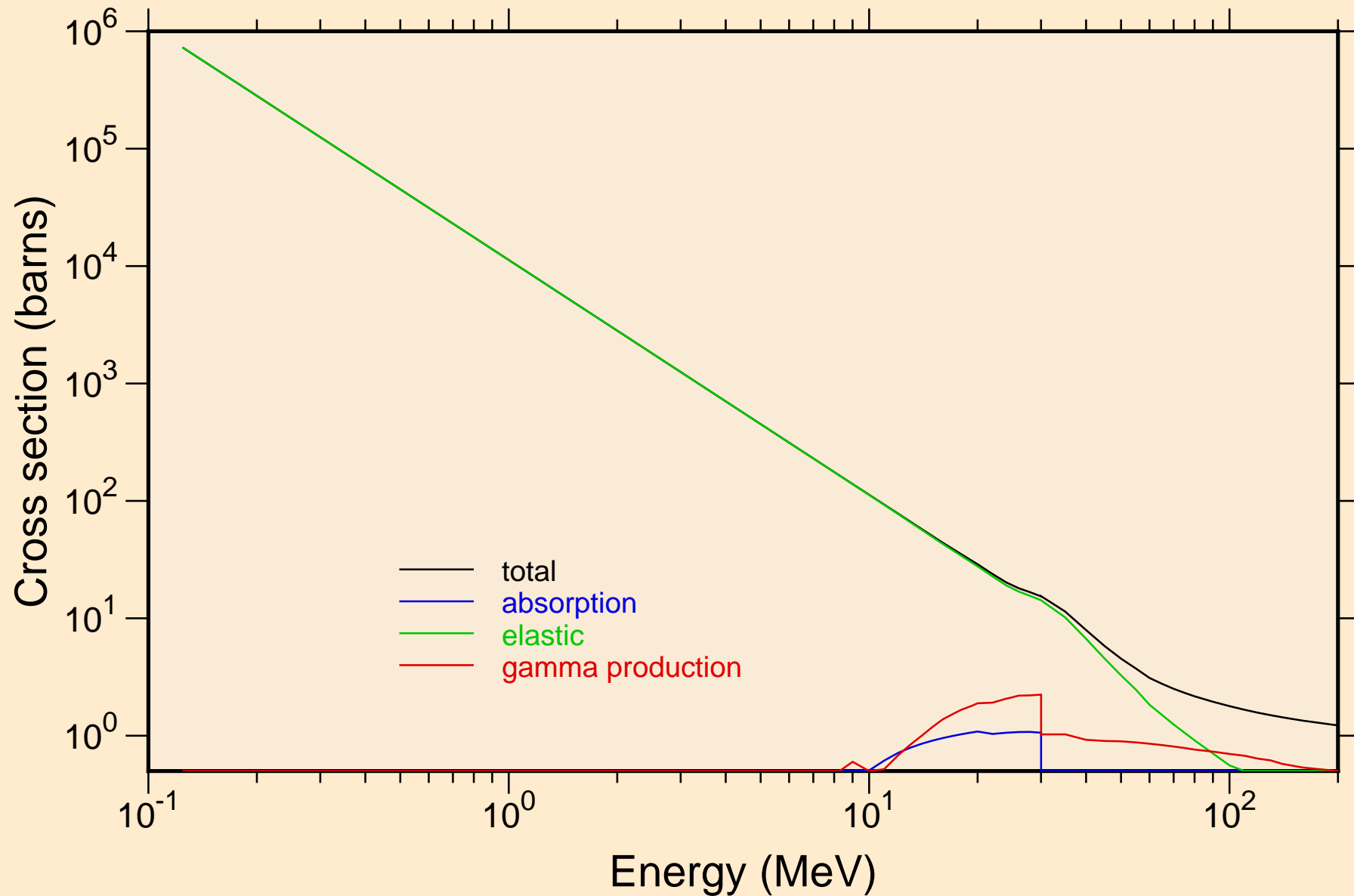


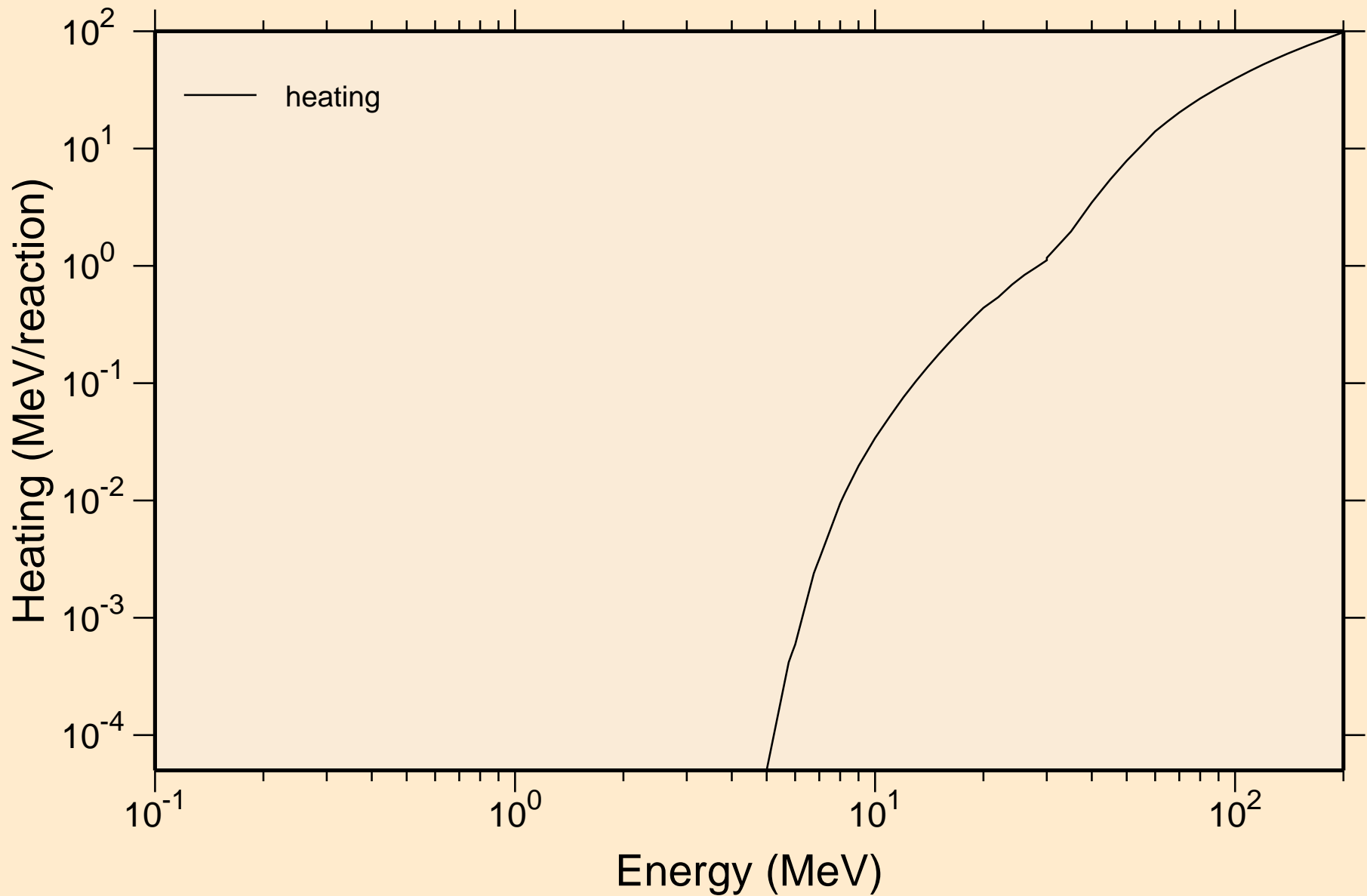
# CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



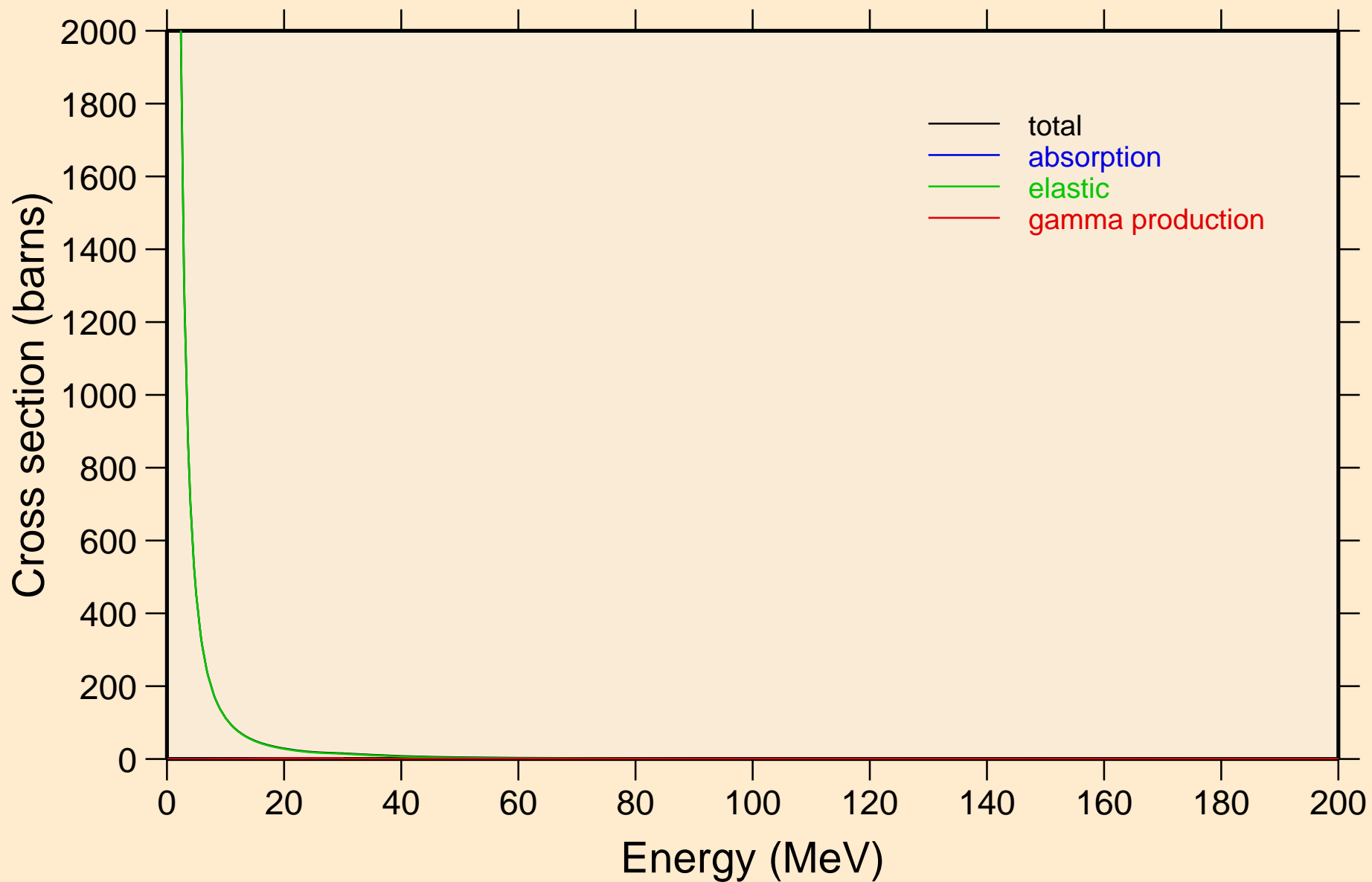
# CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Heating

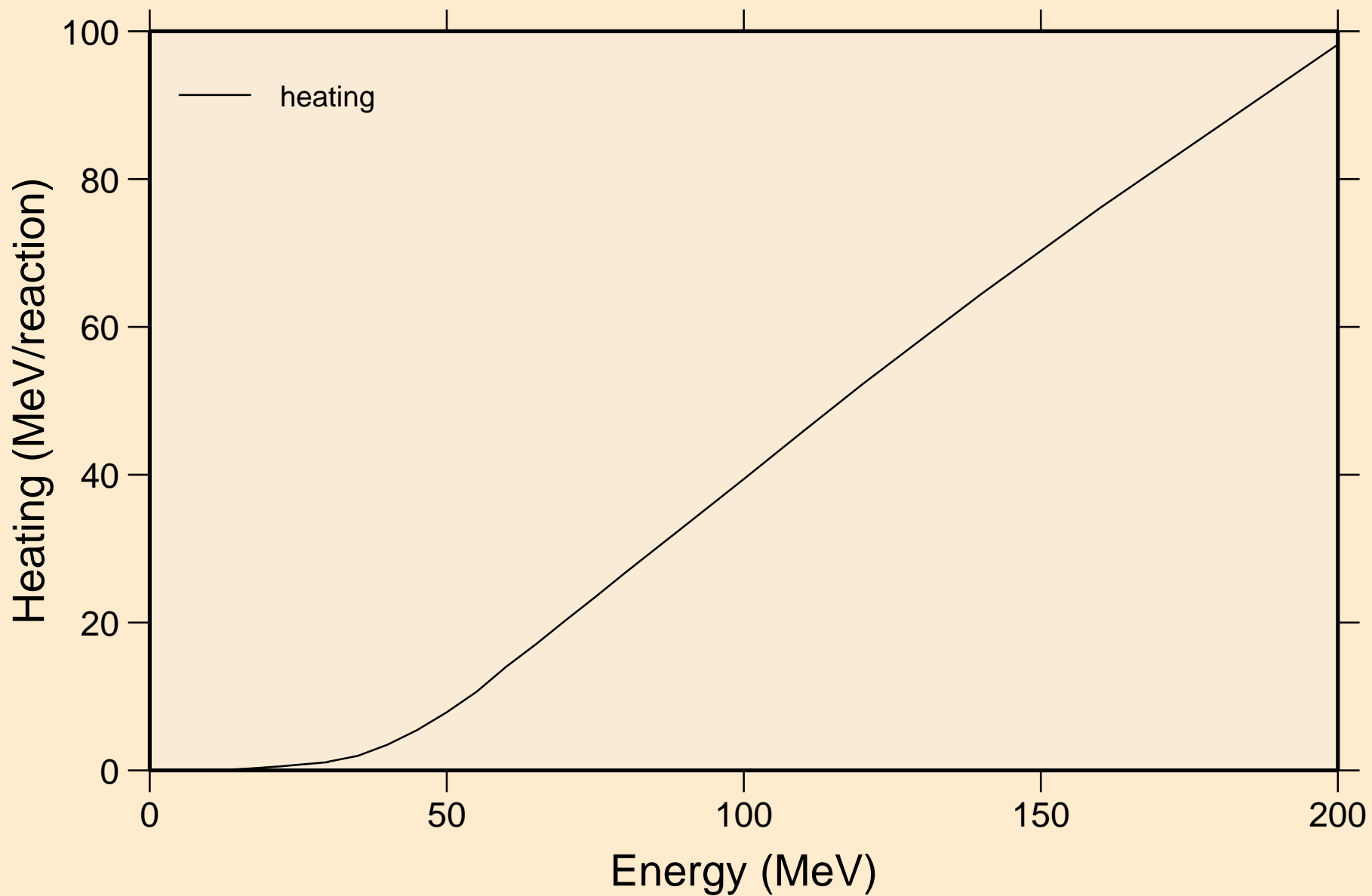


# CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K

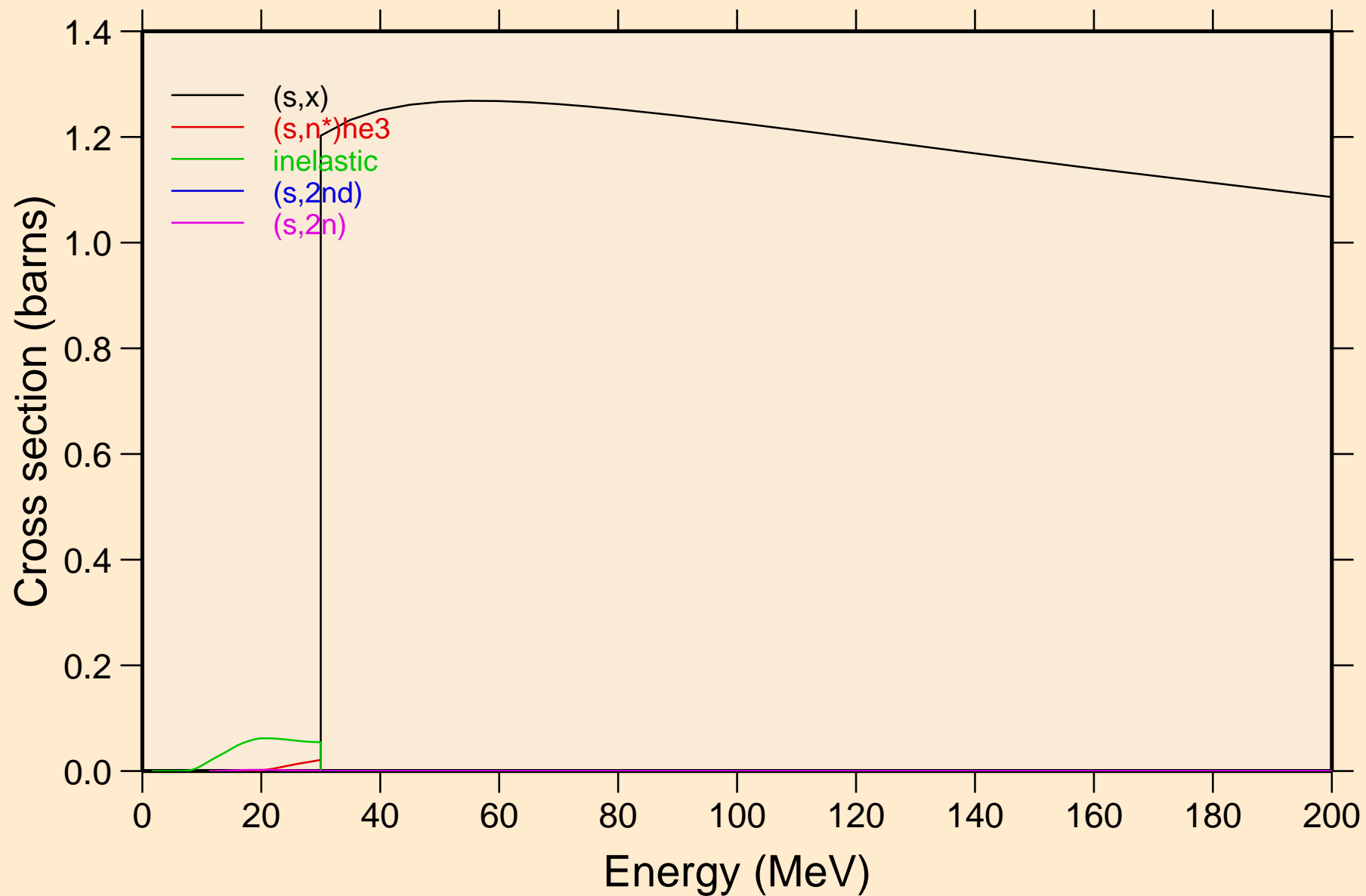
## Principal cross sections



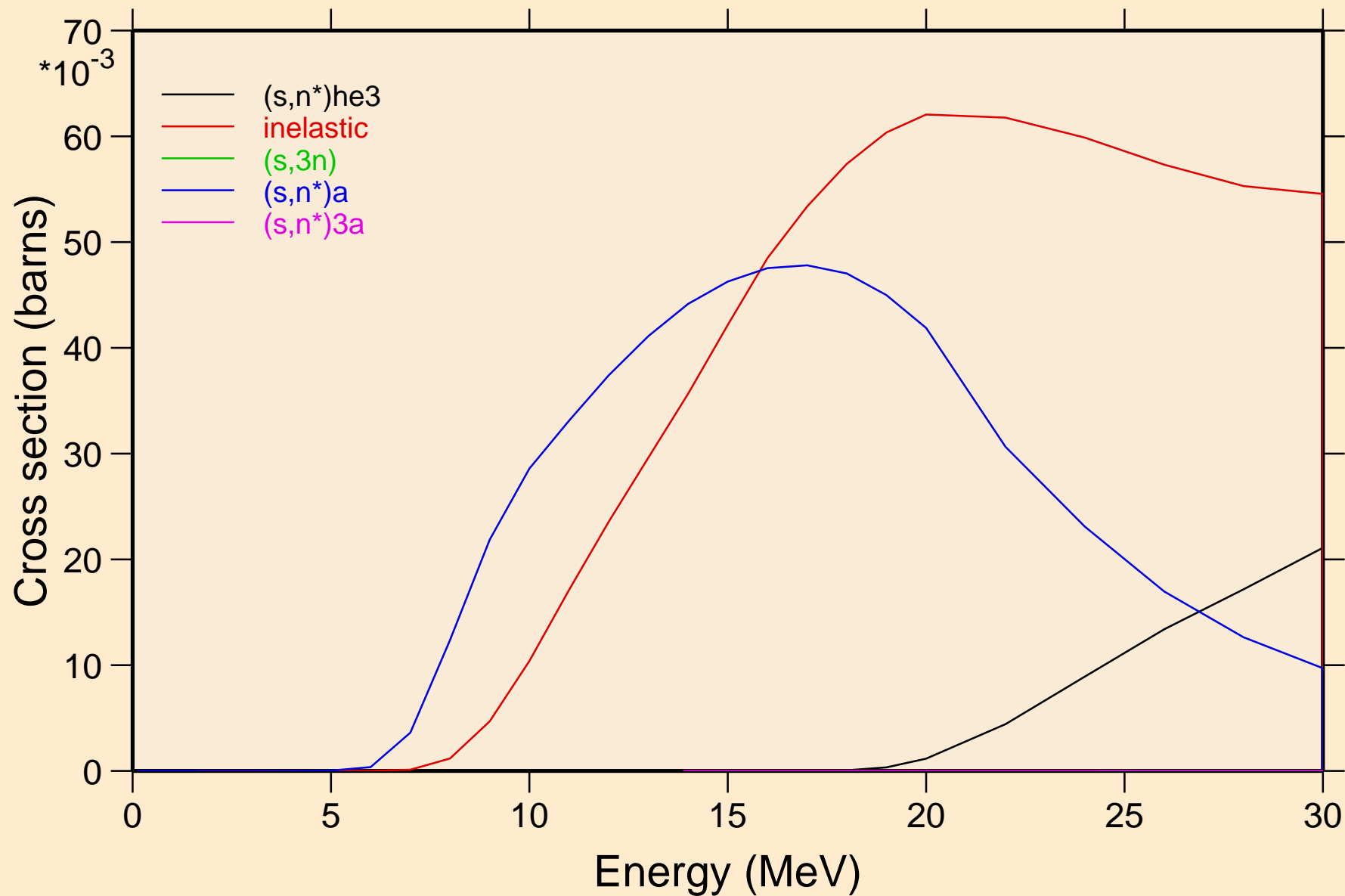
CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Heating



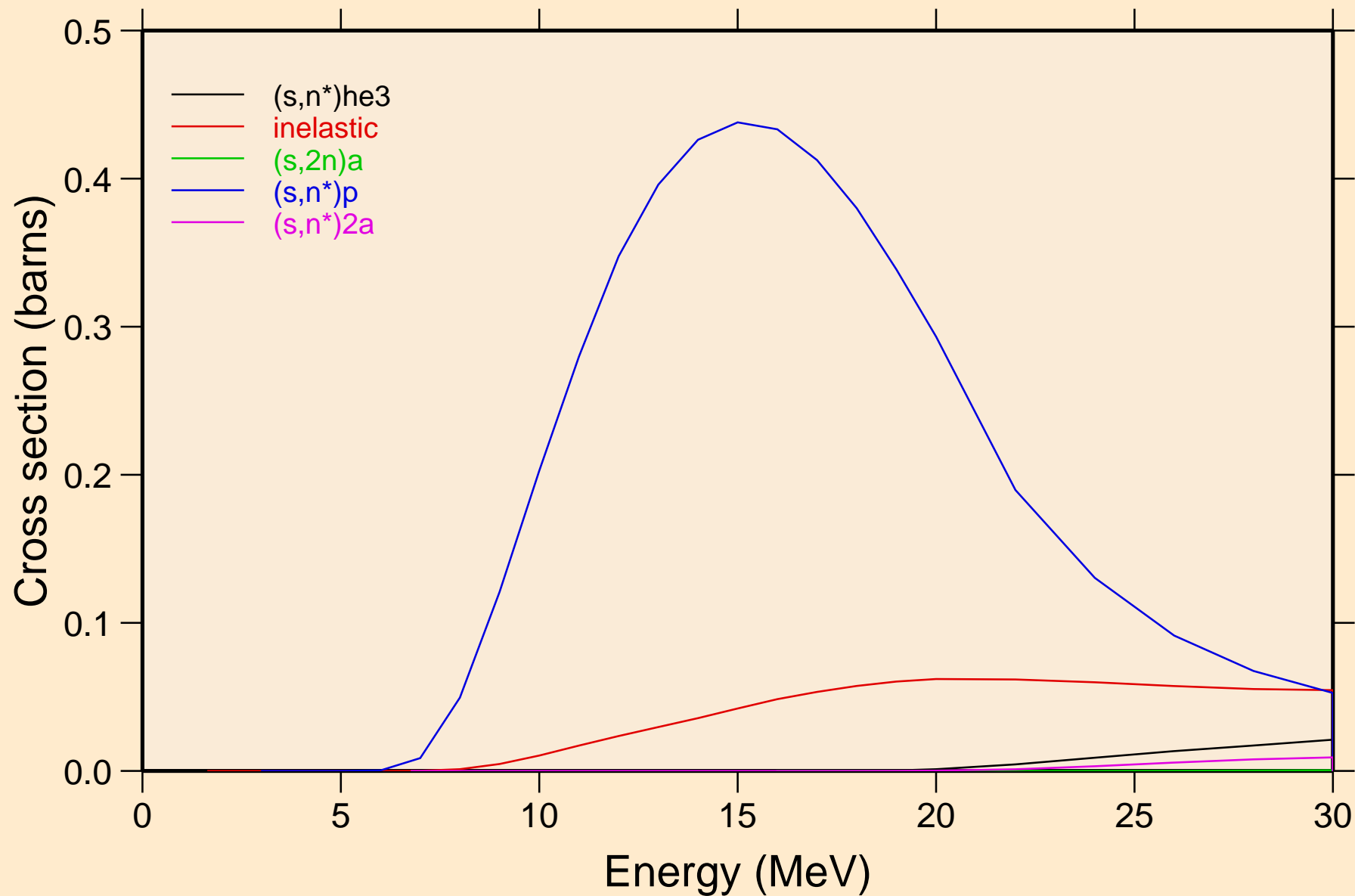
CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



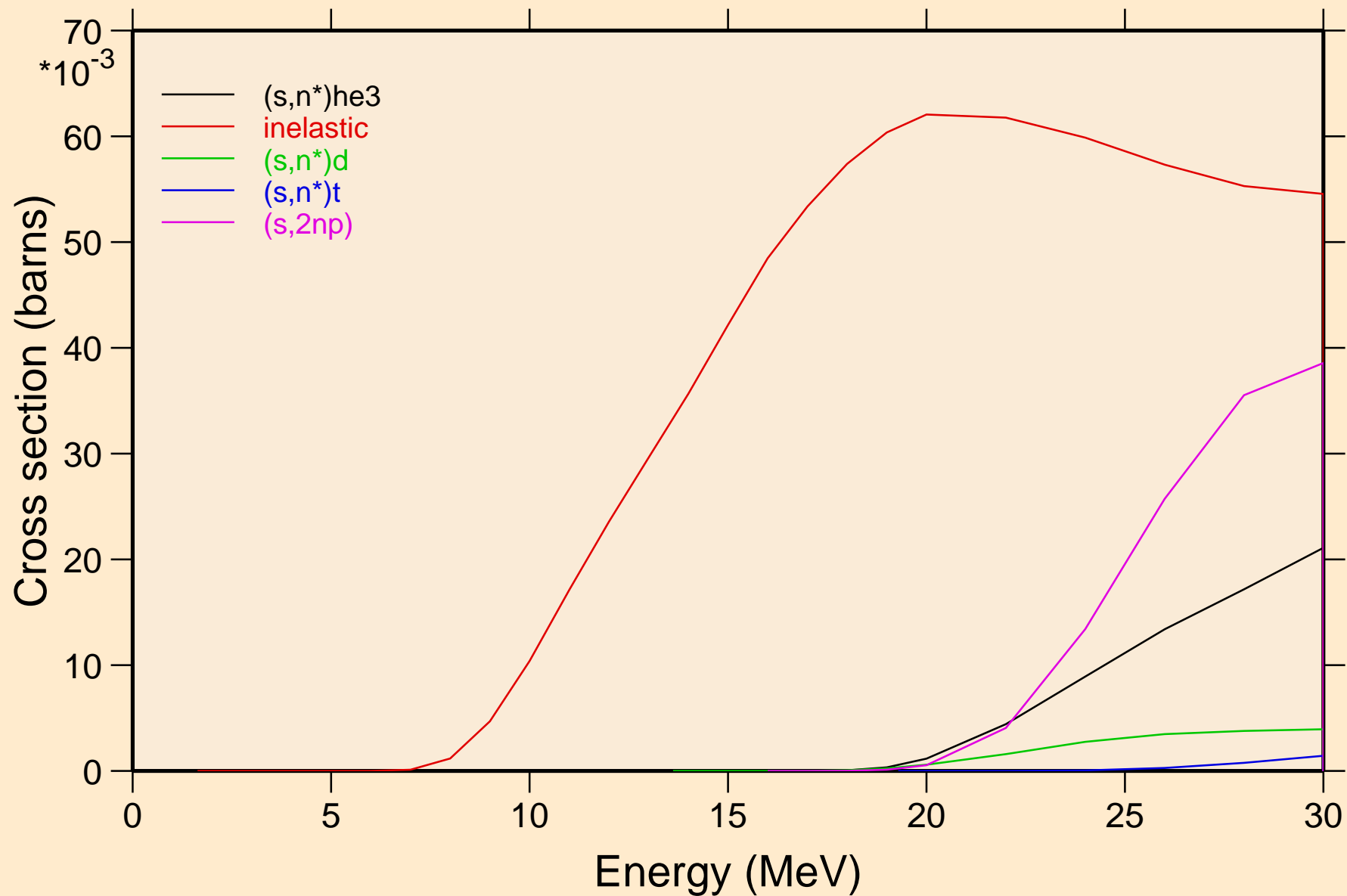
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Threshold reactions



CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

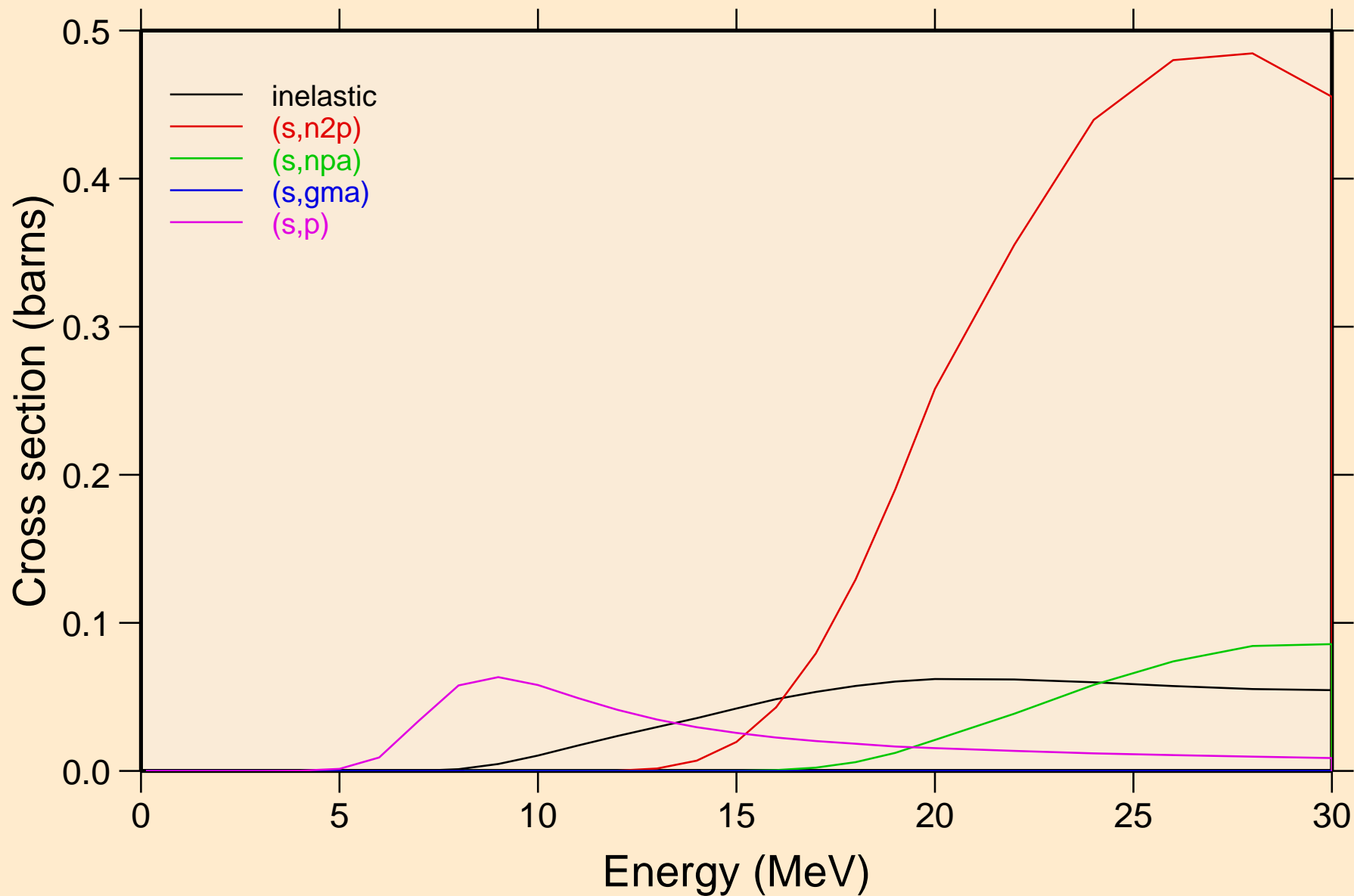


CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

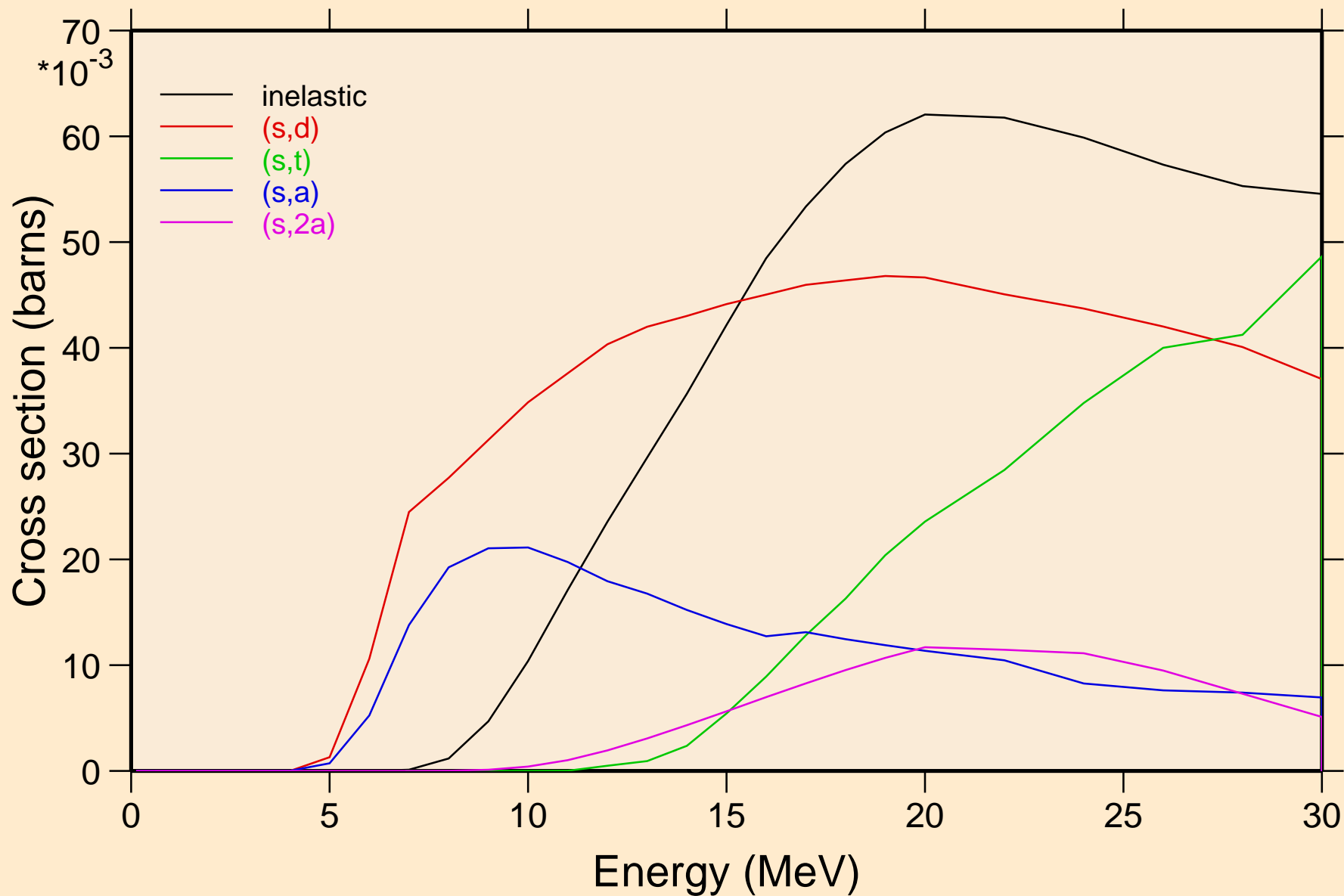




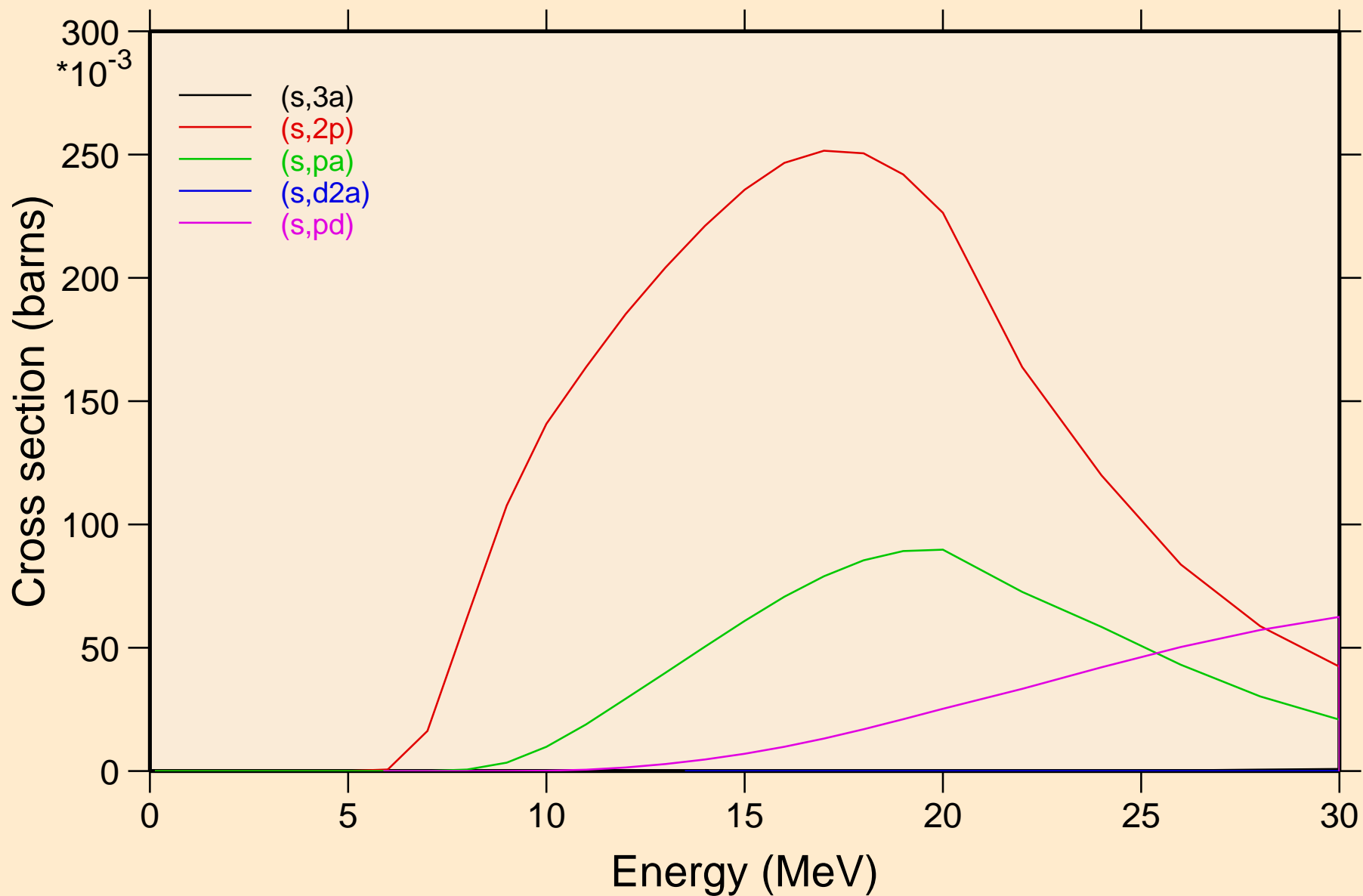
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Threshold reactions



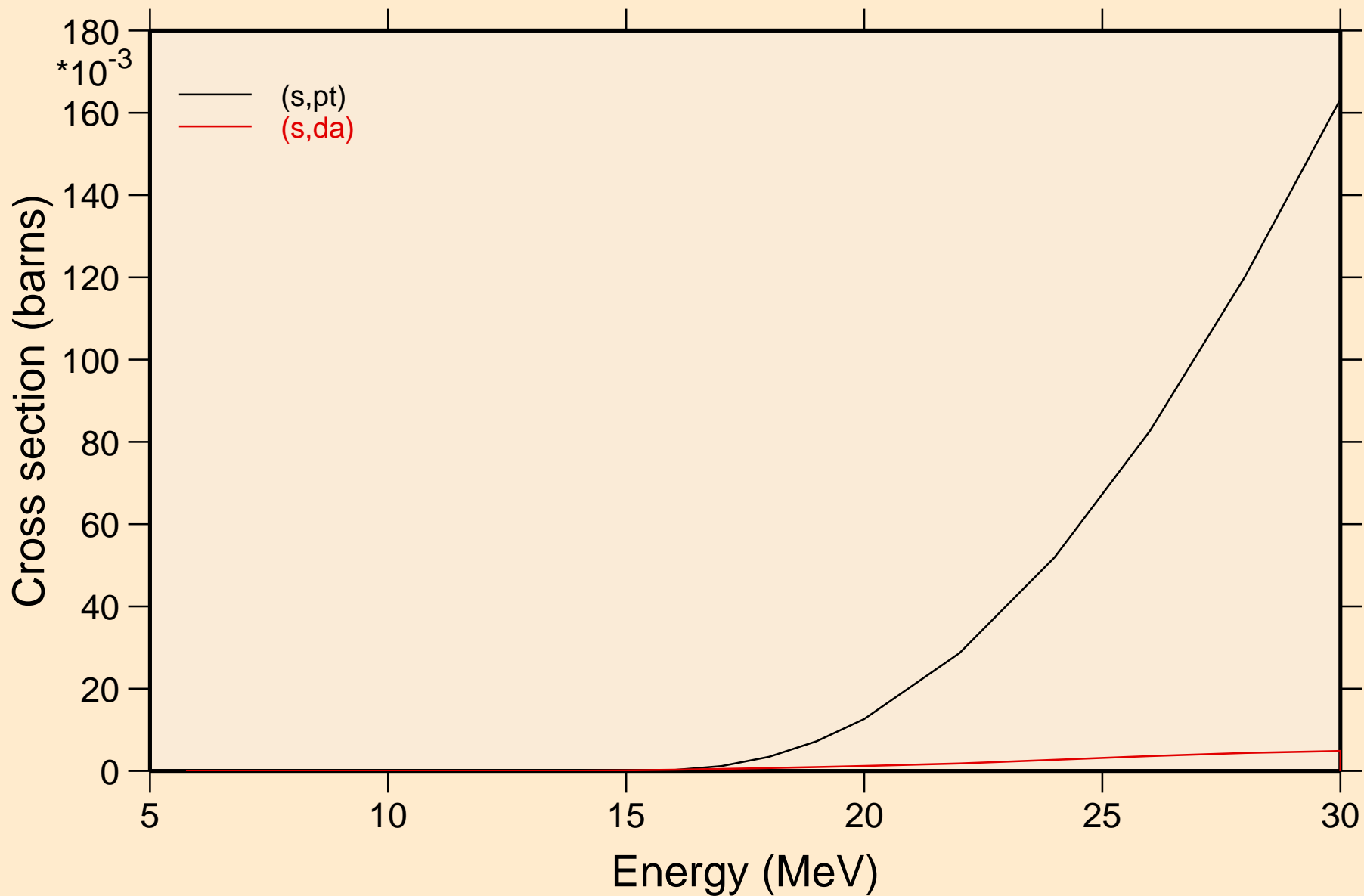
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Threshold reactions



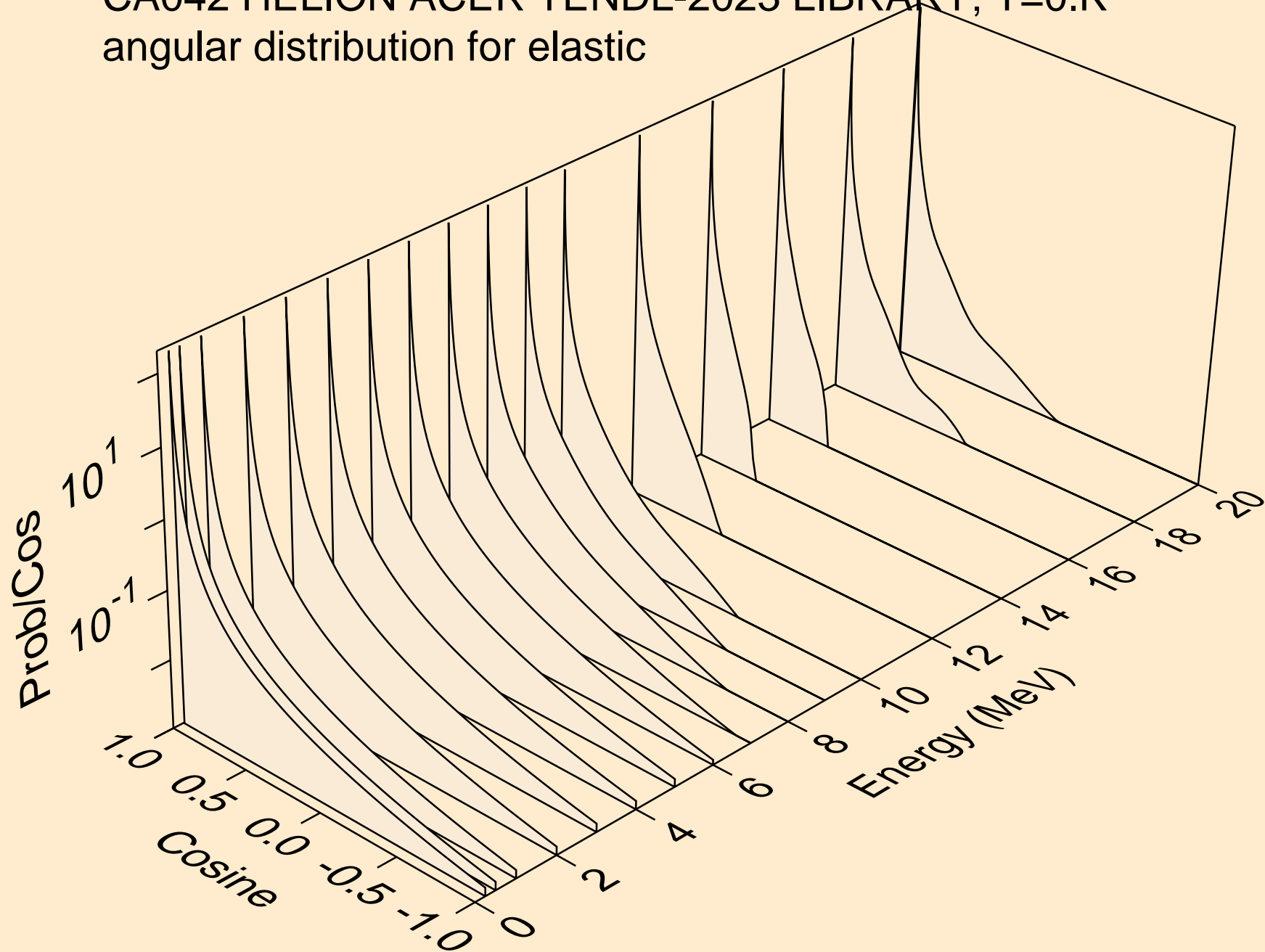
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Threshold reactions



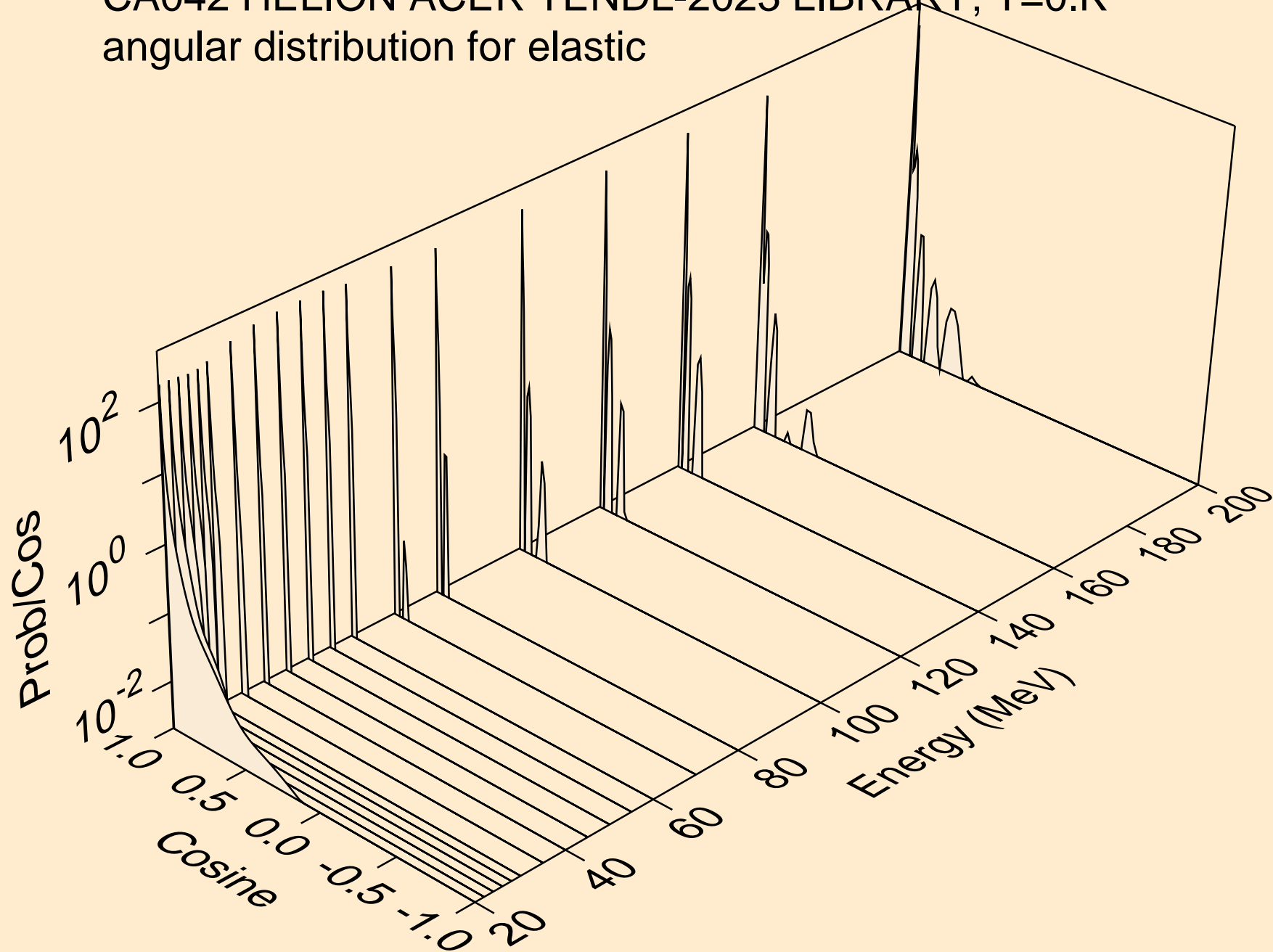
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Threshold reactions



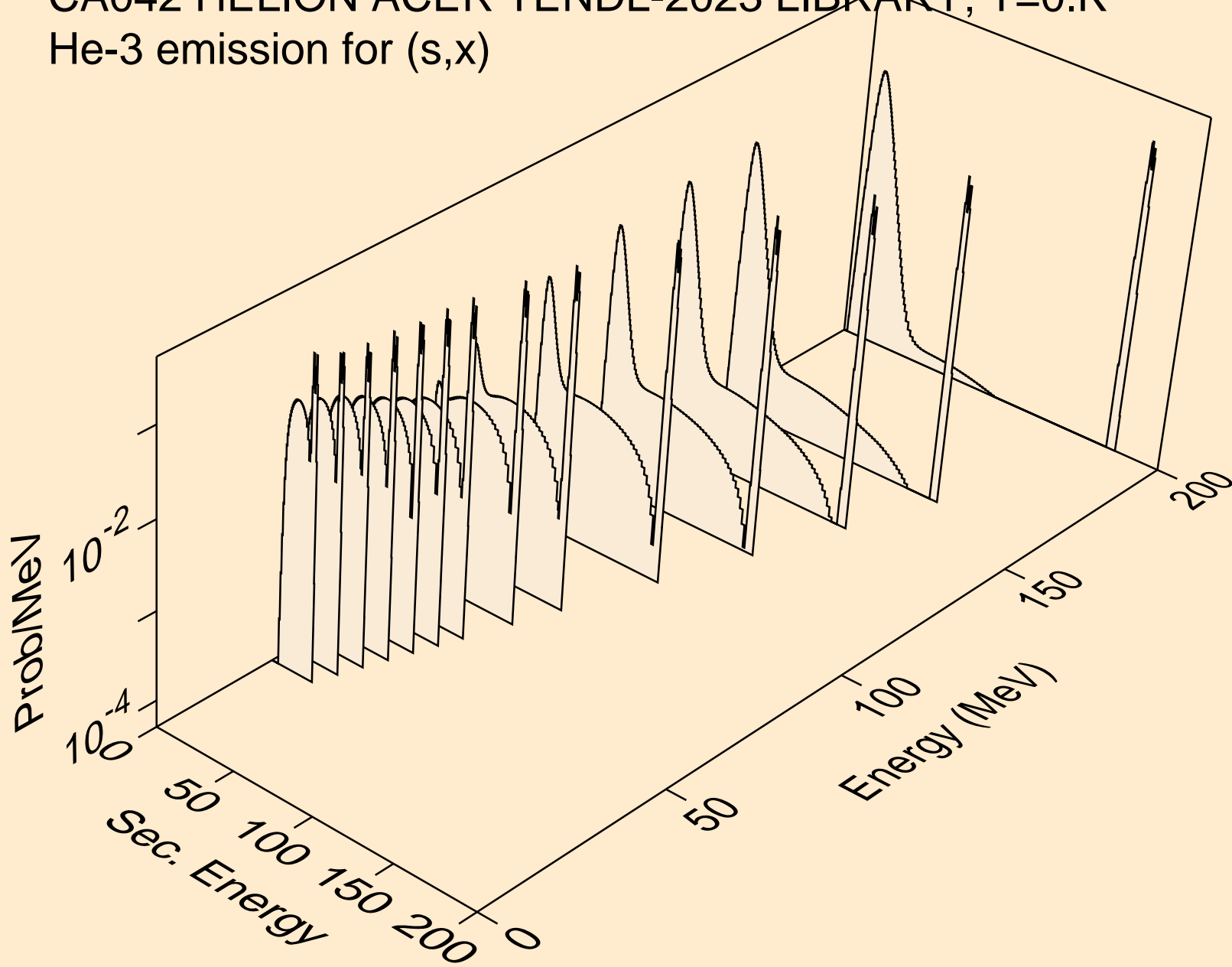
CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



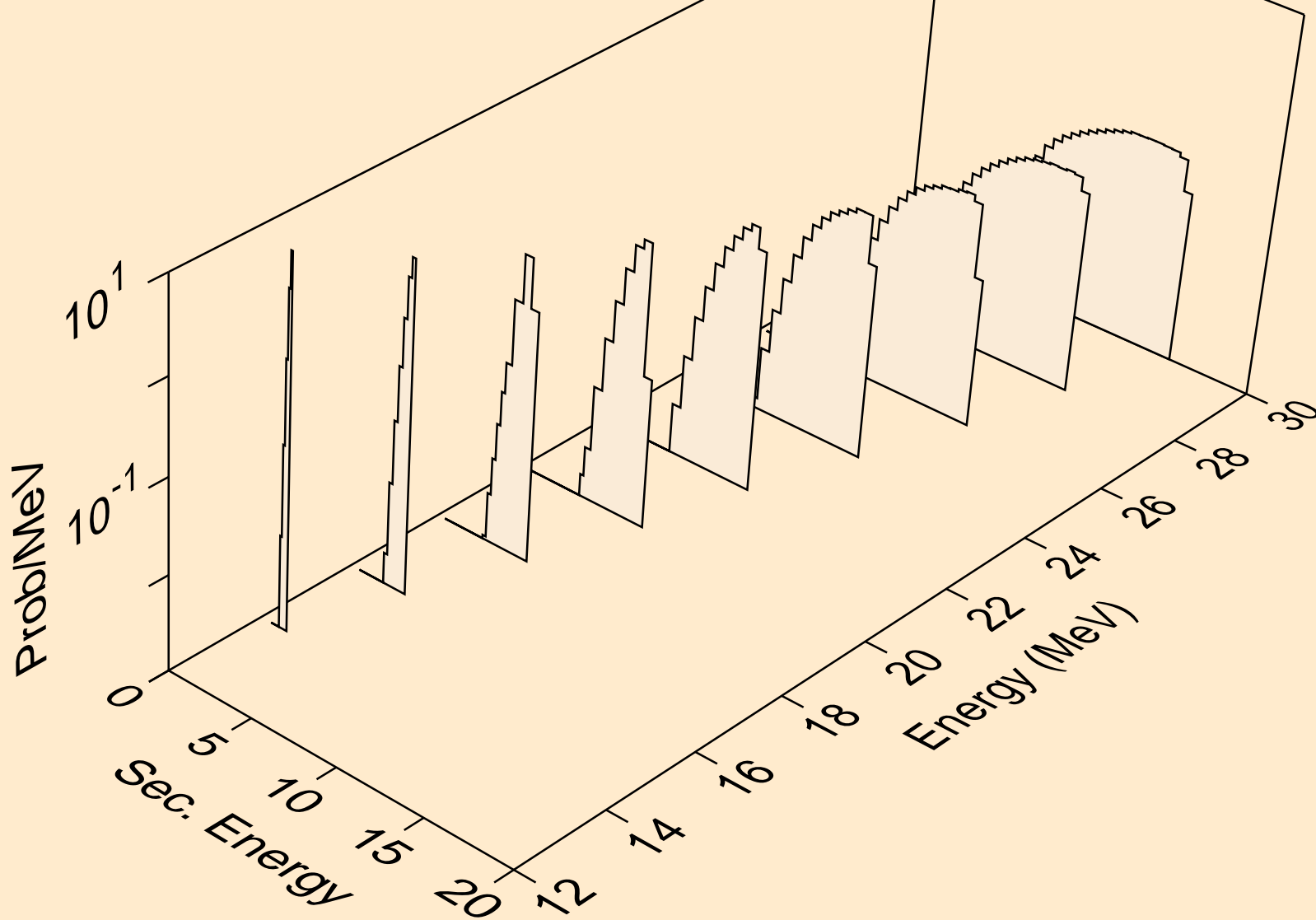
CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)

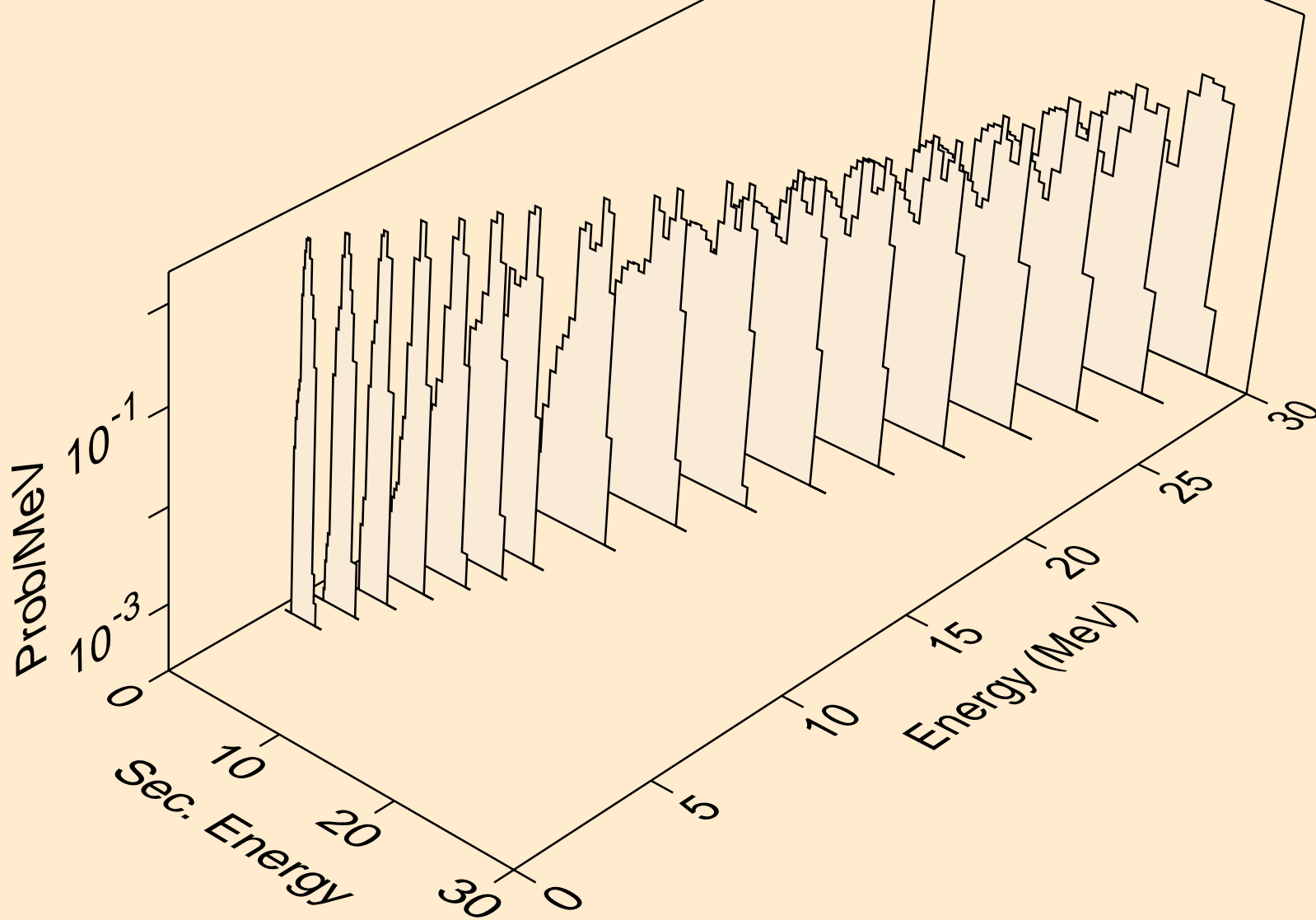


CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

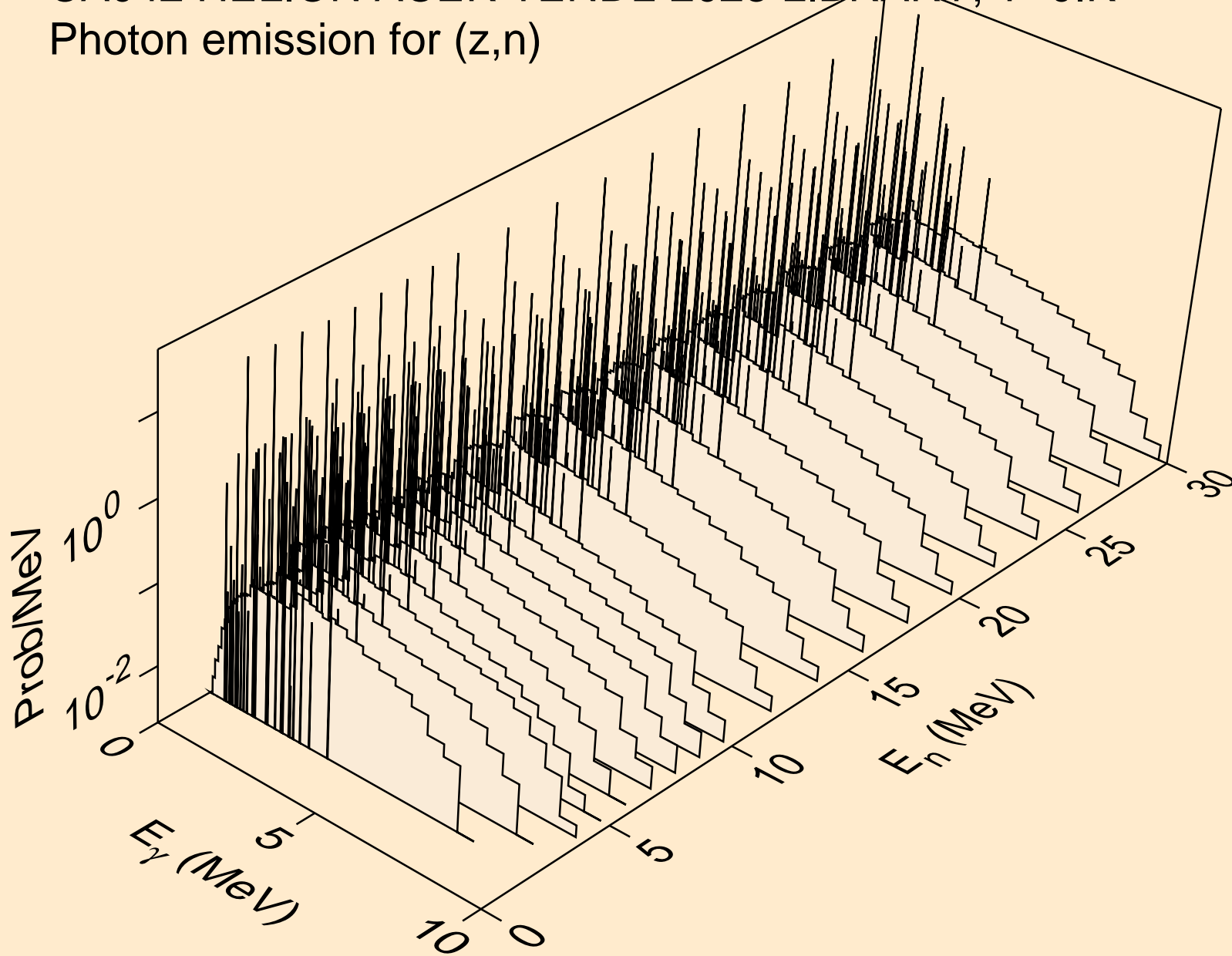




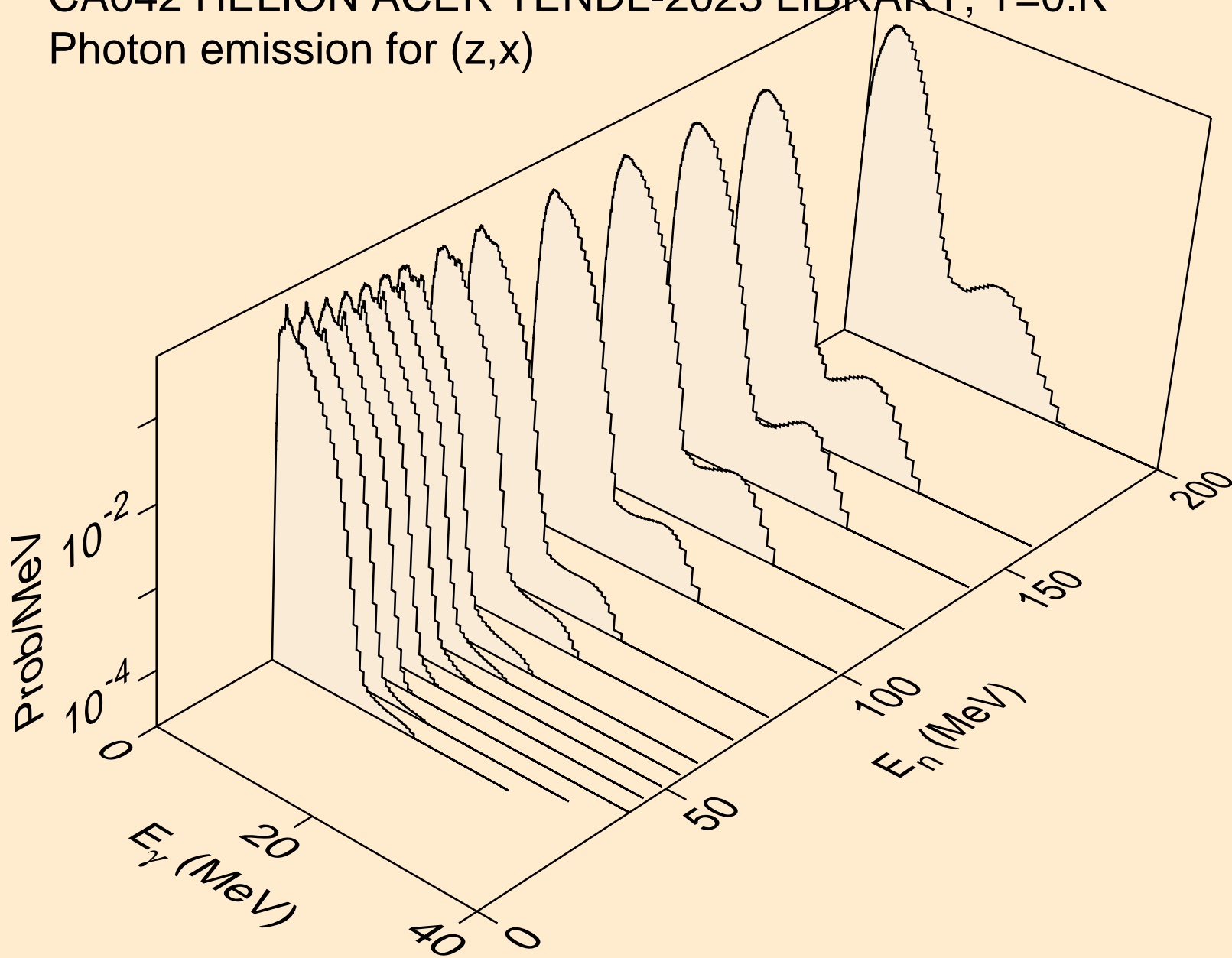
CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic



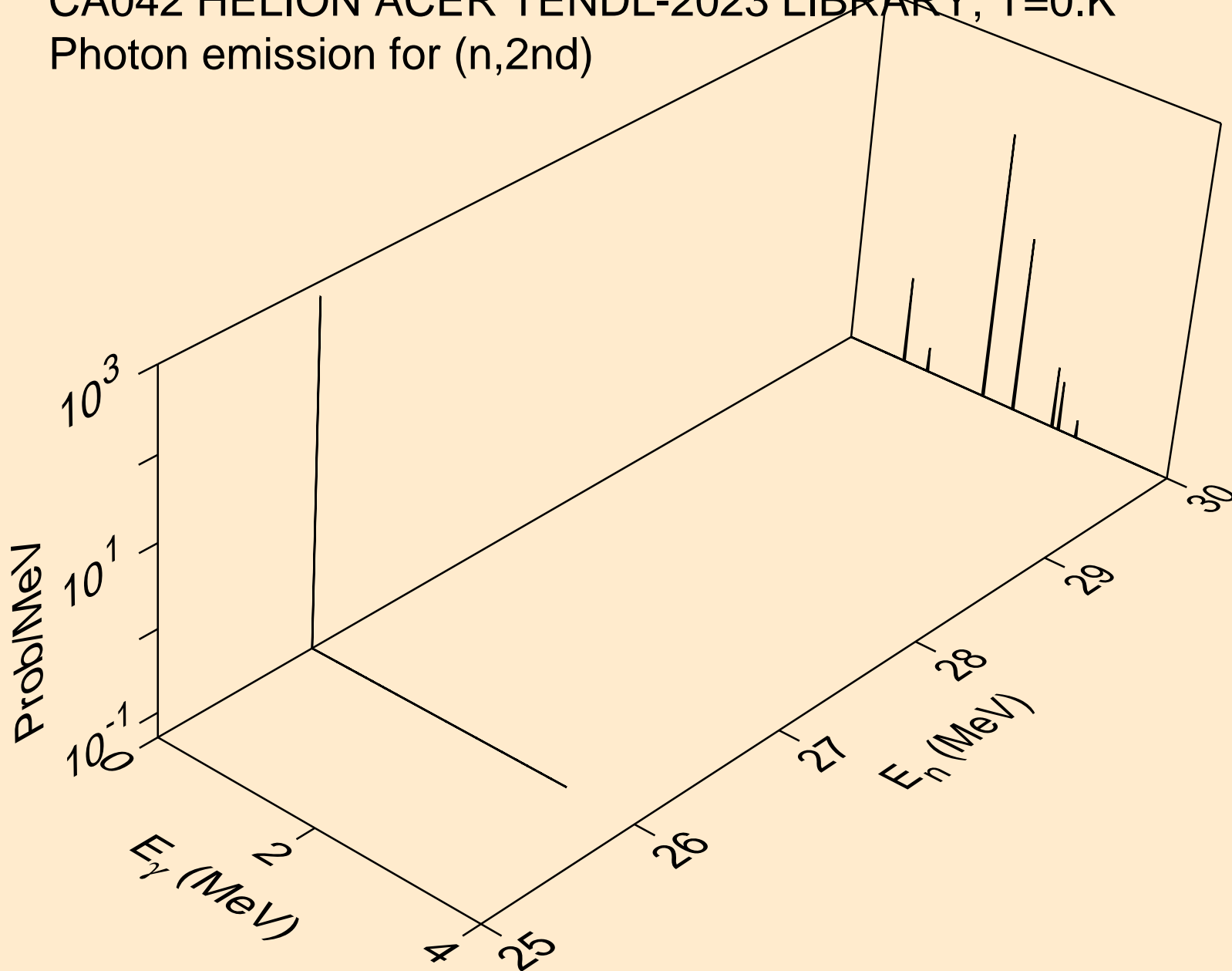
CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



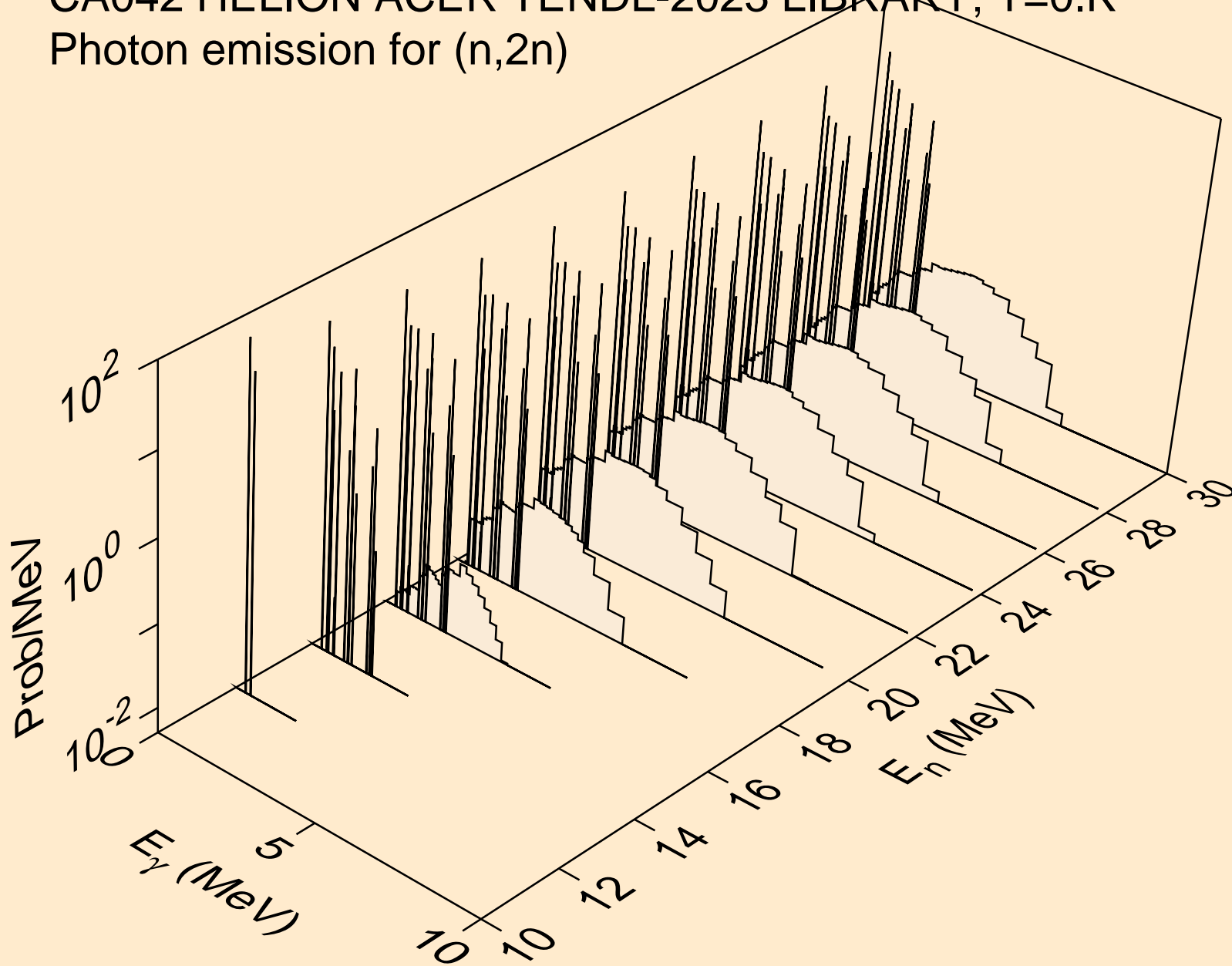
CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



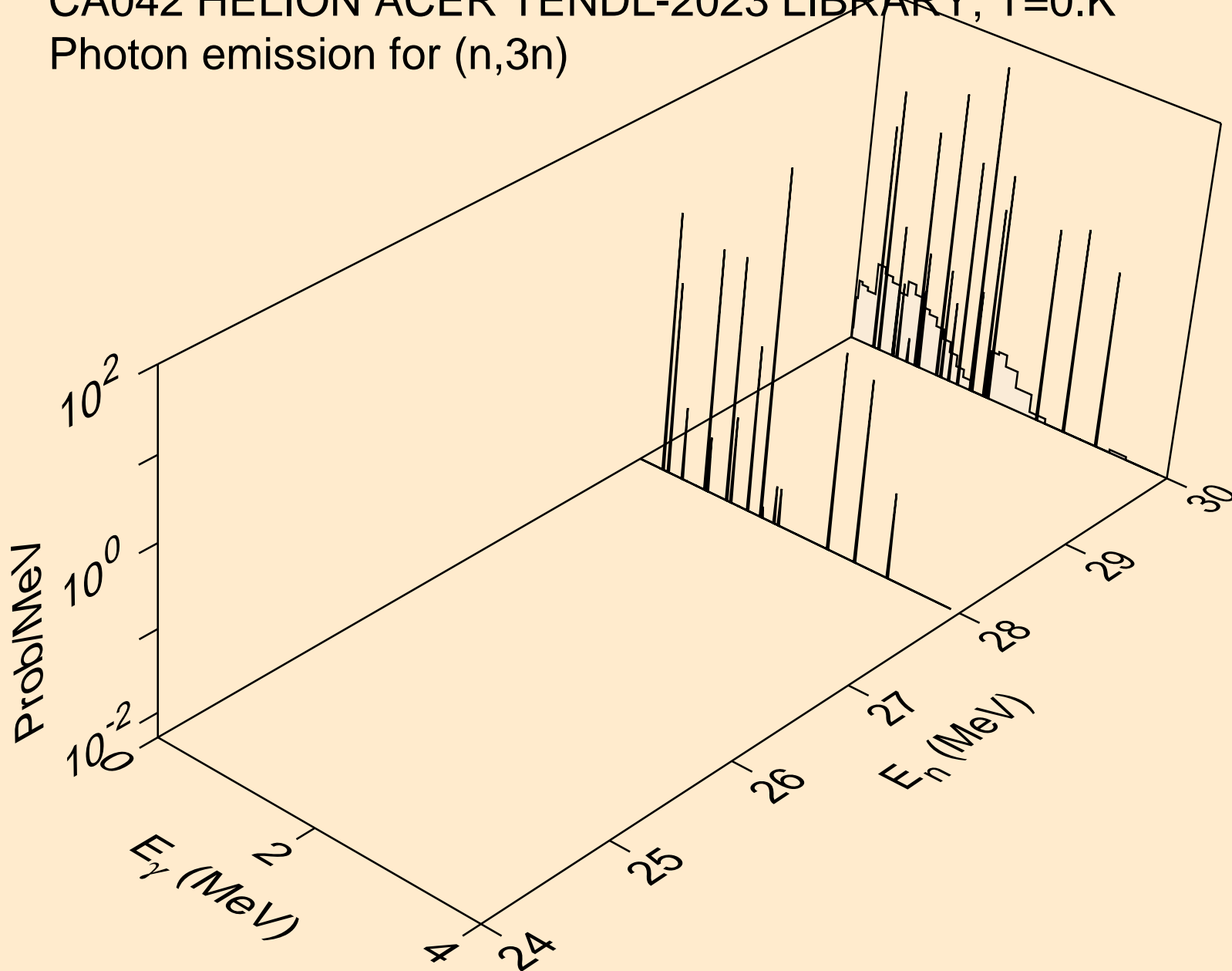
CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



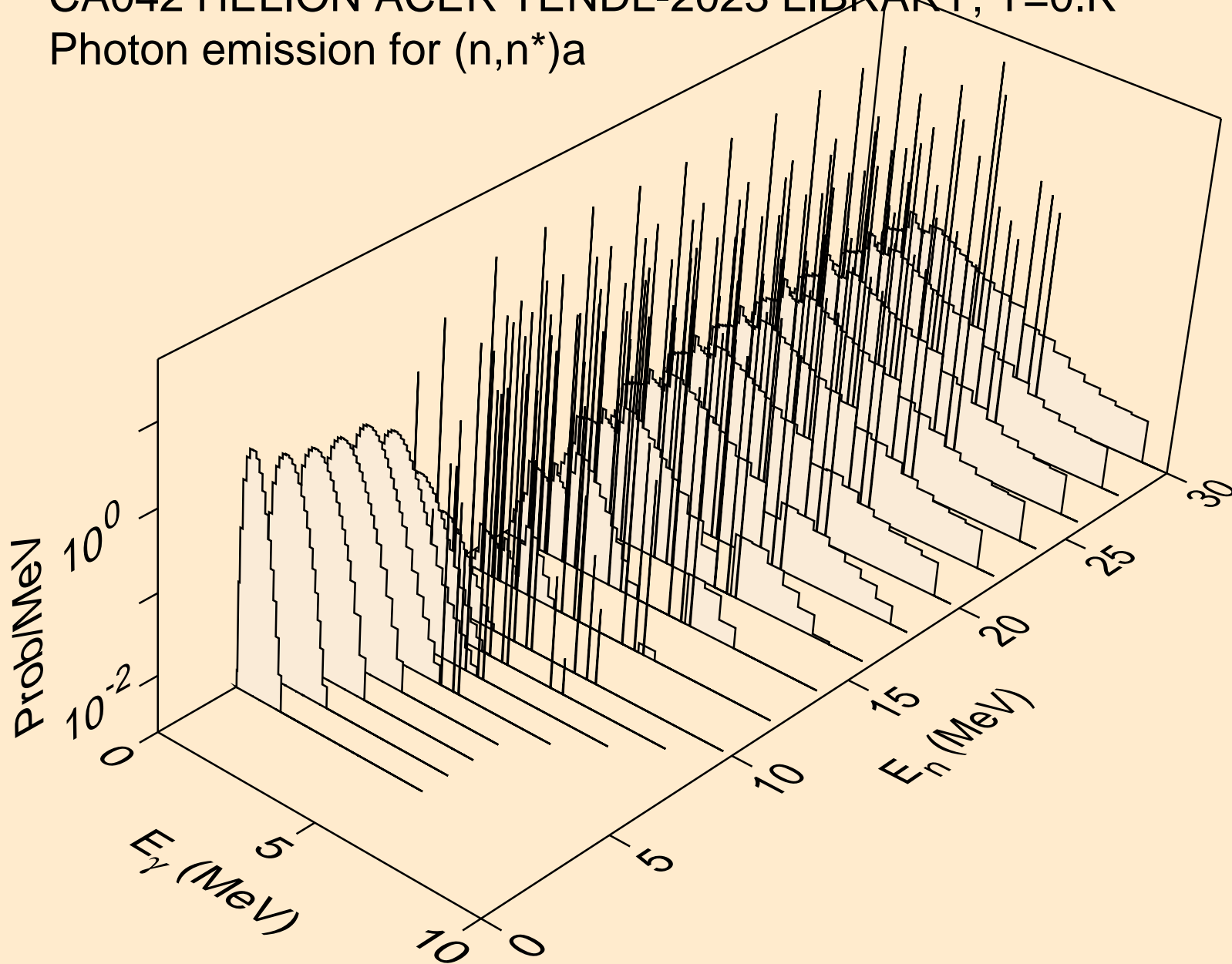
CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



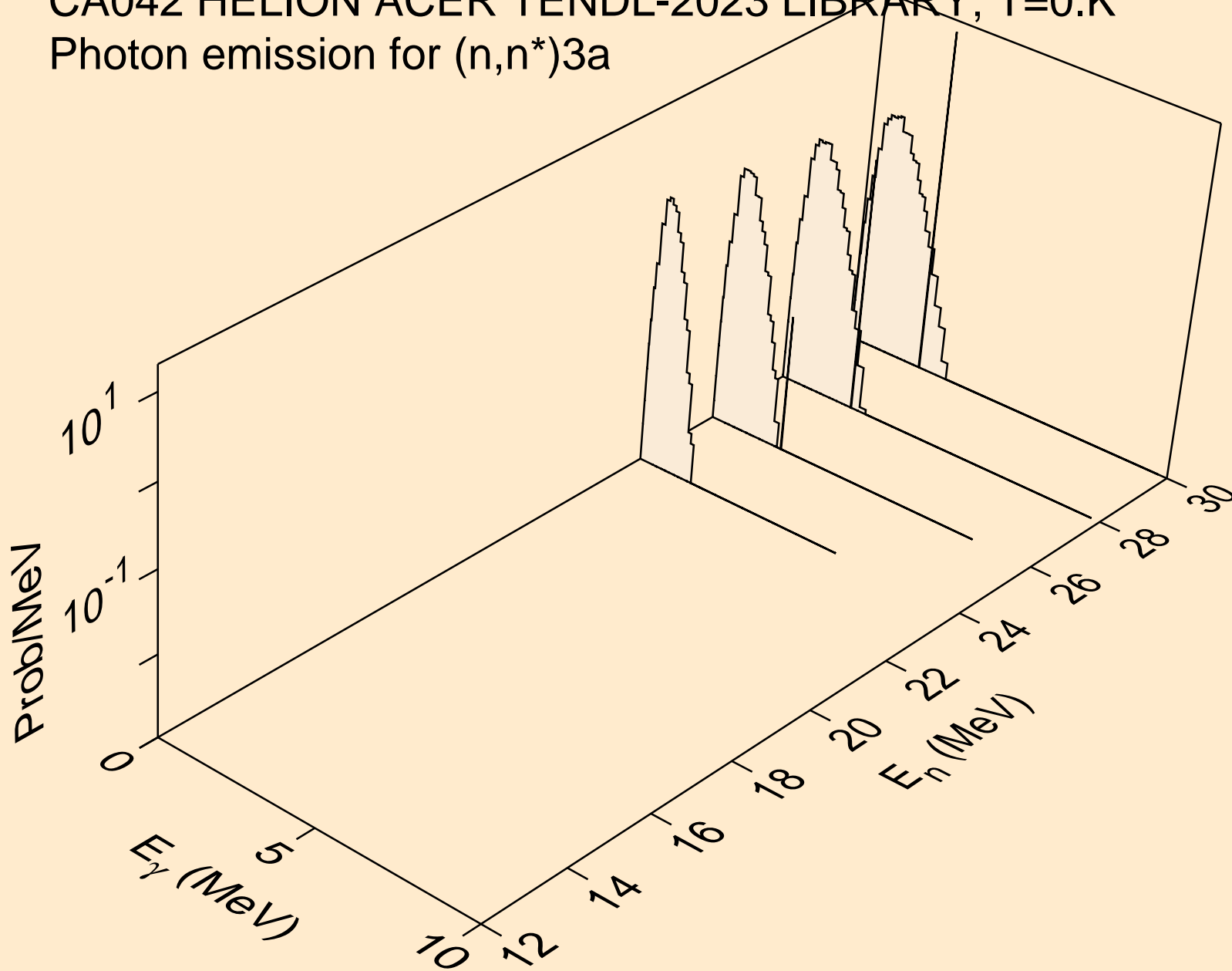
CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

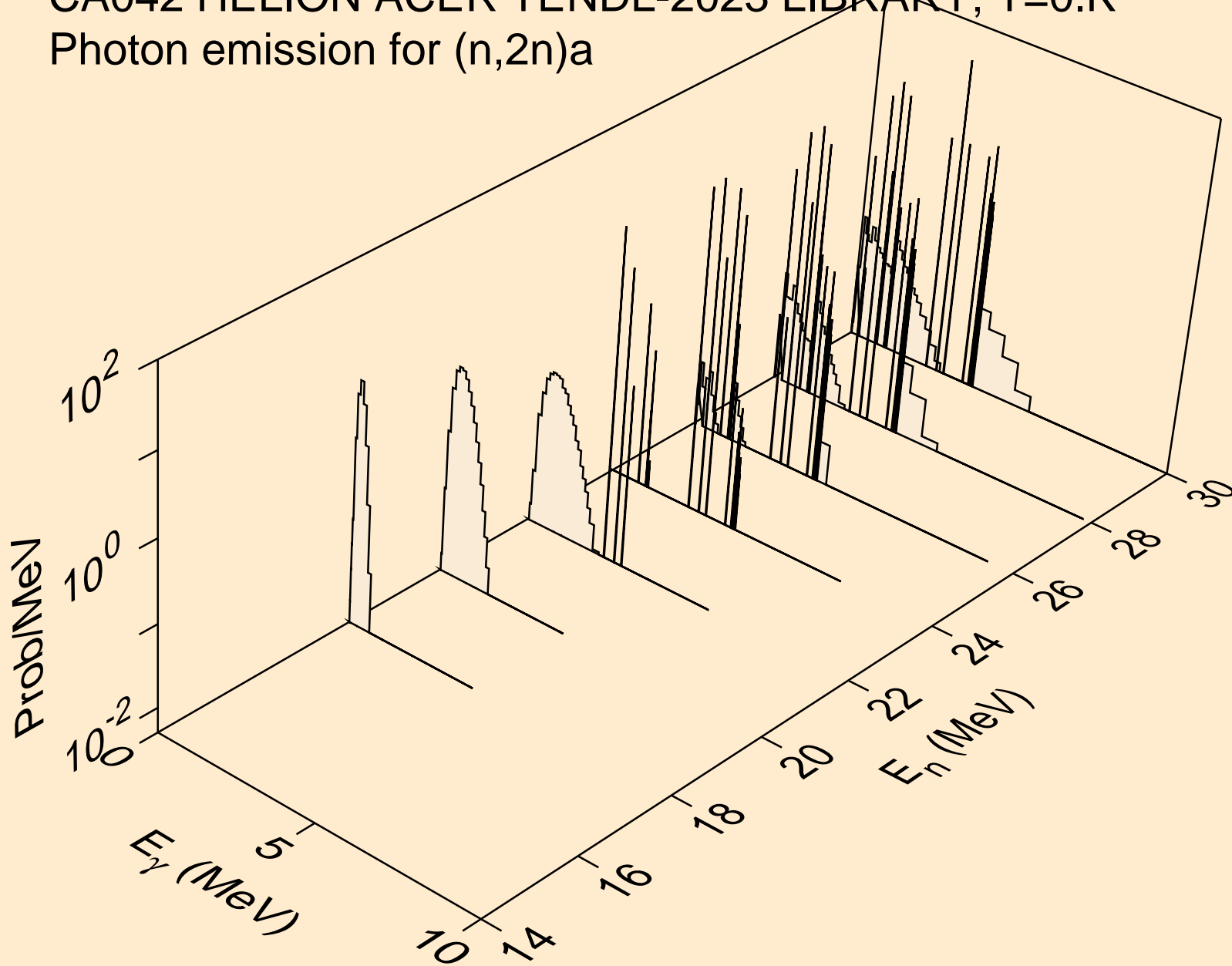


CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)3a

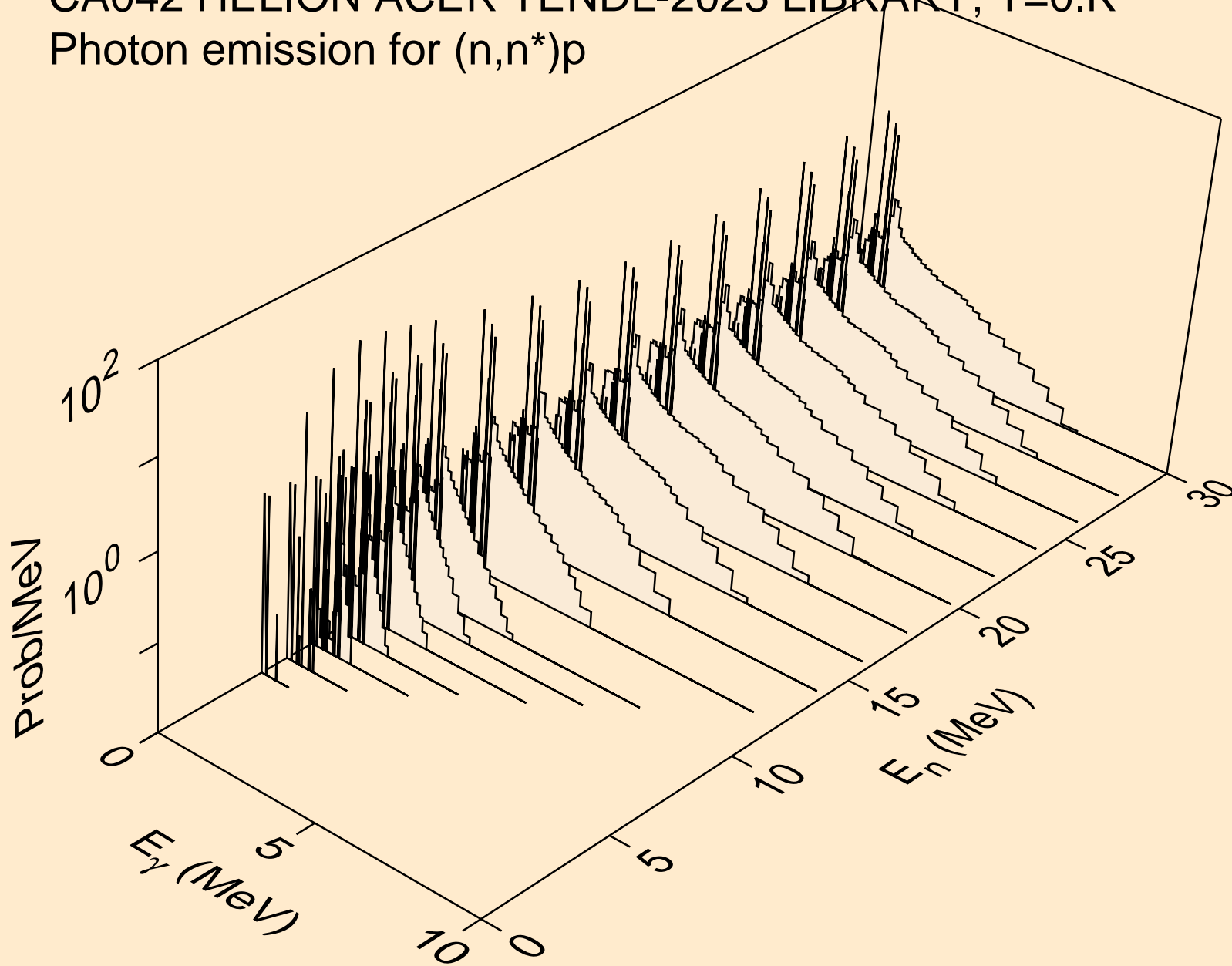




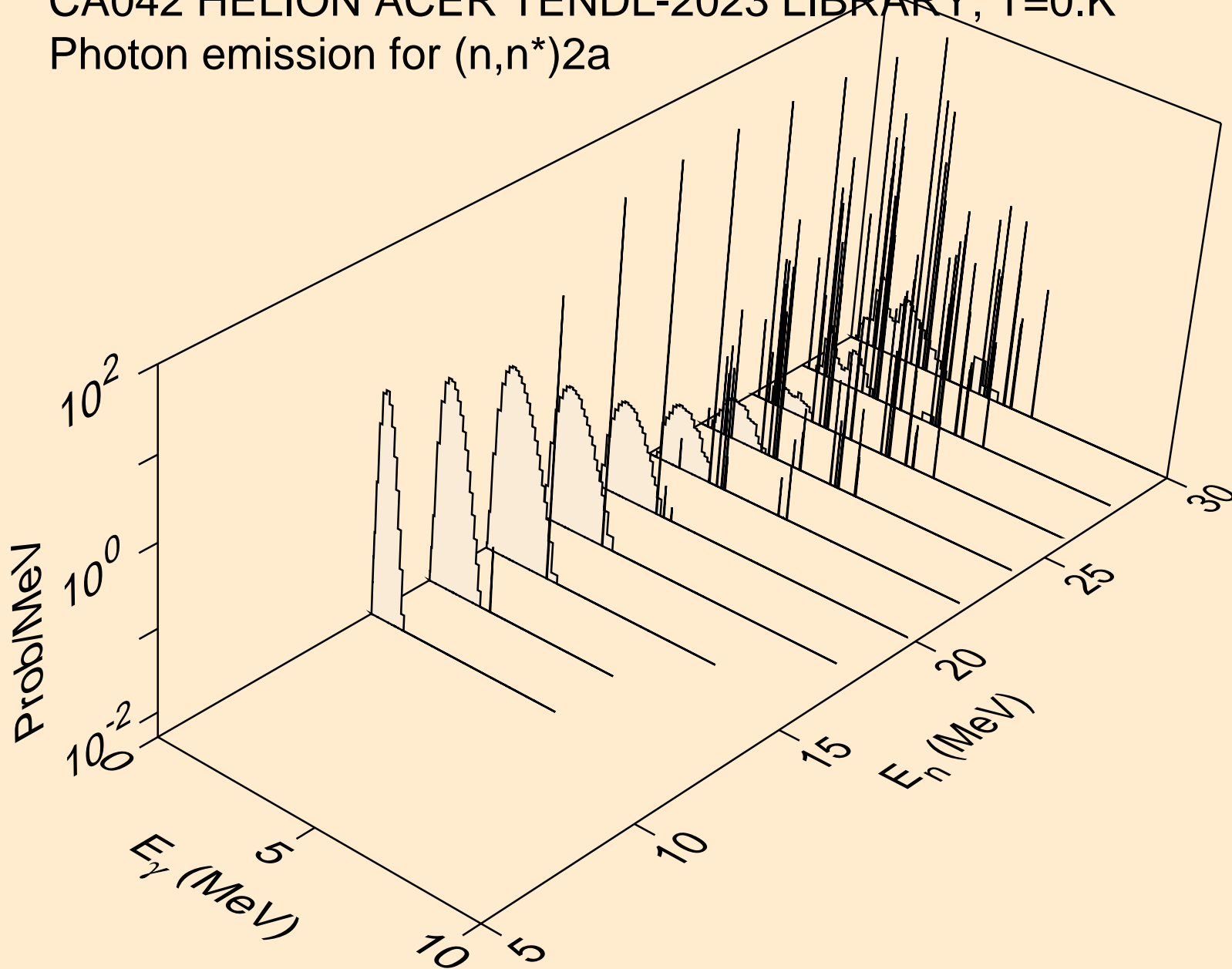
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Photon emission for (n,2n)a



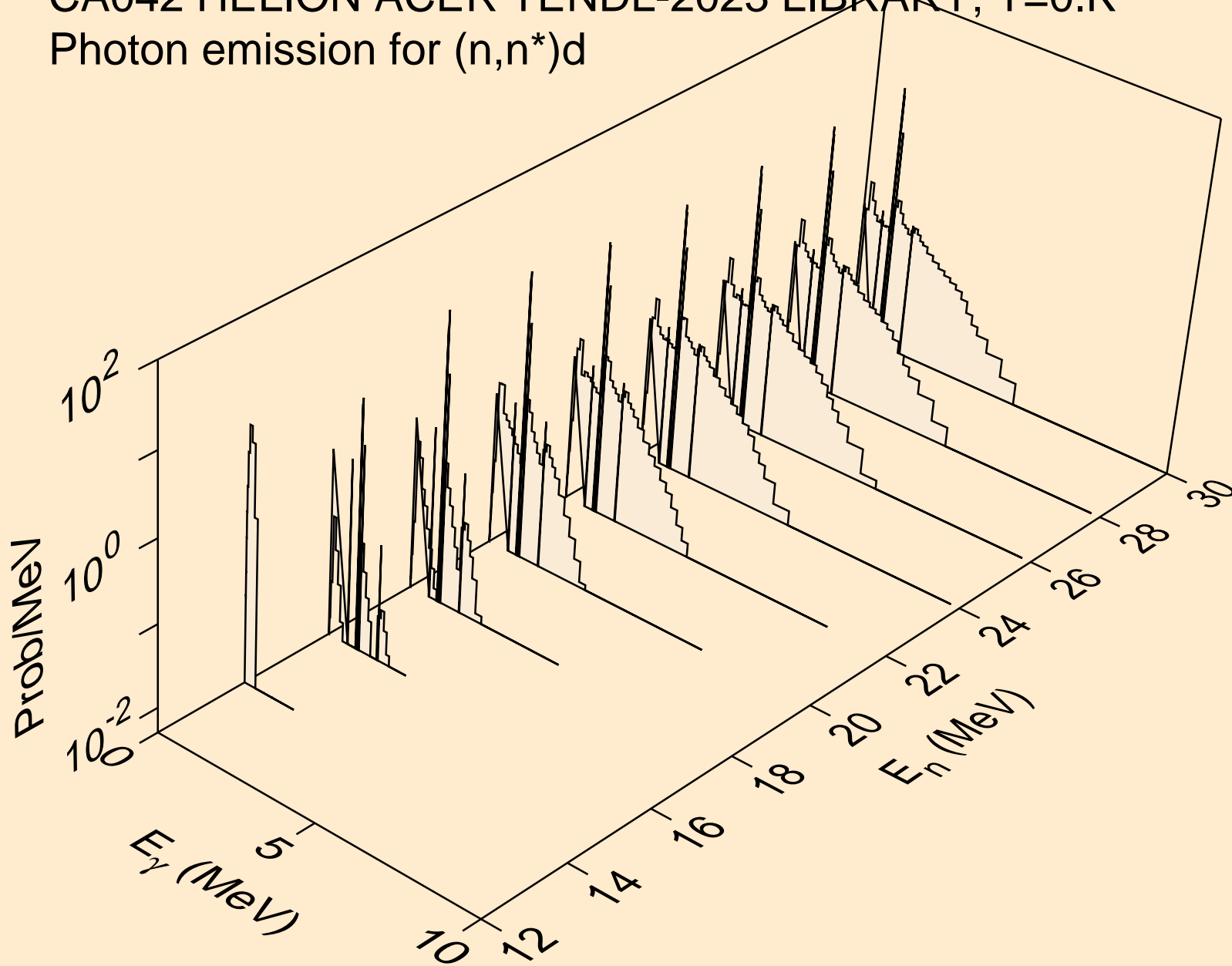
CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



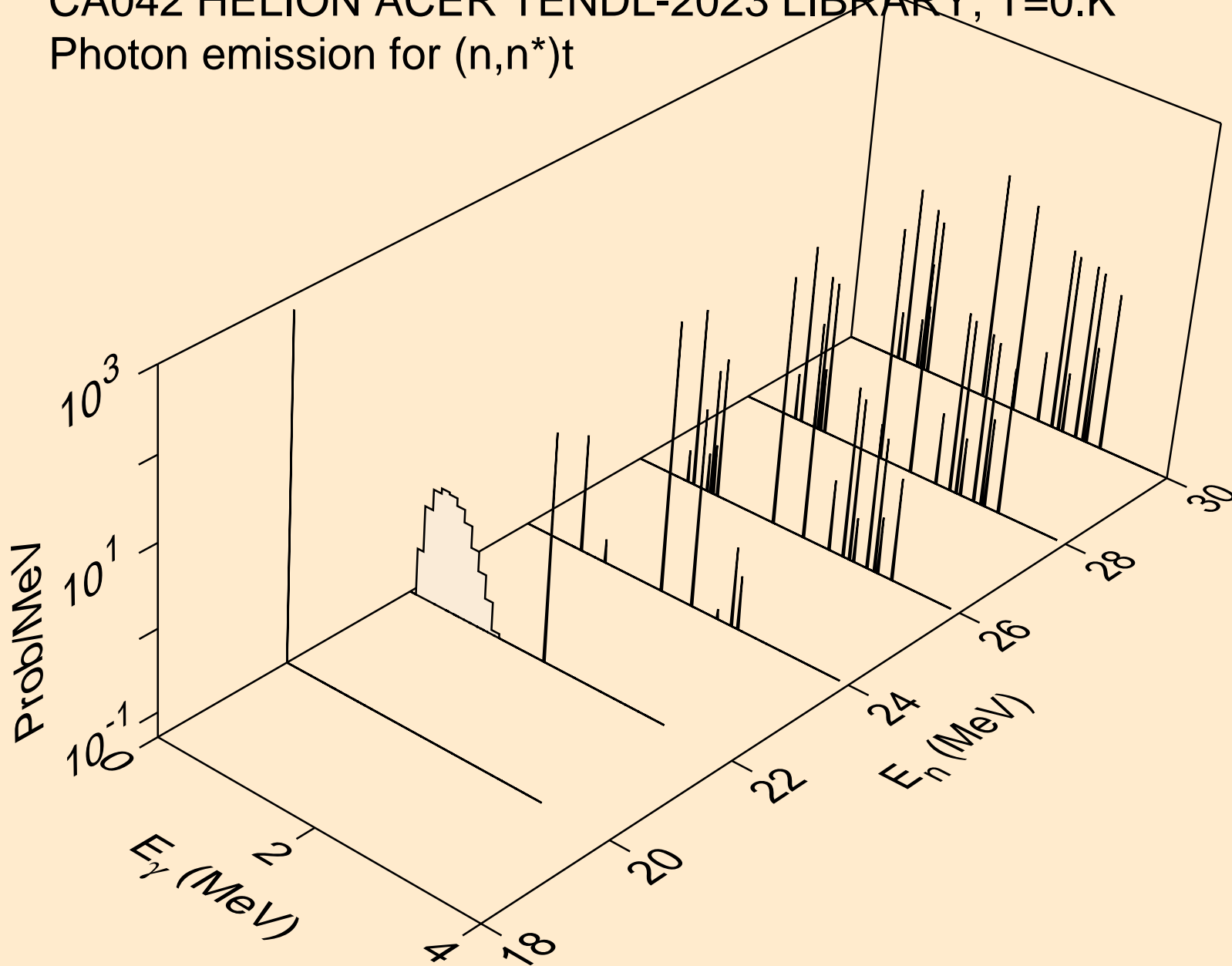
CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



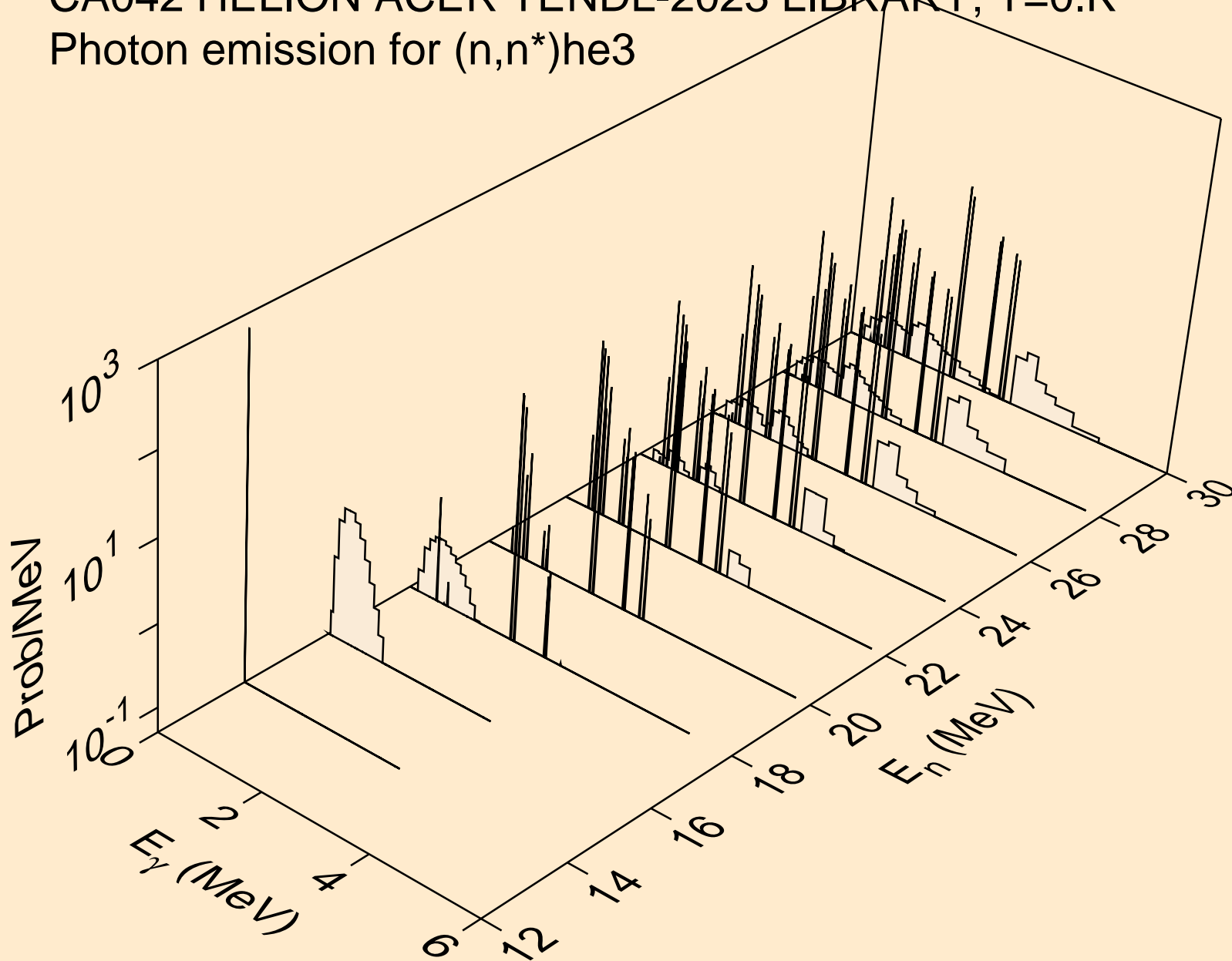
CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



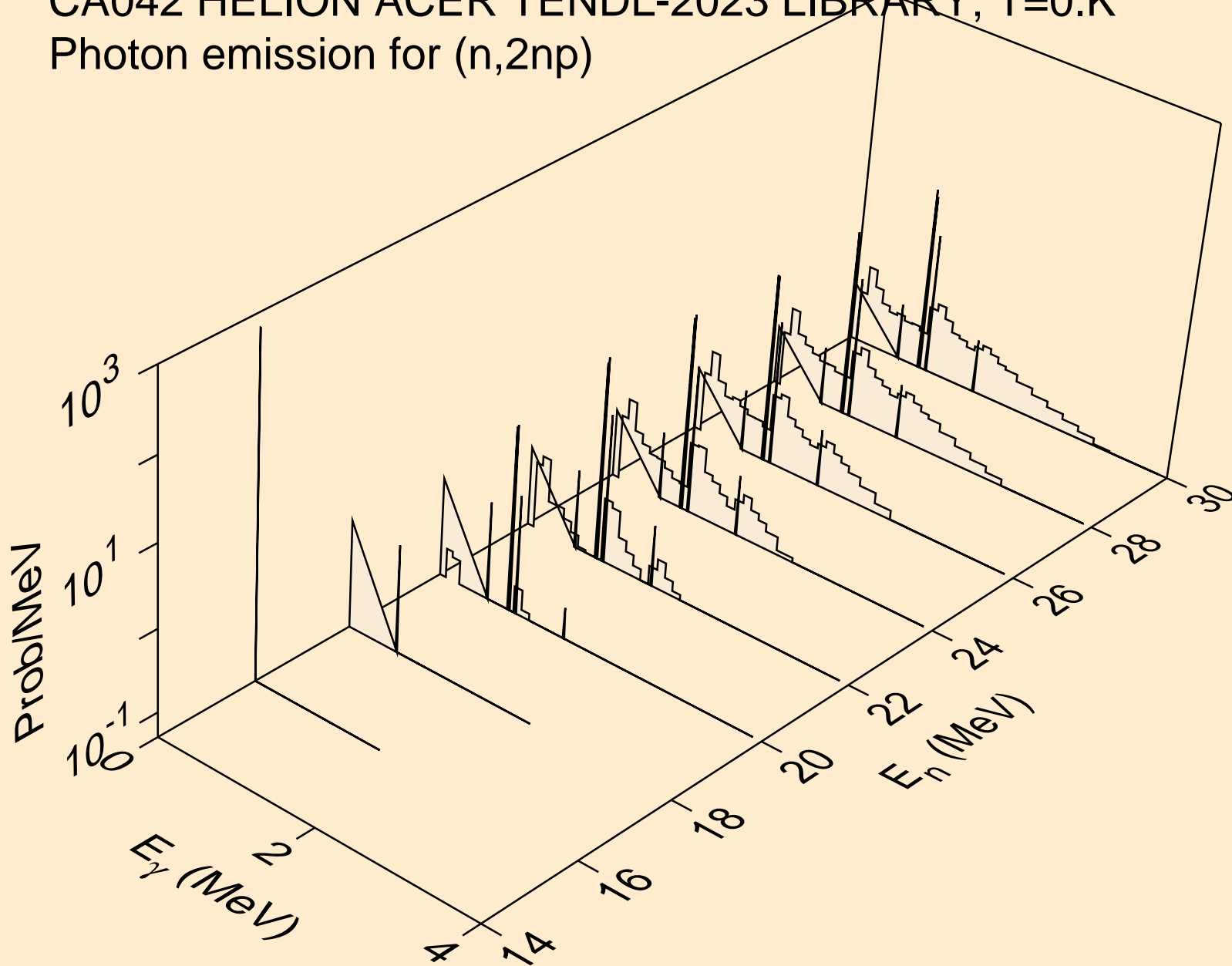
CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



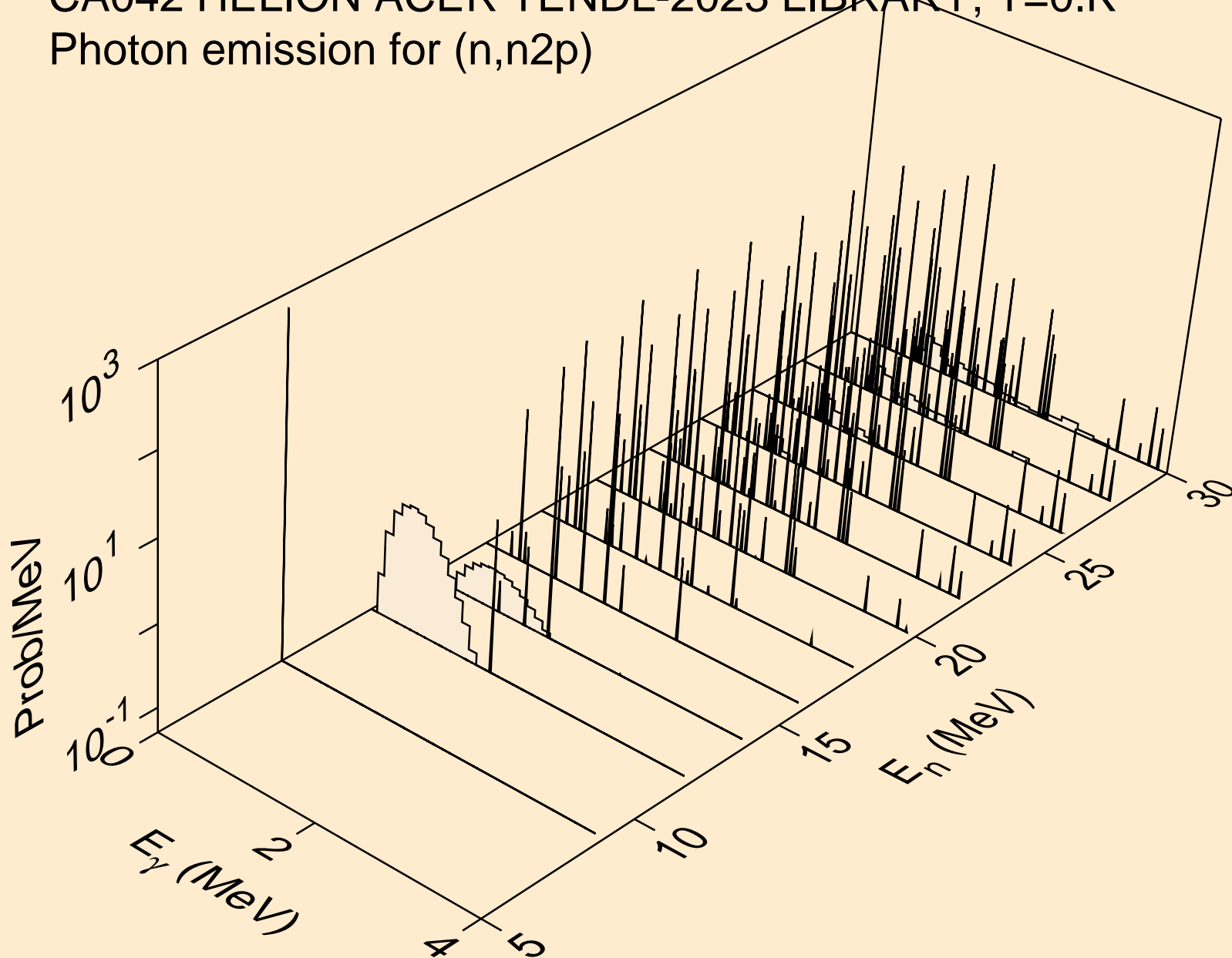
CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

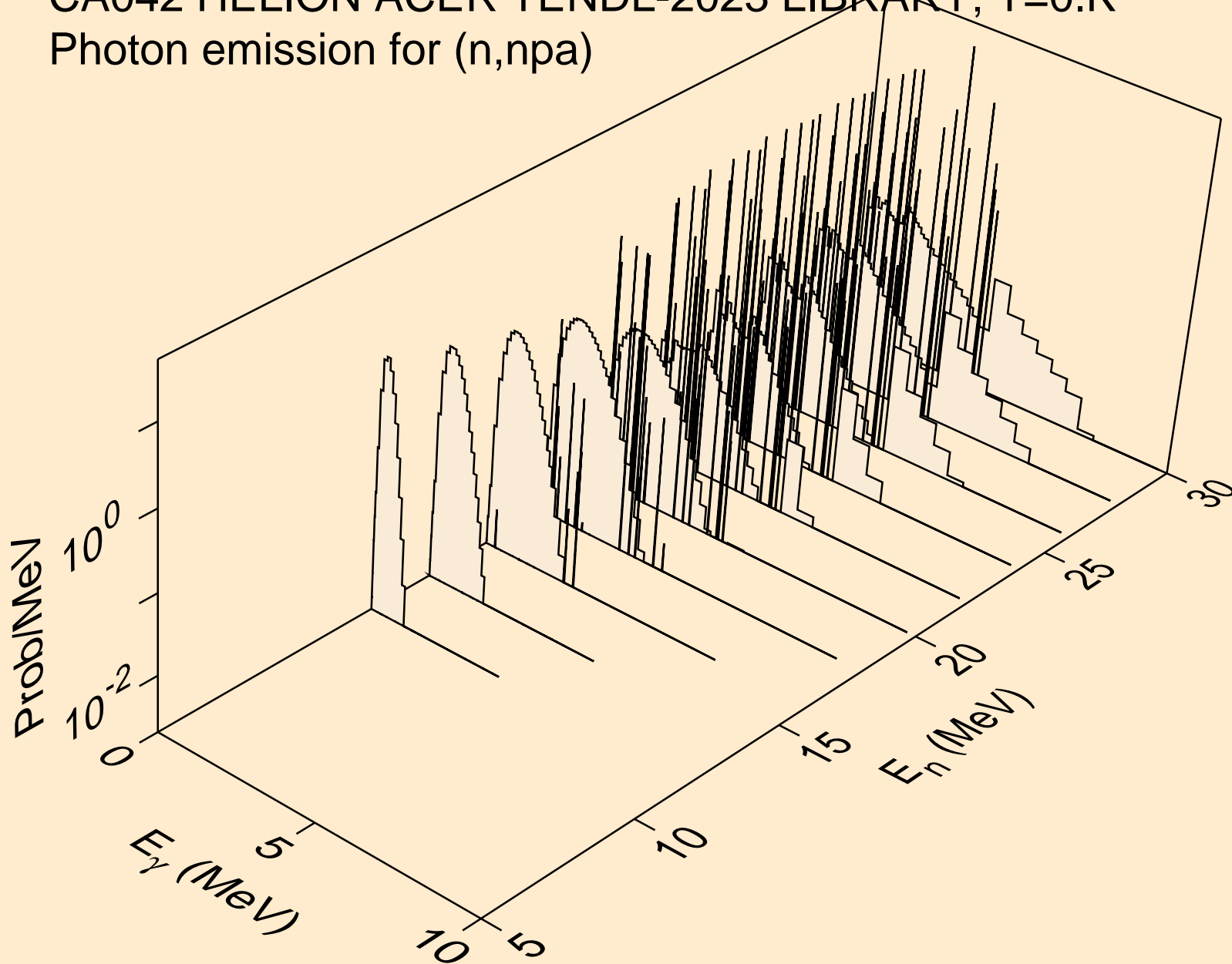


CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)

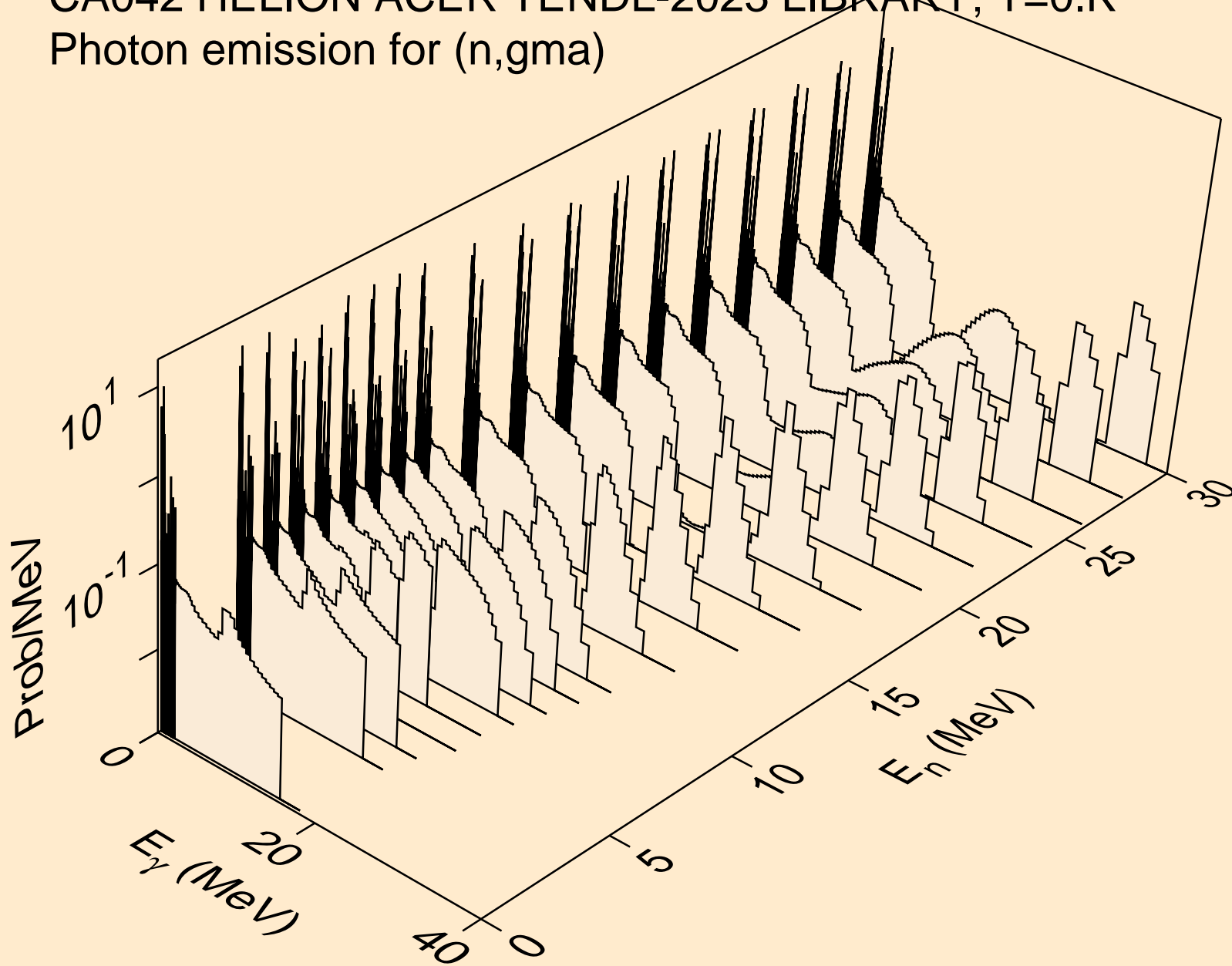




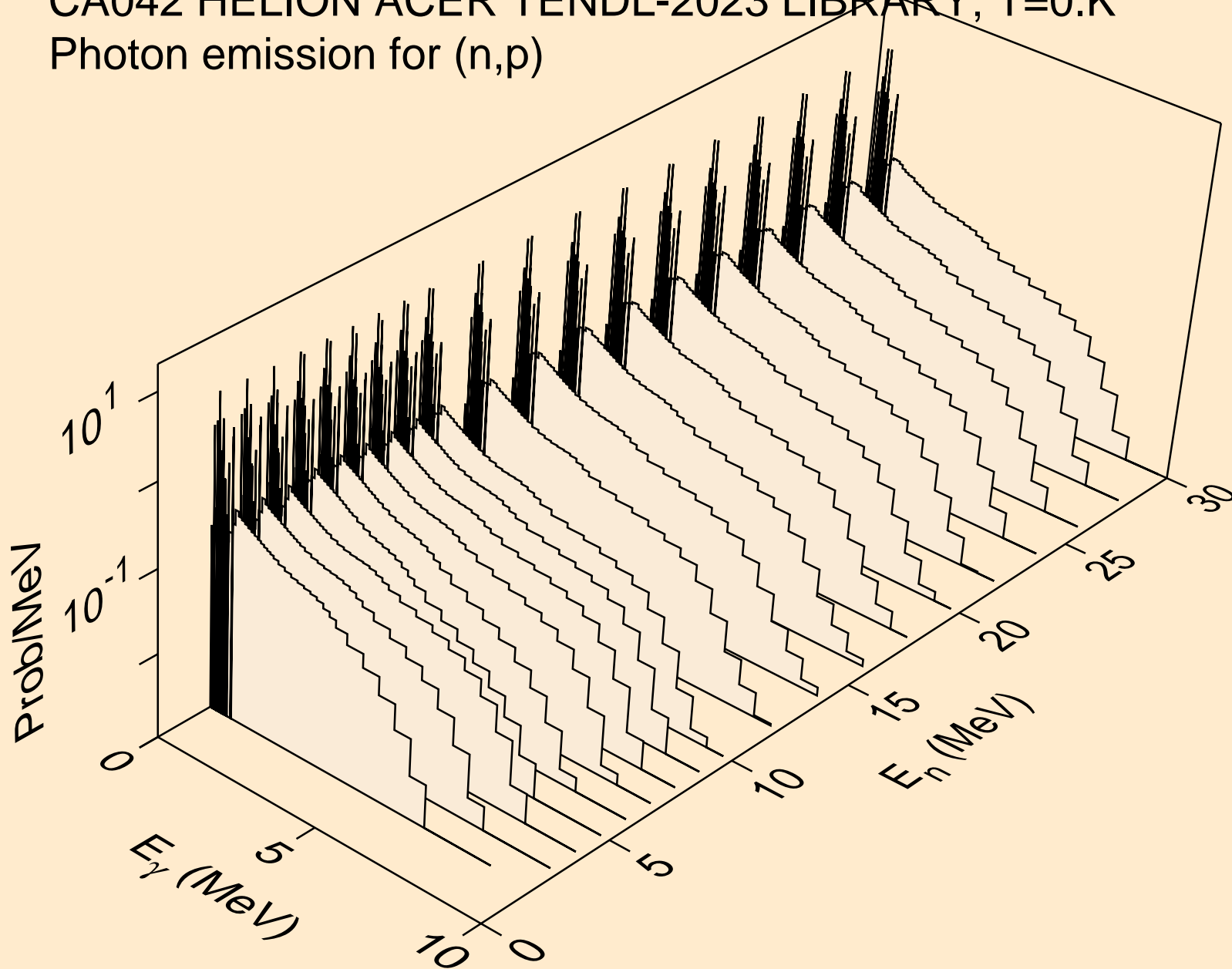
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Photon emission for (n,npa)



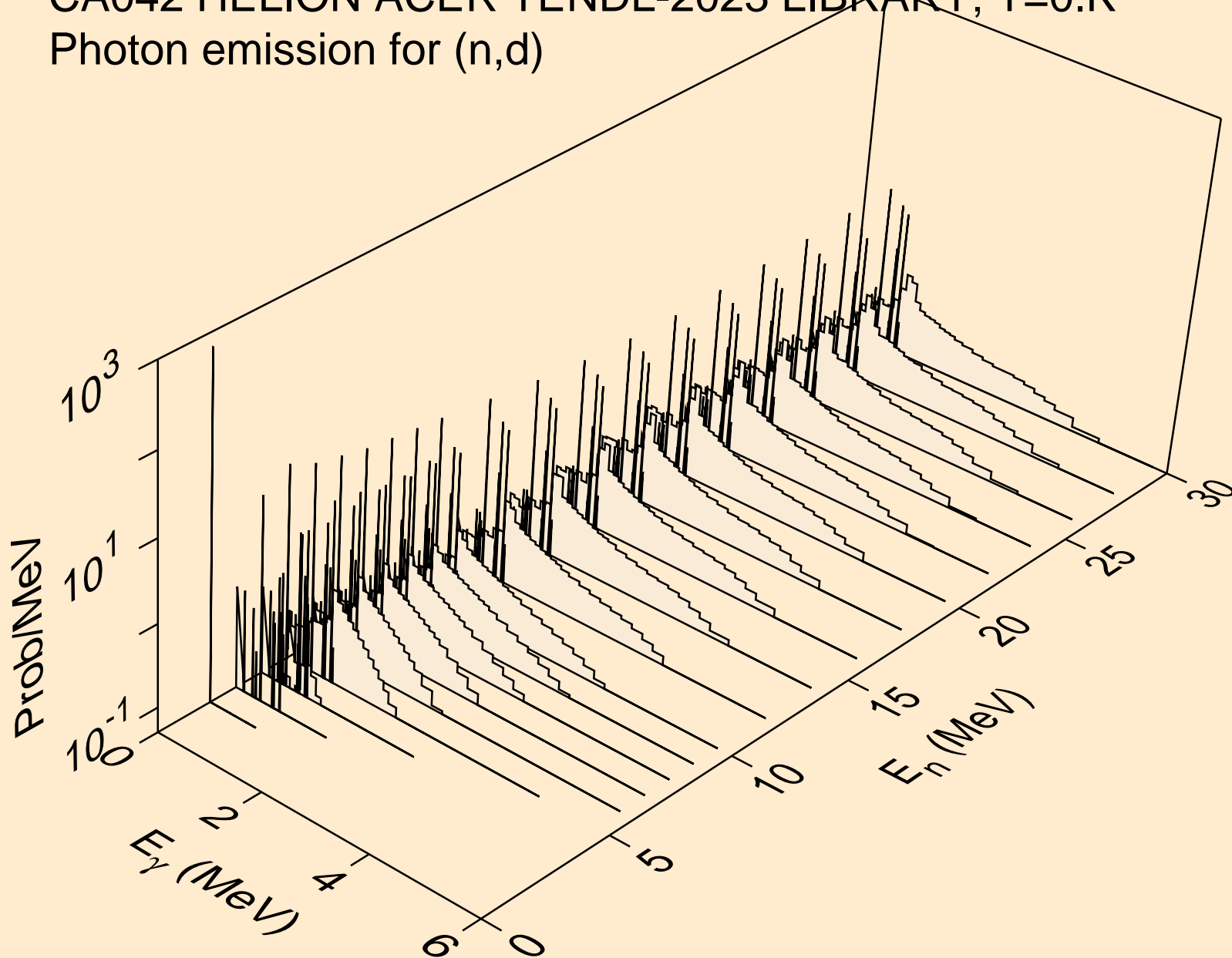
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Photon emission for (n,gma)



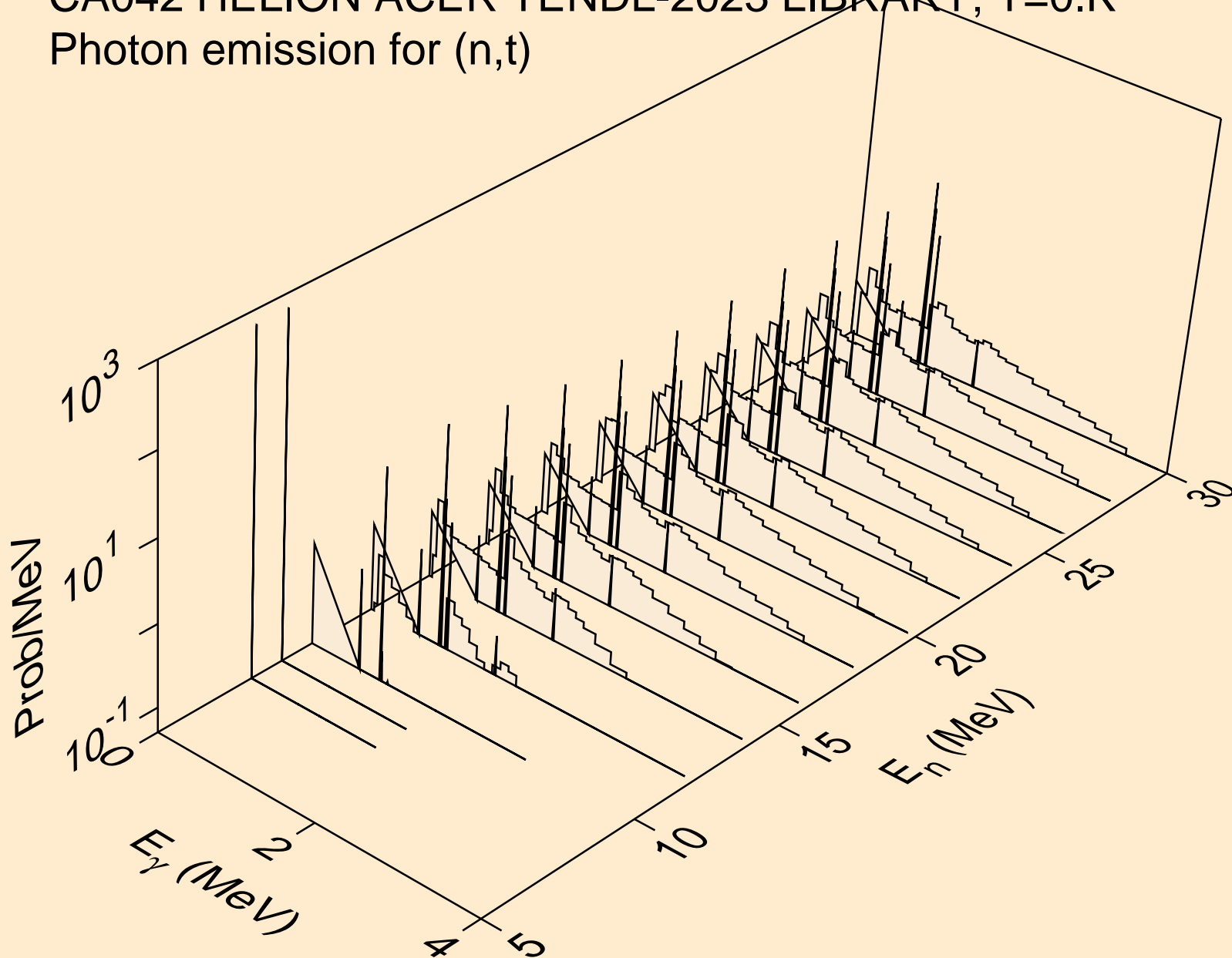
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Photon emission for (n,p)



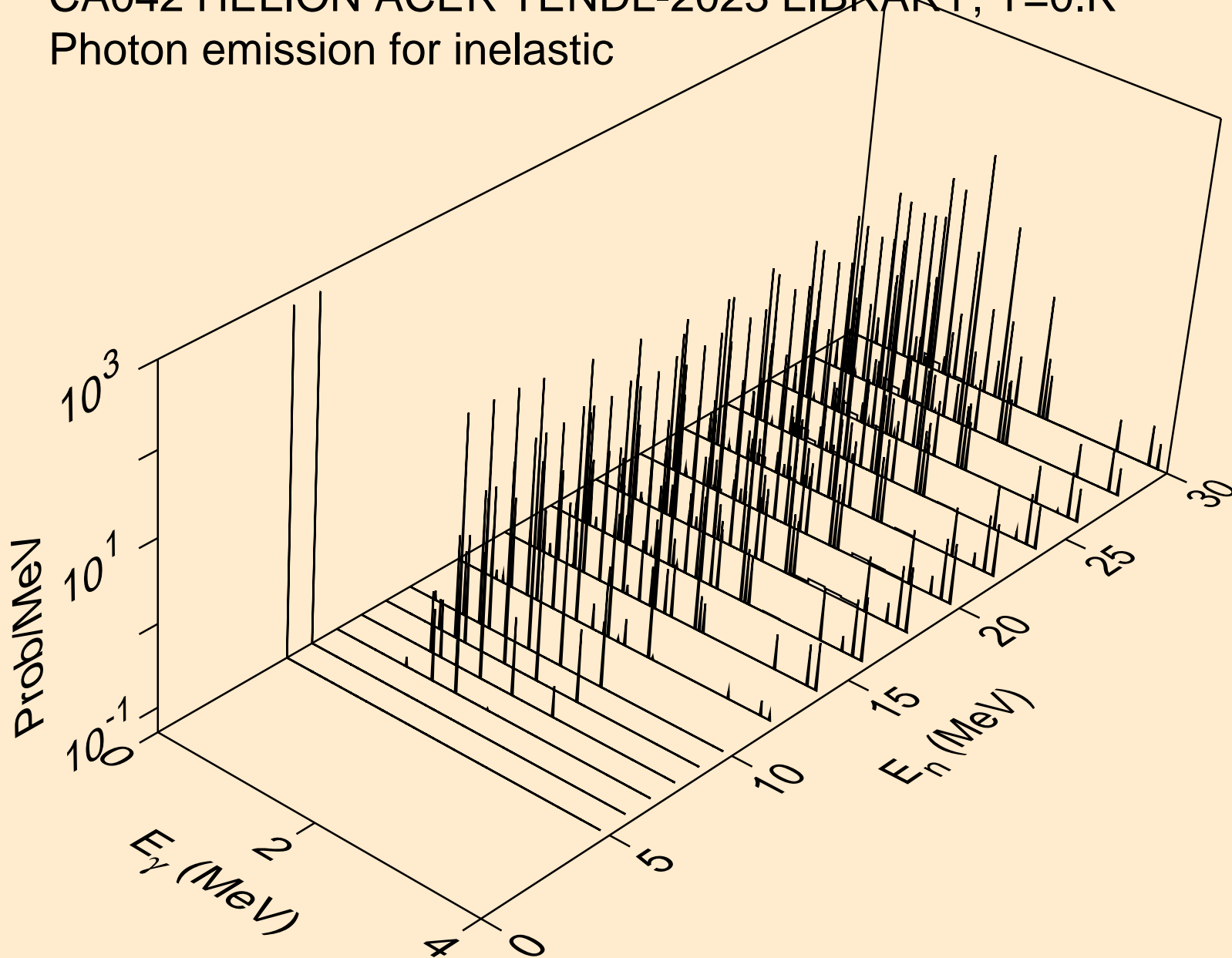
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Photon emission for (n,d)



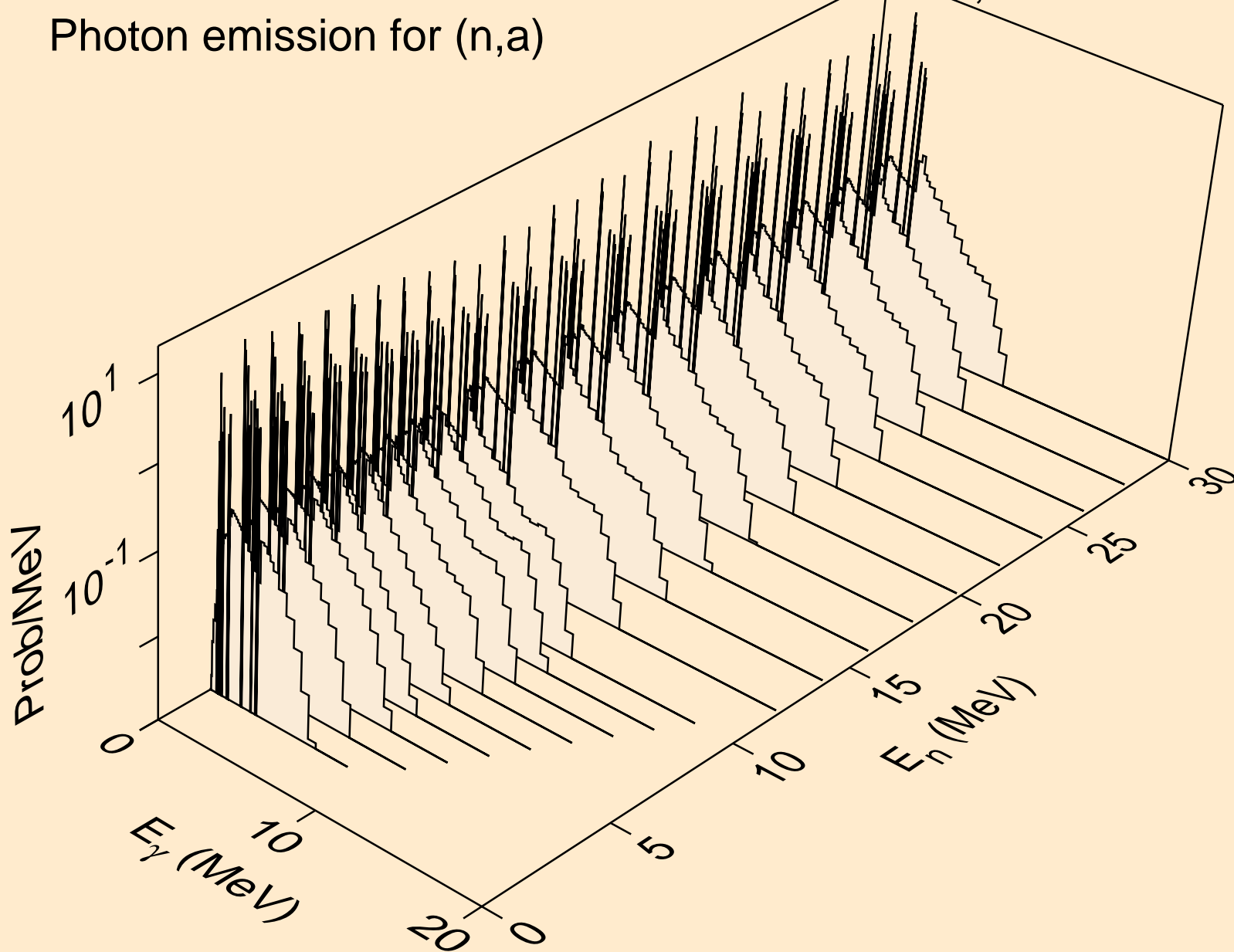
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Photon emission for (n,t)



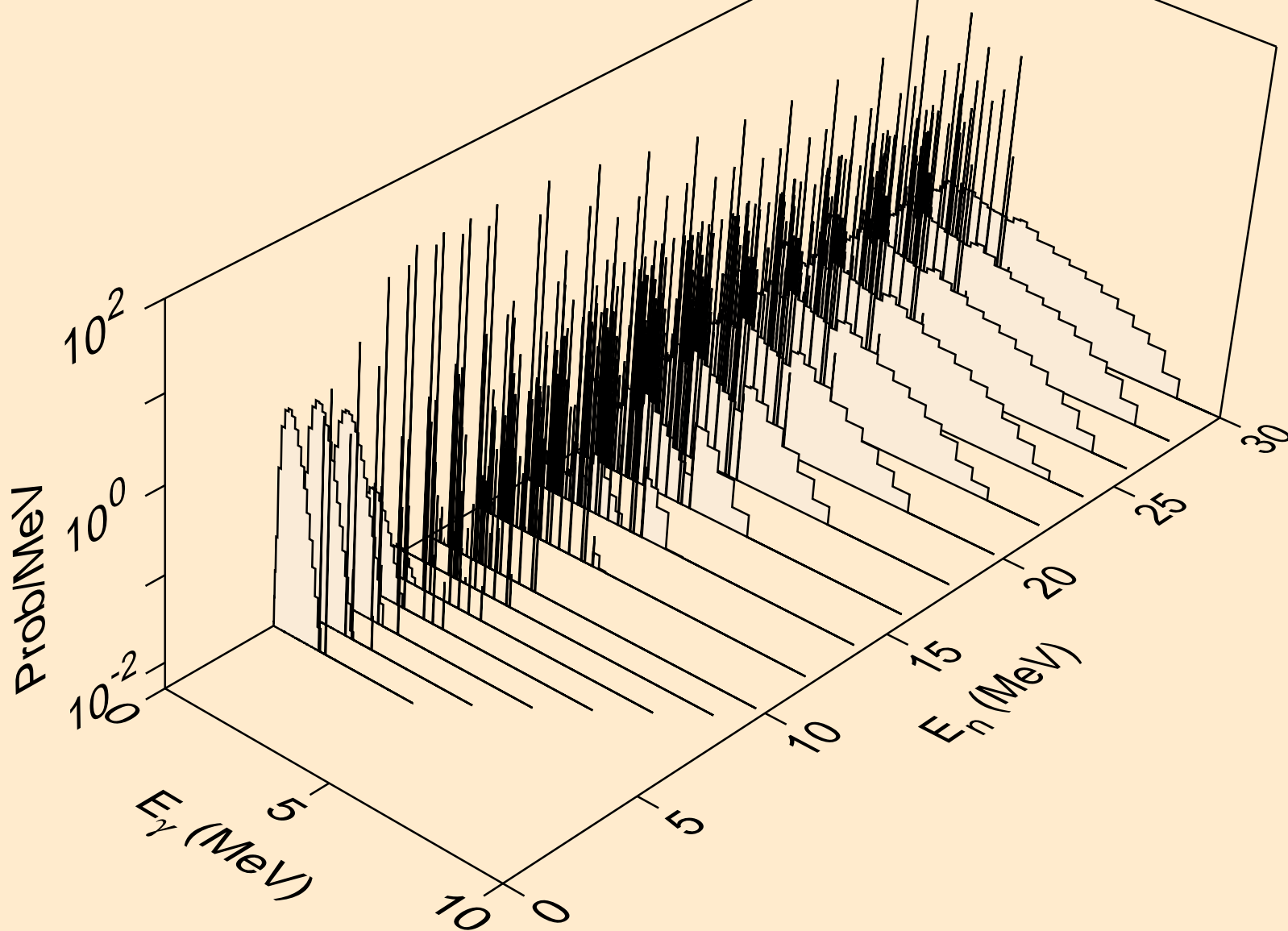
CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

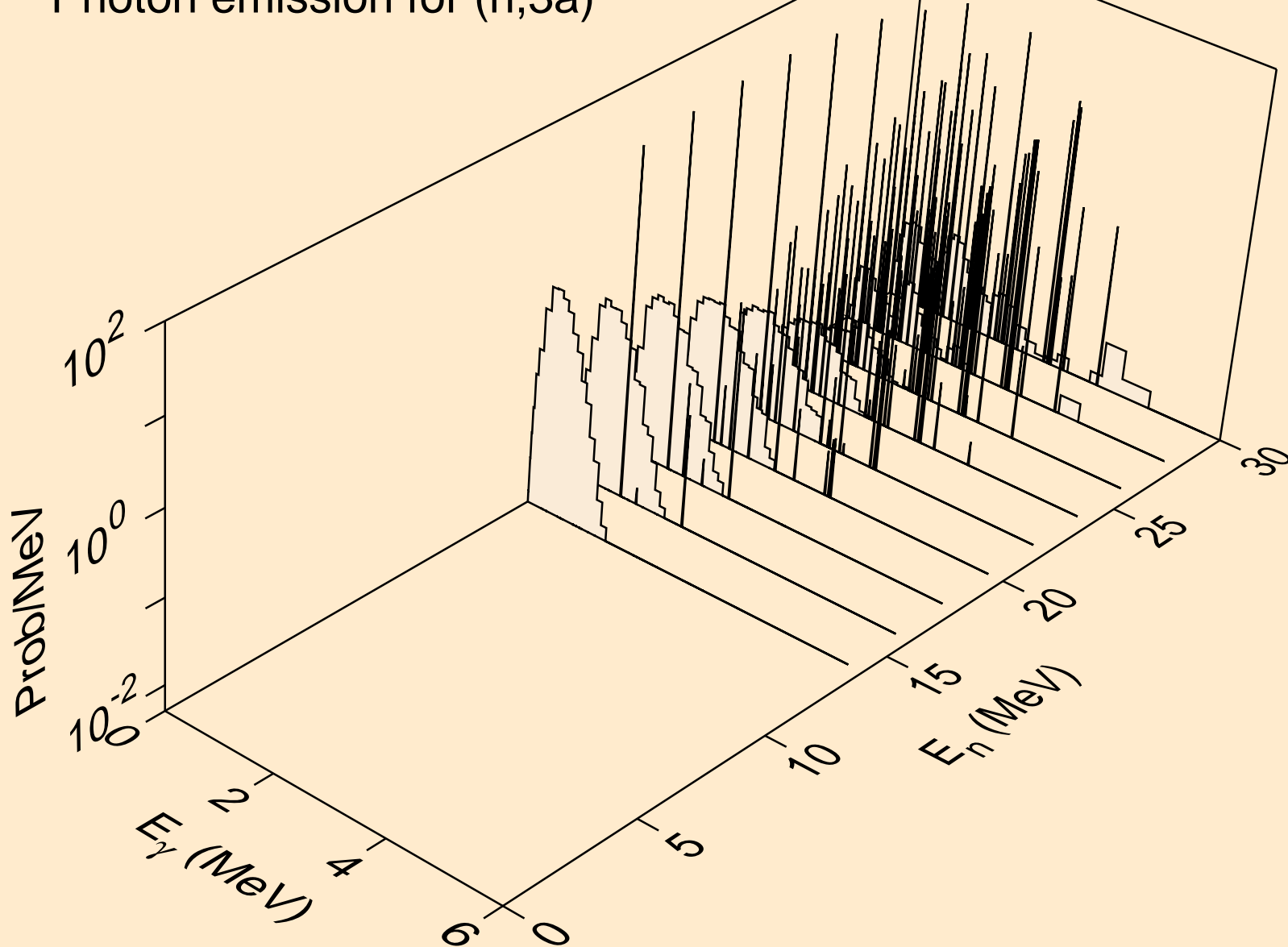


CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)

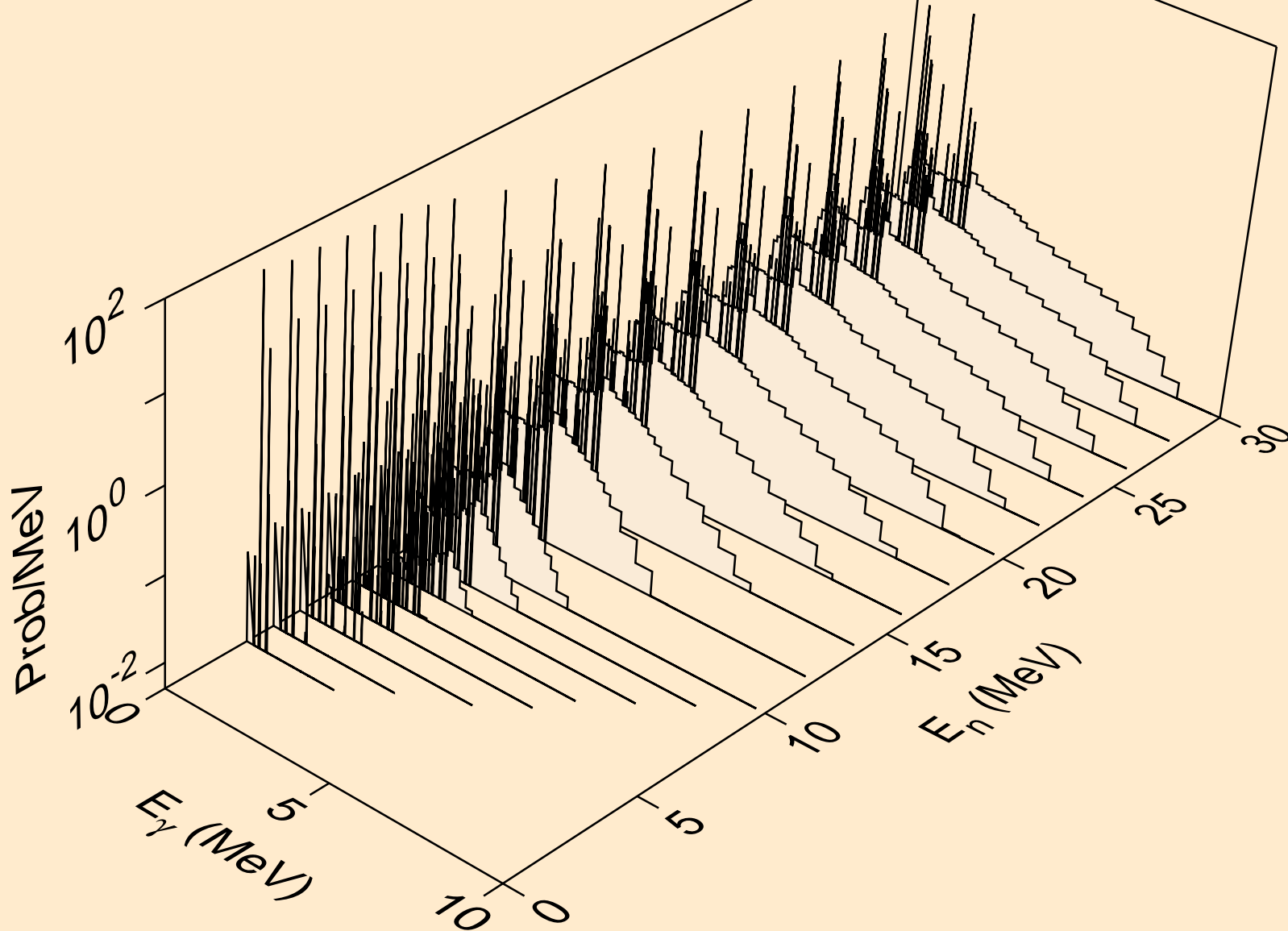




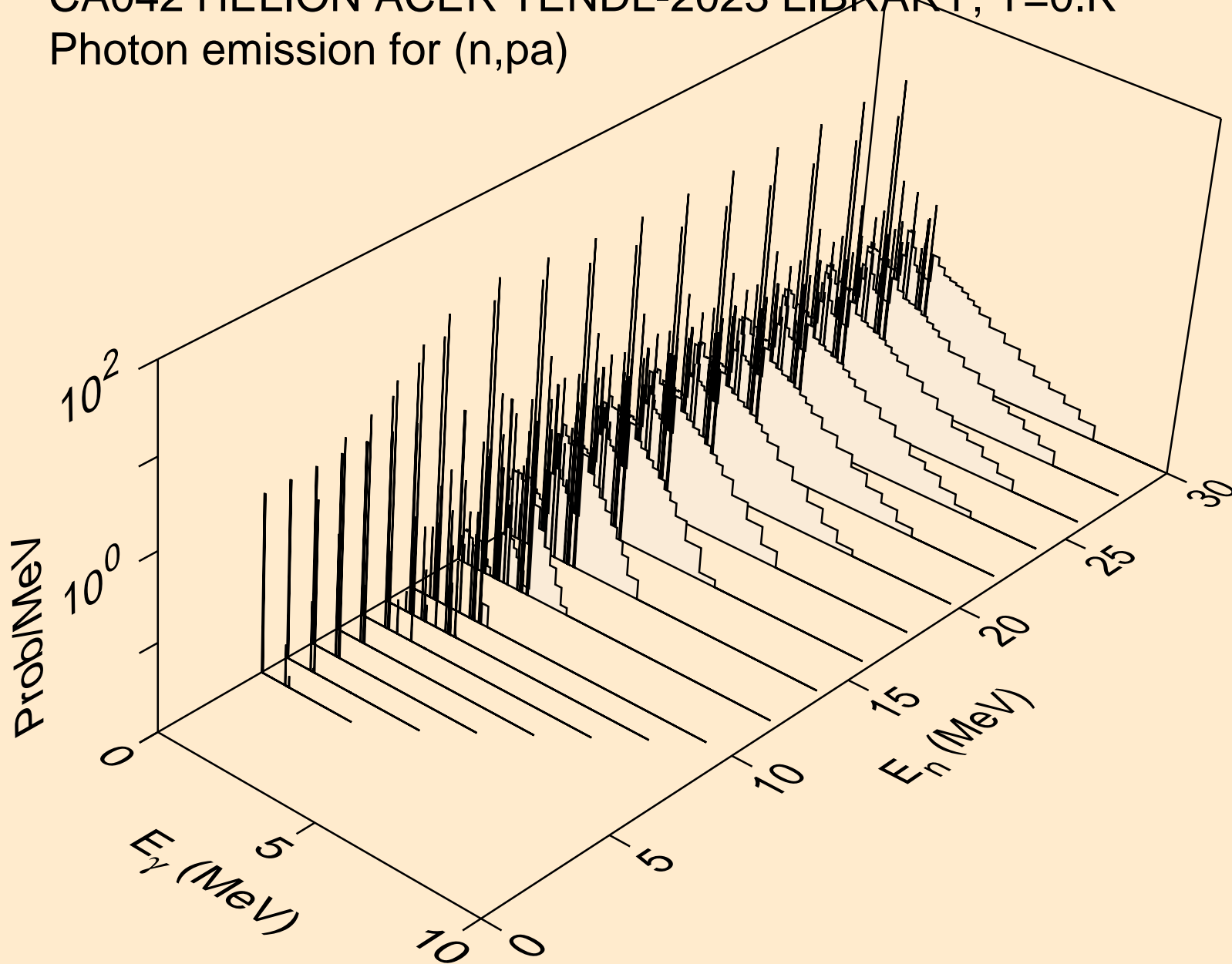
CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)



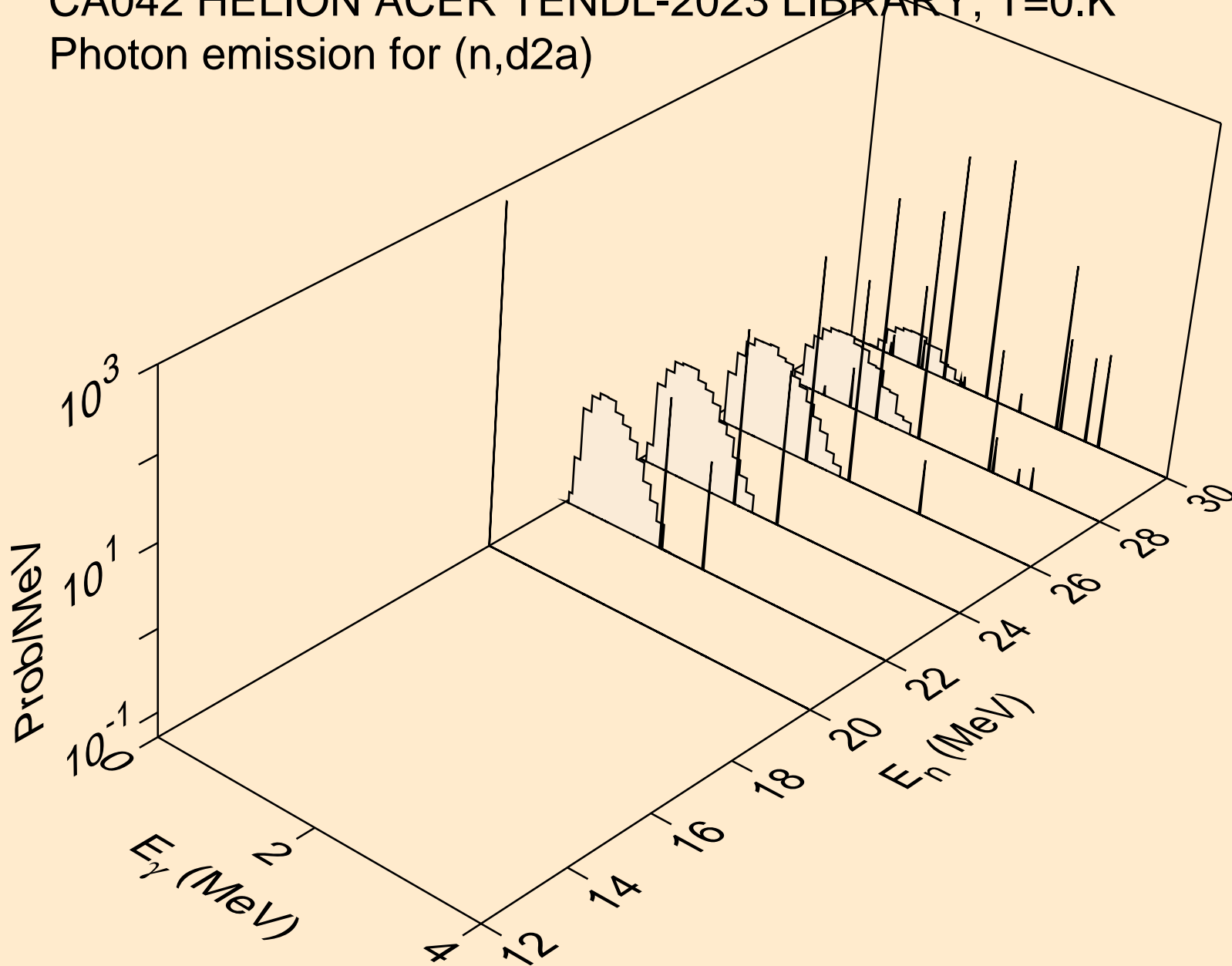
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Photon emission for (n,2p)



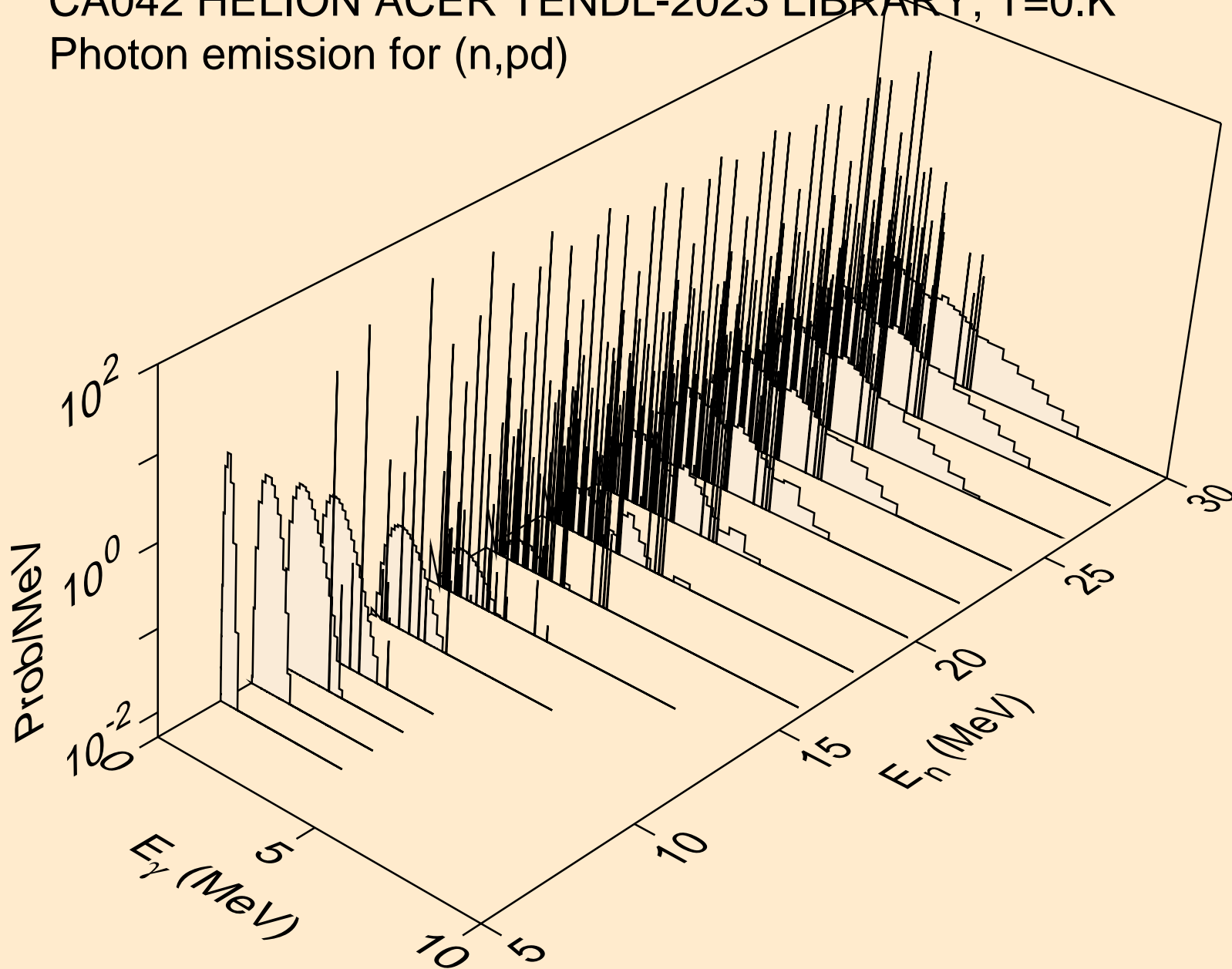
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Photon emission for (n,p $\alpha$ )



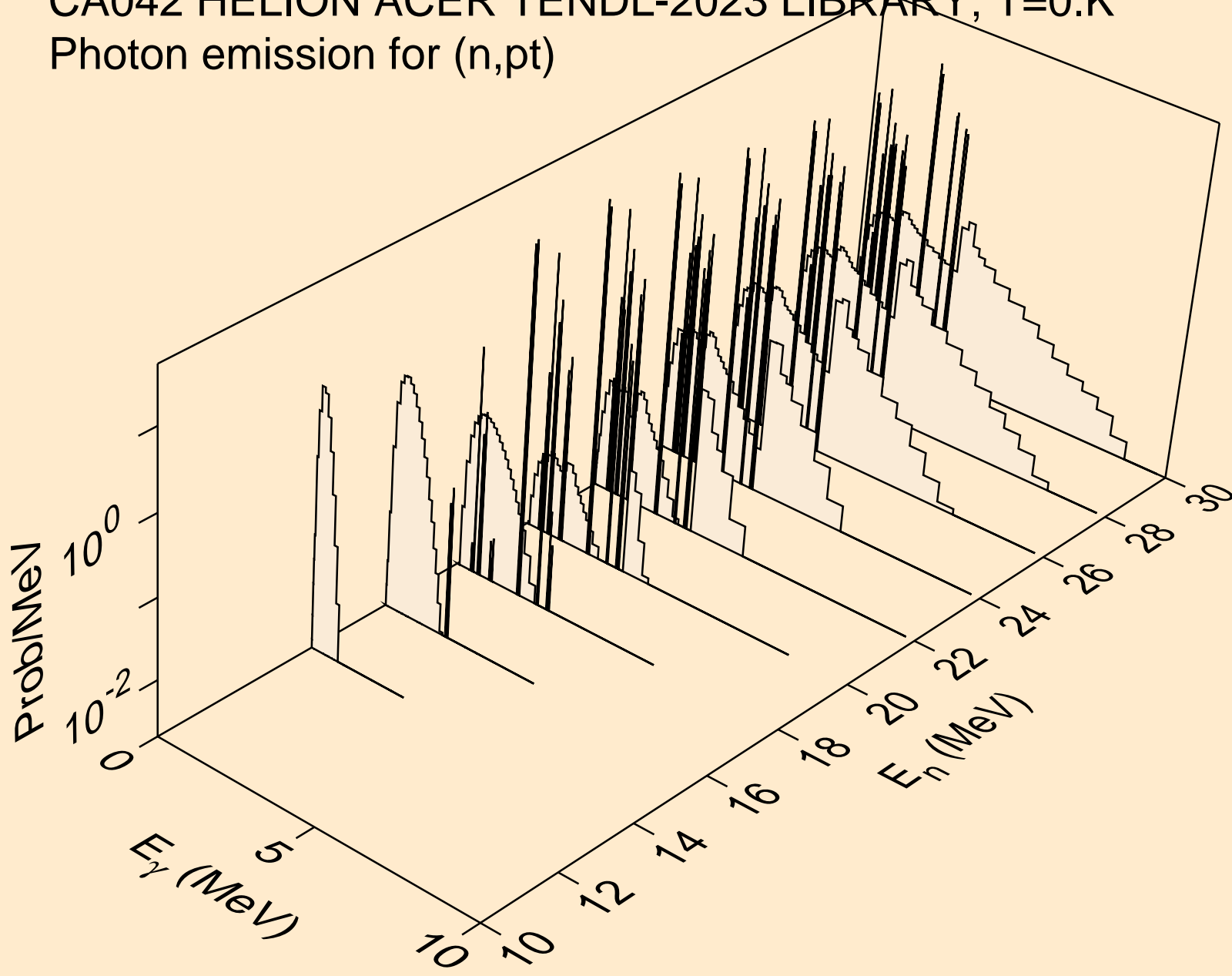
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Photon emission for (n,d2a)



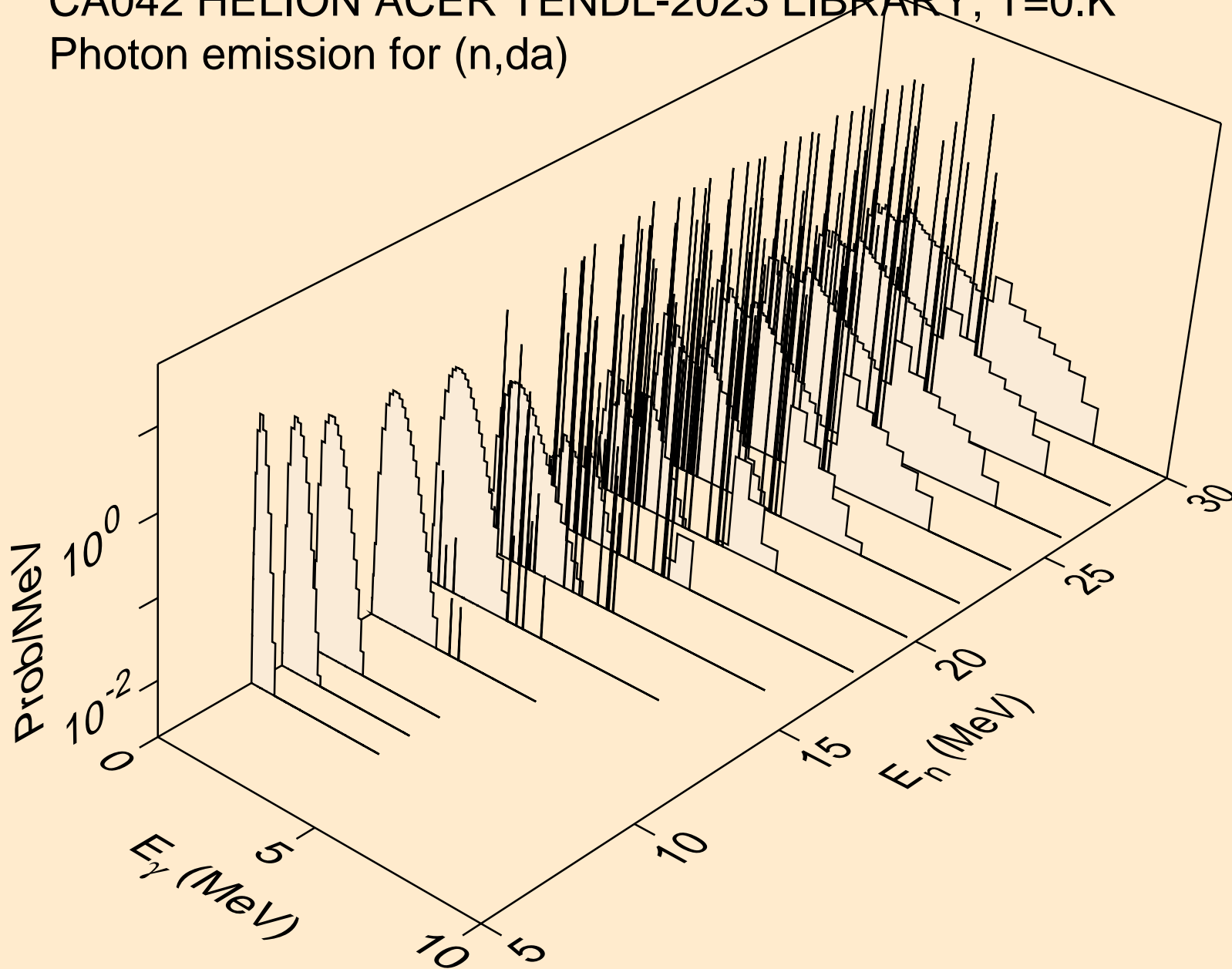
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Photon emission for (n,pd)



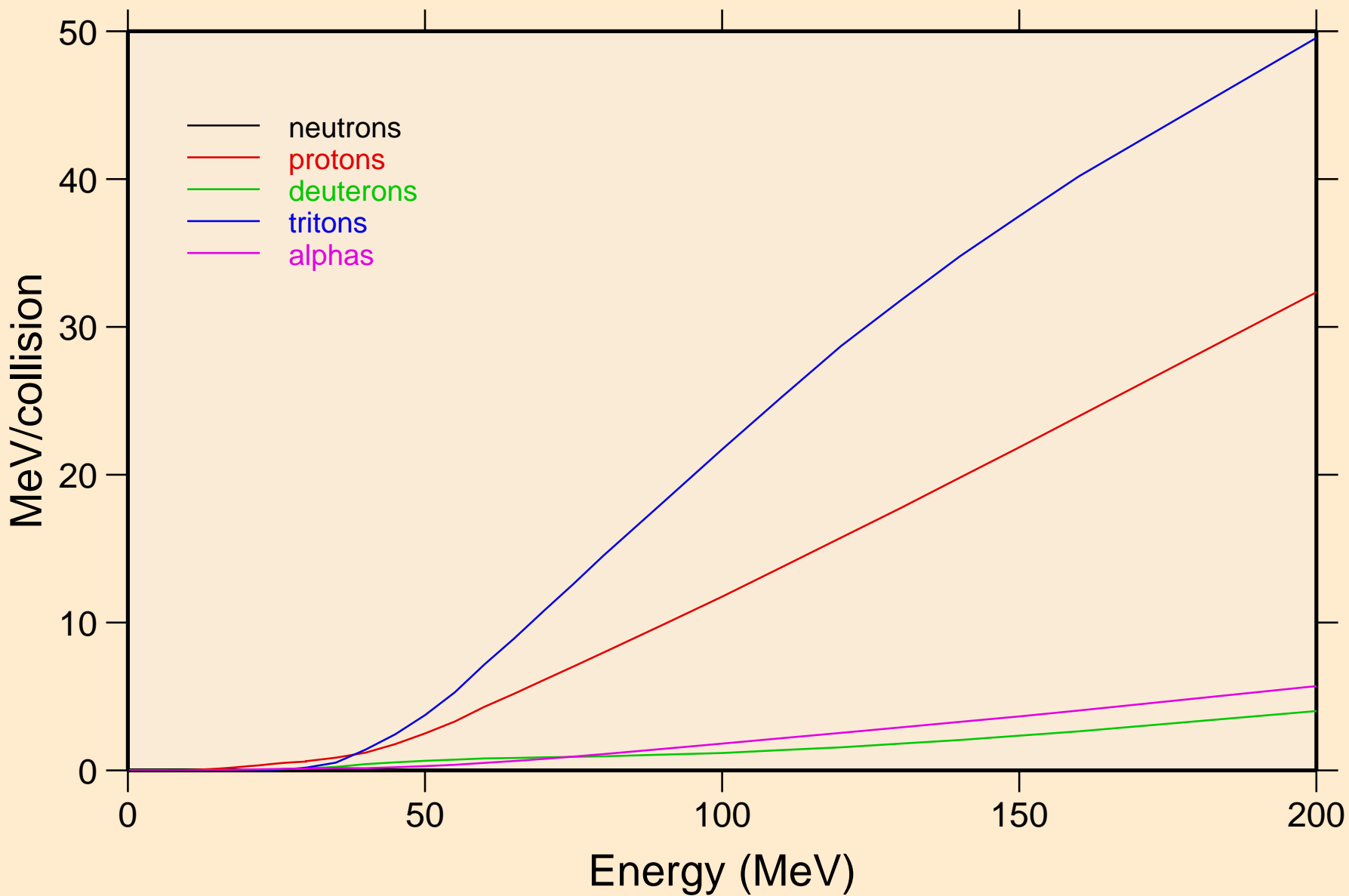
CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

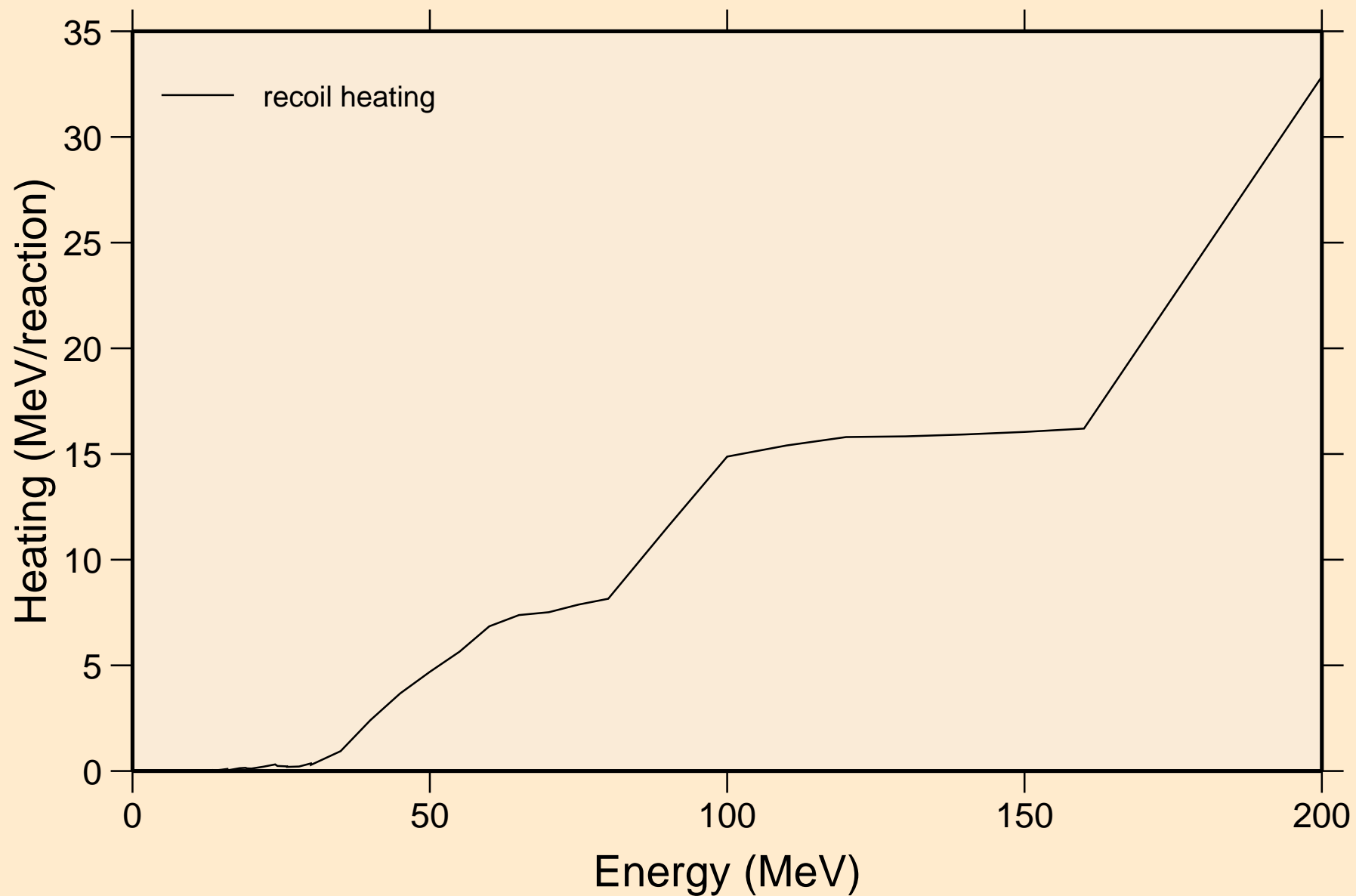


CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions



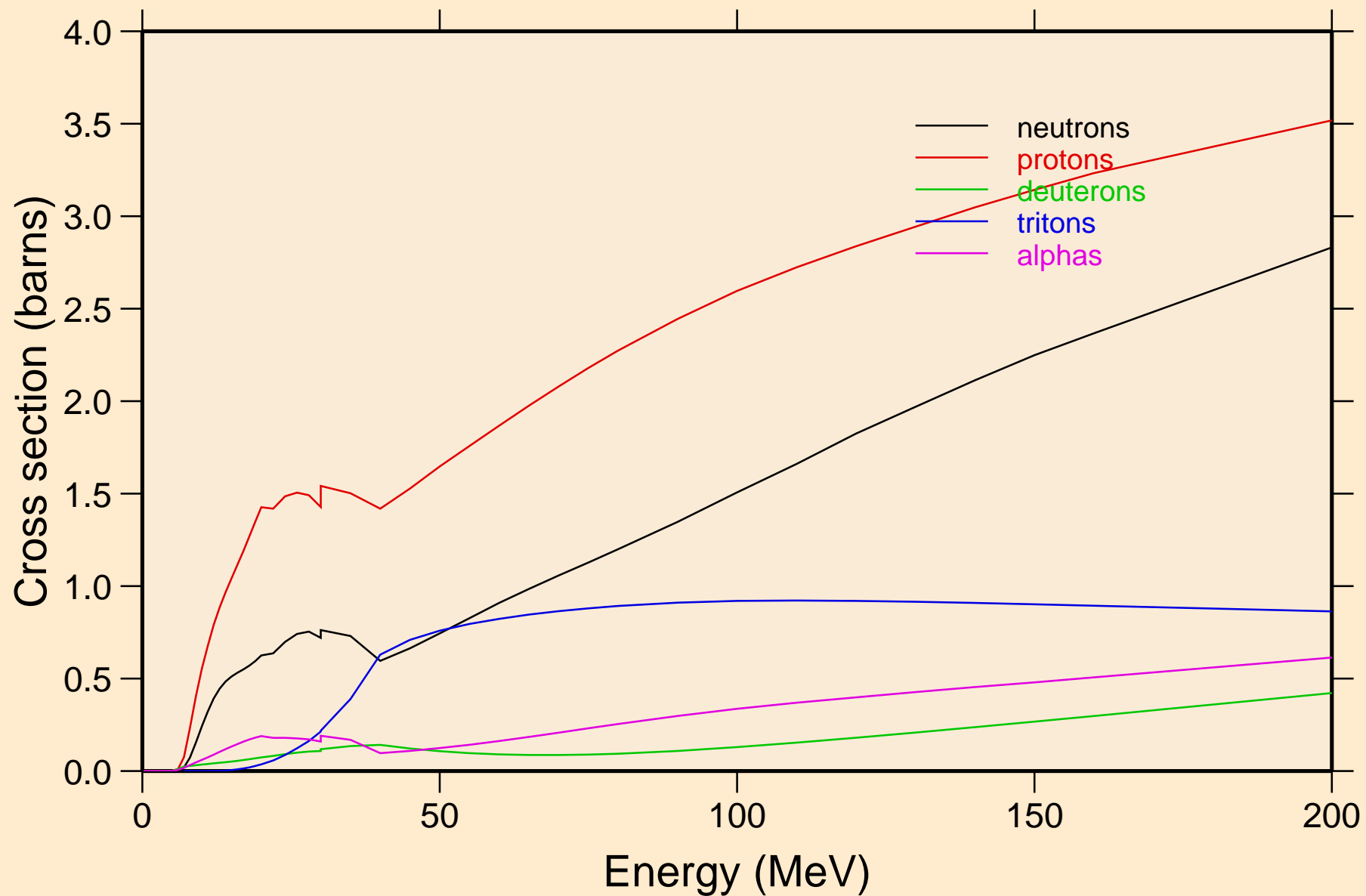


CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

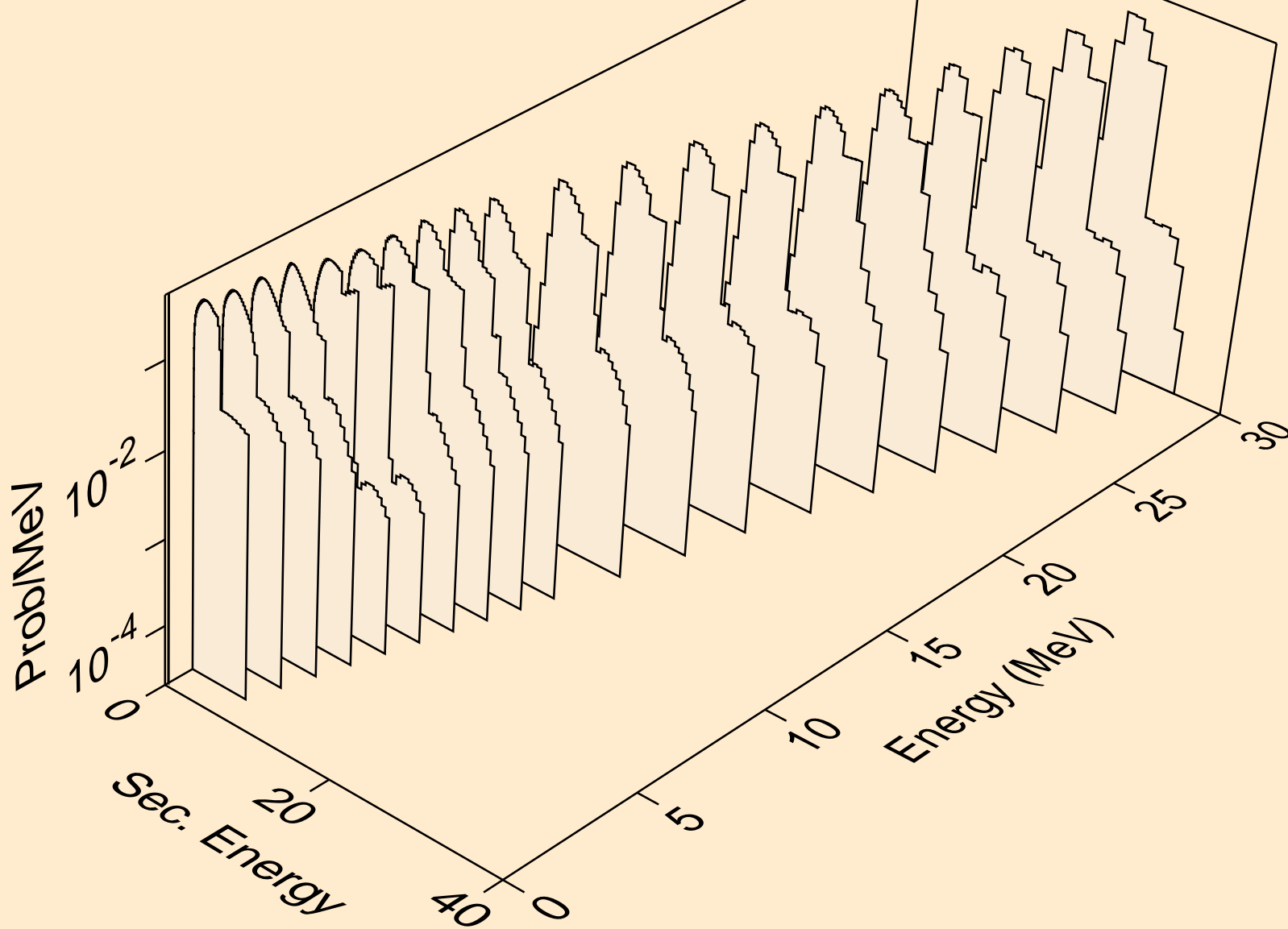


# CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K

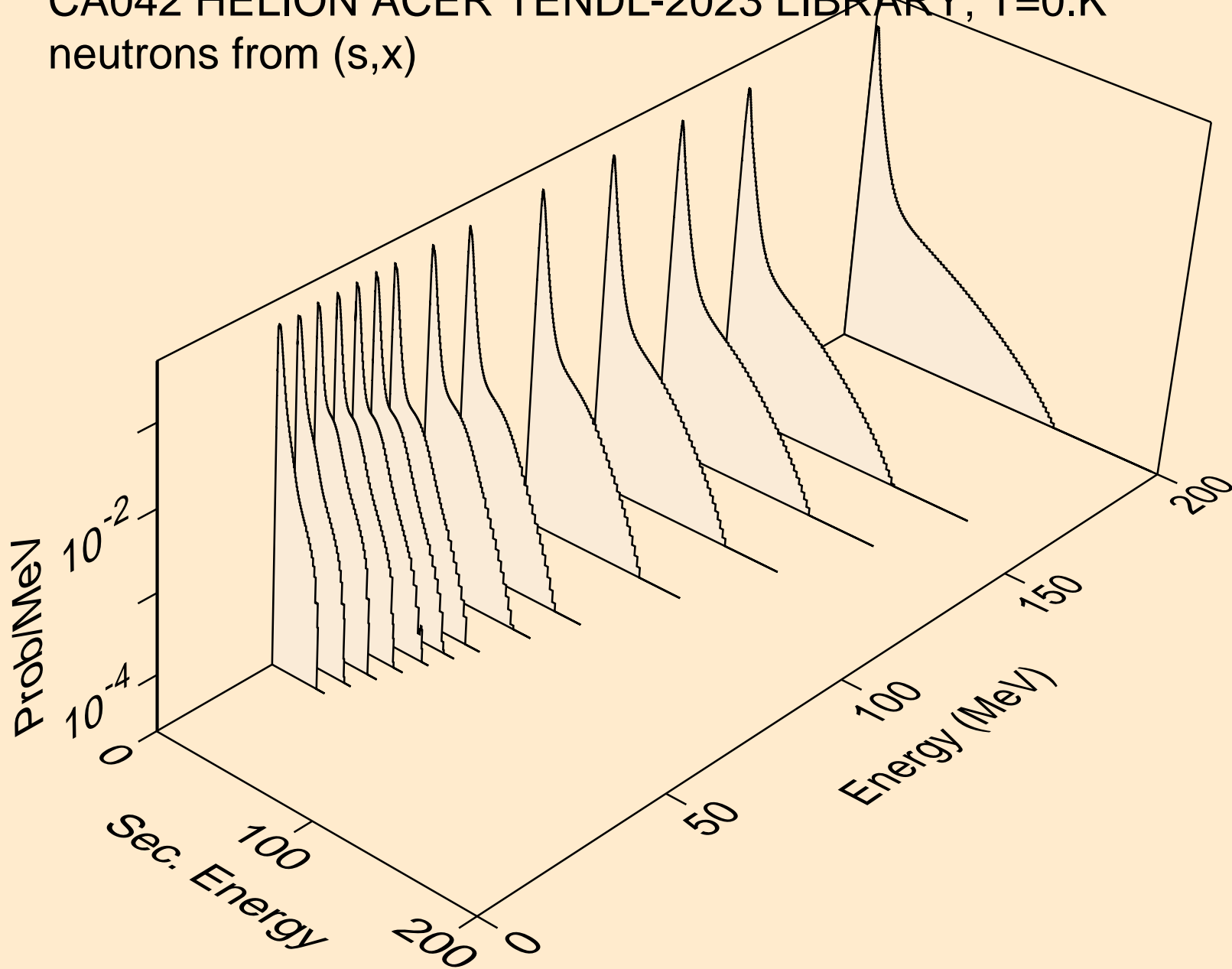
## Particle production cross sections



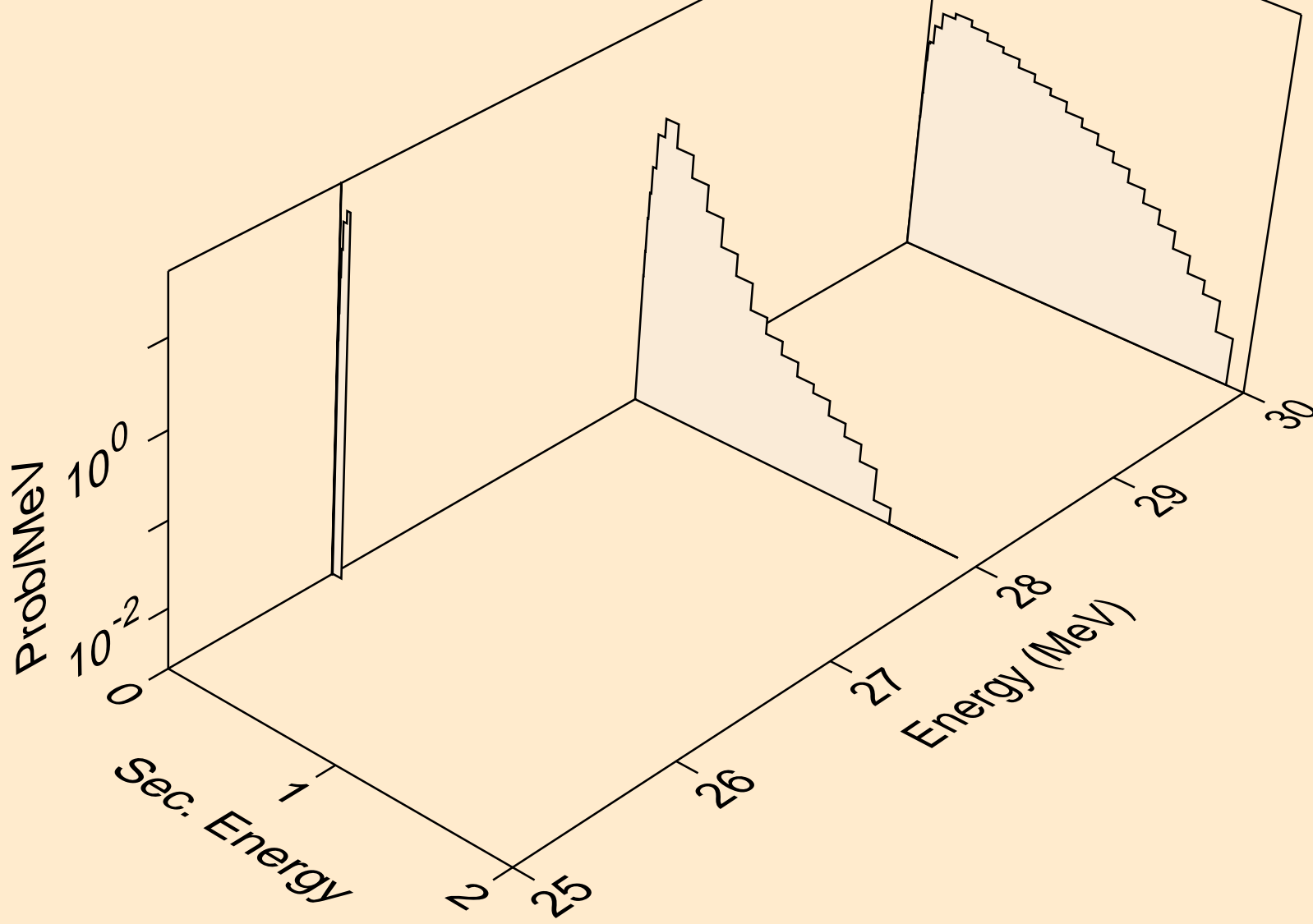
CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



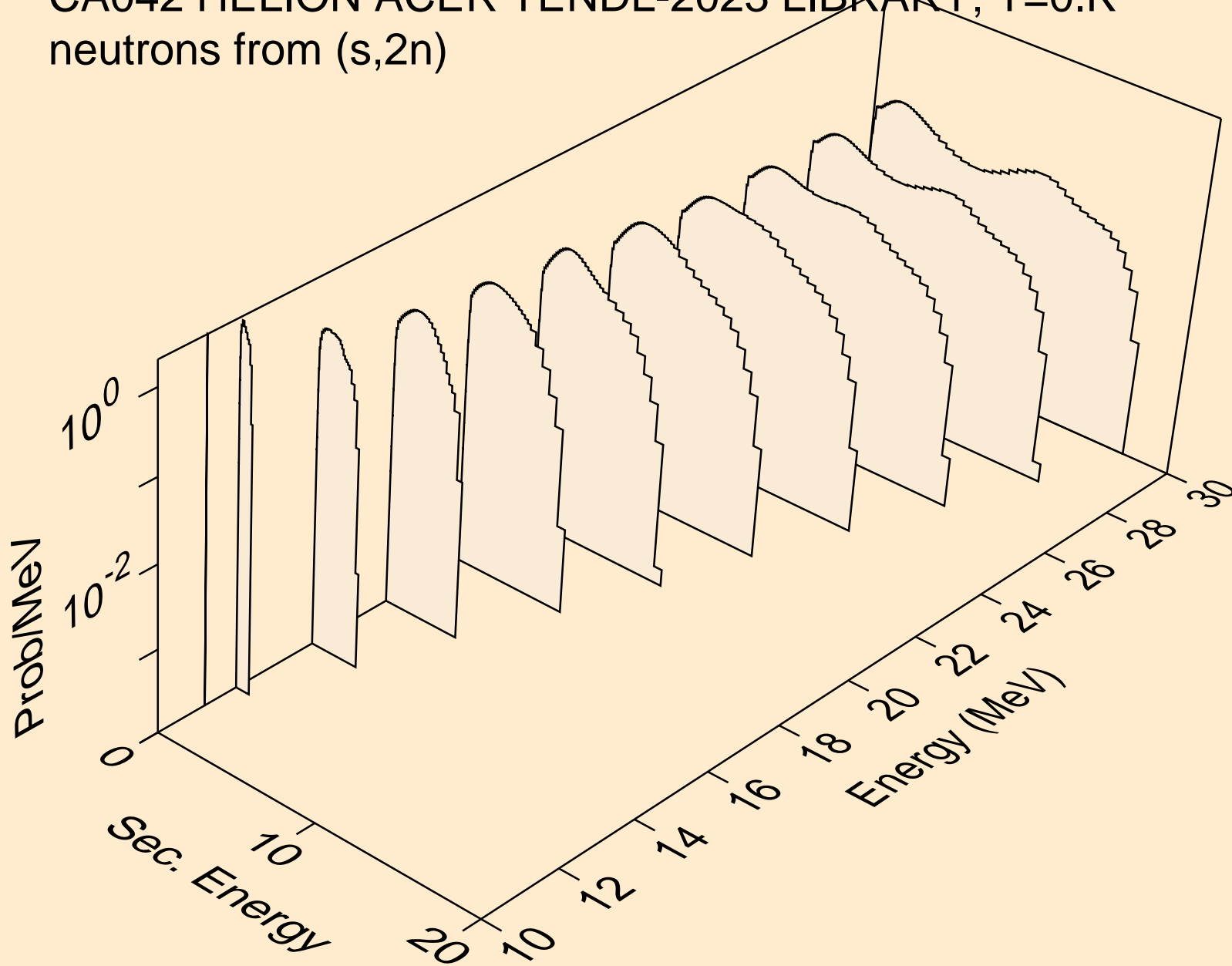
CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,x)



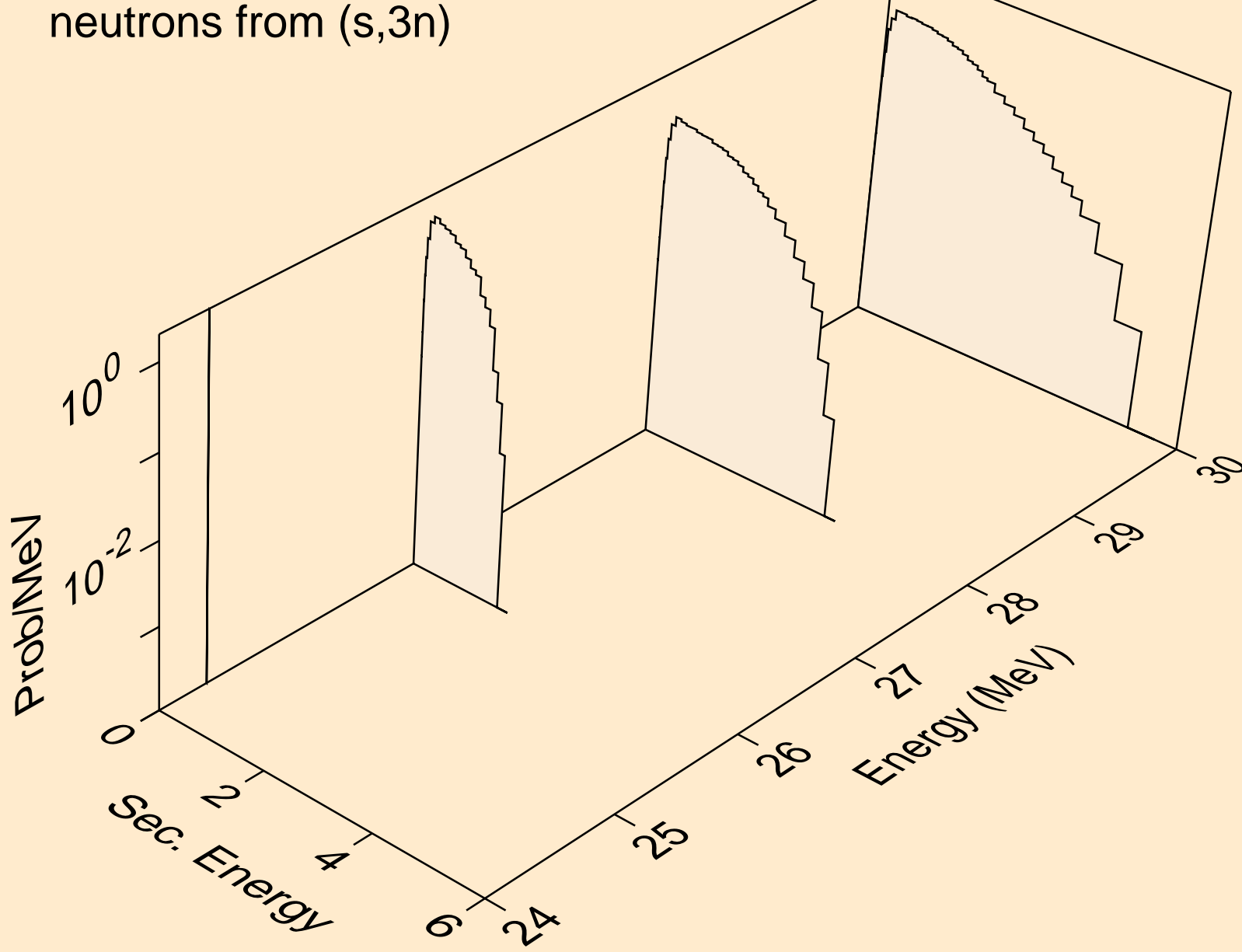
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neutrons from (s,2nd)



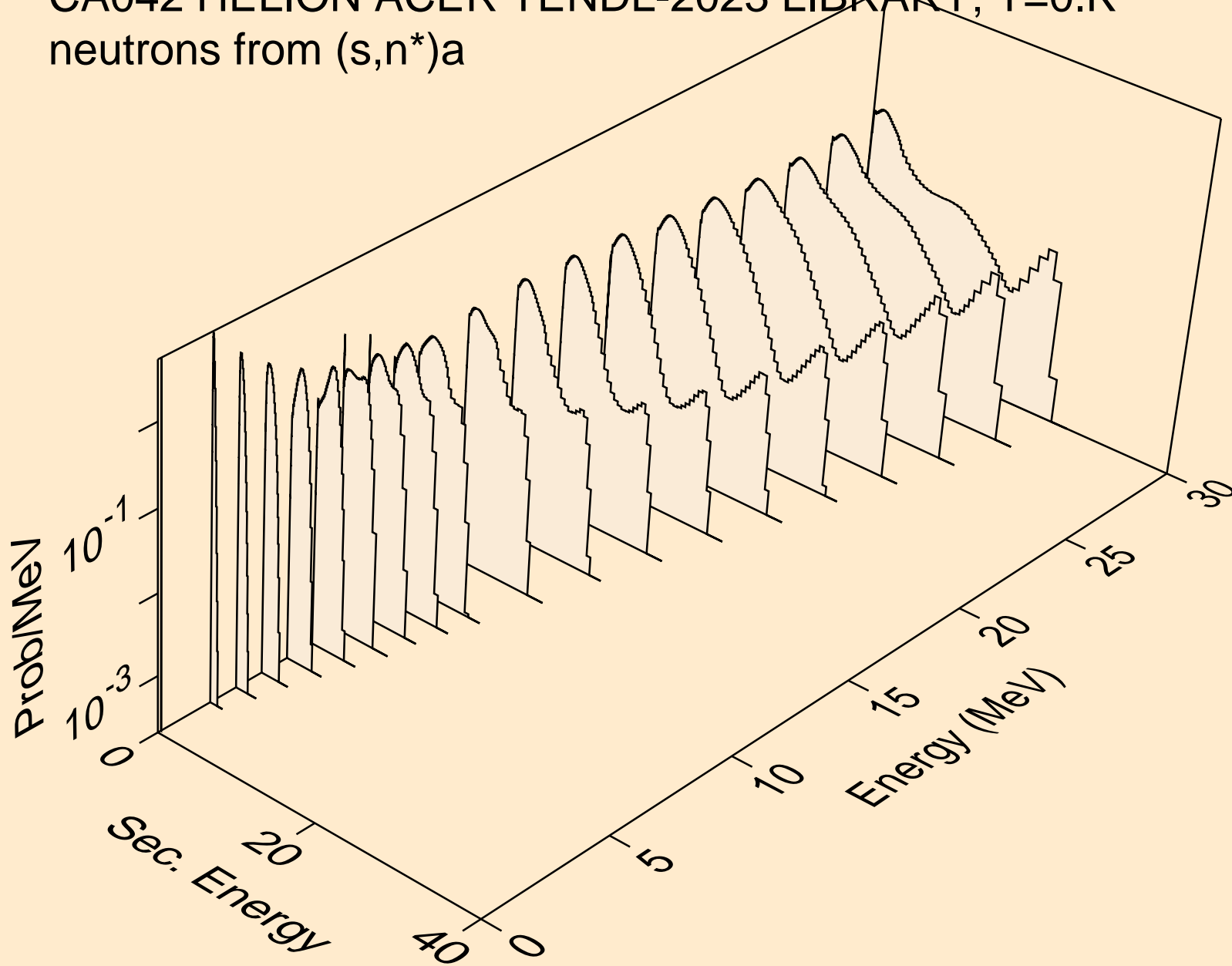
CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)



CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3n)

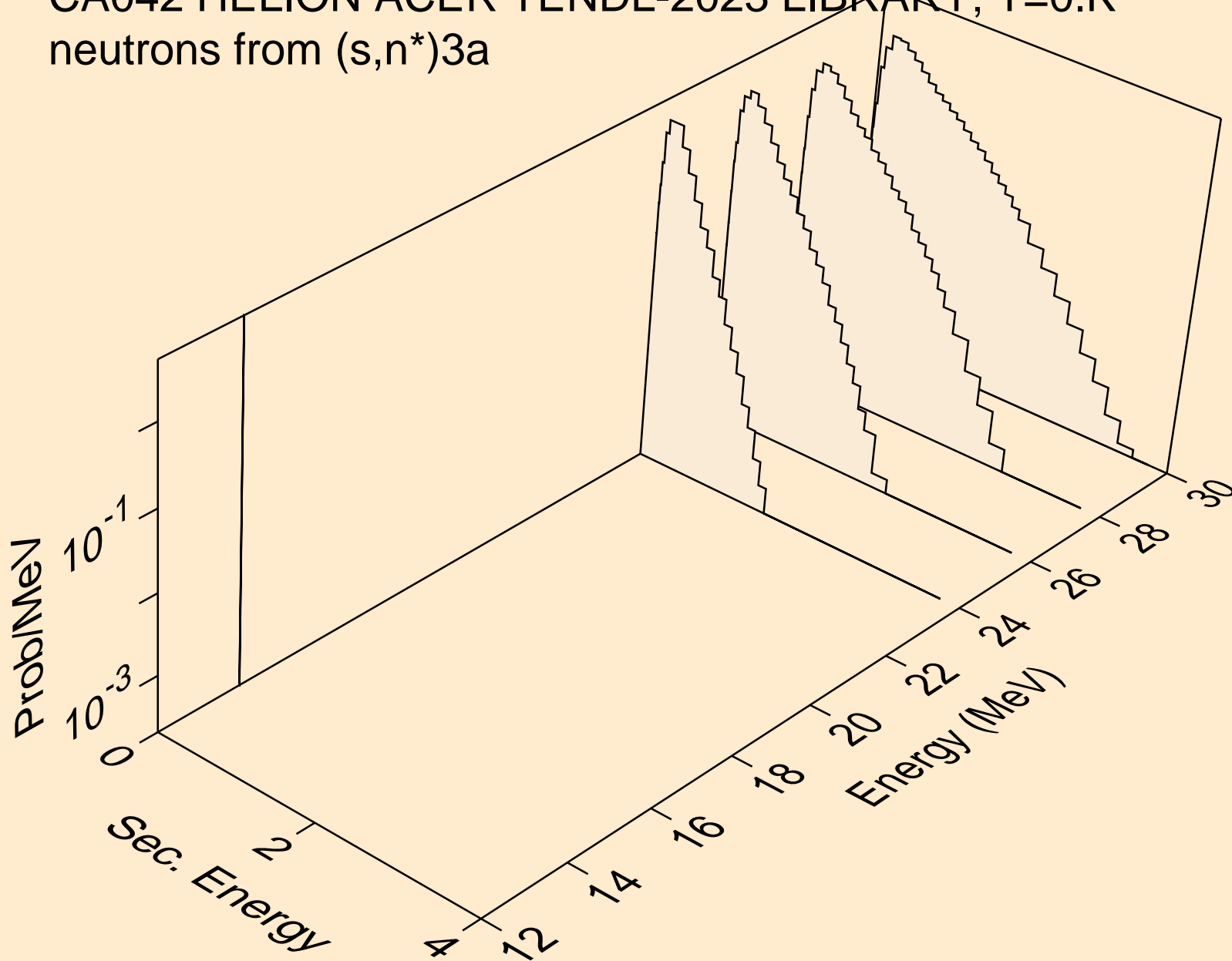


CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a

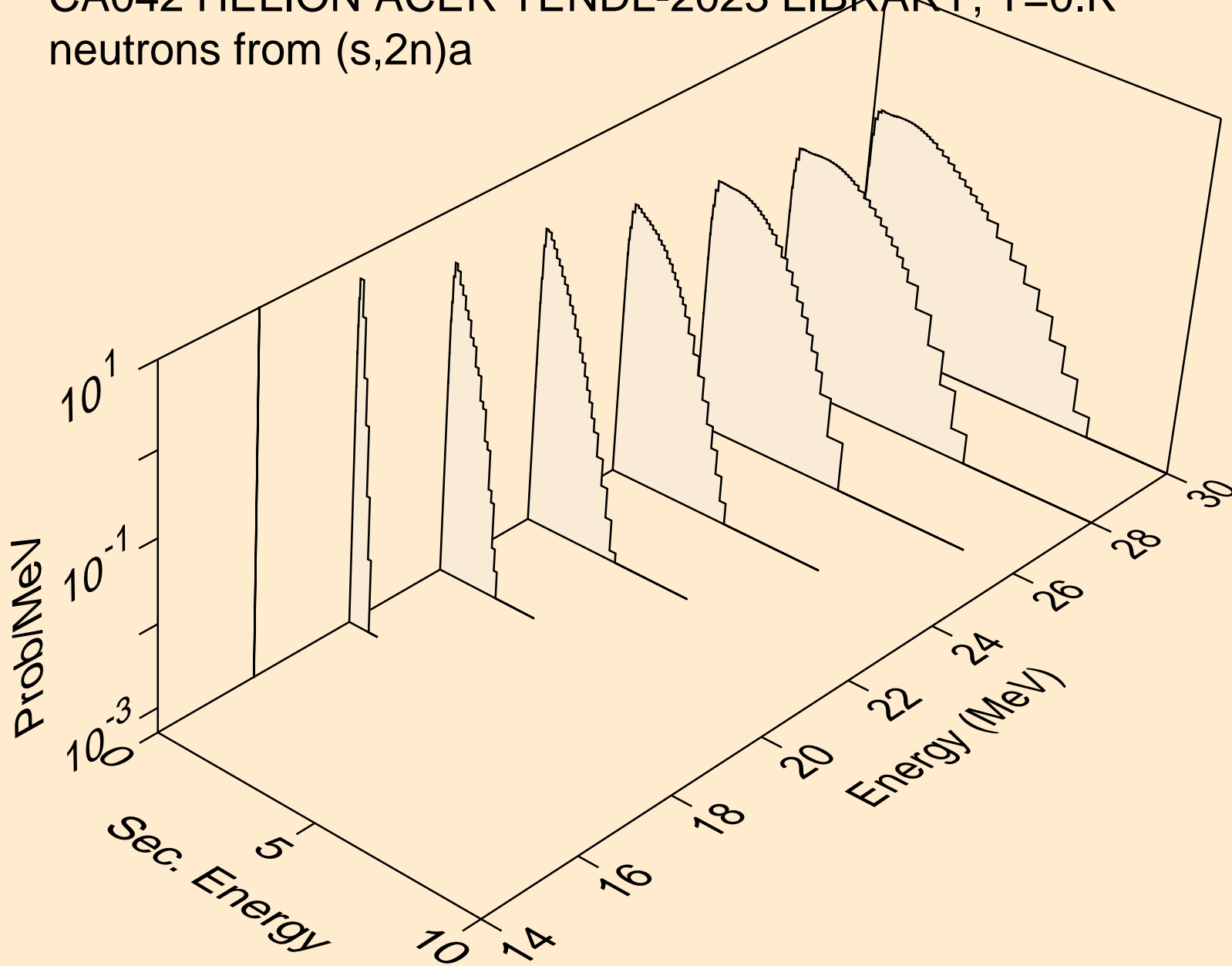




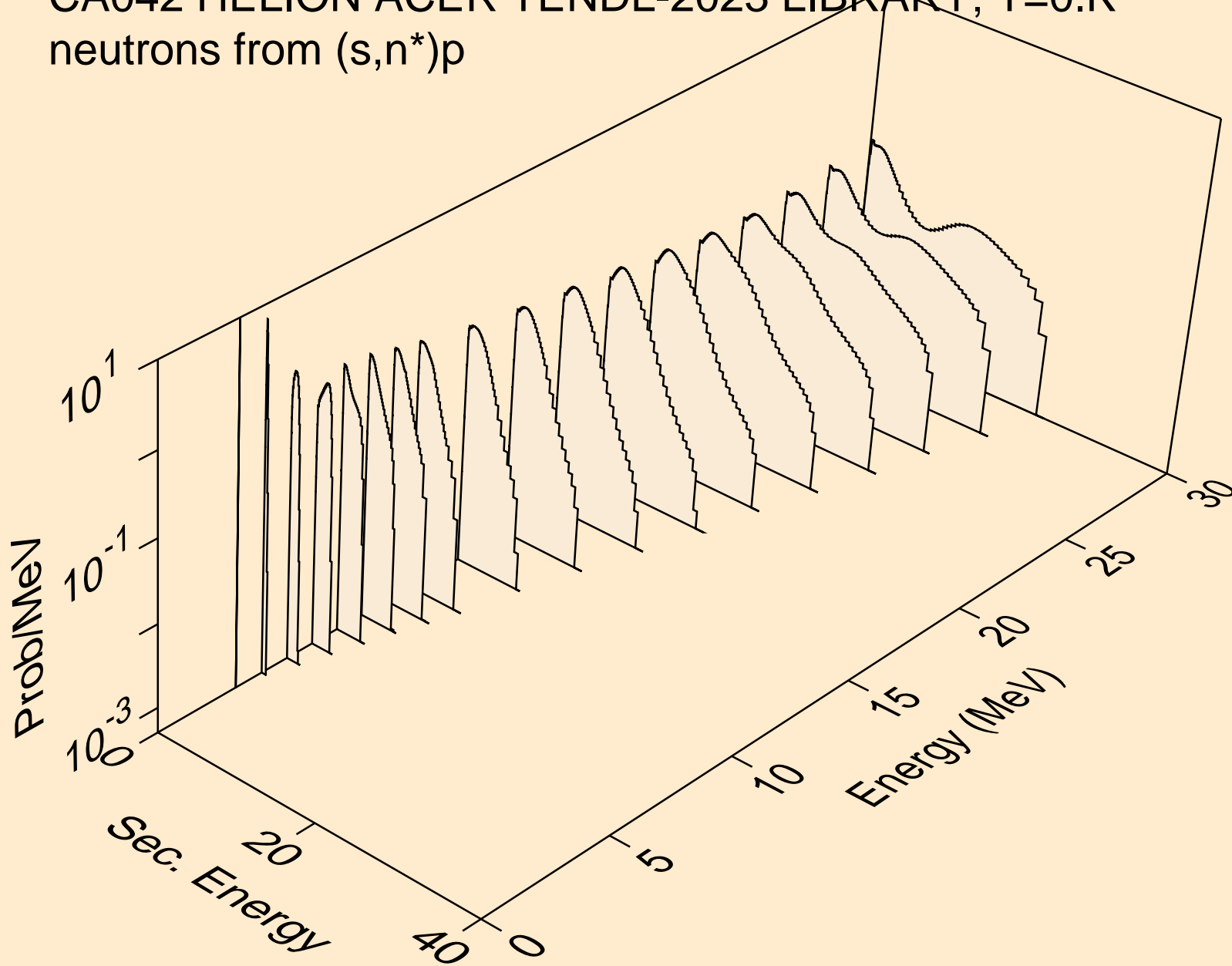
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neutrons from (s,n\*)3a



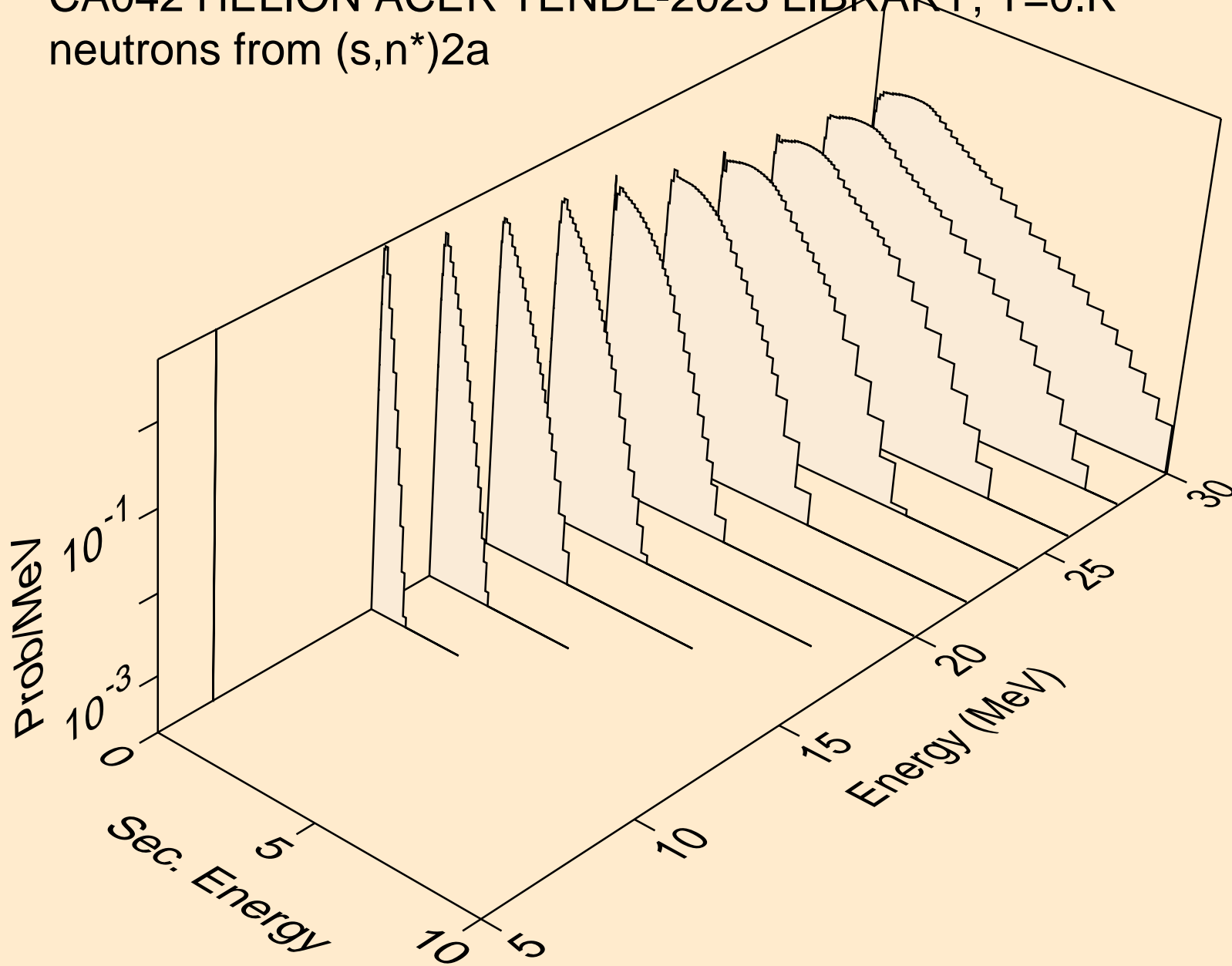
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neutrons from (s,2n)a



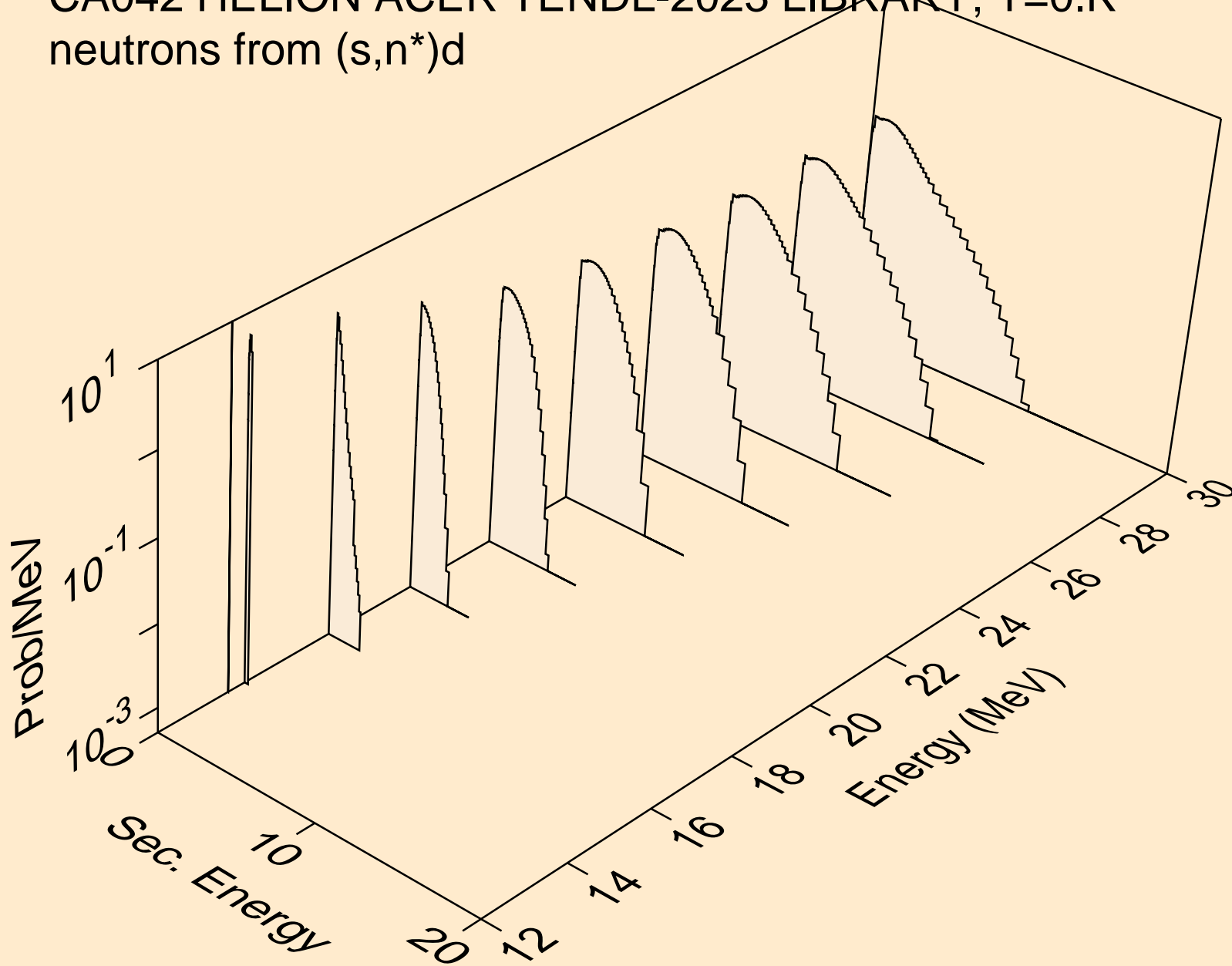
CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)p



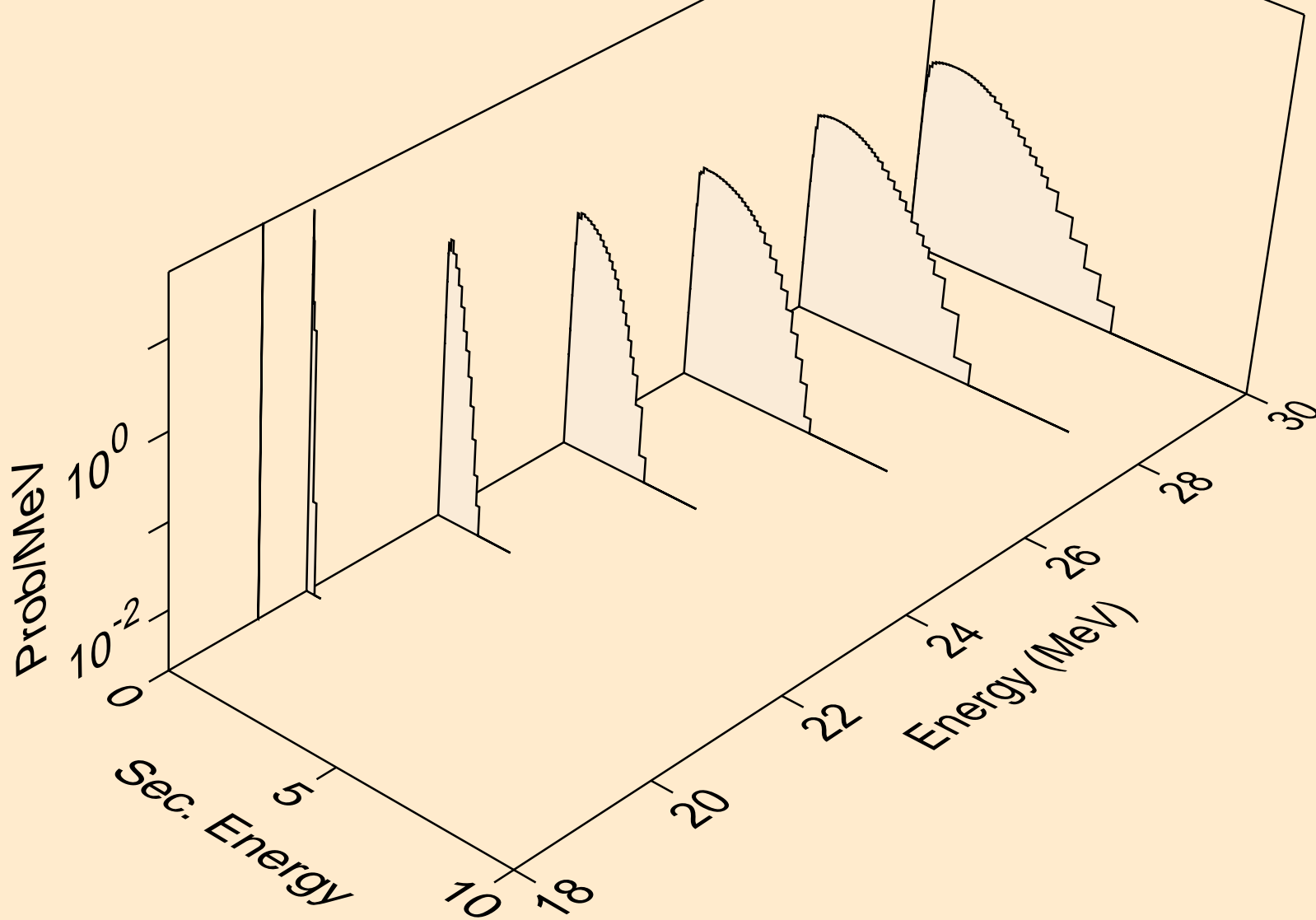
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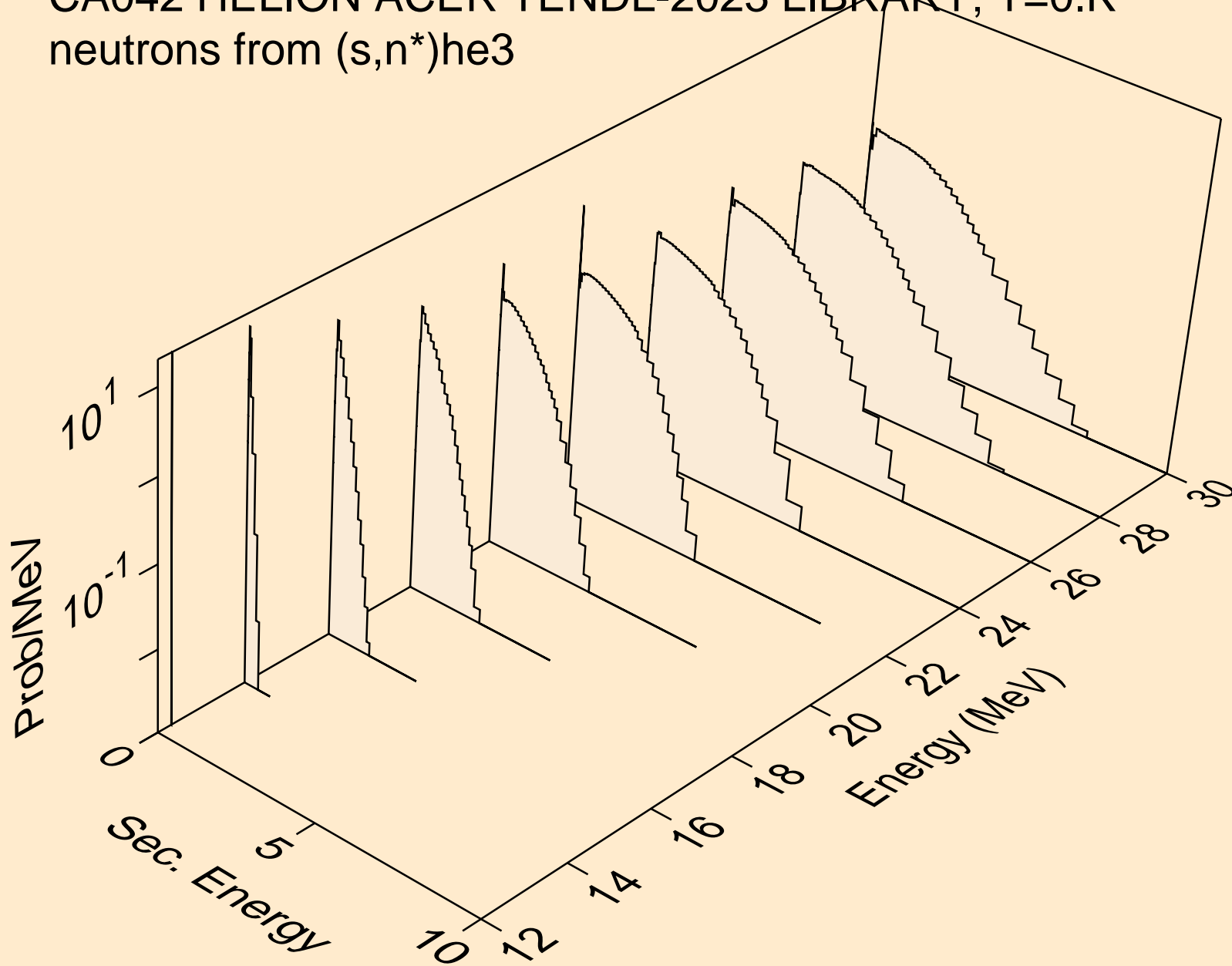
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neutrons from (s,n\*)d



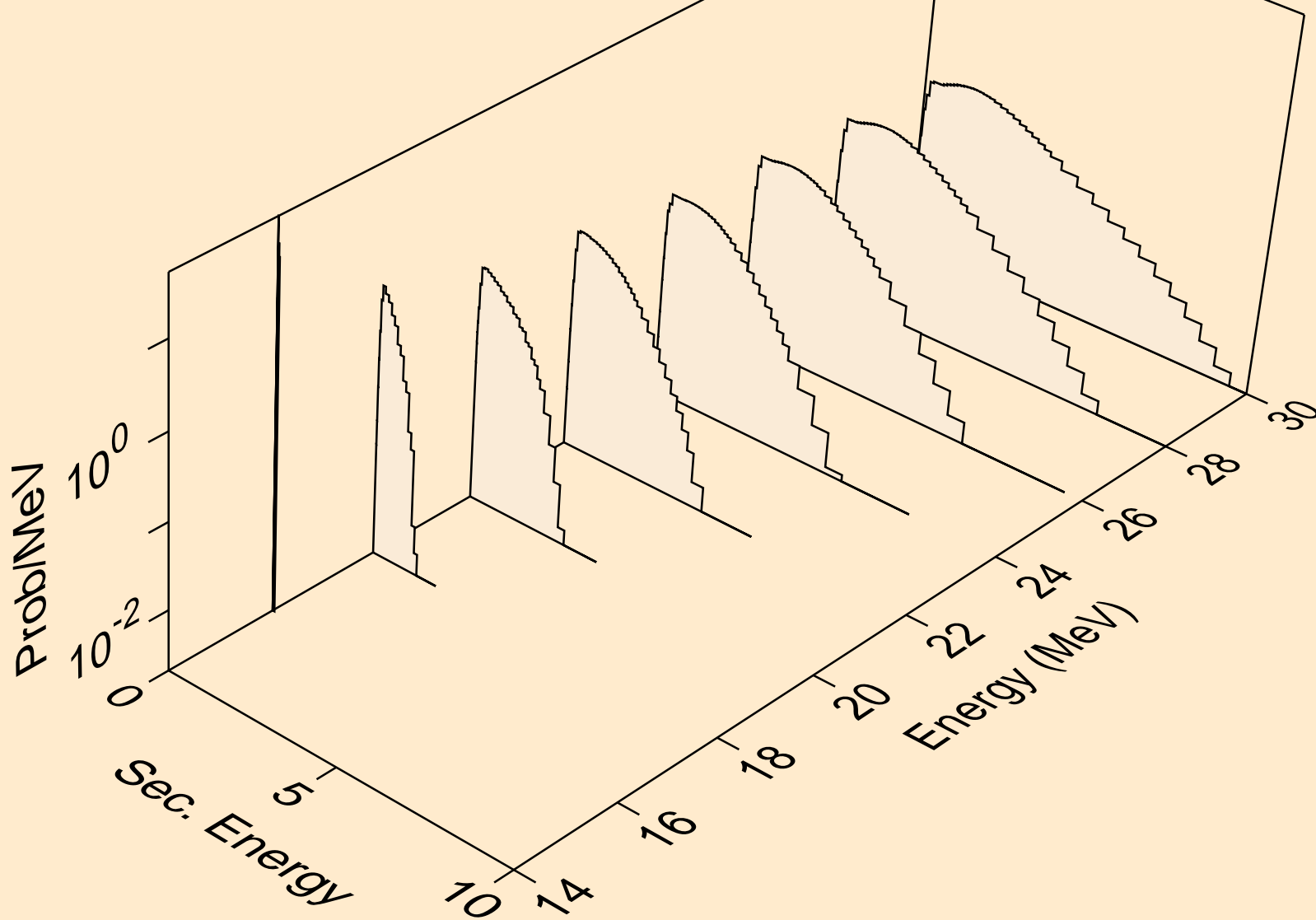
CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)t



CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

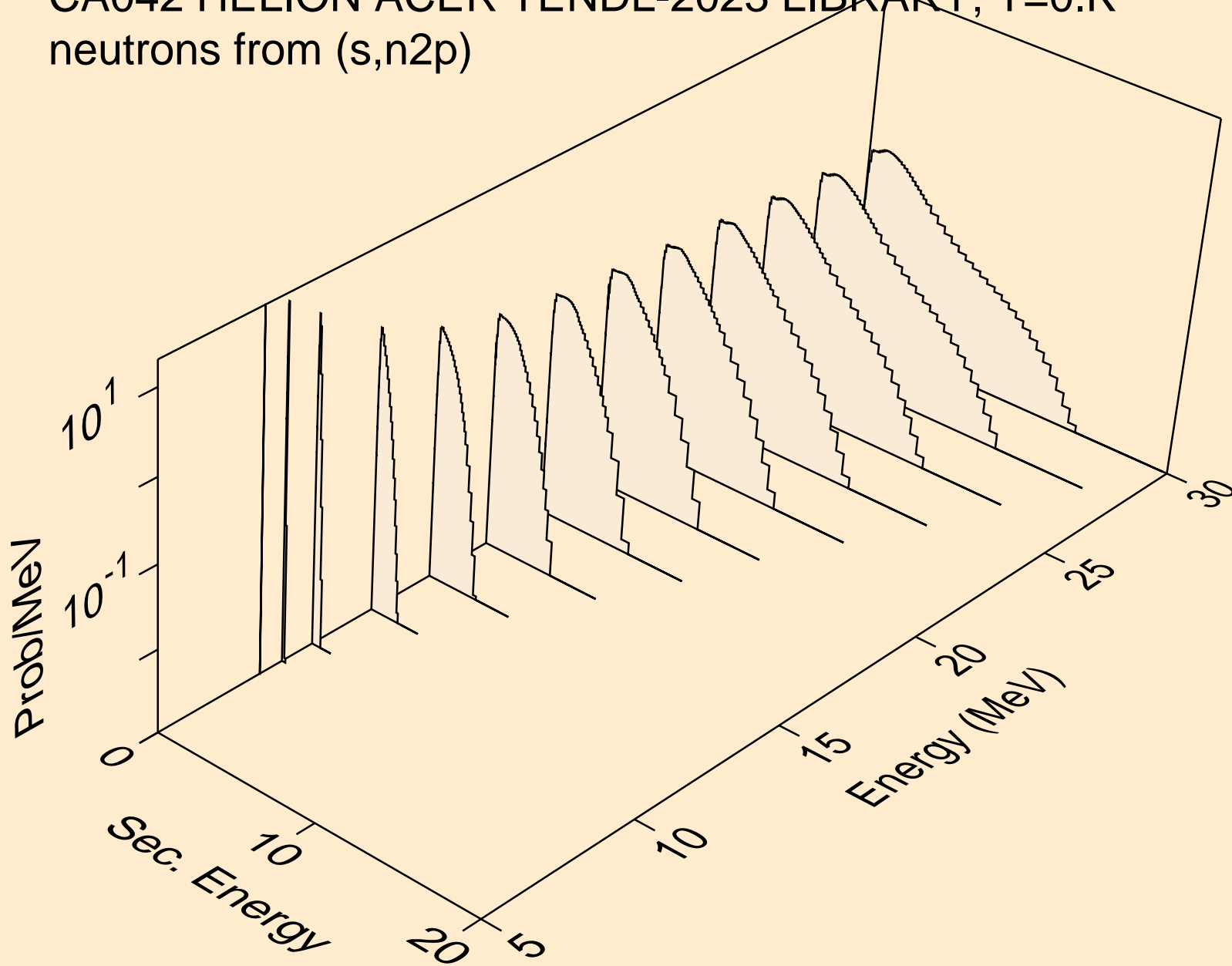


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neutrons from (s,2np)

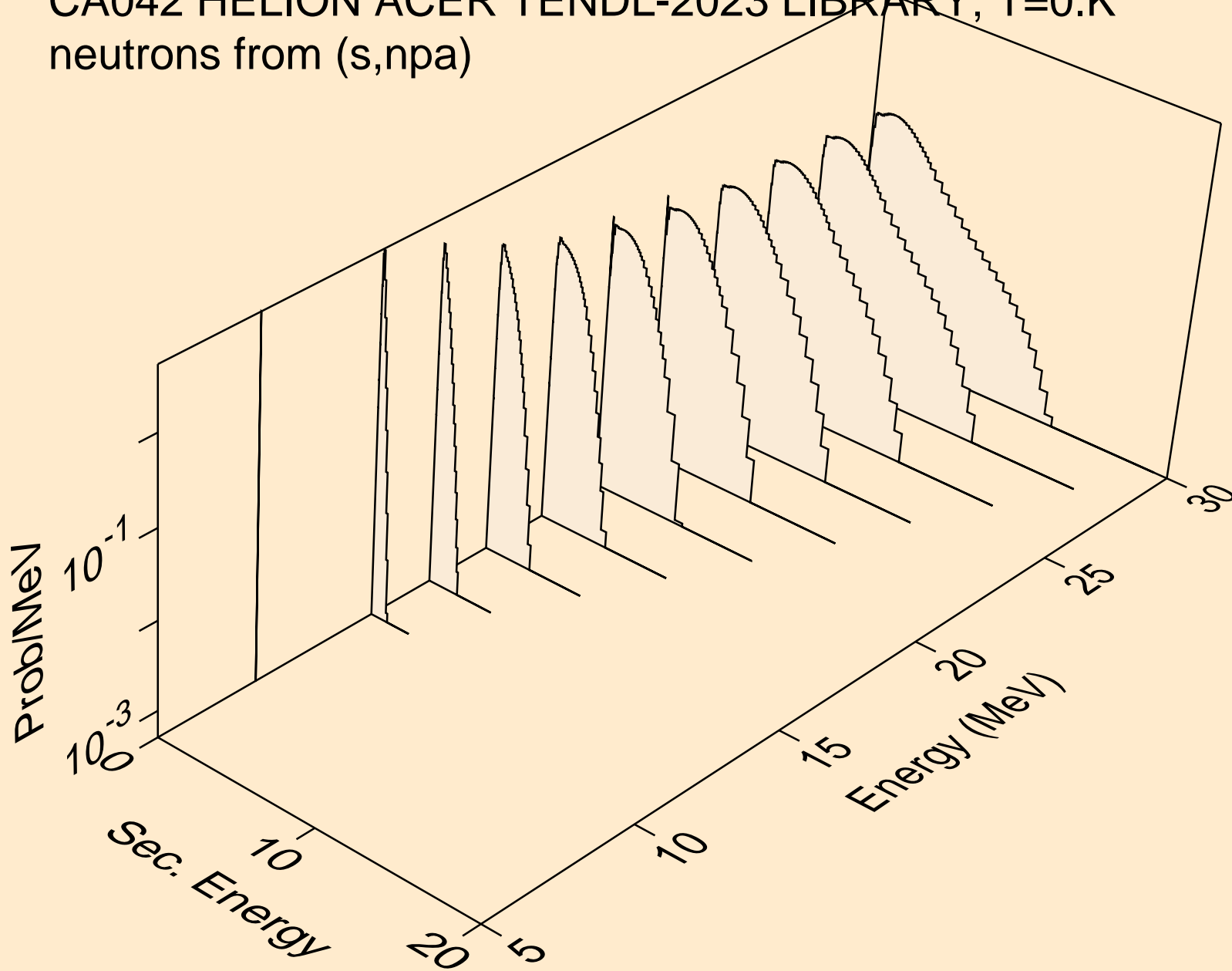




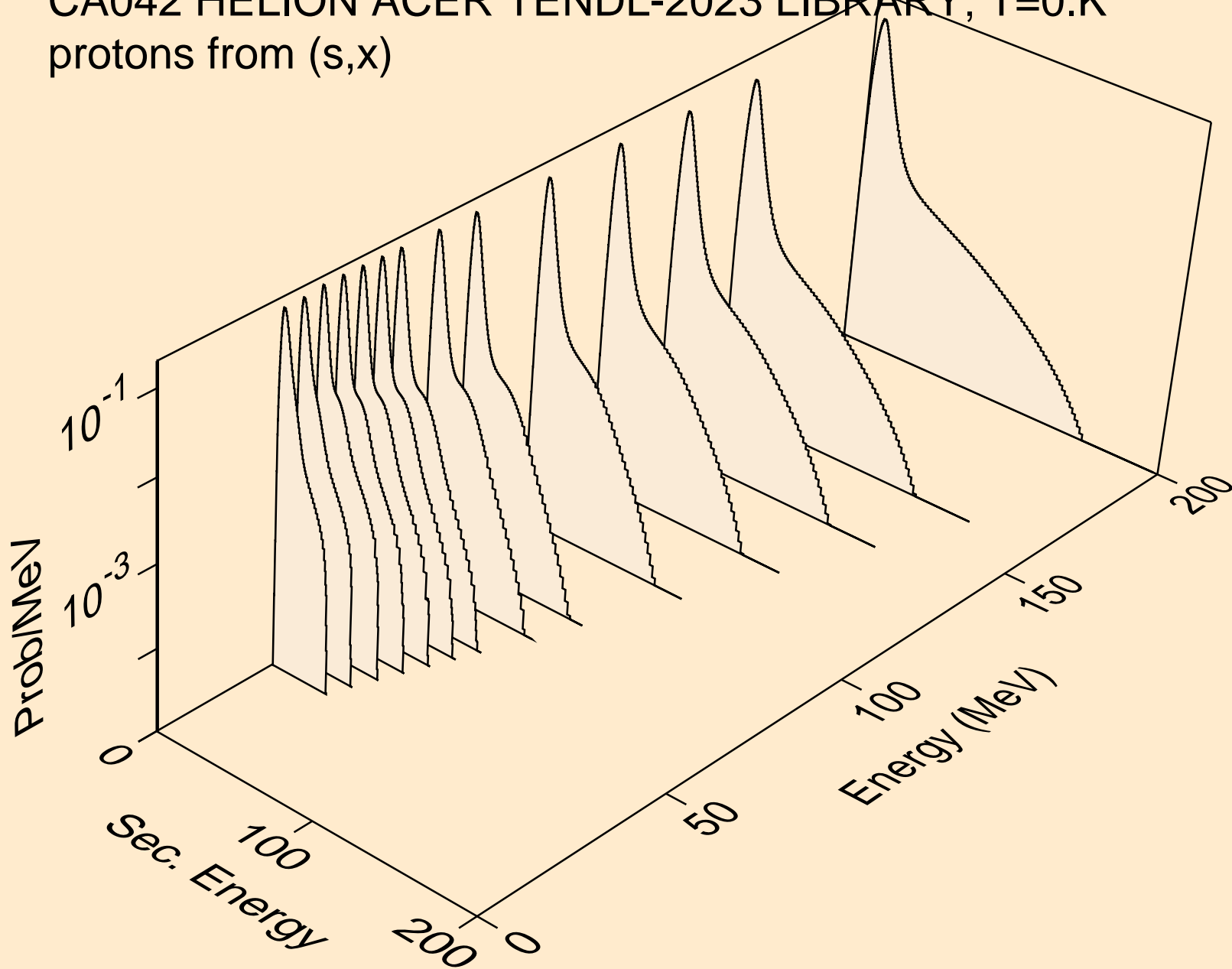
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neutrons from (s,n2p)



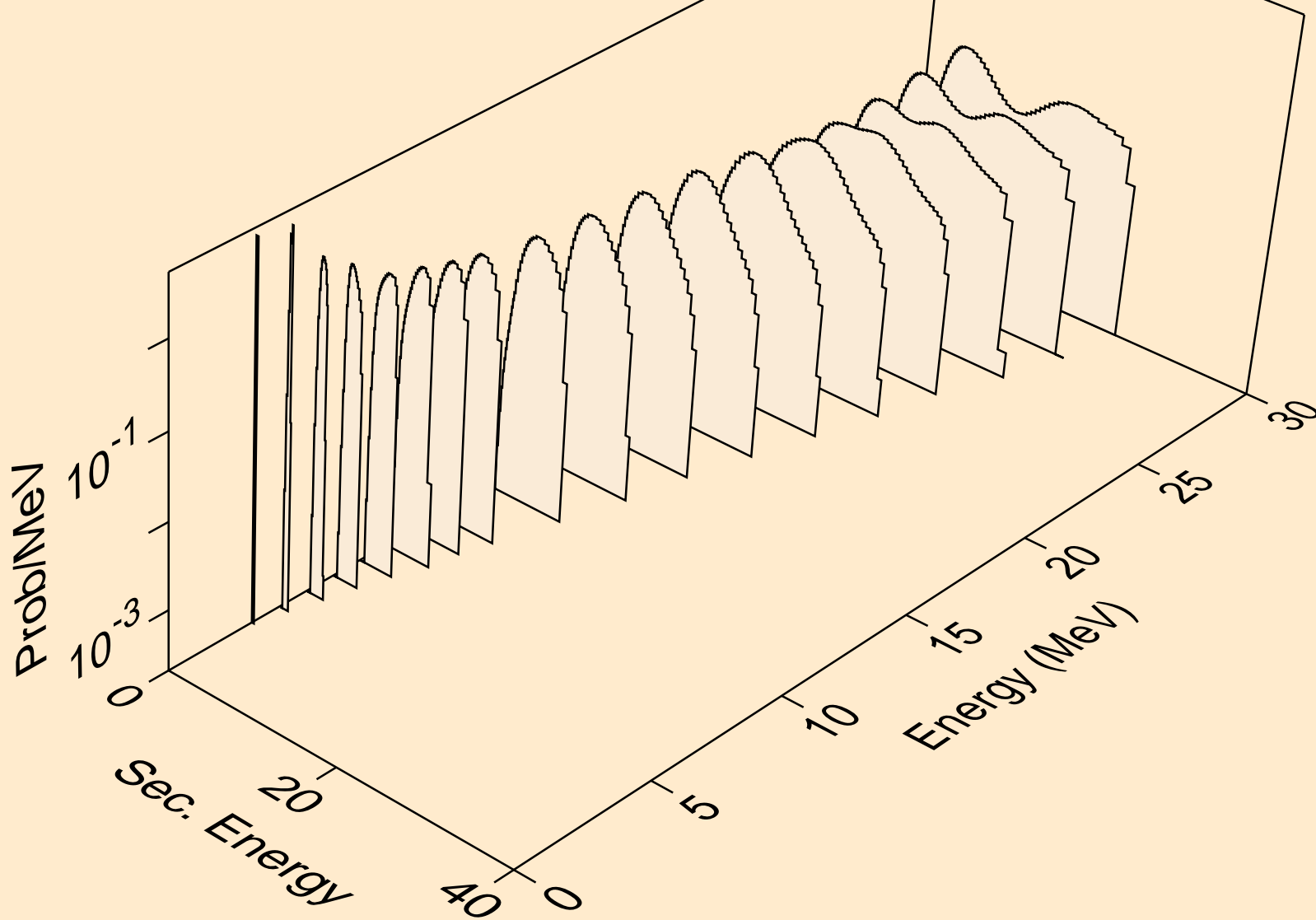
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neutrons from (s,npa)



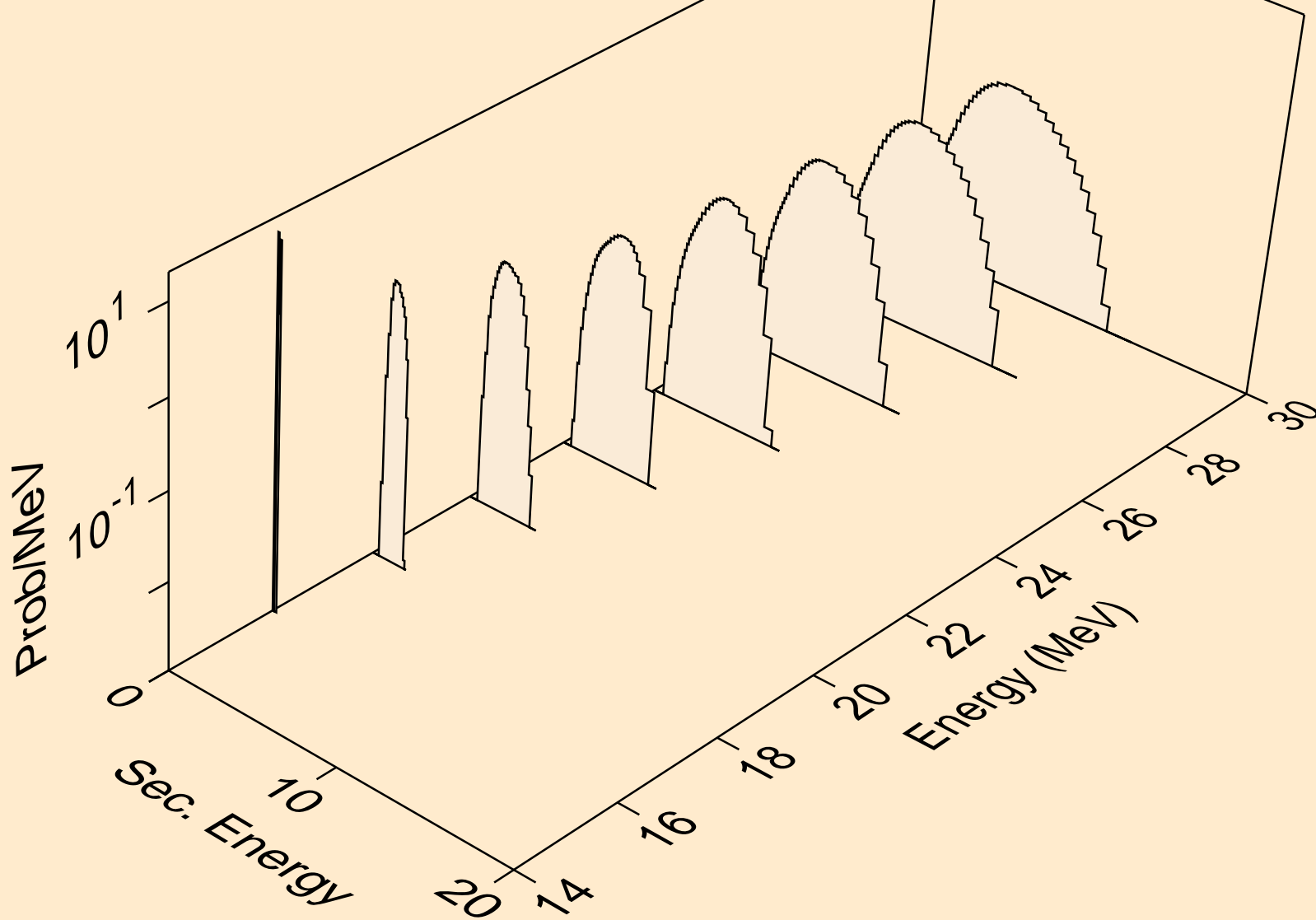
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protons from (s,x)



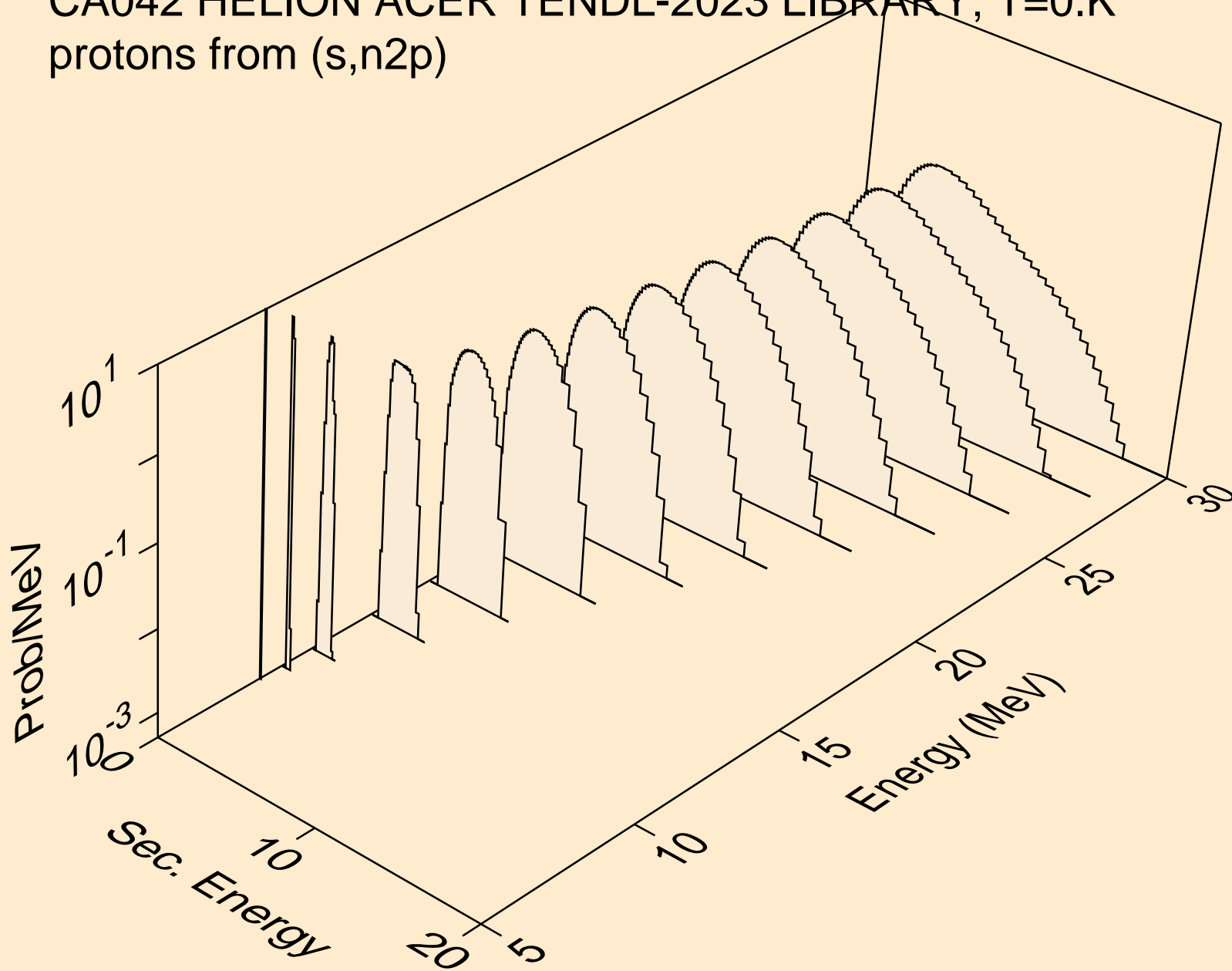
CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n\*)p



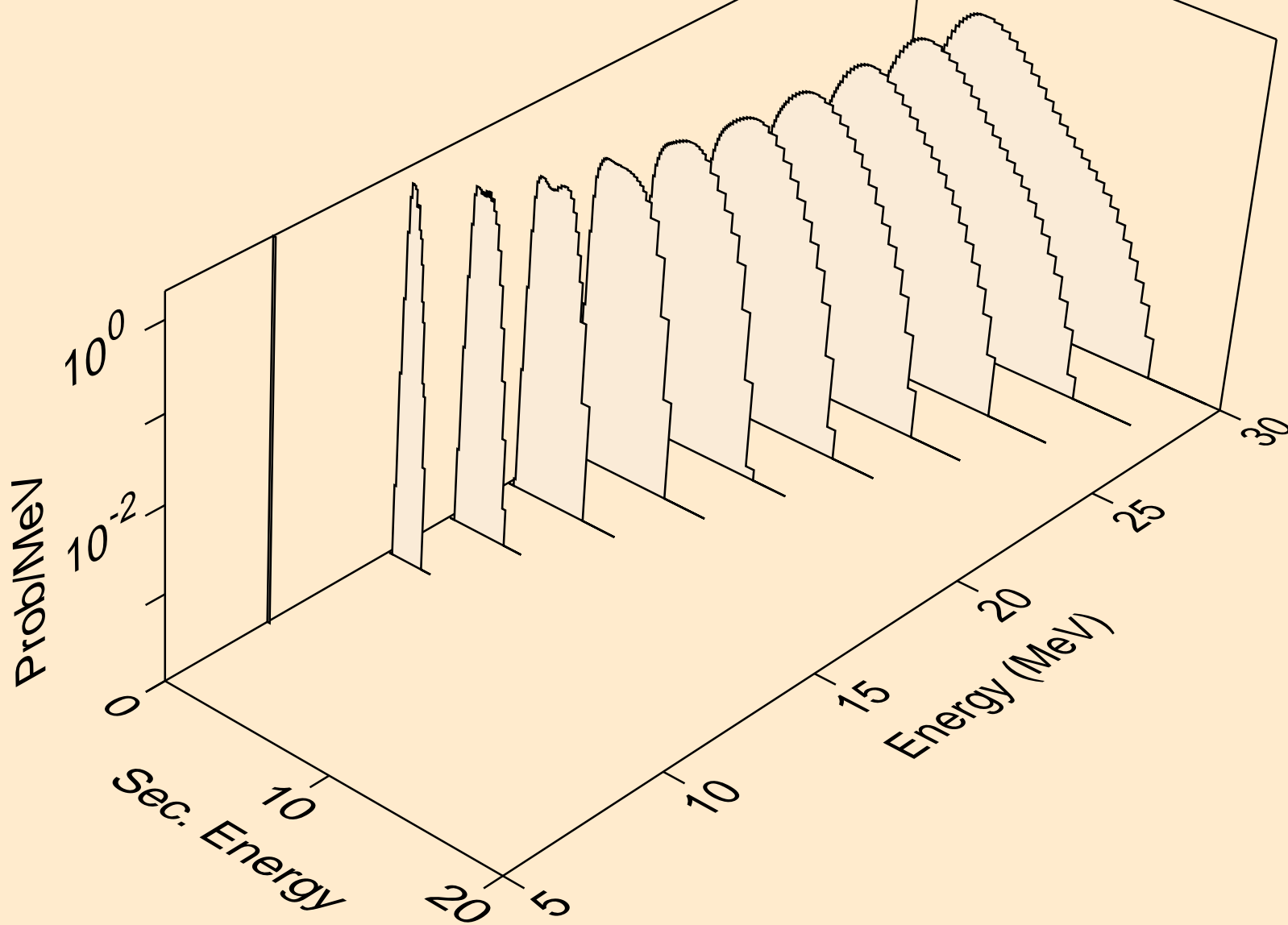
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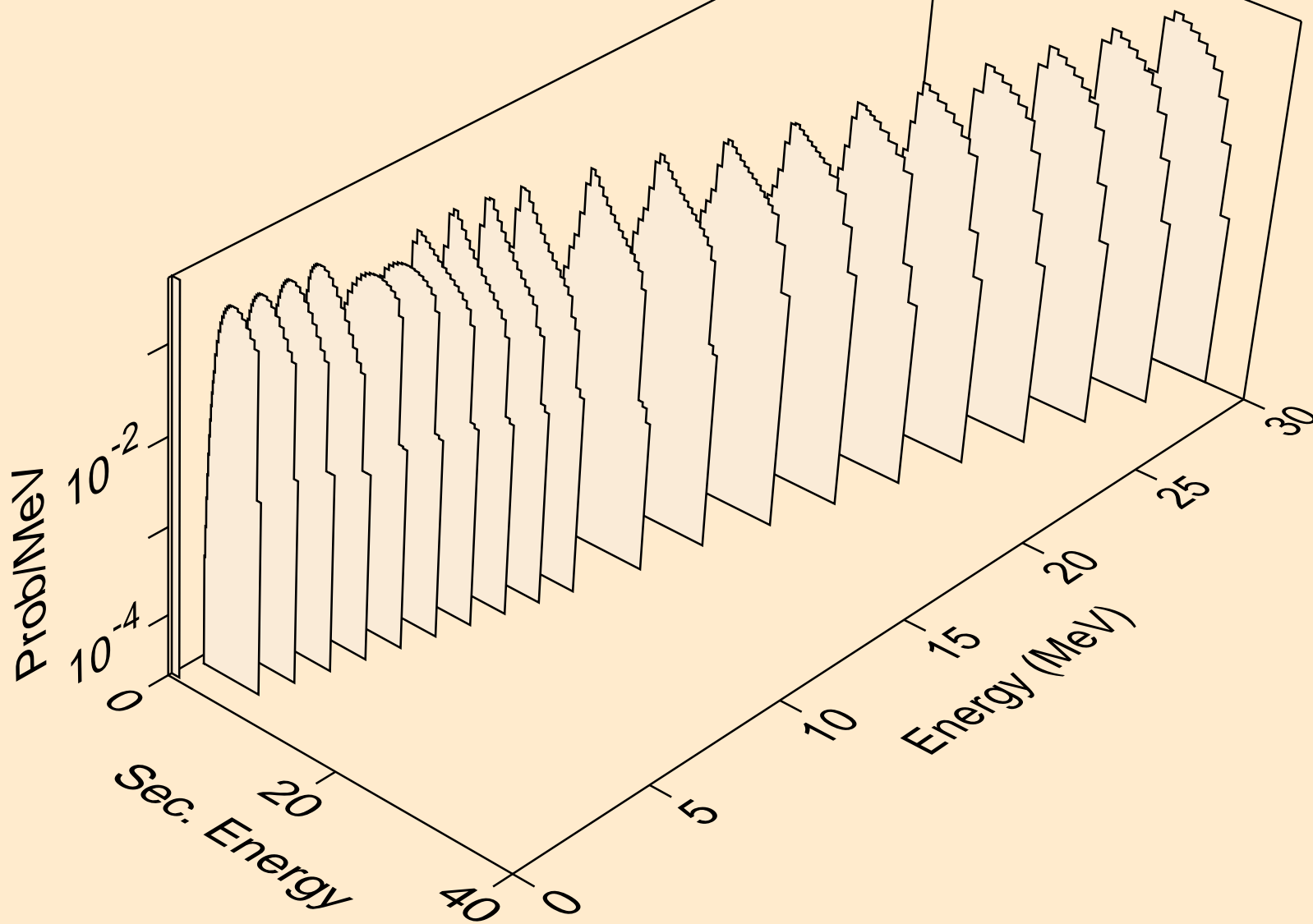
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protons from (s,n2p)



CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,npa)

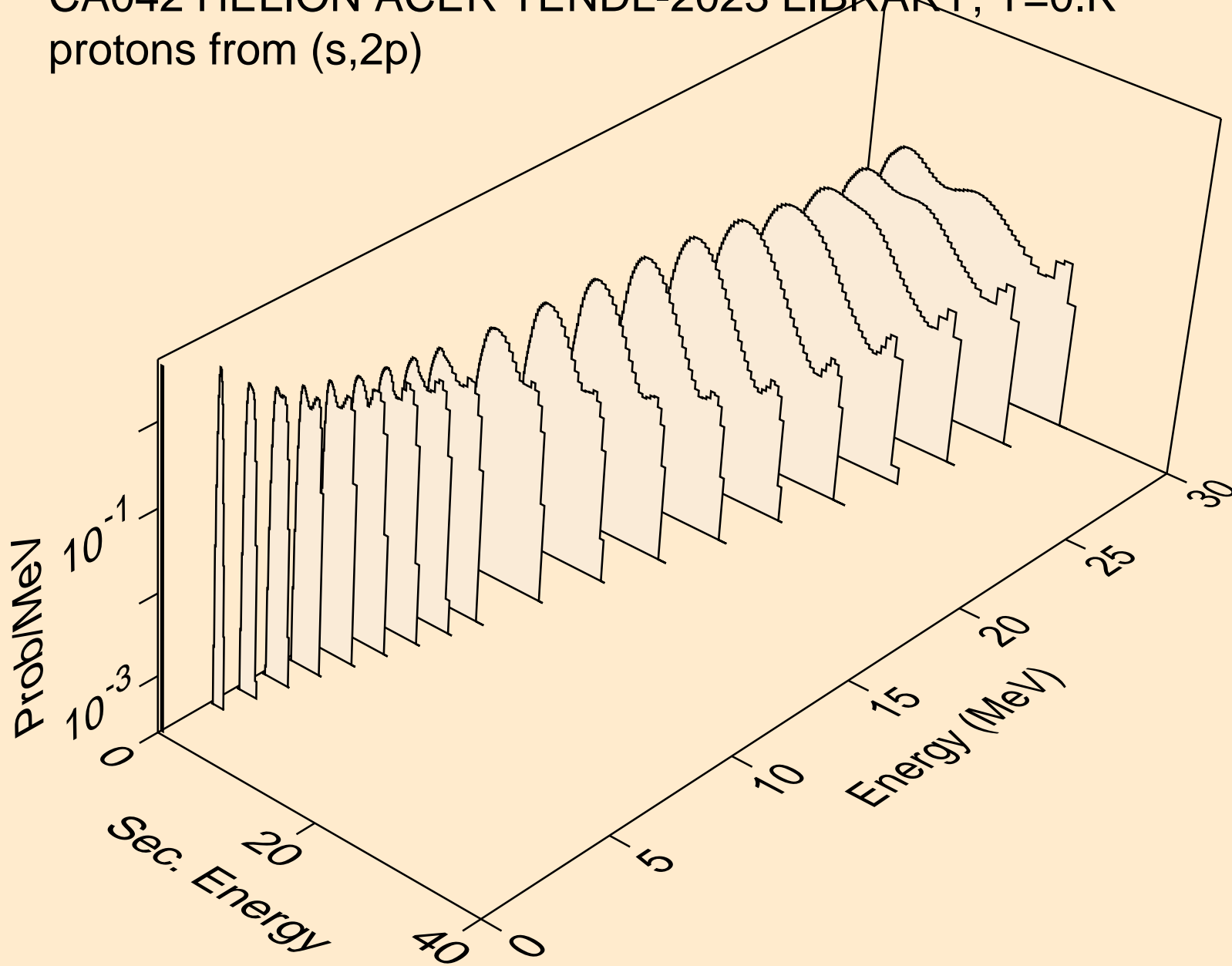


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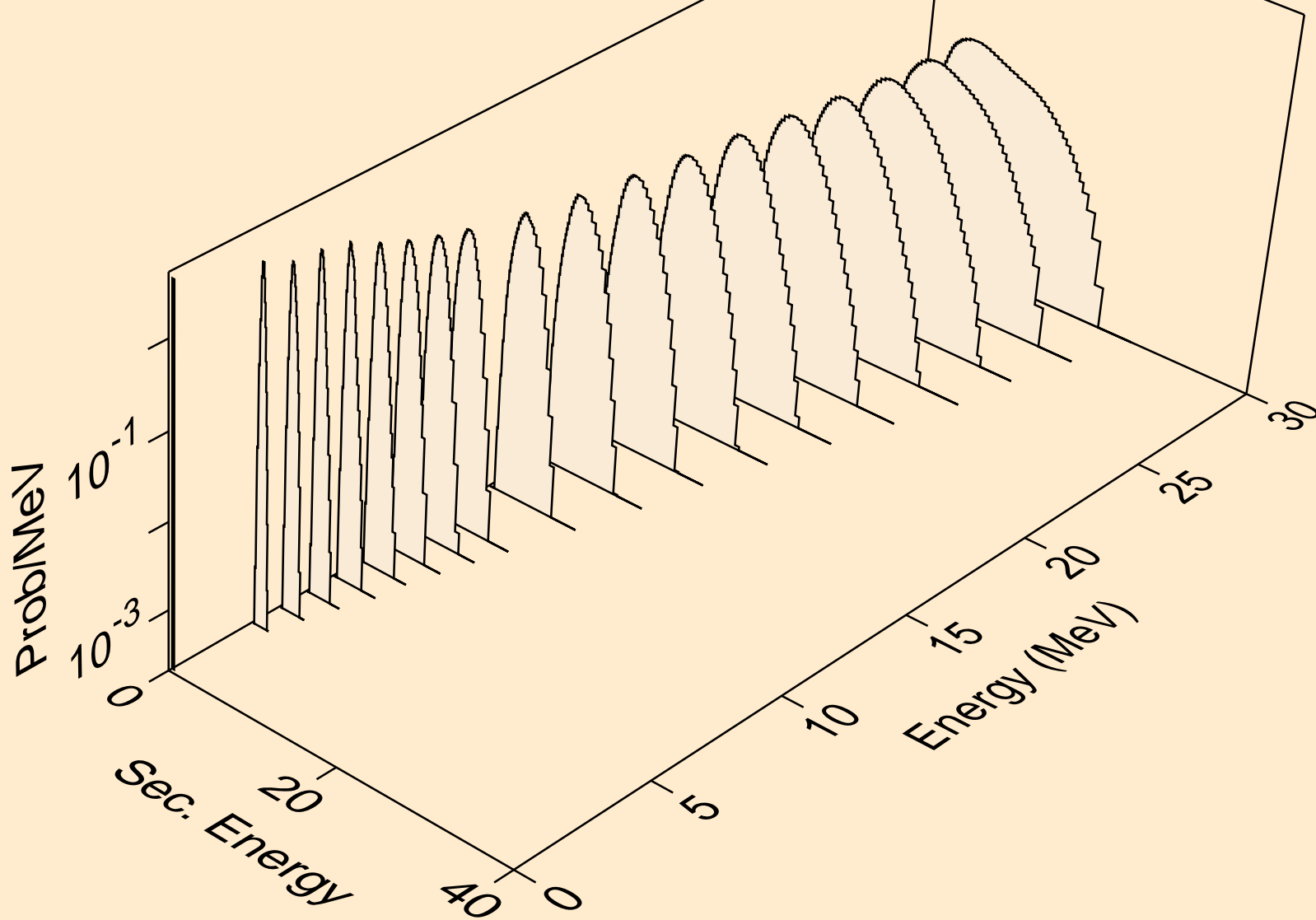




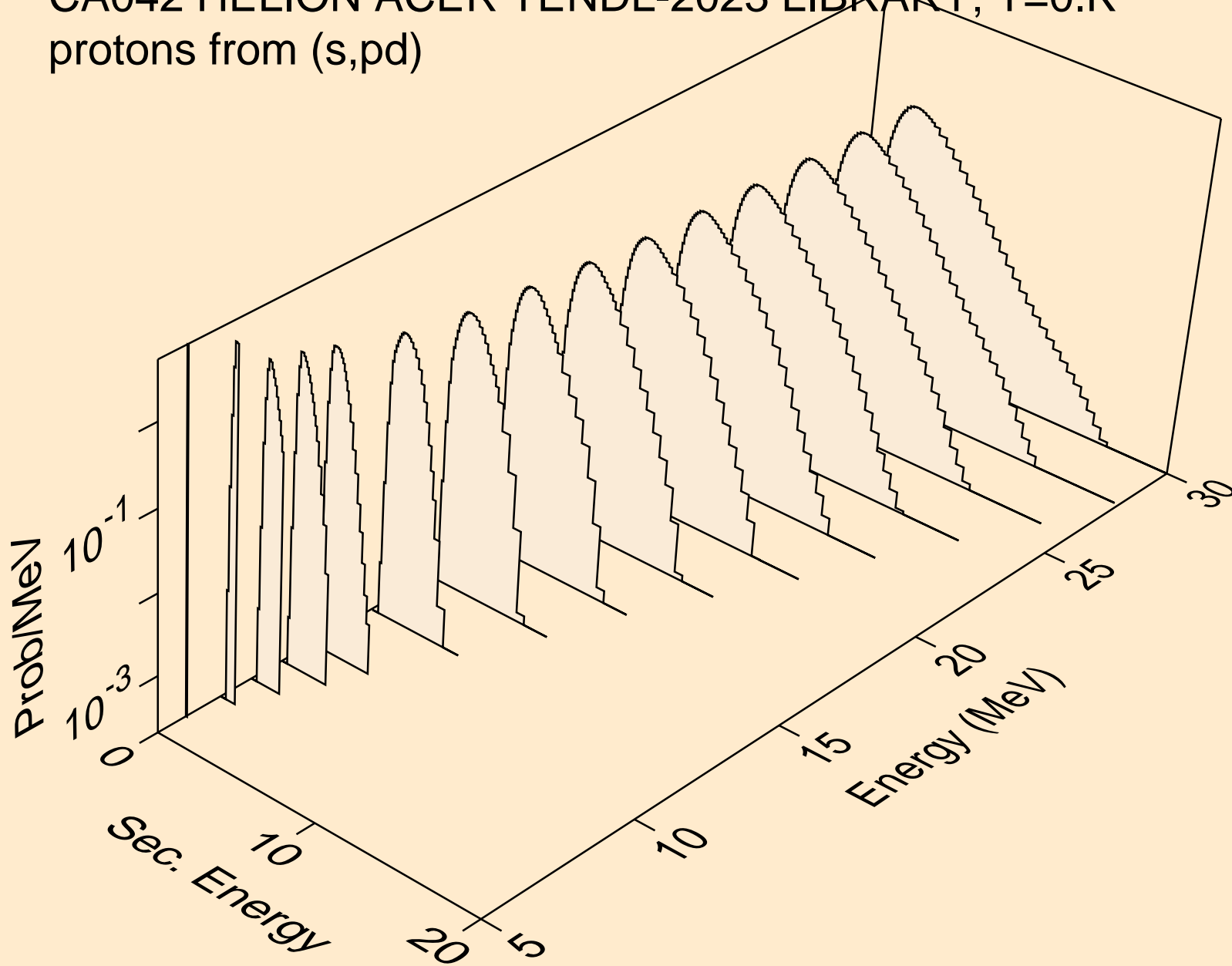
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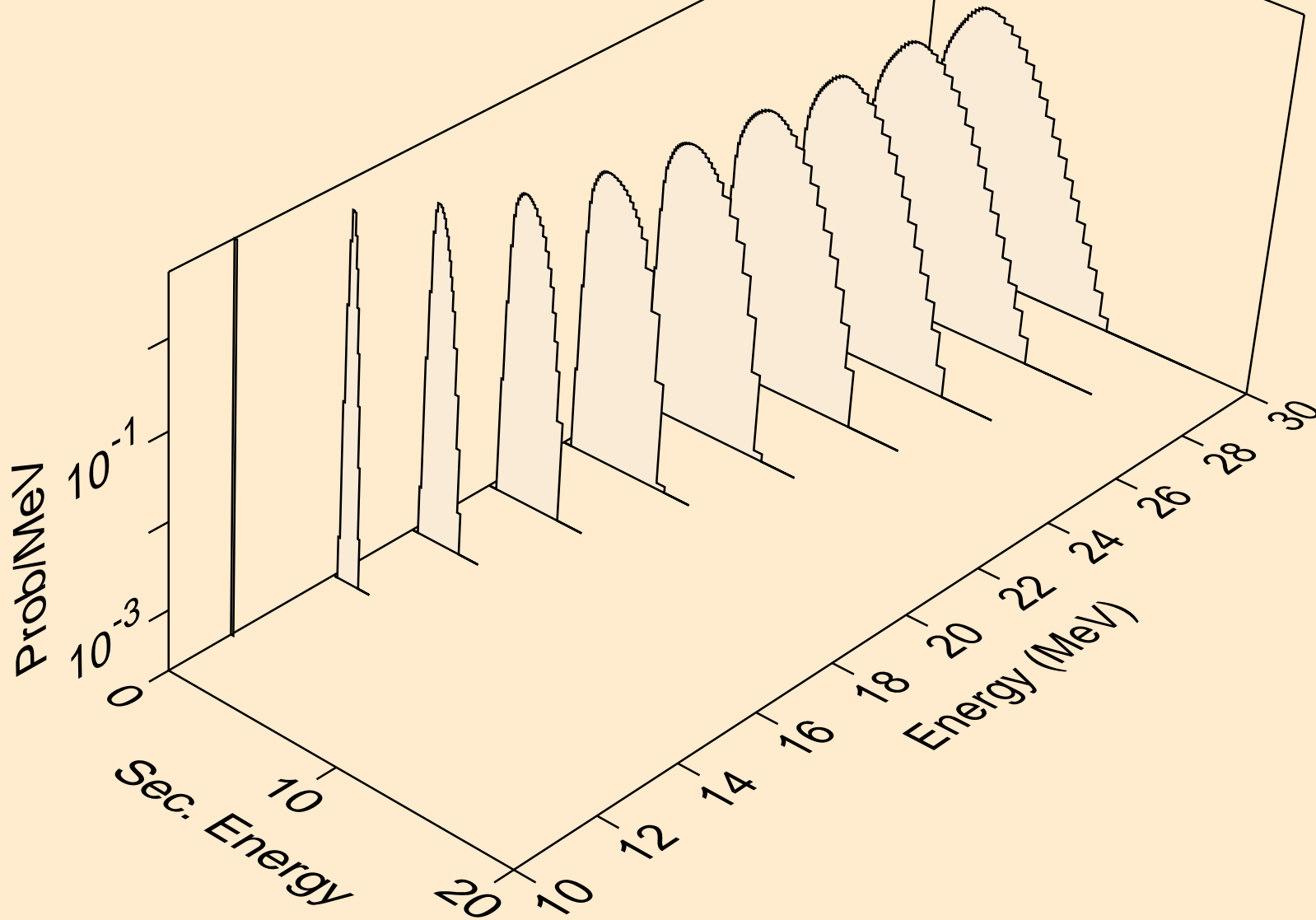
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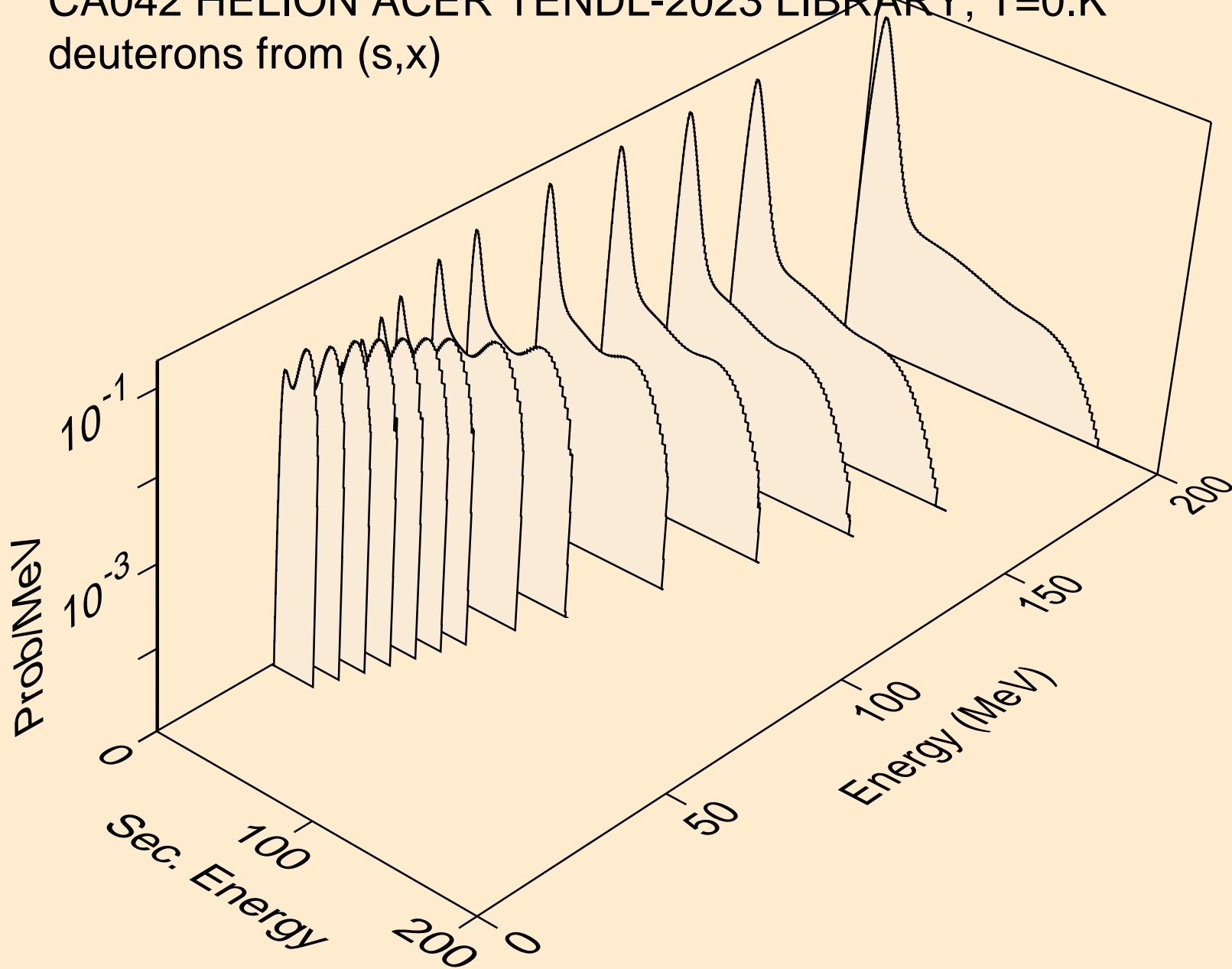
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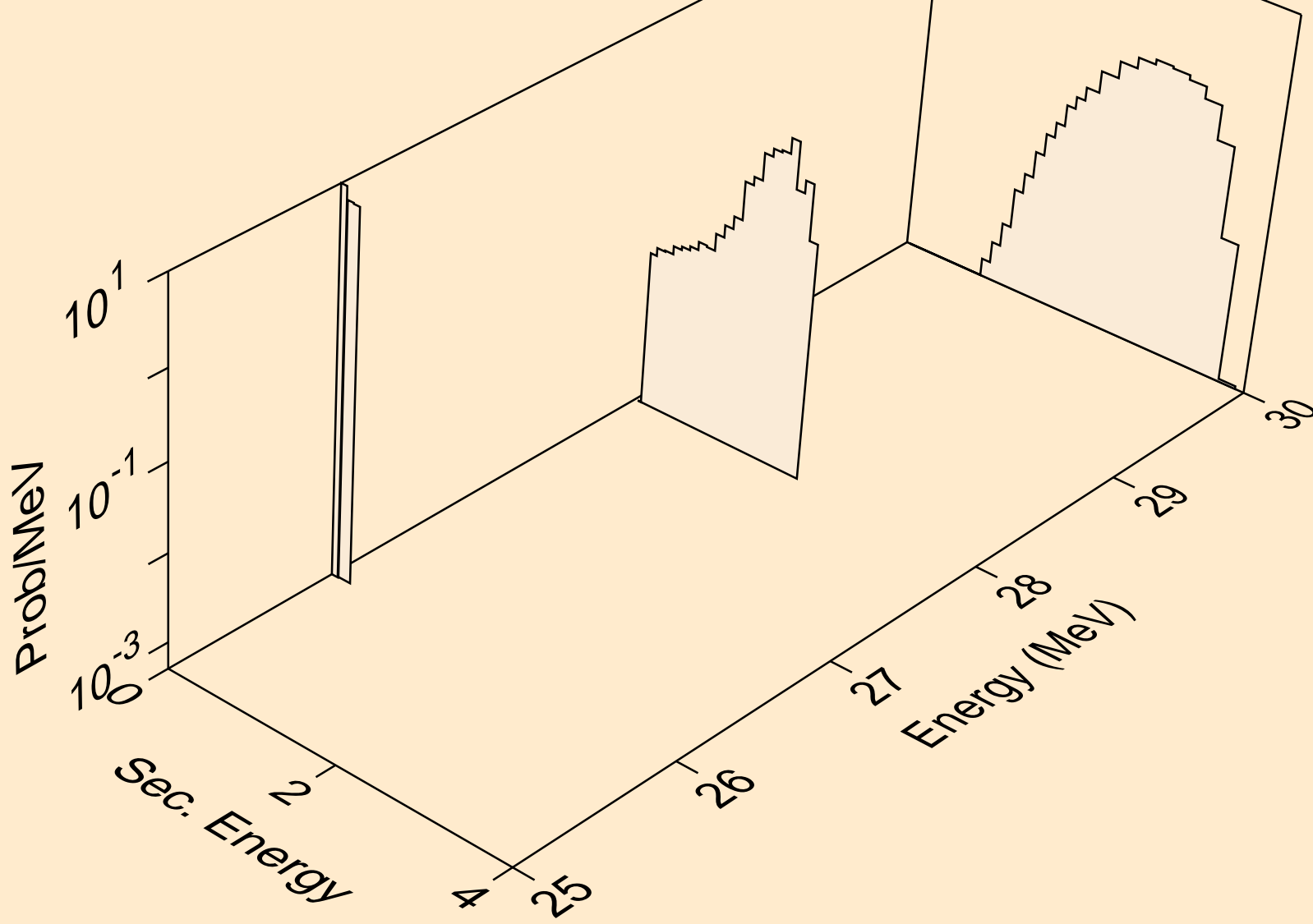
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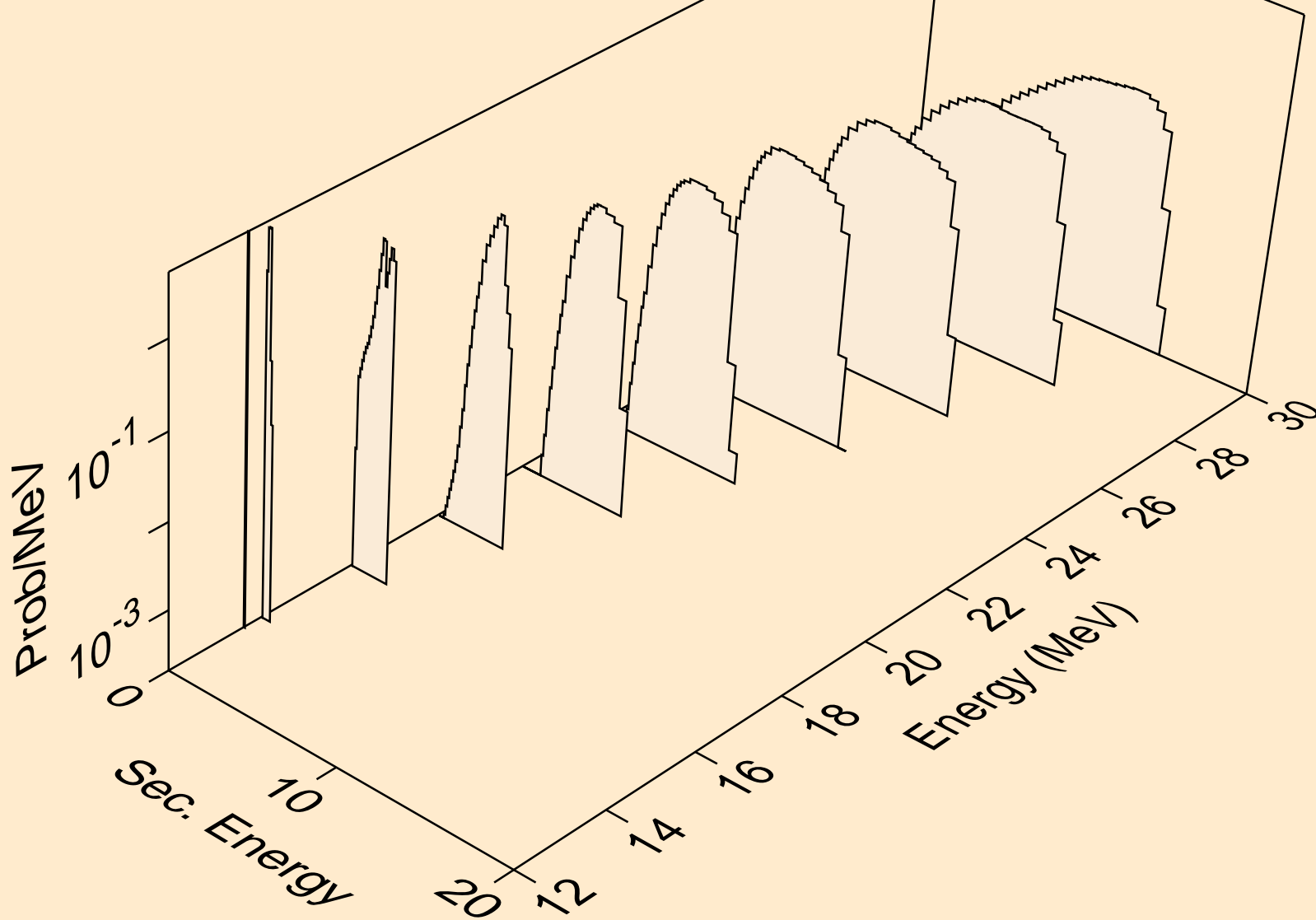
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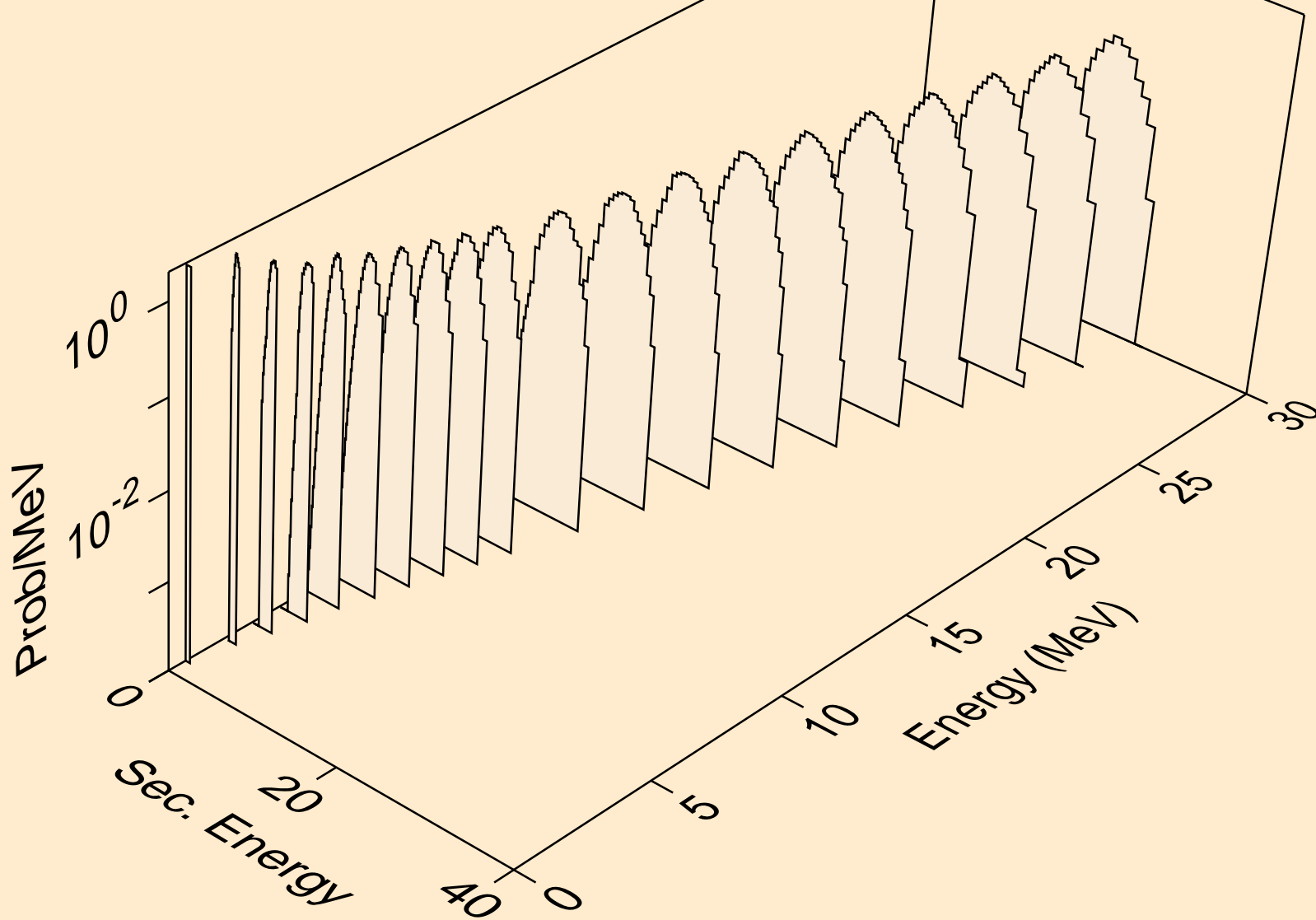
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CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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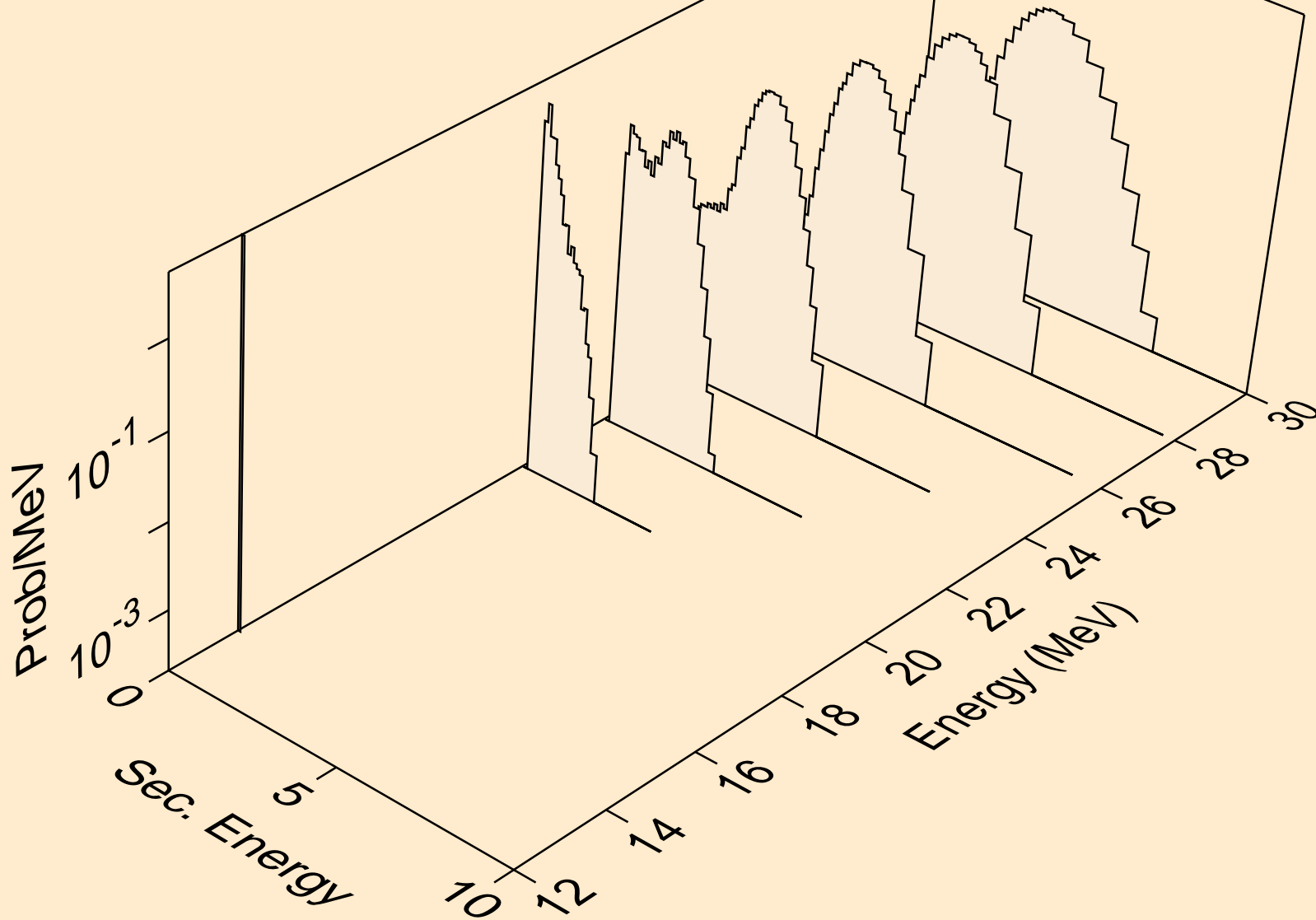


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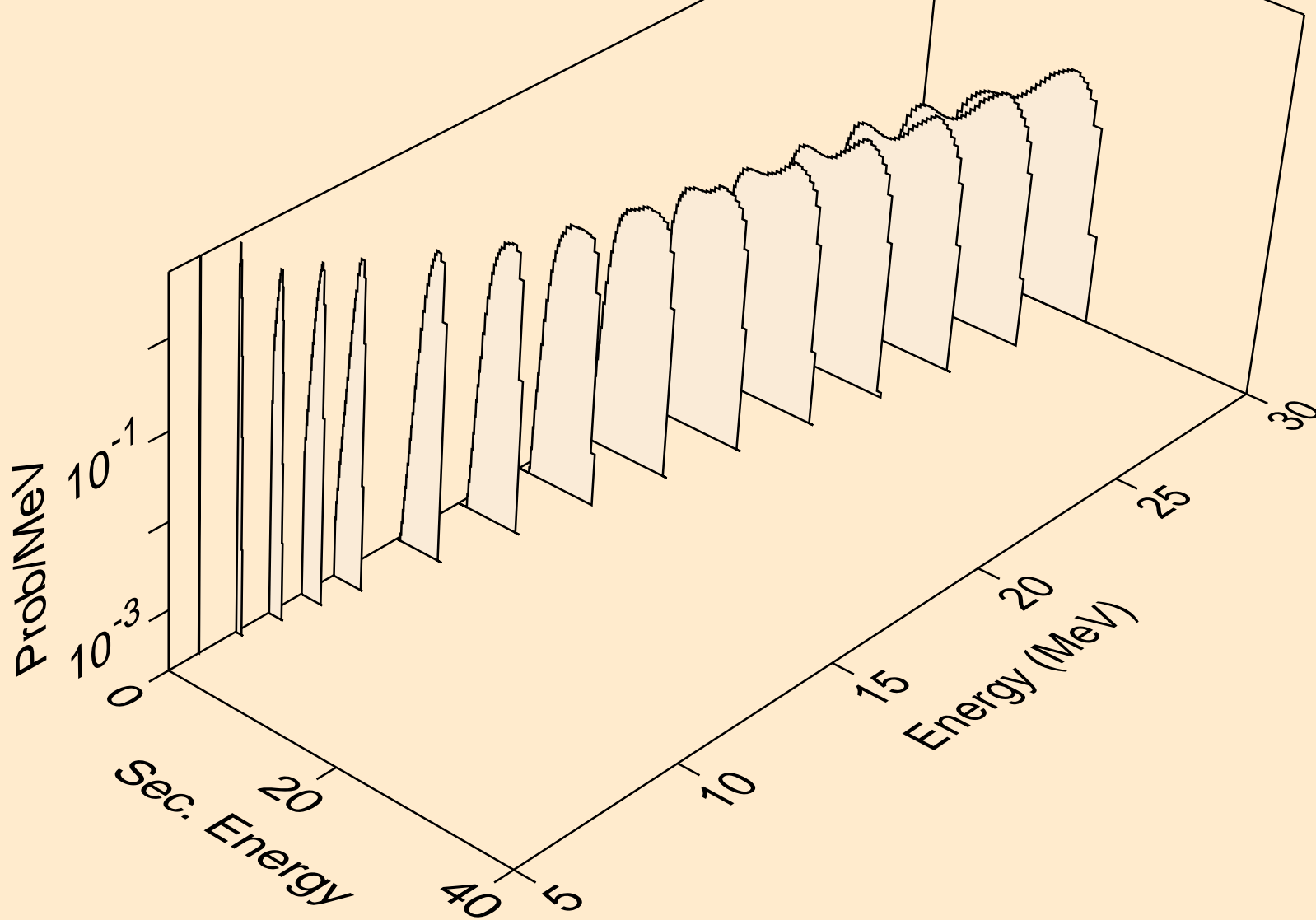




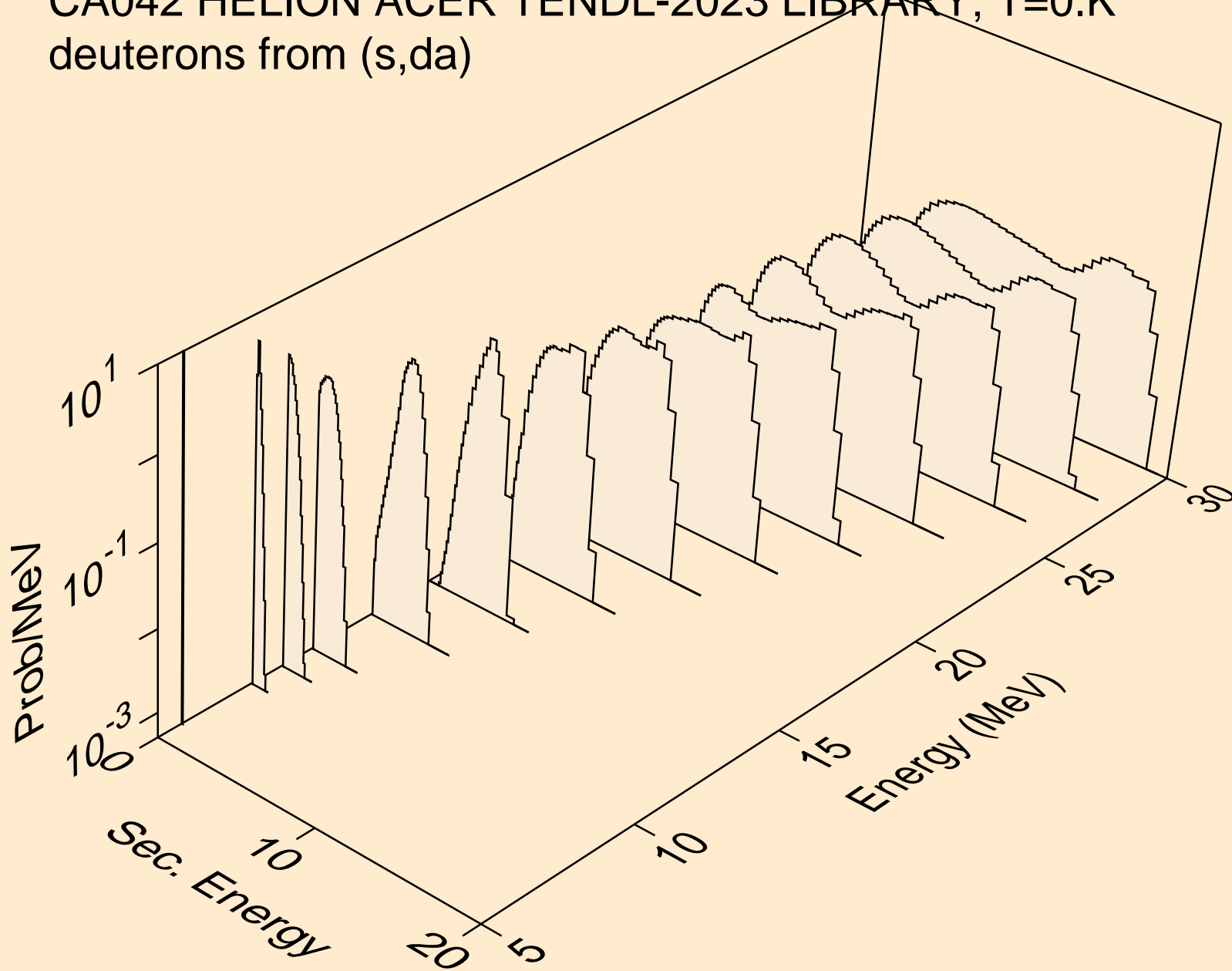
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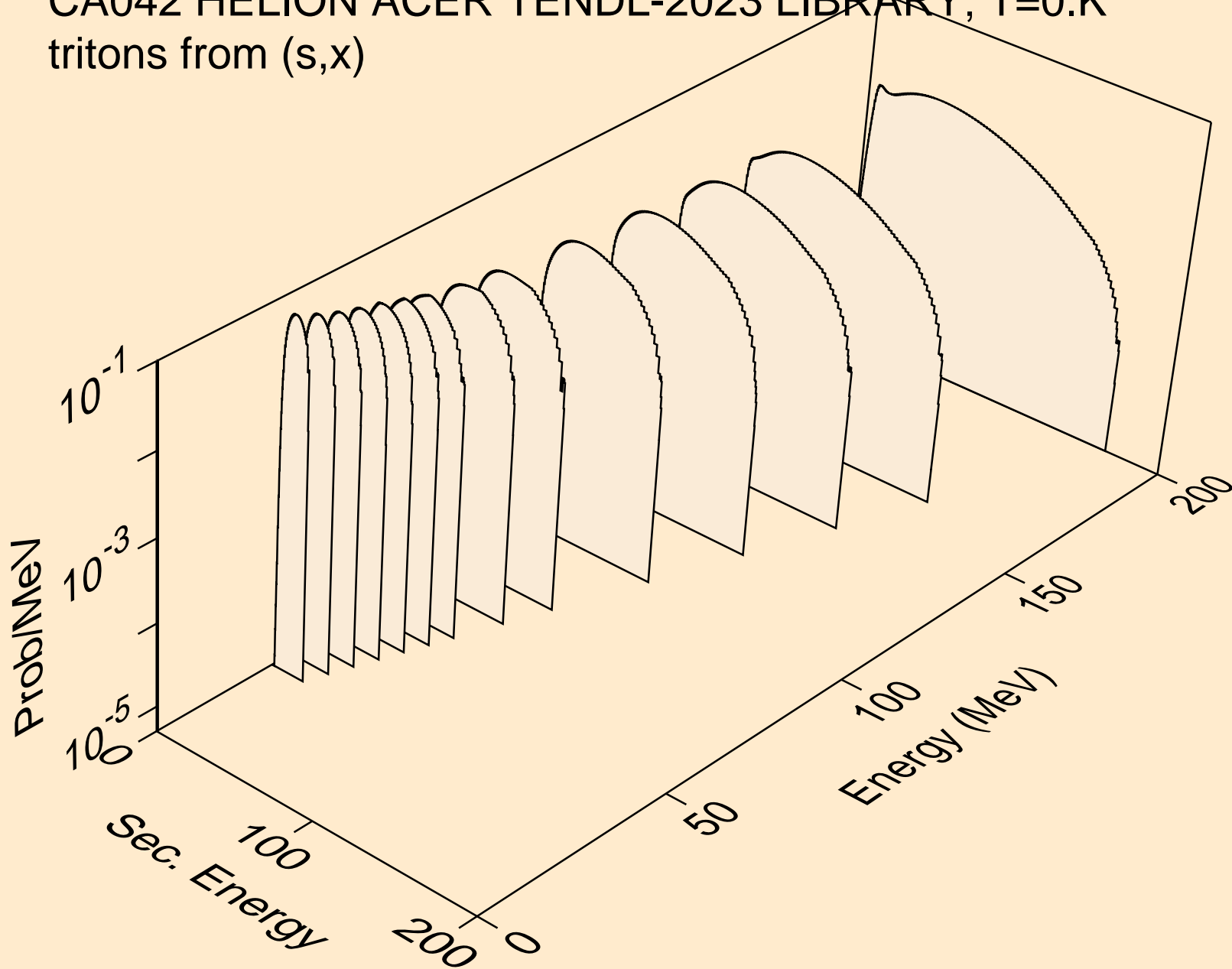
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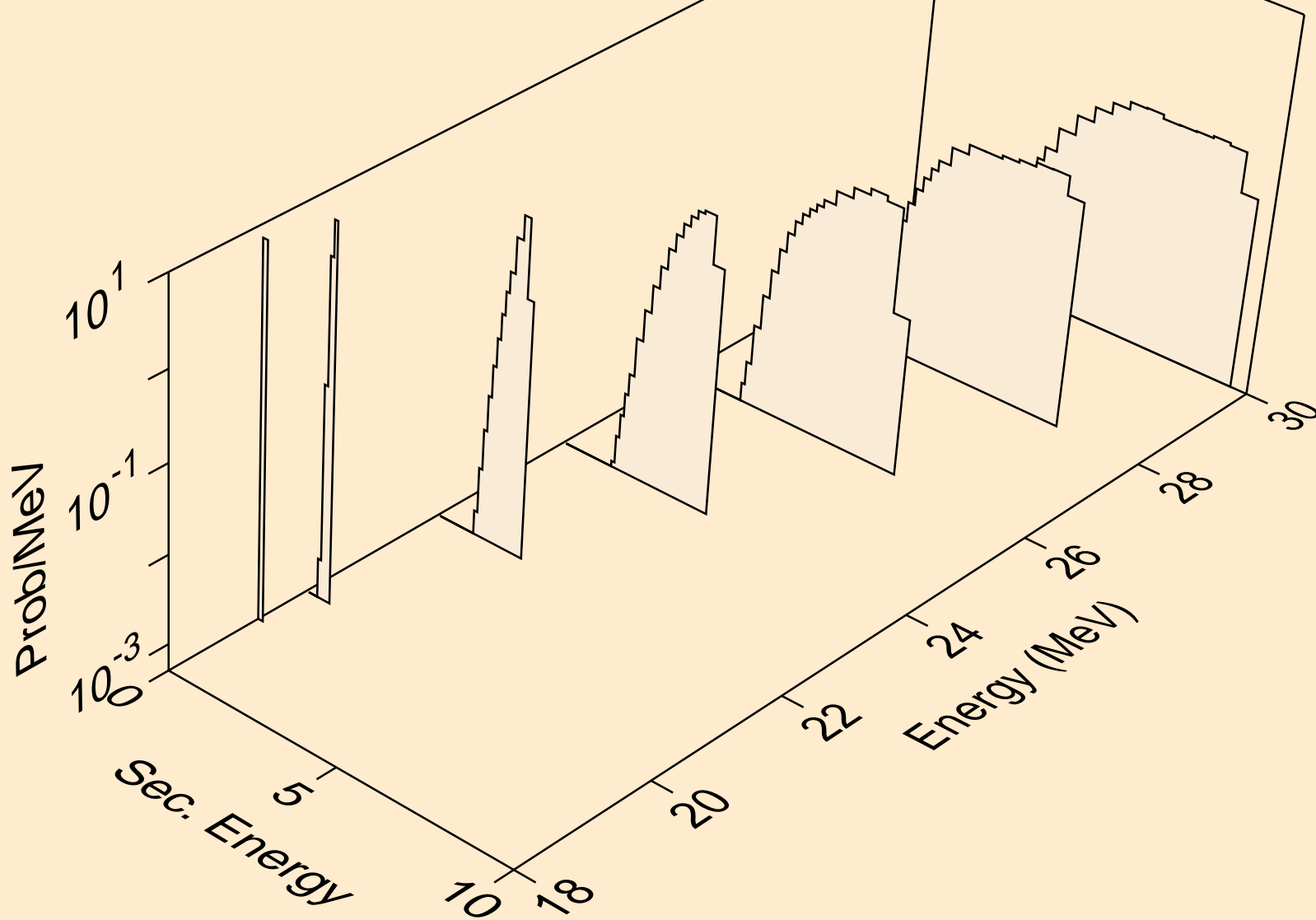
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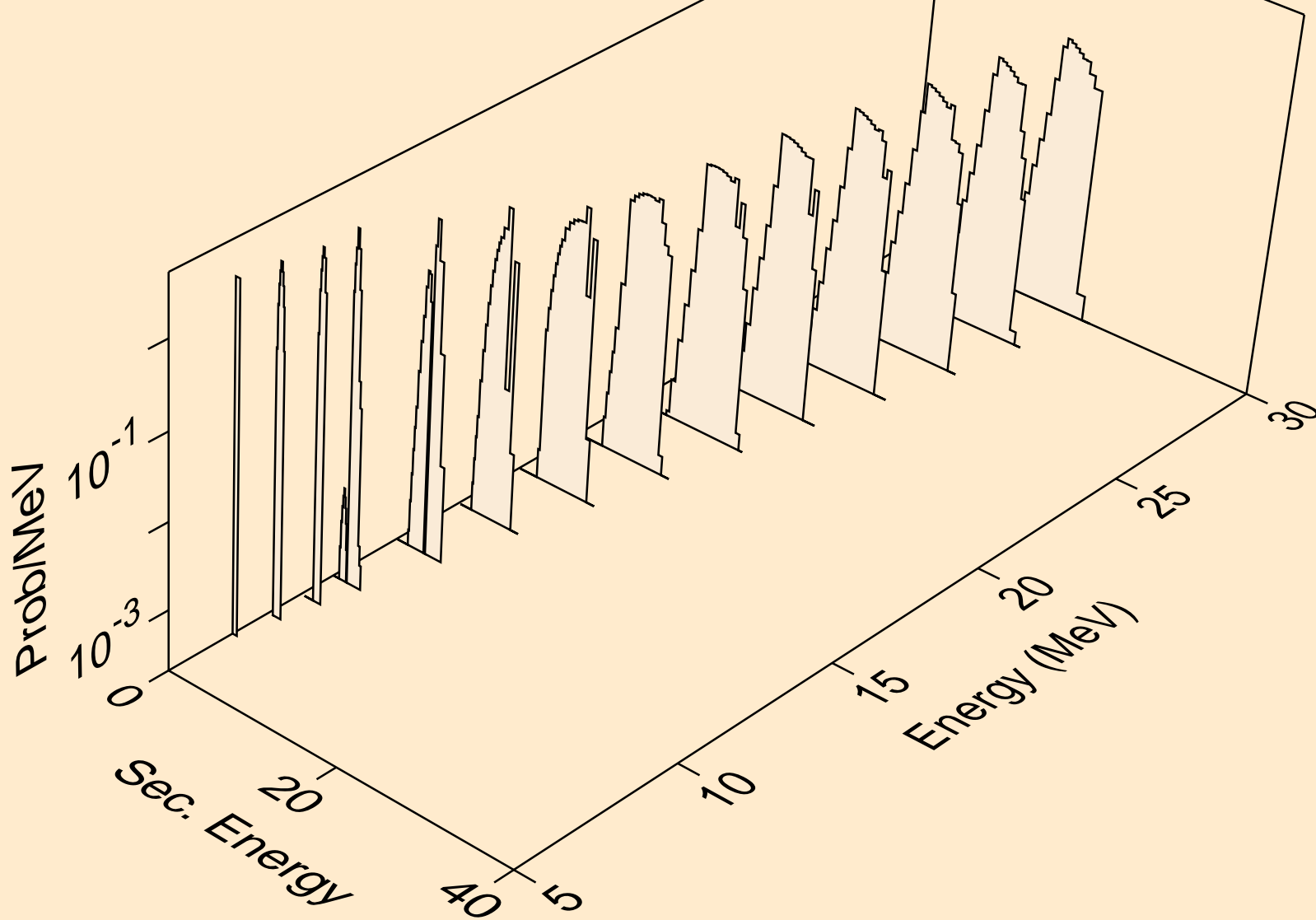
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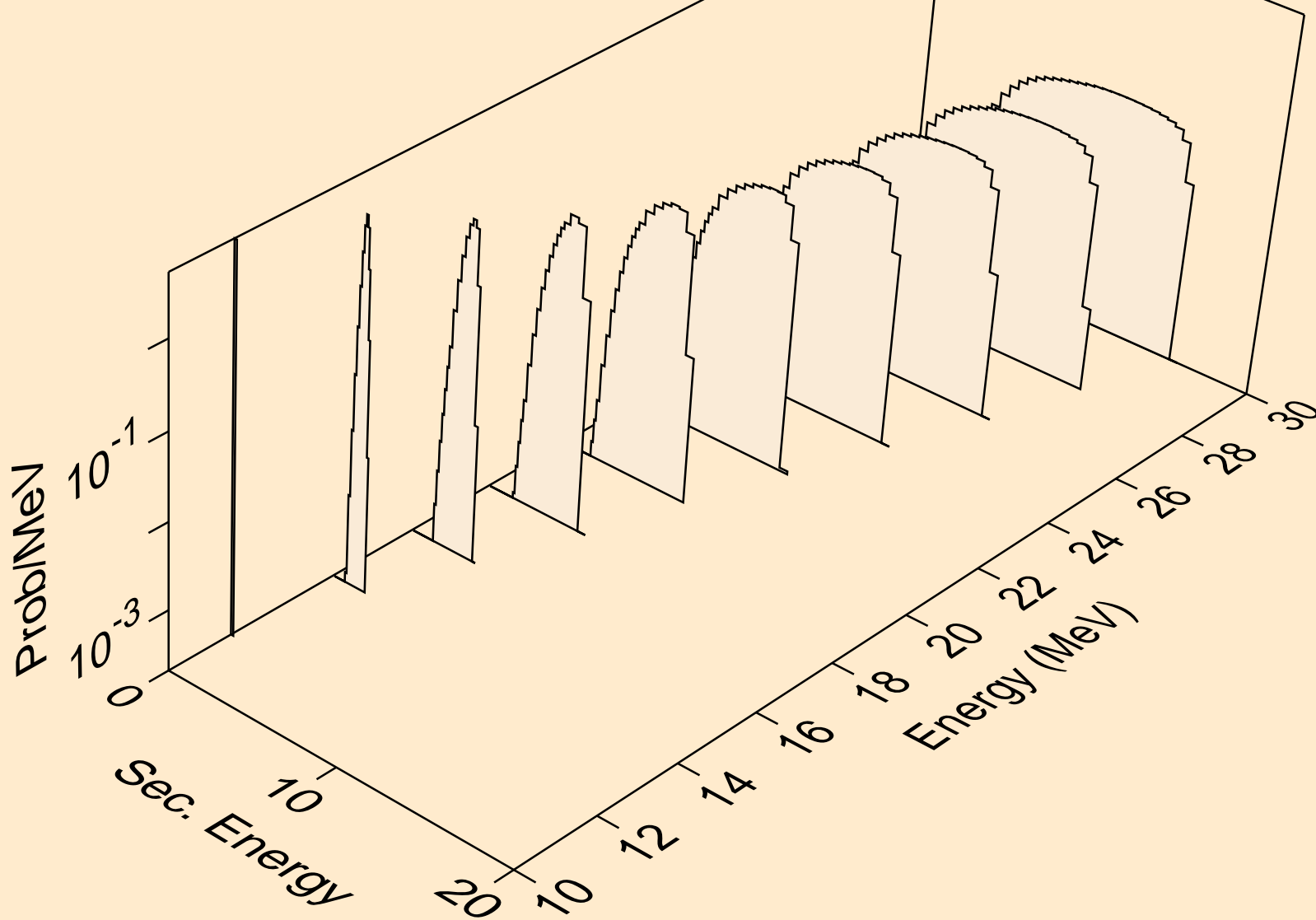
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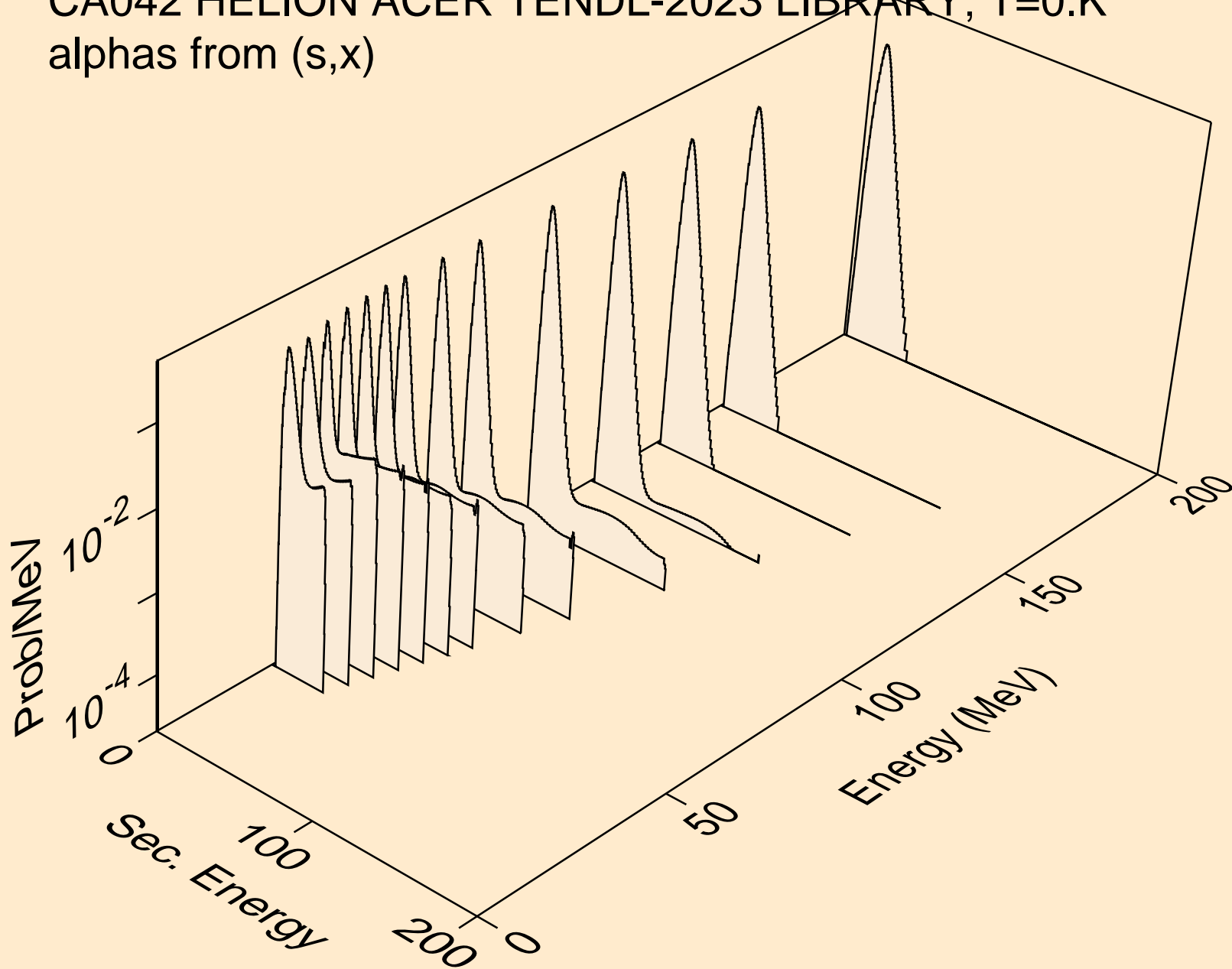
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tritons from (s,t)



CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,pt)

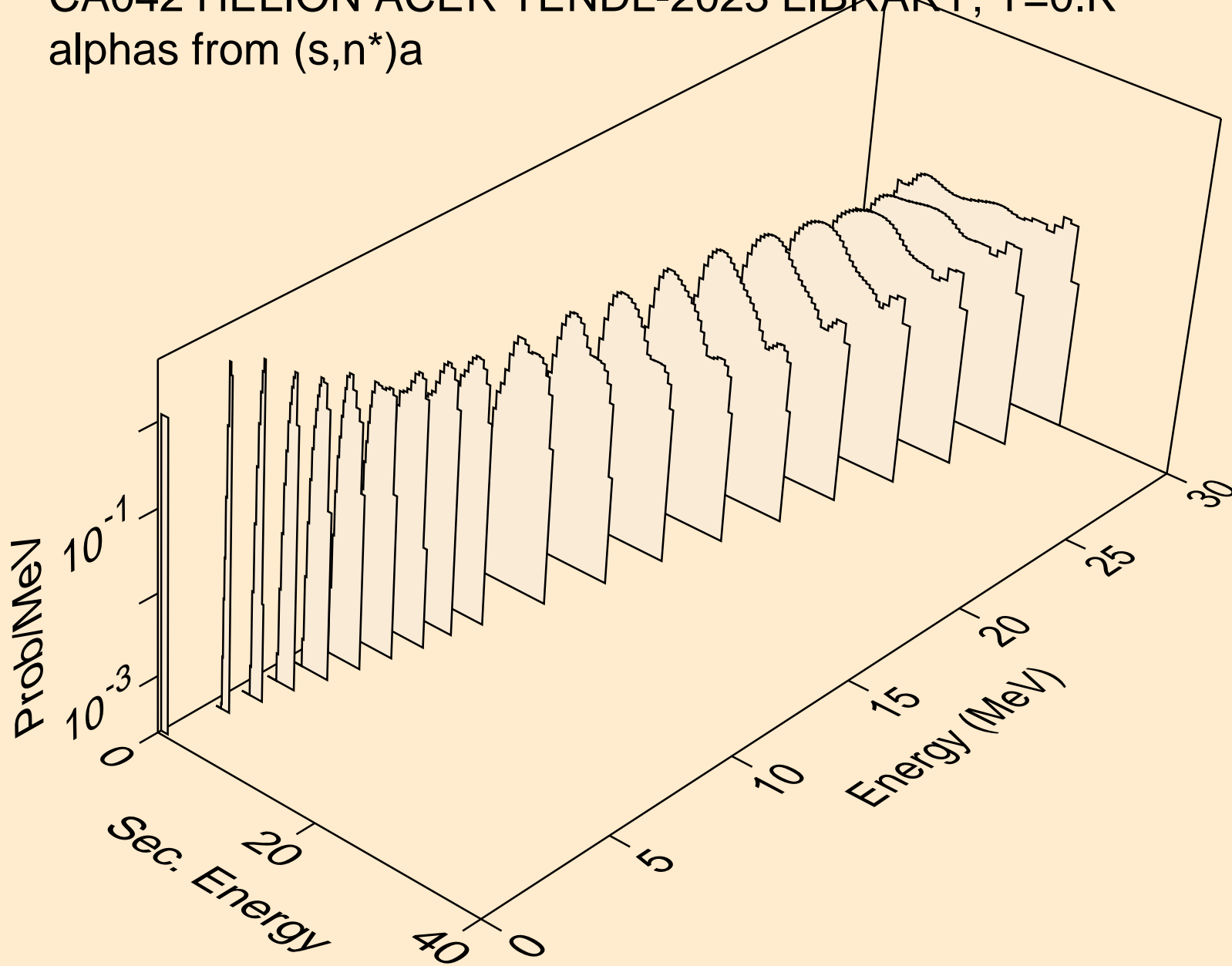


CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,x)

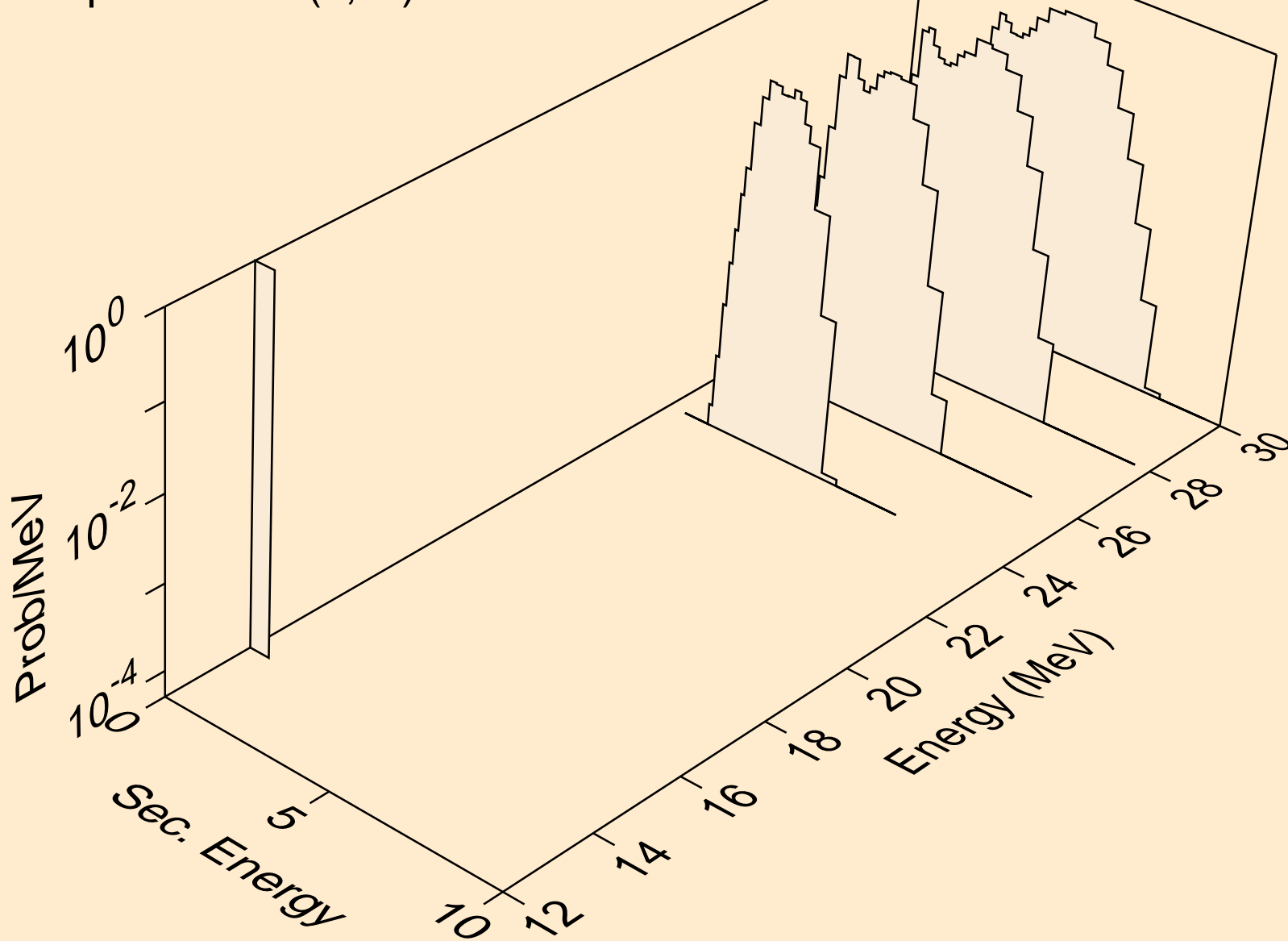




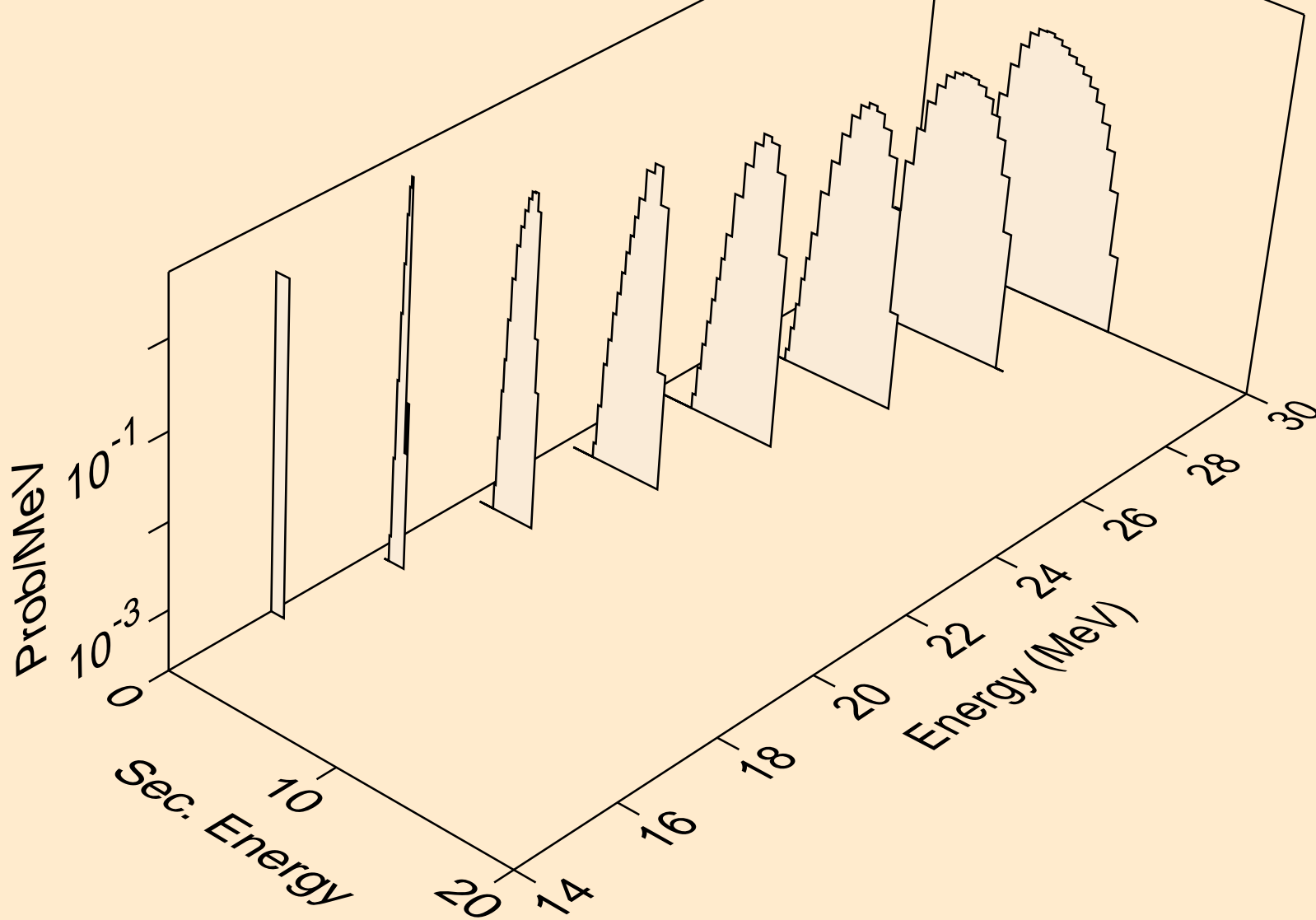
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alphas from (s,n\*)a



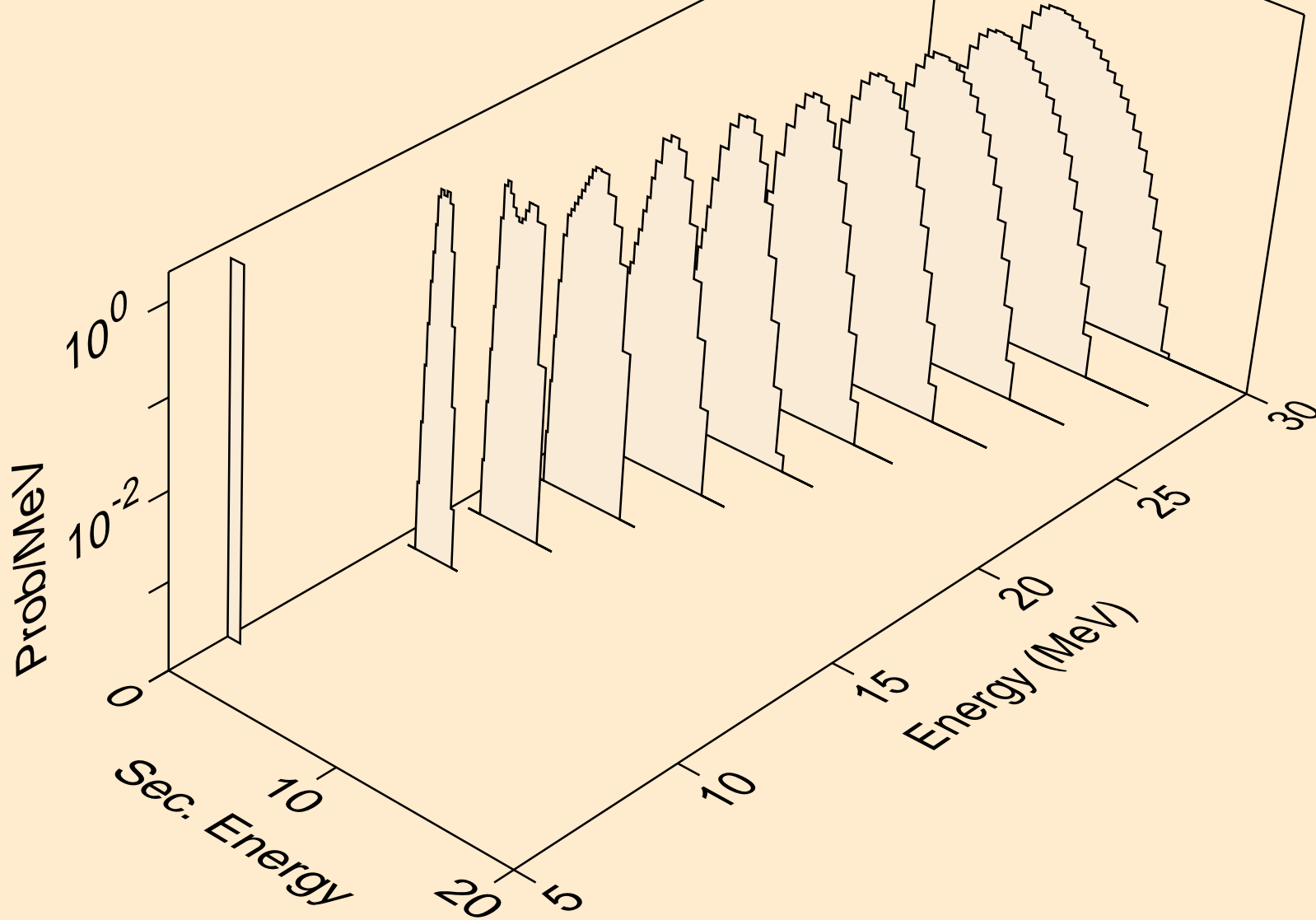
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alphas from (s,n\*)3a



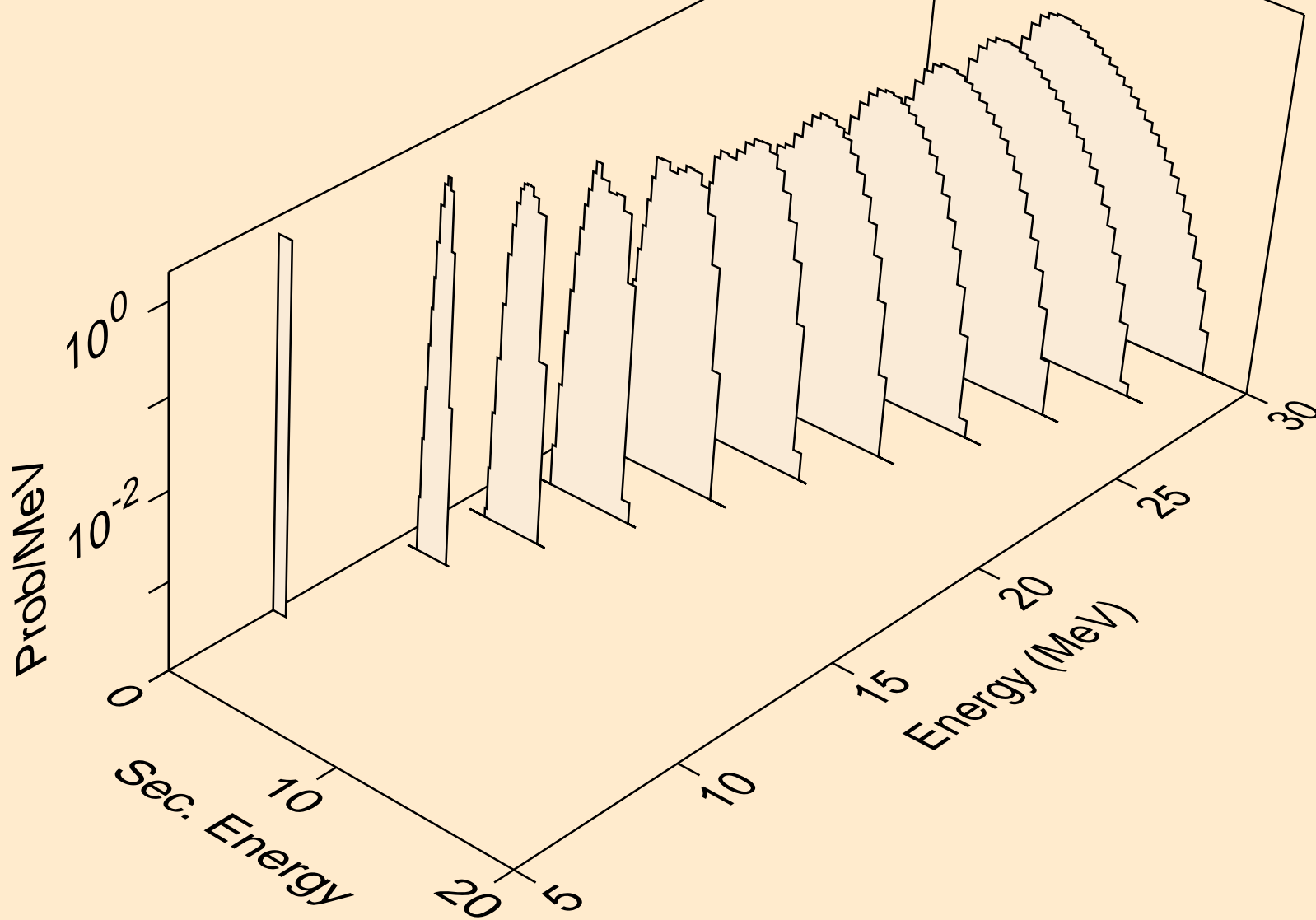
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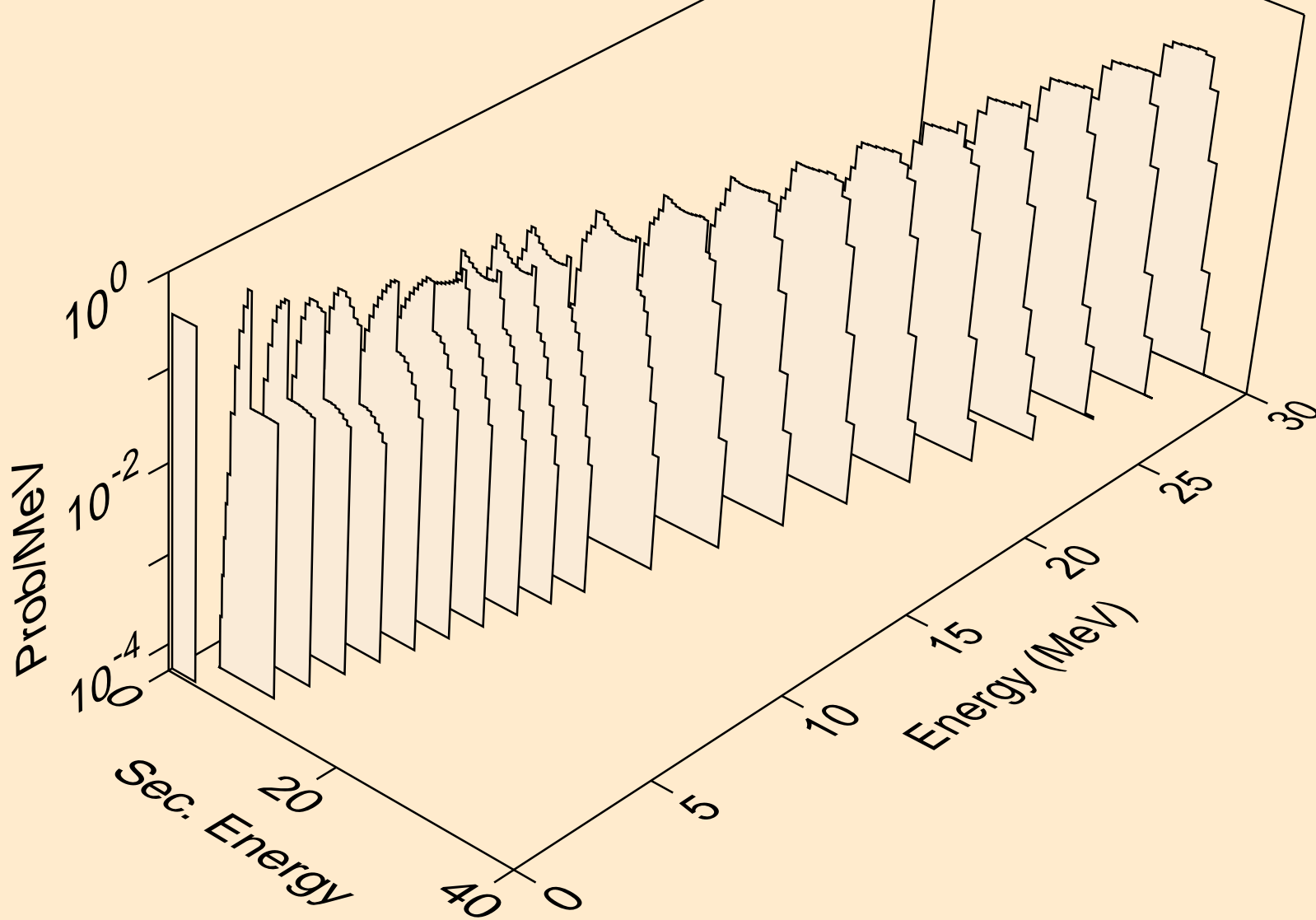
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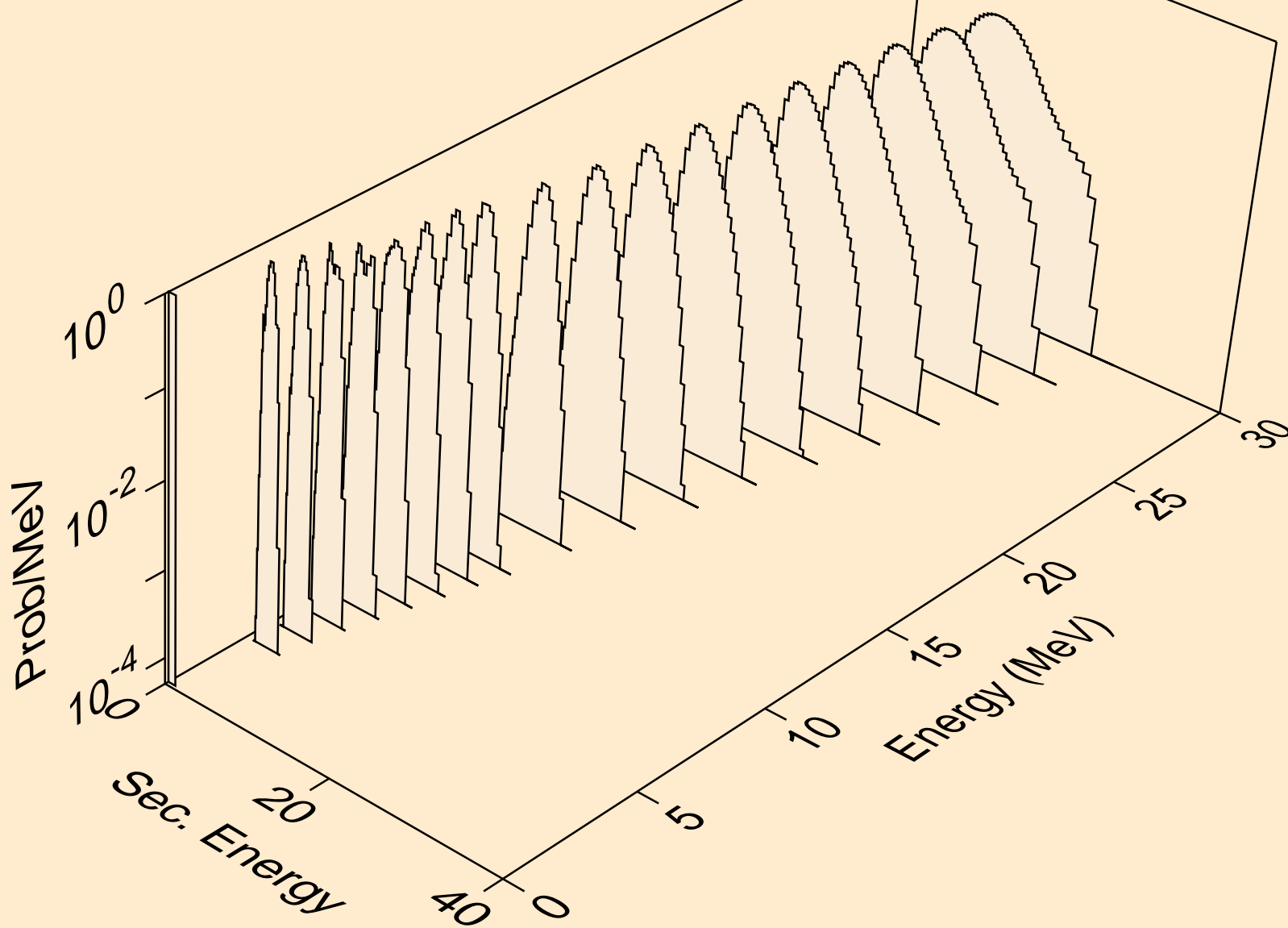
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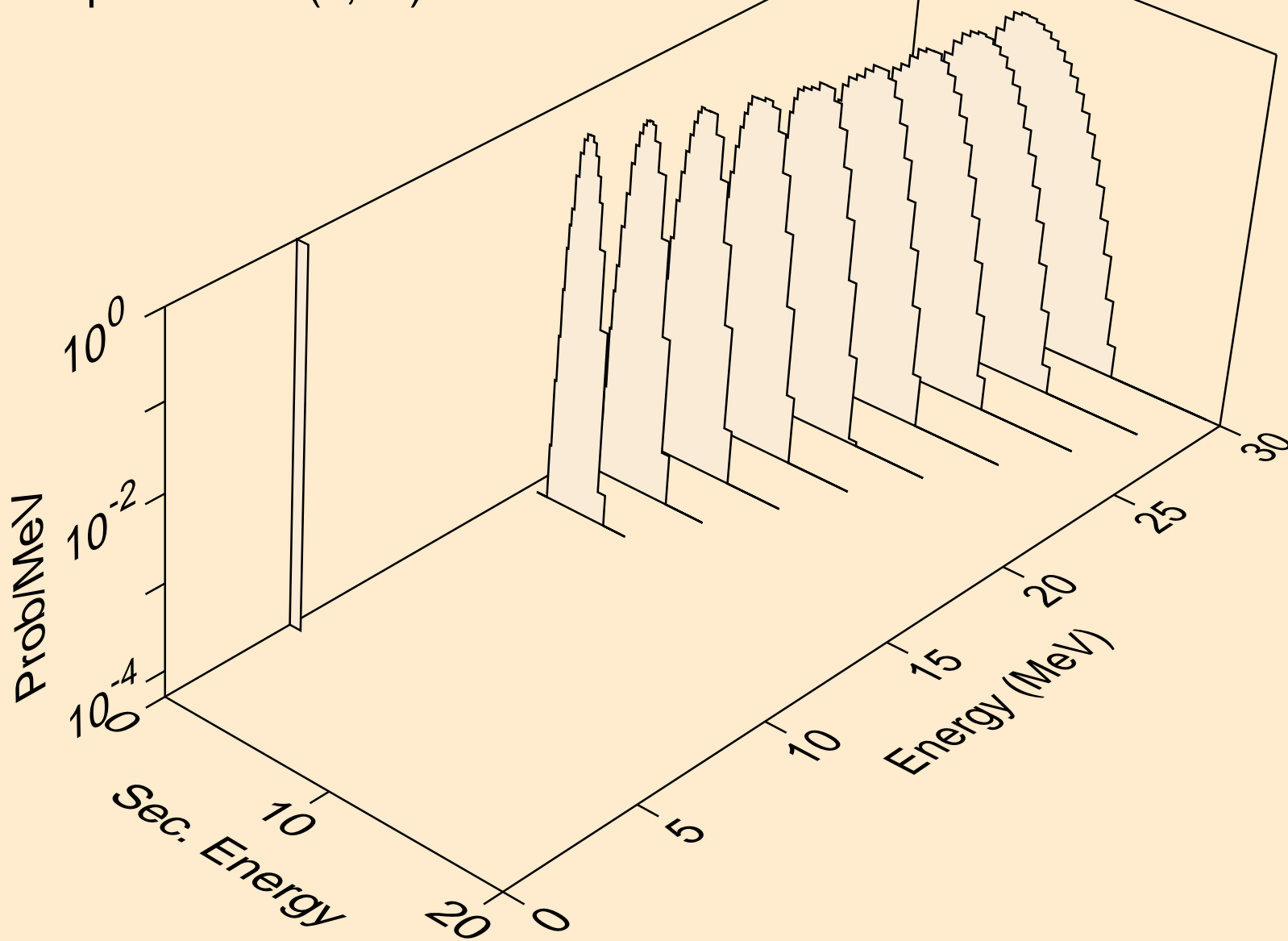
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alphas from (s,a)



CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)

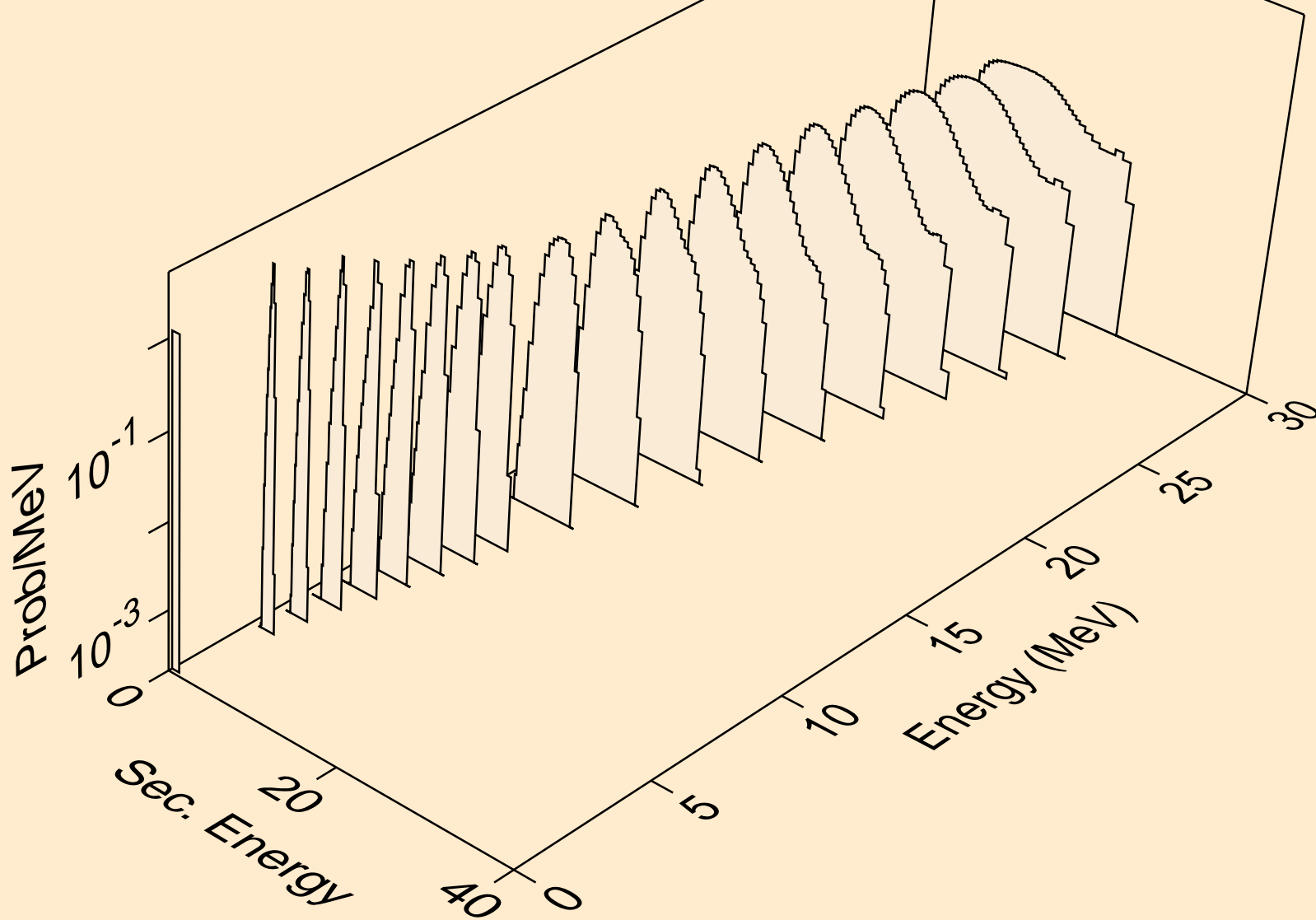


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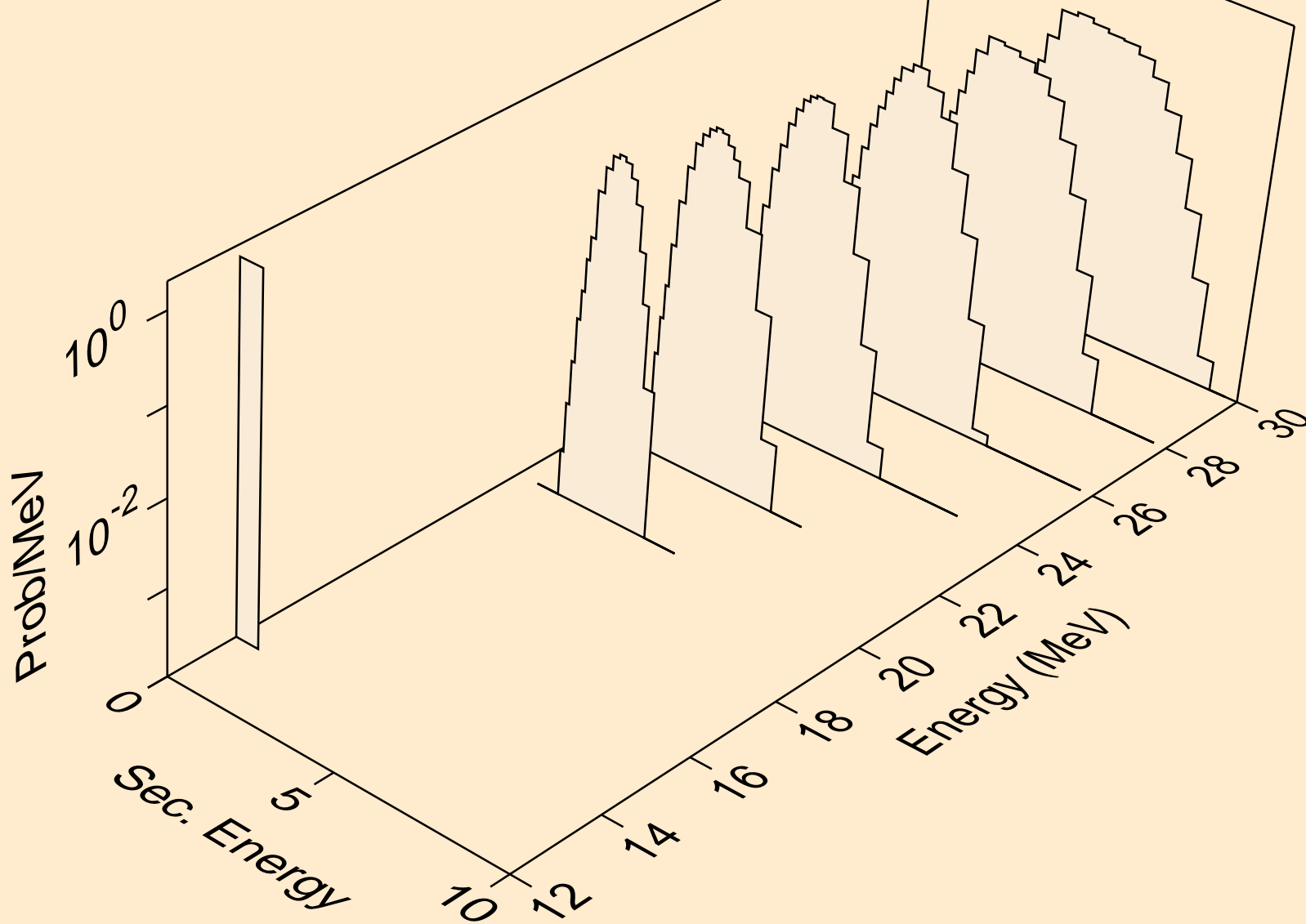




CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,d2a)



CA042 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

