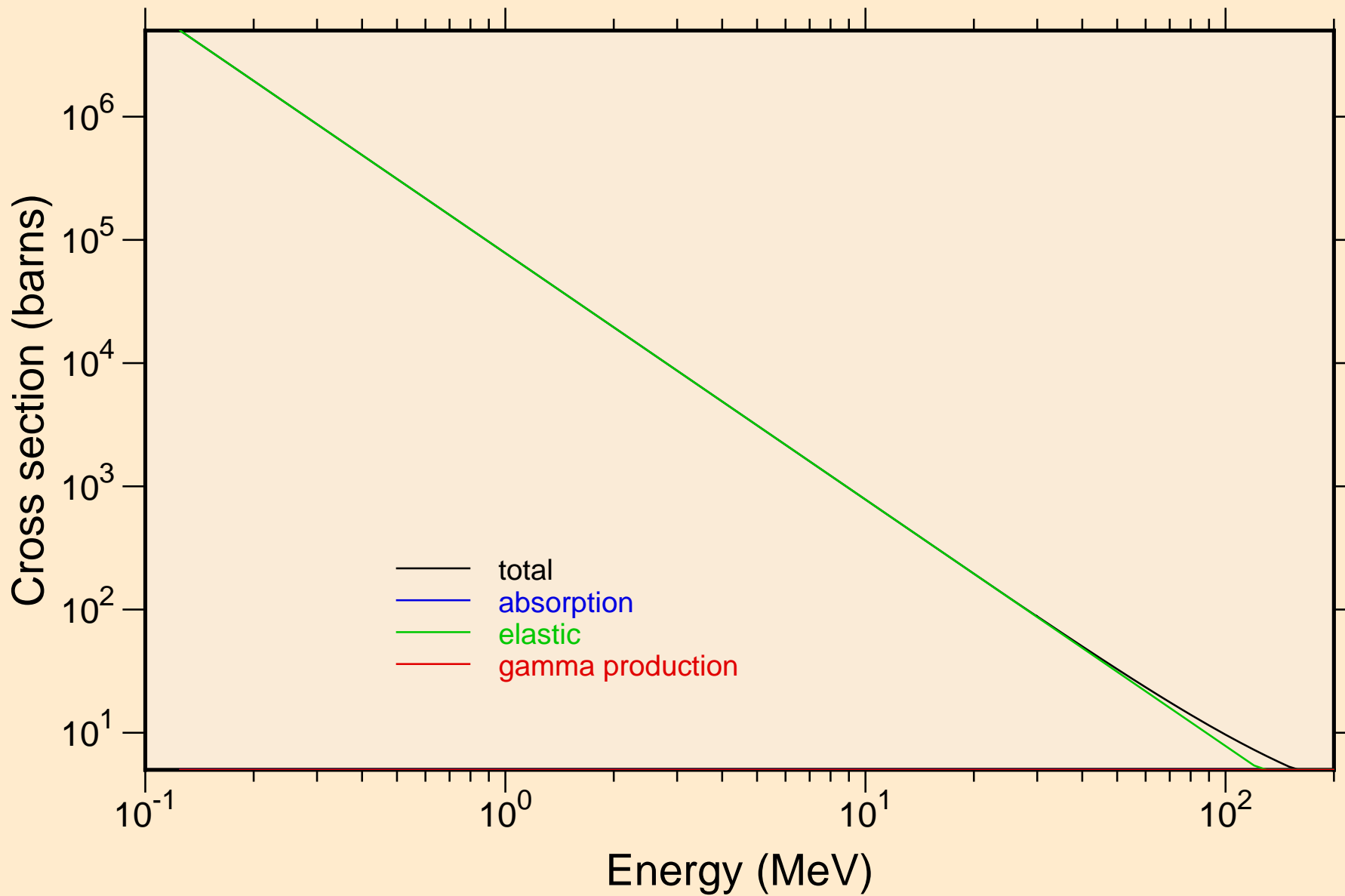
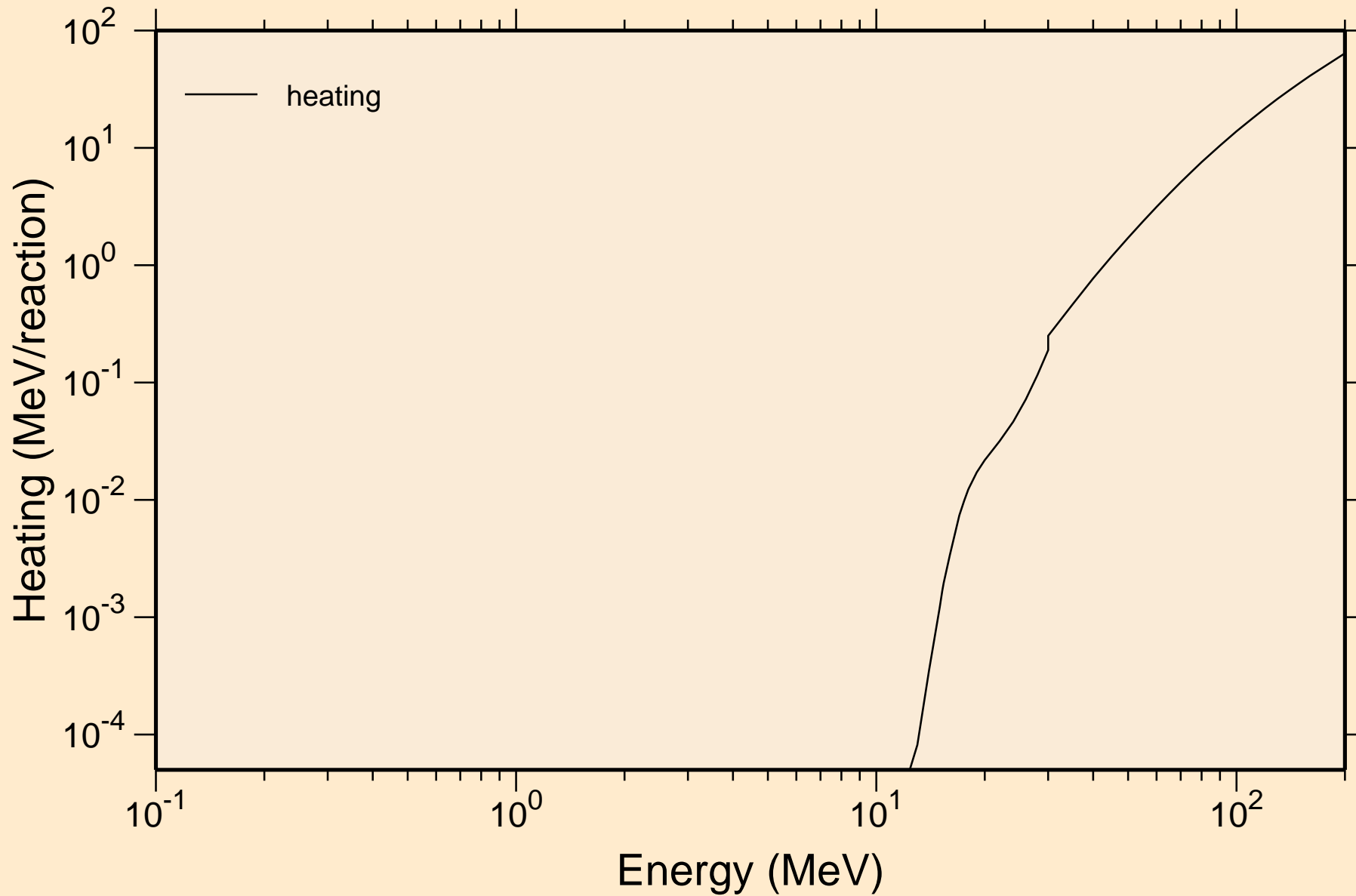


CS117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



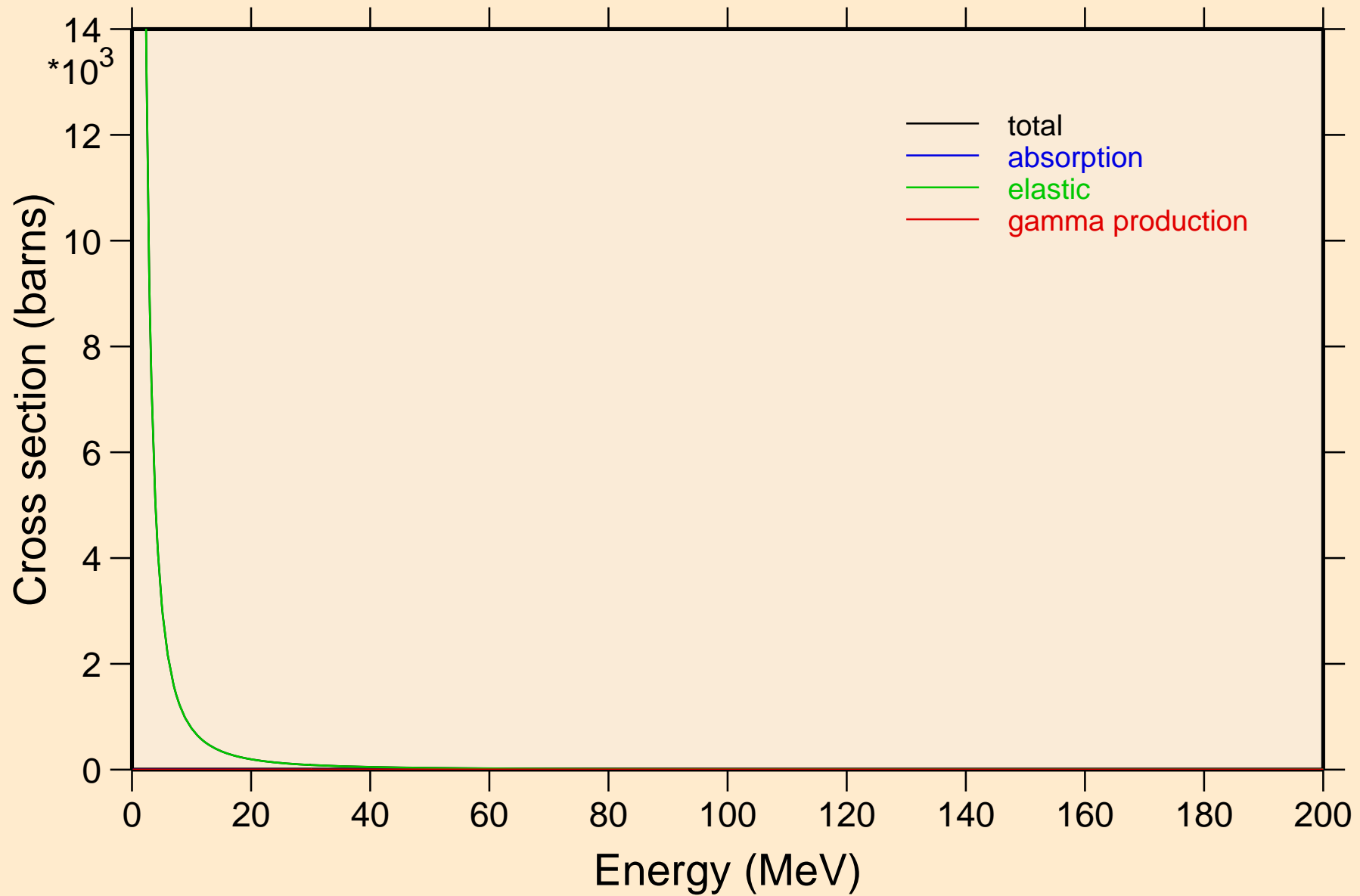
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## Heating



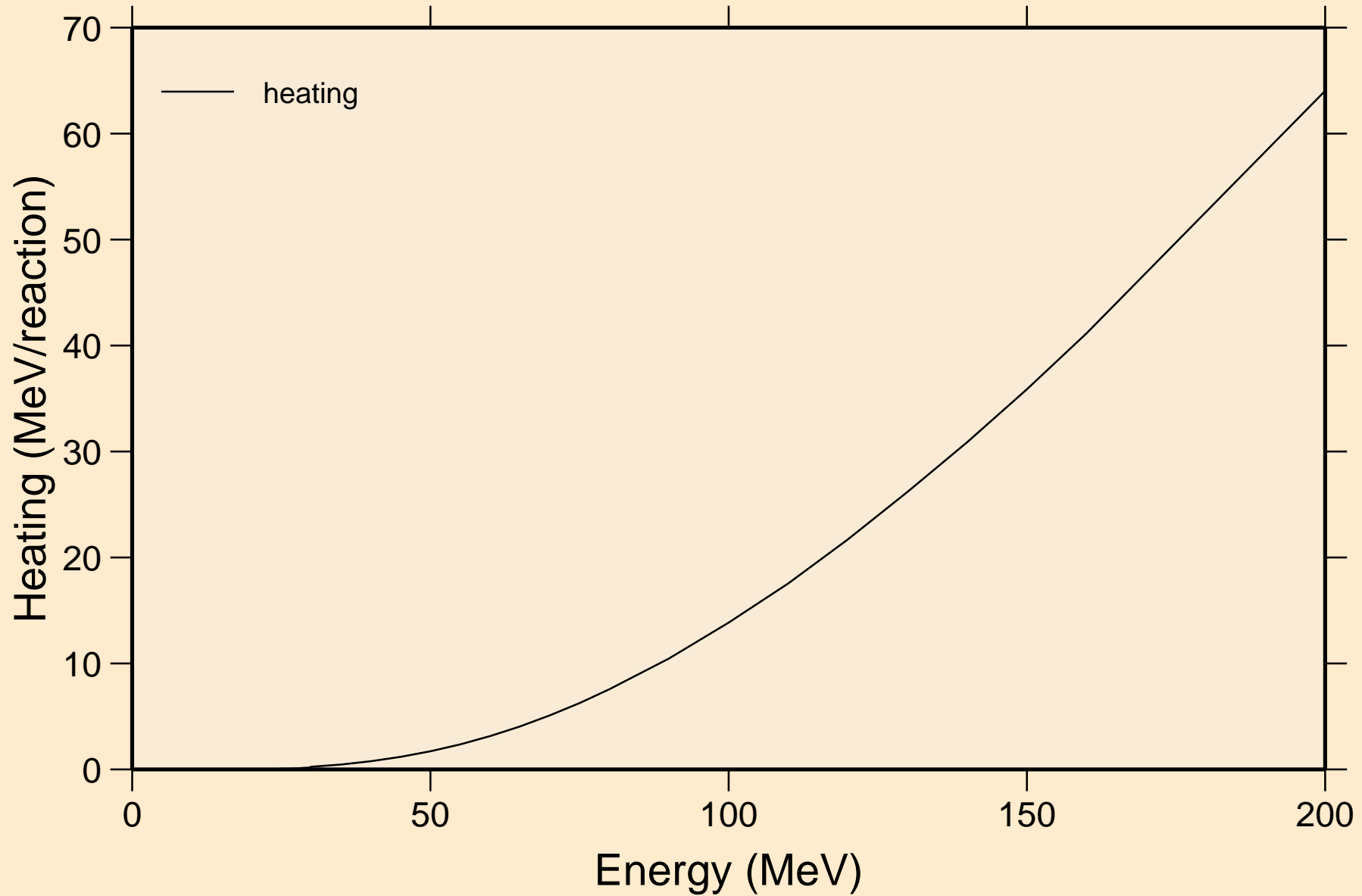
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## Principal cross sections

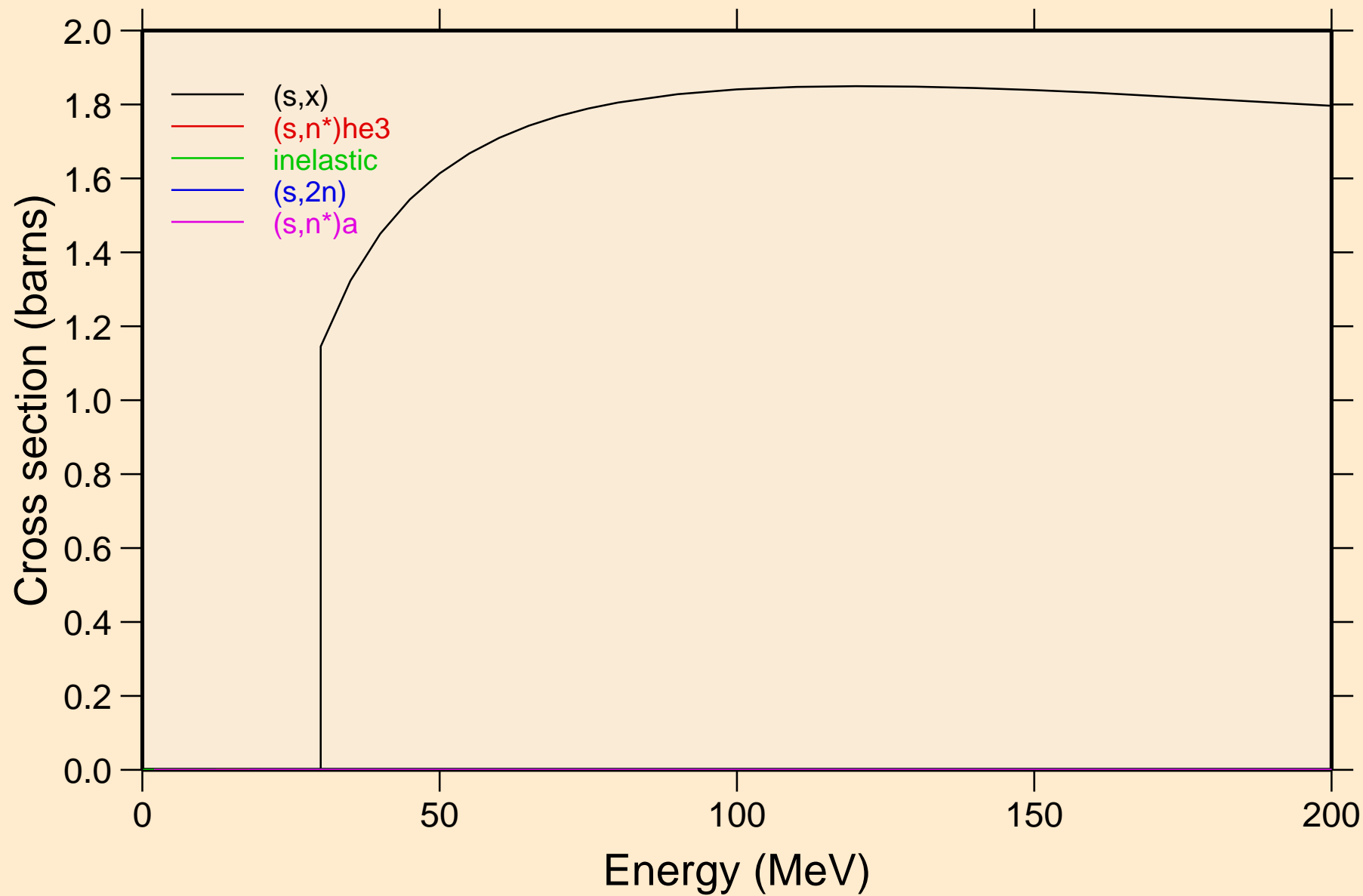


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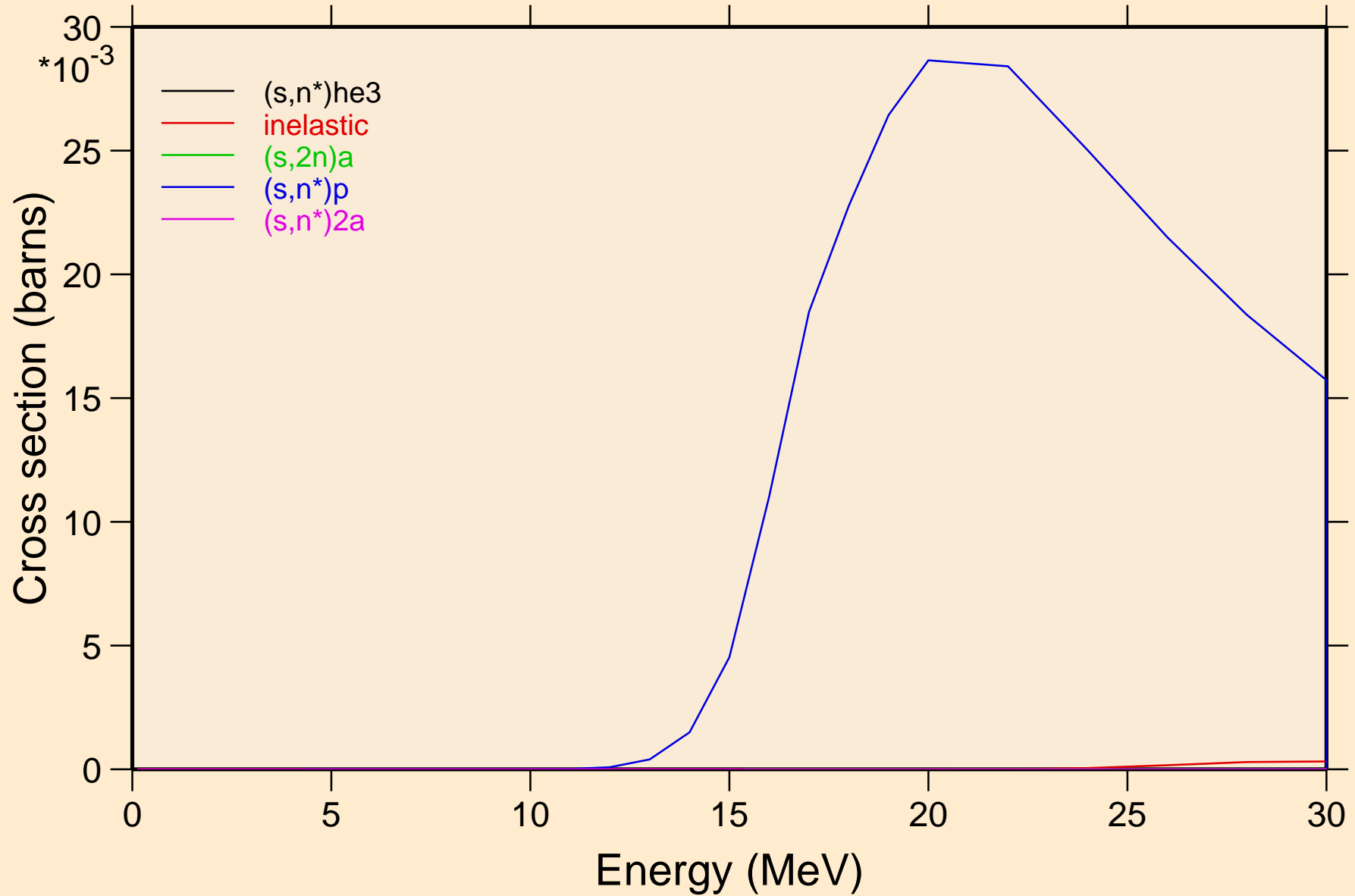
## Heating



CS117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

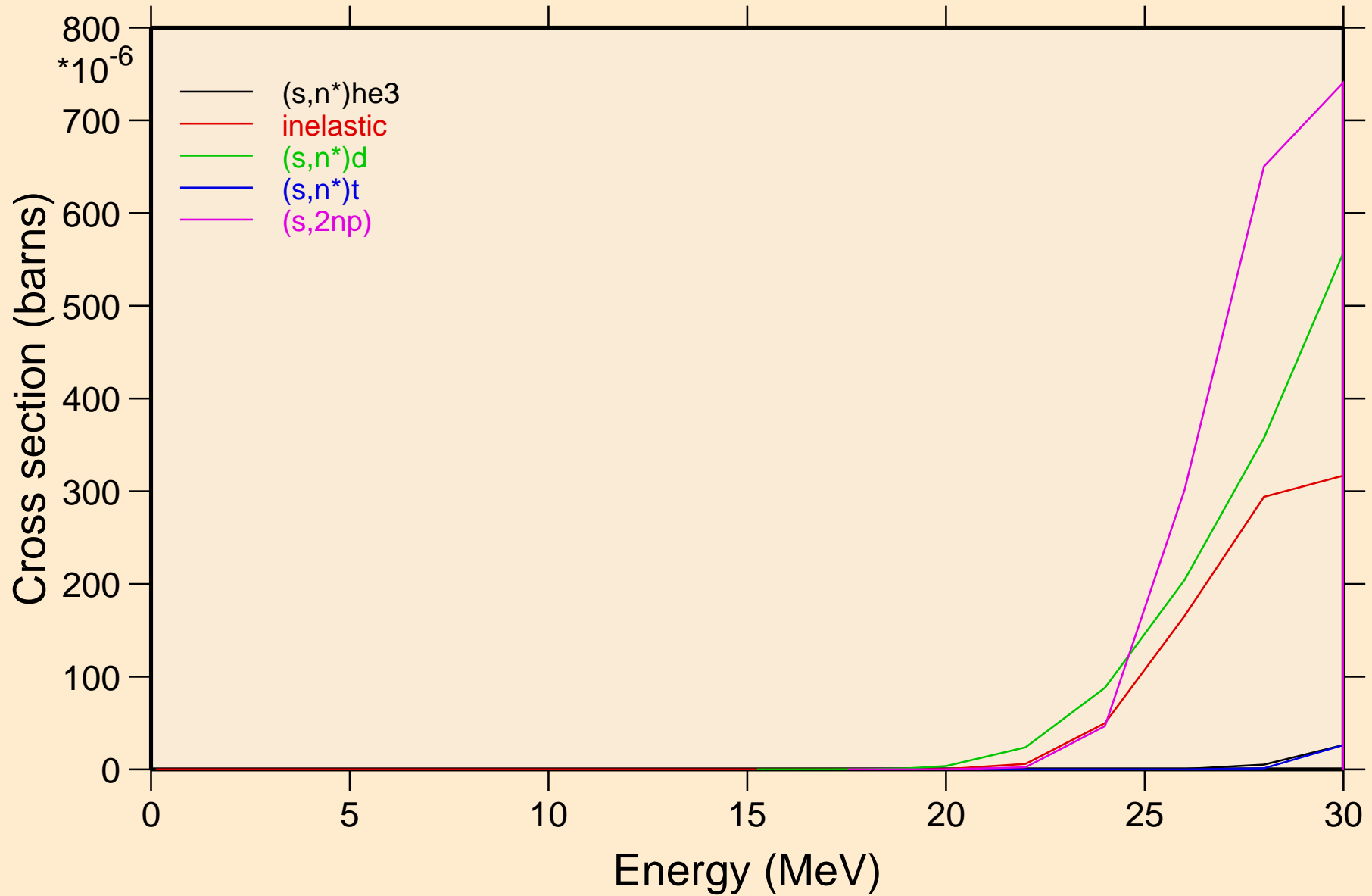


CS117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



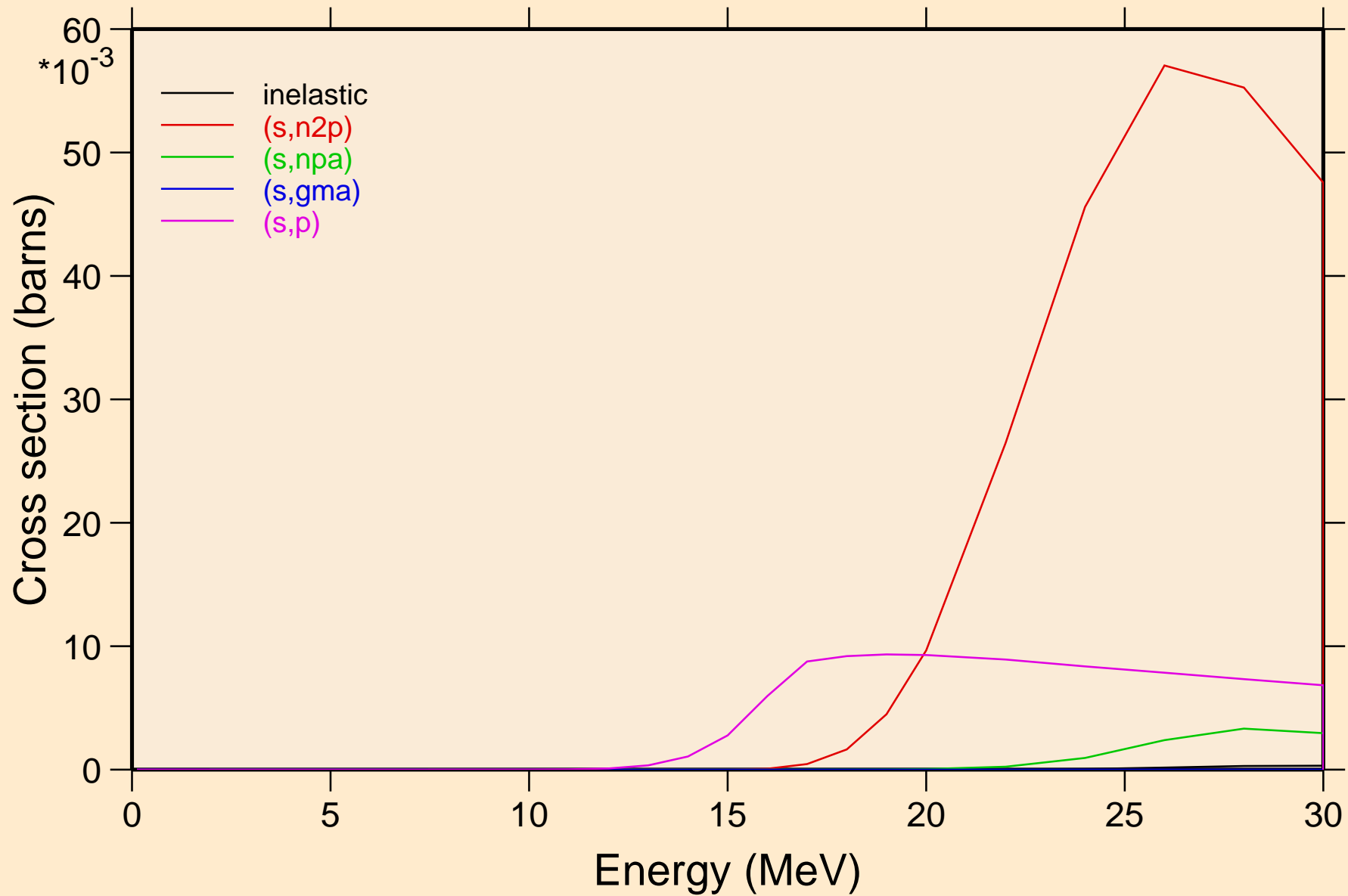
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## Threshold reactions



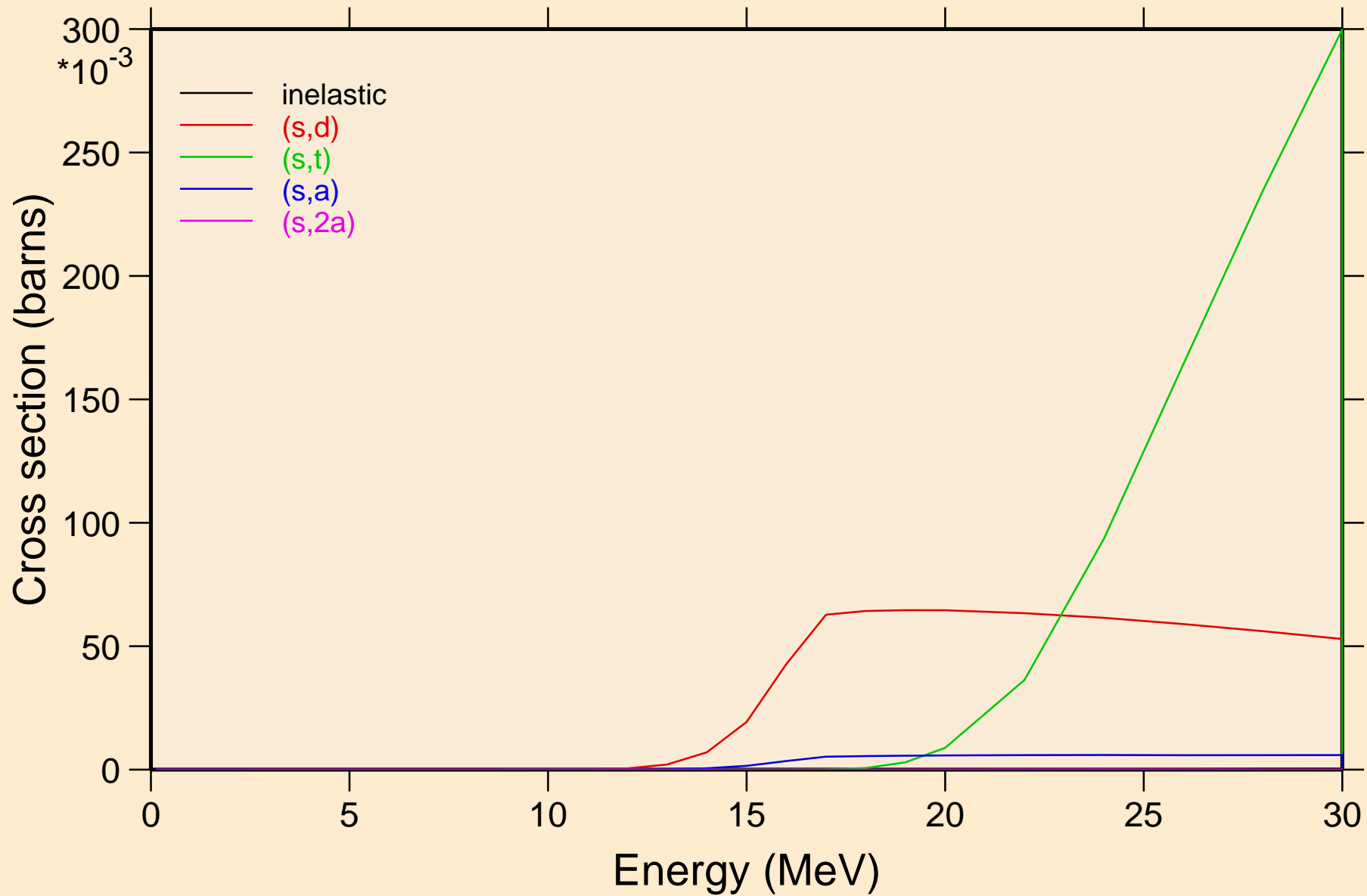
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## Threshold reactions

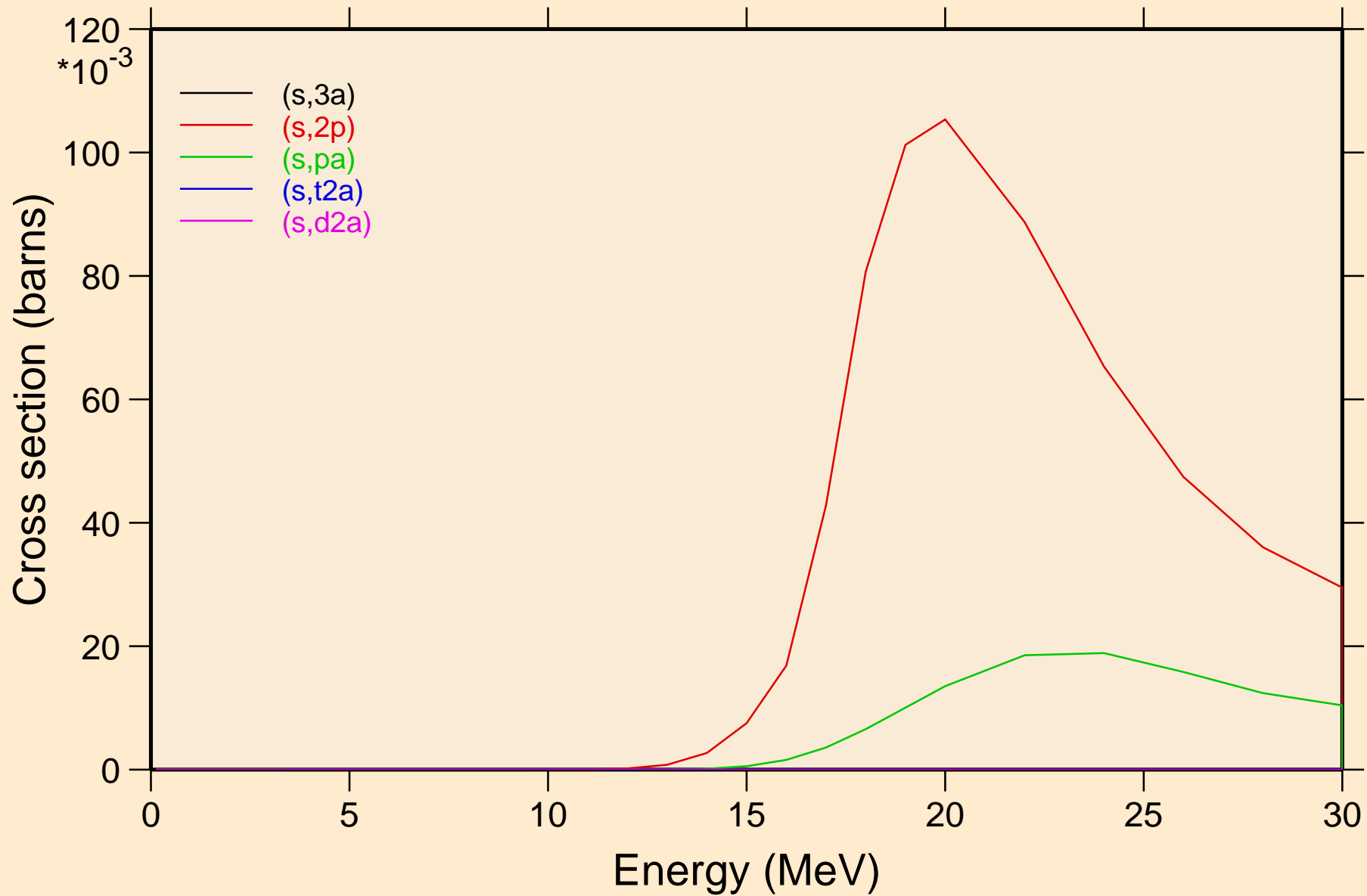


# CS117M HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

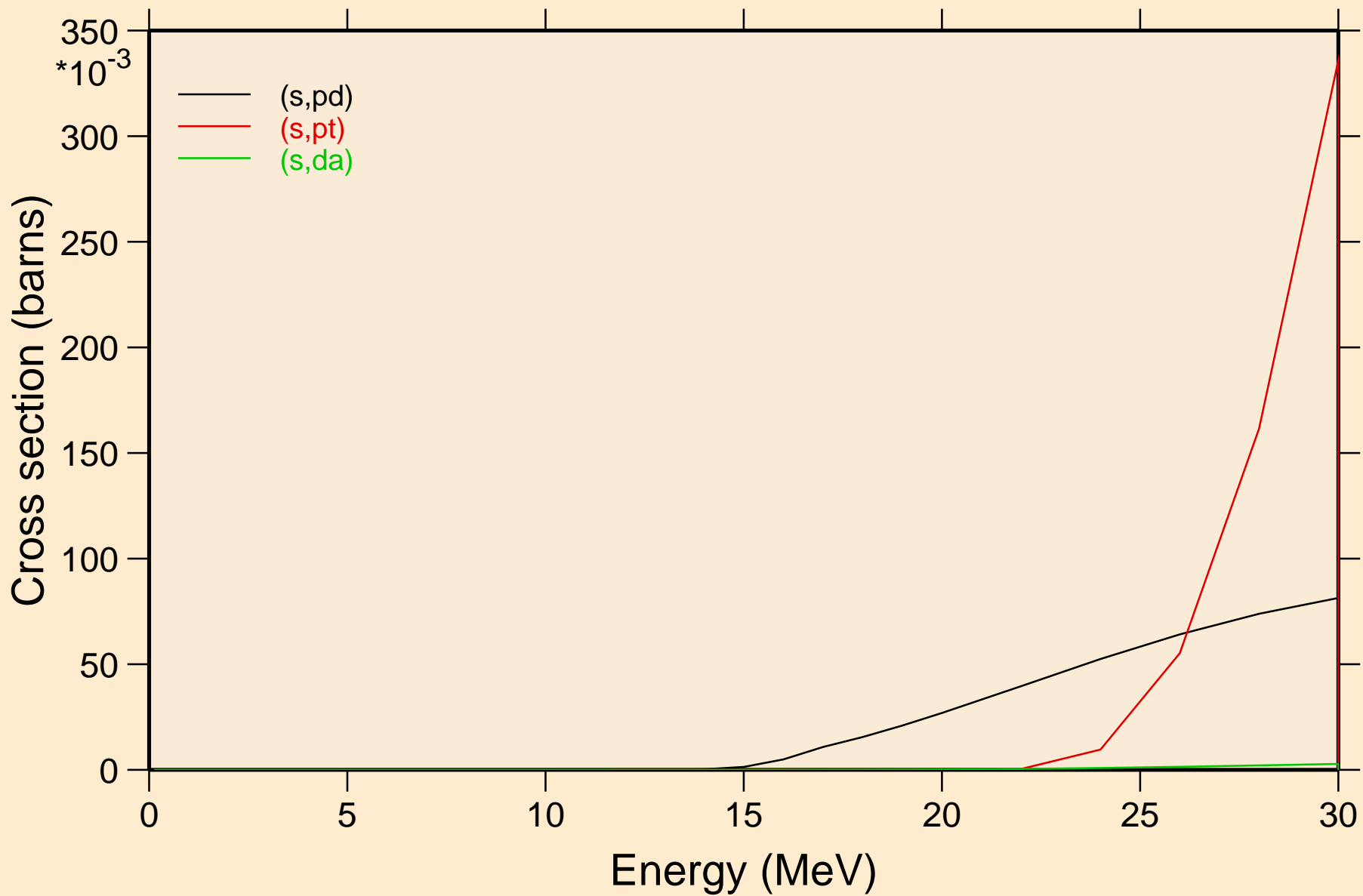


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Threshold reactions

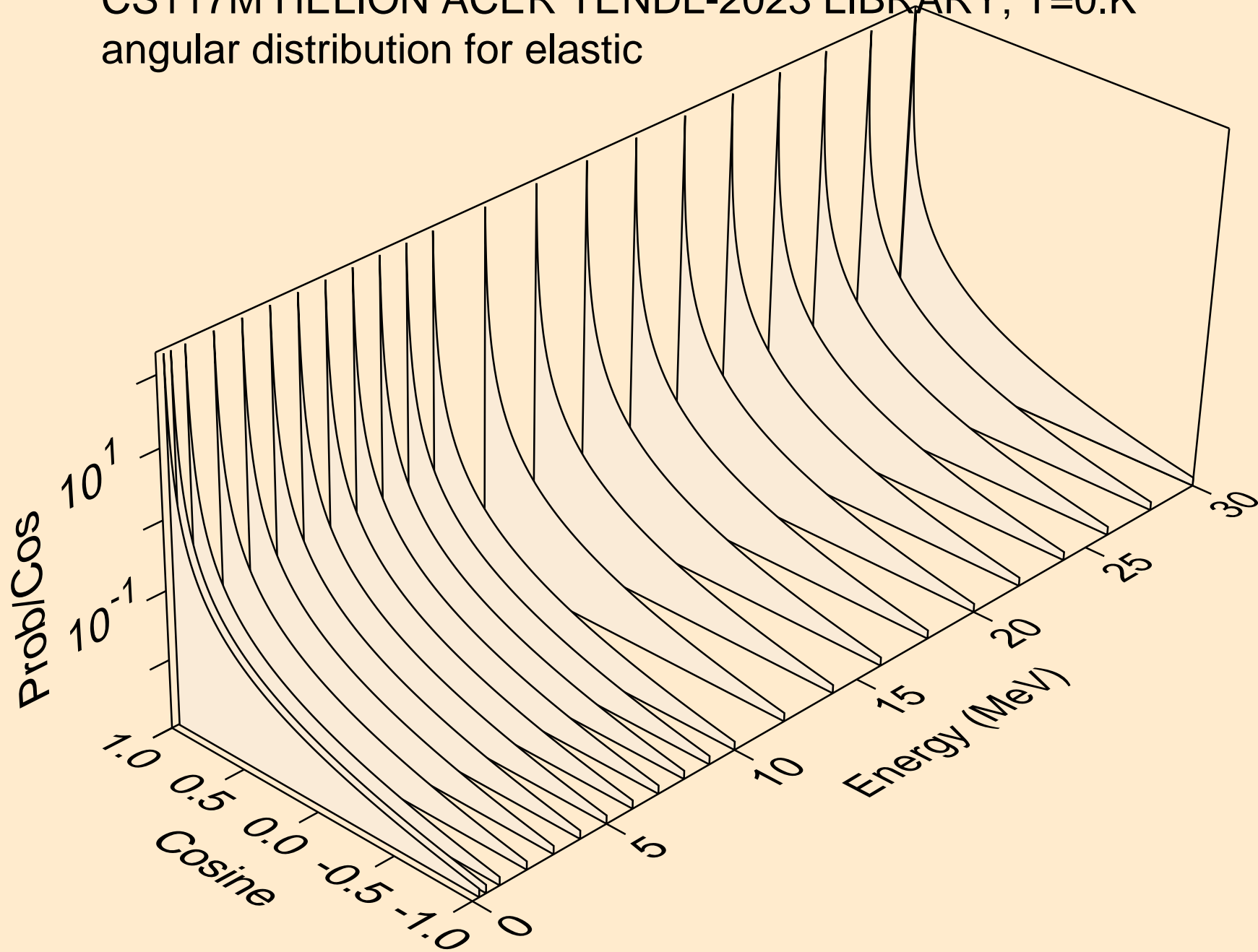


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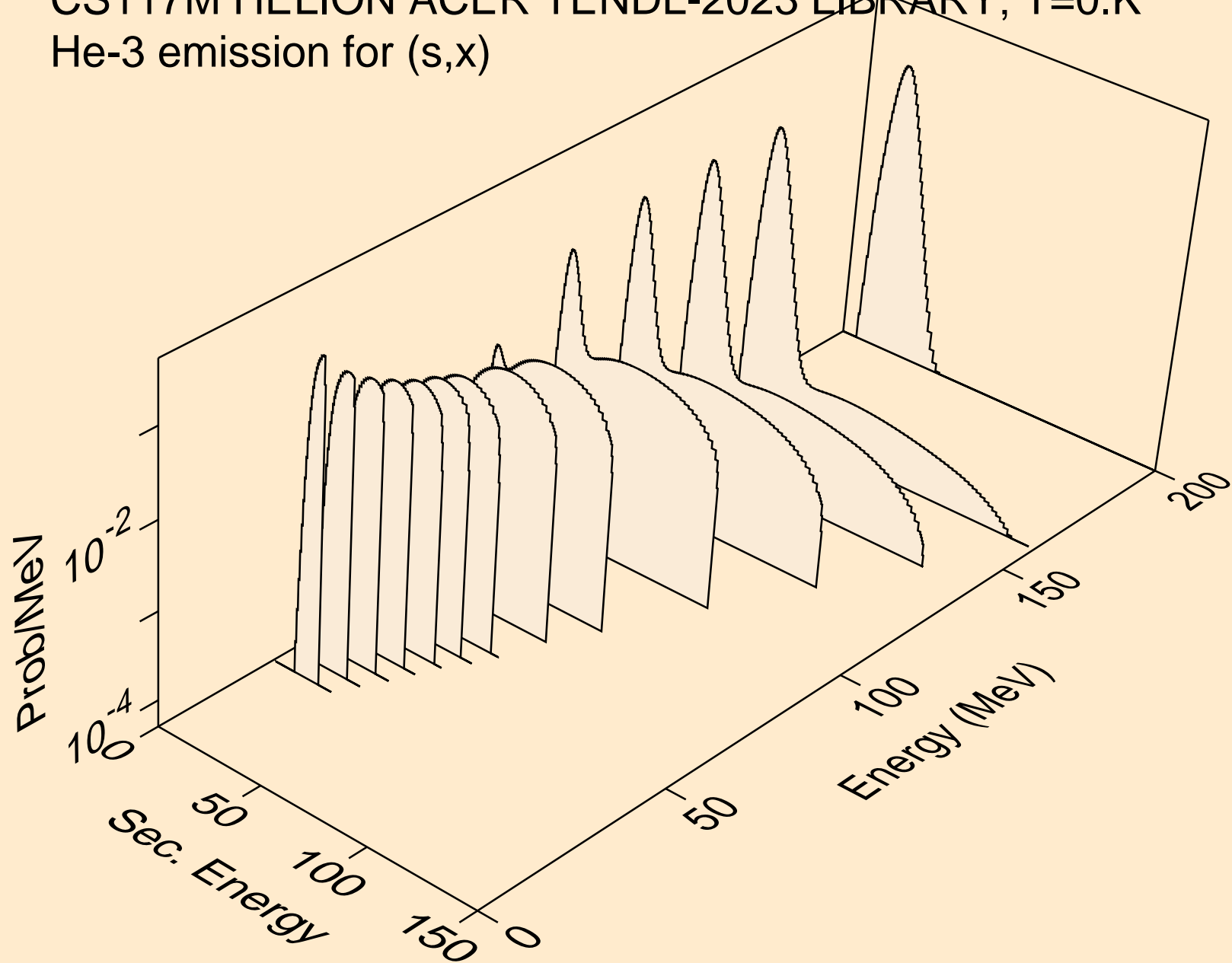
## Threshold reactions



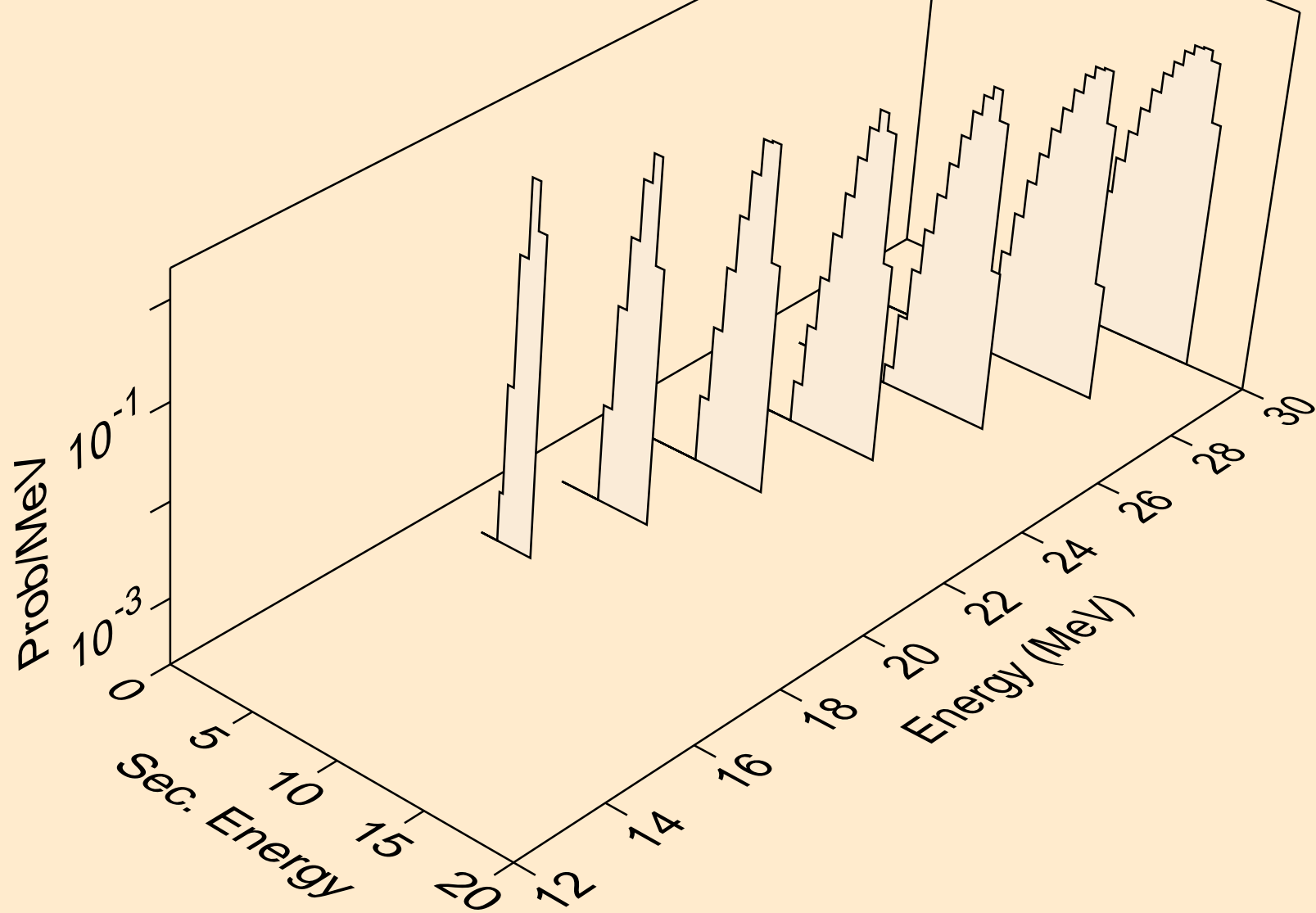
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angular distribution for elastic



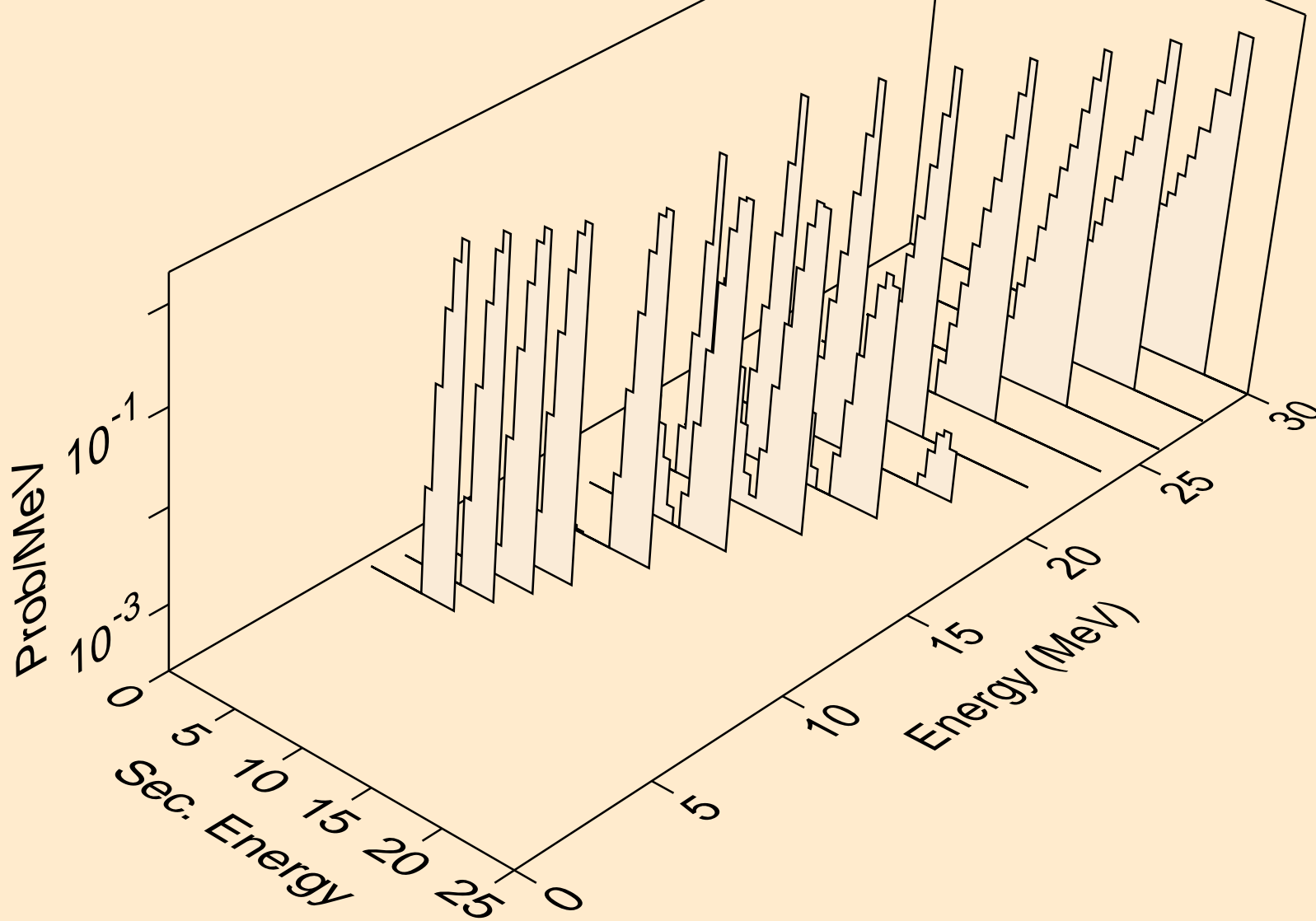
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He-3 emission for (s,x)



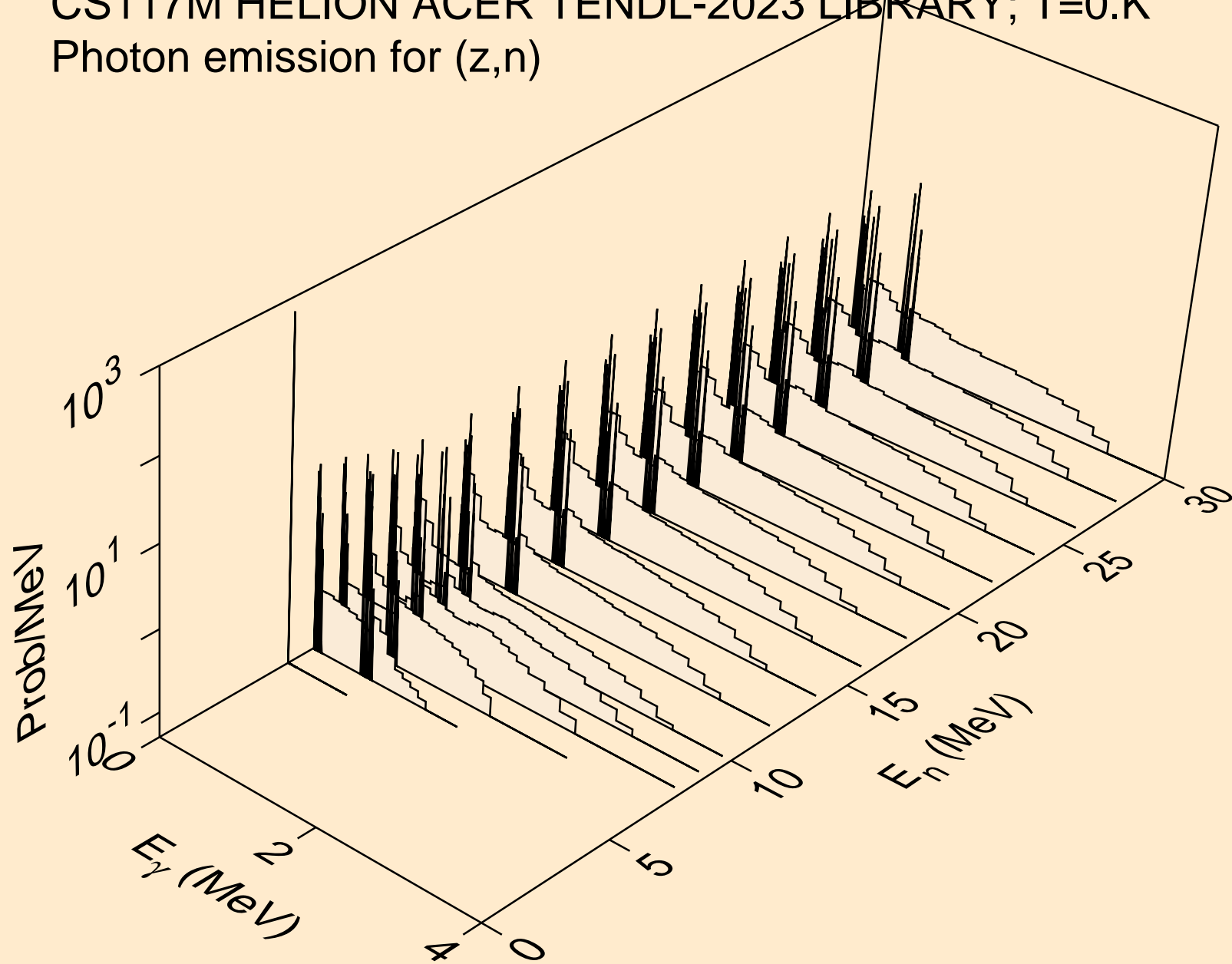
CS117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3



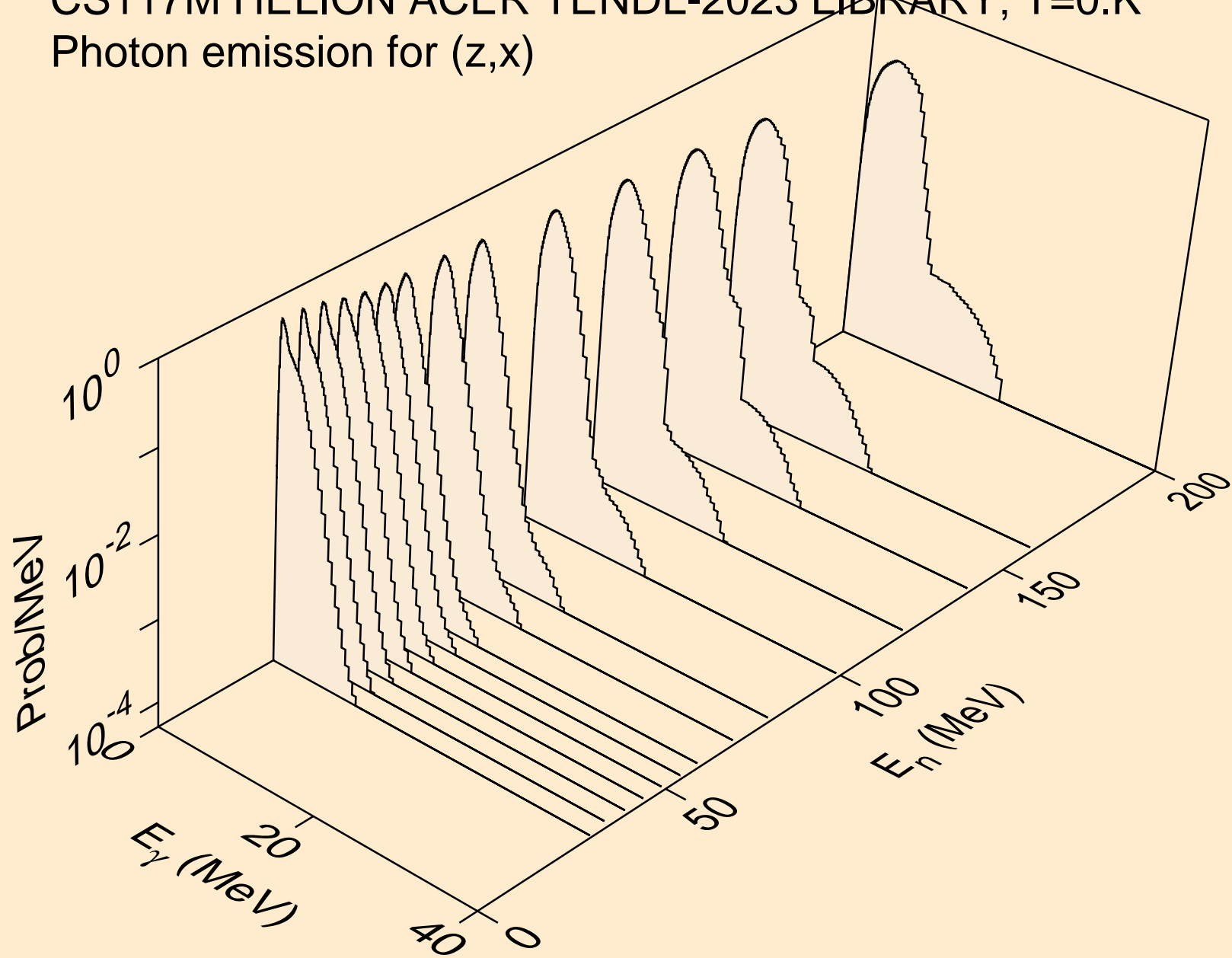
CS117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic



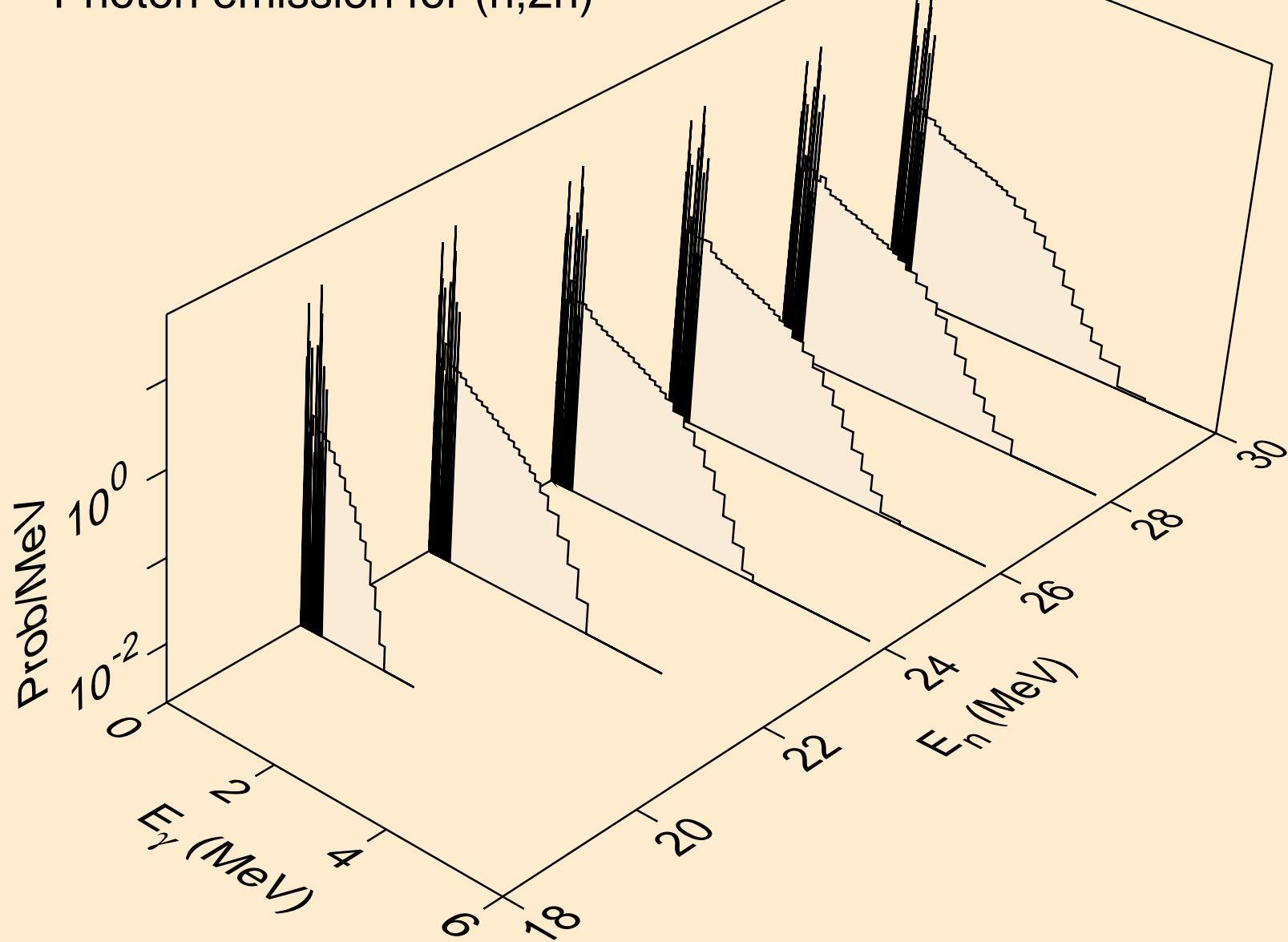
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Photon emission for (z,n)



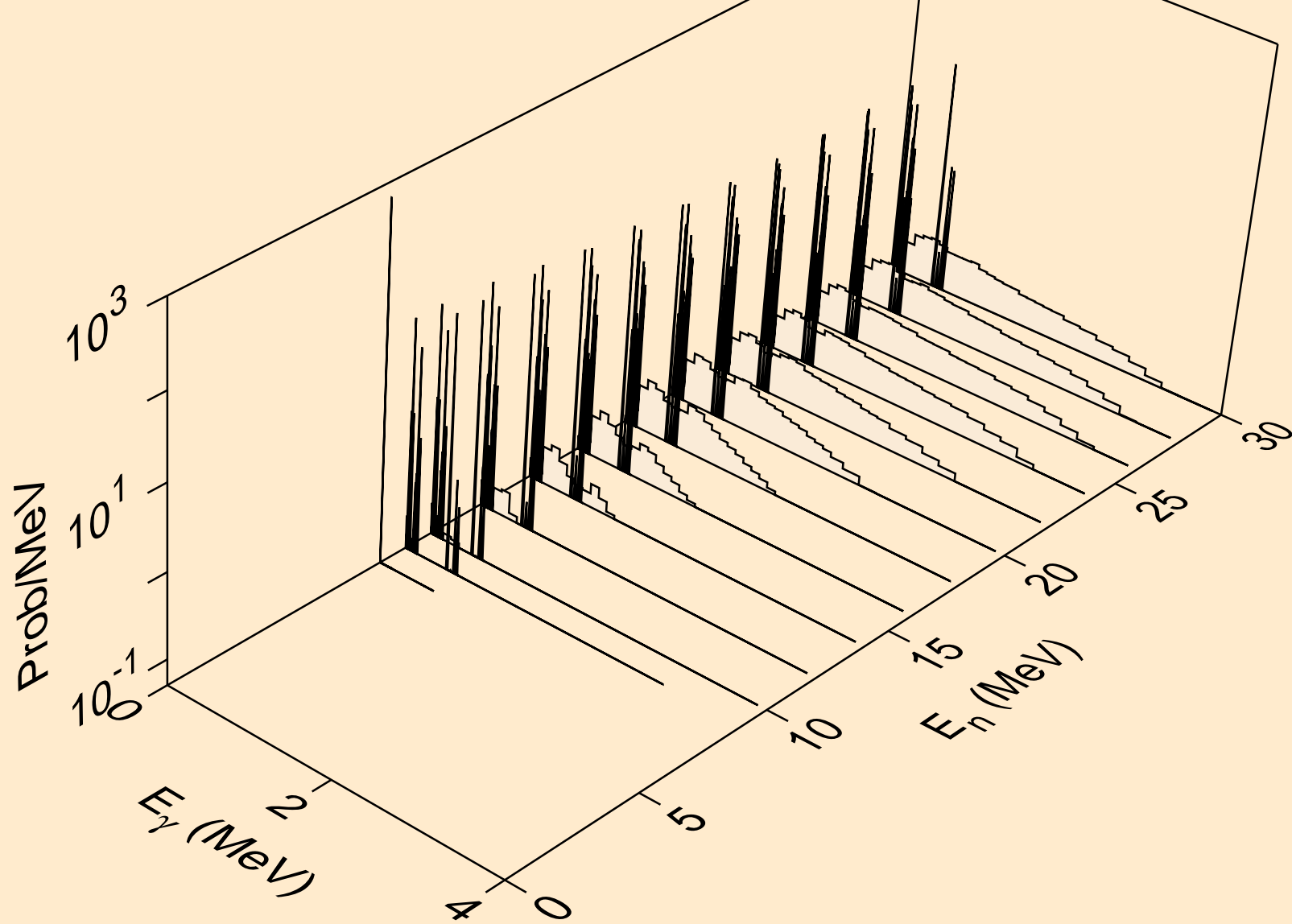
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Photon emission for (z,x)



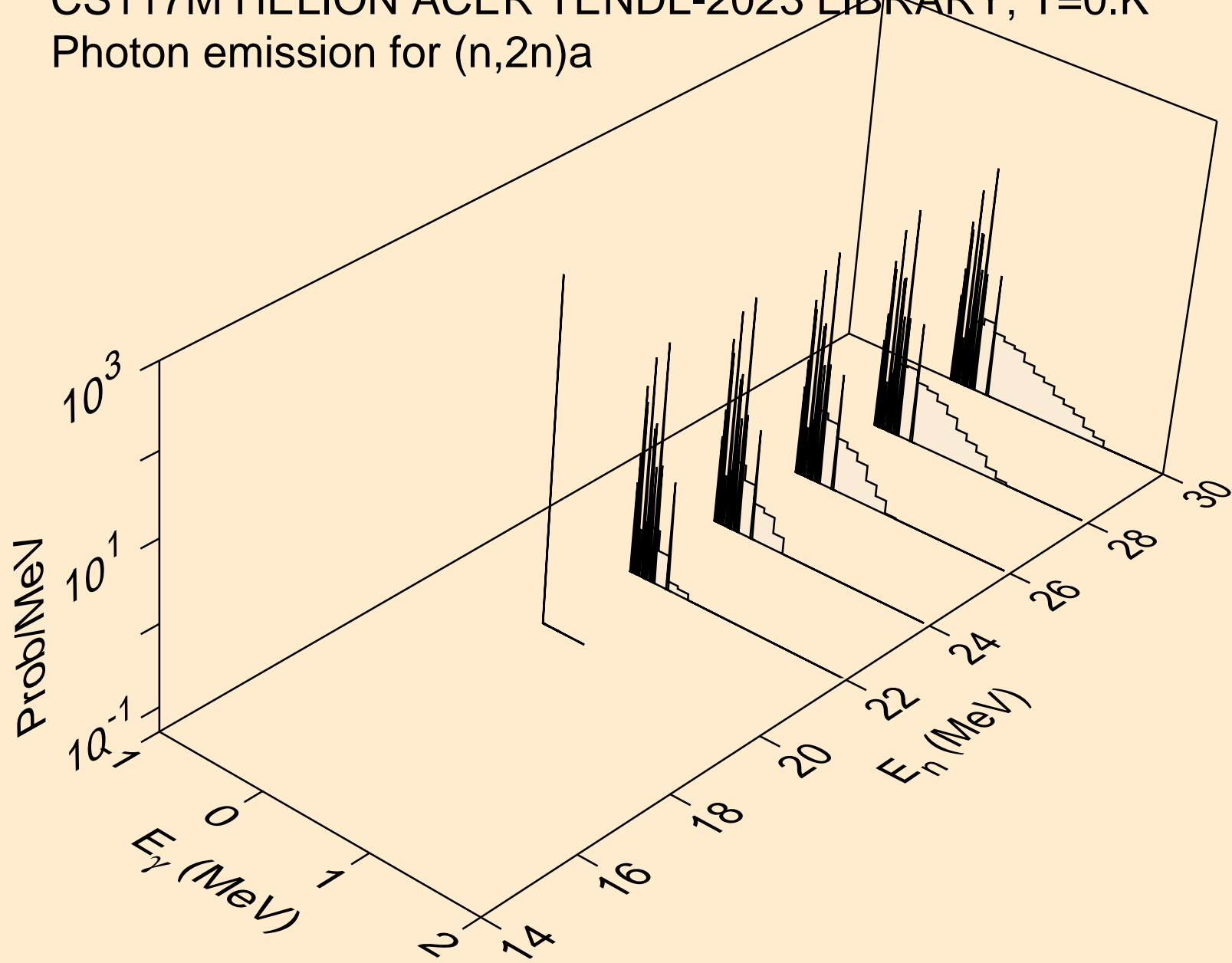
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Photon emission for (n,2n)



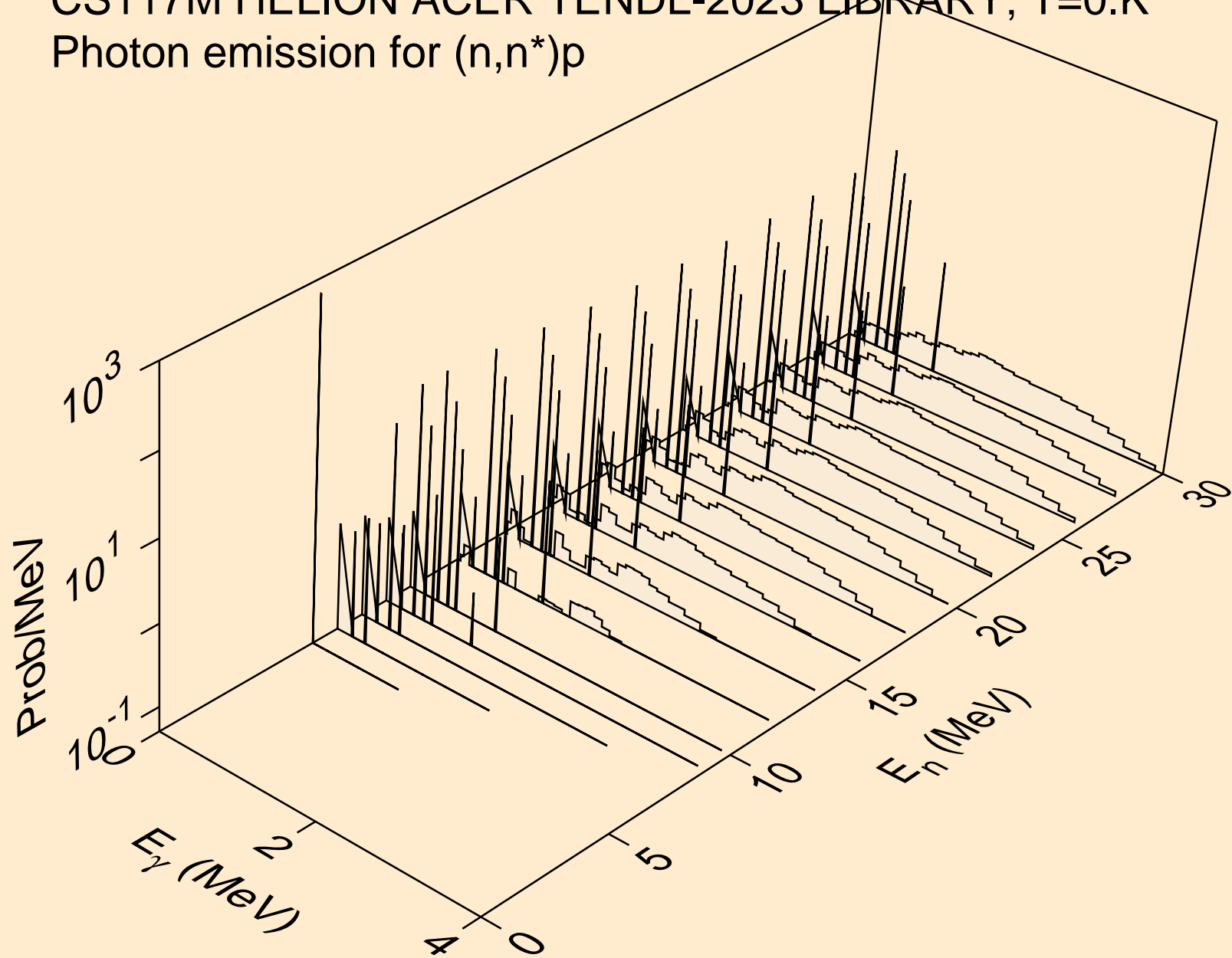
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Photon emission for (n,n\*)a



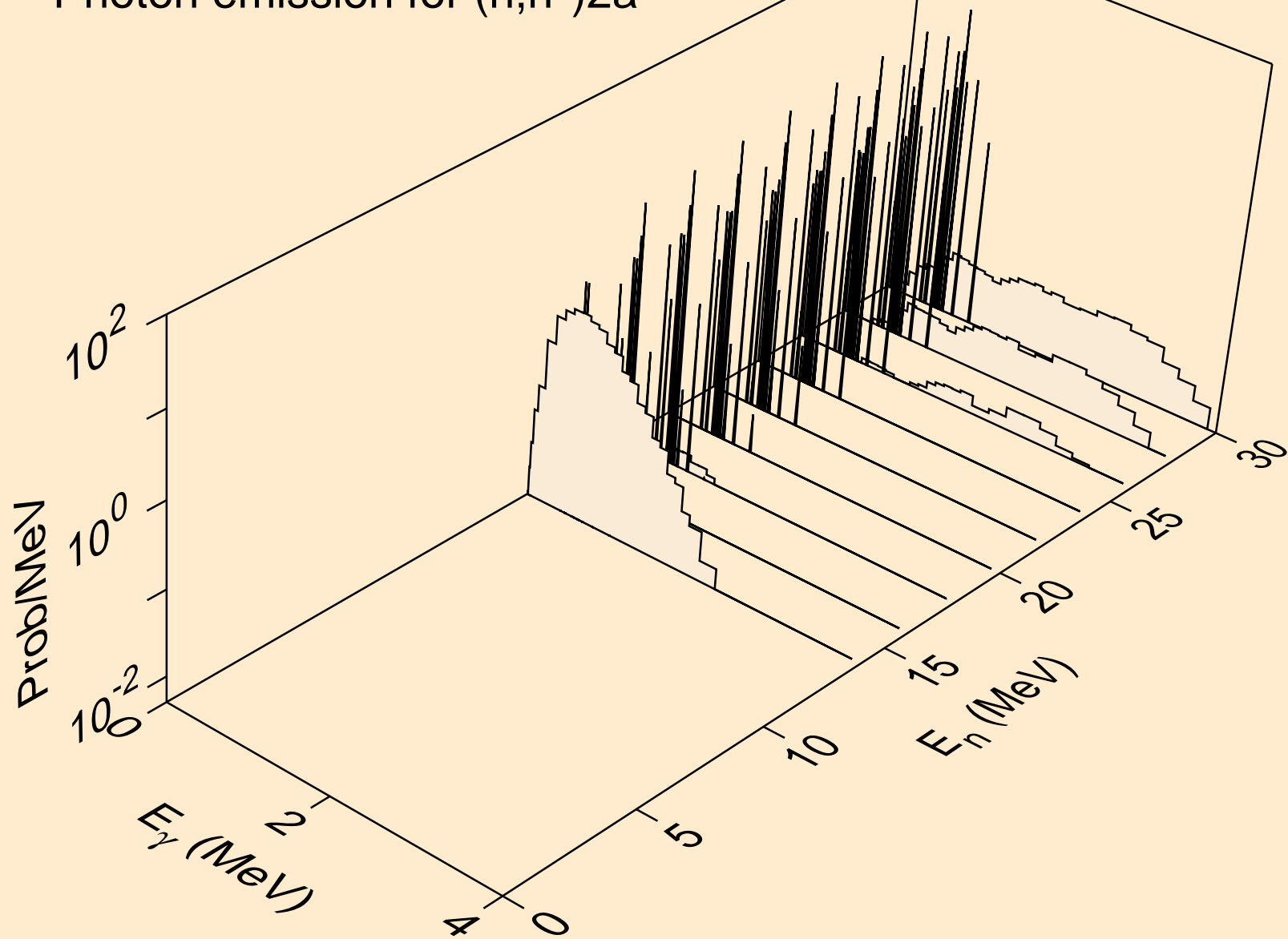
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Photon emission for (n,2n)a



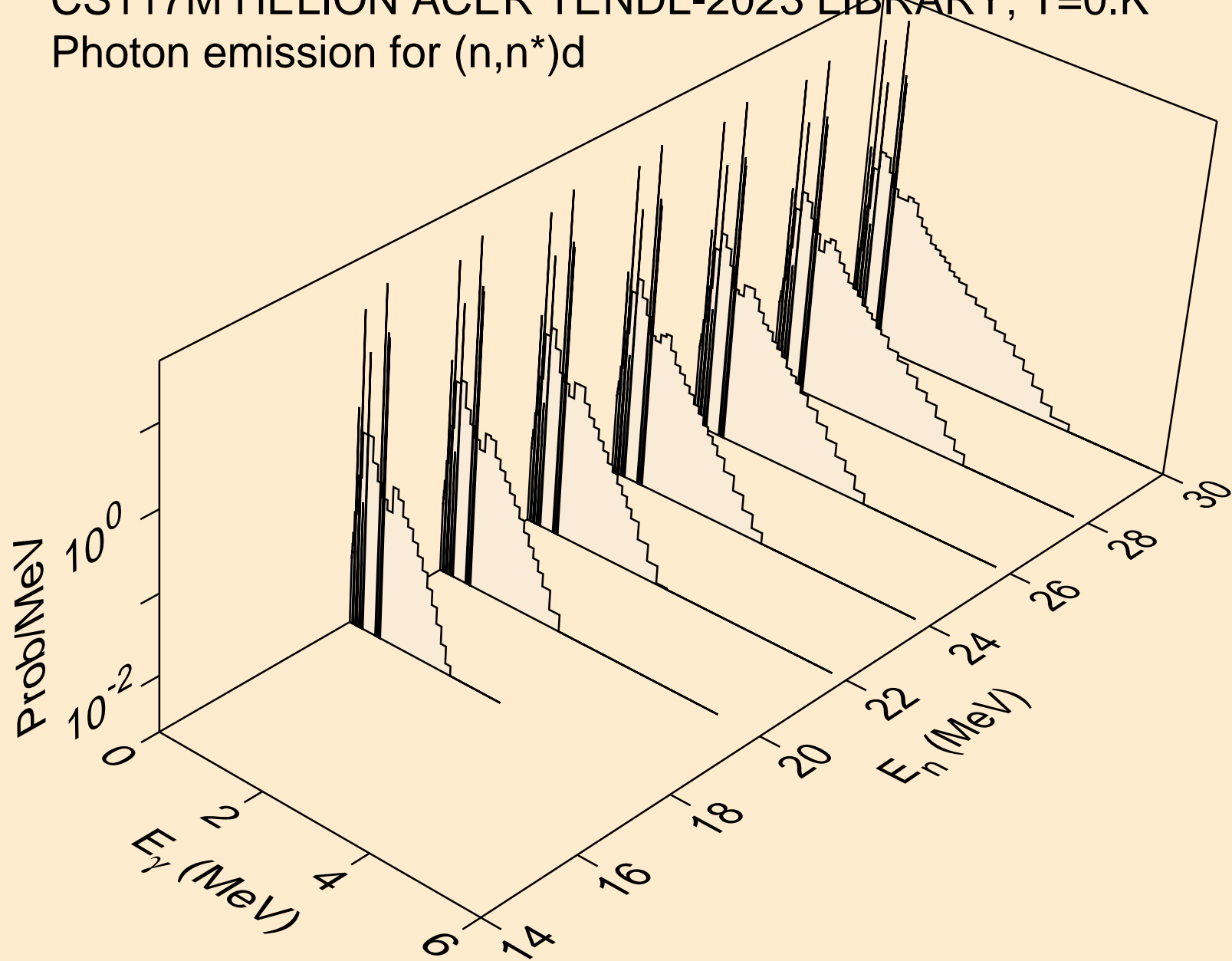
CS117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



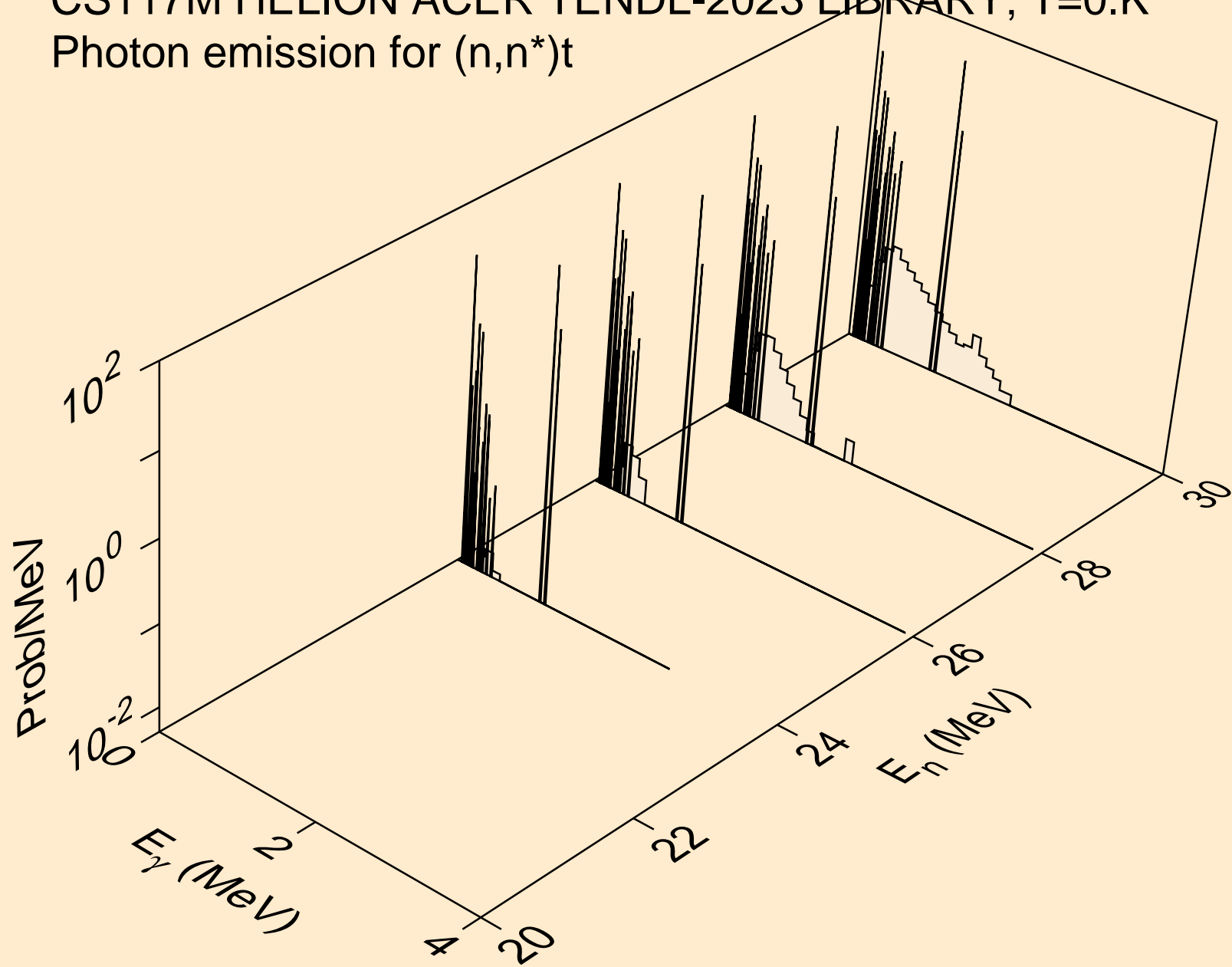
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Photon emission for (n,n\*)2a



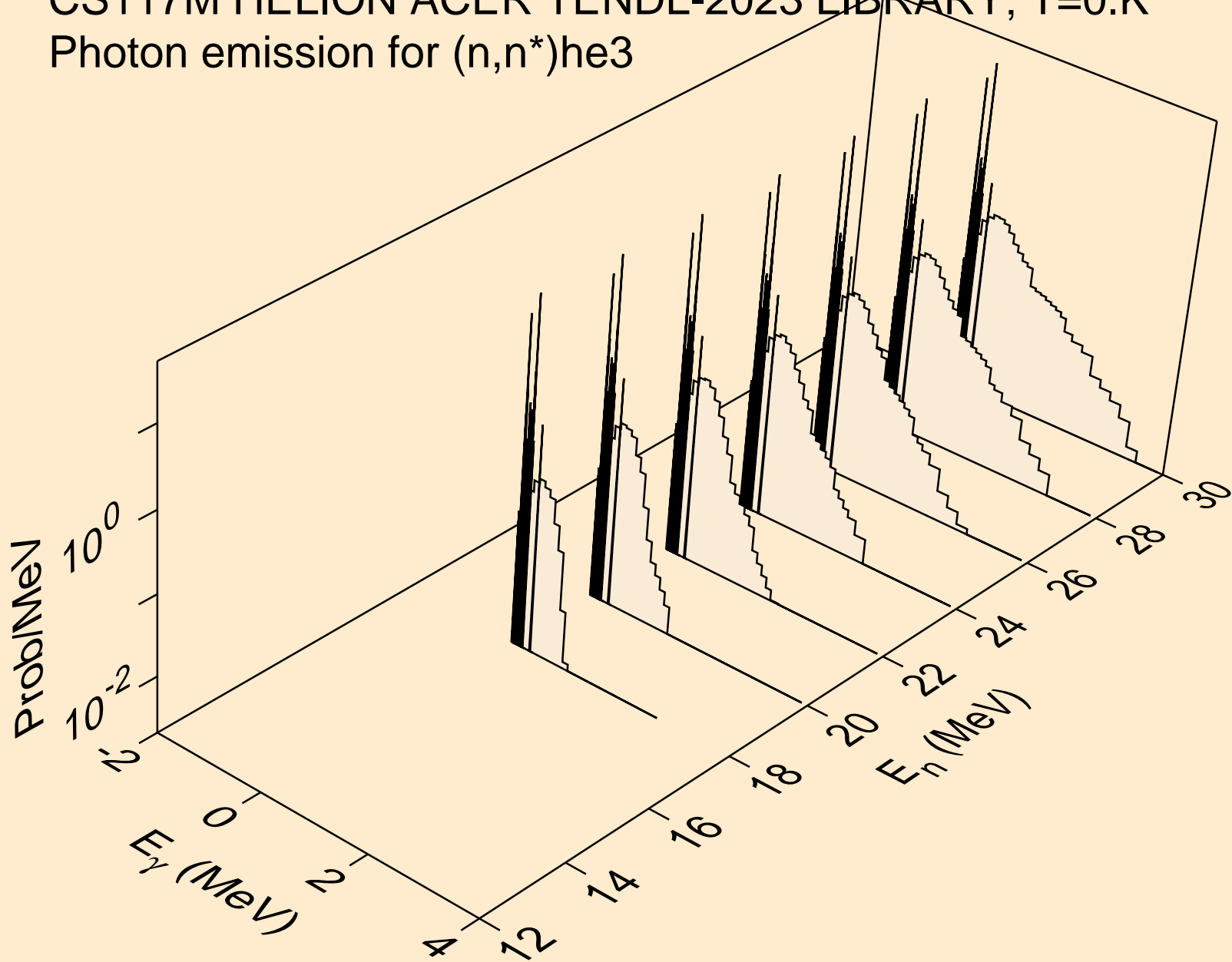
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Photon emission for (n,n\*)d



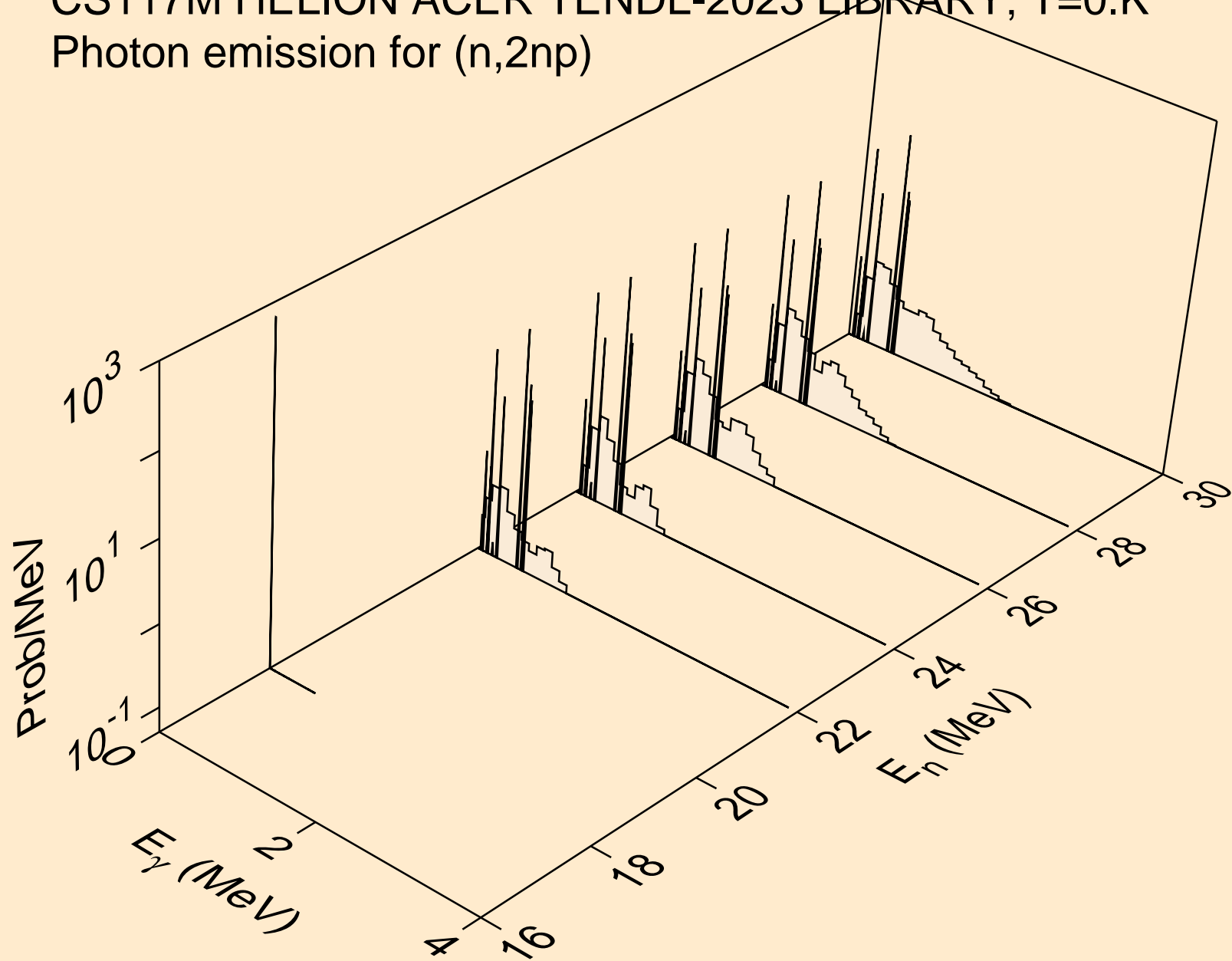
CS117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



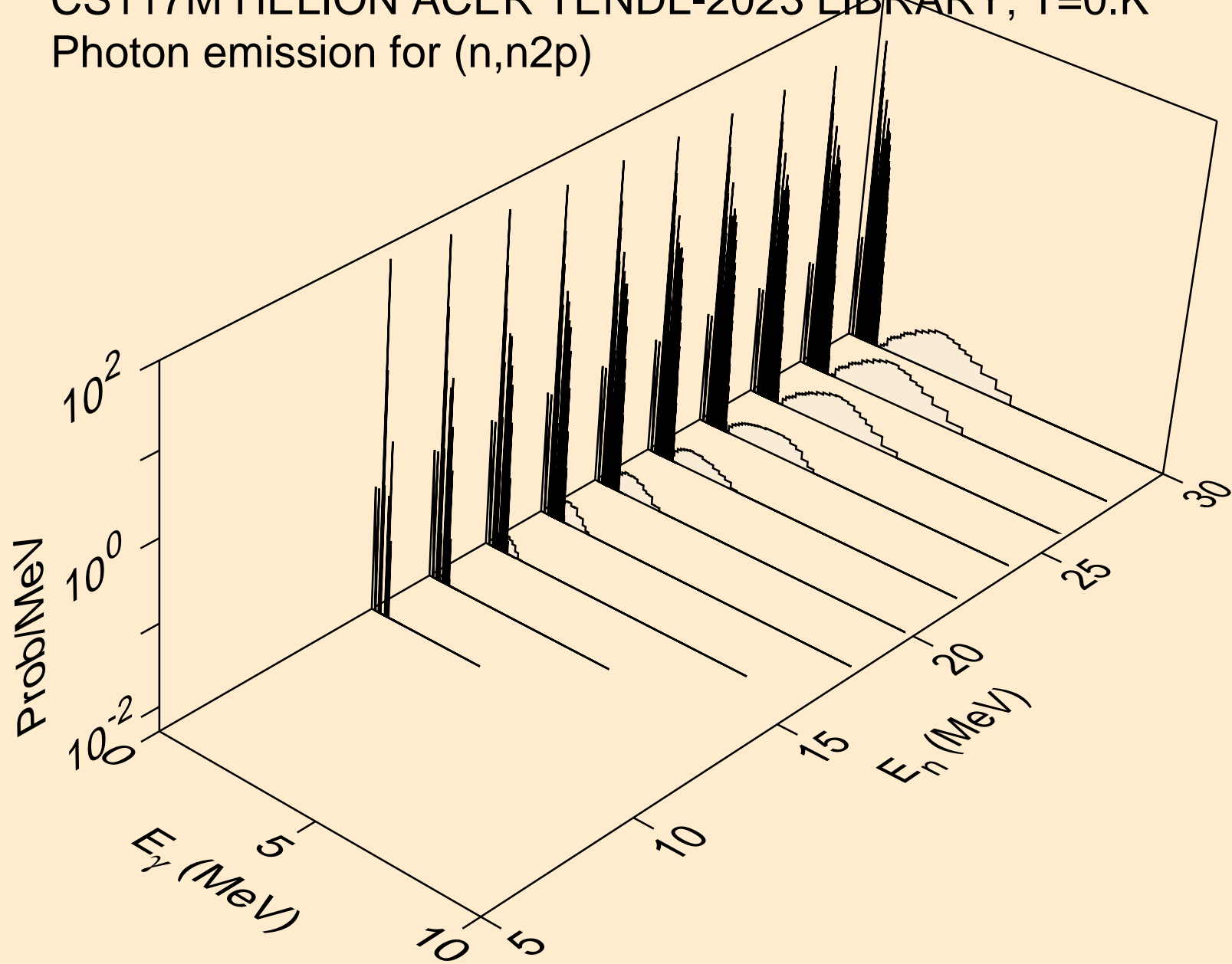
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Photon emission for (n,n\*)he3



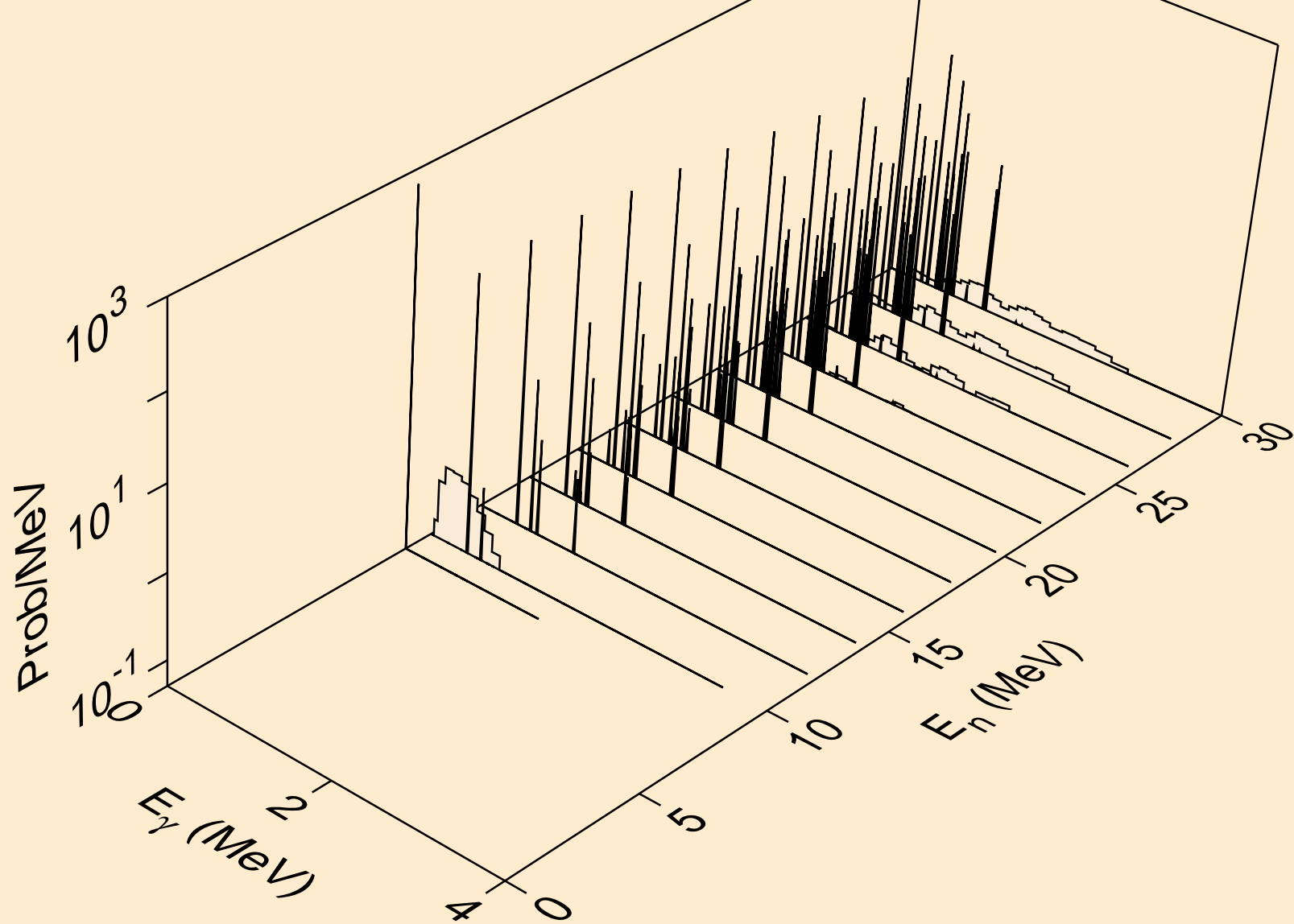
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Photon emission for (n,2np)



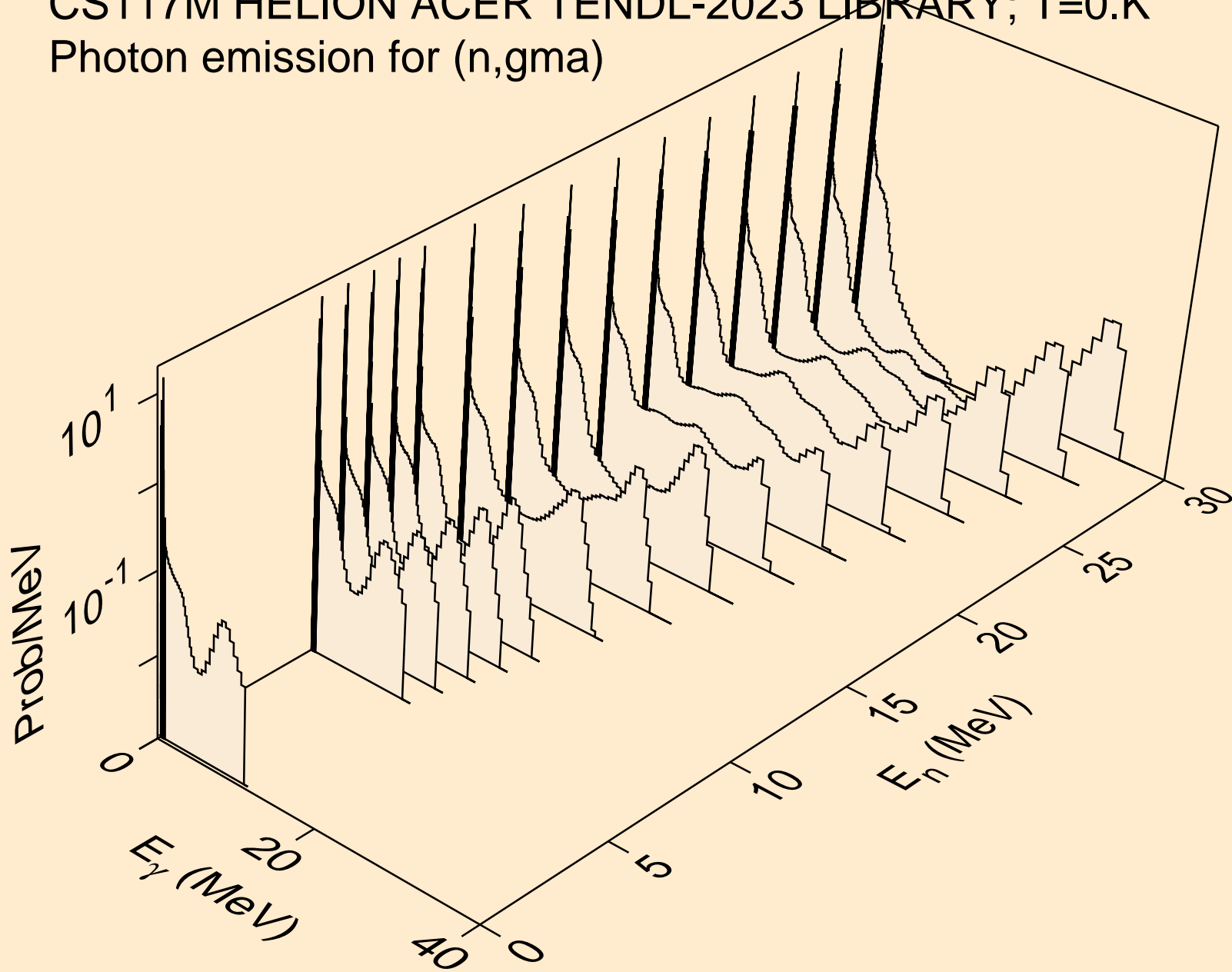
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Photon emission for (n,n2p)



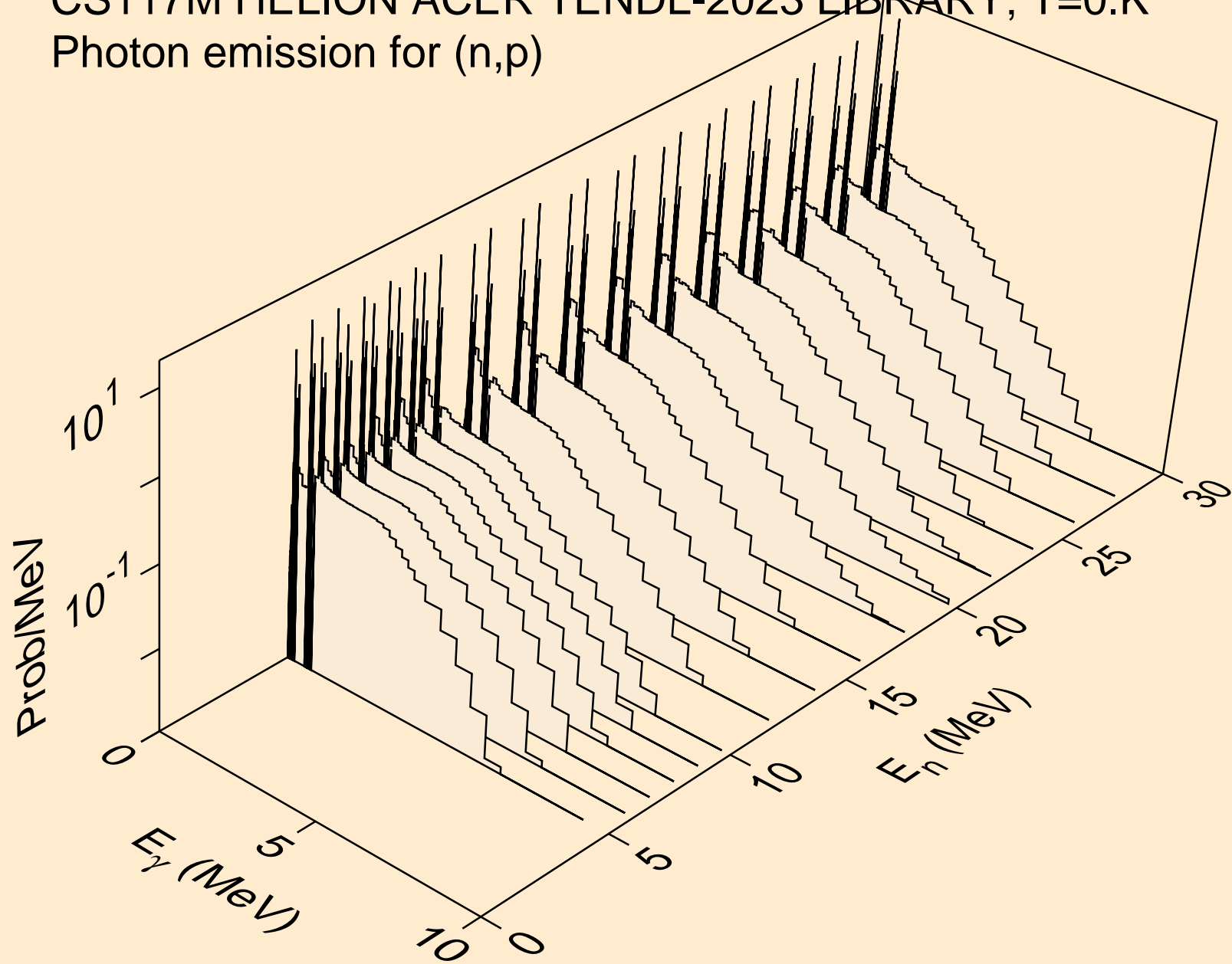
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Photon emission for (n,npa)



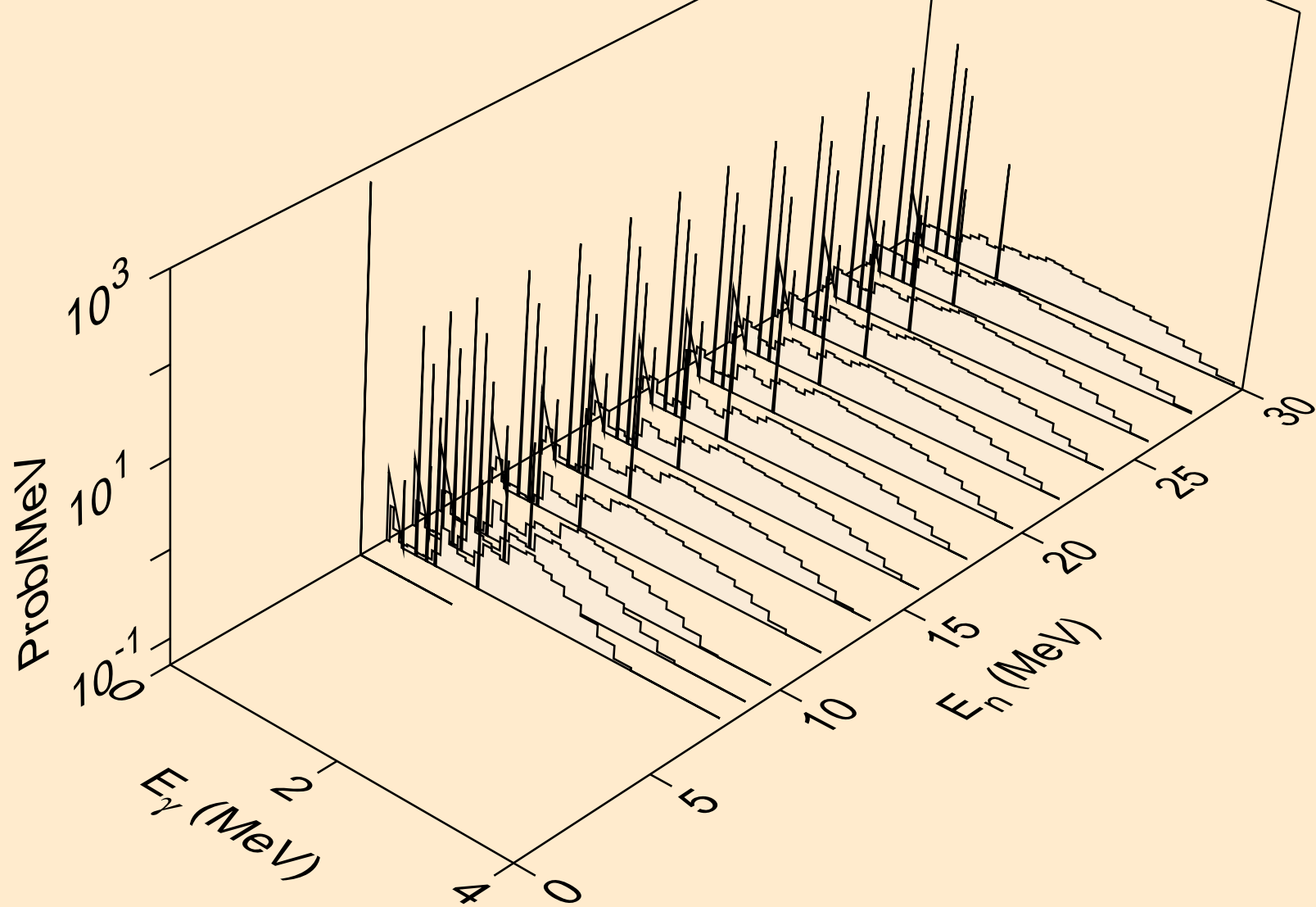
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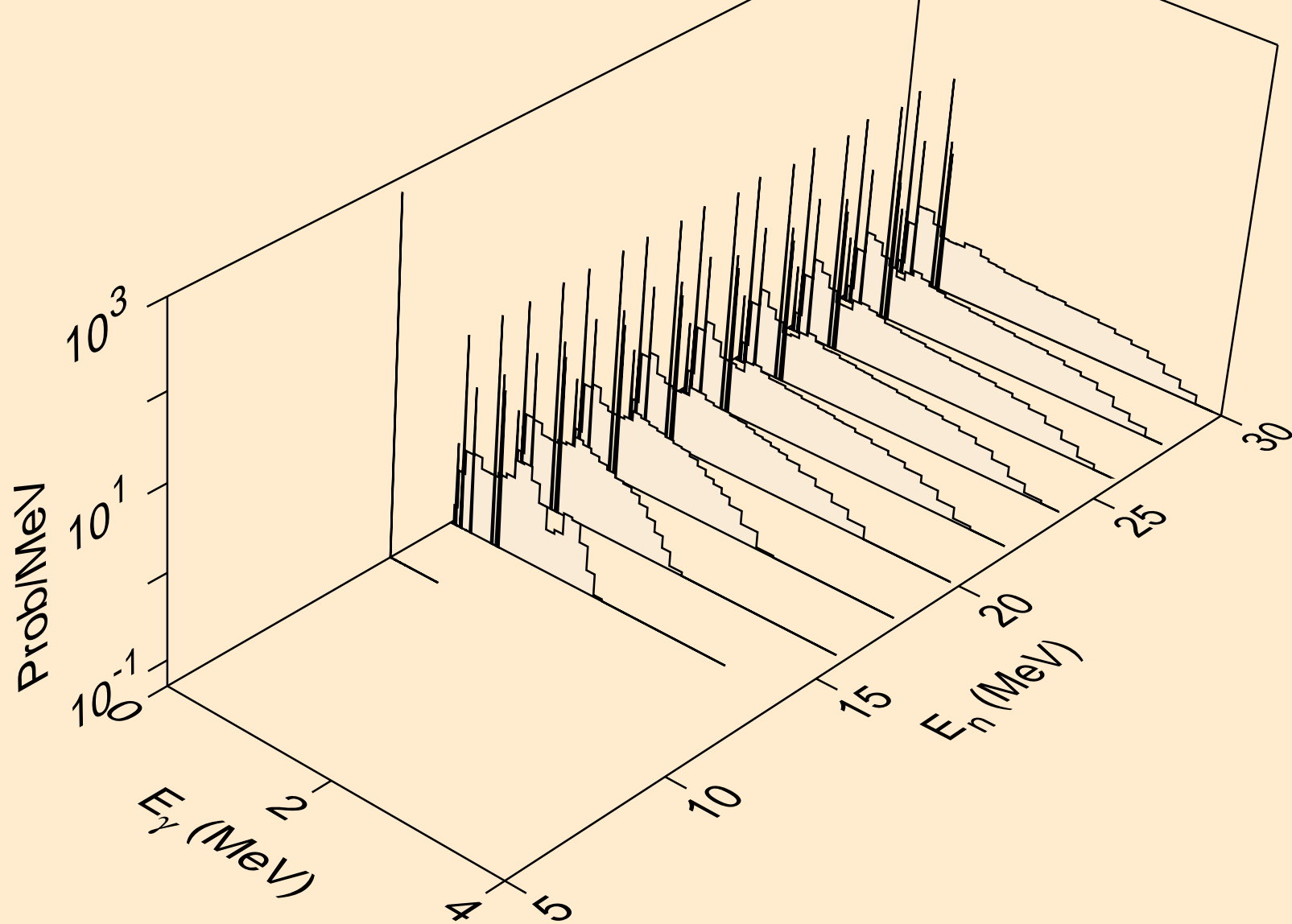
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Photon emission for (n,p)



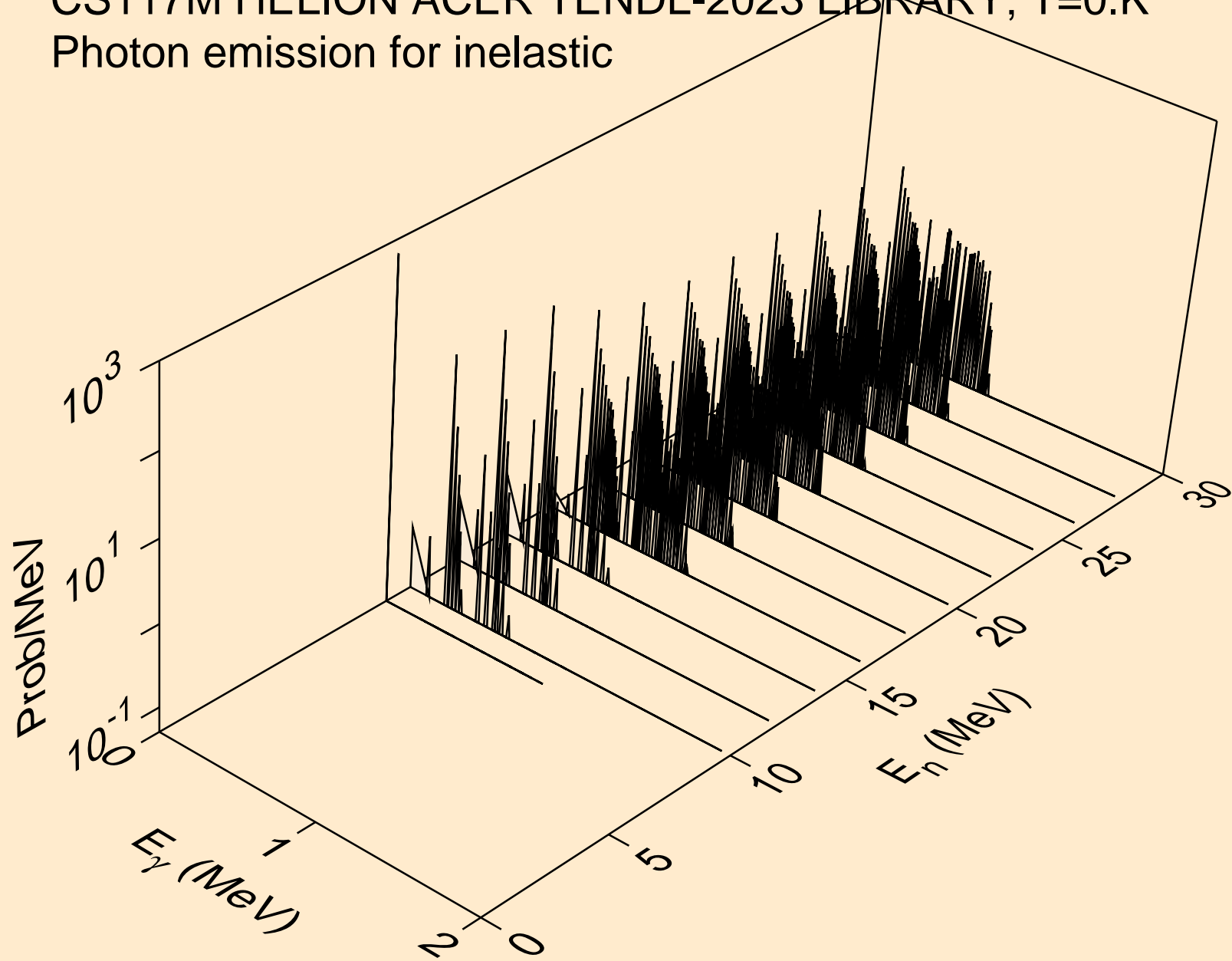
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Photon emission for (n,d)



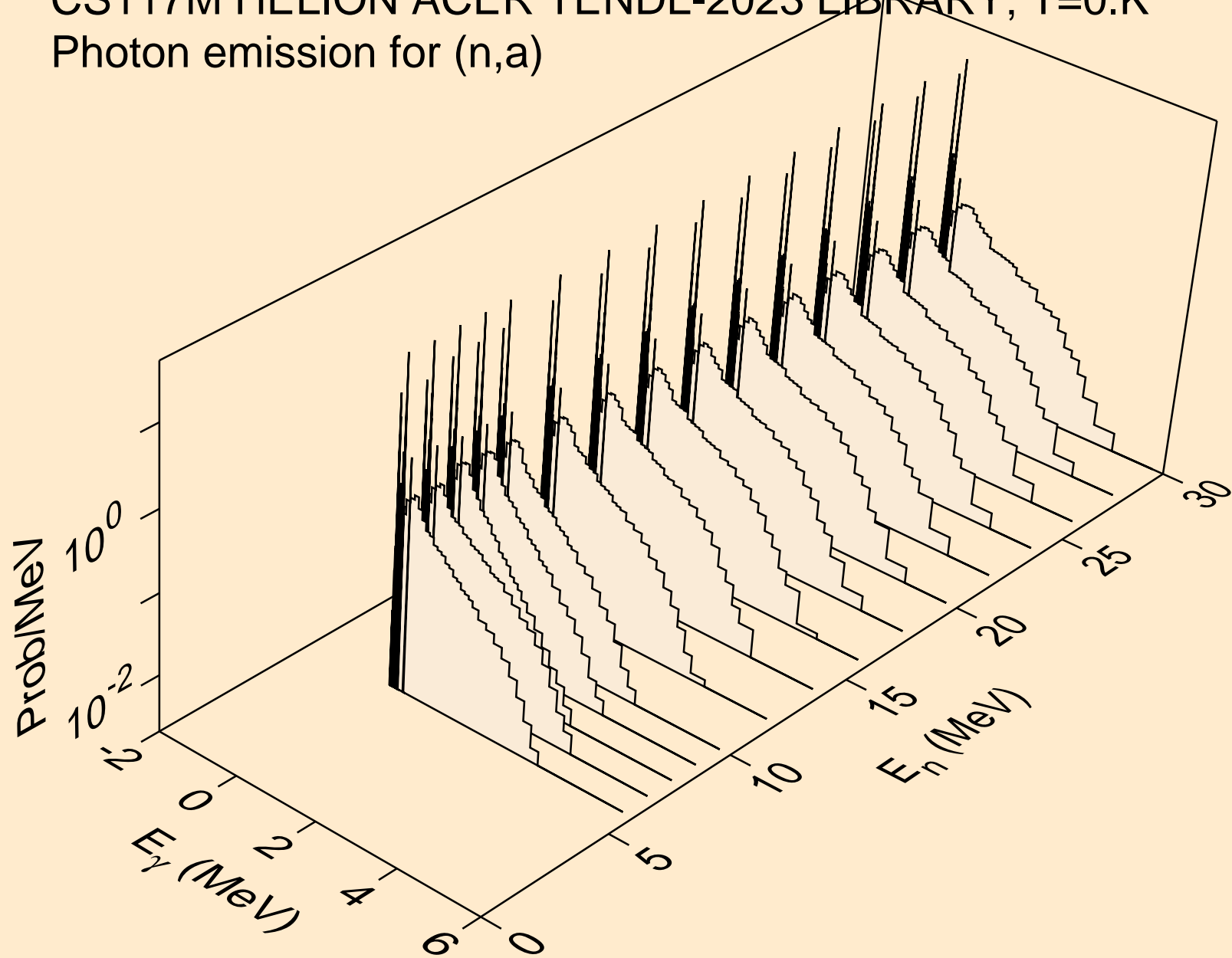
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Photon emission for (n,t)



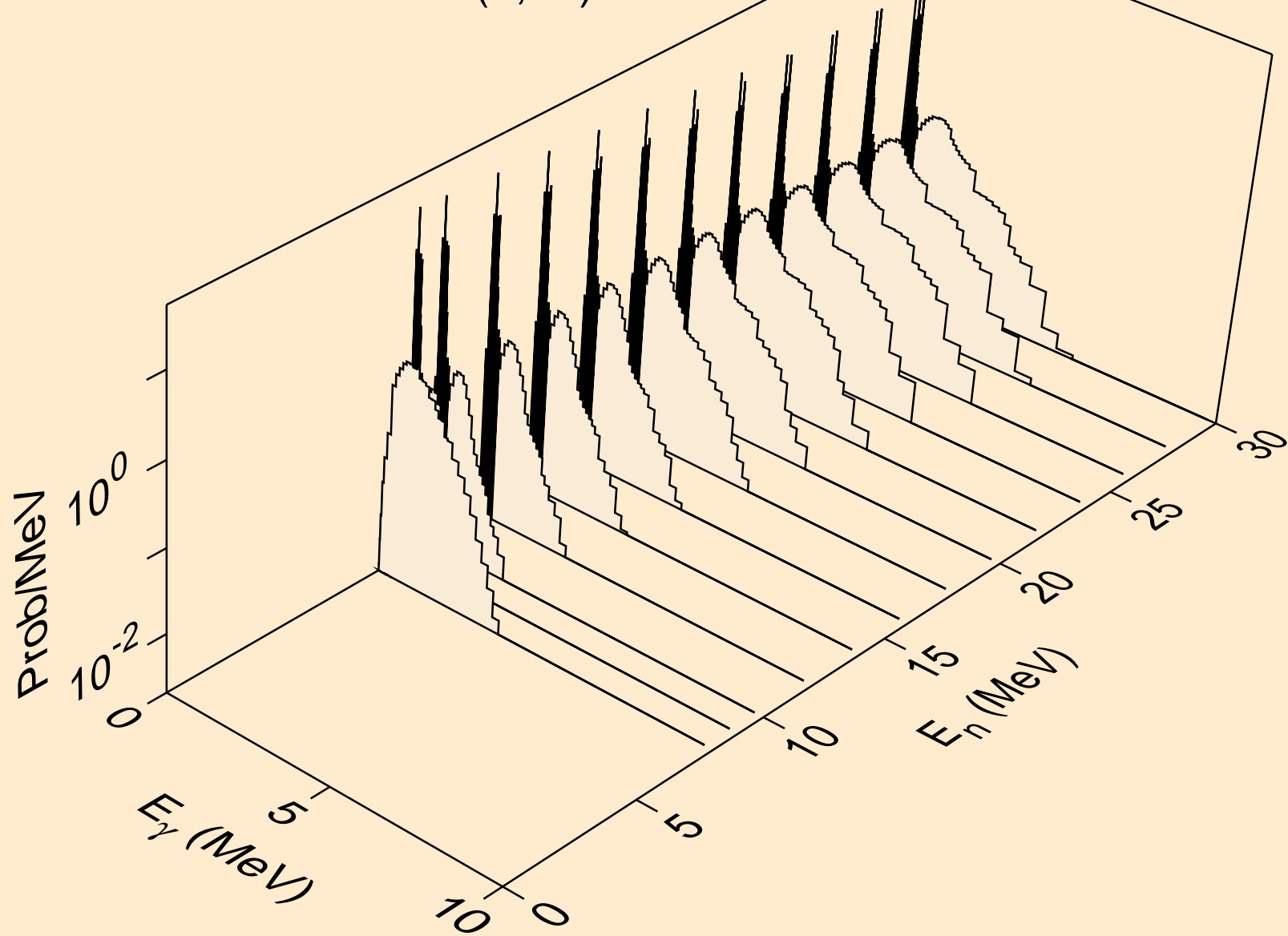
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Photon emission for inelastic



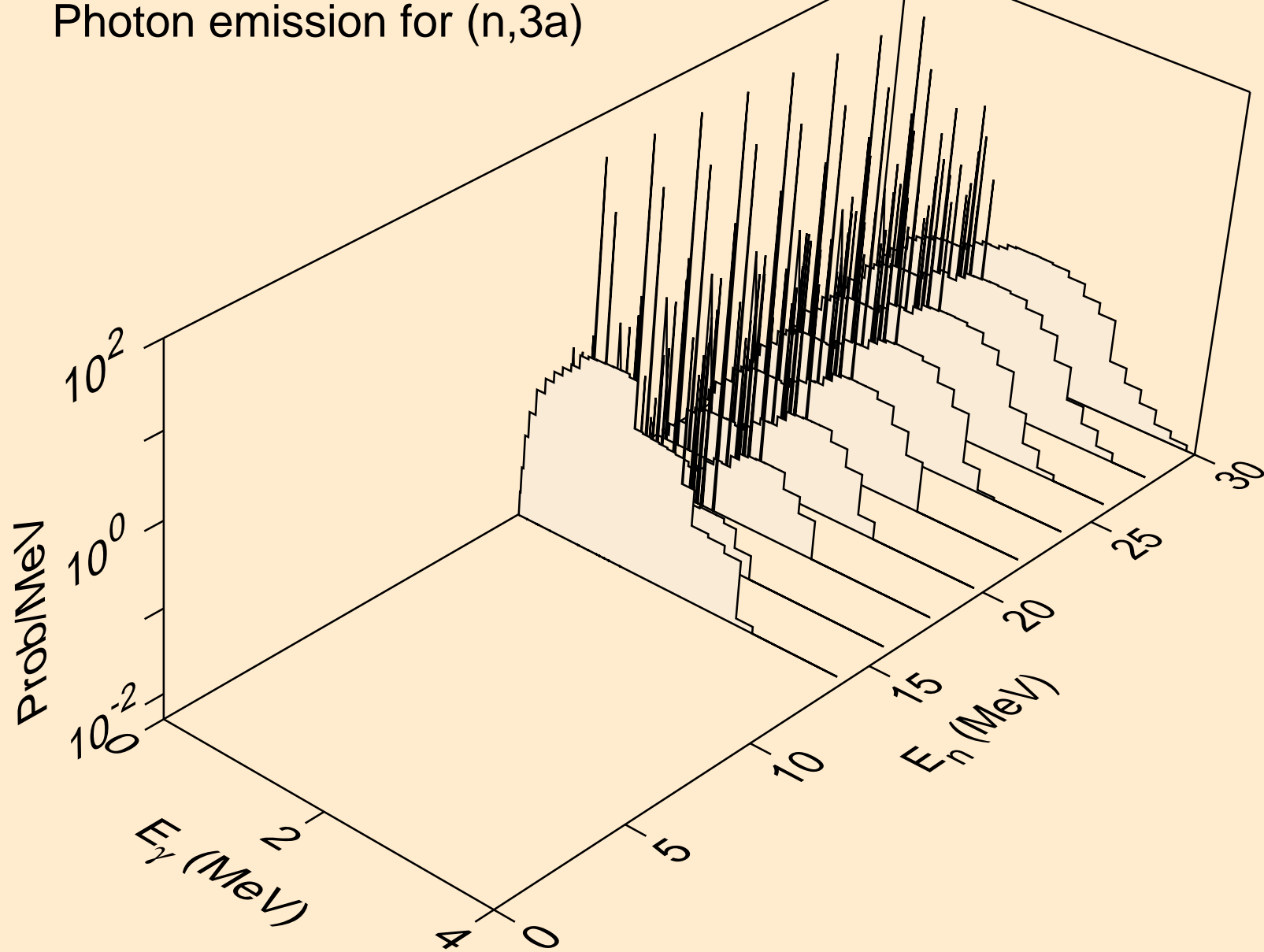
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Photon emission for (n,a)



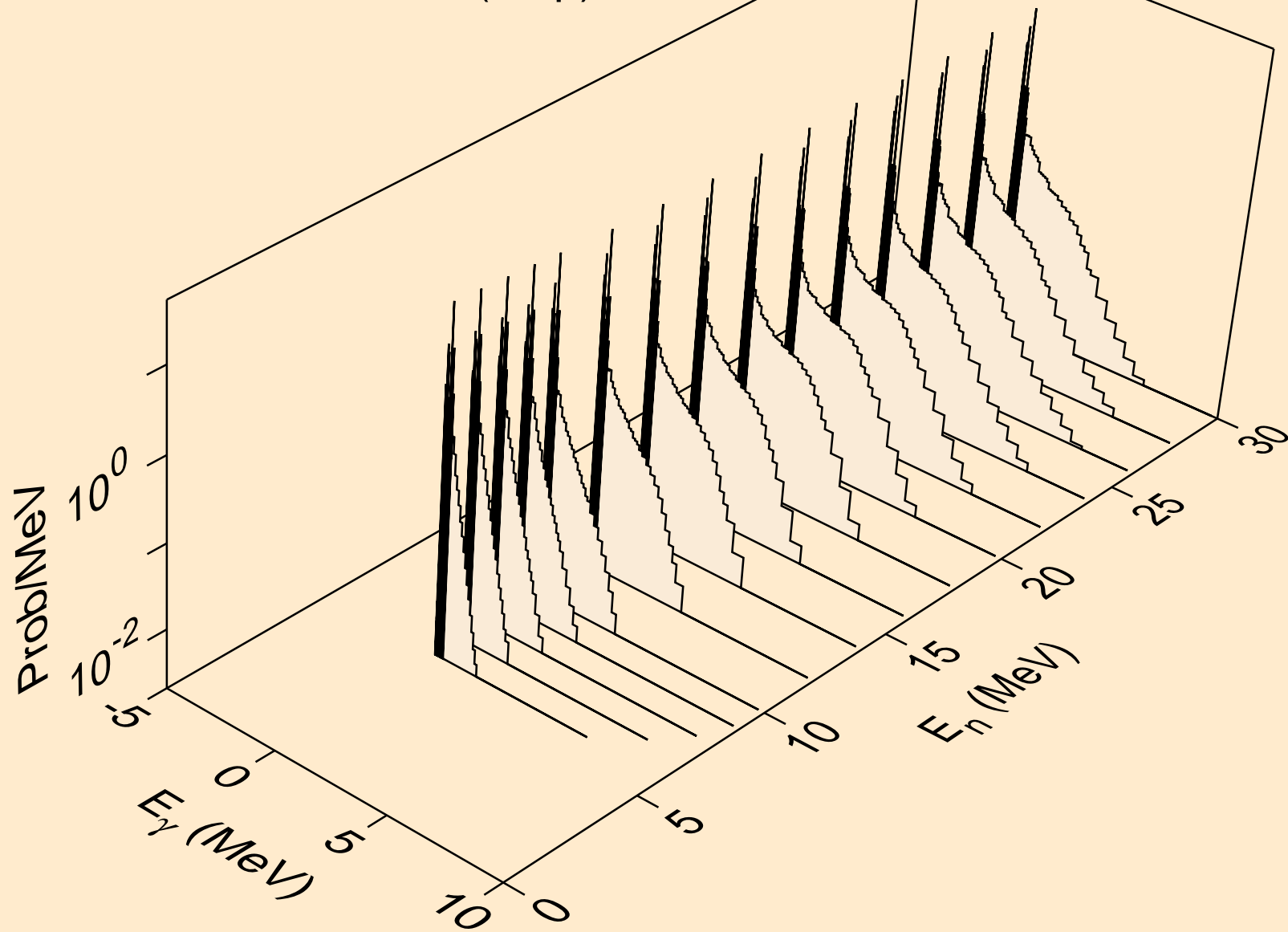
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Photon emission for (n,2a)



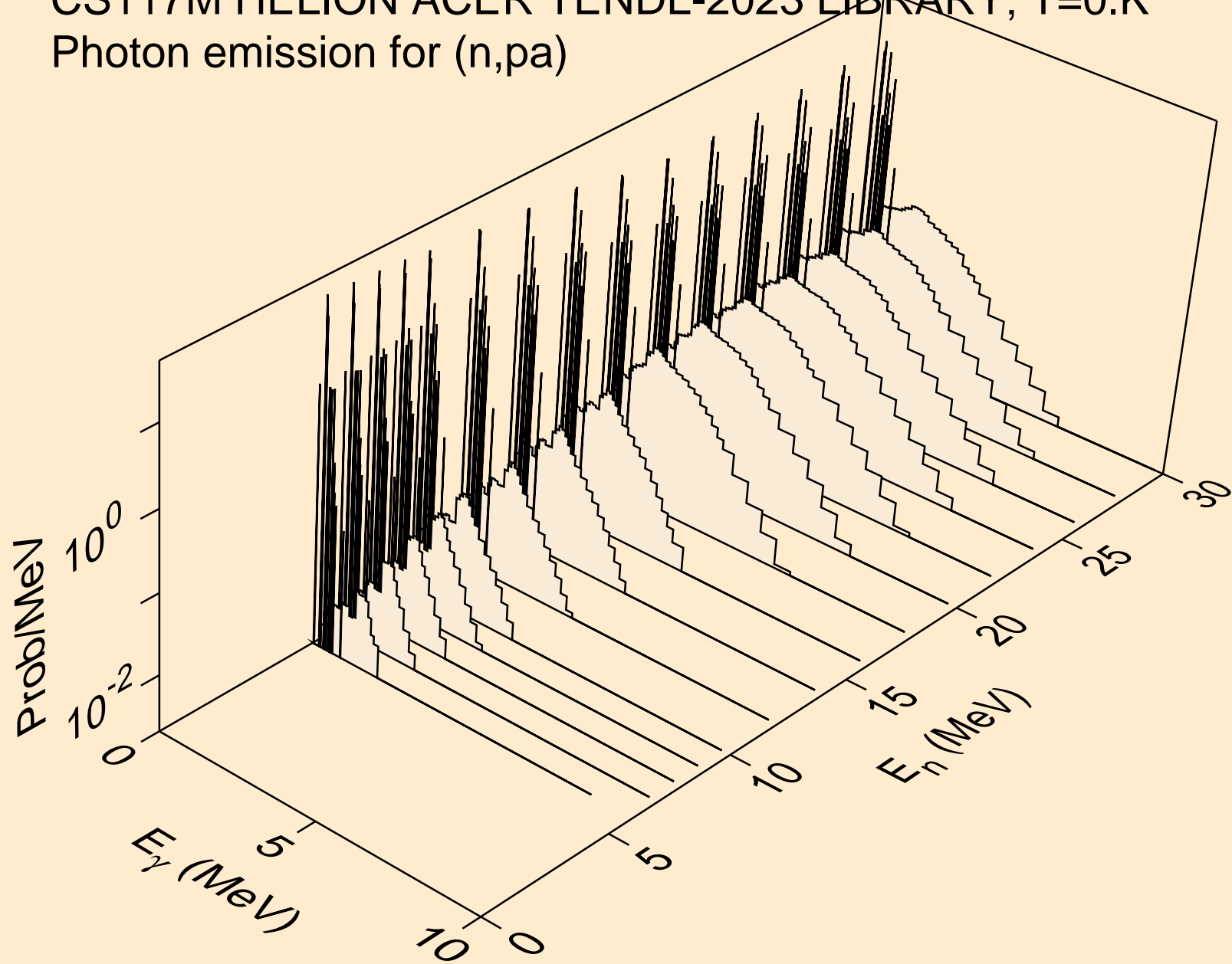
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Photon emission for (n,3a)



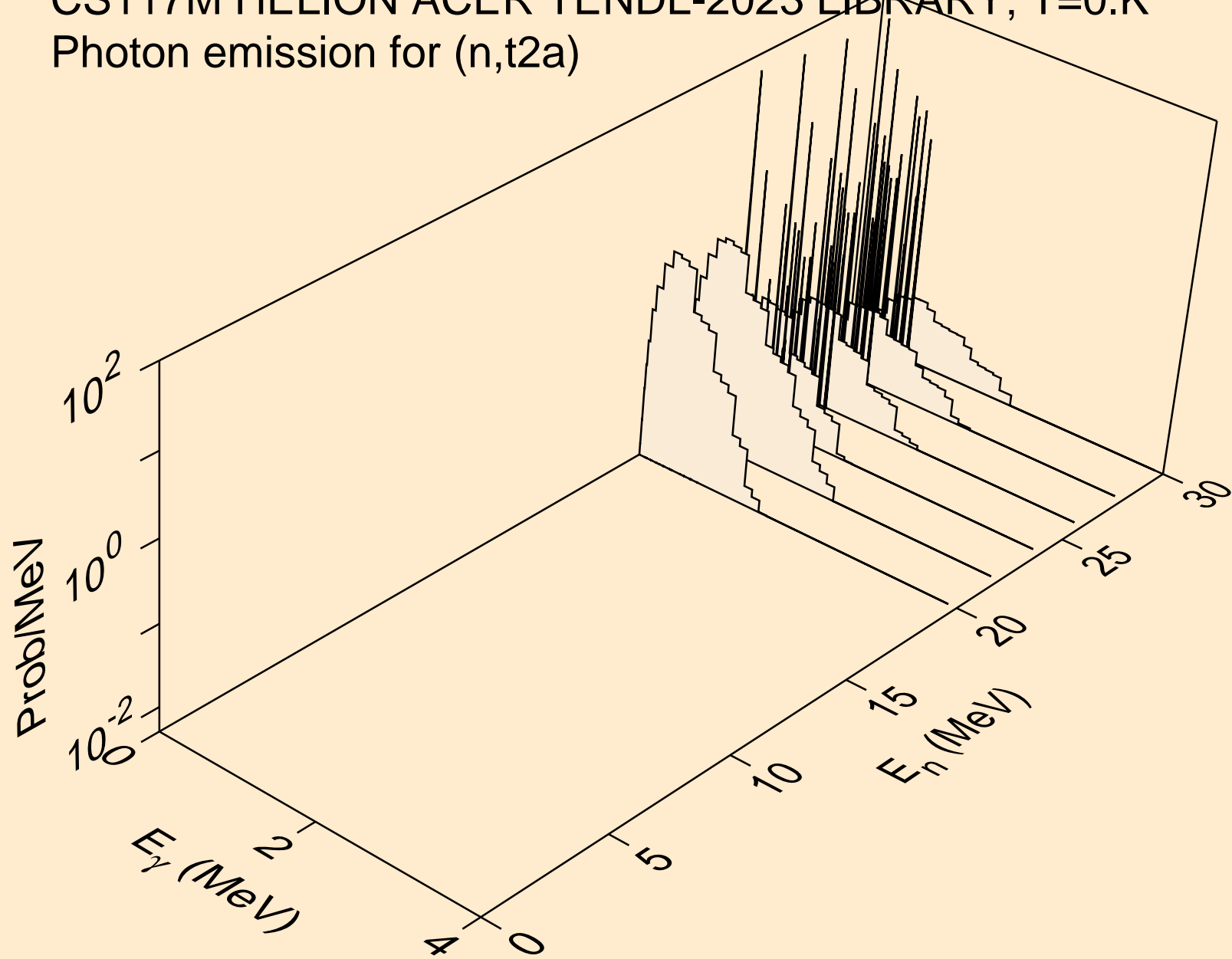
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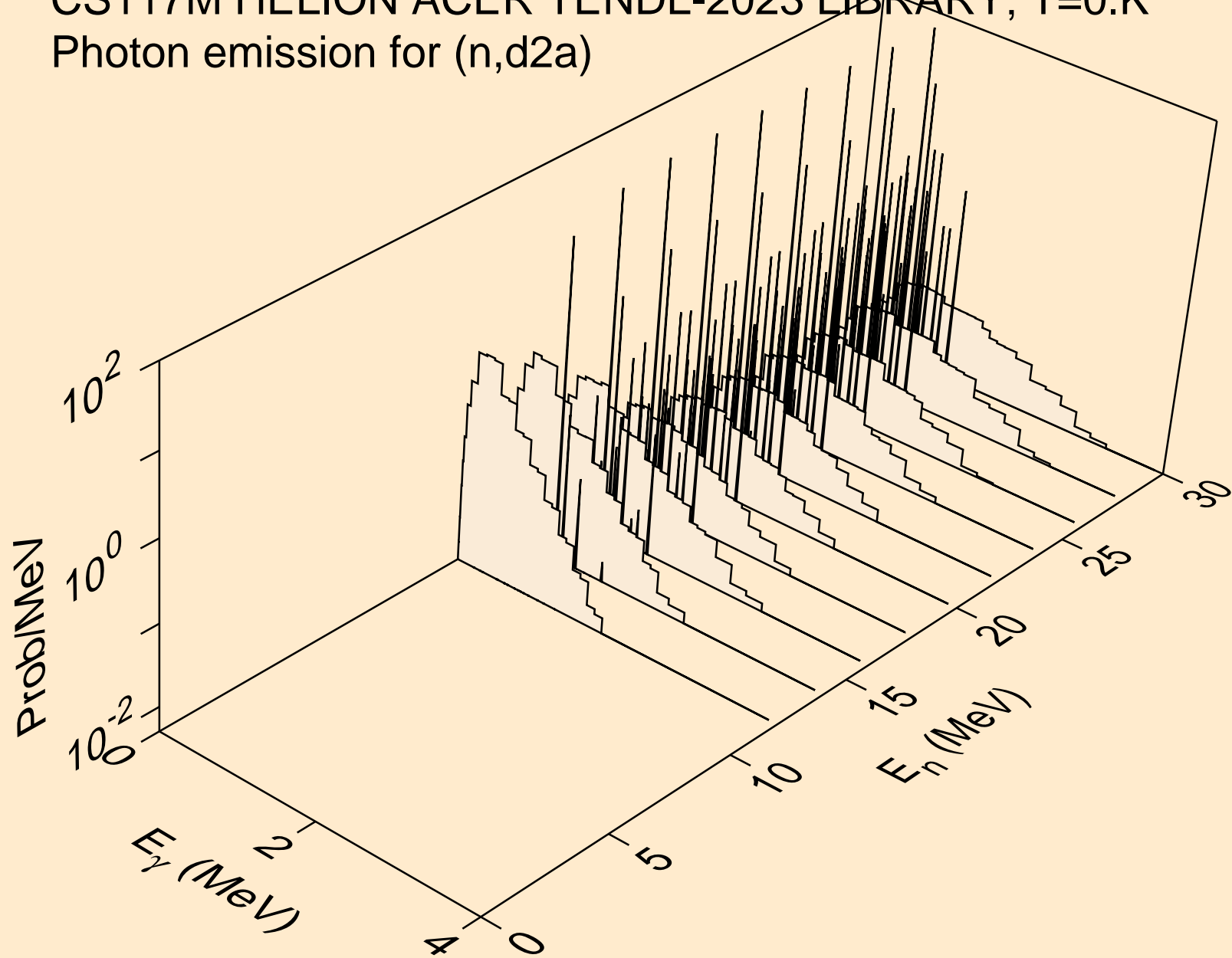
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Photon emission for (n,pa)



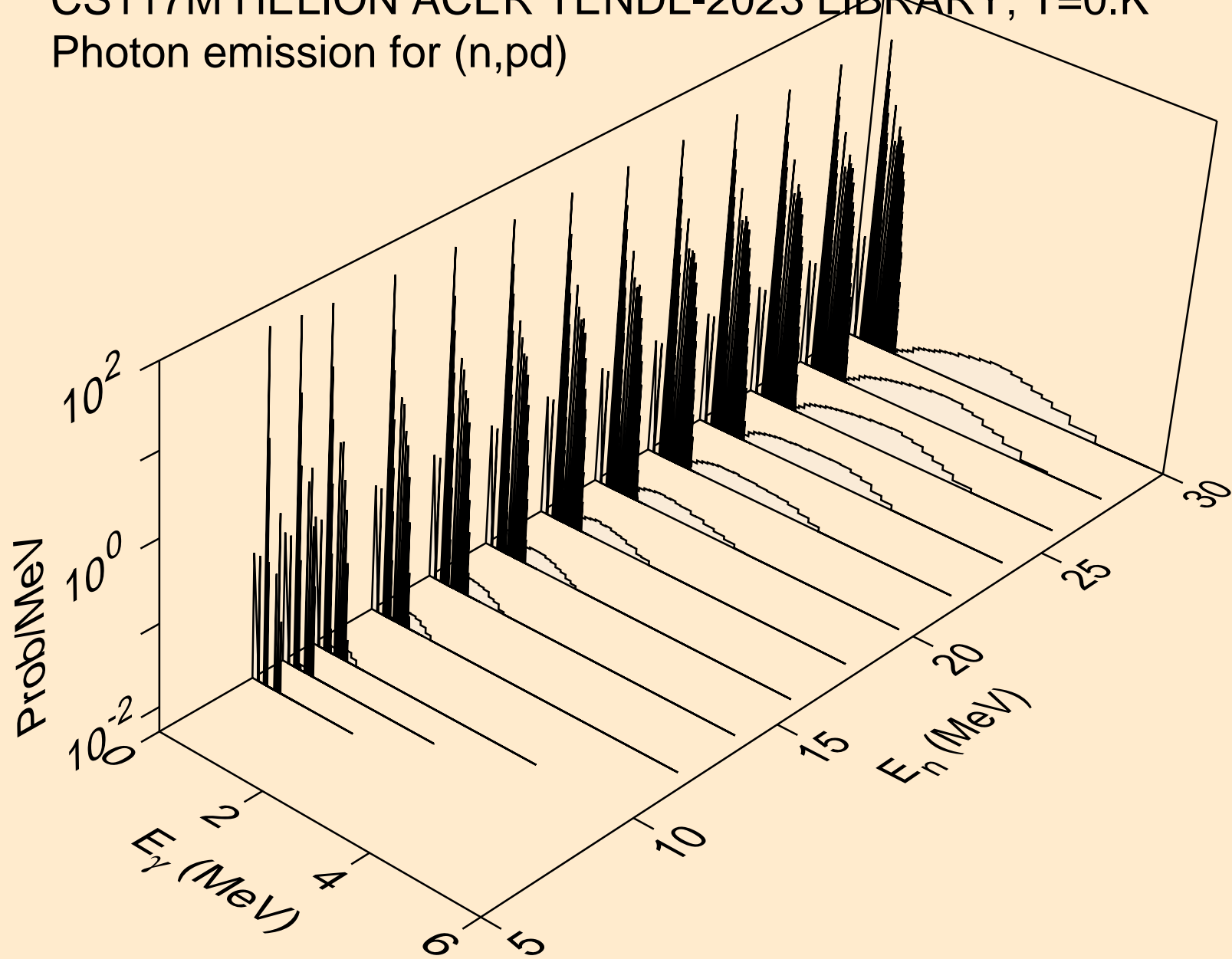
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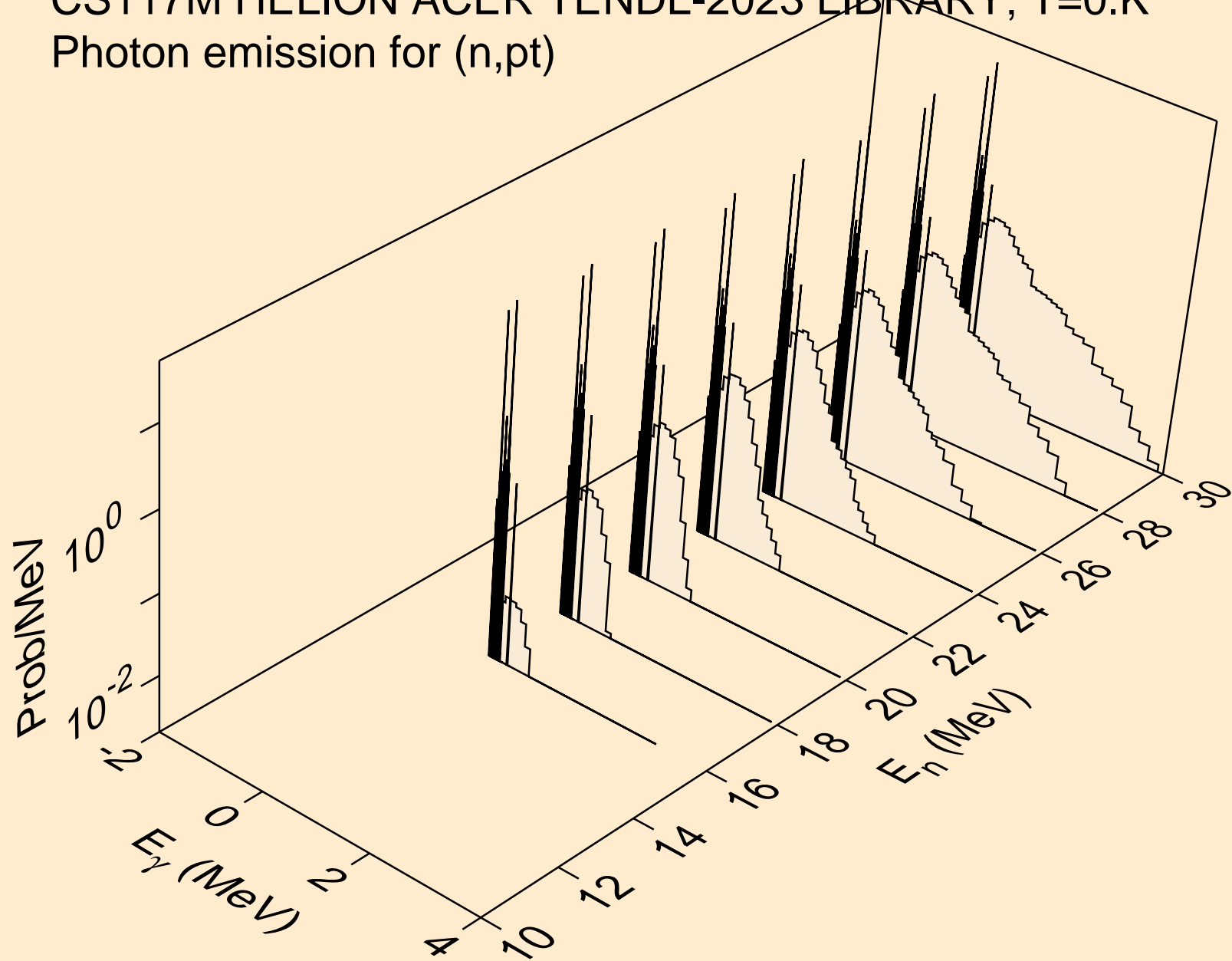
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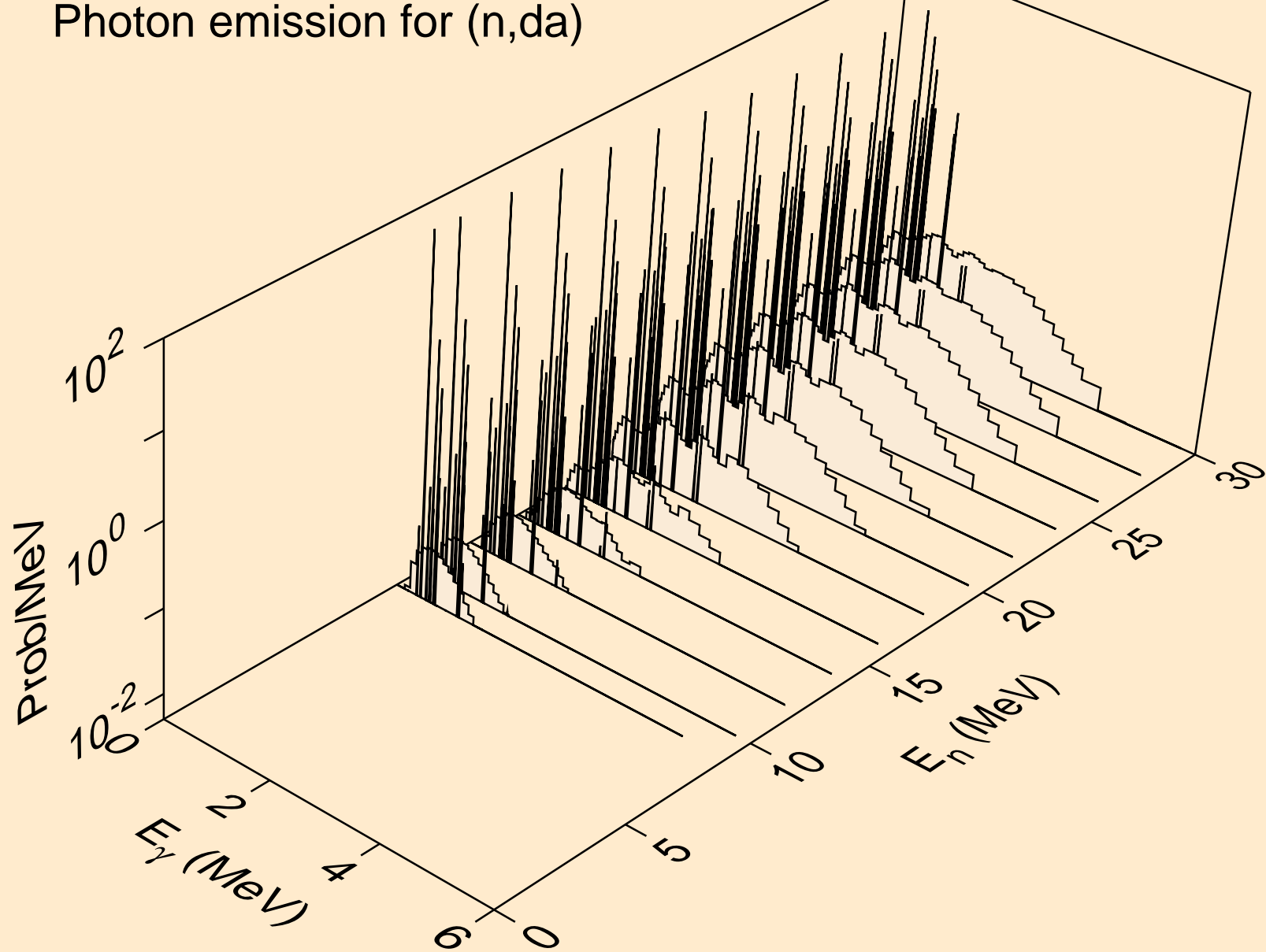
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Photon emission for (n,pd)



CS117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

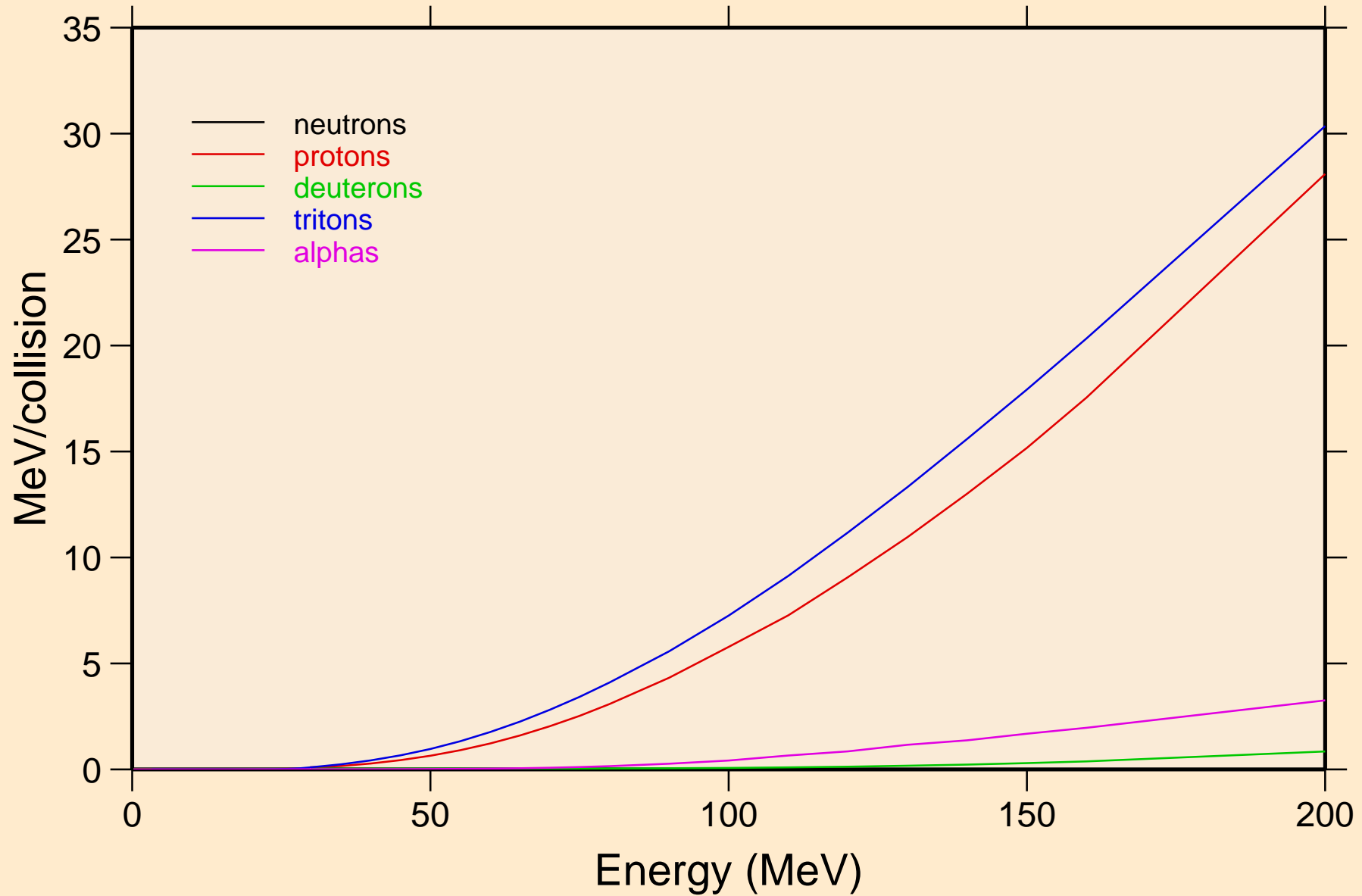


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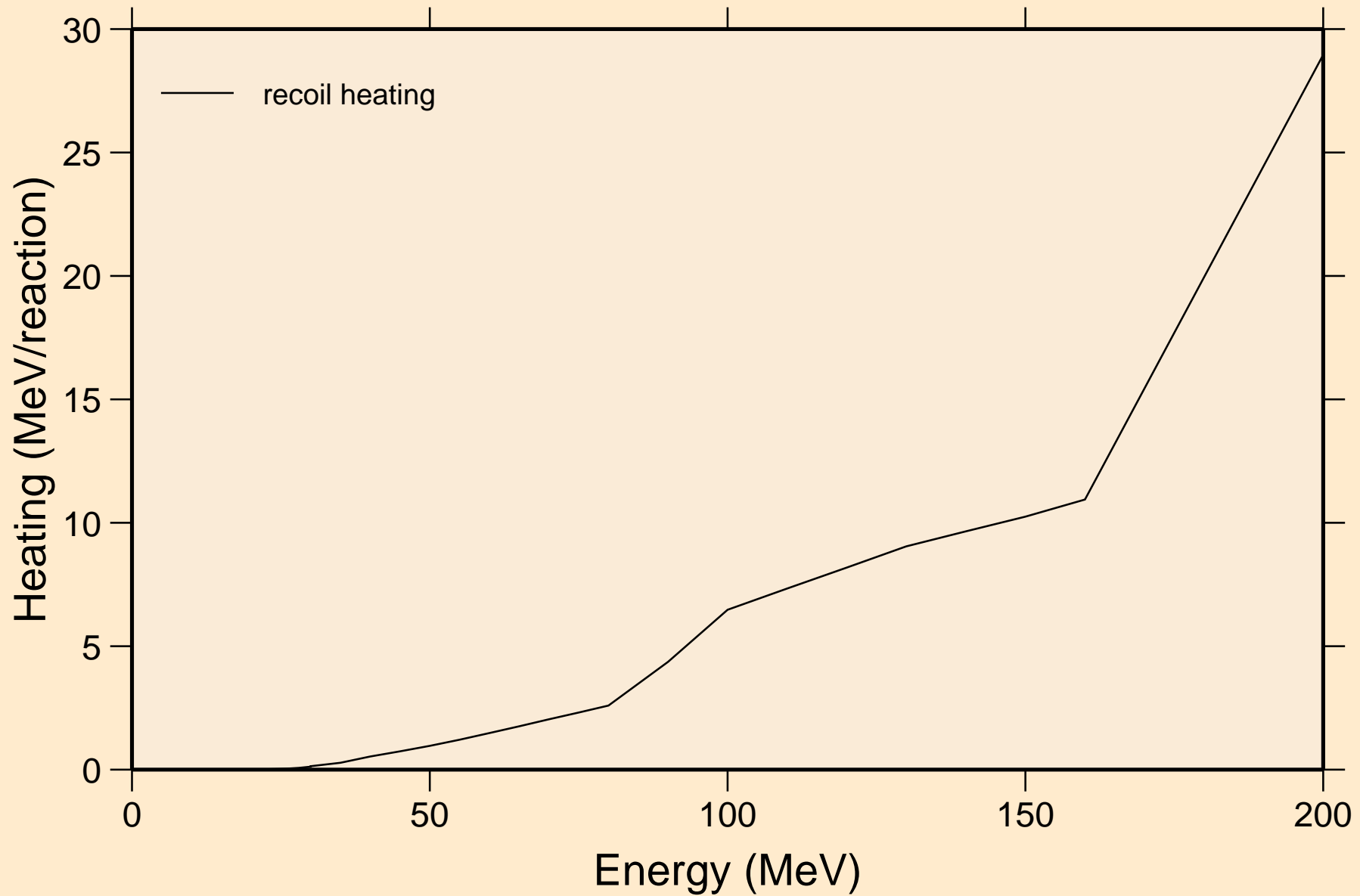


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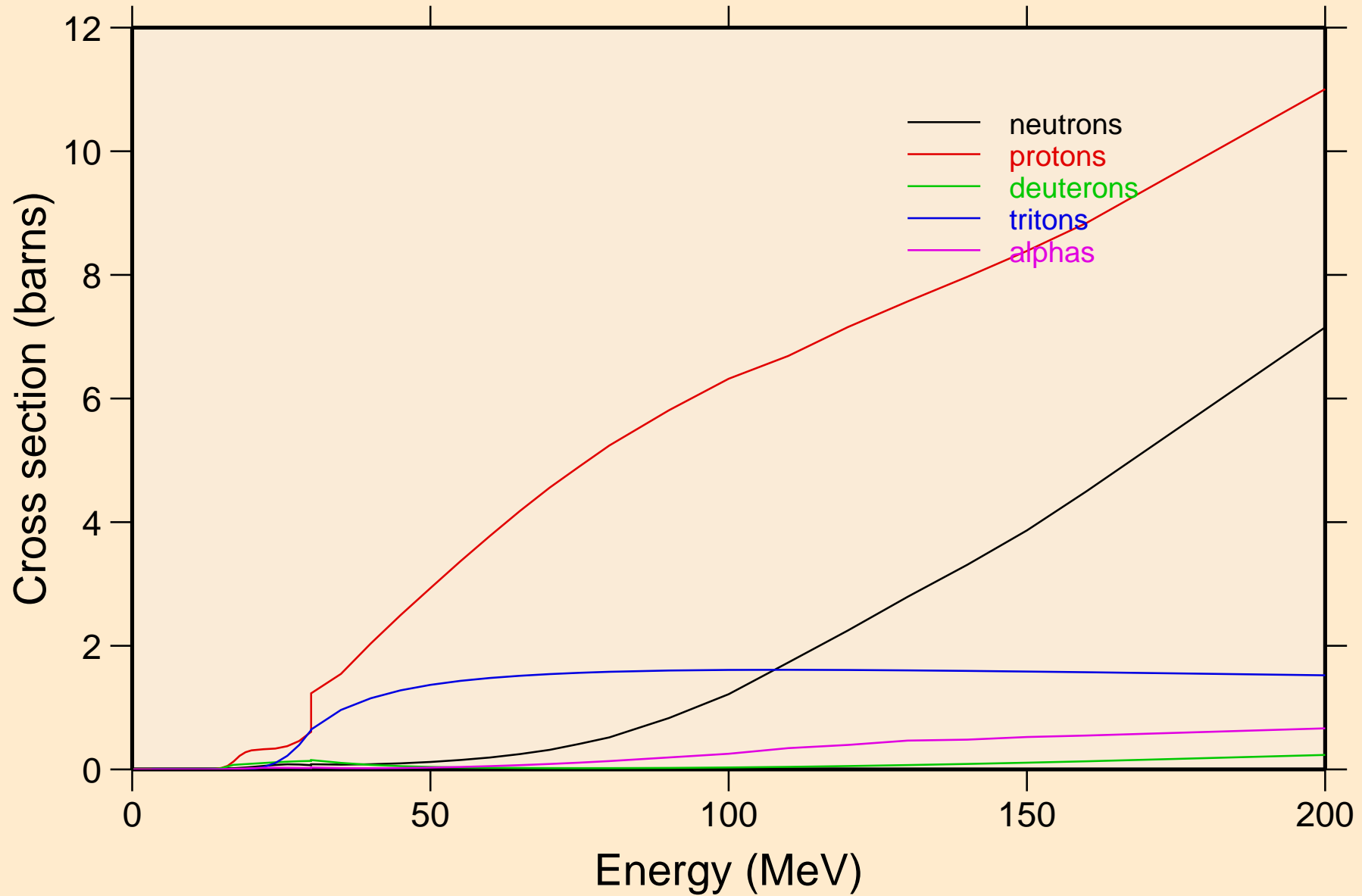
## Particle heating contributions



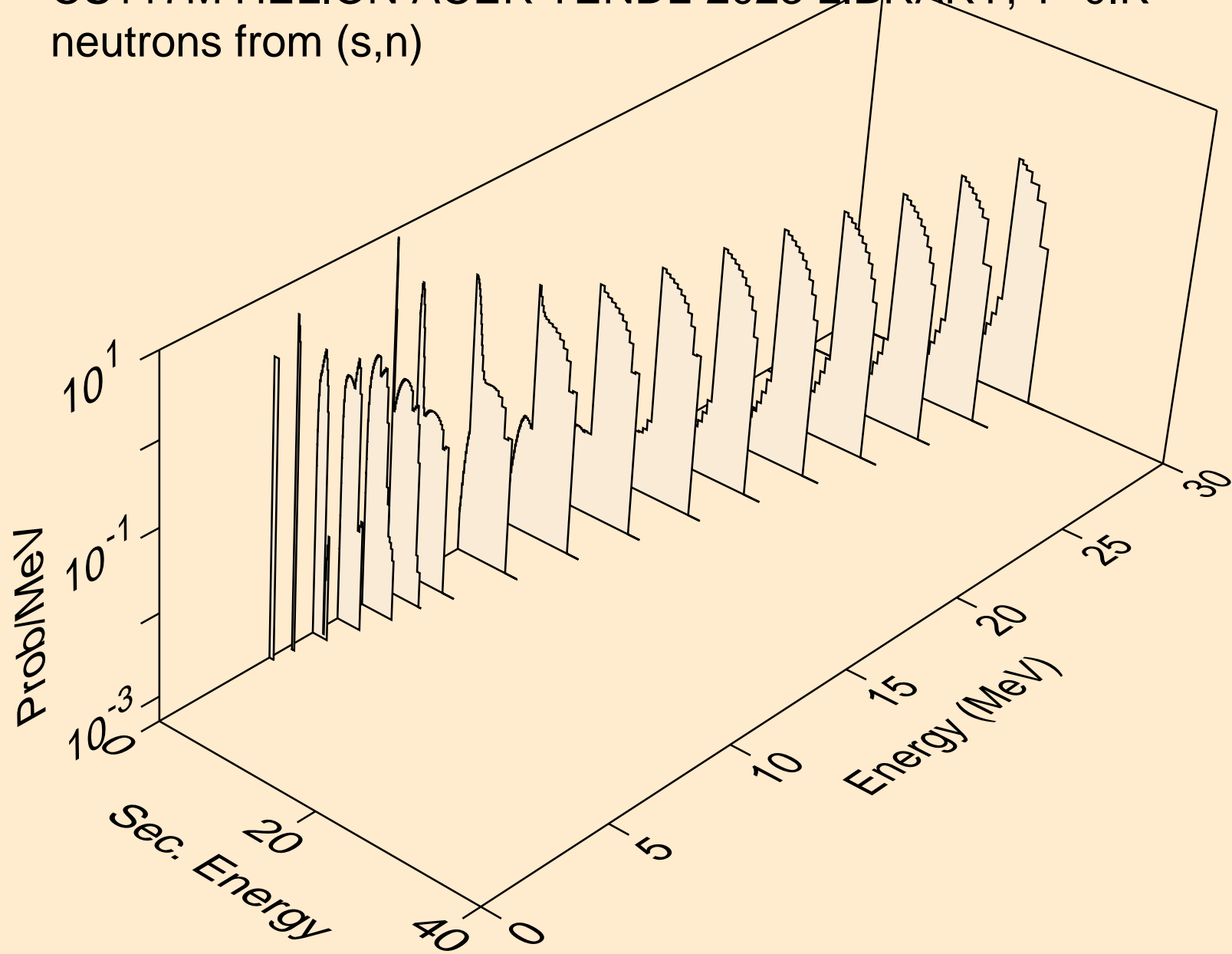
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Recoil Heating



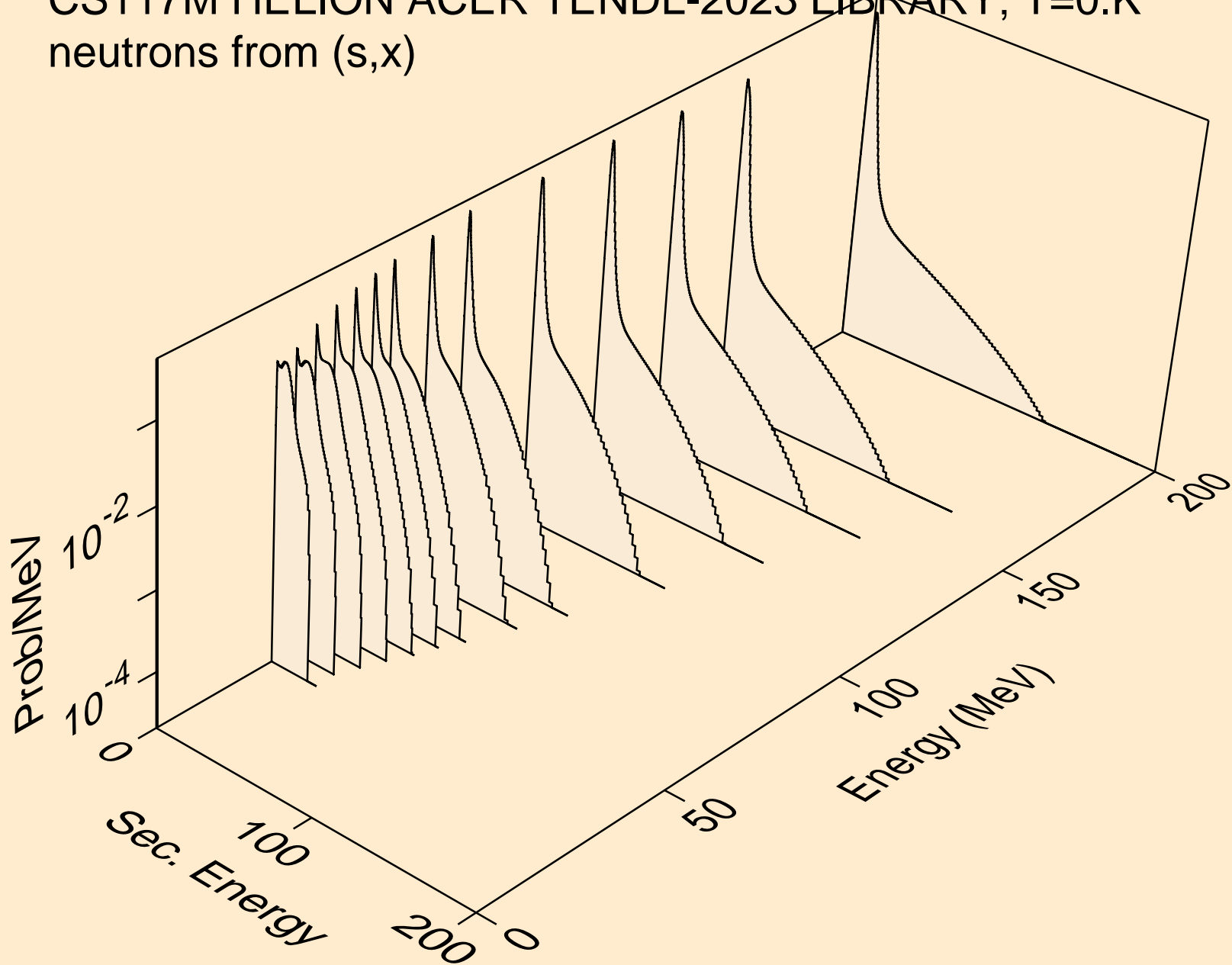
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Particle production cross sections



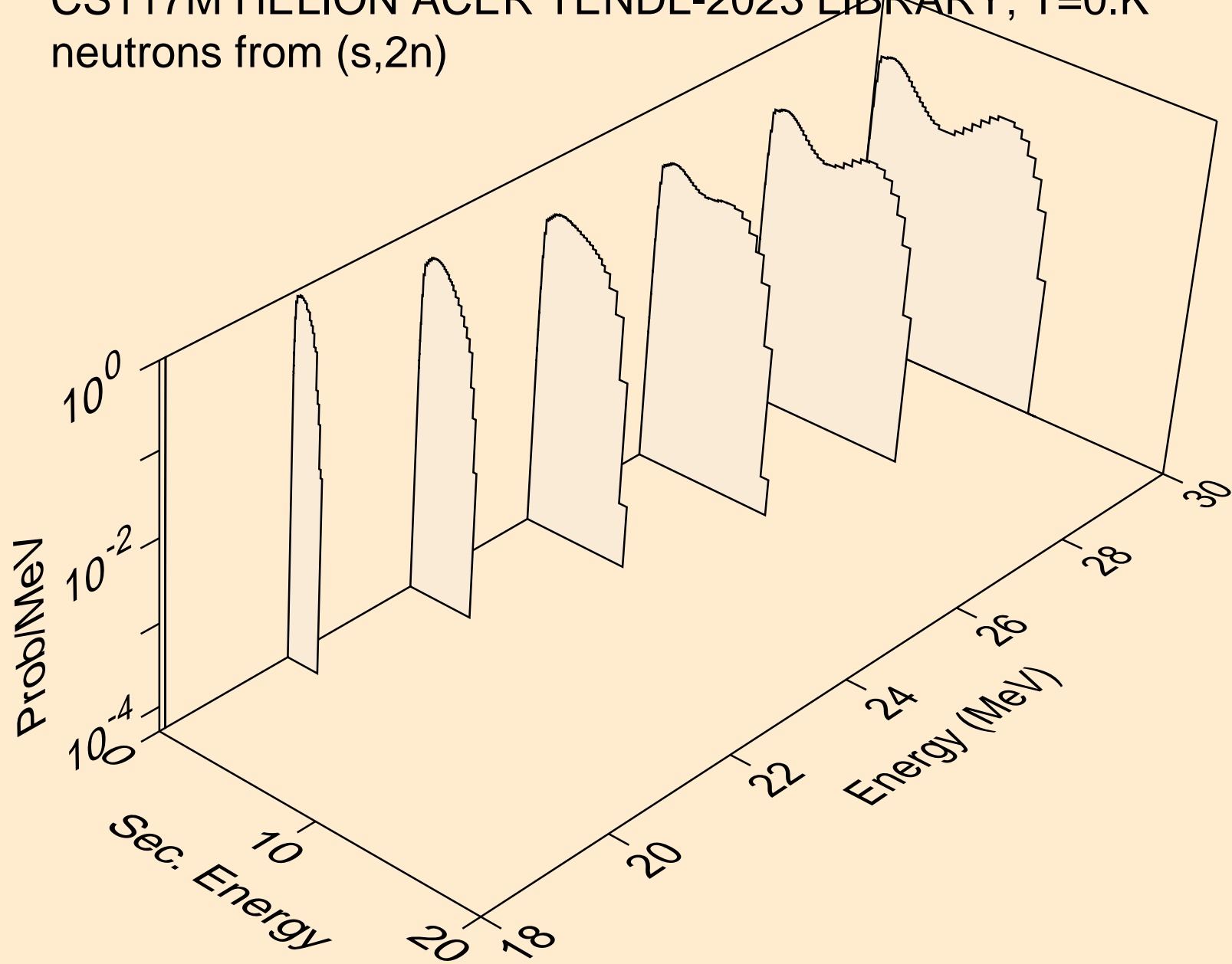
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neutrons from (s,n)



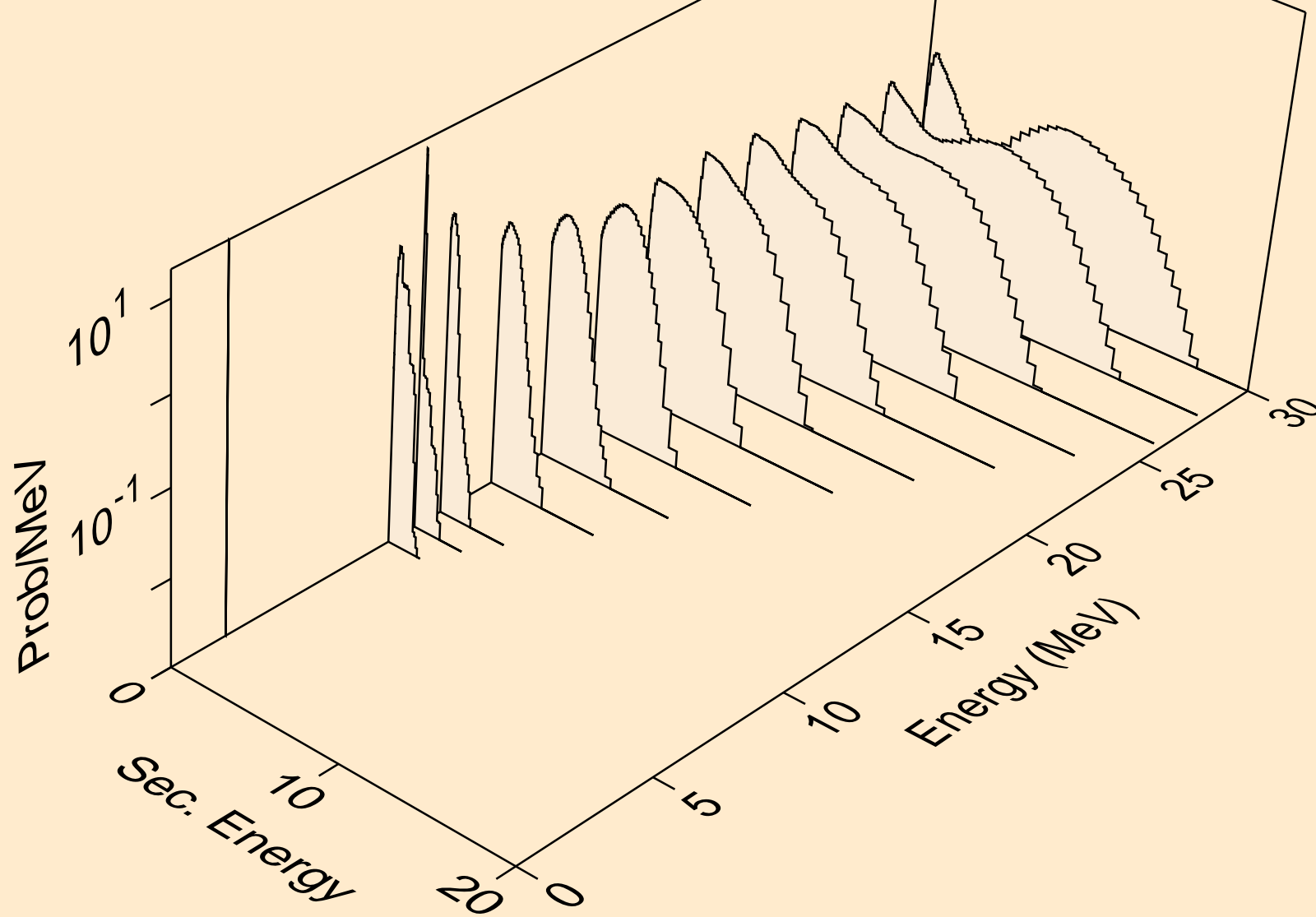
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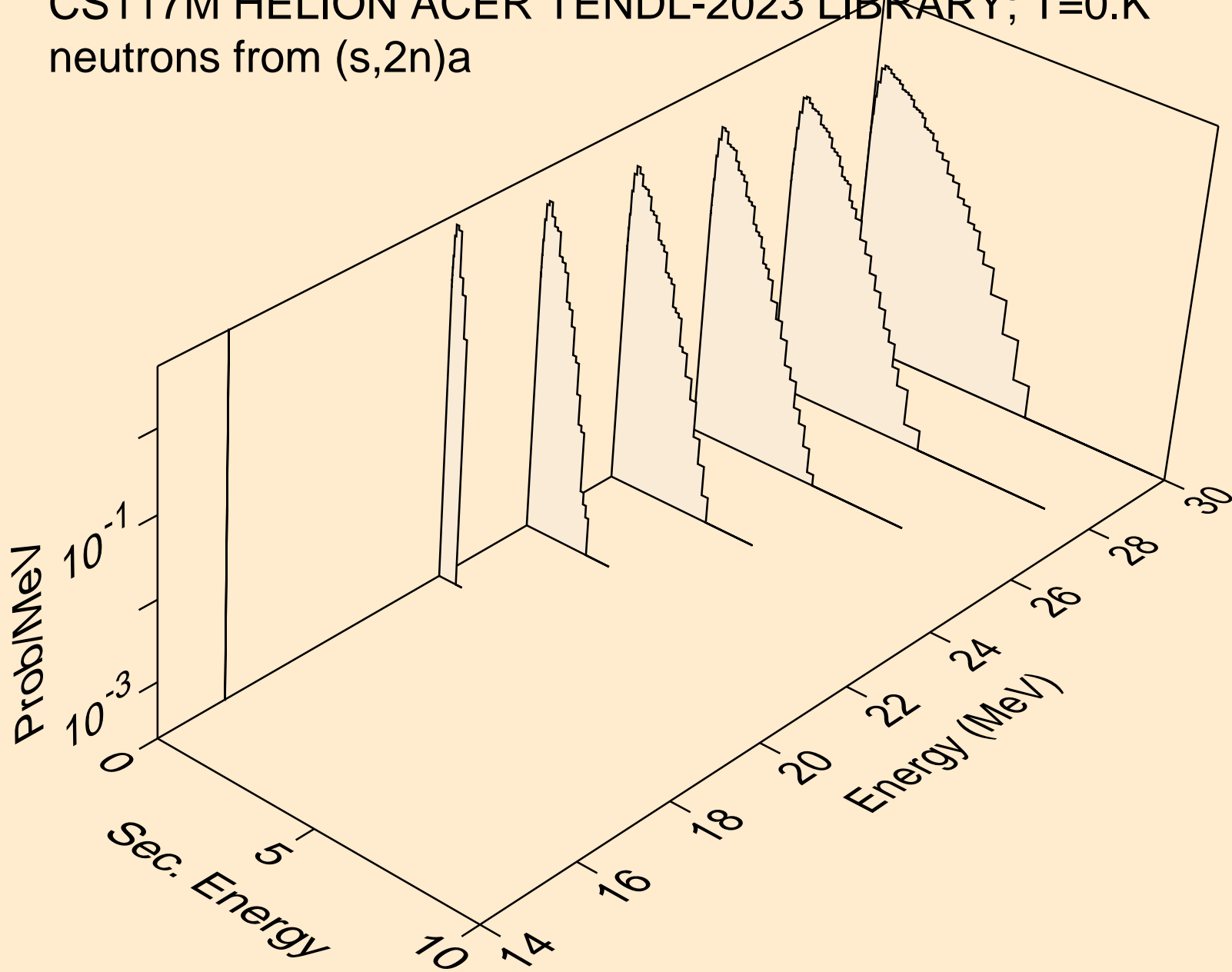
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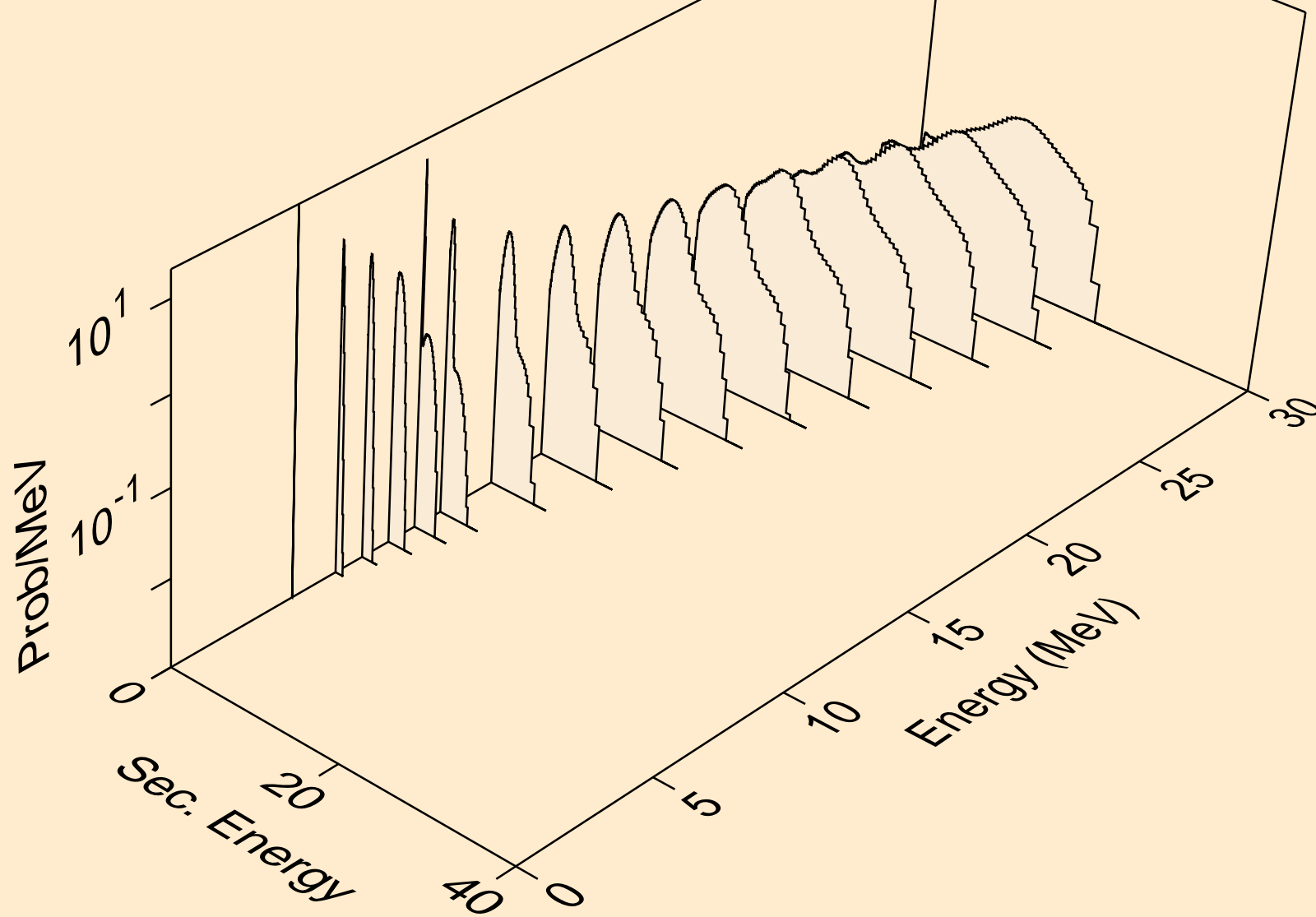
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neutrons from (s,n\*)a



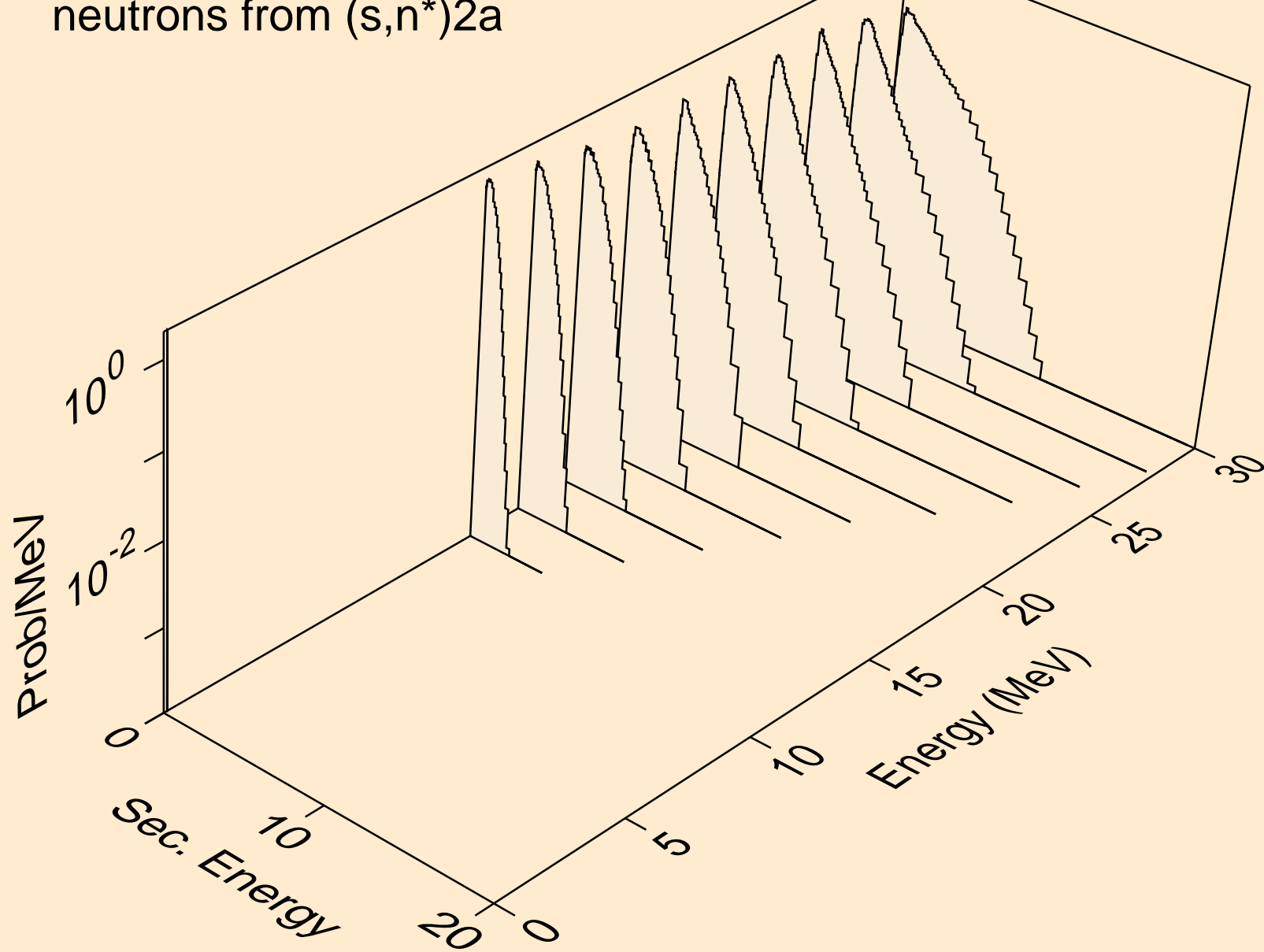
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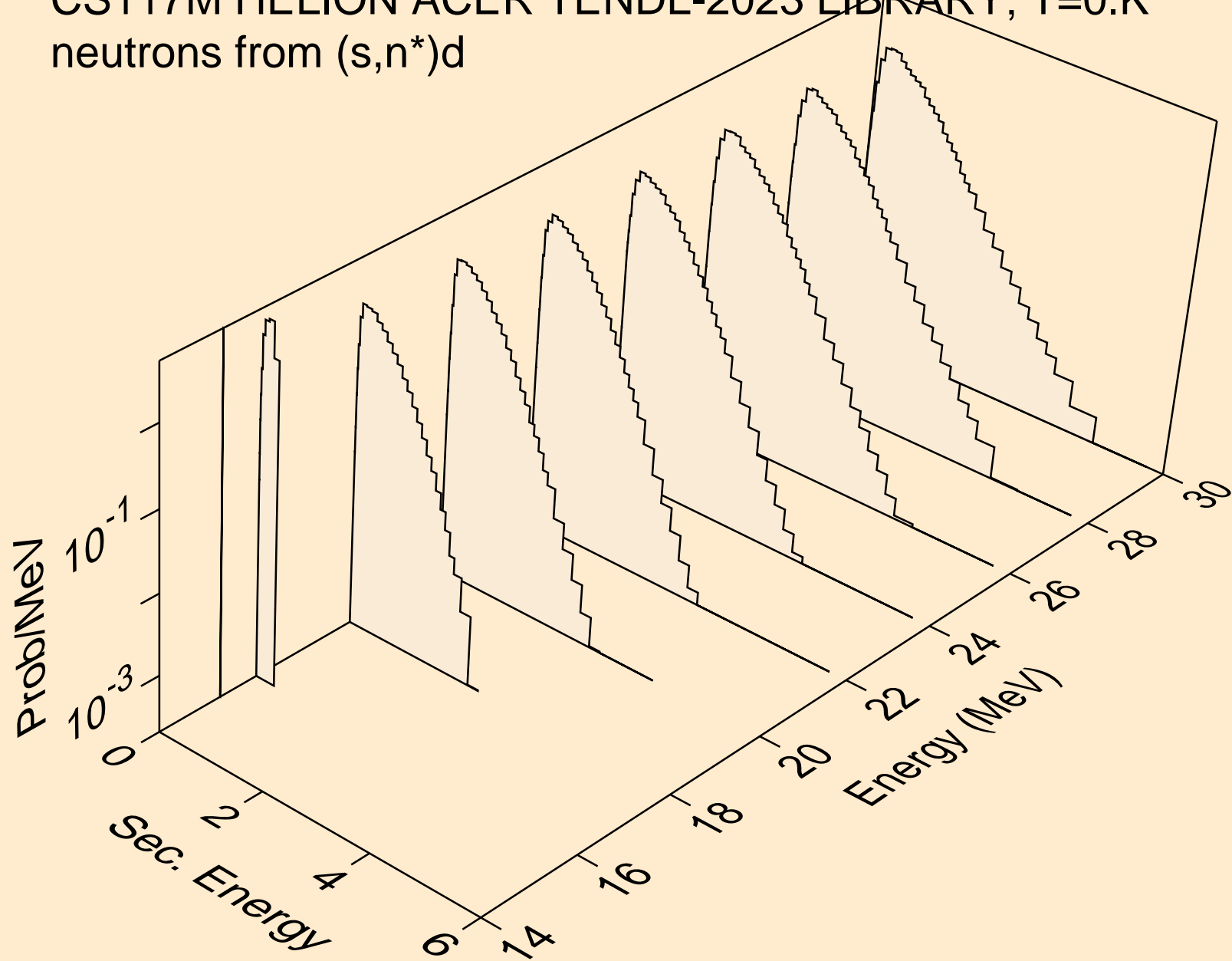
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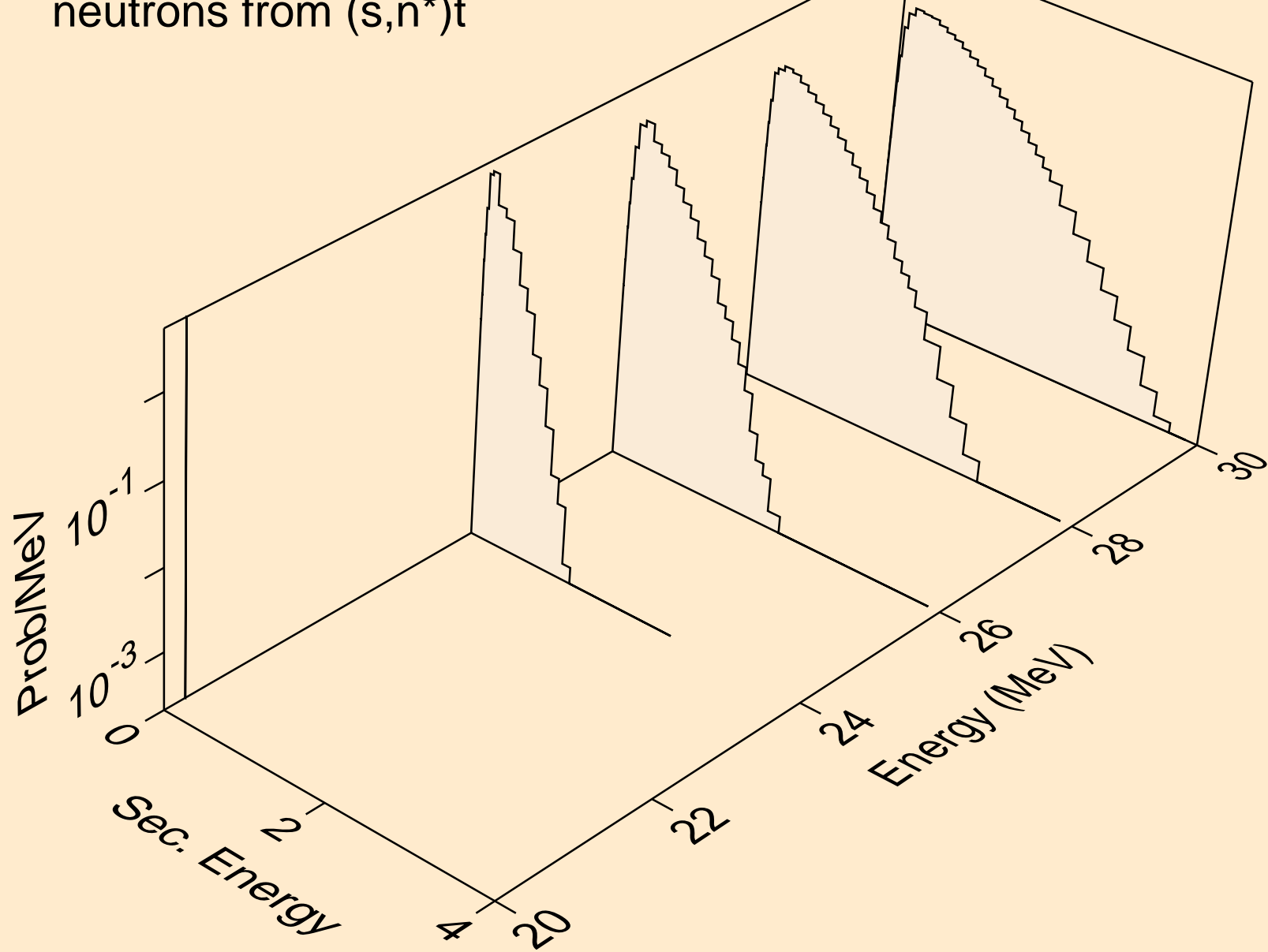
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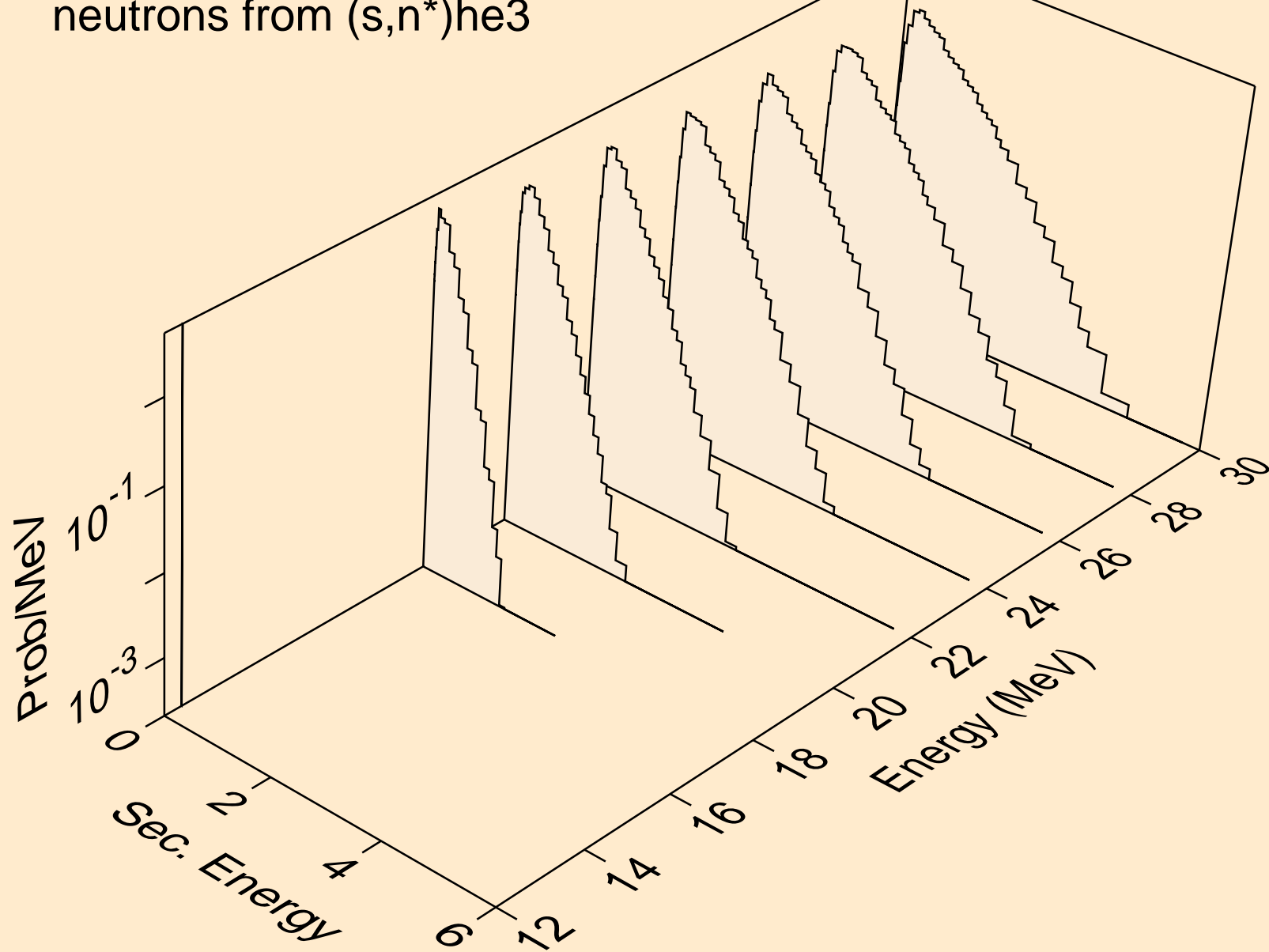
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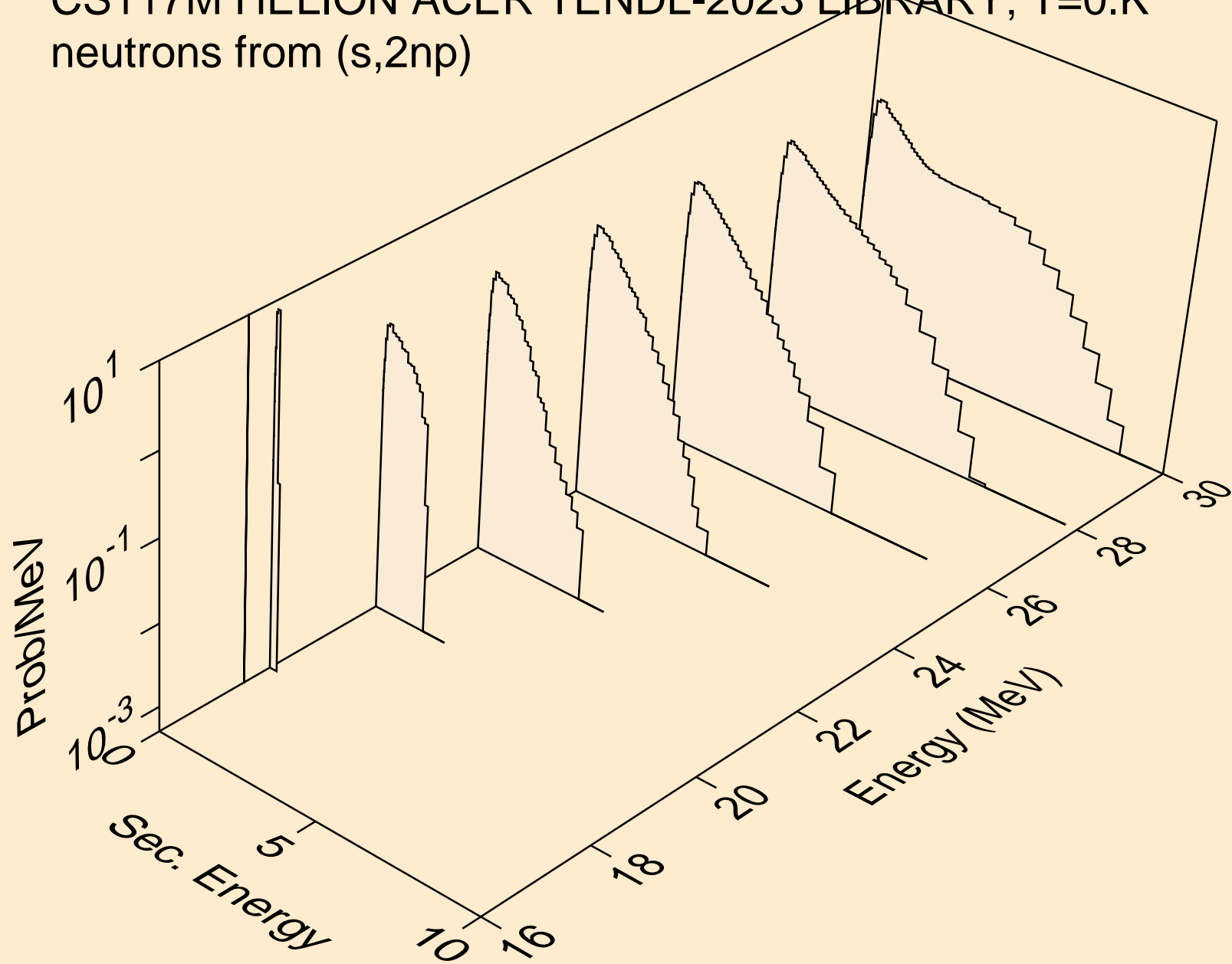
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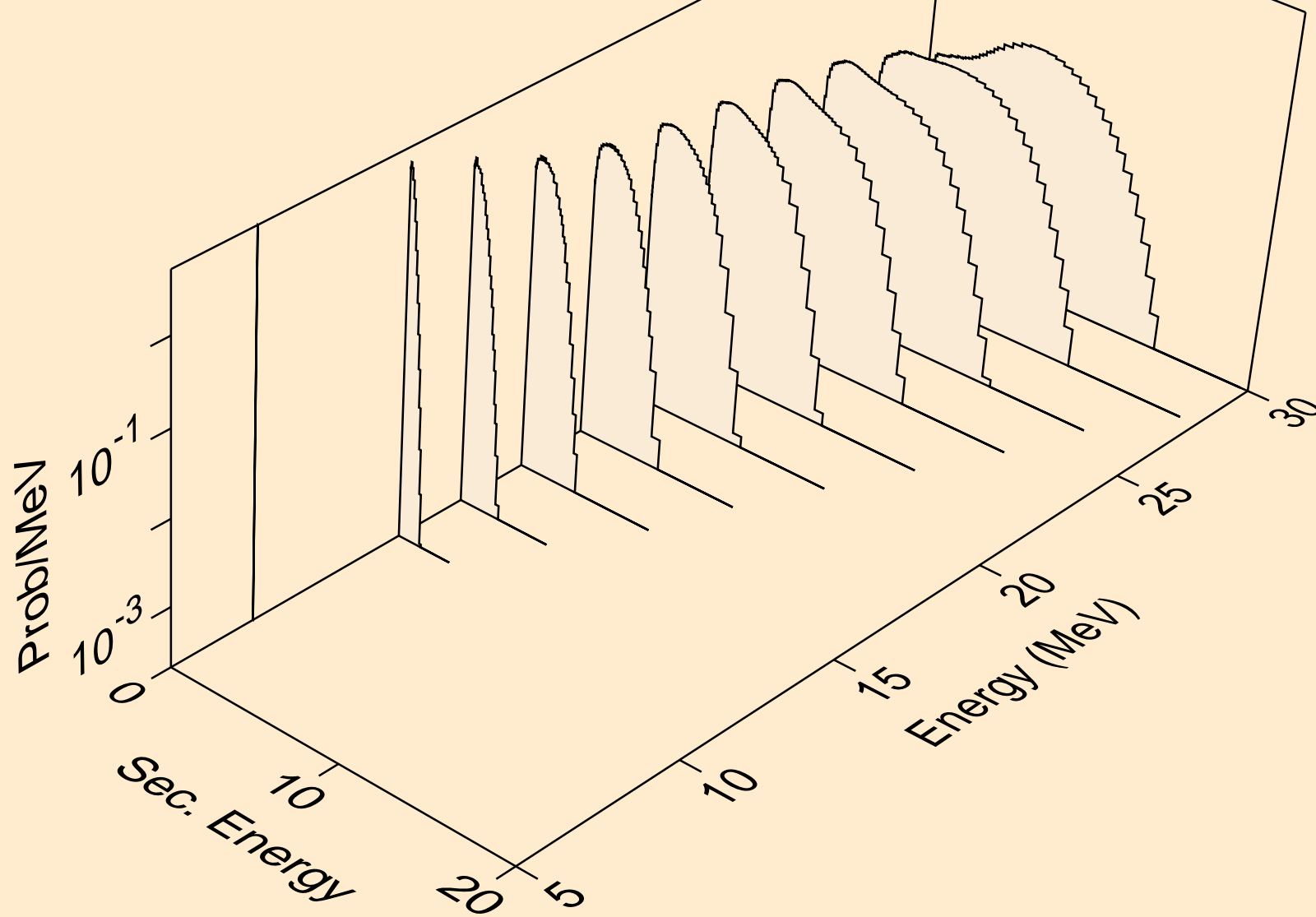
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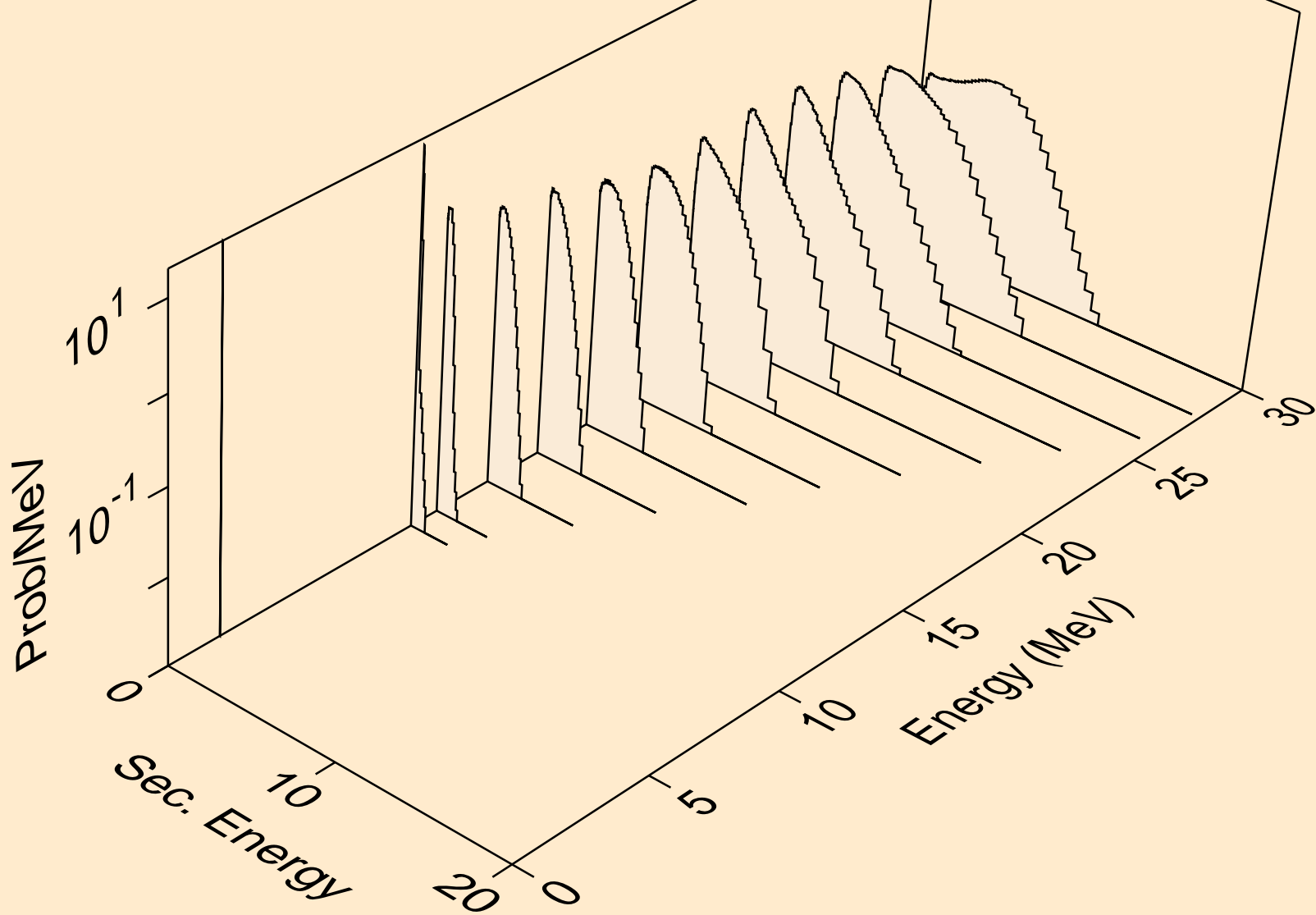
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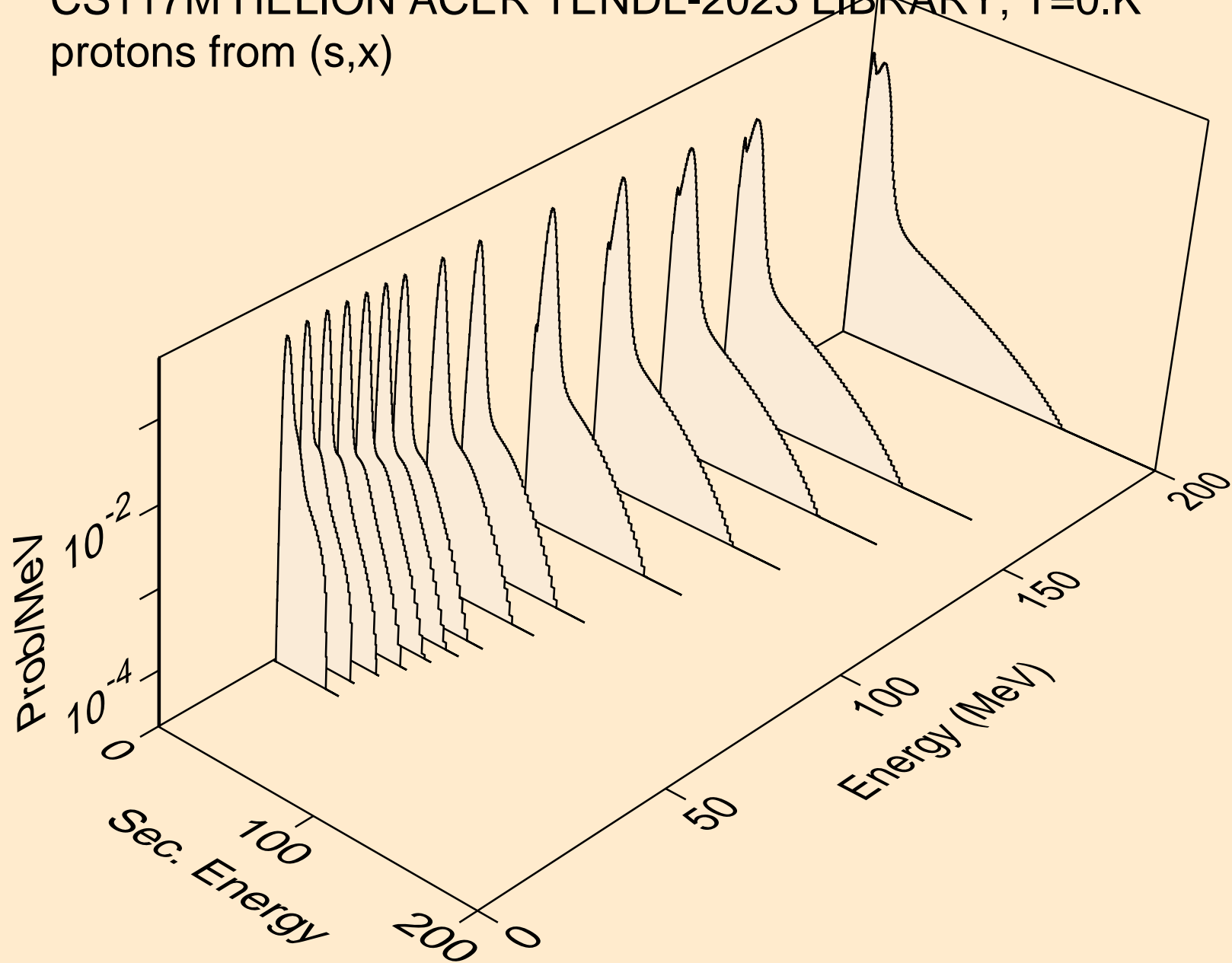
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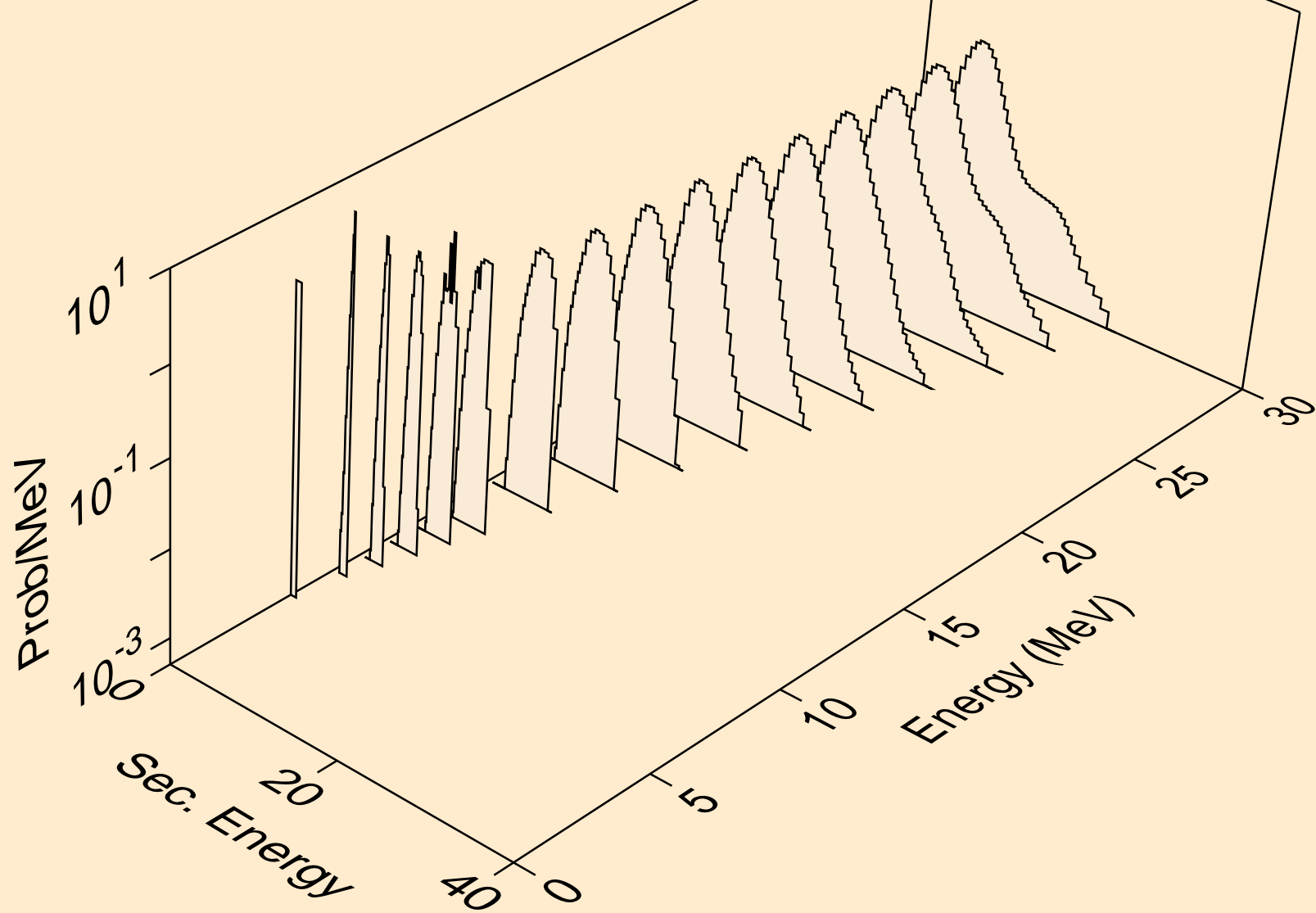
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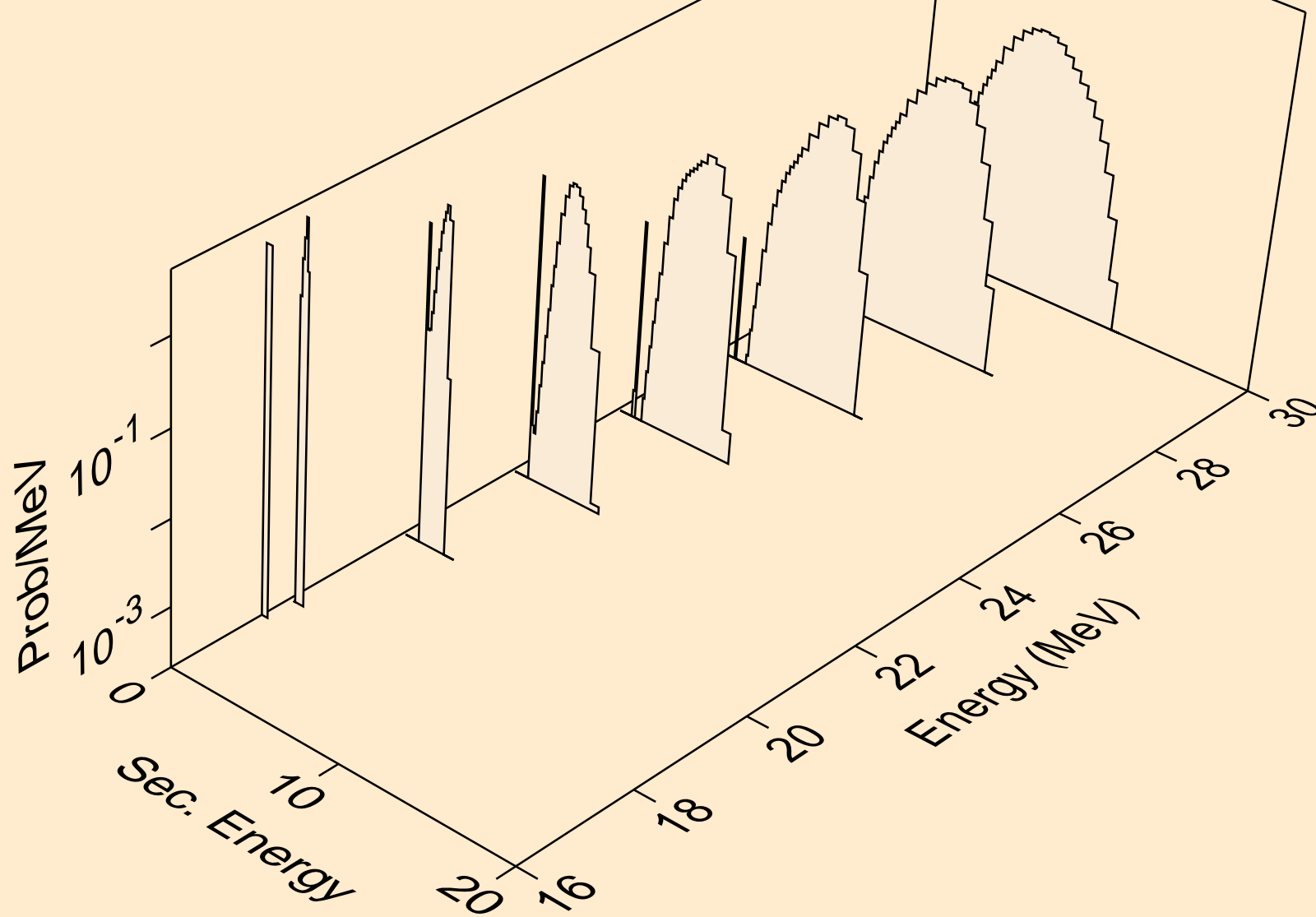
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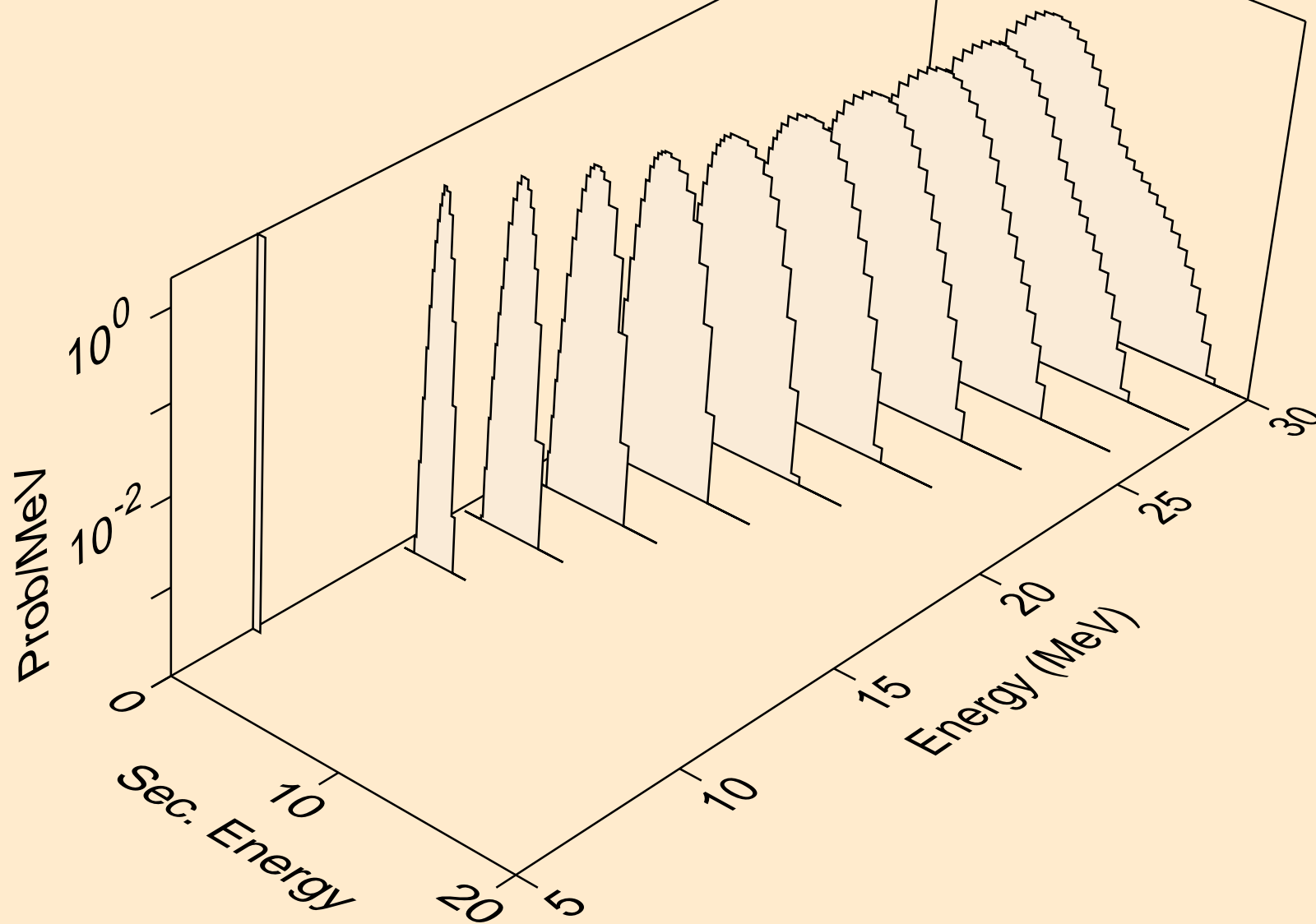
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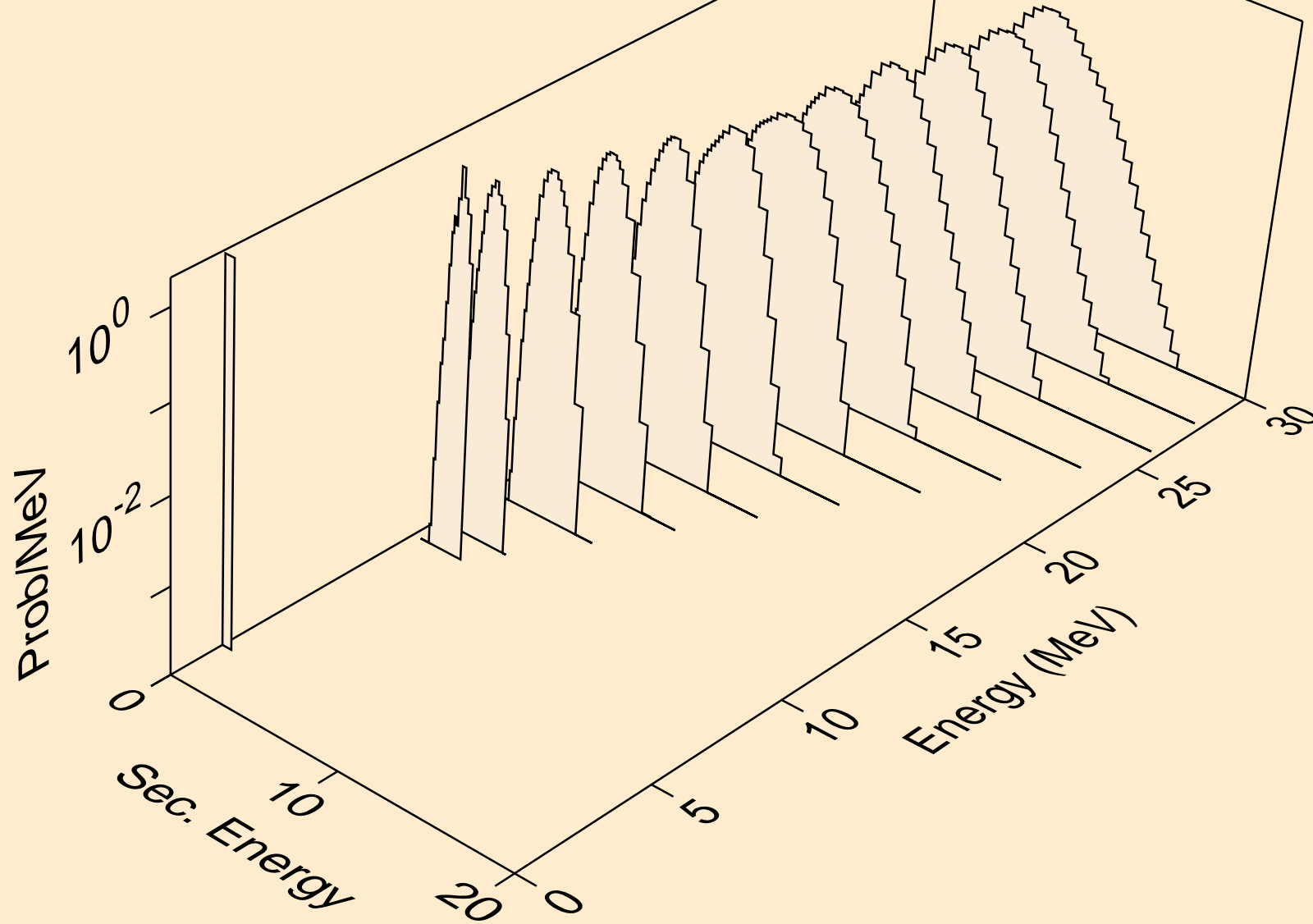
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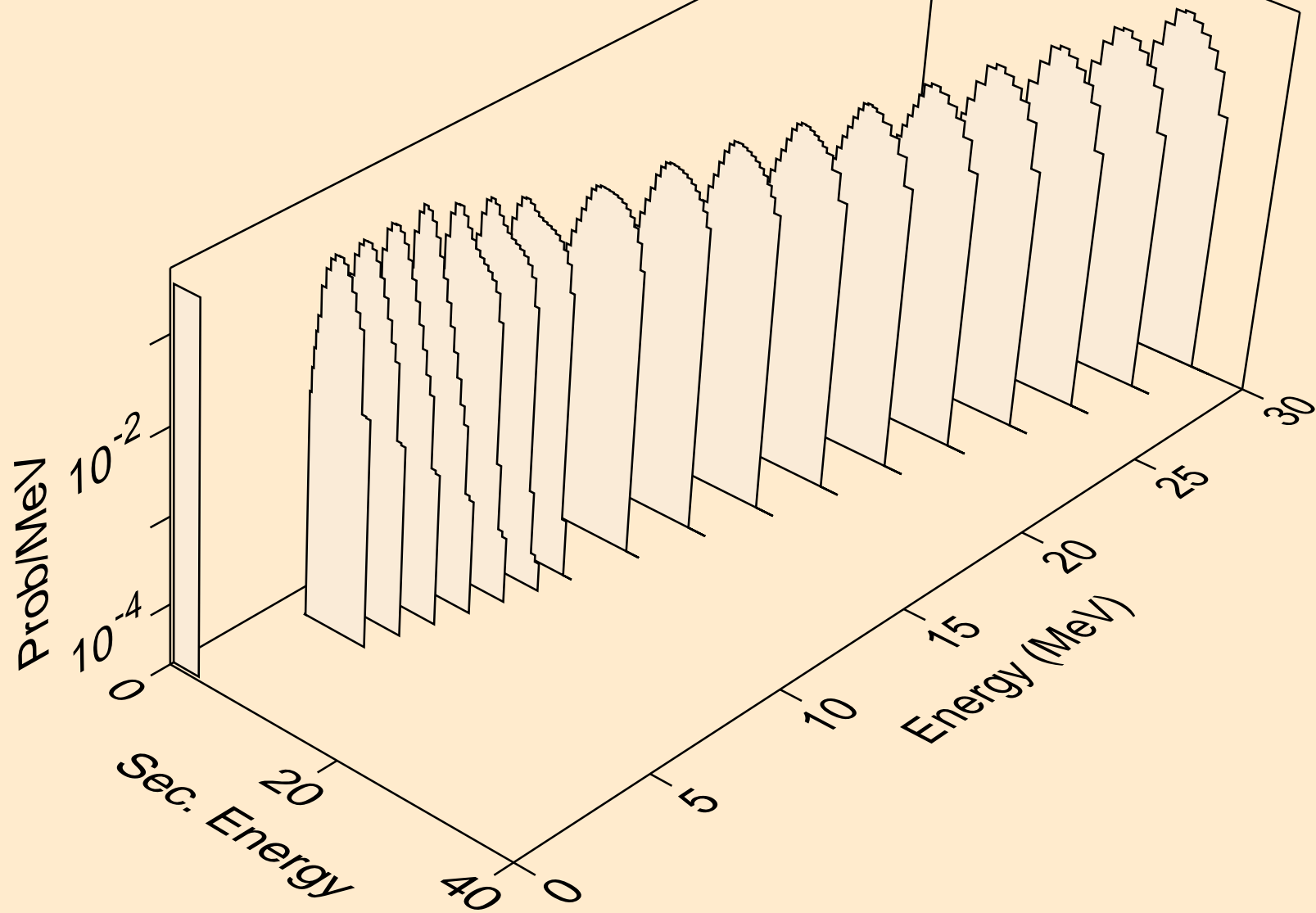
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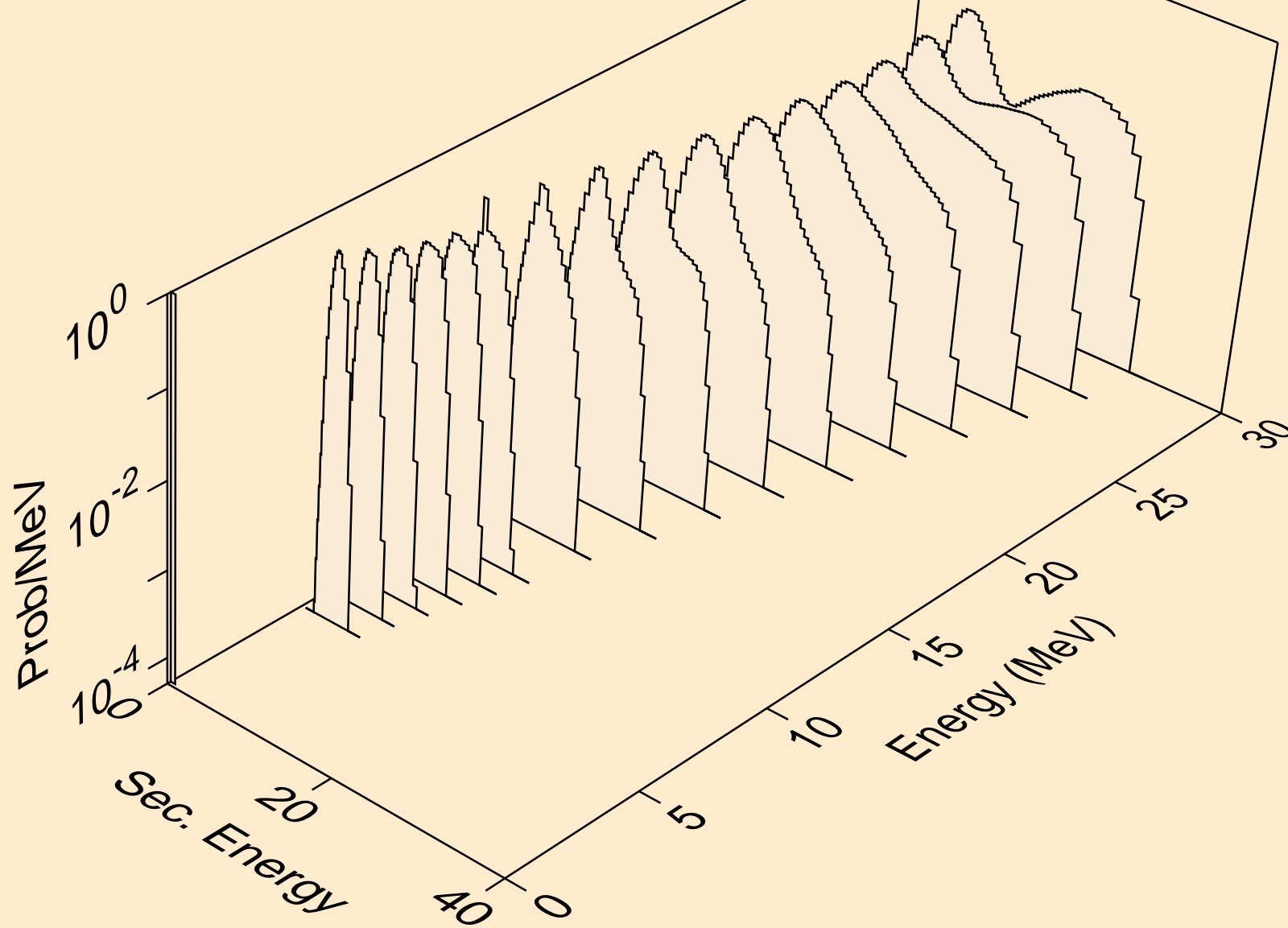
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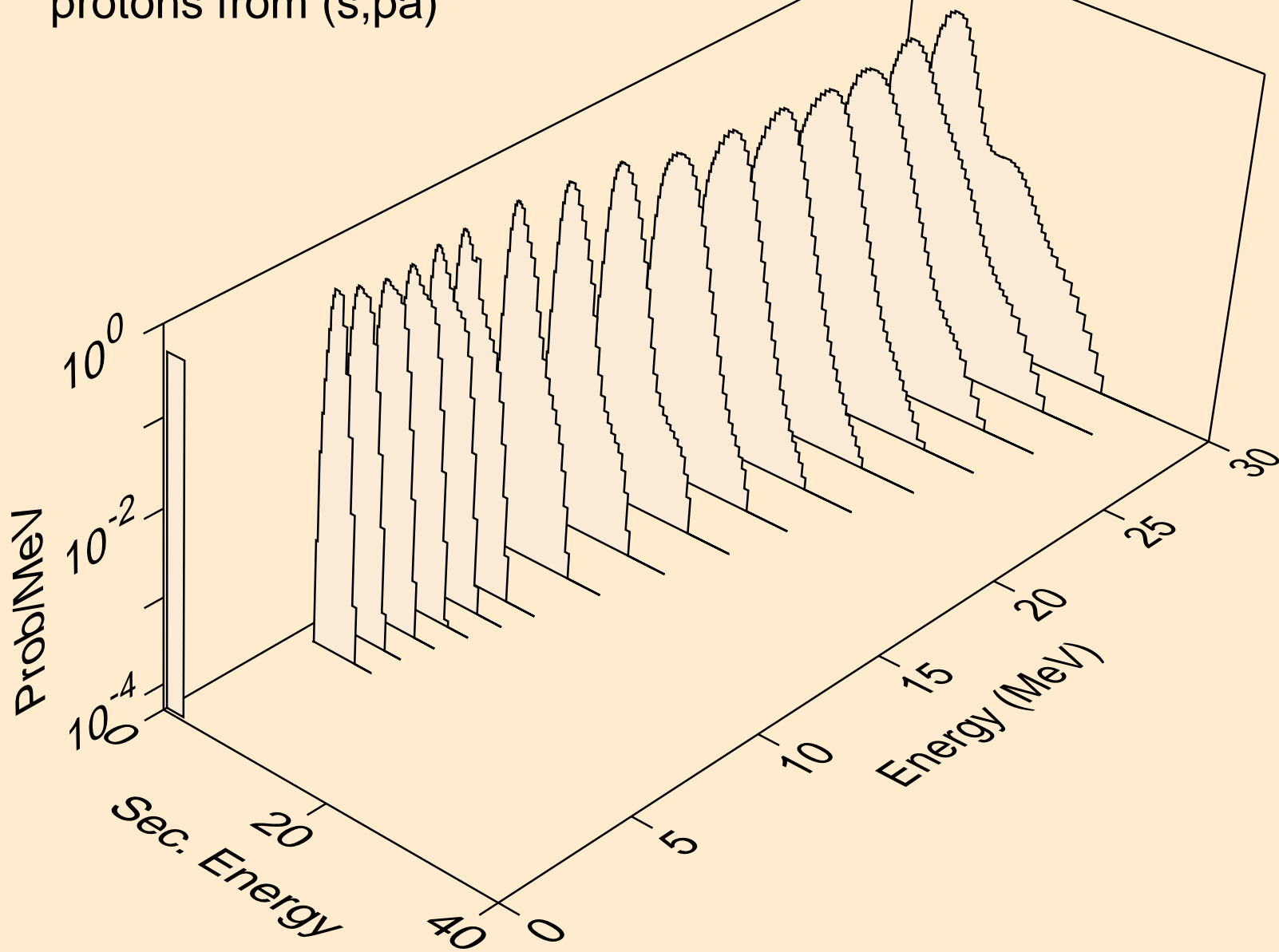
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protons from (s,p)



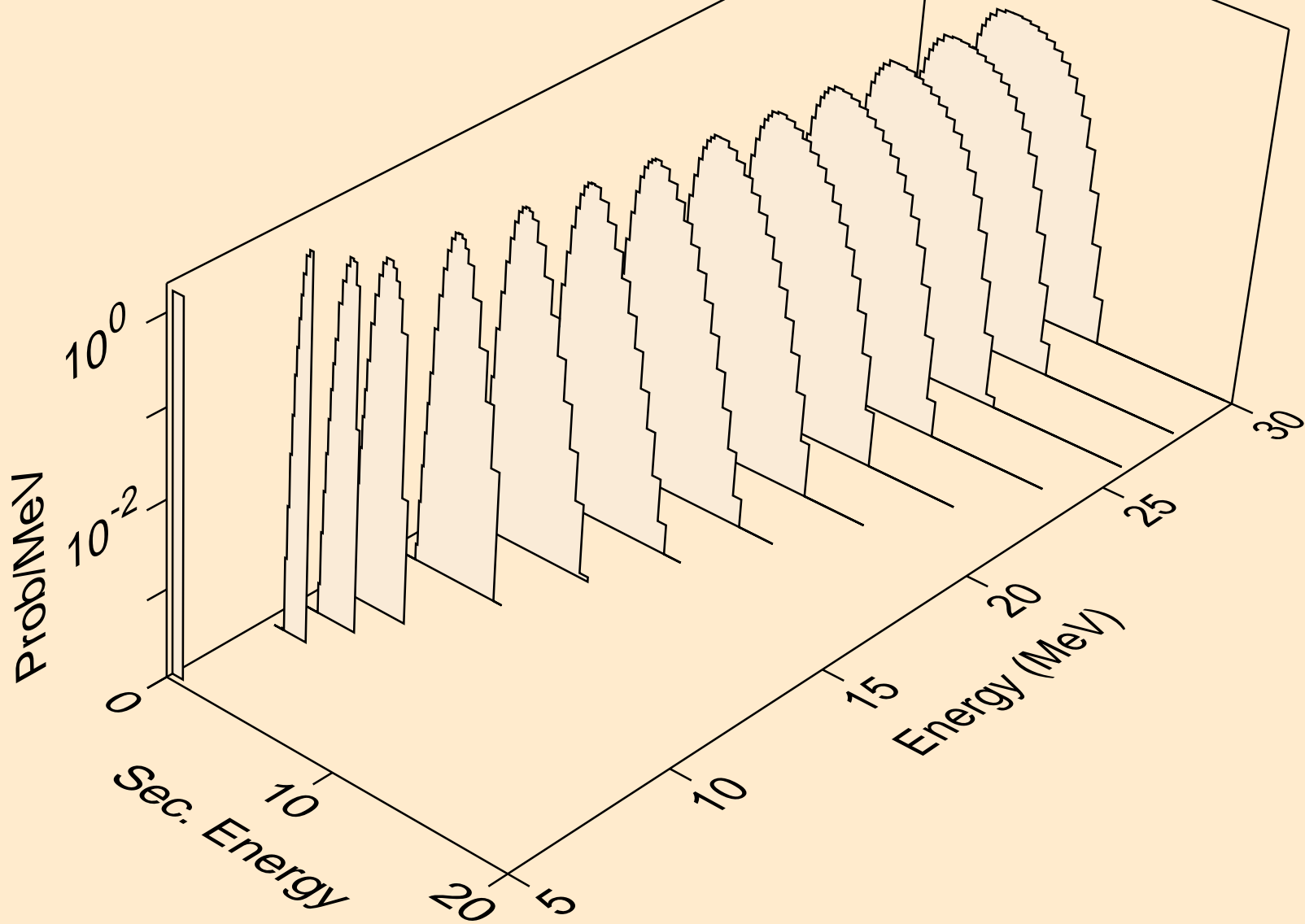
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protons from (s,2p)



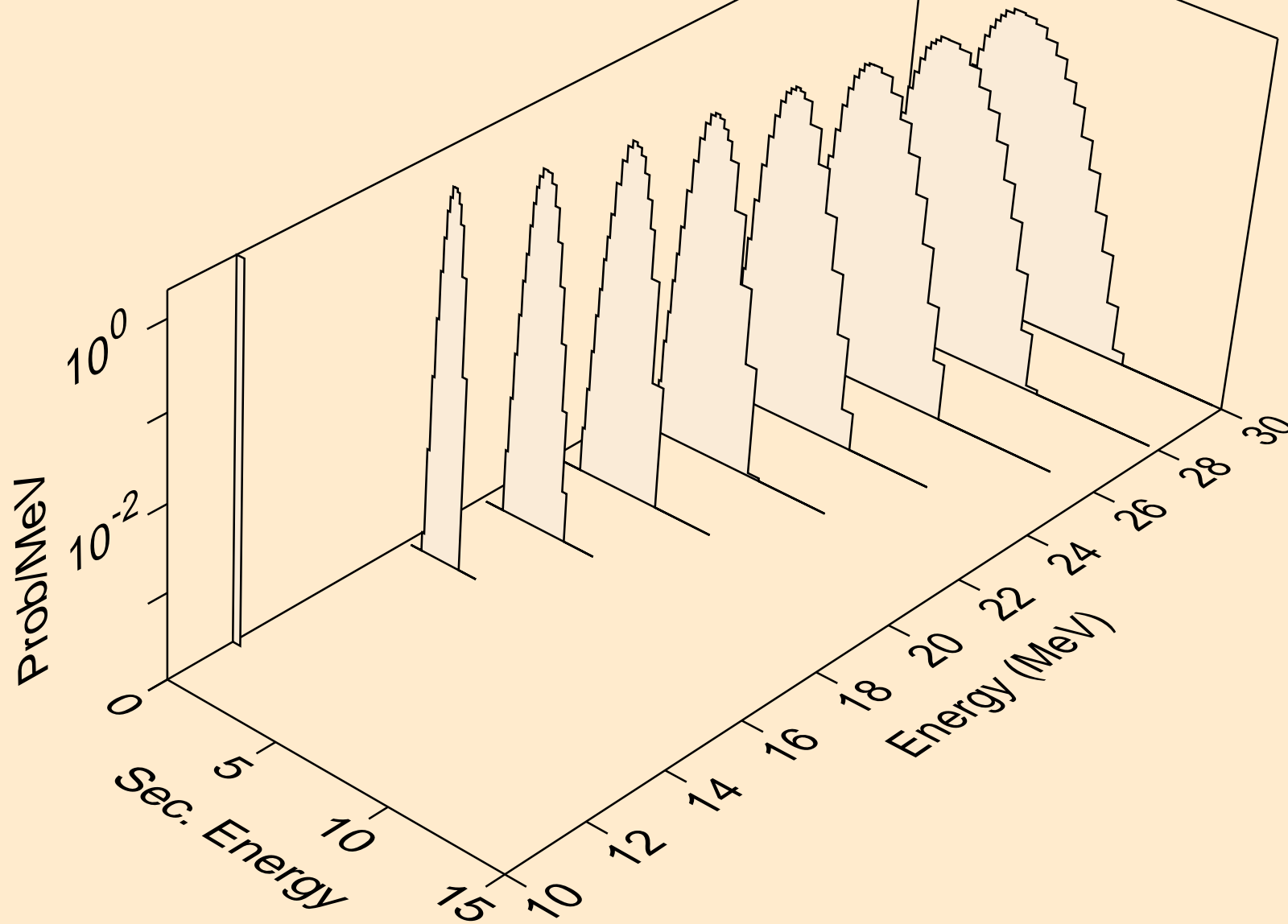
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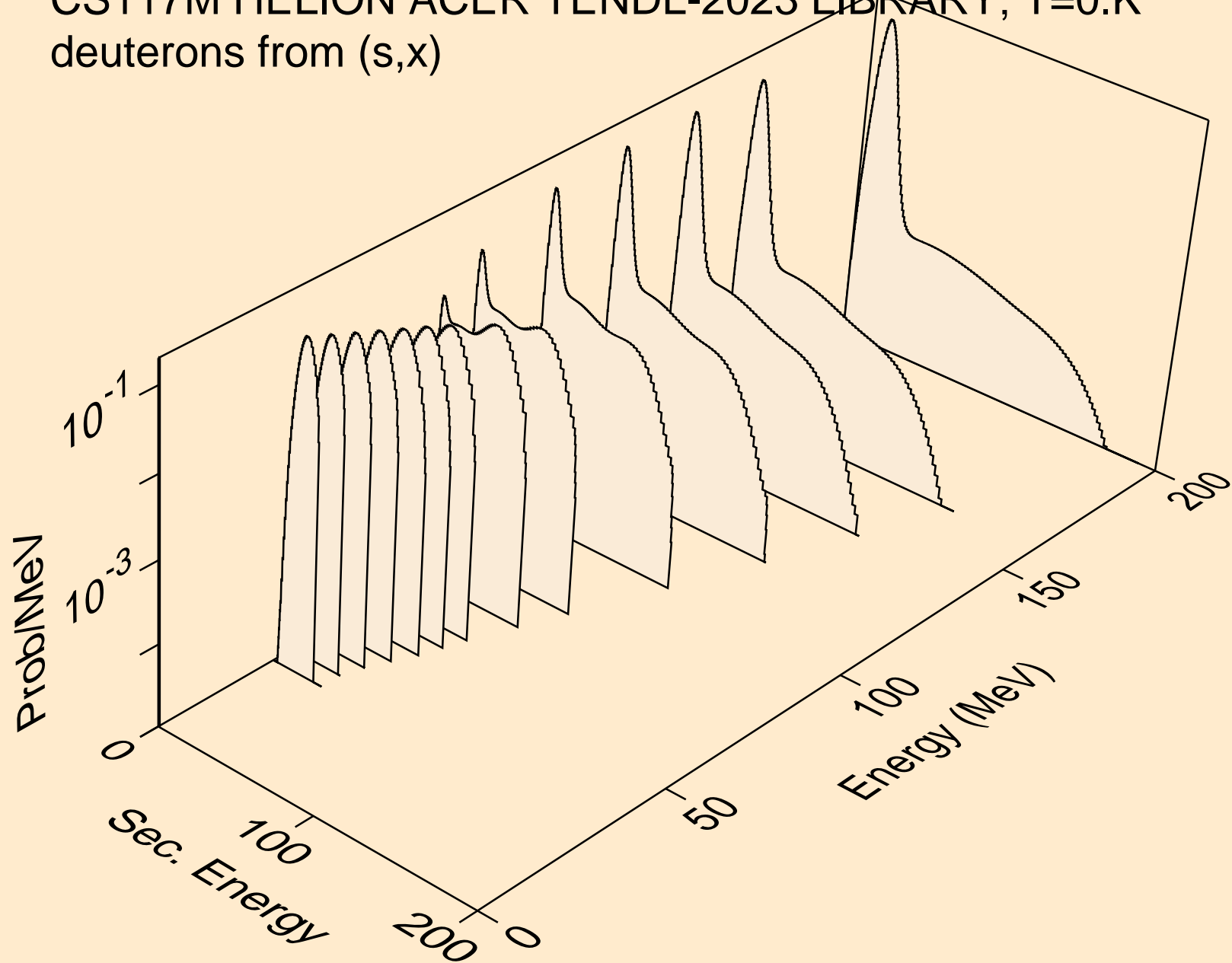
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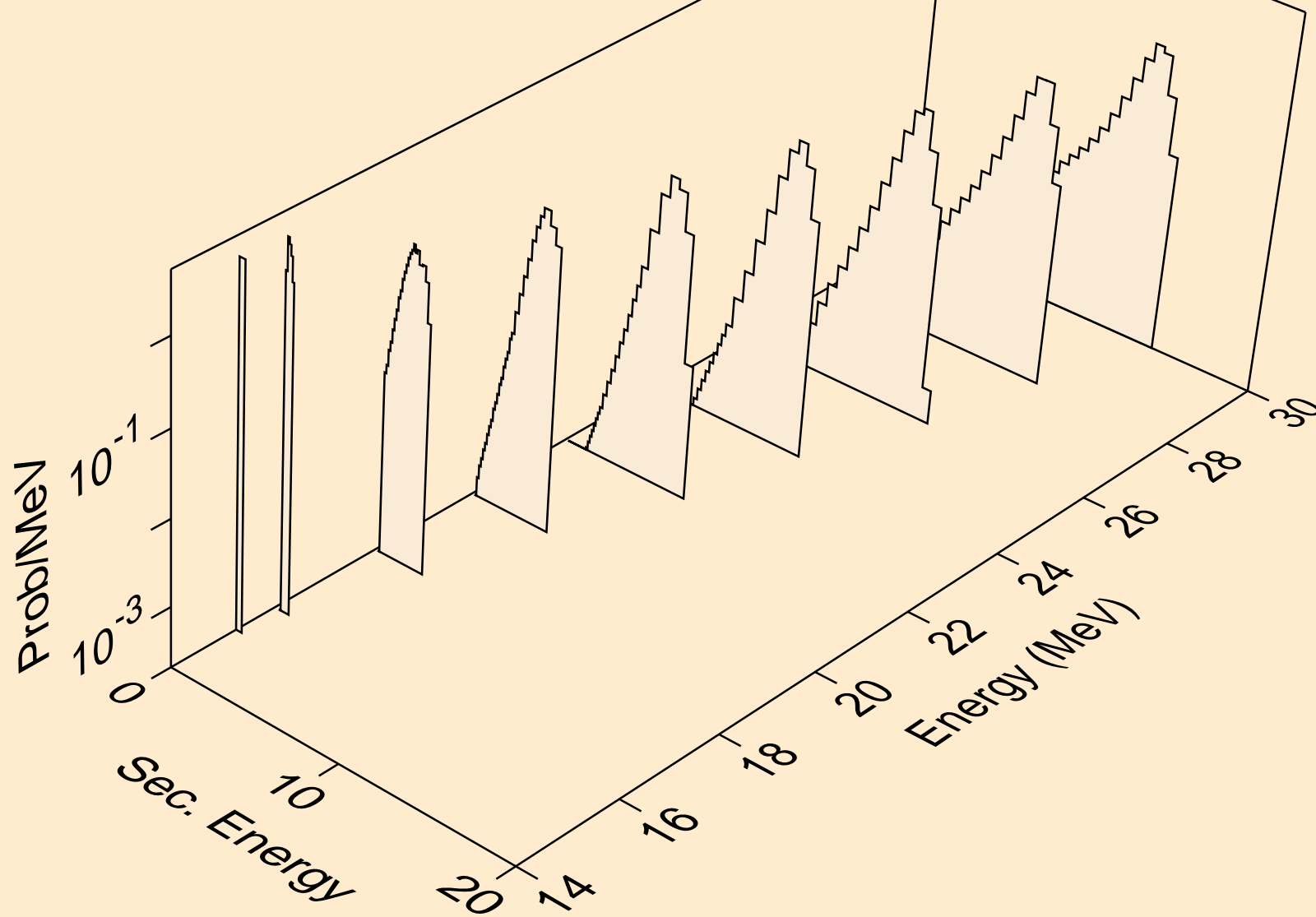
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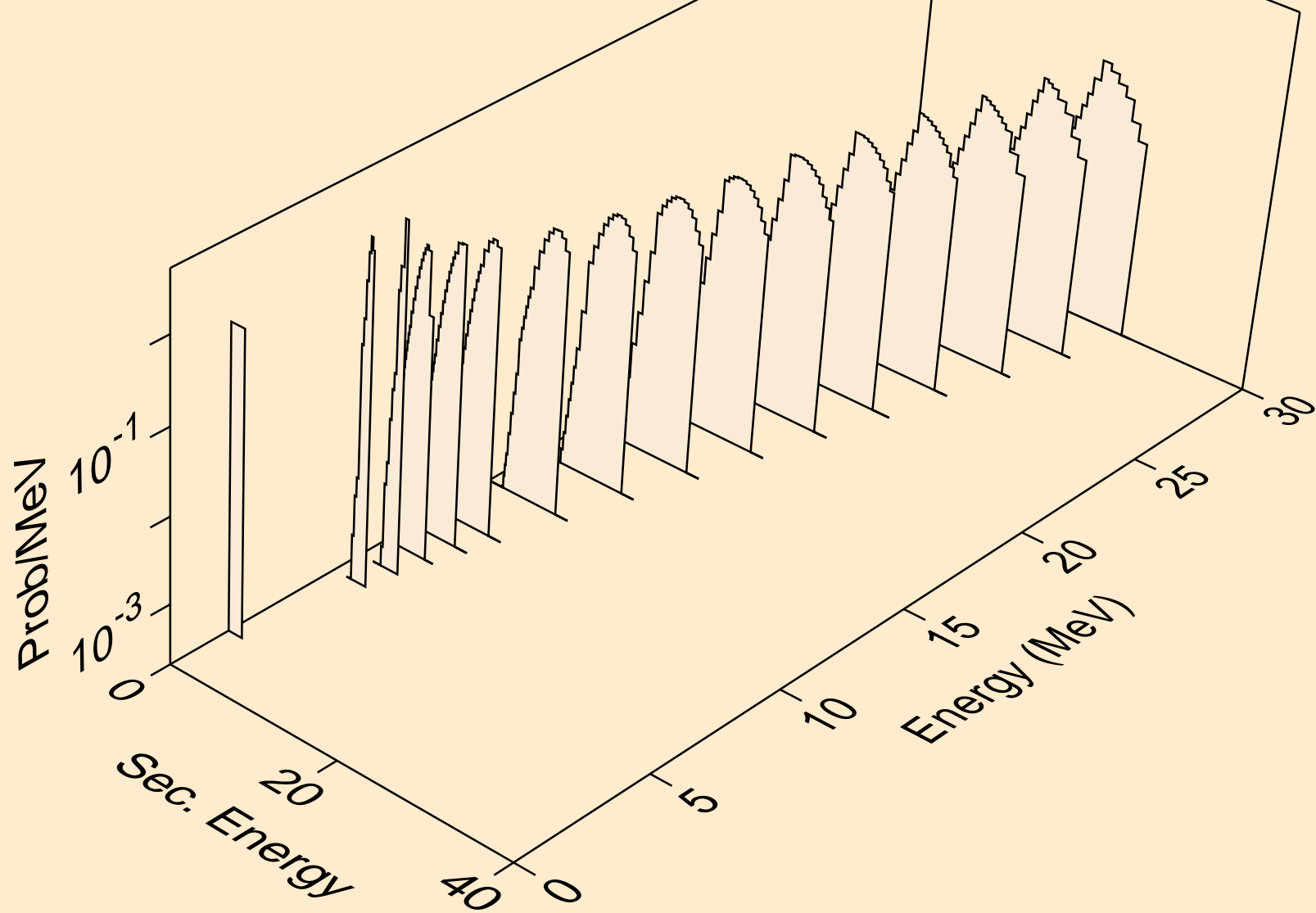
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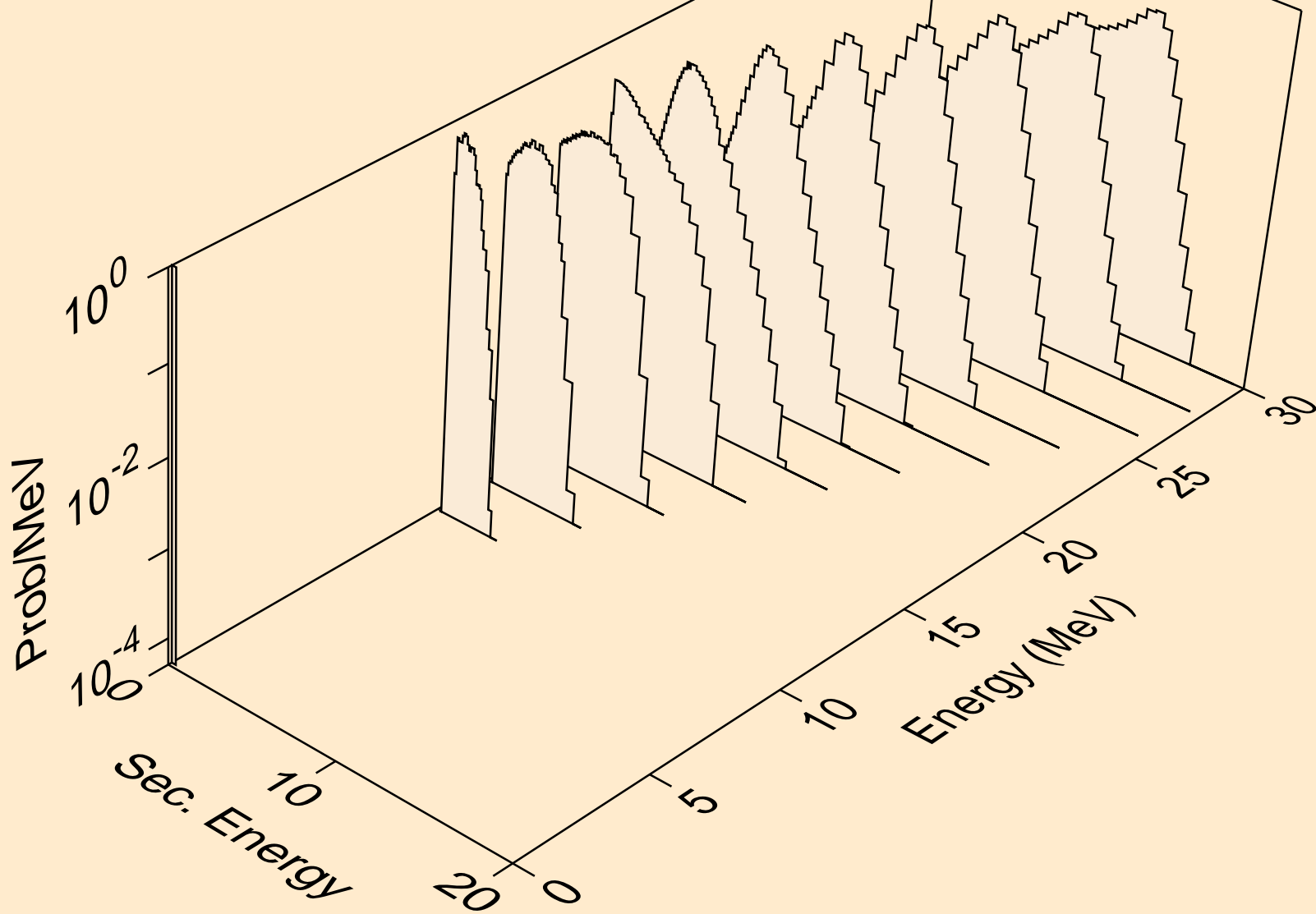
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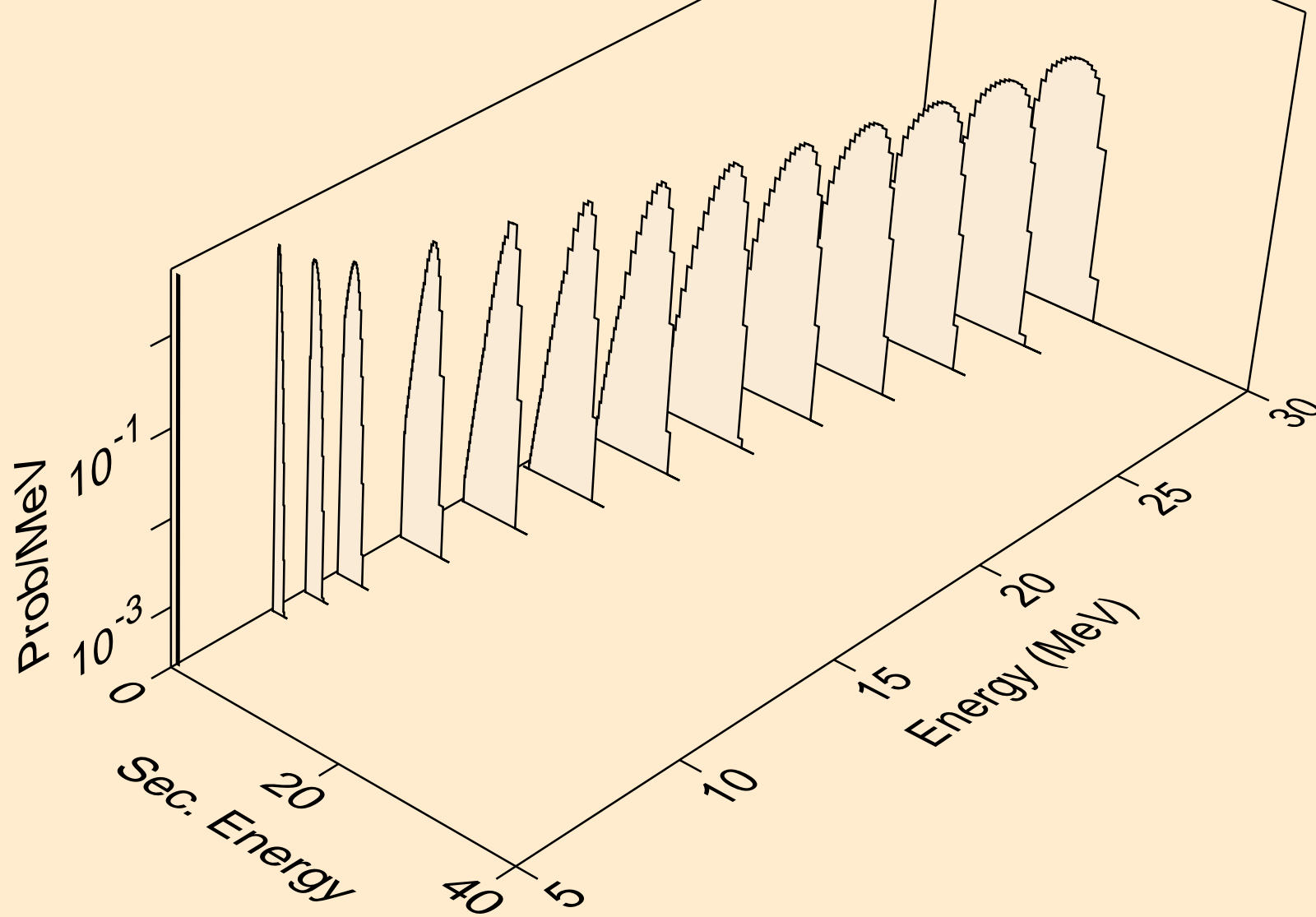
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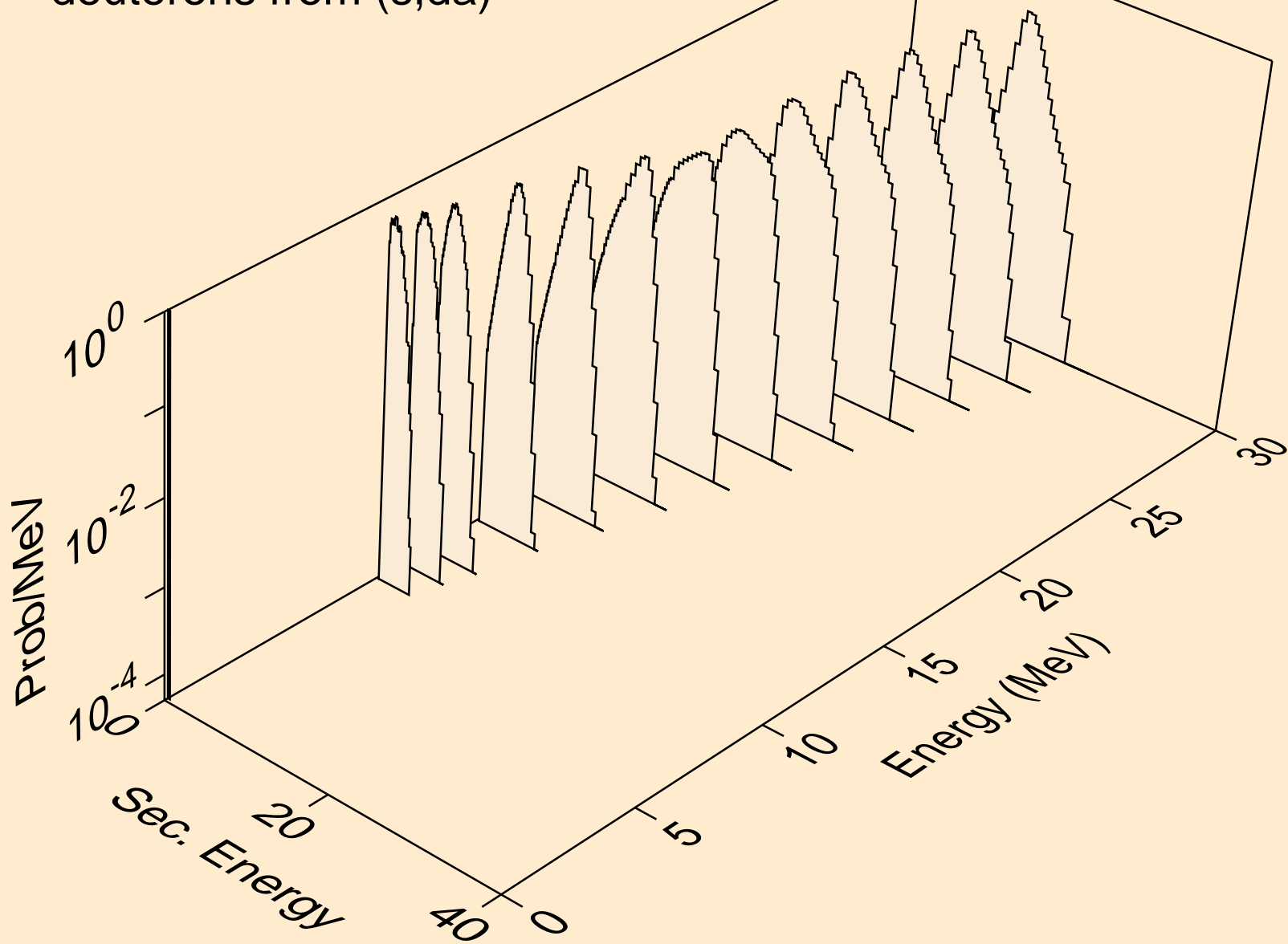
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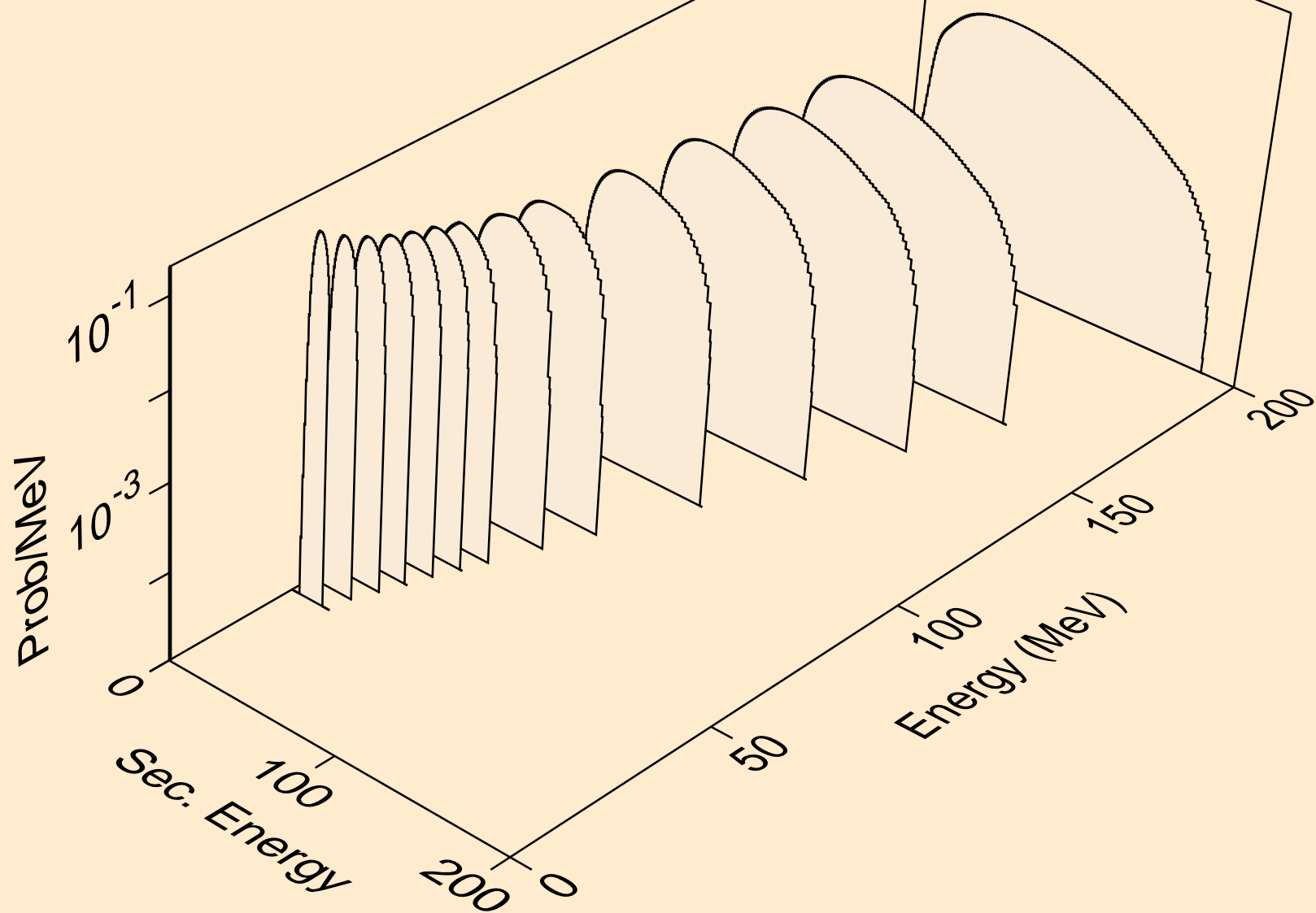
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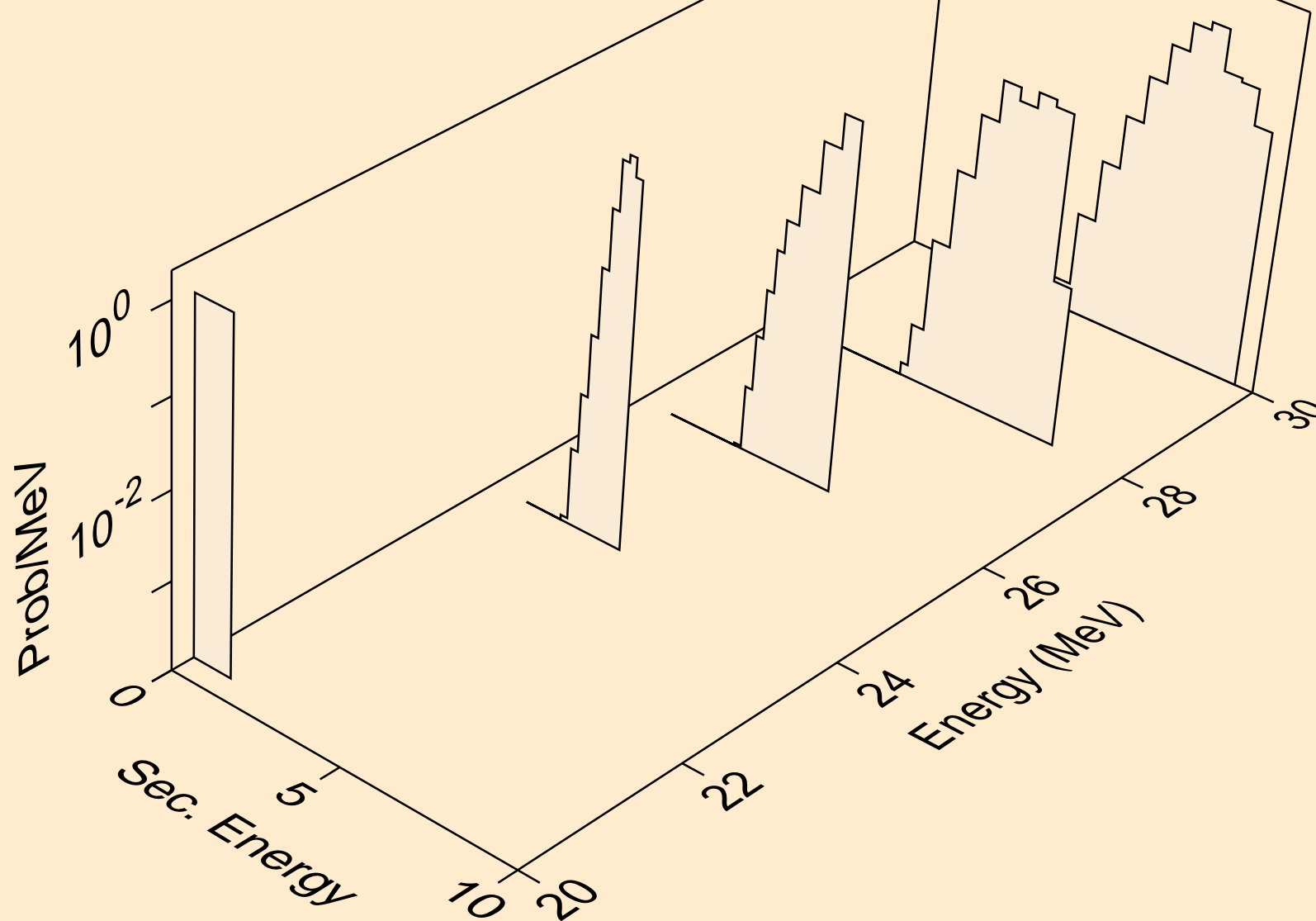
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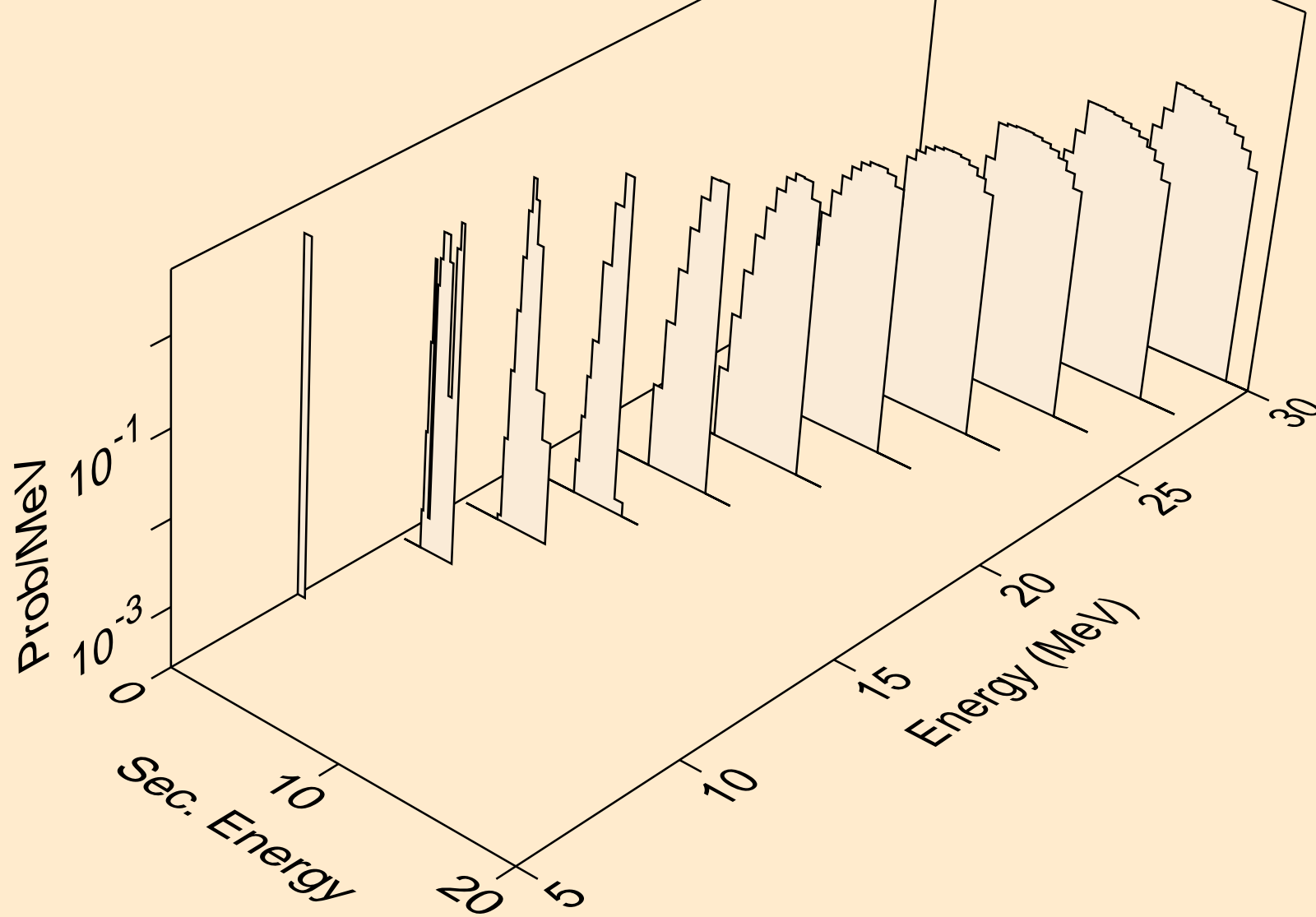
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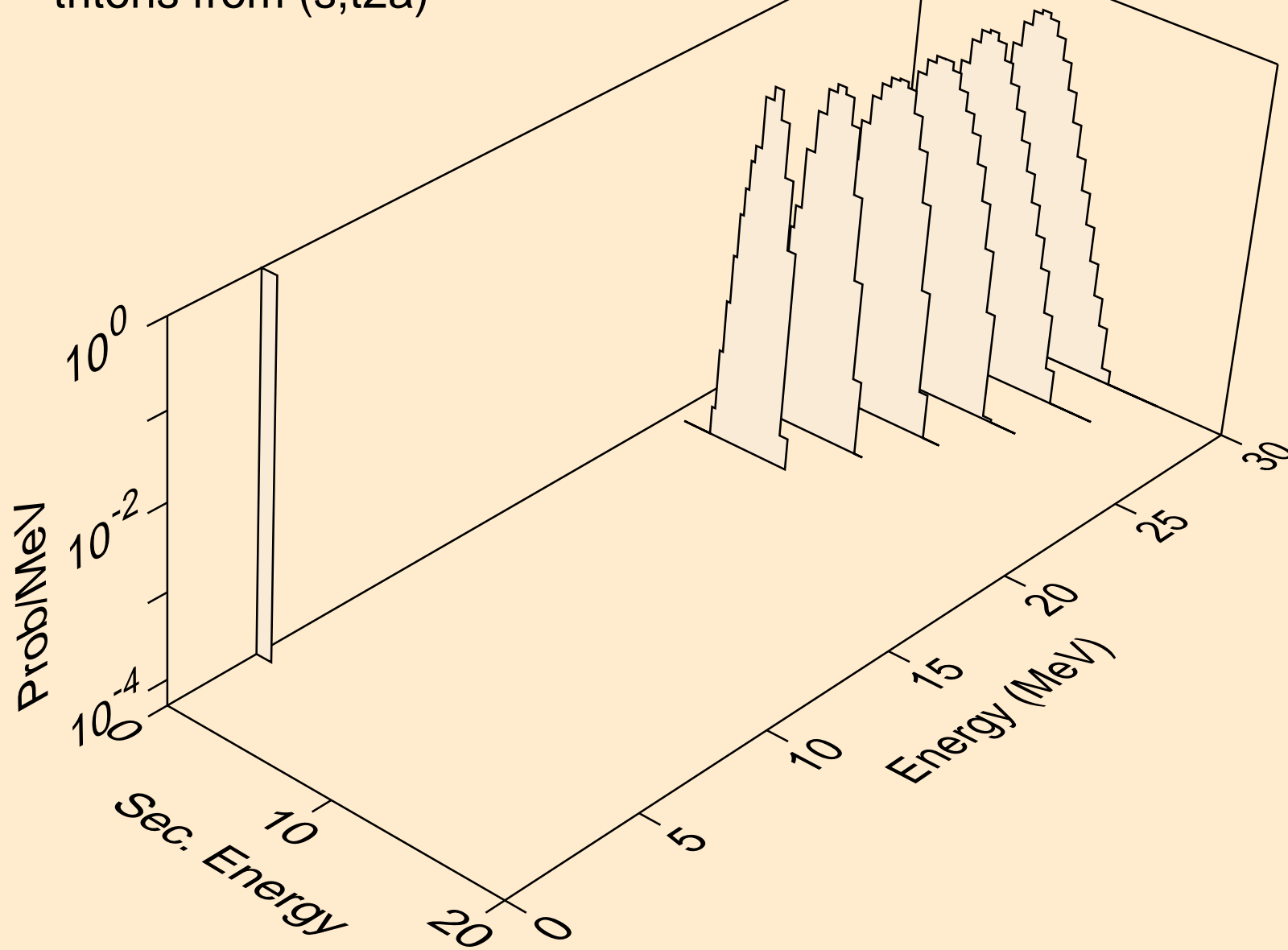
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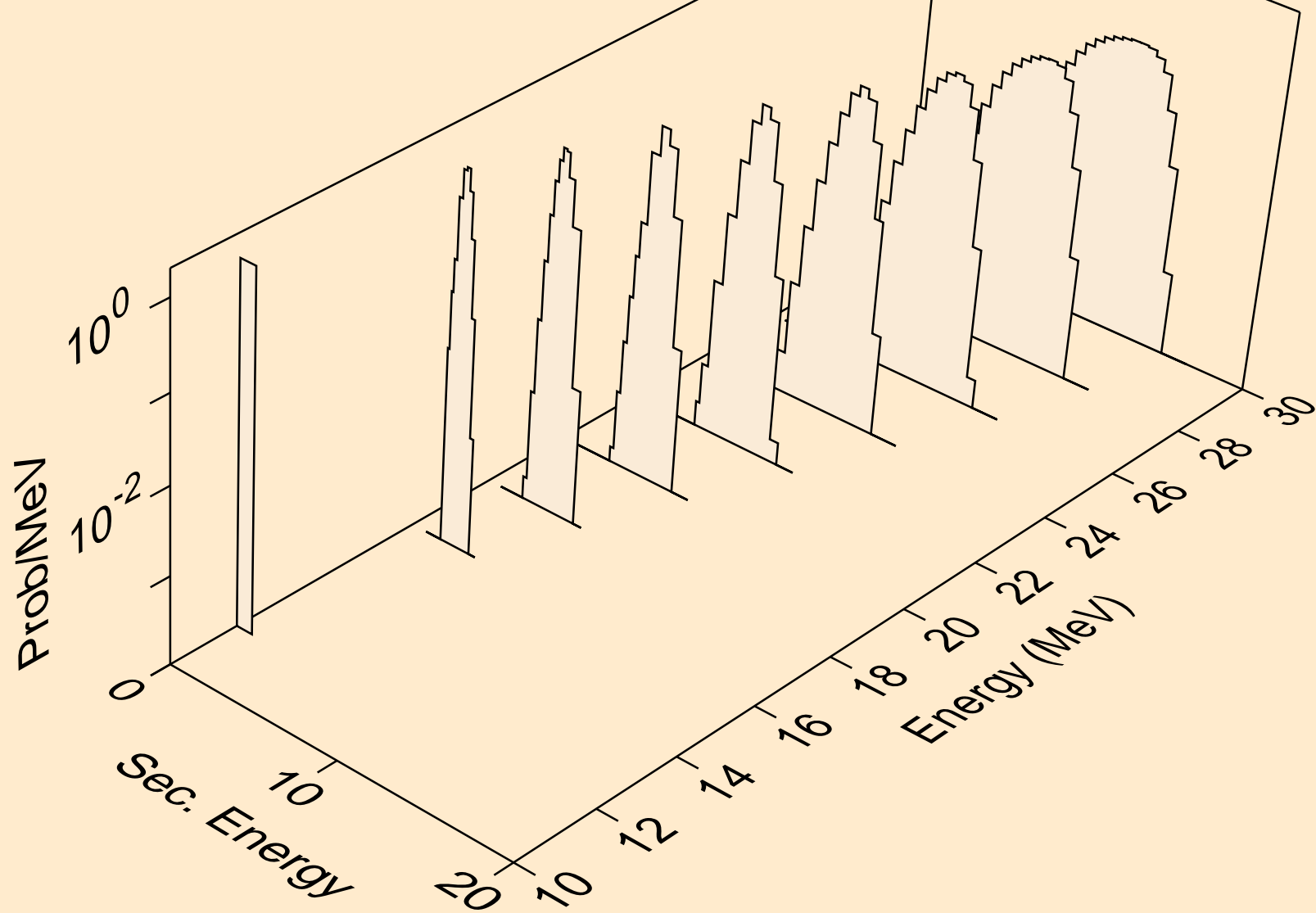
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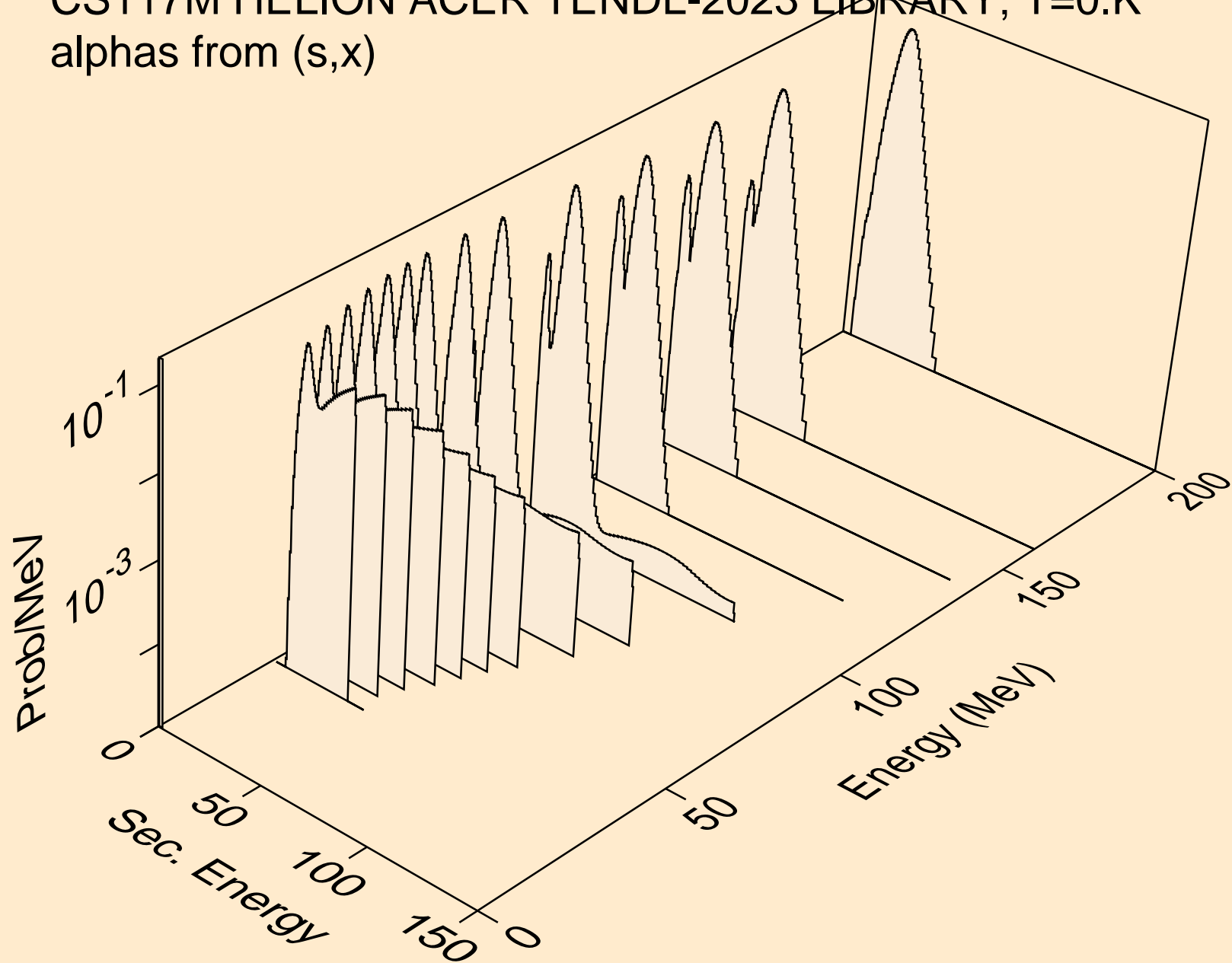
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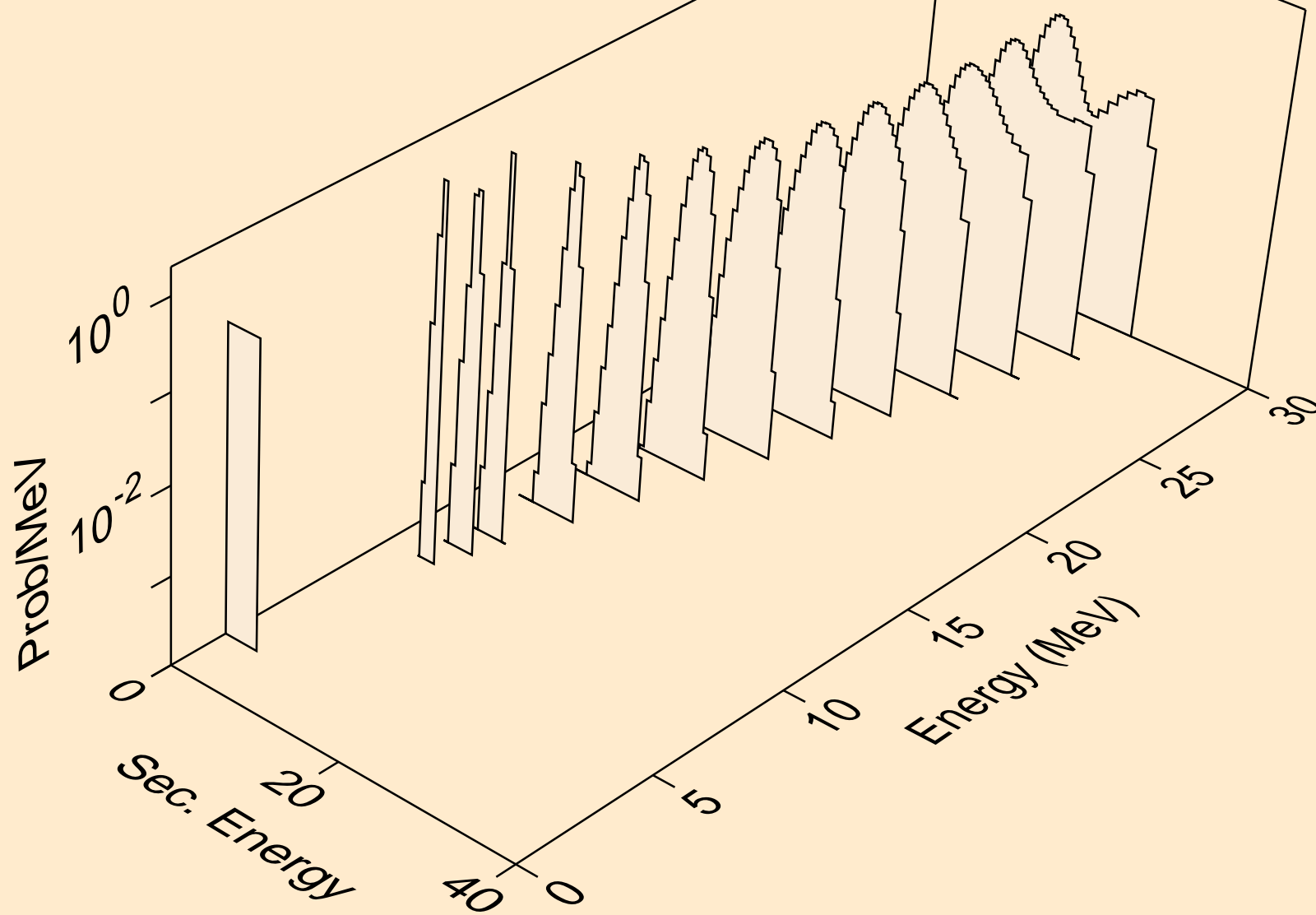
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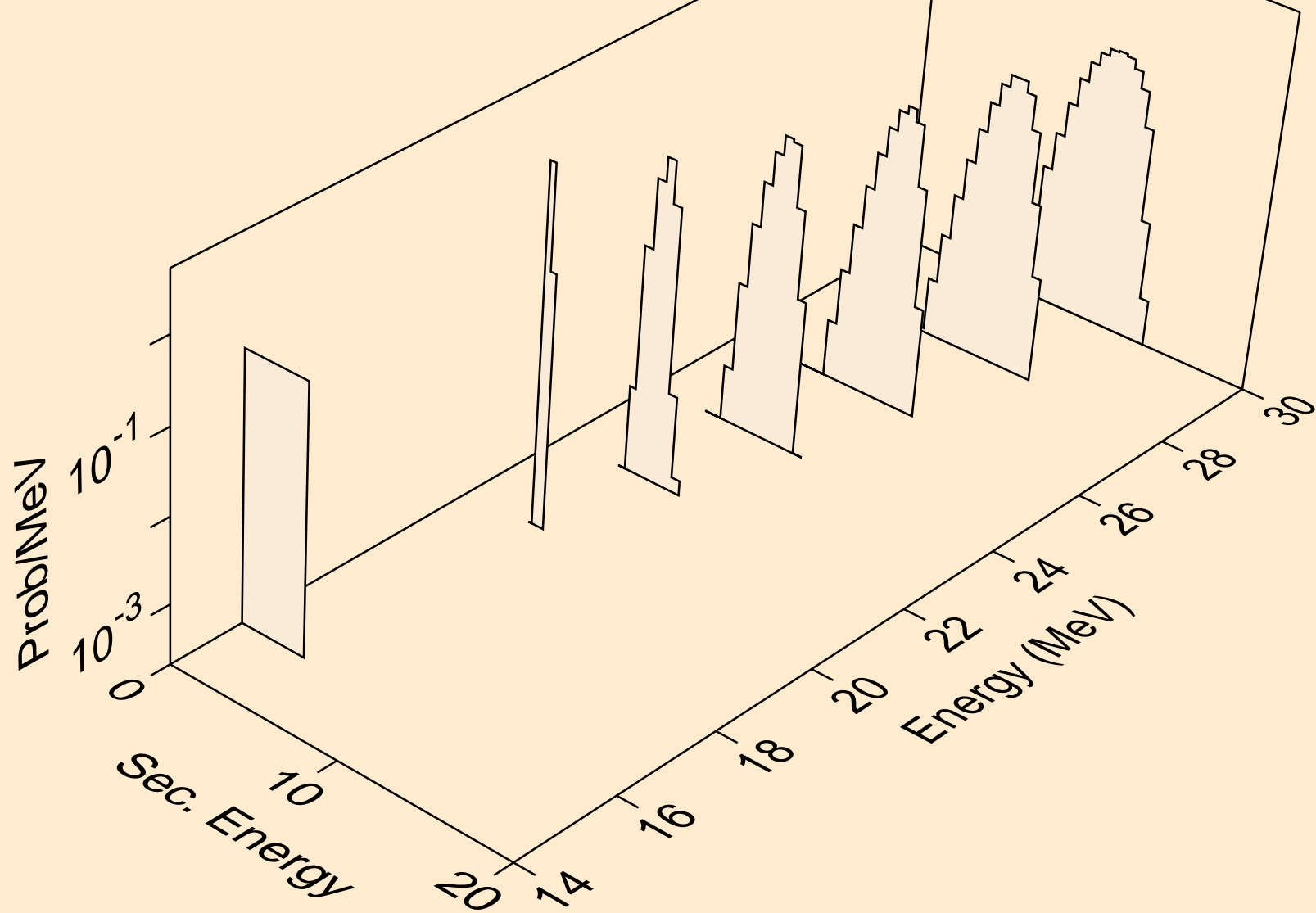
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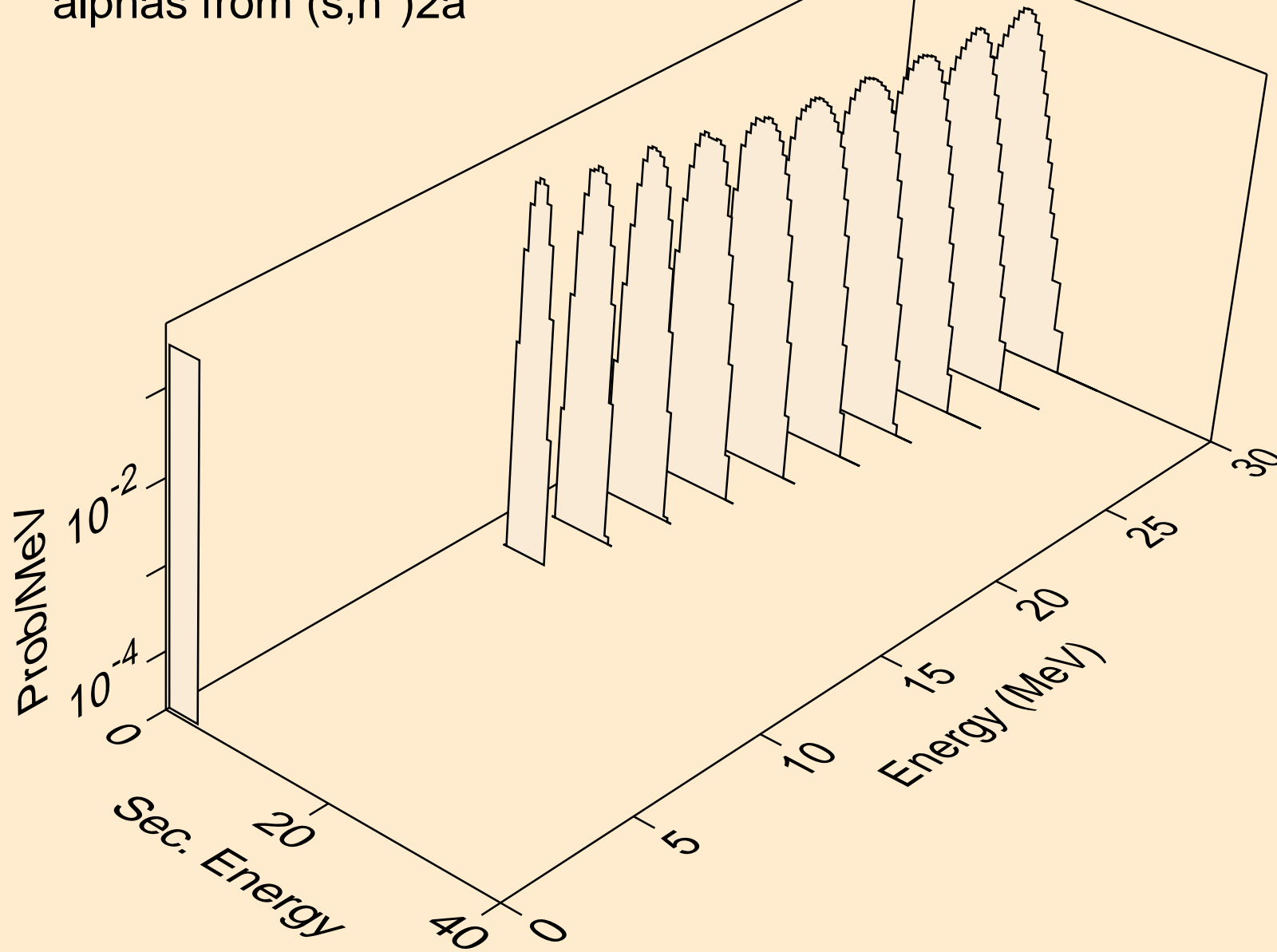
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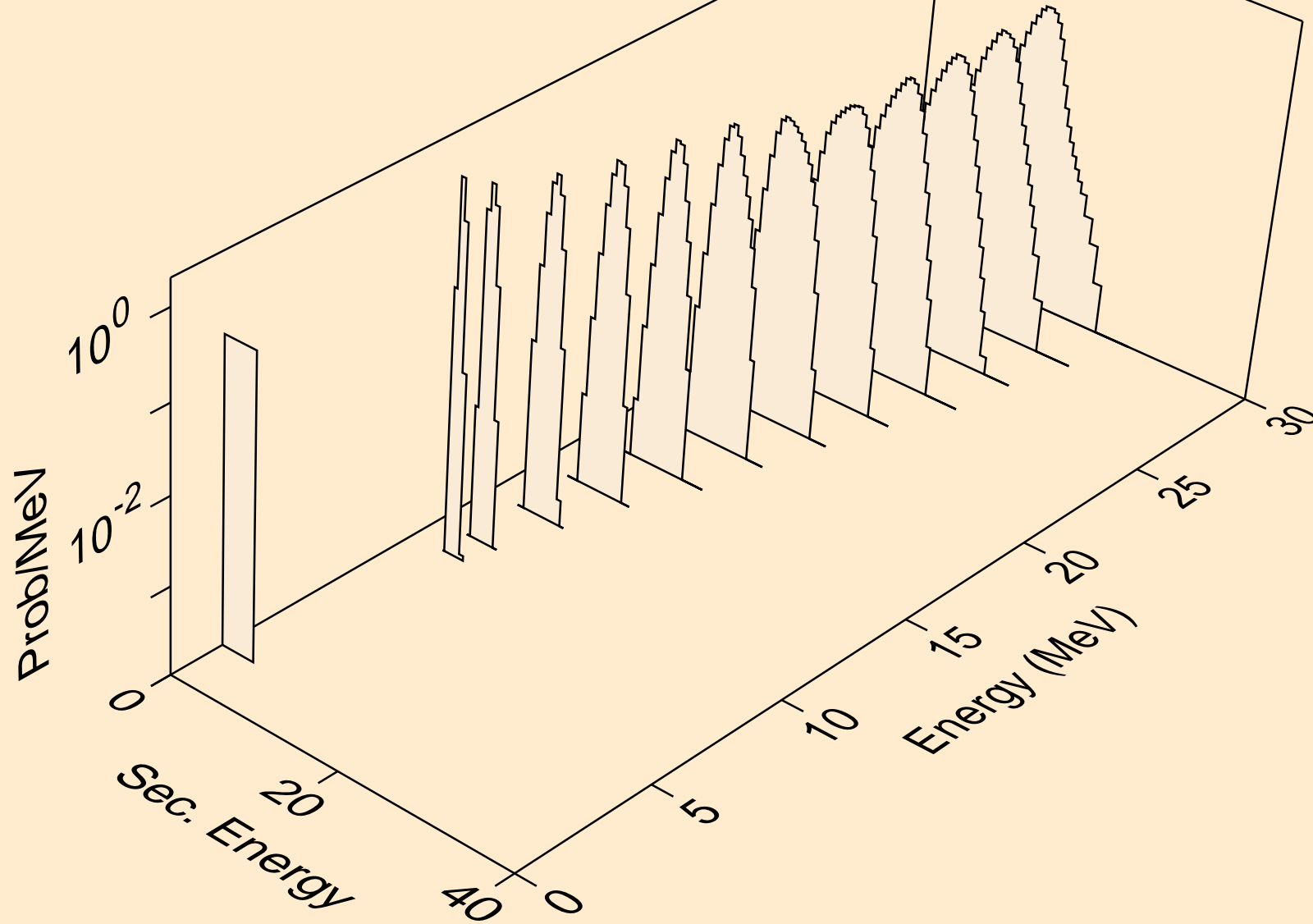
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alphas from (s,2n)a



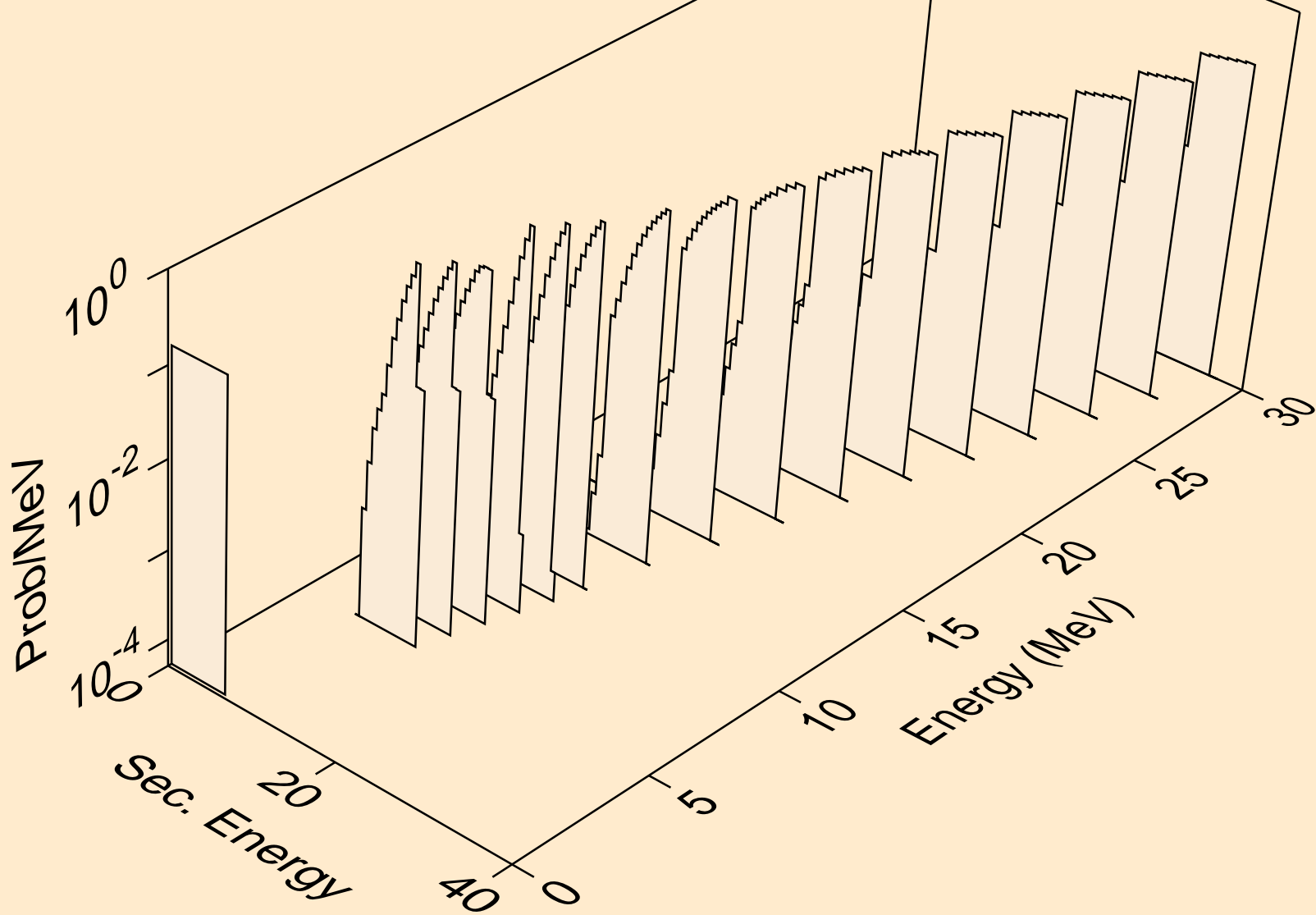
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alphas from (s,n\*)2a



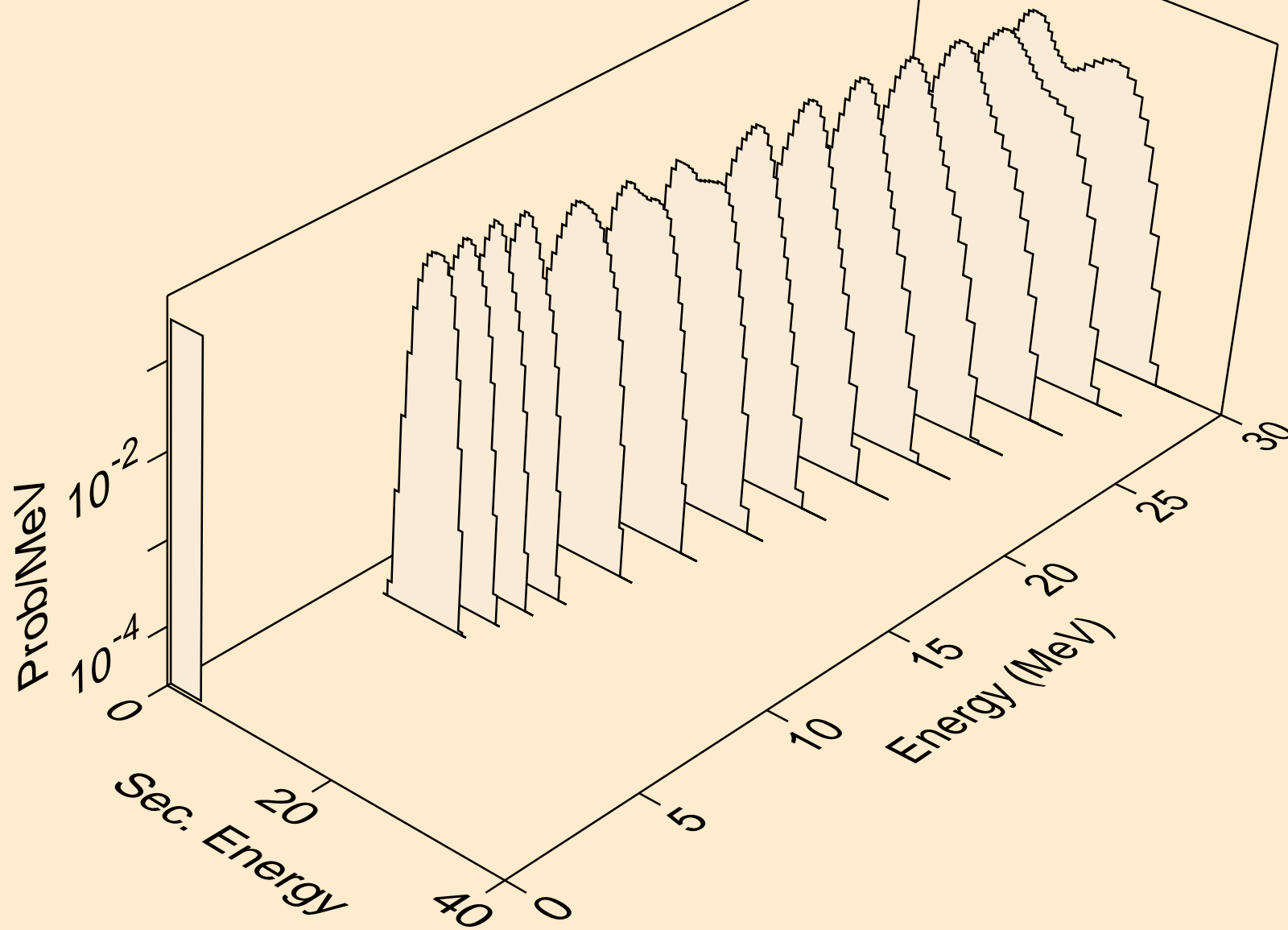
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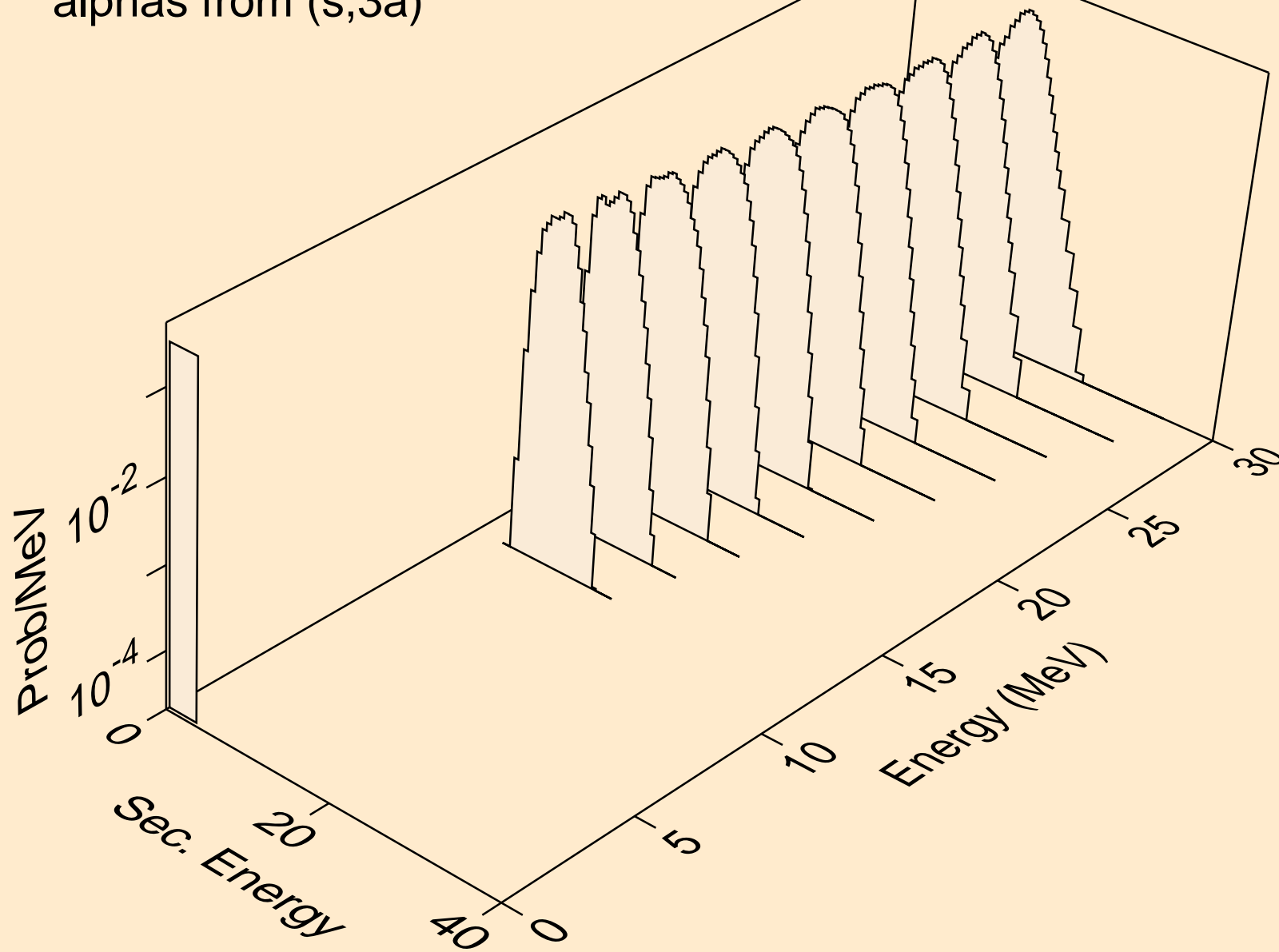
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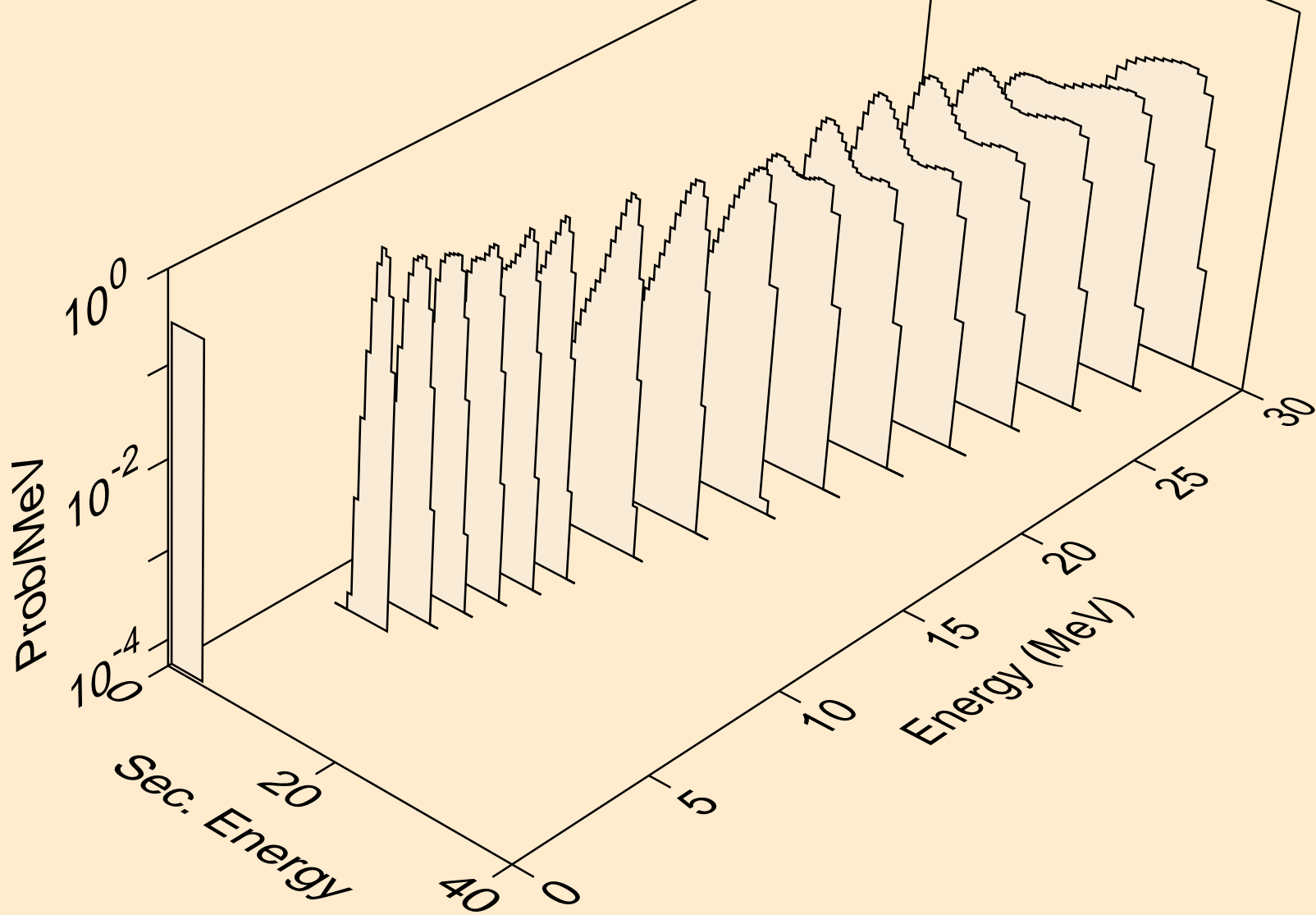
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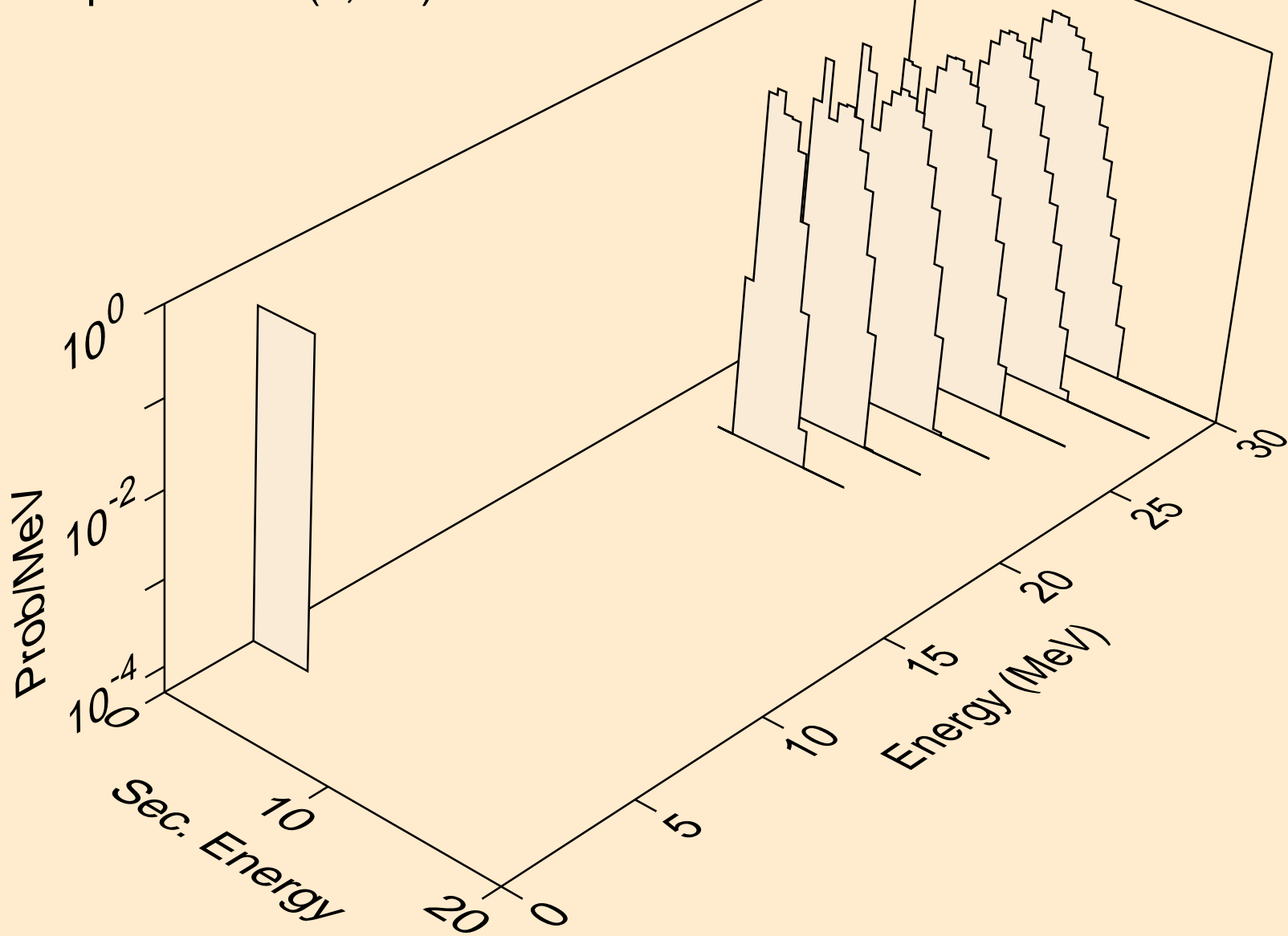
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alphas from (s,3a)



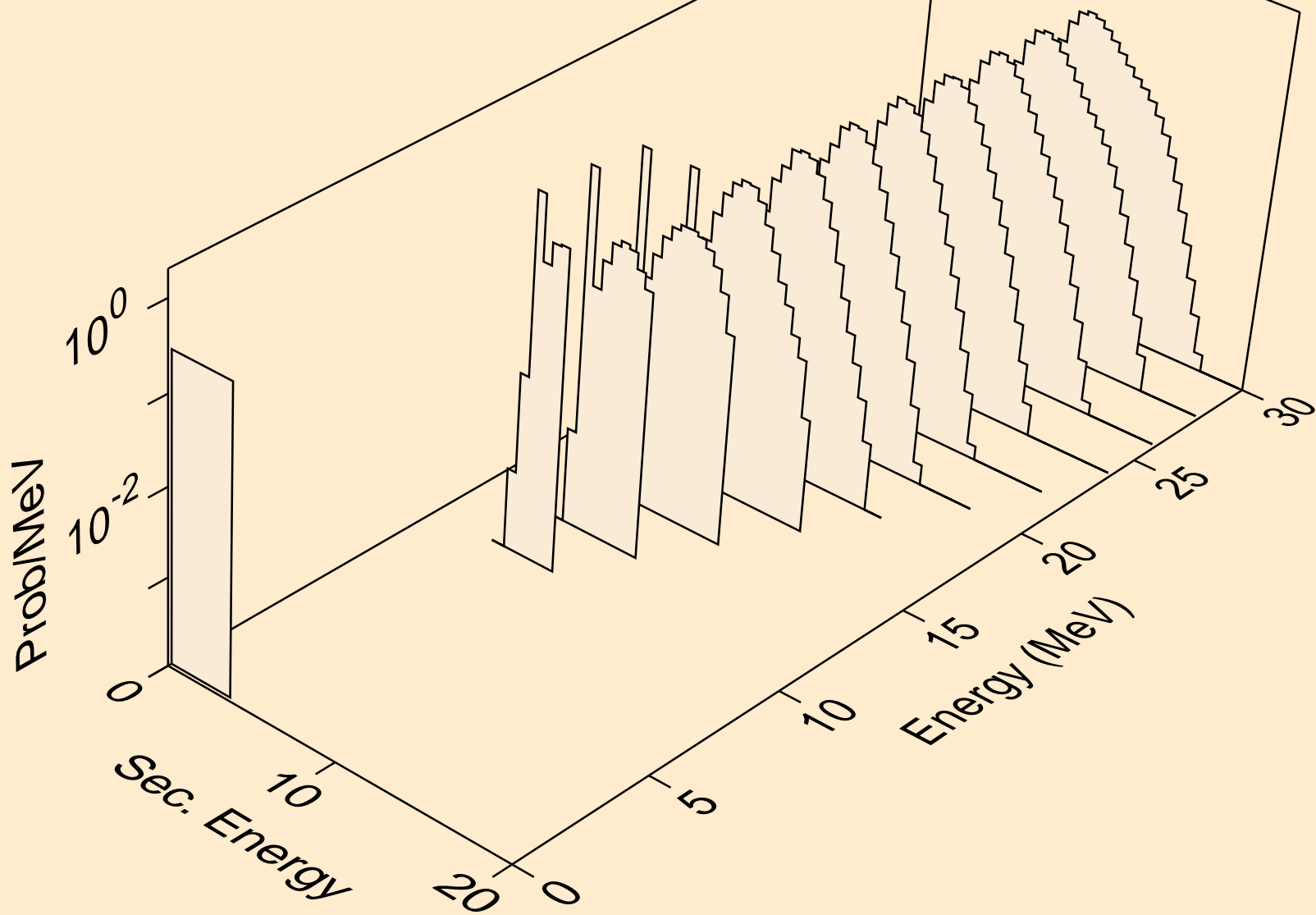
CS117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



CS117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,t2a)



CS117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,d2a)



CS117M HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

