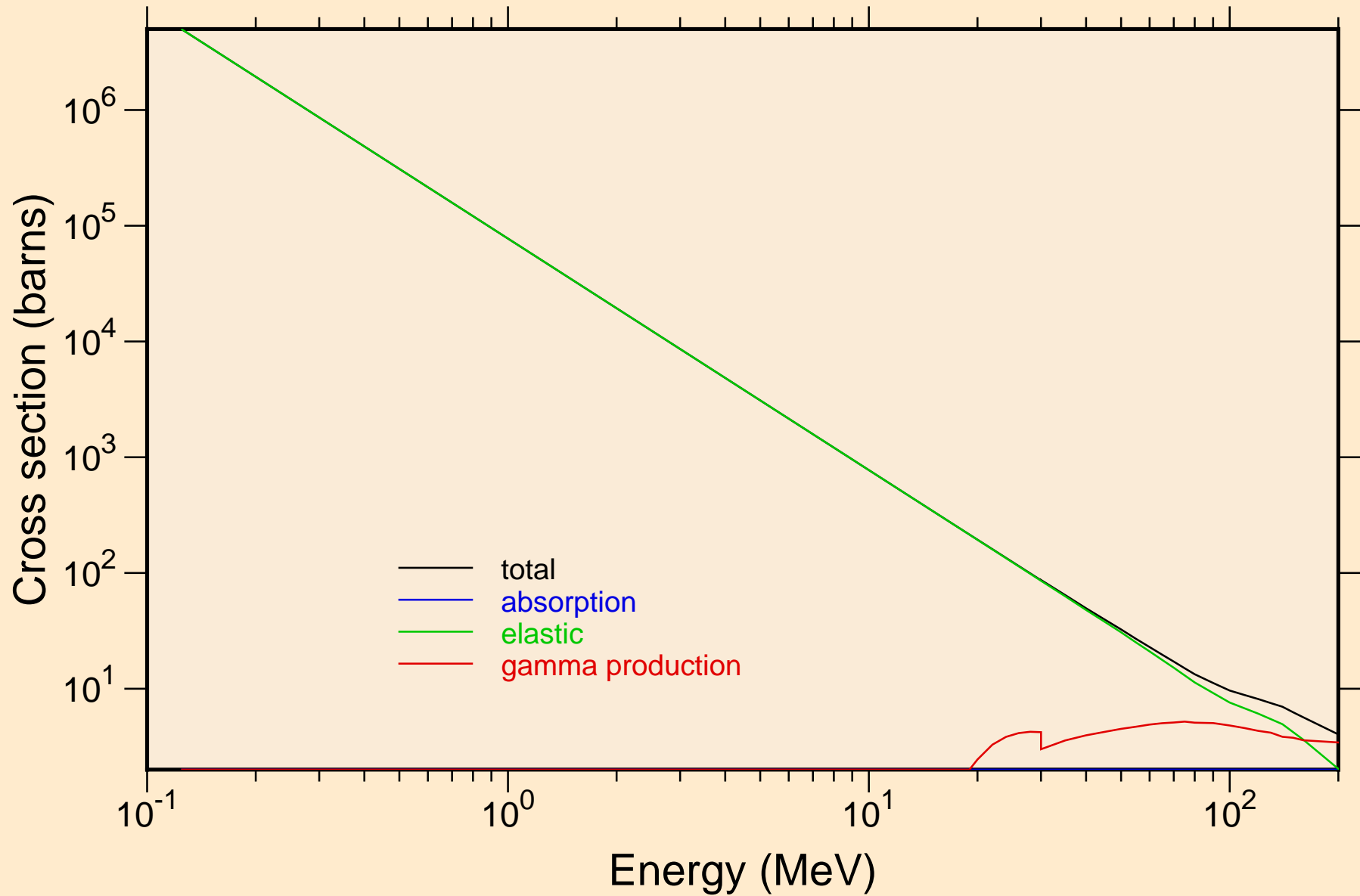
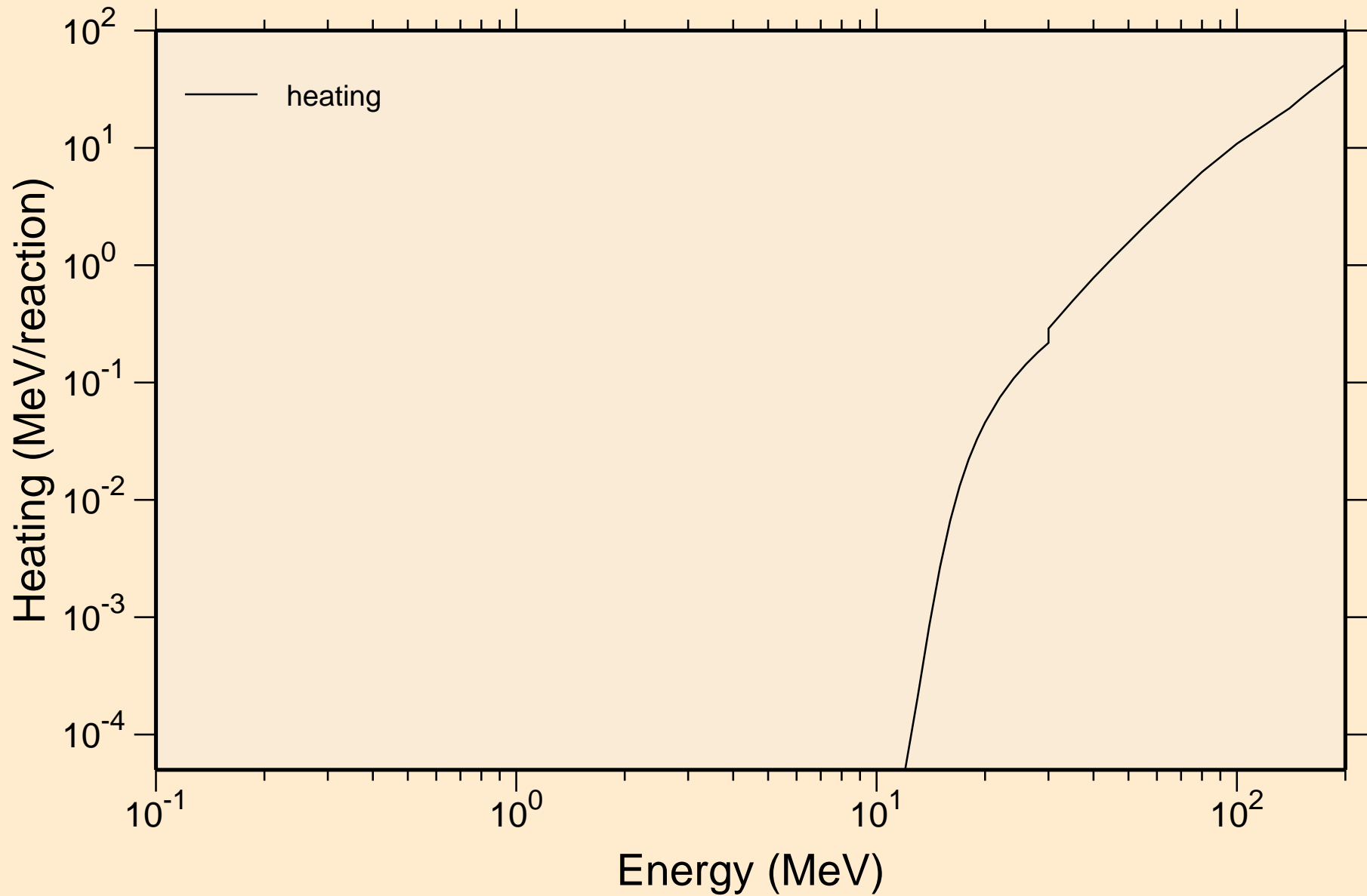


CS139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



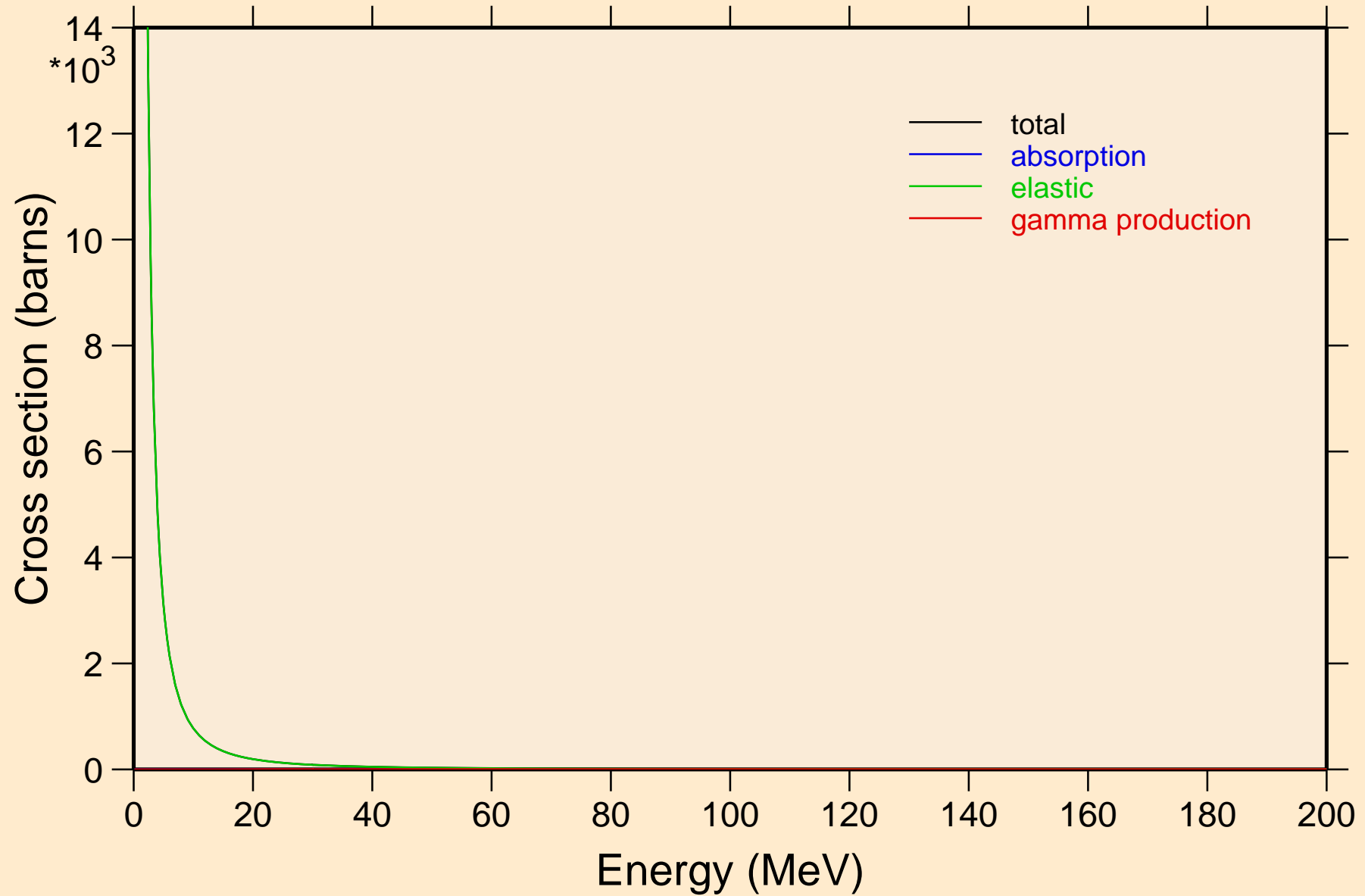
# CS139 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Heating



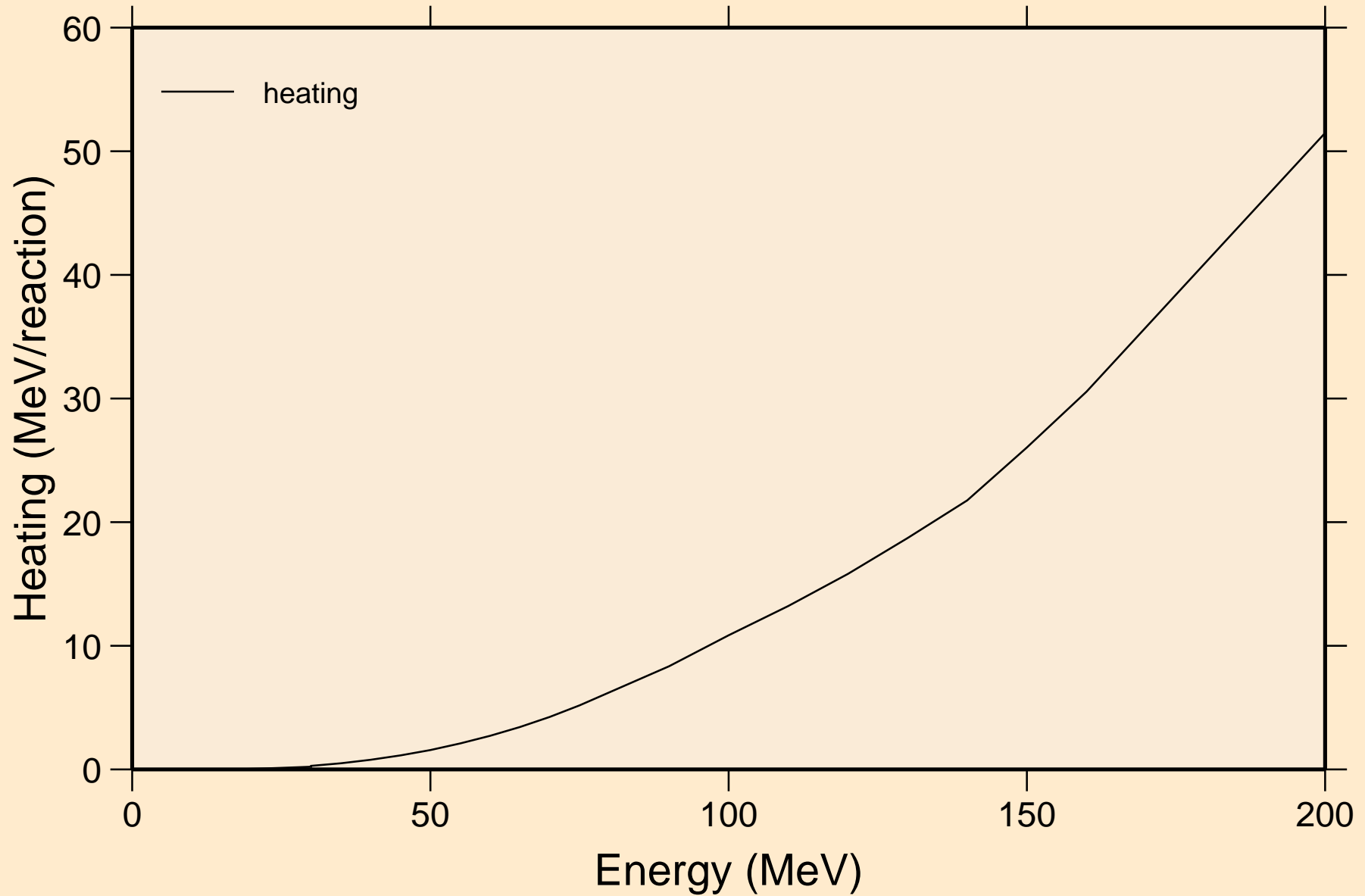
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## Principal cross sections



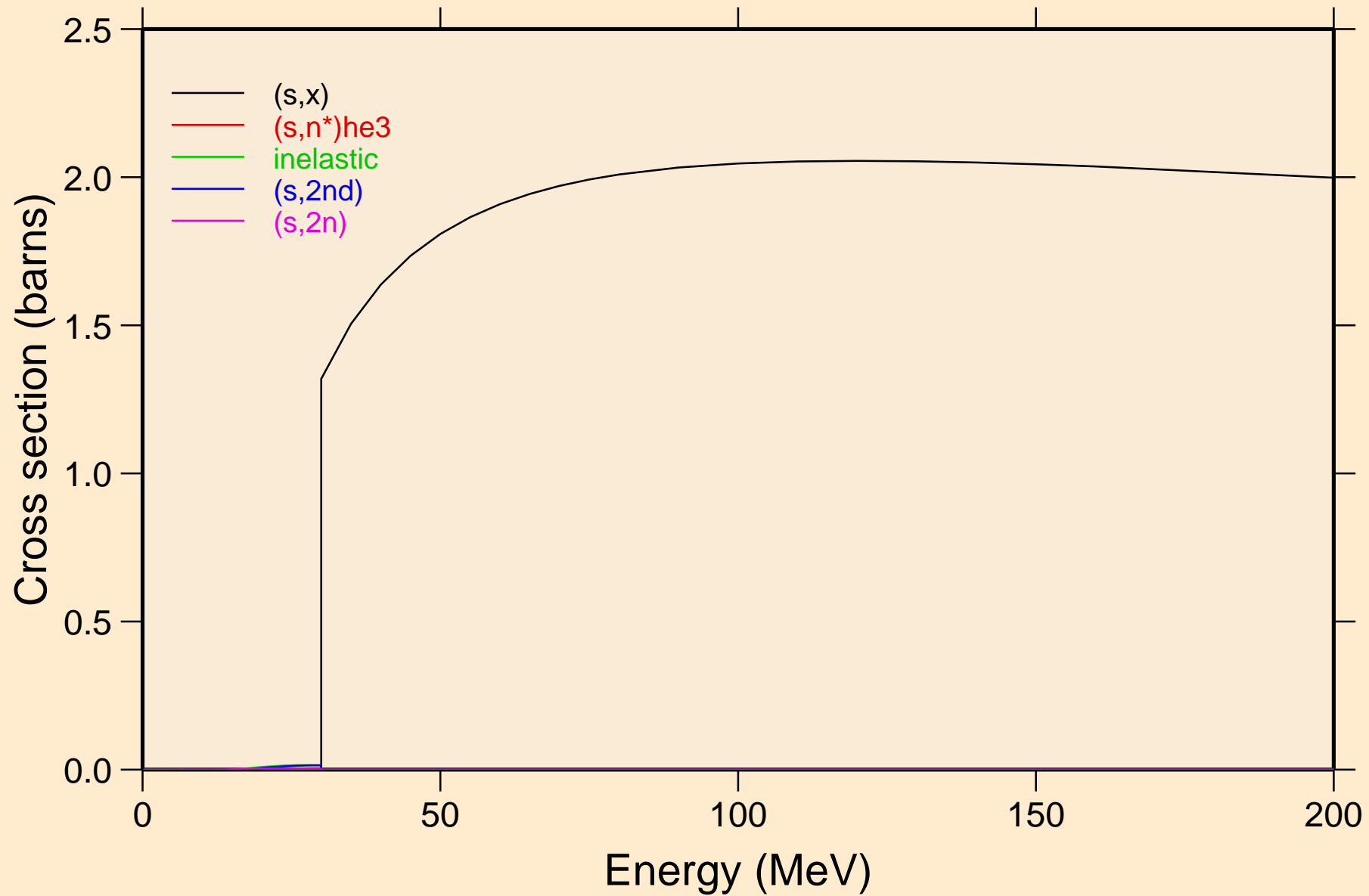
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Heating

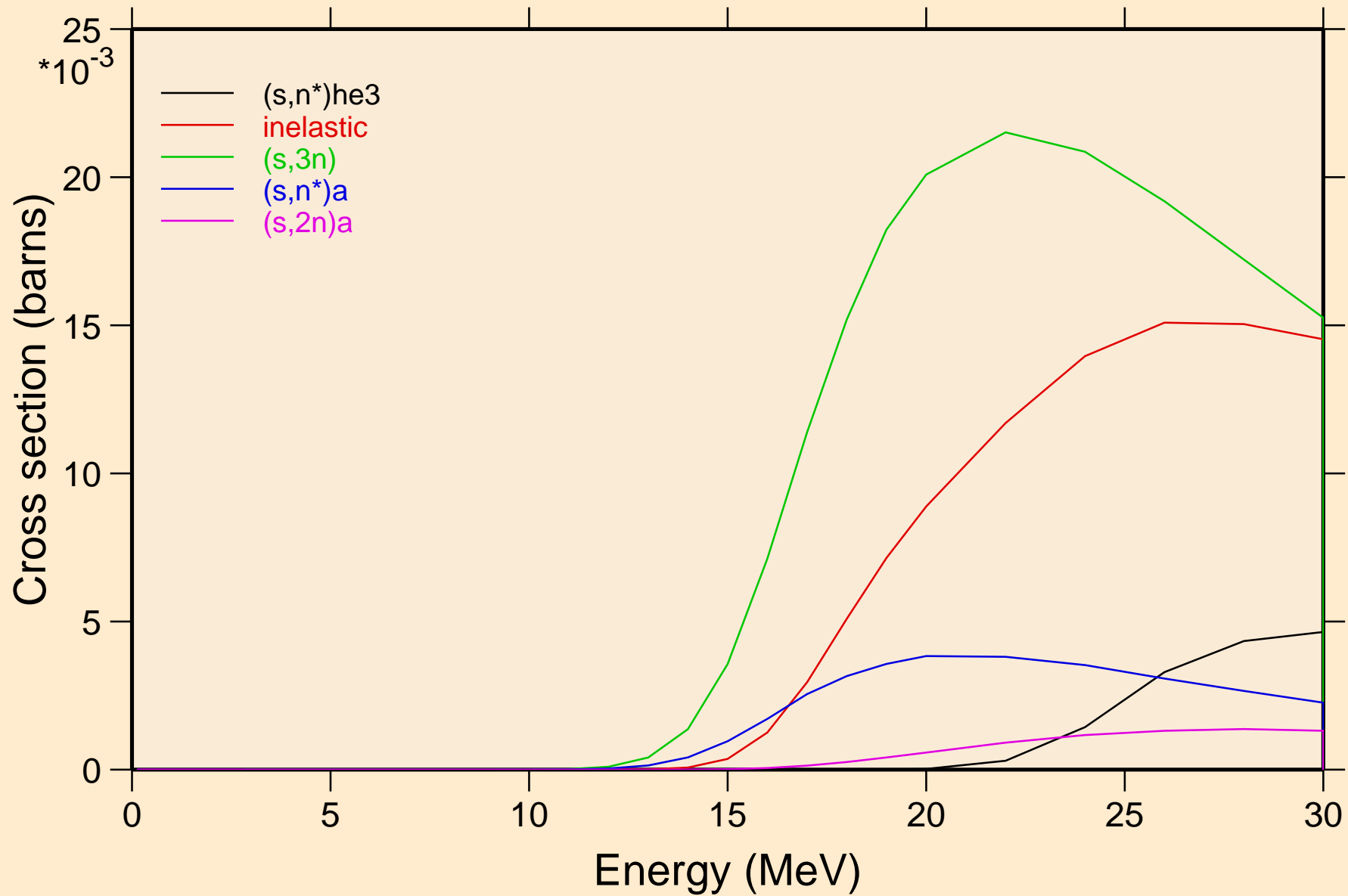


# CS139 HELION ACER TENDL-2023 LIBRARY; T=0.K

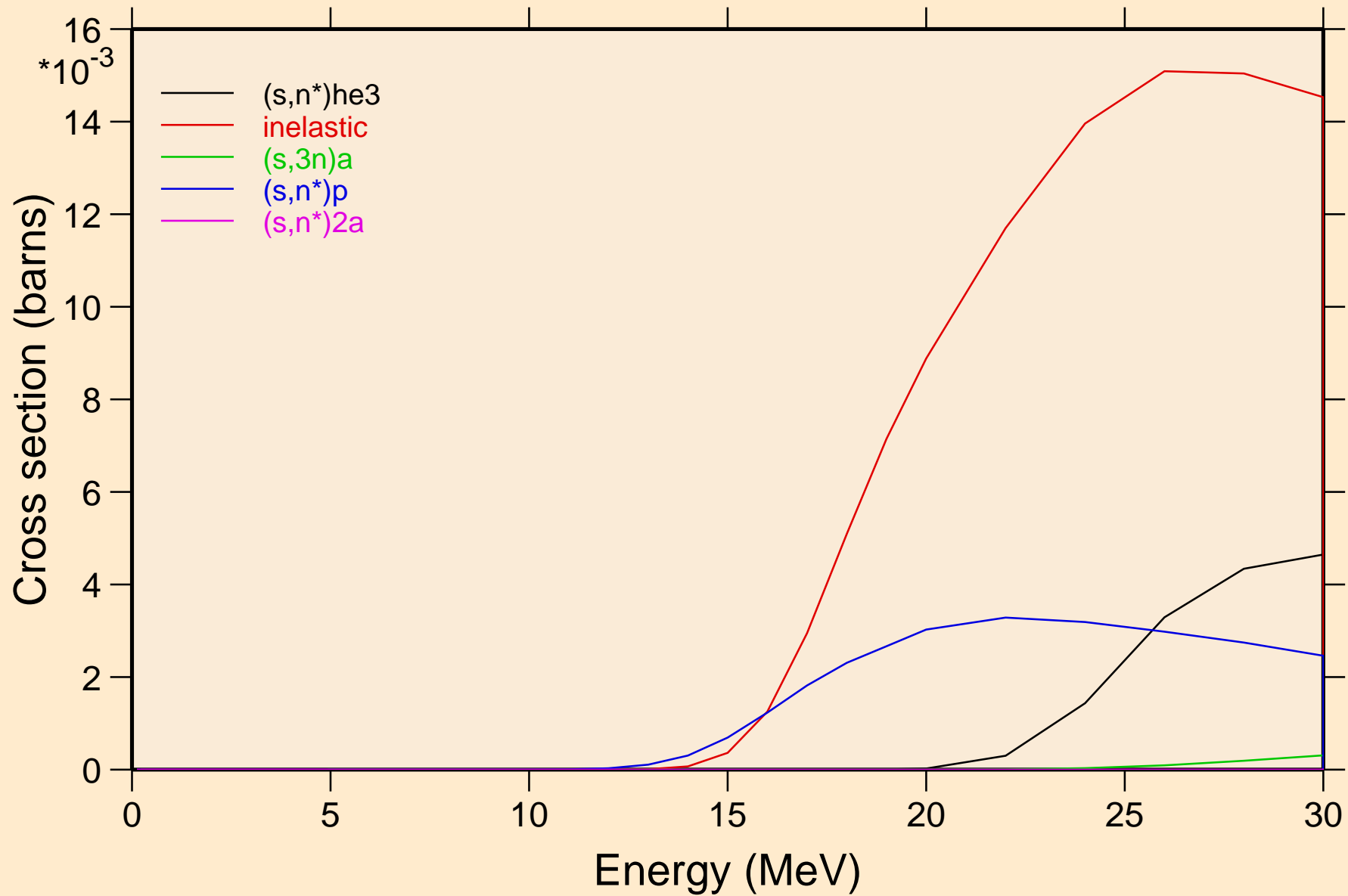
## Threshold reactions



CS139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

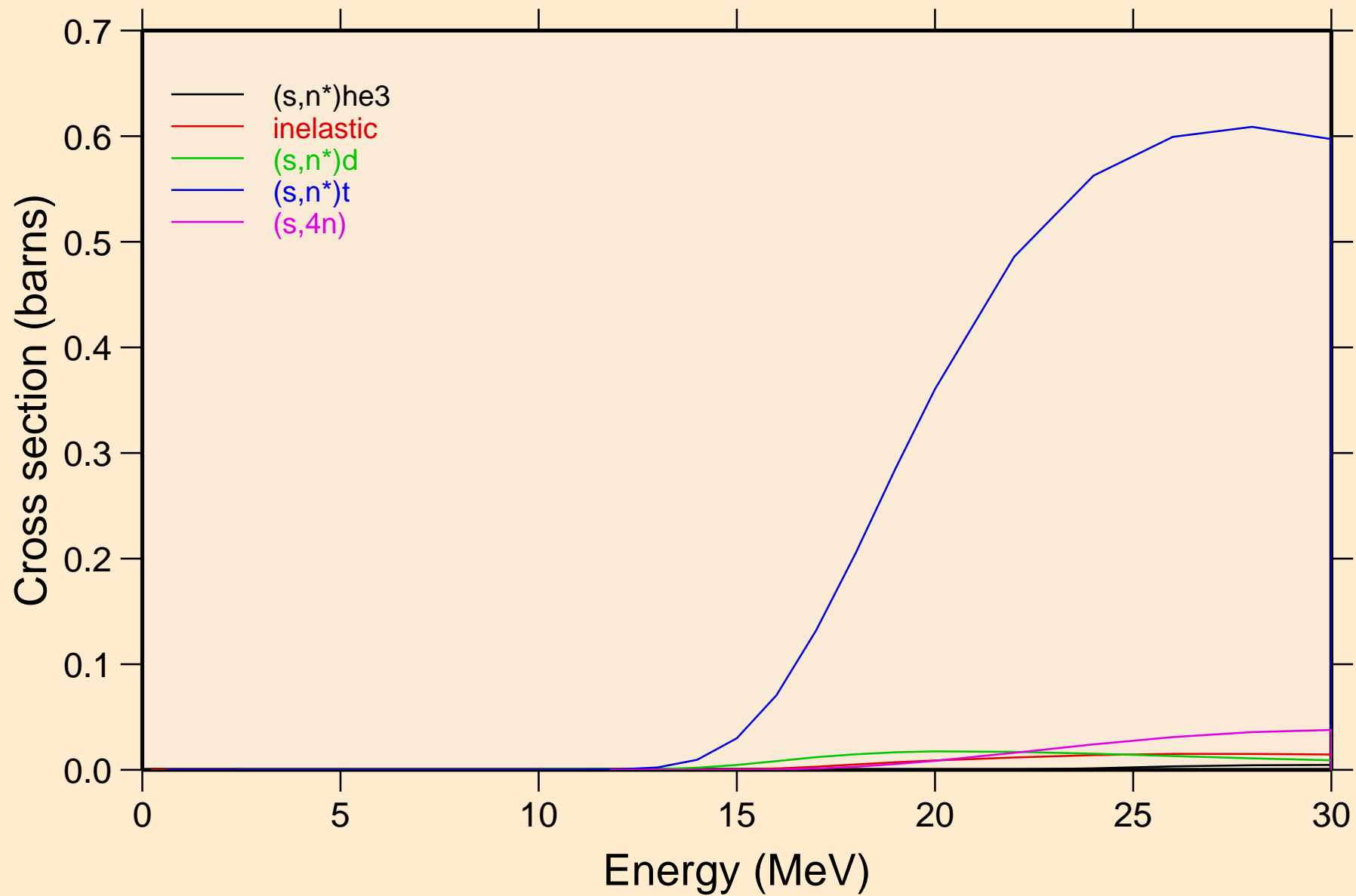


CS139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

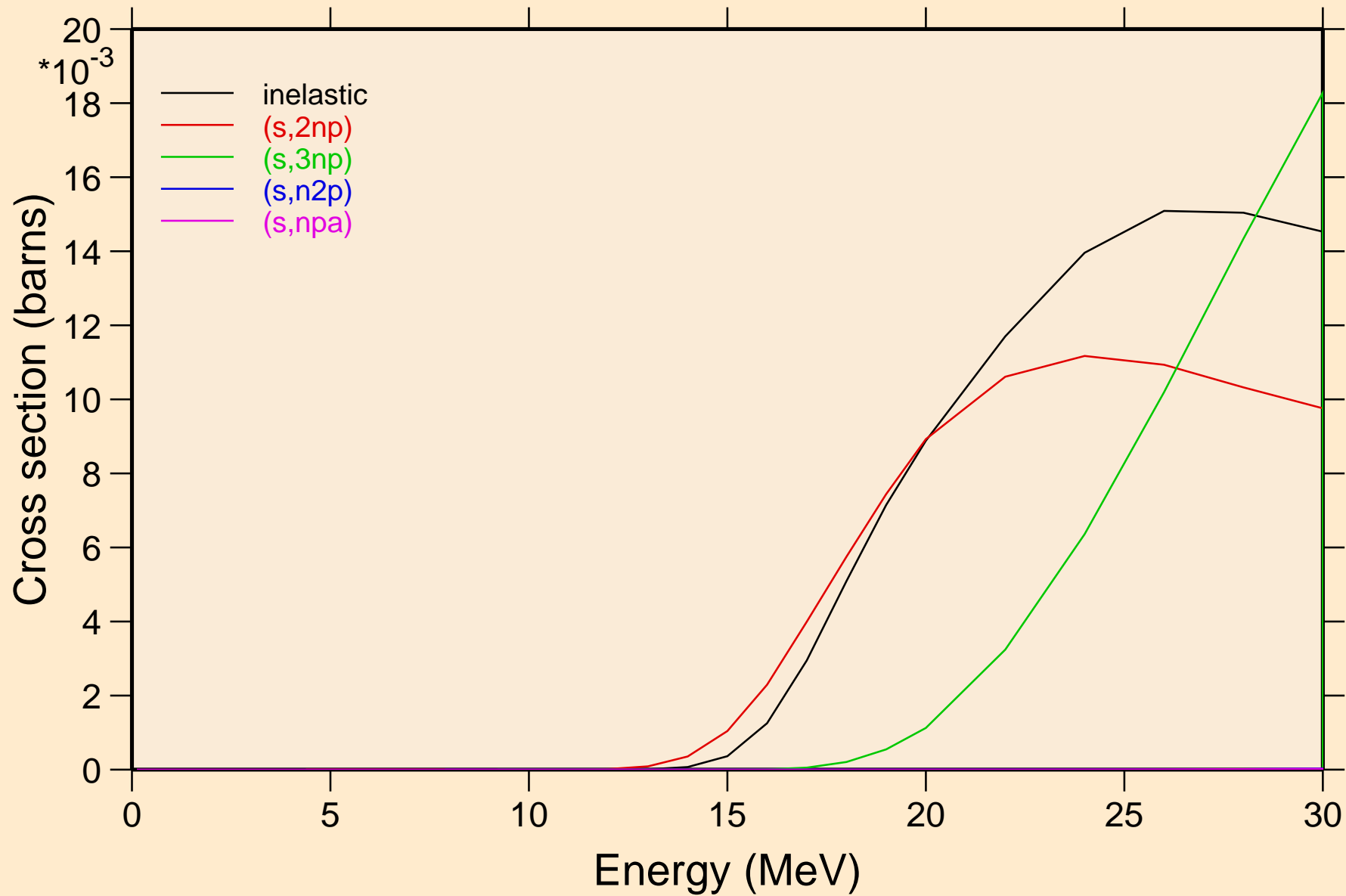


# CS139 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

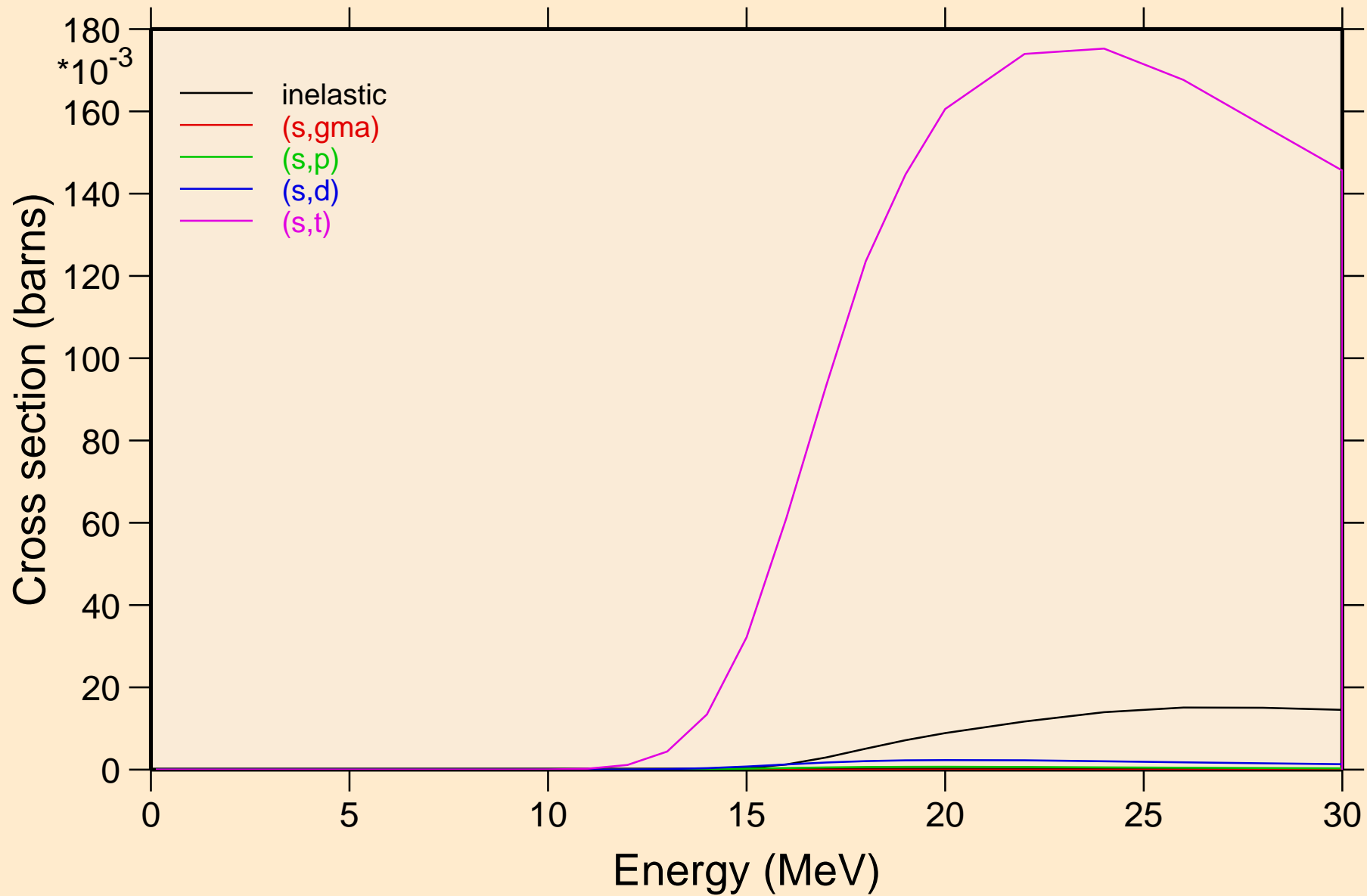


CS139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

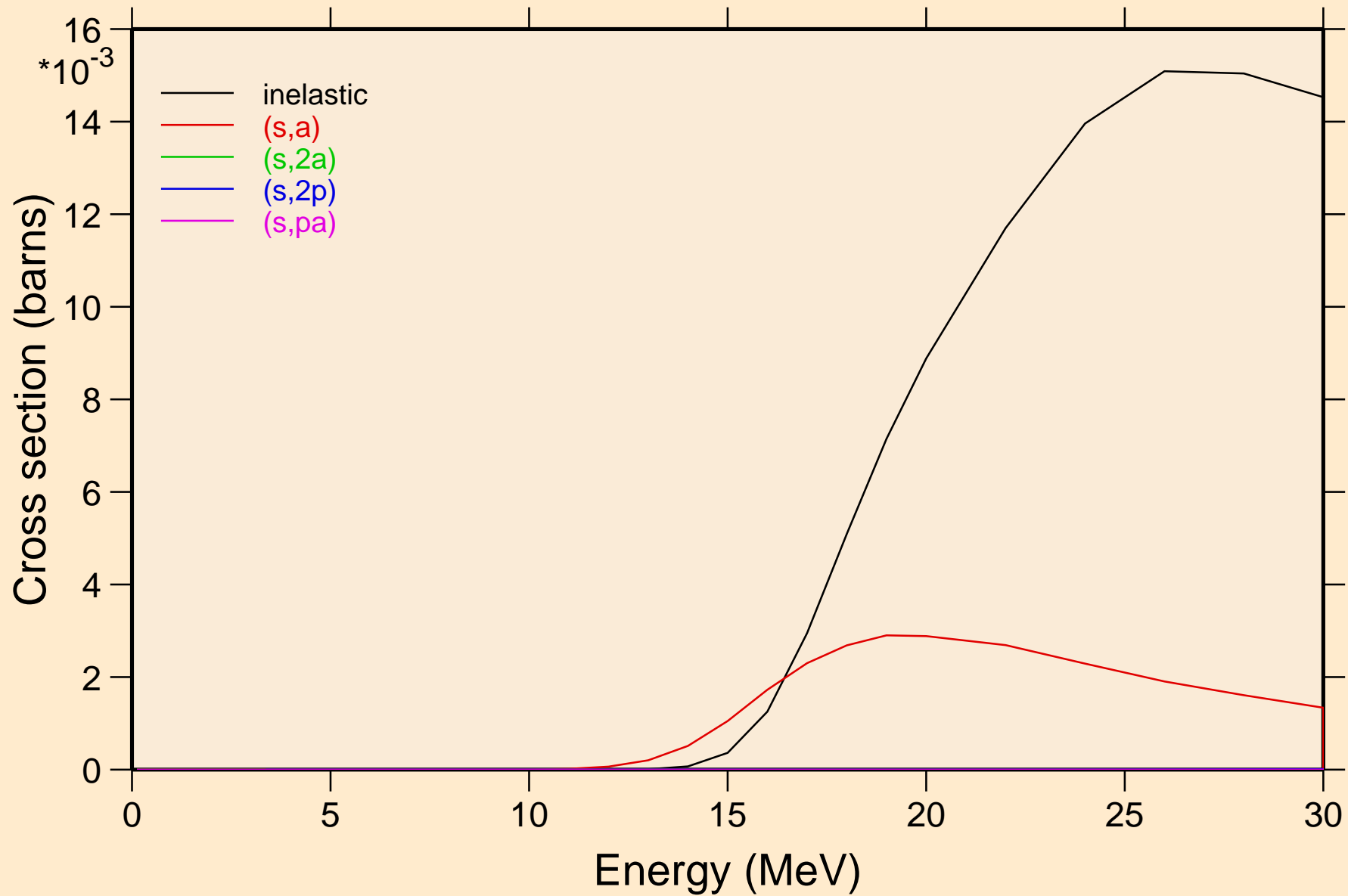


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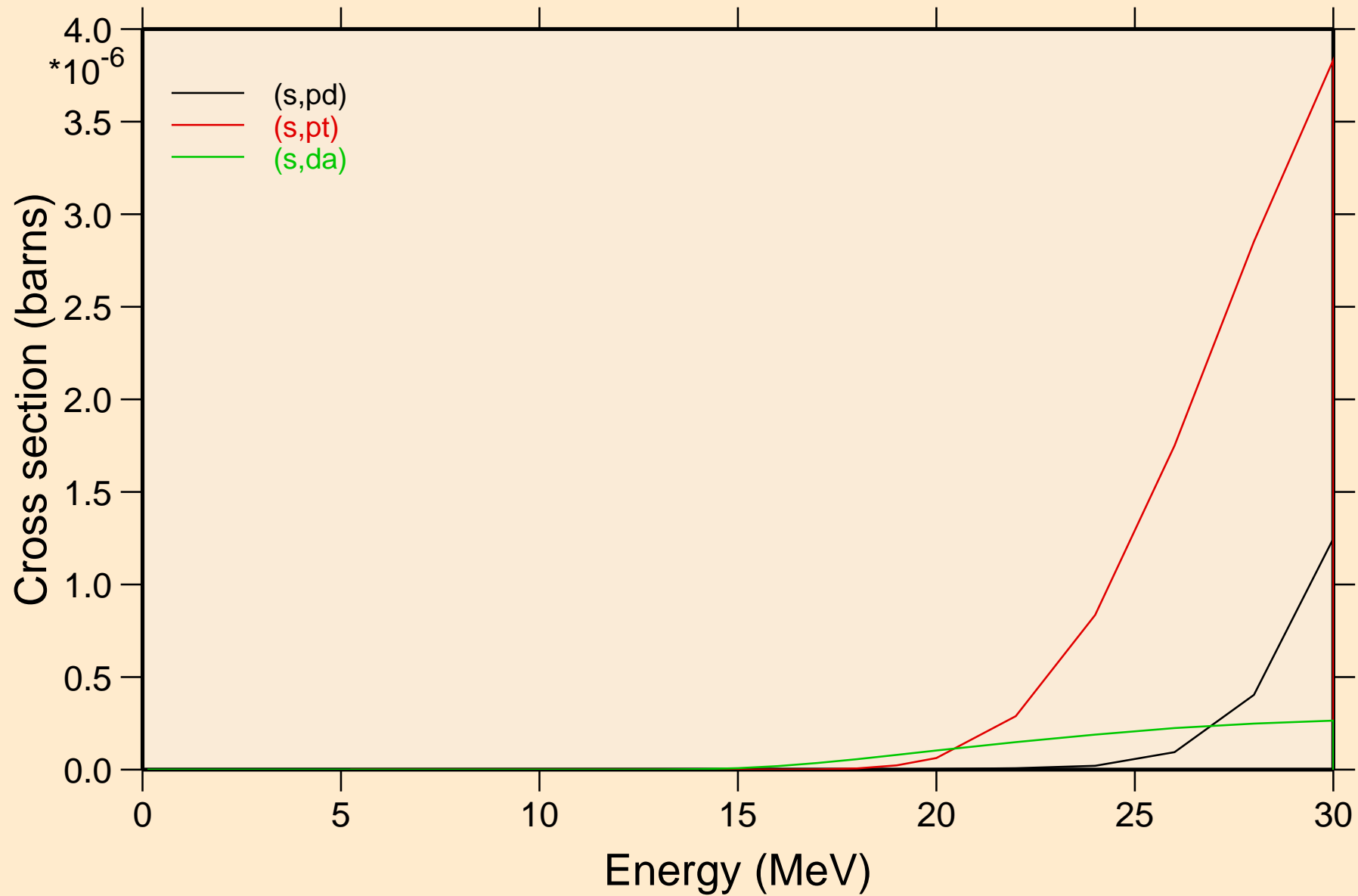
## Threshold reactions



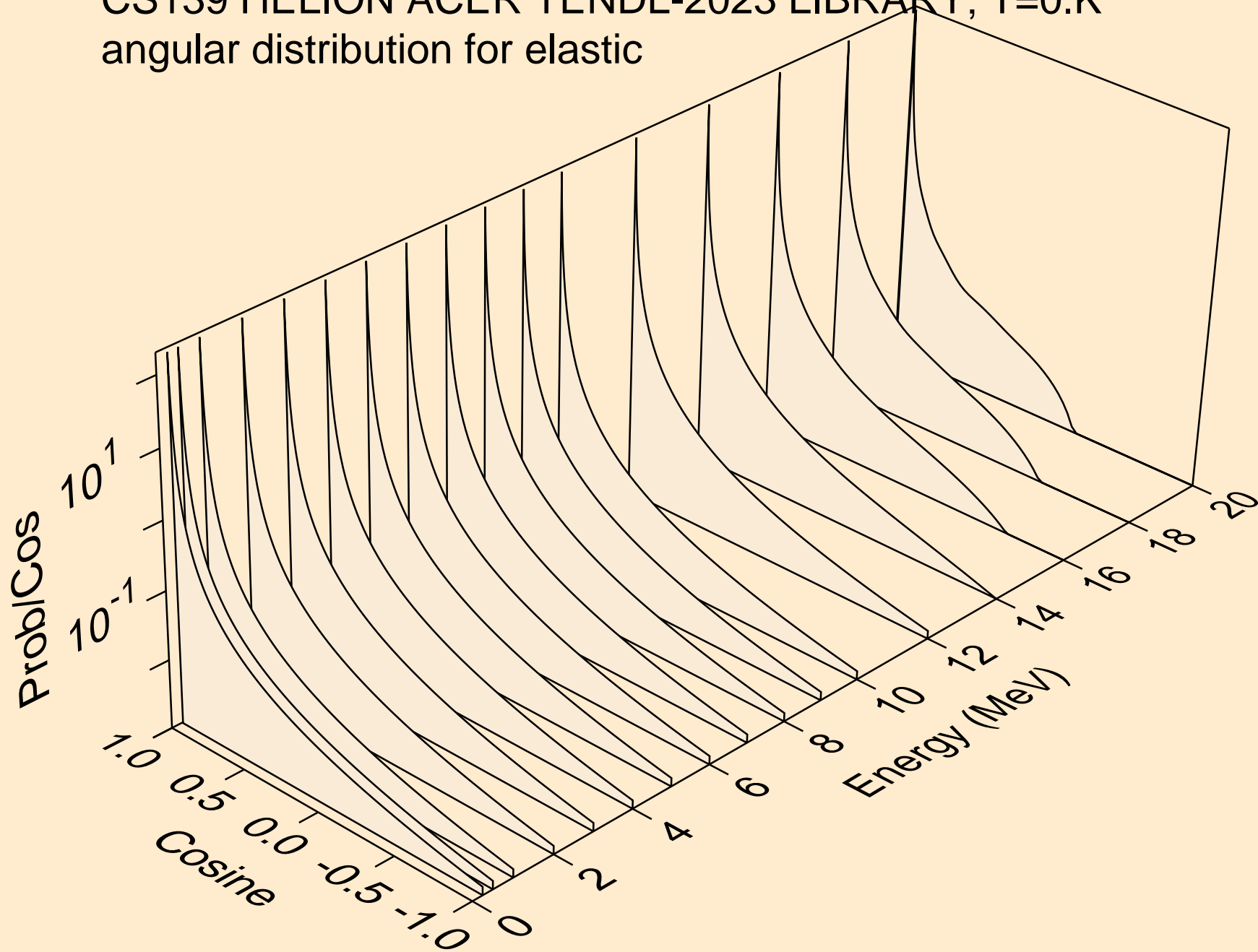
CS139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



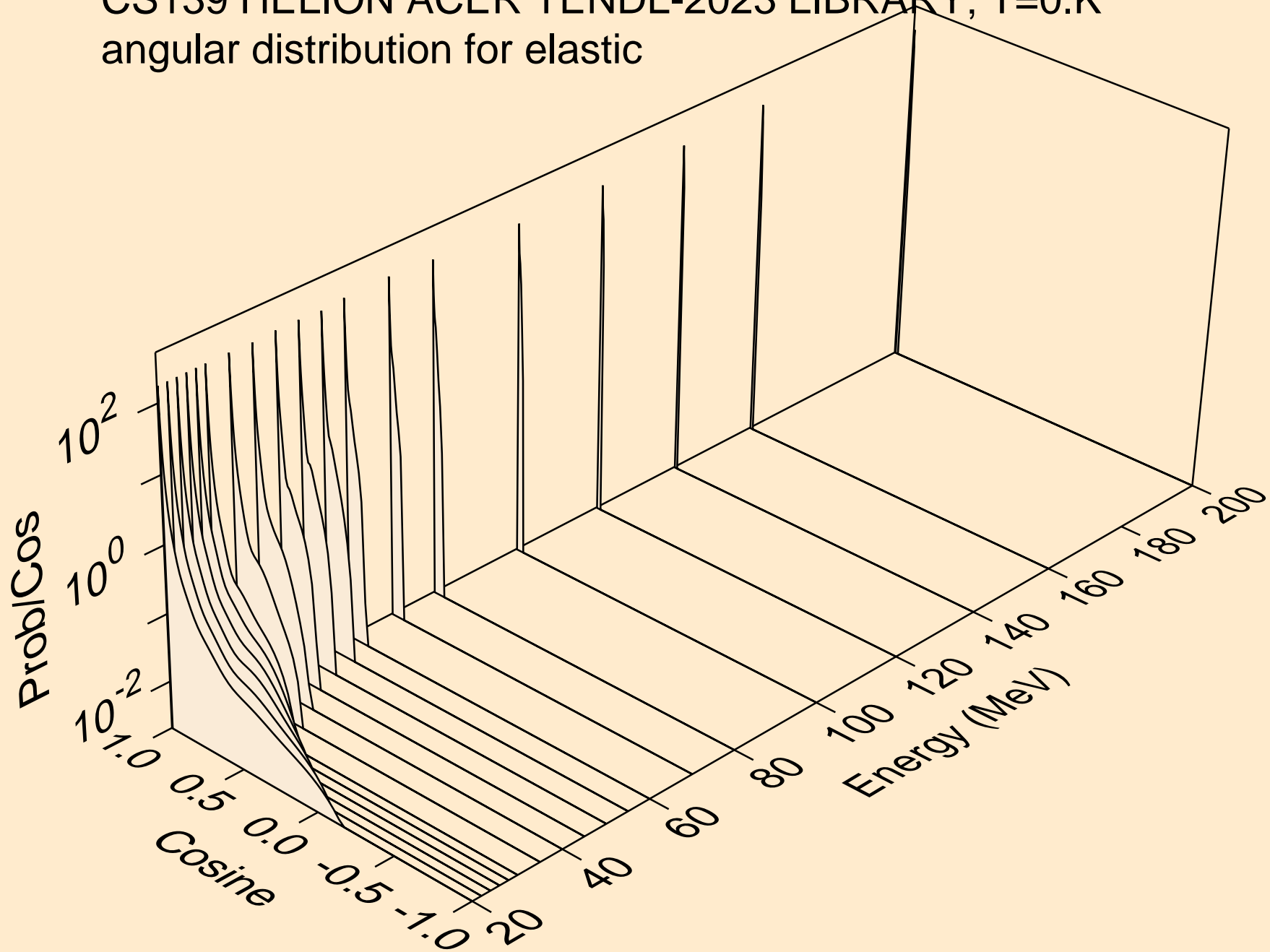
CS139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



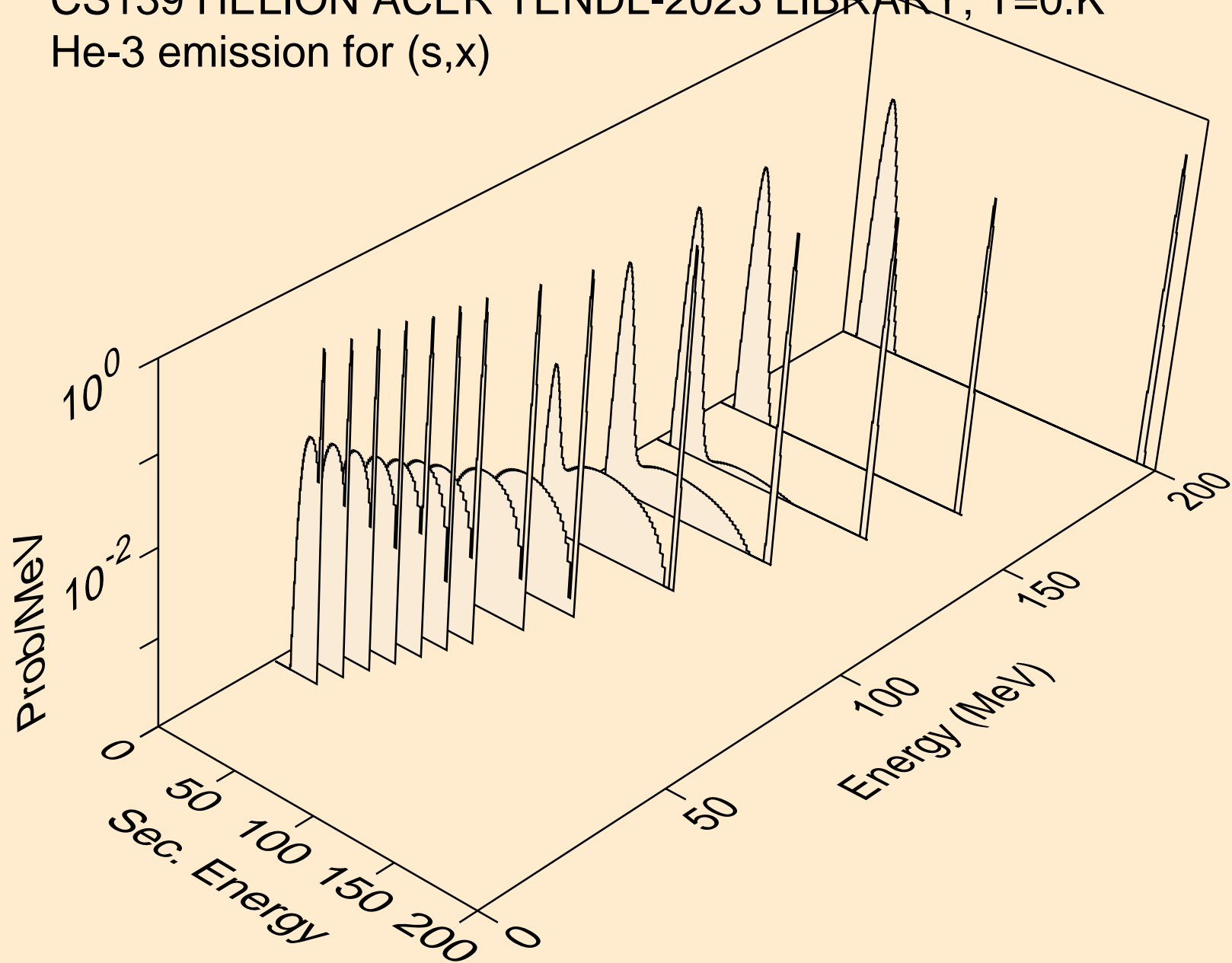
CS139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



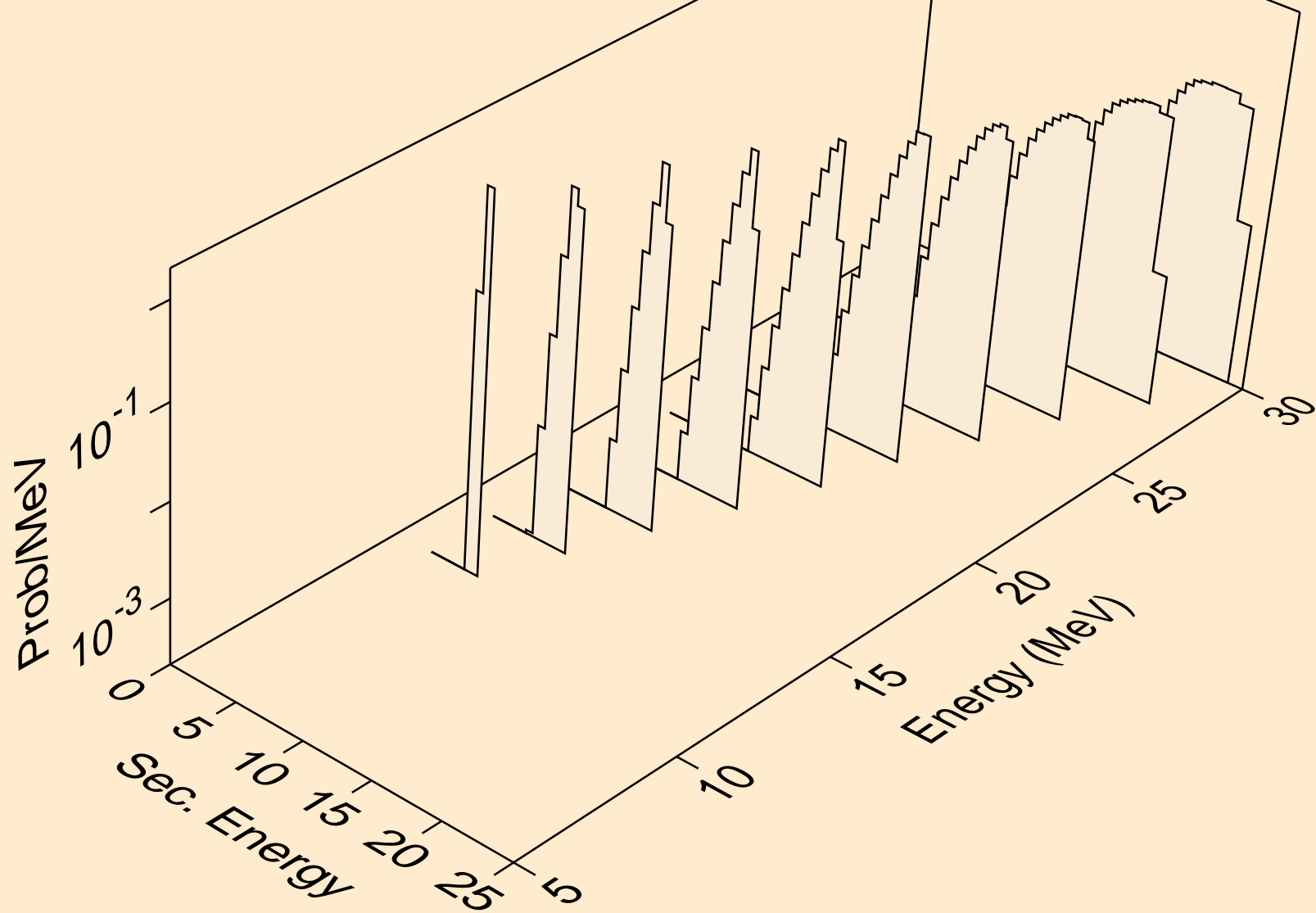
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angular distribution for elastic



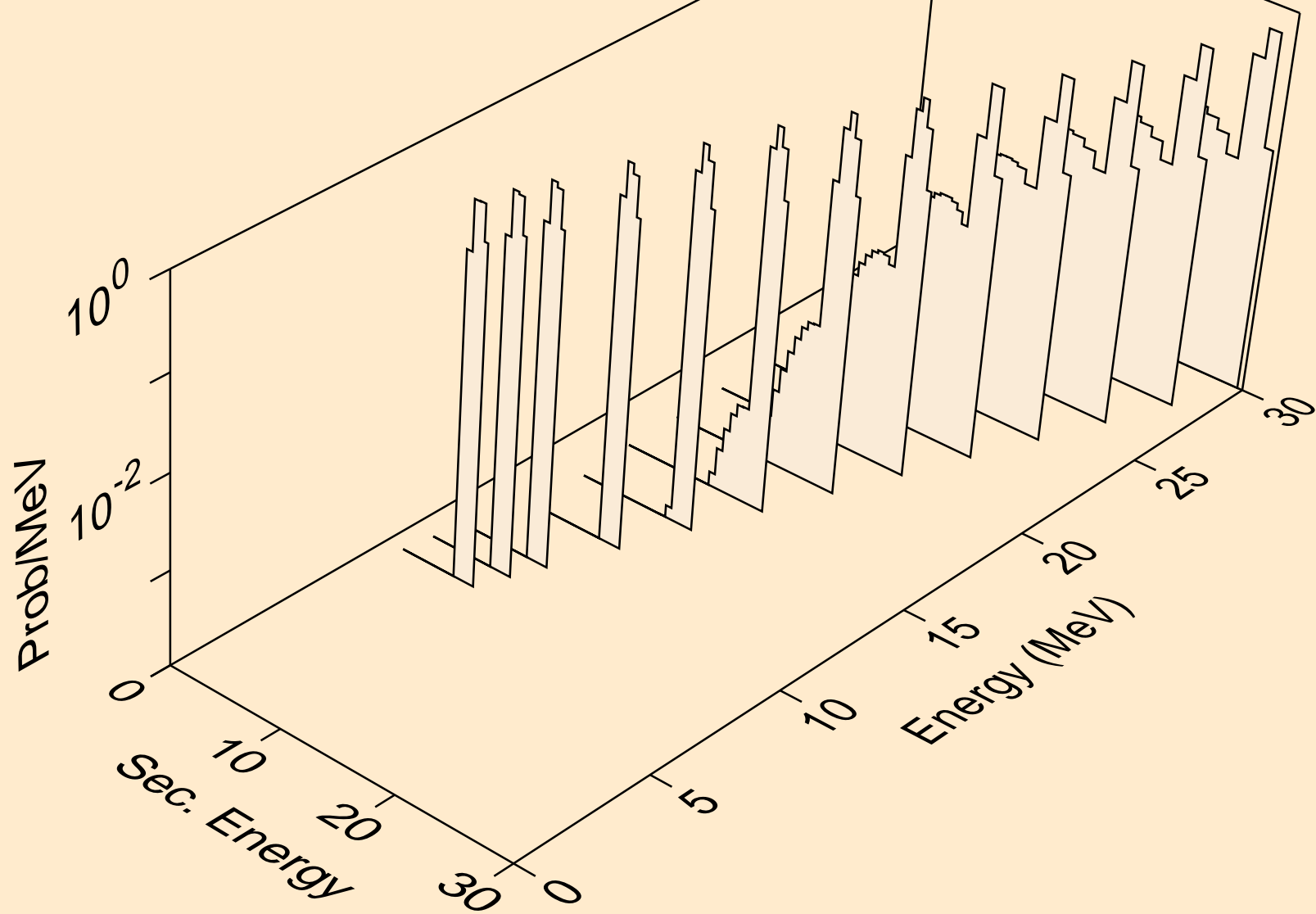
CS139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)



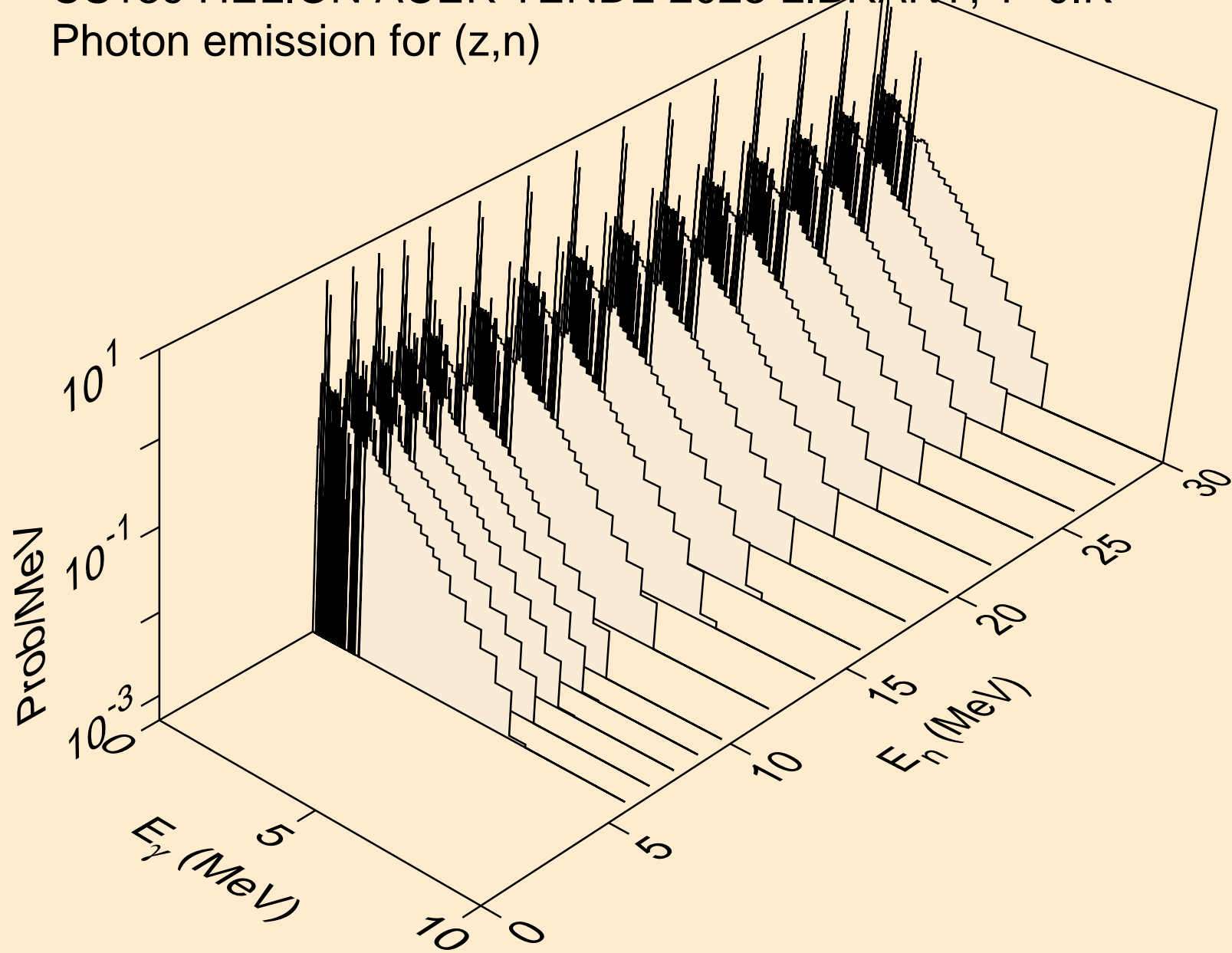
CS139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3



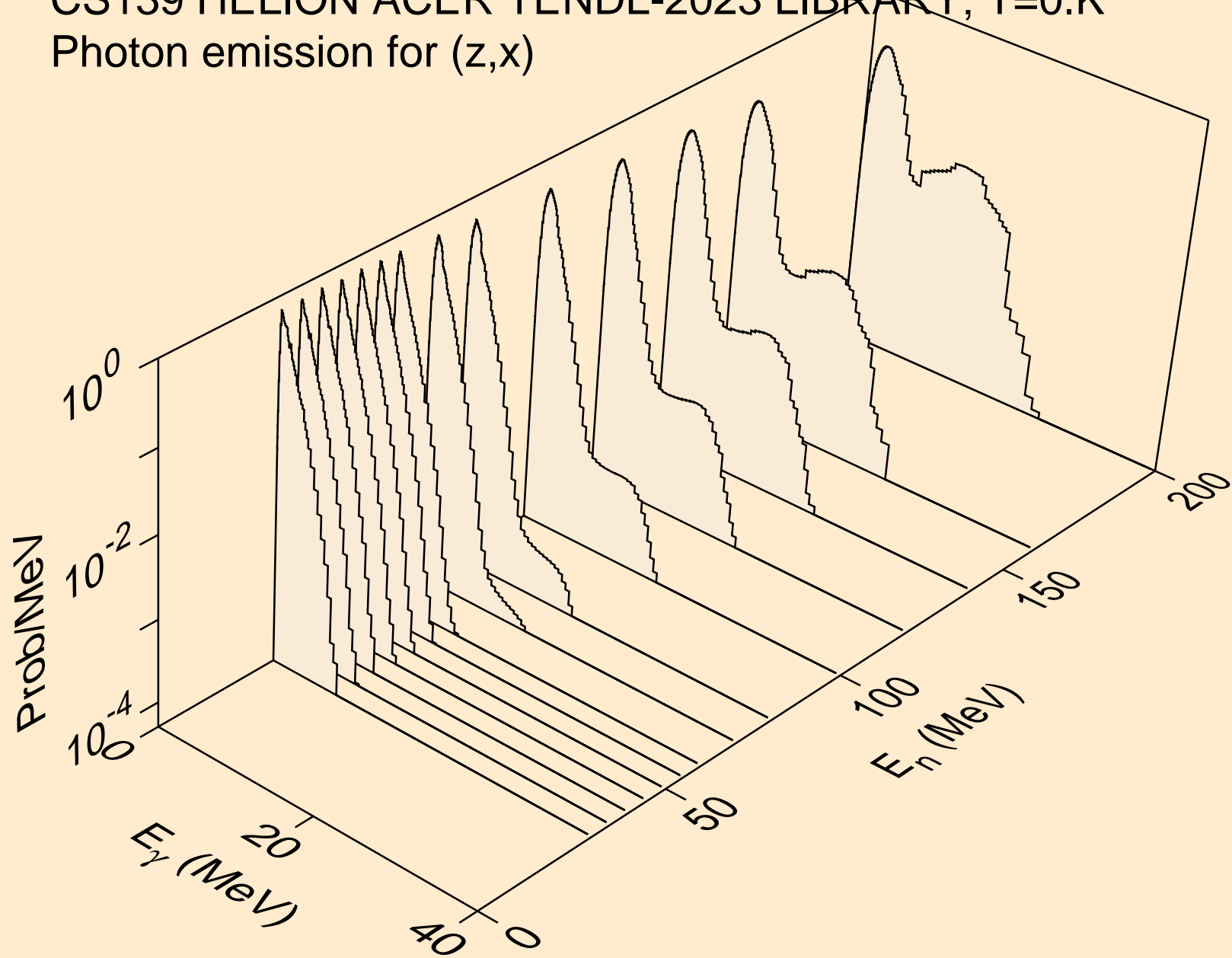
CS139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic



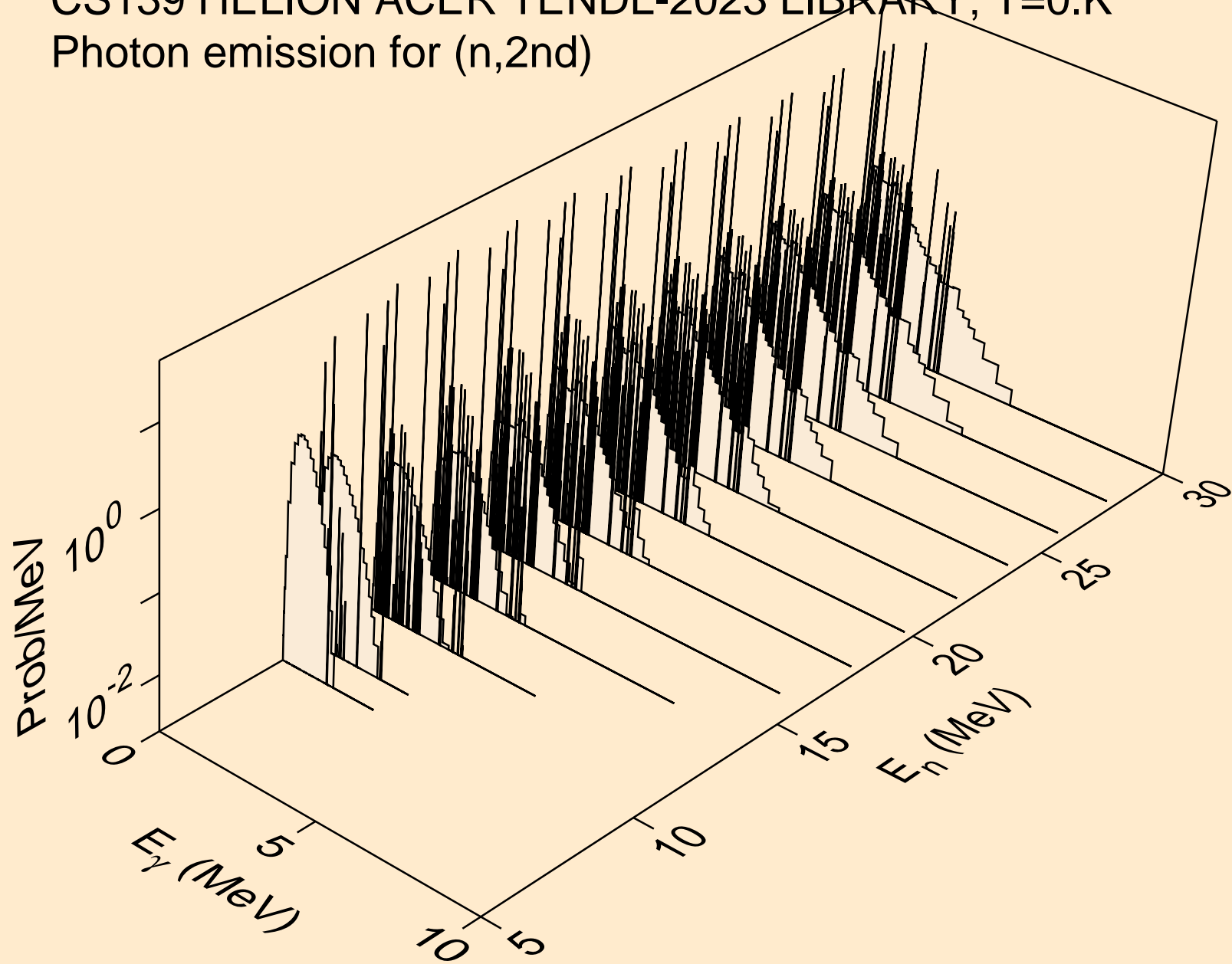
CS139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



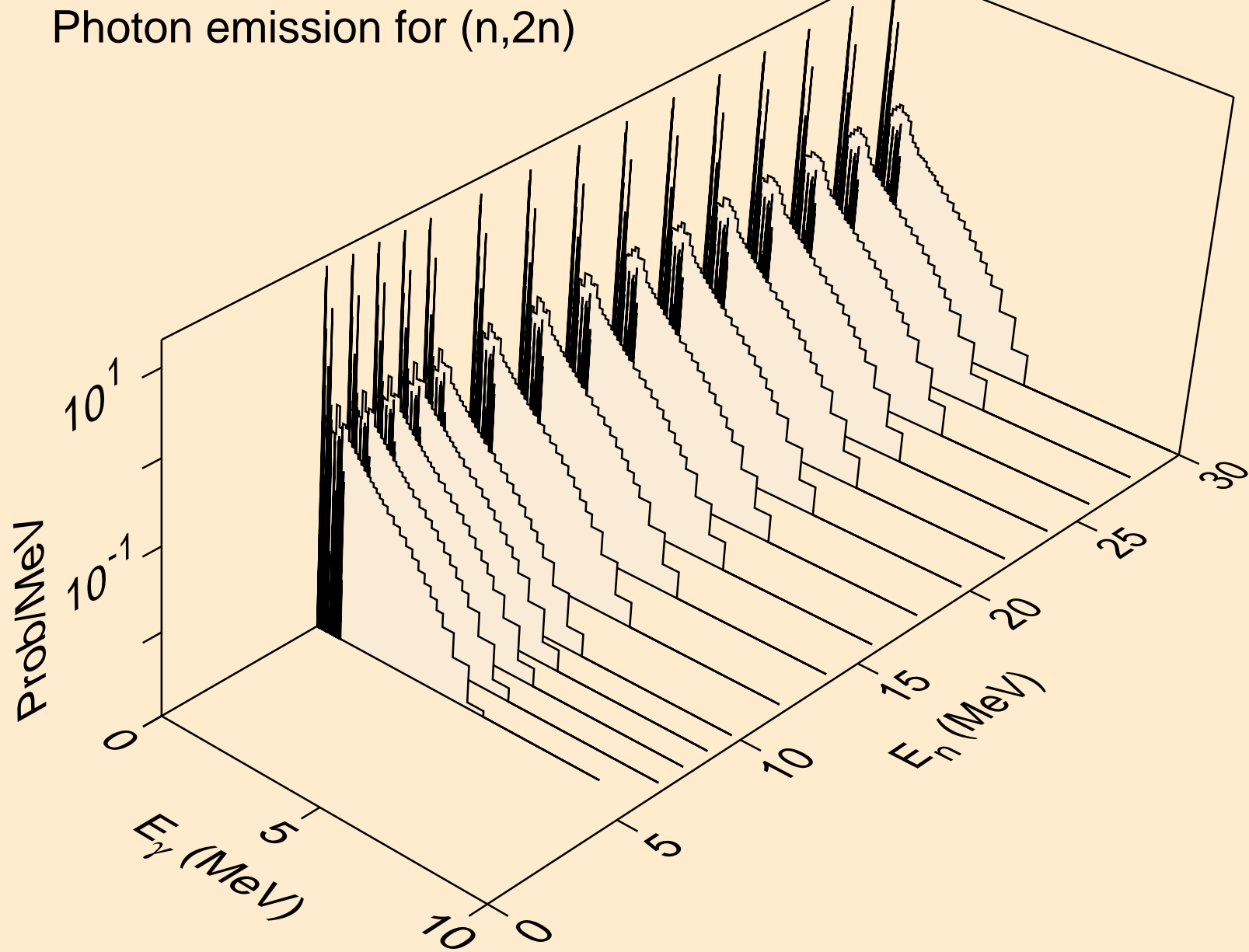
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Photon emission for (z,x)



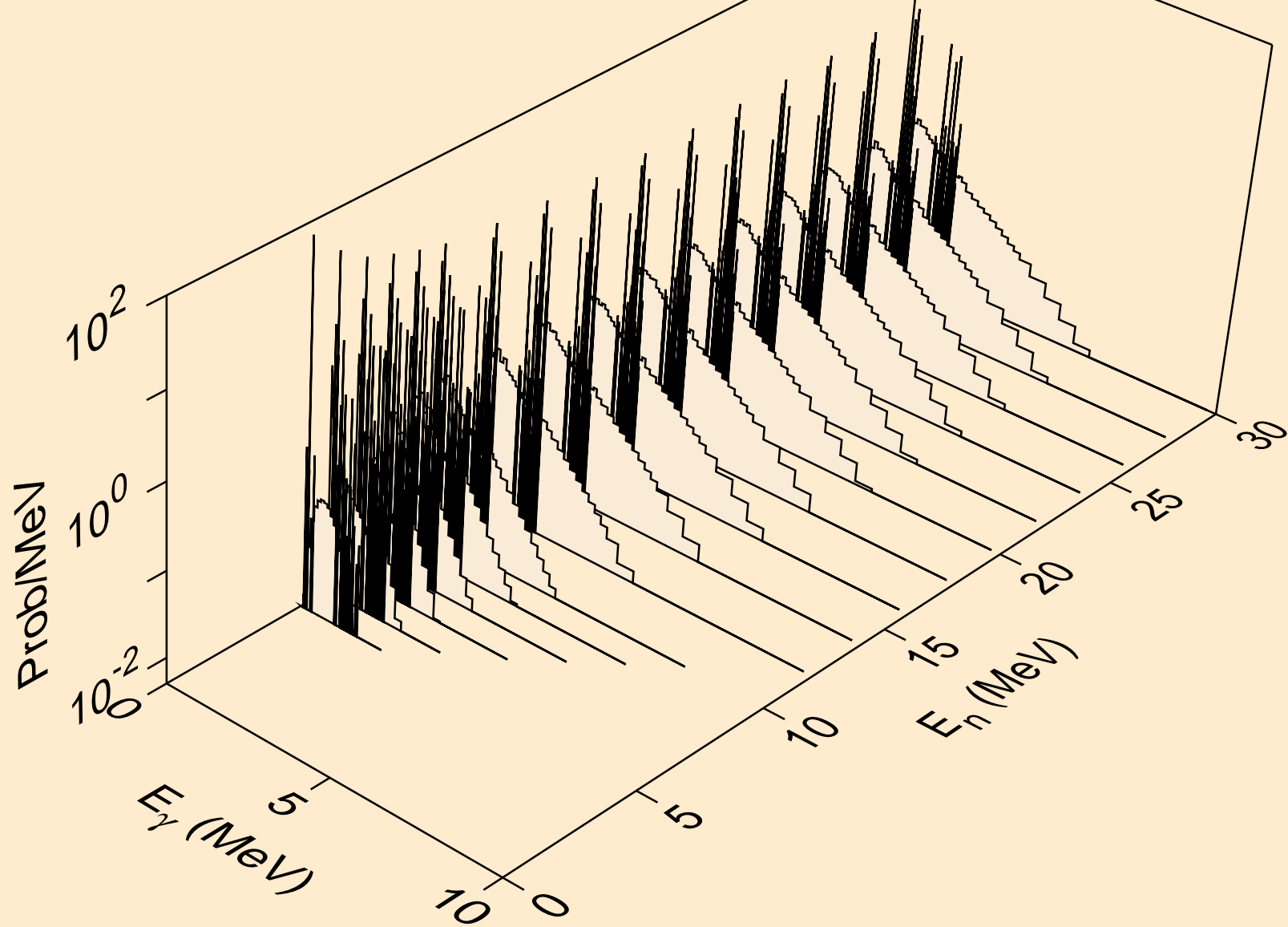
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Photon emission for (n,2nd)



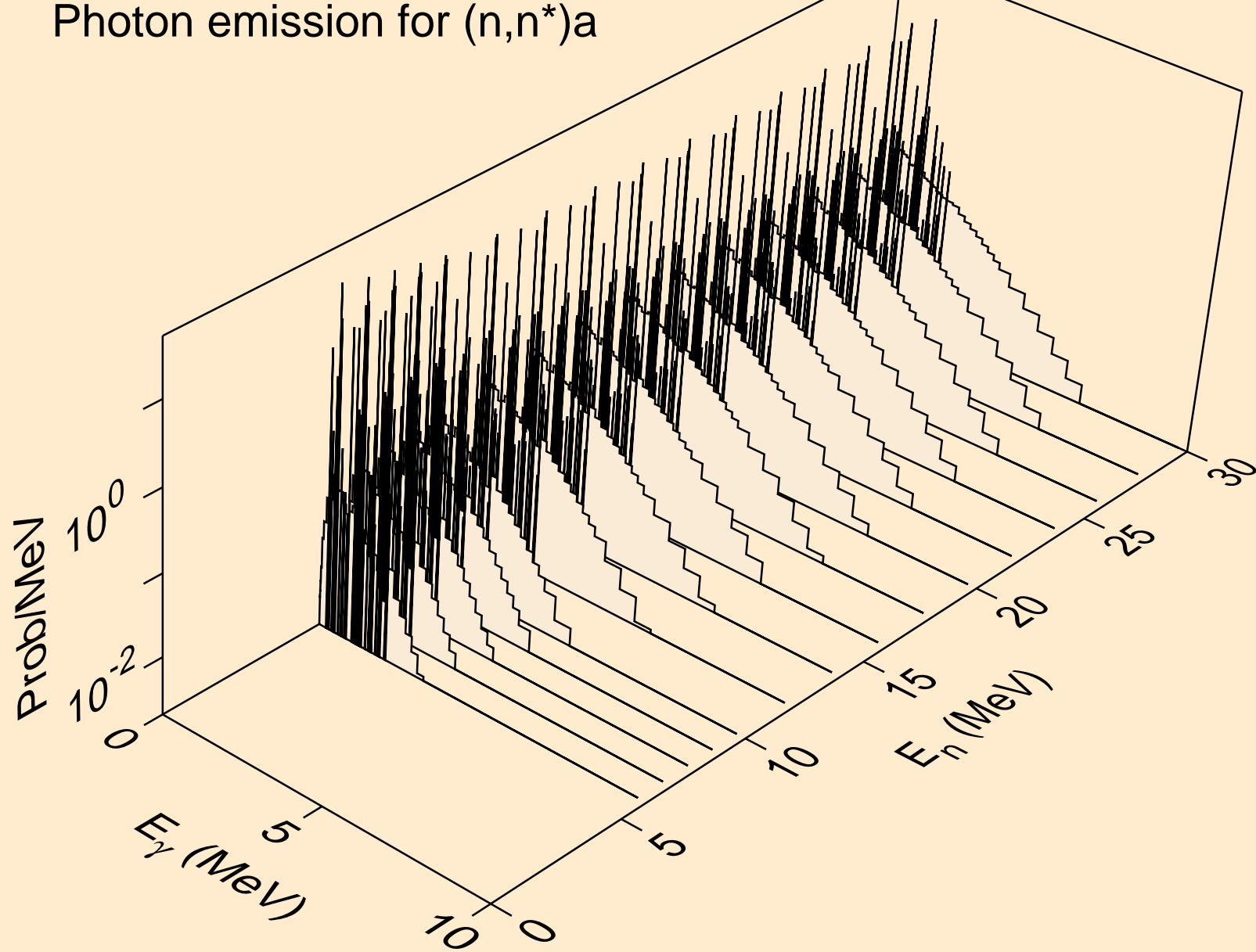
CS139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



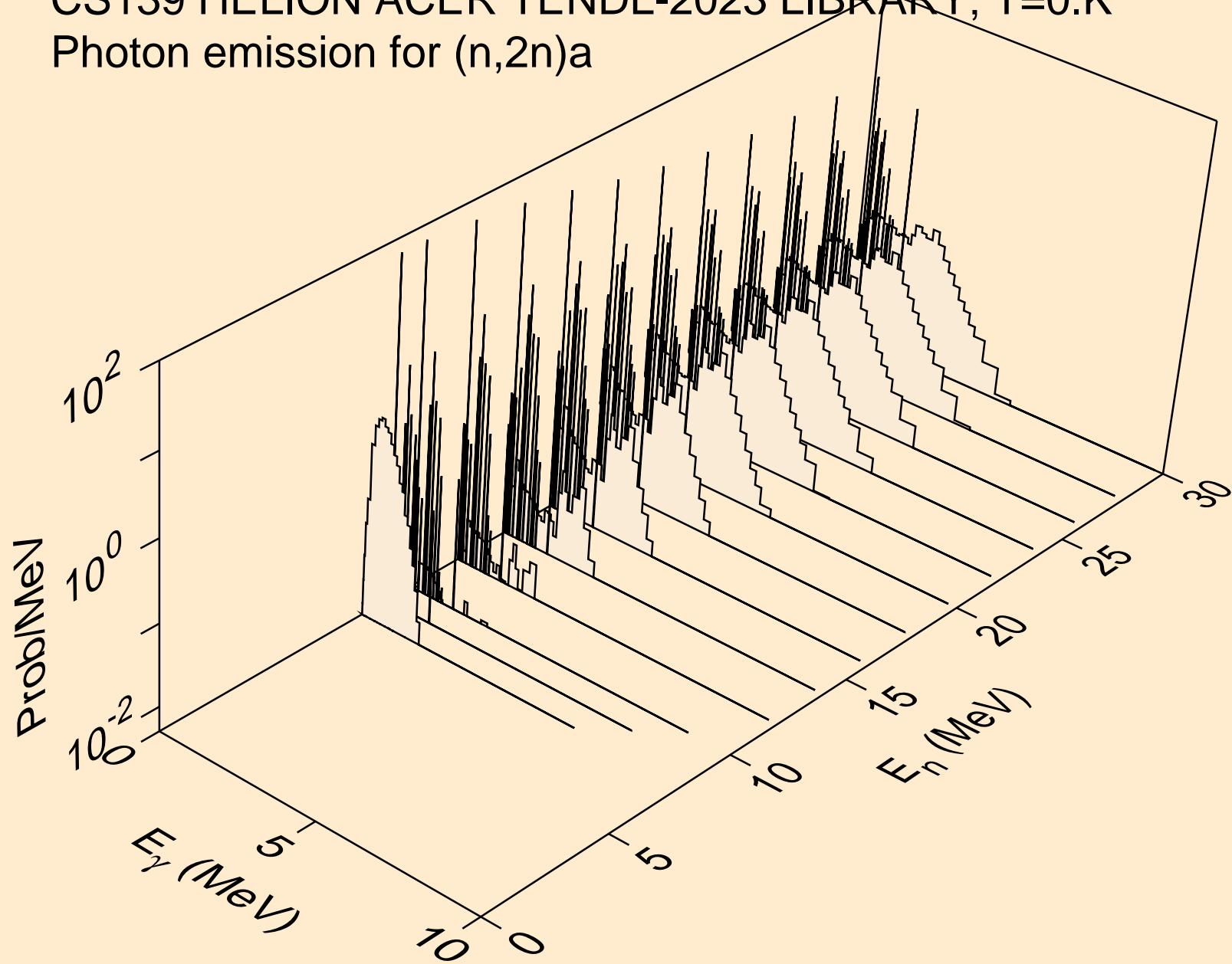
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Photon emission for (n,3n)



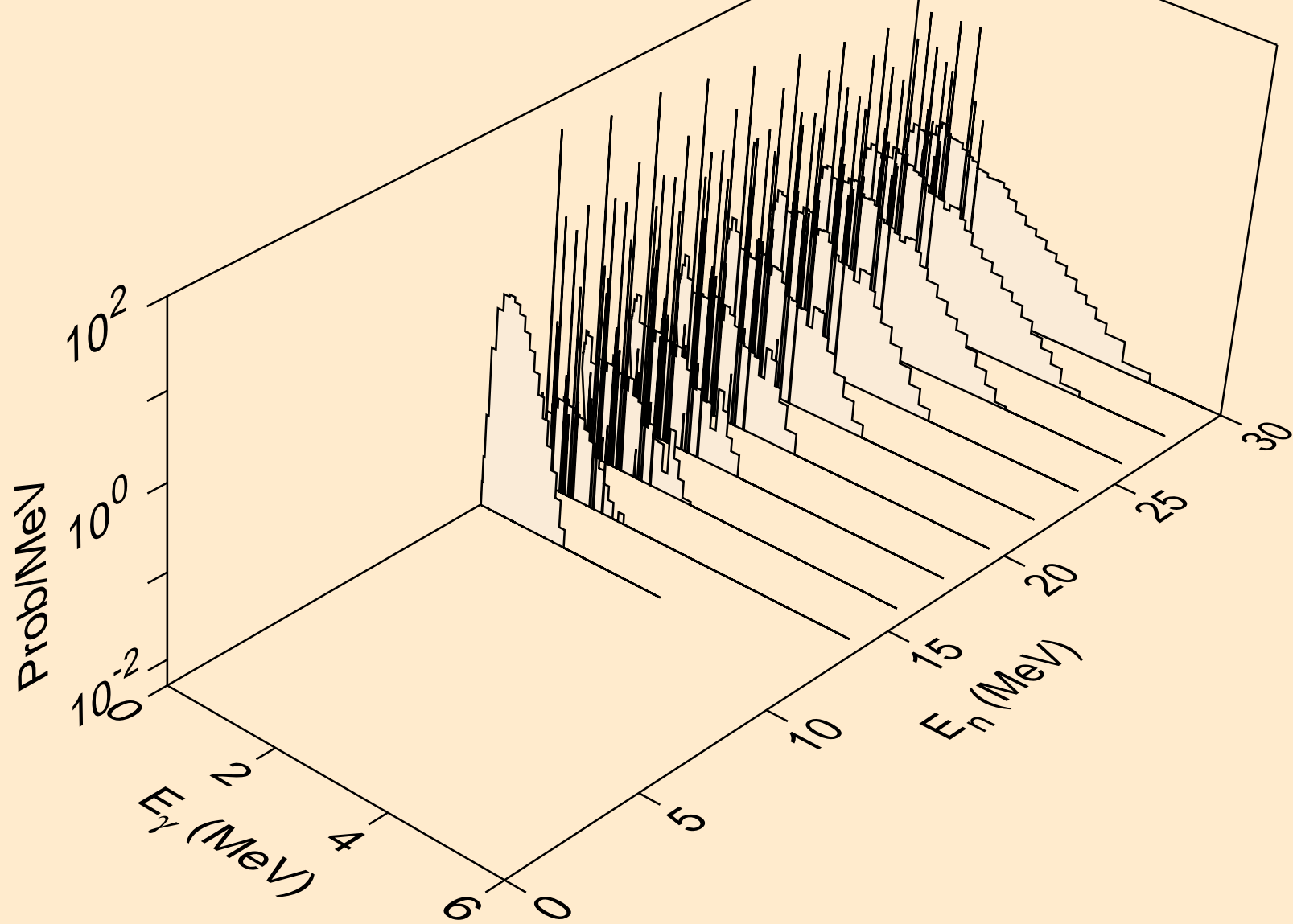
CS139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



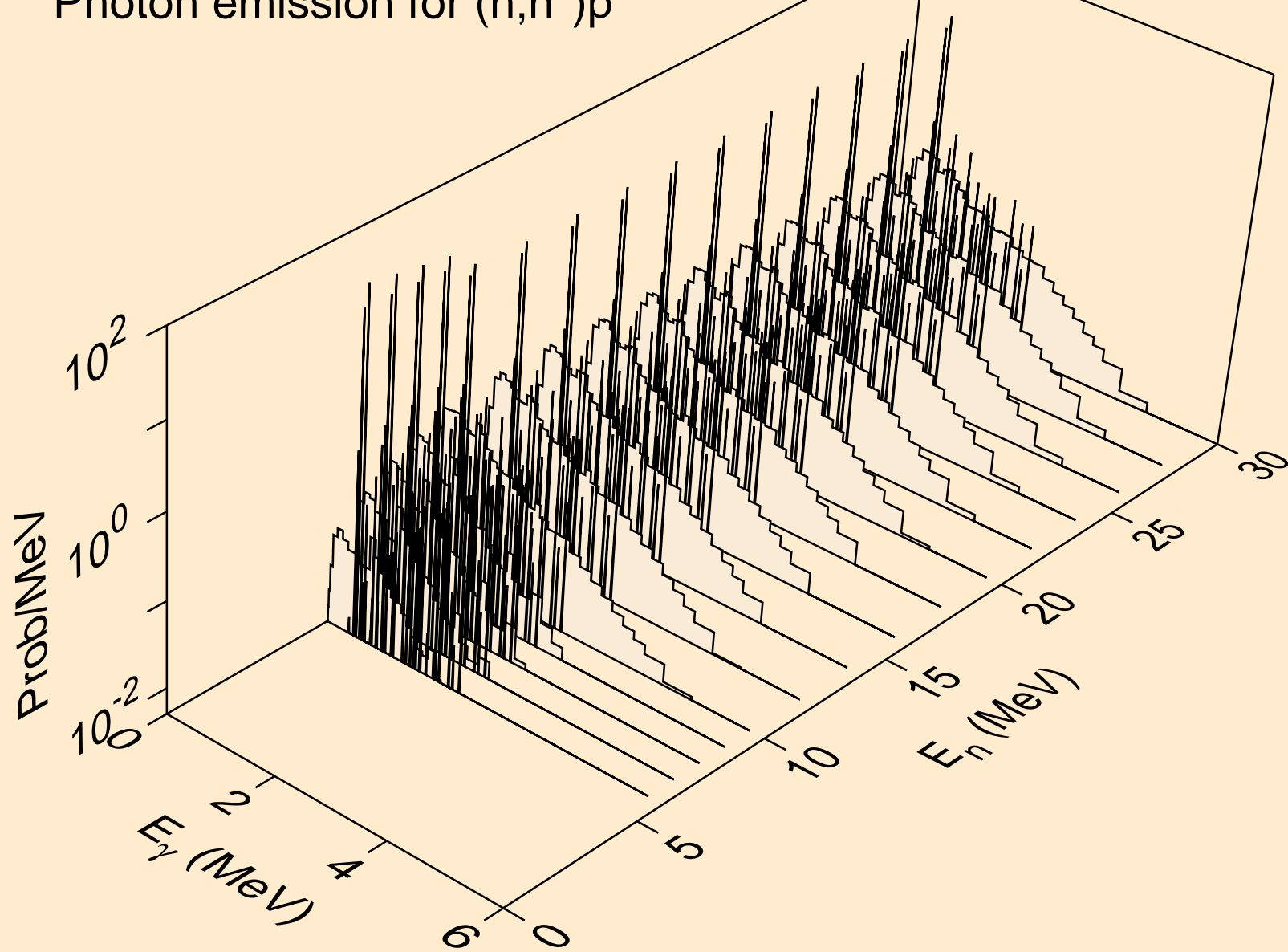
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Photon emission for (n,2n)a



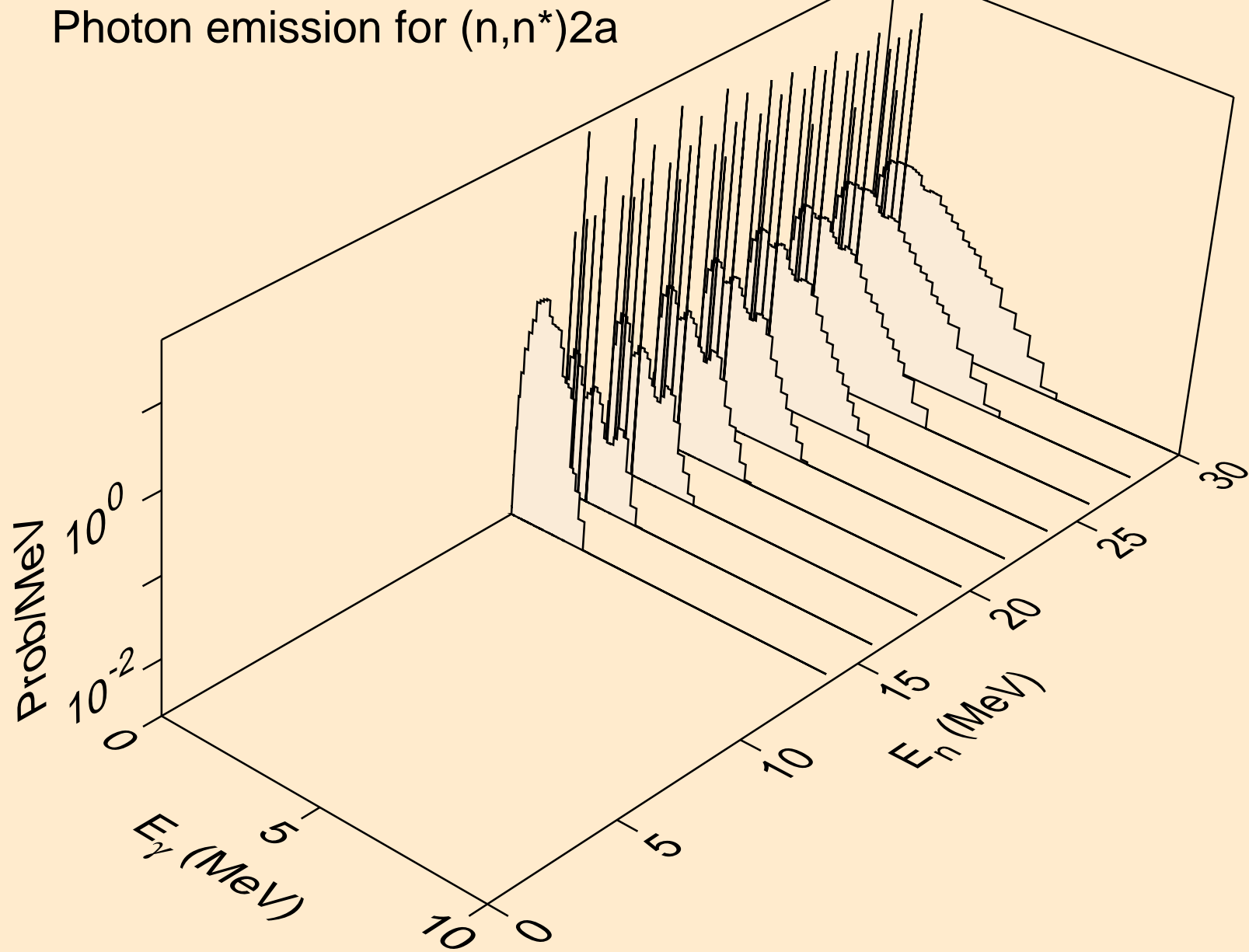
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Photon emission for (n,3n)a



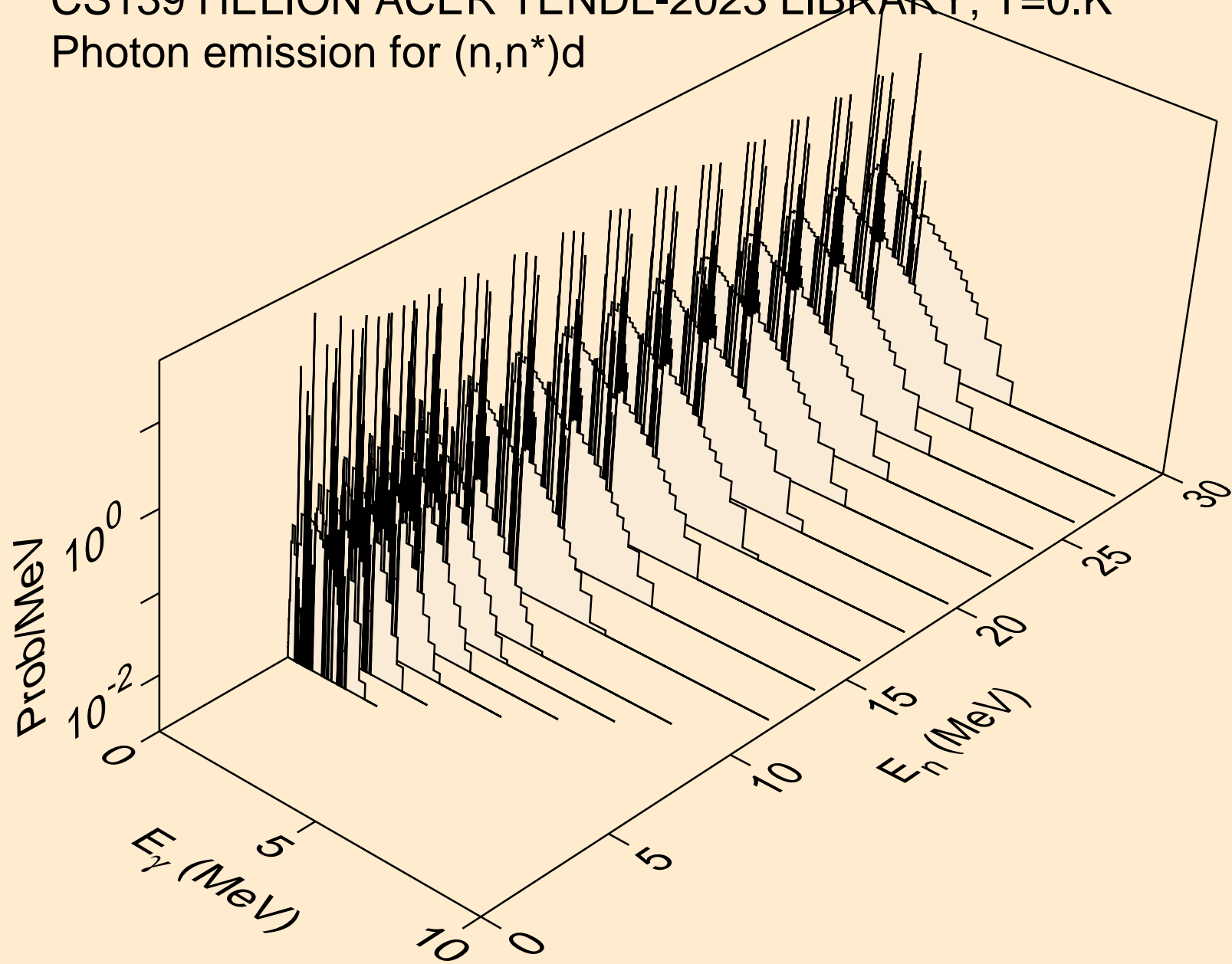
CS139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



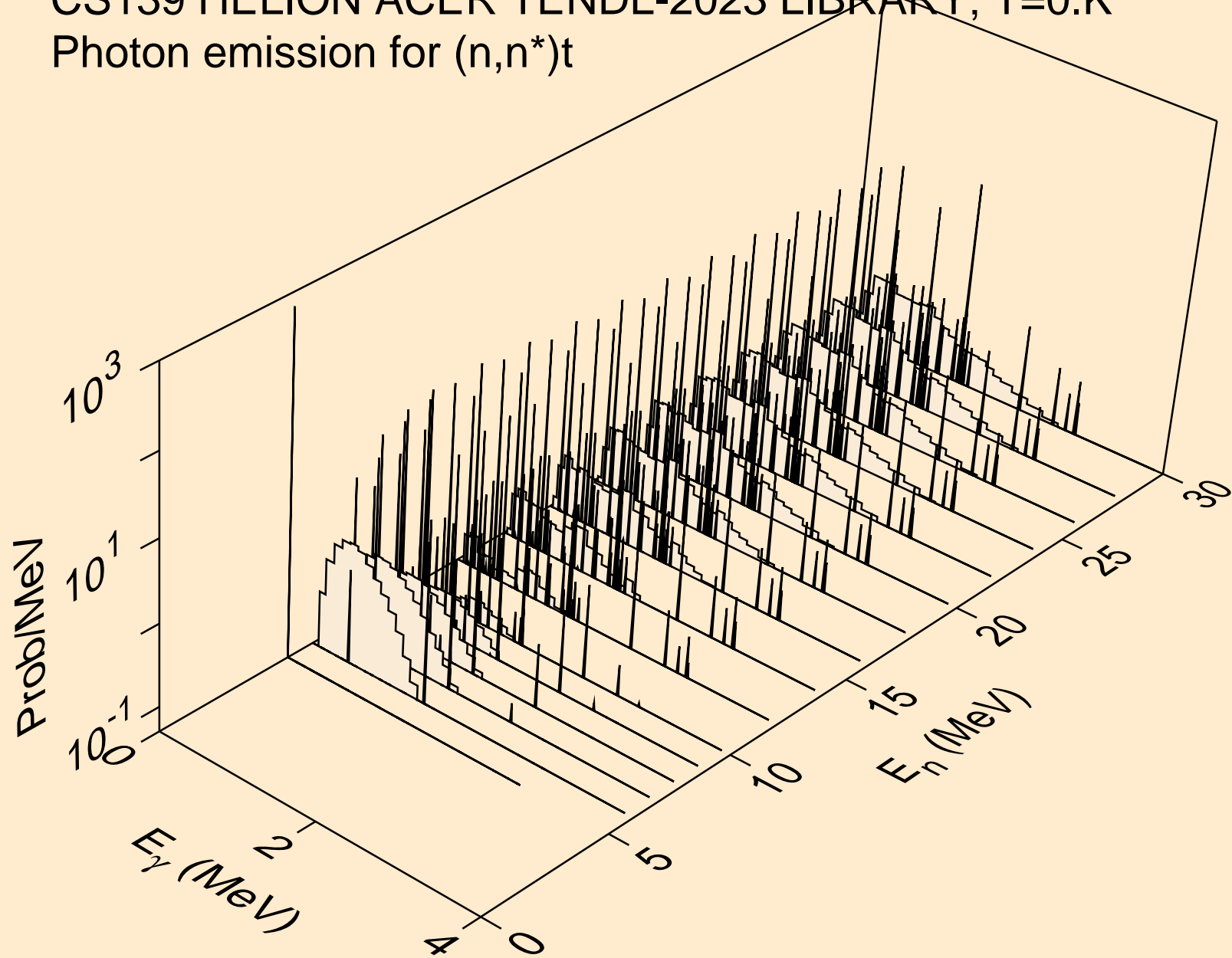
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Photon emission for (n,n\*)2a



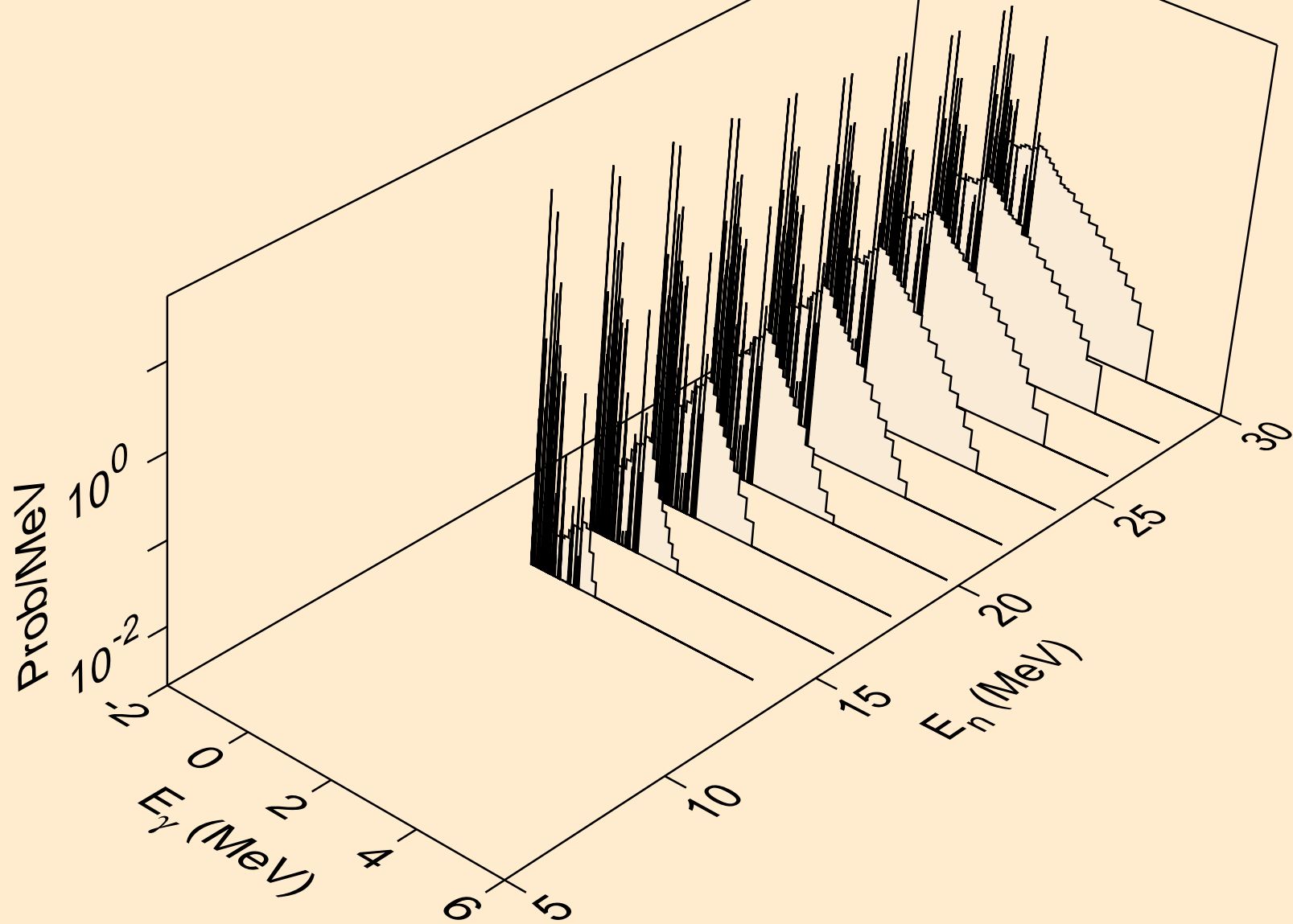
CS139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



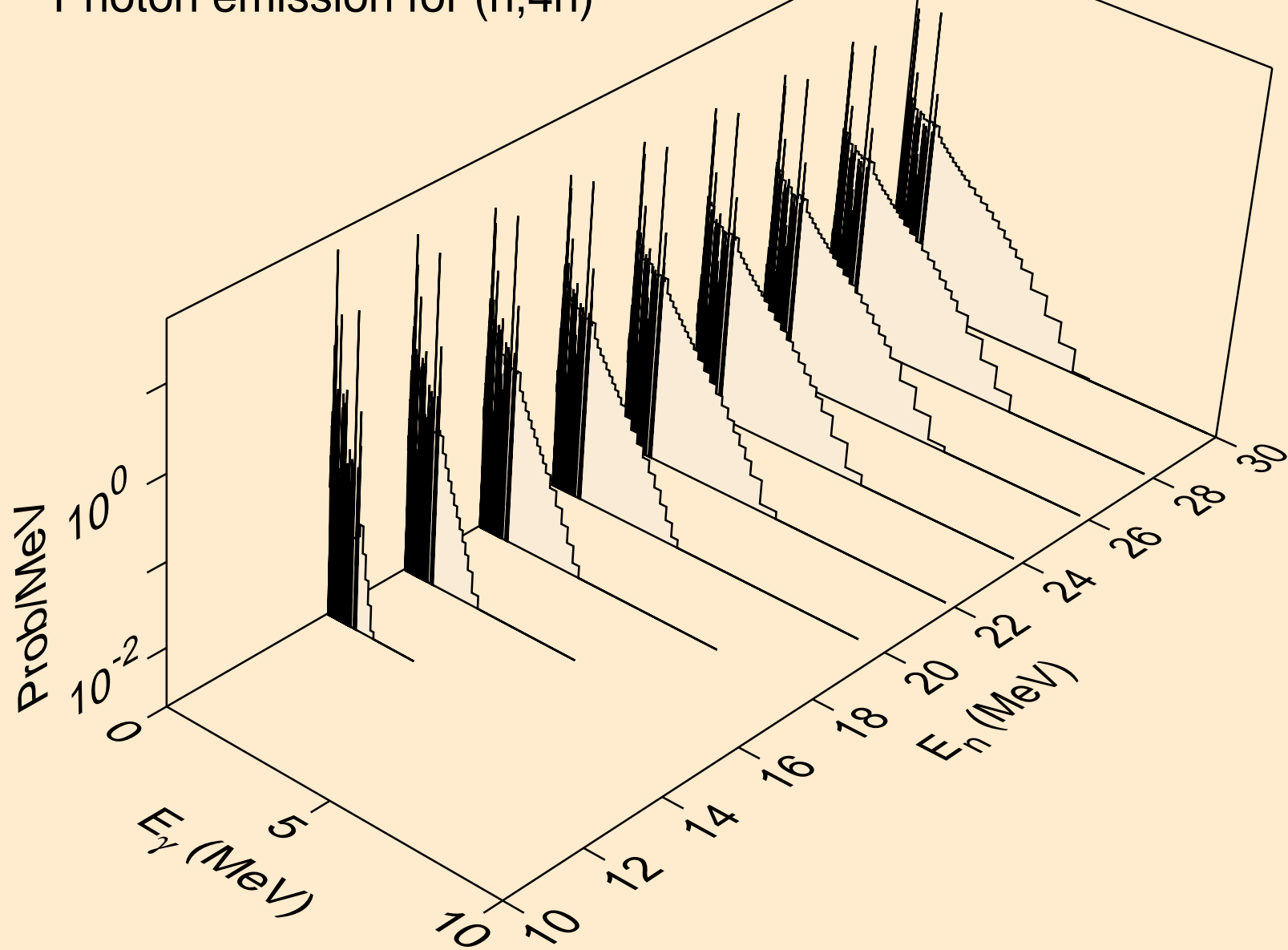
CS139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



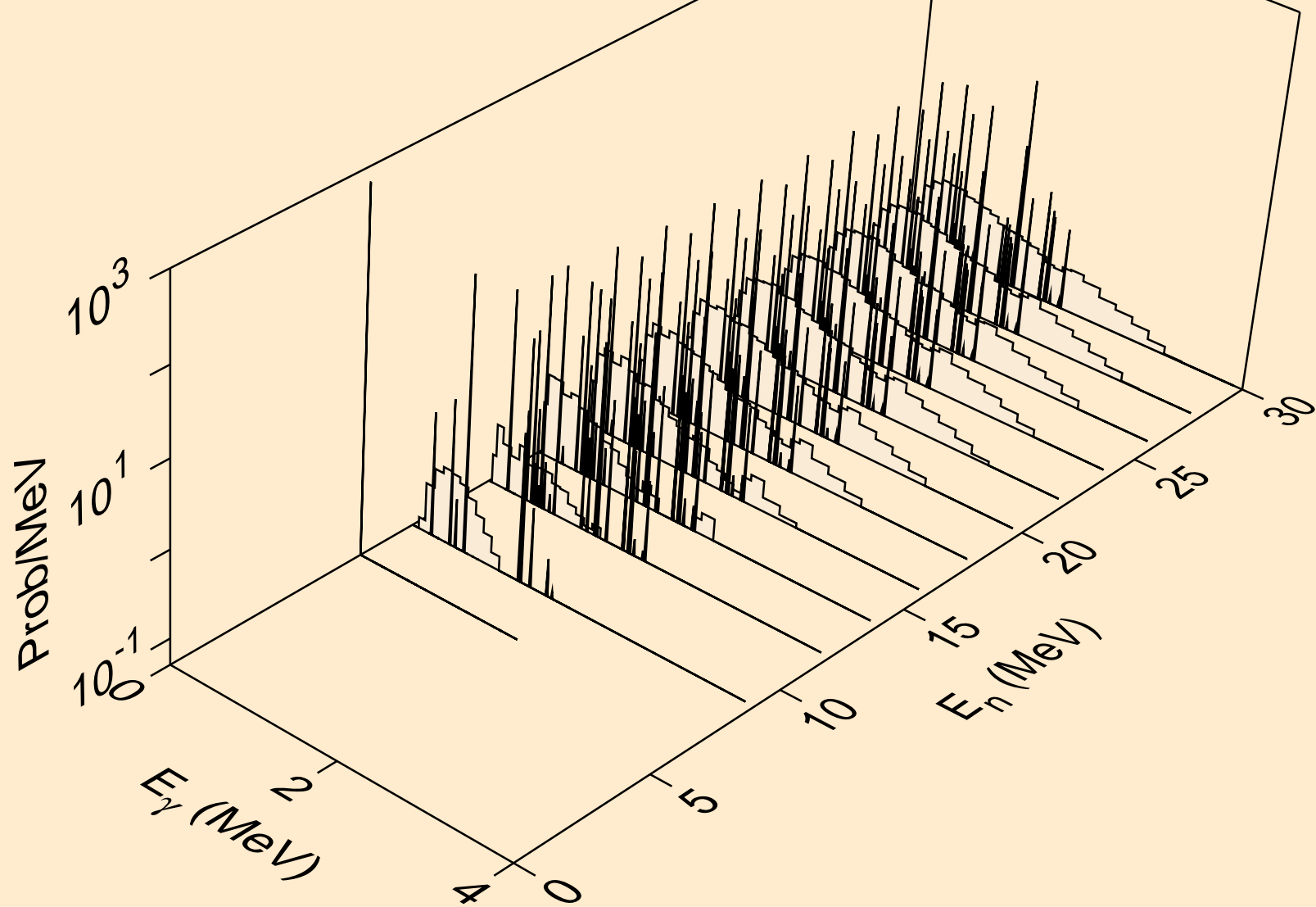
CS139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



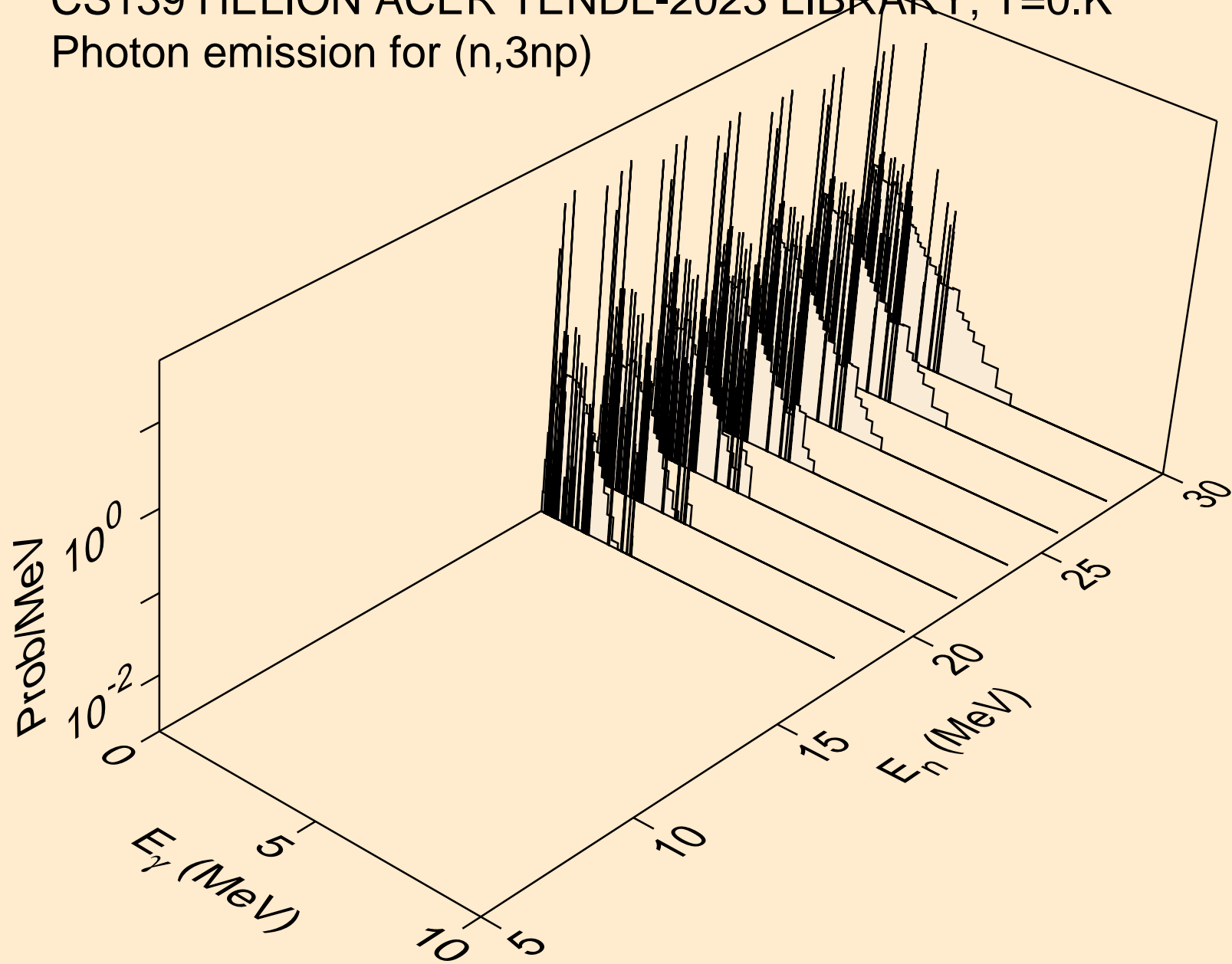
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Photon emission for (n,4n)



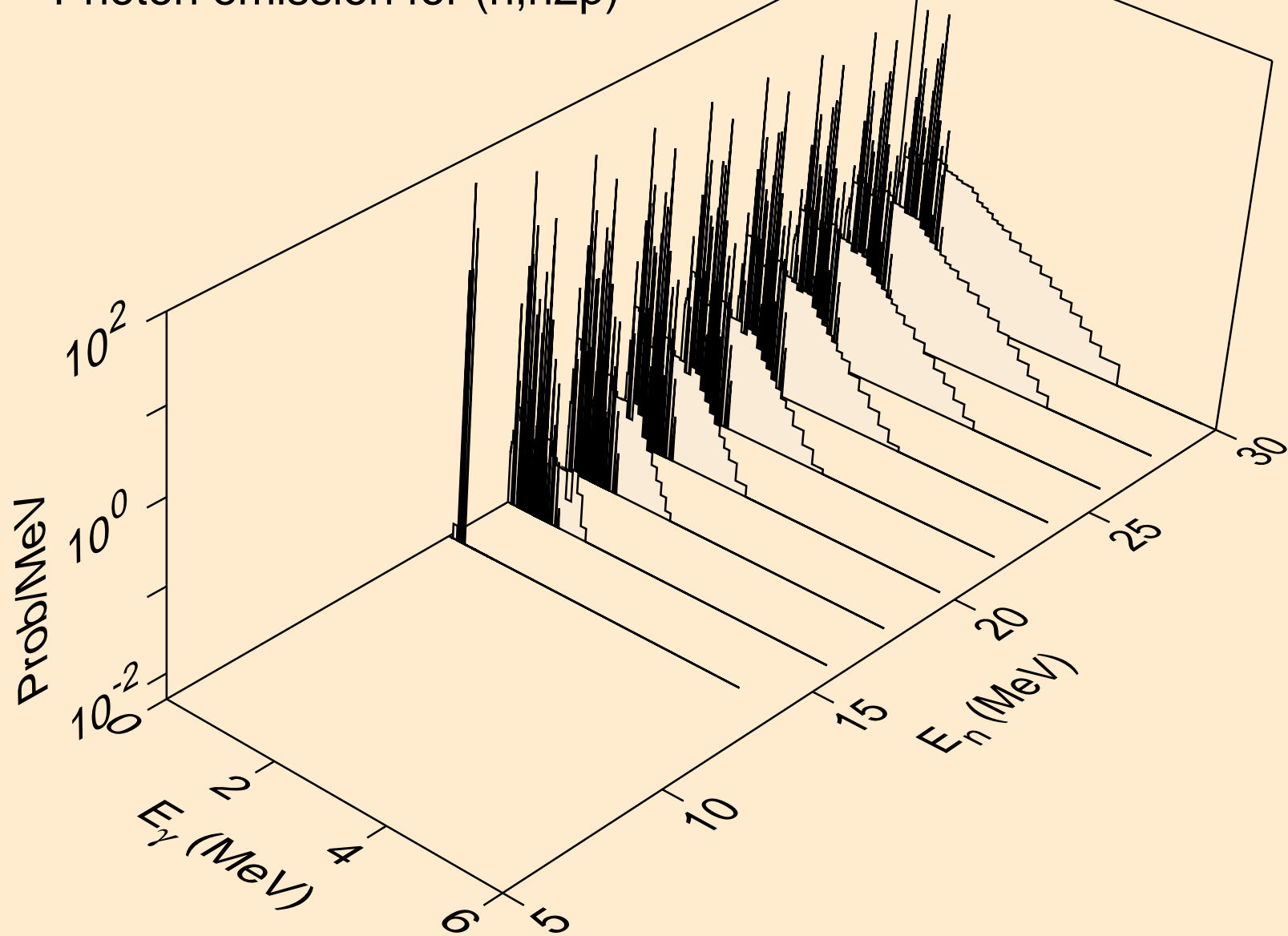
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Photon emission for (n,2np)



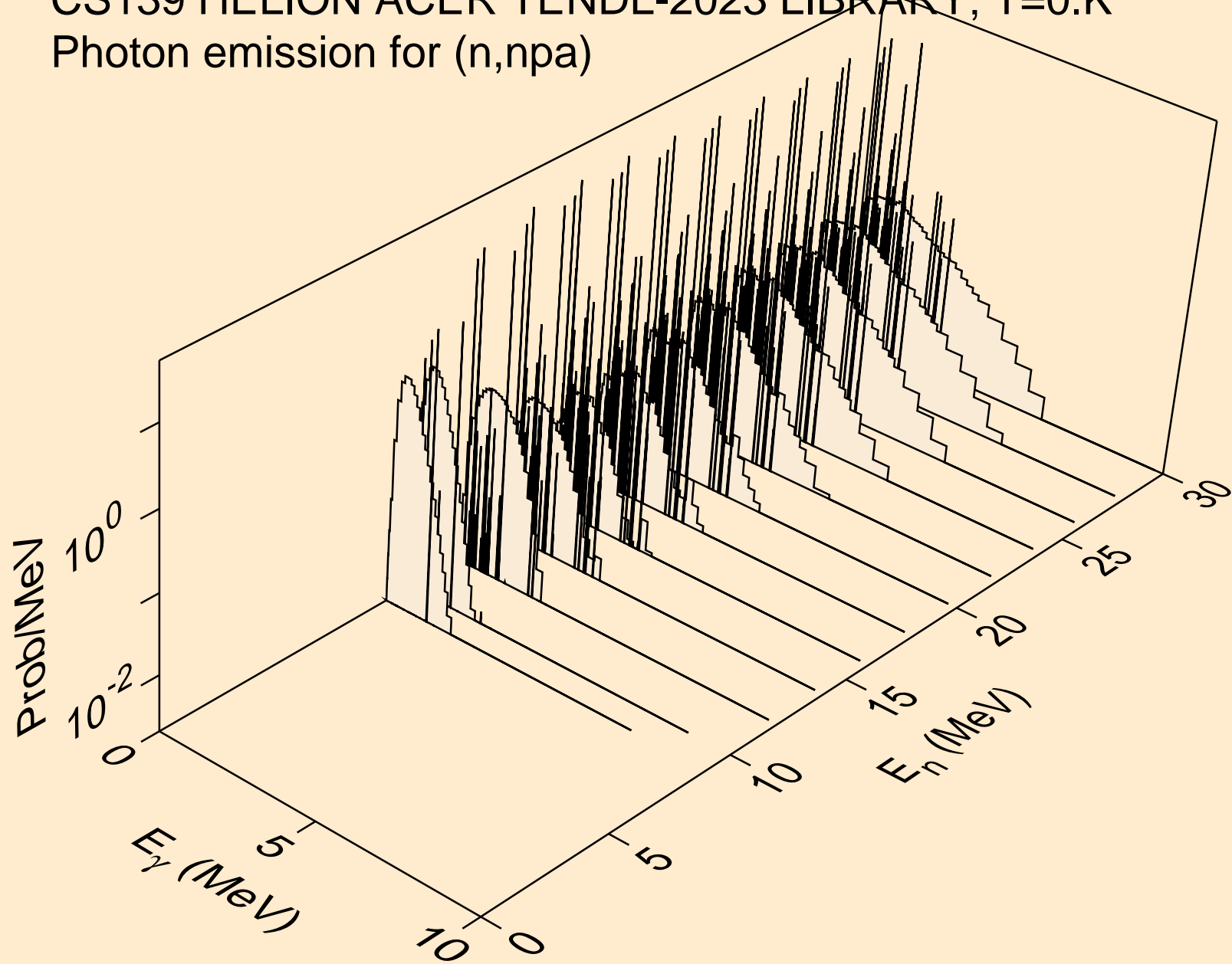
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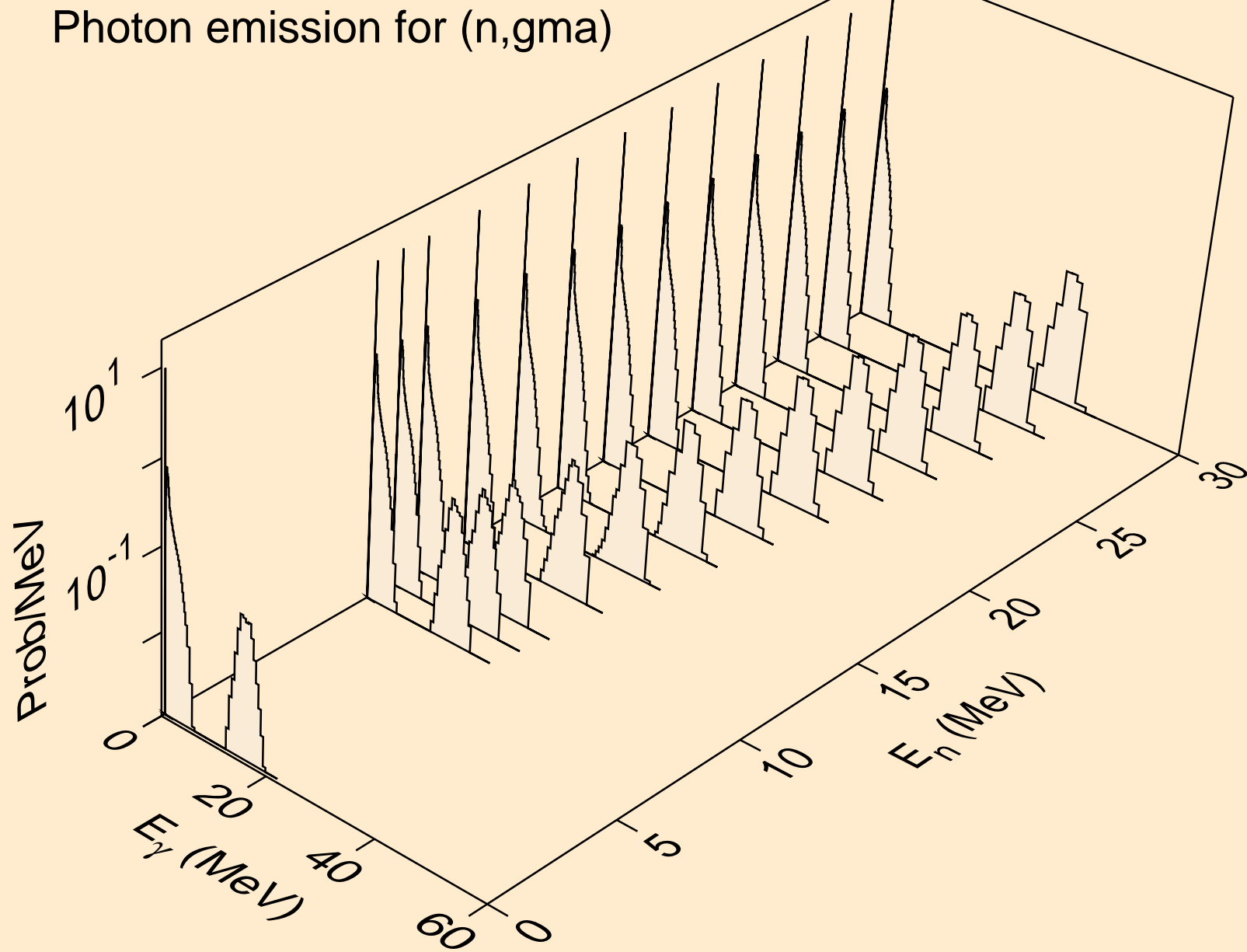
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Photon emission for (n,n2p)



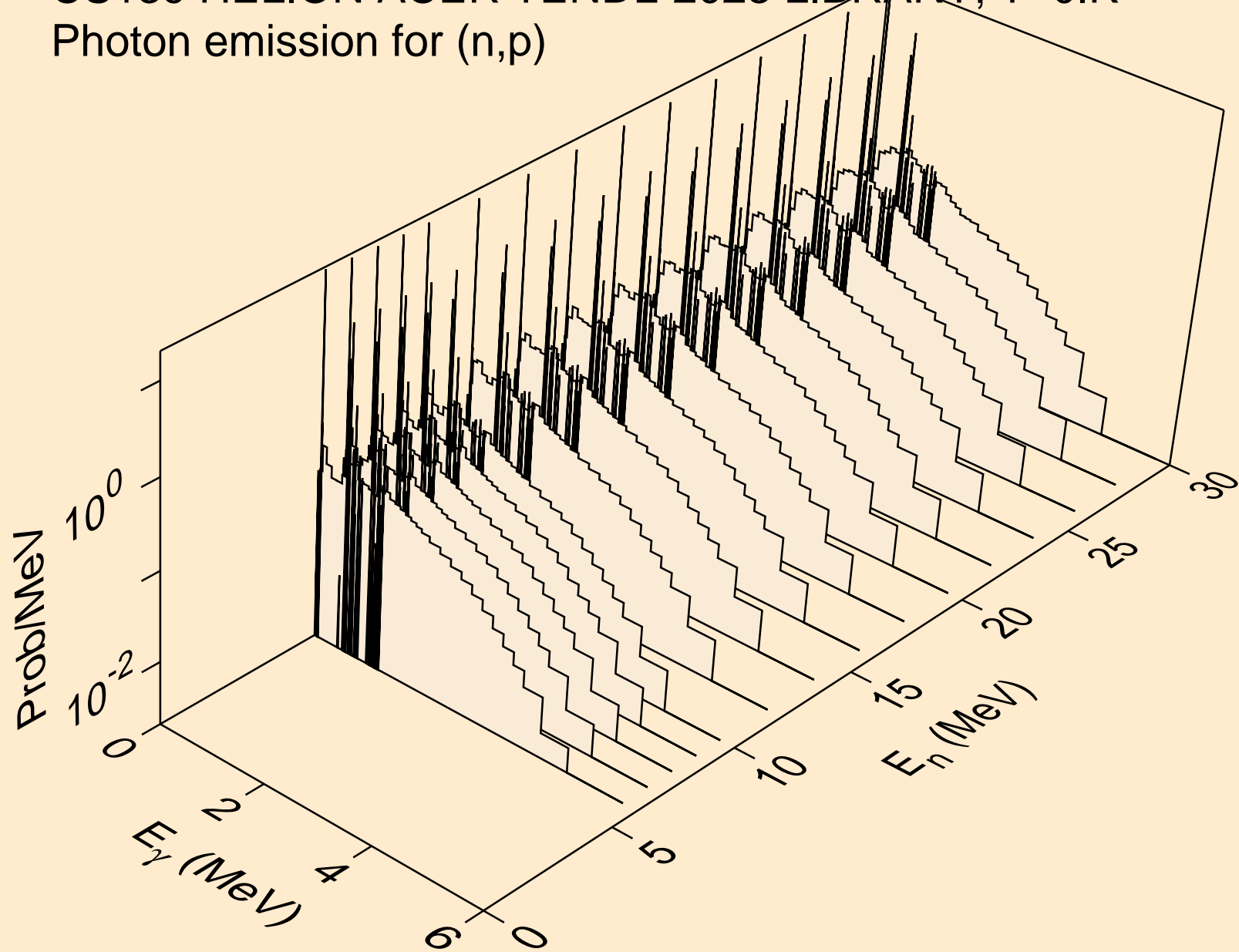
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Photon emission for (n,npa)



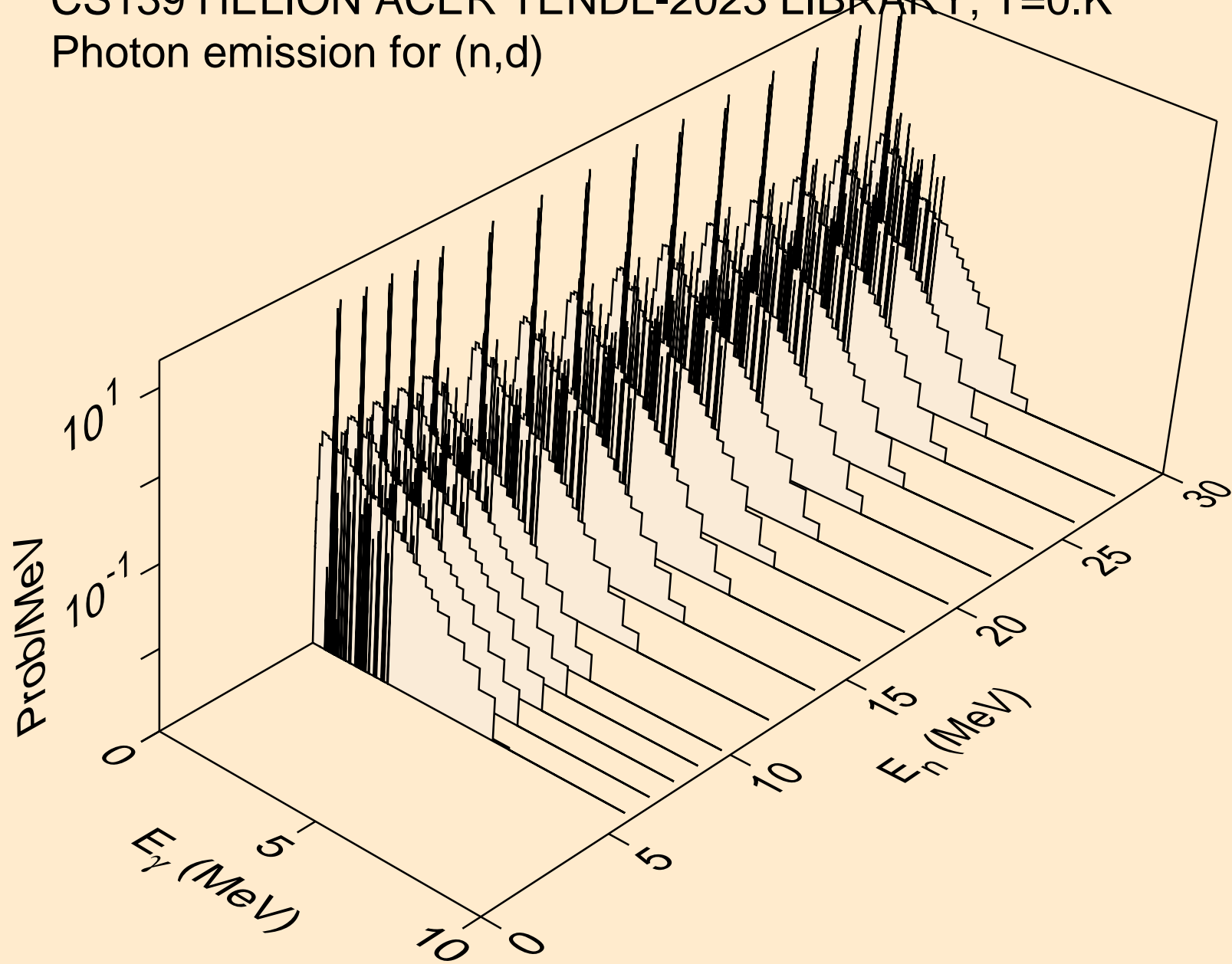
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Photon emission for (n,gma)



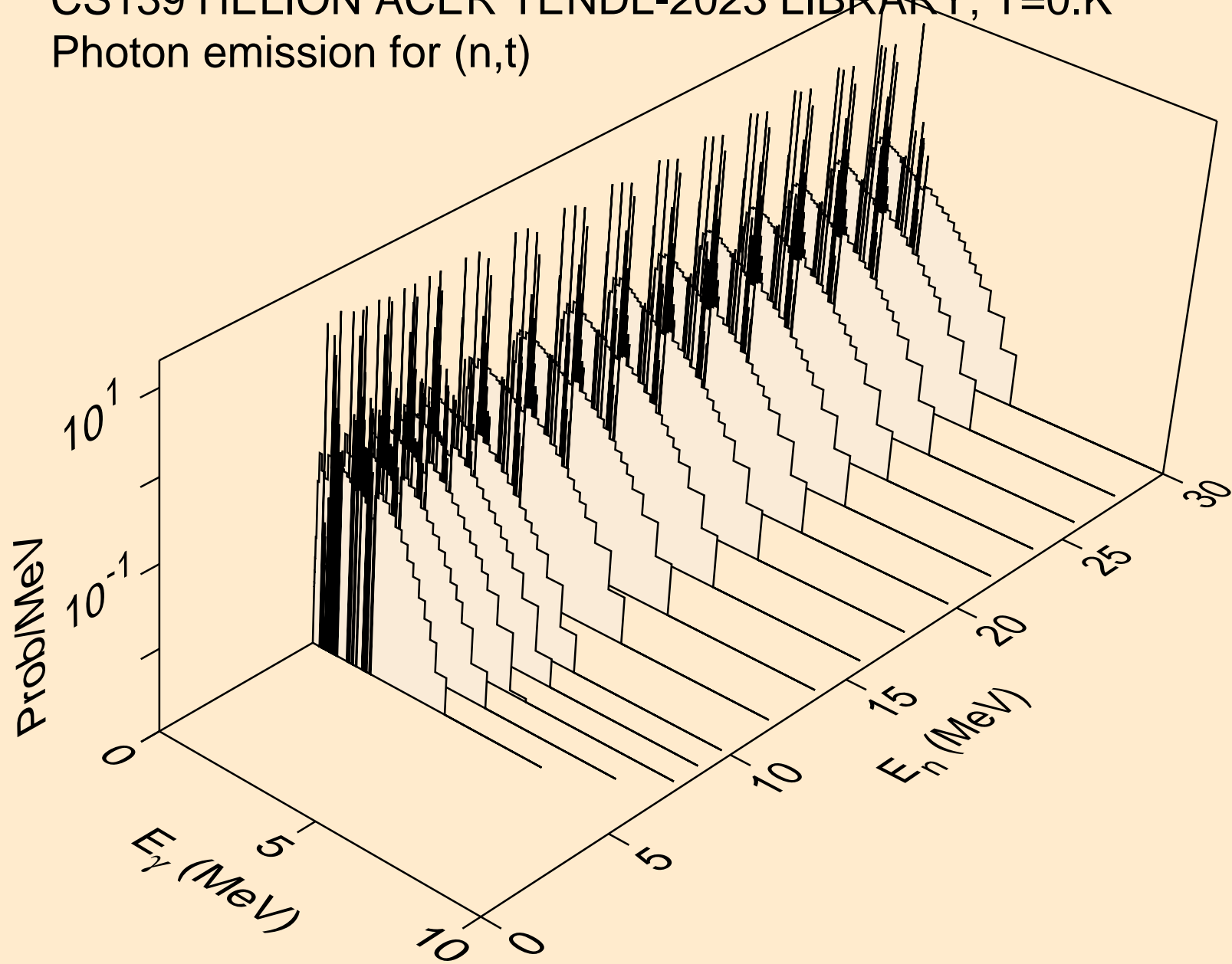
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Photon emission for (n,p)



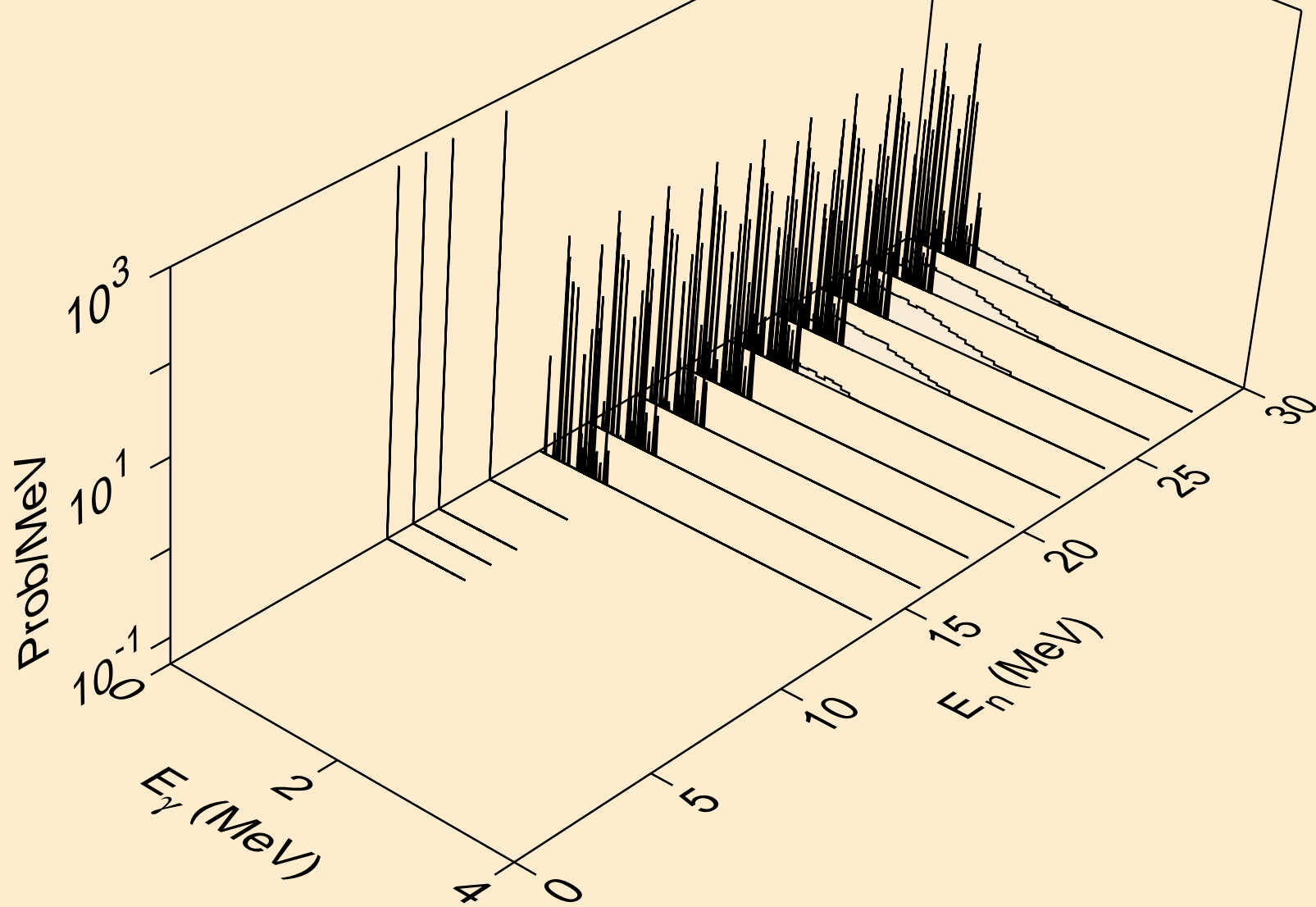
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Photon emission for (n,d)



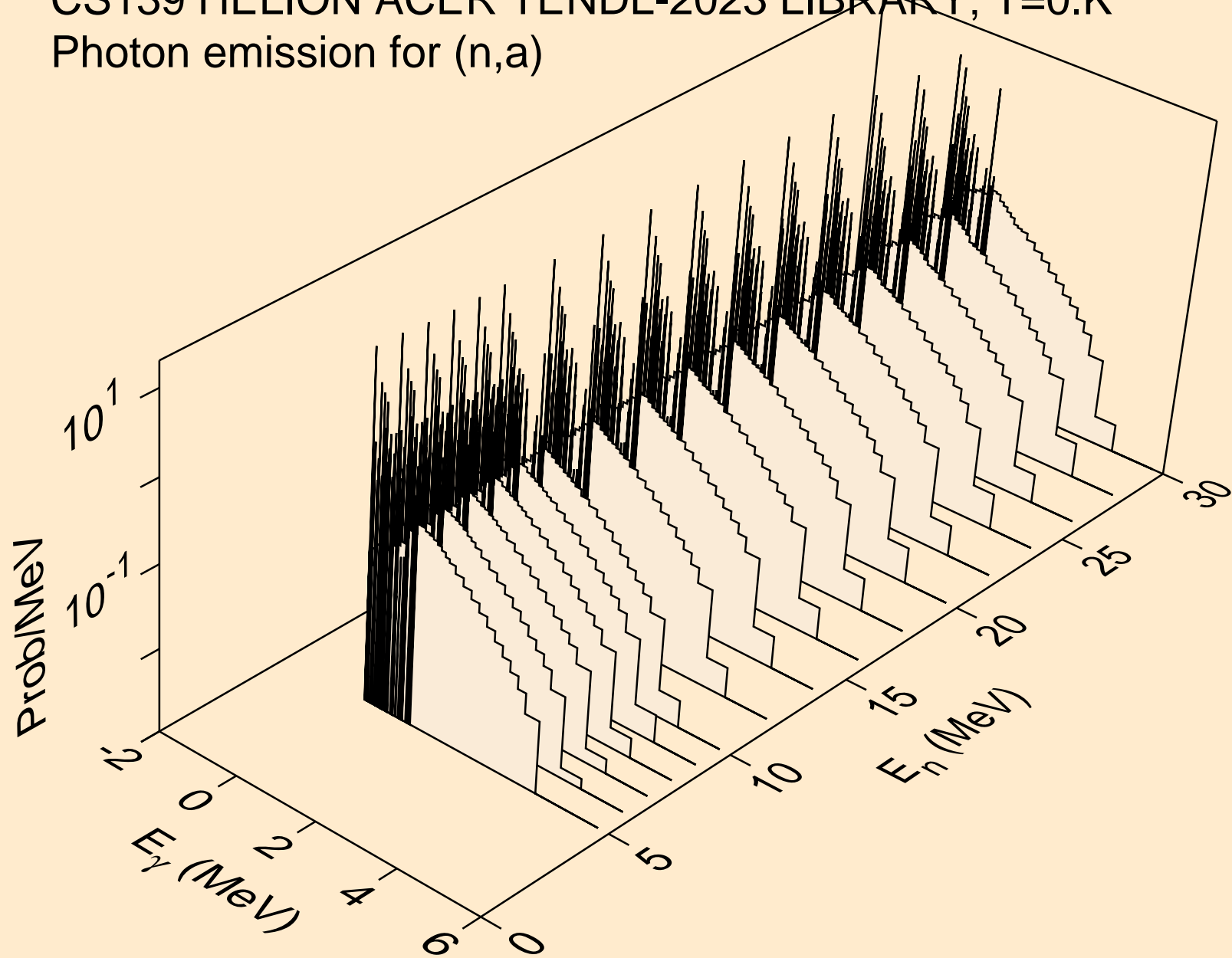
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Photon emission for (n,t)



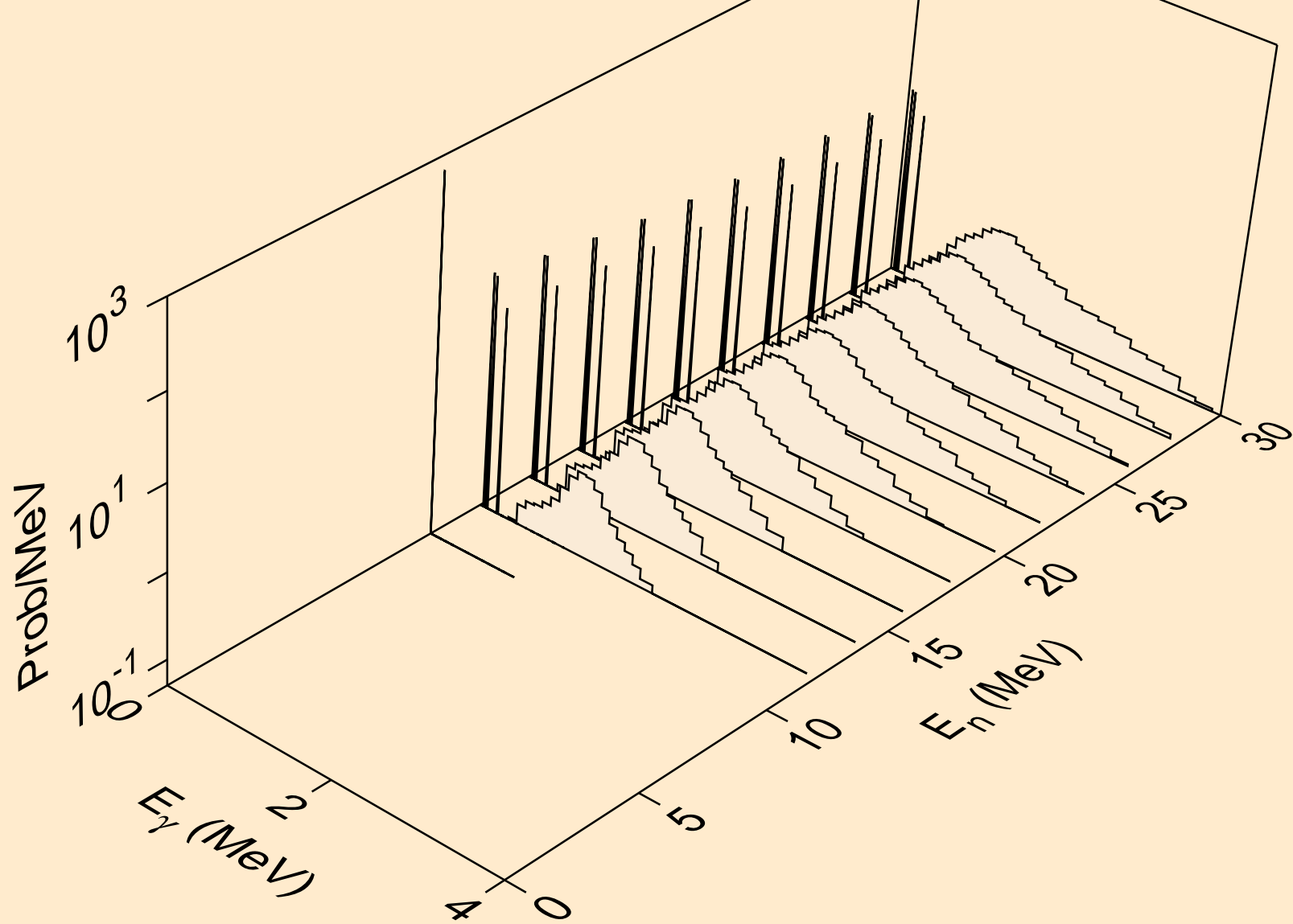
CS139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



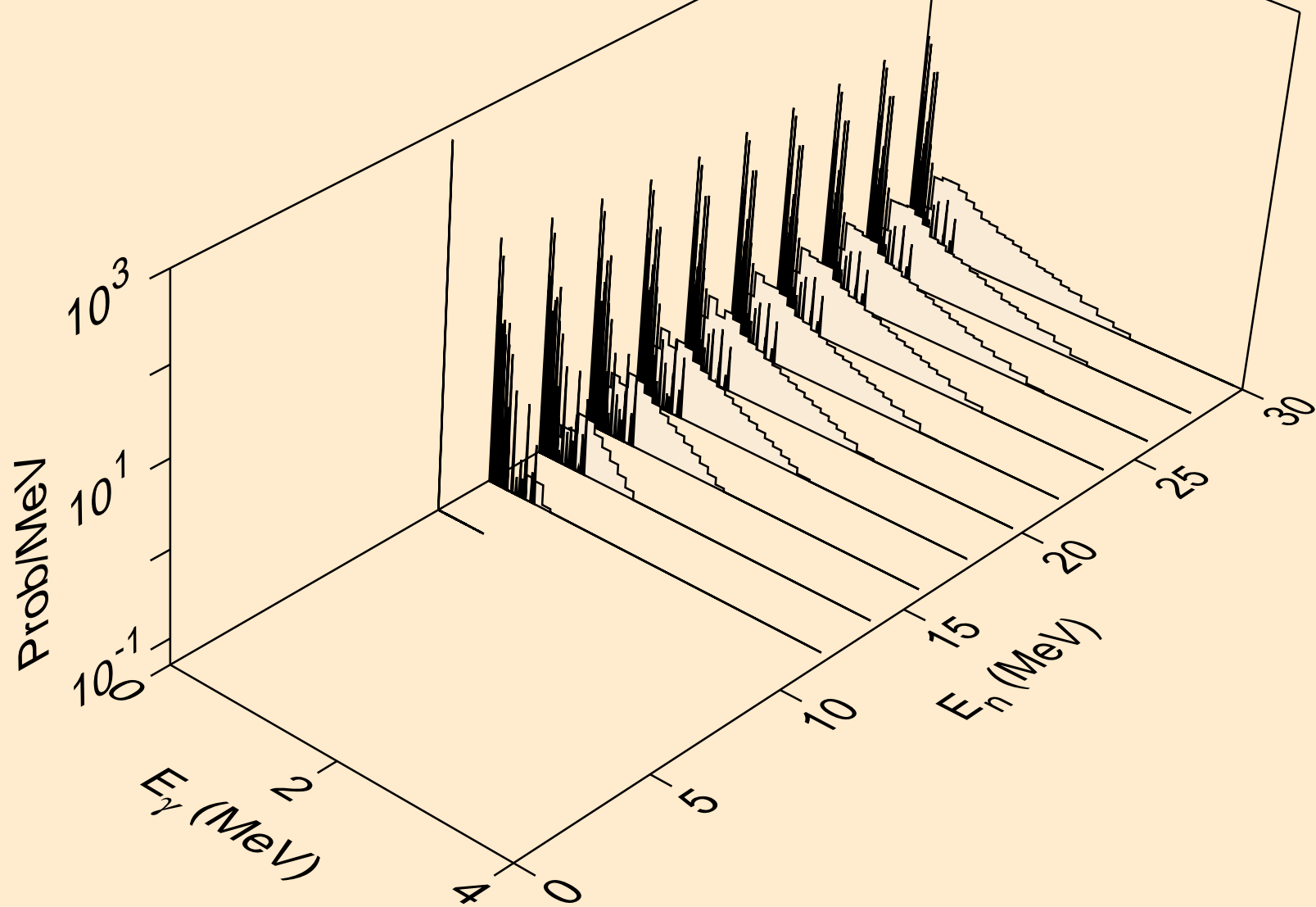
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Photon emission for (n,a)



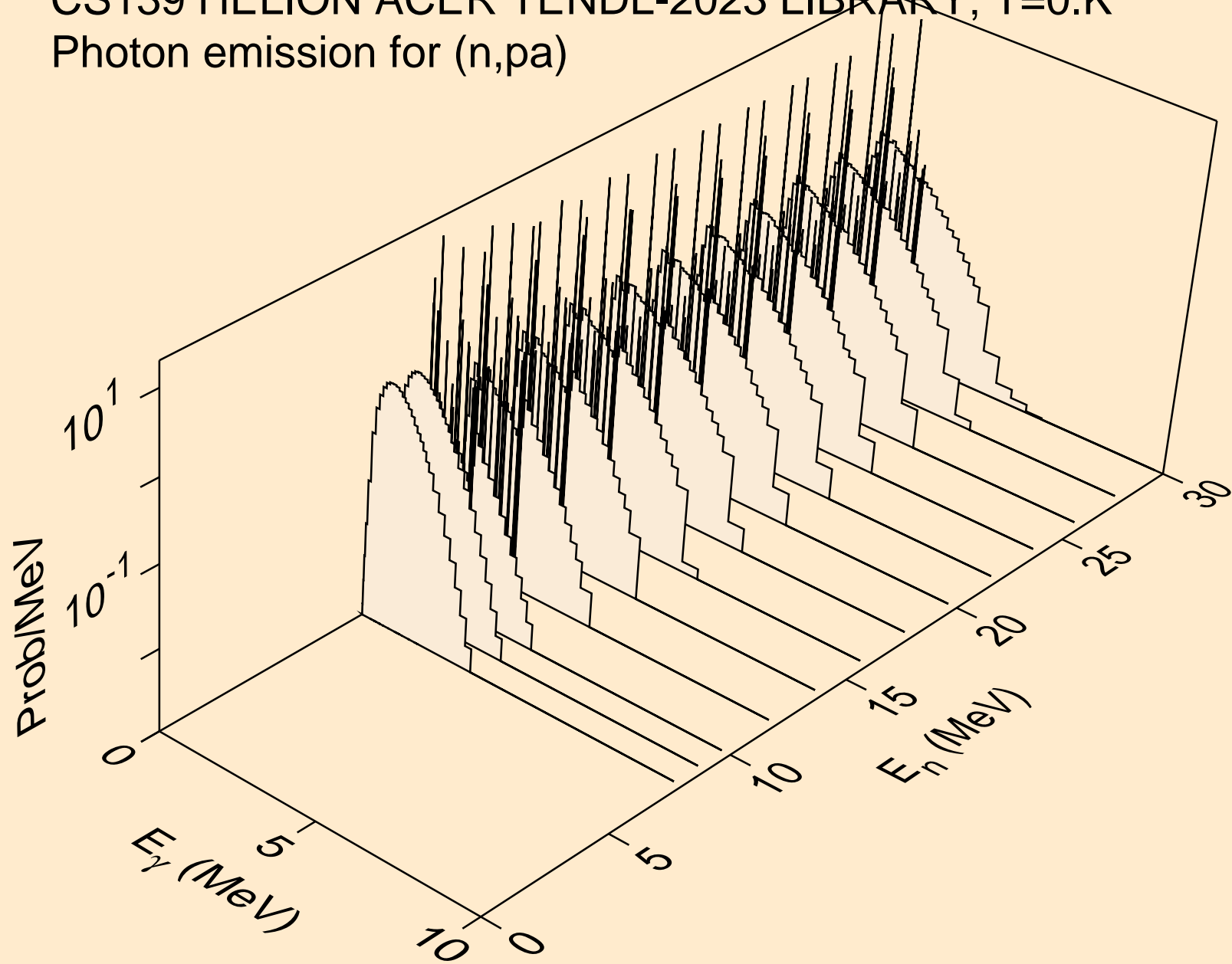
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Photon emission for (n,2a)



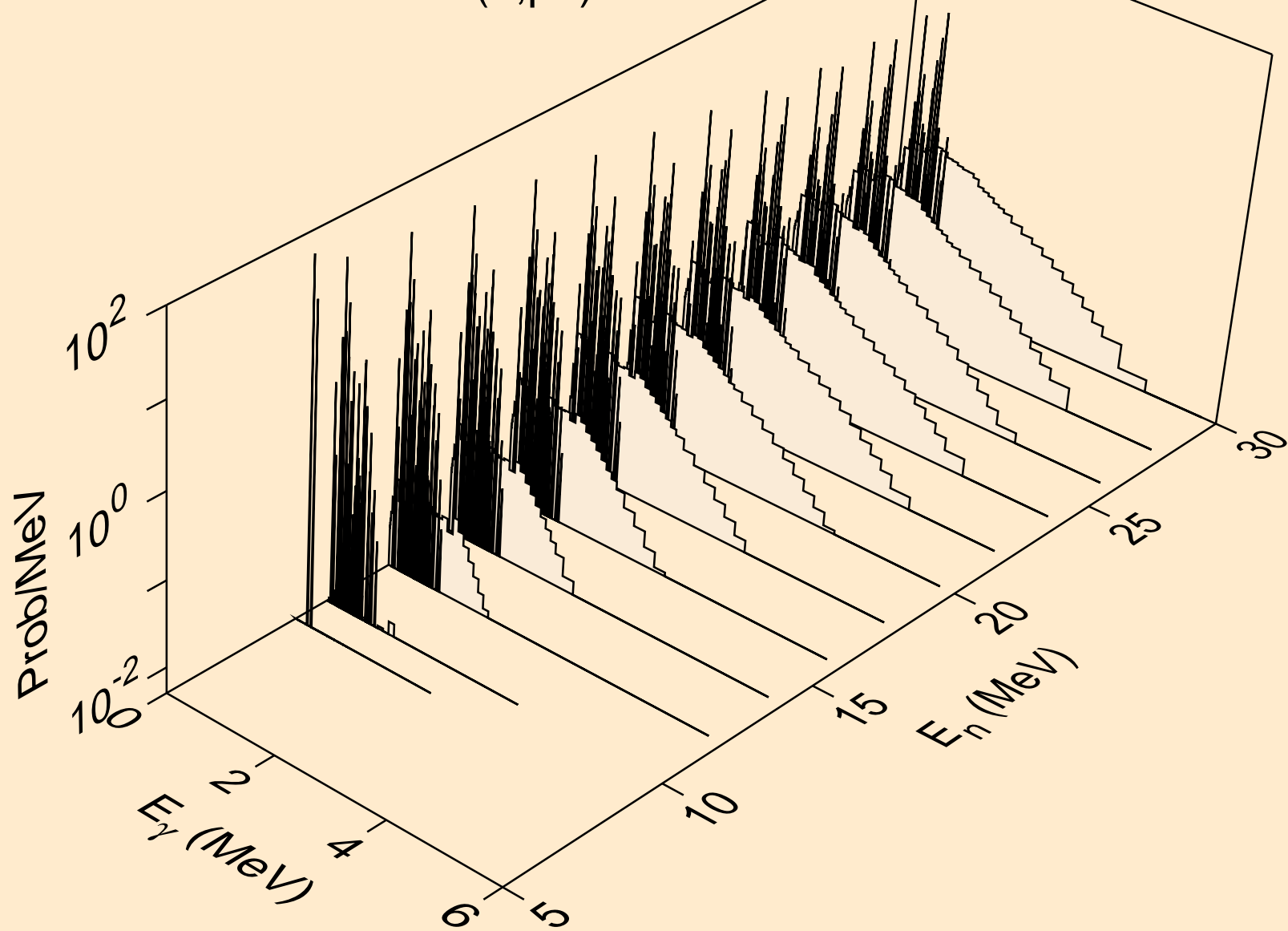
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Photon emission for (n,2p)



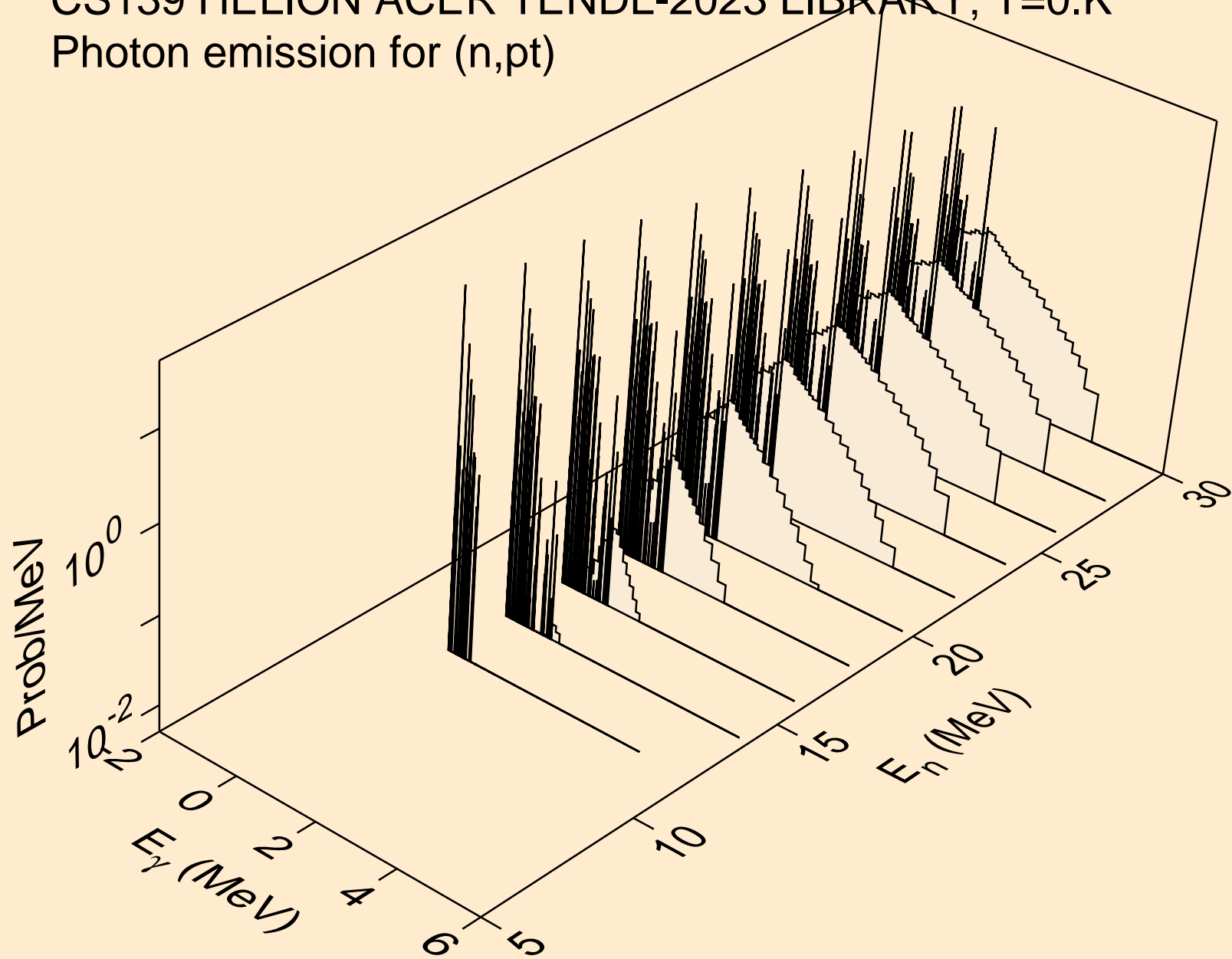
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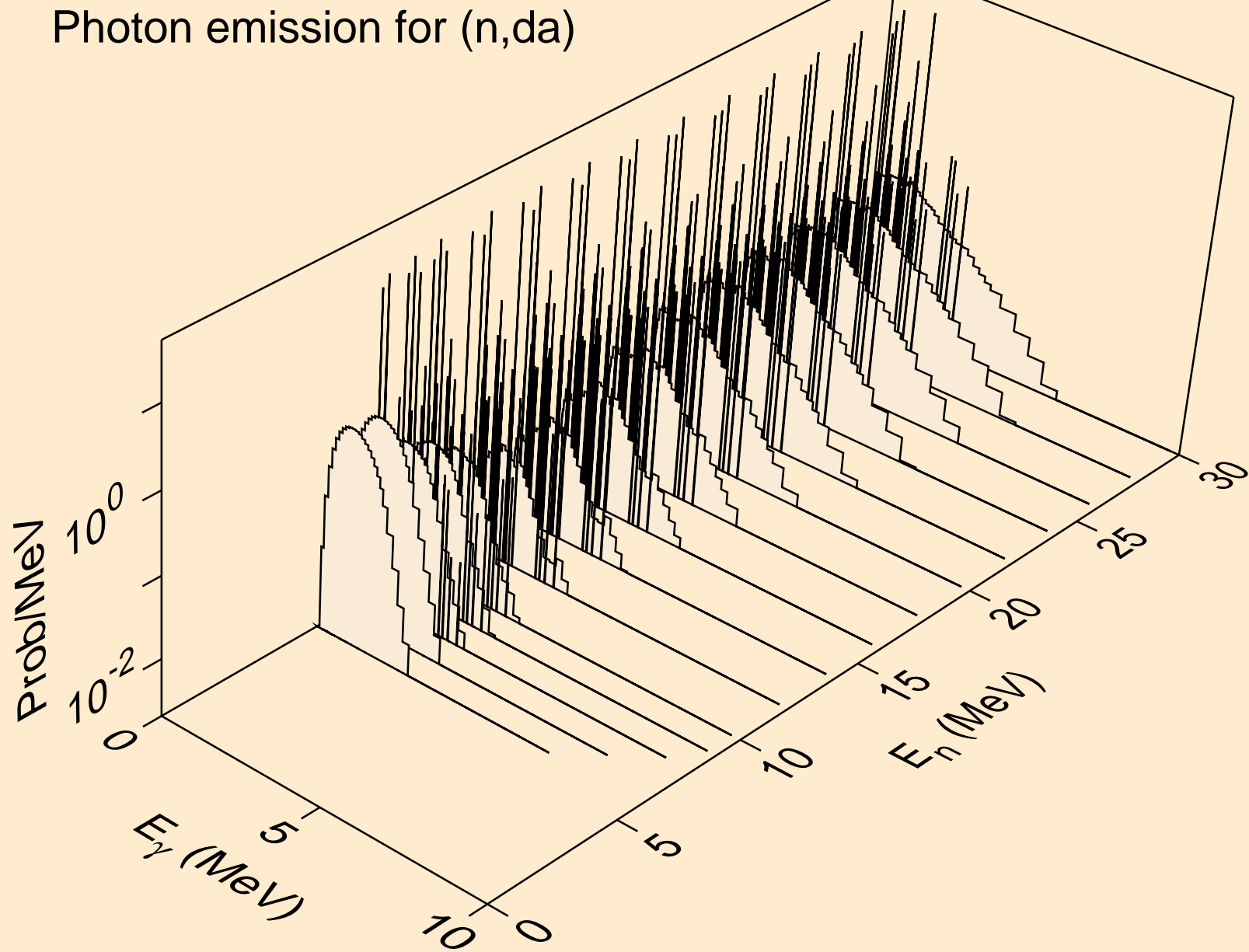
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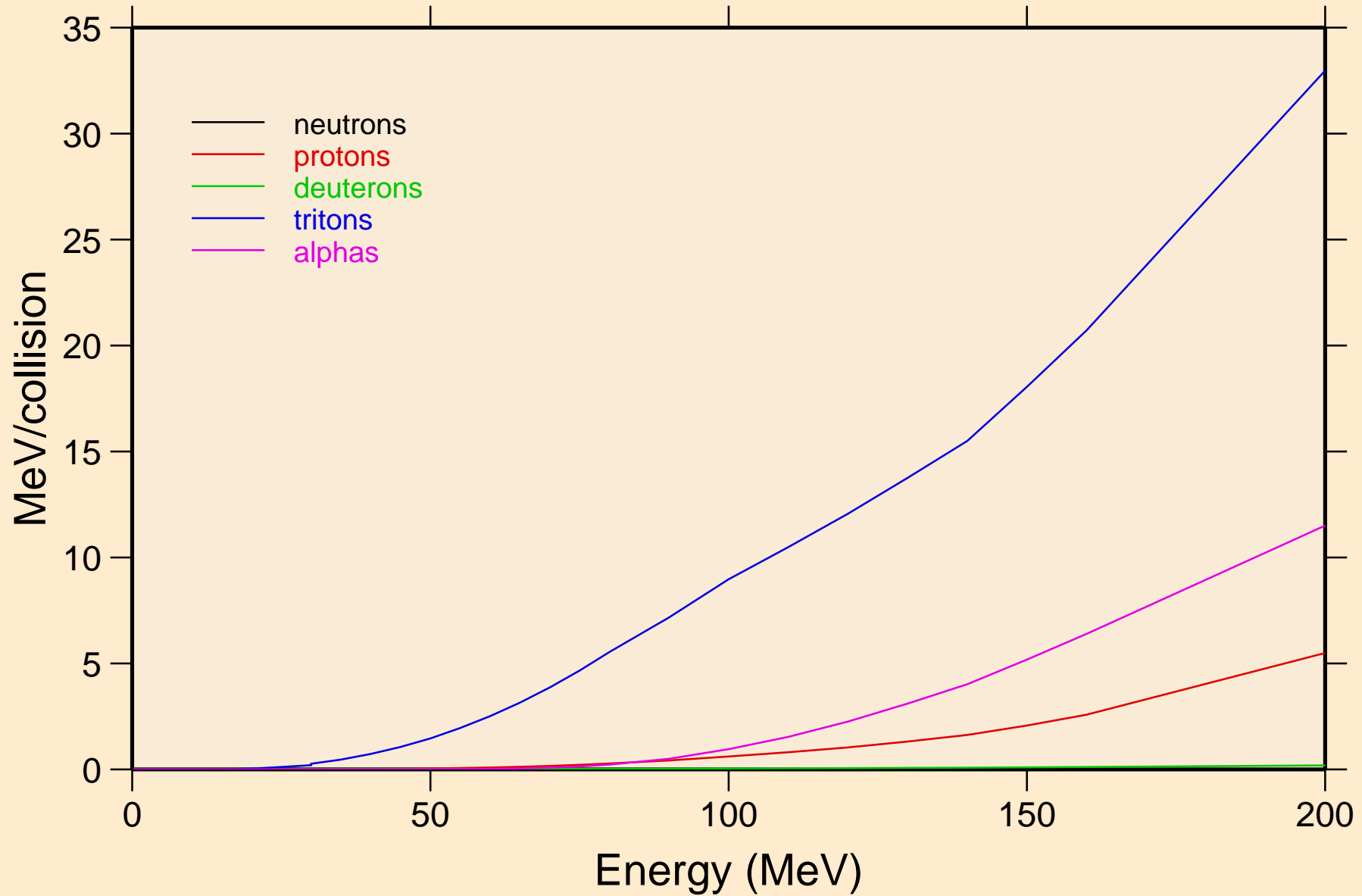
CS139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



CS139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

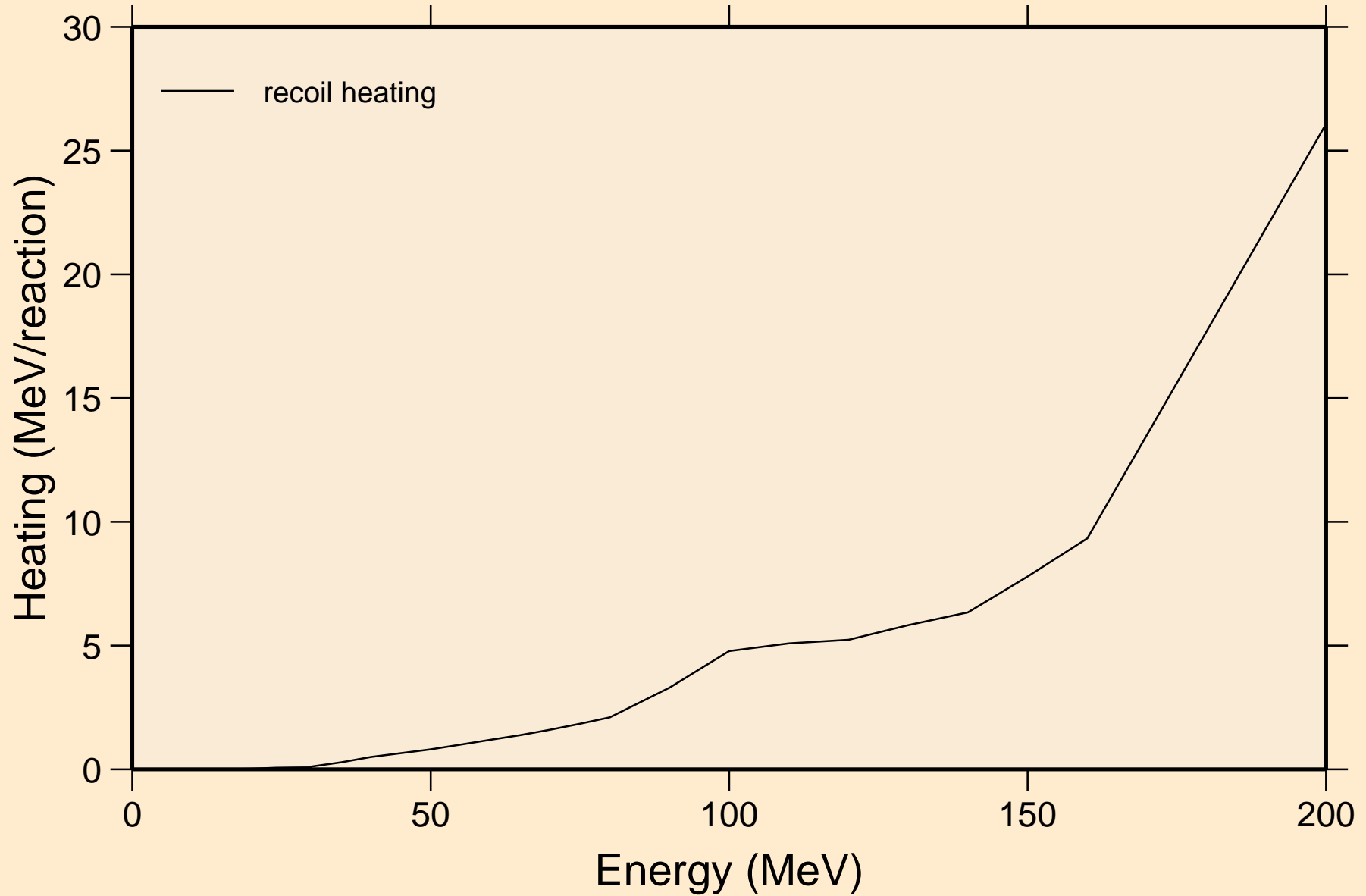


CS139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions

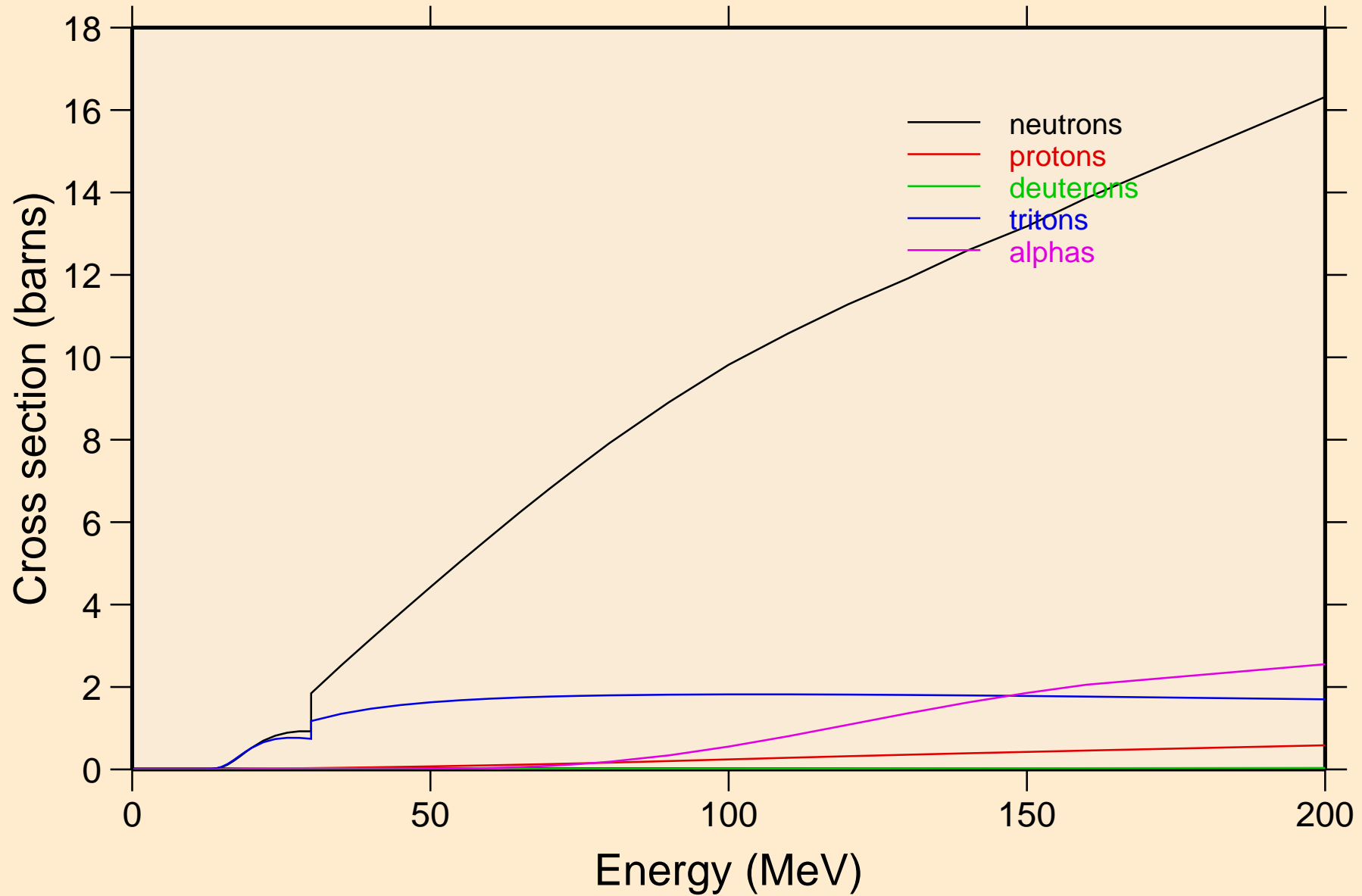


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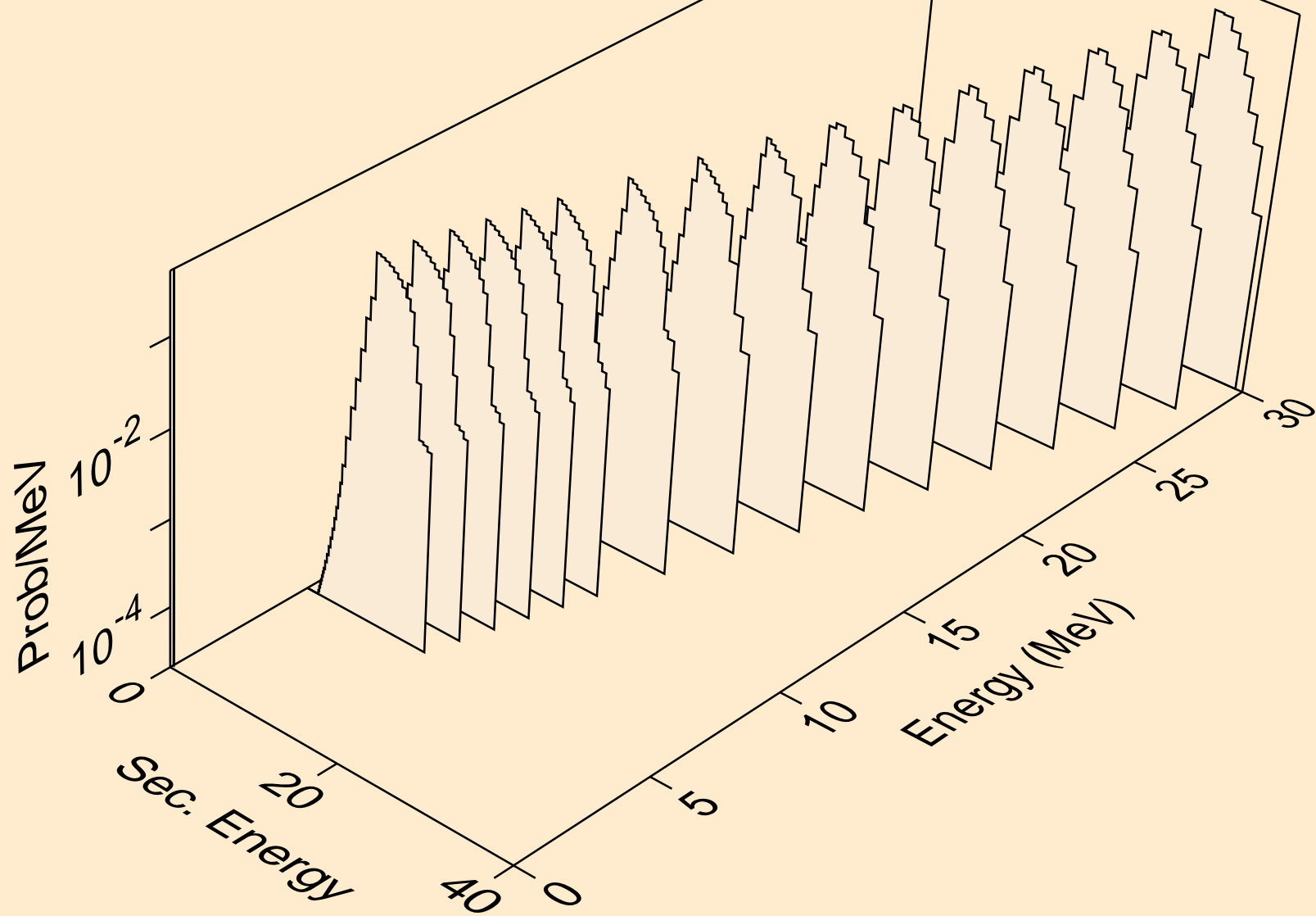
Recoil Heating



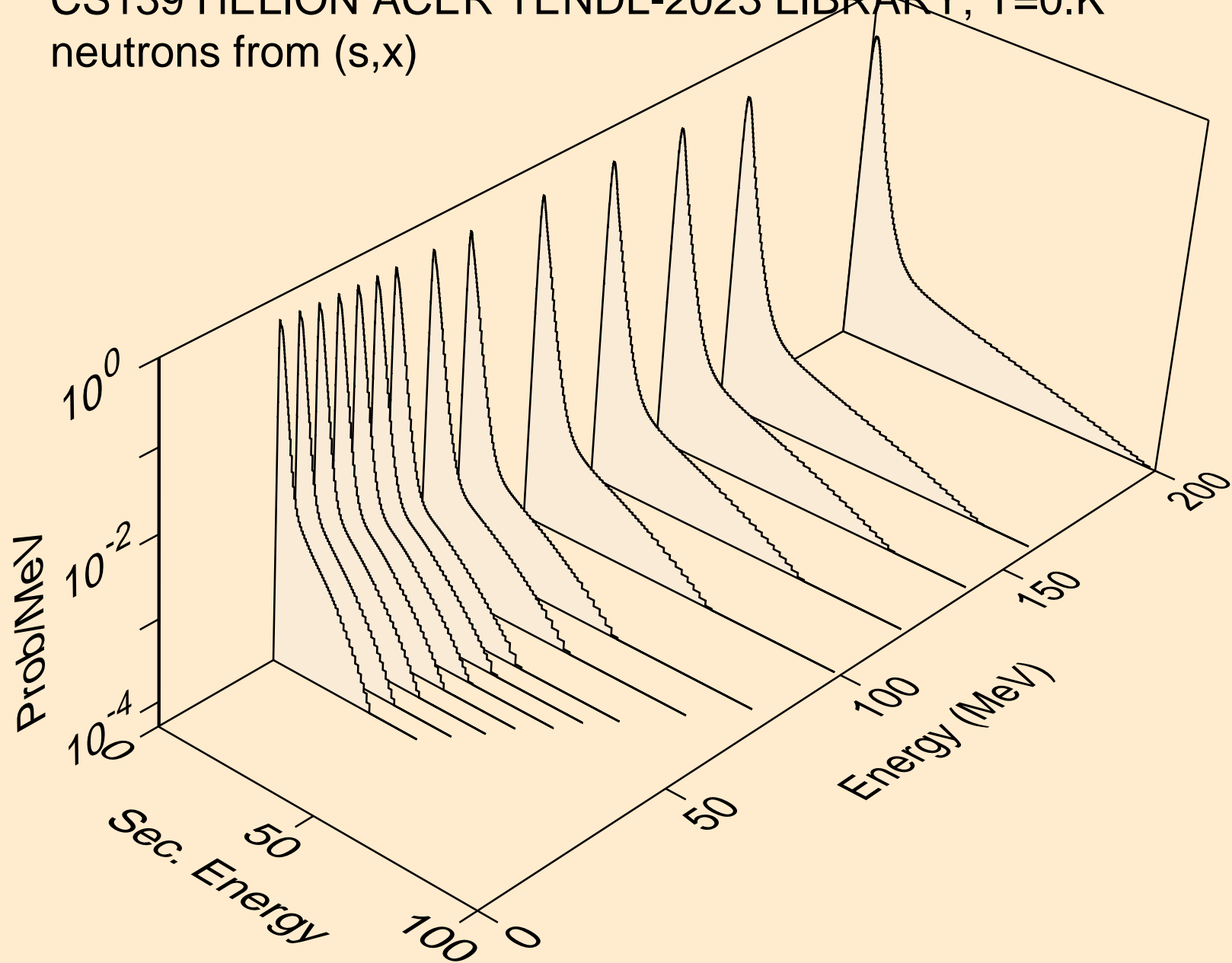
CS139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



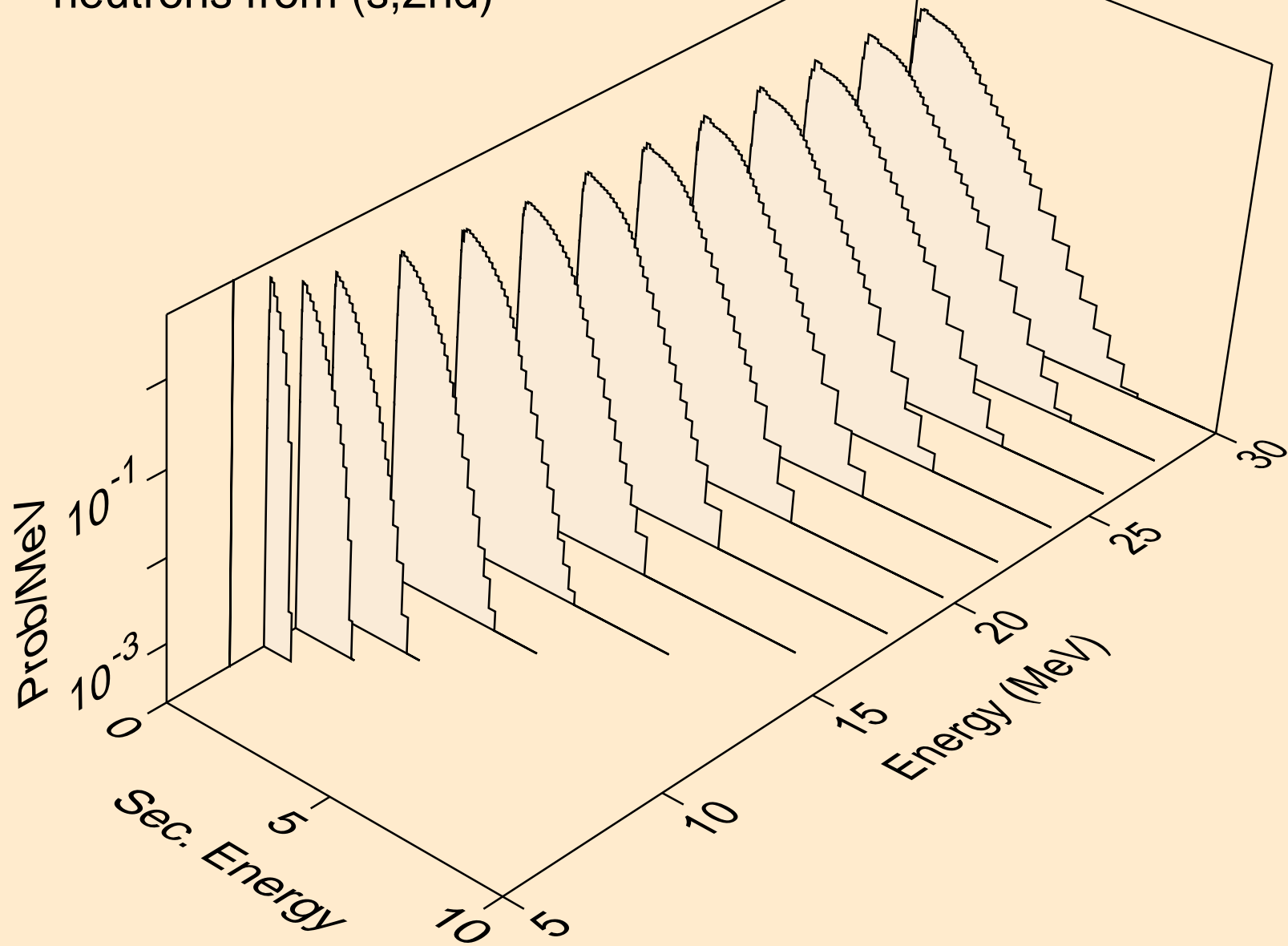
CS139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



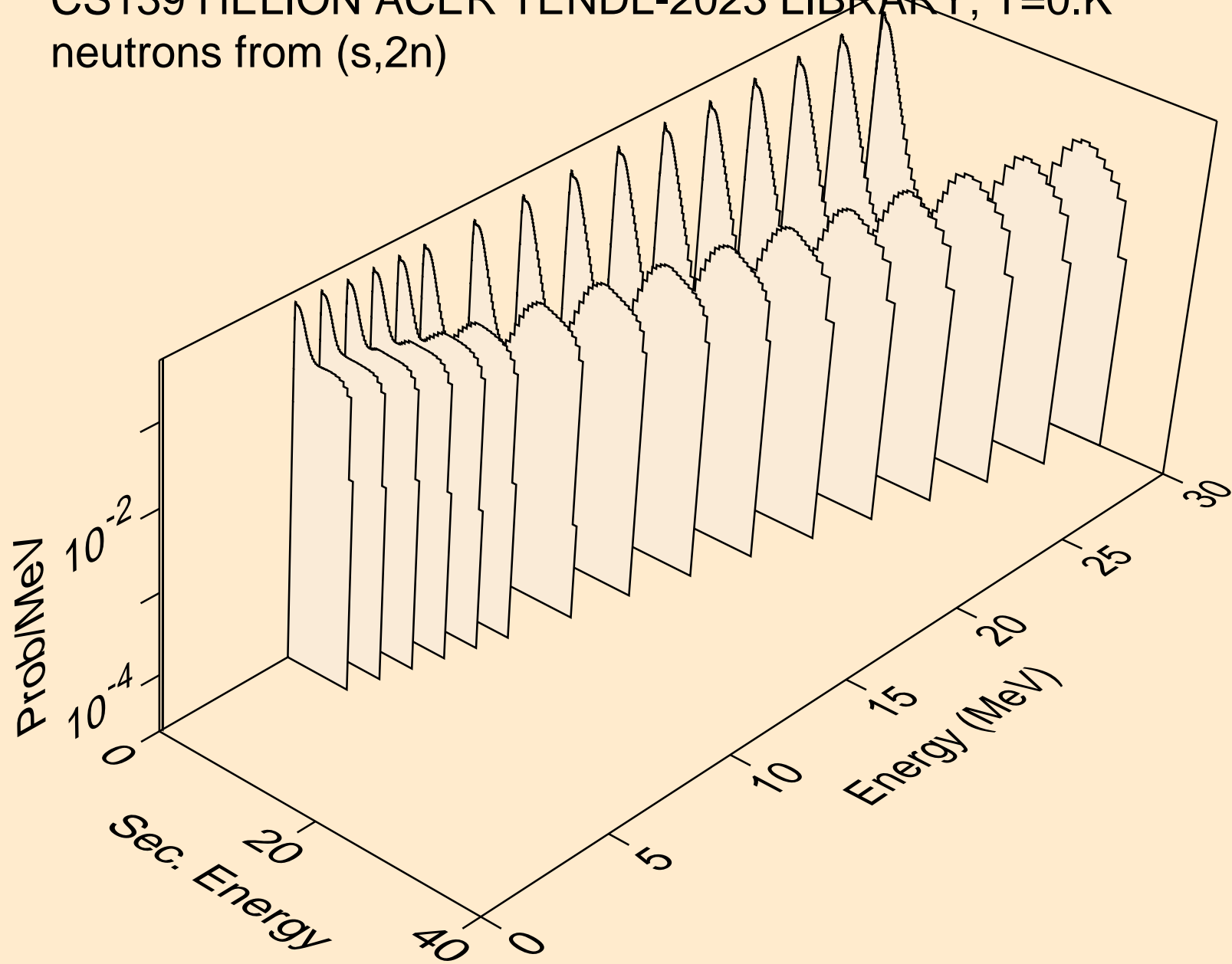
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neutrons from (s,x)



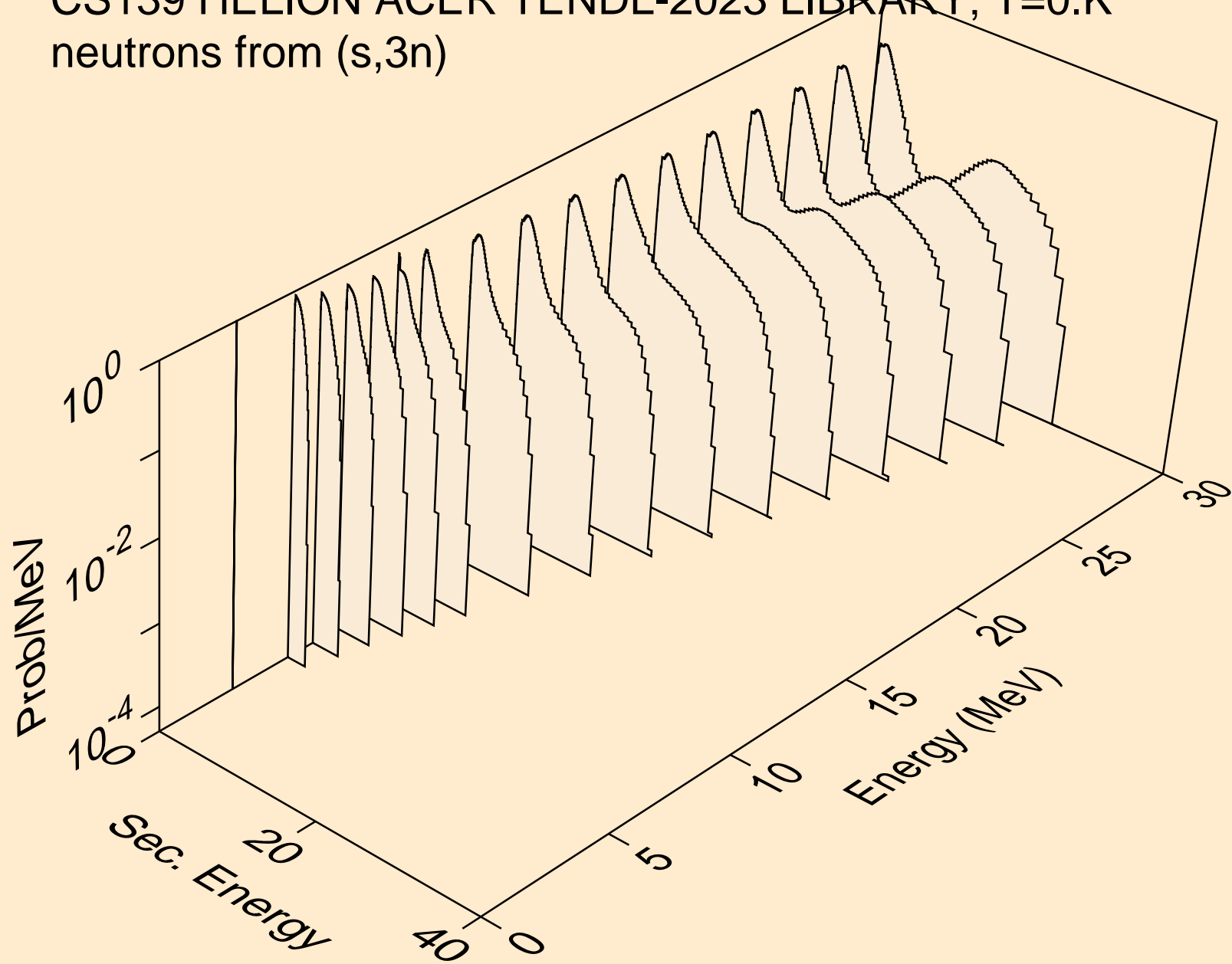
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neutrons from (s,2nd)



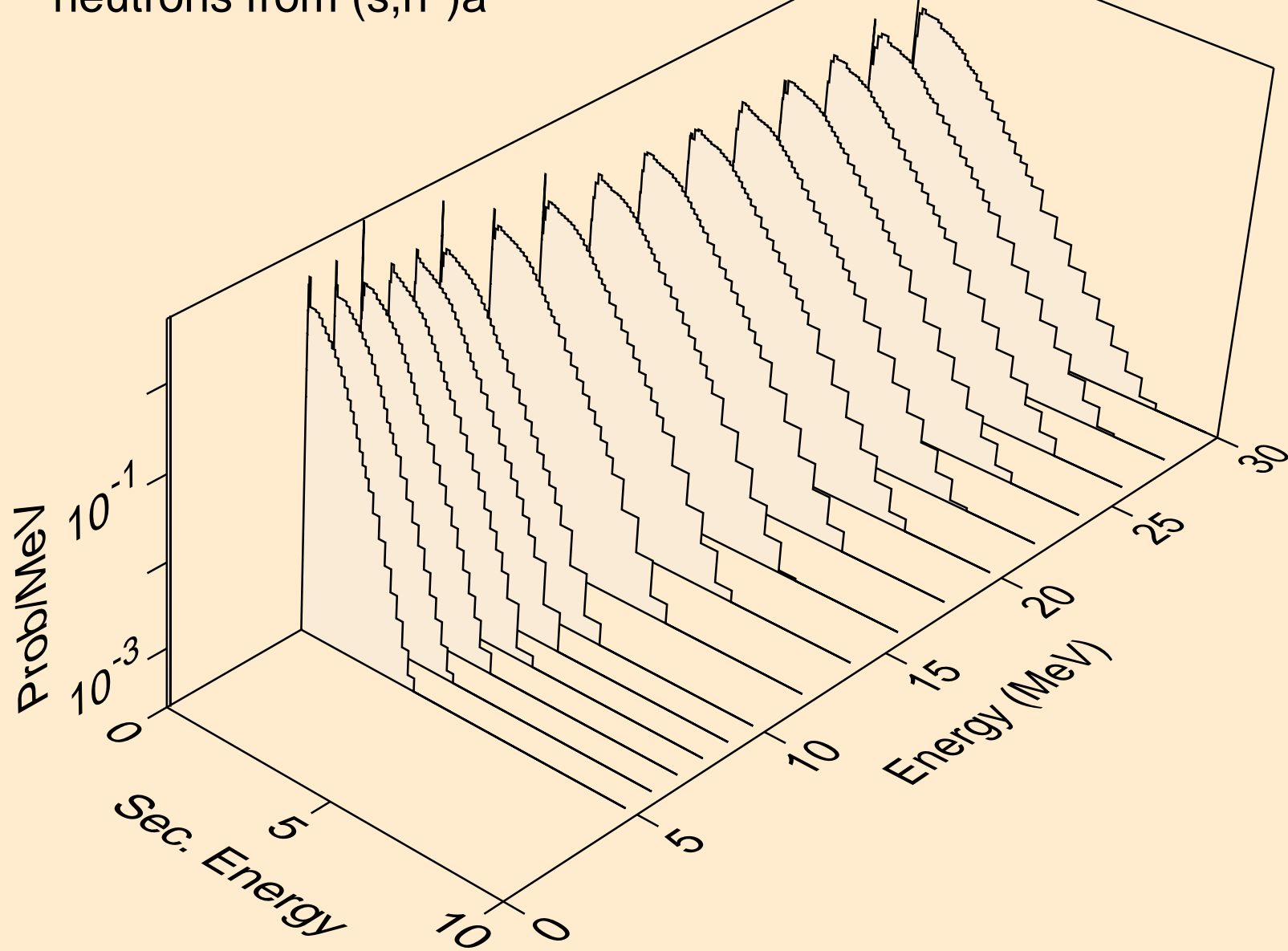
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neutrons from (s,2n)



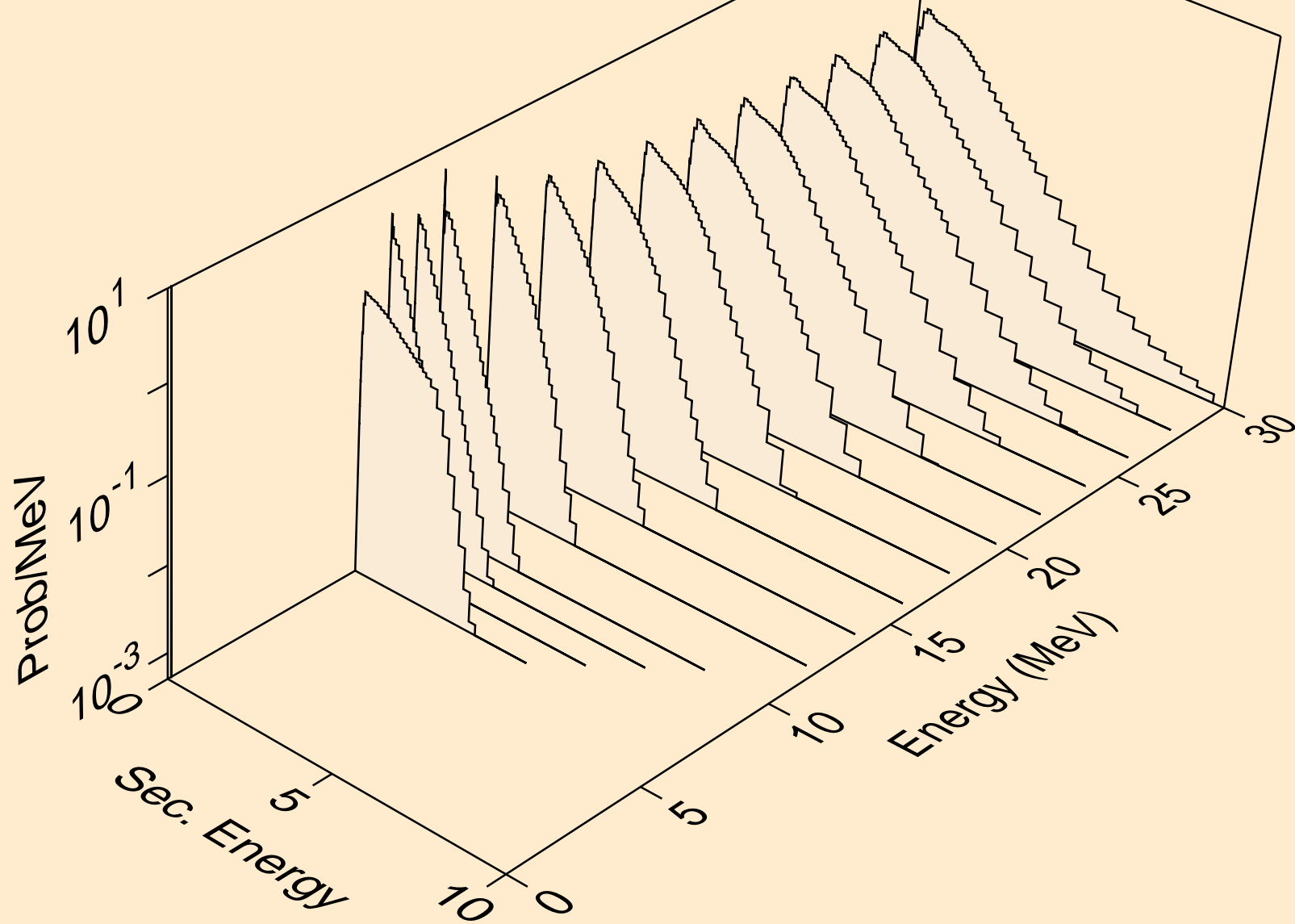
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neutrons from (s,3n)



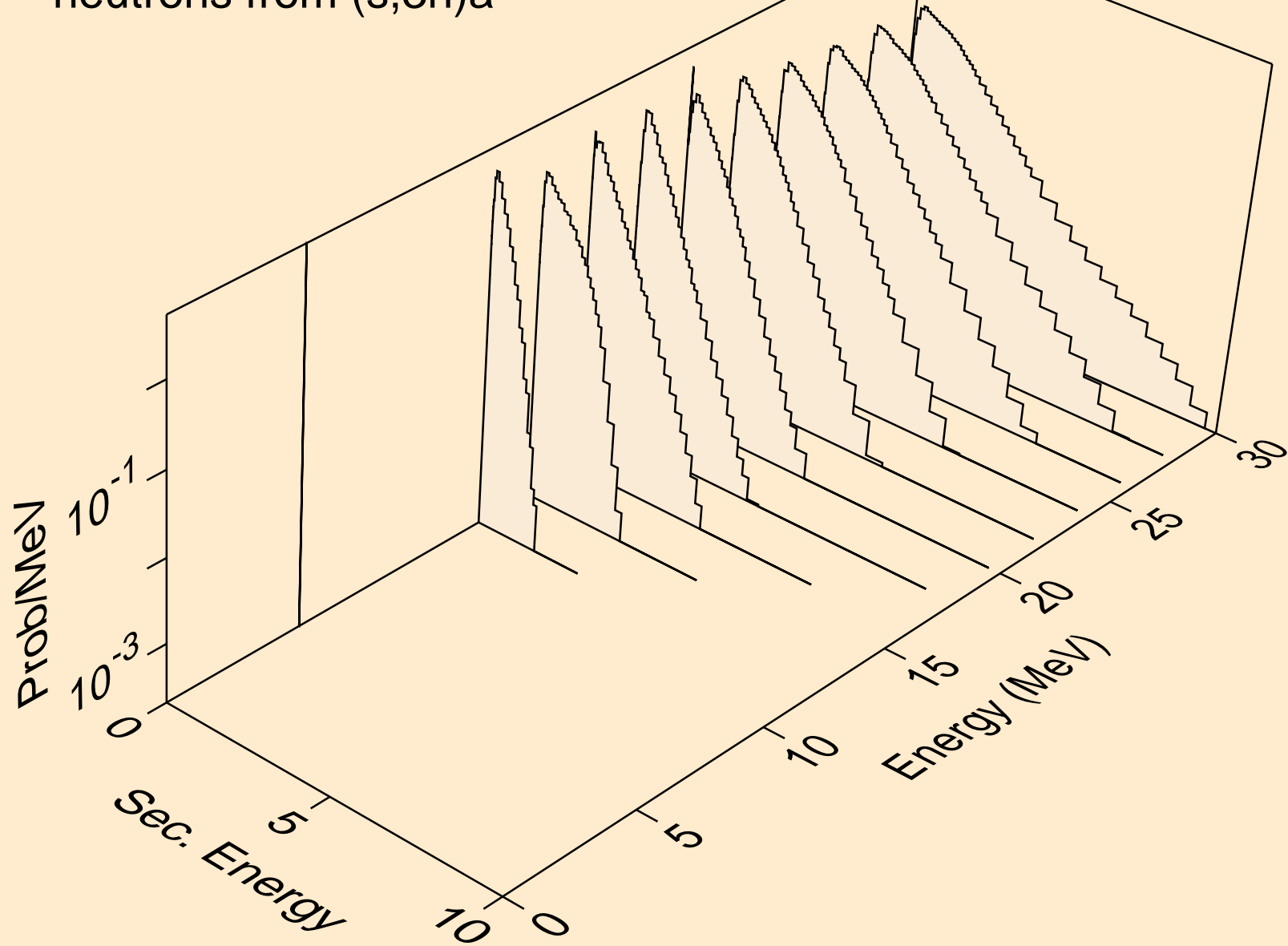
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neutrons from (s,n\*)a



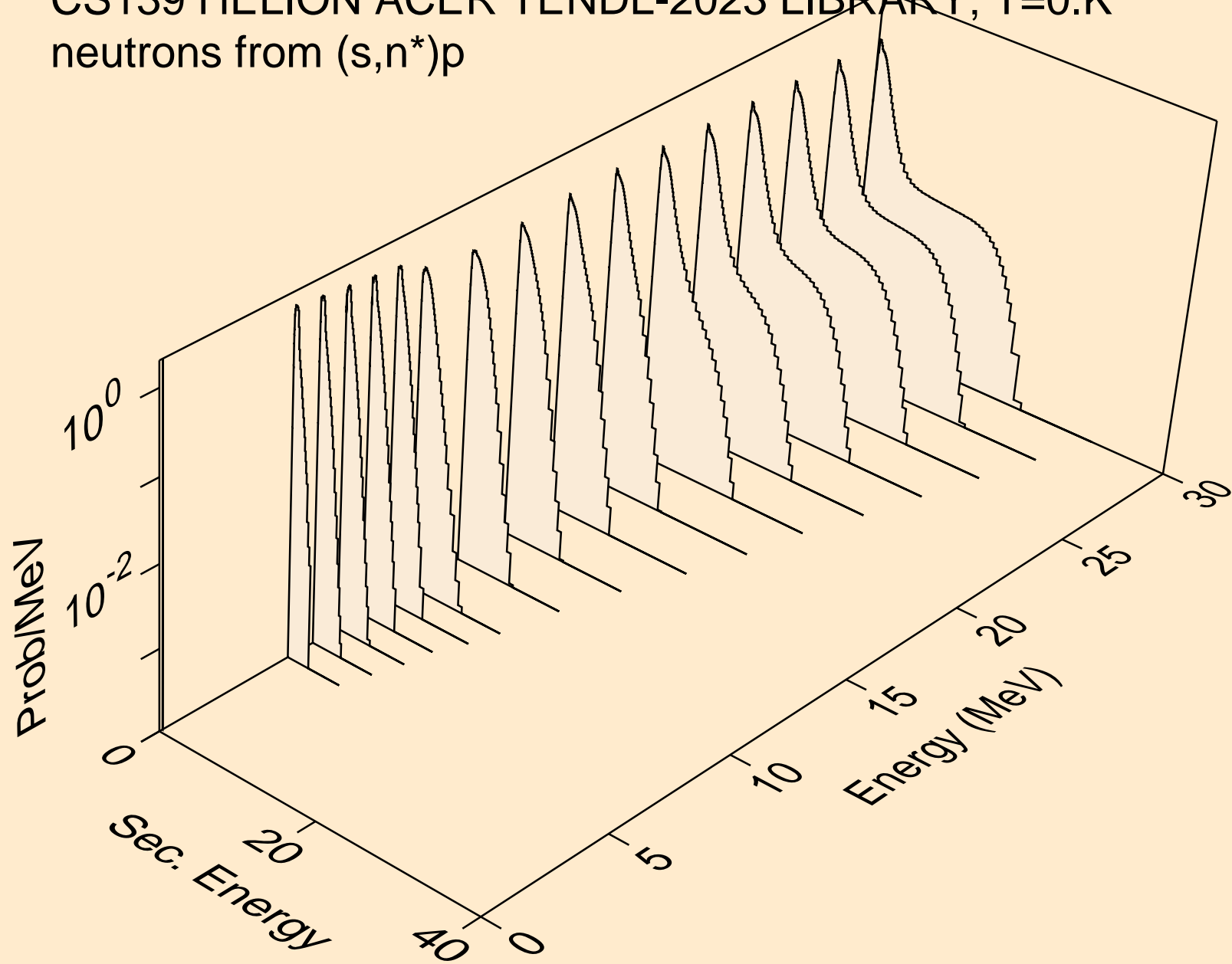
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neutrons from (s,2n)a



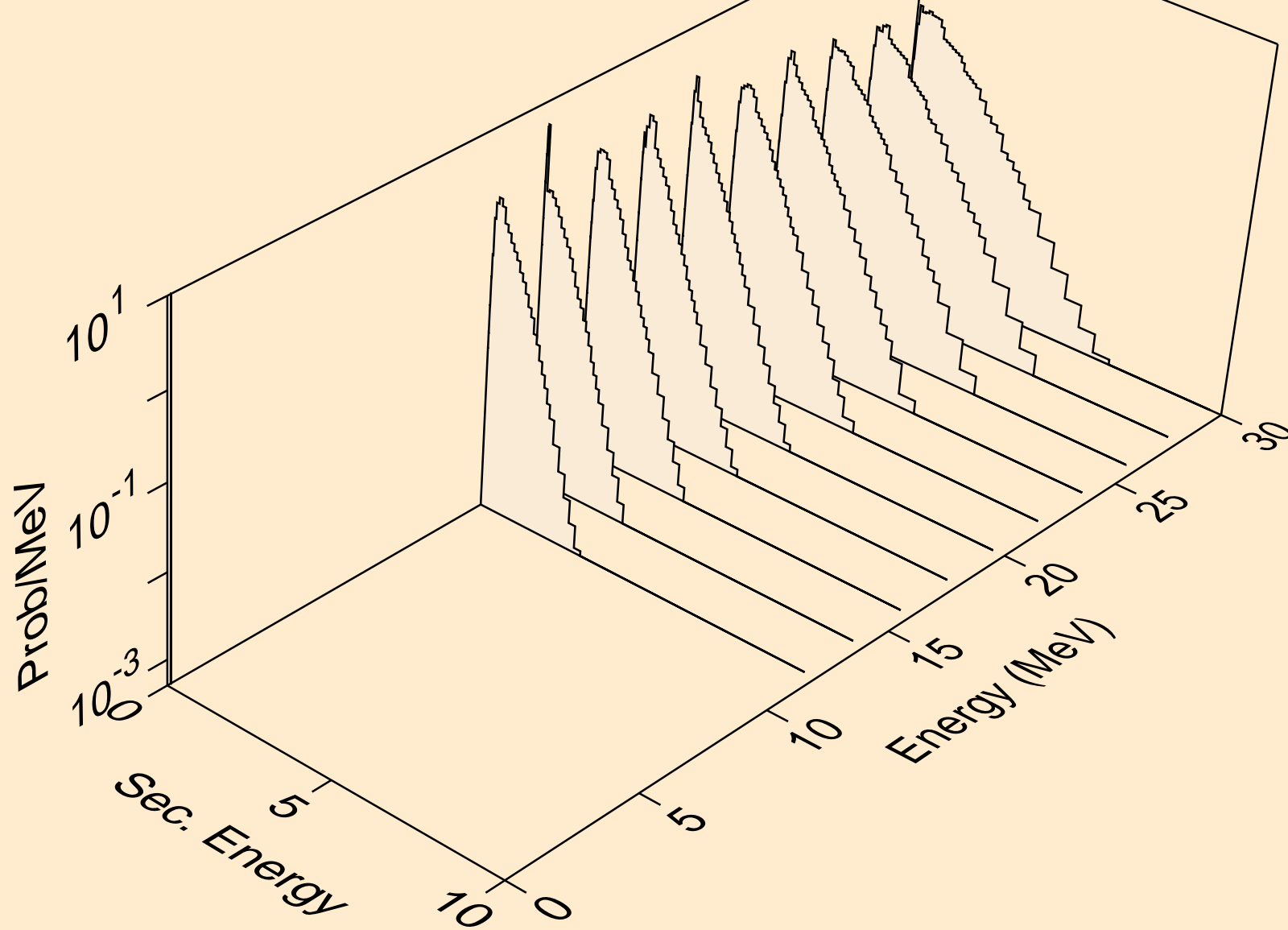
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neutrons from (s,3n)a



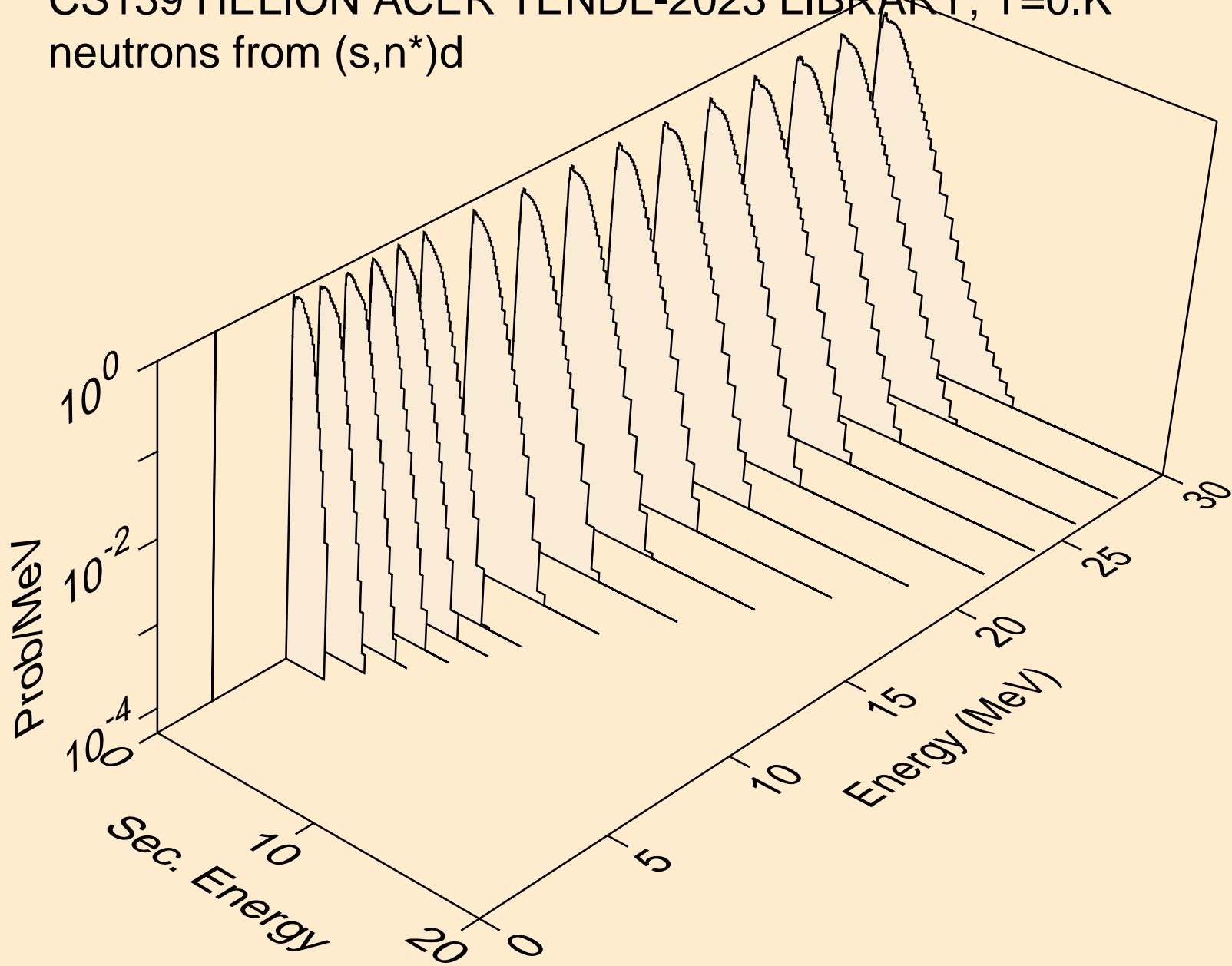
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neutrons from (s,n\*)p



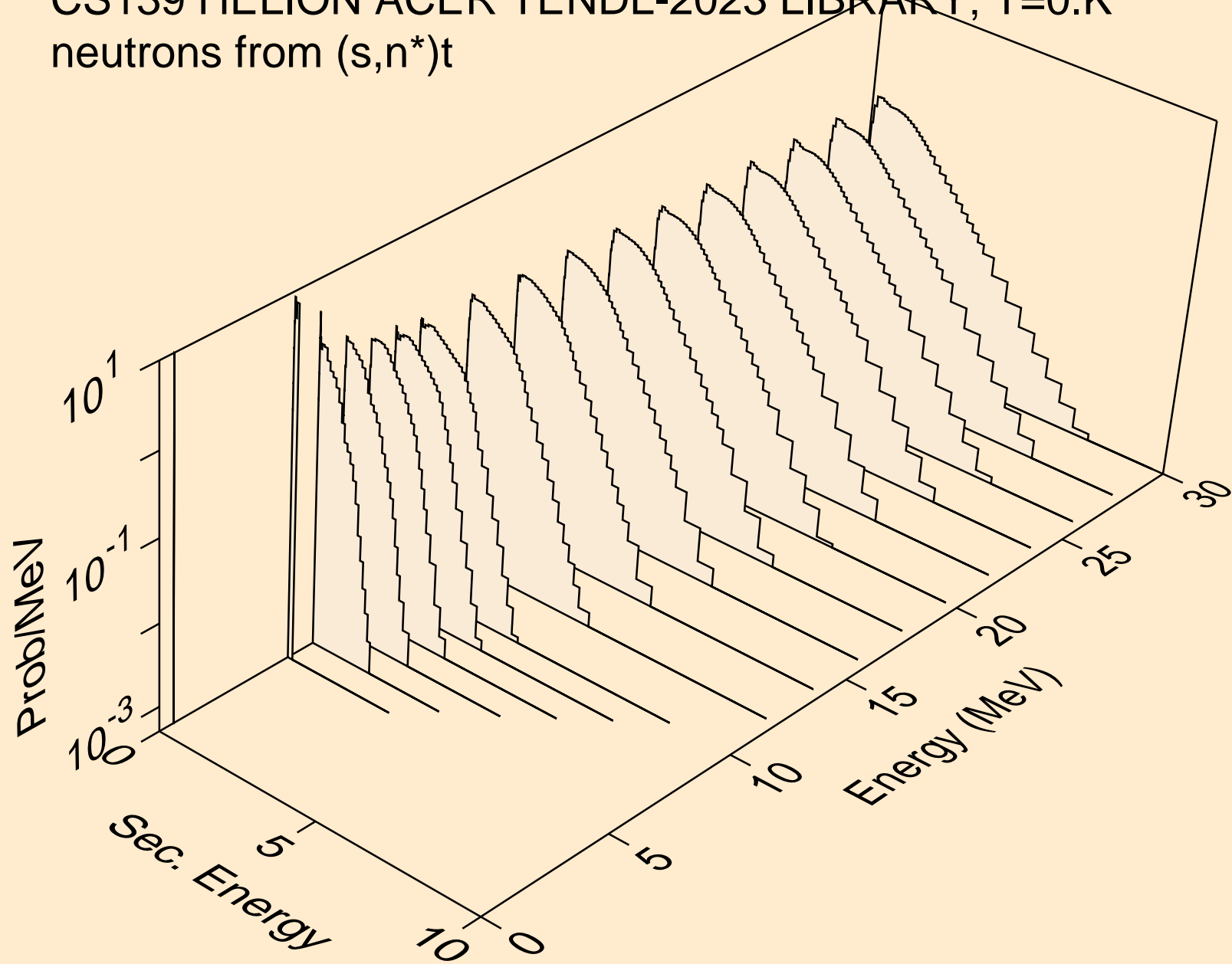
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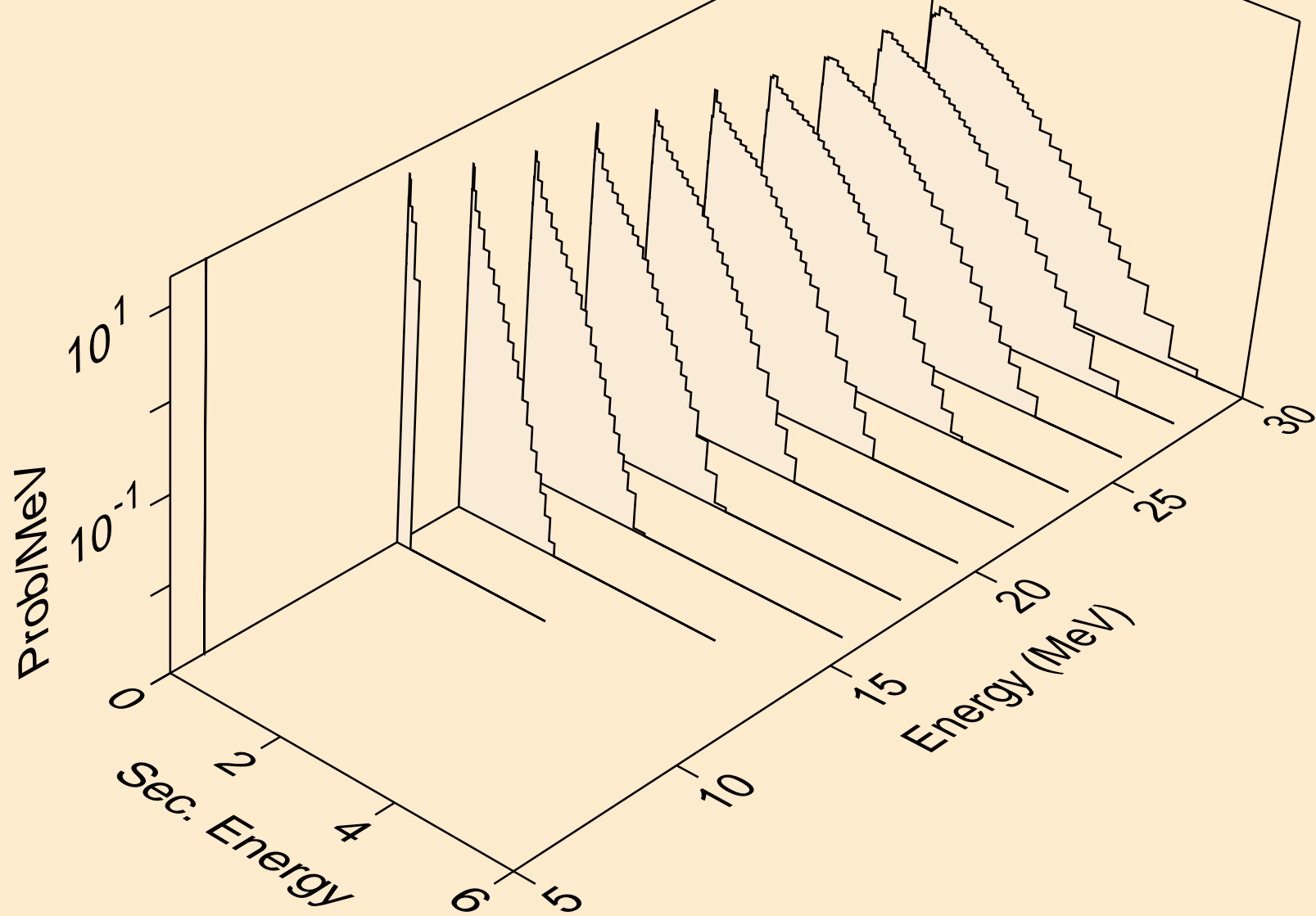
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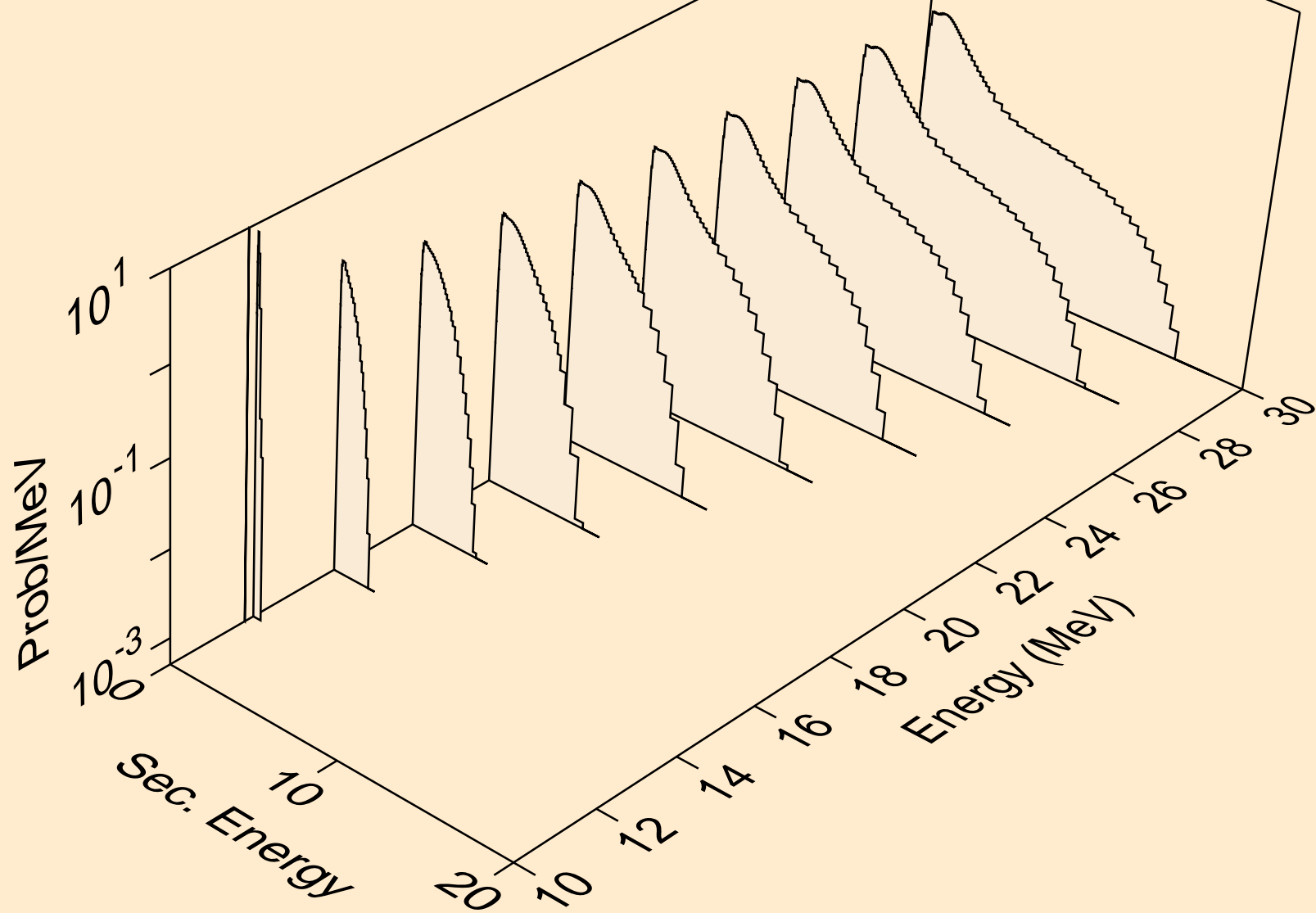
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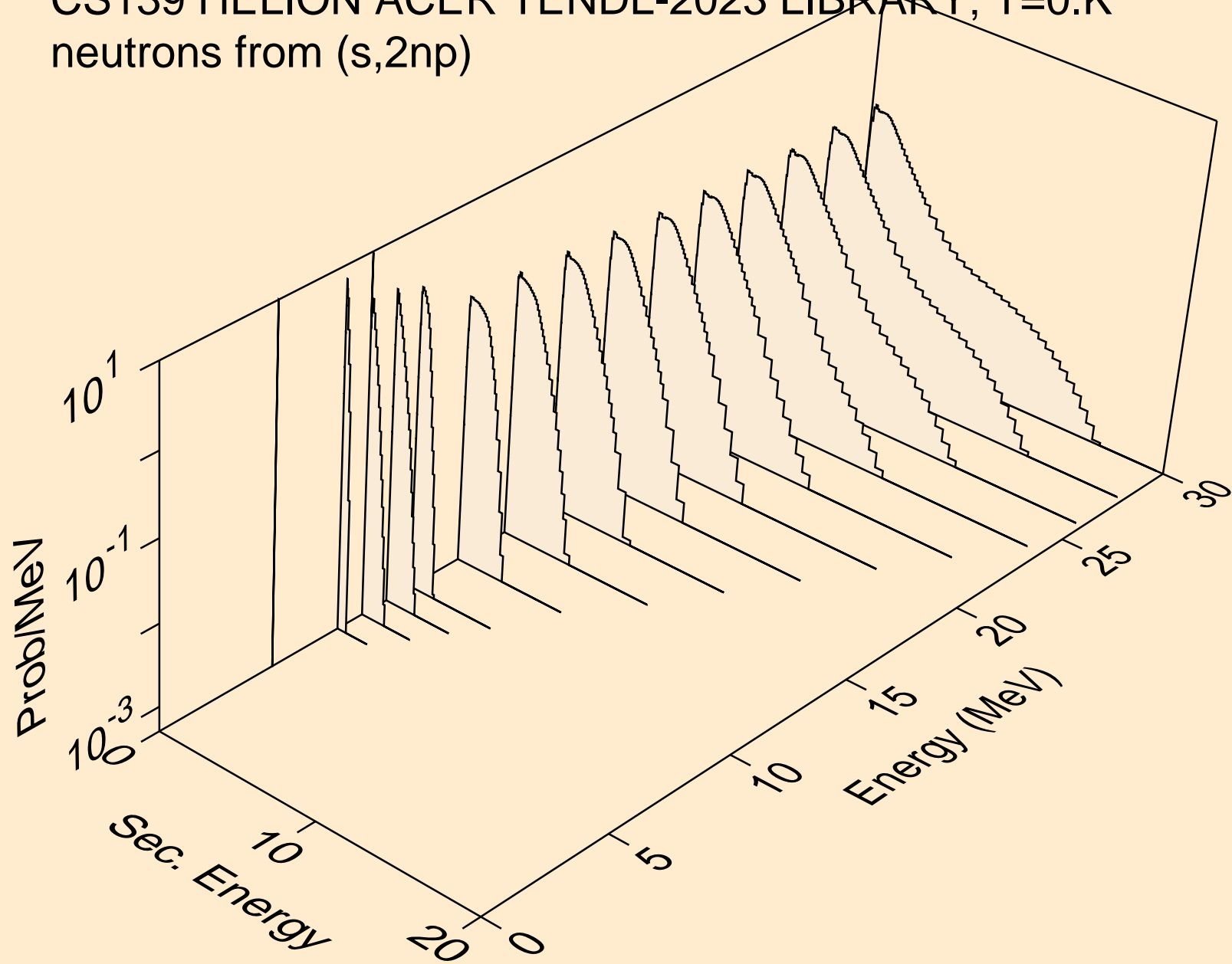
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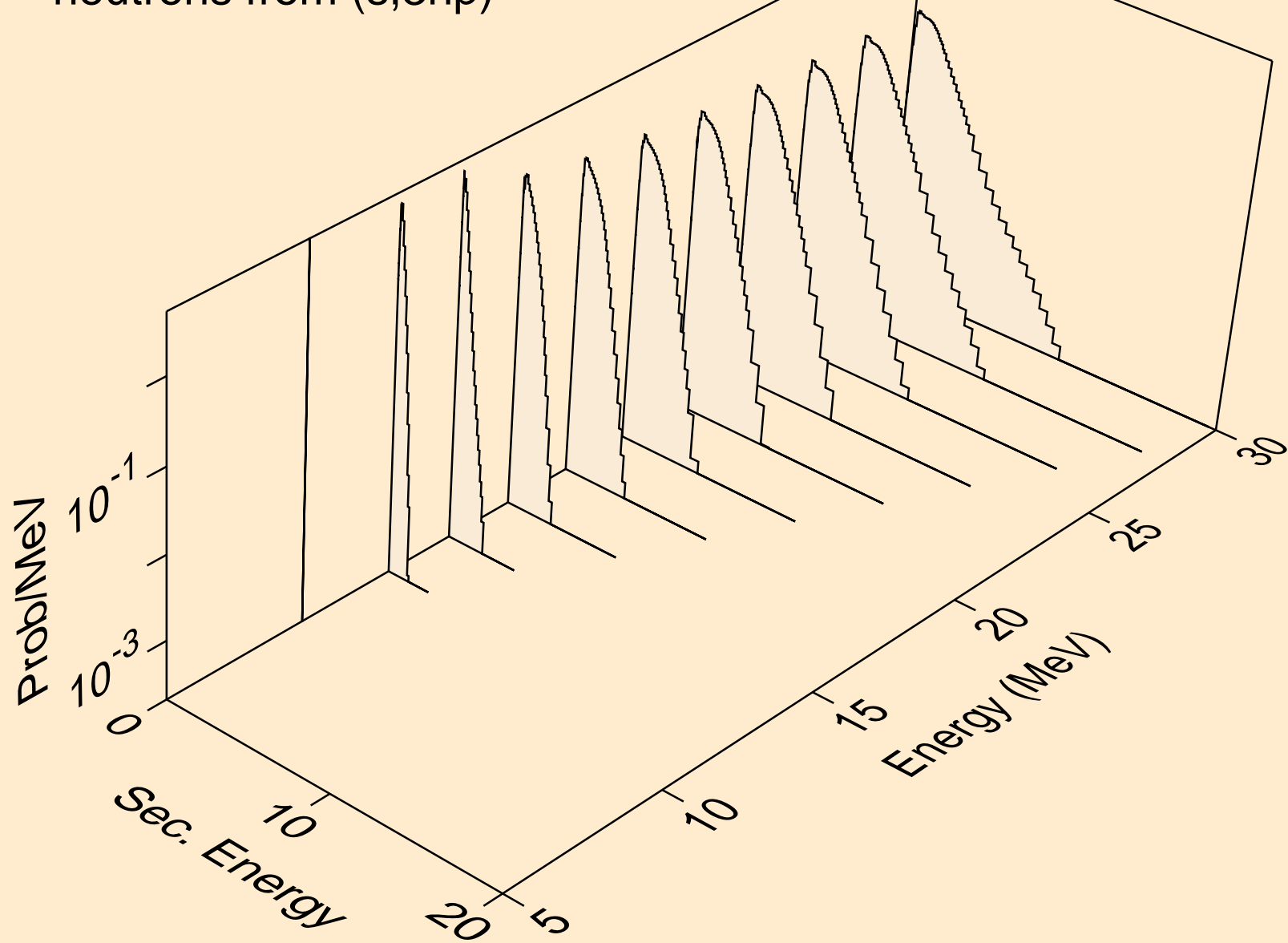
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neutrons from (s,4n)



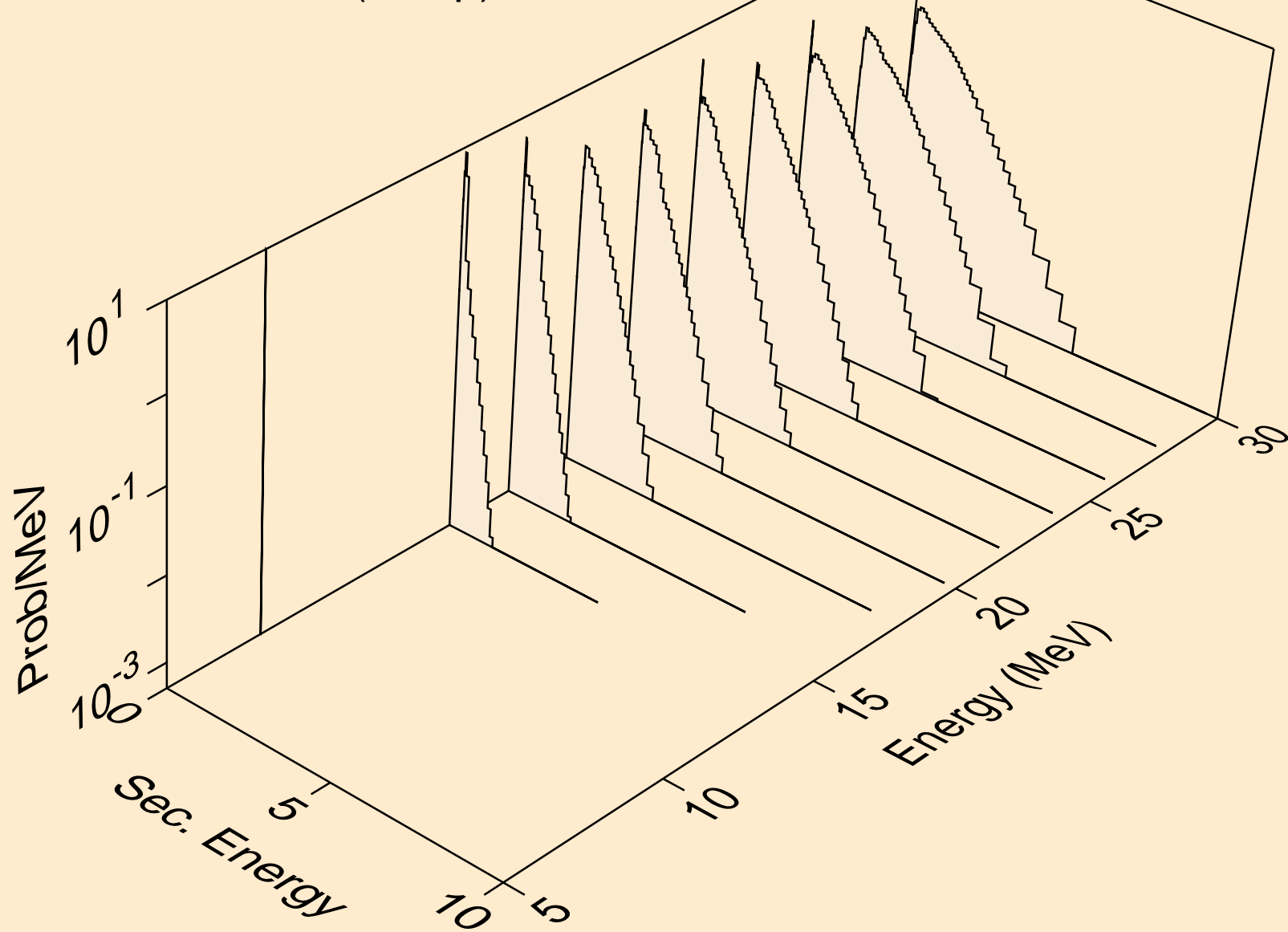
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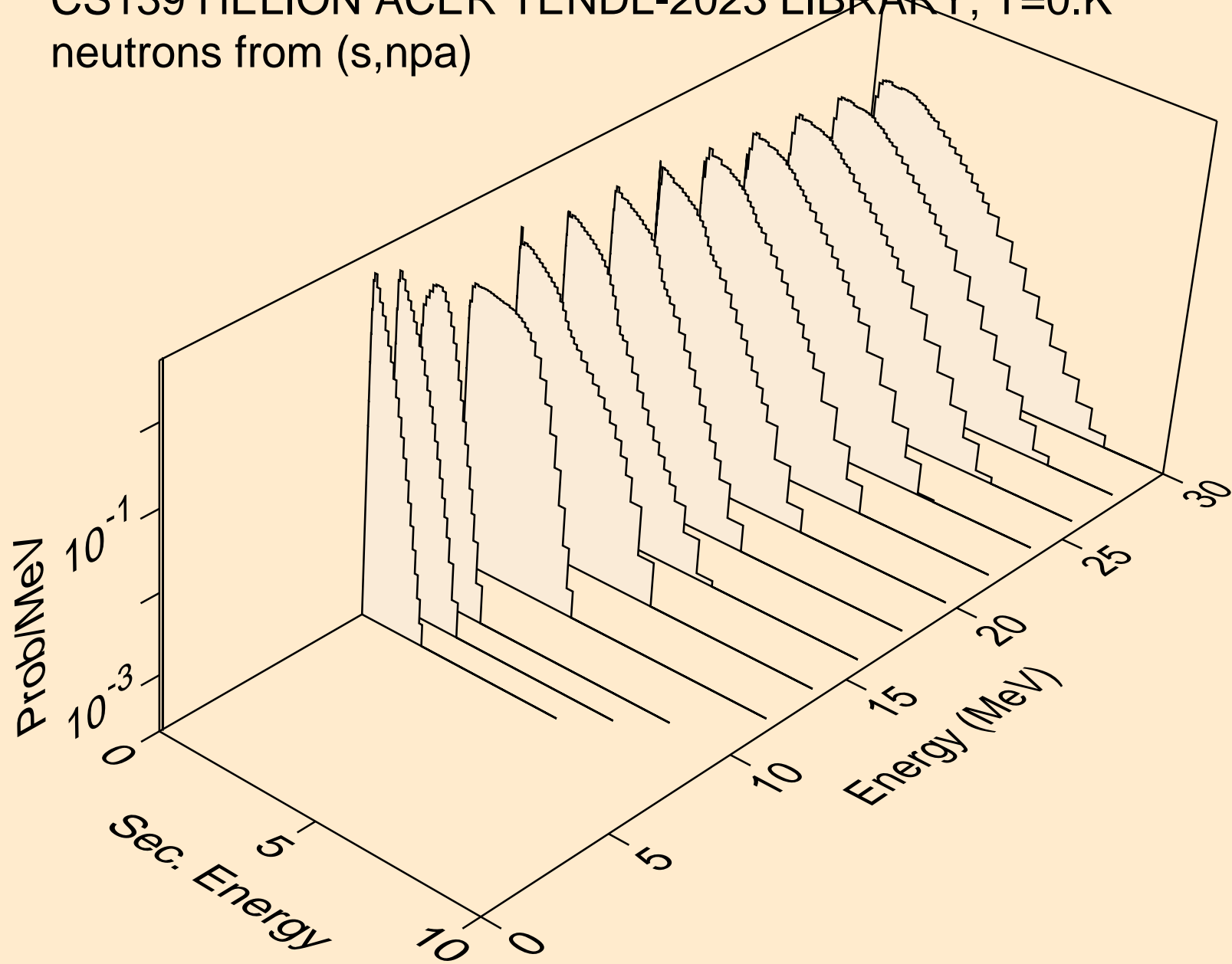
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neutrons from (s,3np)



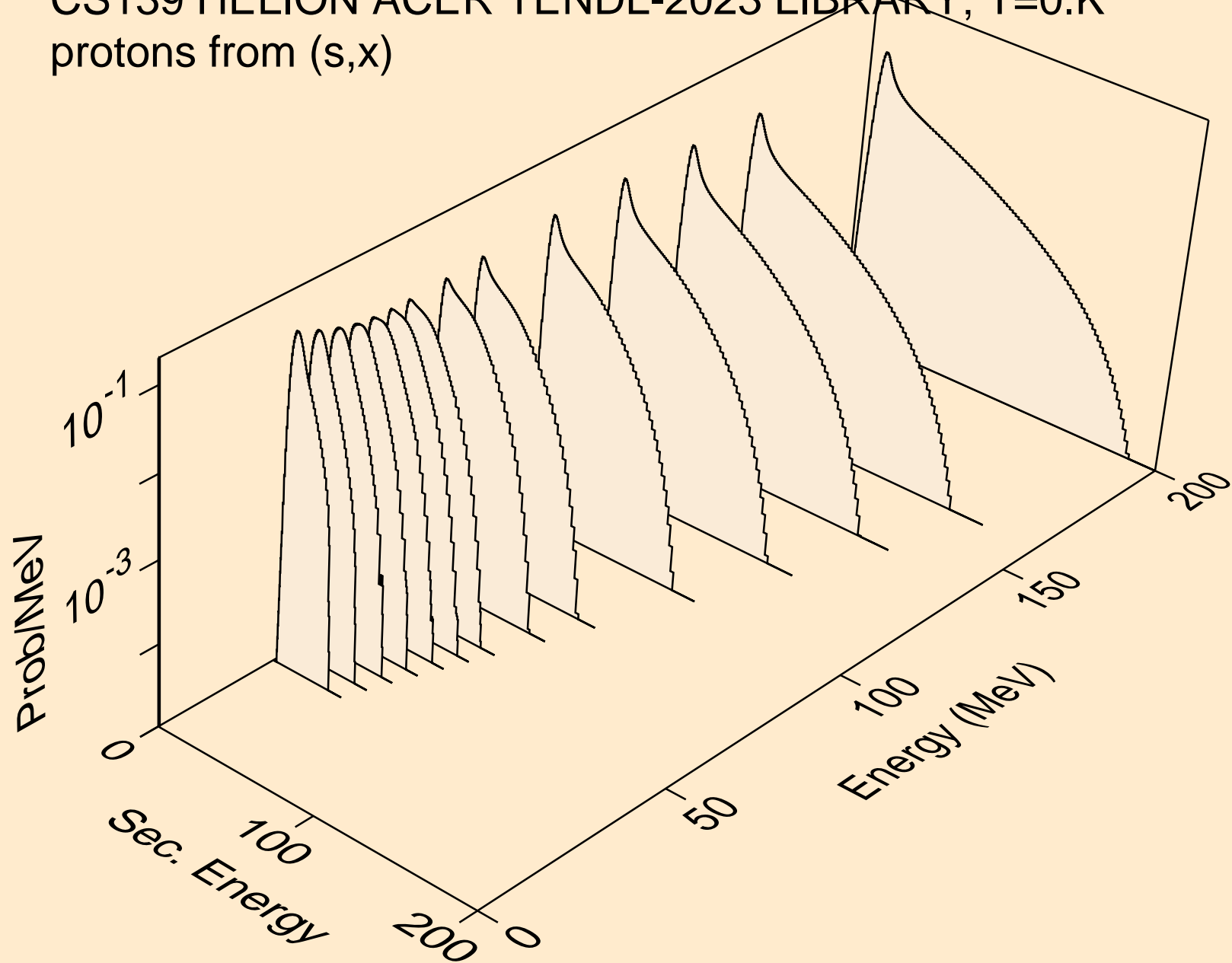
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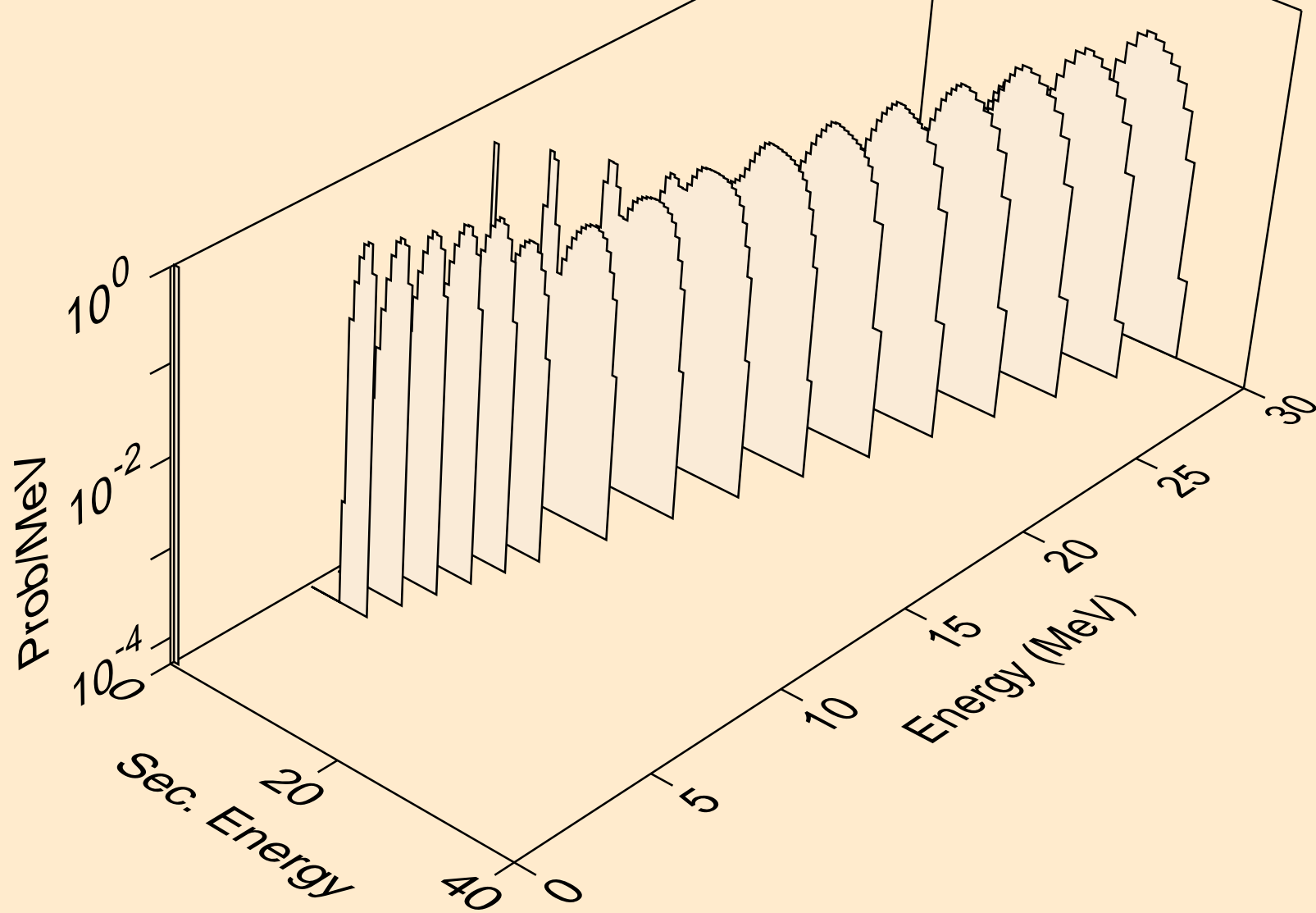
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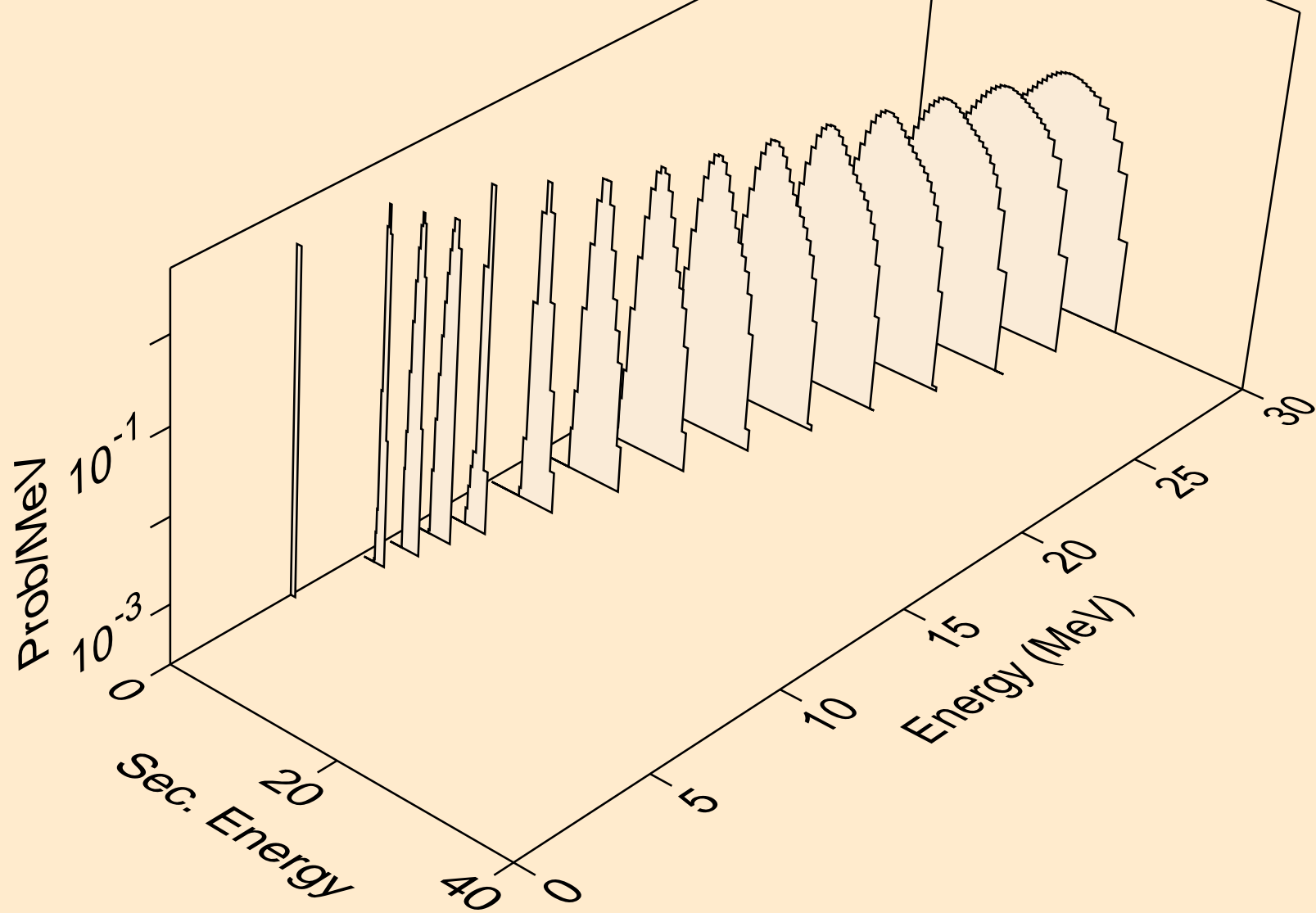
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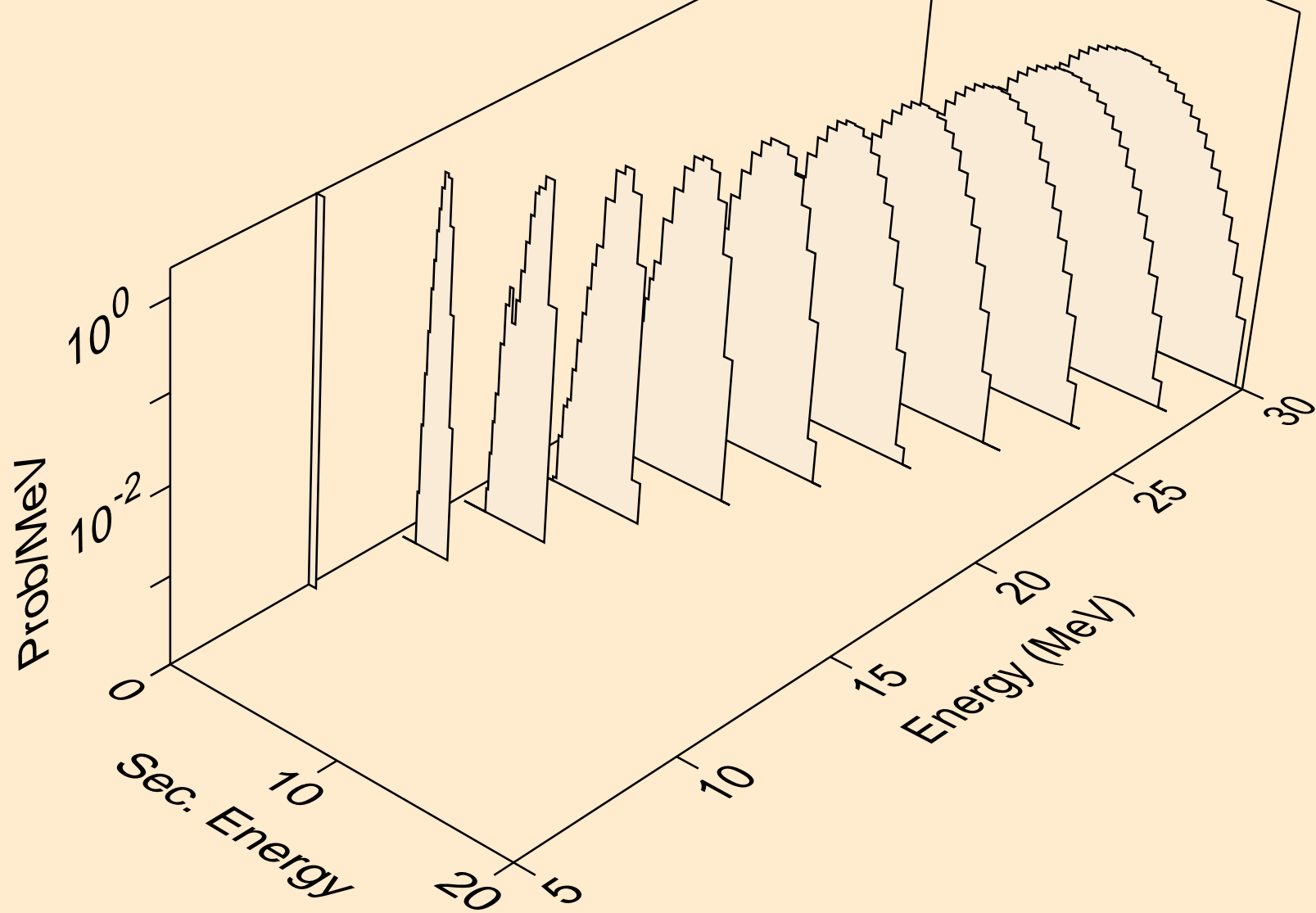
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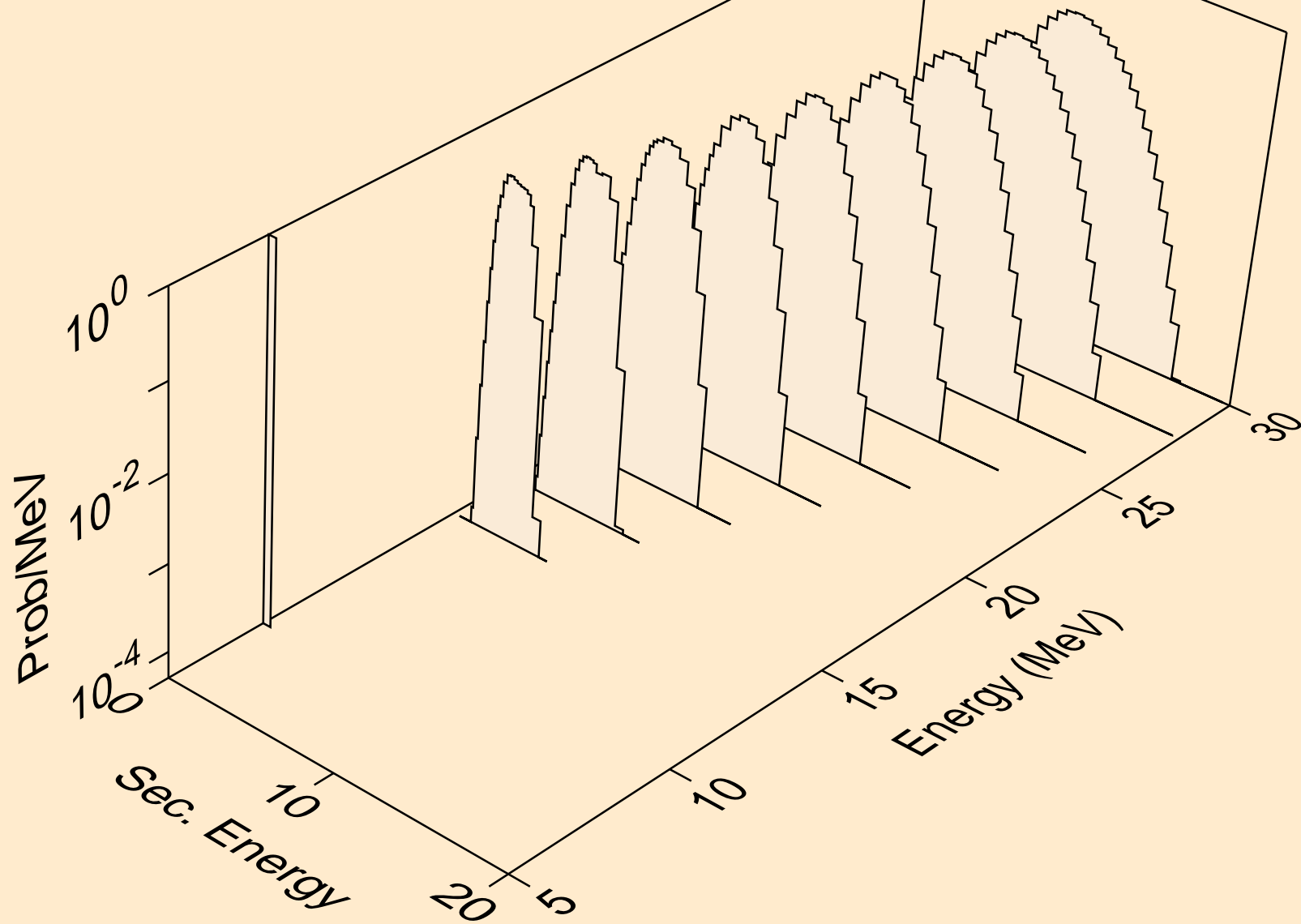
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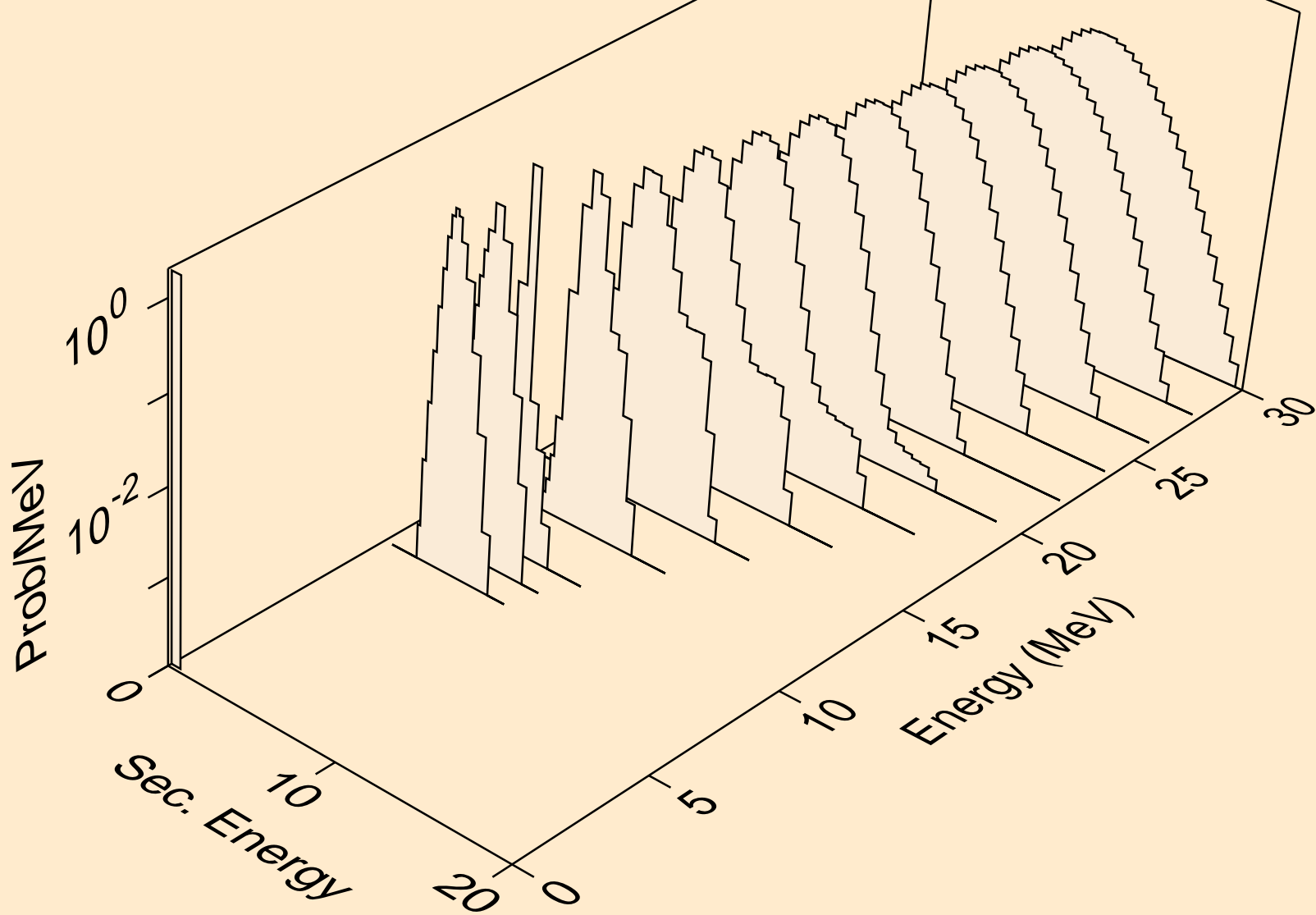
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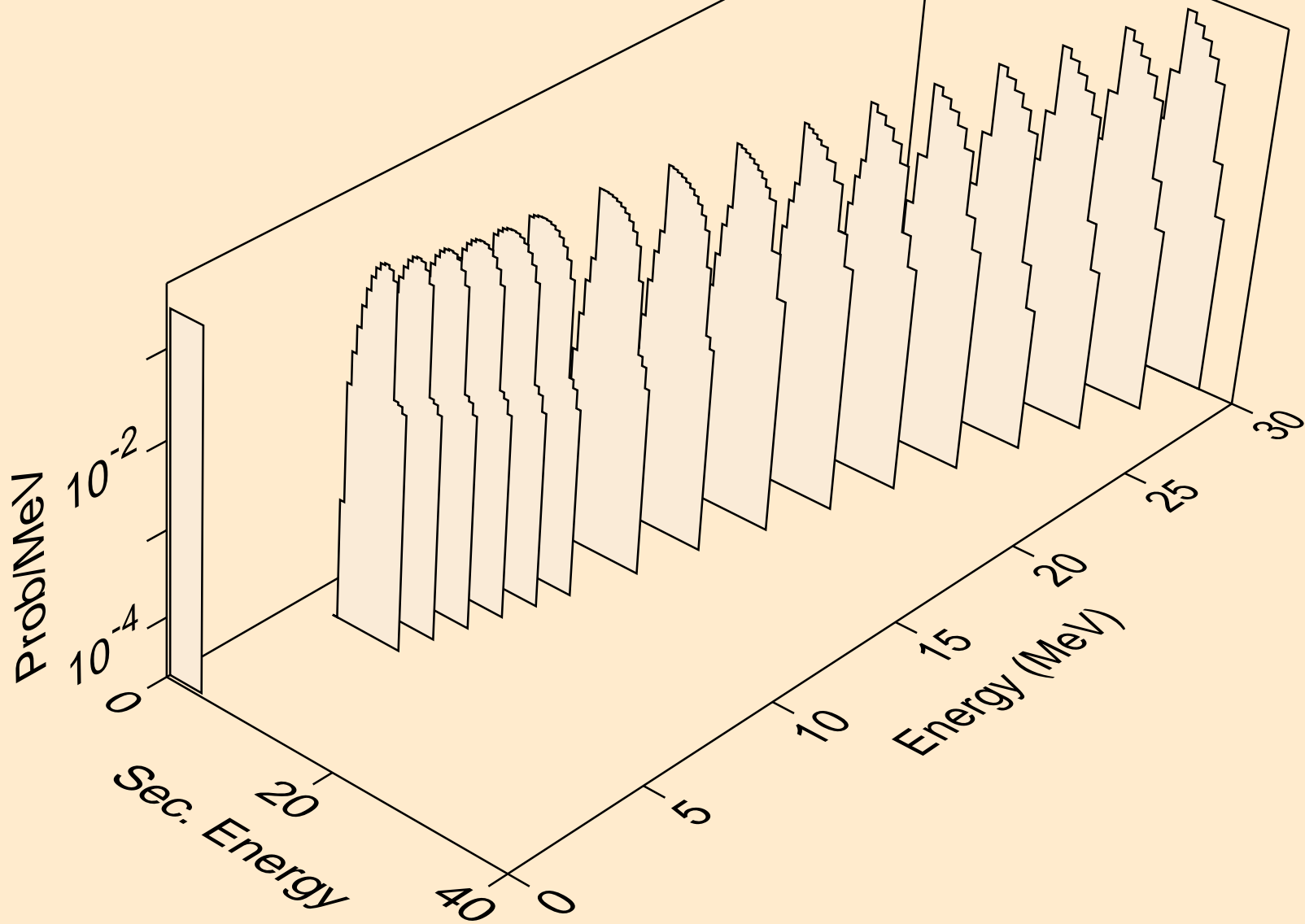
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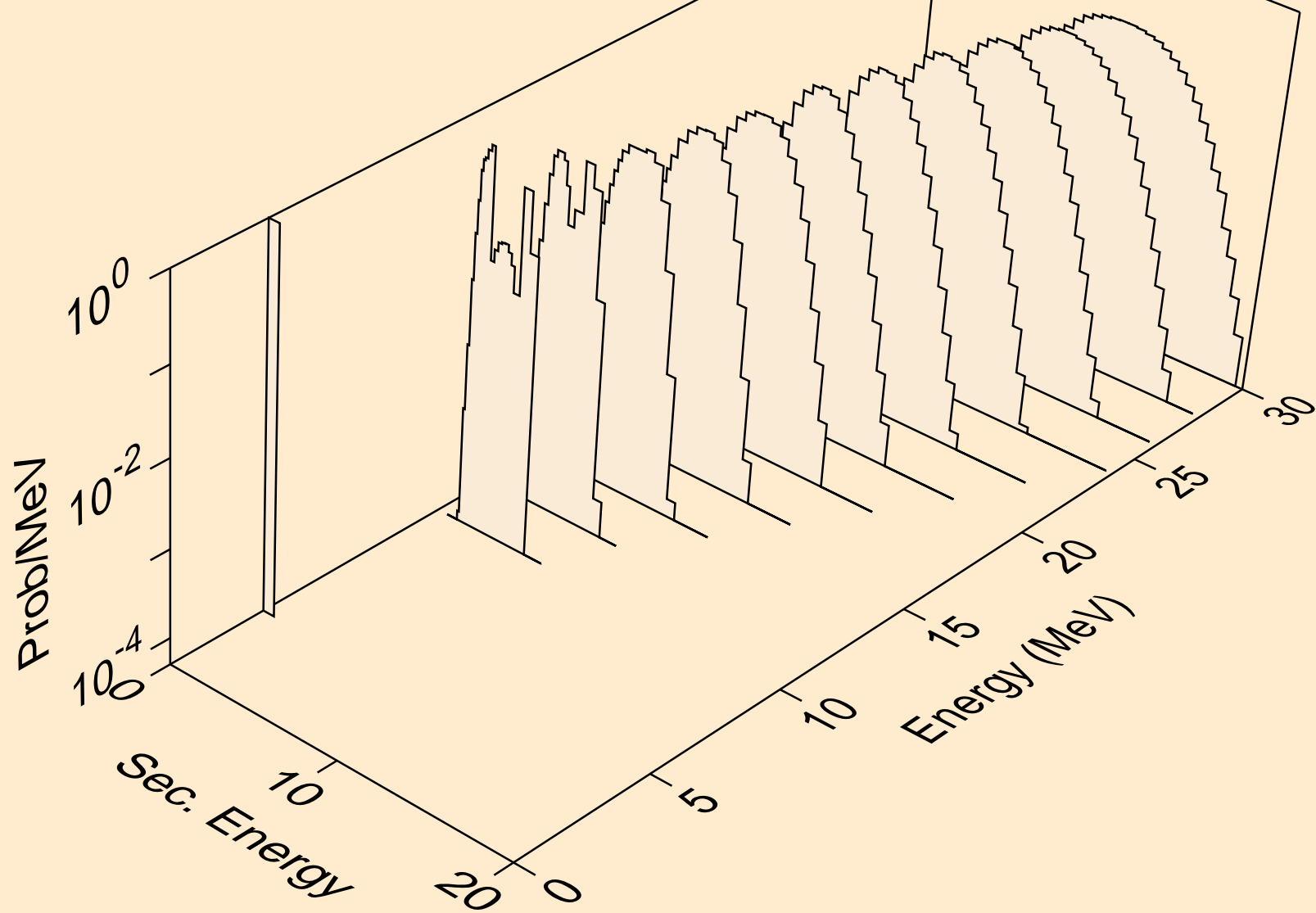
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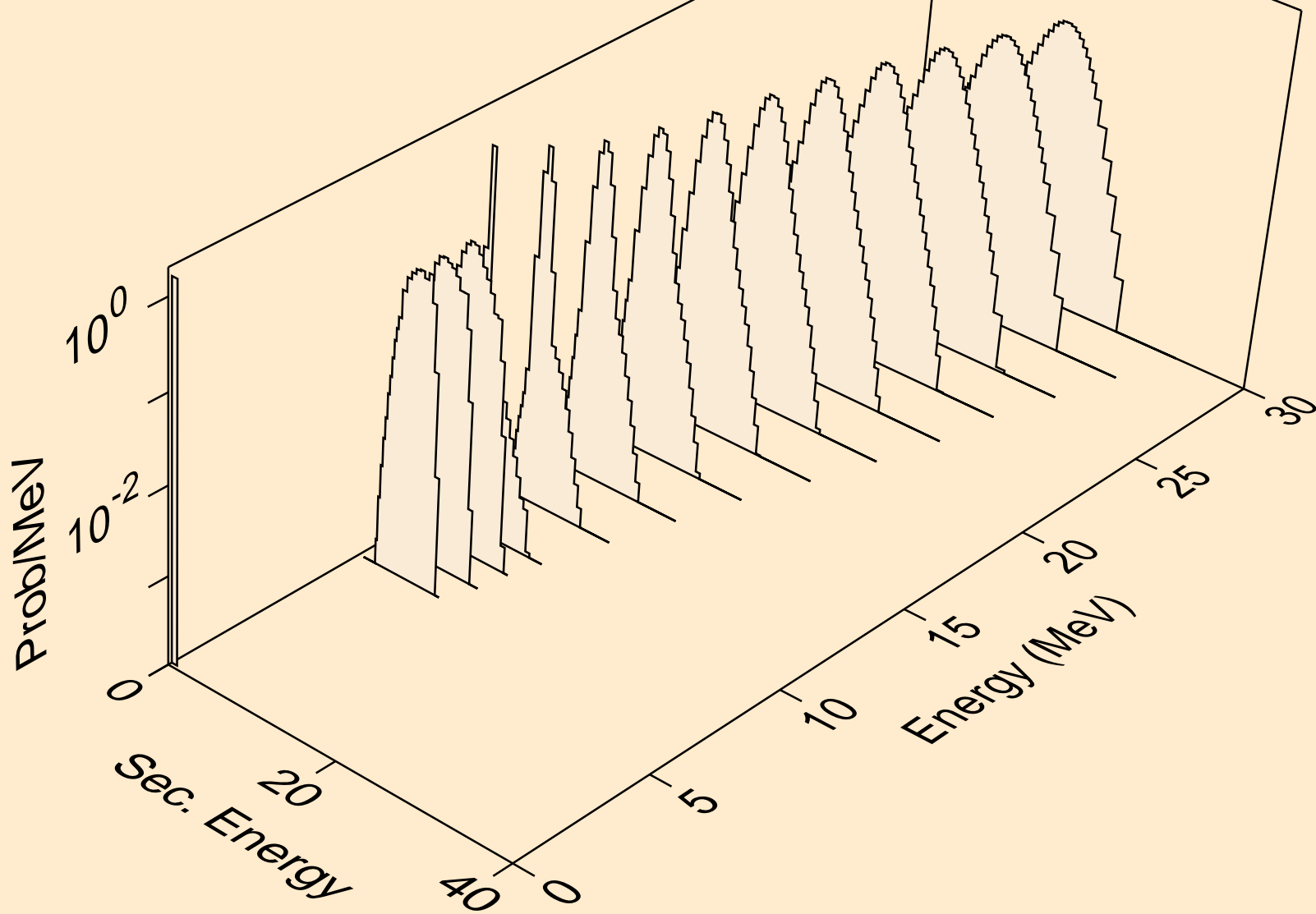
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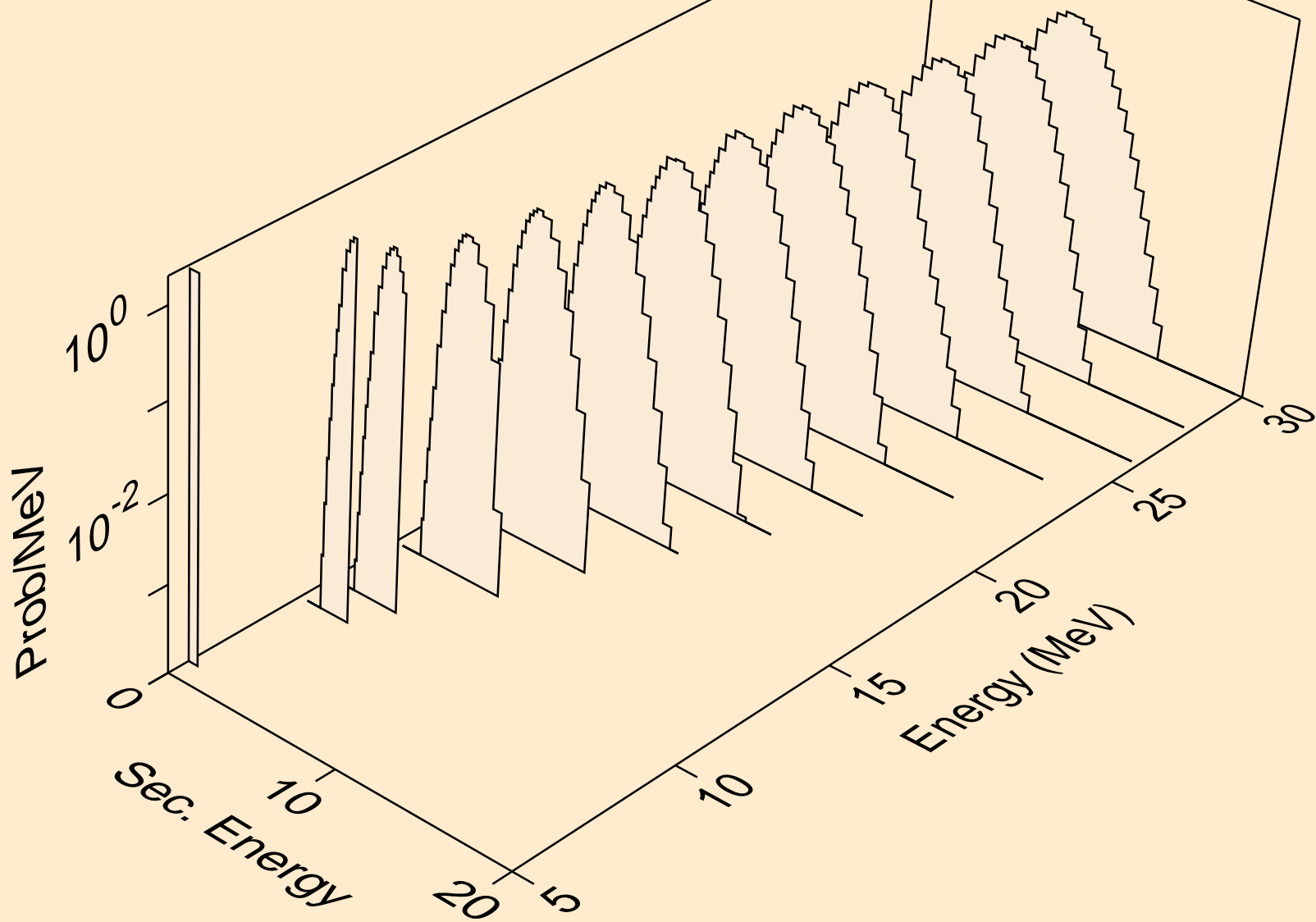
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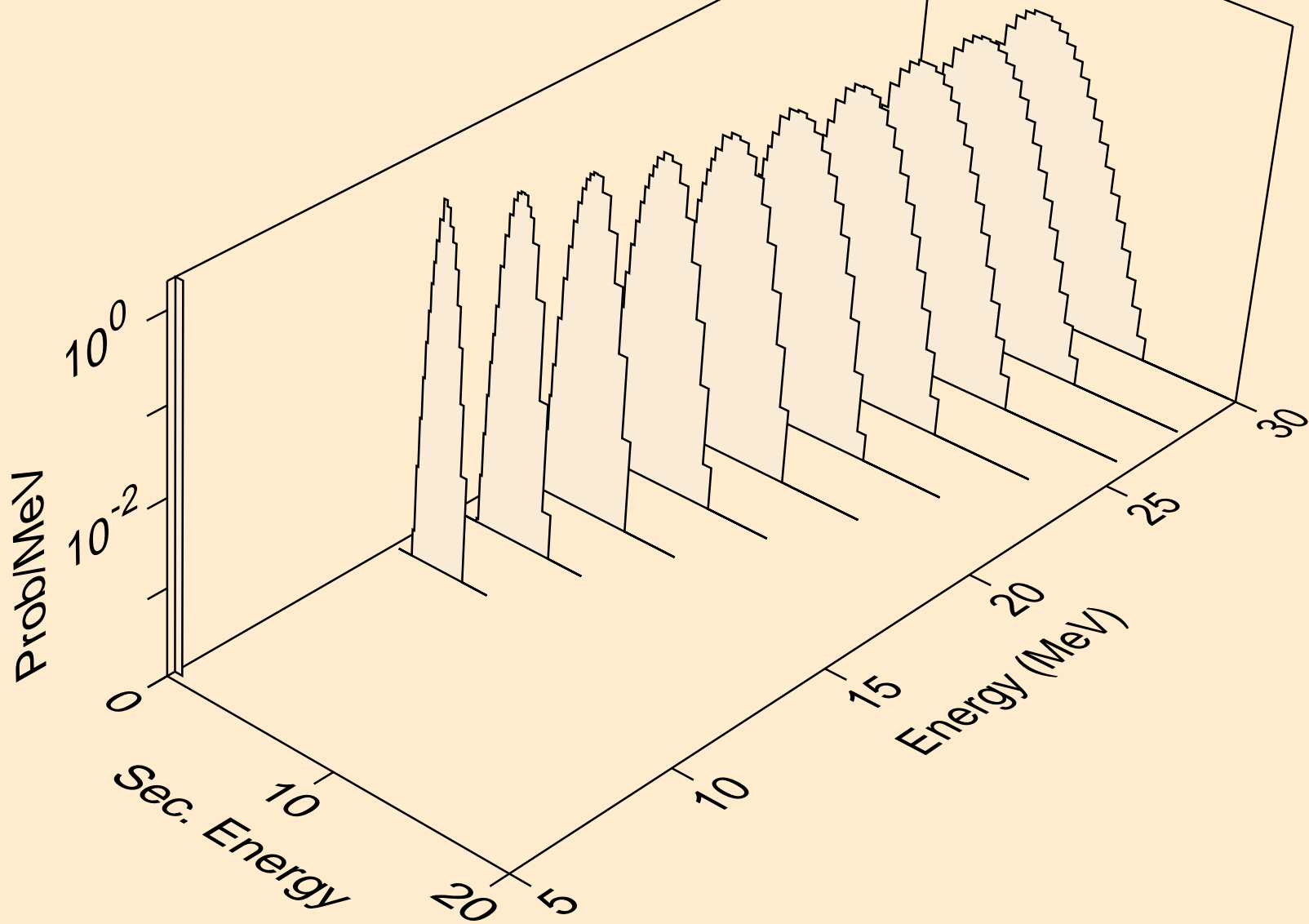
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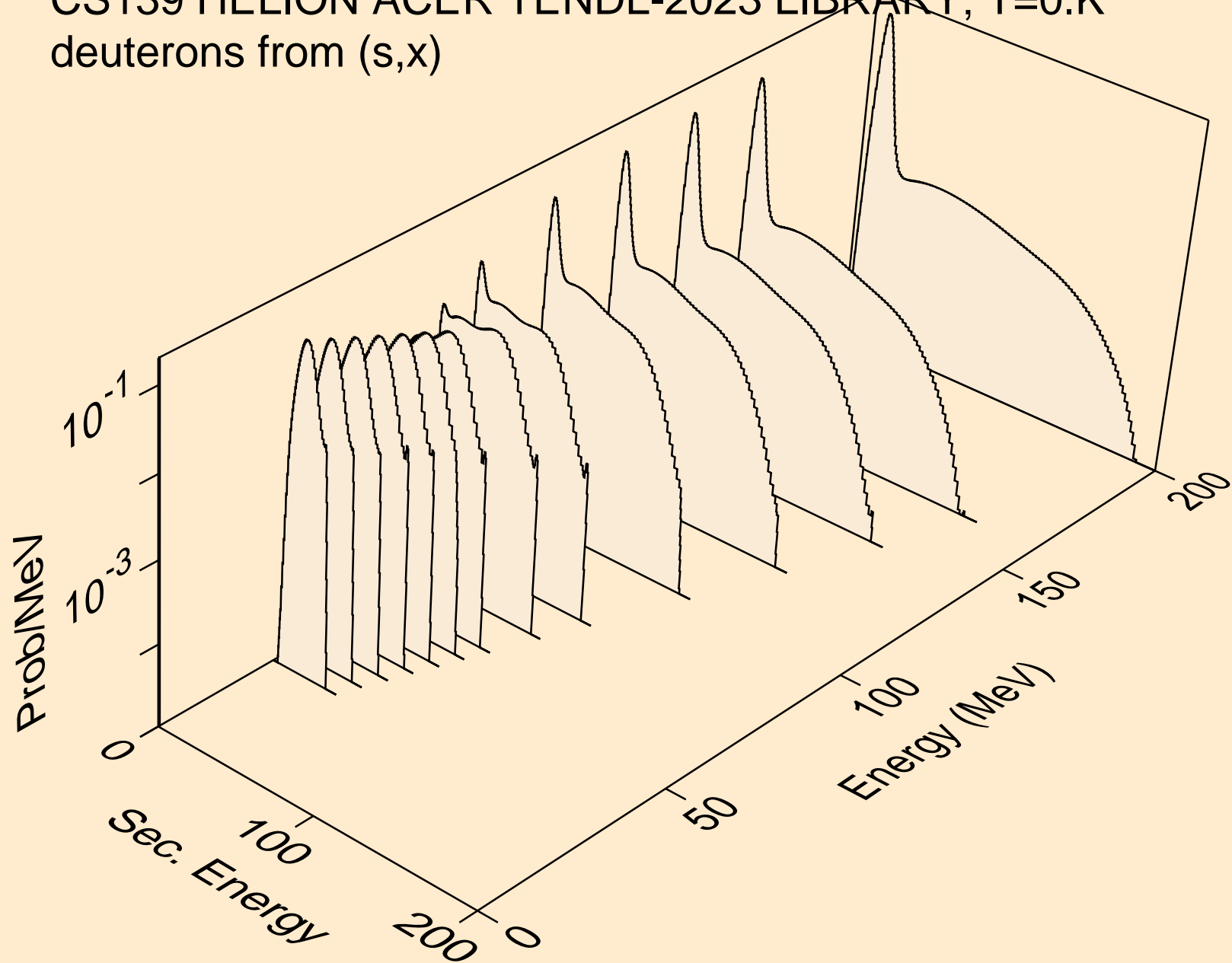
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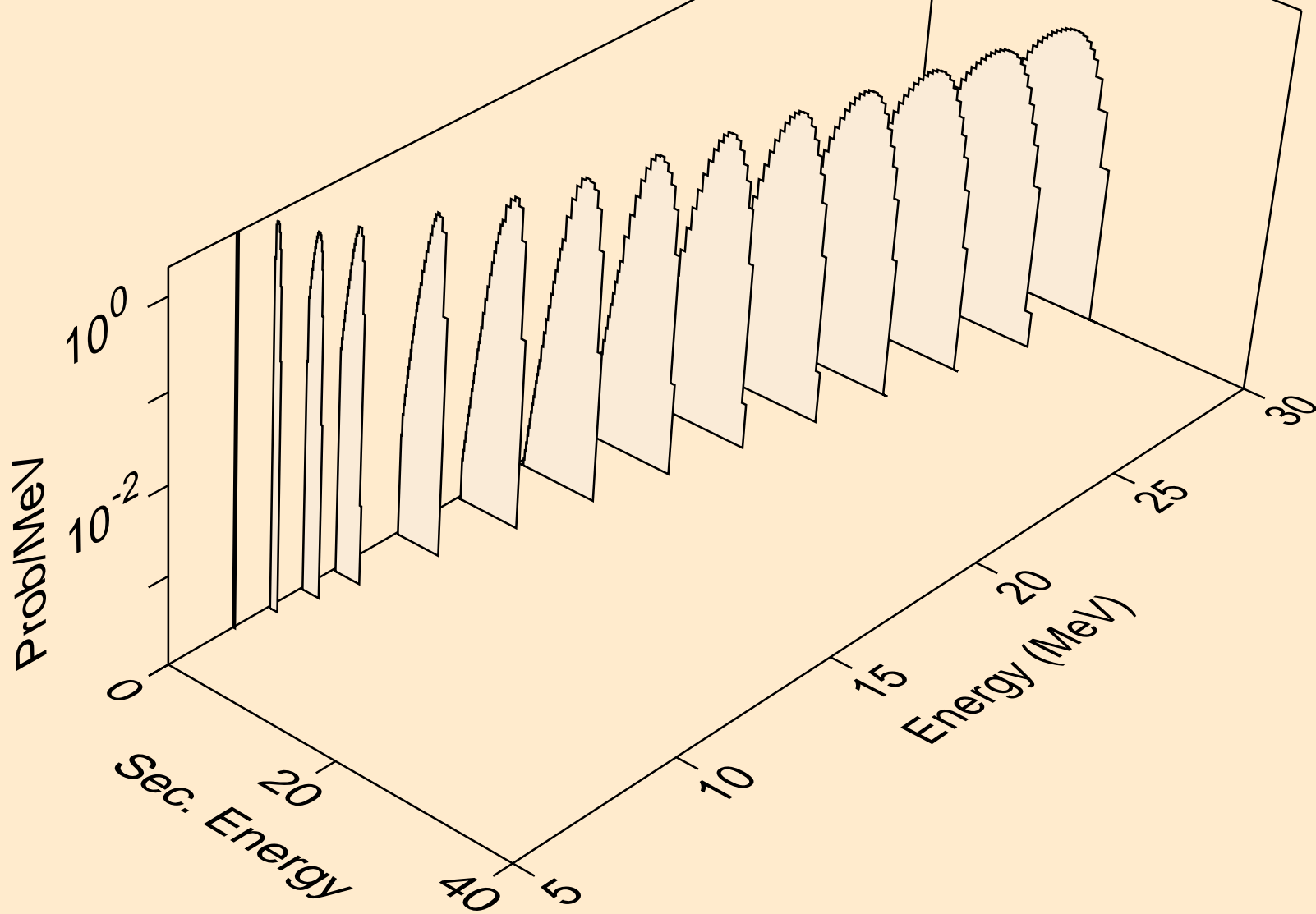
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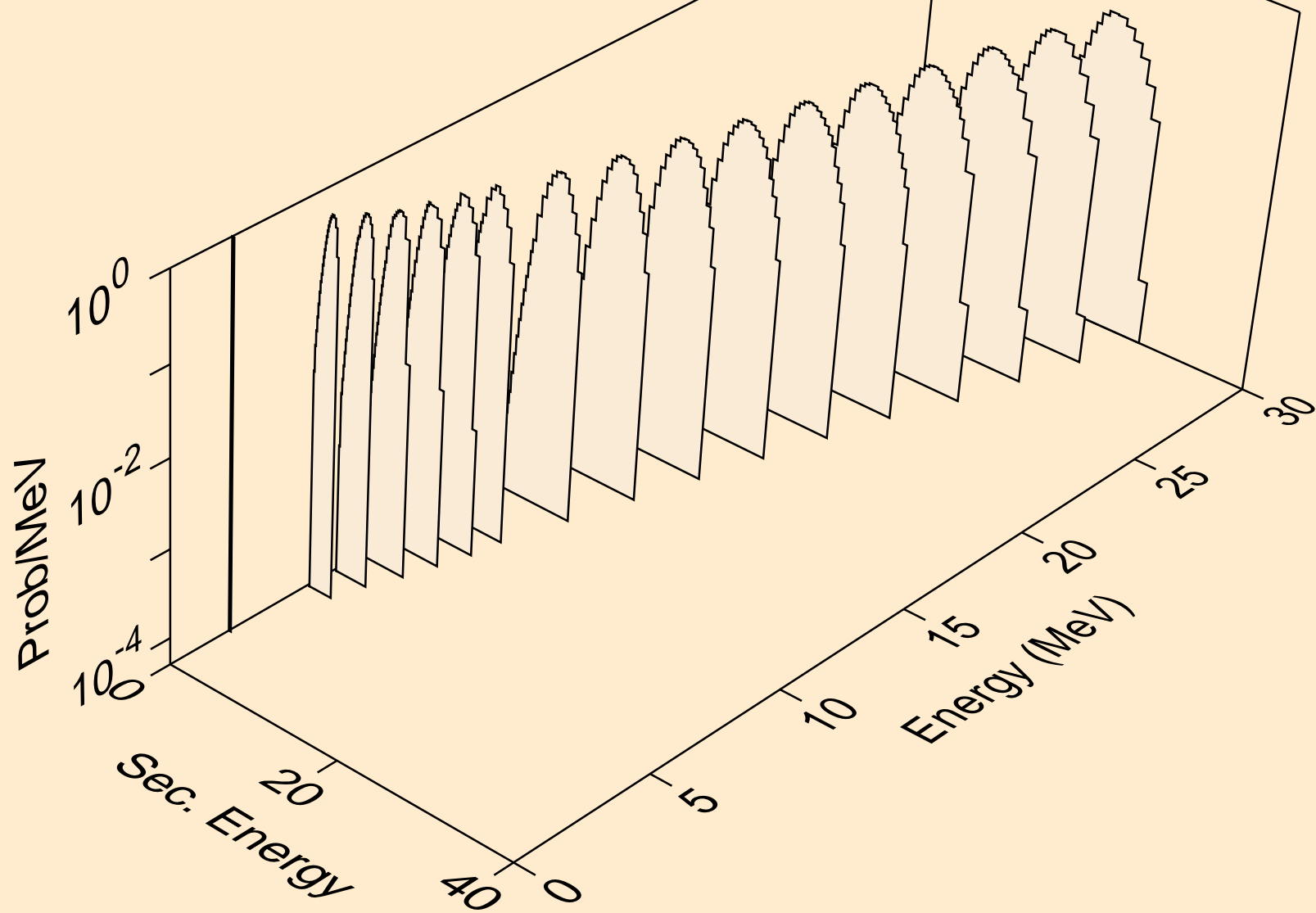
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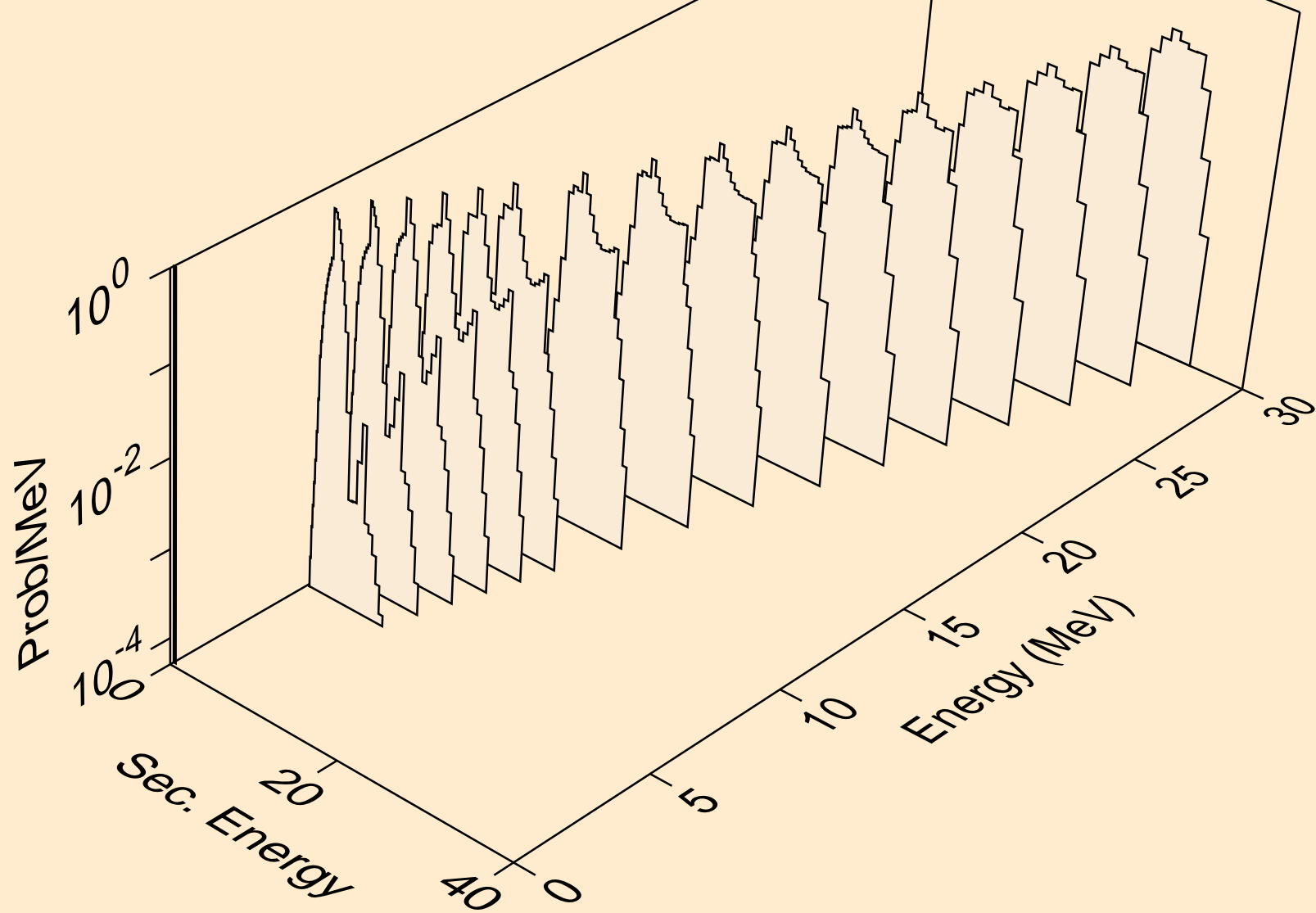
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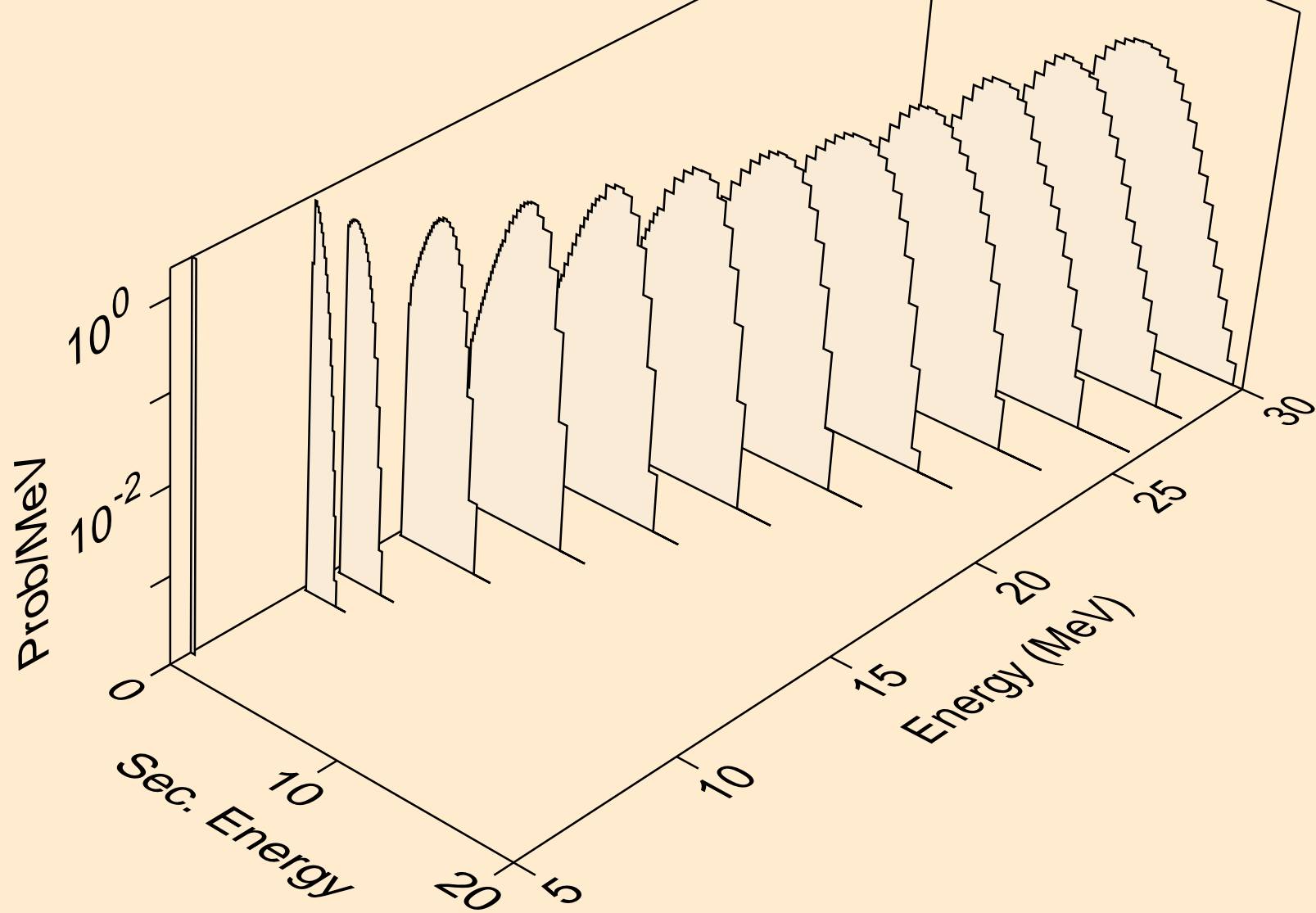
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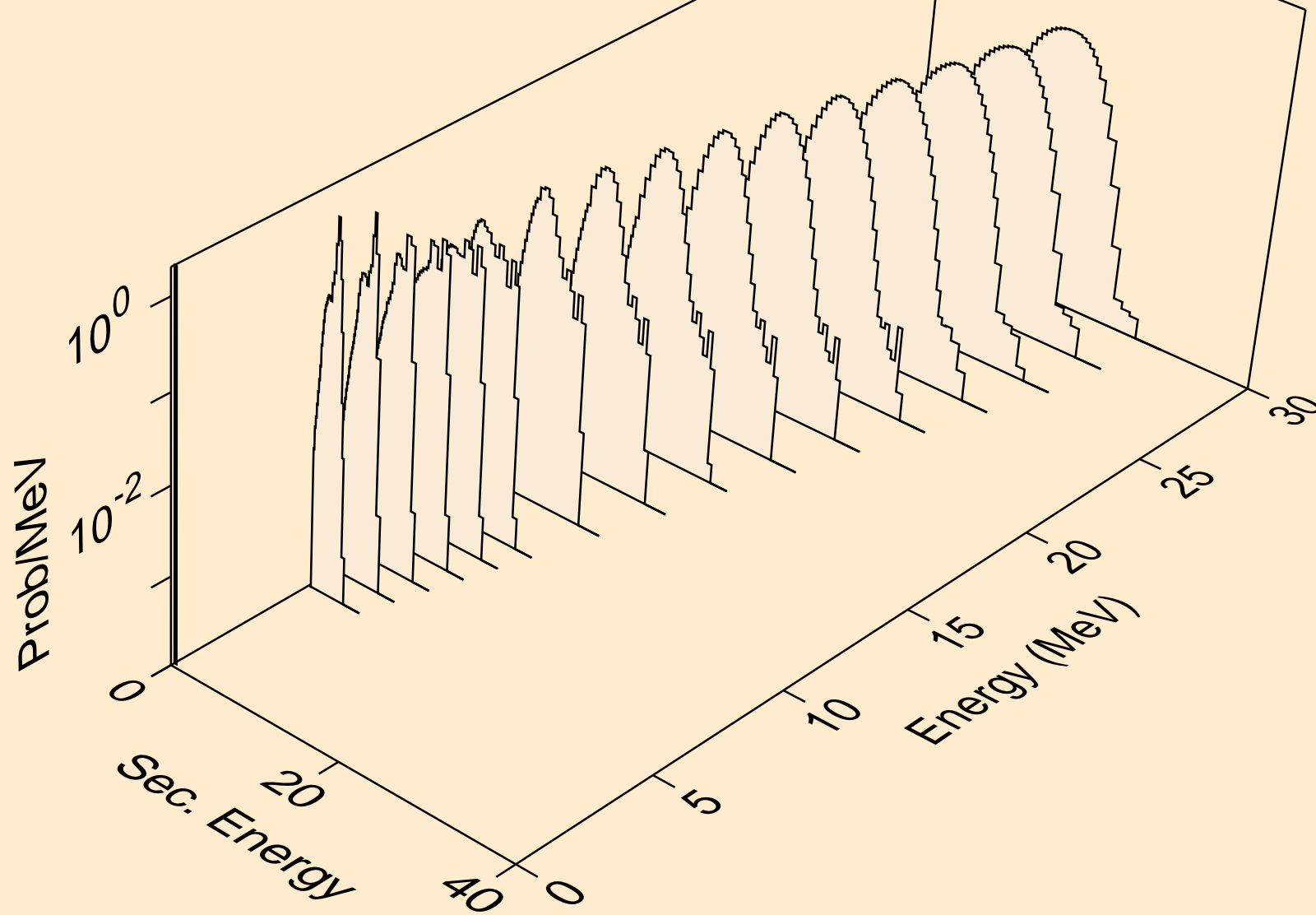
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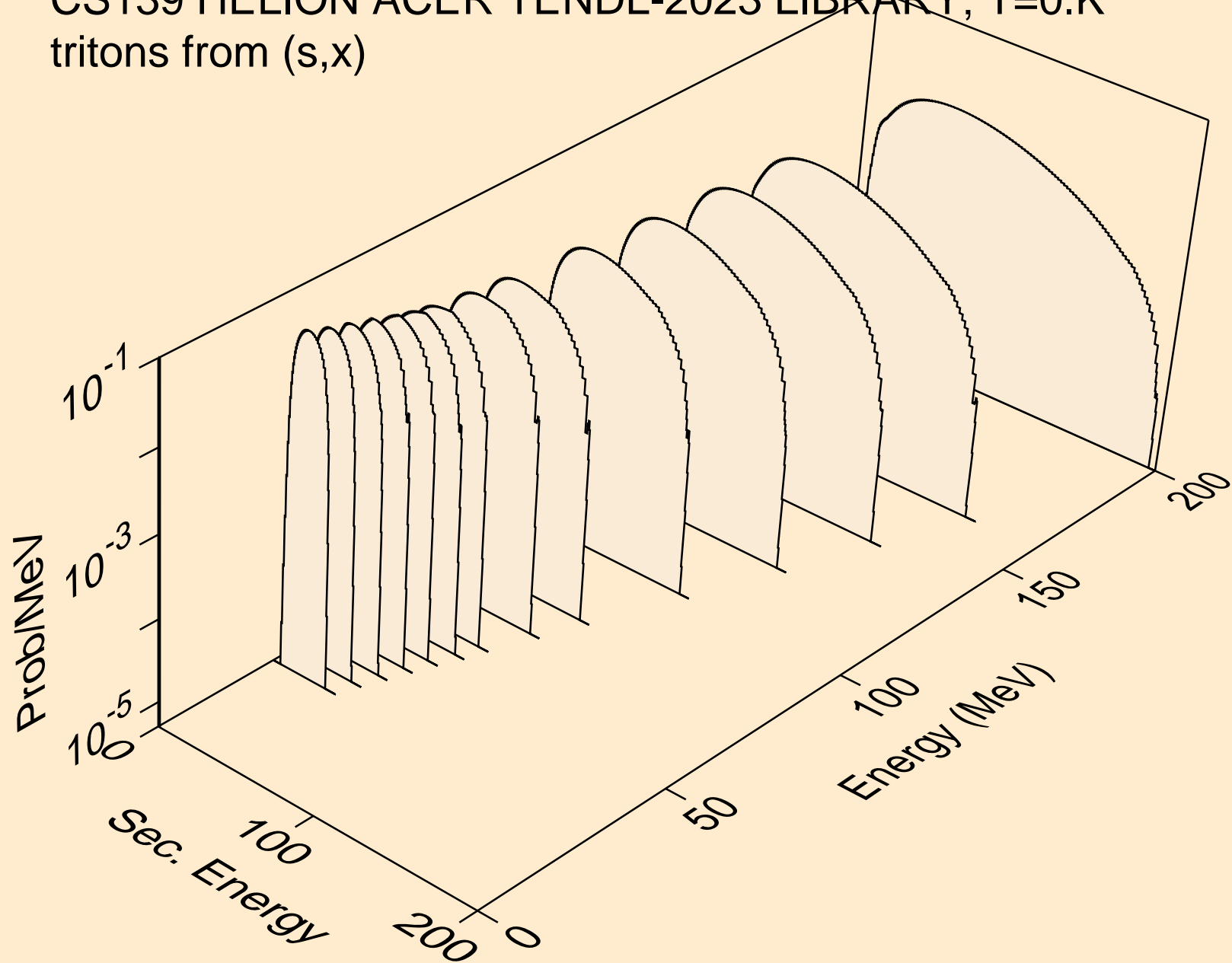
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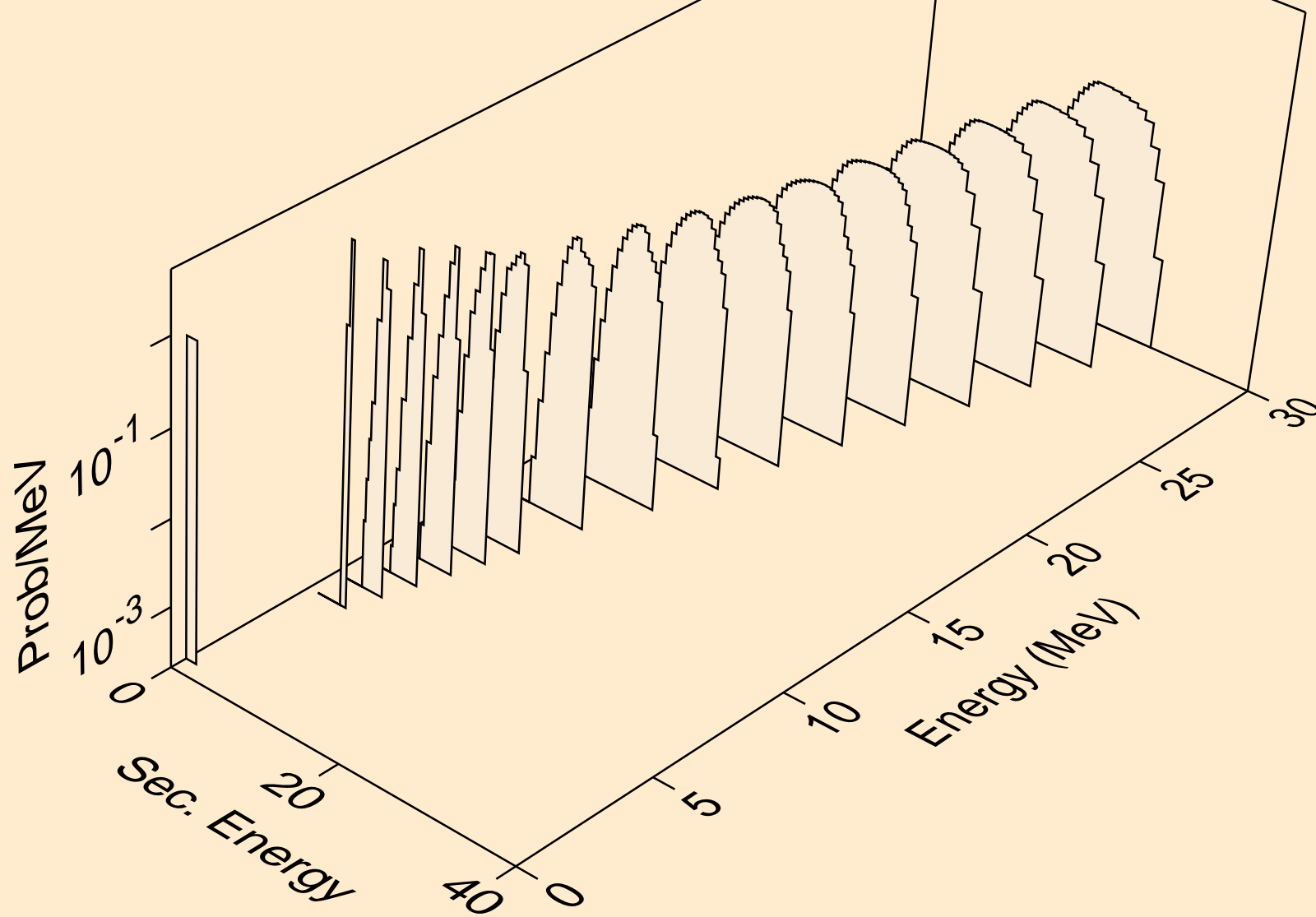
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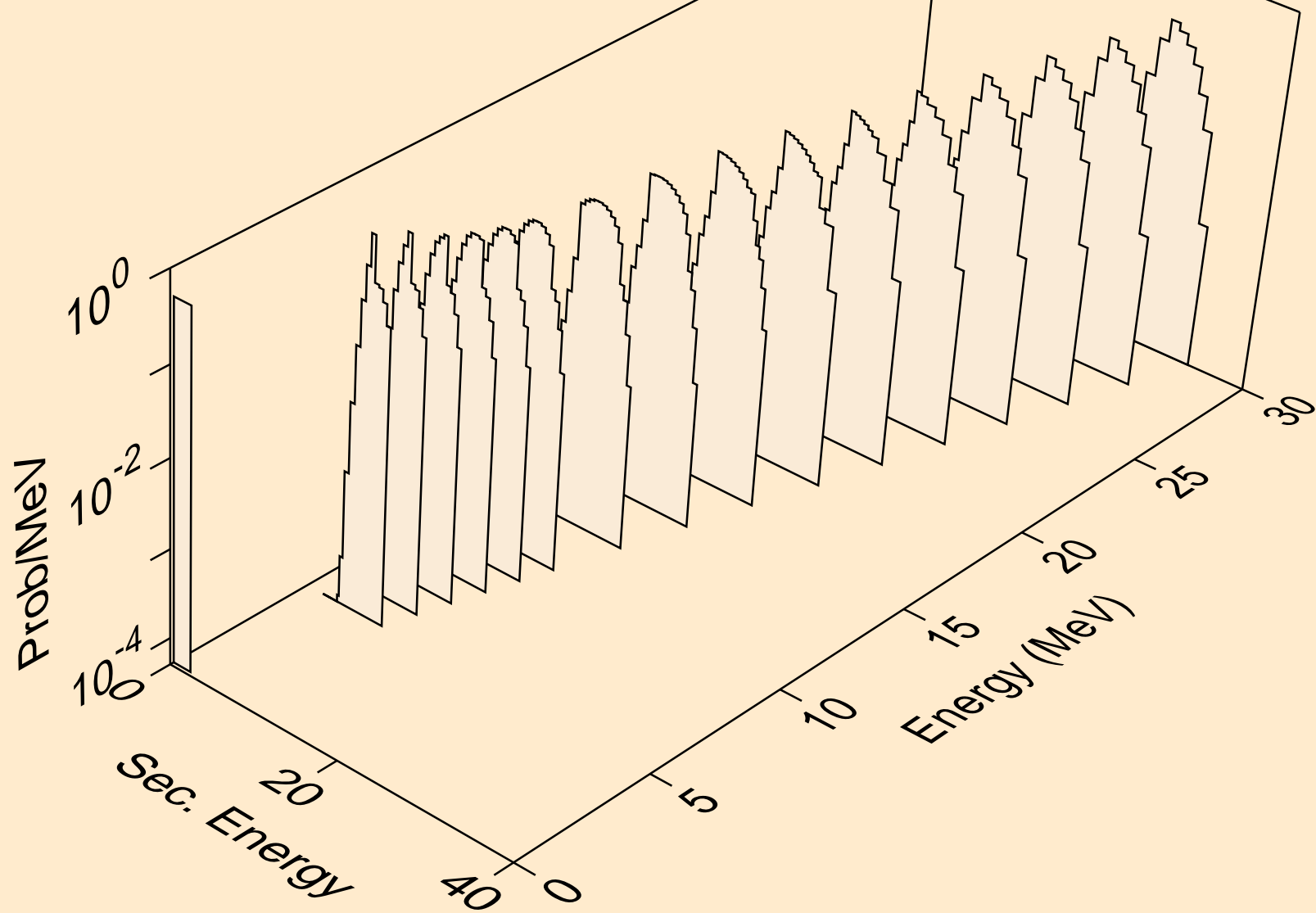
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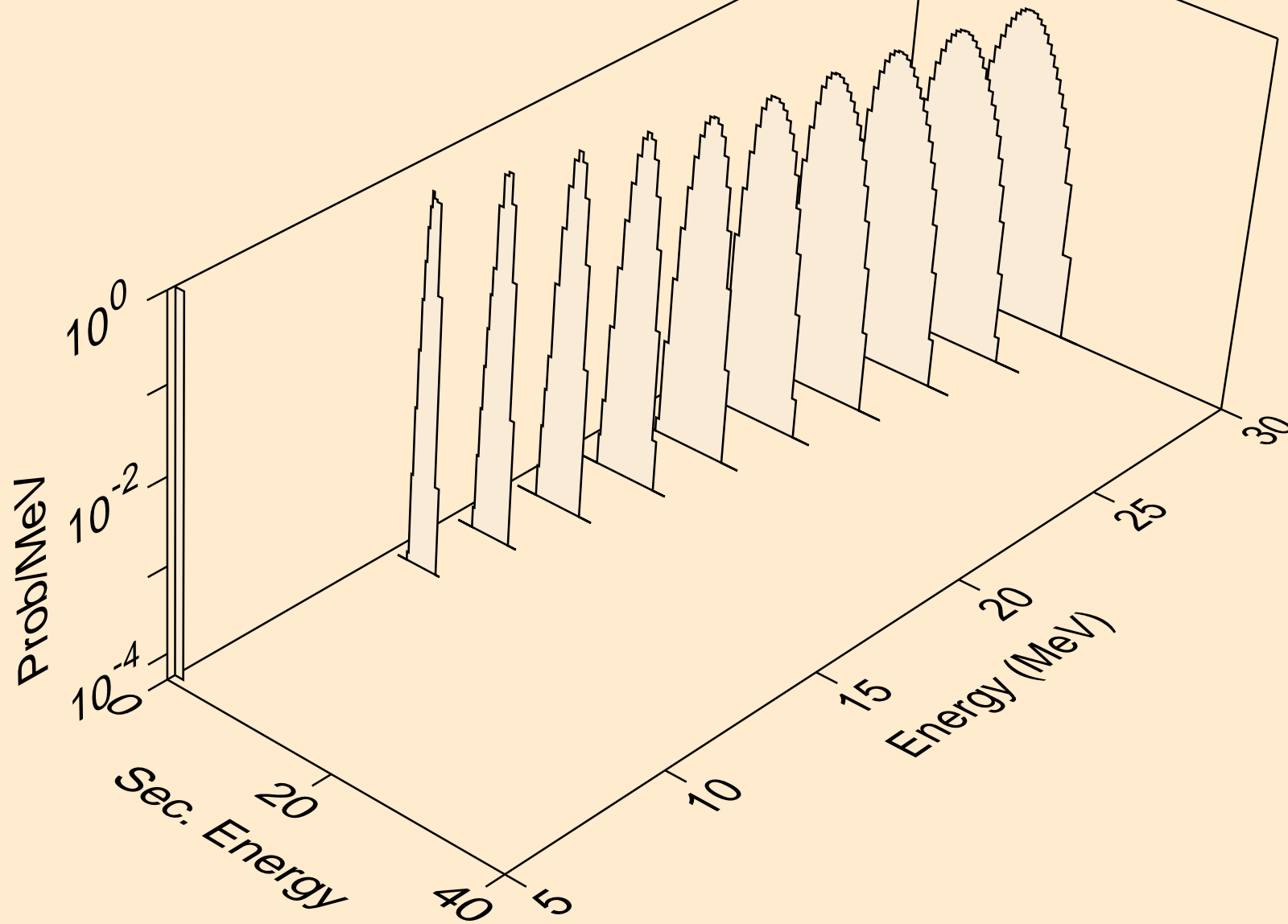
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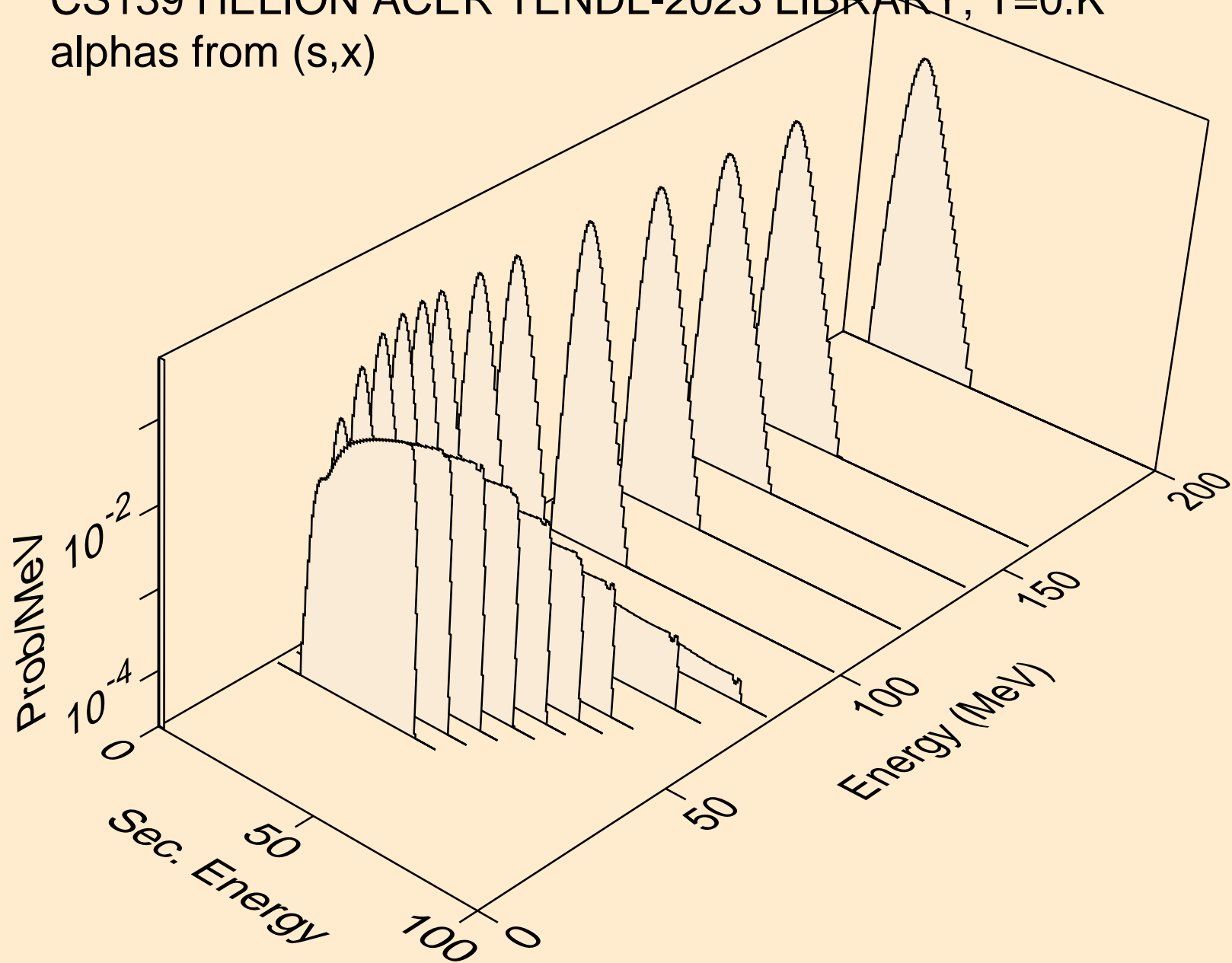
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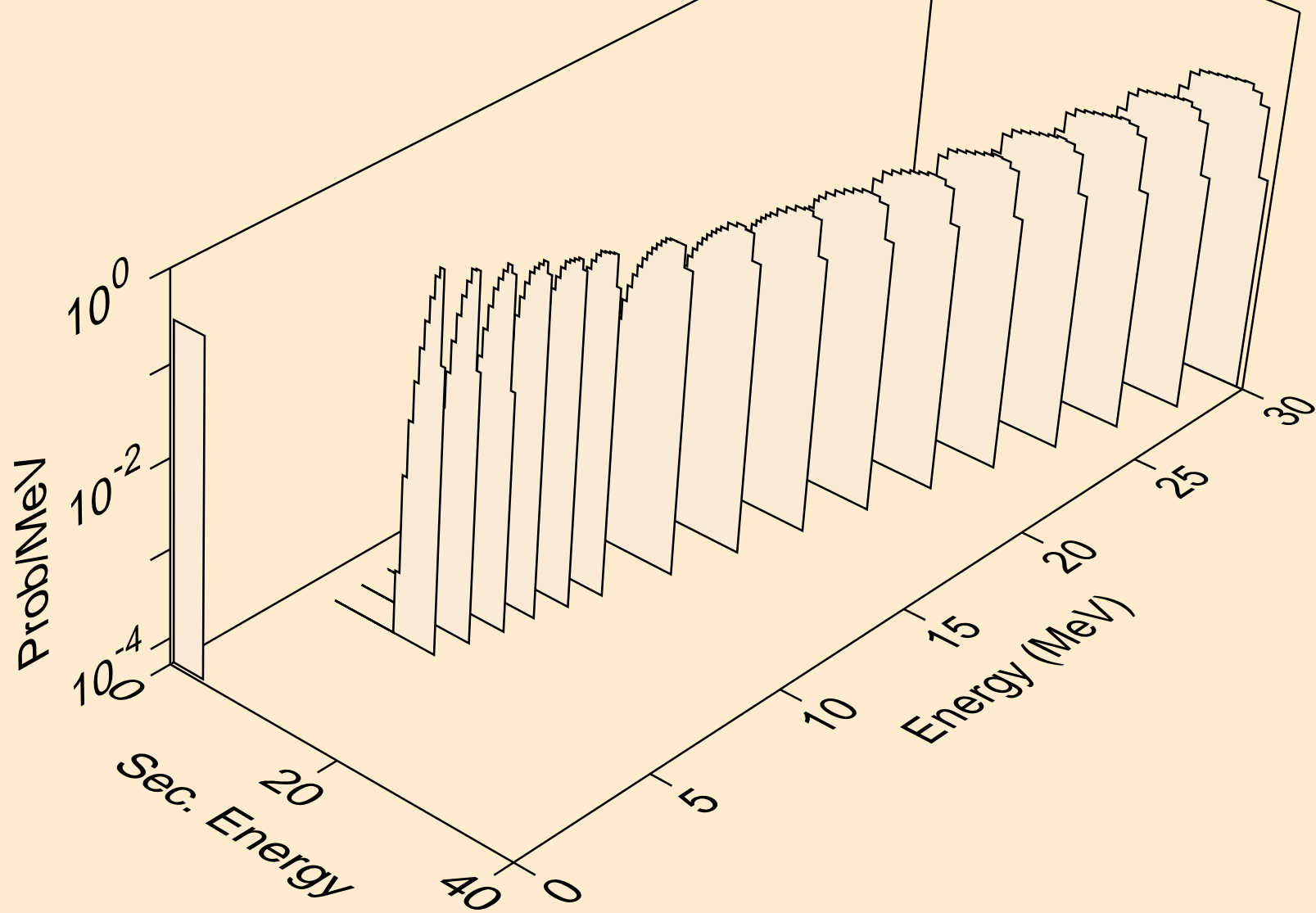
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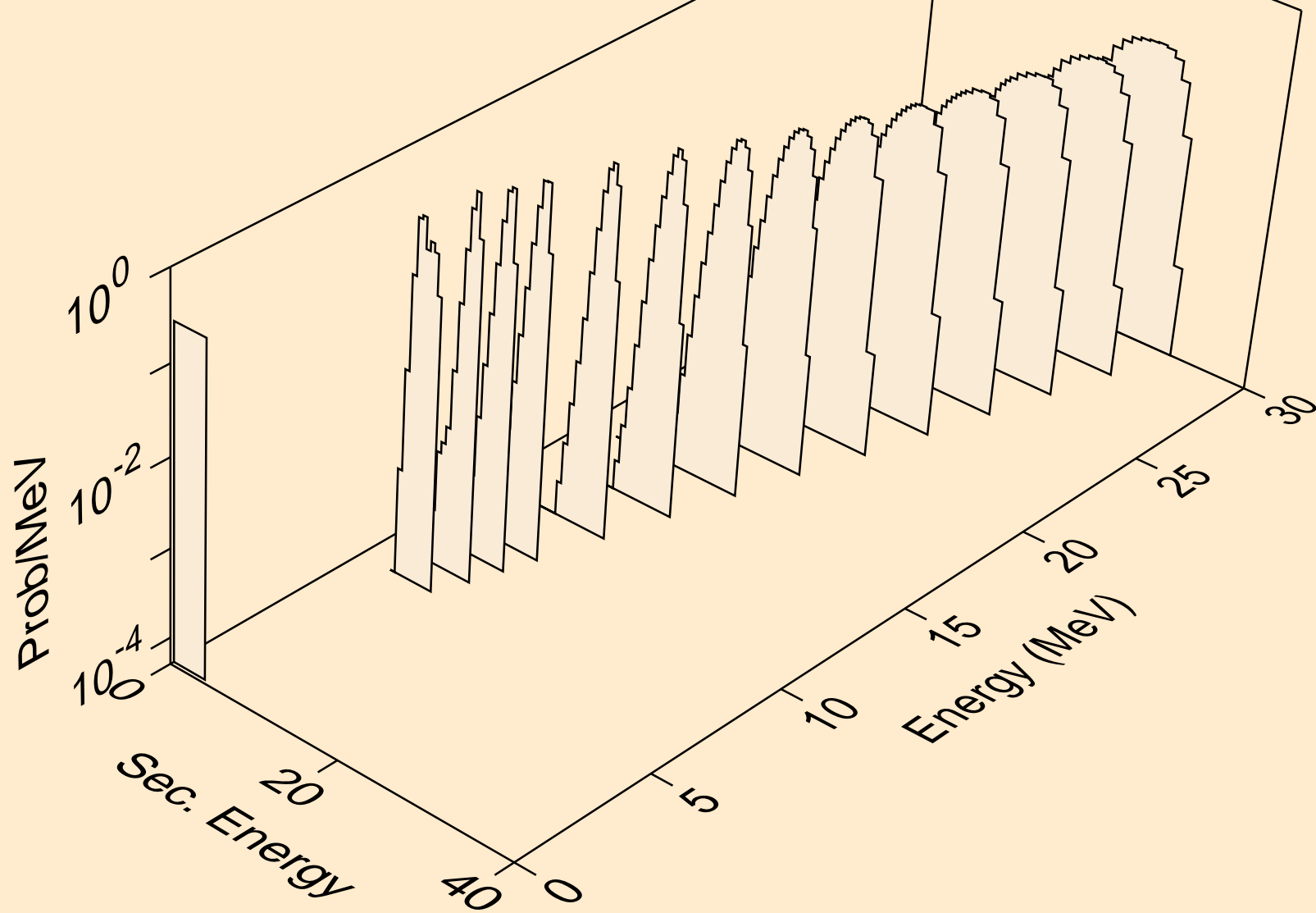
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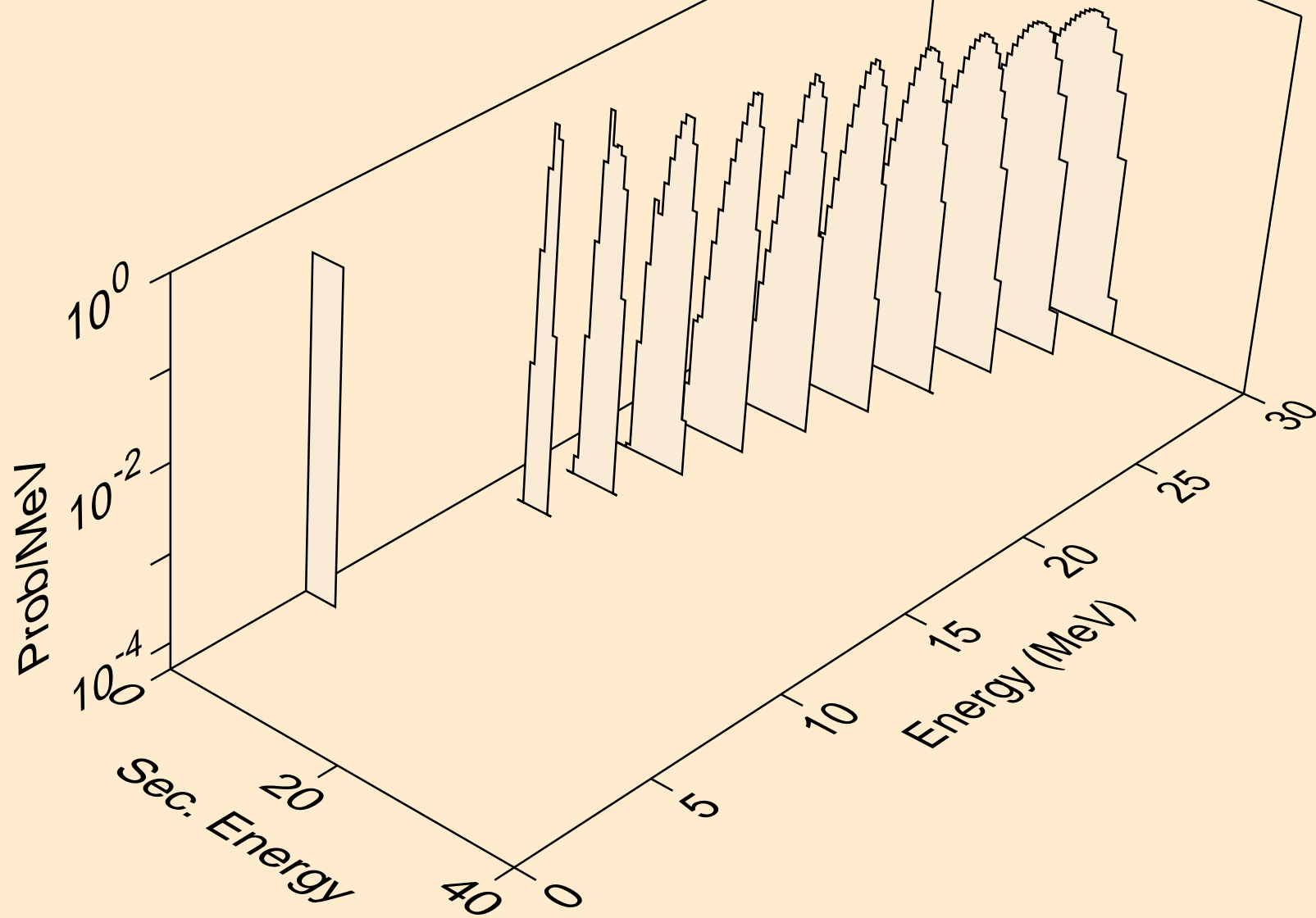
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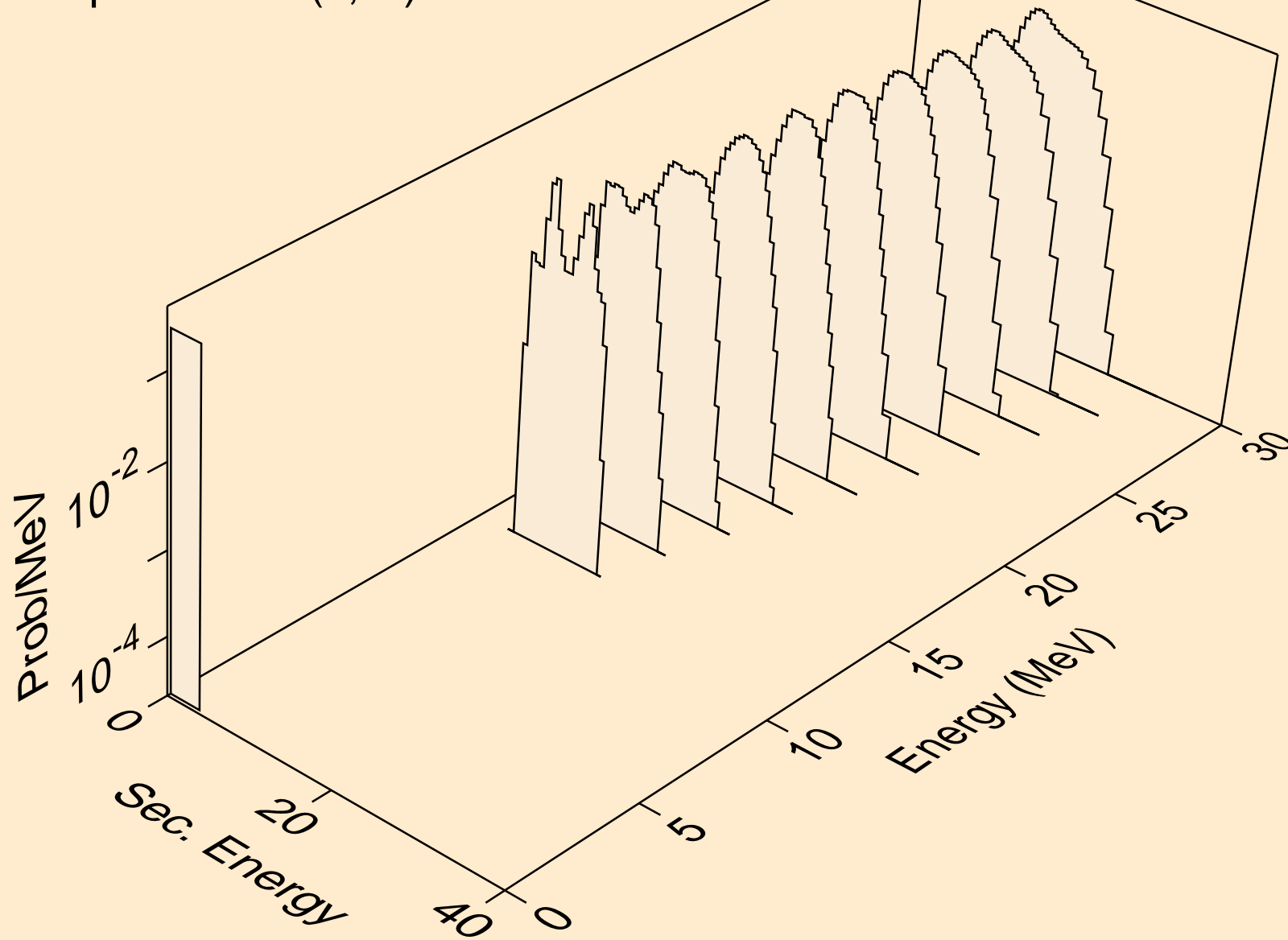
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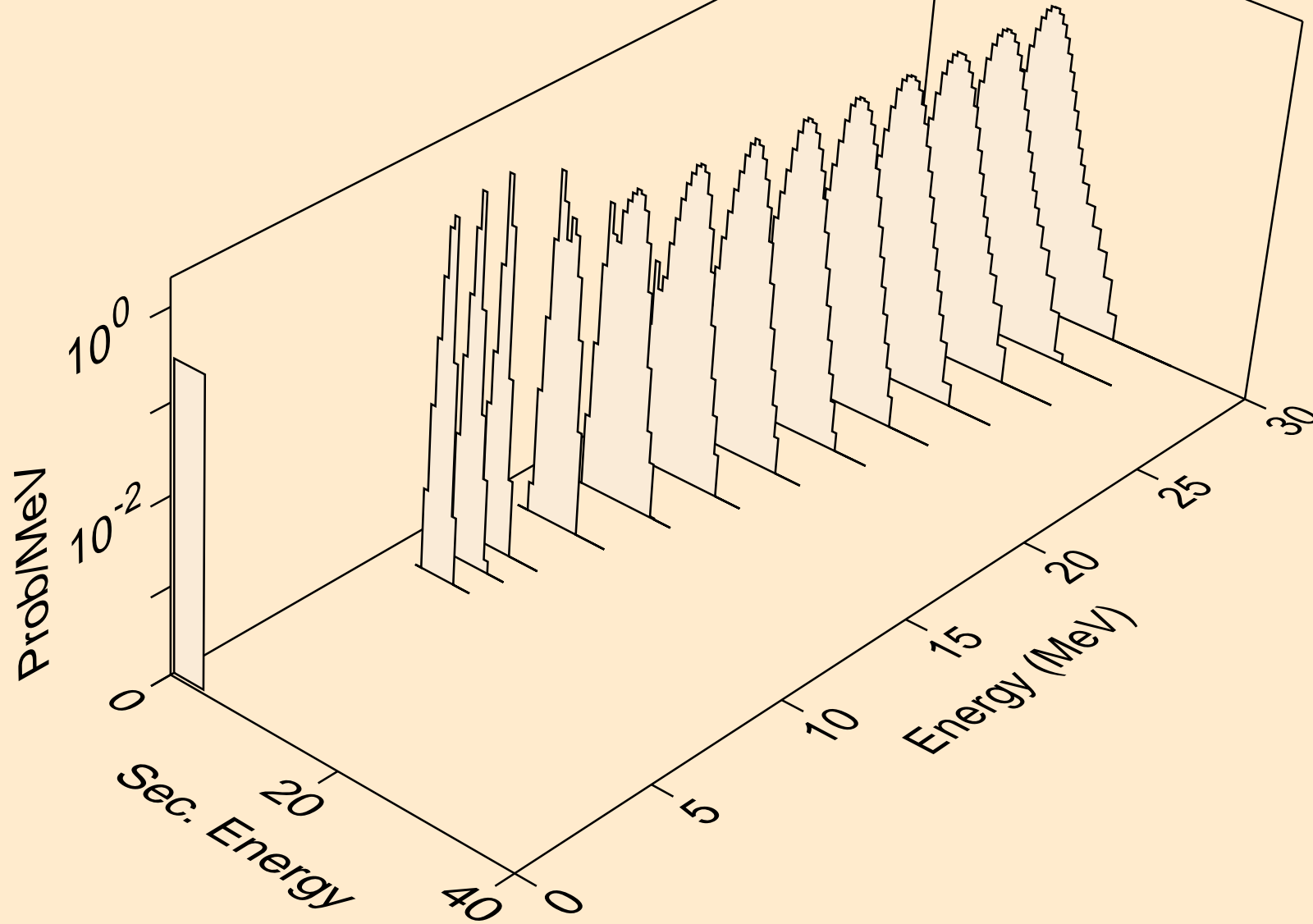
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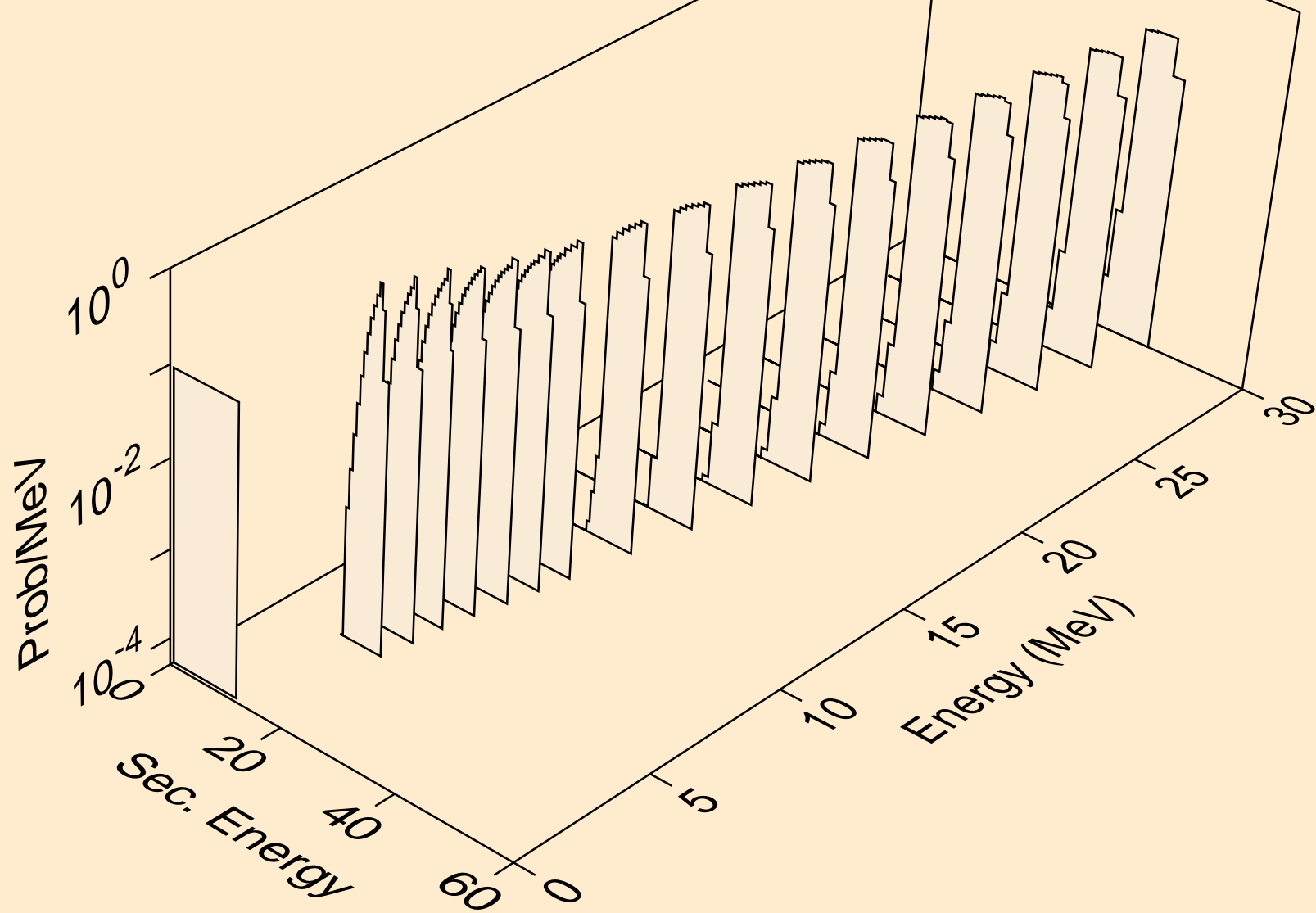
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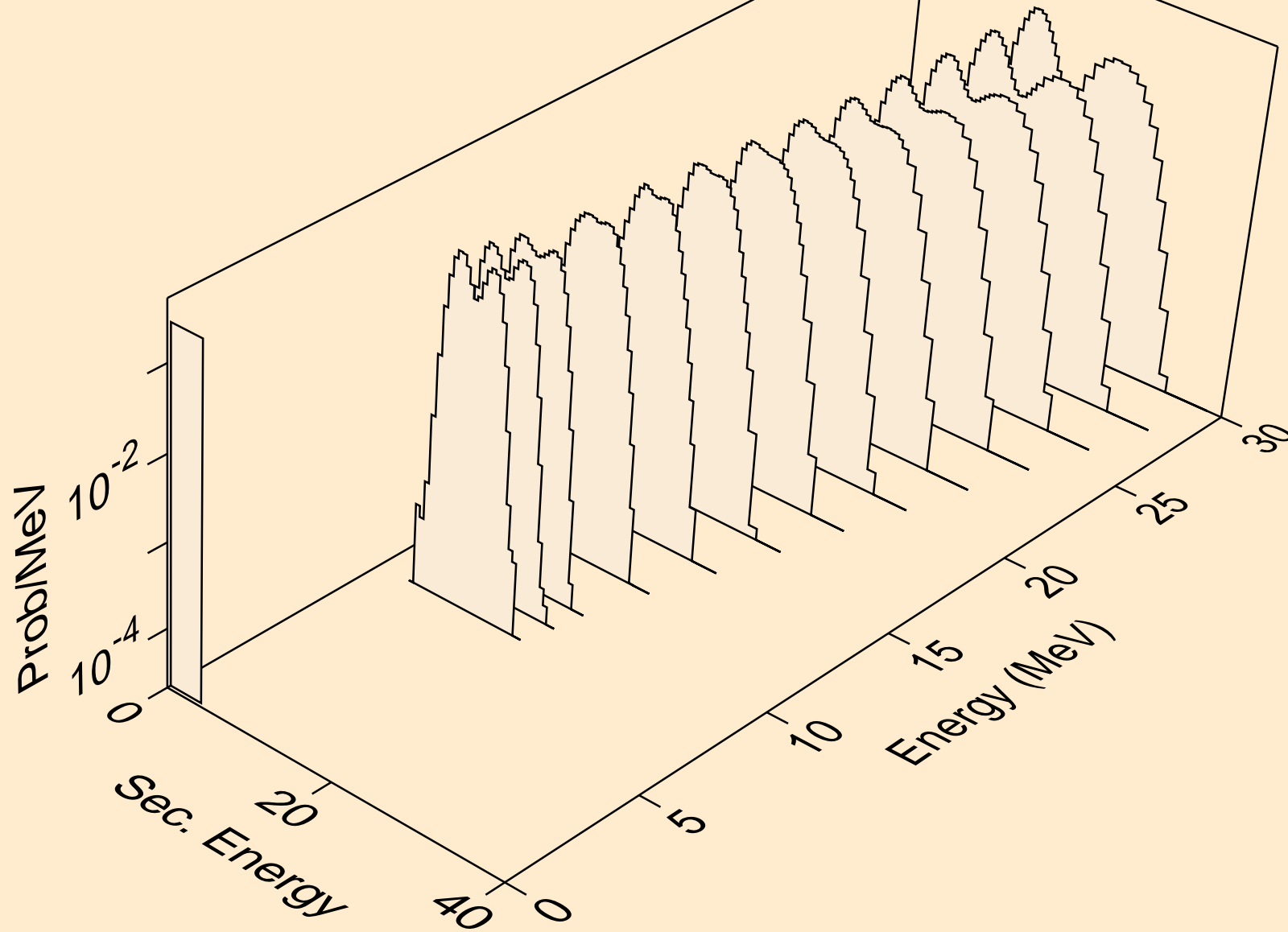
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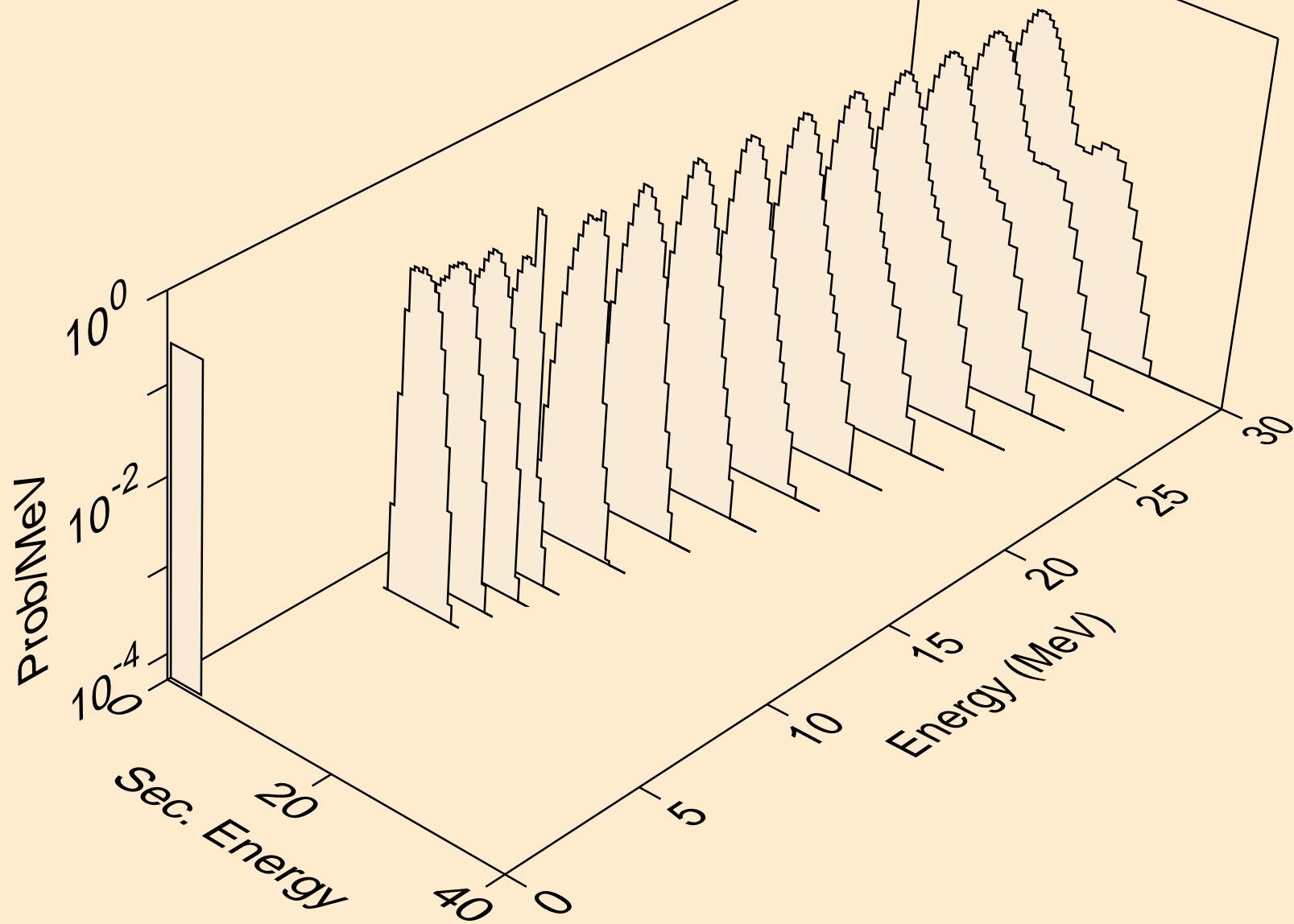
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alphas from (s,a)



CS139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)



CS139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



CS139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

