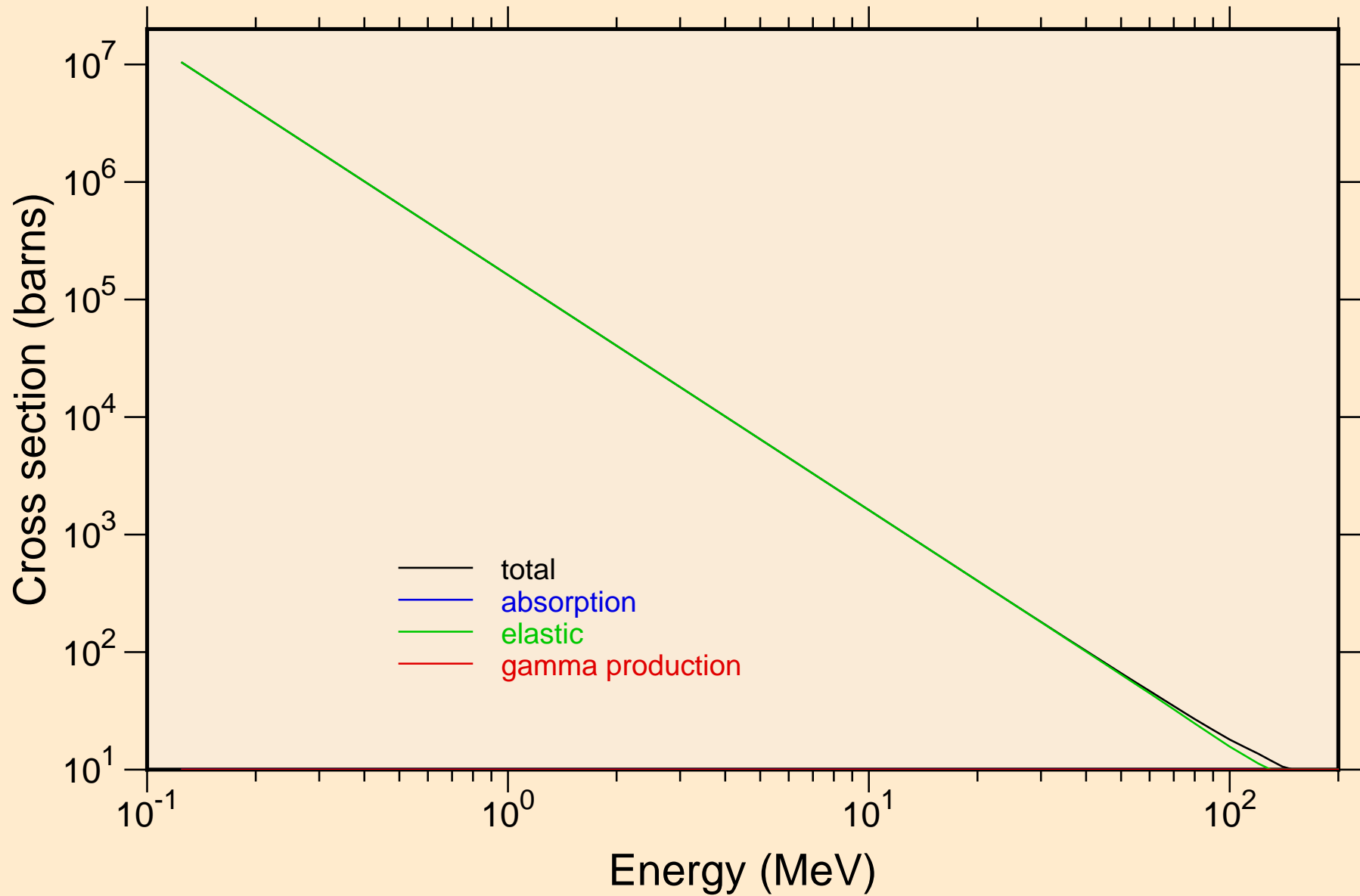
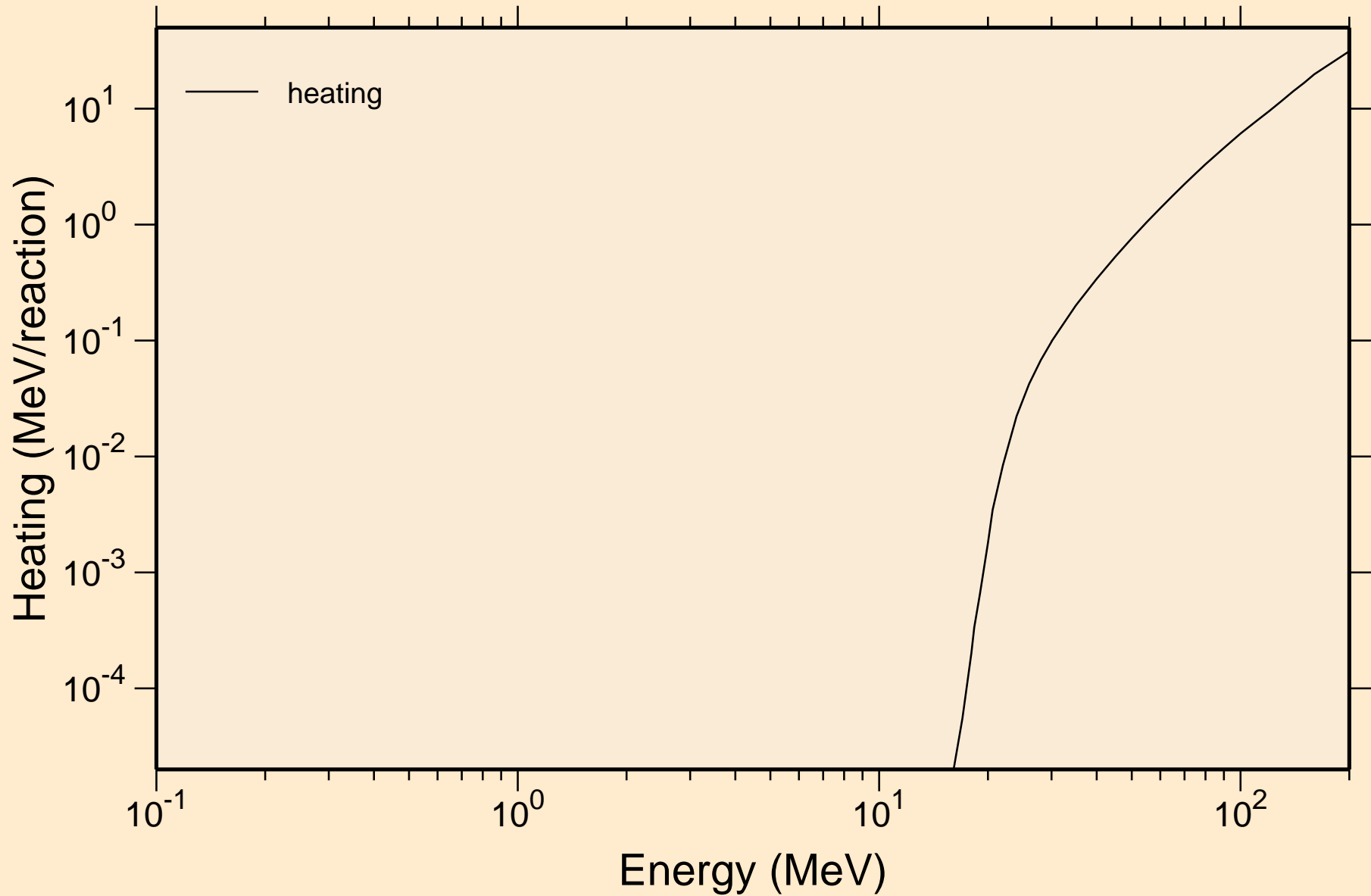


HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Principal cross sections



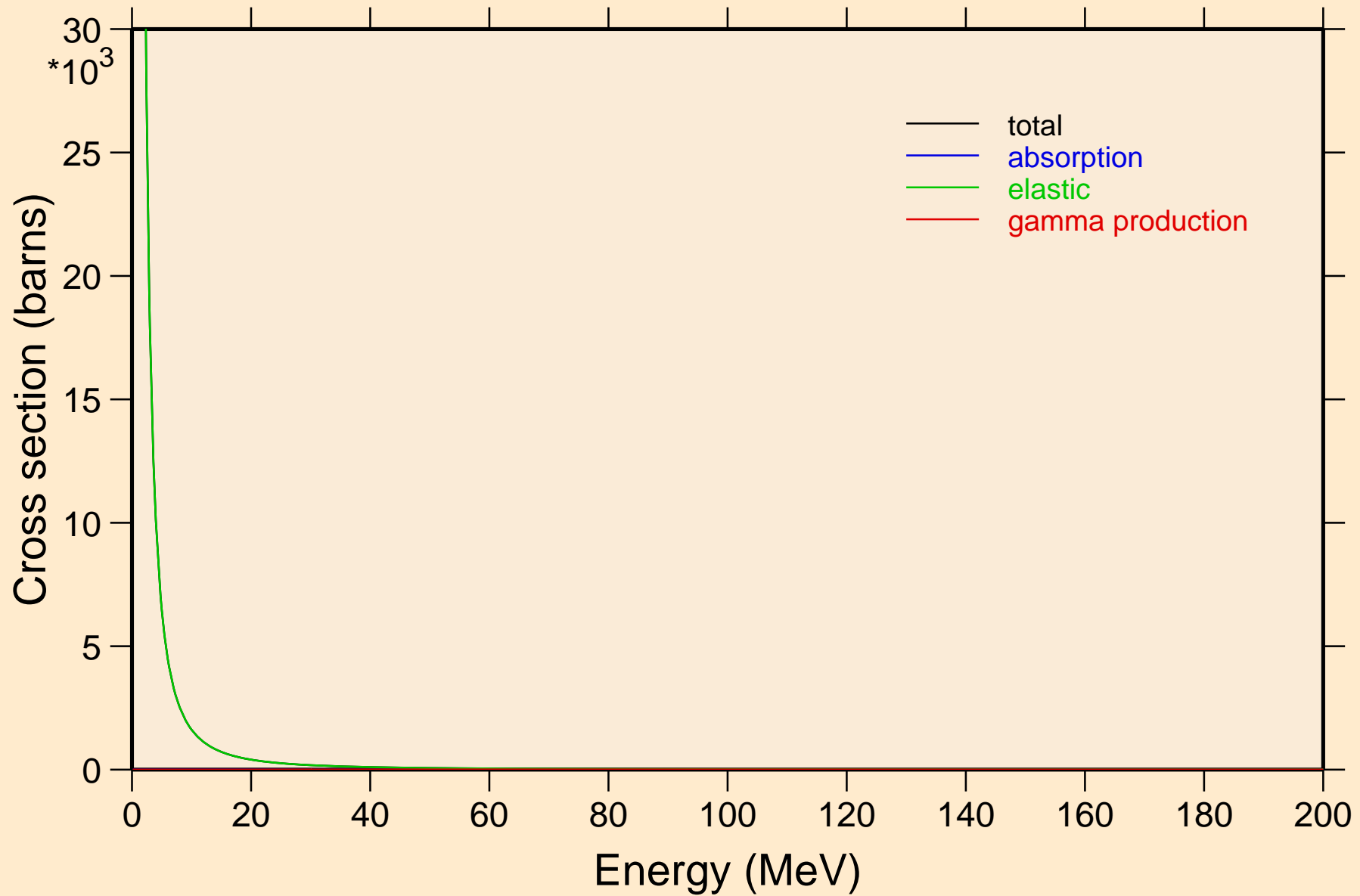
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Heating



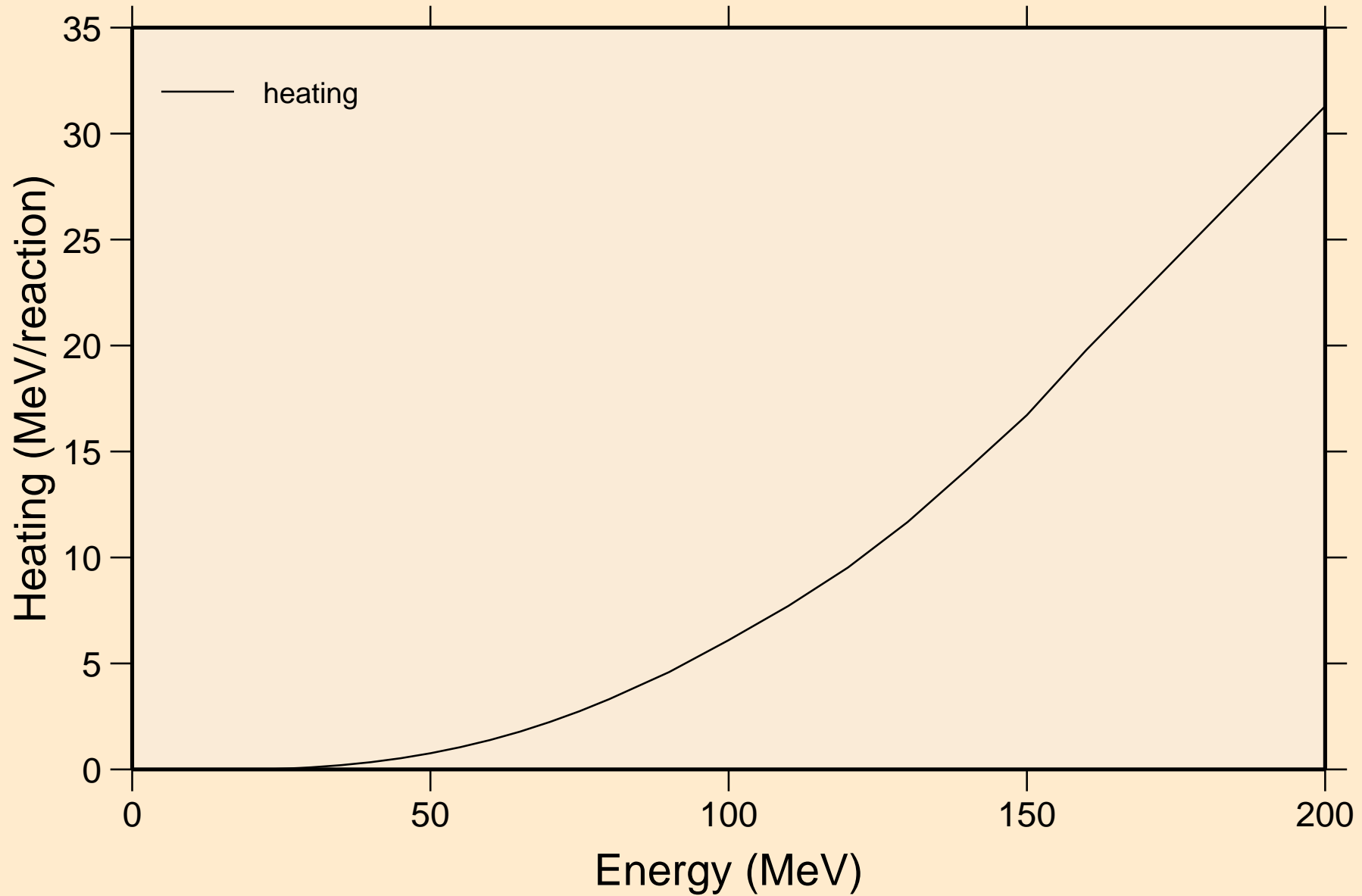
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## Principal cross sections

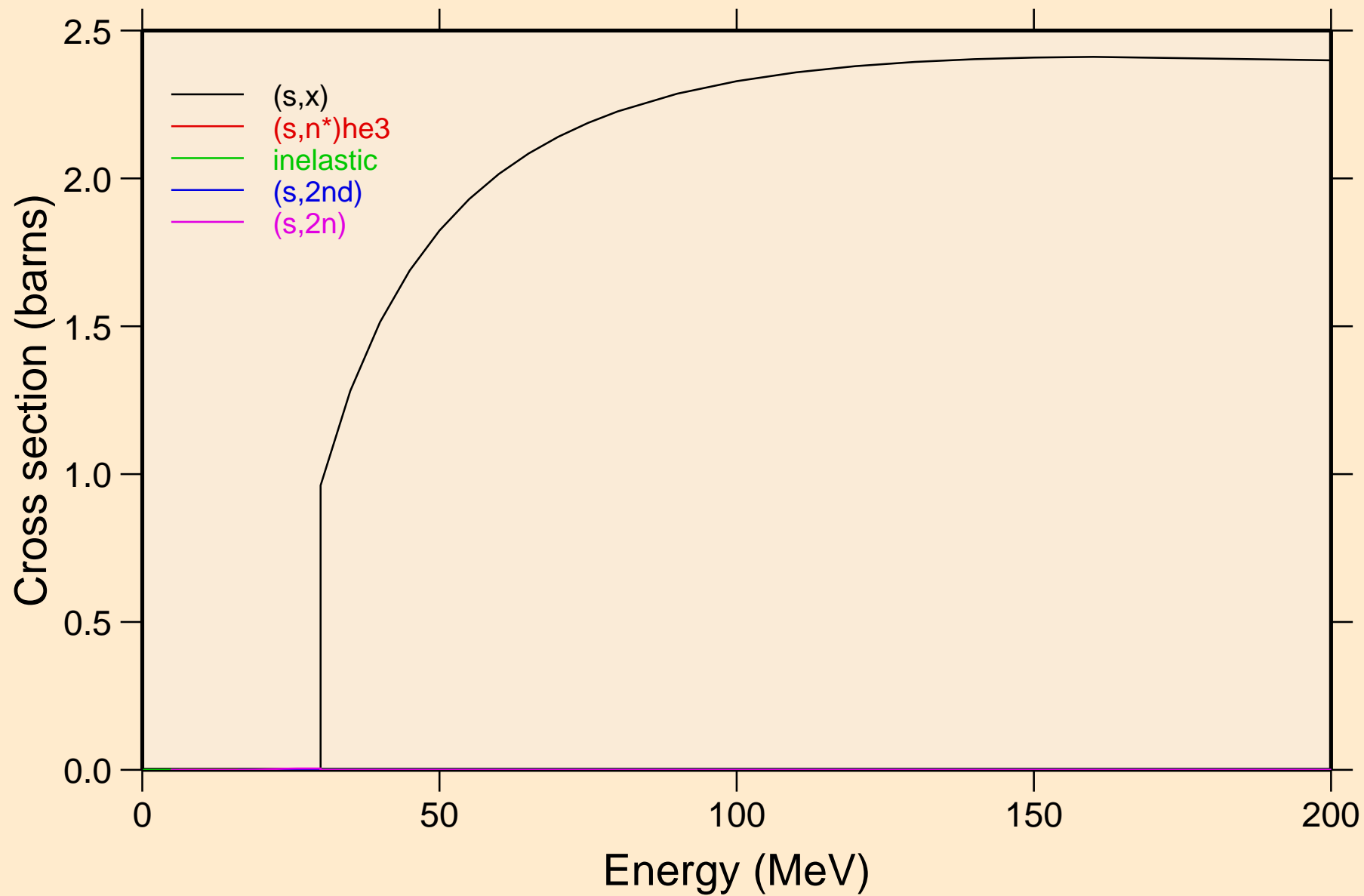


HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K

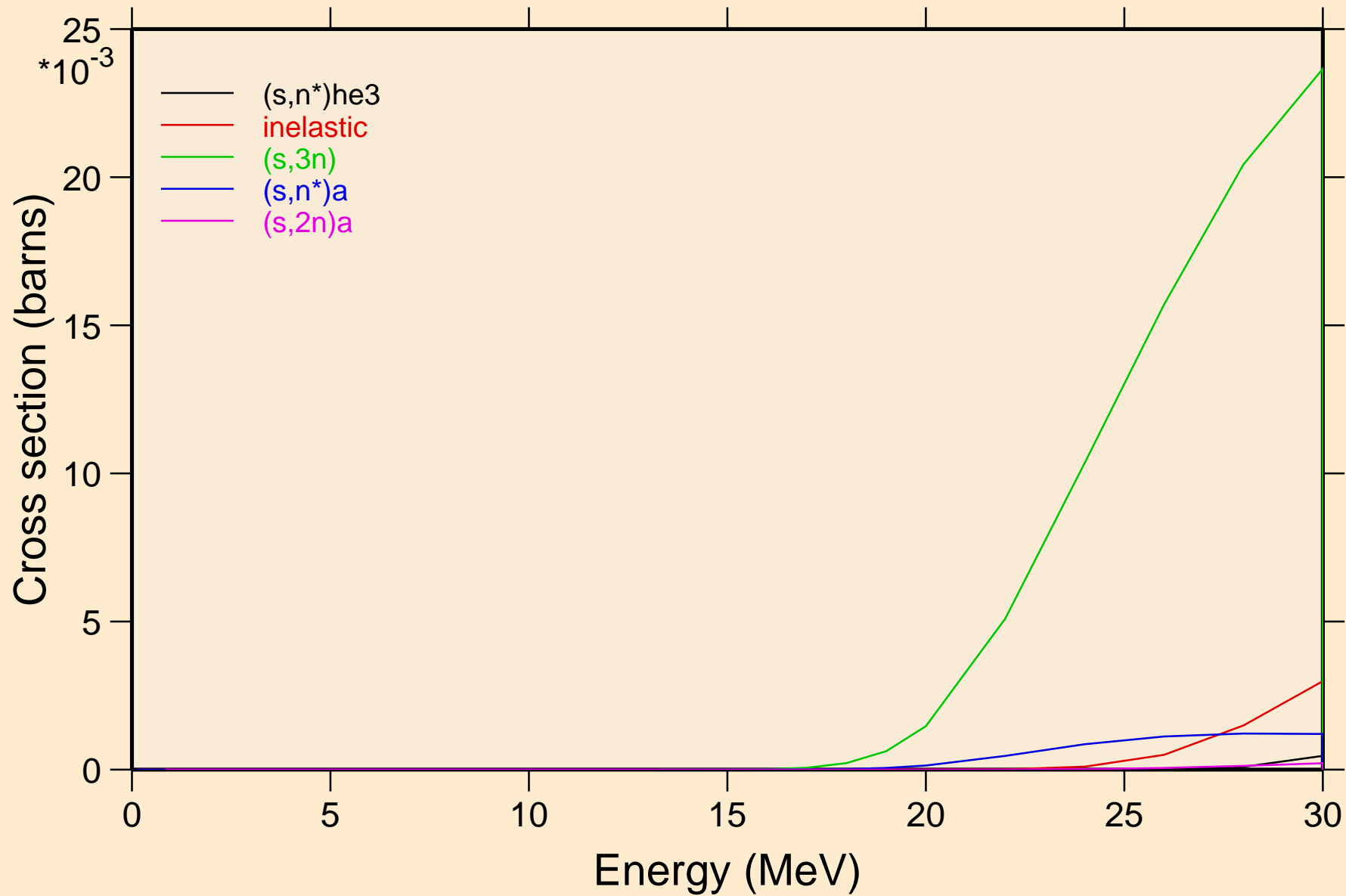
Heating



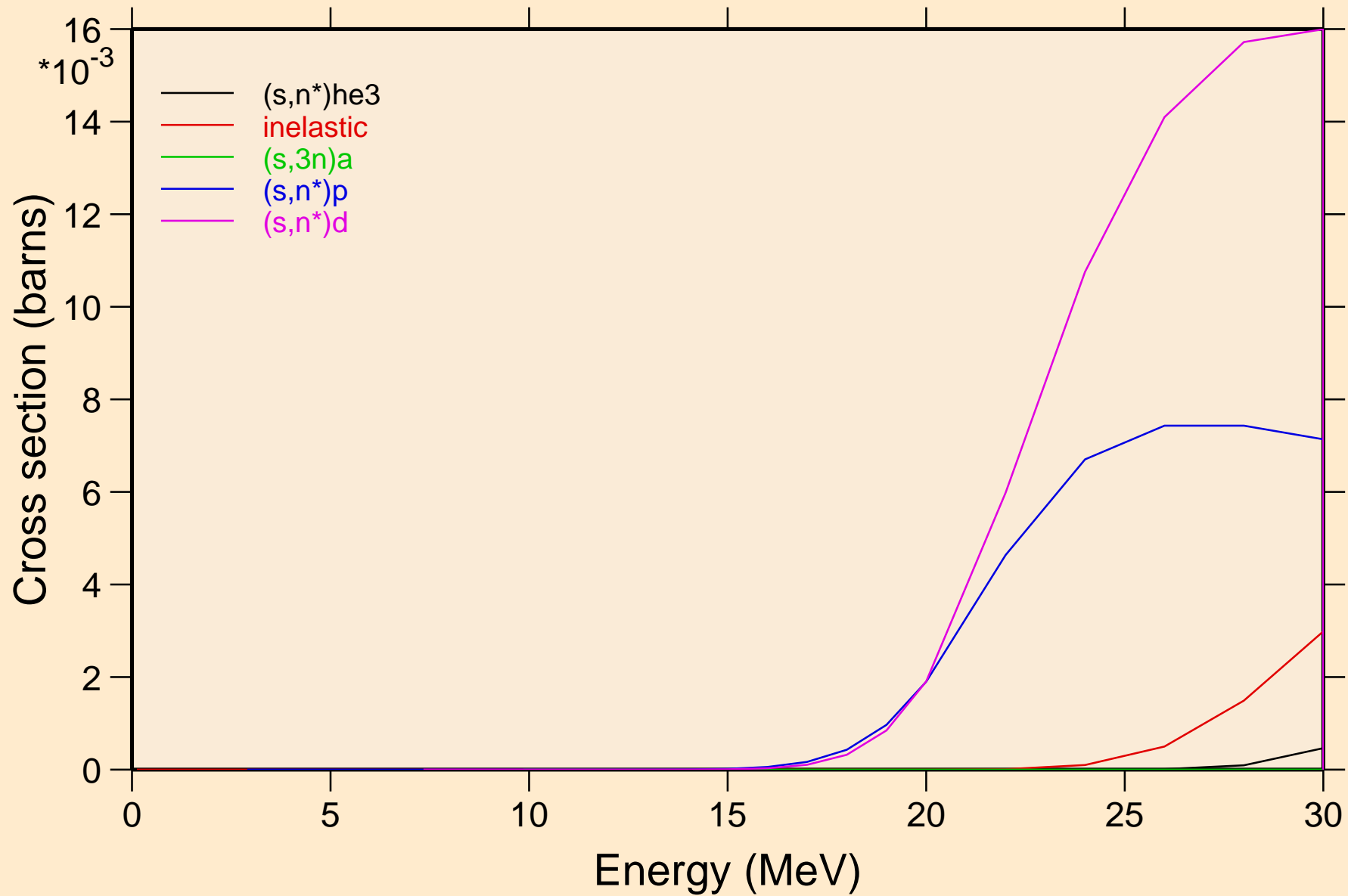
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Threshold reactions



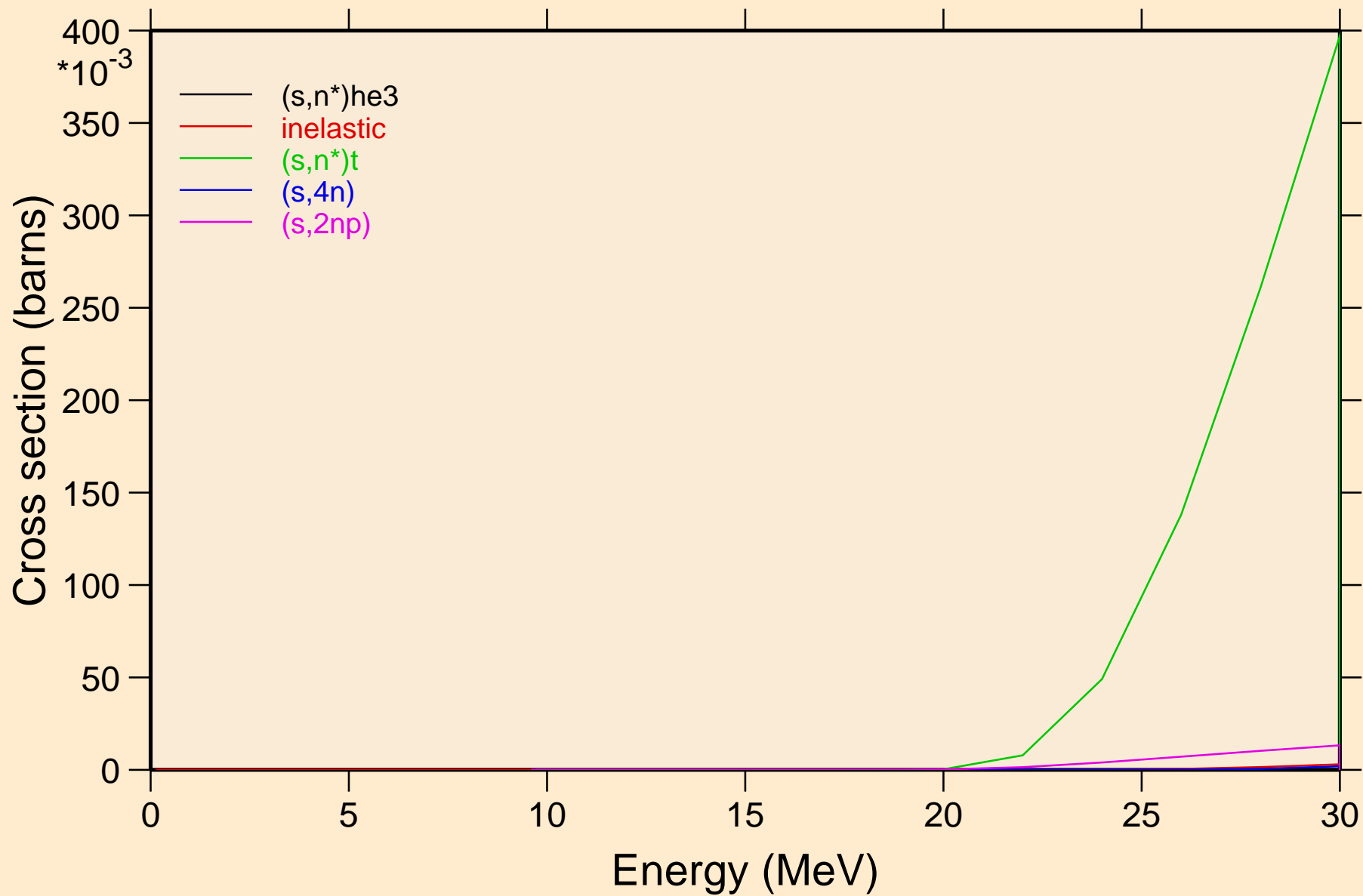
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Threshold reactions



HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

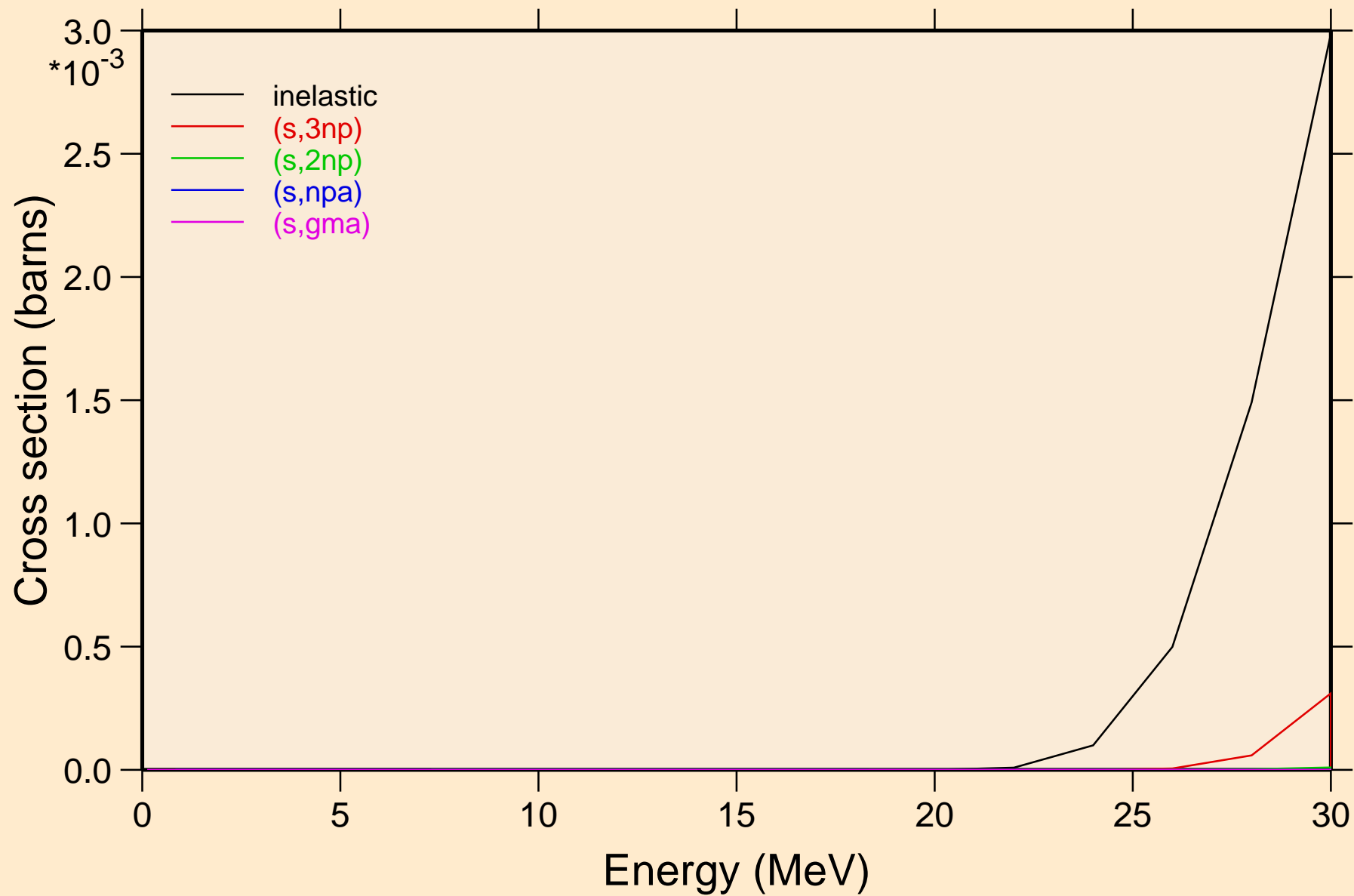


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Threshold reactions

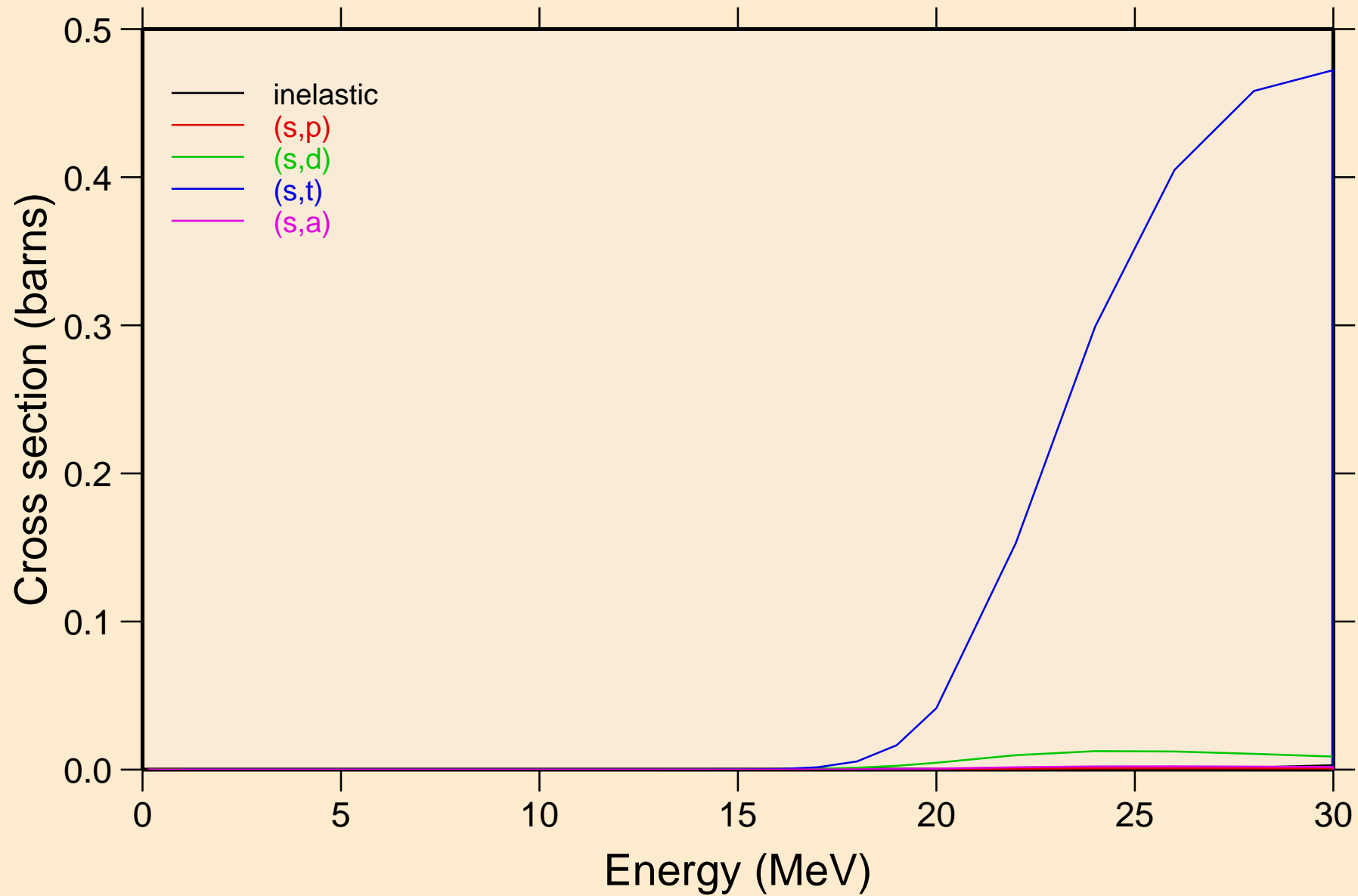




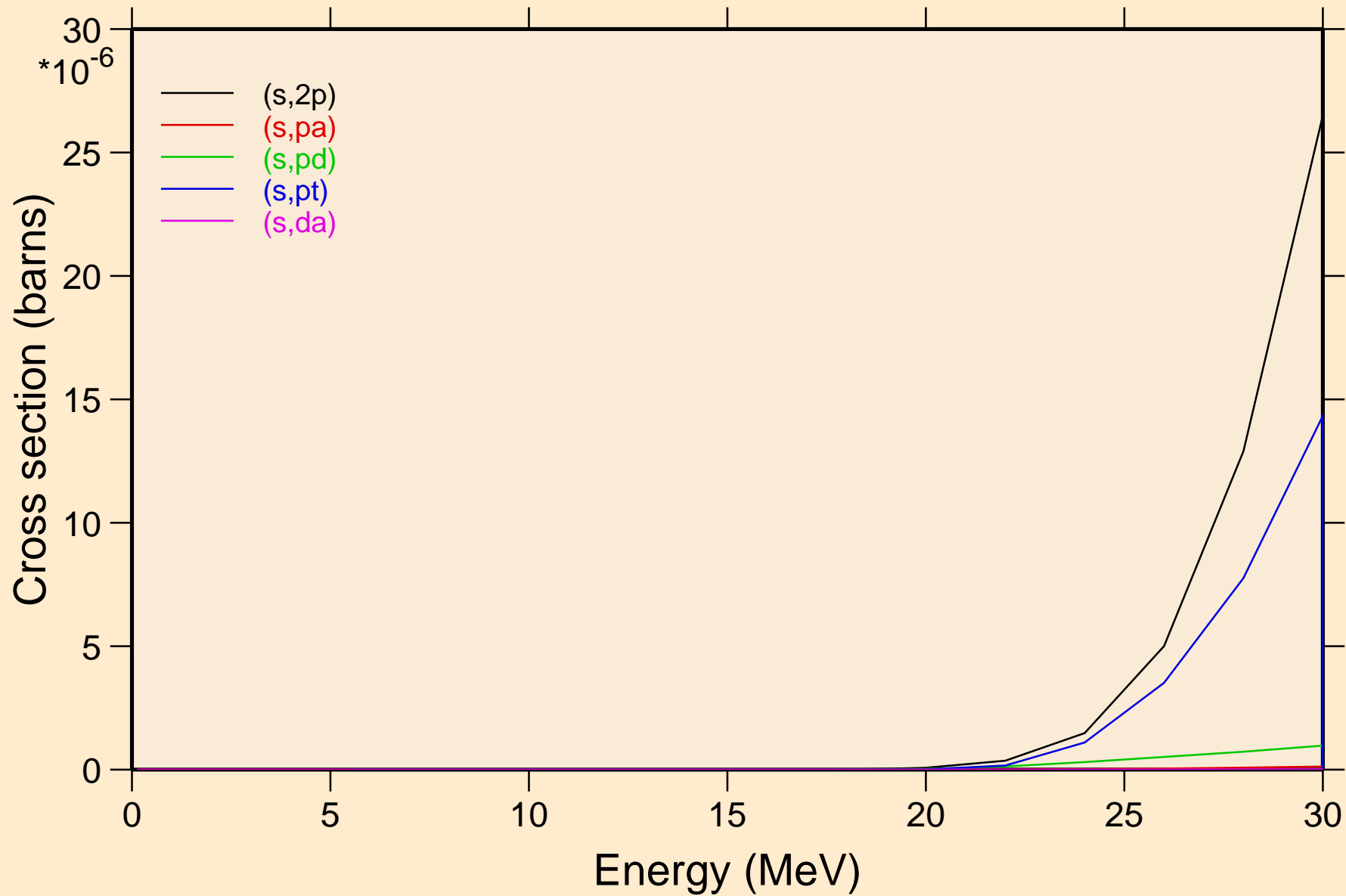
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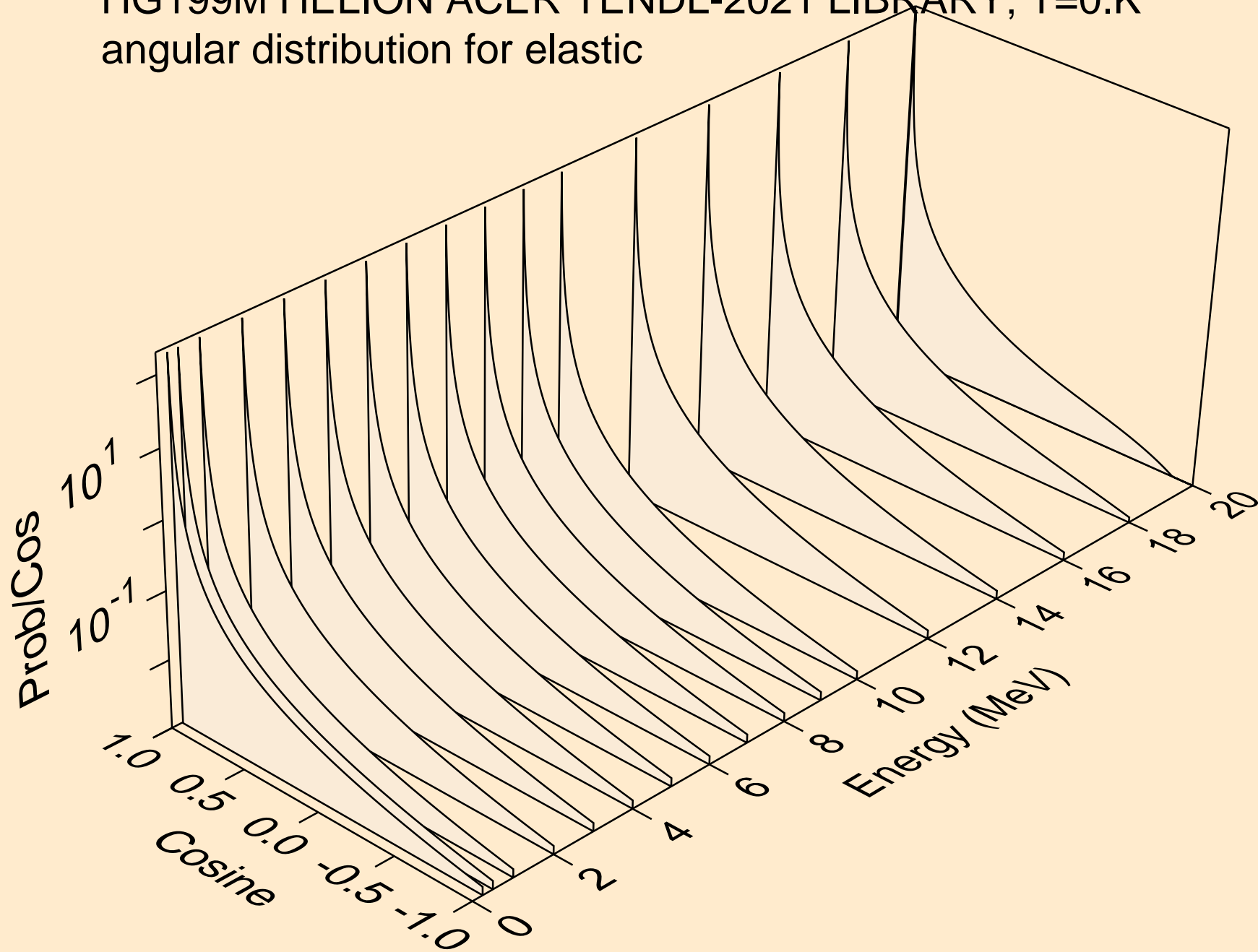
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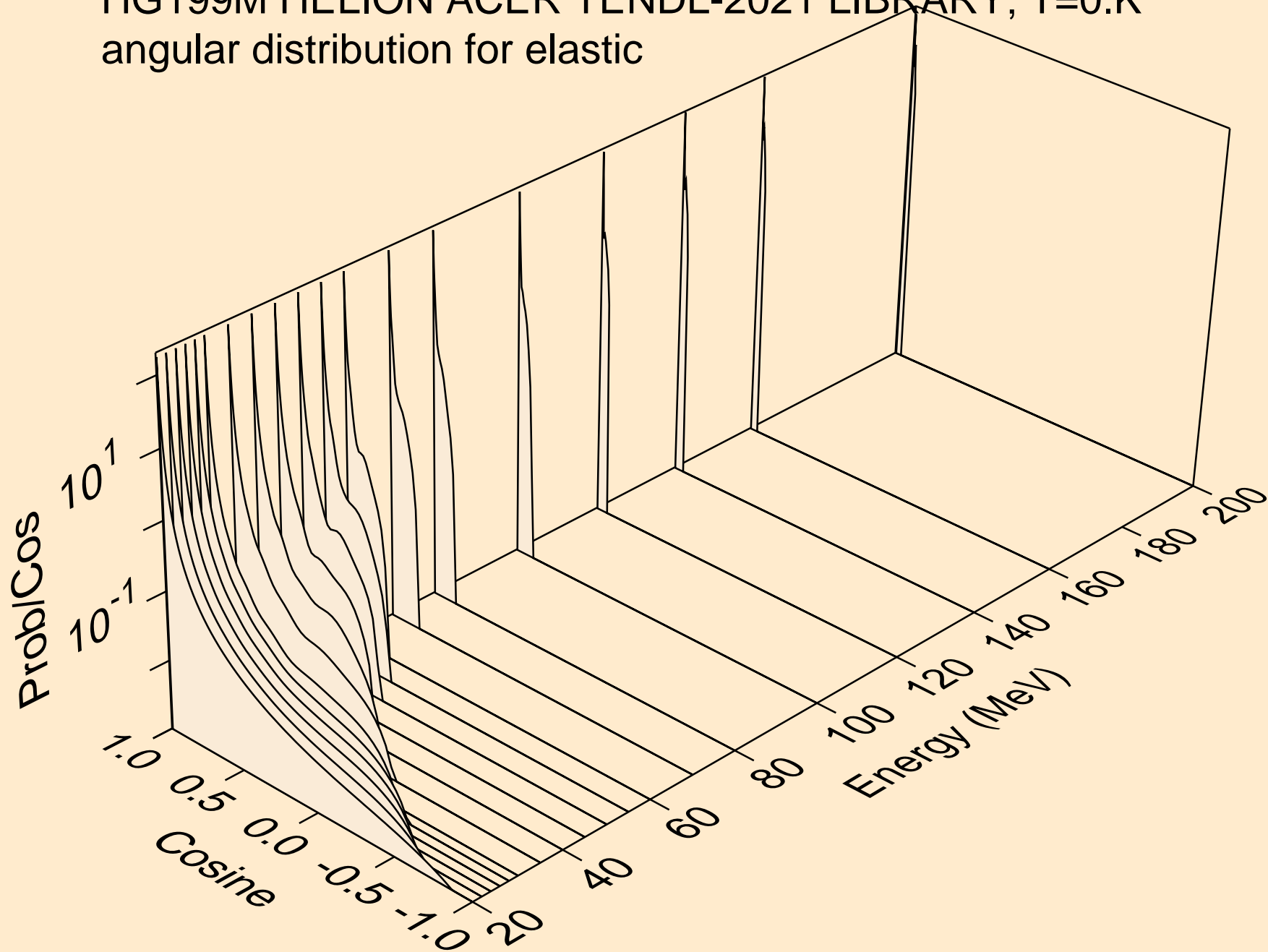
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Threshold reactions



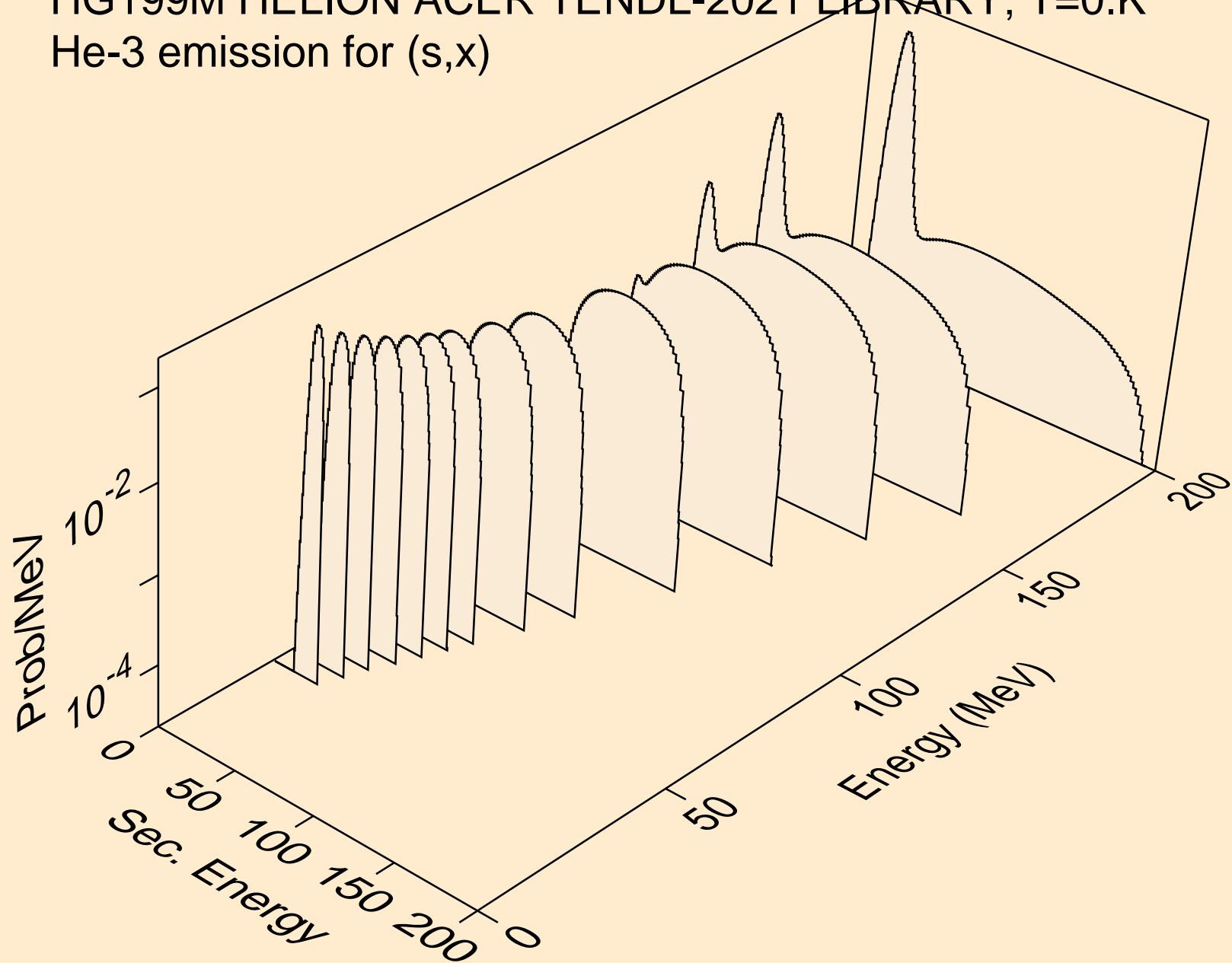
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angular distribution for elastic



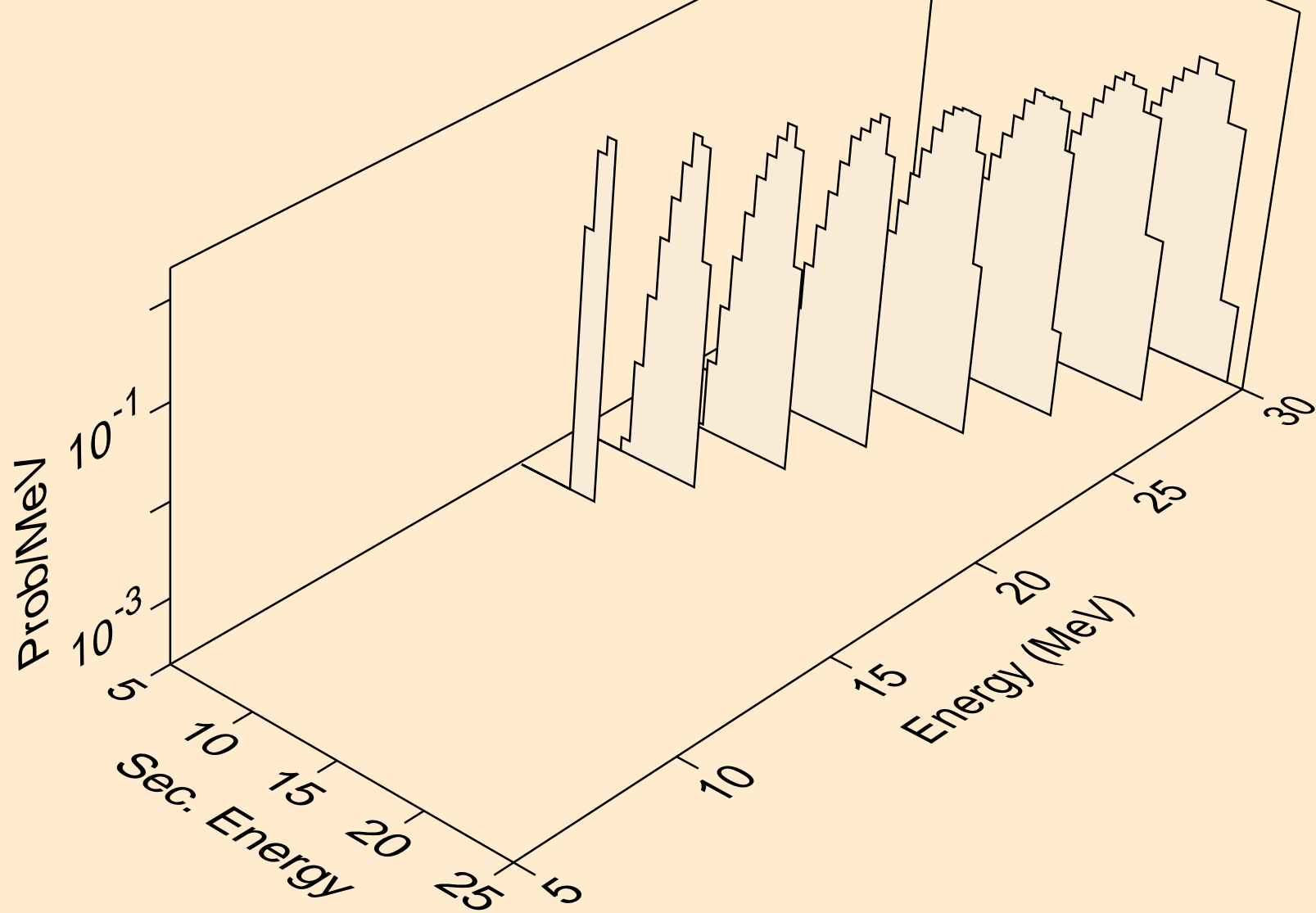
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angular distribution for elastic



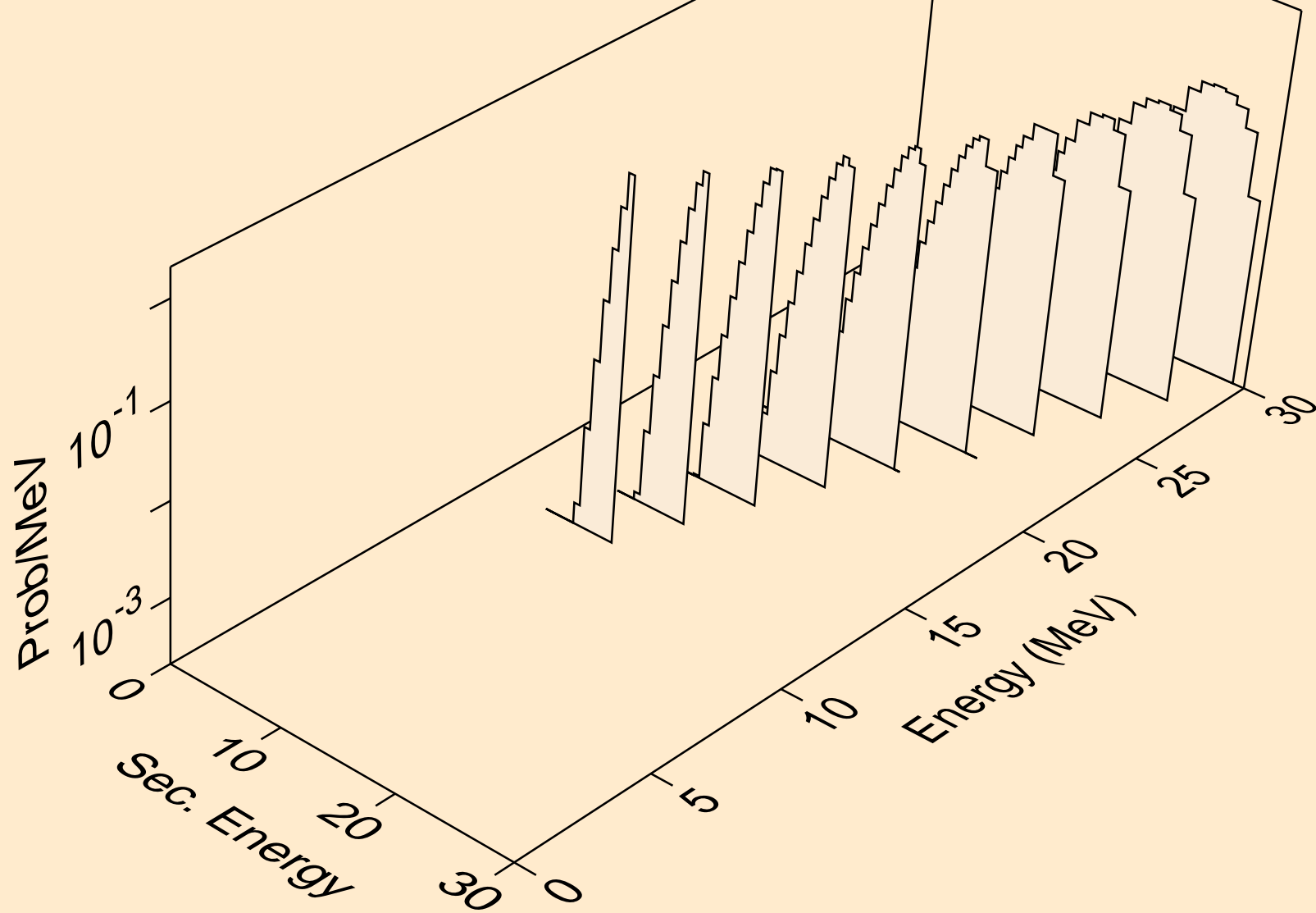
HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,x)



HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

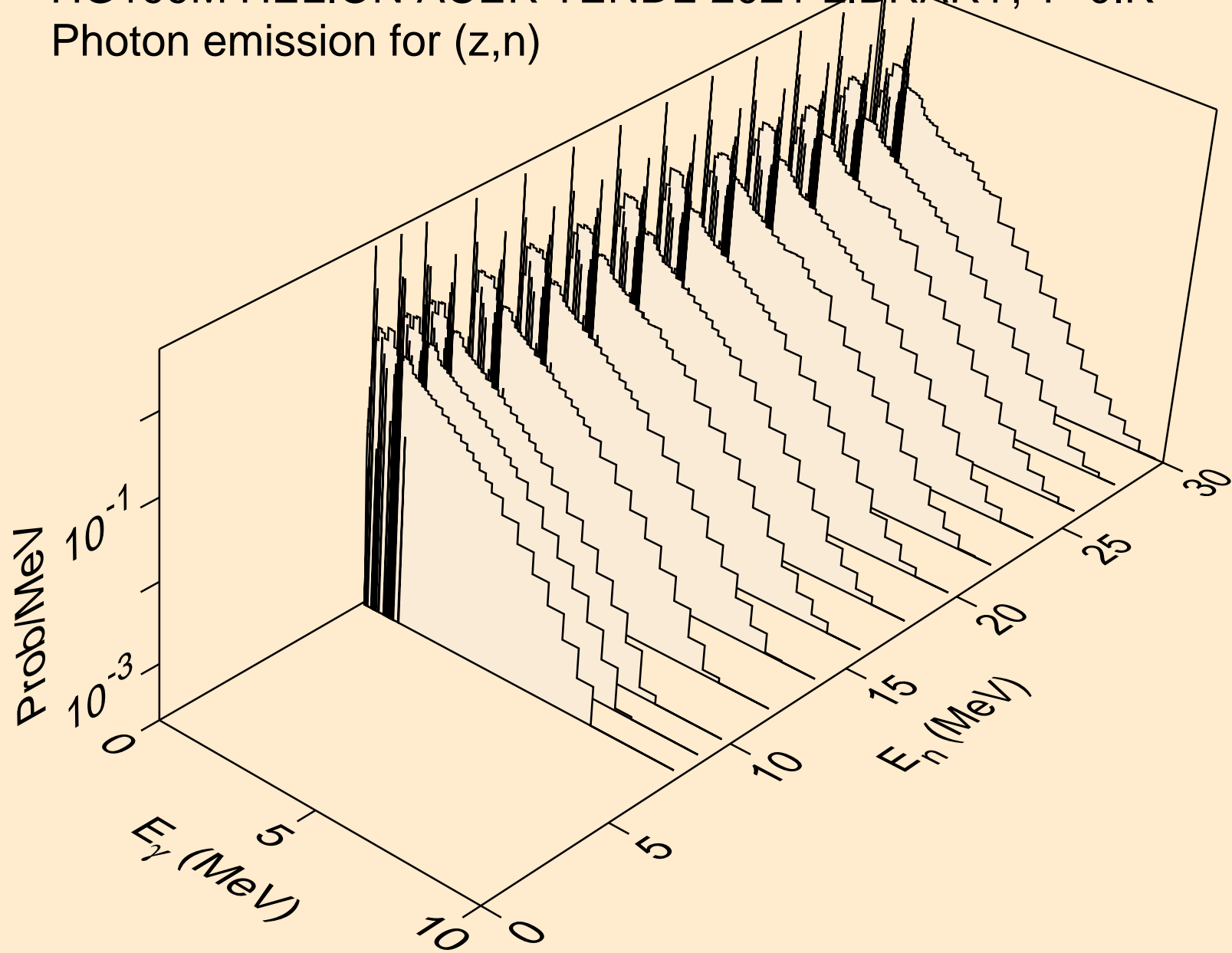


HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for inelastic

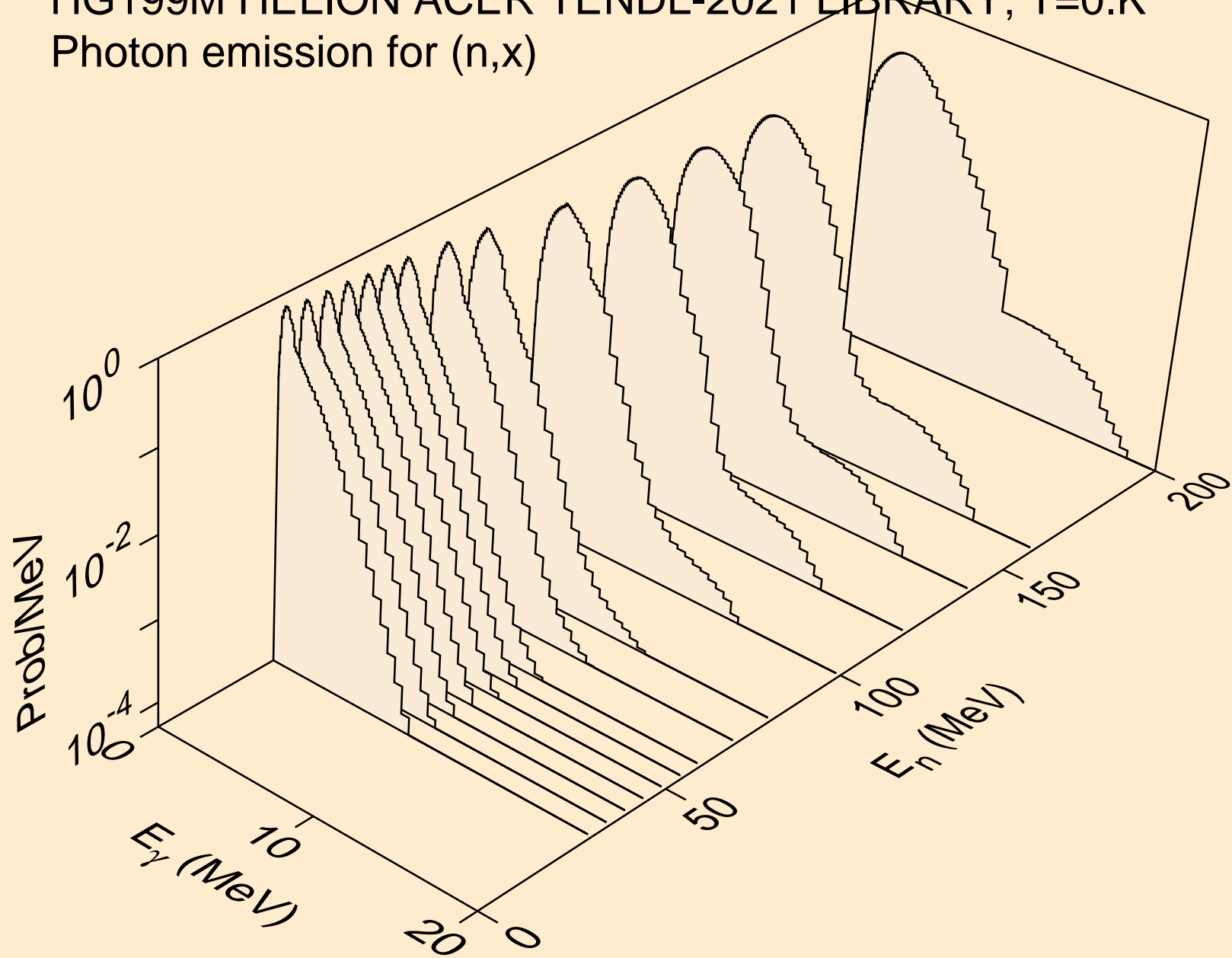




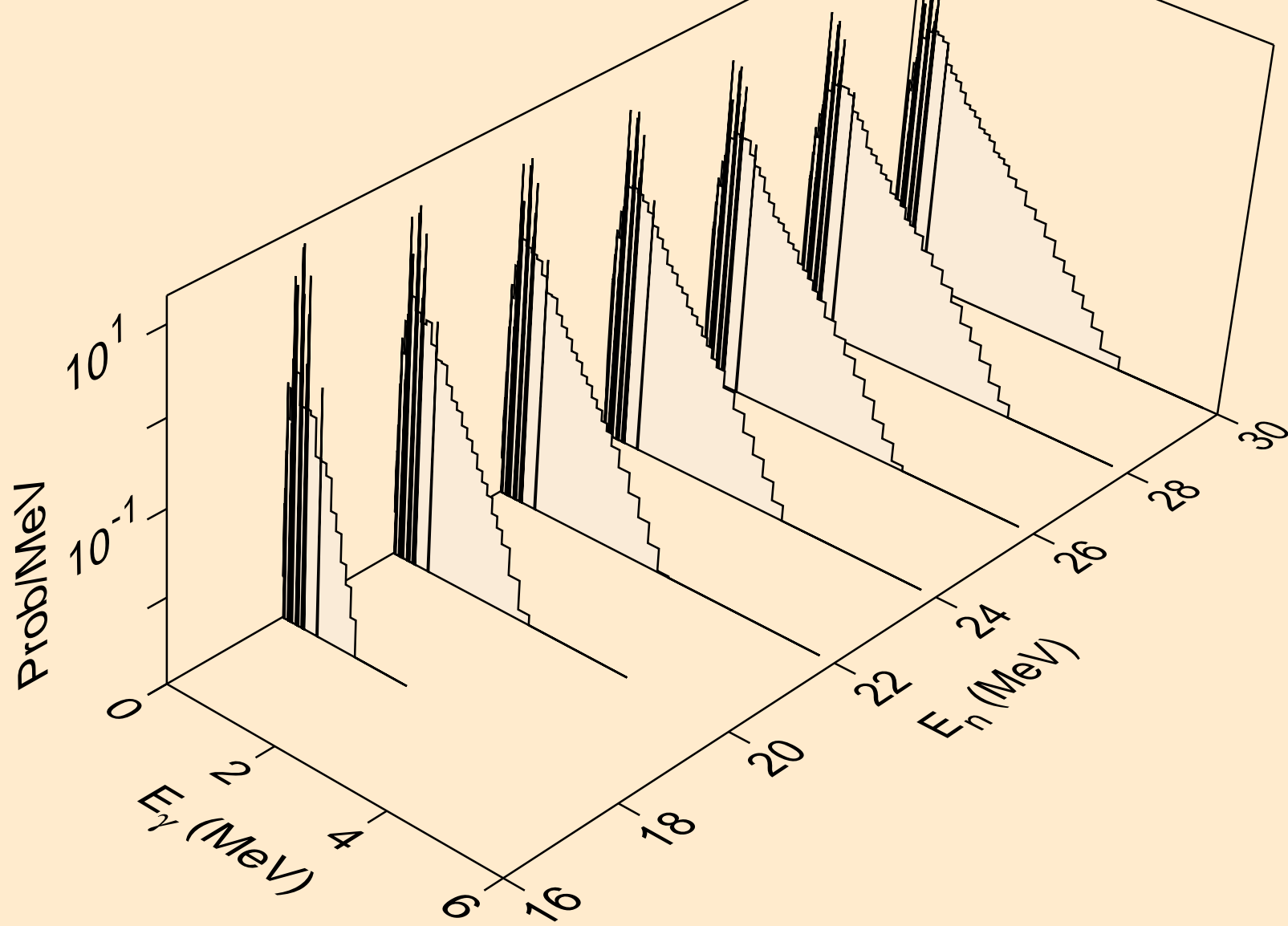
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Photon emission for (z,n)



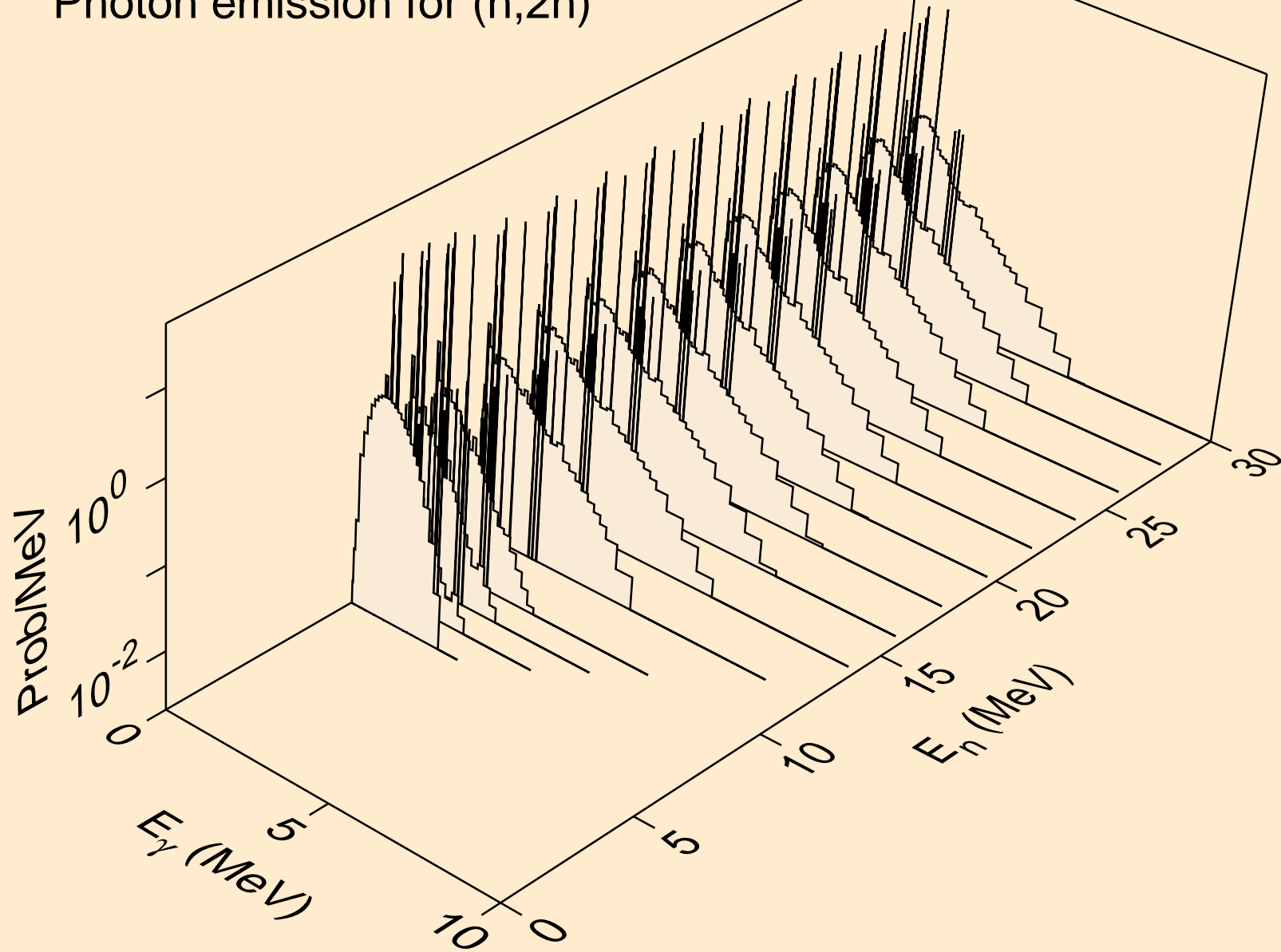
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Photon emission for (n,x)



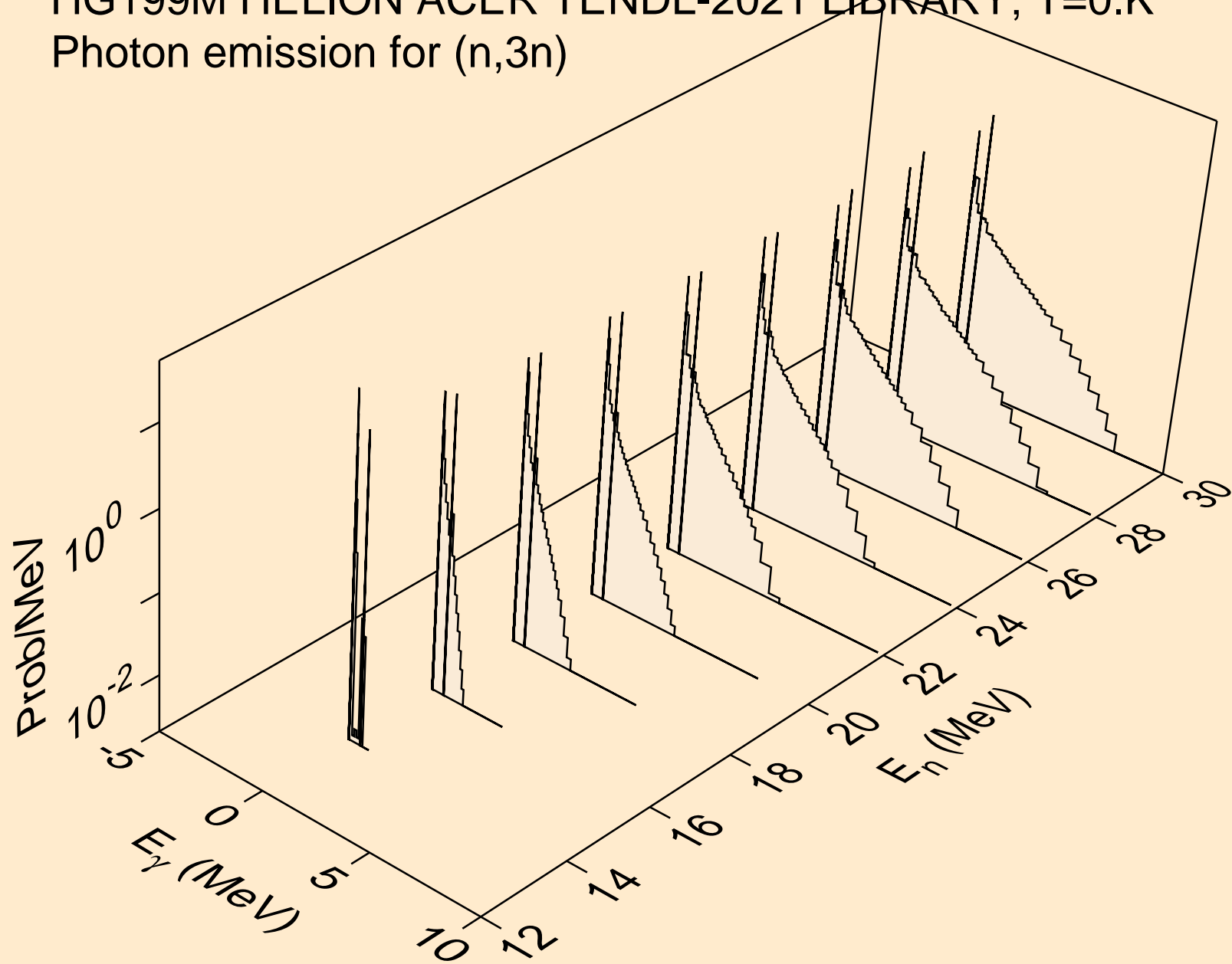
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Photon emission for (n,2nd)



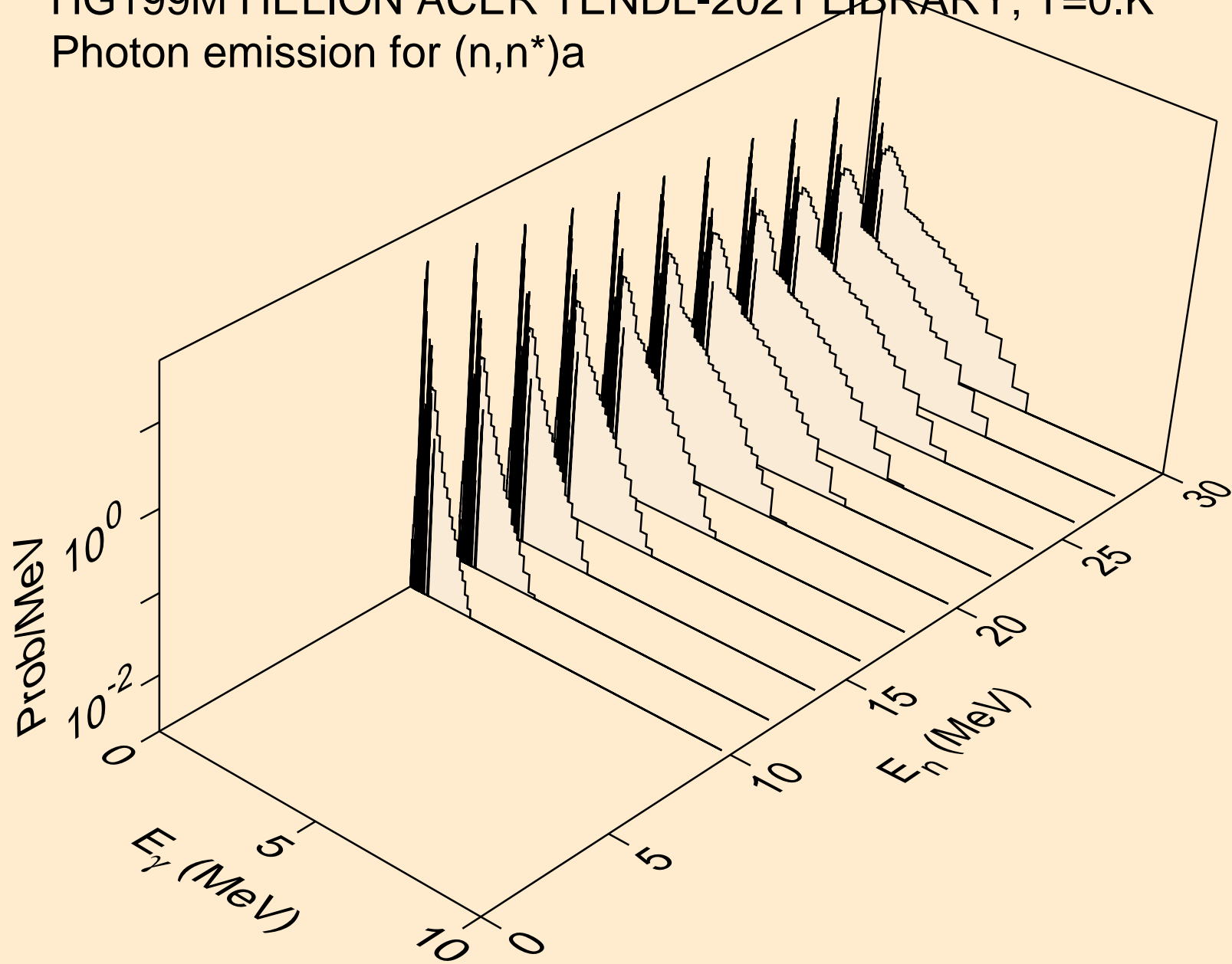
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Photon emission for (n,2n)



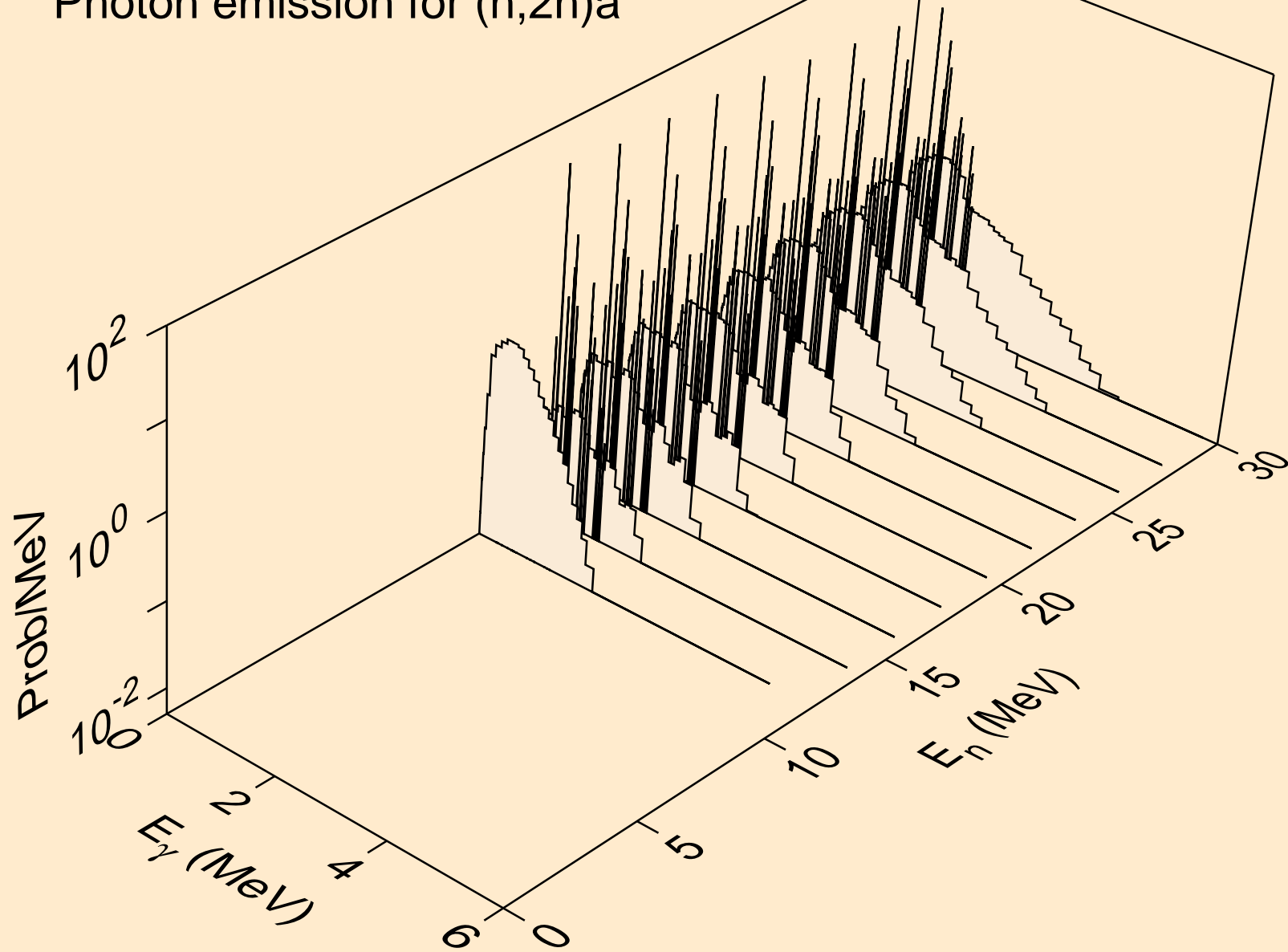
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Photon emission for (n,3n)



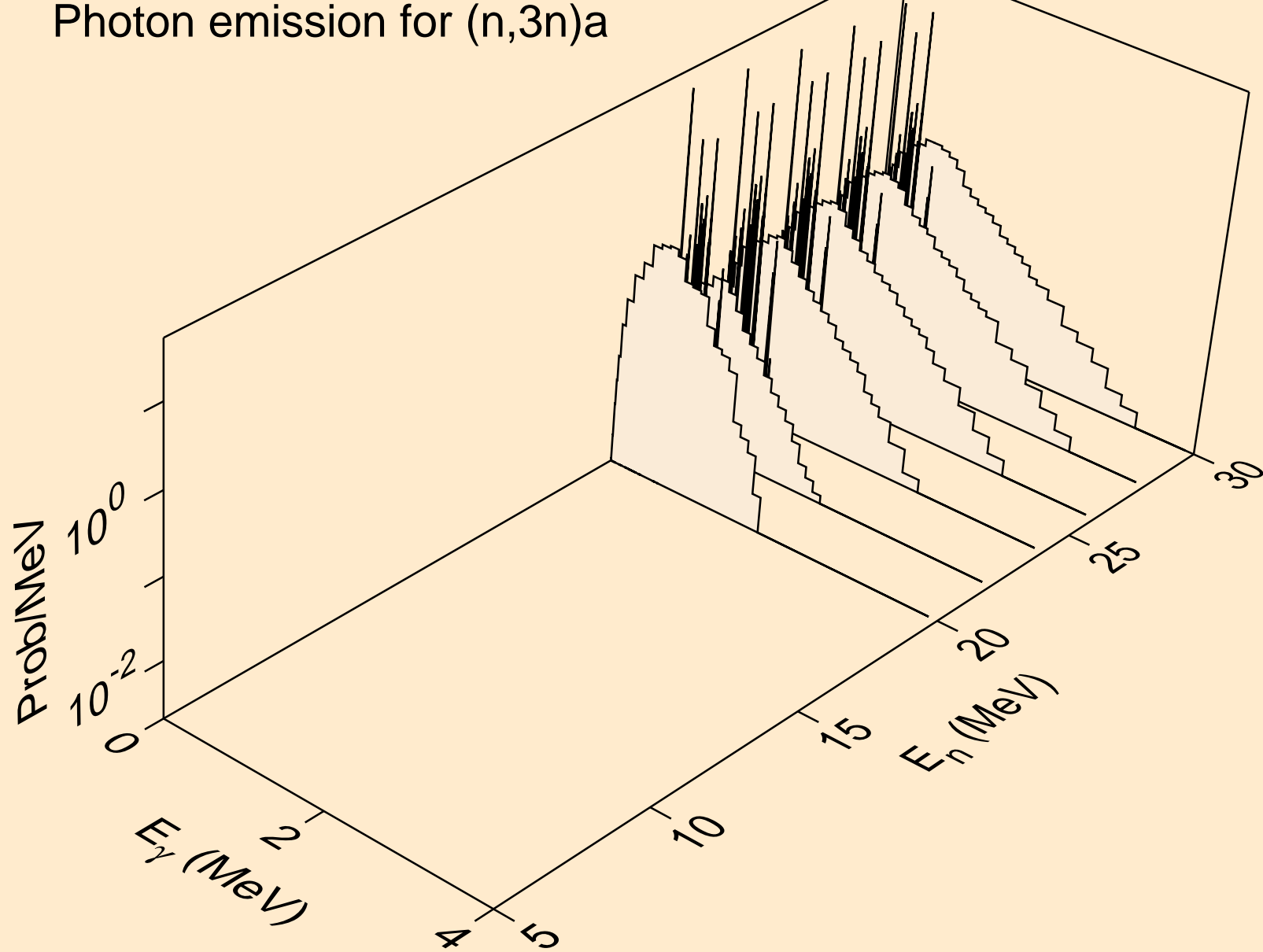
HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)a

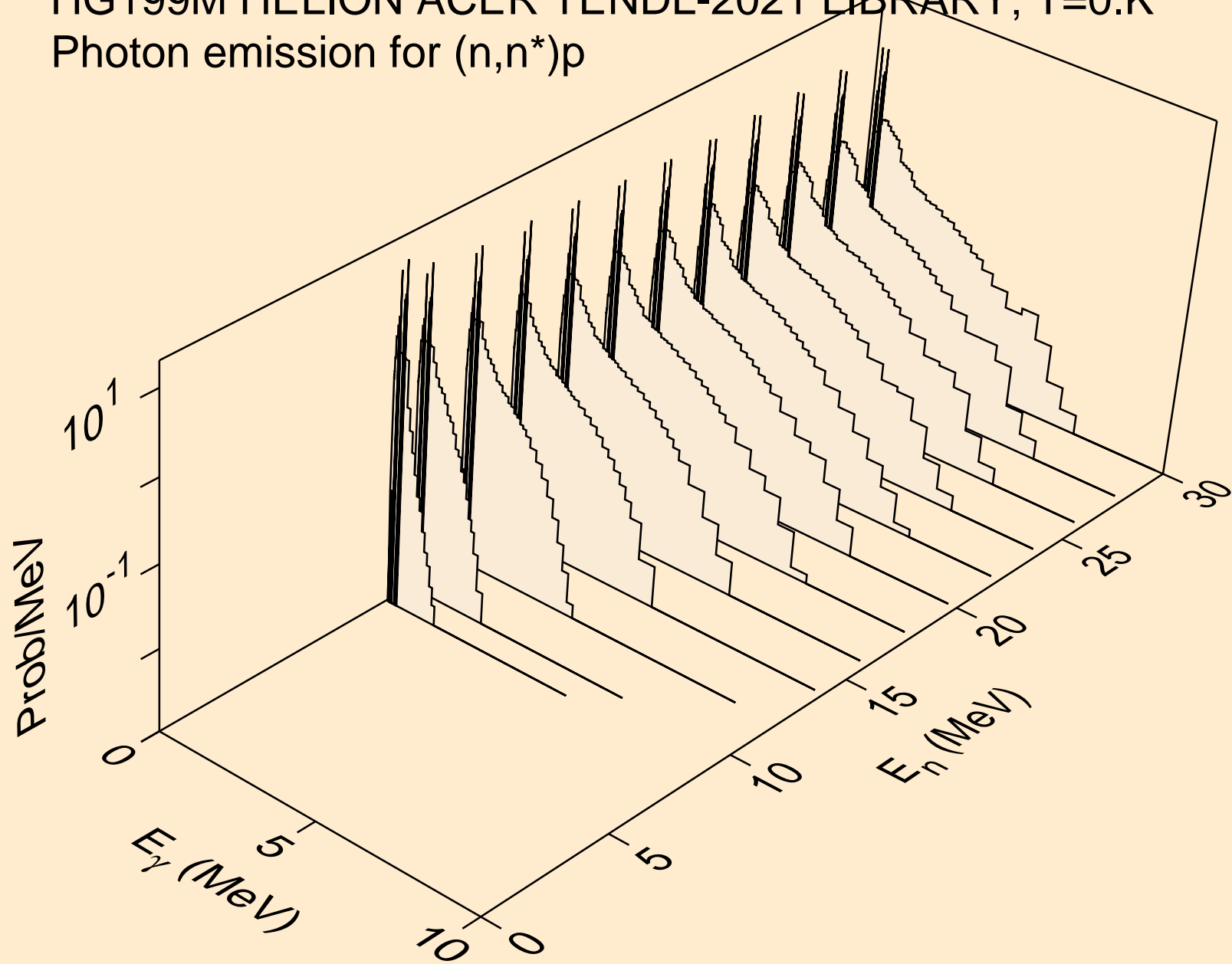


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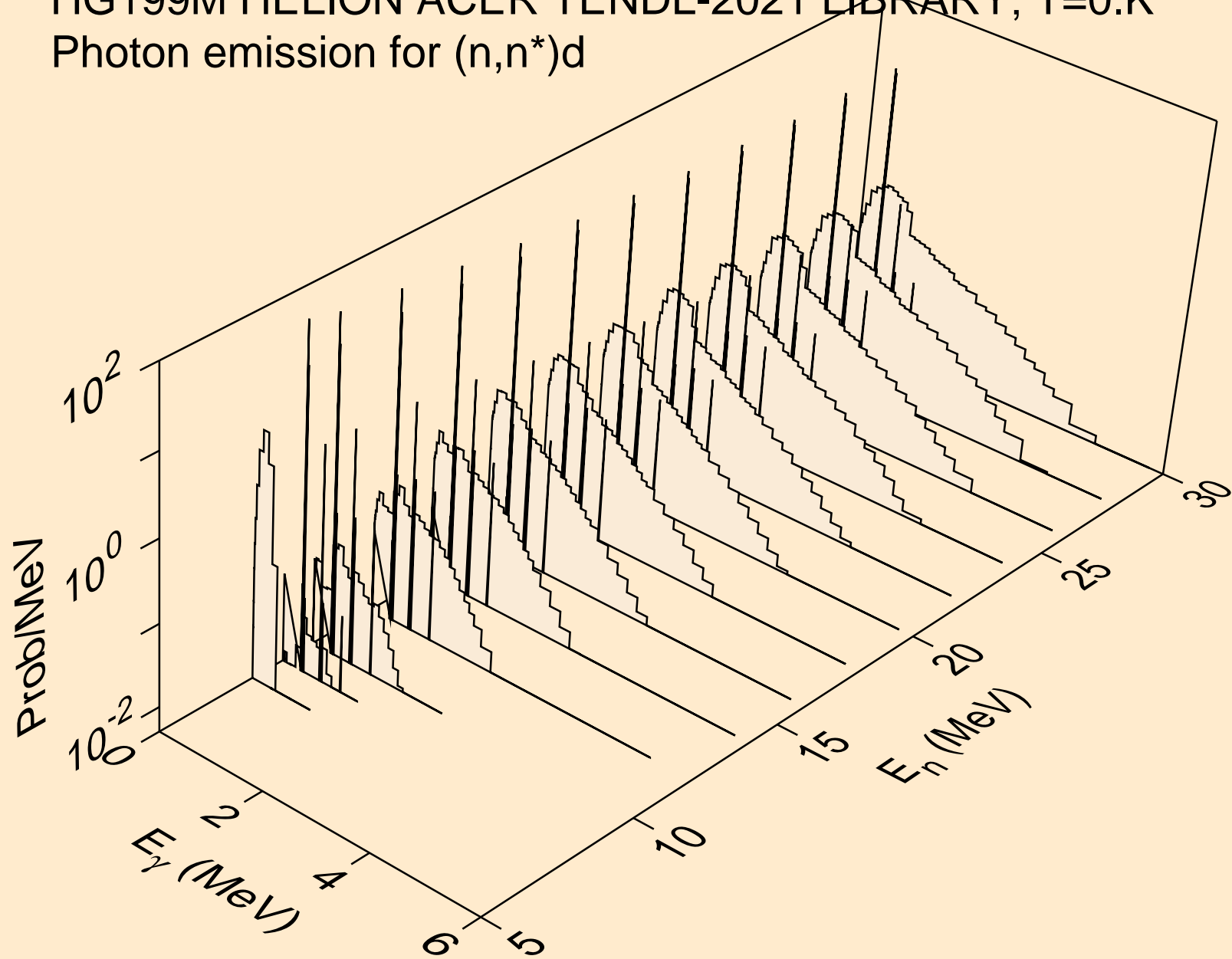




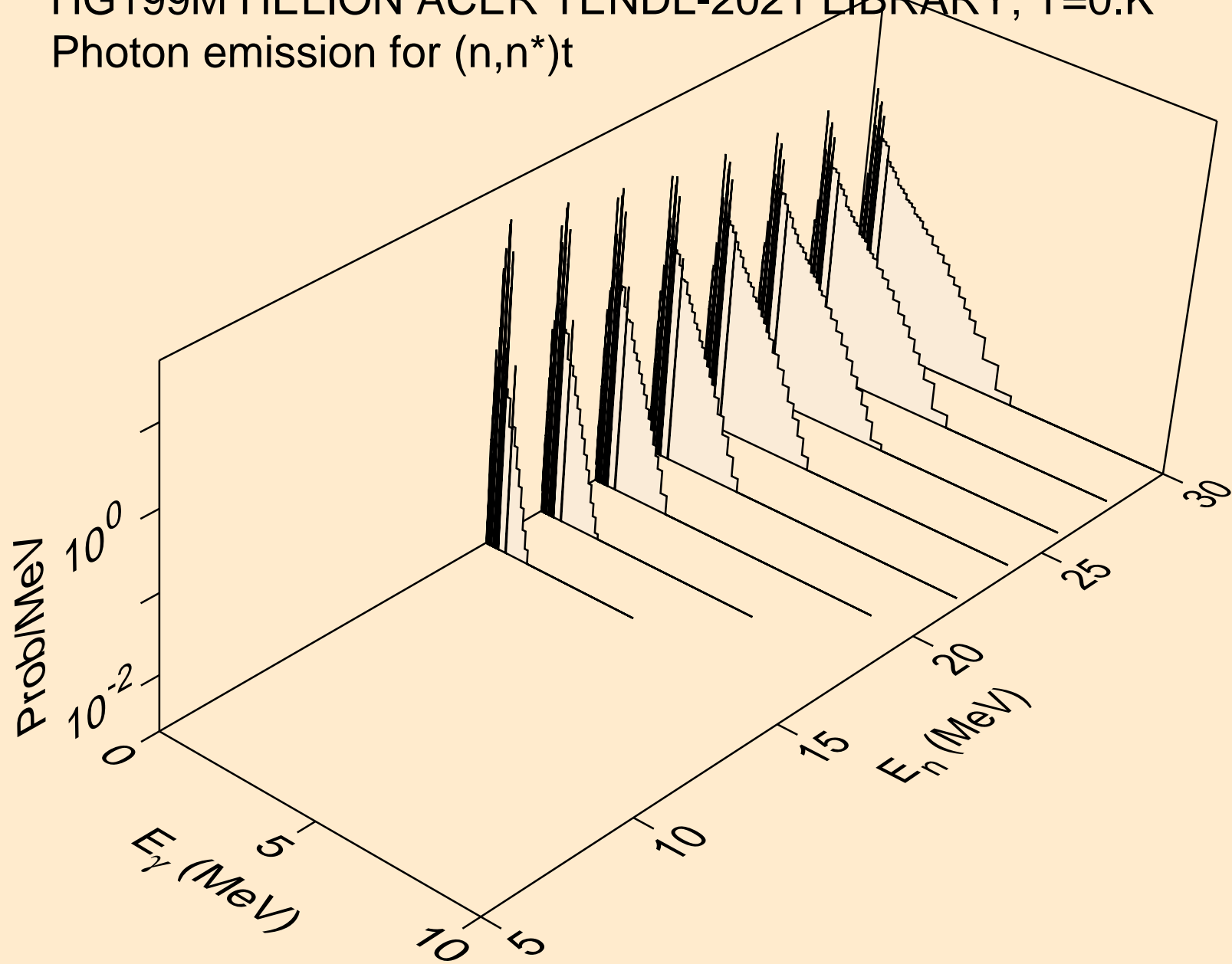
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Photon emission for (n,n\*)p



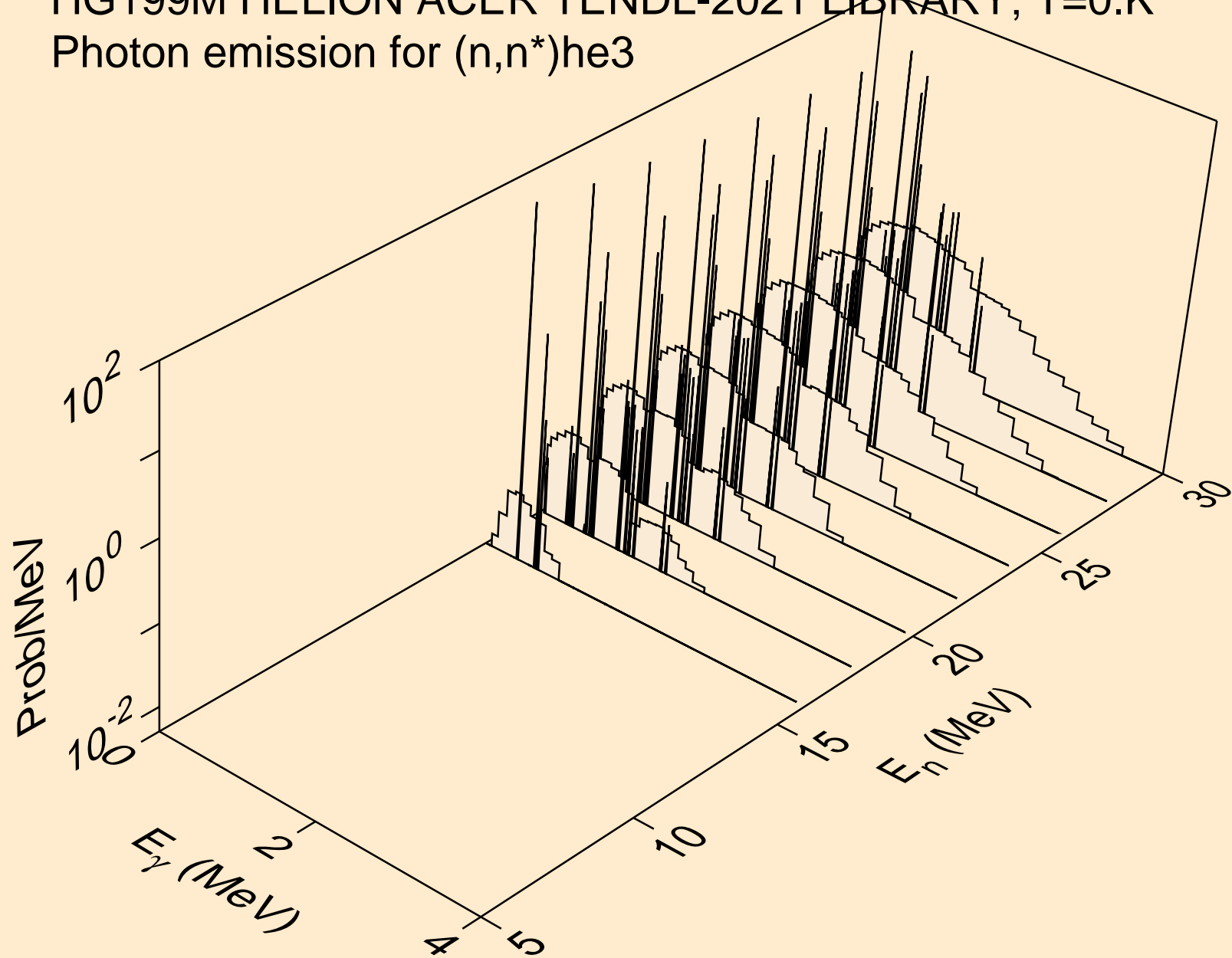
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Photon emission for (n,n\*)d



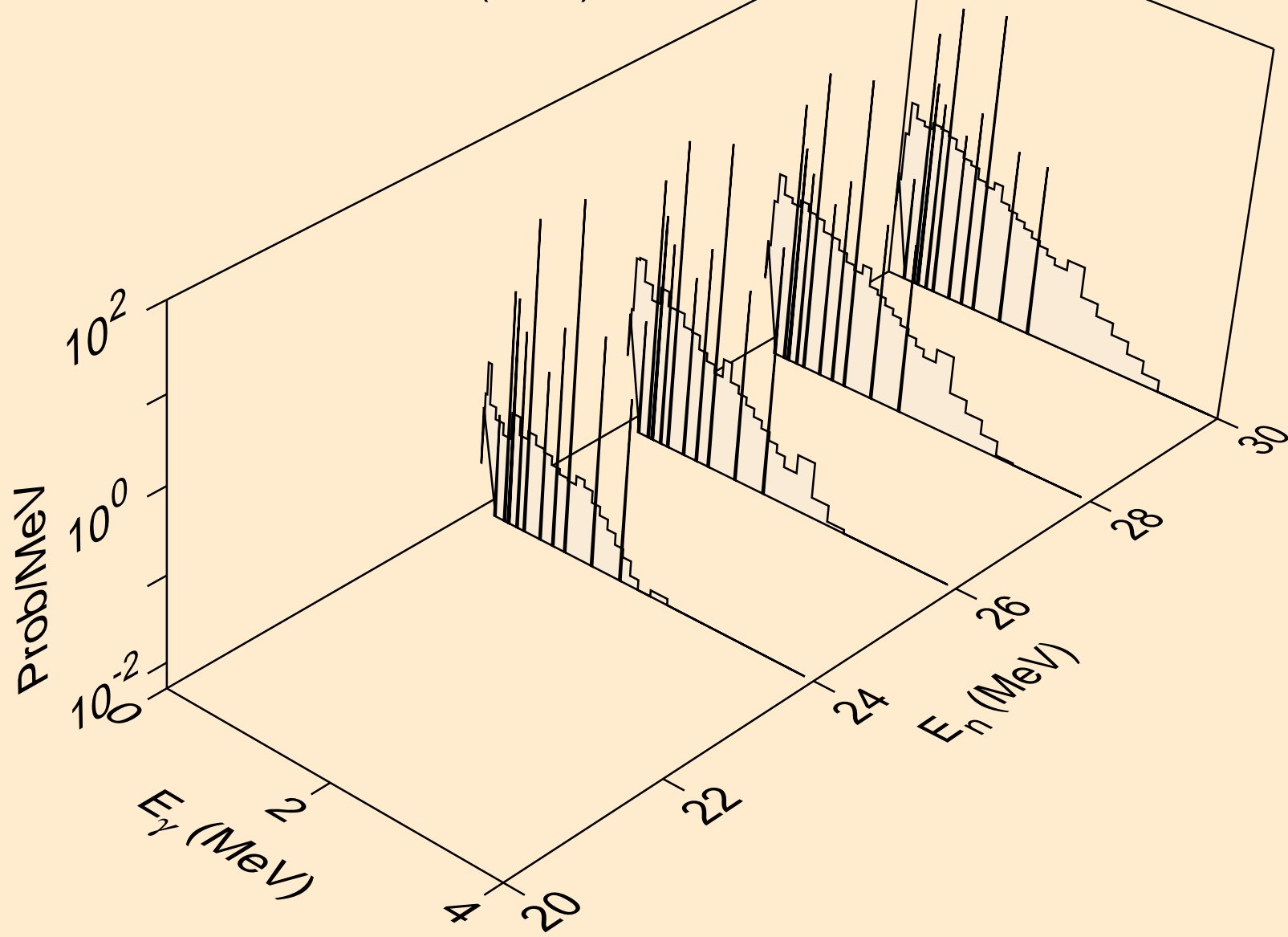
HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



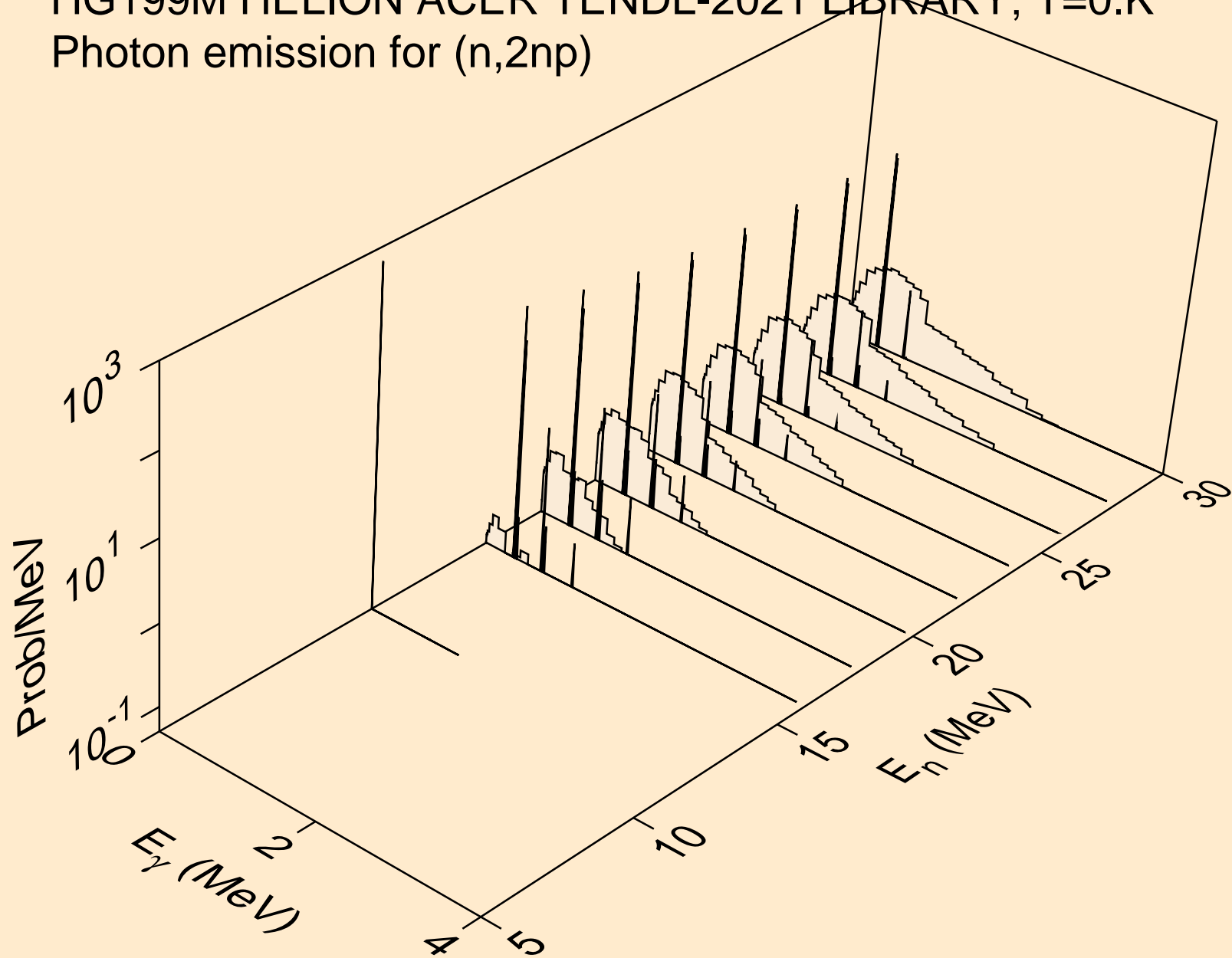
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Photon emission for (n,n\*)he3



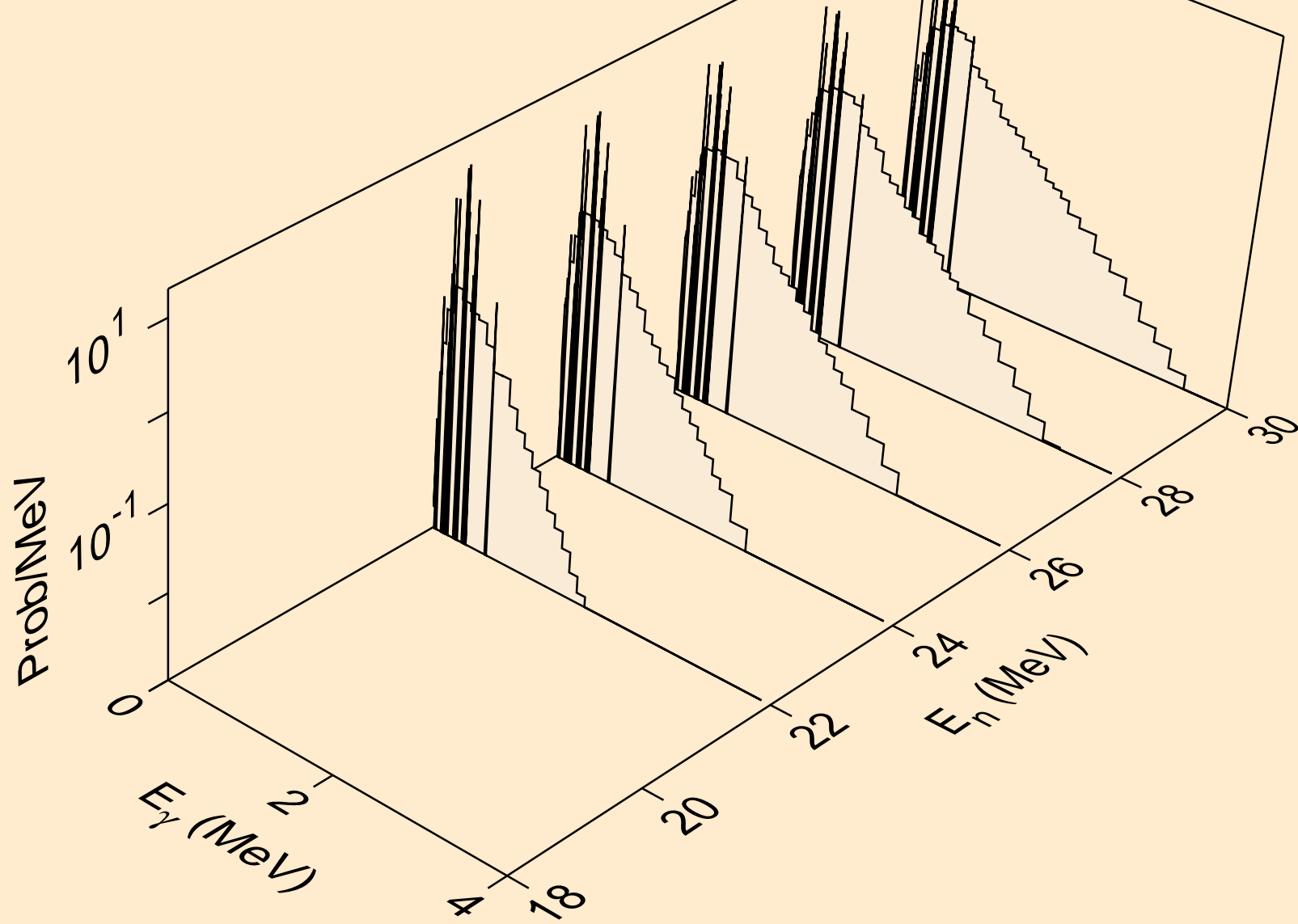
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Photon emission for (n,4n)



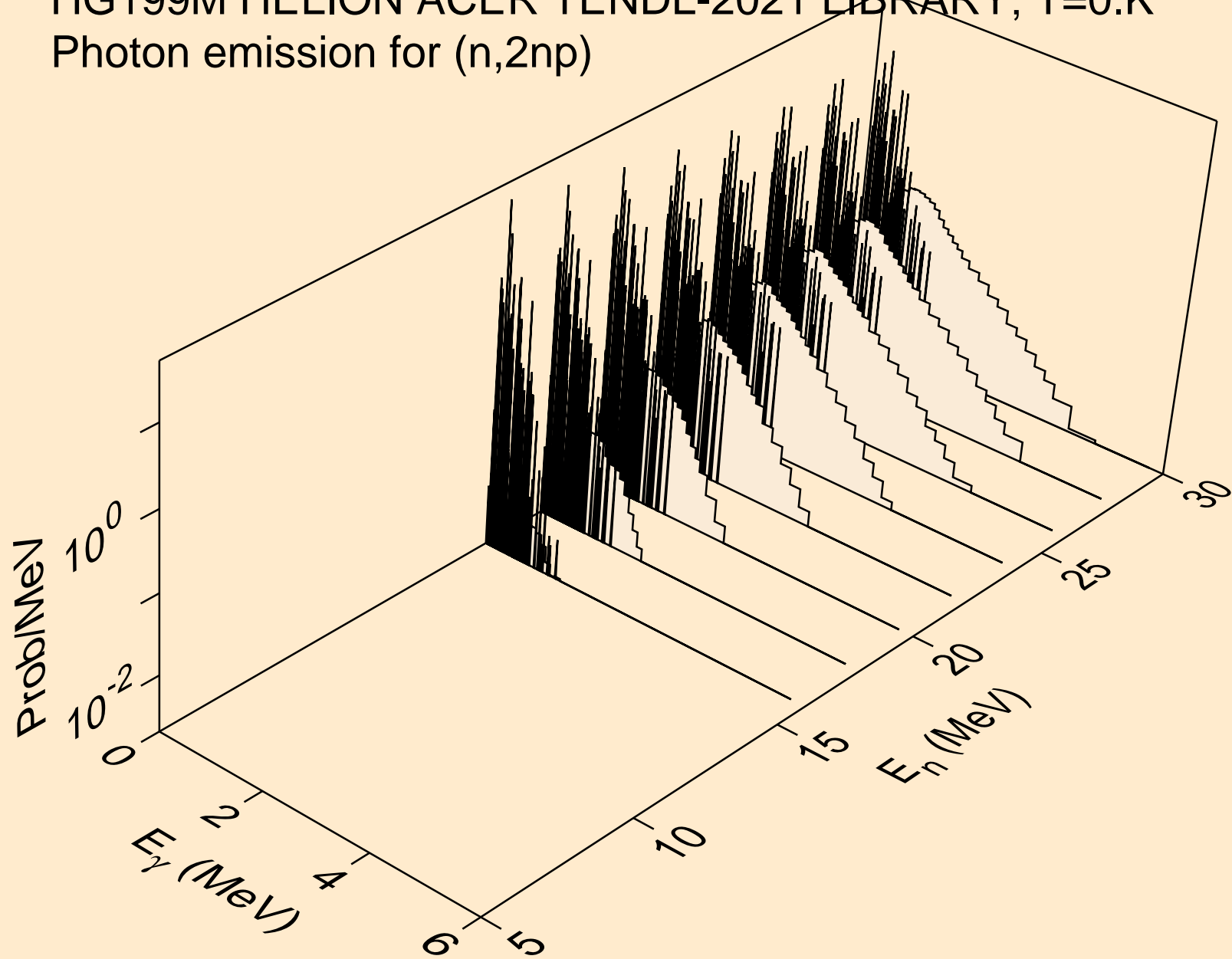
HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3np)

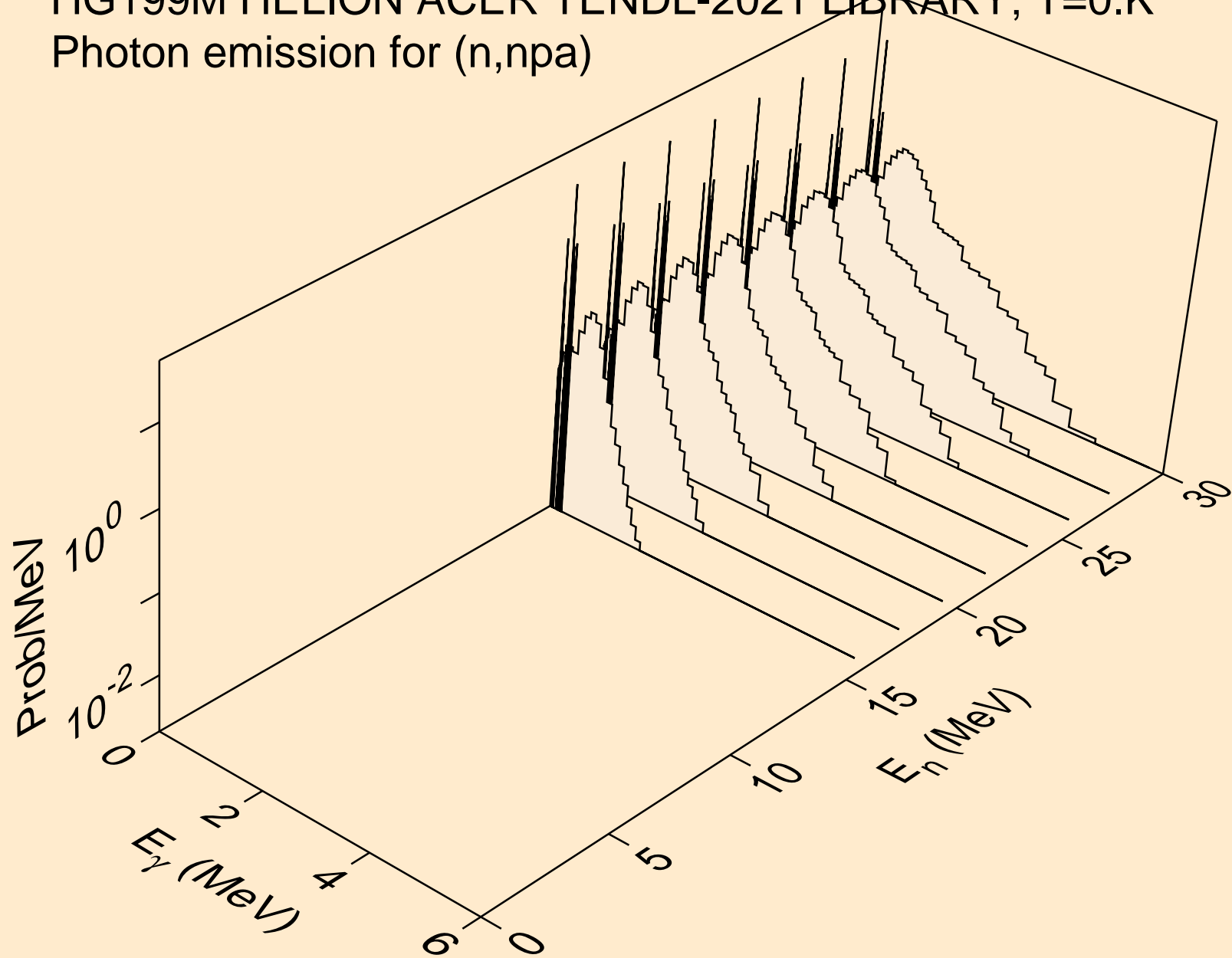


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Photon emission for (n,2np)

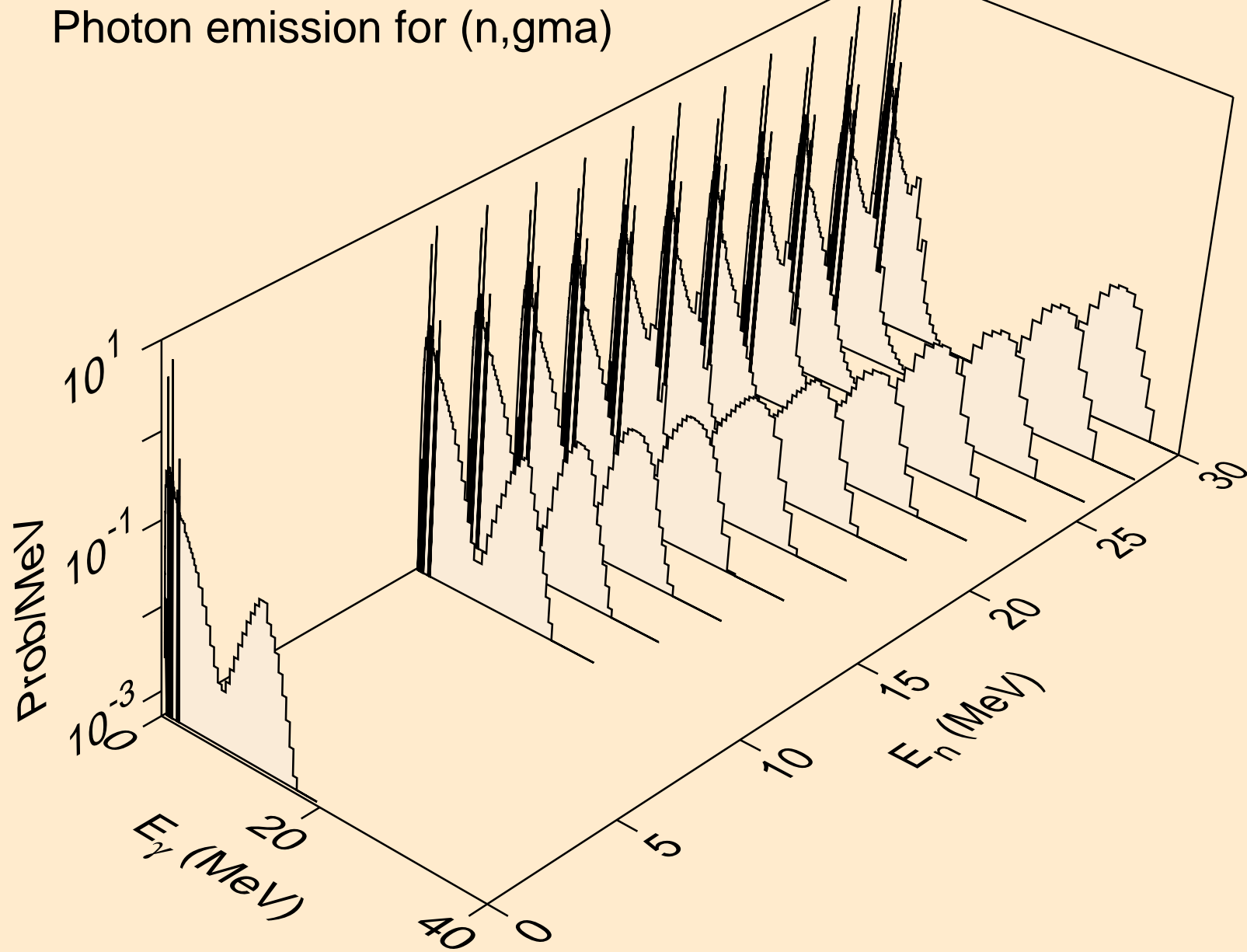




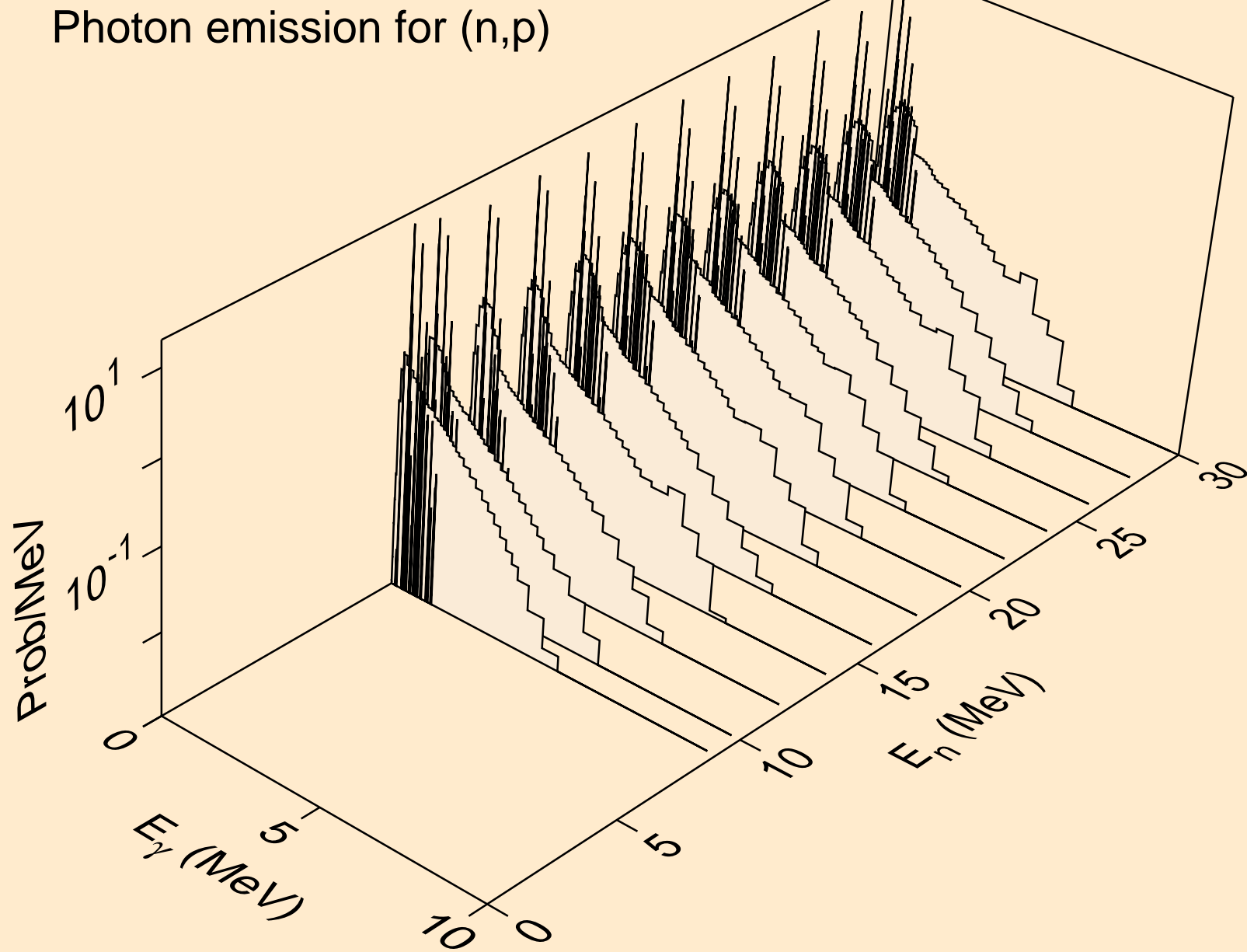
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Photon emission for (n,npa)



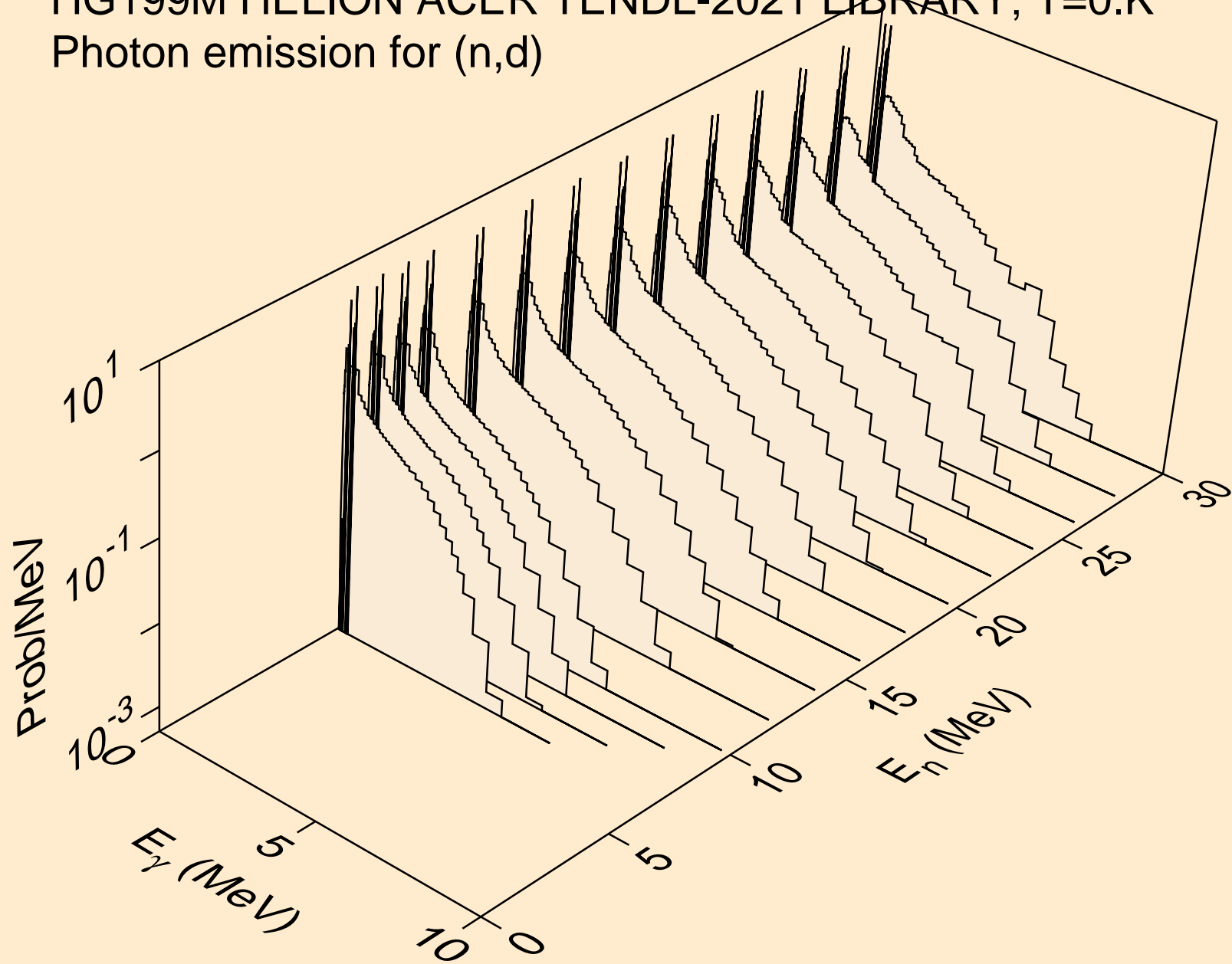
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Photon emission for (n,gma)



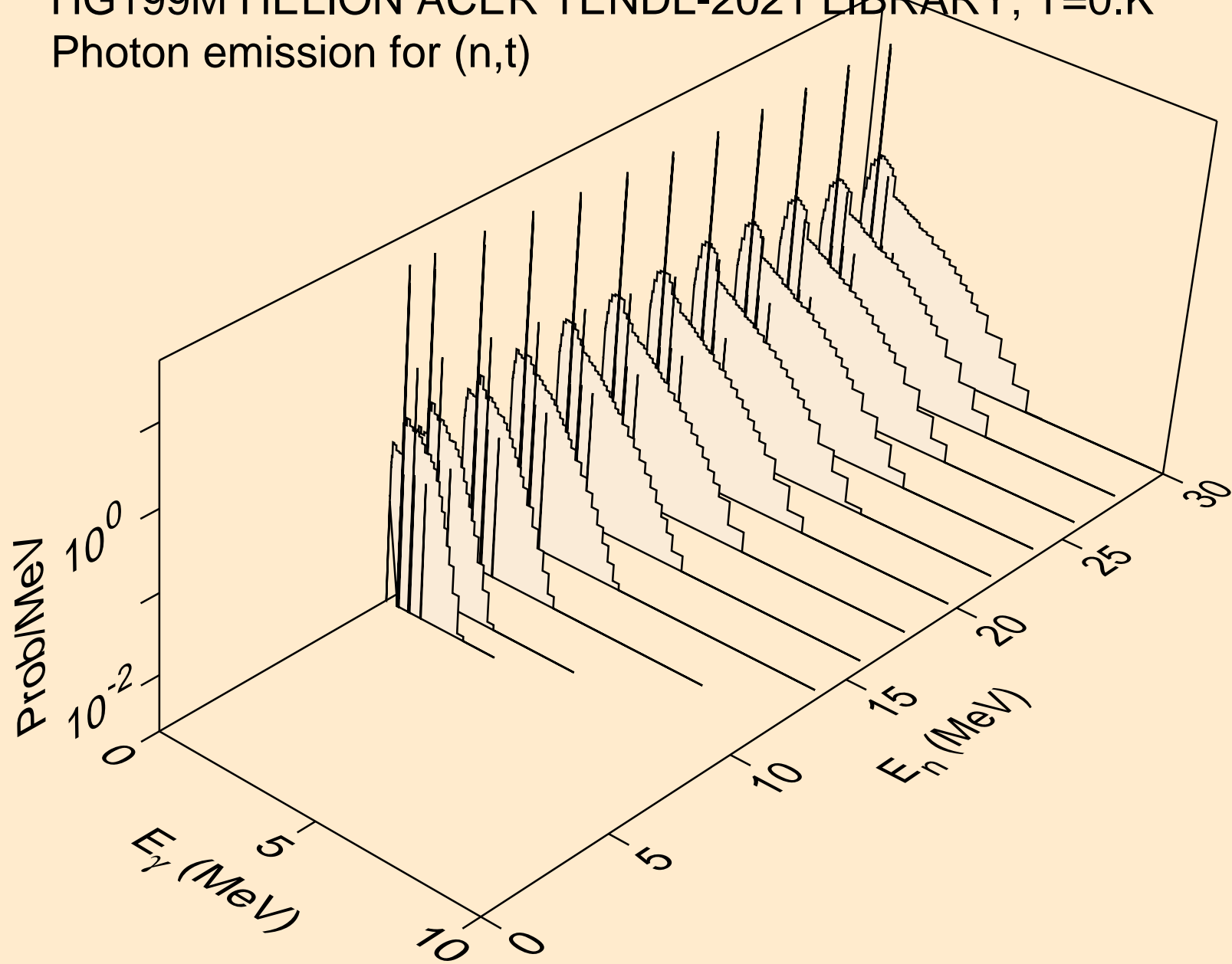
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Photon emission for (n,p)



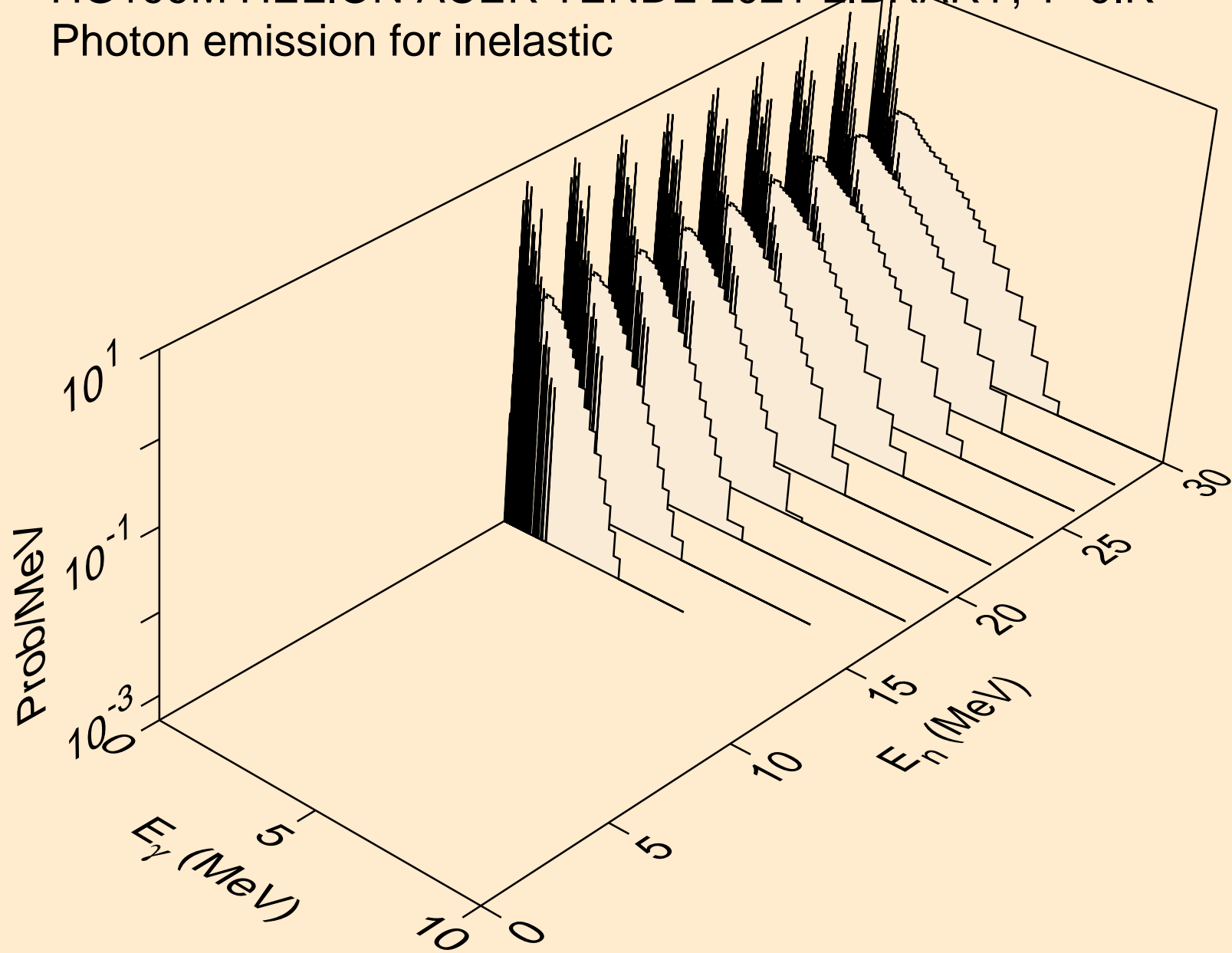
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Photon emission for (n,d)



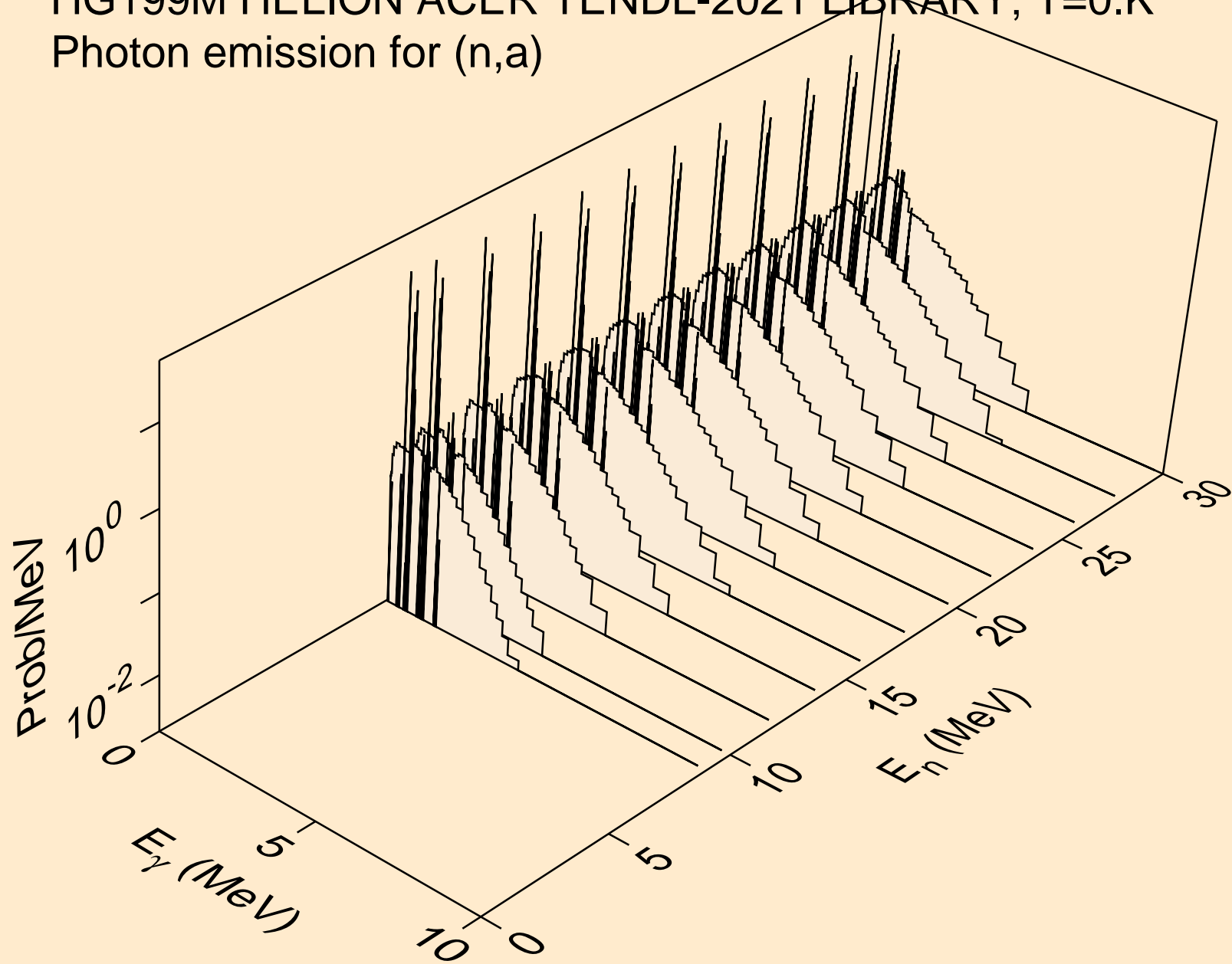
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Photon emission for (n,t)



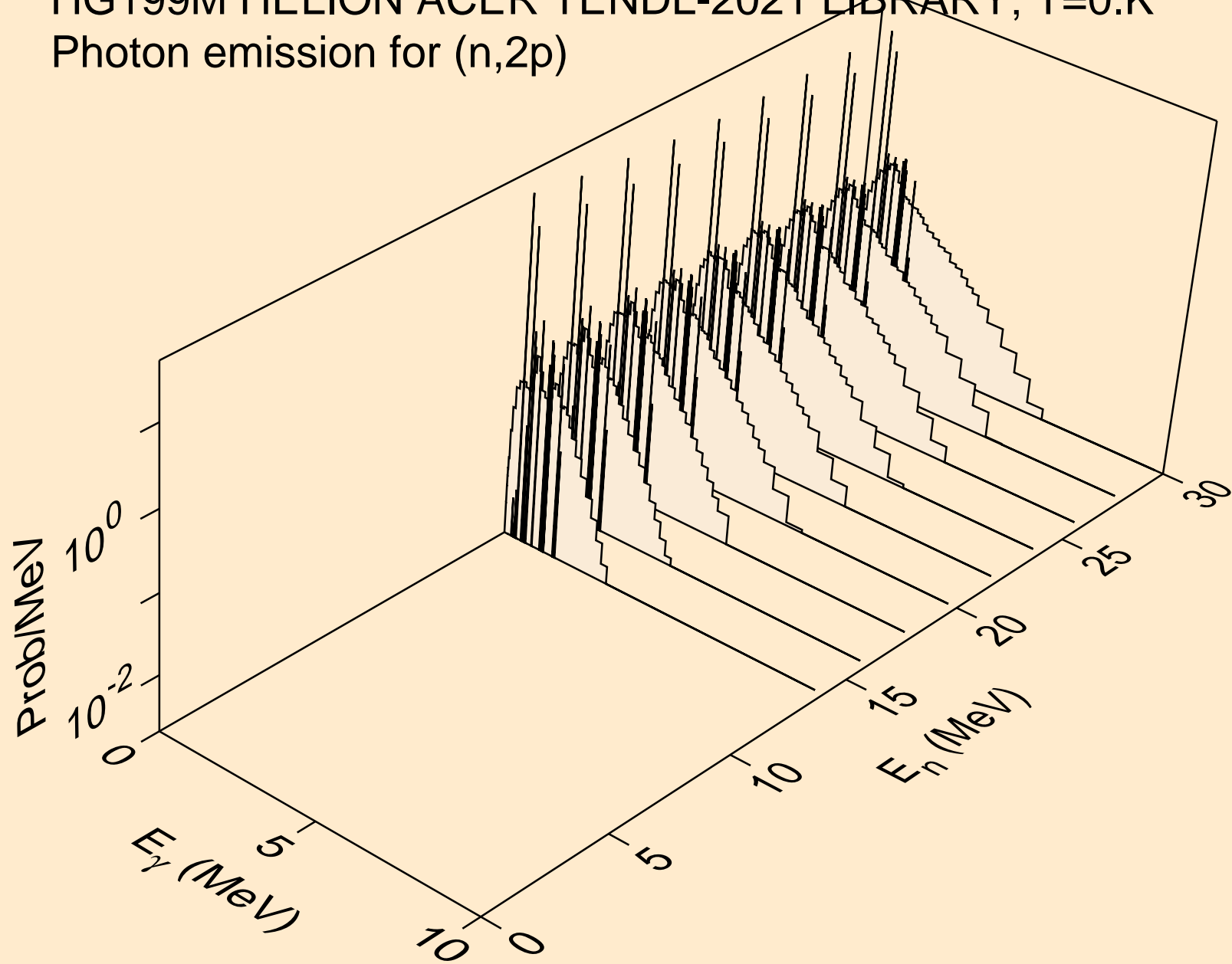
HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,a)

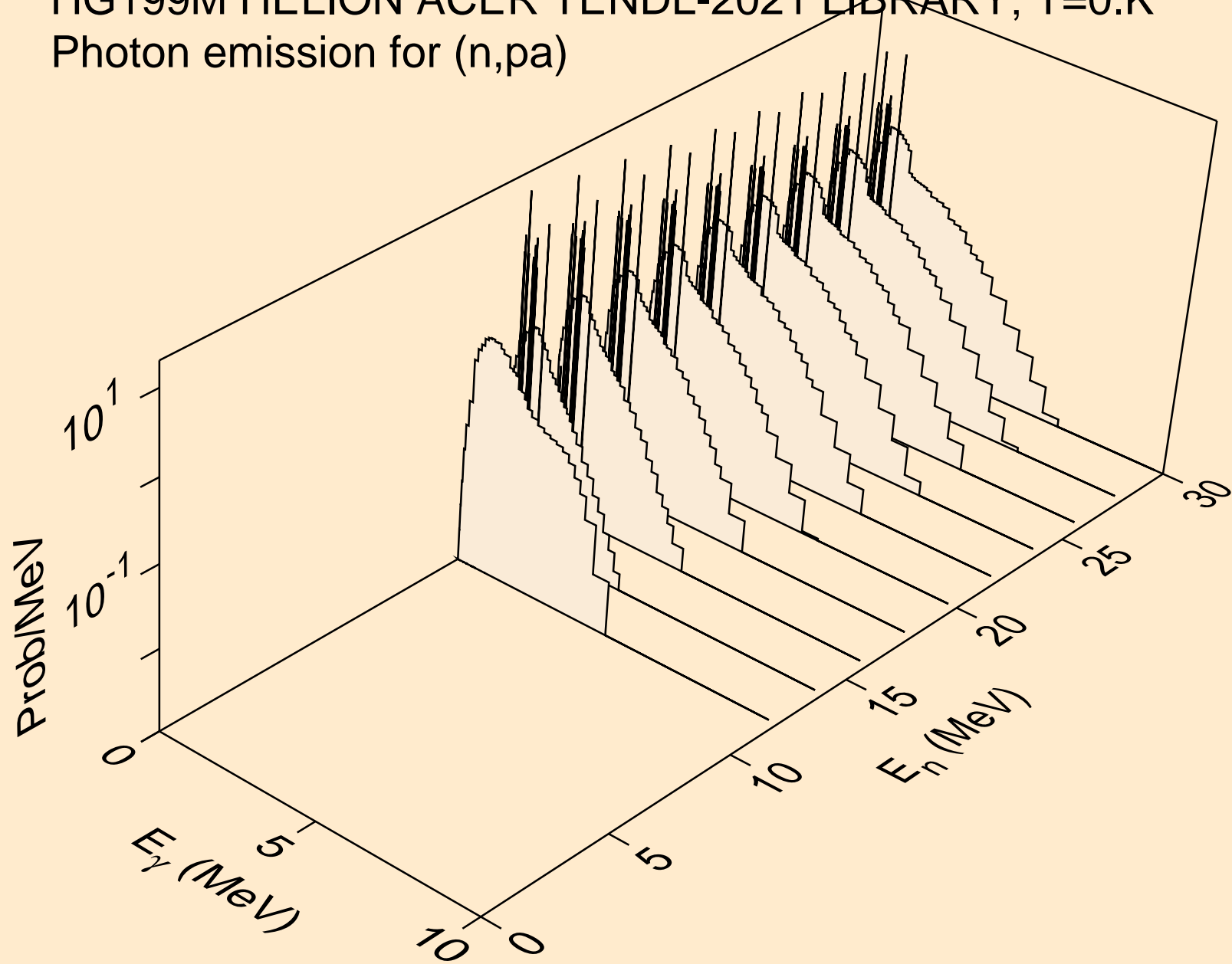


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Photon emission for (n,2p)

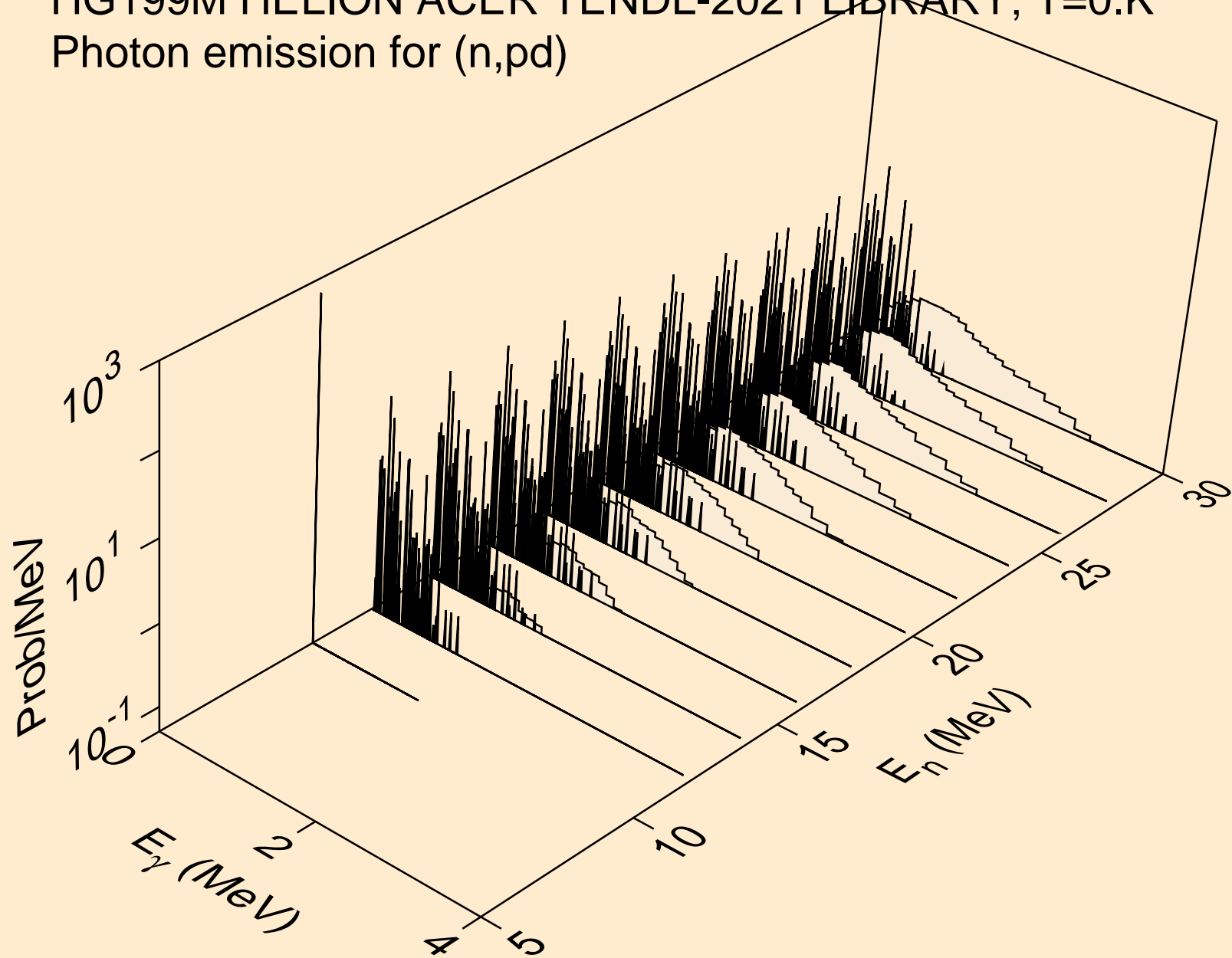




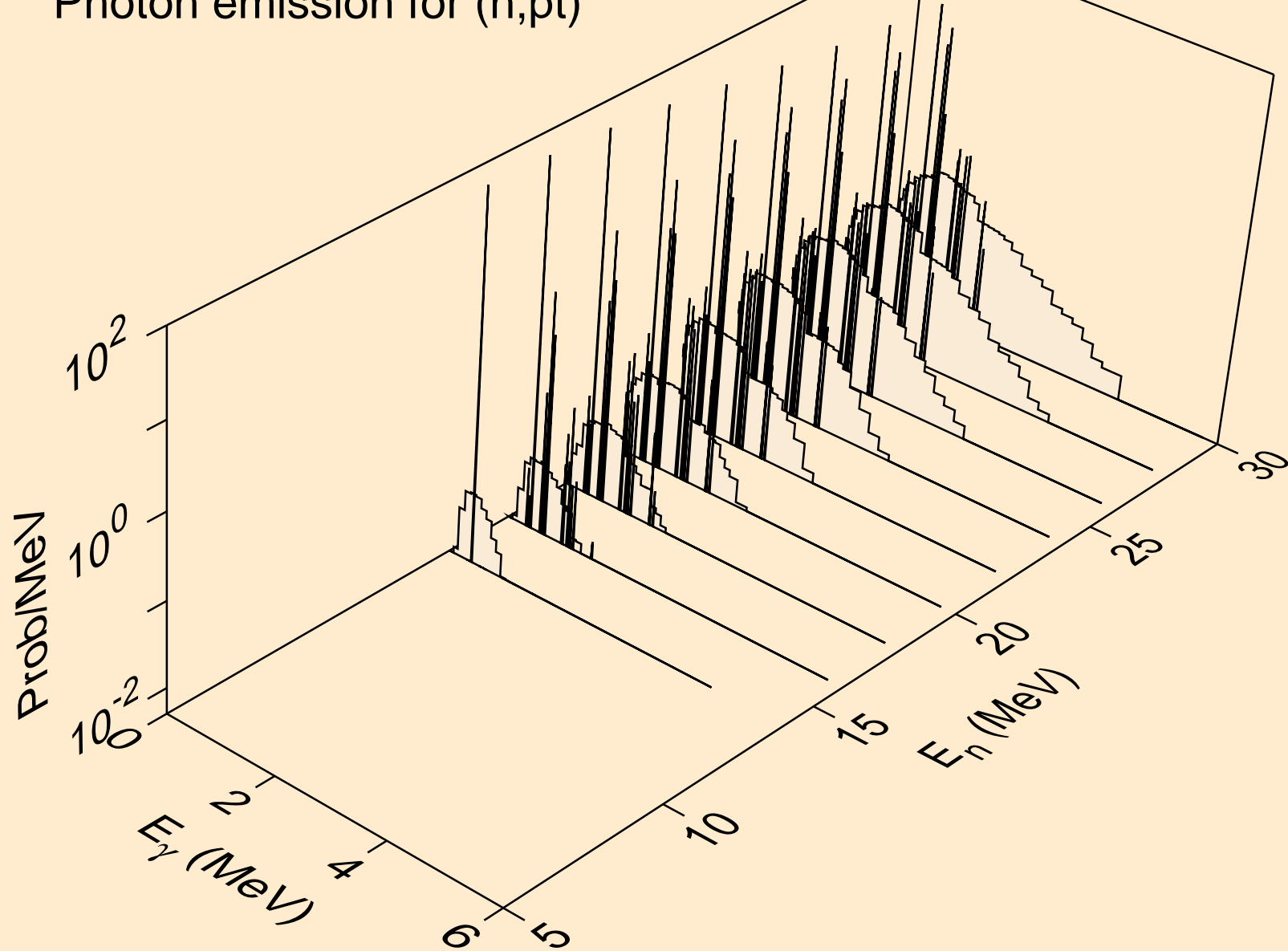
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Photon emission for (n,pa)



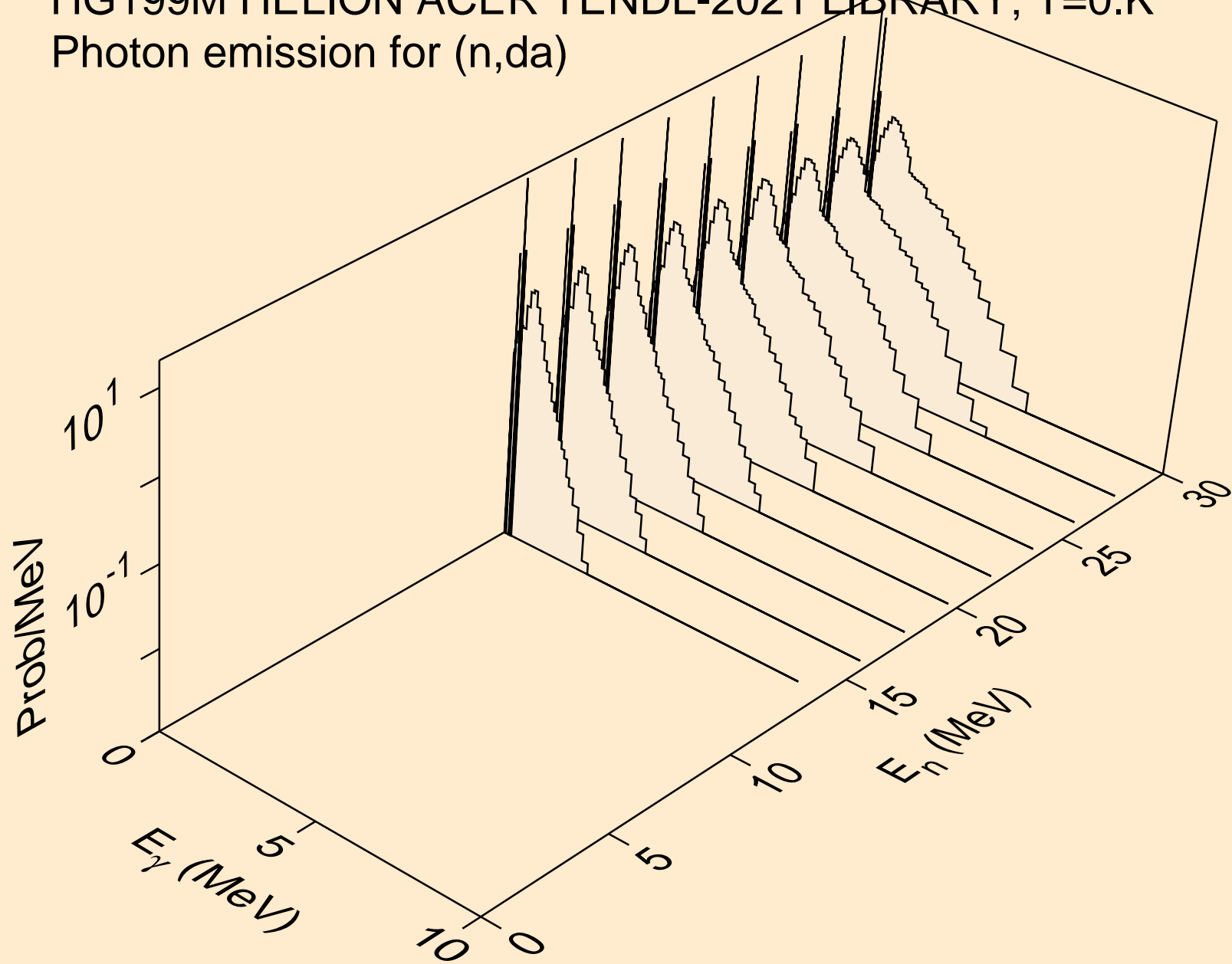
HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)



HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)

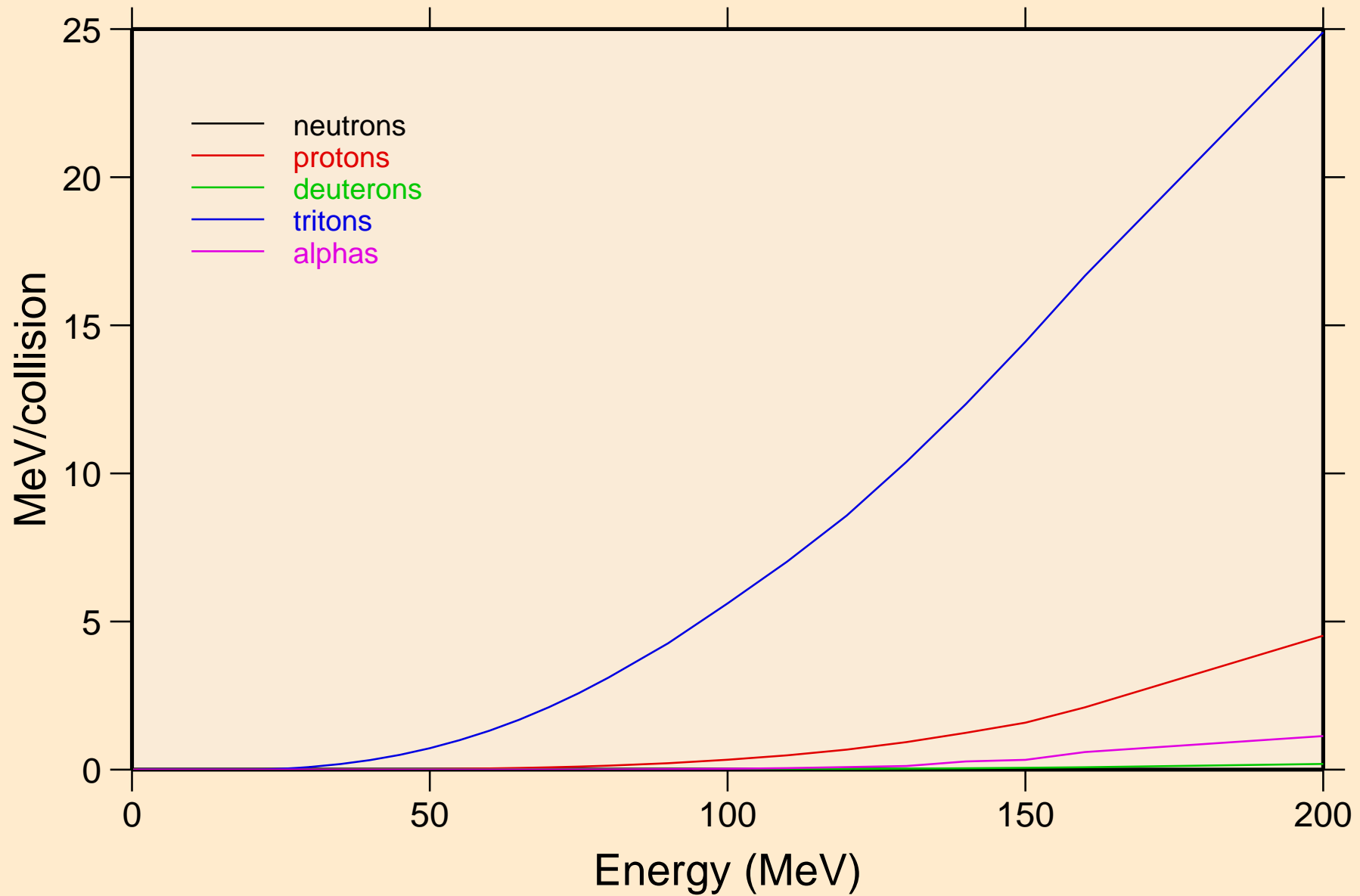


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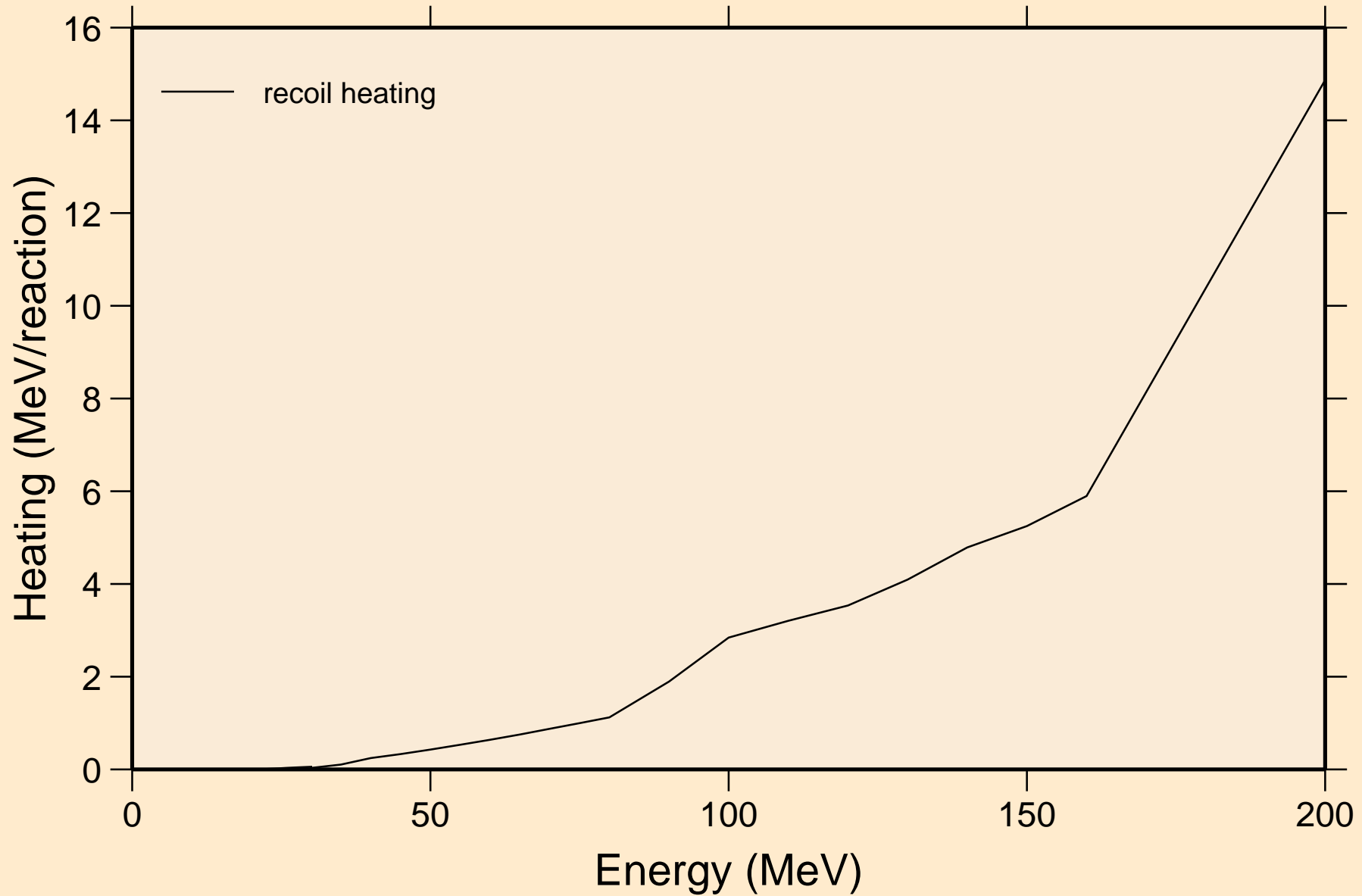


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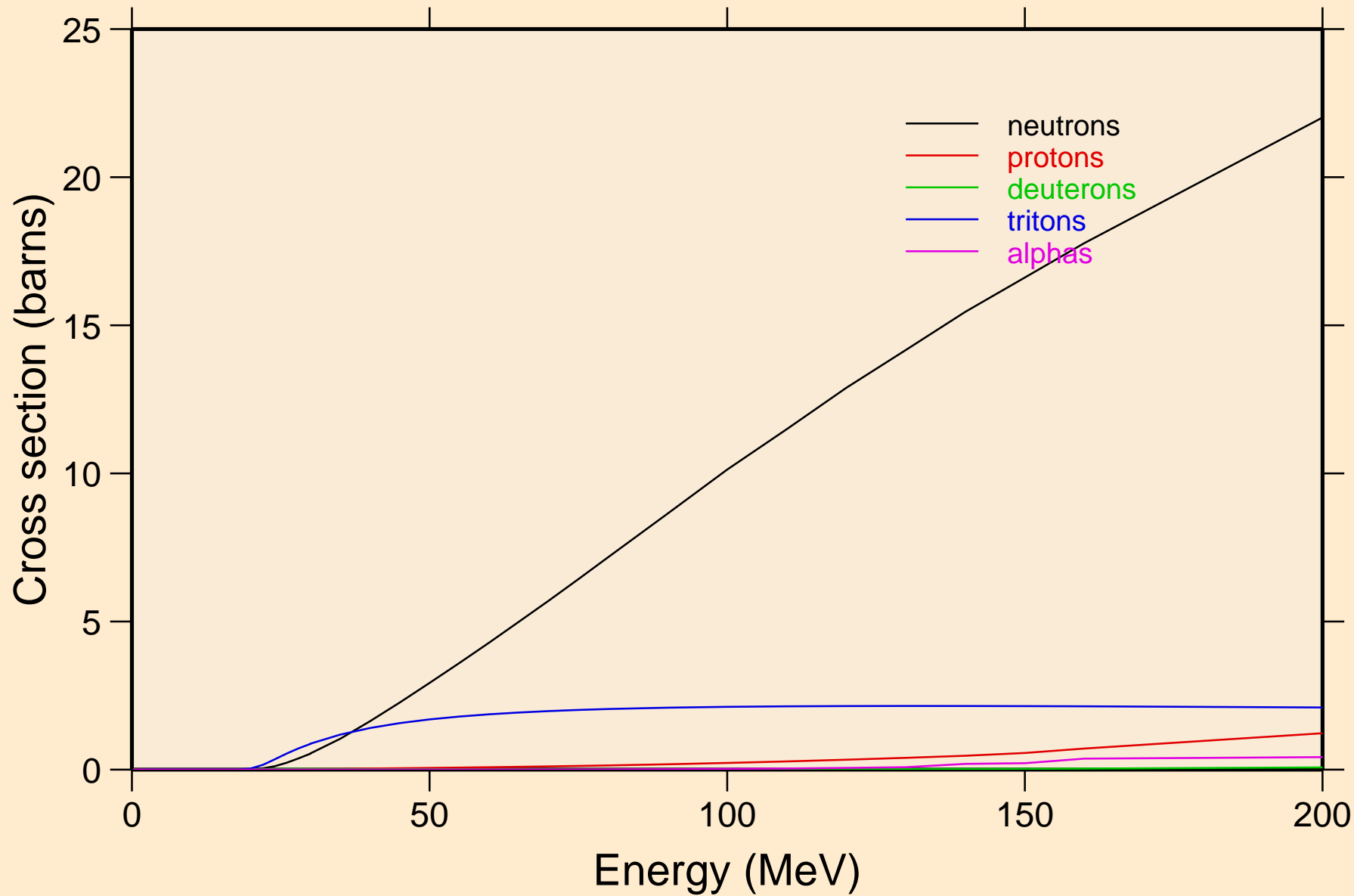
## Particle heating contributions



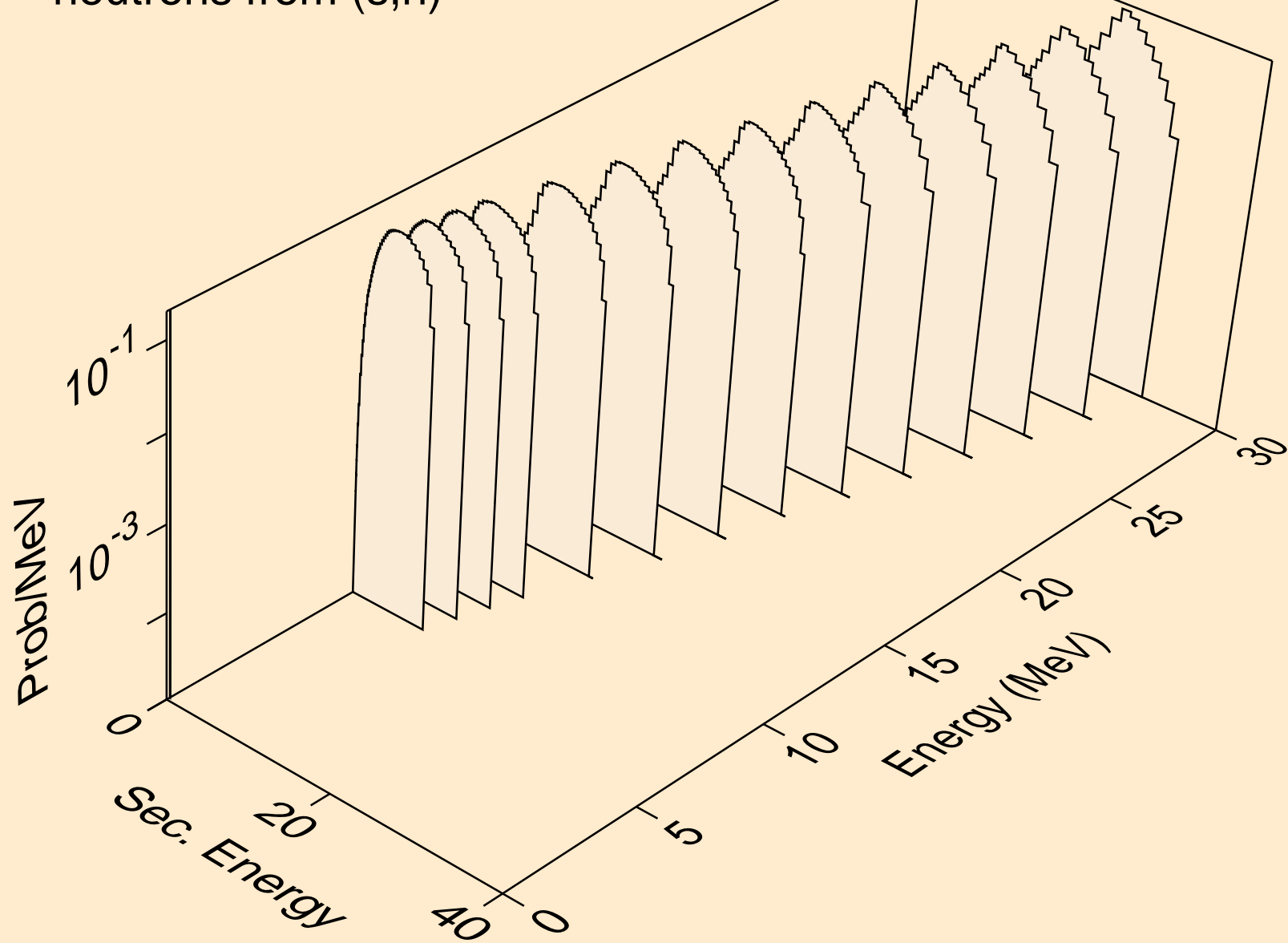
HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Recoil Heating



HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections

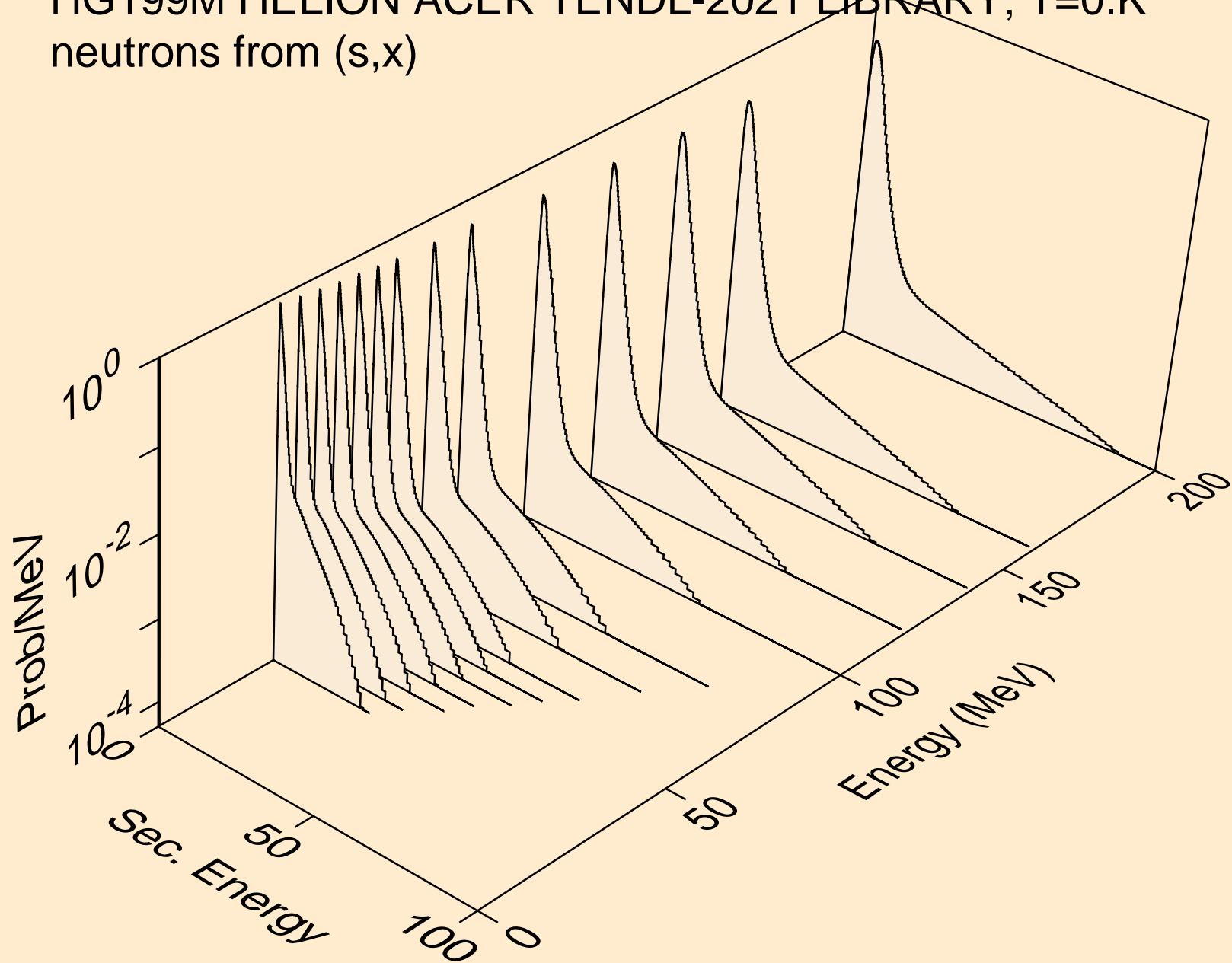


HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n)

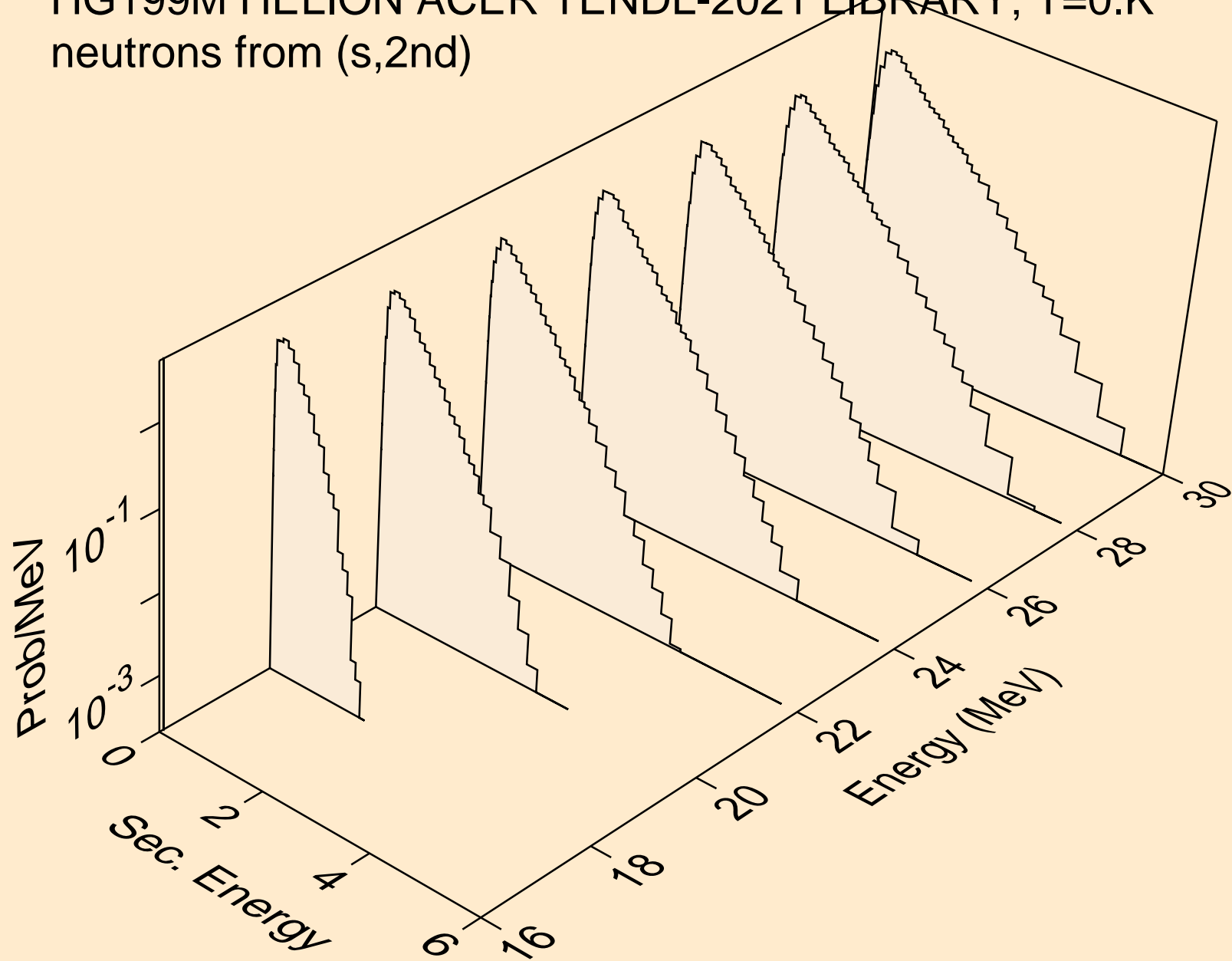




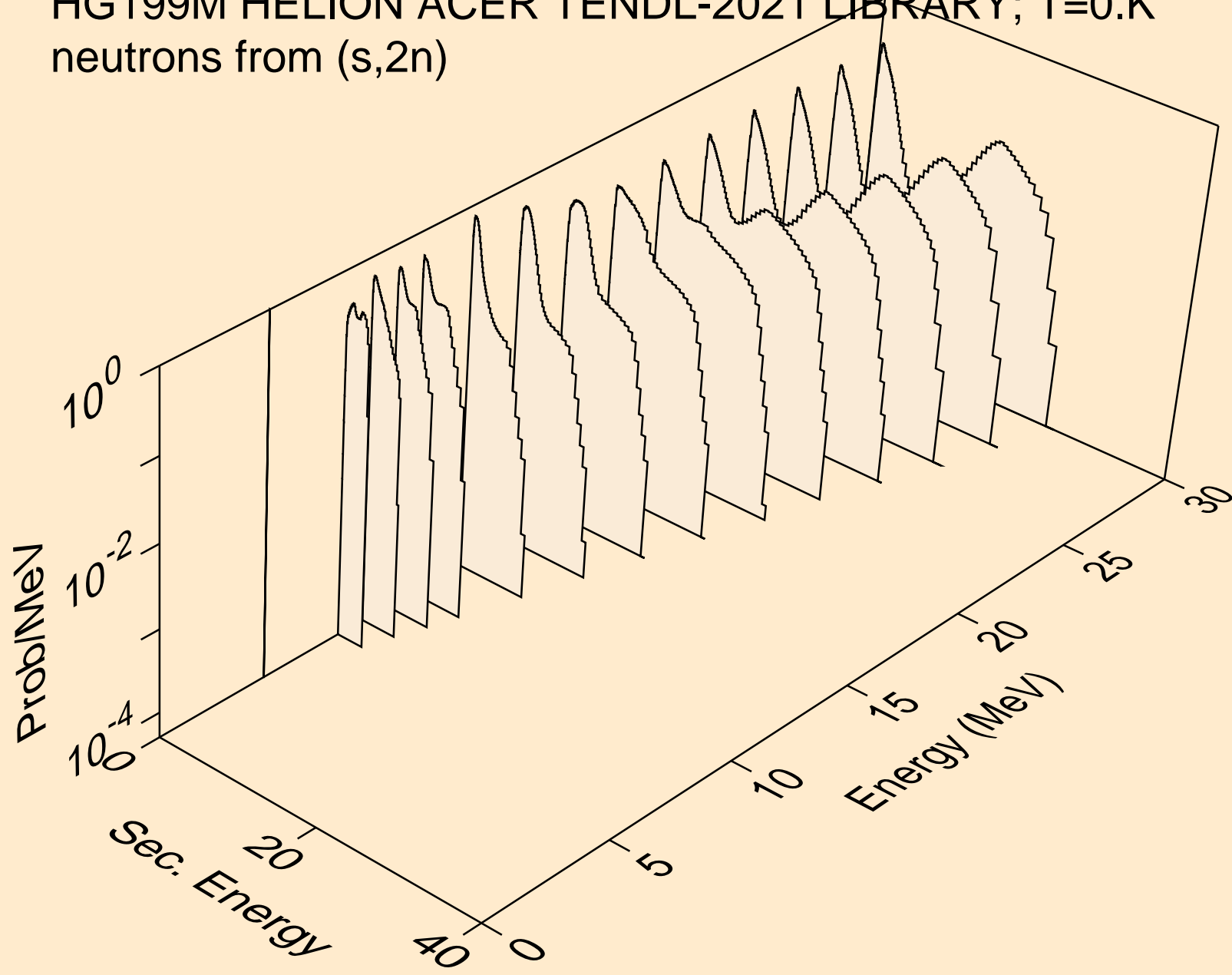
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neutrons from (s,x)



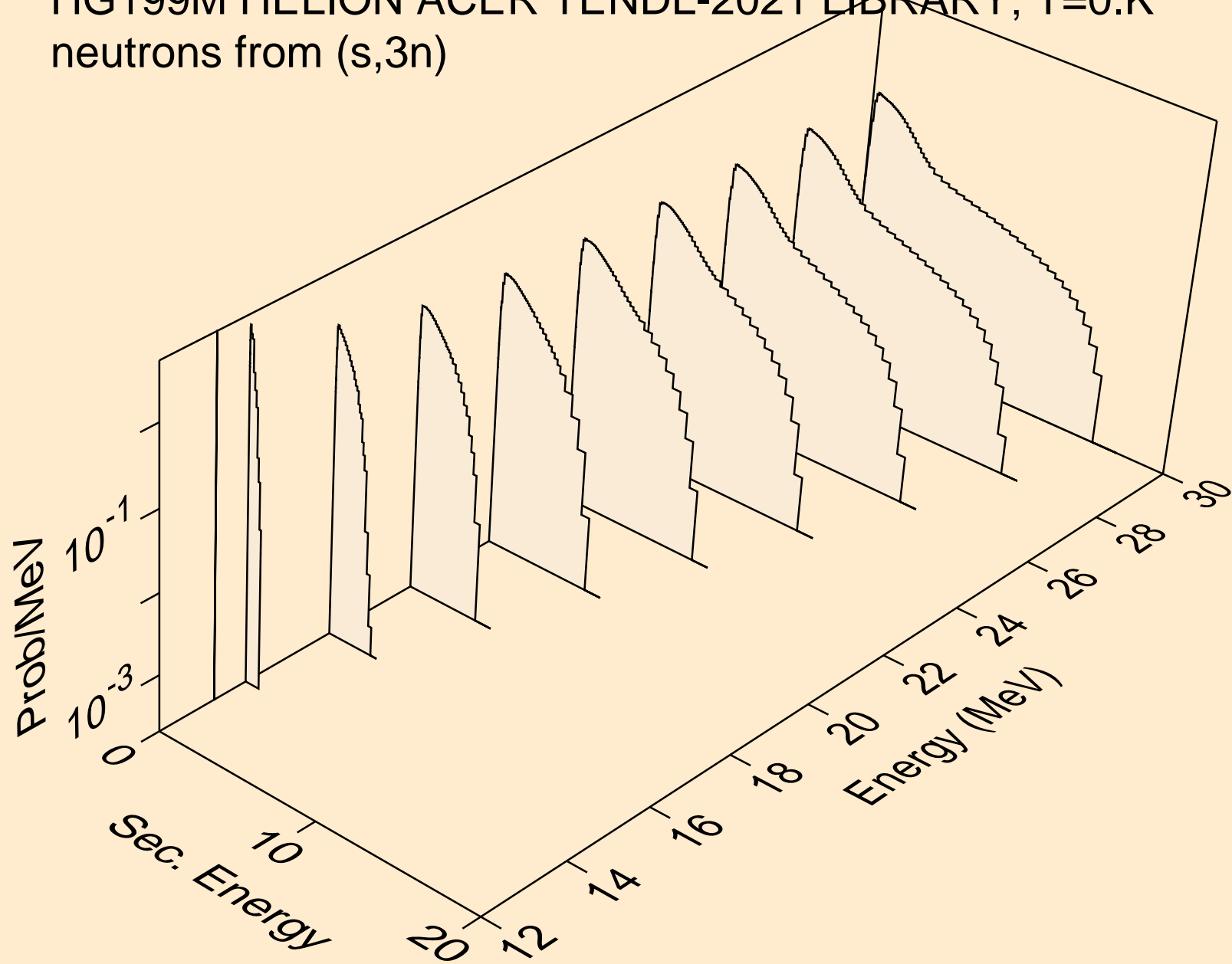
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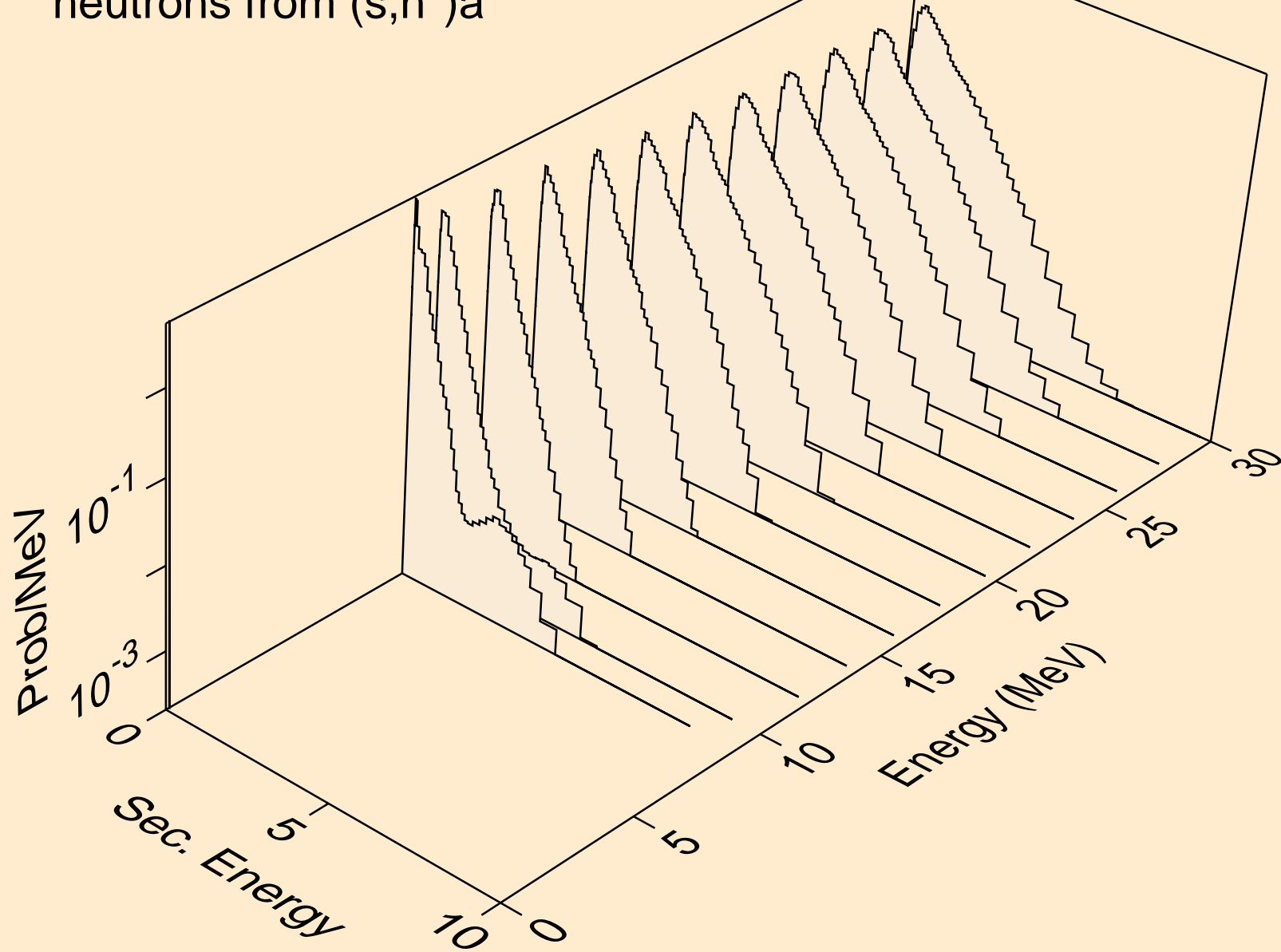
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neutrons from (s,2n)



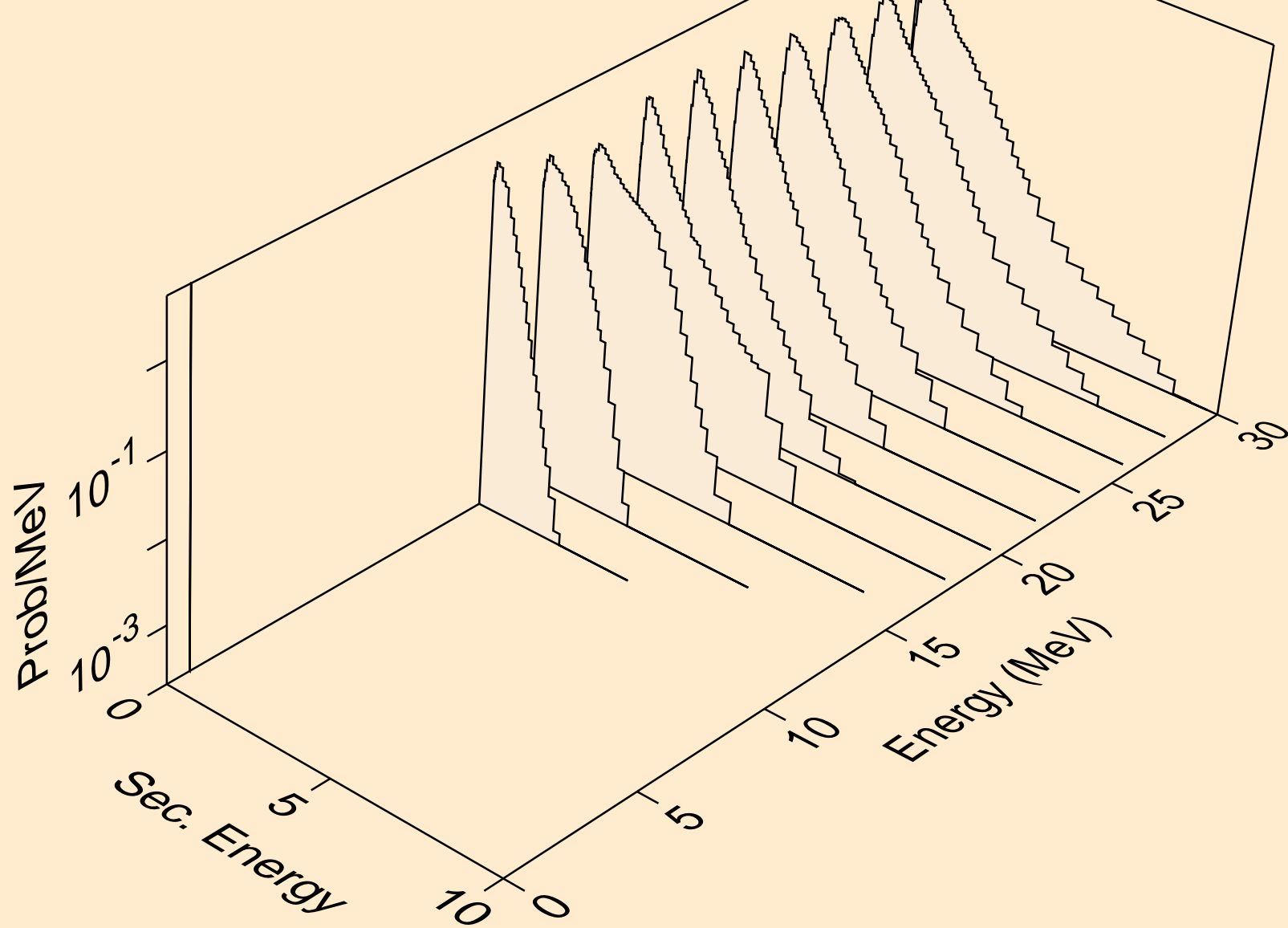
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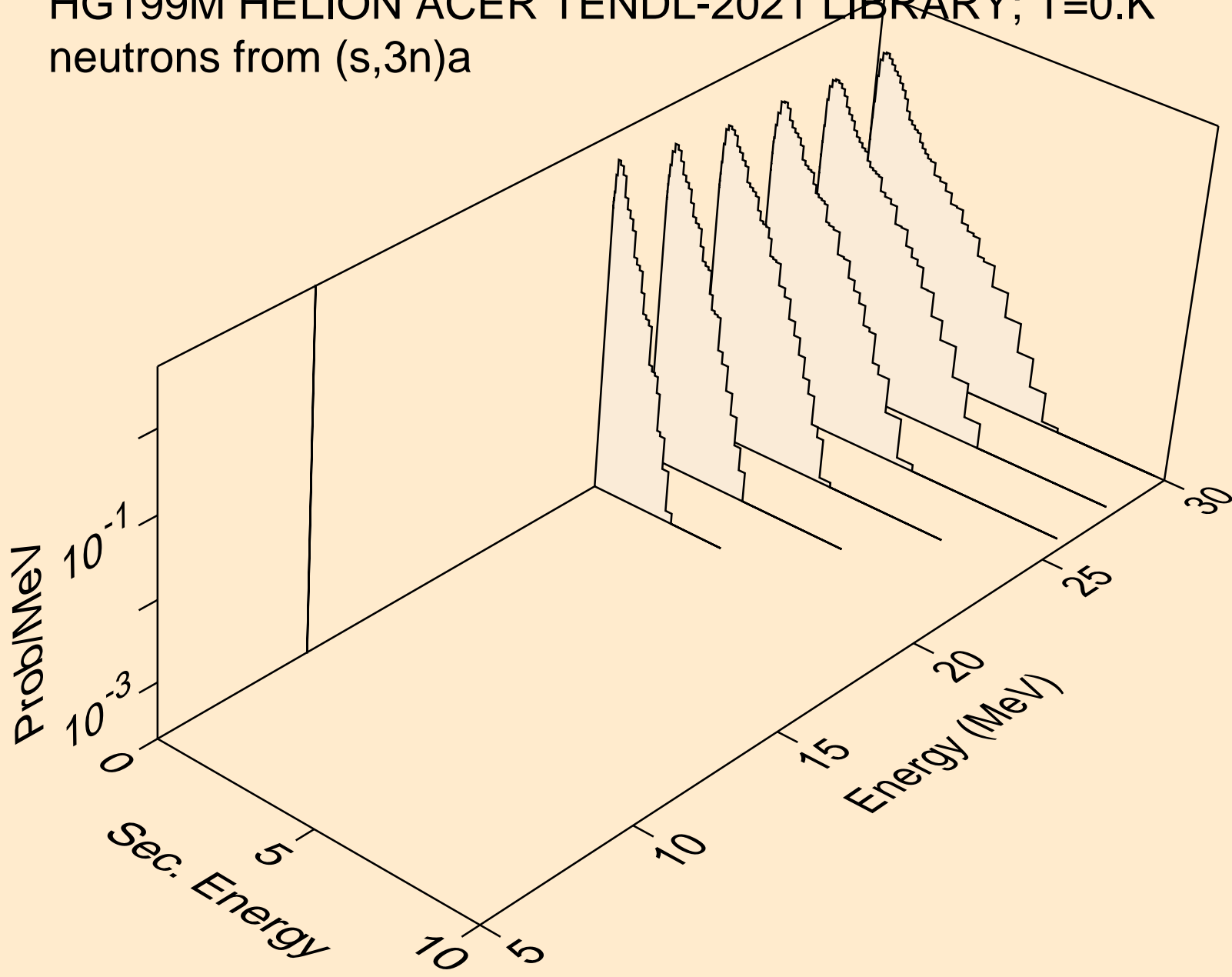
HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)a



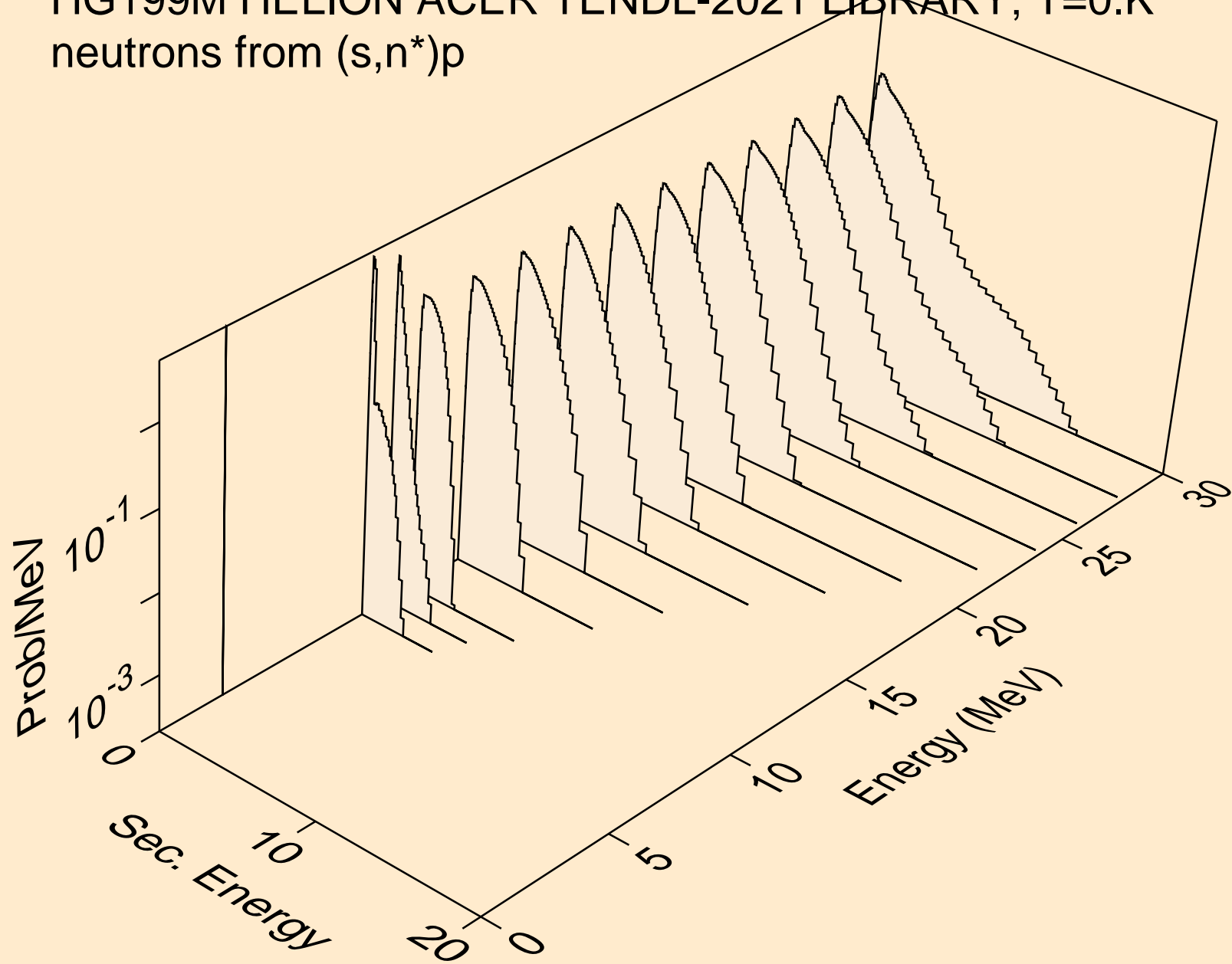
HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2n)a



HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,3n)a

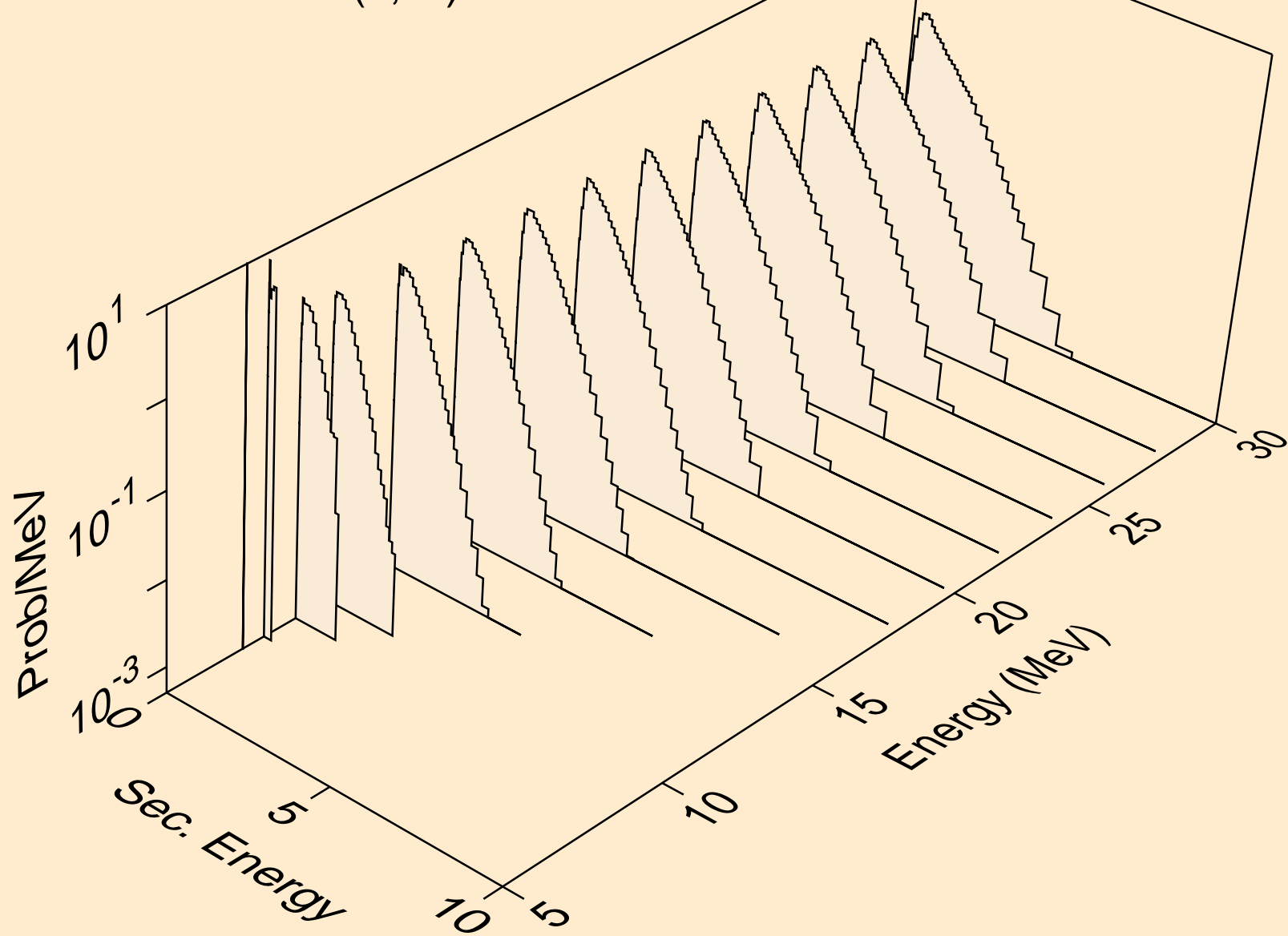


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neutrons from (s,n\*)p

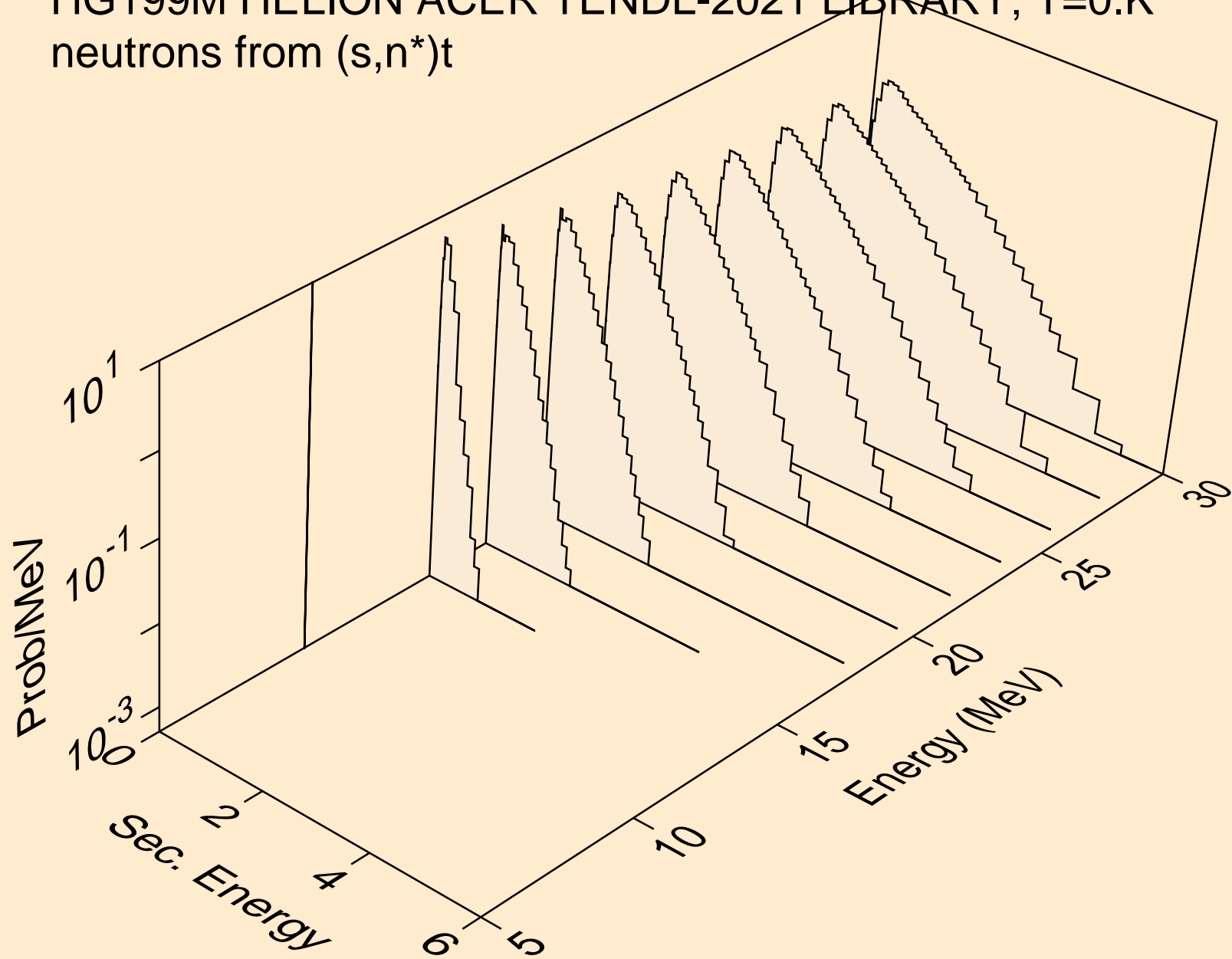




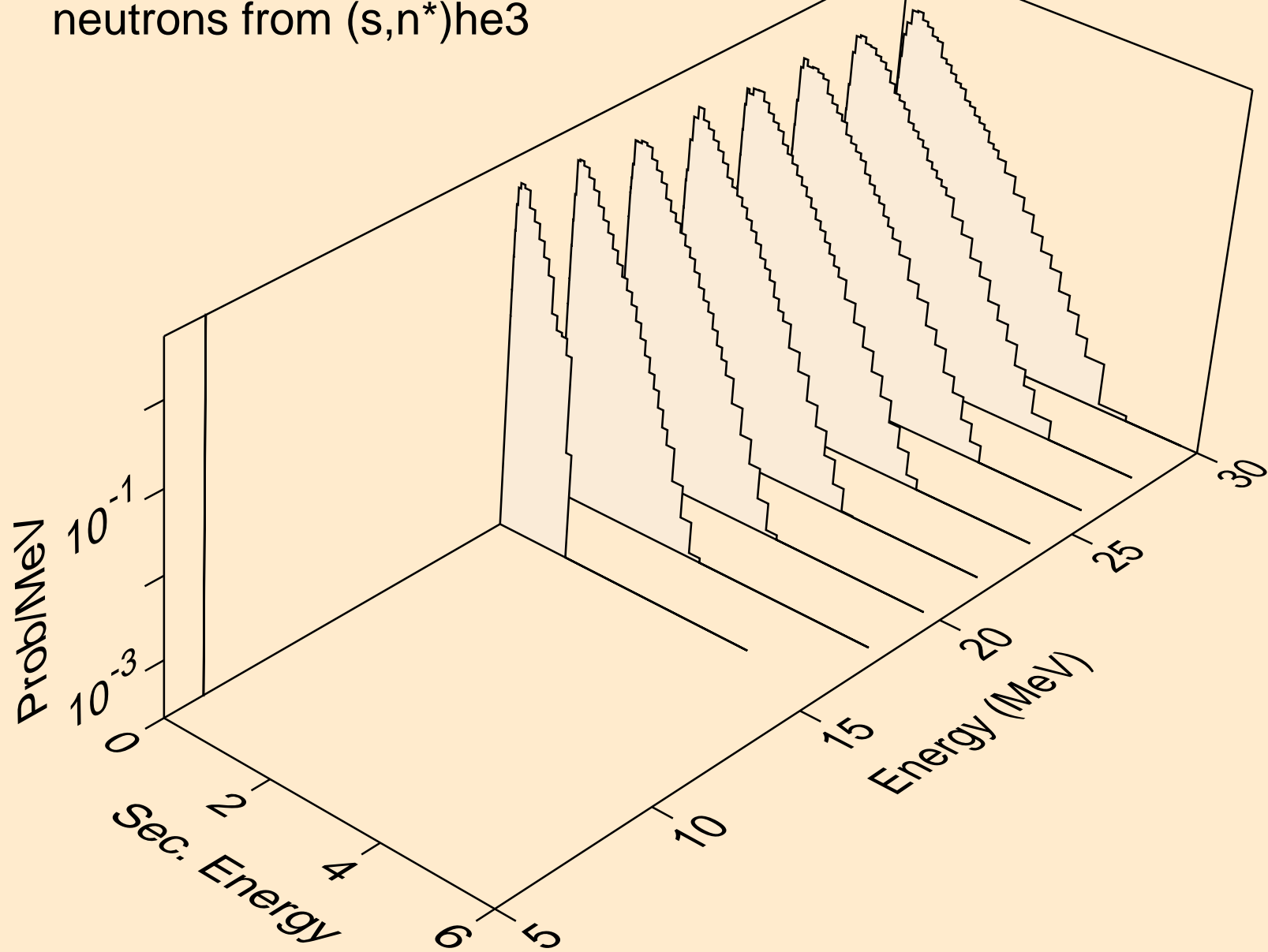
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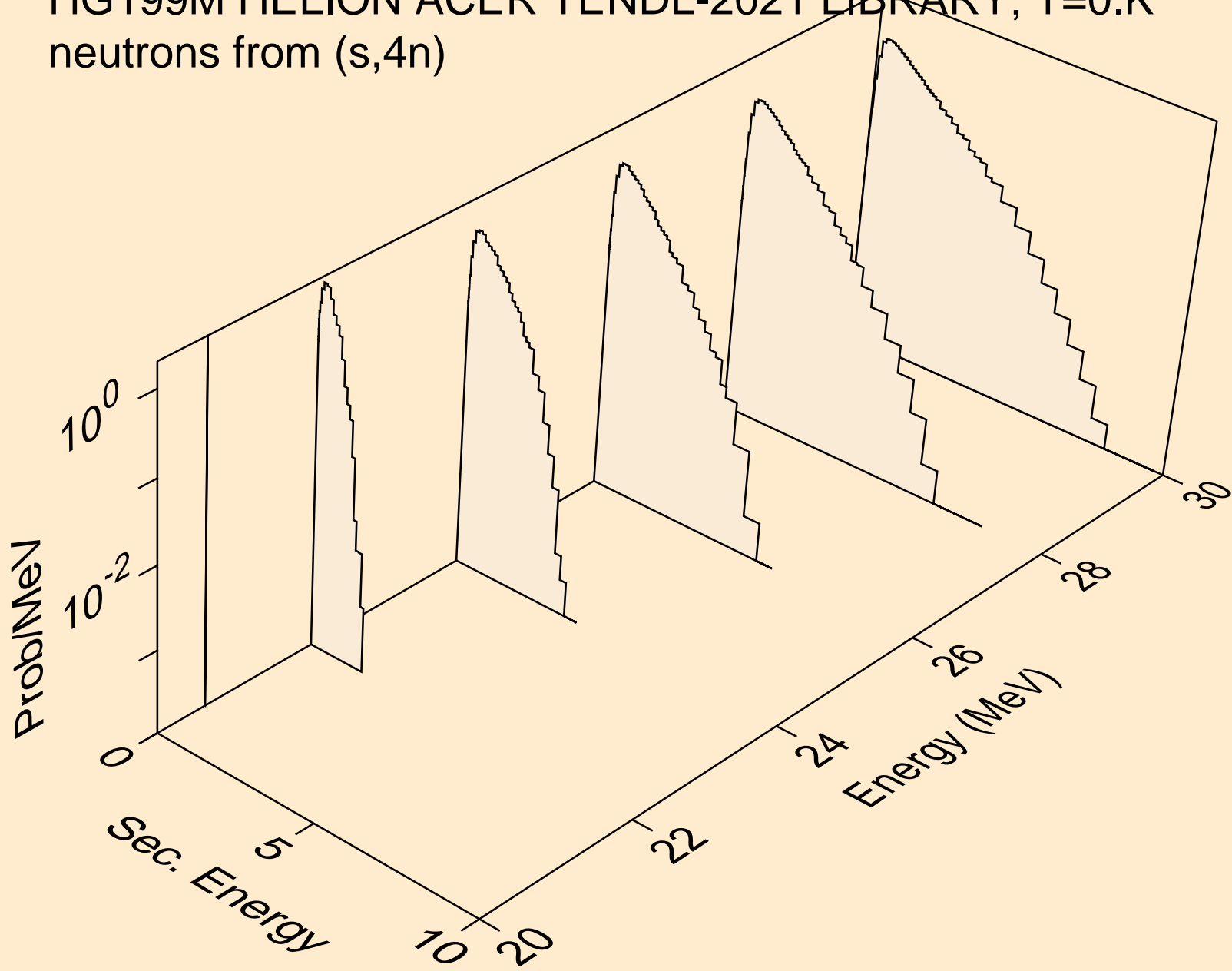
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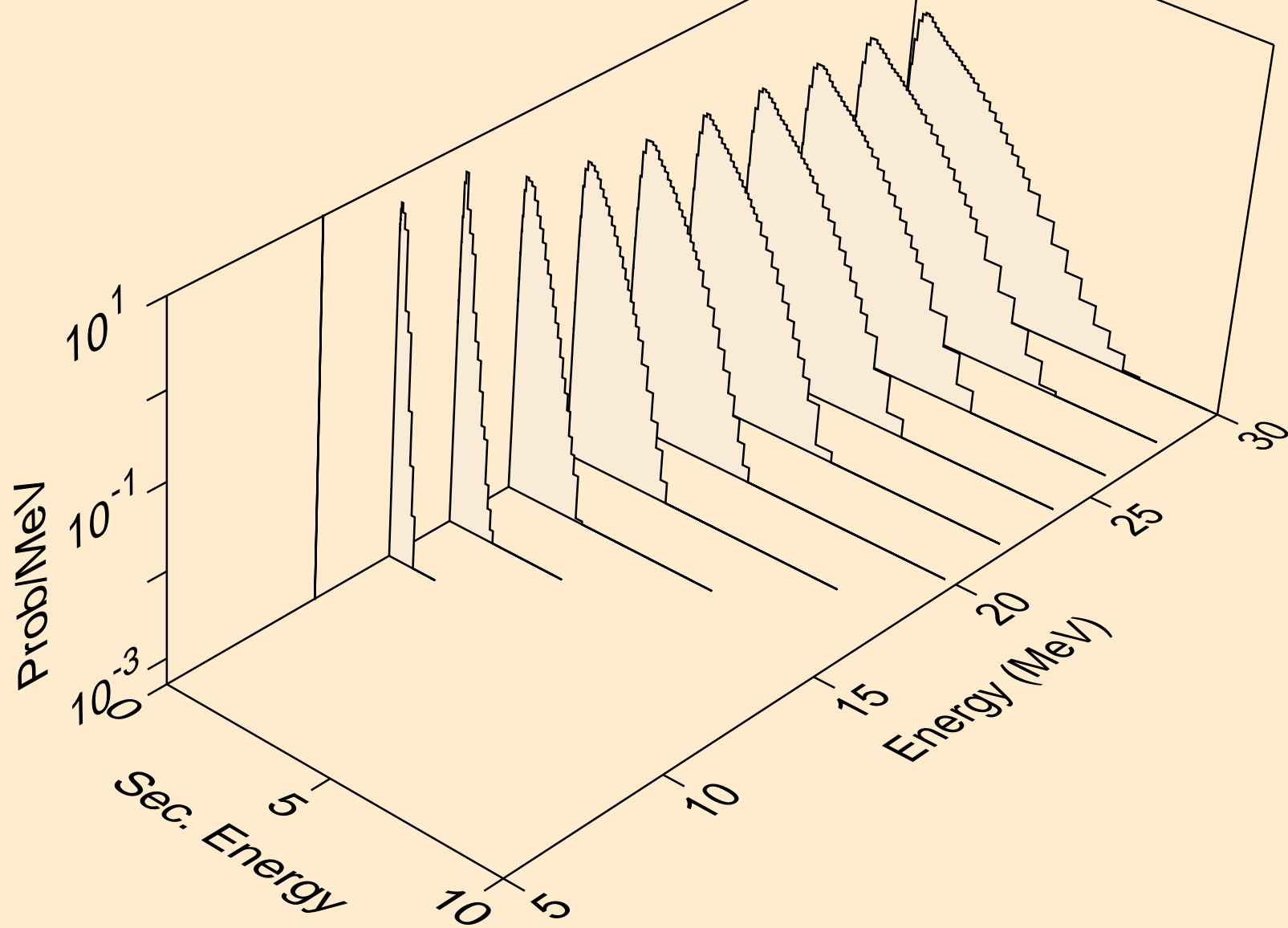
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neutrons from (s,n\*)he3



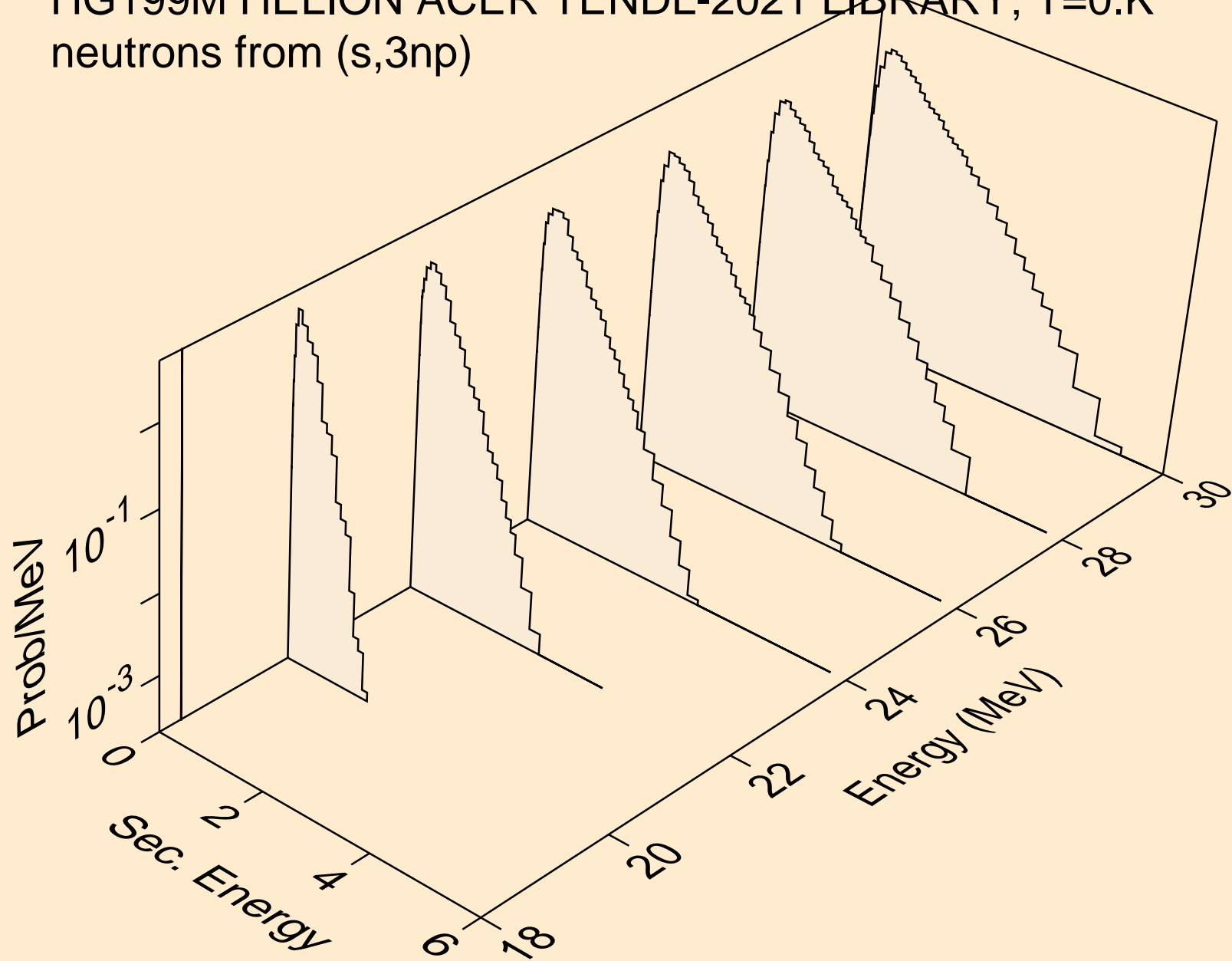
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neutrons from (s,4n)



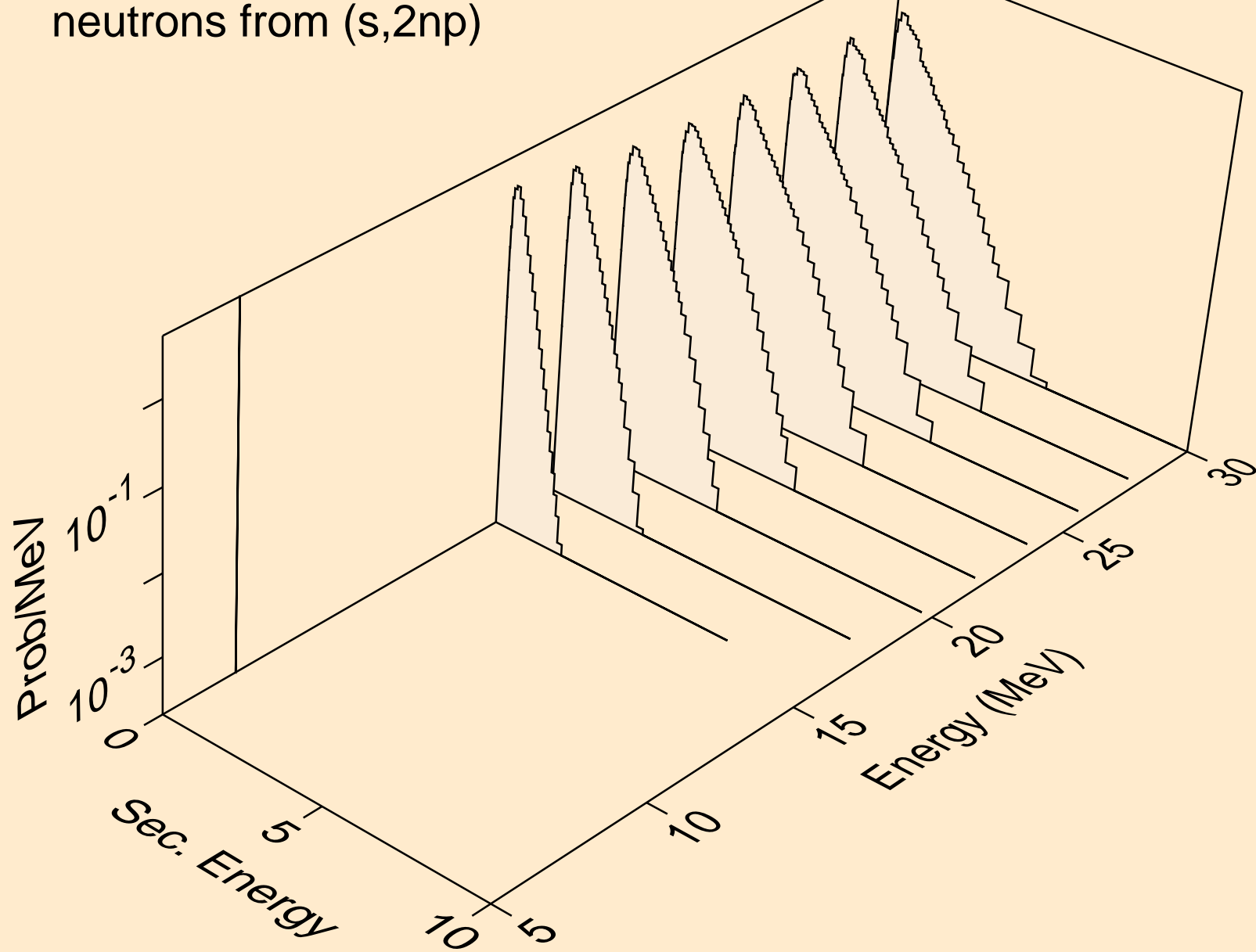
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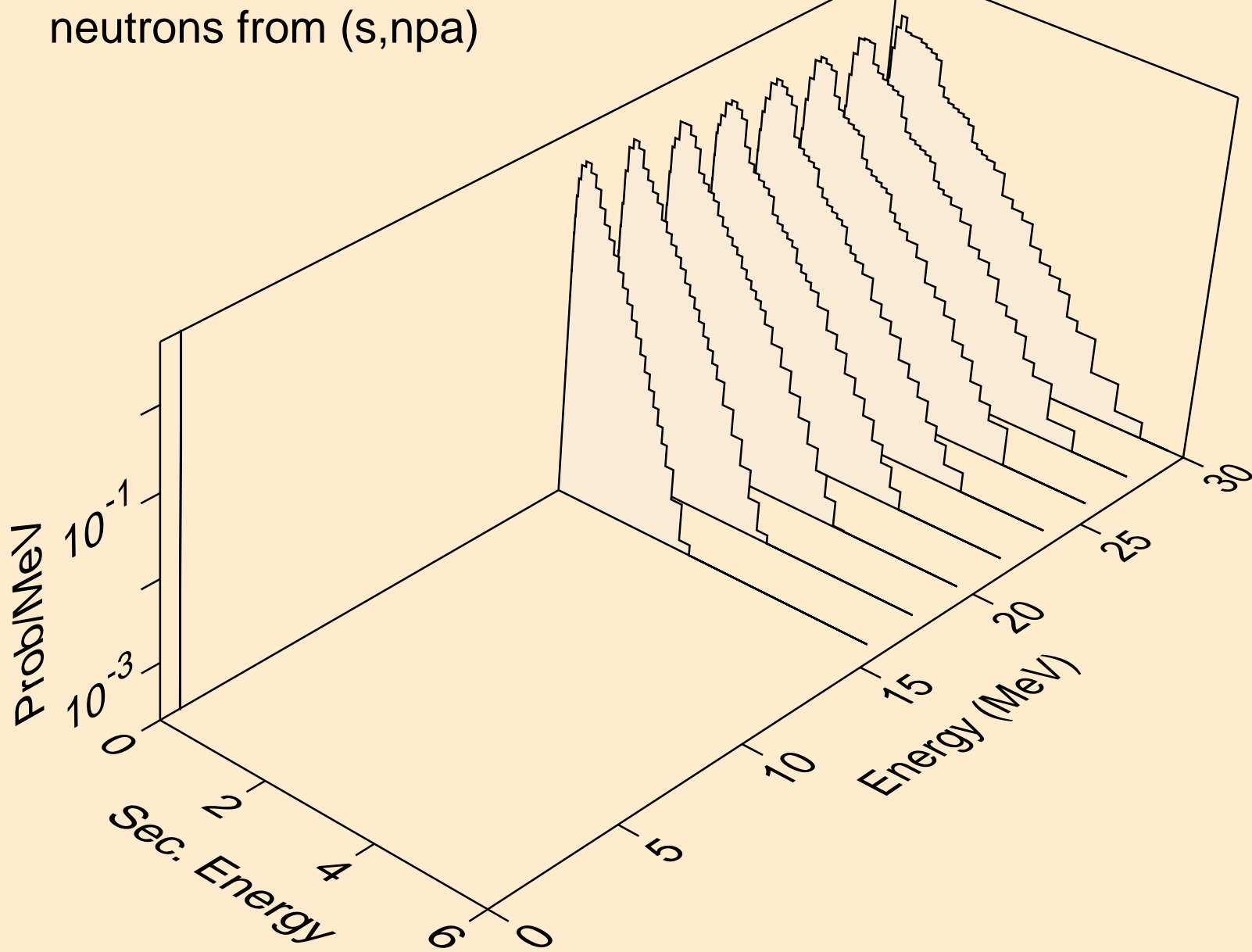
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neutrons from (s,3np)



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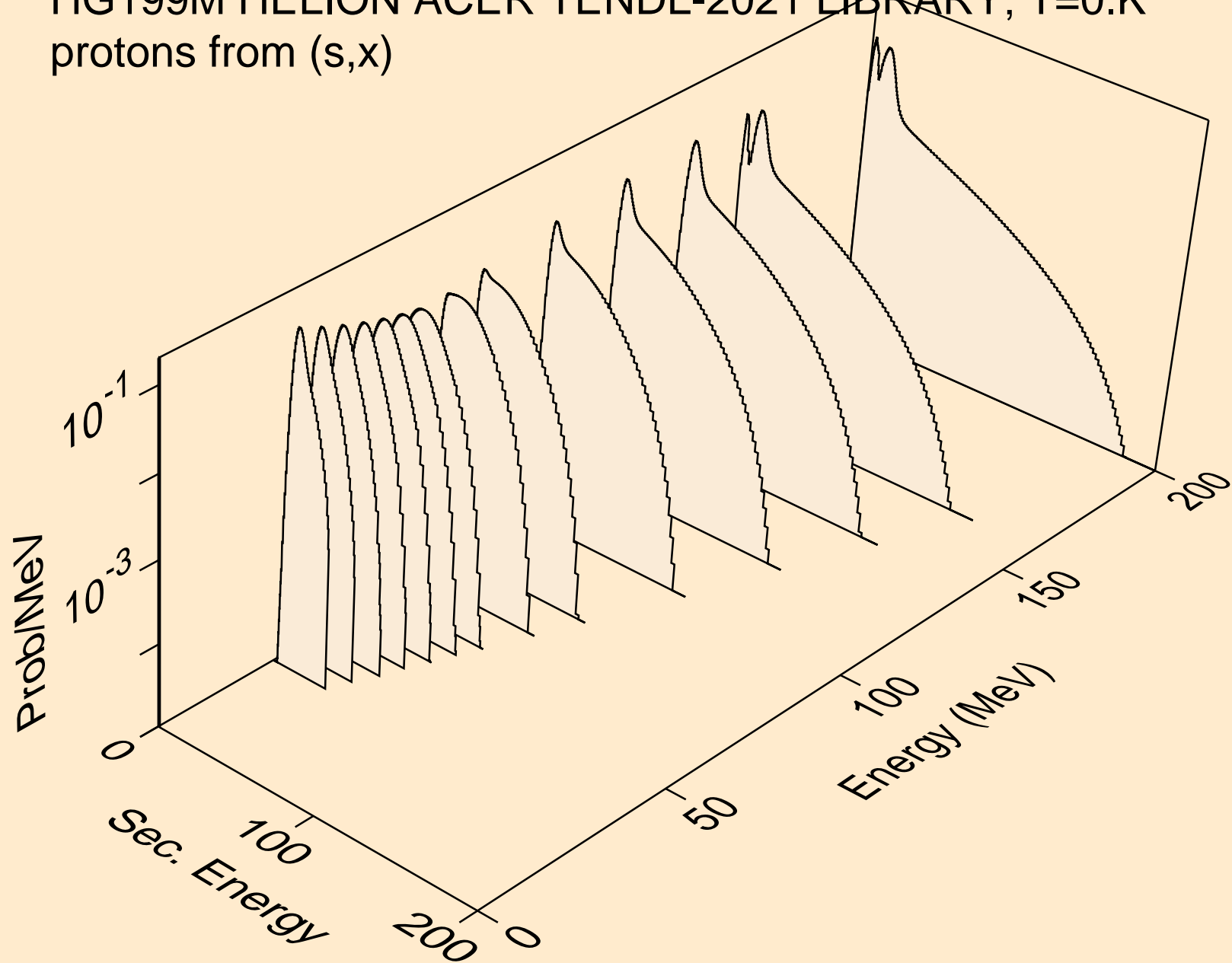


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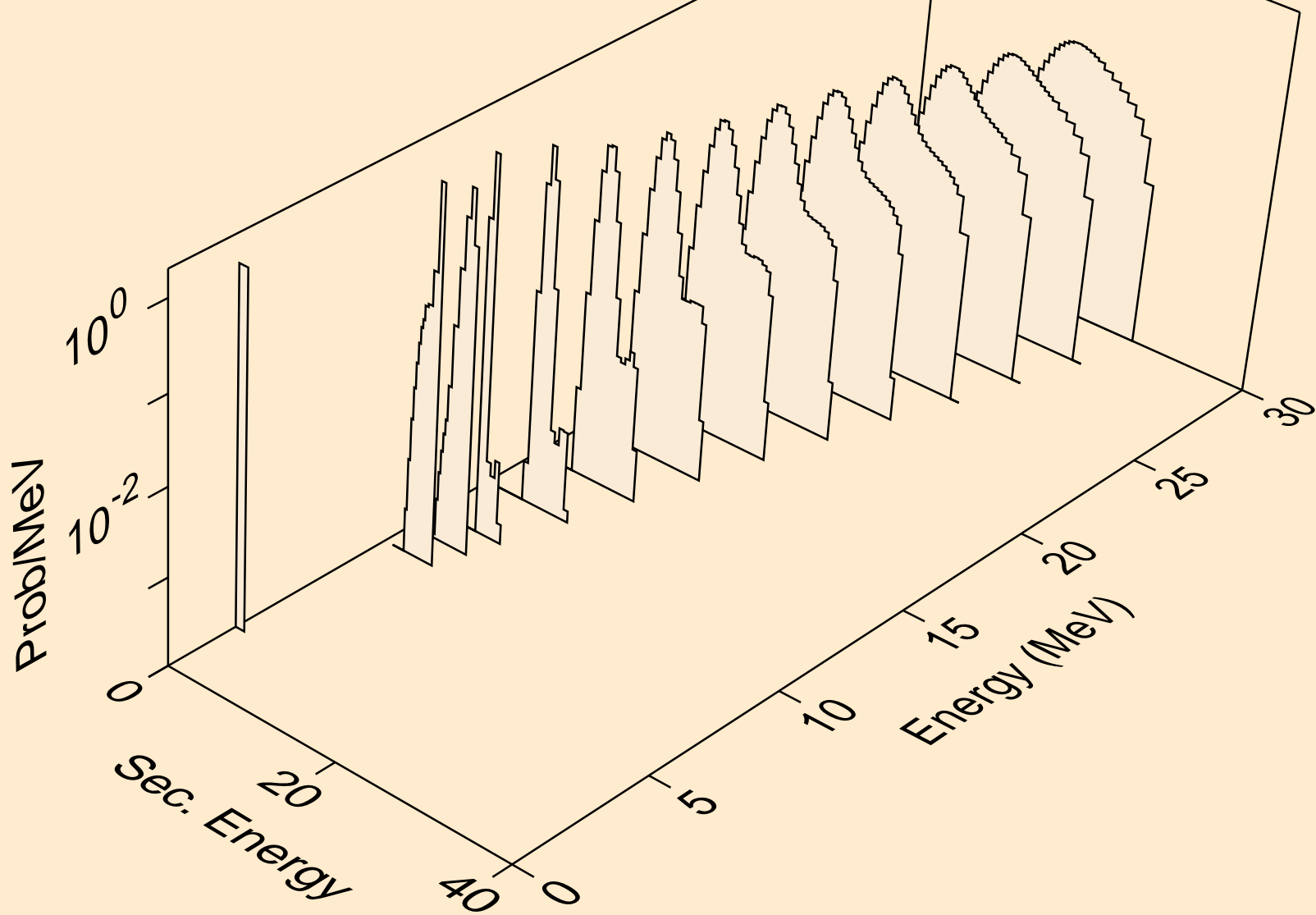




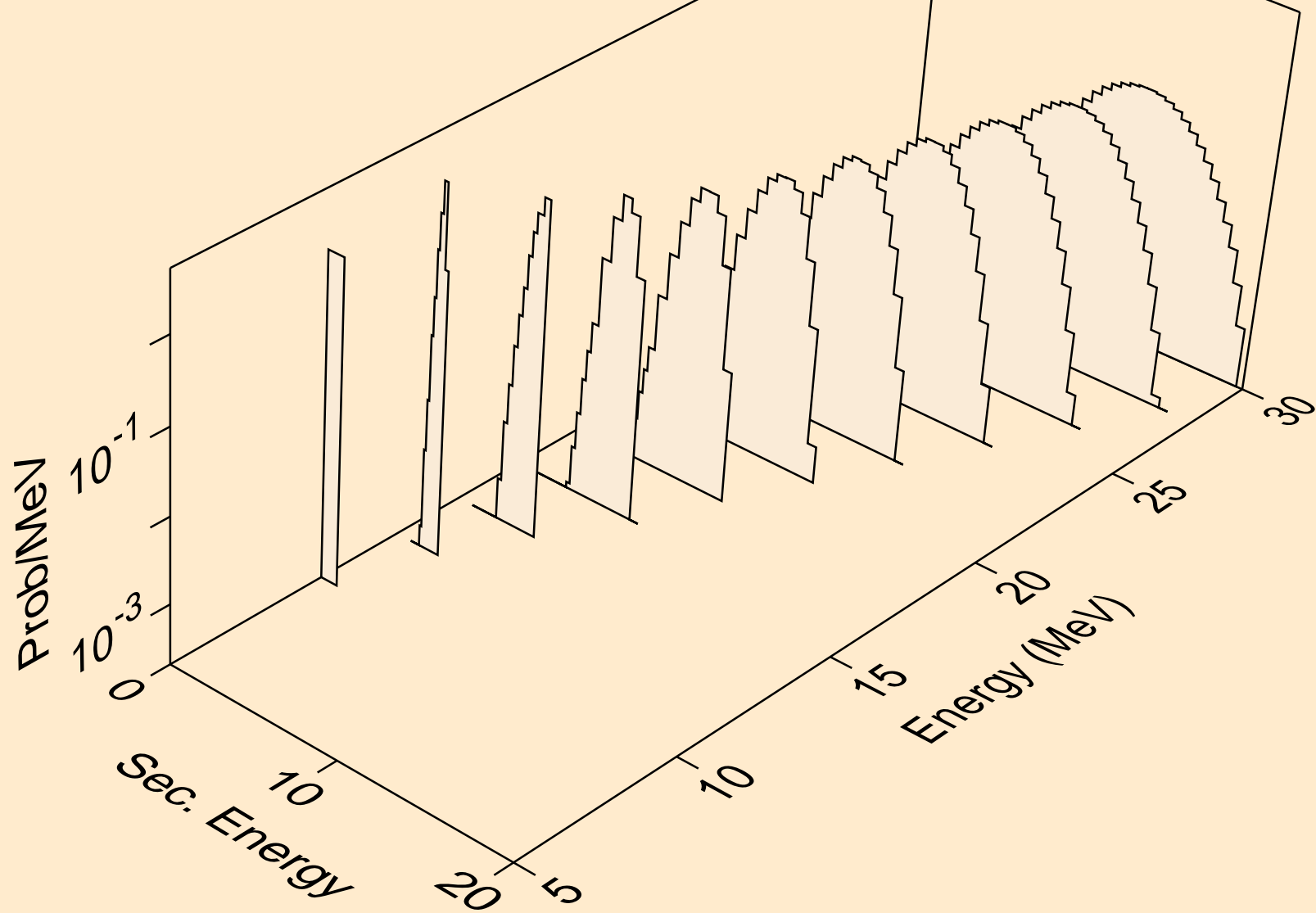
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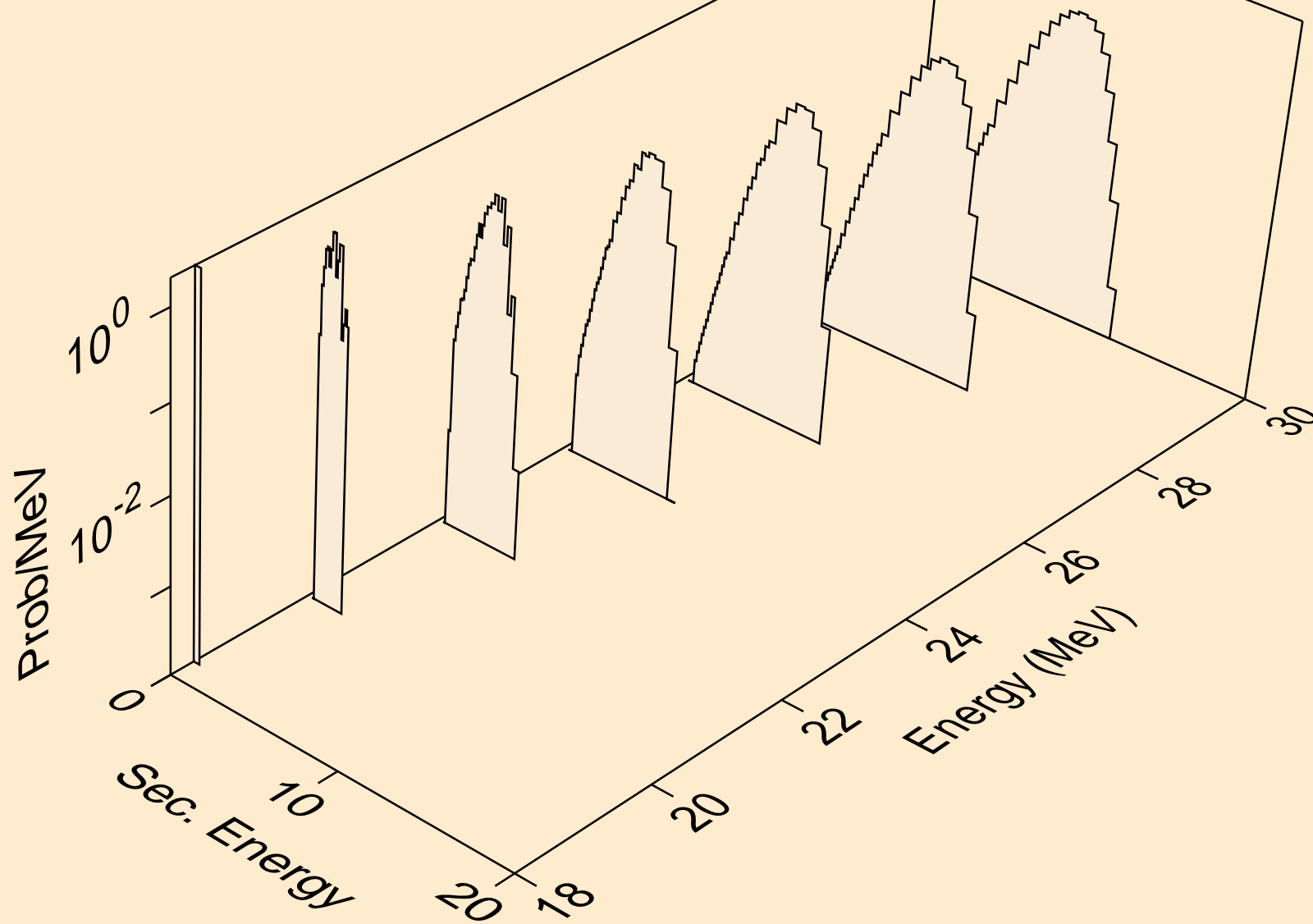
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protons from (s,n\*)p



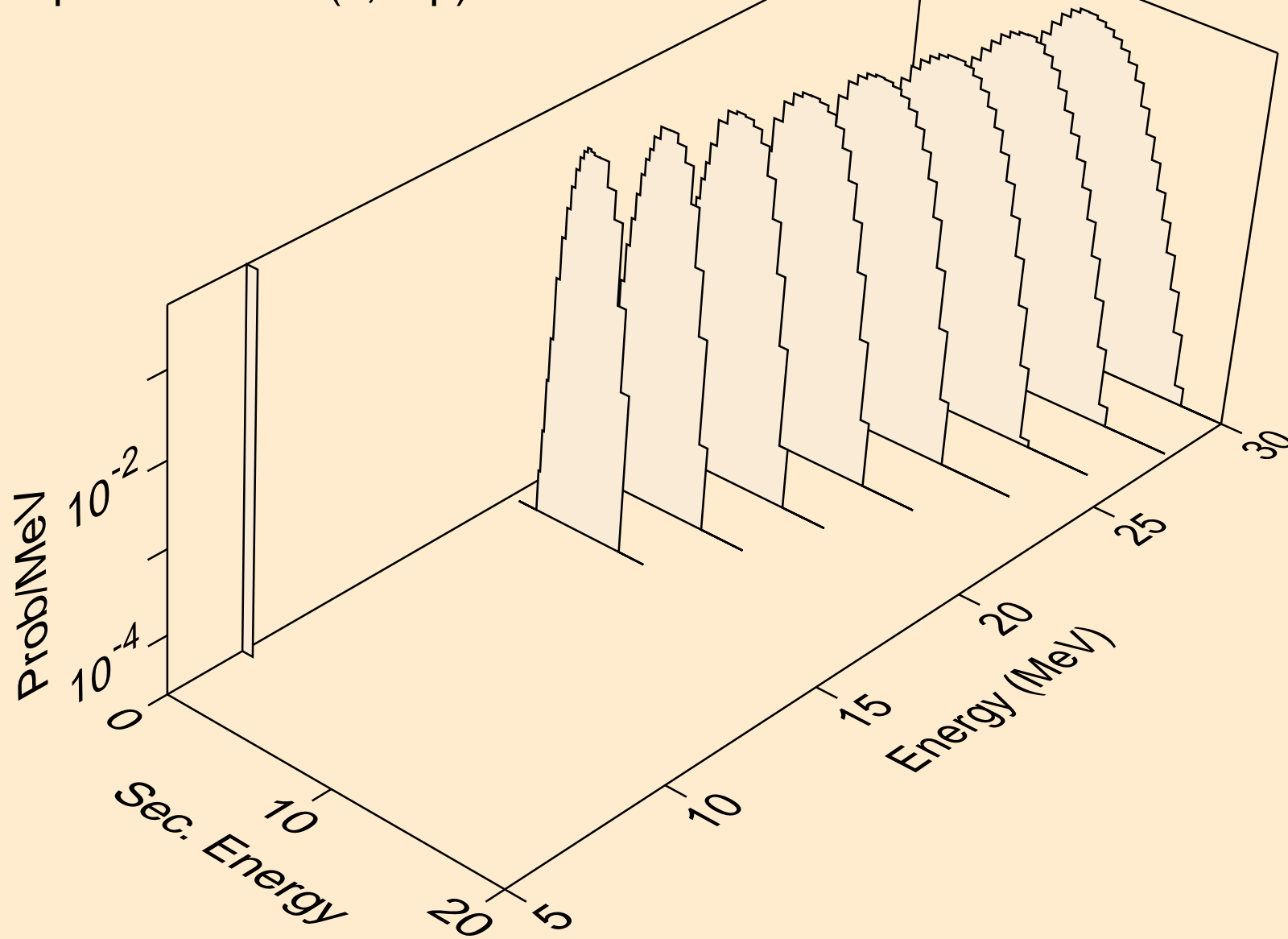
HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,2np)



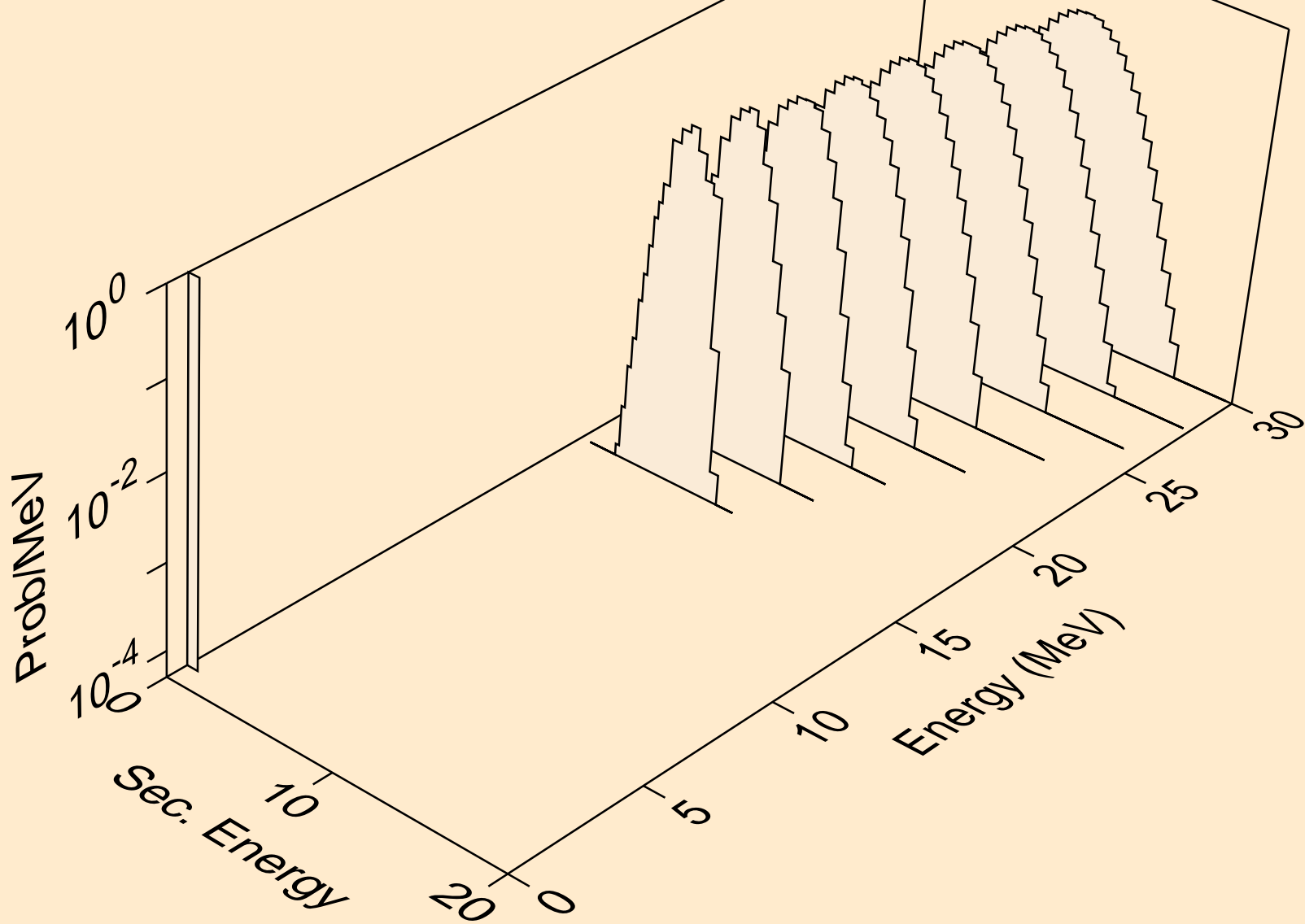
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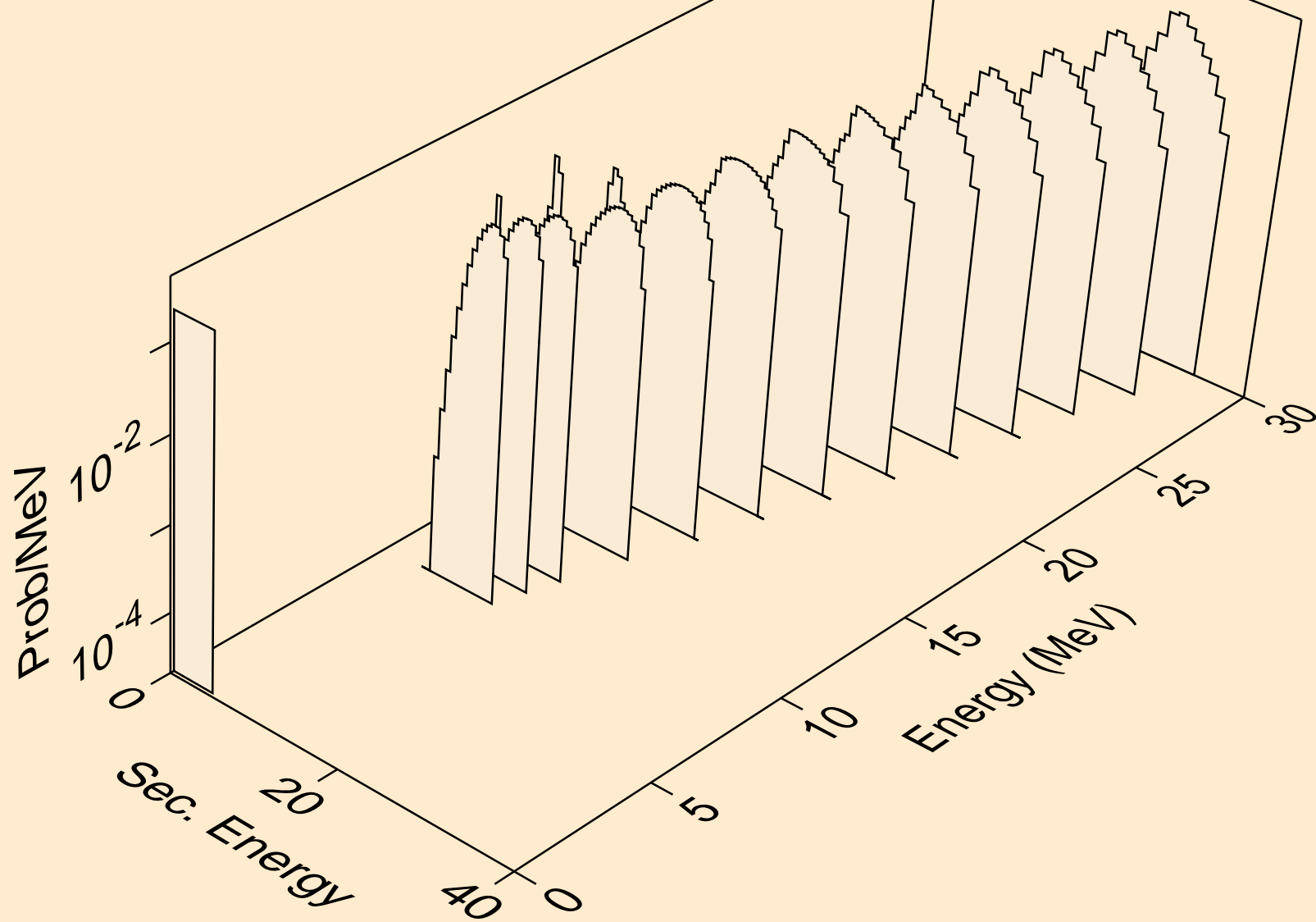
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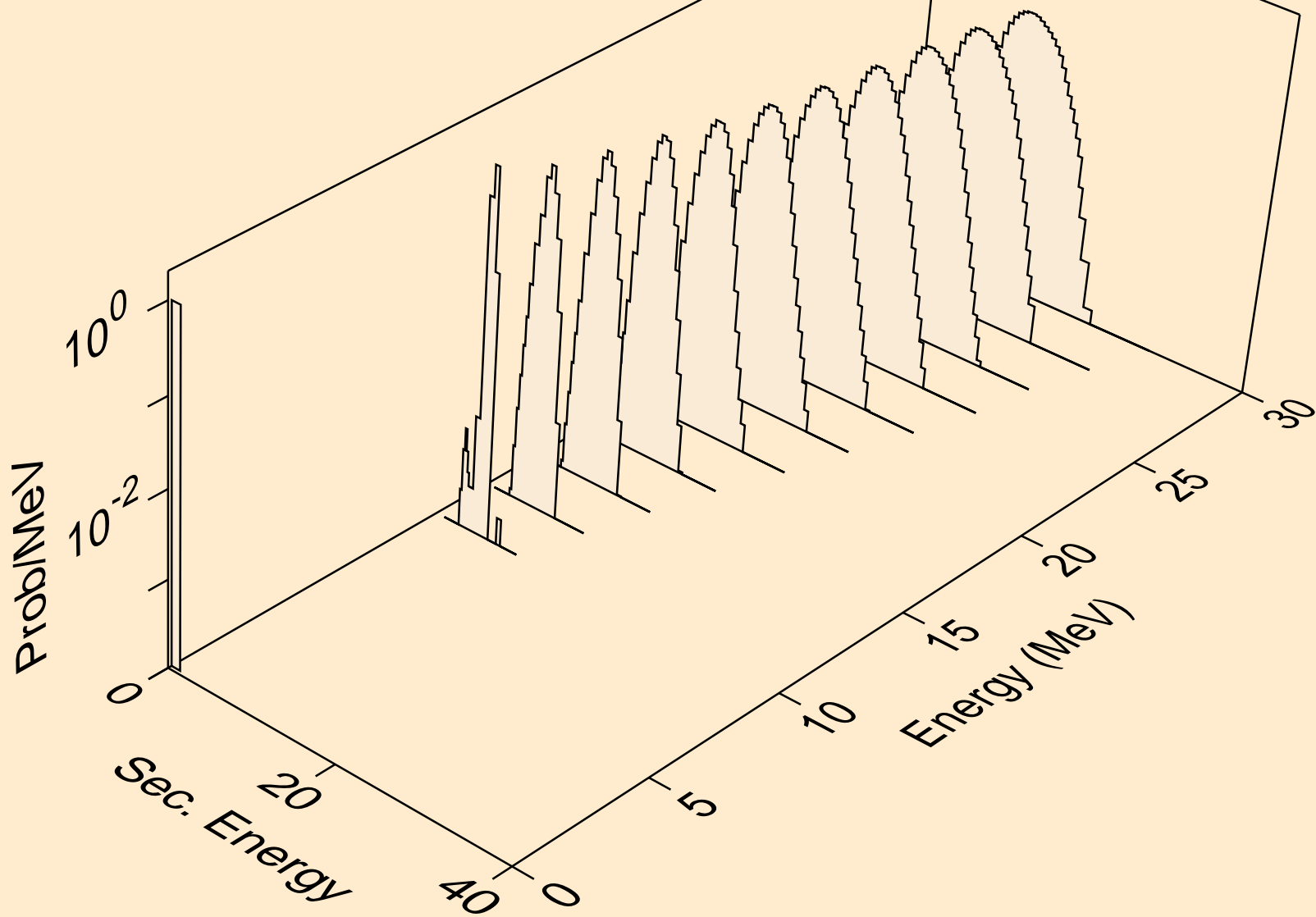
HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,npa)



HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,p)

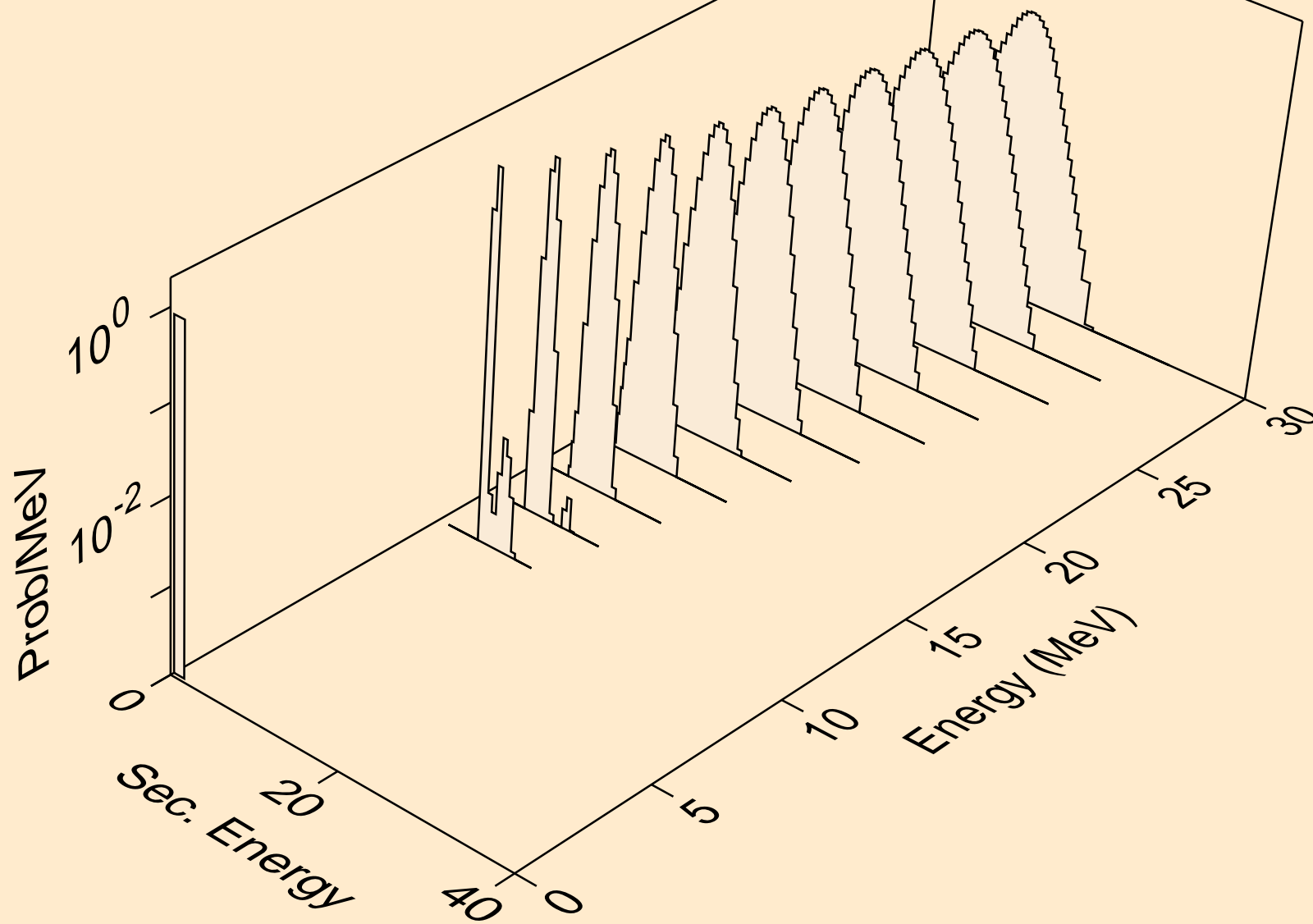


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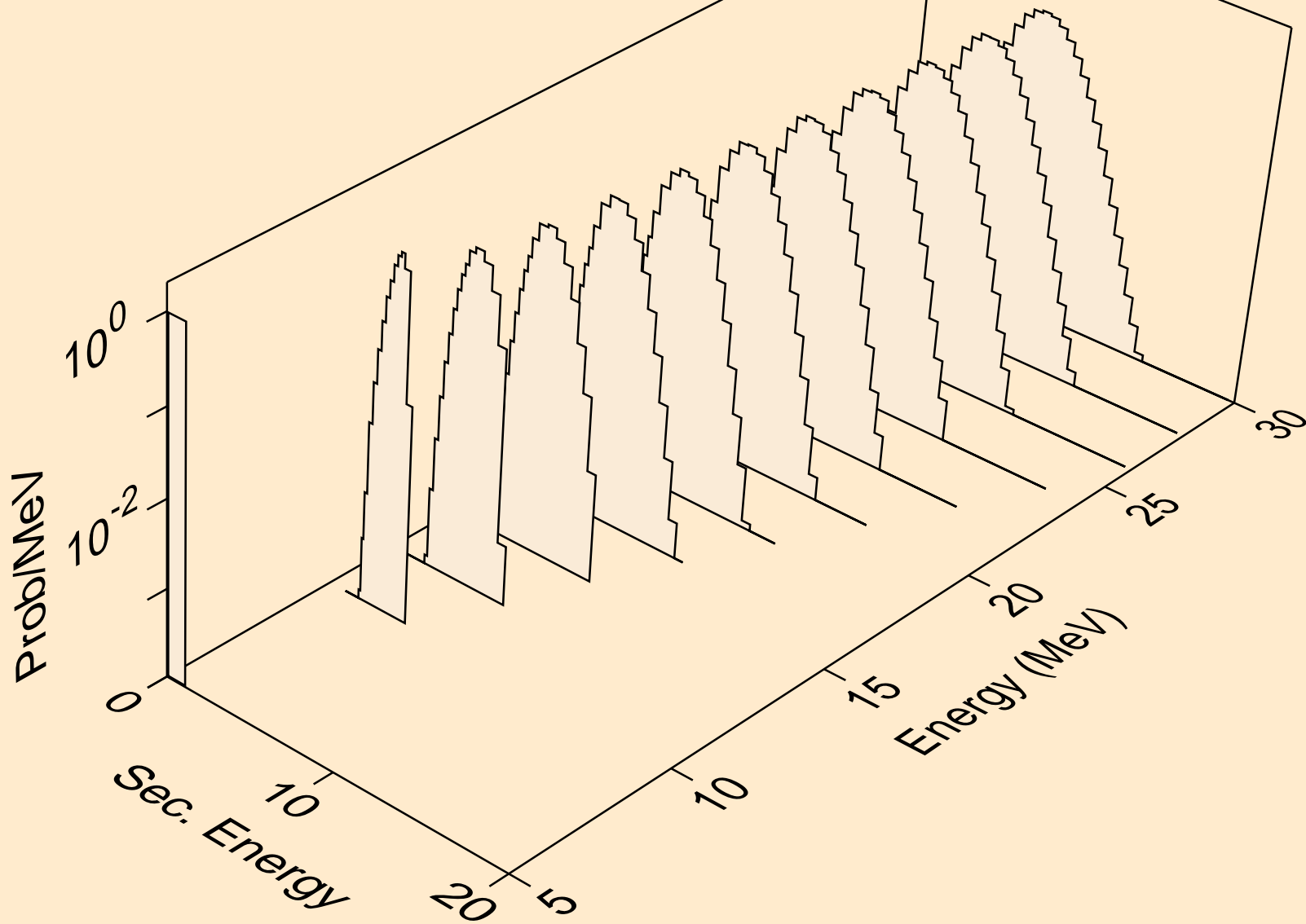




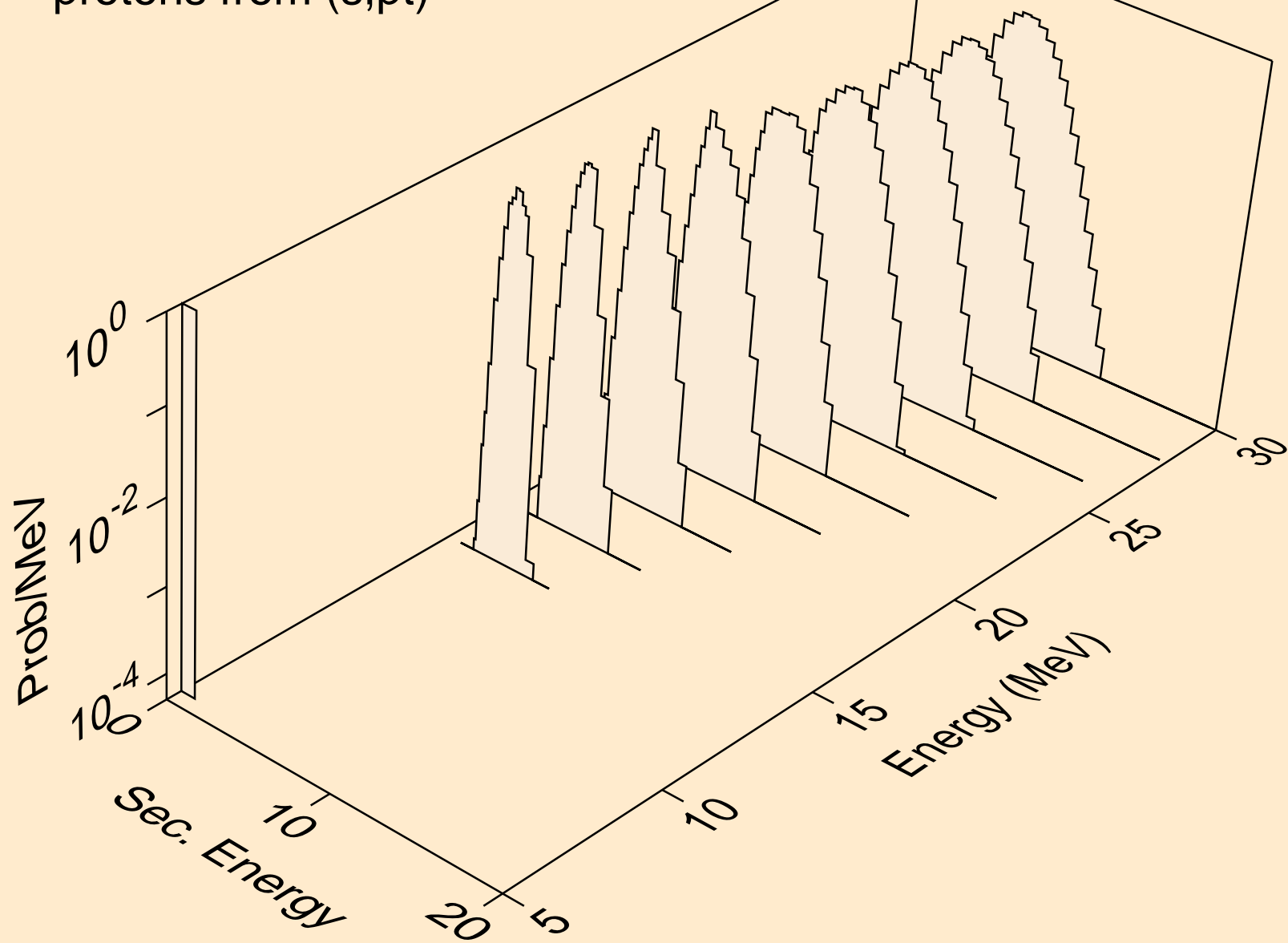
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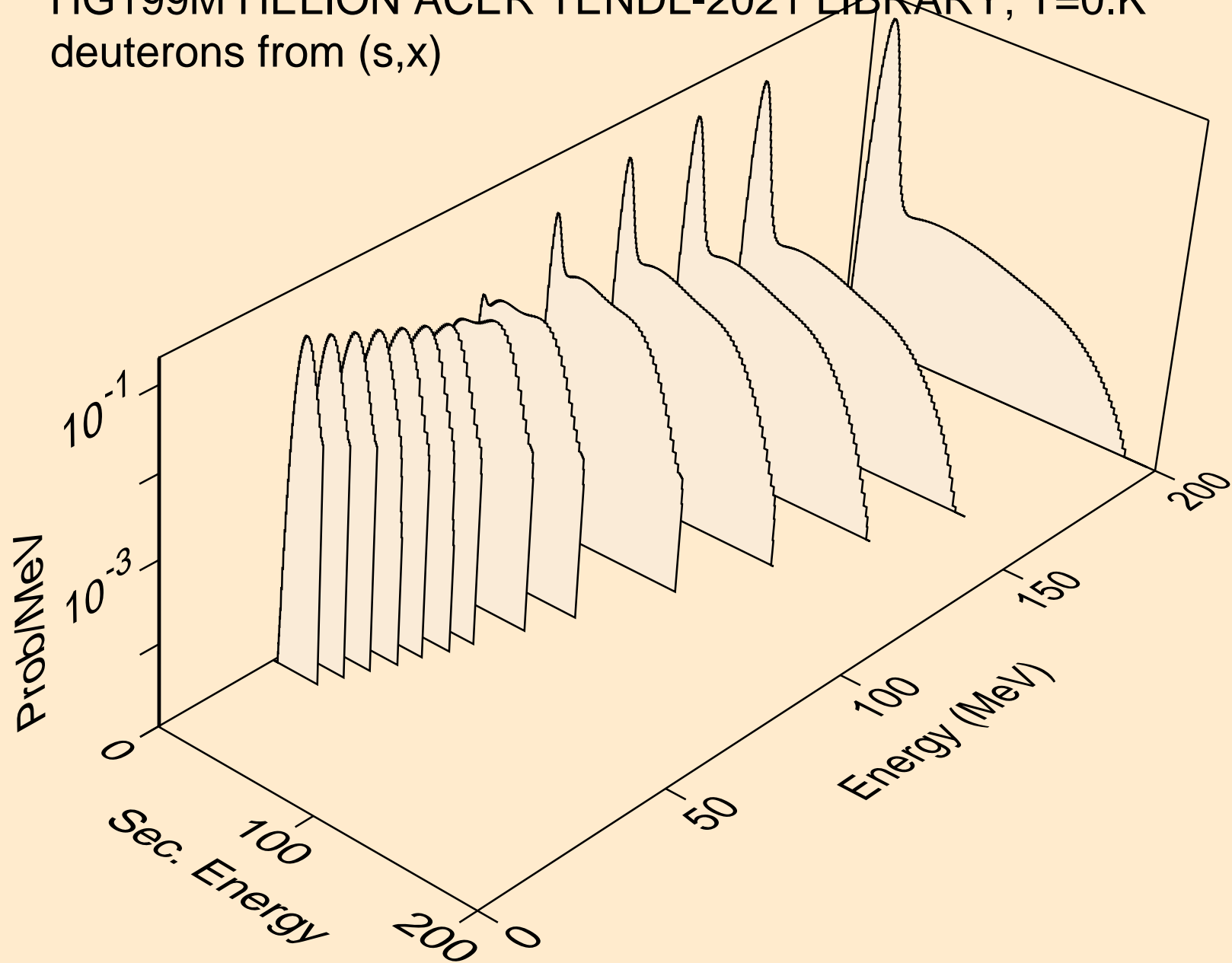
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protons from (s,pd)



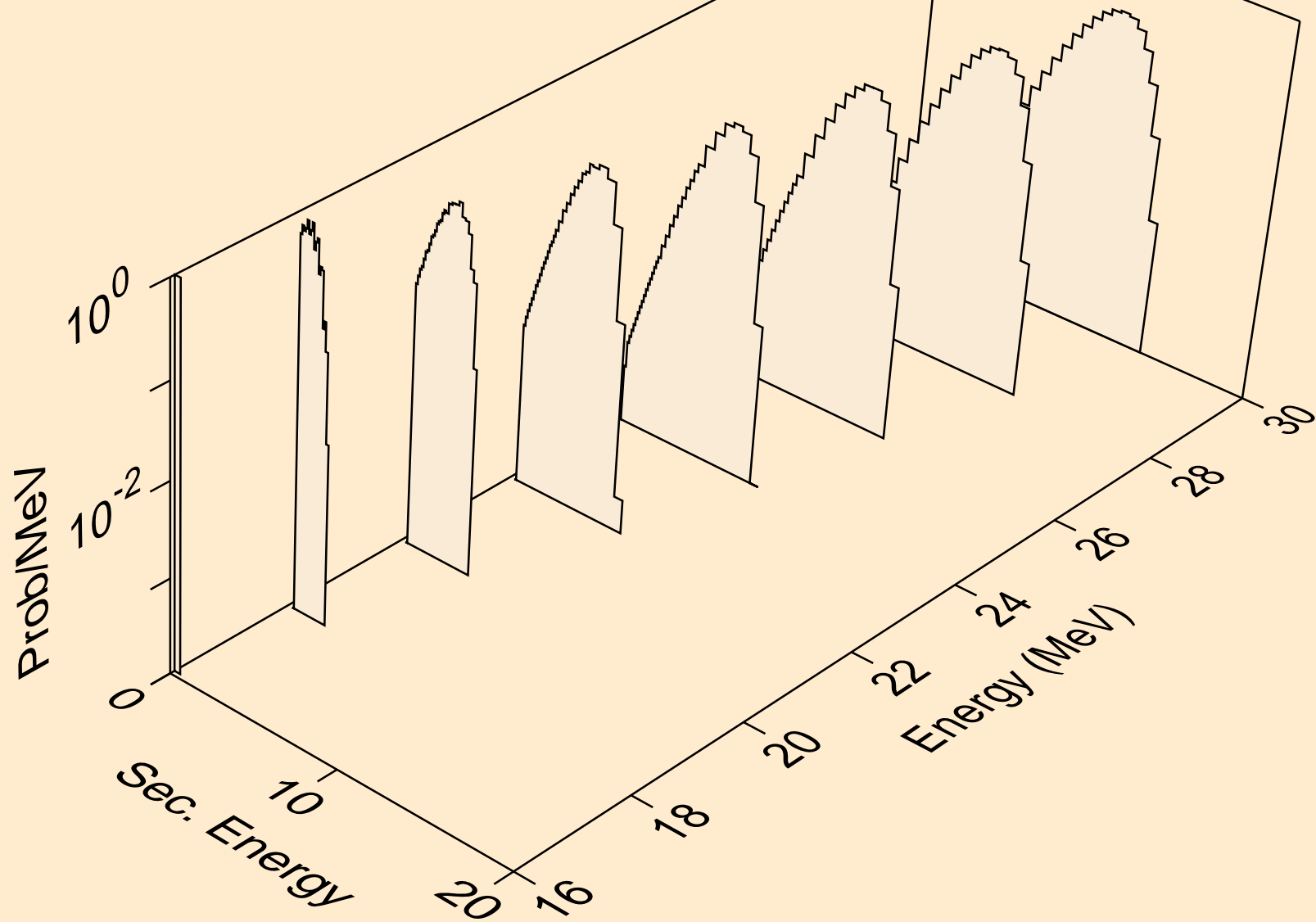
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protons from (s,pt)



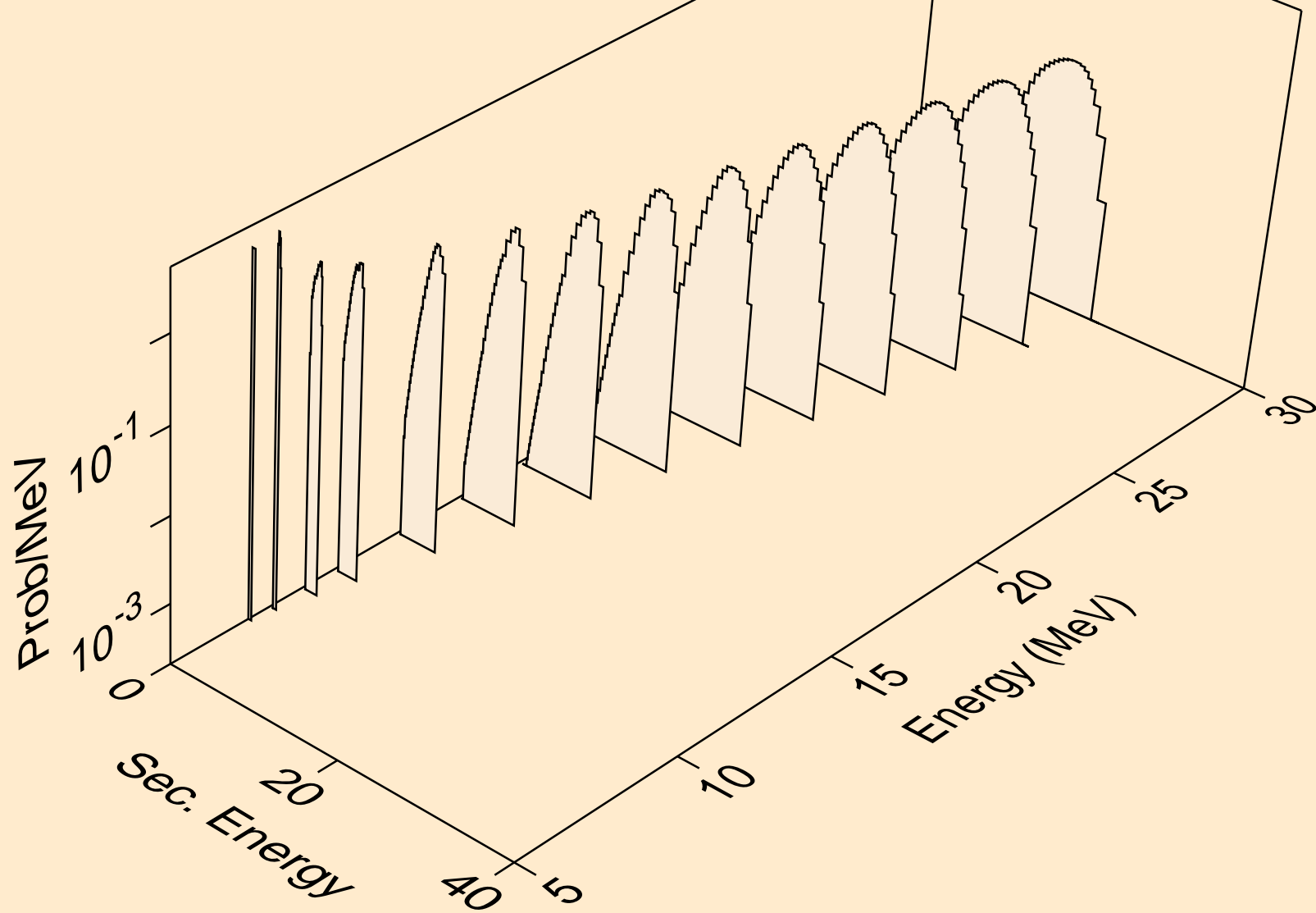
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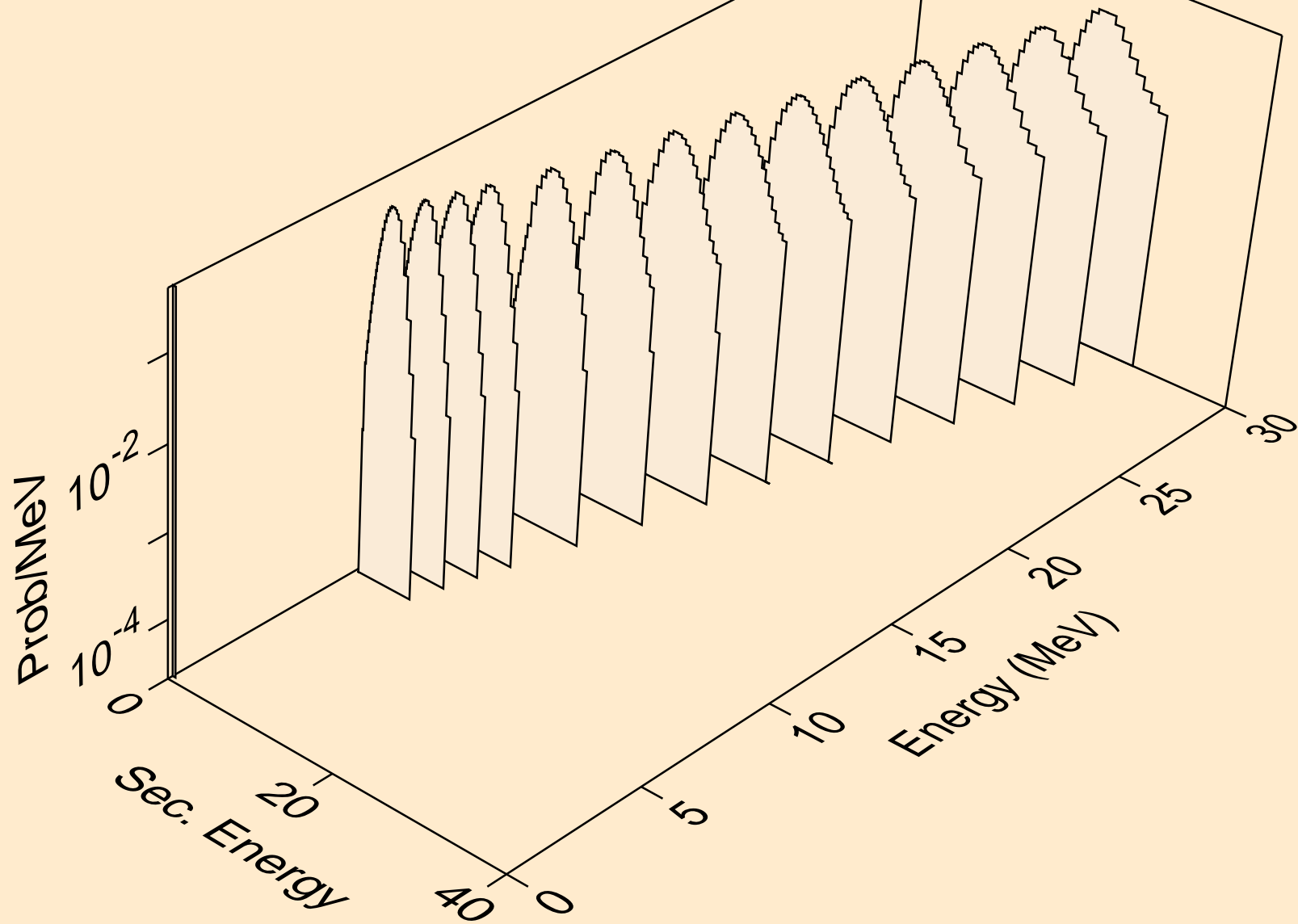
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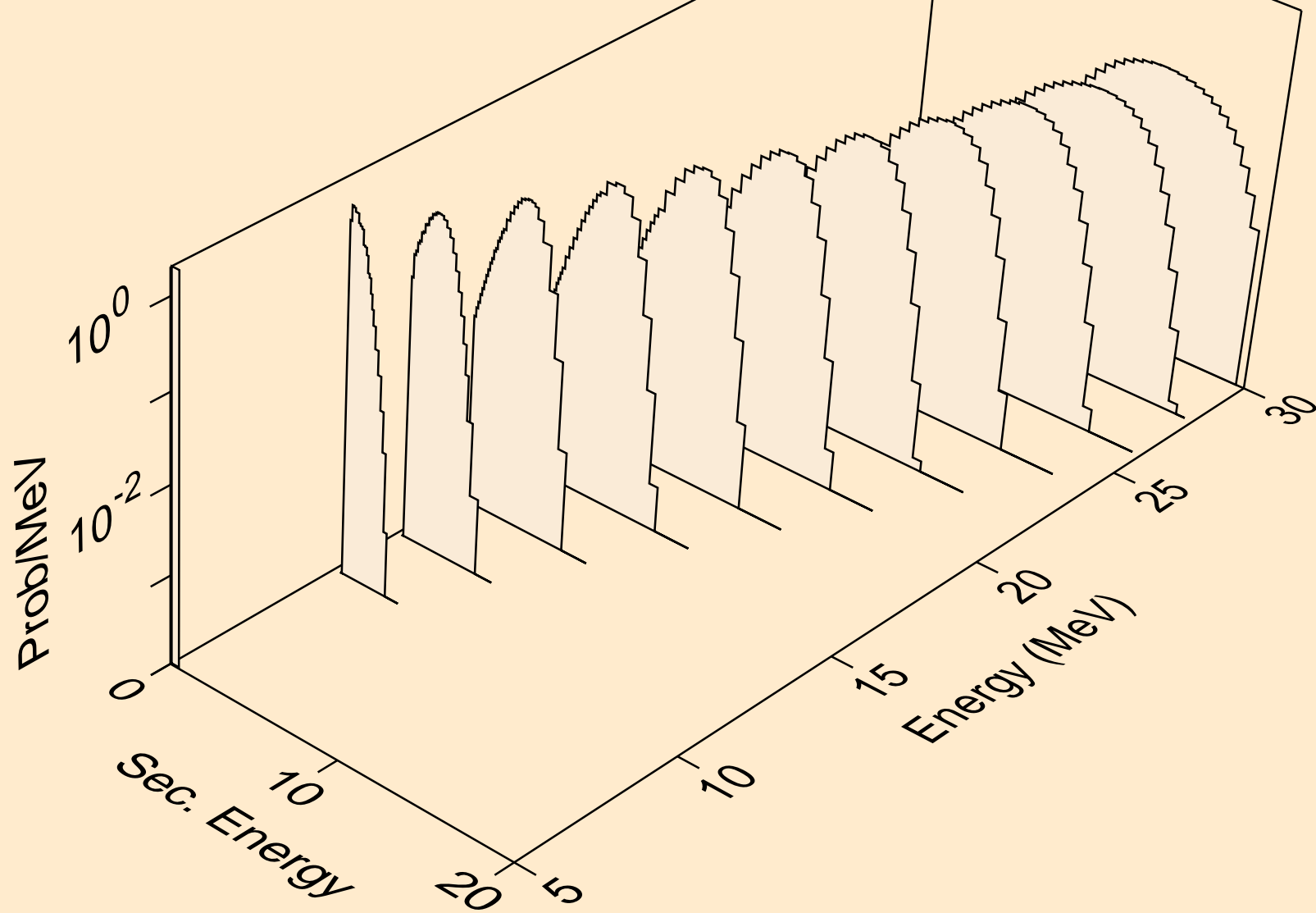
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deuterons from (s,n\*)d



HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,d)

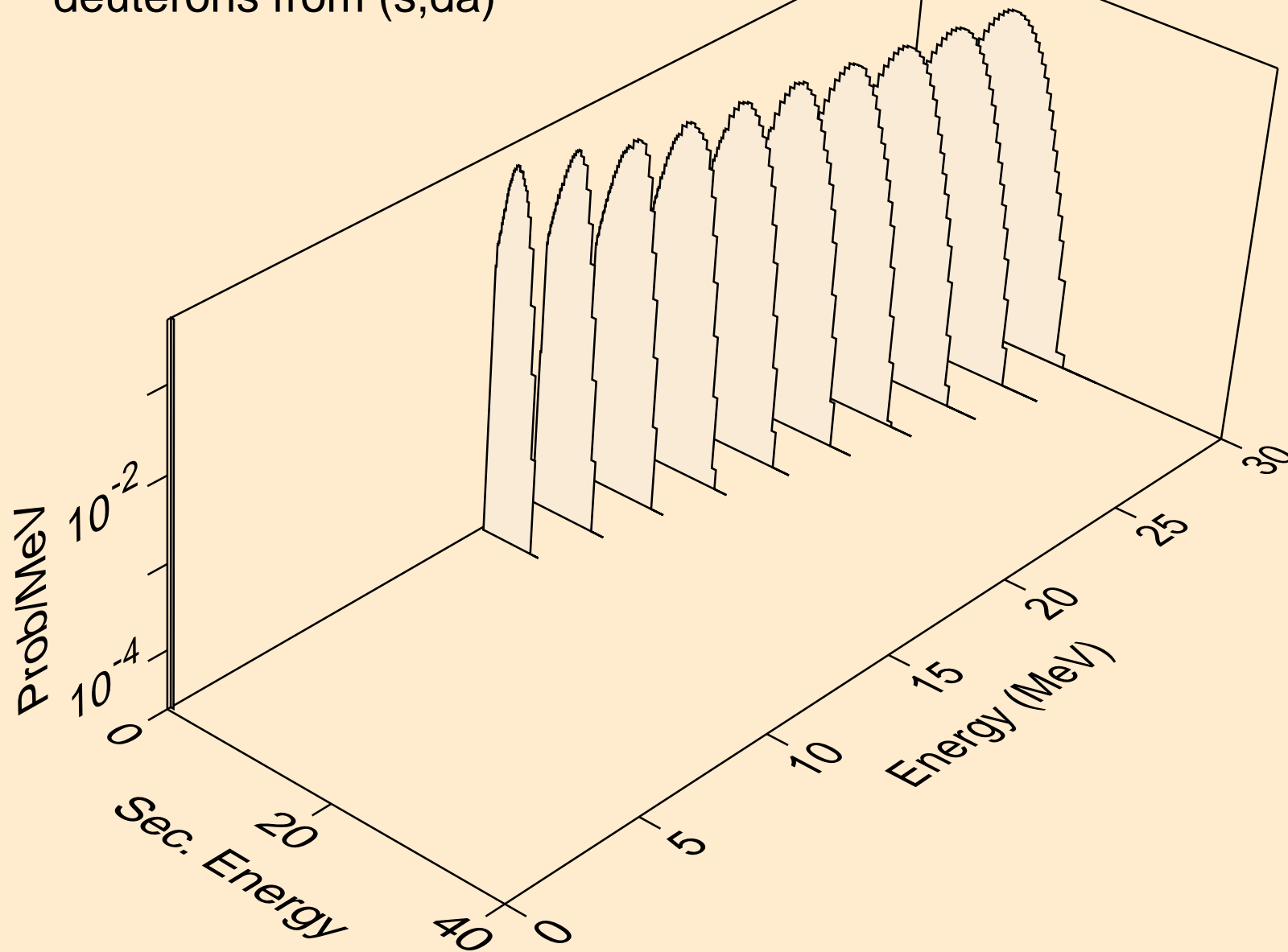


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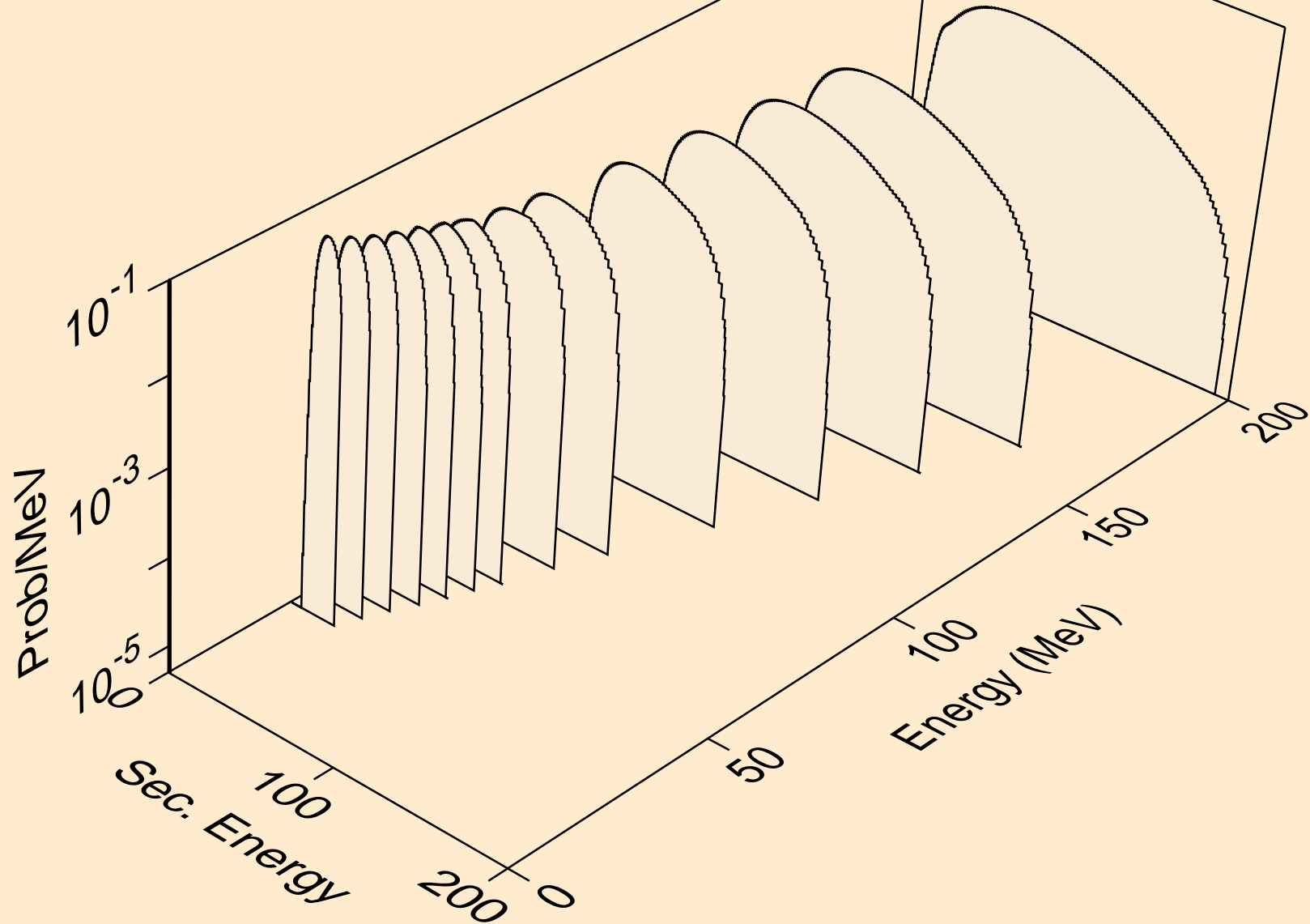




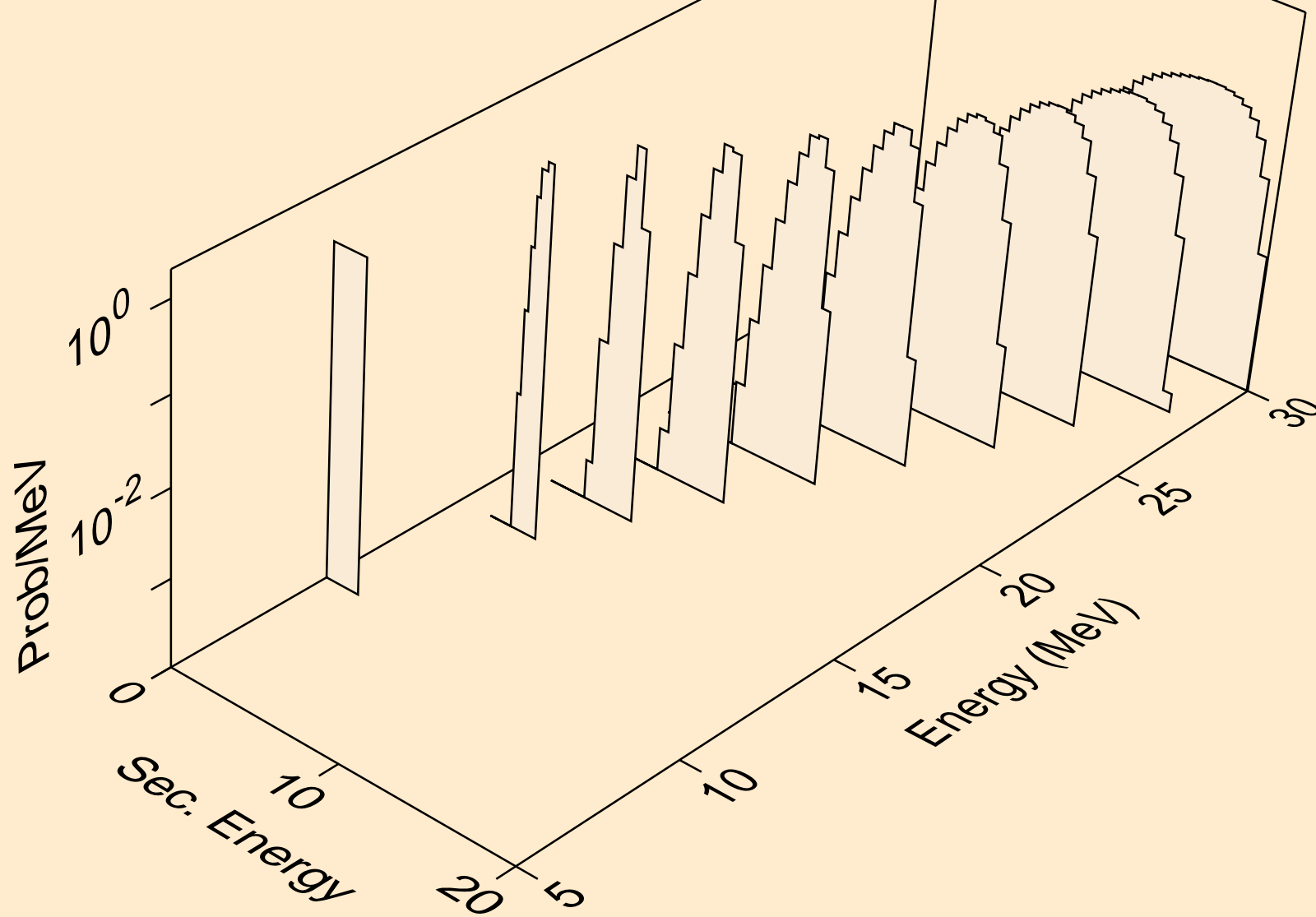
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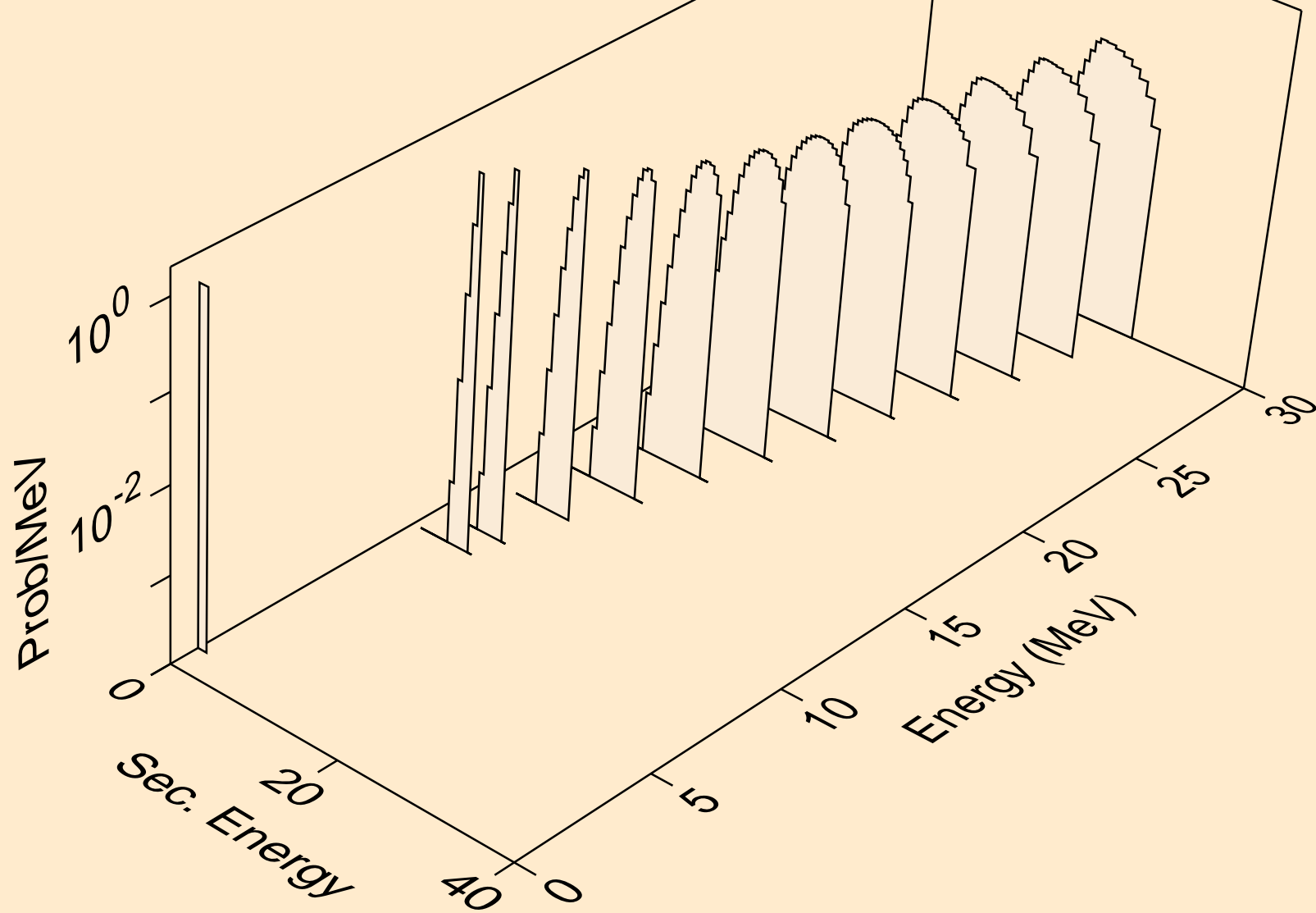
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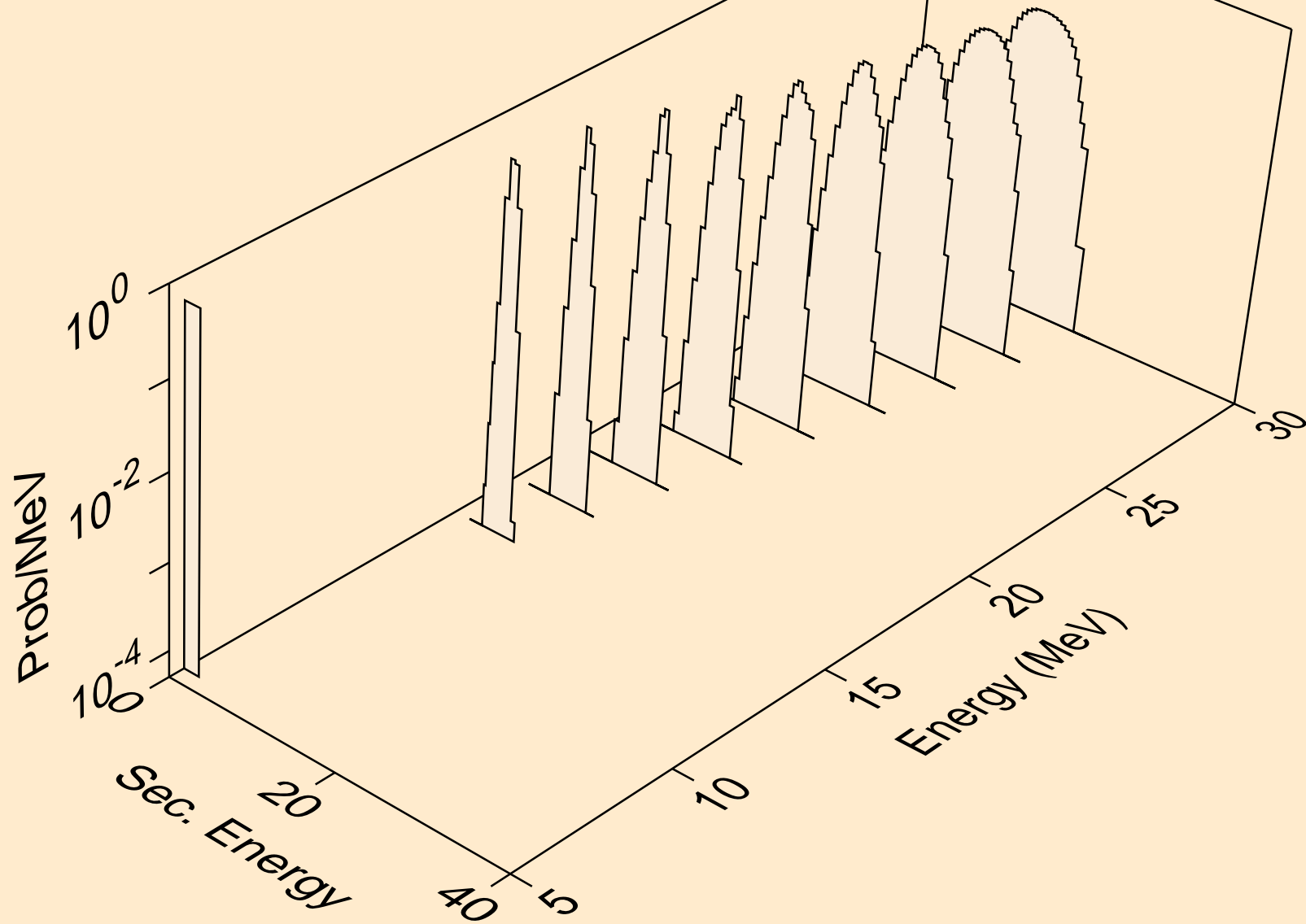
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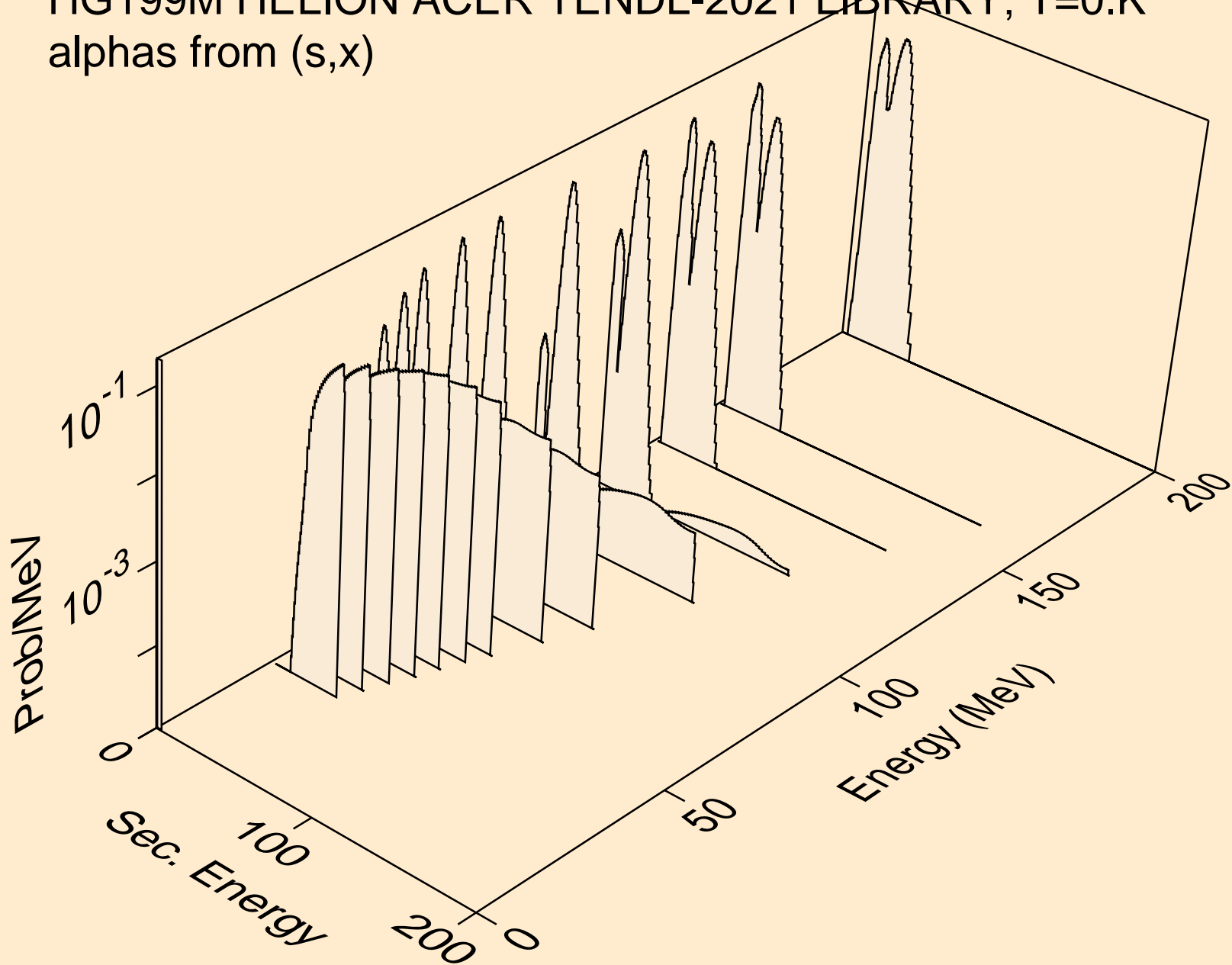
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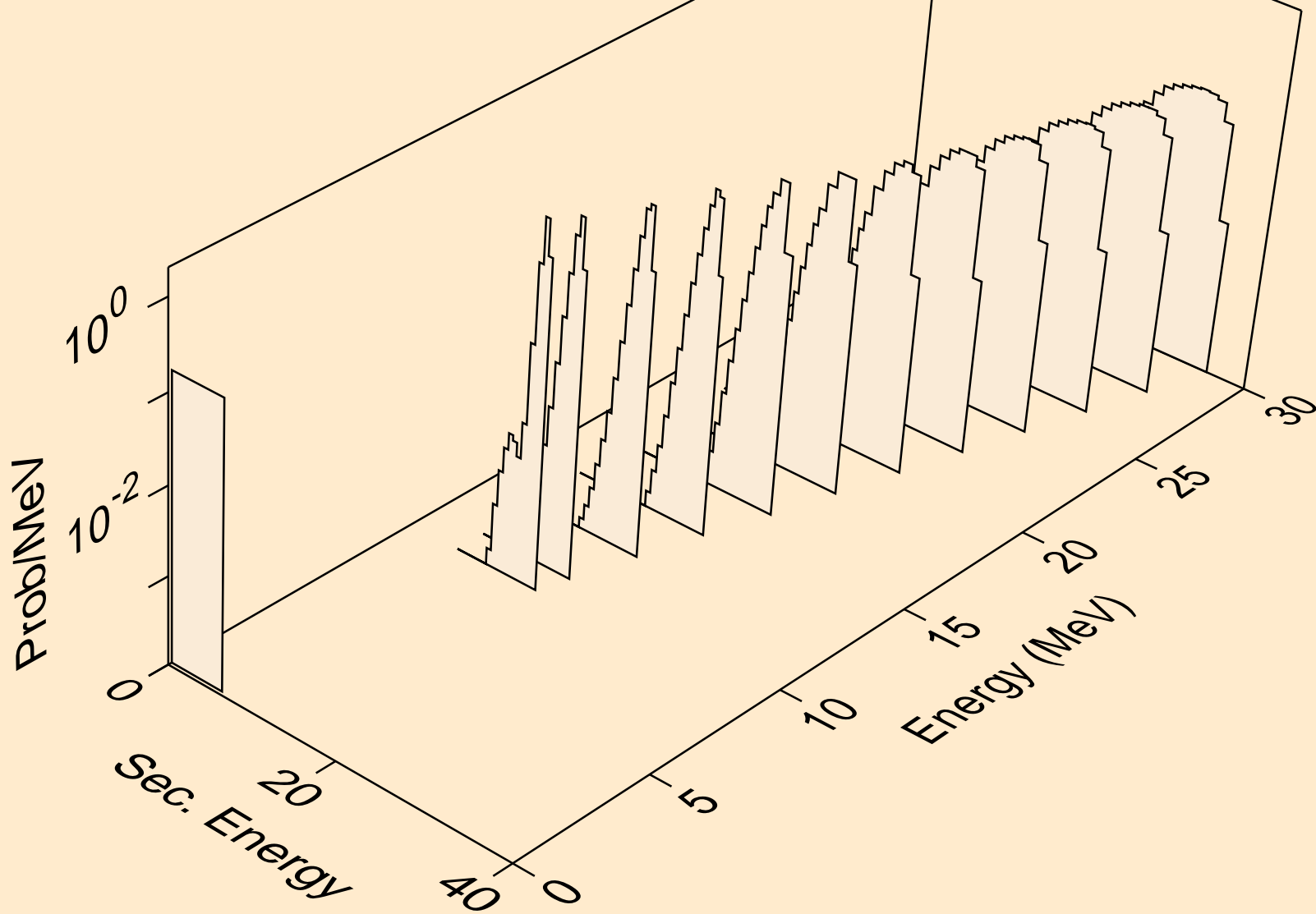
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tritons from (s,pt)



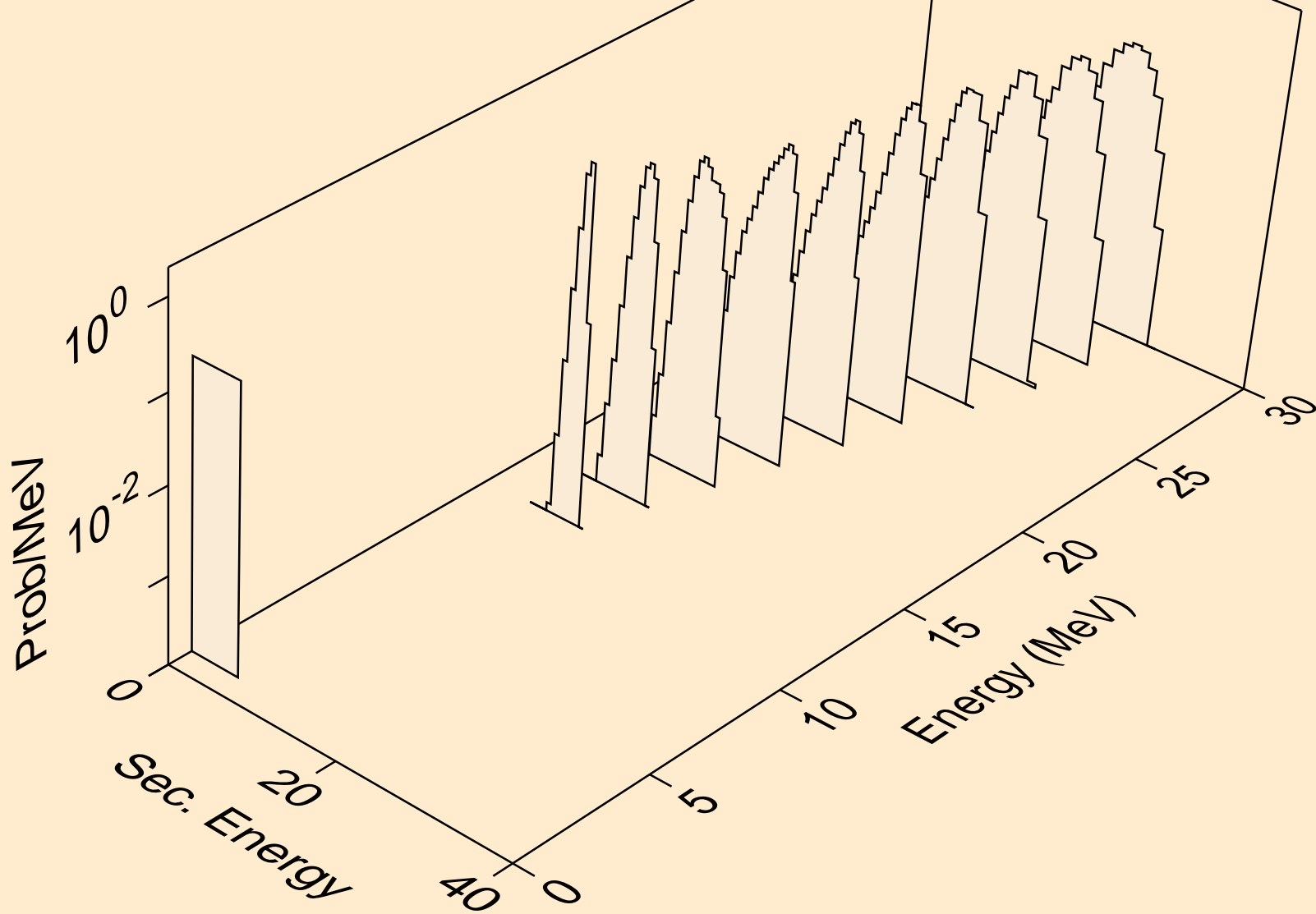
HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,x)



HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,n\*)a

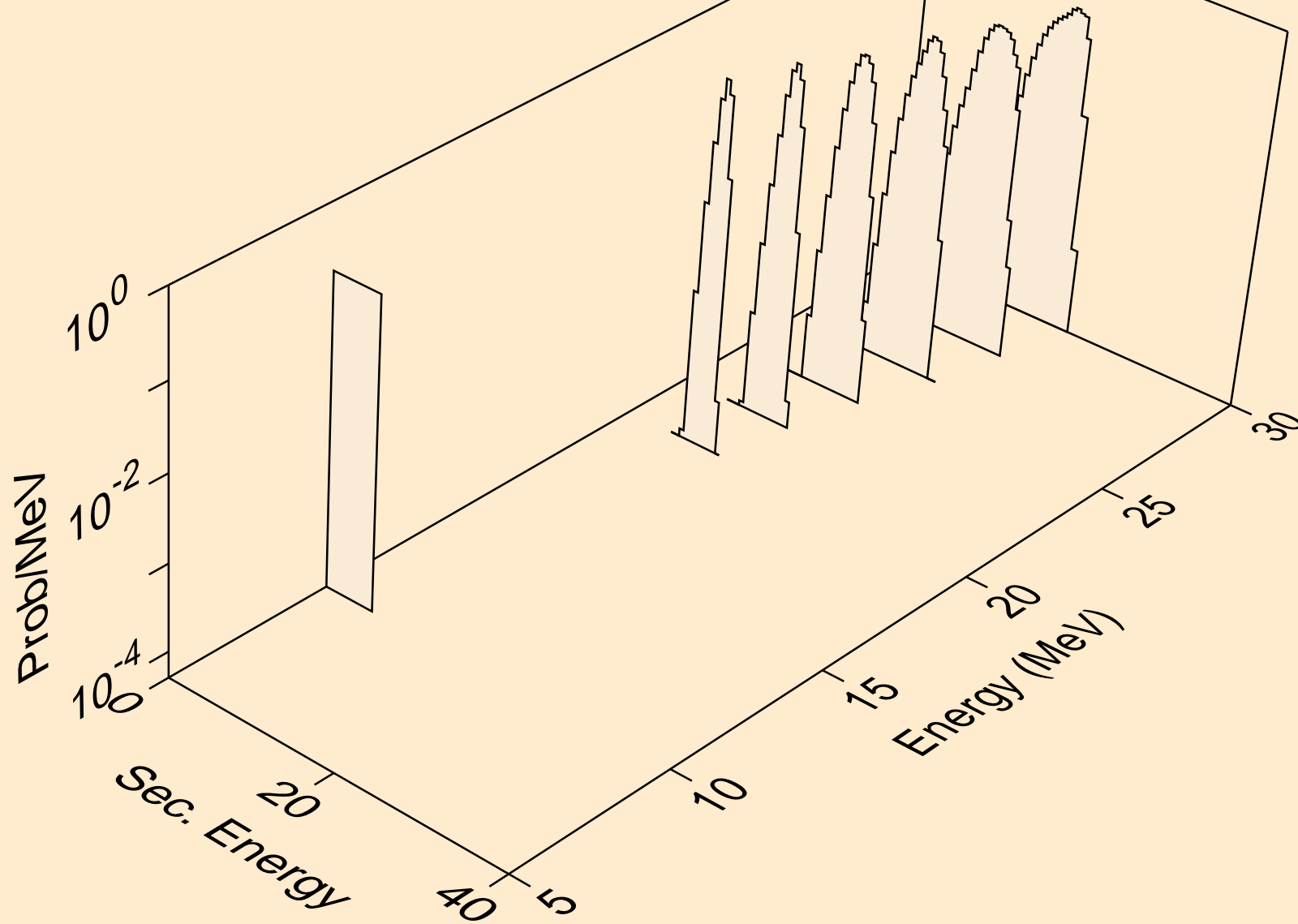


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alphas from (s,2n)a

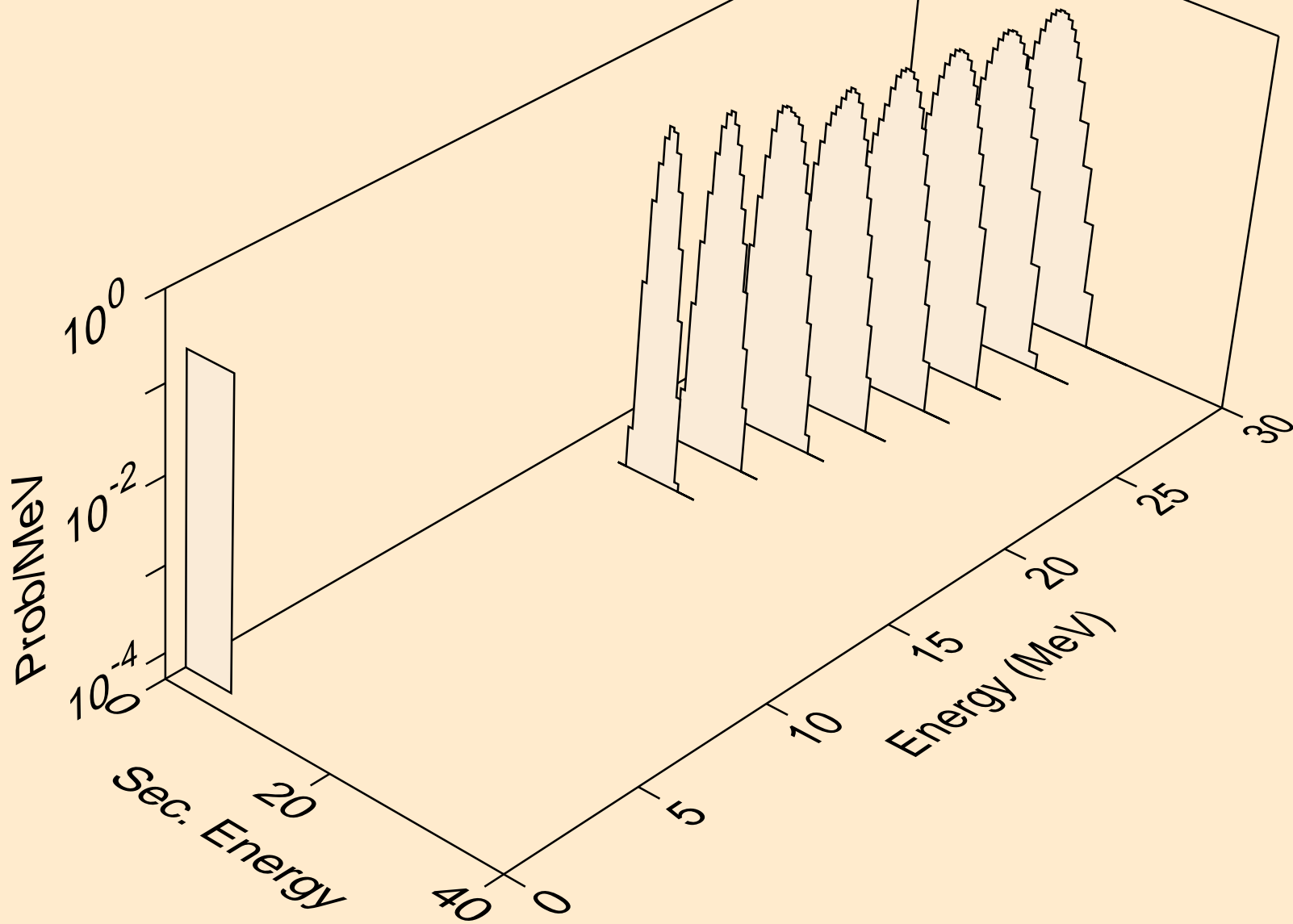




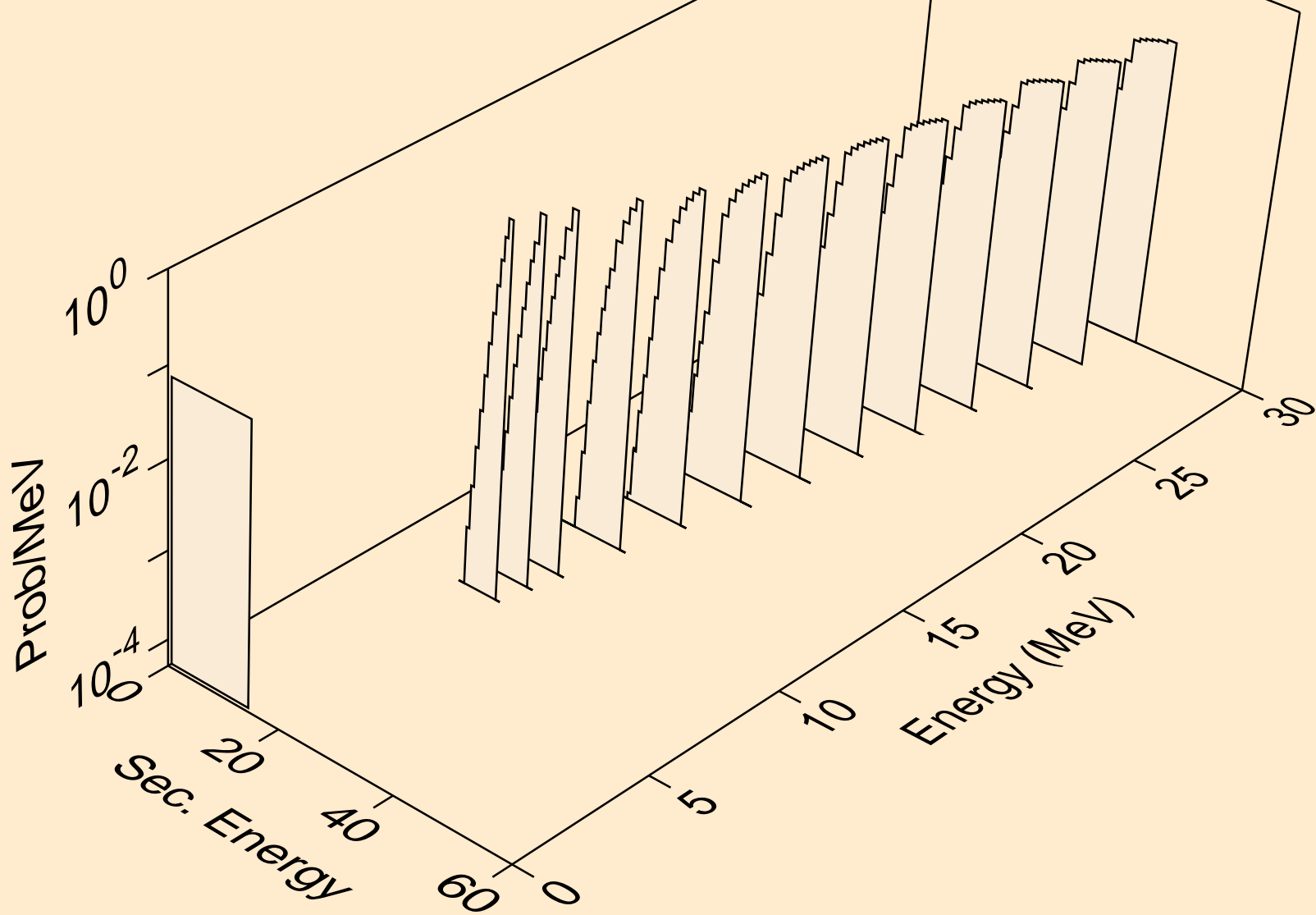
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alphas from (s,3n)a



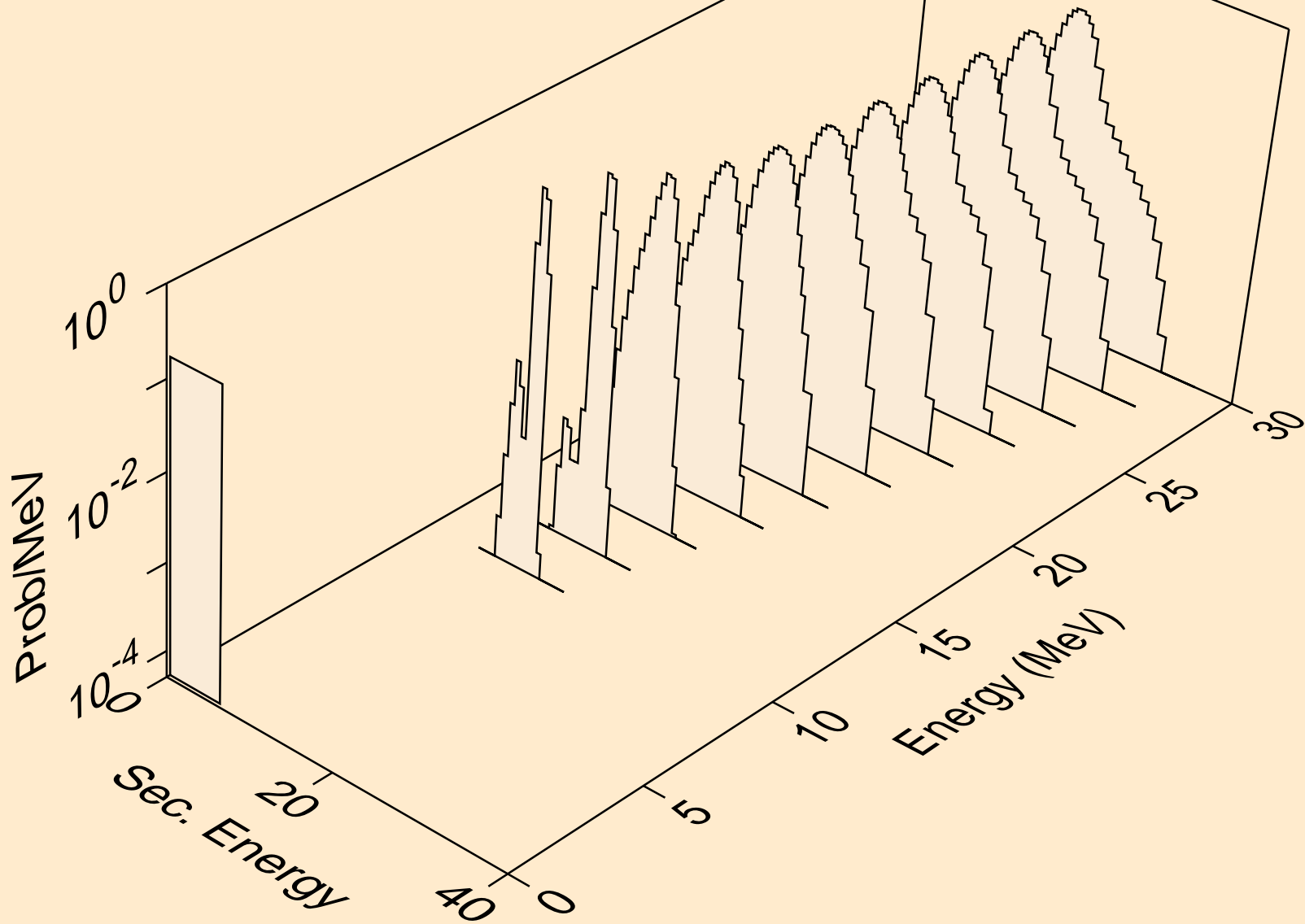
HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,npa)



HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,a)



HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,pa)



HG199M HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,da)

