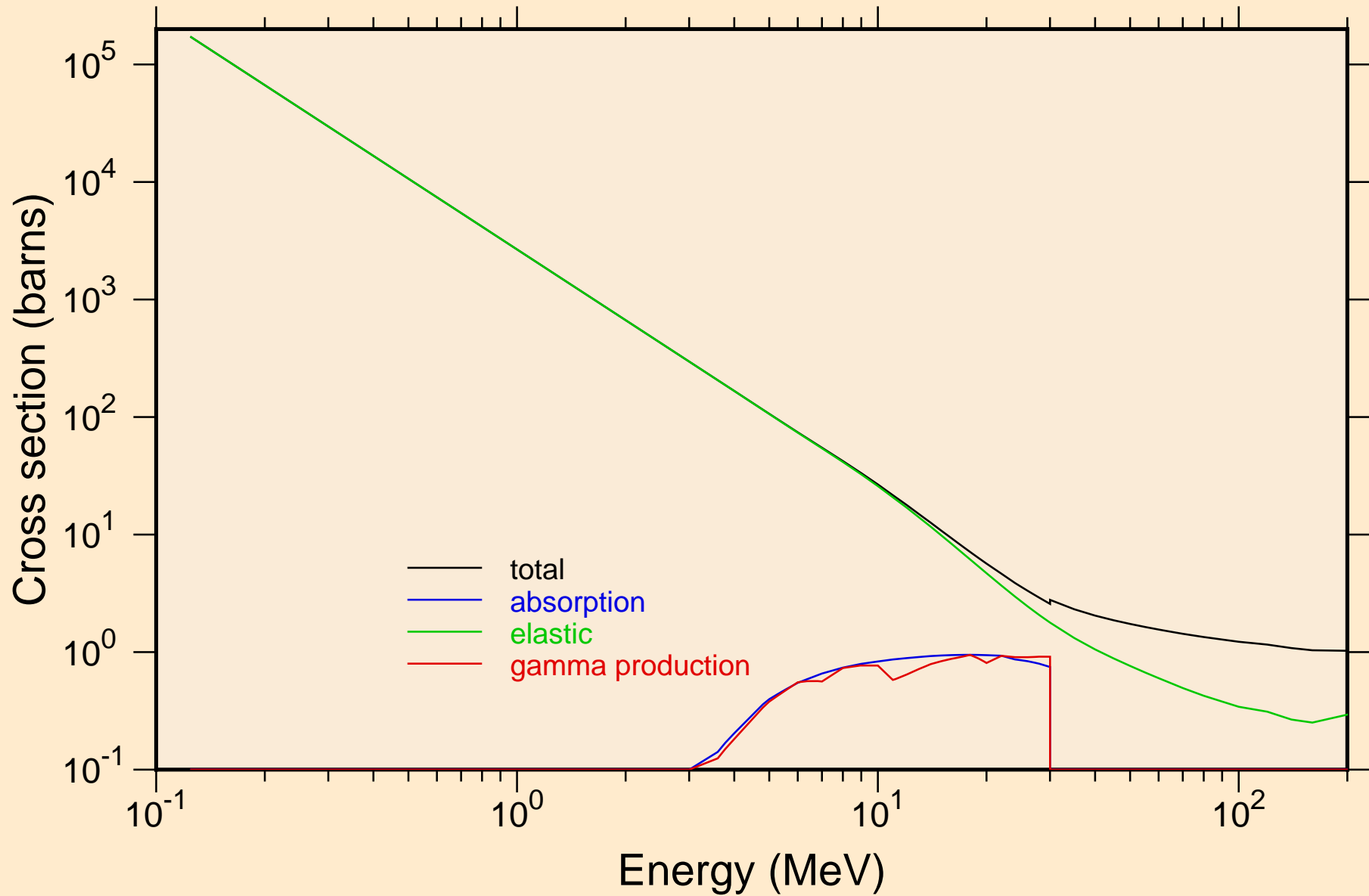
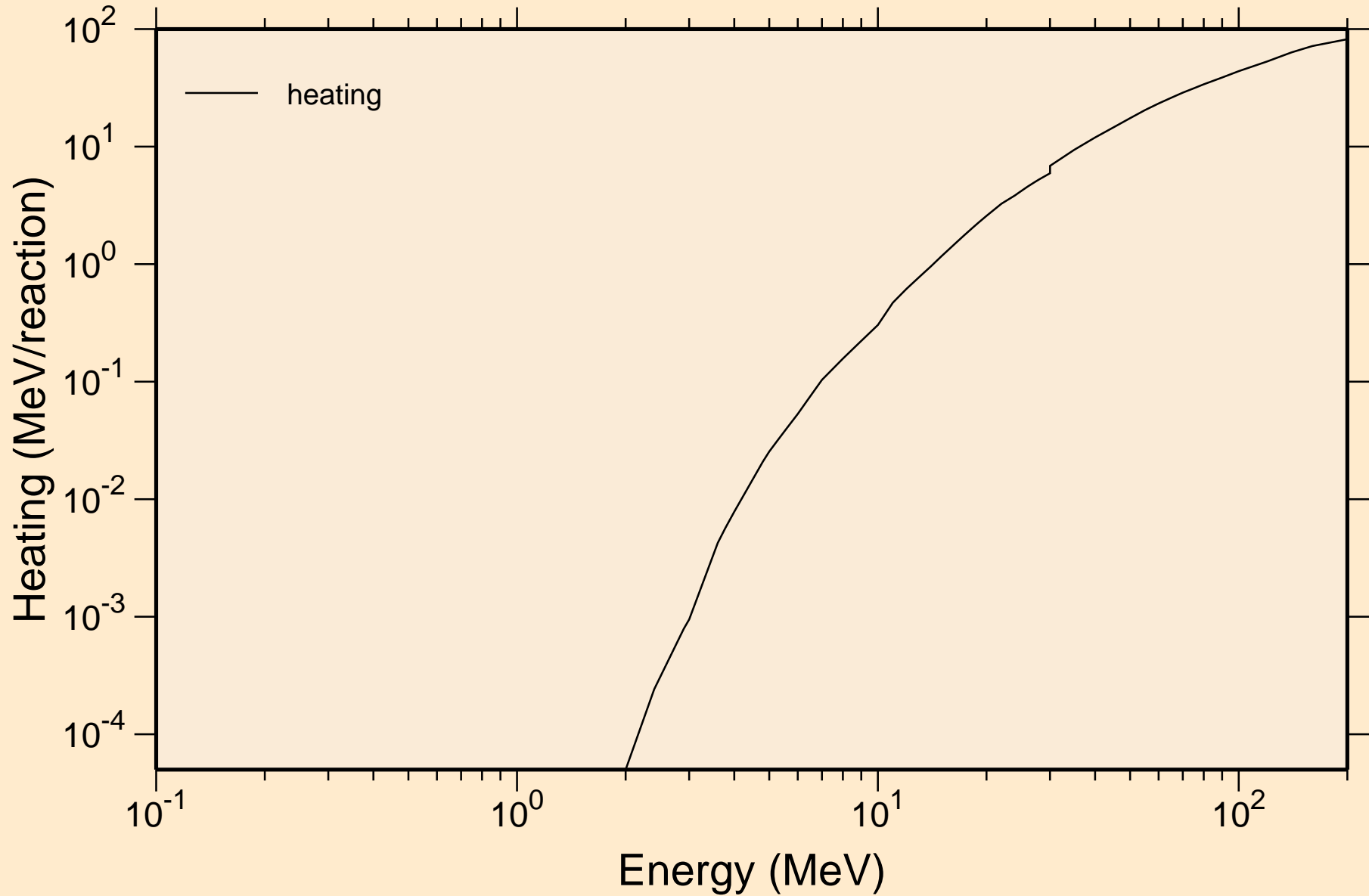


F019 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Principal cross sections



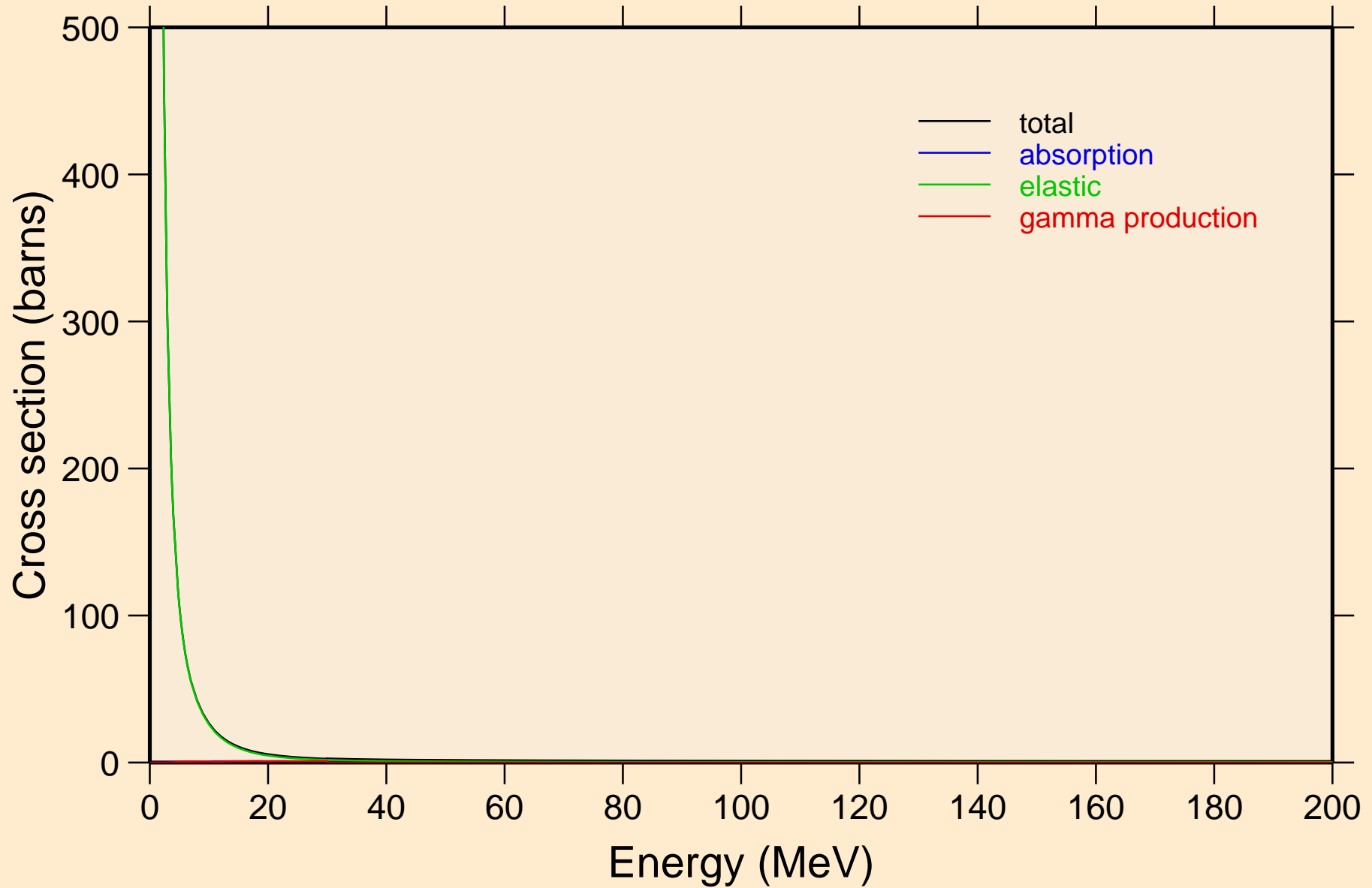
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## Heating

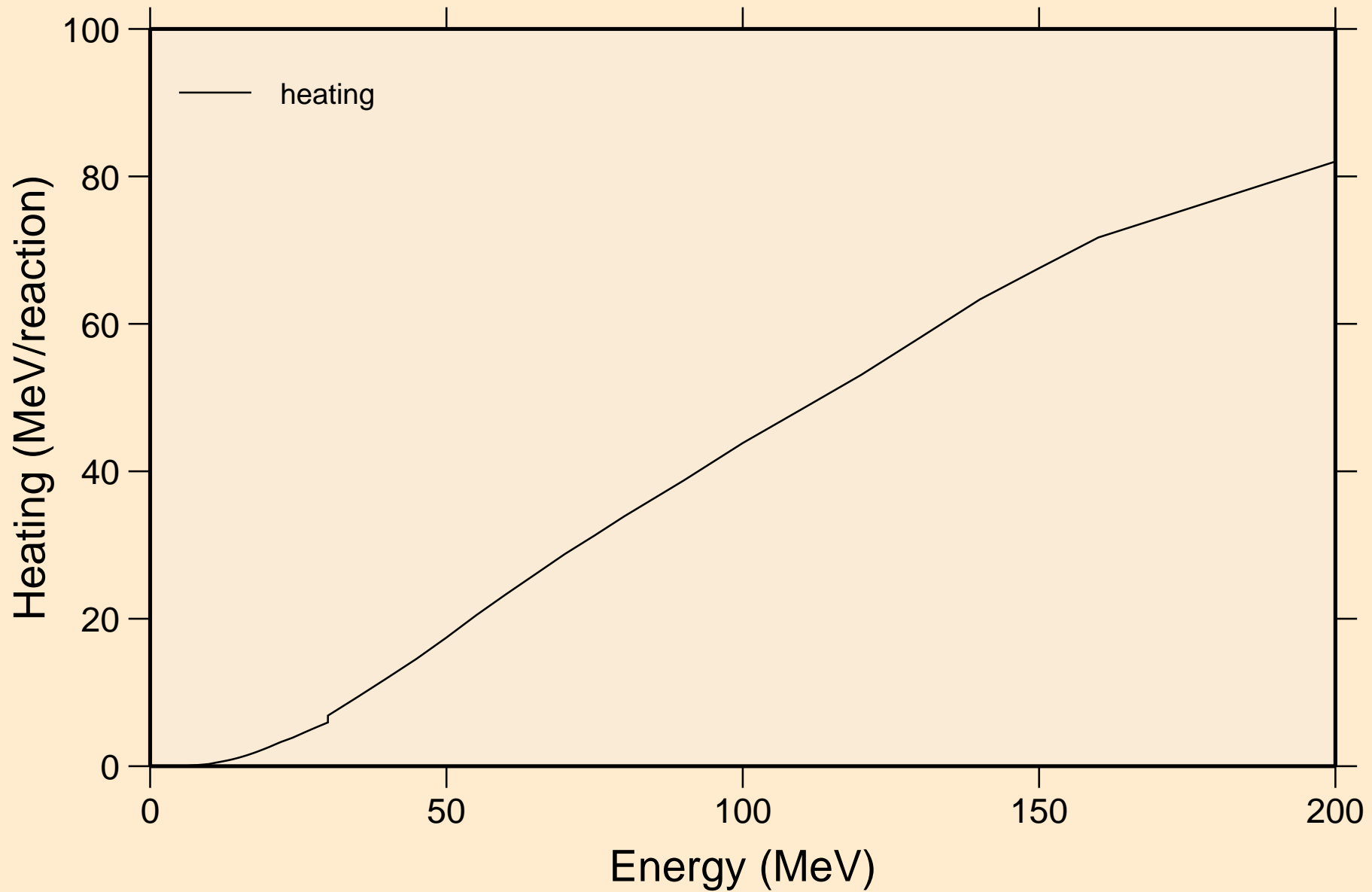


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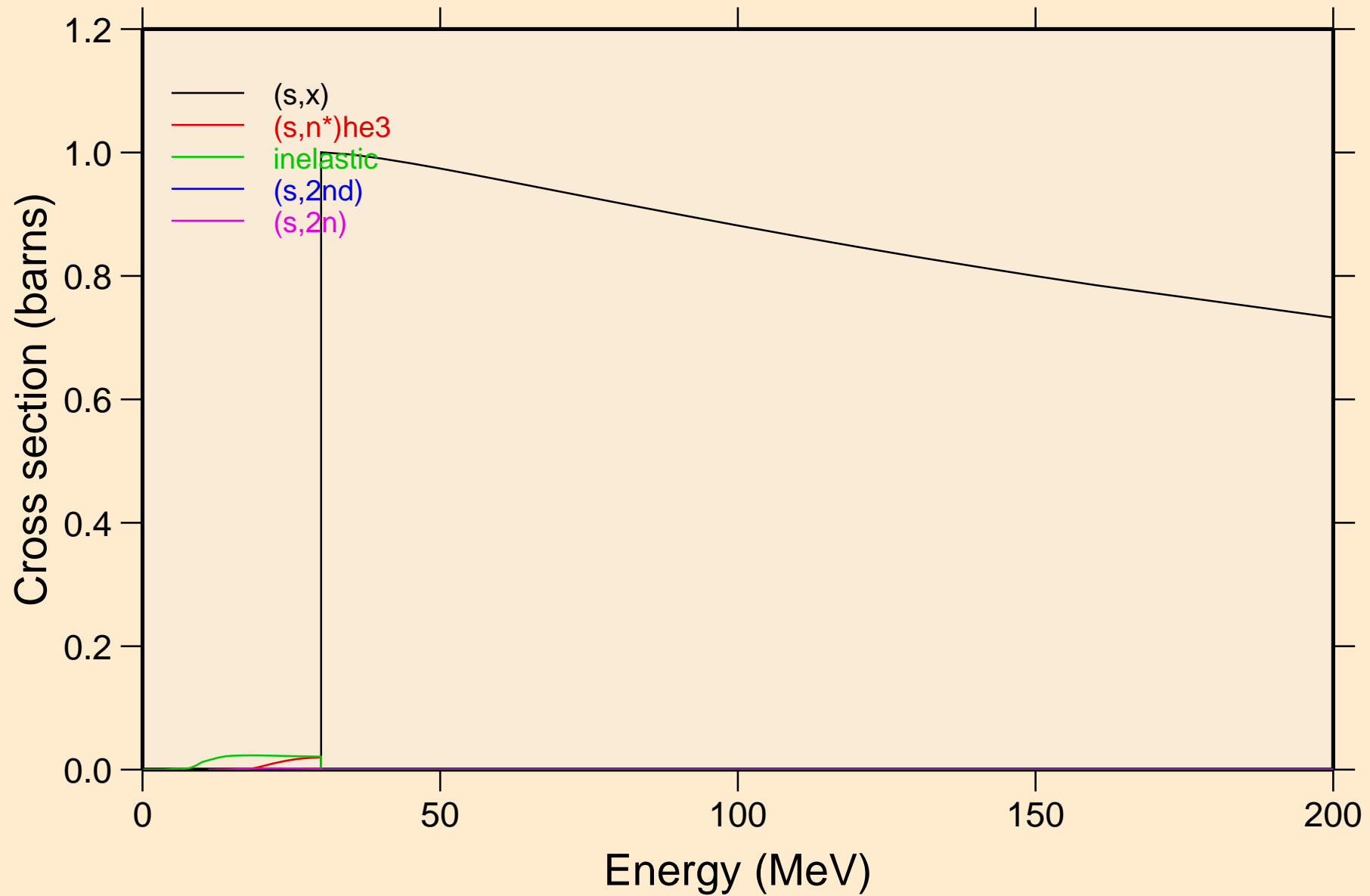
## Principal cross sections



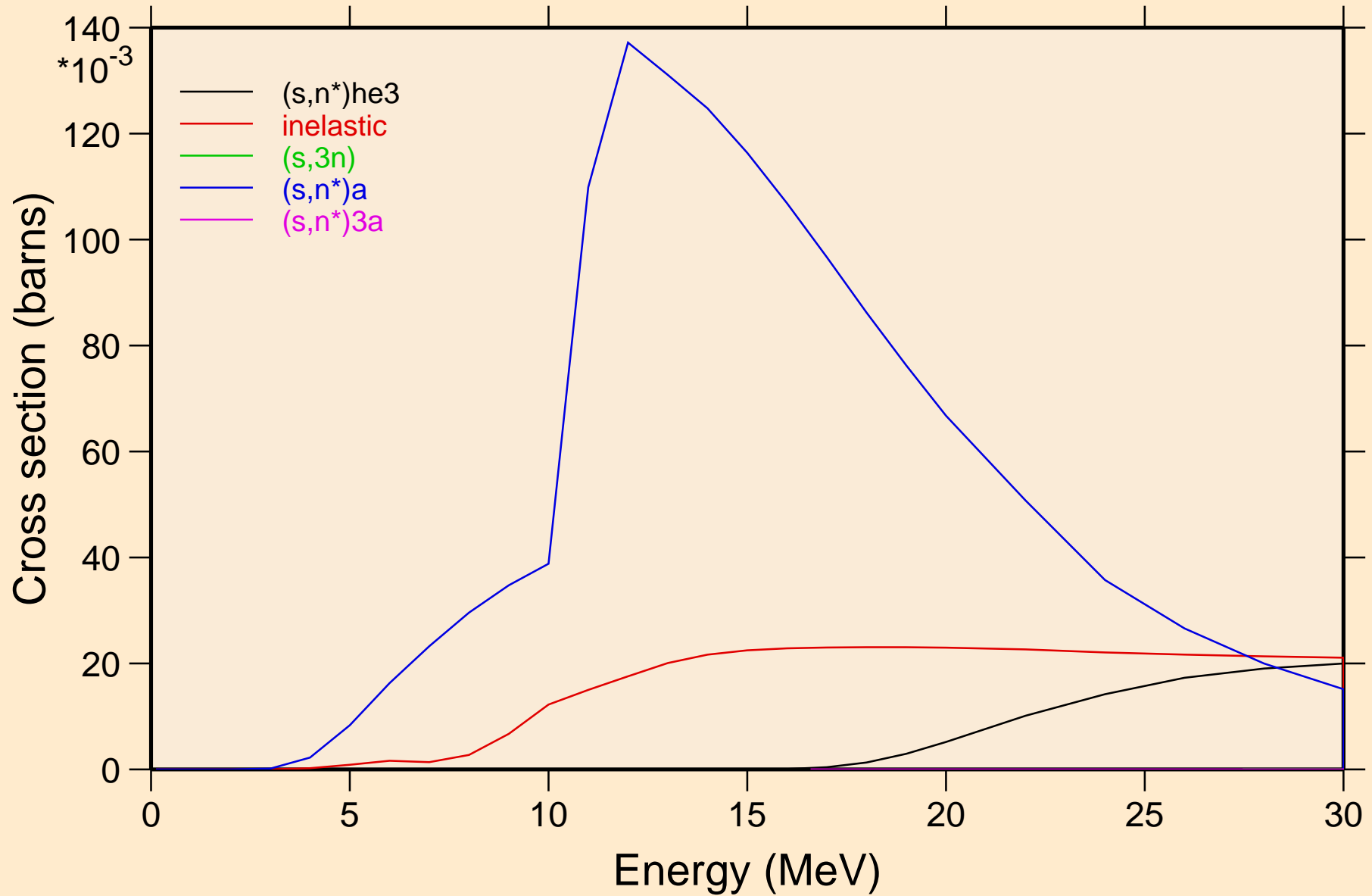
F019 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Heating



F019 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

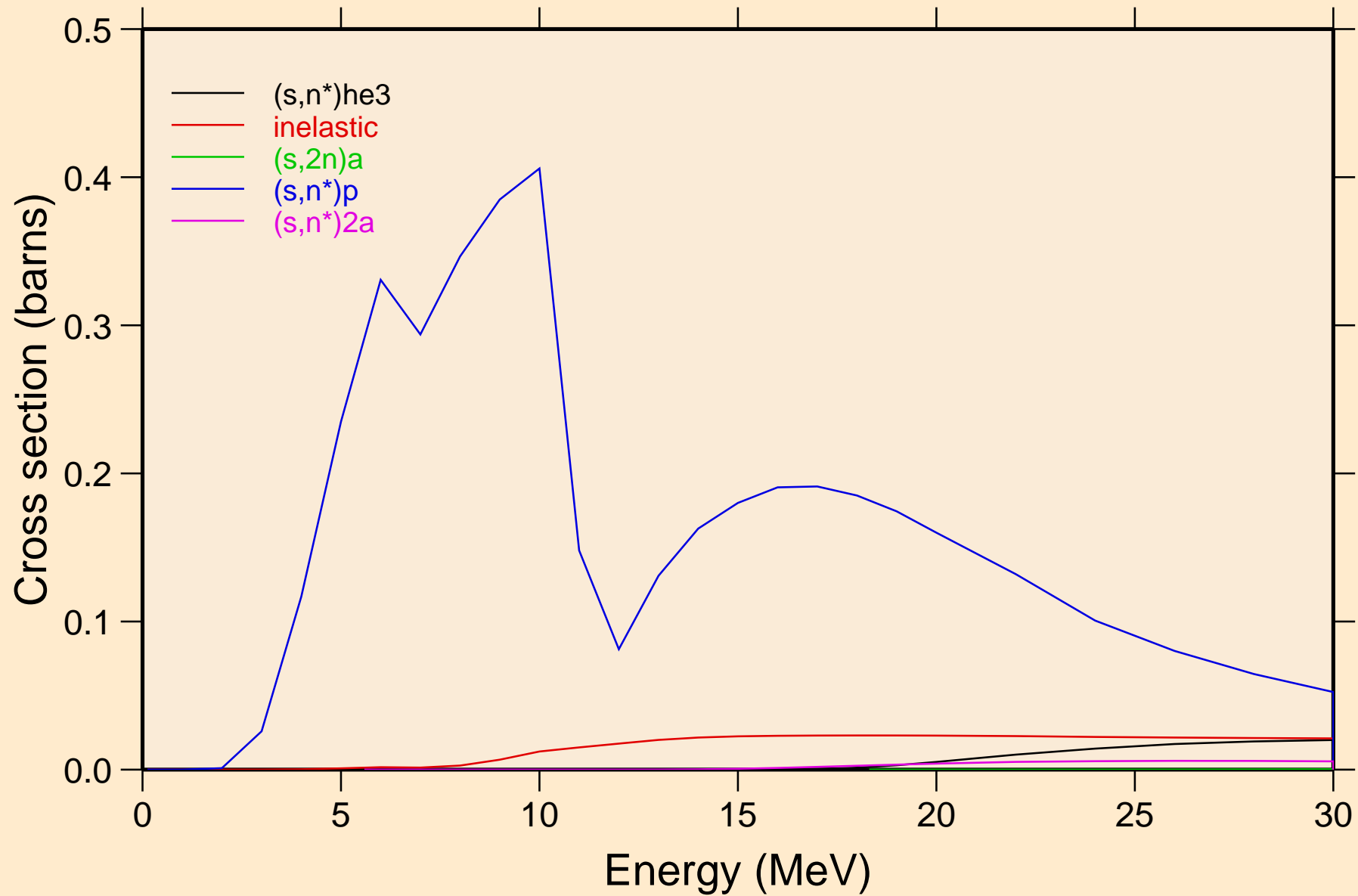


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Threshold reactions

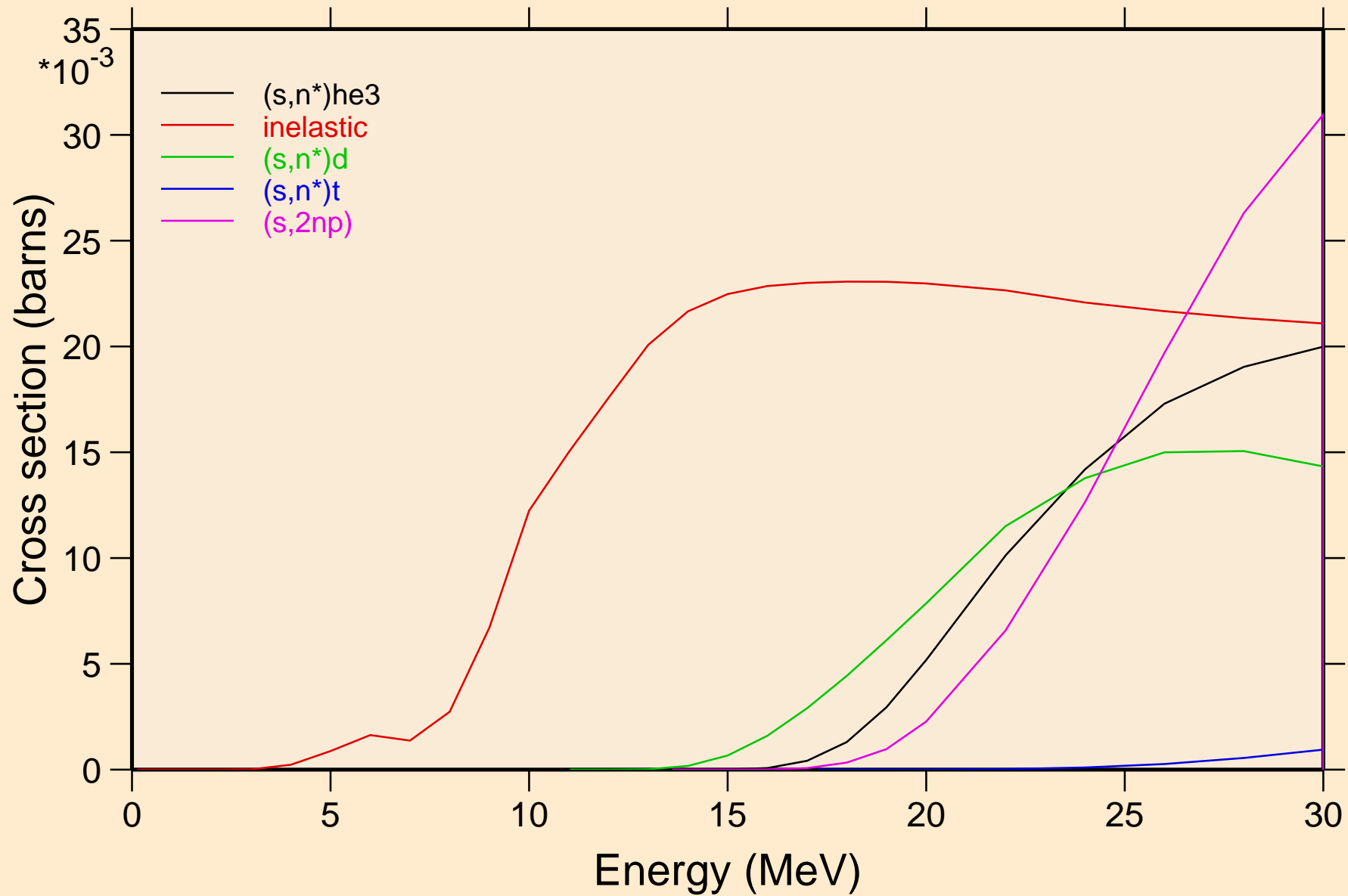


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## Threshold reactions

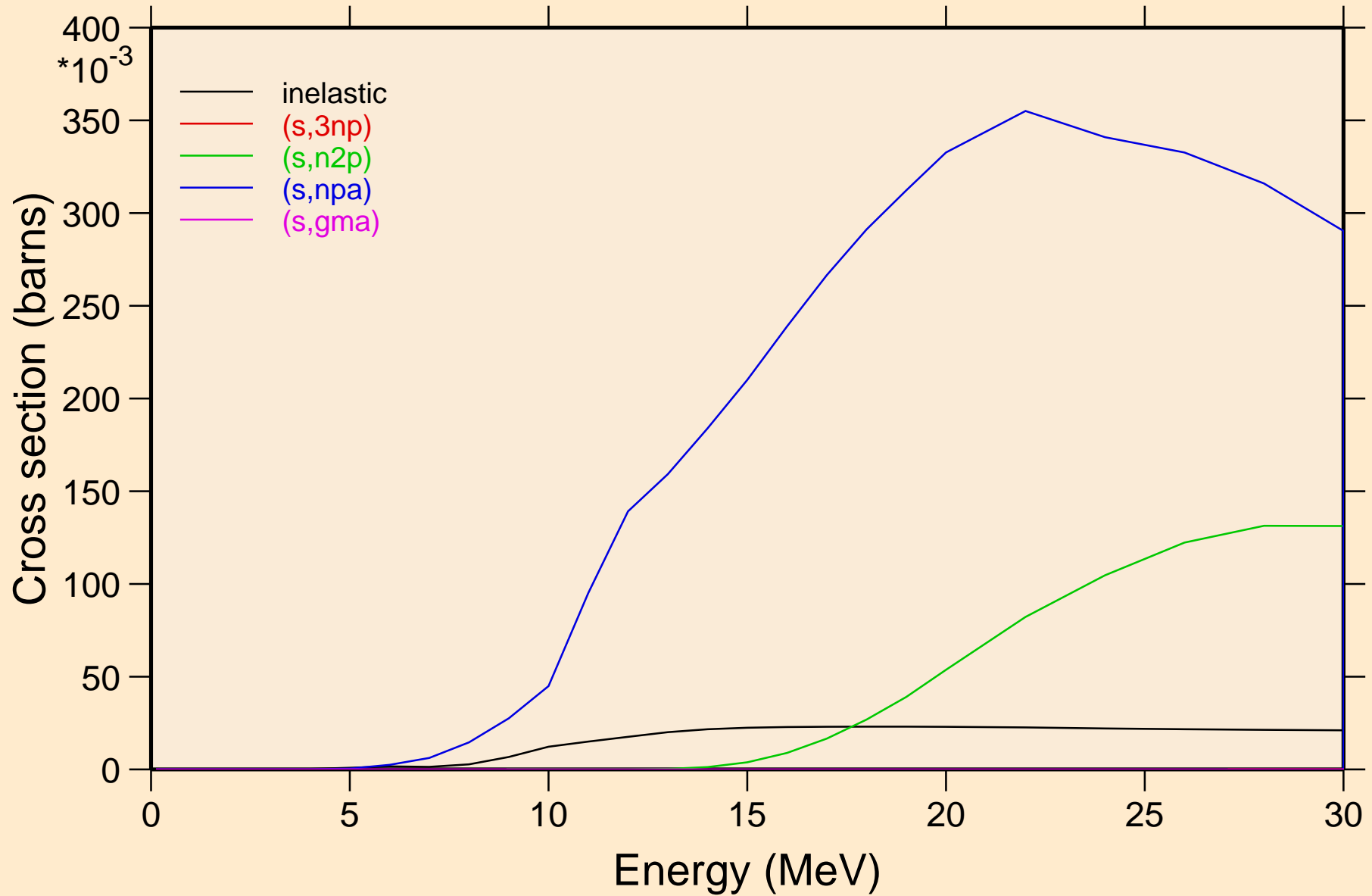


F019 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



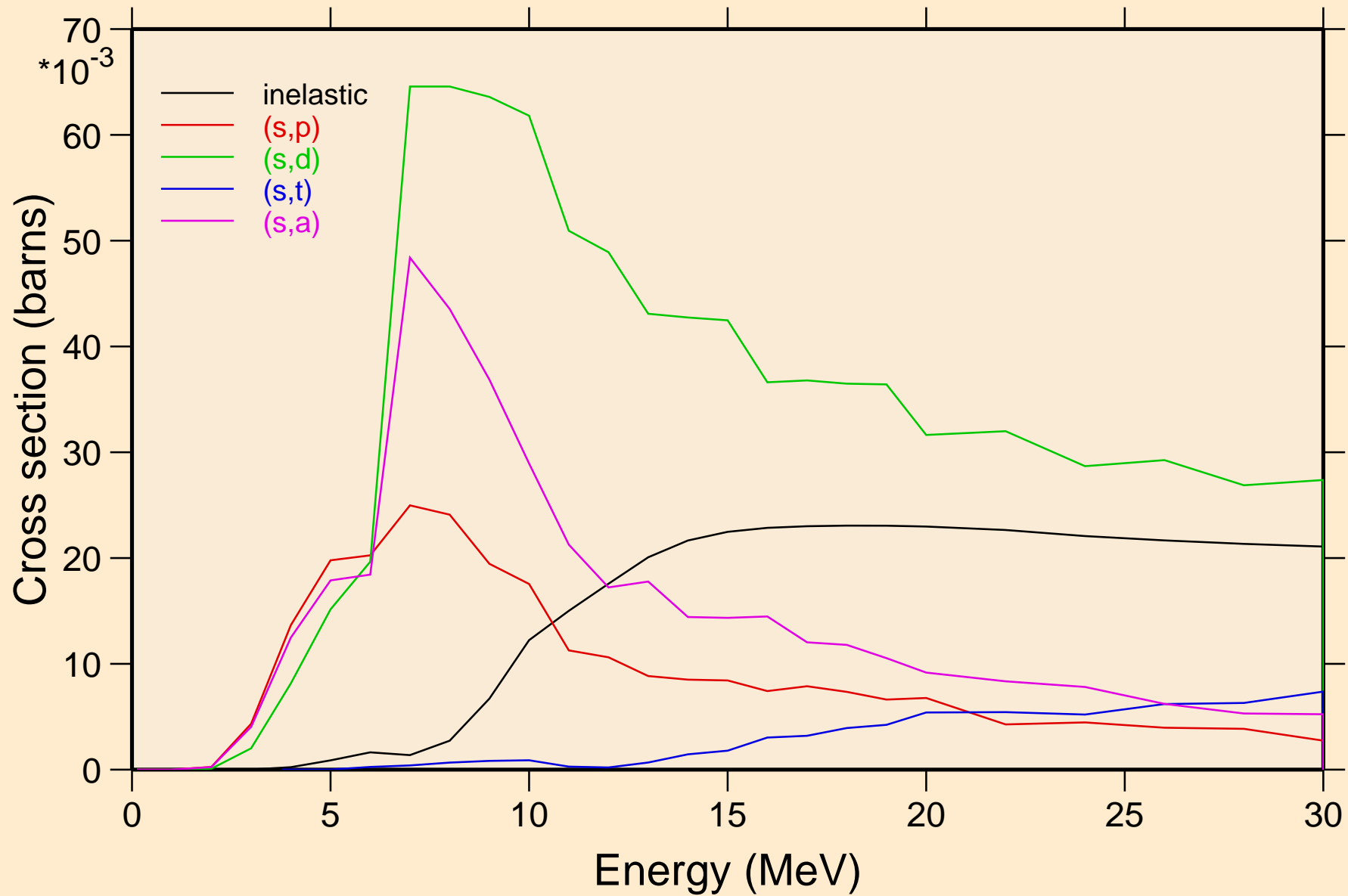
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## Threshold reactions

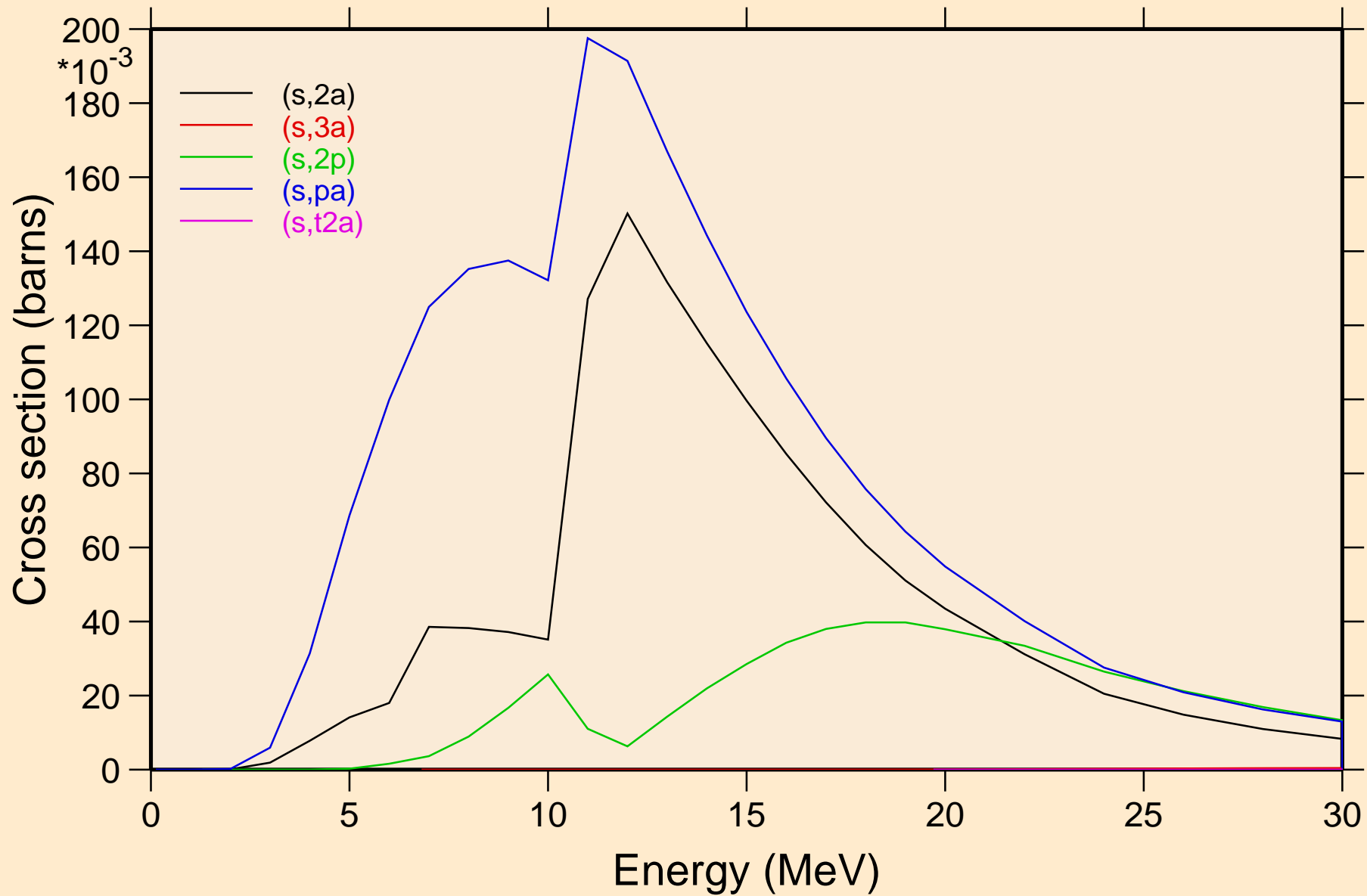


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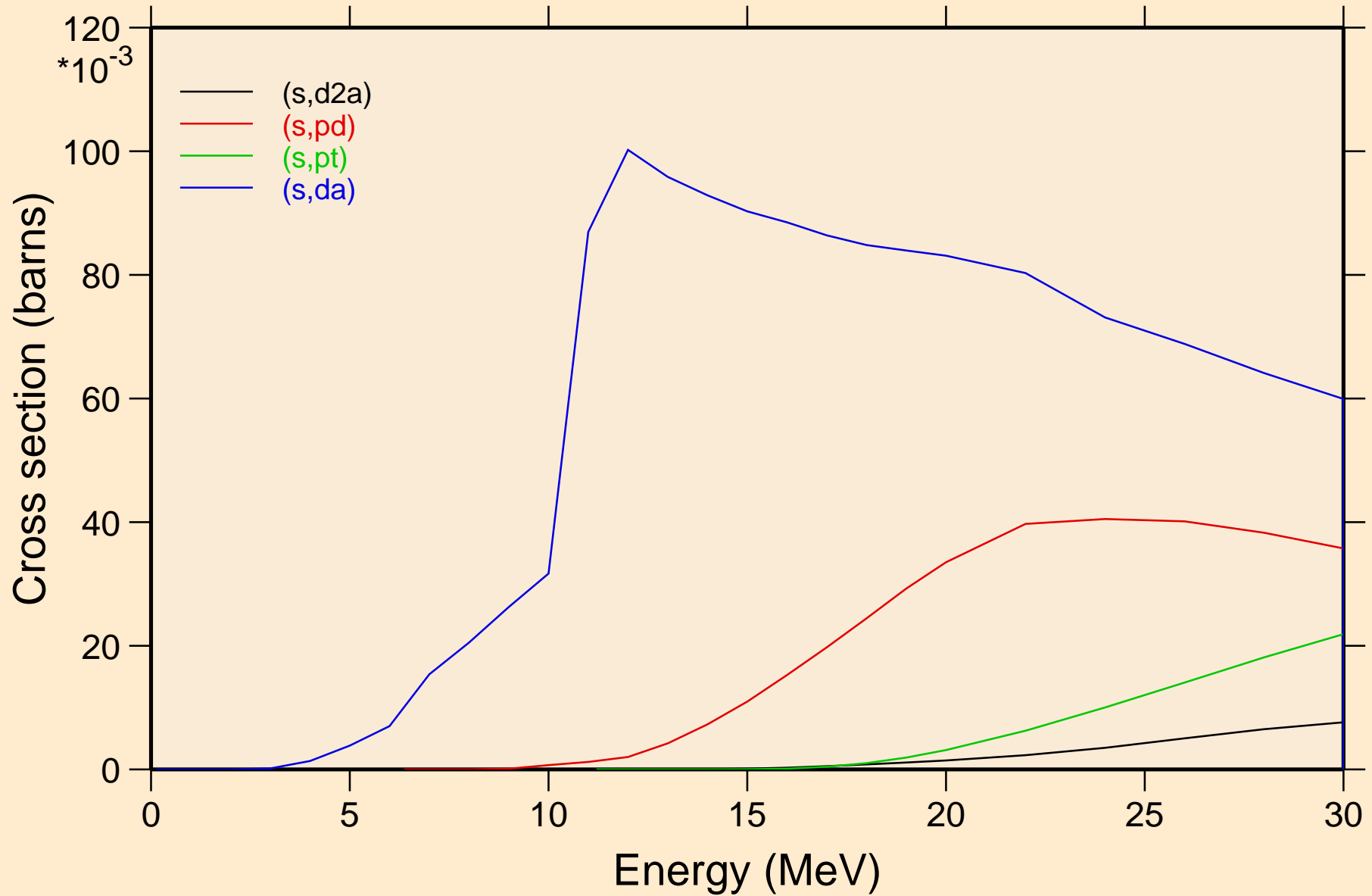
## Threshold reactions



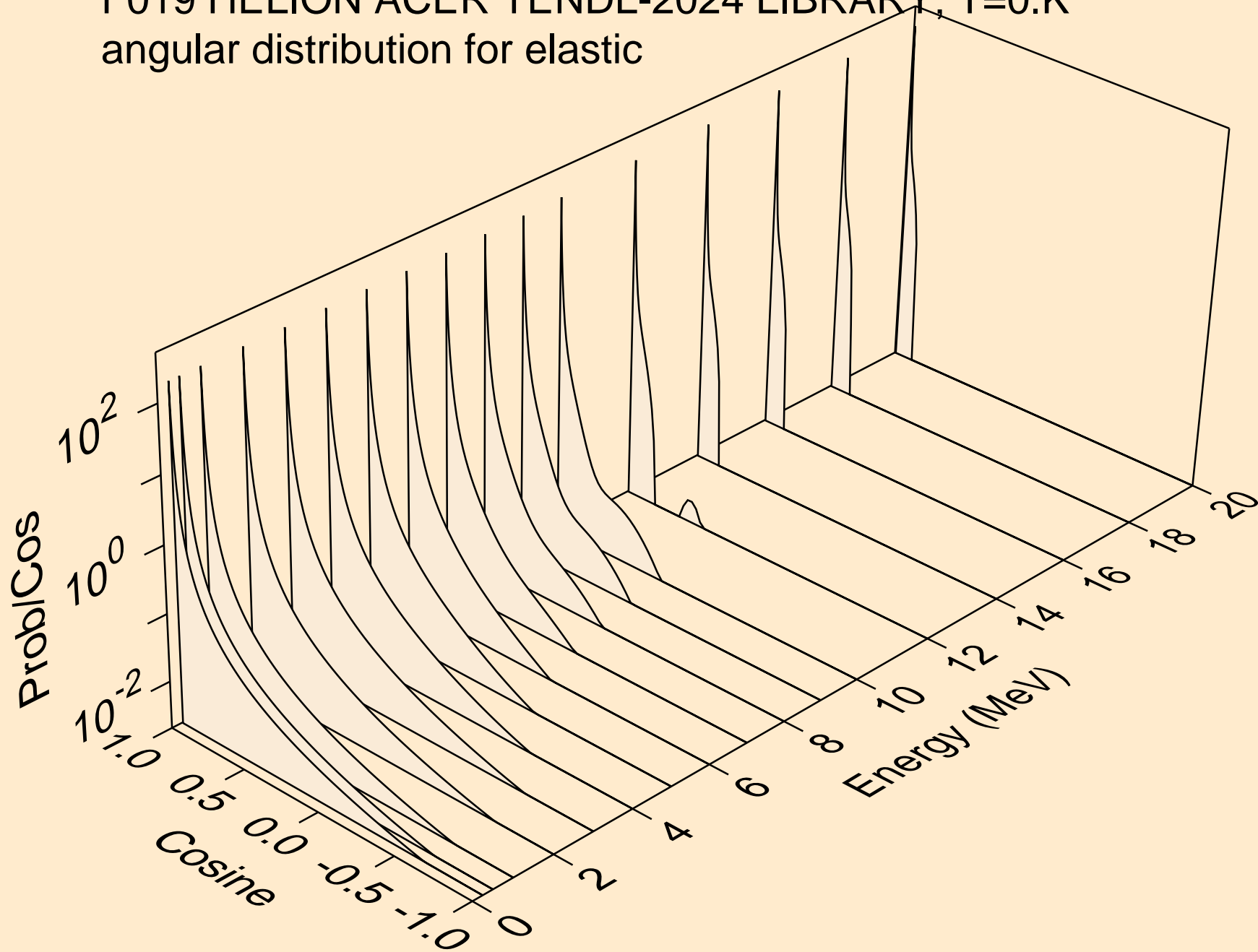
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Threshold reactions



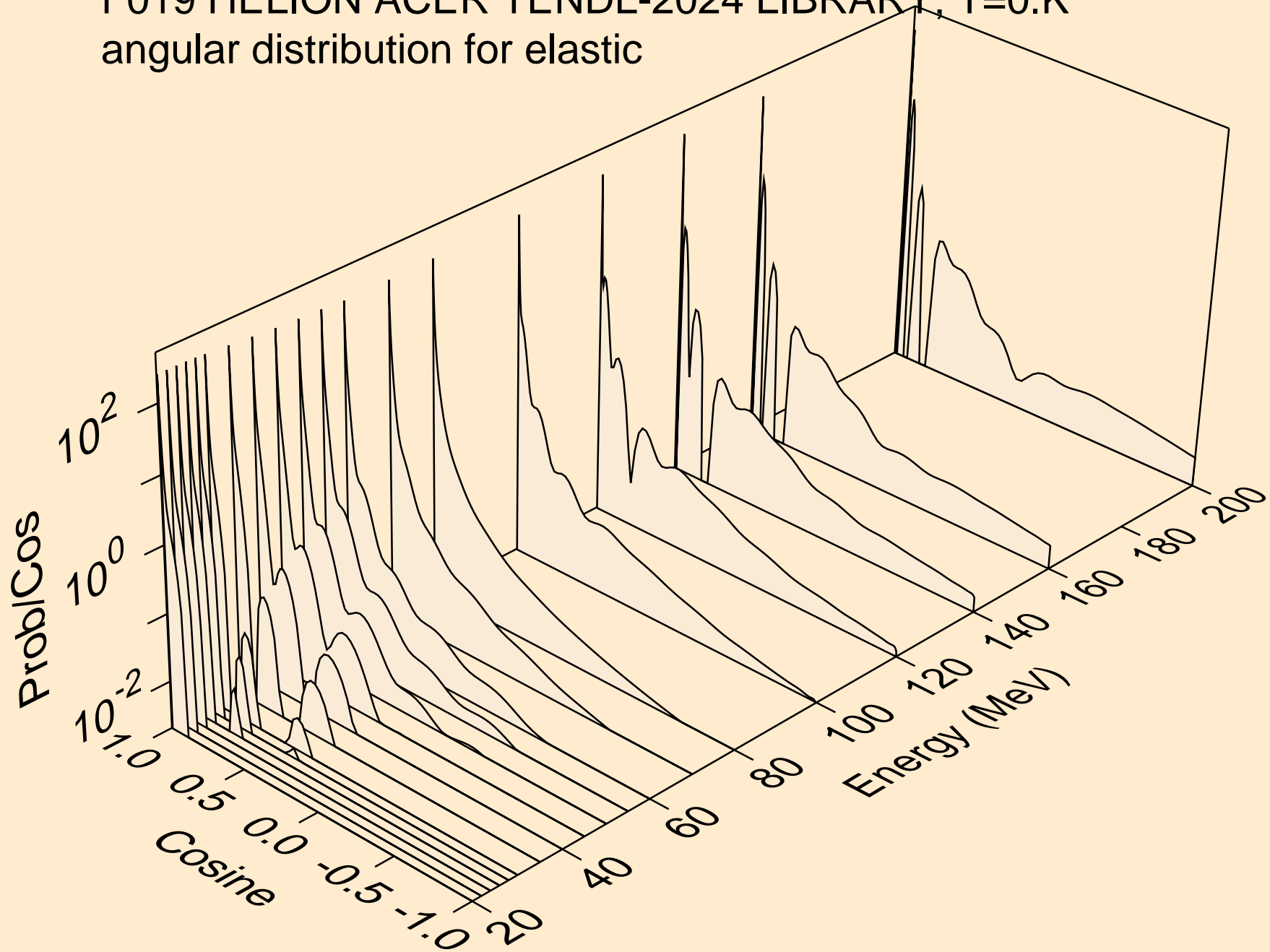
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Threshold reactions



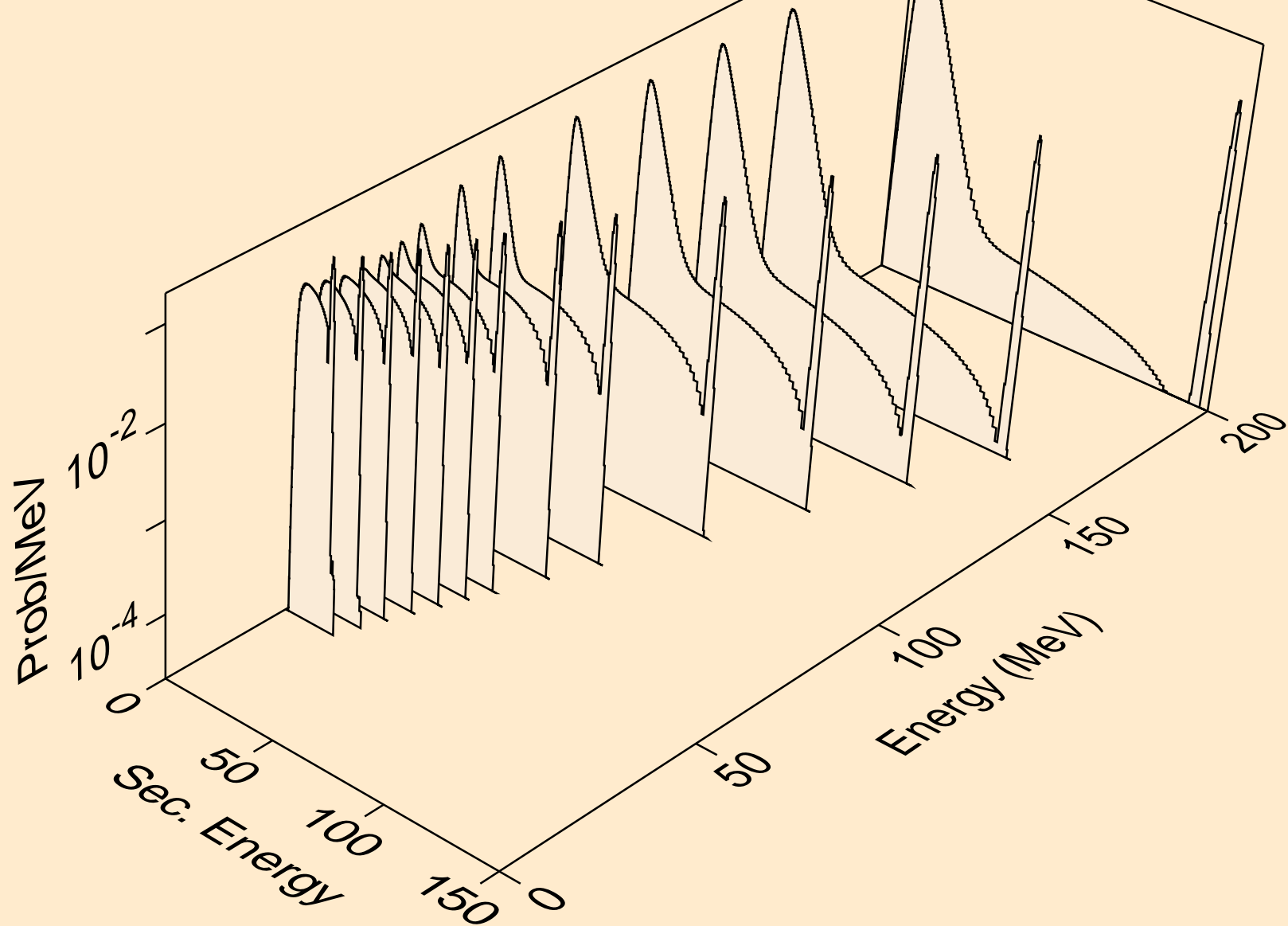
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angular distribution for elastic



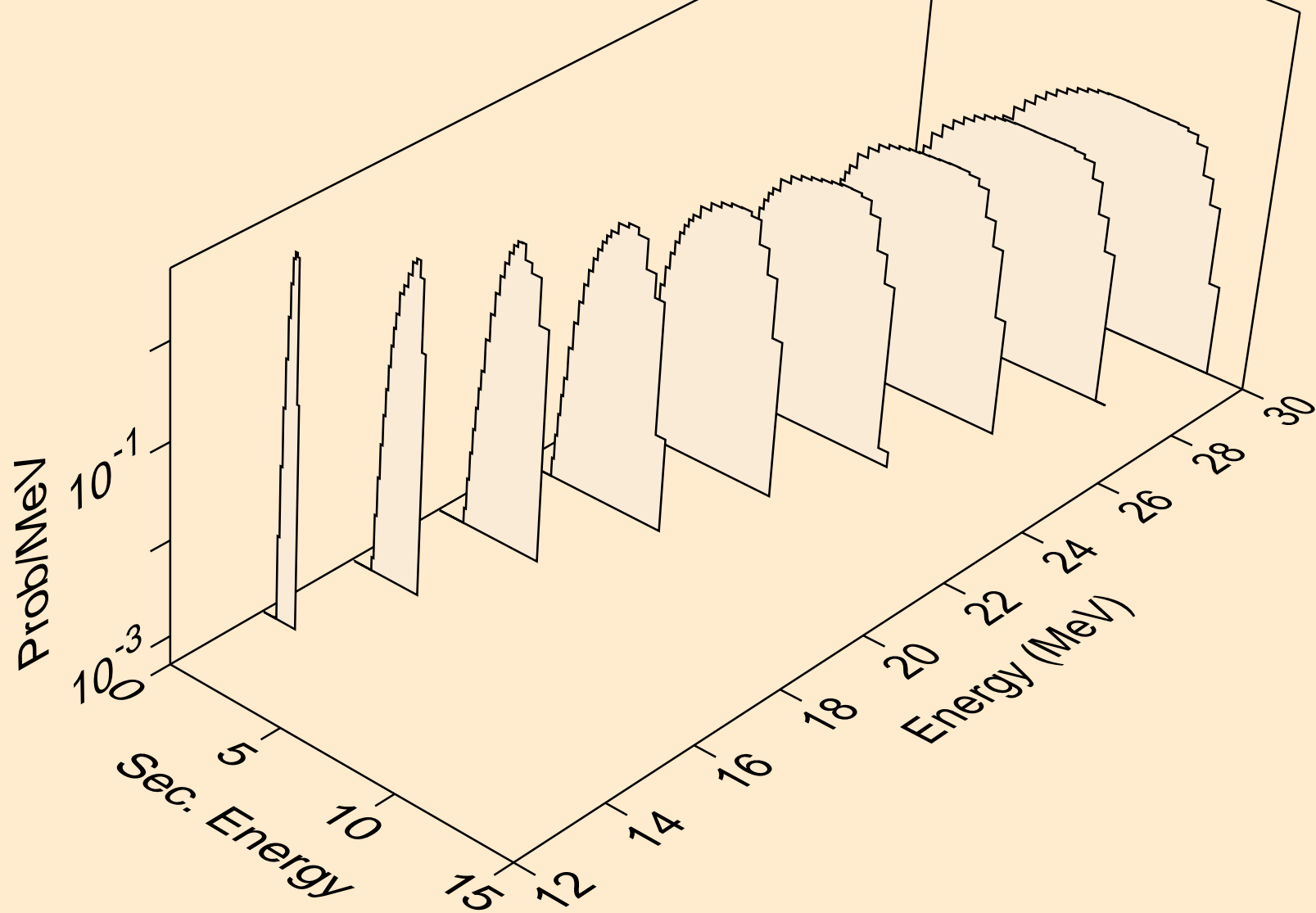
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angular distribution for elastic



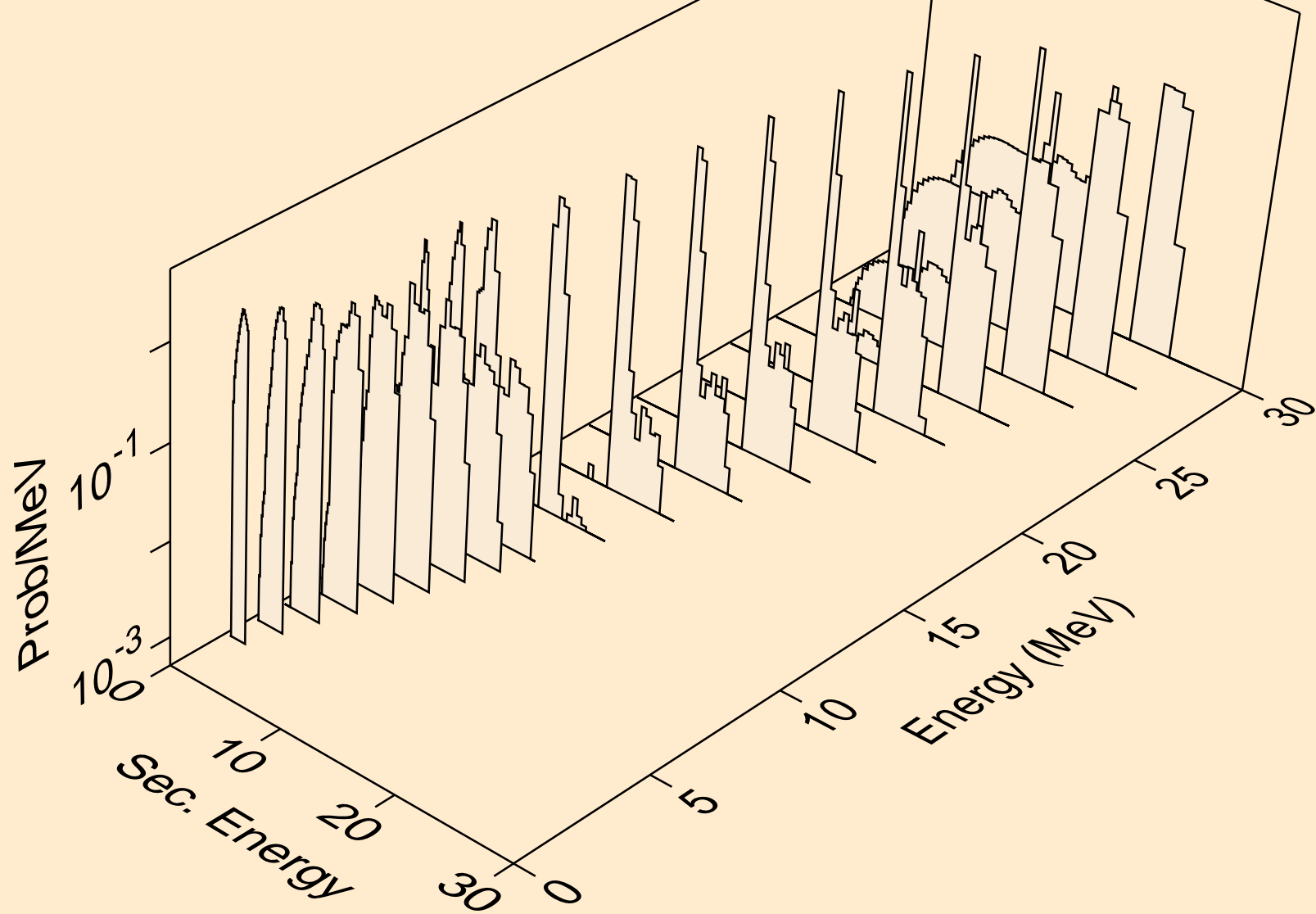
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He-3 emission for (s,x)



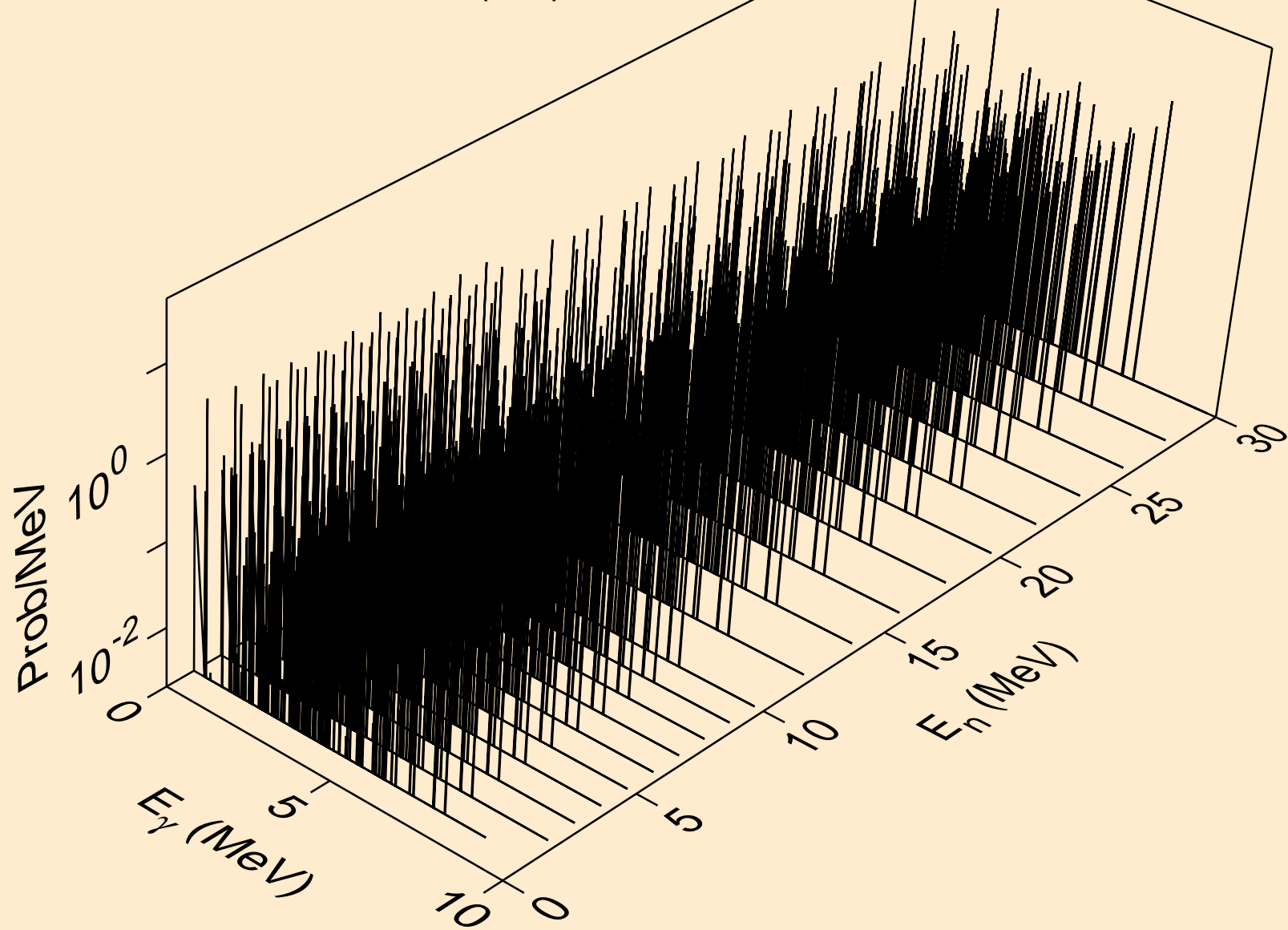
F019 HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3



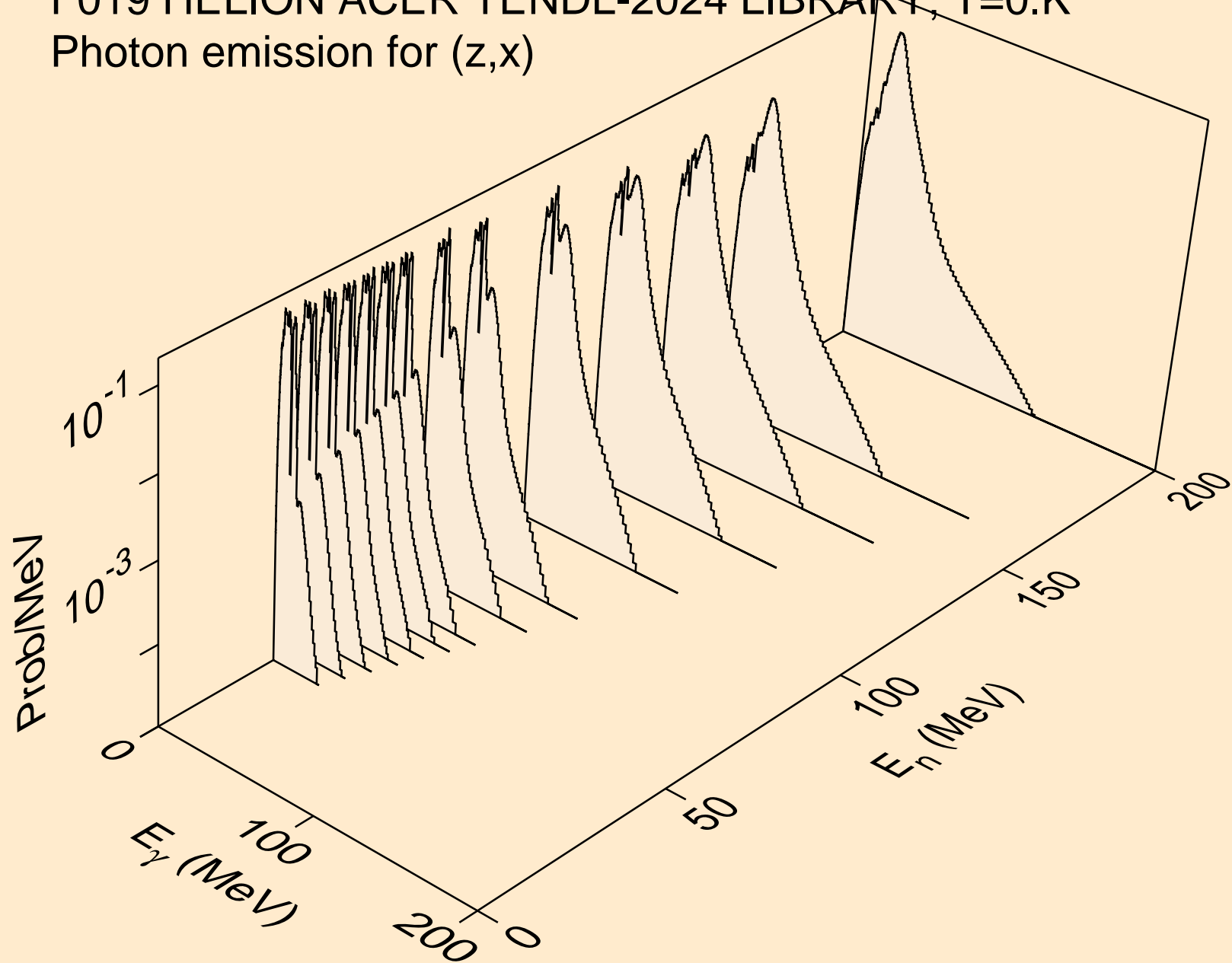
F019 HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for inelastic



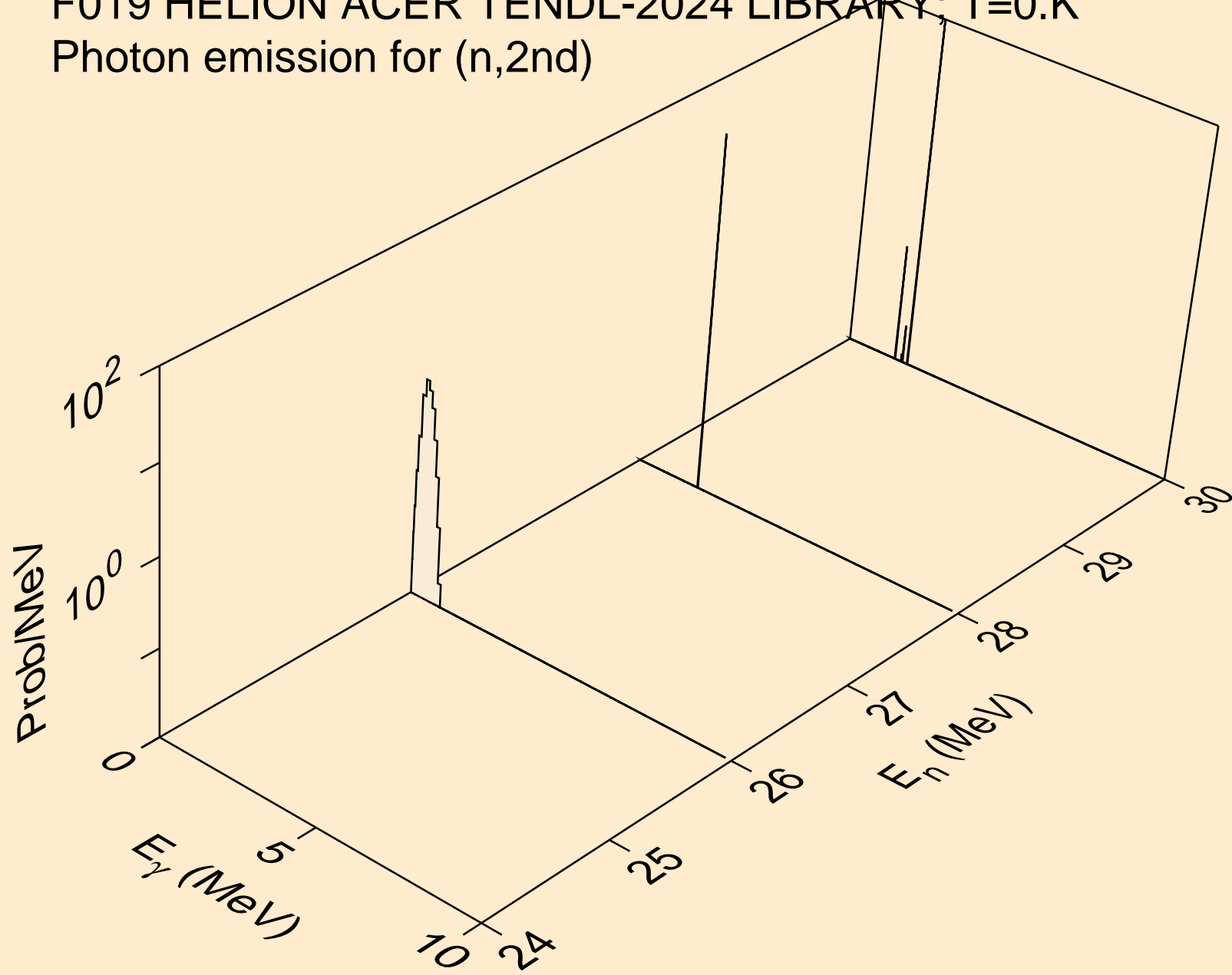
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Photon emission for (z,n)



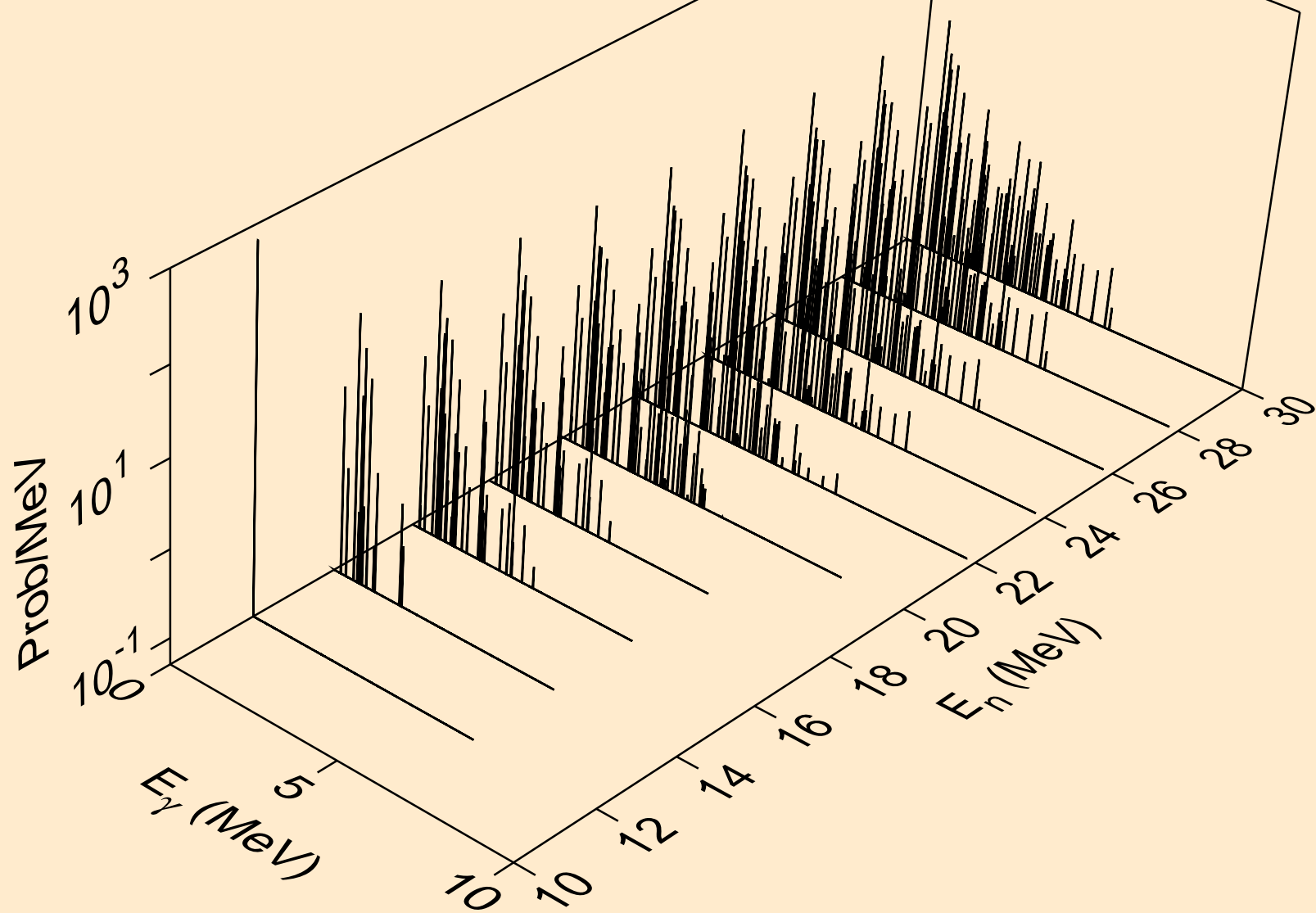
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Photon emission for (z,x)



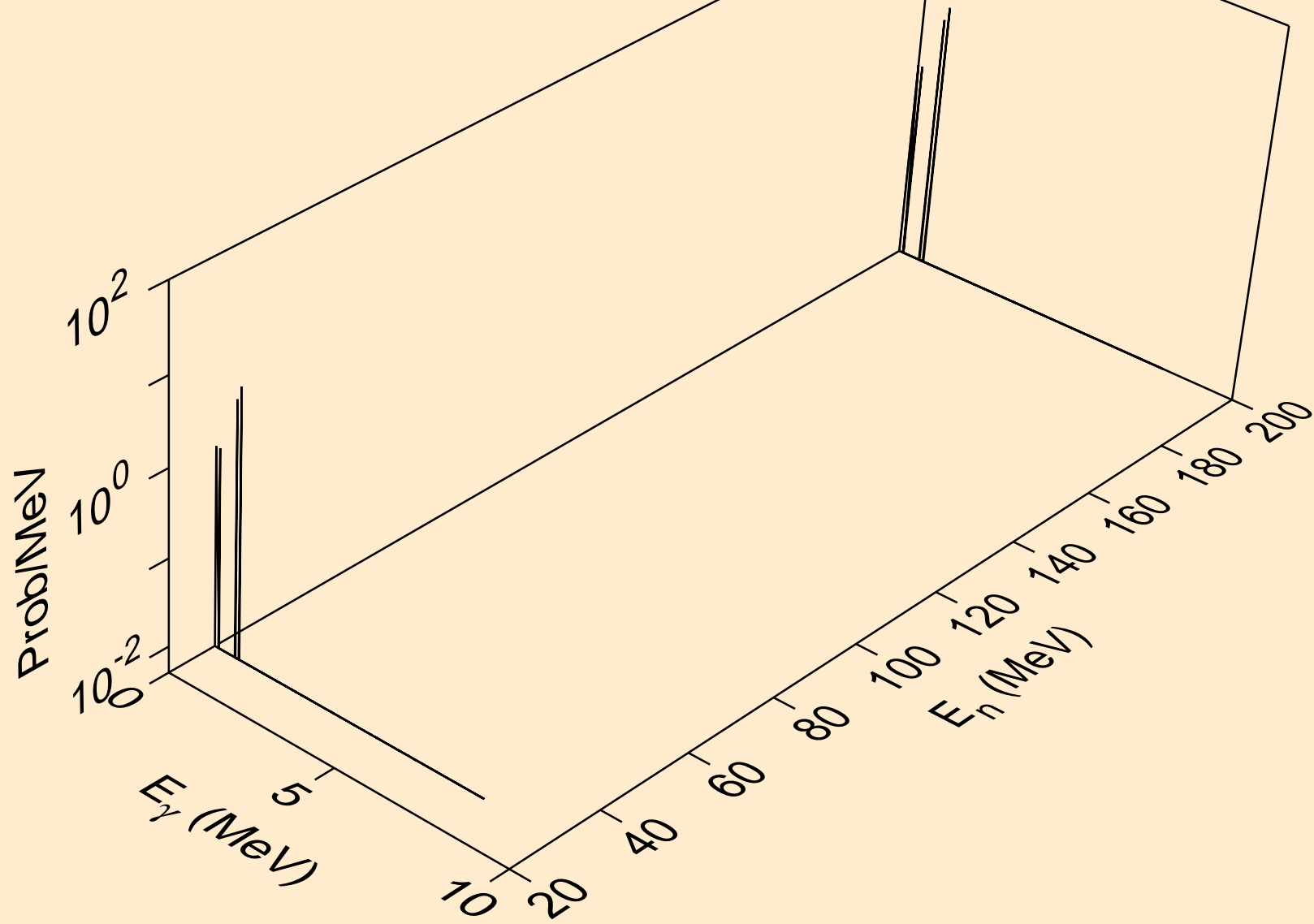
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Photon emission for (n,2nd)



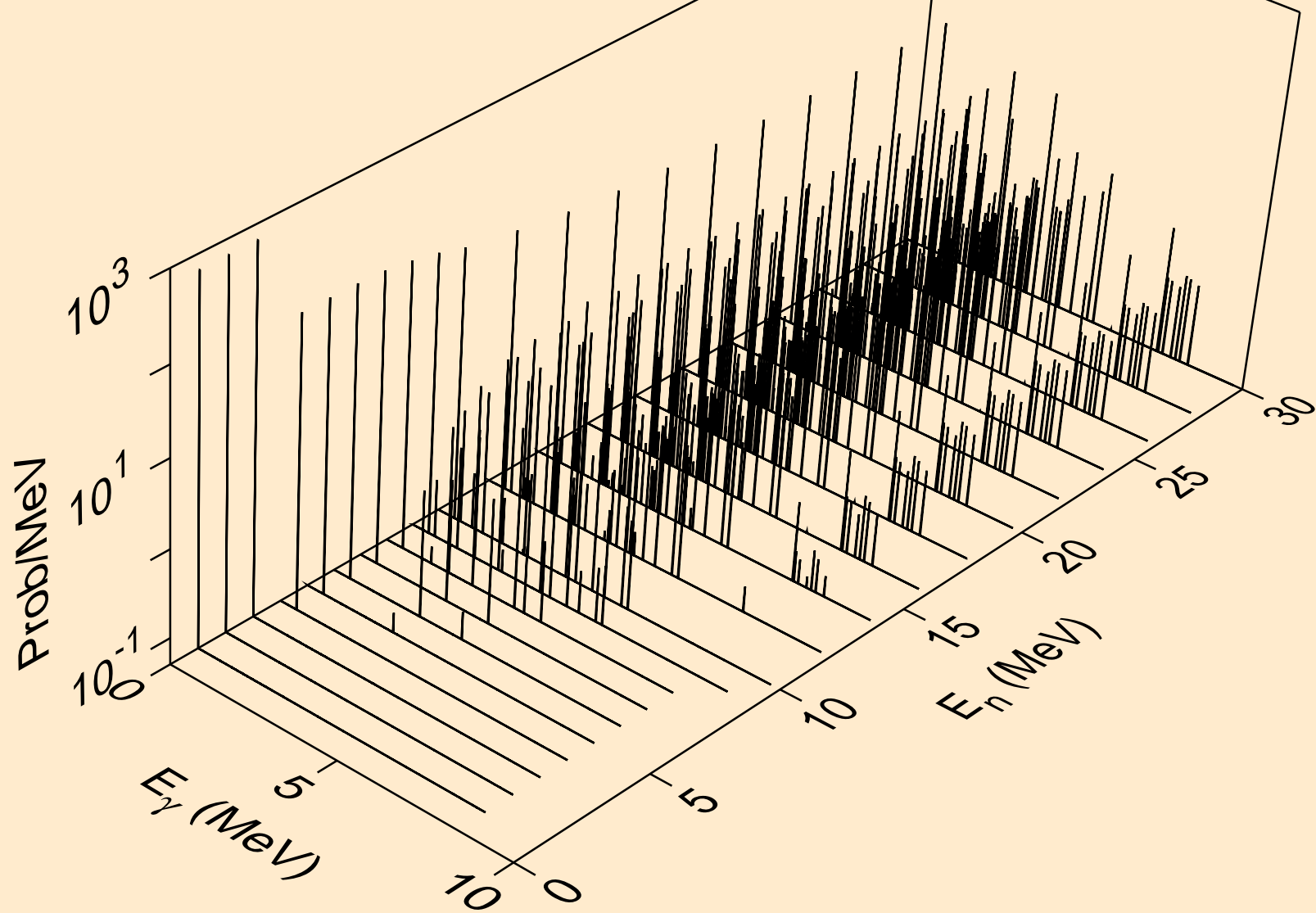
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Photon emission for (n,2n)



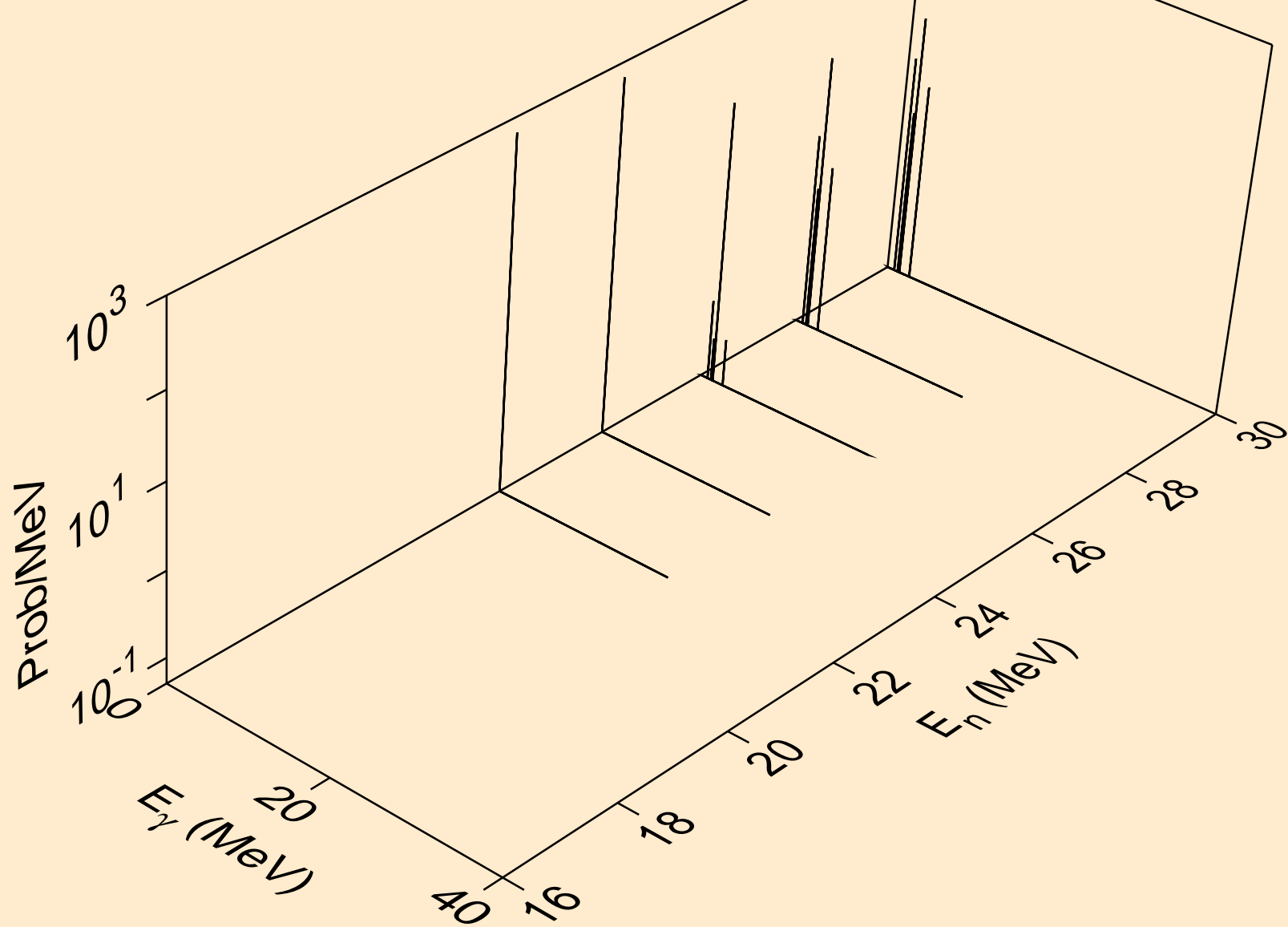
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Photon emission for (n,3n)



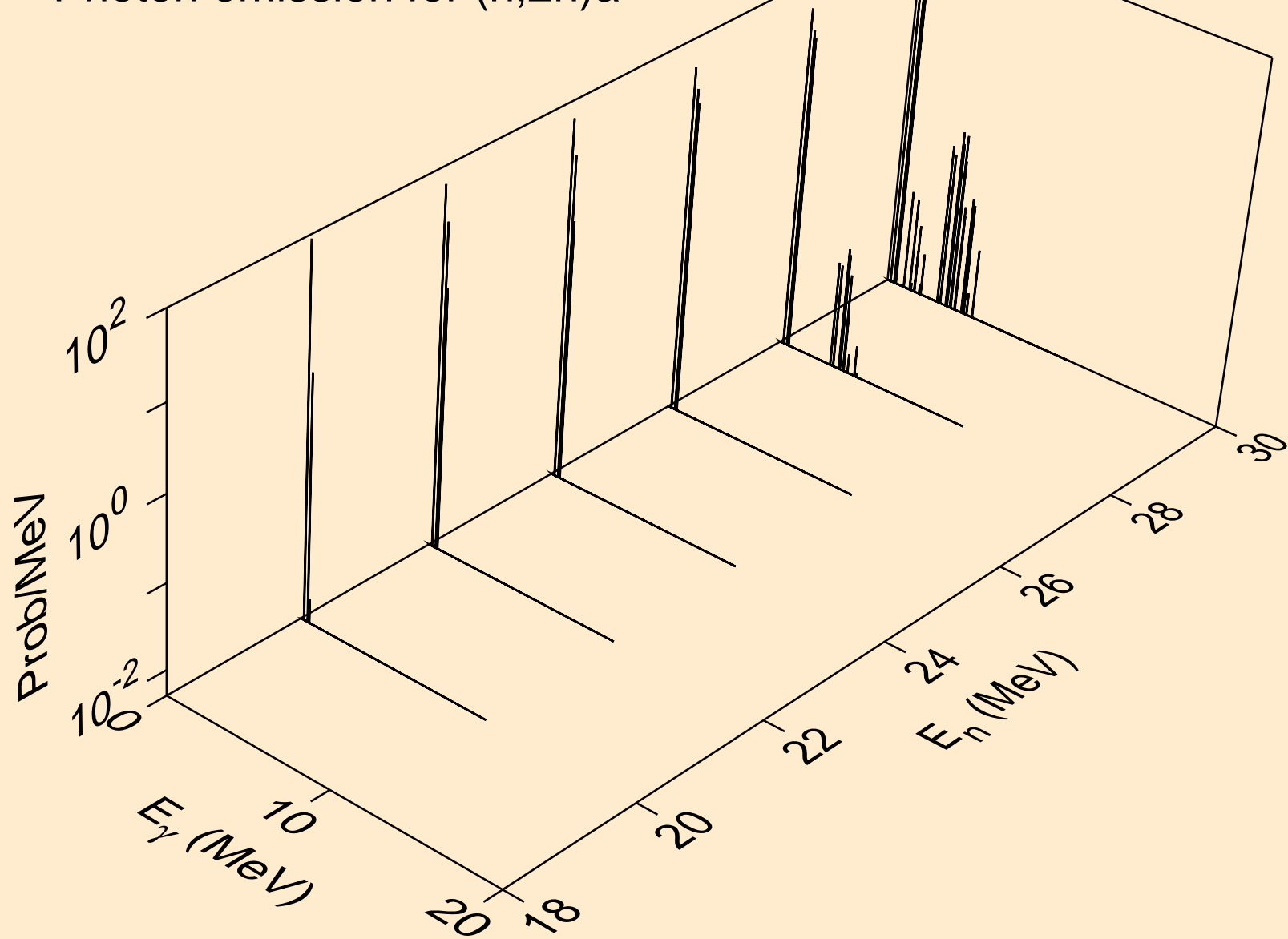
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Photon emission for (n,n\*)a



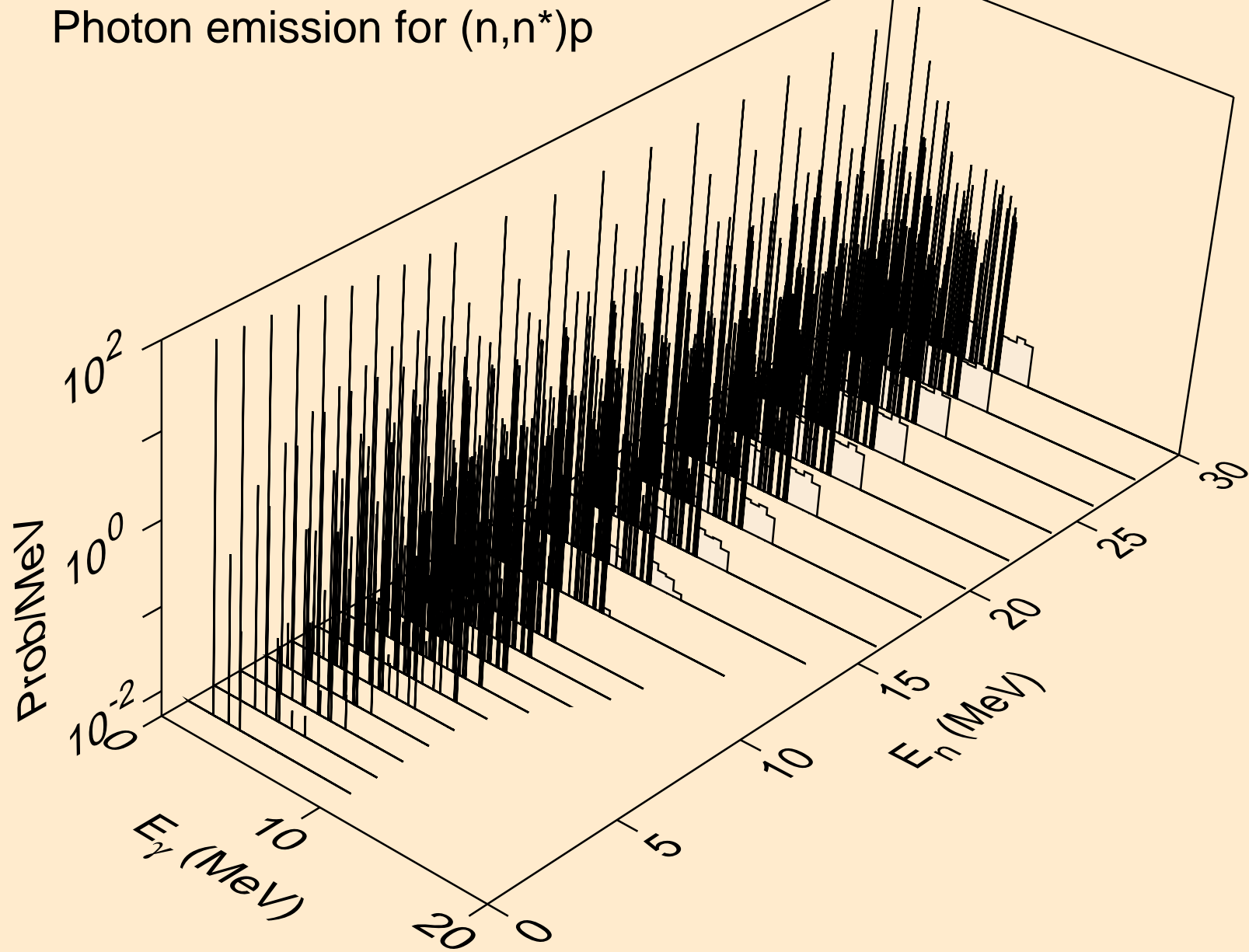
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Photon emission for (n,n\*)3a



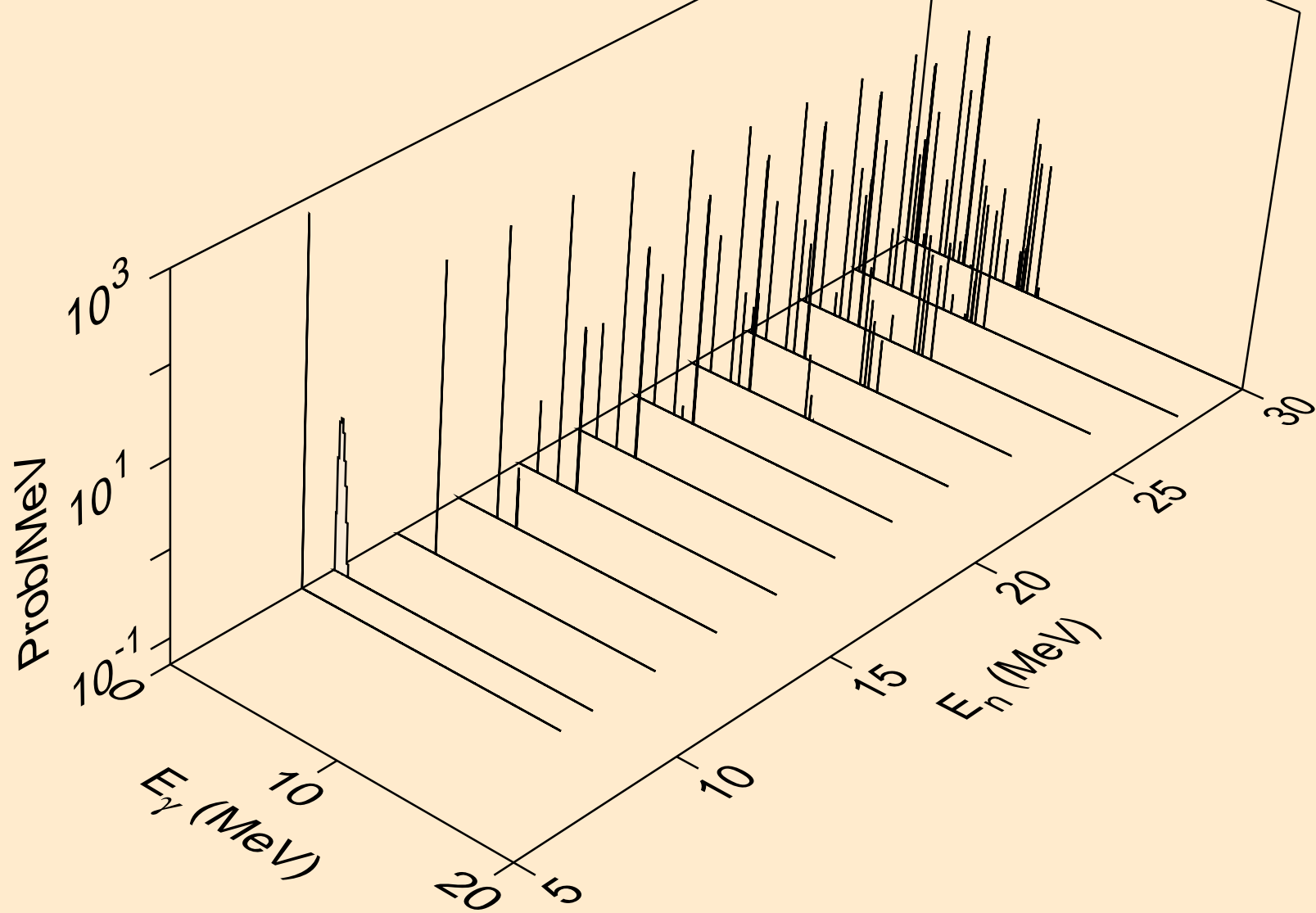
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Photon emission for (n,2n)a



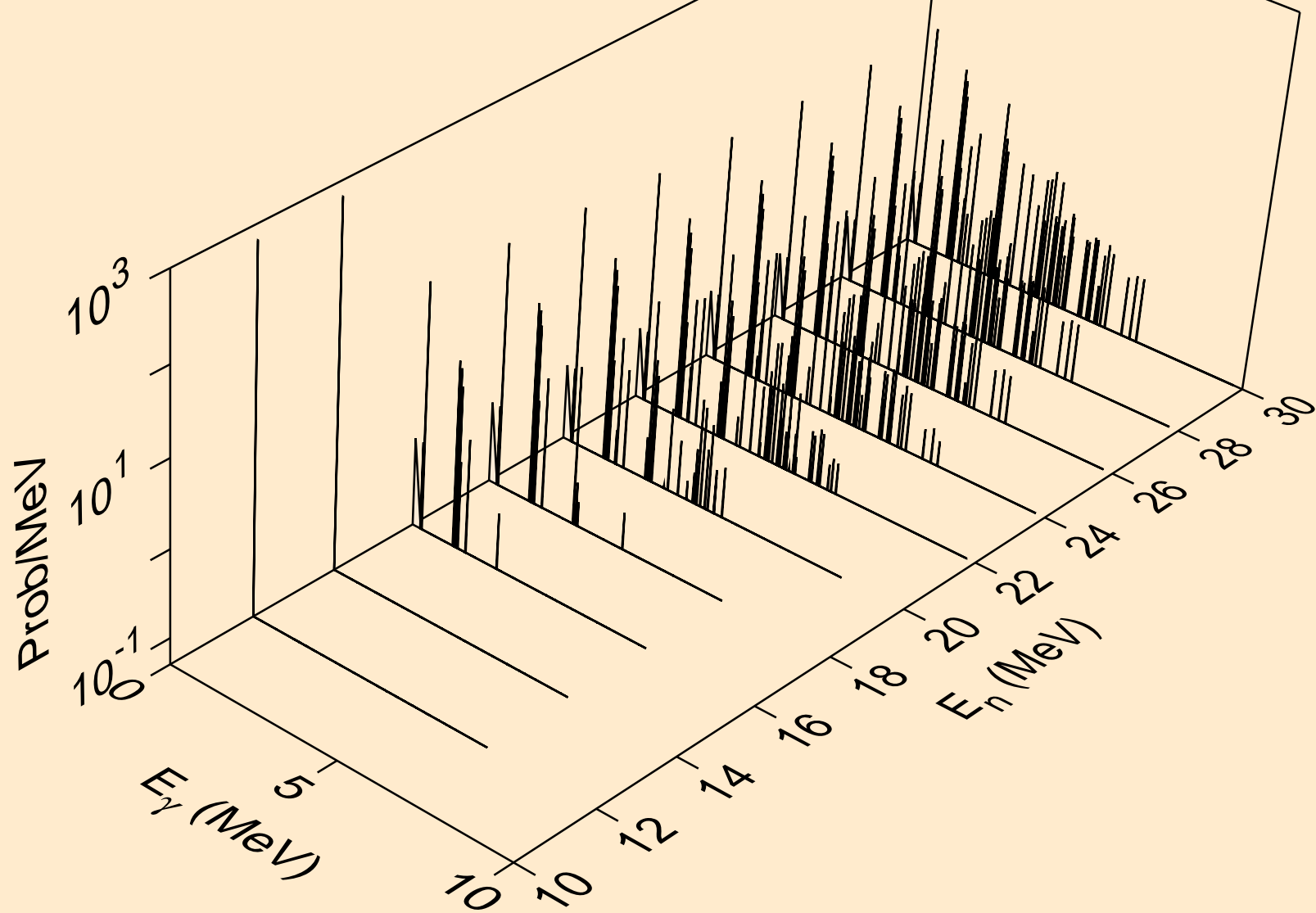
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Photon emission for (n,n\*)p



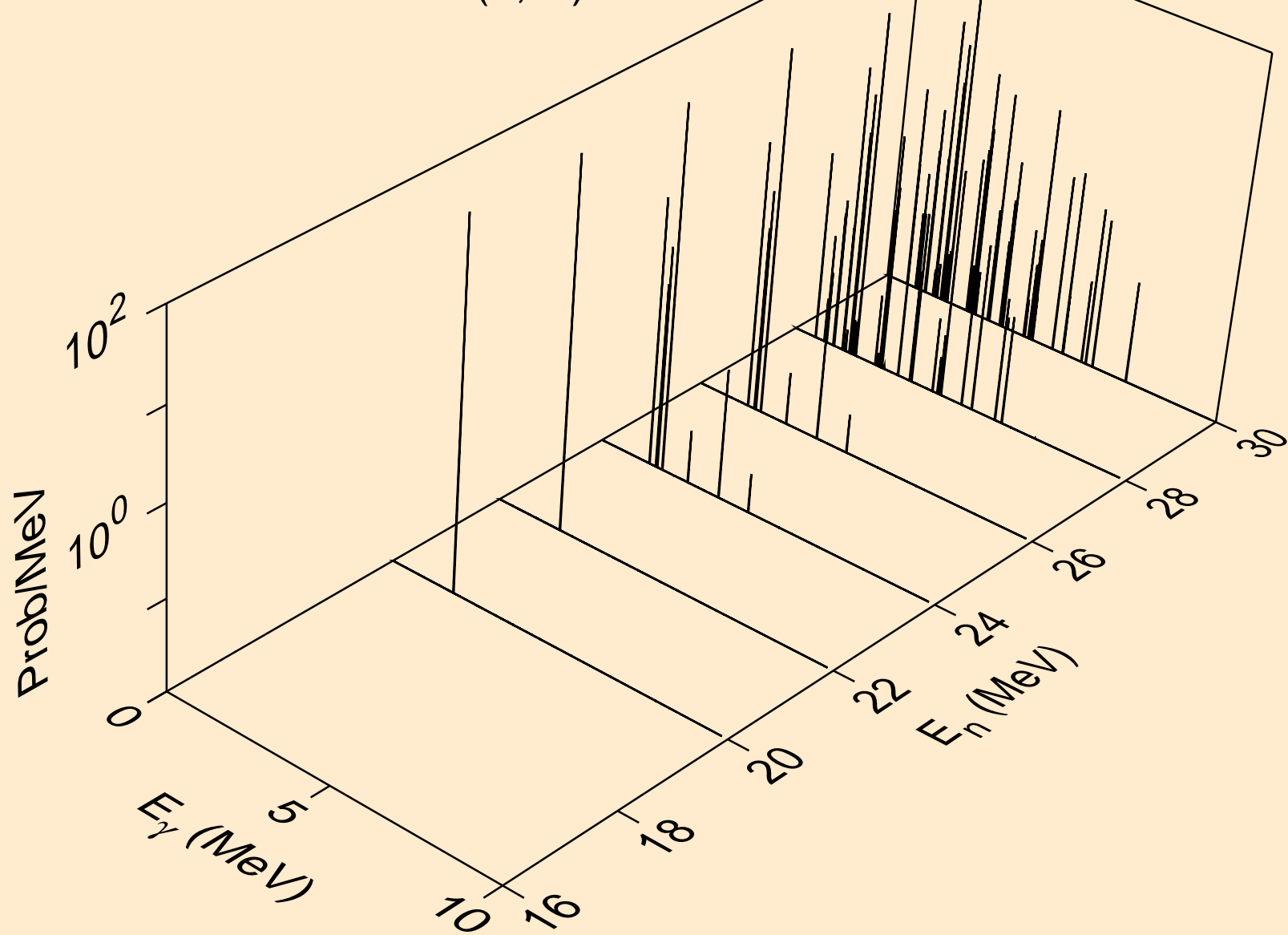
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Photon emission for (n,n\*)2a



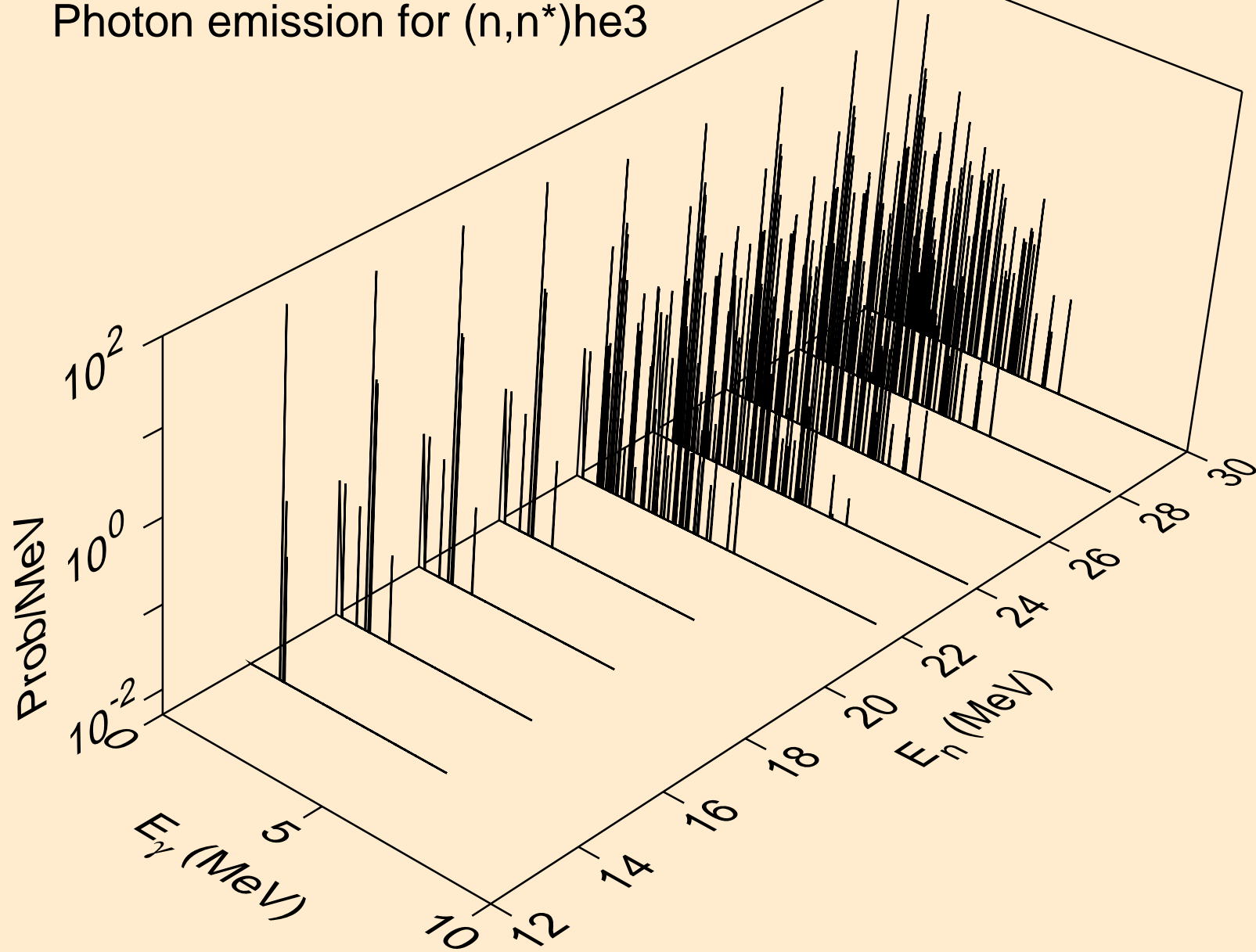
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Photon emission for (n,n\*)d



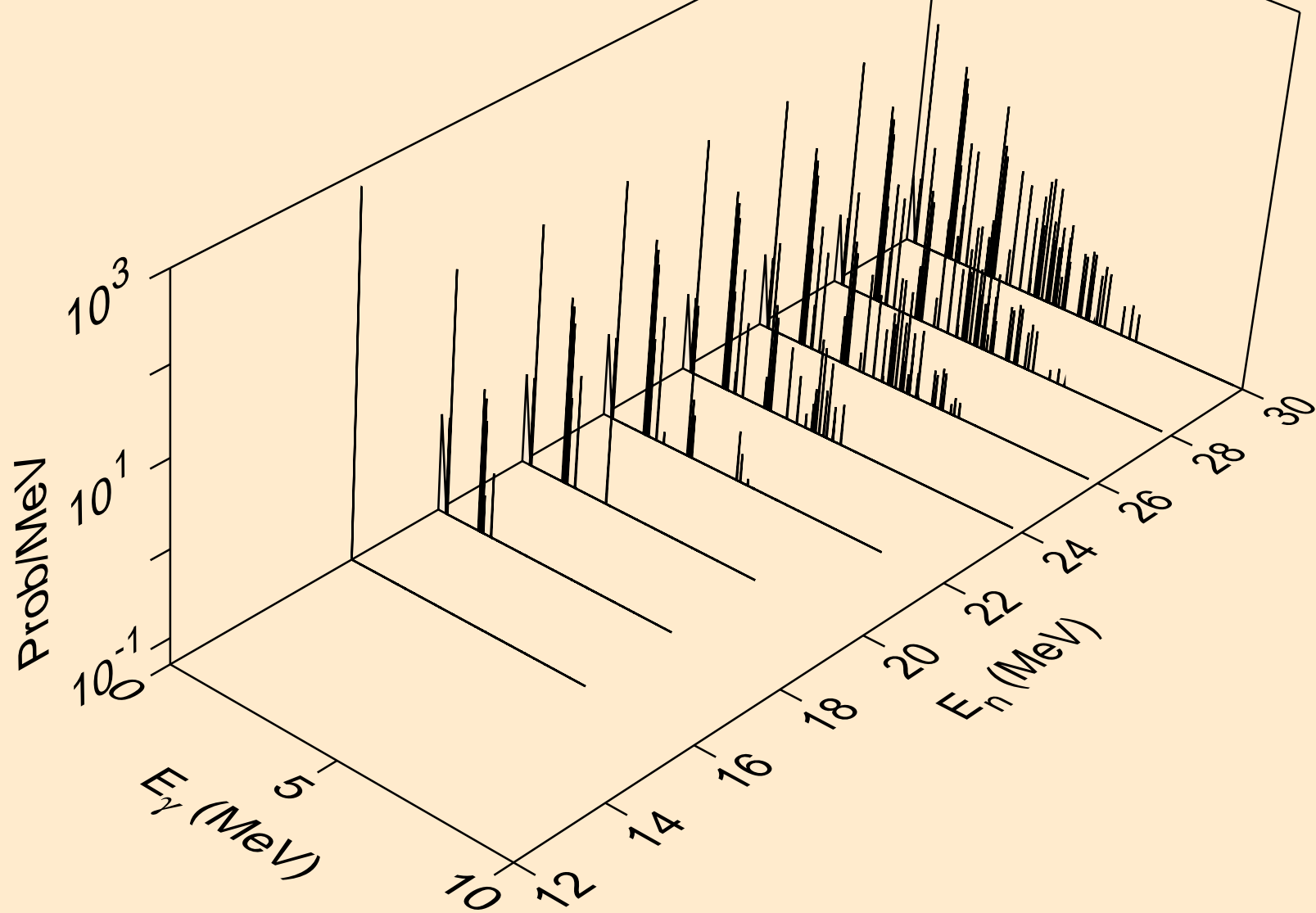
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Photon emission for (n,n\*)t



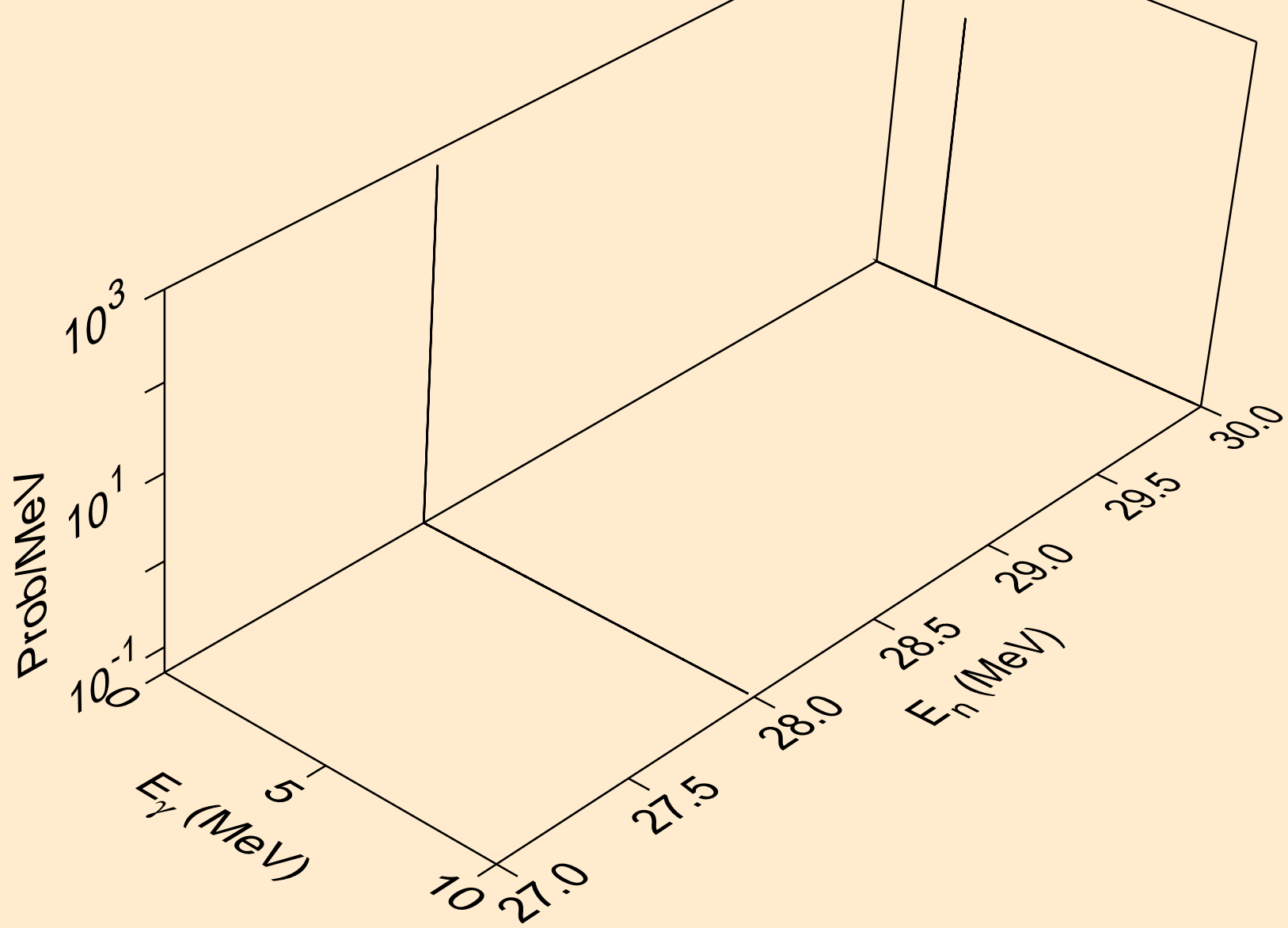
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Photon emission for (n,n\*)he3



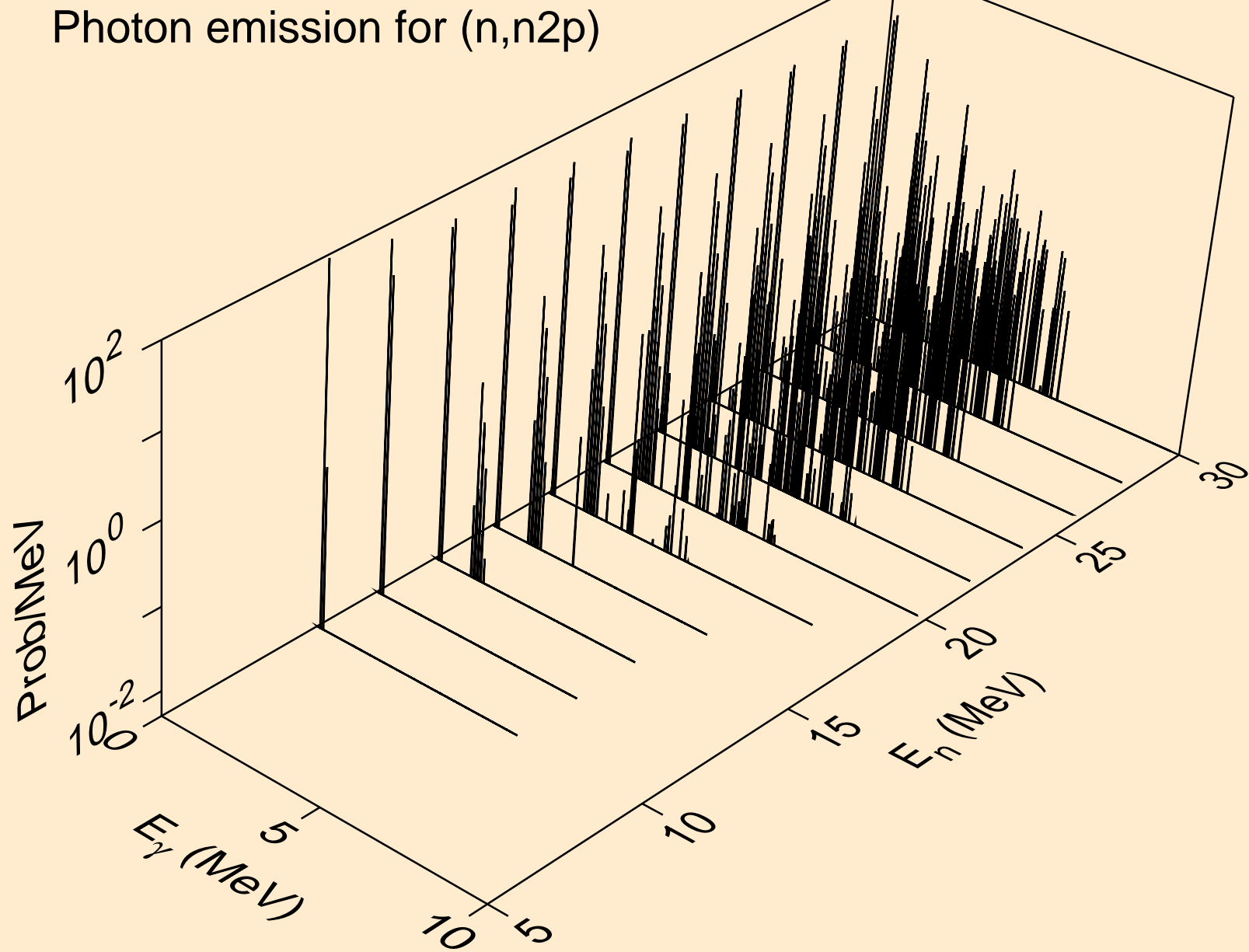
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Photon emission for (n,2np)



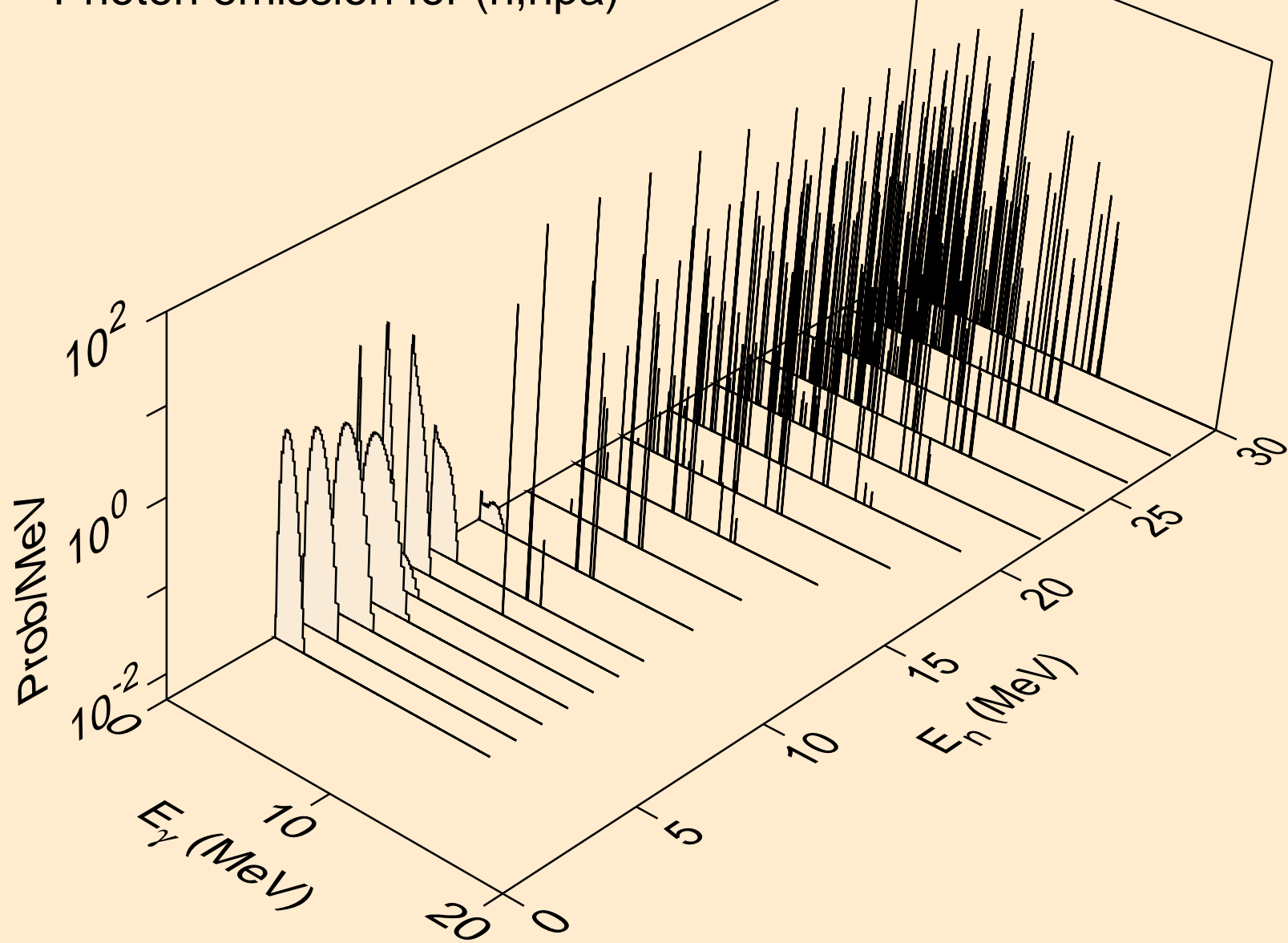
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Photon emission for (n,3np)



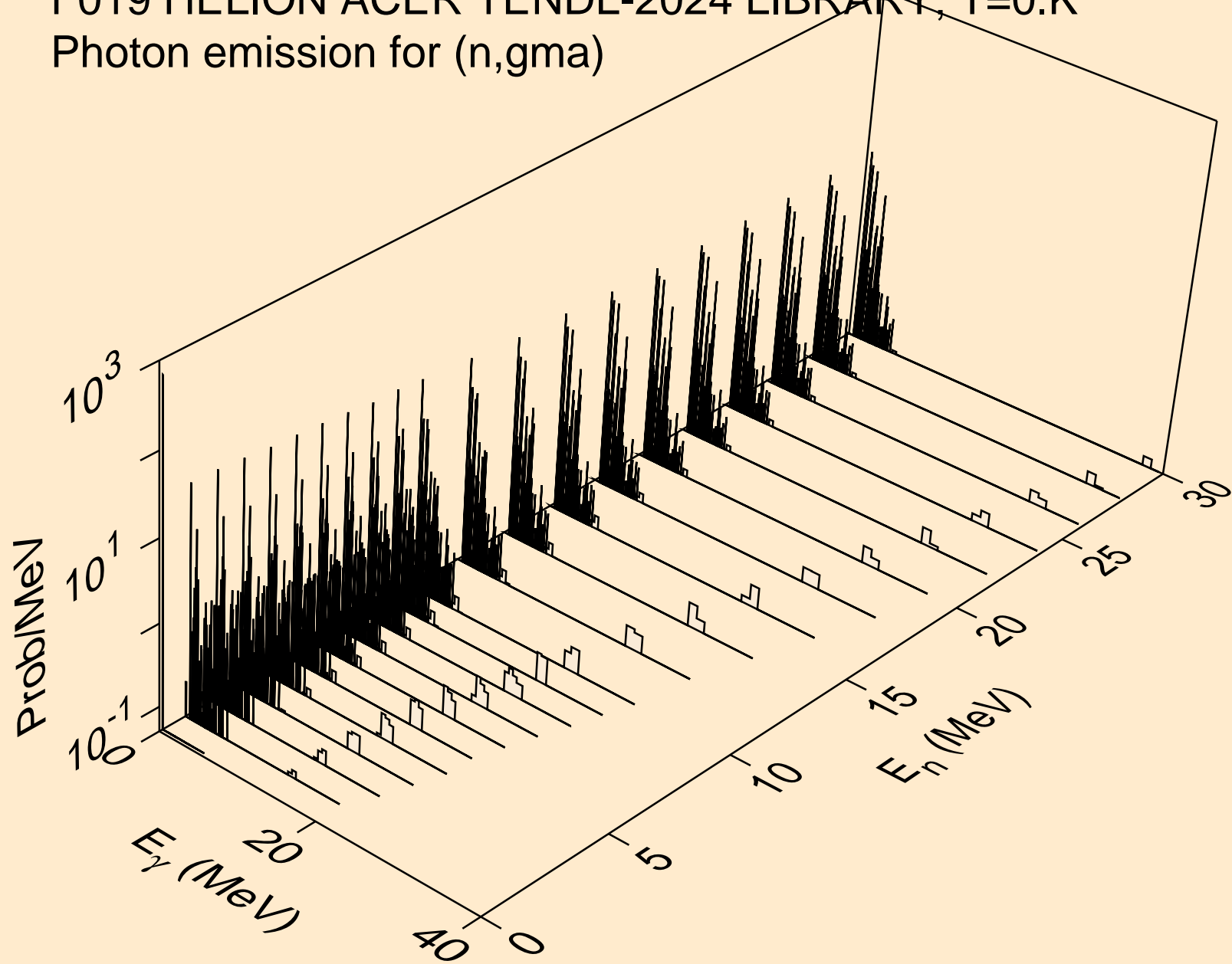
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Photon emission for (n,n2p)



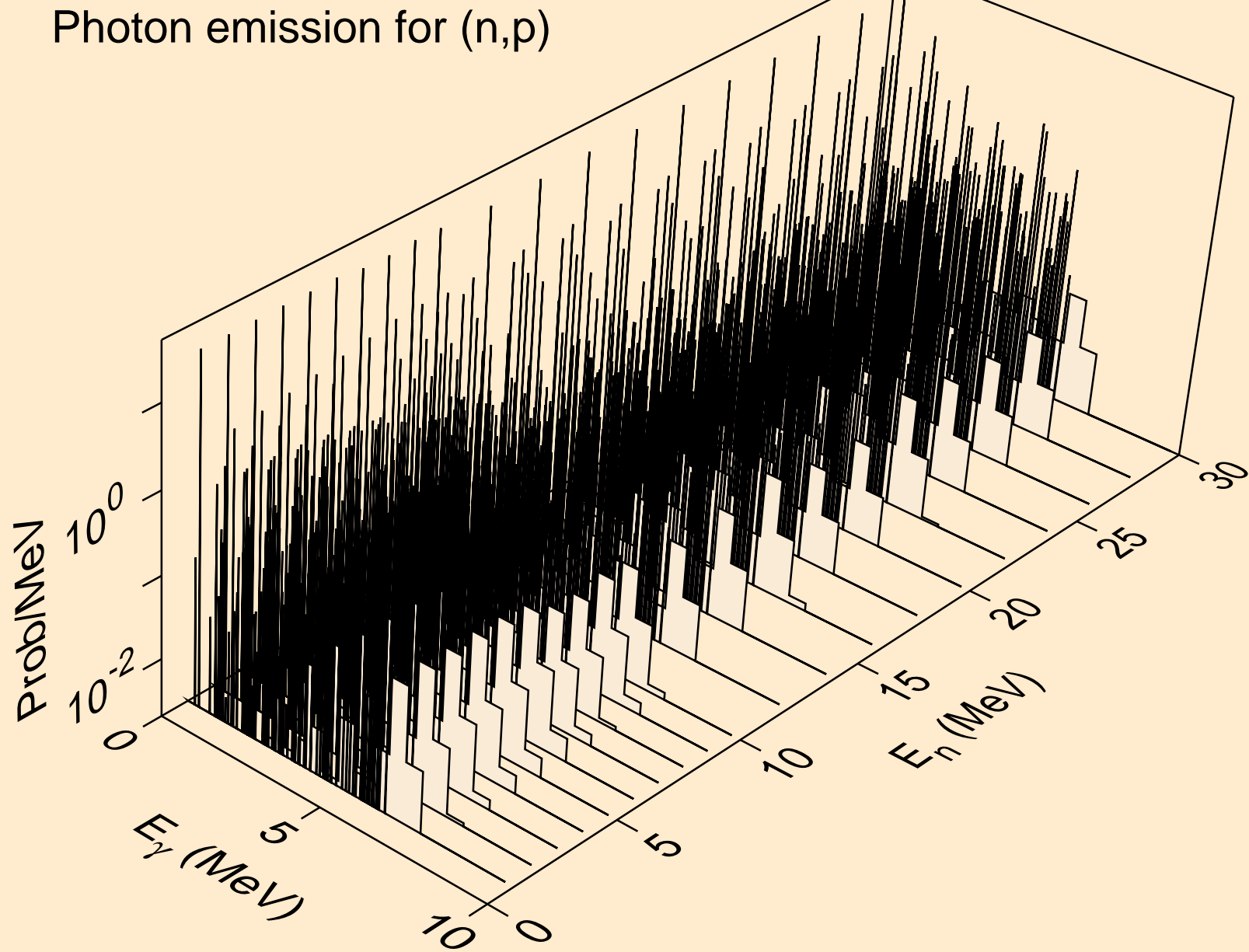
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Photon emission for (n,npa)



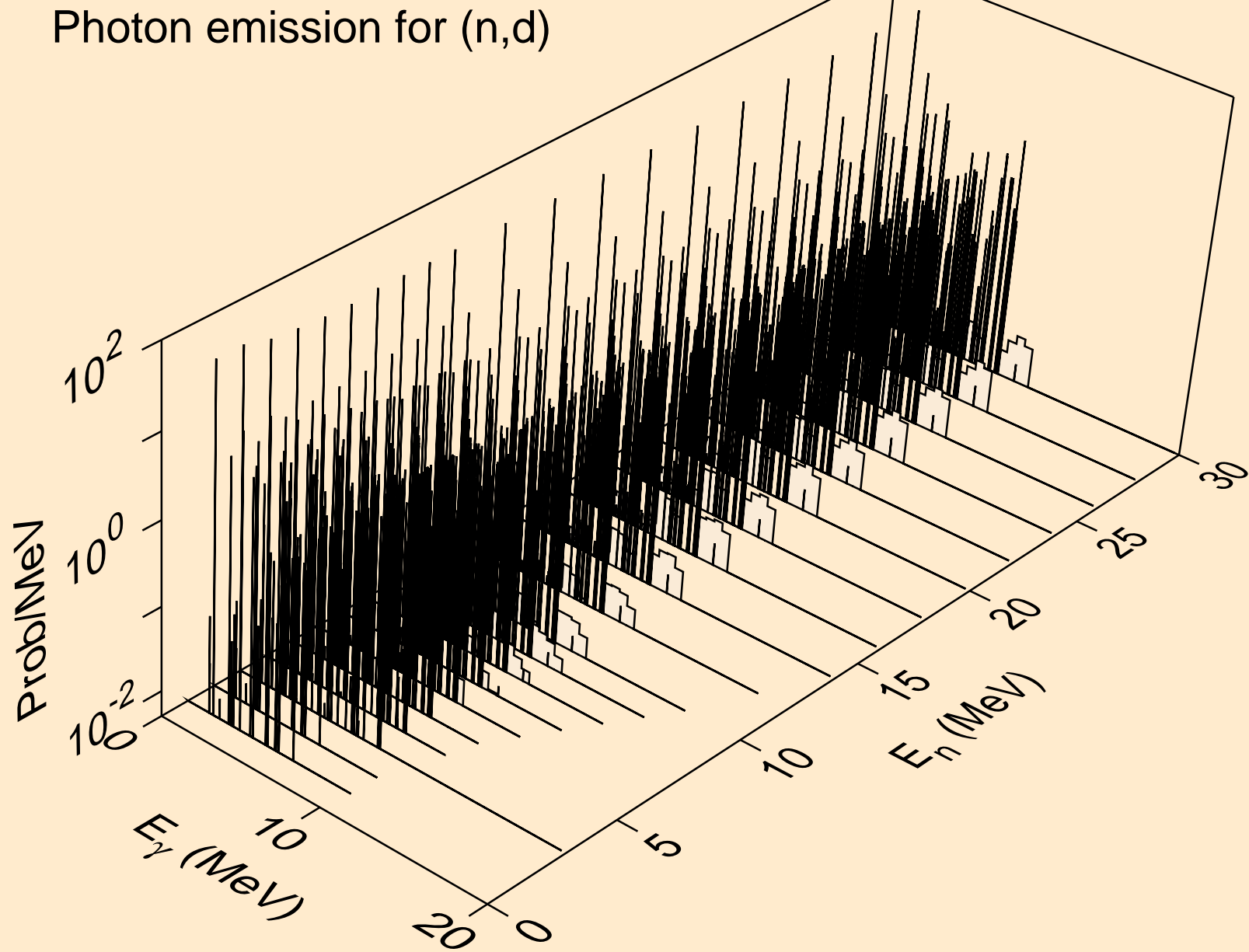
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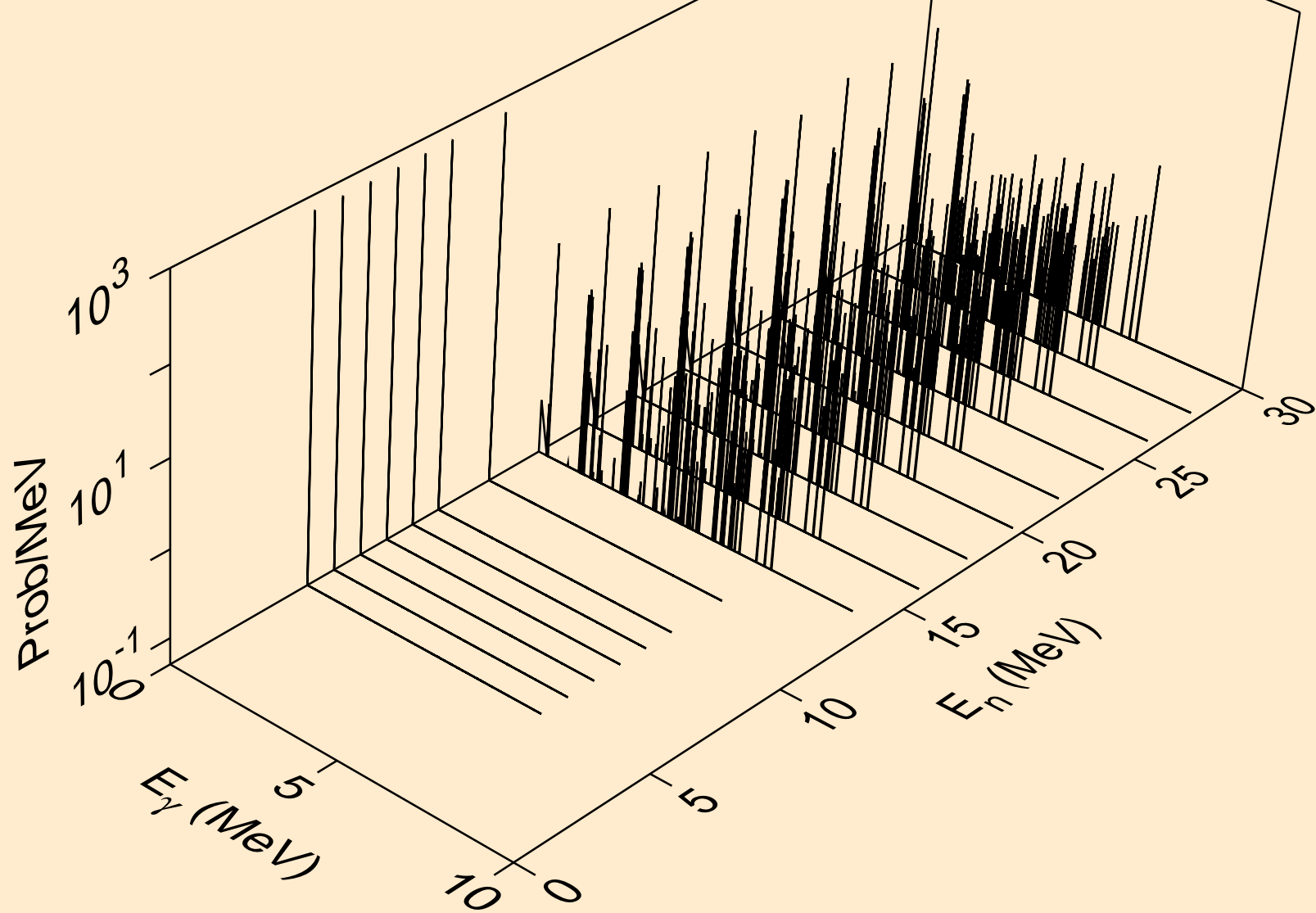
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Photon emission for (n,p)



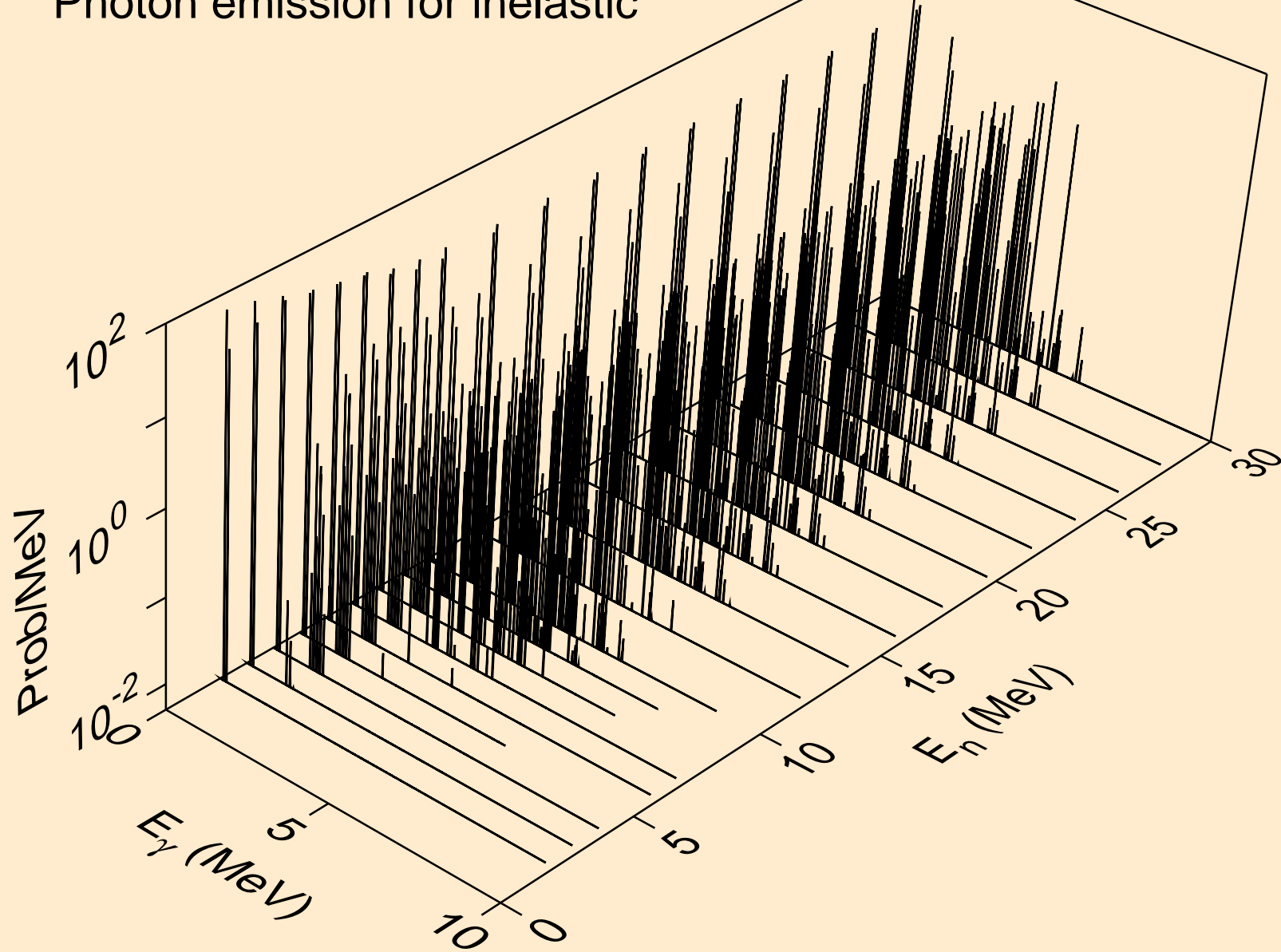
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Photon emission for (n,d)



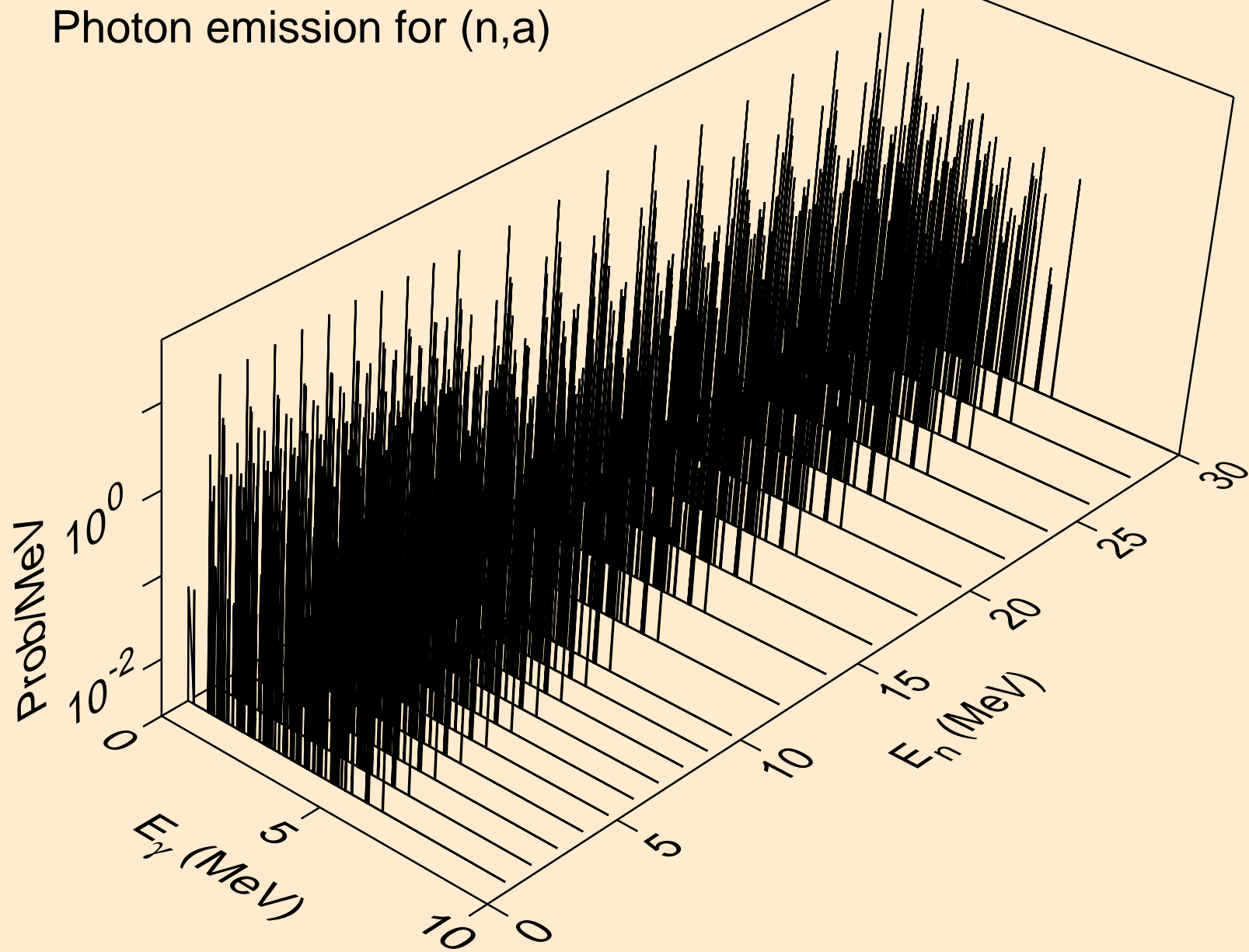
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Photon emission for (n,t)



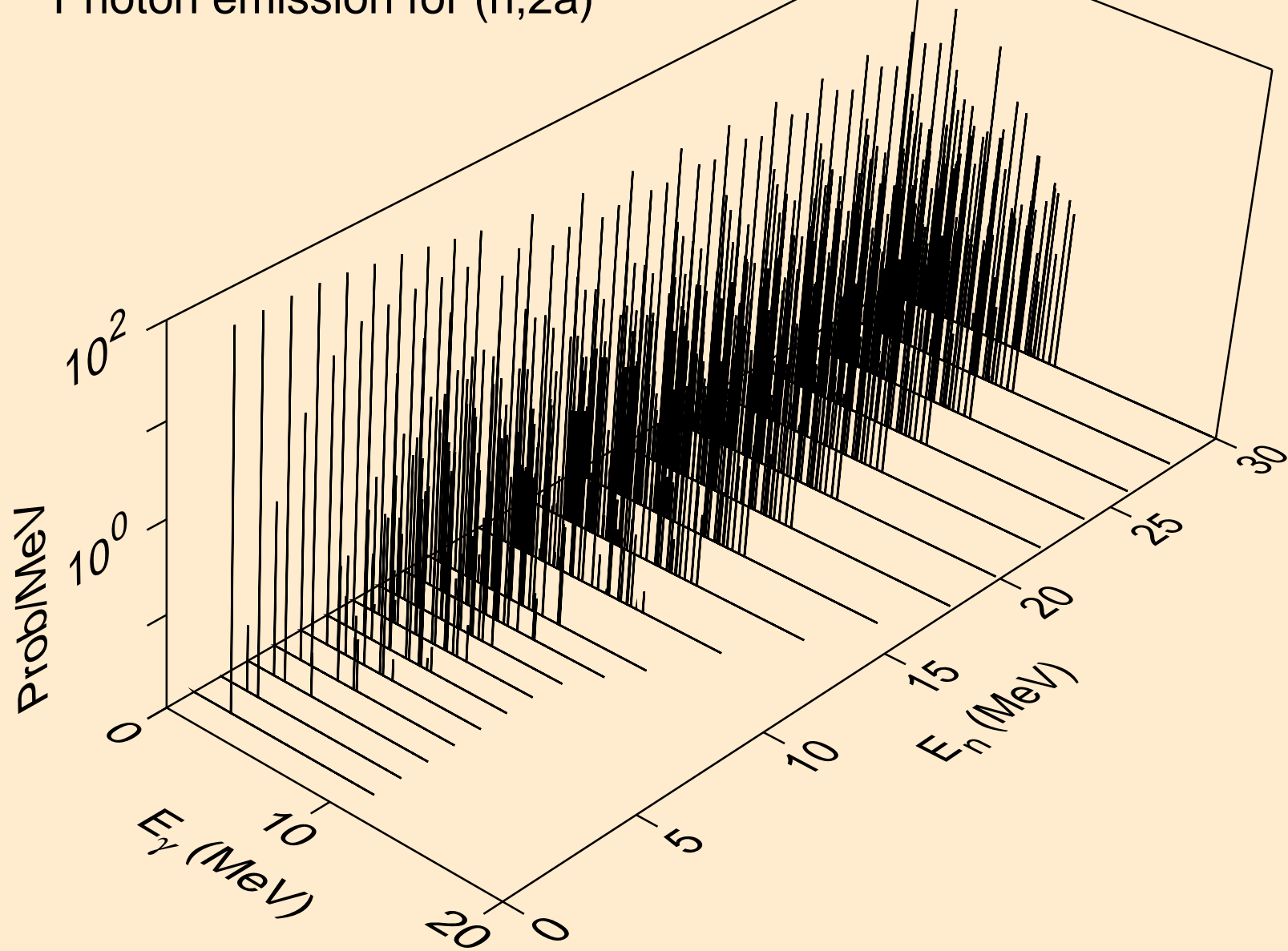
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Photon emission for inelastic



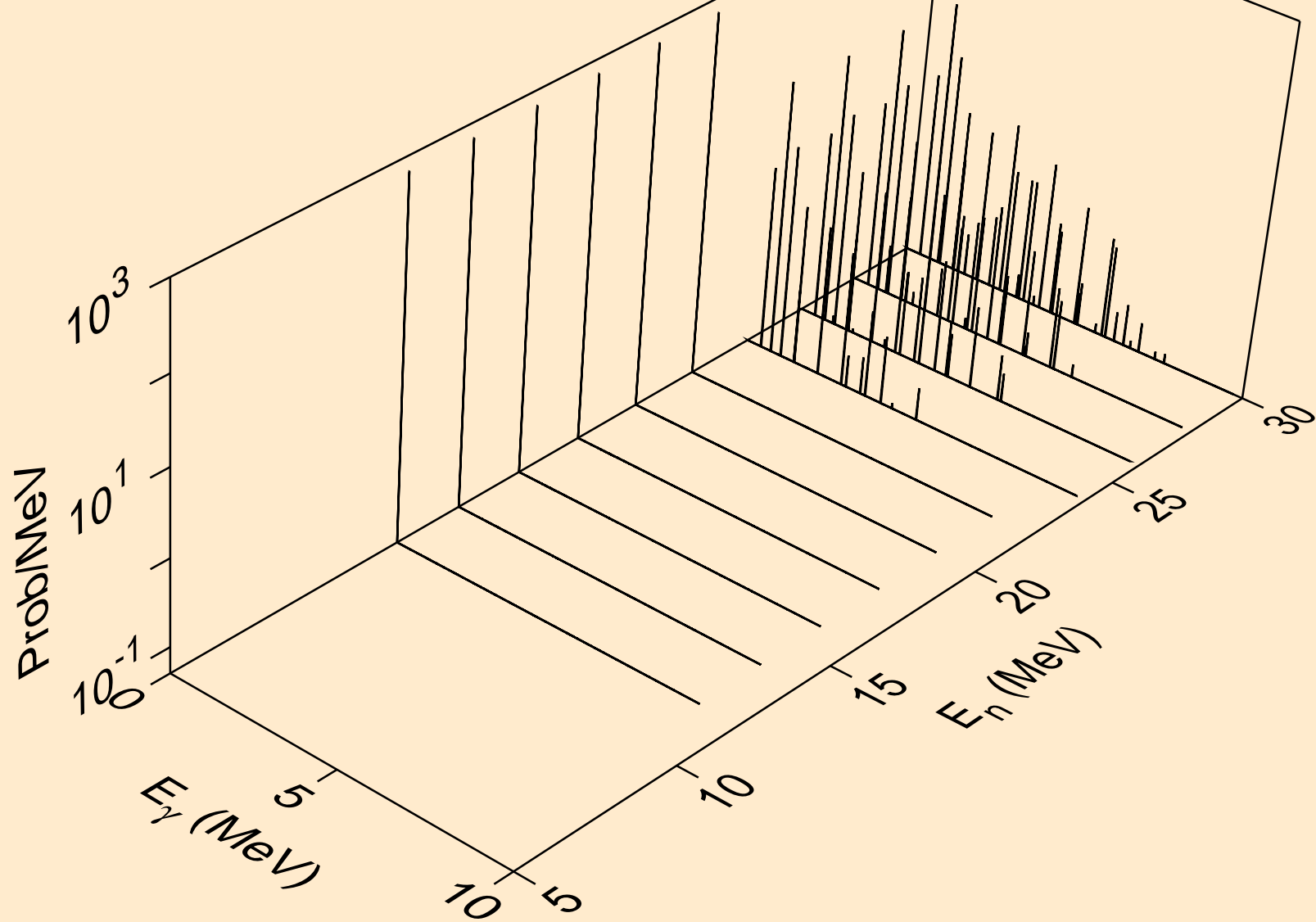
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Photon emission for (n,a)



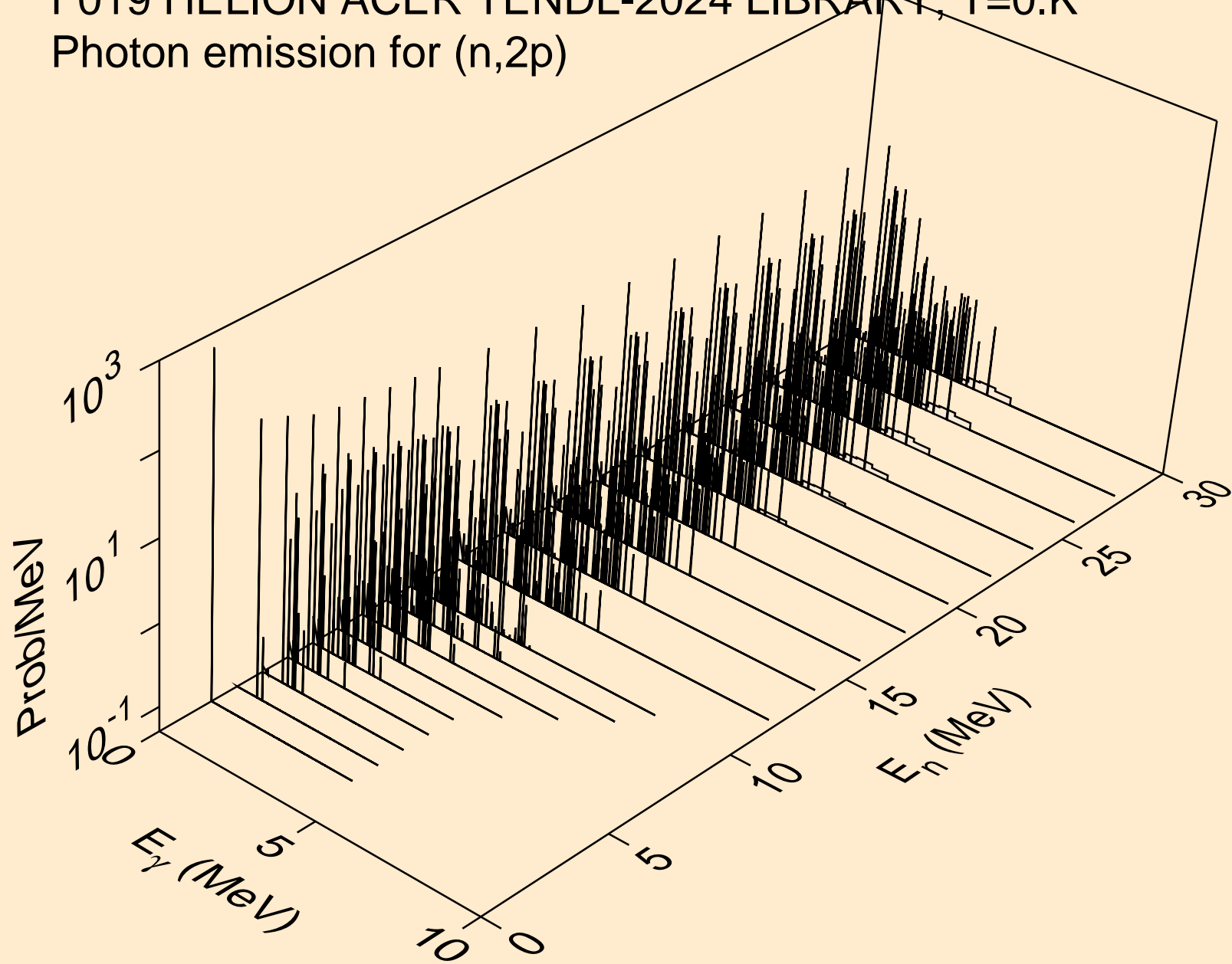
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Photon emission for (n,2a)



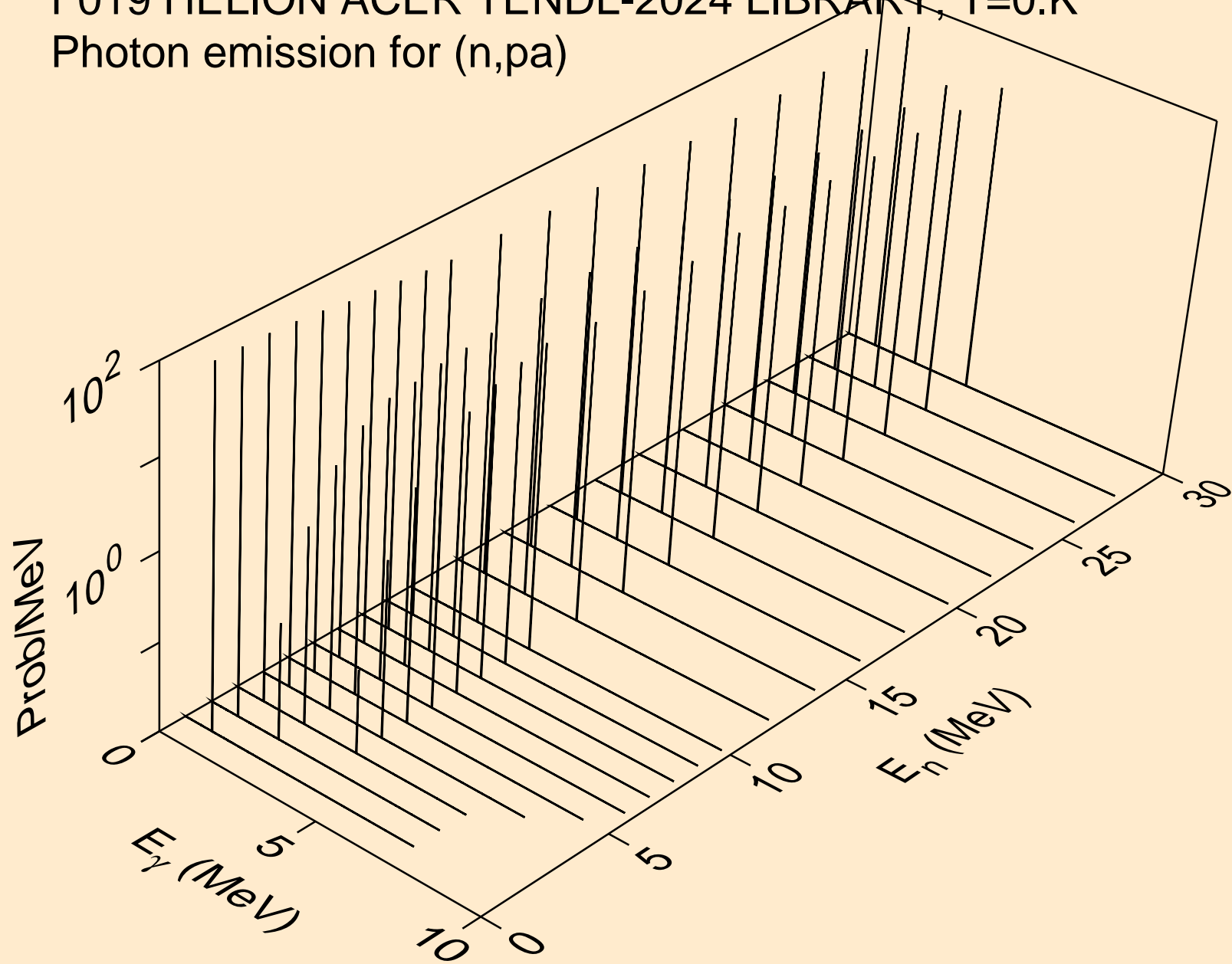
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Photon emission for (n,3a)



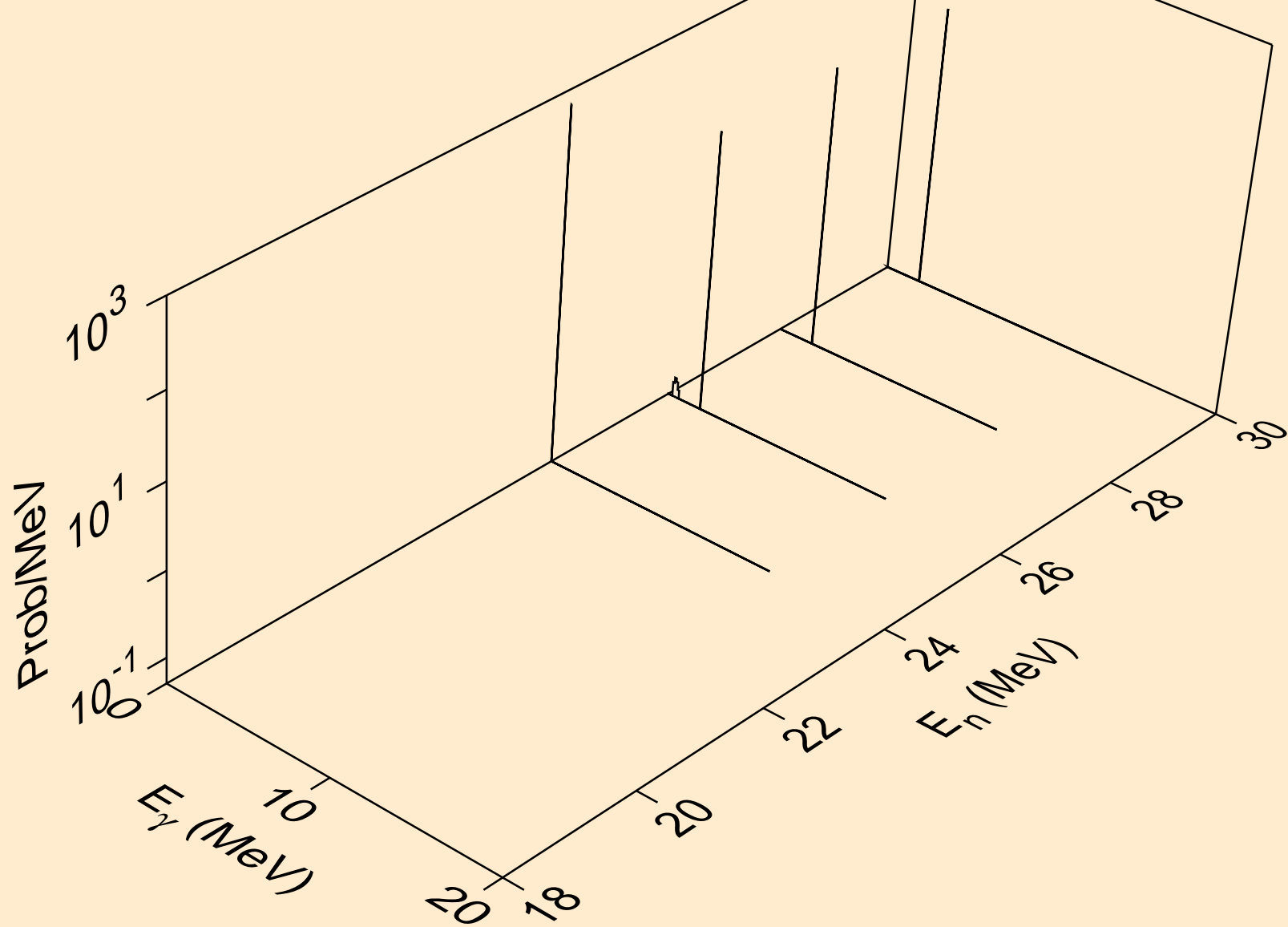
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Photon emission for (n,2p)



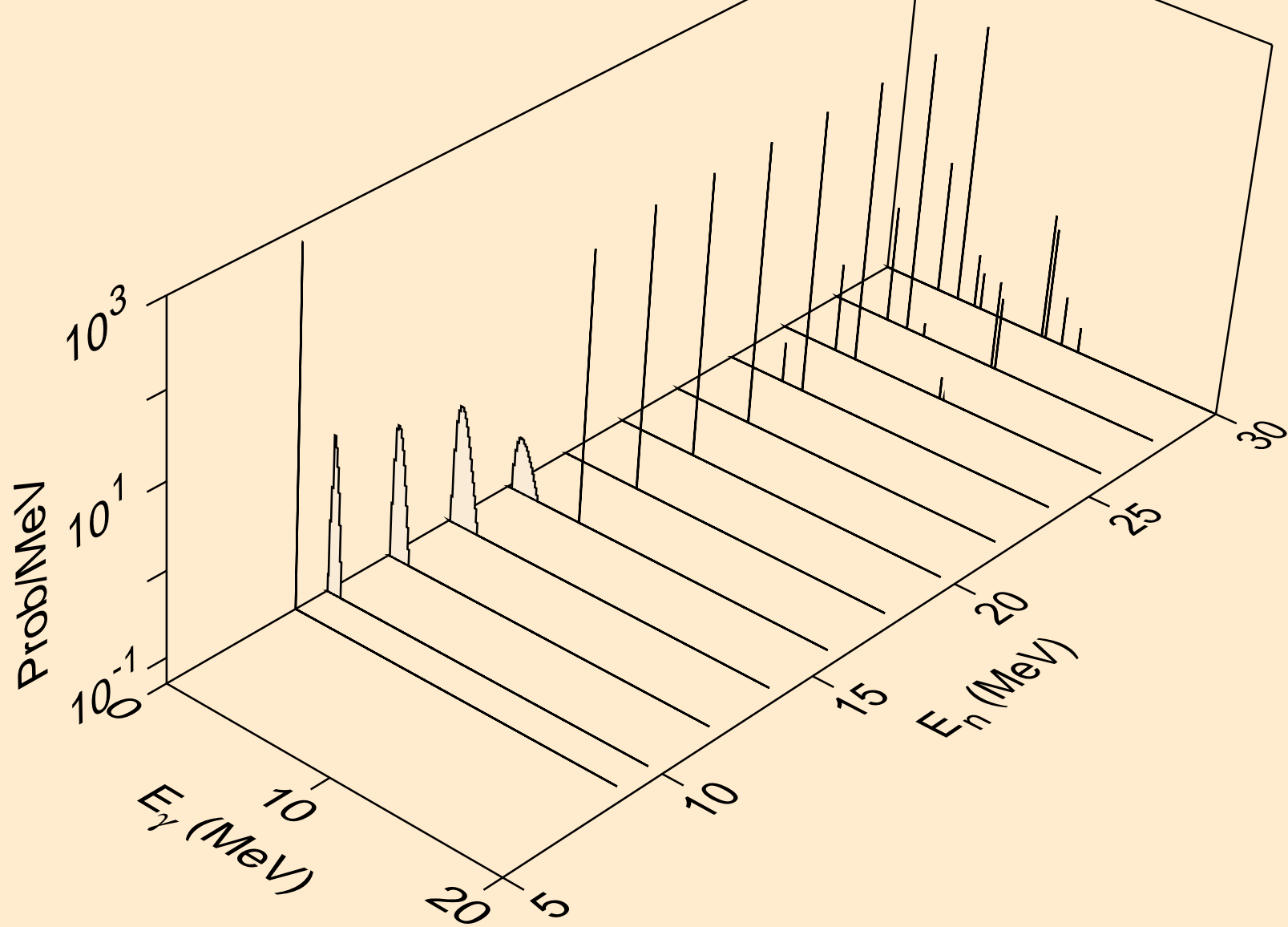
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Photon emission for (n,p $\alpha$ )



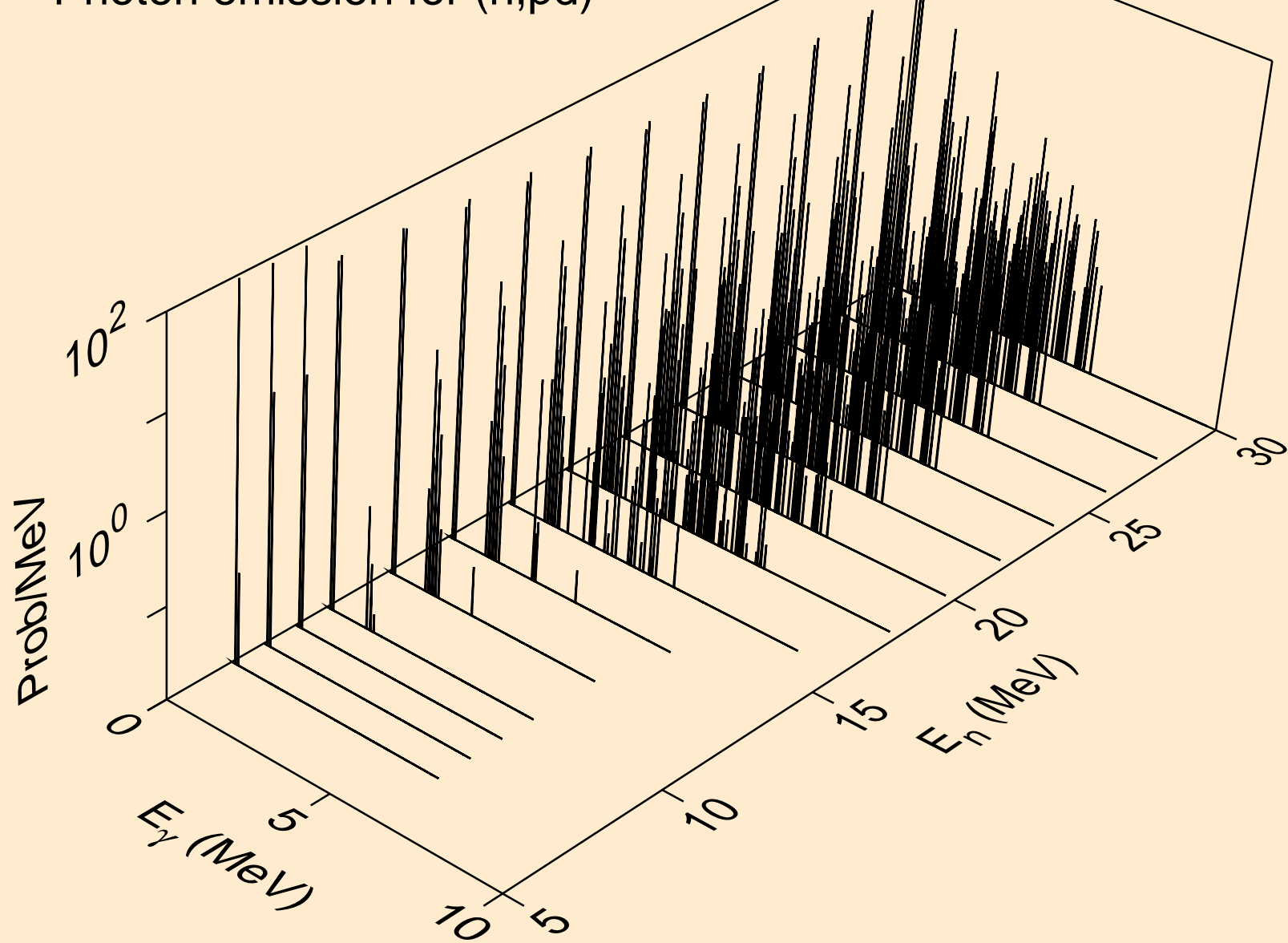
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Photon emission for (n,t2a)



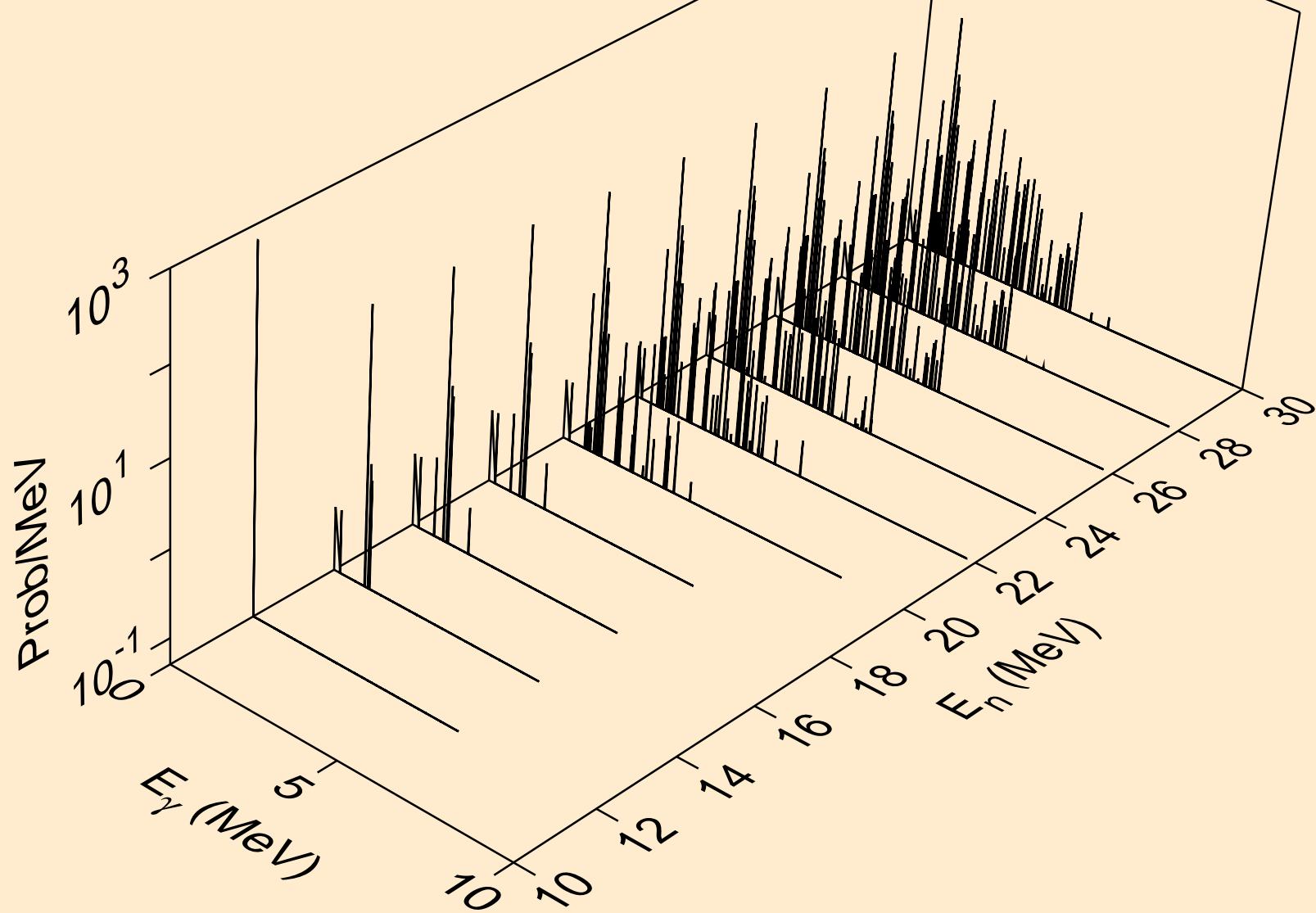
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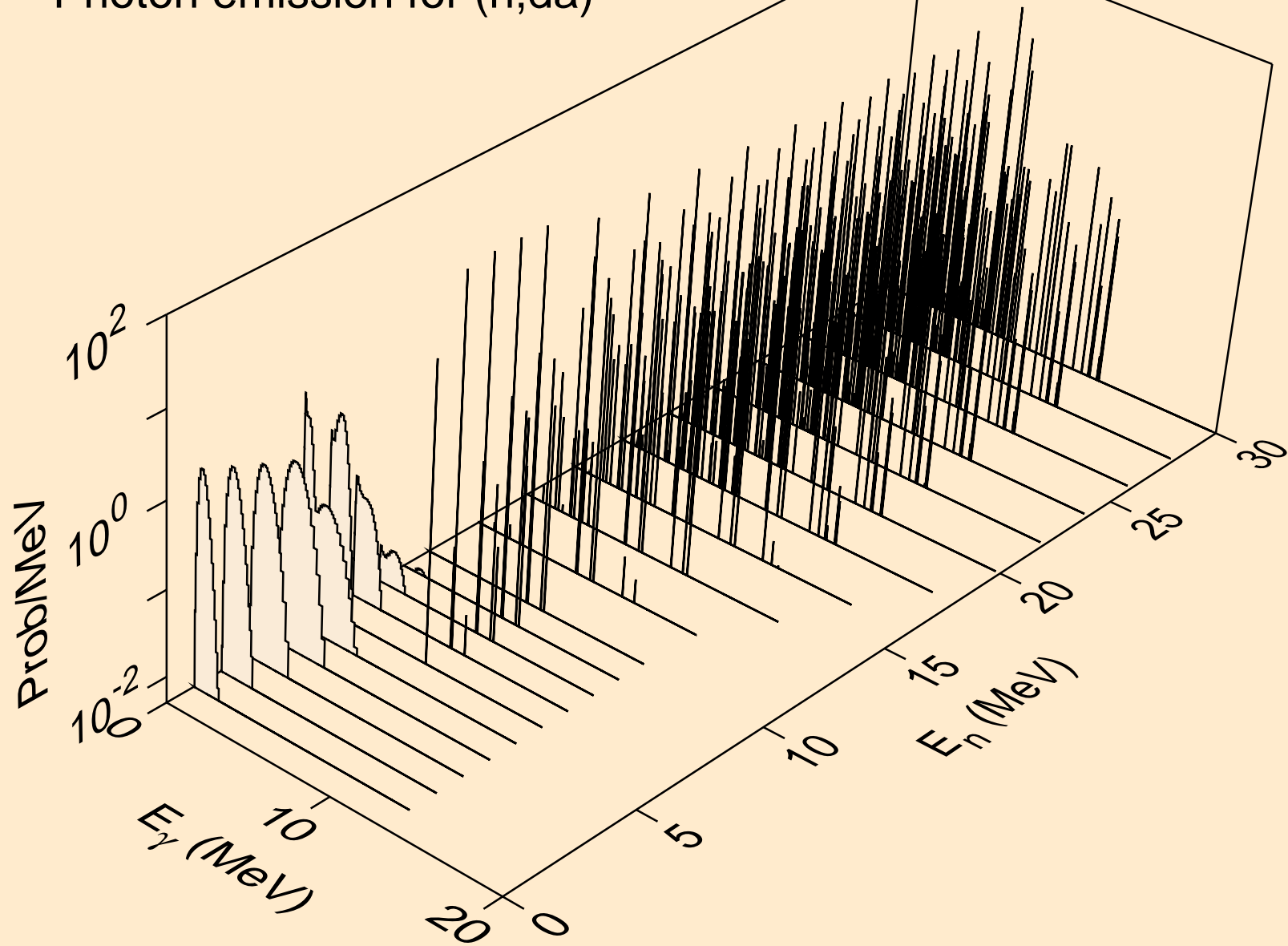
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Photon emission for (n,pd)



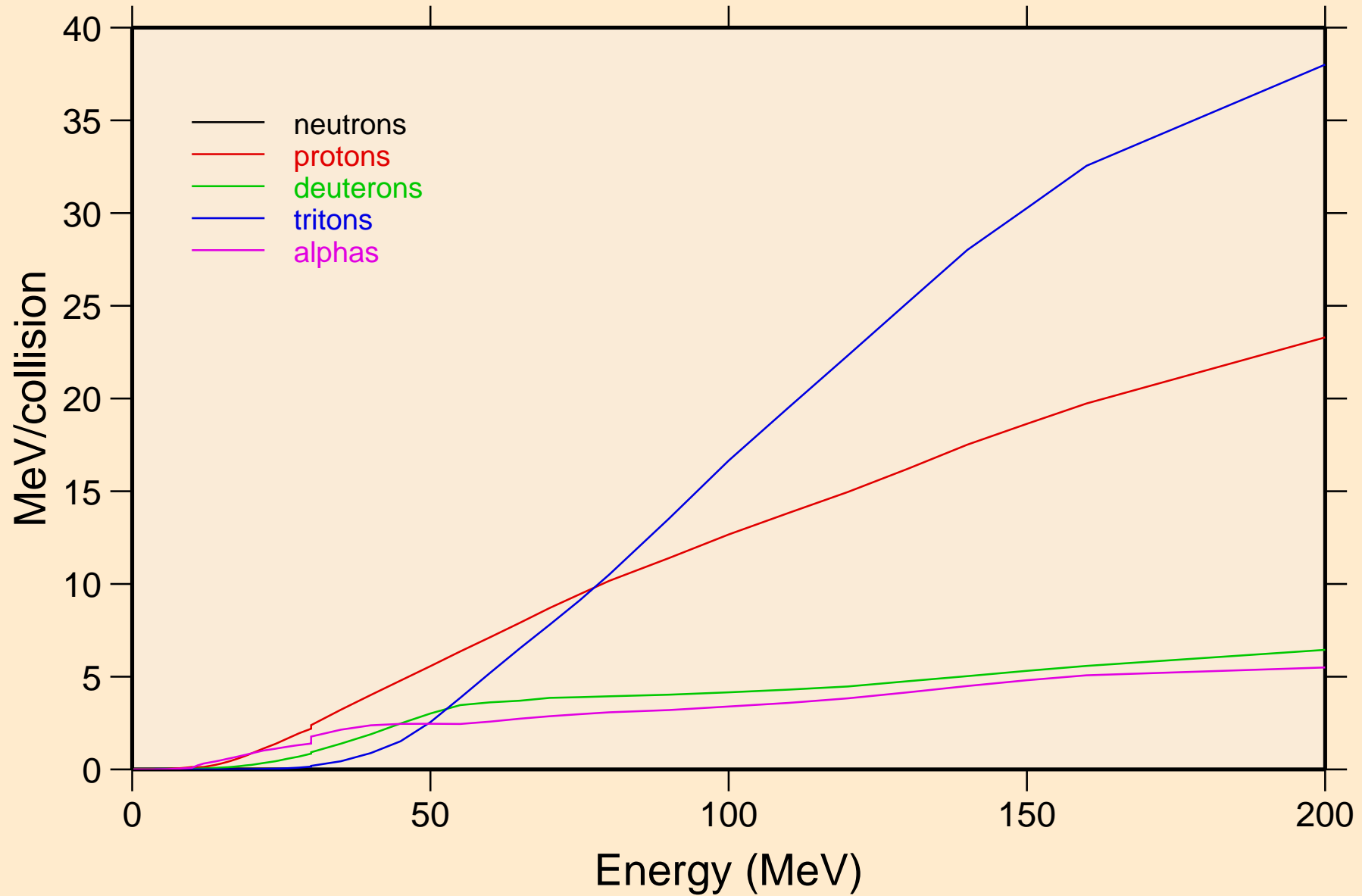
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Photon emission for (n,pt)



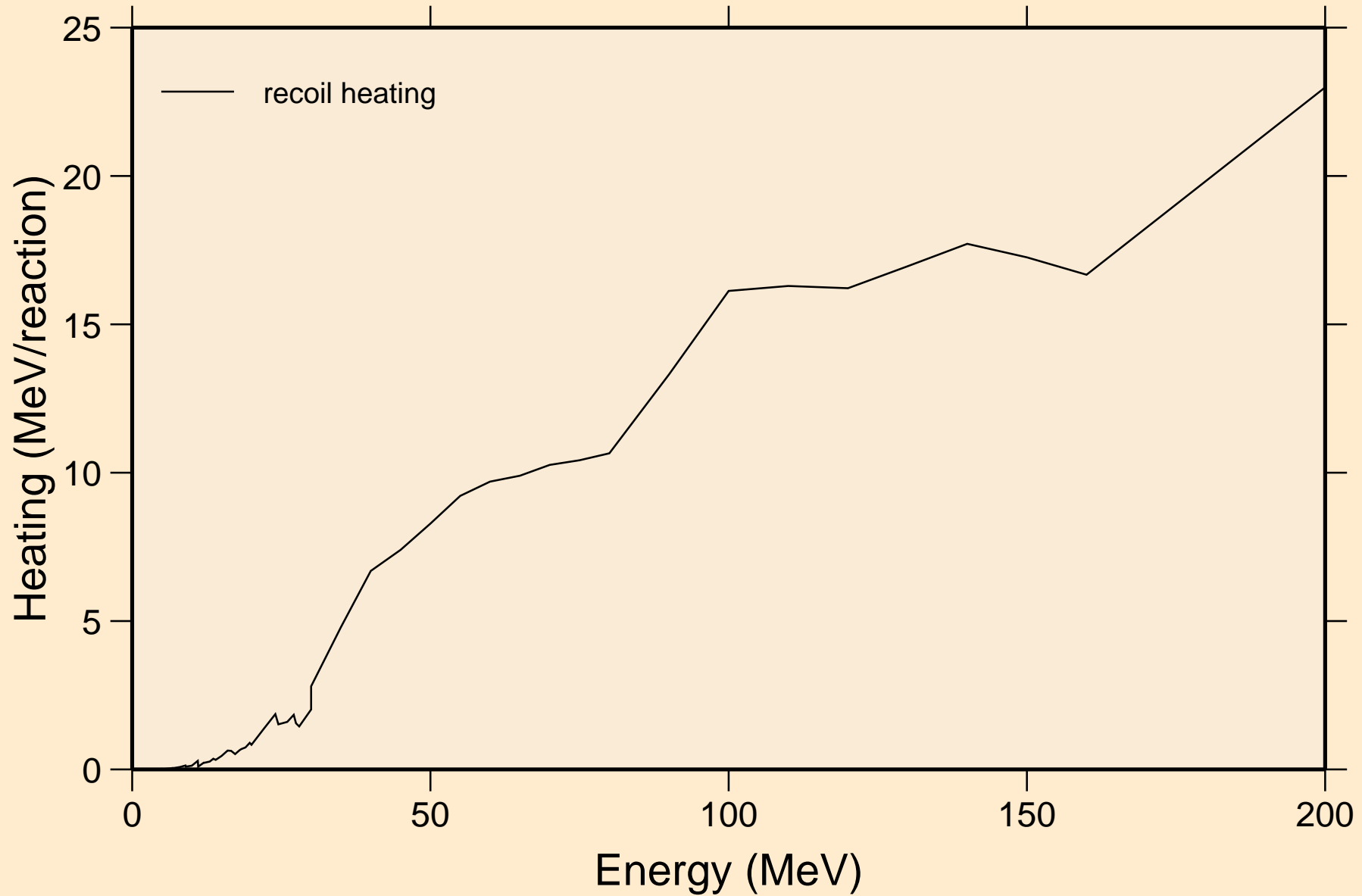
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Photon emission for (n,da)



F019 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Particle heating contributions

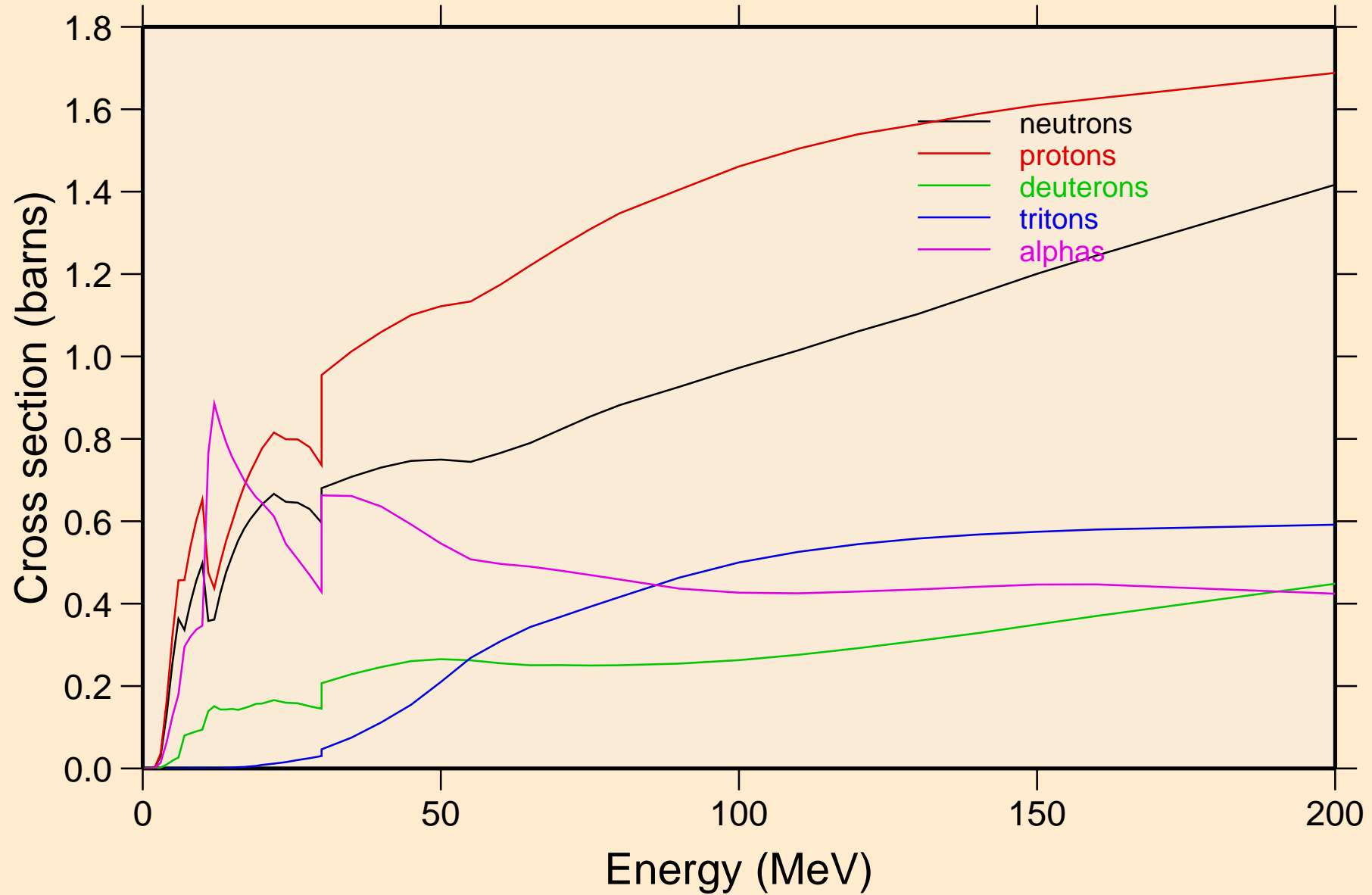


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Recoil Heating

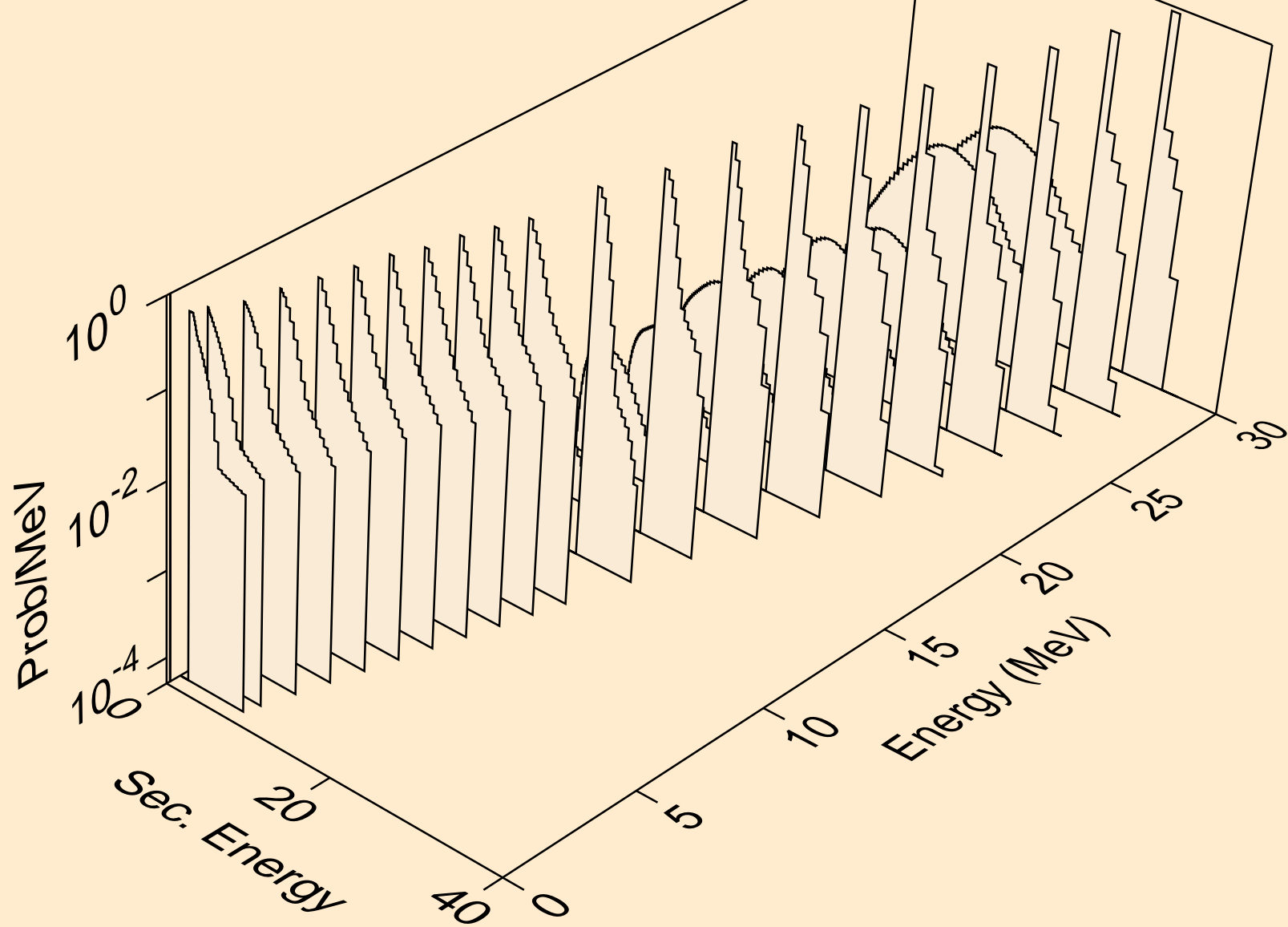


# F019 HELION ACER TENDL-2024 LIBRARY; T=0.K

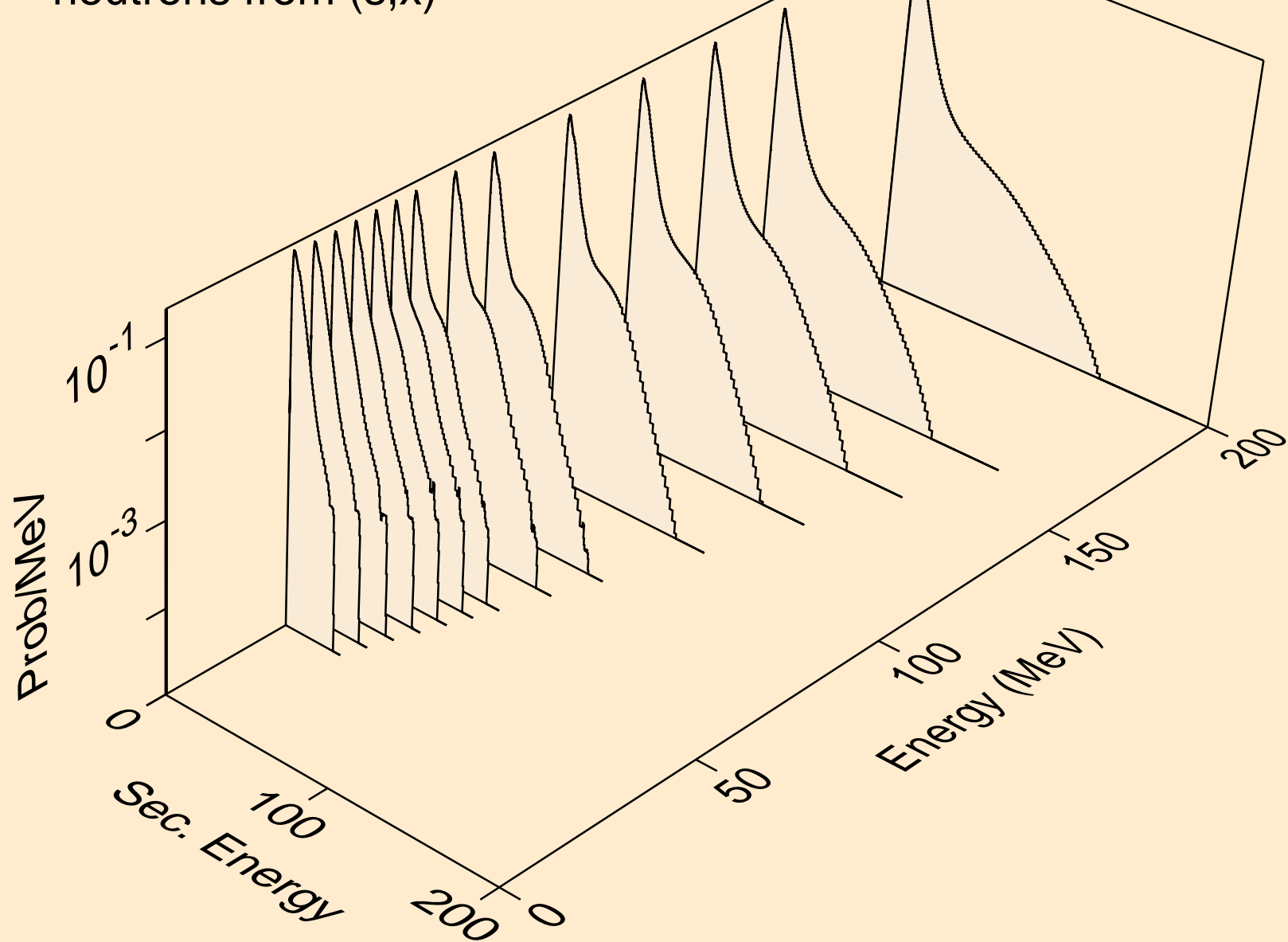
## Particle production cross sections



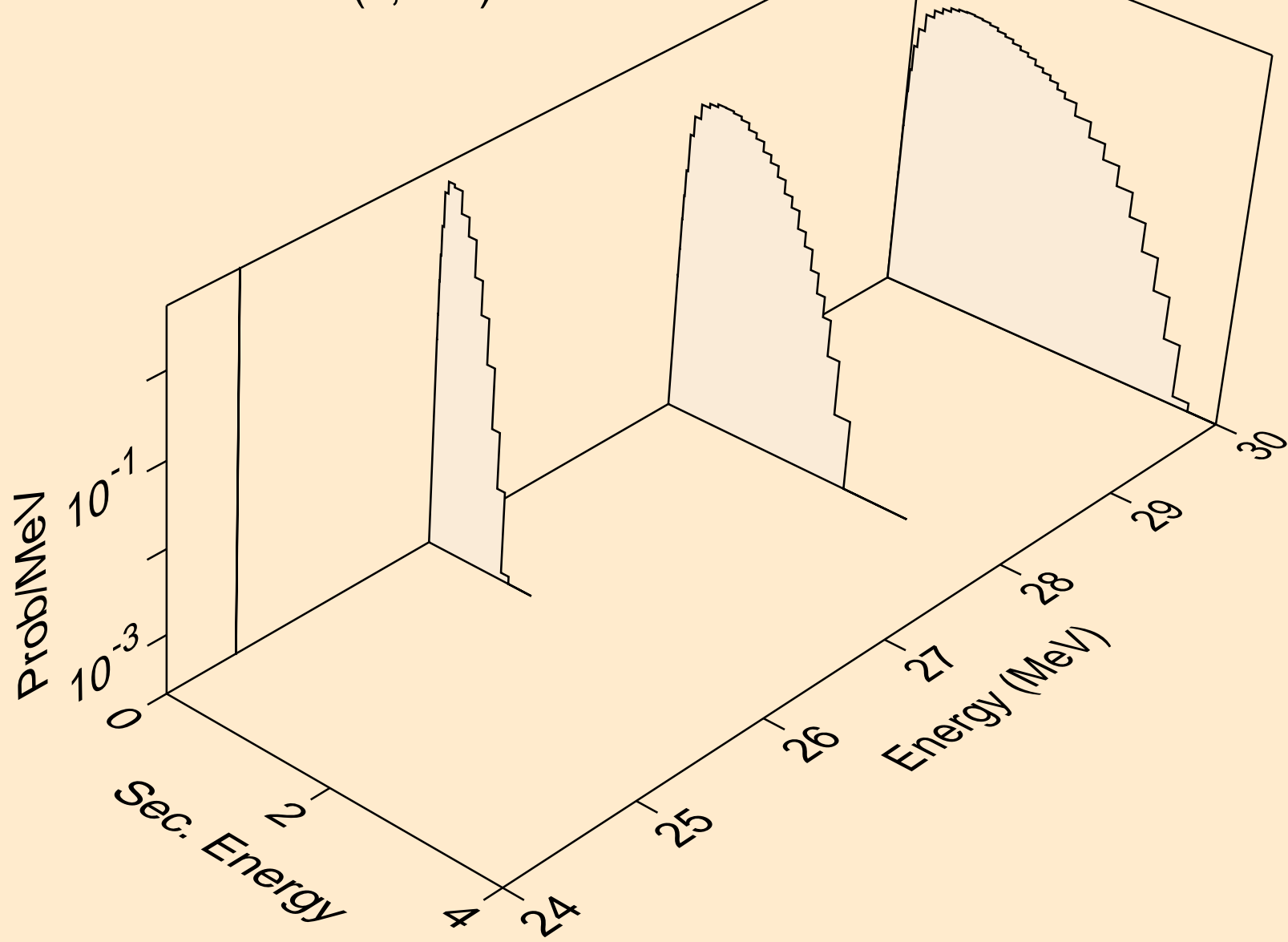
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neutrons from (s,n)



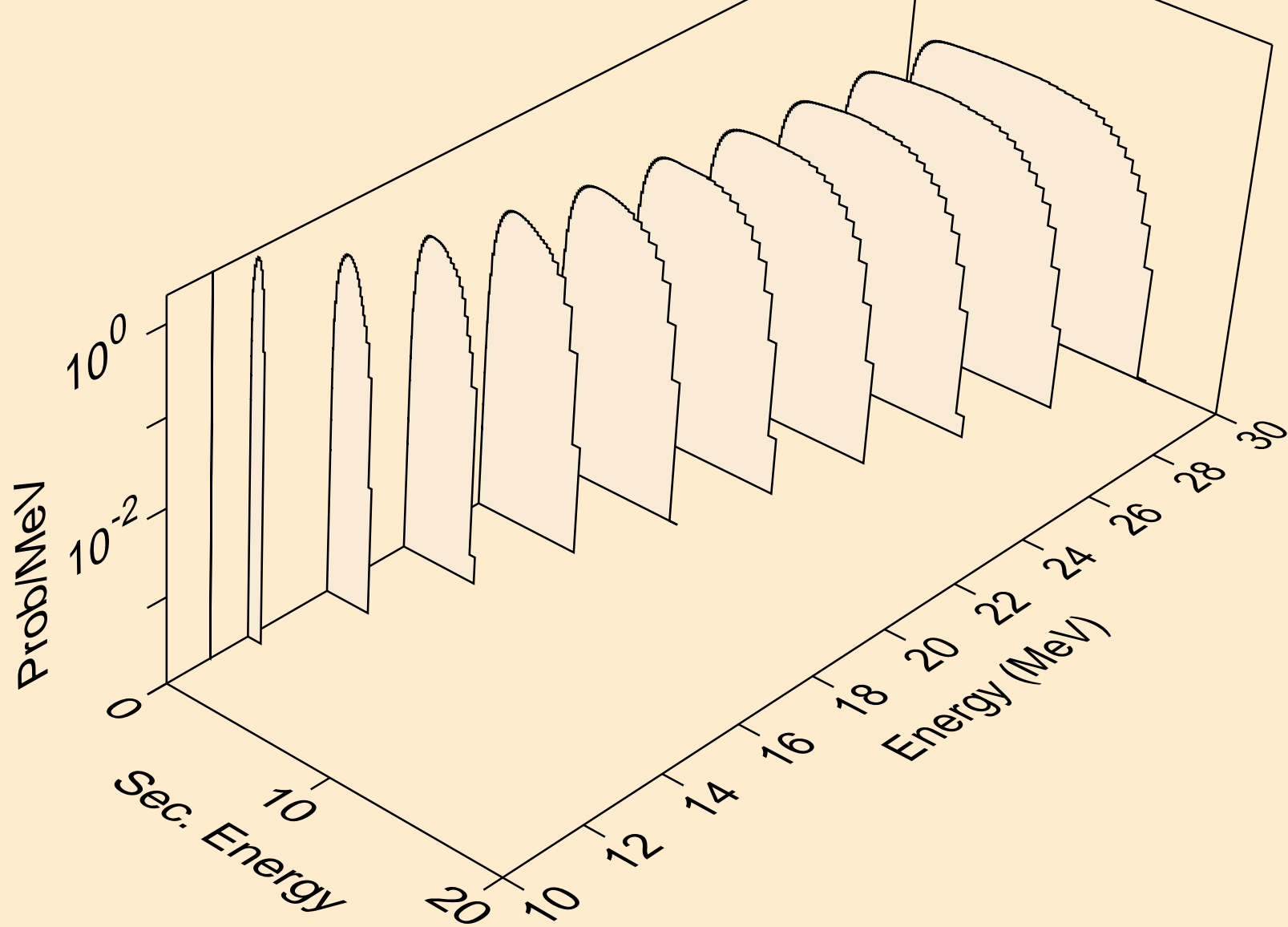
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neutrons from (s,x)



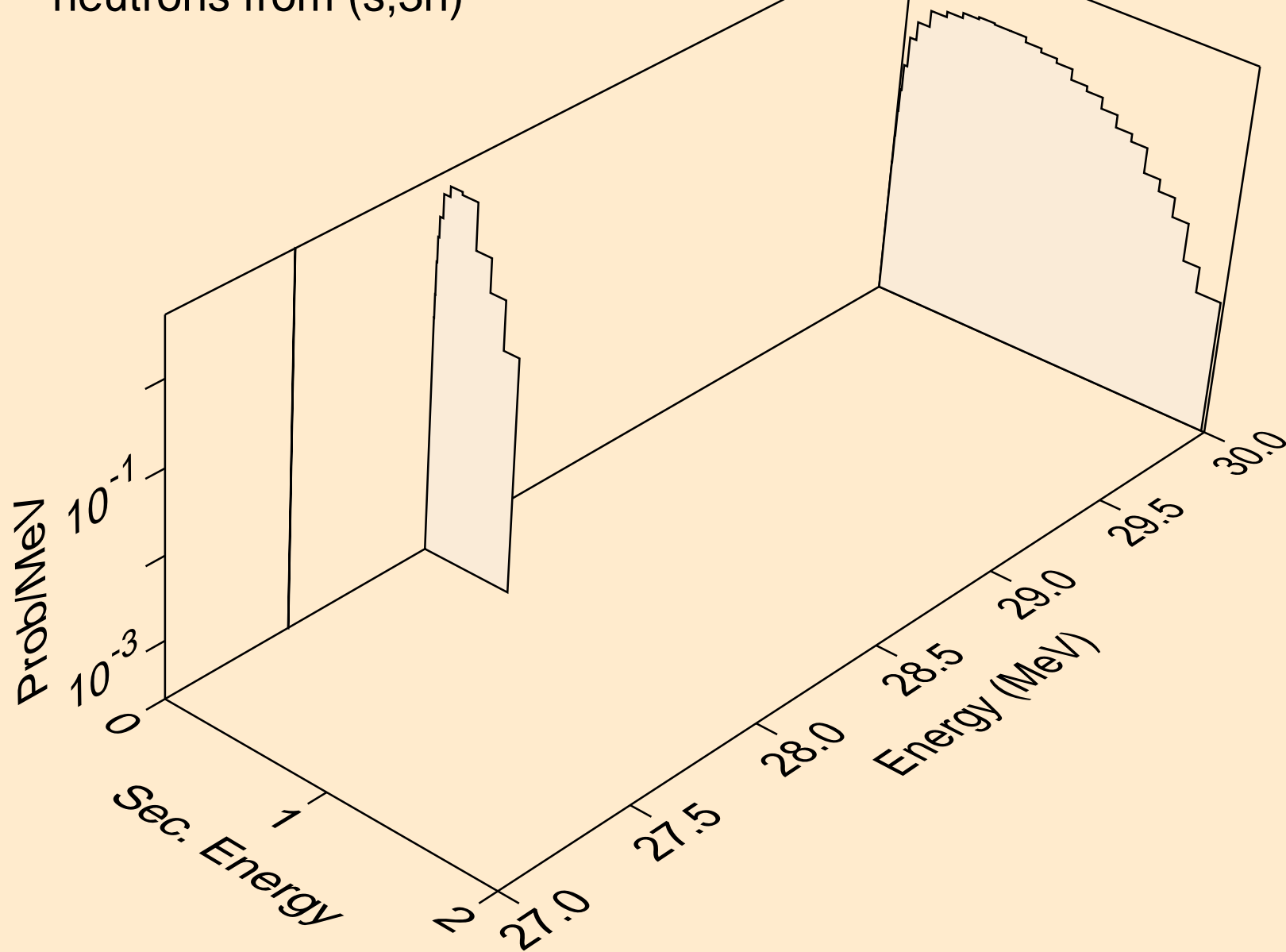
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neutrons from (s,2nd)



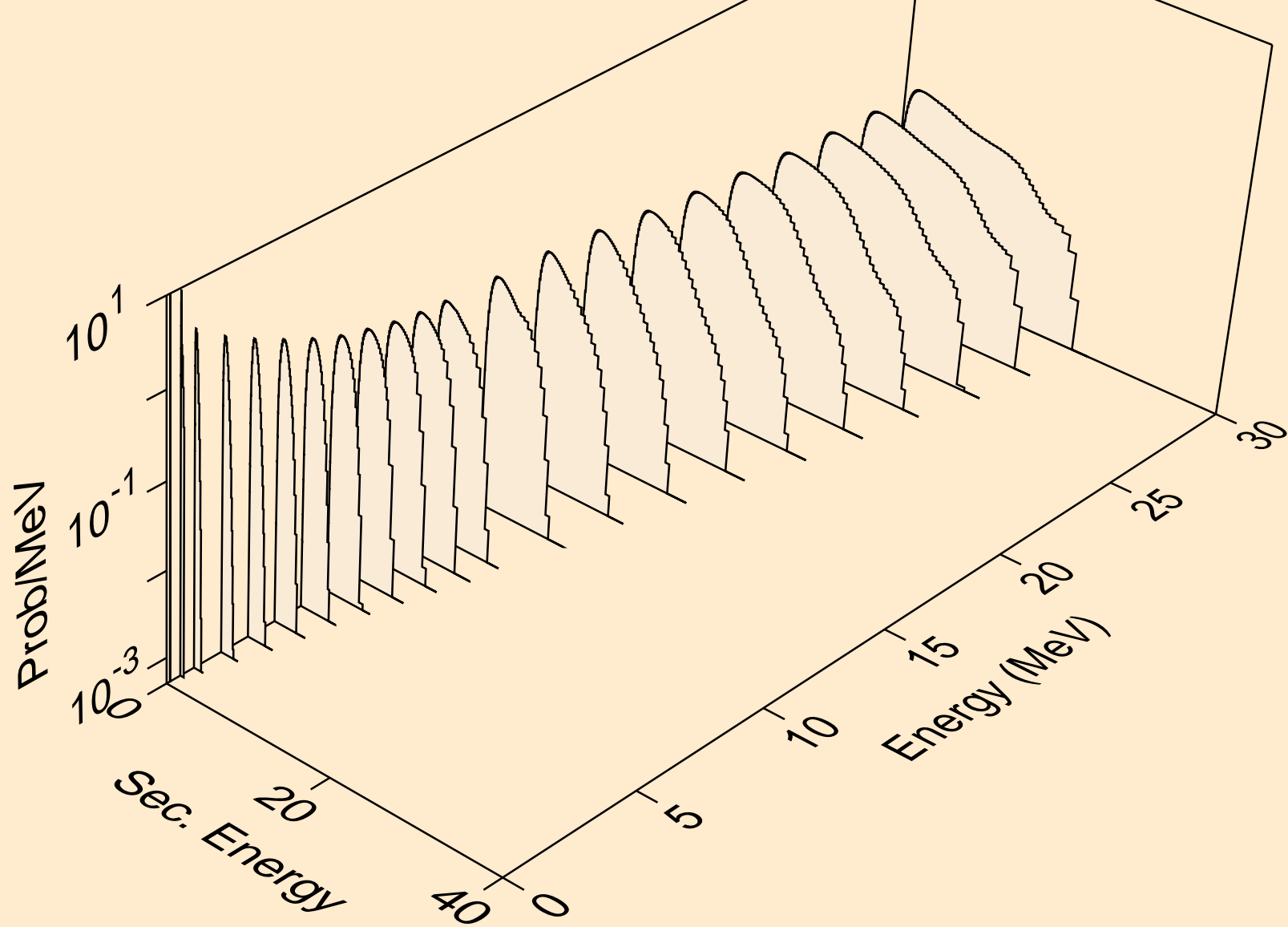
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neutrons from (s,2n)



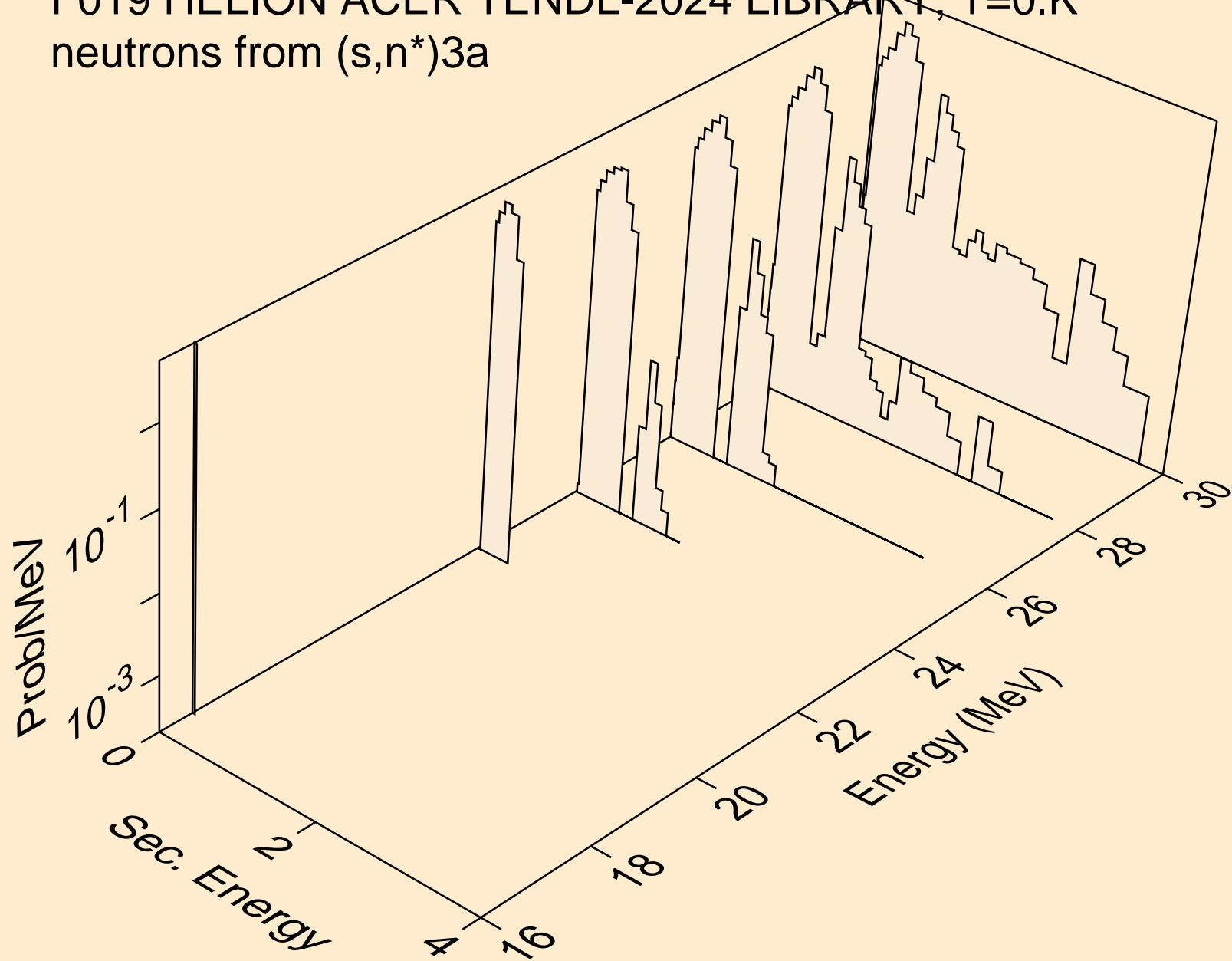
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neutrons from (s,3n)



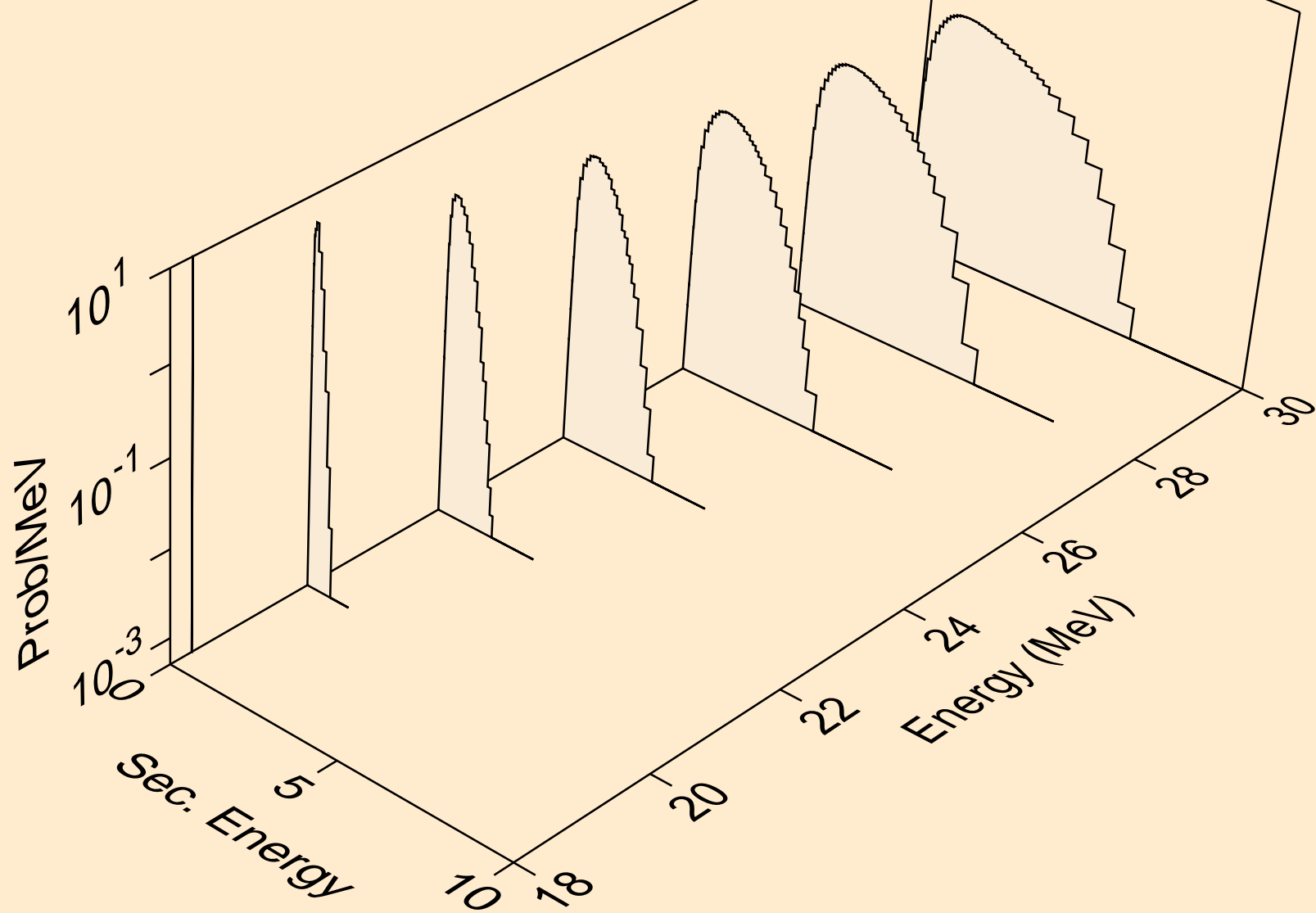
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neutrons from (s,n\*)a



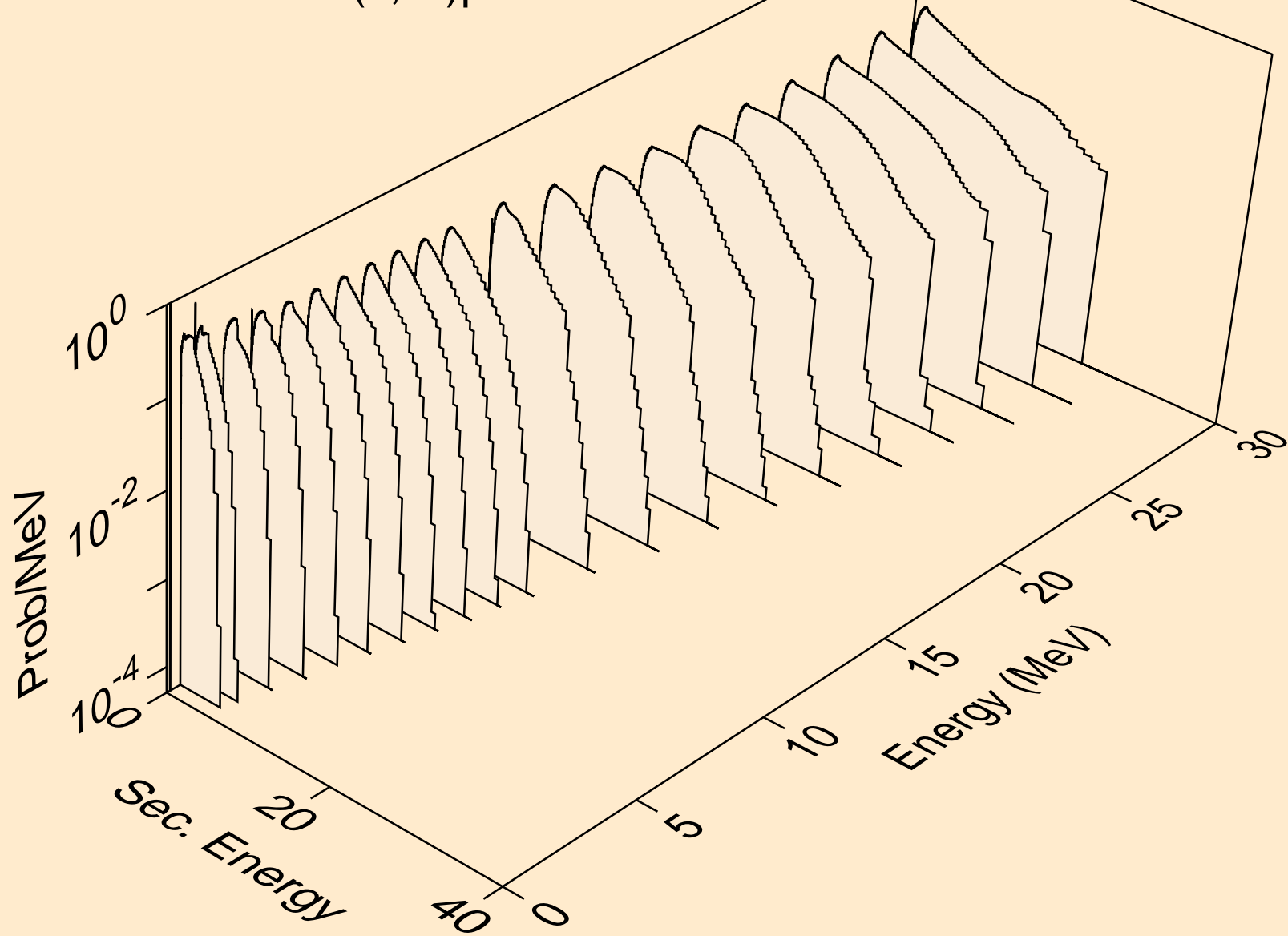
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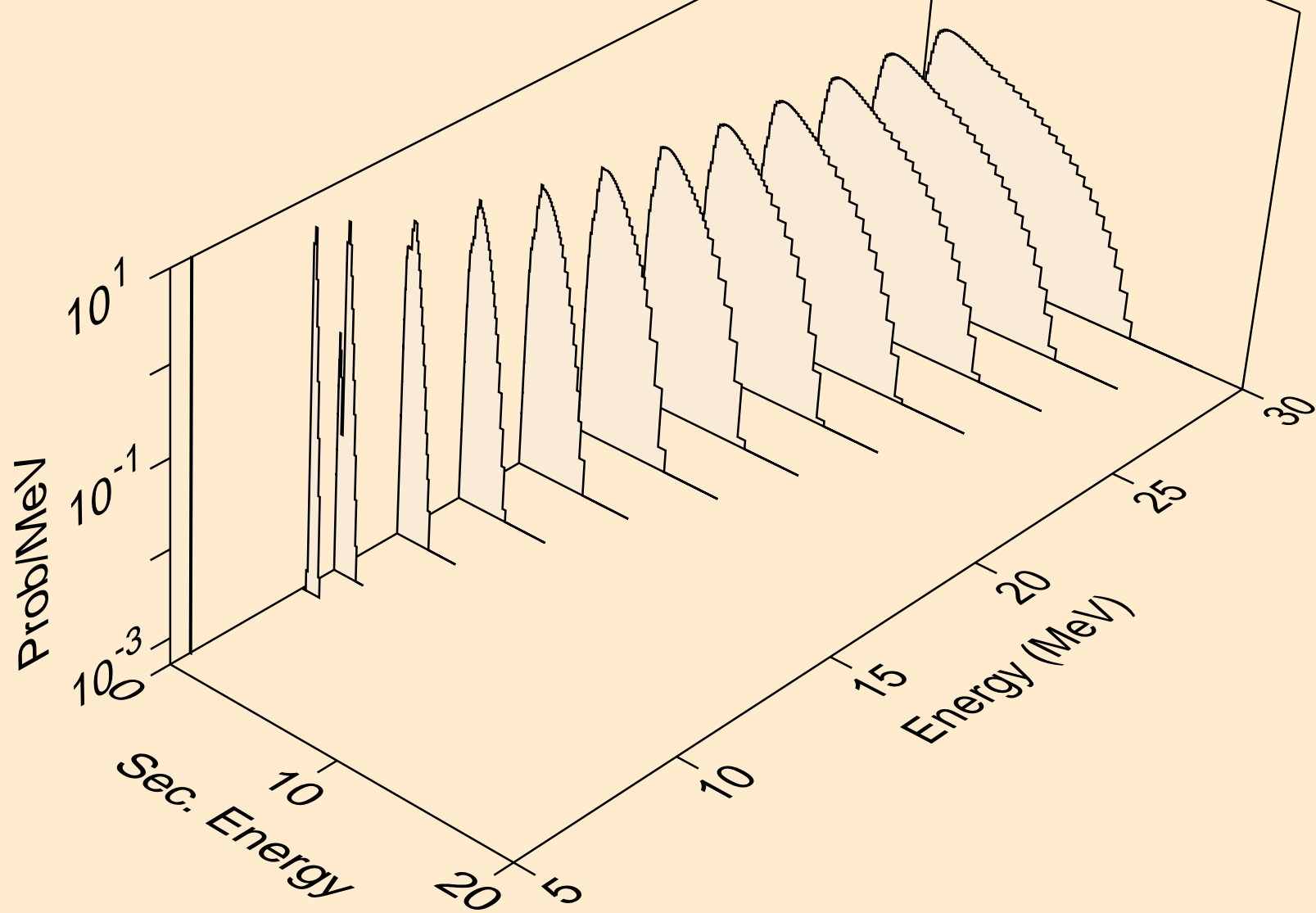
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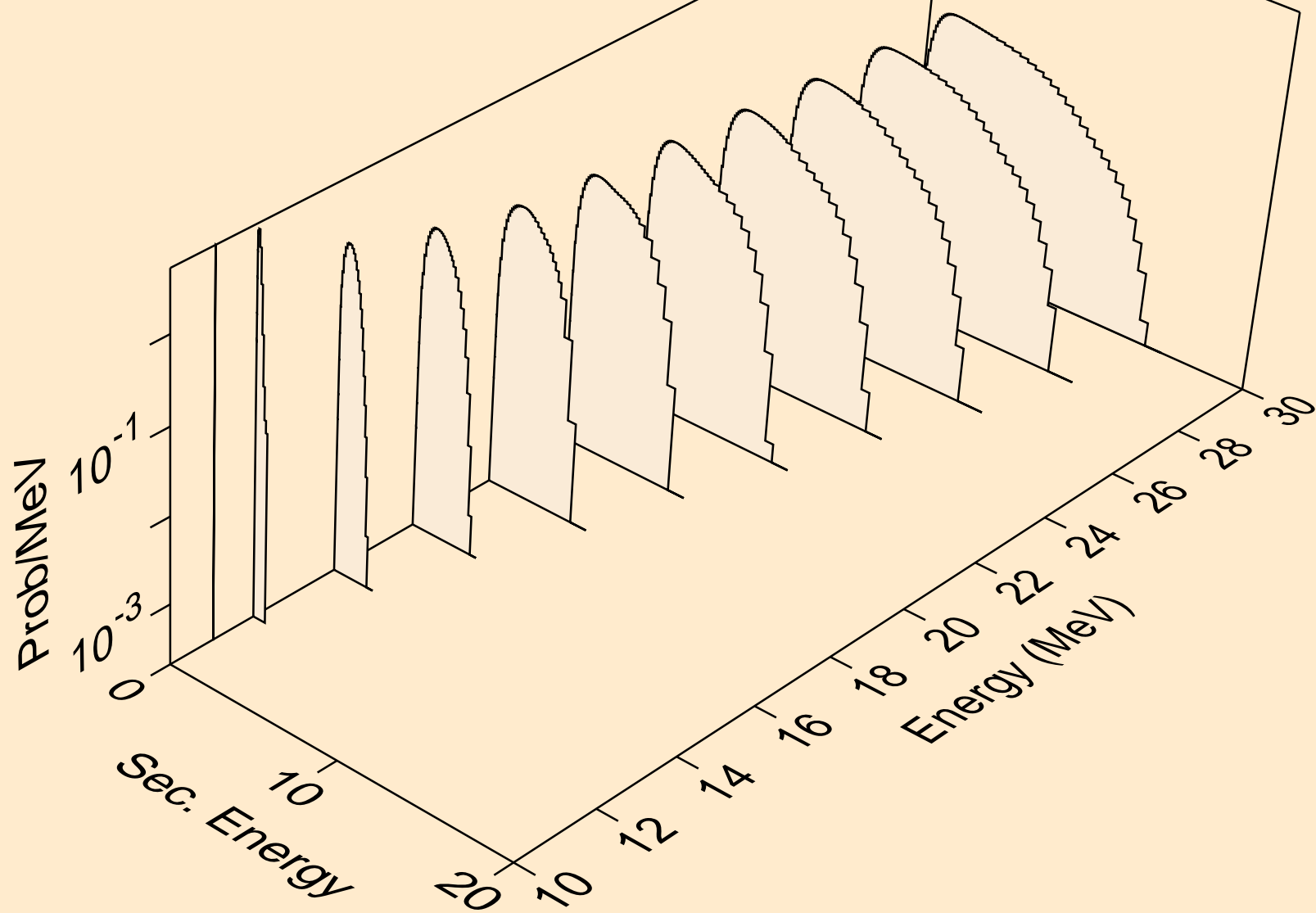
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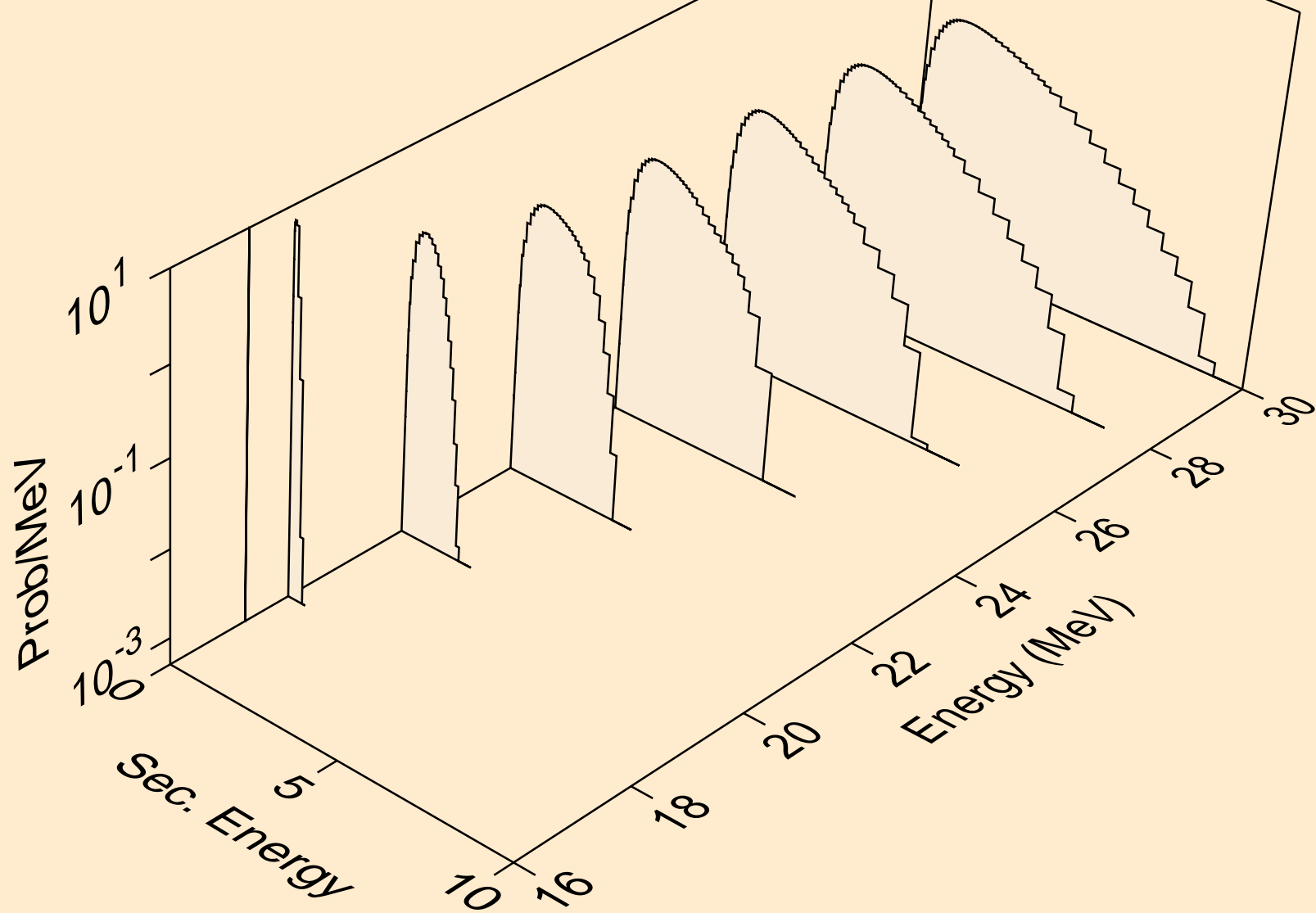
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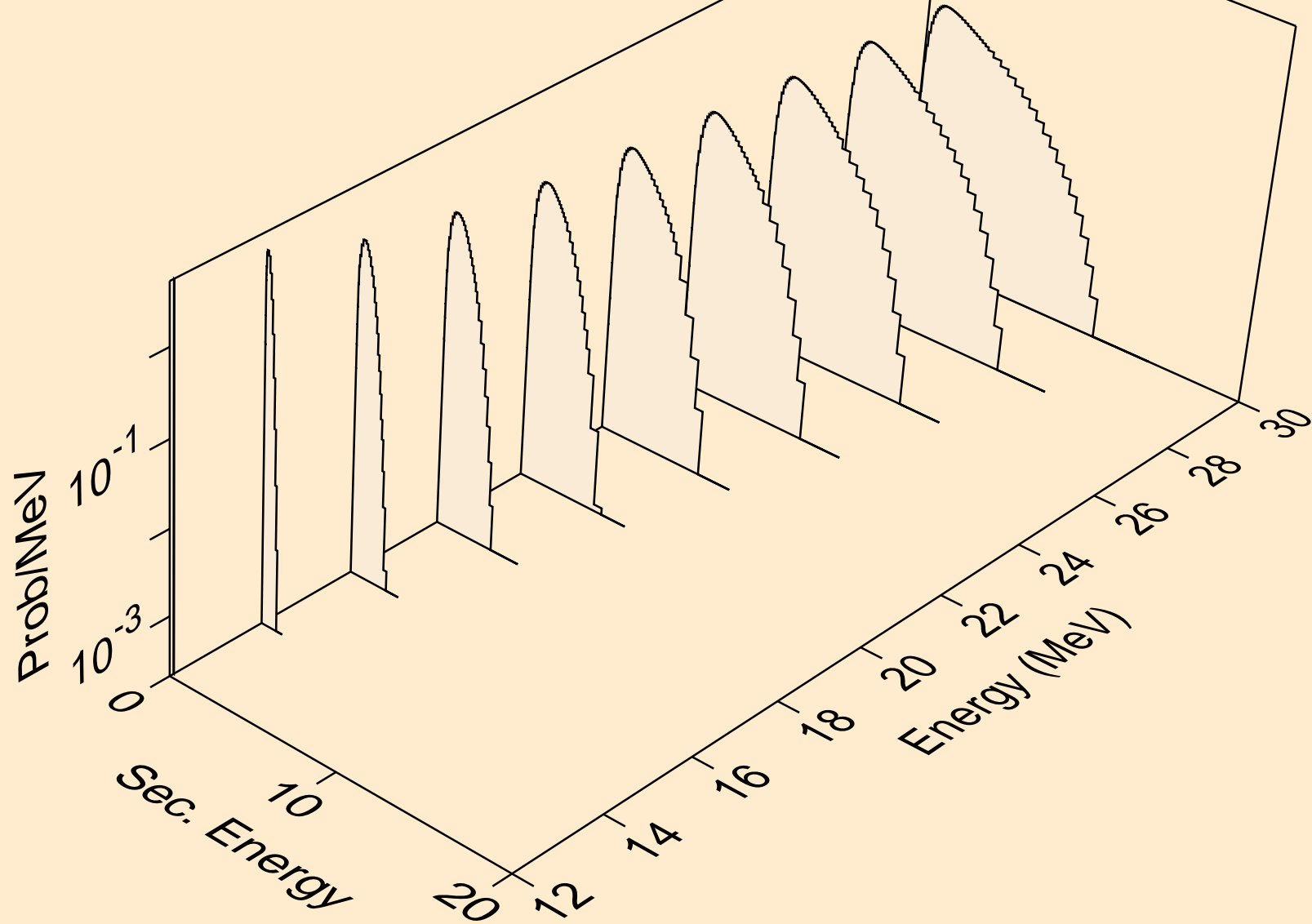
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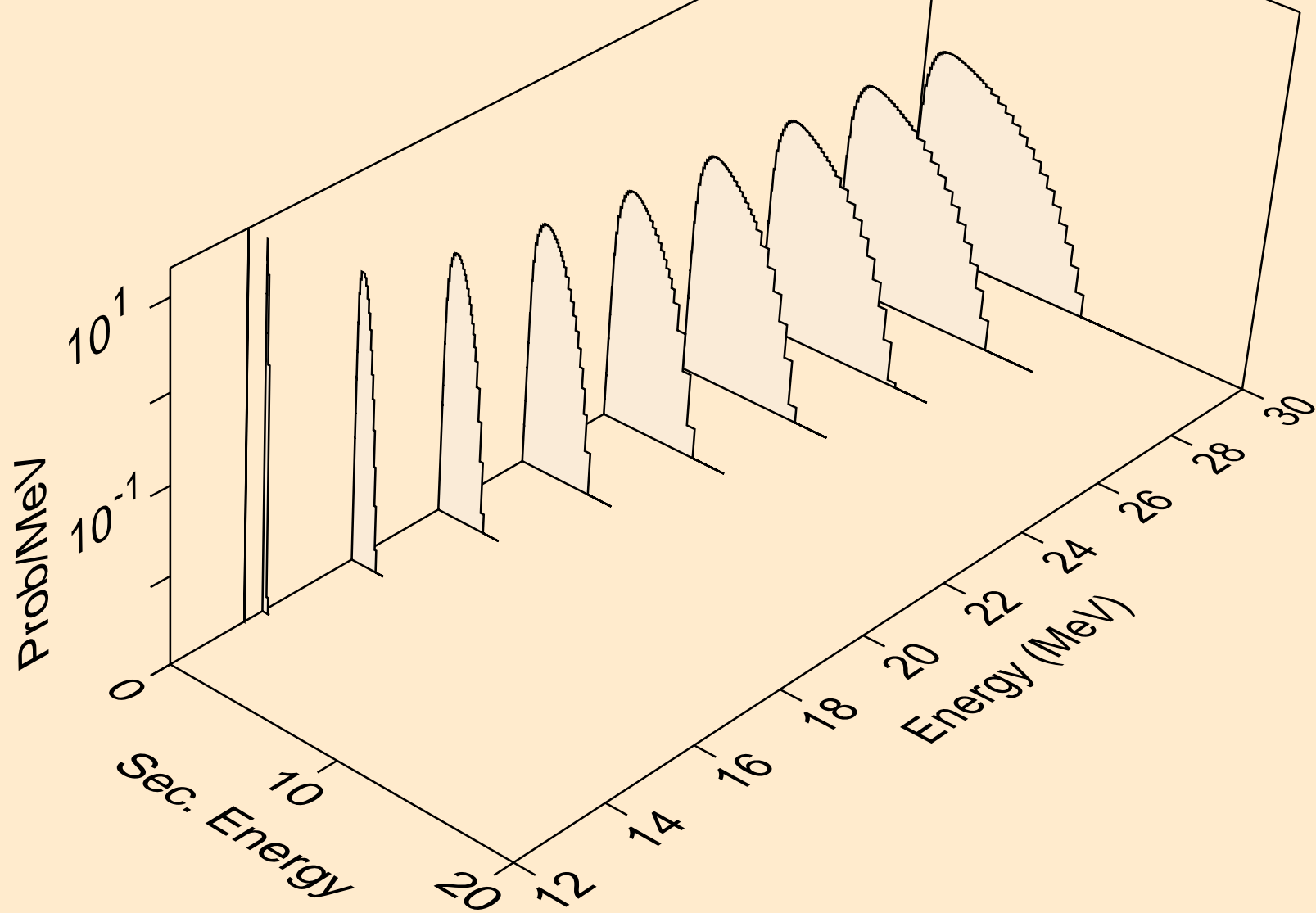
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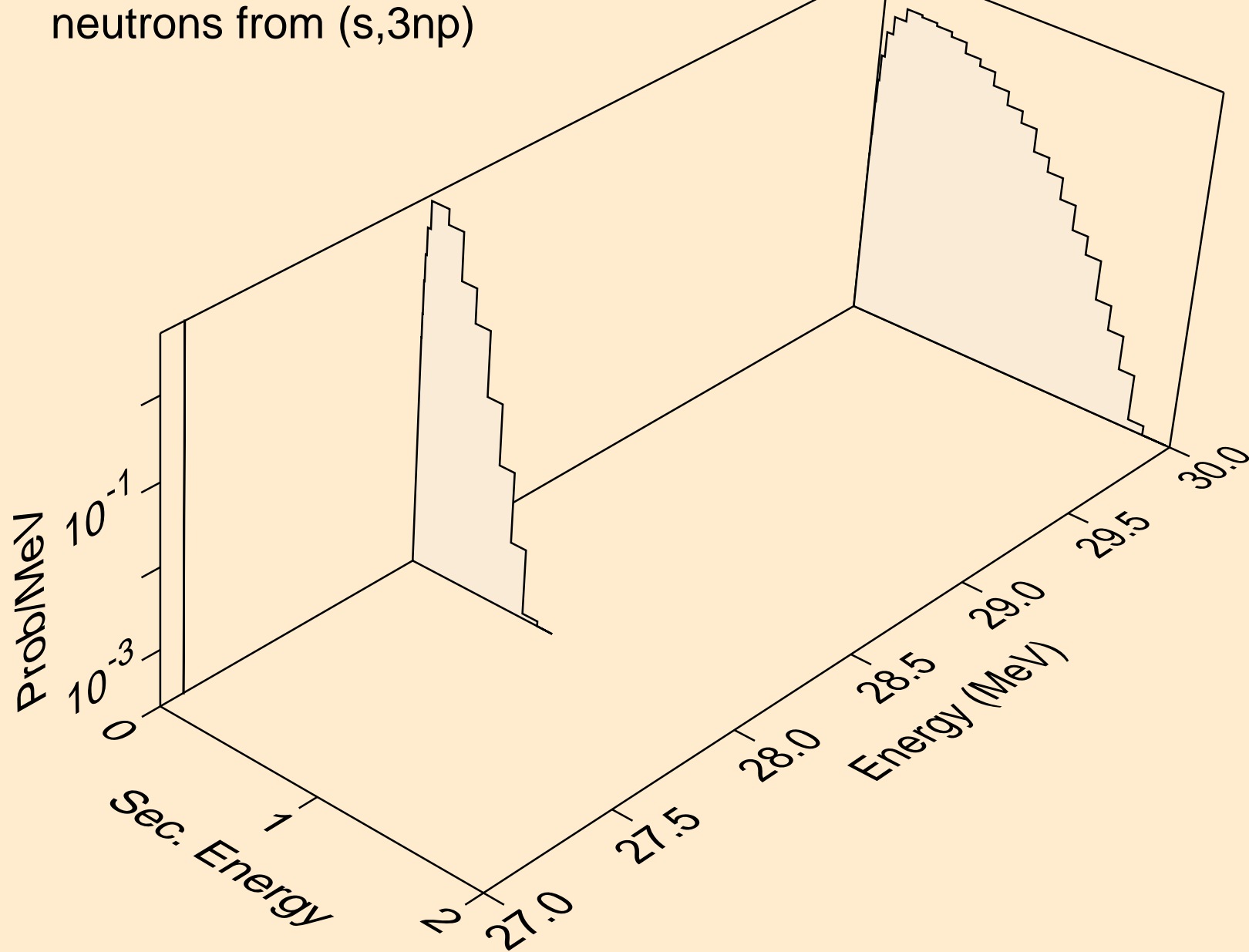
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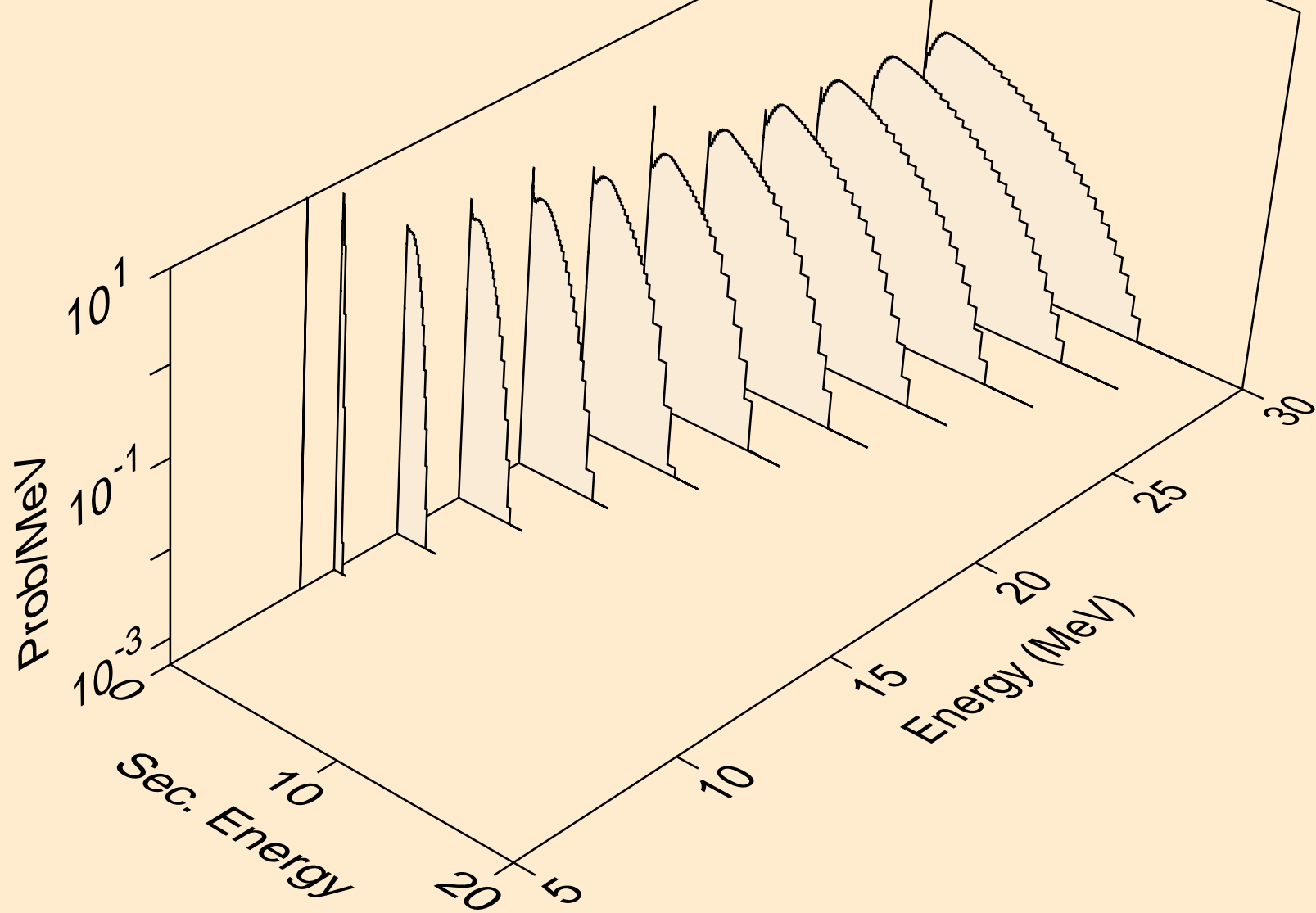
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neutrons from (s,2np)



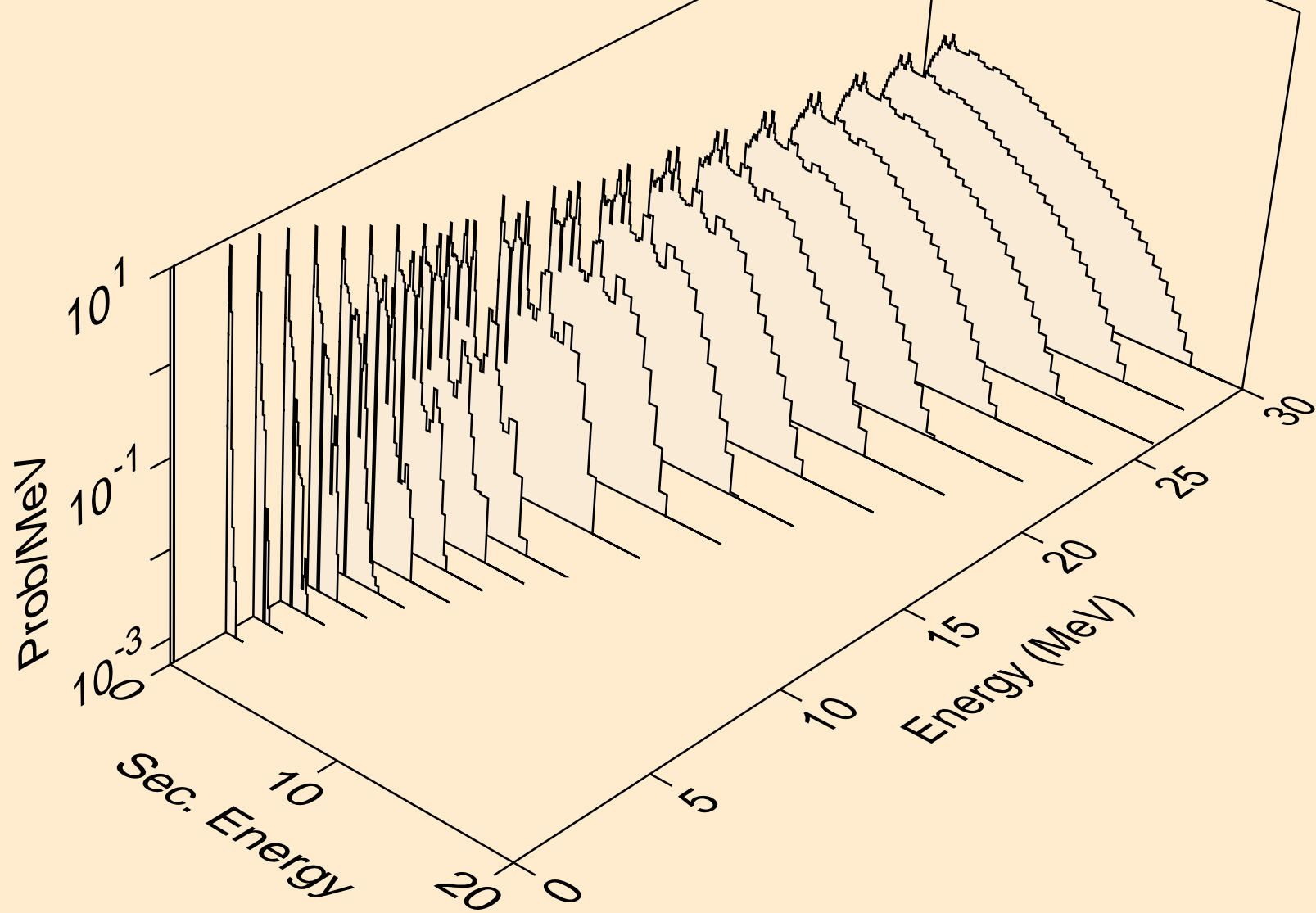
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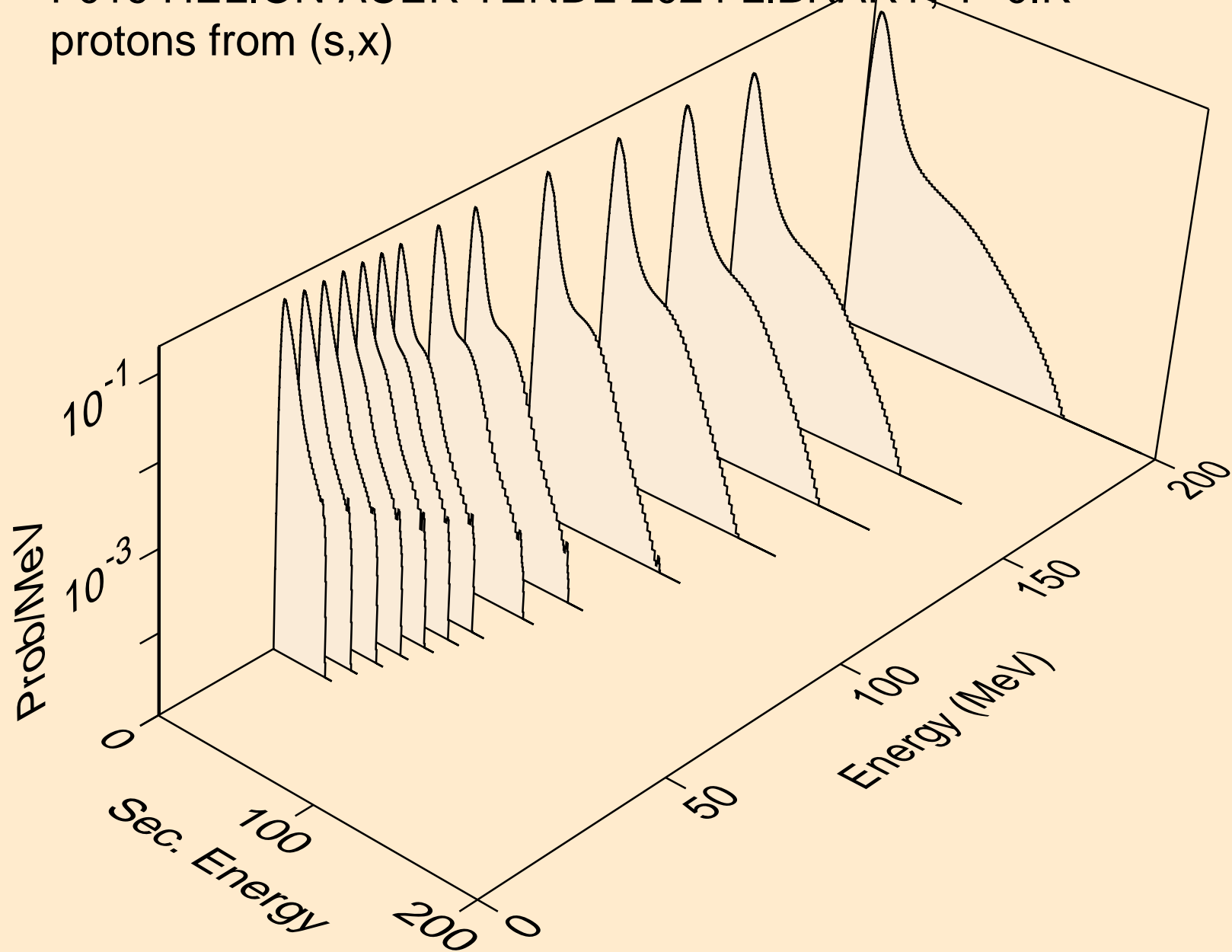
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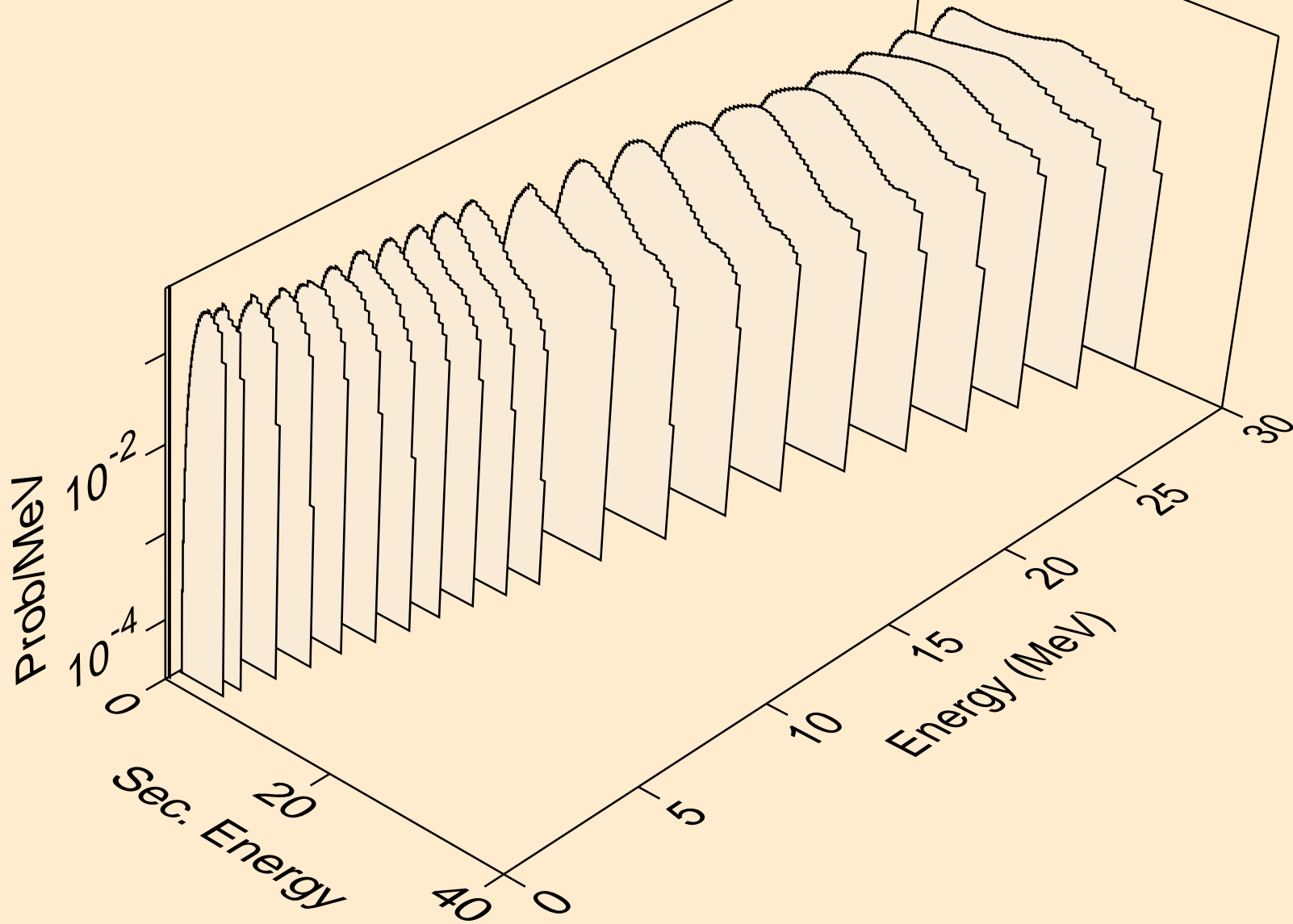
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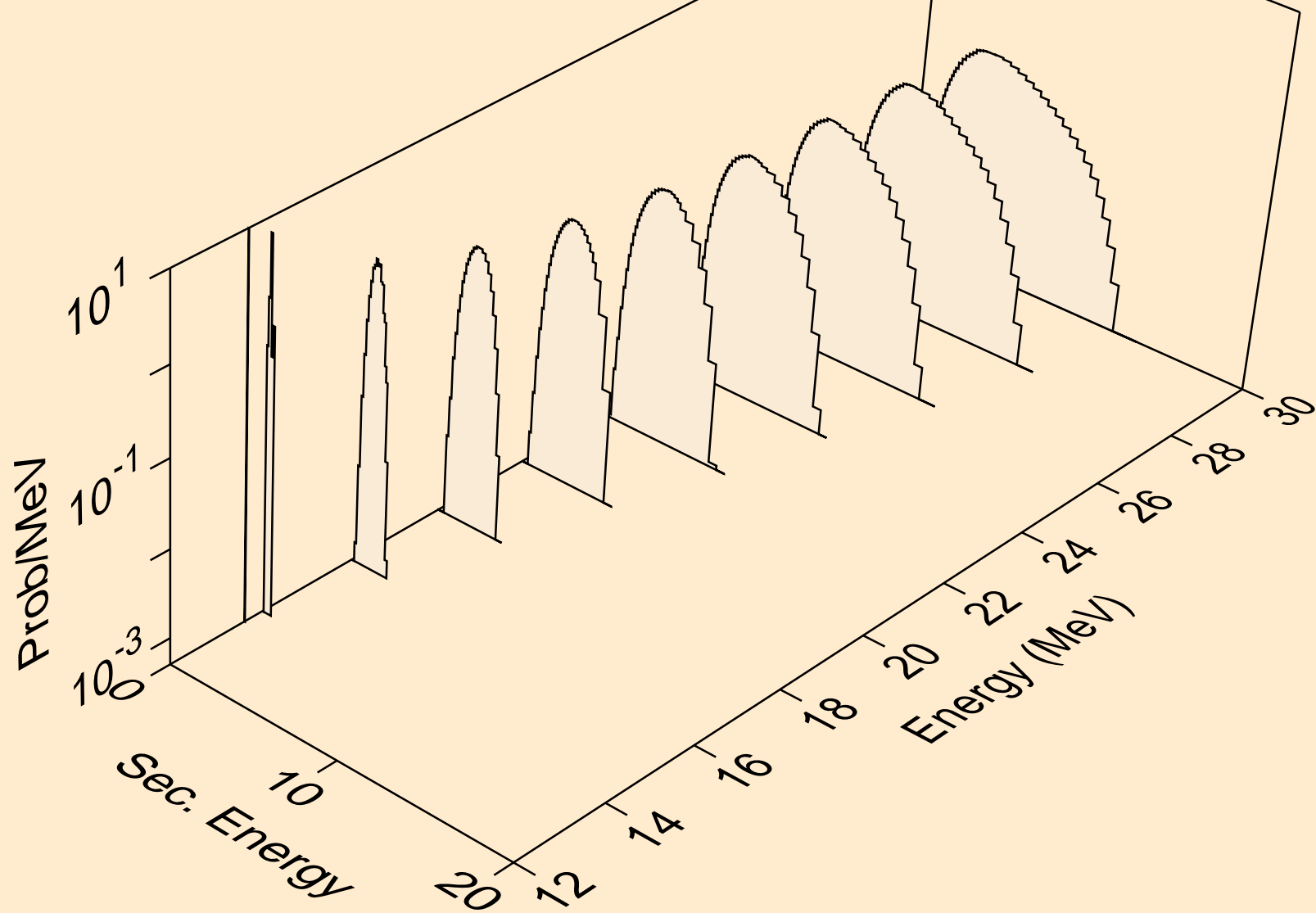
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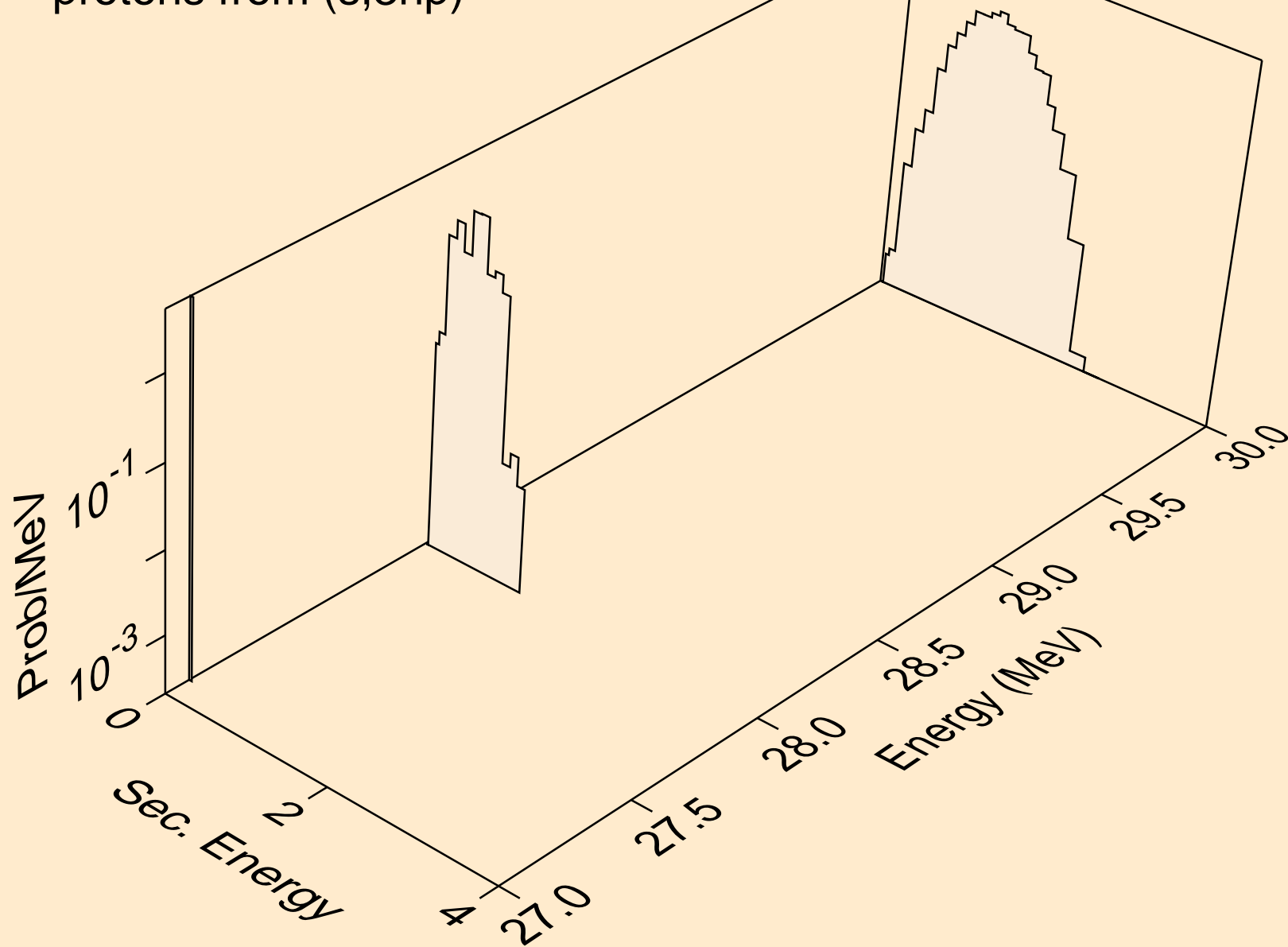
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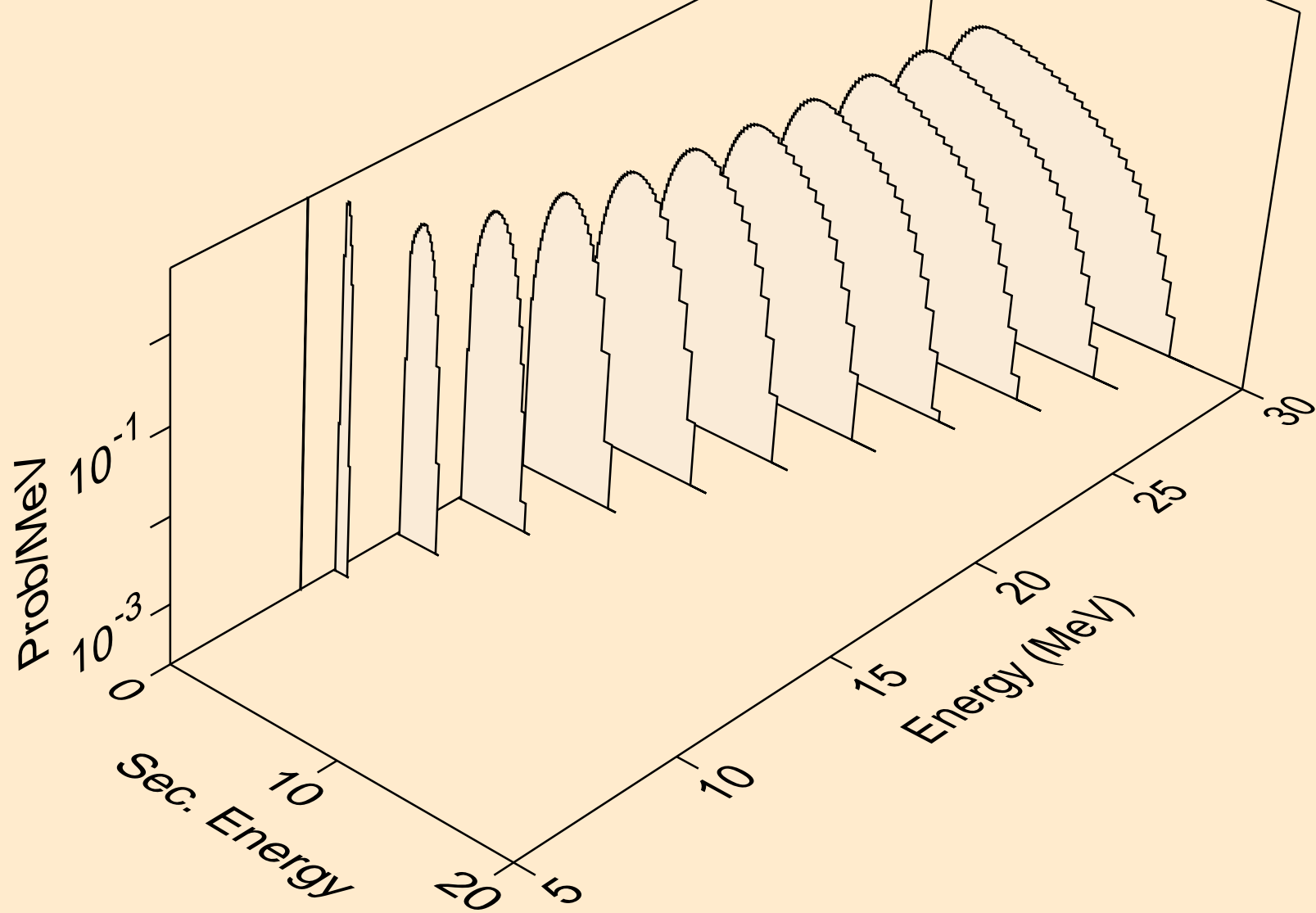
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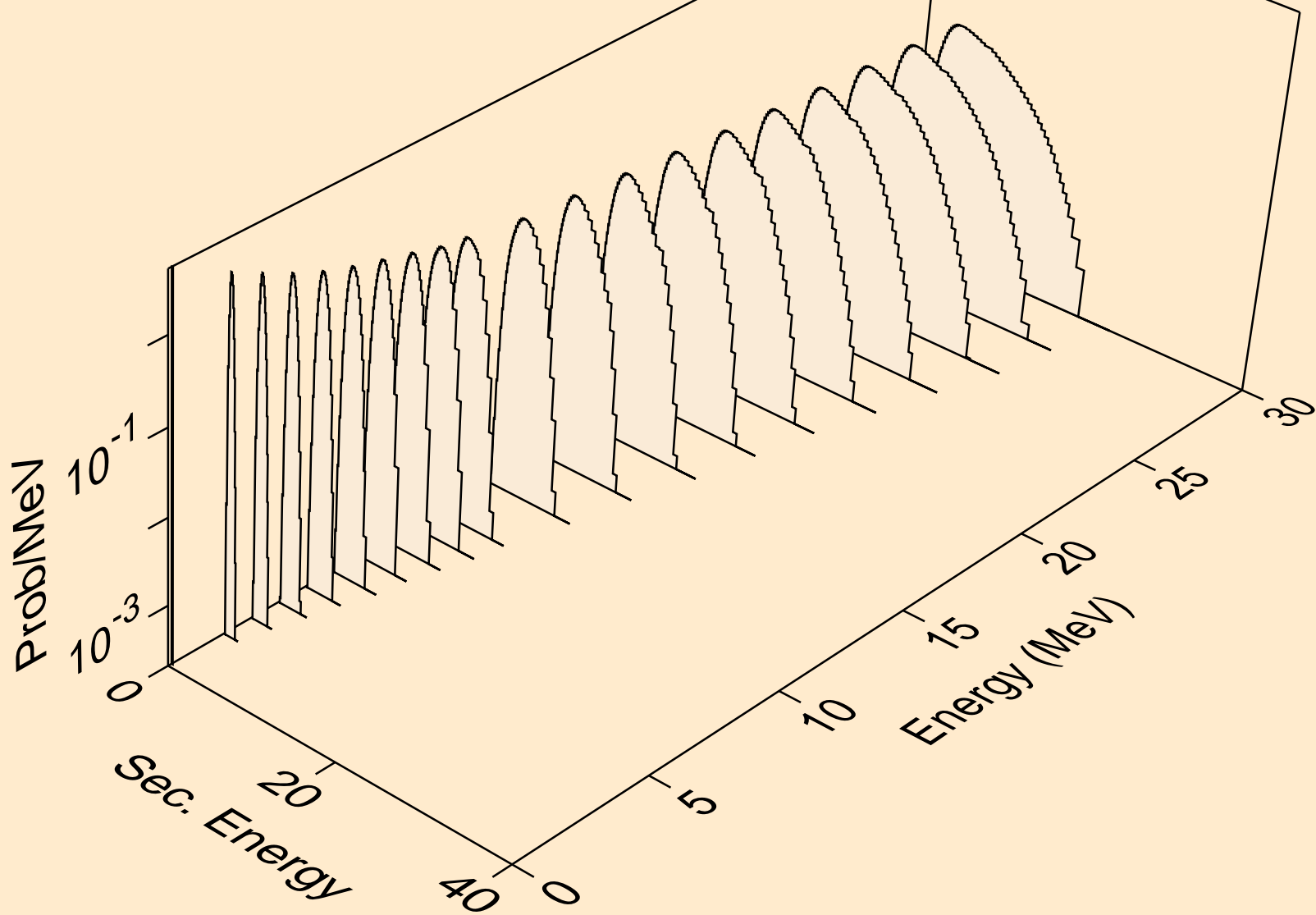
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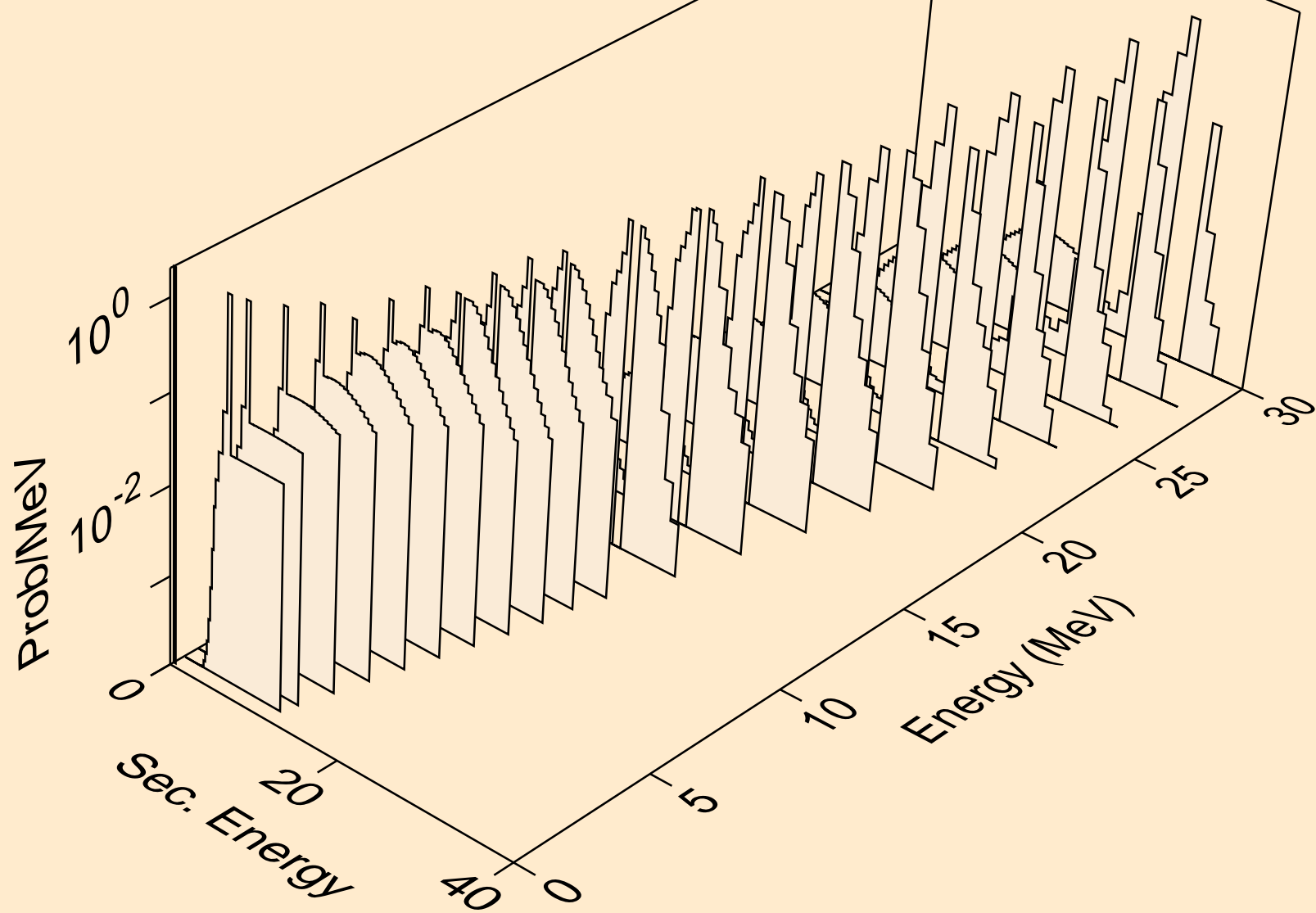
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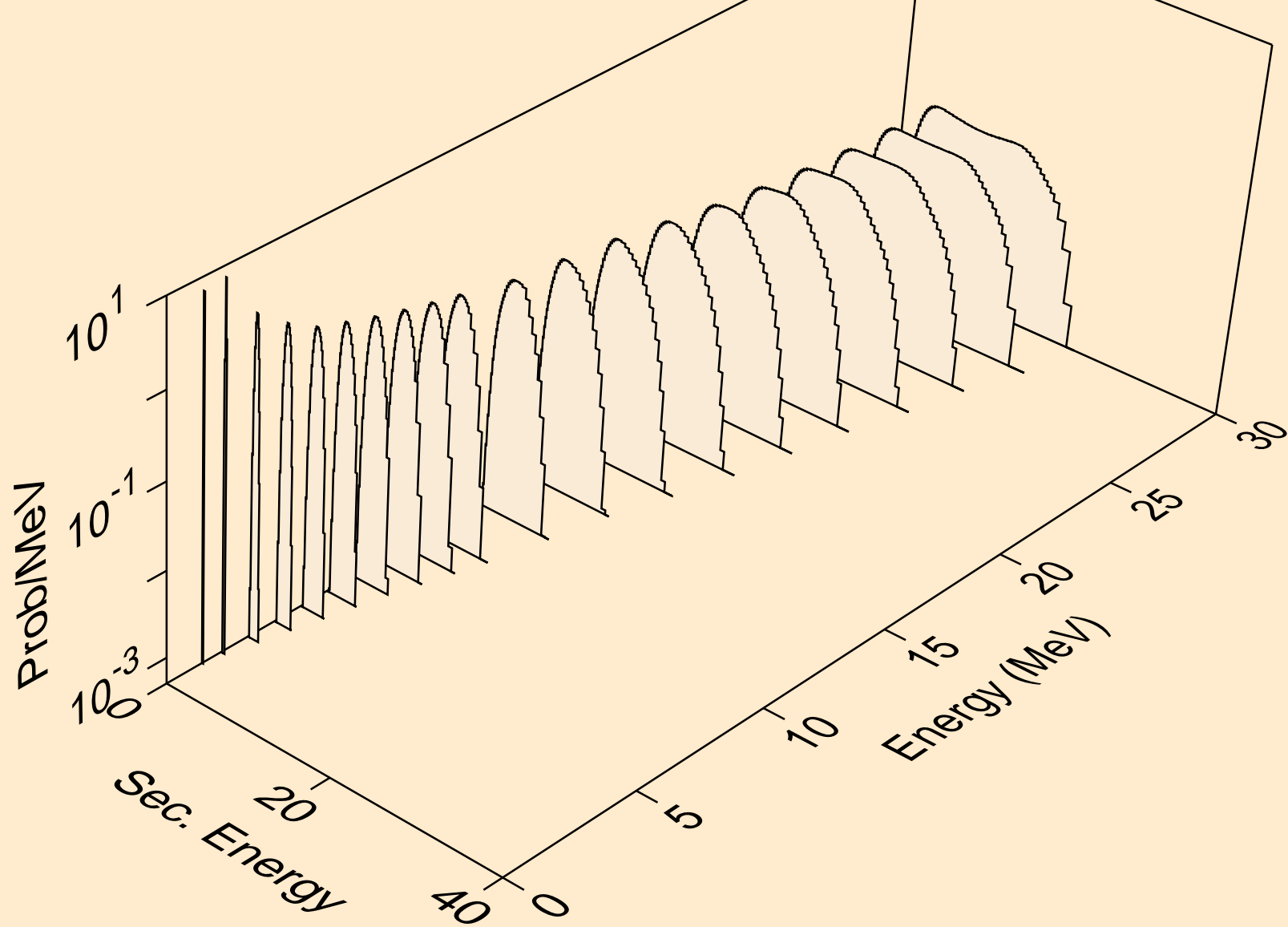
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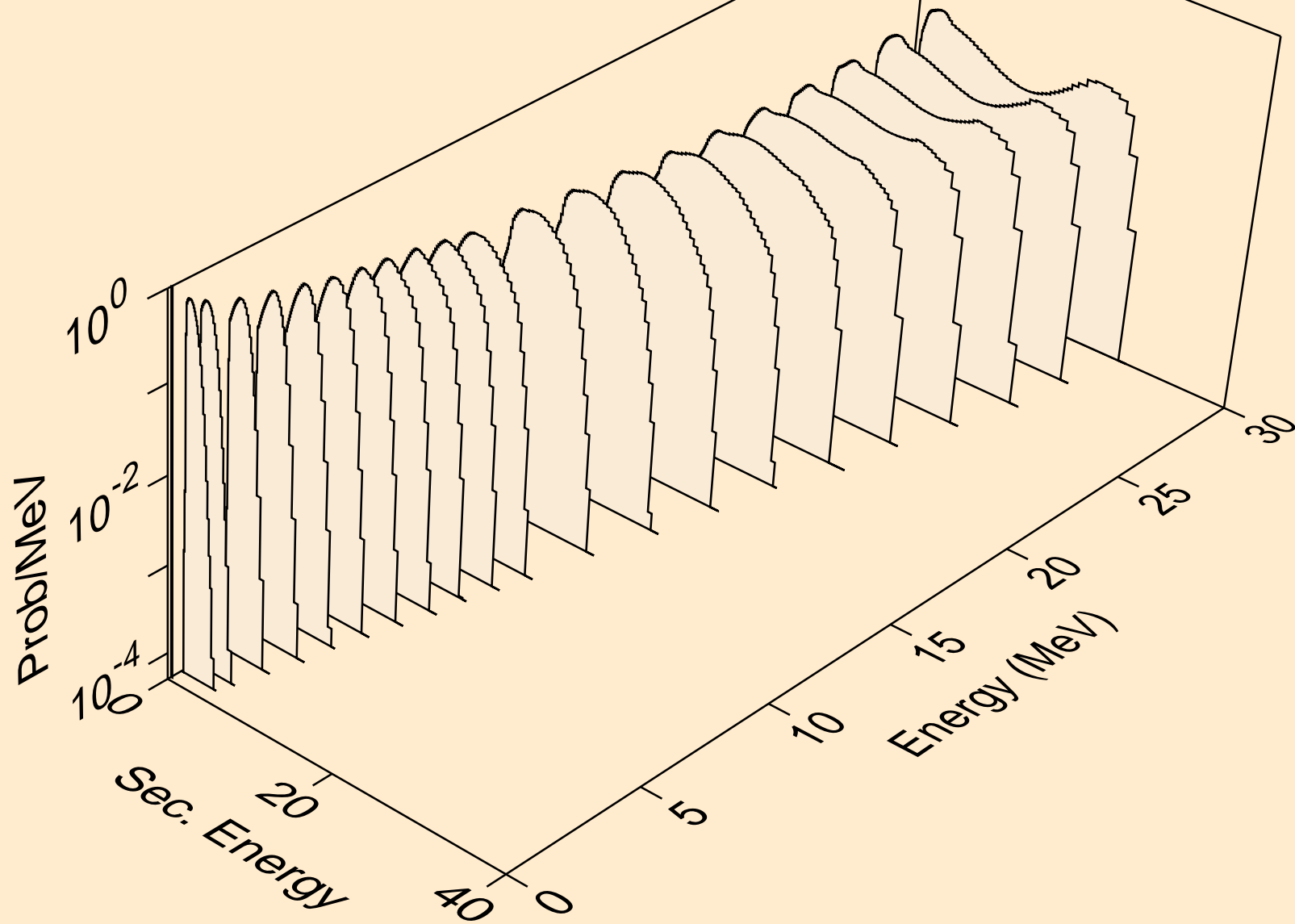
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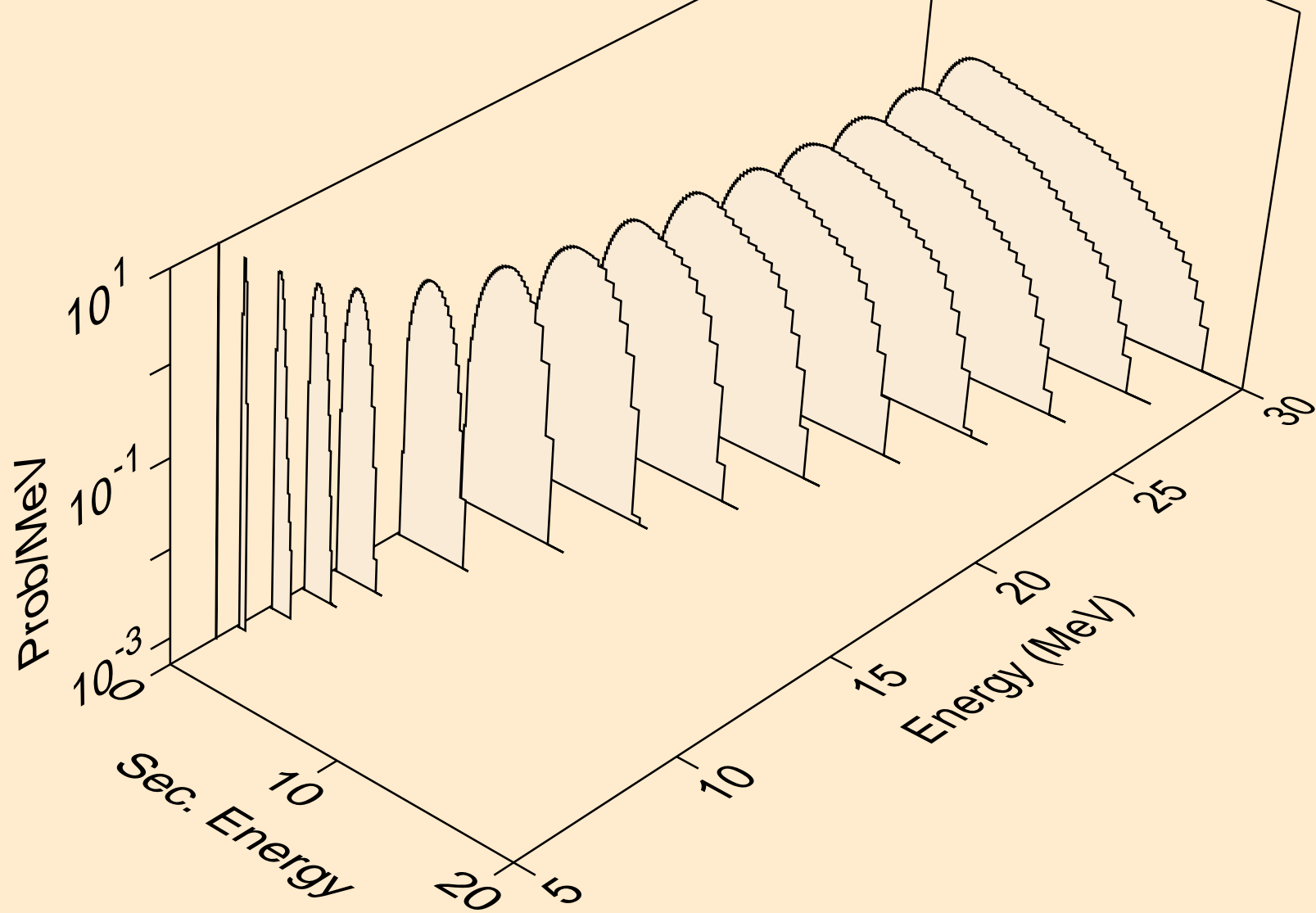
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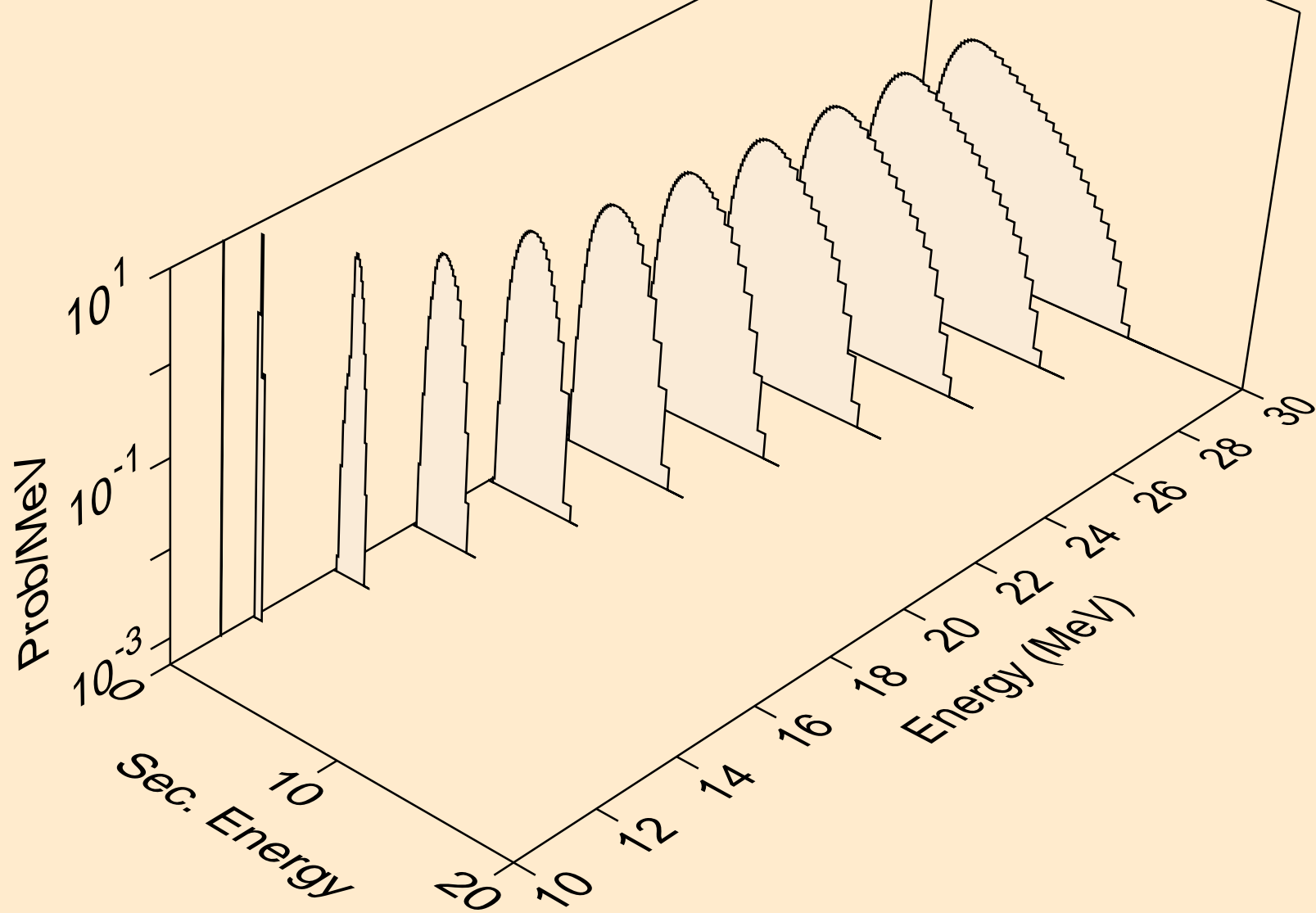
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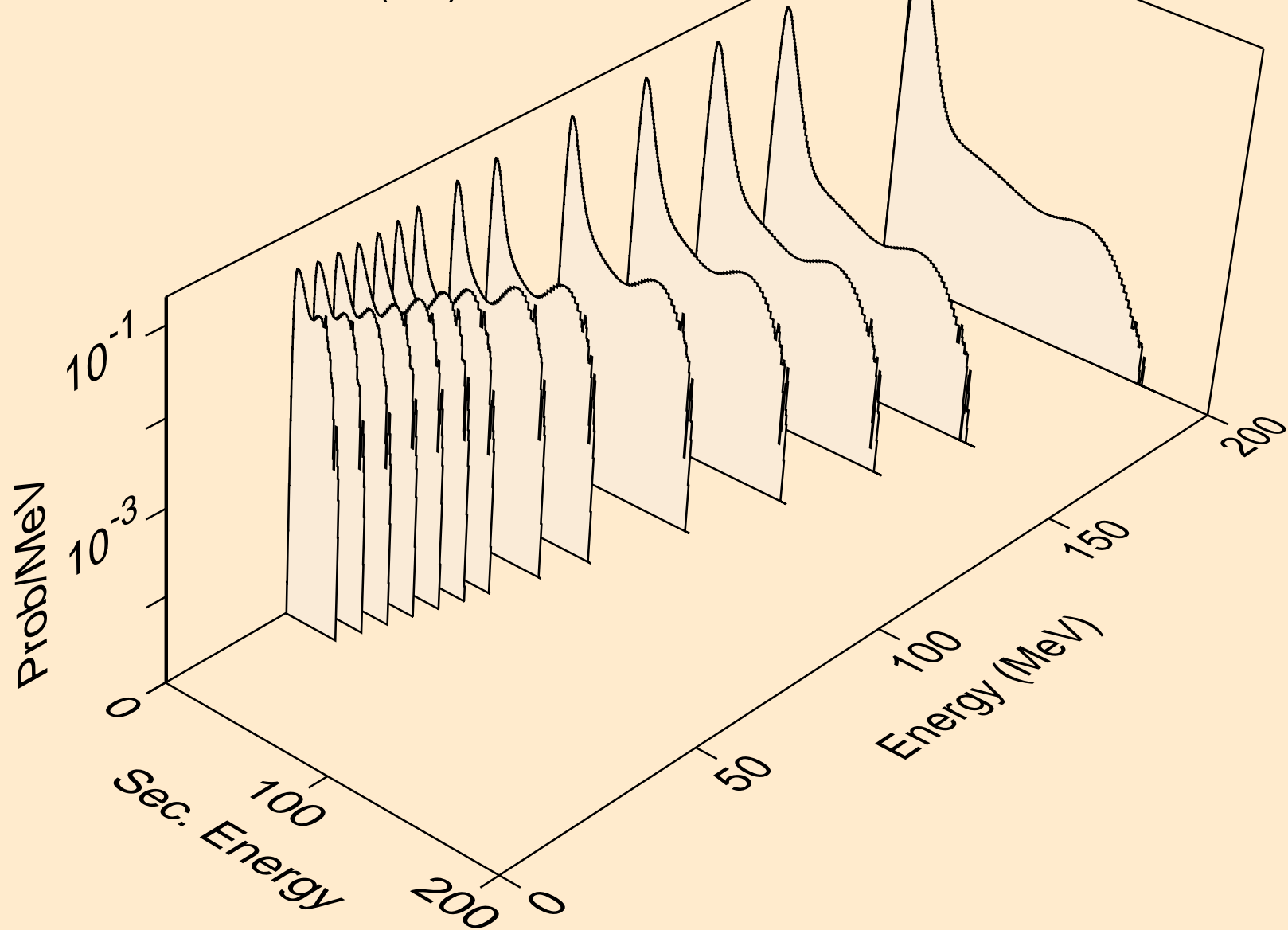
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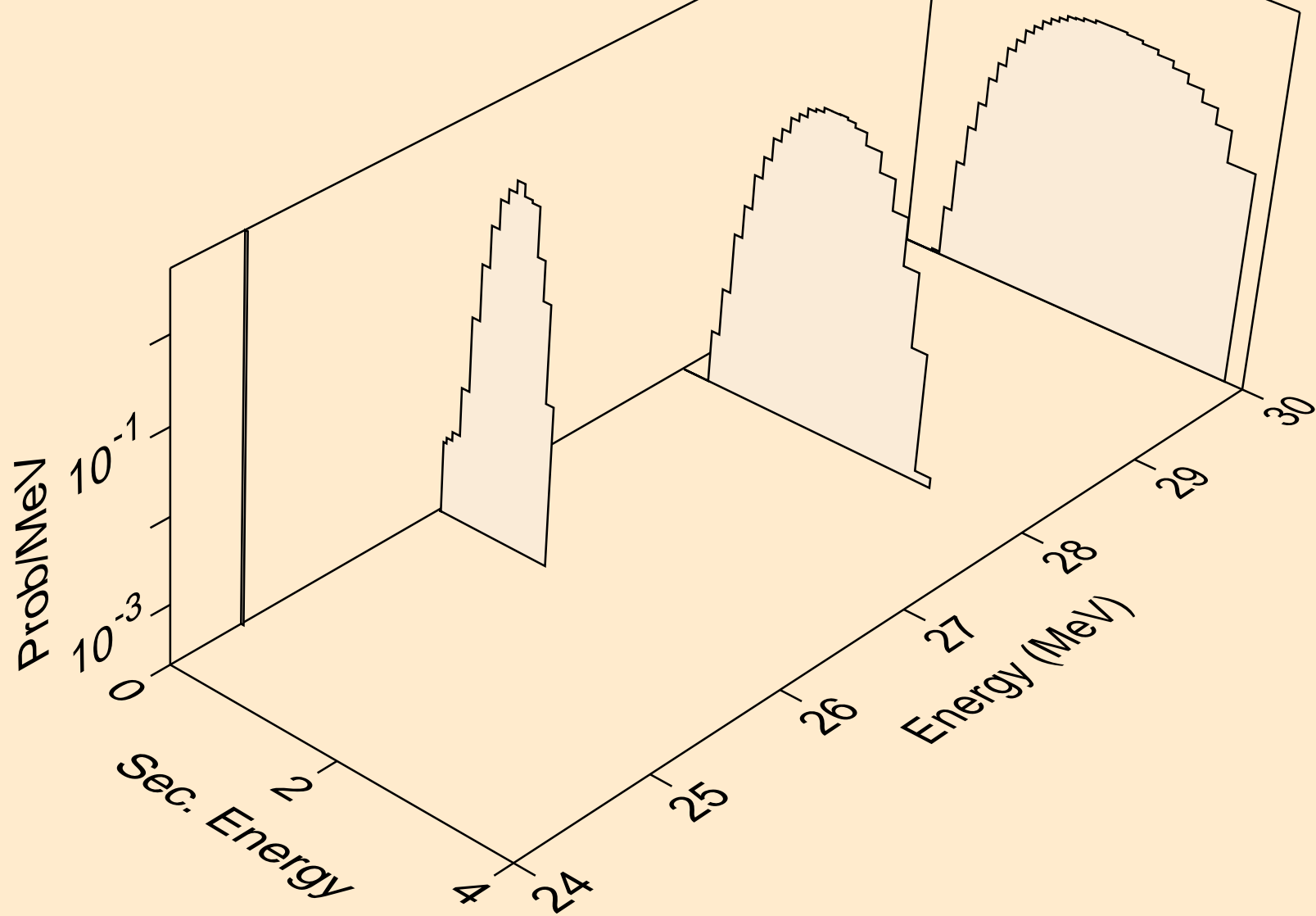
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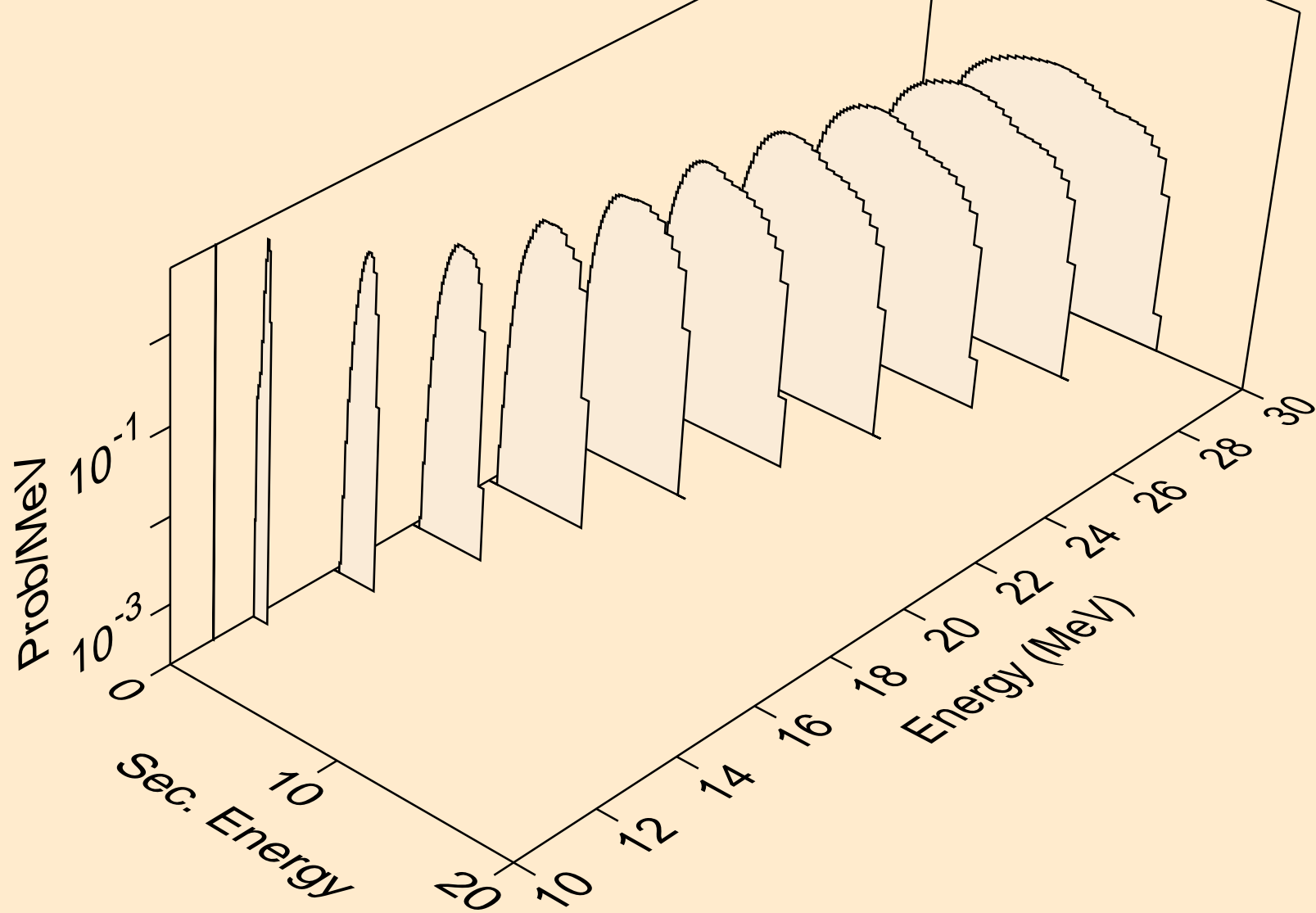
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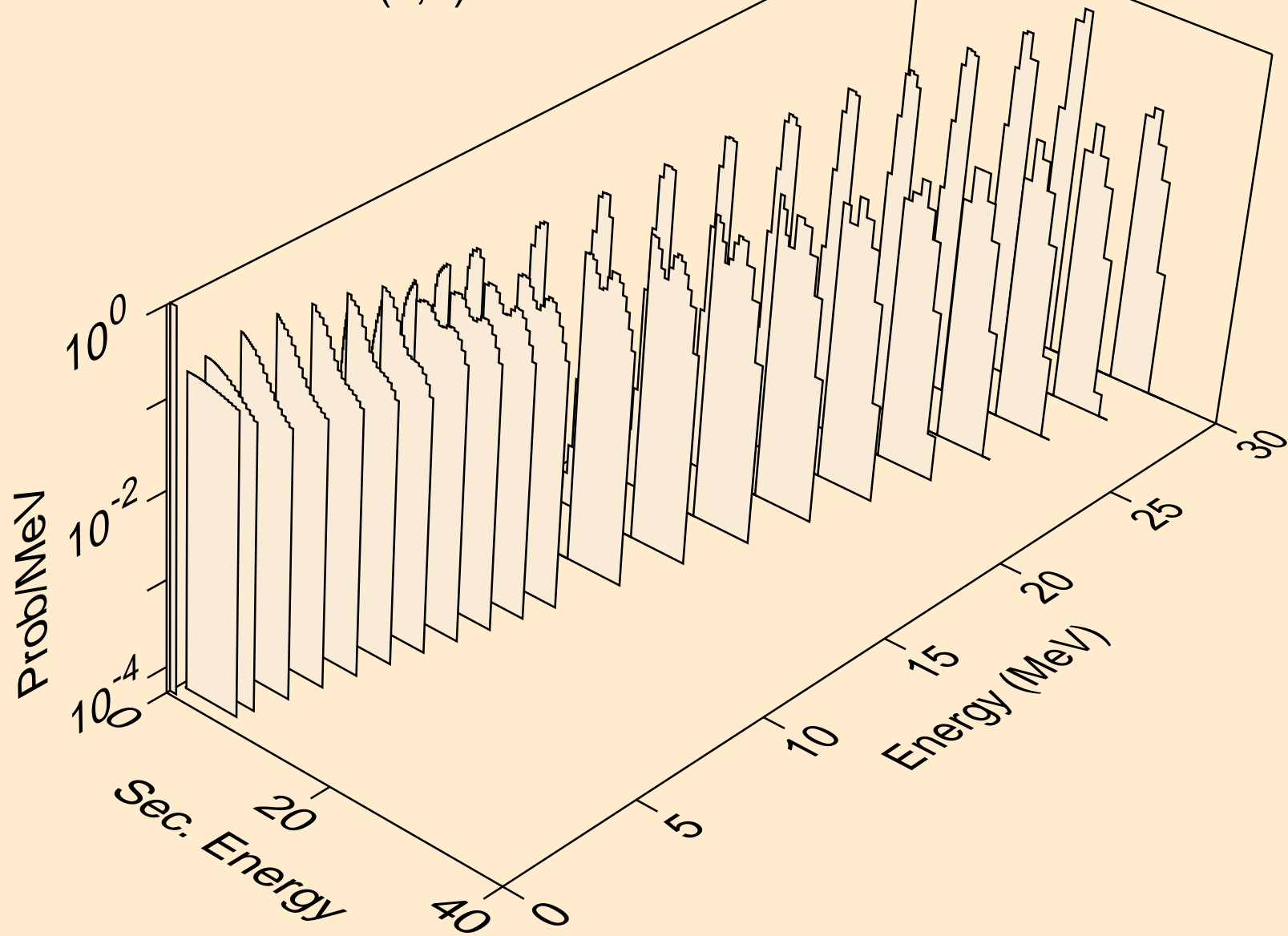
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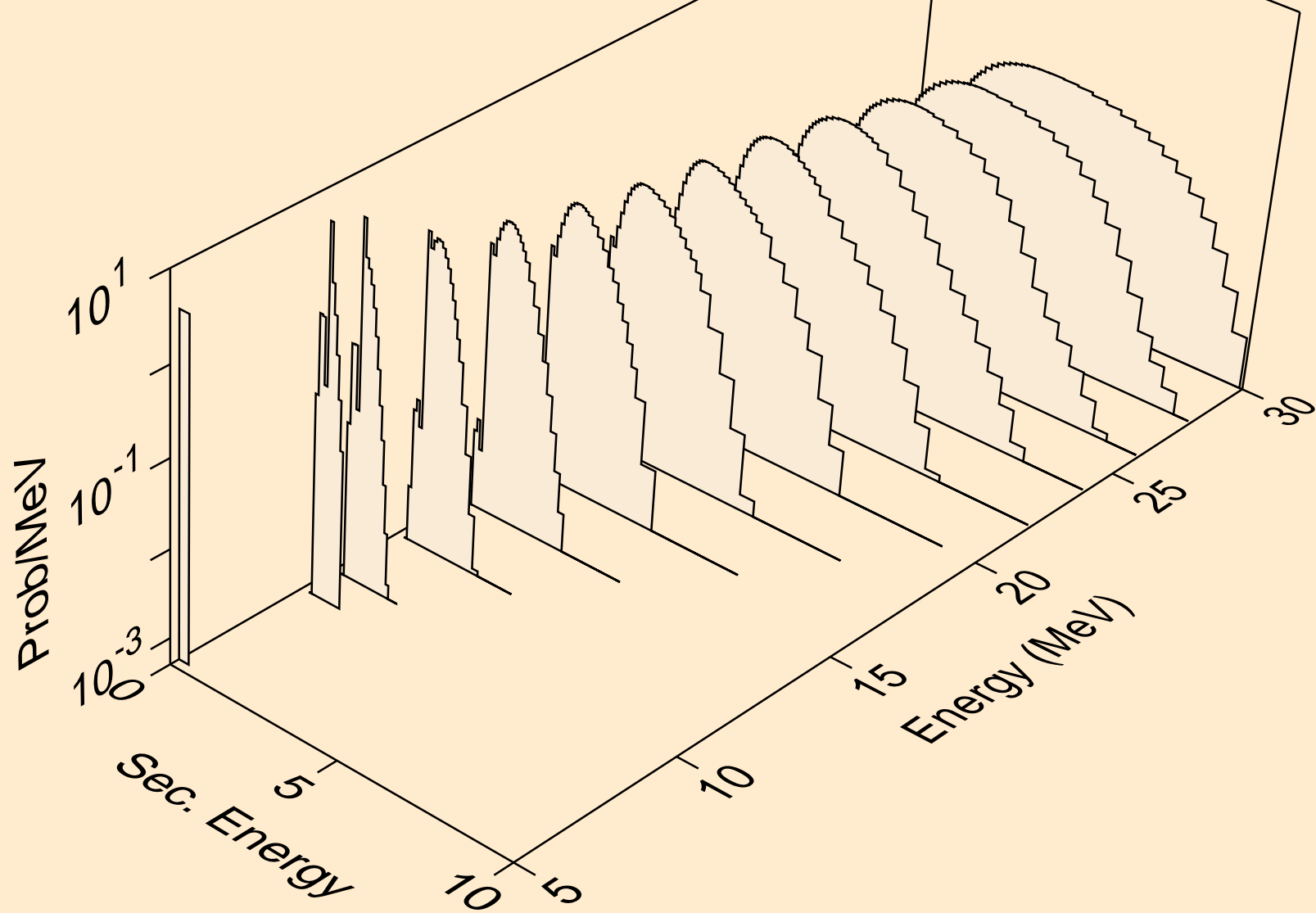
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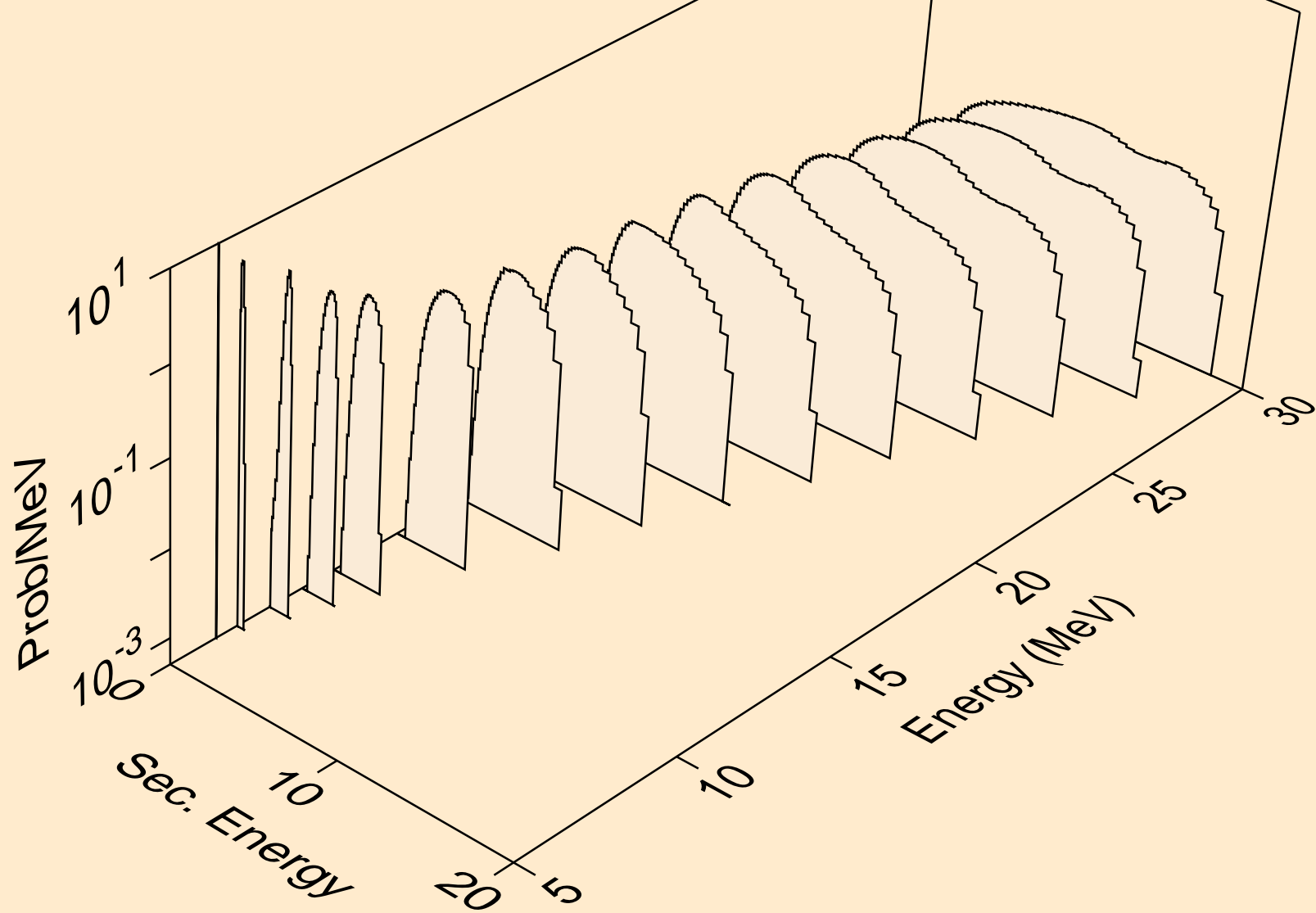
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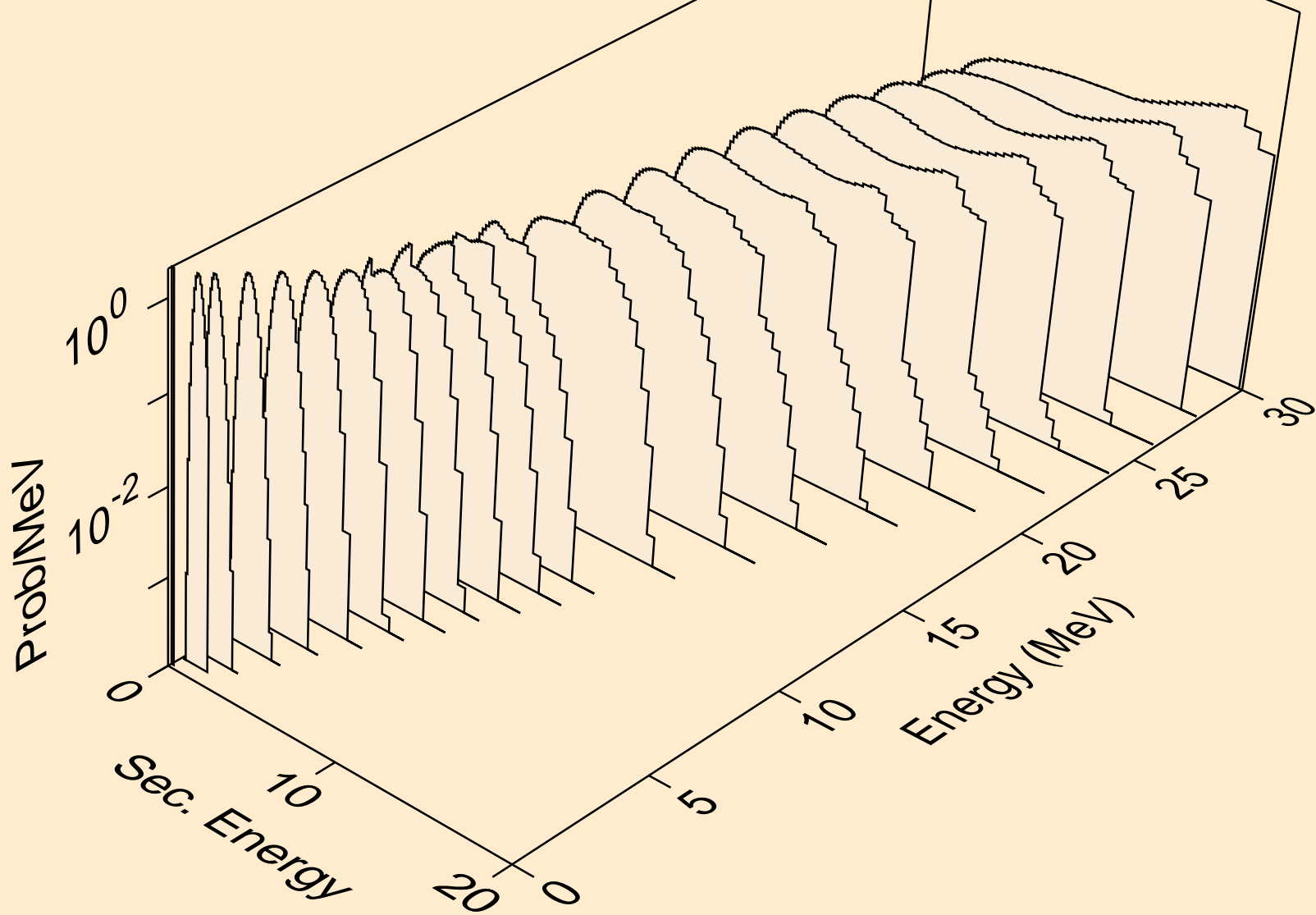
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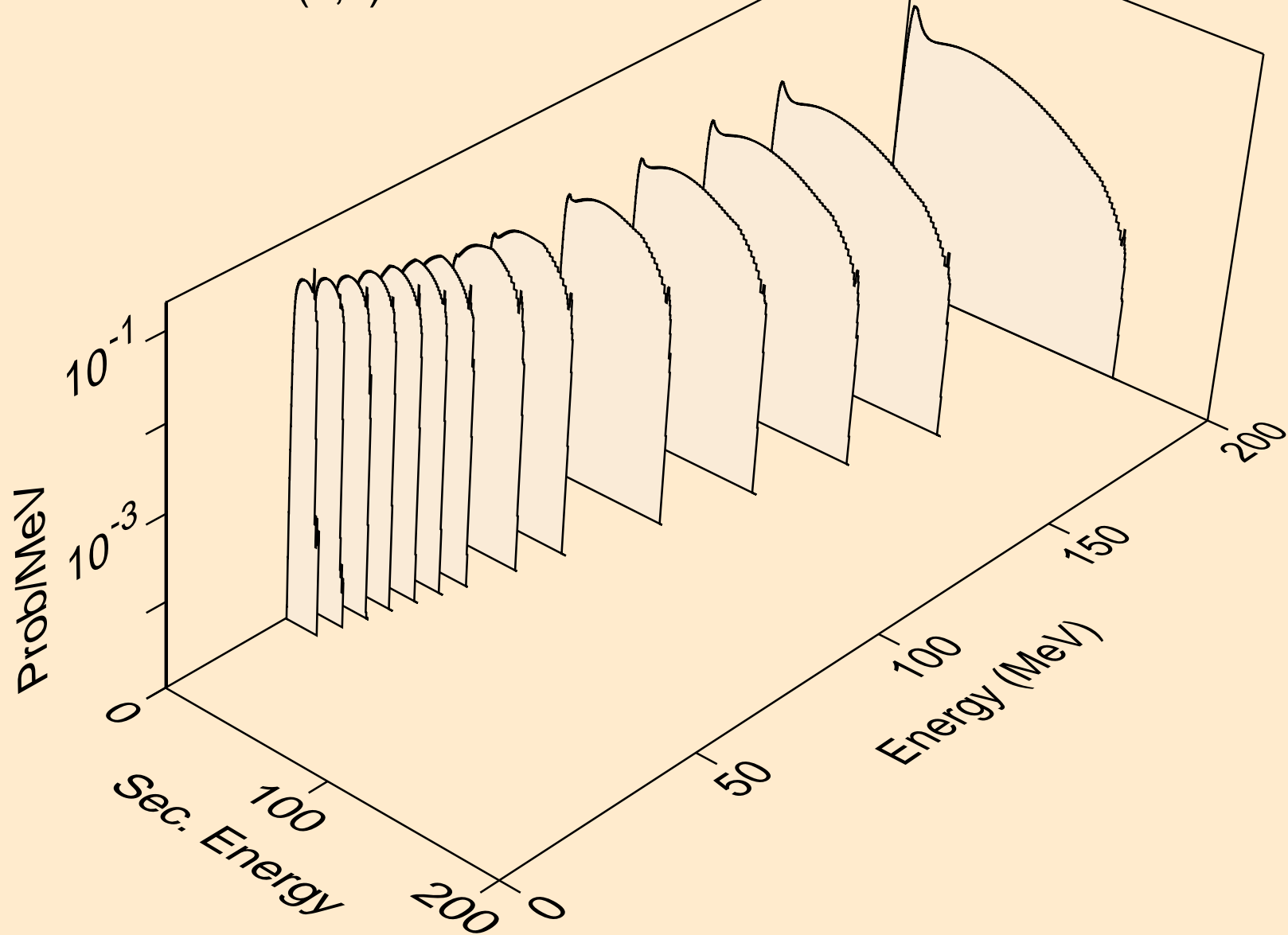
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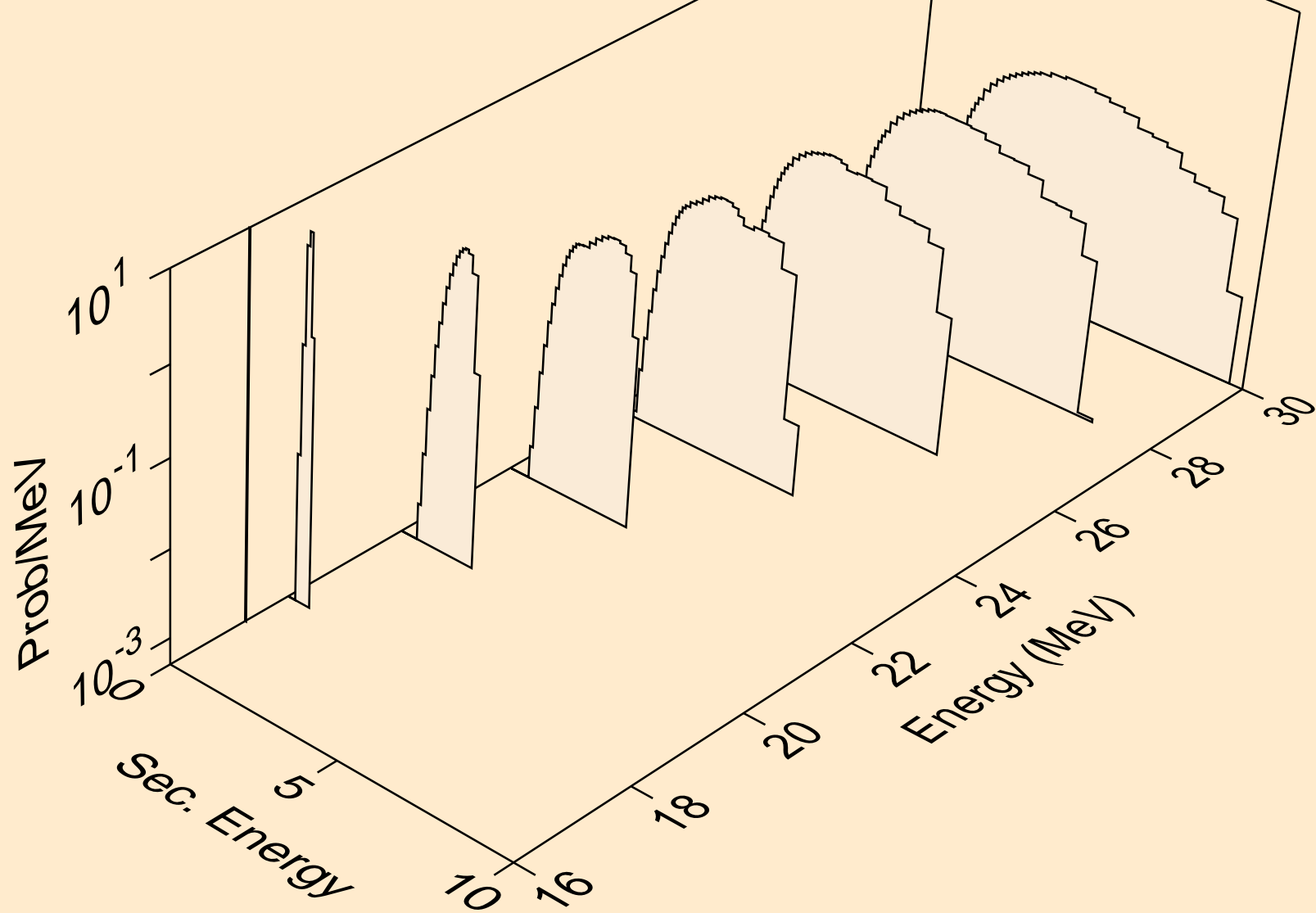
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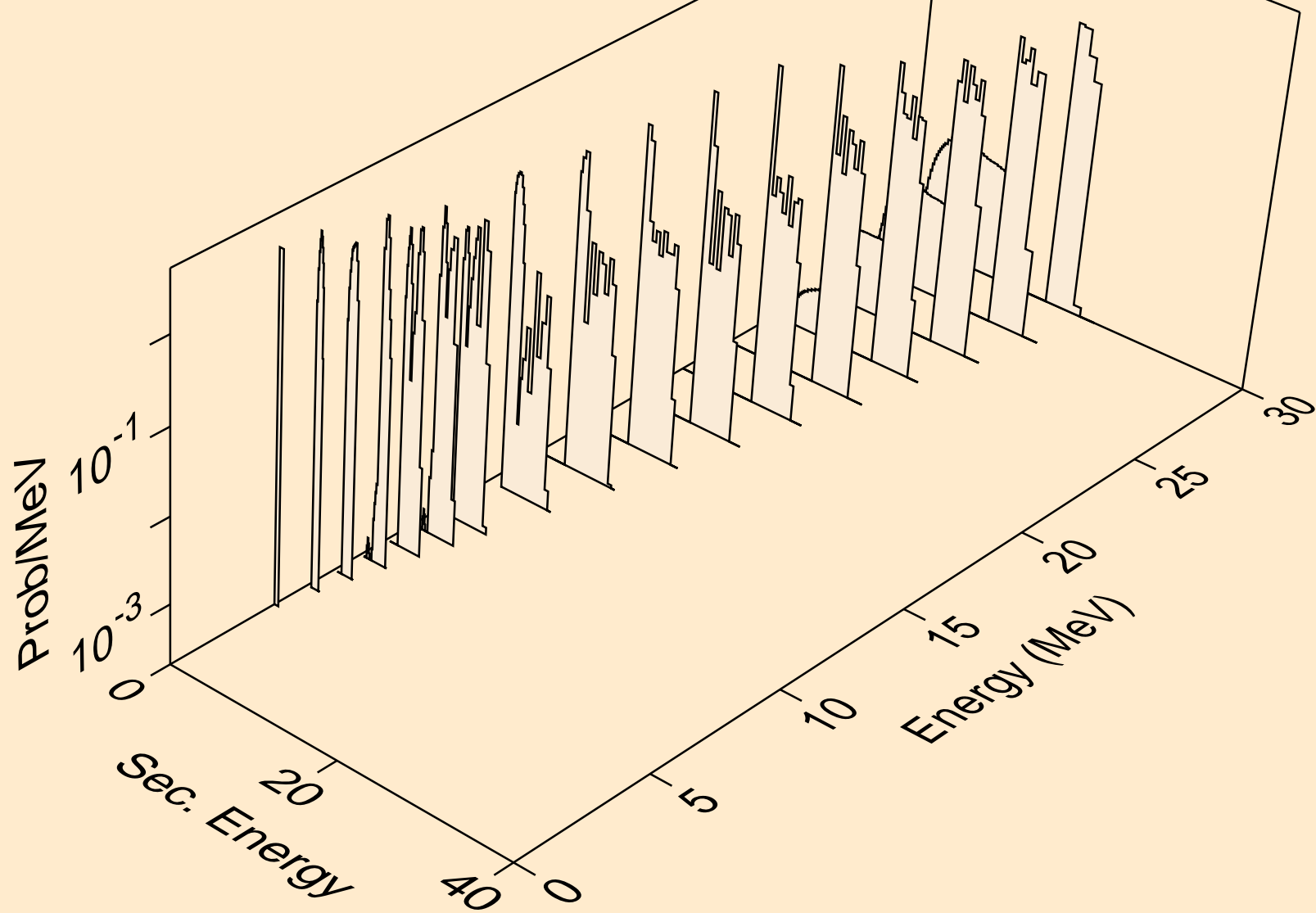
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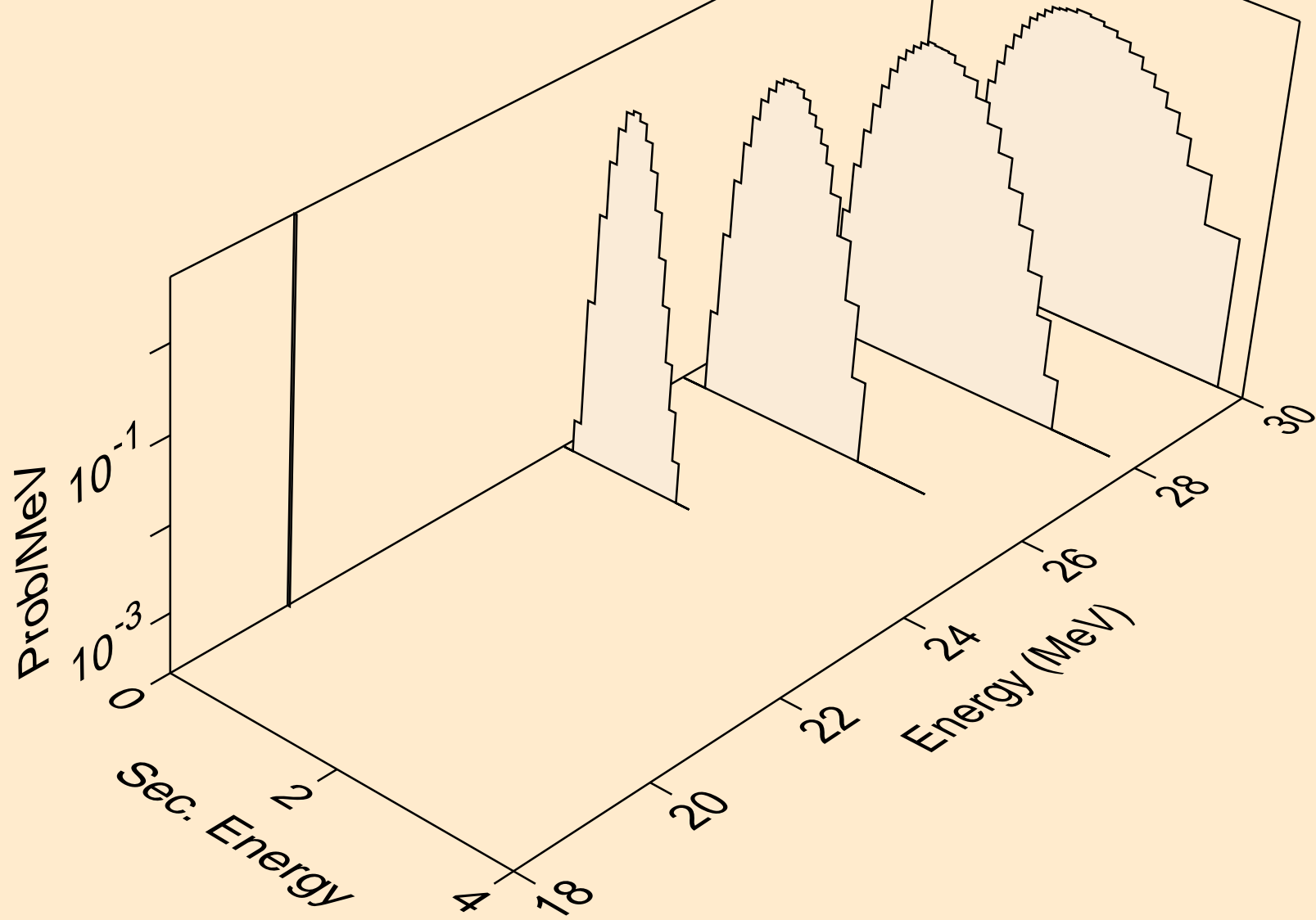
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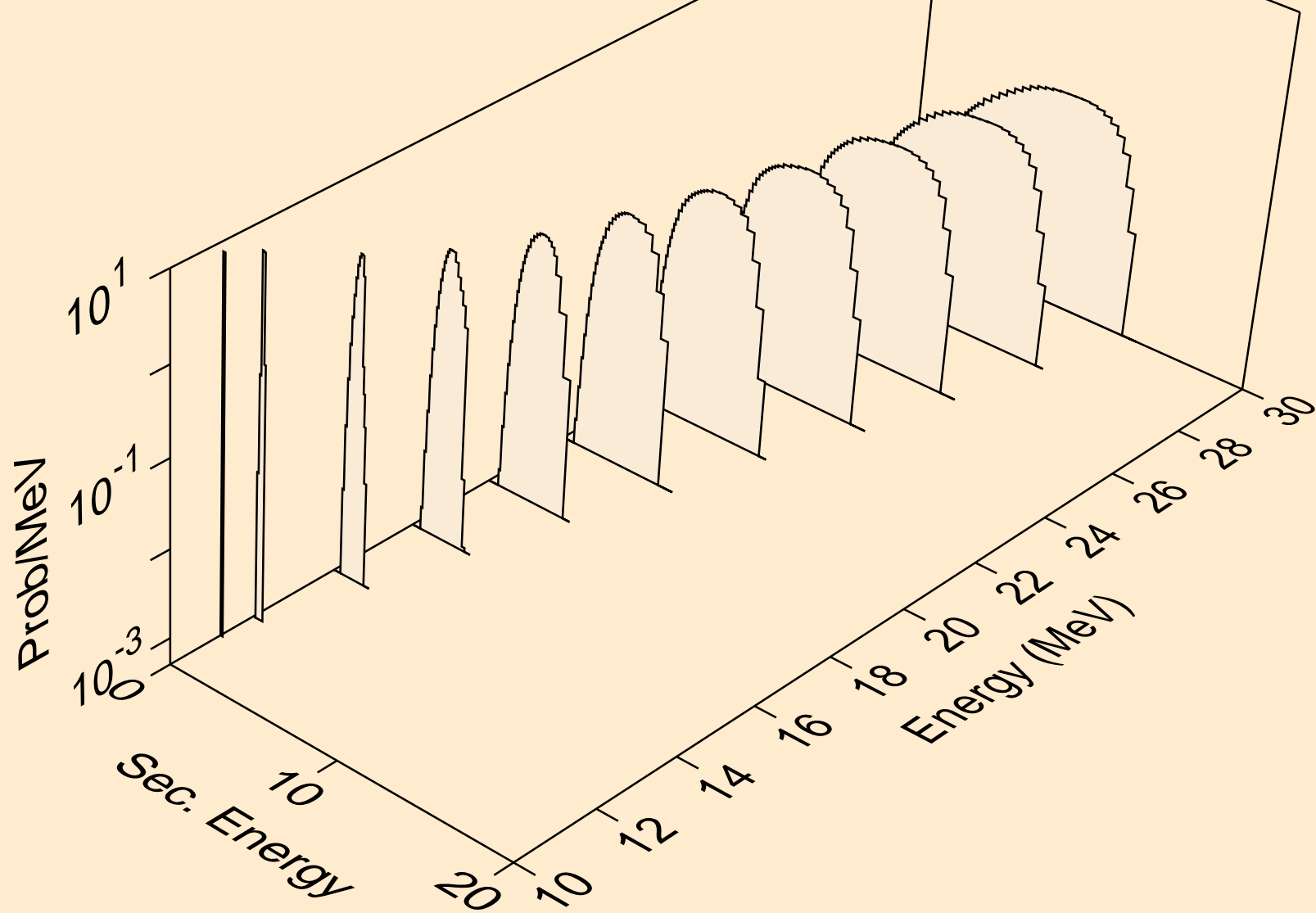
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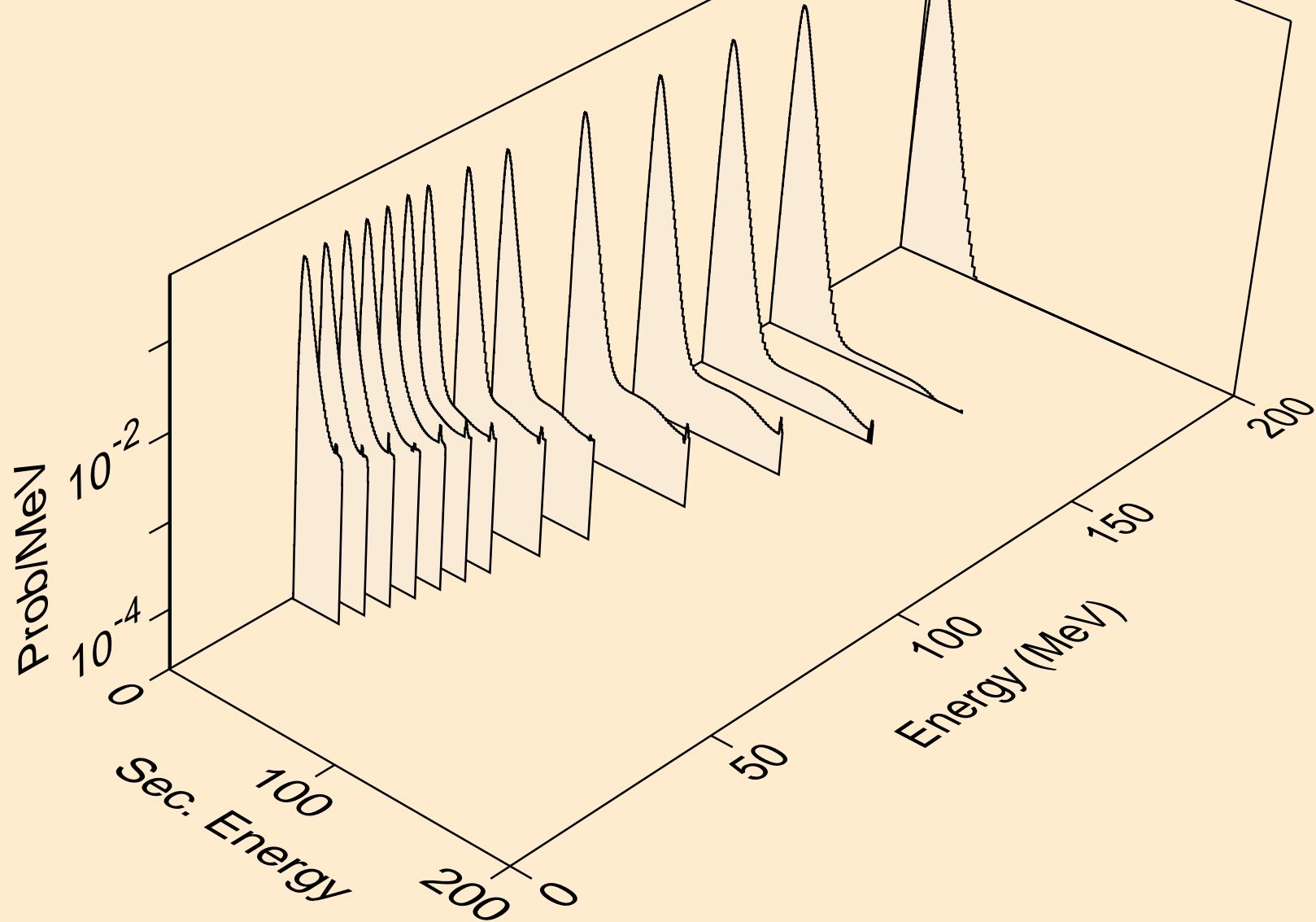
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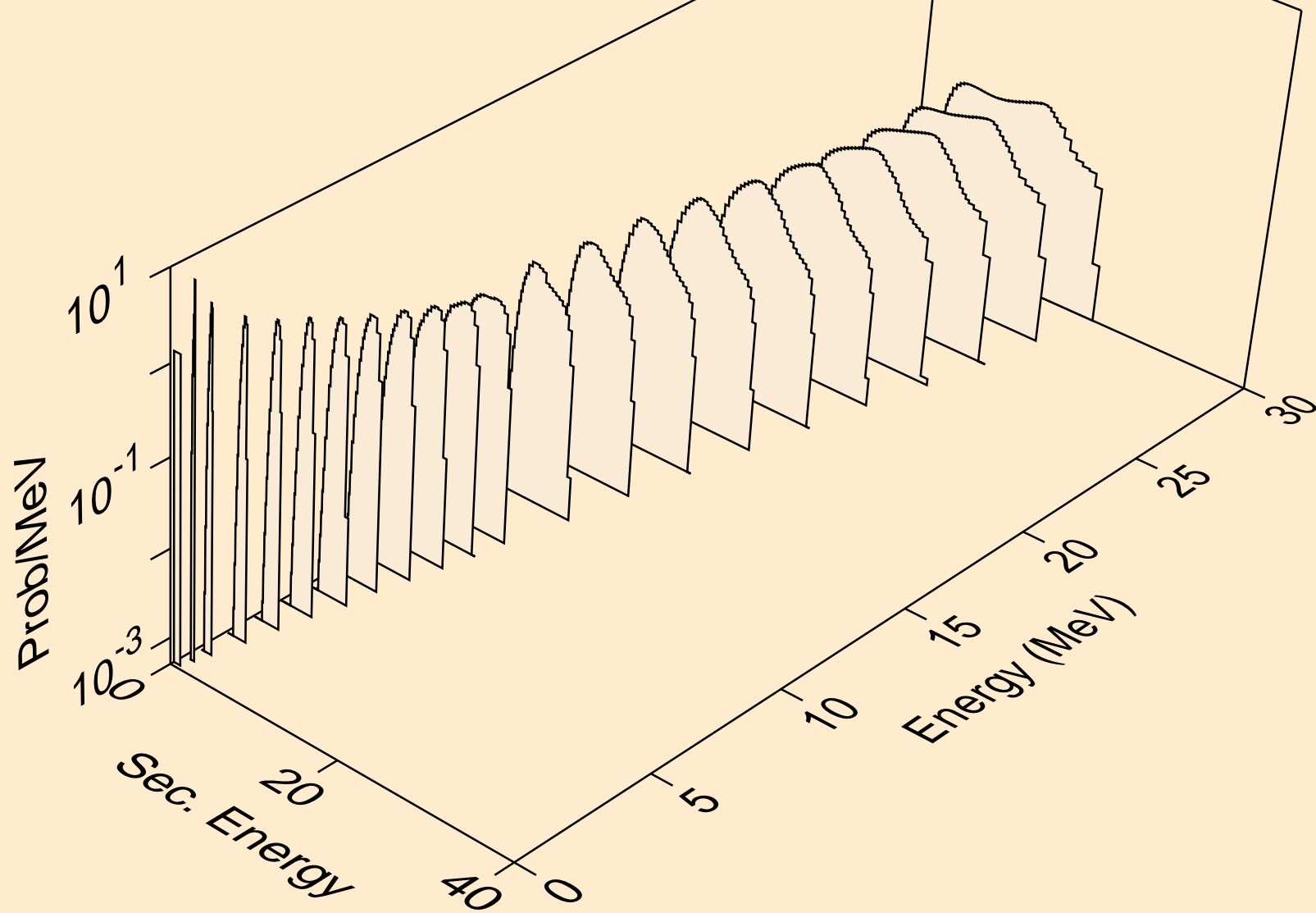
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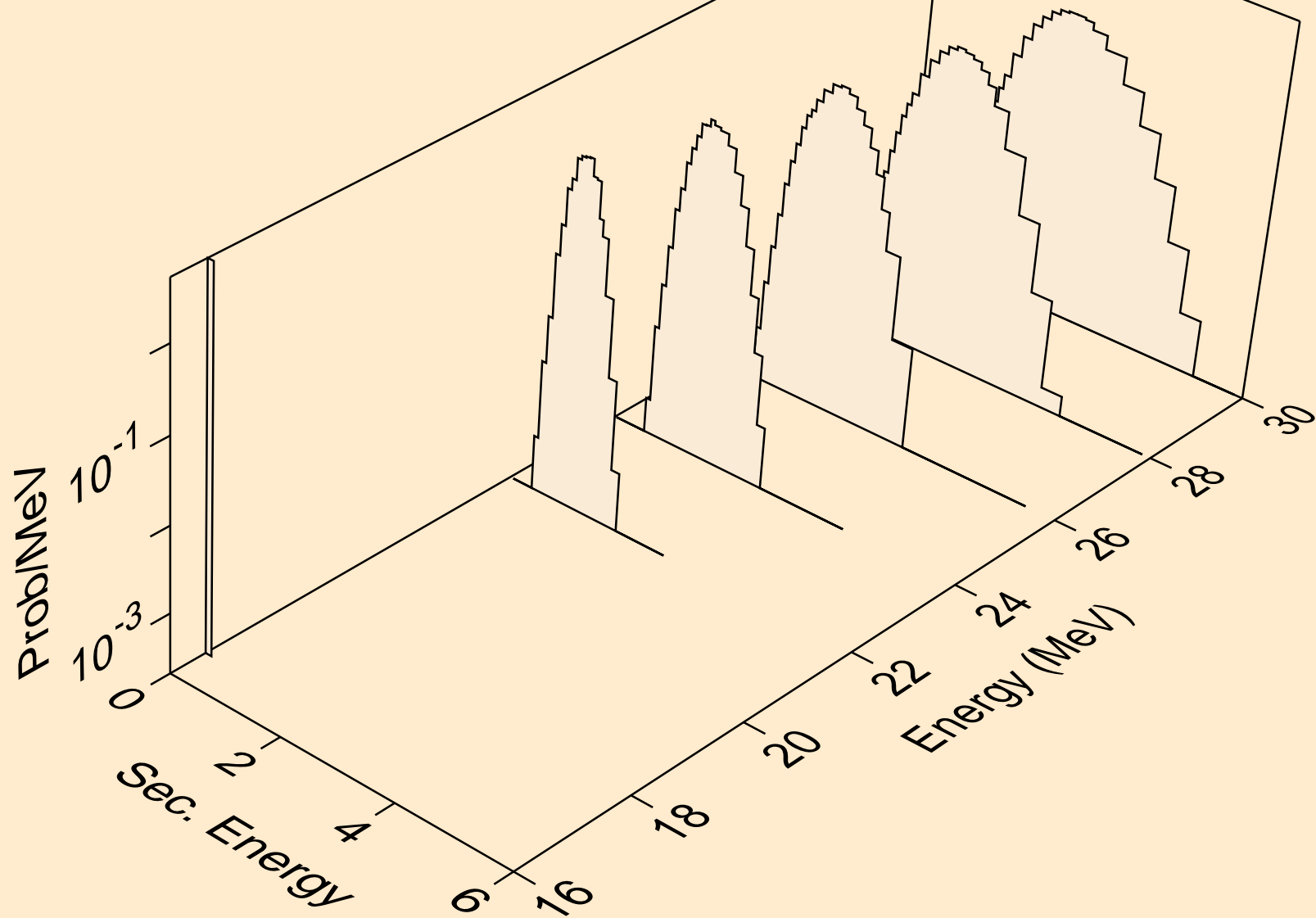
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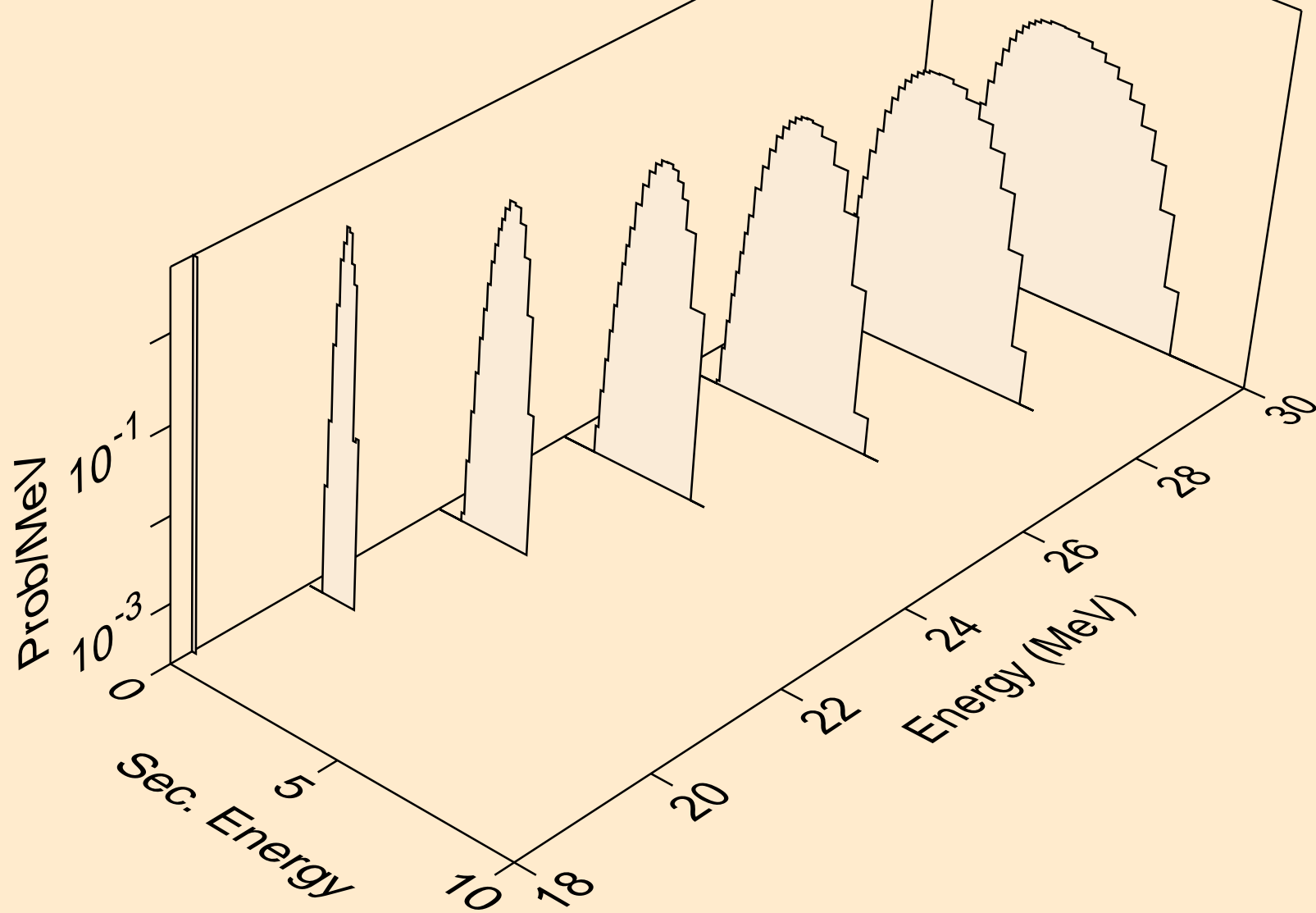
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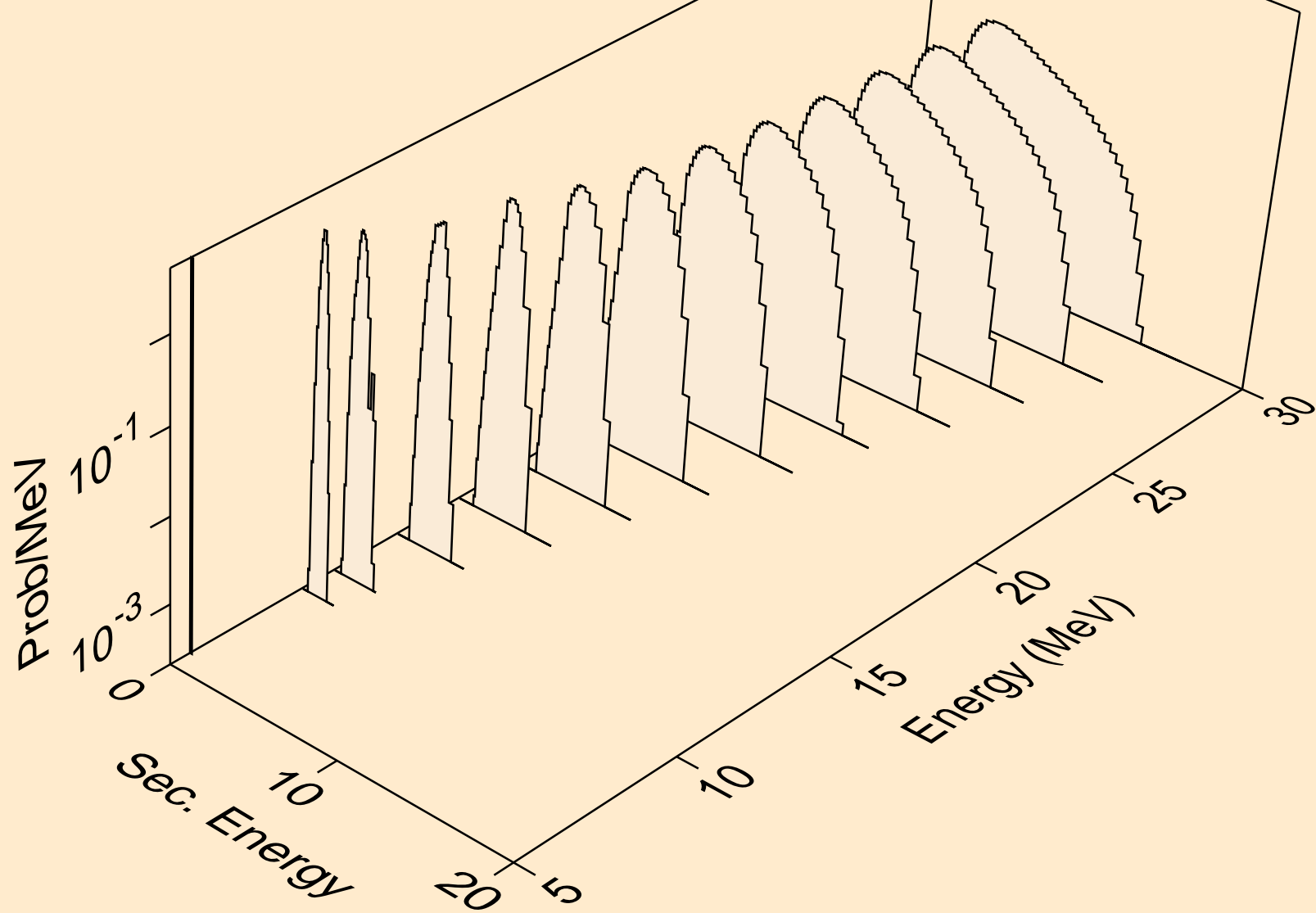
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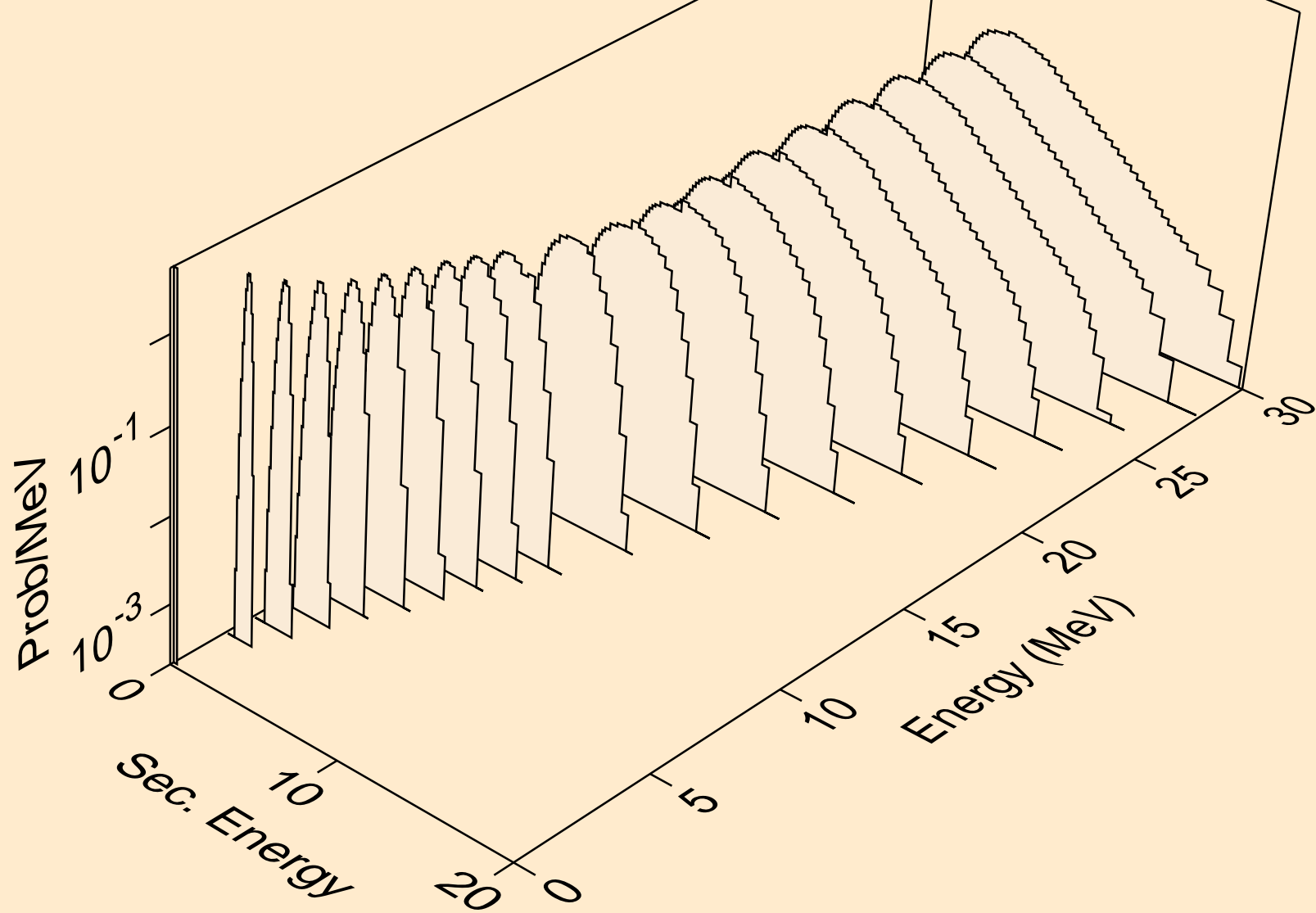
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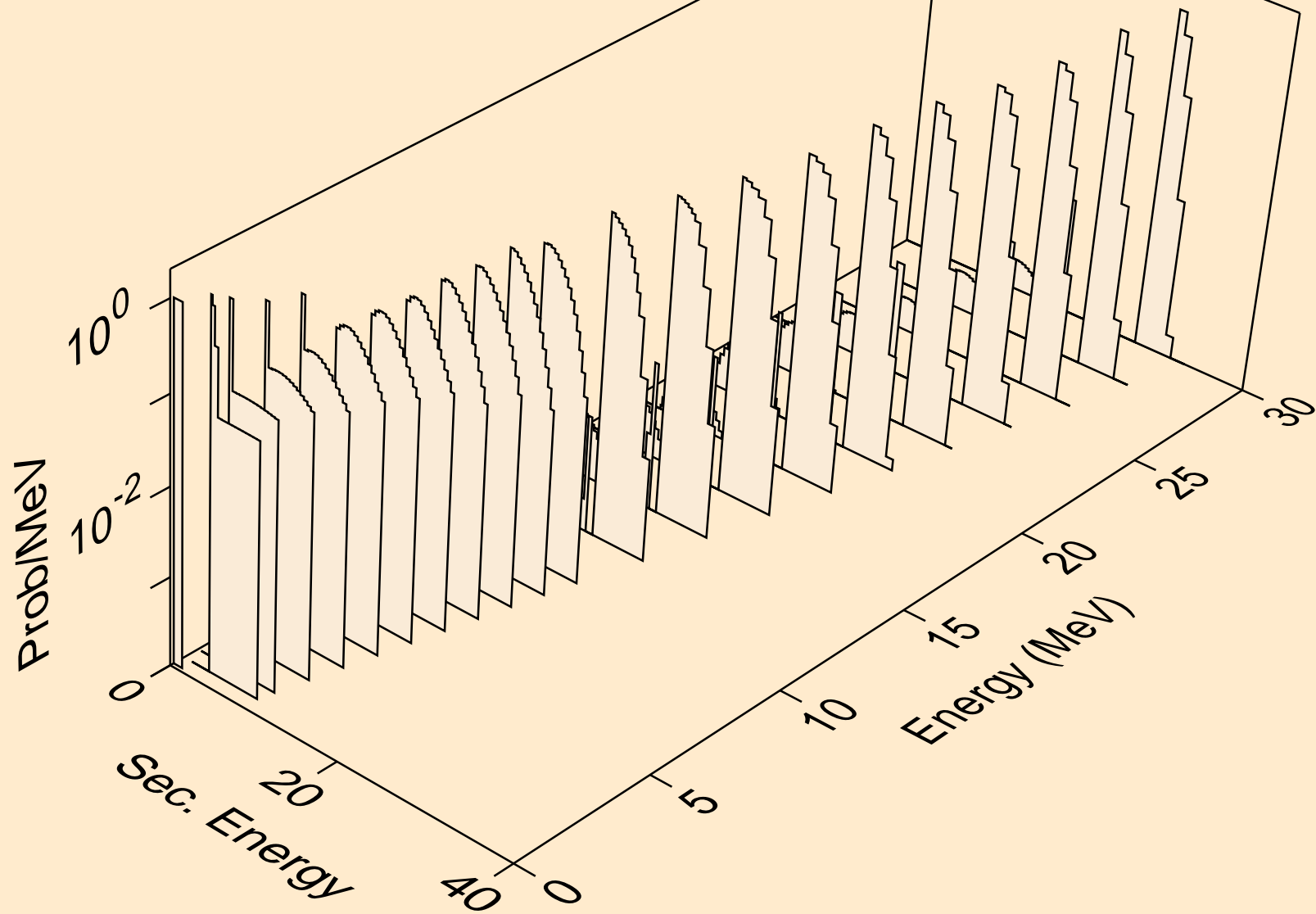
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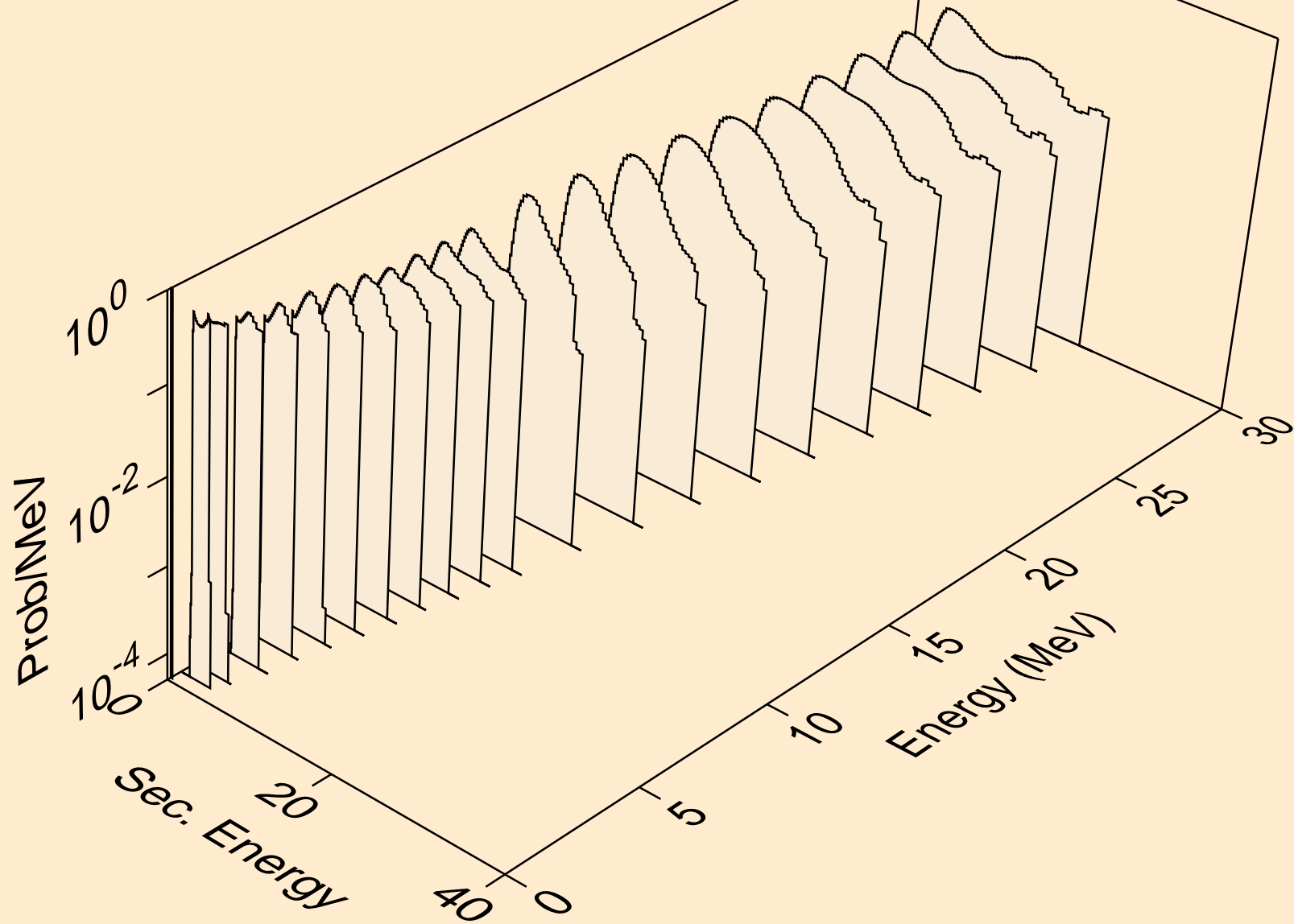
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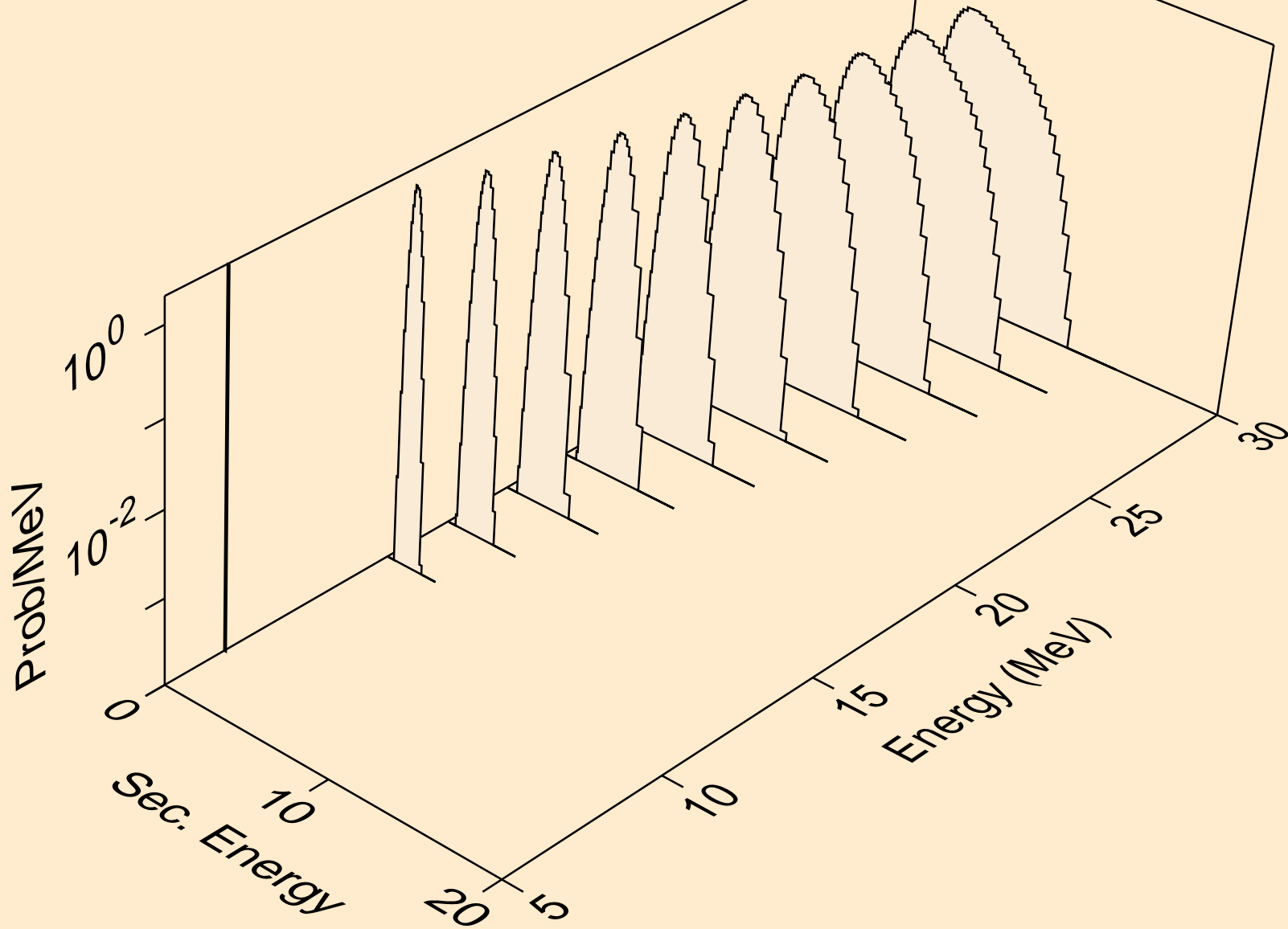
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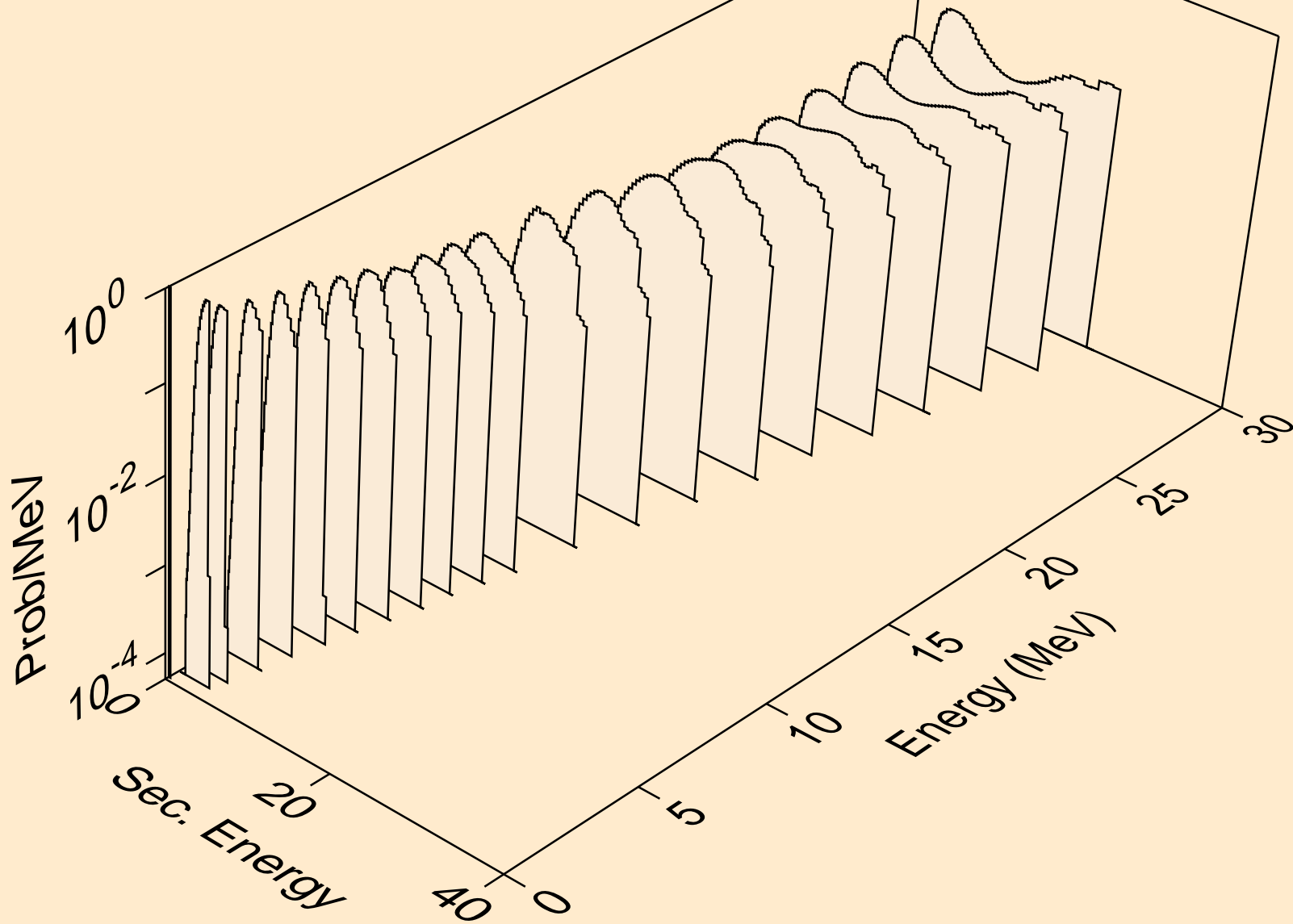
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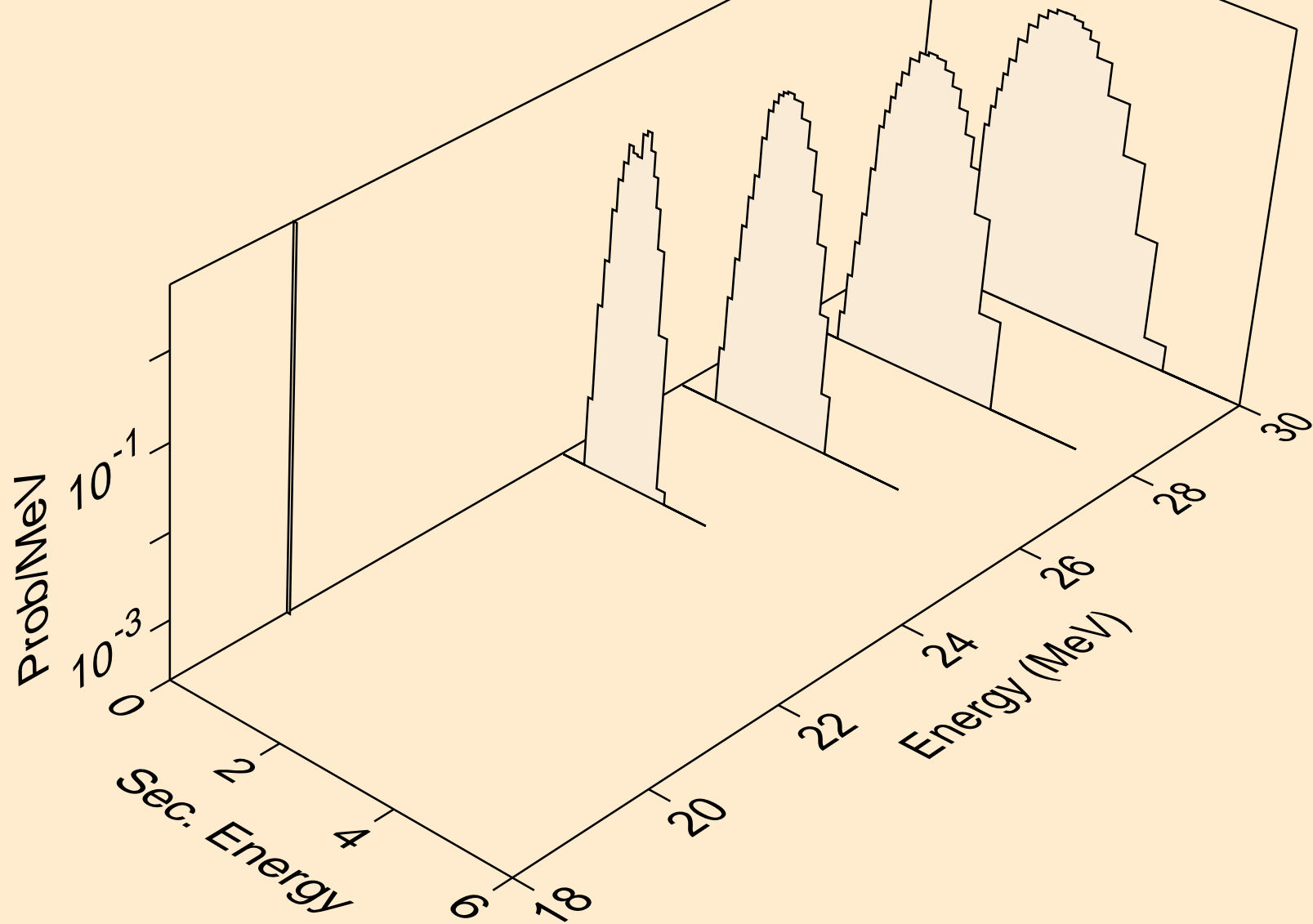
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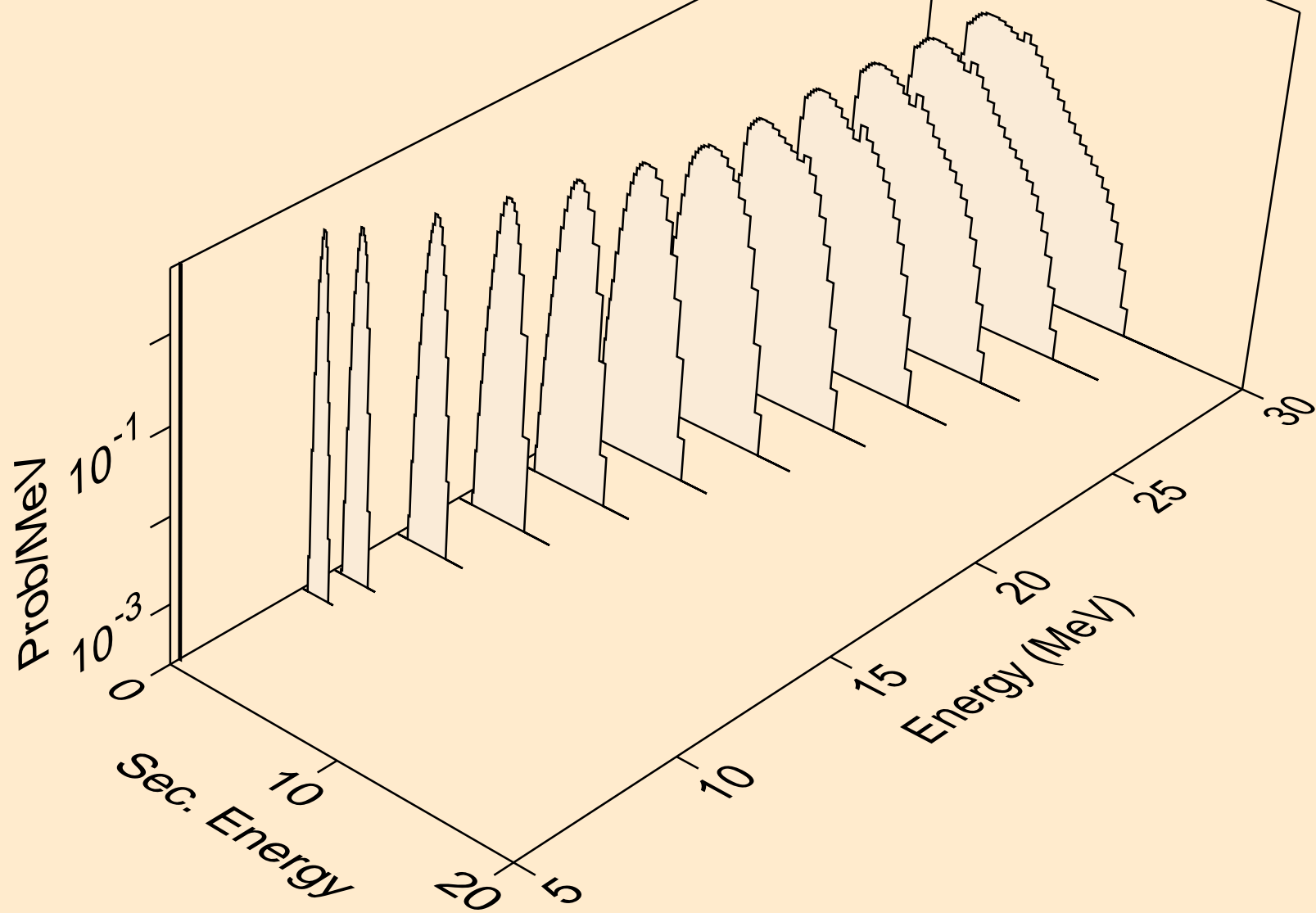
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alphas from (s,pa)



F019 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,t2a)



F019 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,d2a)



F019 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,da)

