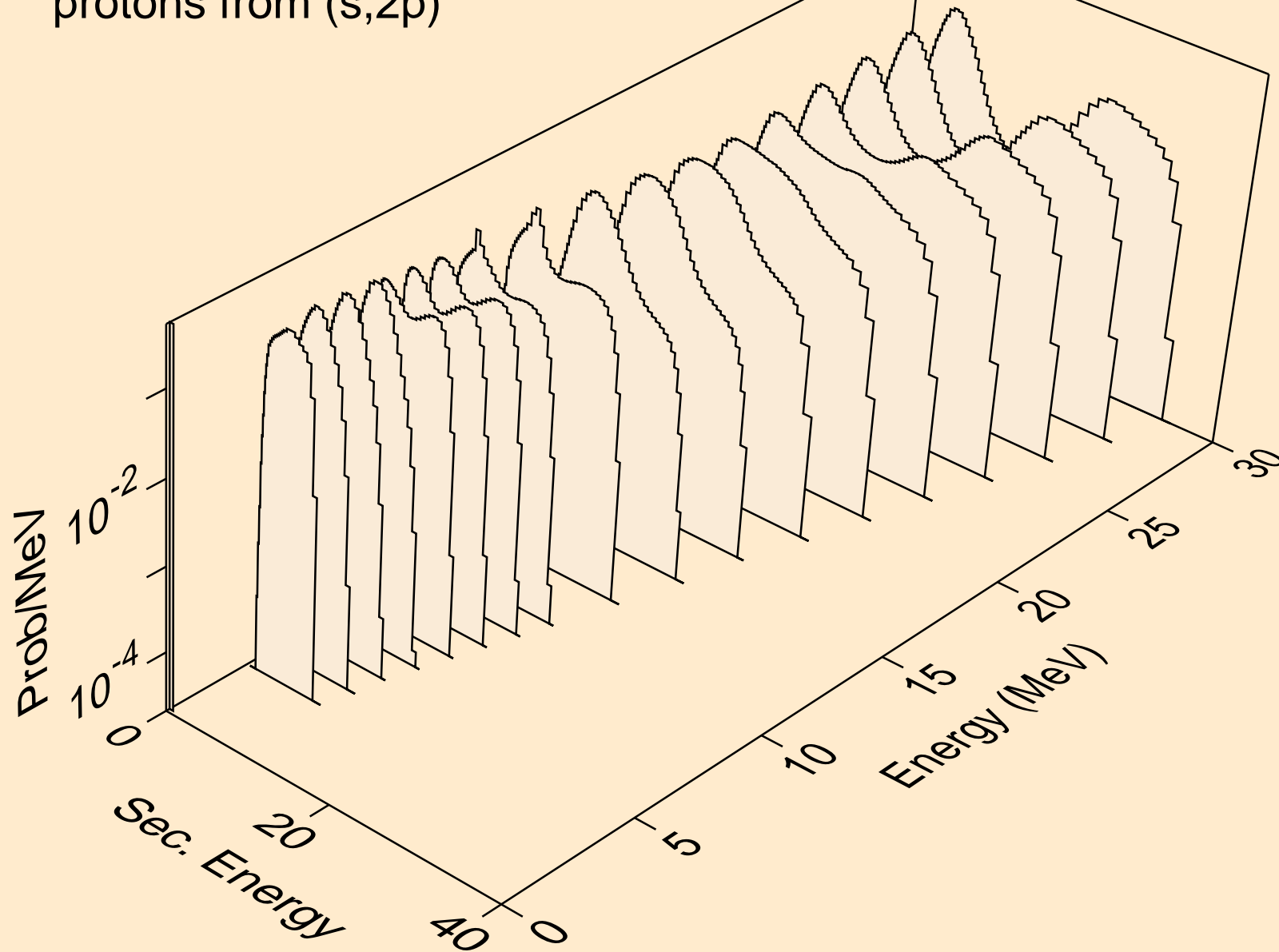




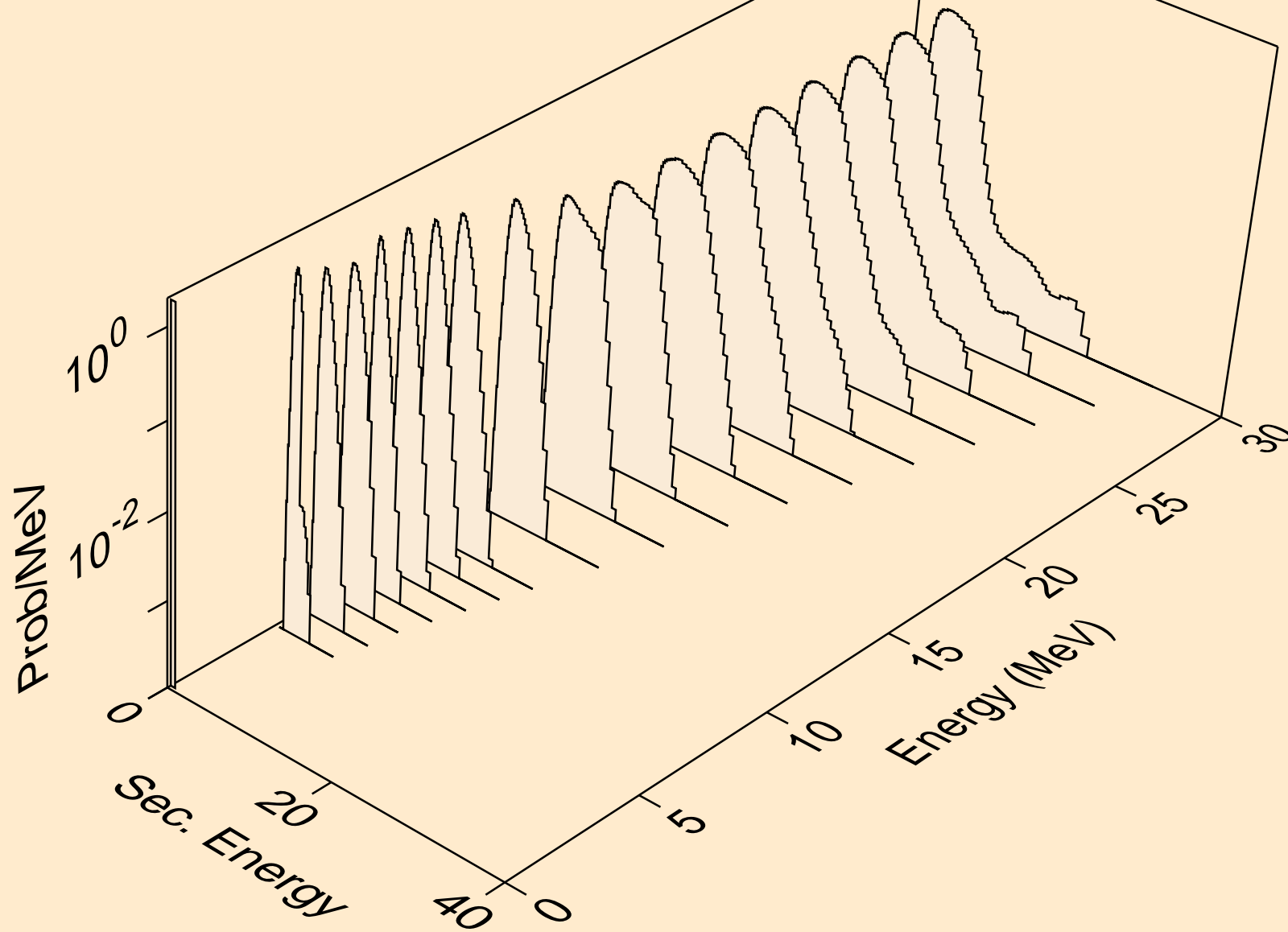
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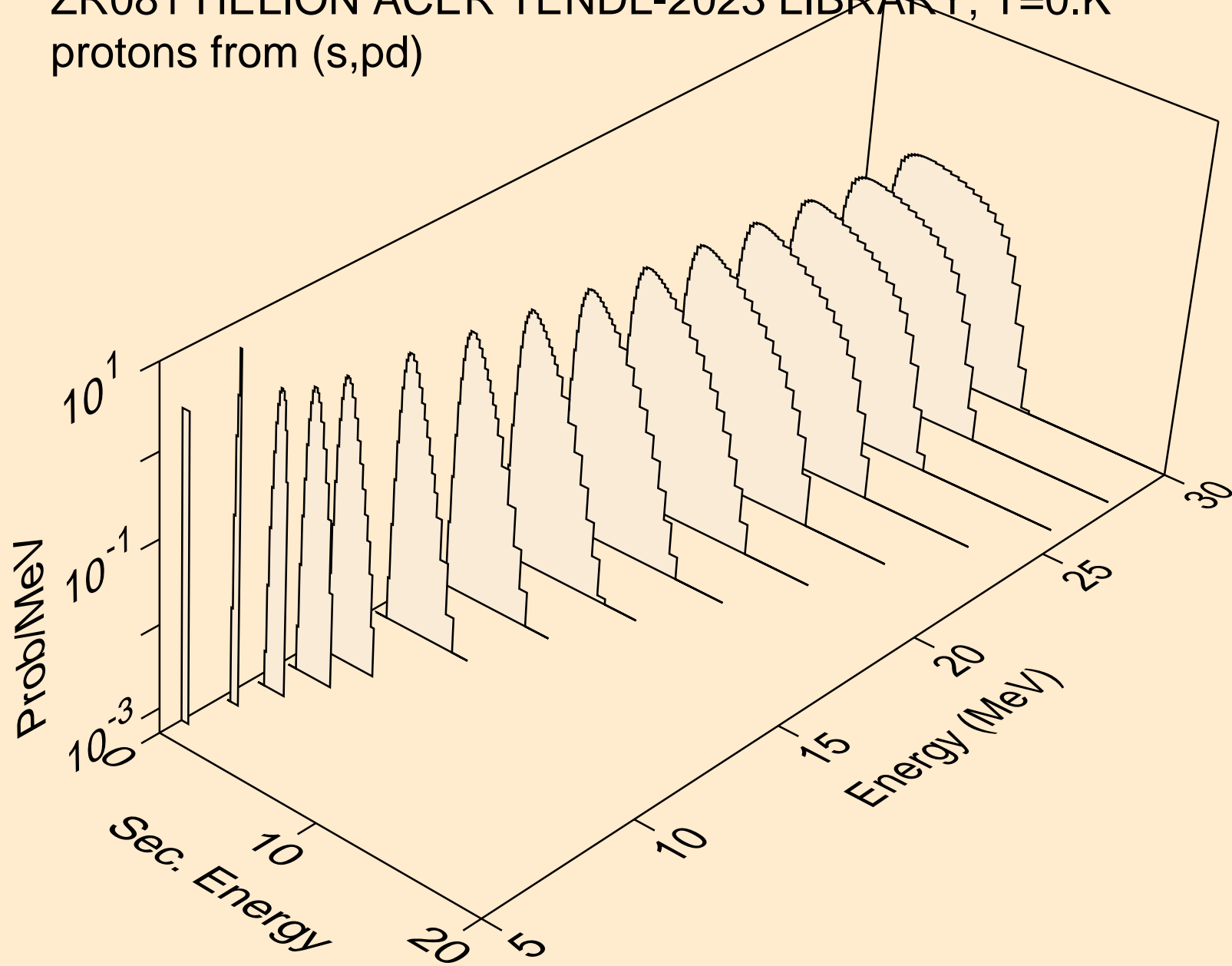
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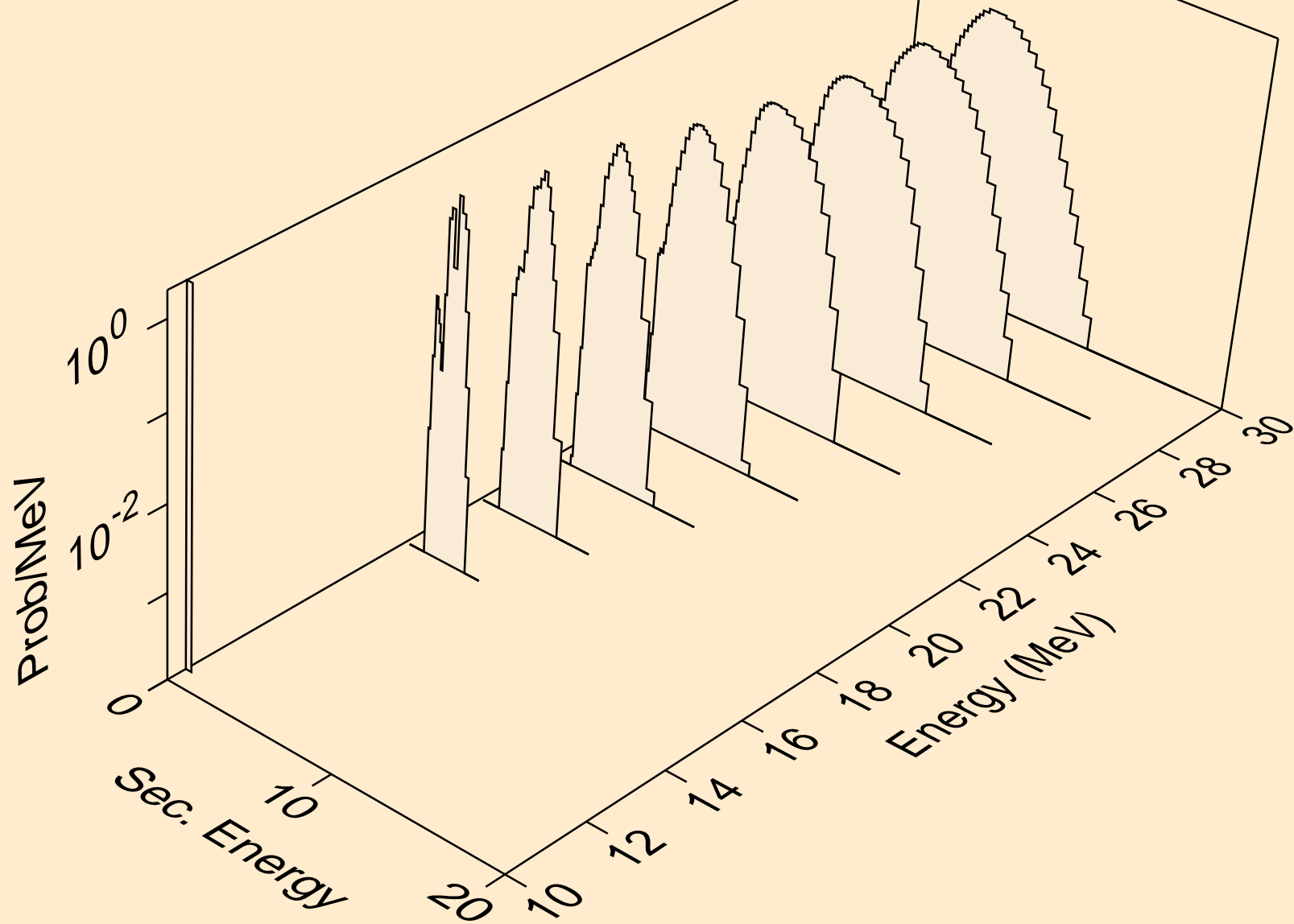
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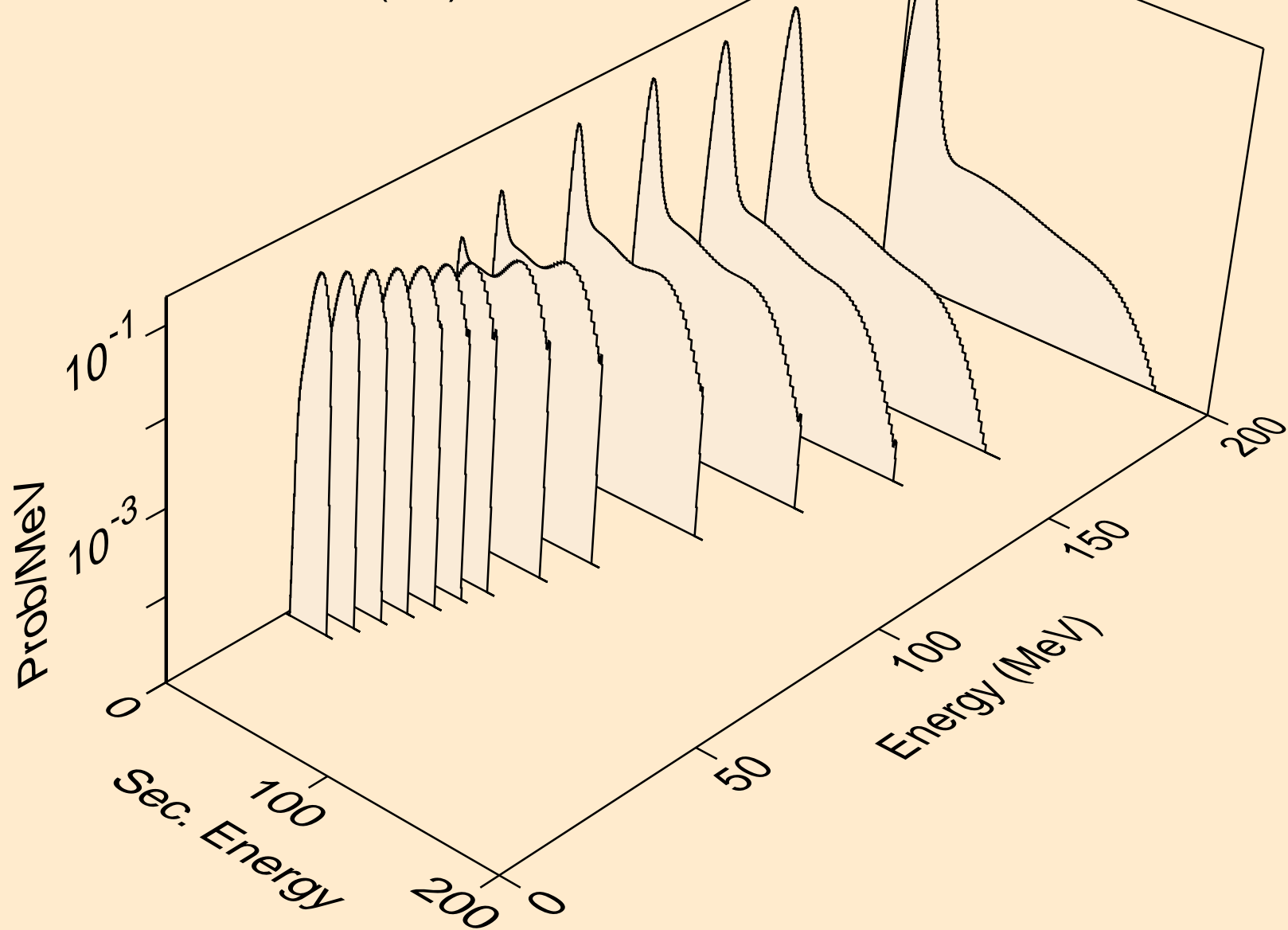
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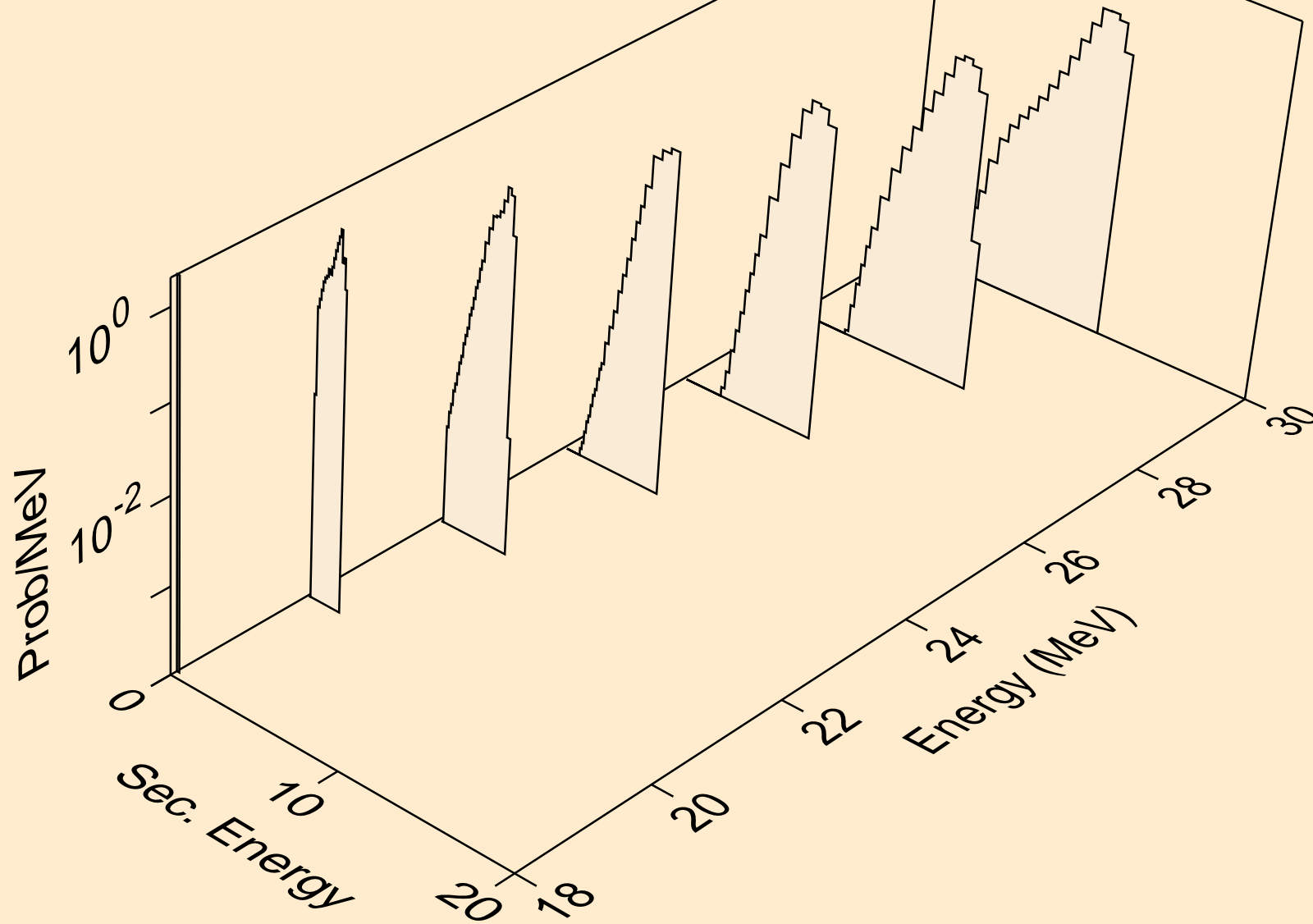
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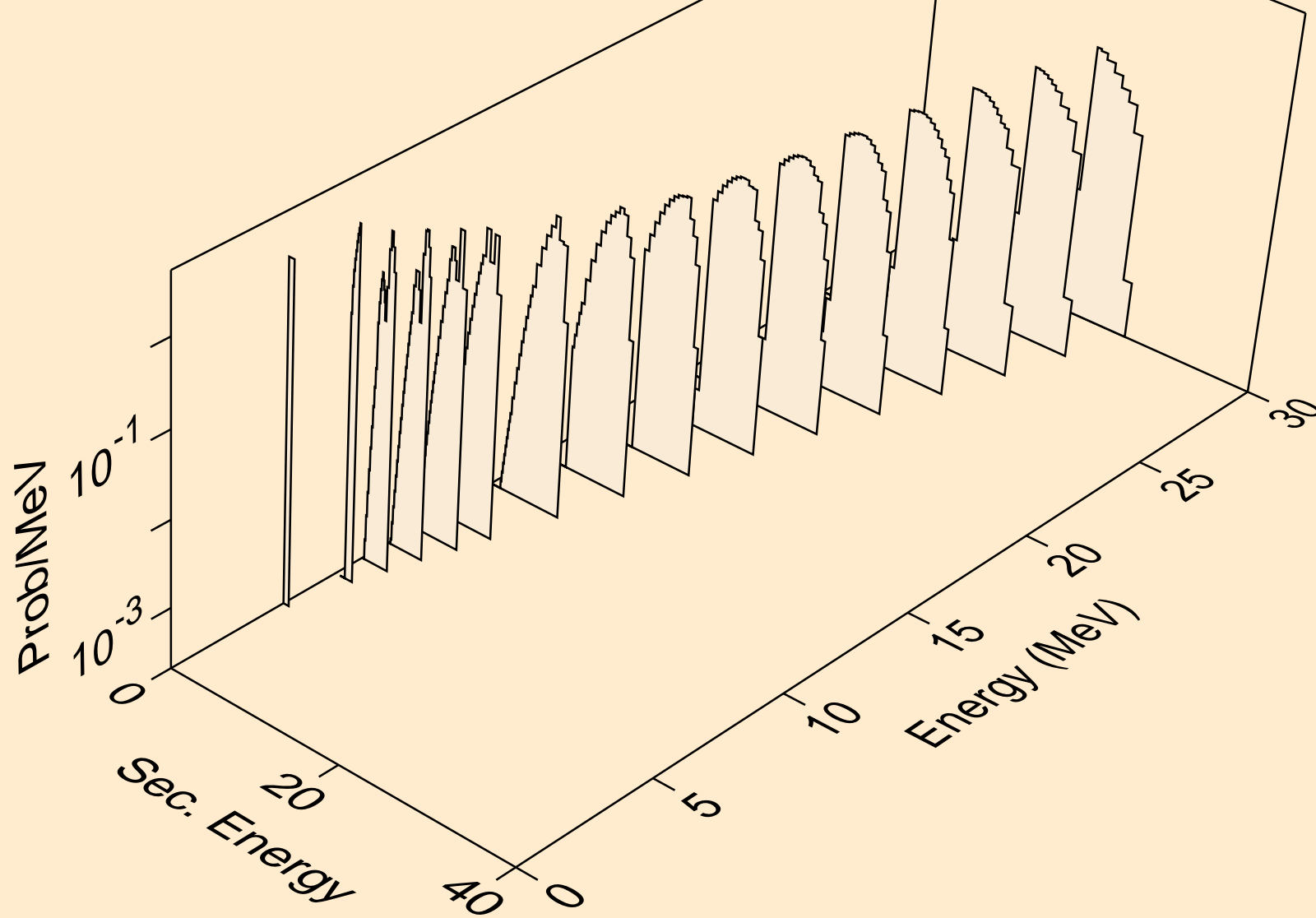
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ZR081 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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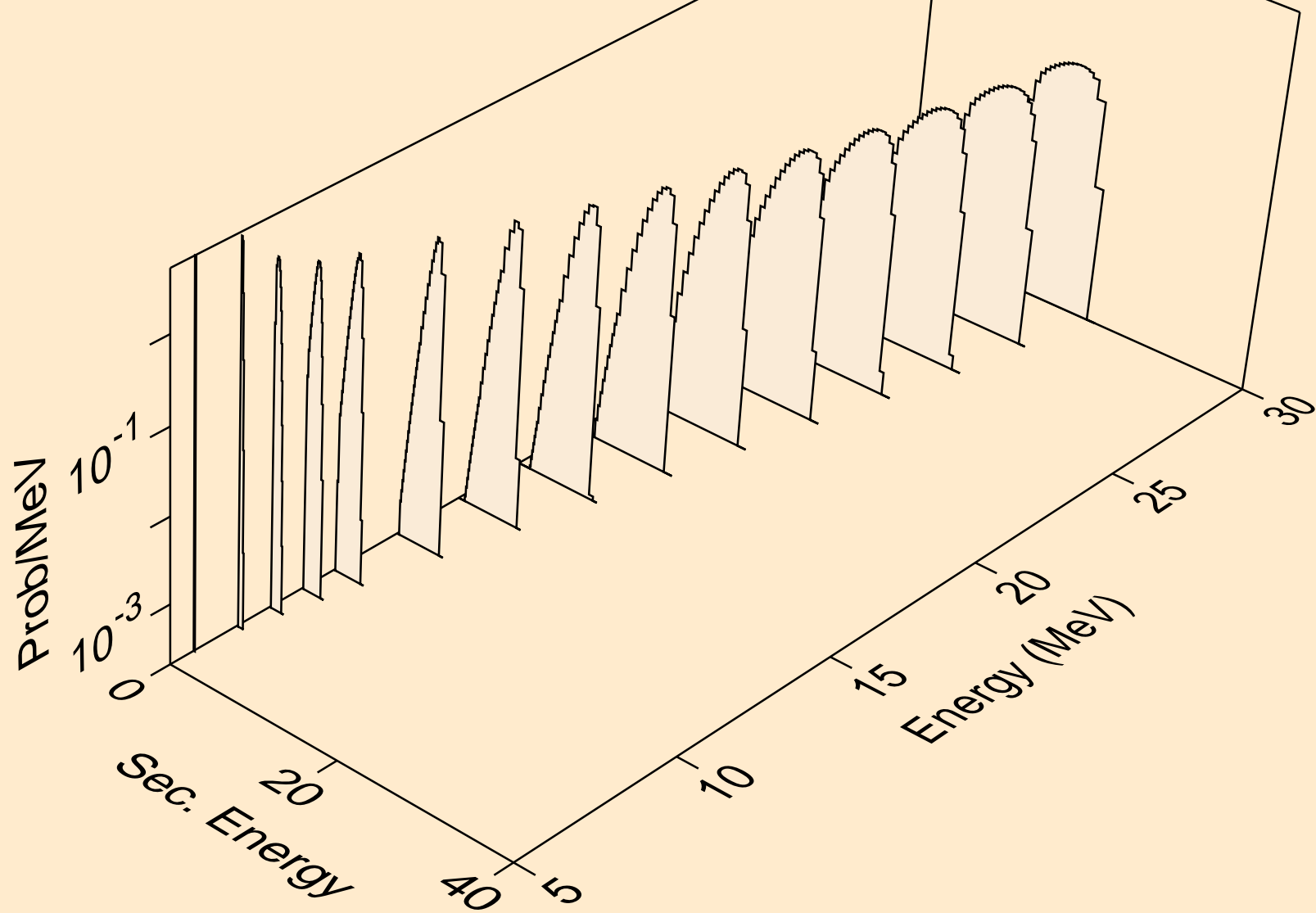


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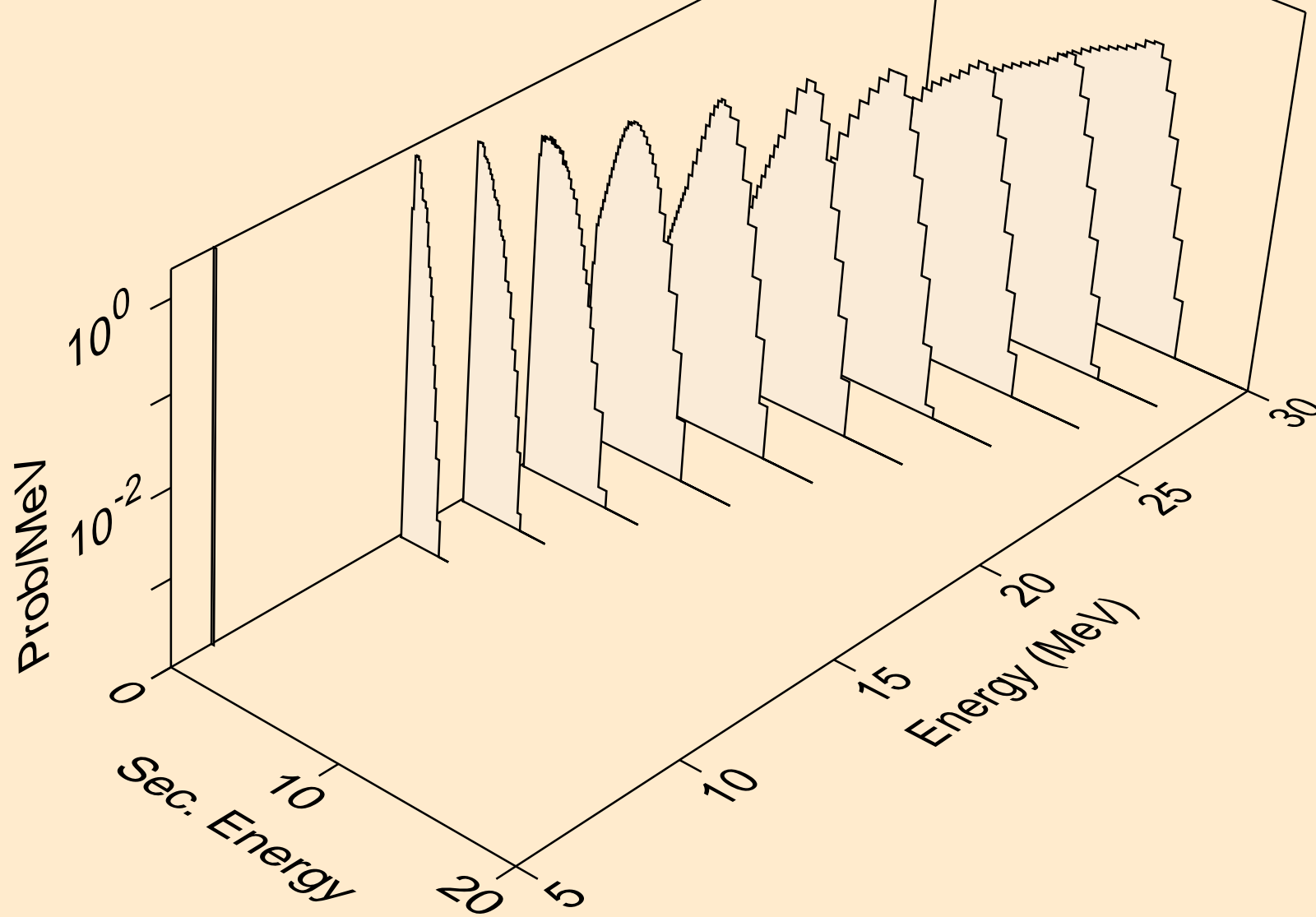




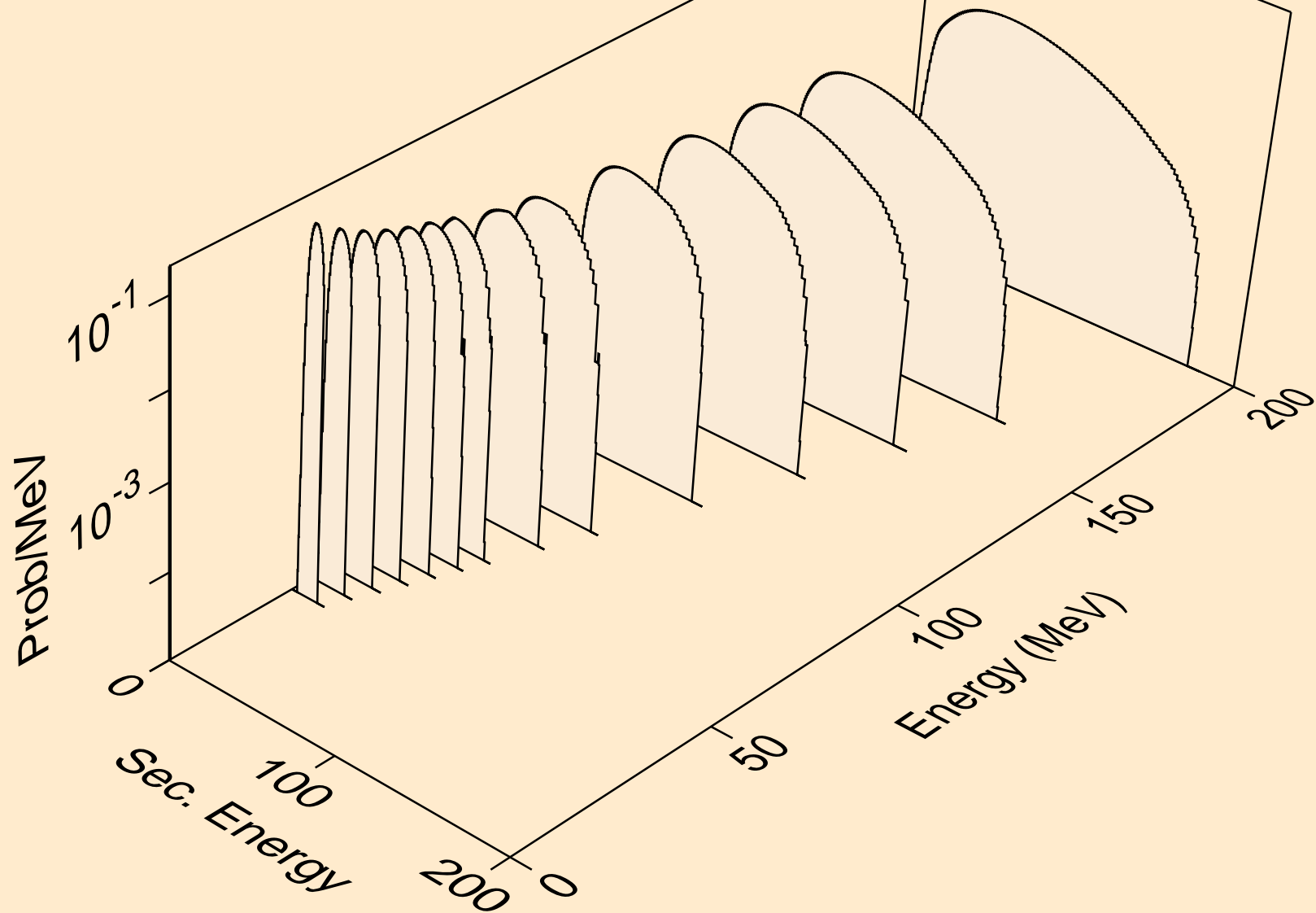
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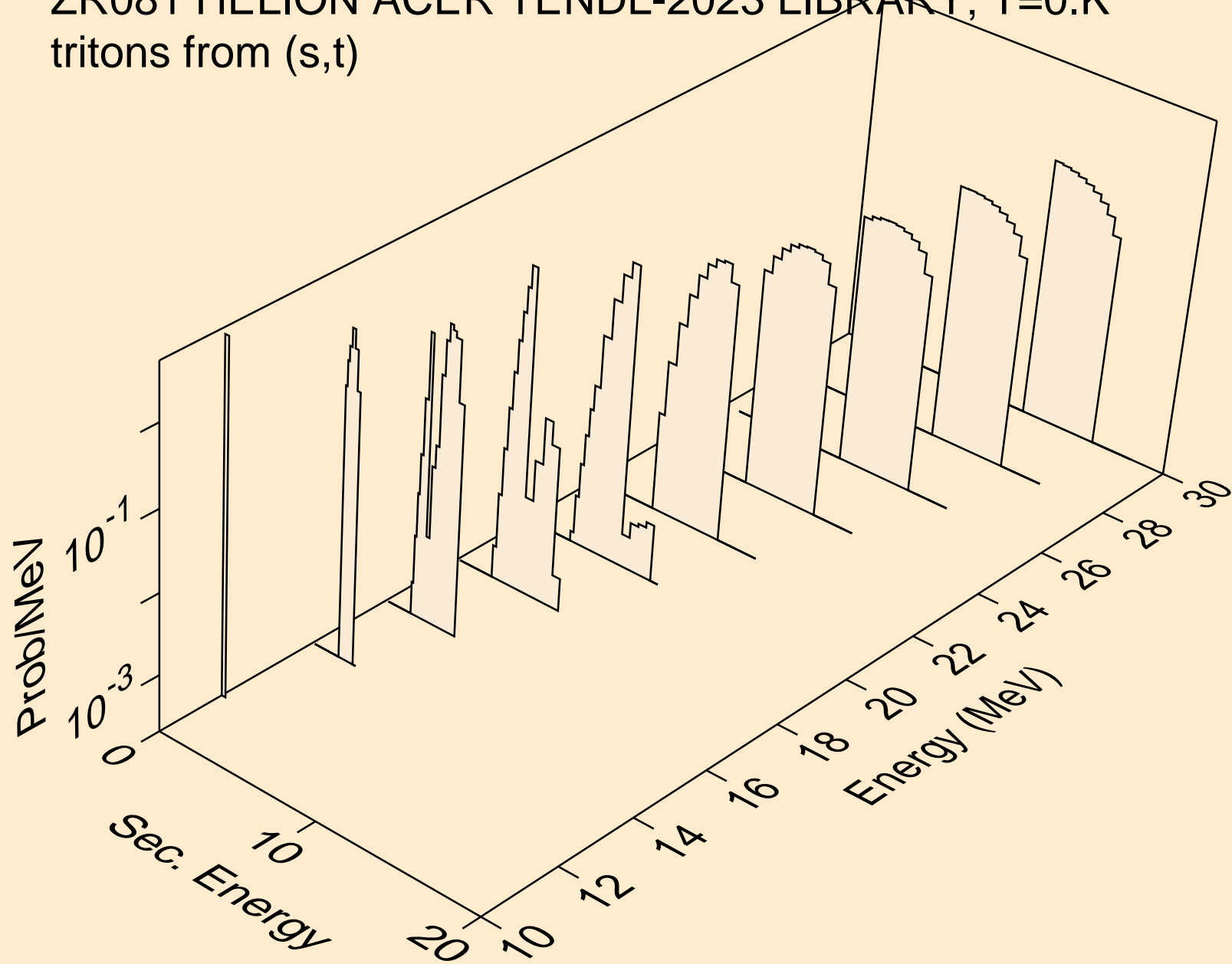
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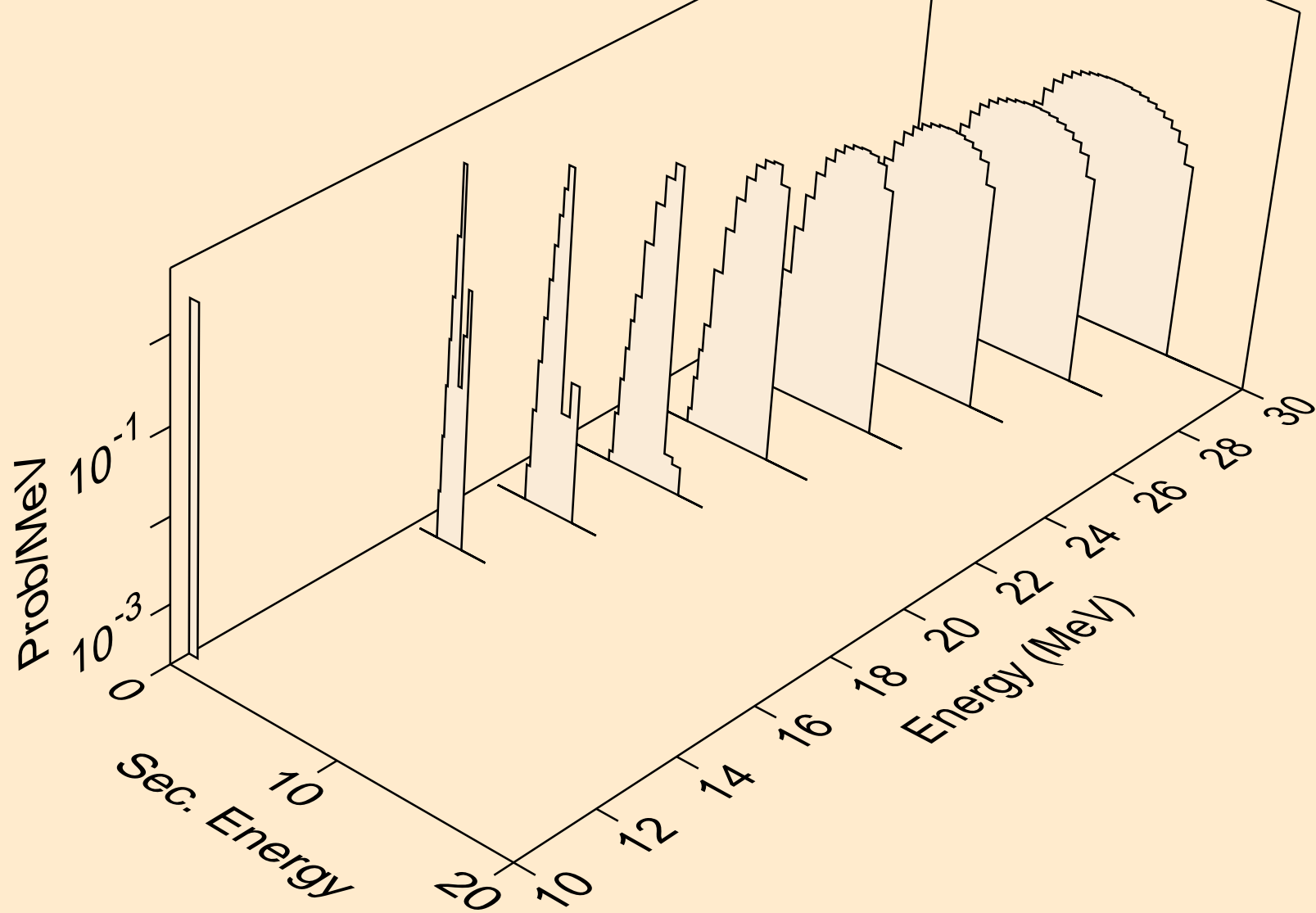
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tritons from (s,x)



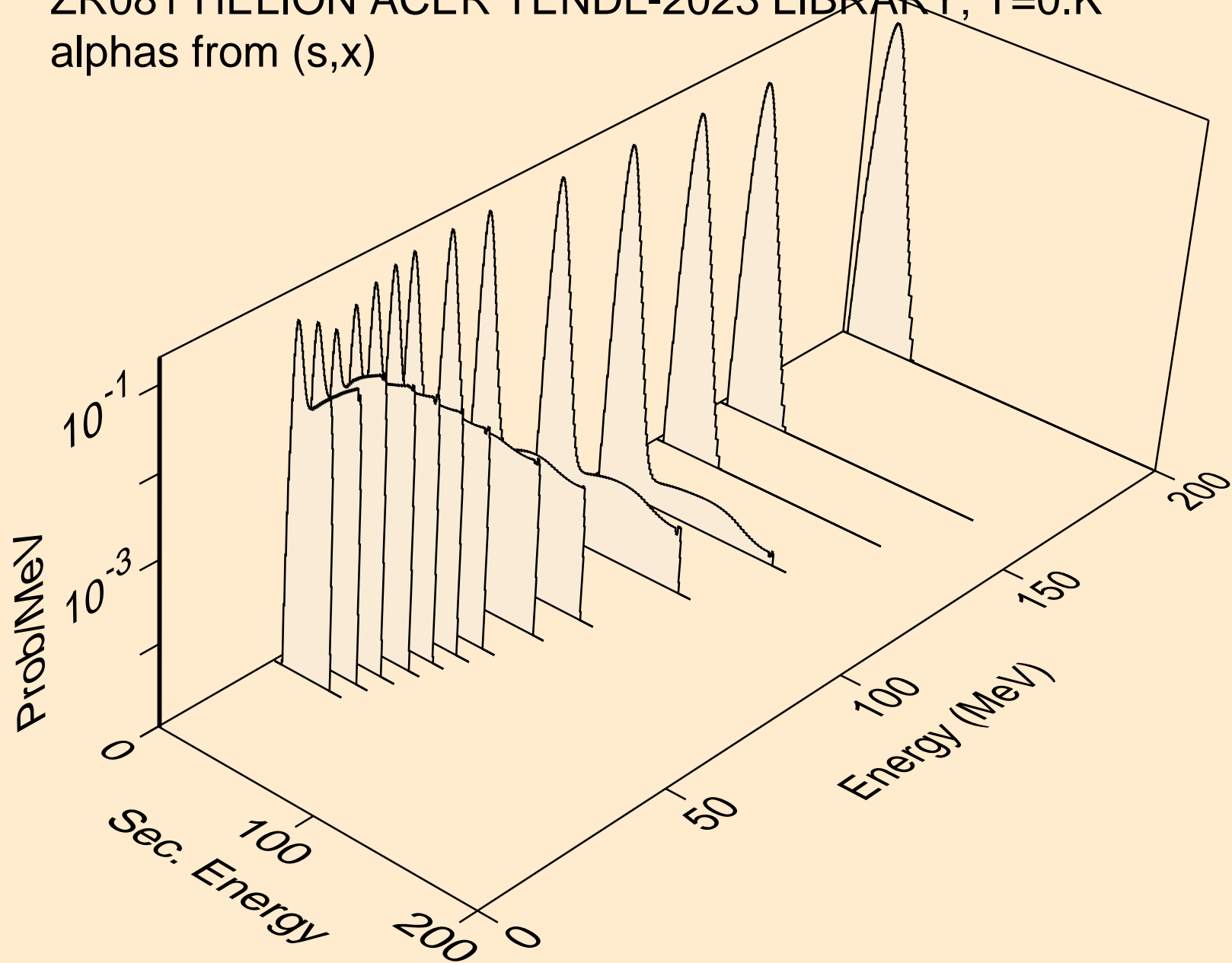
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tritons from (s,t)



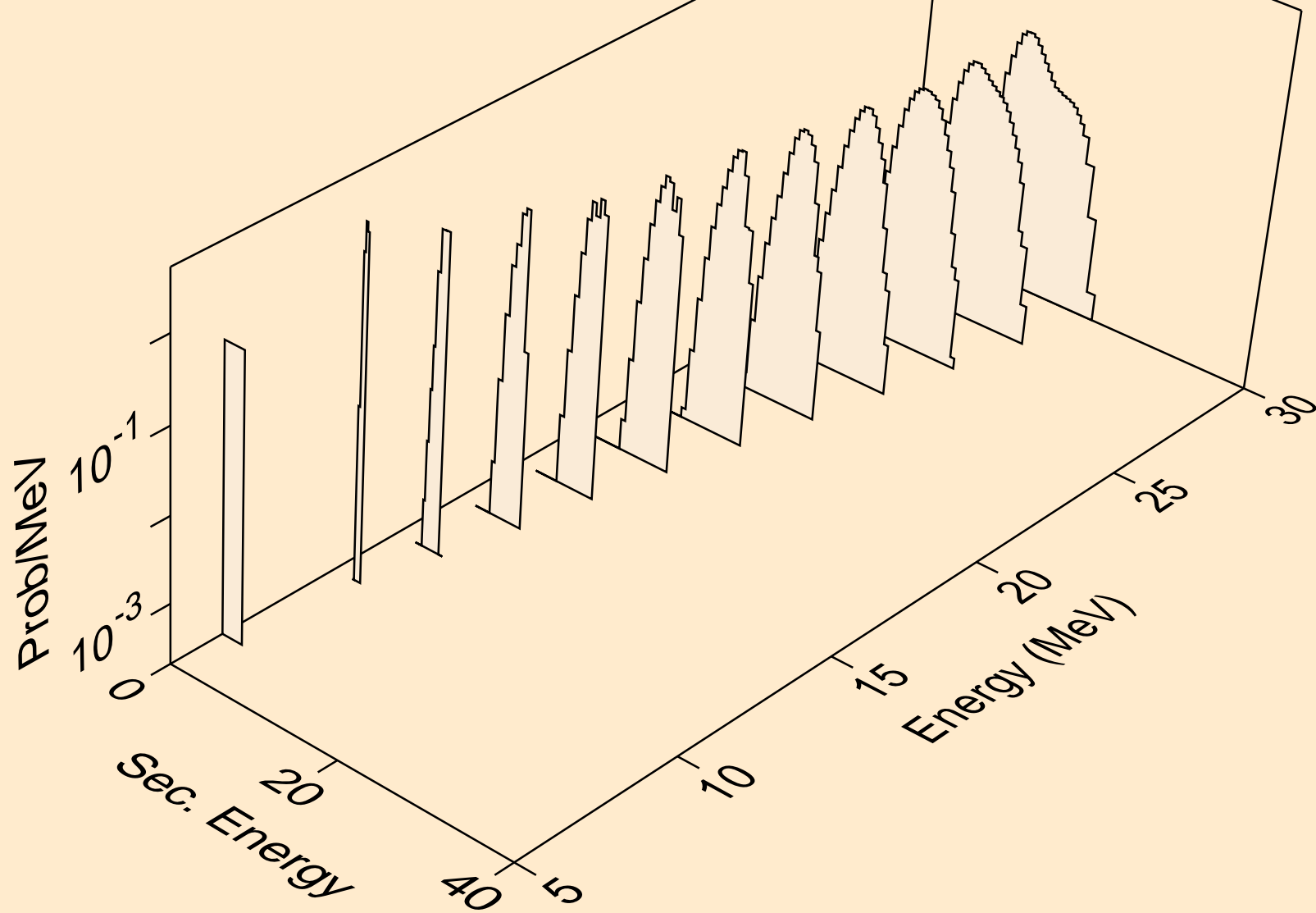
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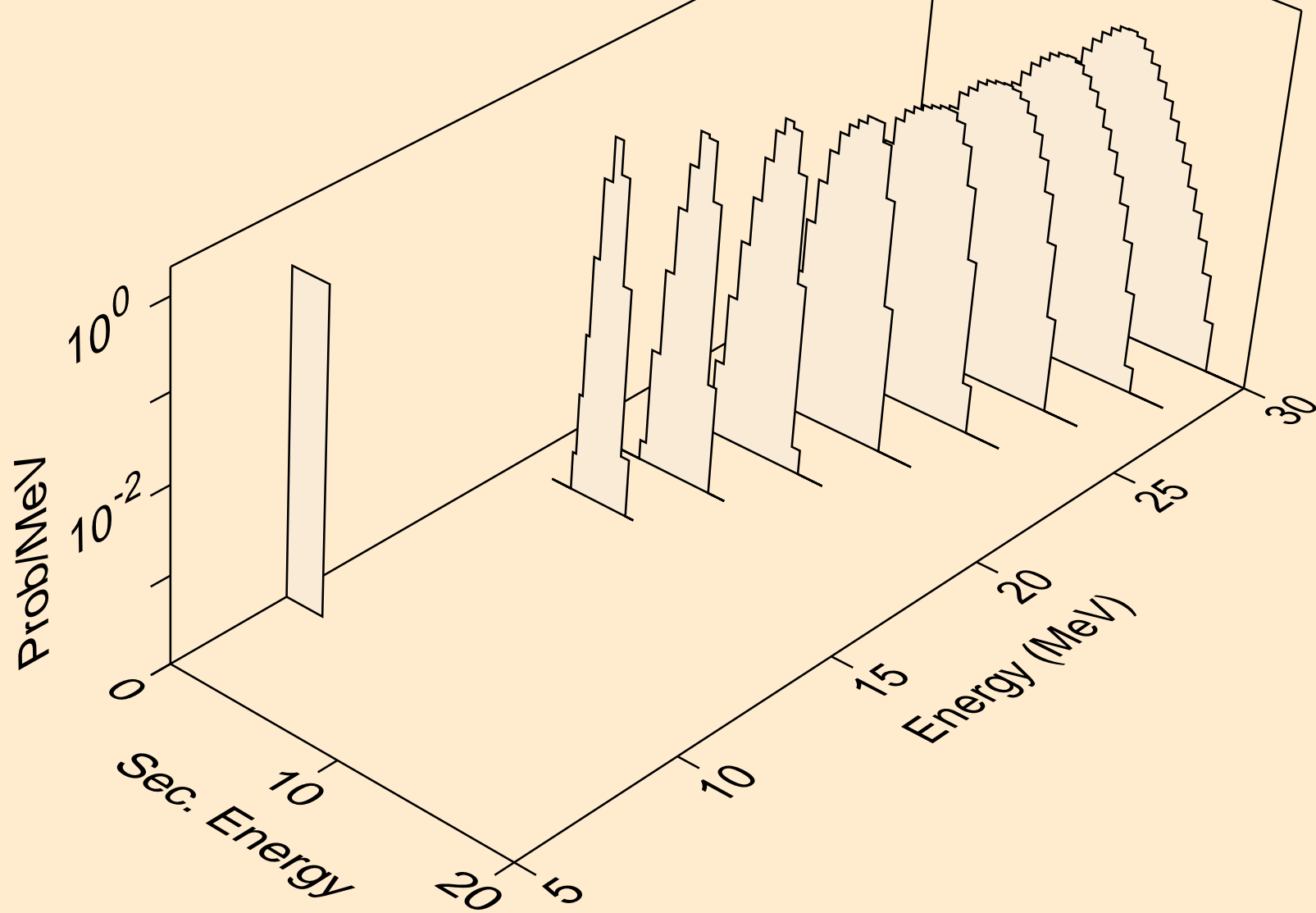
ZR081 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,x)



ZR081 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)a

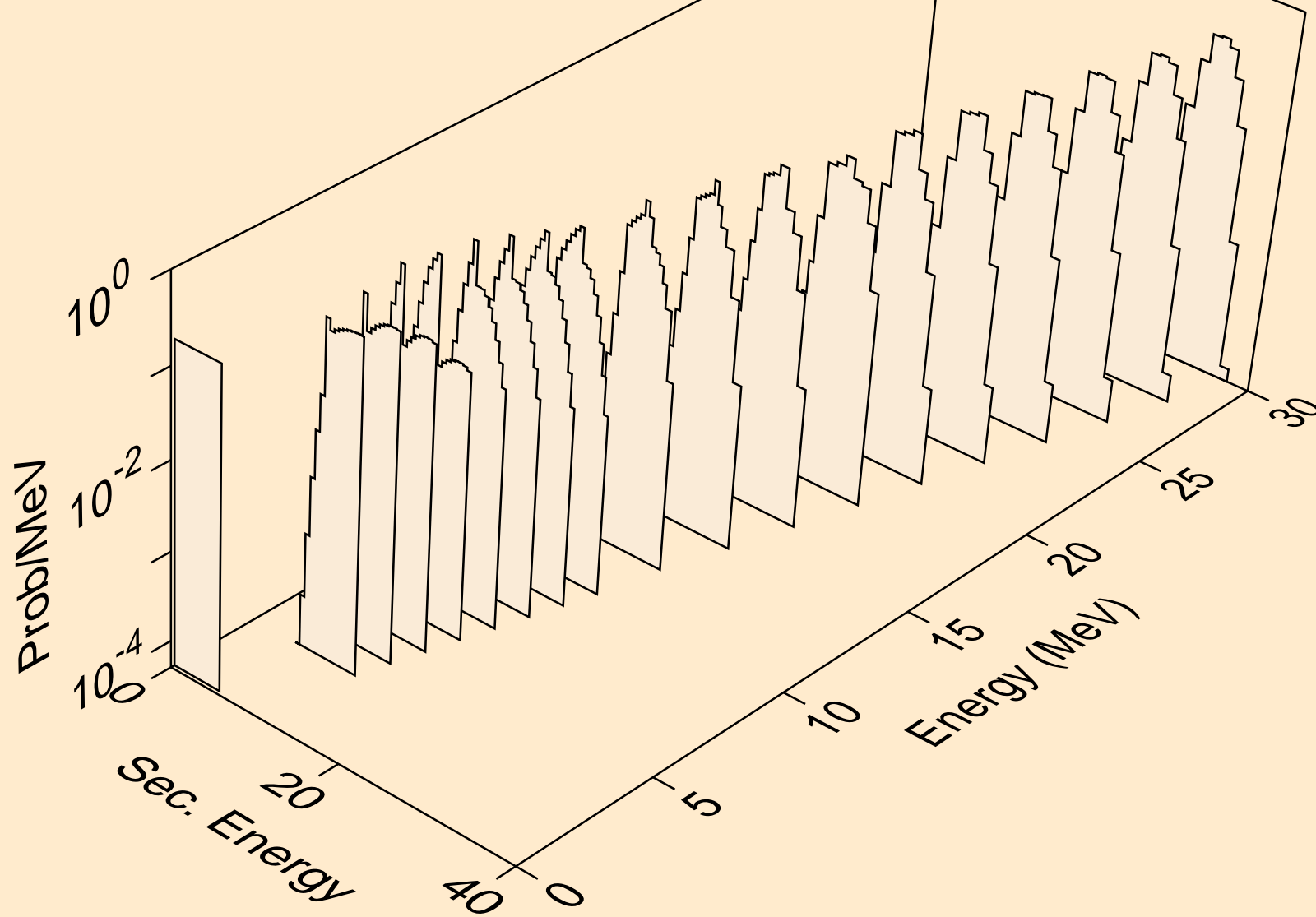


ZR081 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,npa)

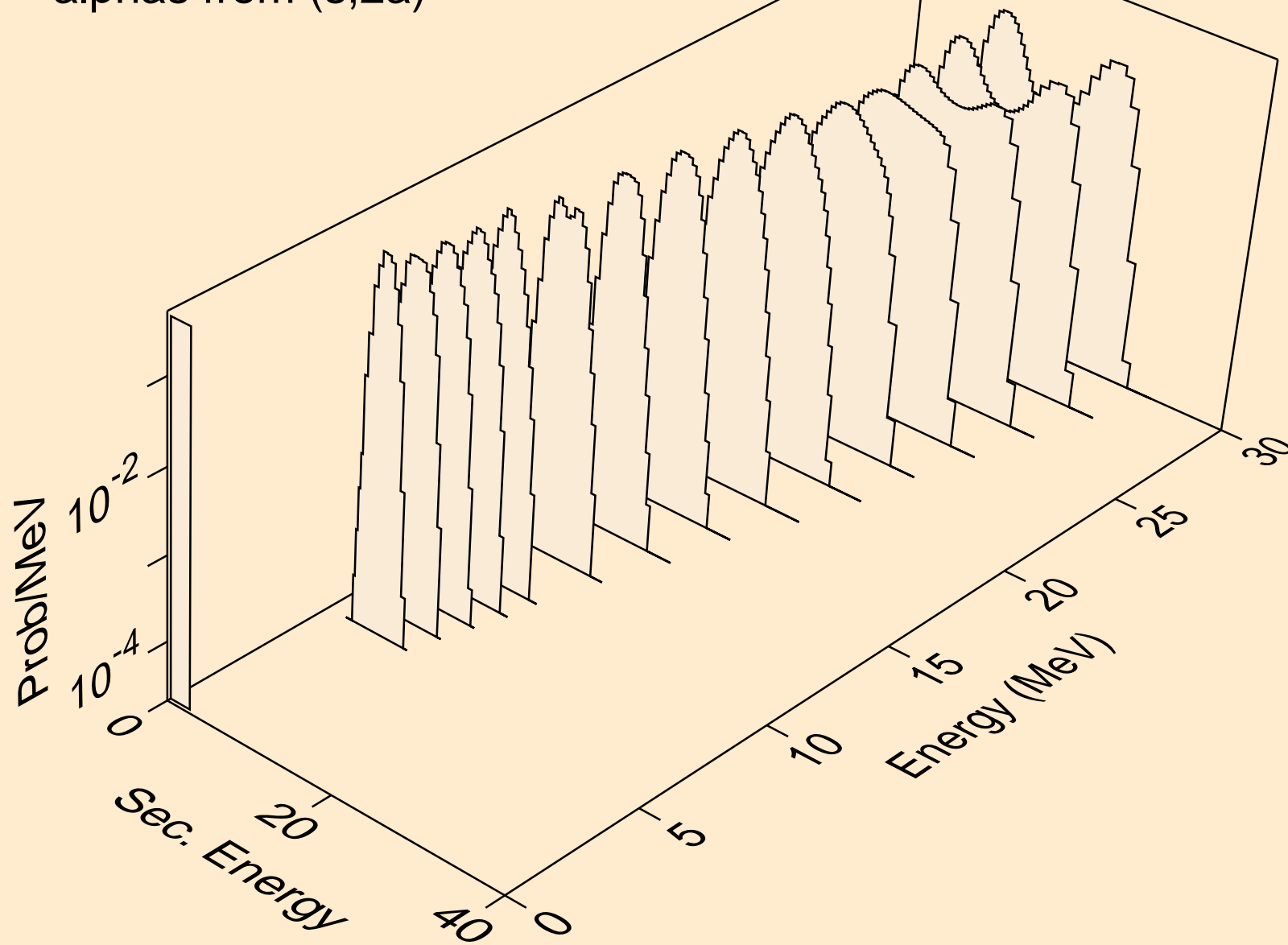




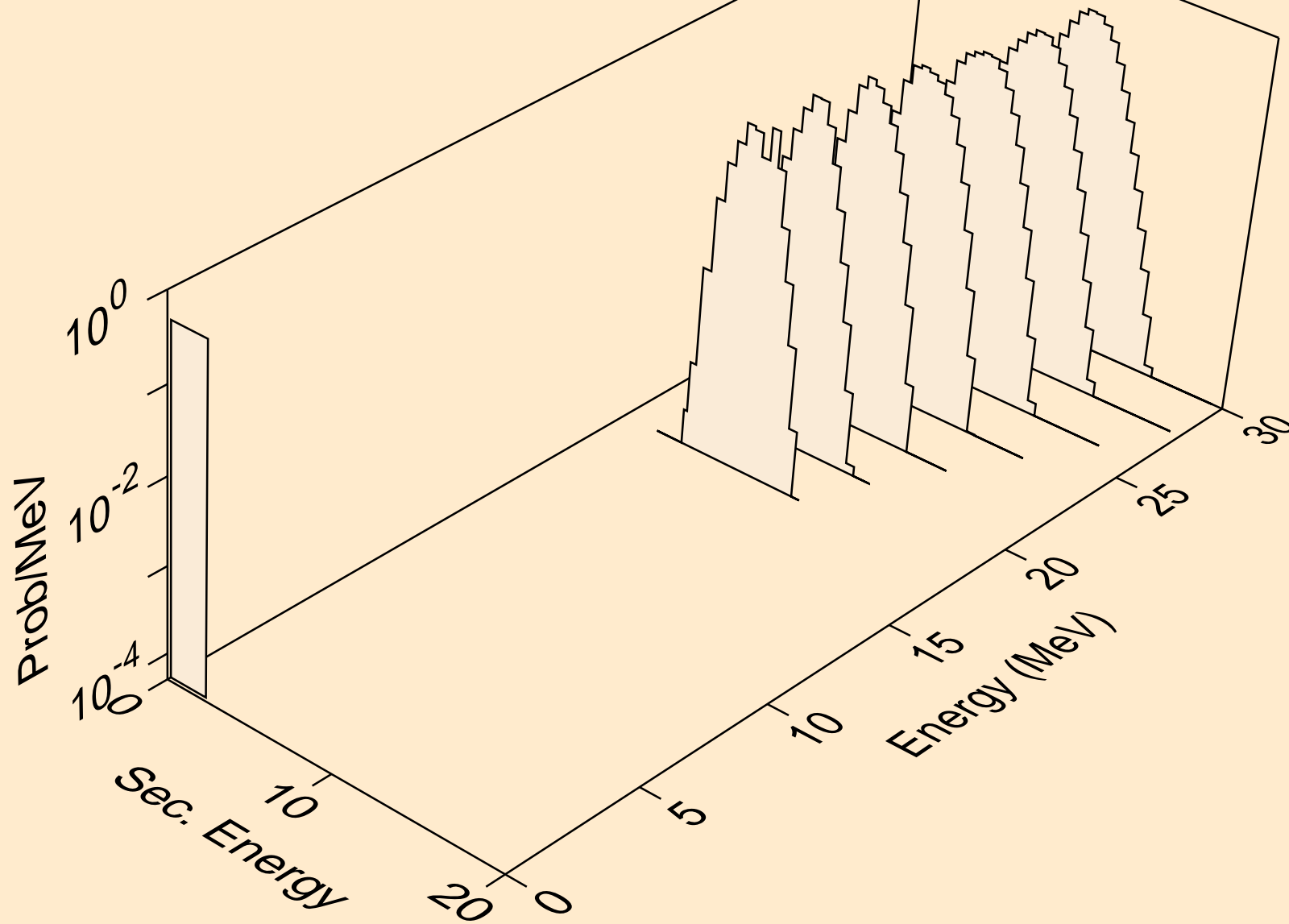
ZR081 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,a)



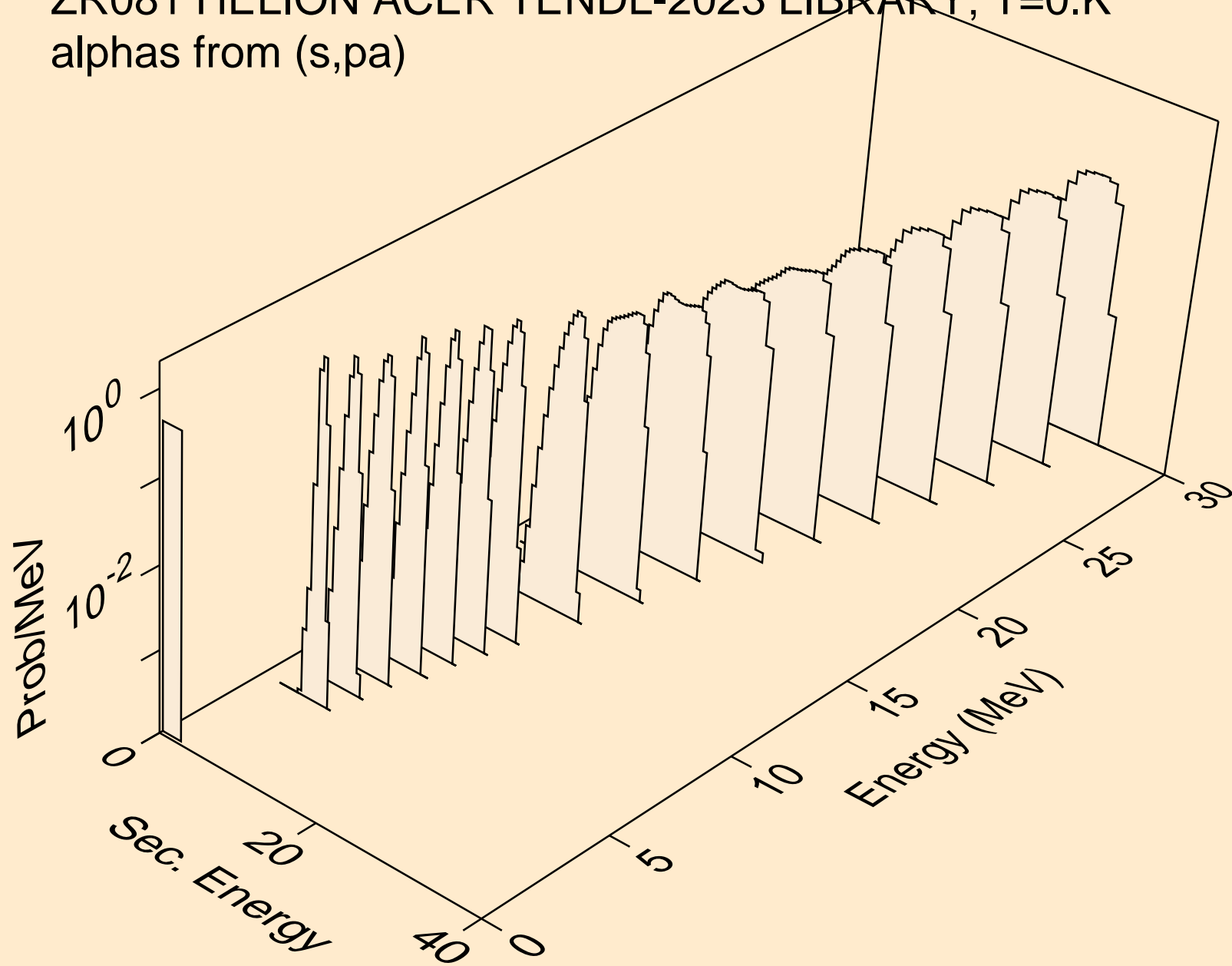
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alphas from (s,2a)



ZR081 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,3a)



ZR081 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



ZR081 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

