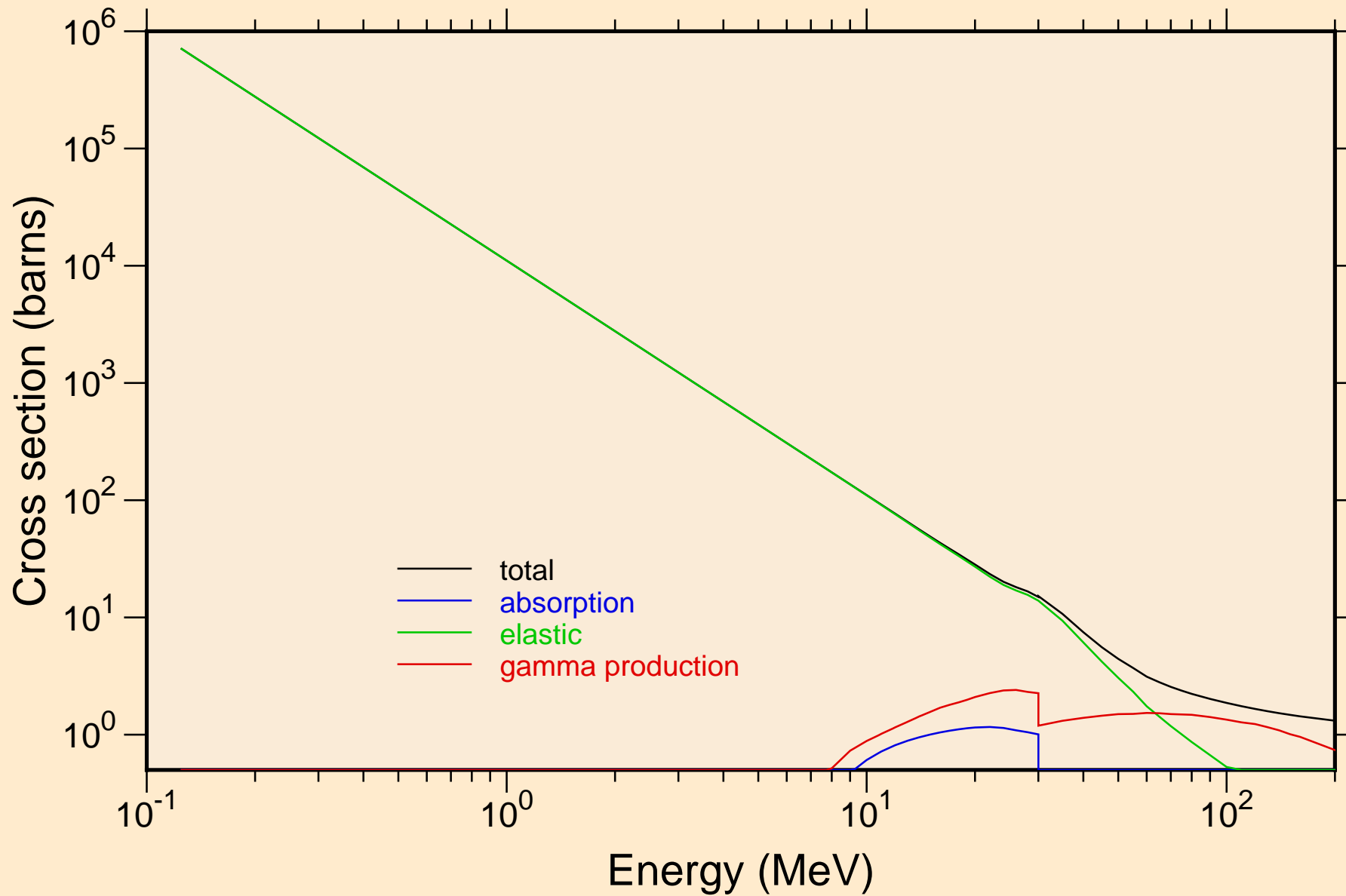


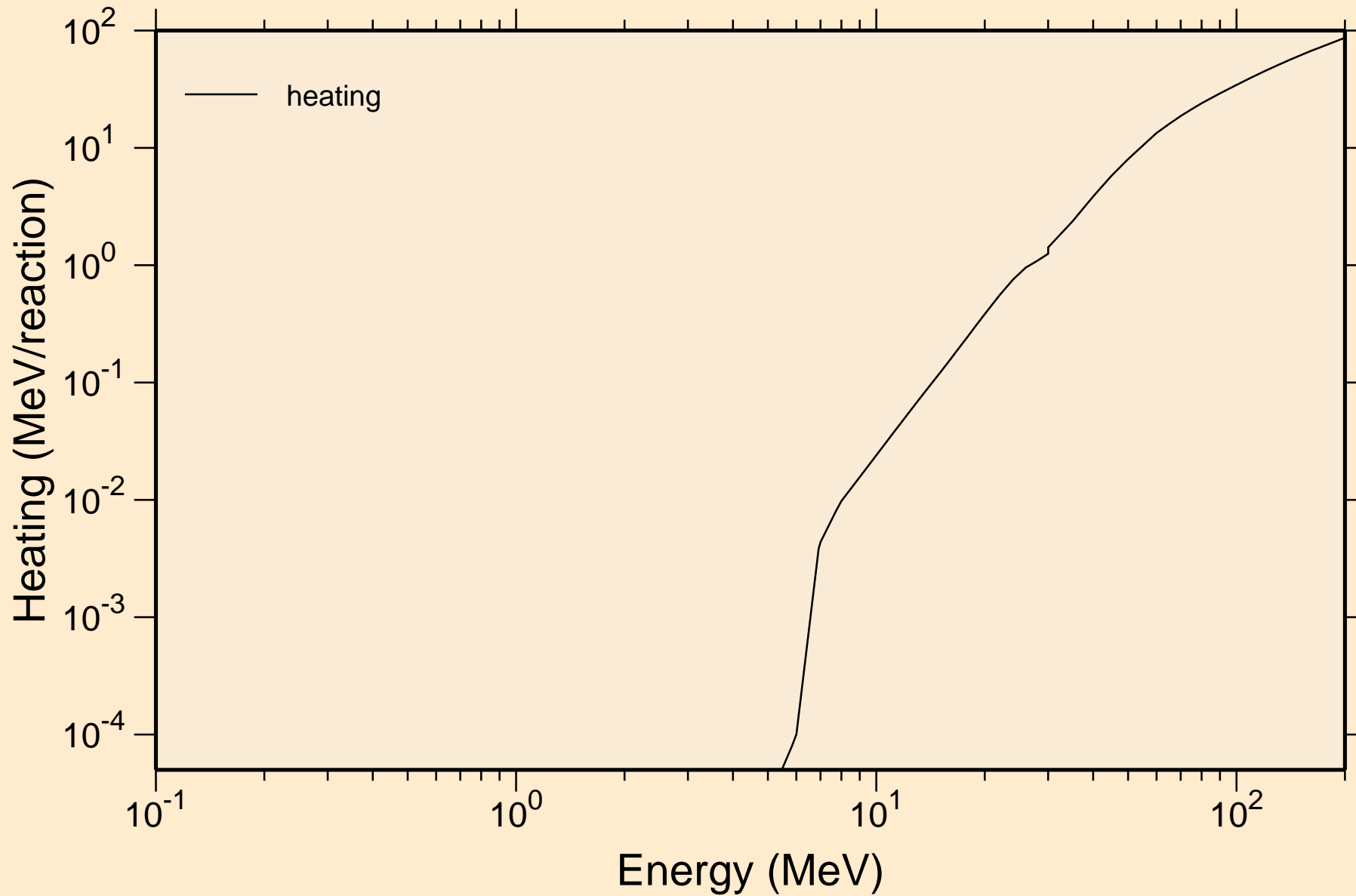
# CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



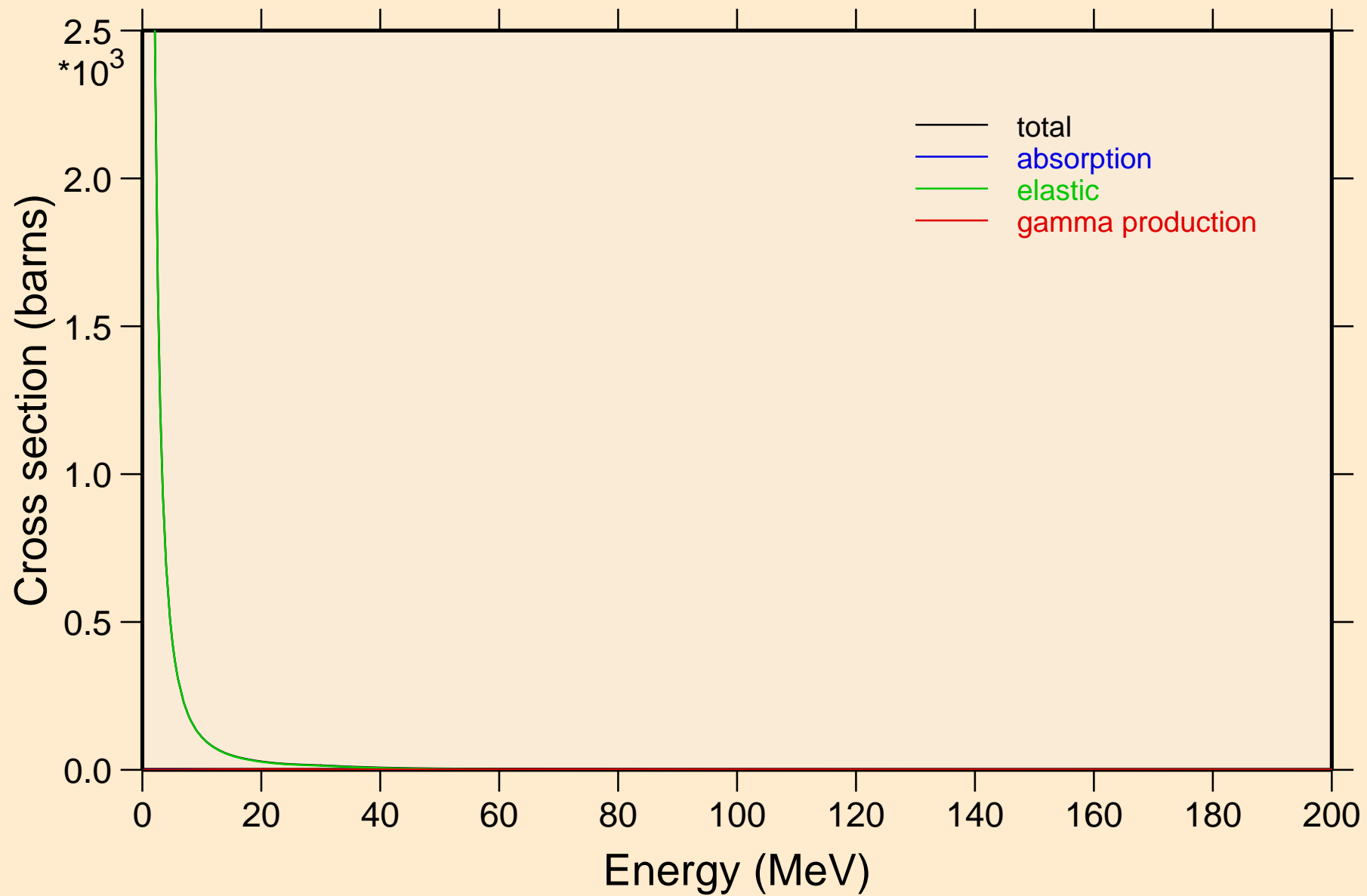
# CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Heating

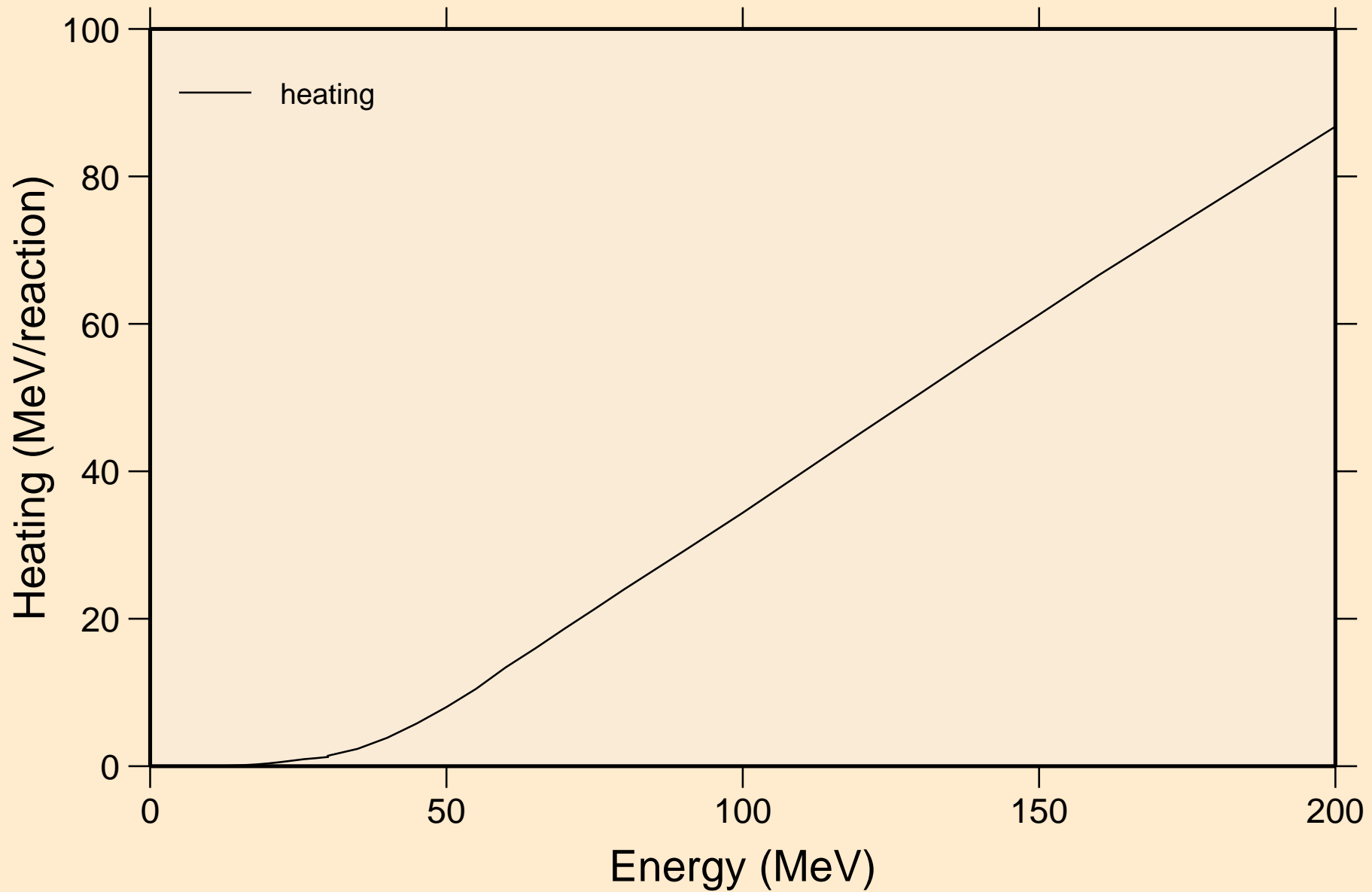


# CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K

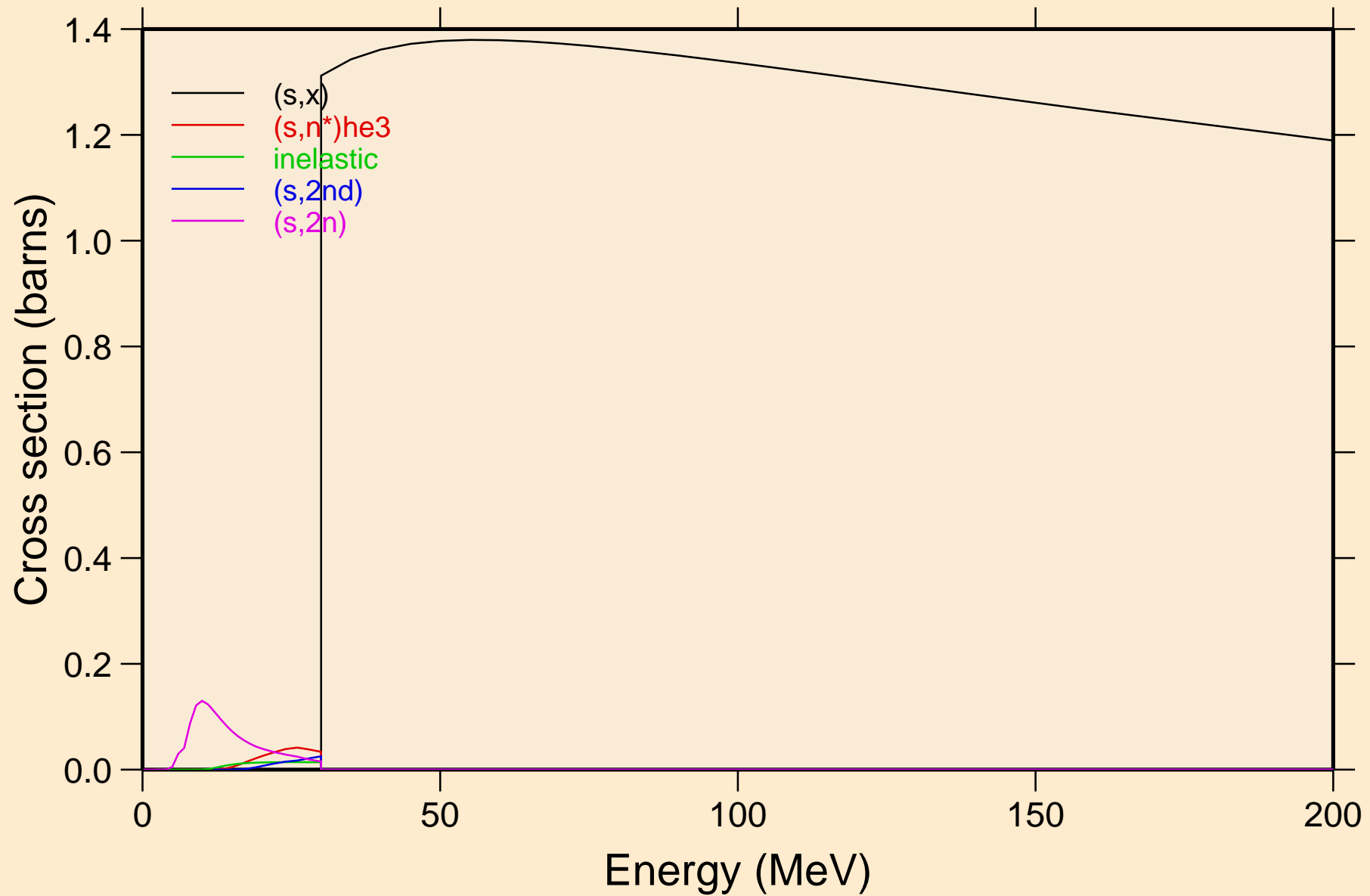
## Principal cross sections



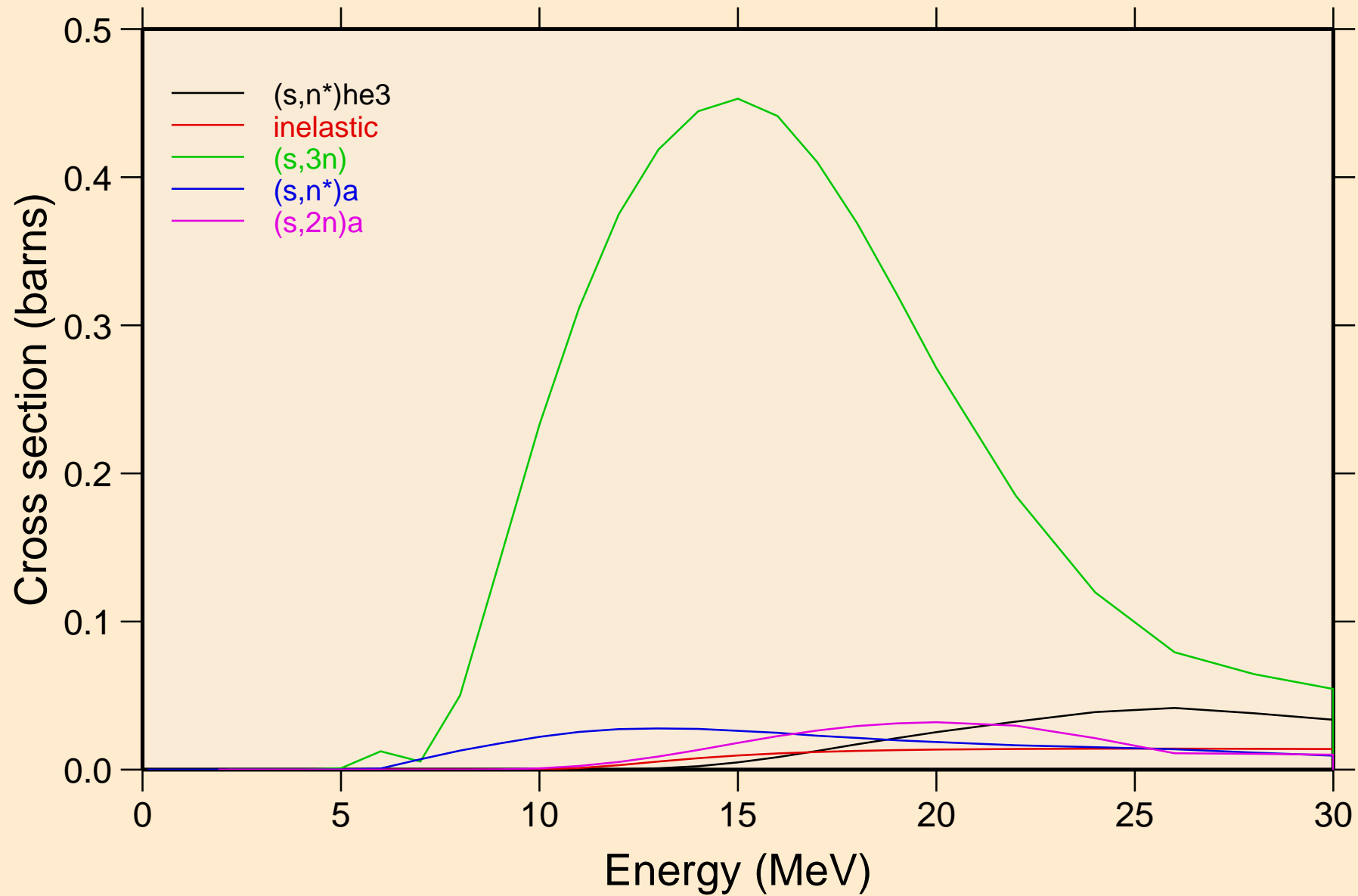
CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Heating



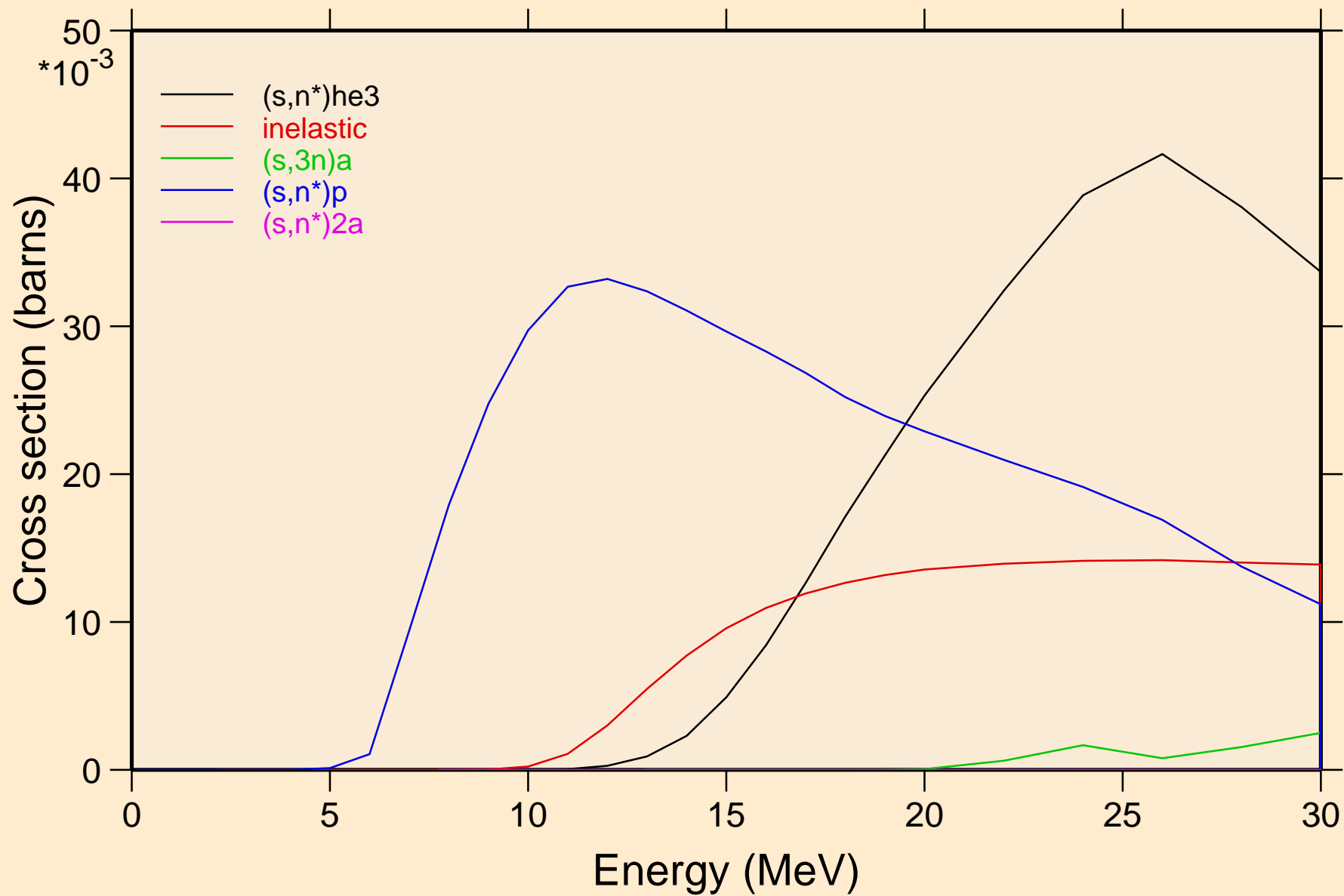
CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



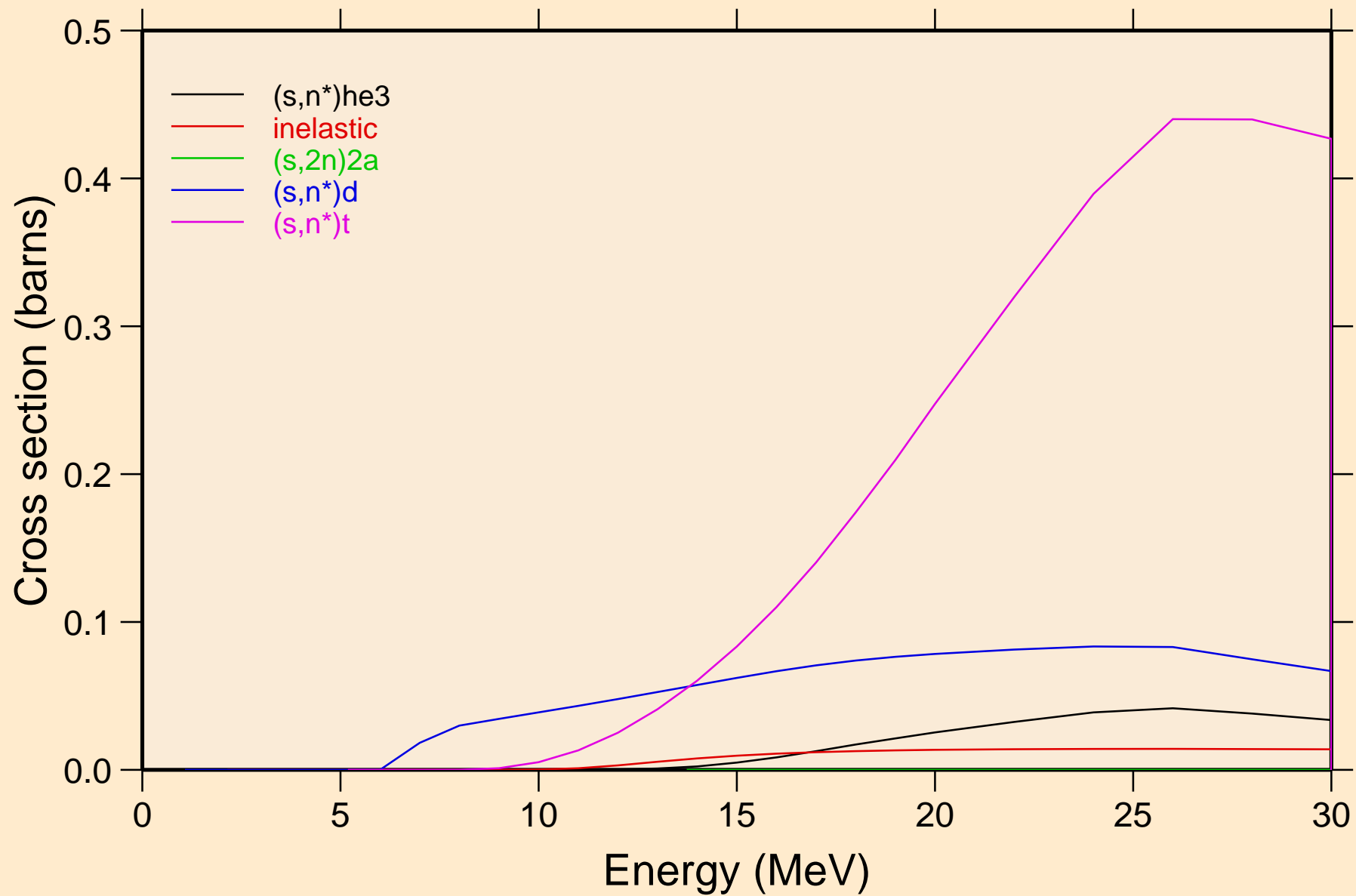
CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

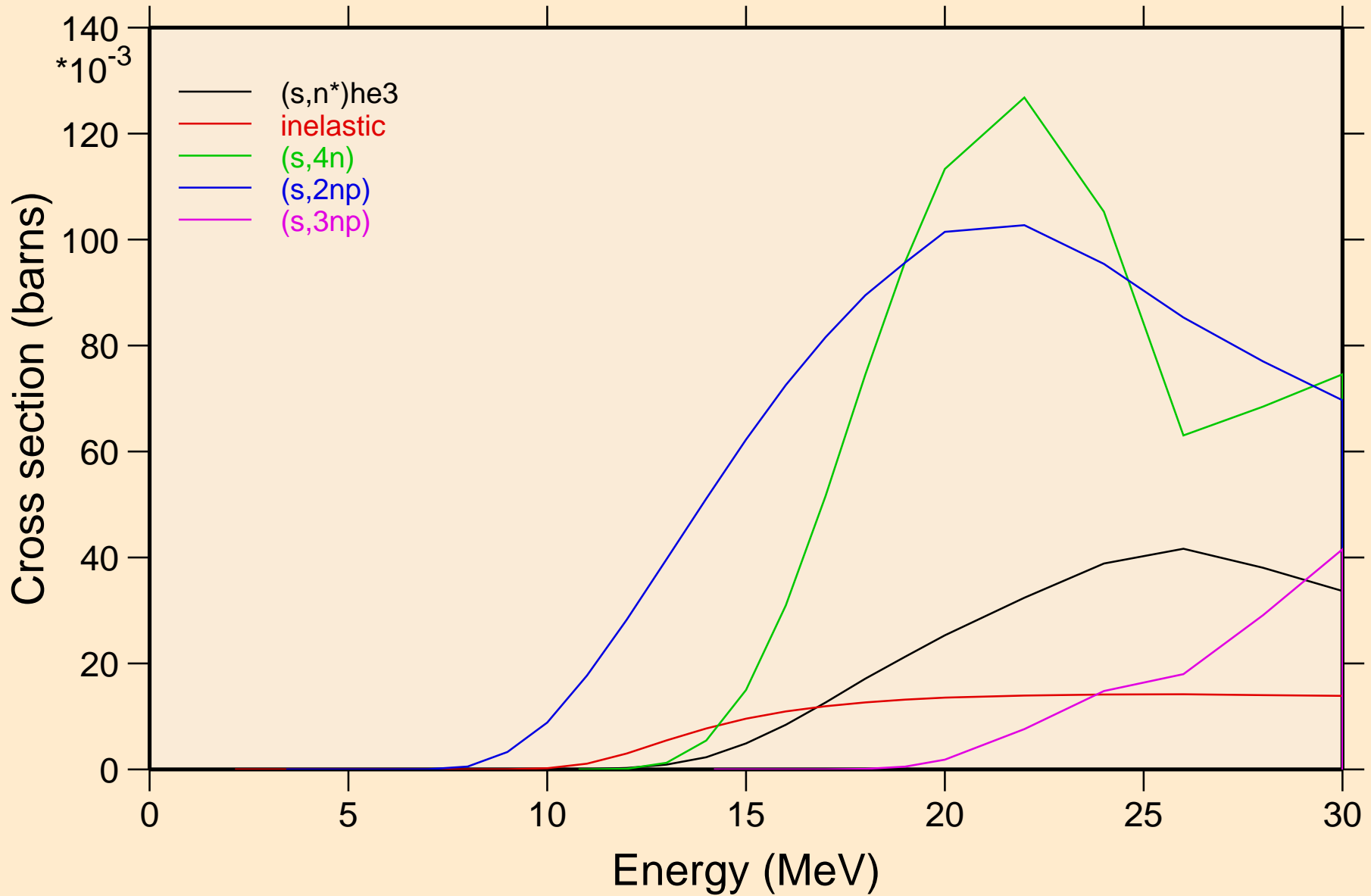


CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

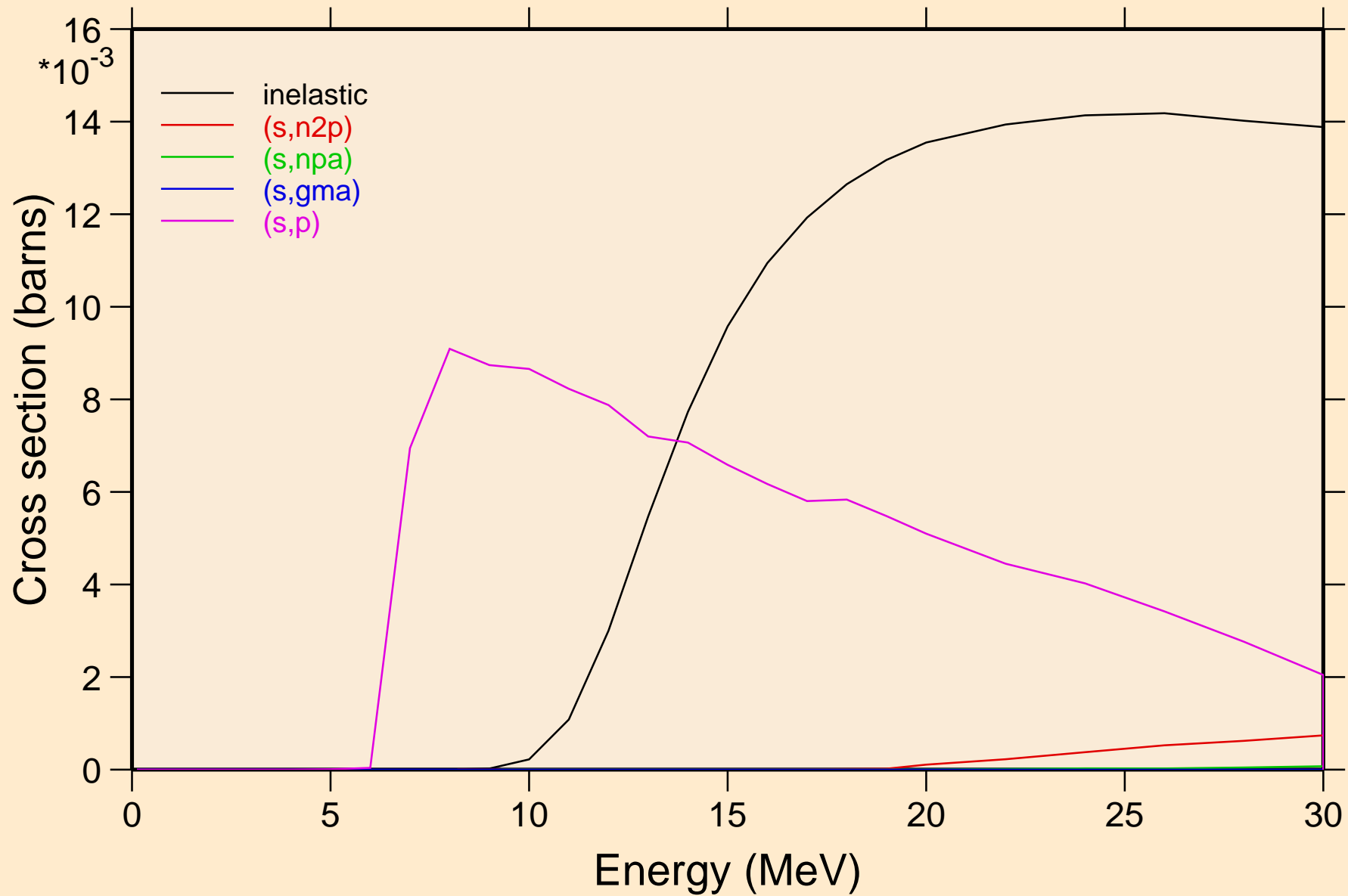




CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

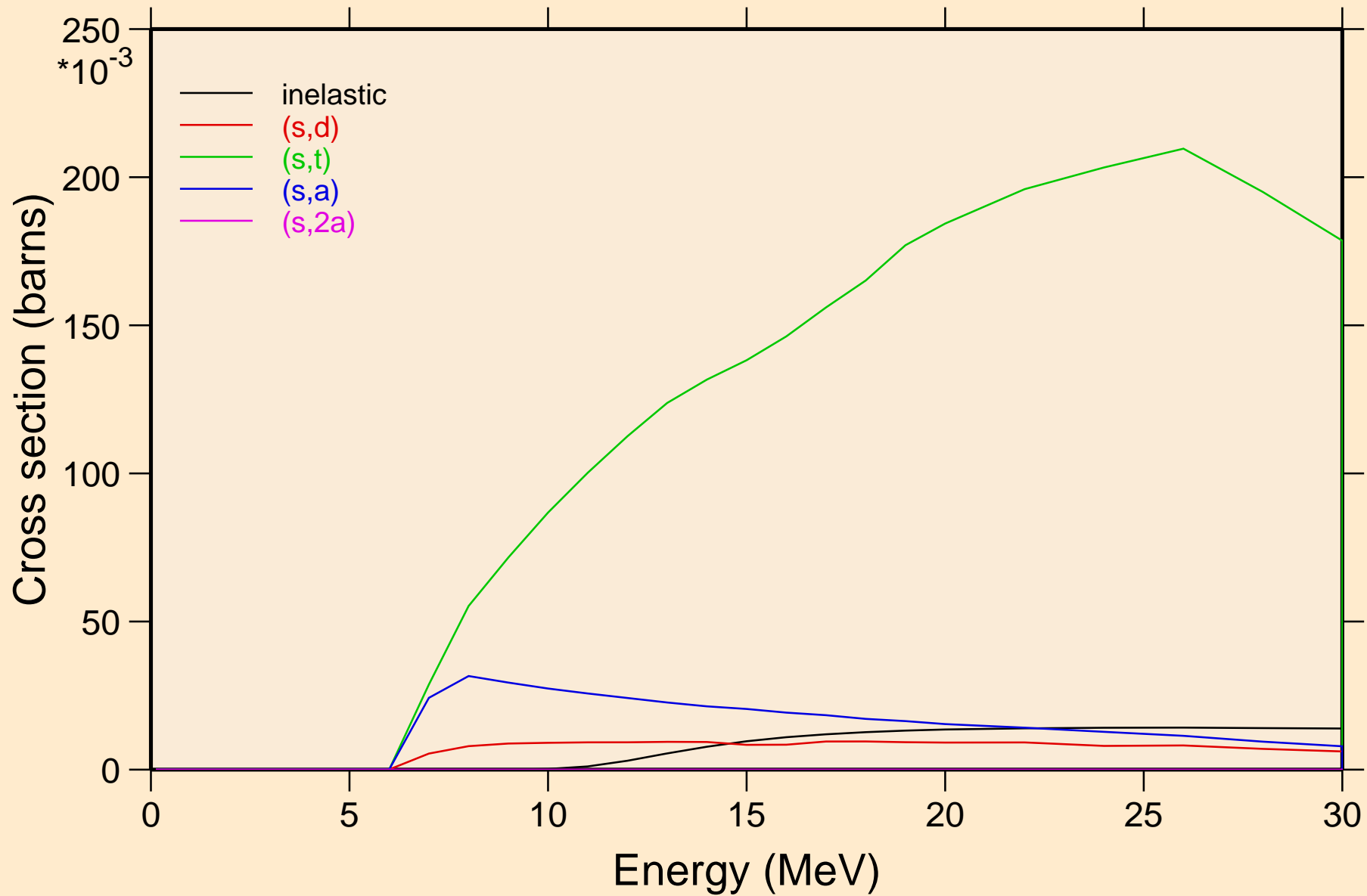


CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

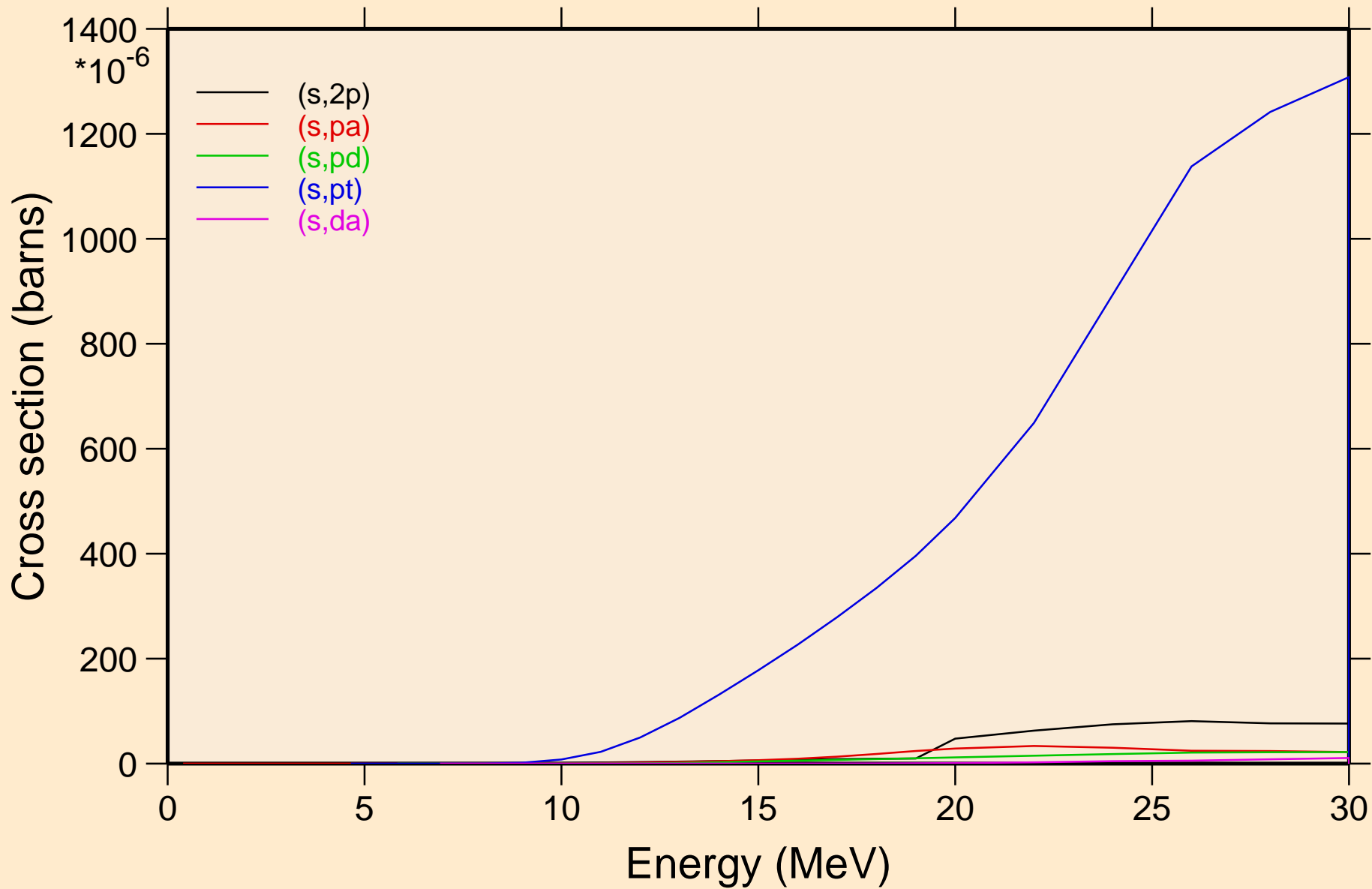


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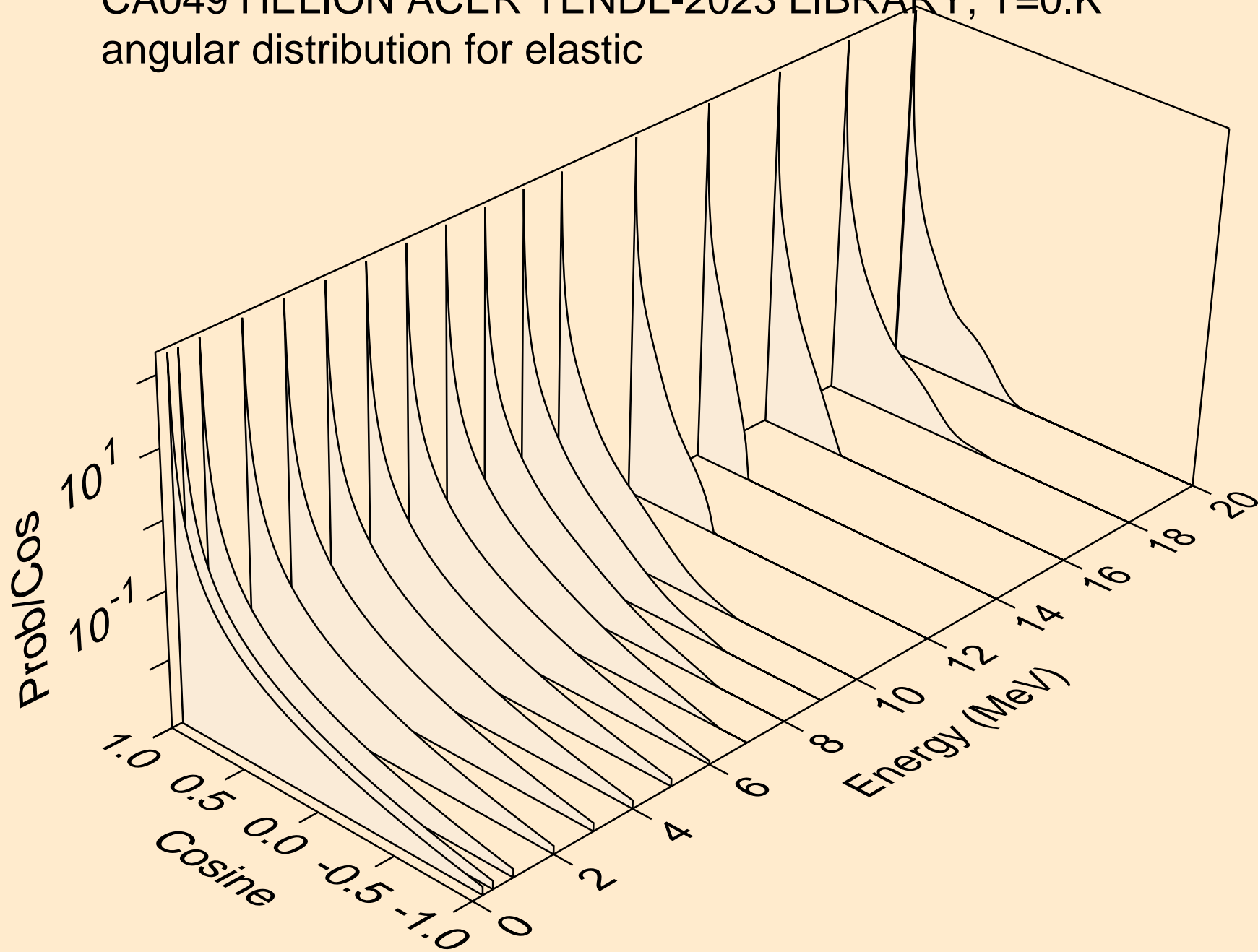
## Threshold reactions



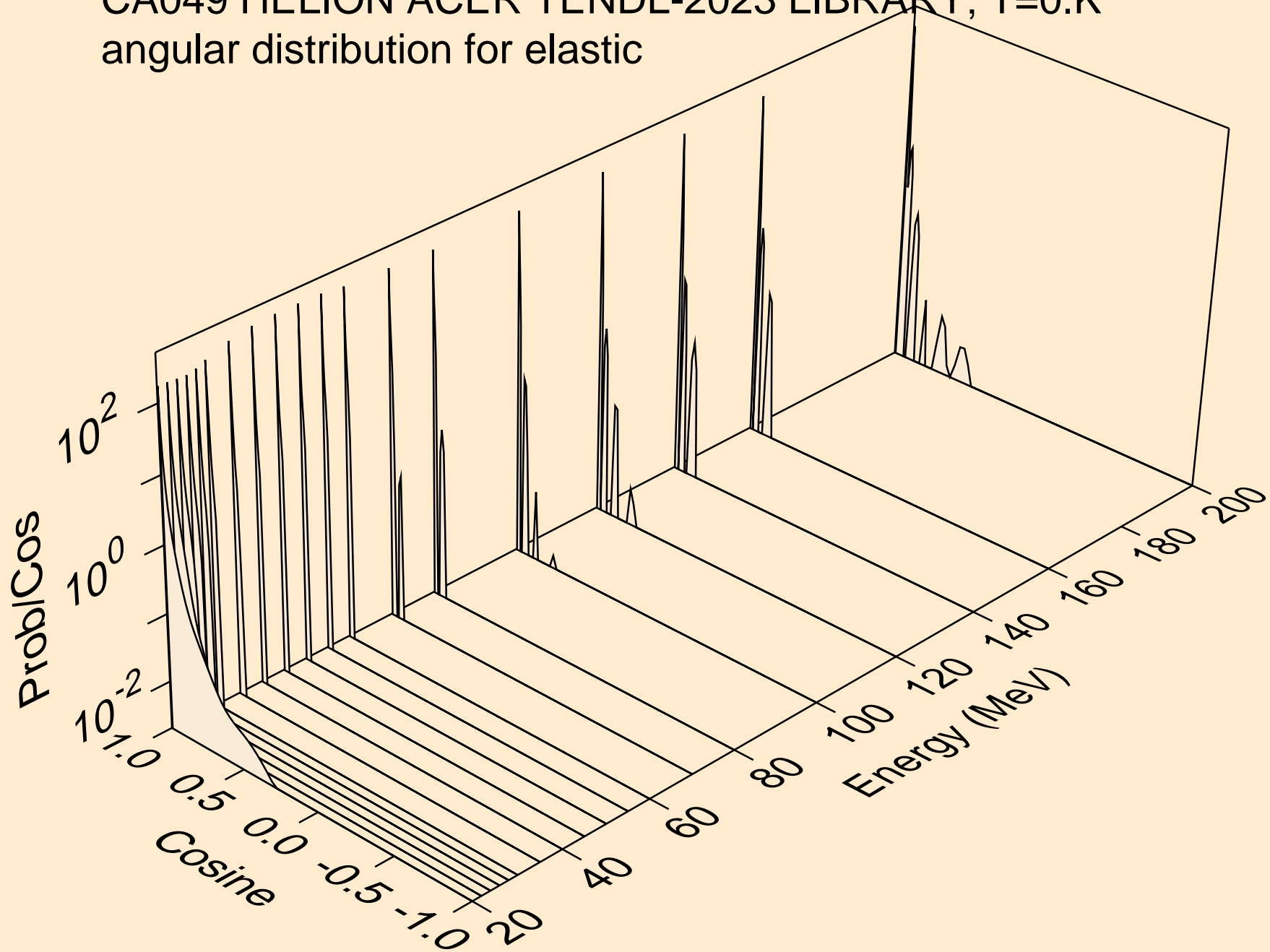
CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



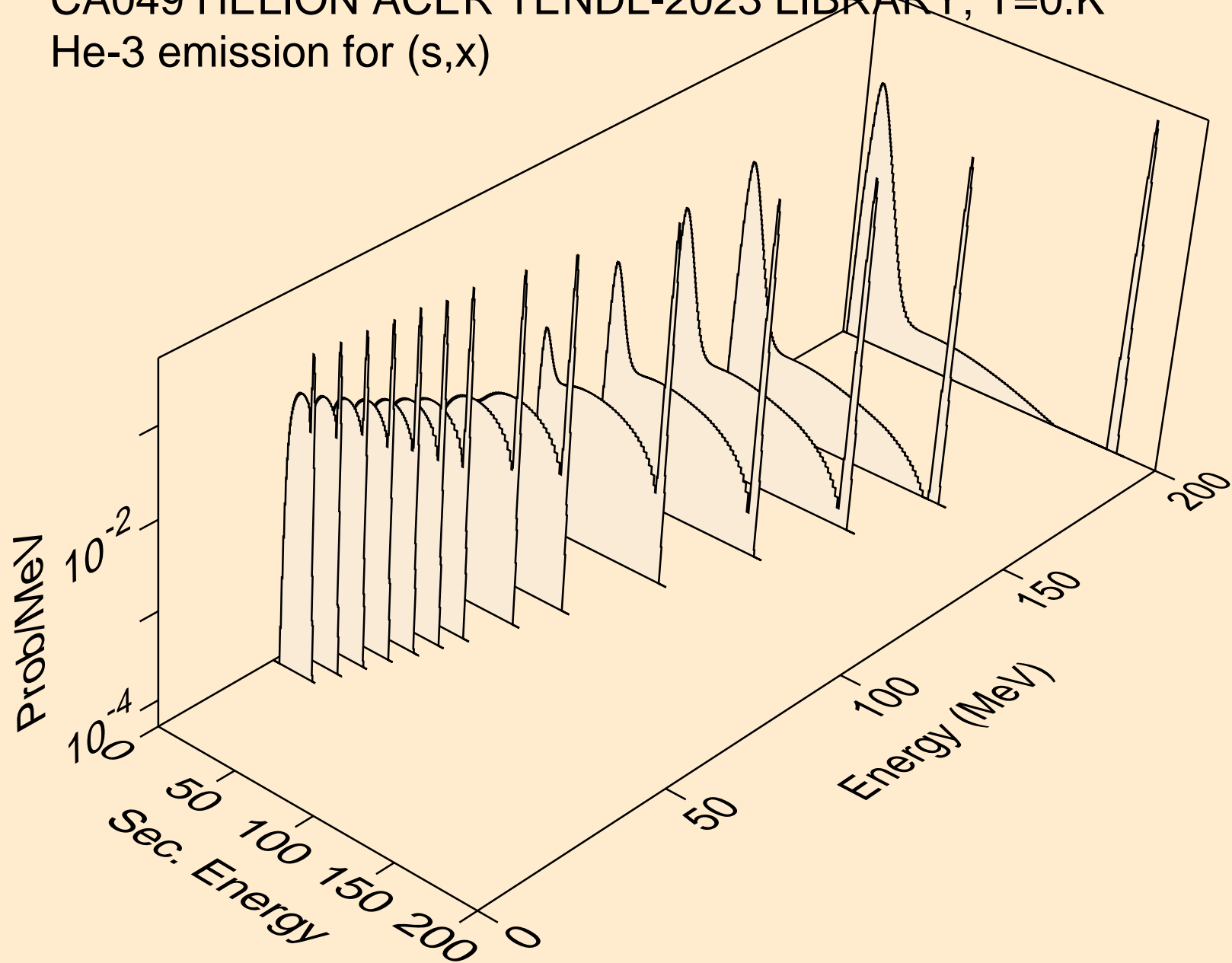
CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



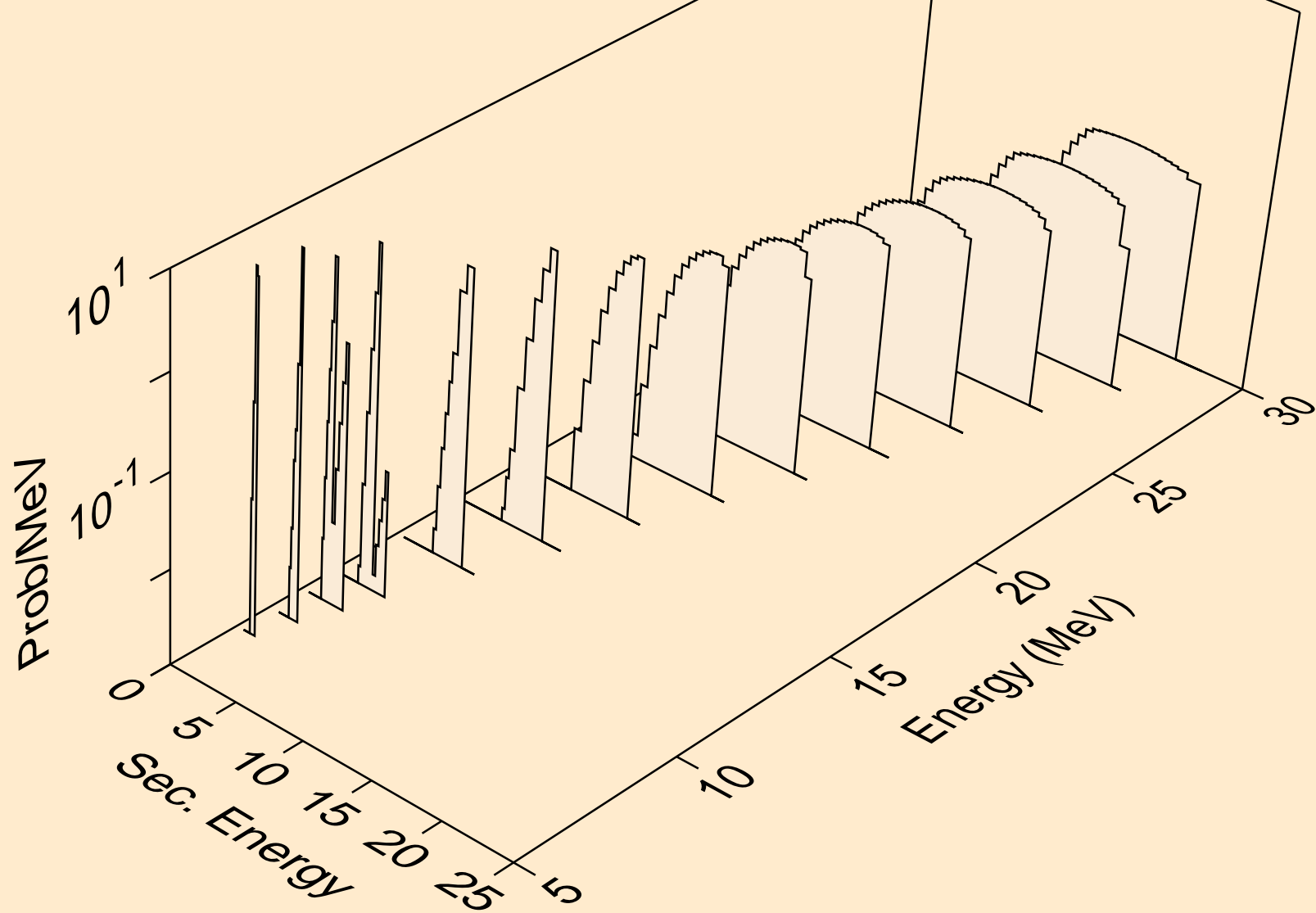
CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)

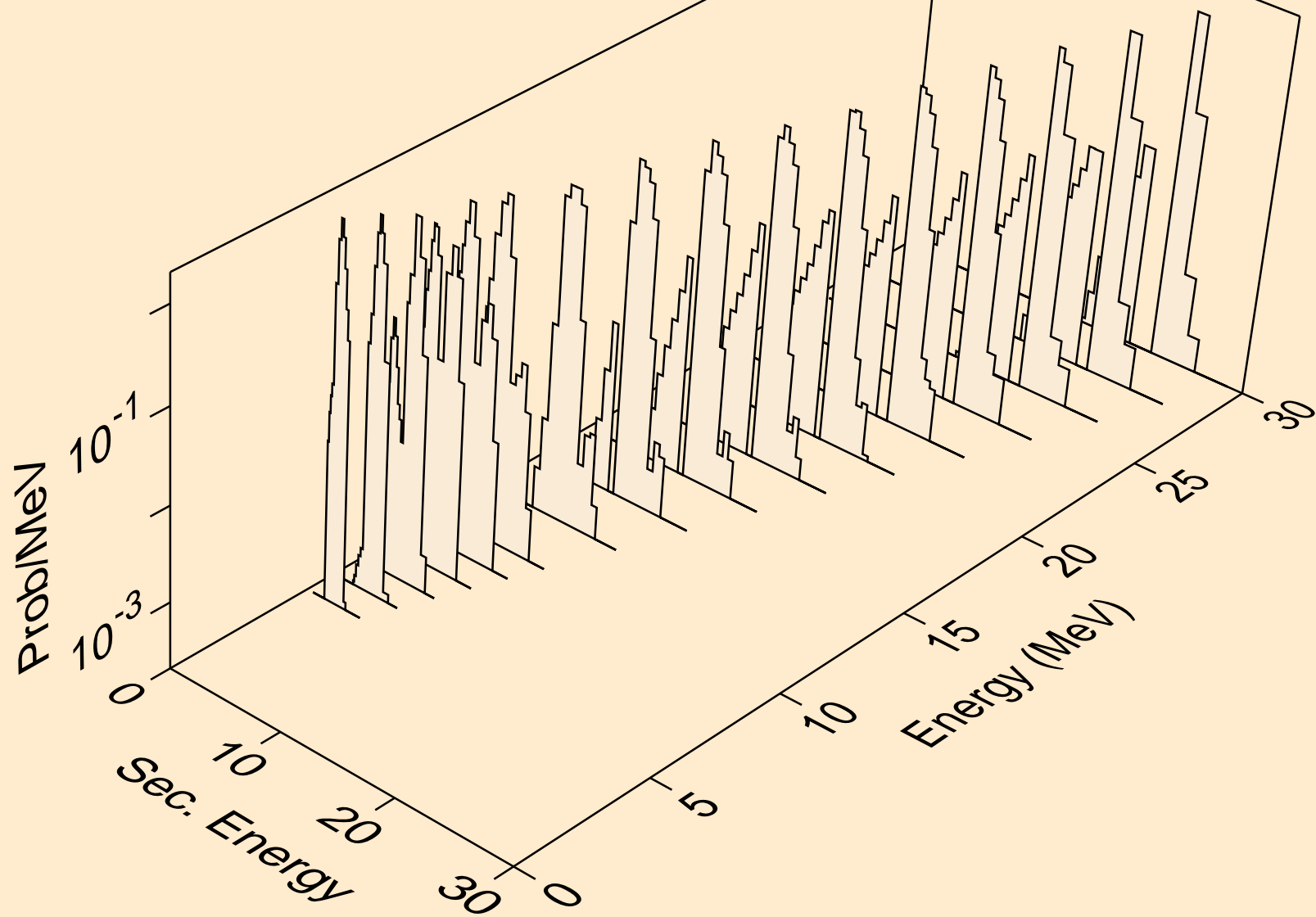


CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

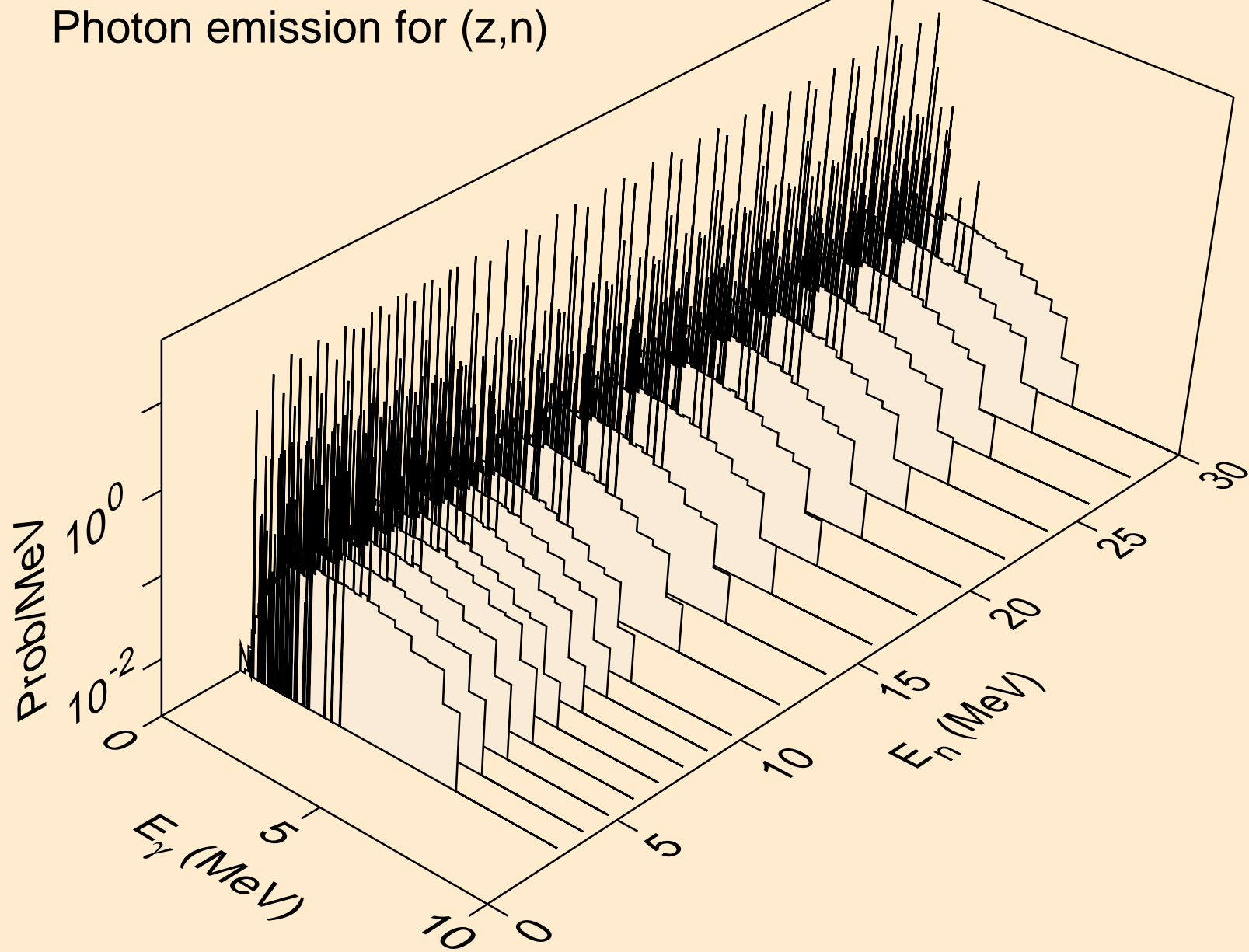




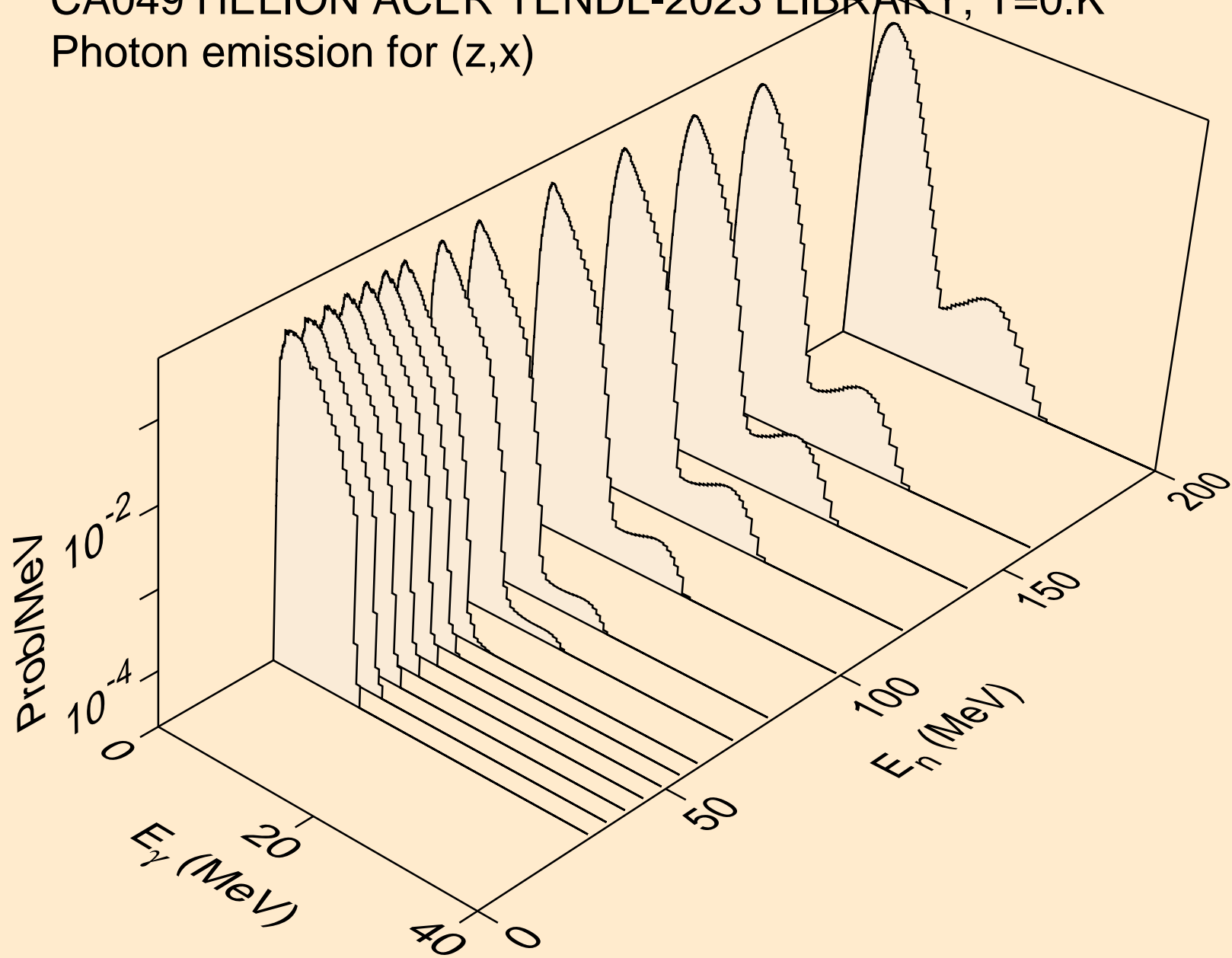
CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic



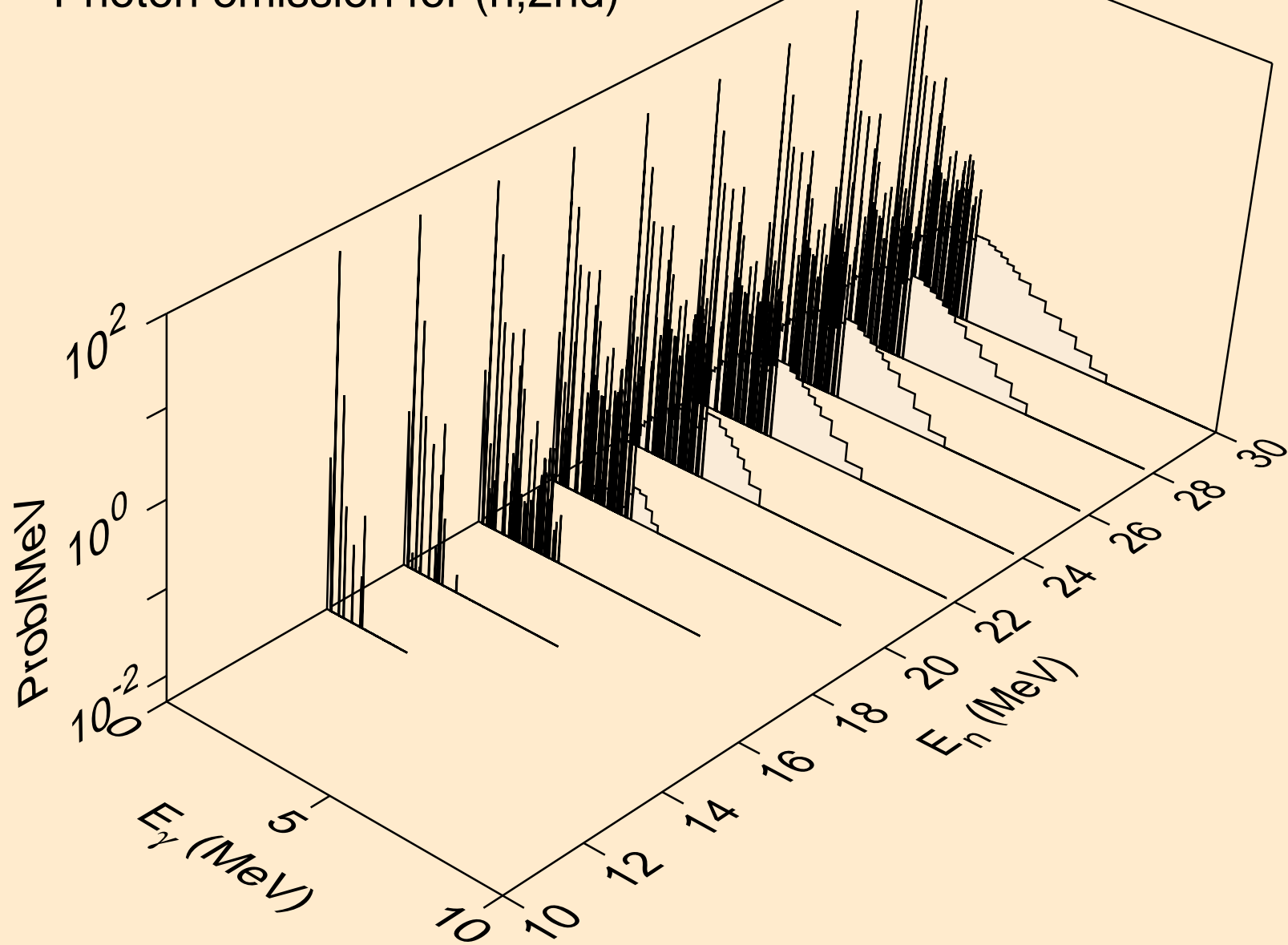
CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



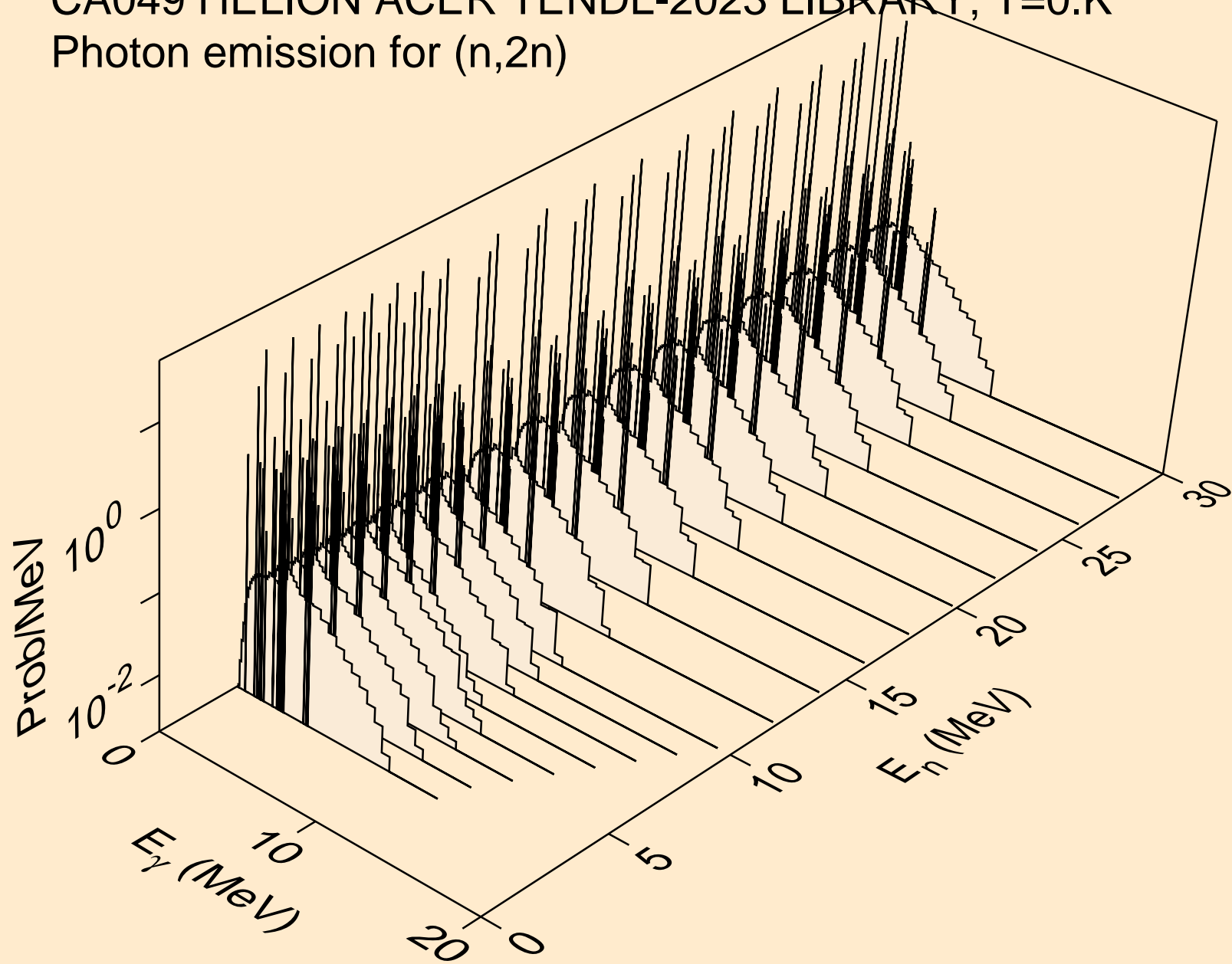
CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



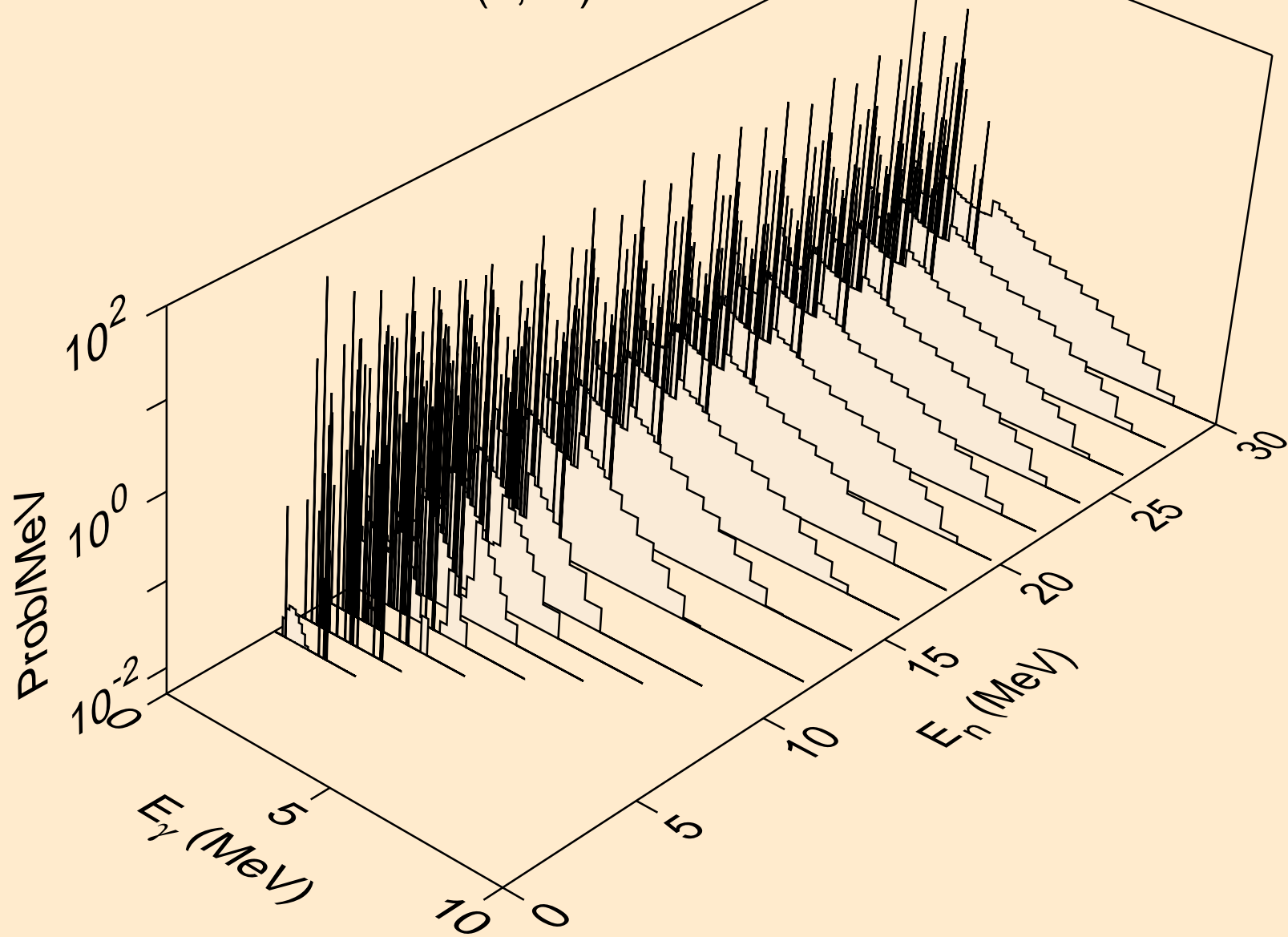
CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



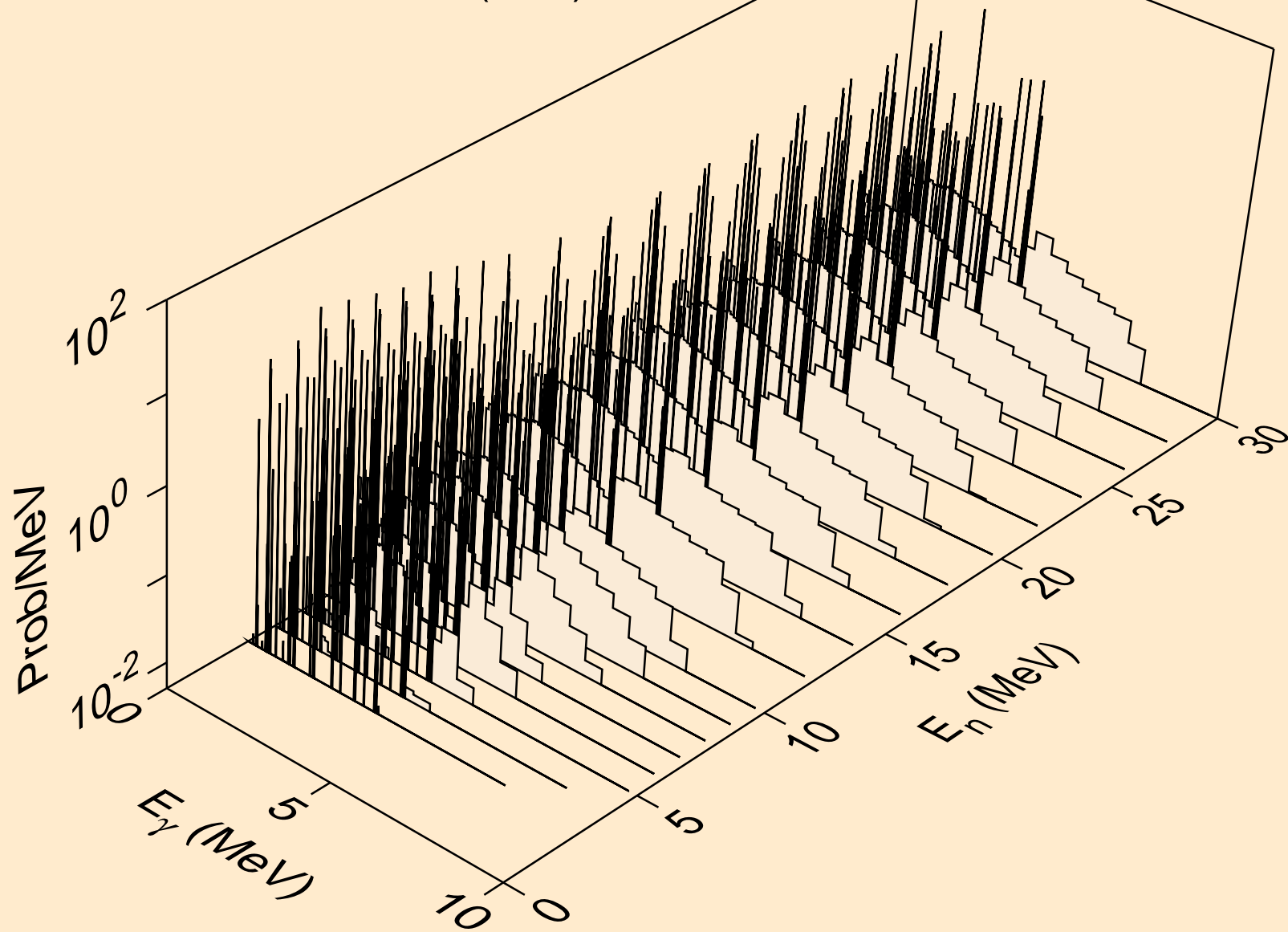
CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



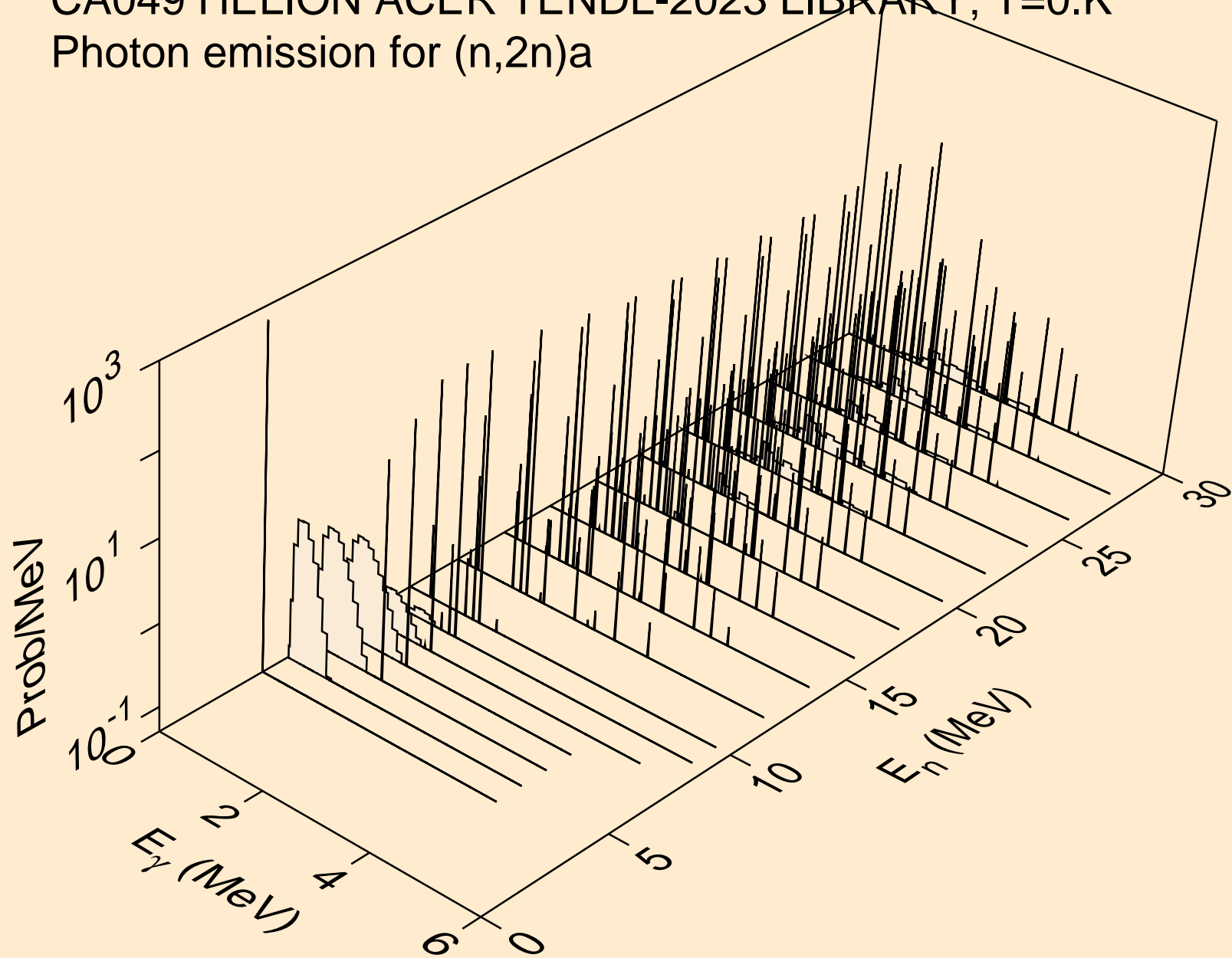
CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

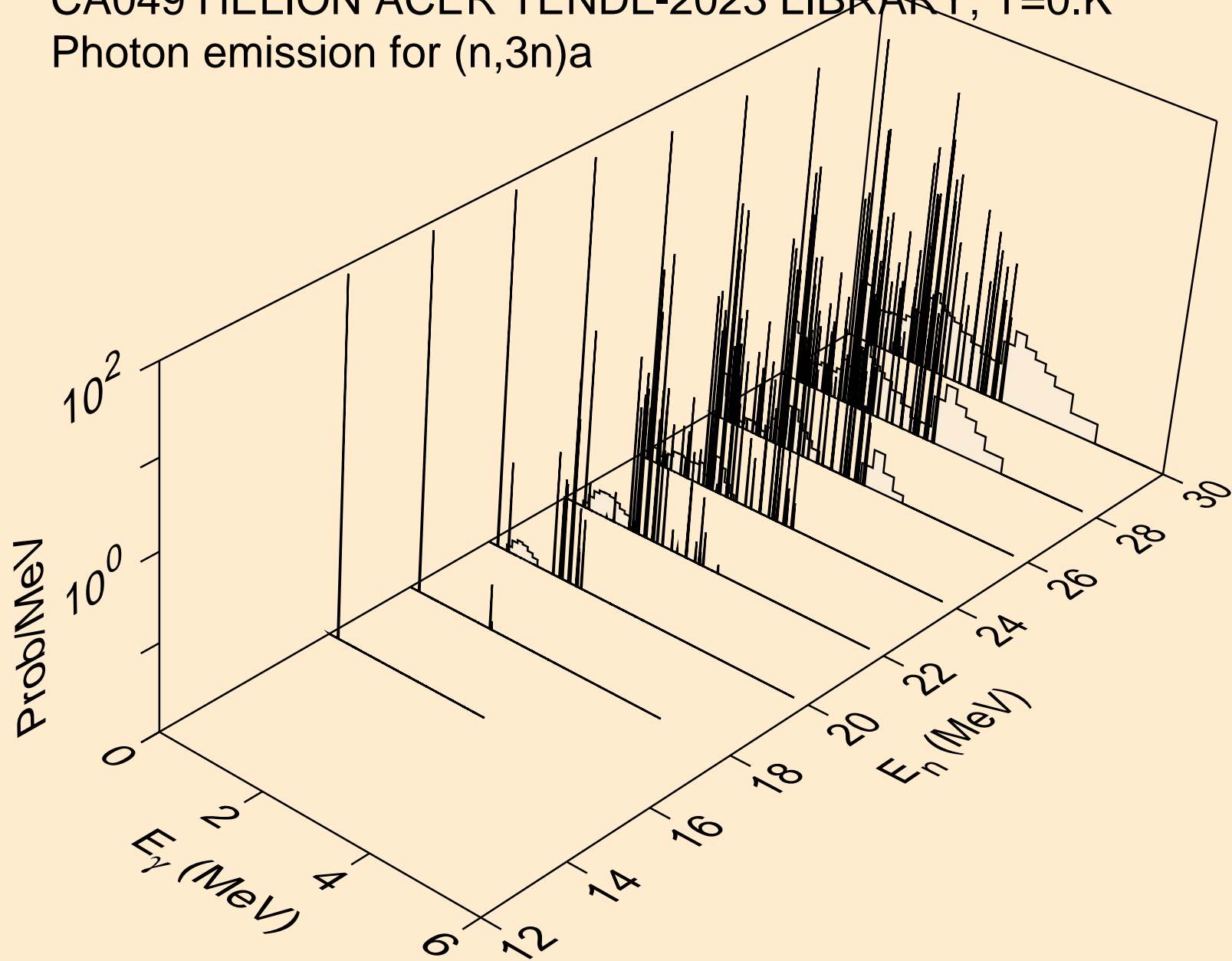


CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

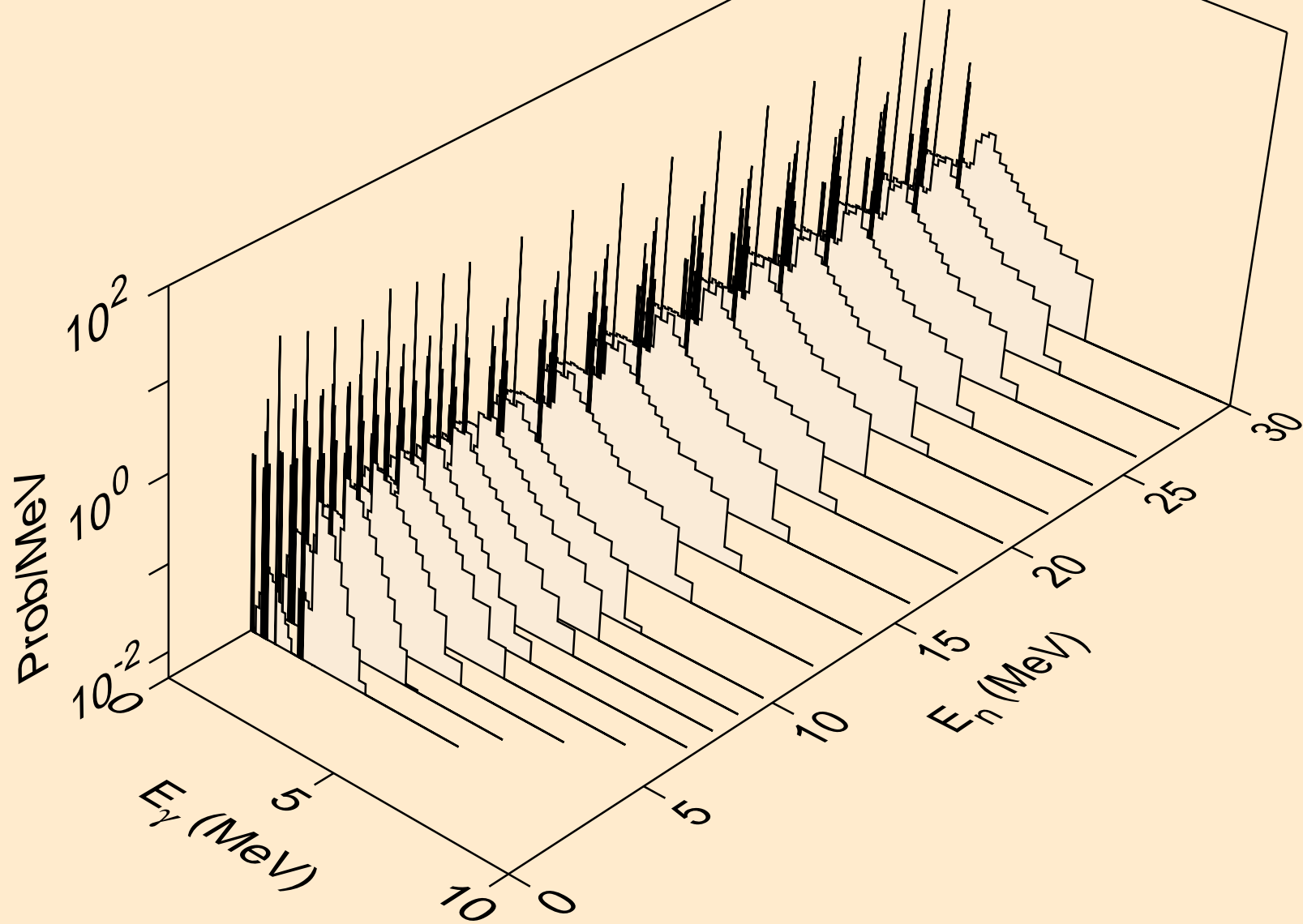




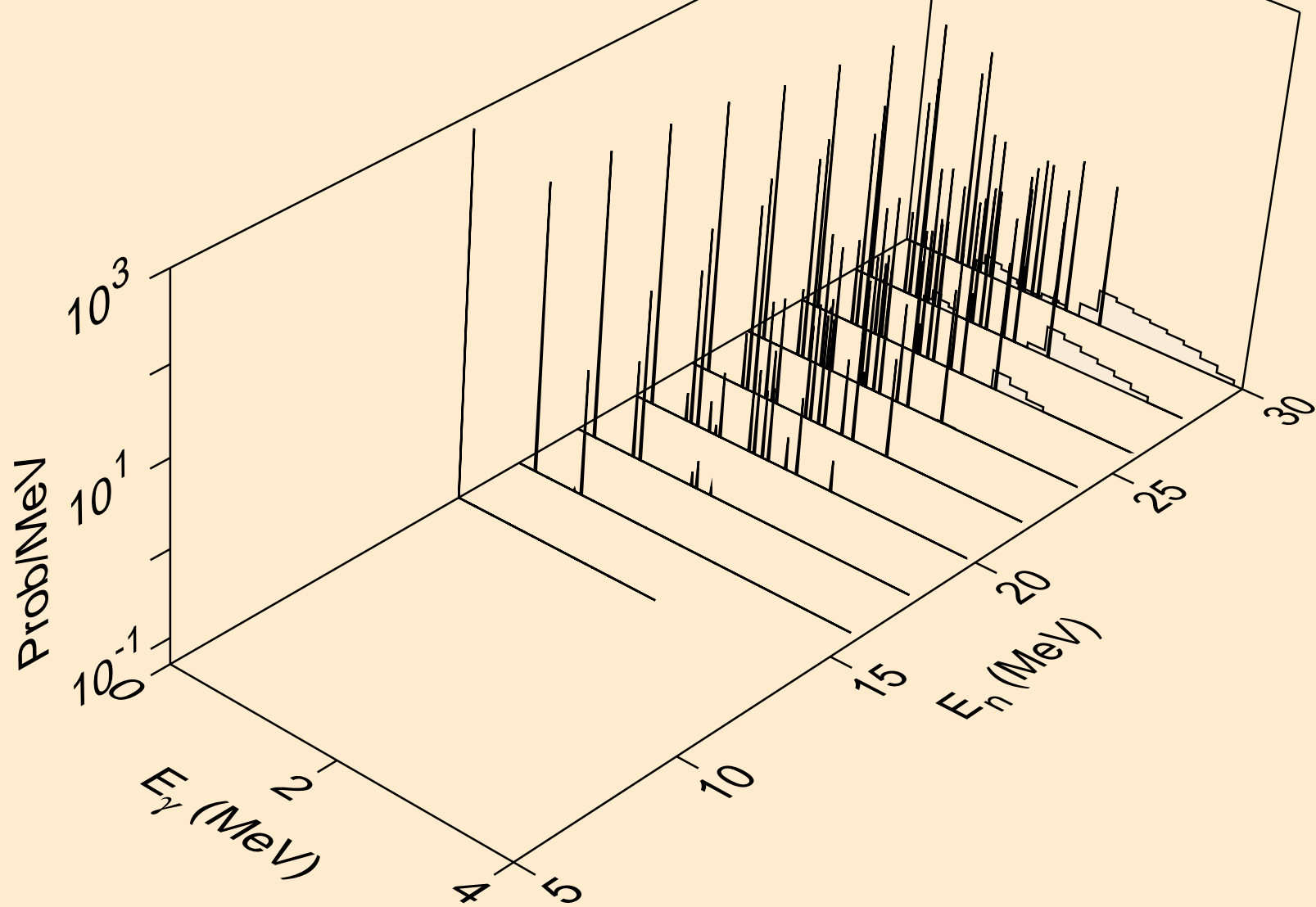
CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



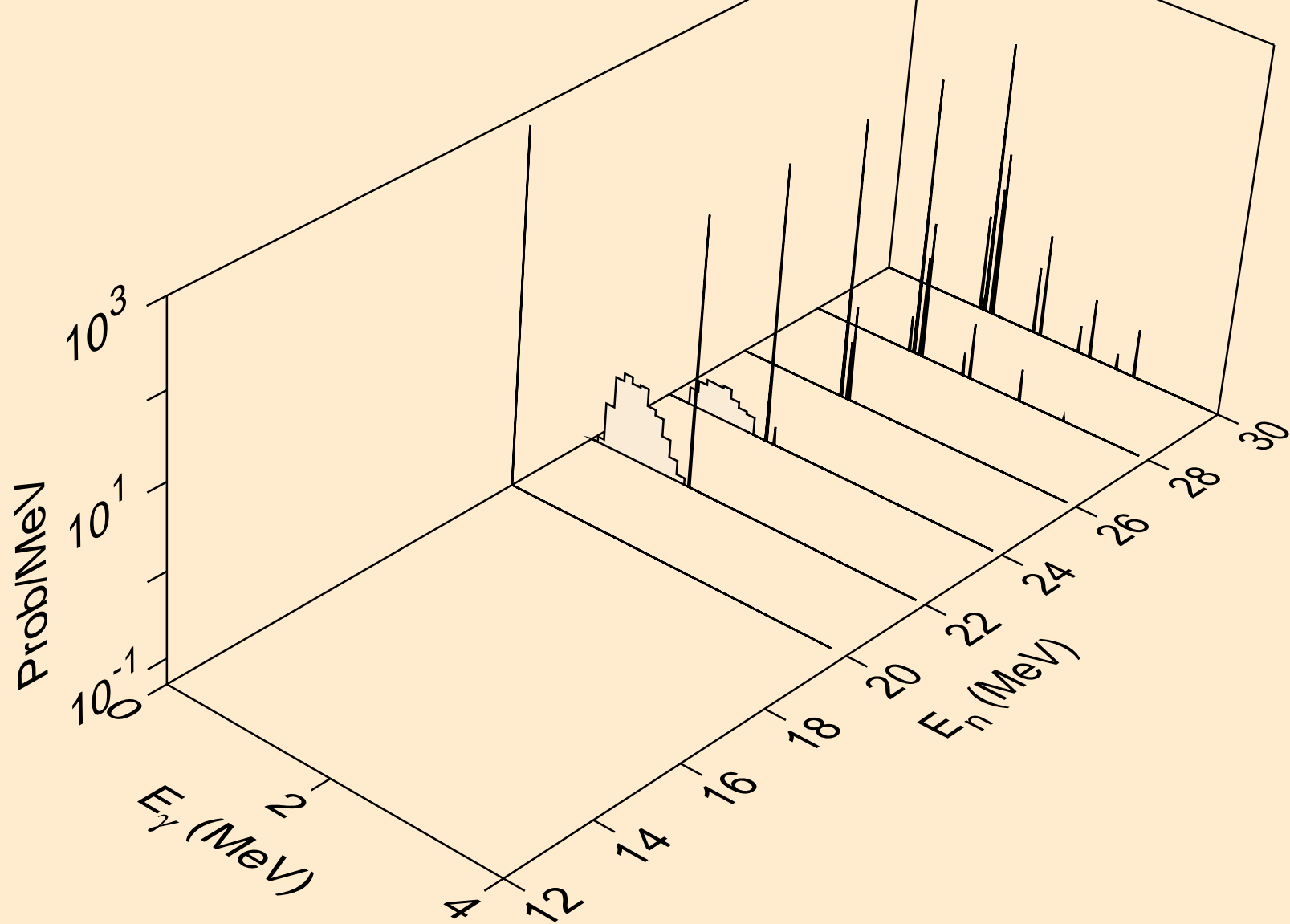
CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



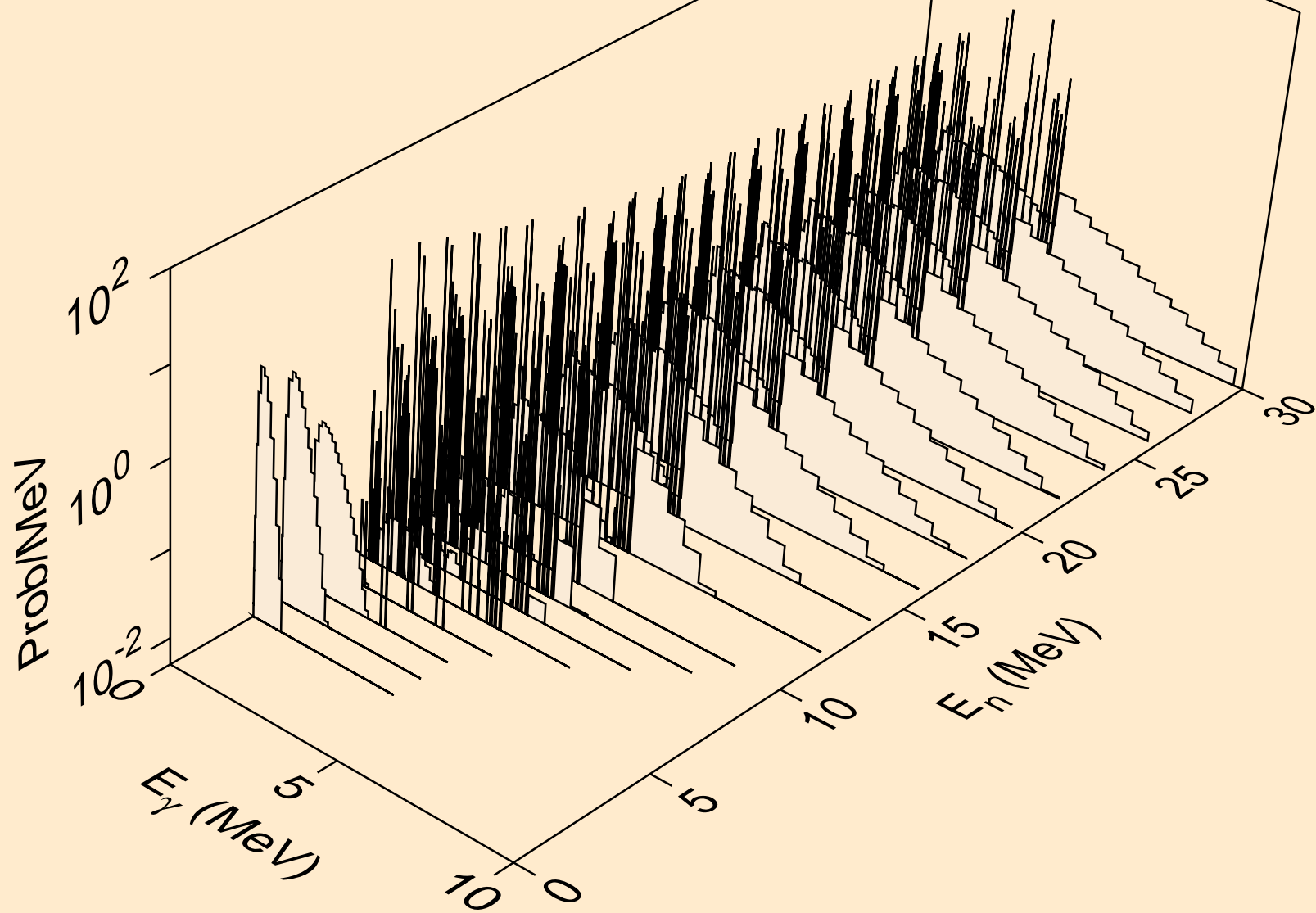
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Photon emission for (n,n\*)2a



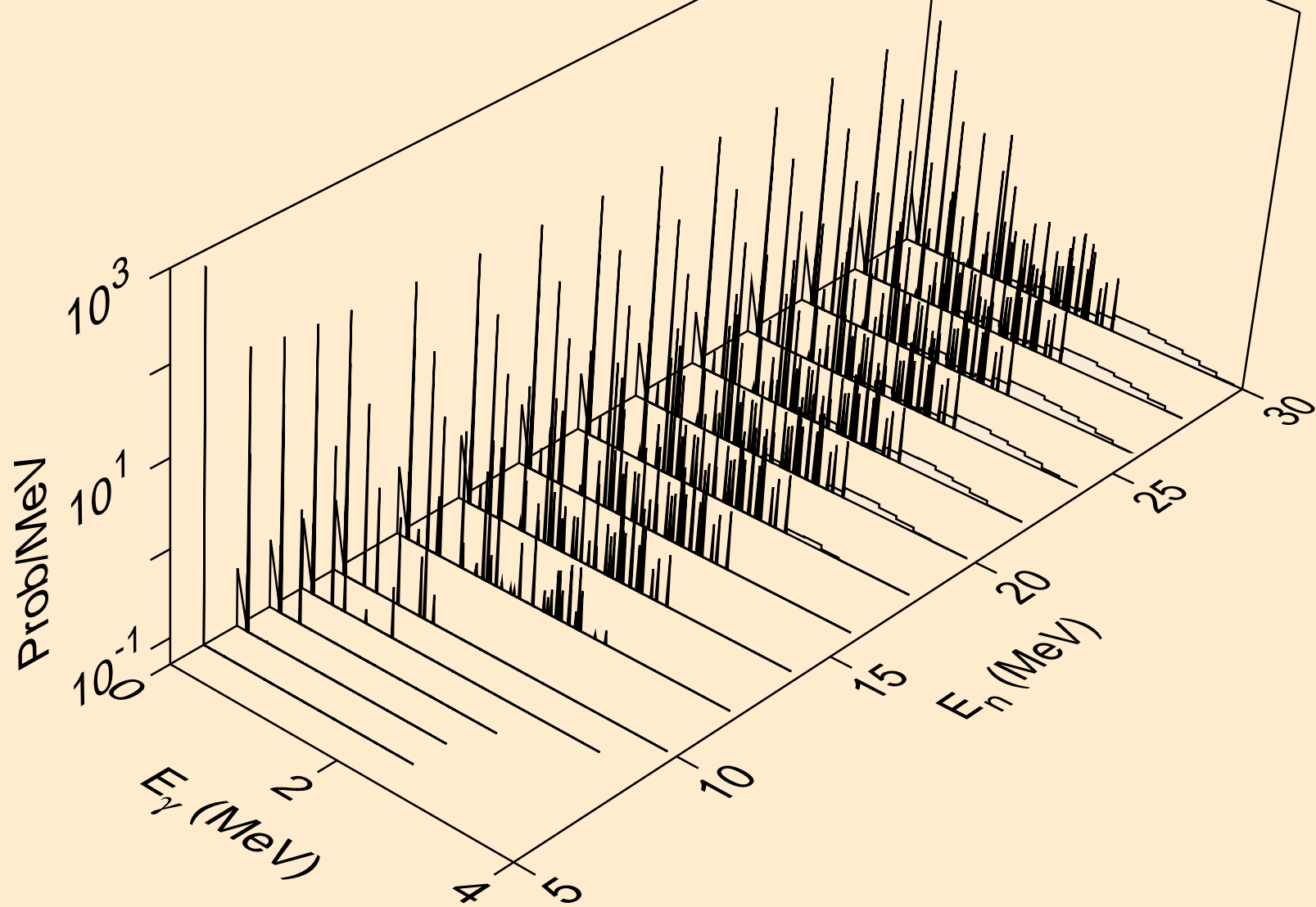
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Photon emission for (n,2n)2a



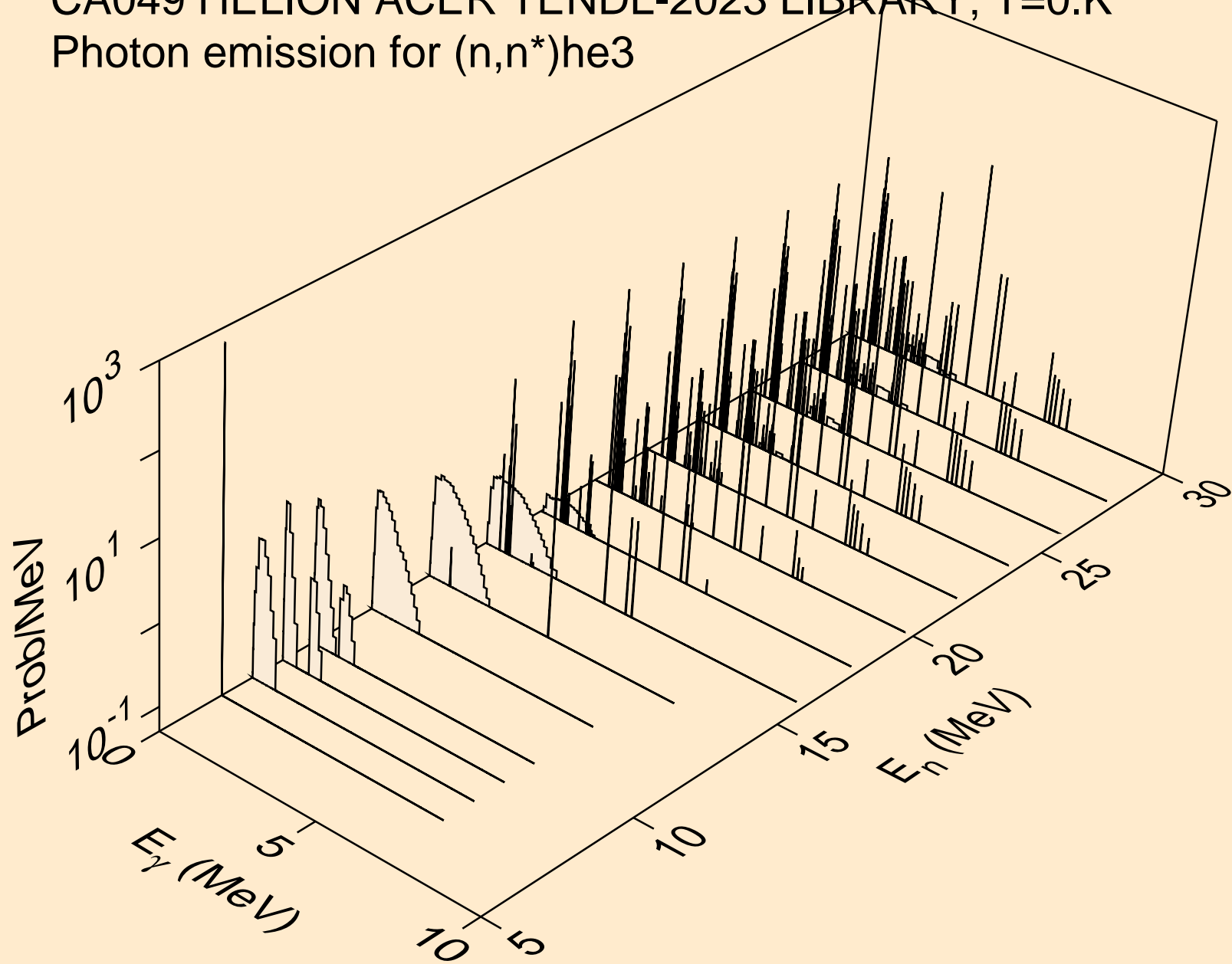
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Photon emission for (n,n\*)d



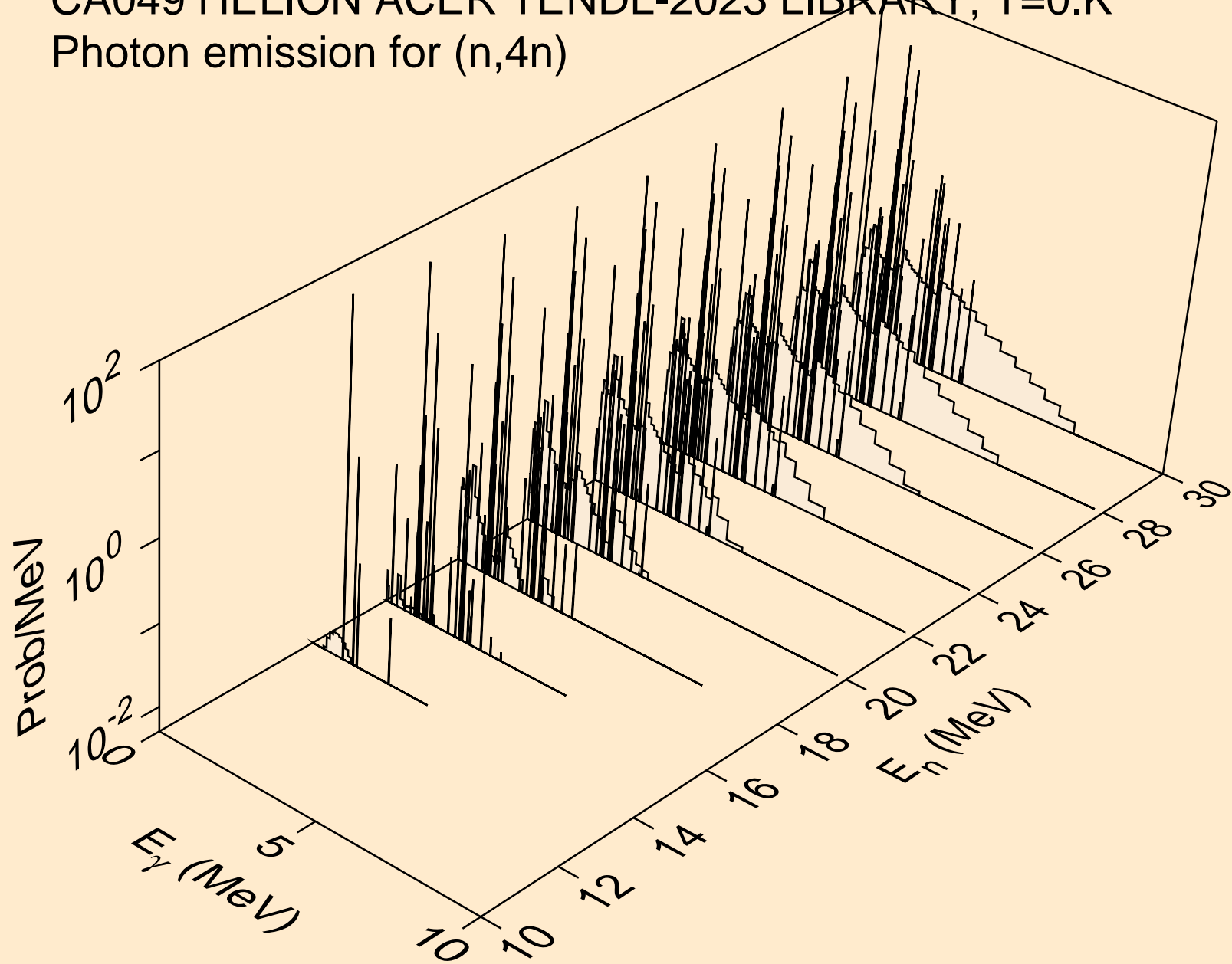
CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

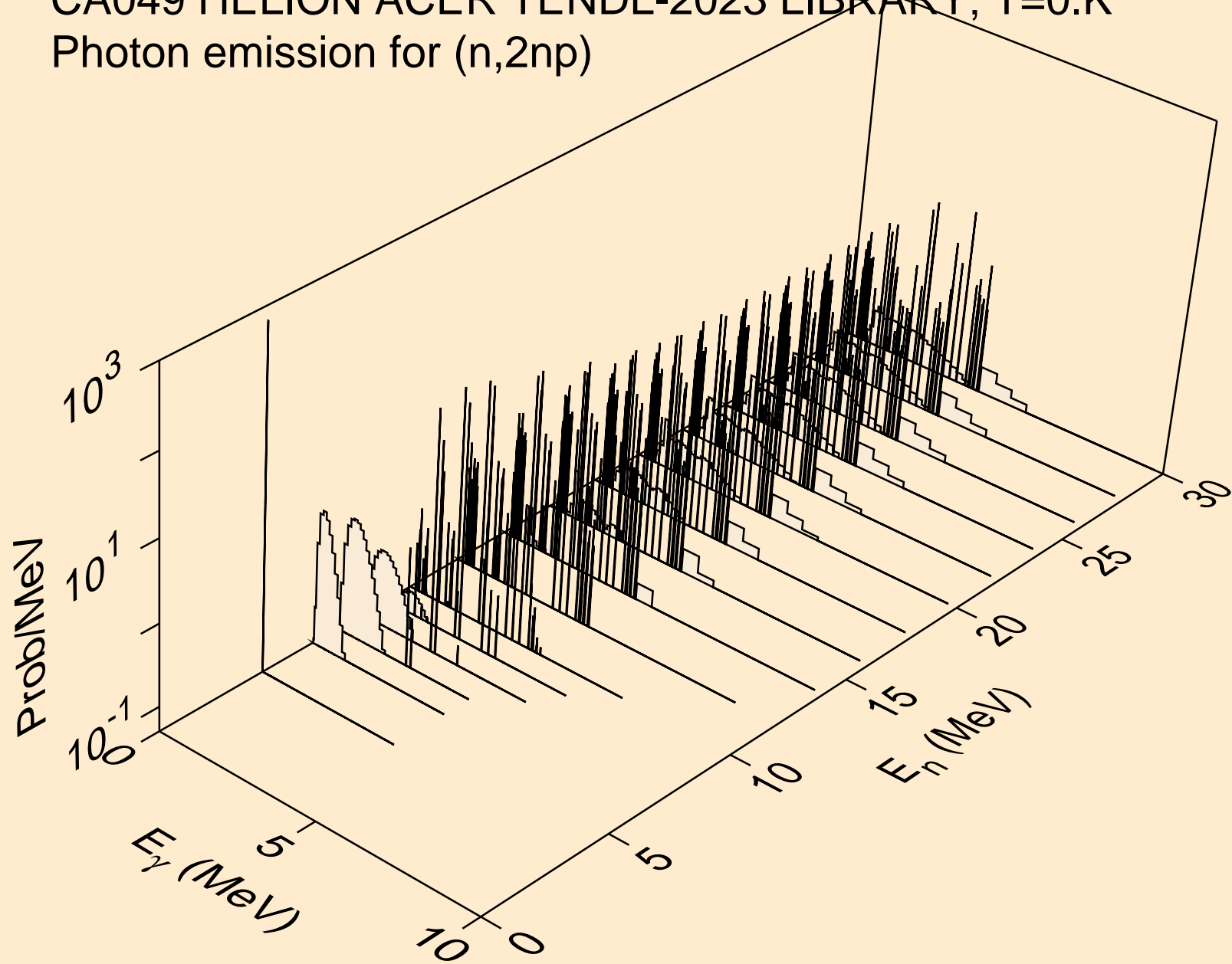


CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)

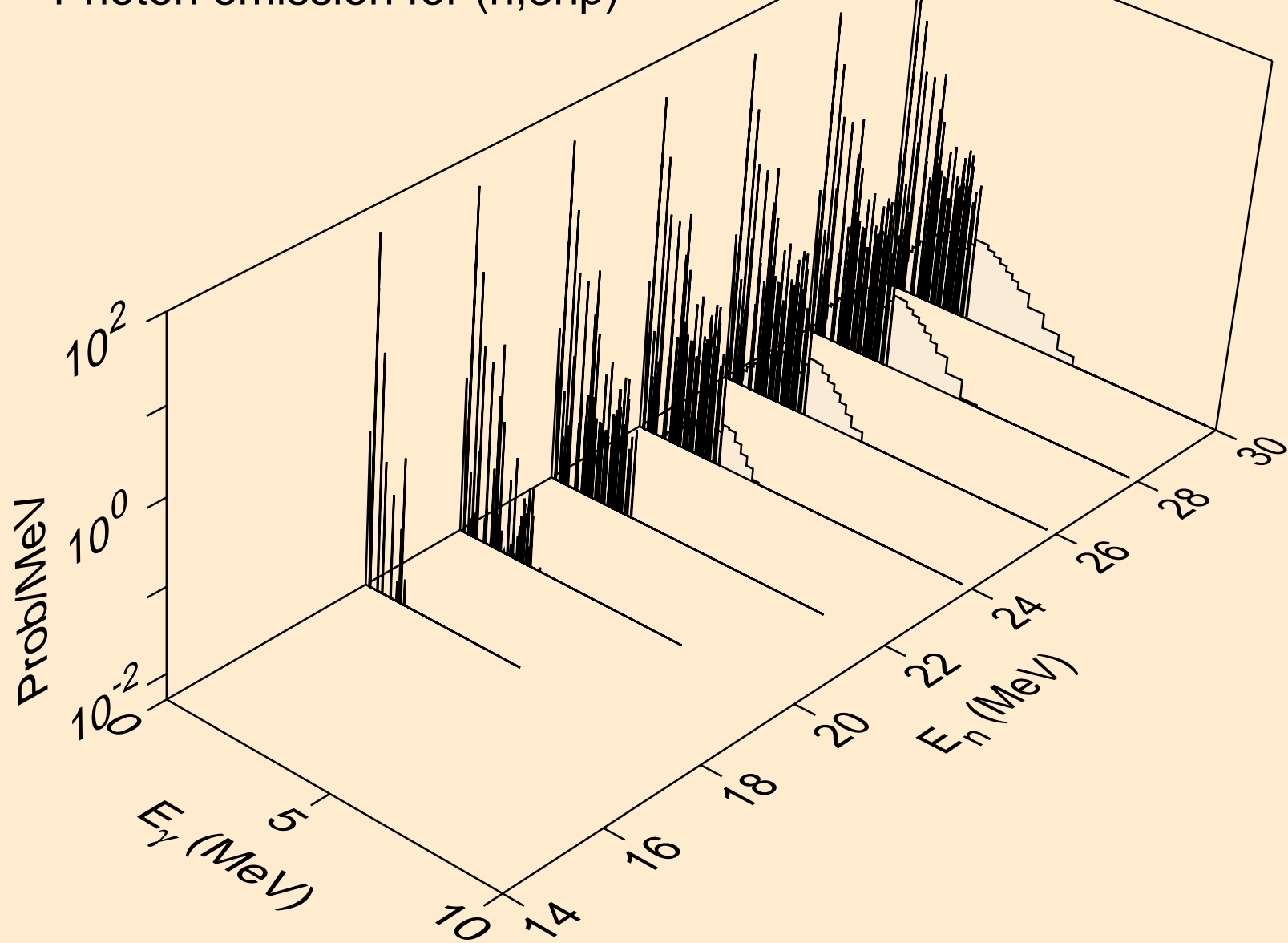




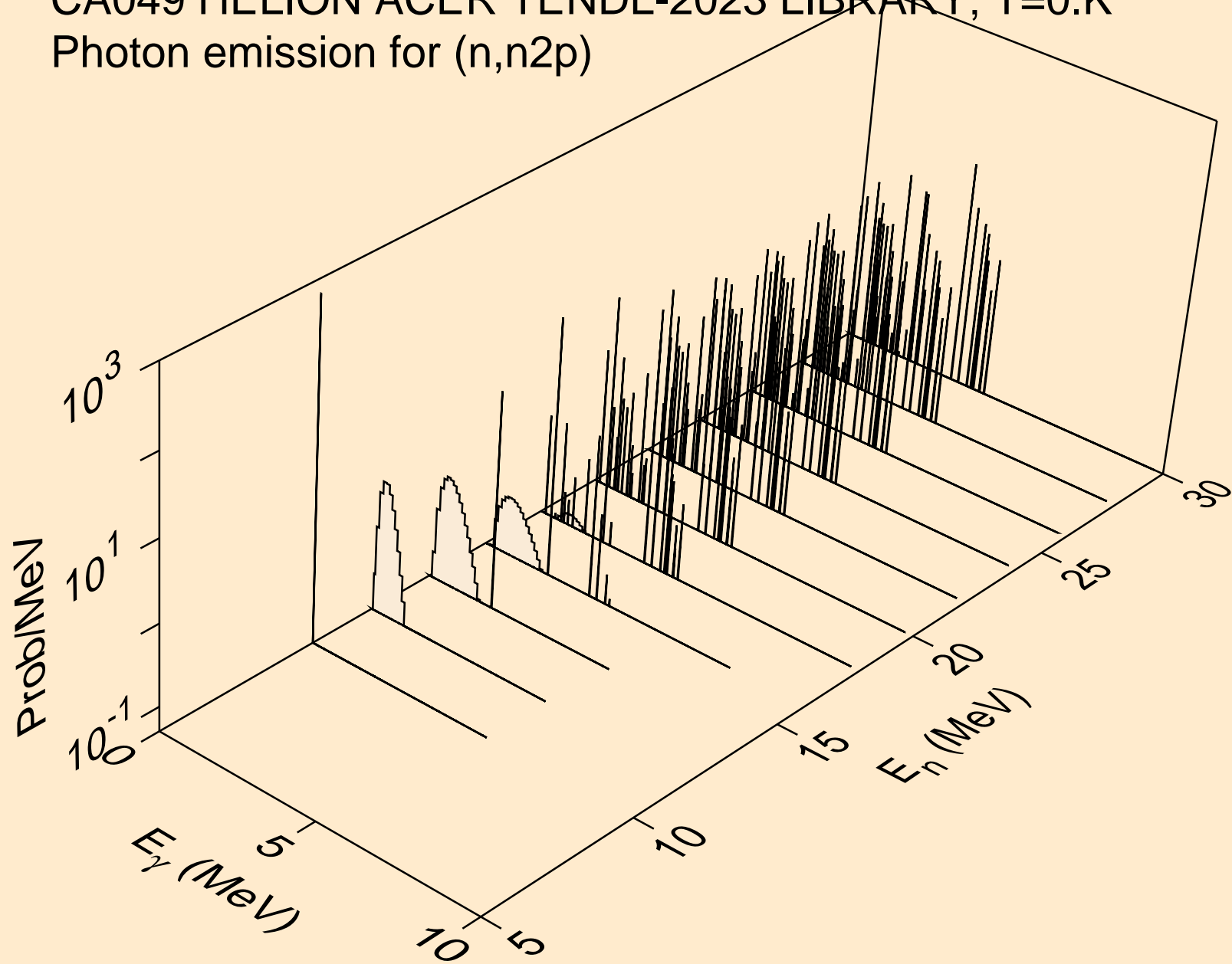
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Photon emission for (n,2np)



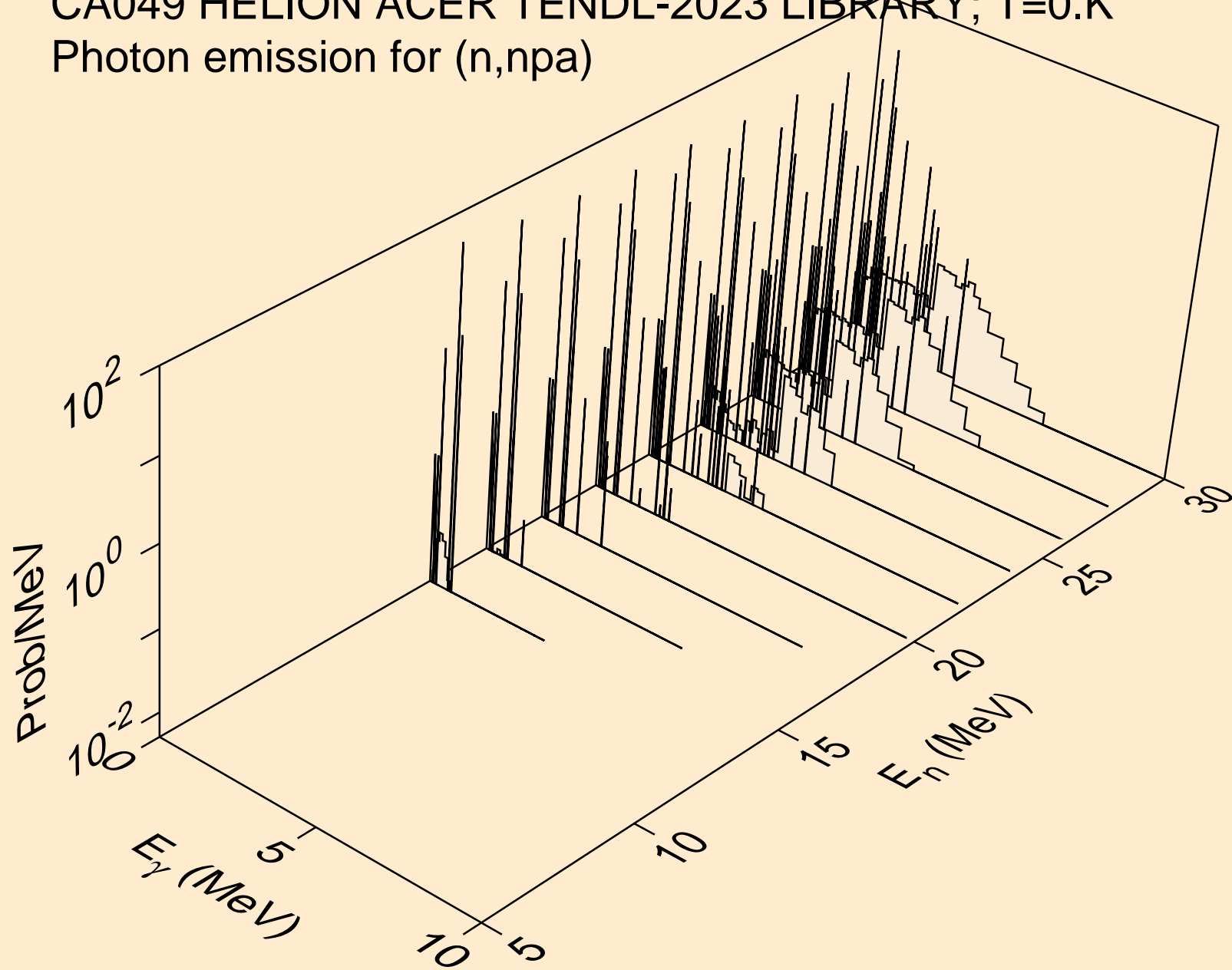
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Photon emission for (n,3np)



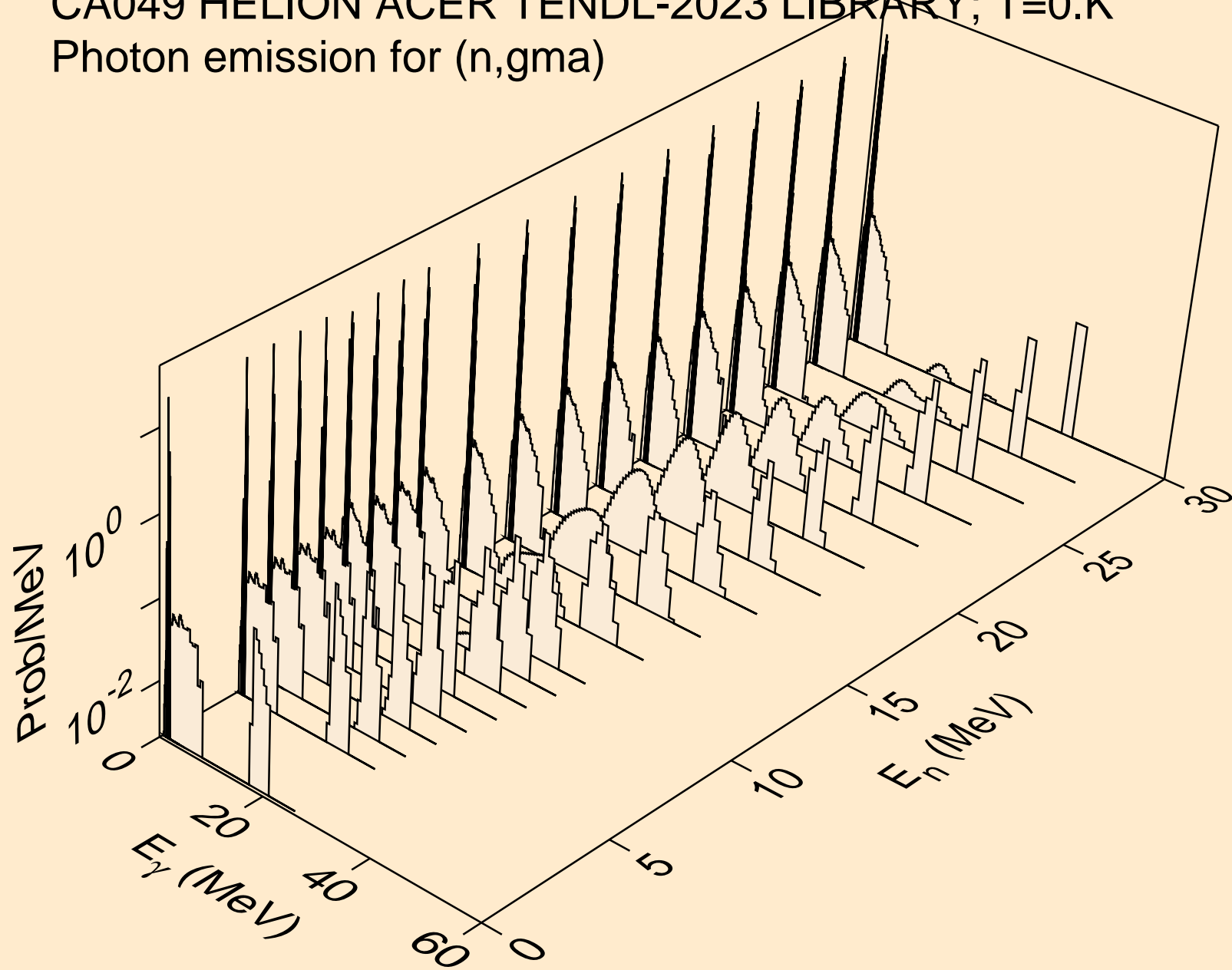
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Photon emission for (n,n2p)



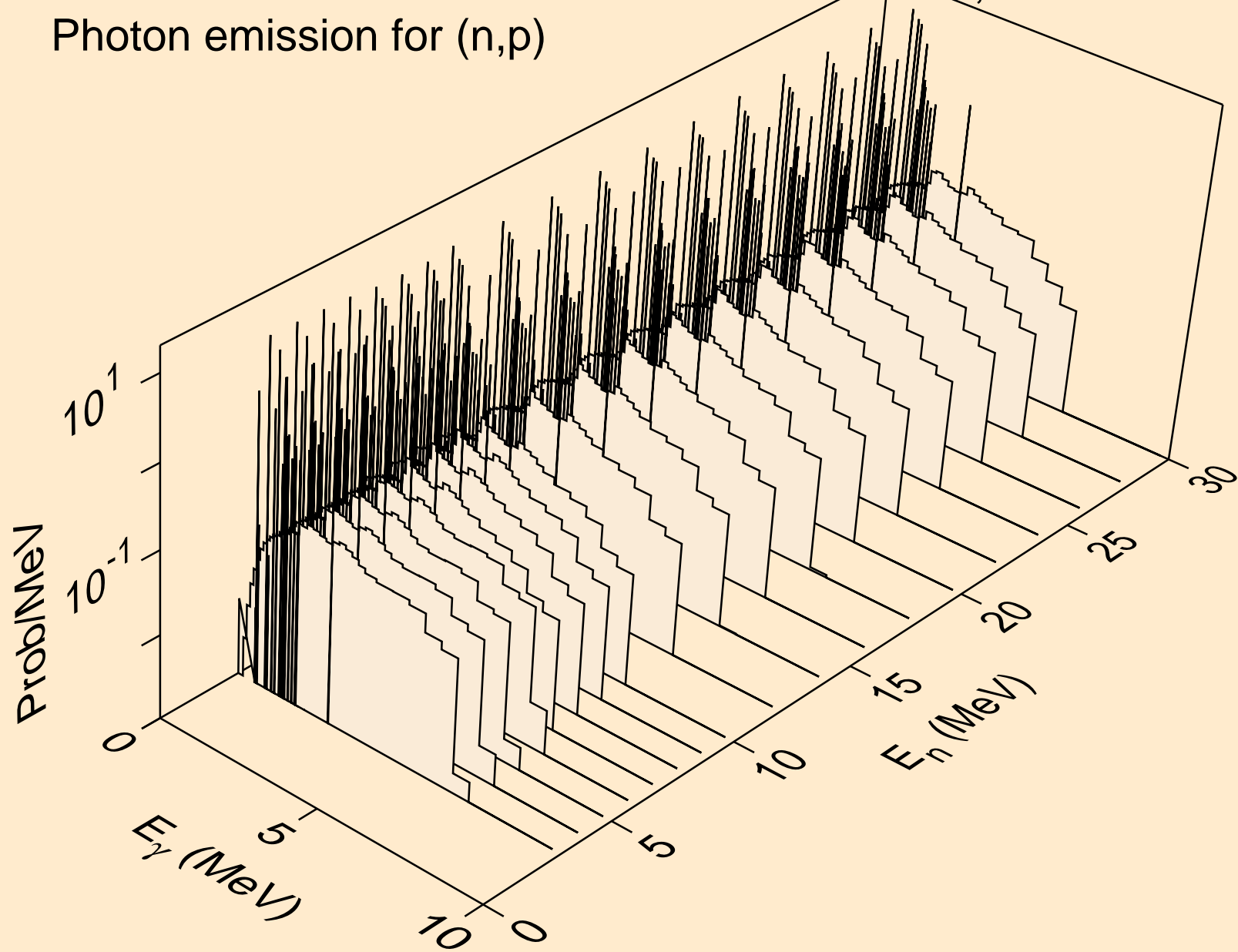
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Photon emission for (n,npa)



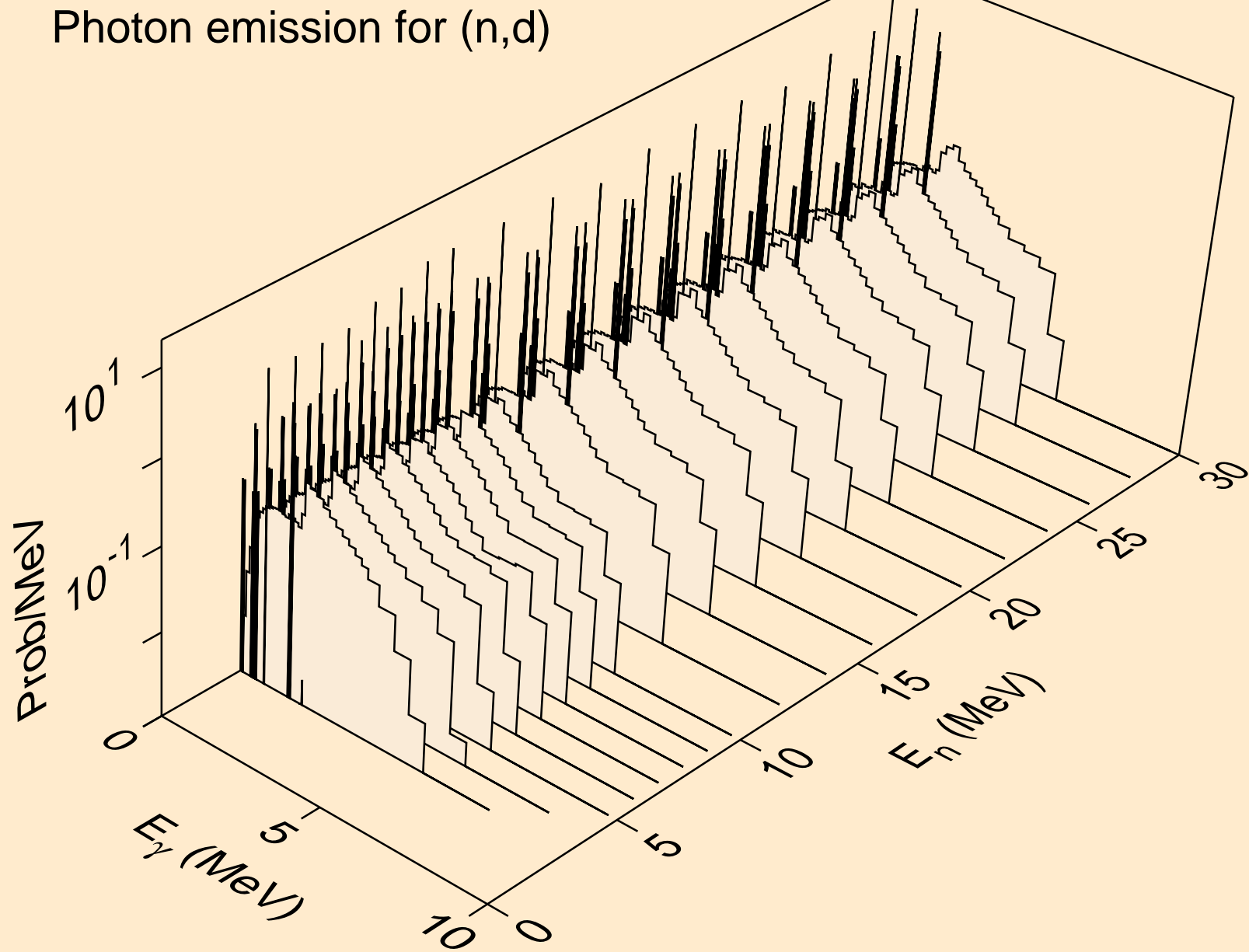
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Photon emission for (n,gma)



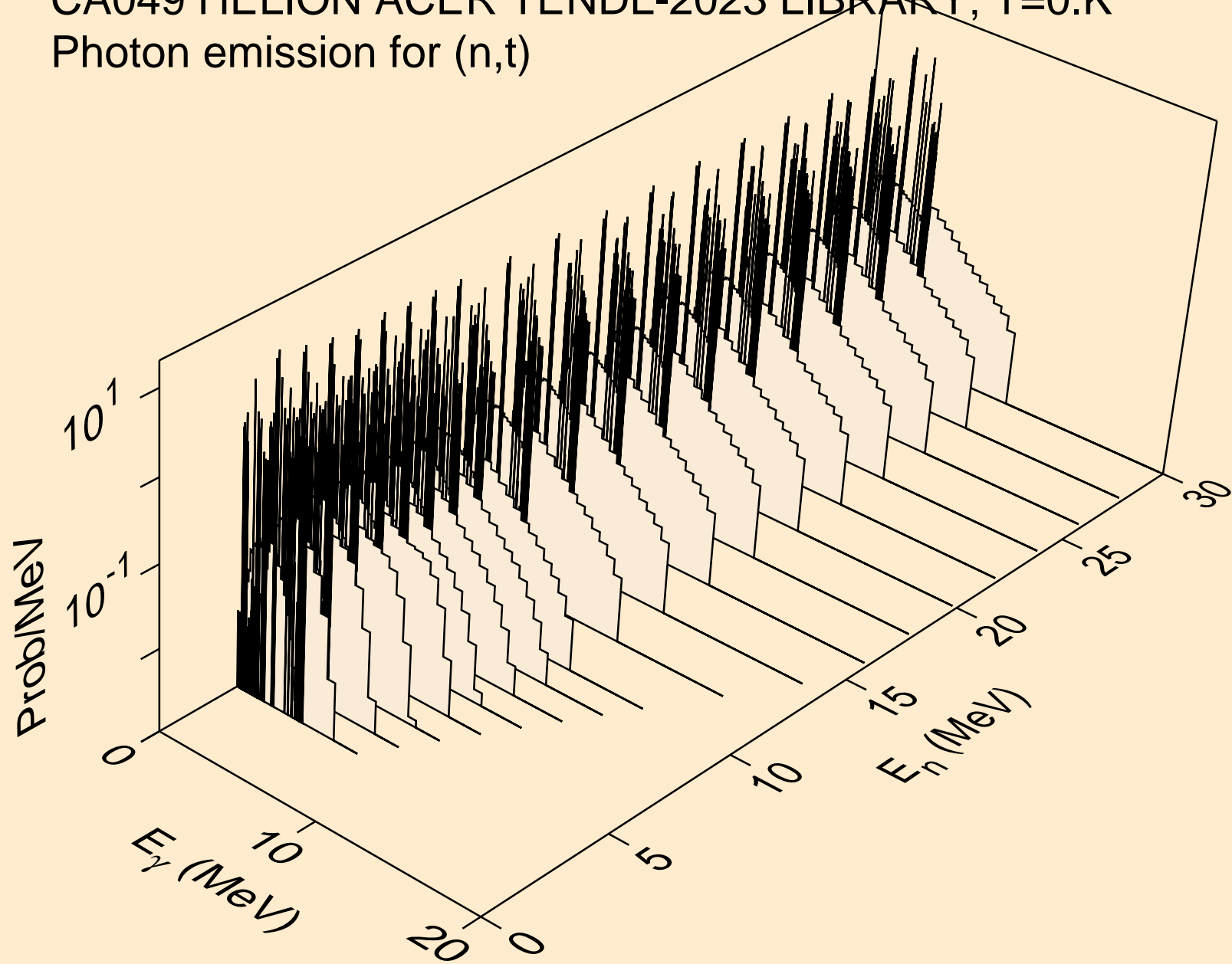
CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)

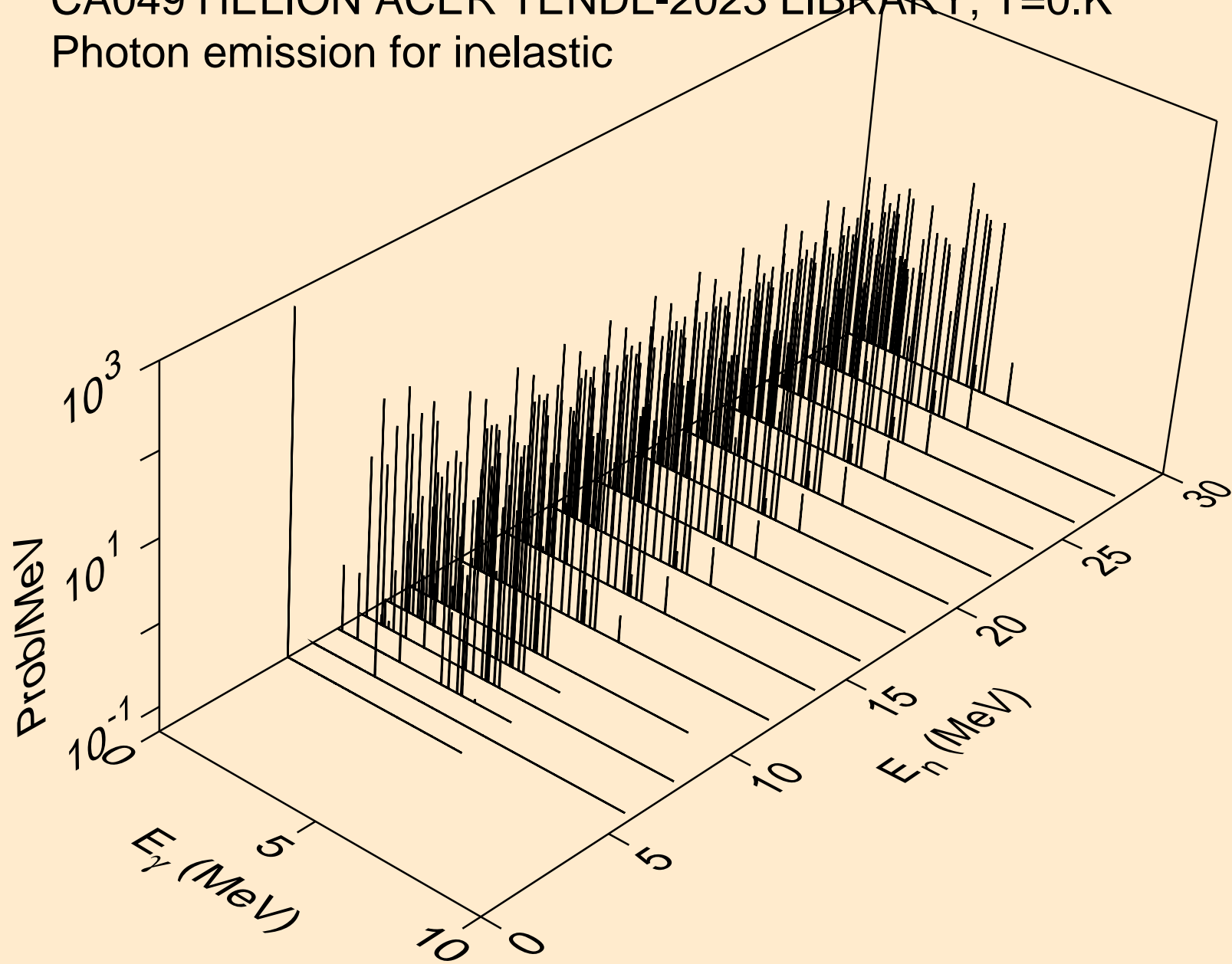


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Photon emission for (n,t)

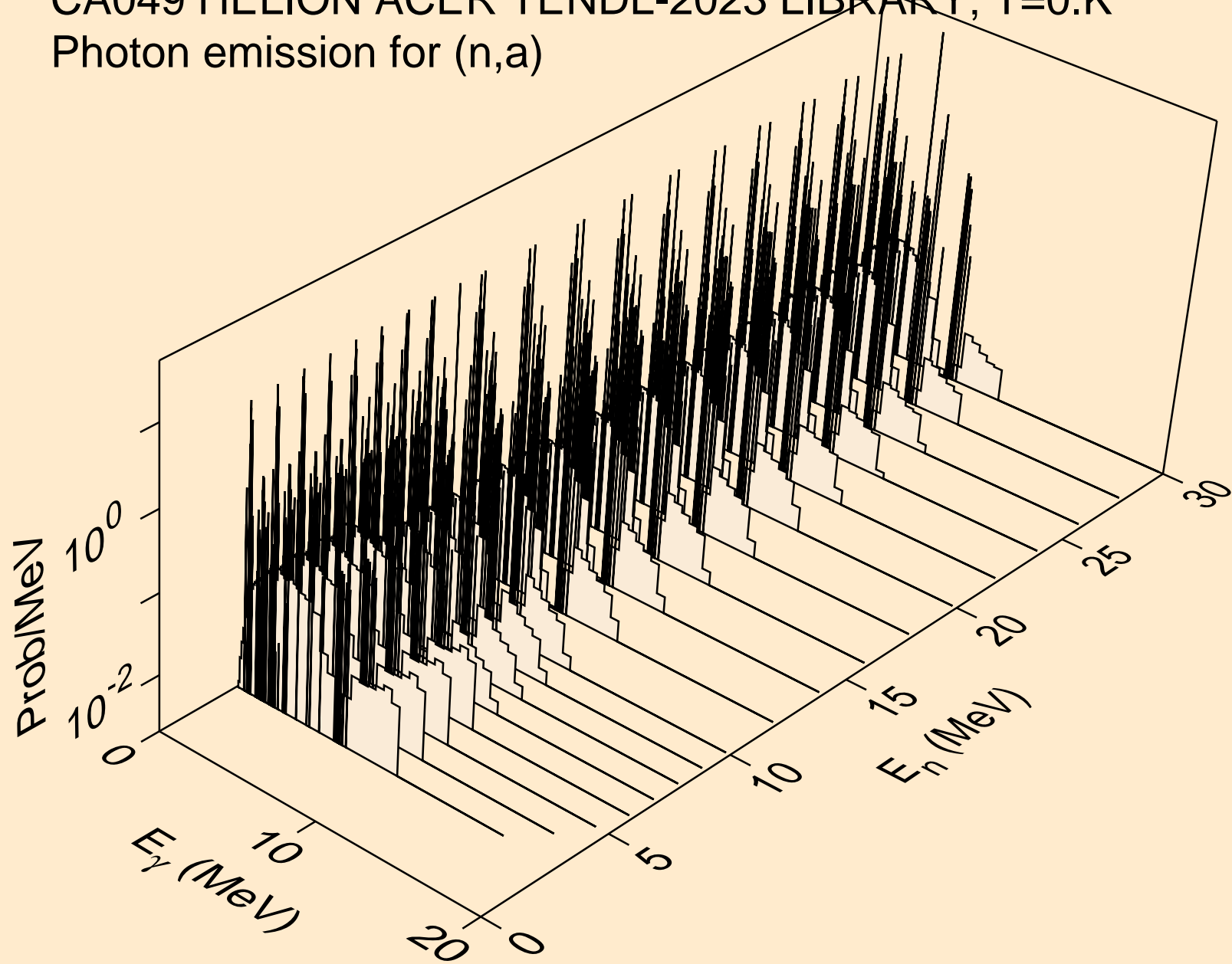




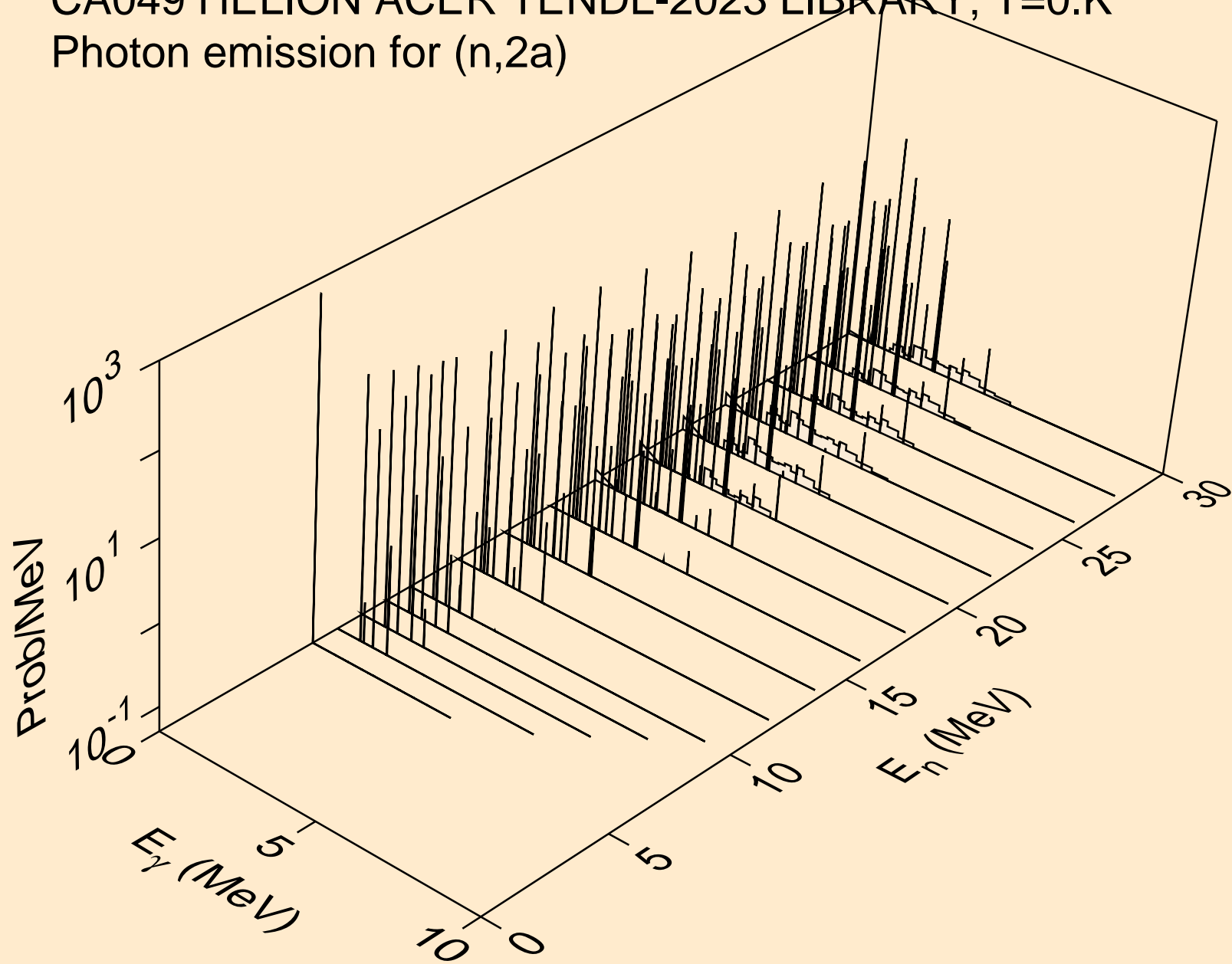
CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



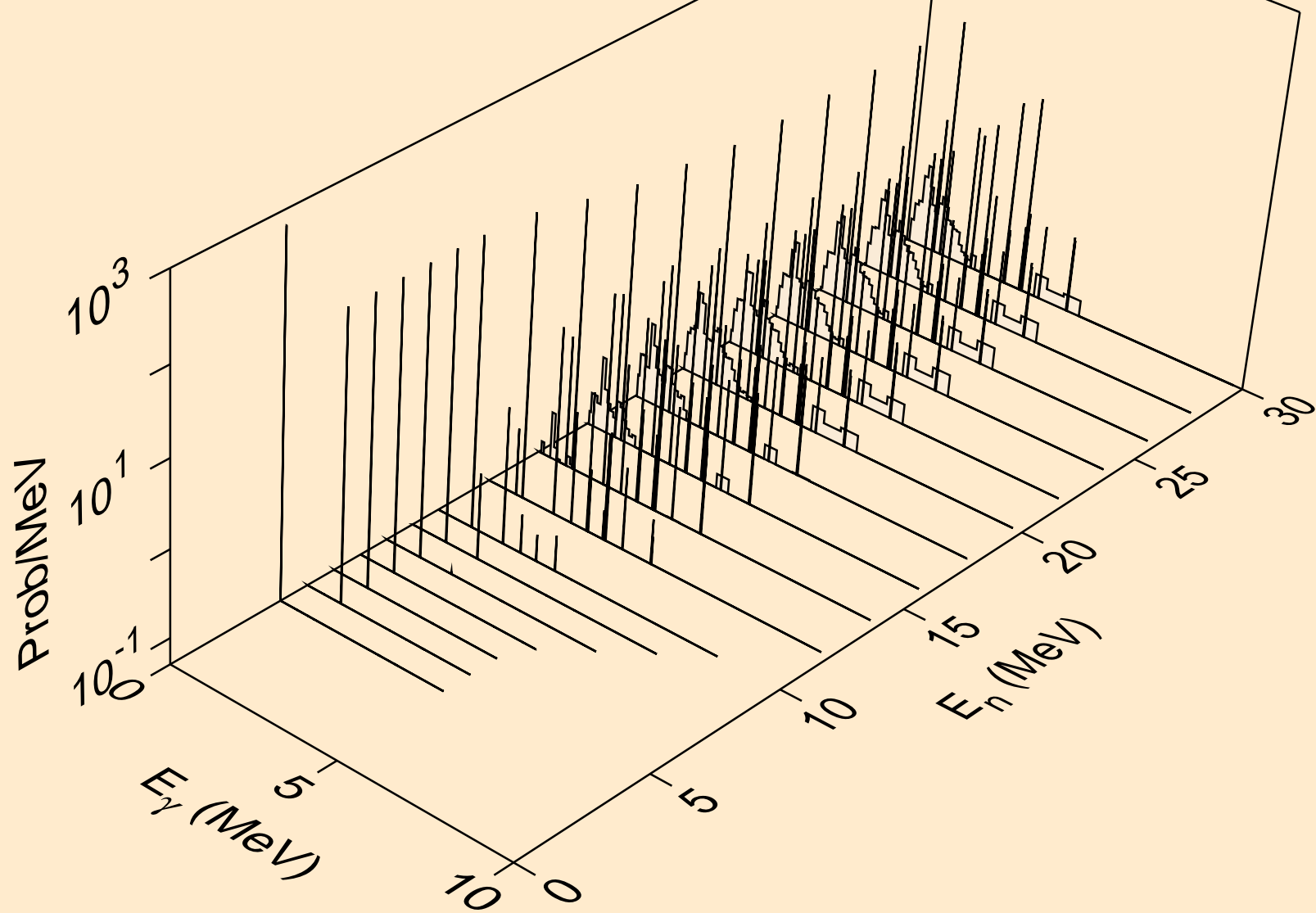
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Photon emission for (n,a)



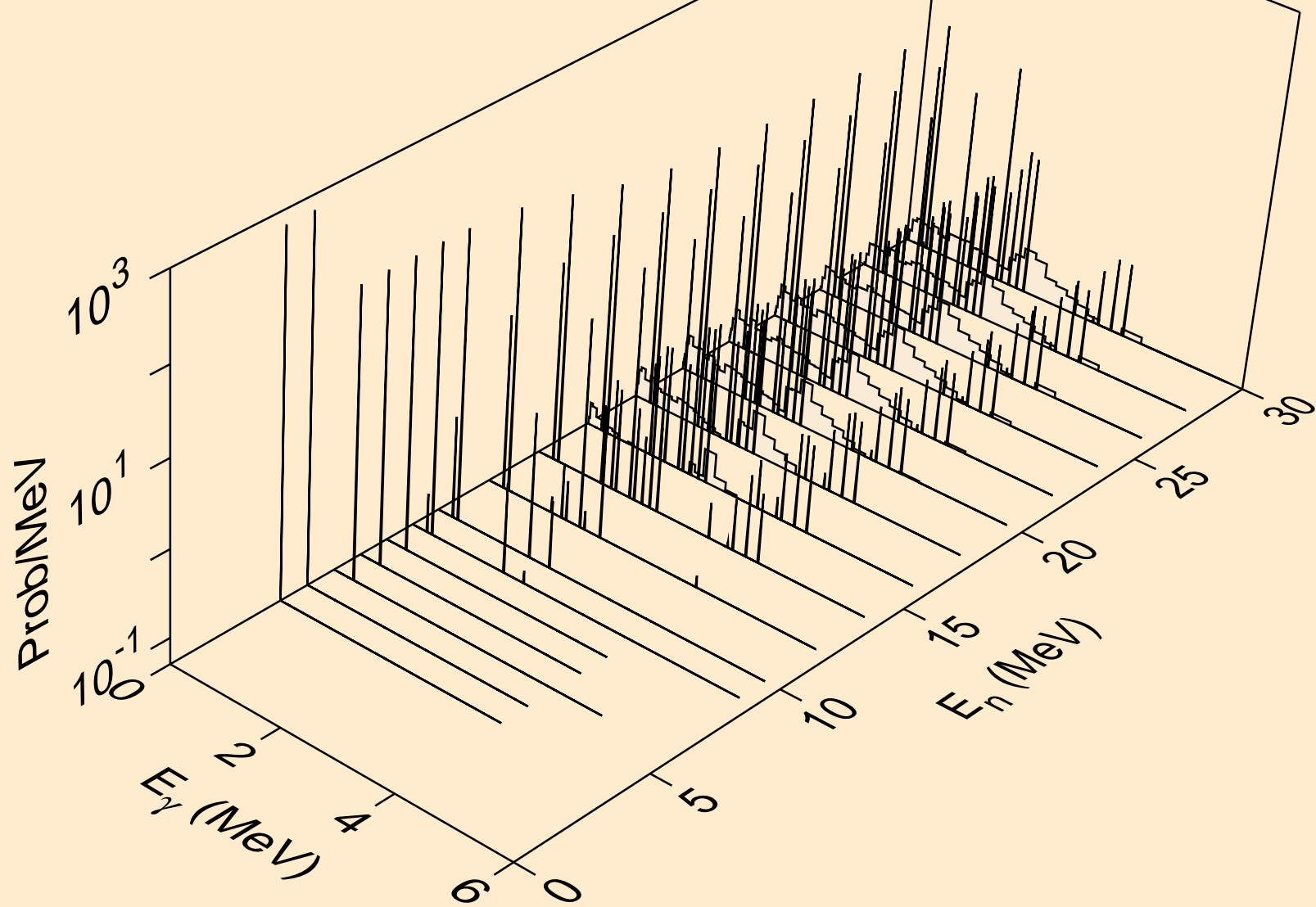
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Photon emission for (n,2a)



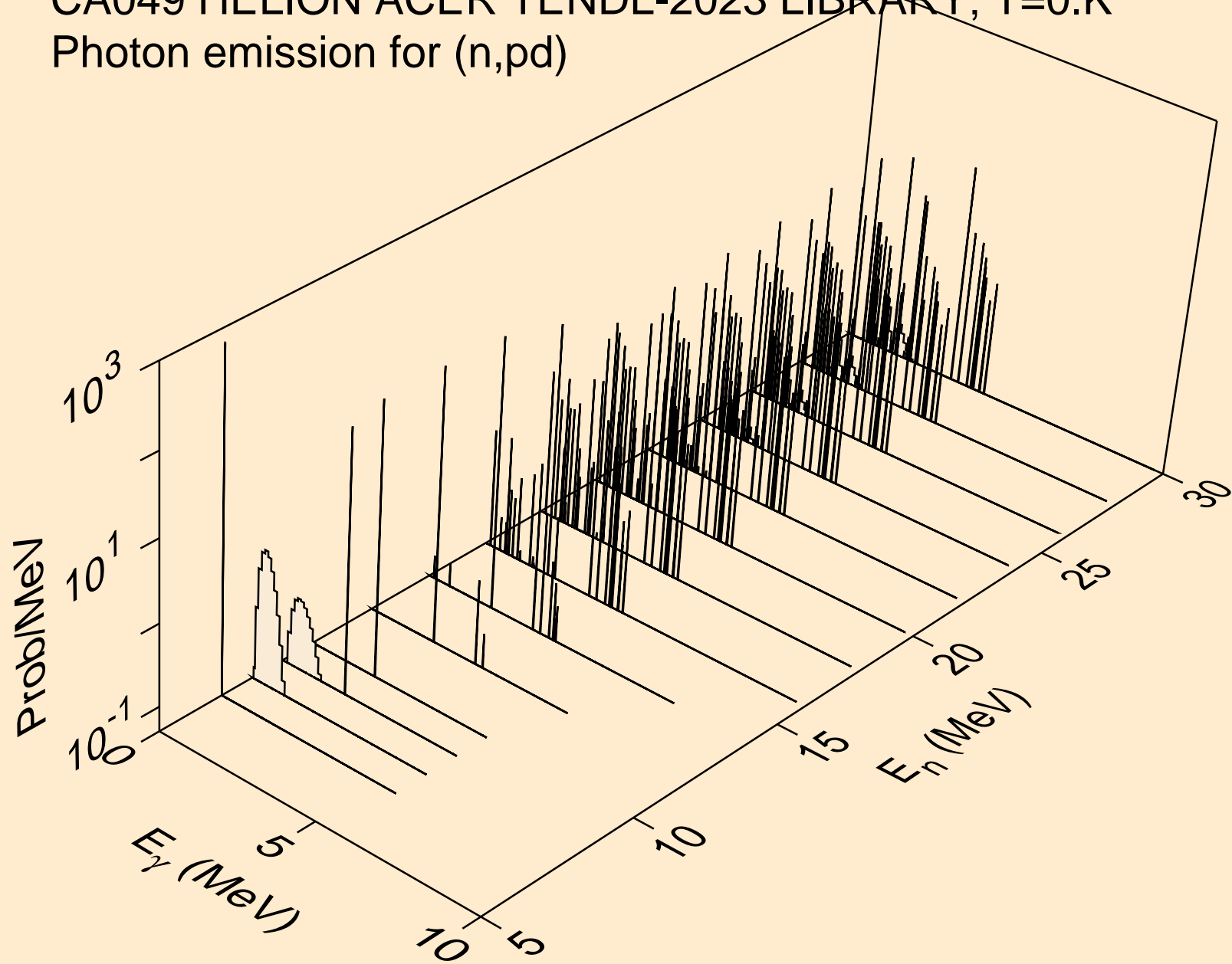
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Photon emission for (n,2p)



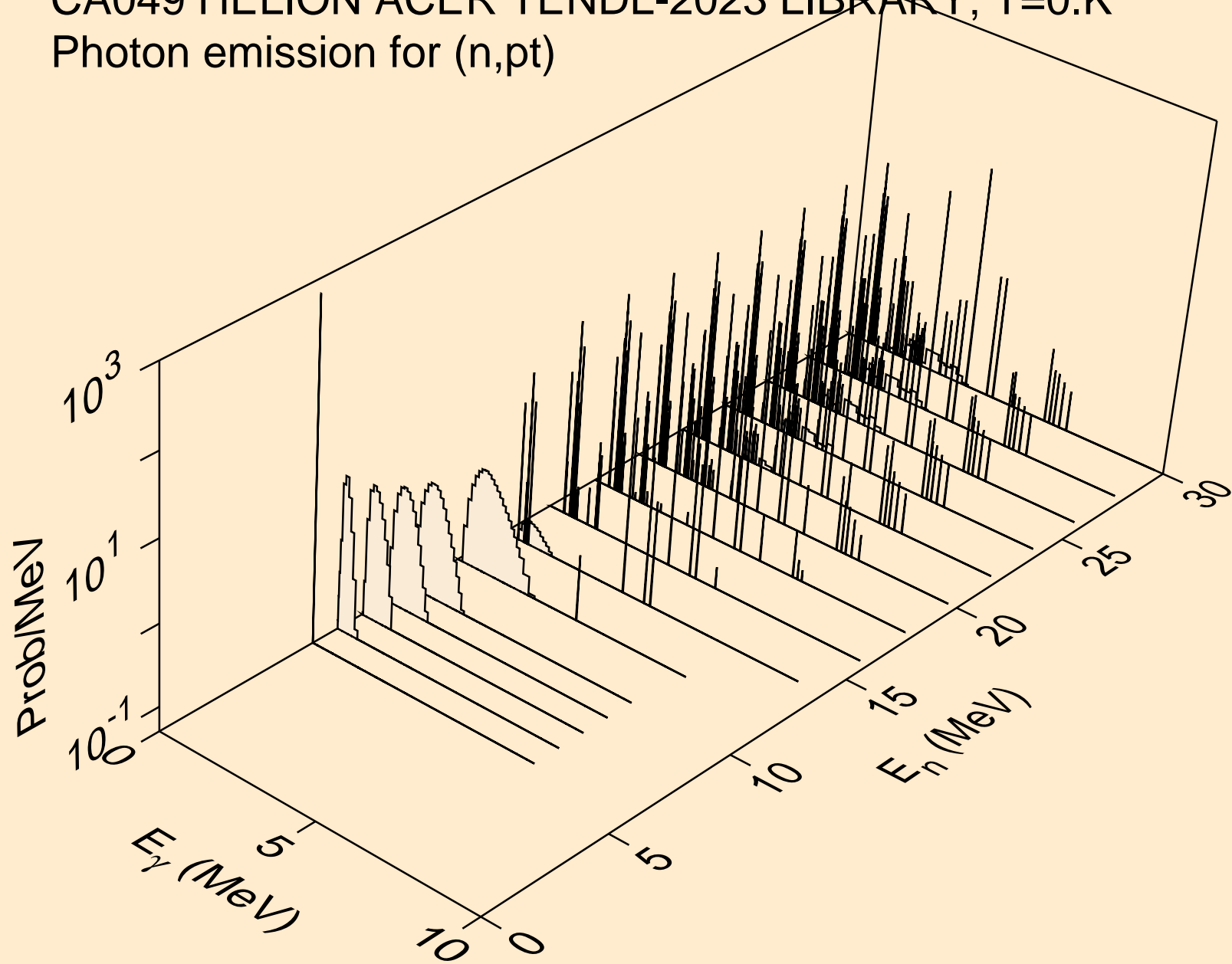
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Photon emission for (n,pa)



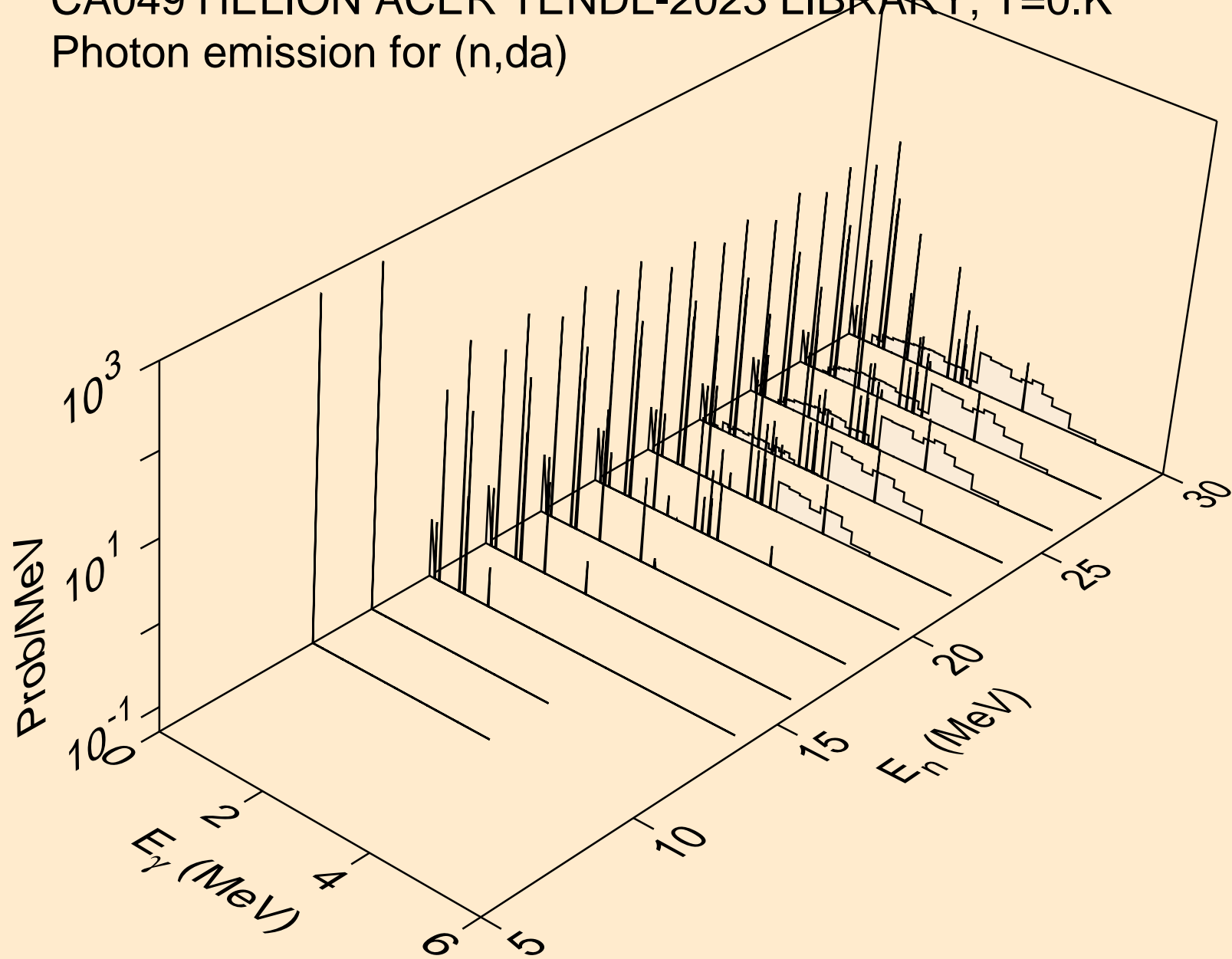
CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

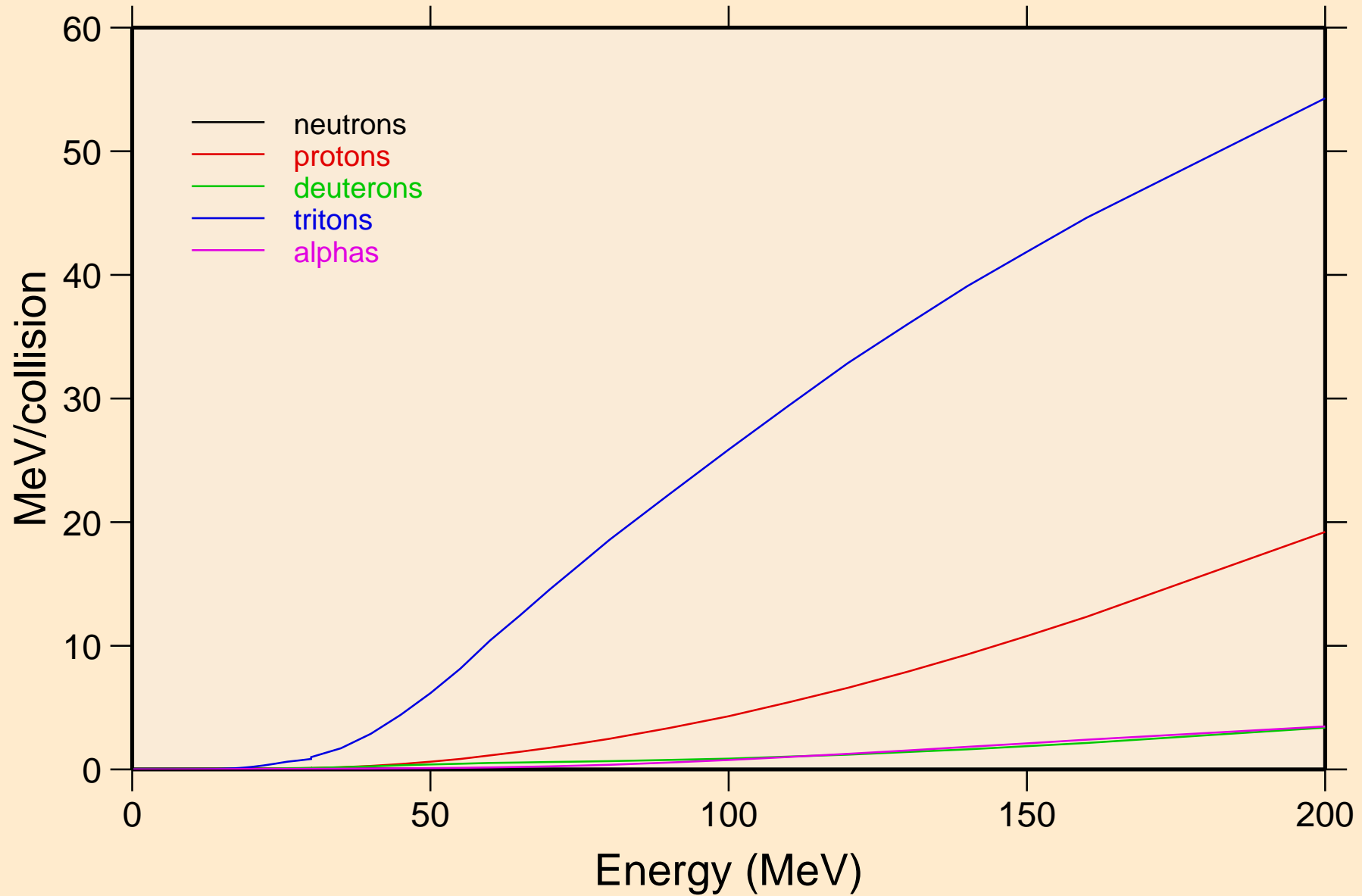


CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

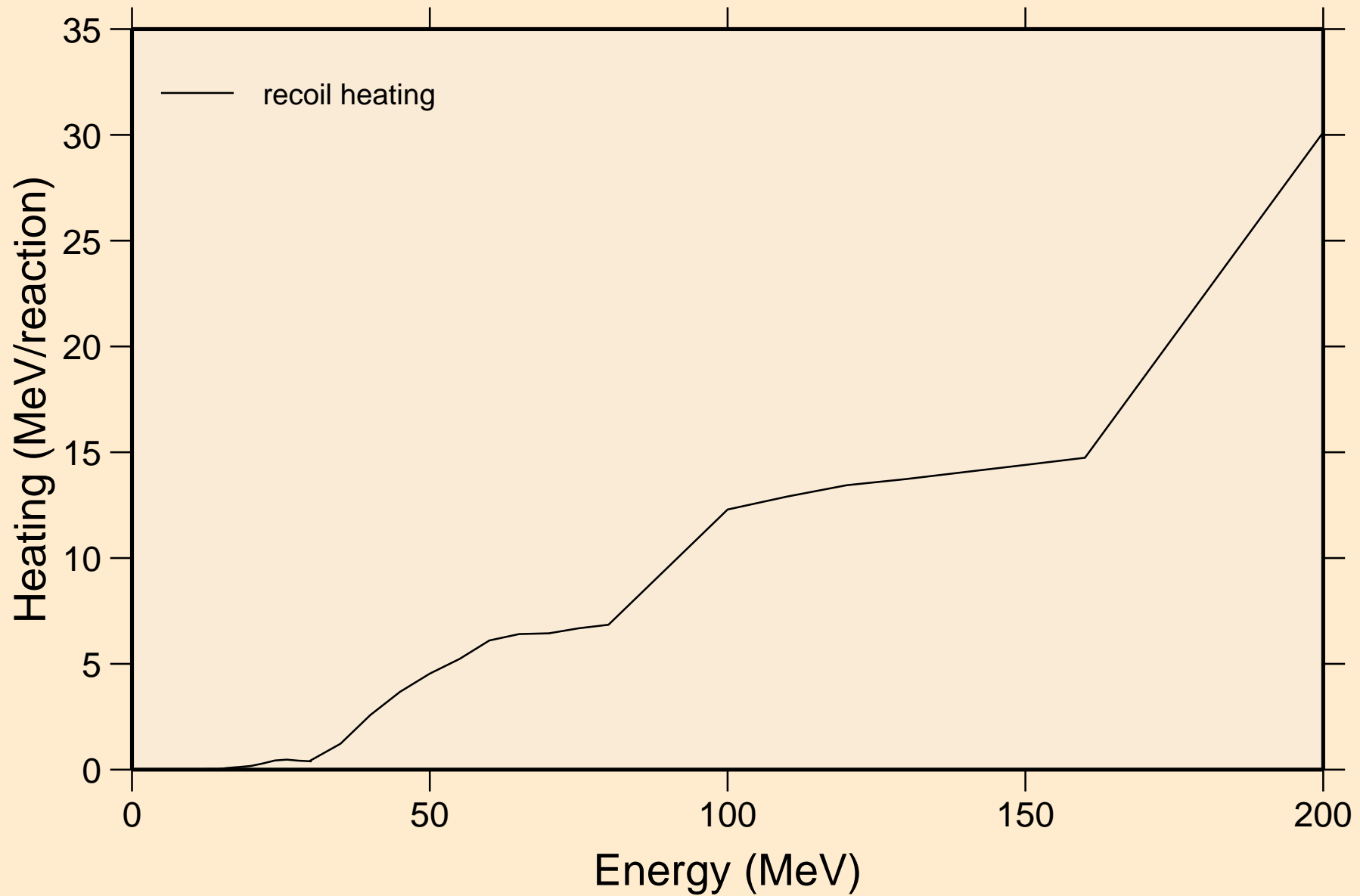




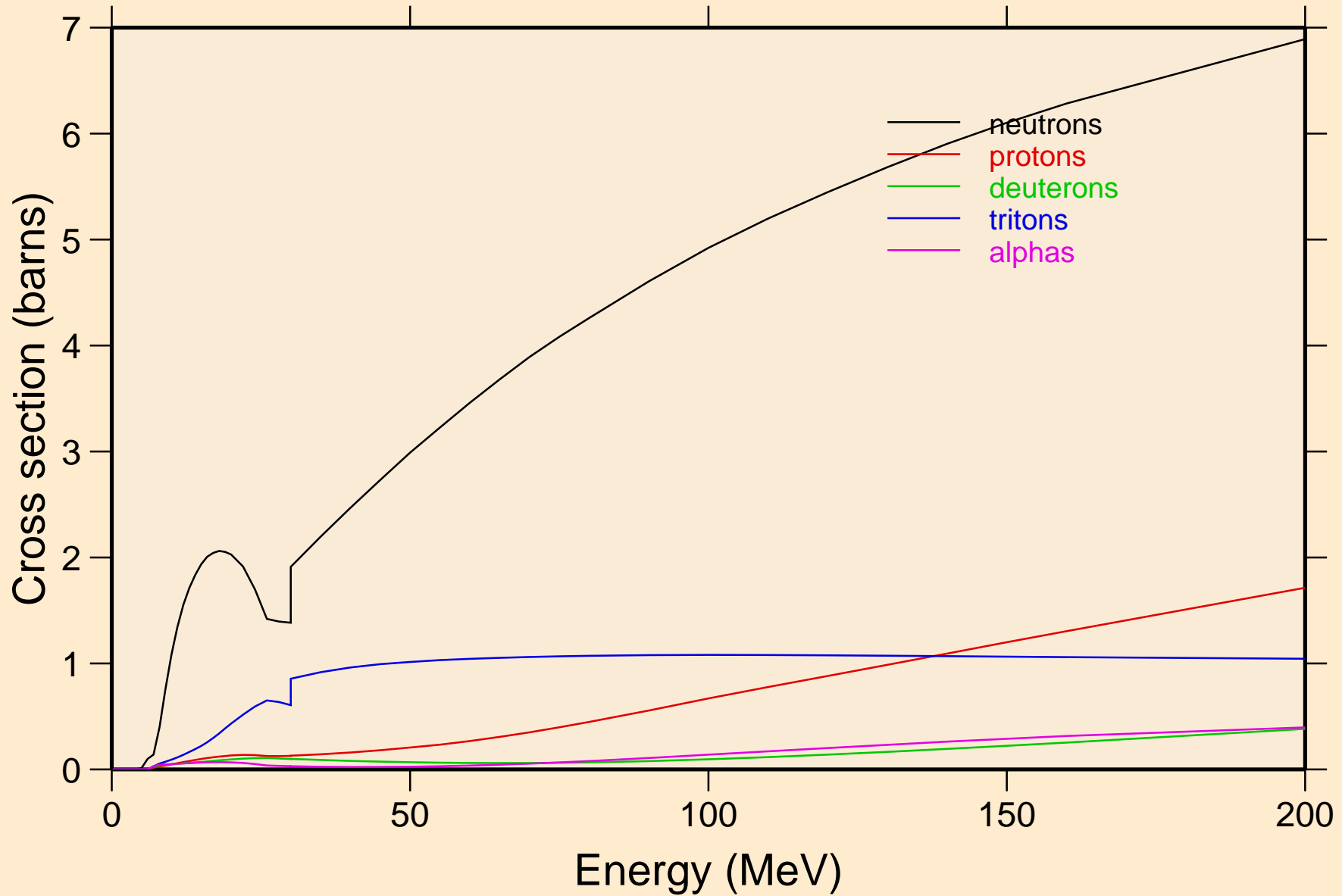
CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions



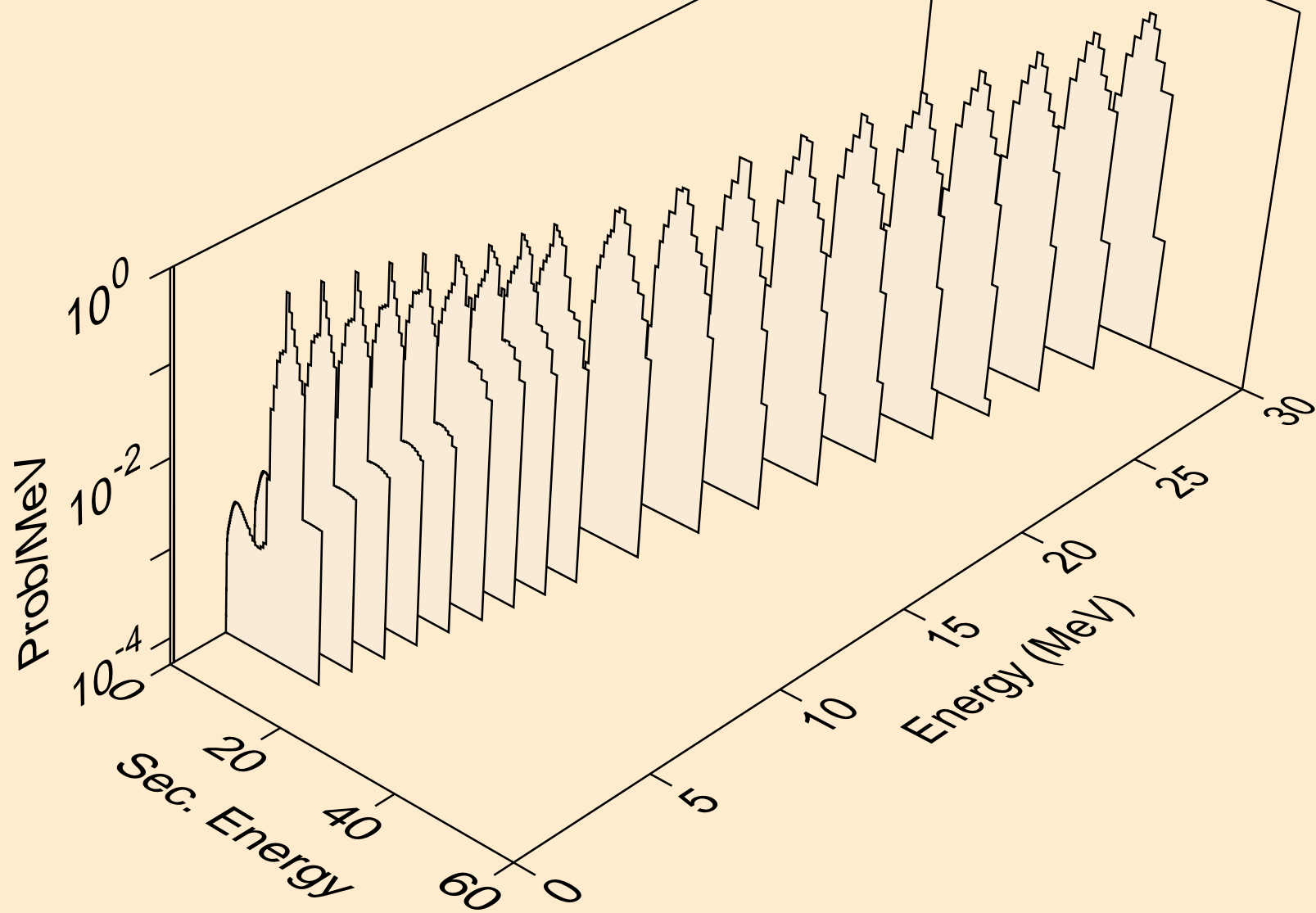
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Recoil Heating



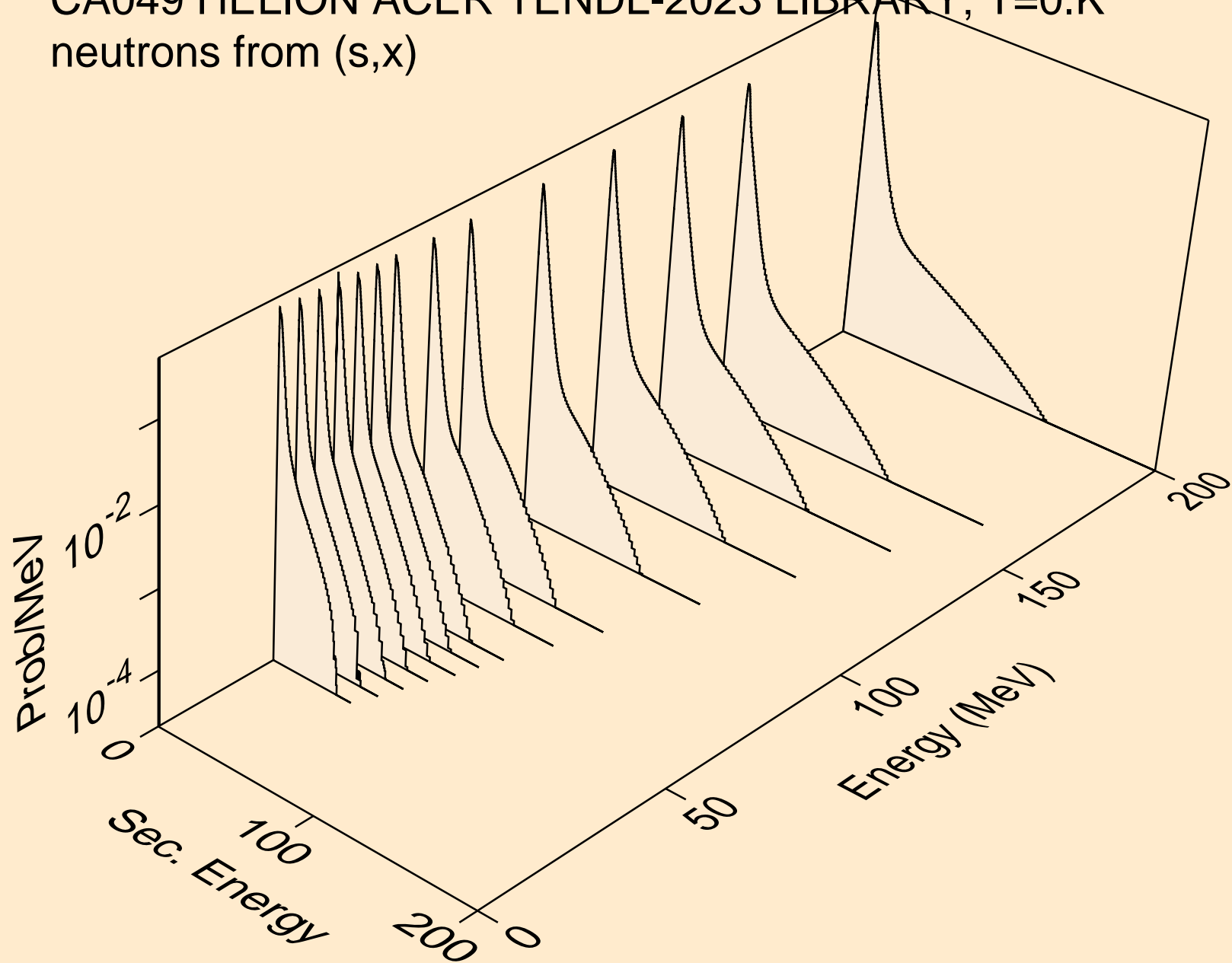
CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



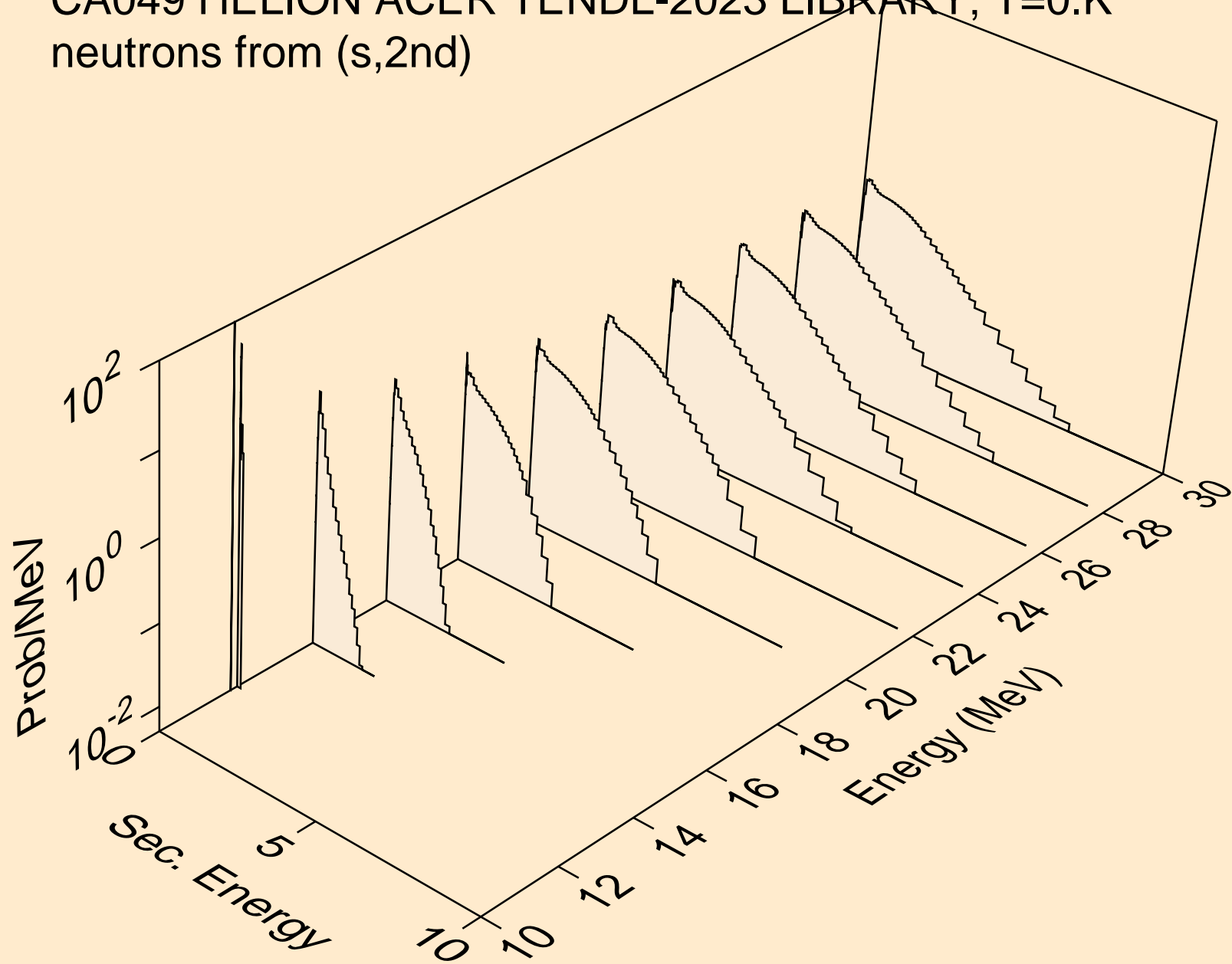
CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



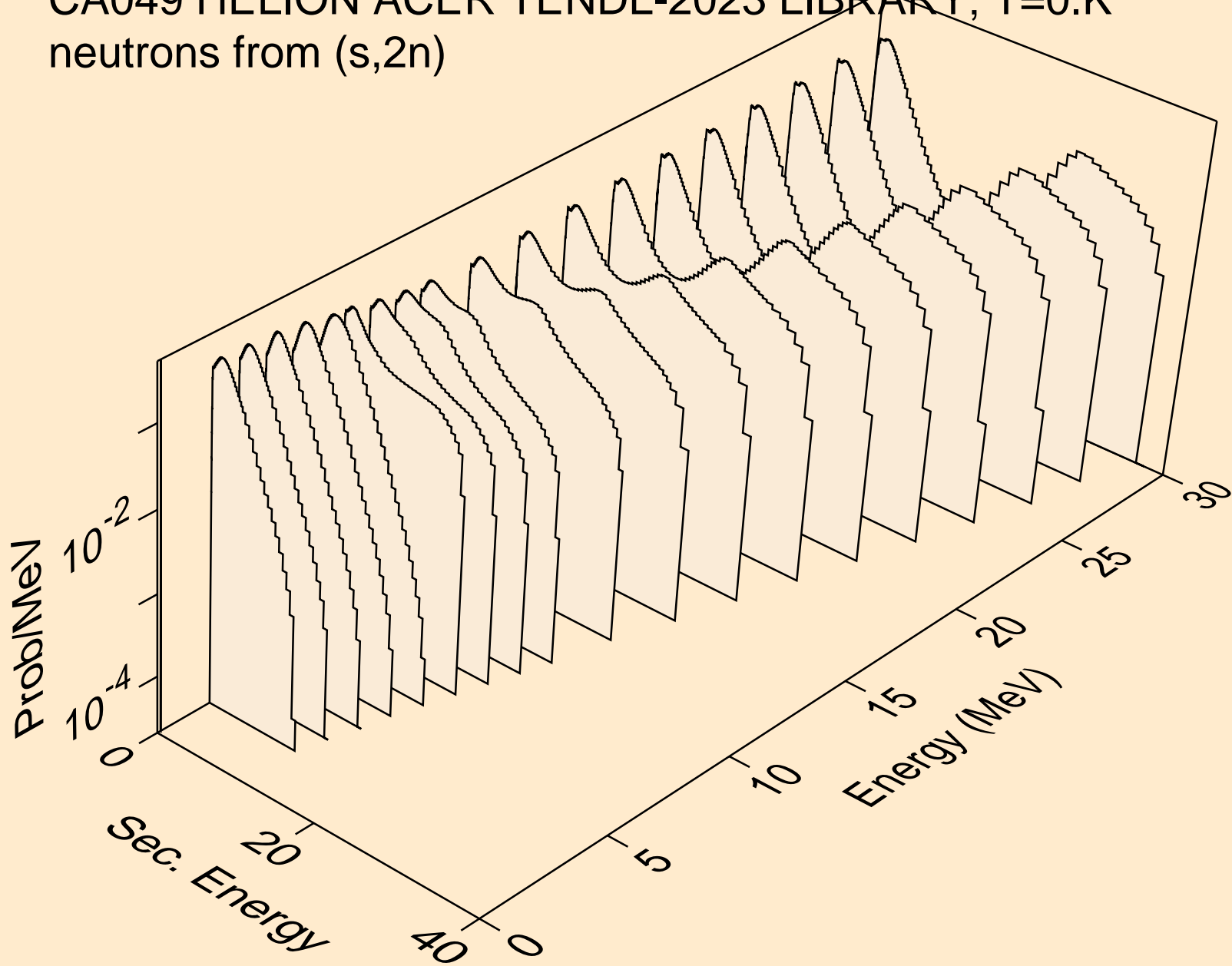
CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,x)



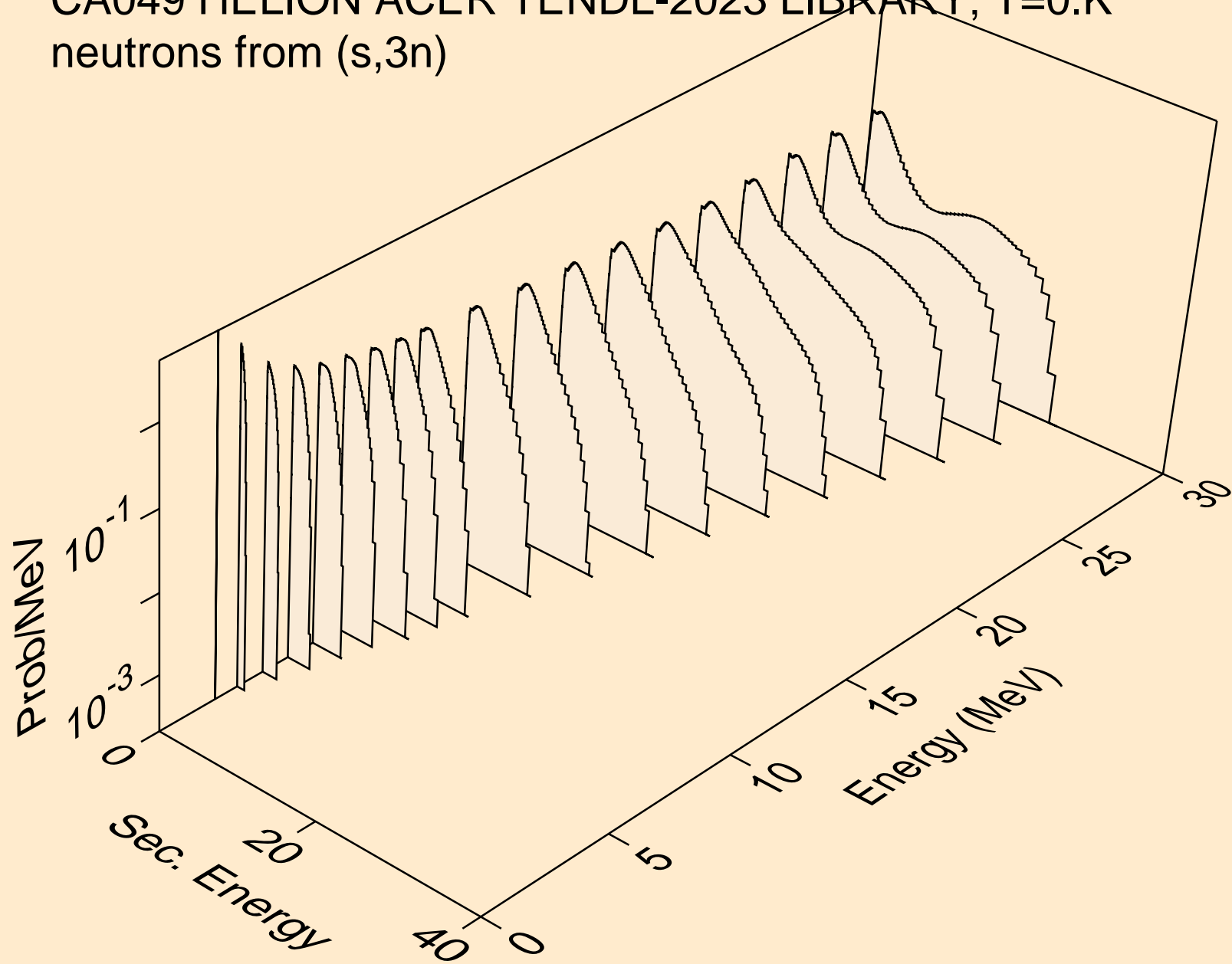
CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2nd)



CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)

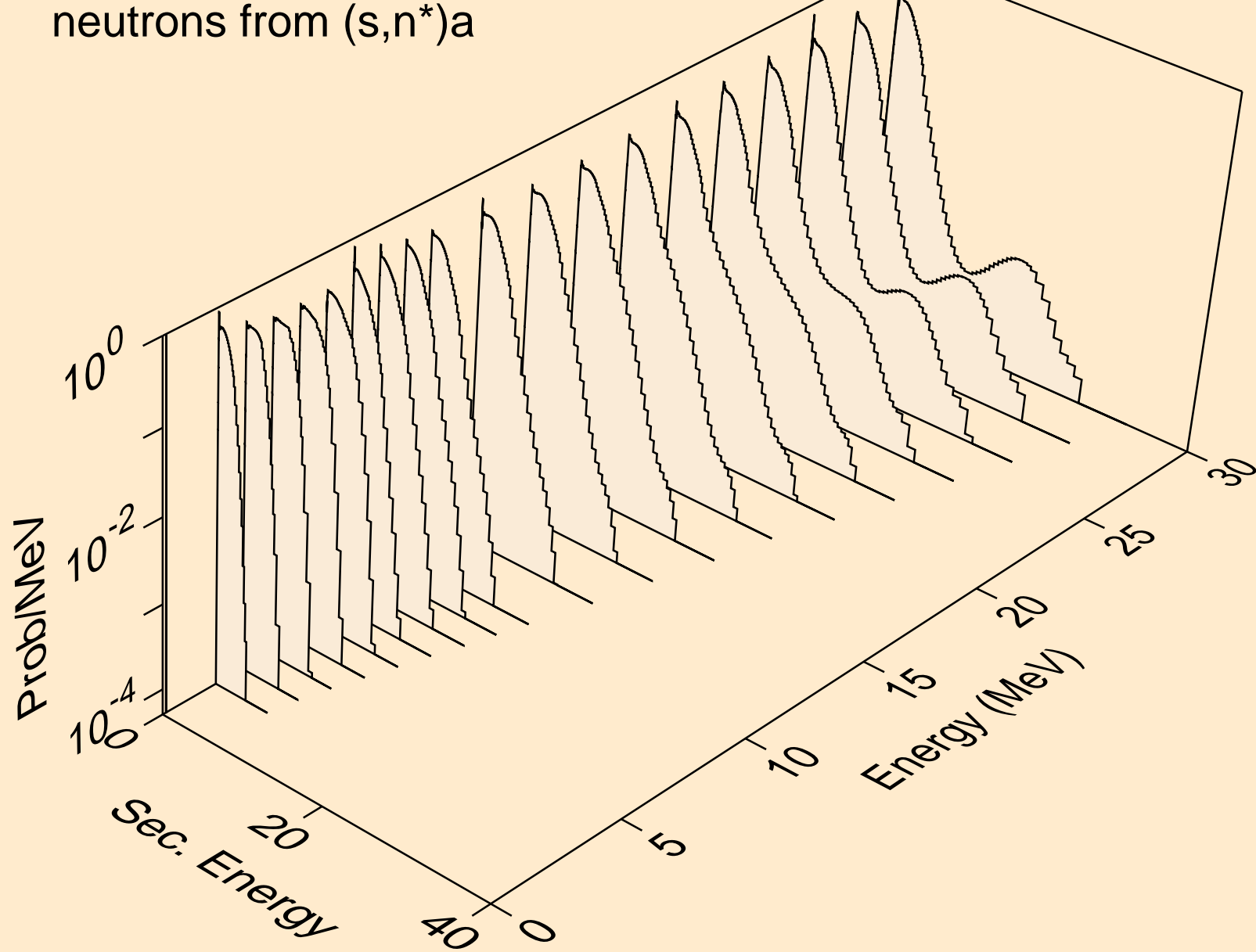


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neutrons from (s,3n)

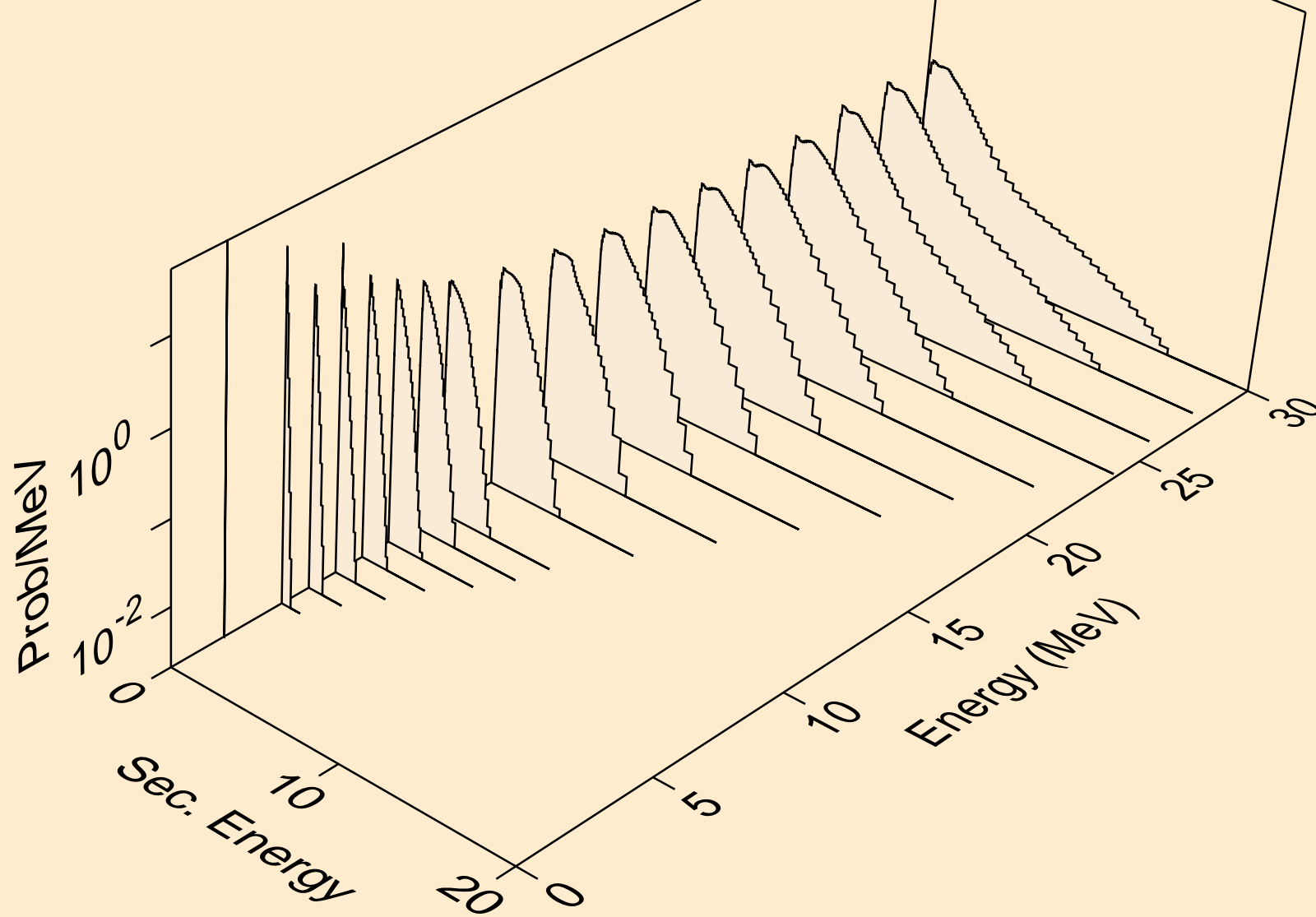




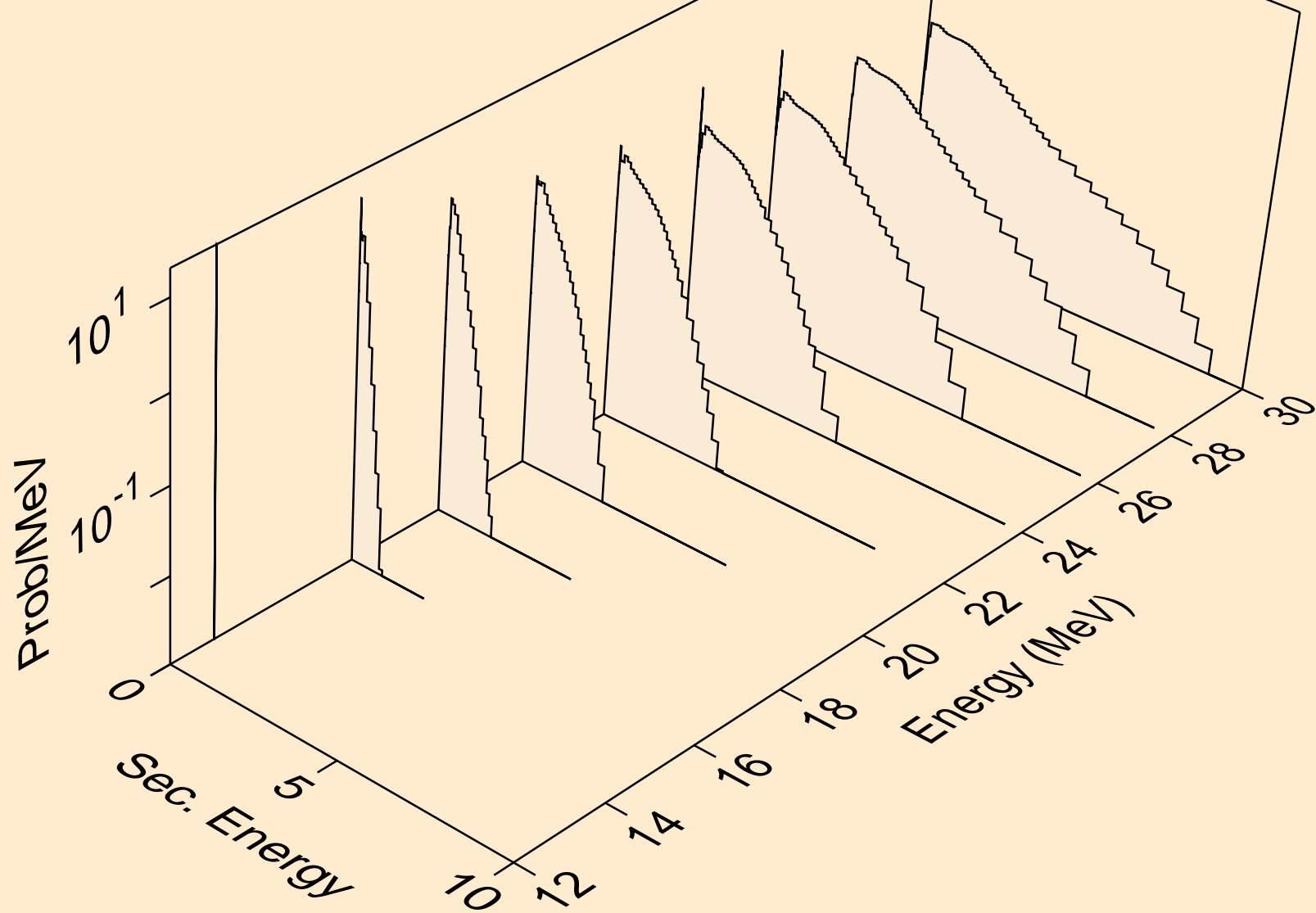
CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a



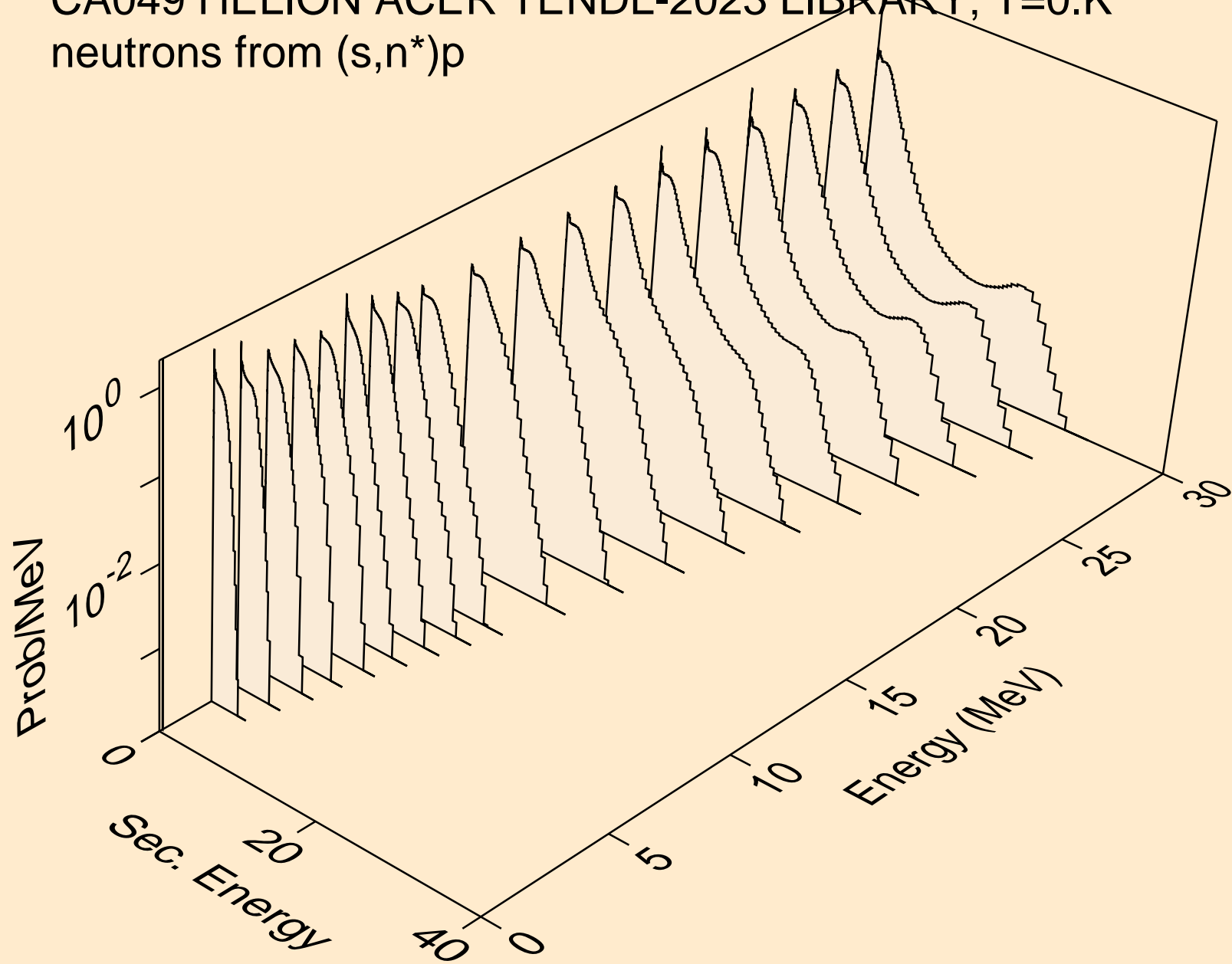
CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)a



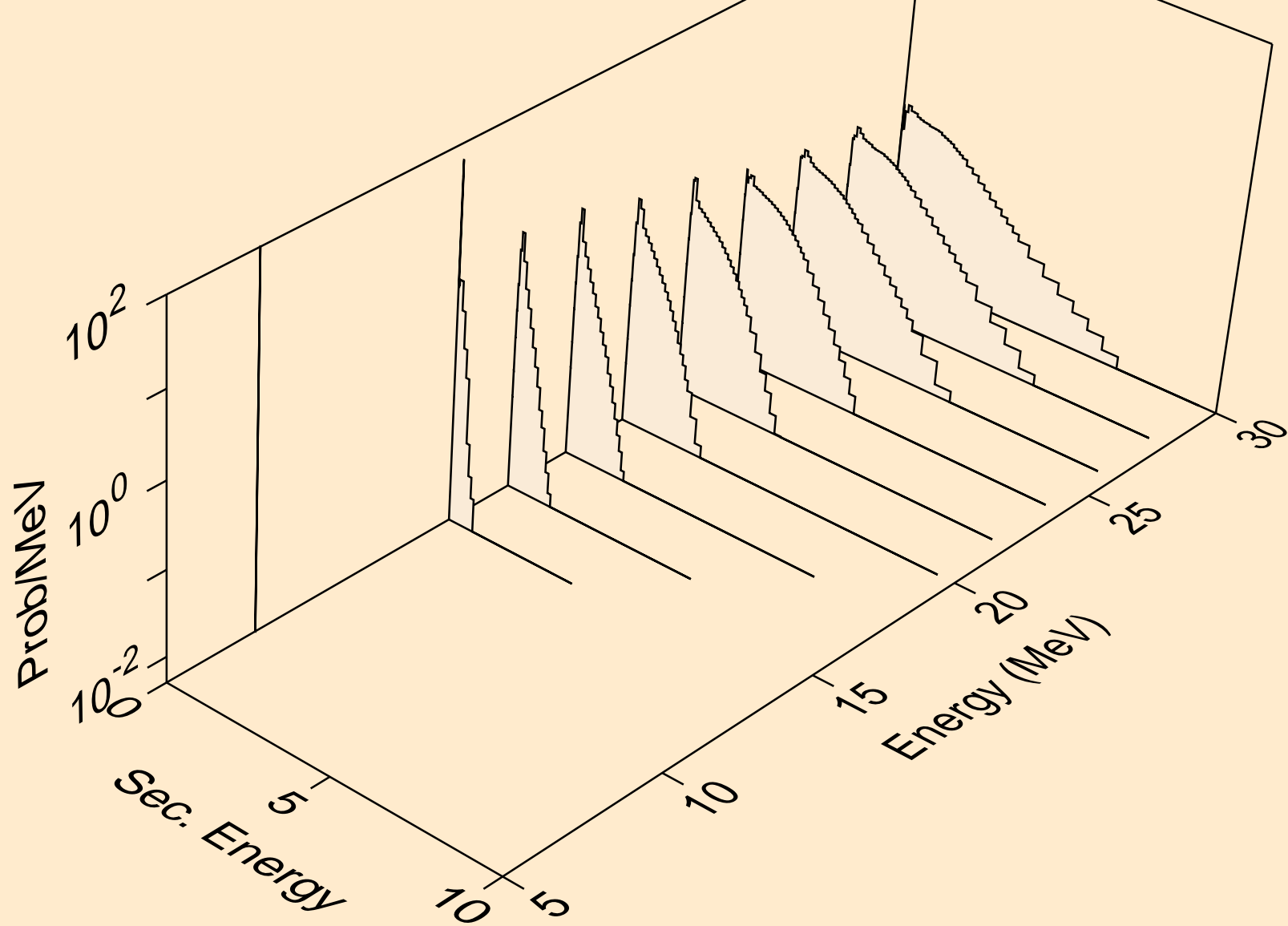
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neutrons from (s,3n)a



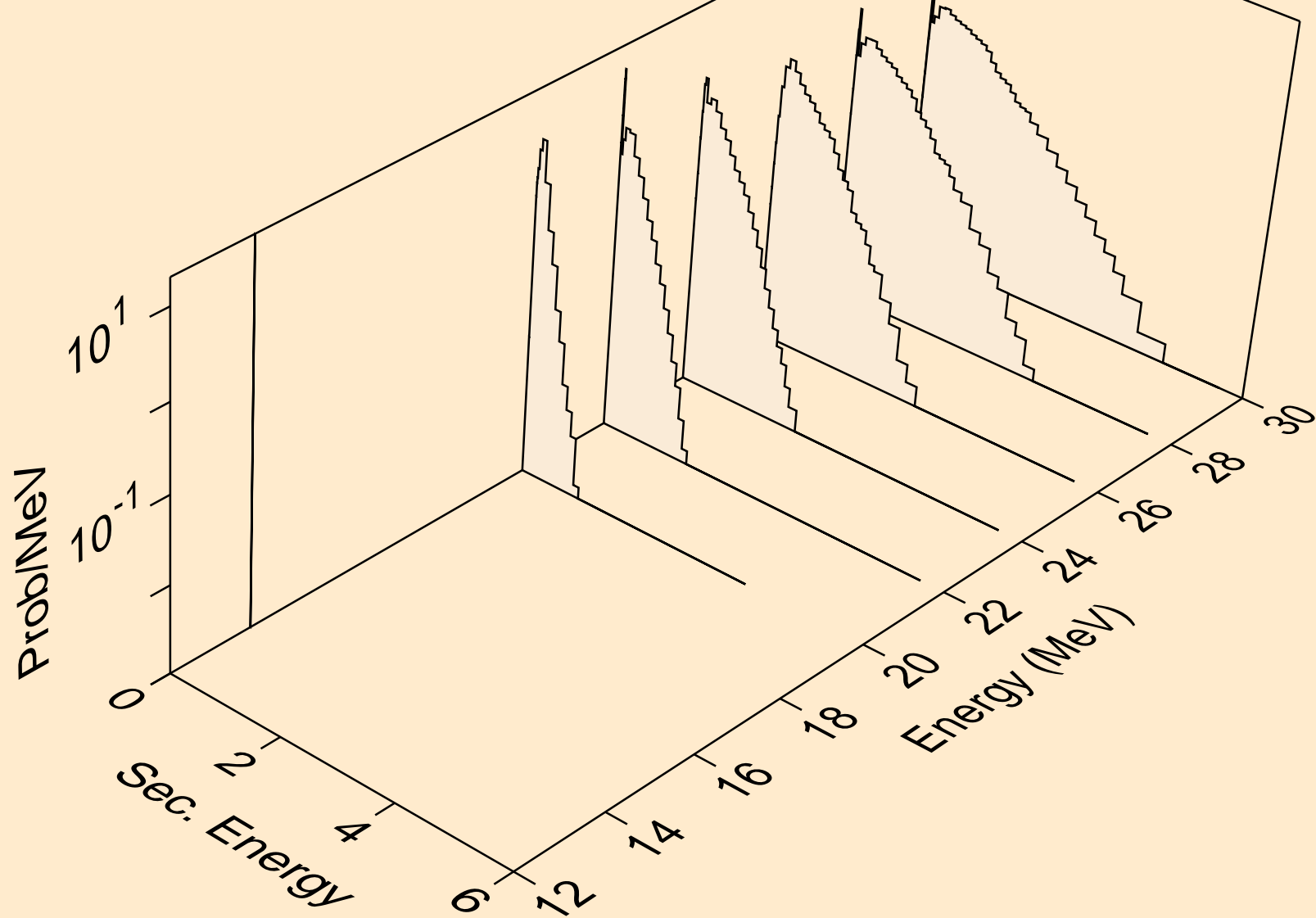
CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)p



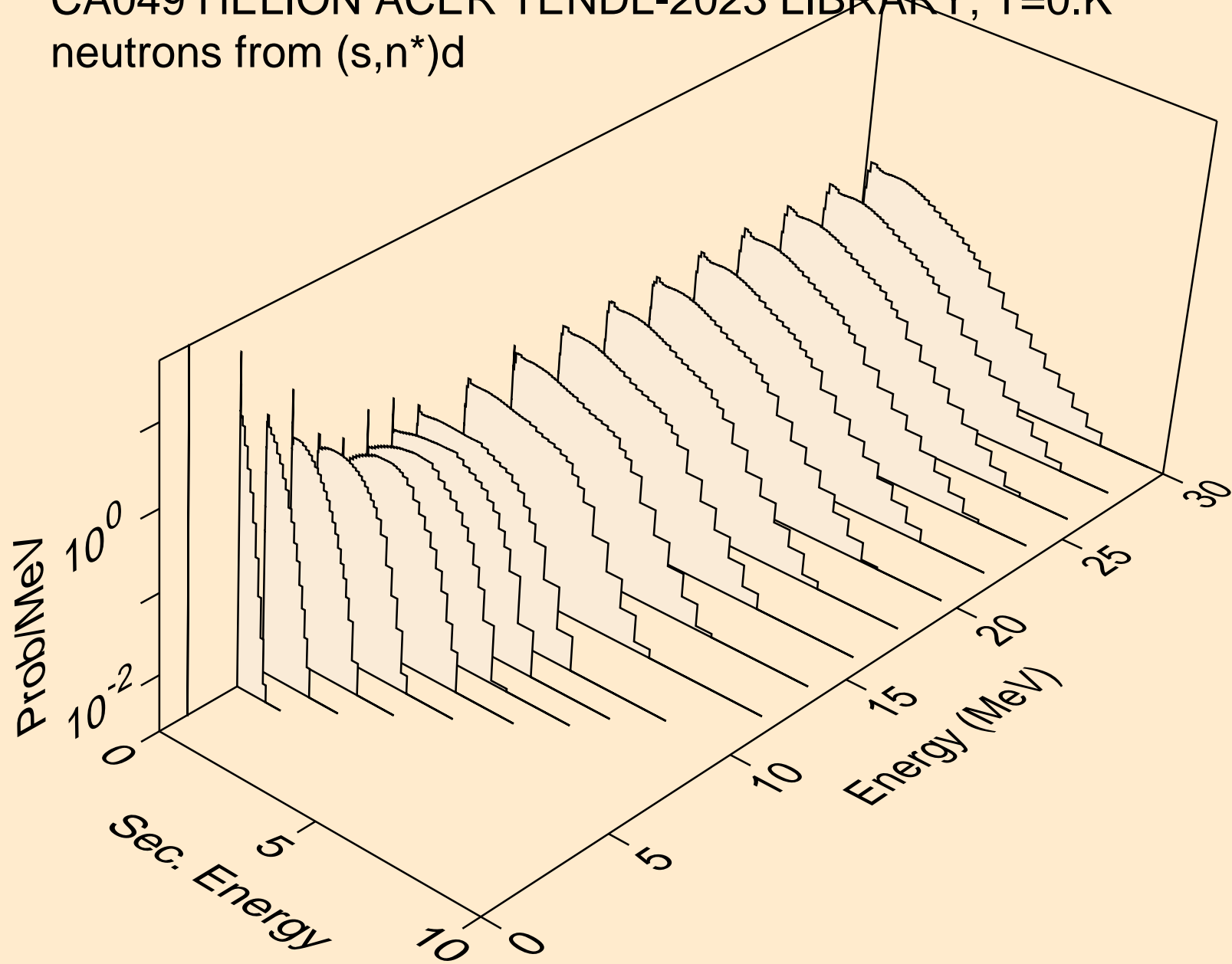
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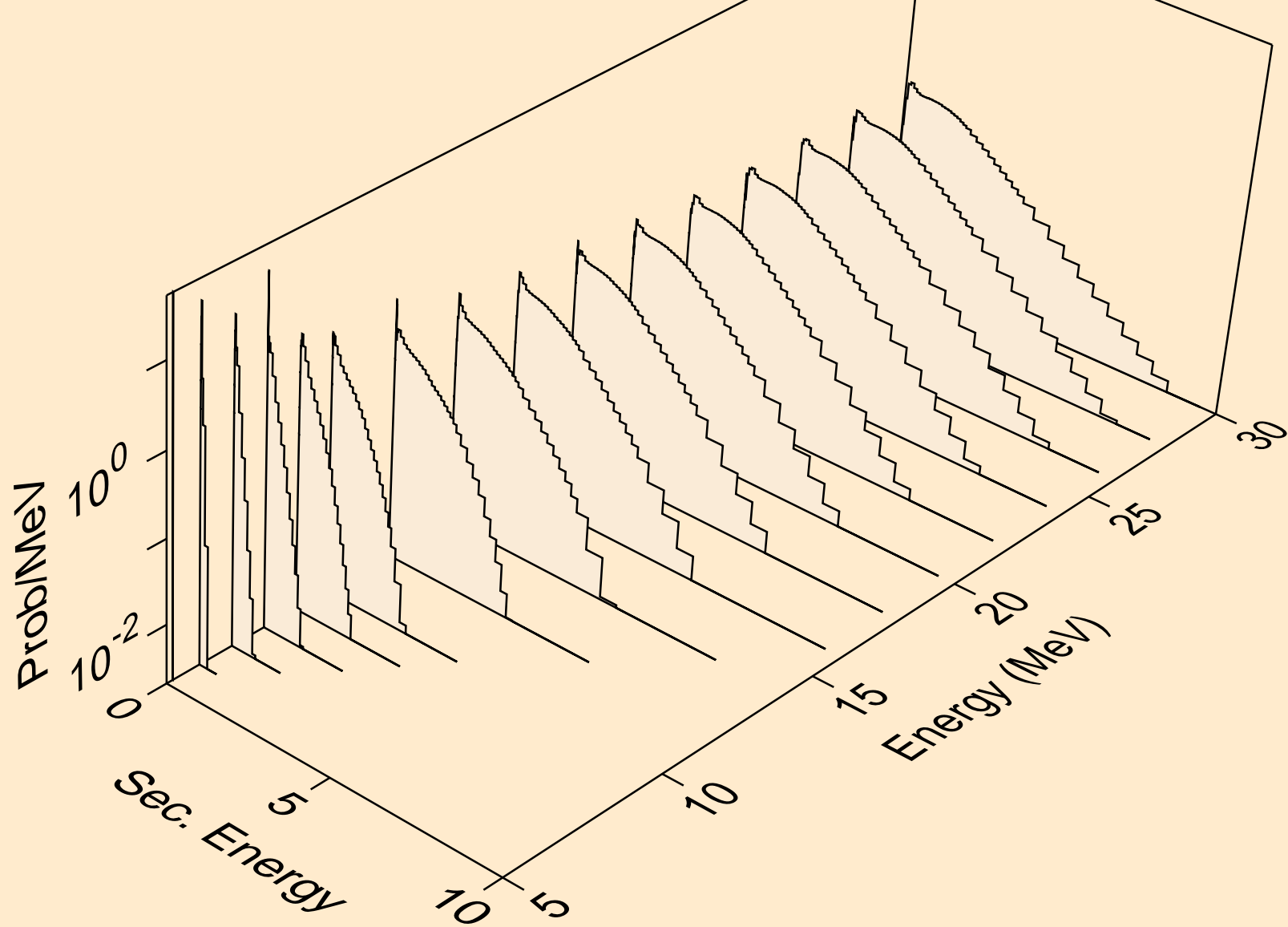
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neutrons from (s,2n)2a



CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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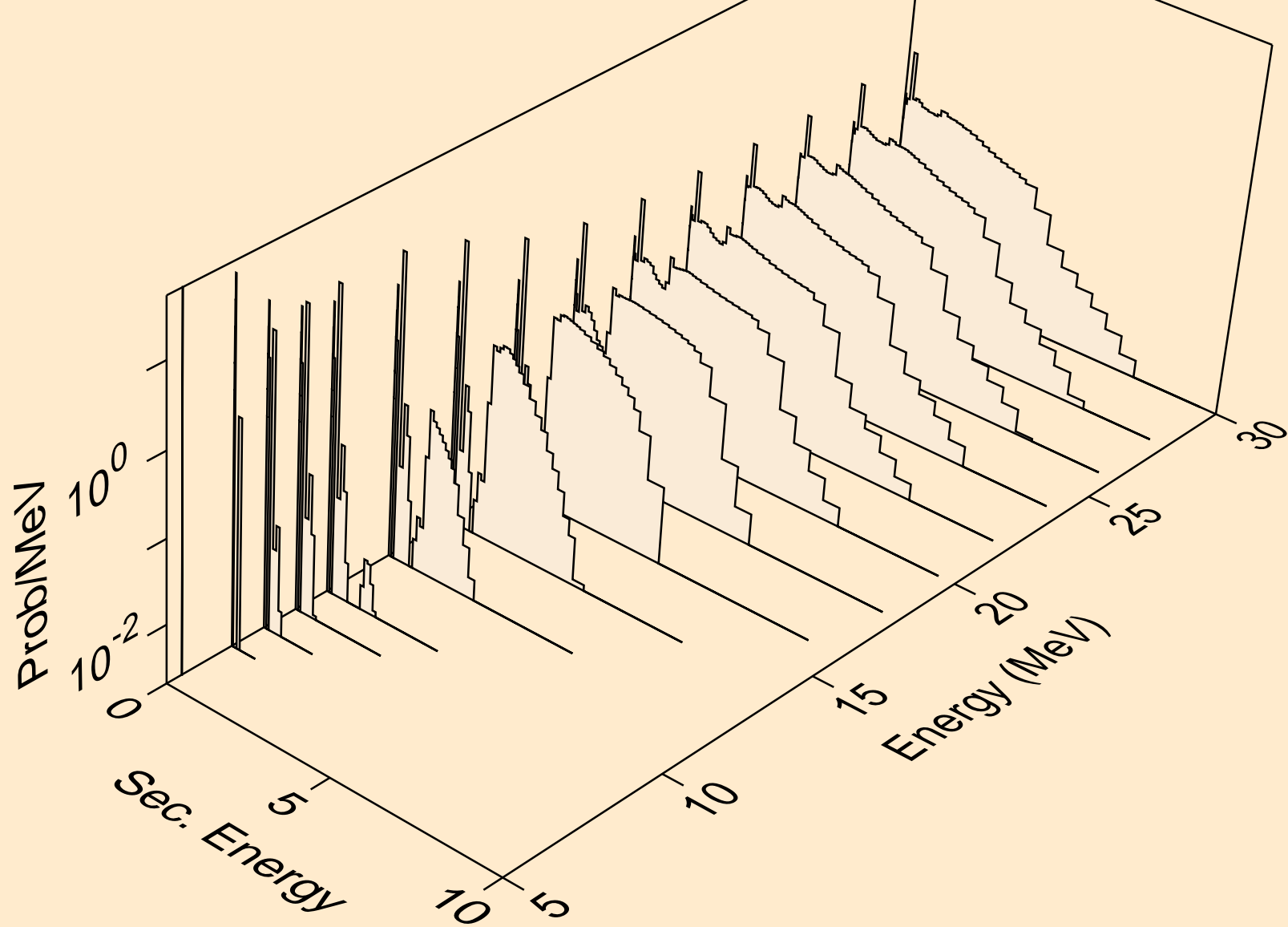


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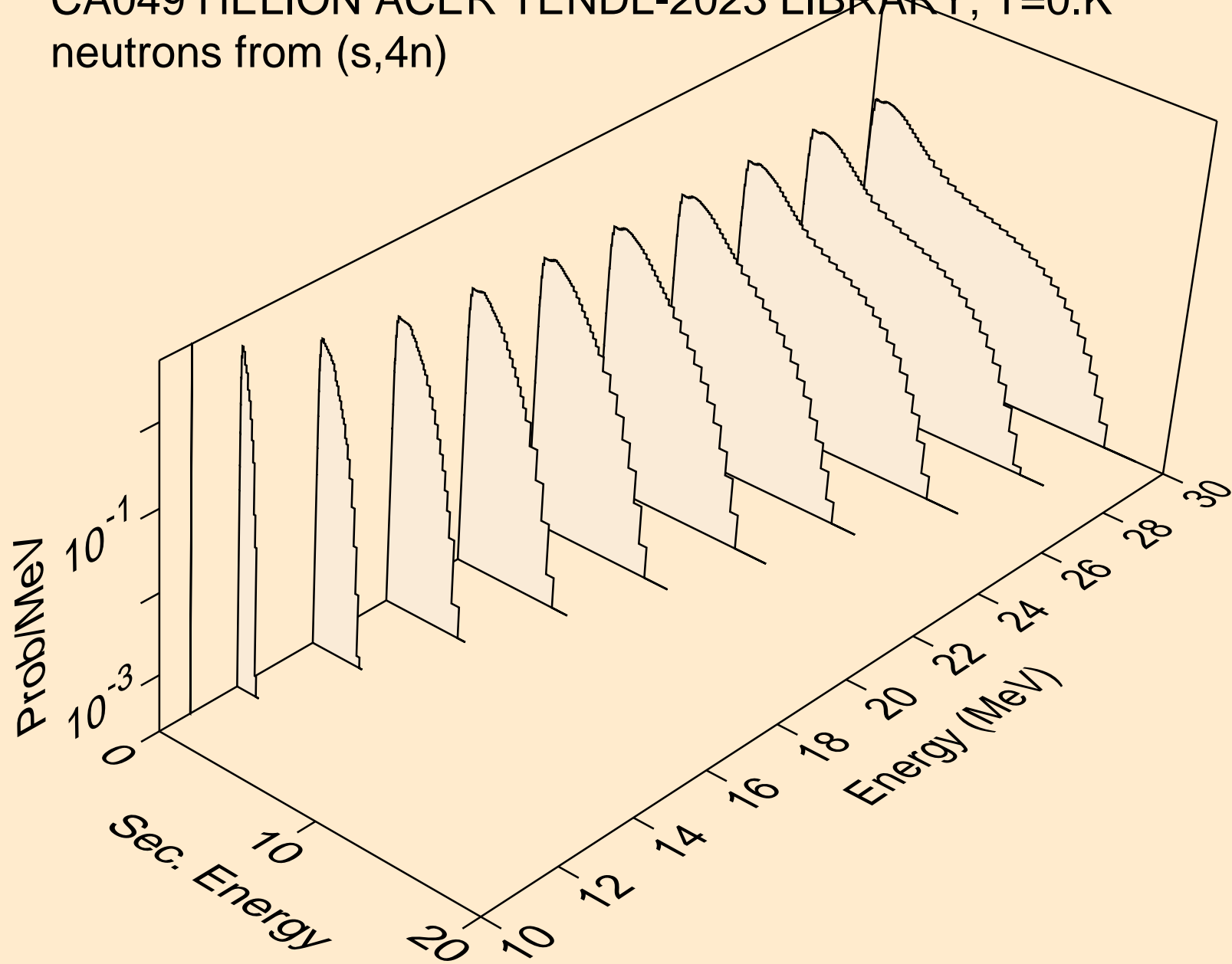




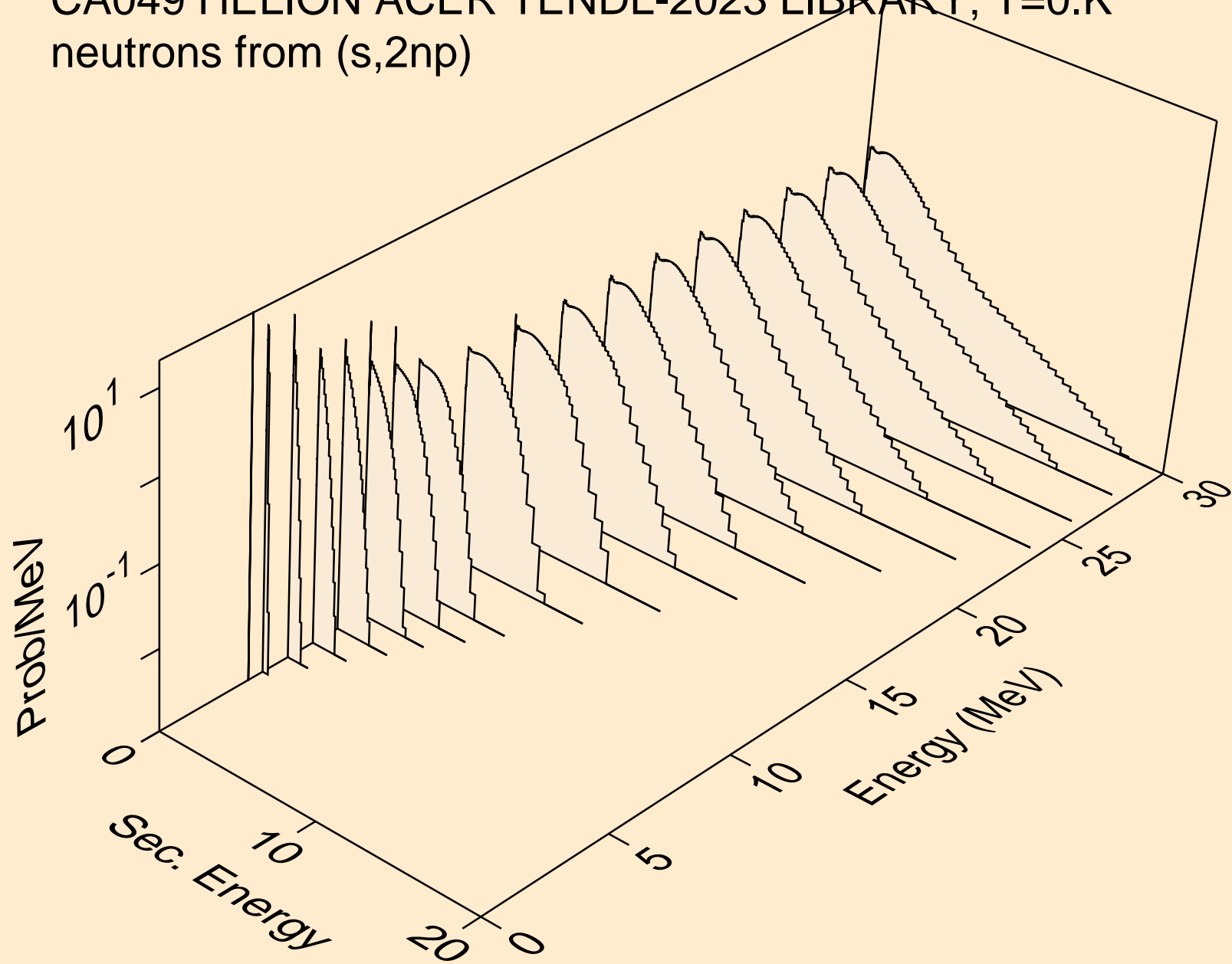
CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3



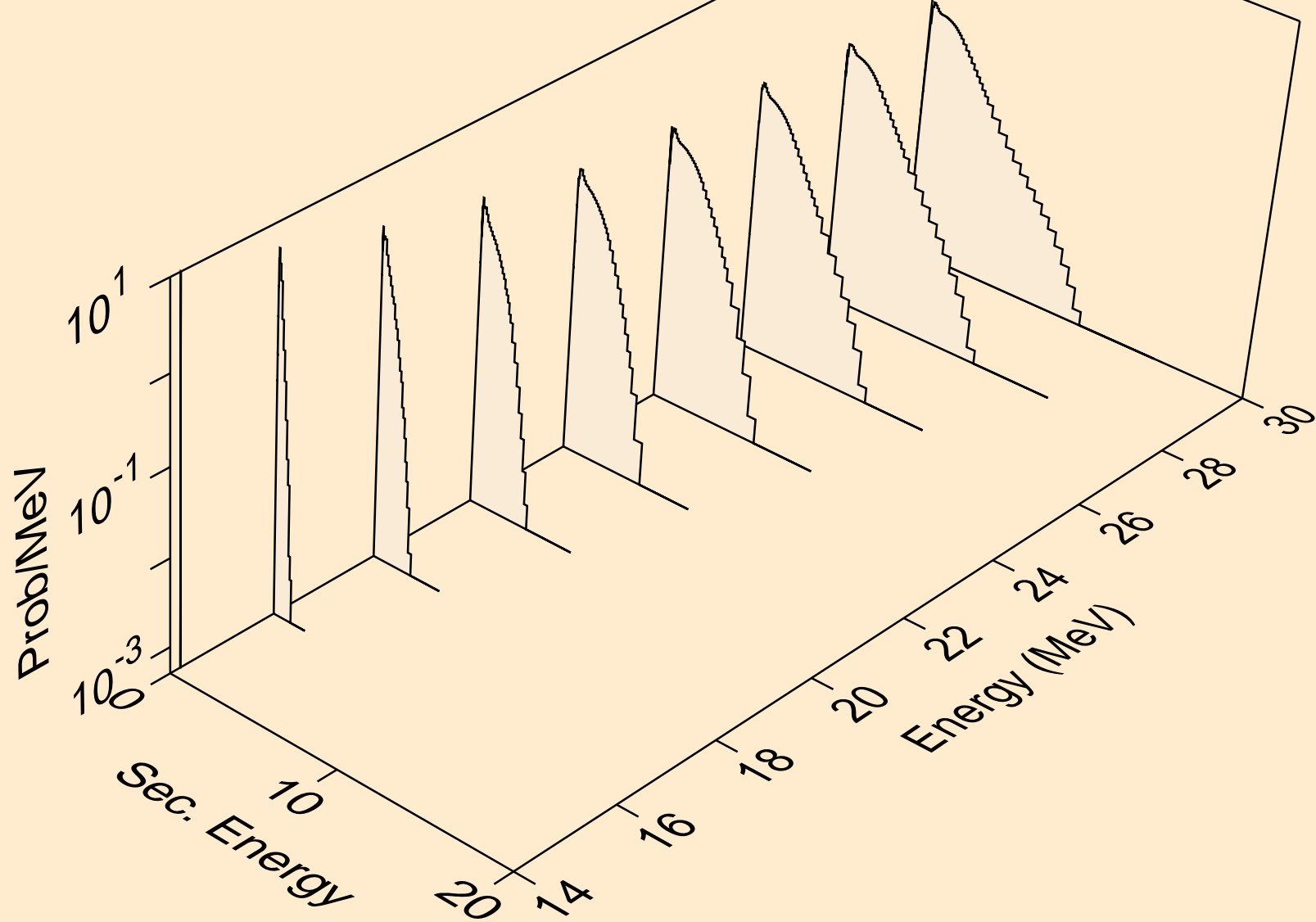
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neutrons from (s,4n)



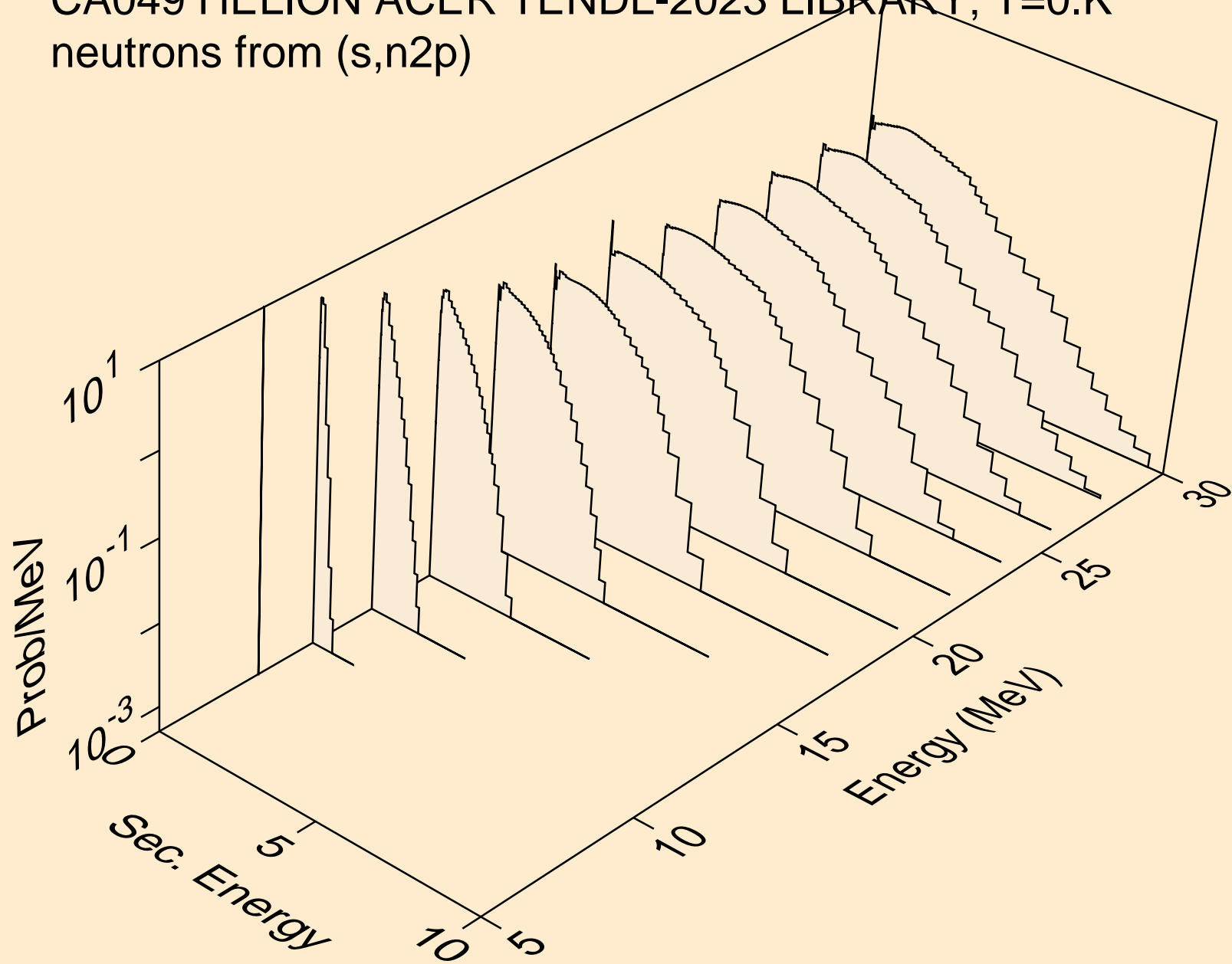
CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2np)



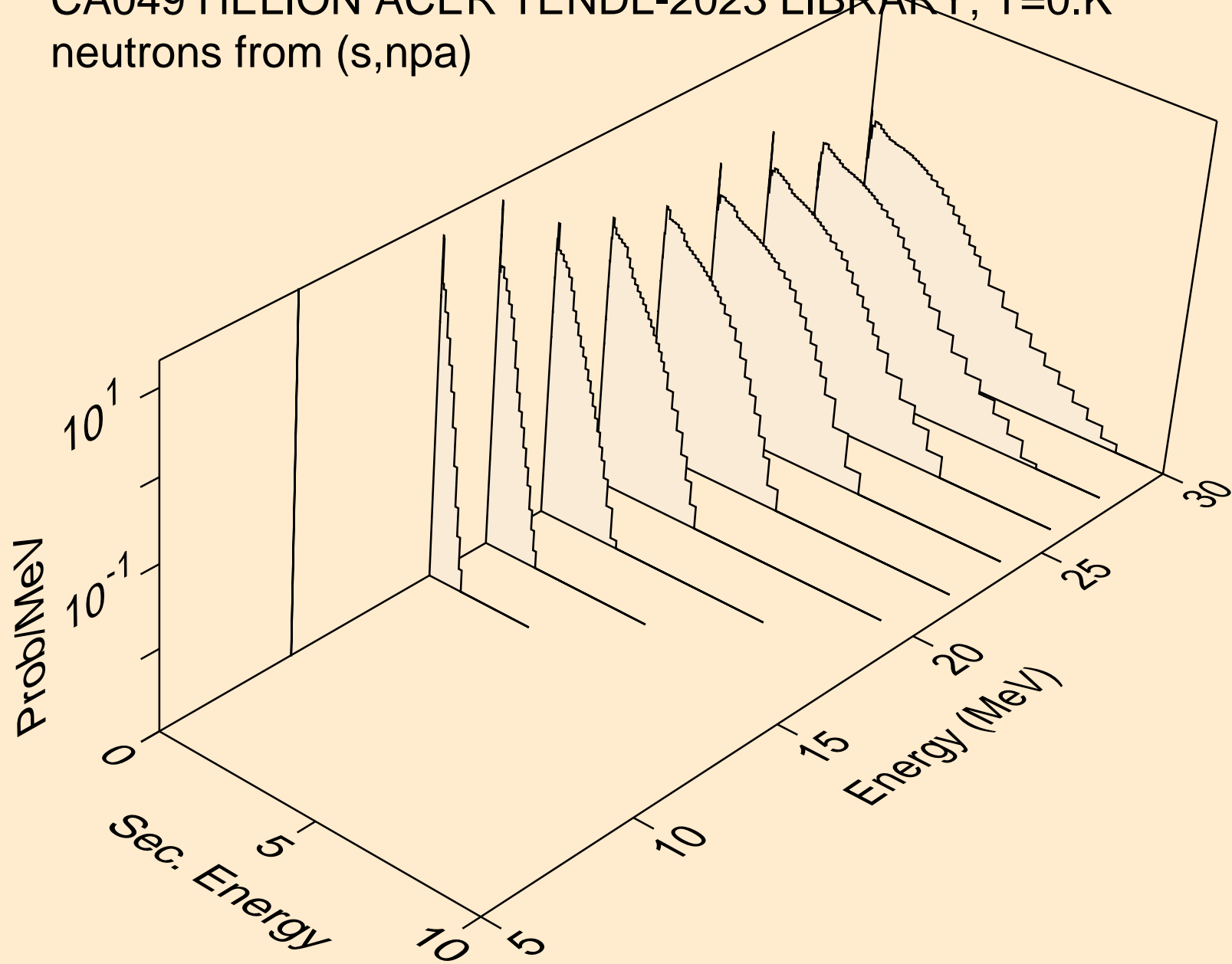
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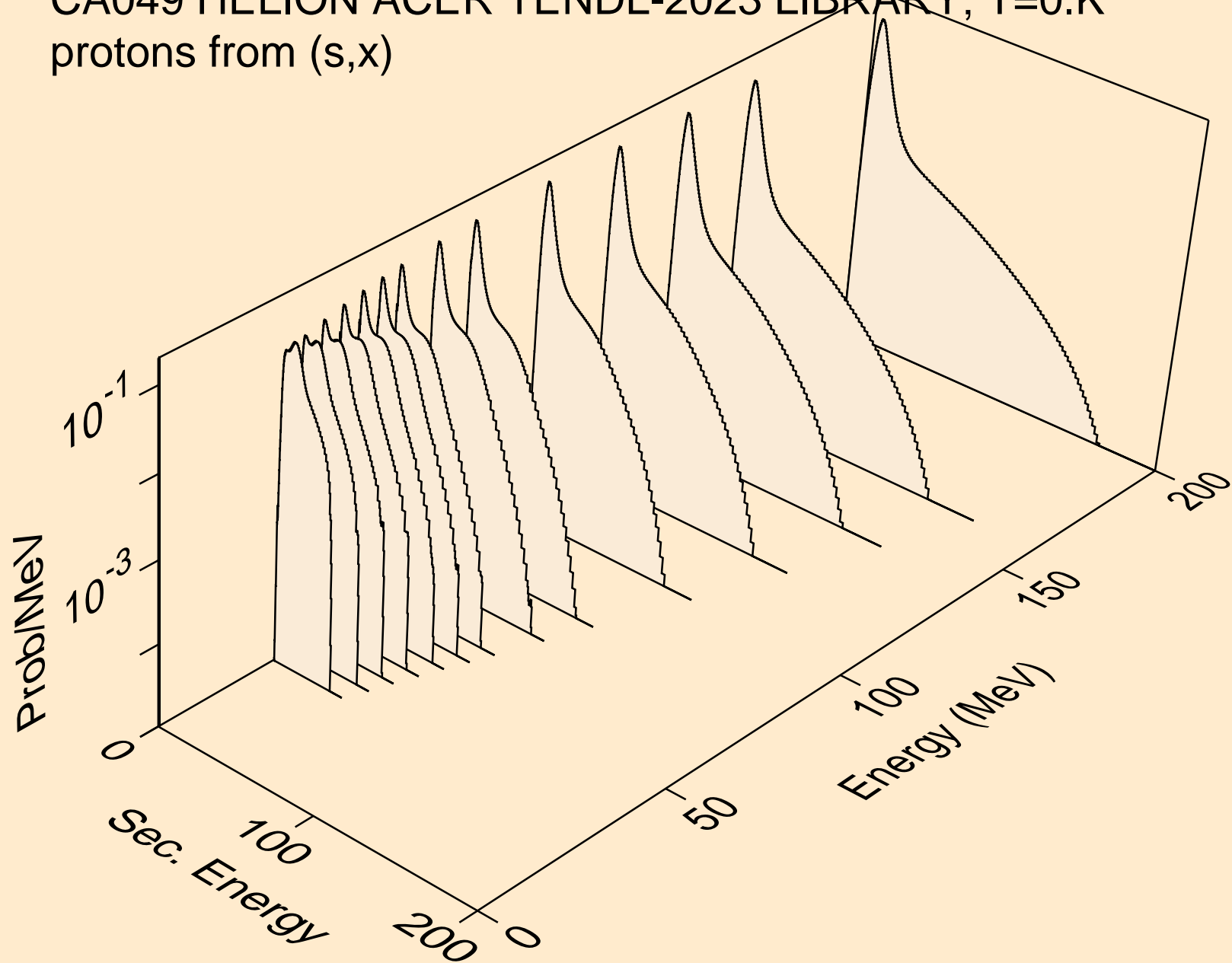
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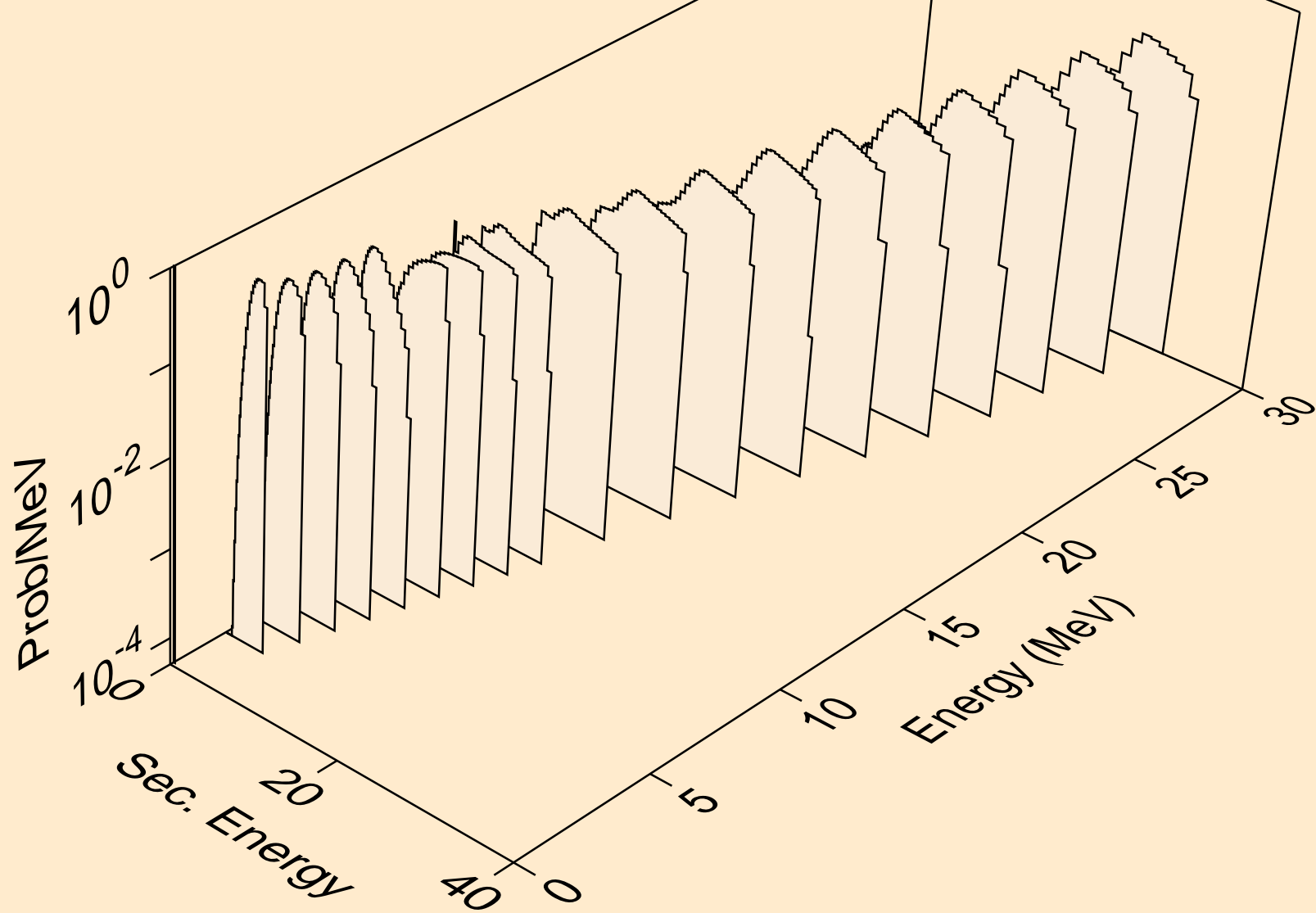
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neutrons from (s,npa)



CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,x)

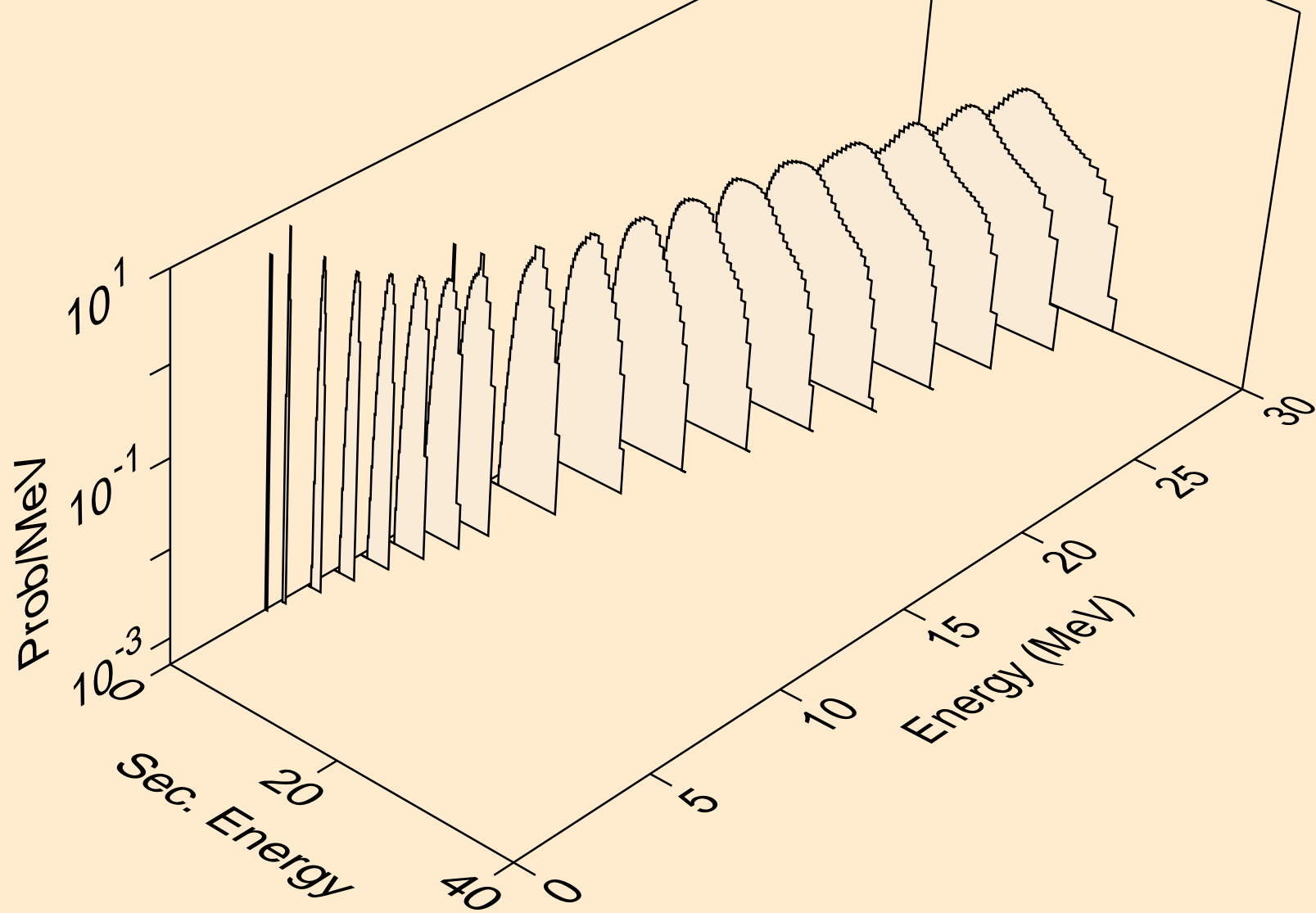


CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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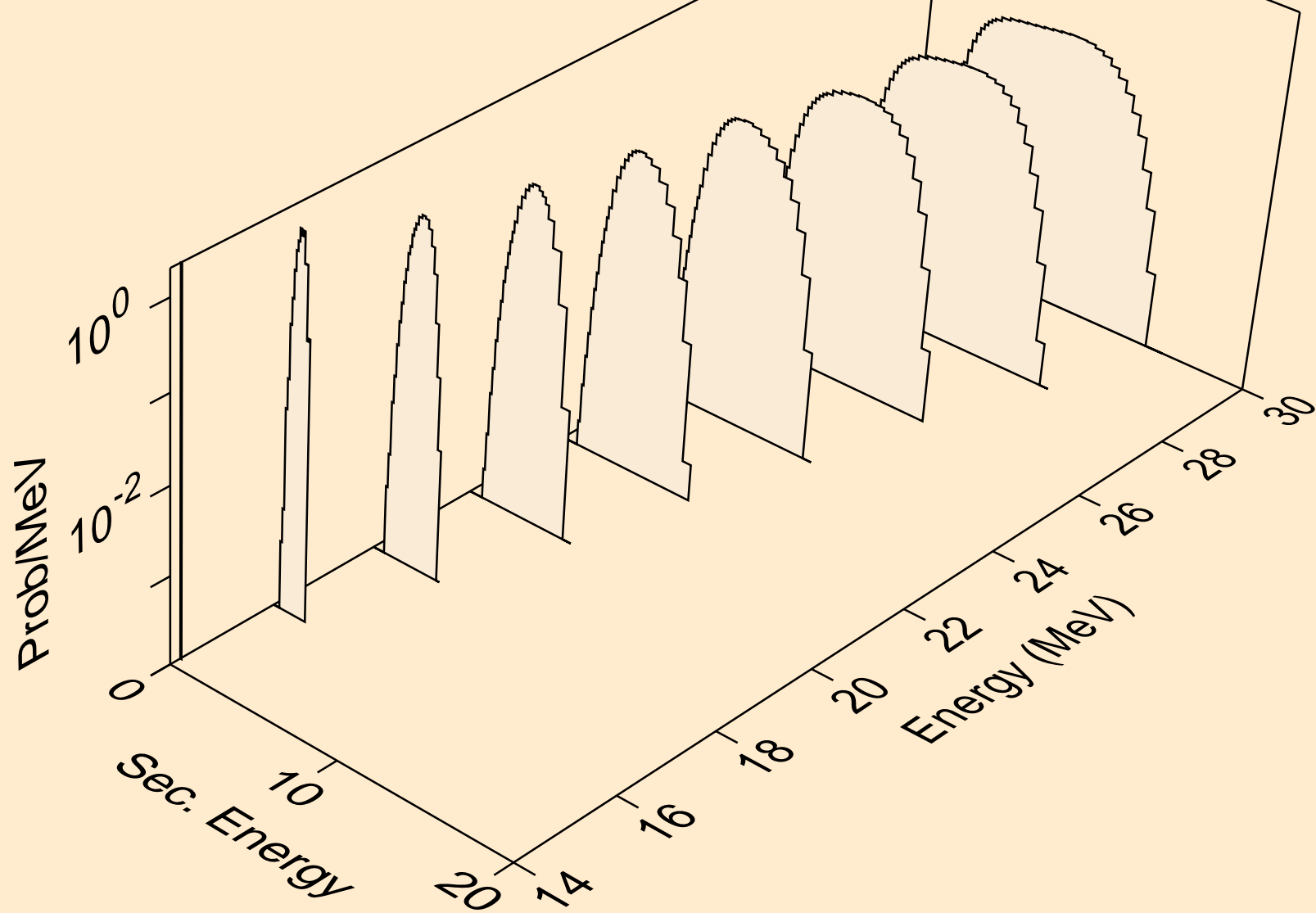




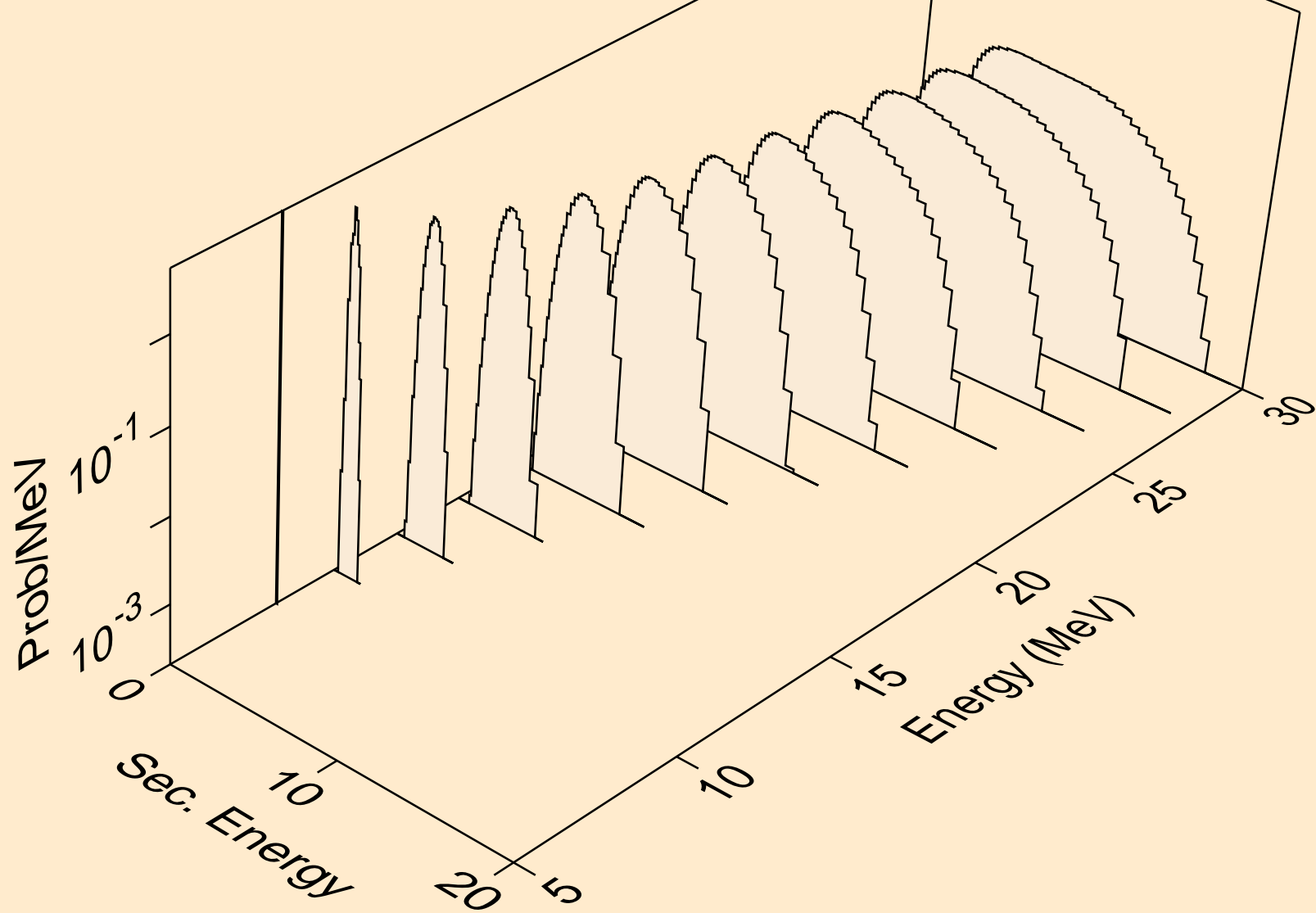
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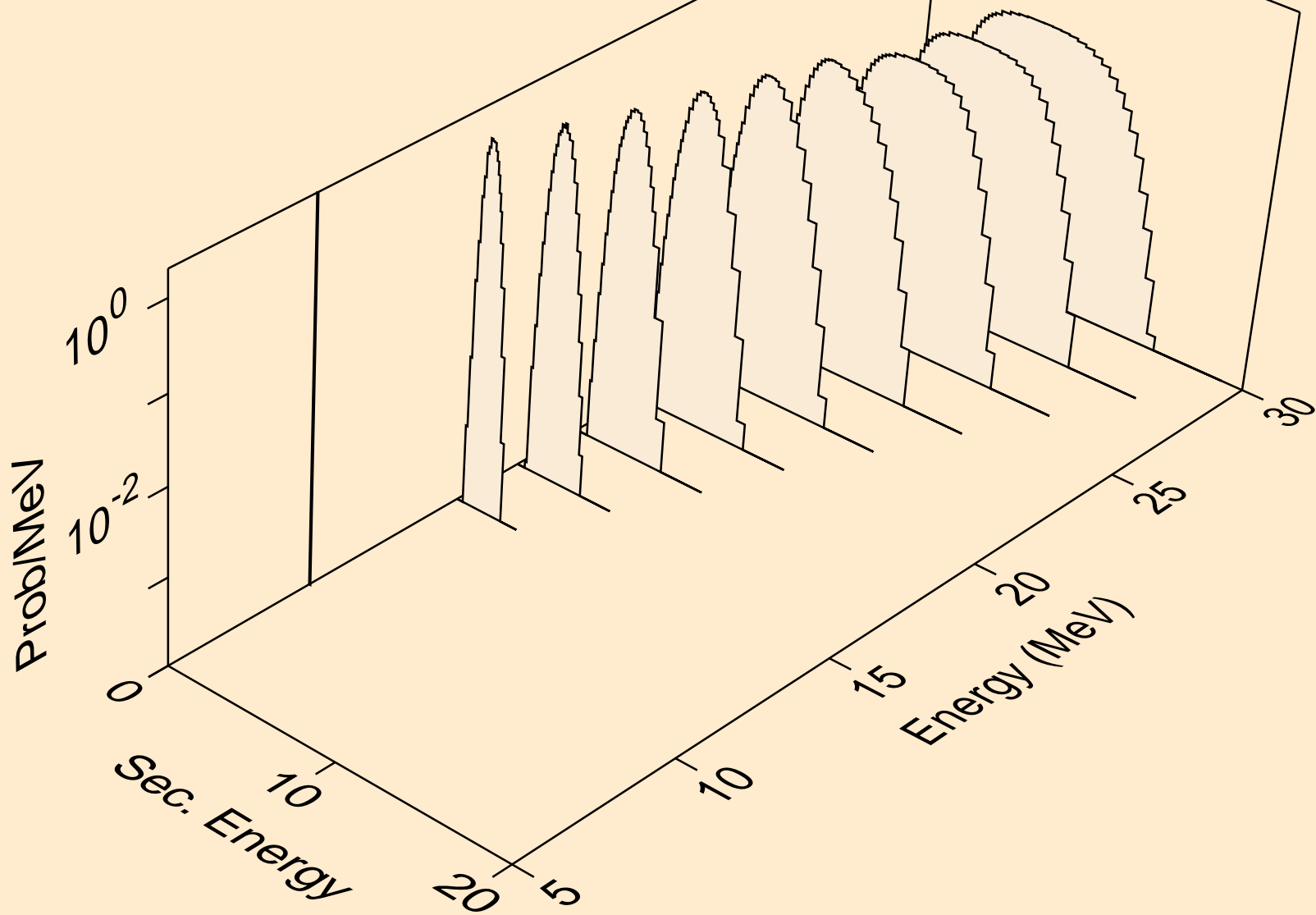
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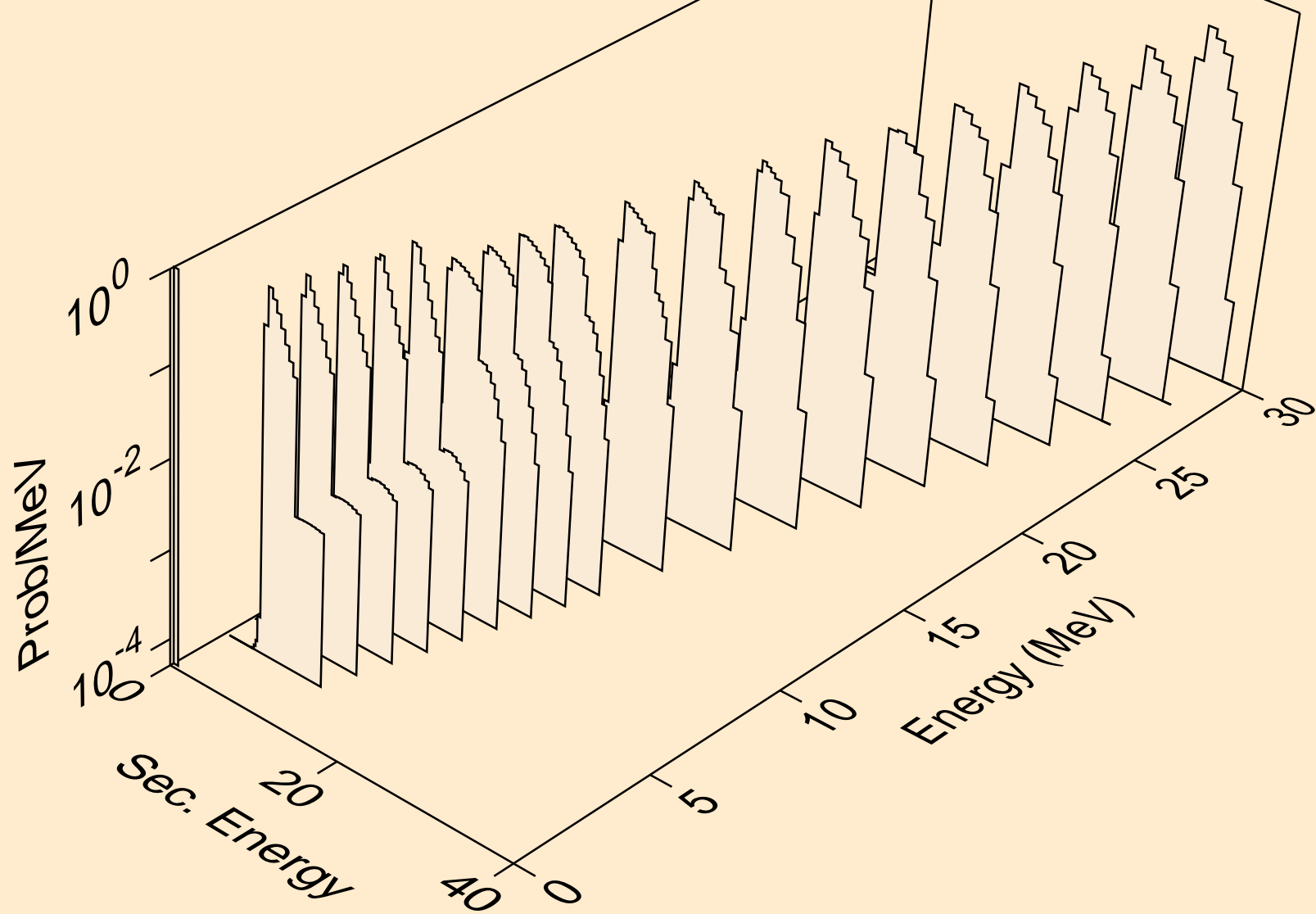
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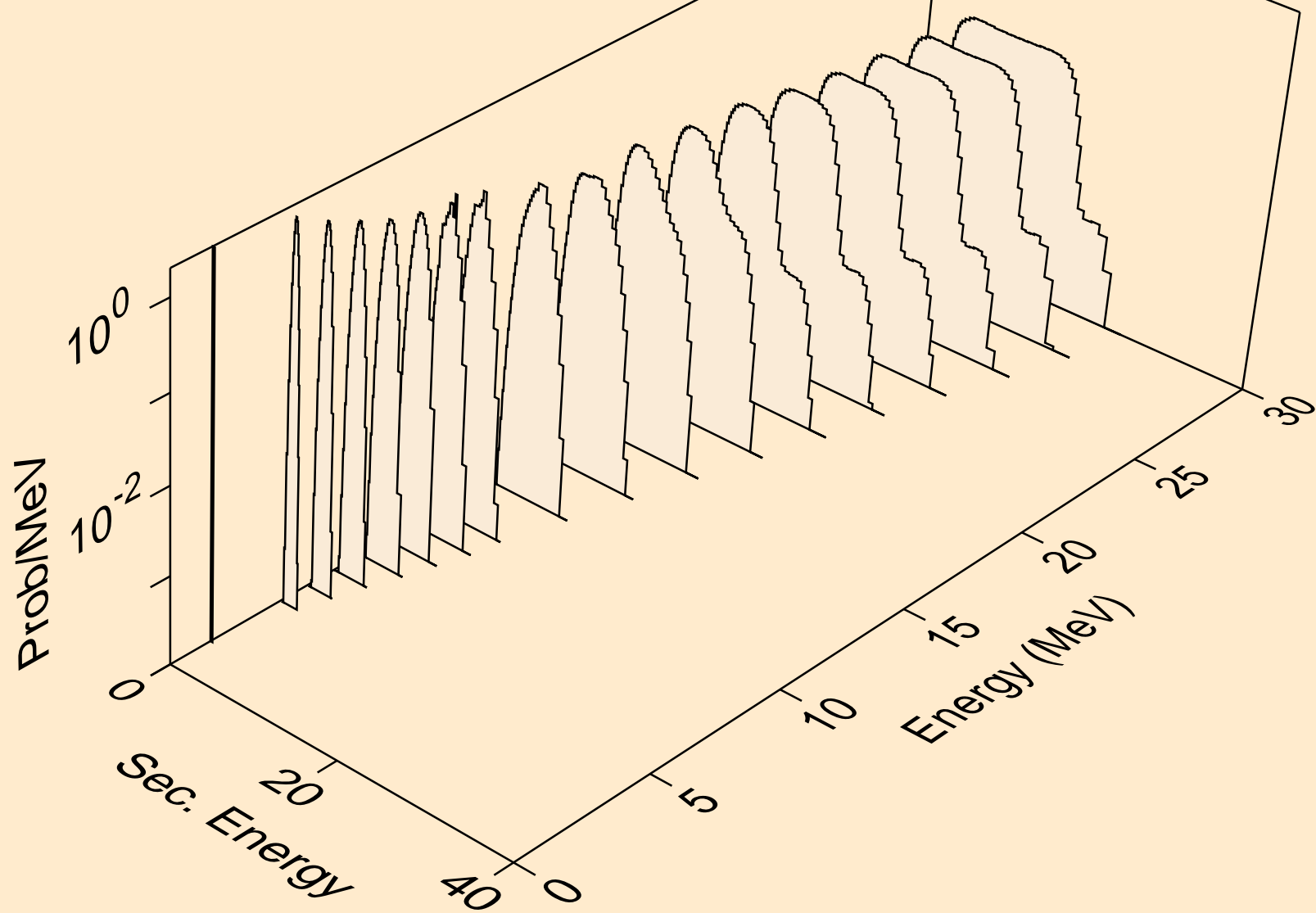
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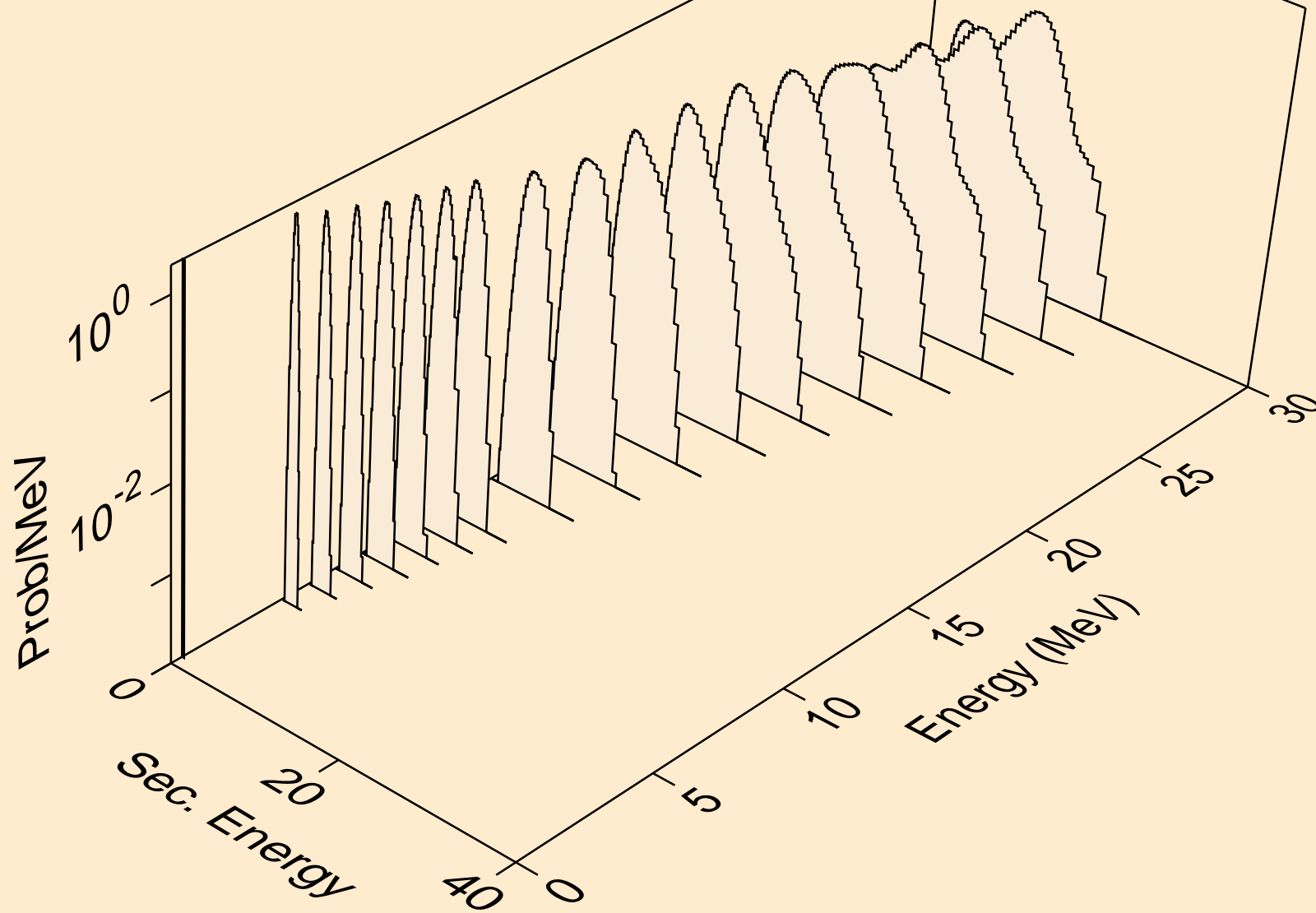
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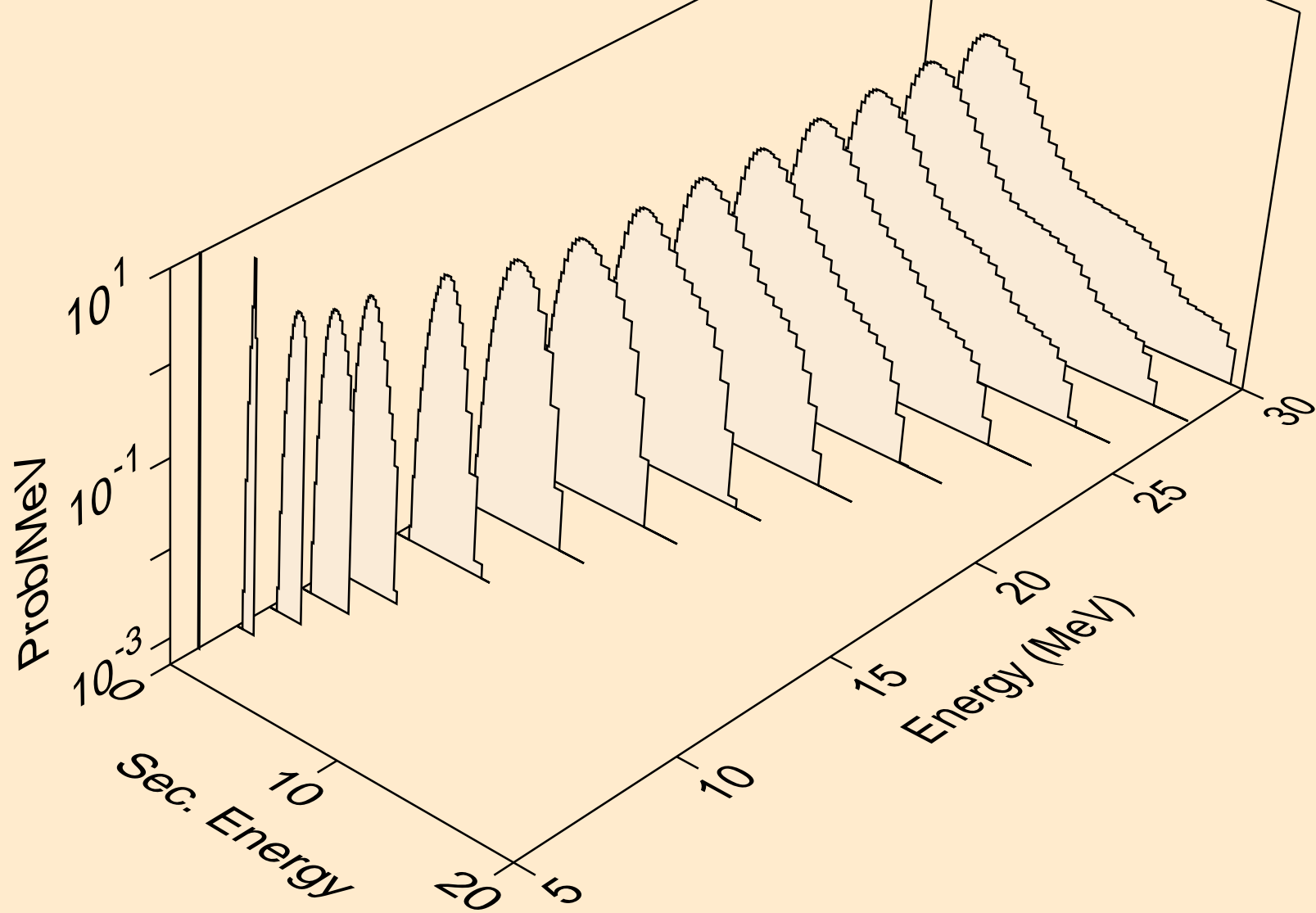
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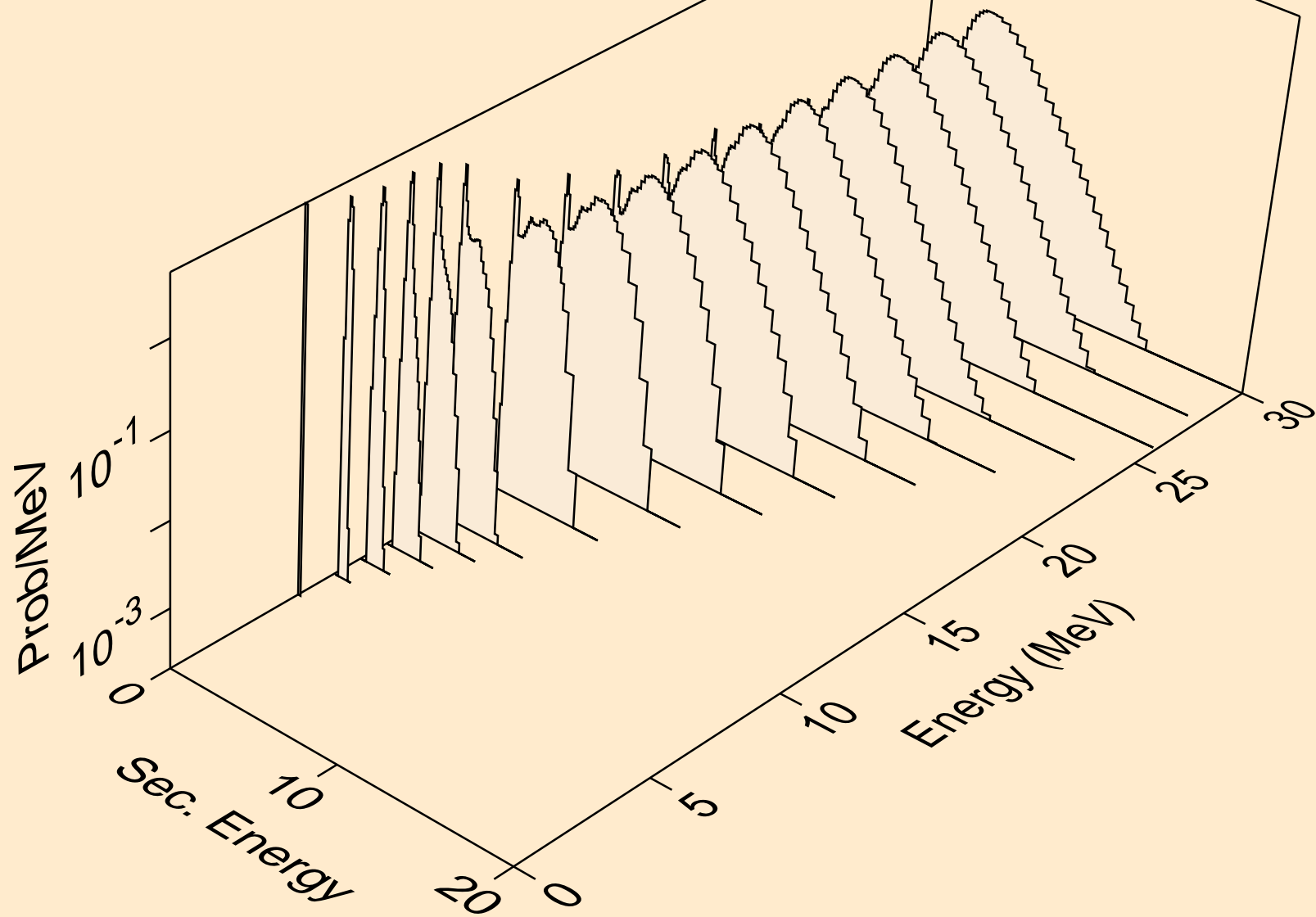


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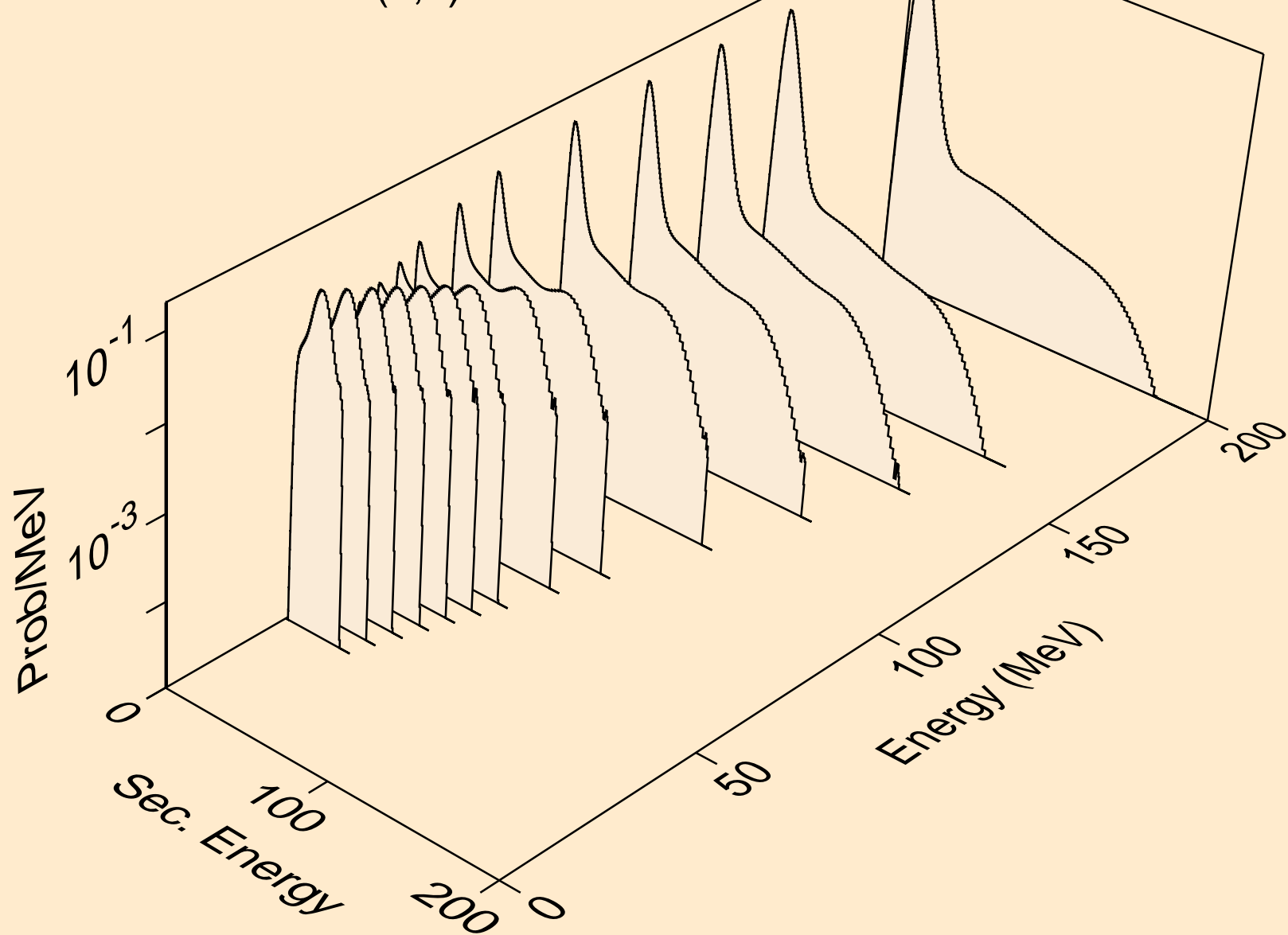




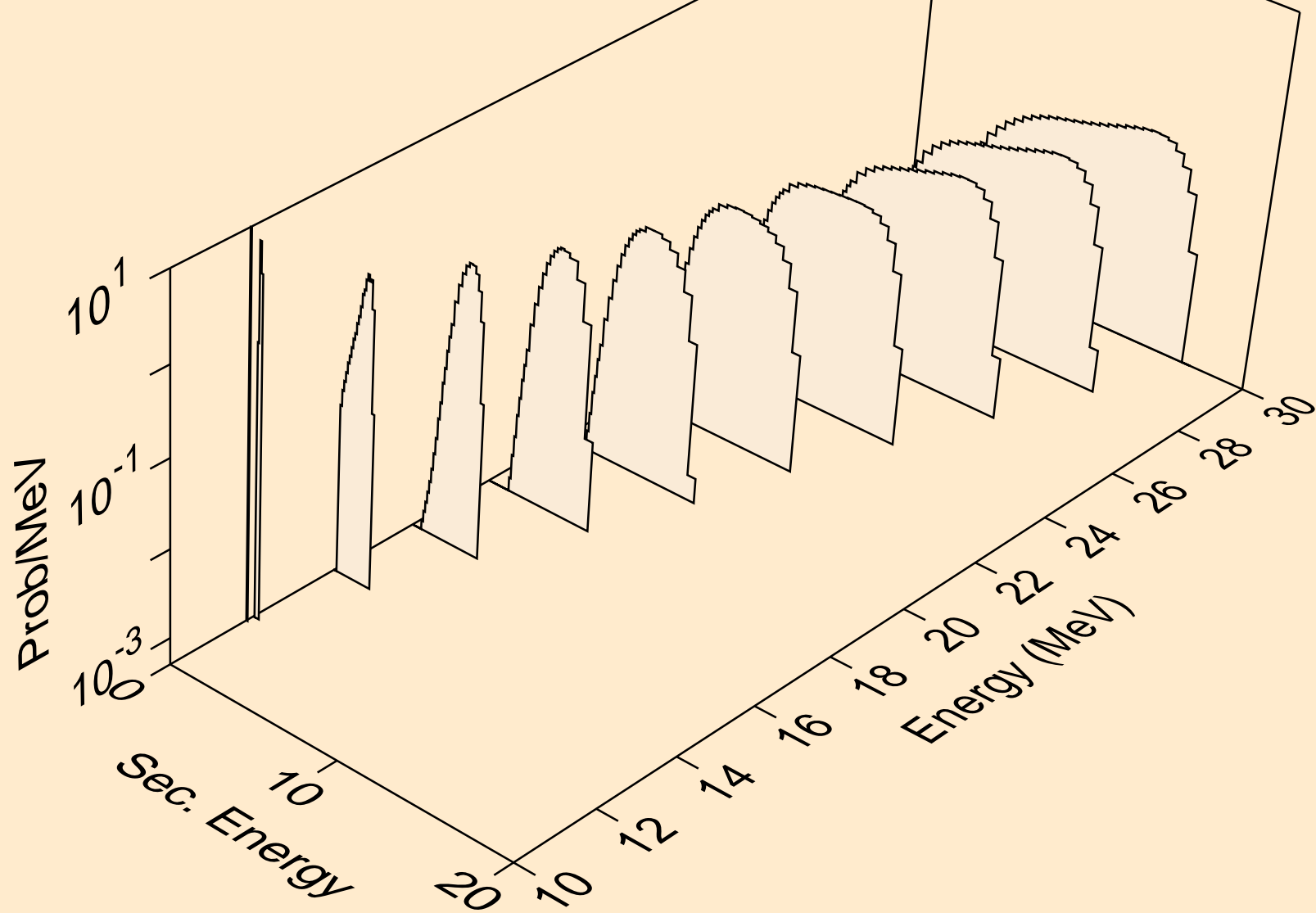
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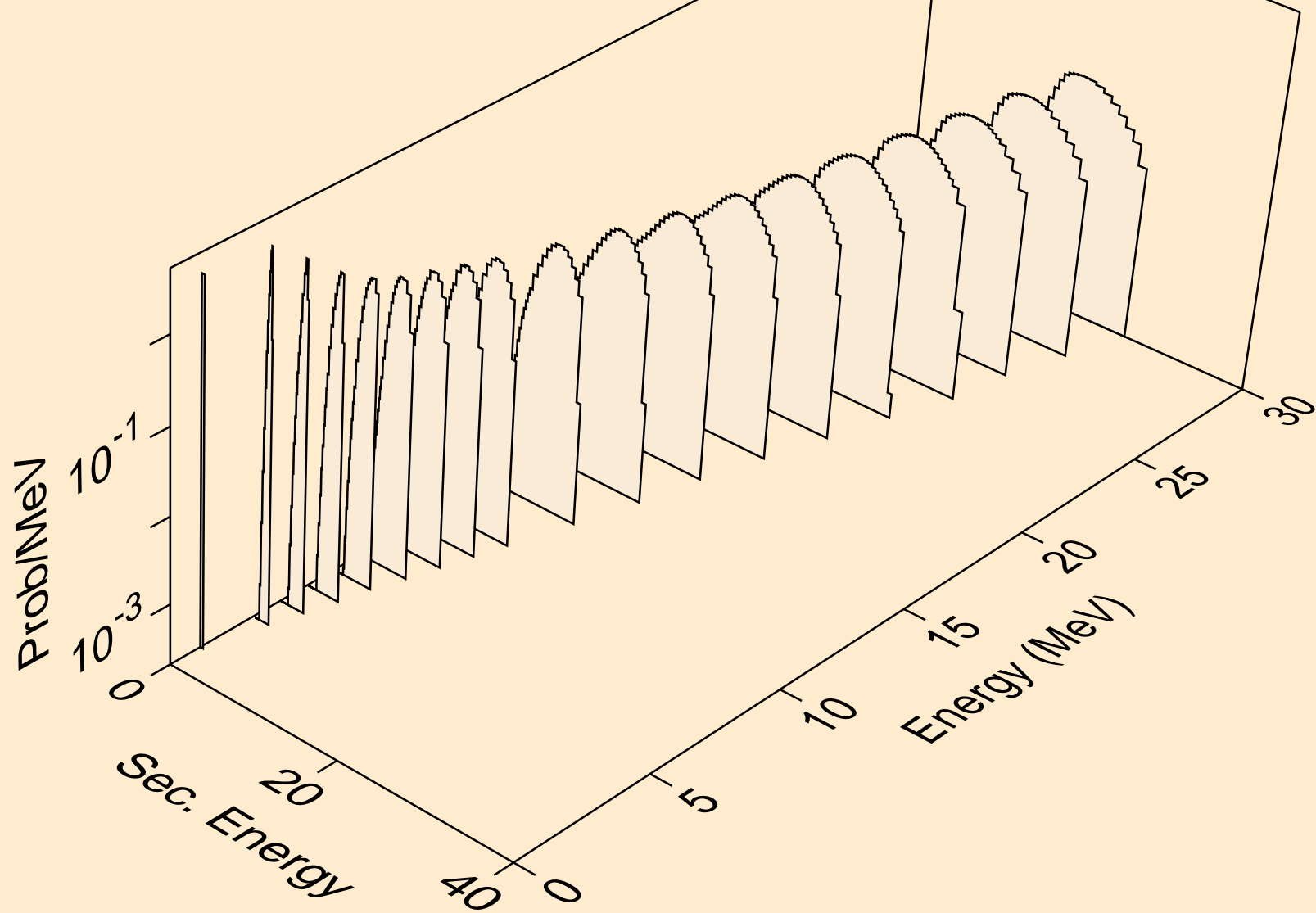
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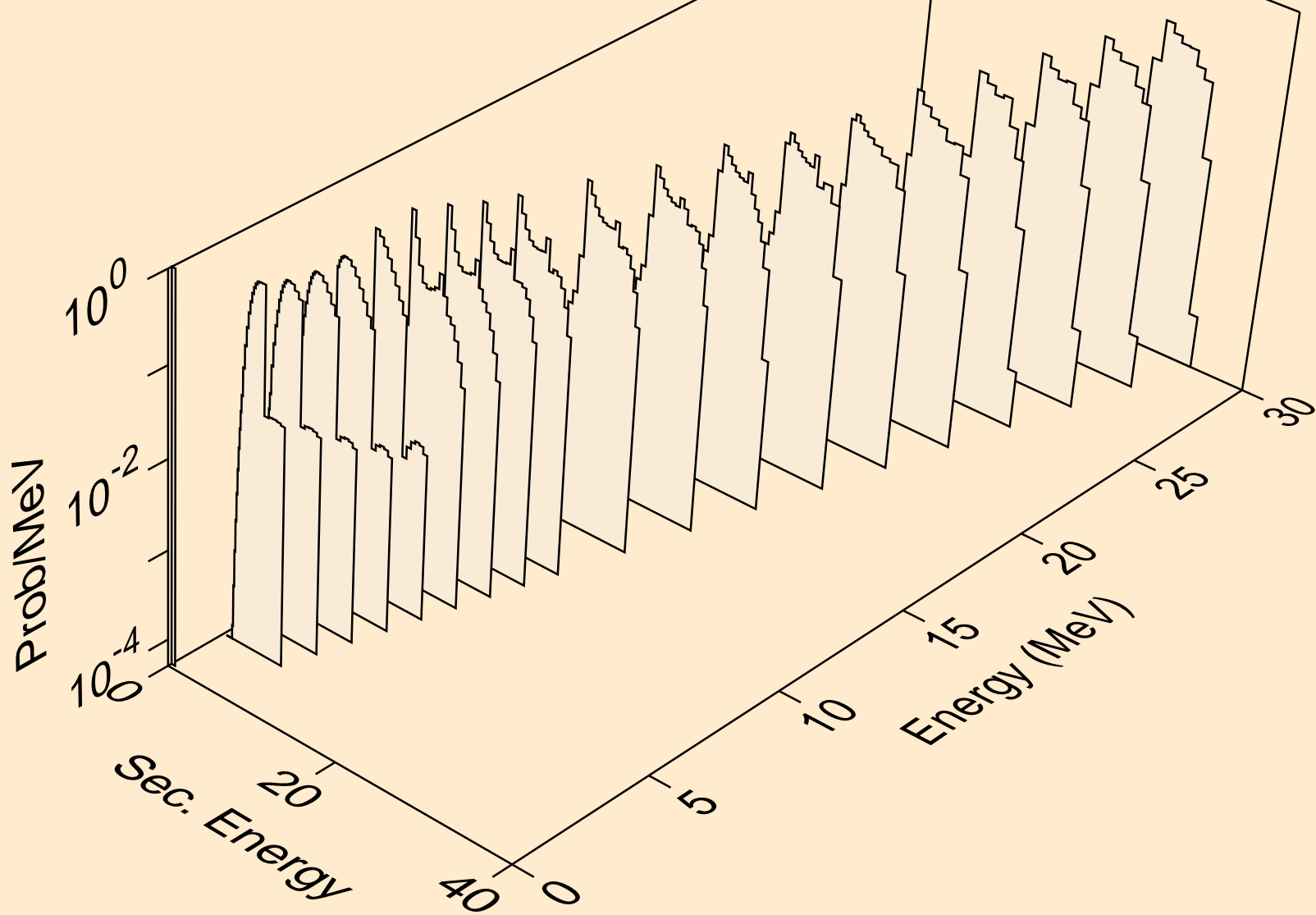
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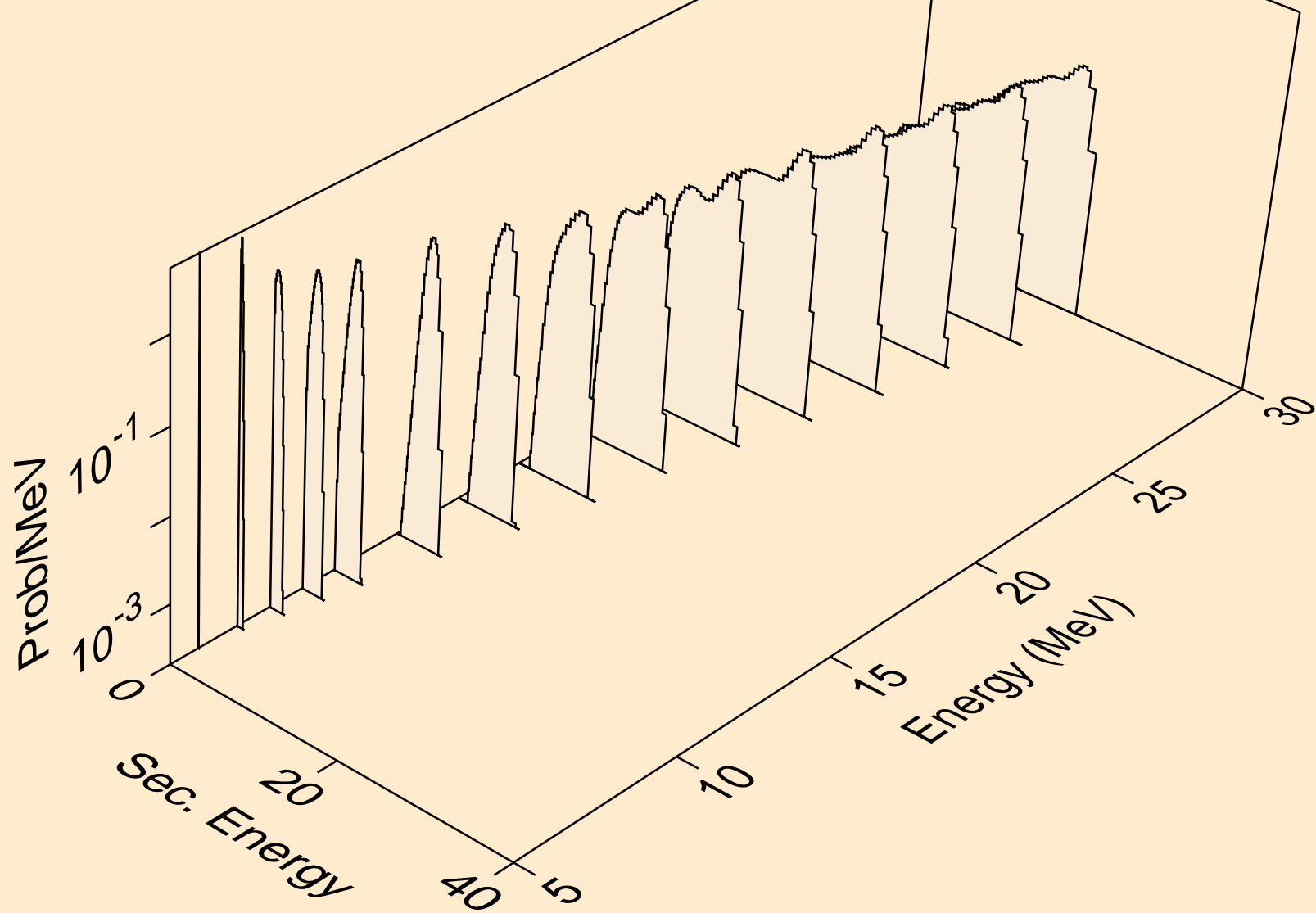
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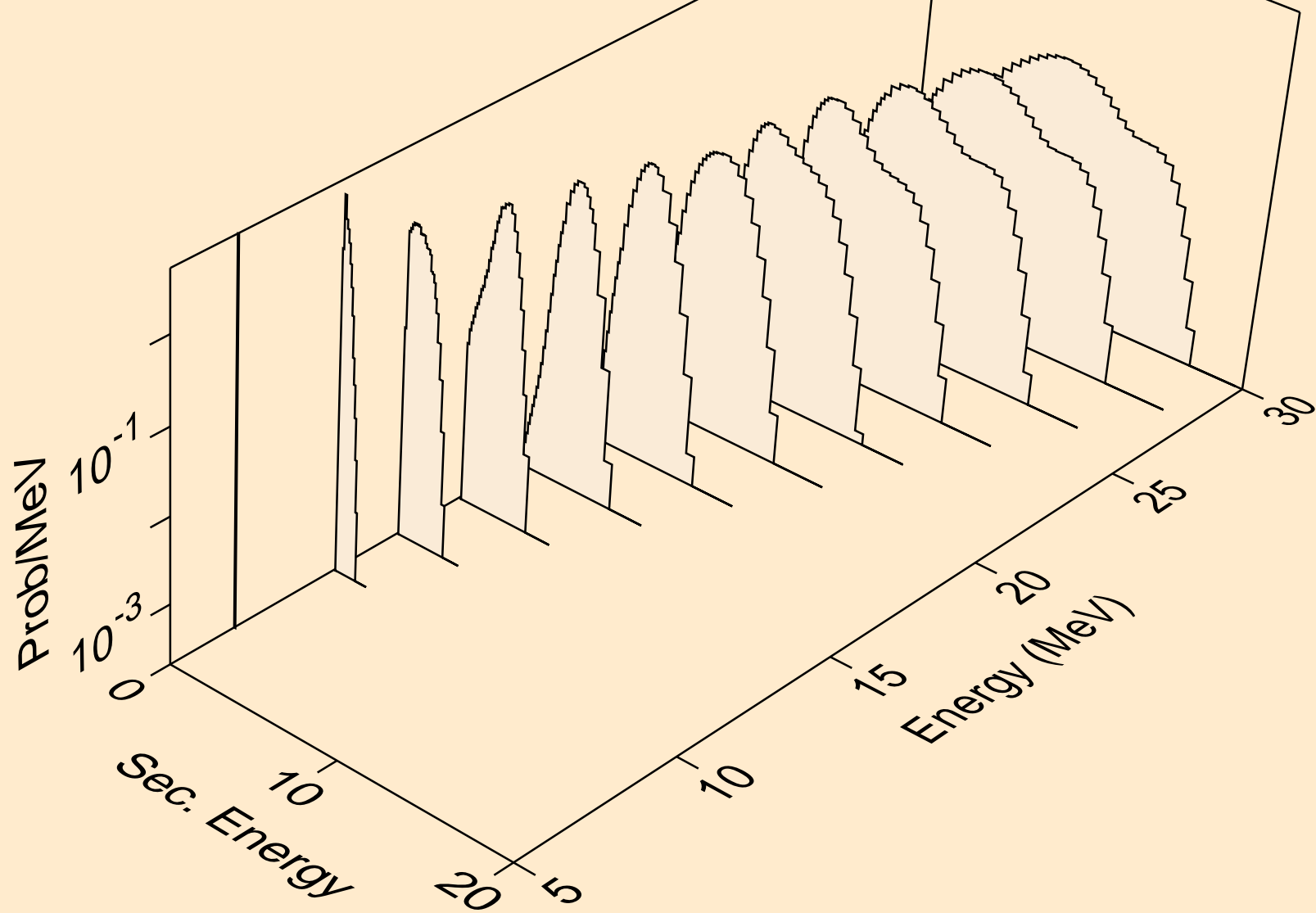
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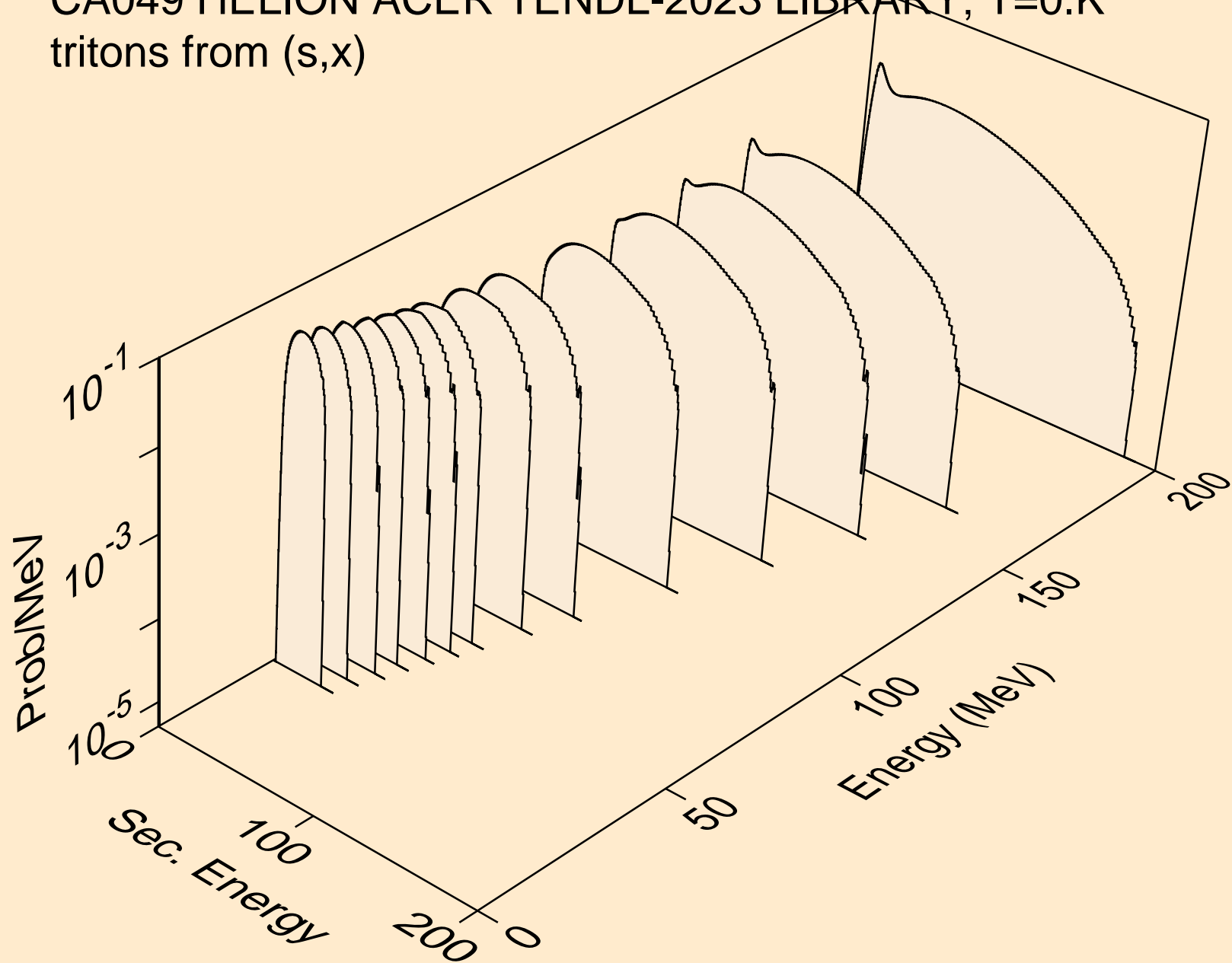
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deuterons from (s,pd)



CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,da)

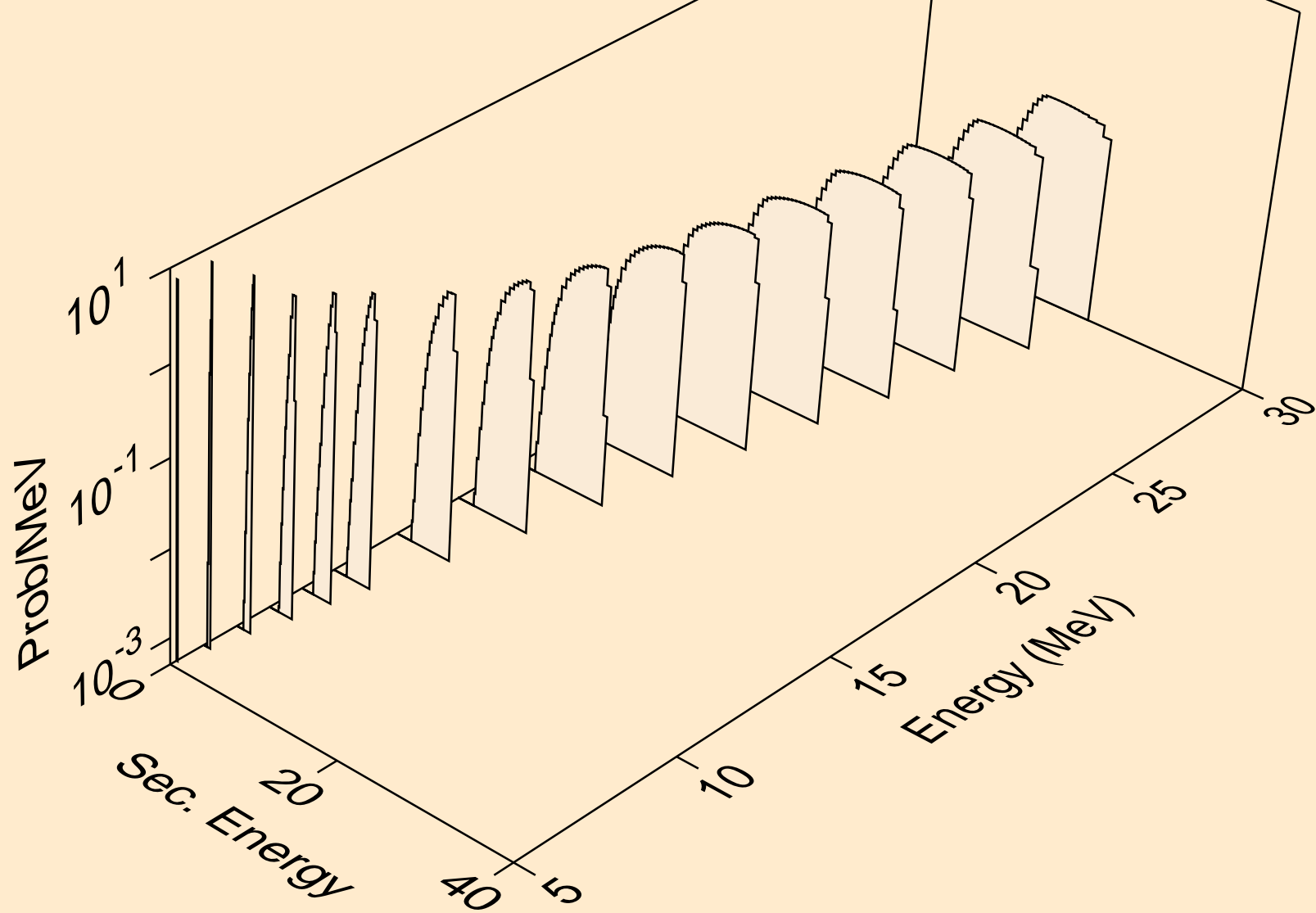


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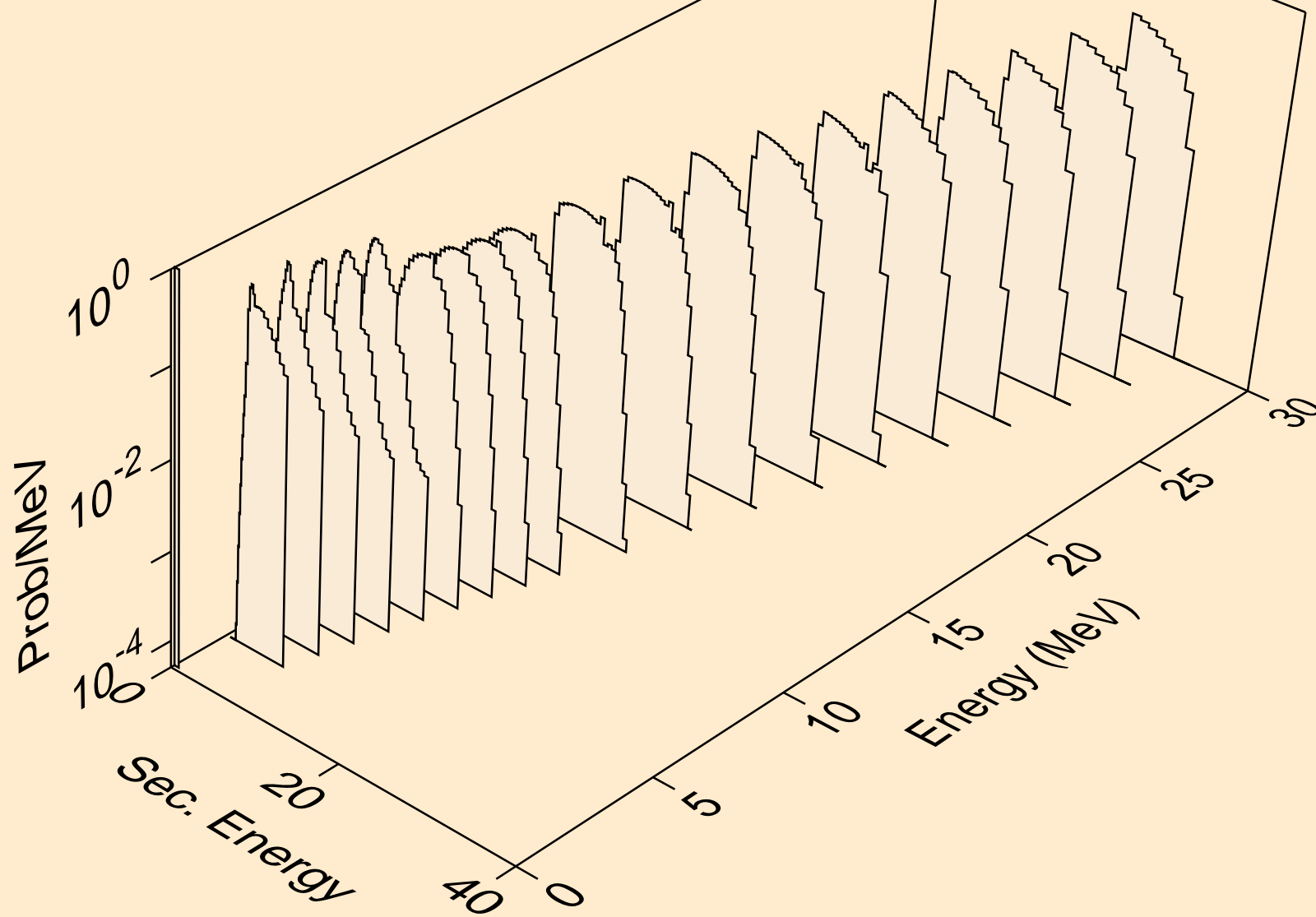




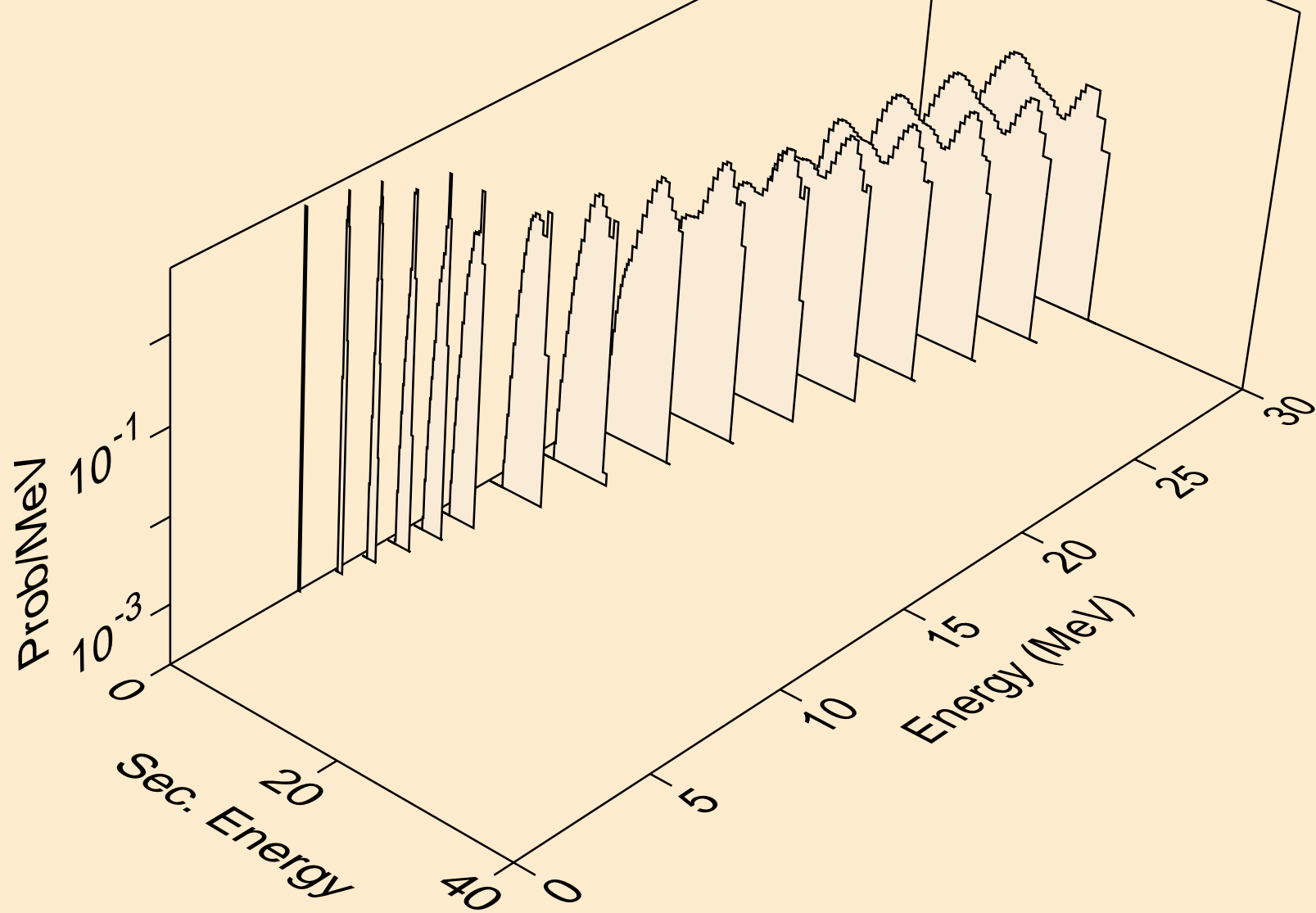
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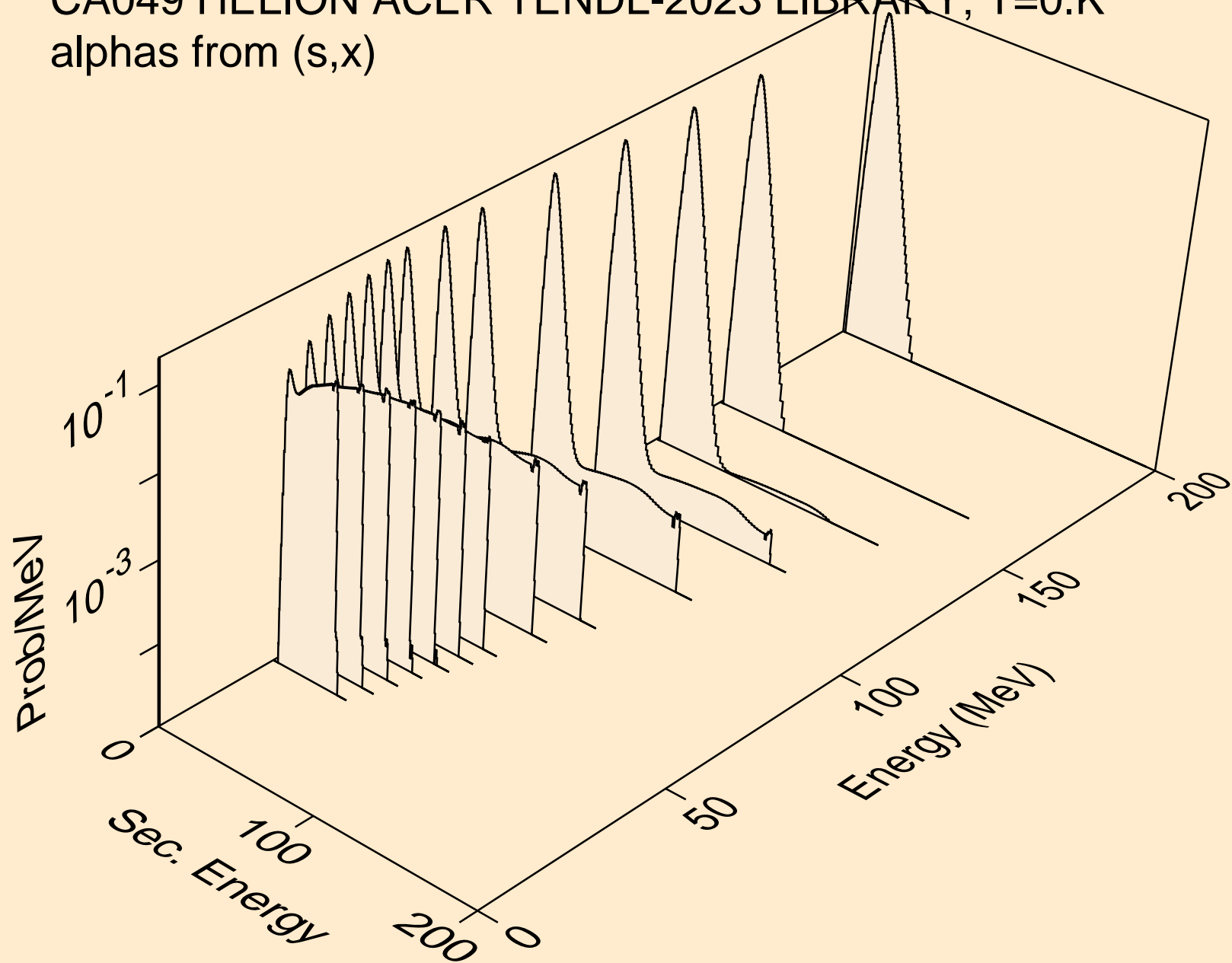
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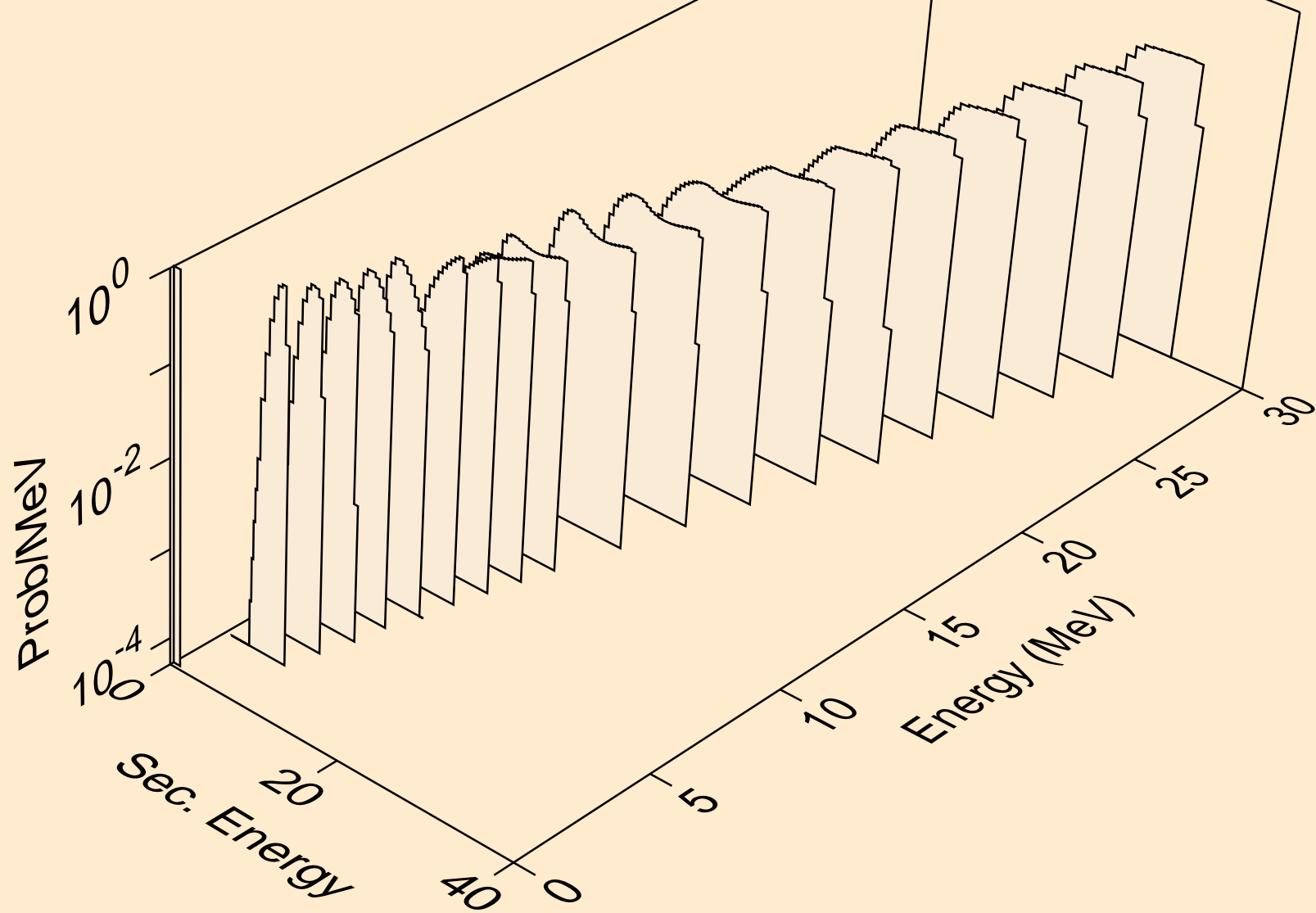
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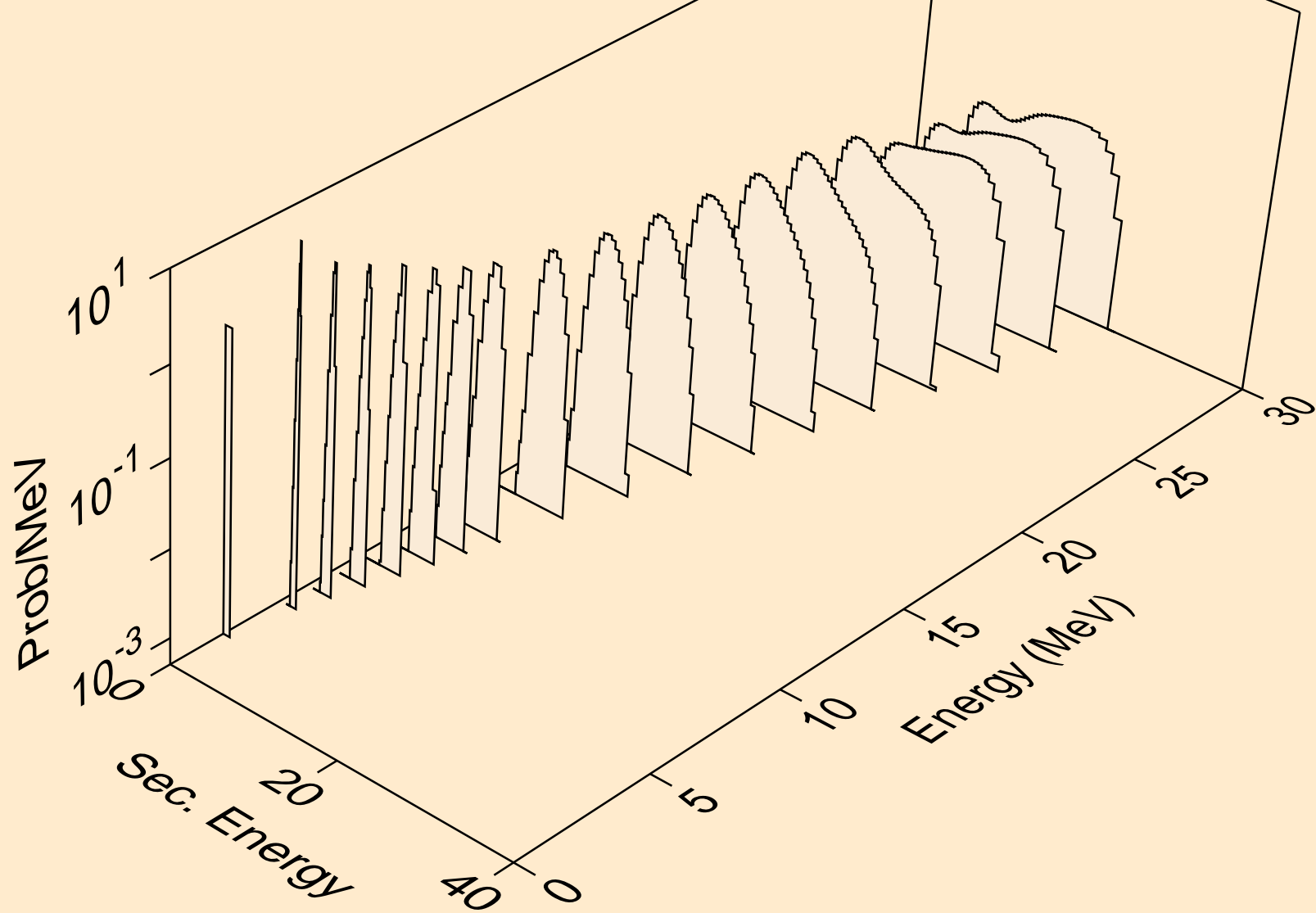
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alphas from (s,x)



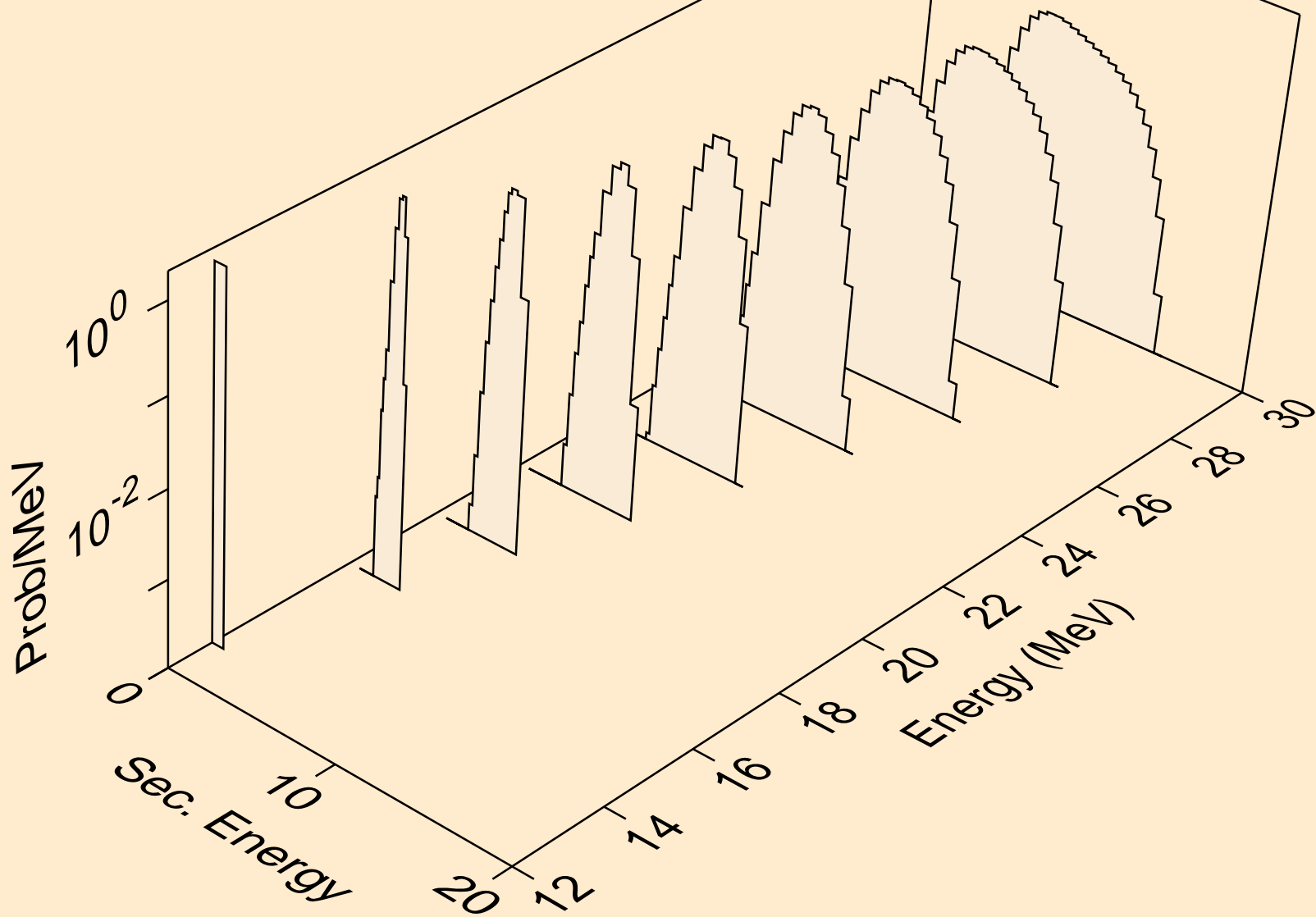
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alphas from (s,n\*)a



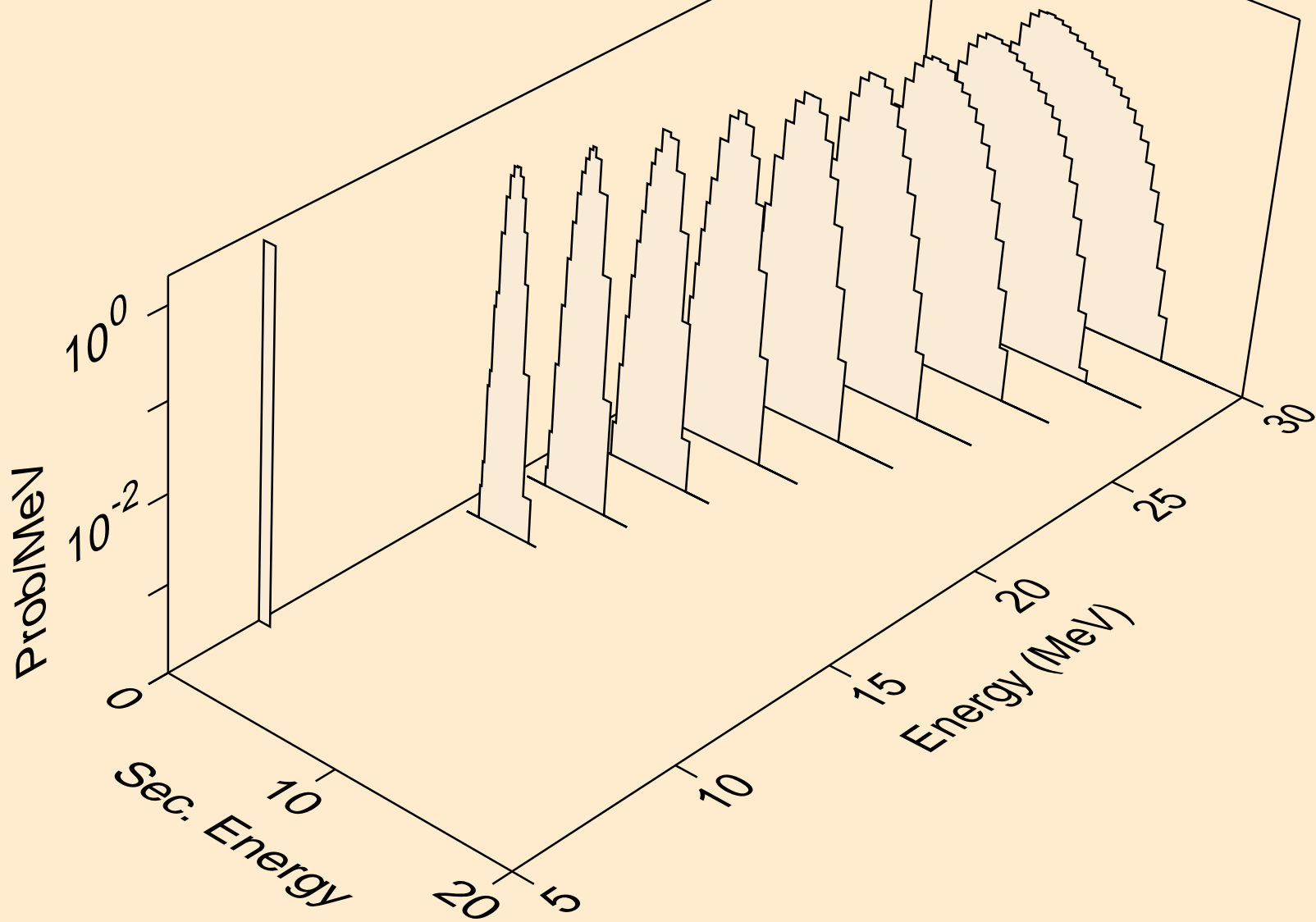
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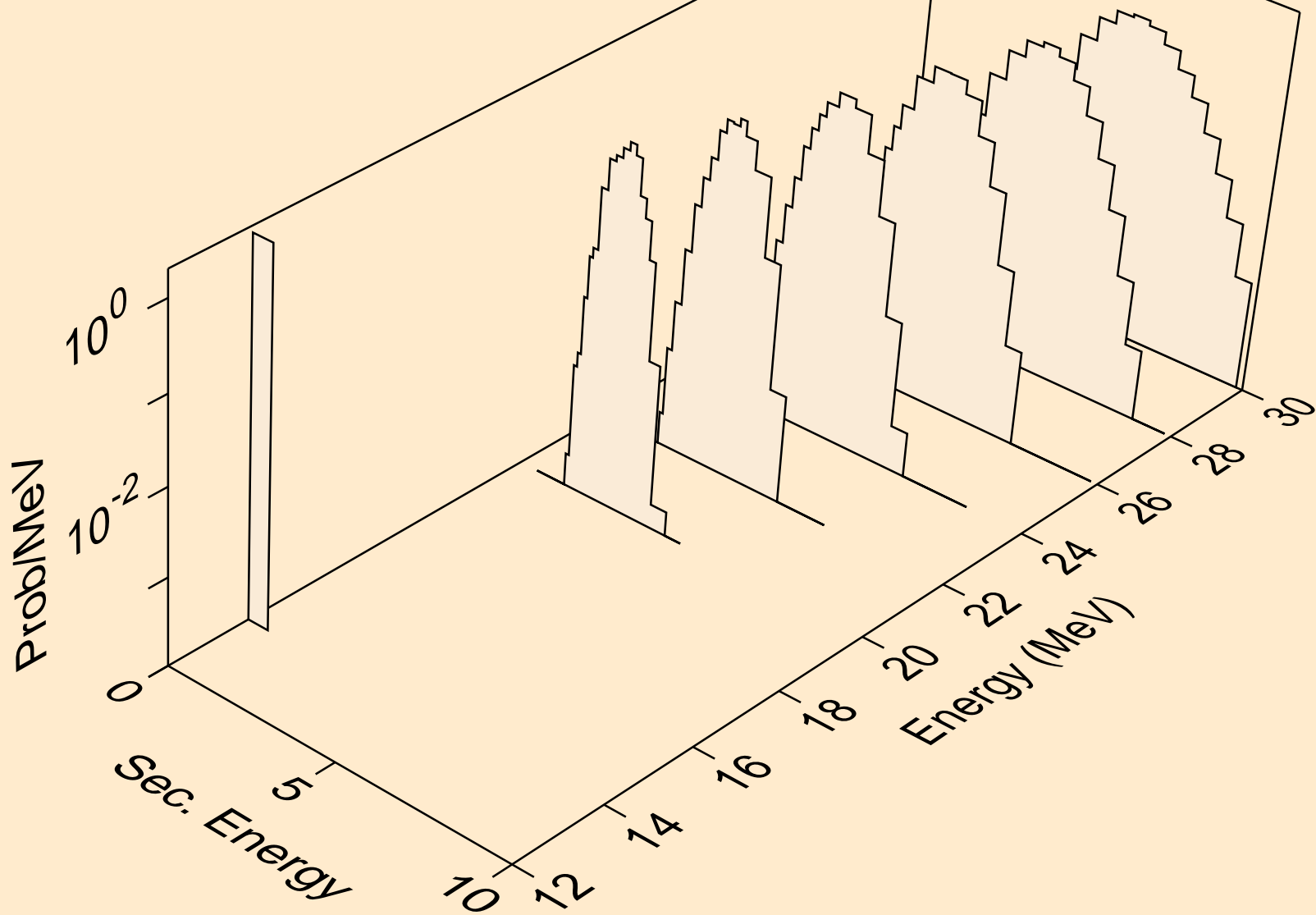


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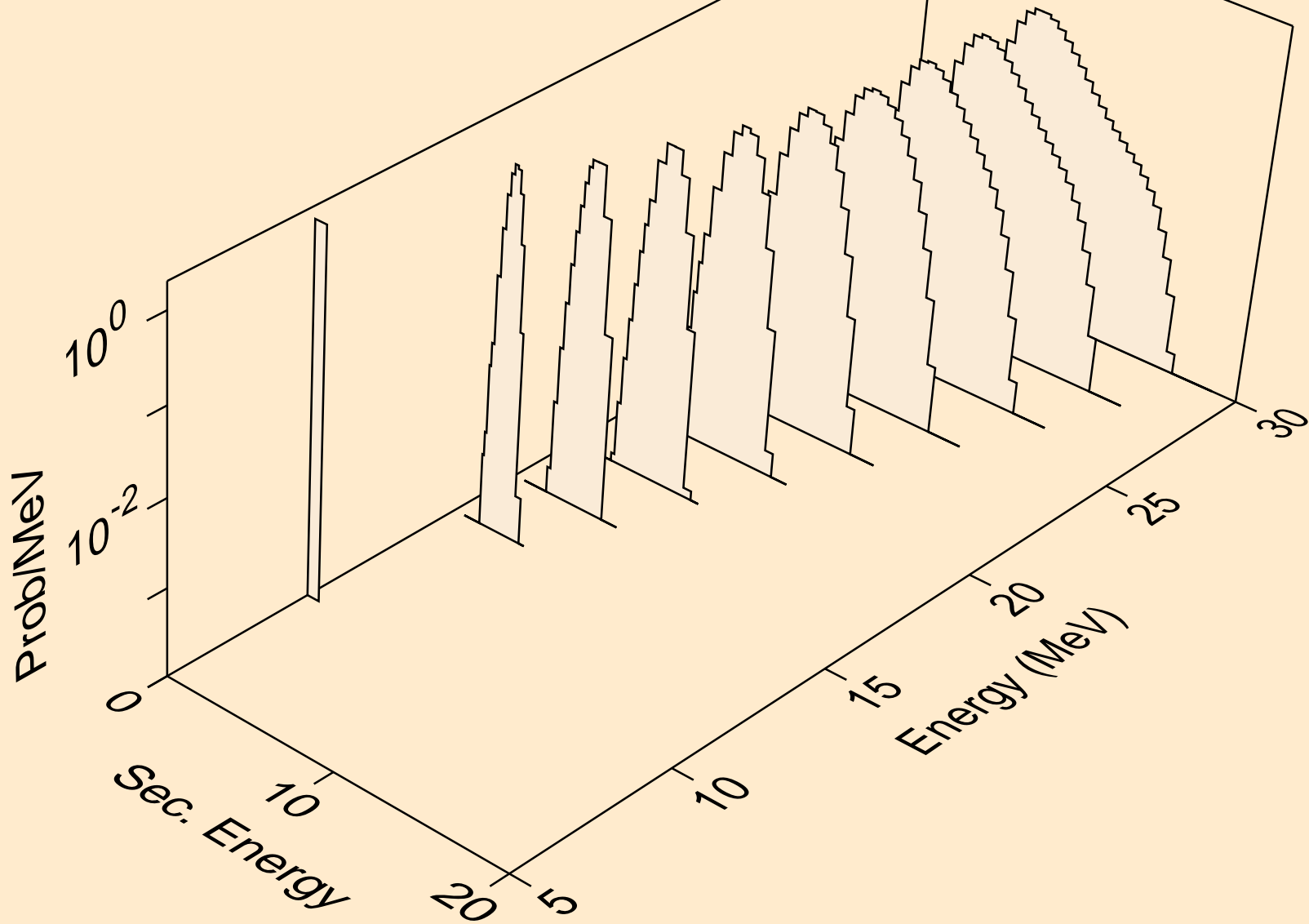




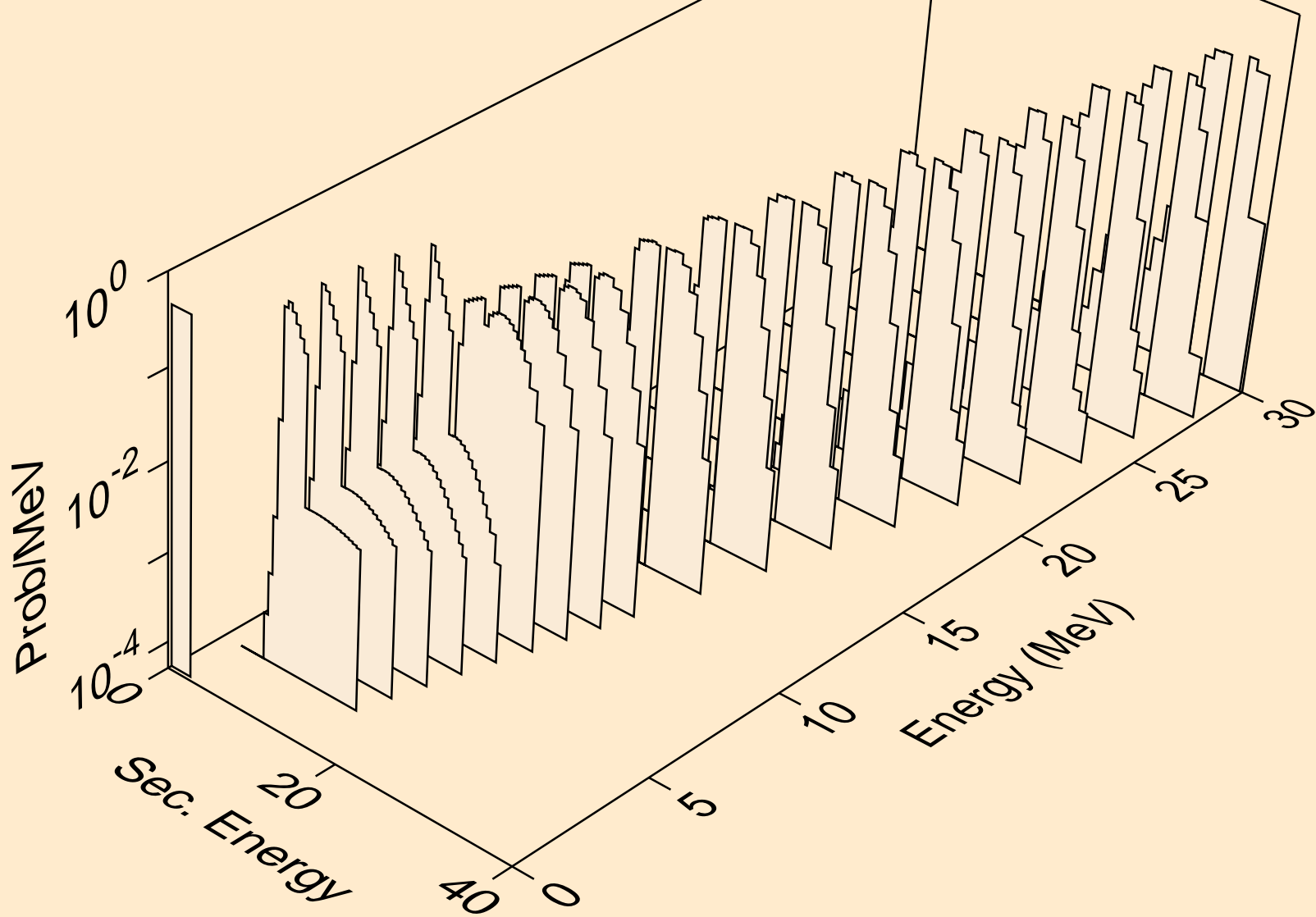
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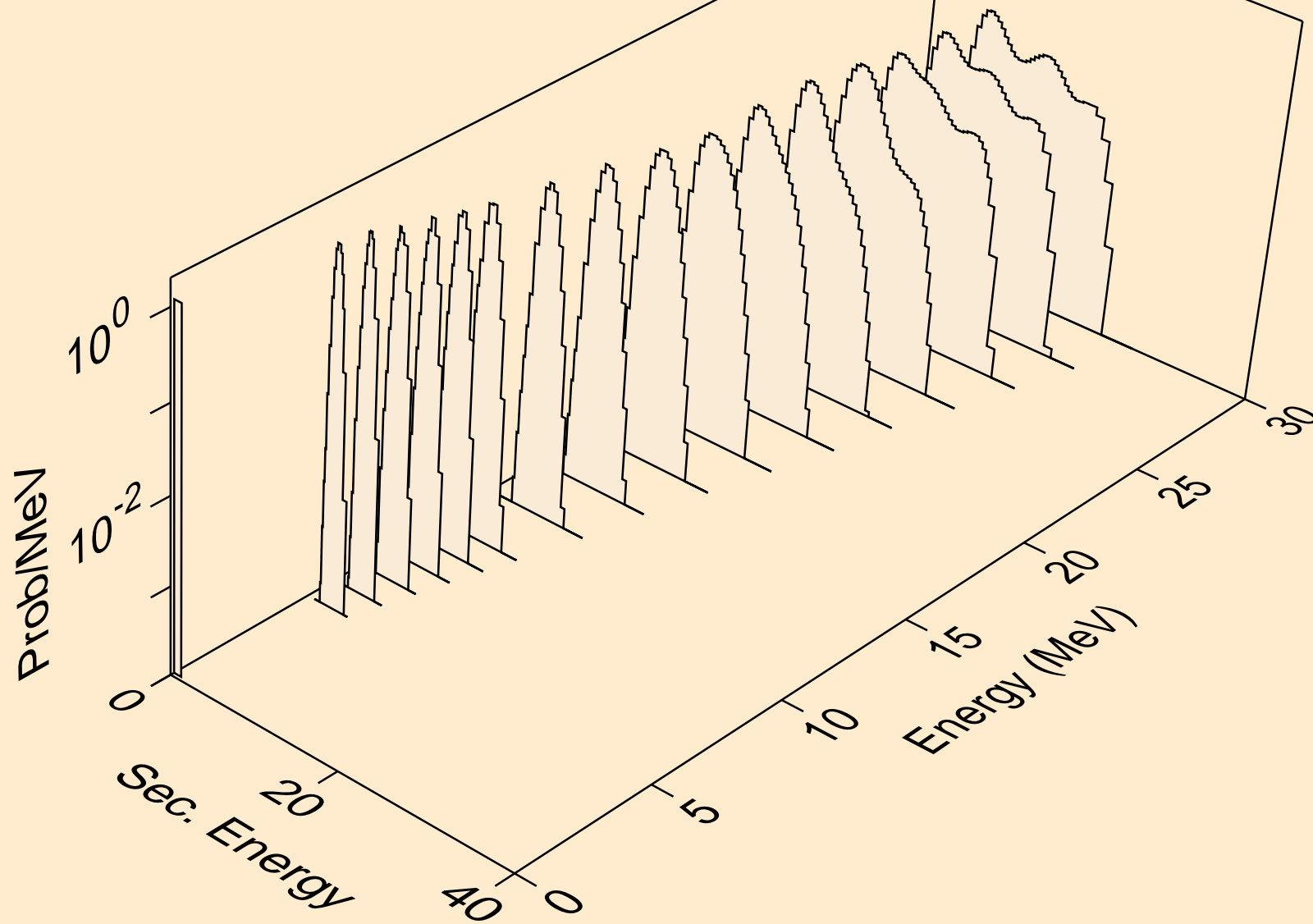
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alphas from (s,npa)



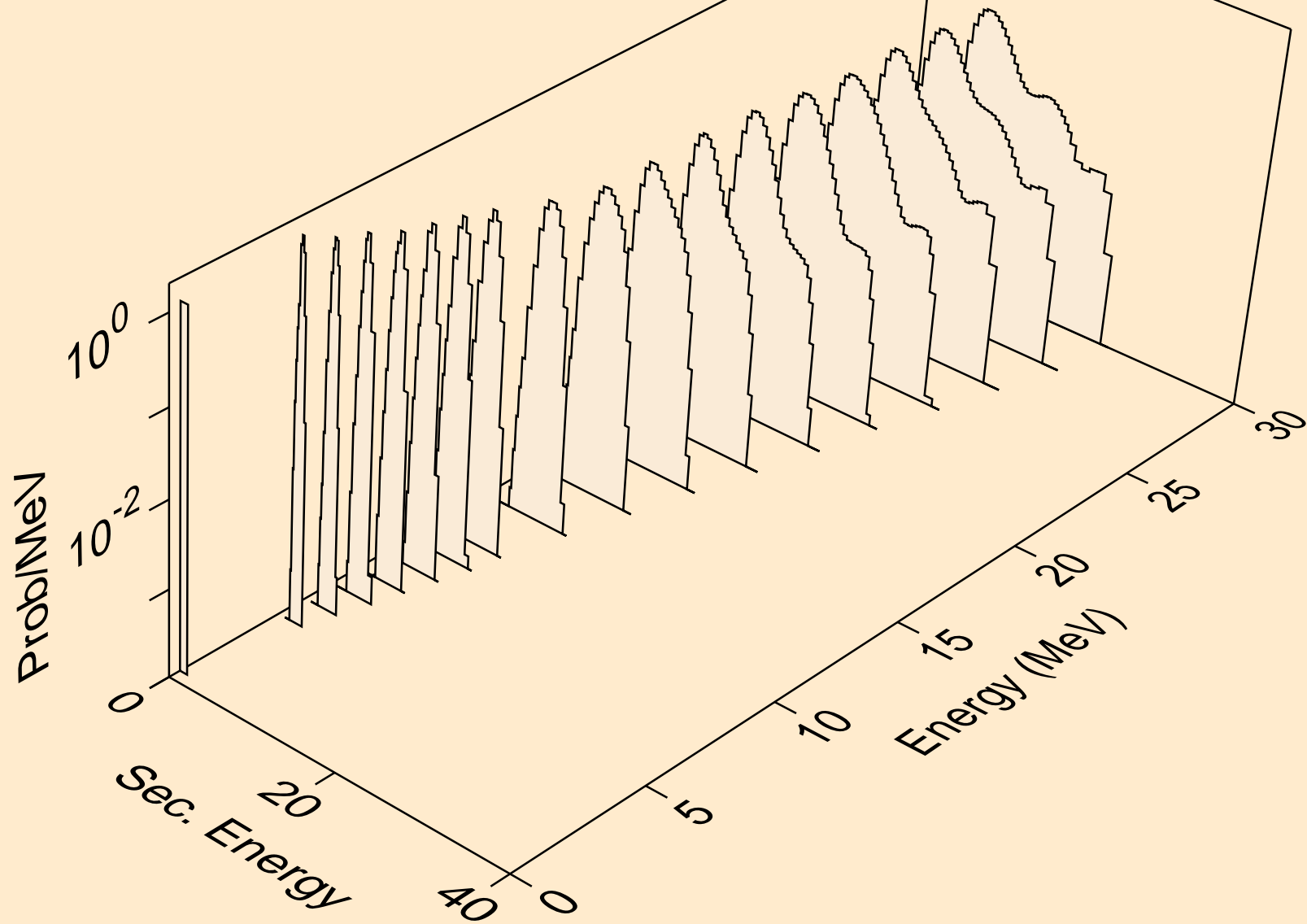
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alphas from (s,a)



CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)



CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



CA049 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

