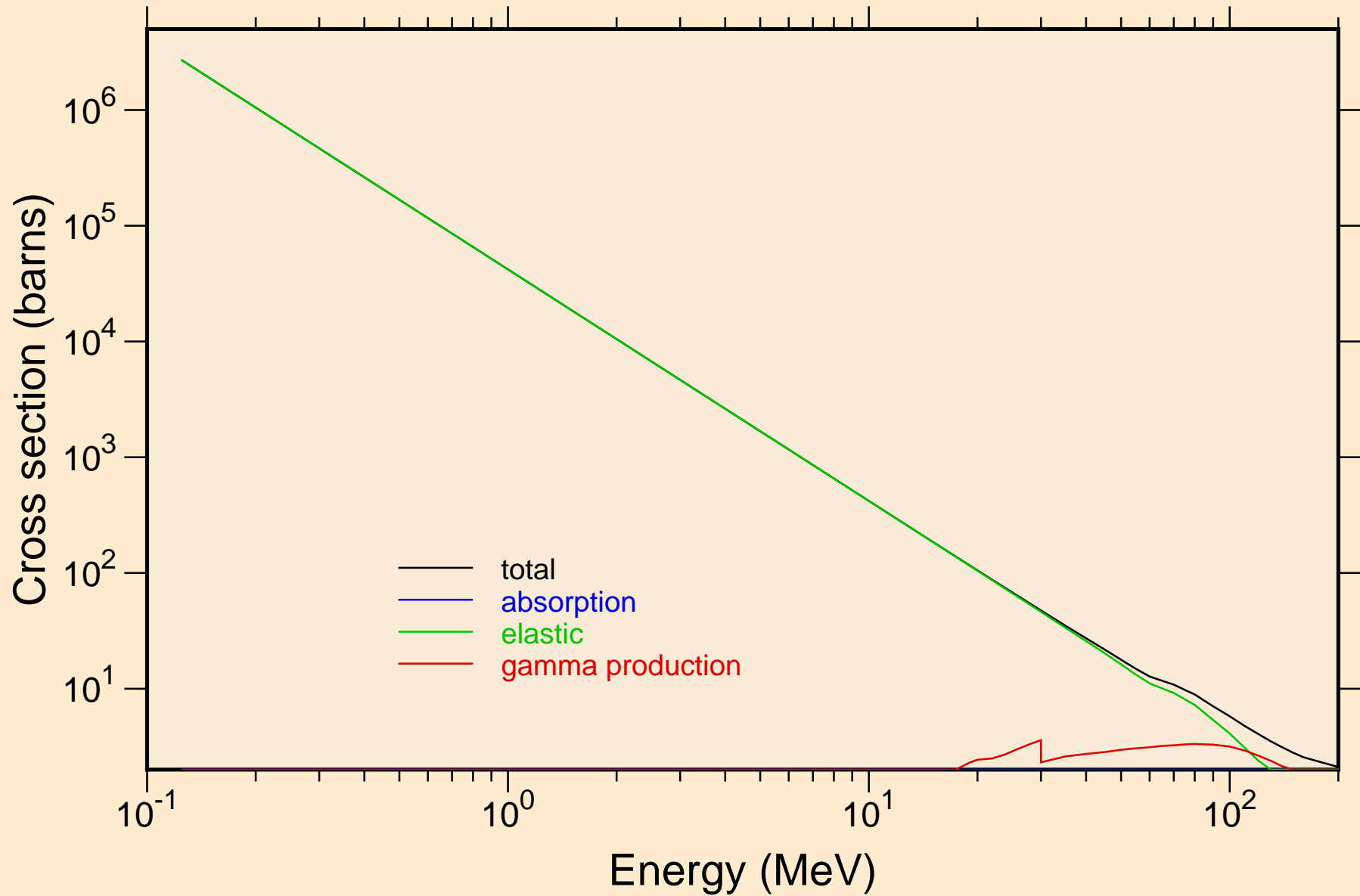
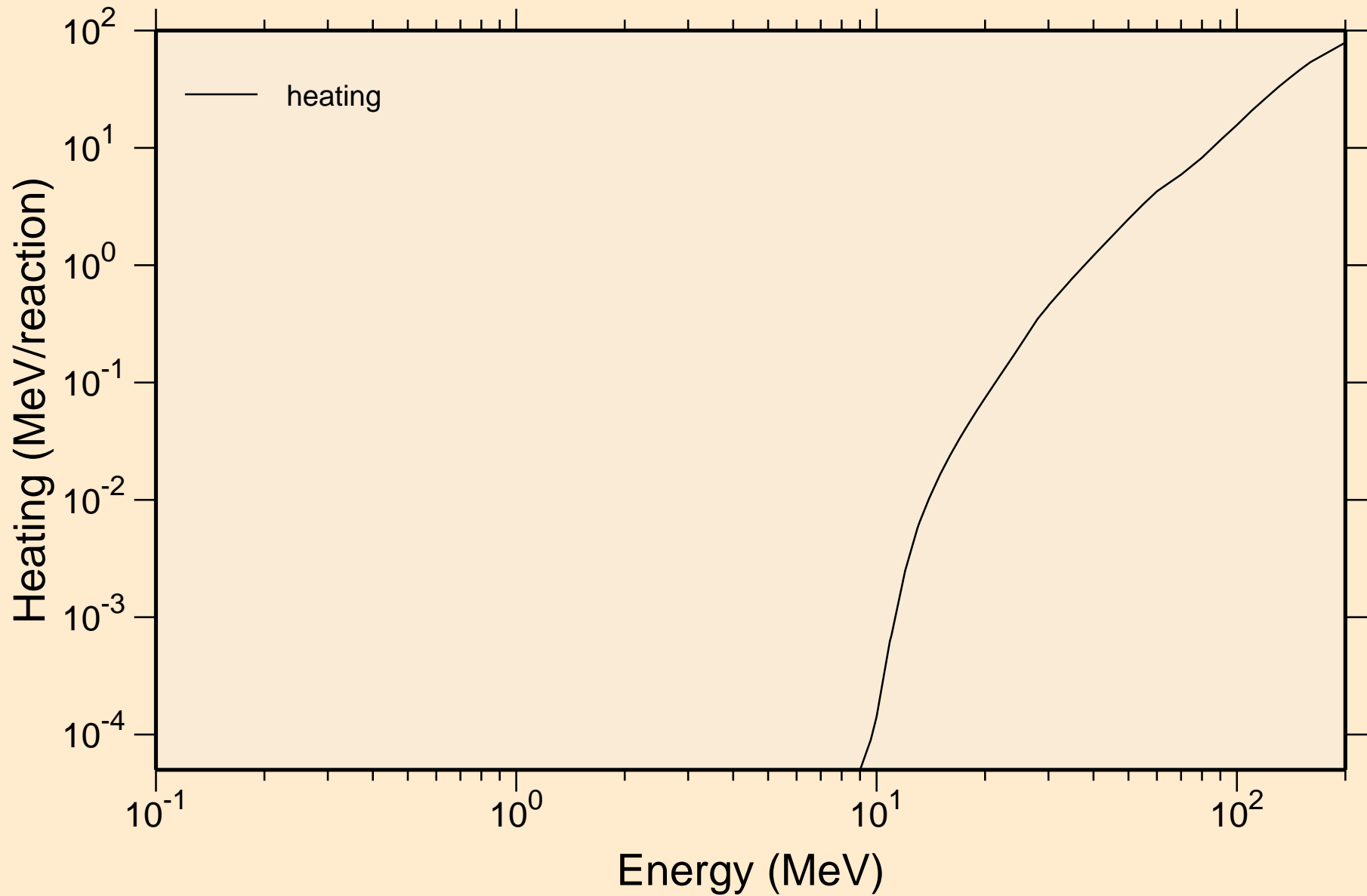


ZR089 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Principal cross sections



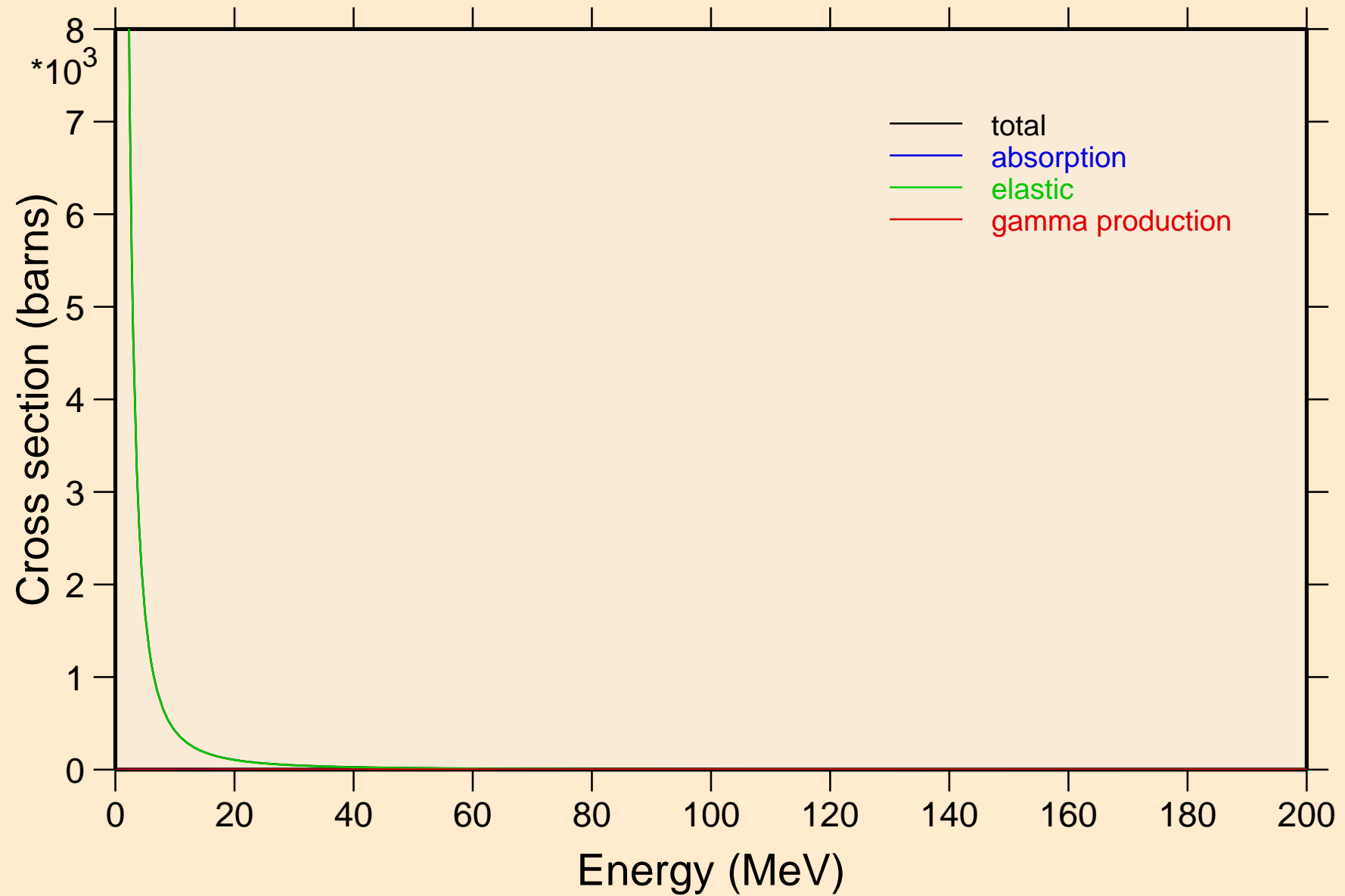
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Heating



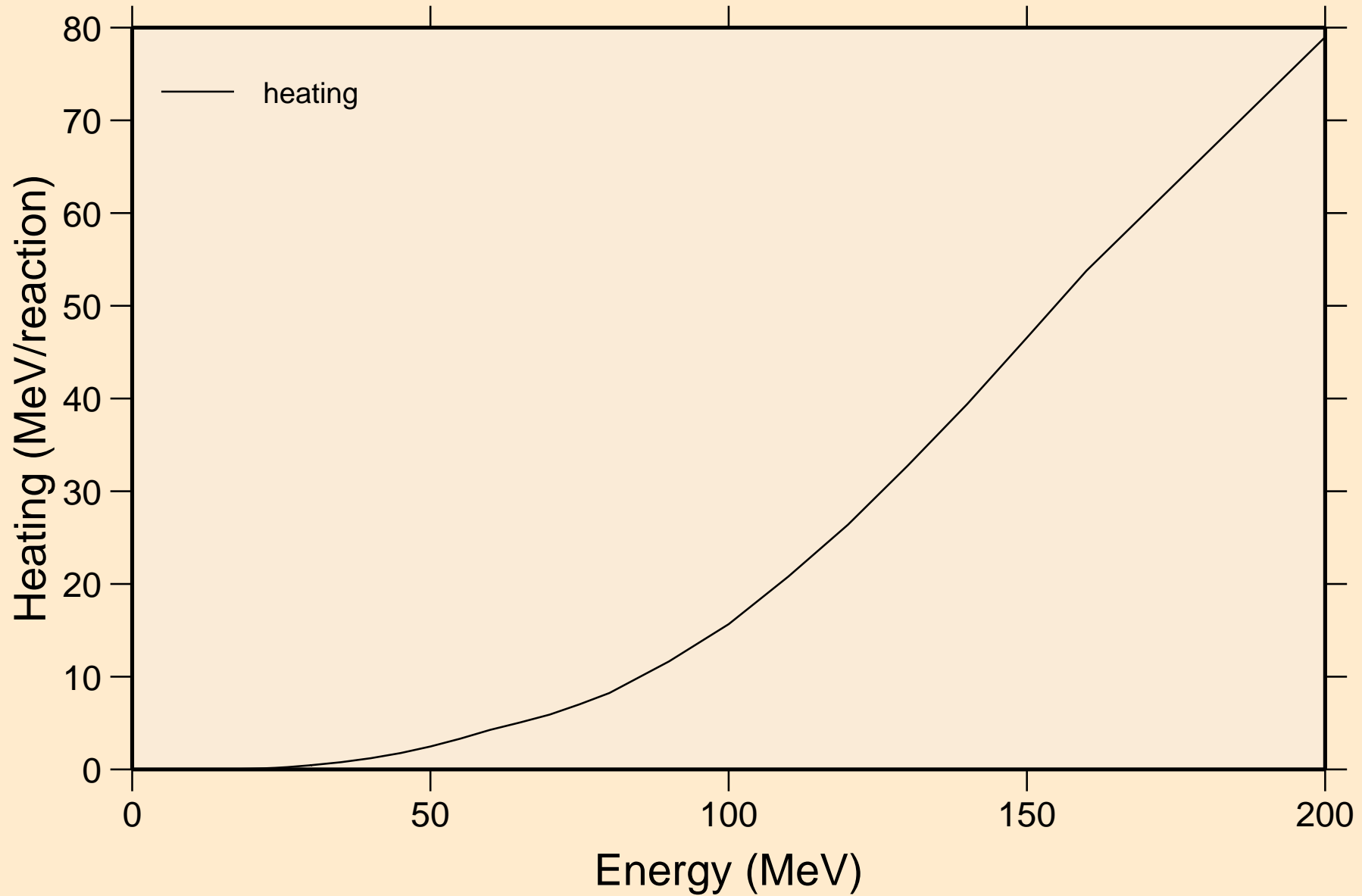
# ZR089 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections

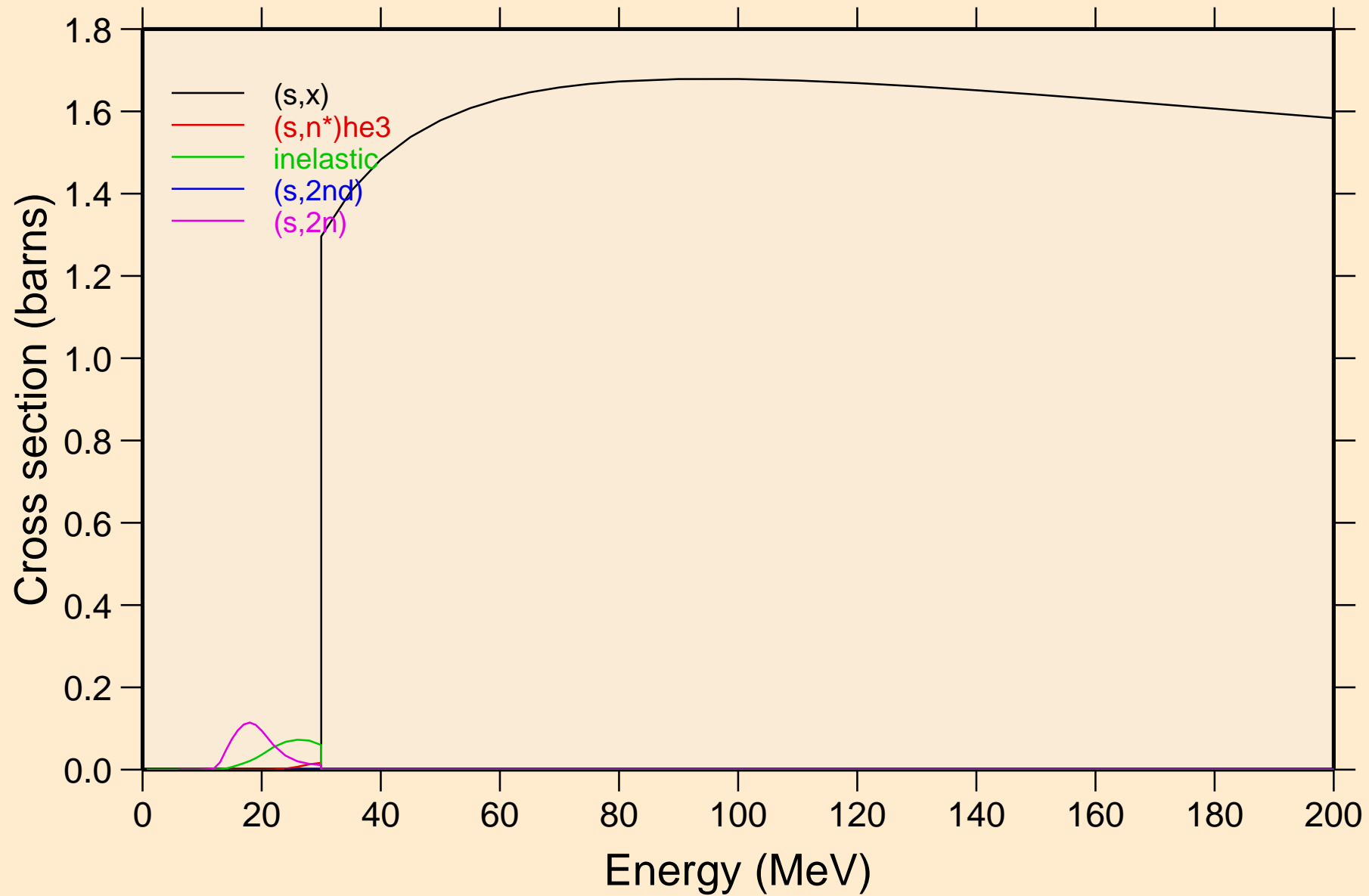


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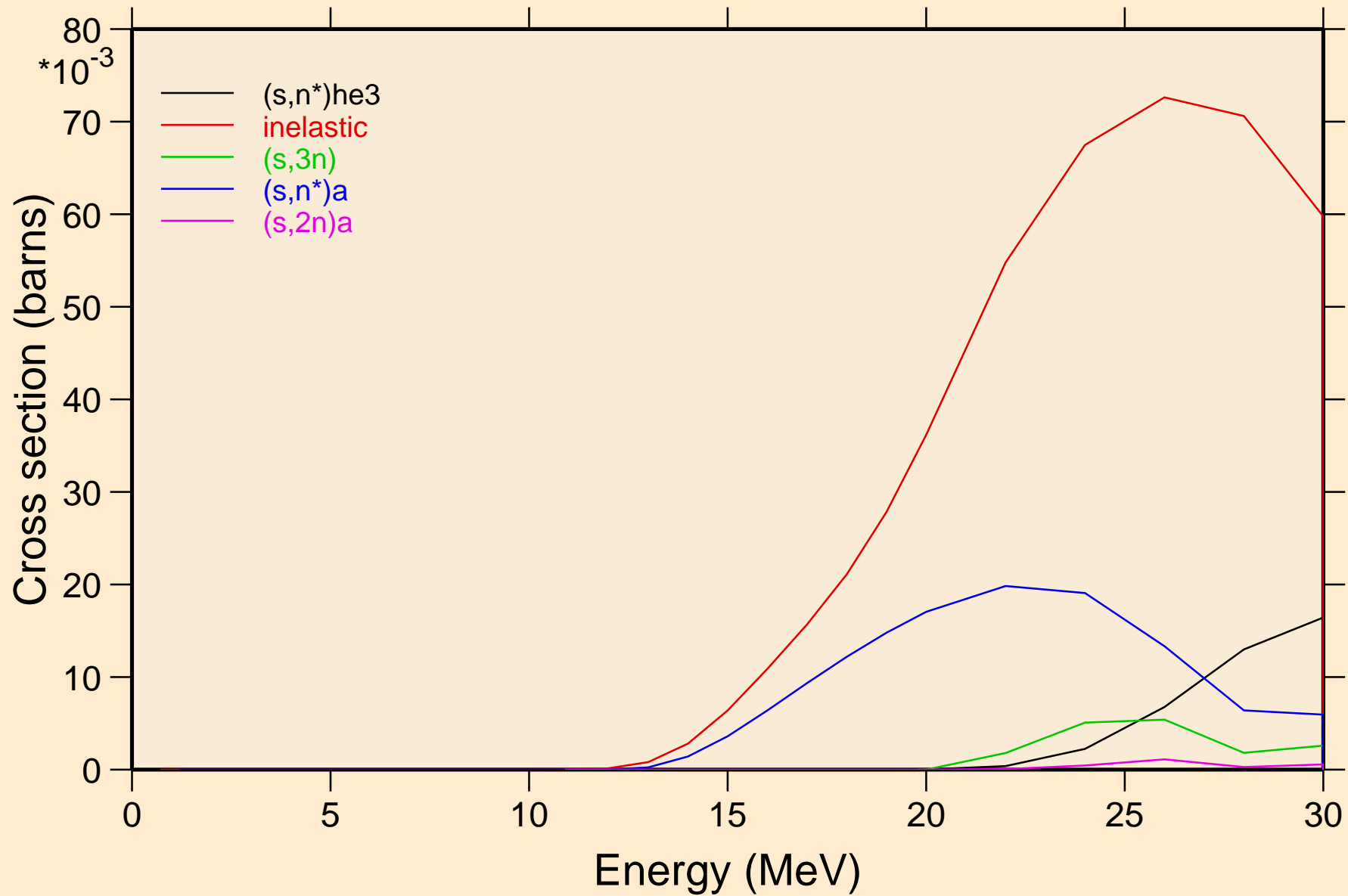
Heating



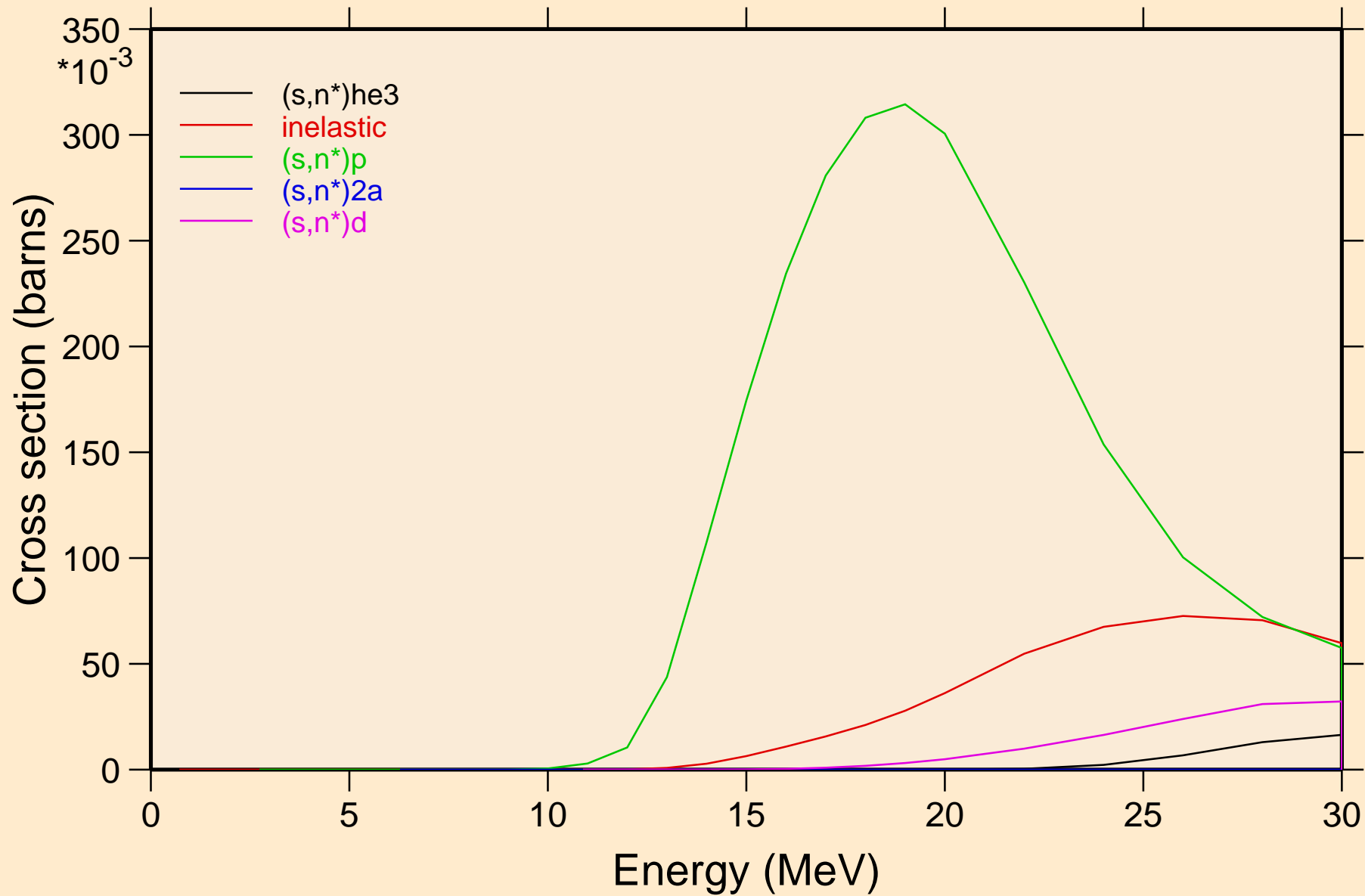
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Threshold reactions



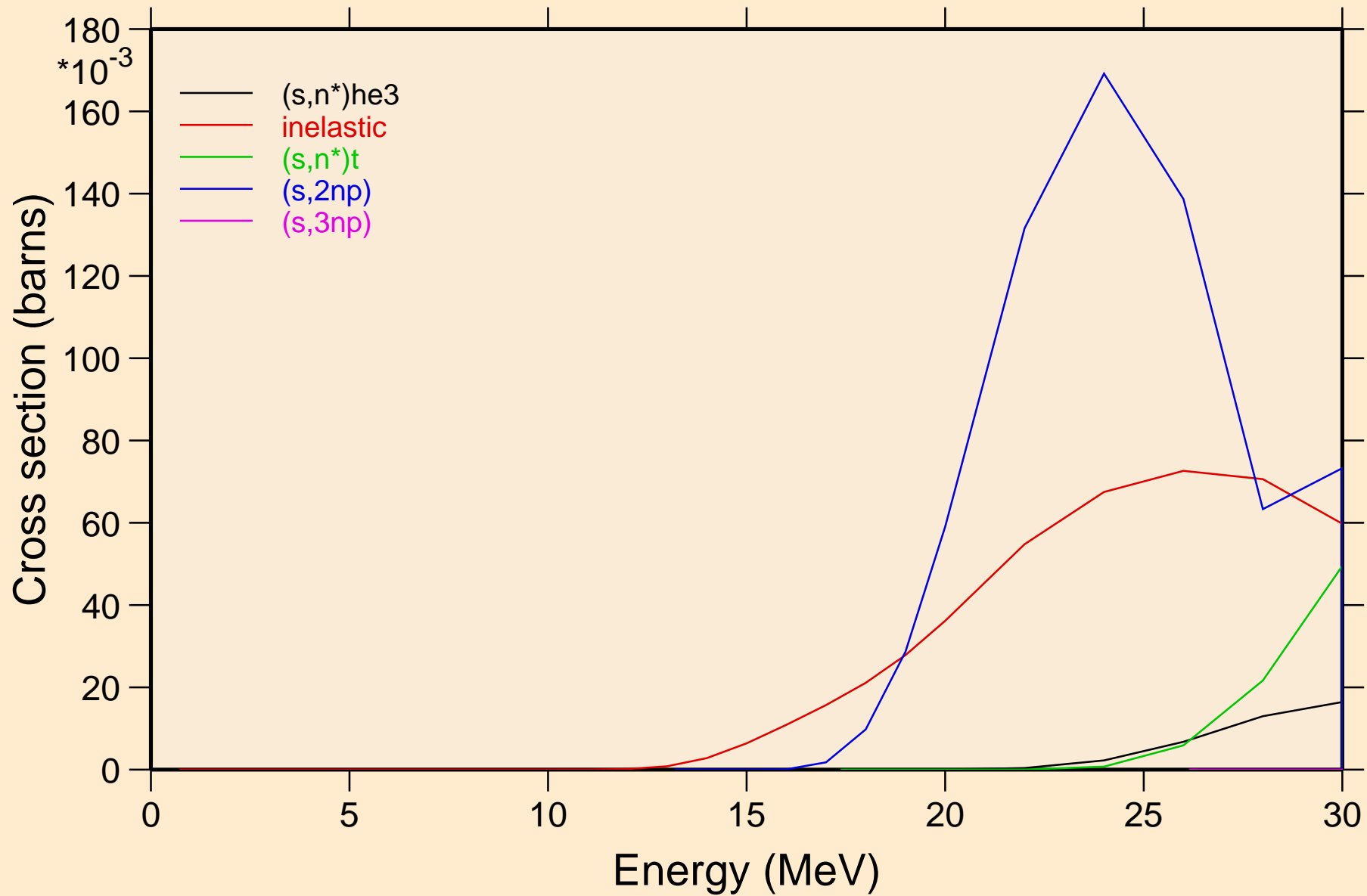
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Threshold reactions



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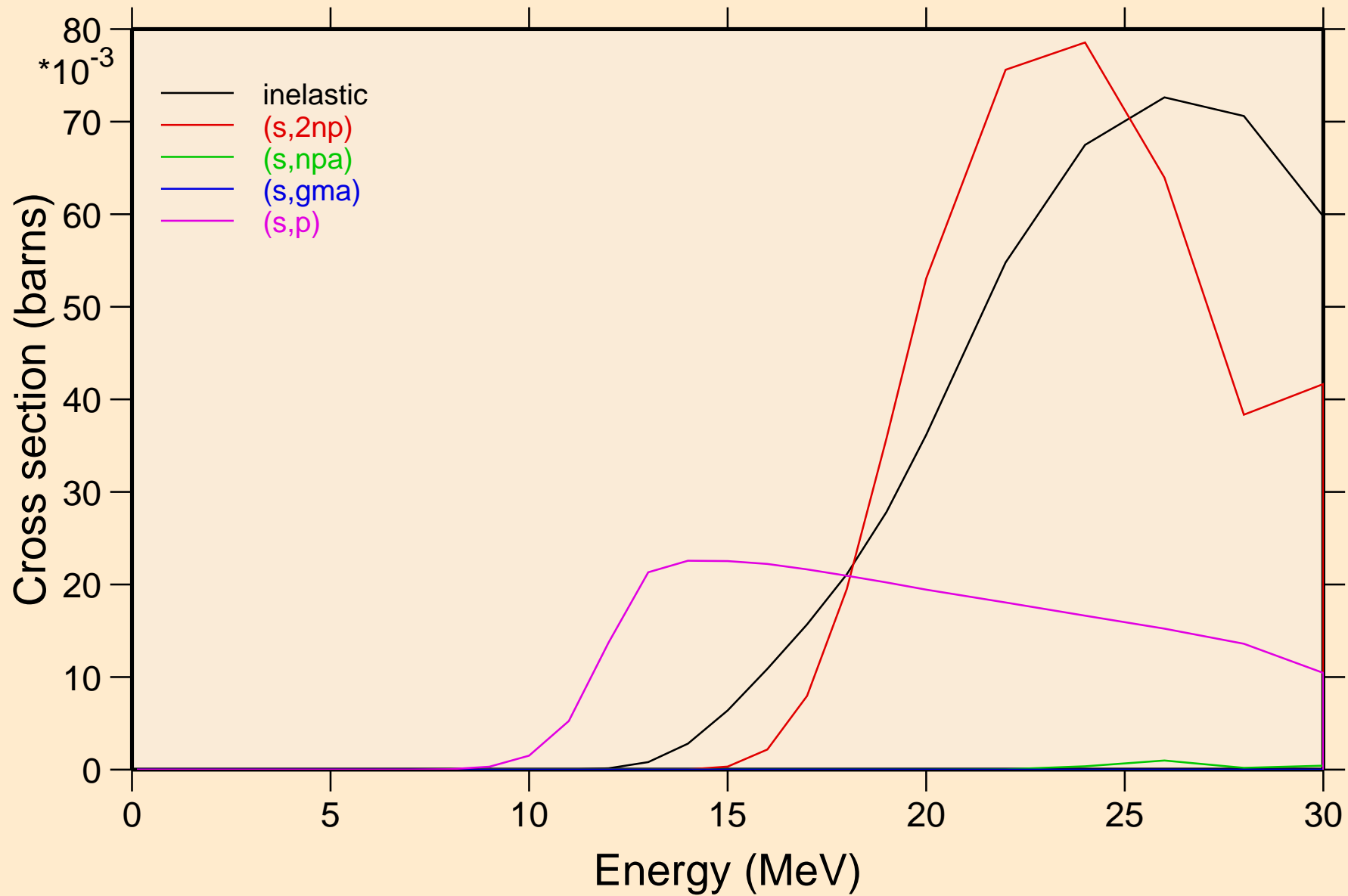


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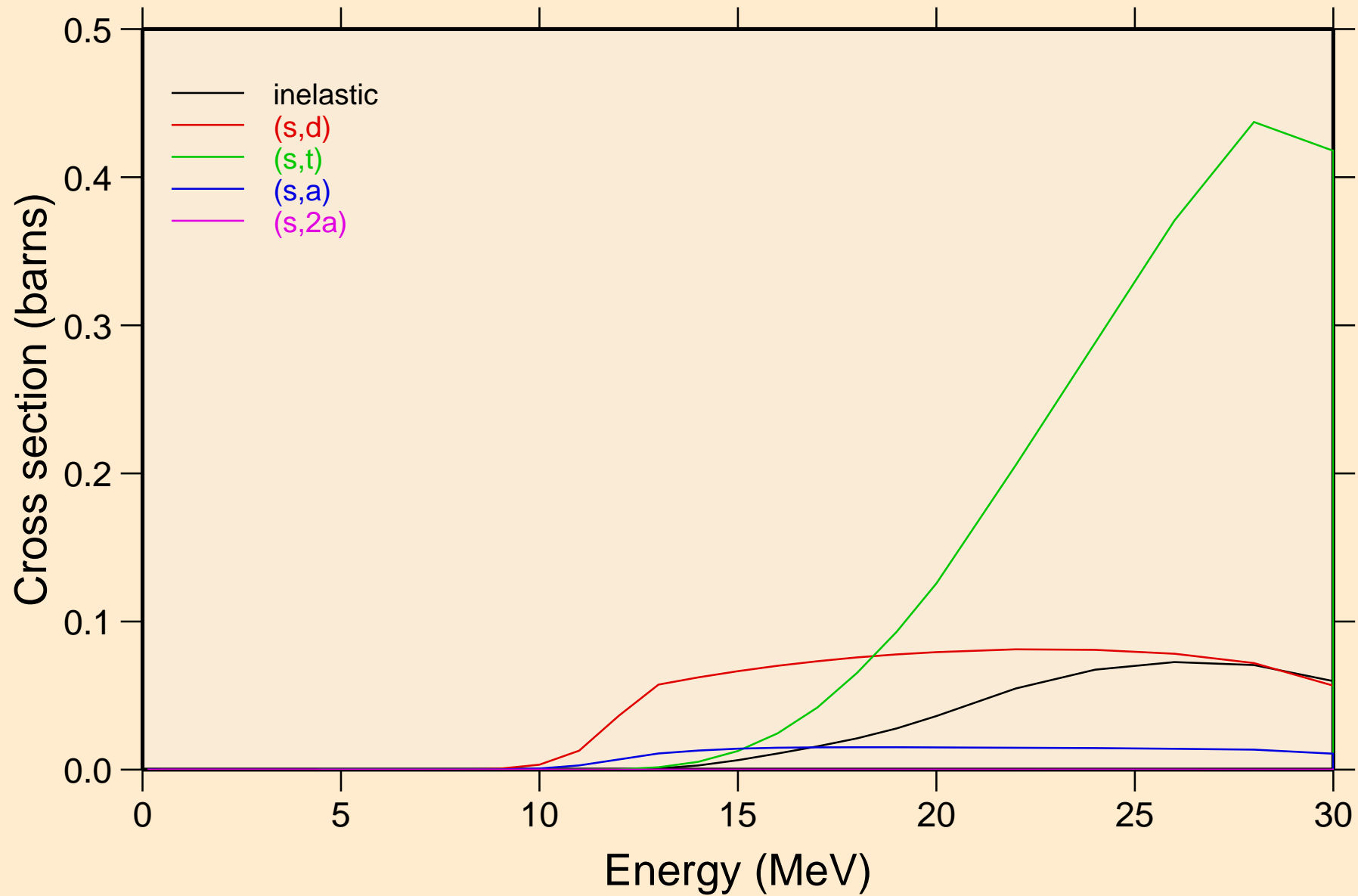




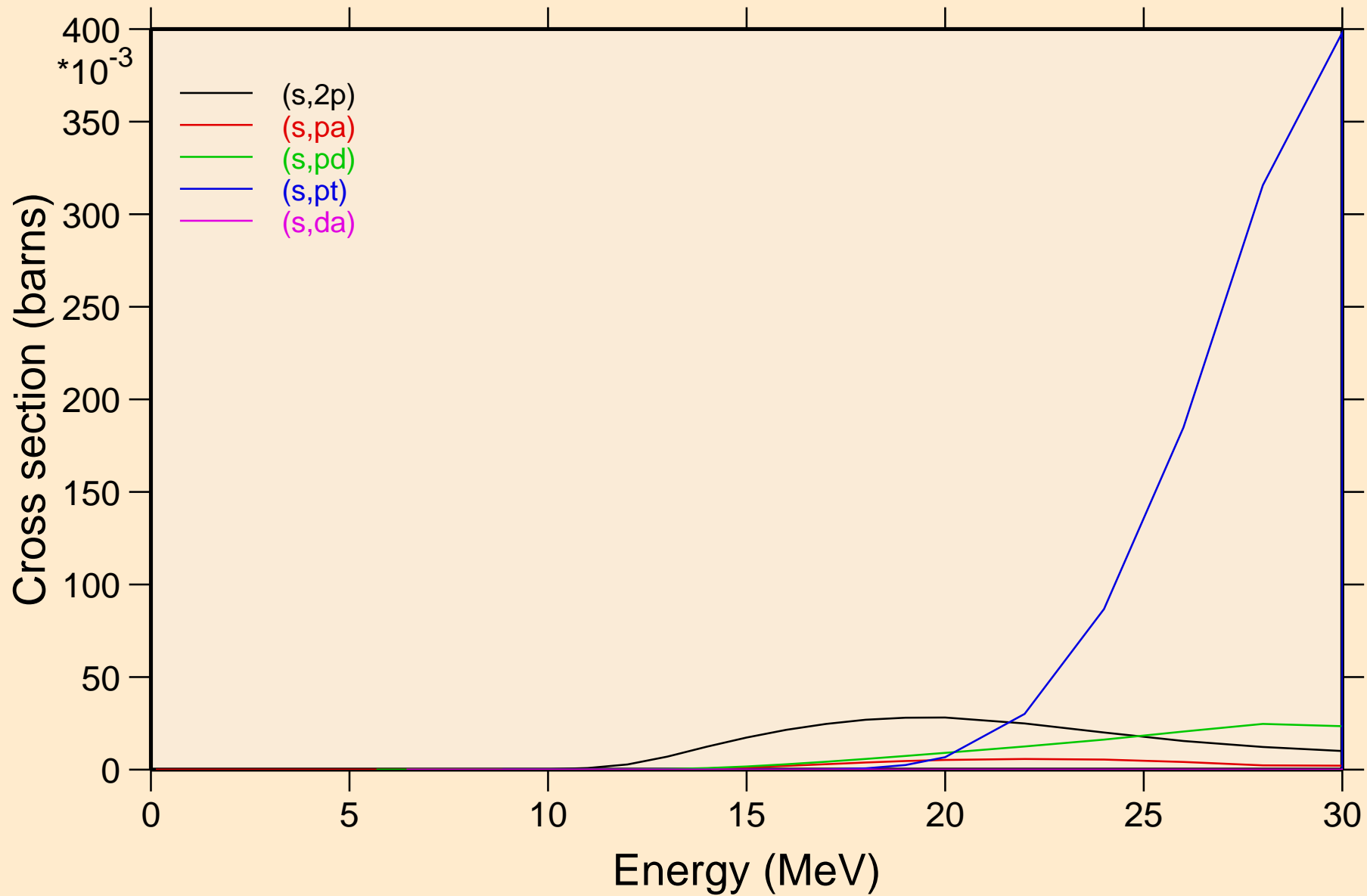
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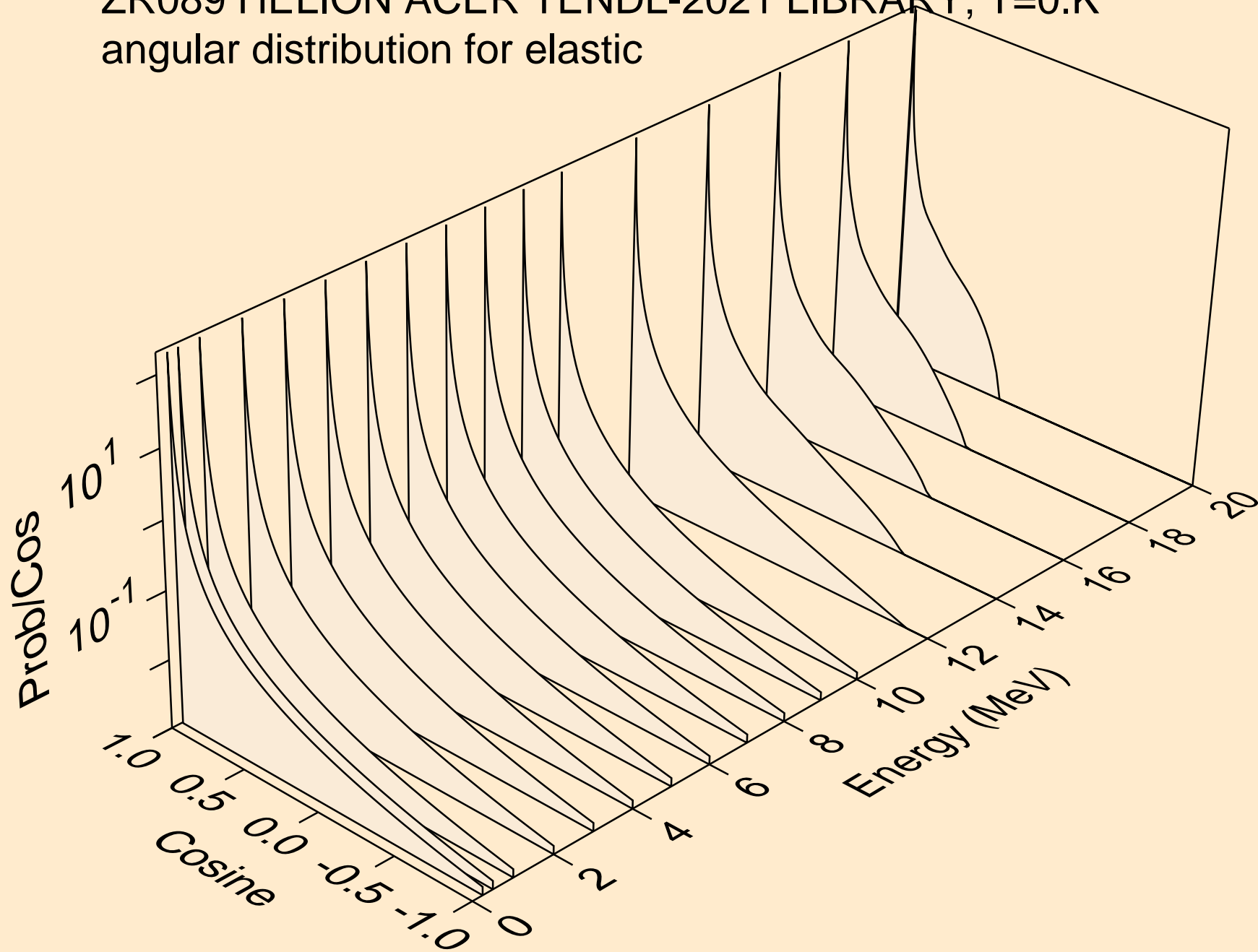
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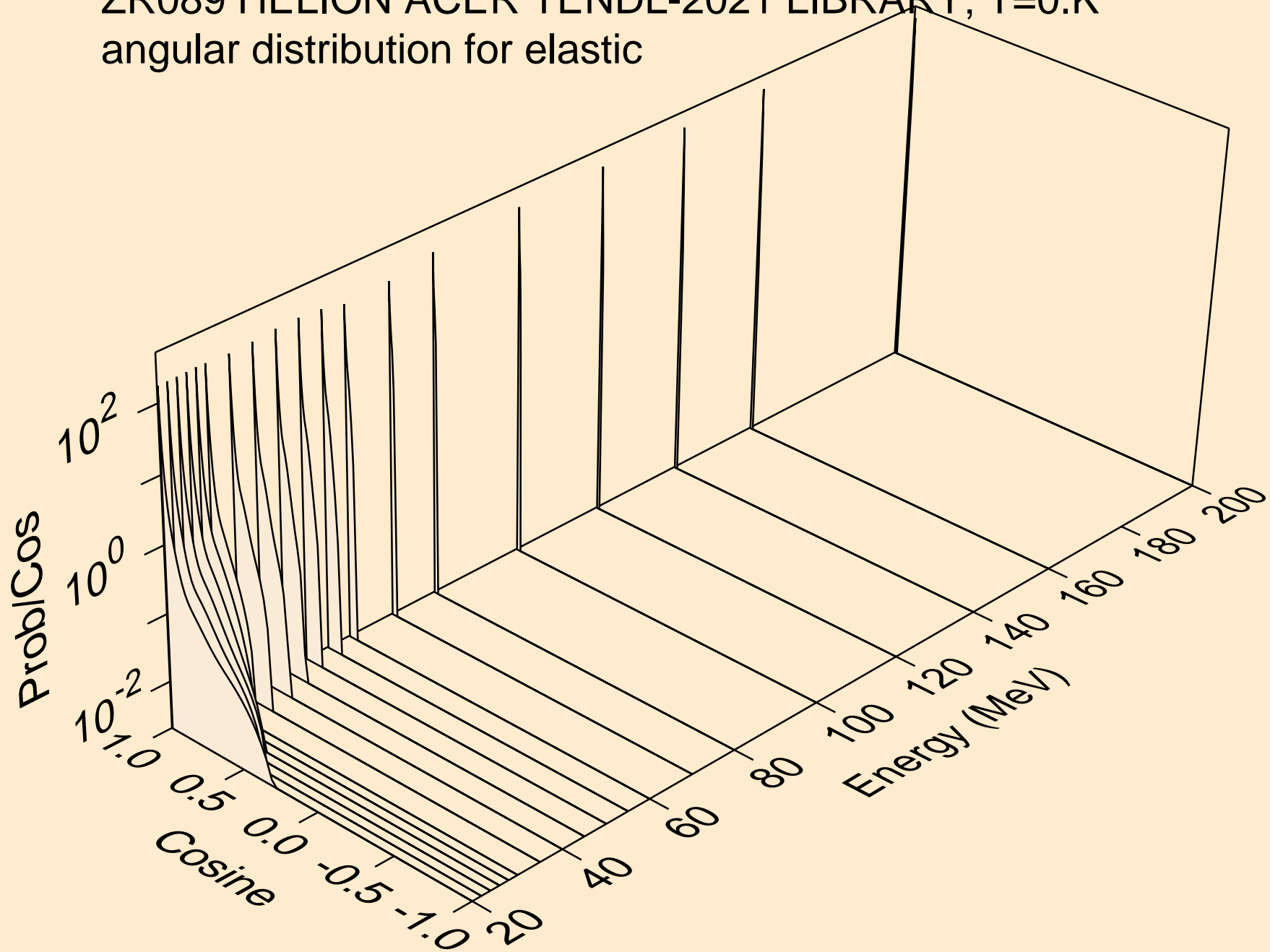
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Threshold reactions



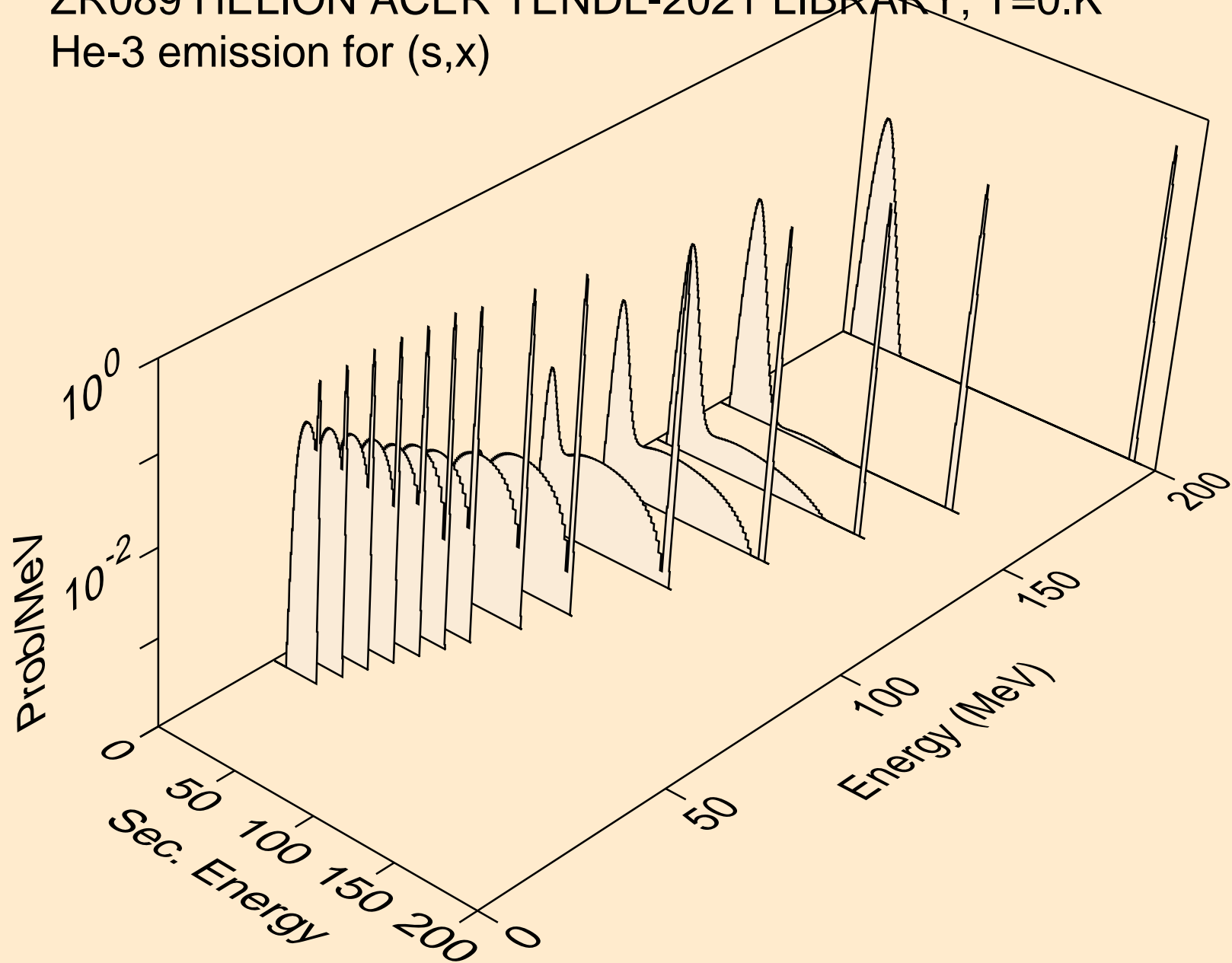
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angular distribution for elastic



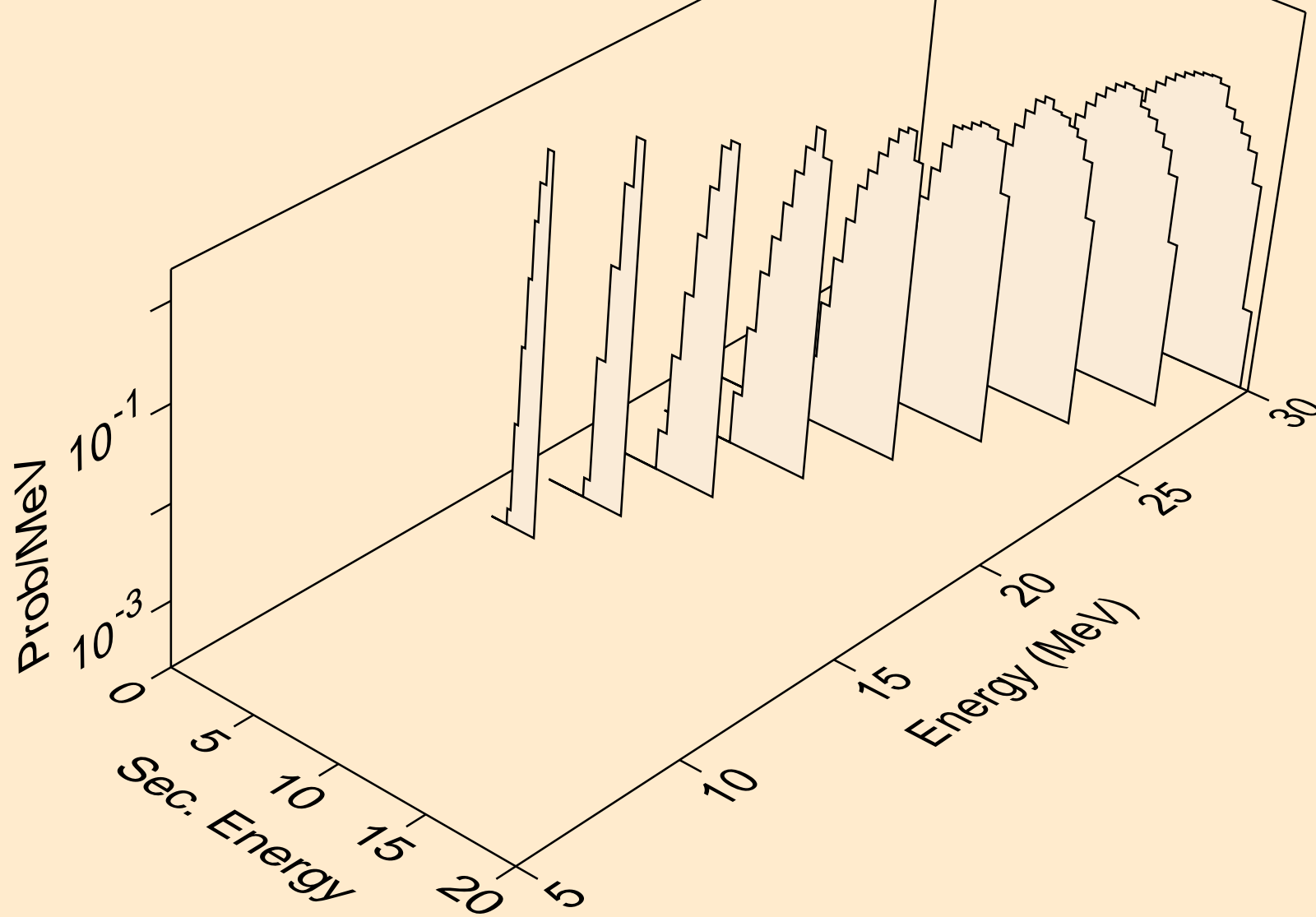
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angular distribution for elastic



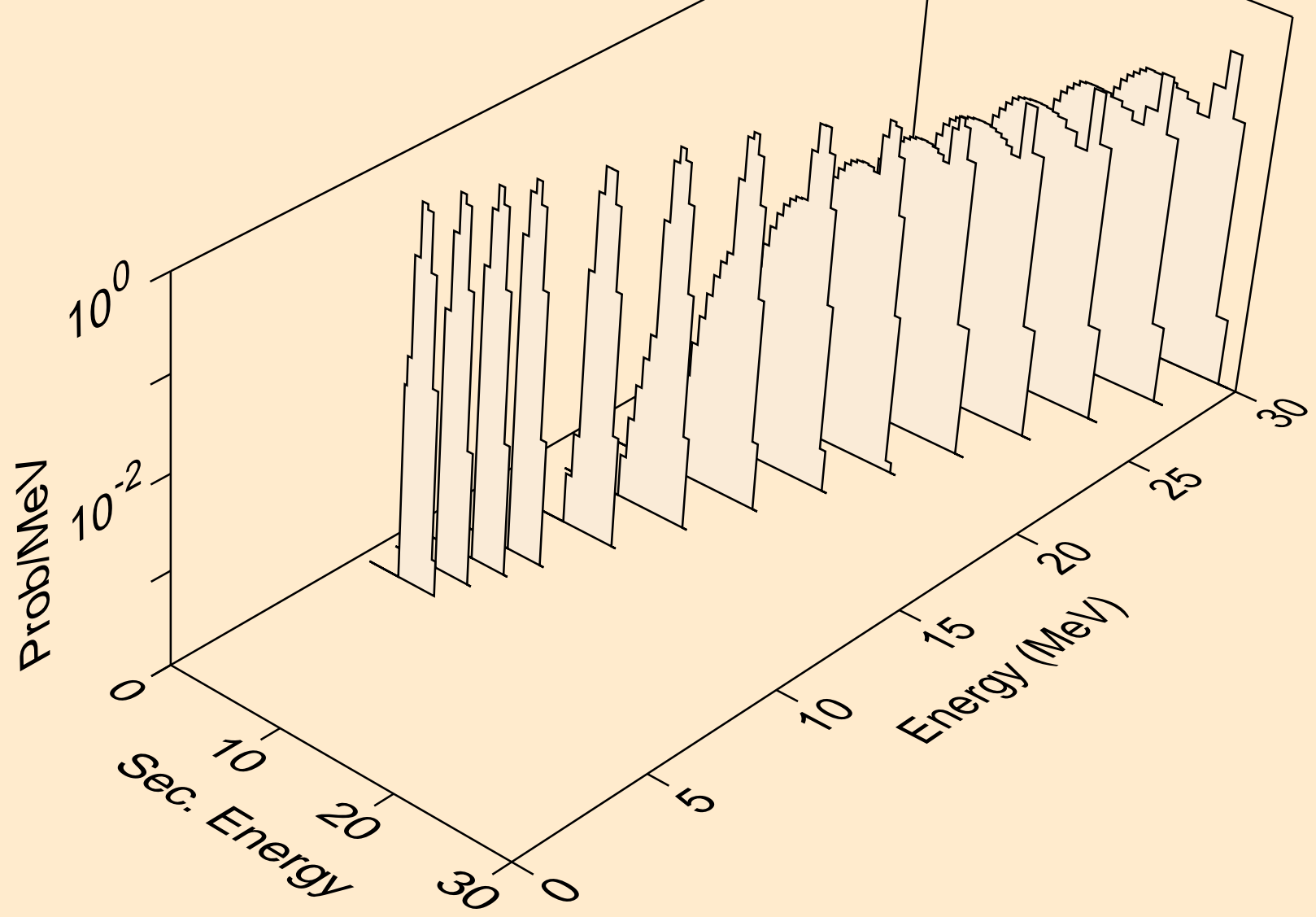
ZR089 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,x)



ZR089 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

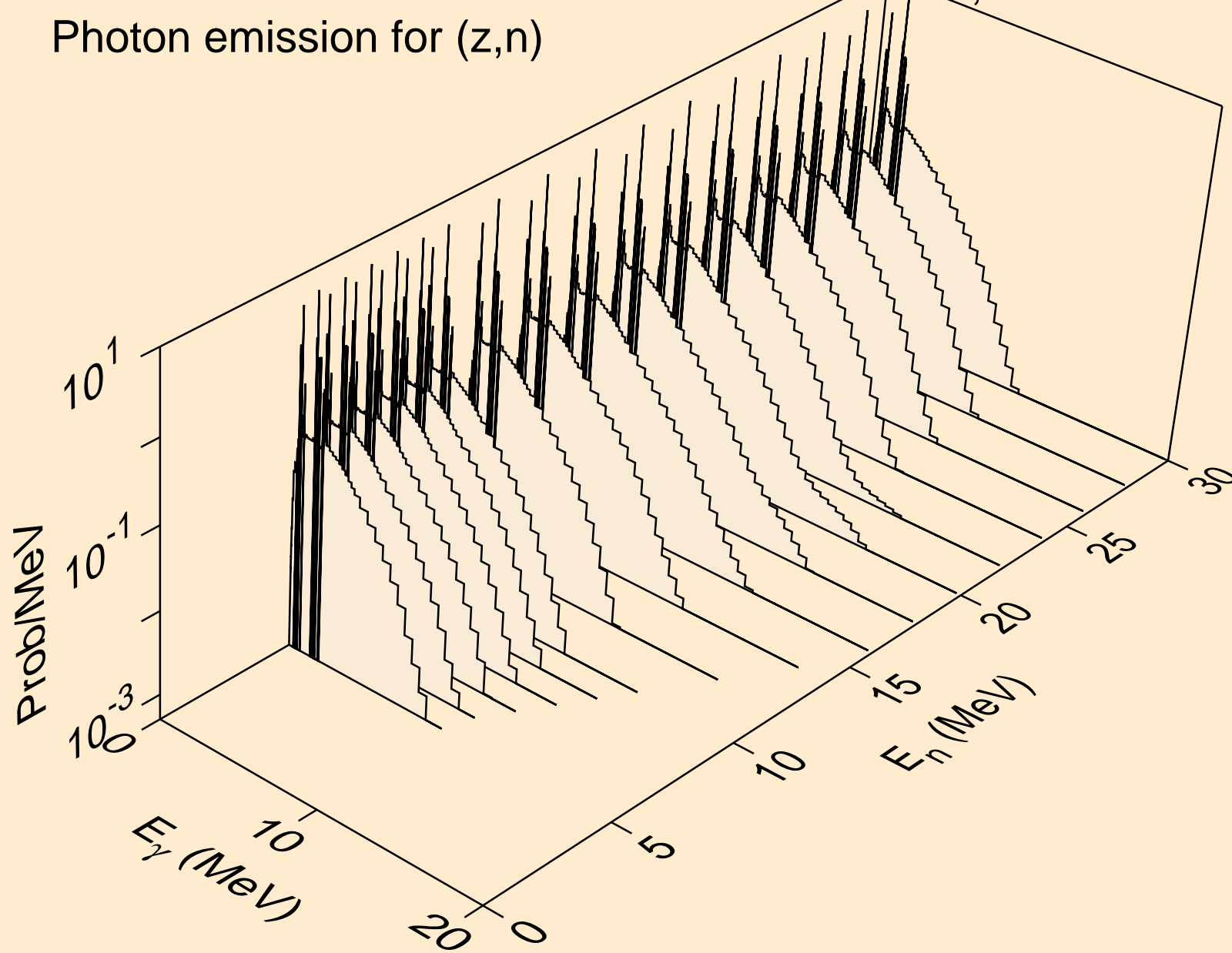


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He-3 emission for inelastic

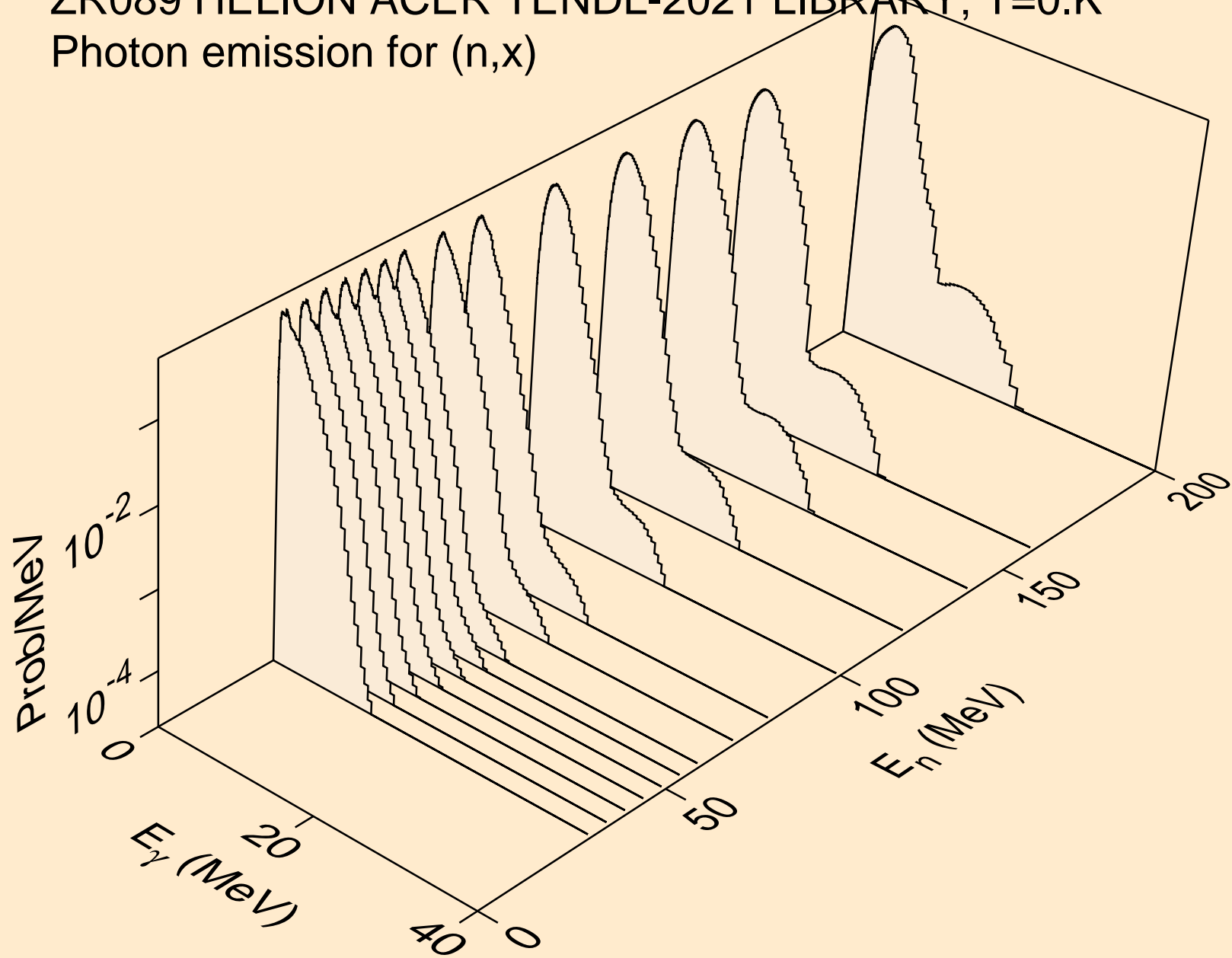




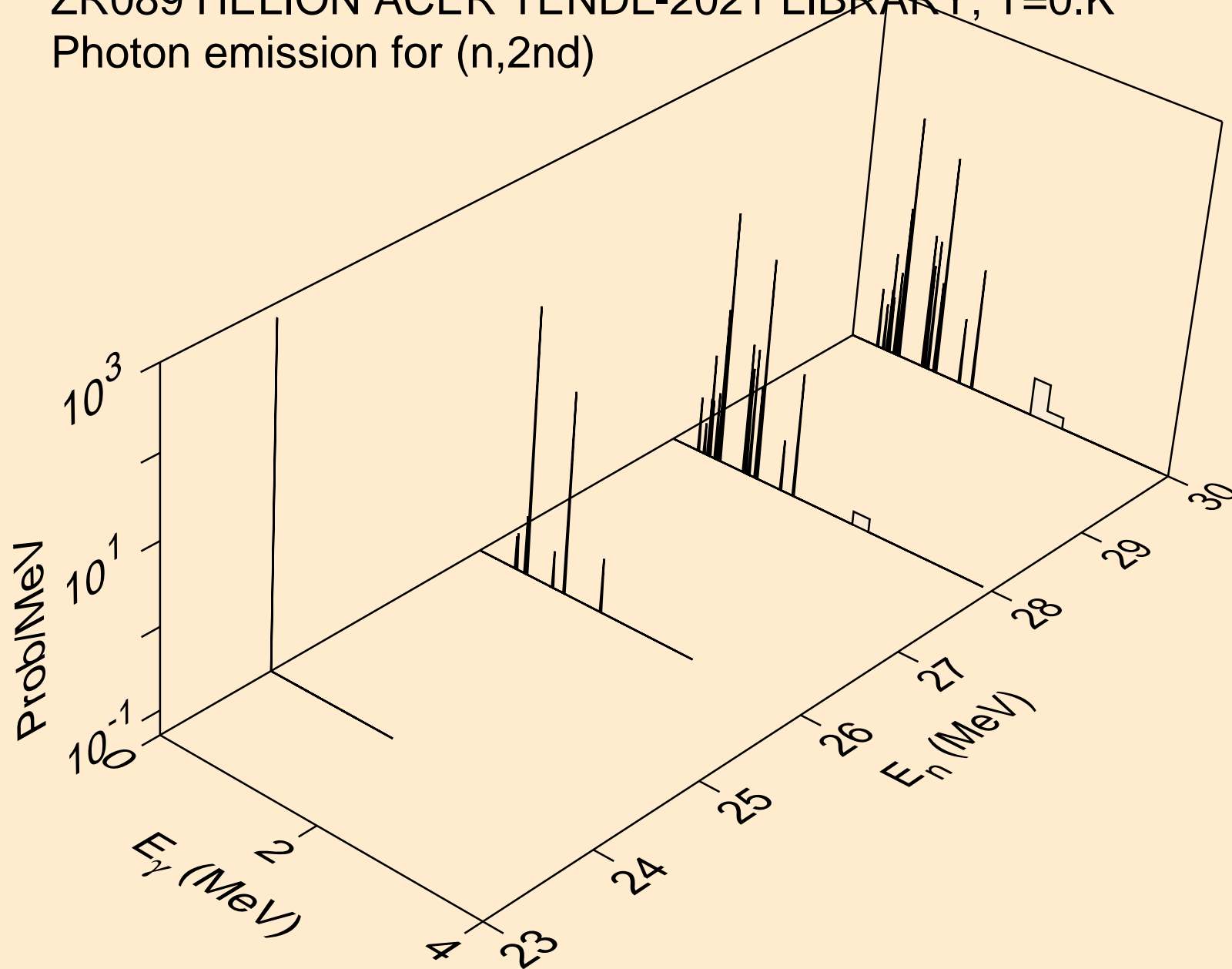
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Photon emission for (z,n)



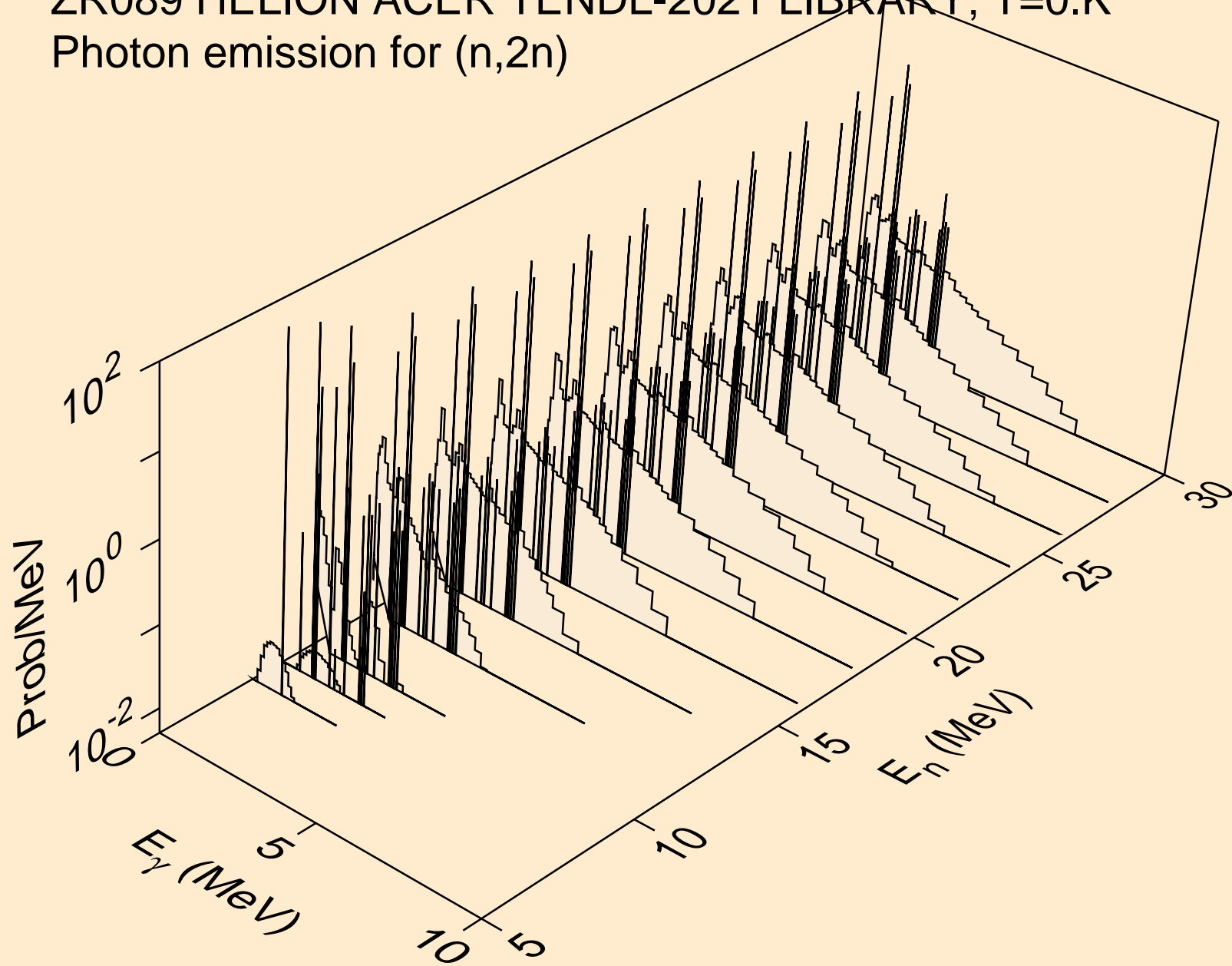
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Photon emission for (n,x)



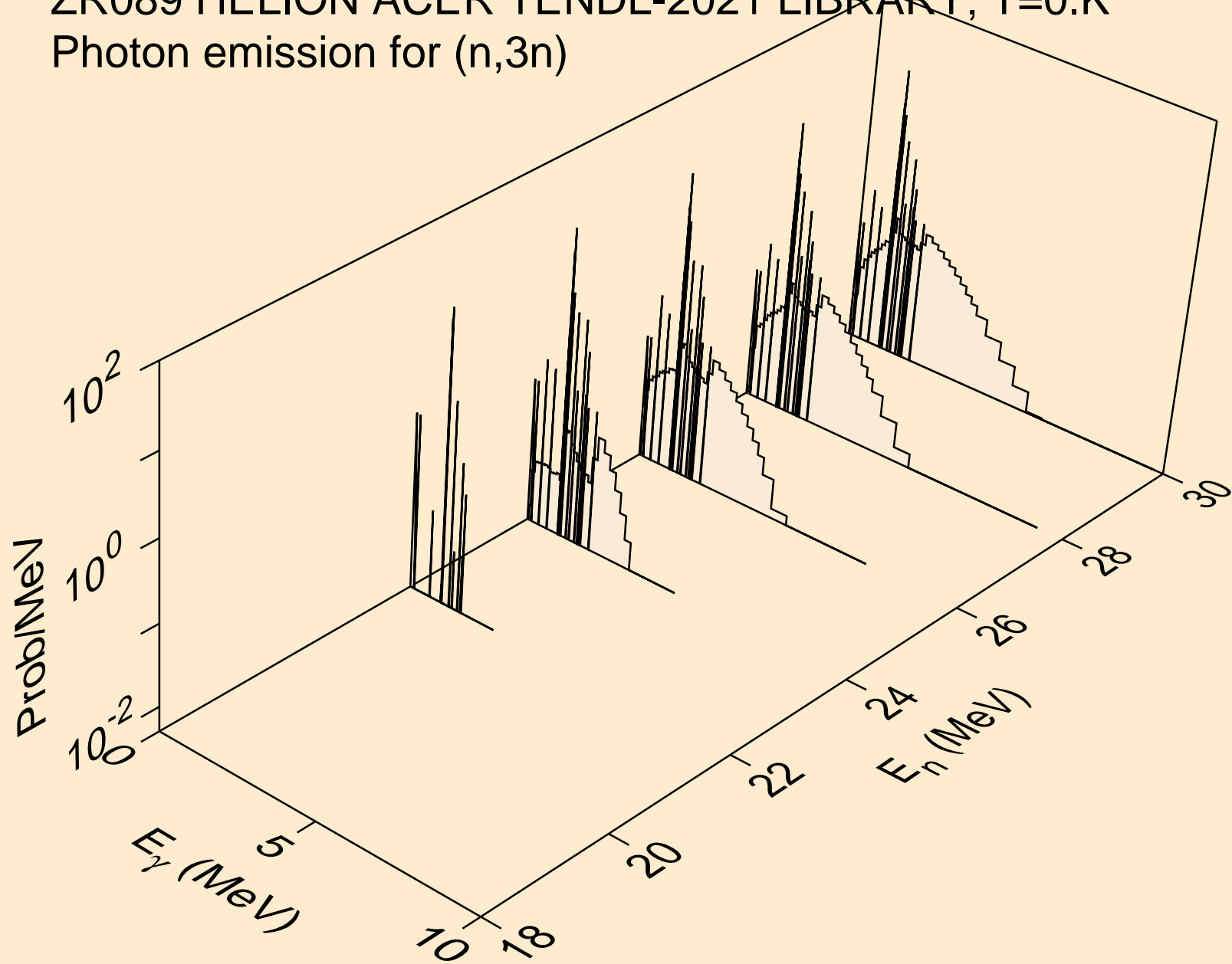
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Photon emission for (n,2nd)



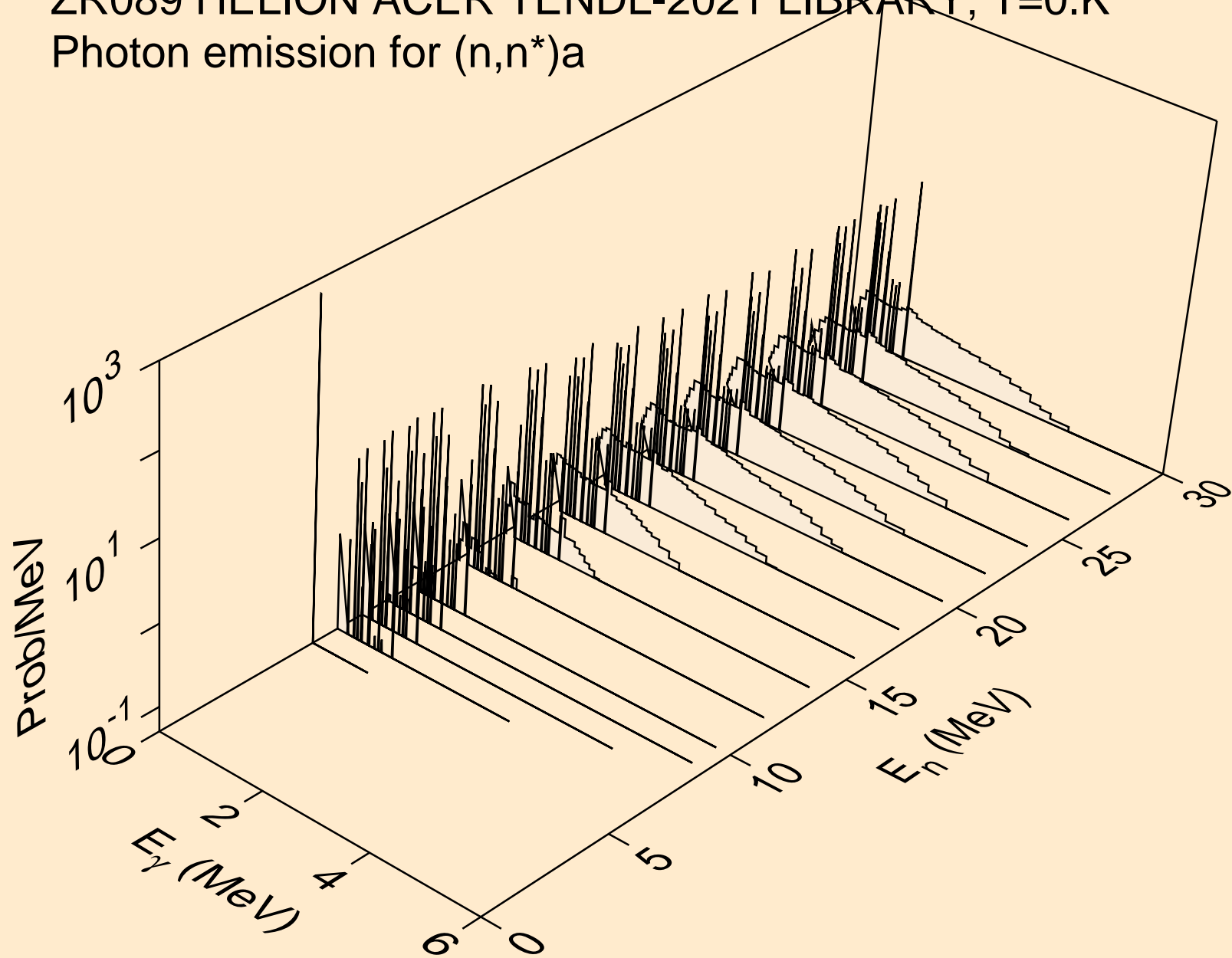
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Photon emission for (n,2n)



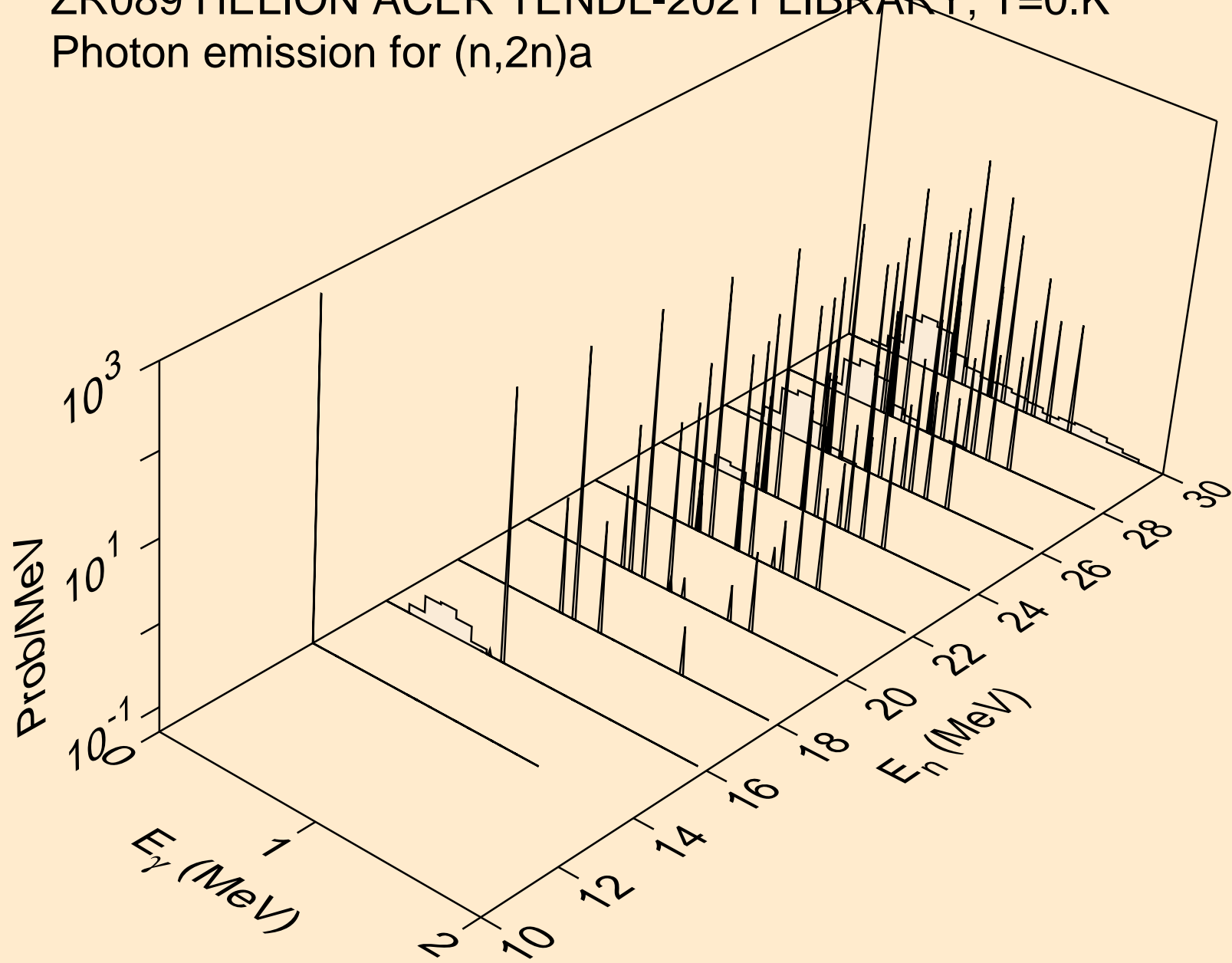
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Photon emission for (n,3n)



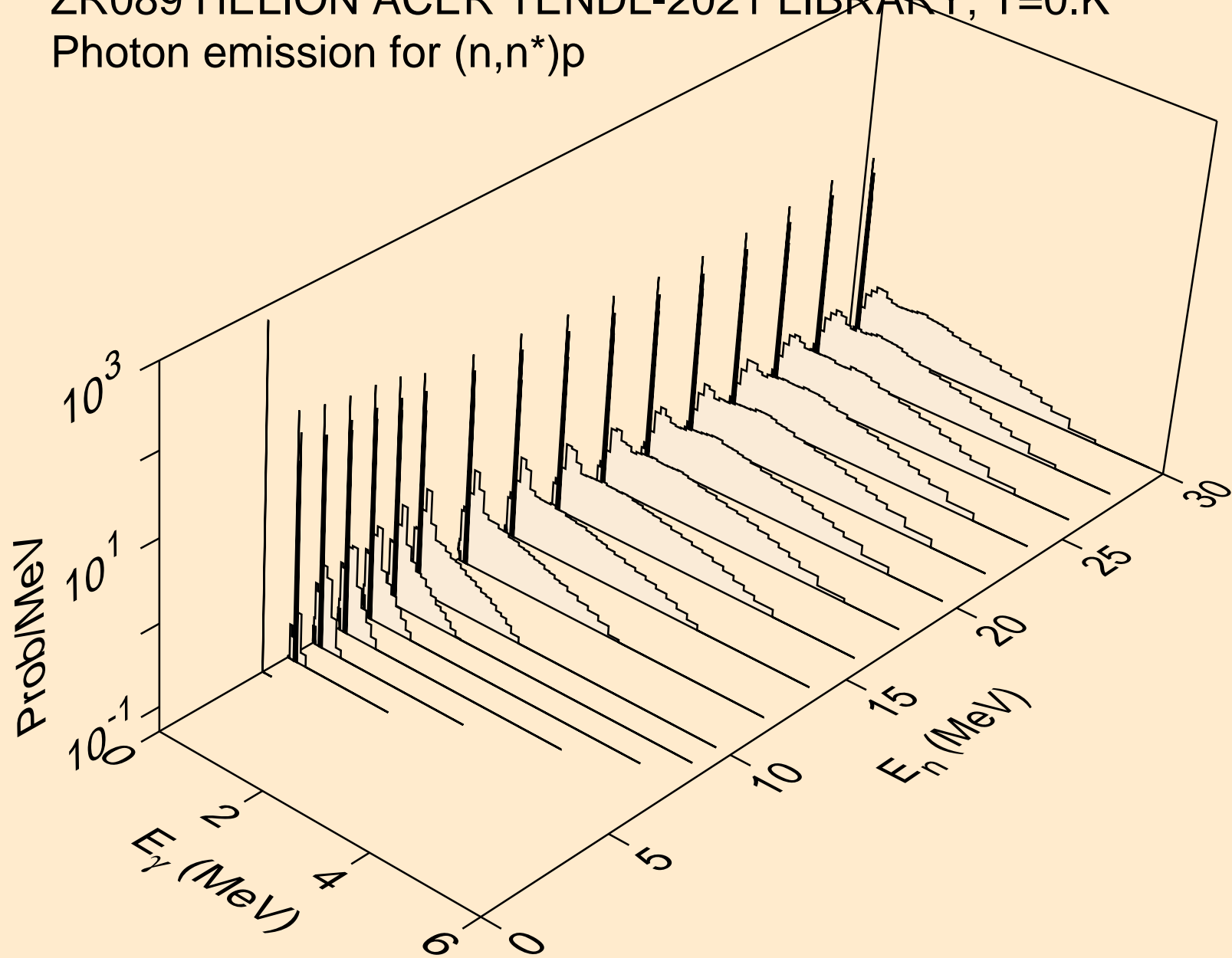
ZR089 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



ZR089 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)a

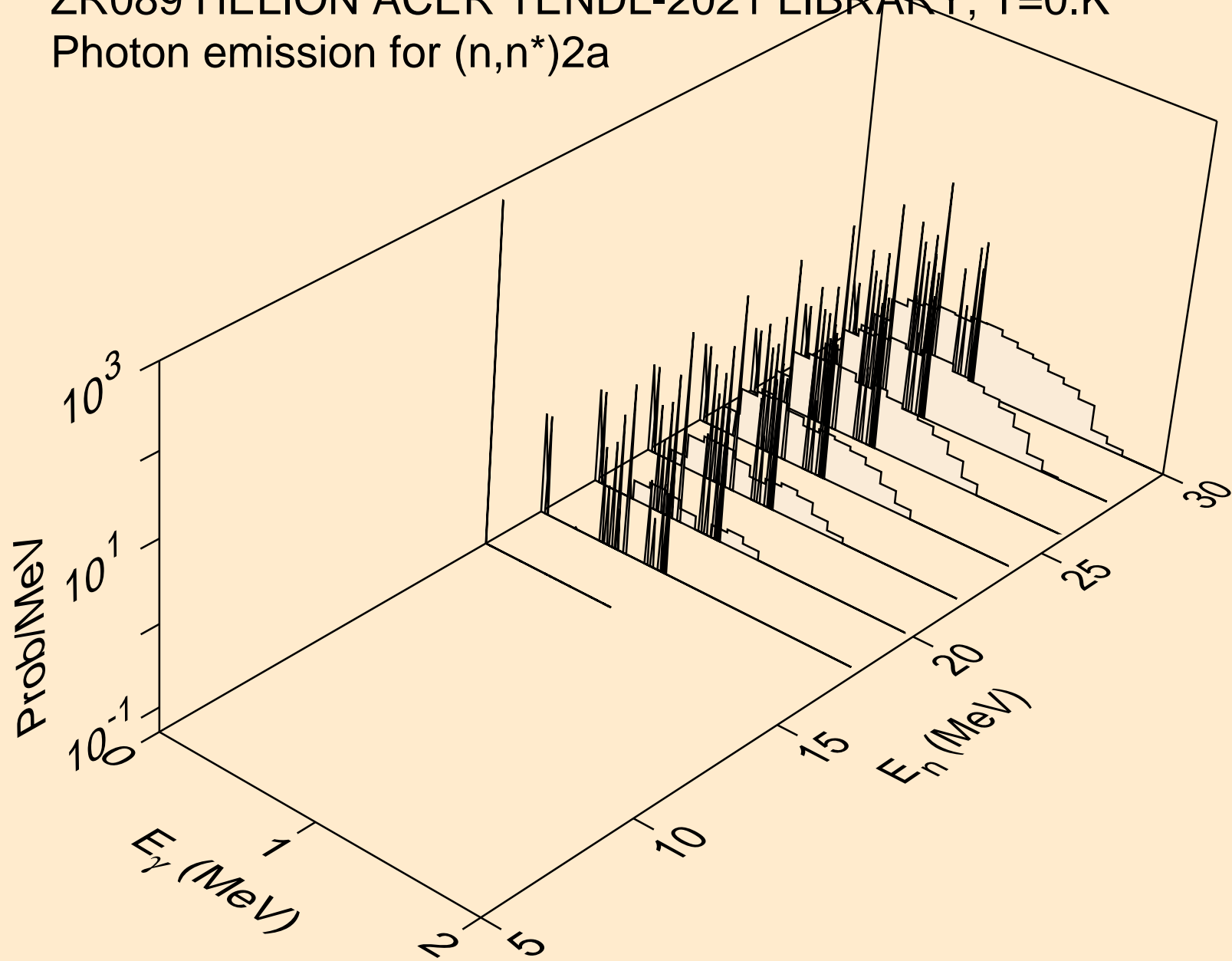


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Photon emission for (n,n\*)p

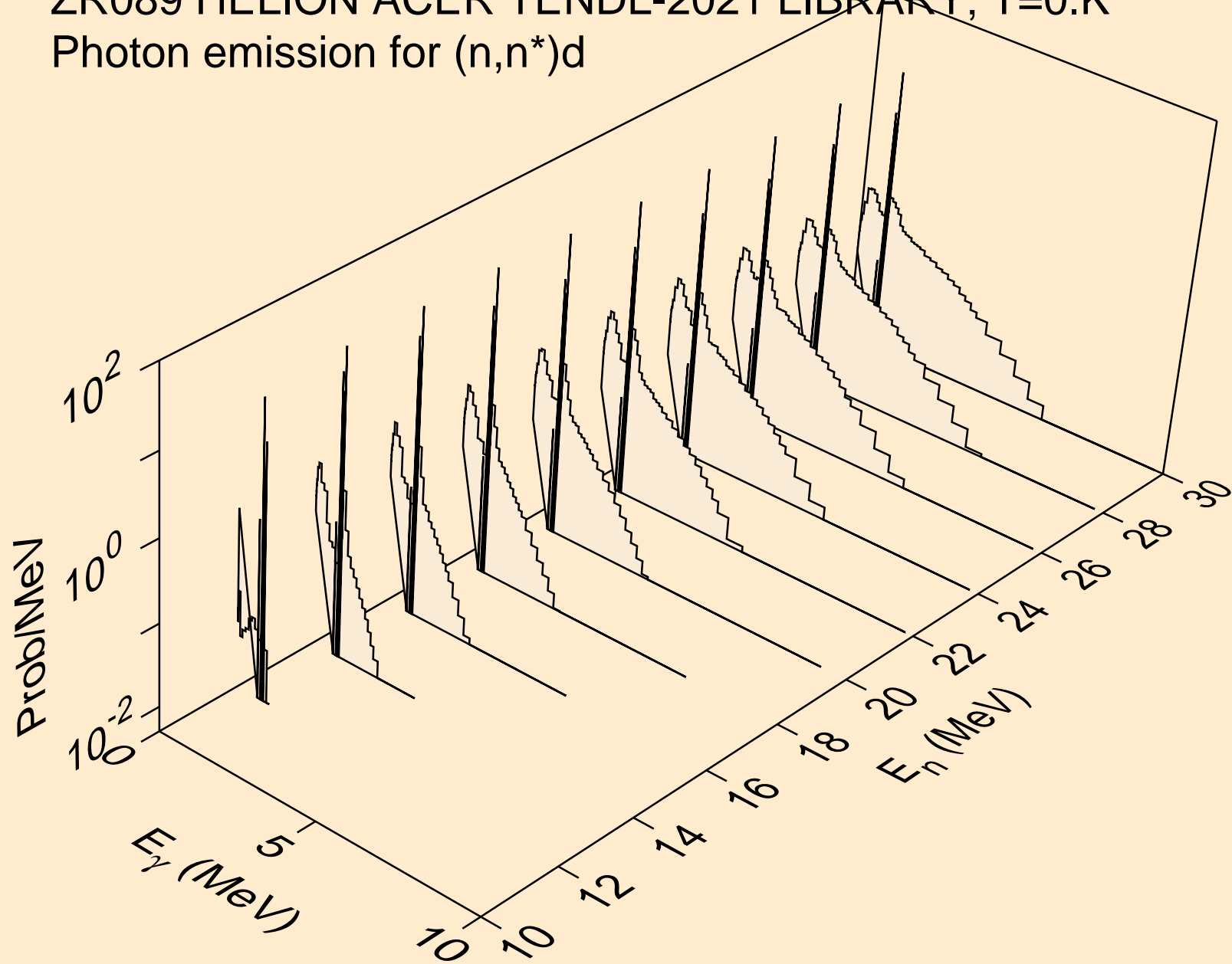




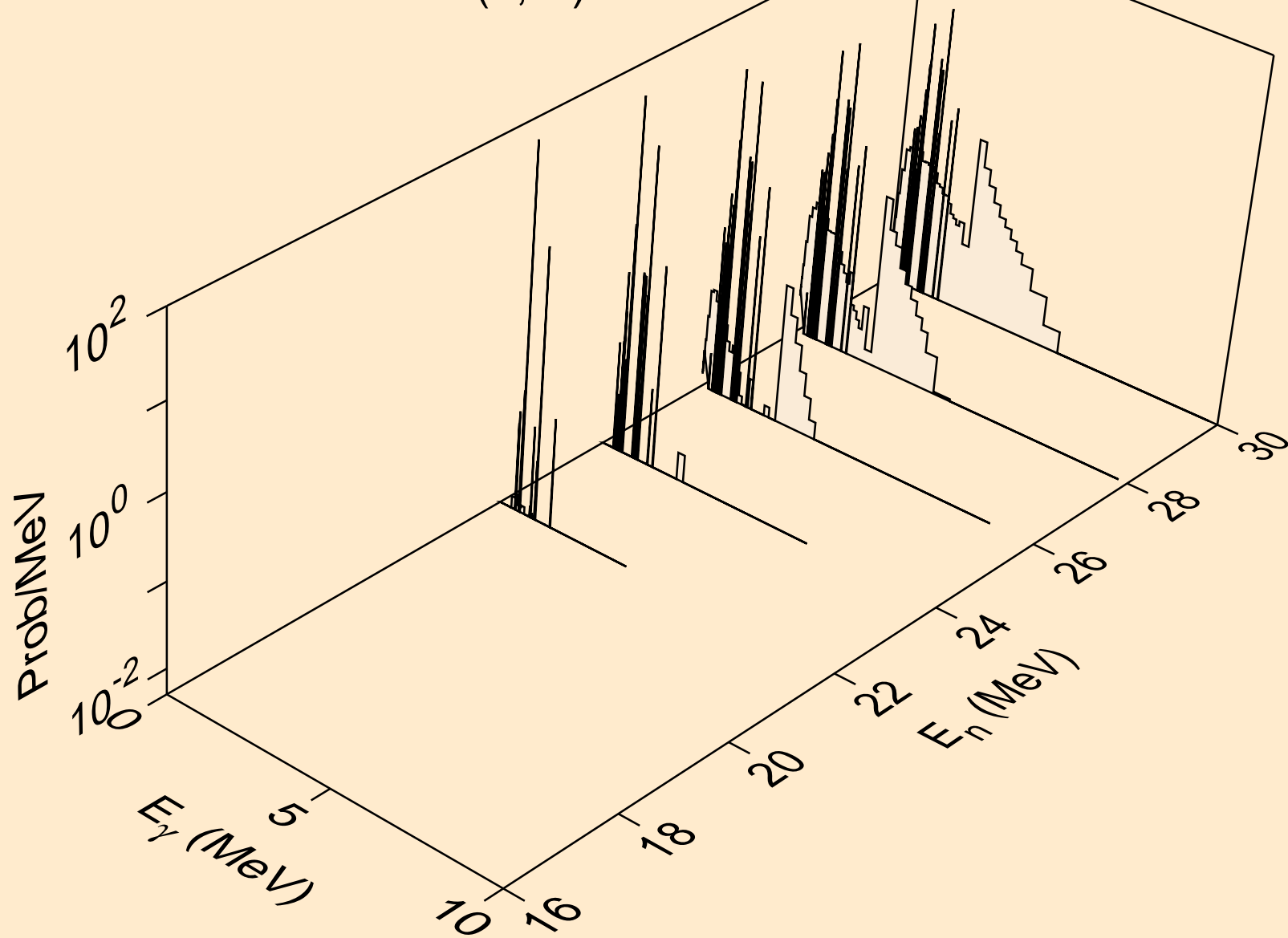
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Photon emission for (n,n\*)2a



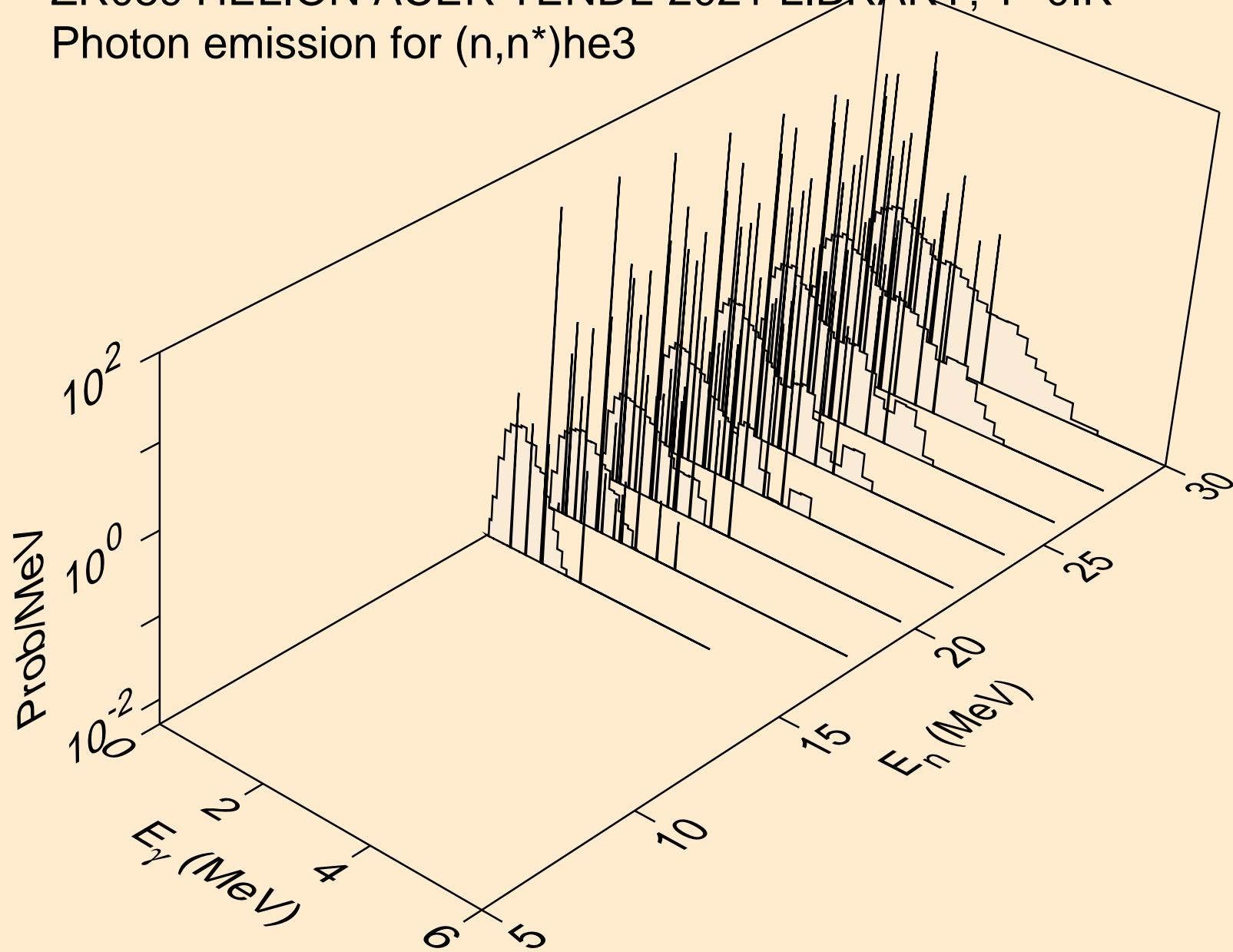
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Photon emission for (n,n\*)d



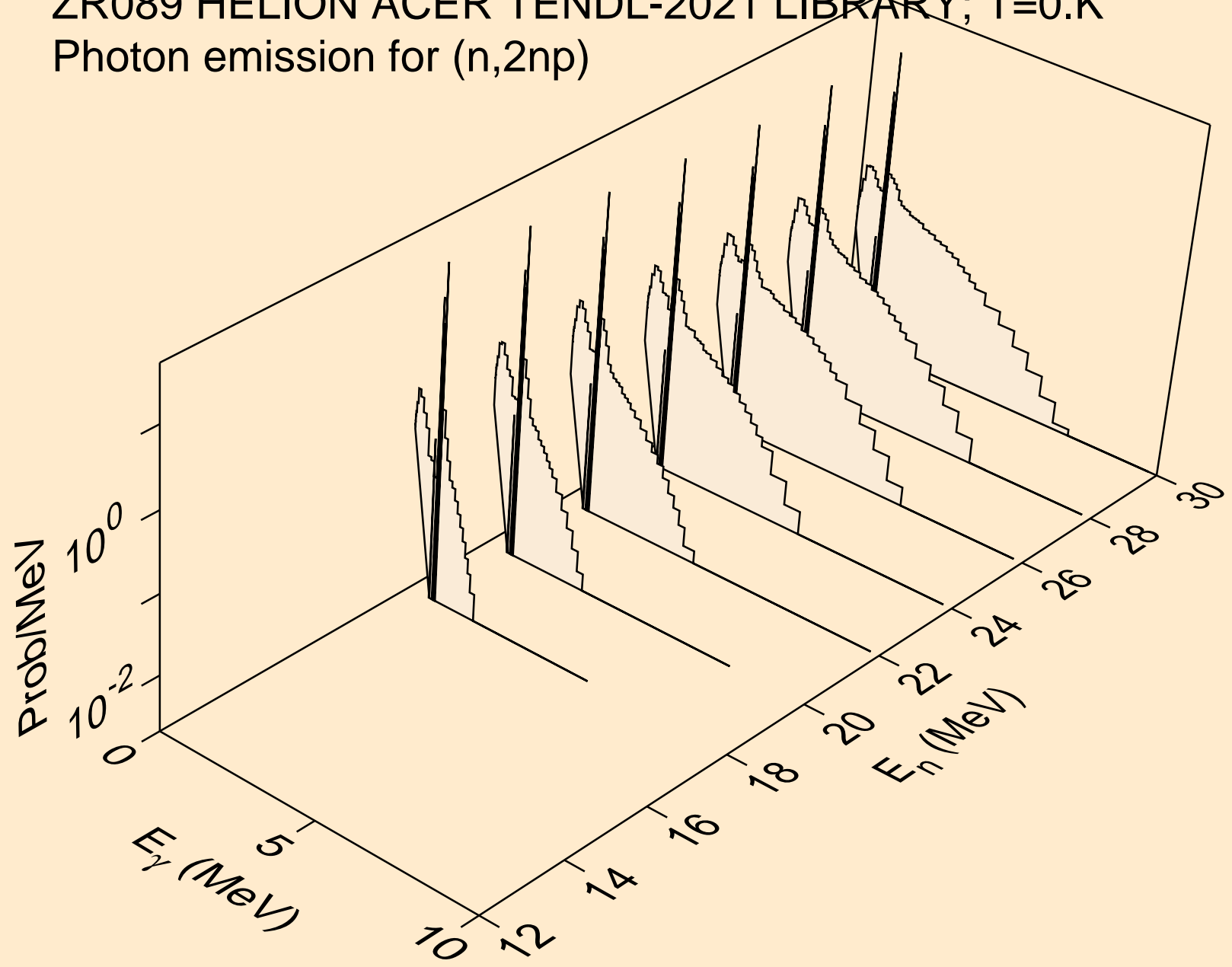
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Photon emission for (n,n\*)t



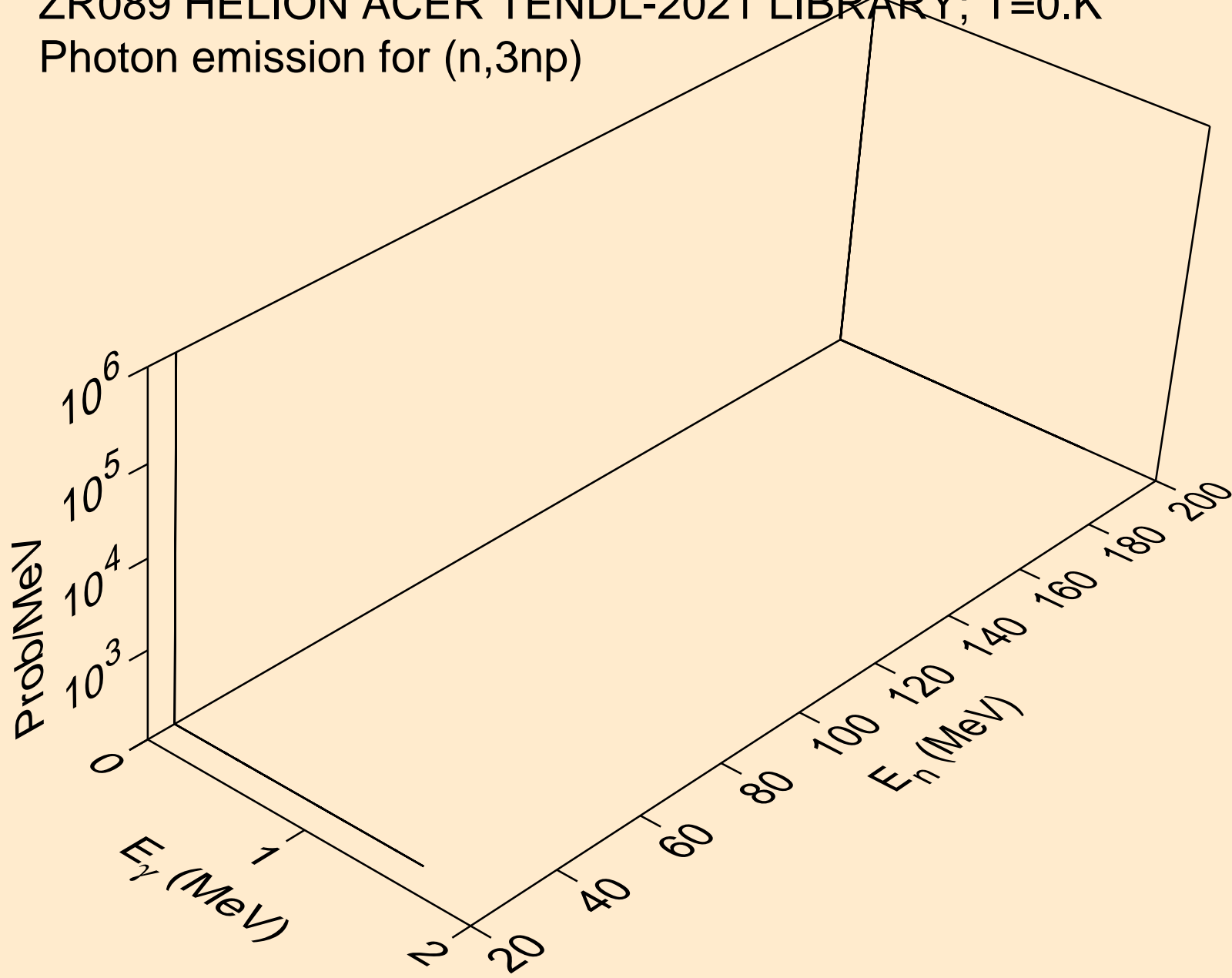
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Photon emission for (n,n\*)he3



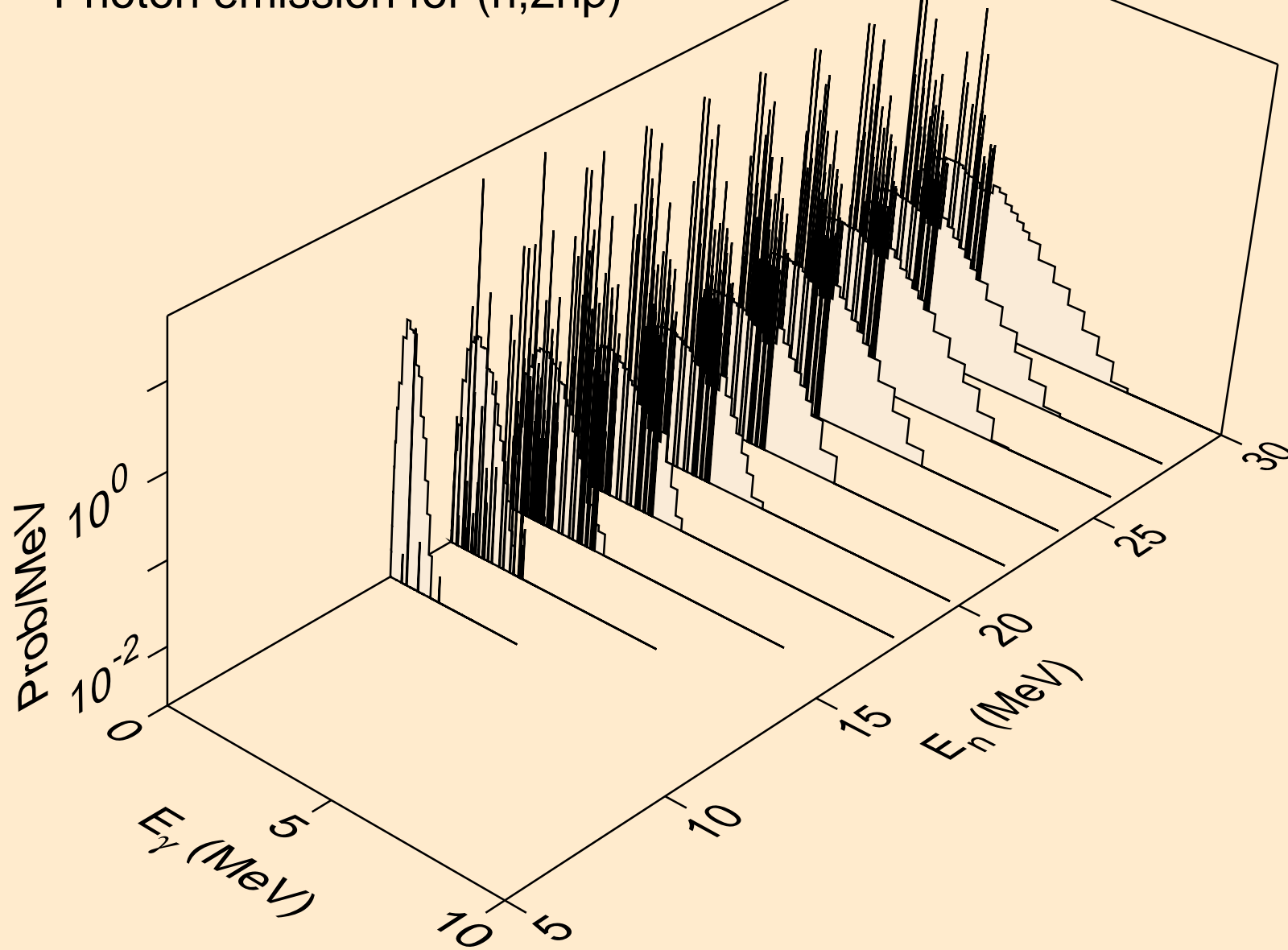
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Photon emission for (n,2np)



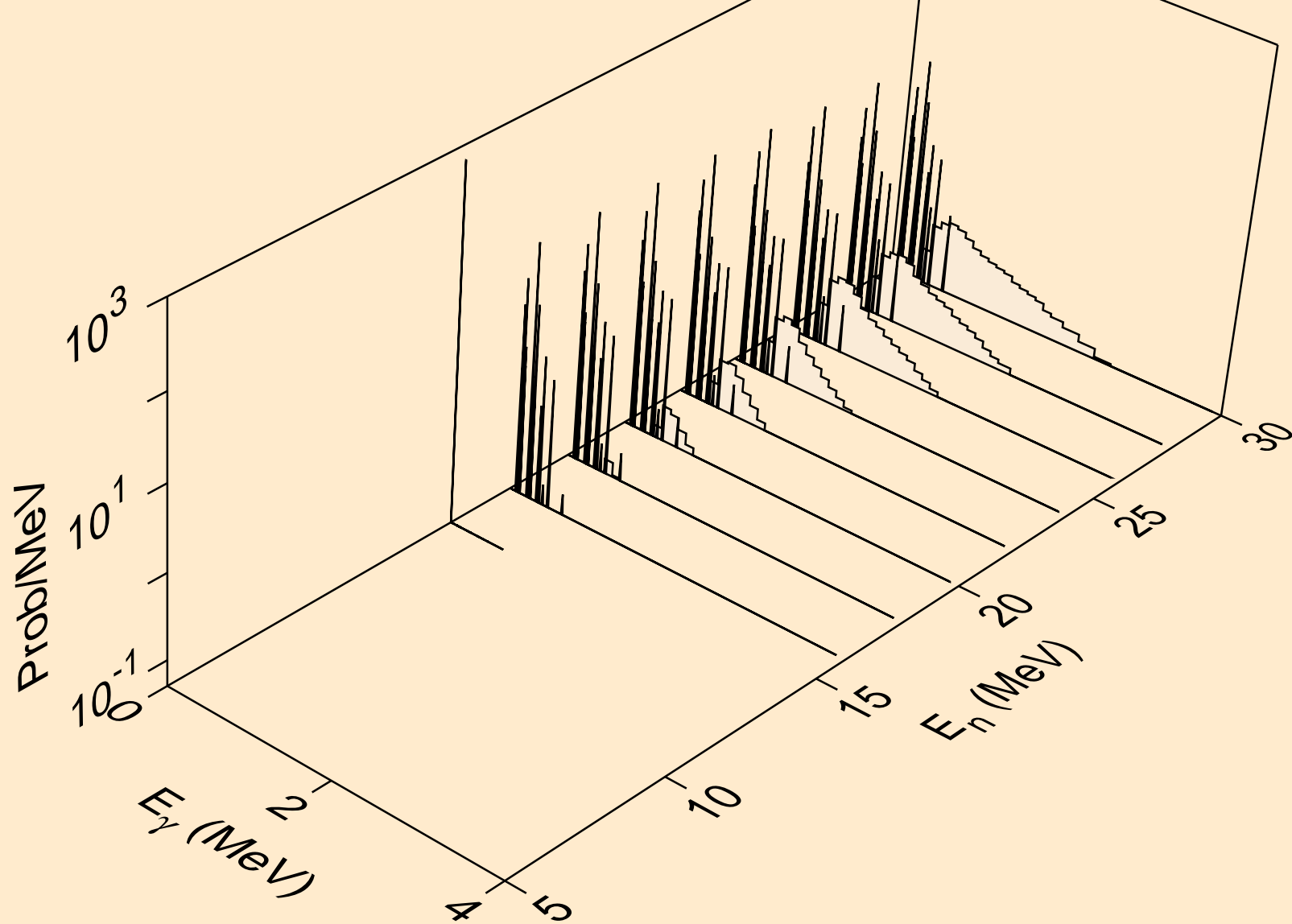
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Photon emission for (n,3np)



ZR089 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)

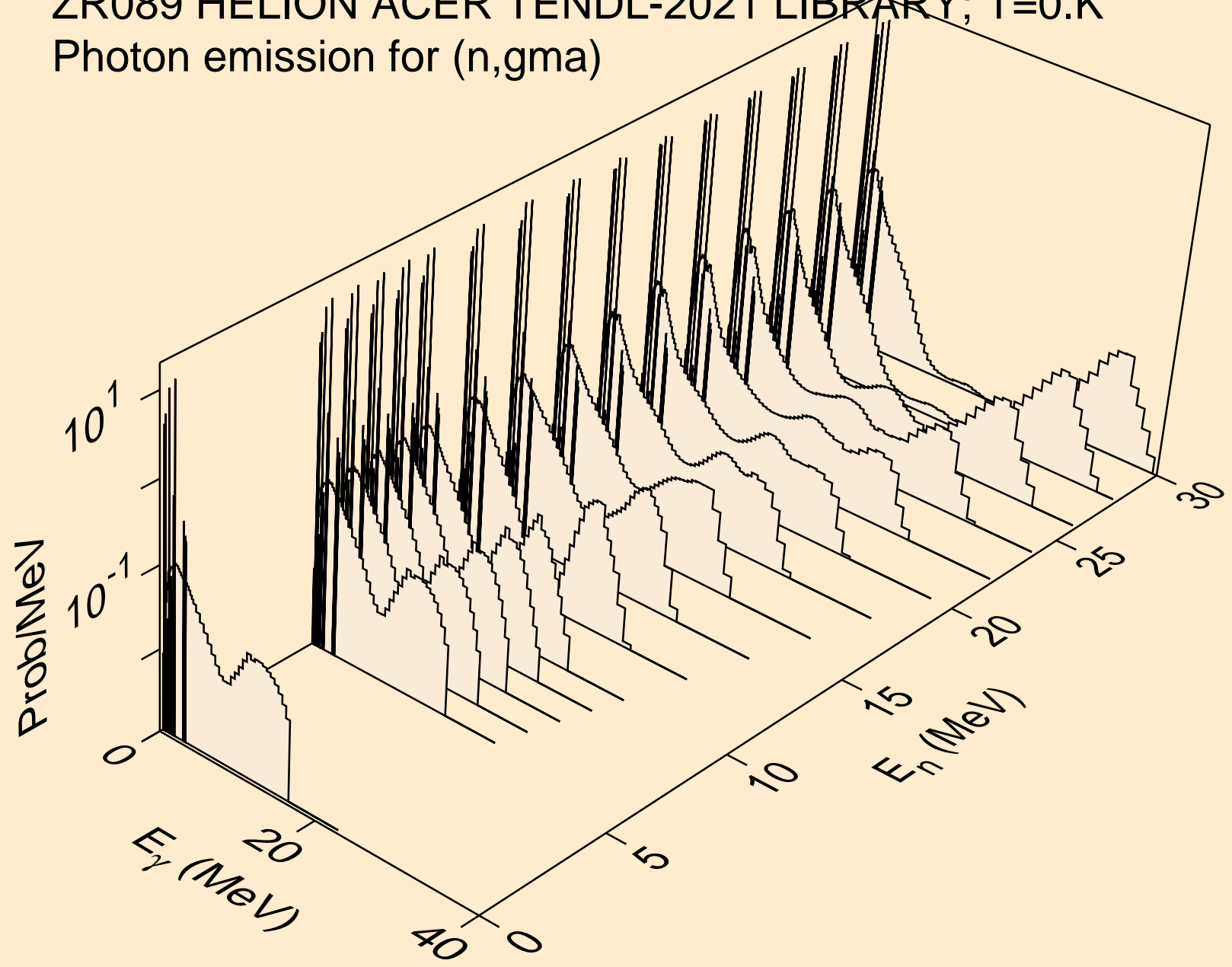


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Photon emission for (n,npa)

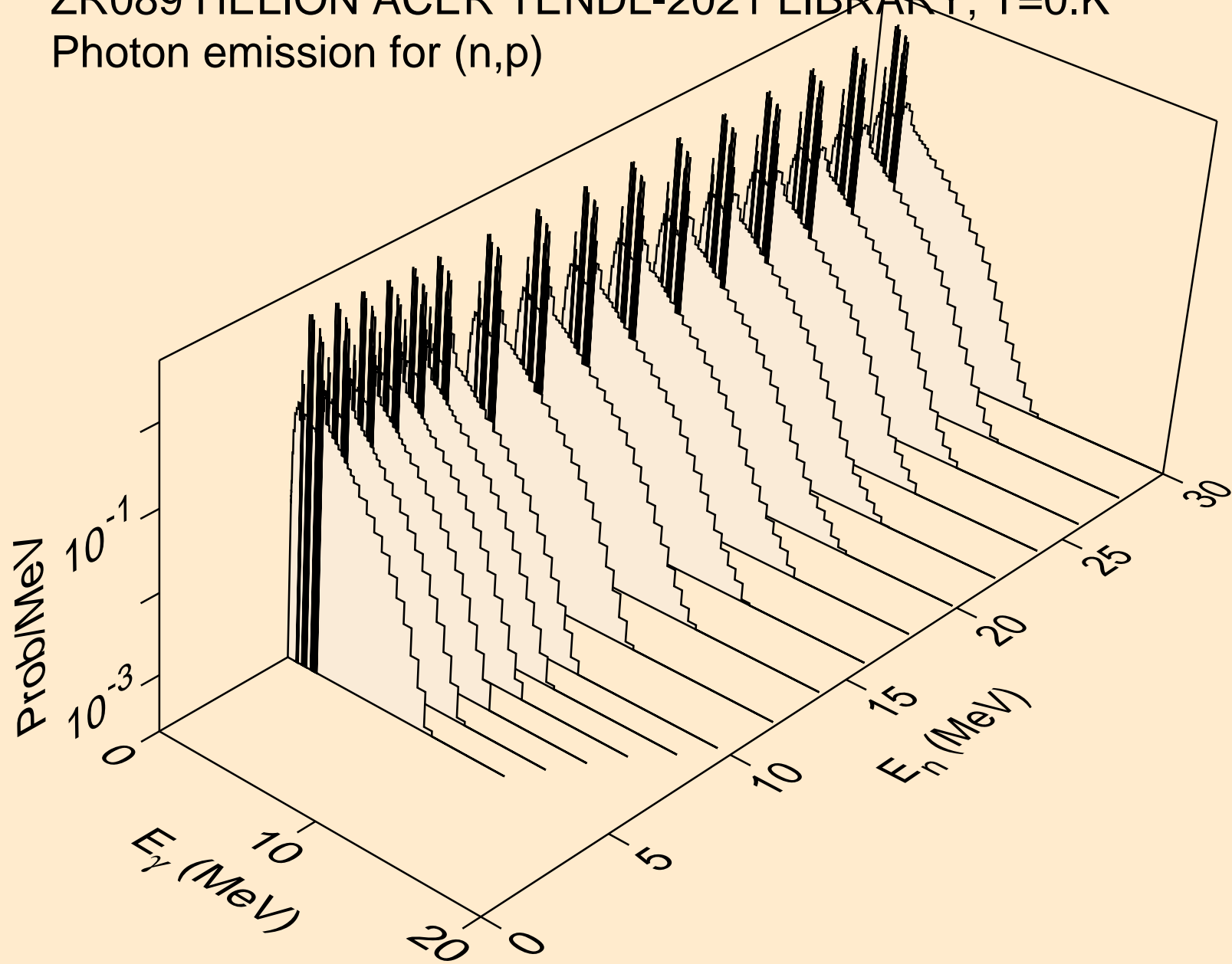




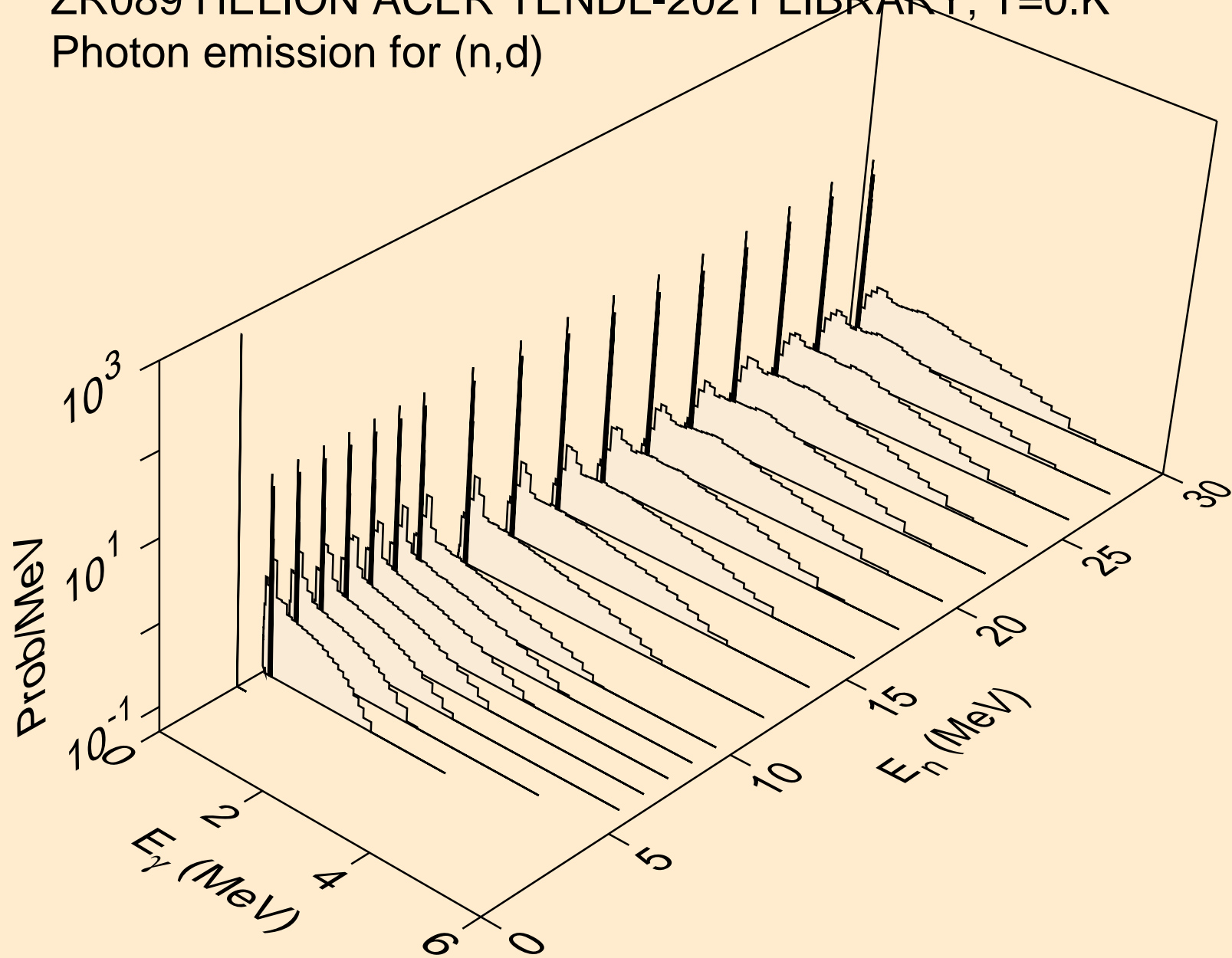
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Photon emission for (n,gma)



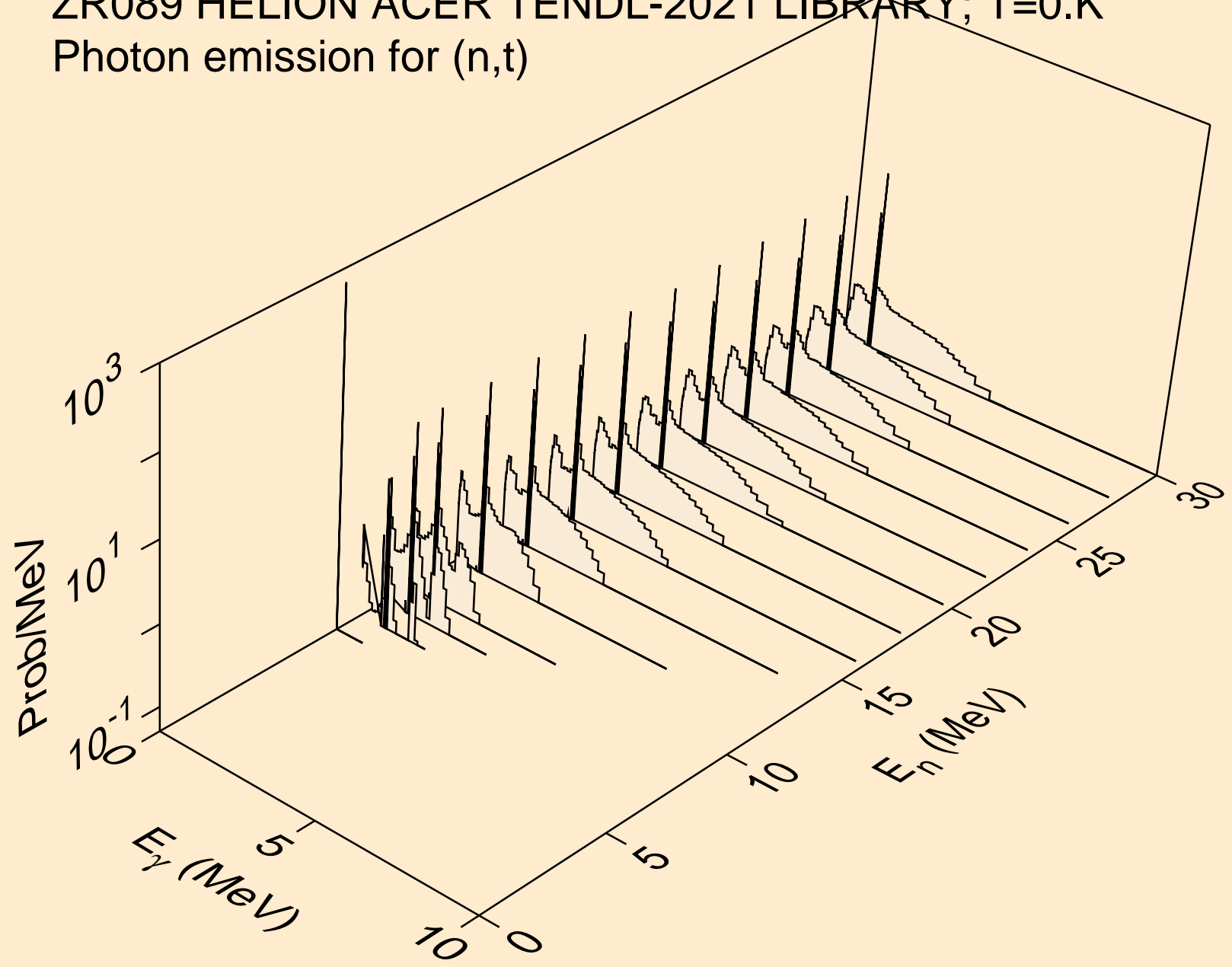
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Photon emission for (n,p)



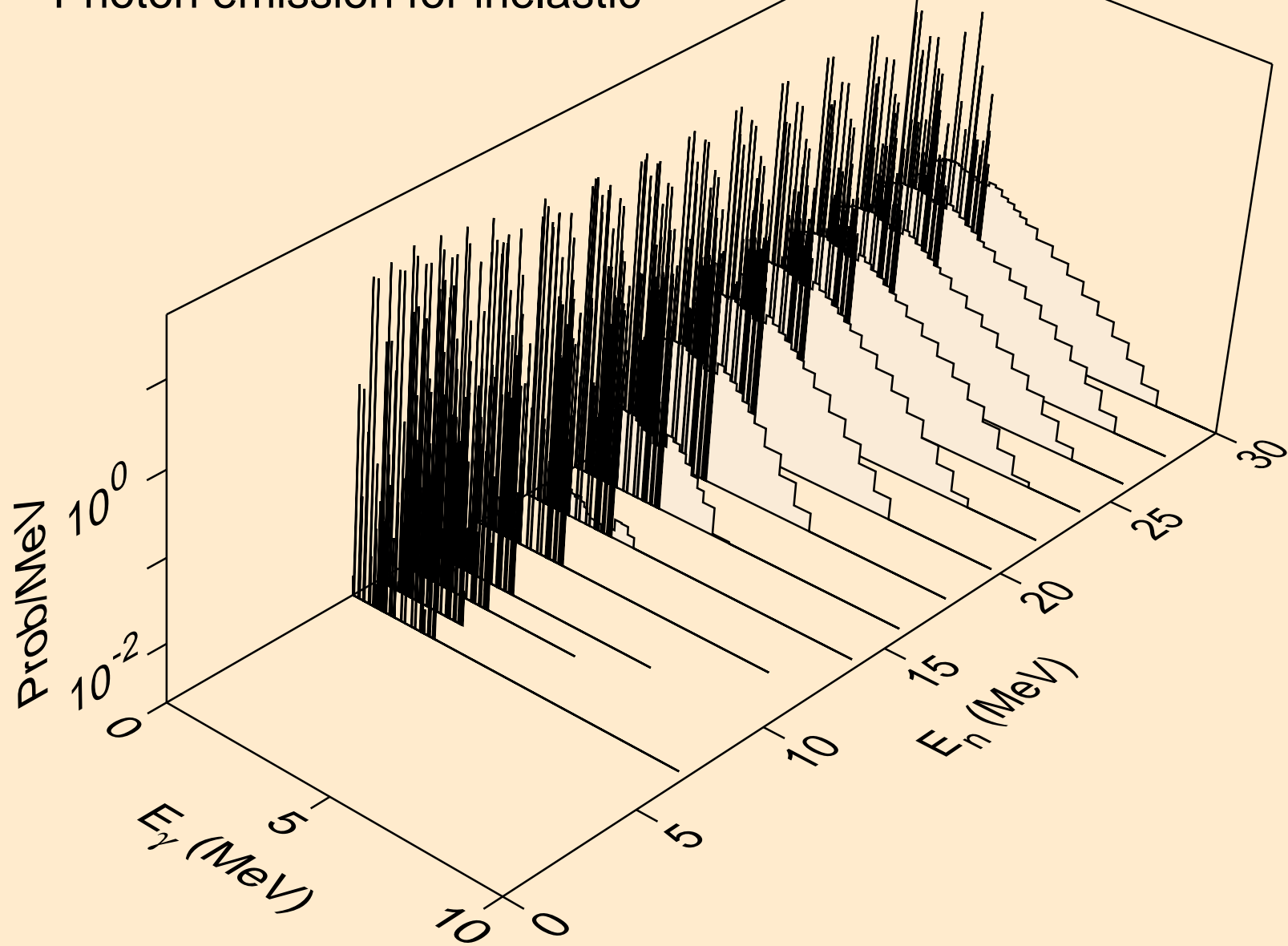
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Photon emission for (n,d)



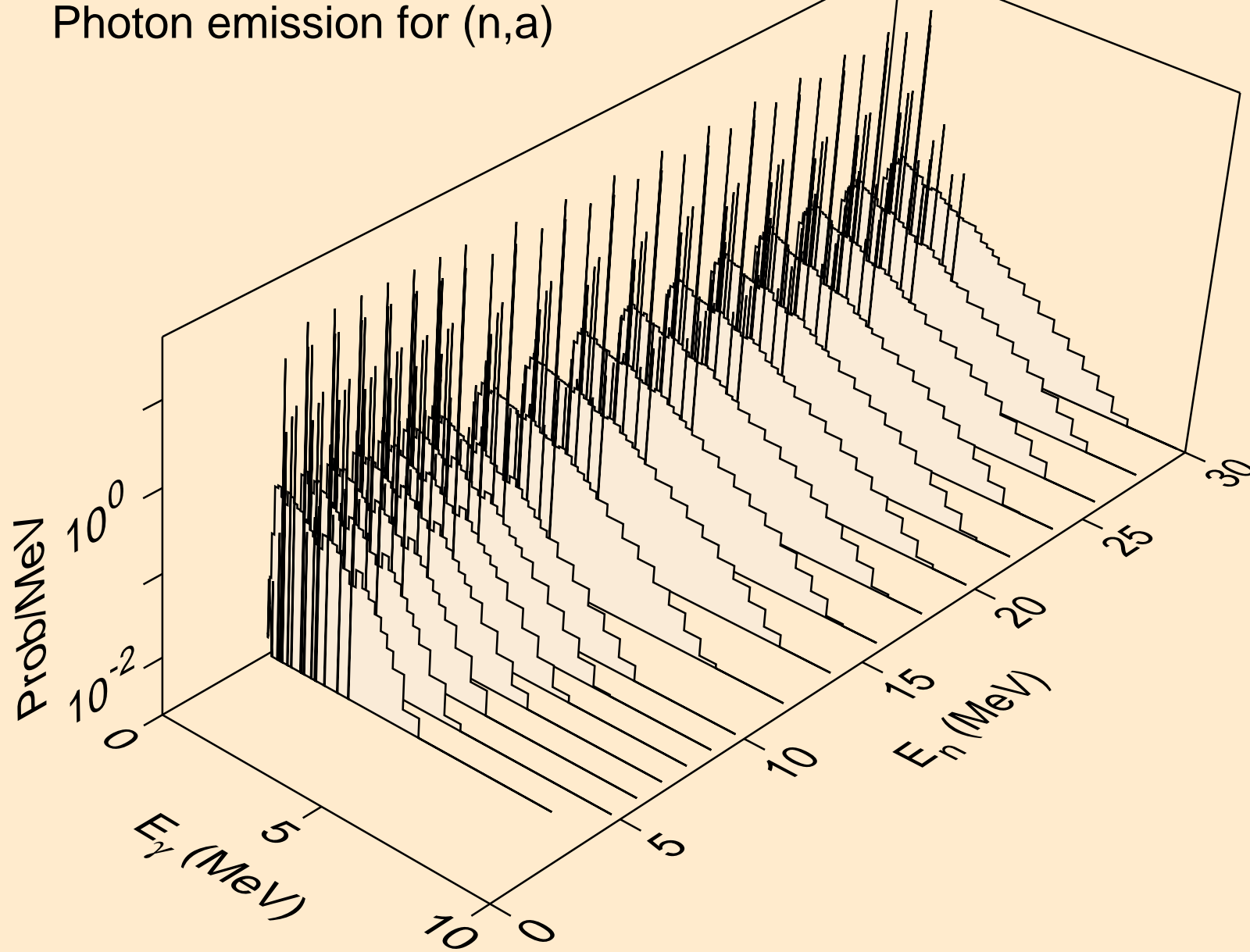
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Photon emission for (n,t)



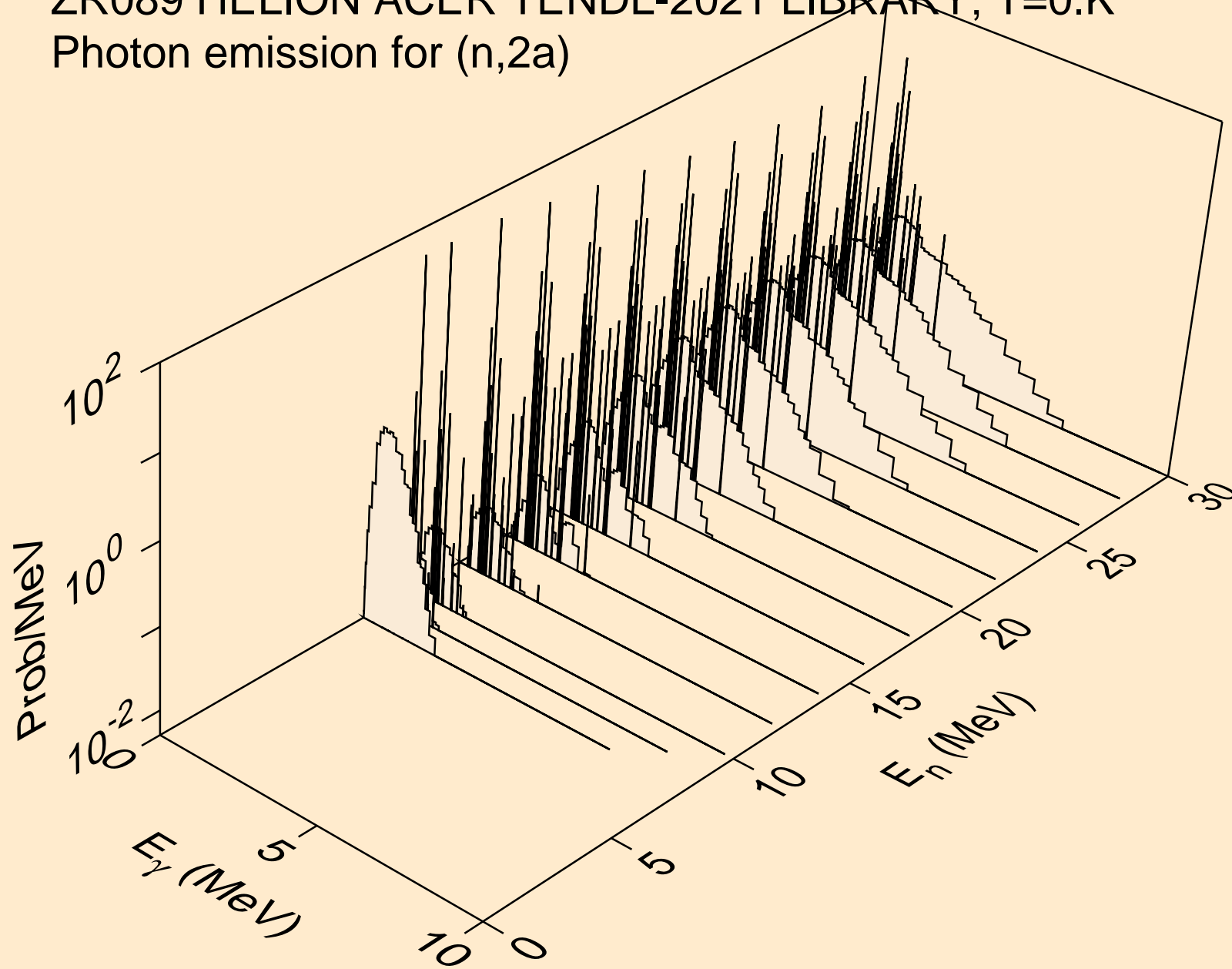
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Photon emission for inelastic



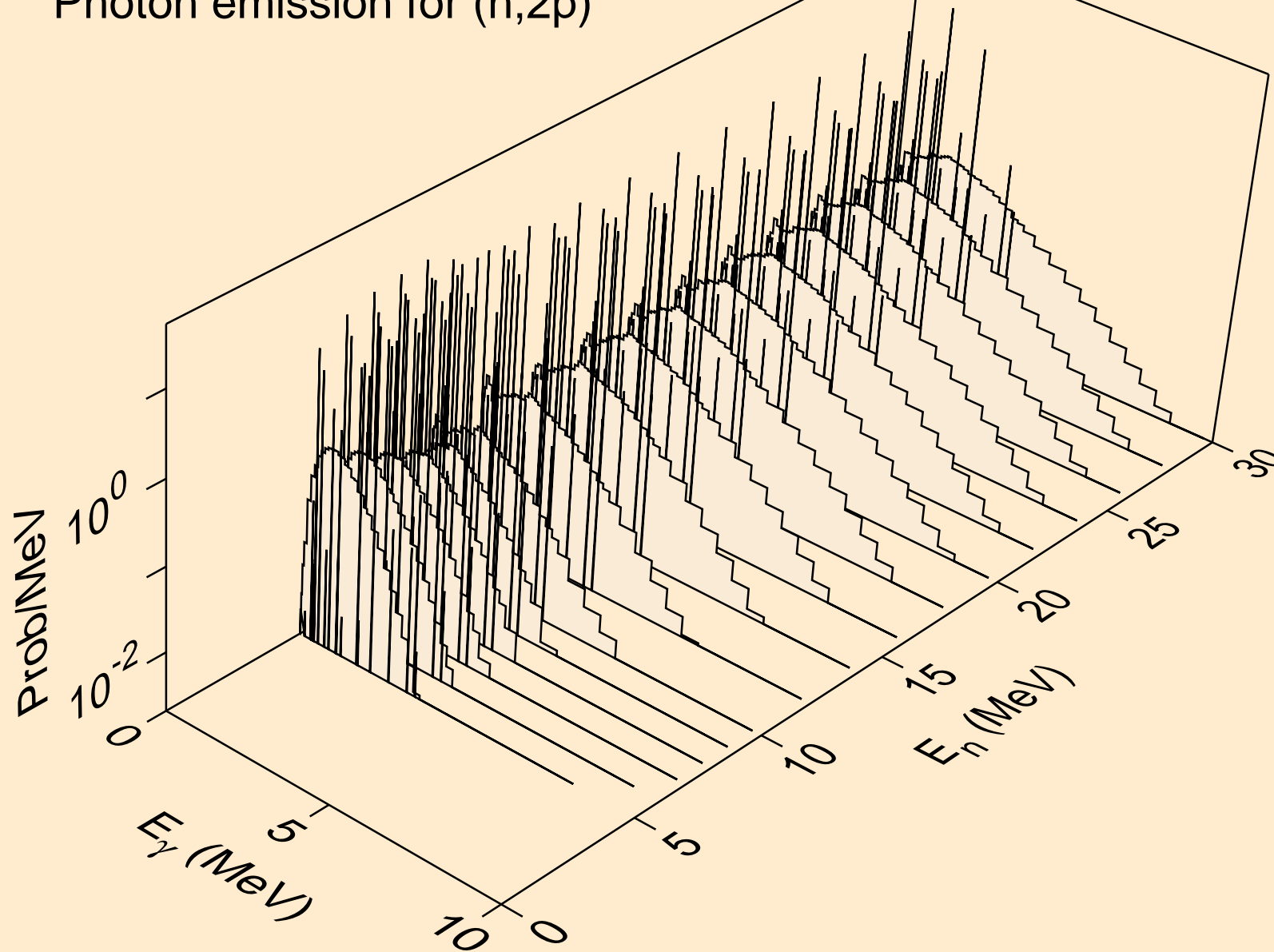
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Photon emission for (n,a)



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Photon emission for (n,2a)

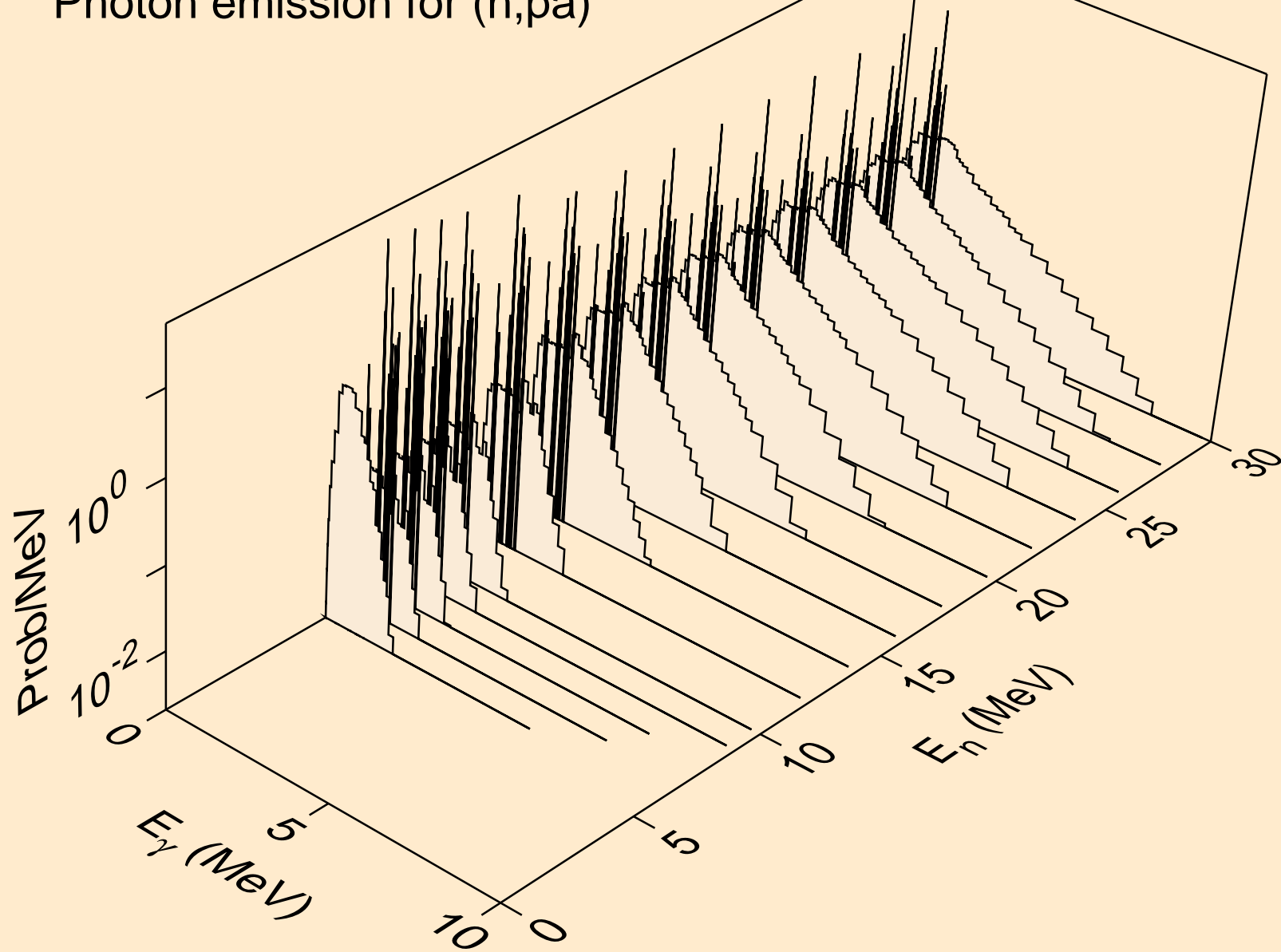


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Photon emission for (n,2p)

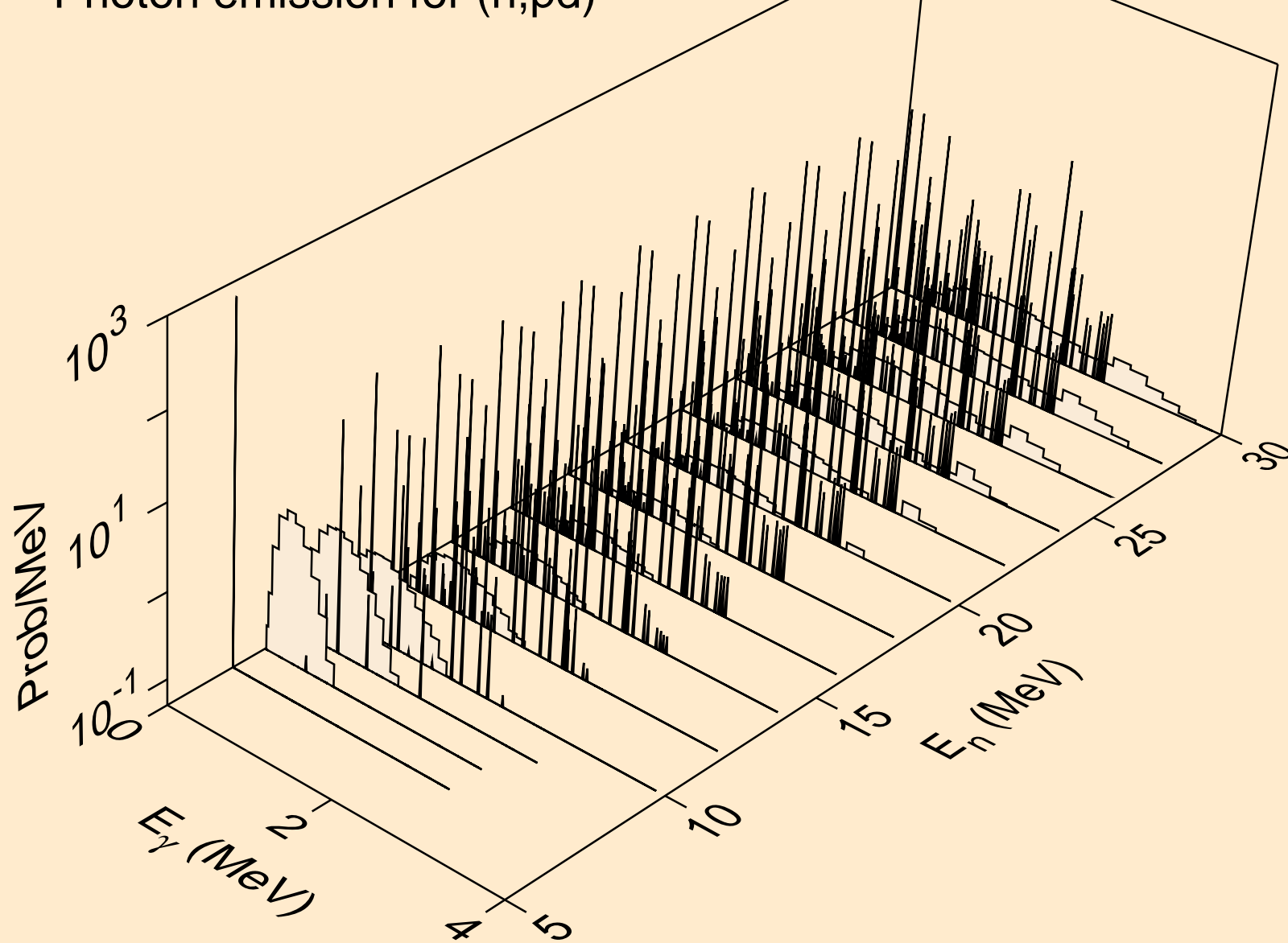




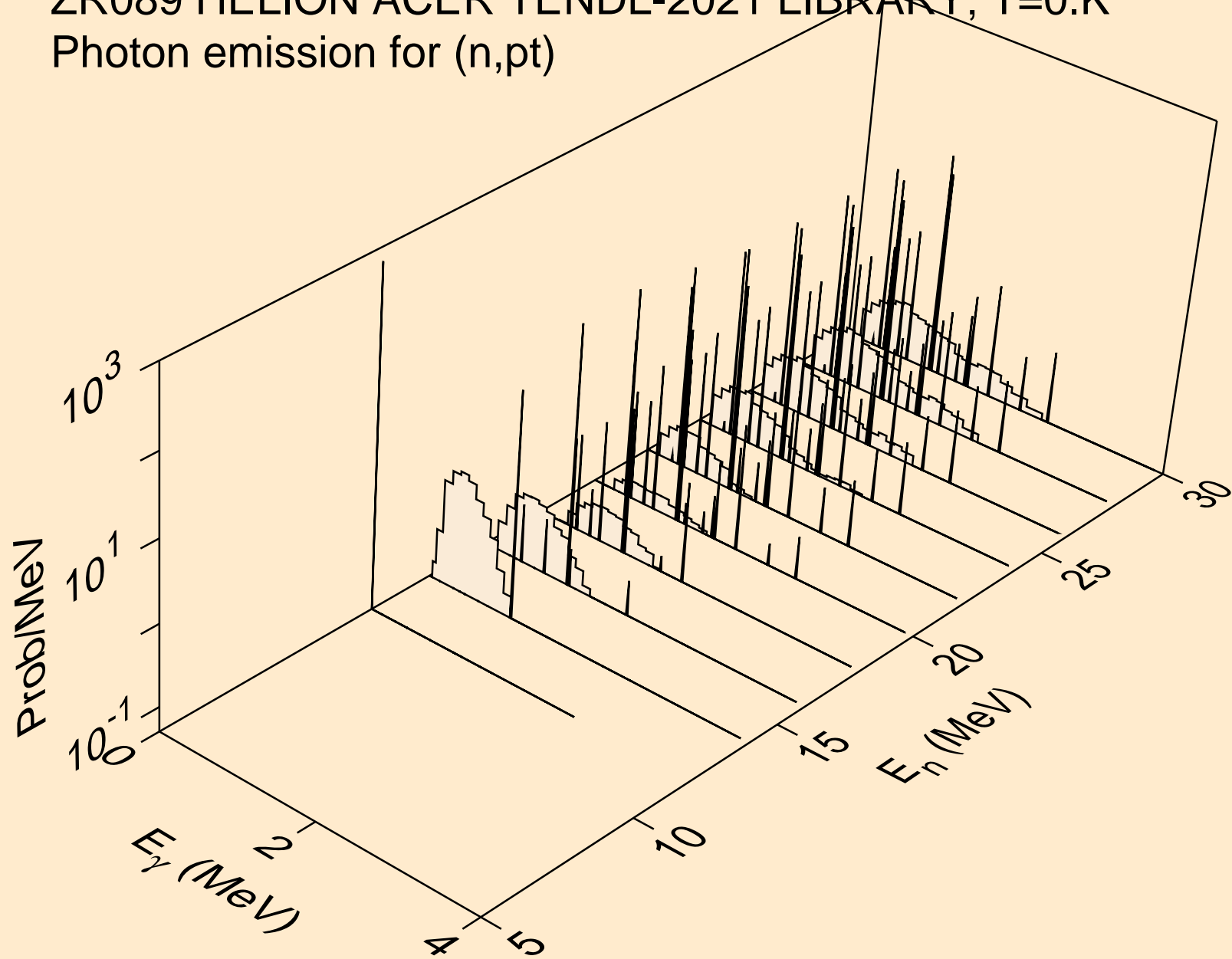
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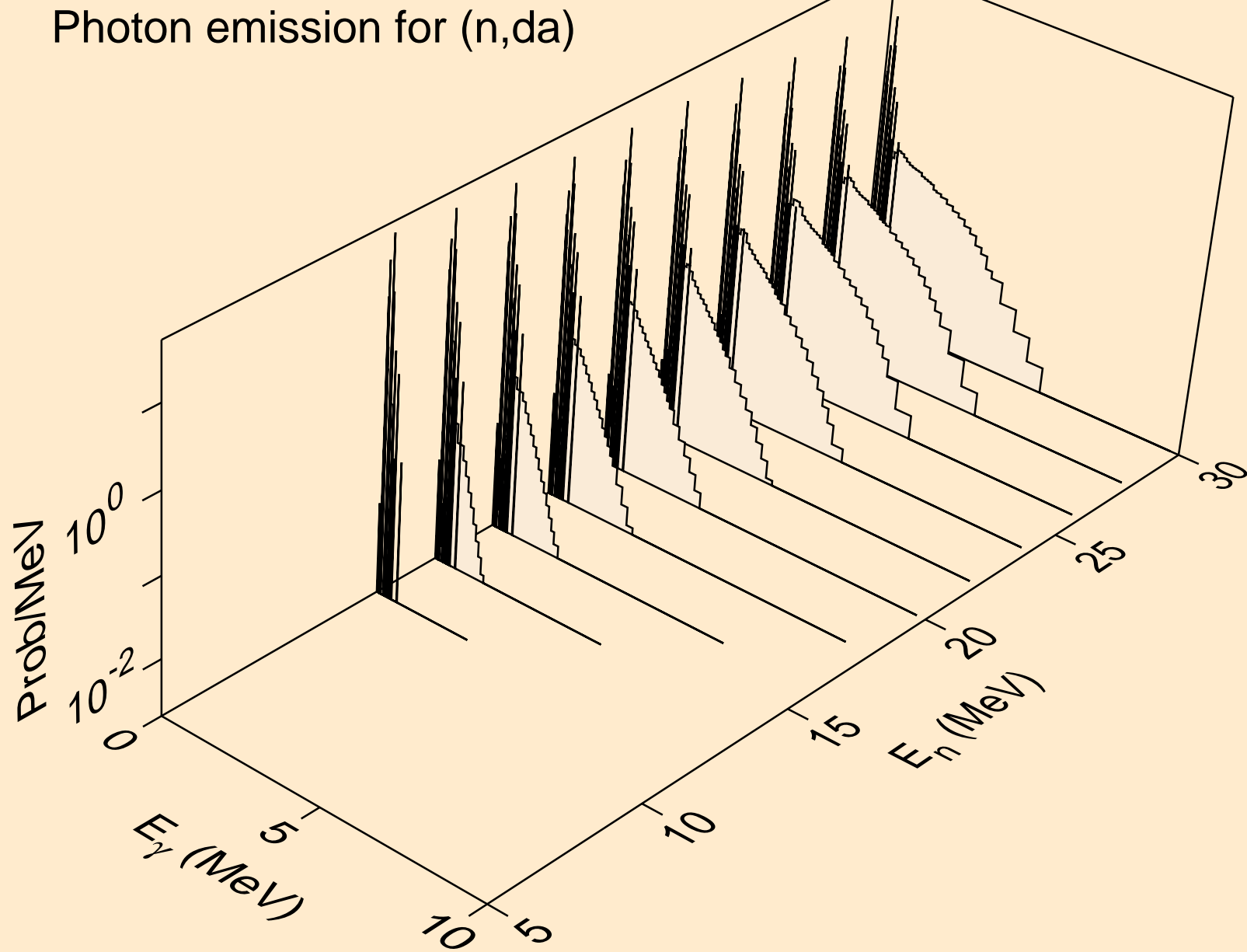
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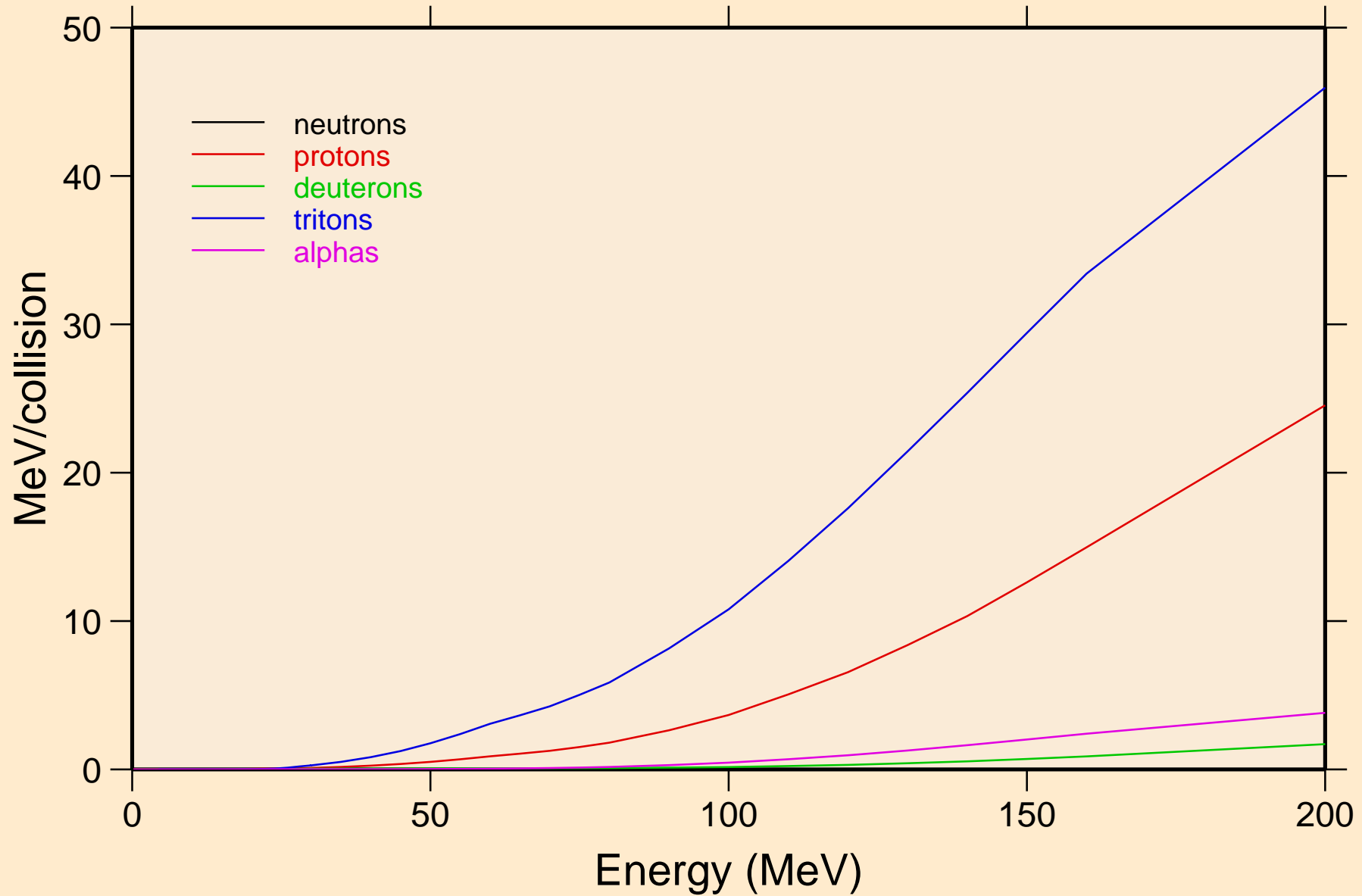
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Photon emission for (n,pt)



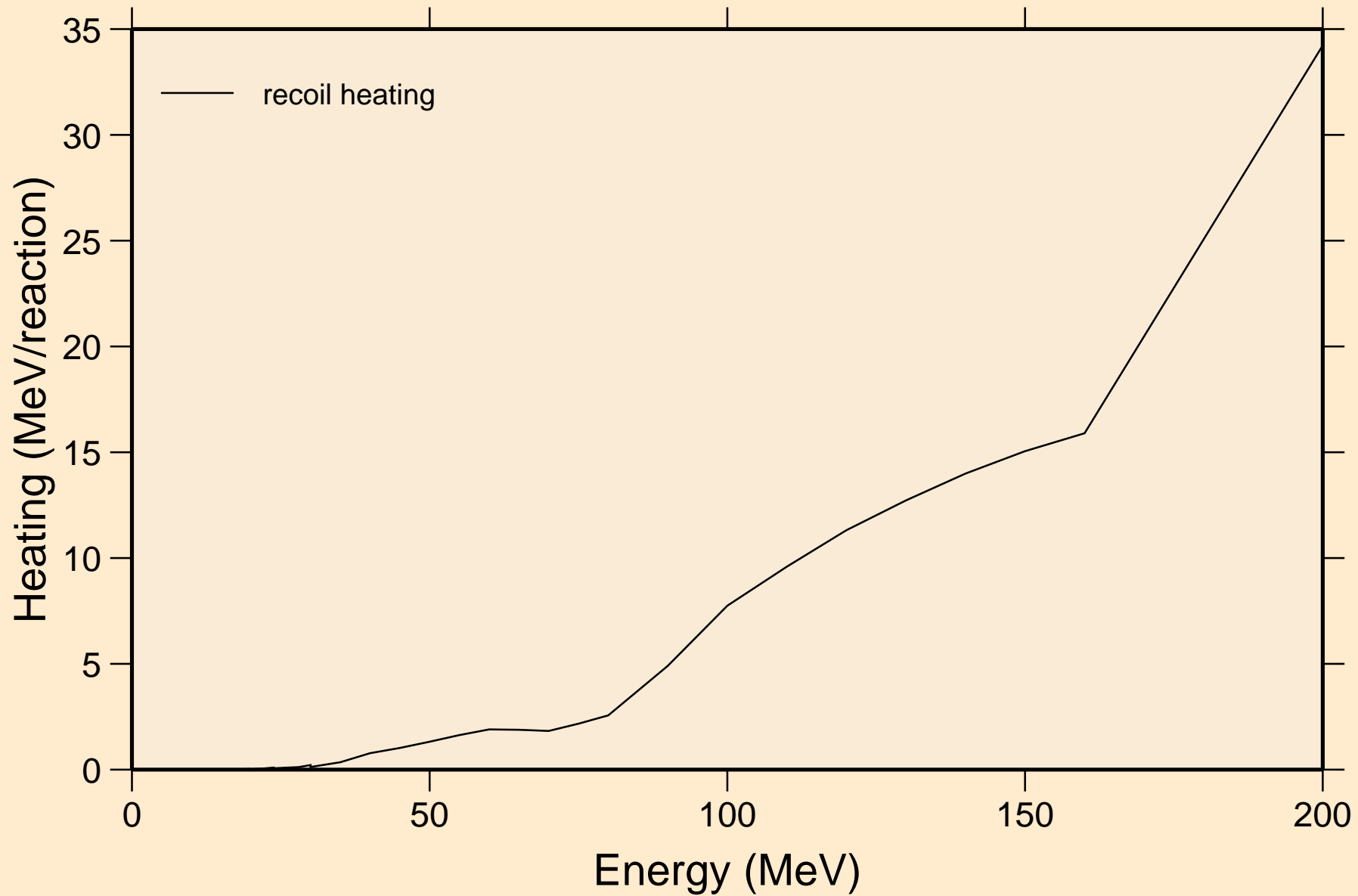
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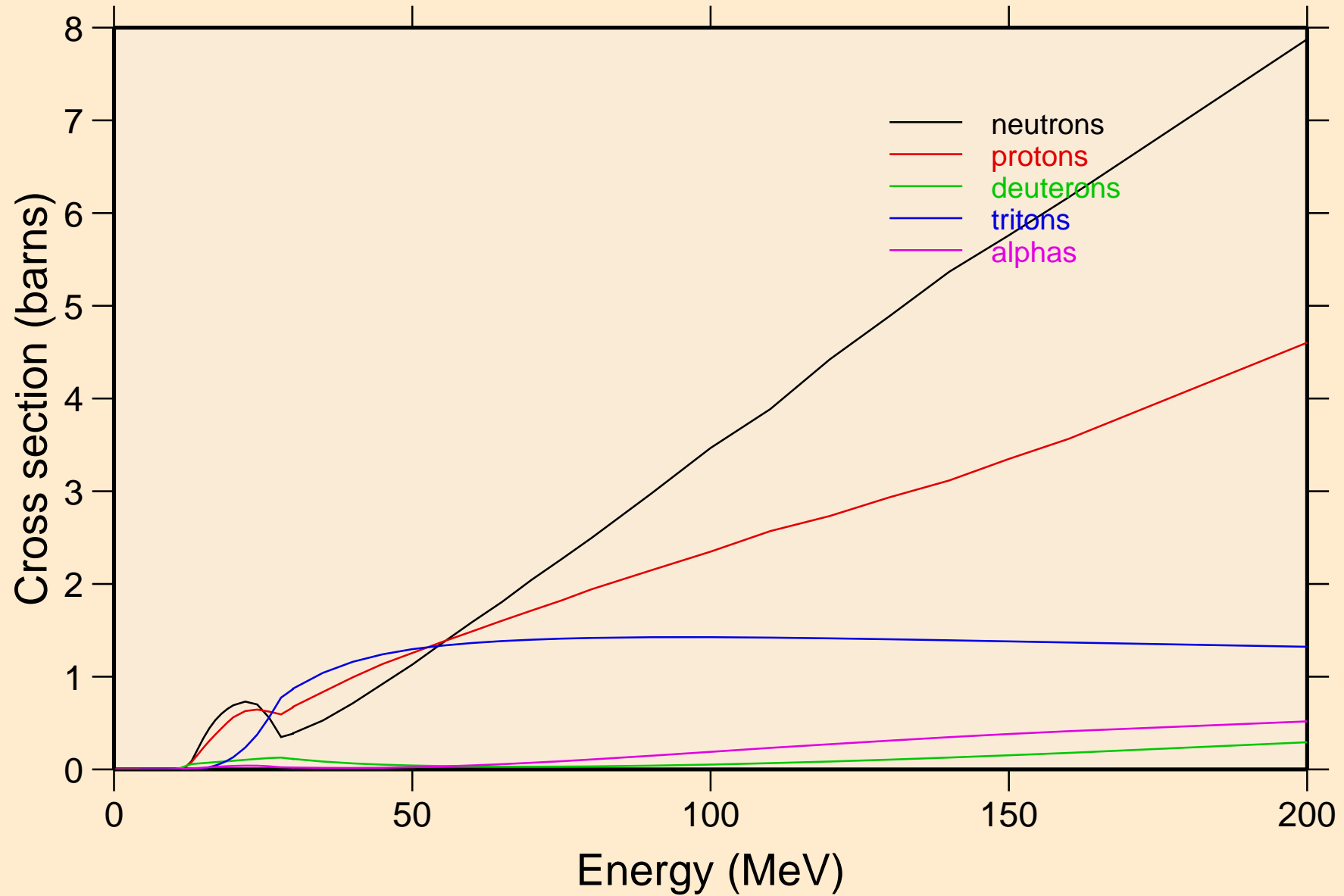
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Particle heating contributions



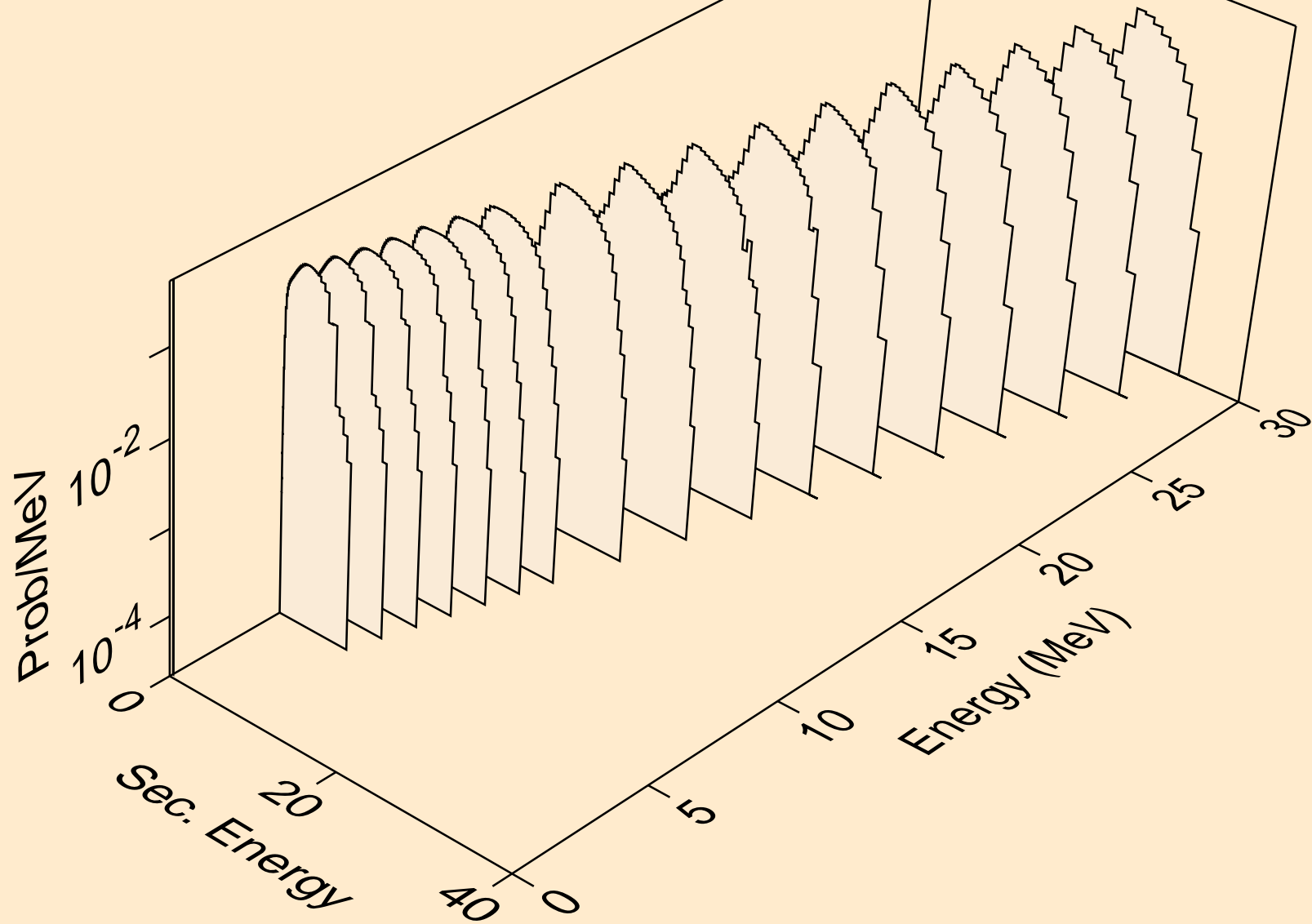
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Recoil Heating



ZR089 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections

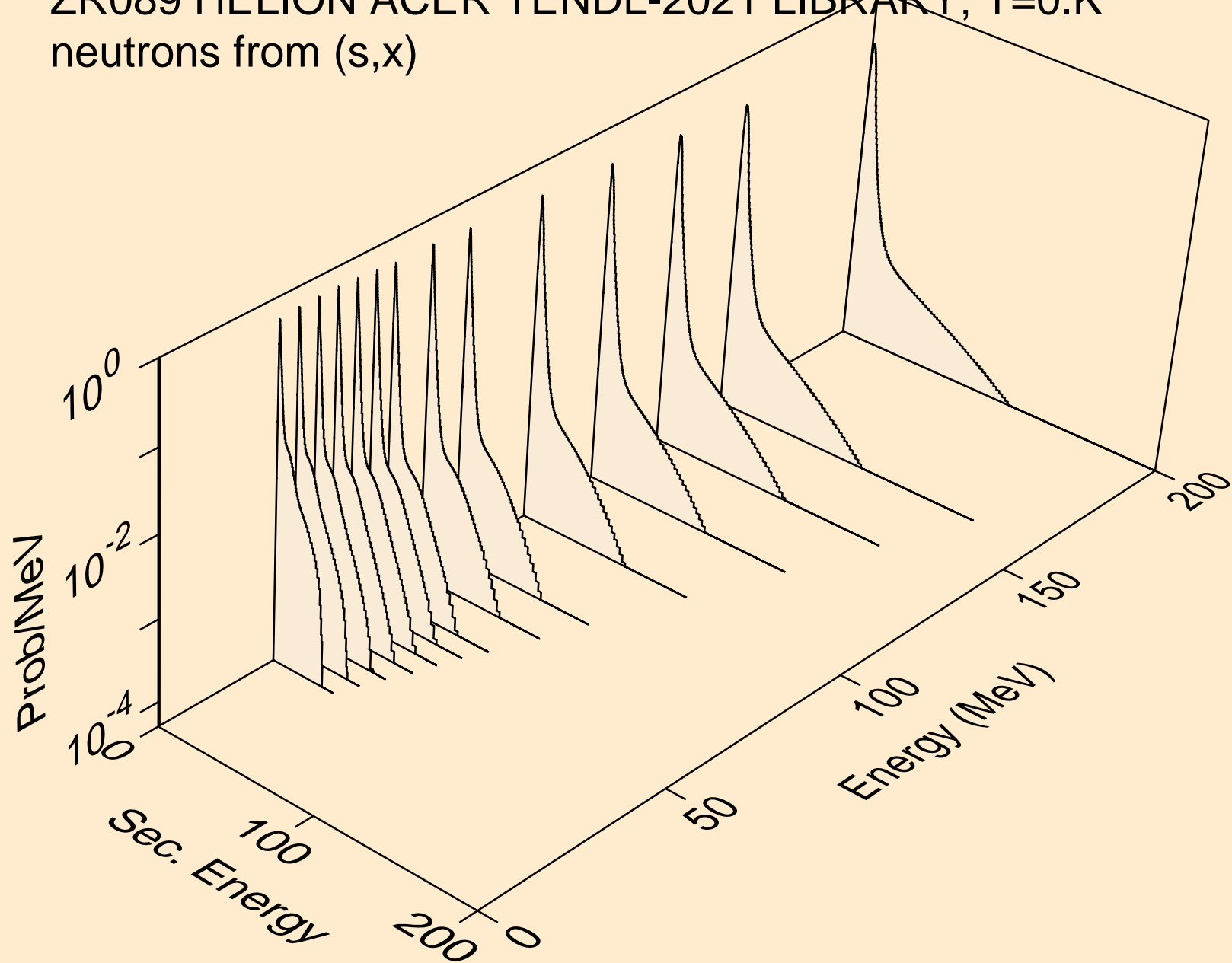


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neutrons from (s,n)

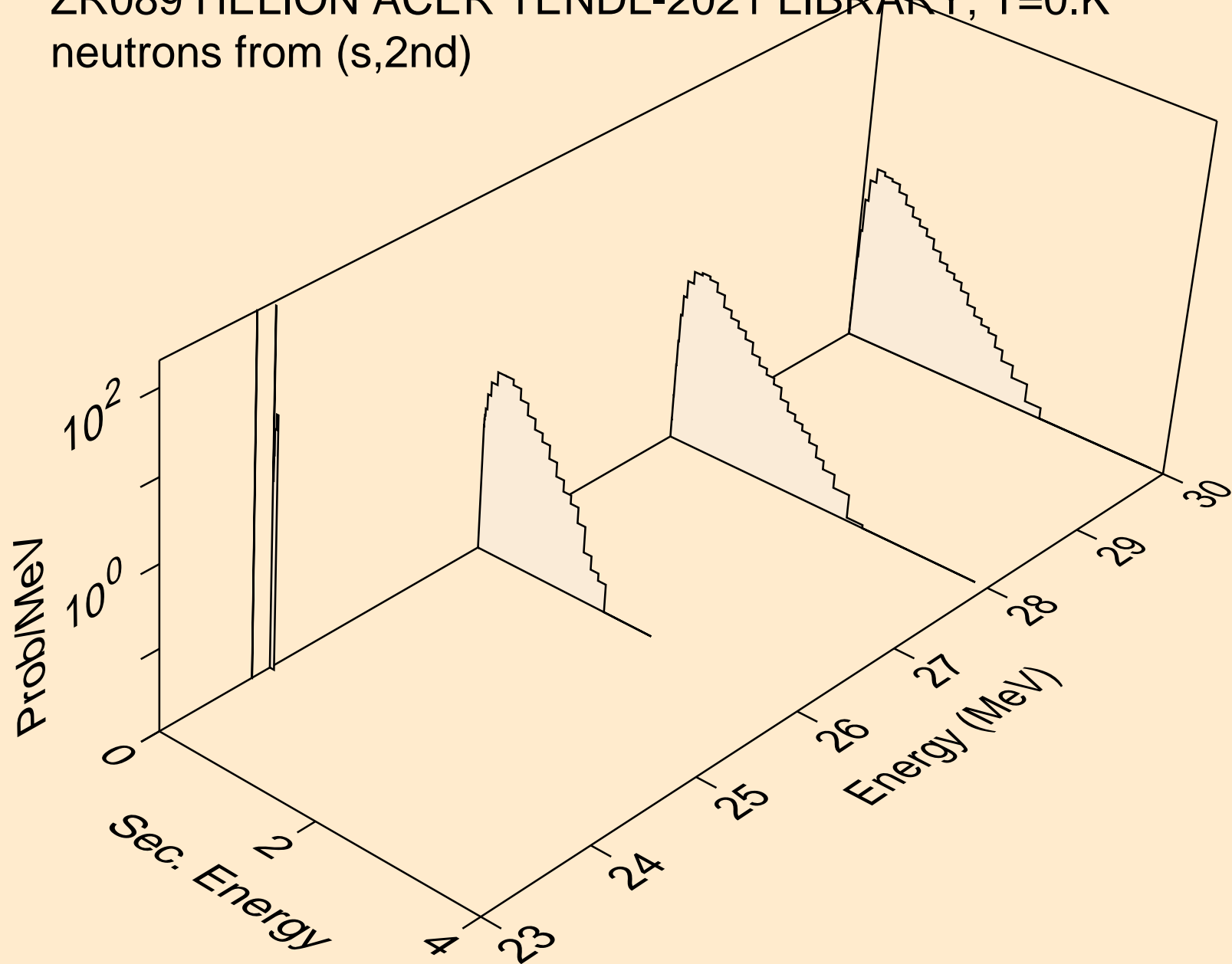




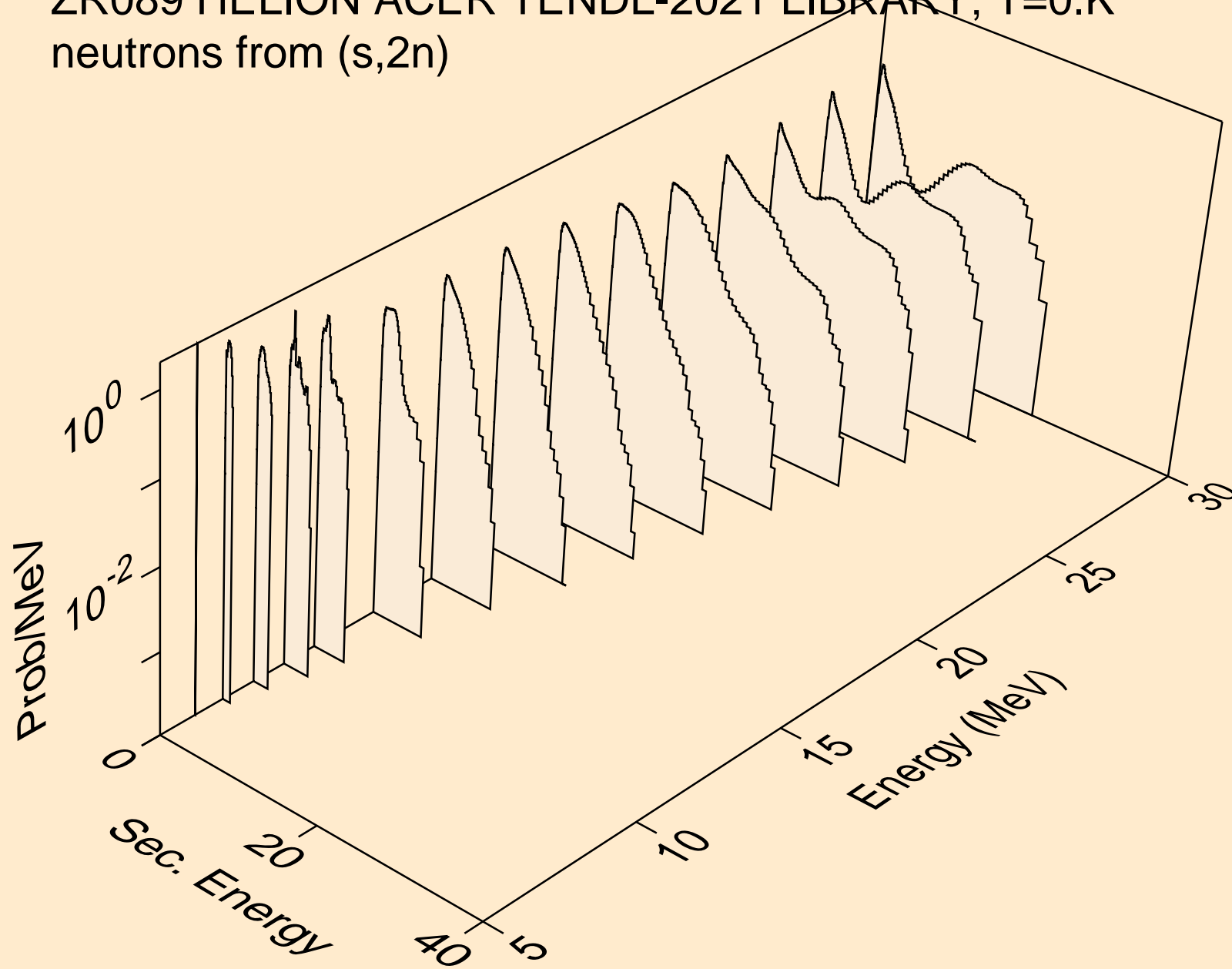
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neutrons from (s,x)



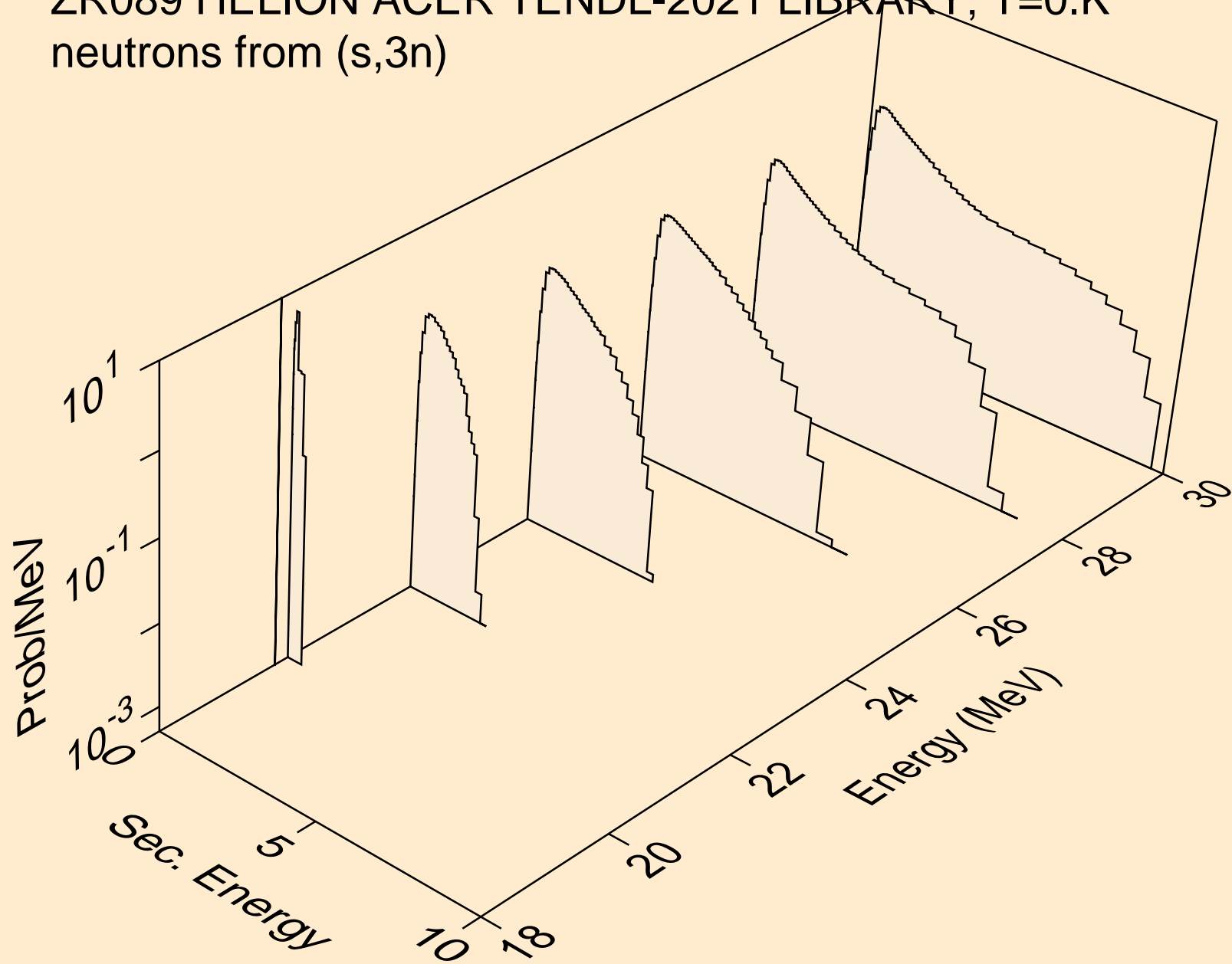
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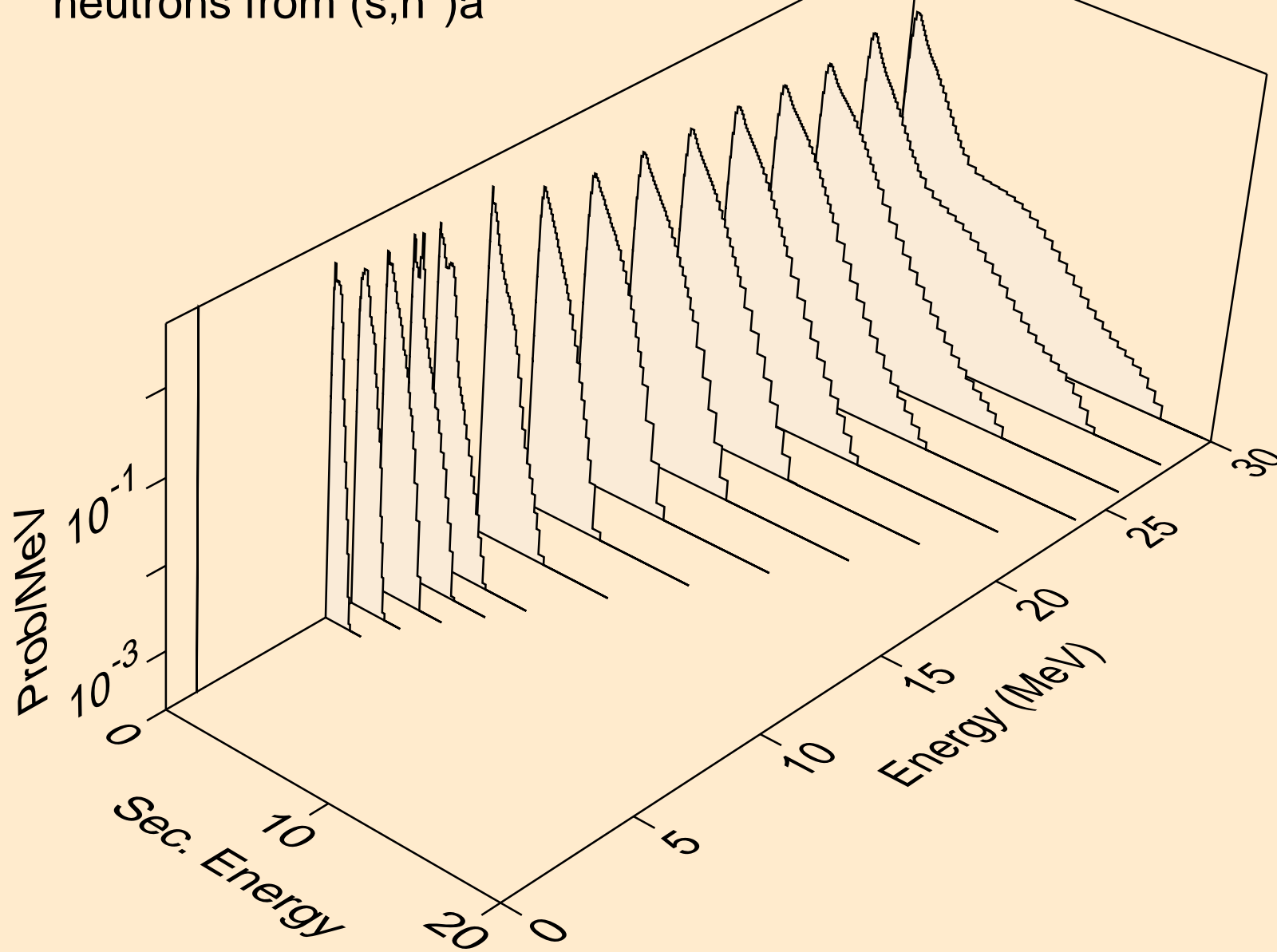
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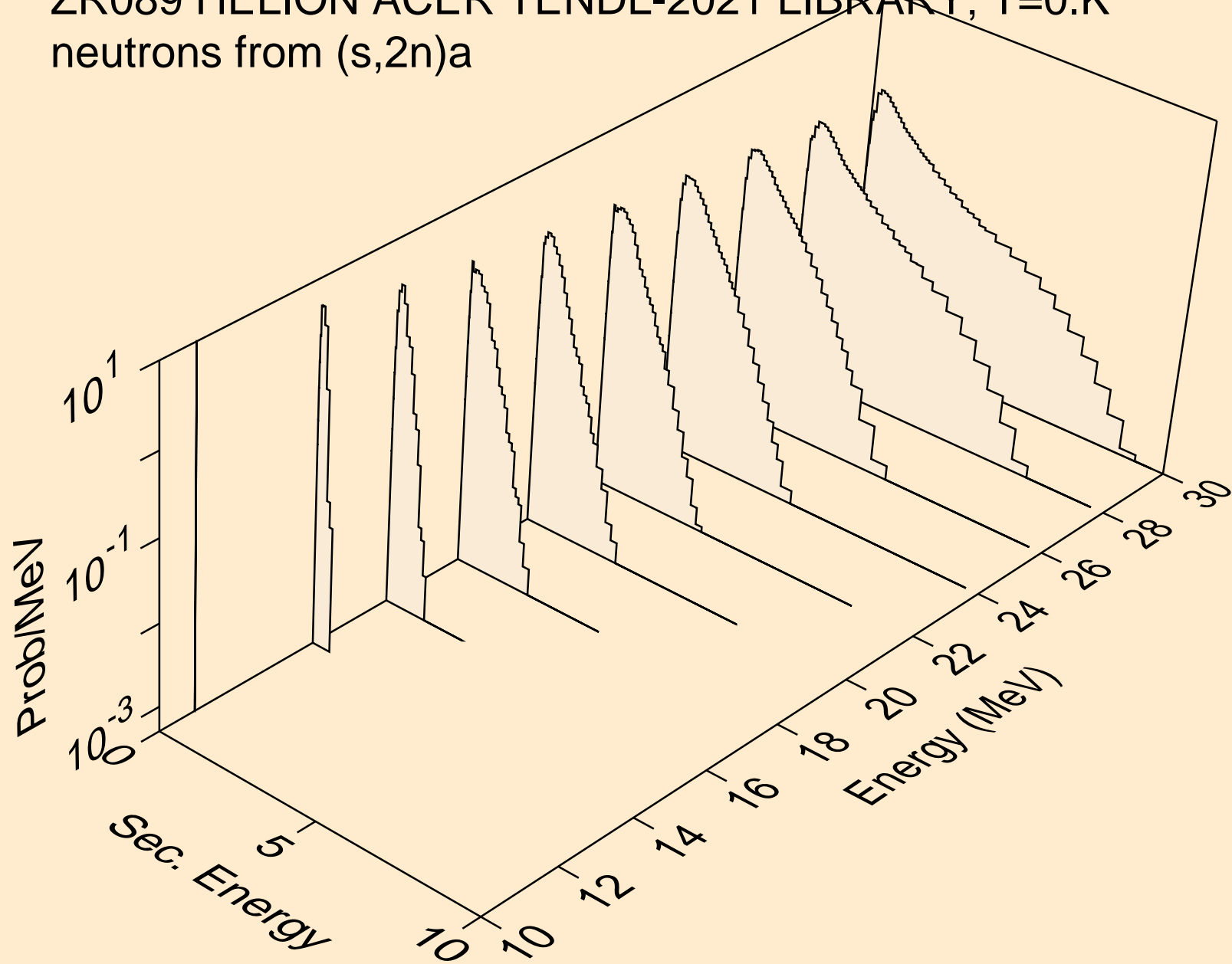
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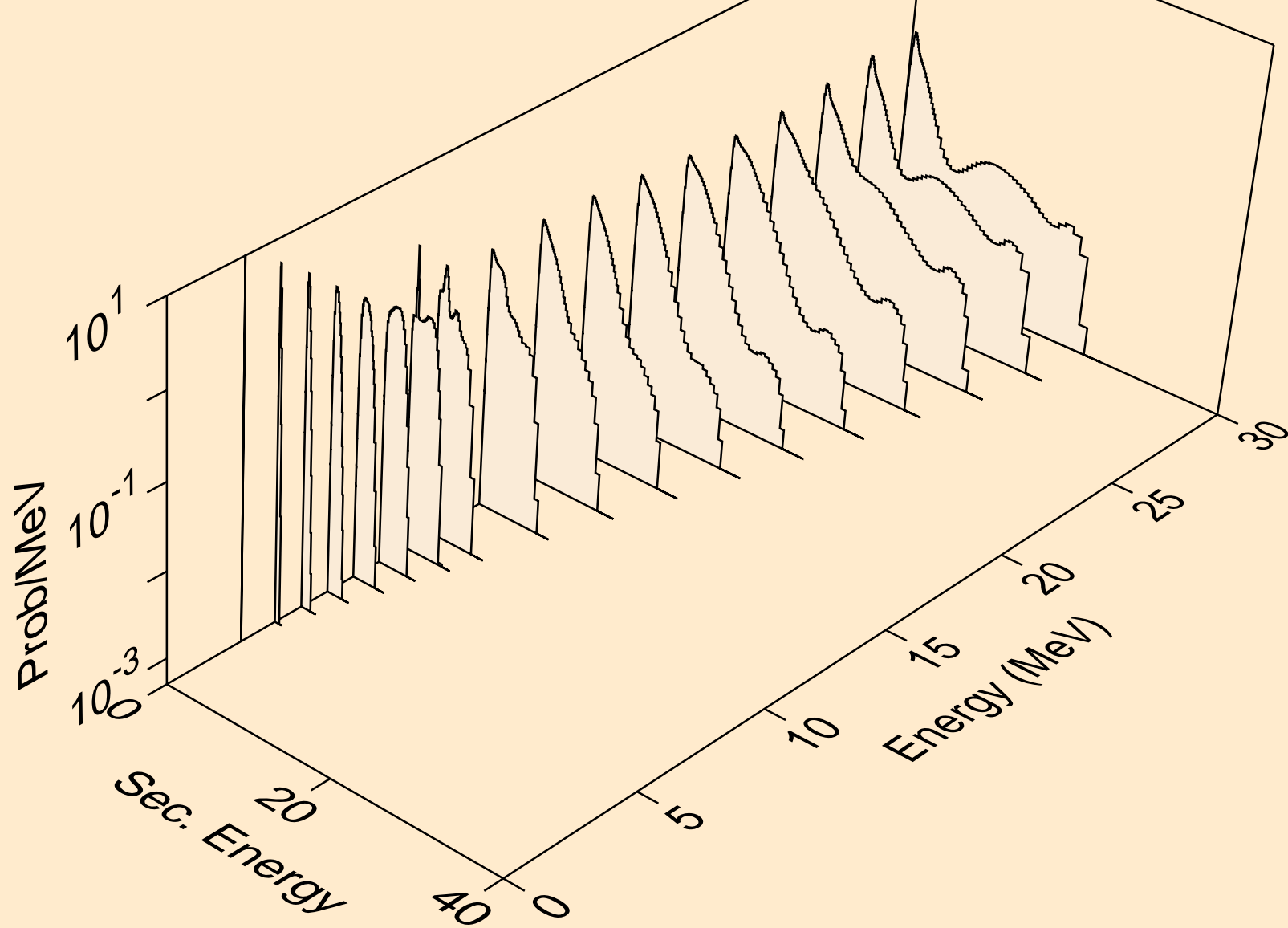
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neutrons from (s,n\*)a



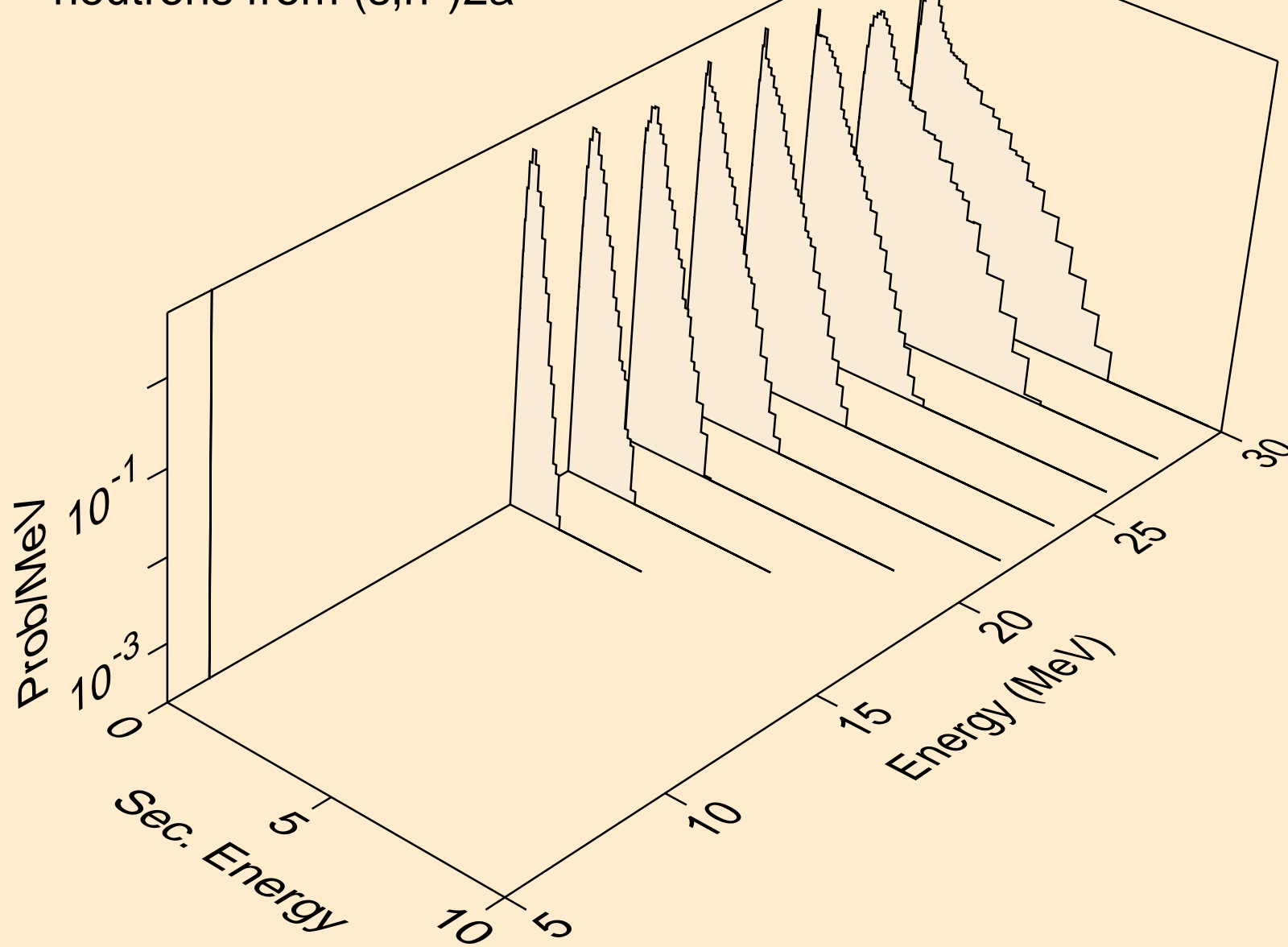
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neutrons from (s,2n)a



ZR089 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)p

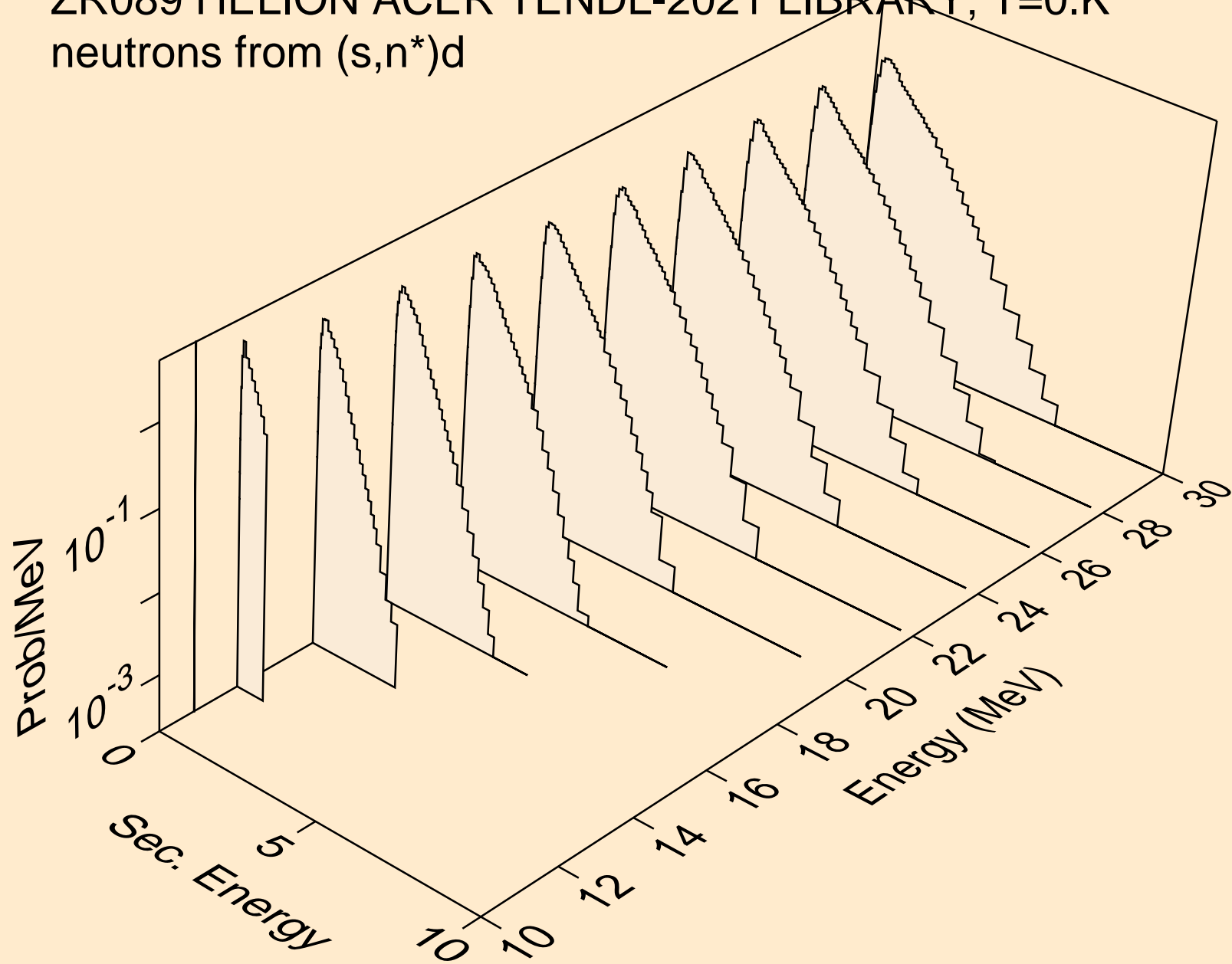


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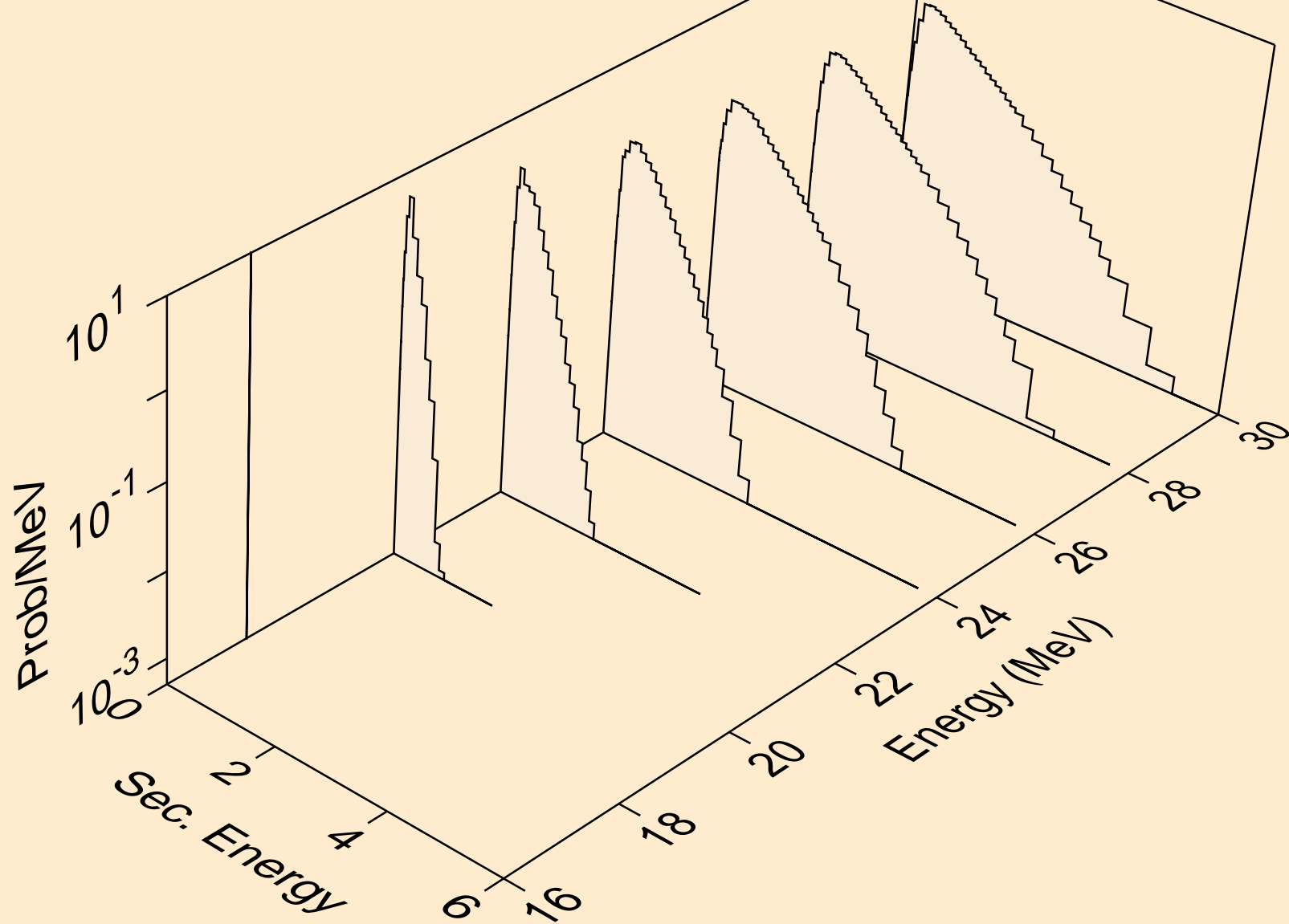




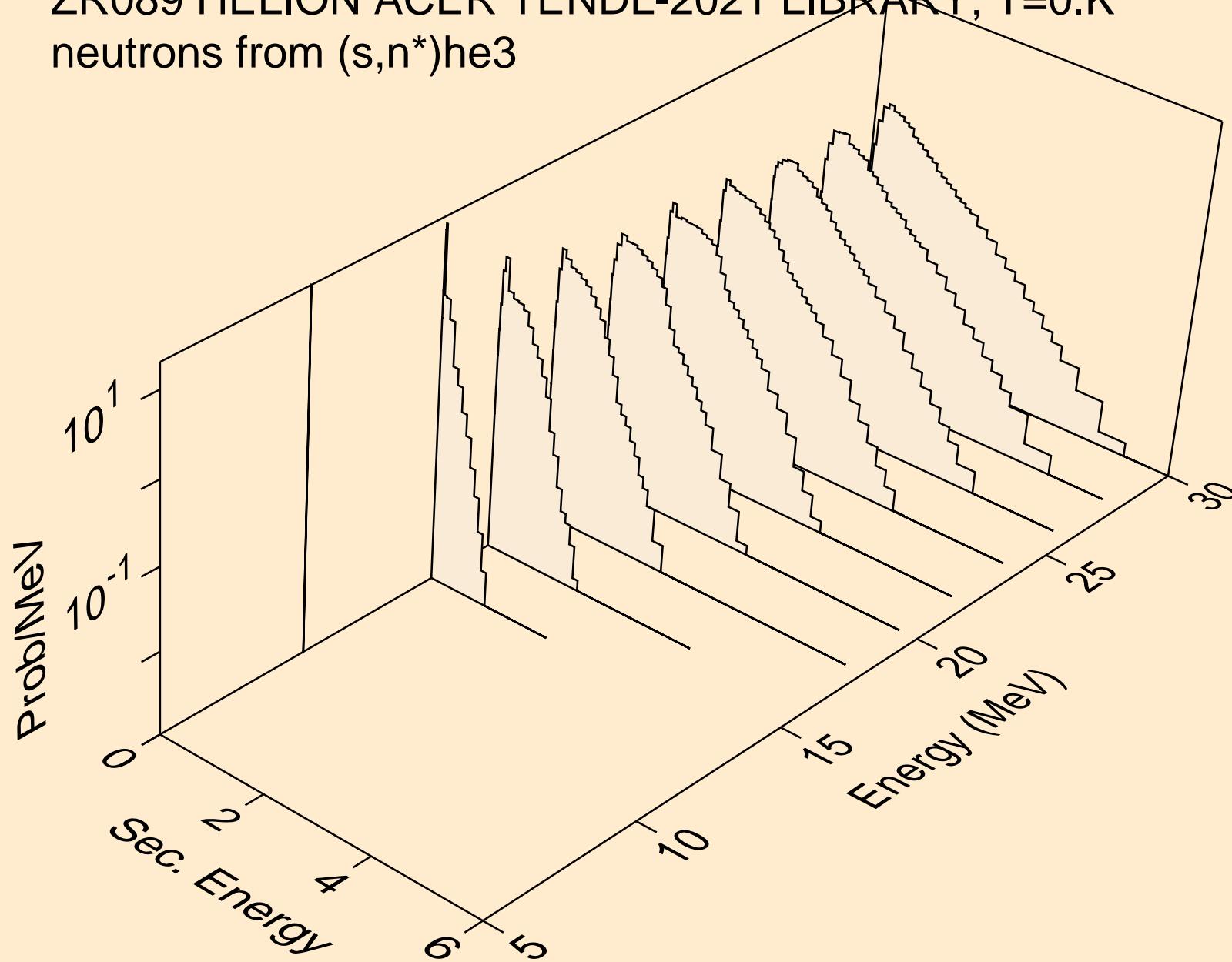
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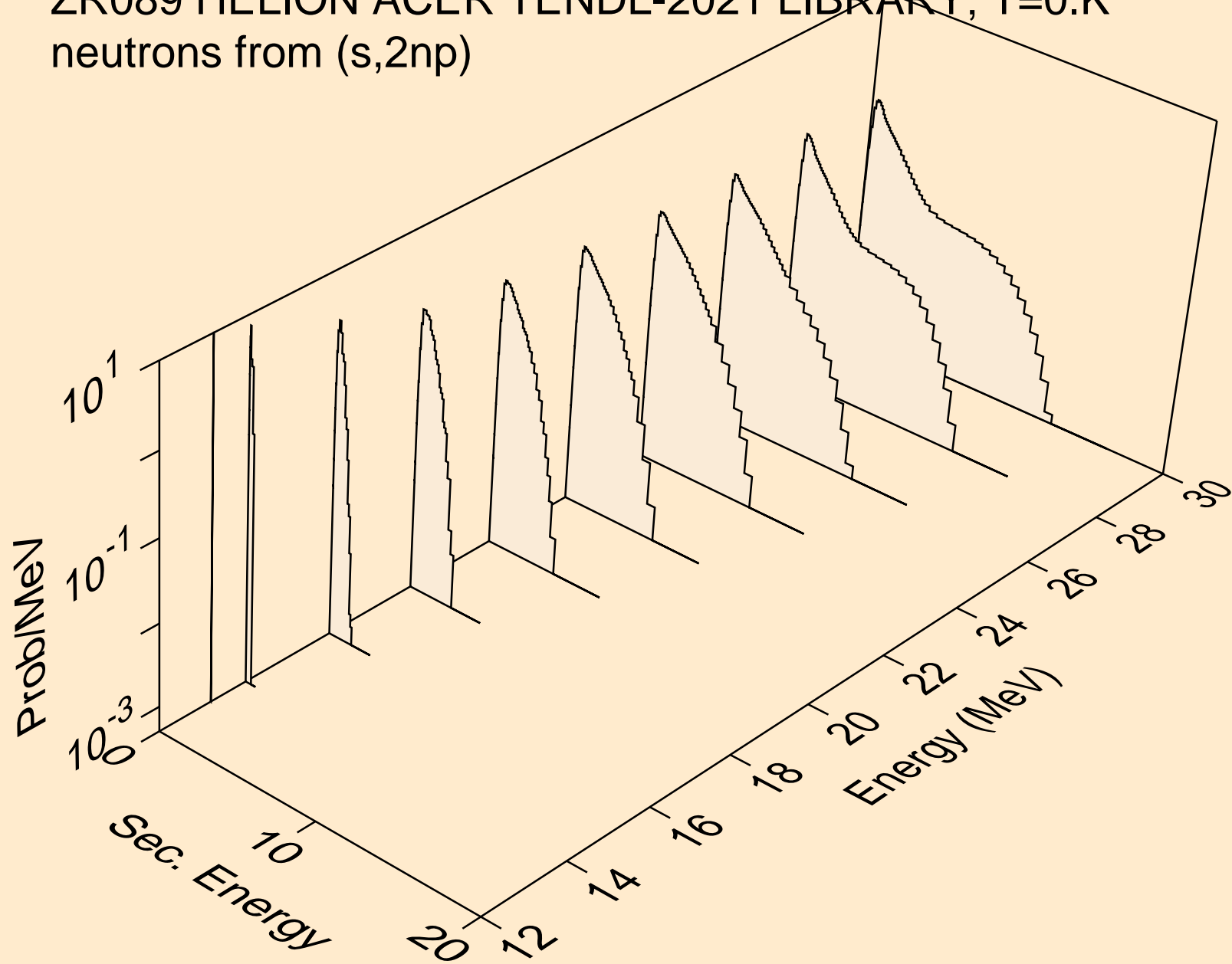
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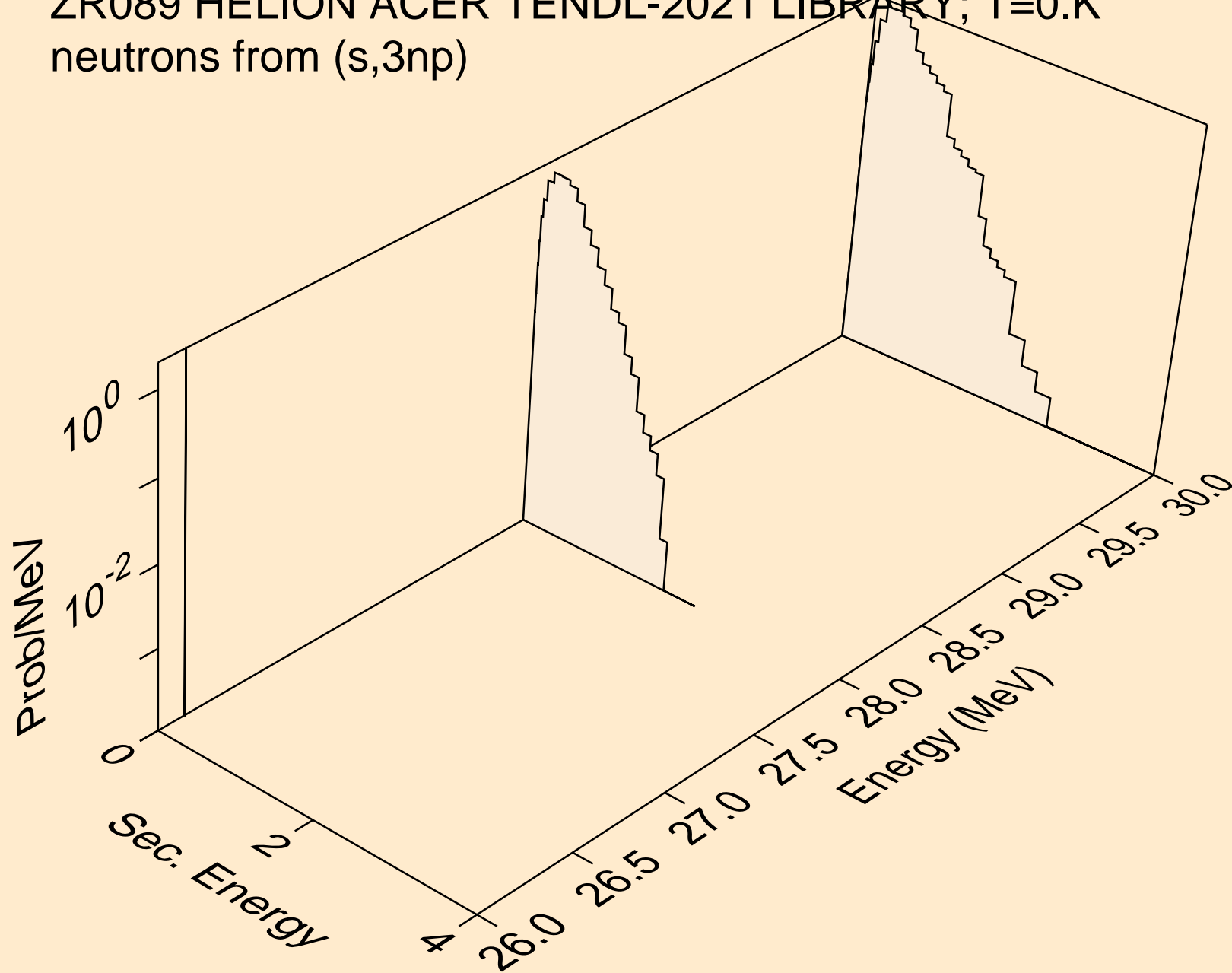
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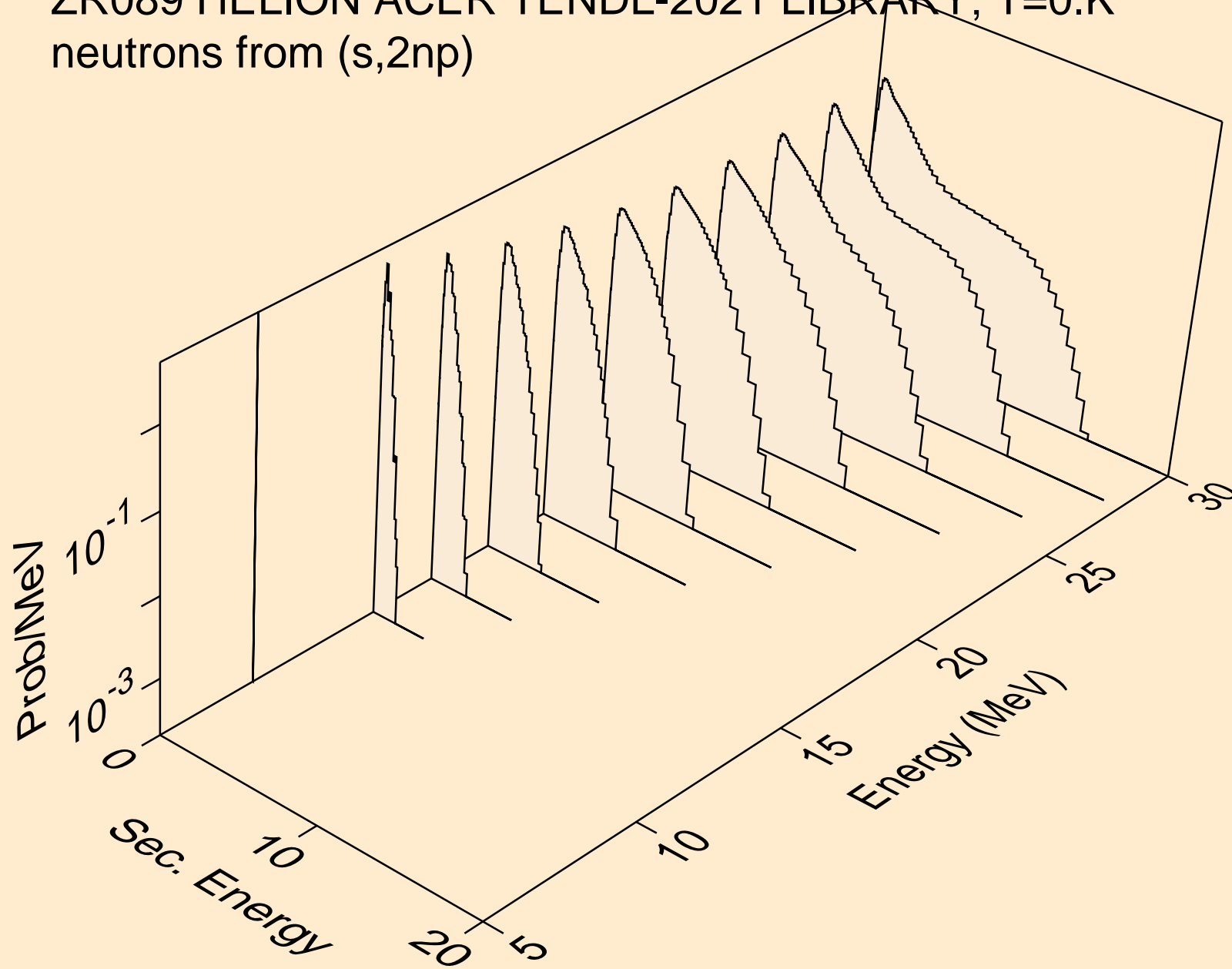
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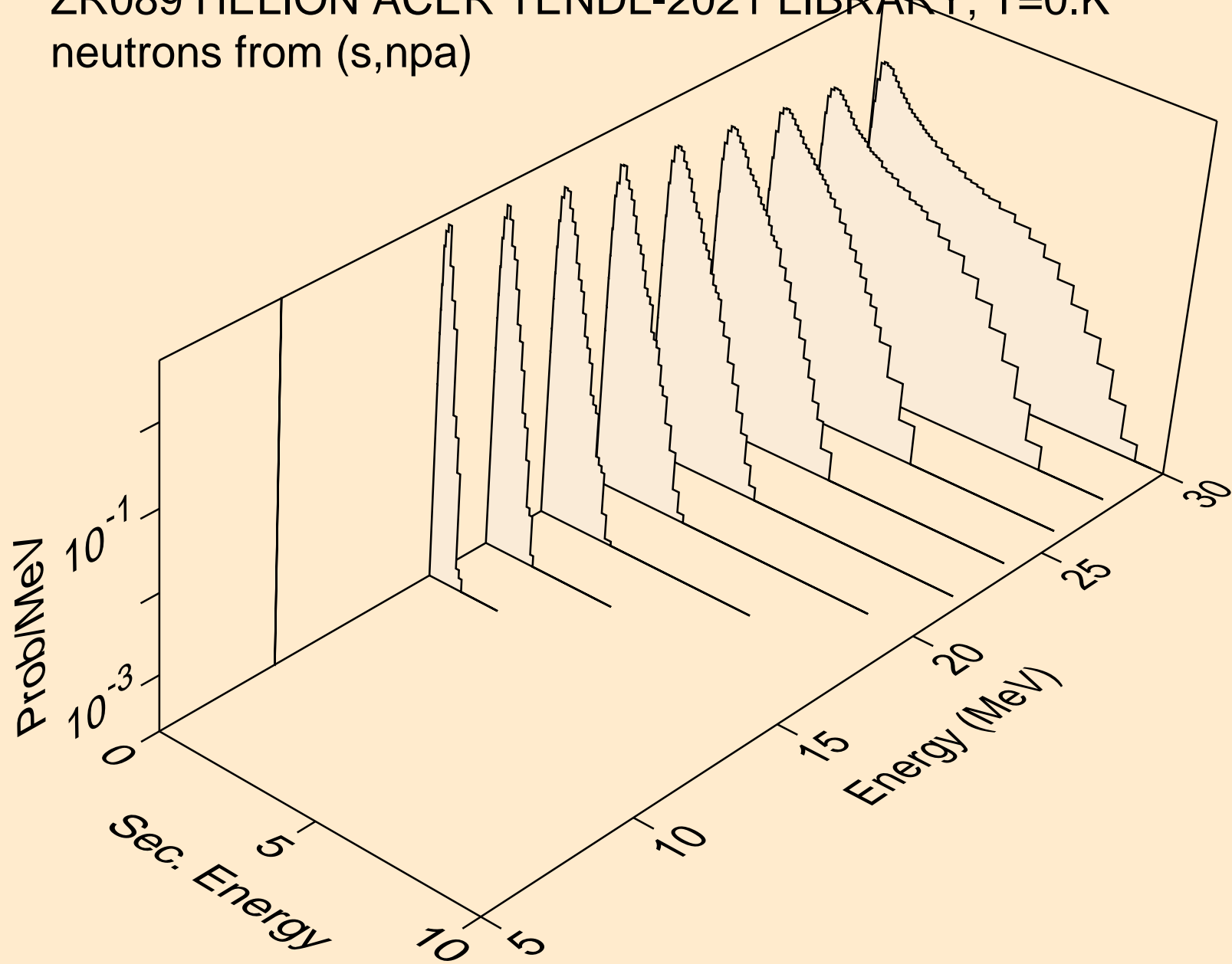
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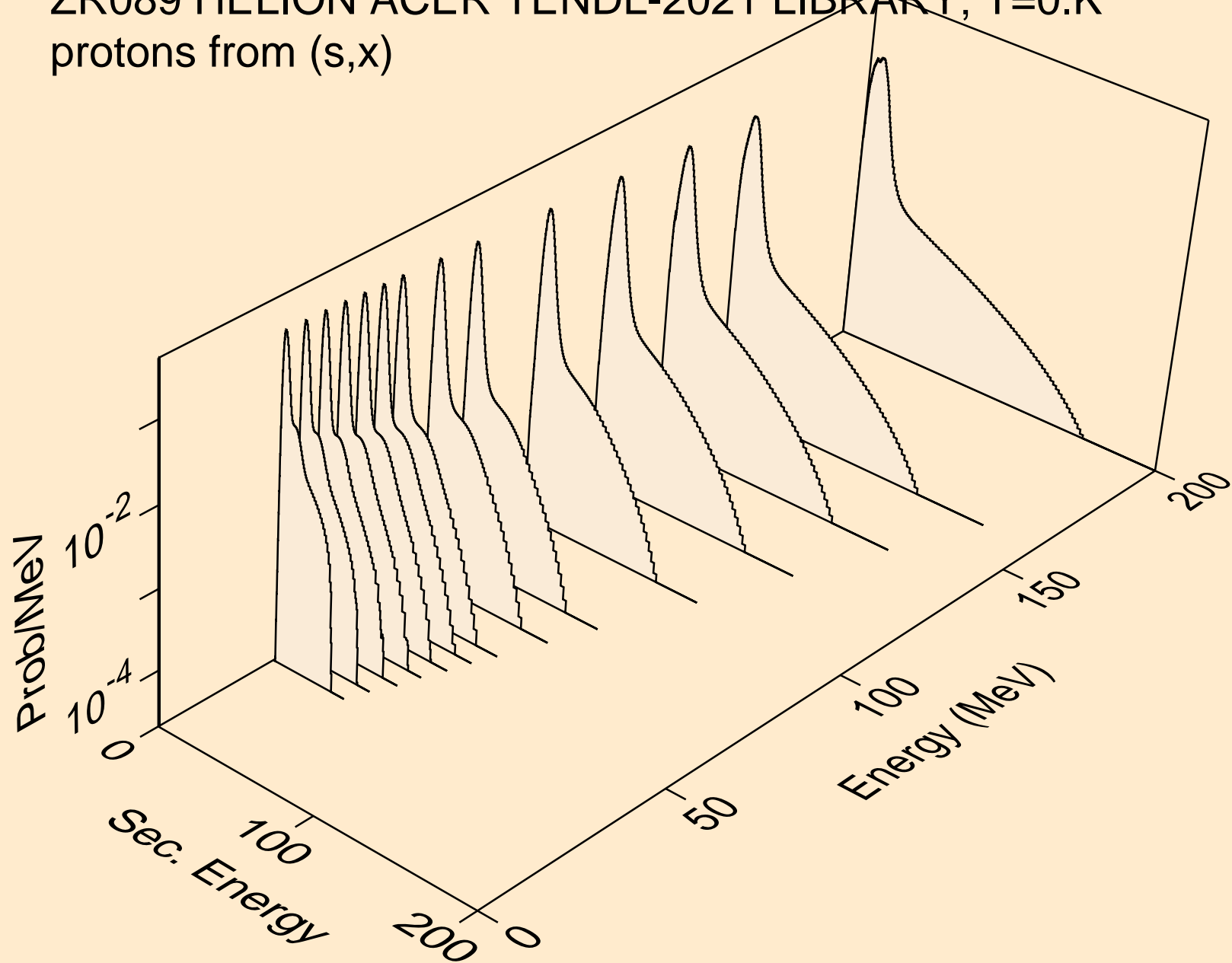
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neutrons from (s,2np)



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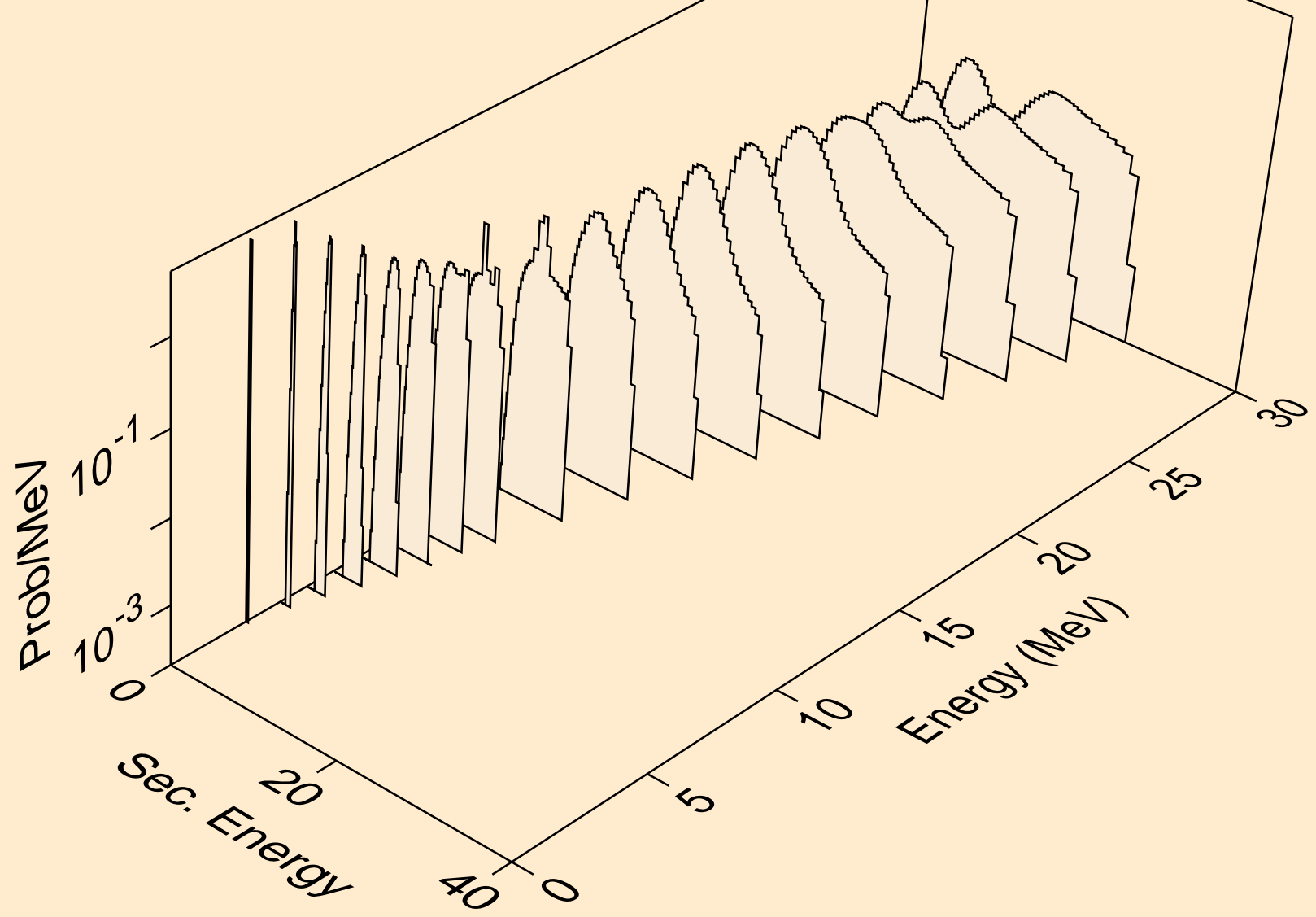


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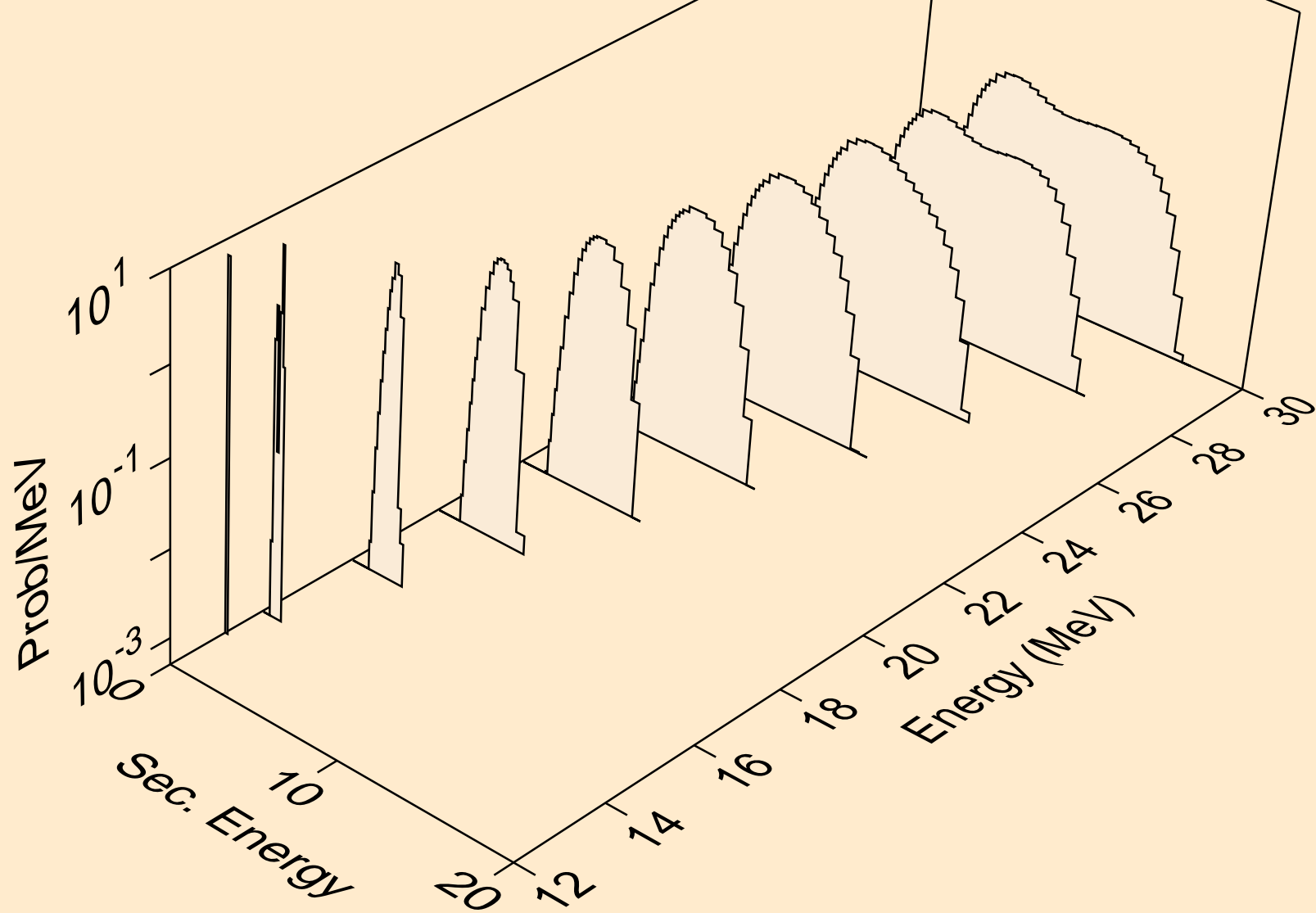




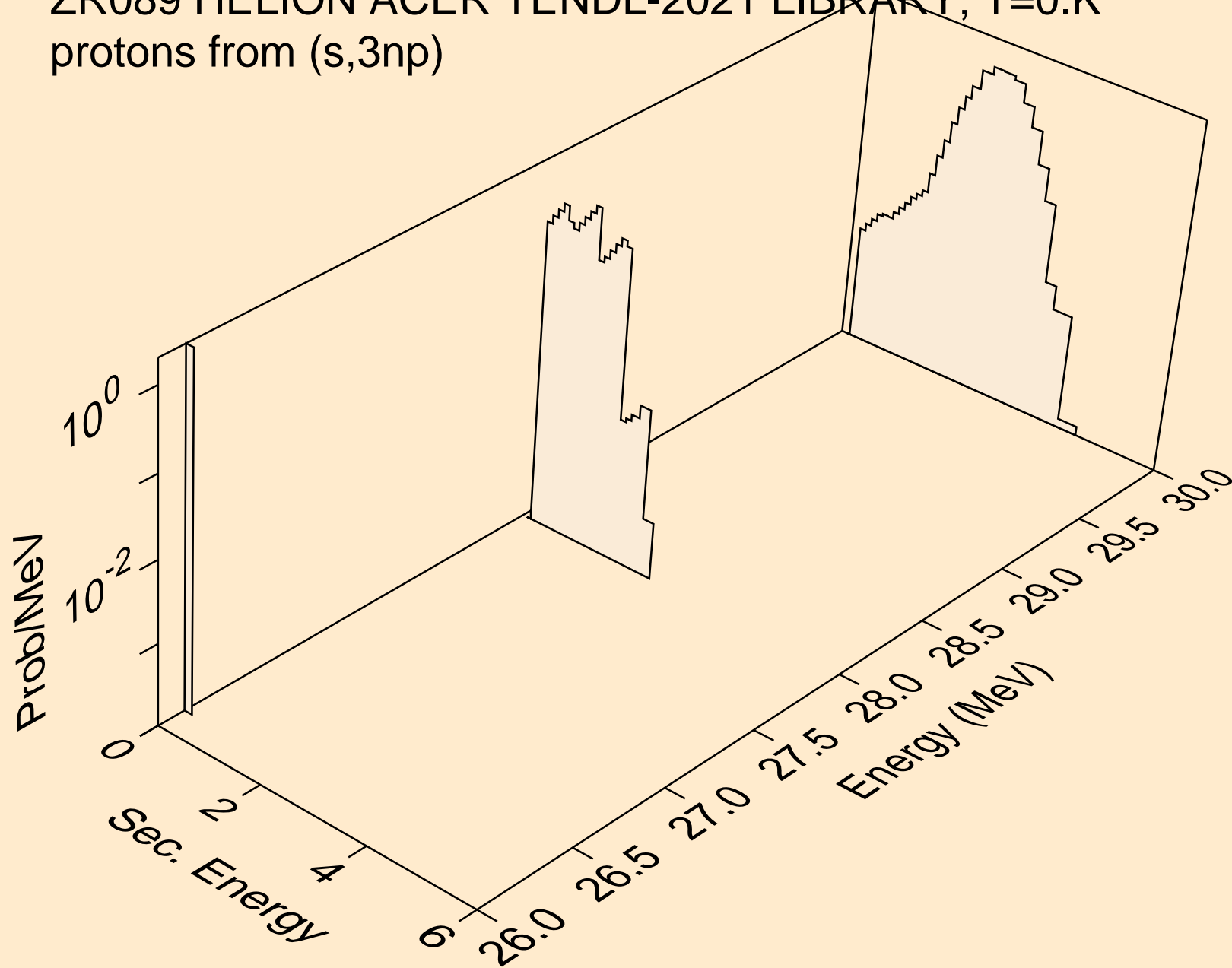
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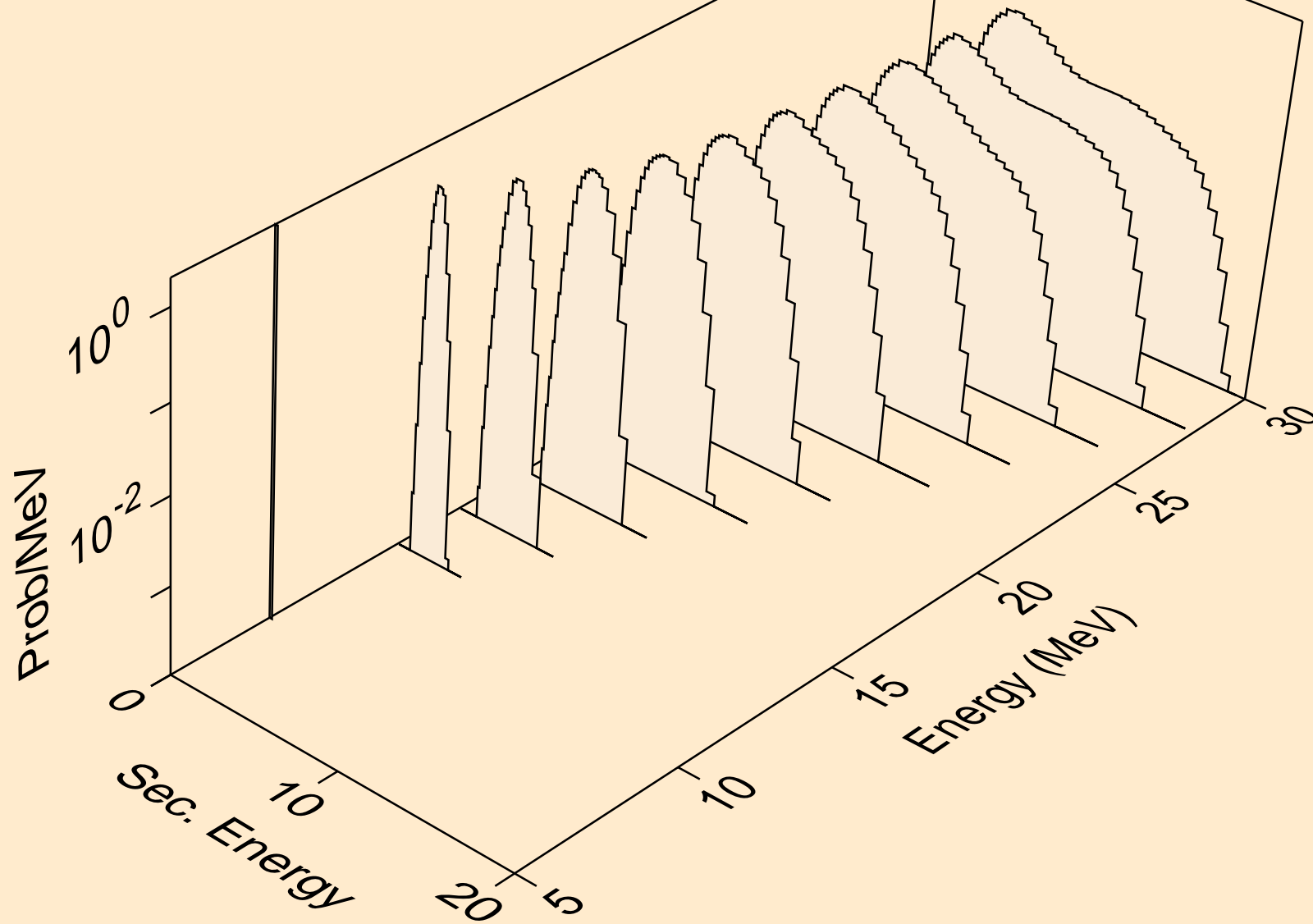
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protons from (s,2np)



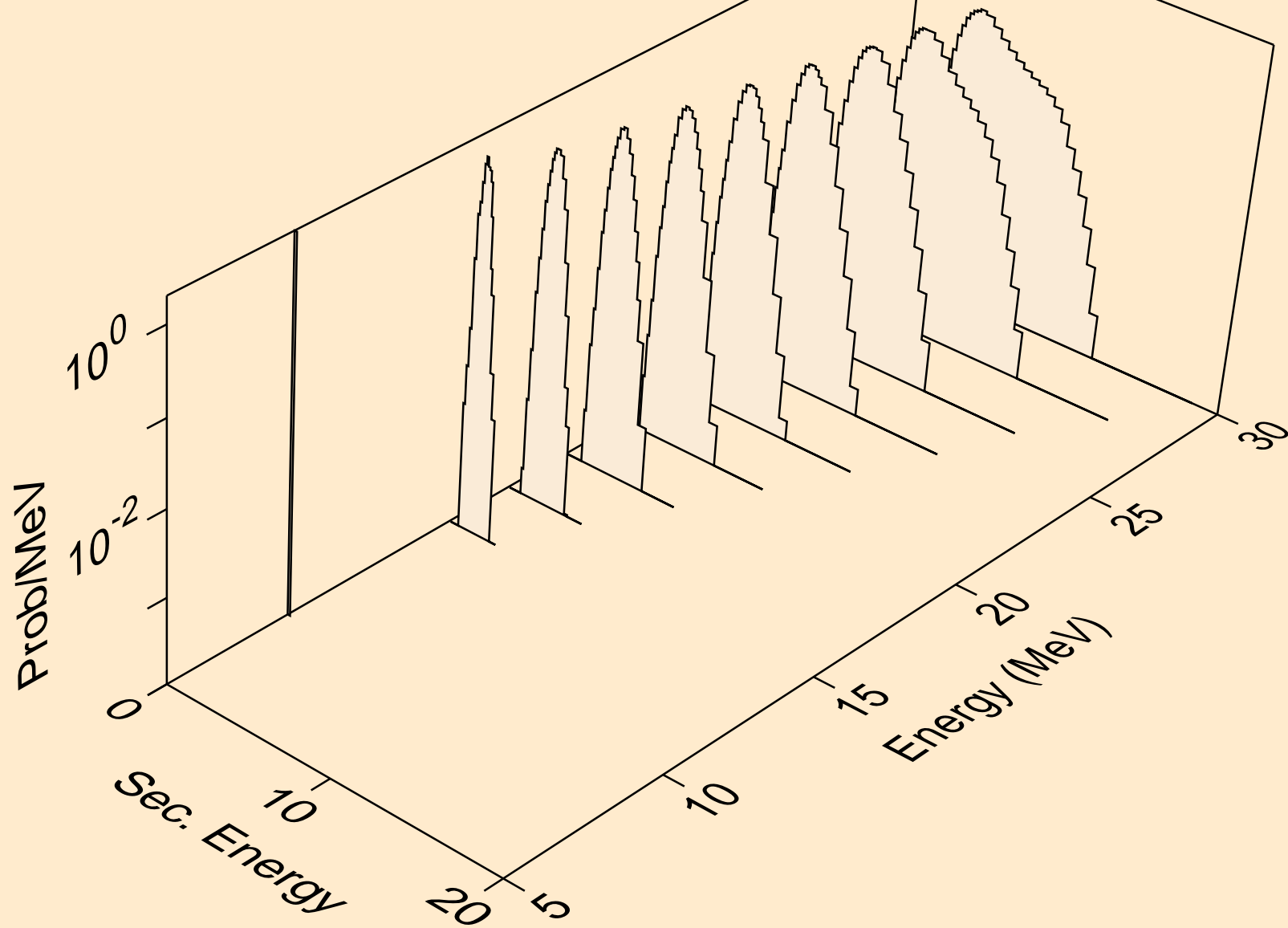
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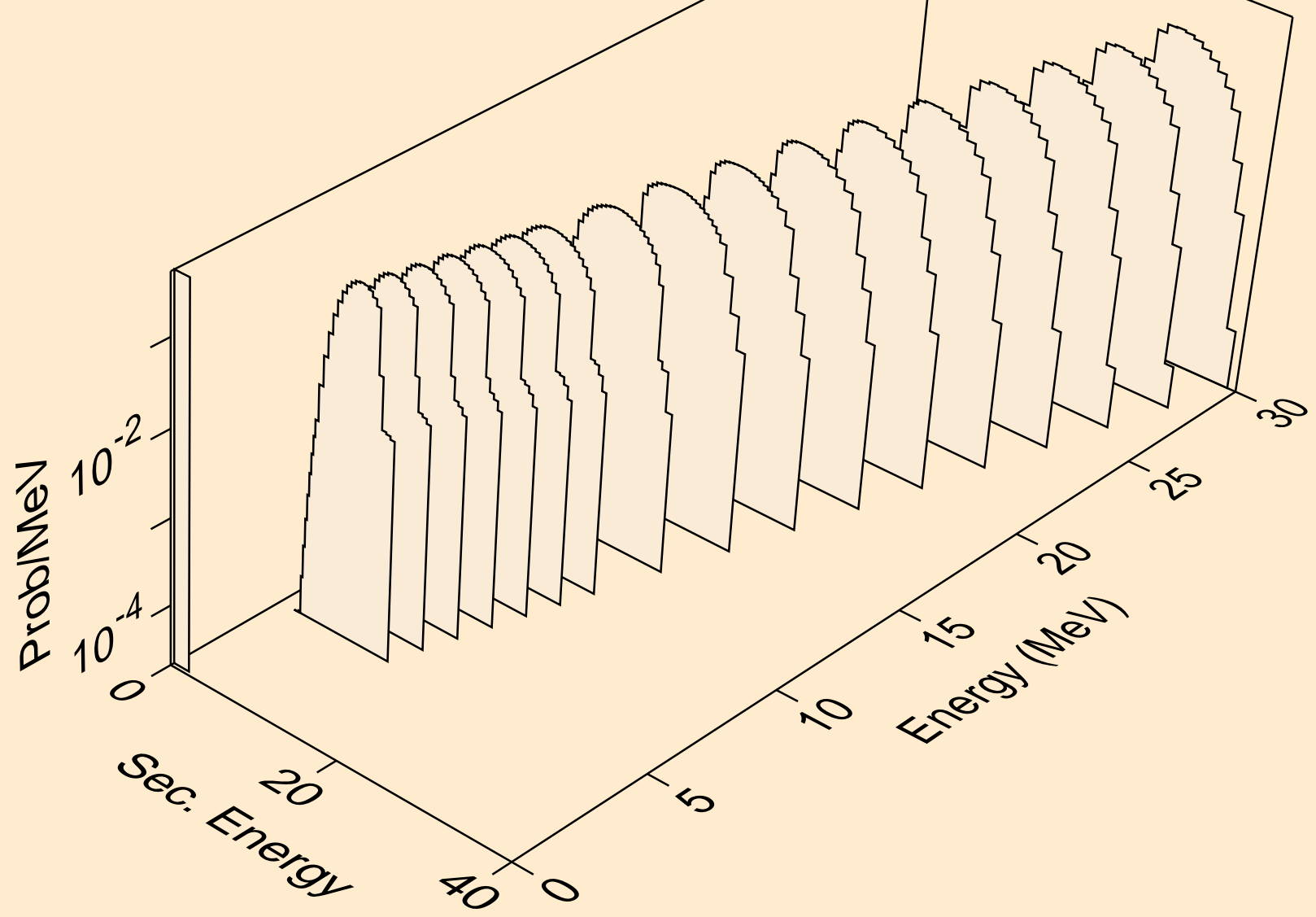
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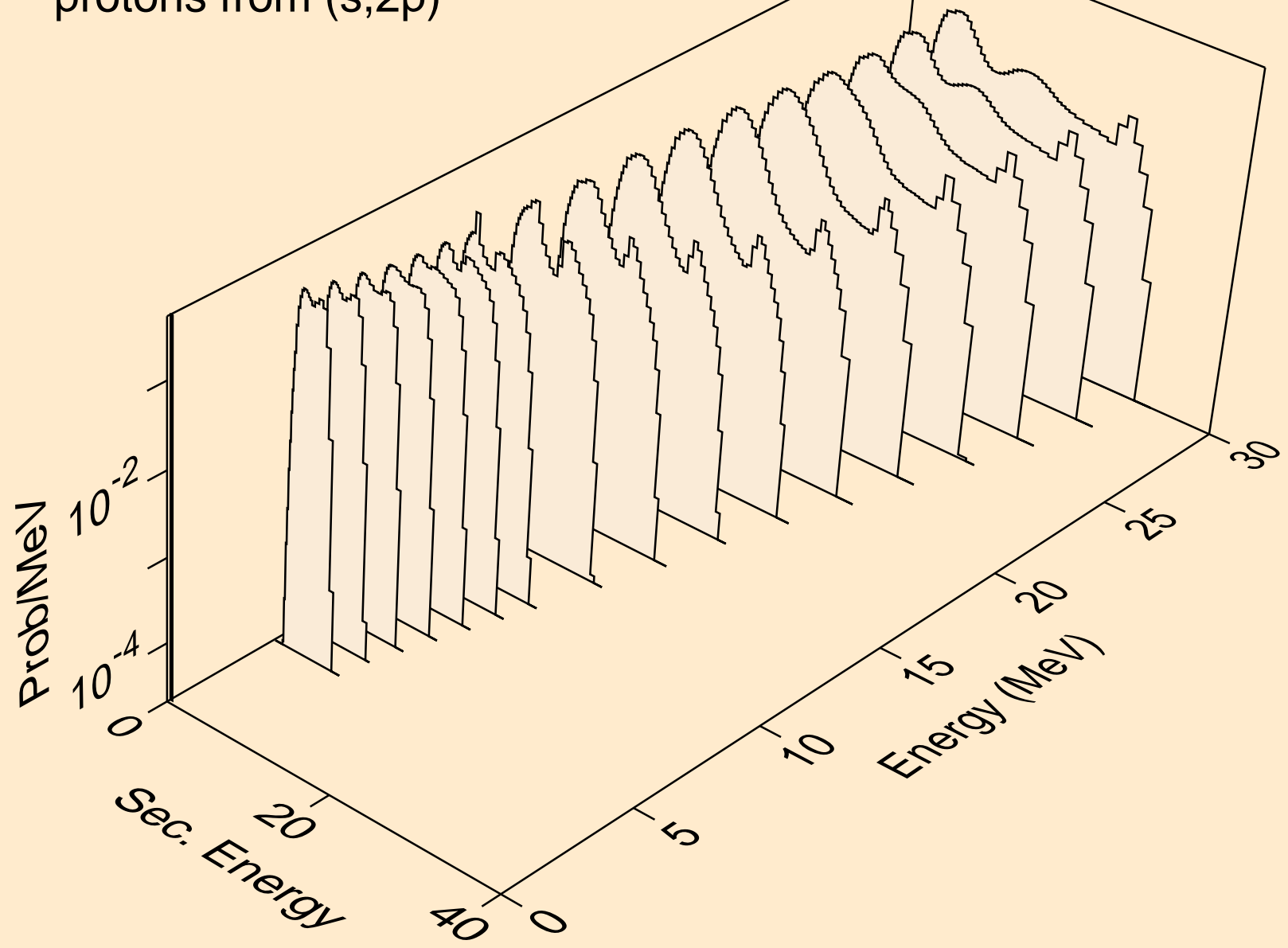
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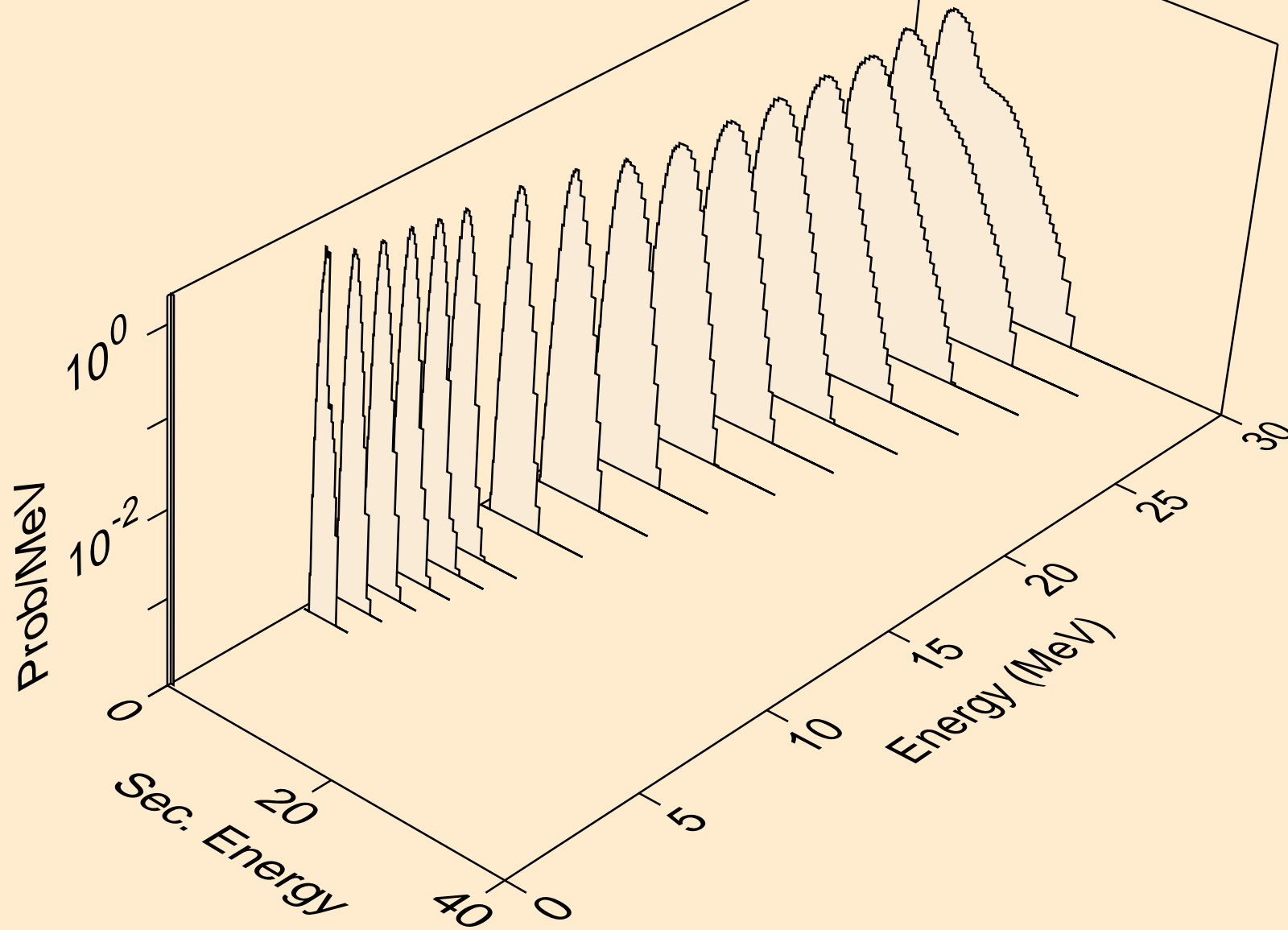
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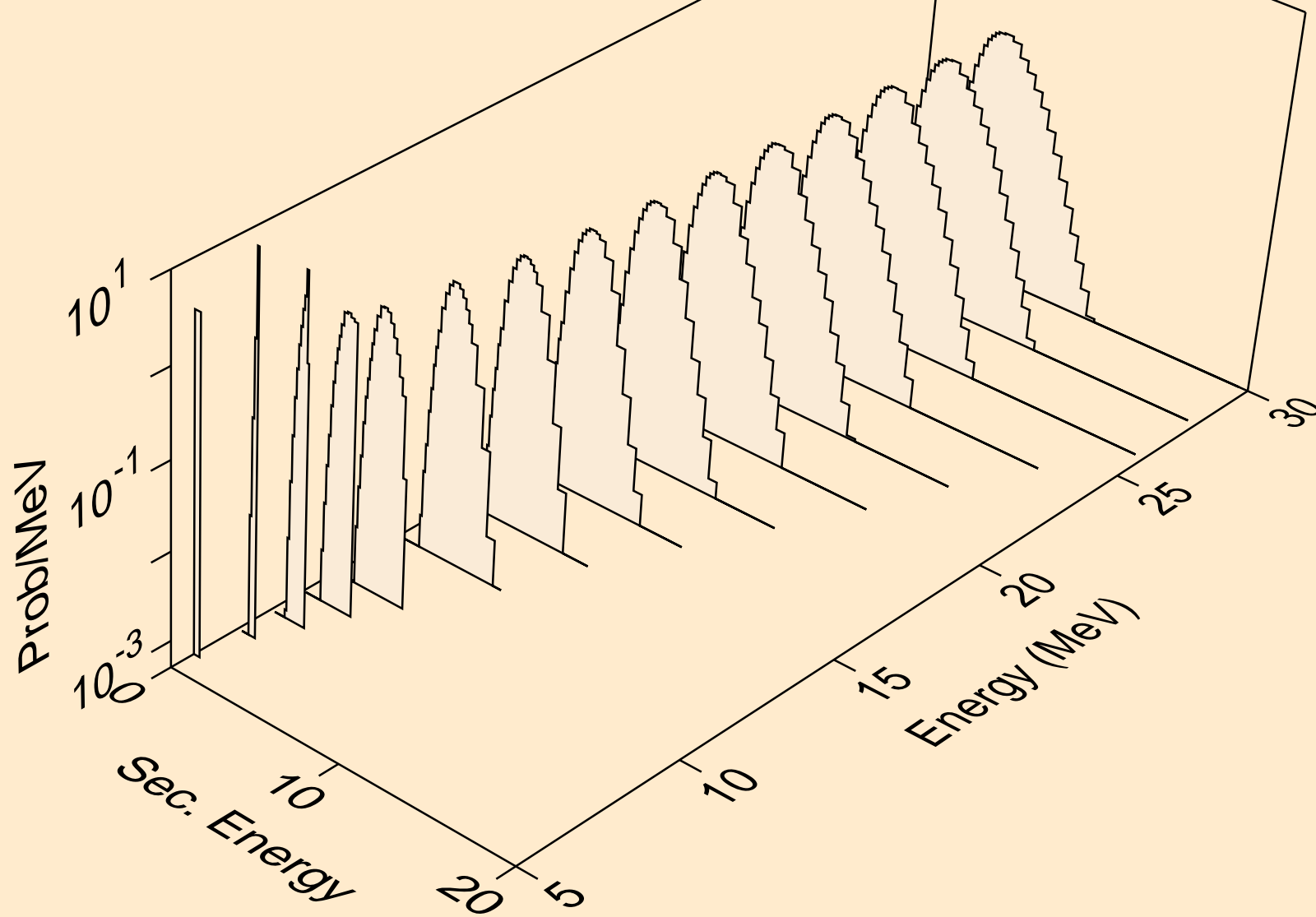


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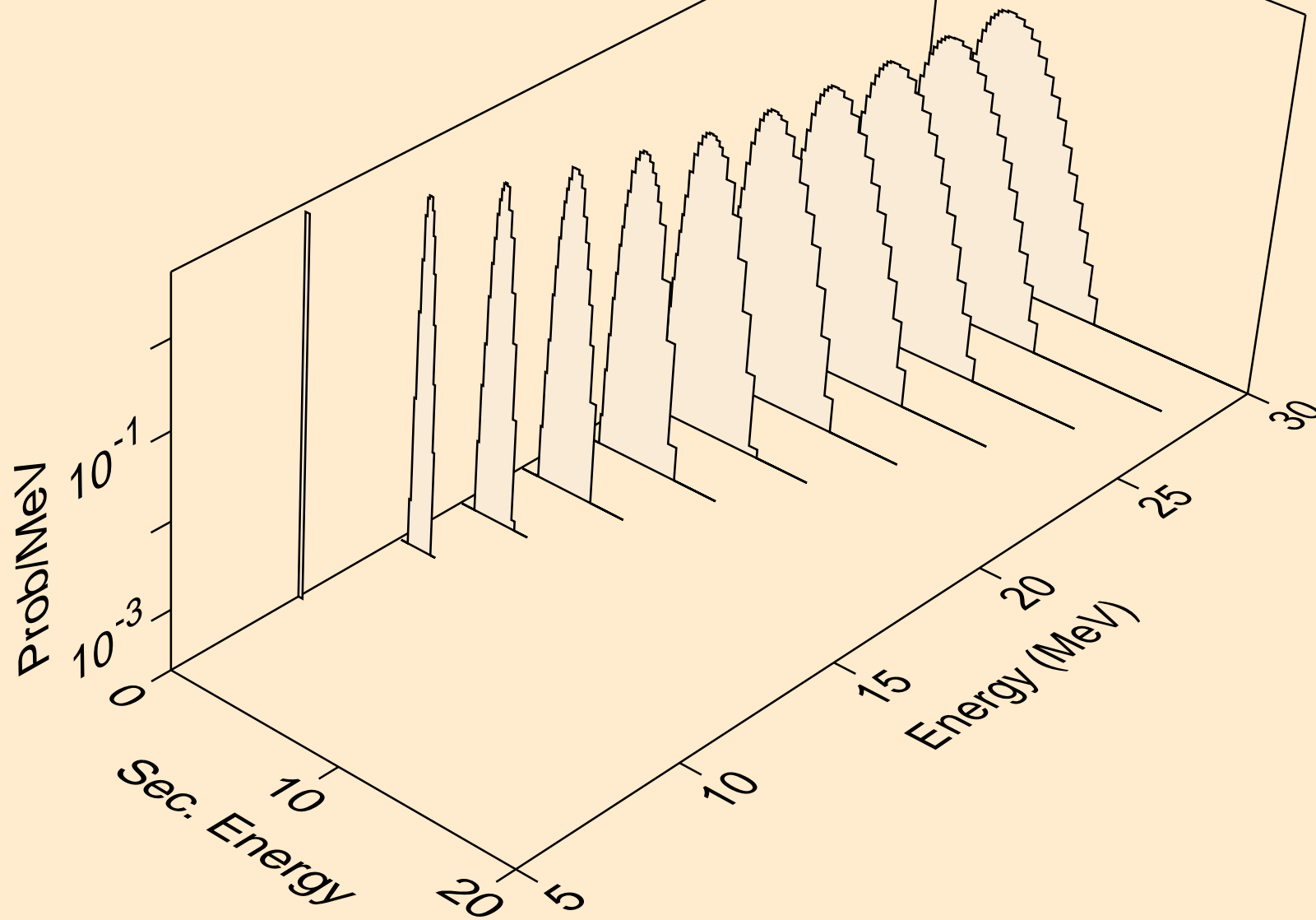




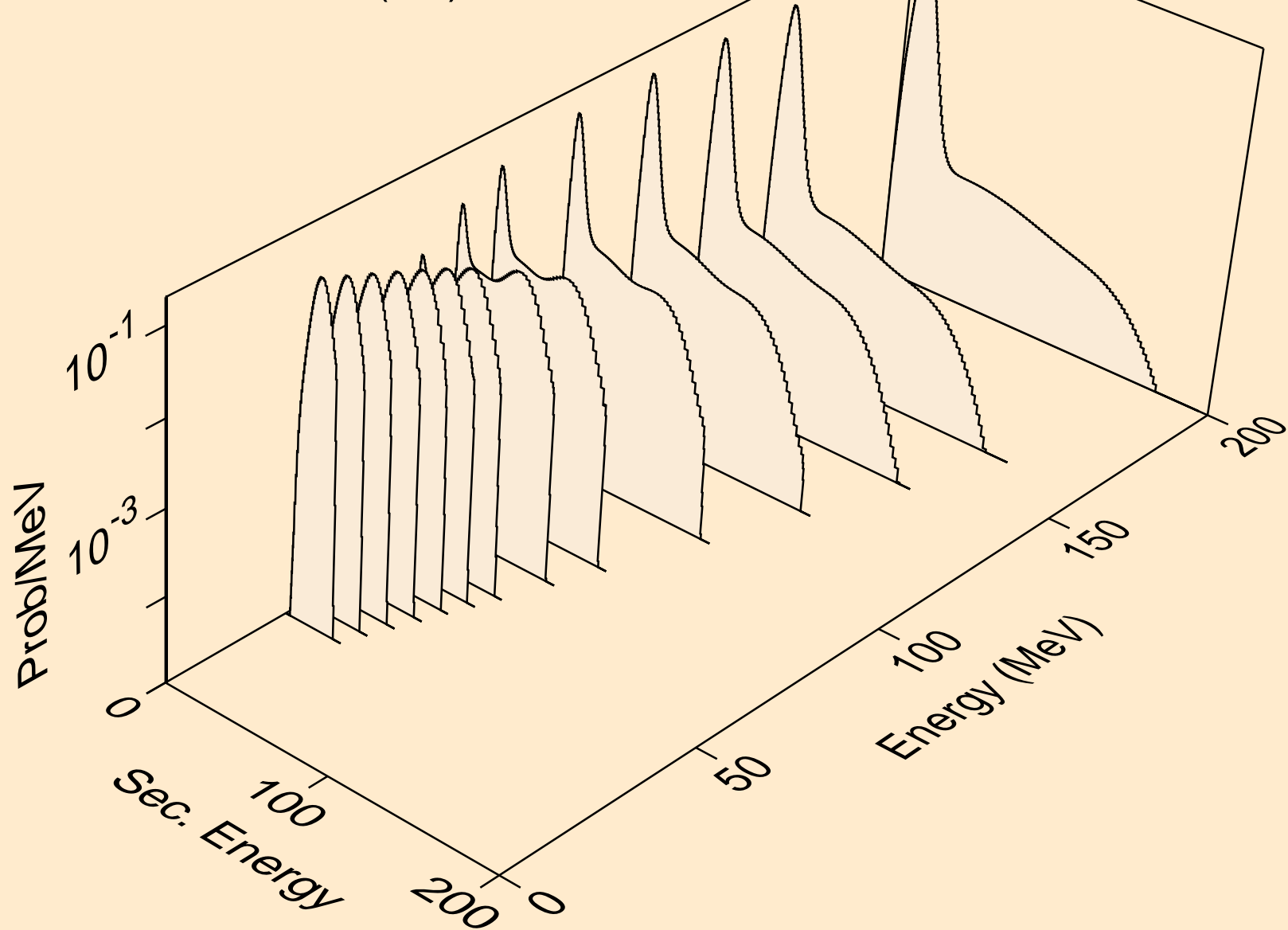
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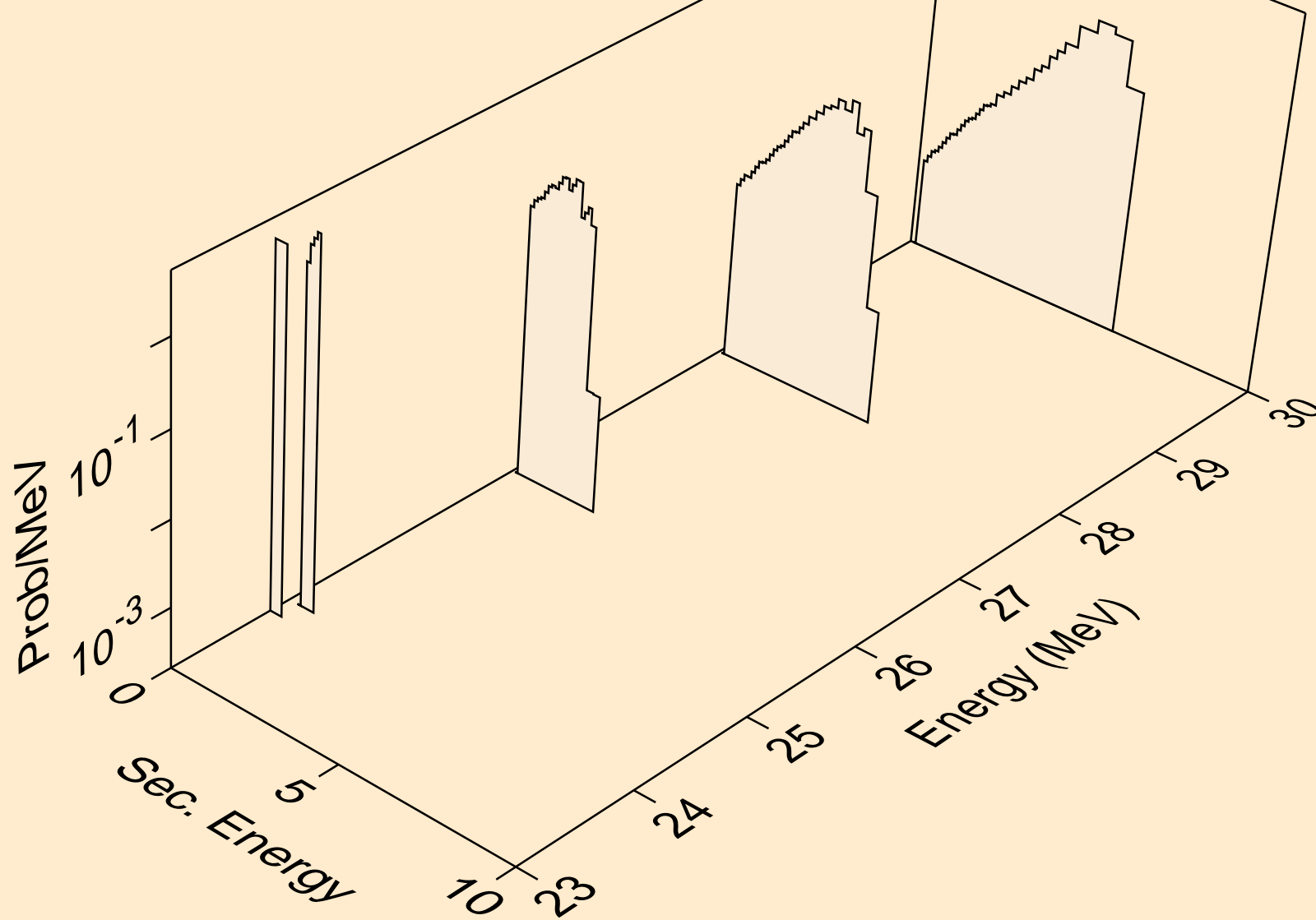
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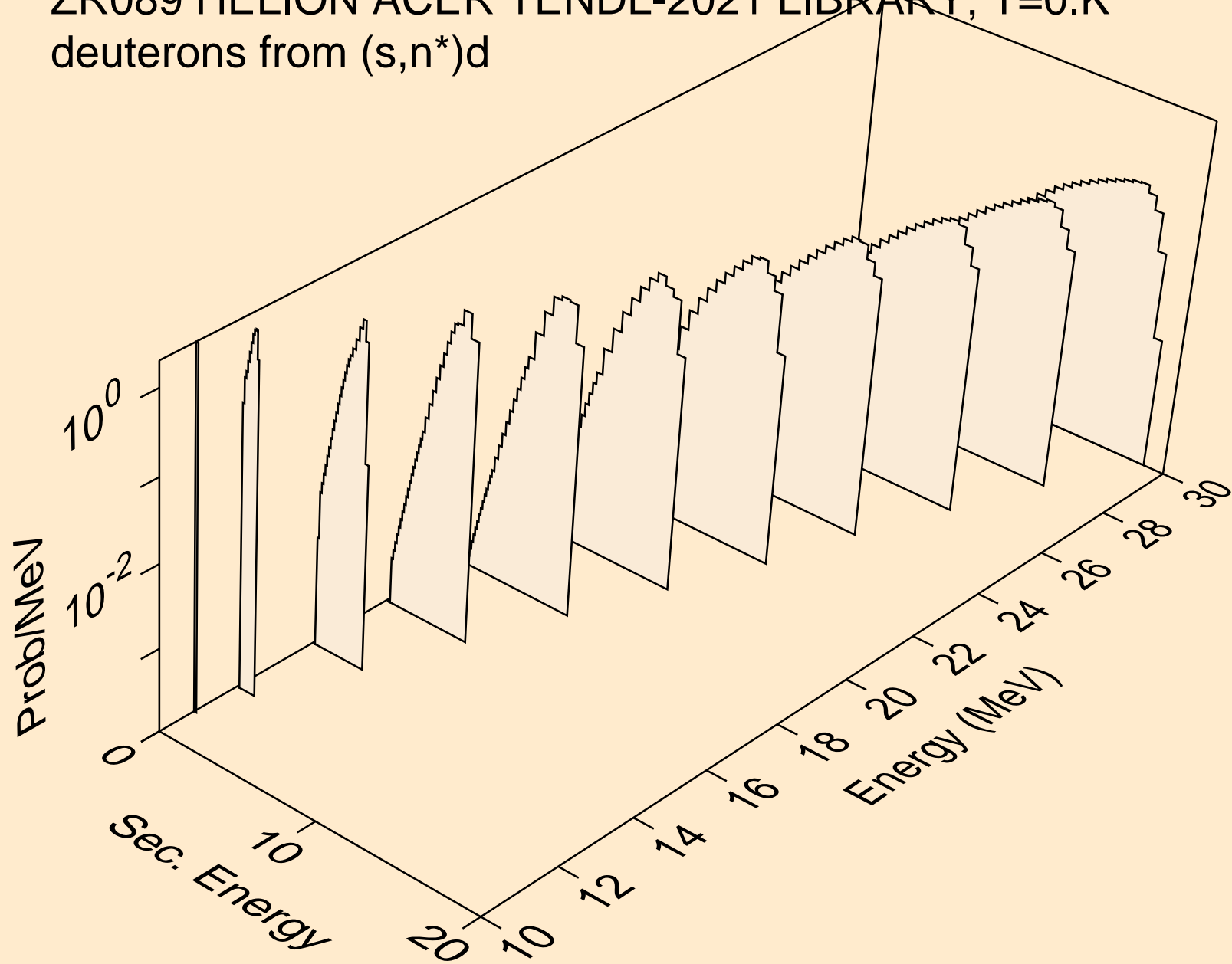
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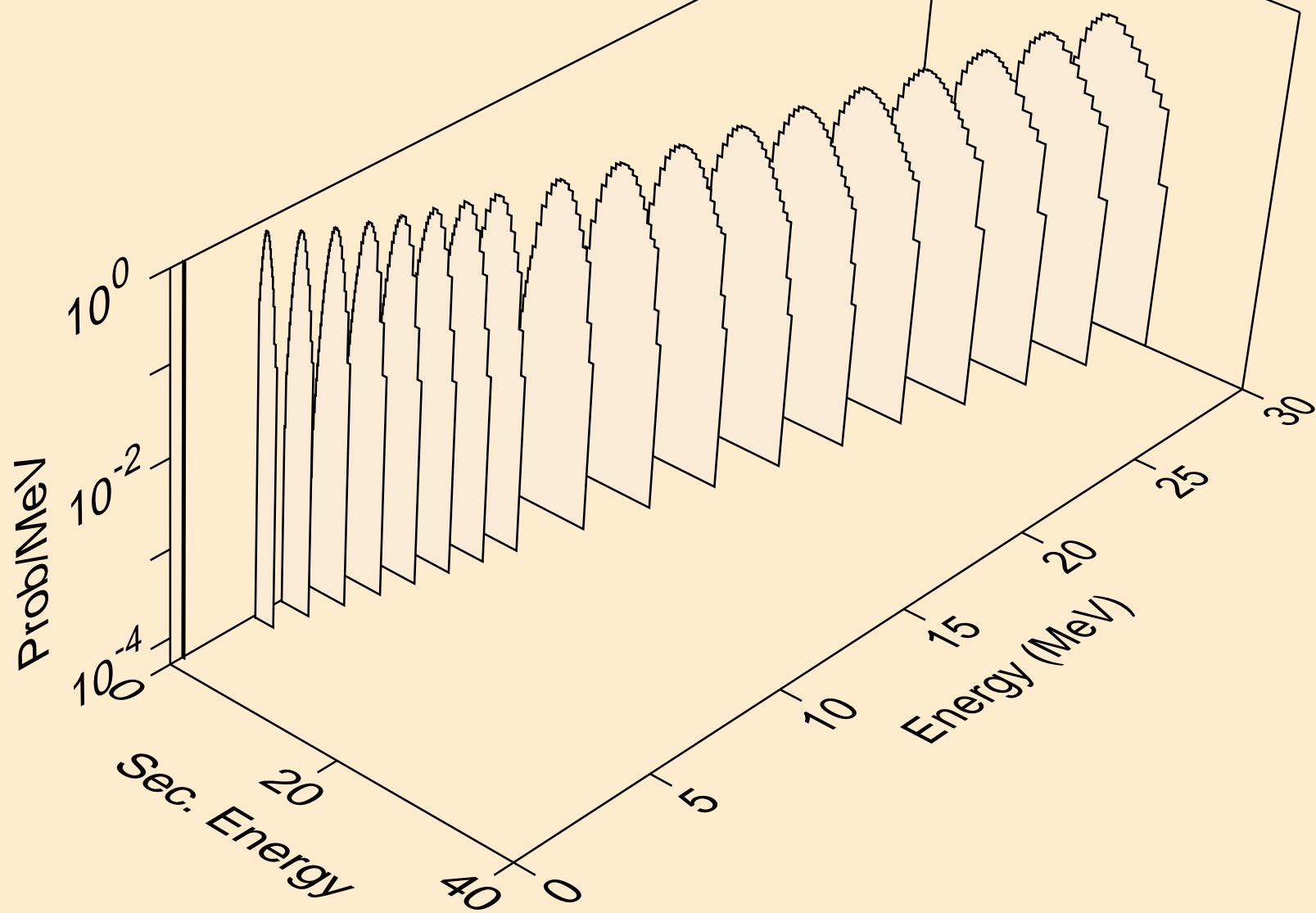
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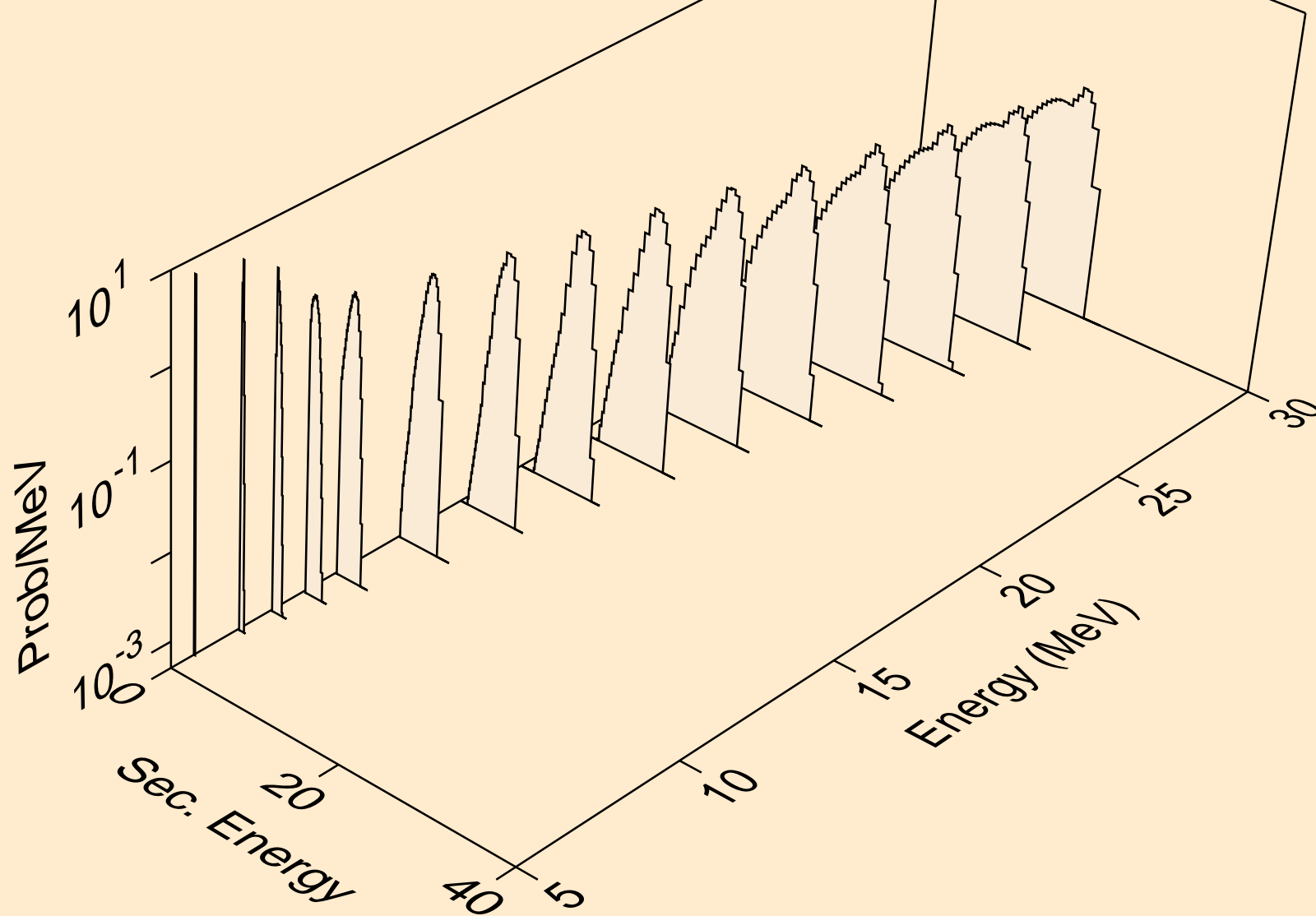
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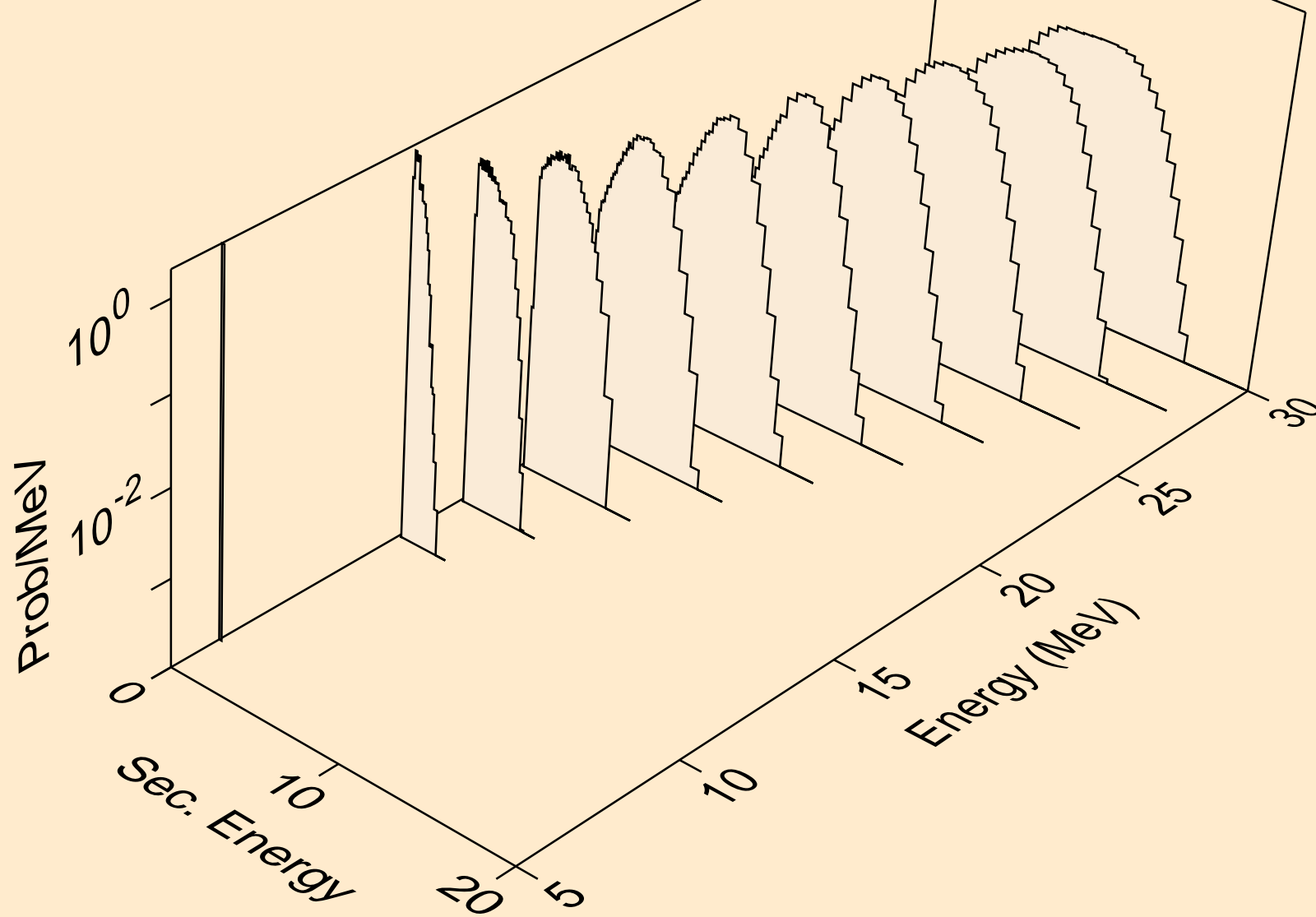
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ZR089 HELION ACER TENDL-2021 LIBRARY; T=0.K  
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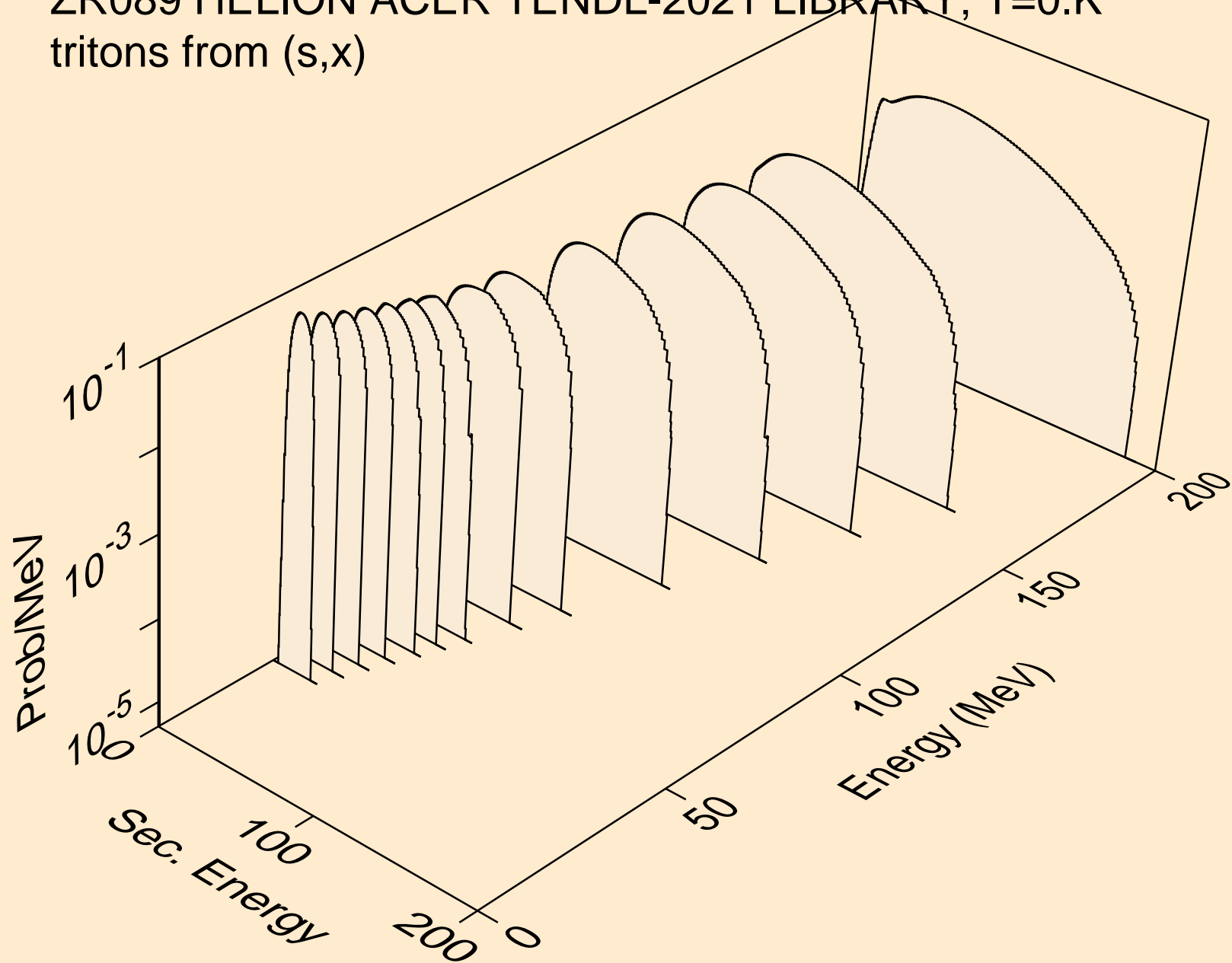


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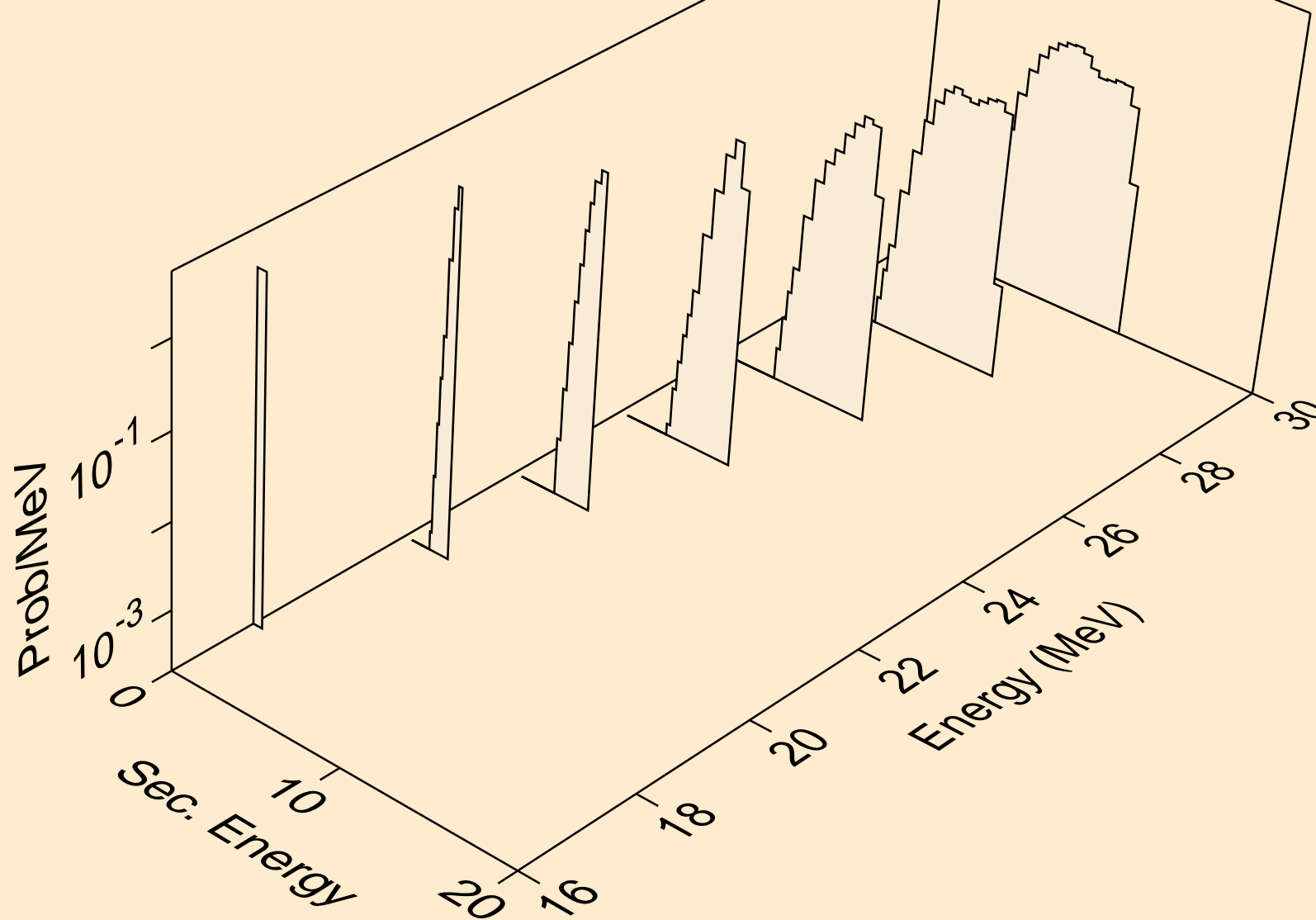




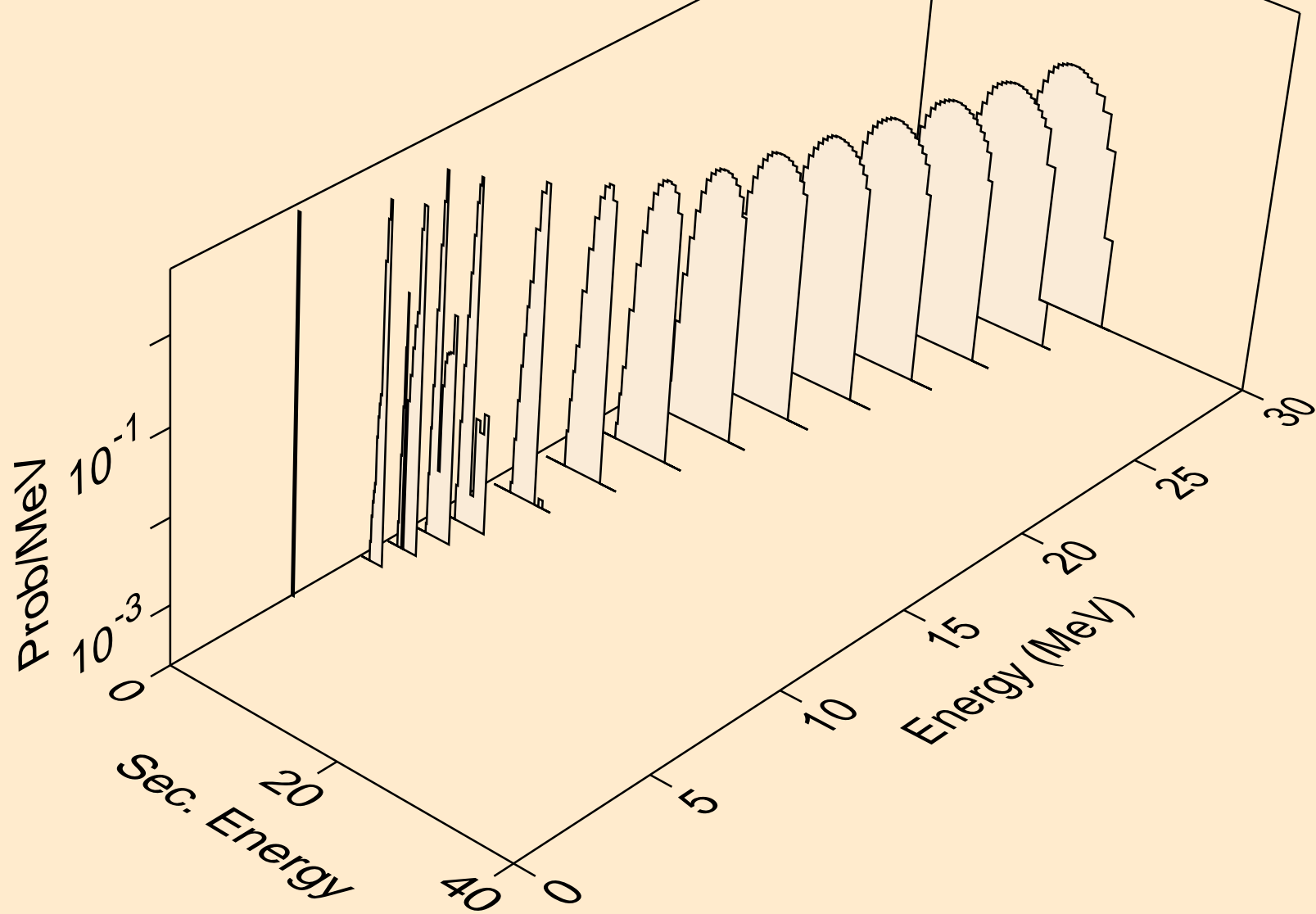
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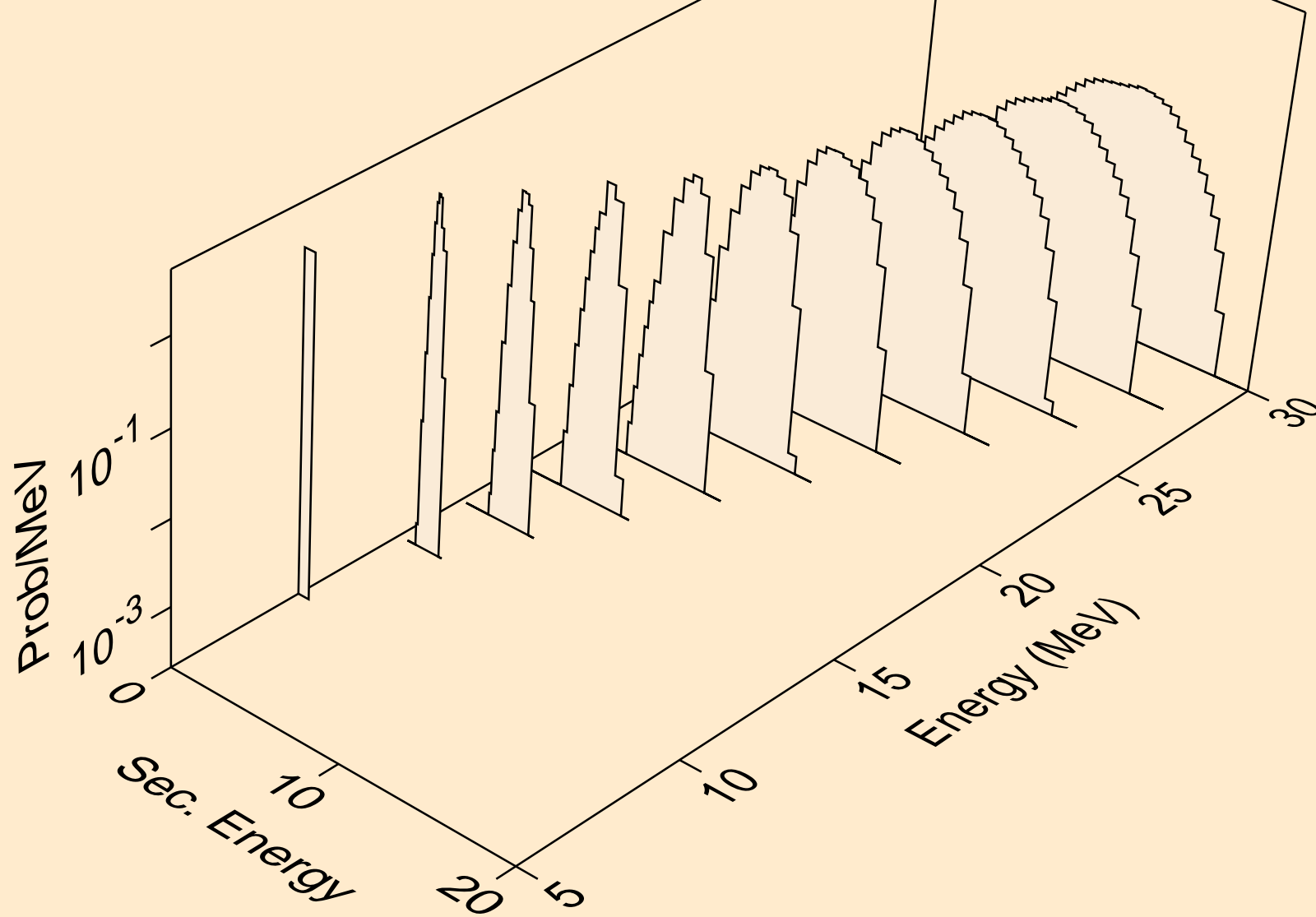
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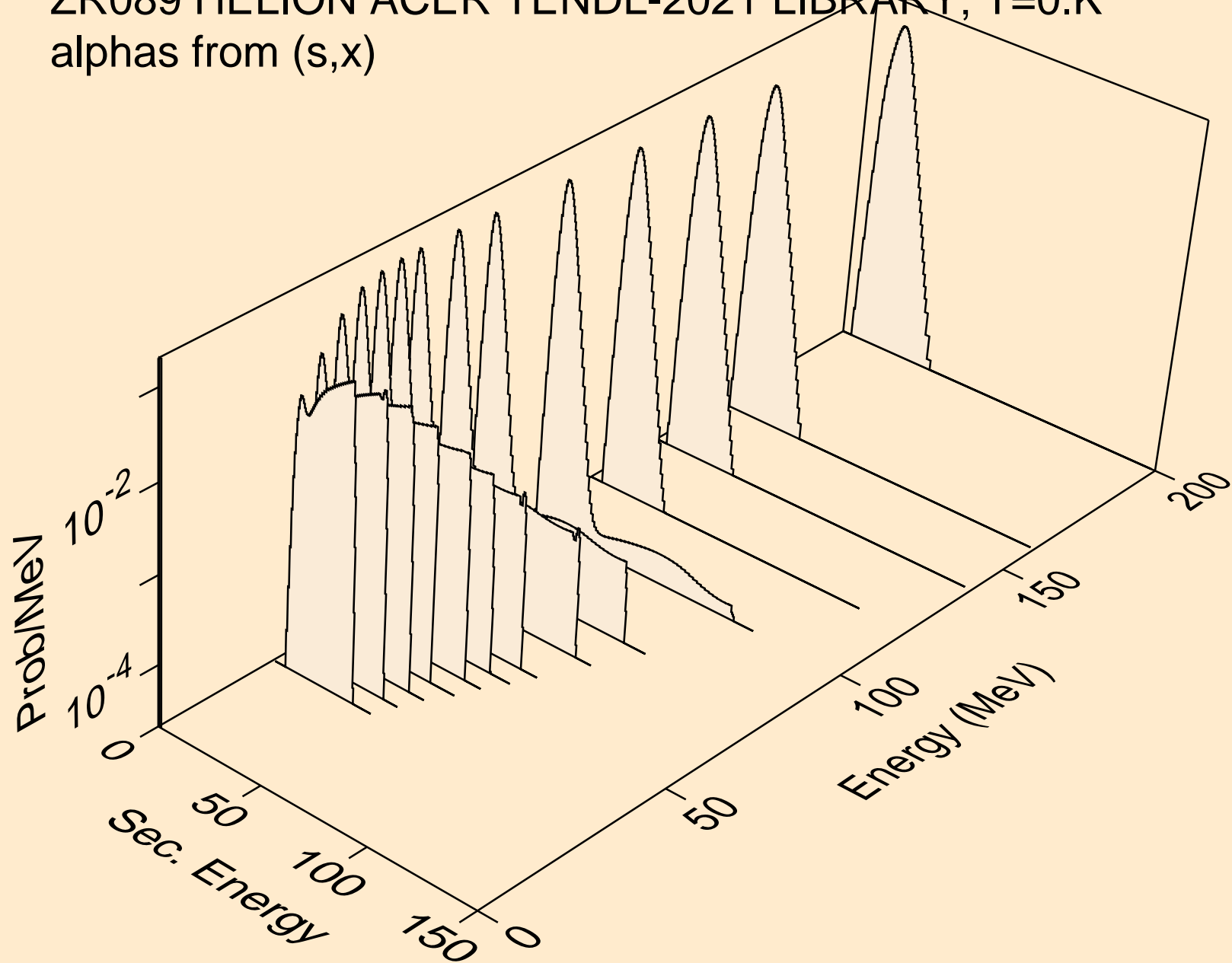
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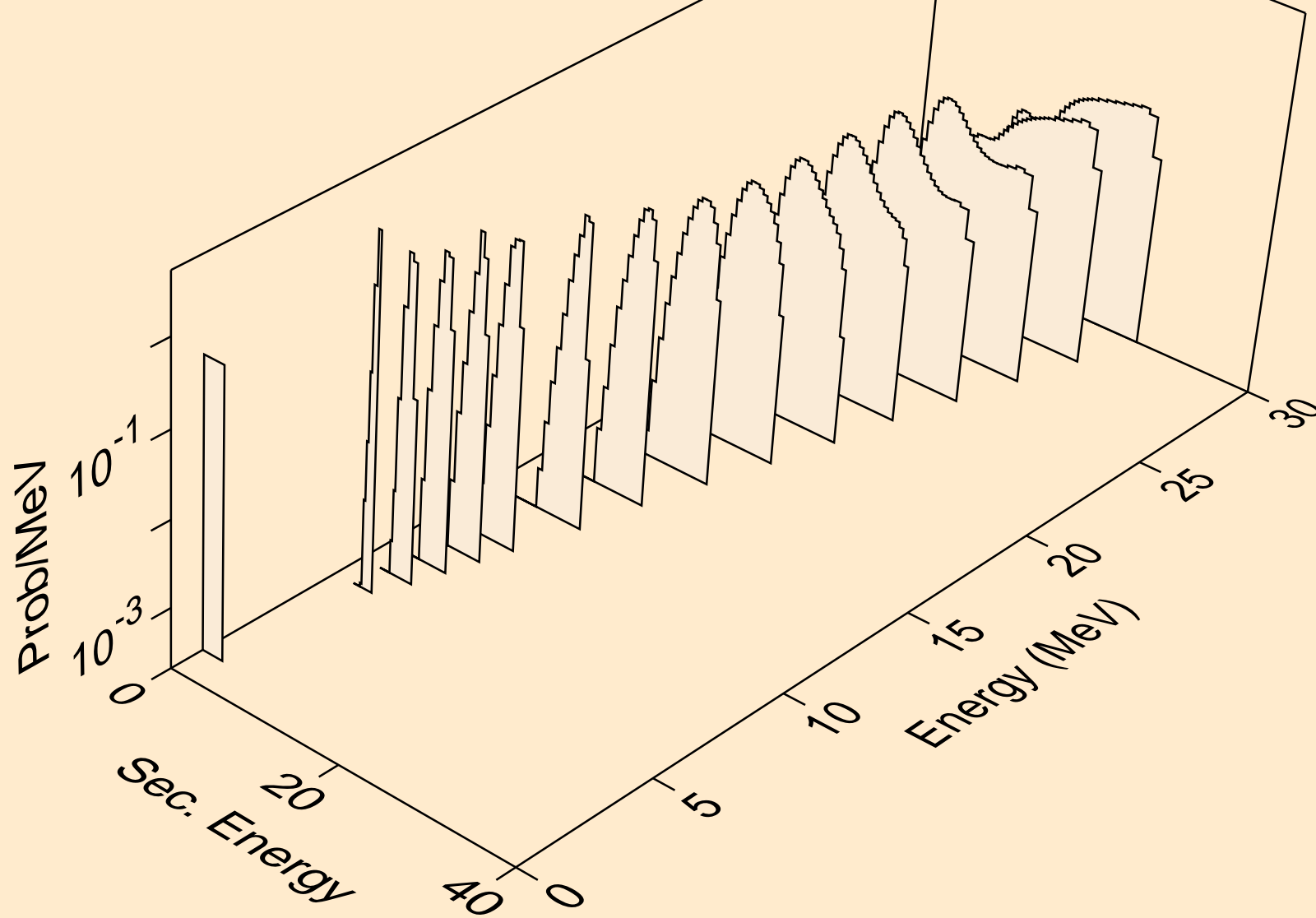
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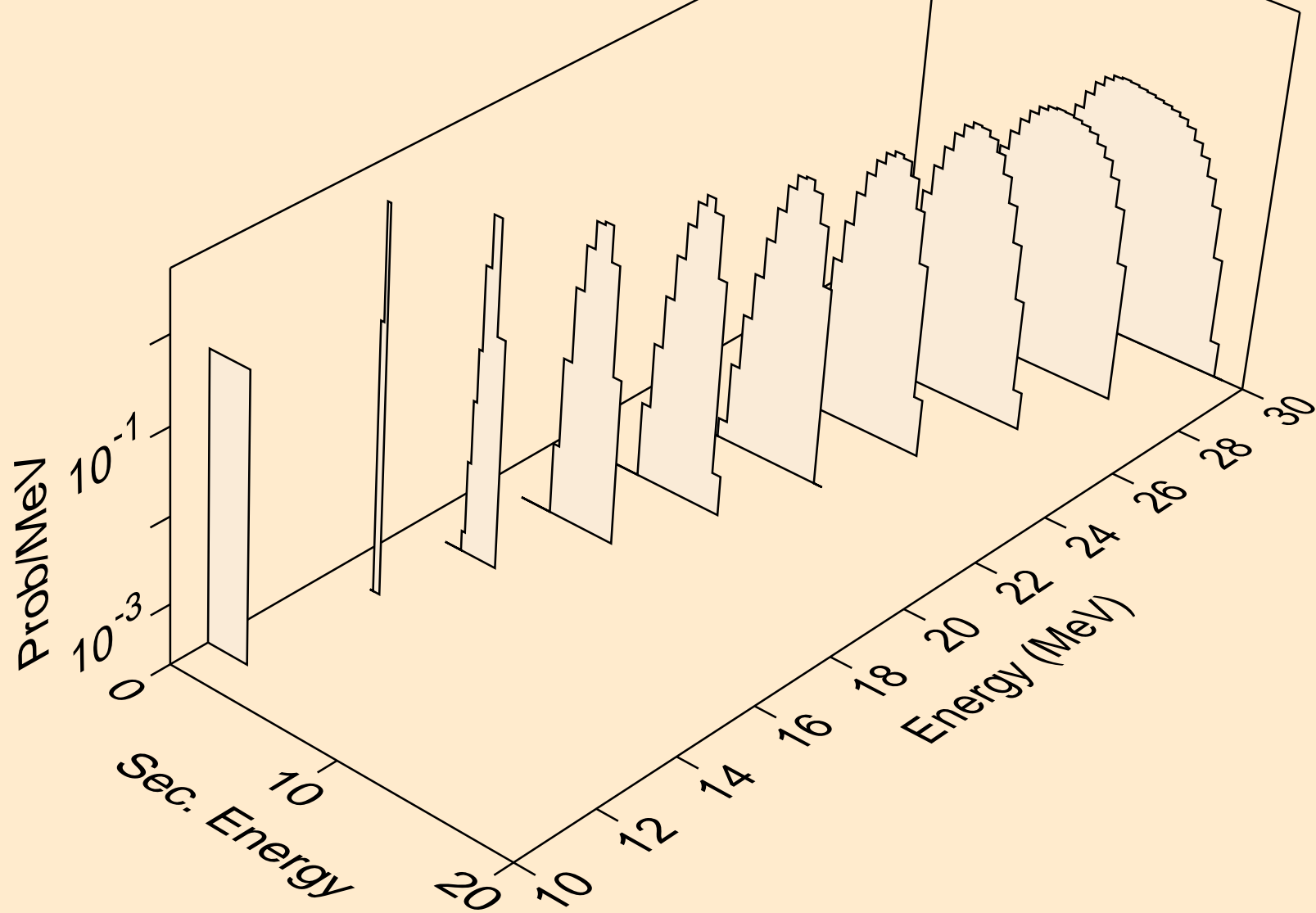
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alphas from (s,x)



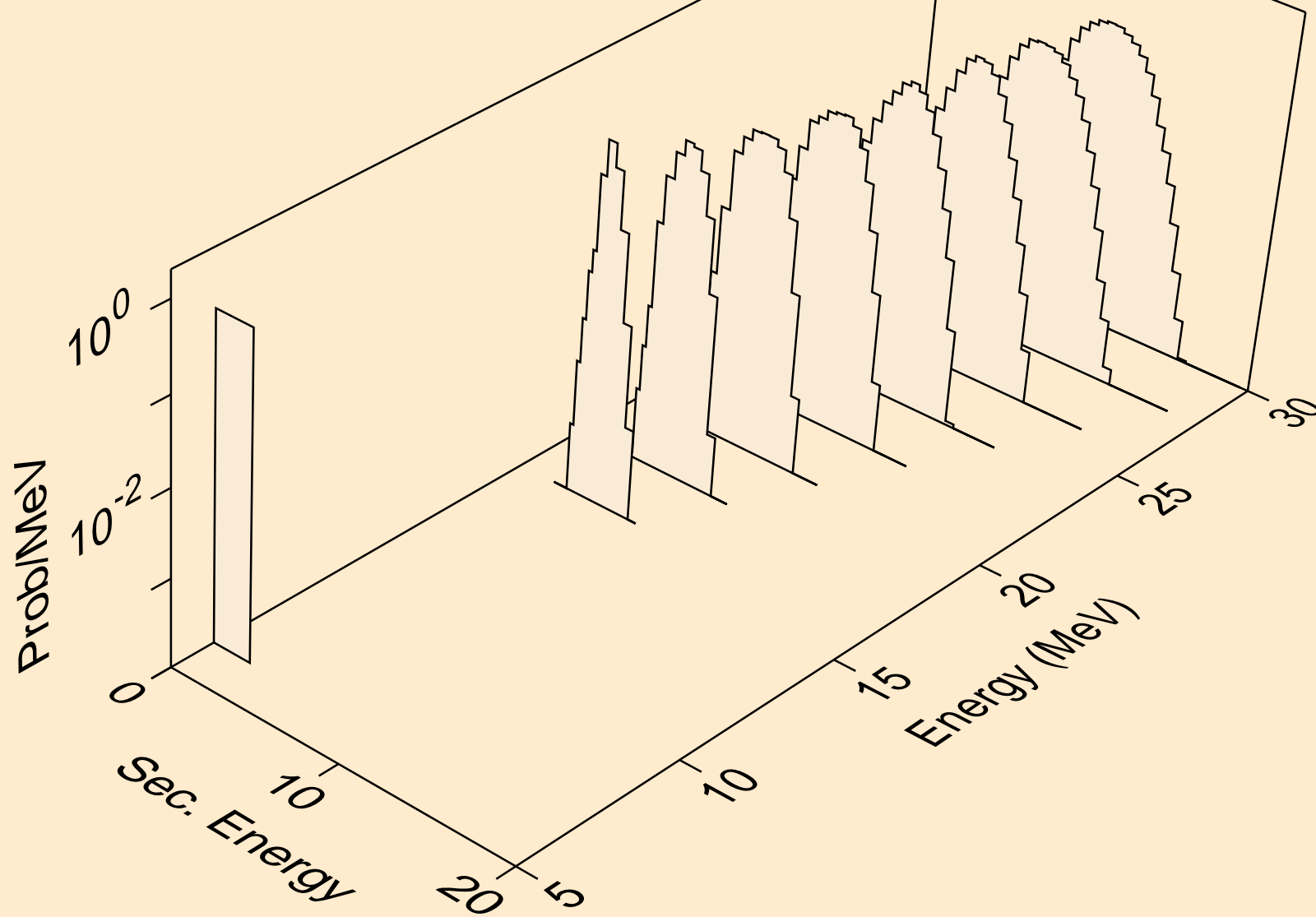
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ZR089 HELION ACER TENDL-2021 LIBRARY; T=0.K  
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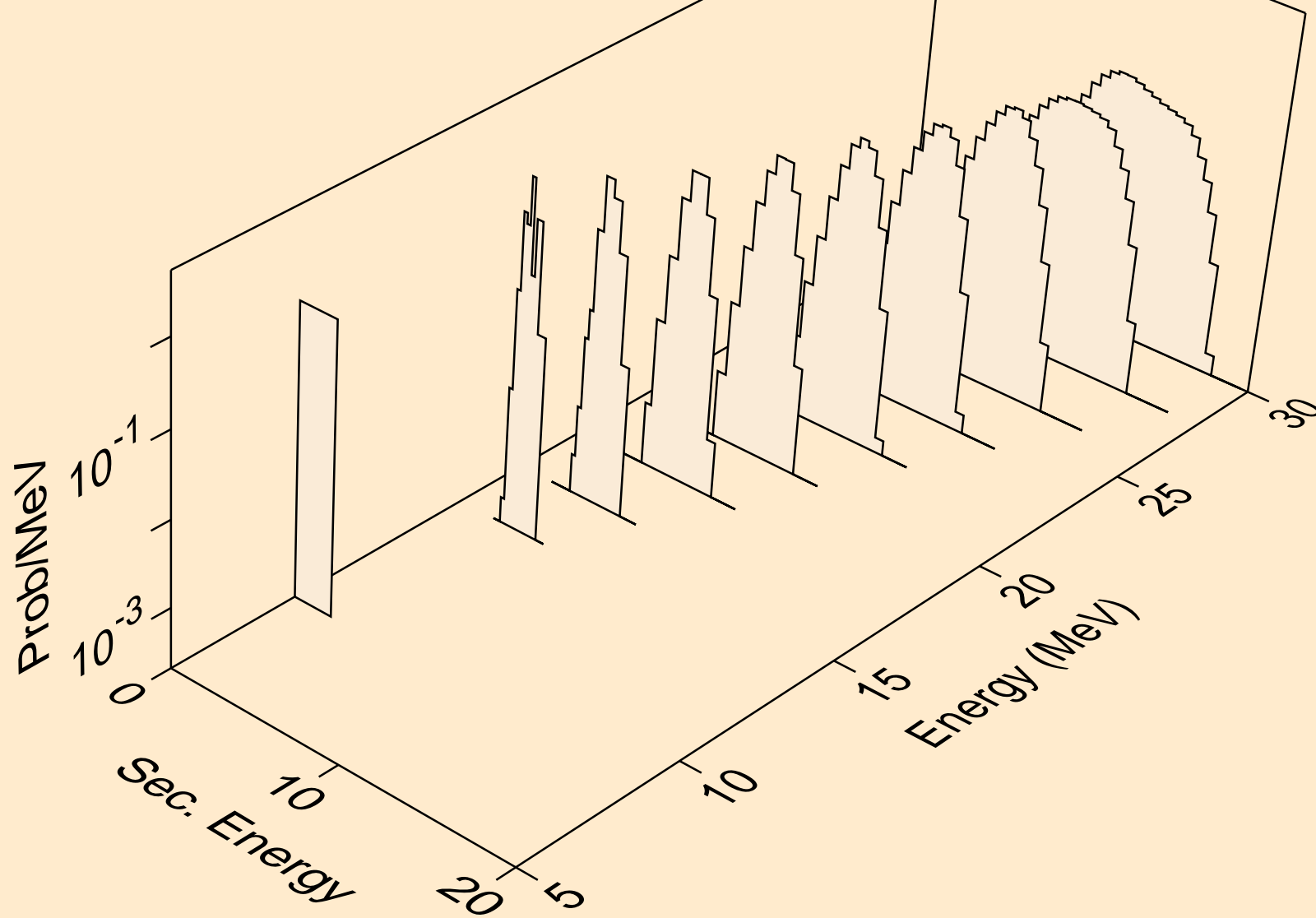


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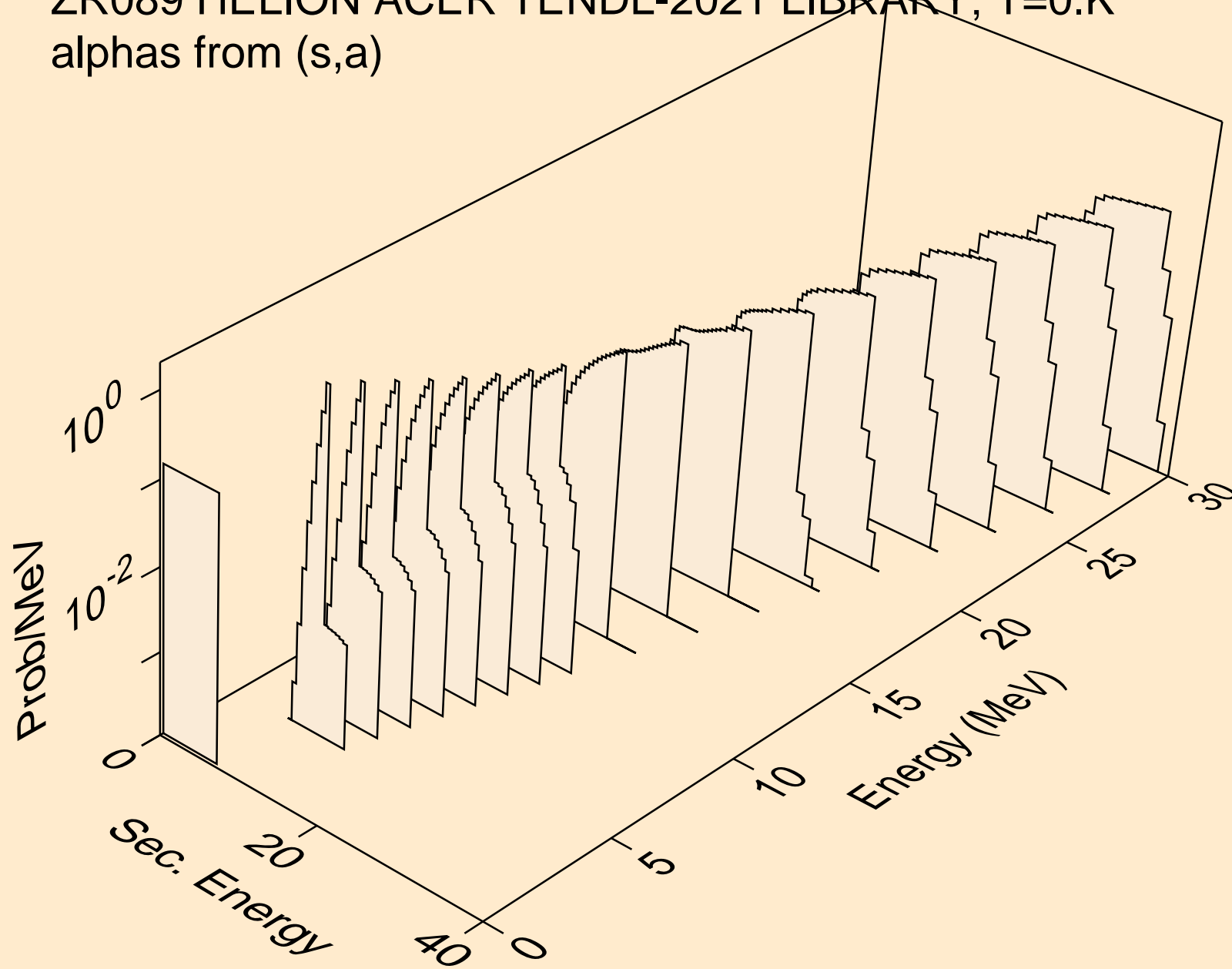




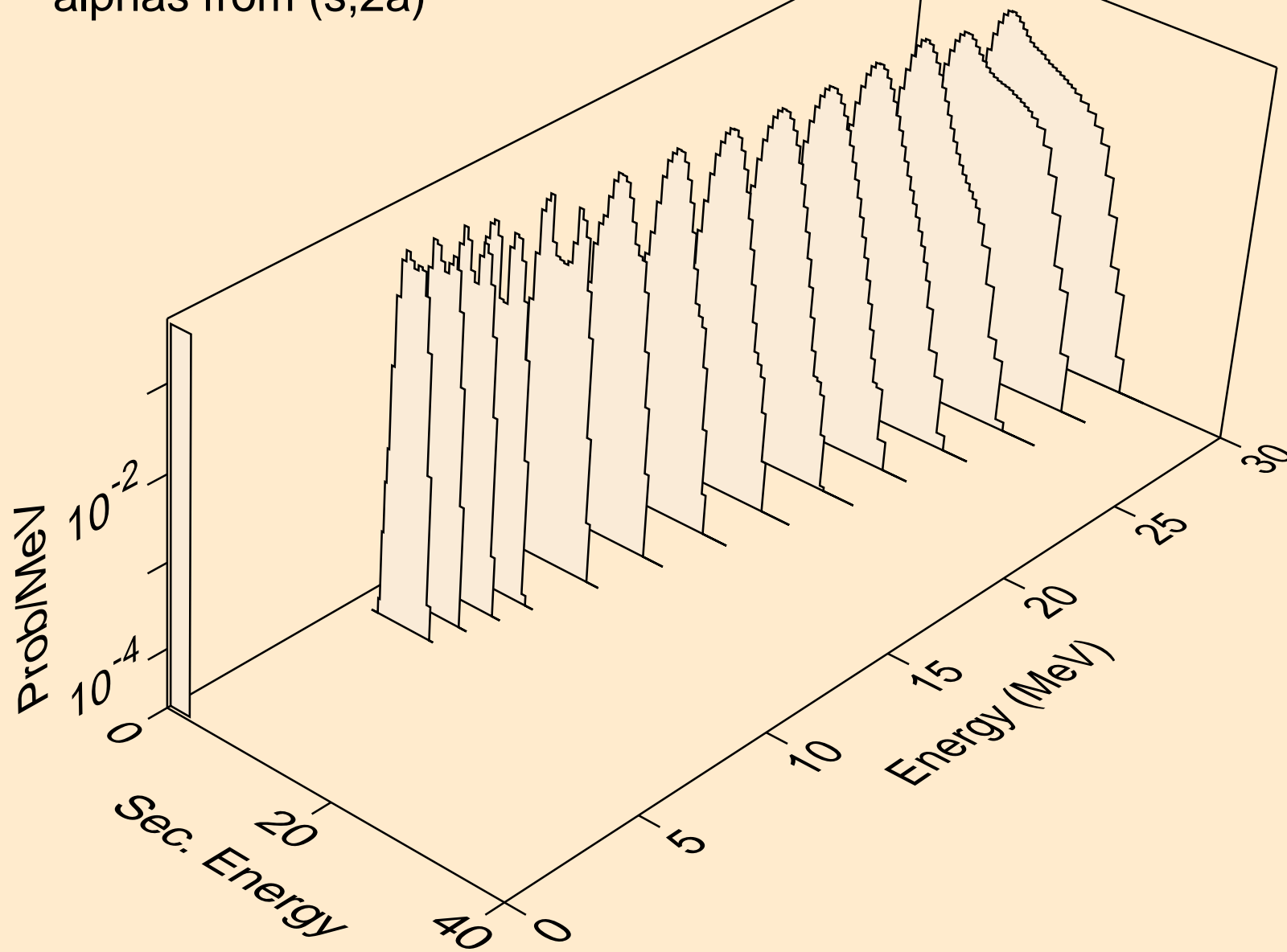
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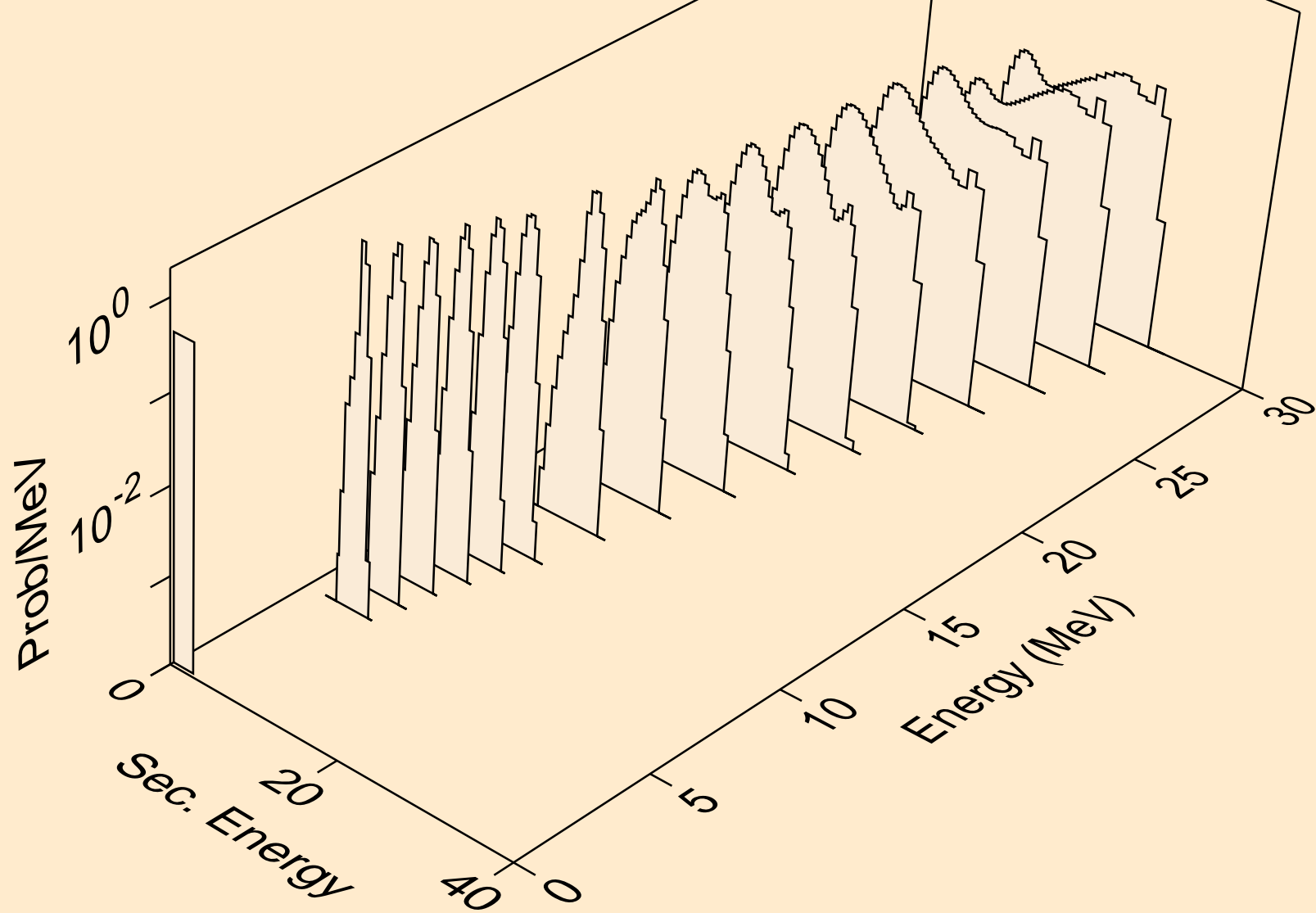
ZR089 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,a)



ZR089 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,2a)



ZR089 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,pa)



ZR089 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,da)

