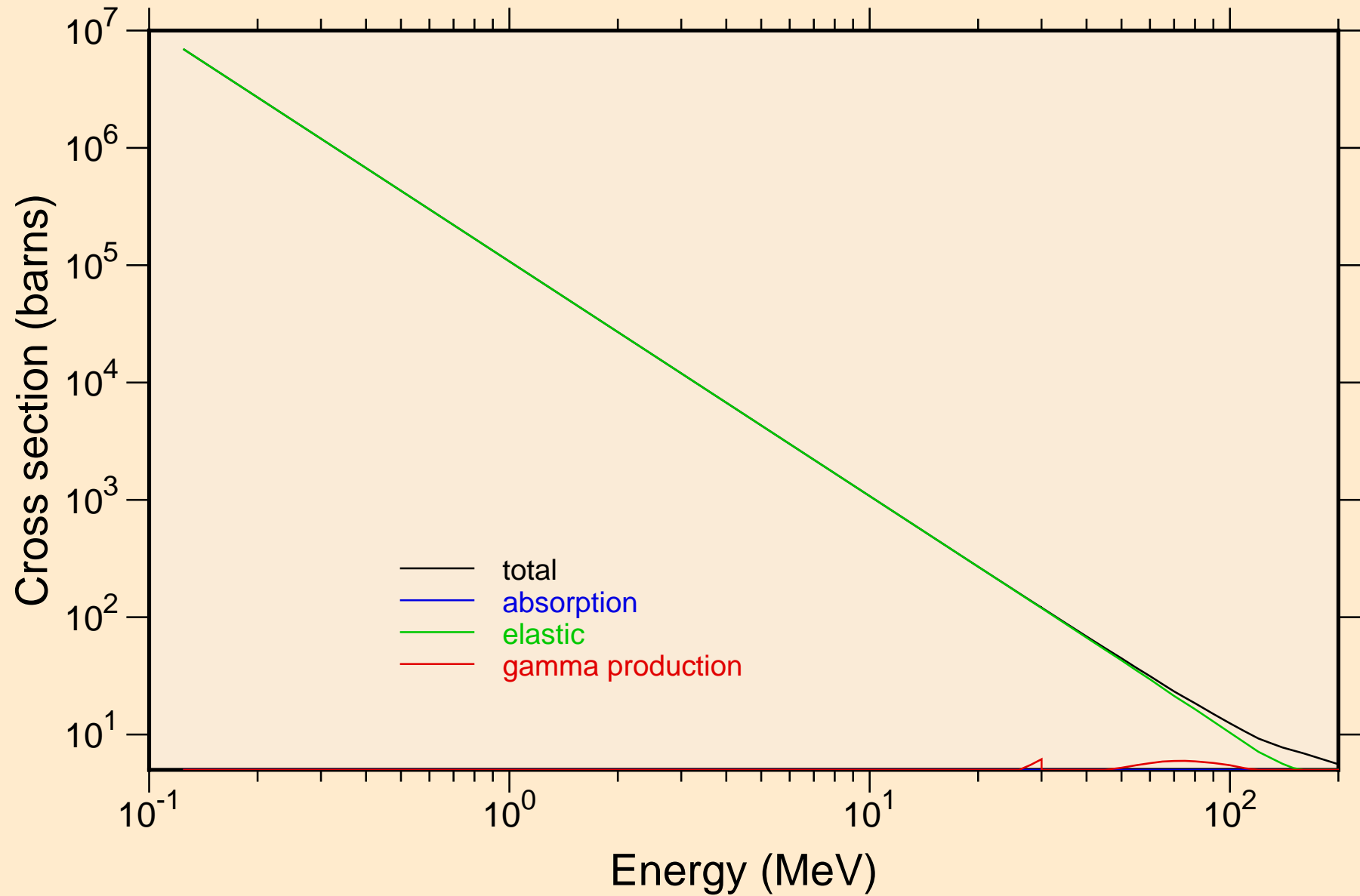


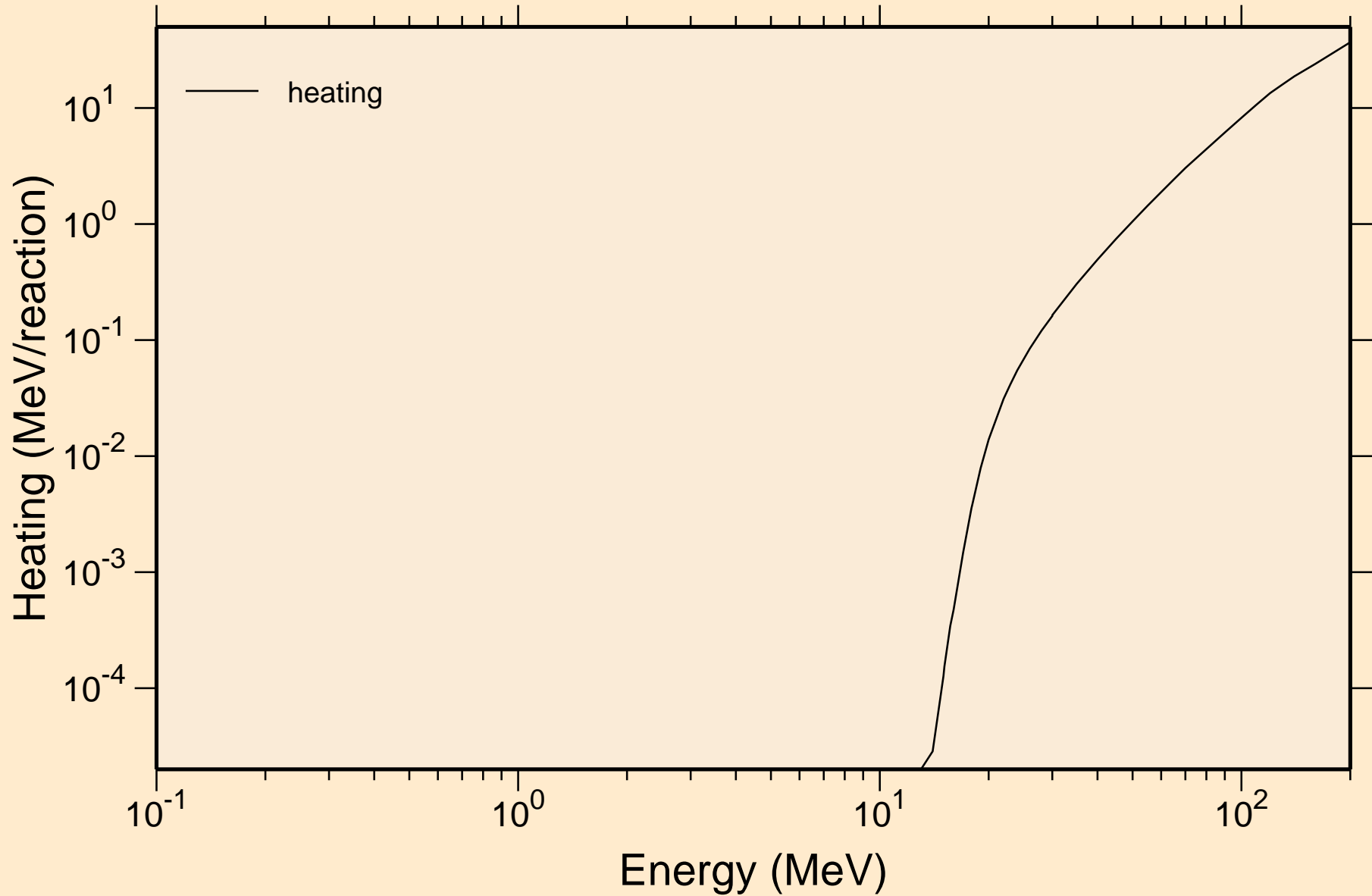
# TB154 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



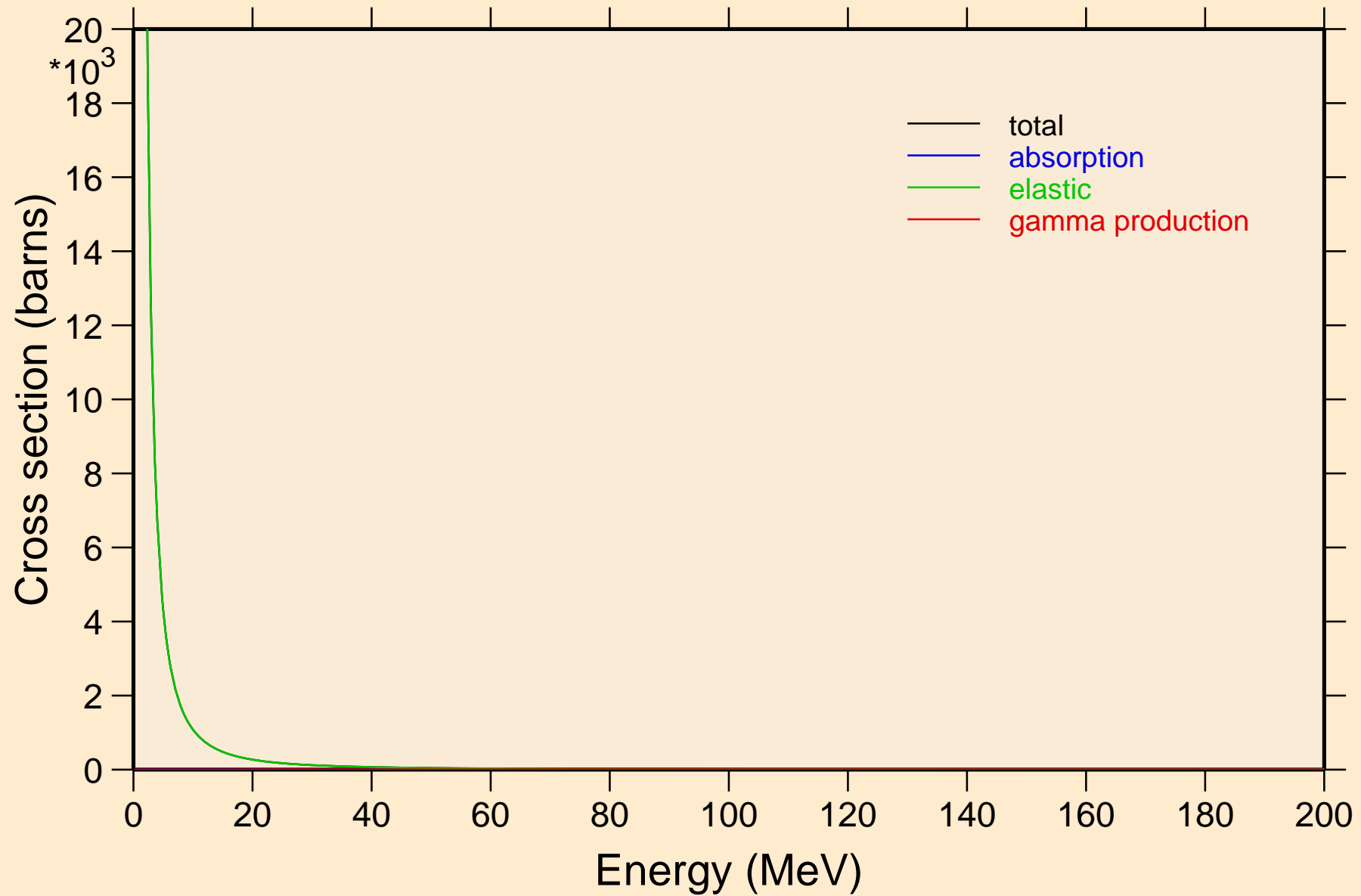
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Heating



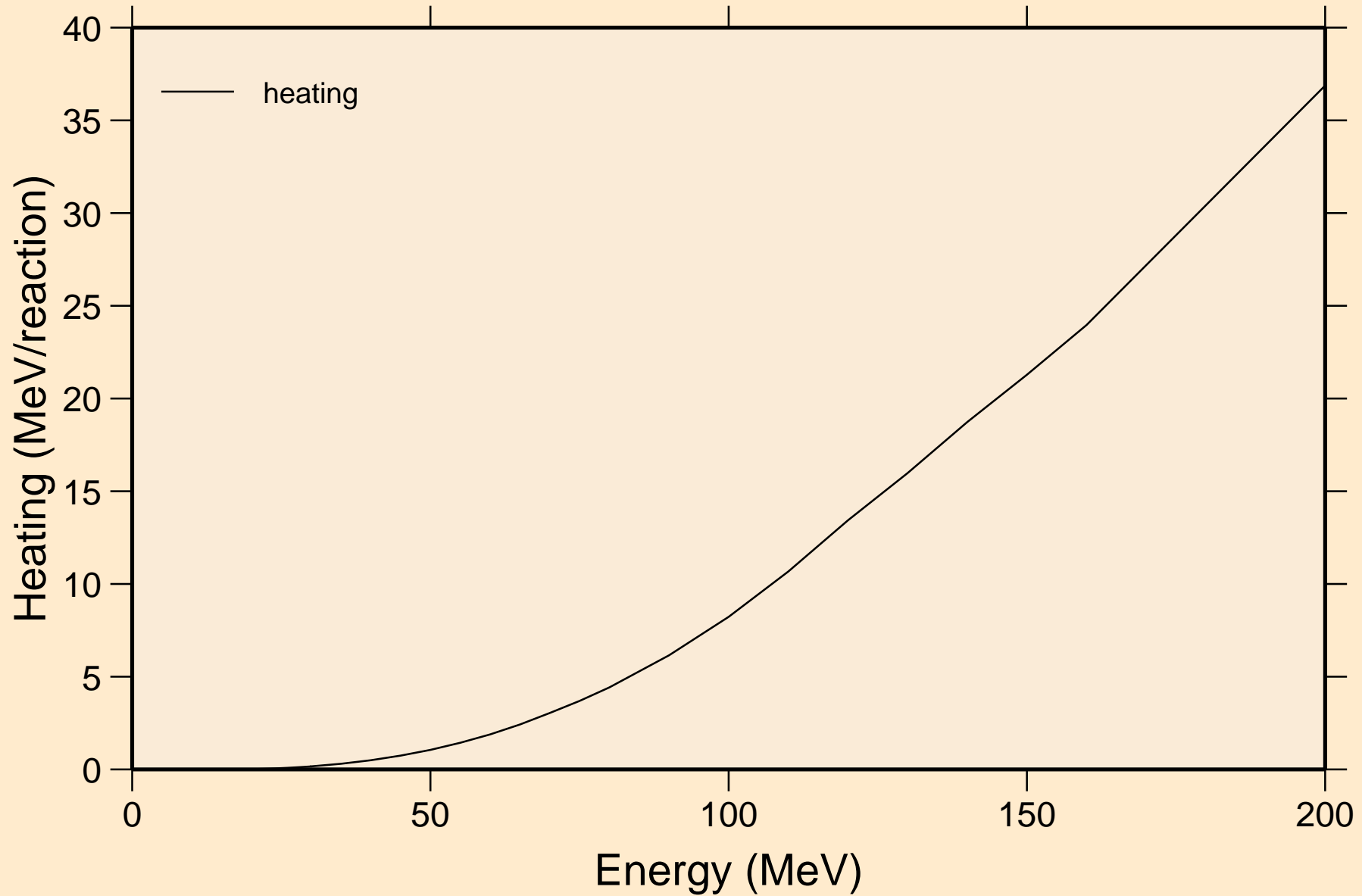
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## Principal cross sections

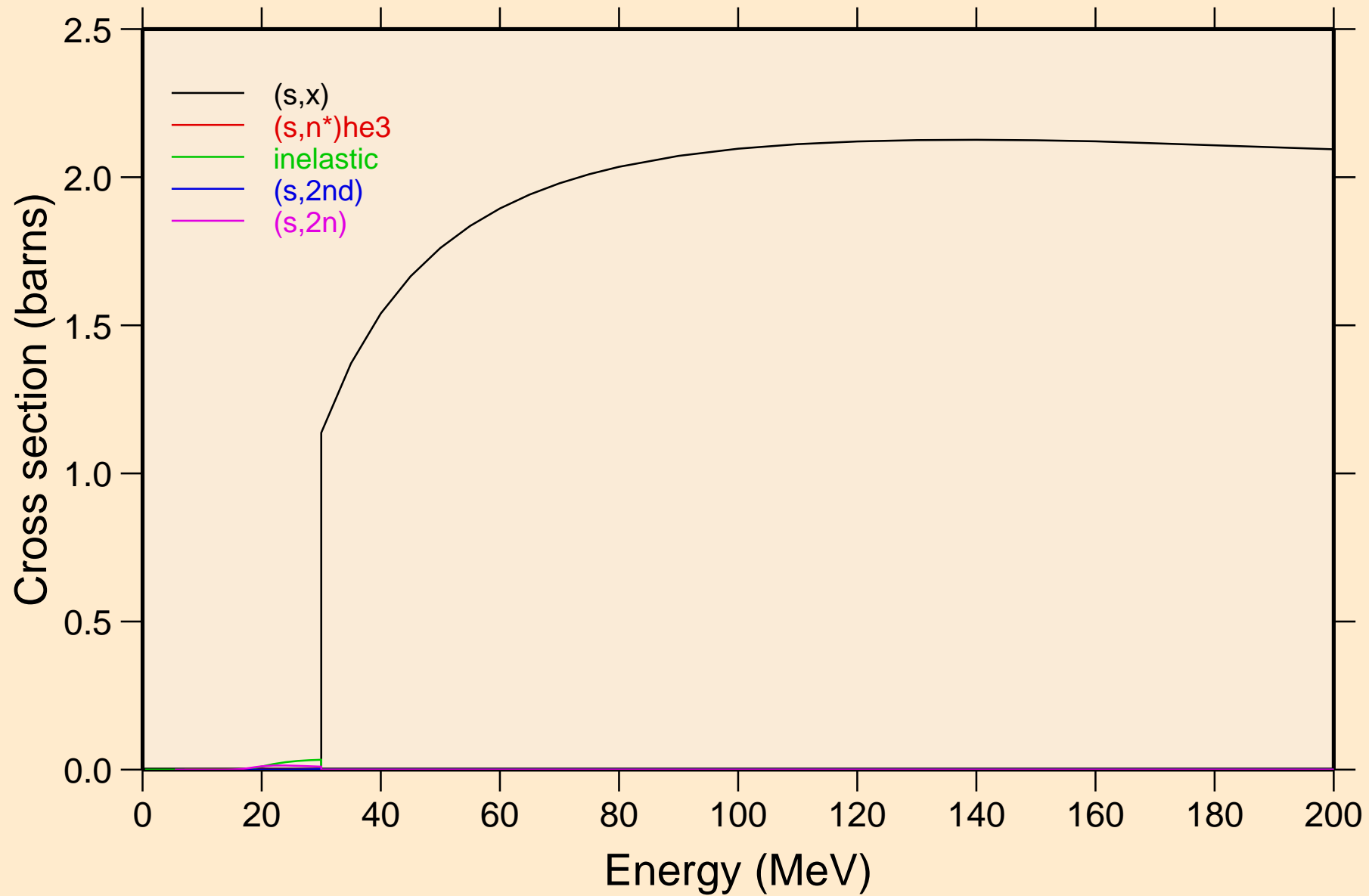


TB154 HELION ACER TENDL-2024 LIBRARY; T=0.K

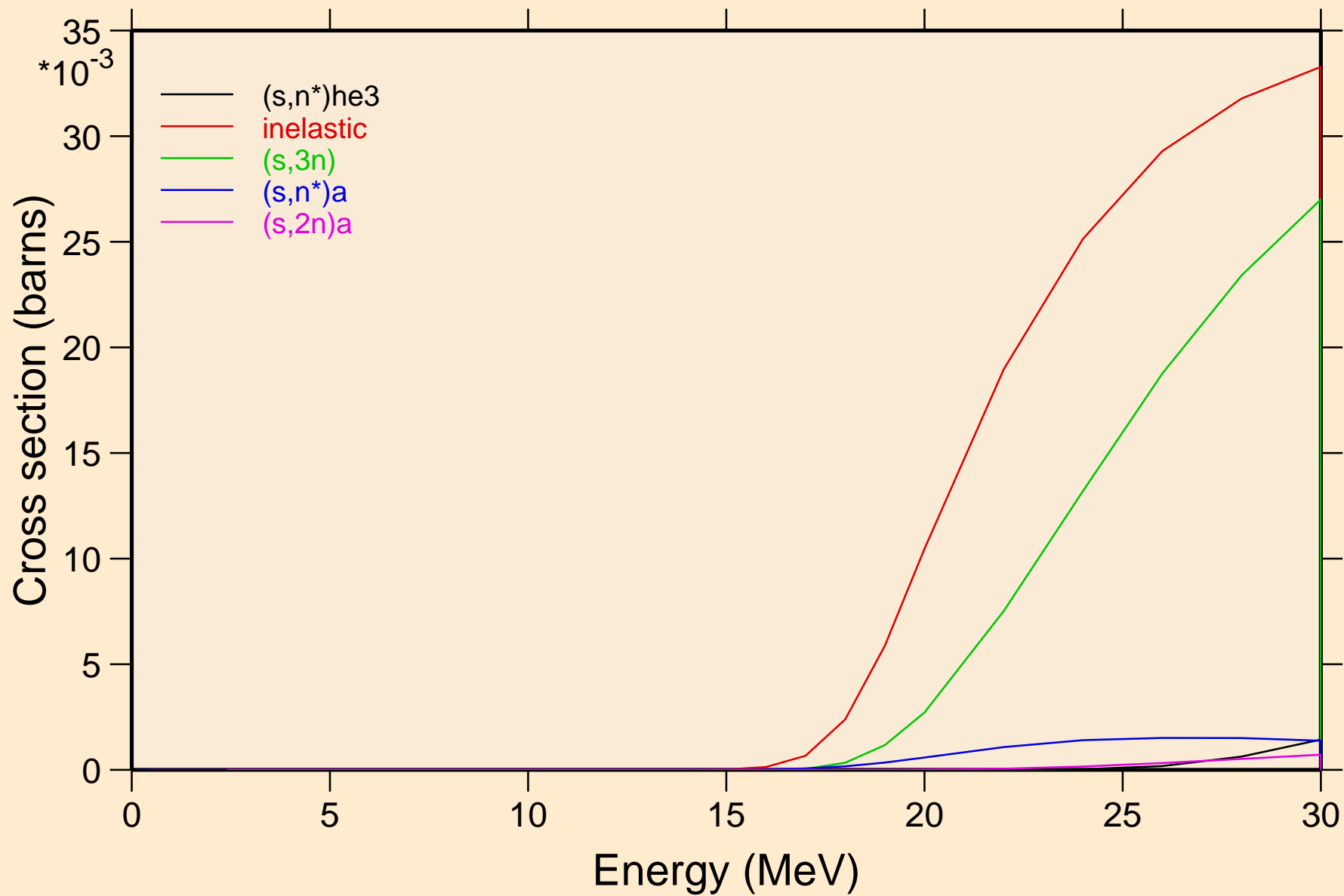
Heating



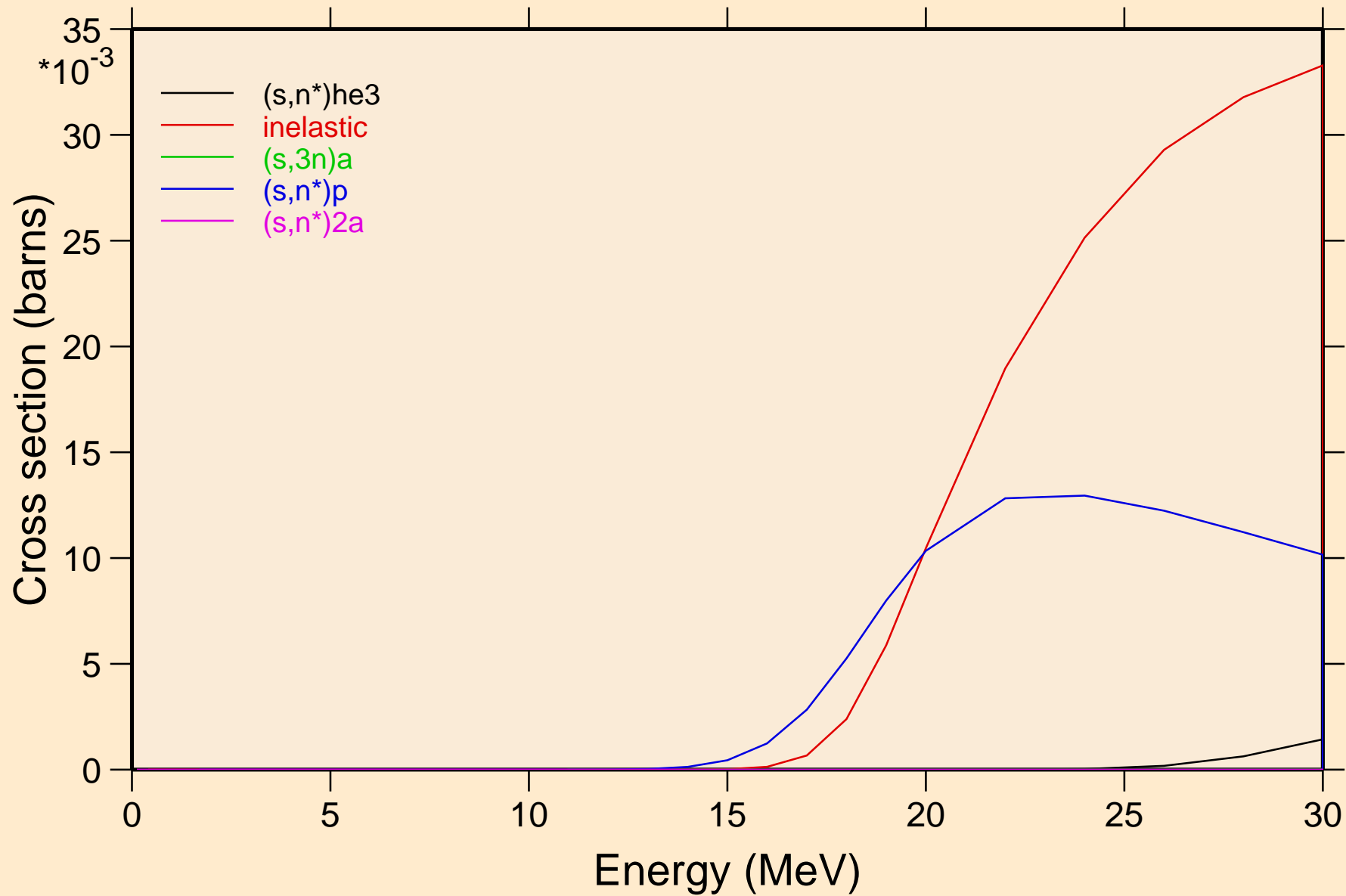
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Threshold reactions



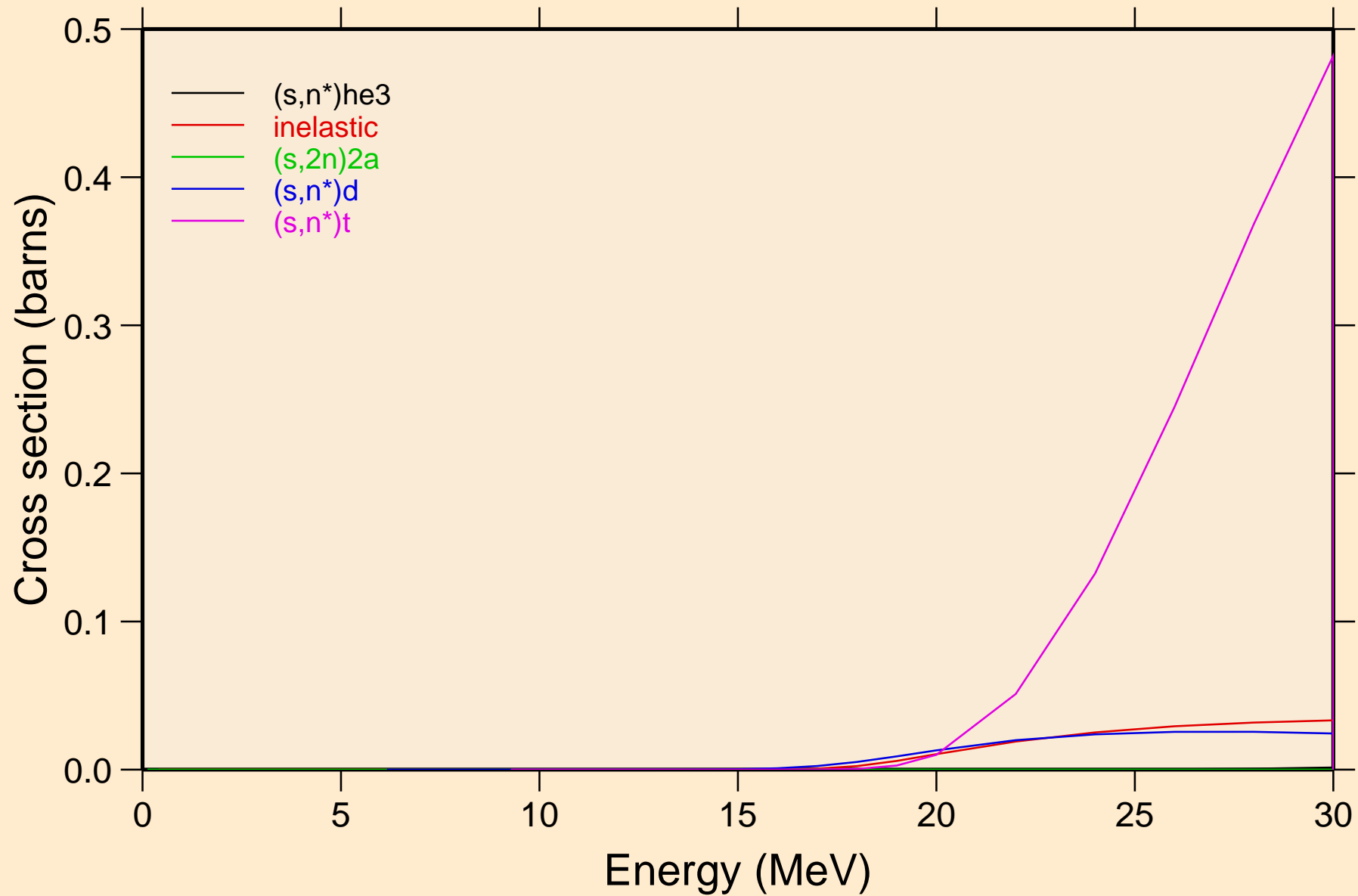
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Threshold reactions



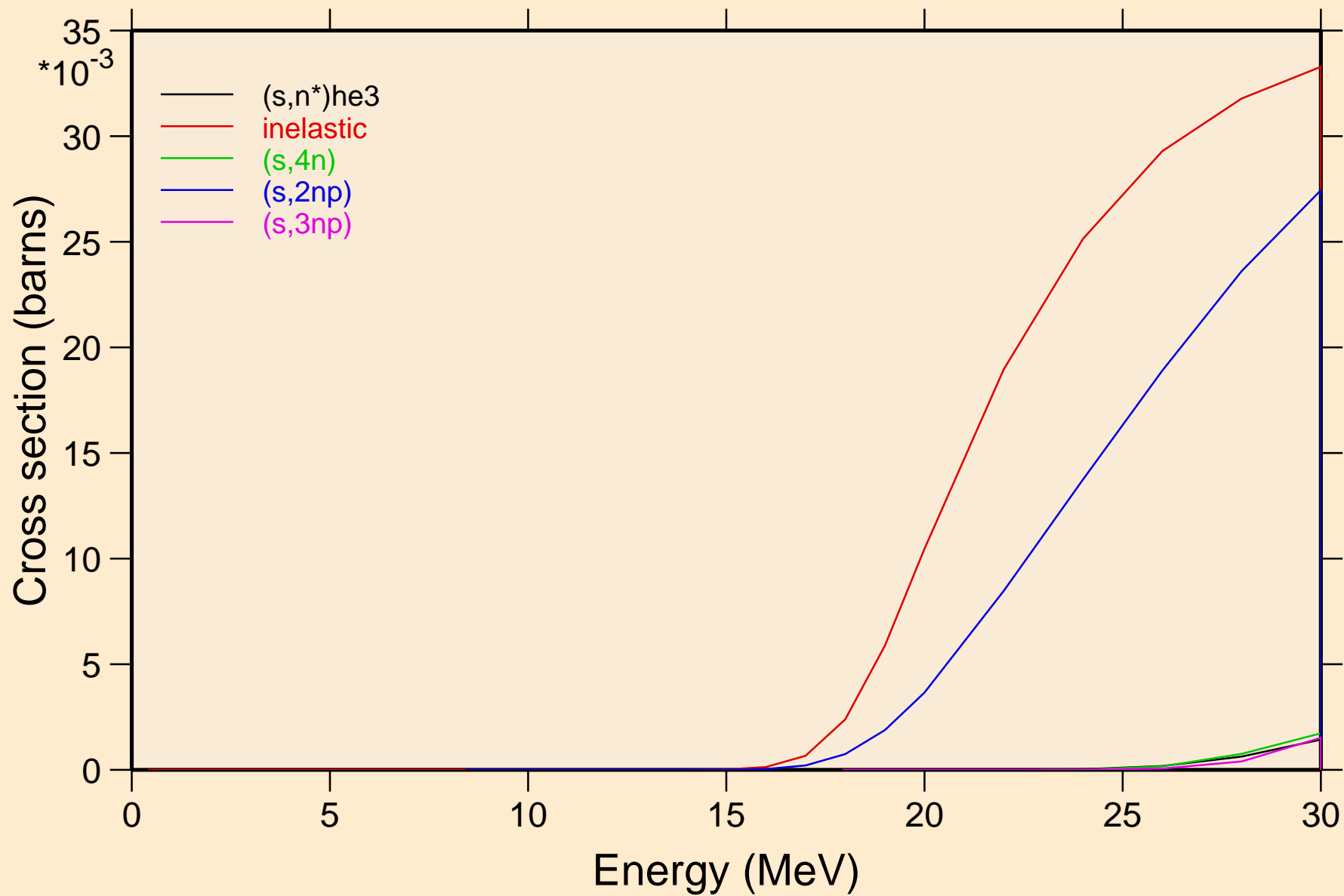
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Threshold reactions



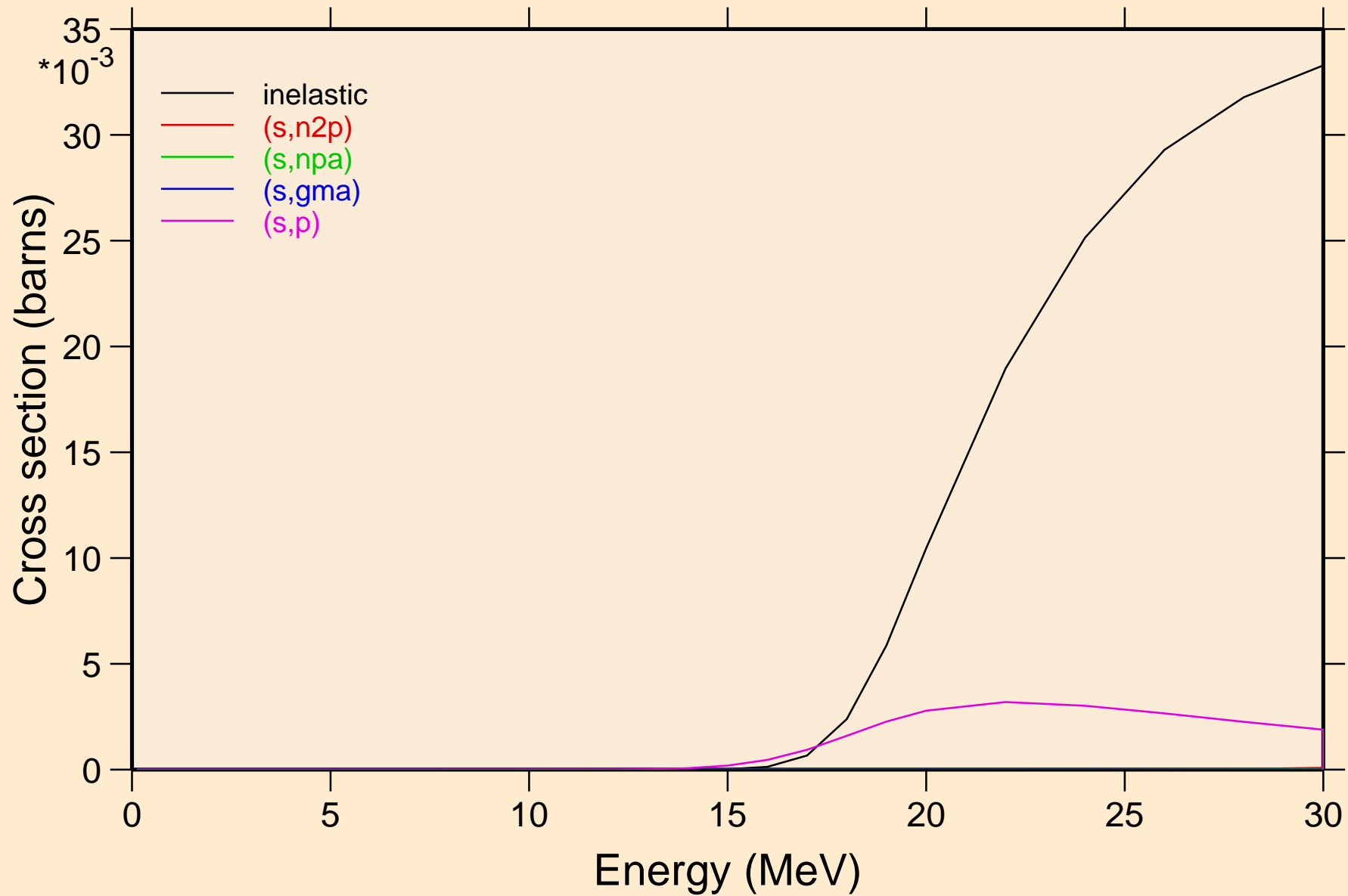
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Threshold reactions



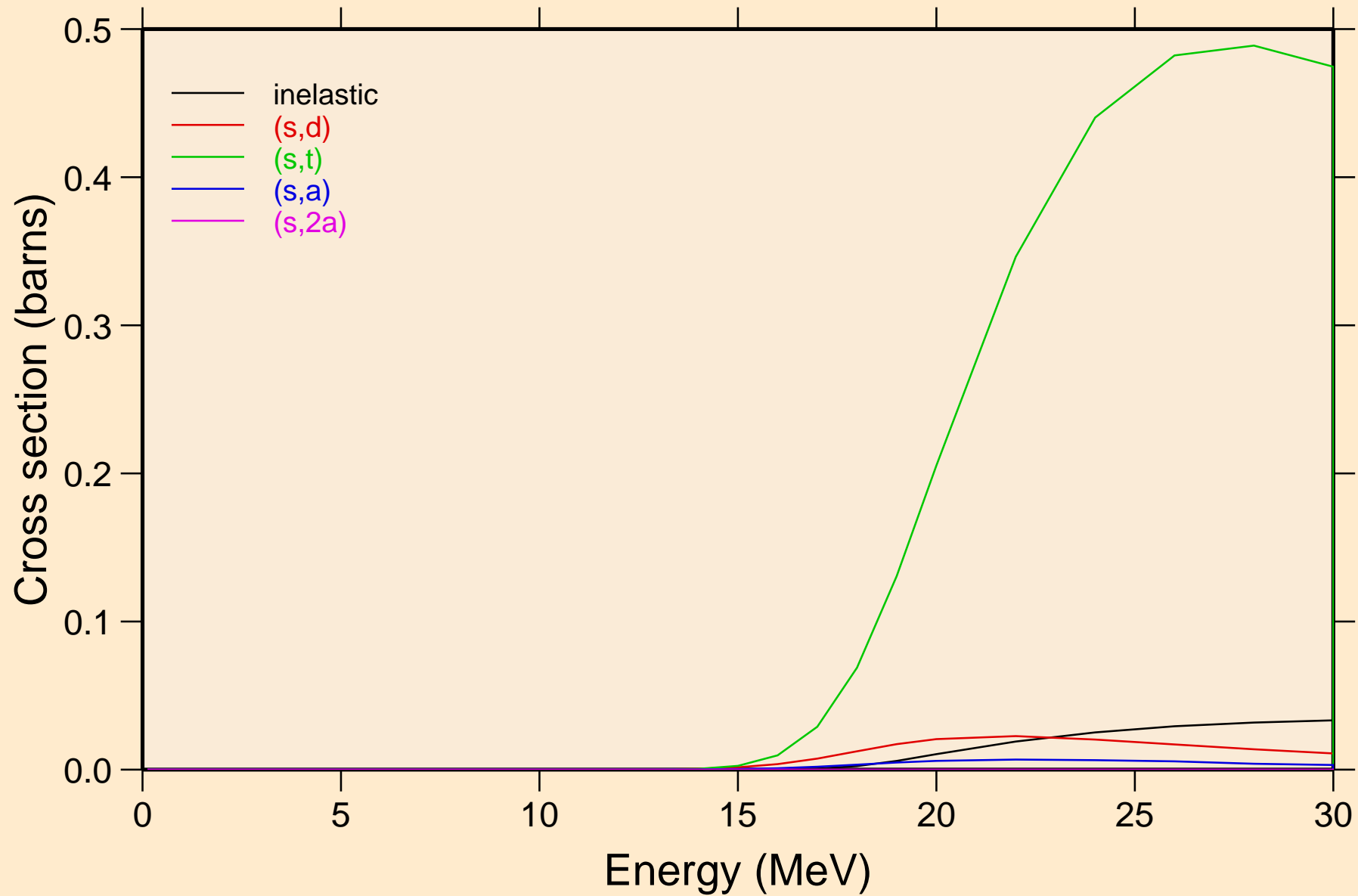
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Threshold reactions



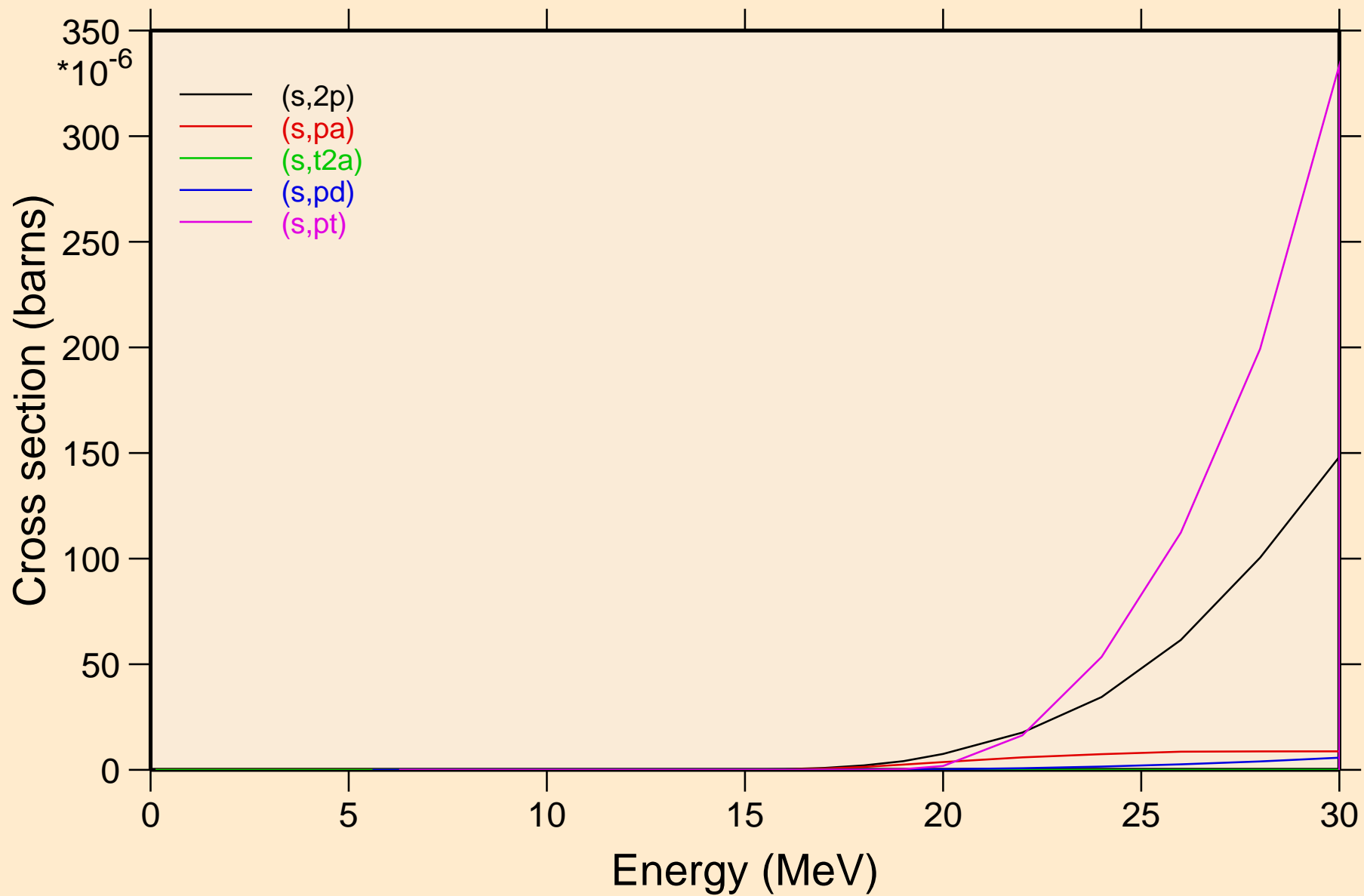
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Threshold reactions



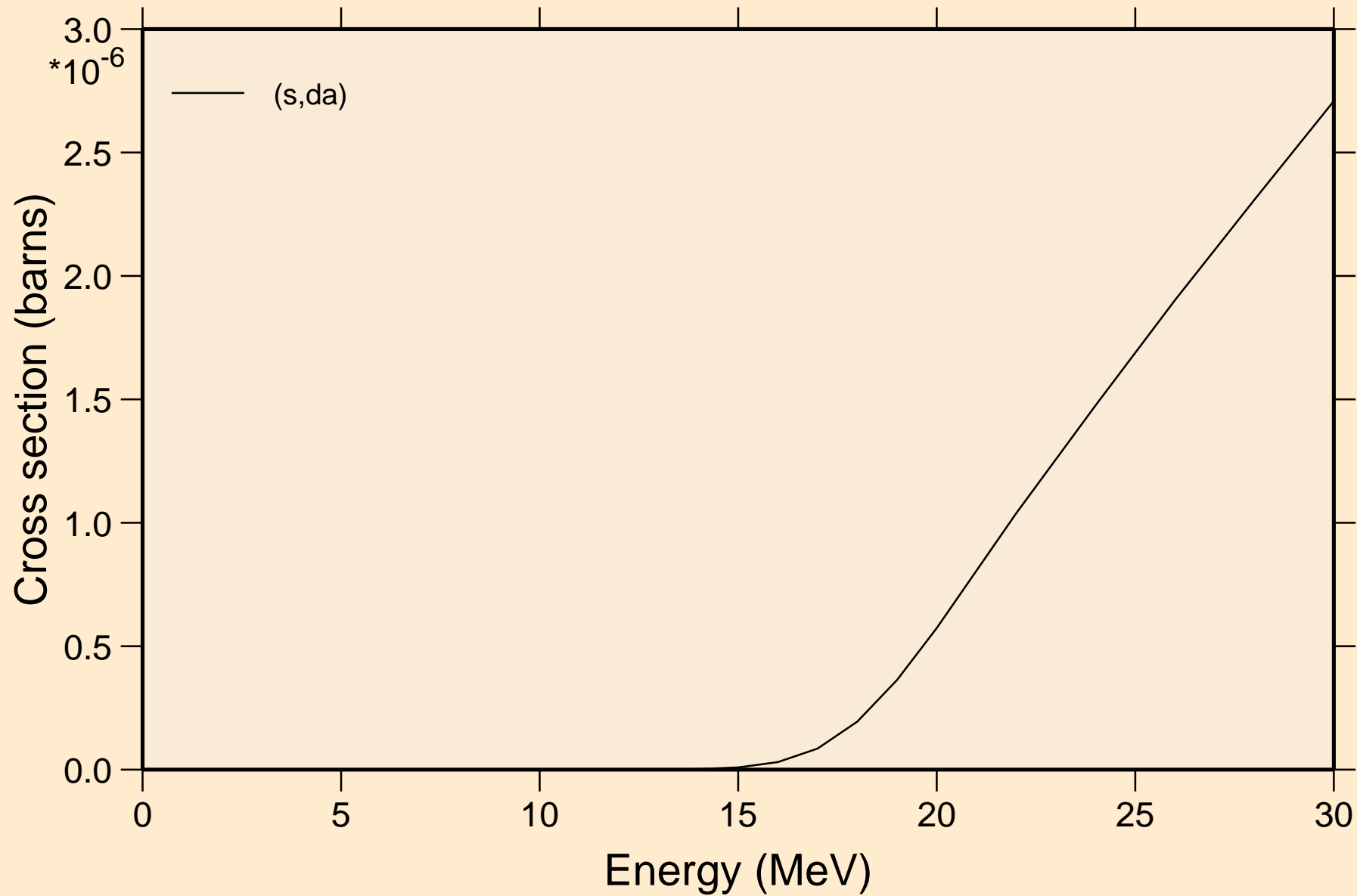
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Threshold reactions



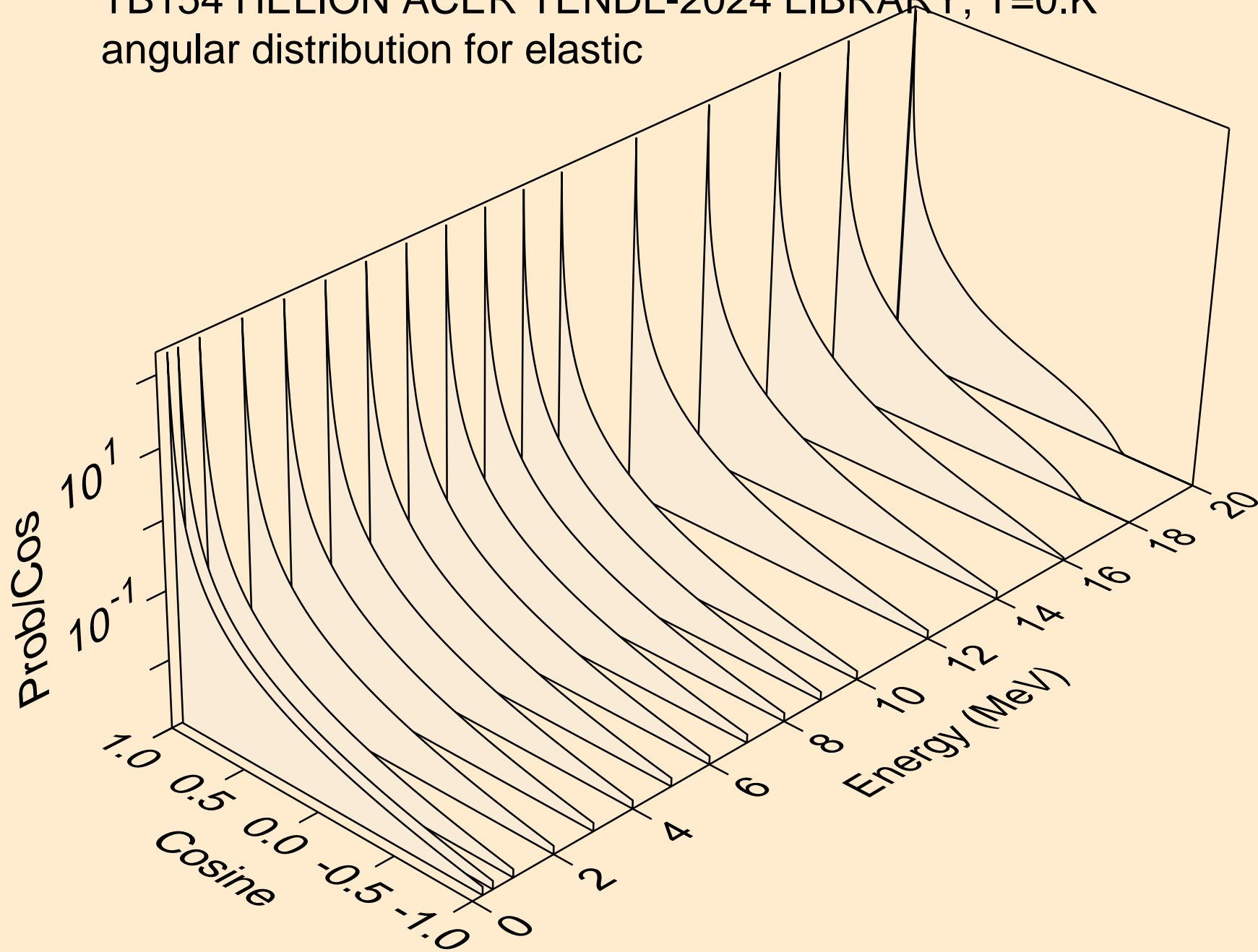
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Threshold reactions



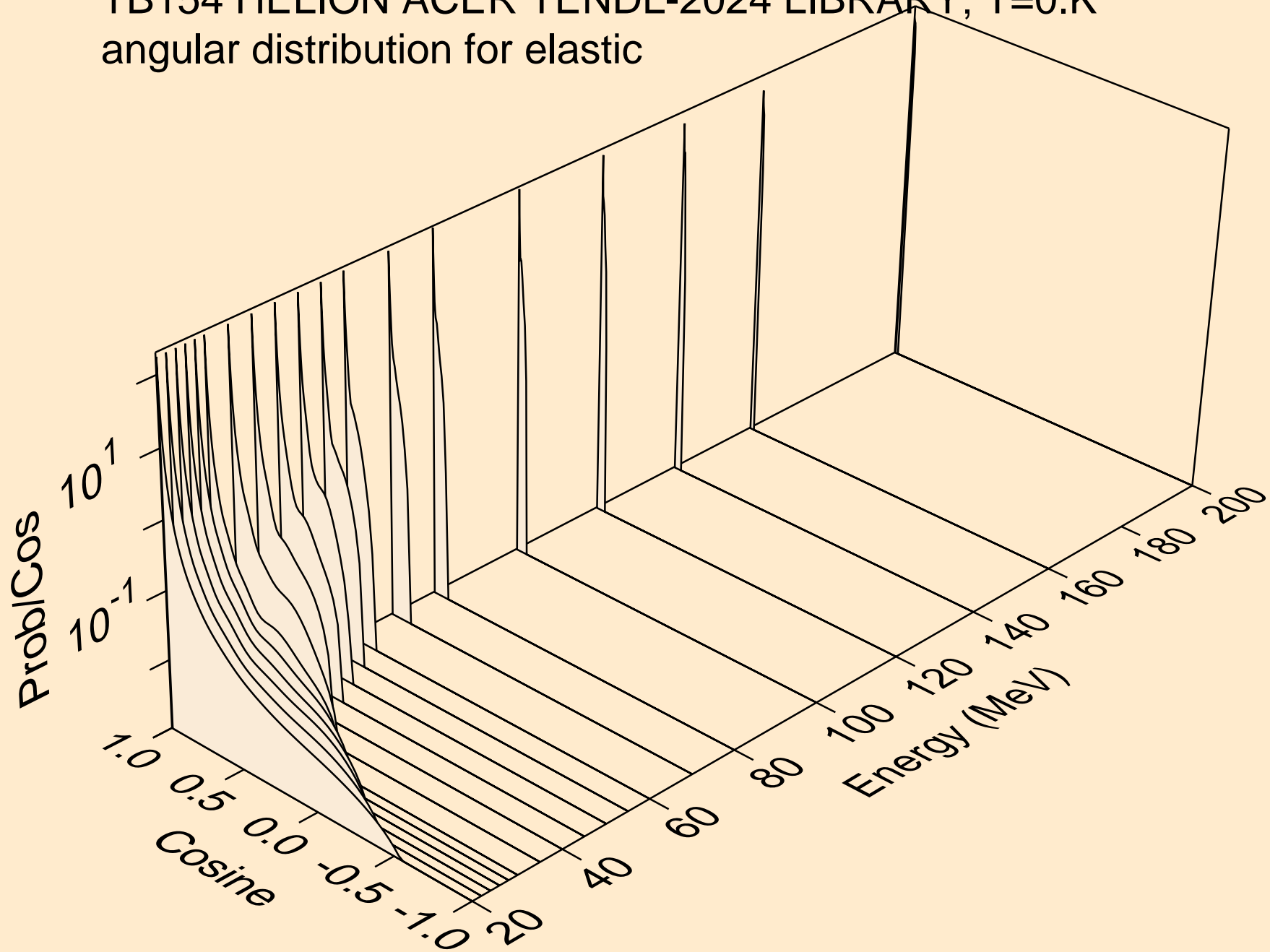
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Threshold reactions



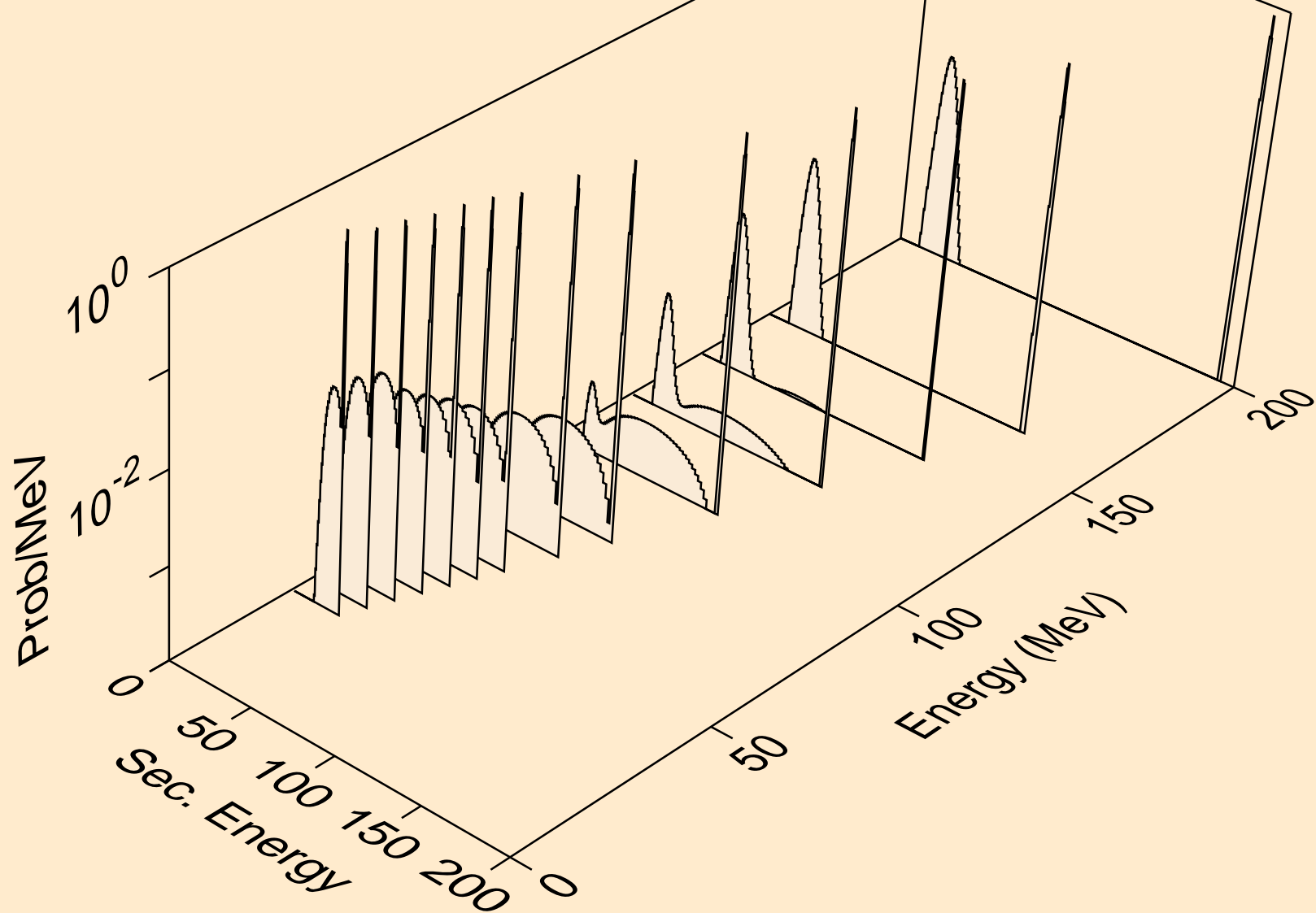
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angular distribution for elastic



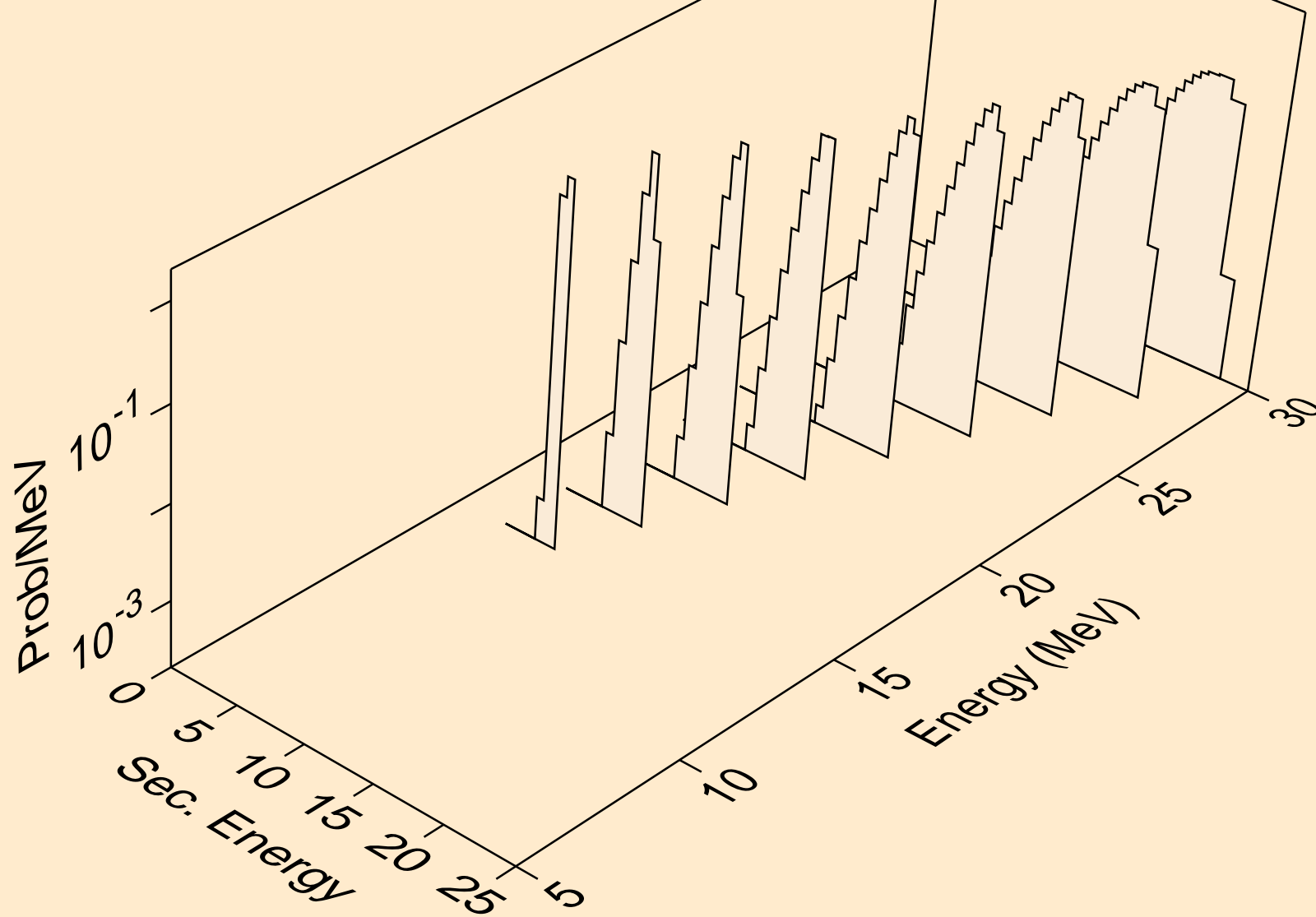
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angular distribution for elastic



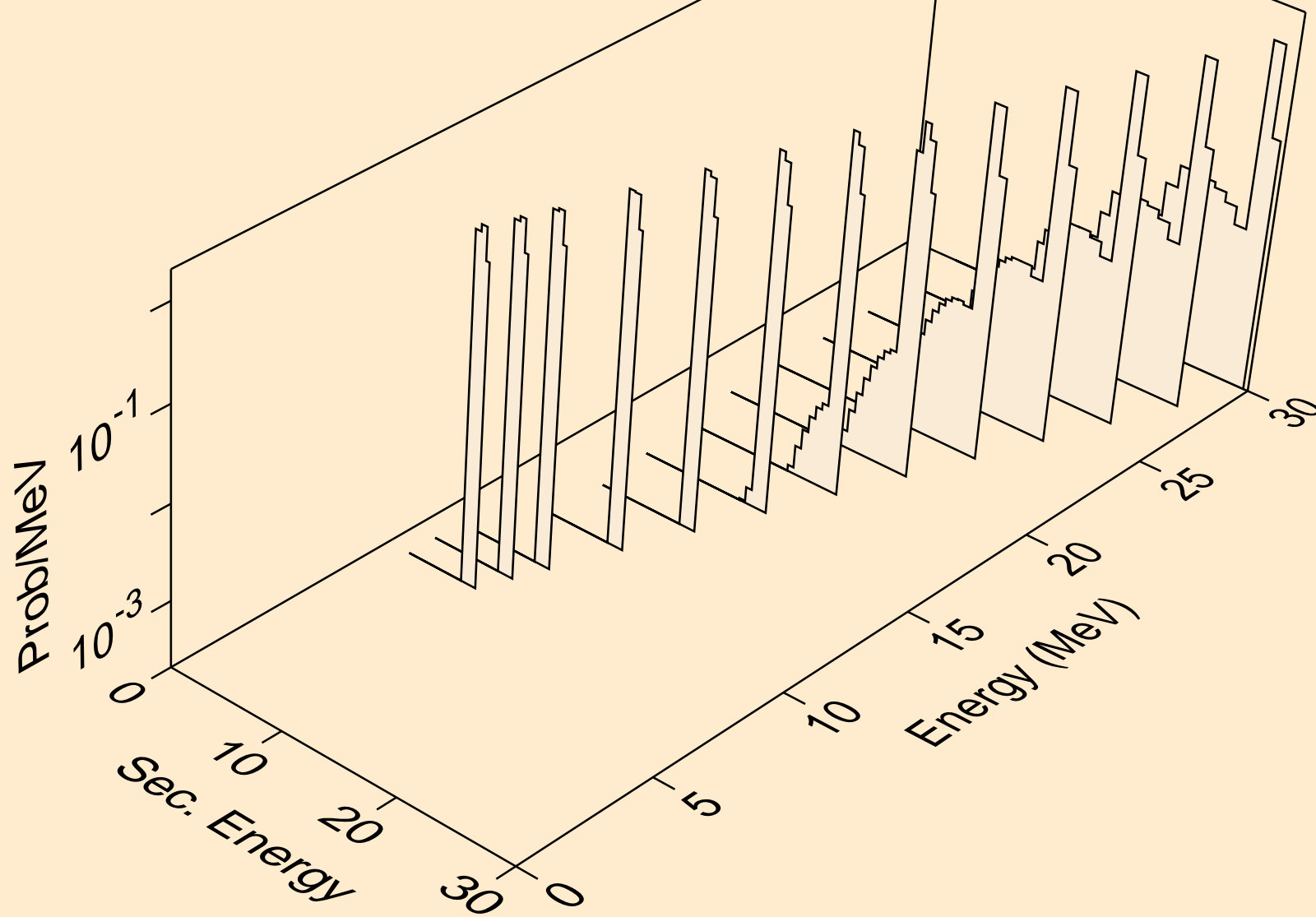
TB154 HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for (s,x)



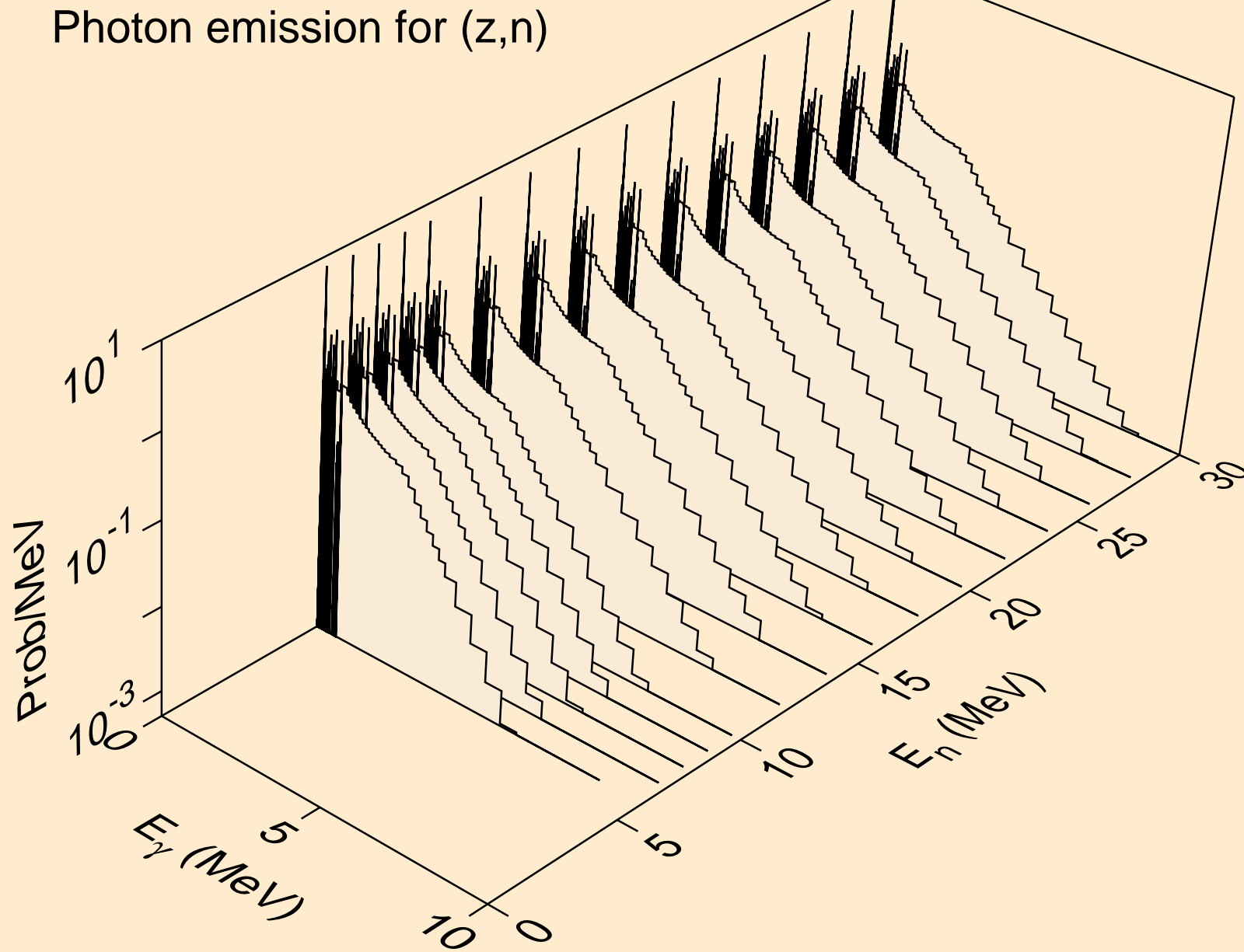
TB154 HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3



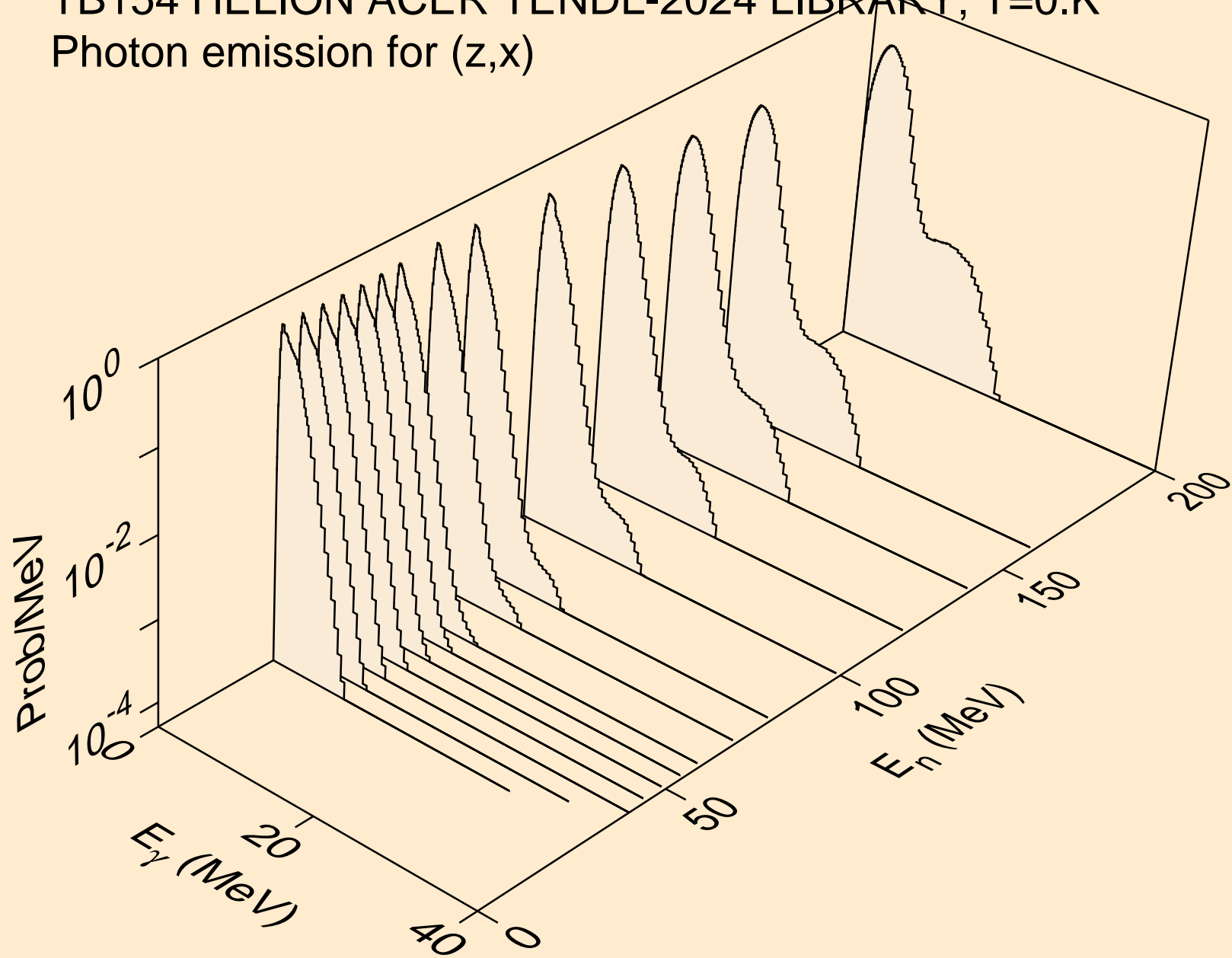
TB154 HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for inelastic



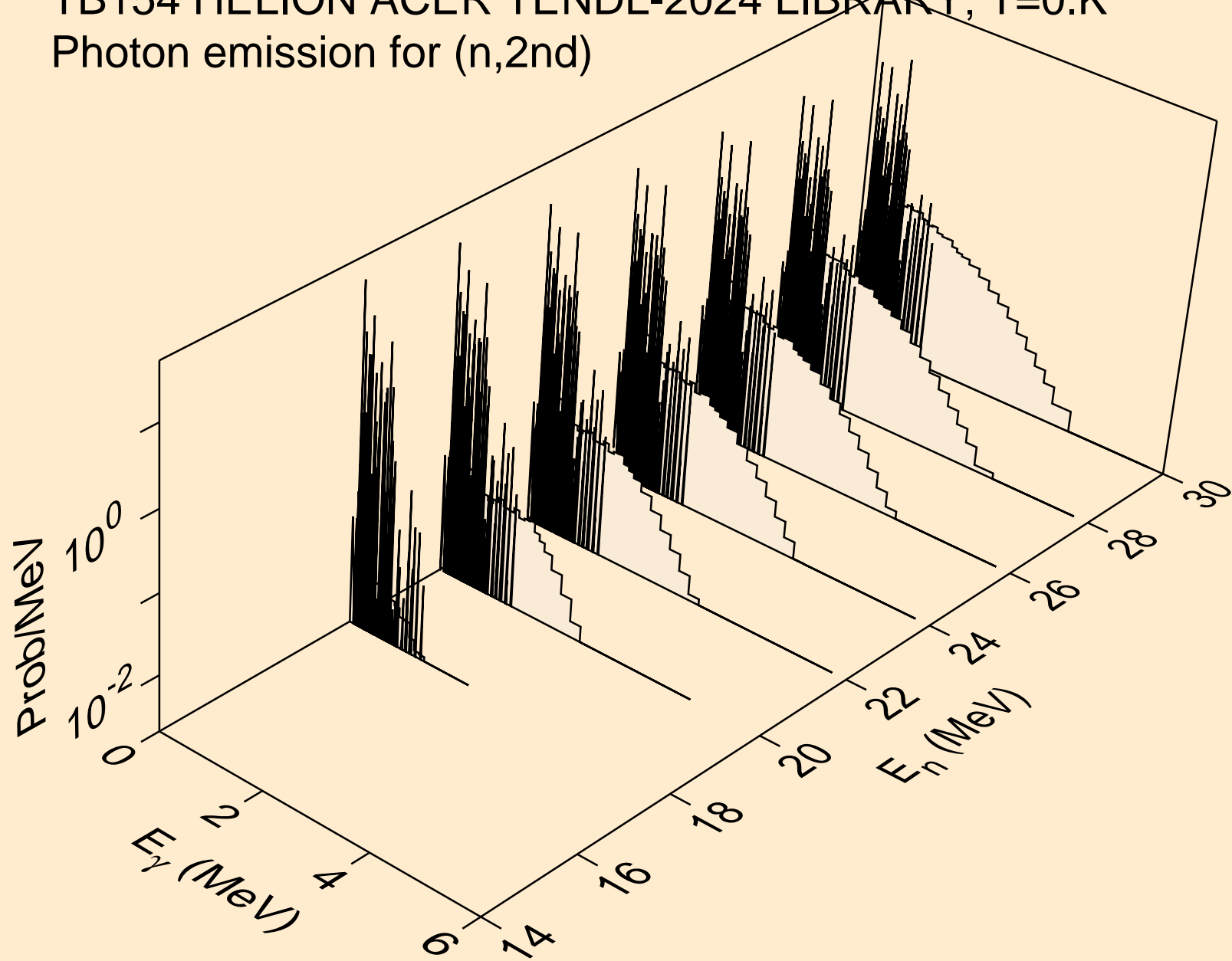
TB154 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,n)



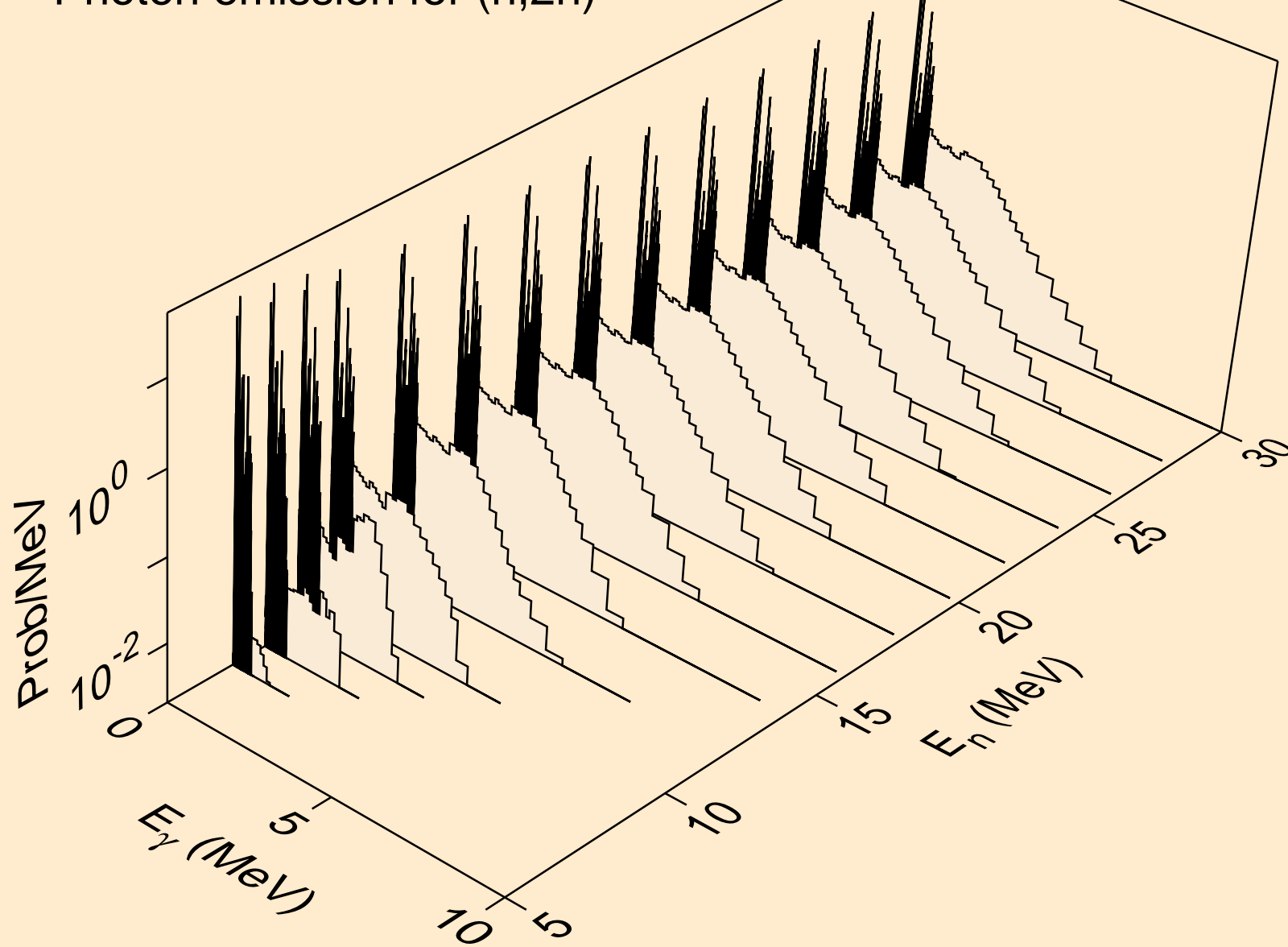
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Photon emission for (z,x)



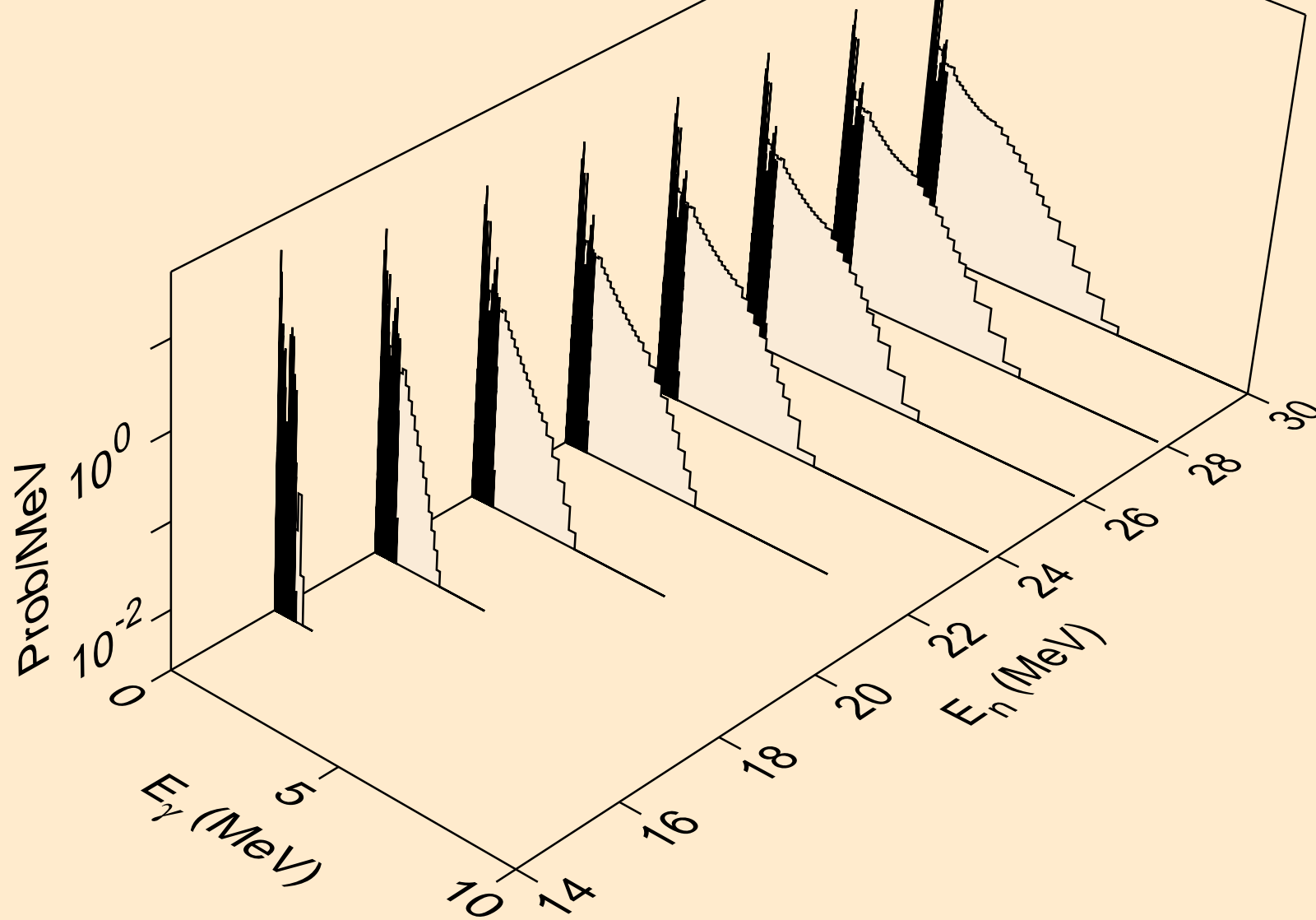
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Photon emission for (n,2nd)



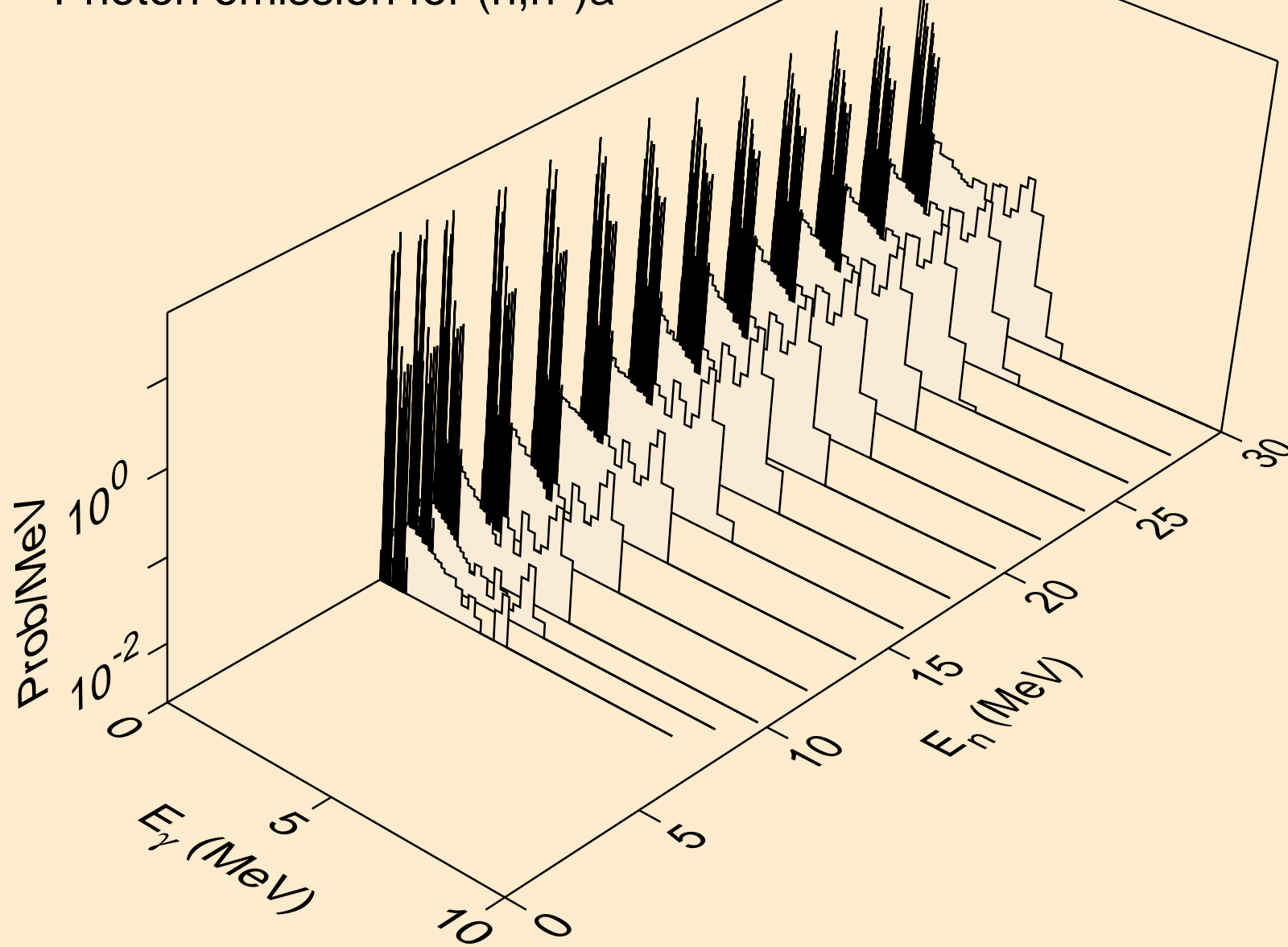
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Photon emission for (n,2n)



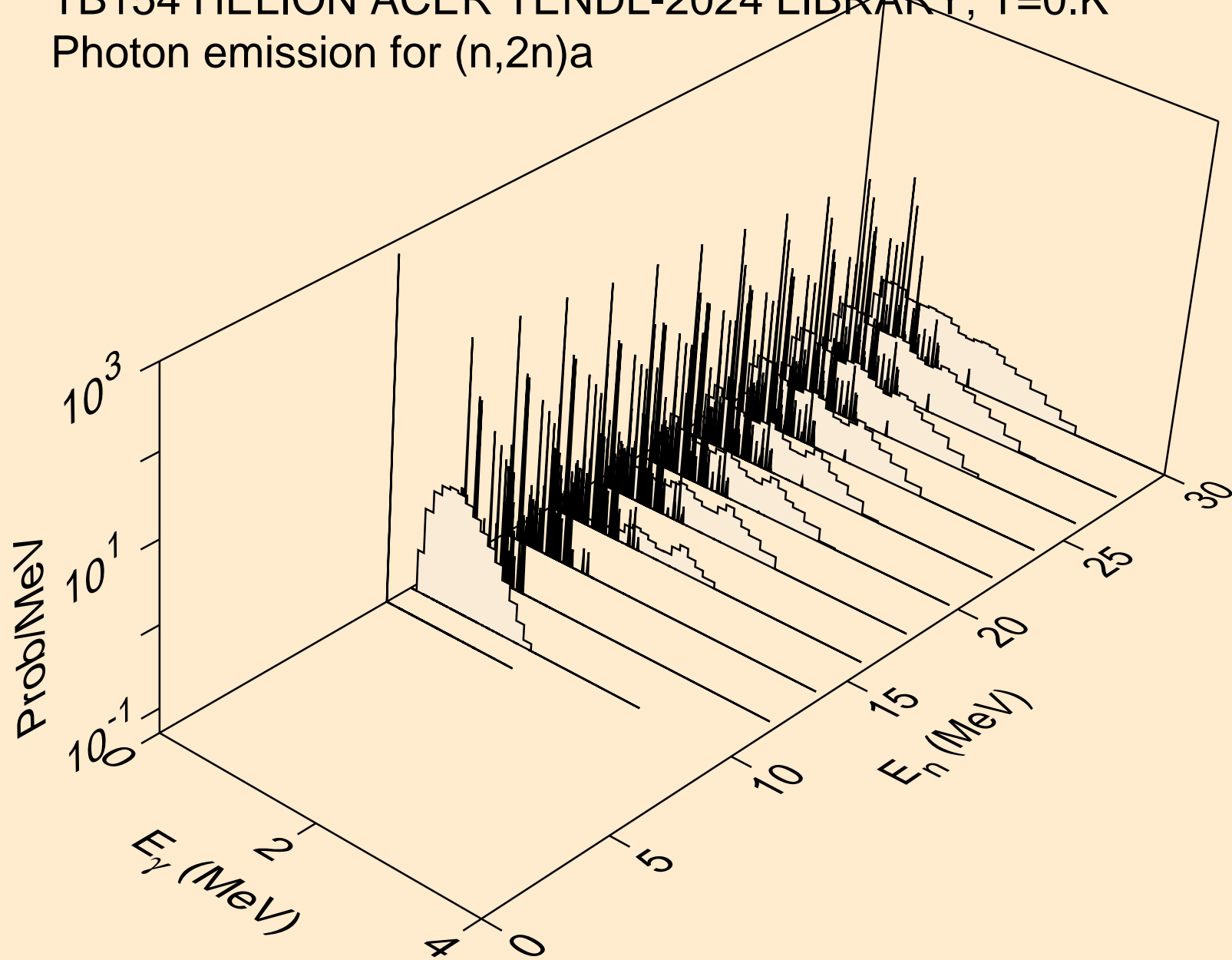
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Photon emission for (n,3n)



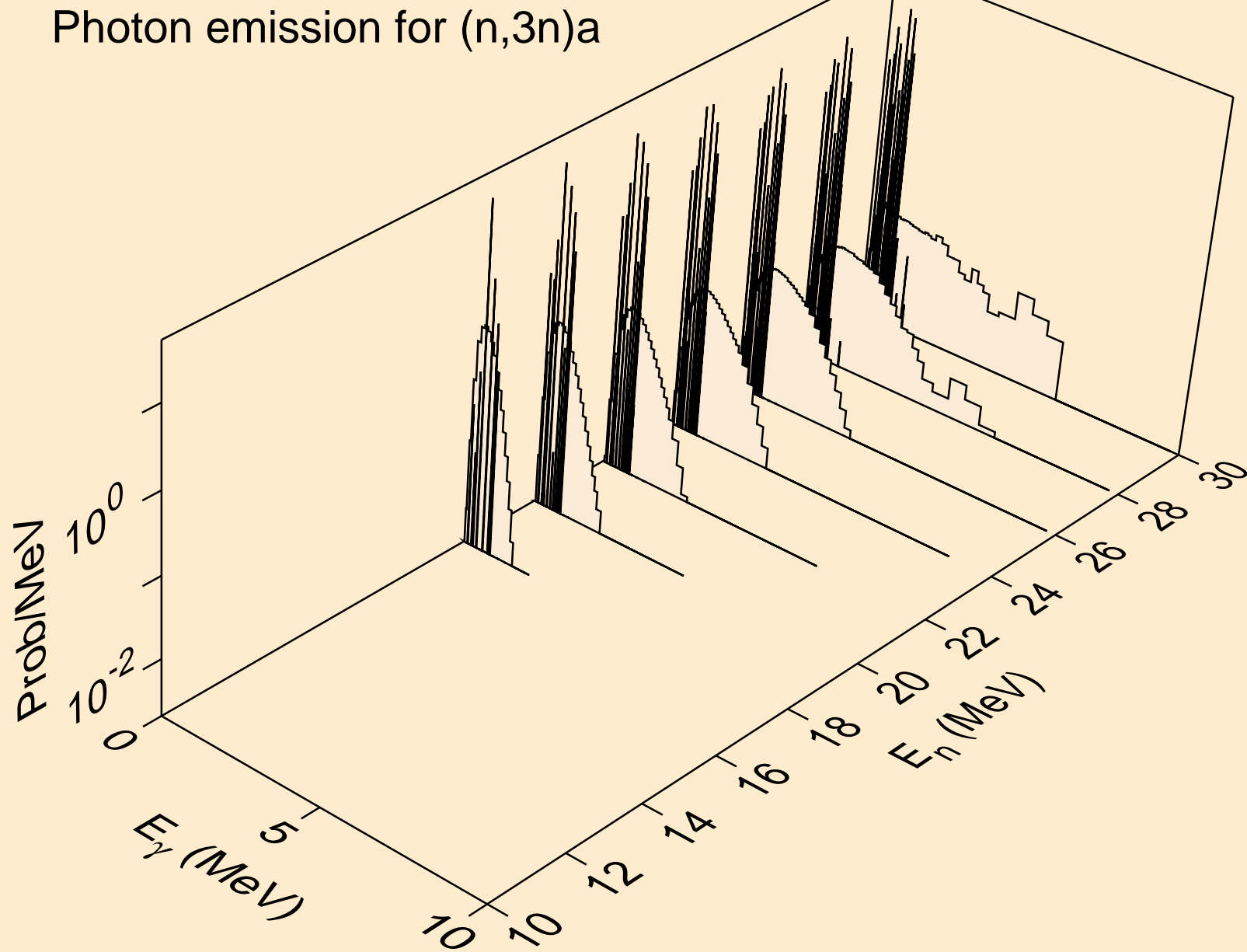
TB154 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



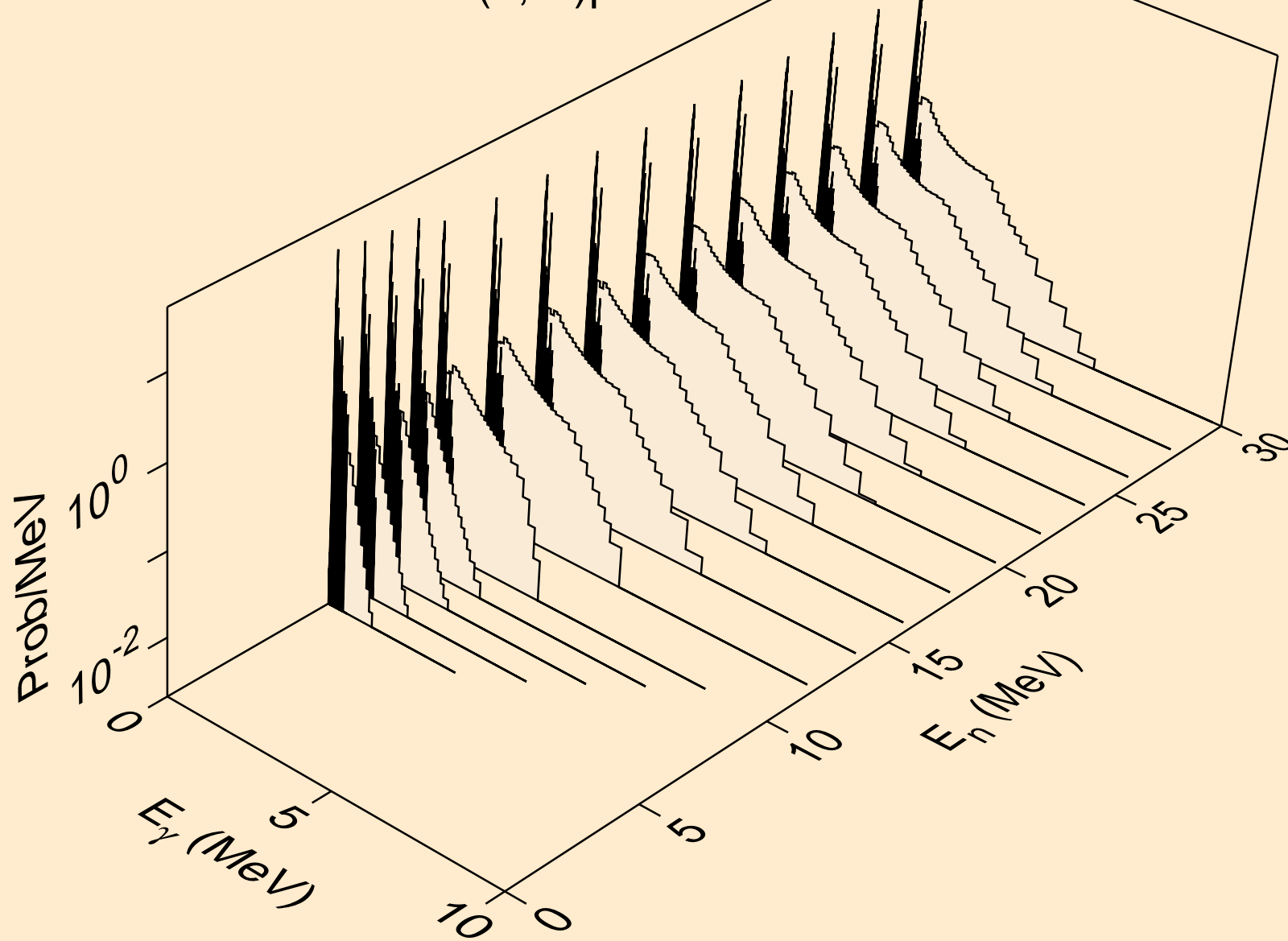
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Photon emission for (n,2n)a



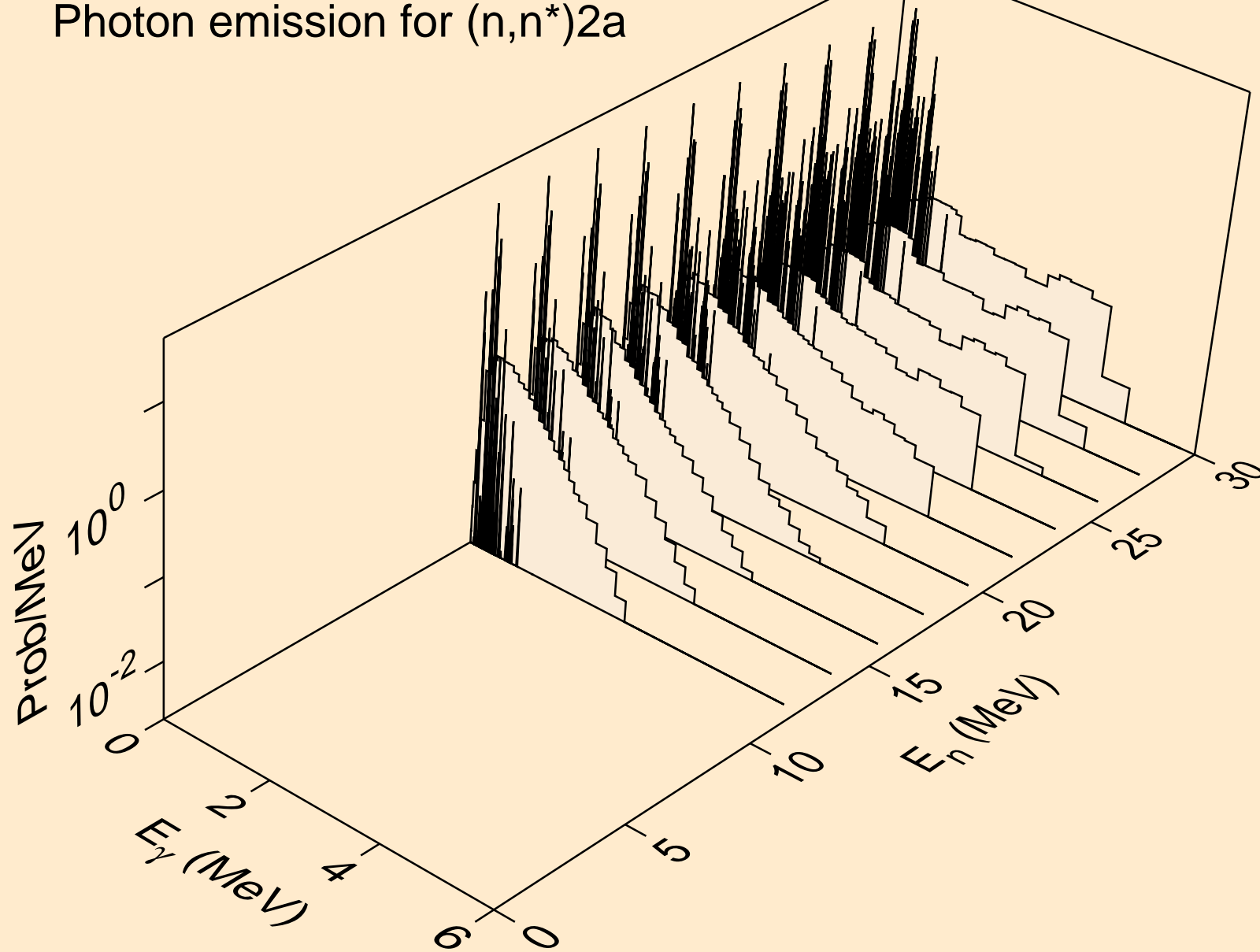
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Photon emission for (n,3n)a



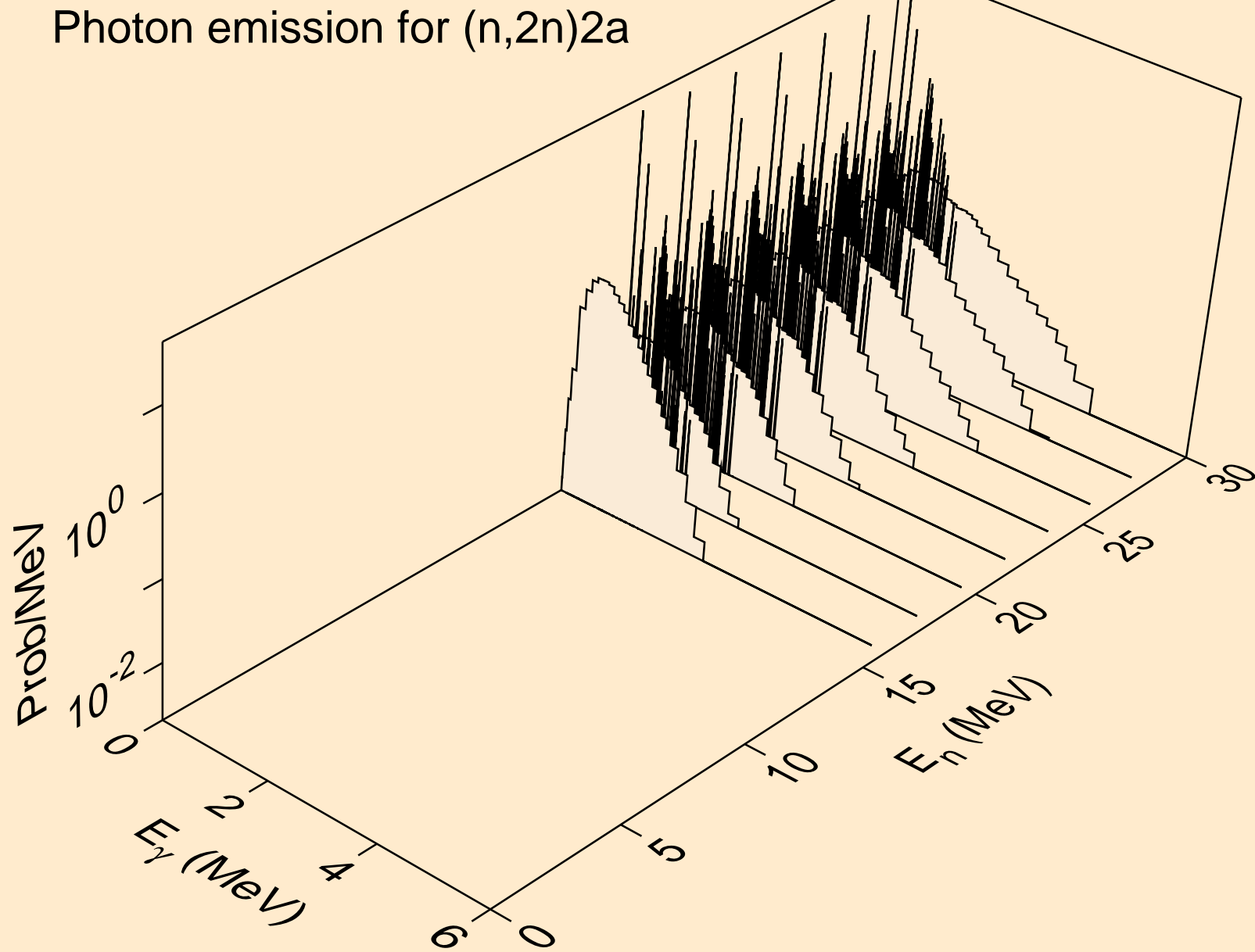
TB154 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



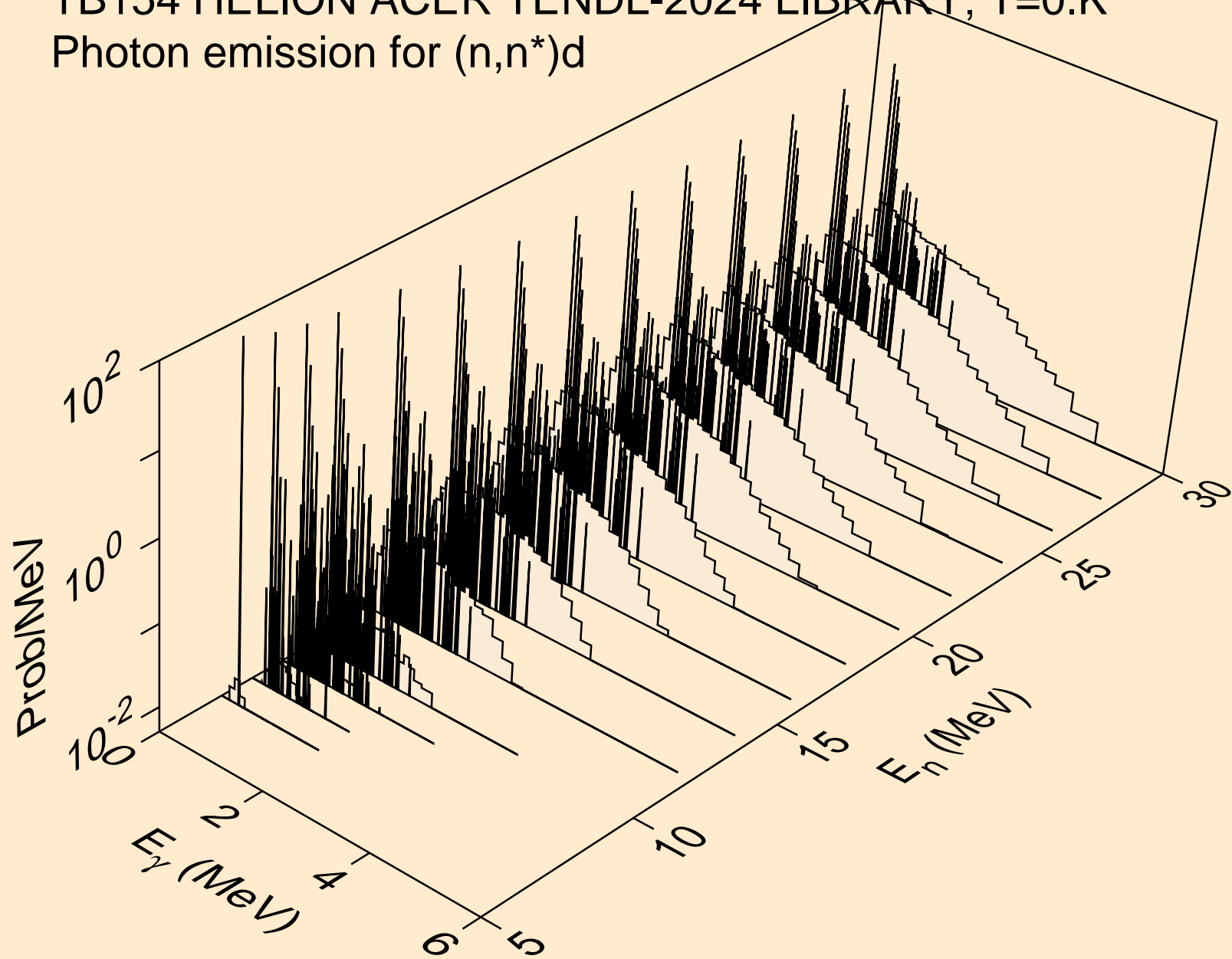
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Photon emission for (n,n\*)2a



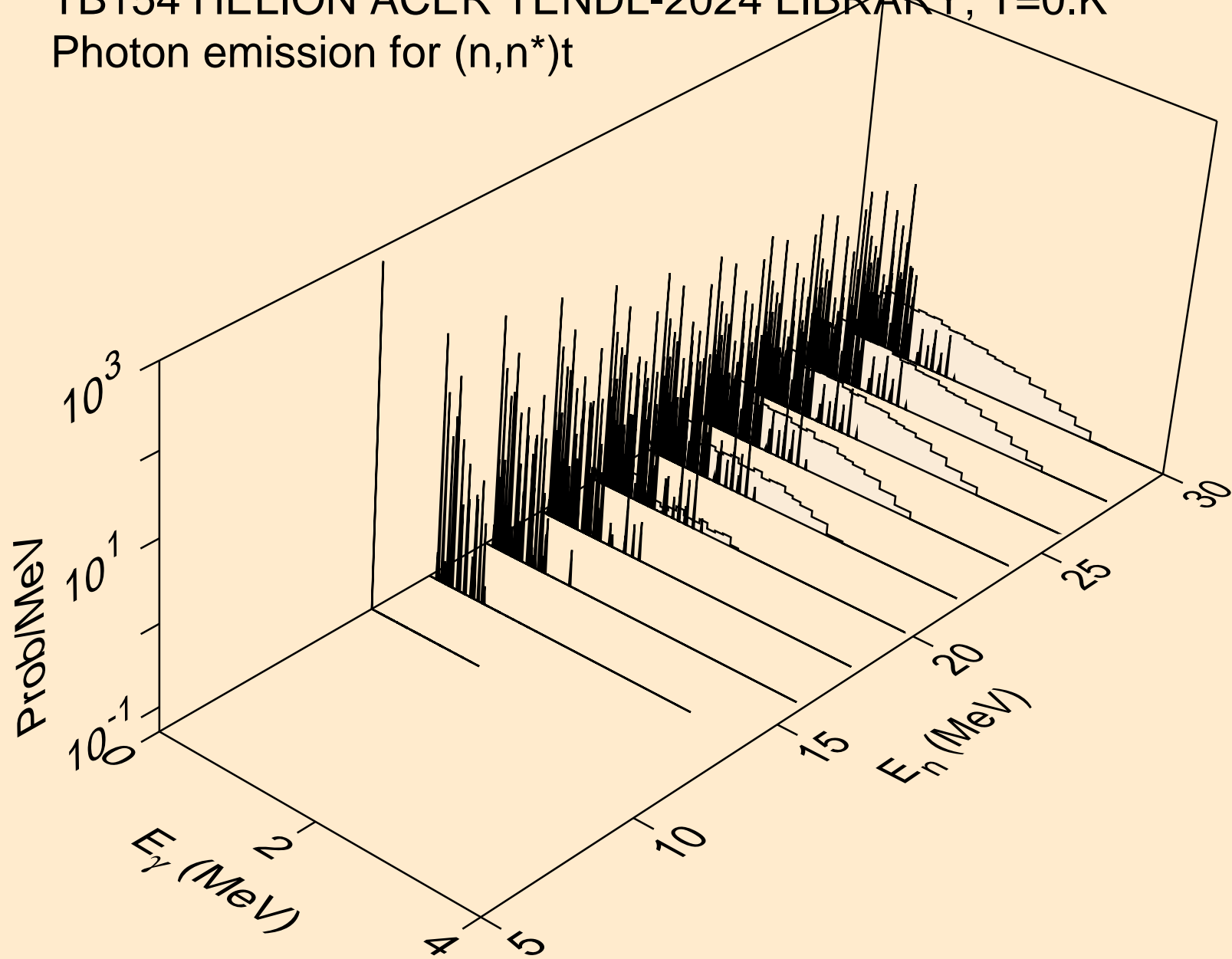
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Photon emission for (n,2n)2a



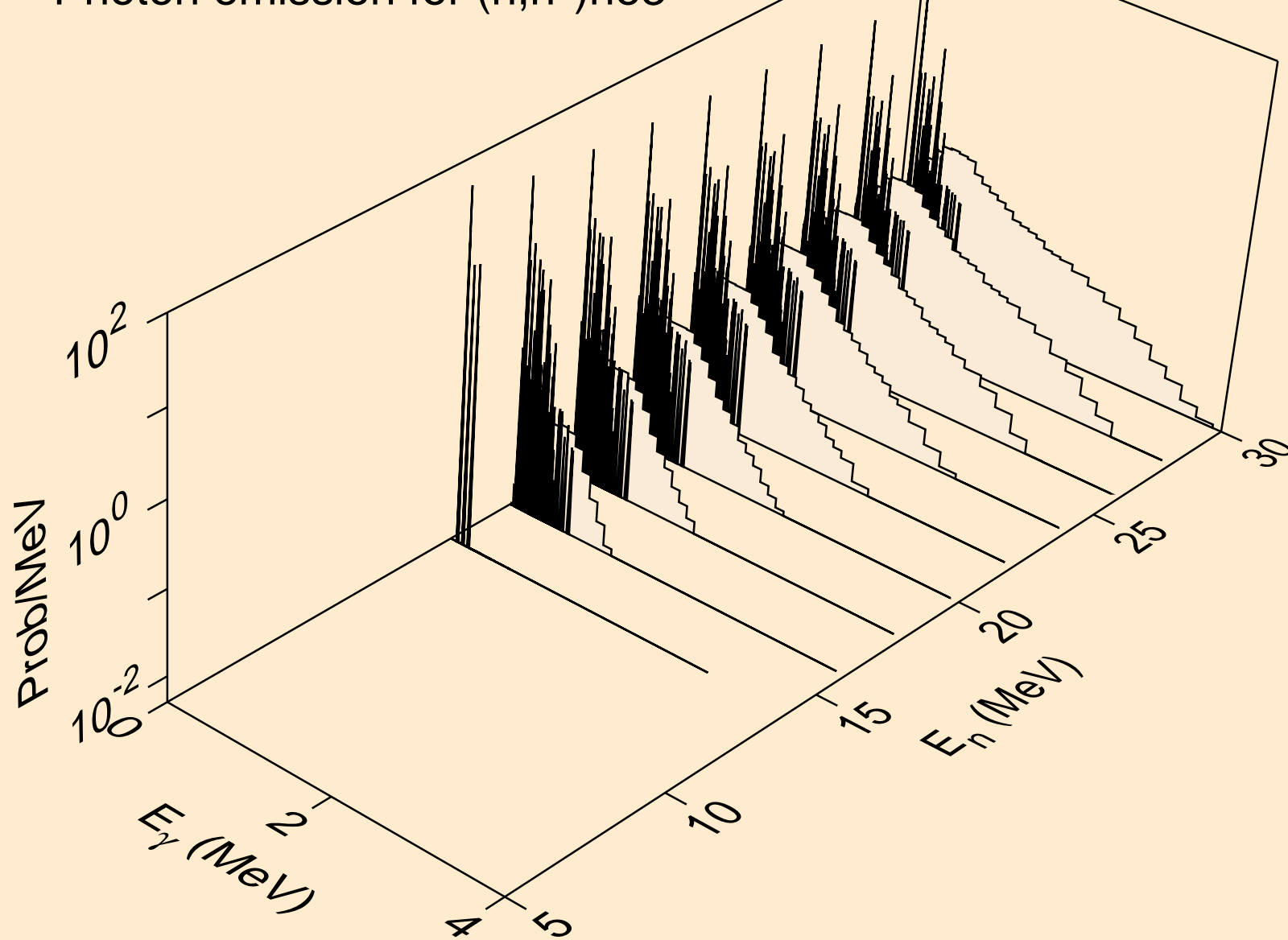
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Photon emission for (n,n\*)d



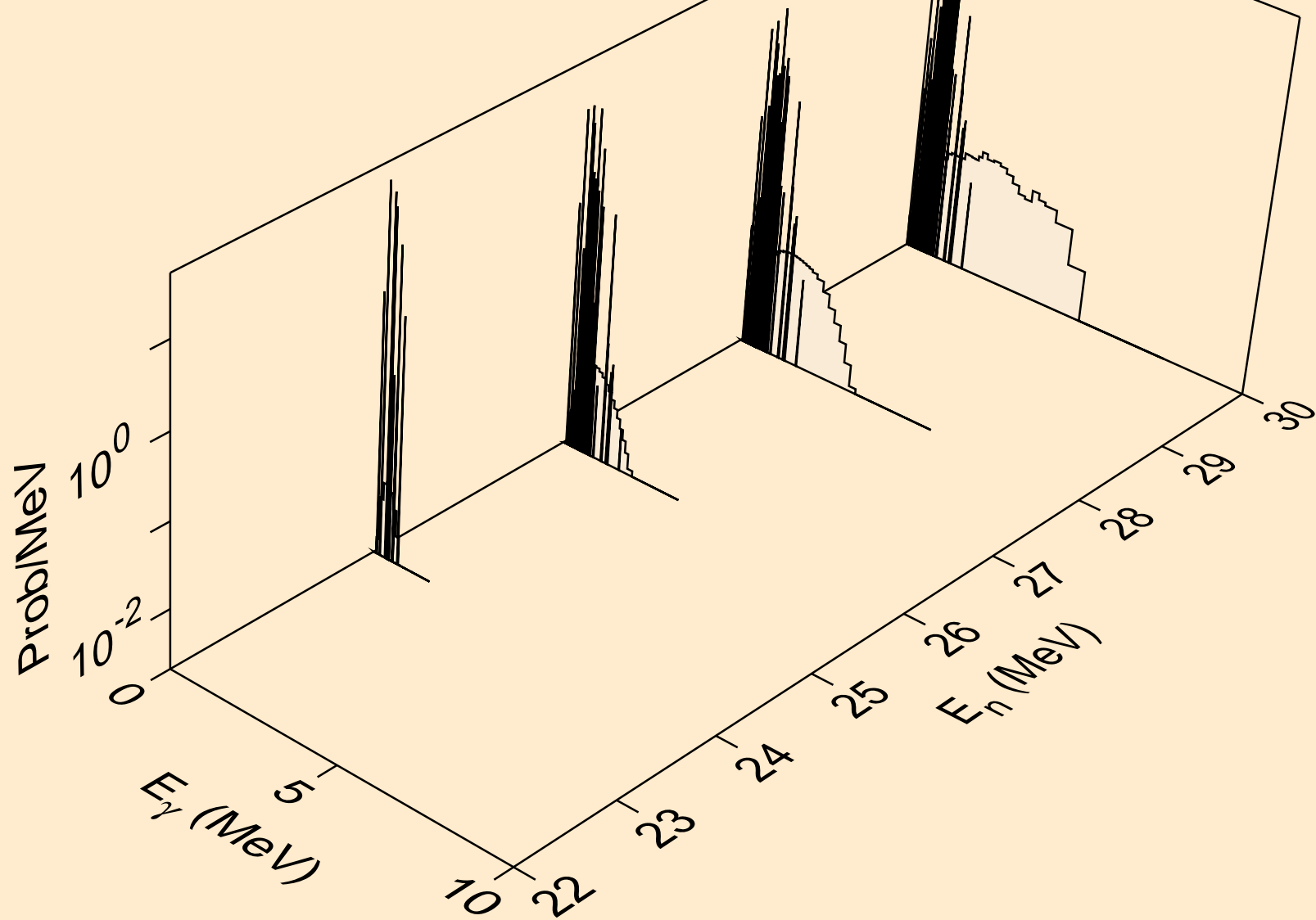
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Photon emission for (n,n\*)t



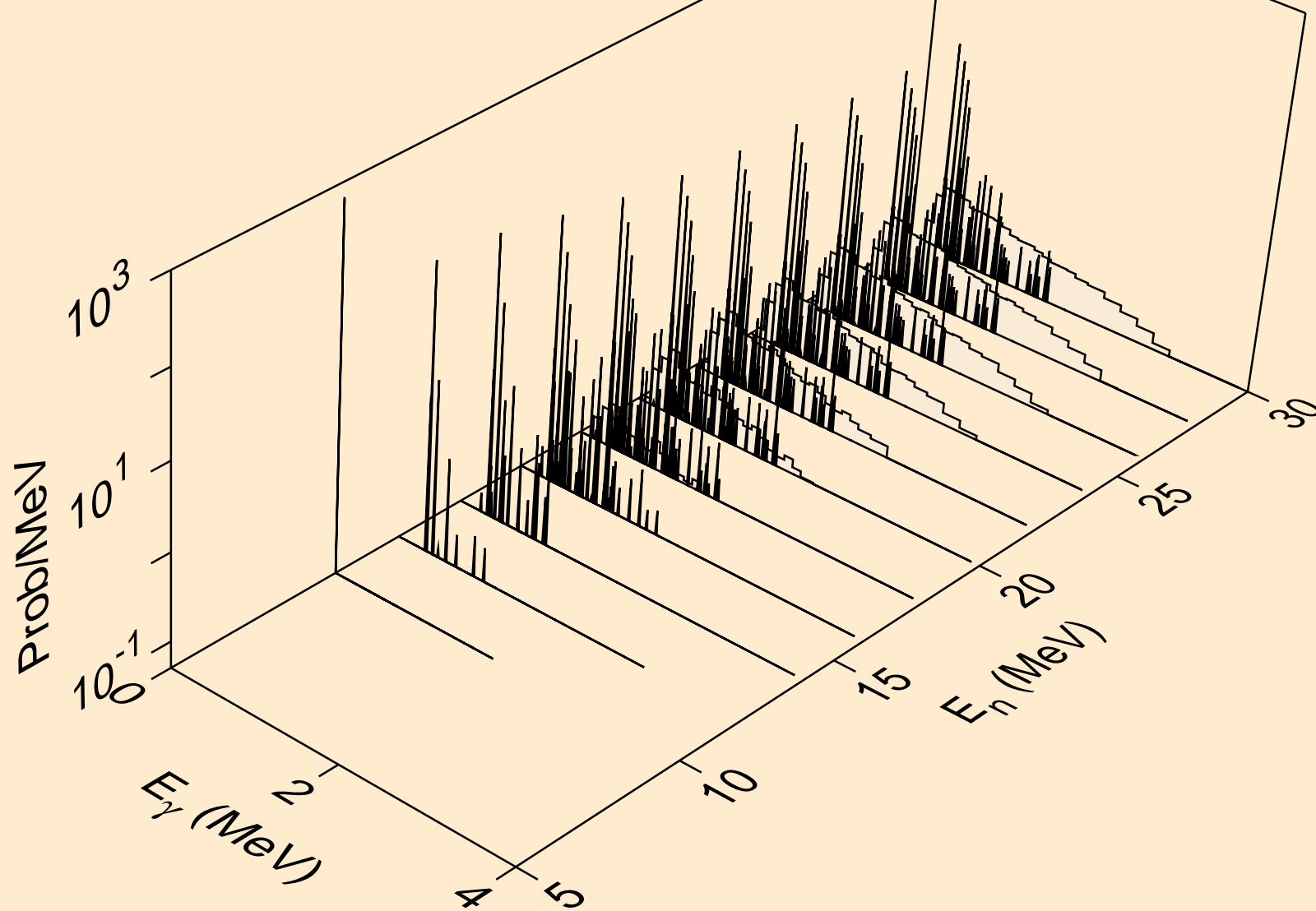
TB154 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



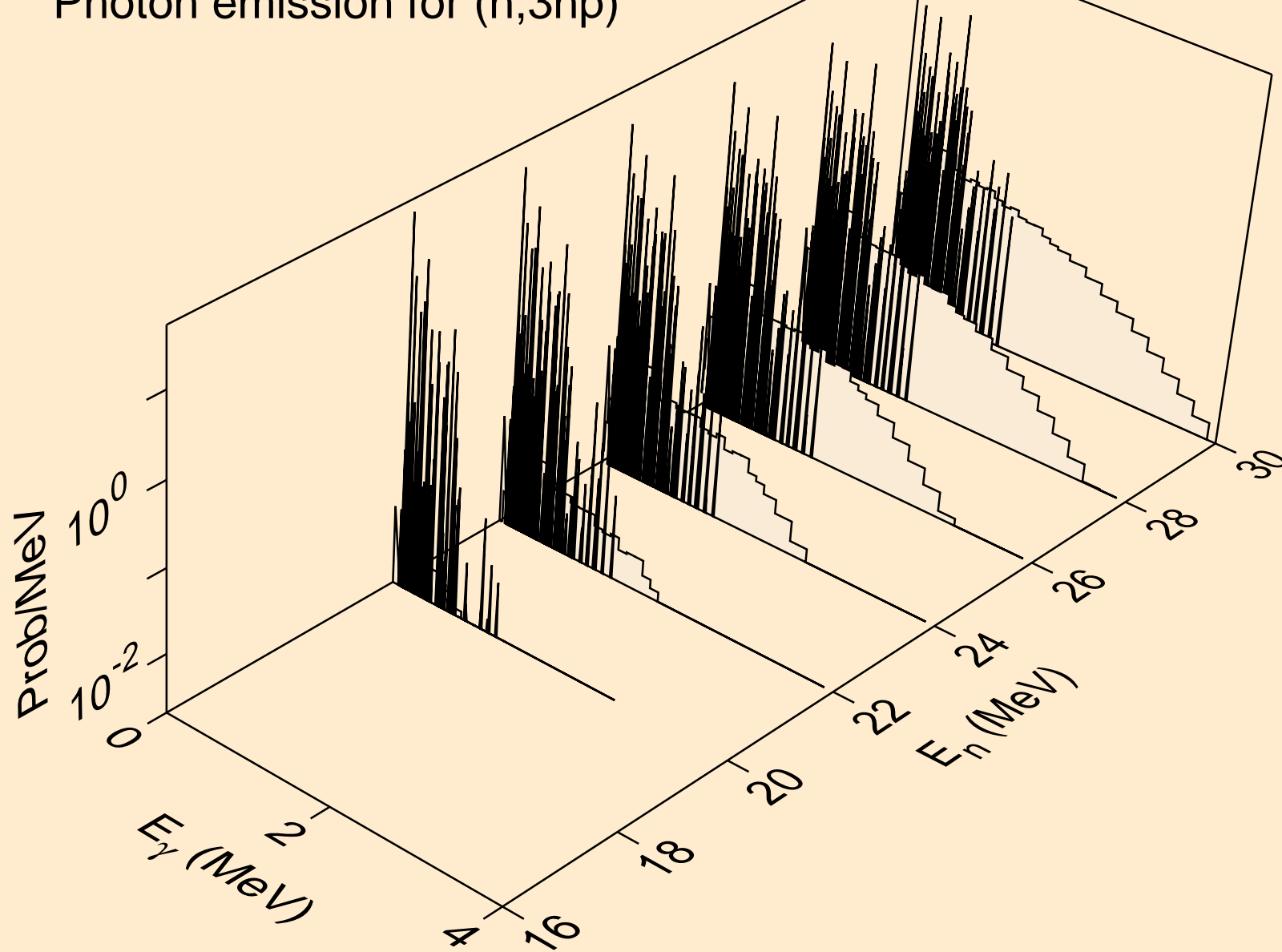
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Photon emission for (n,4n)



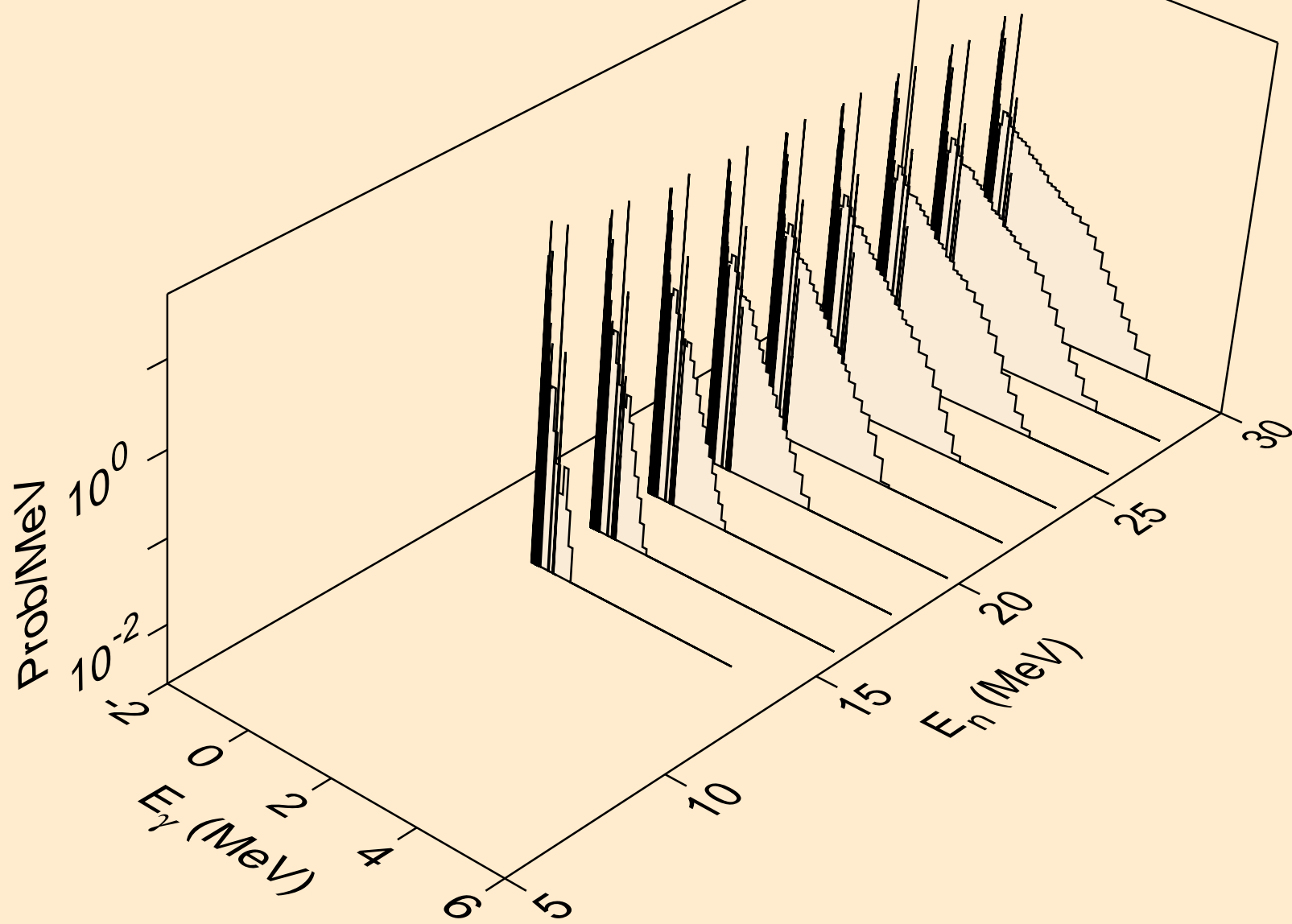
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Photon emission for (n,2np)



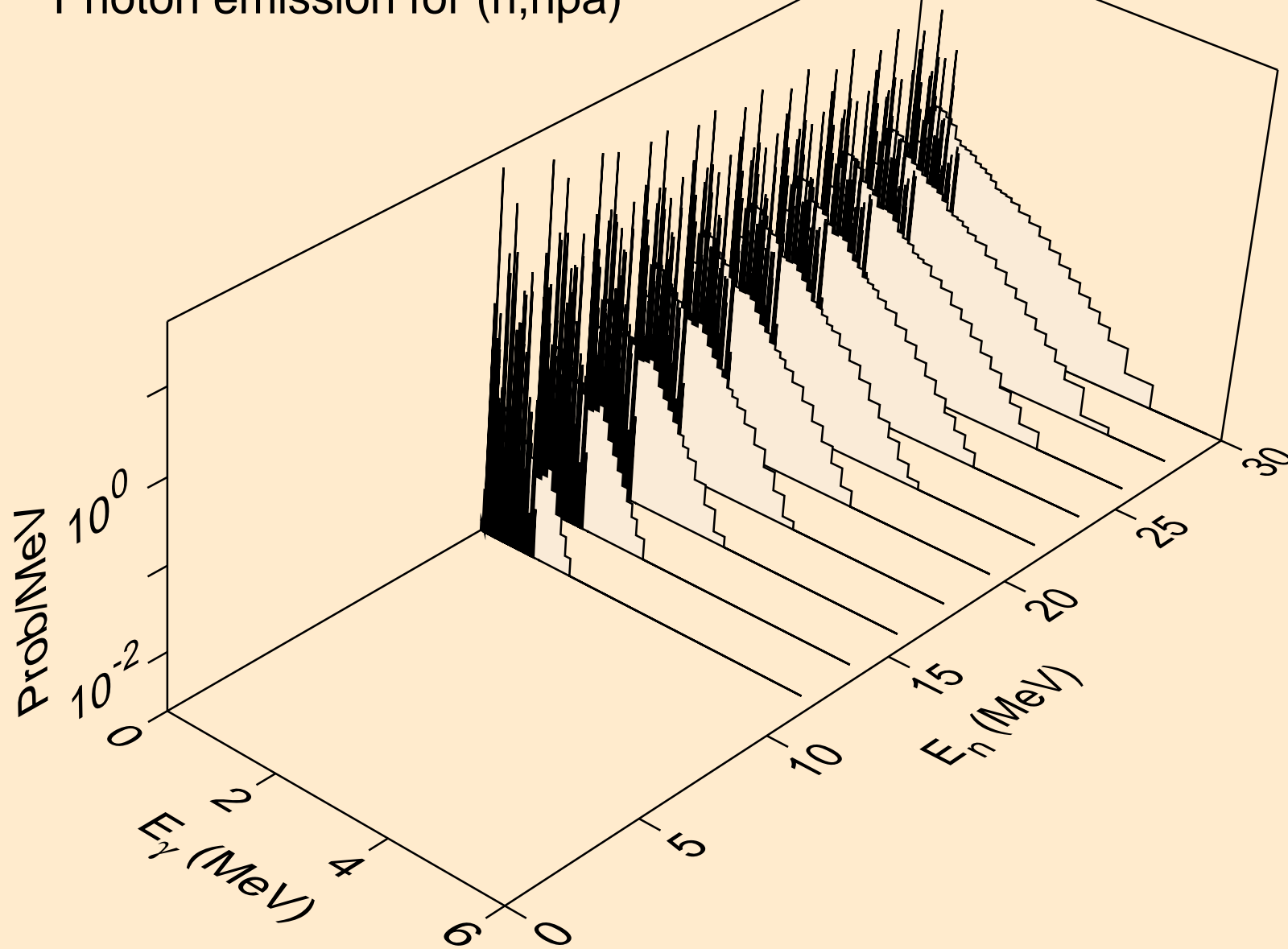
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Photon emission for (n,3np)



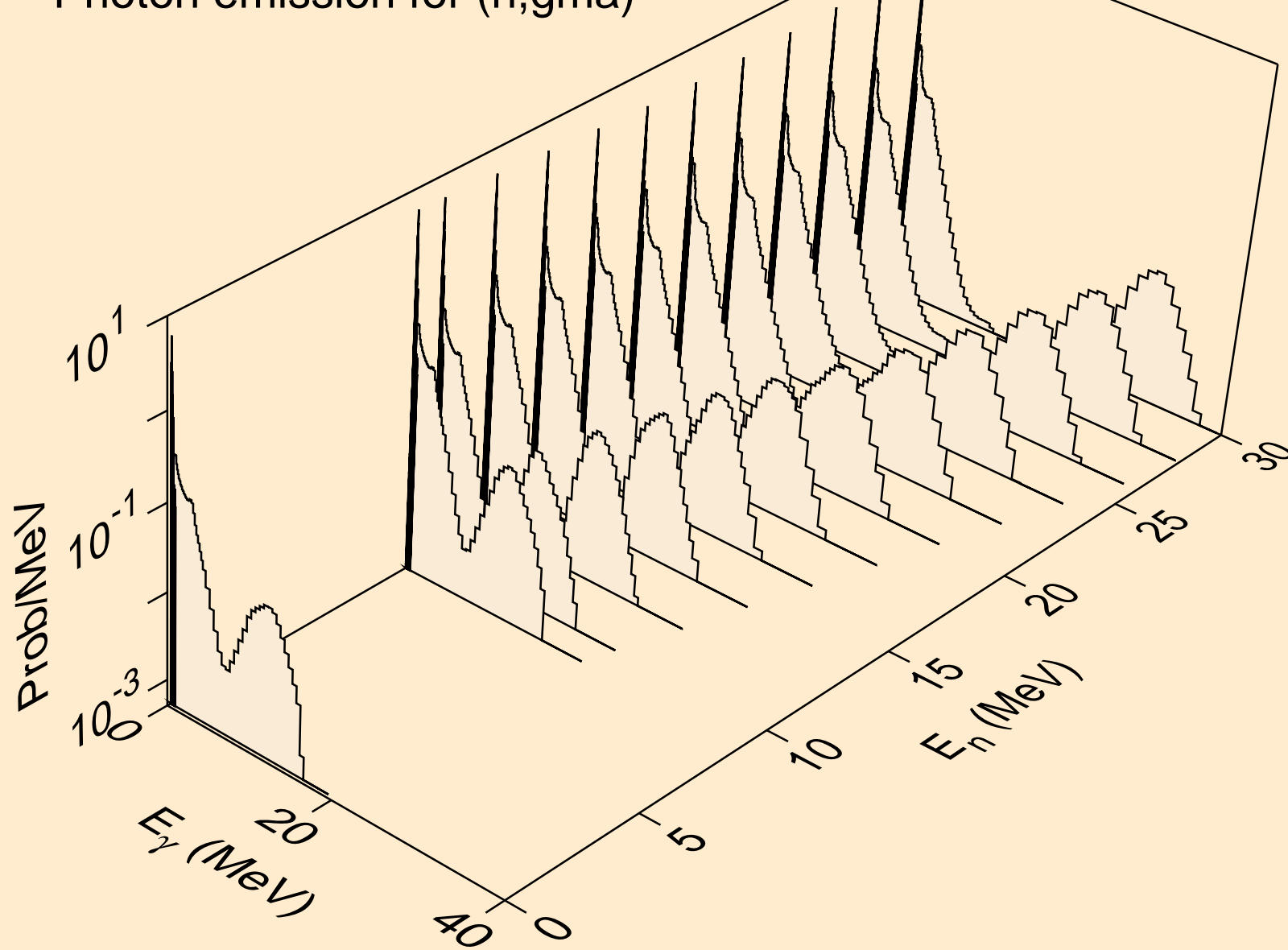
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Photon emission for (n,n2p)



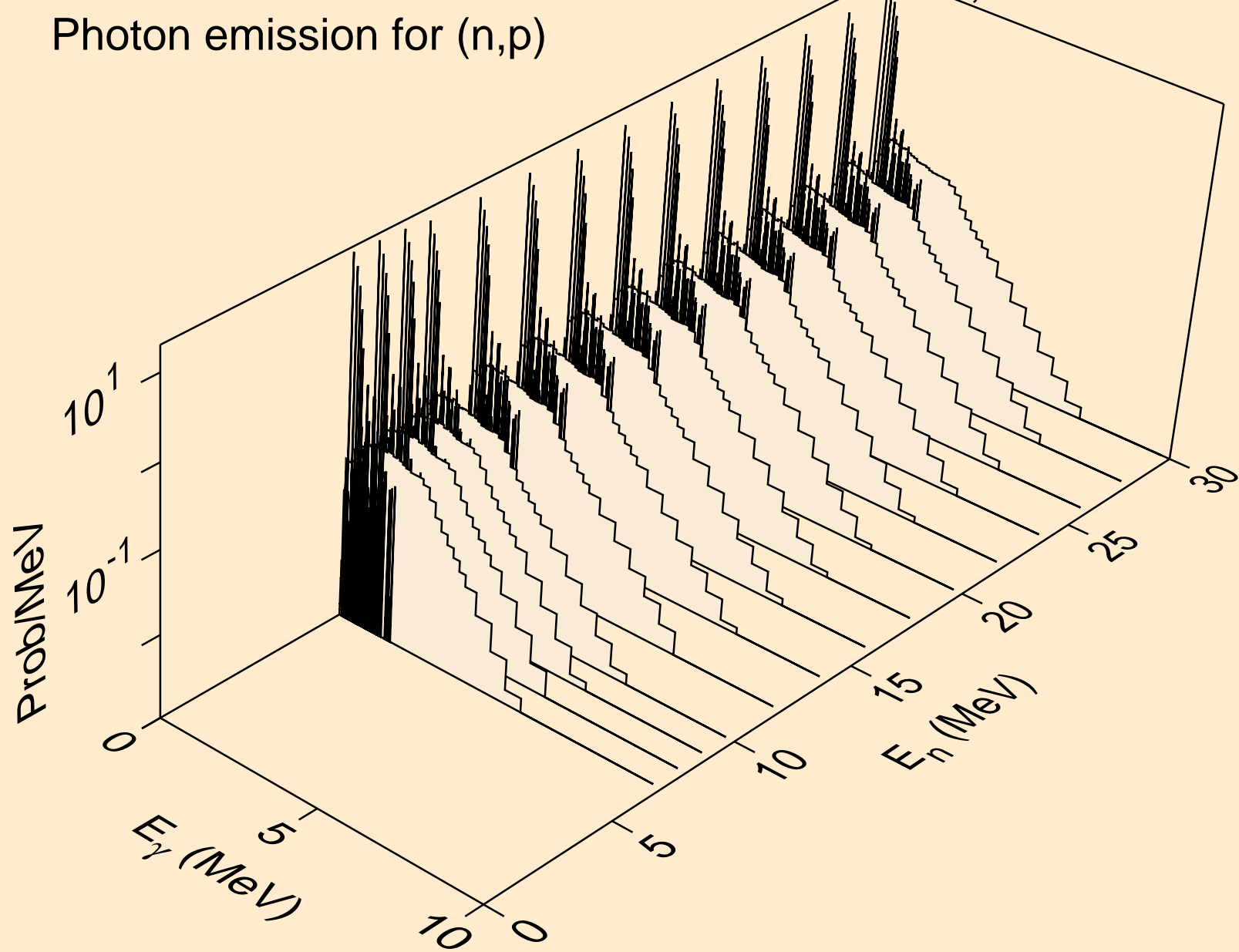
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Photon emission for (n,npa)



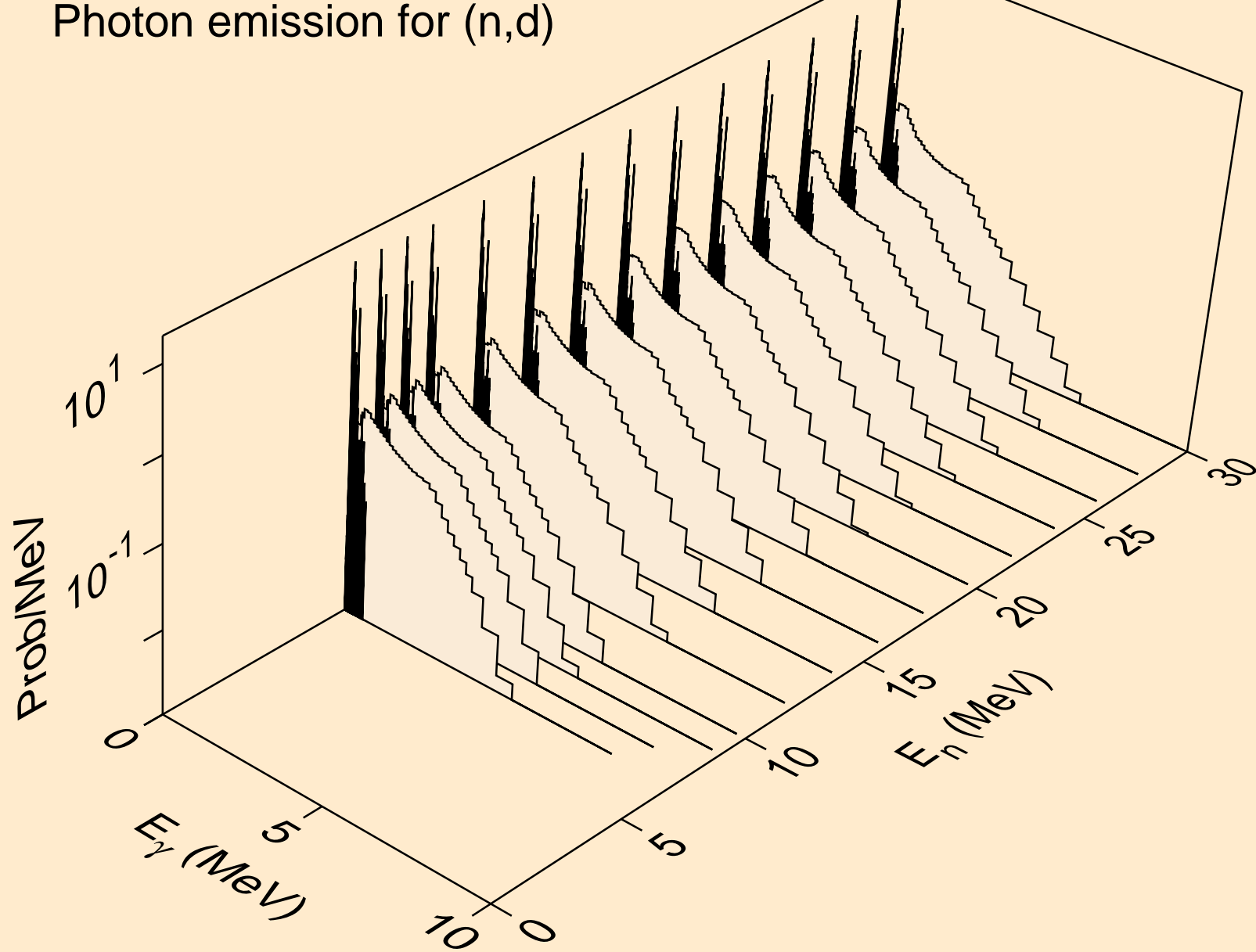
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Photon emission for (n,gma)



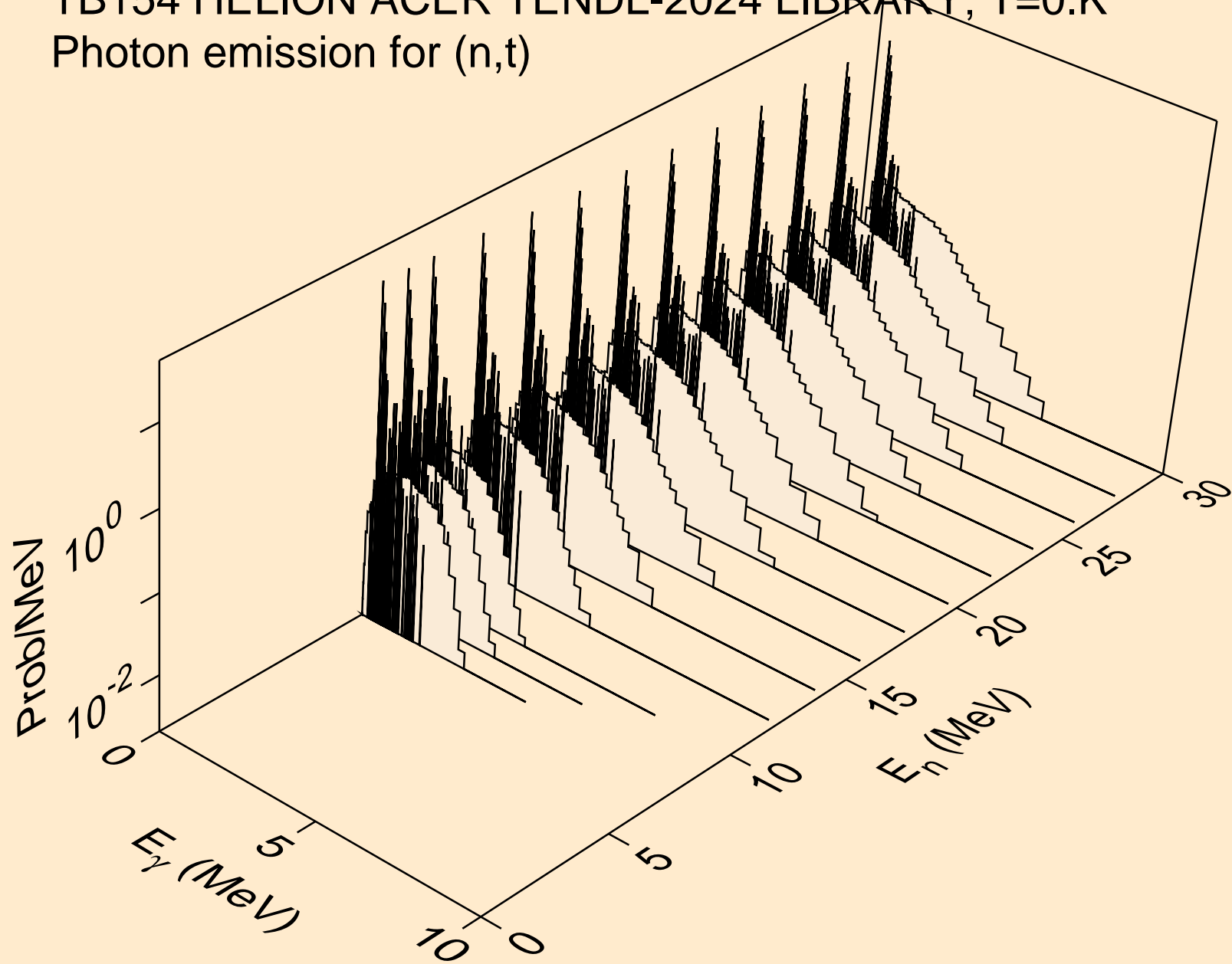
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Photon emission for (n,p)



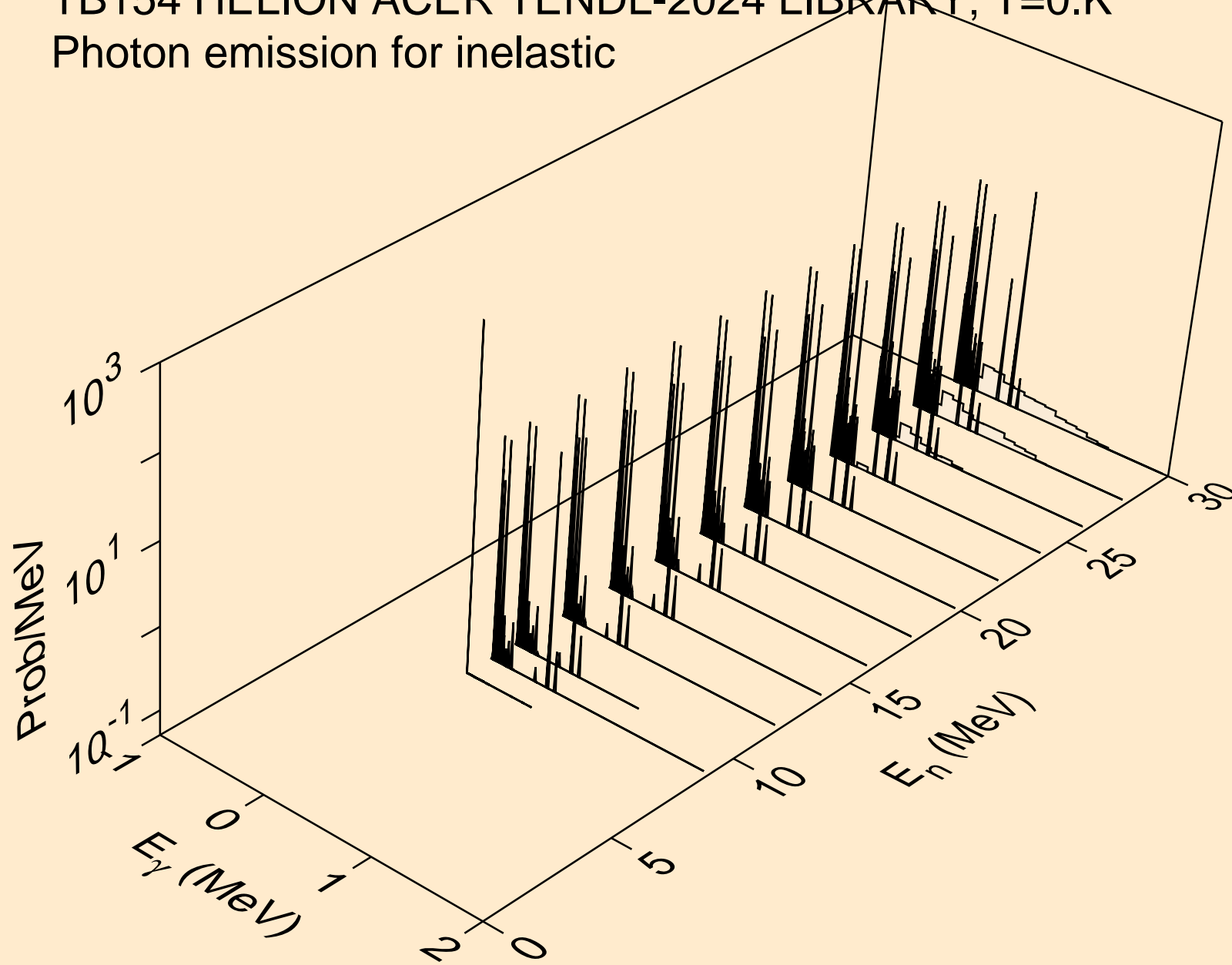
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Photon emission for (n,d)



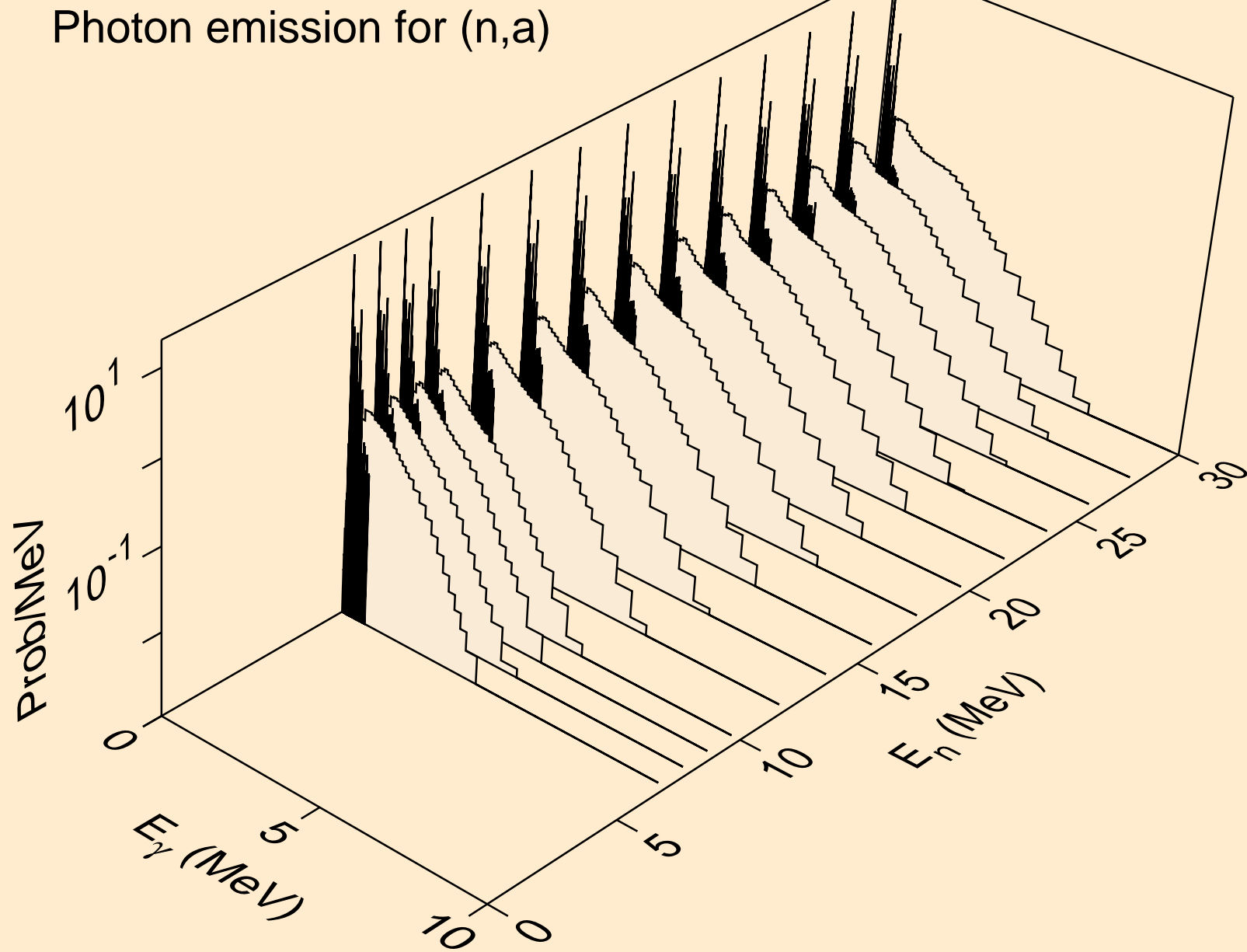
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Photon emission for (n,t)



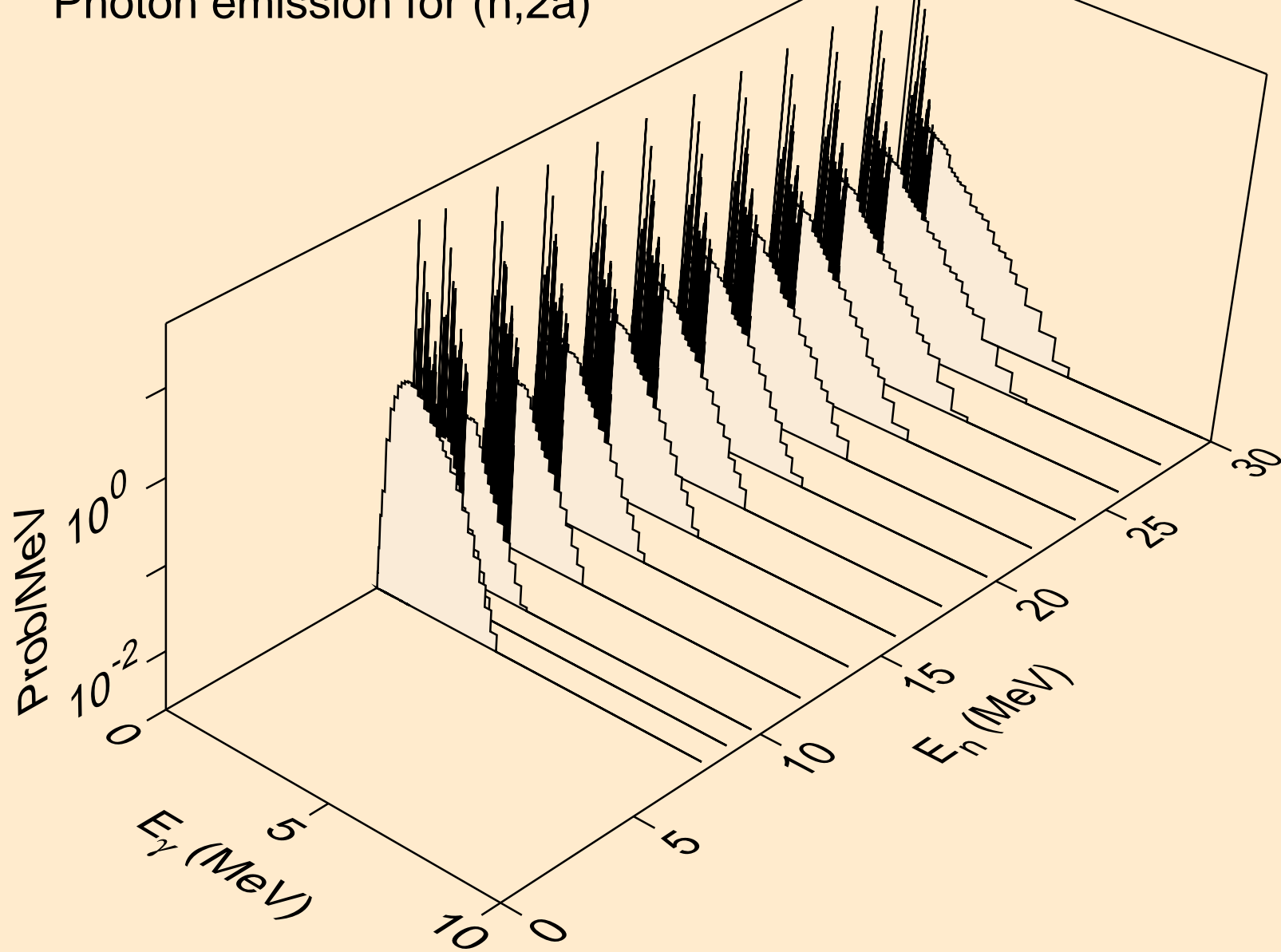
TB154 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for inelastic



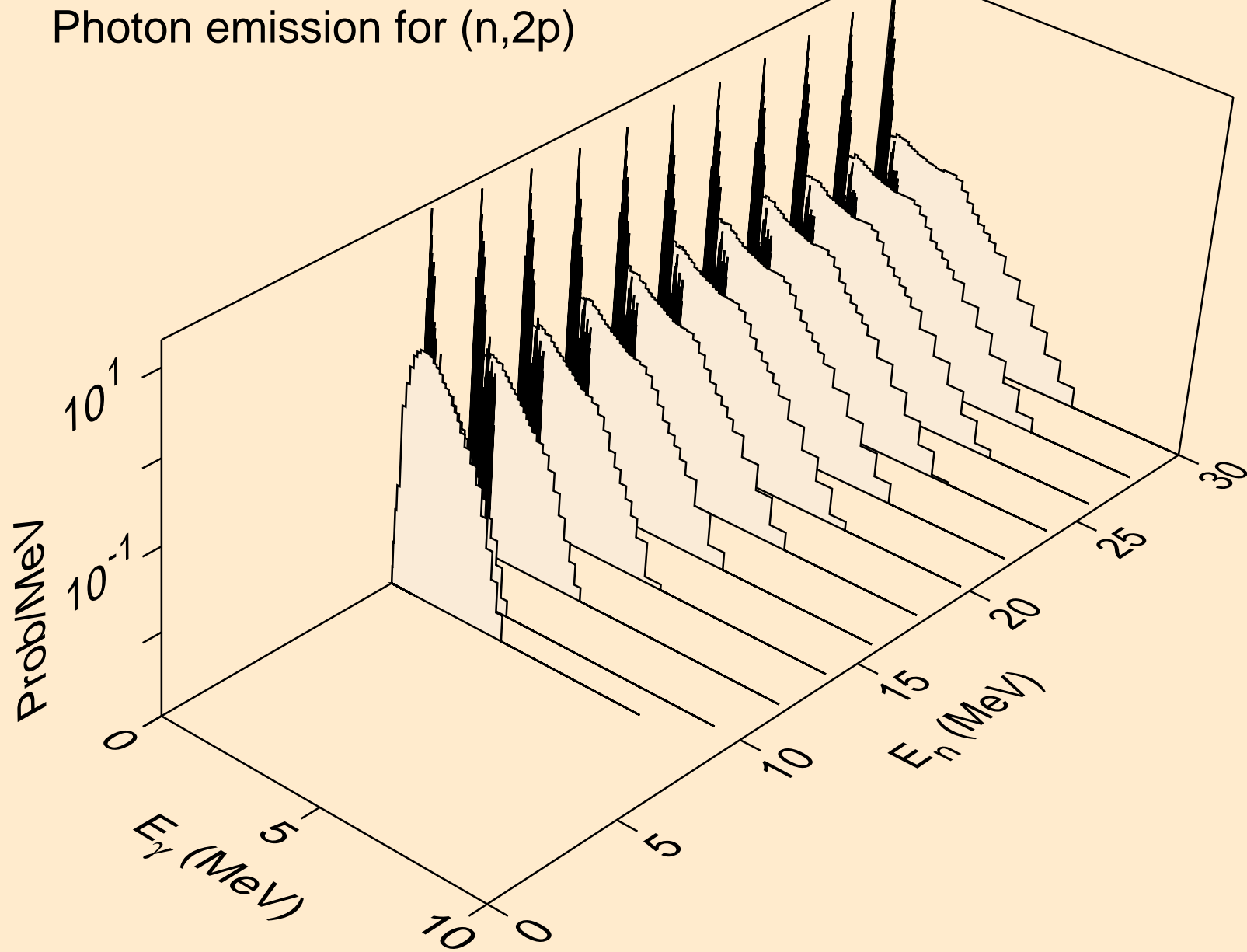
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Photon emission for (n,a)



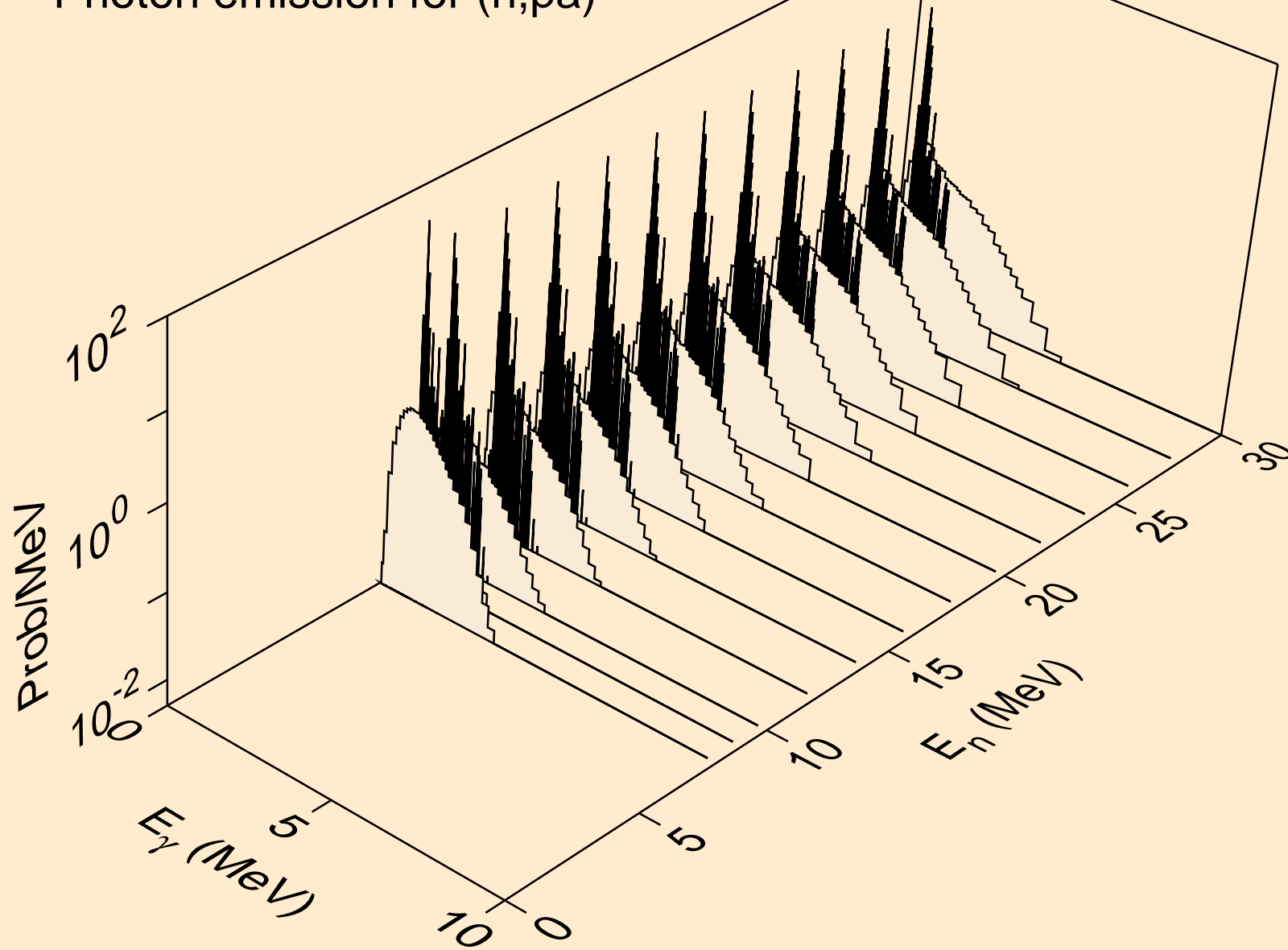
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Photon emission for (n,2a)



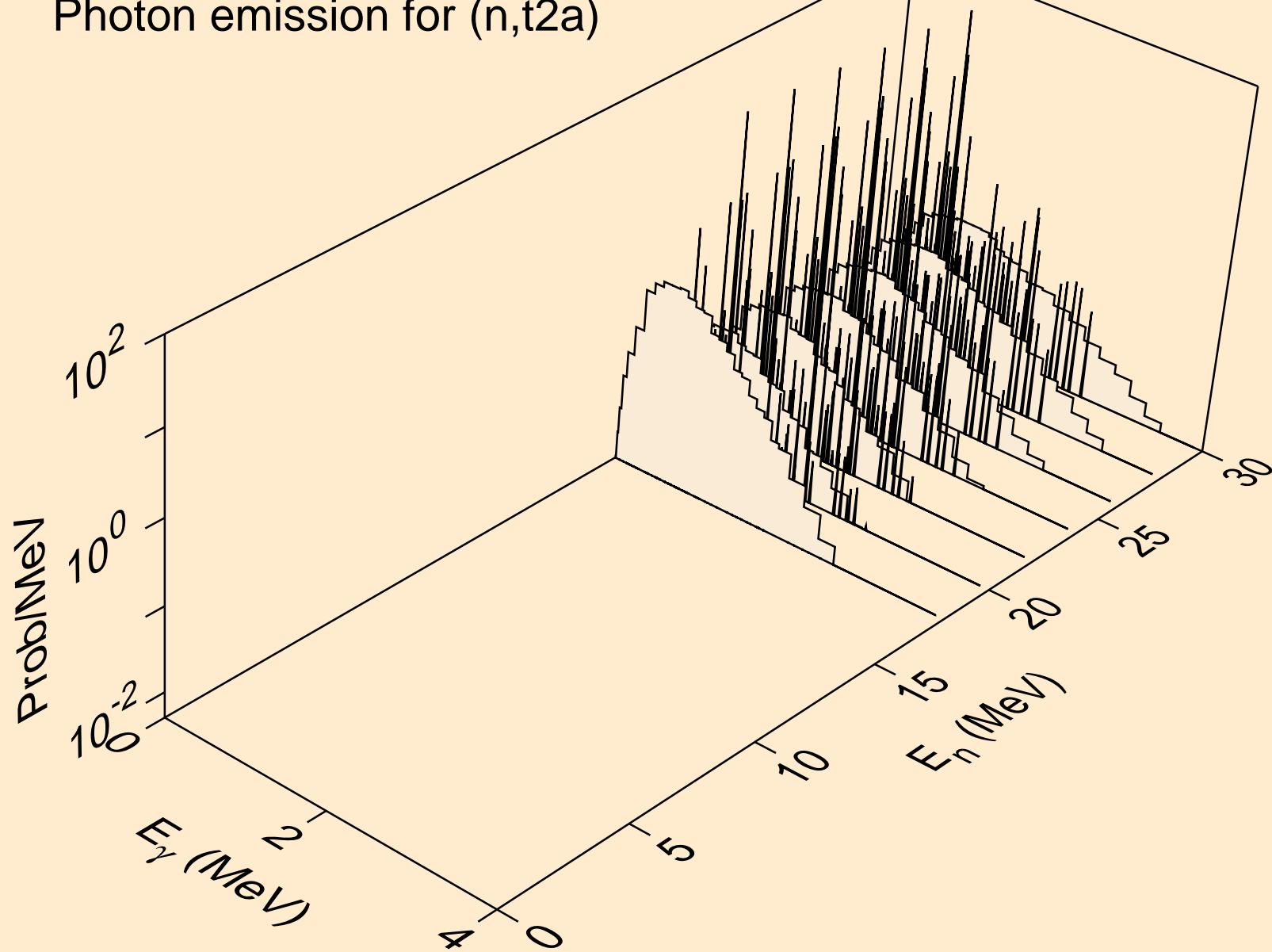
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Photon emission for (n,2p)



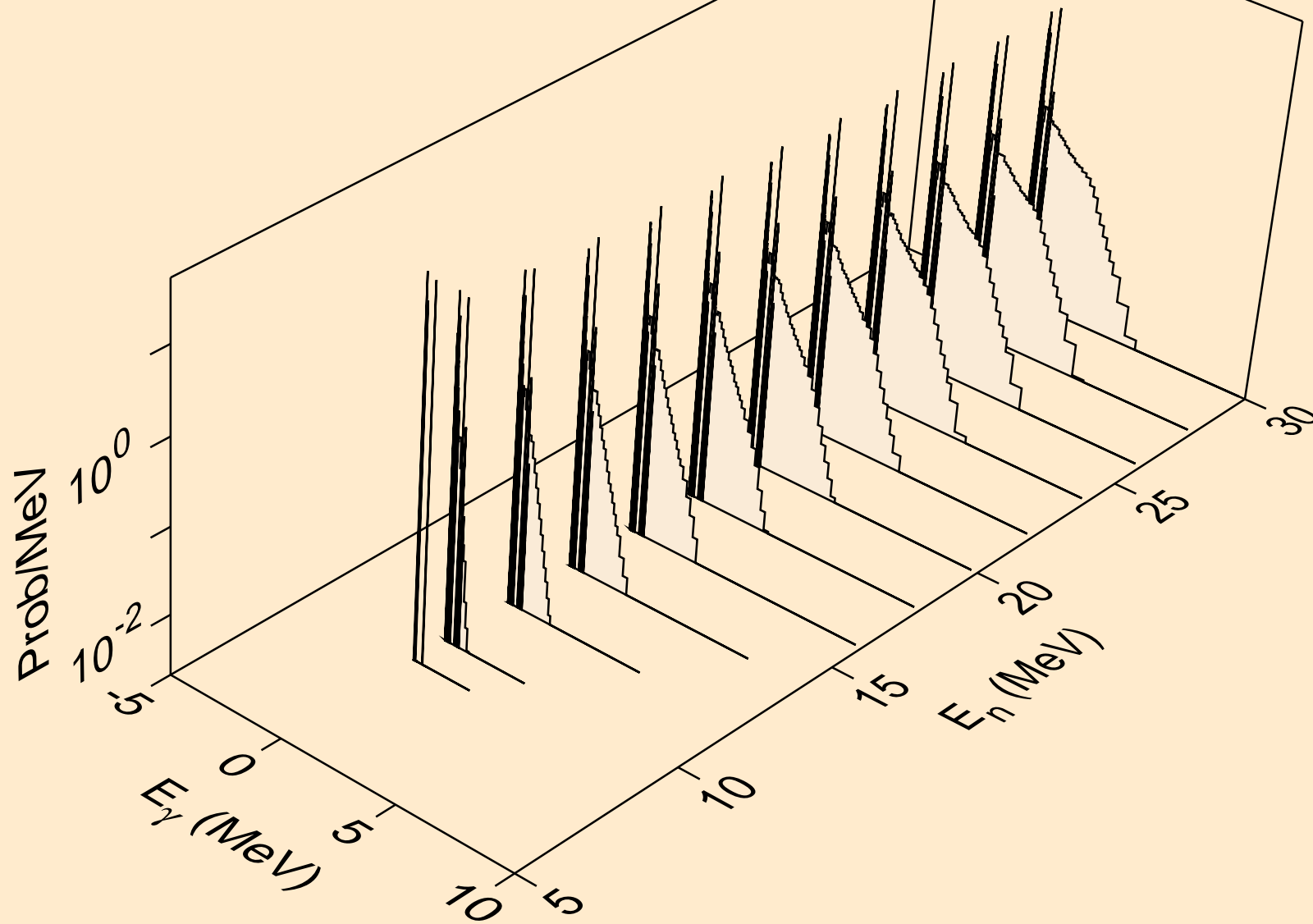
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Photon emission for (n,pa)



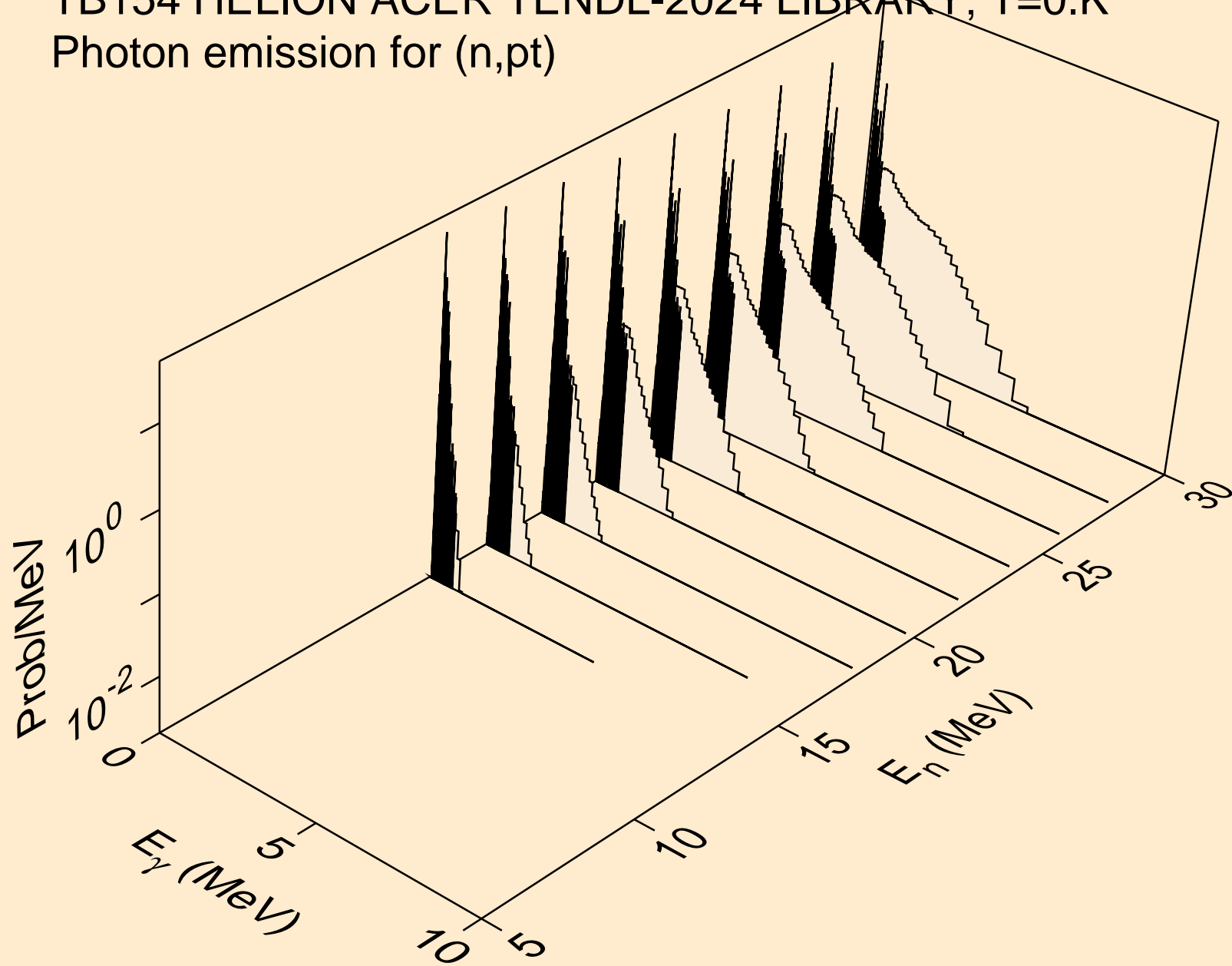
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Photon emission for (n,t2a)



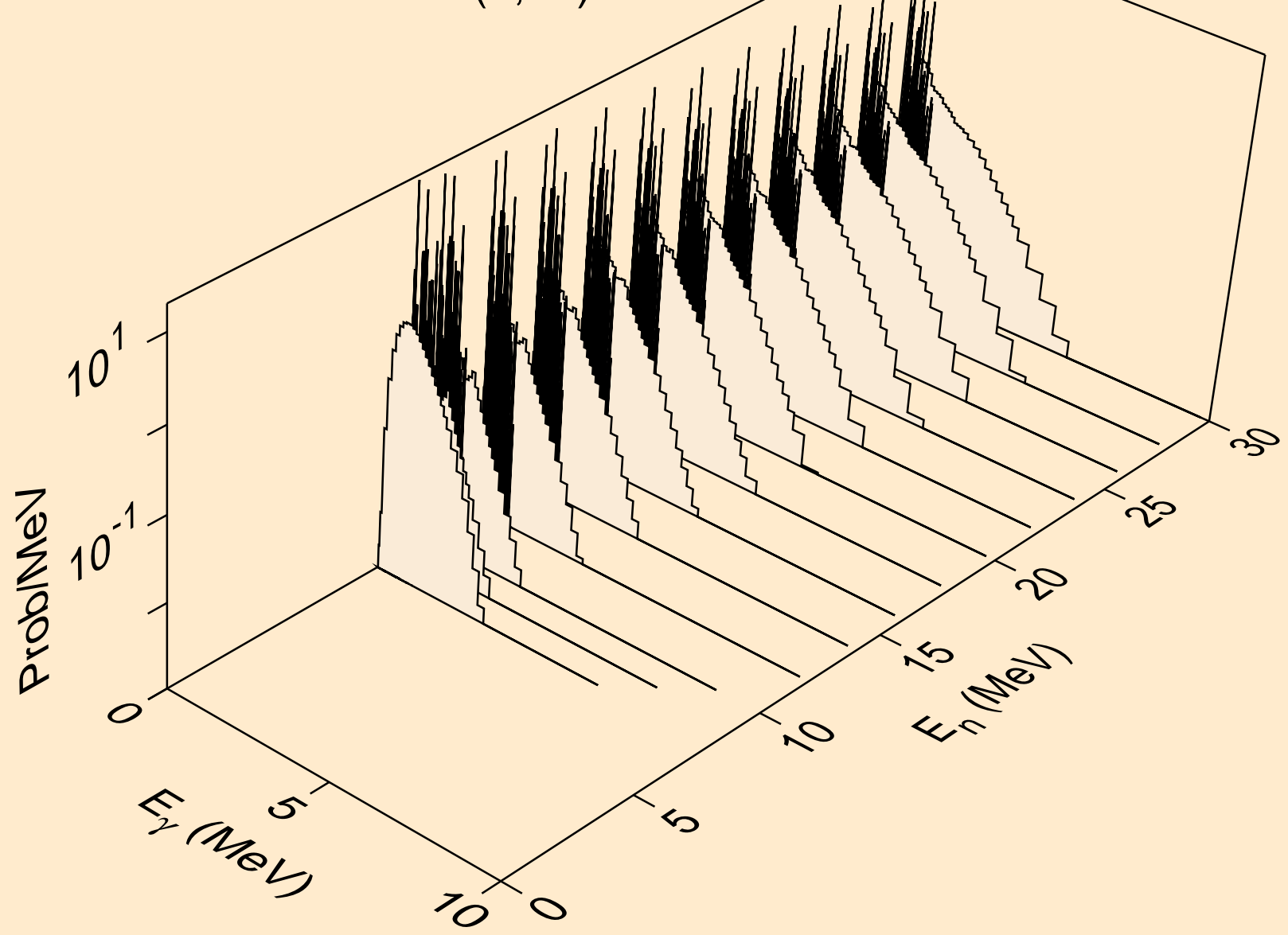
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Photon emission for (n,pd)



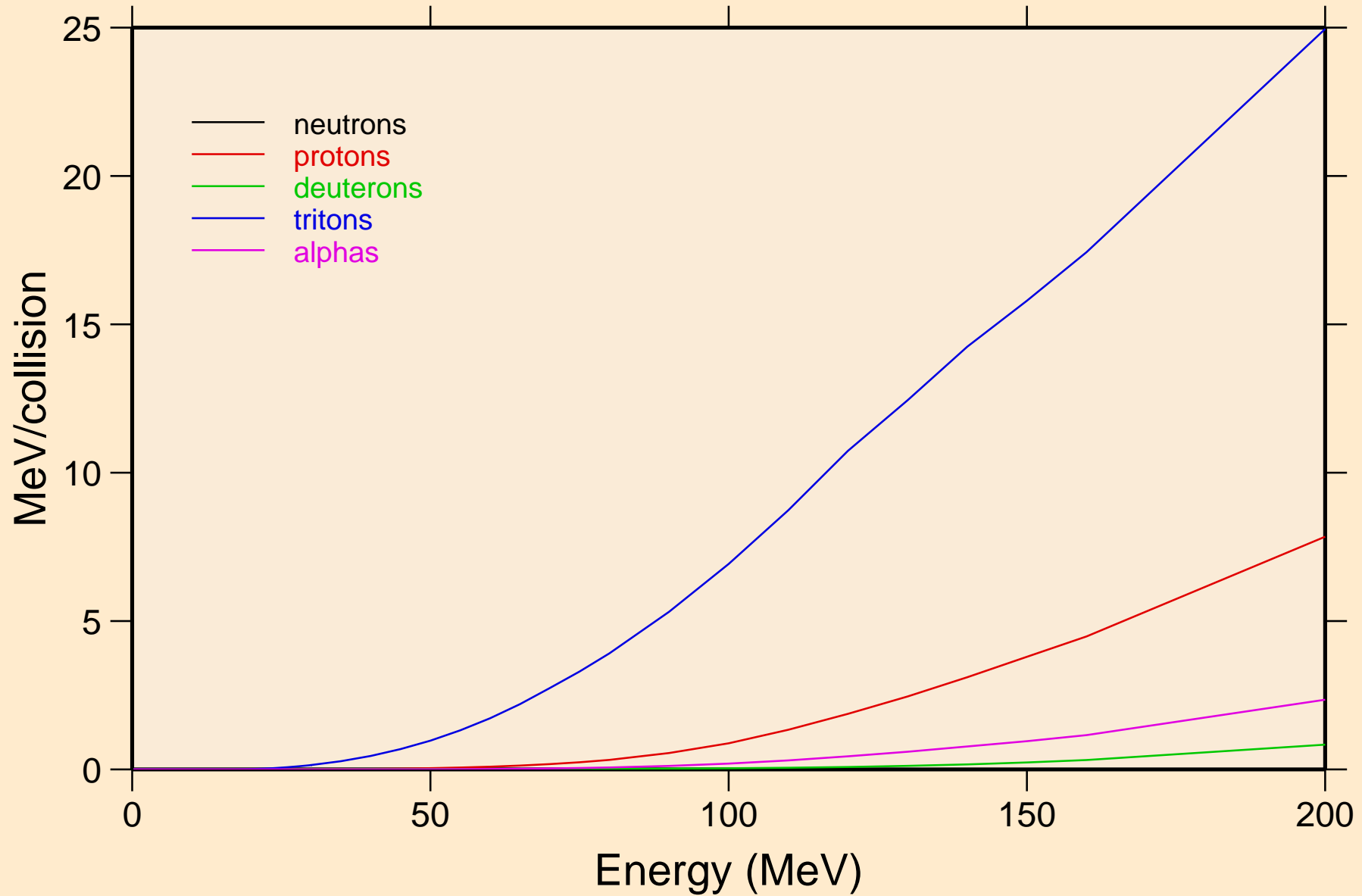
TB154 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



TB154 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)

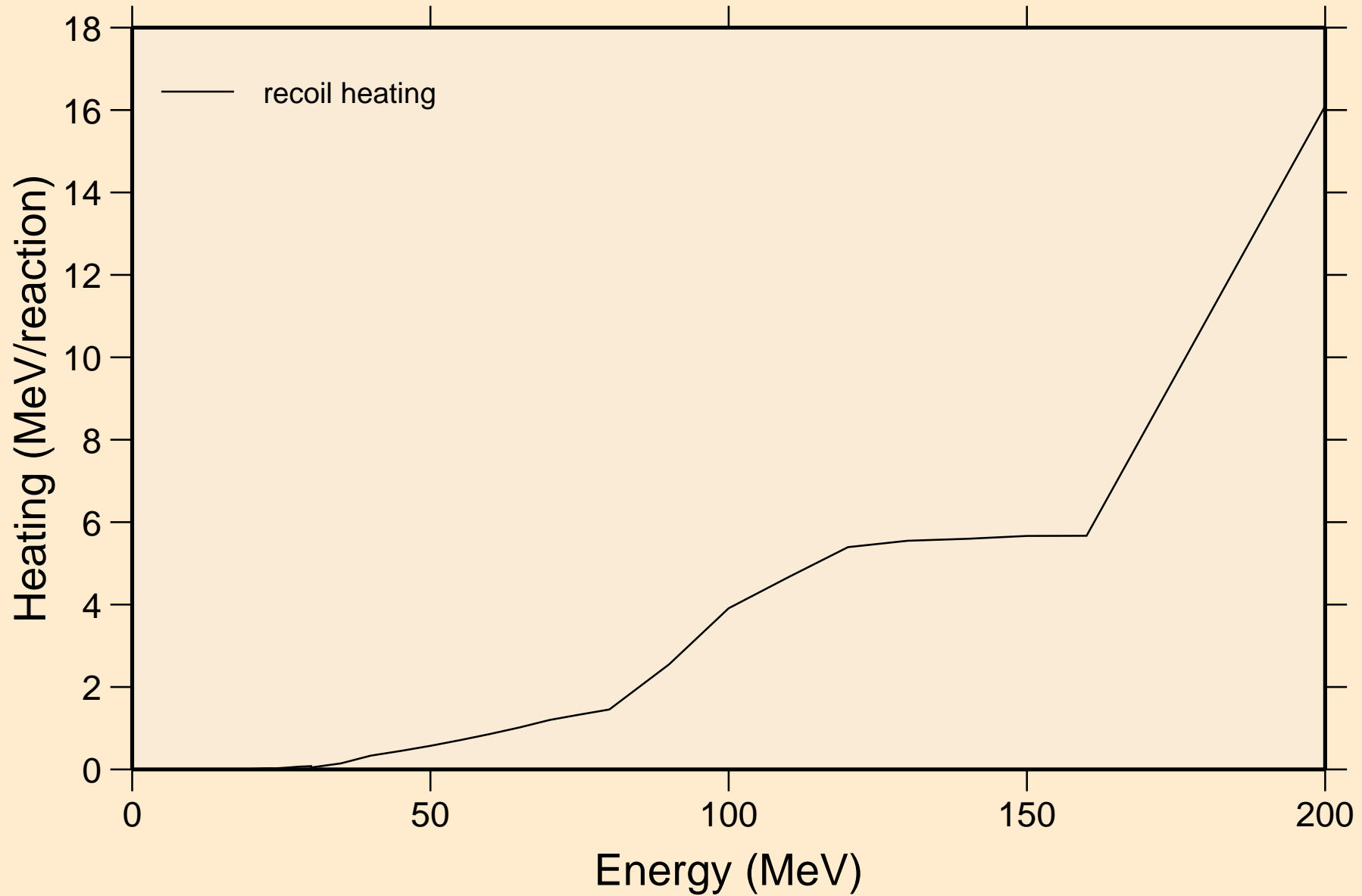


TB154 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Particle heating contributions

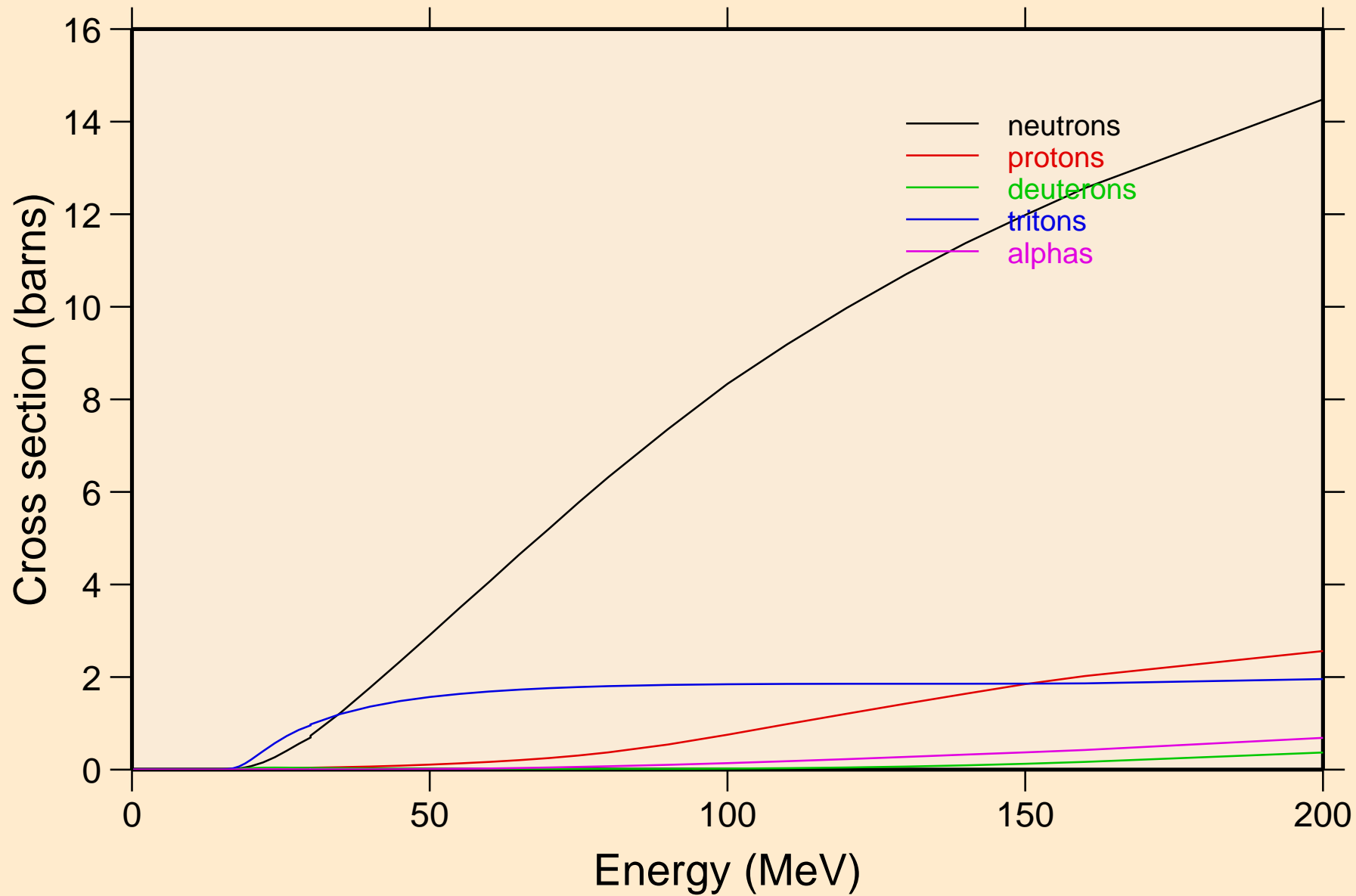


TB154 HELION ACER TENDL-2024 LIBRARY; T=0.K

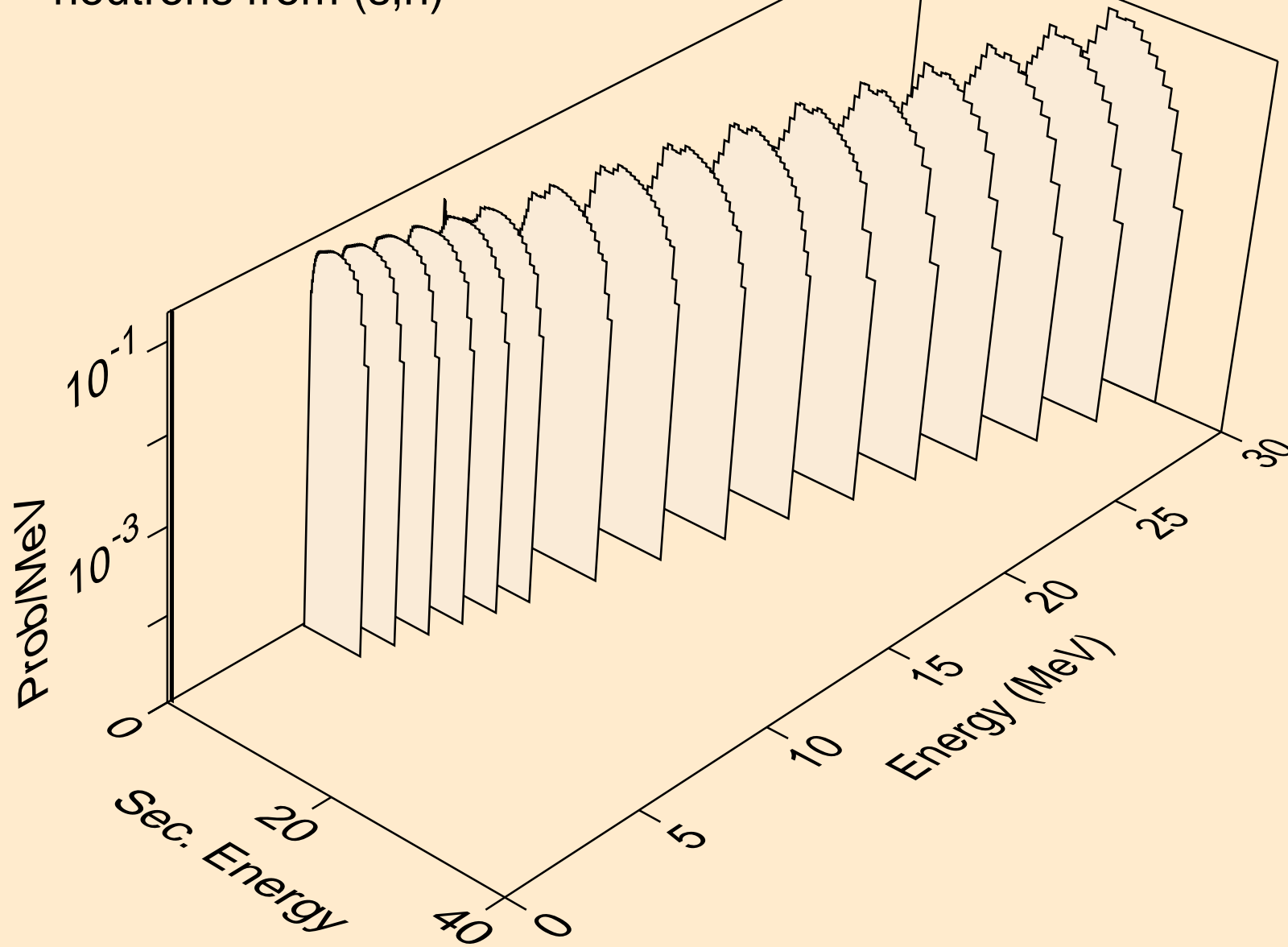
### Recoil Heating



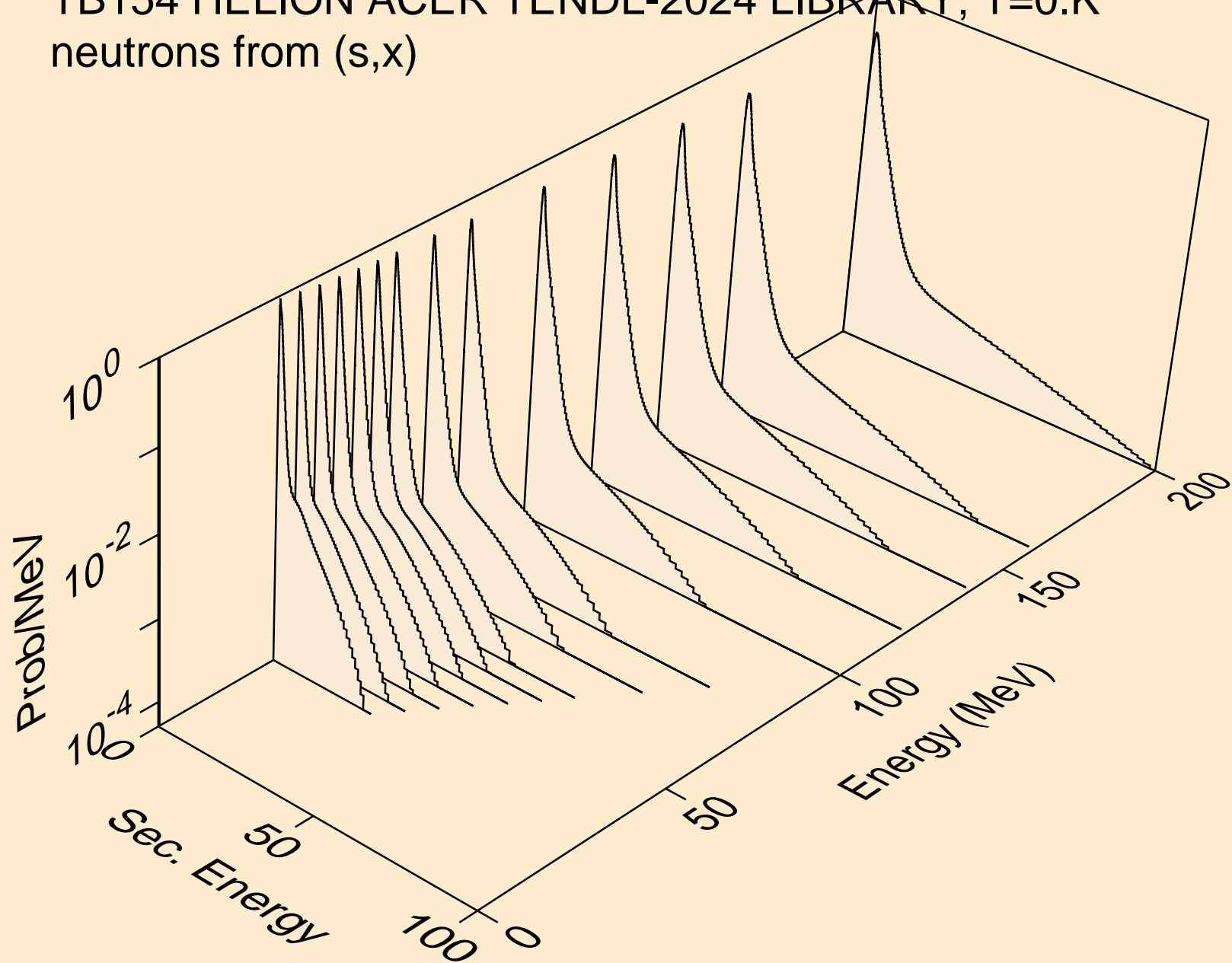
TB154 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections



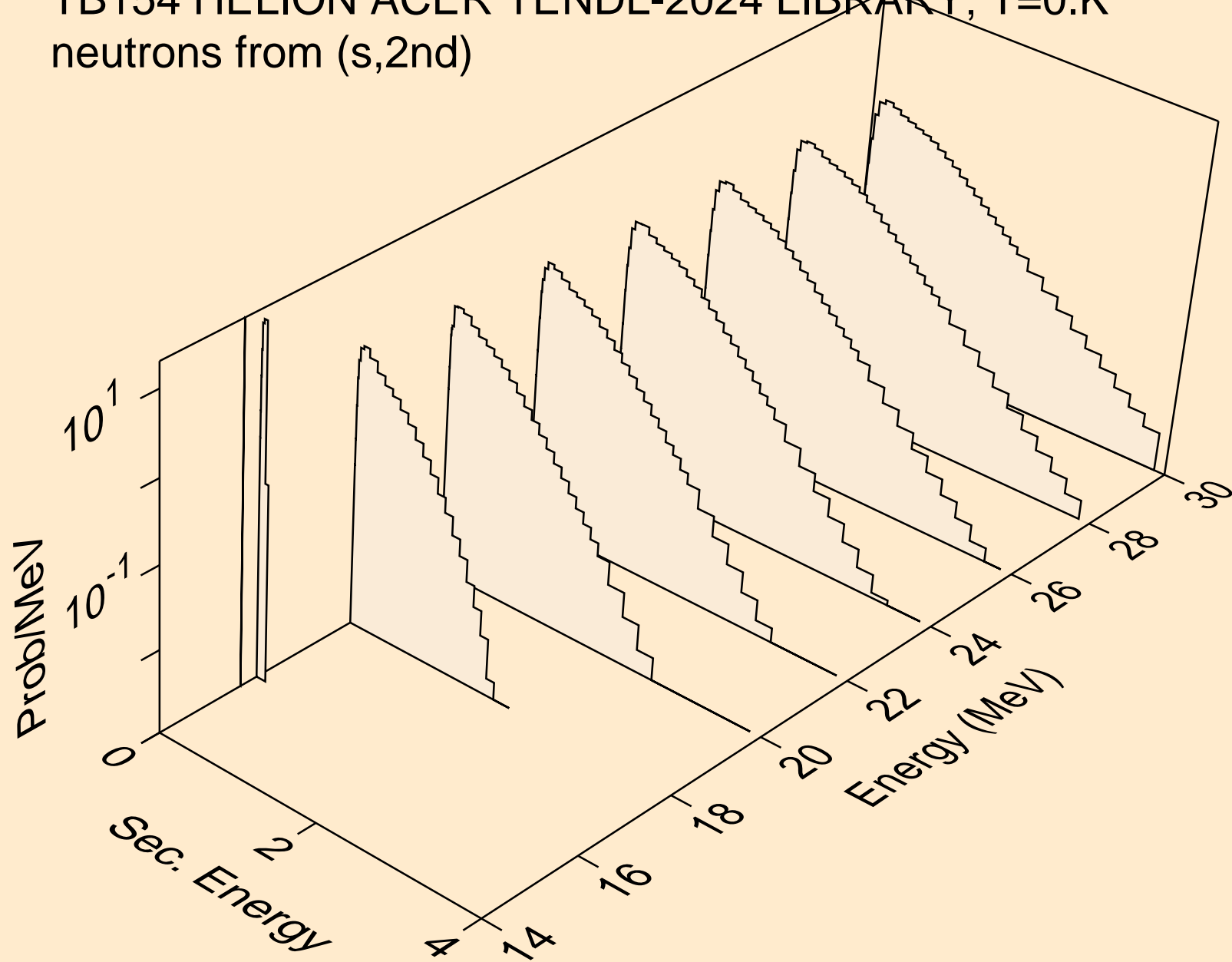
TB154 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n)



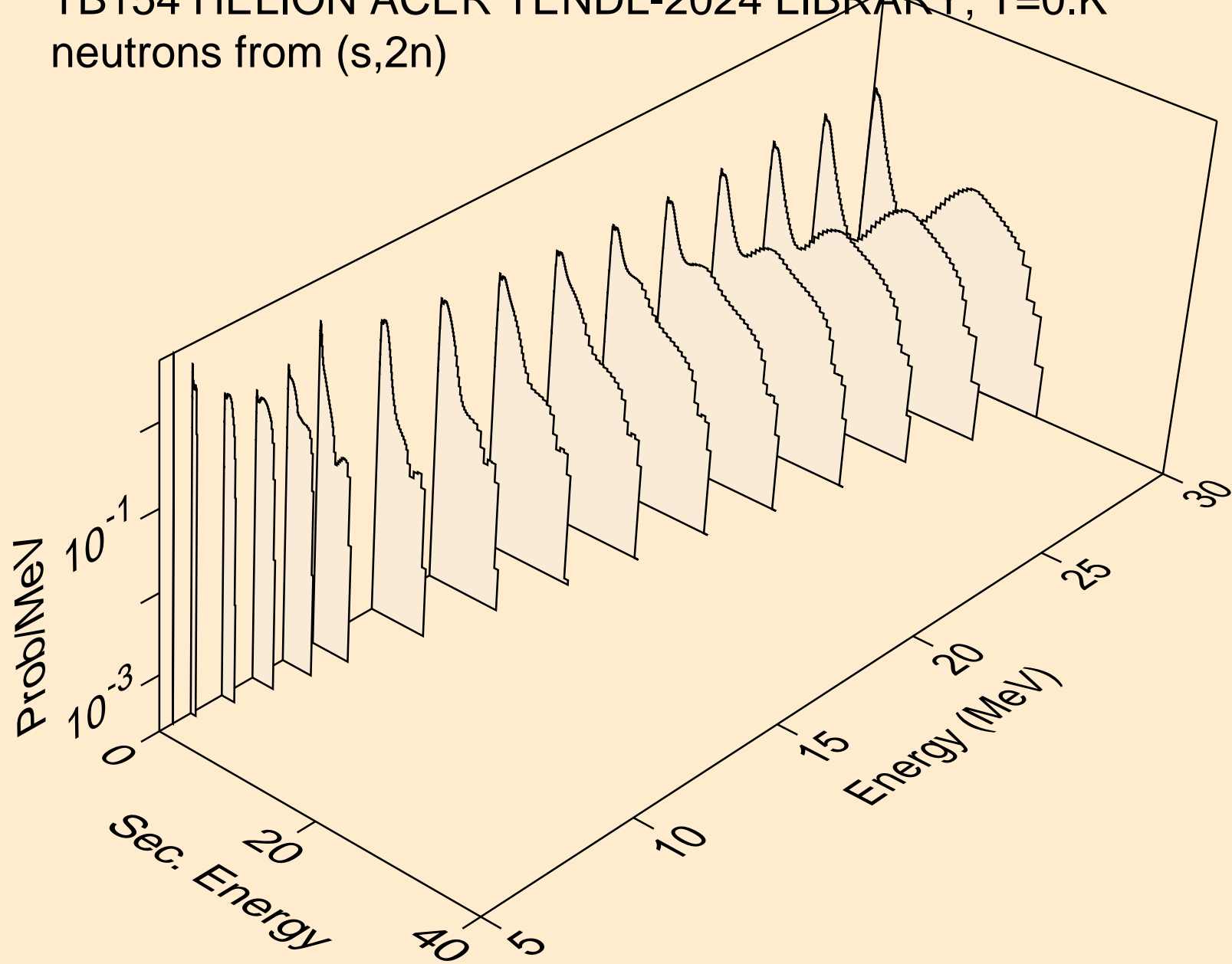
TB154 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,x)



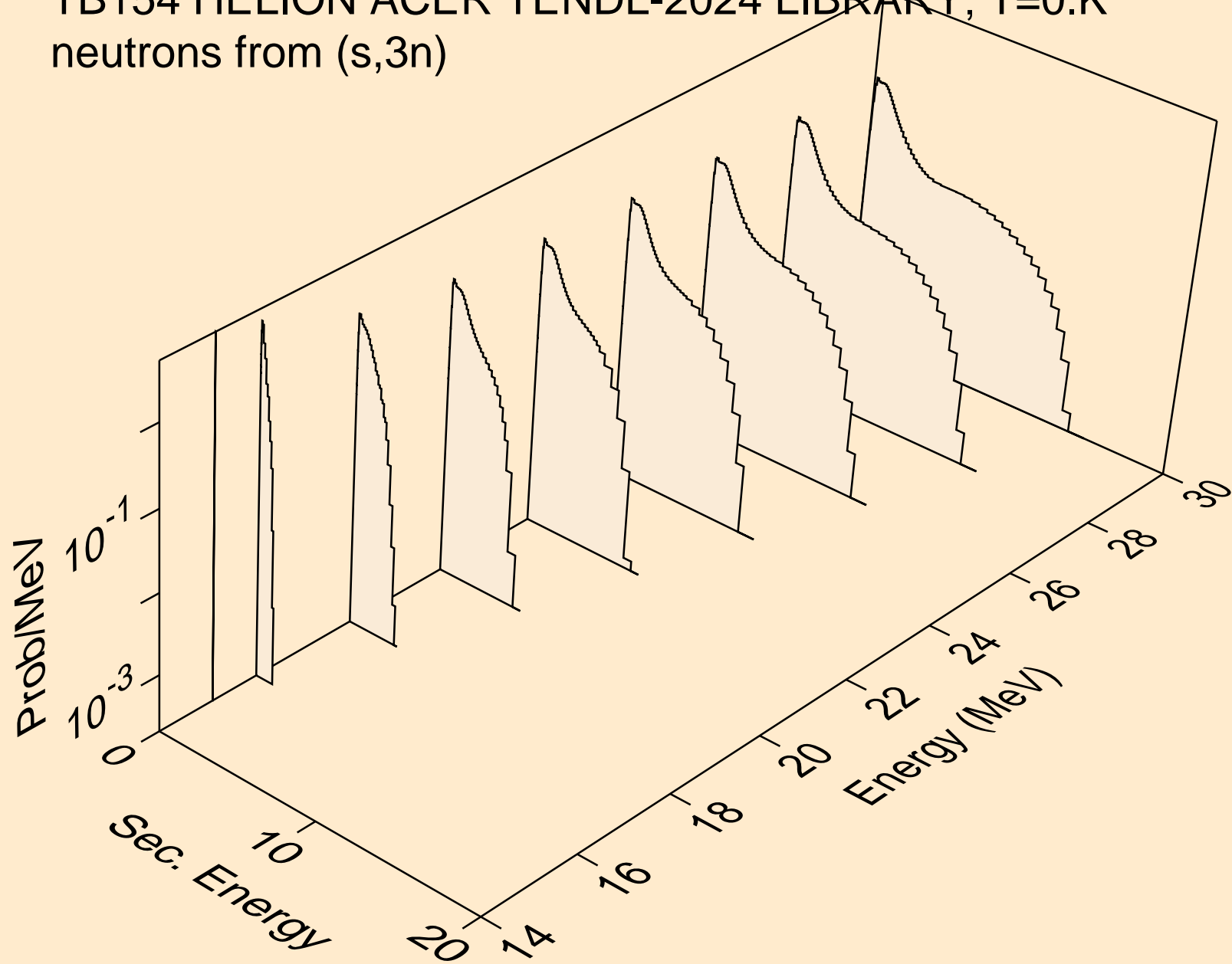
TB154 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,2nd)



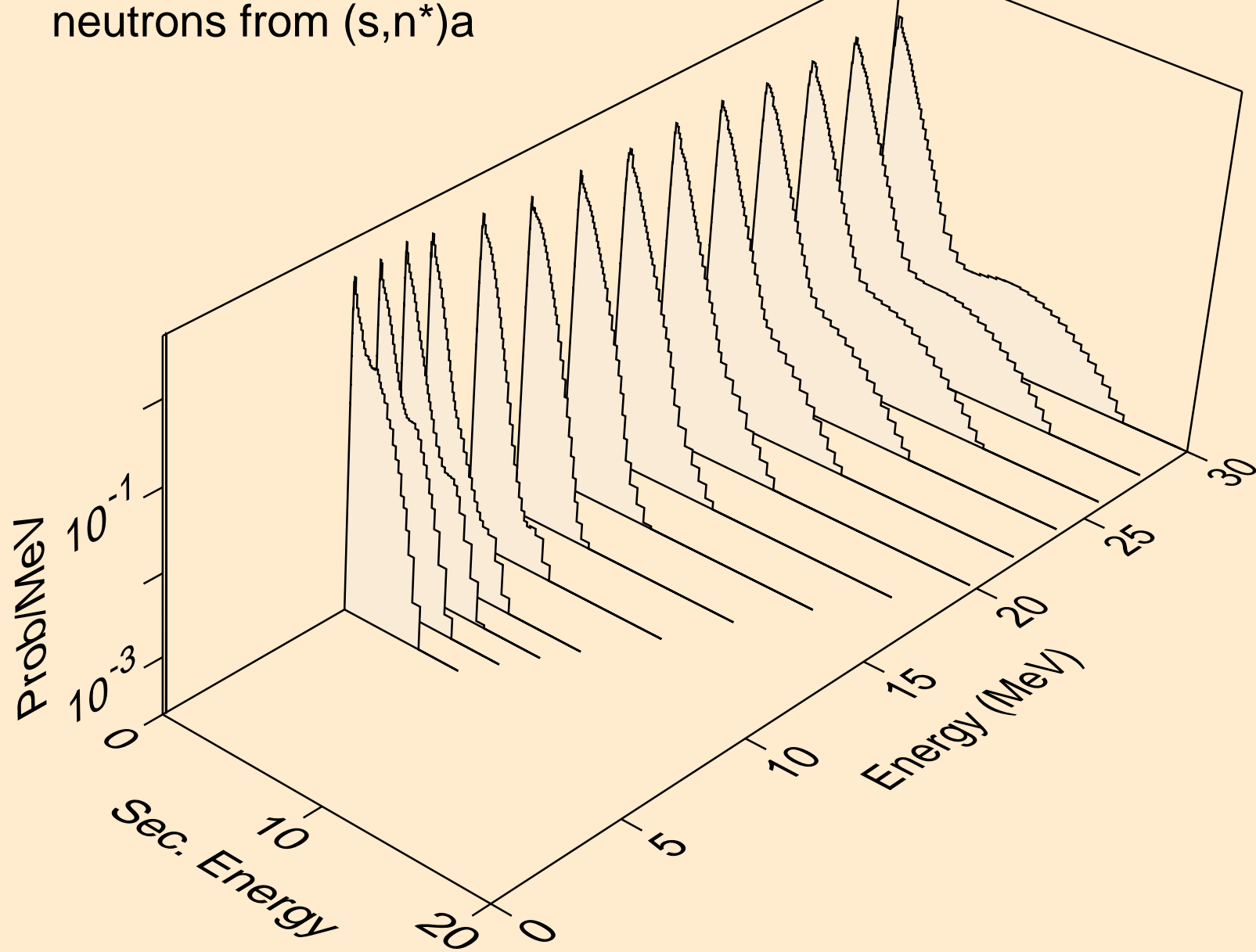
TB154 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,2n)



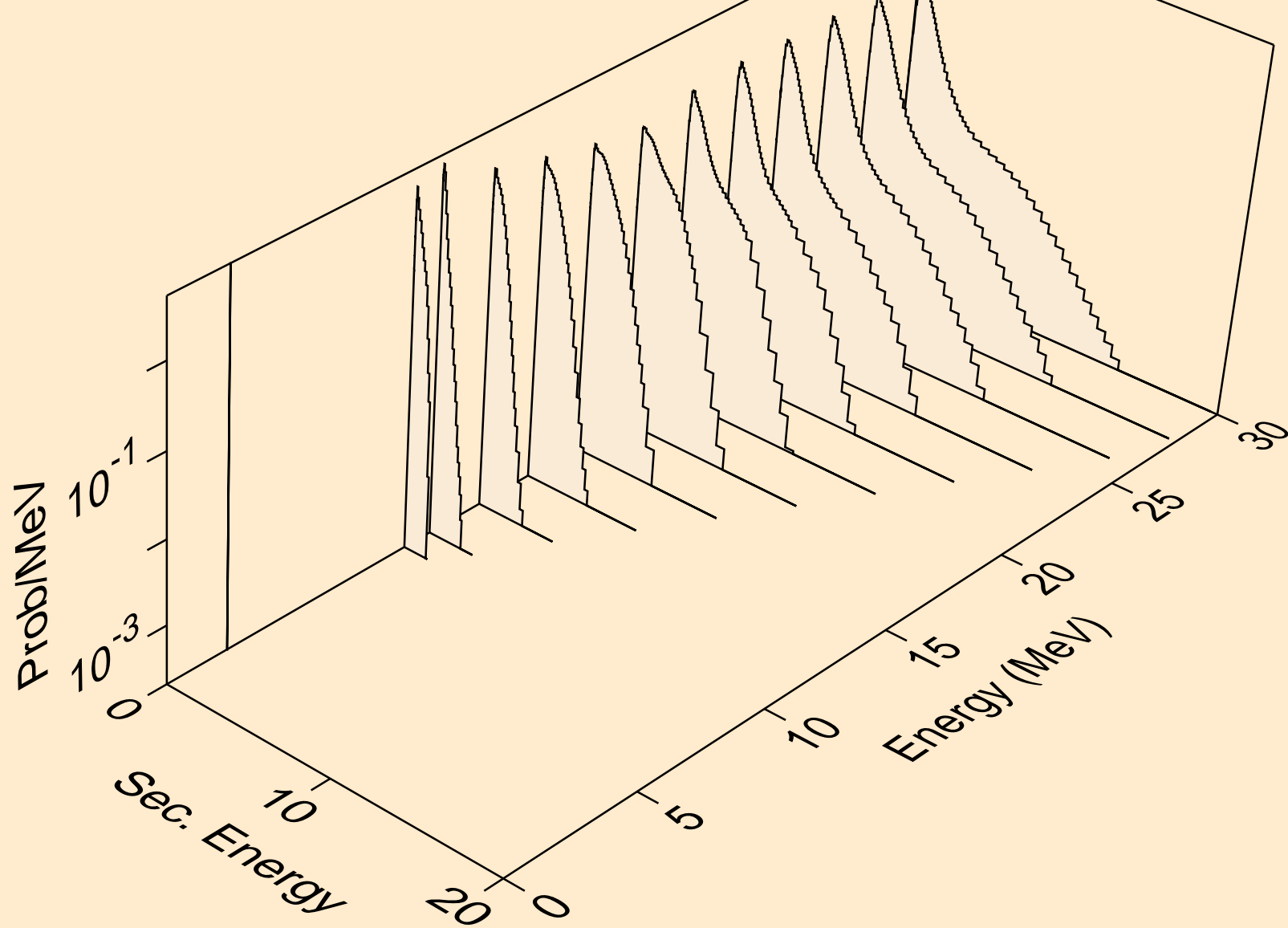
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neutrons from (s,3n)



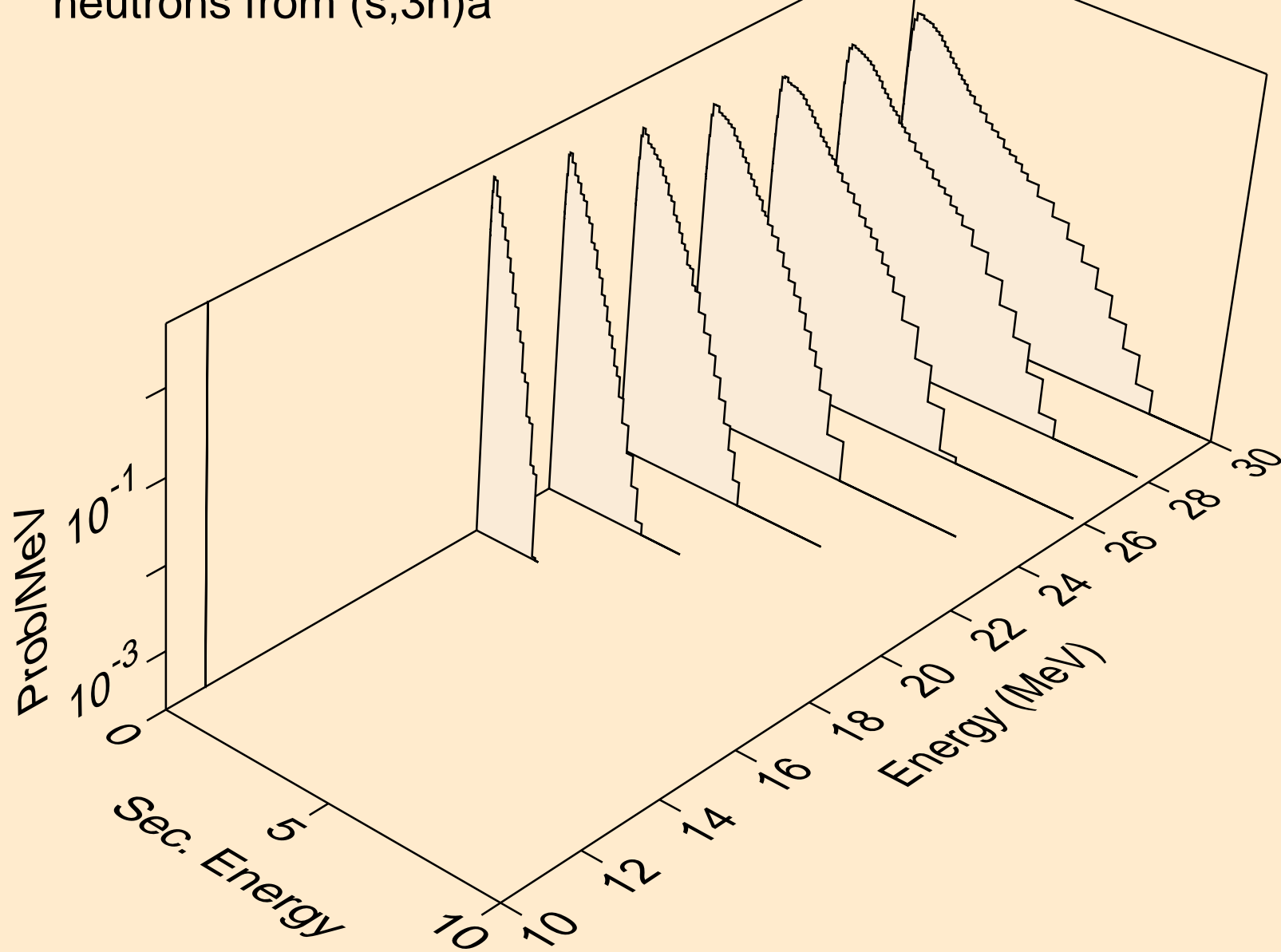
TB154 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)a



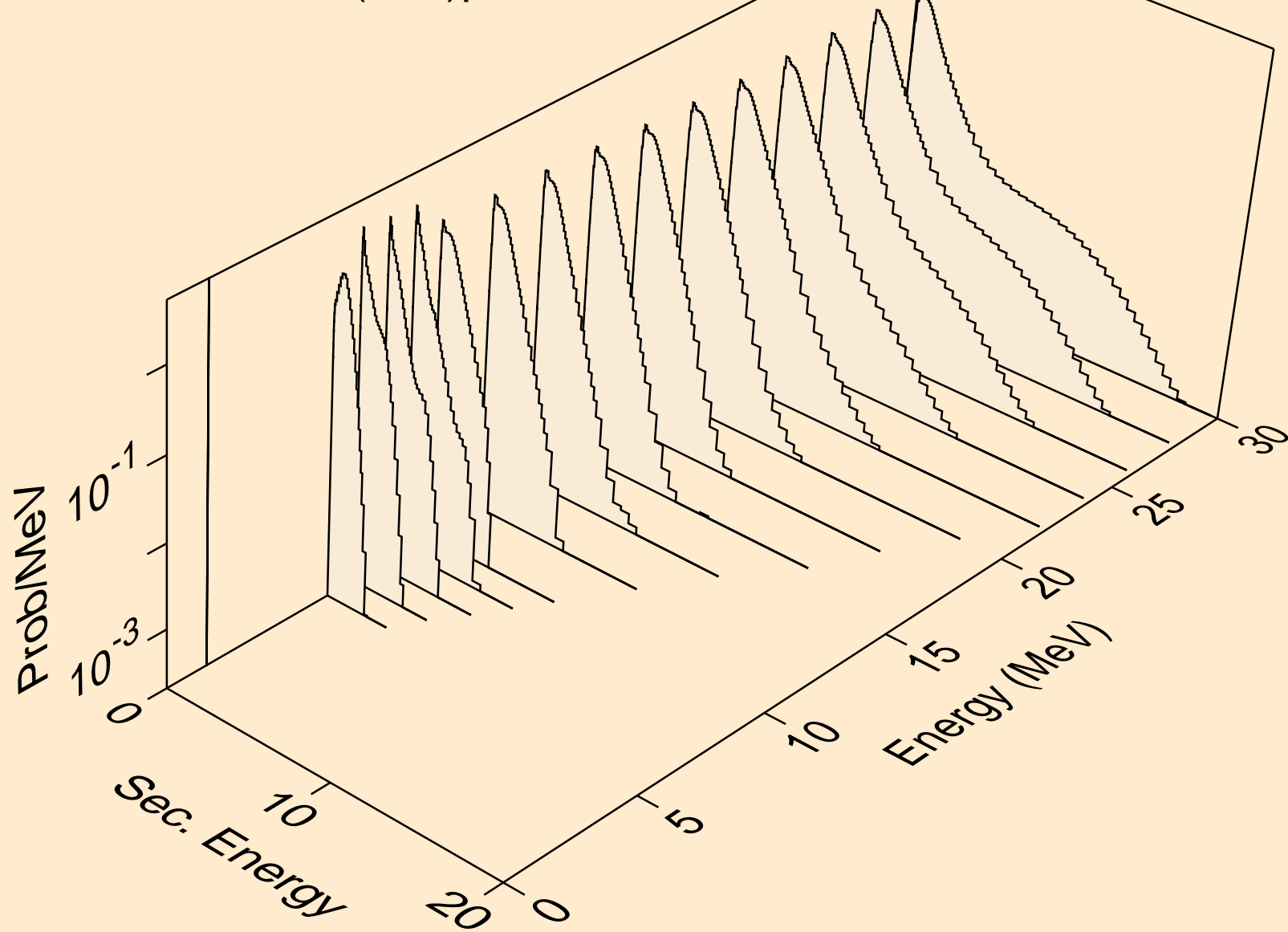
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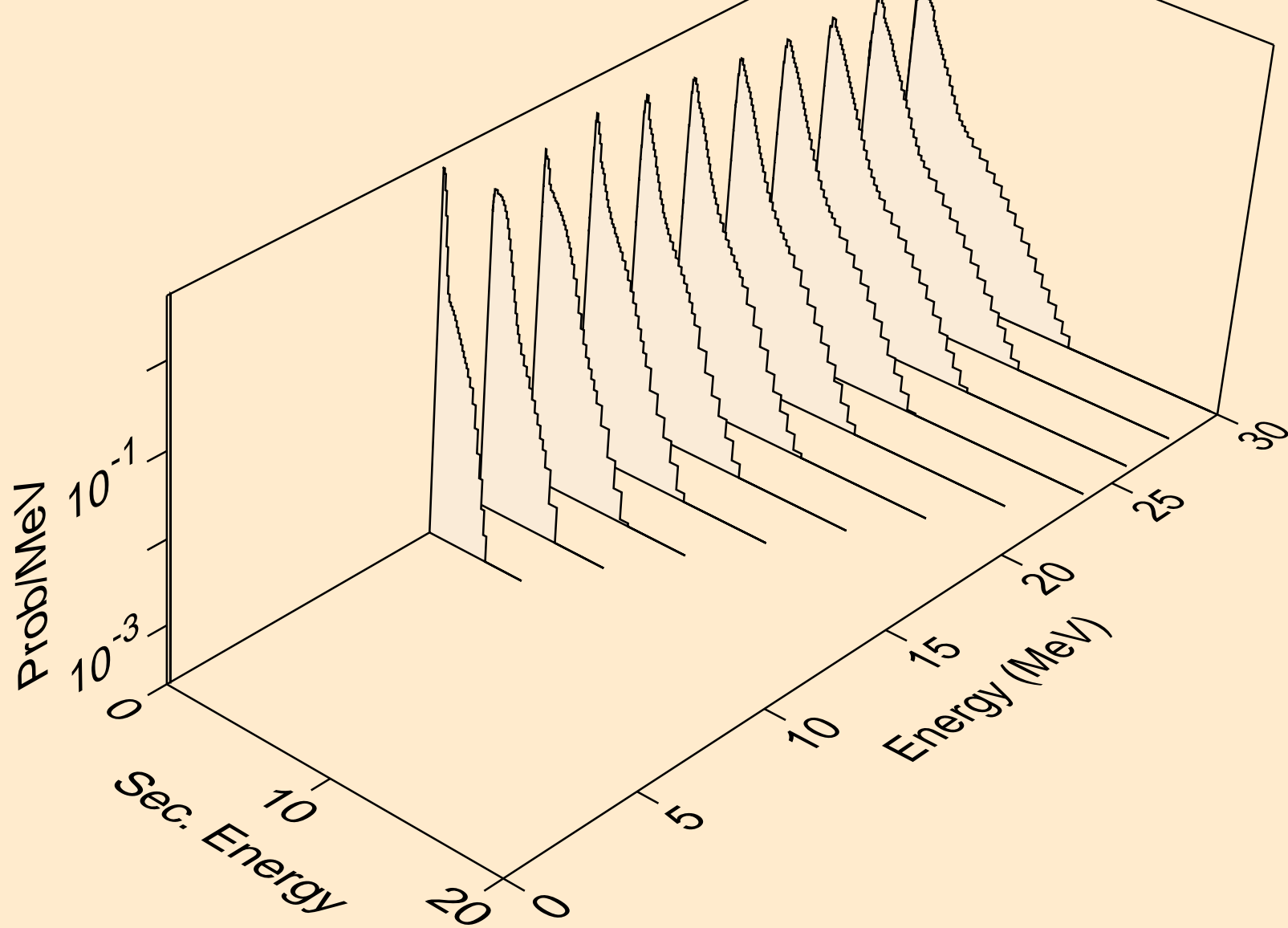
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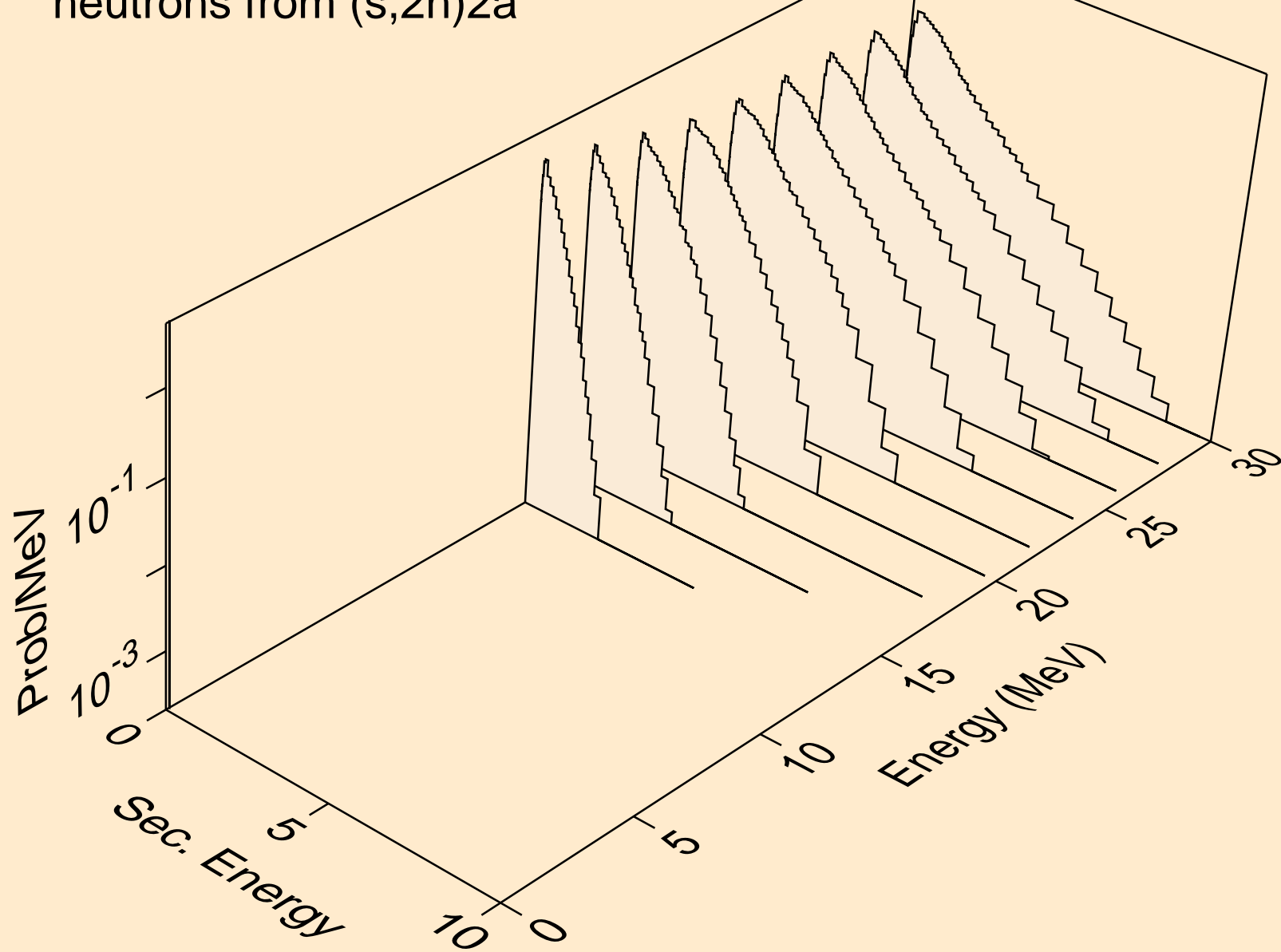
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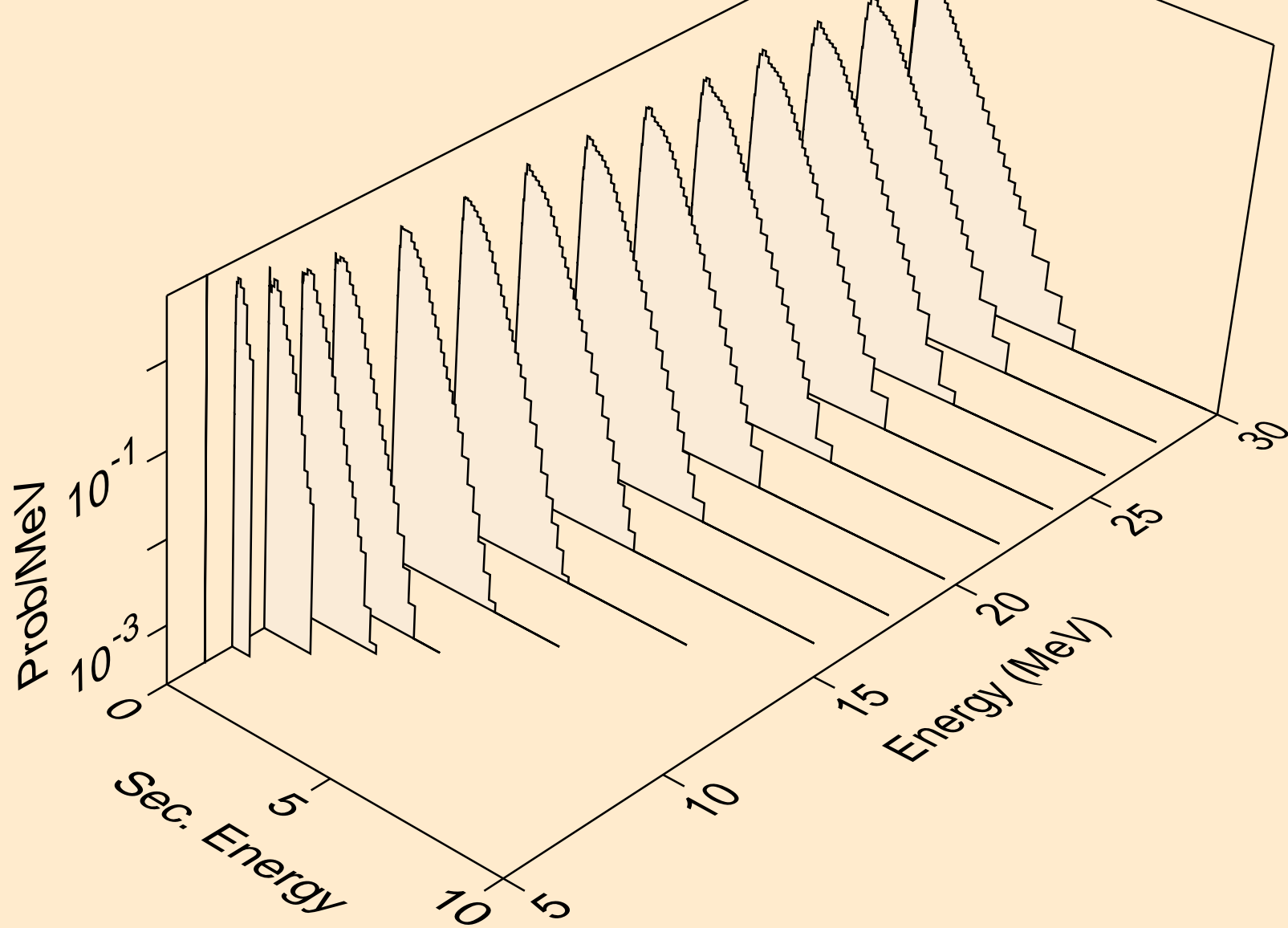
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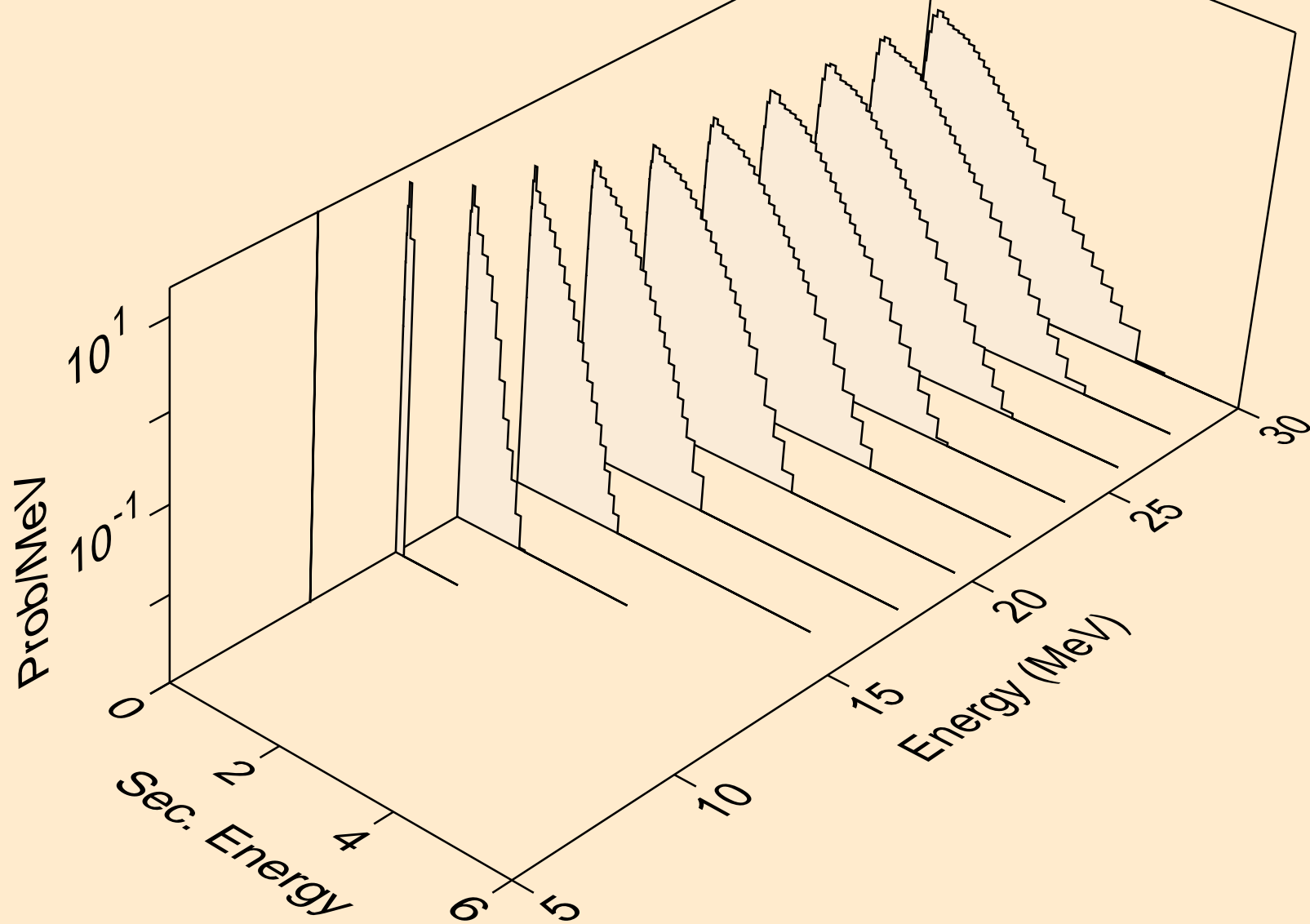
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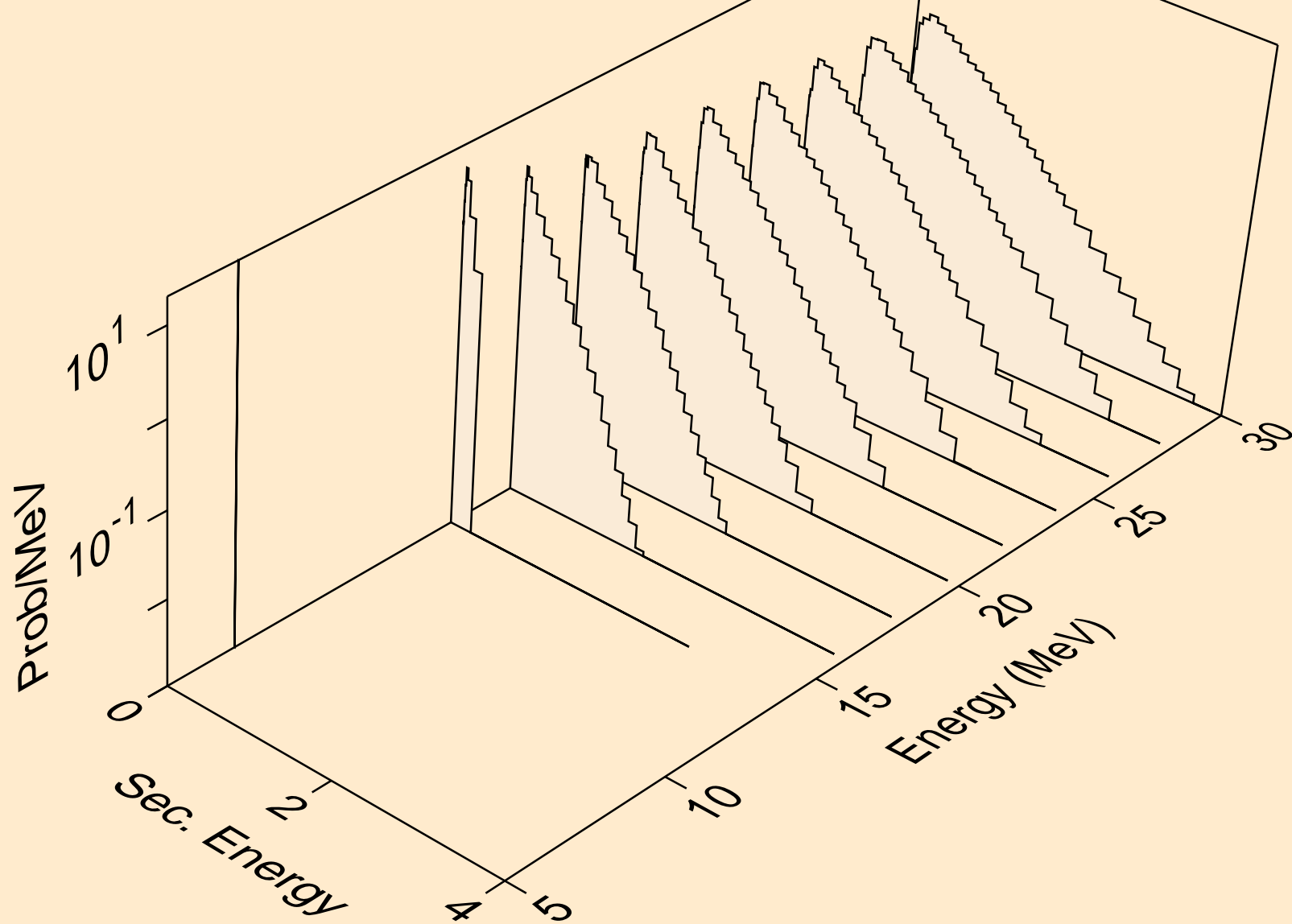
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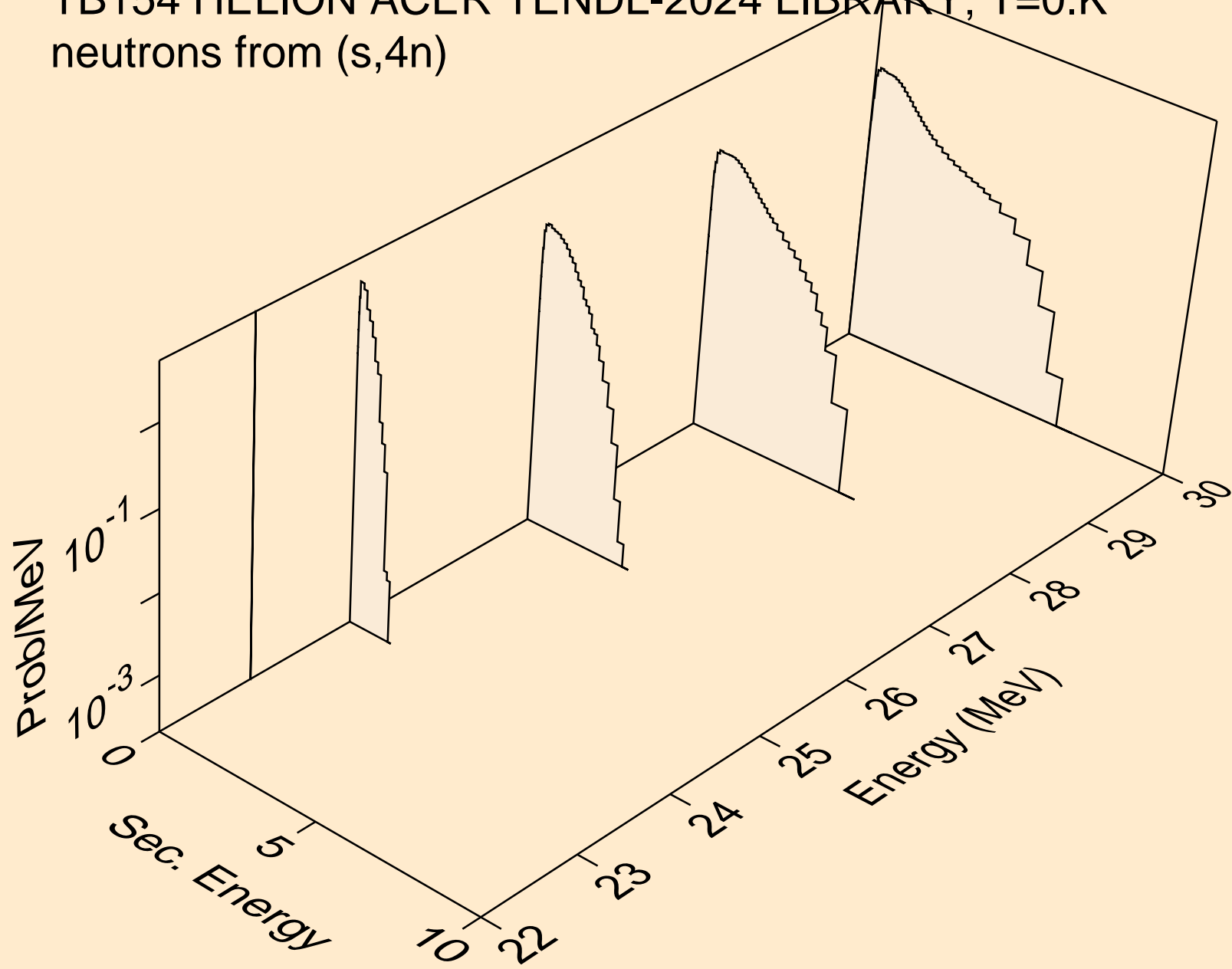
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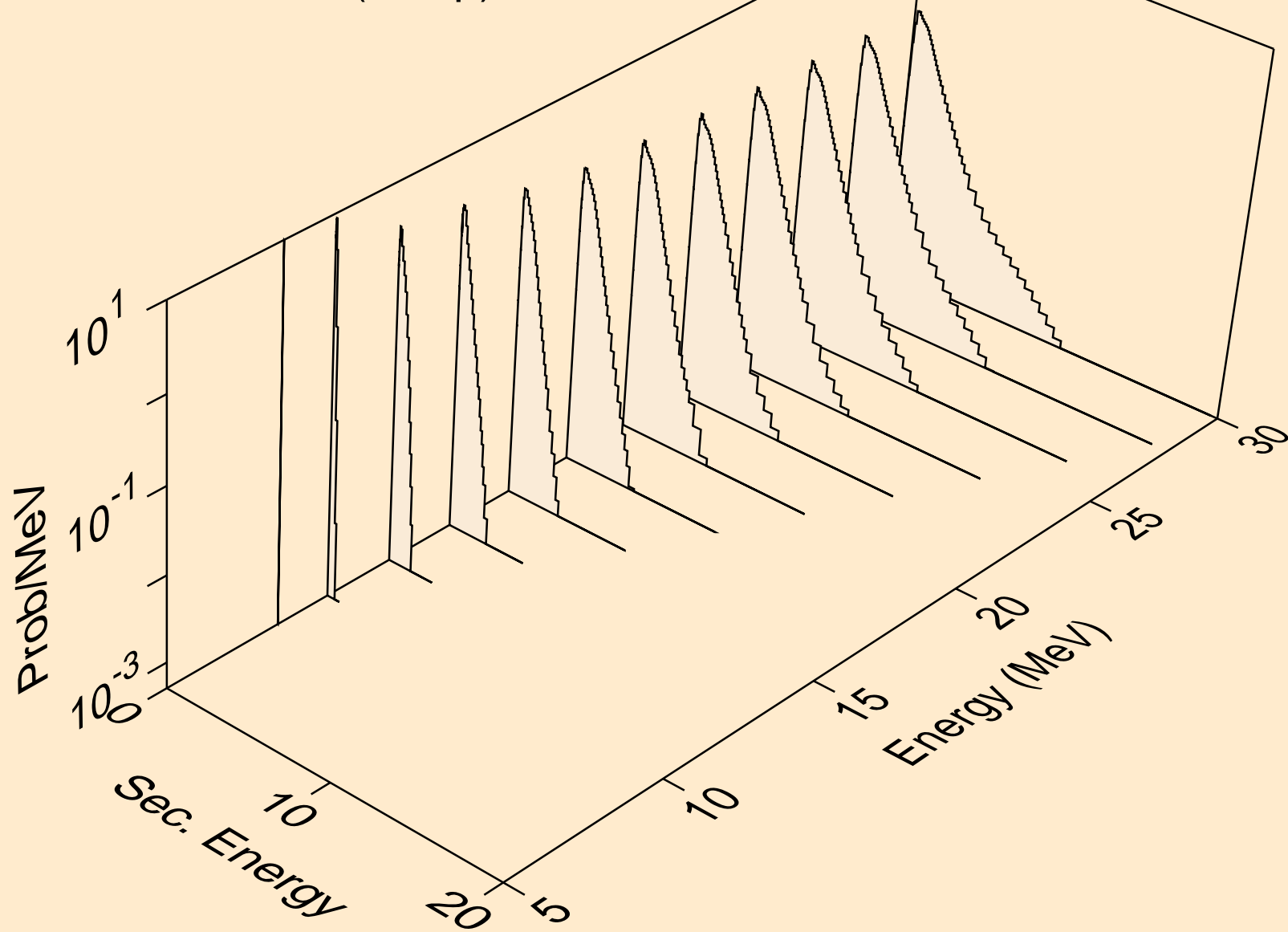
TB154 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)he3



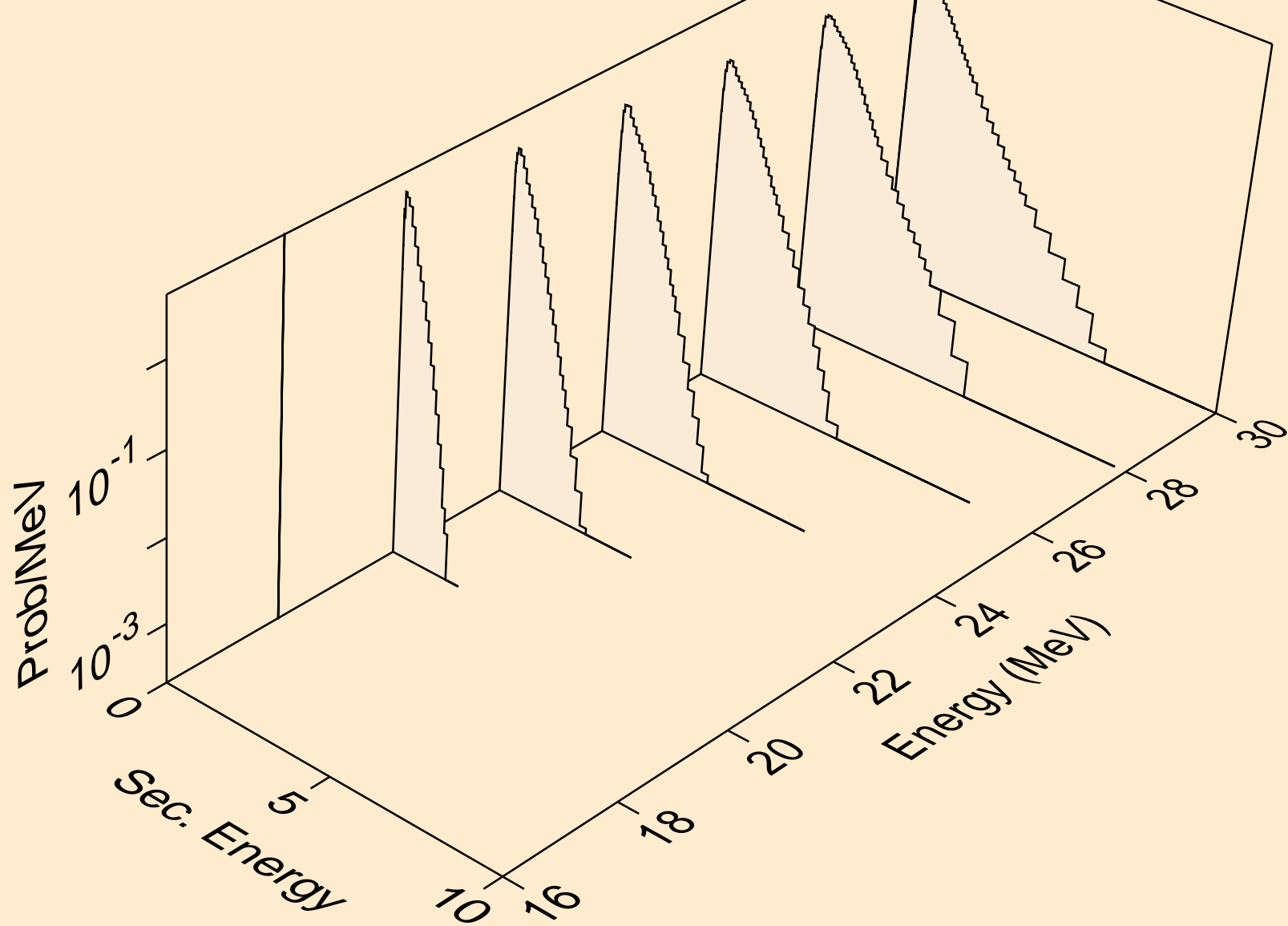
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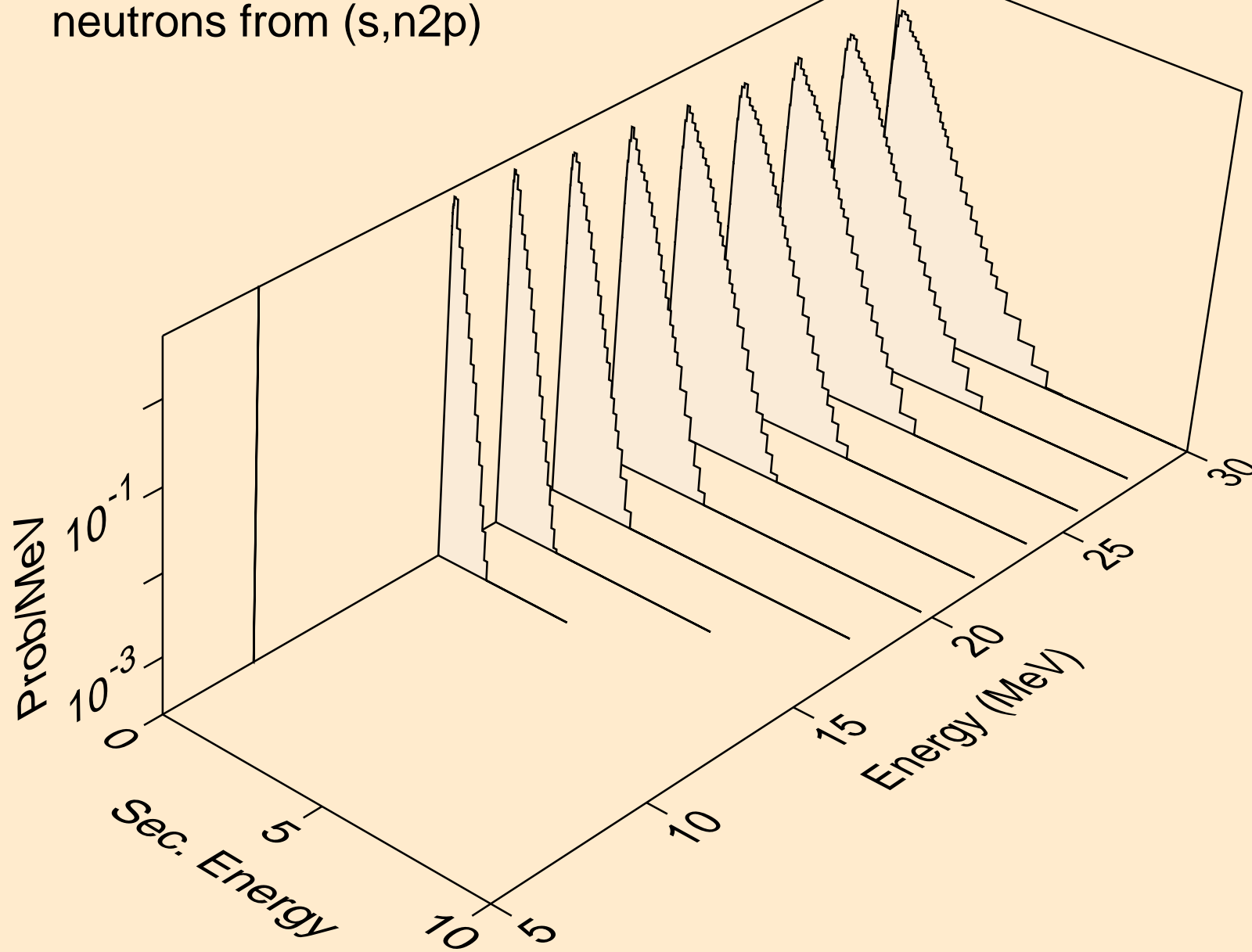
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neutrons from (s,2np)



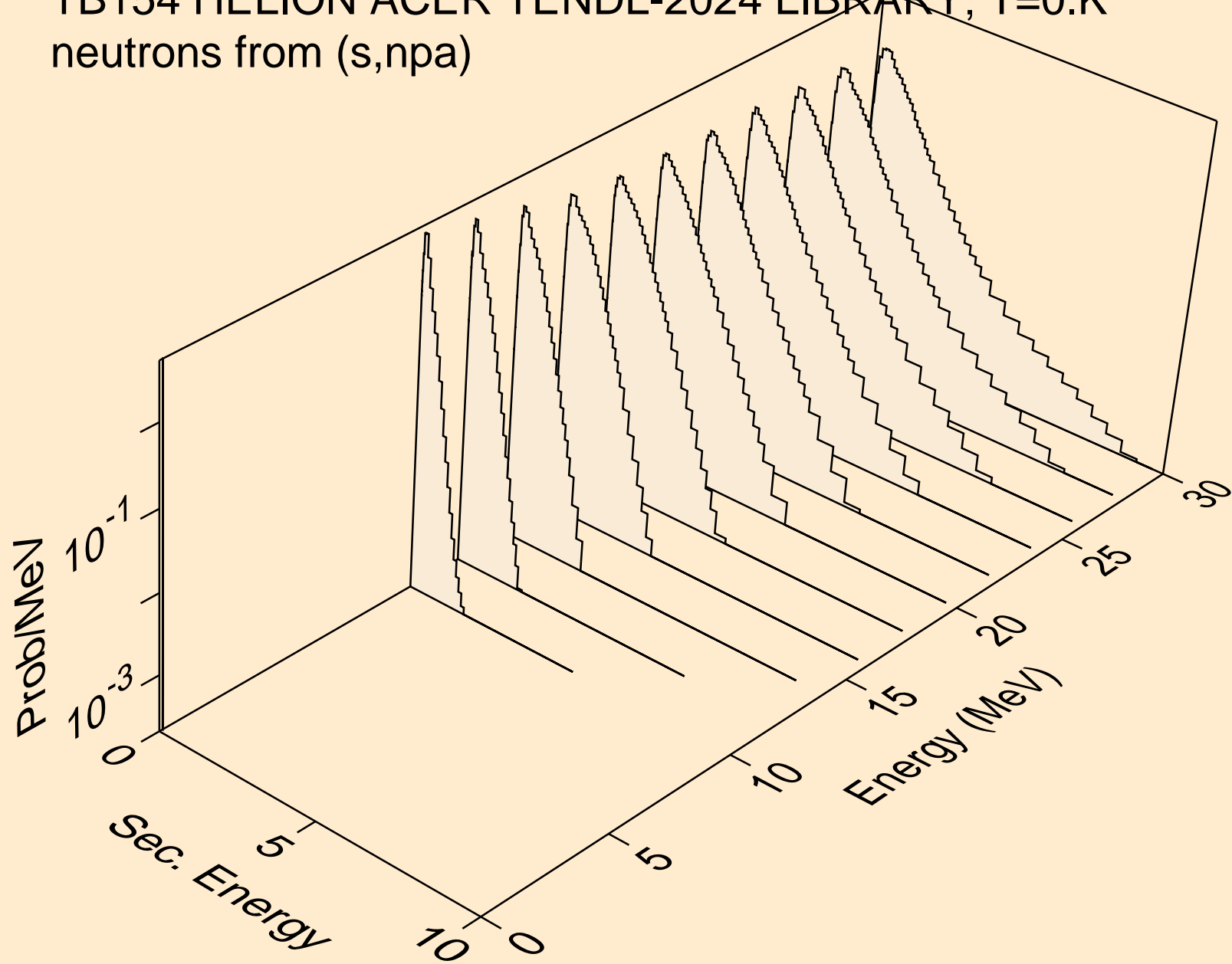
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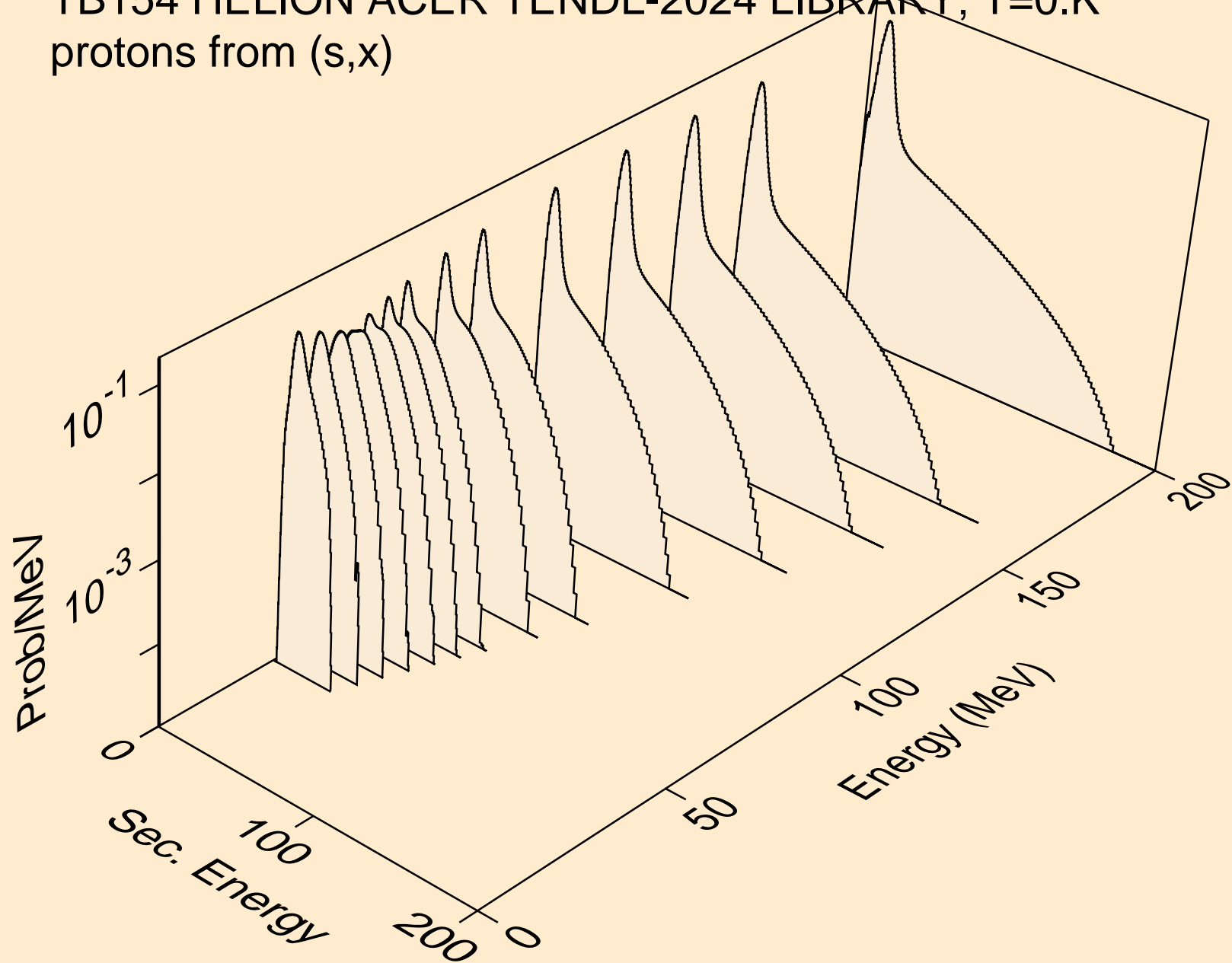
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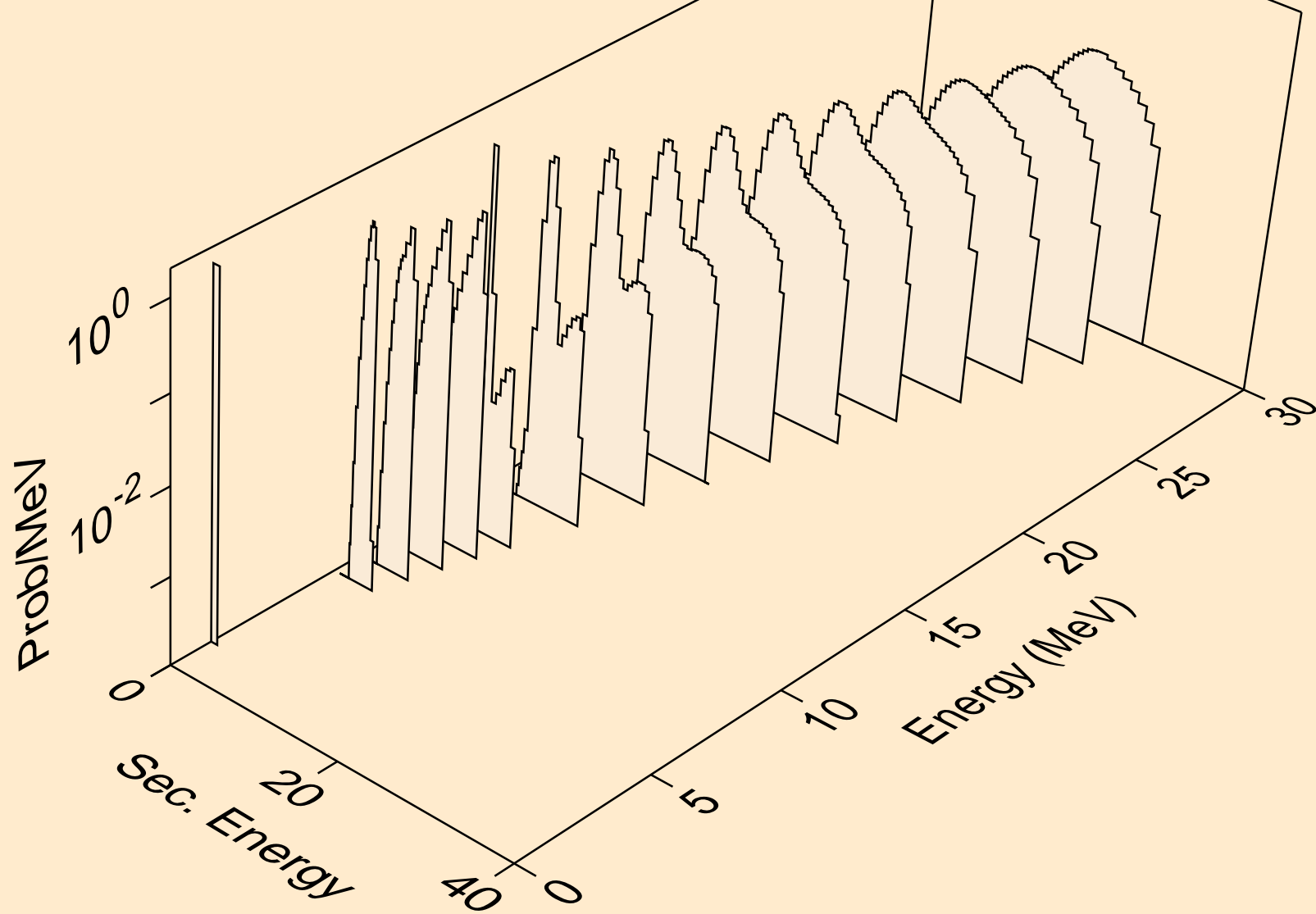
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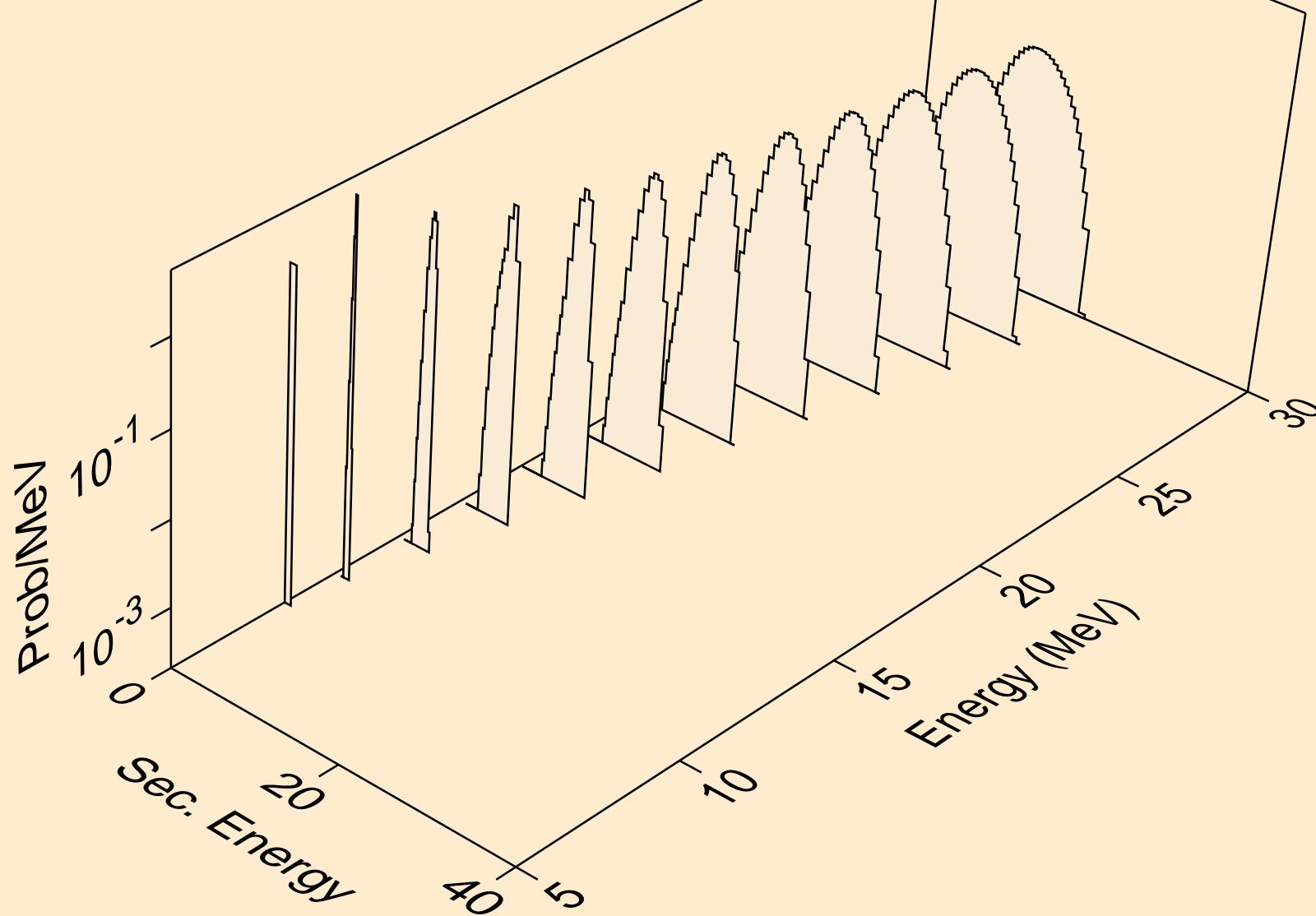
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protons from (s,x)



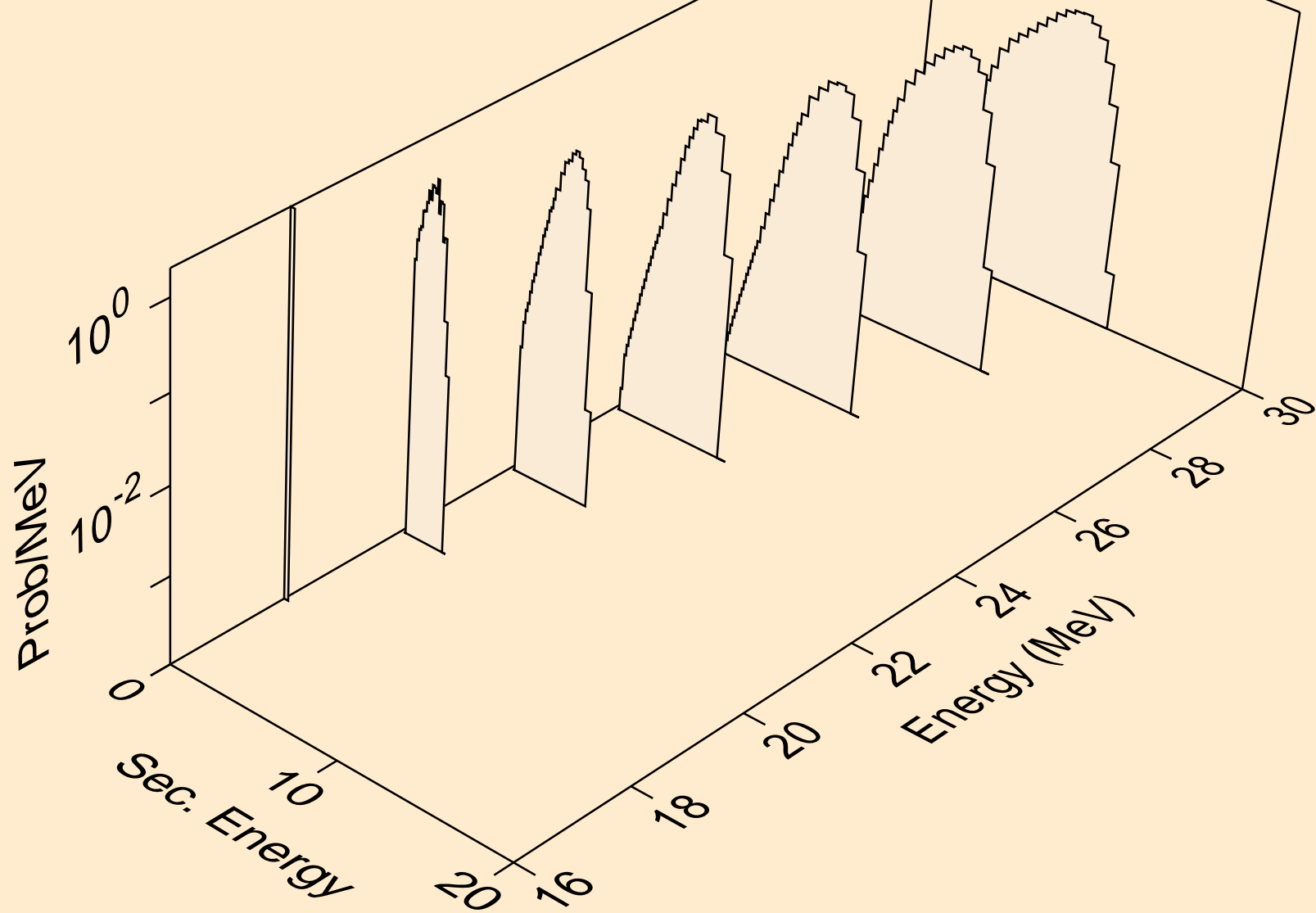
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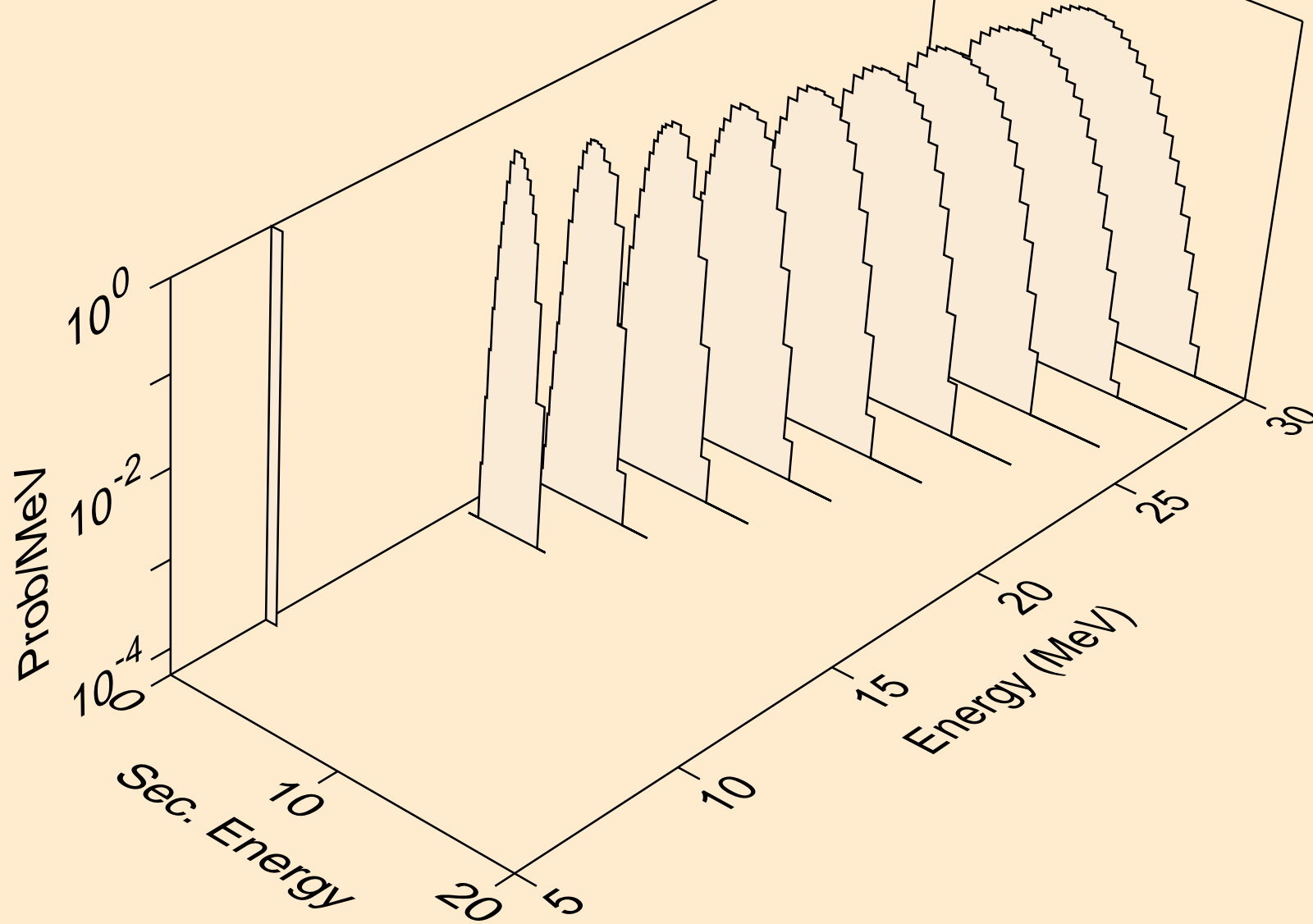
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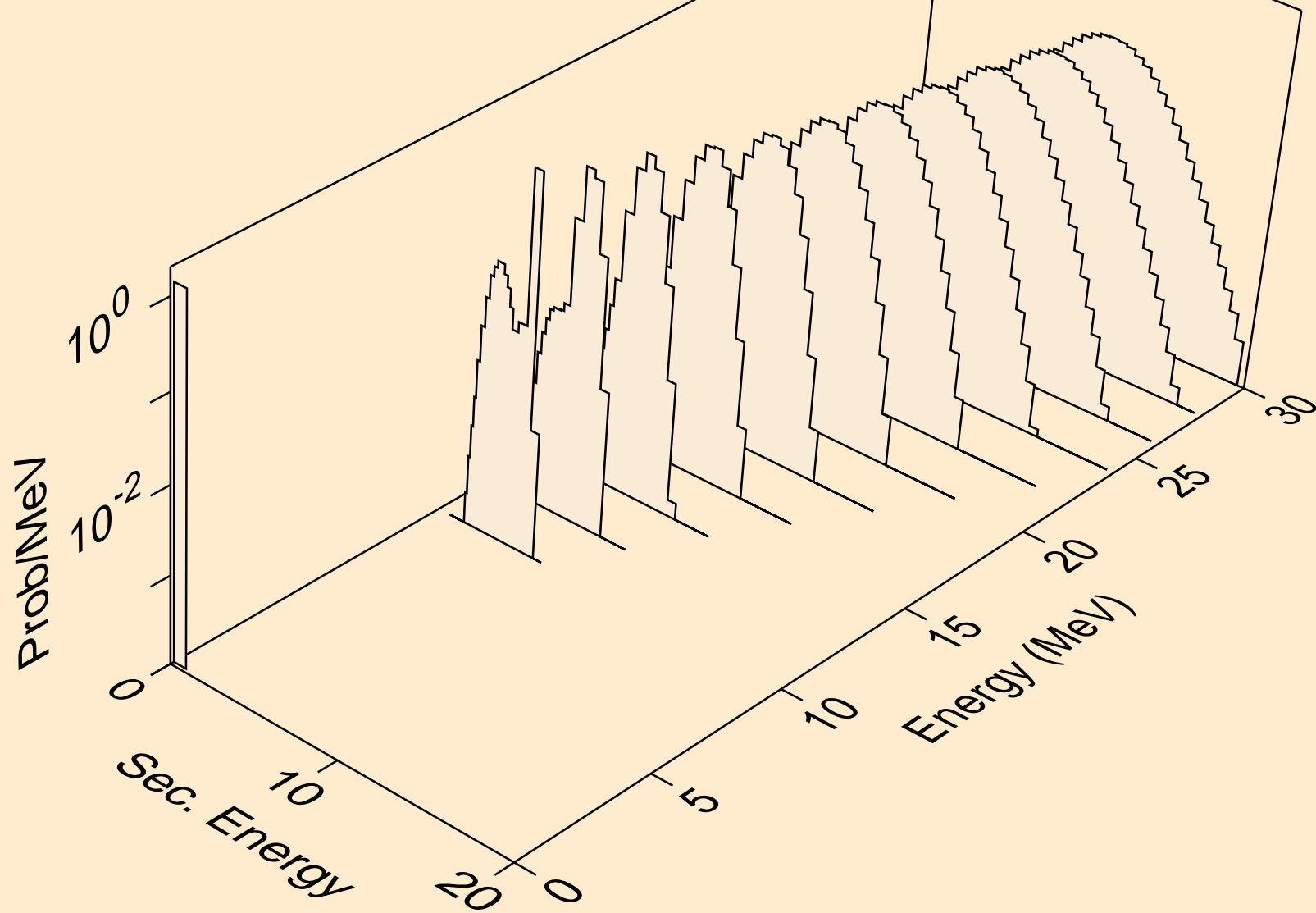
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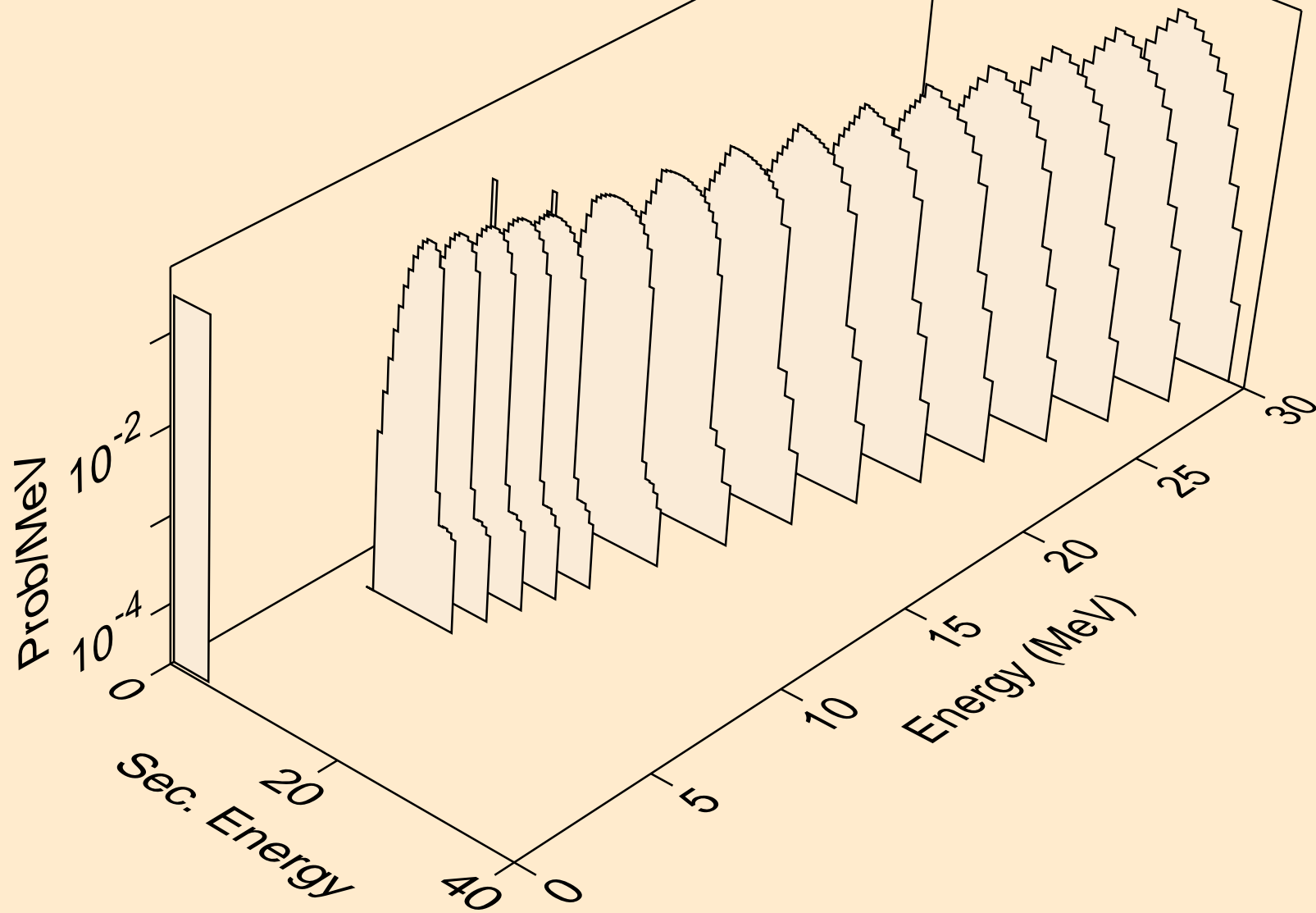
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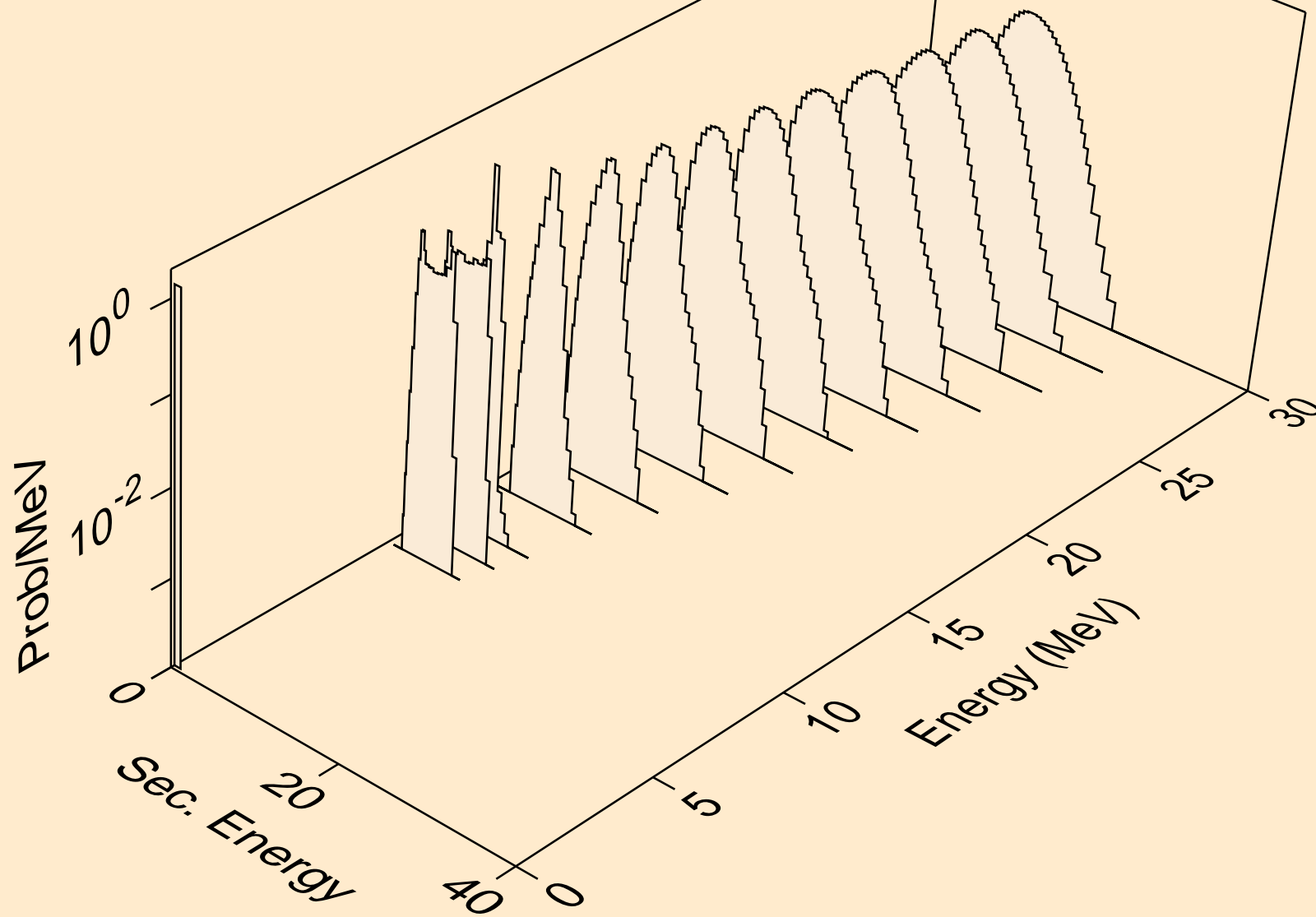
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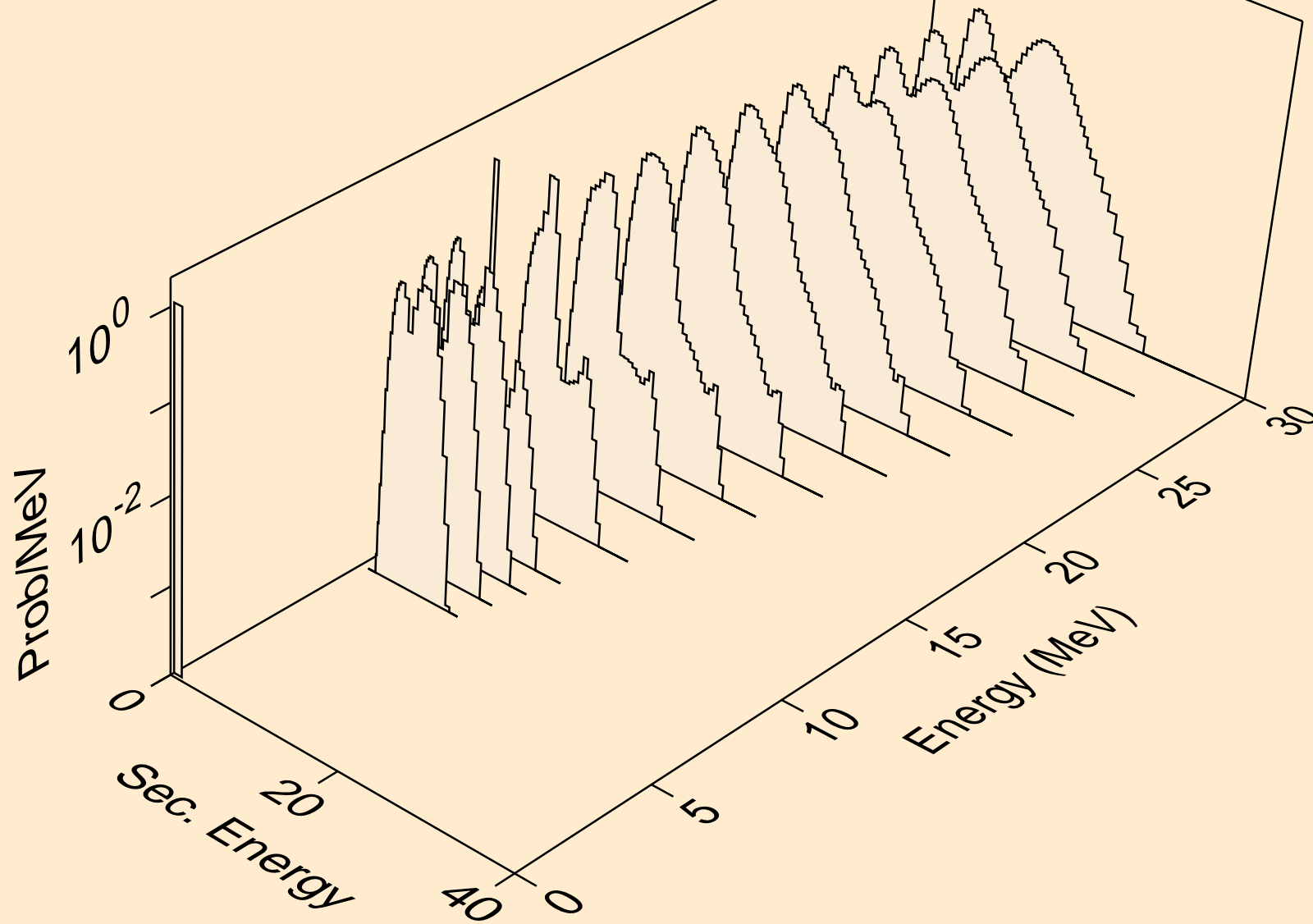
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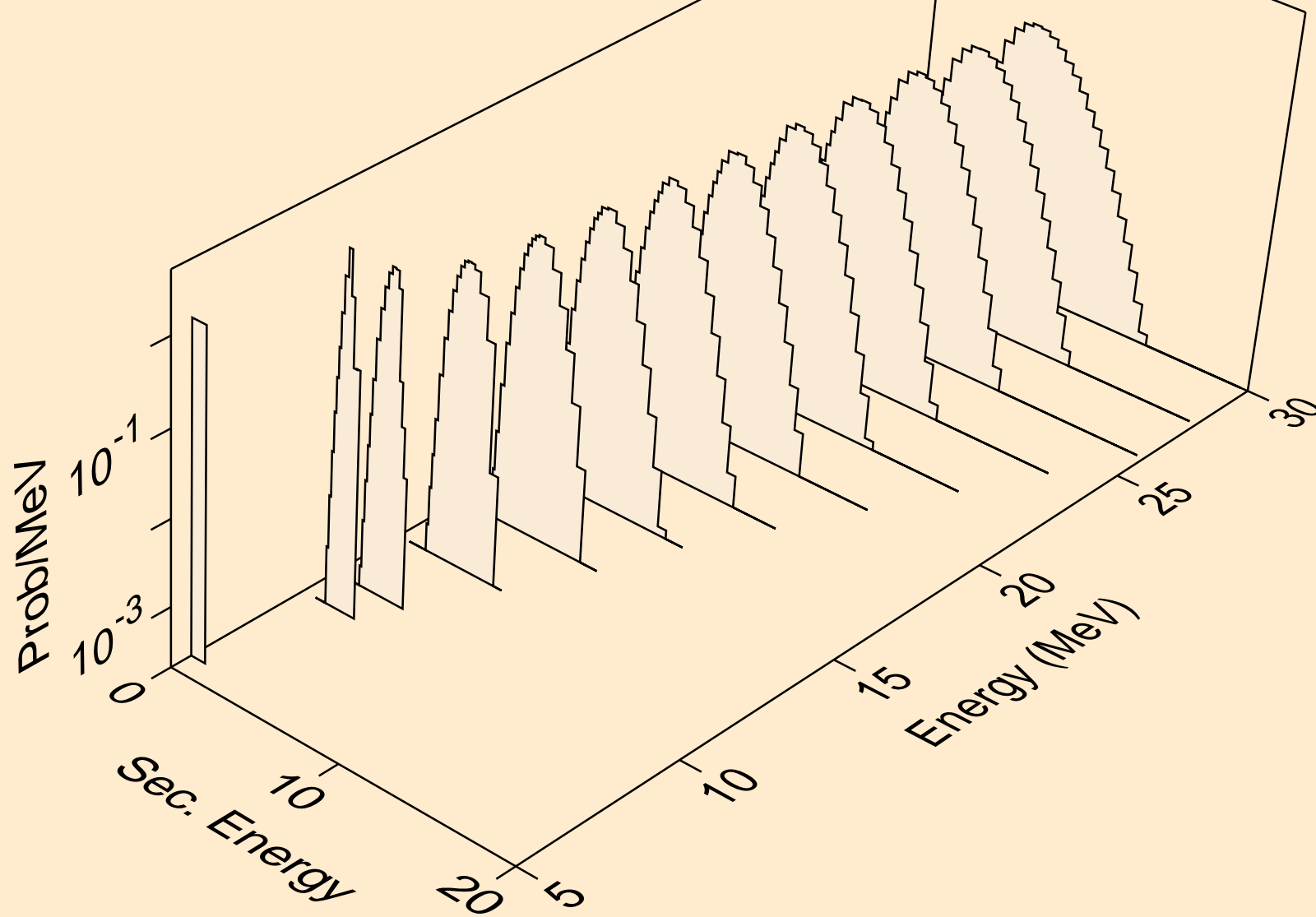
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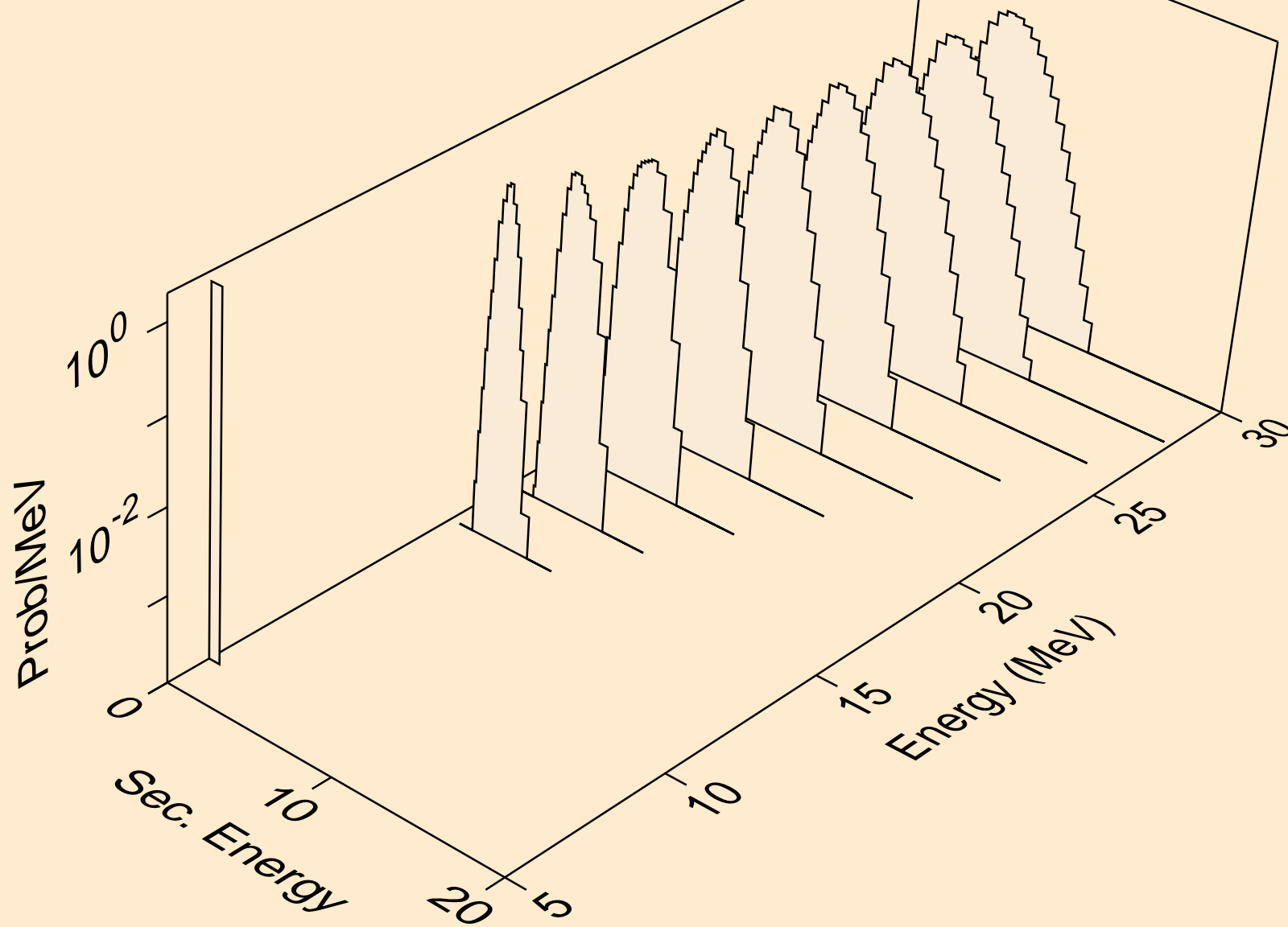
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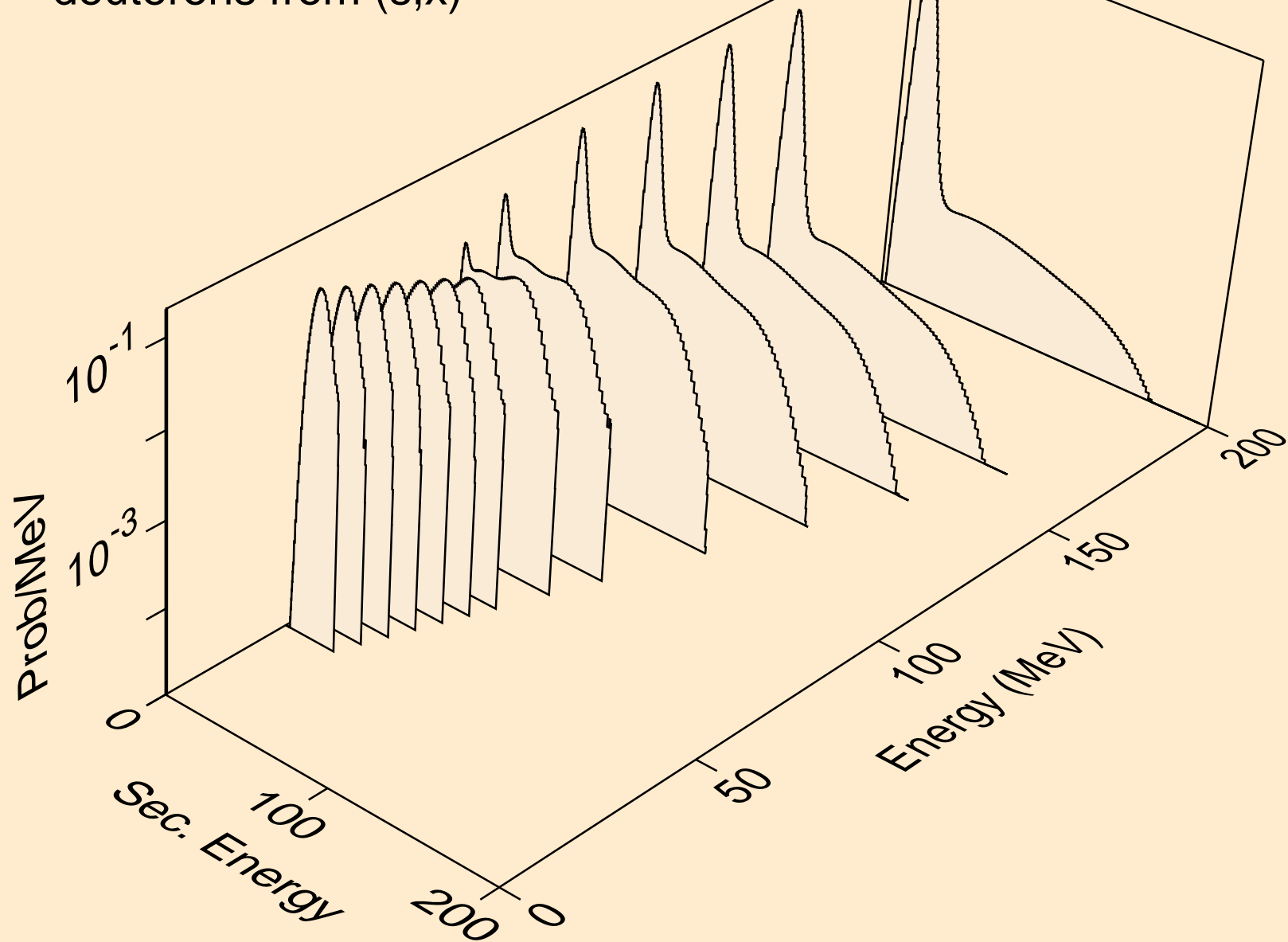
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protons from (s,pd)



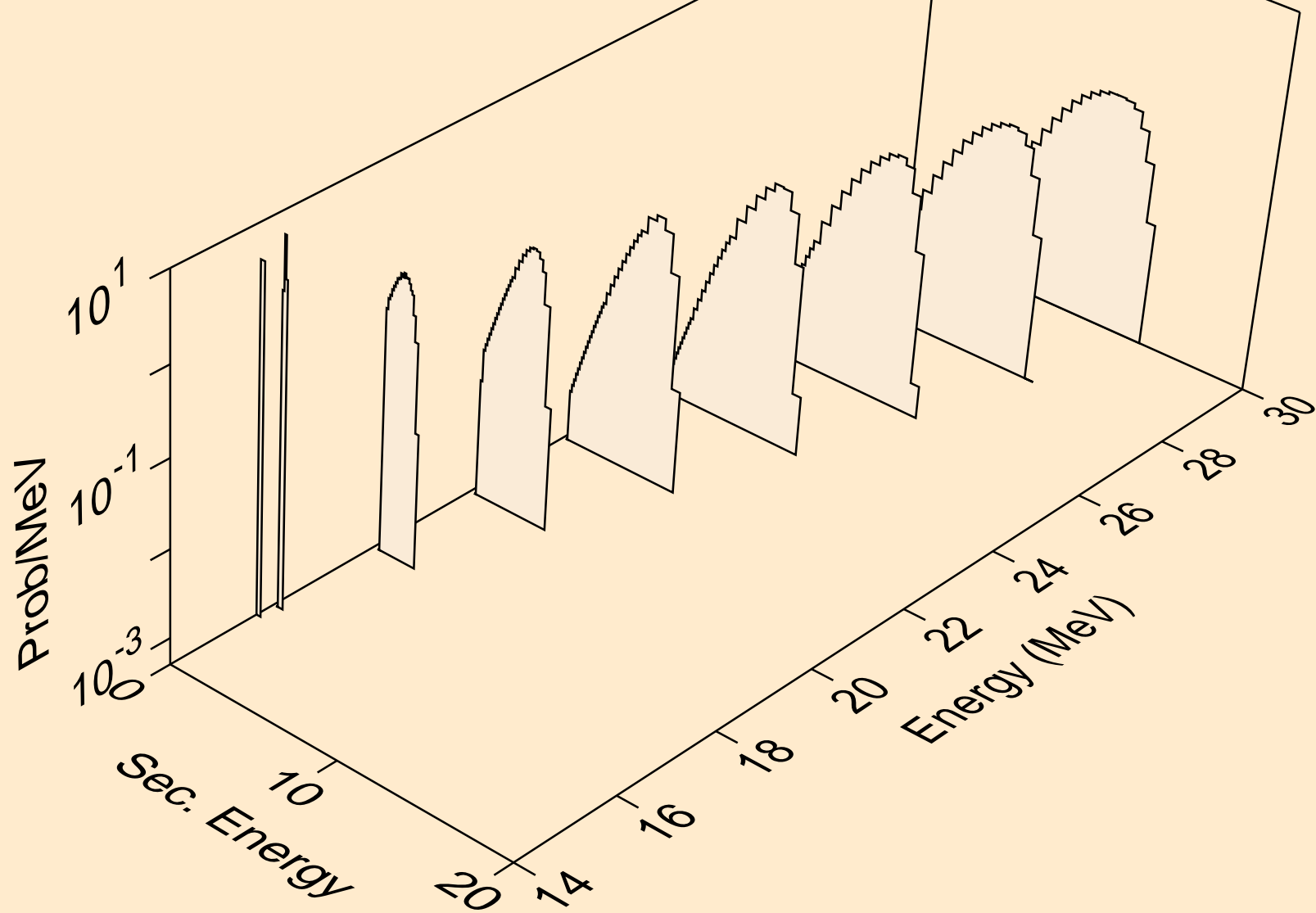
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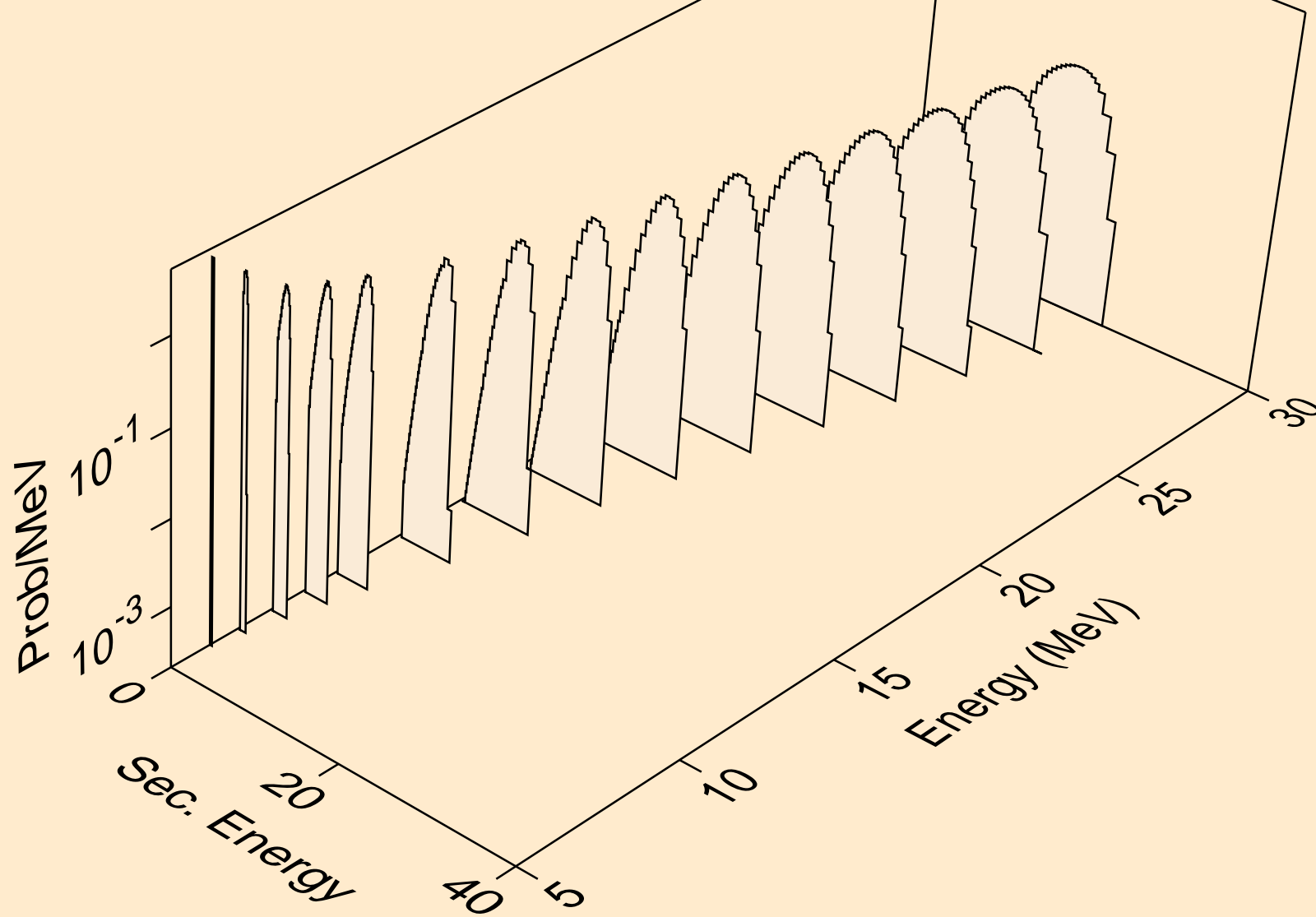
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deuterons from (s,x)



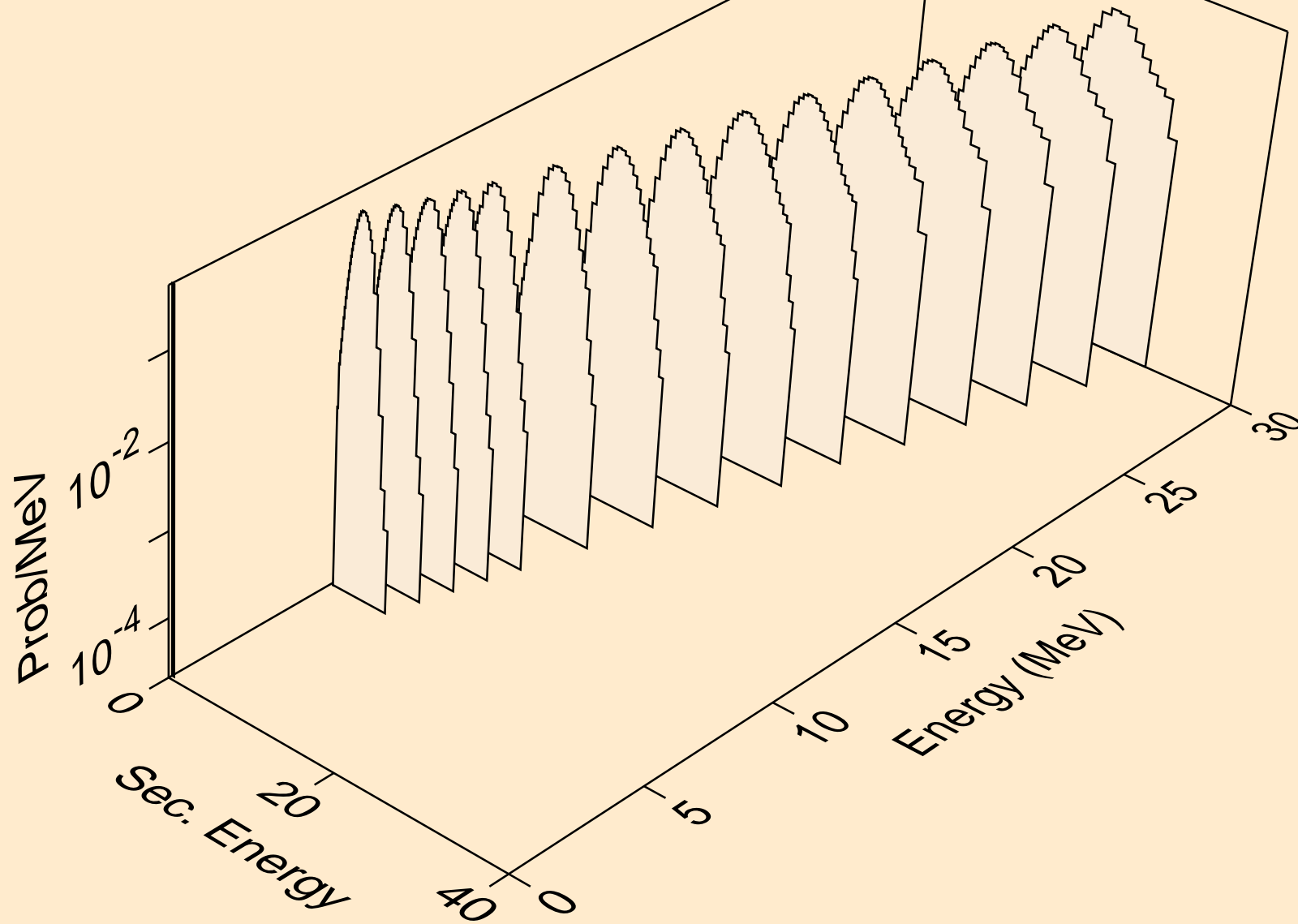
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deuterons from (s,2nd)



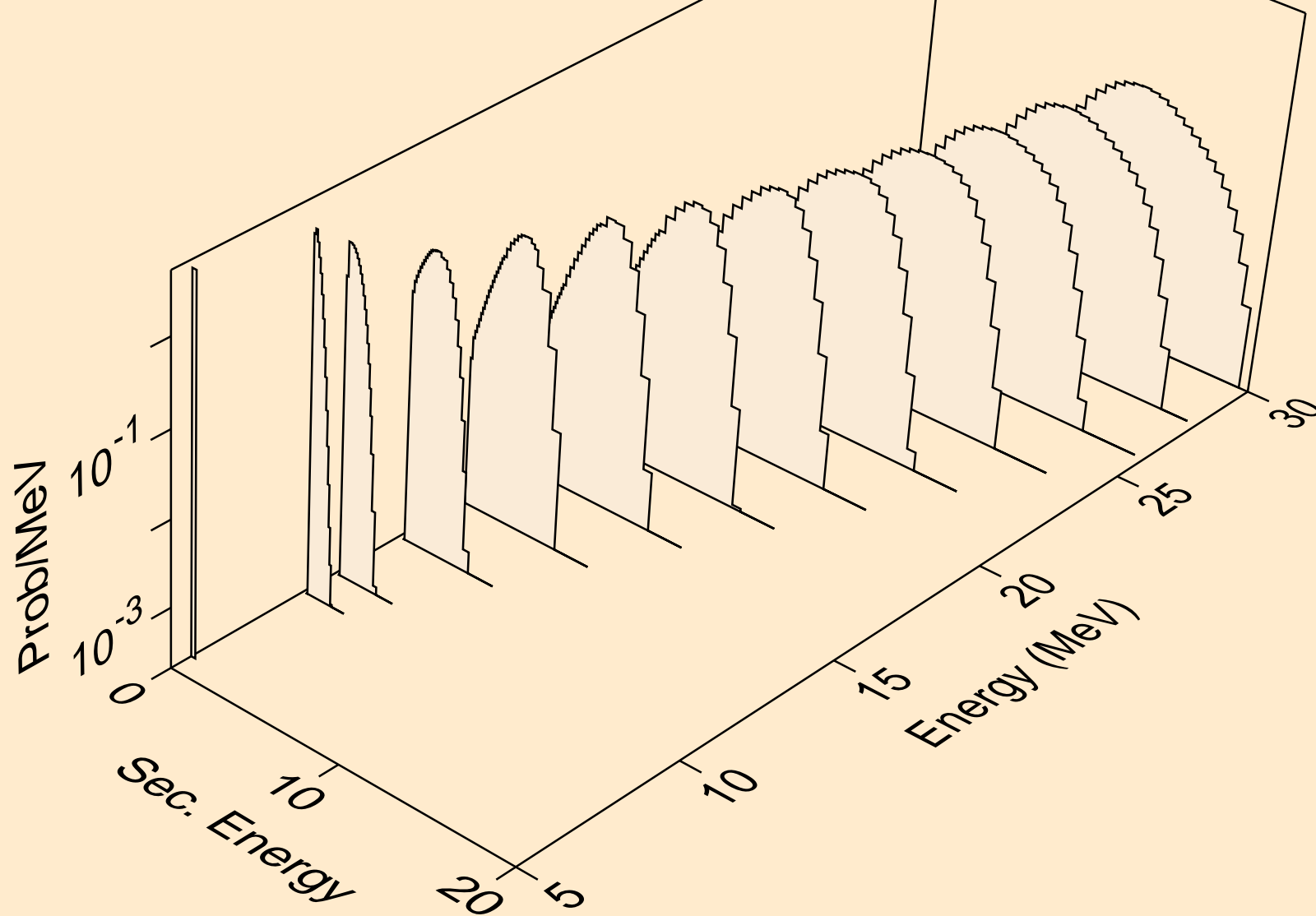
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deuterons from (s,n\*)d



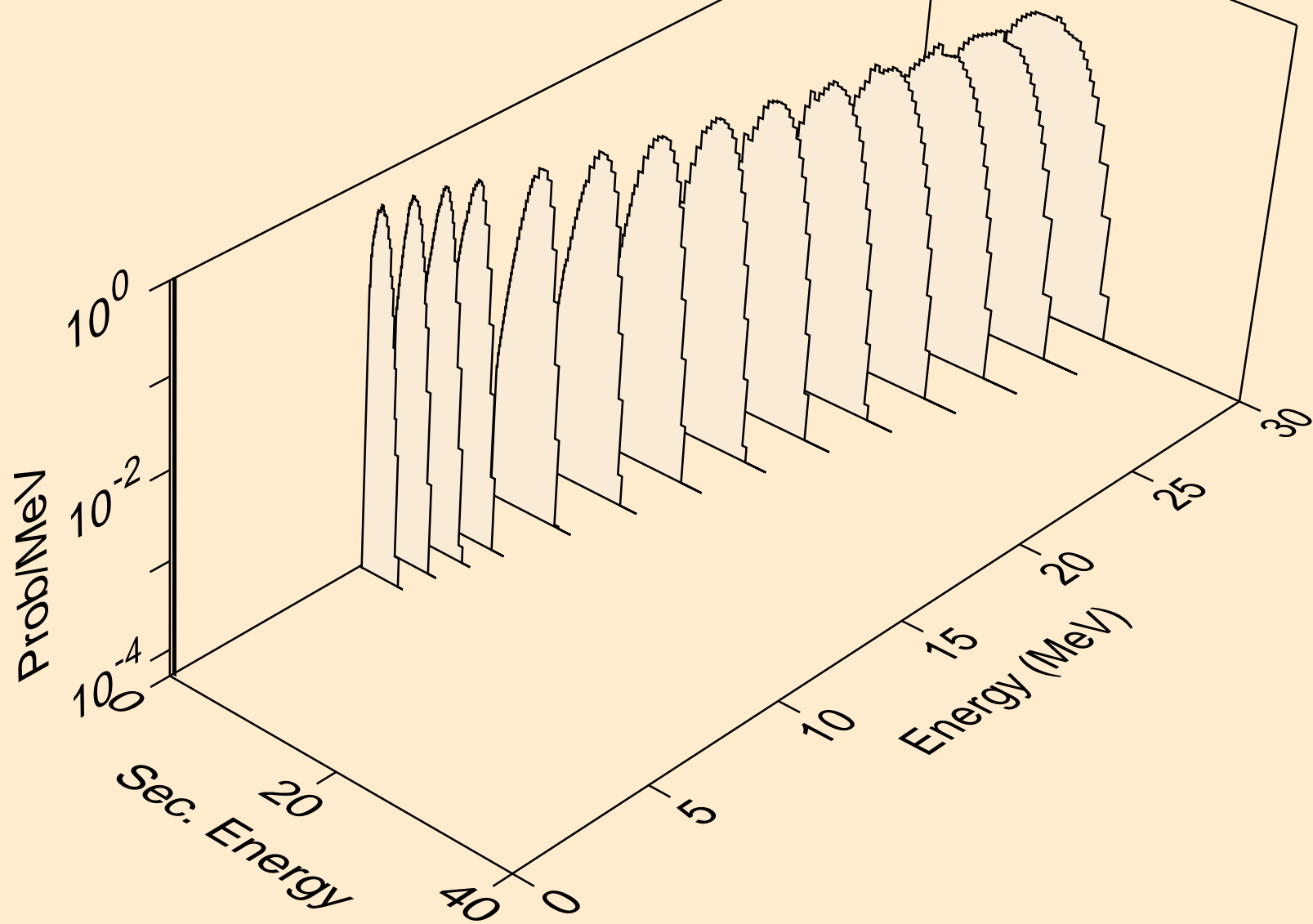
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deuterons from (s,d)



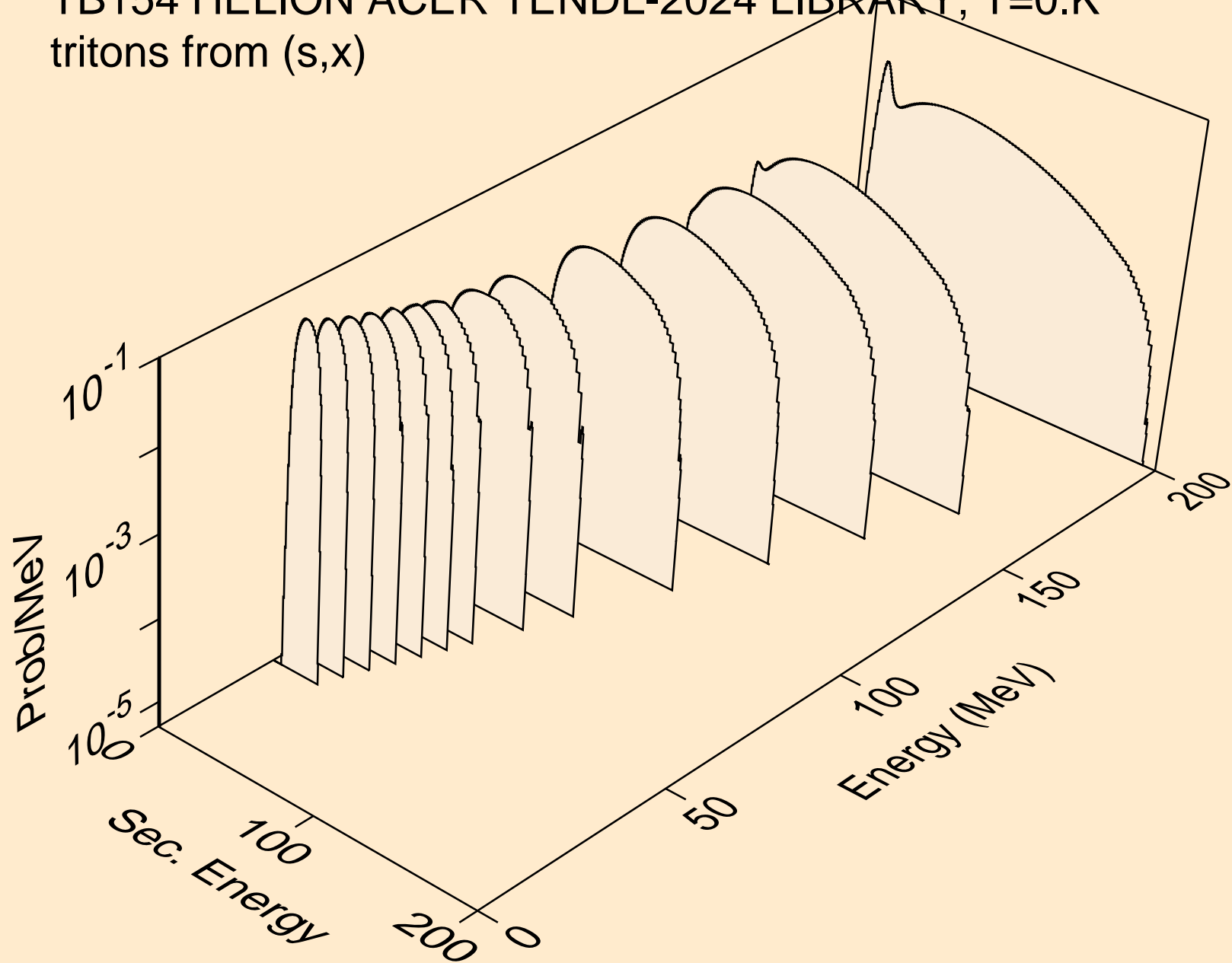
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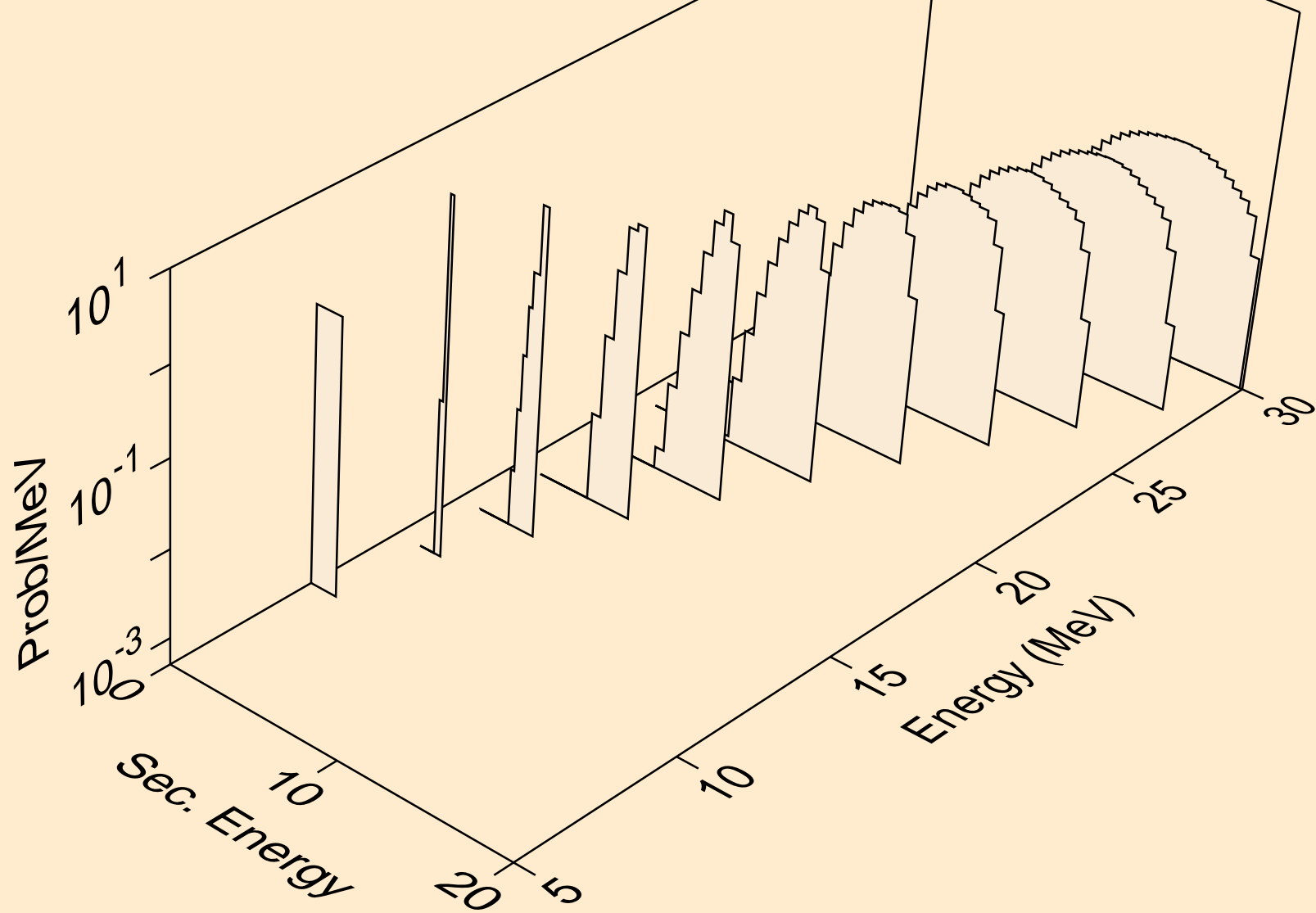
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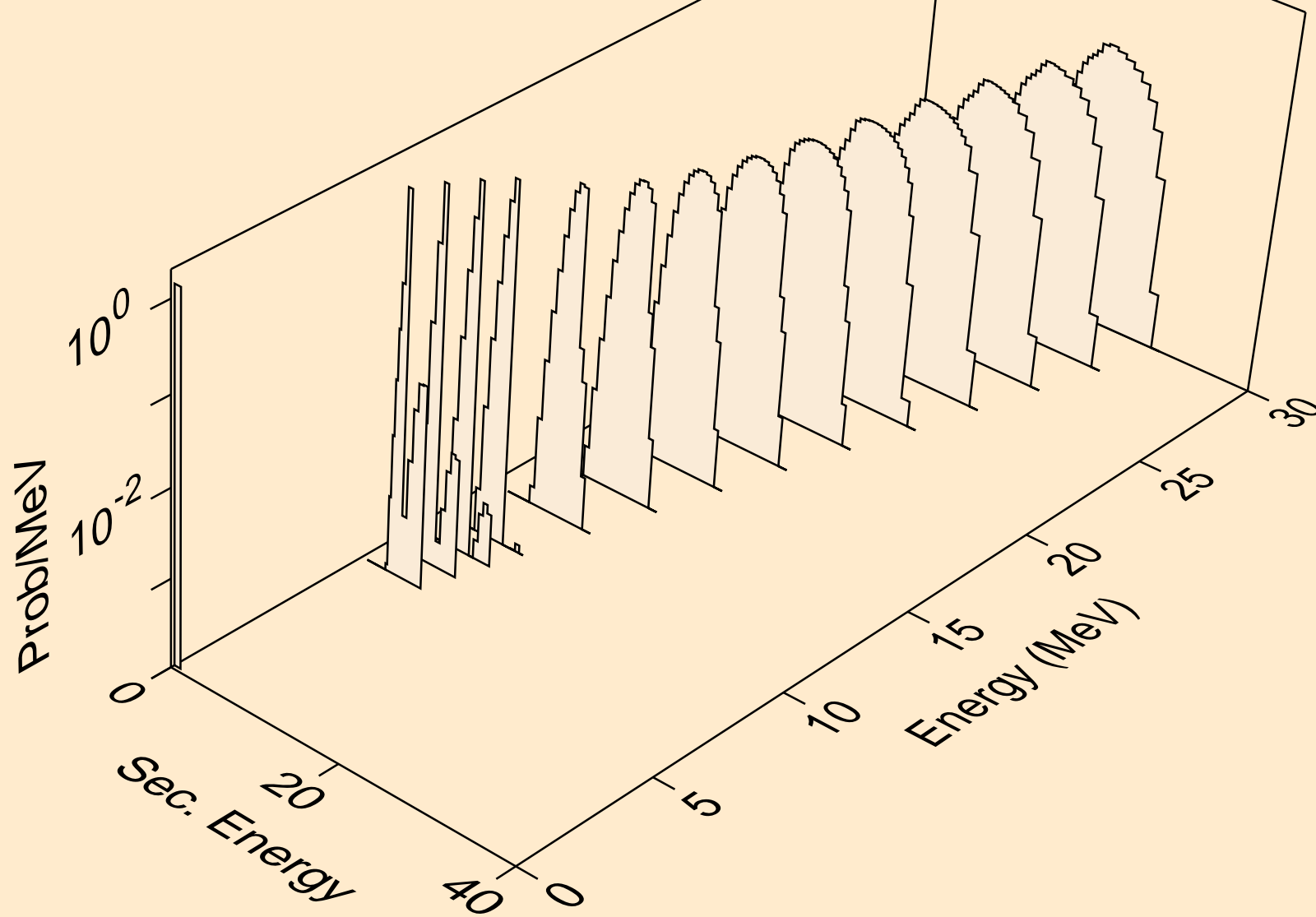
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tritons from (s,x)



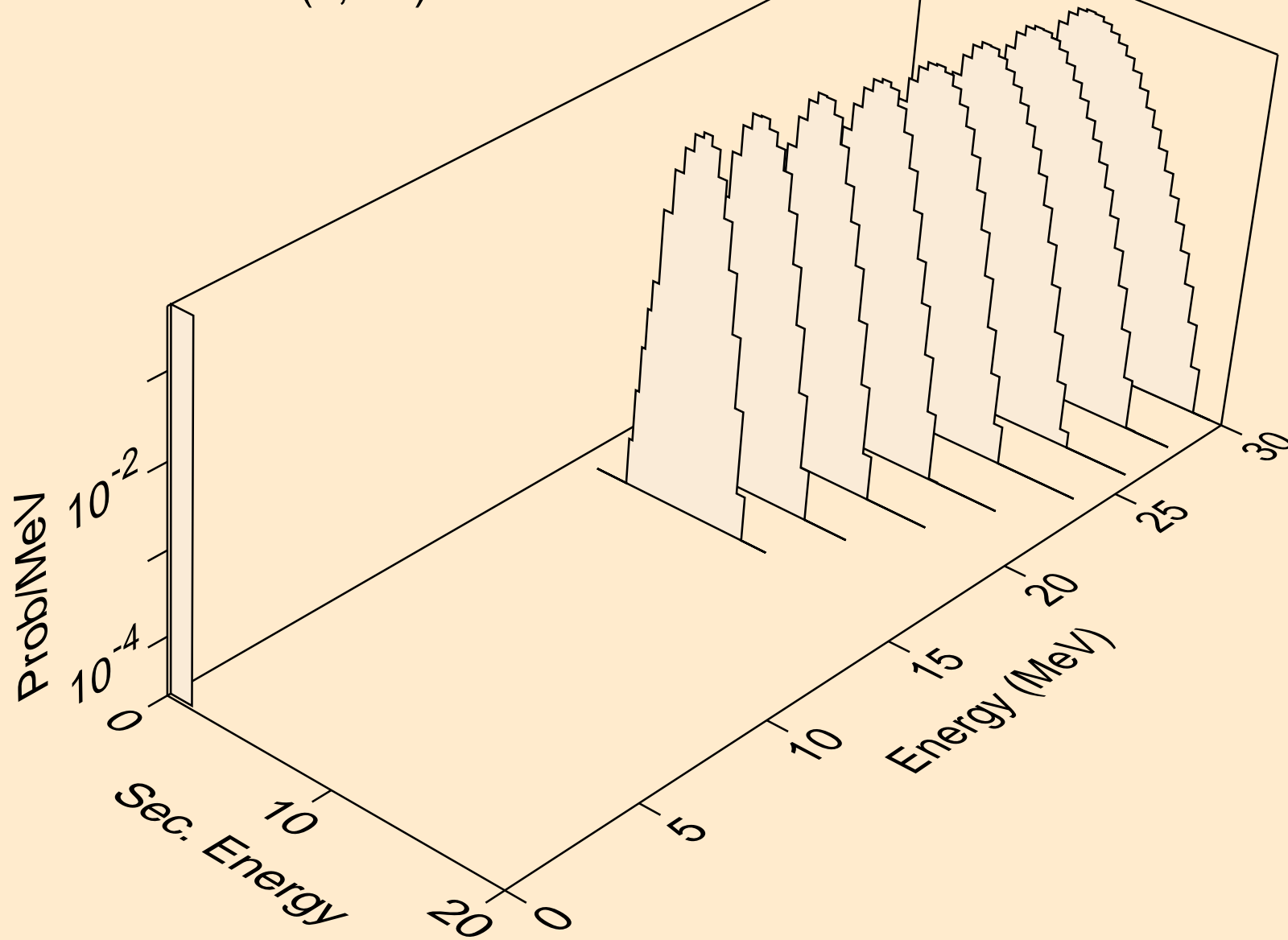
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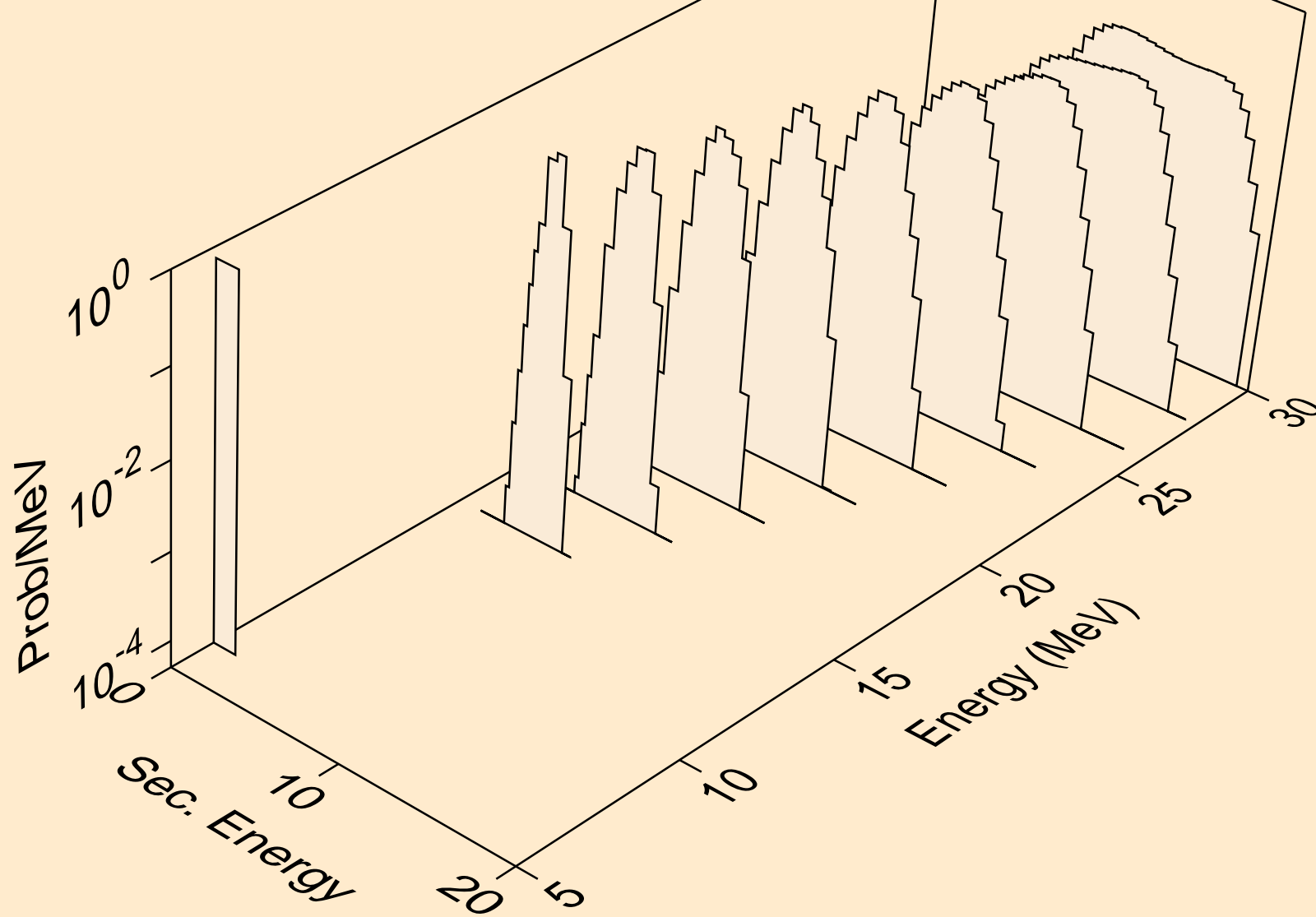
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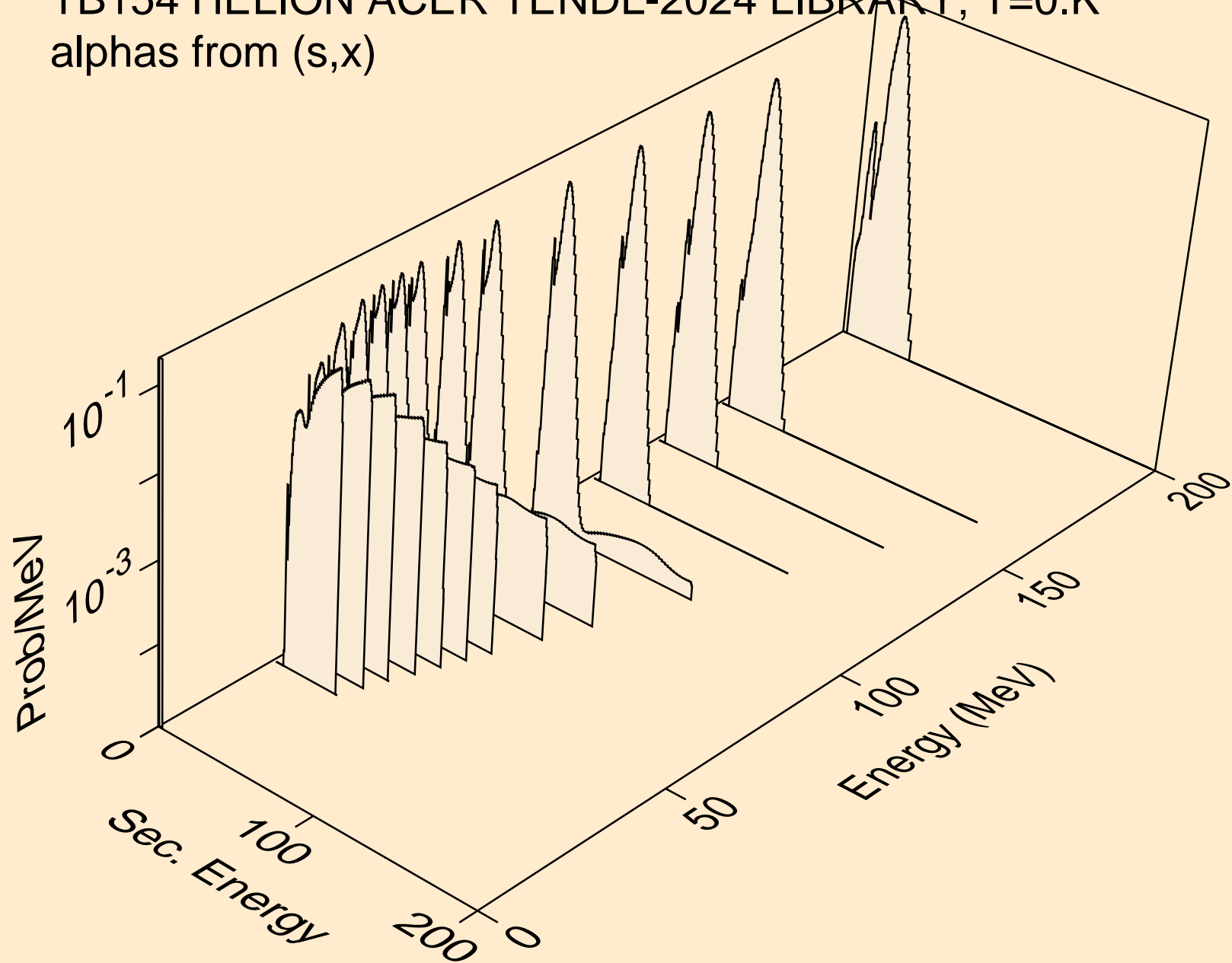
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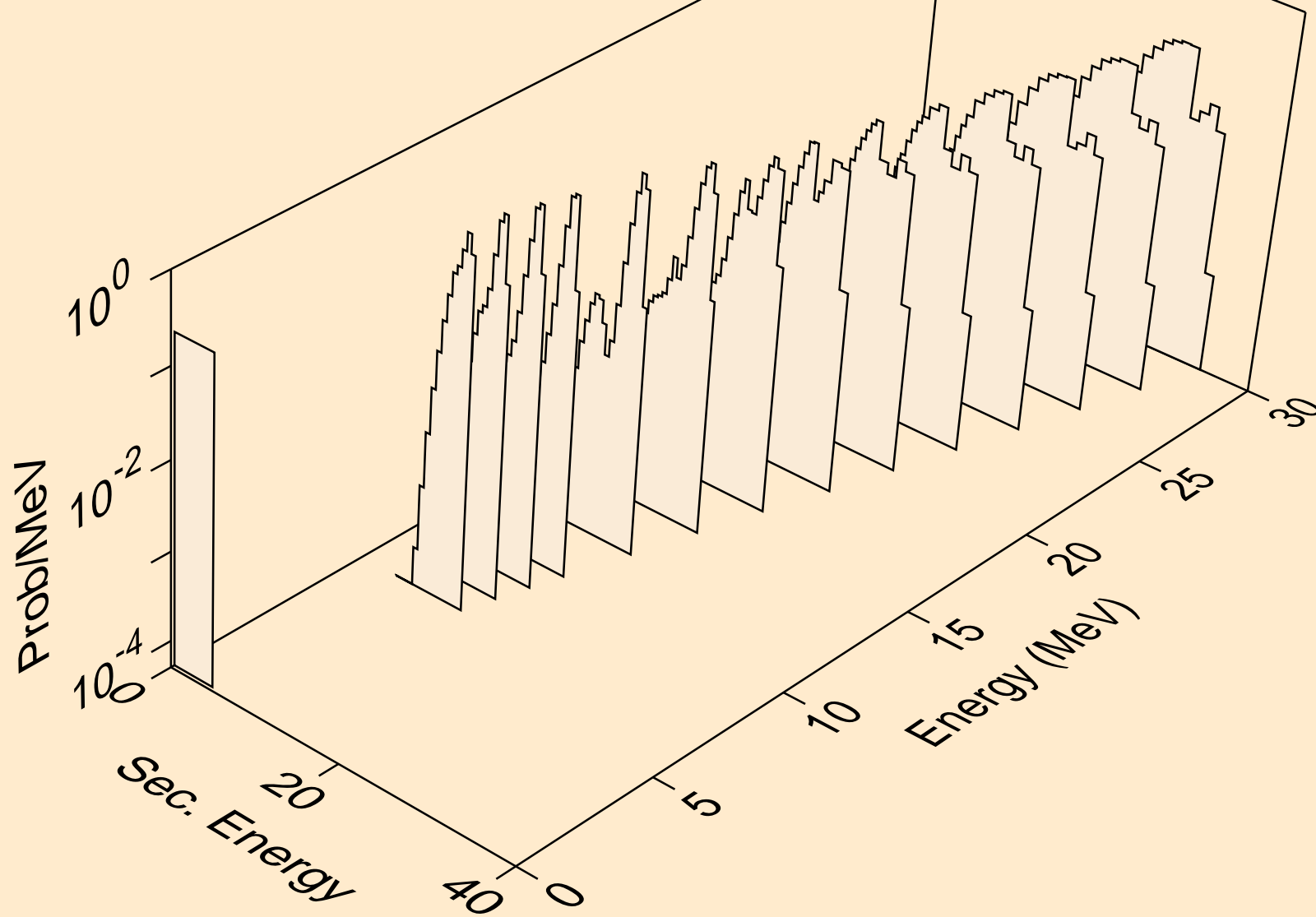
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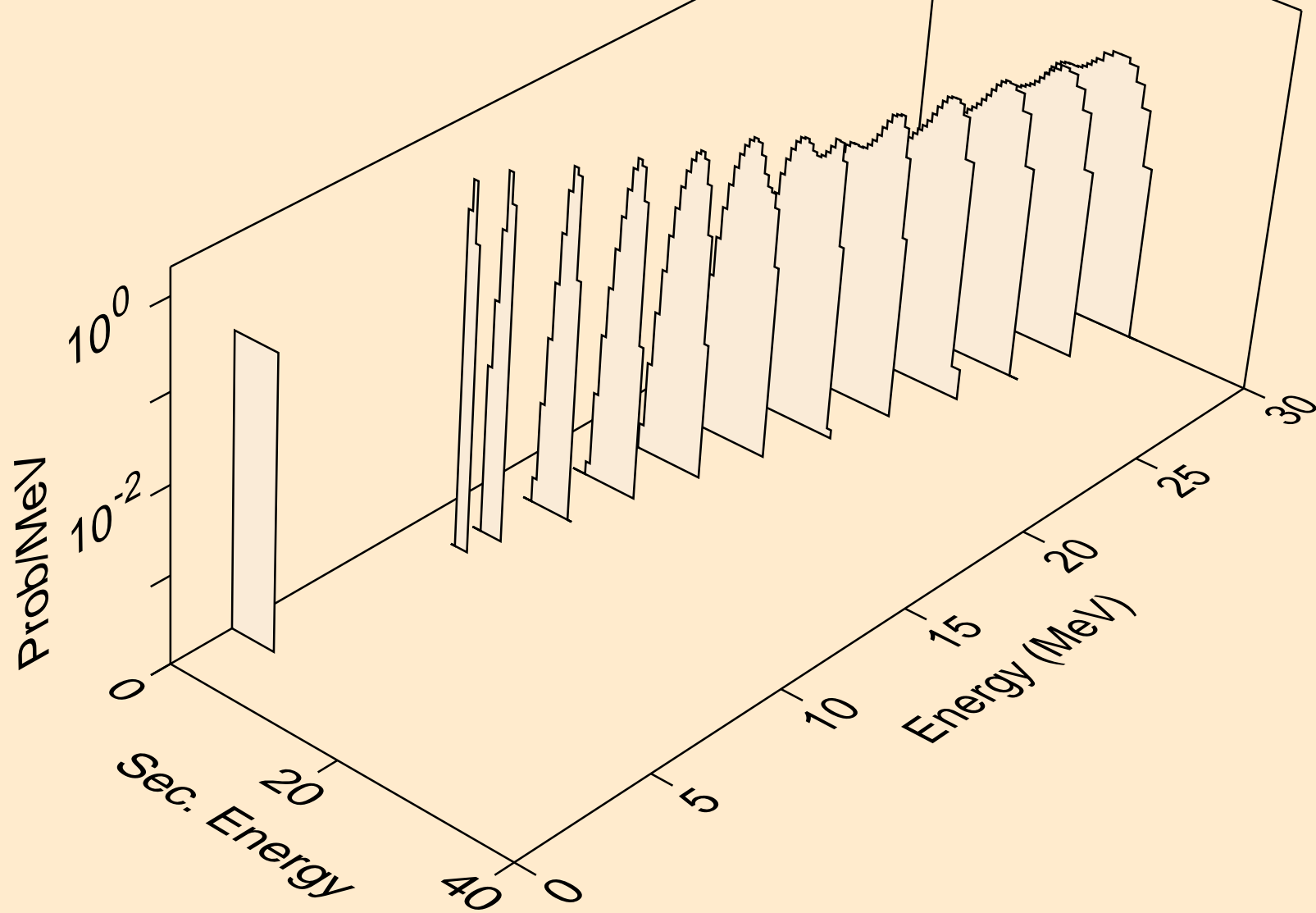
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alphas from (s,x)



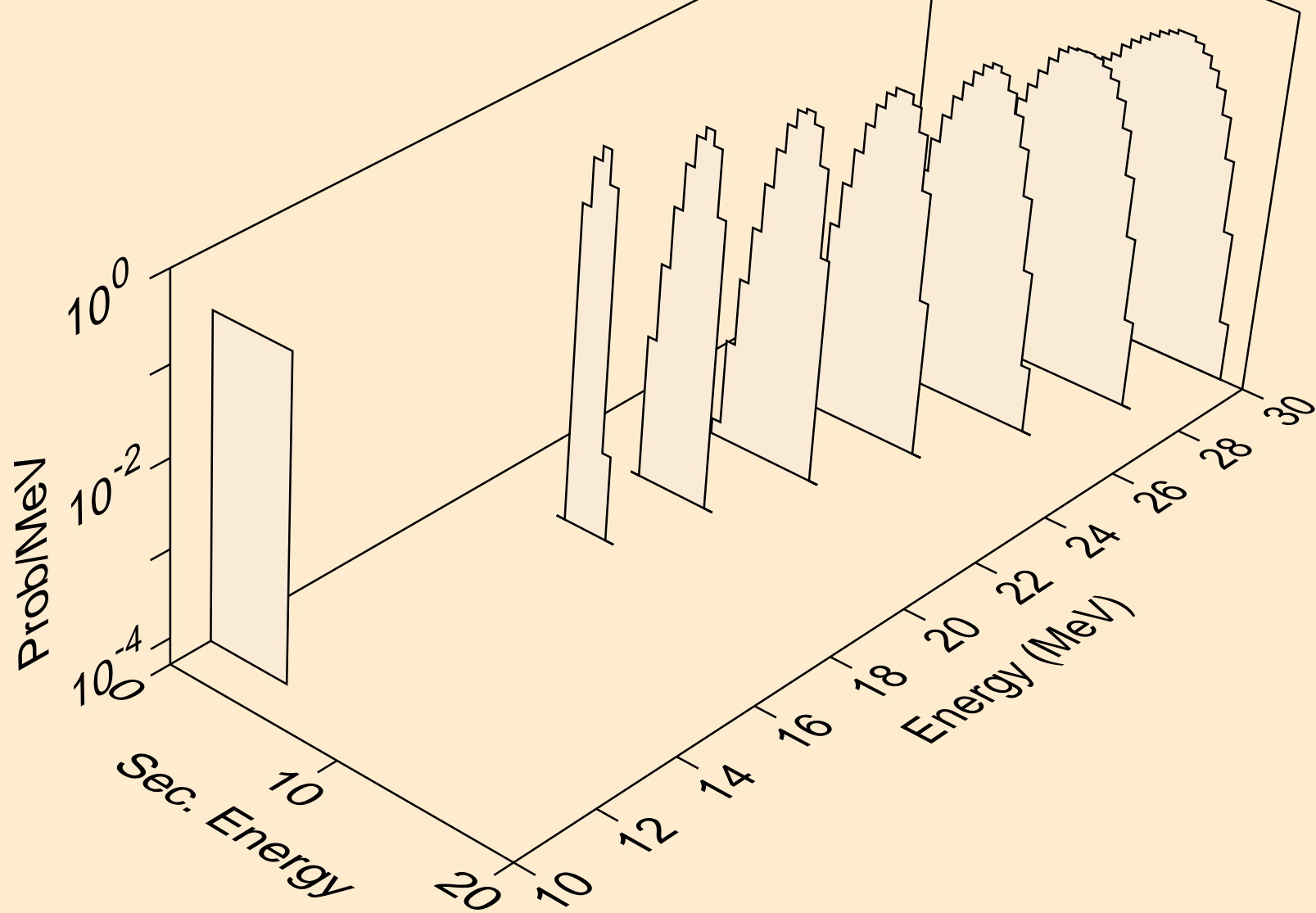
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alphas from (s,n\*)a



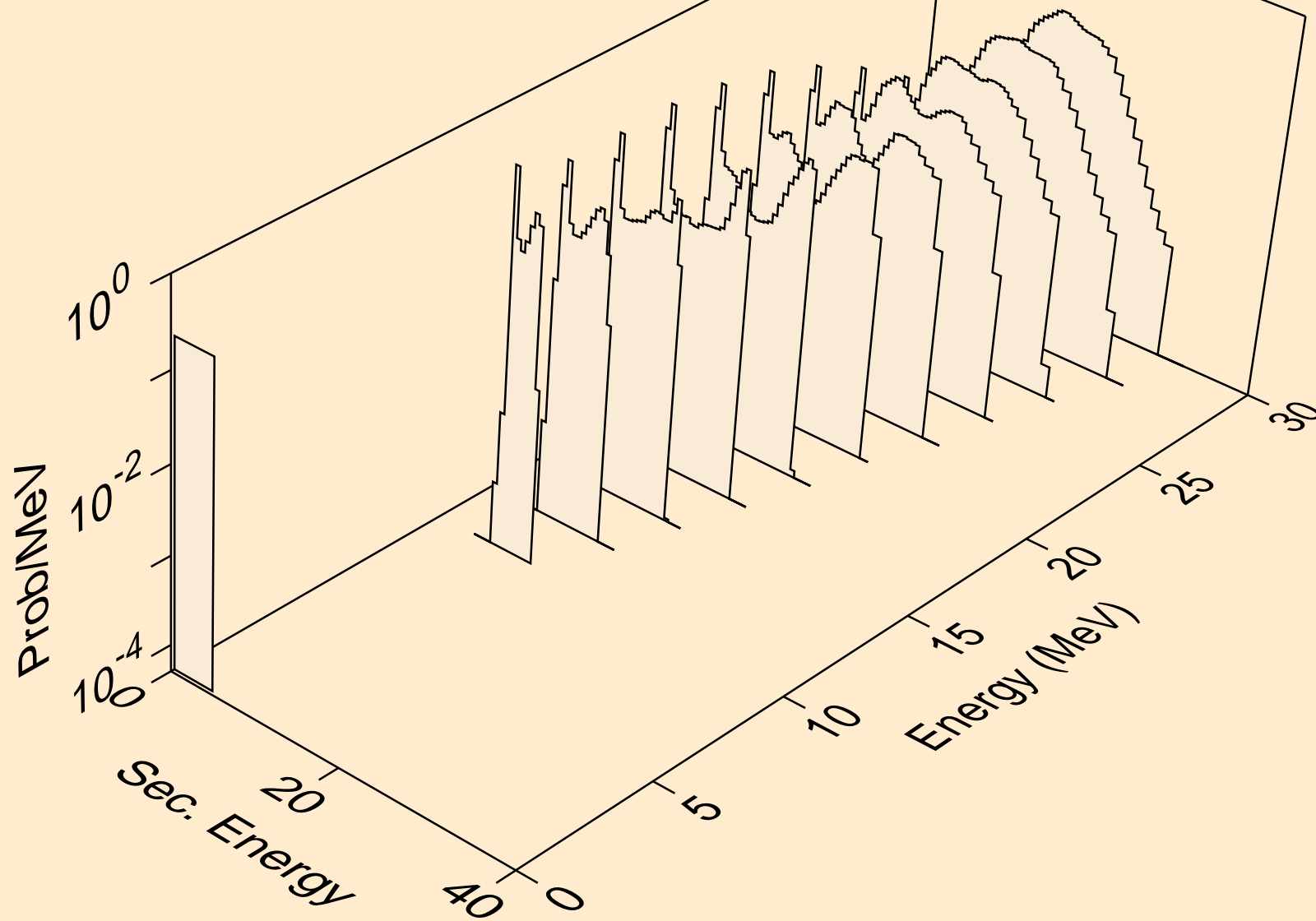
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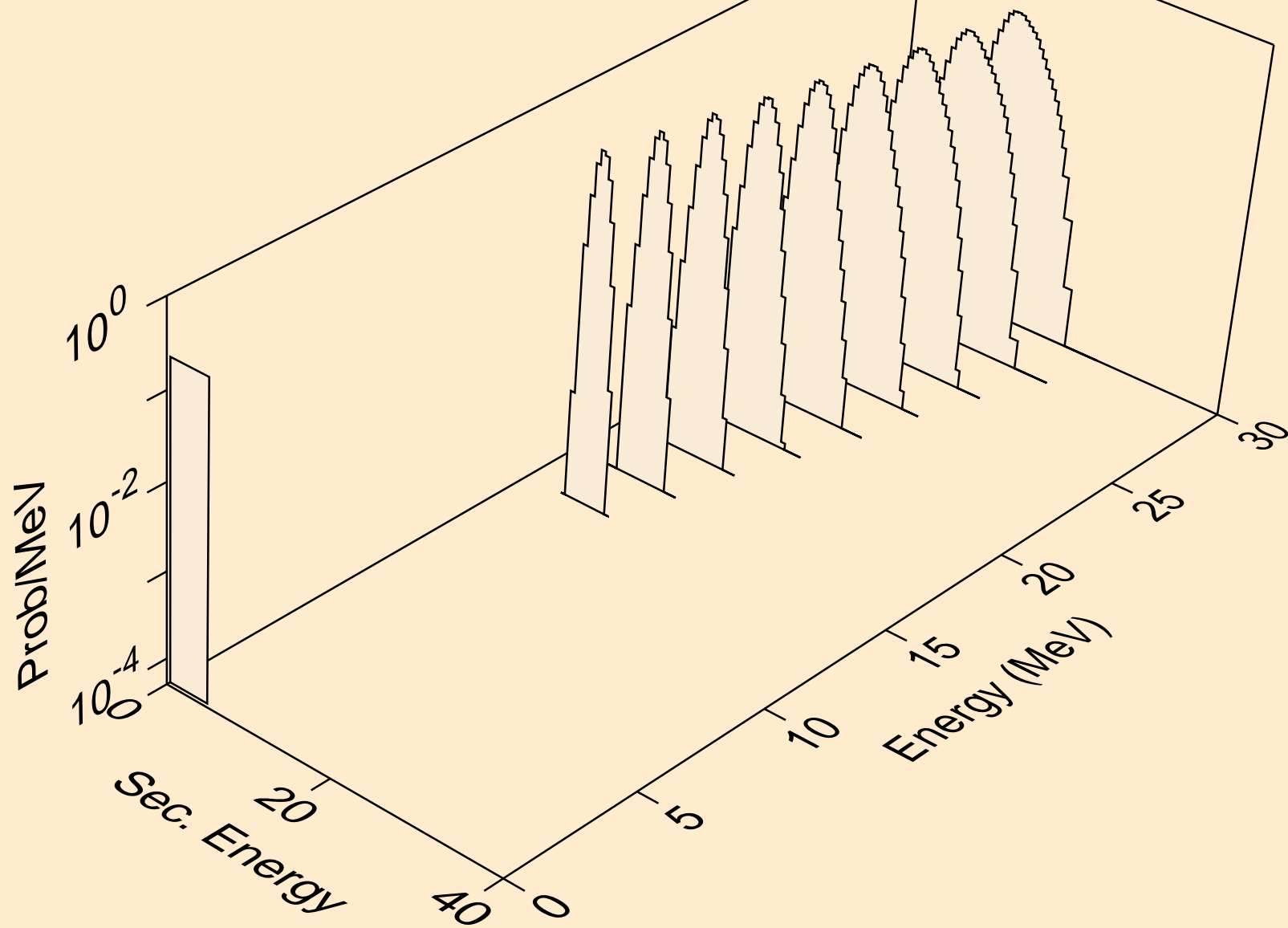
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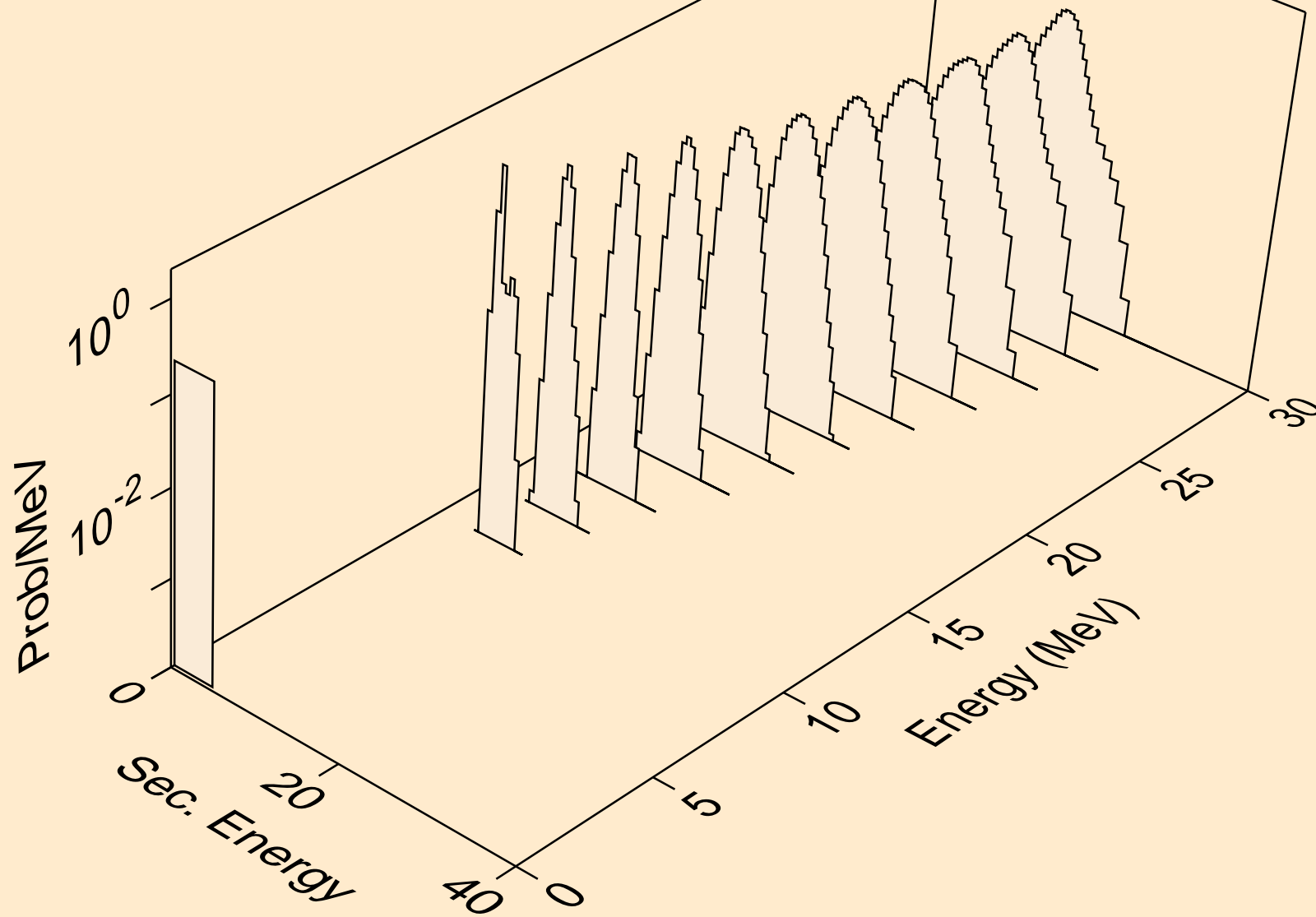
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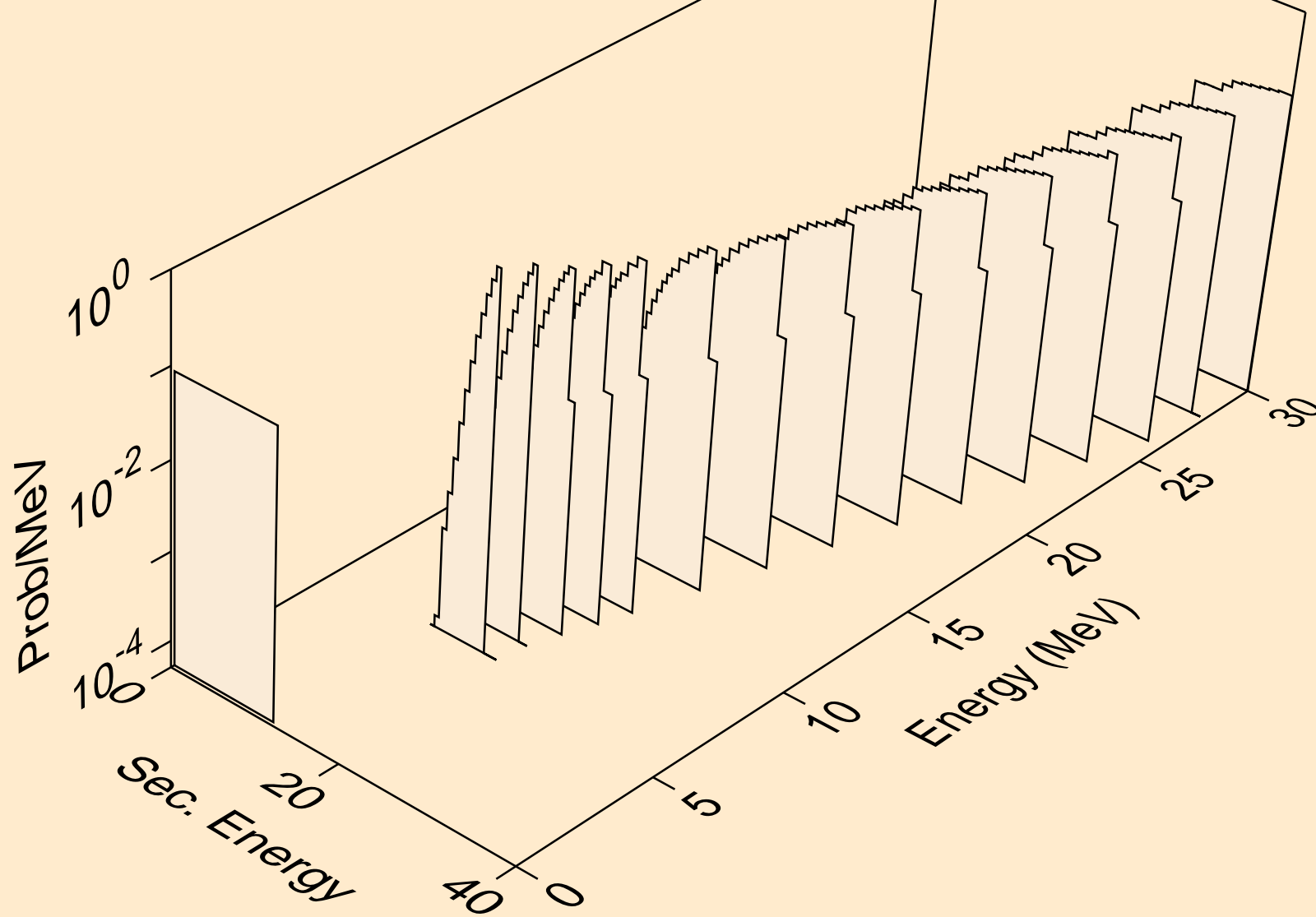
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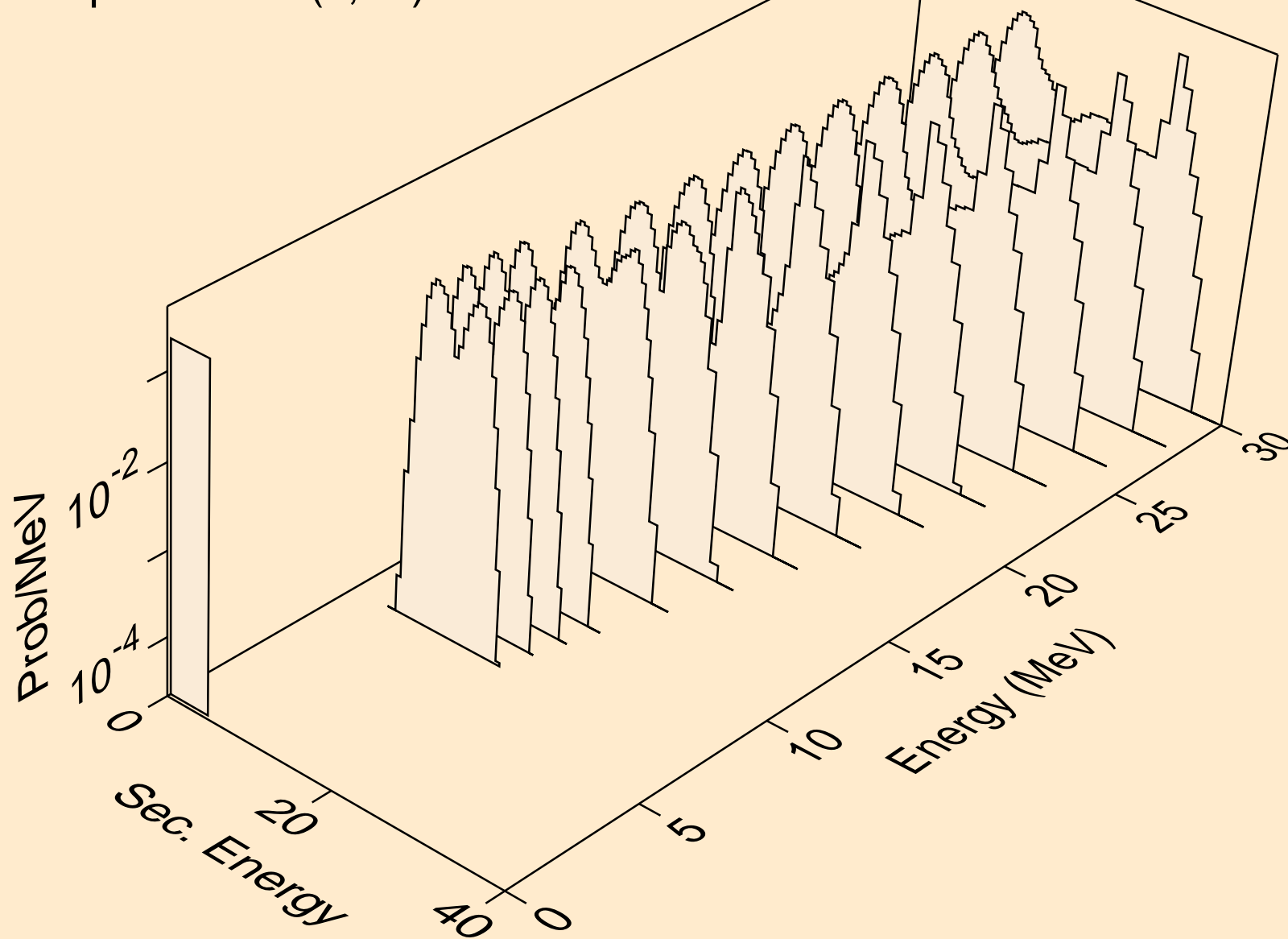
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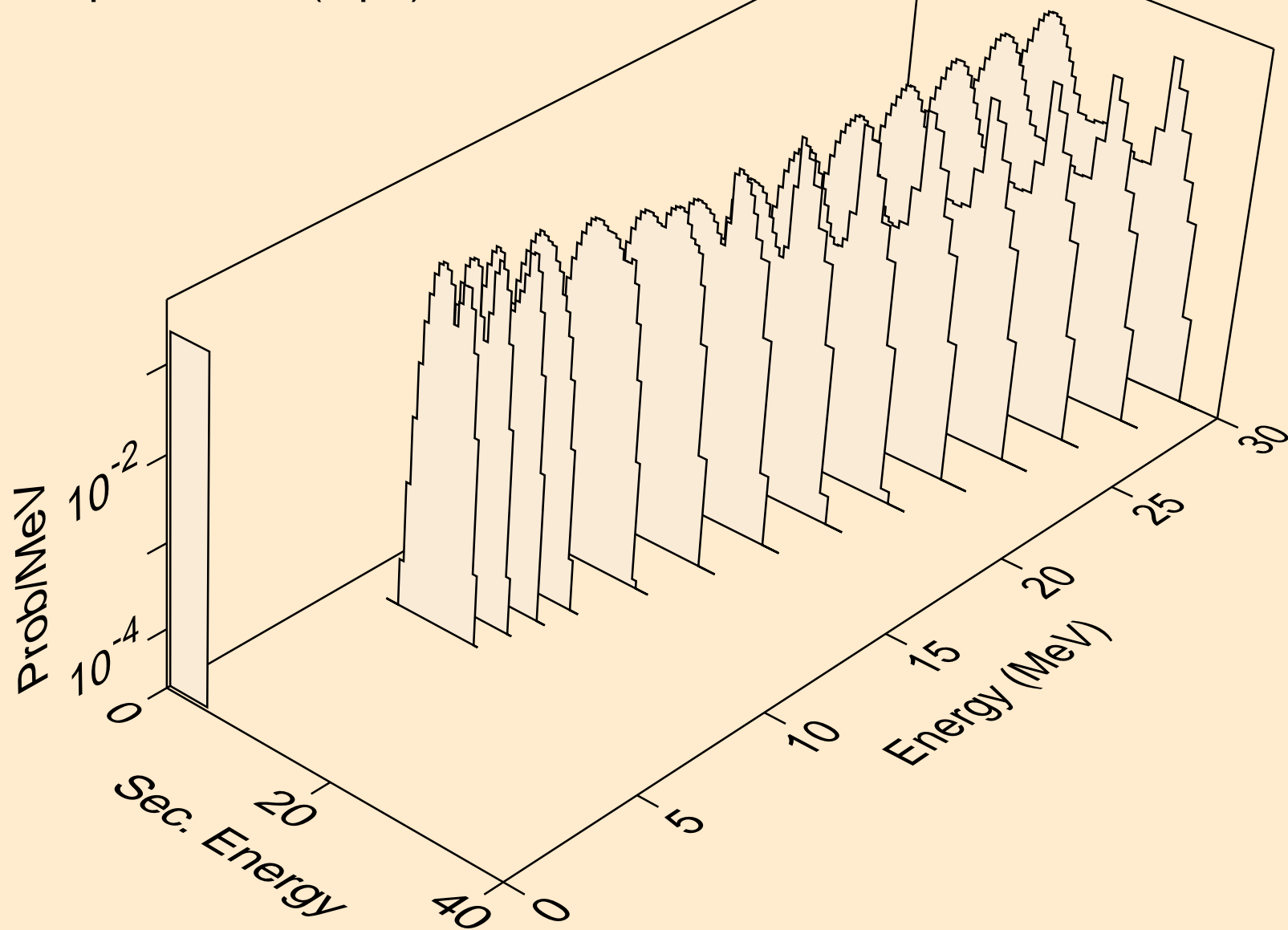
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alphas from (s,a)



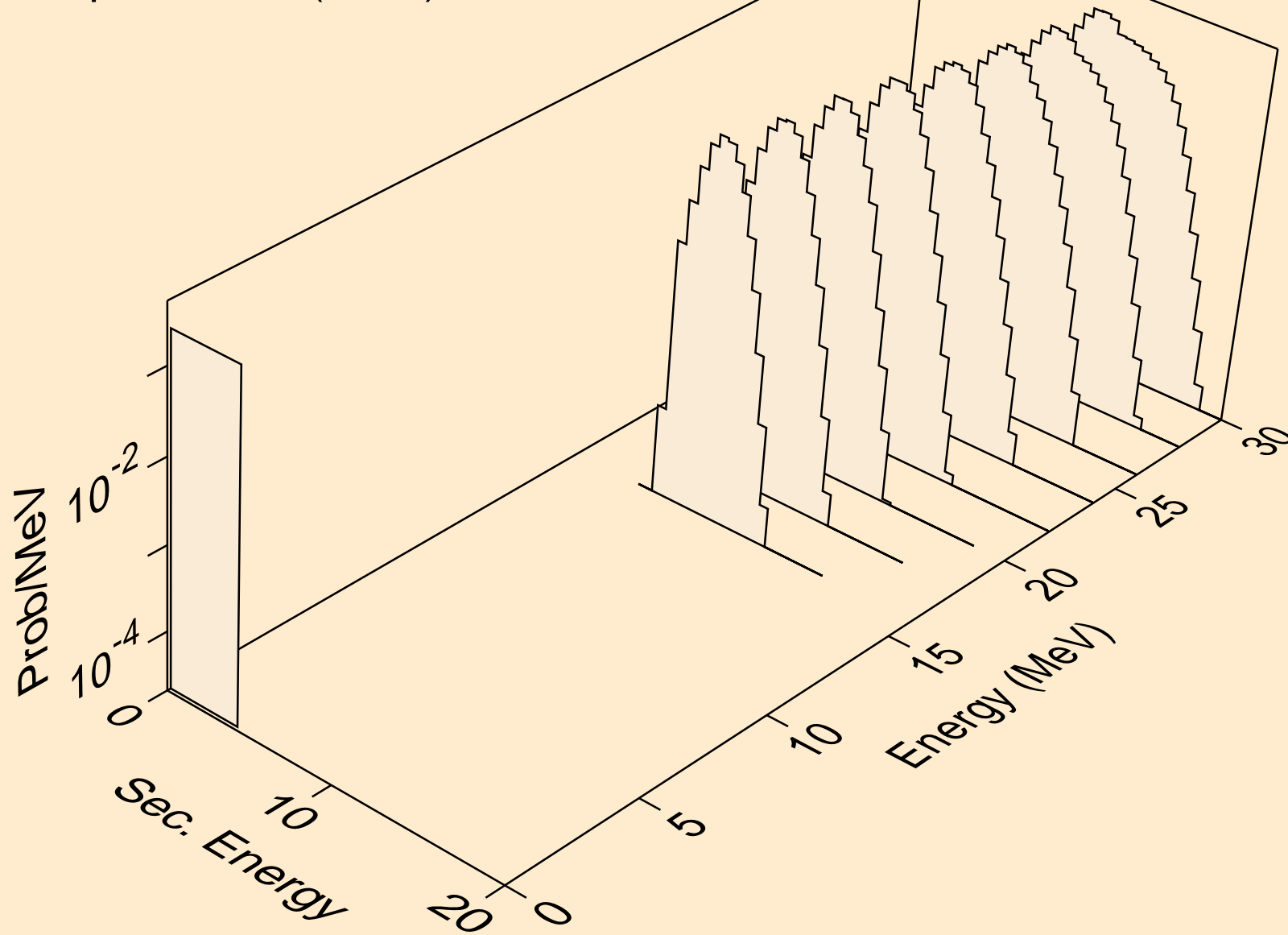
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alphas from (s,2a)



TB154 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,pa)



TB154 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,t2a)



TB154 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,da)

