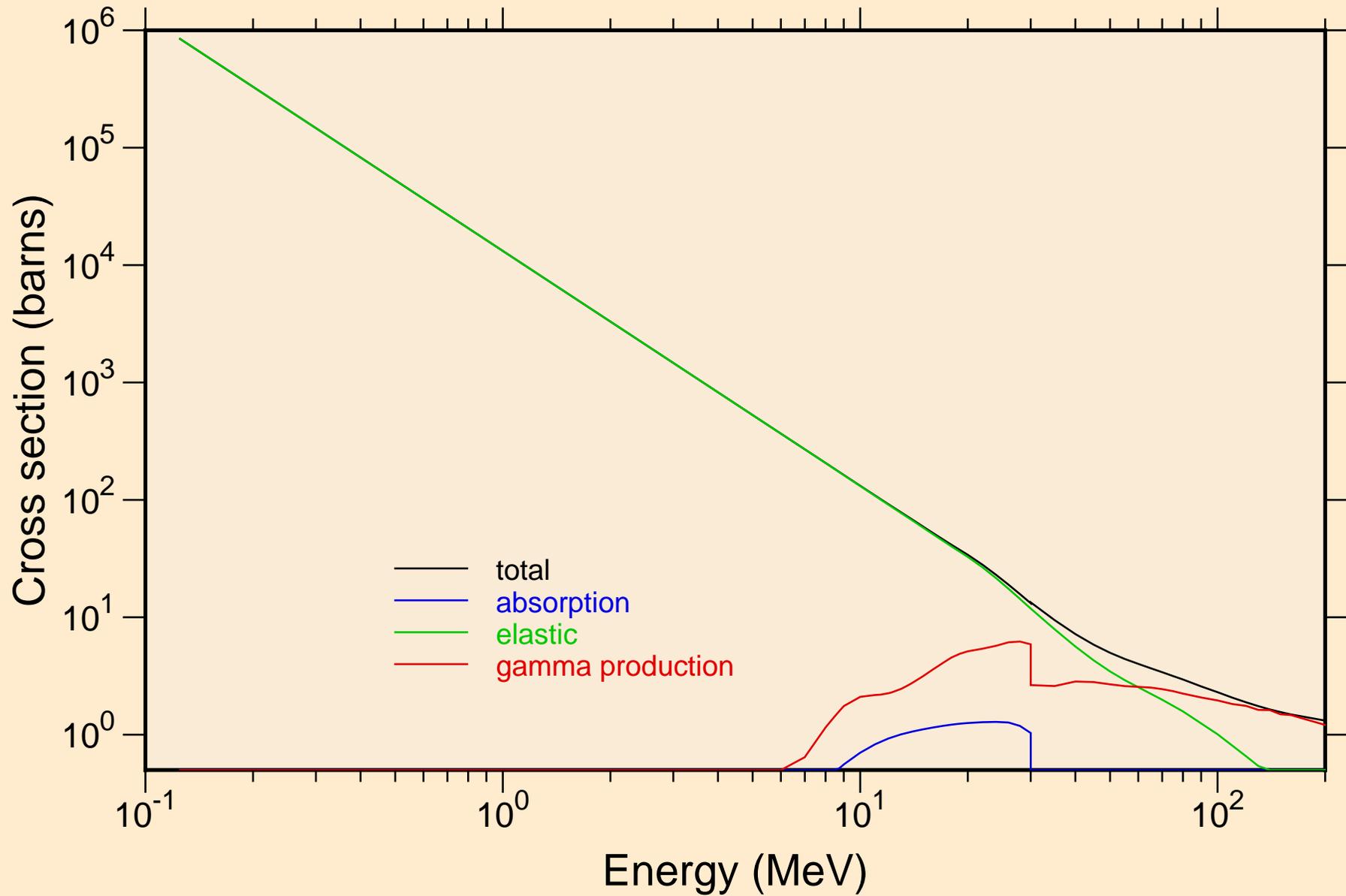
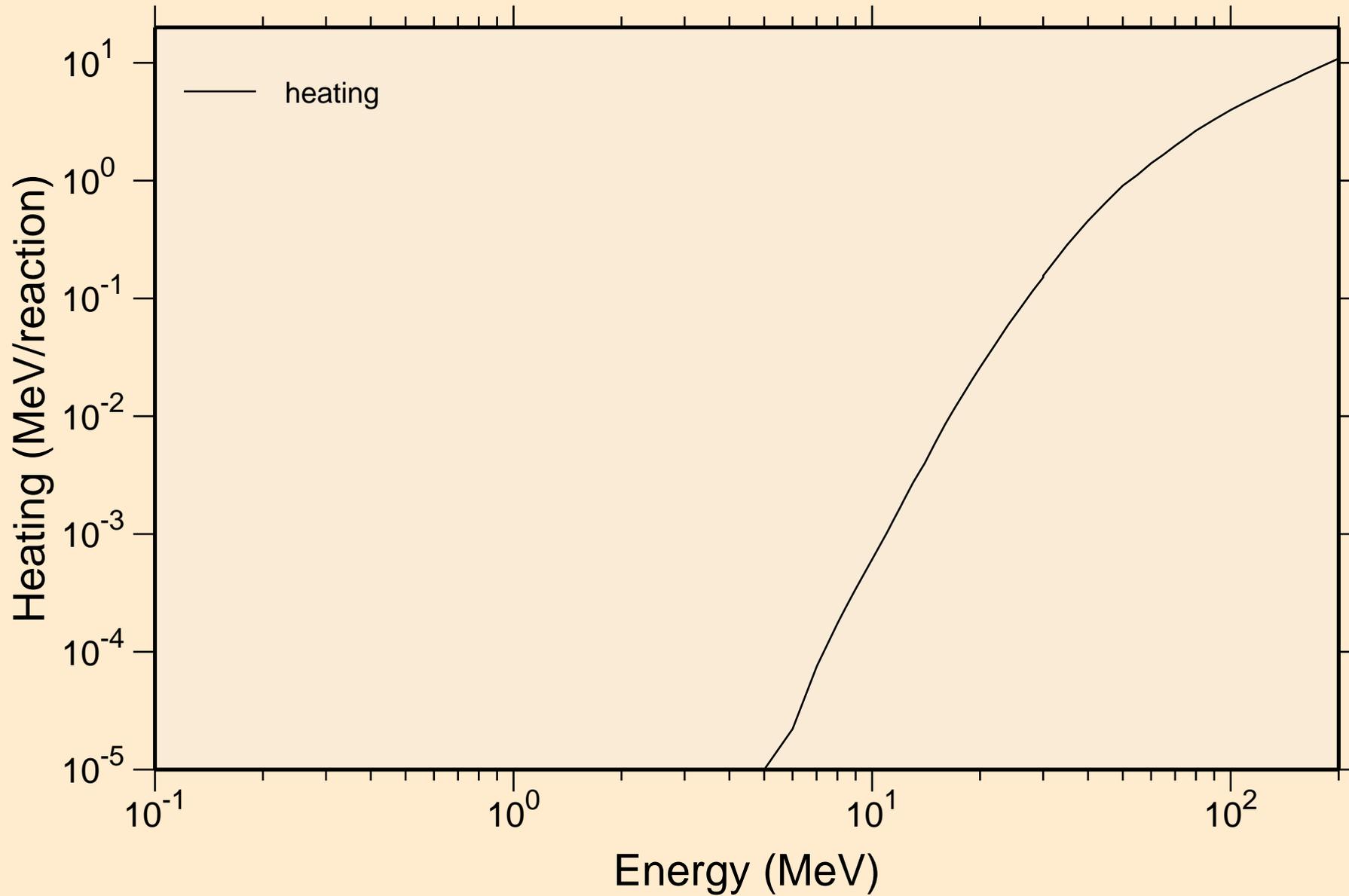


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## Principal cross sections

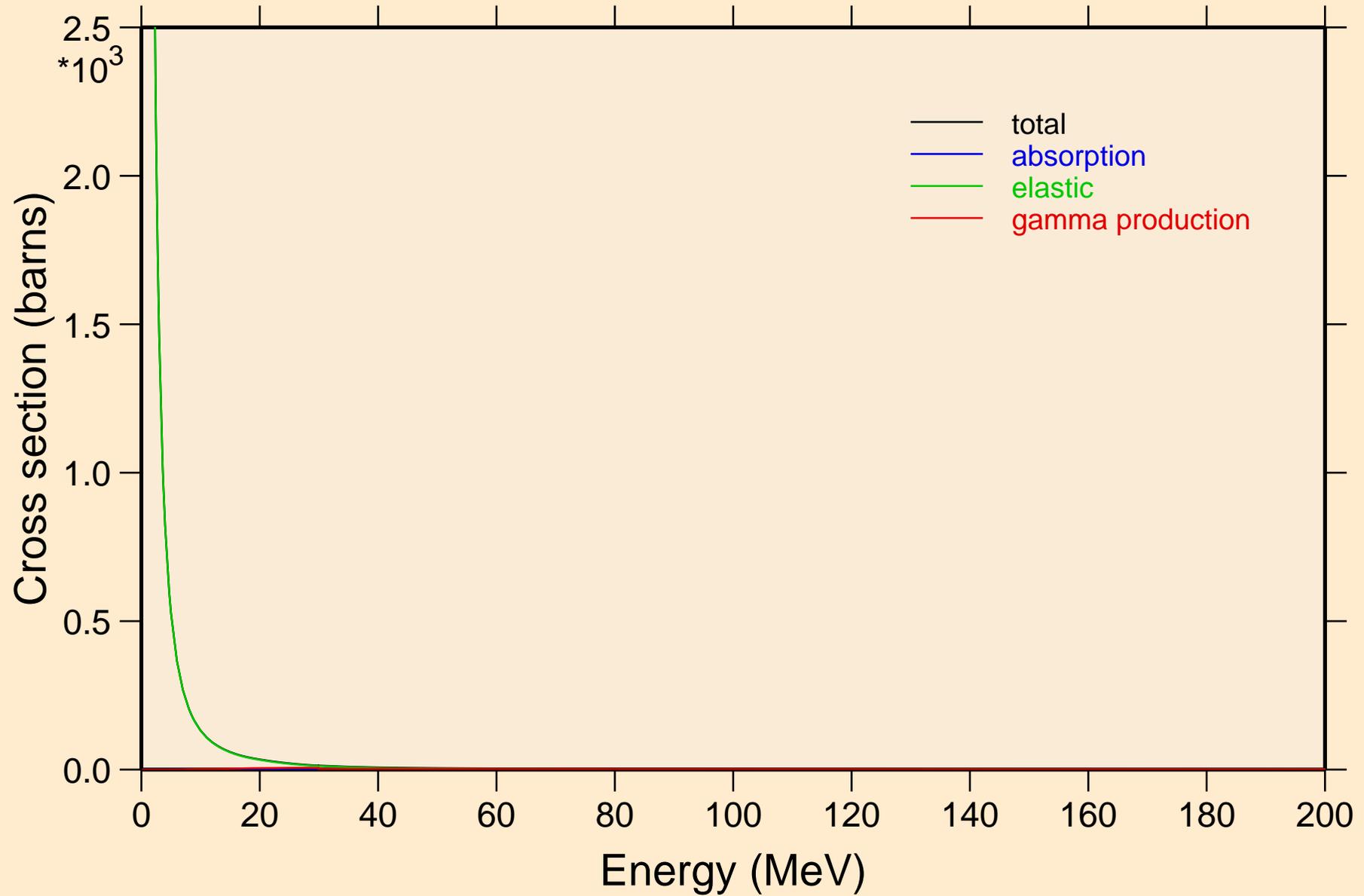


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Heating



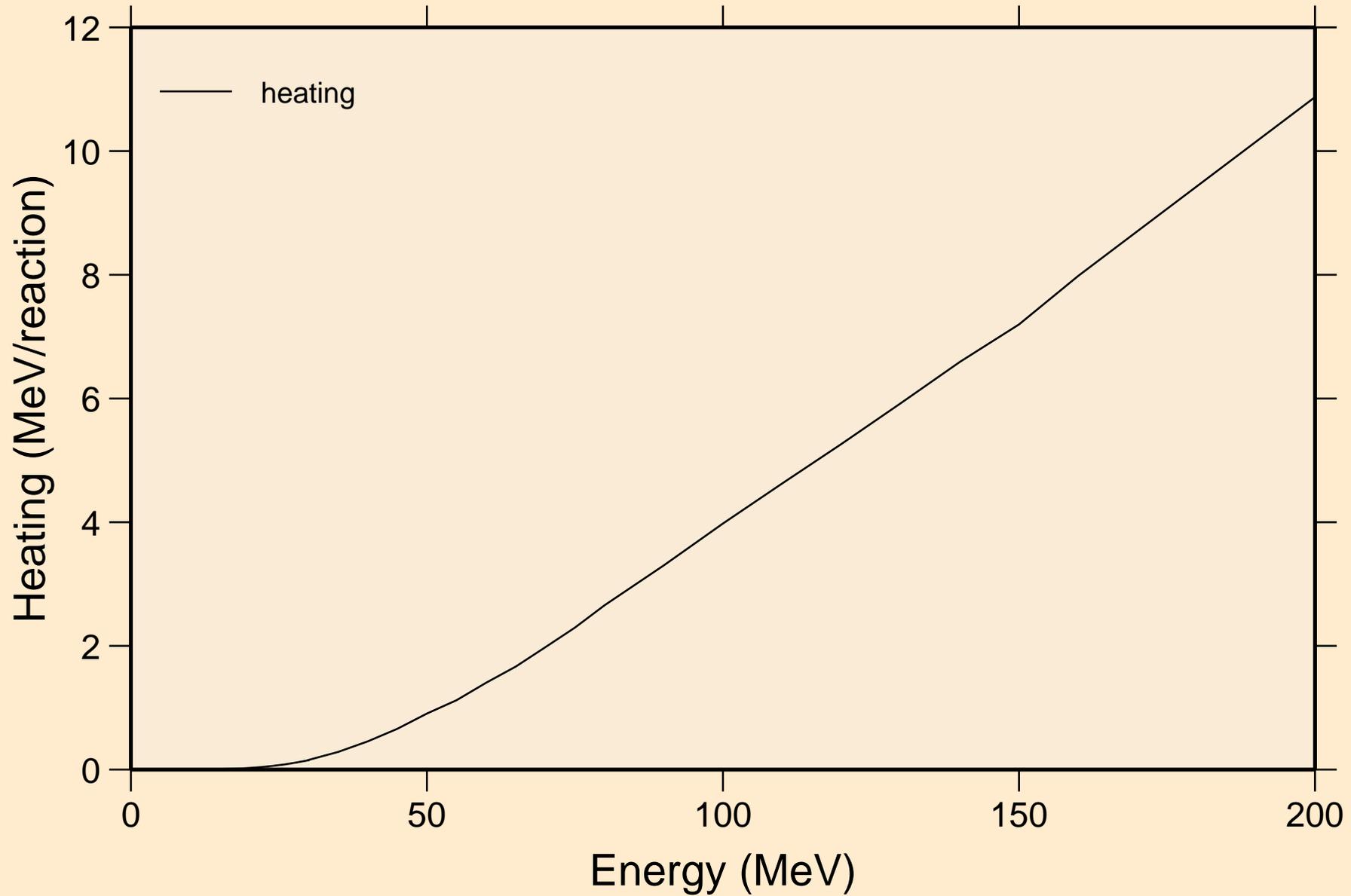
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## Principal cross sections



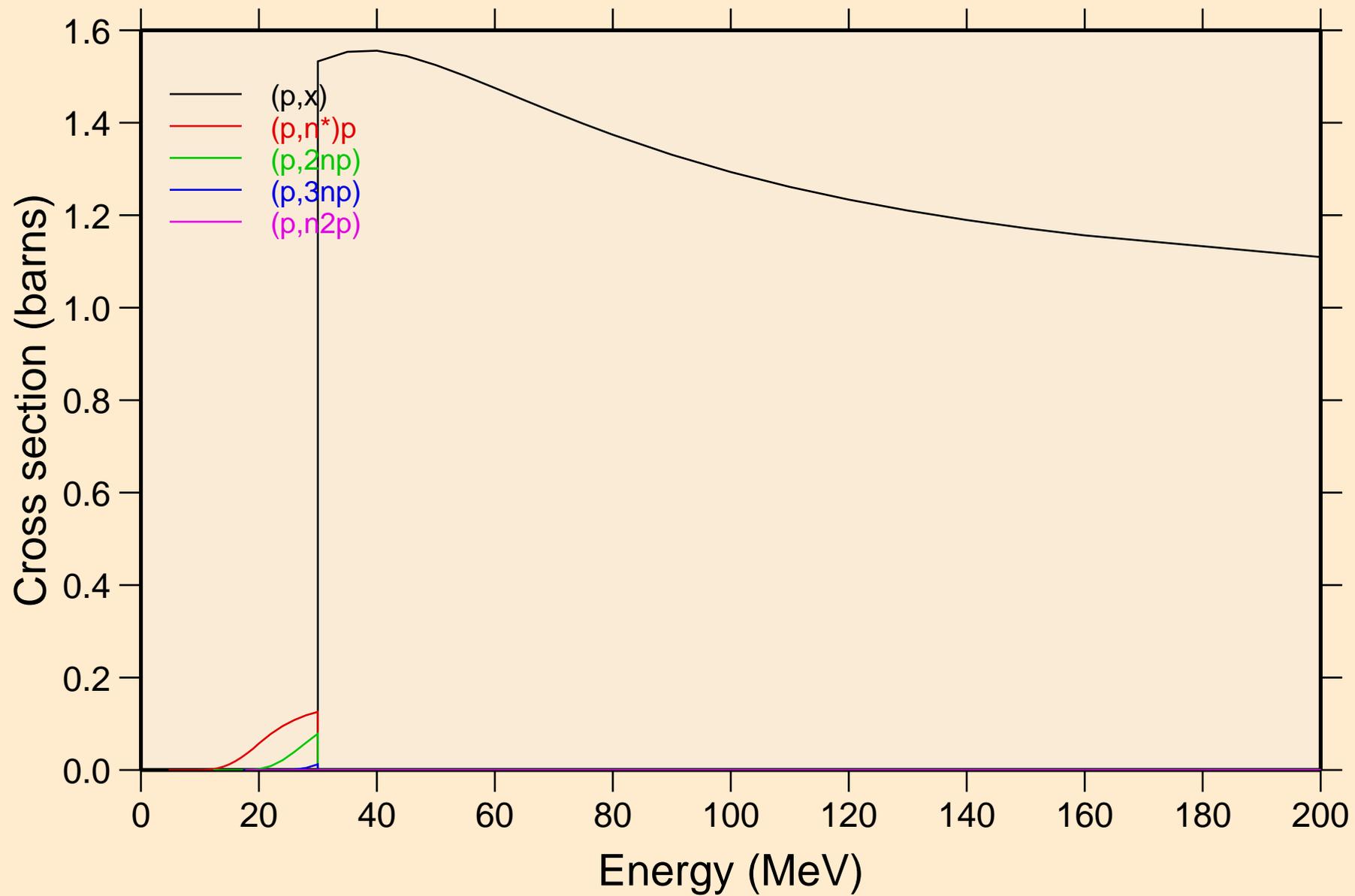
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Heating

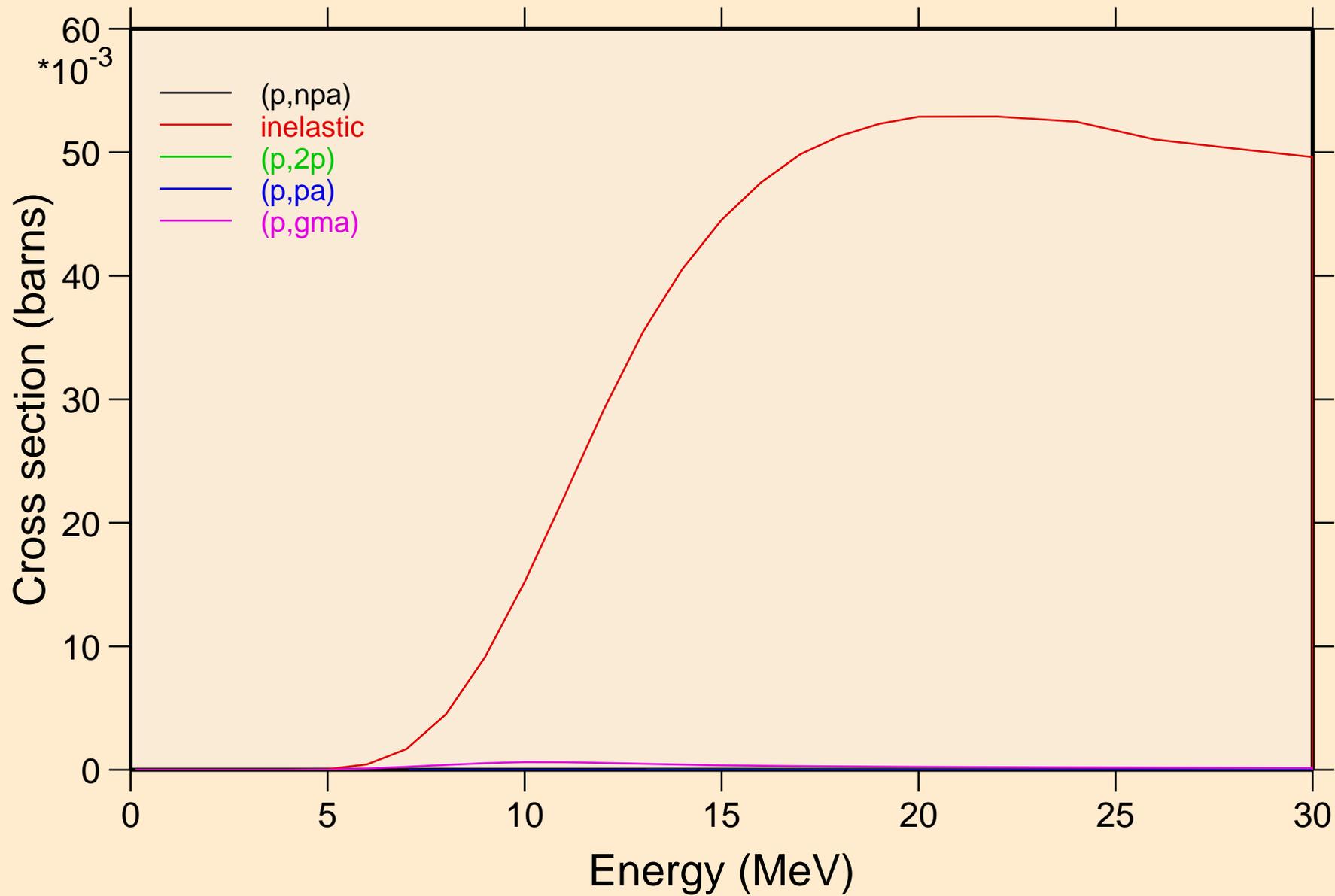


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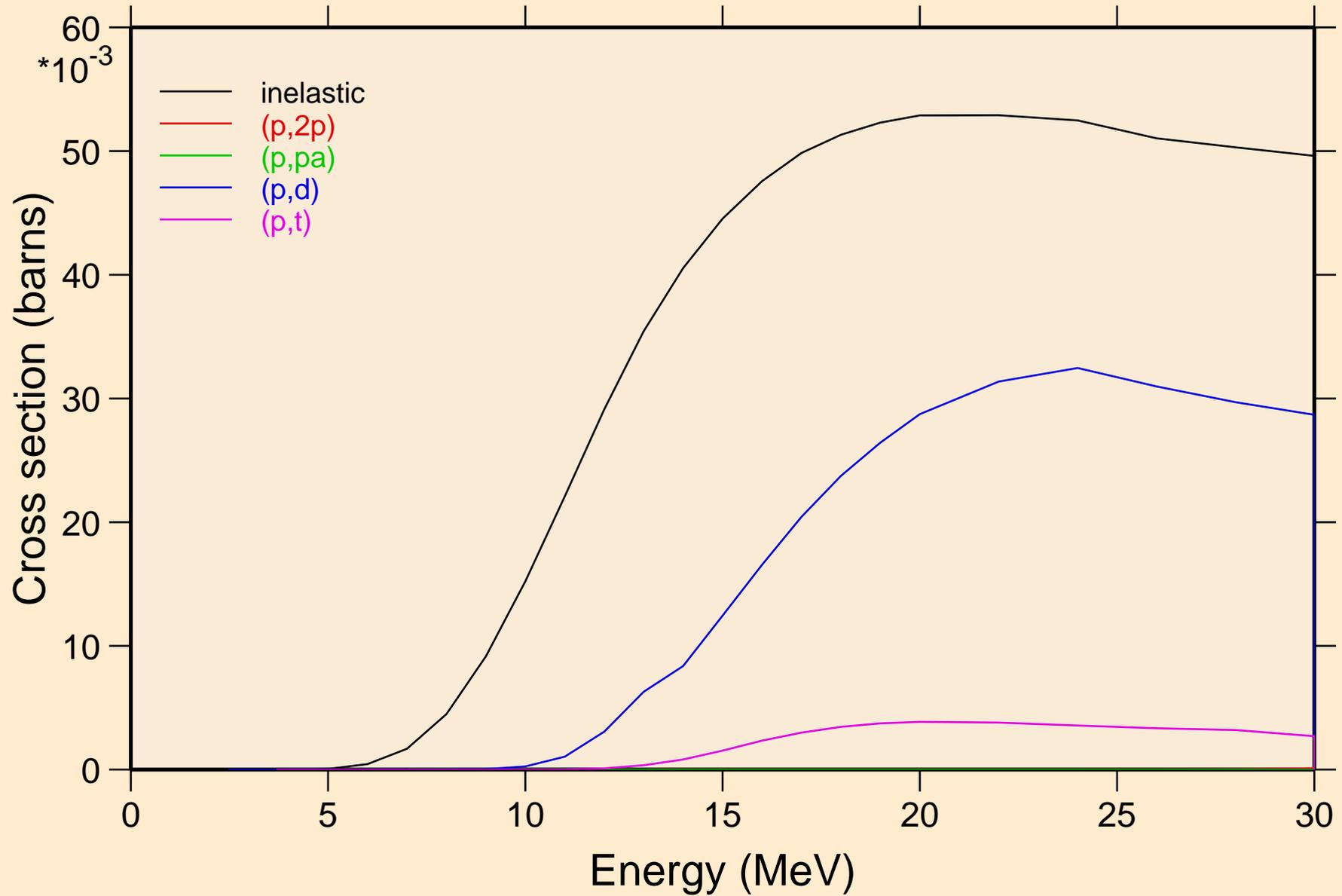
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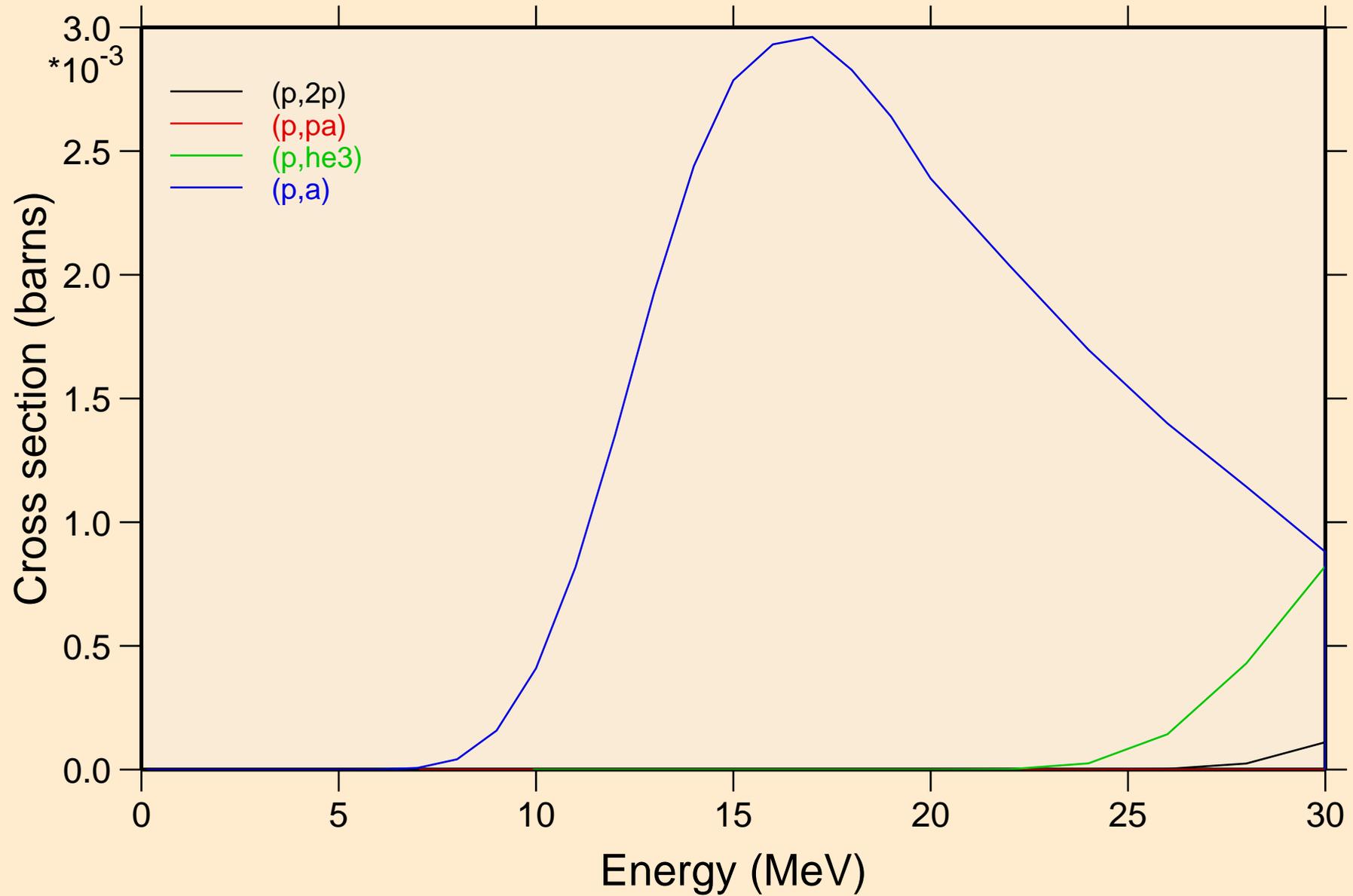
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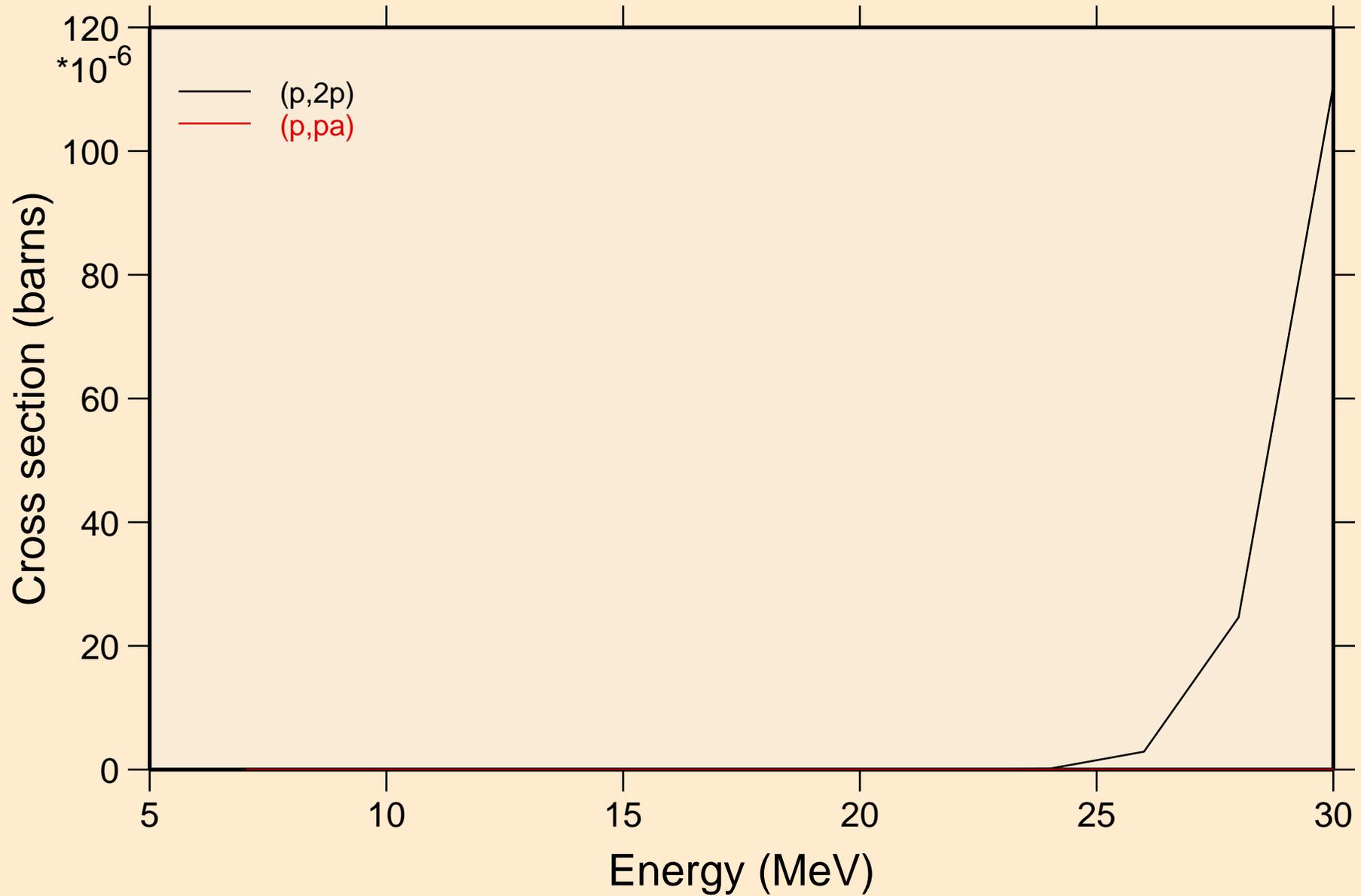
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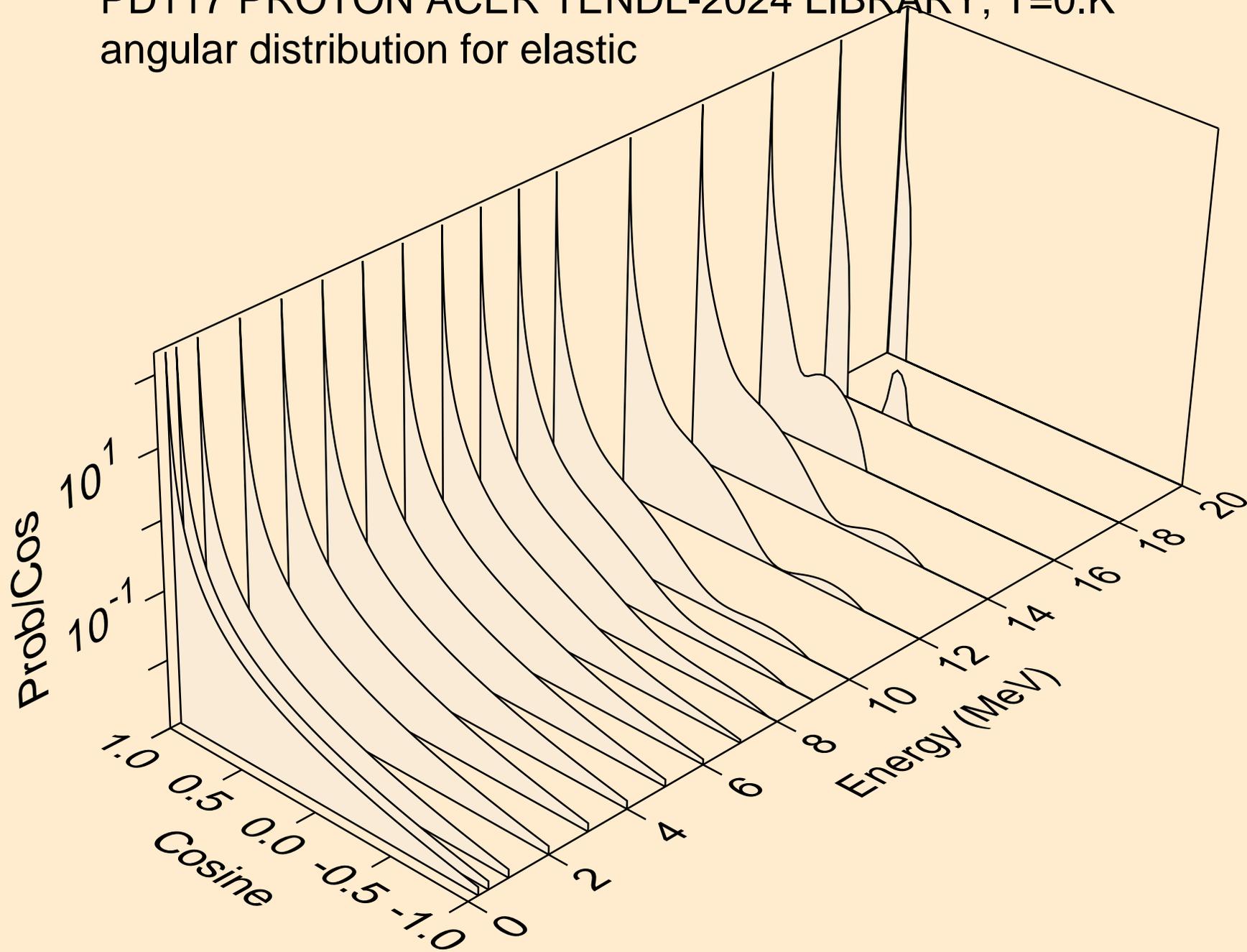
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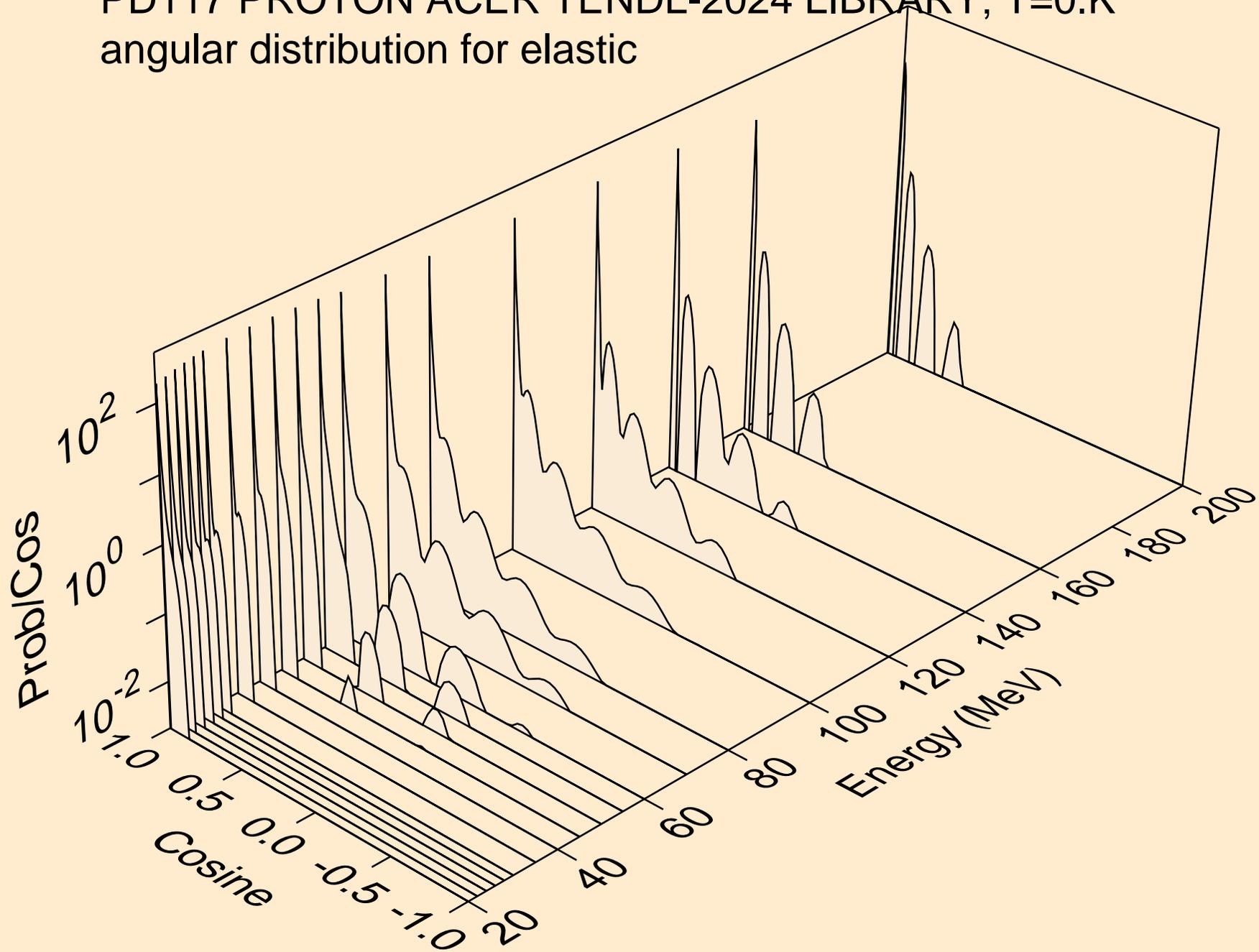
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Threshold reactions



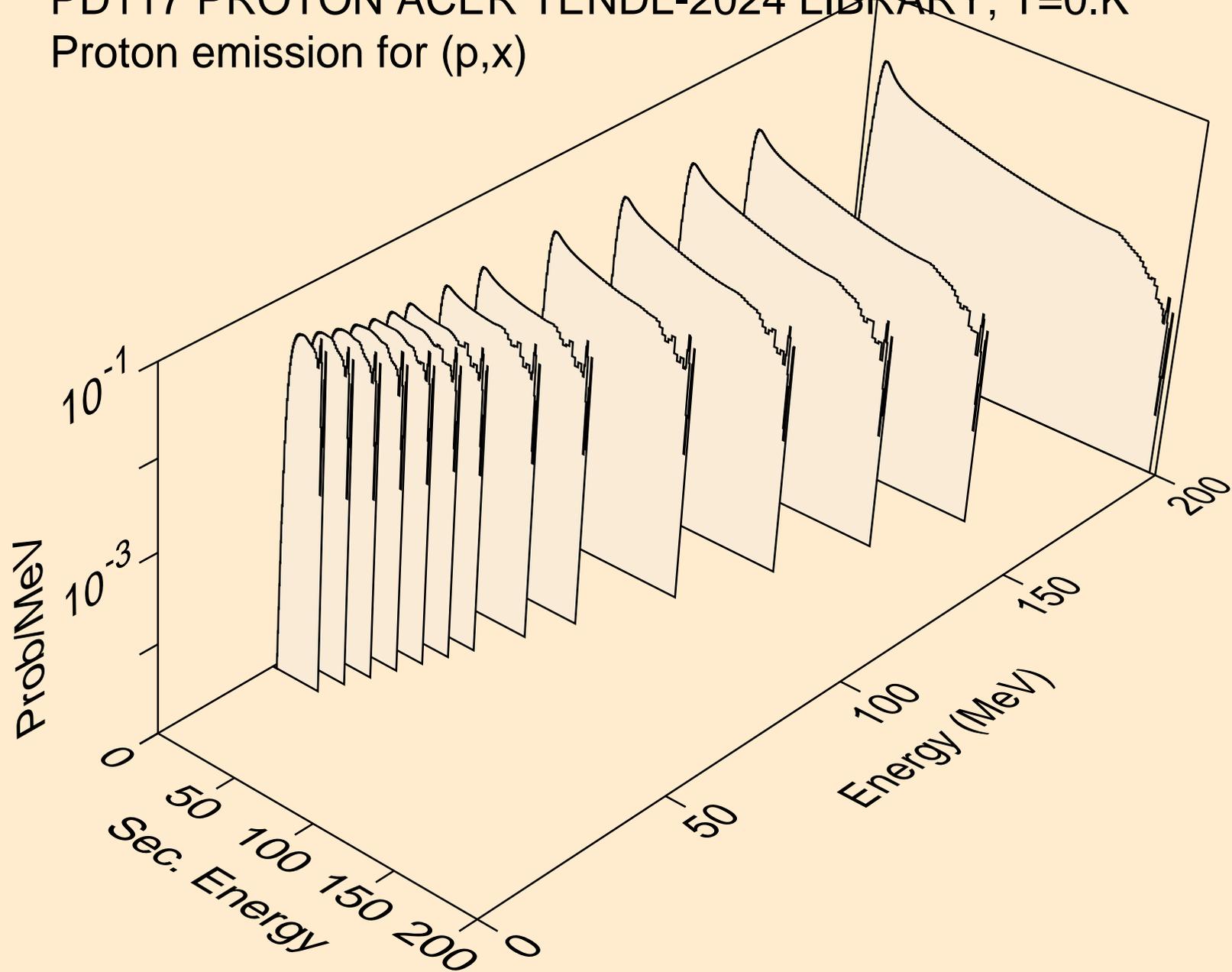
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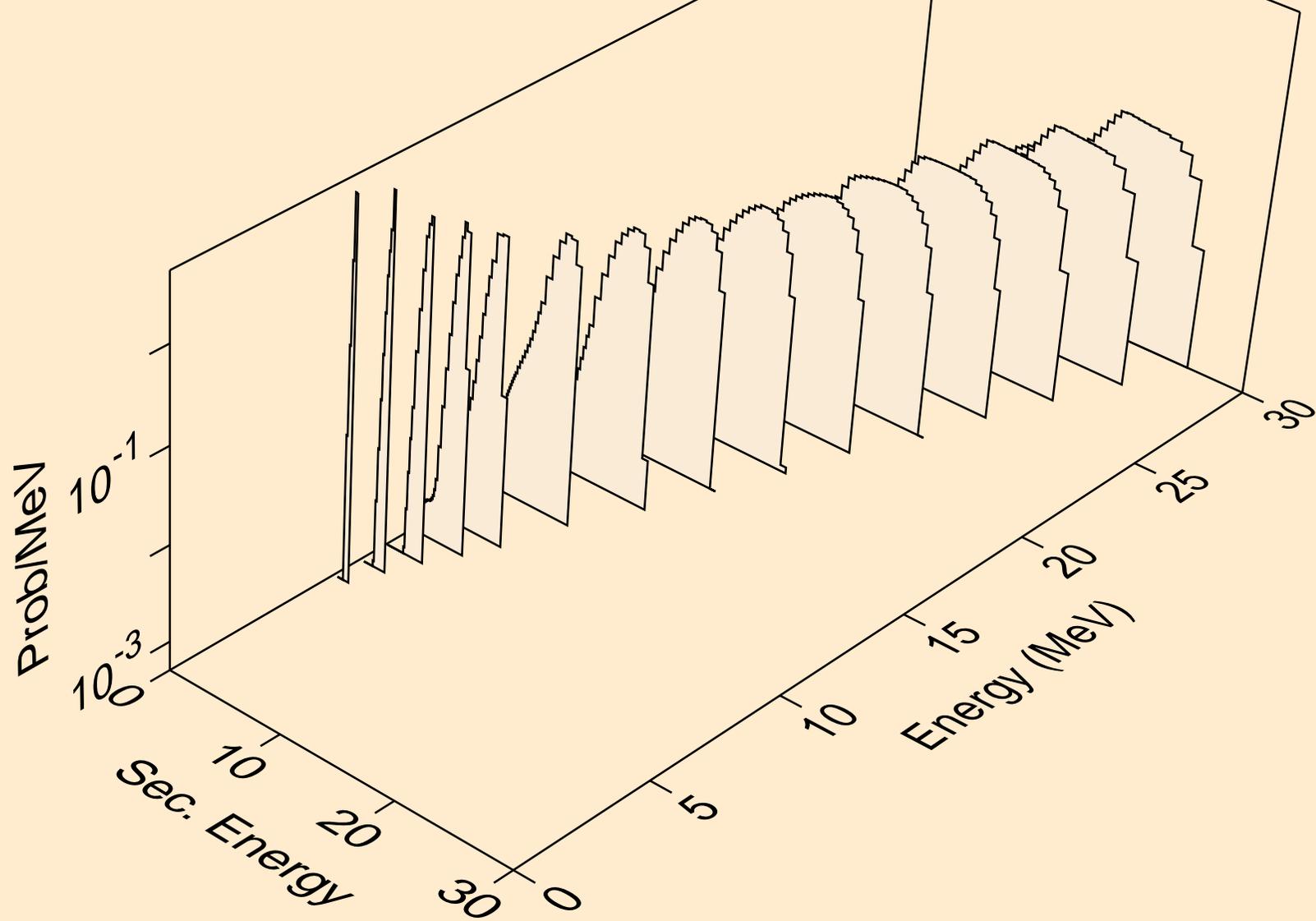
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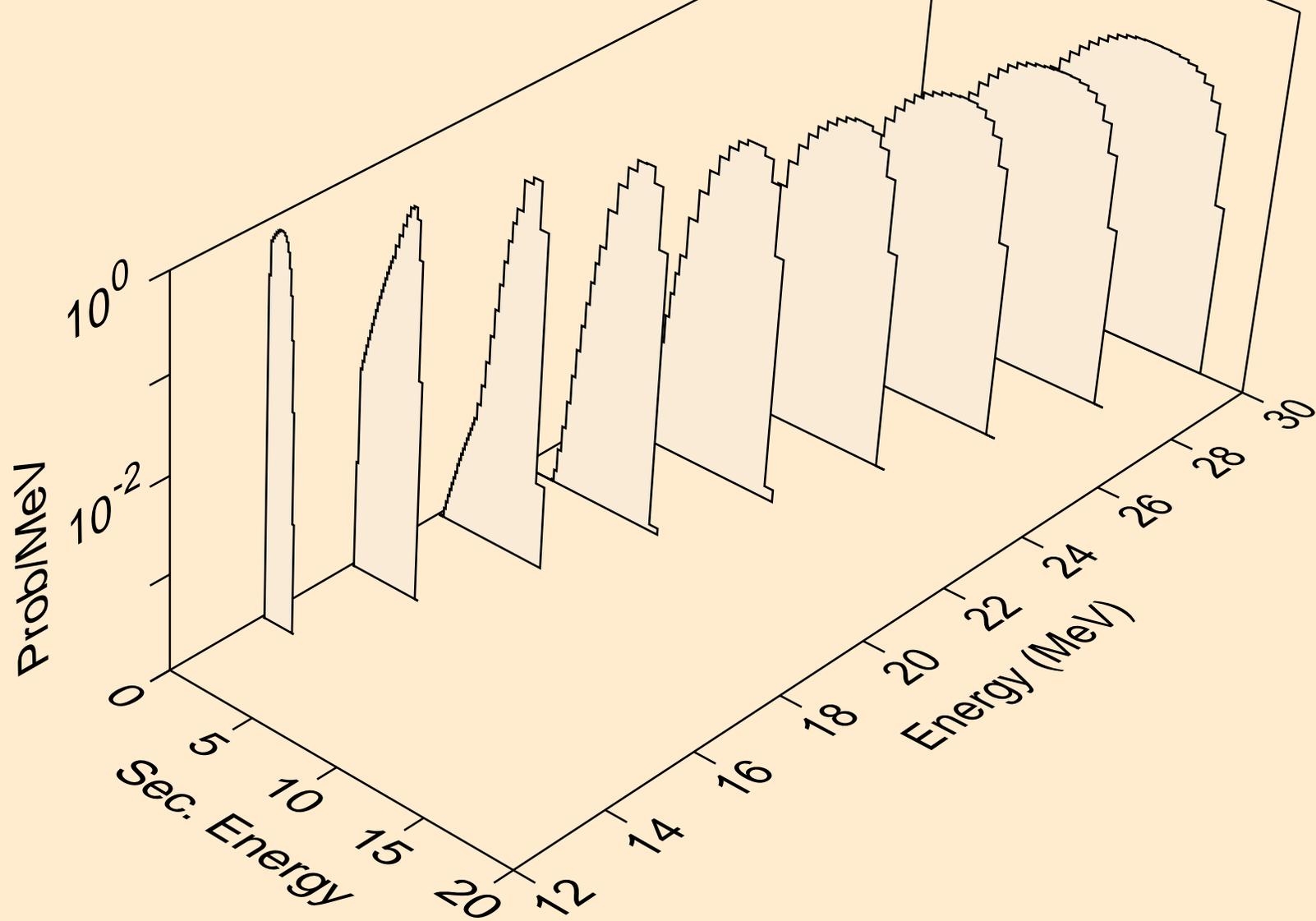
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Proton emission for (p,x)



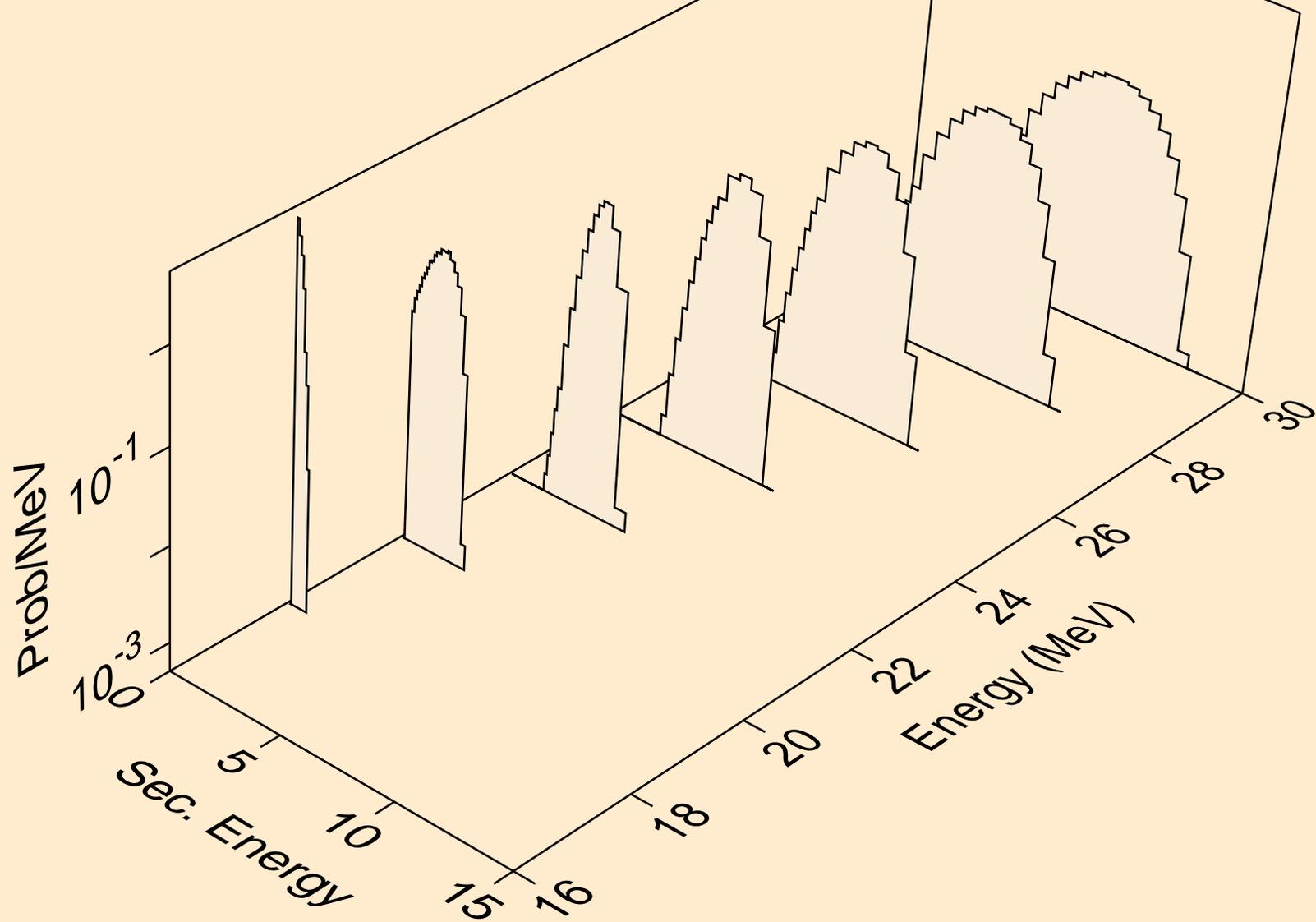
PD117 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



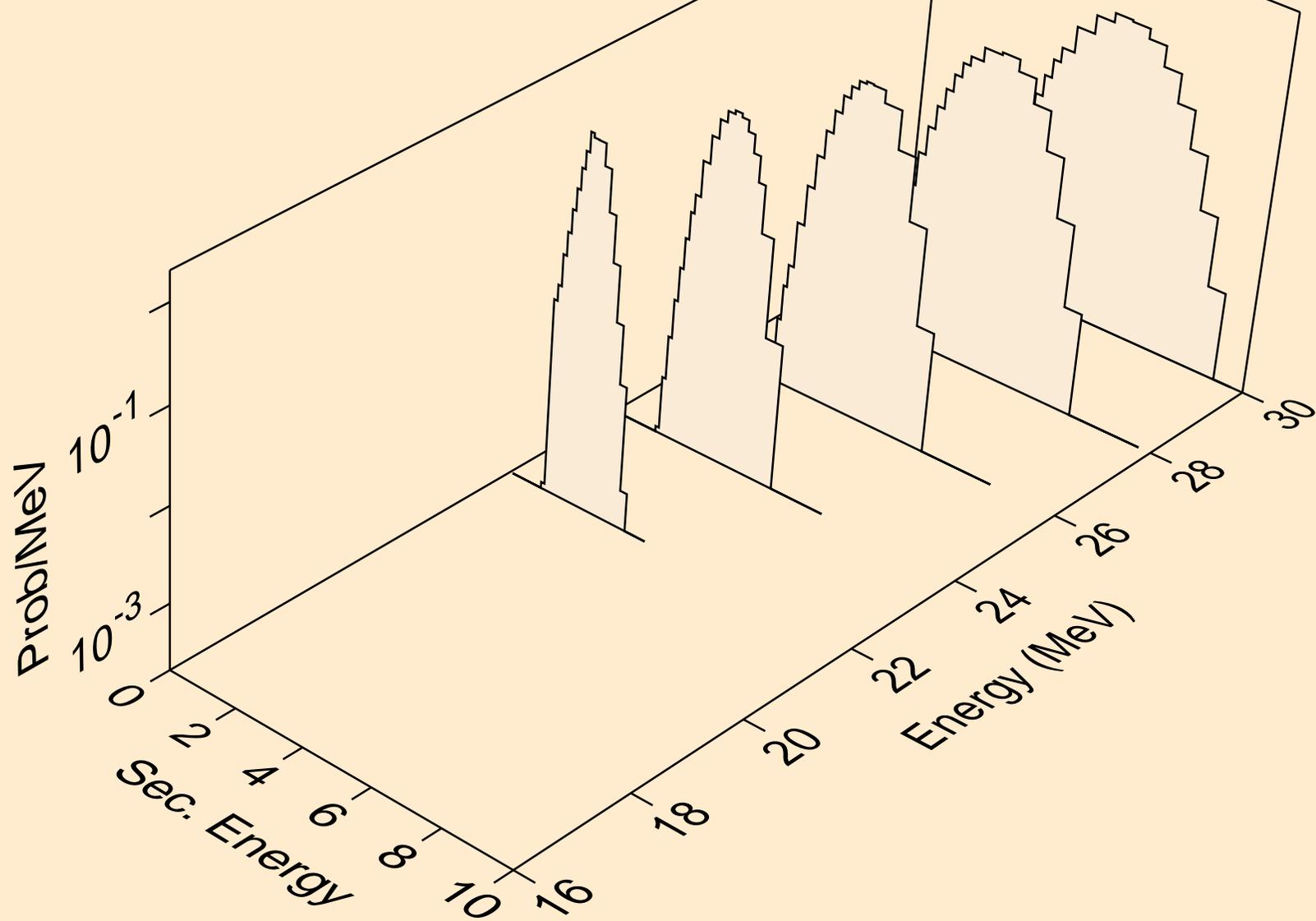
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Proton emission for (p,2np)



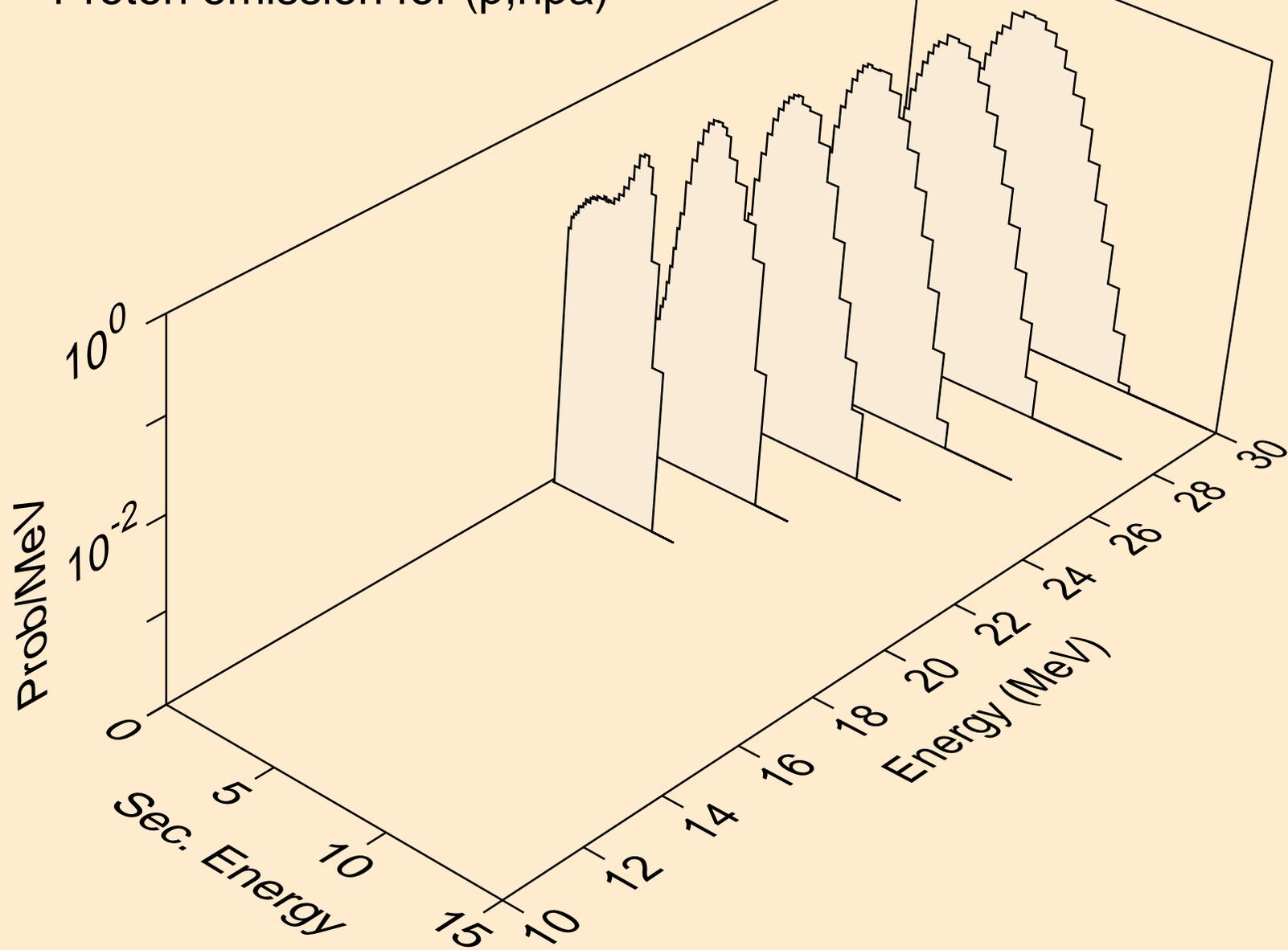
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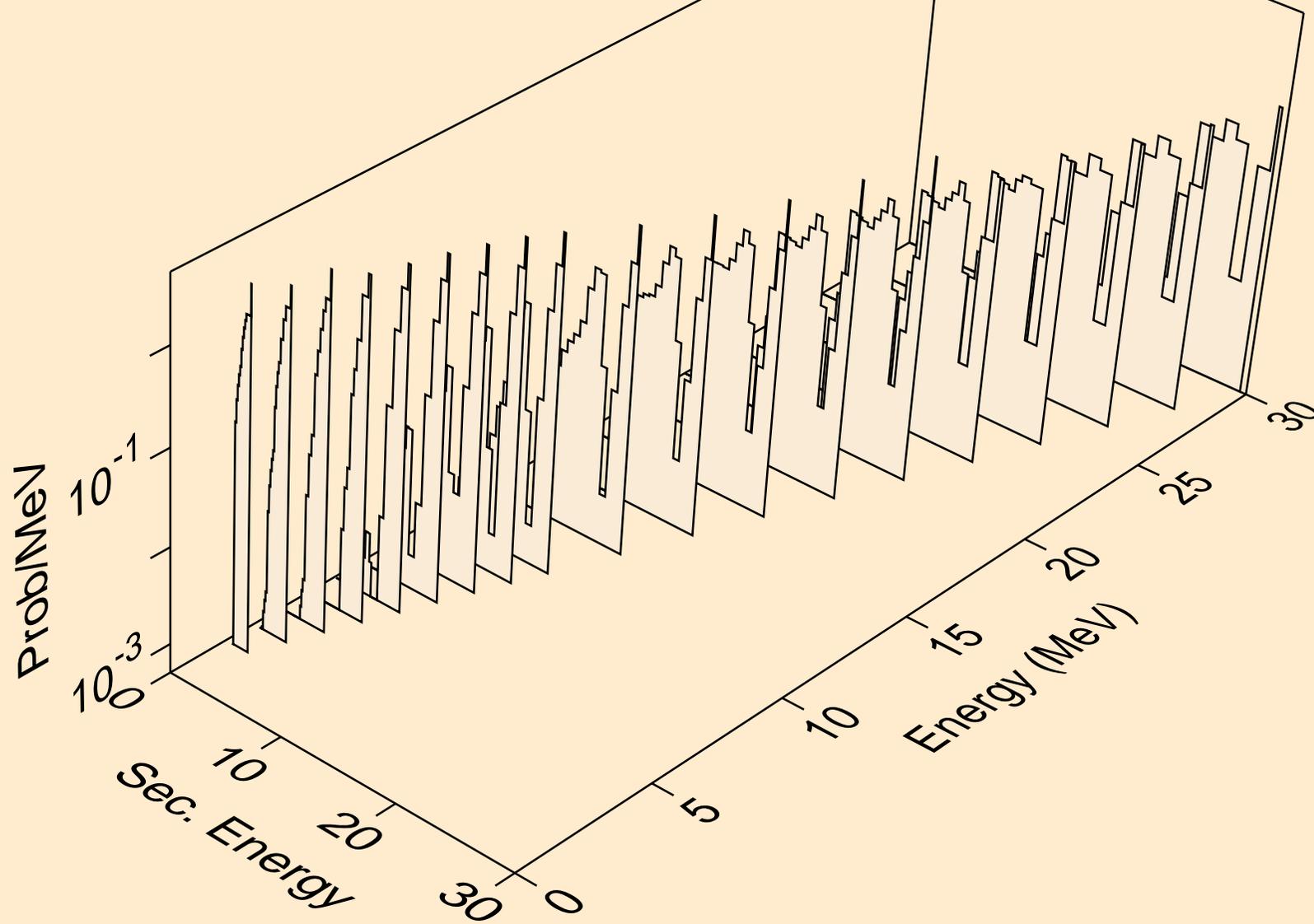
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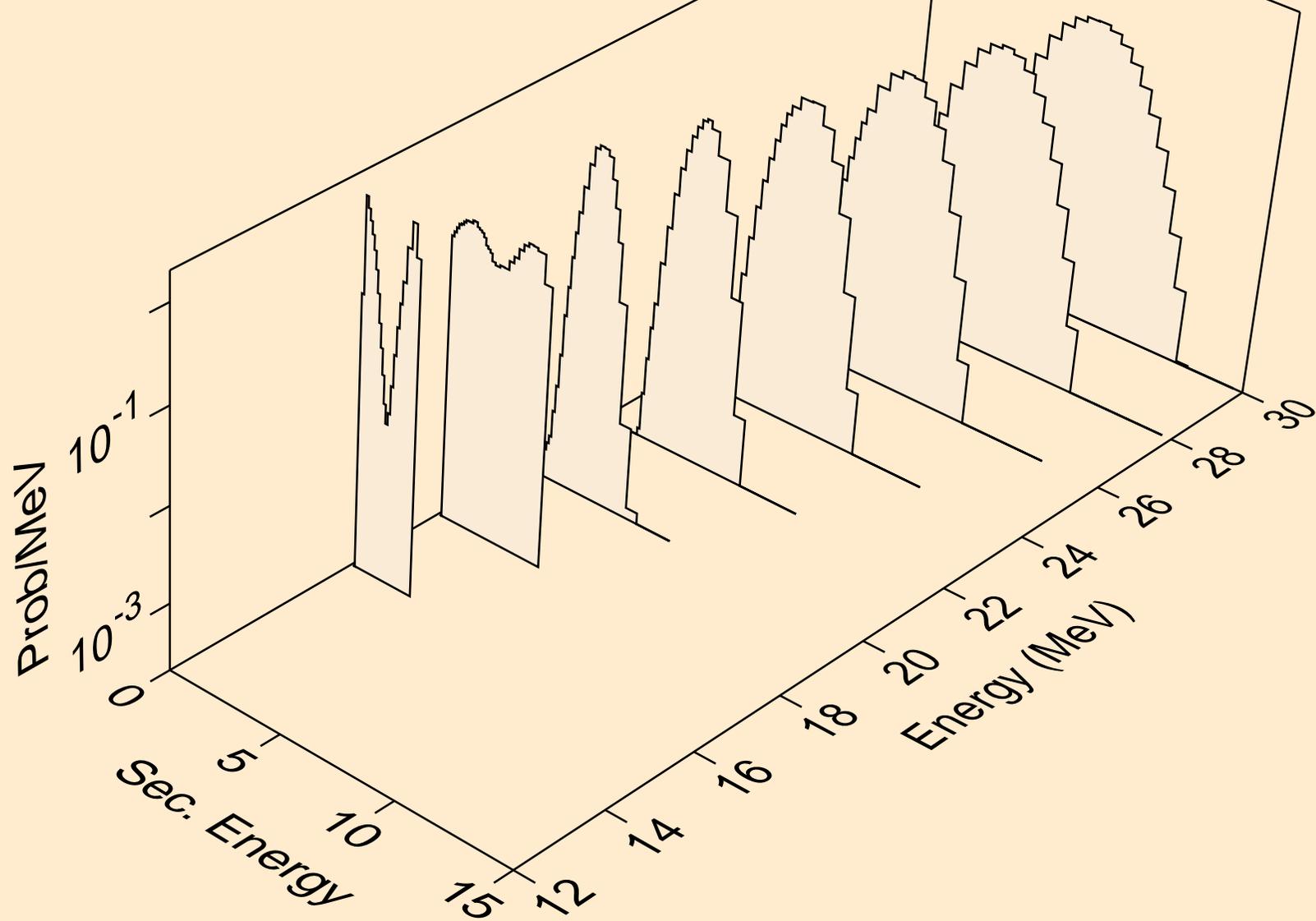
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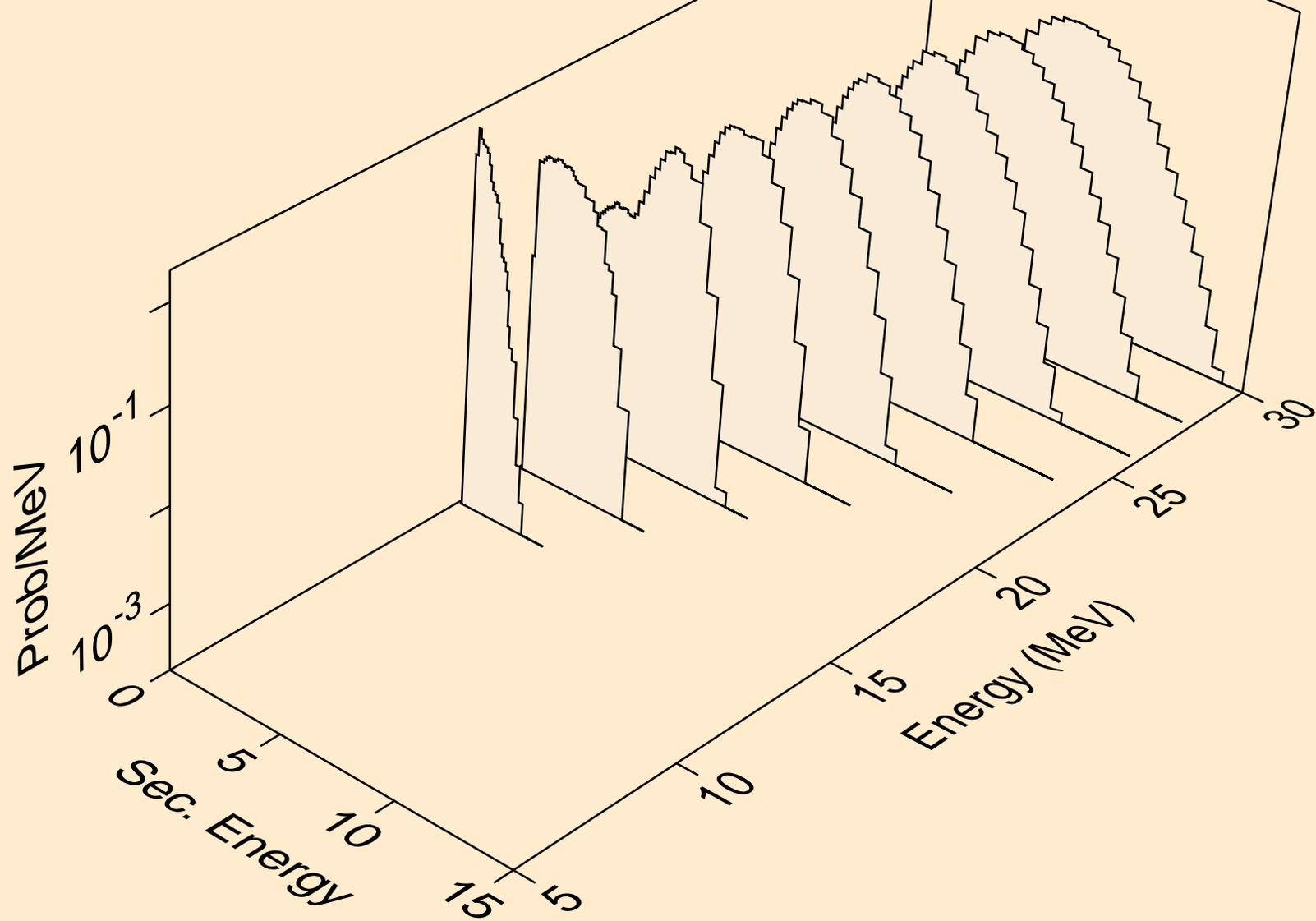
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Proton emission for inelastic



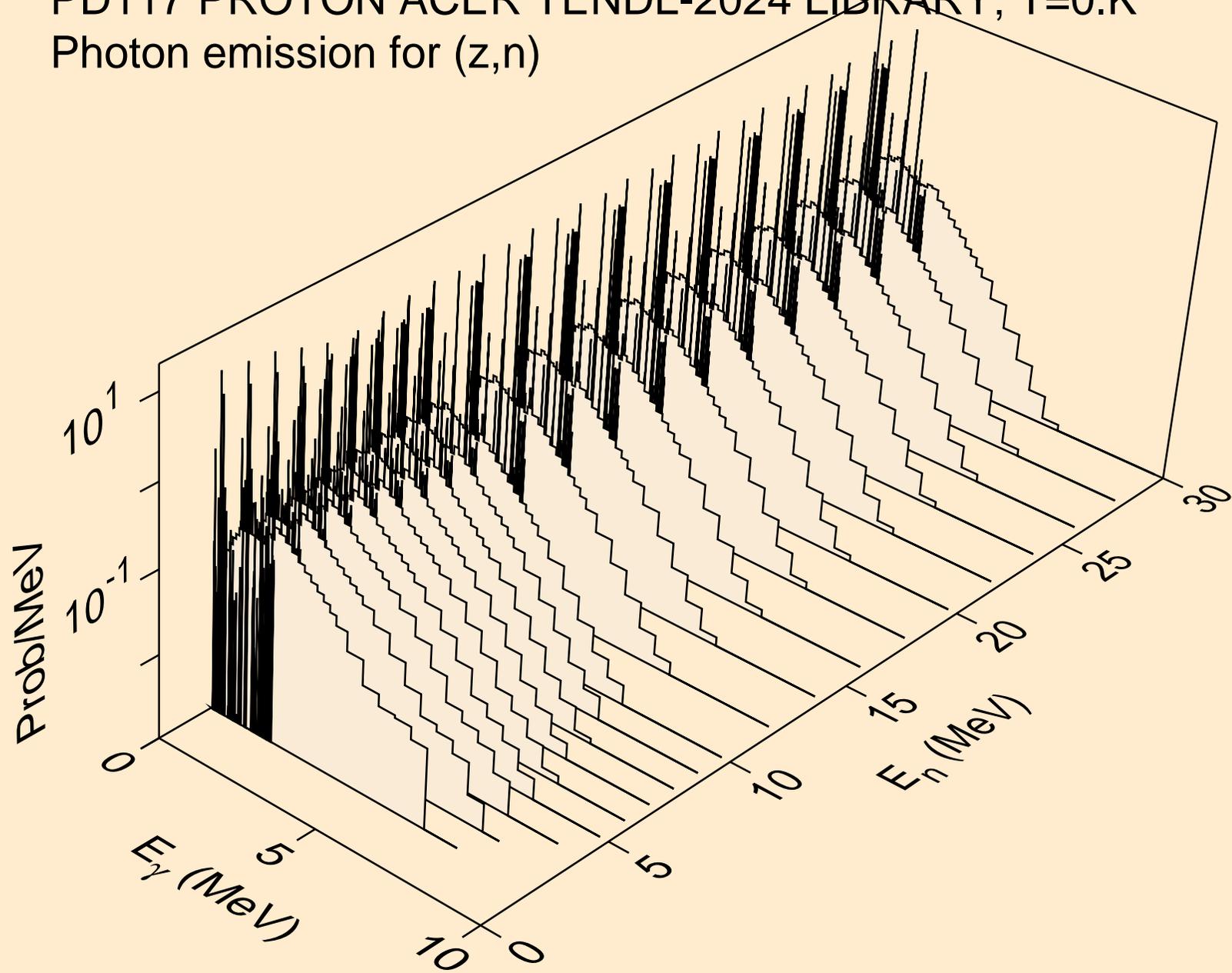
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Proton emission for (p,2p)



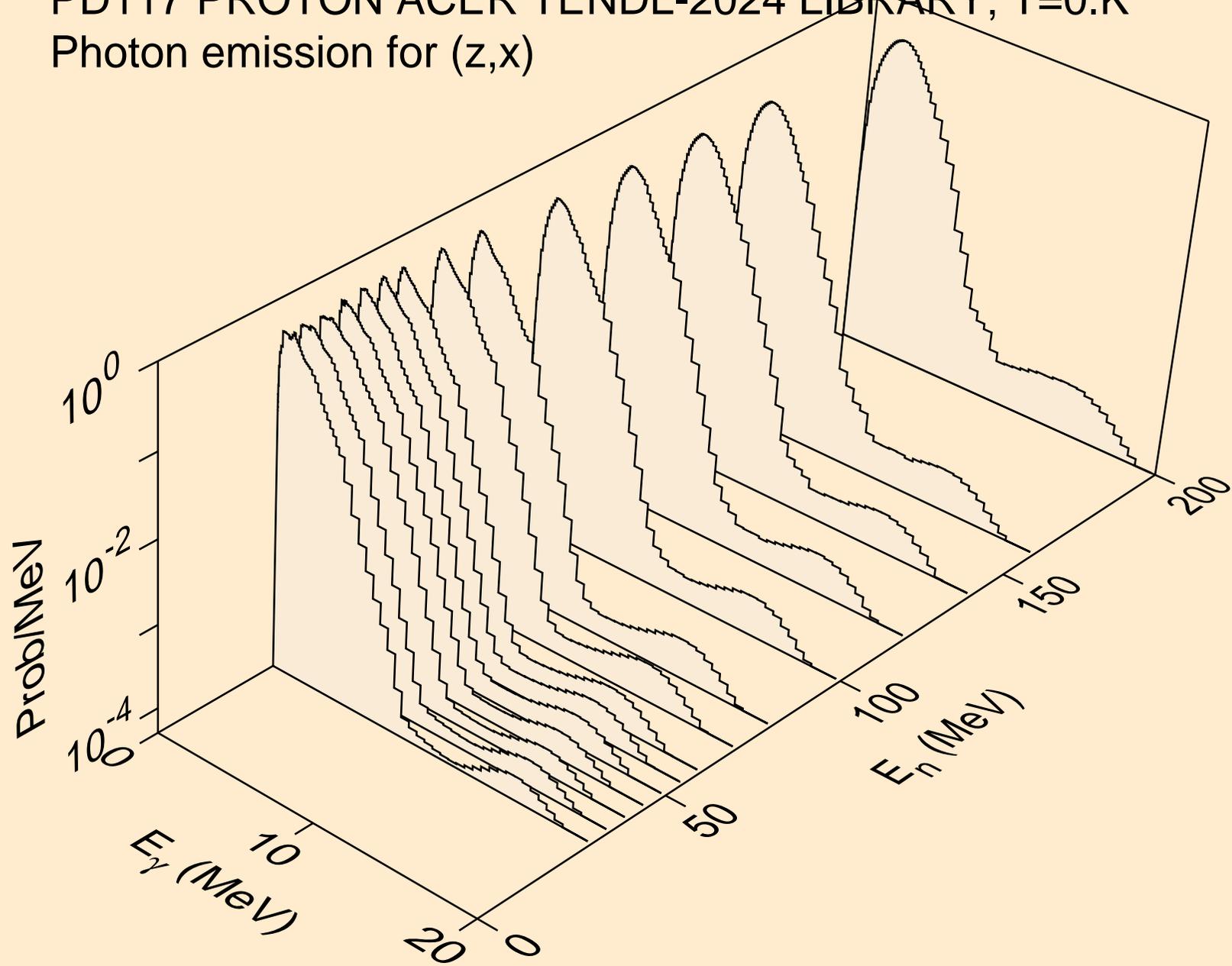
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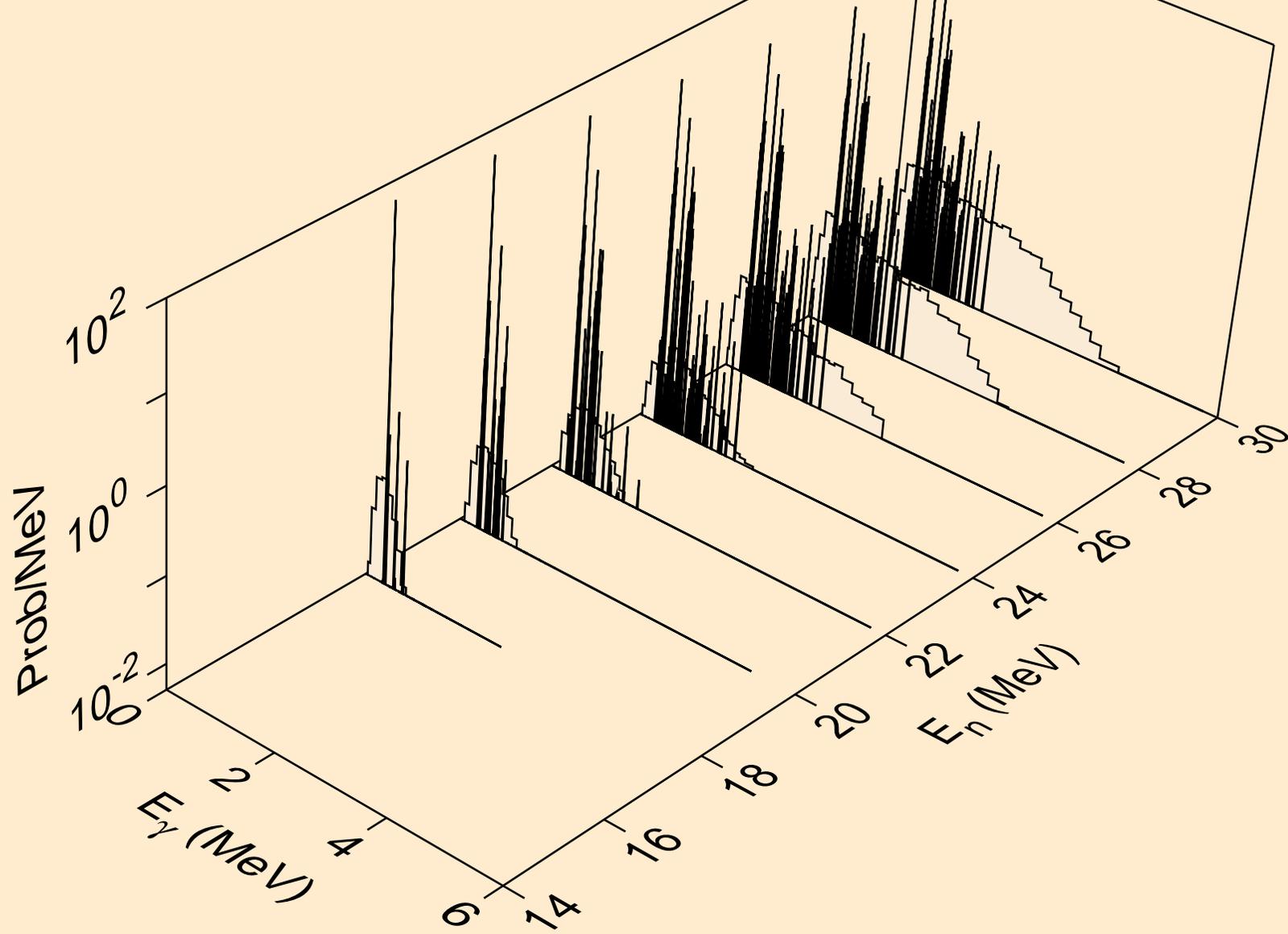
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Photon emission for (z,n)



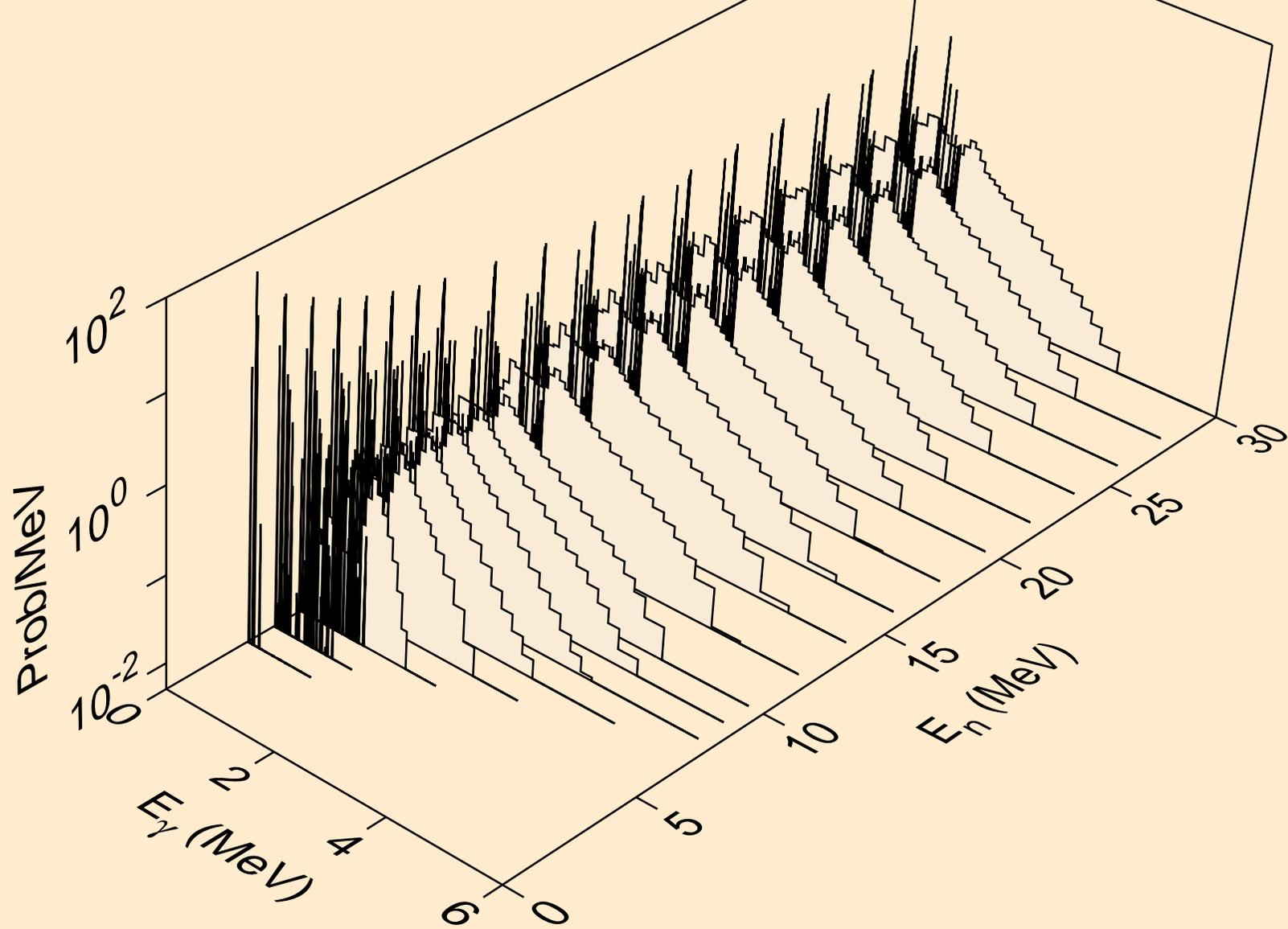
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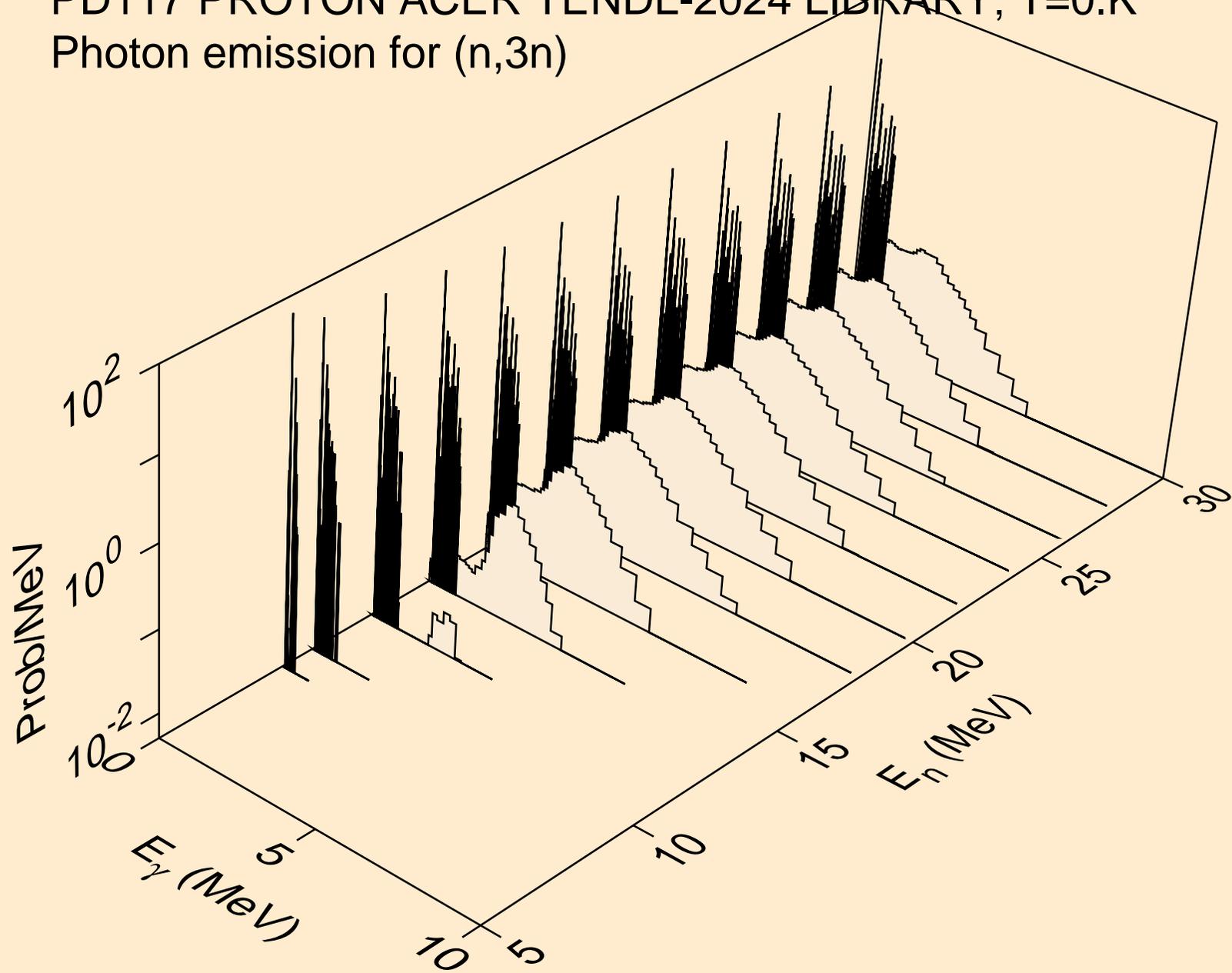
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Photon emission for (n,2nd)



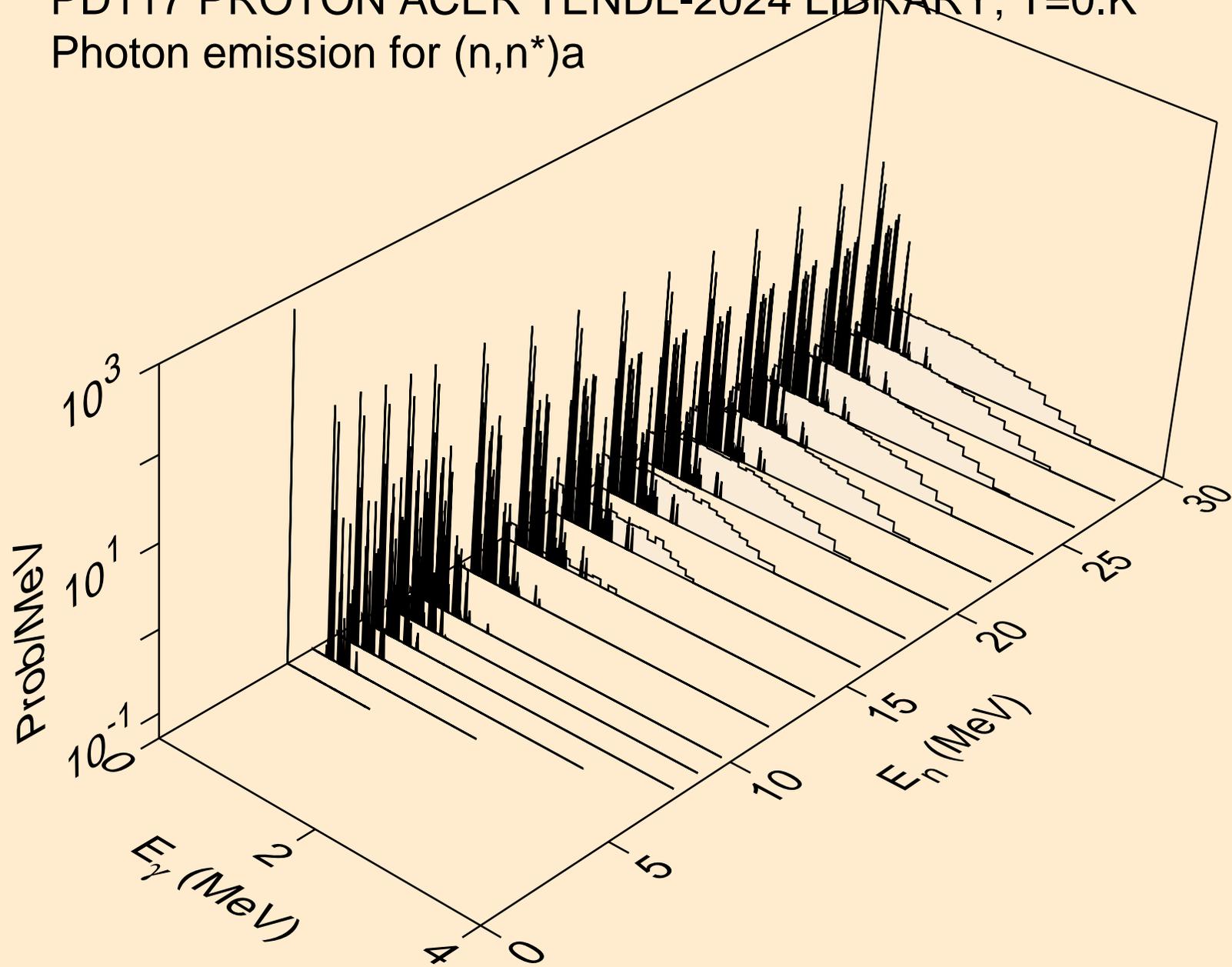
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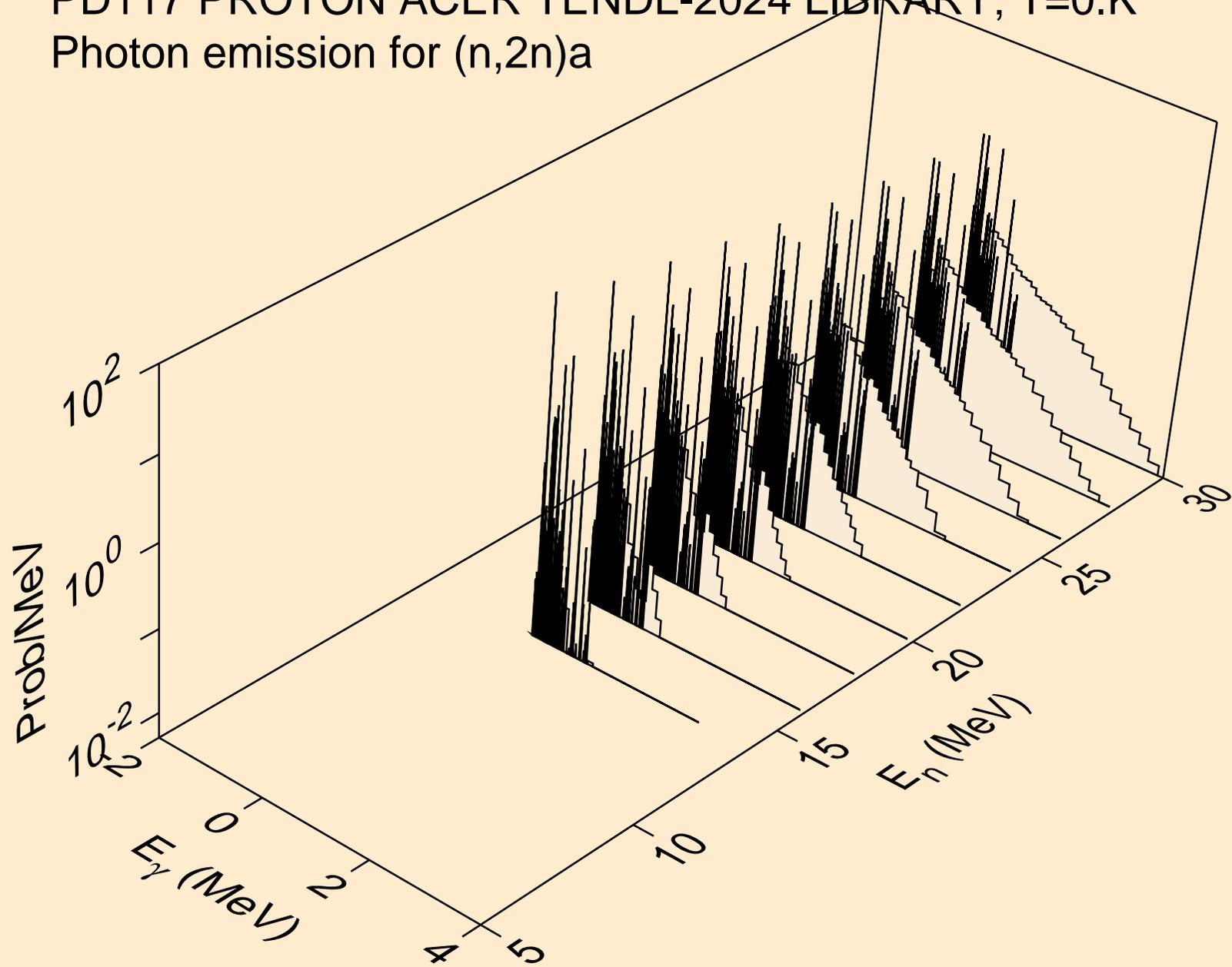
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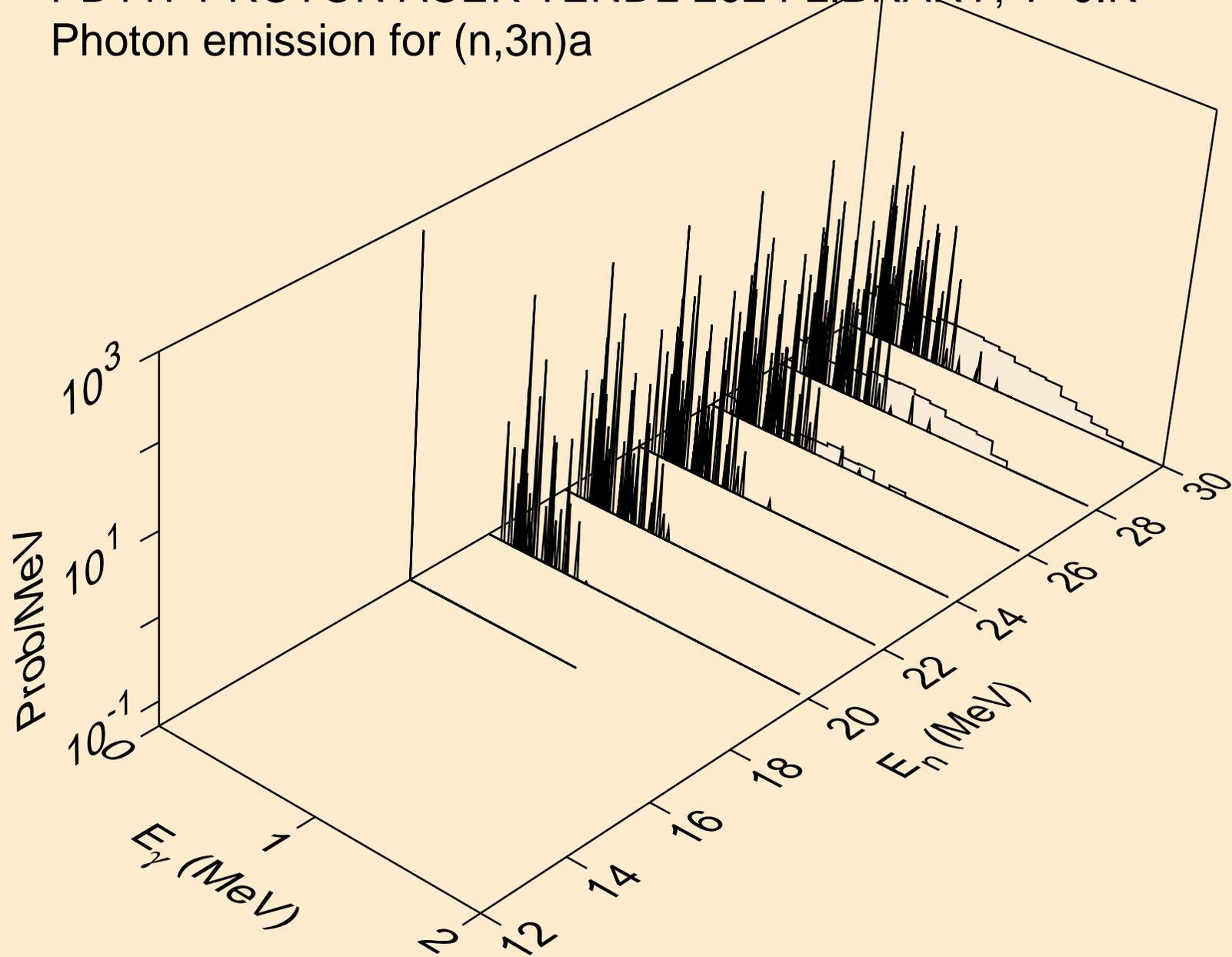
PD117 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



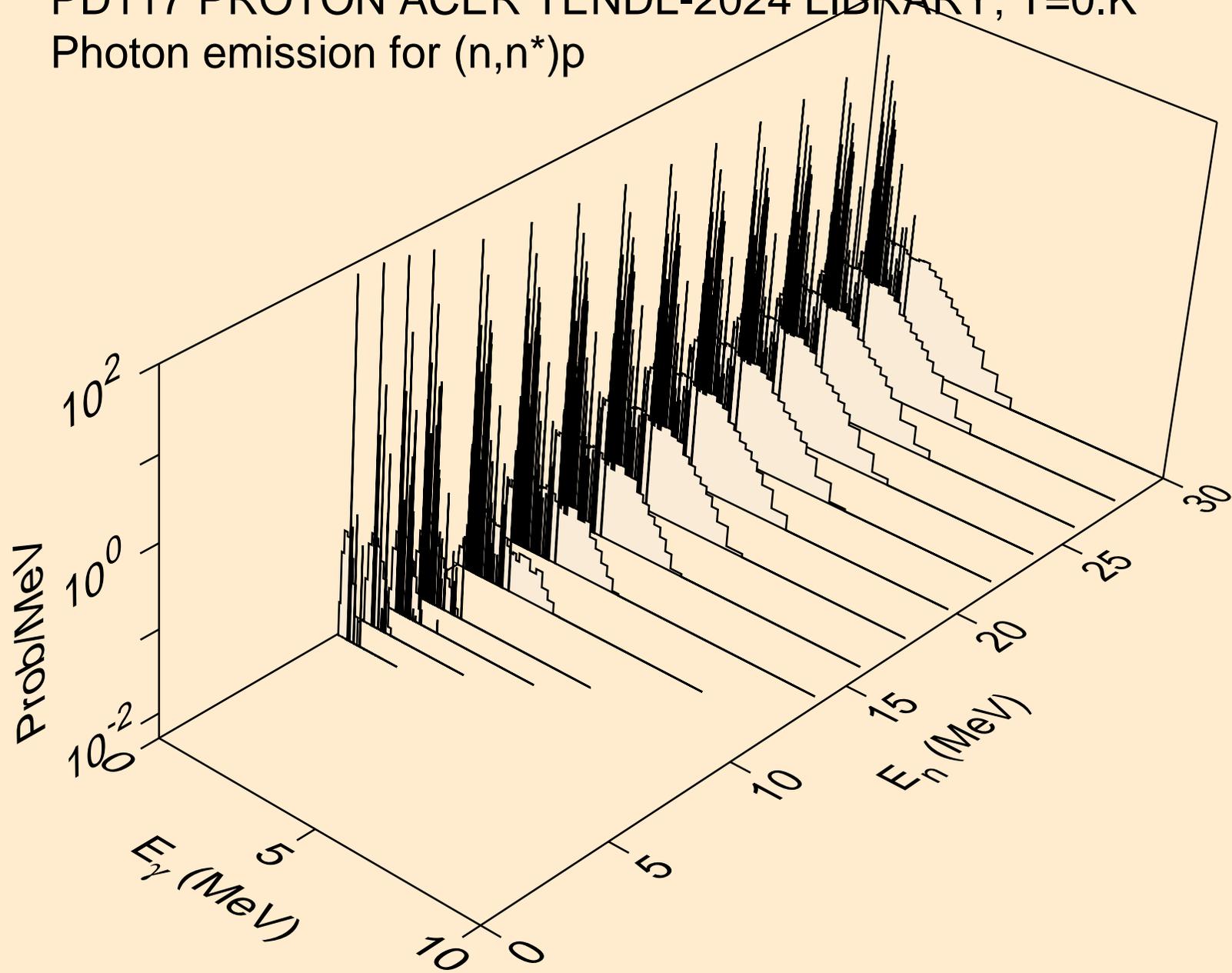
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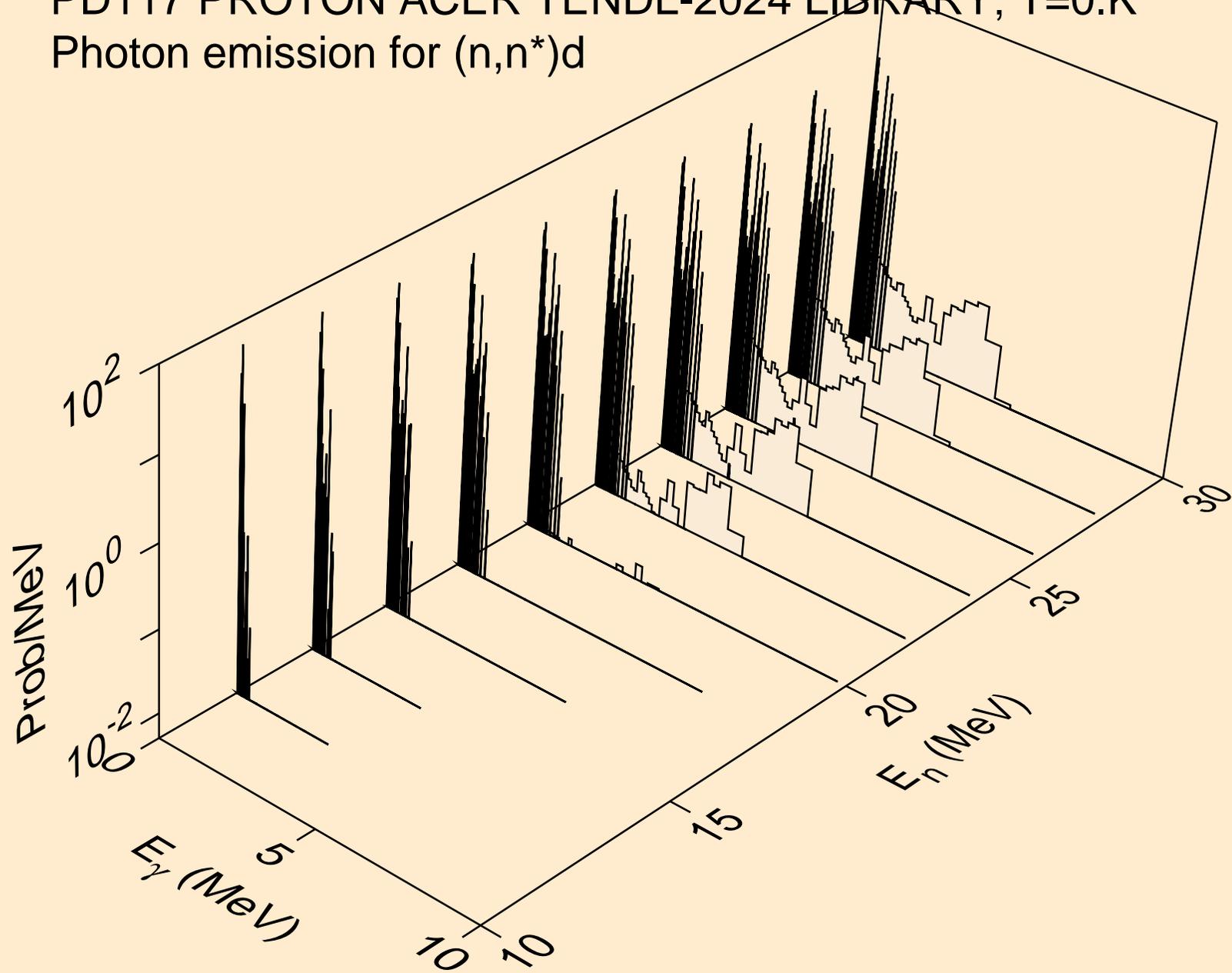
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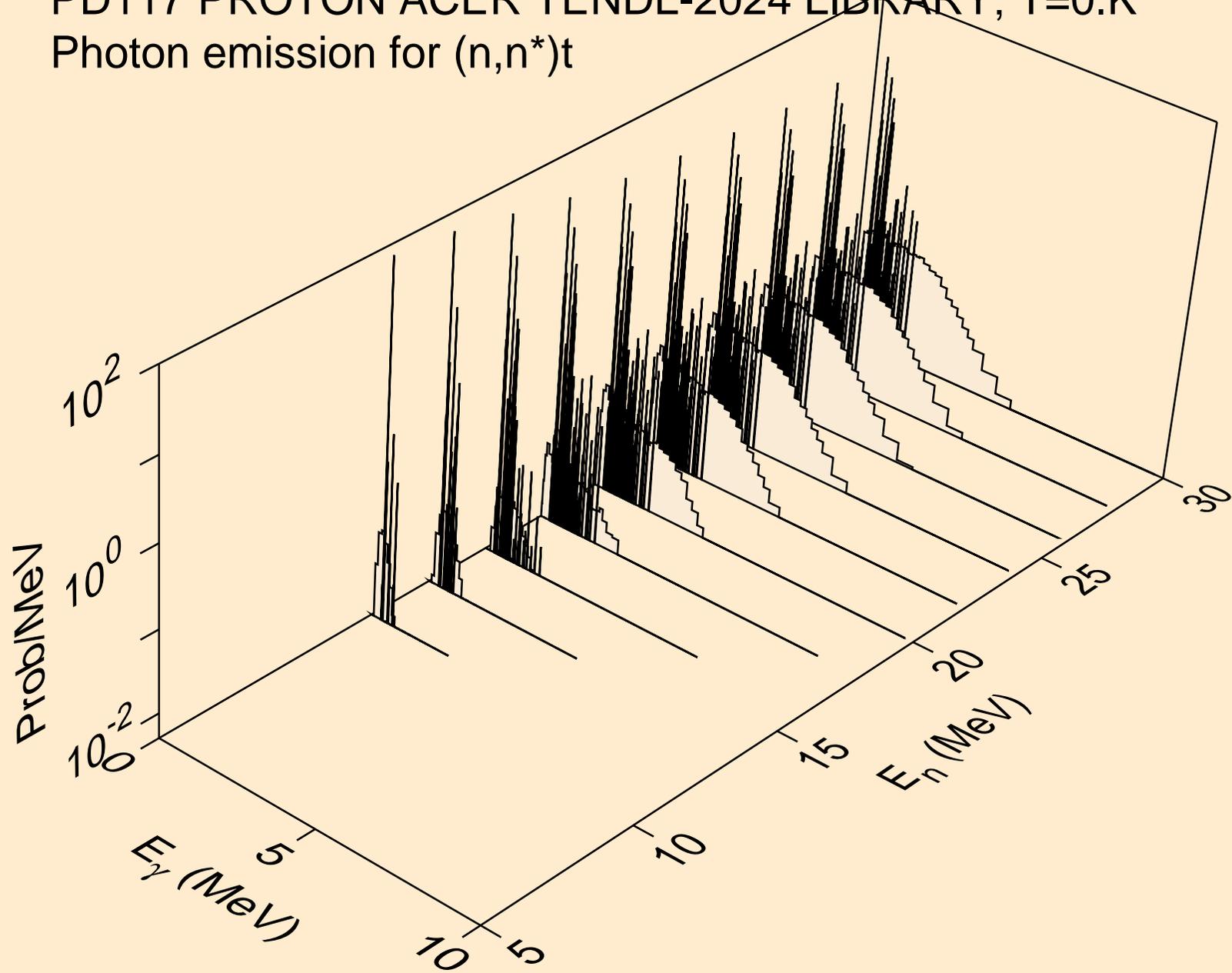
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Photon emission for (n,n\*)p



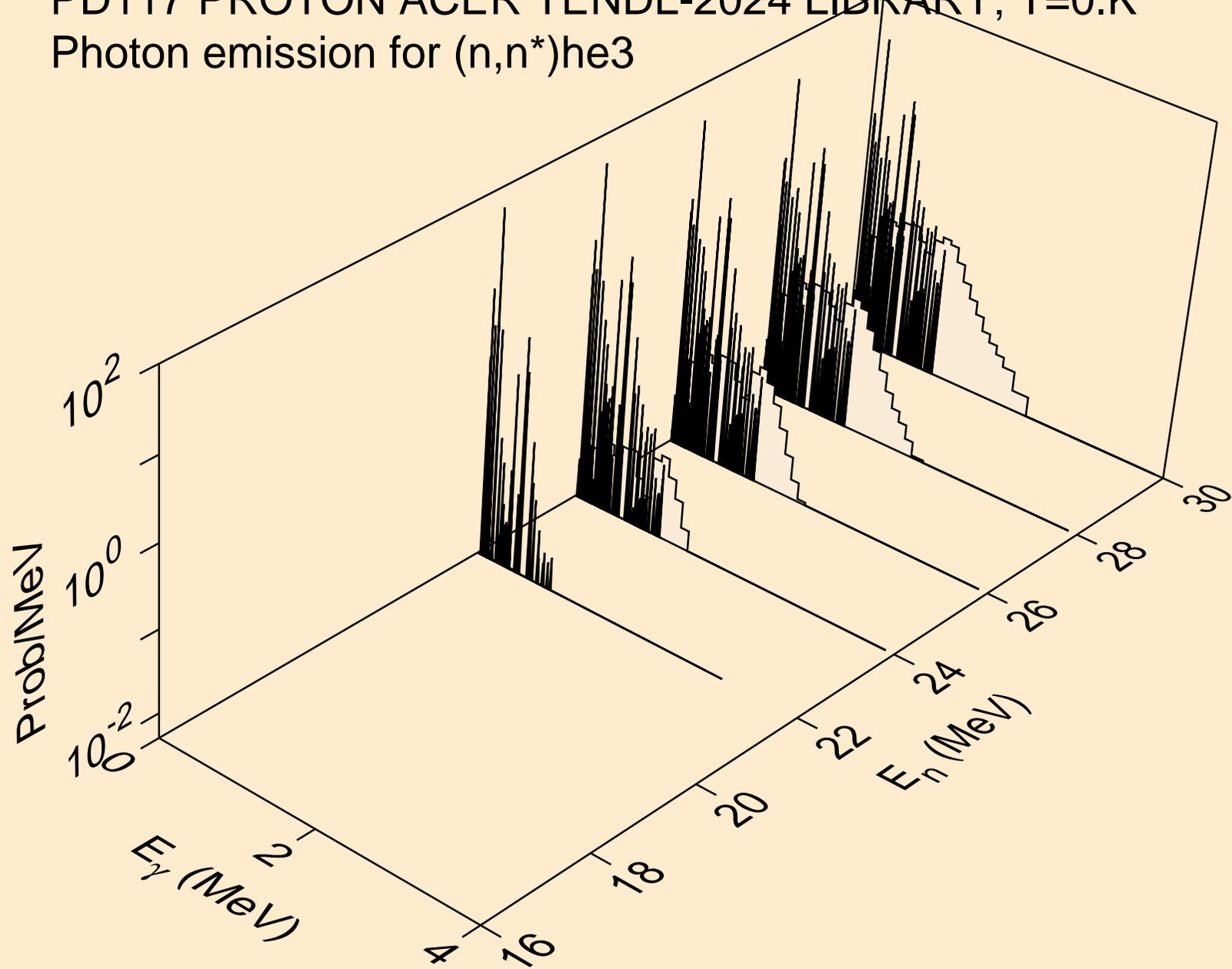
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Photon emission for (n,n\*)d



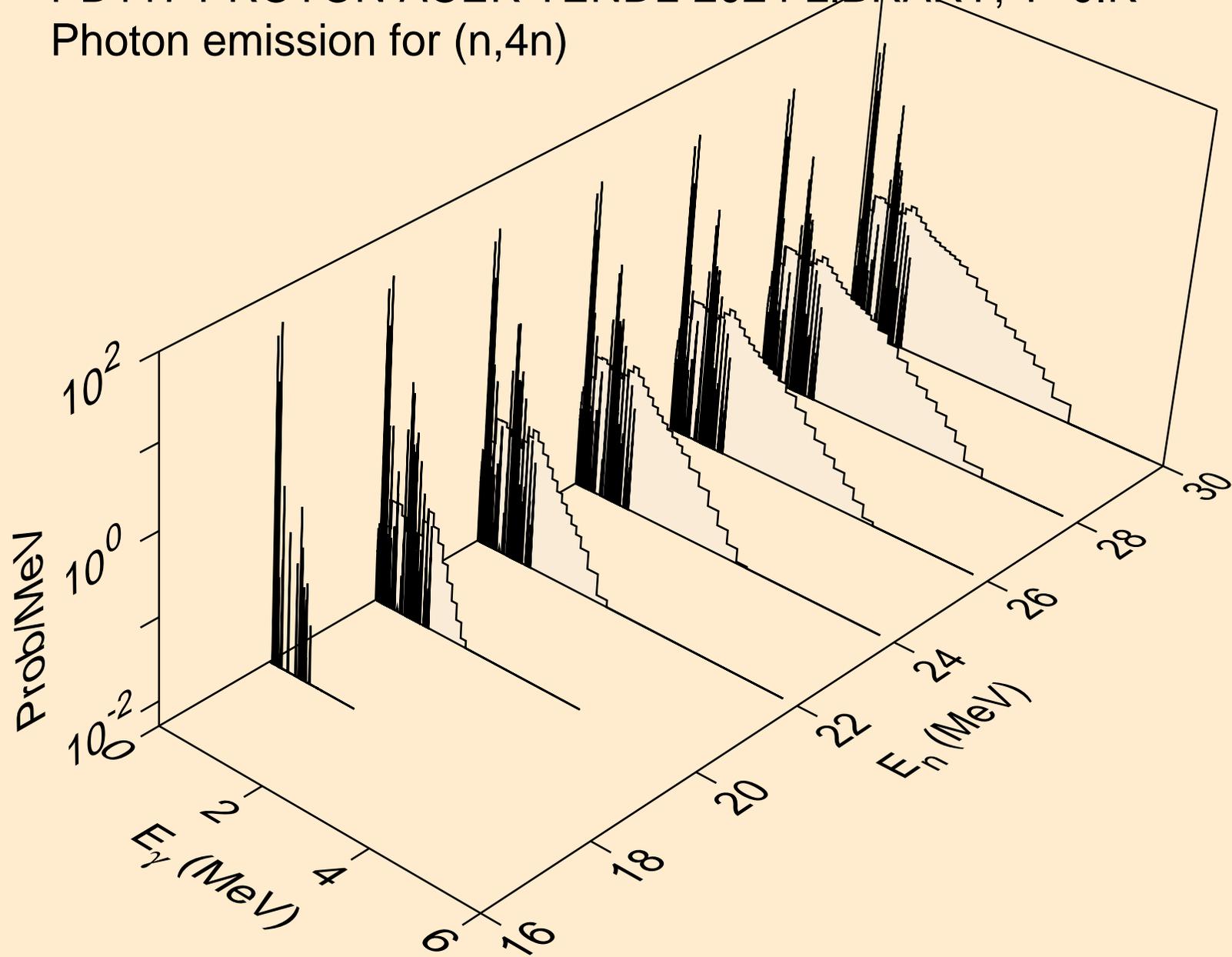
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Photon emission for (n,n\*)t



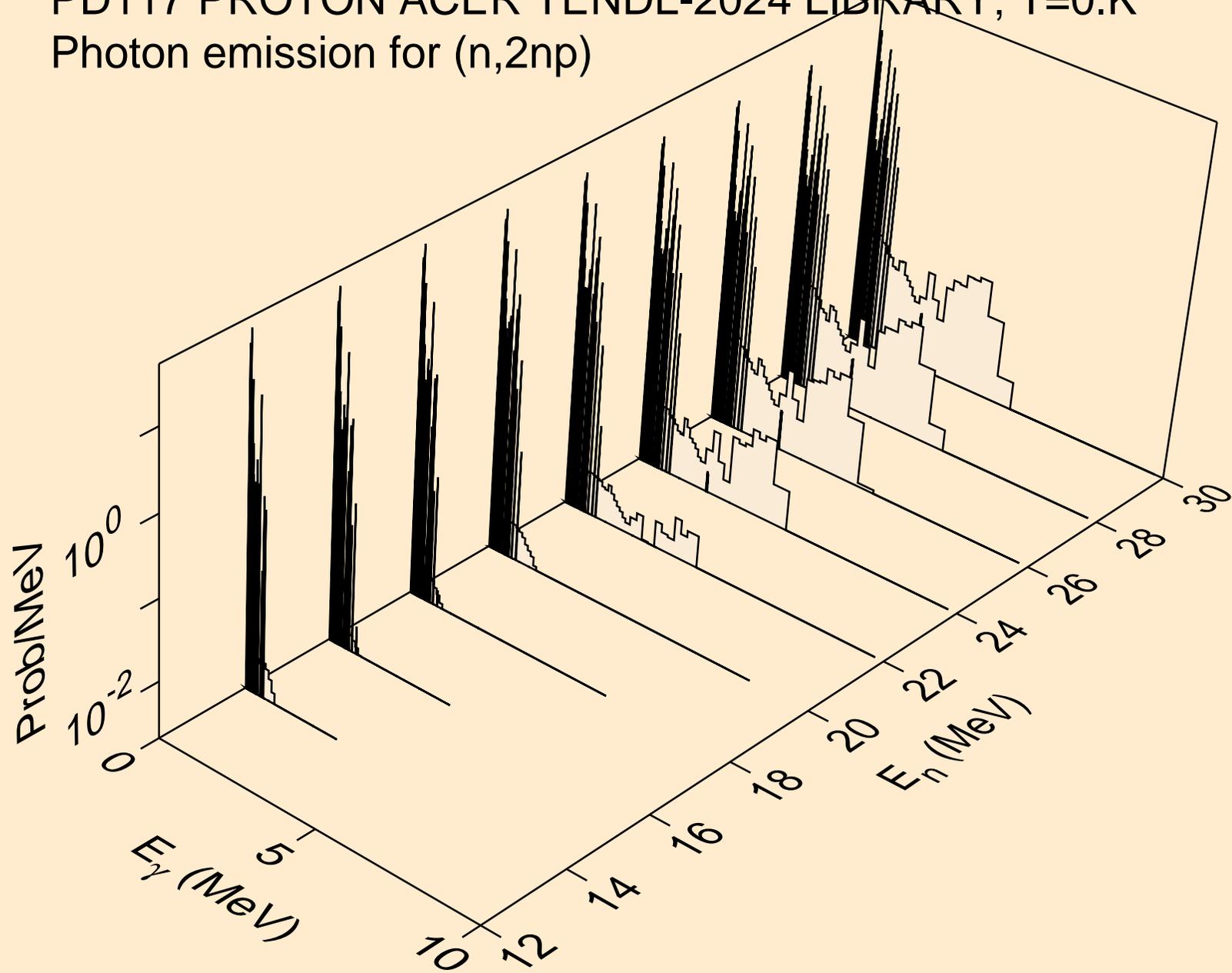
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Photon emission for (n,n\*)he3



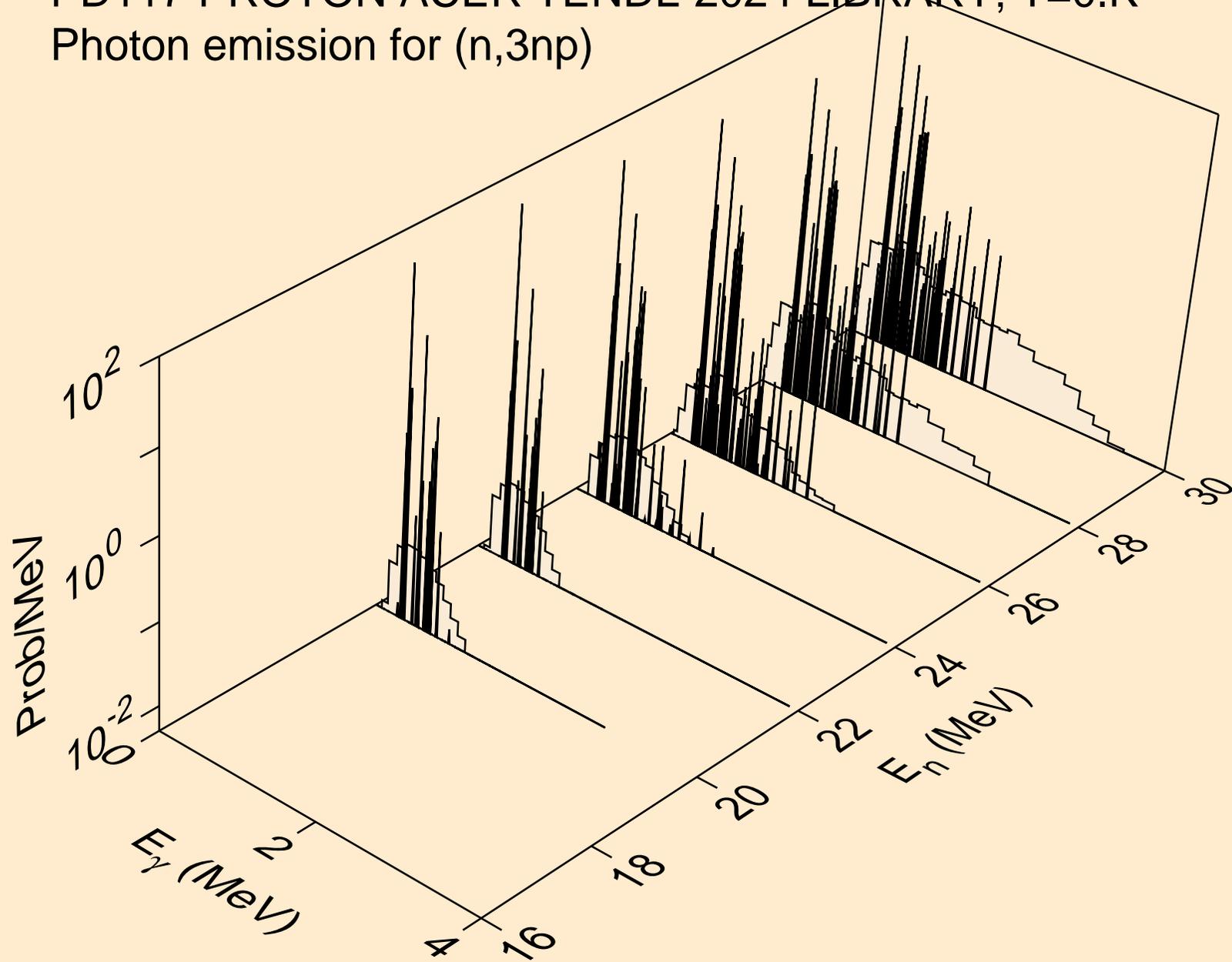
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Photon emission for (n,4n)



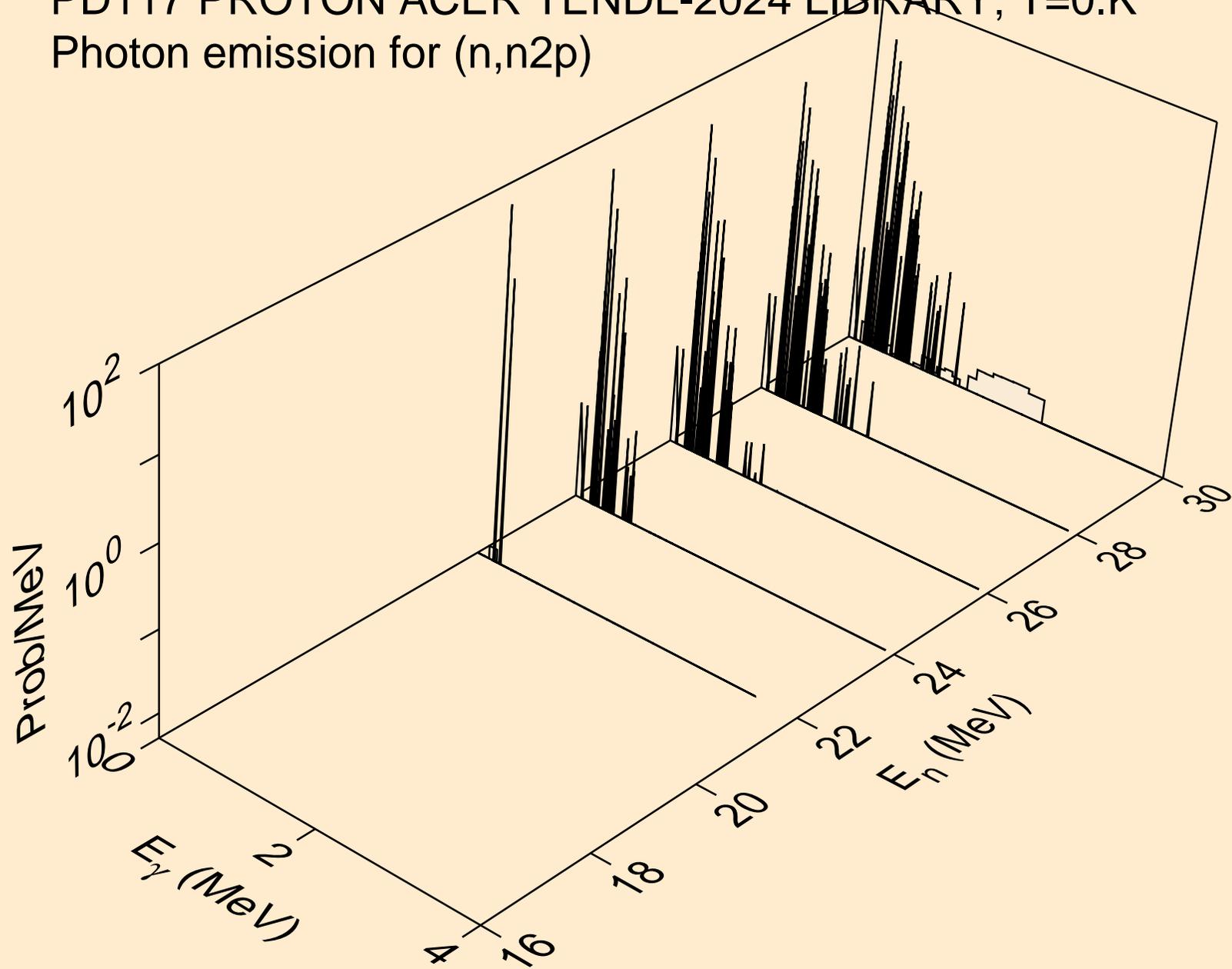
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Photon emission for (n,2np)



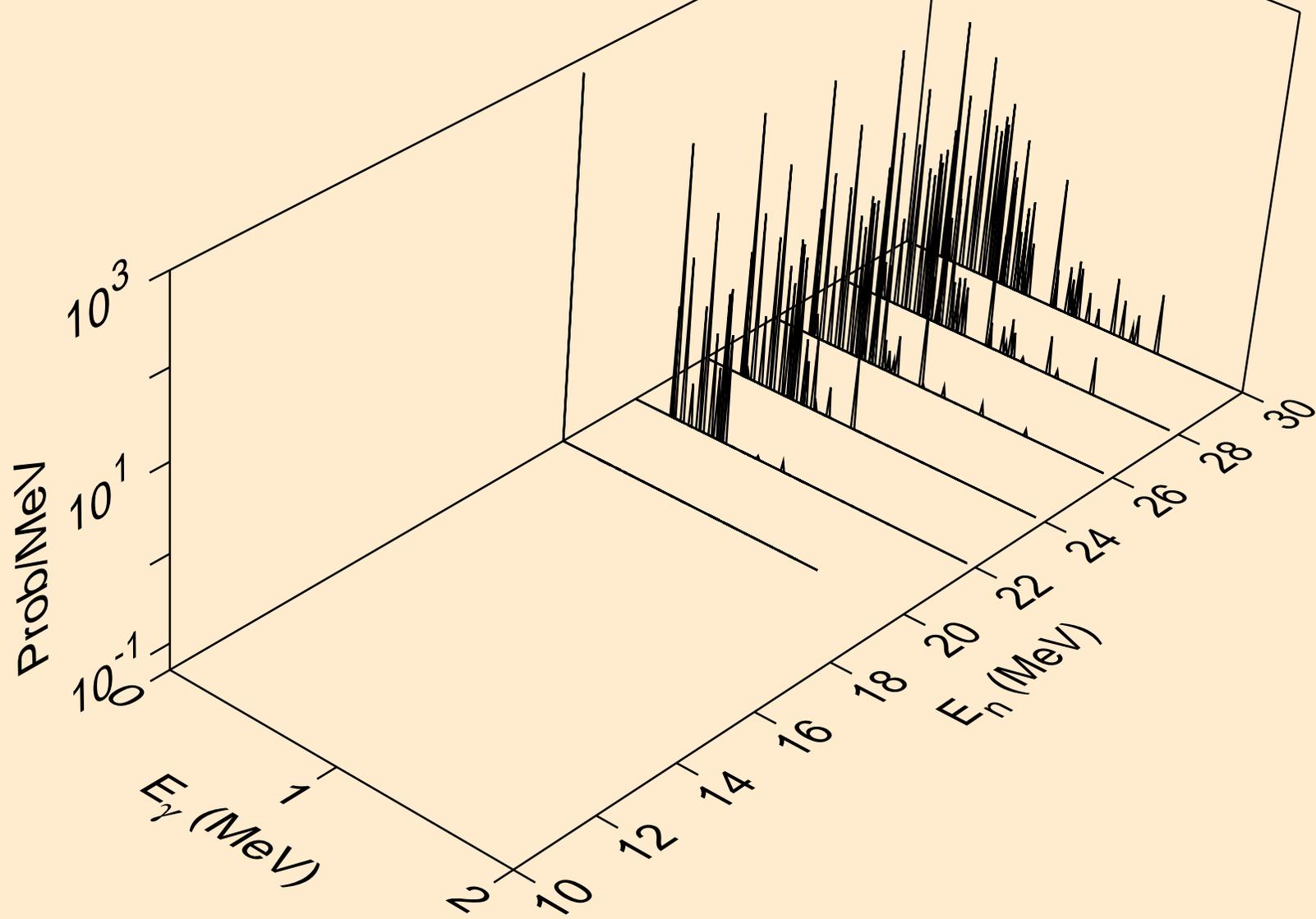
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Photon emission for (n,3np)



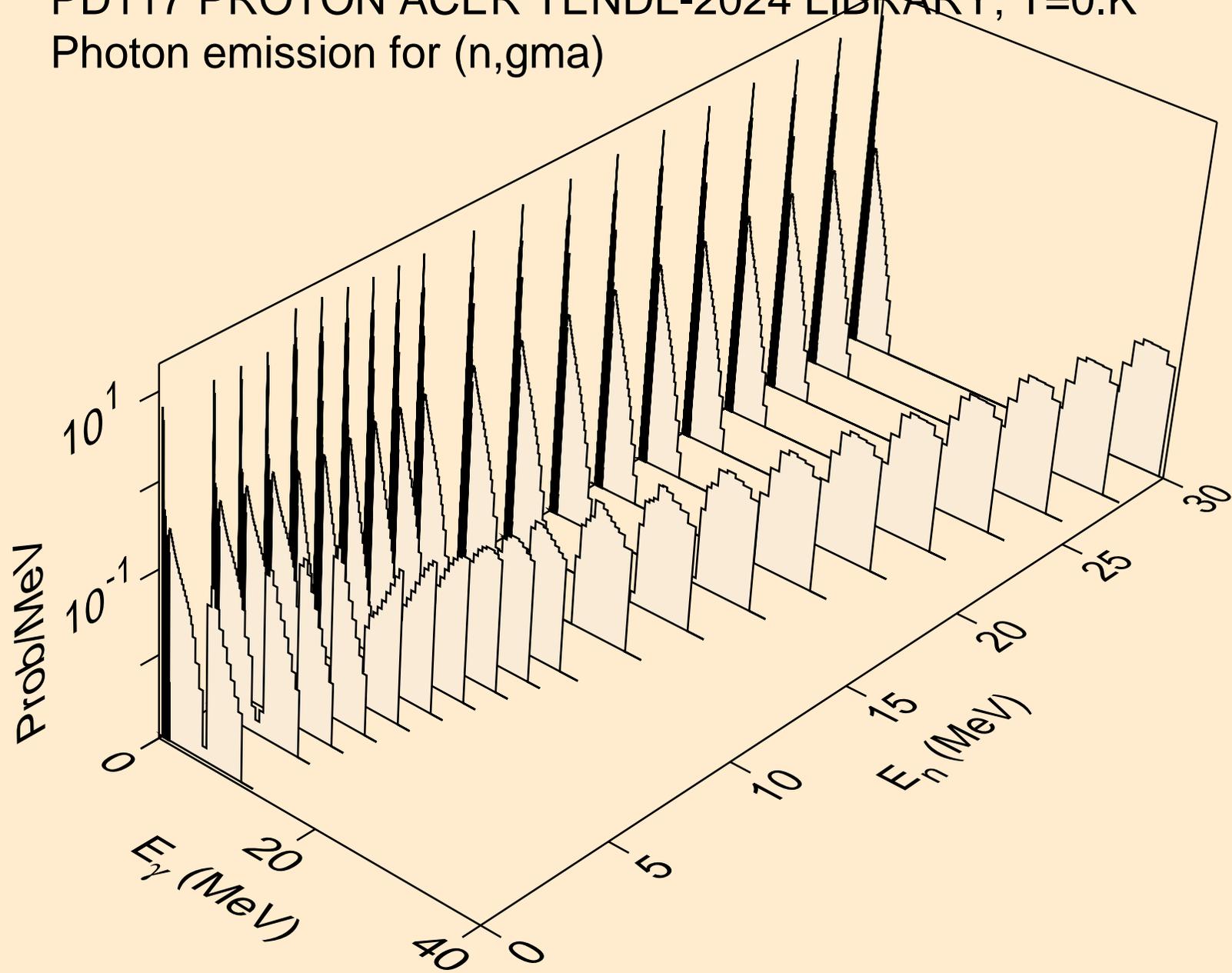
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Photon emission for (n,n2p)



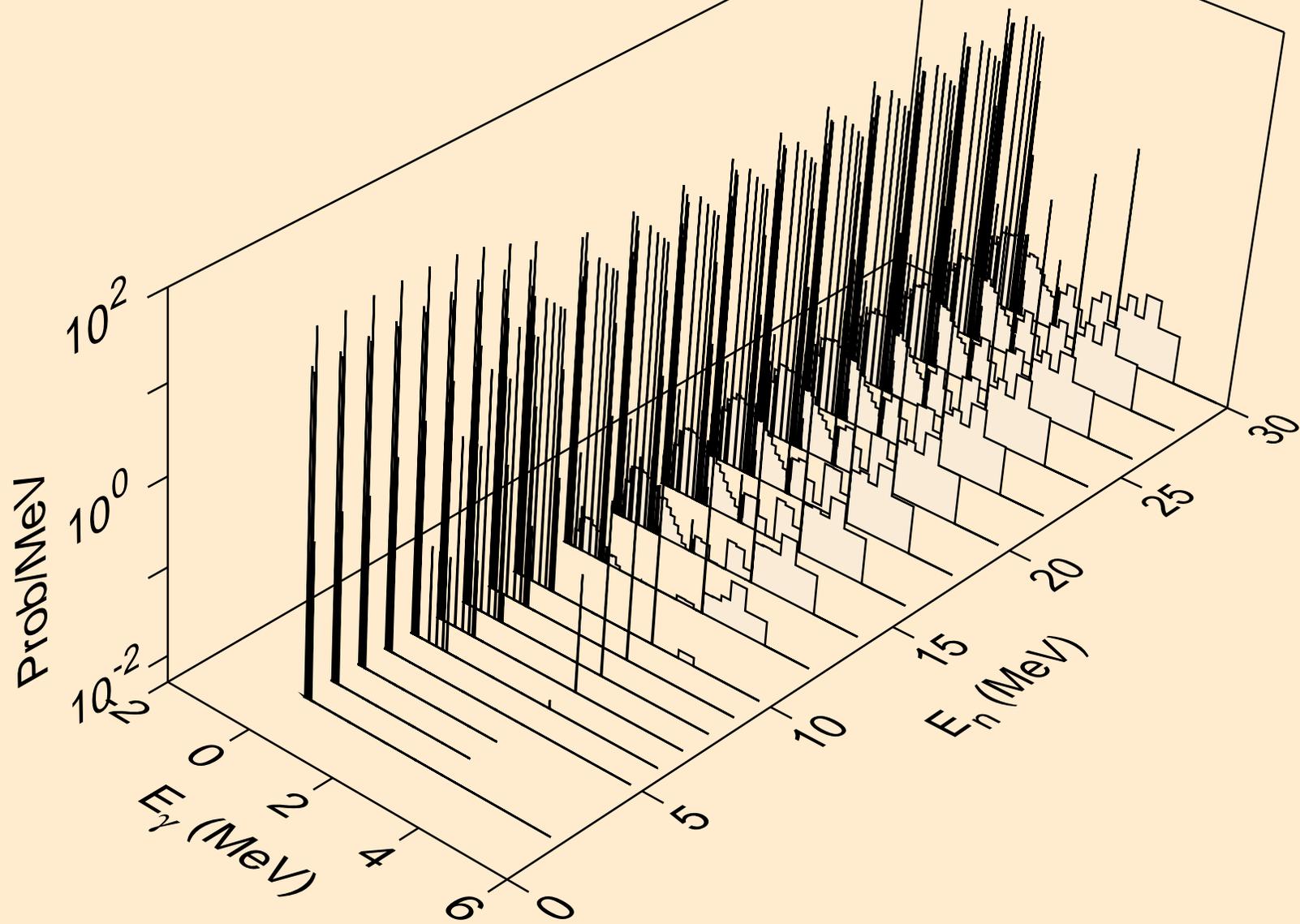
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Photon emission for (n,npa)



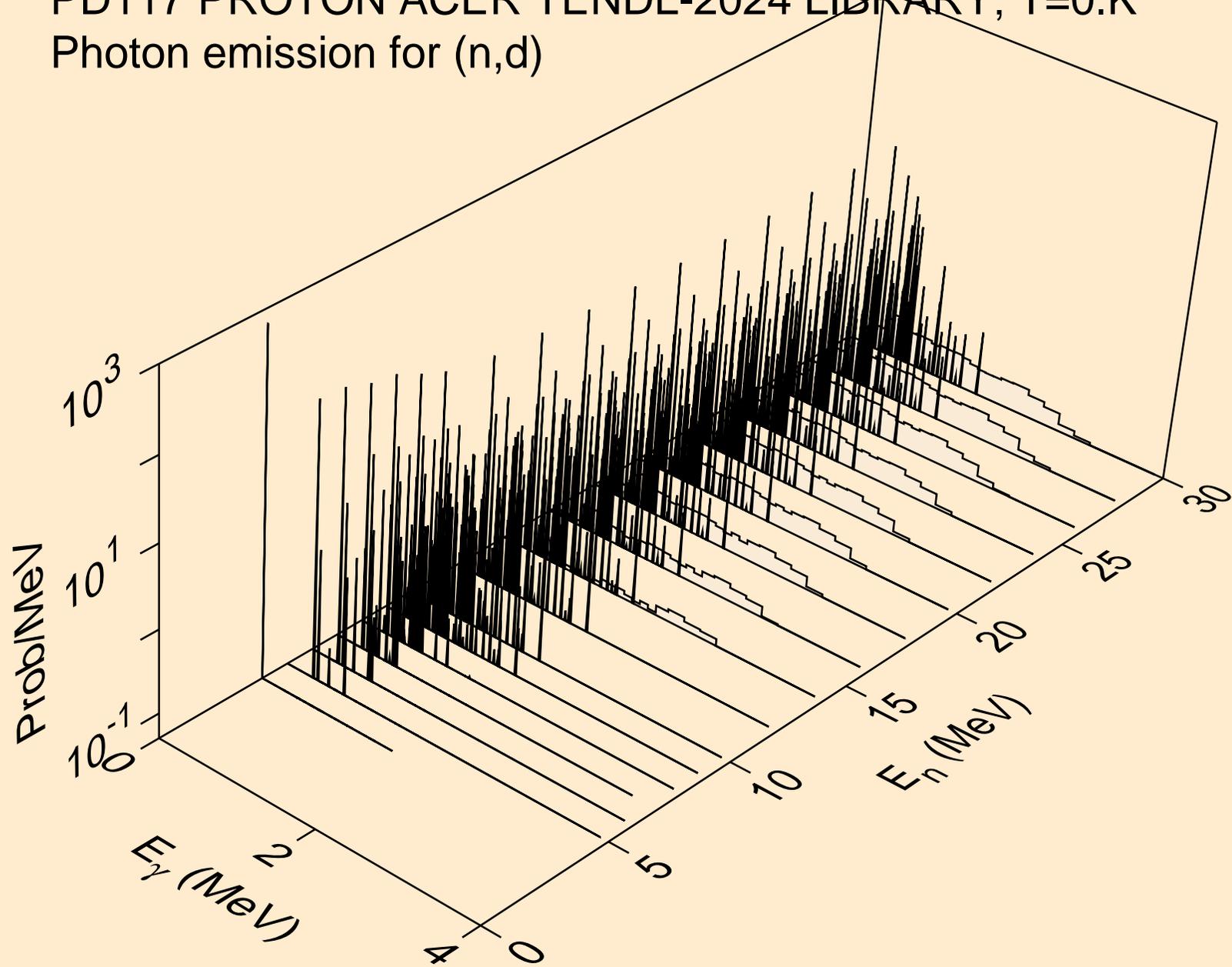
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Photon emission for (n,gma)



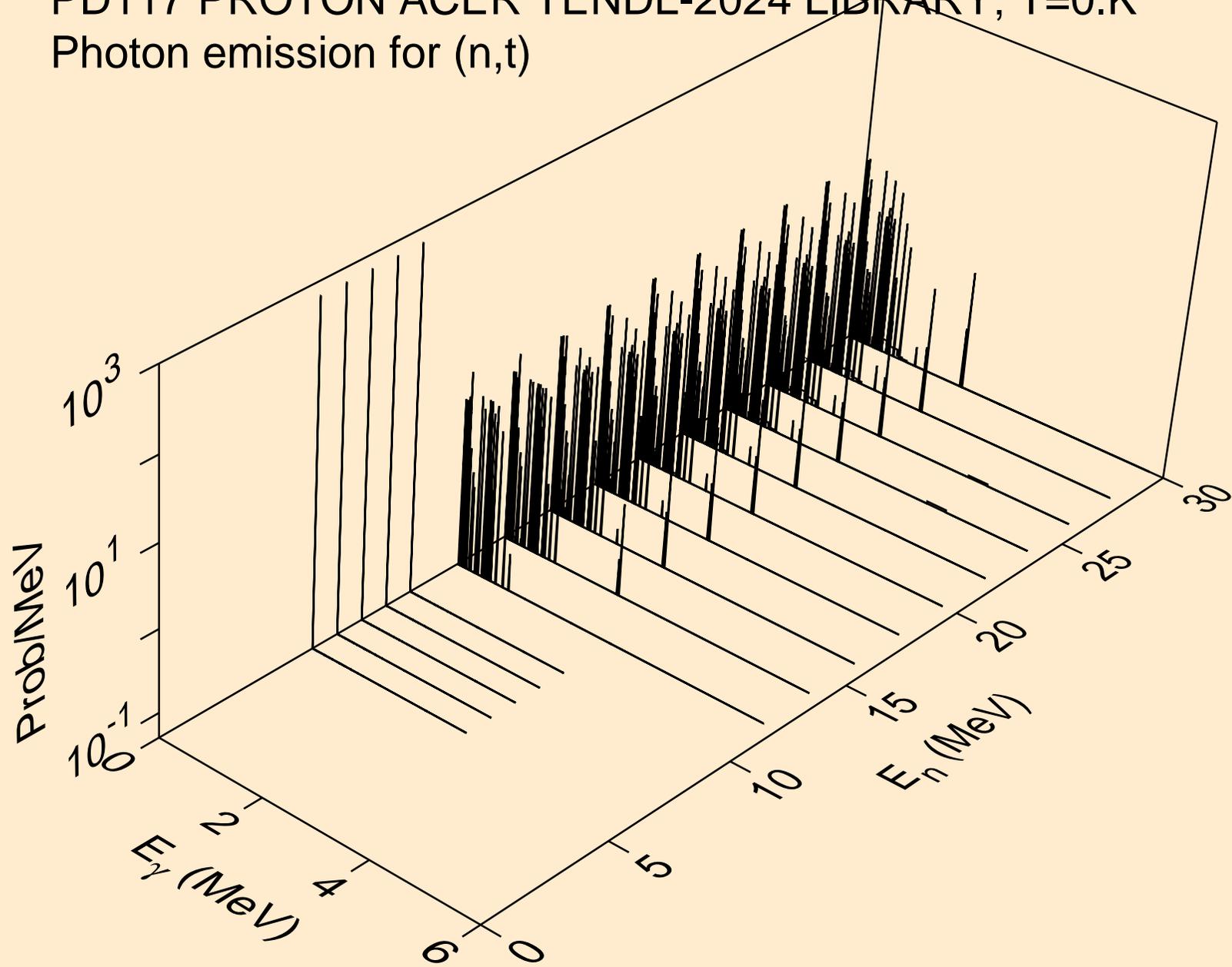
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Photon emission for inelastic



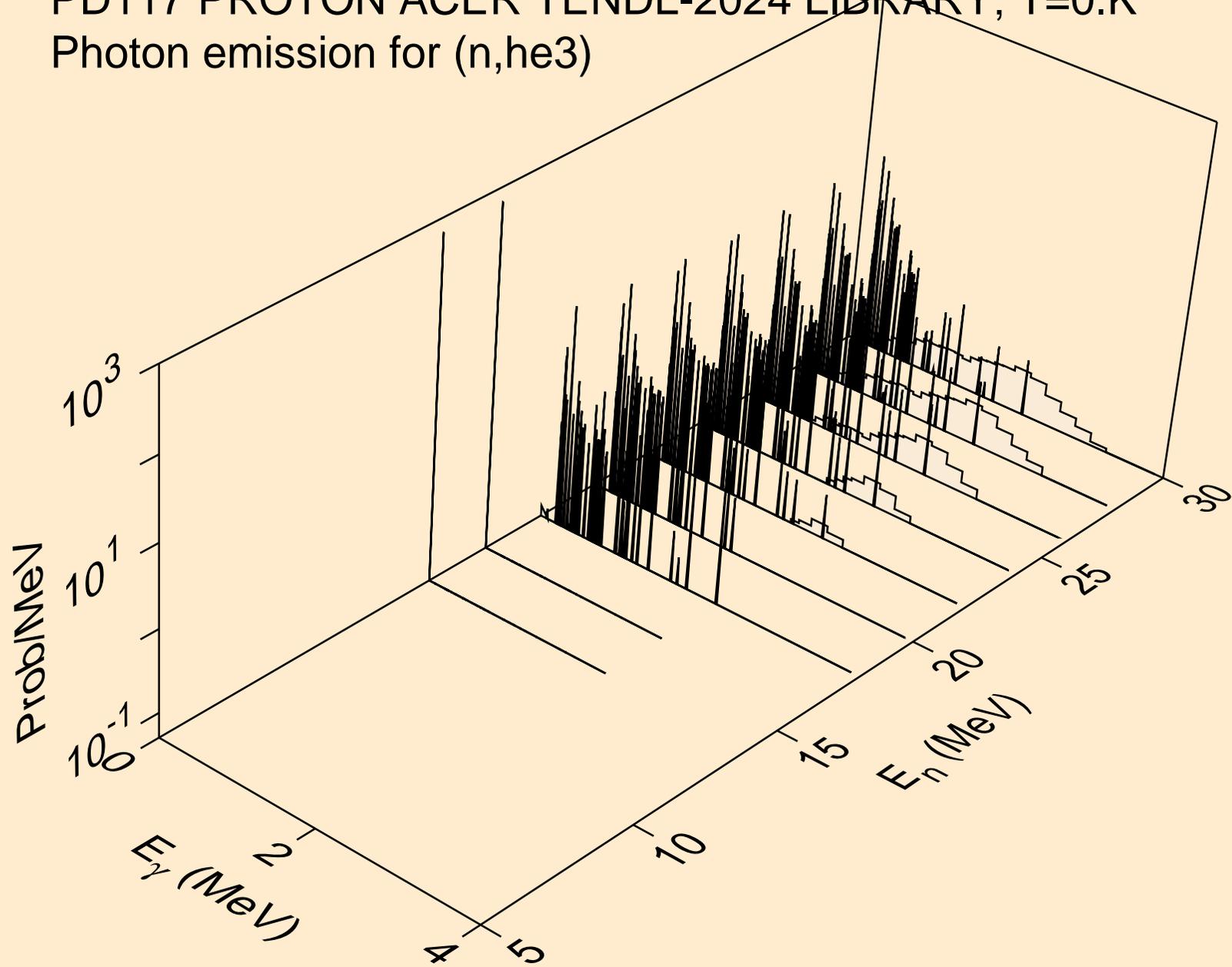
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Photon emission for (n,d)



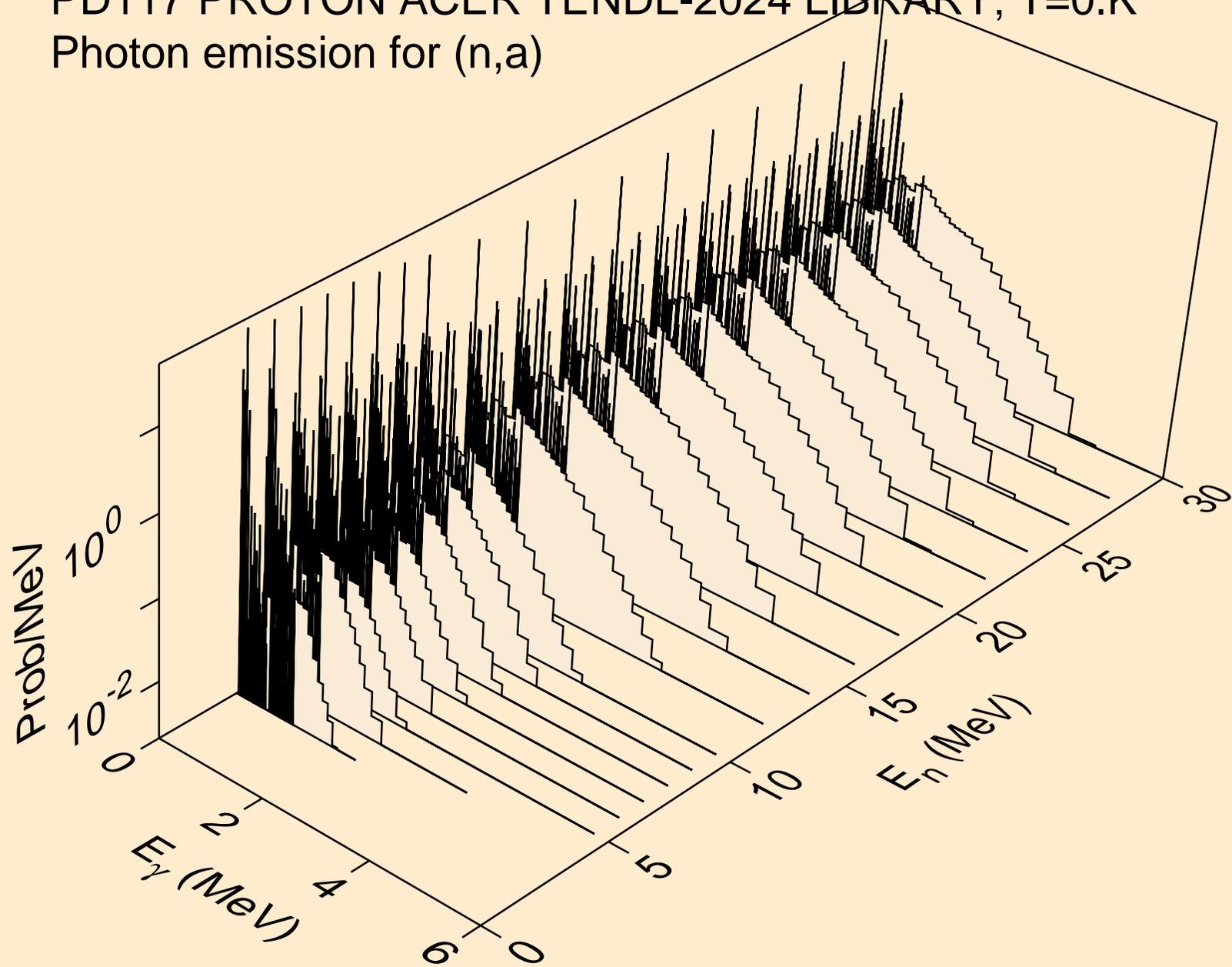
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Photon emission for (n,t)



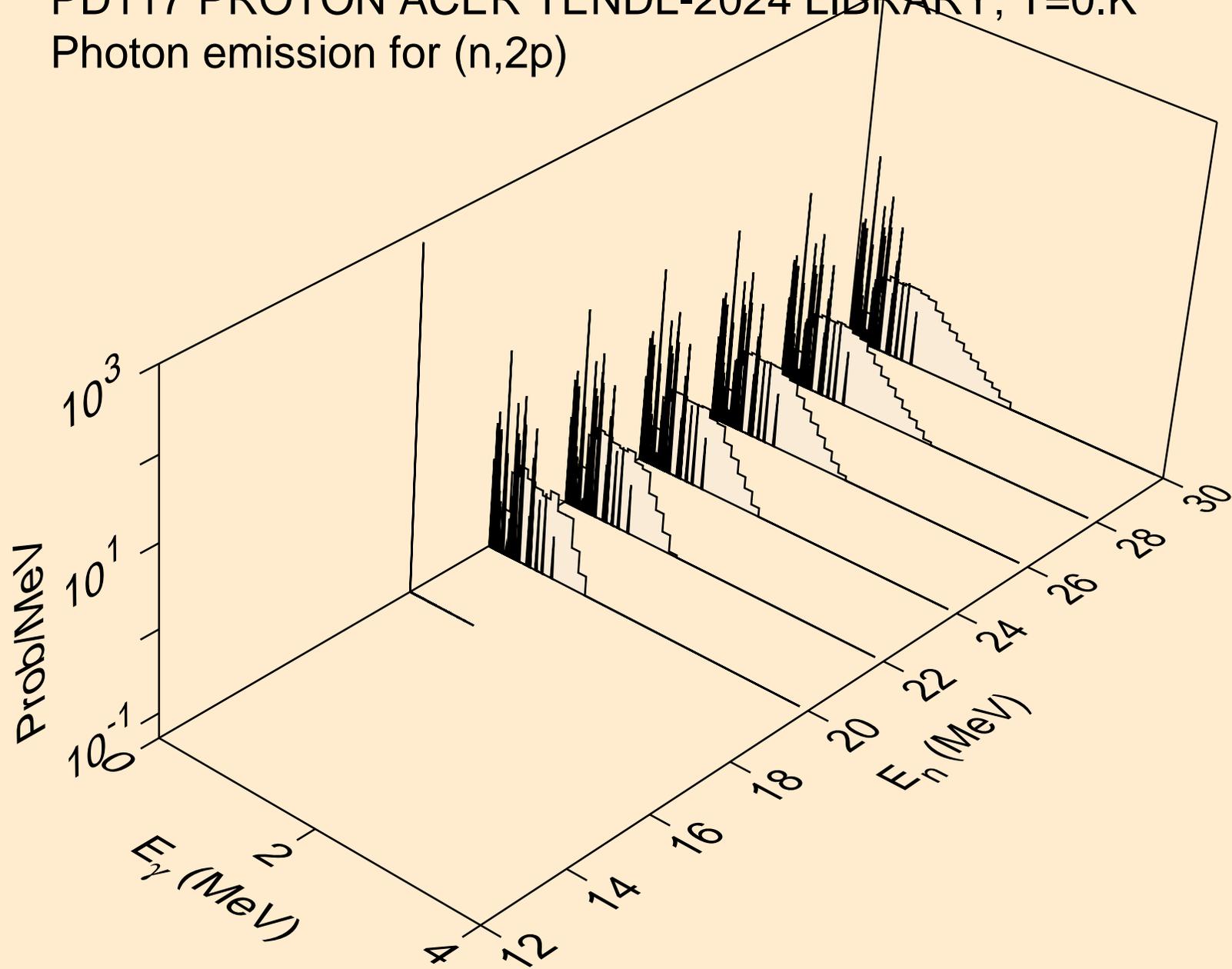
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Photon emission for (n,he3)



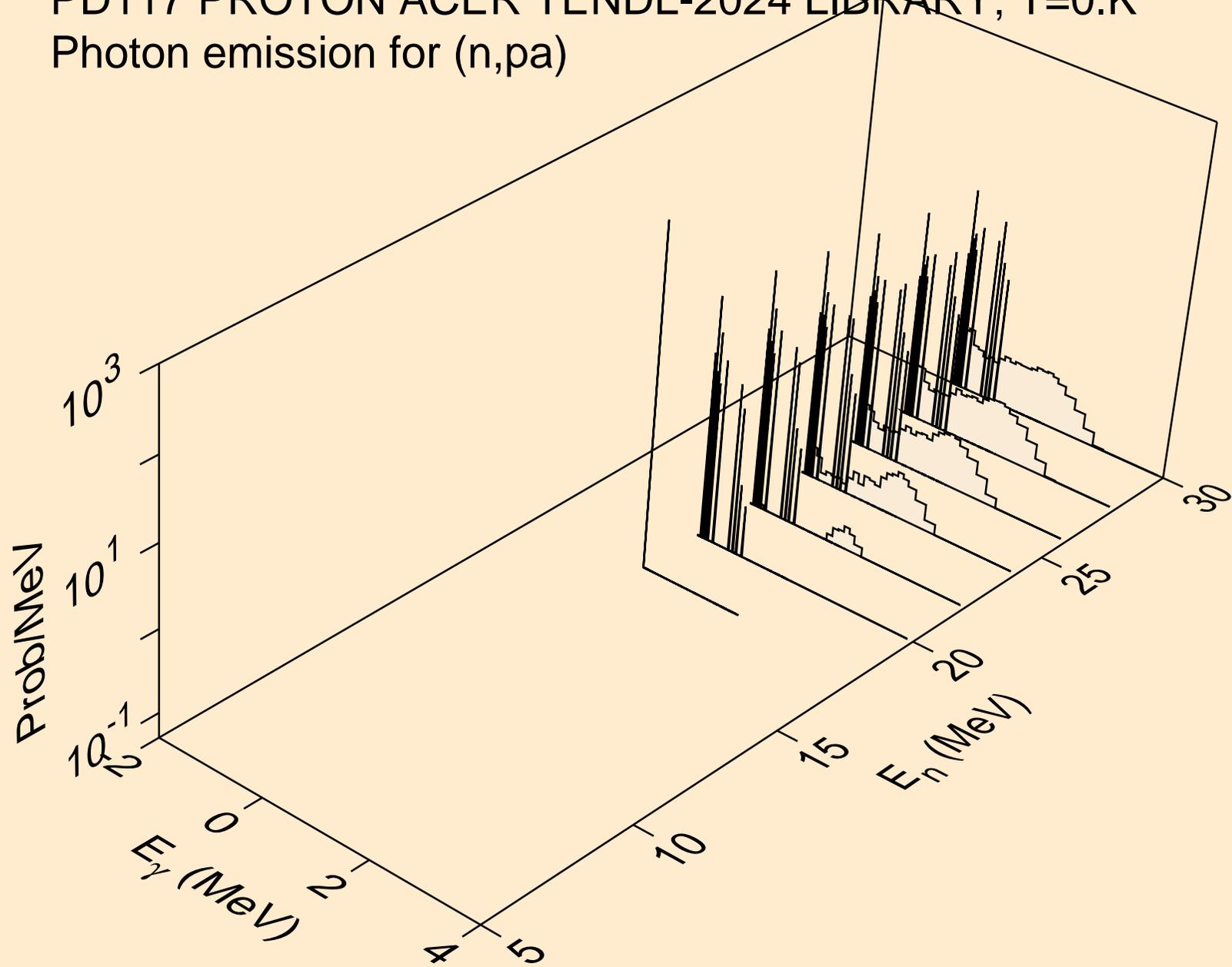
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Photon emission for (n,a)



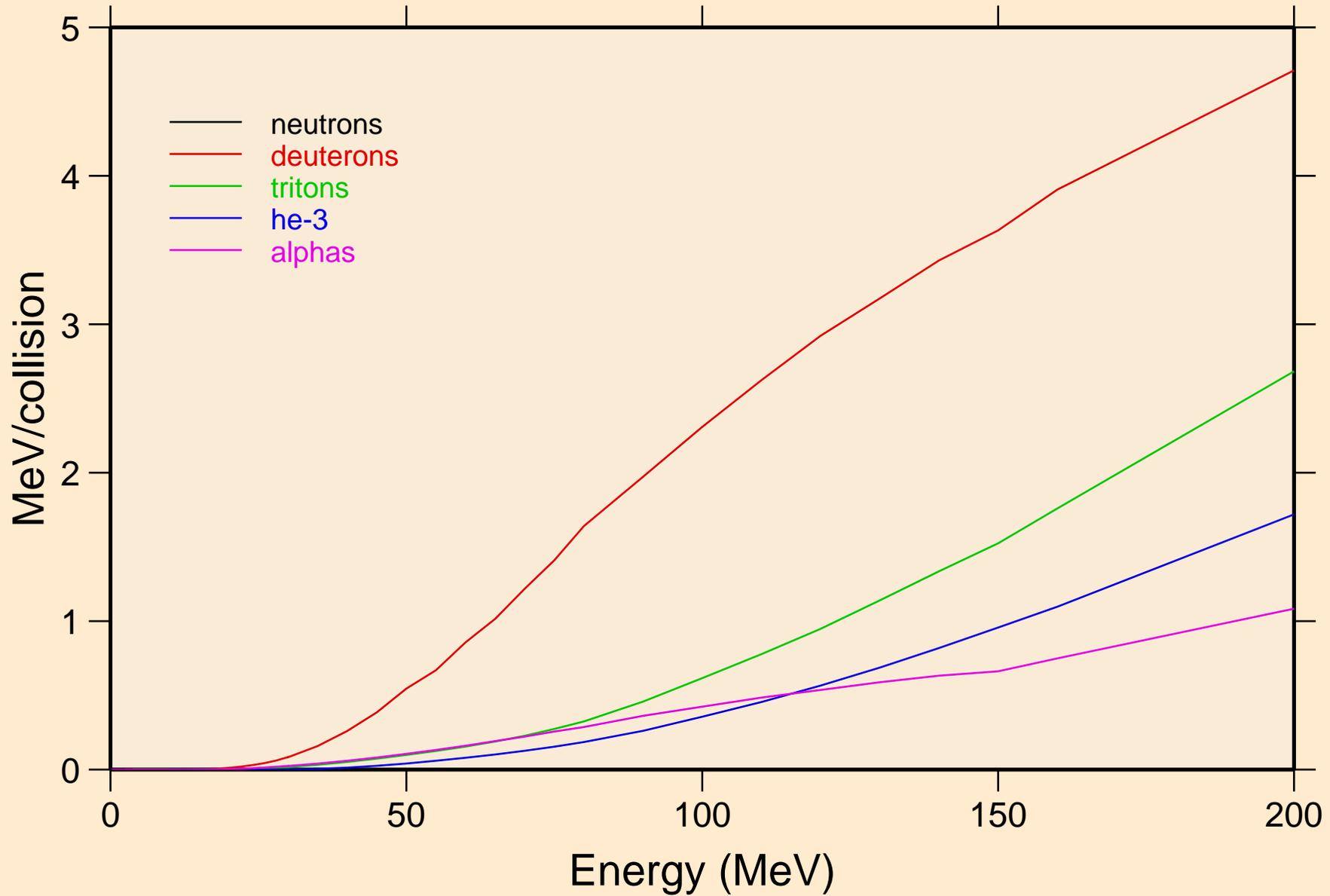
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Photon emission for (n,2p)



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Photon emission for (n,pa)

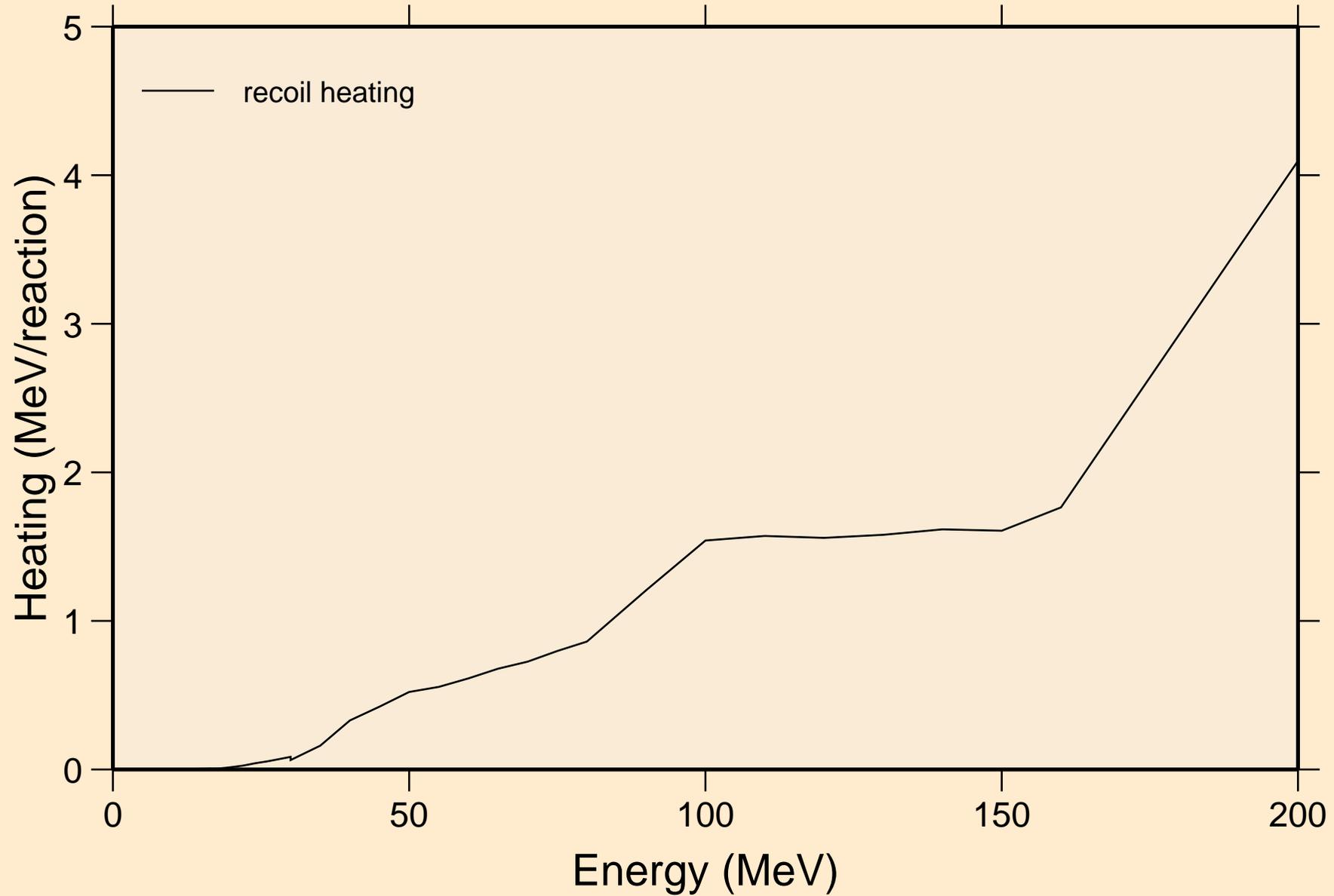


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Particle heating contributions

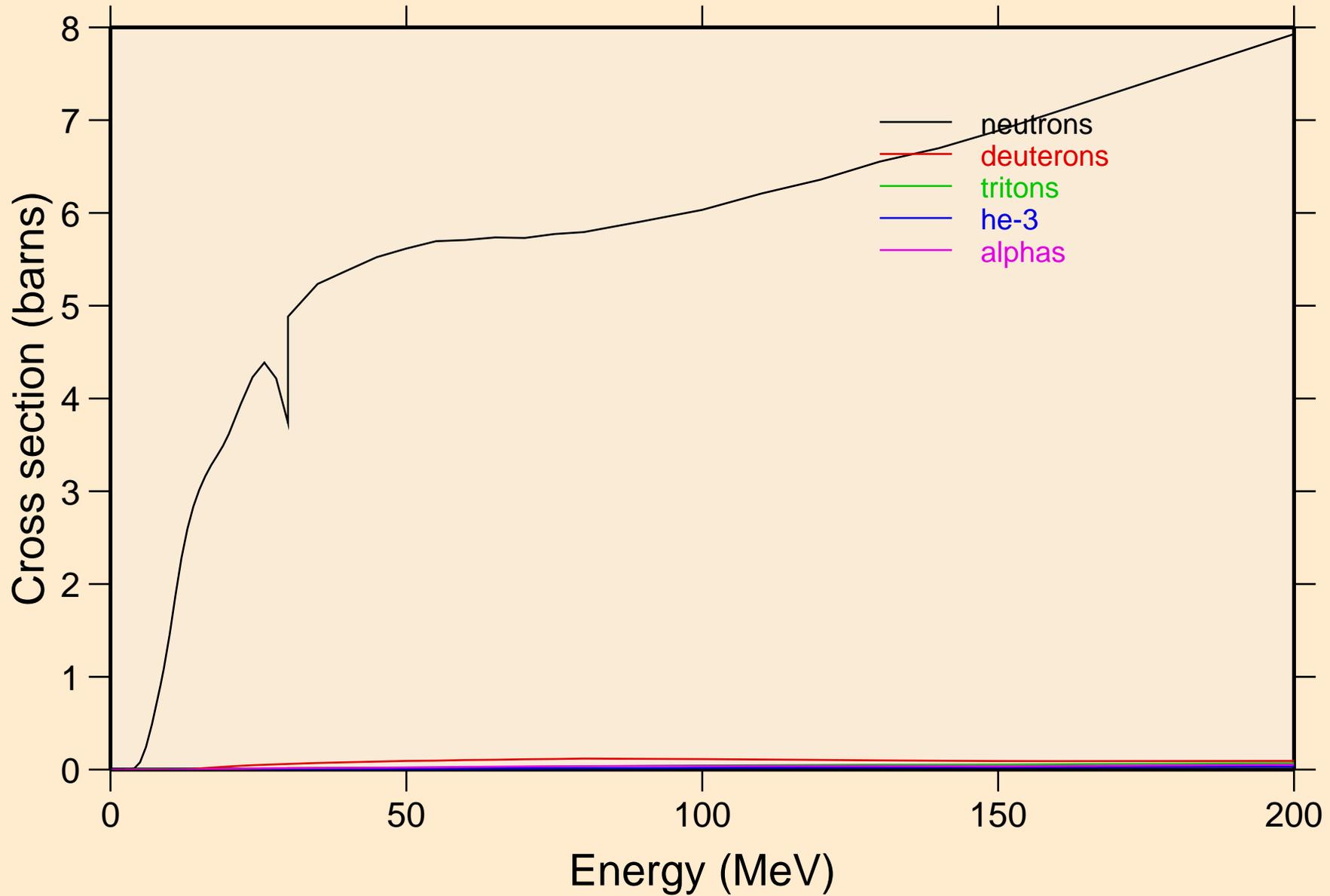


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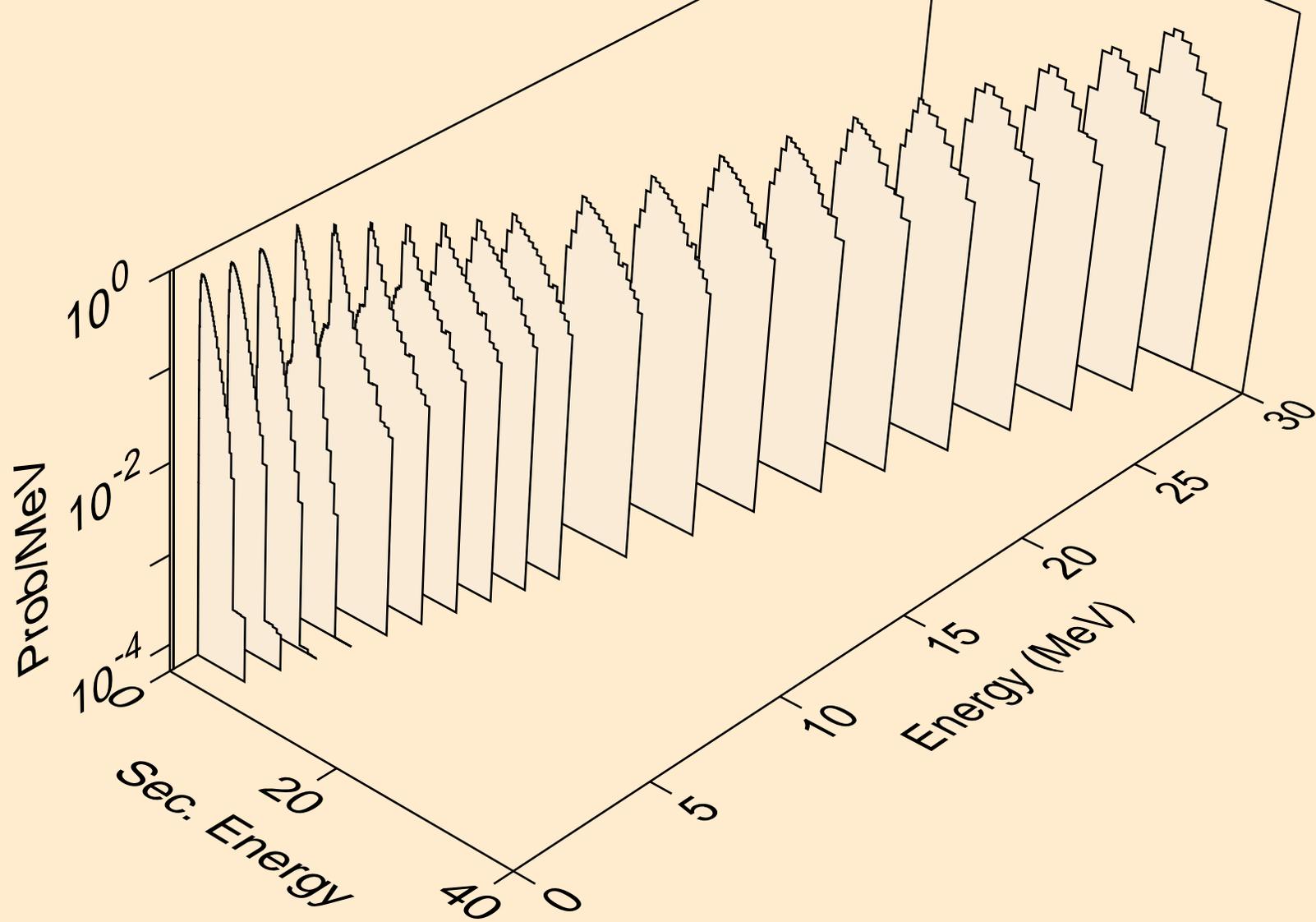
## Recoil Heating



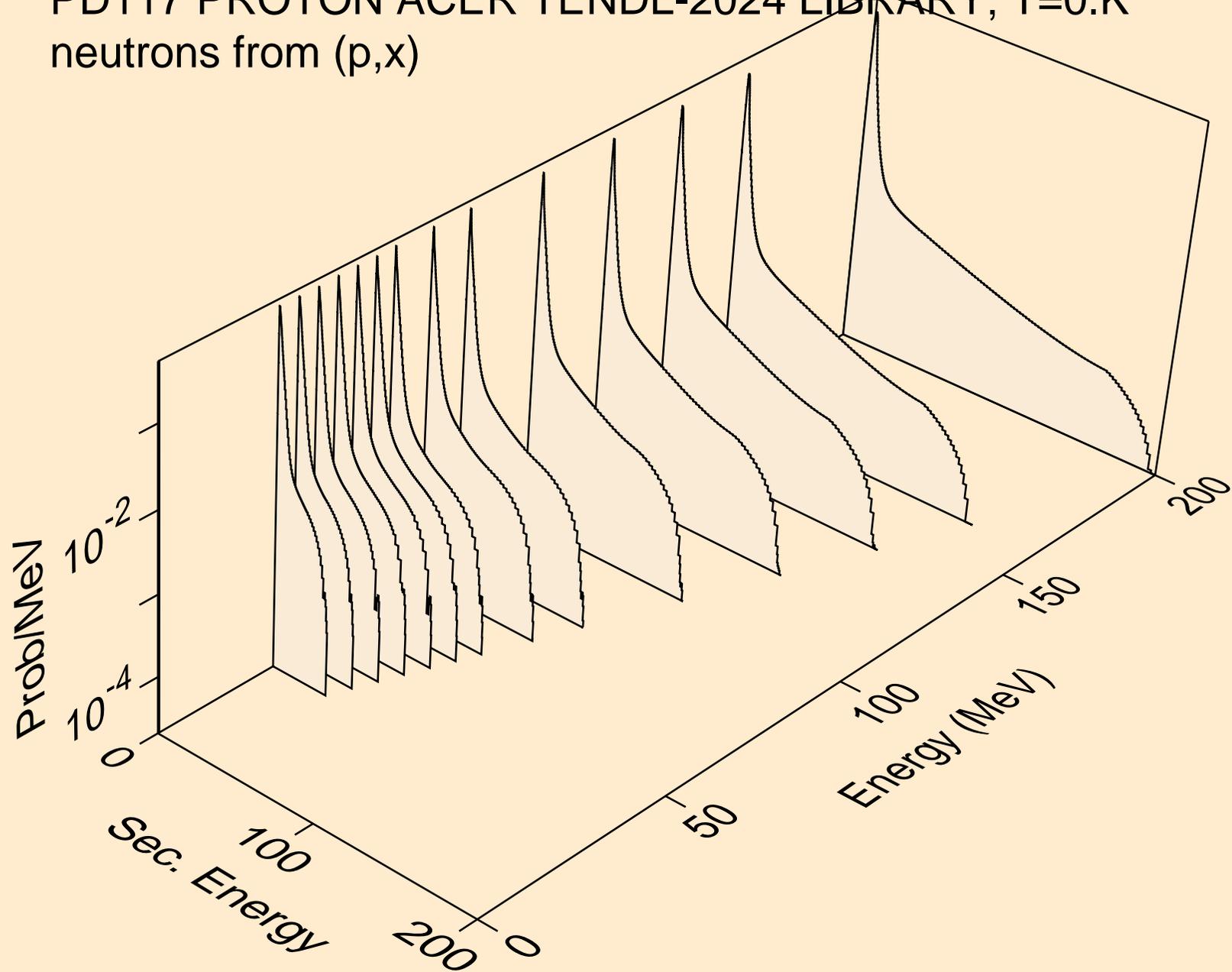
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Particle production cross sections



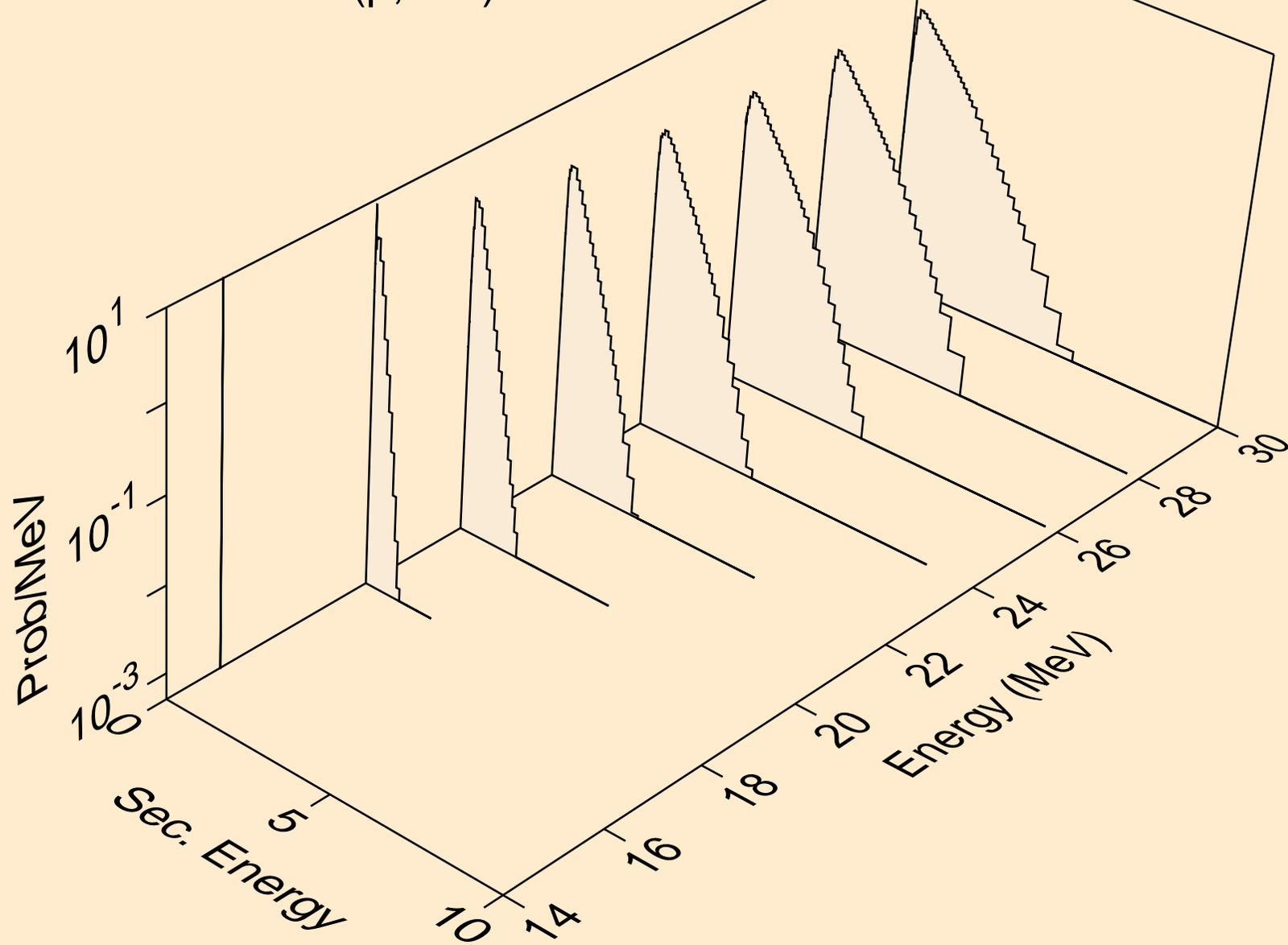
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neutrons from (p,n)



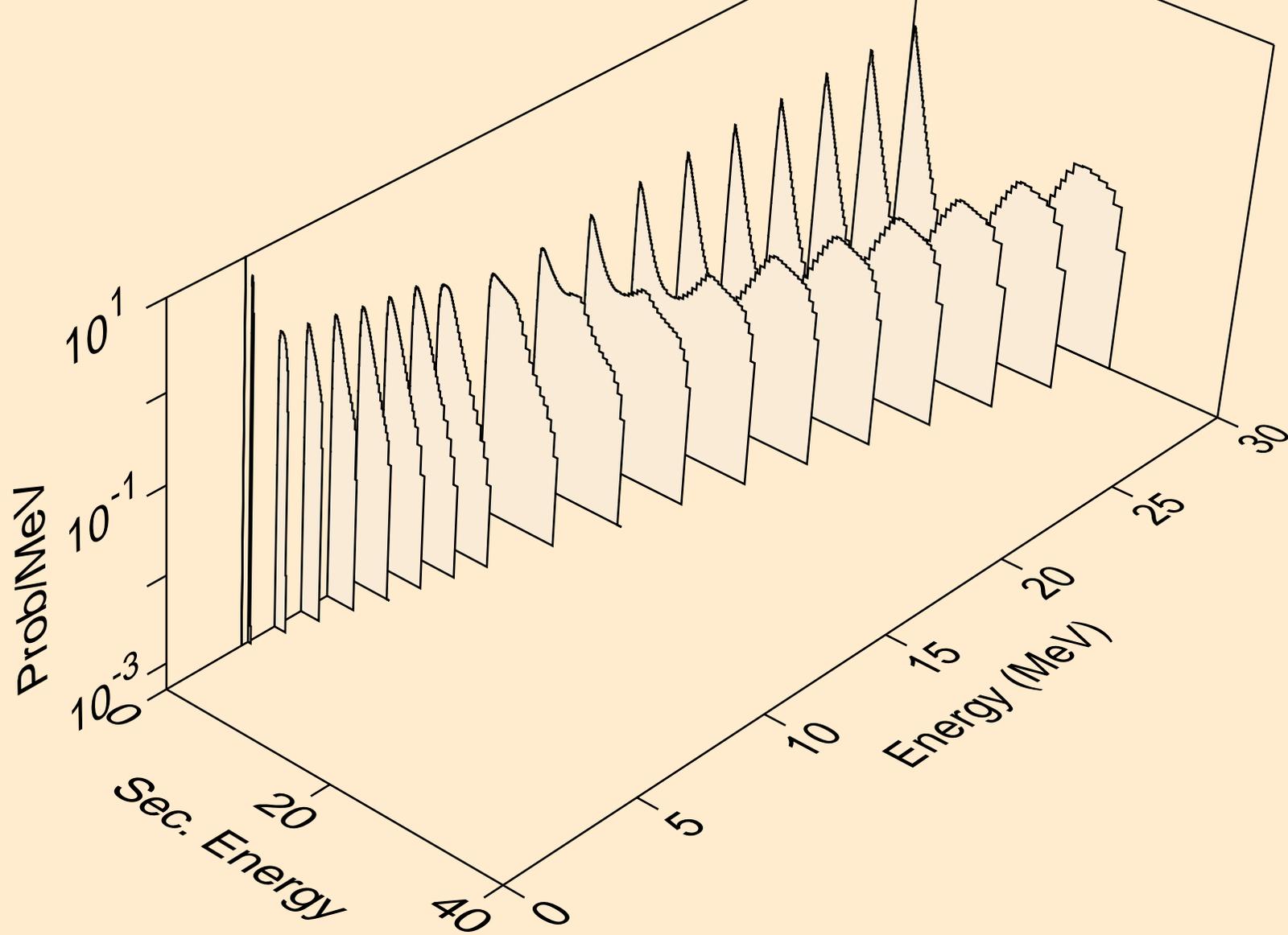
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neutrons from (p,x)



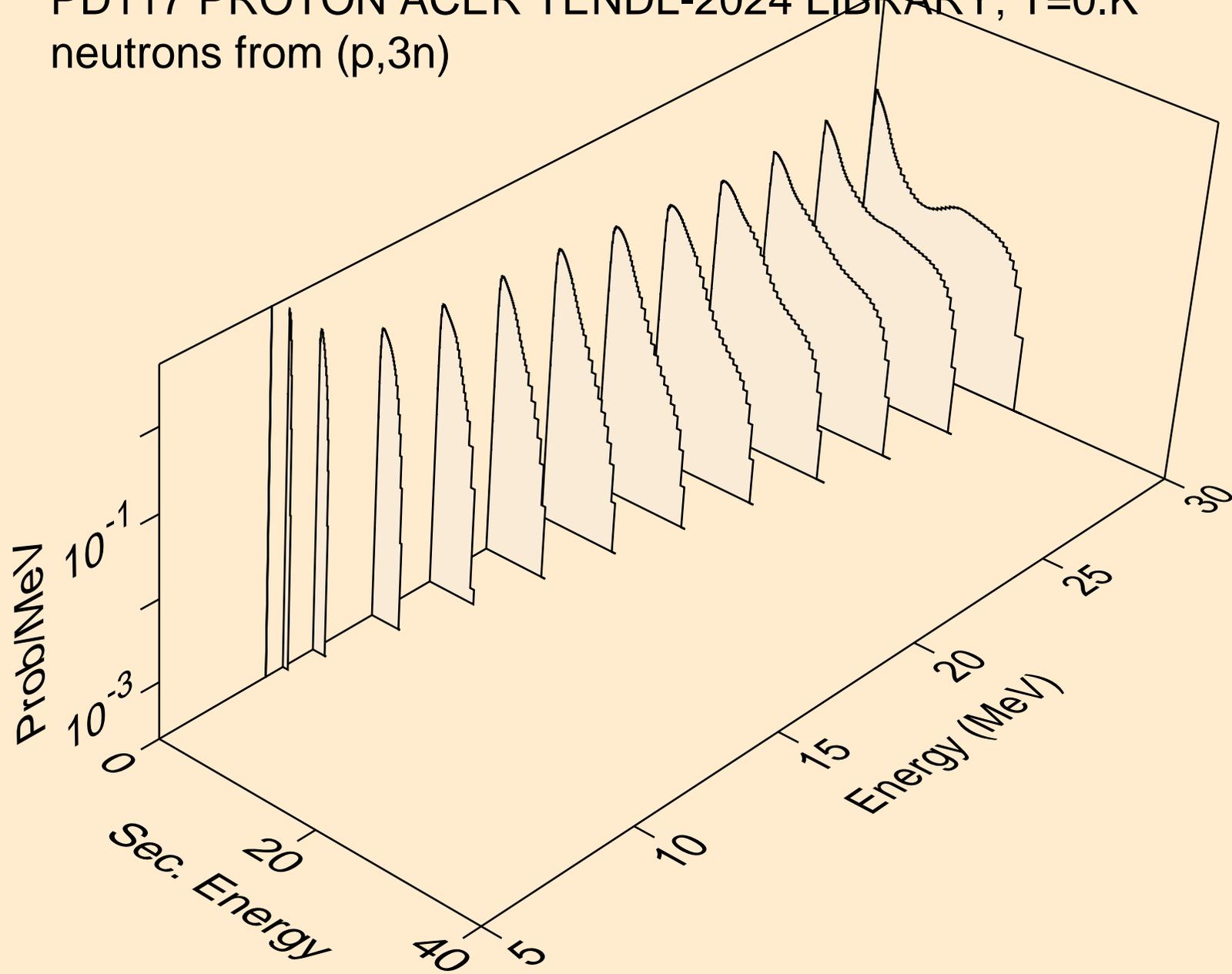
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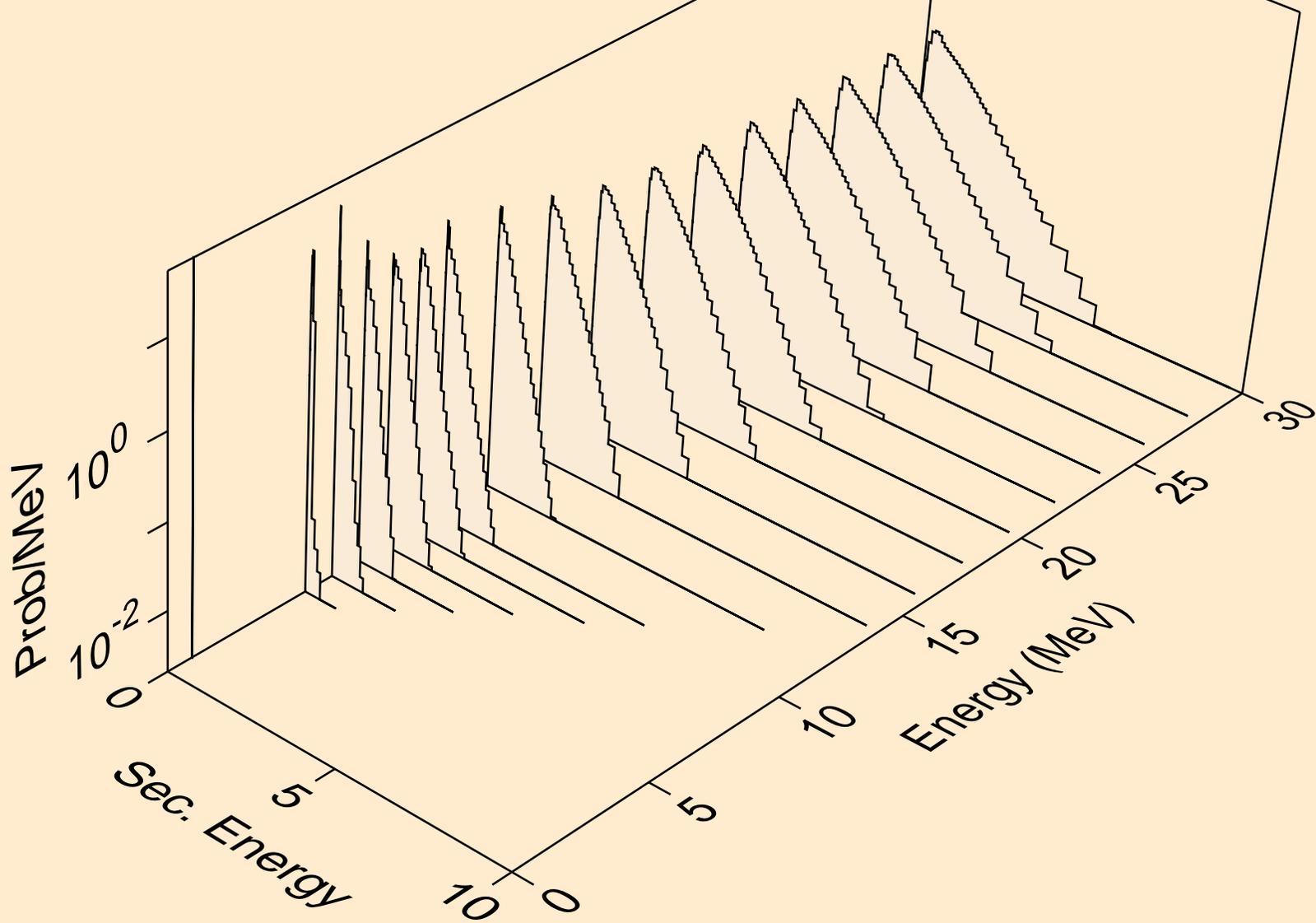
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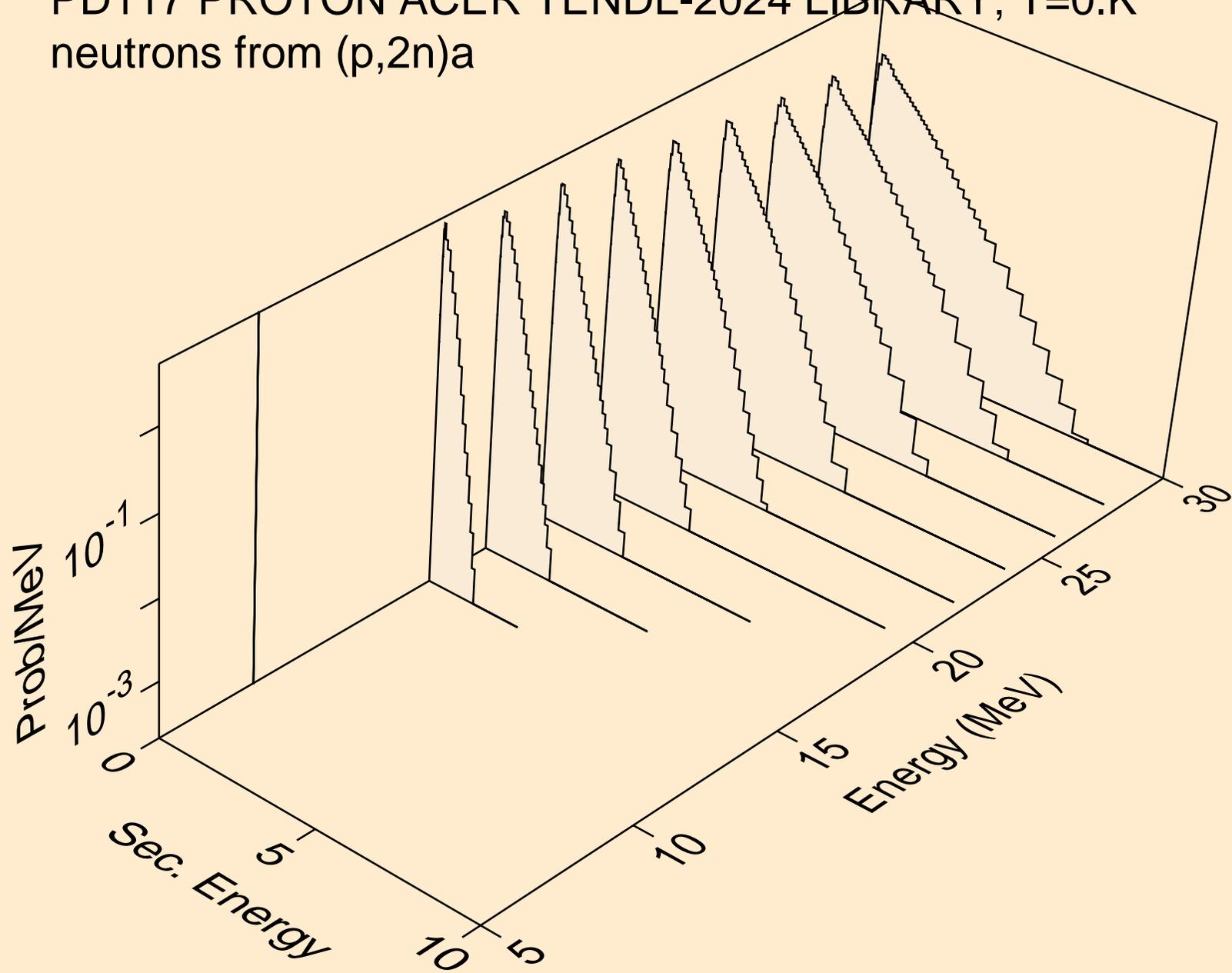
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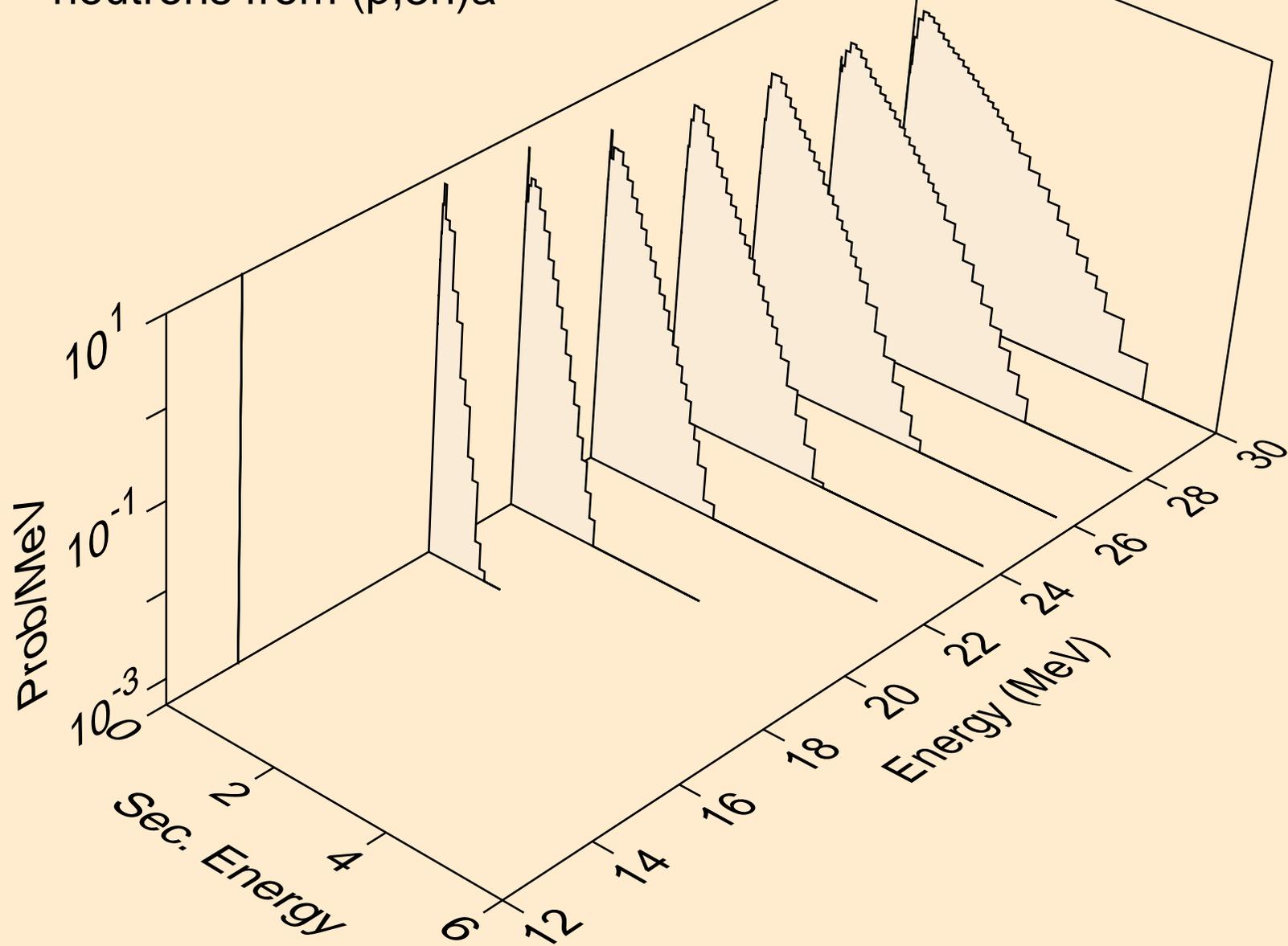
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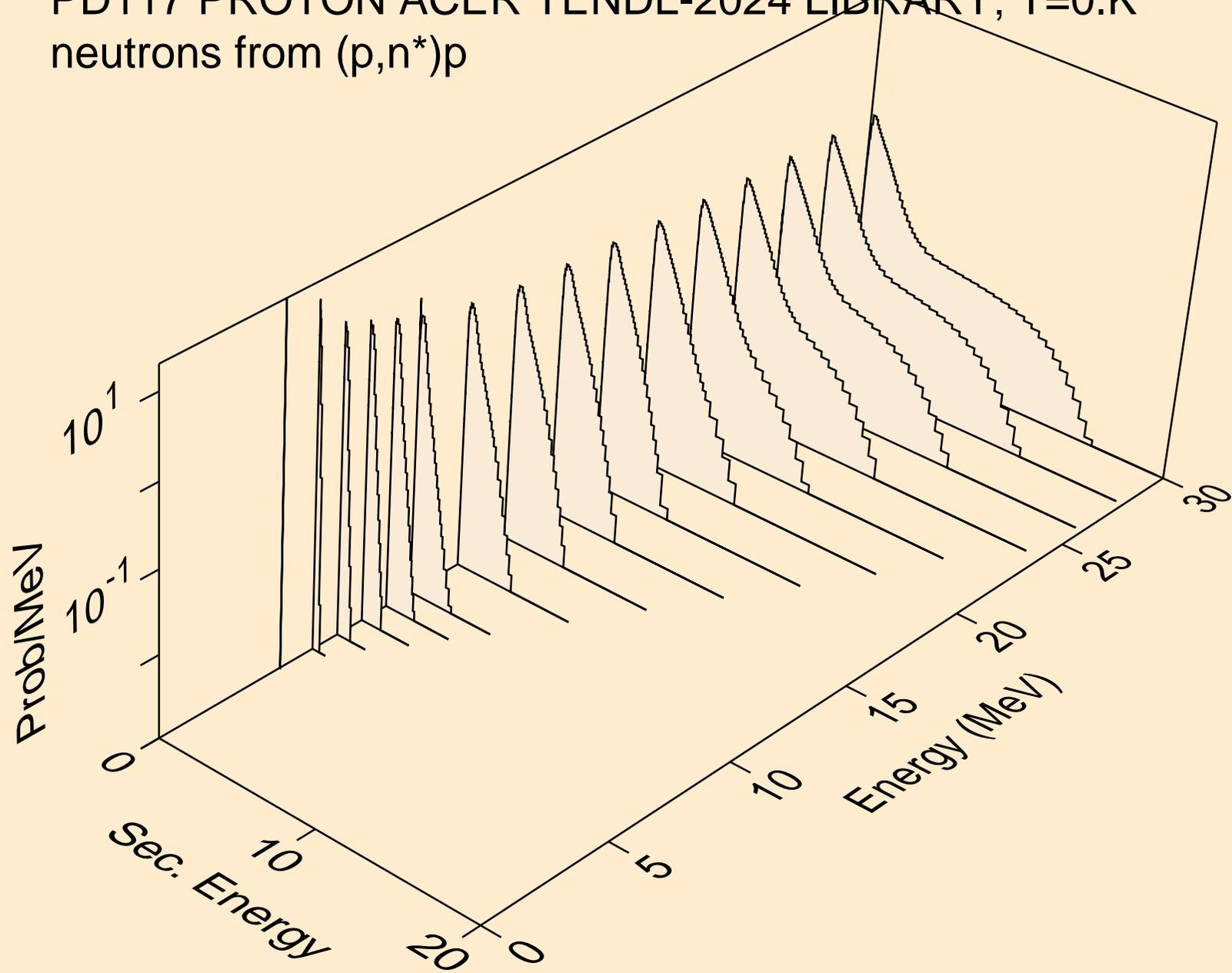
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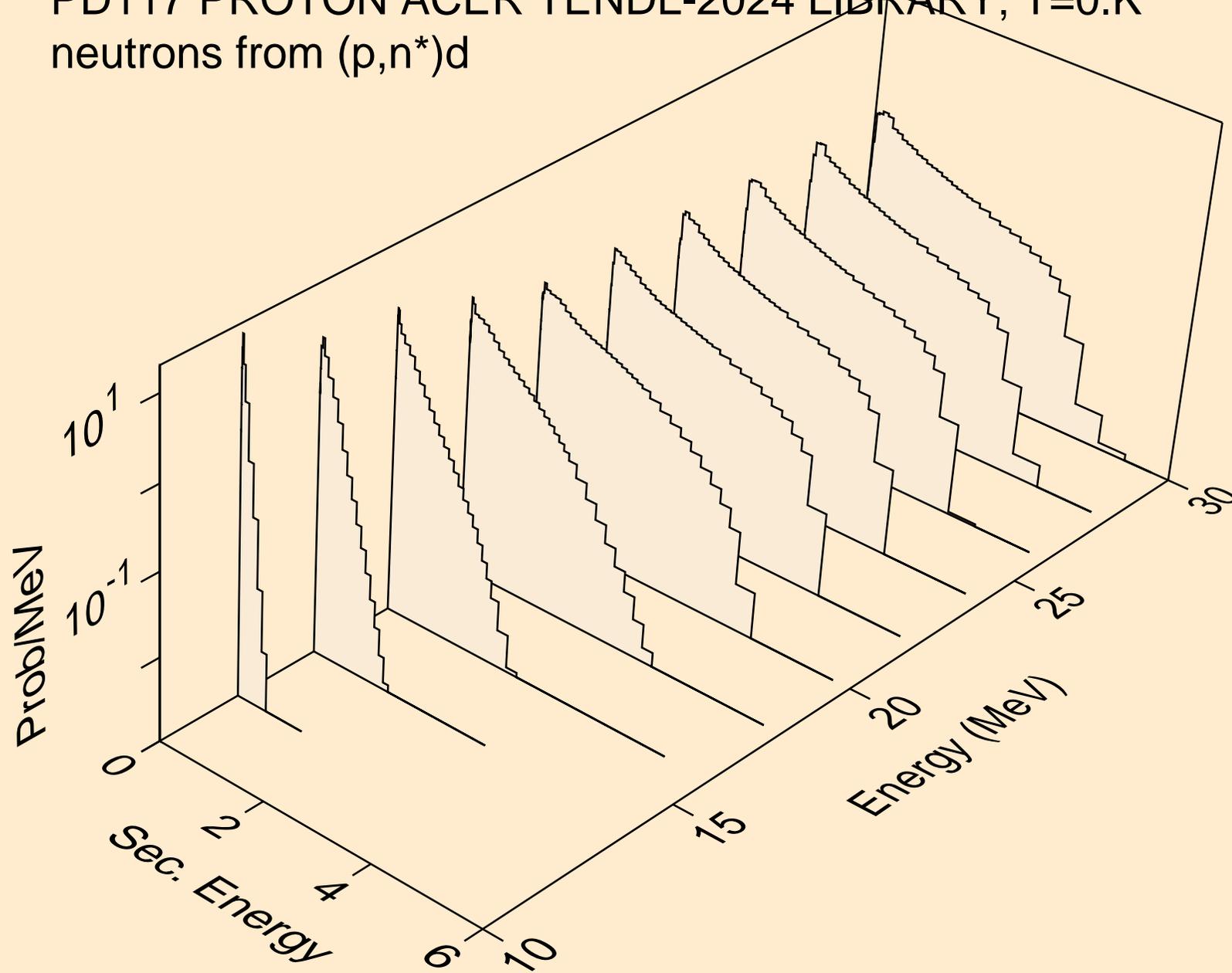
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neutrons from (p,3n)a



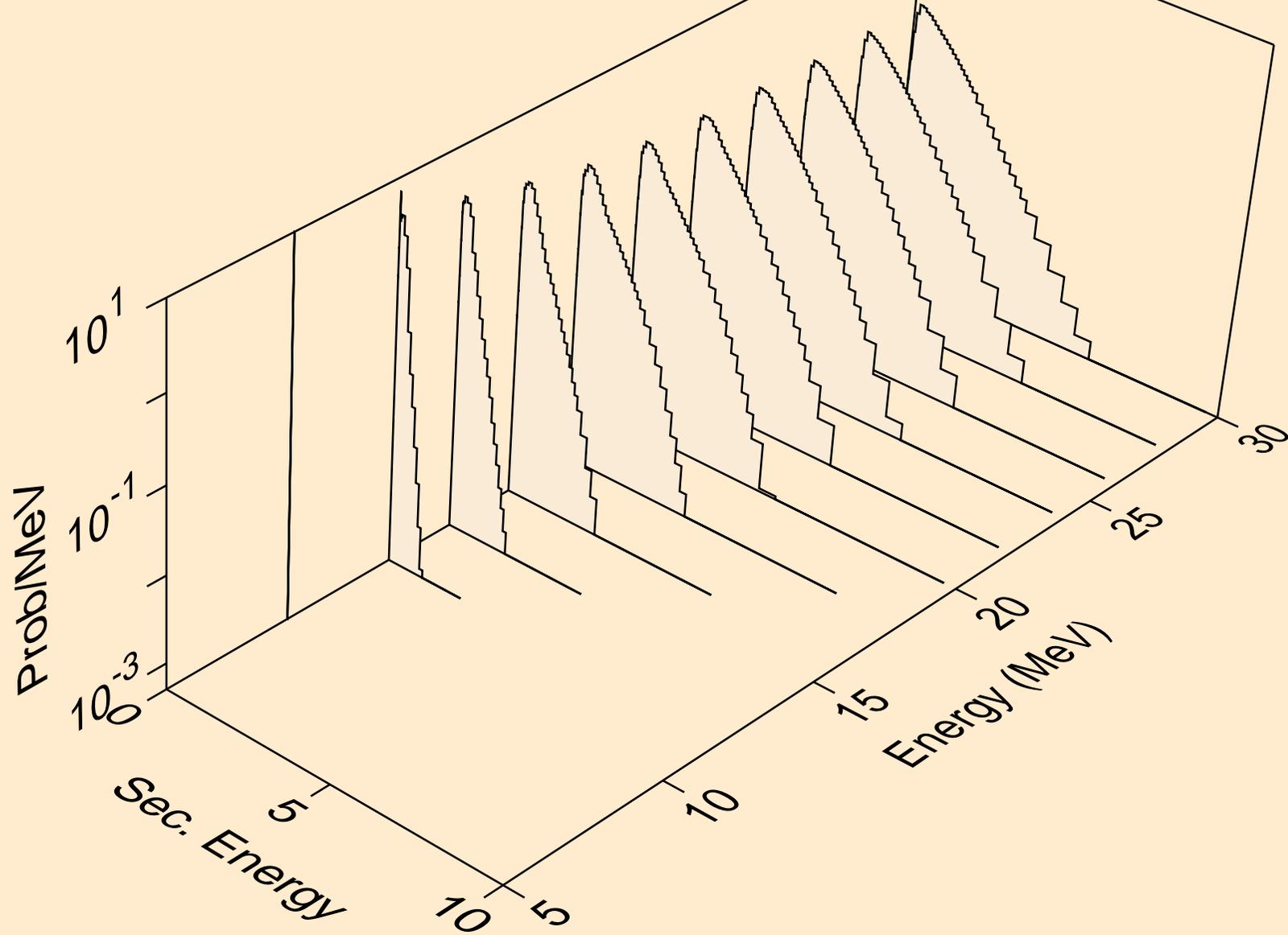
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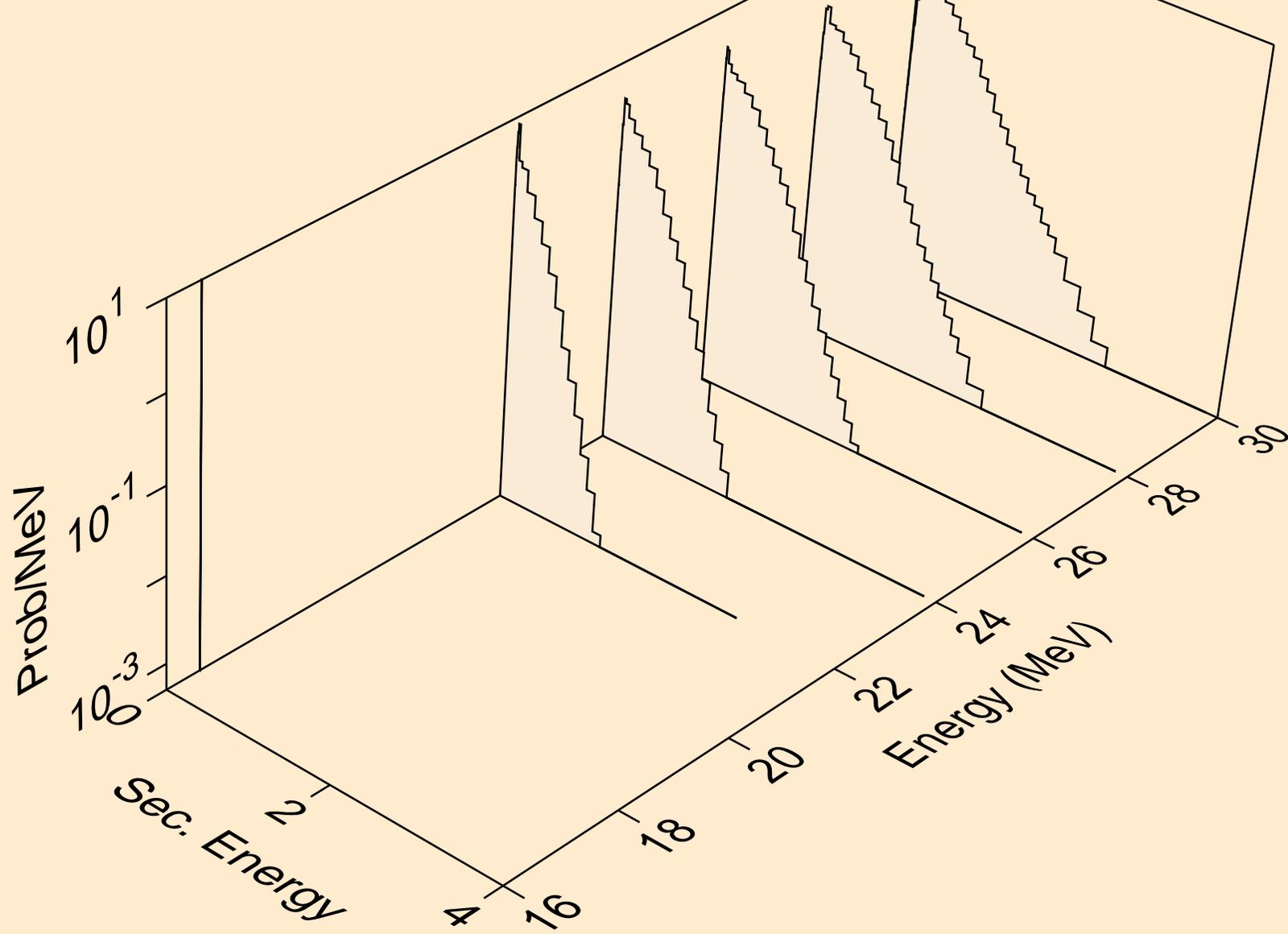
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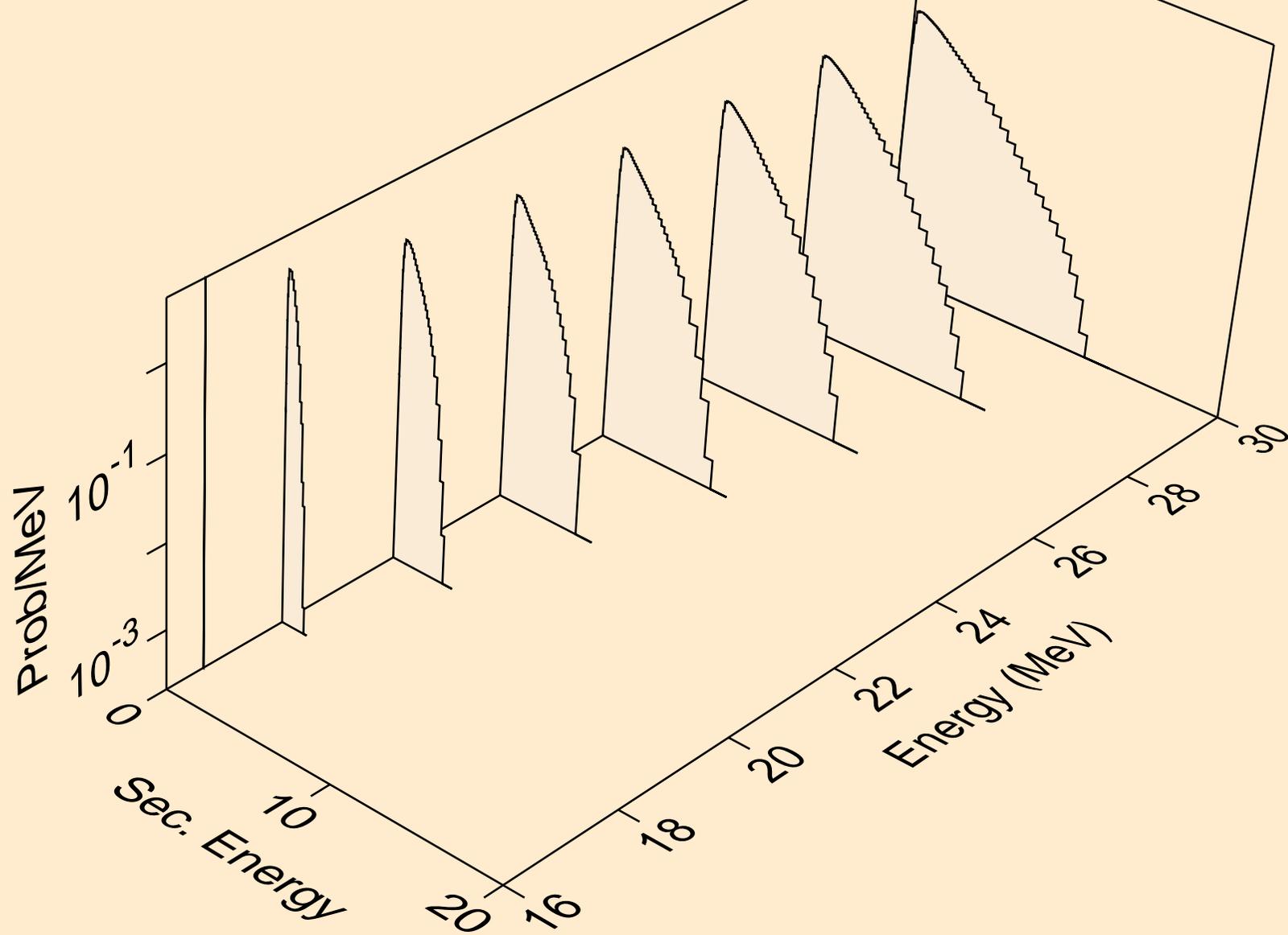
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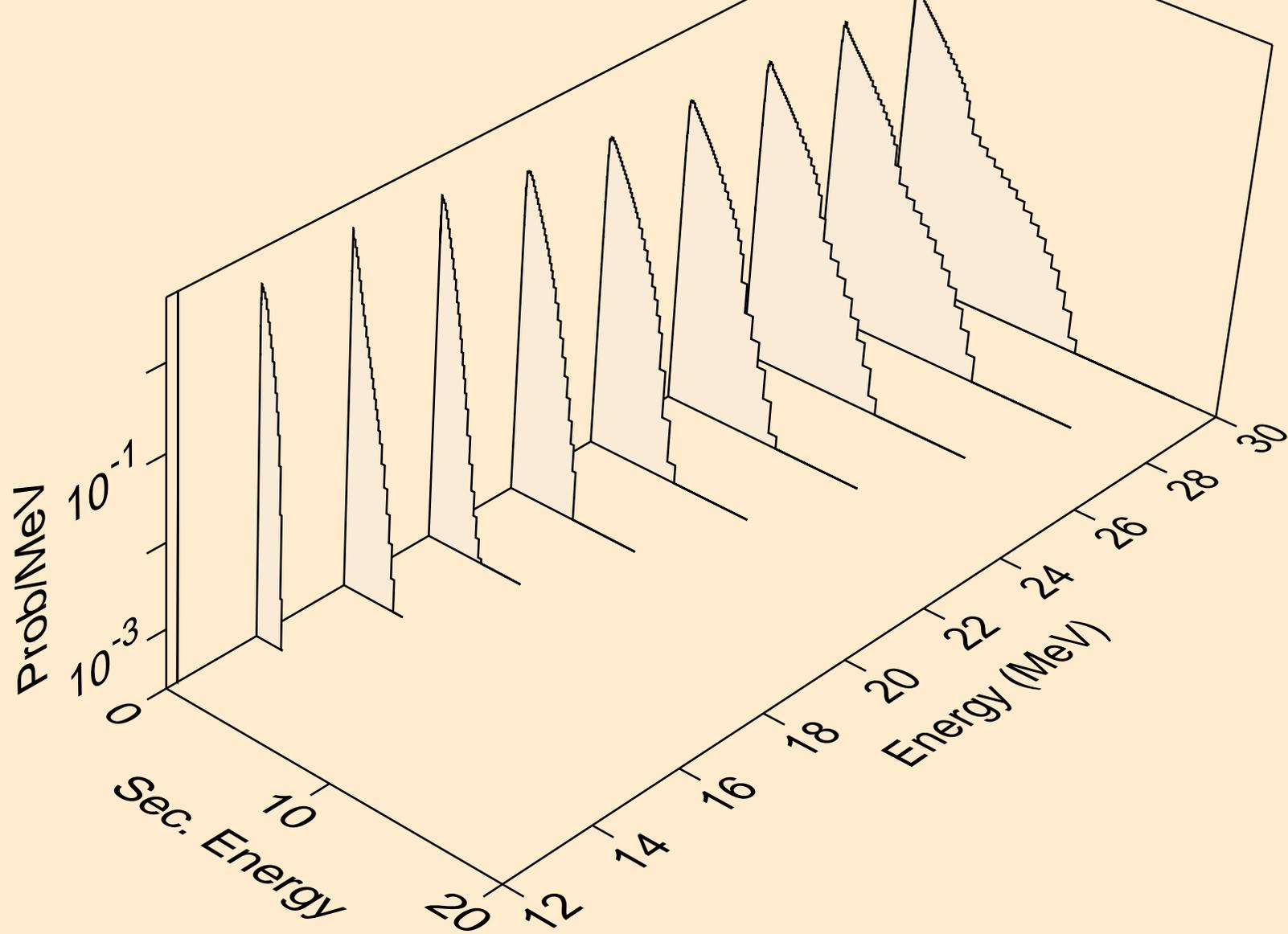
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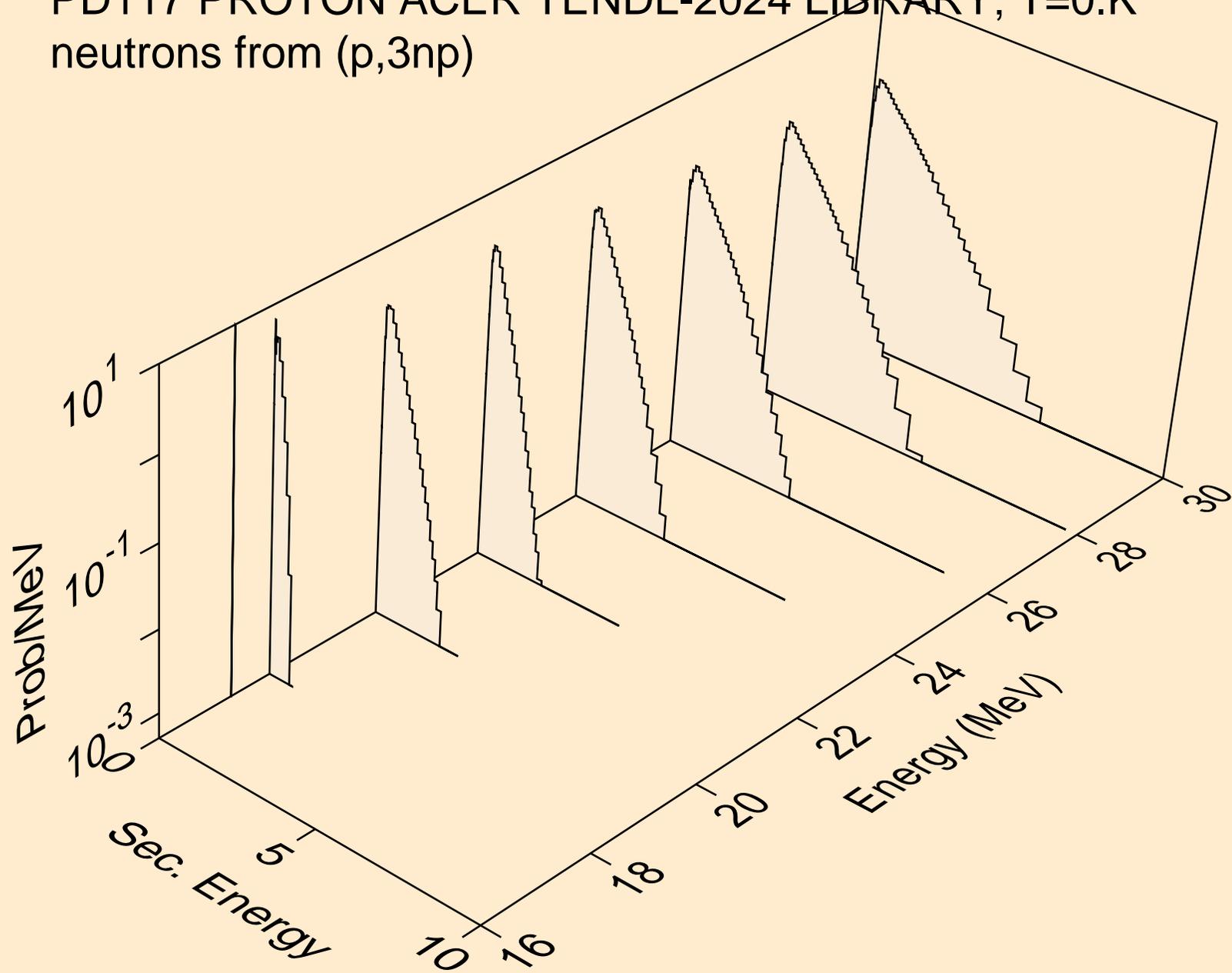
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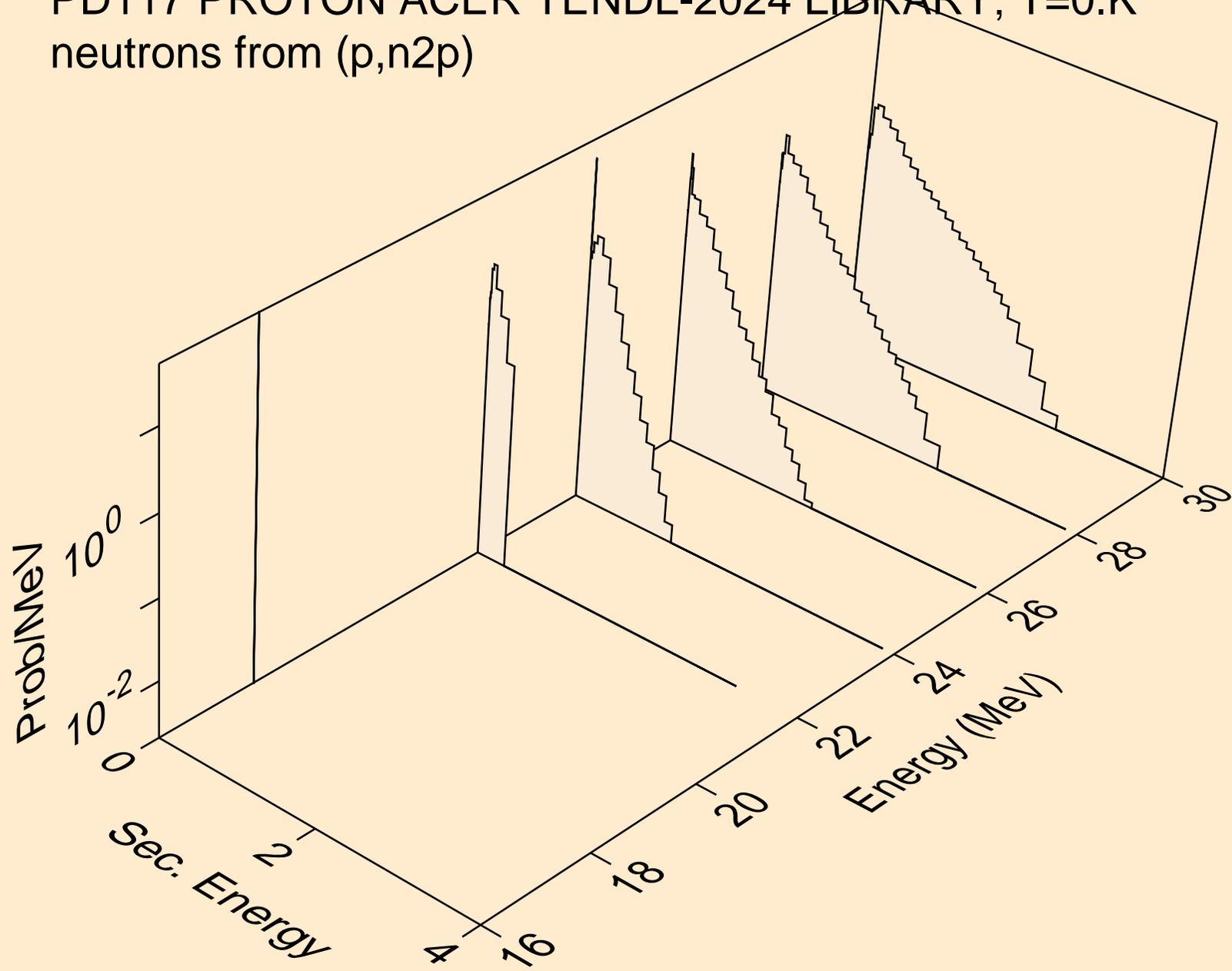
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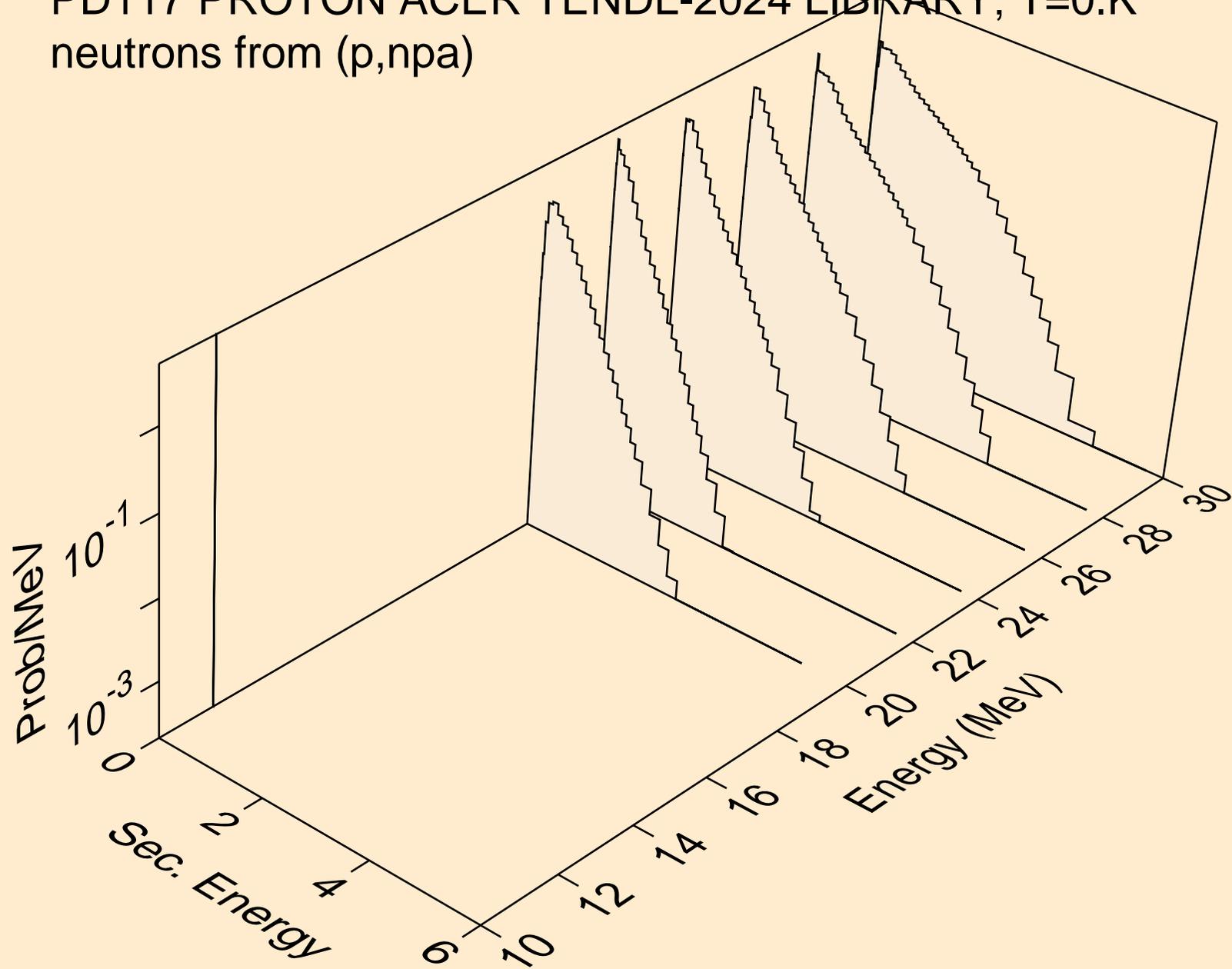
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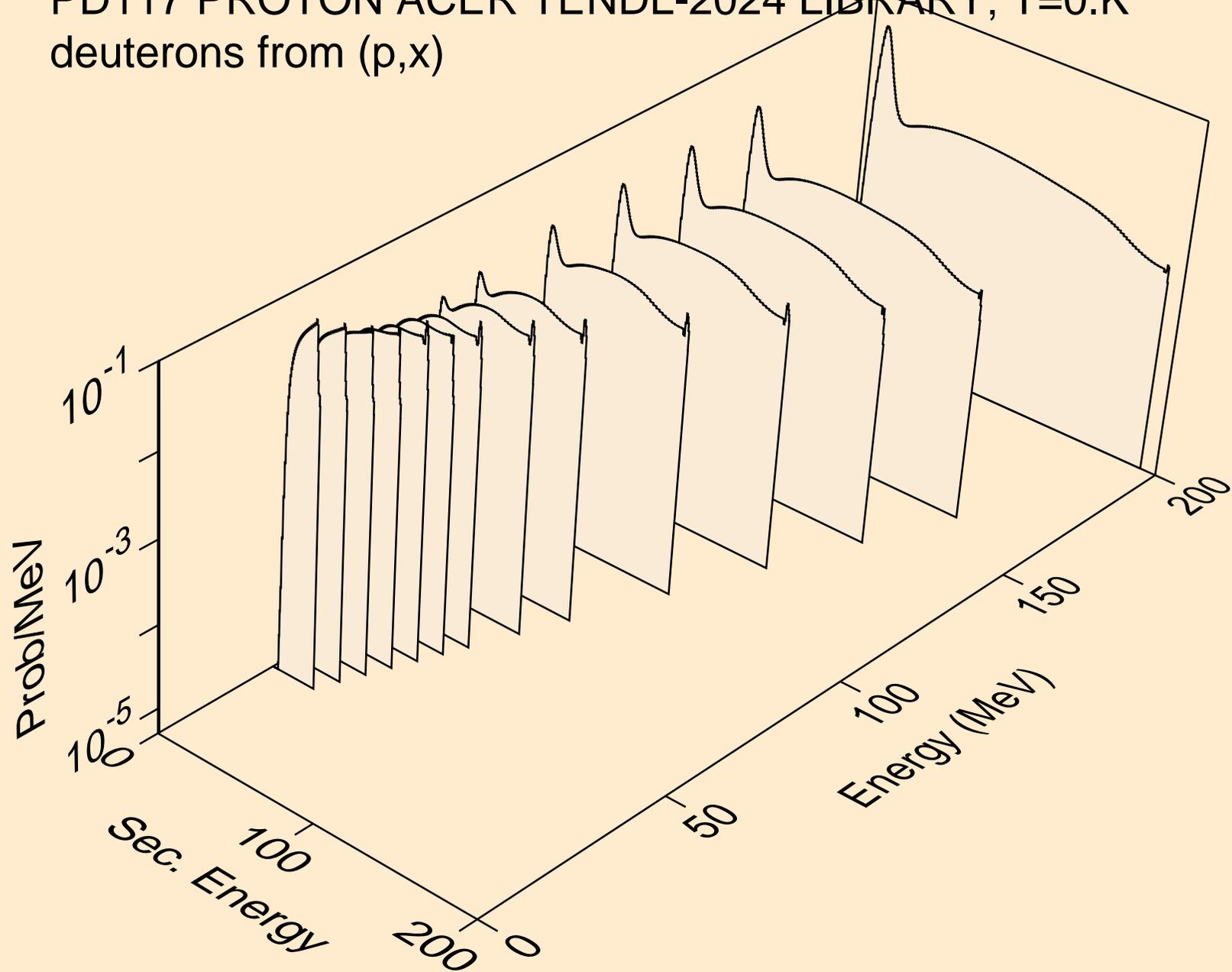
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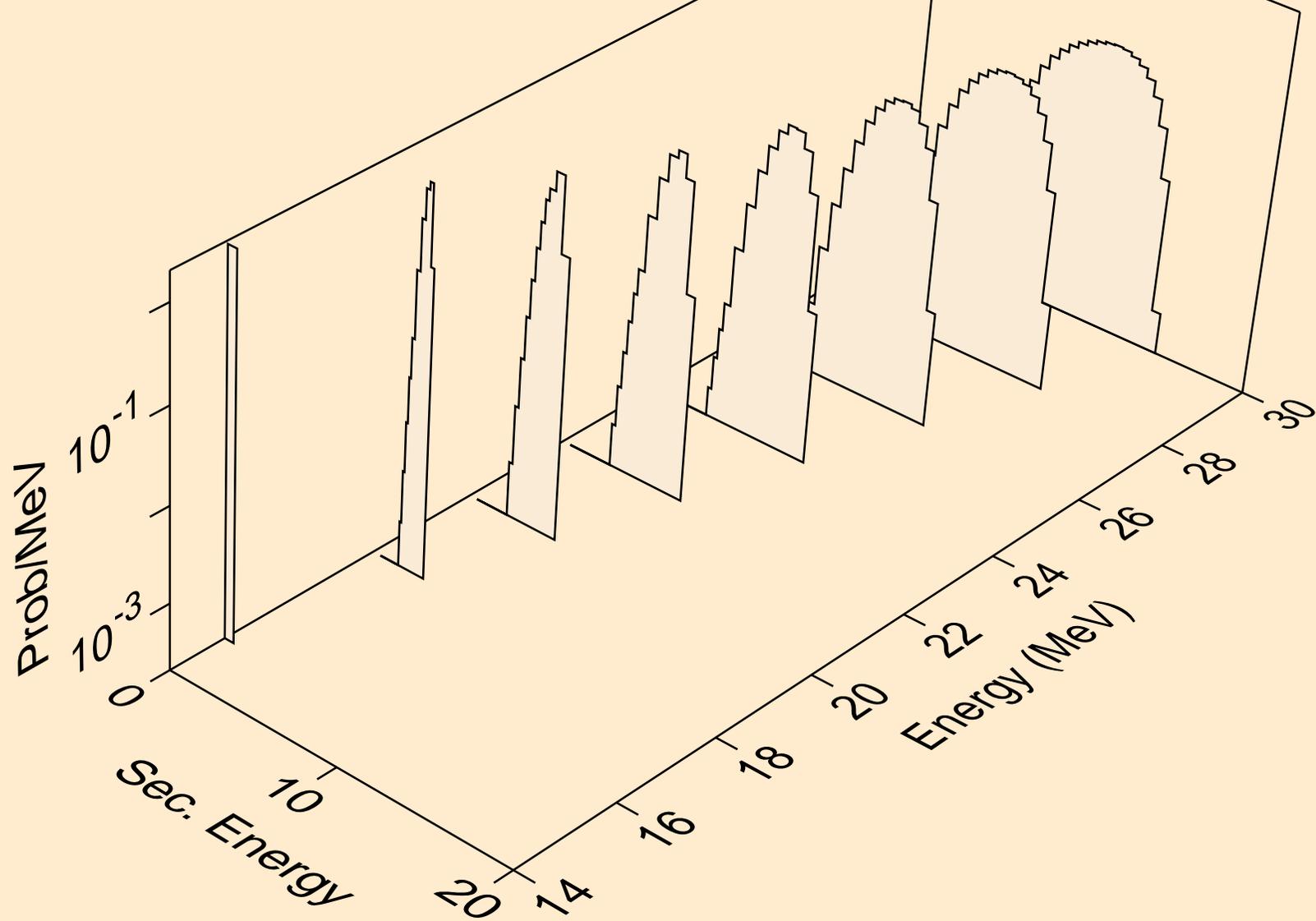
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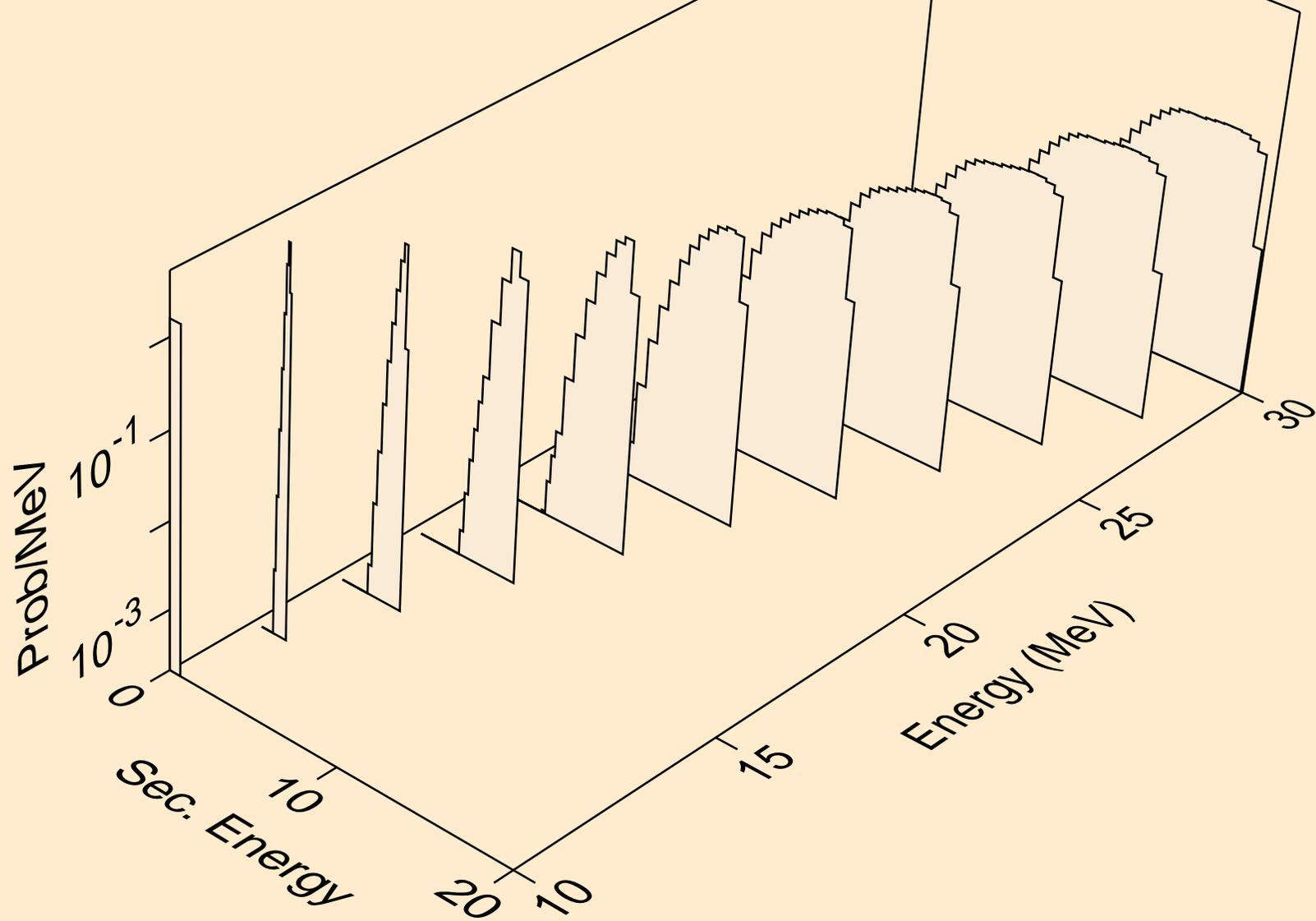
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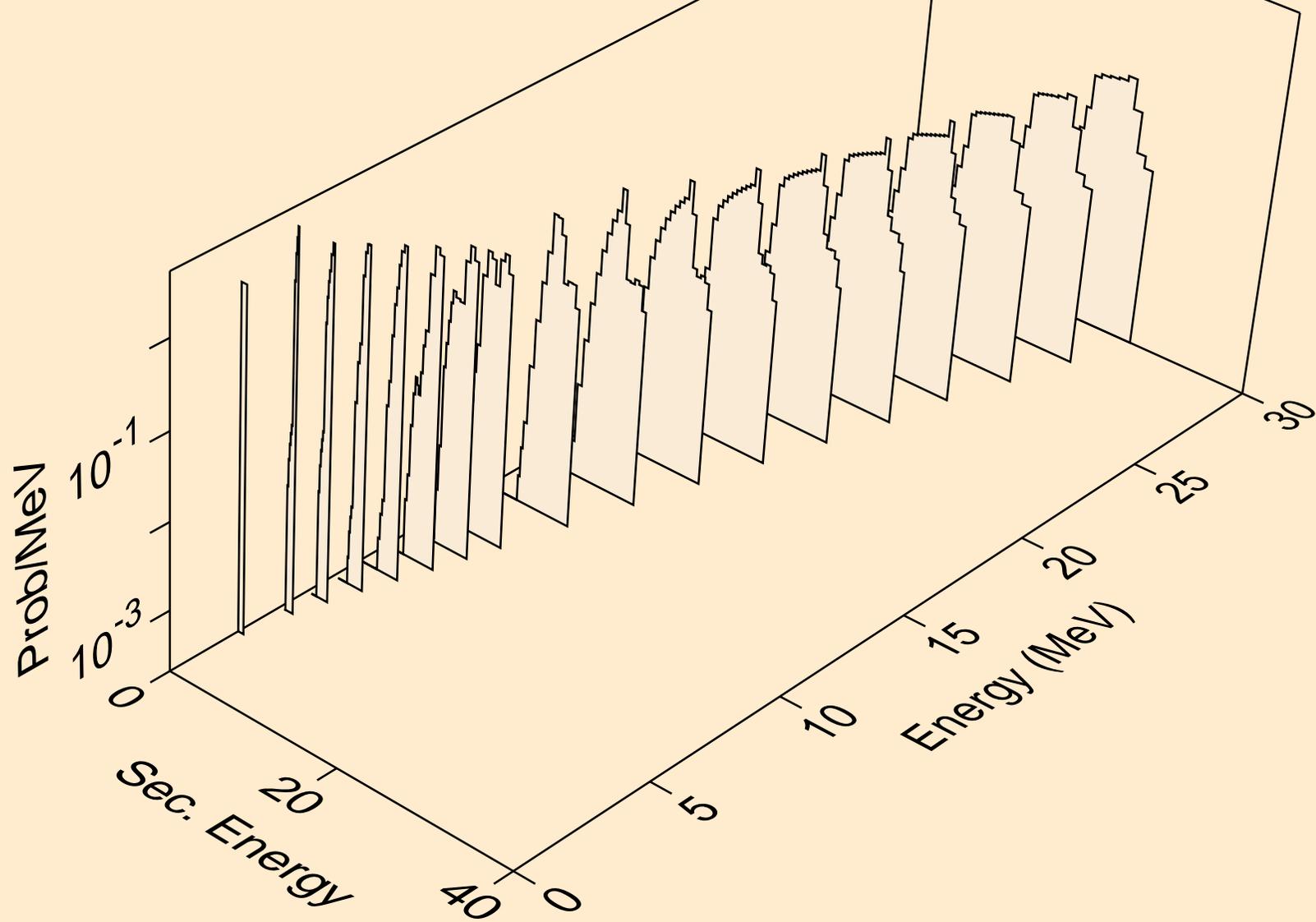
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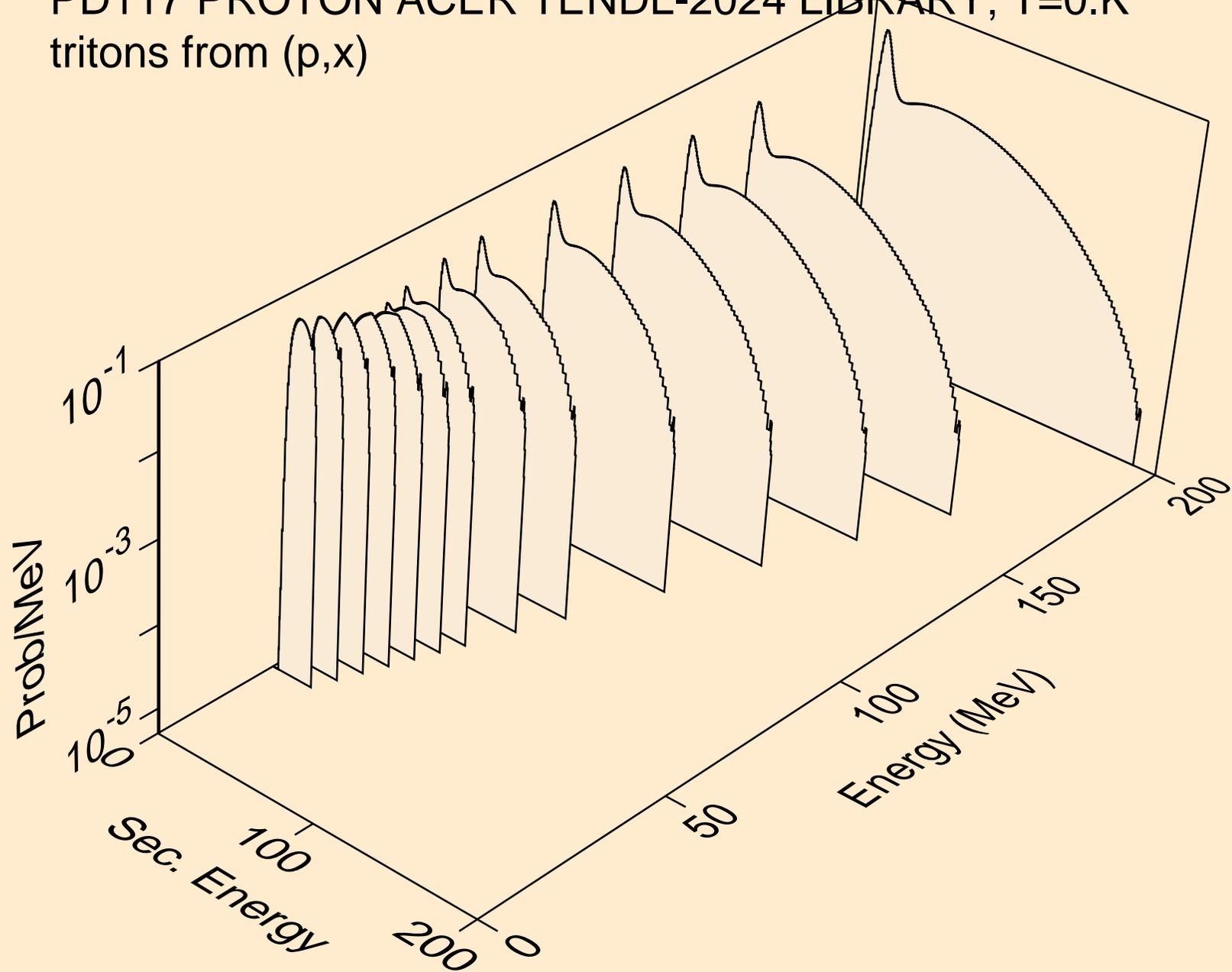
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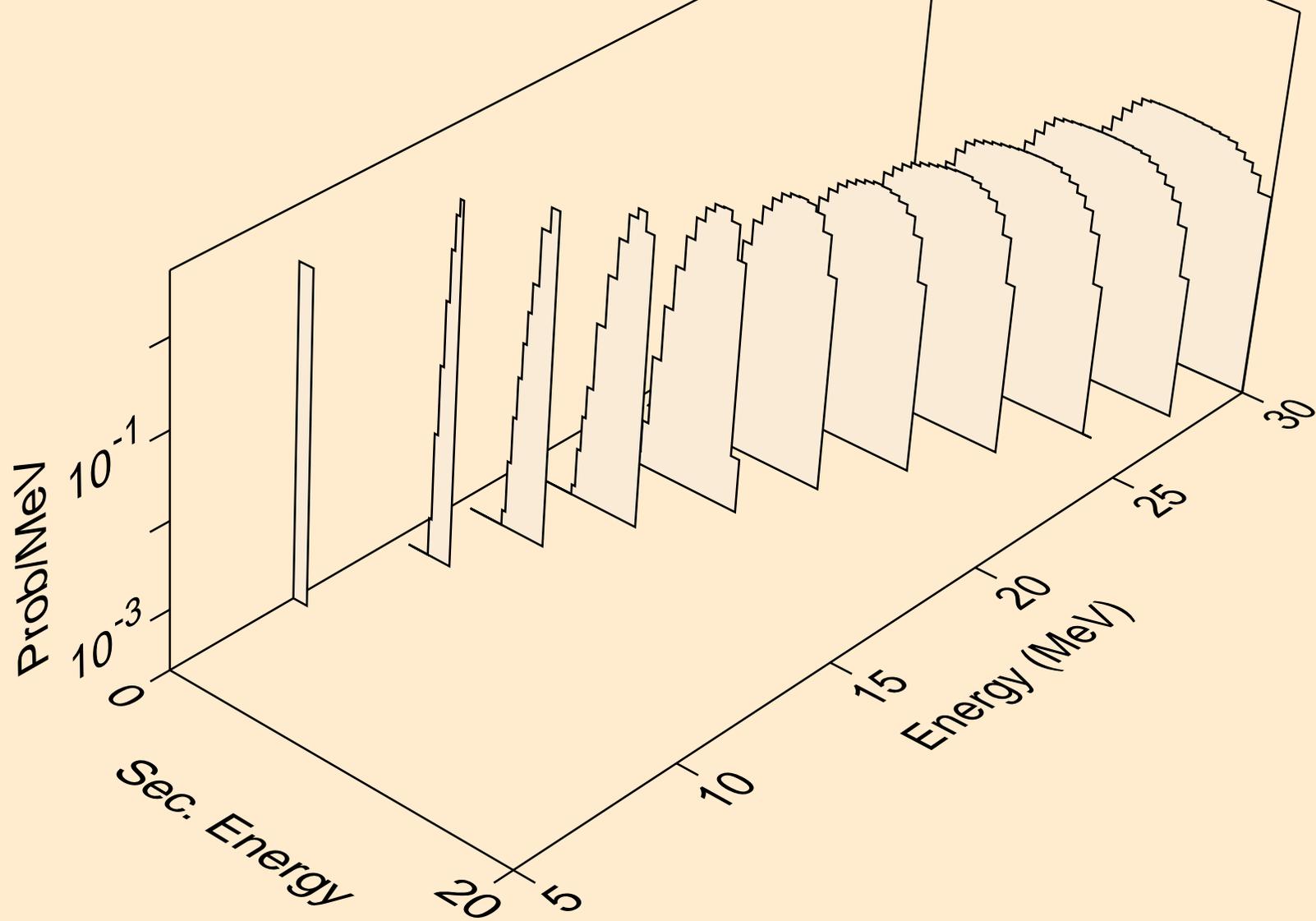
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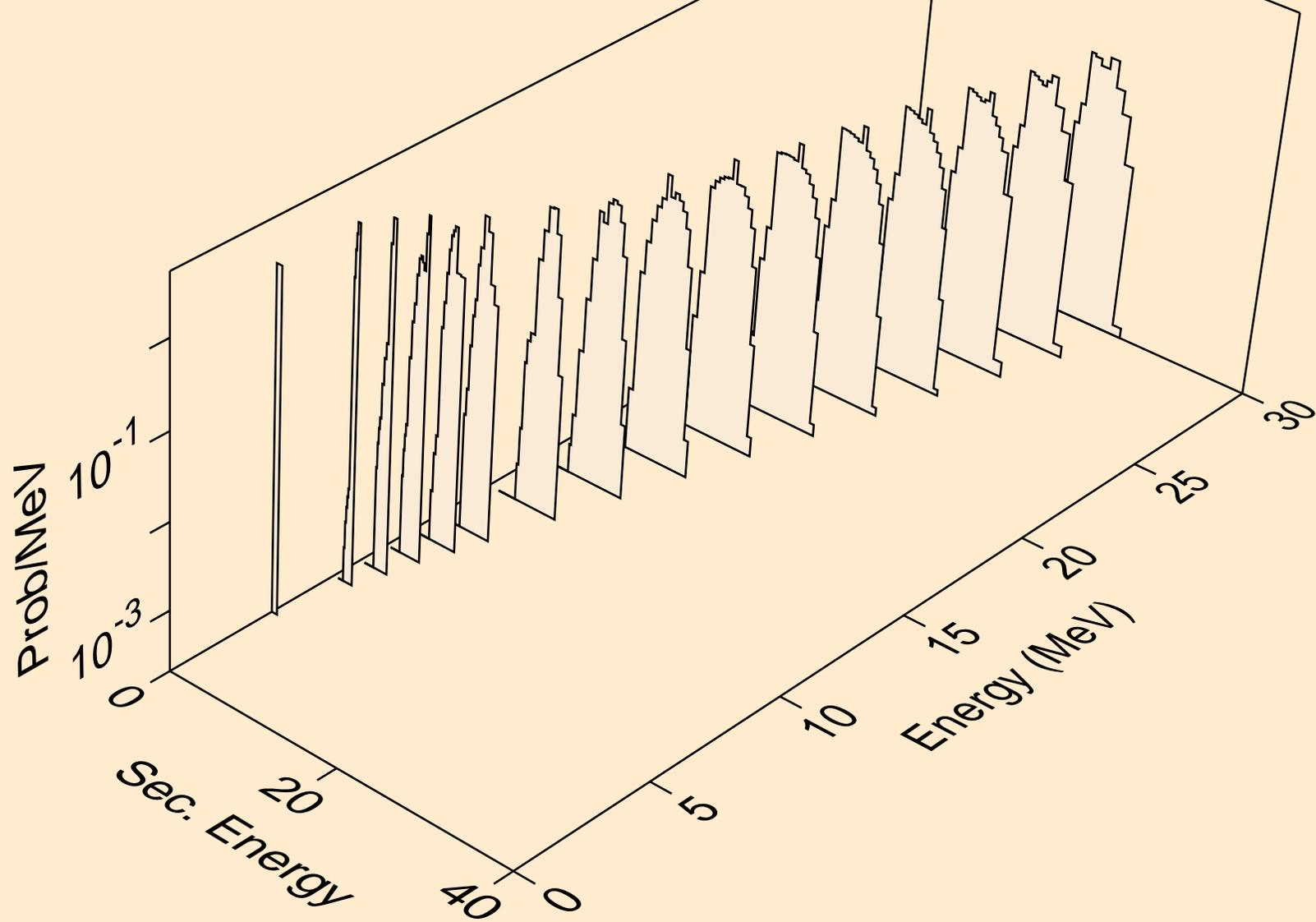
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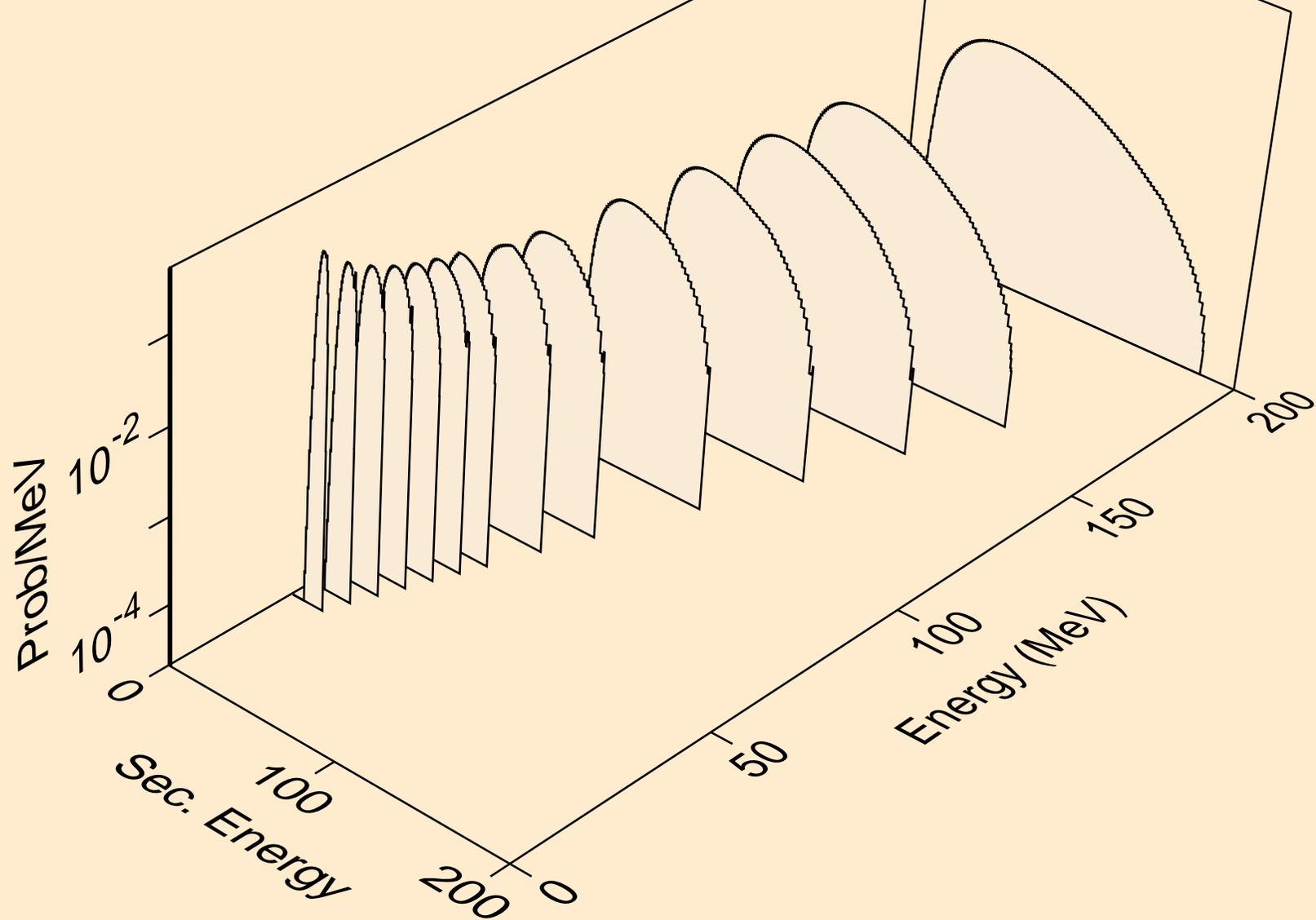
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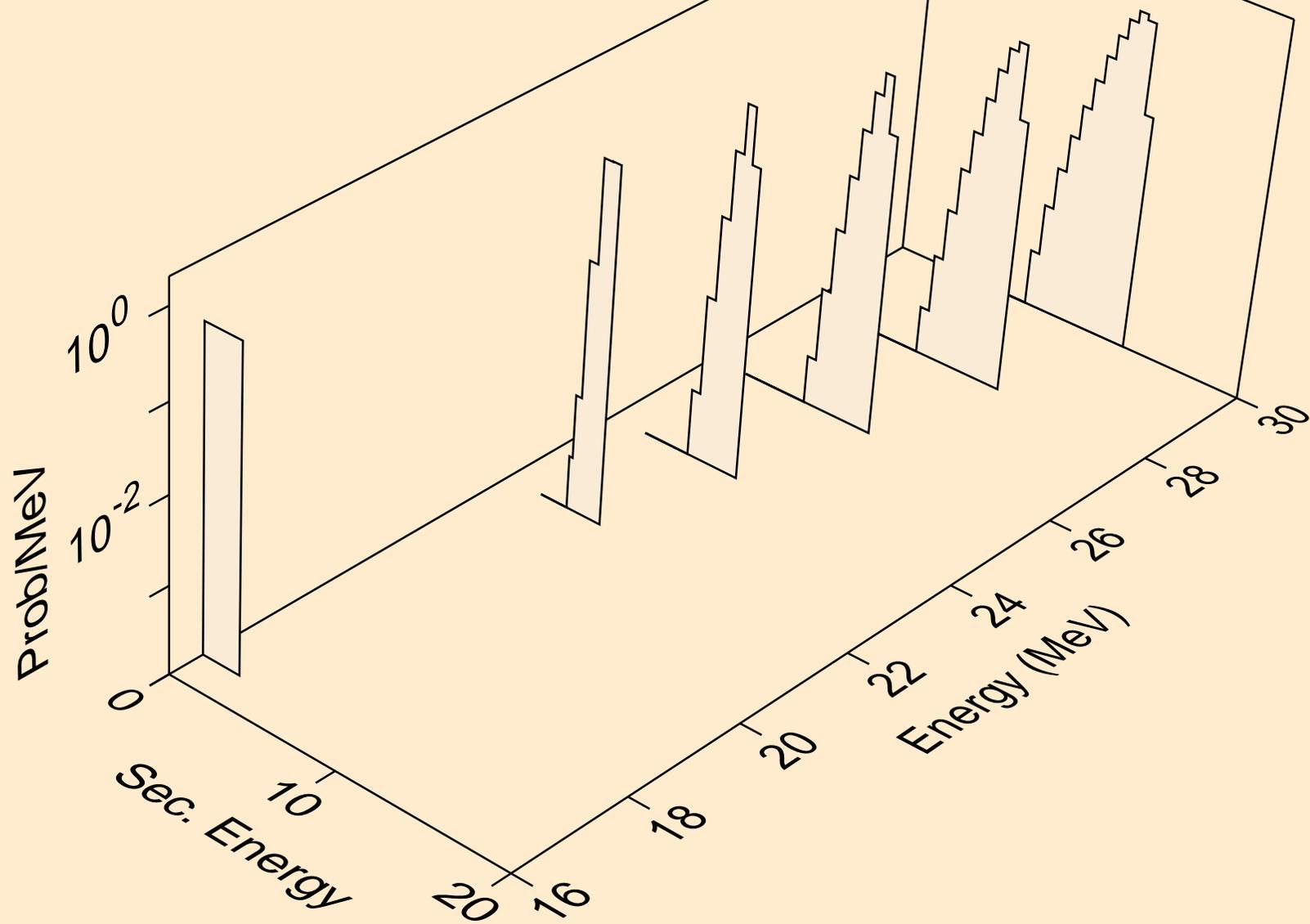
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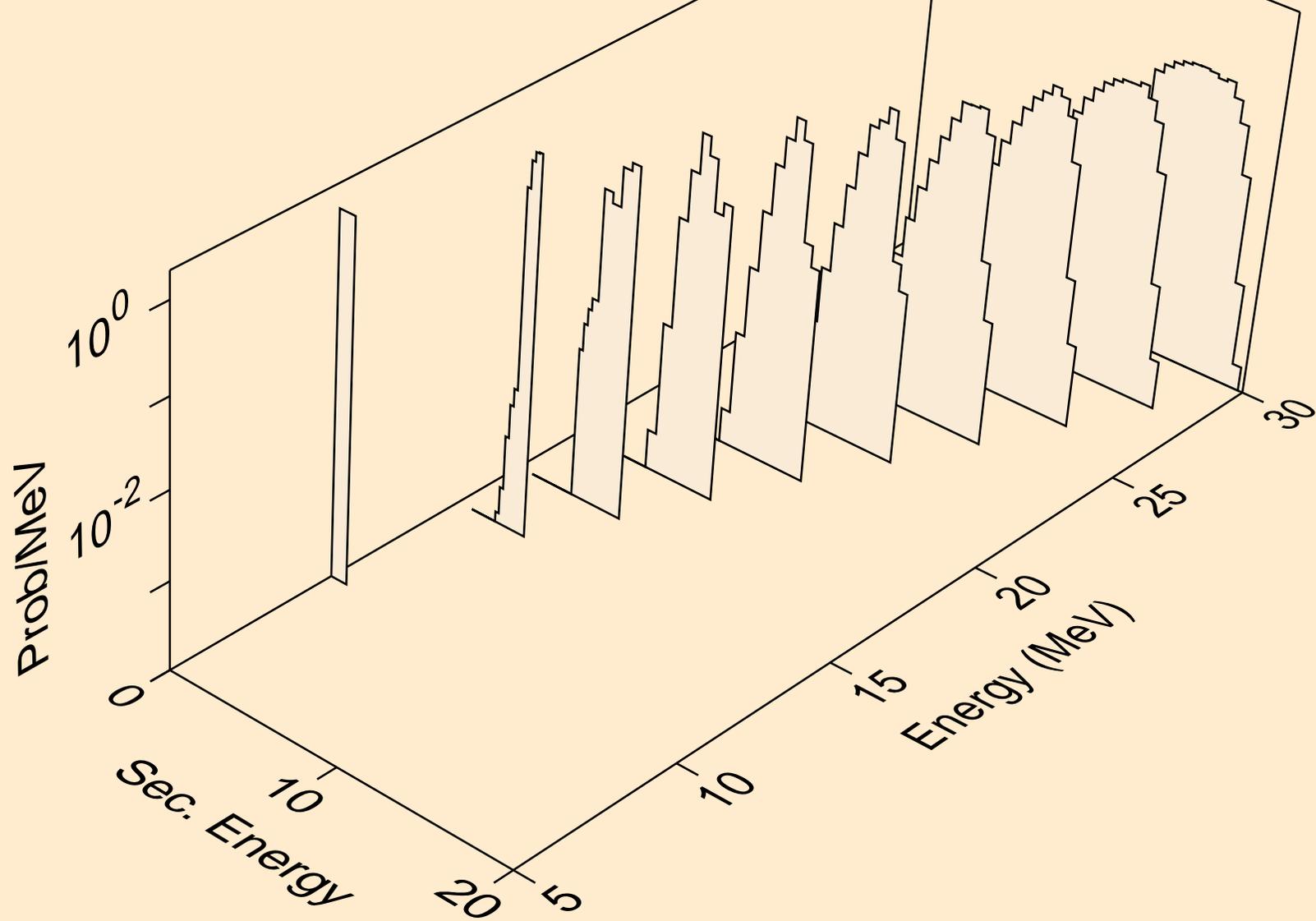
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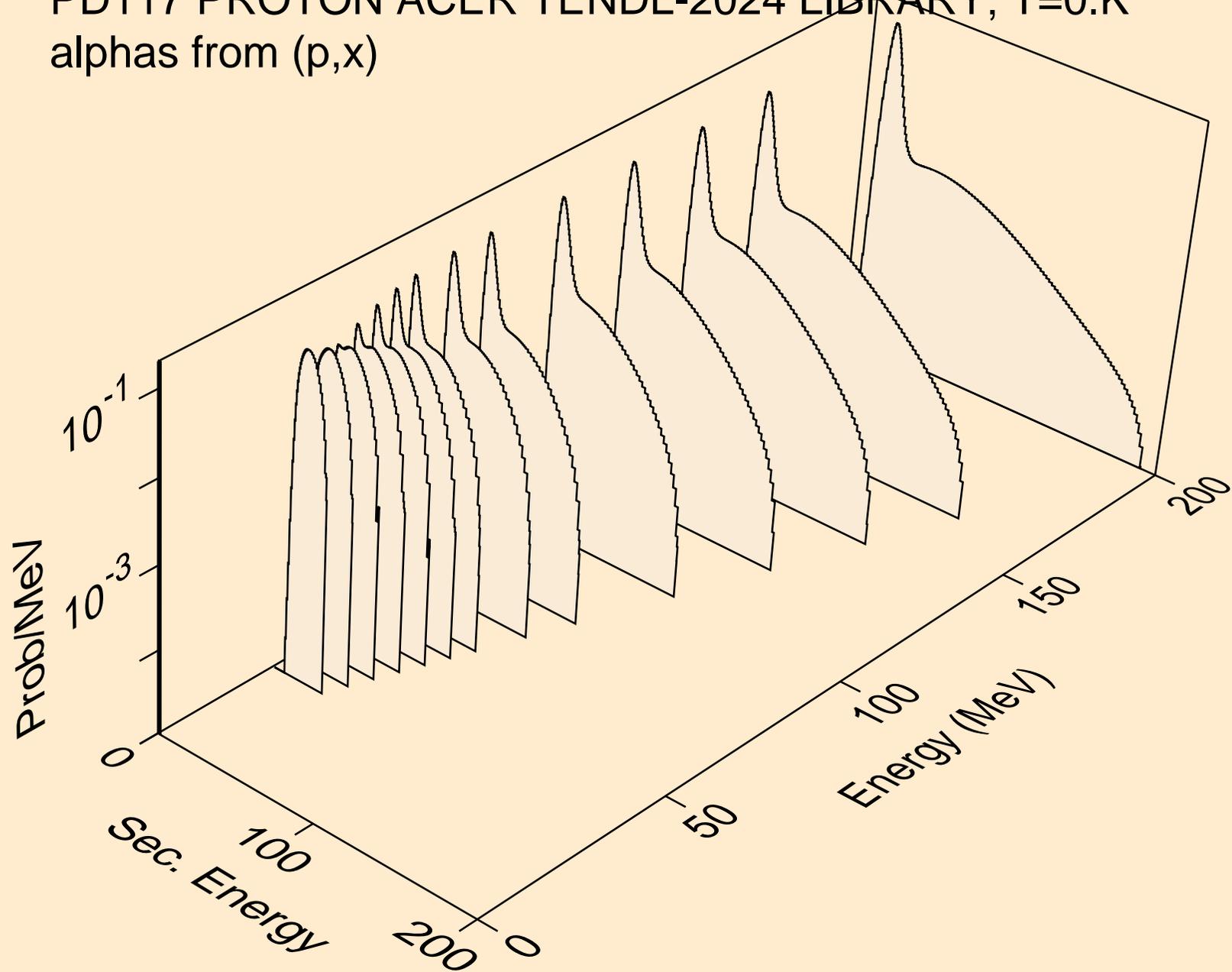
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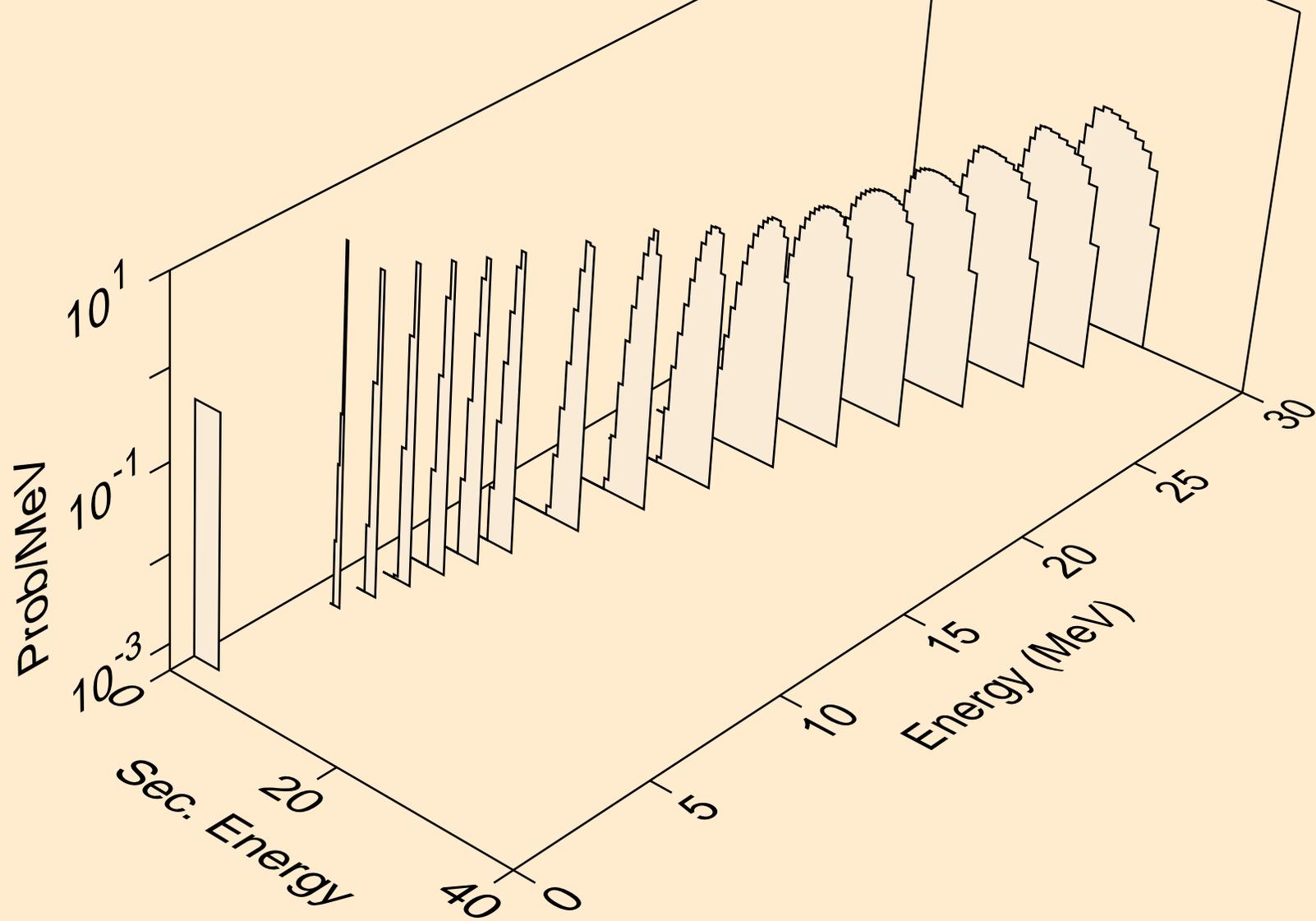
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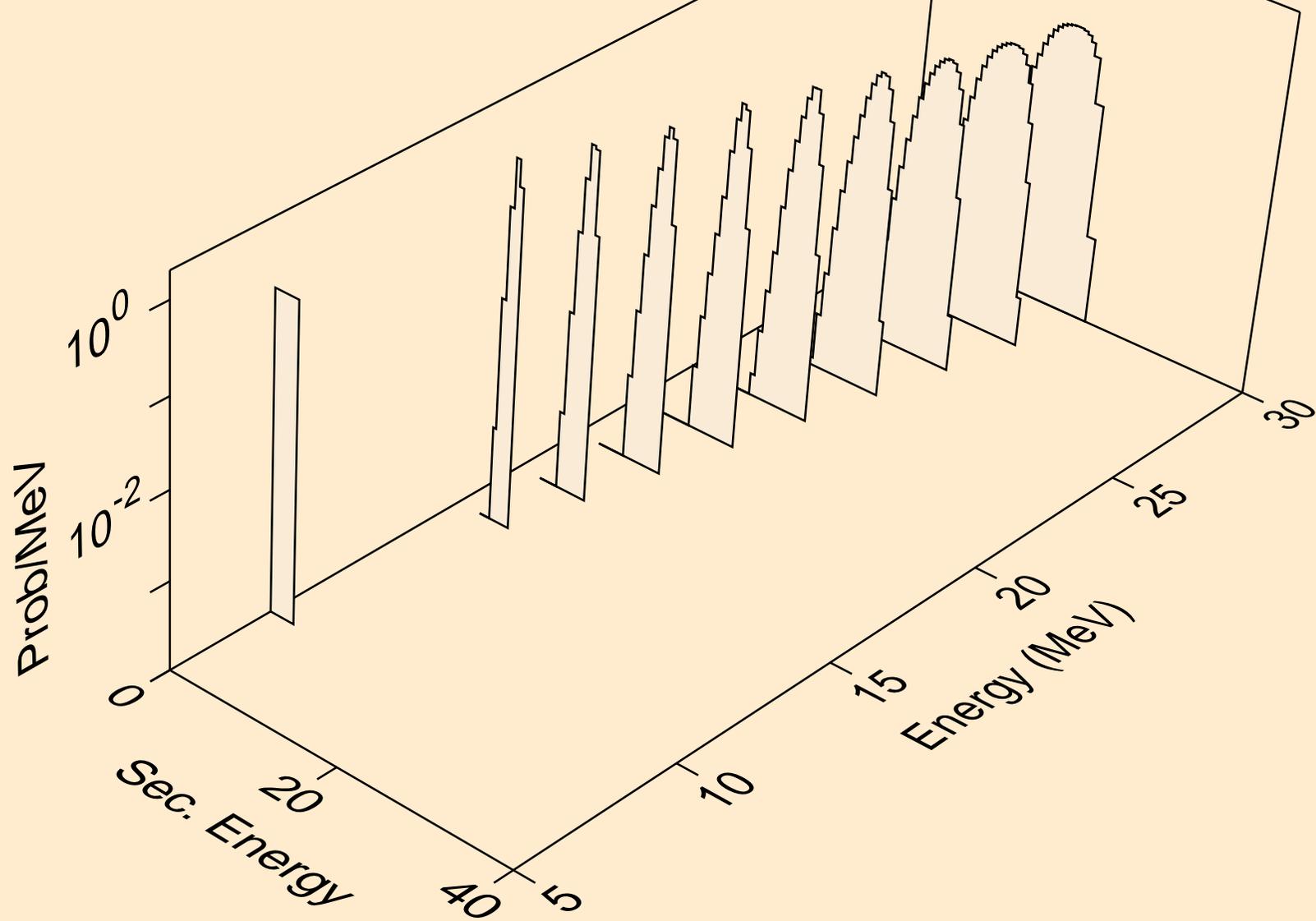
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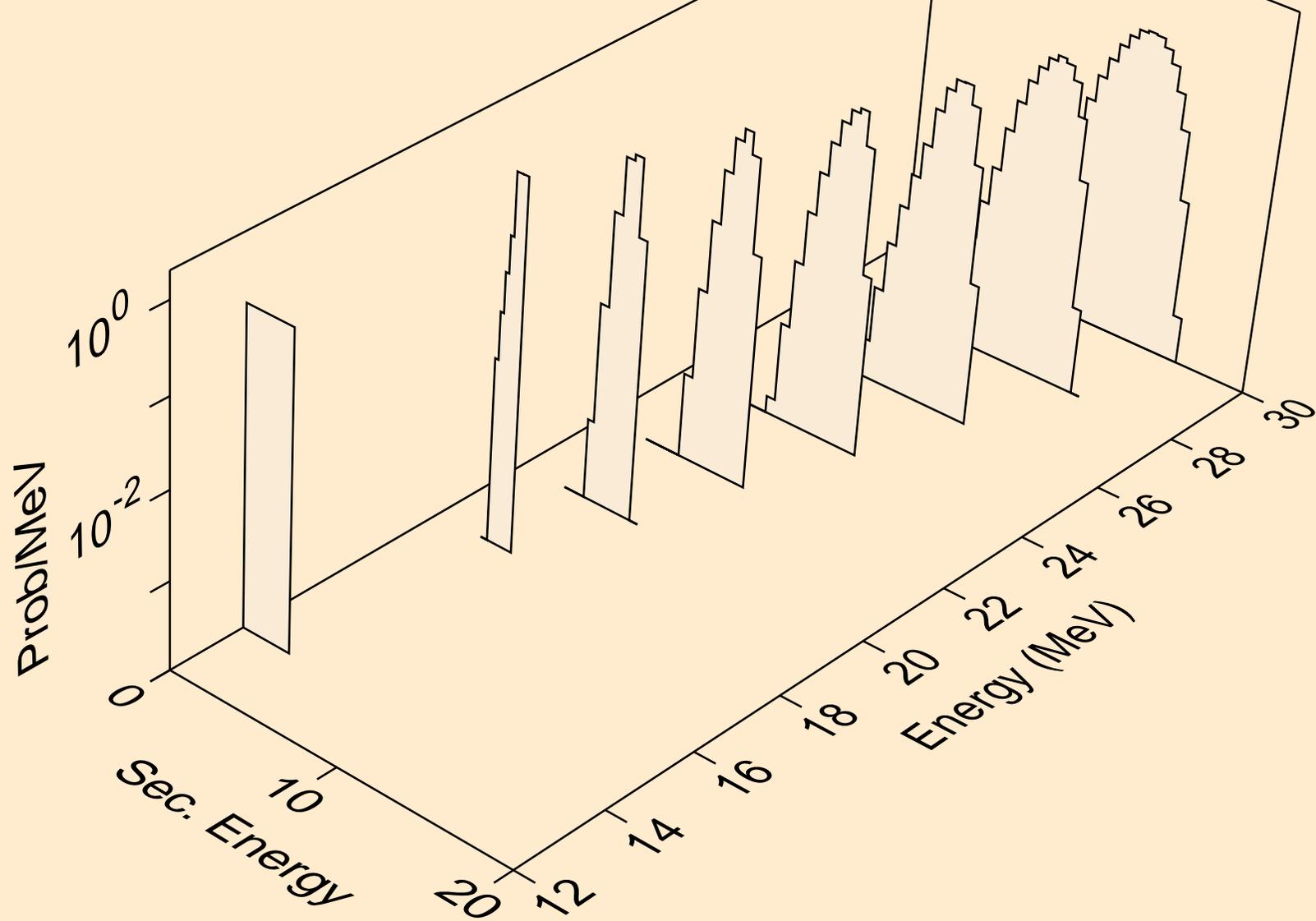
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alphas from (p,n\*)a



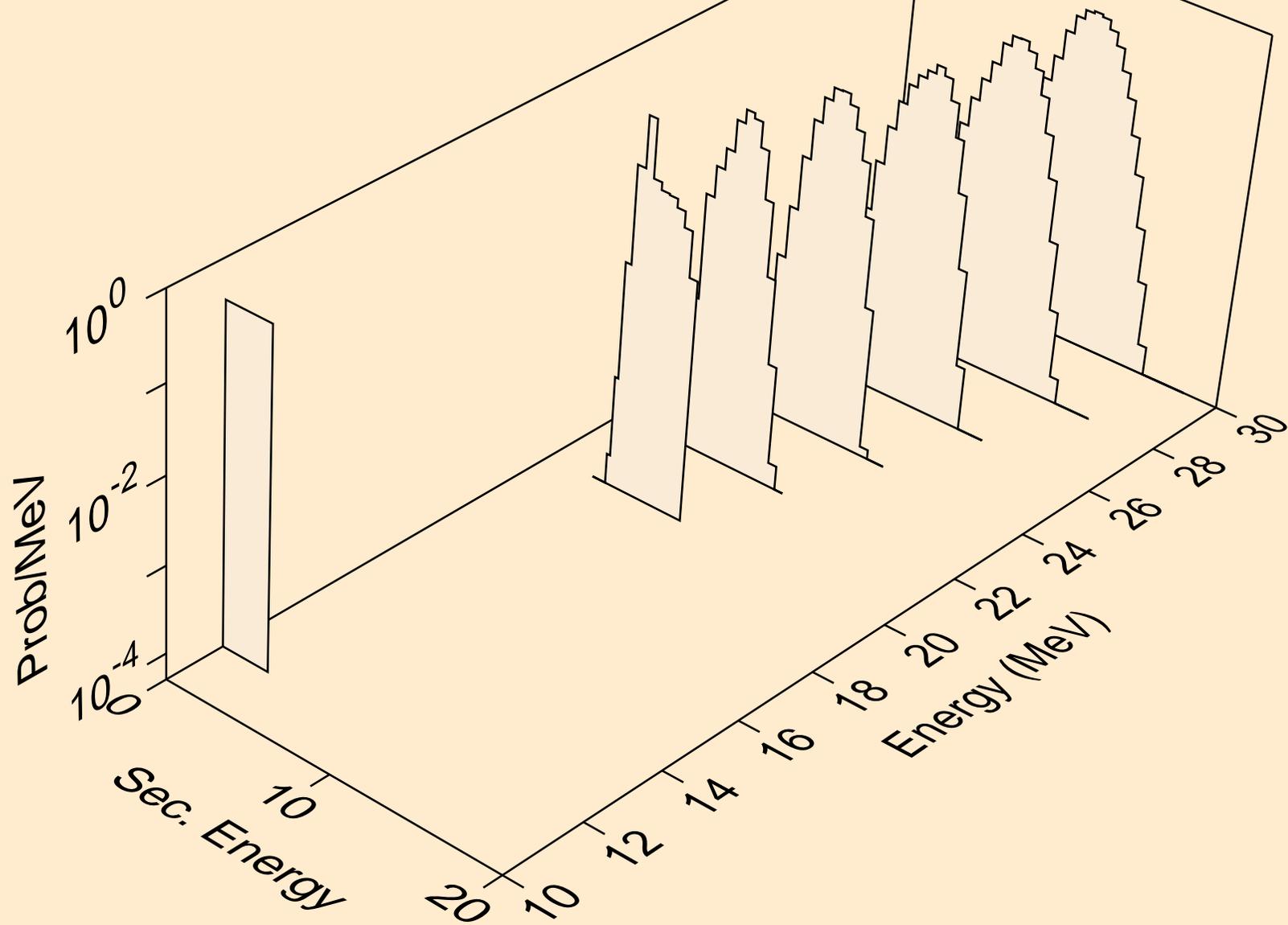
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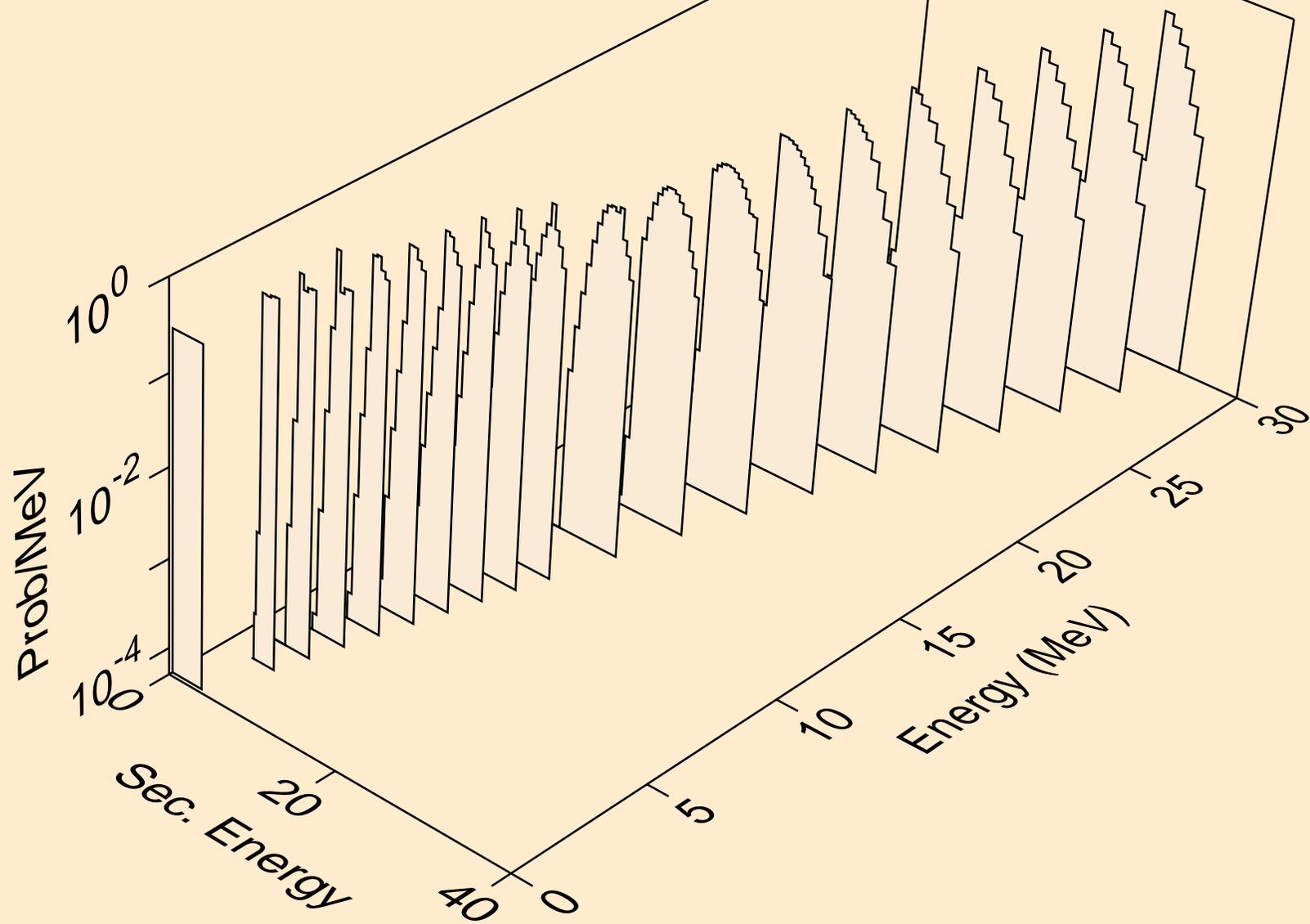
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alphas from (p,3n)a



PD117 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,npa)



PD117 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,a)



PD117 PROTON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (p,pa)

