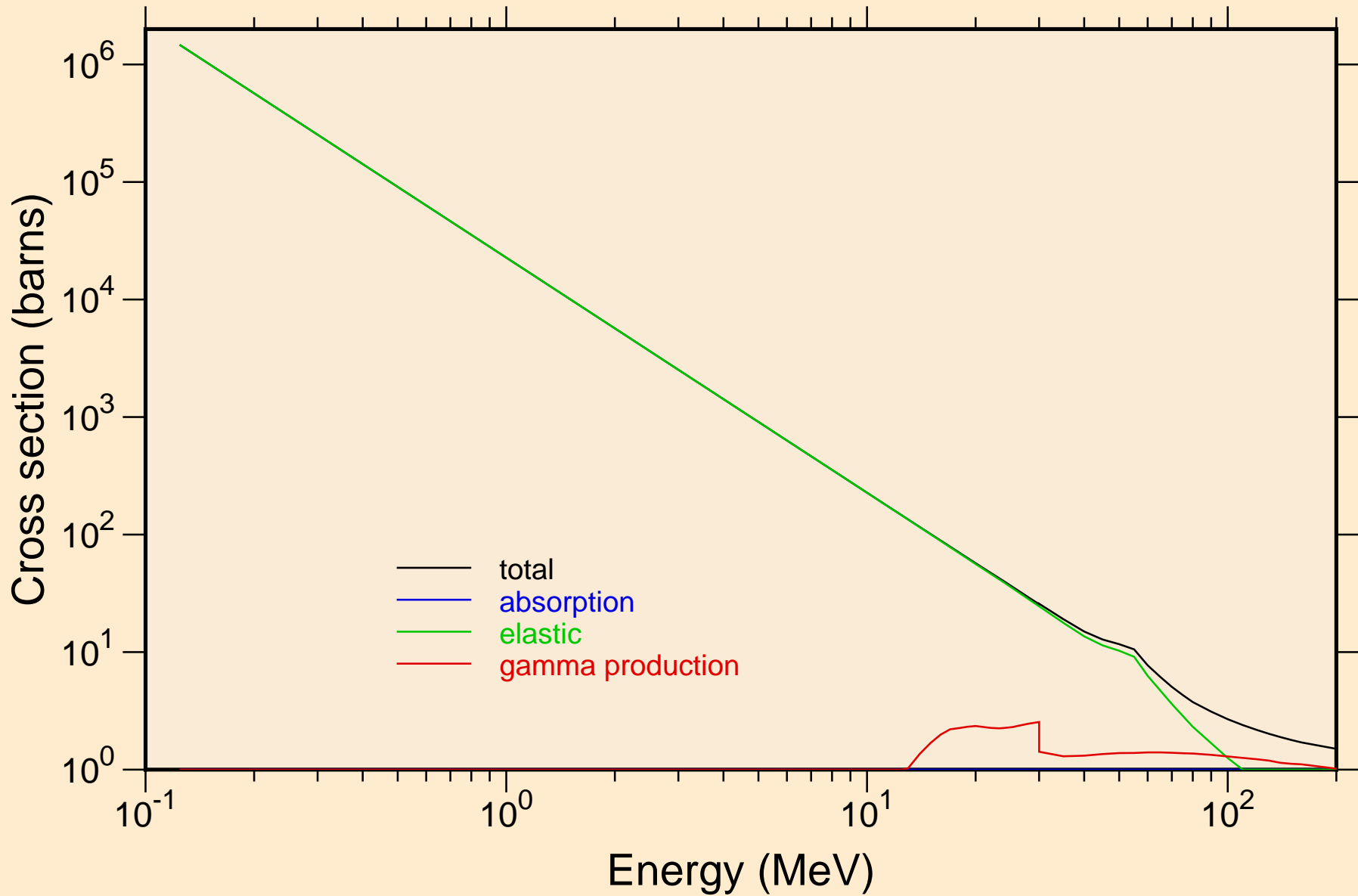
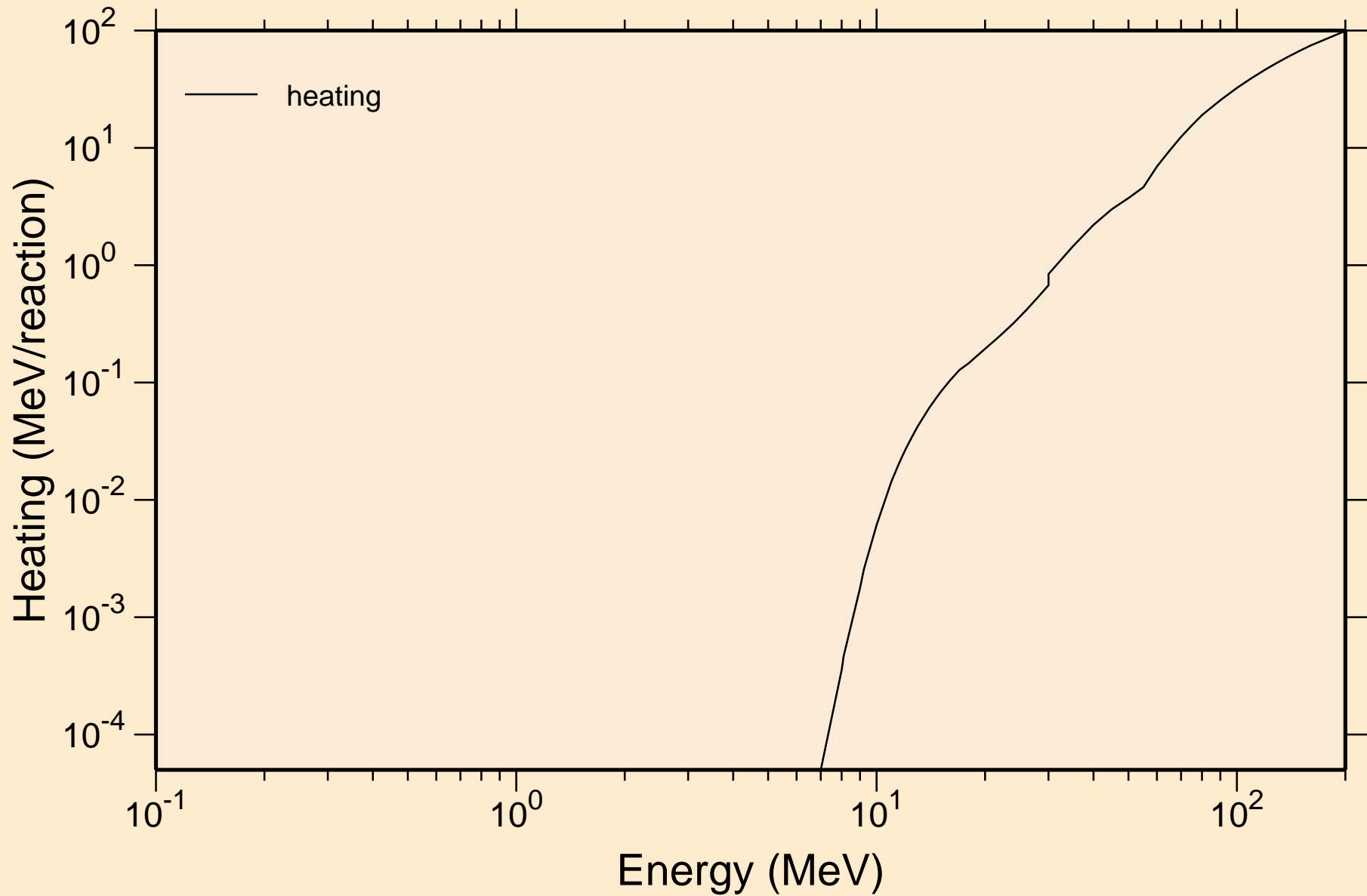


CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



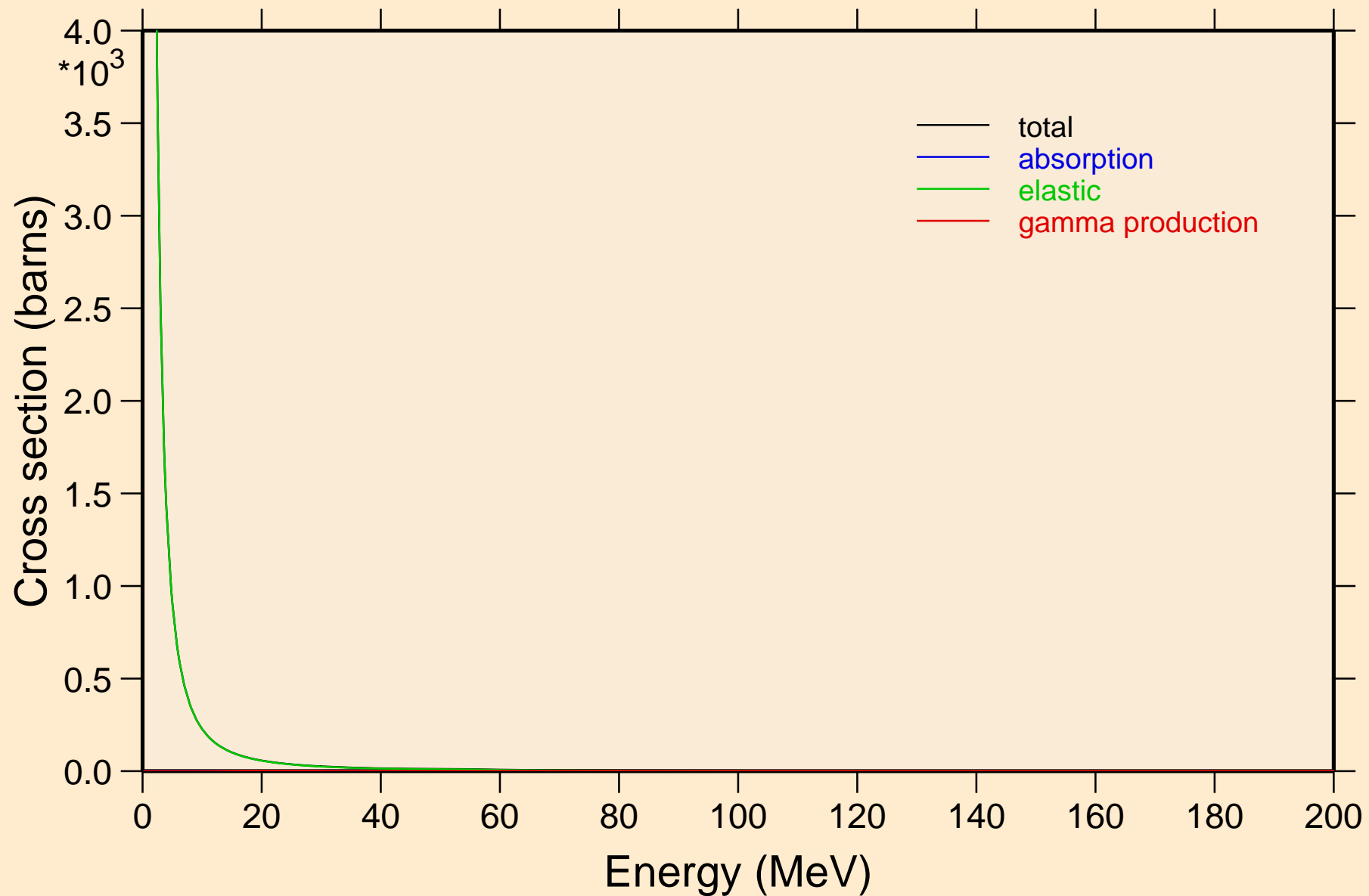
# CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Heating



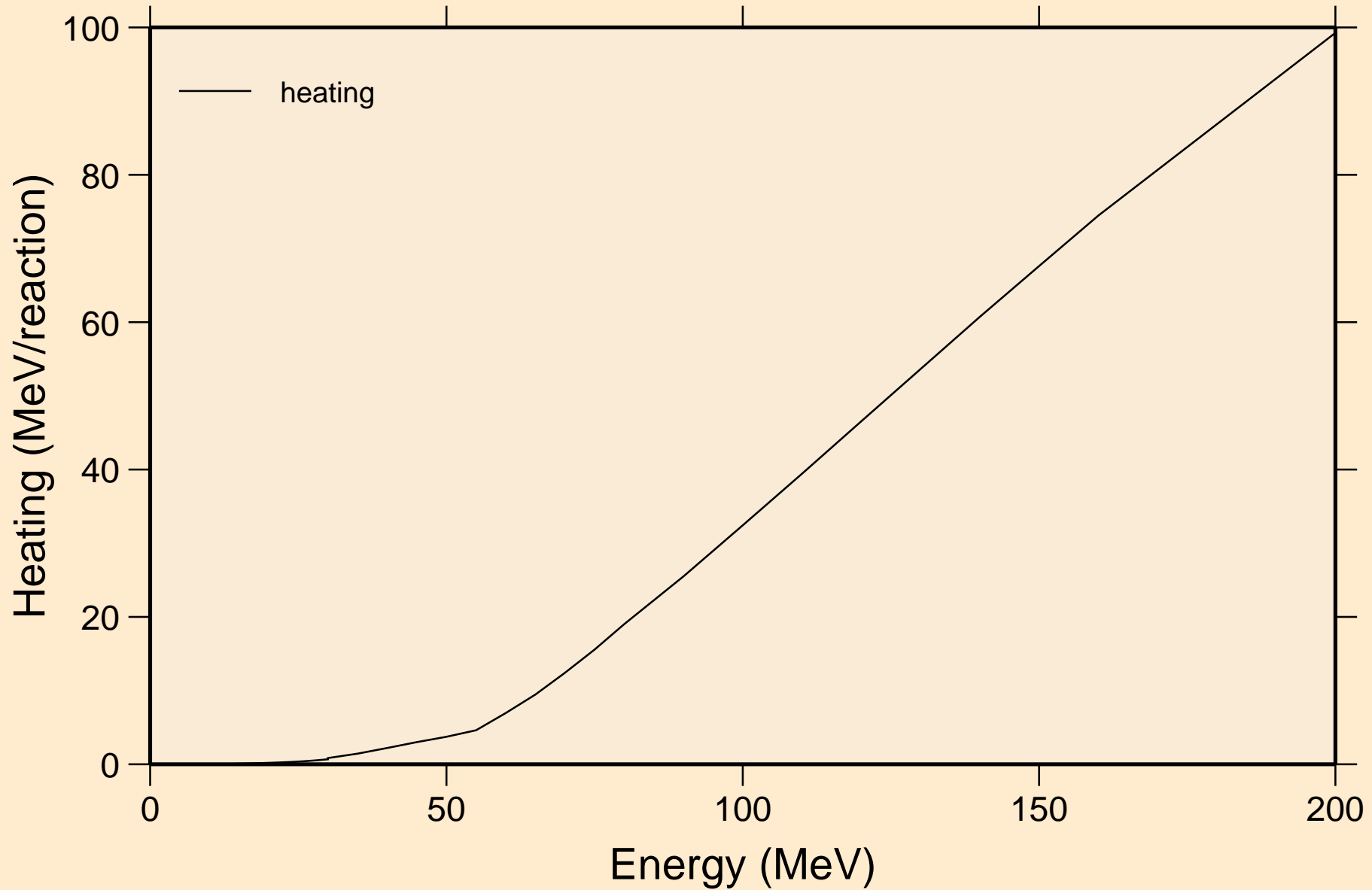
# CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



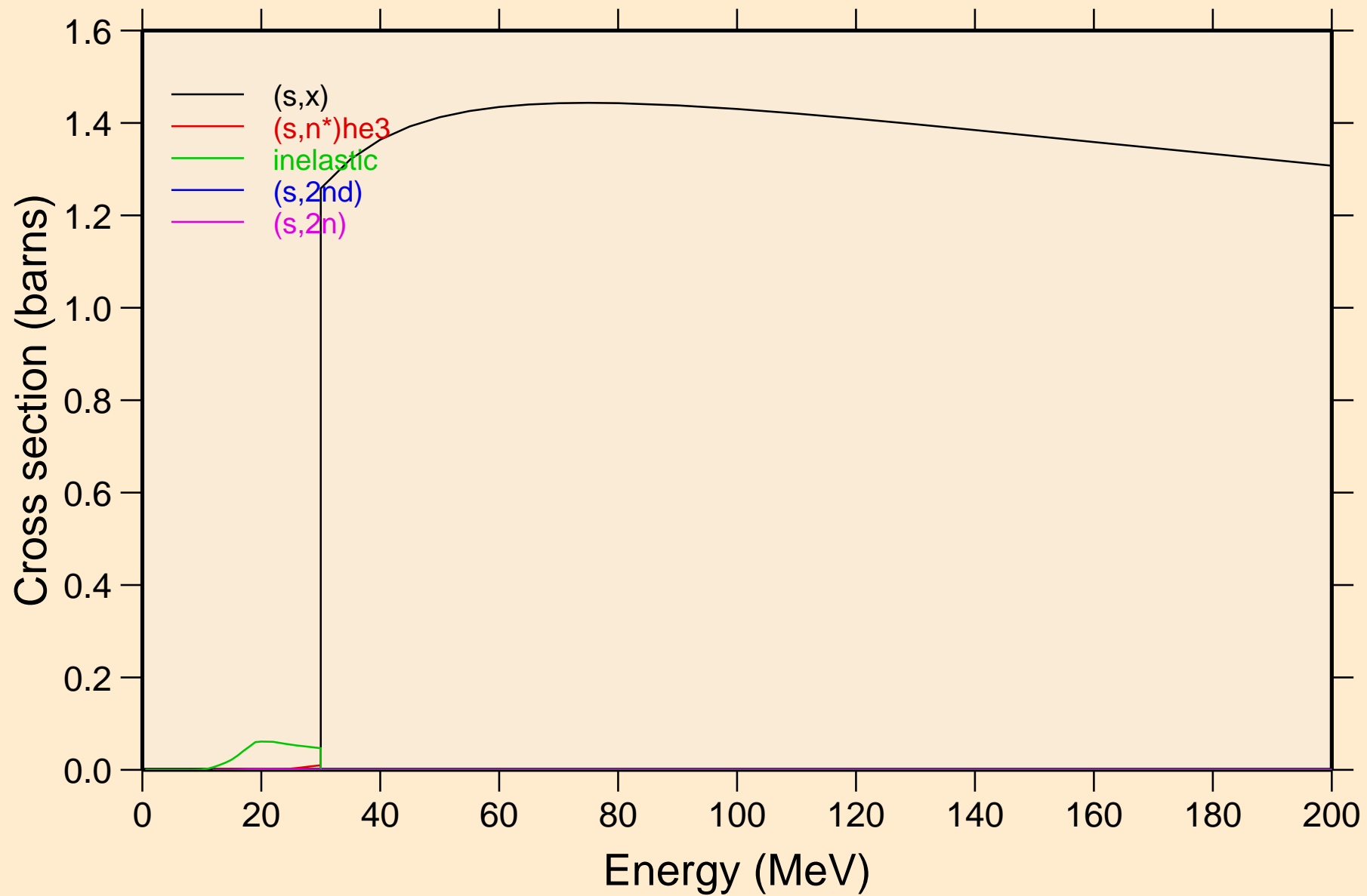
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K

Heating

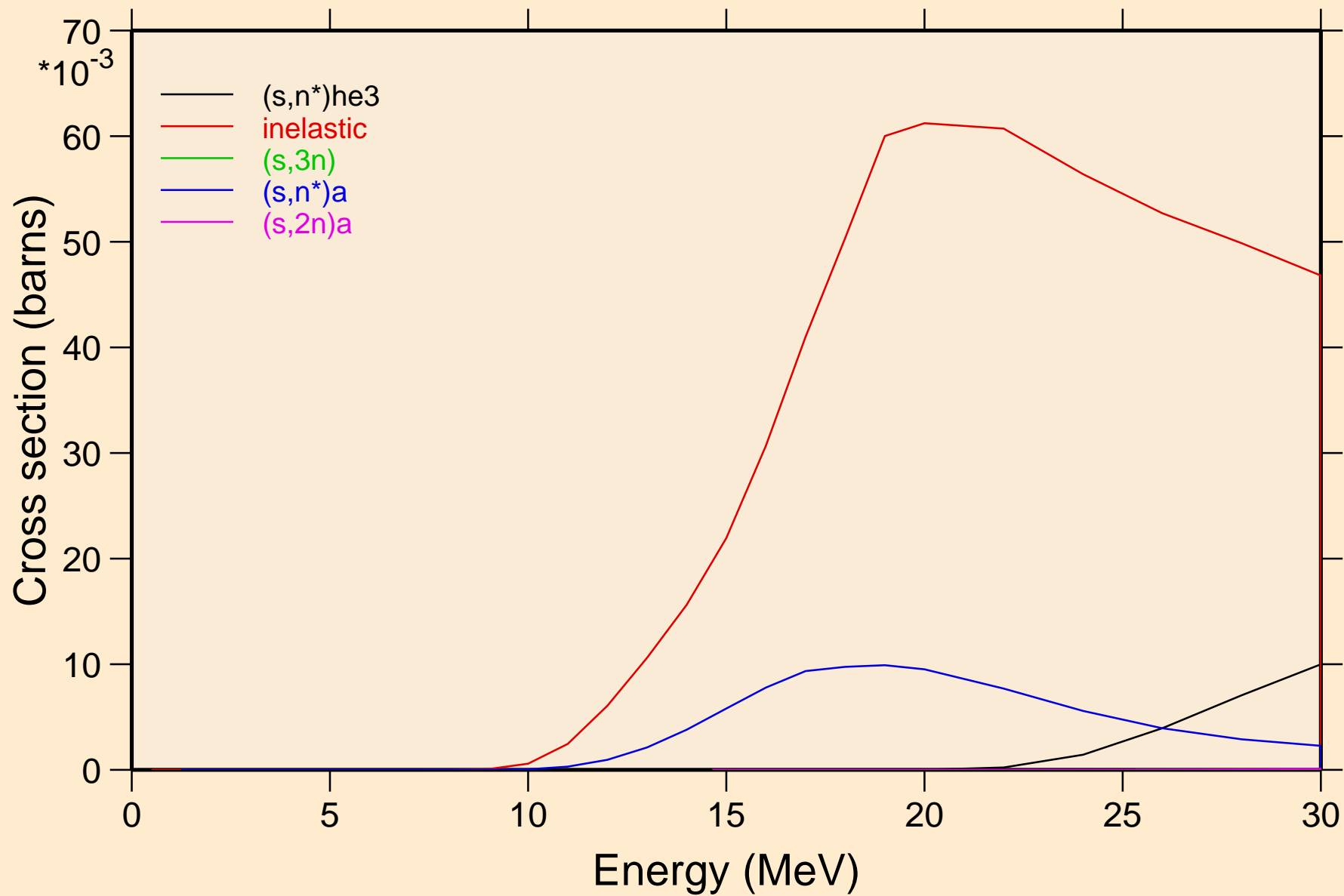


# CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K

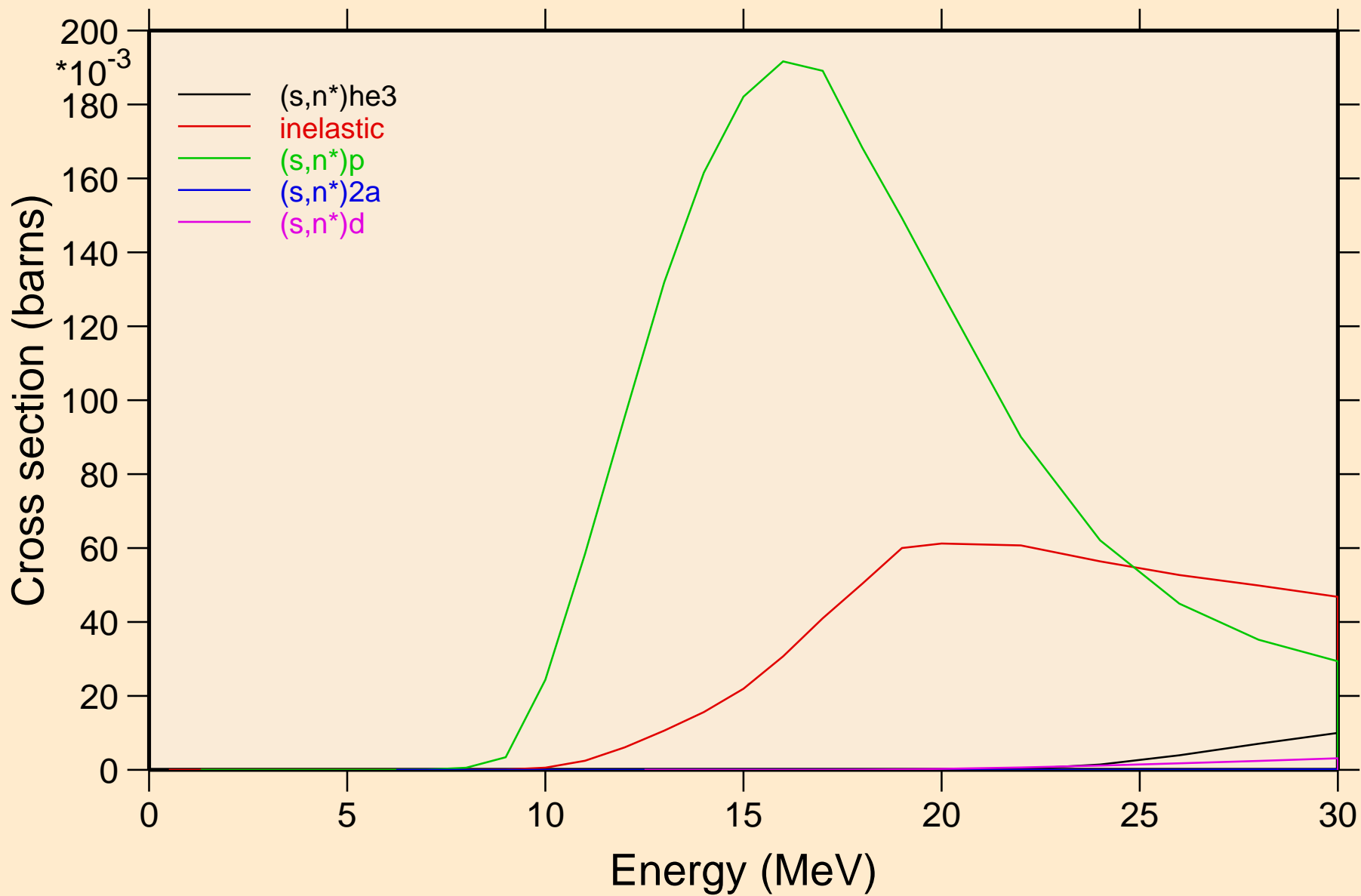
## Threshold reactions



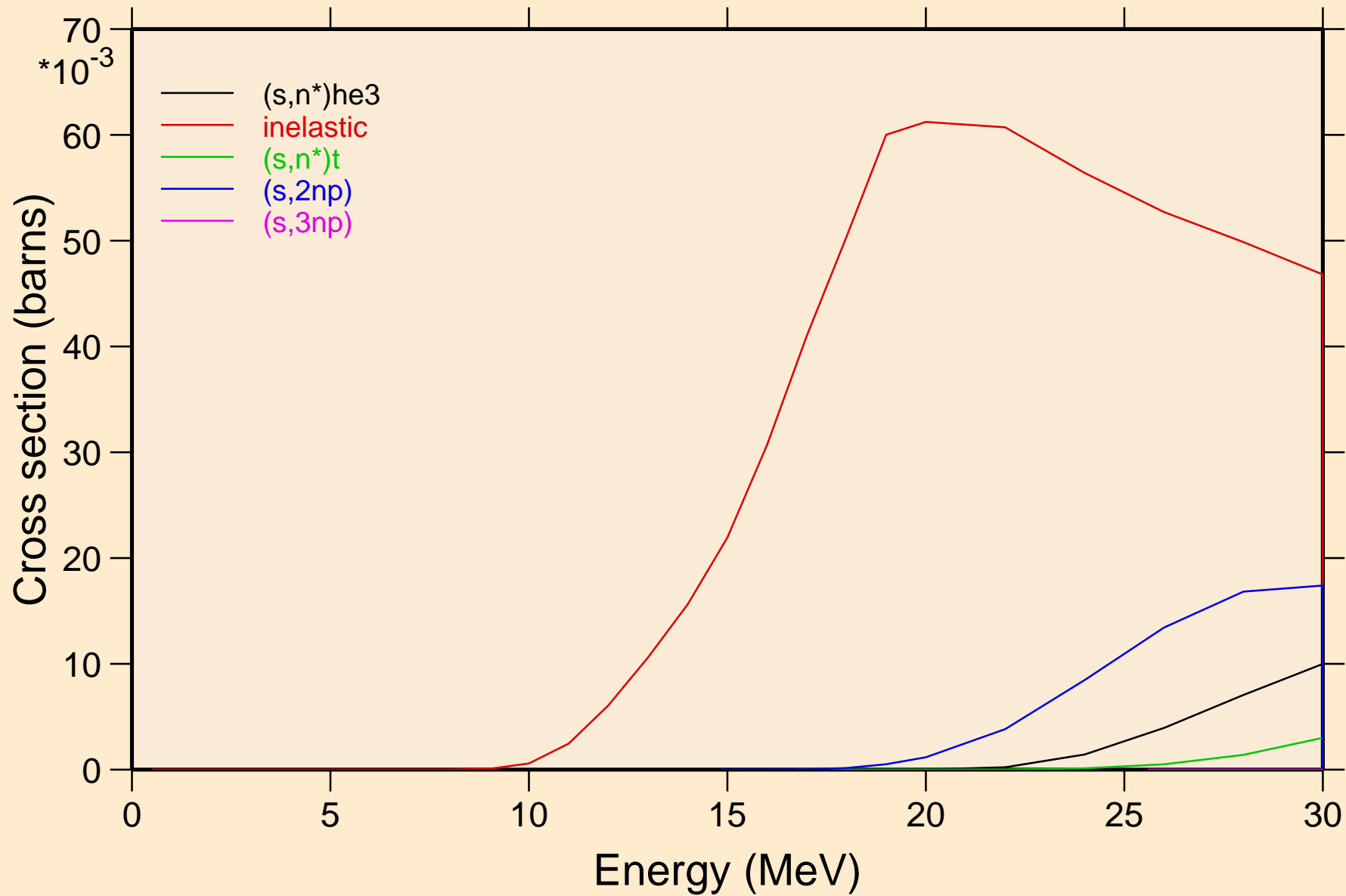
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

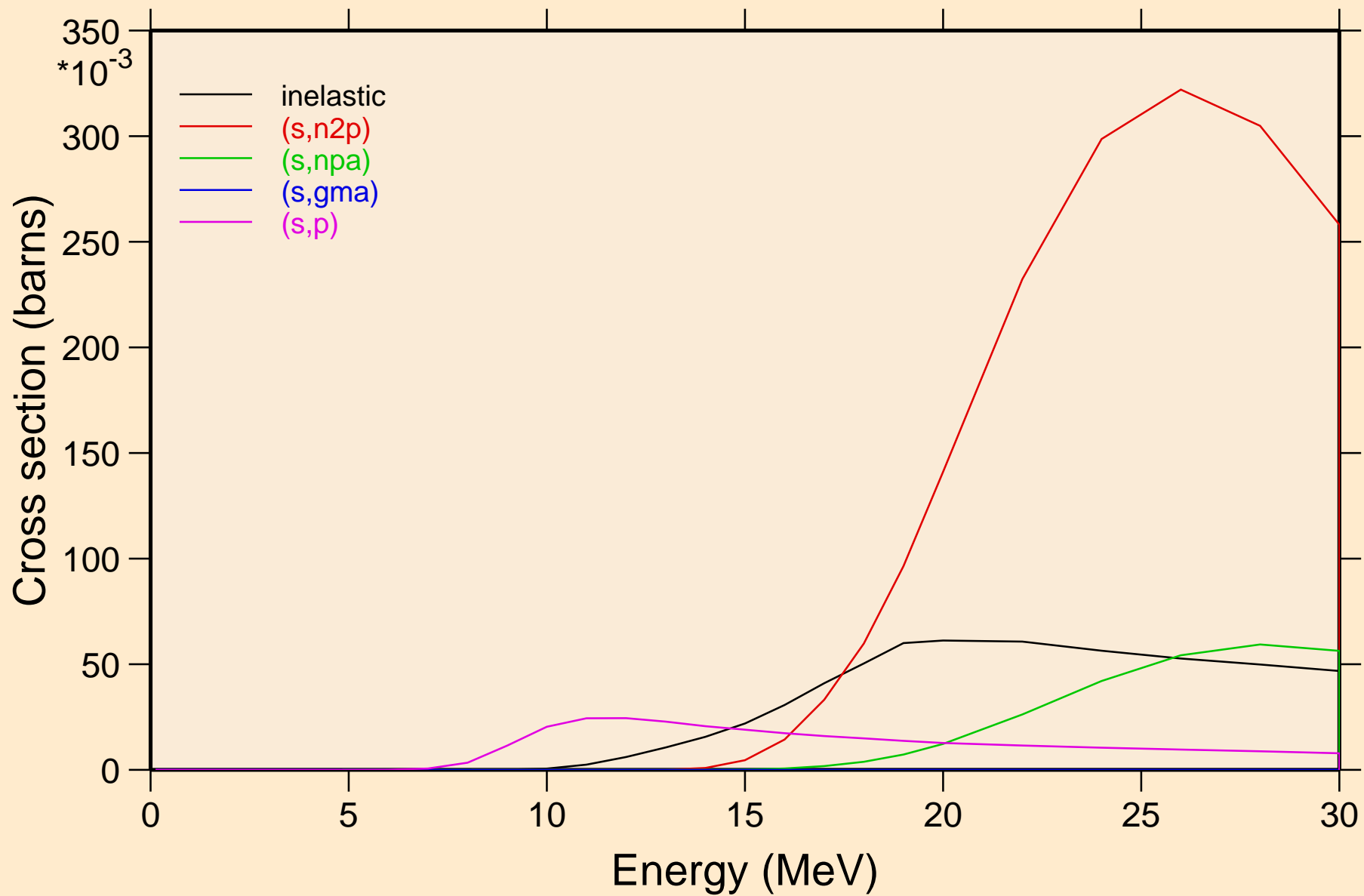


CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

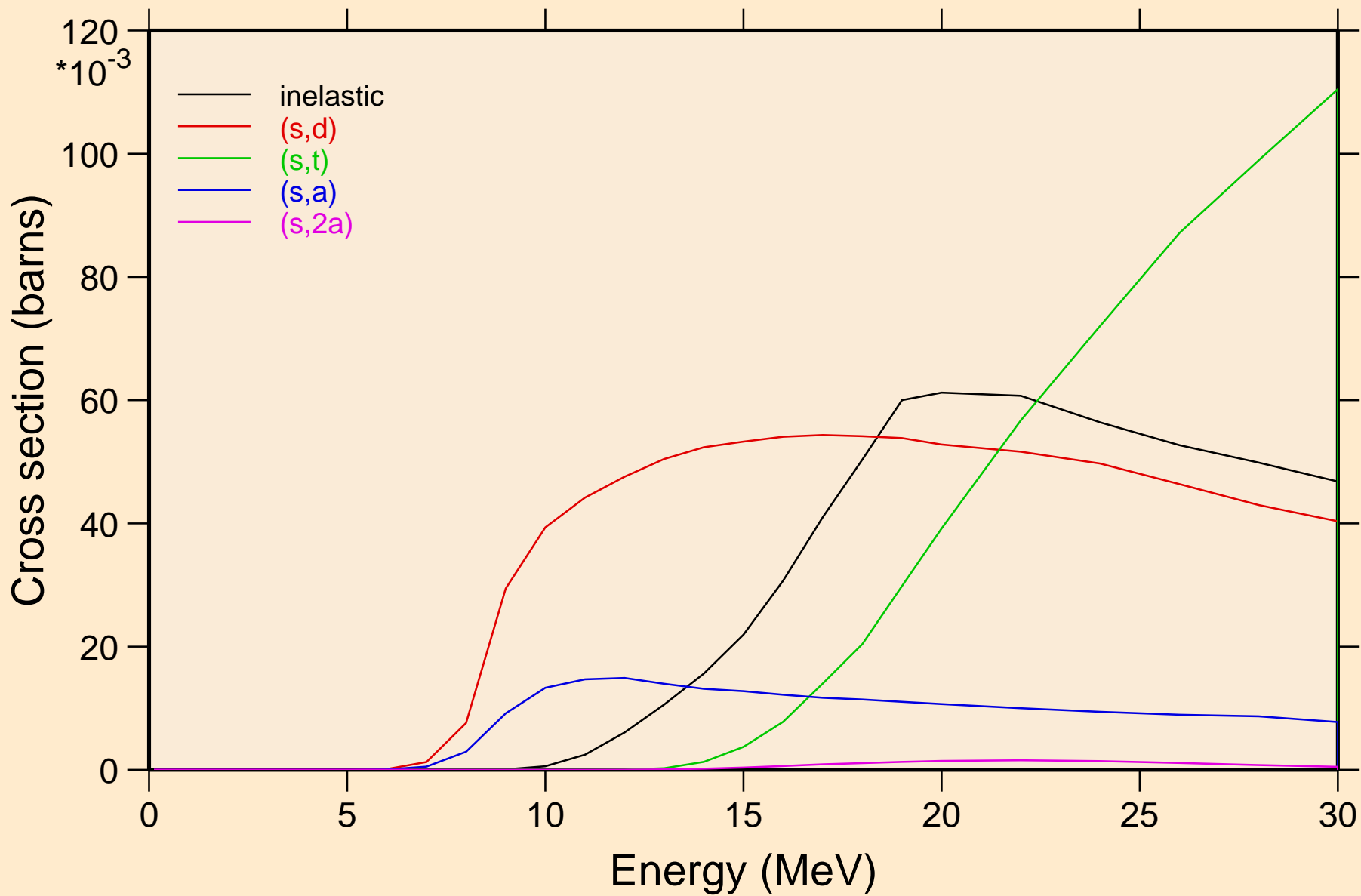




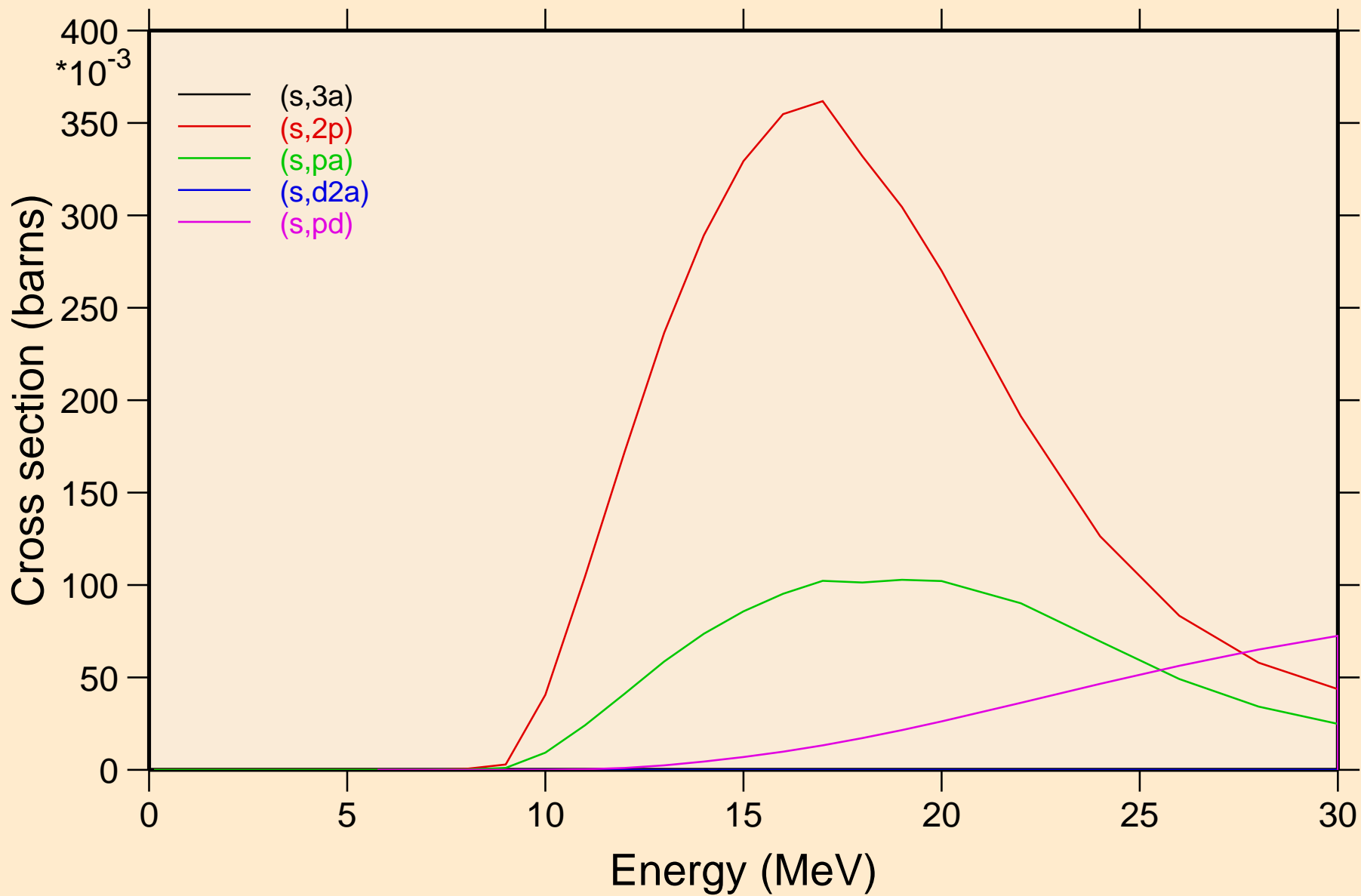
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



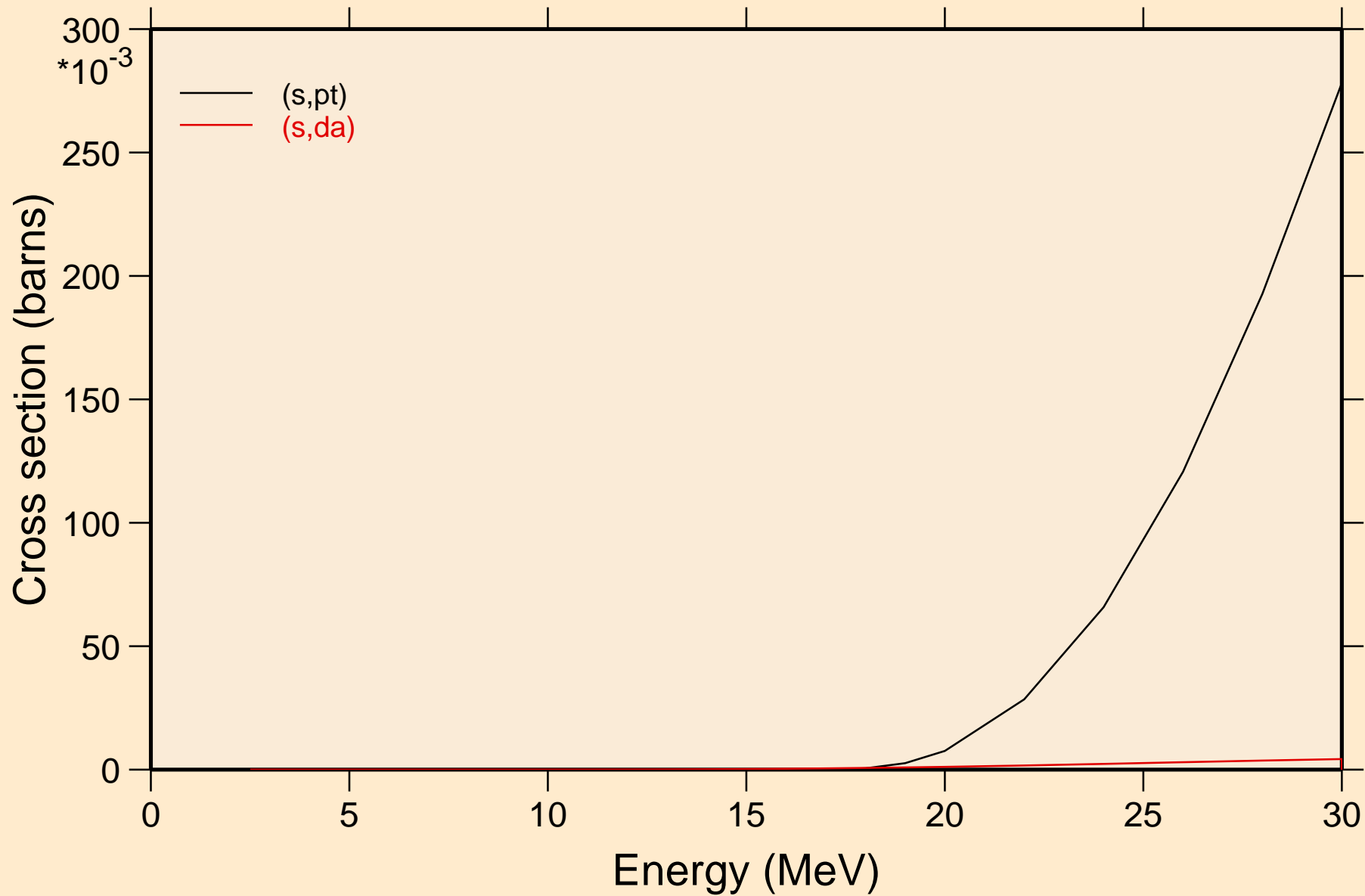
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



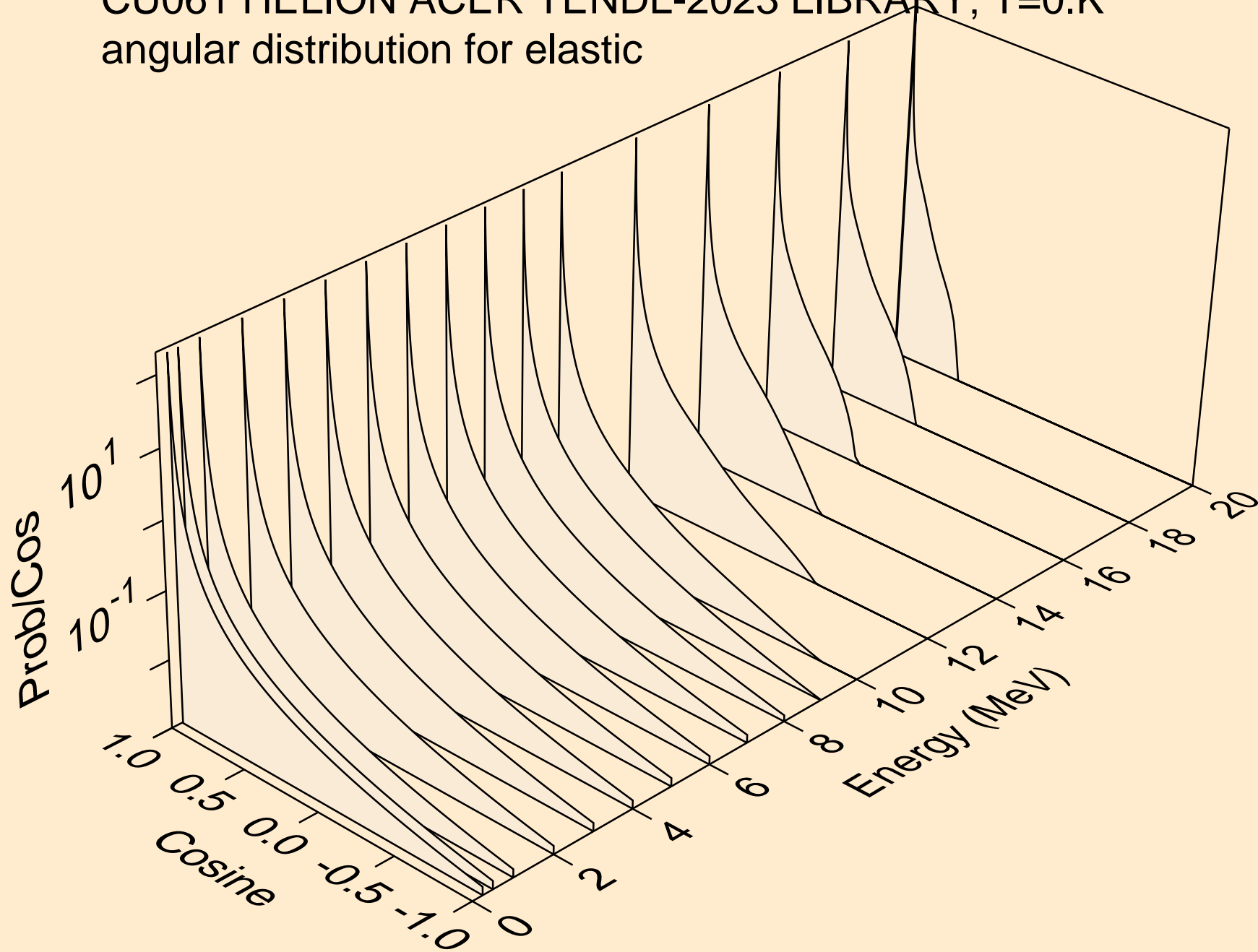
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



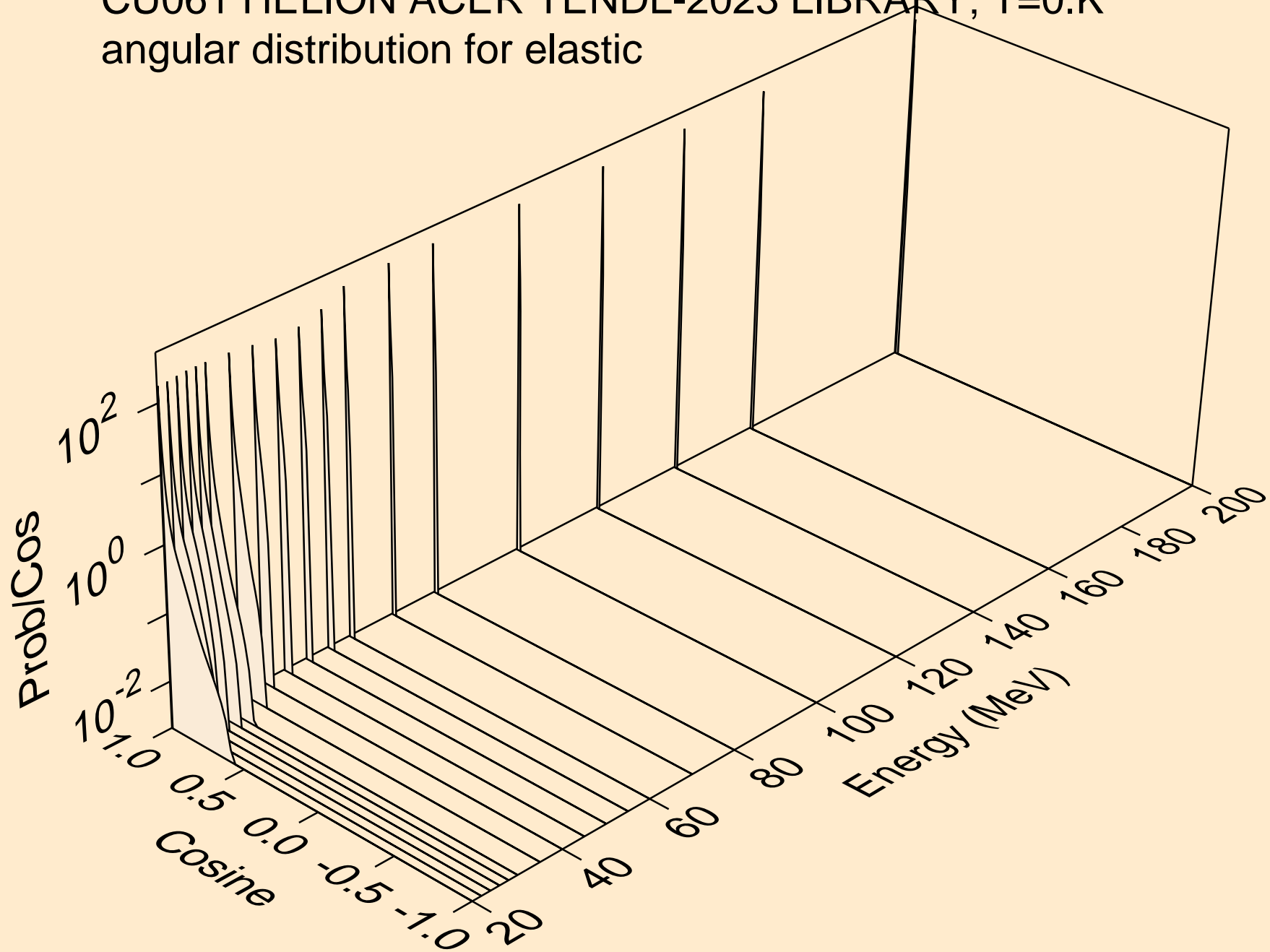
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



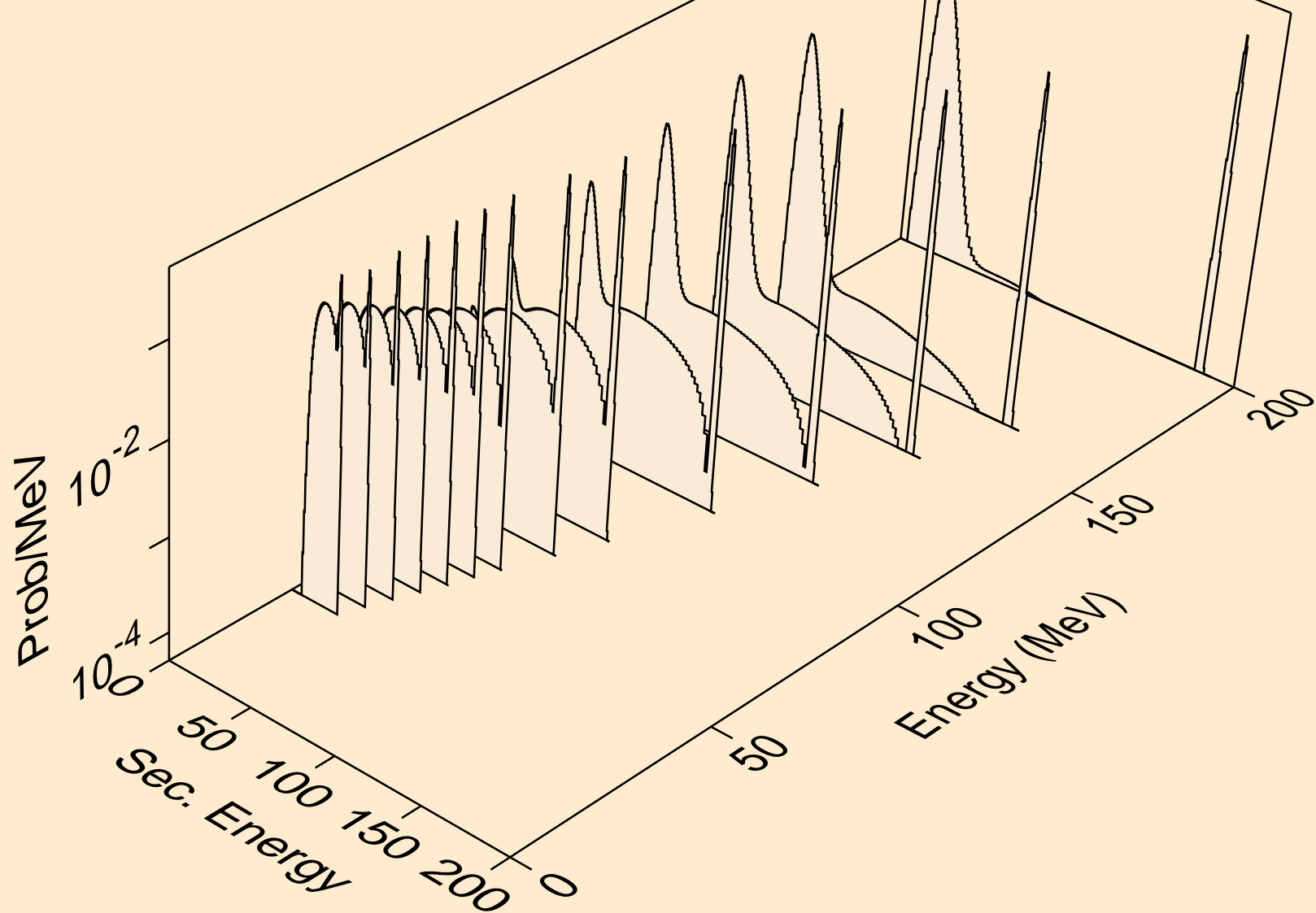
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



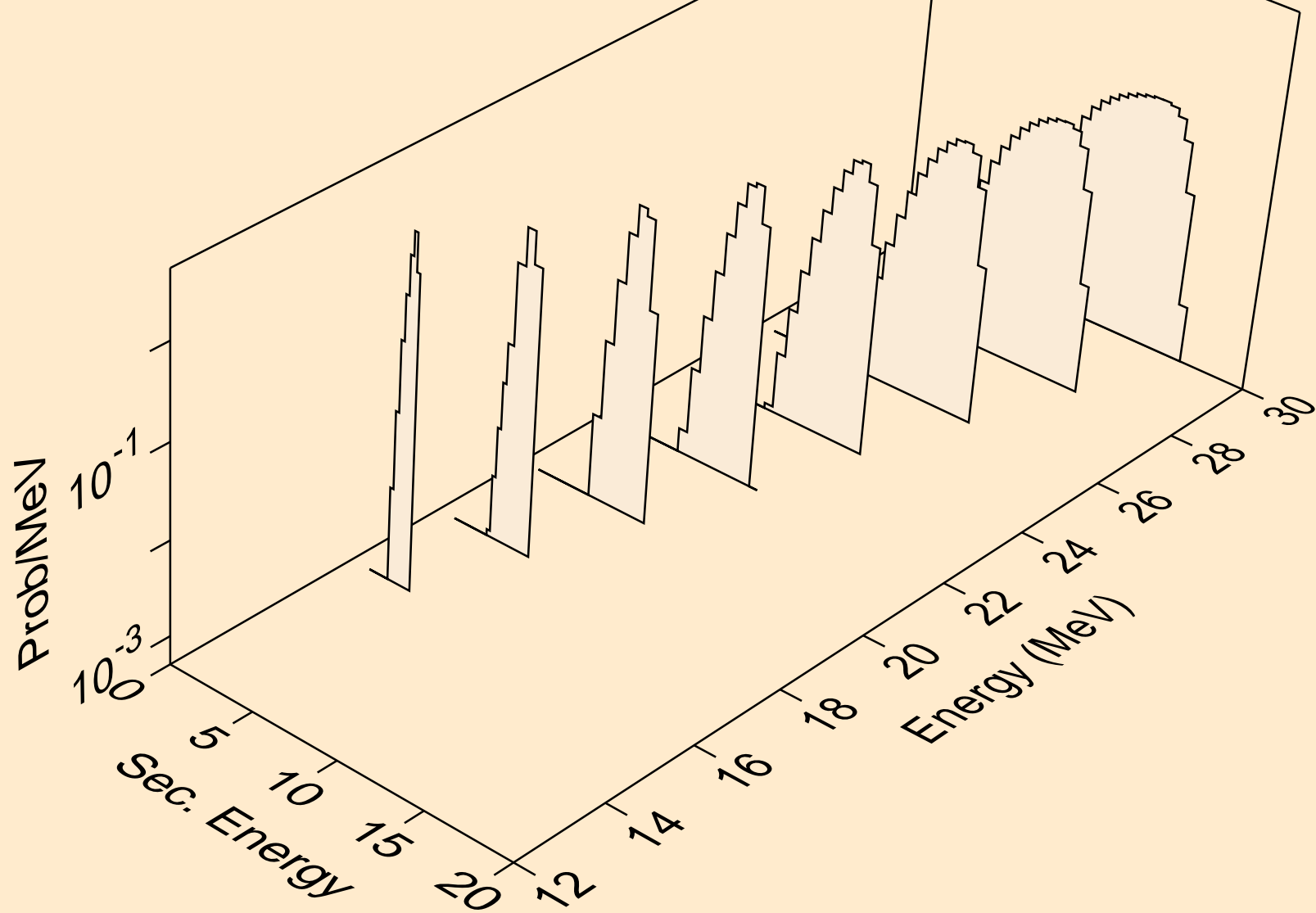
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)

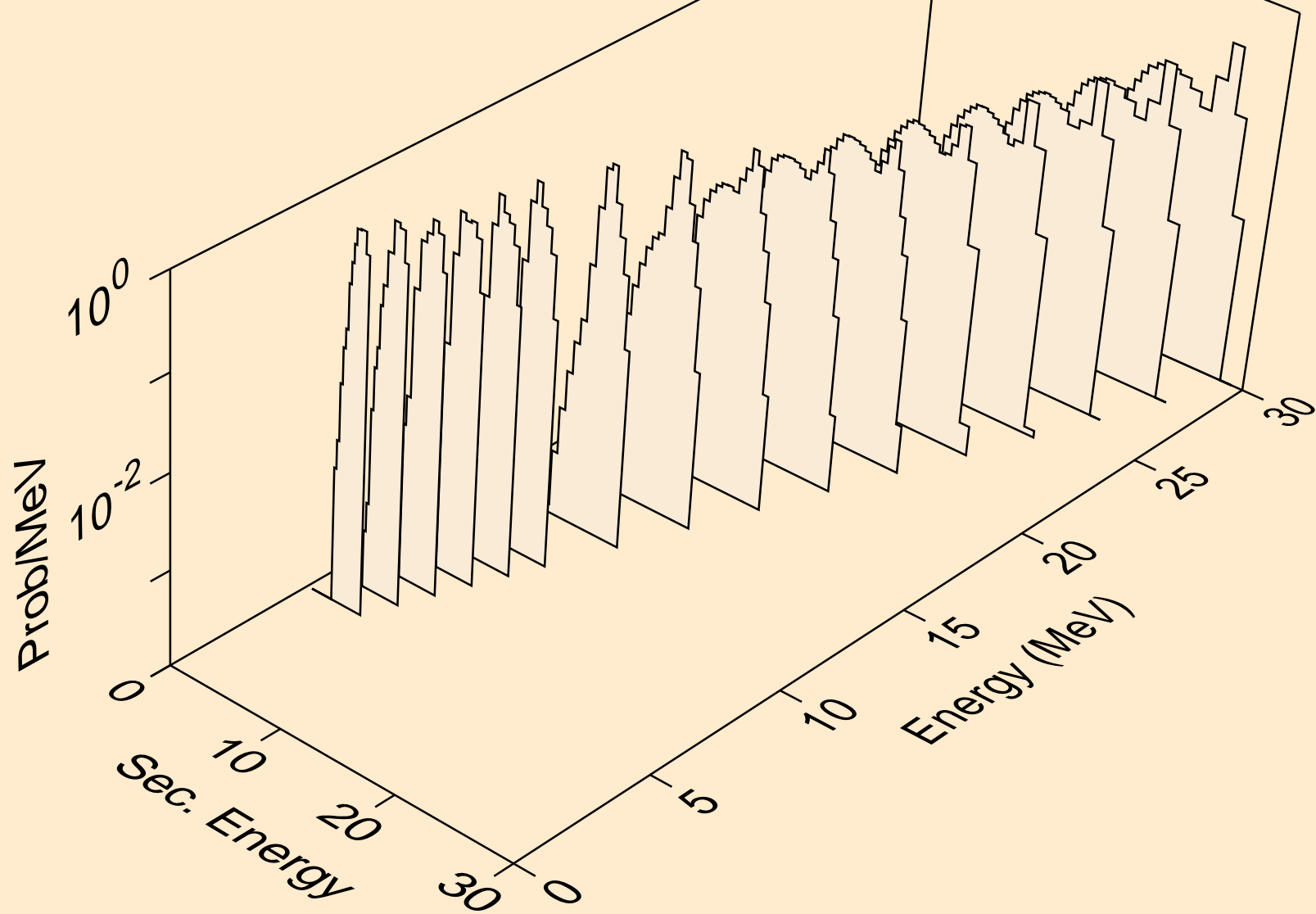


CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

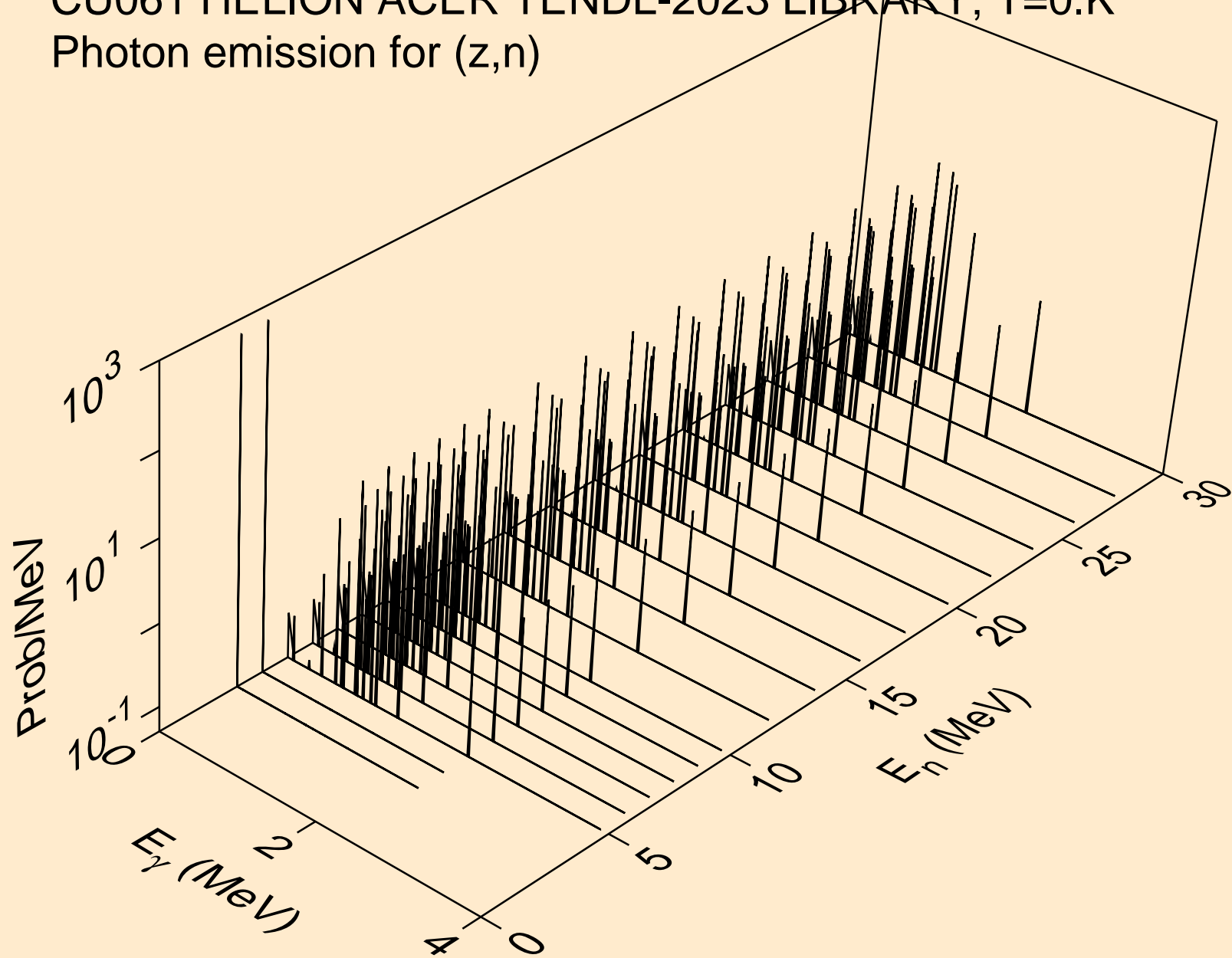




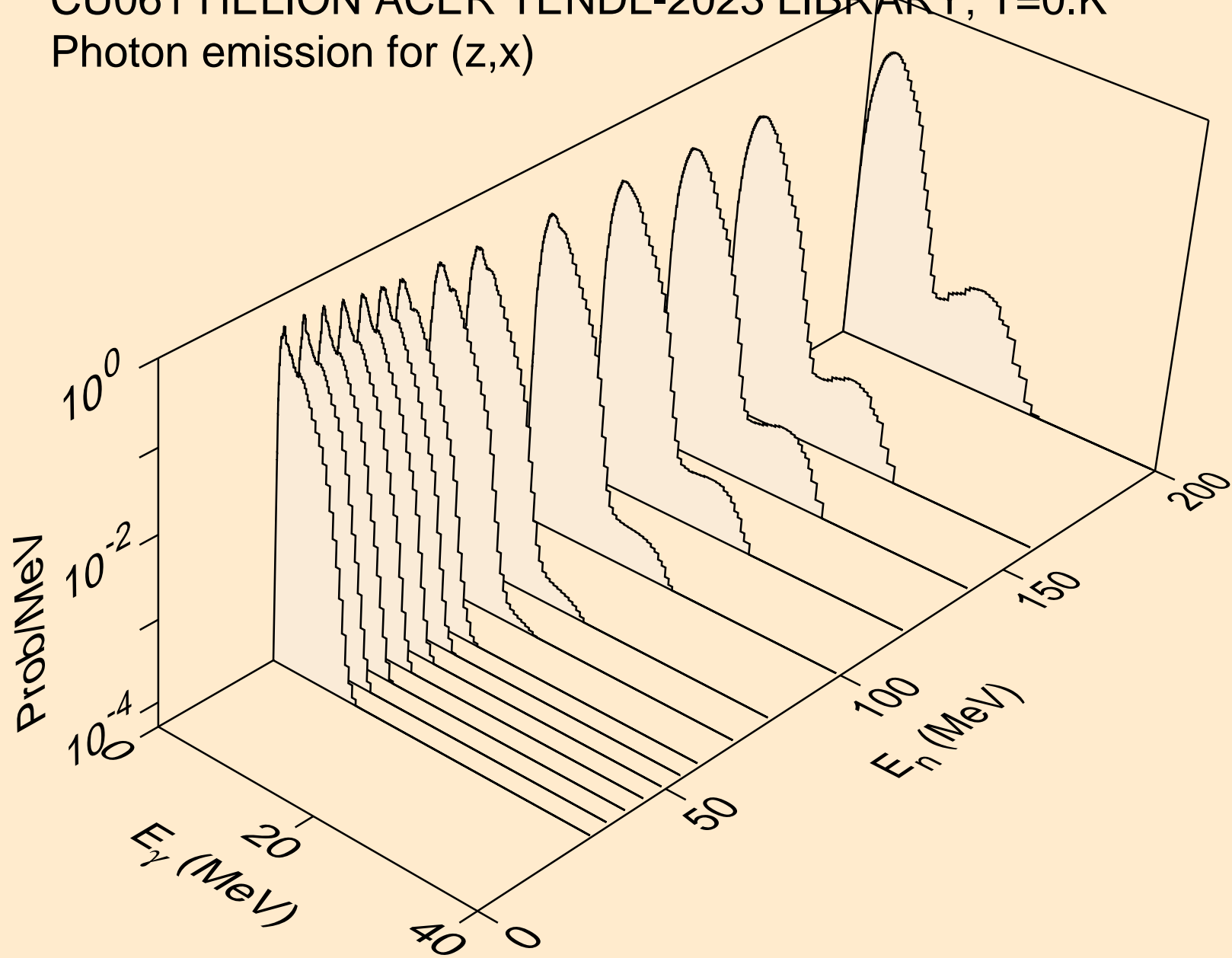
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic



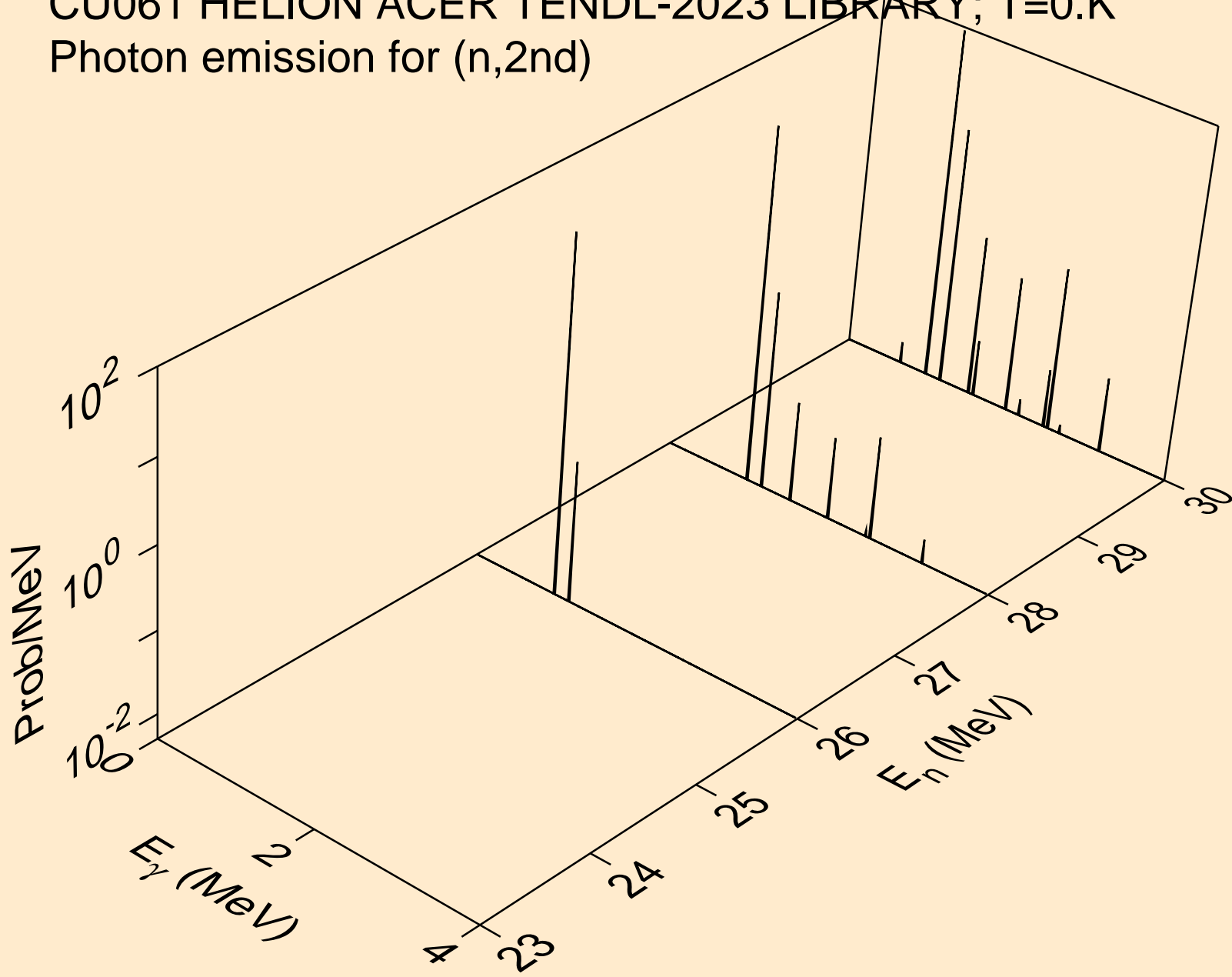
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



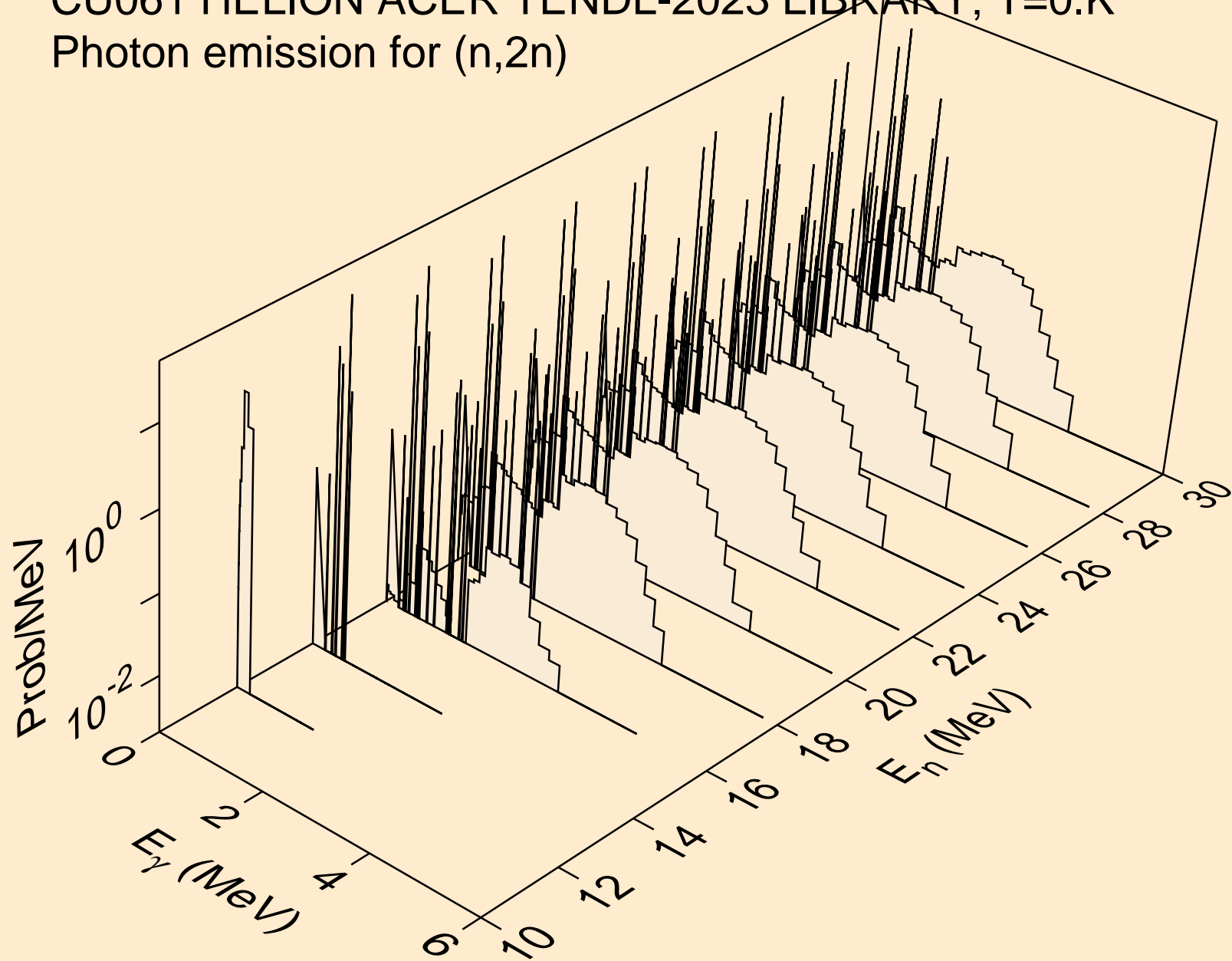
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



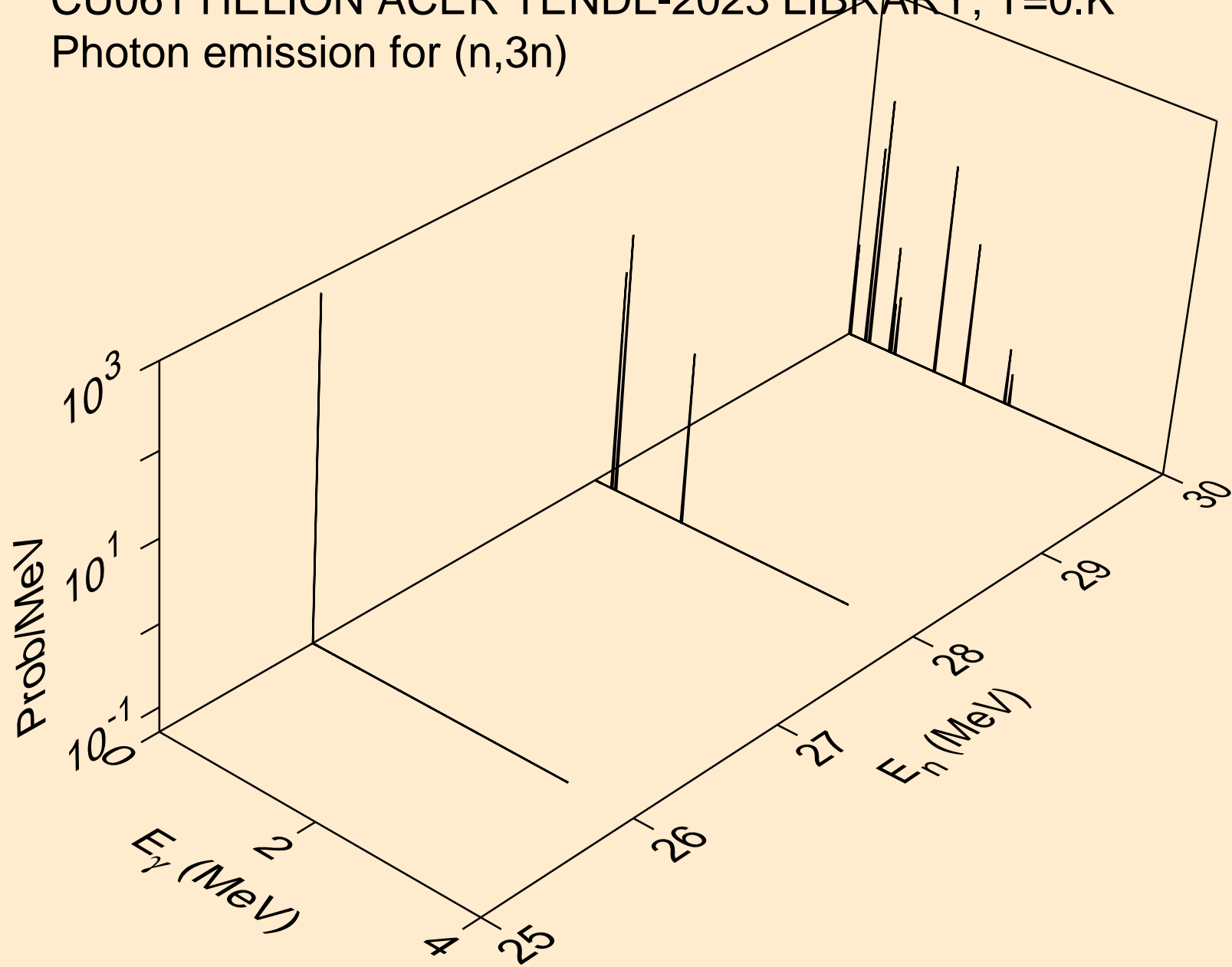
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



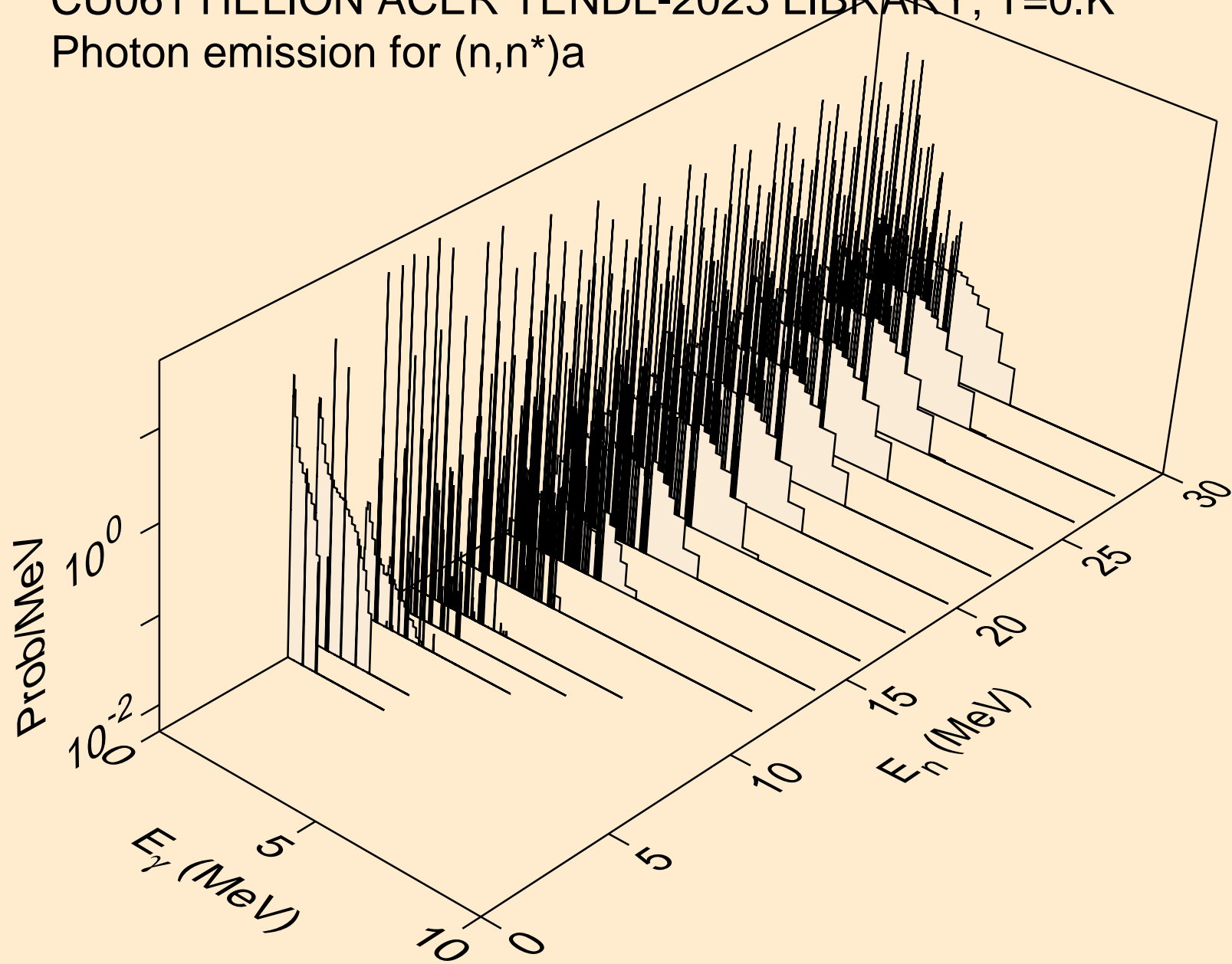
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



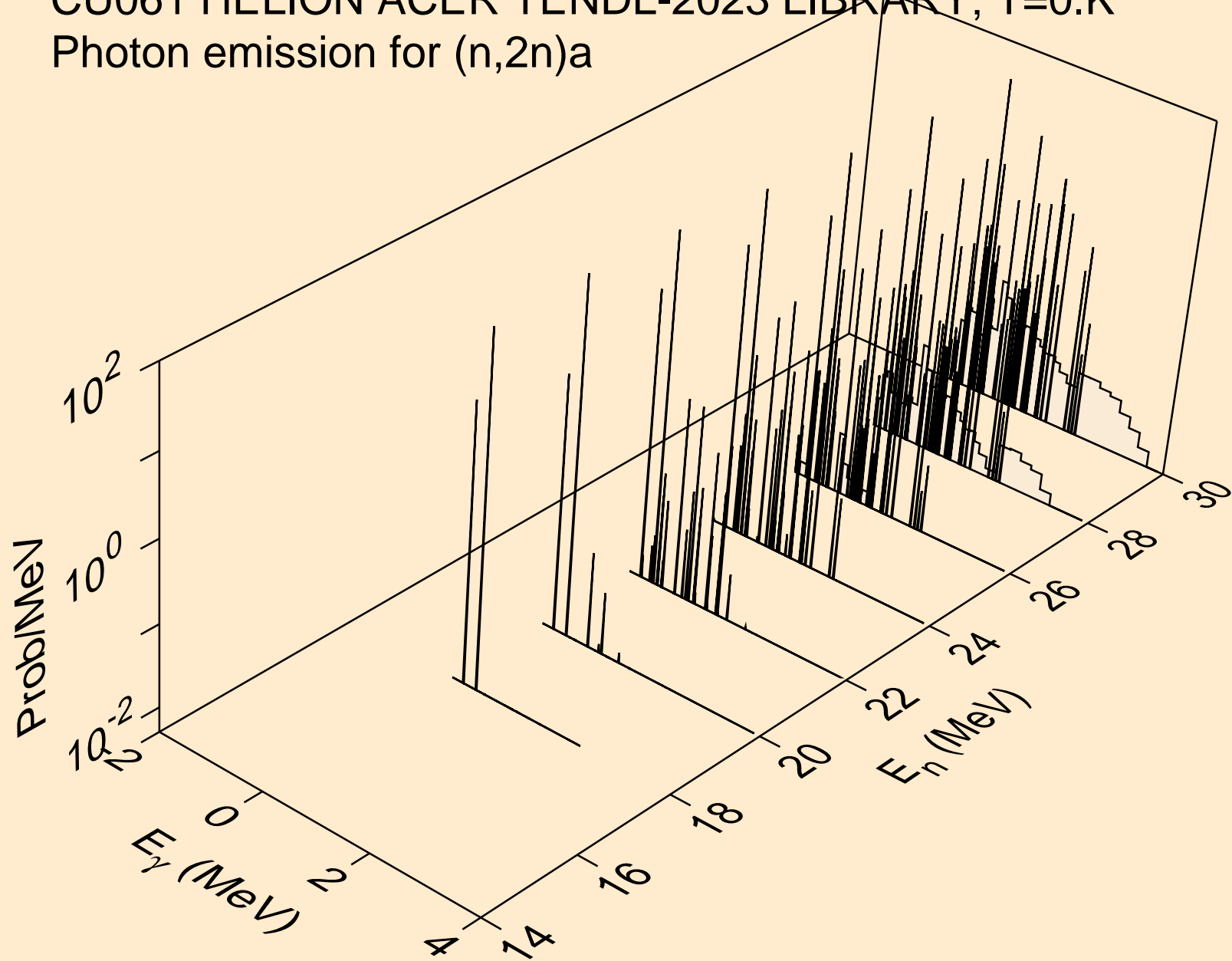
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

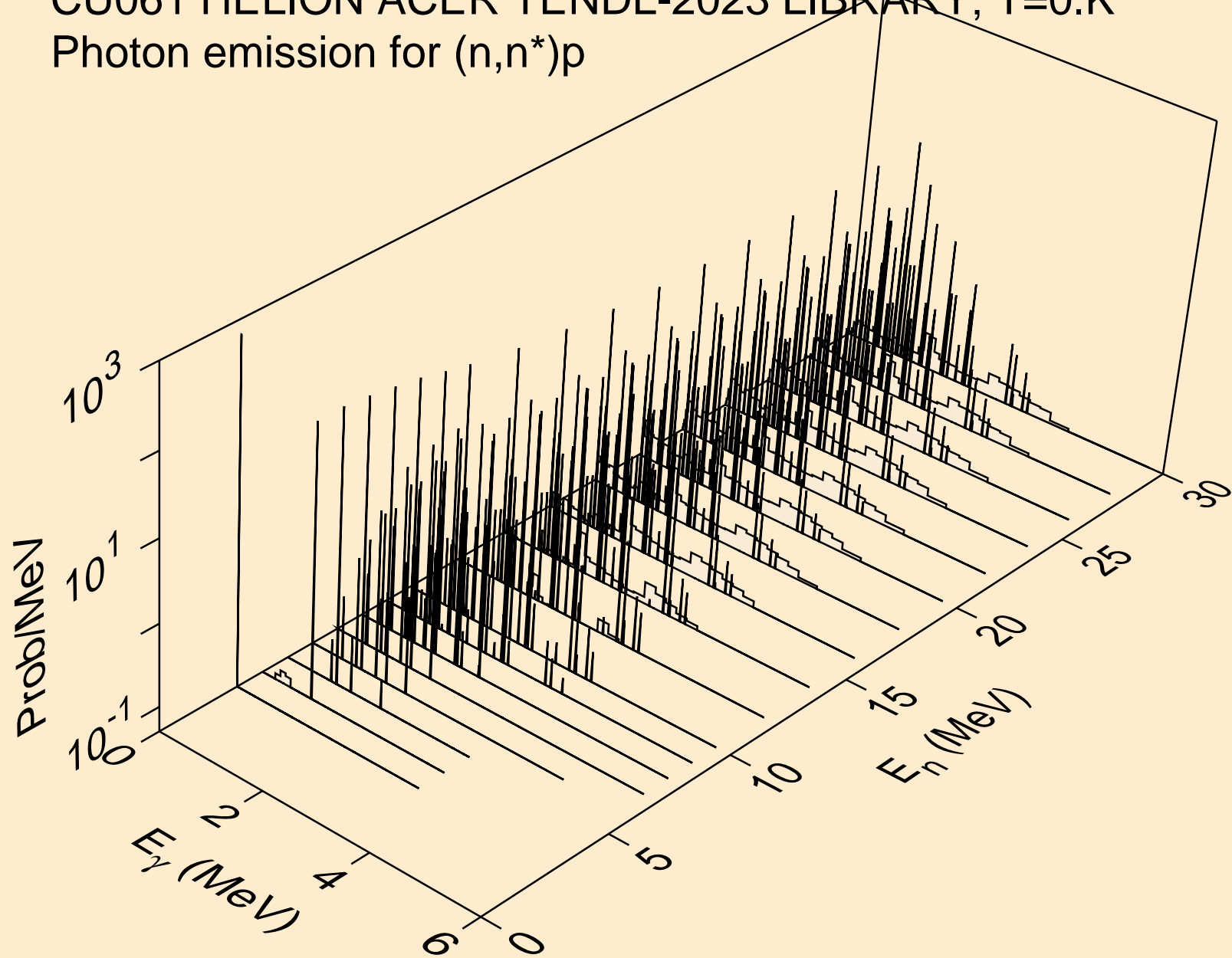


CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

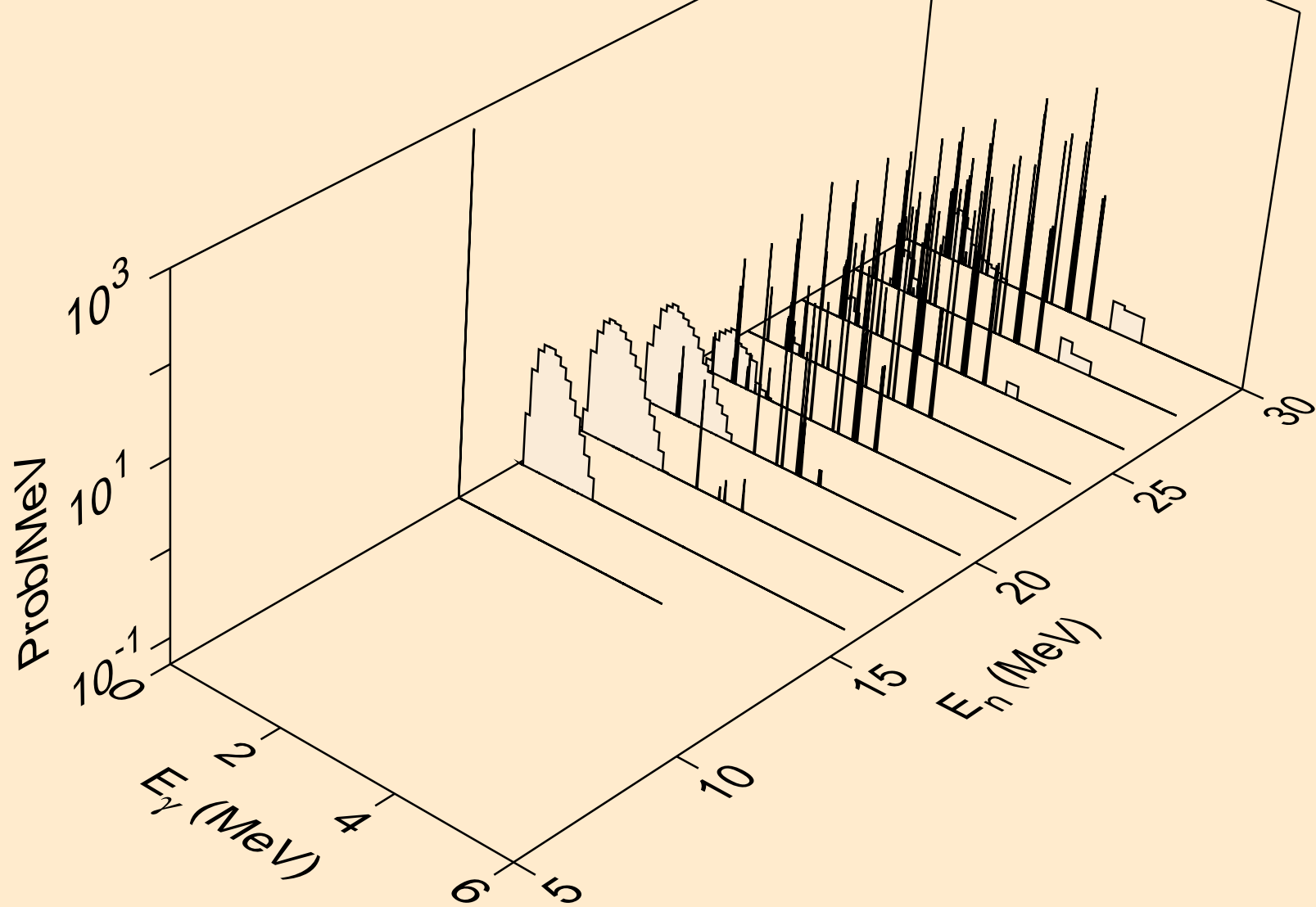




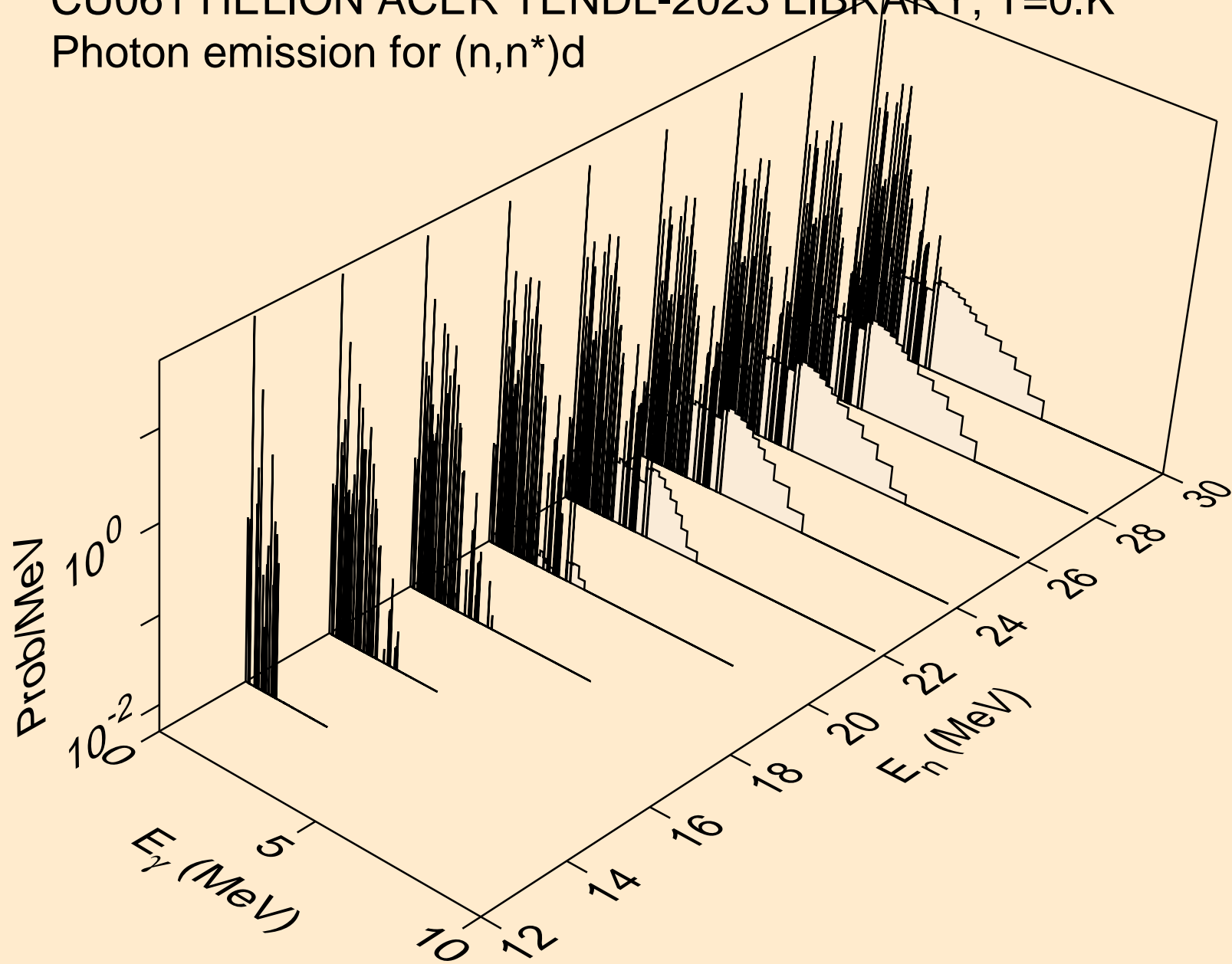
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



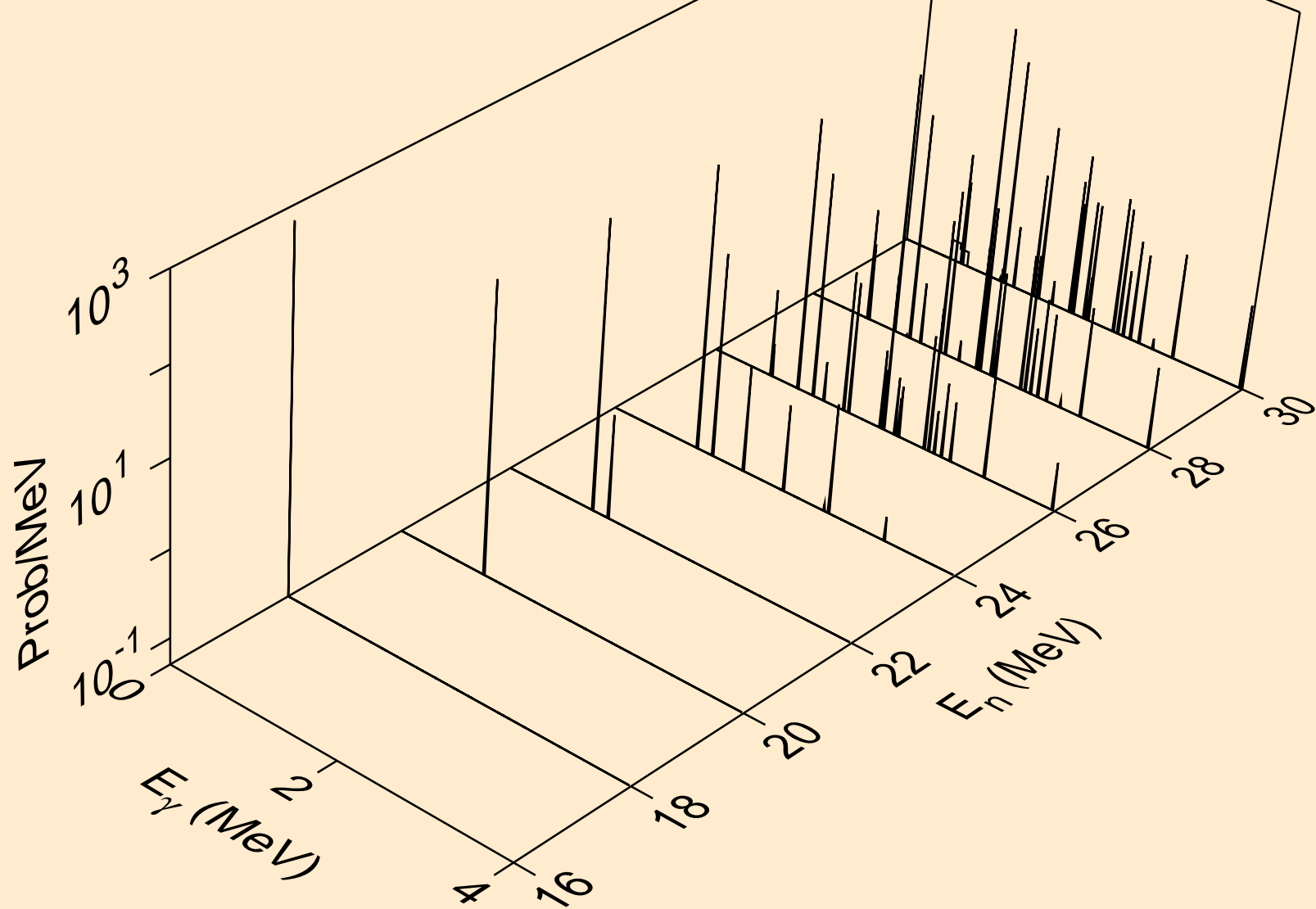
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Photon emission for (n,n\*)2a



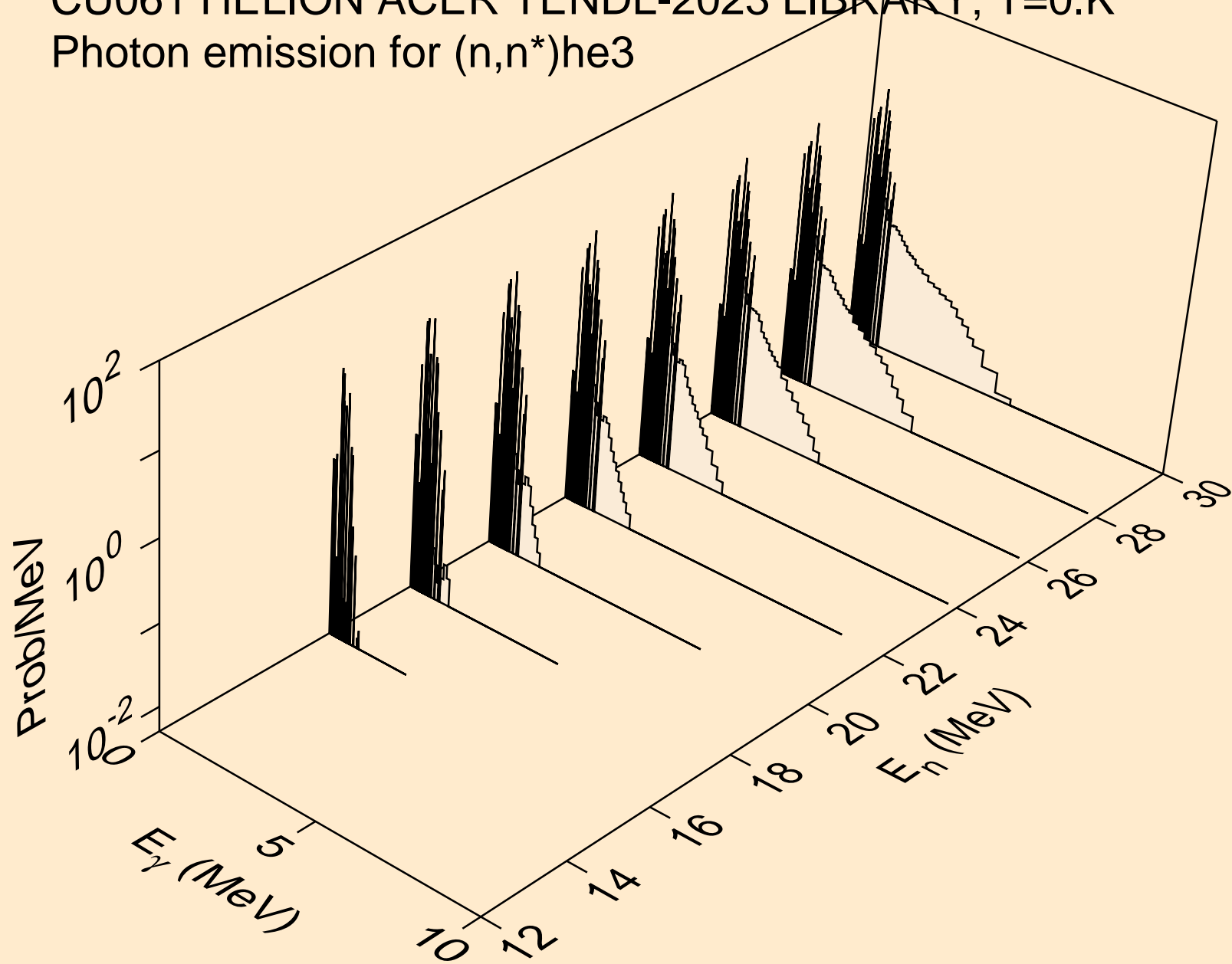
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



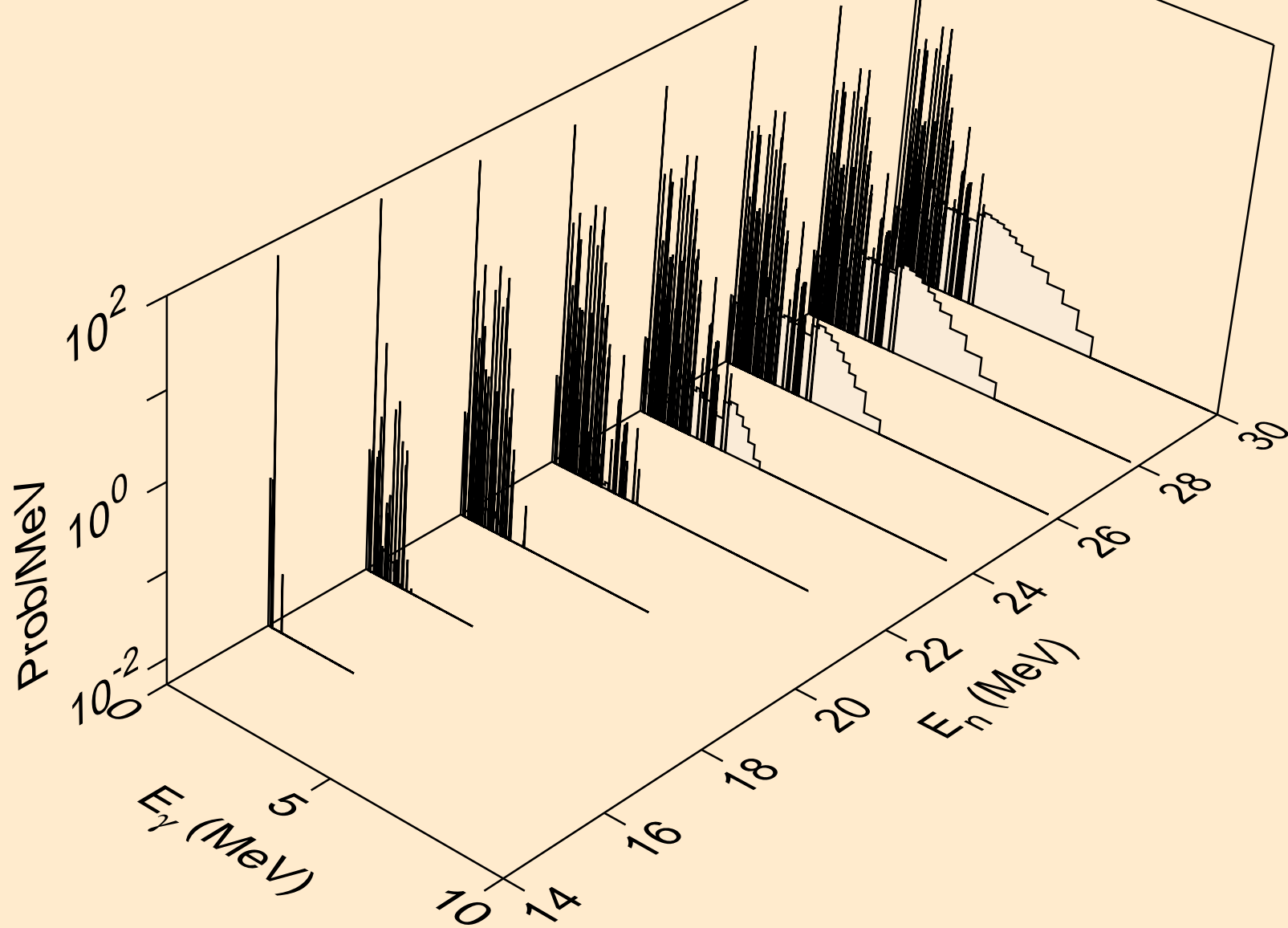
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



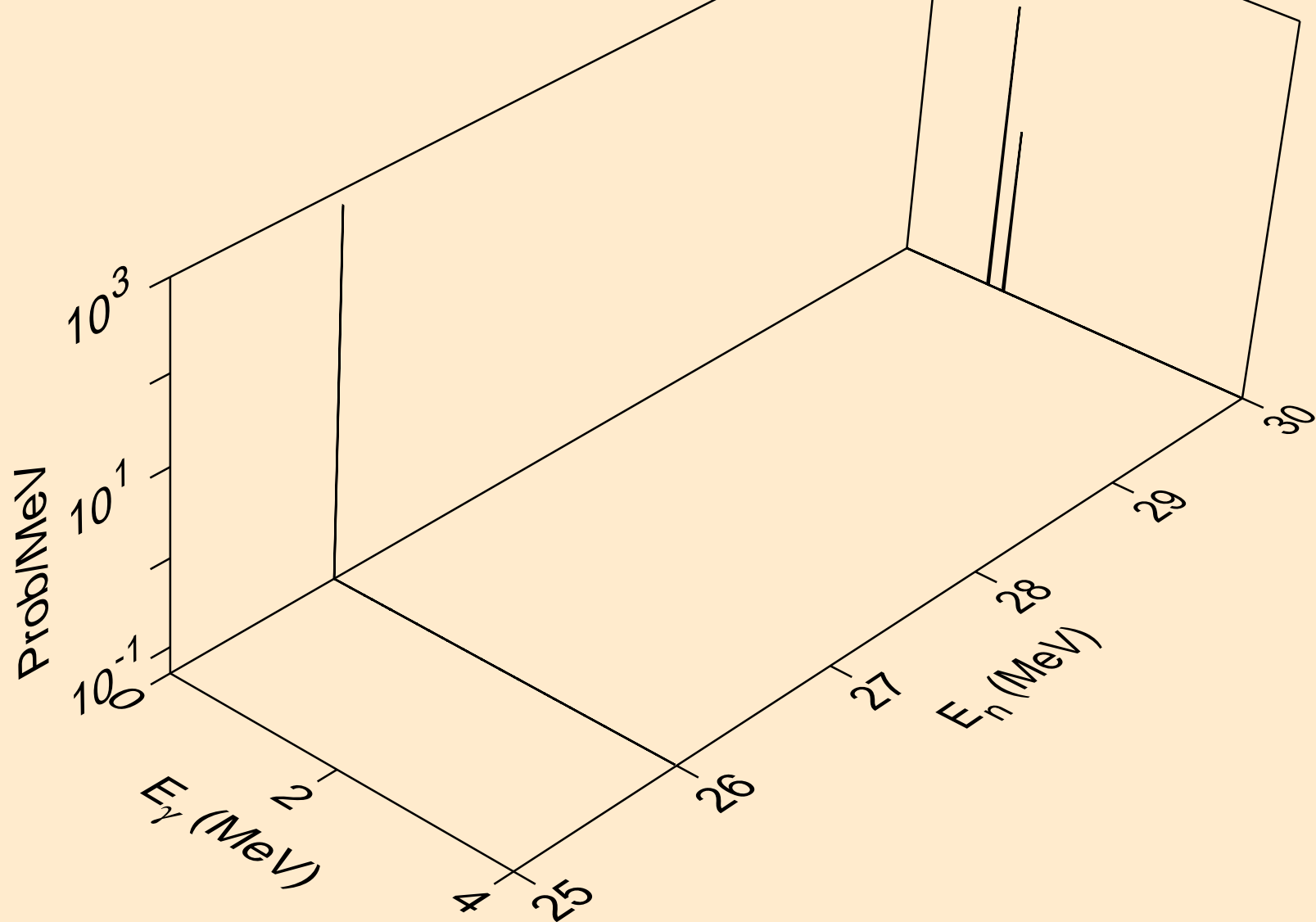
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



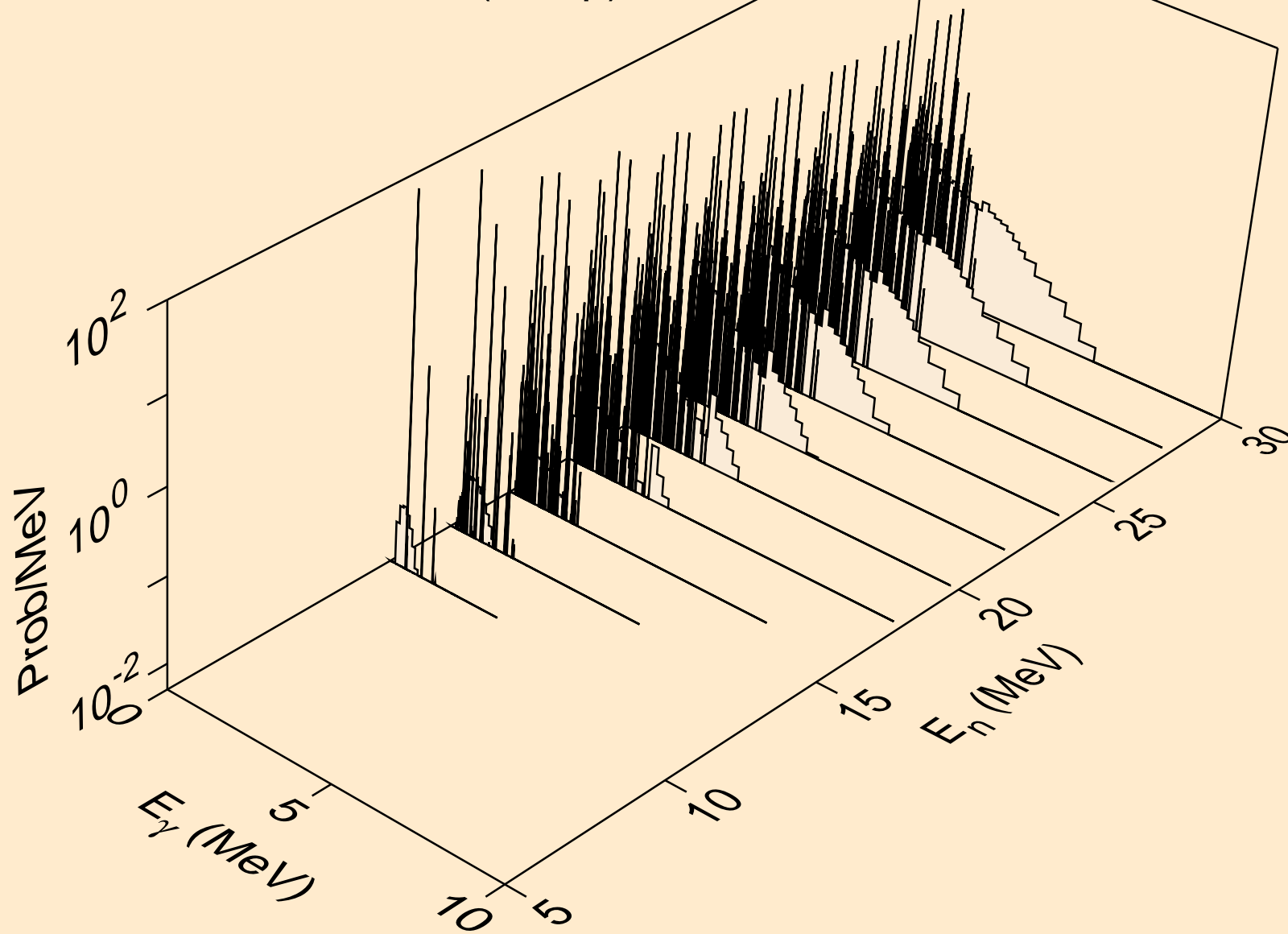
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)

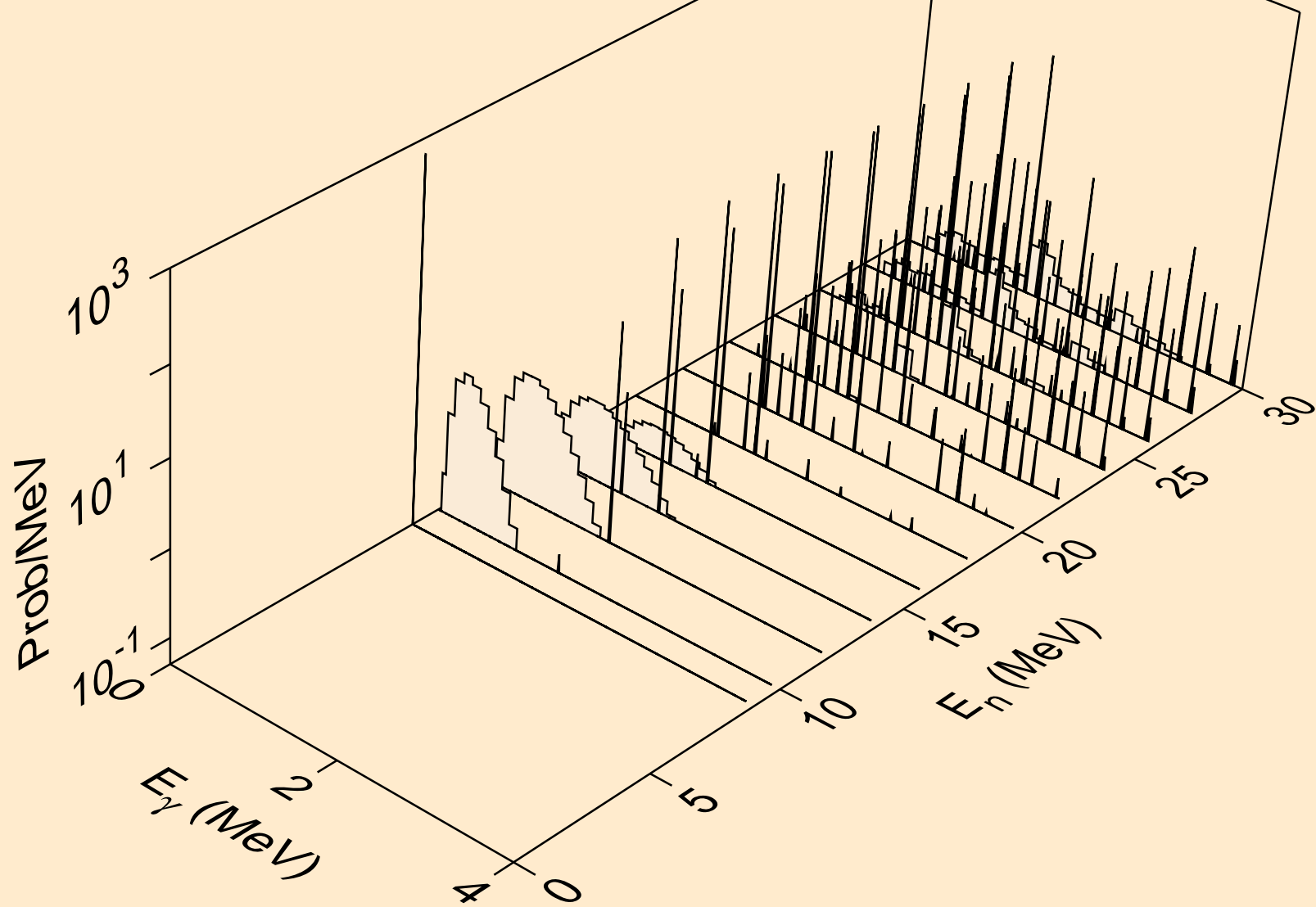


CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)

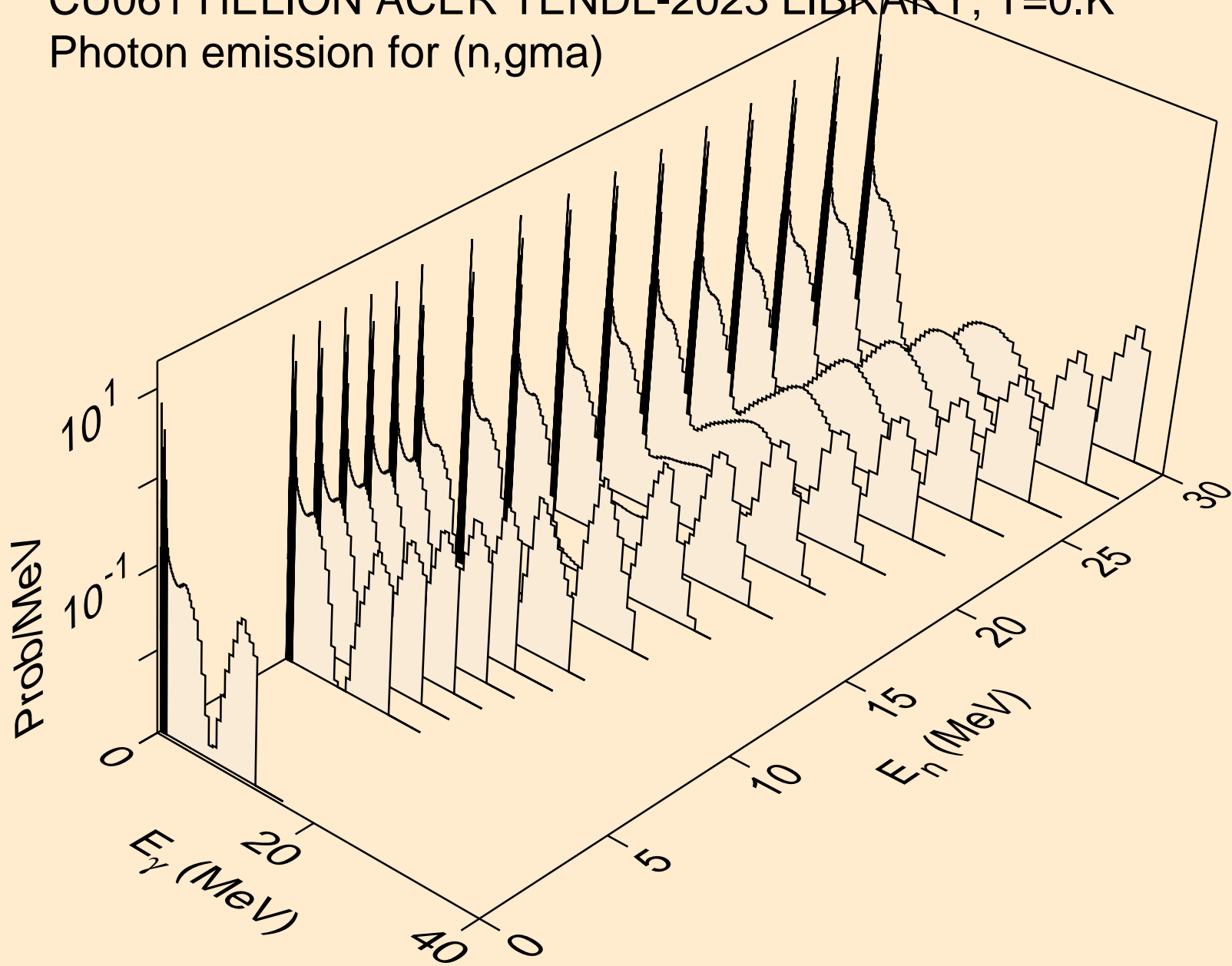




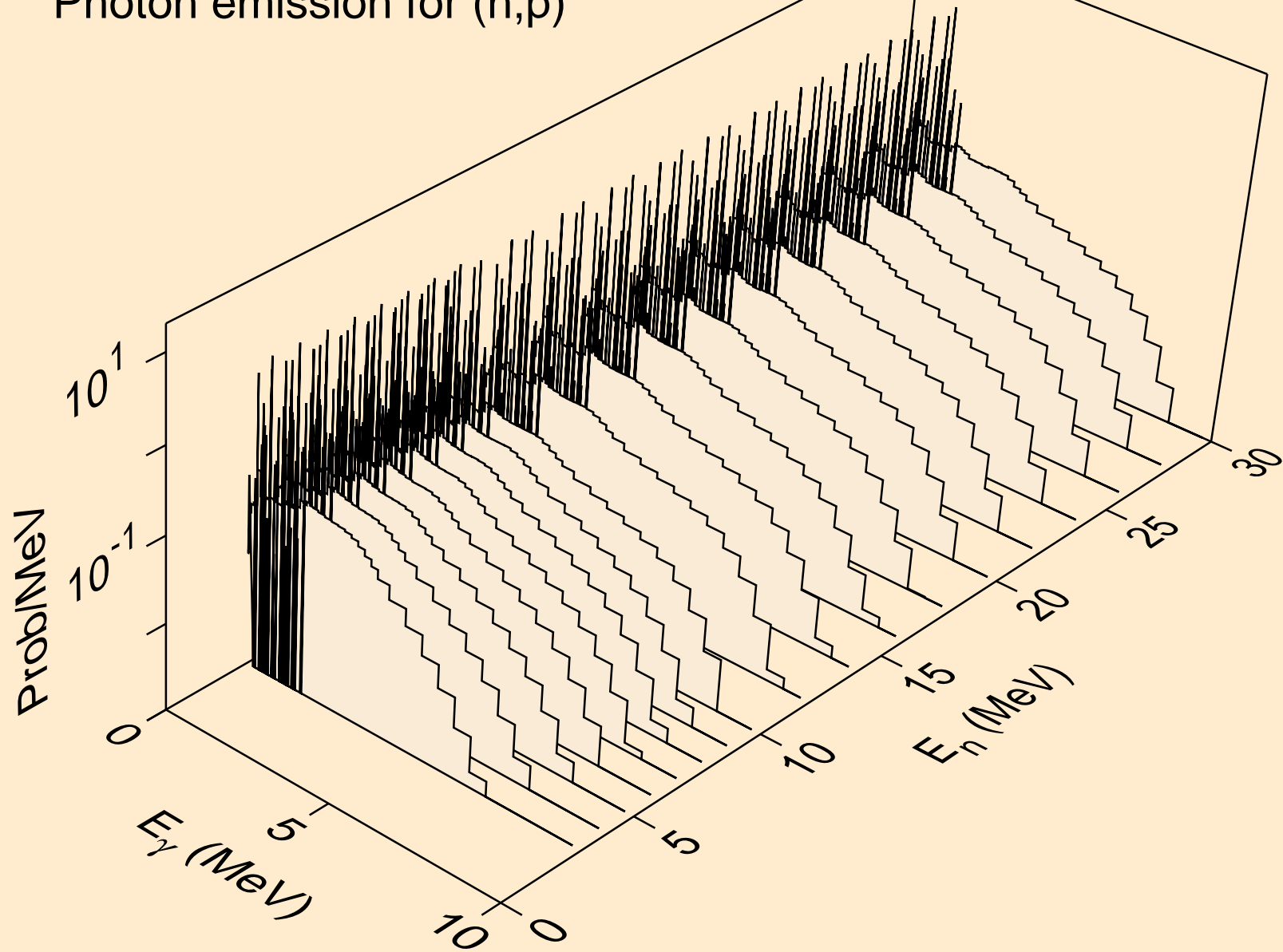
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Photon emission for (n,npa)



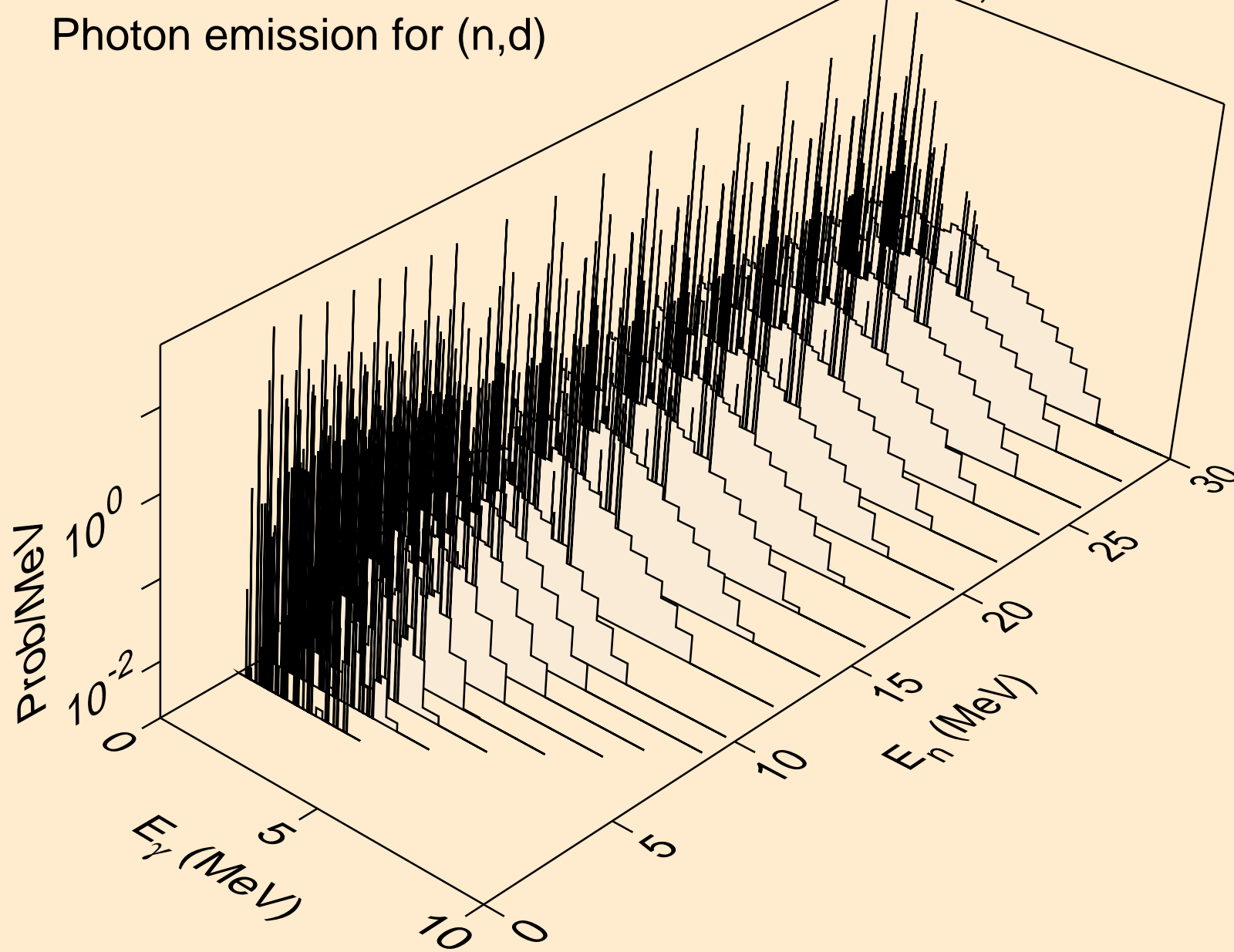
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Photon emission for (n,gma)



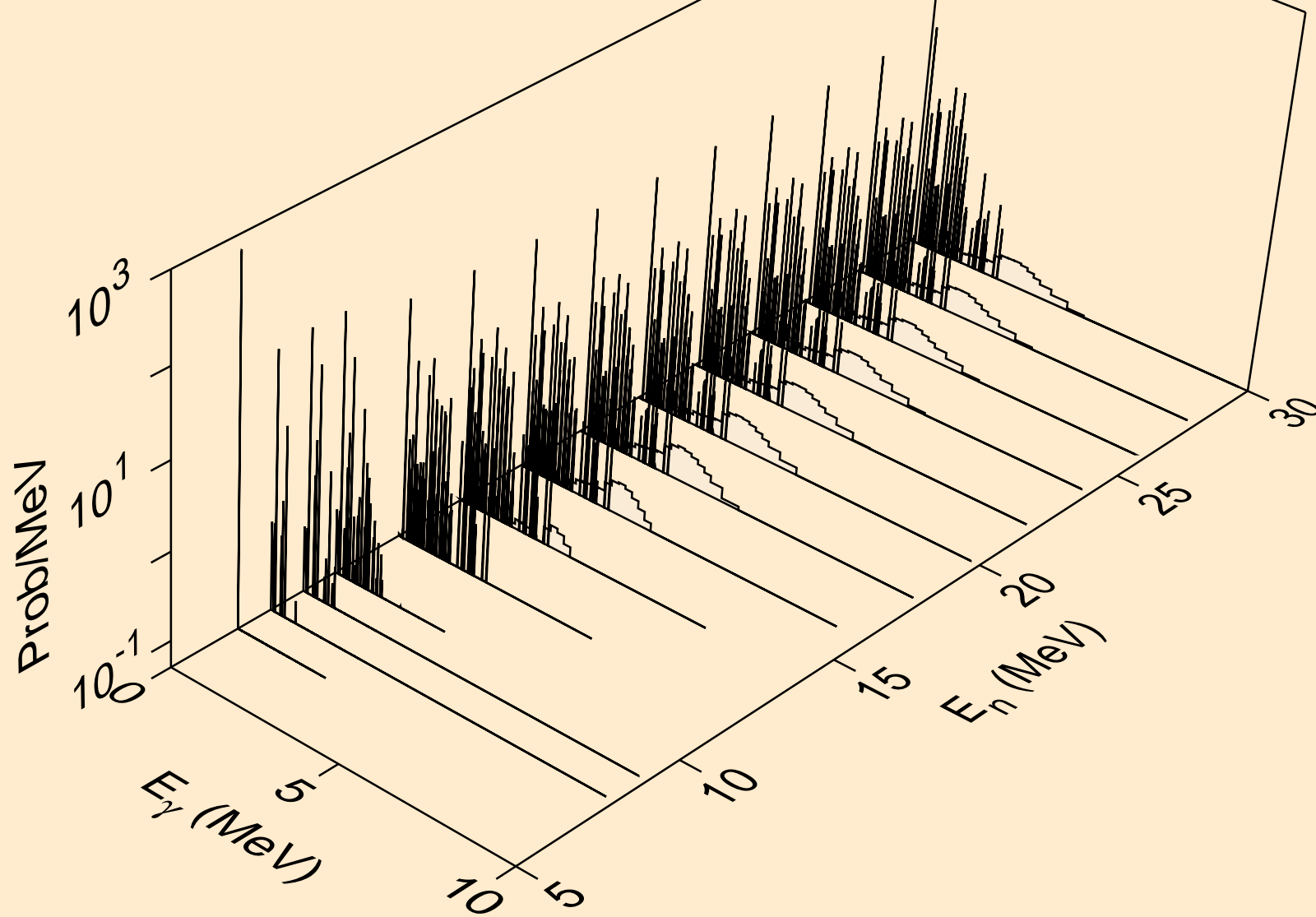
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Photon emission for (n,p)



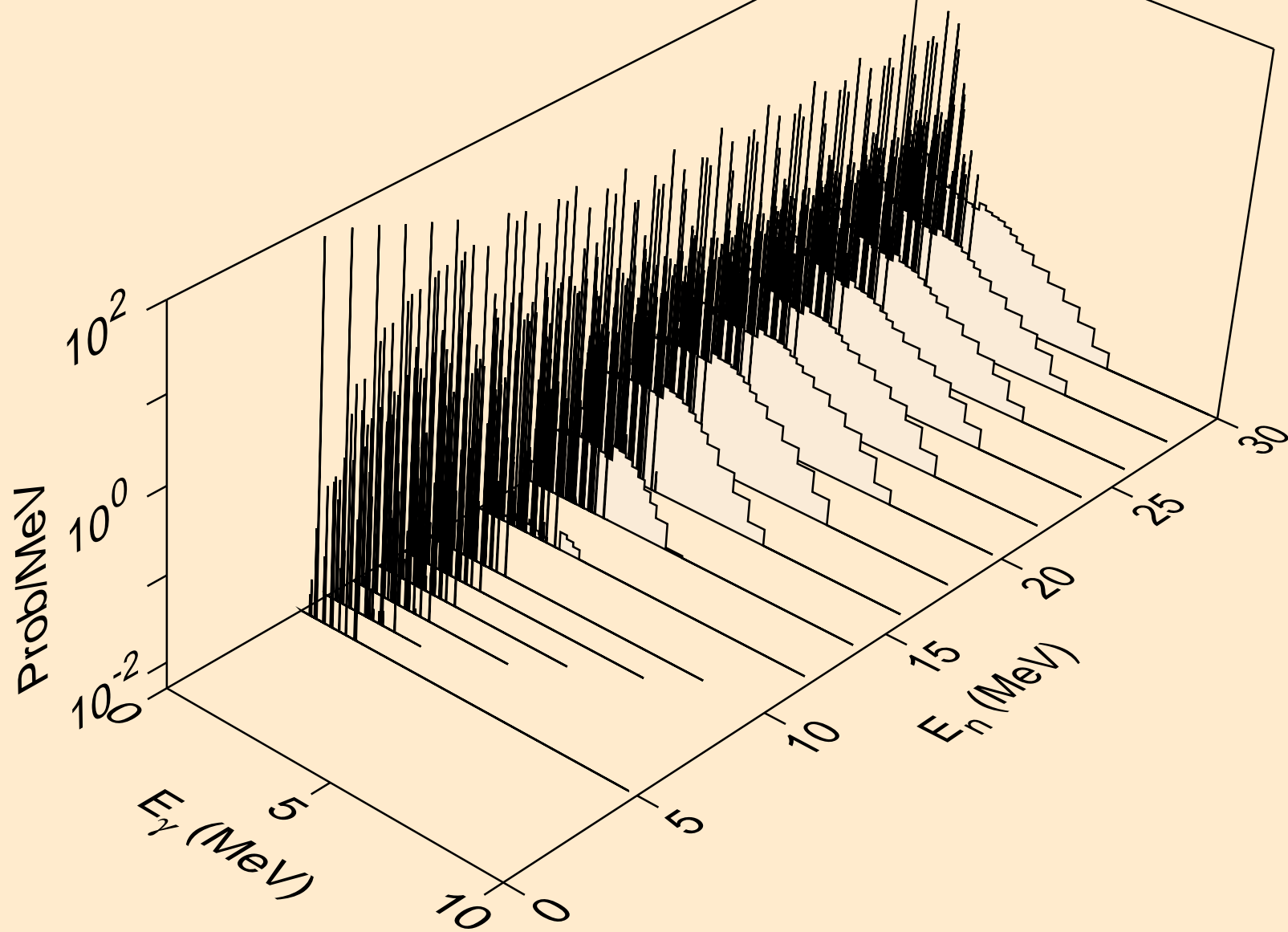
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Photon emission for (n,d)



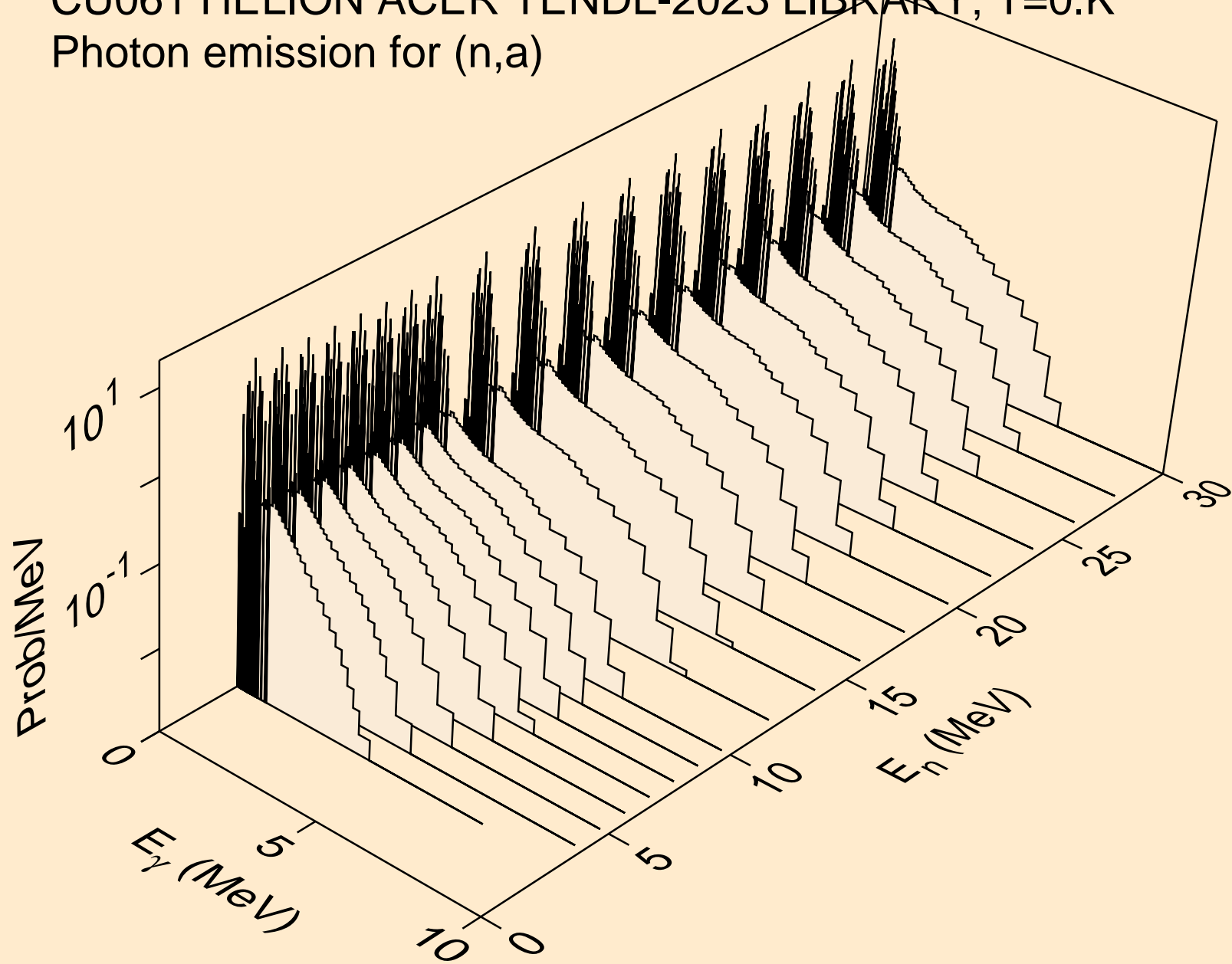
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Photon emission for (n,t)



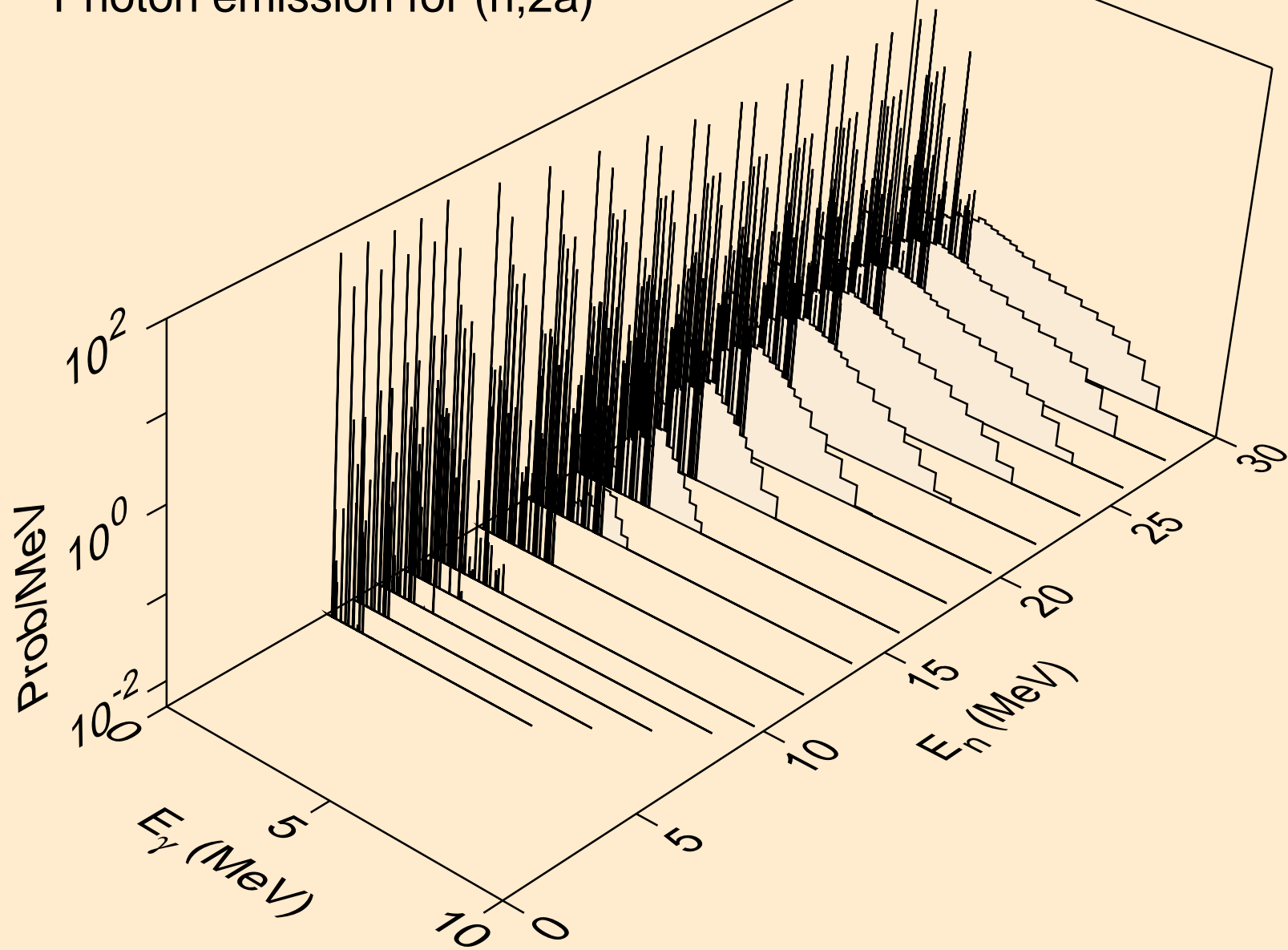
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

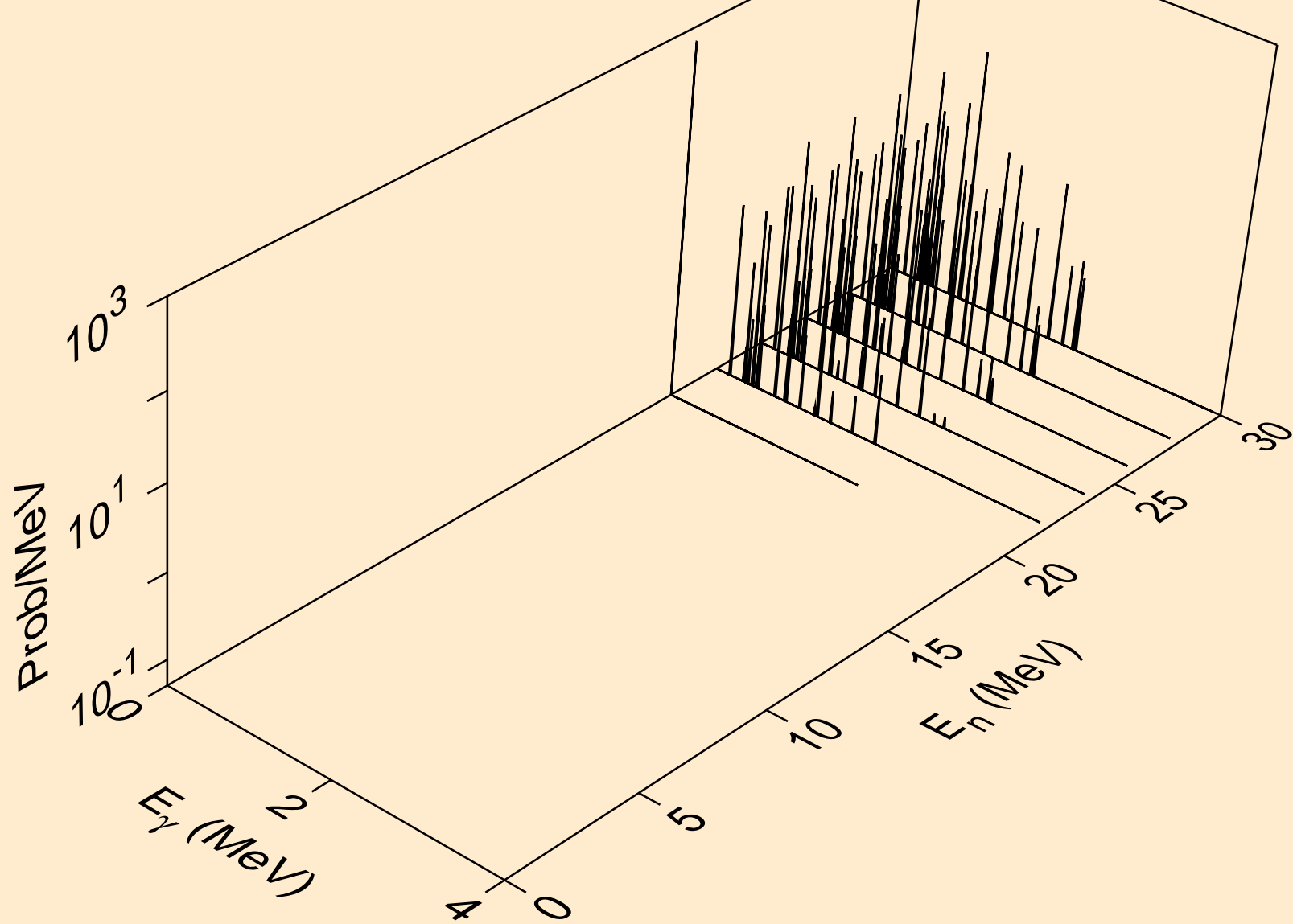


CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)

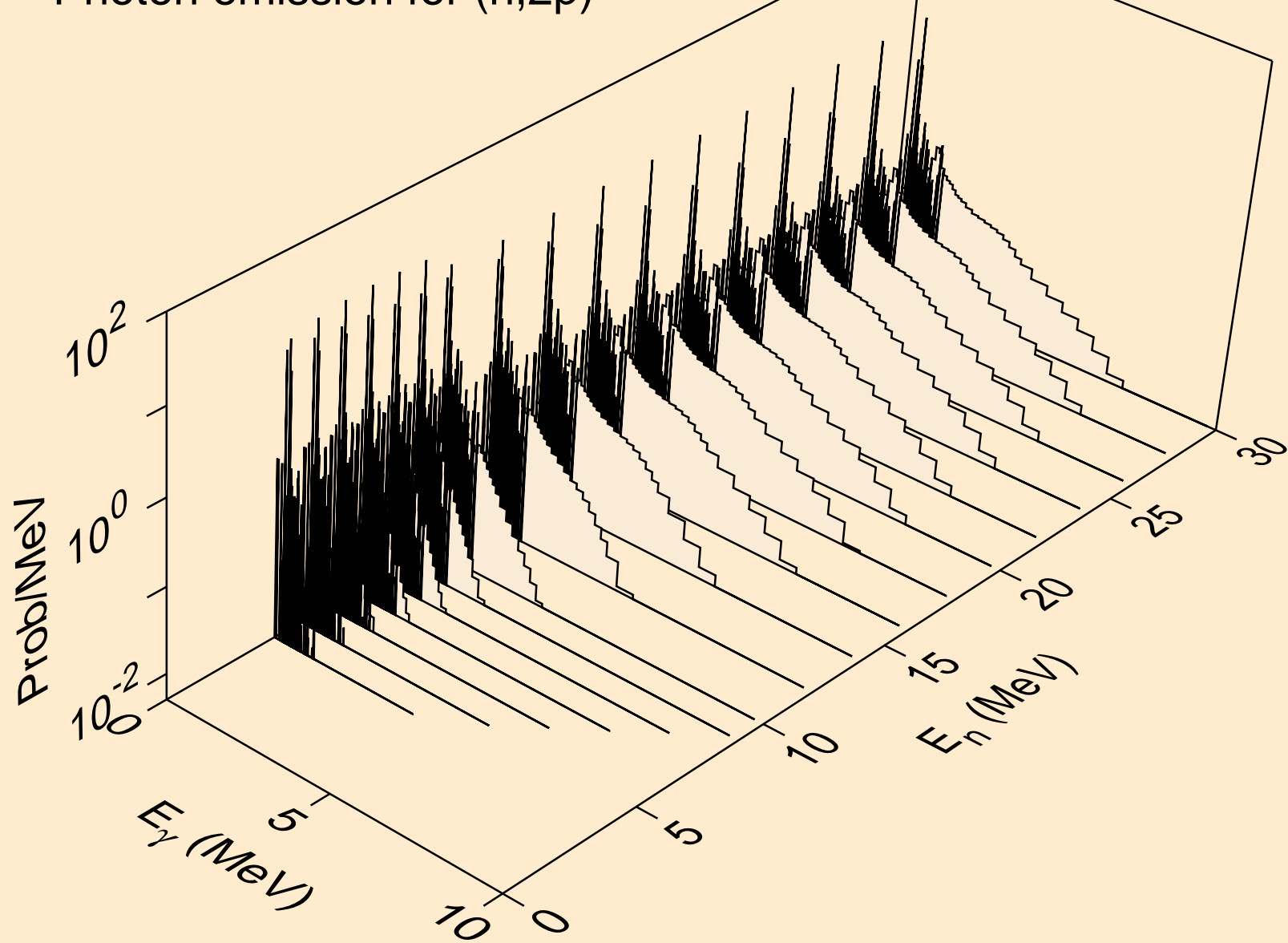




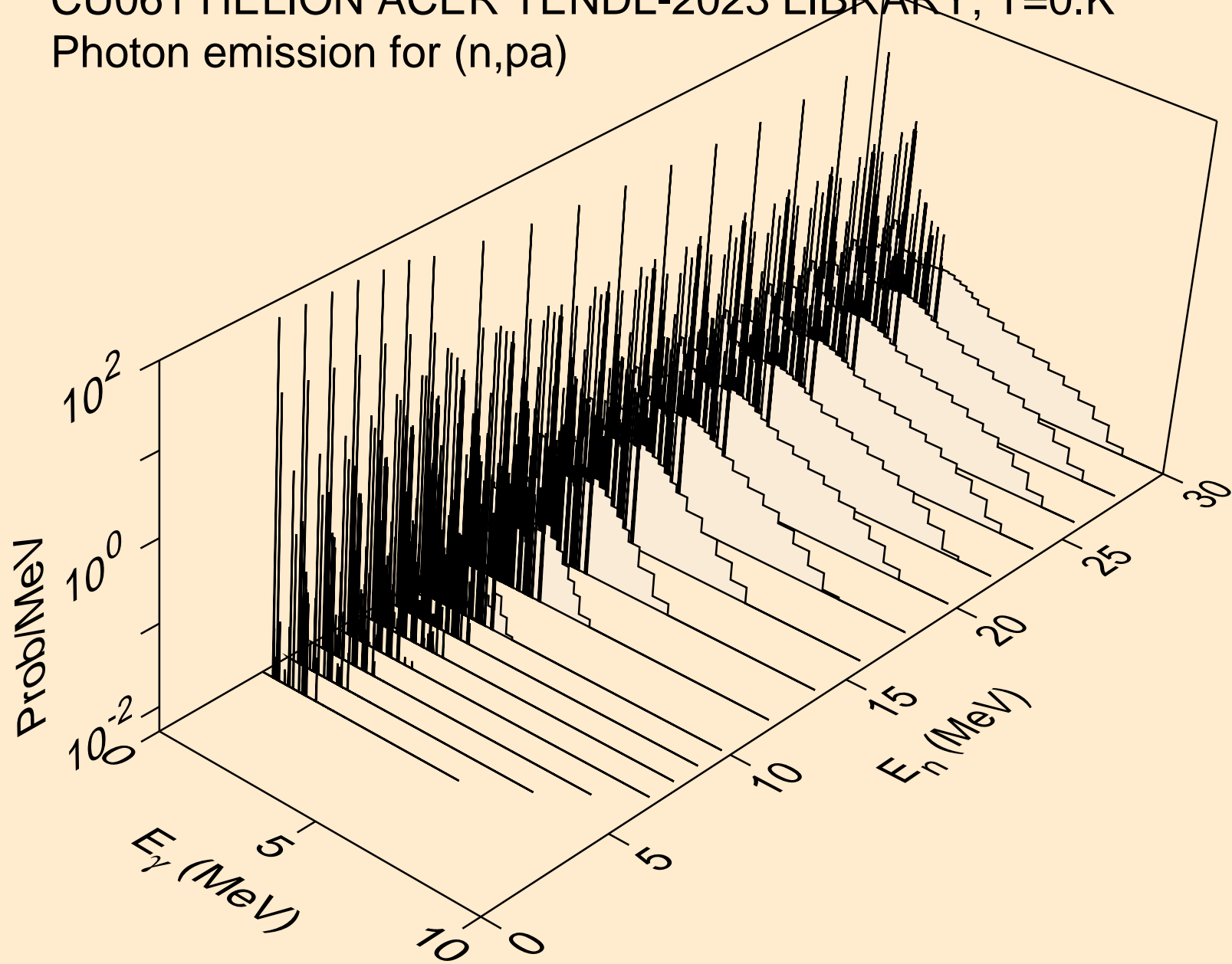
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Photon emission for (n,3a)



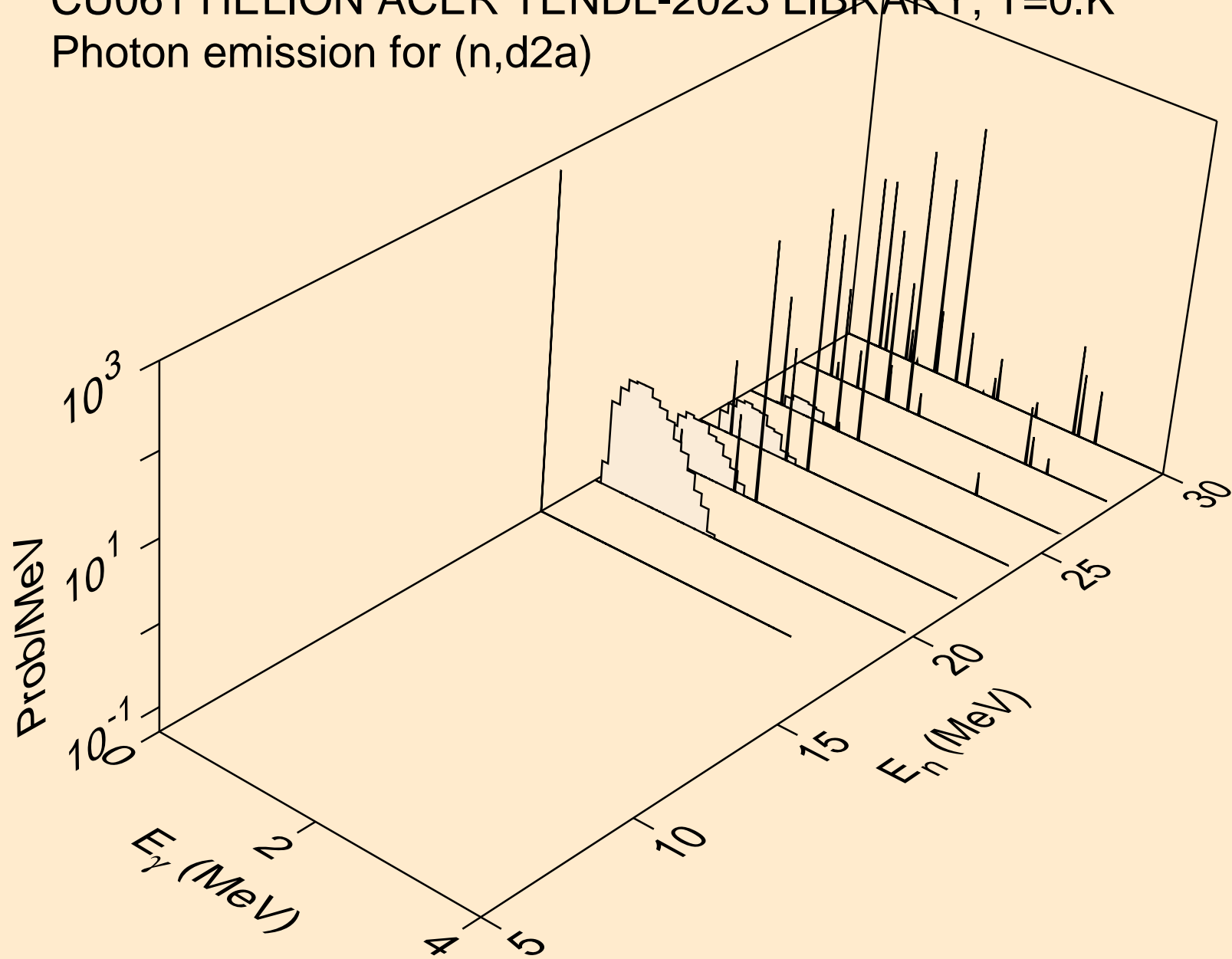
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Photon emission for (n,2p)



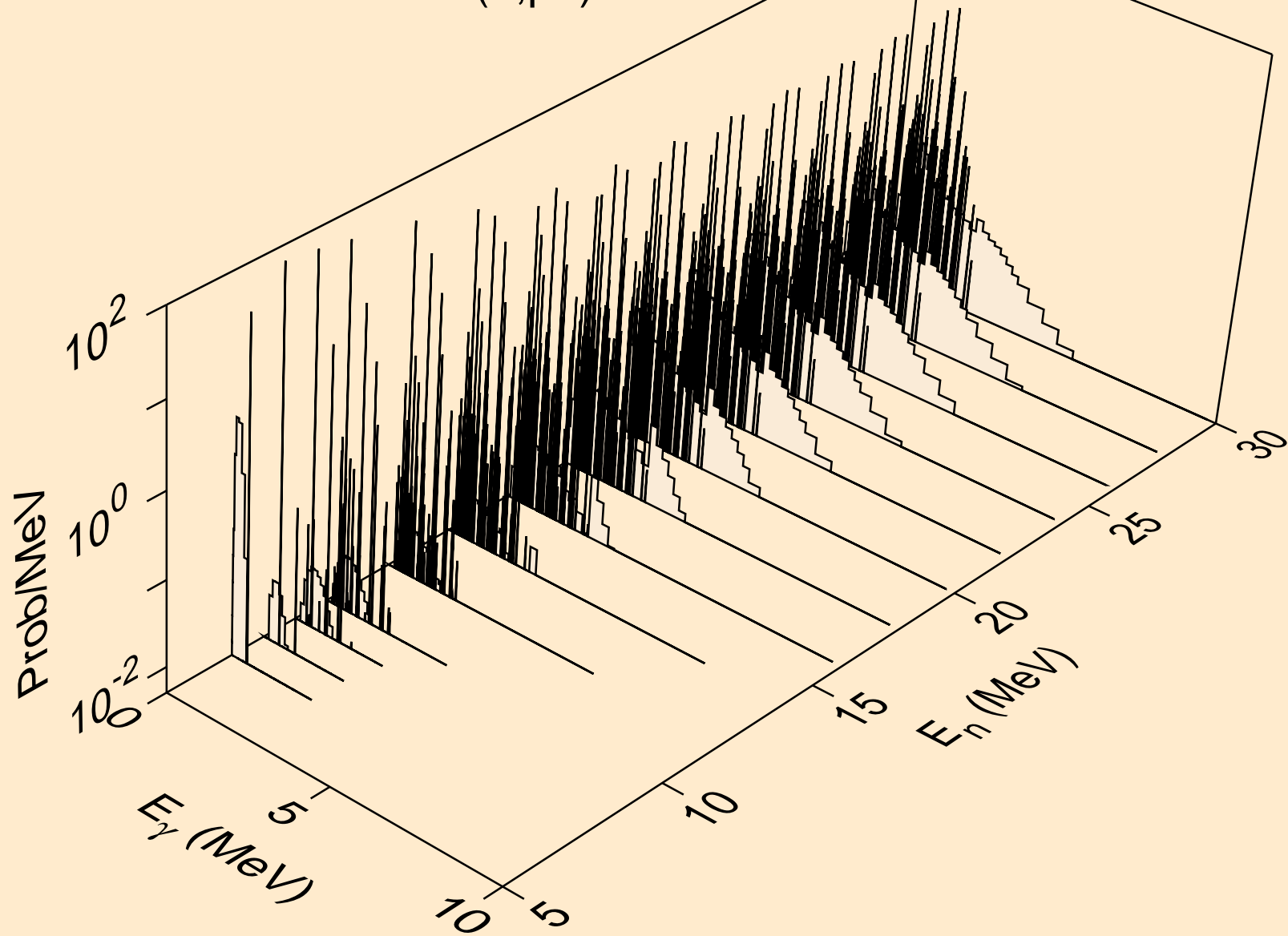
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Photon emission for (n,p $\alpha$ )



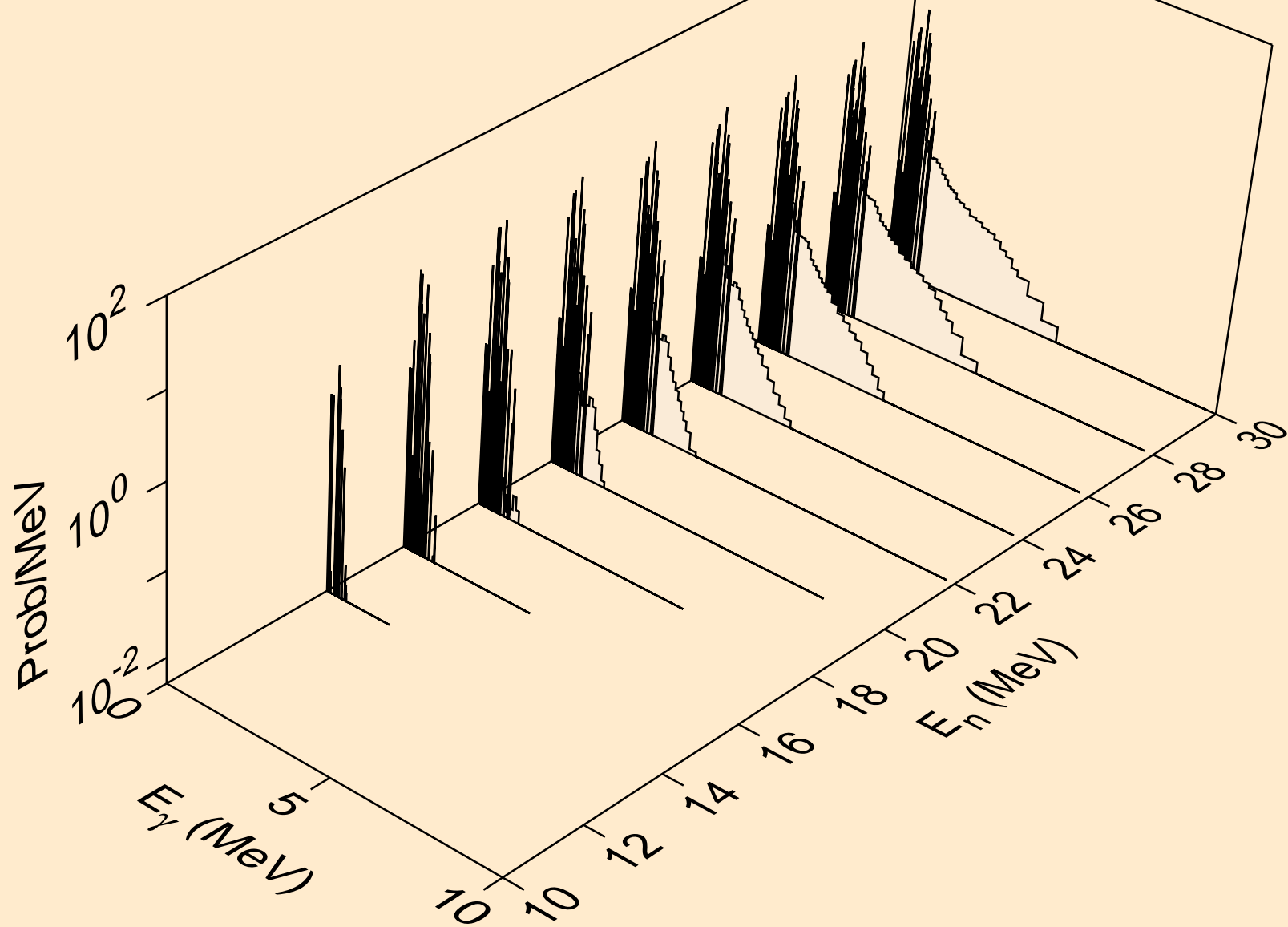
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Photon emission for (n,d2a)



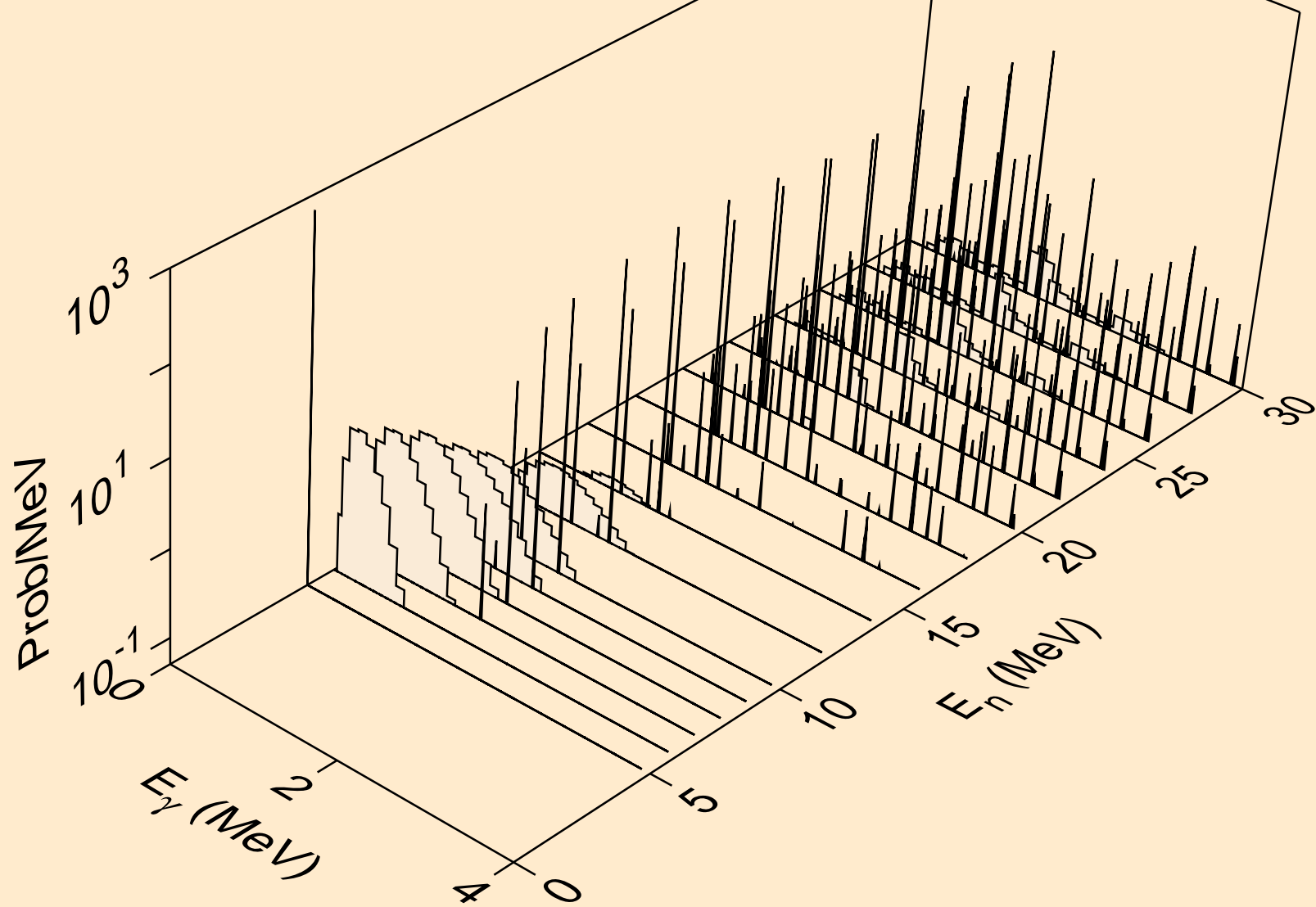
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

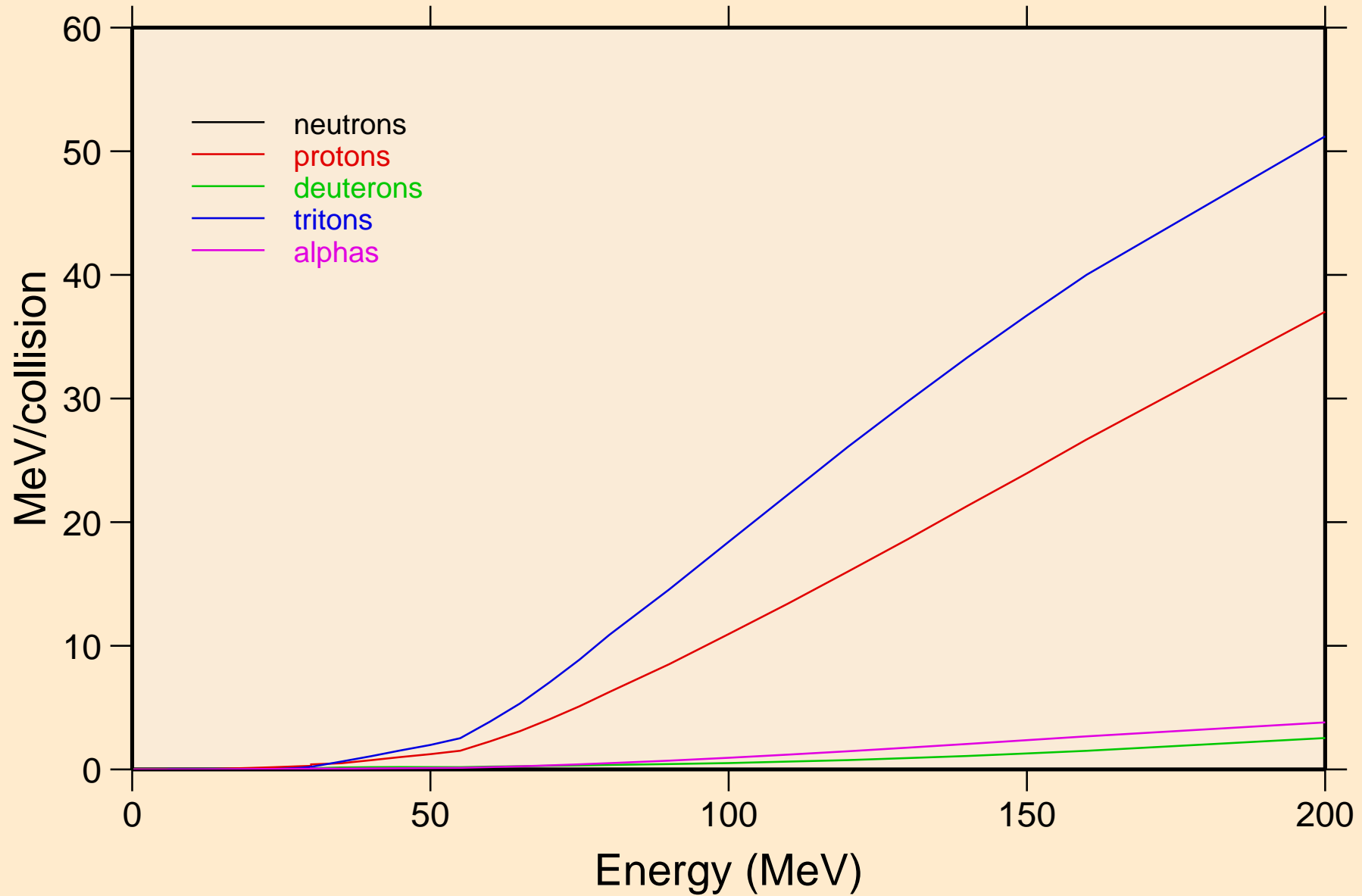


CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



# CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K

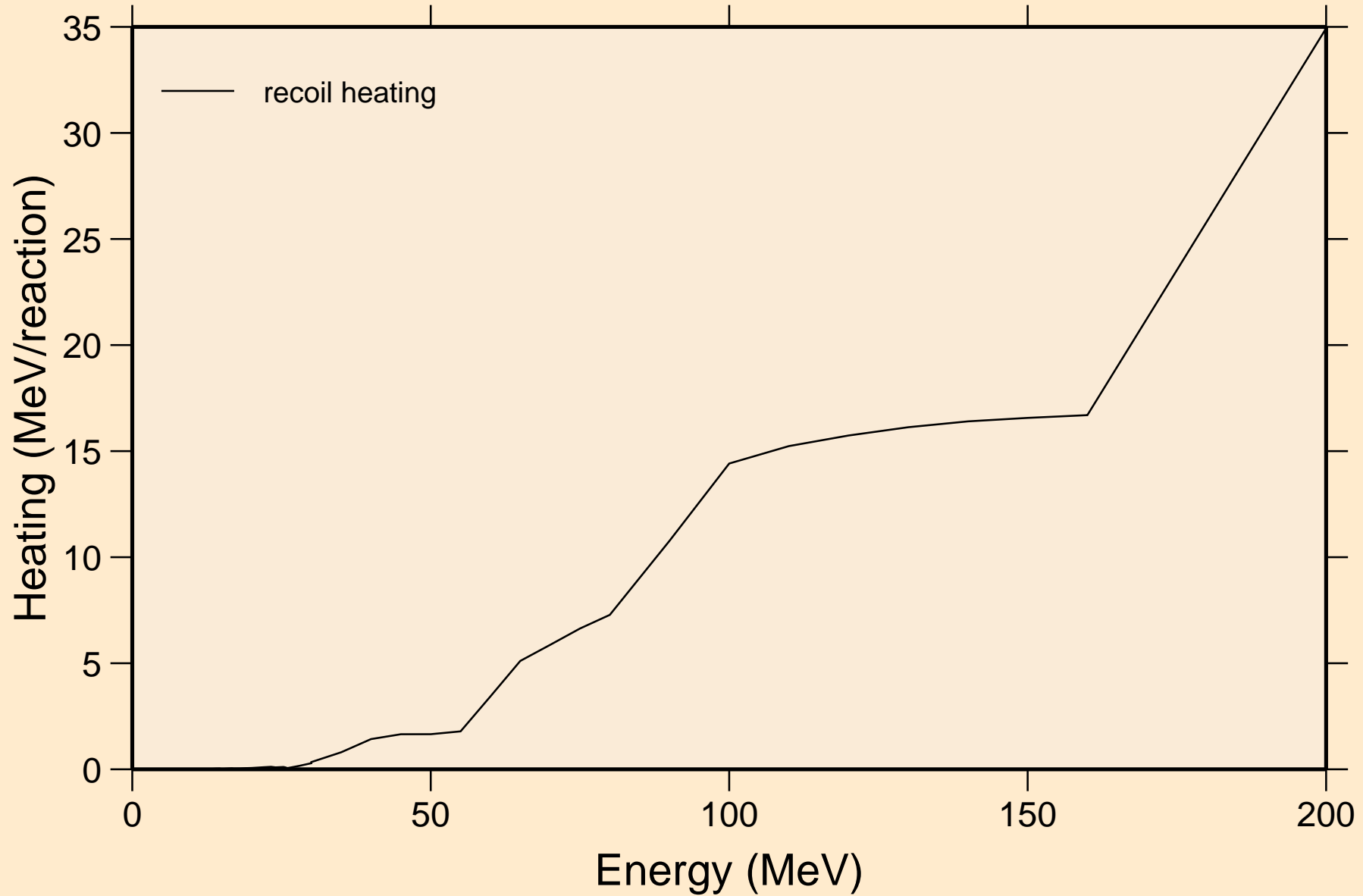
## Particle heating contributions



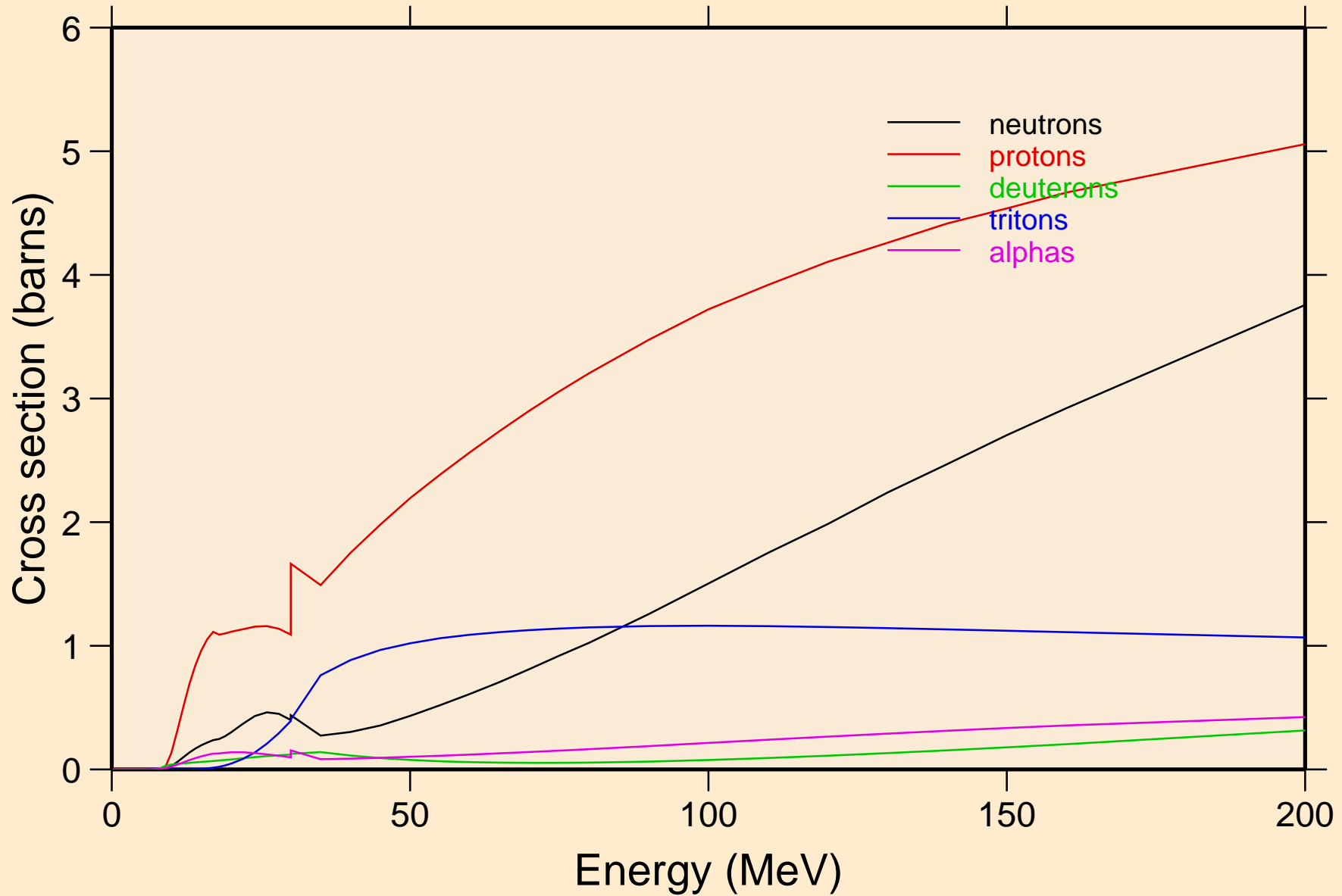


CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K

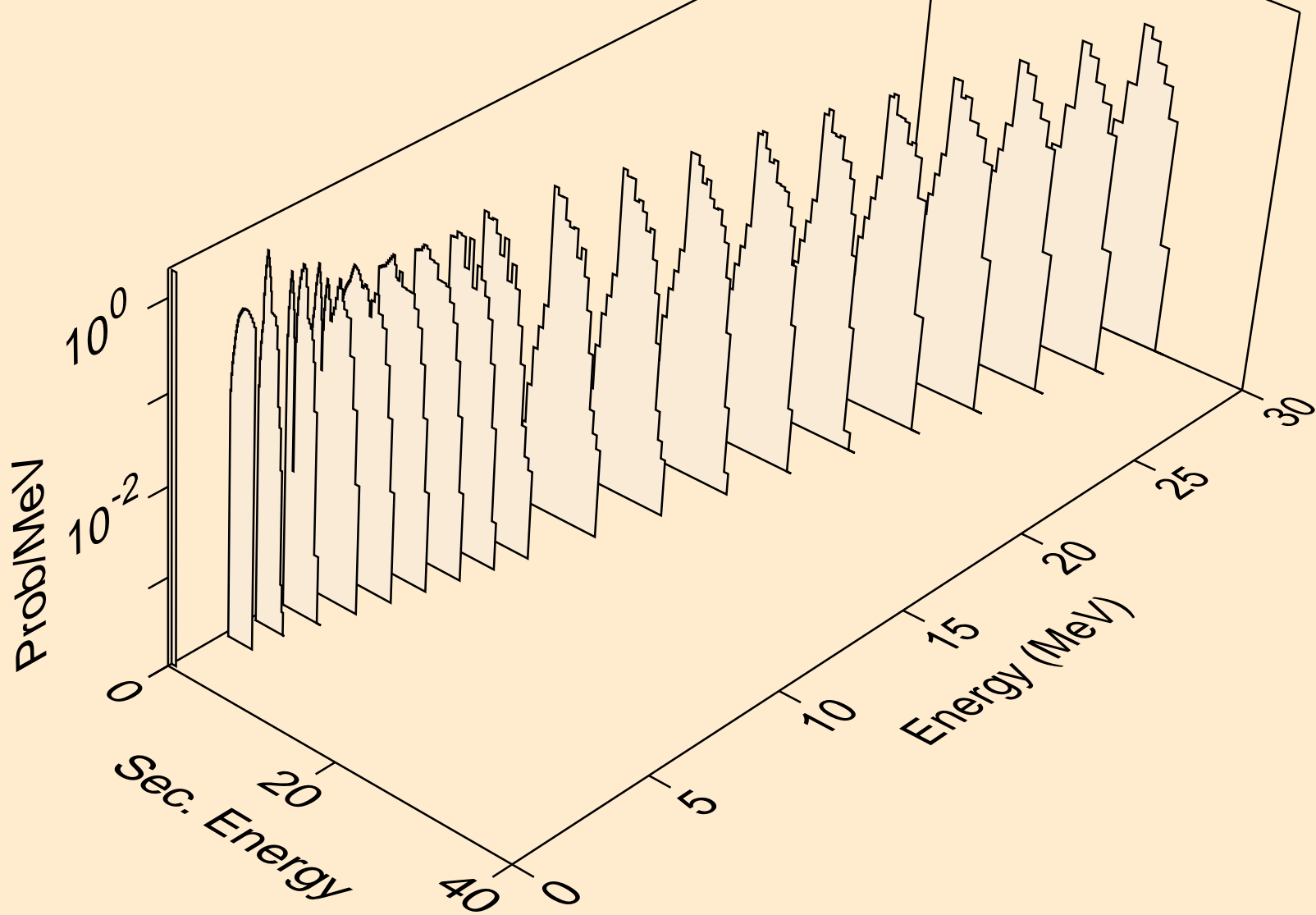
Recoil Heating



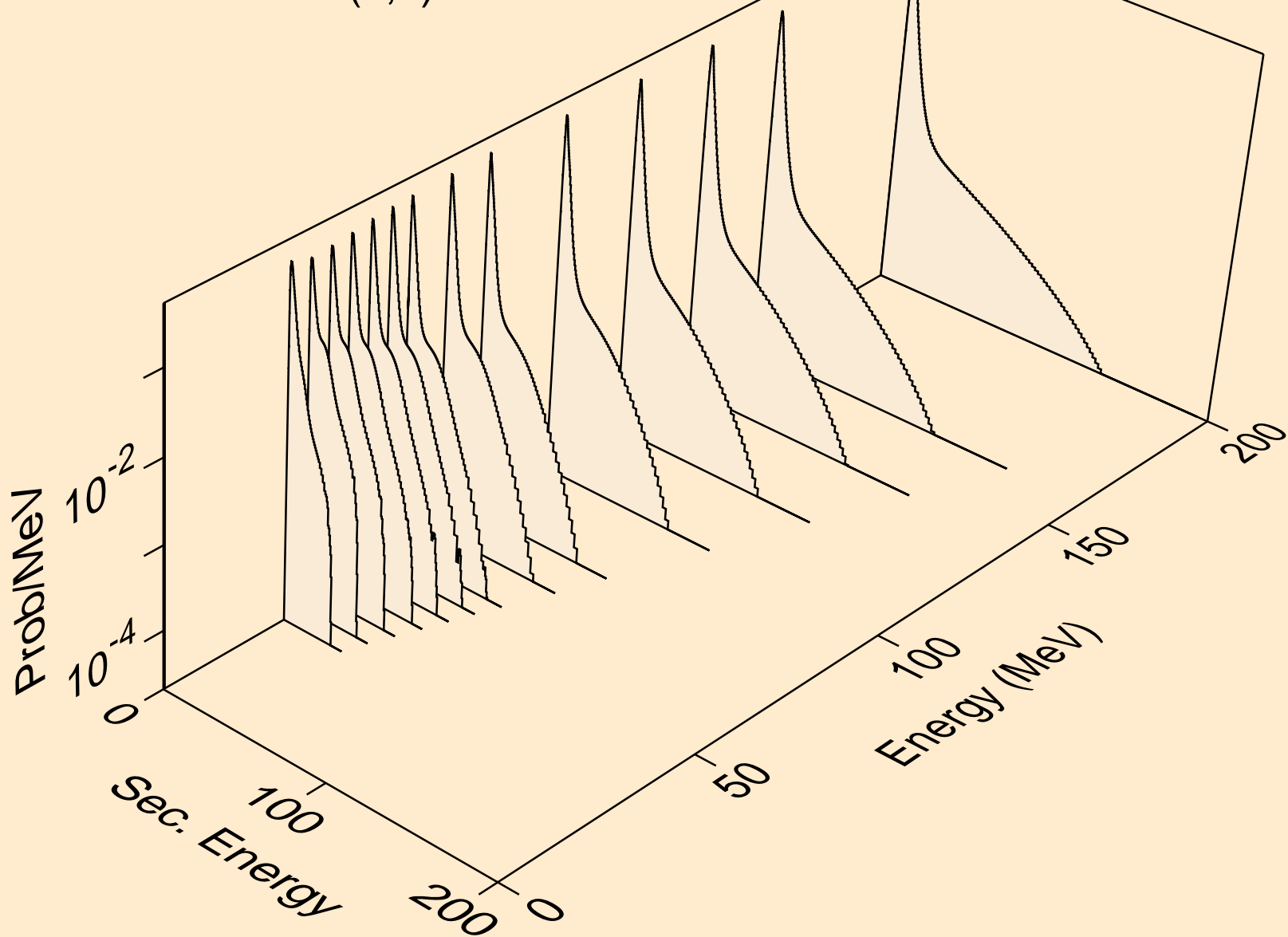
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



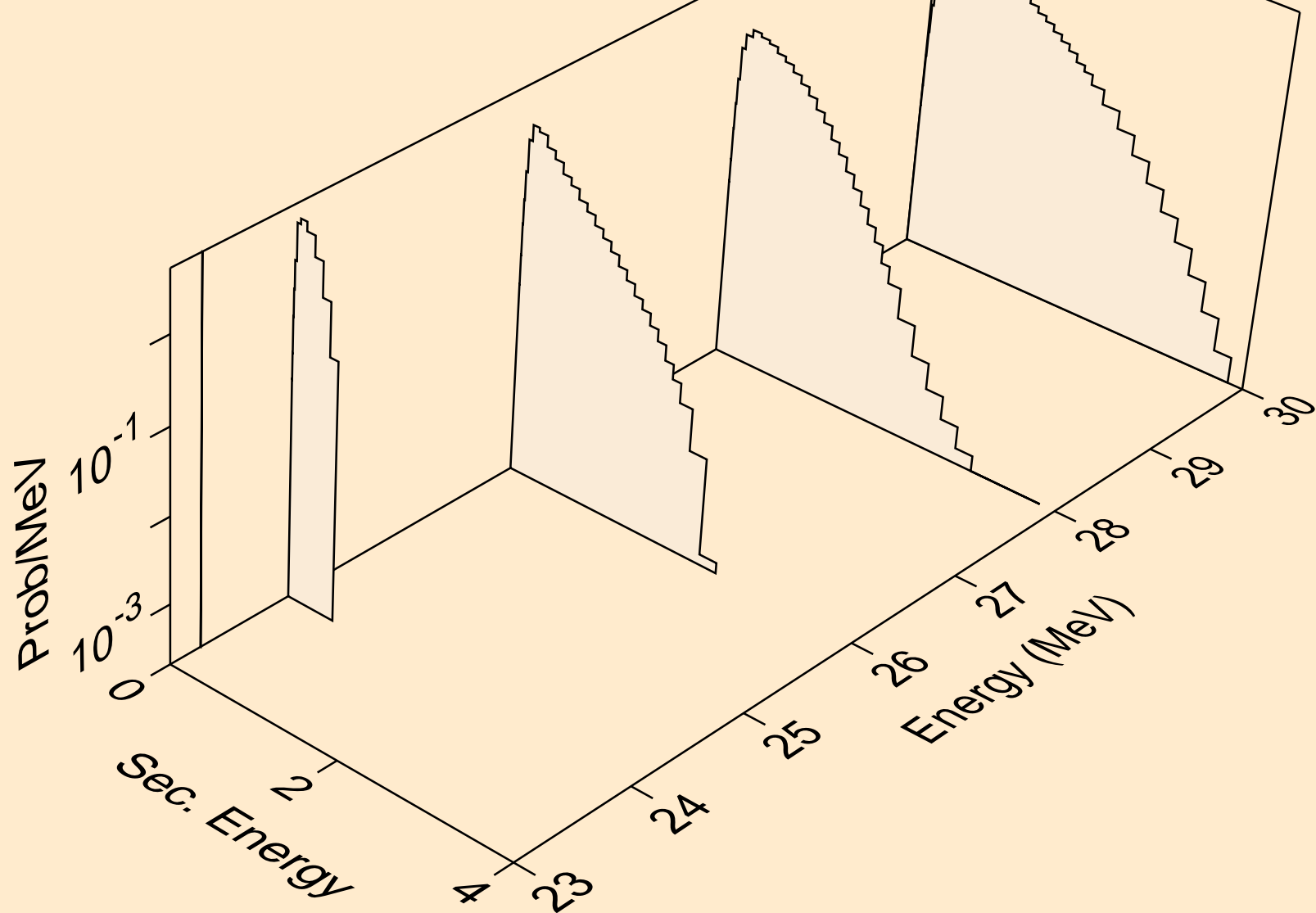
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



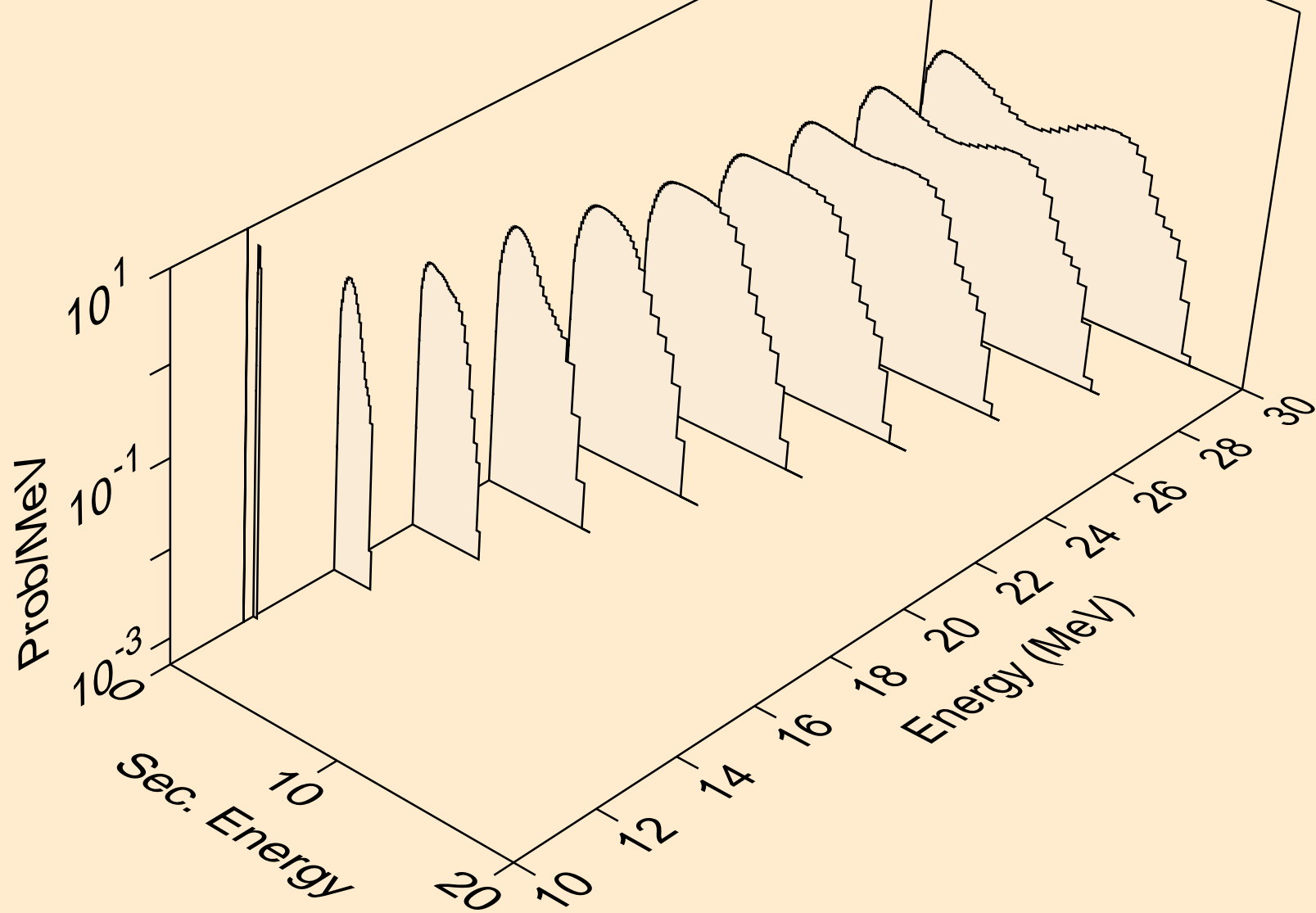
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,x)



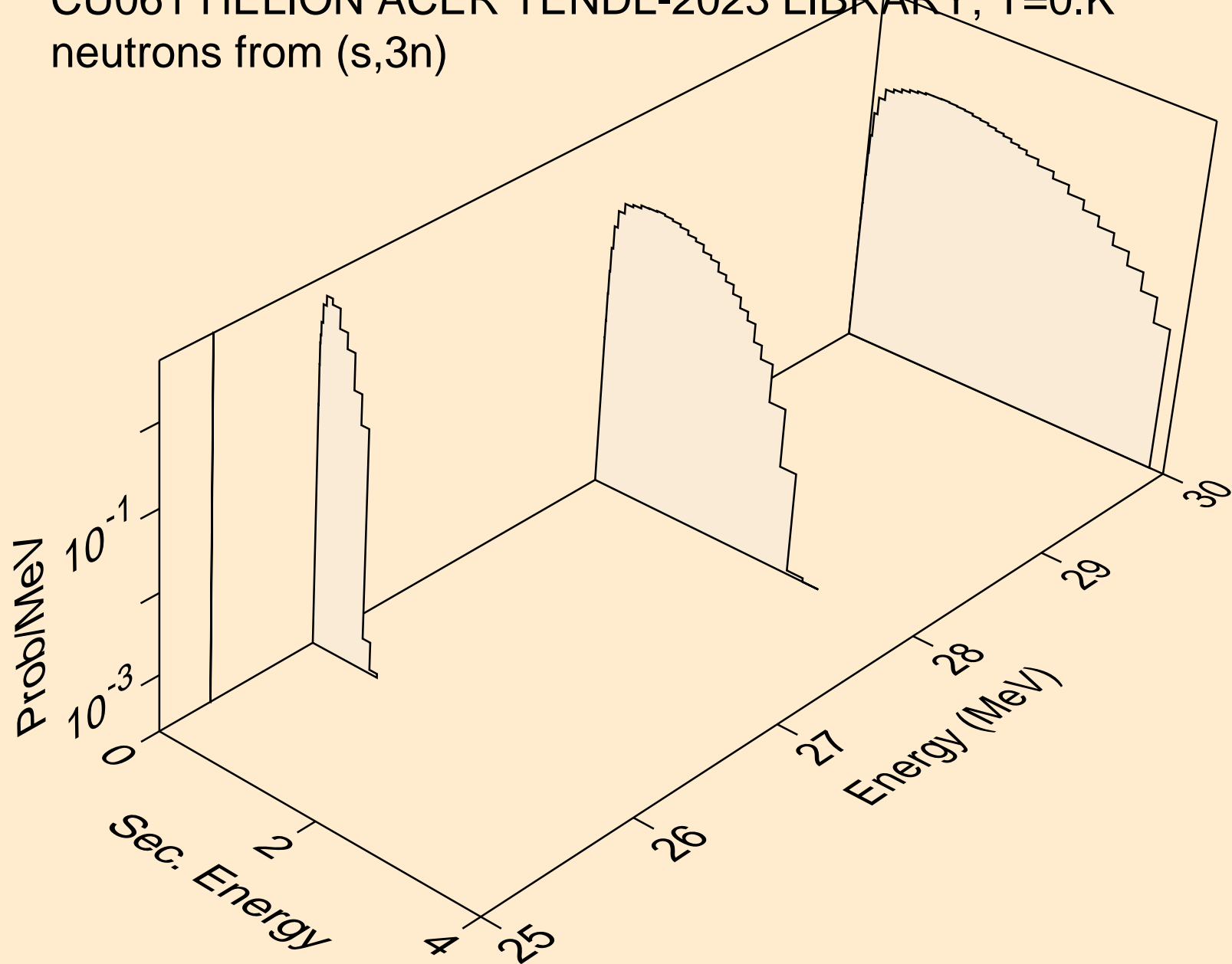
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neutrons from (s,2nd)



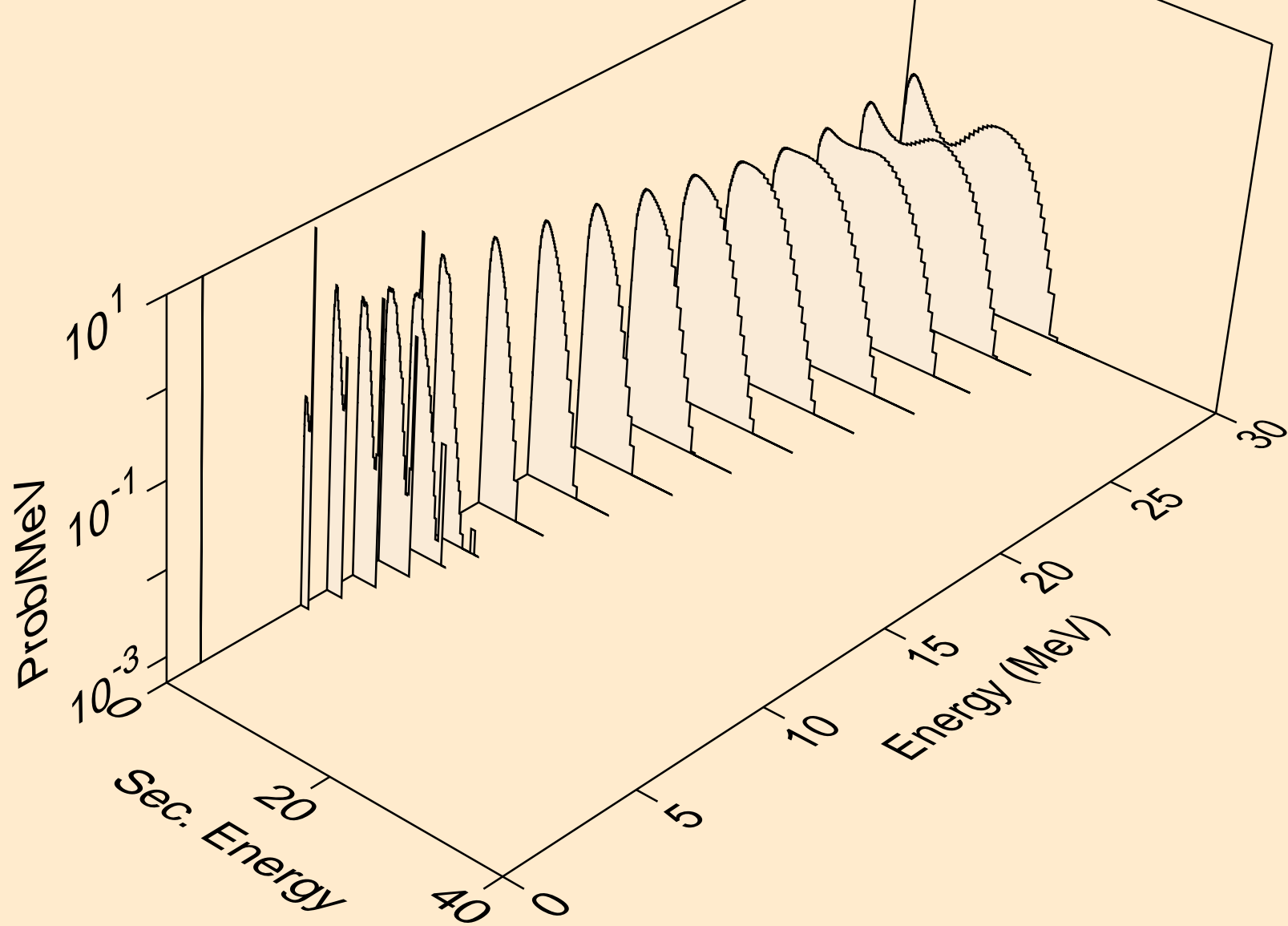
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)



CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3n)

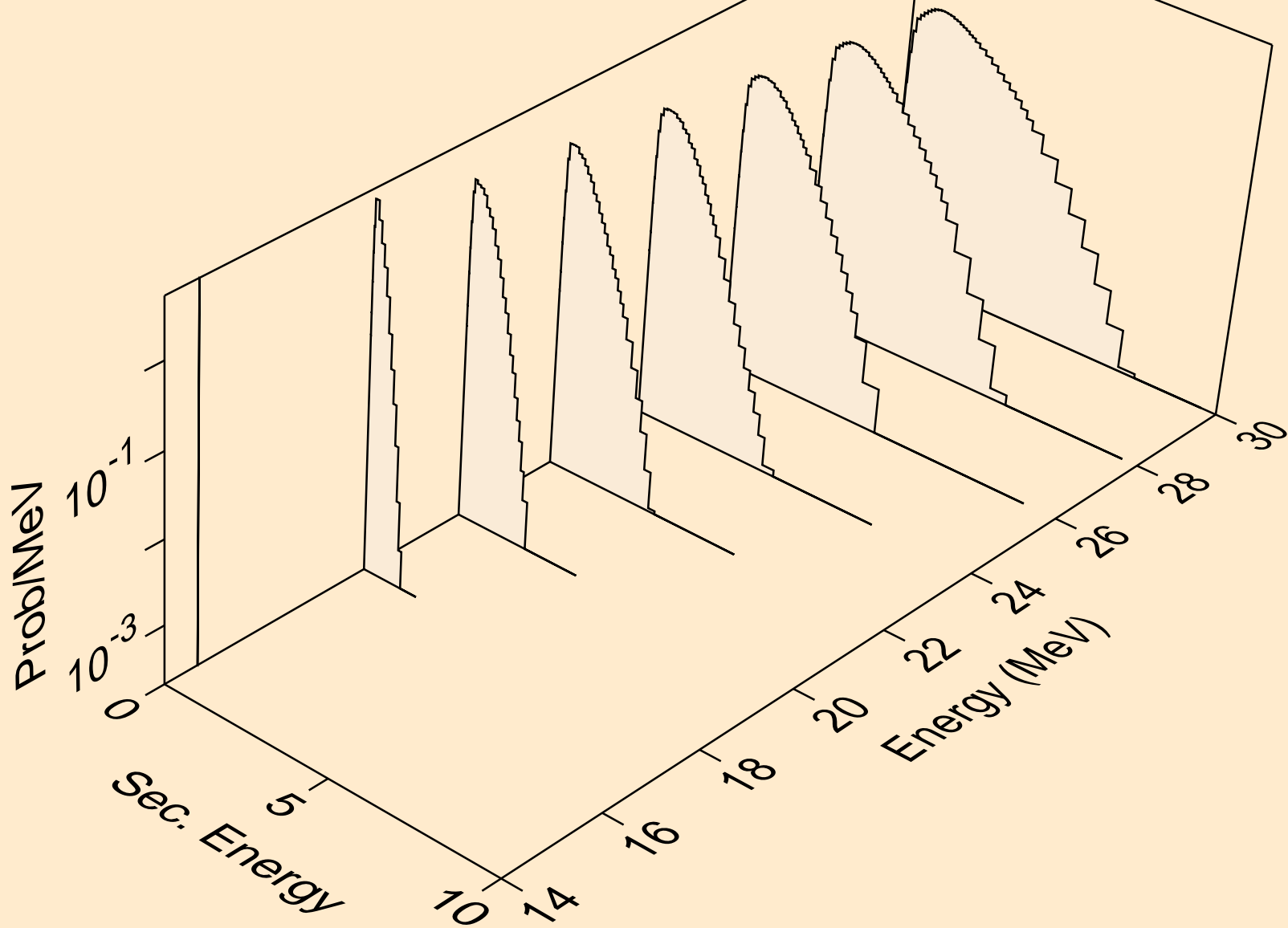


CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a

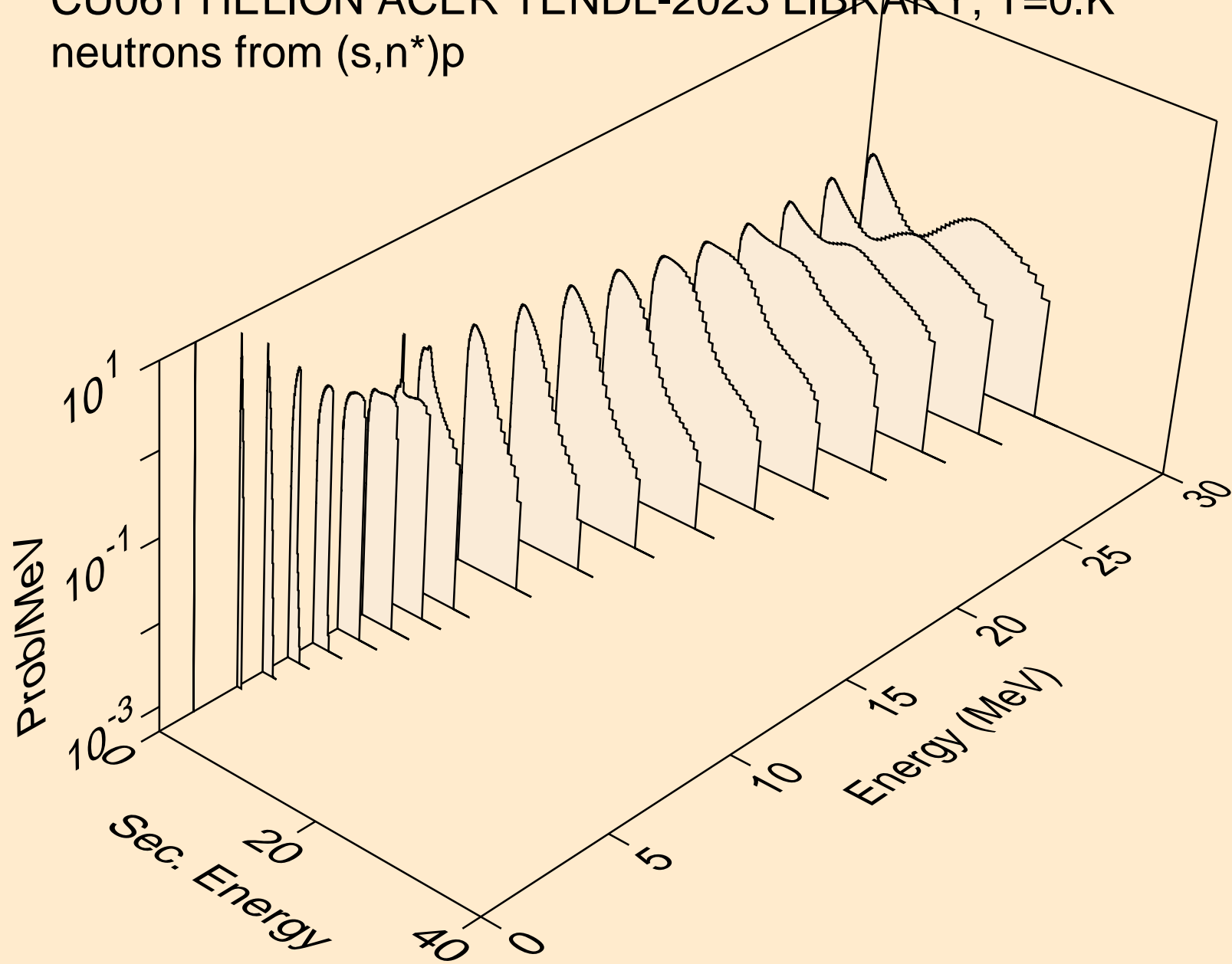




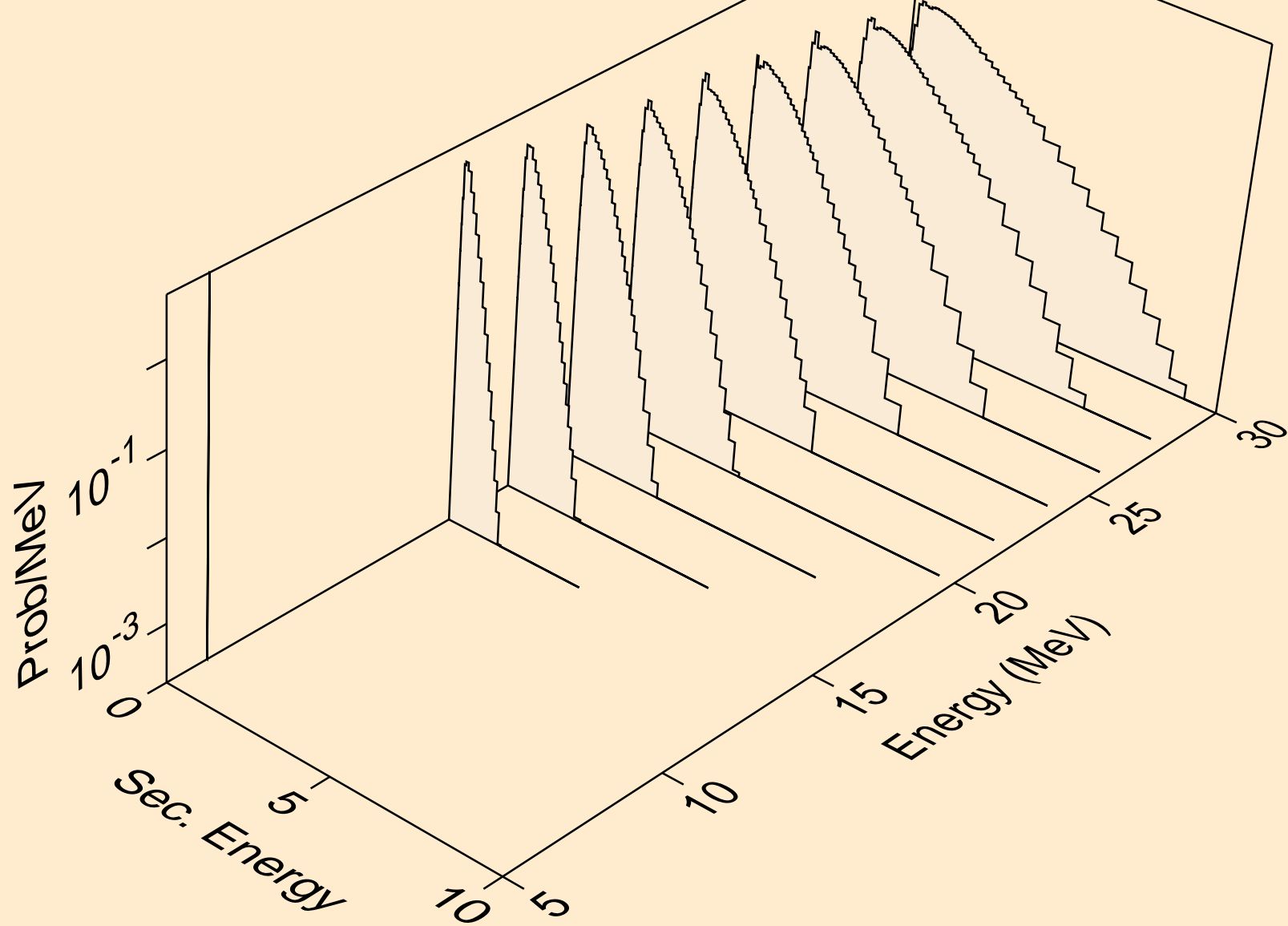
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)a



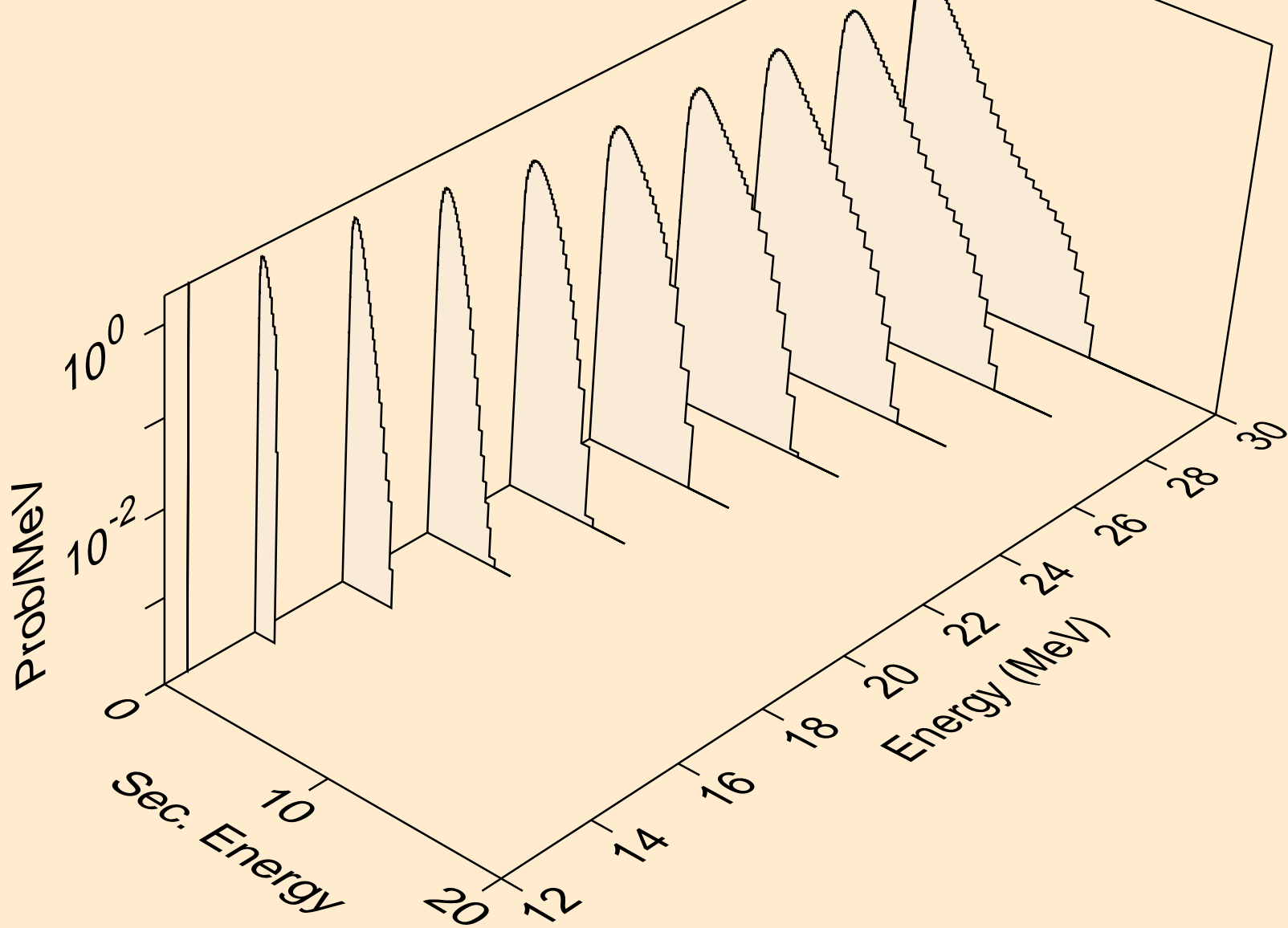
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neutrons from (s,n\*)p



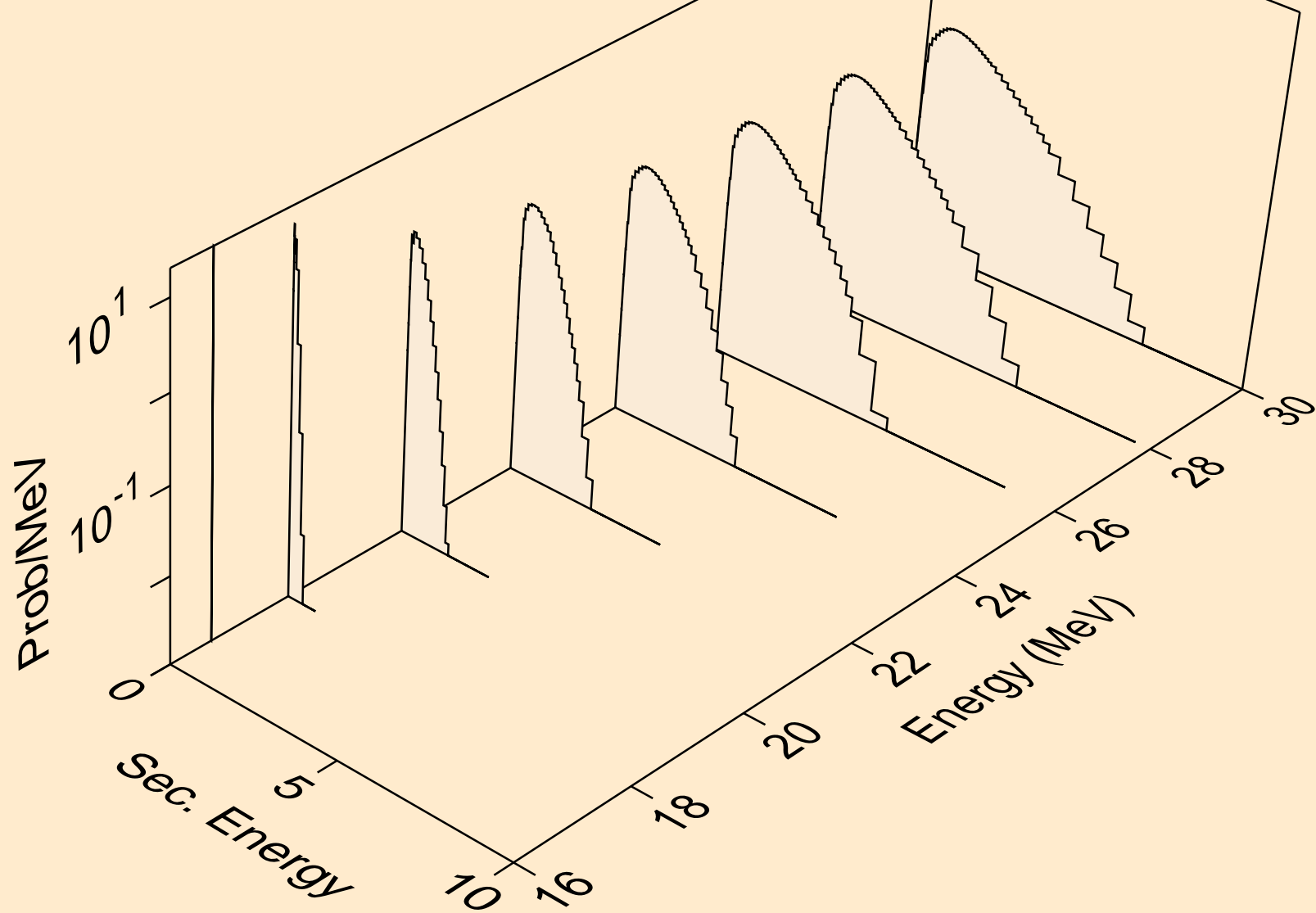
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neutrons from (s,n\*)2a



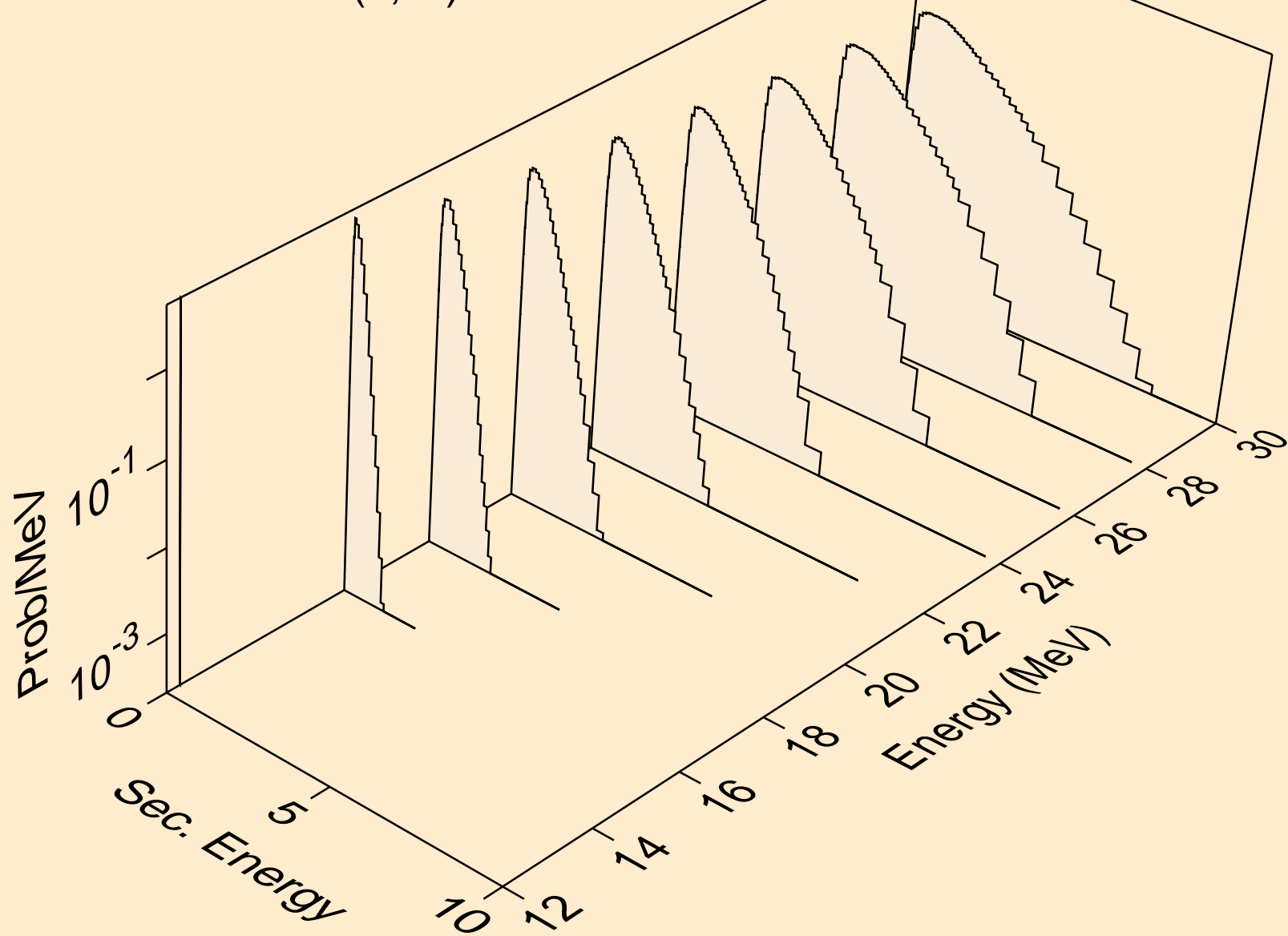
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neutrons from (s,n\*)d



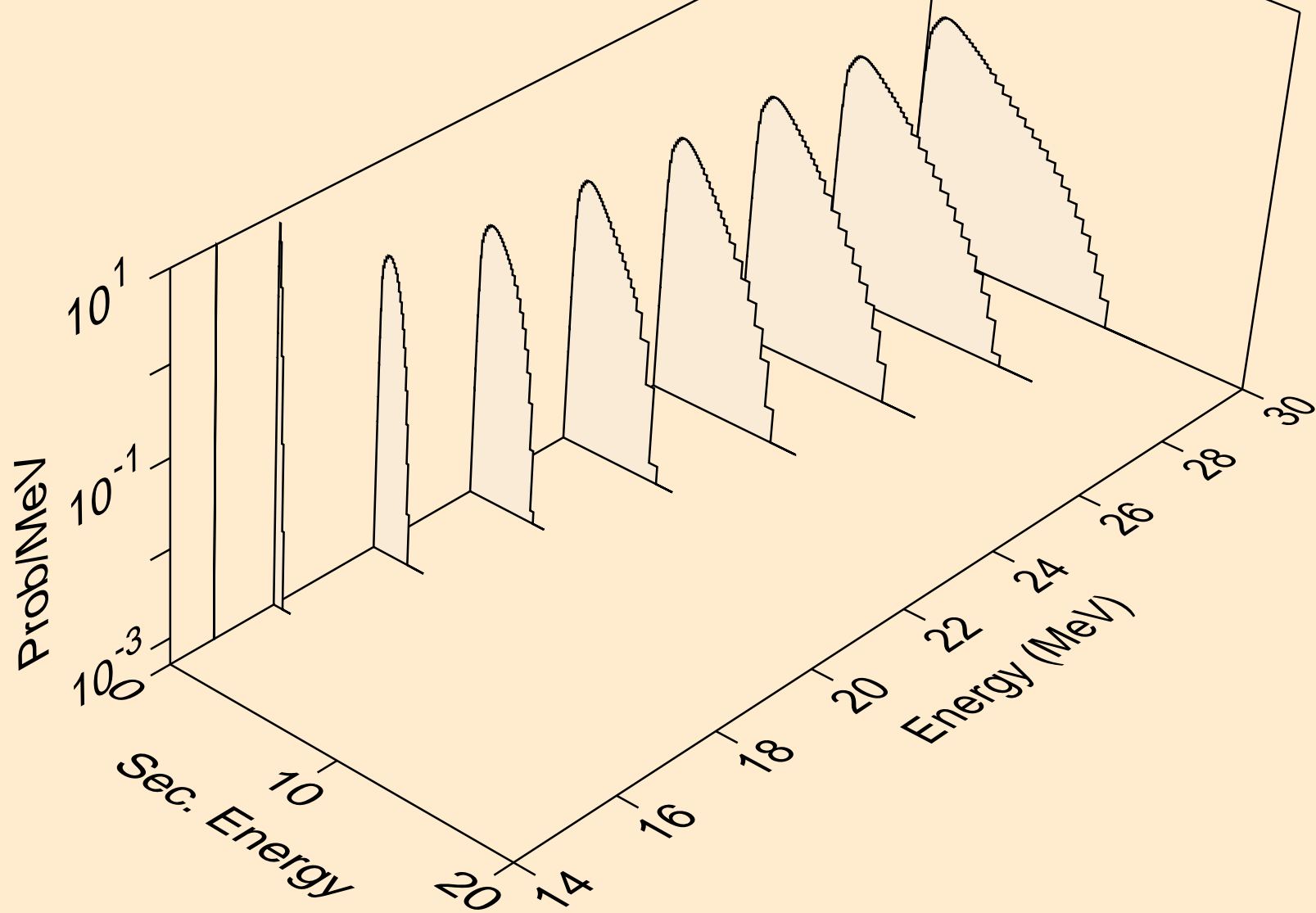
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)t



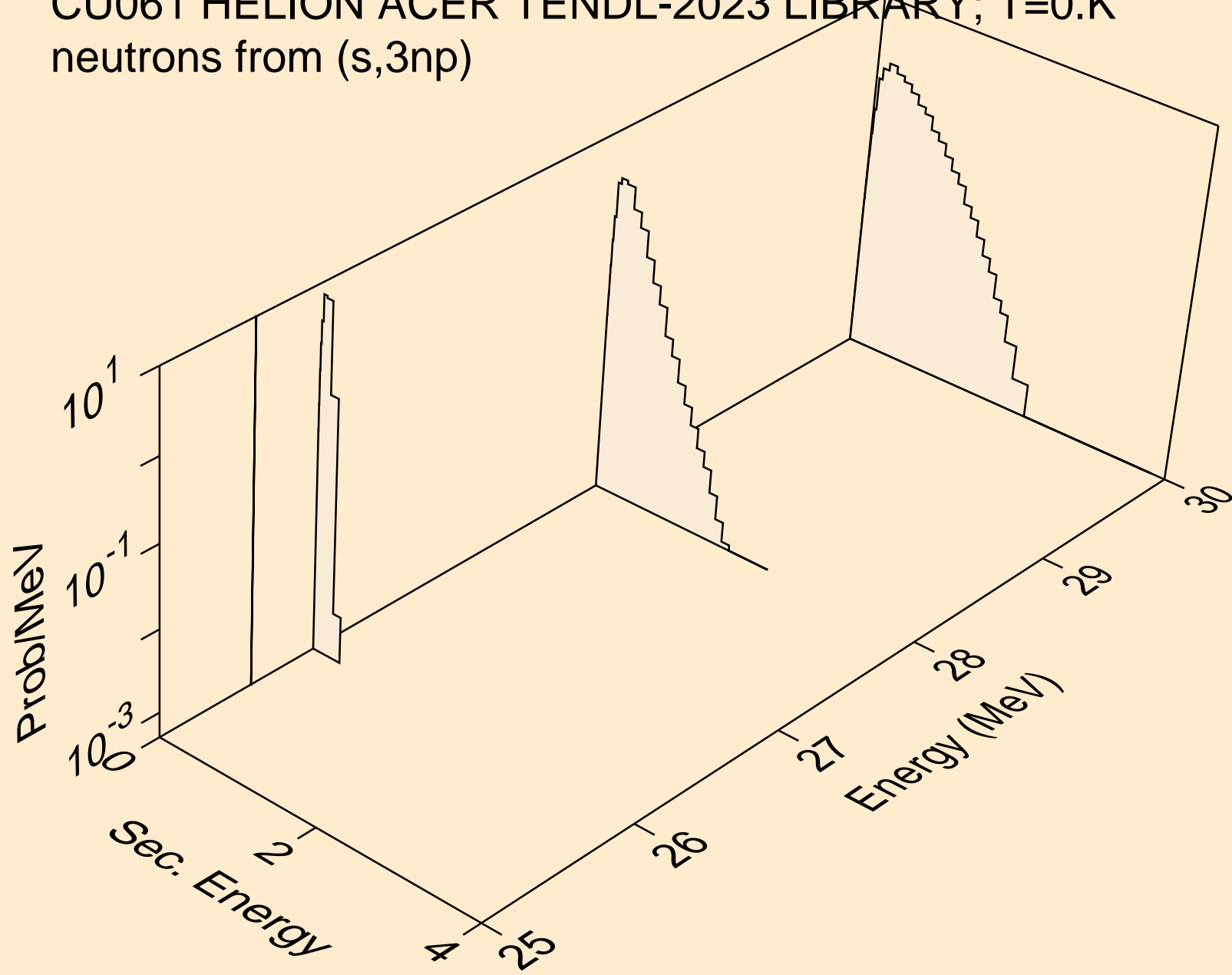
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3



CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2np)

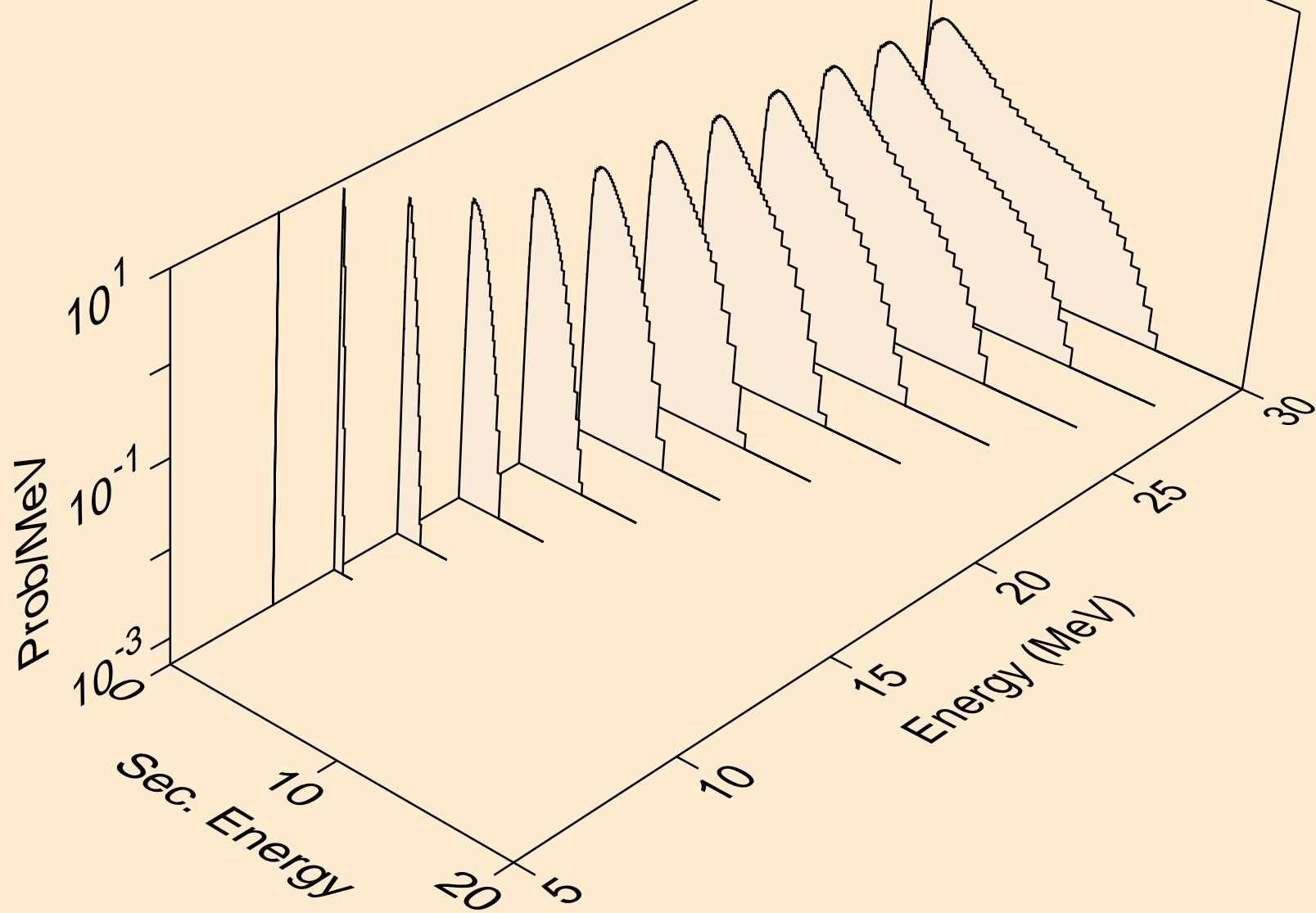


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neutrons from (s,3np)

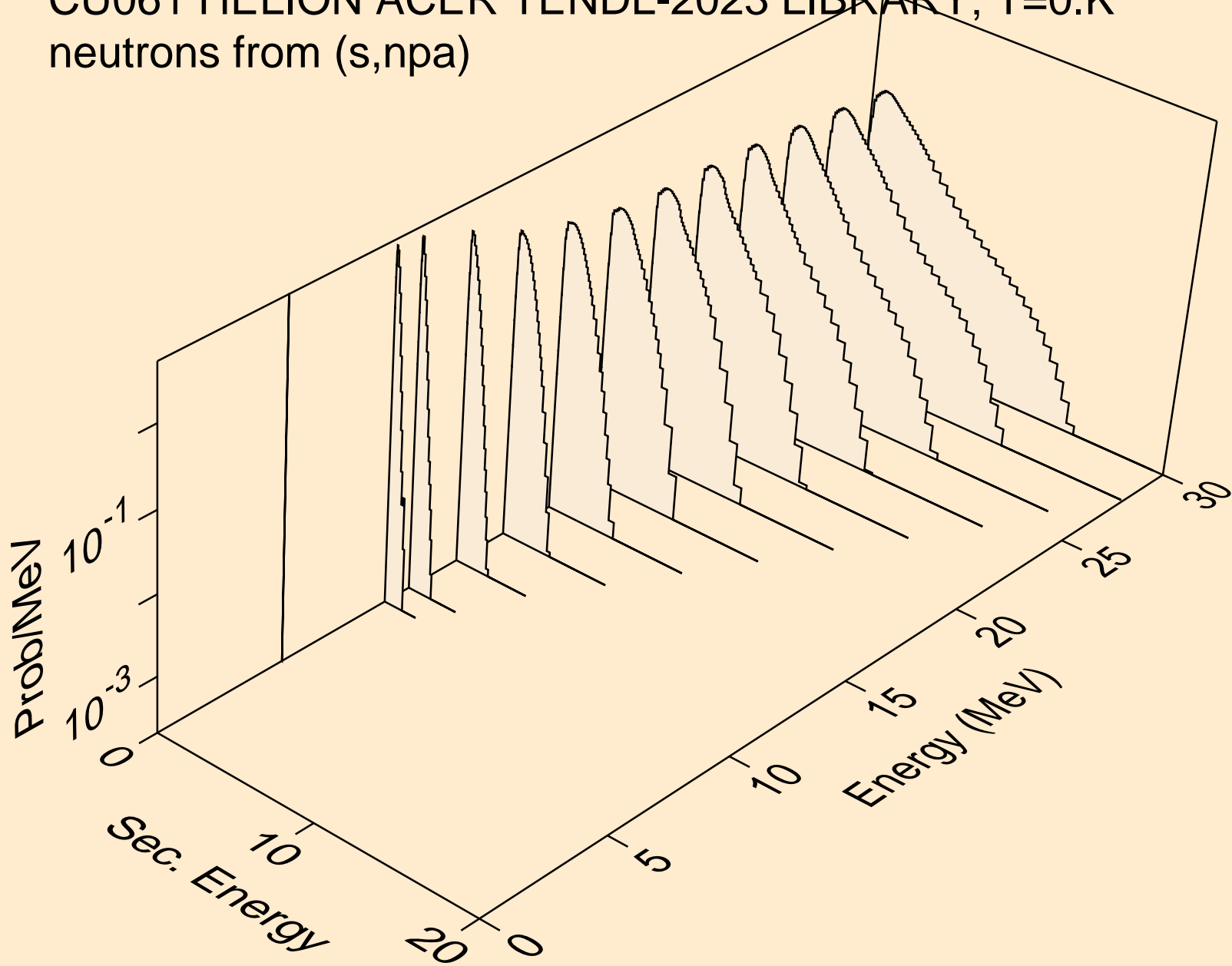




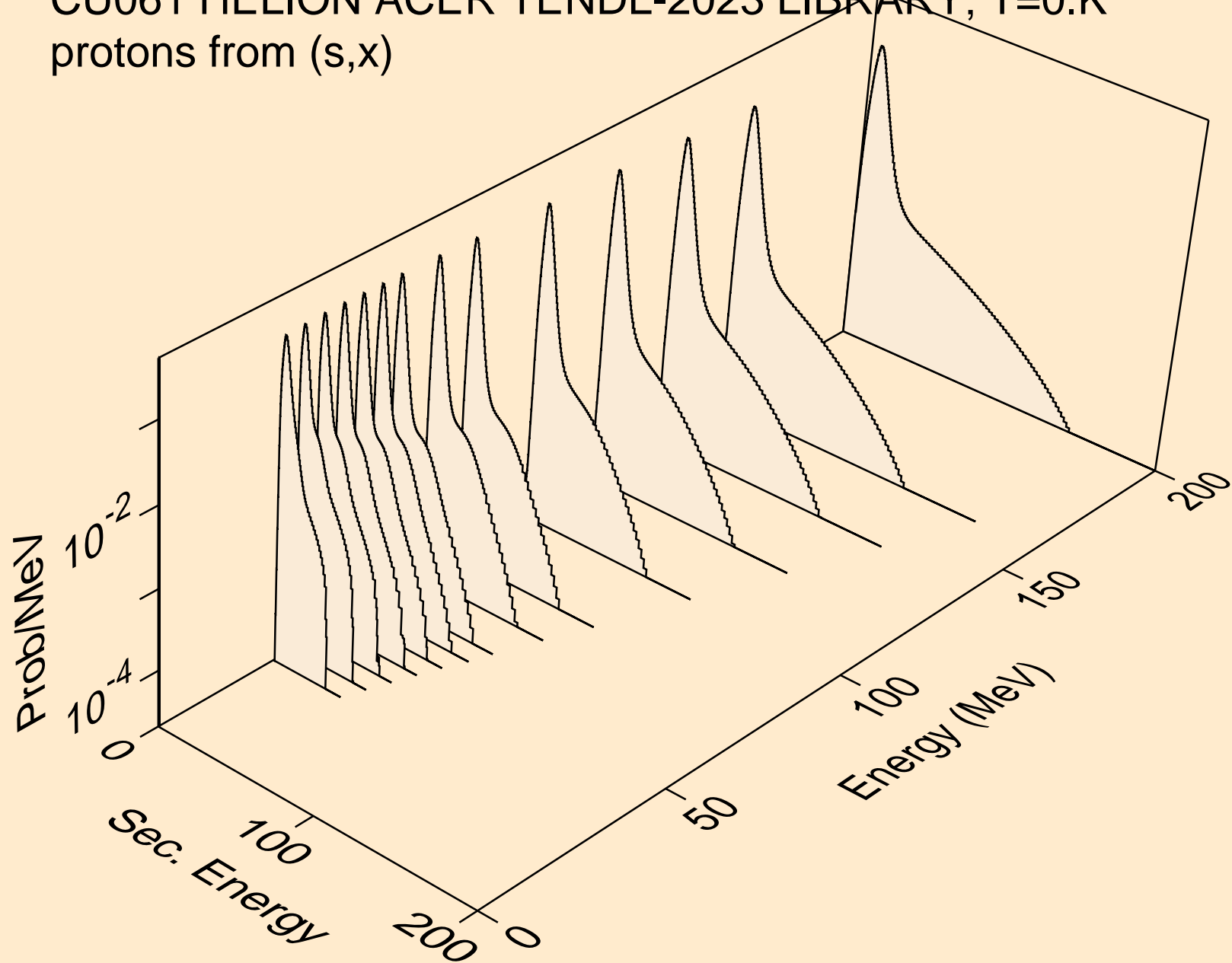
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neutrons from (s,n2p)



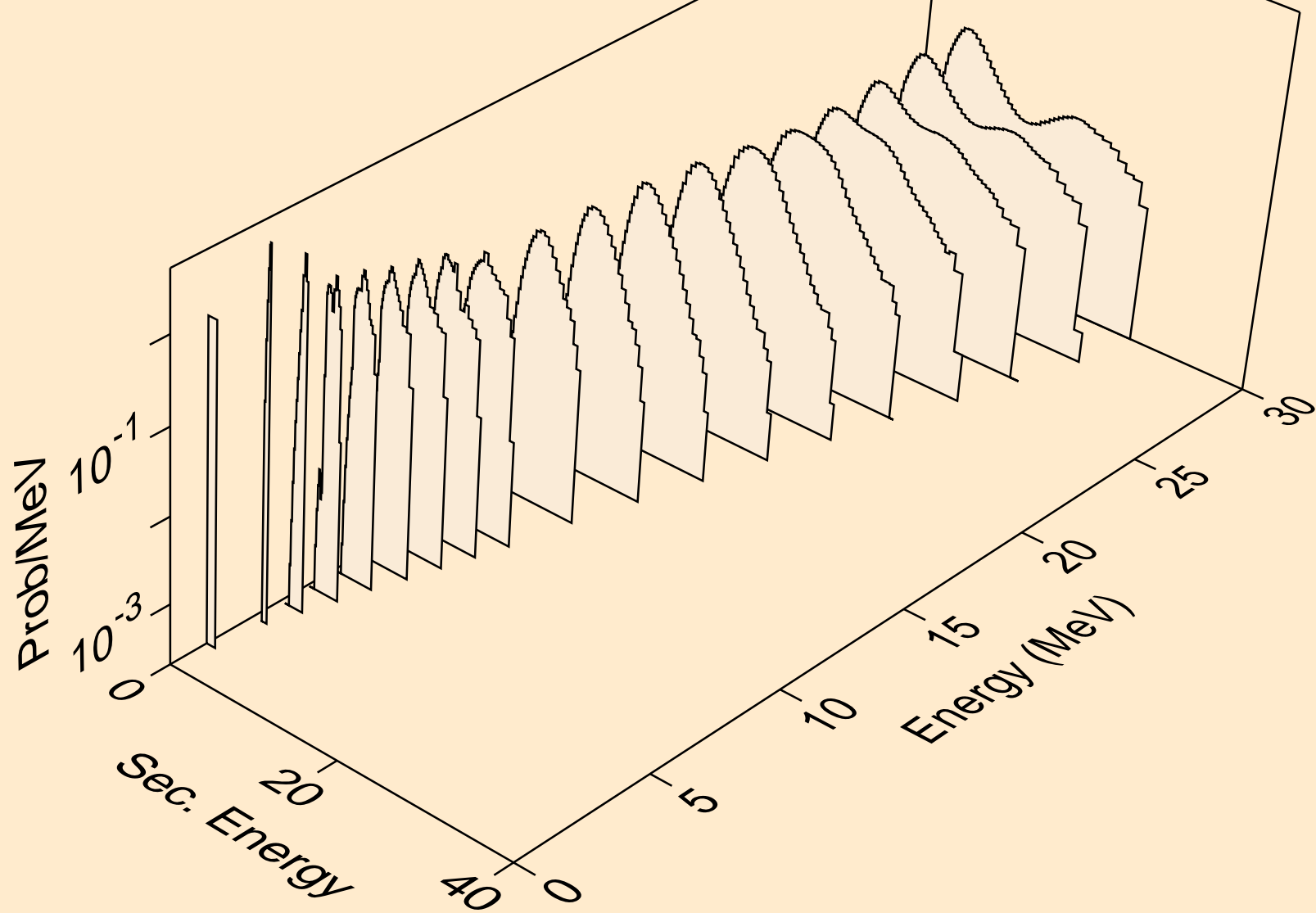
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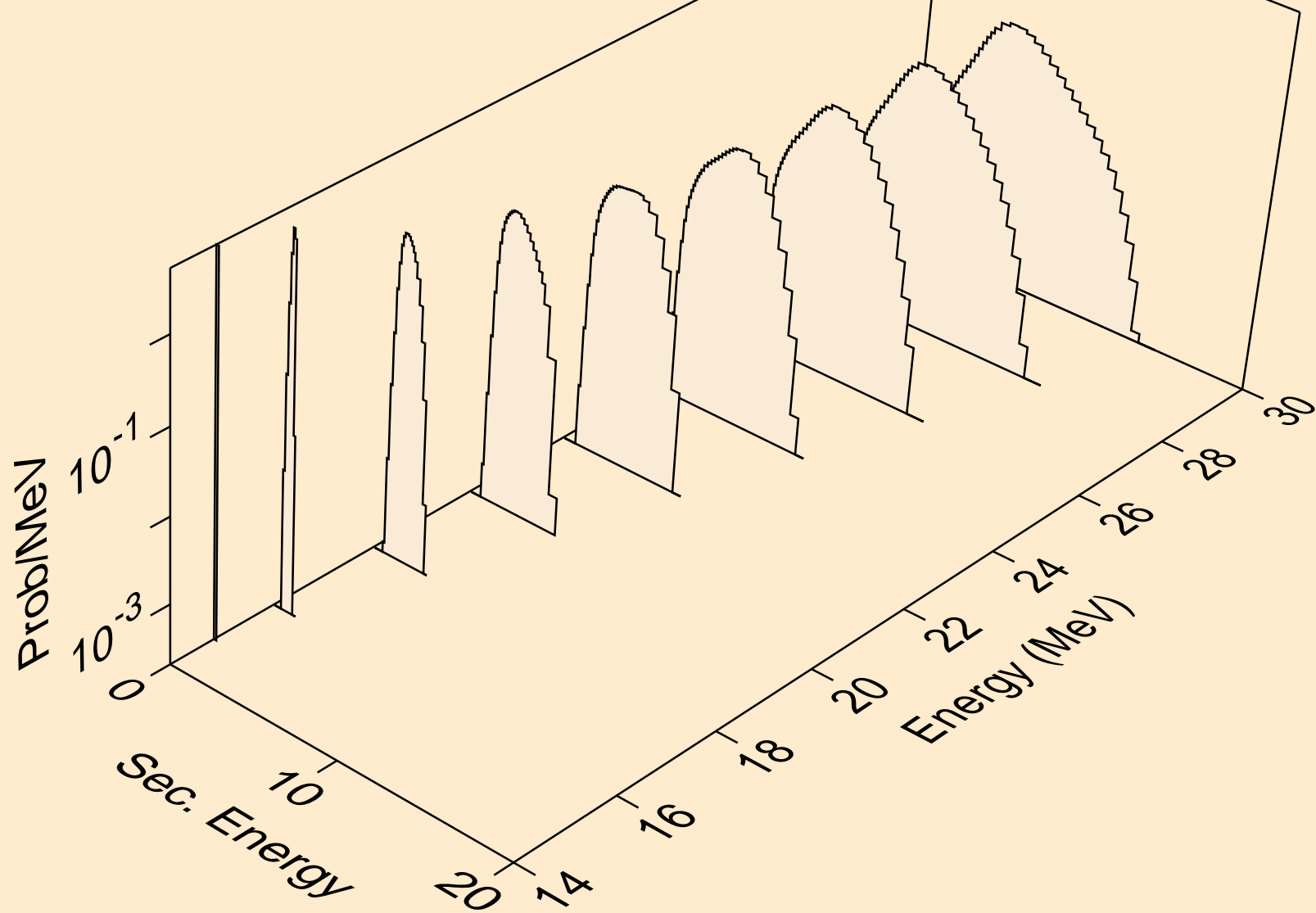
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,x)



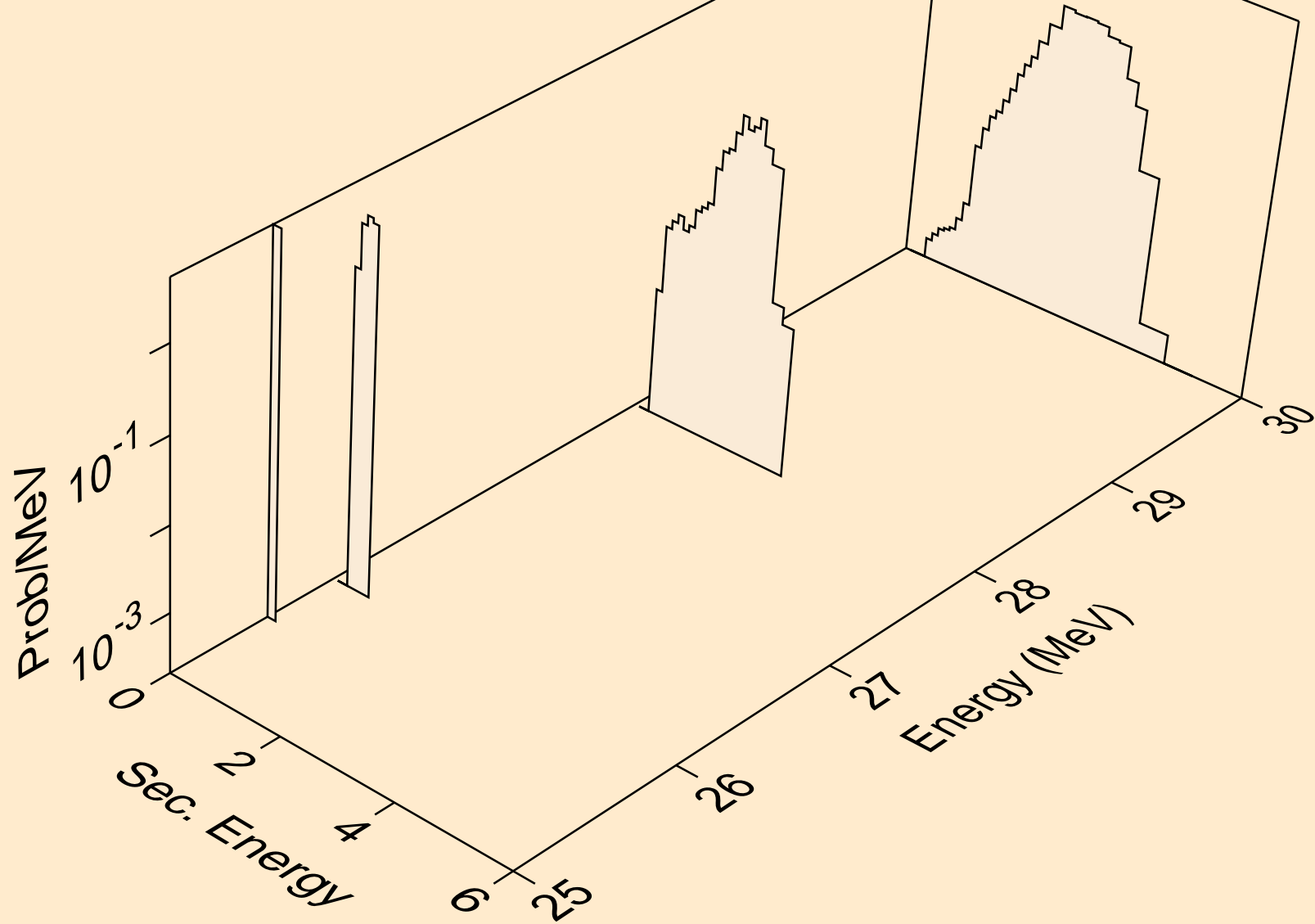
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protons from (s,n\*)p



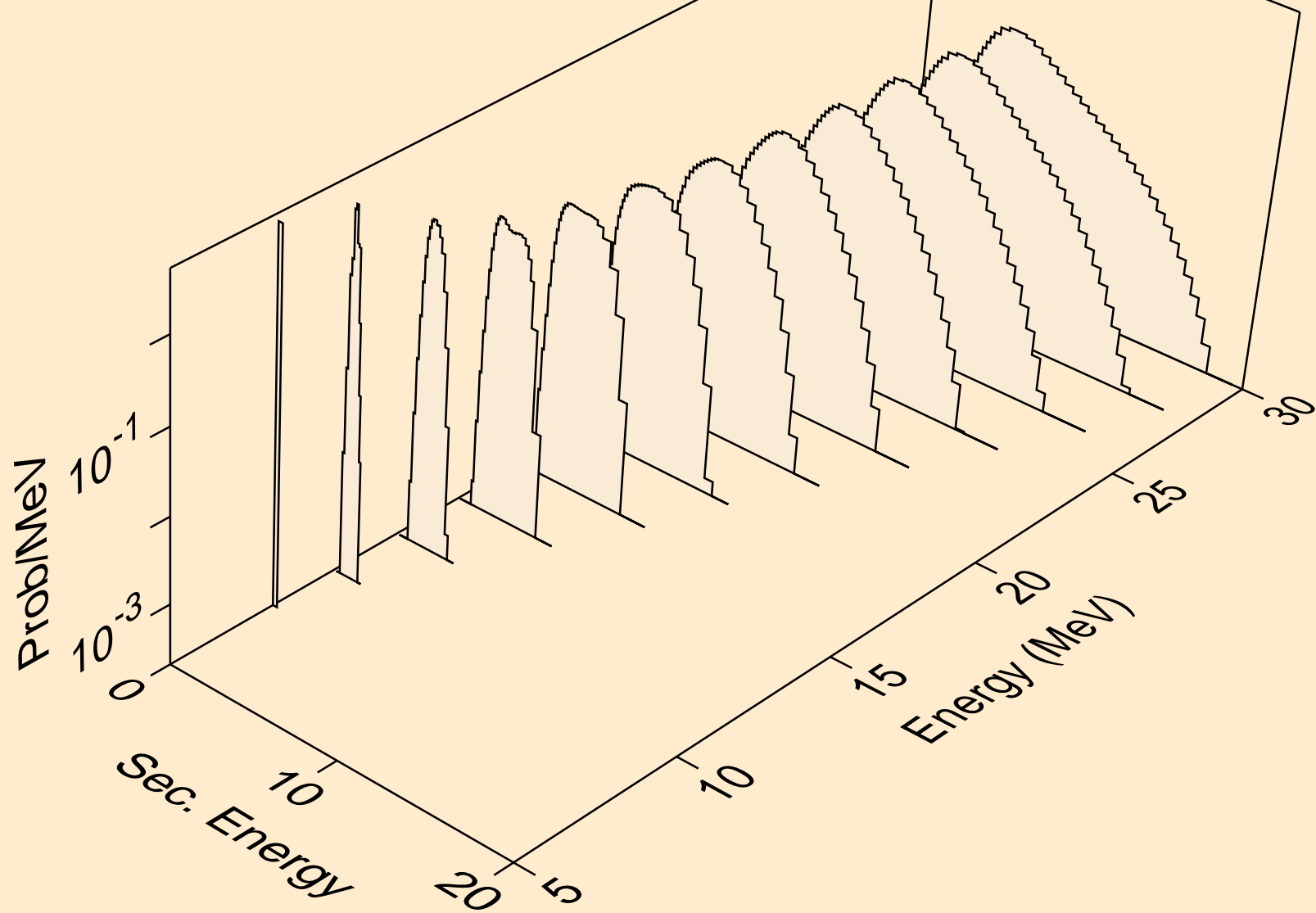
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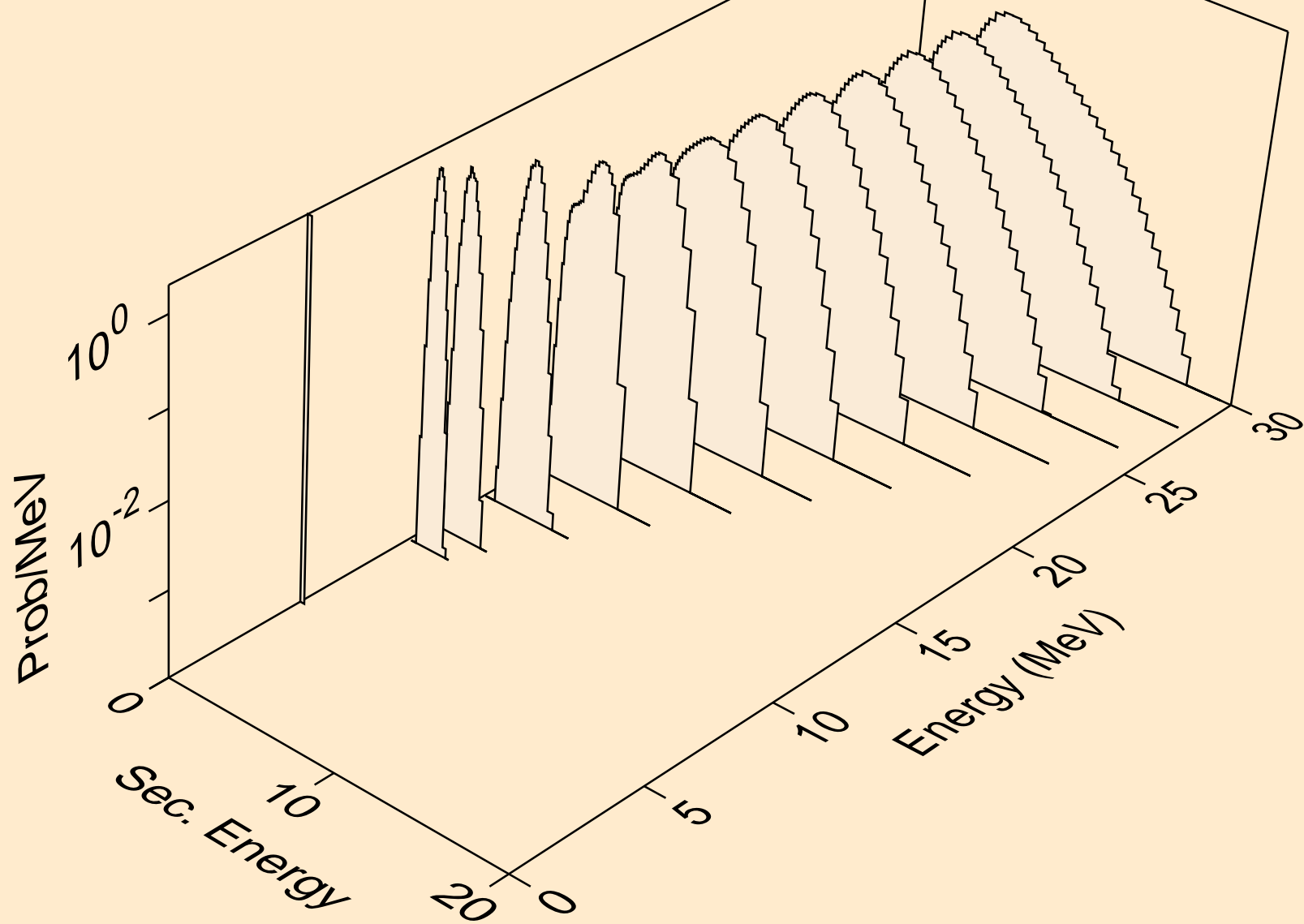
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,3np)



CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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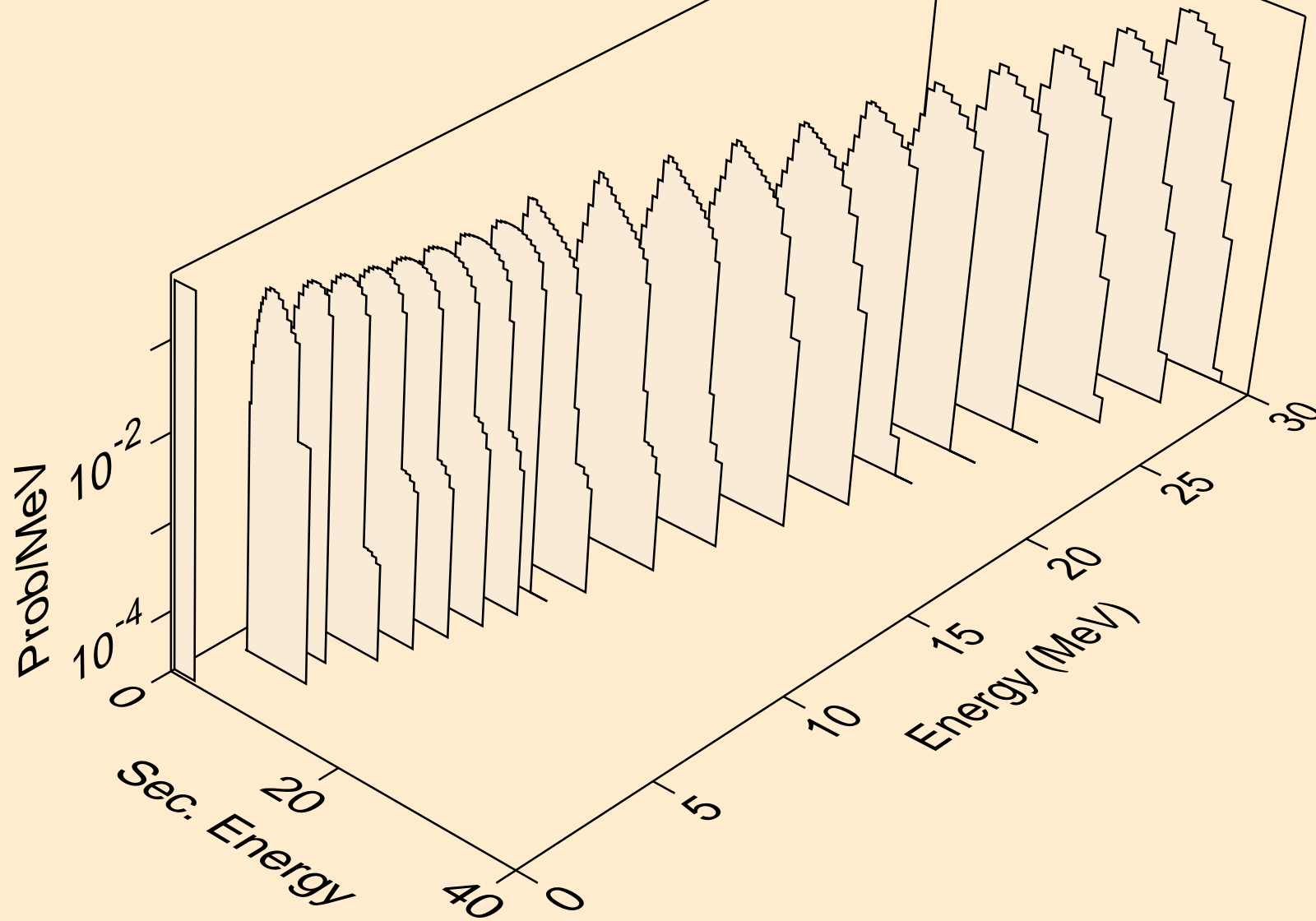


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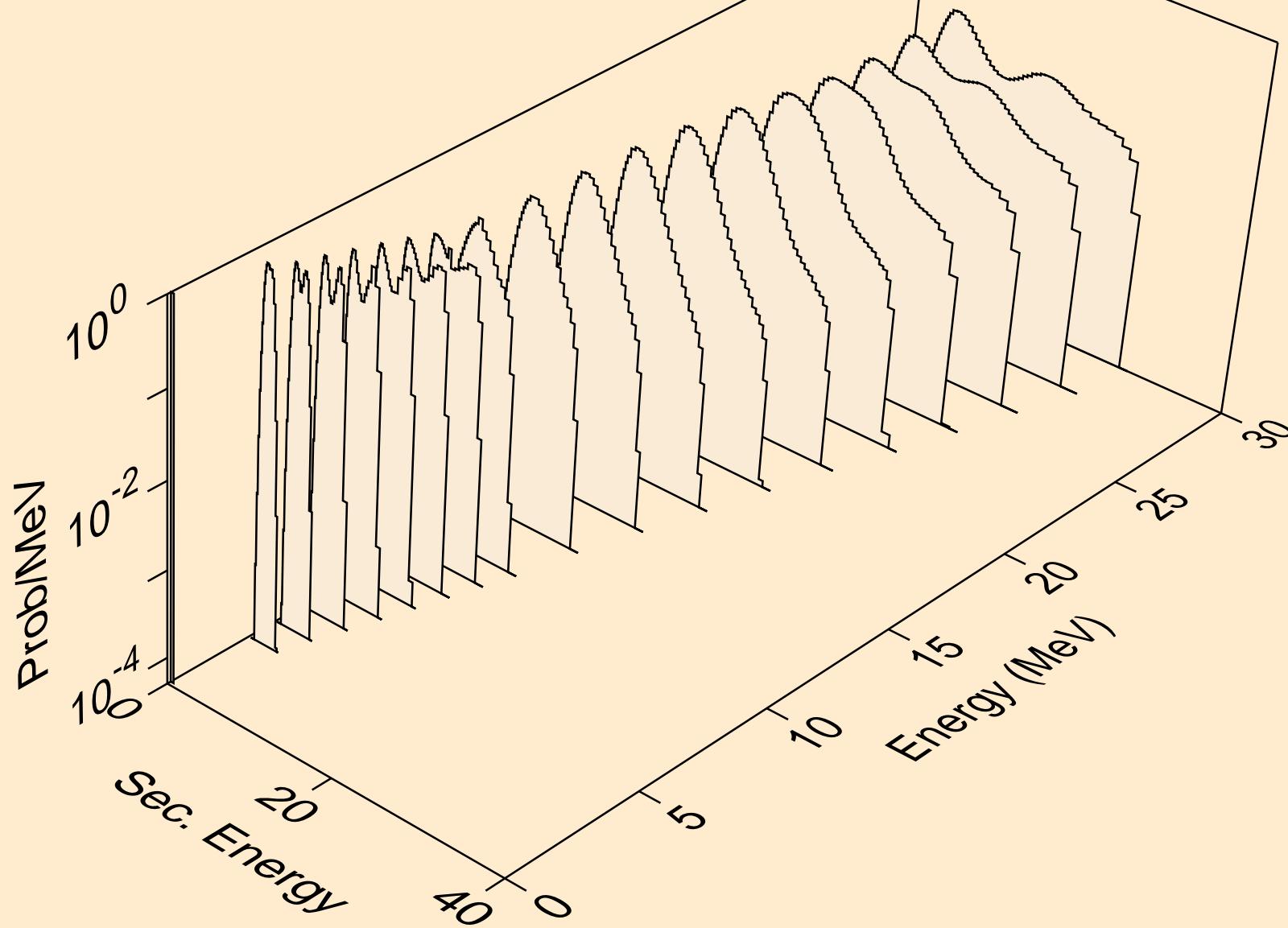




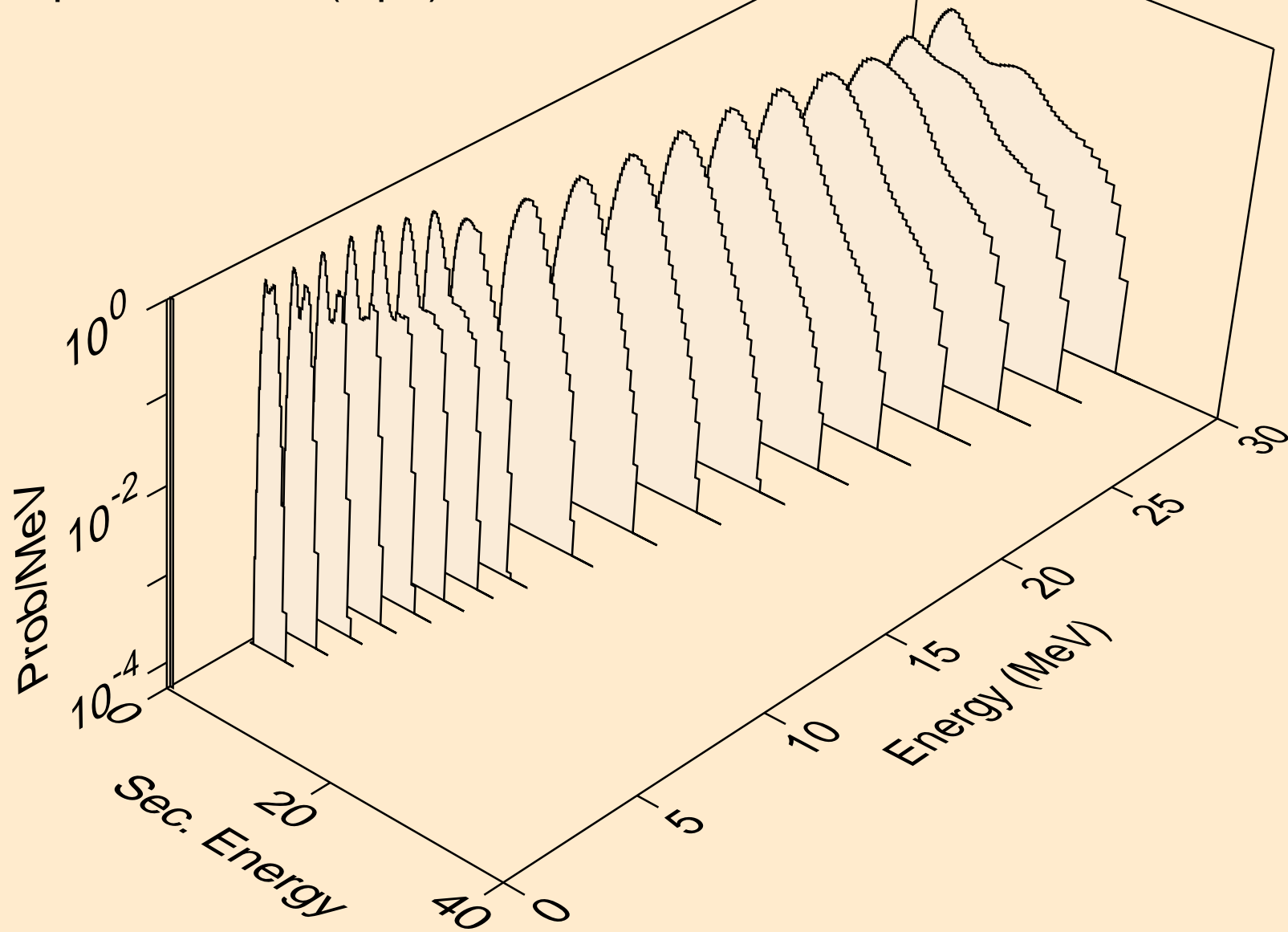
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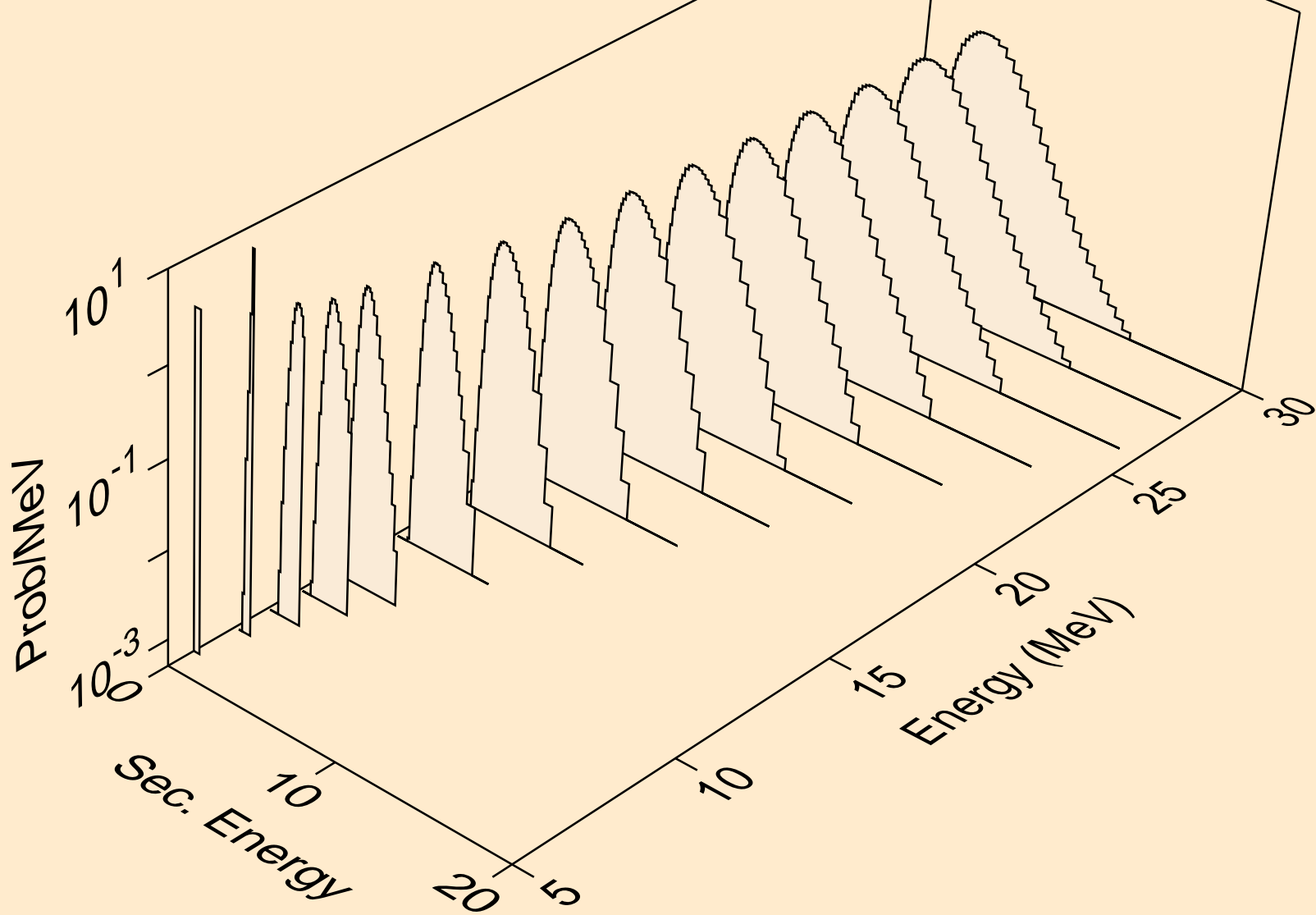
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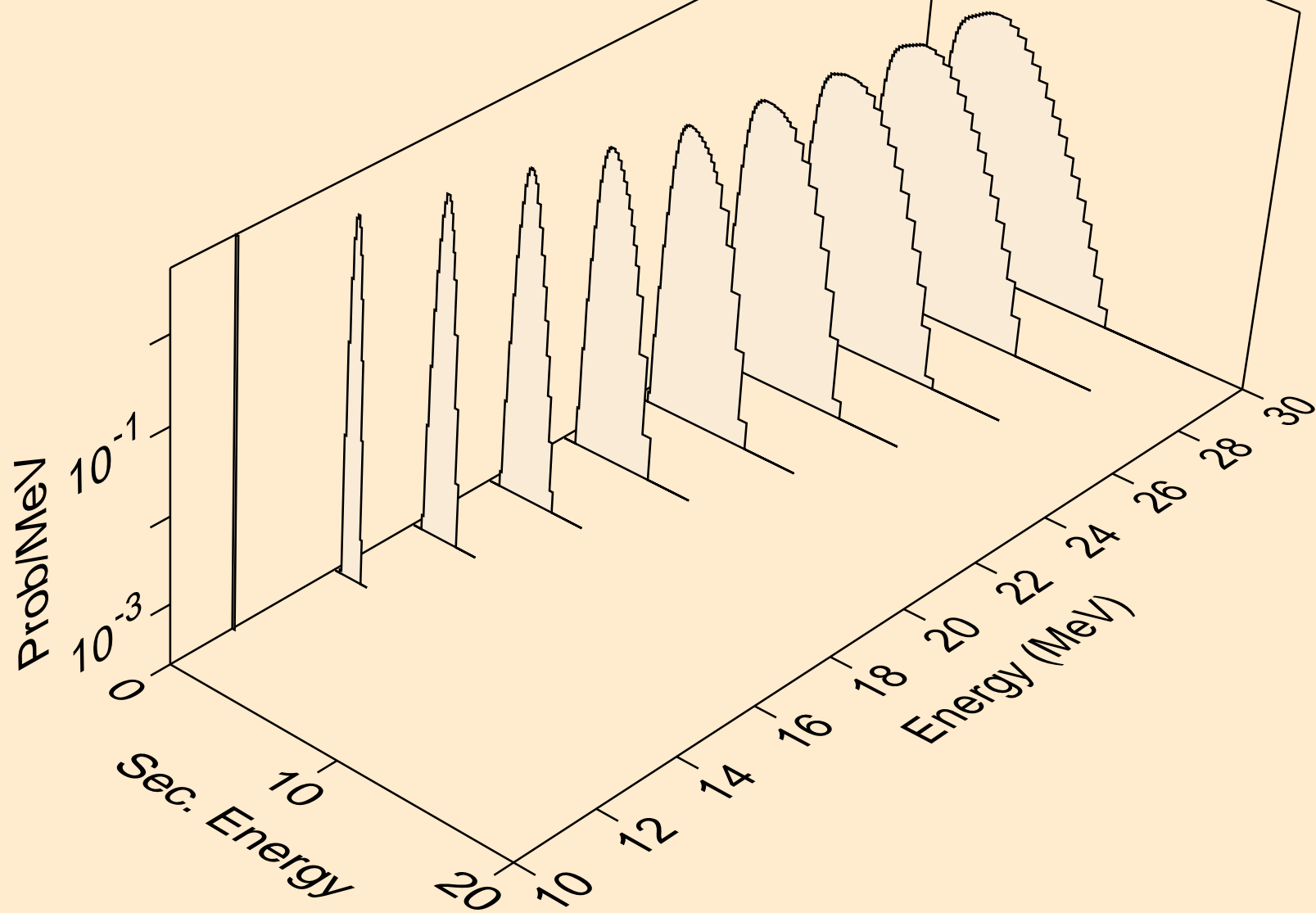
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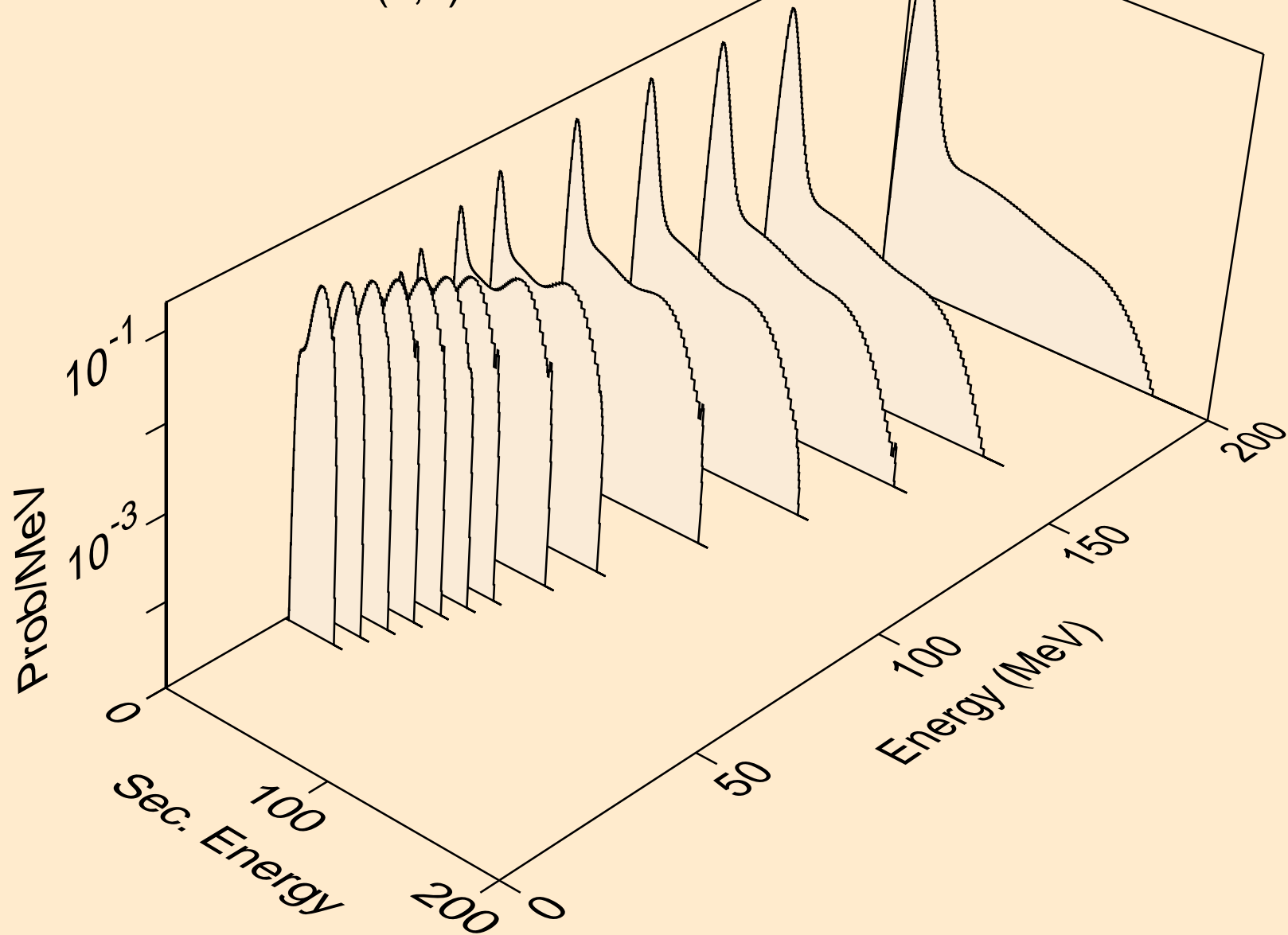
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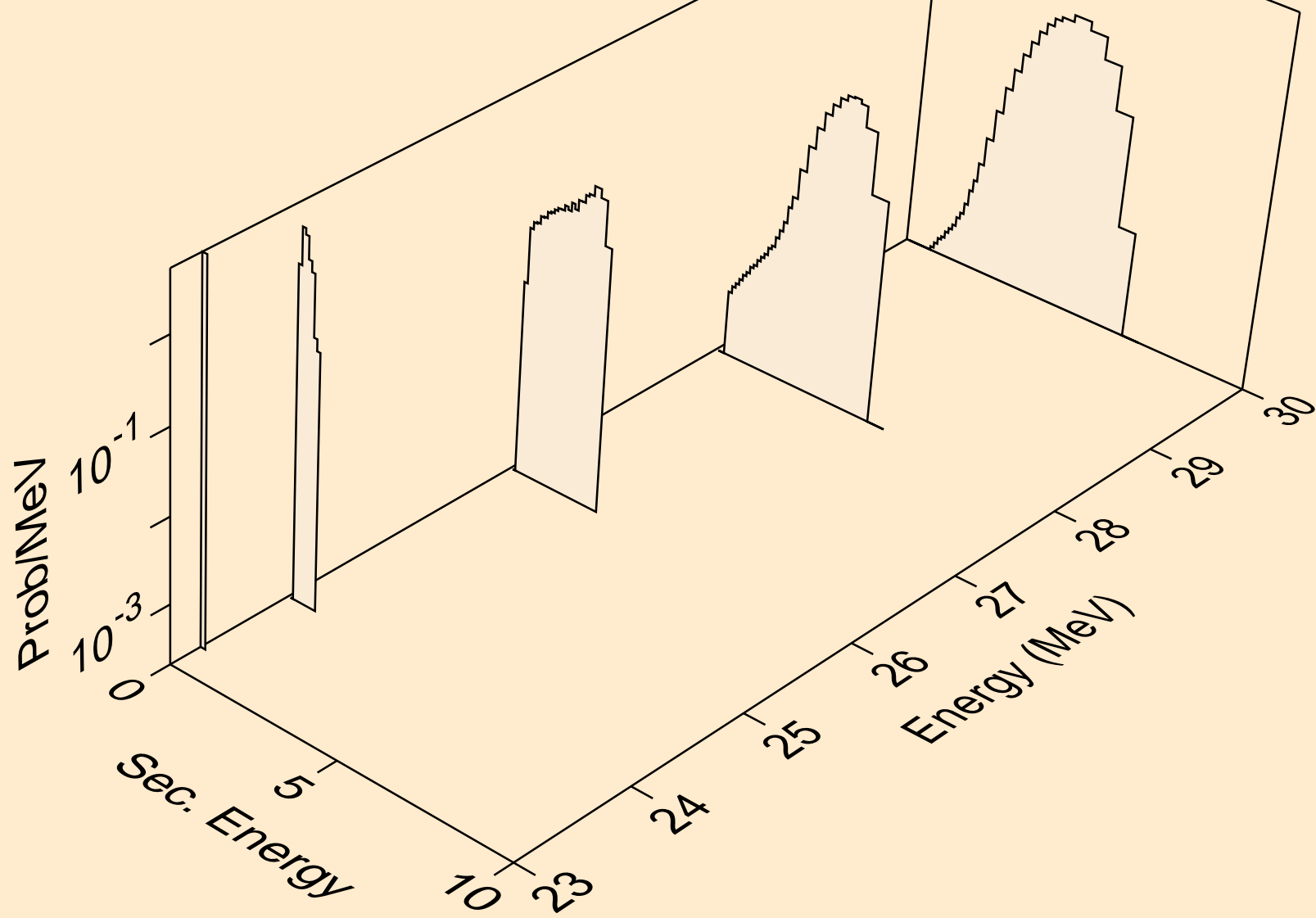
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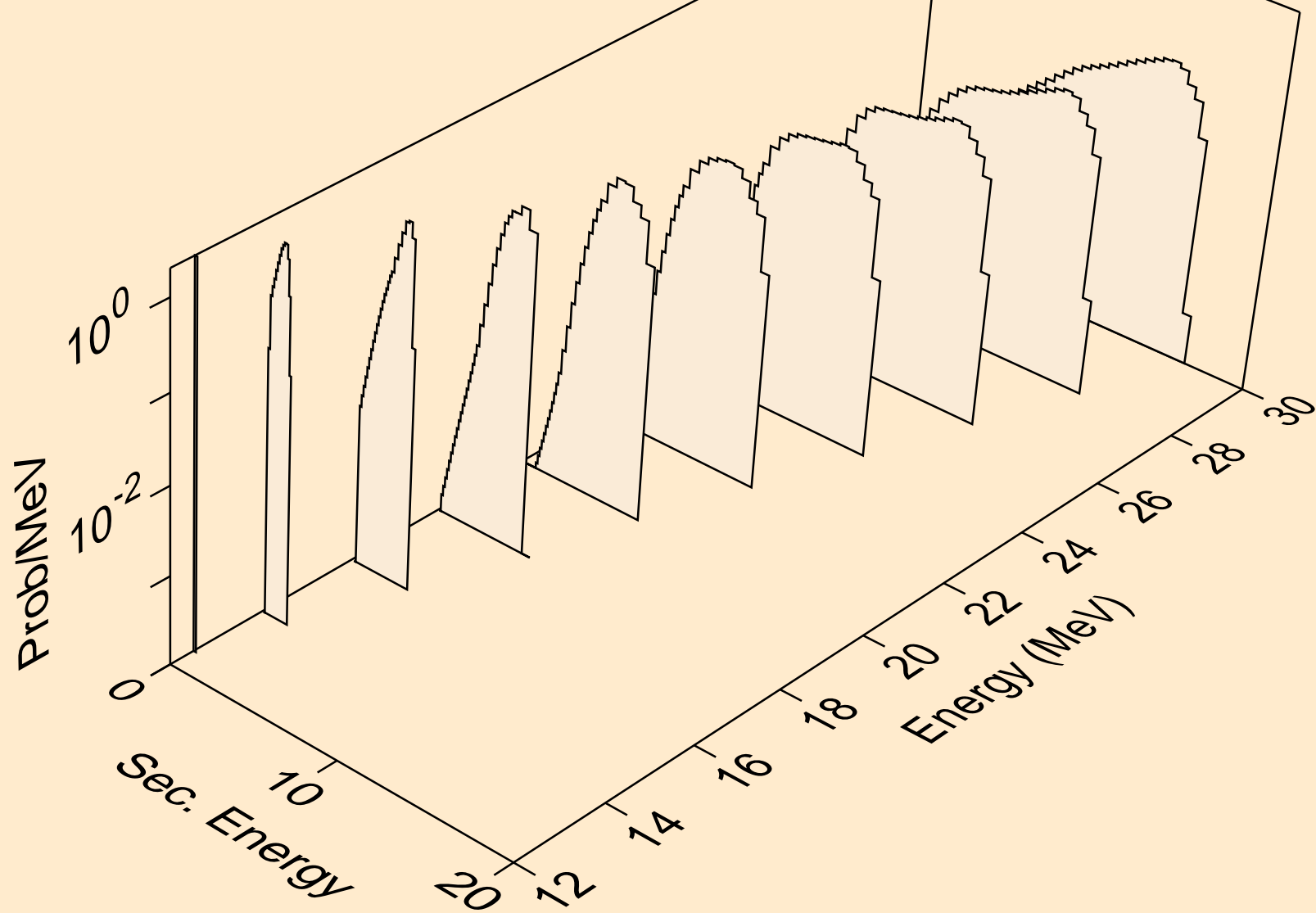
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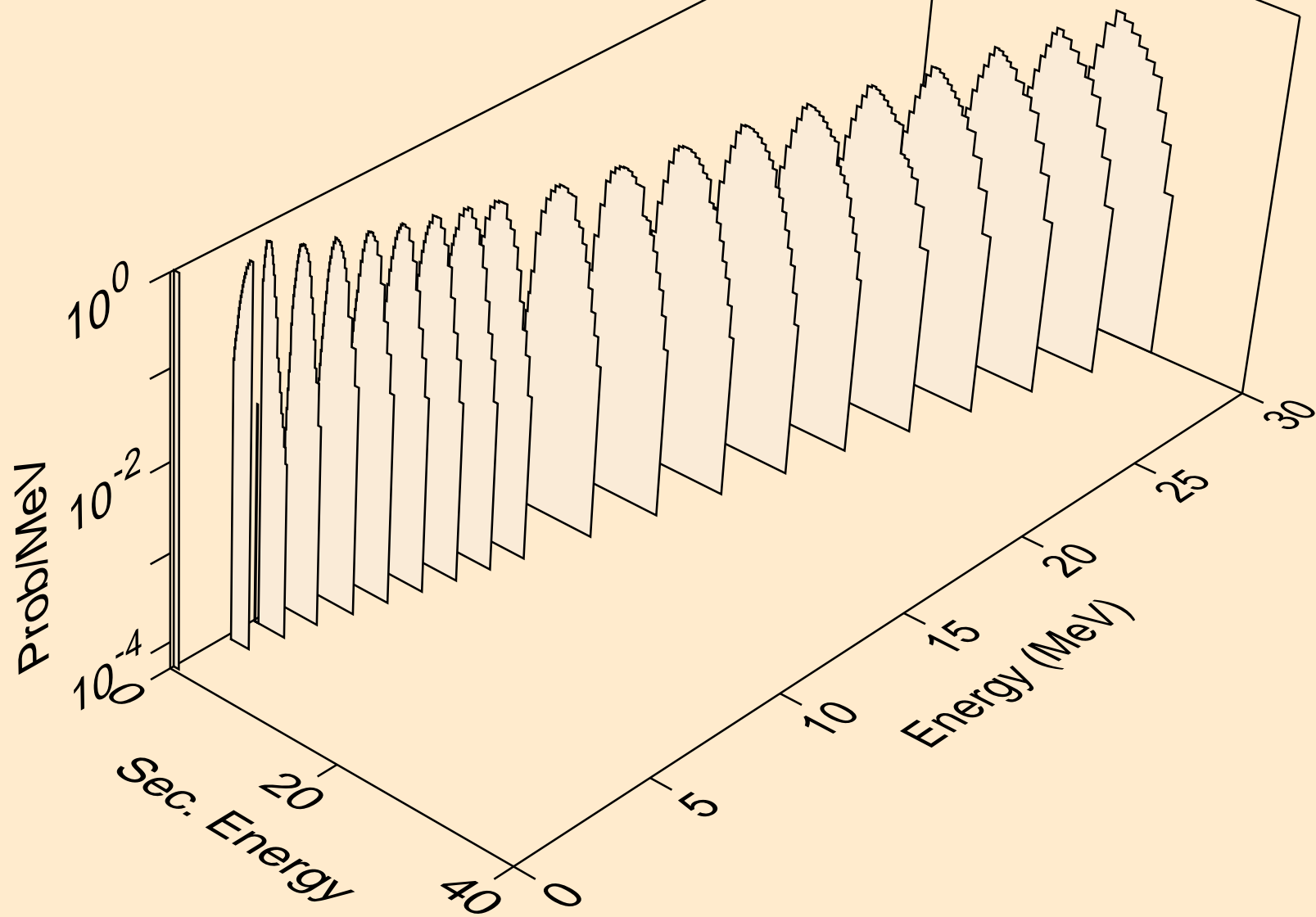


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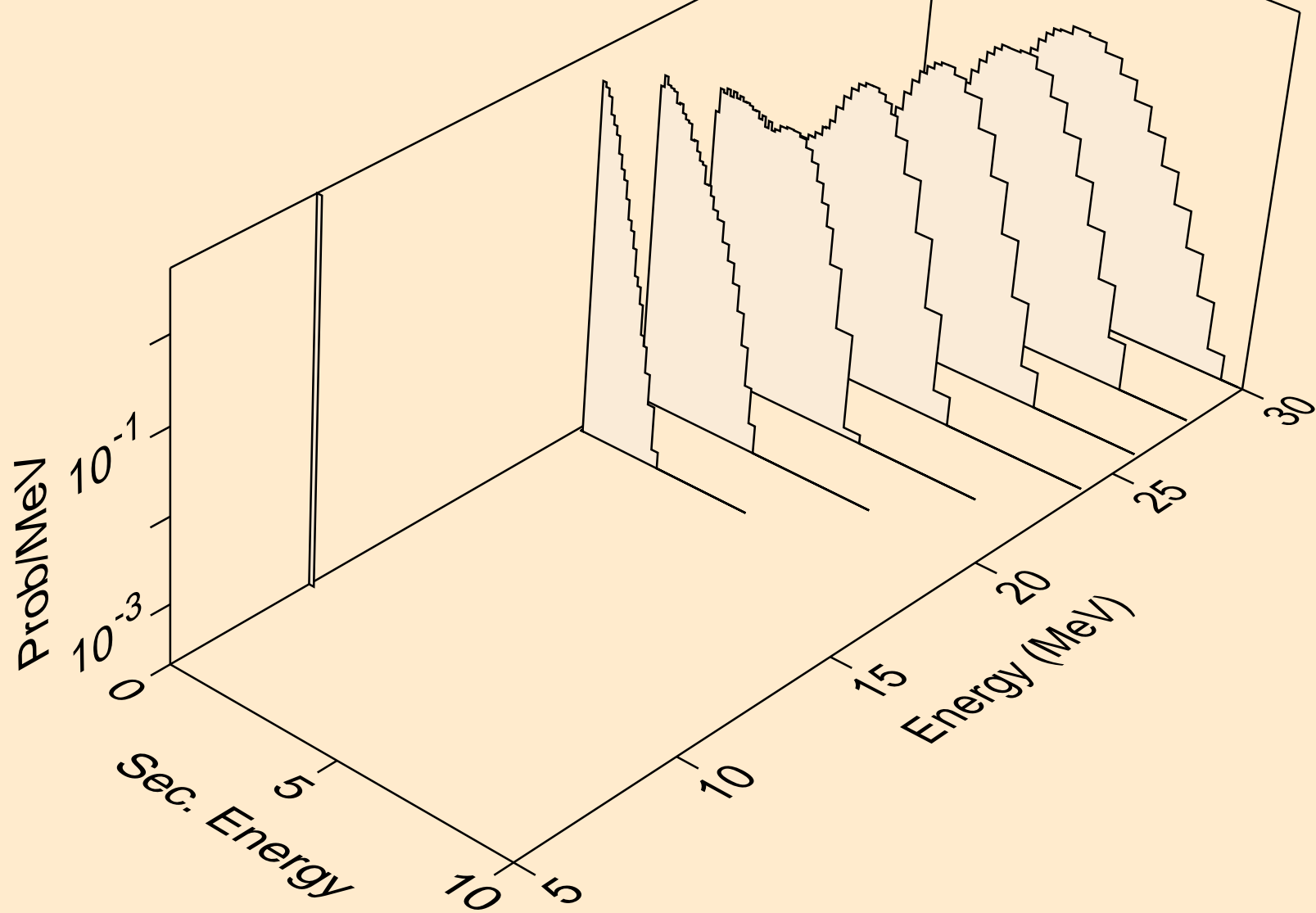




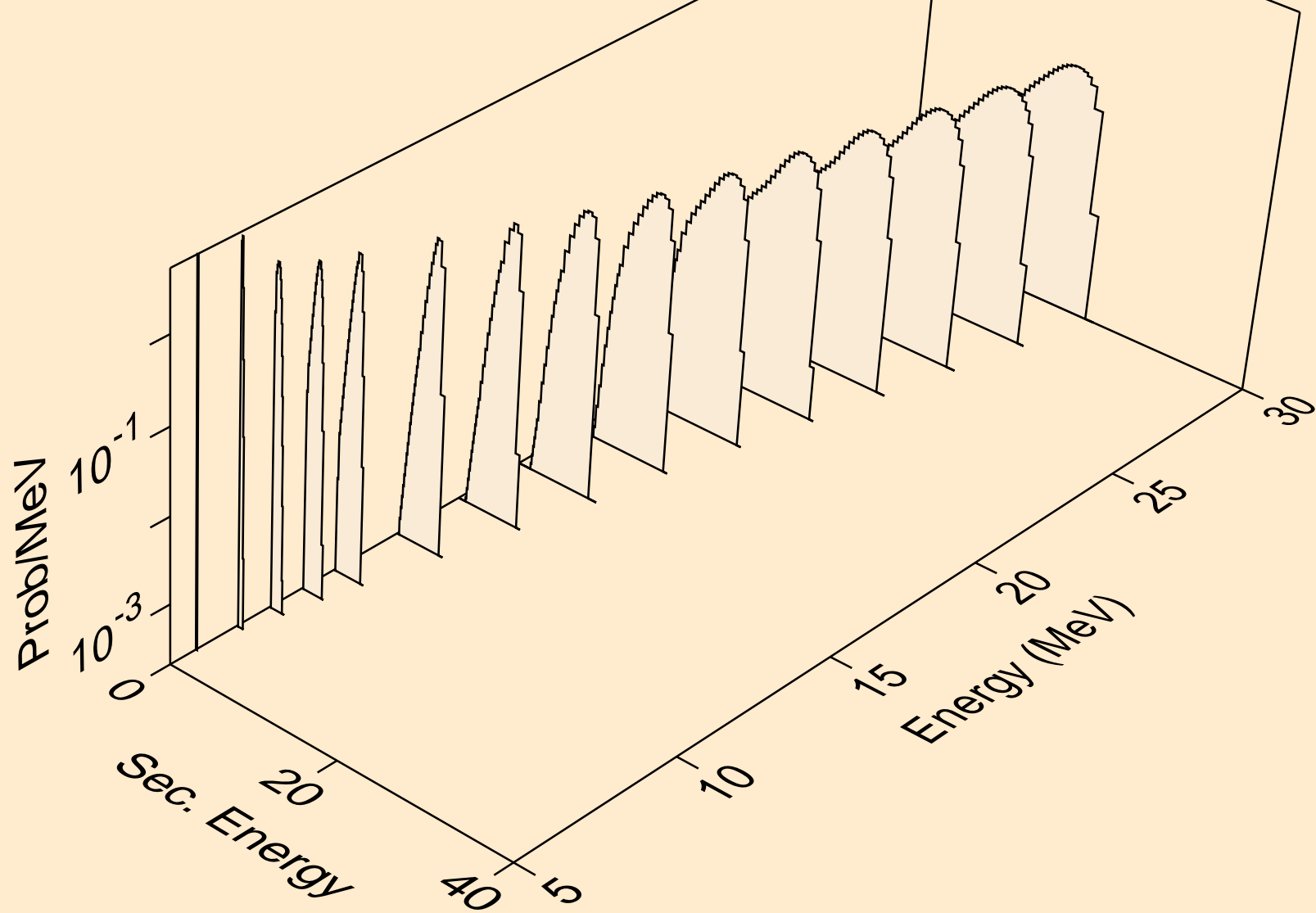
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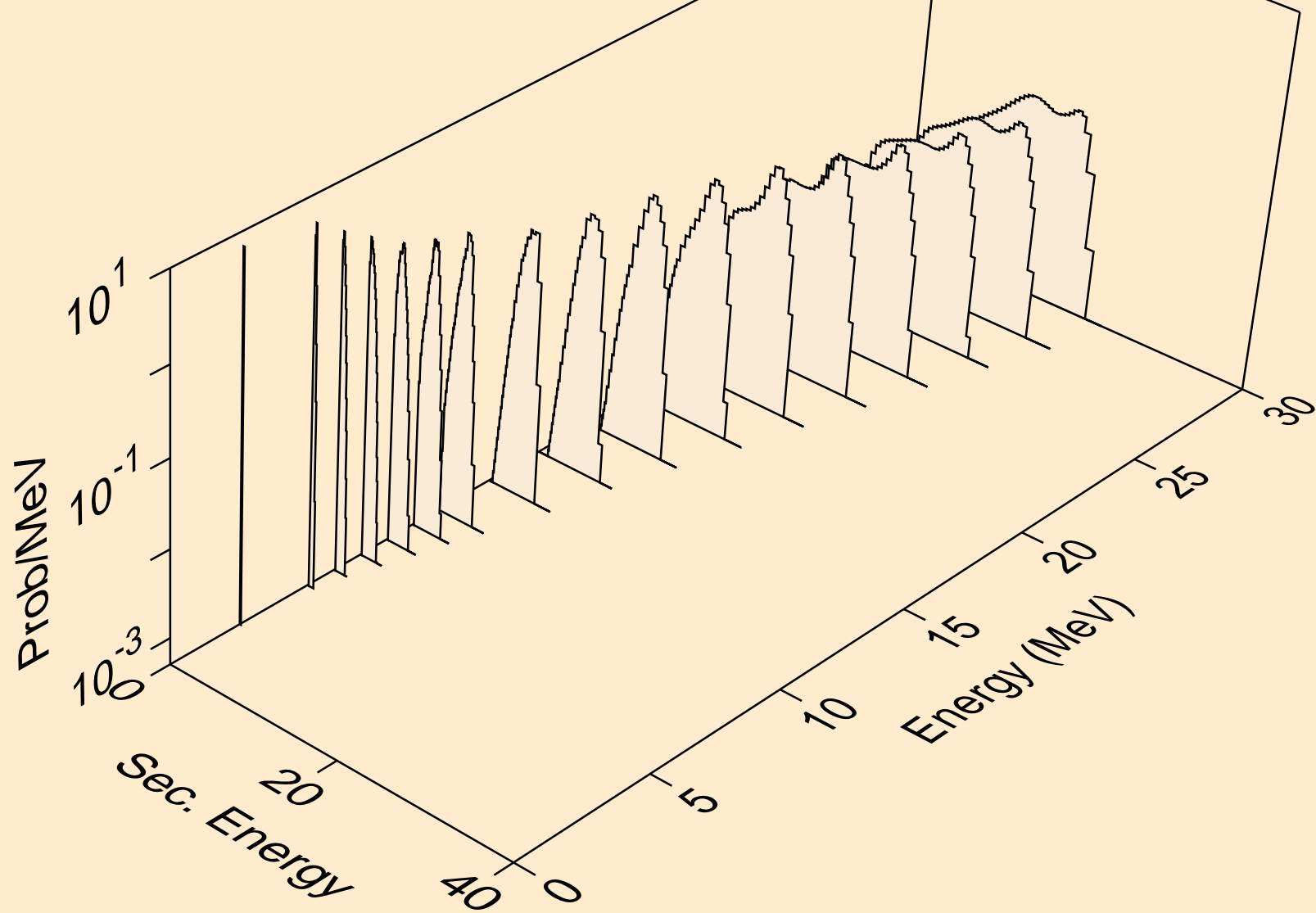
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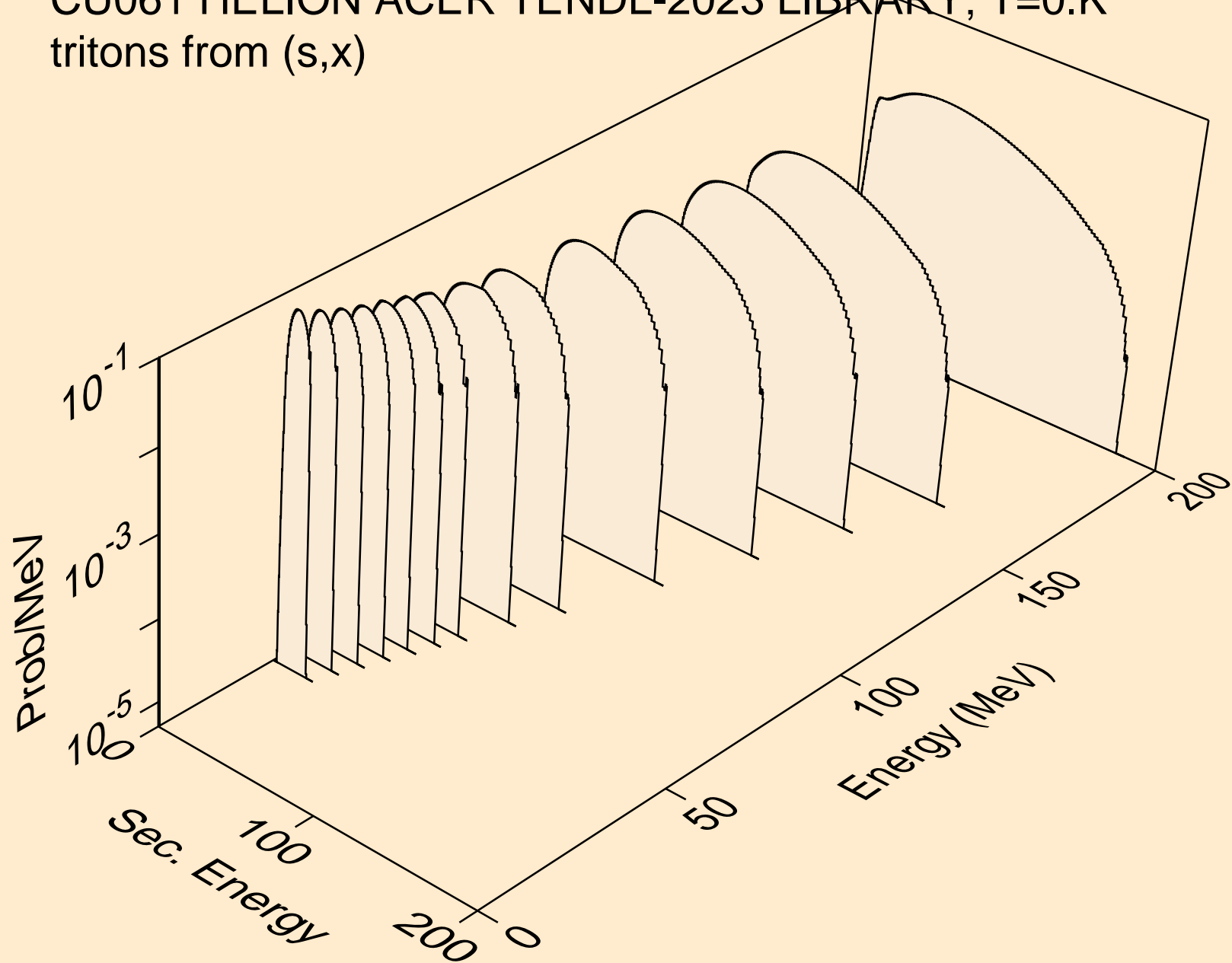
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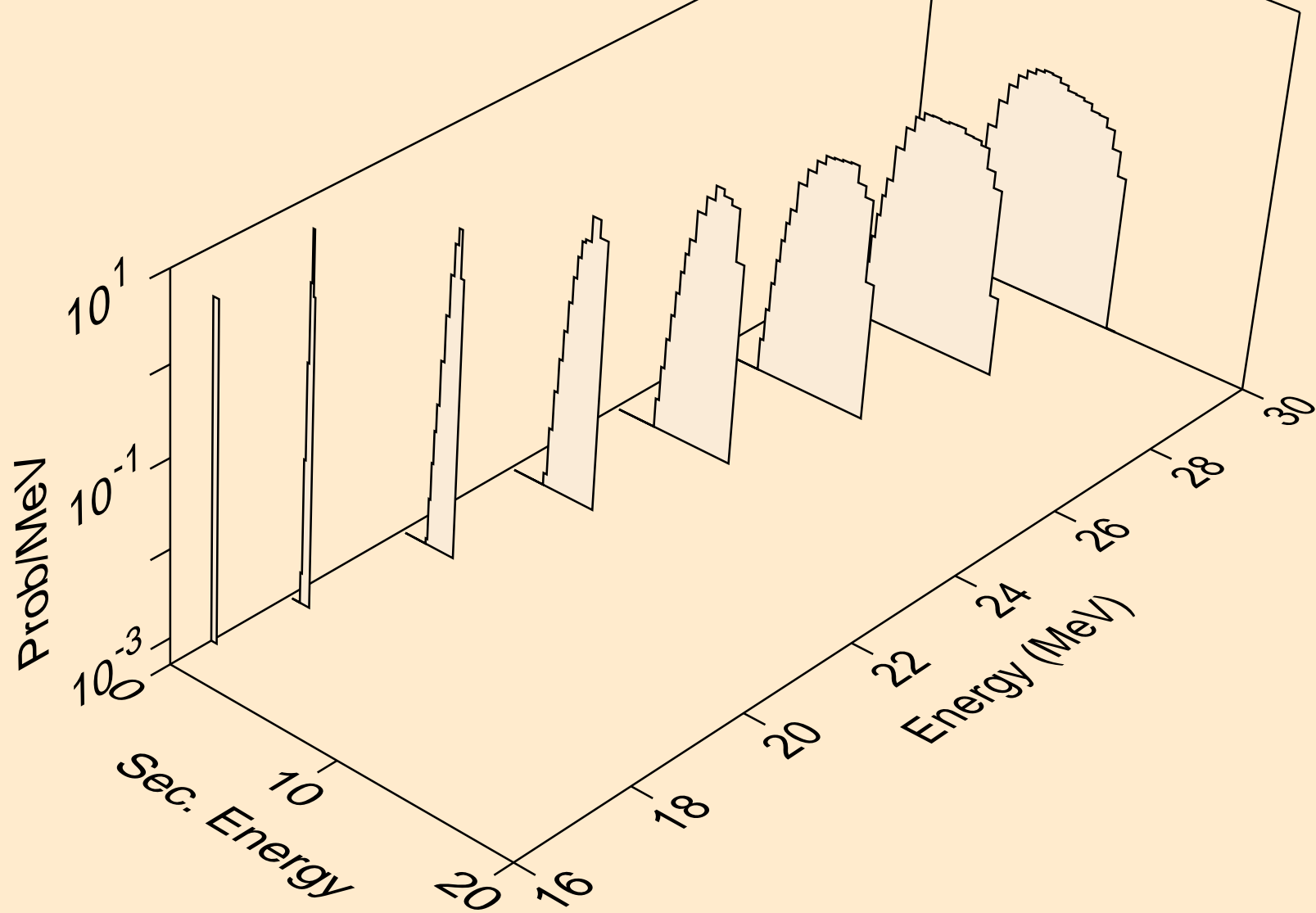
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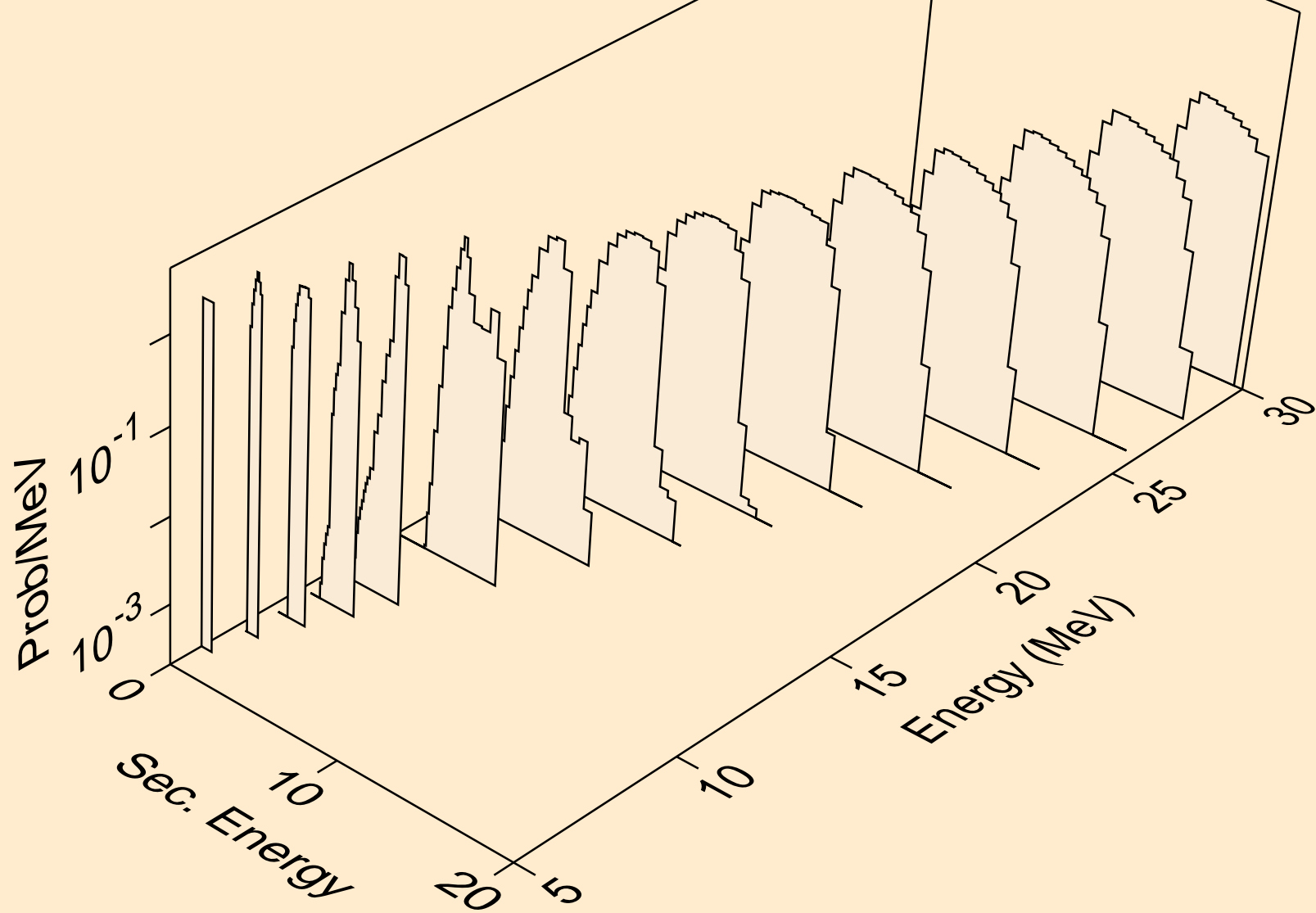
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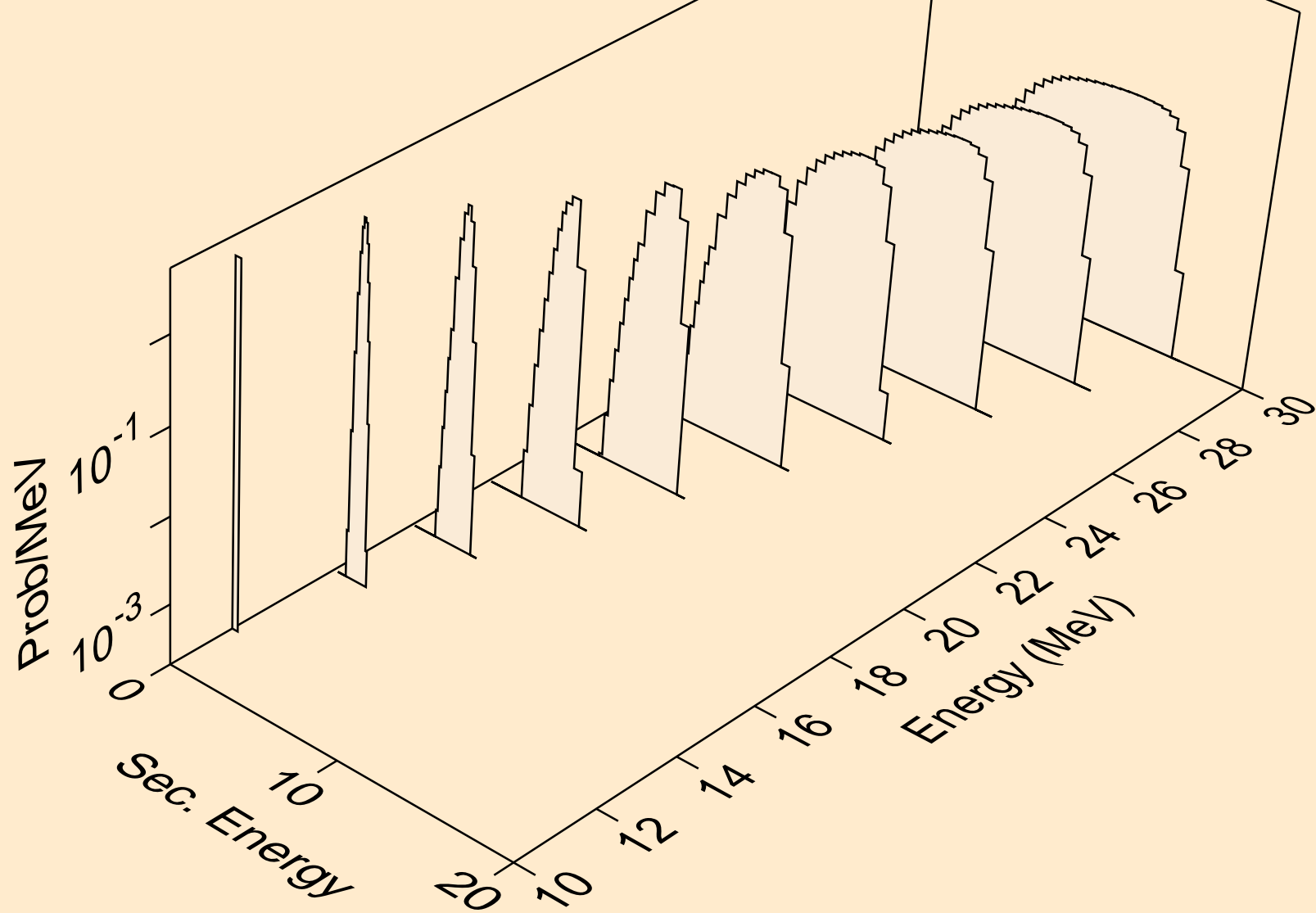
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,n\*)t



CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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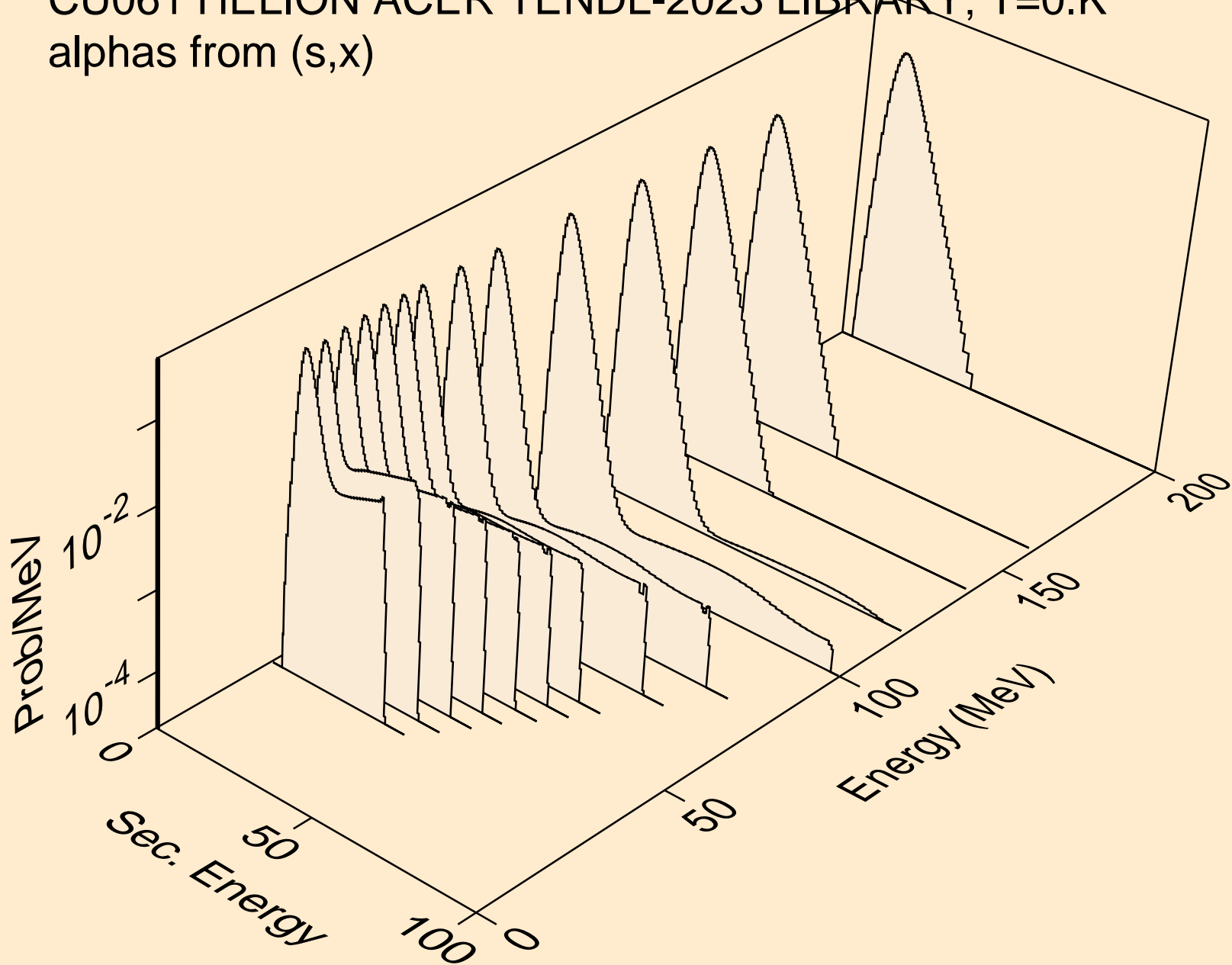


CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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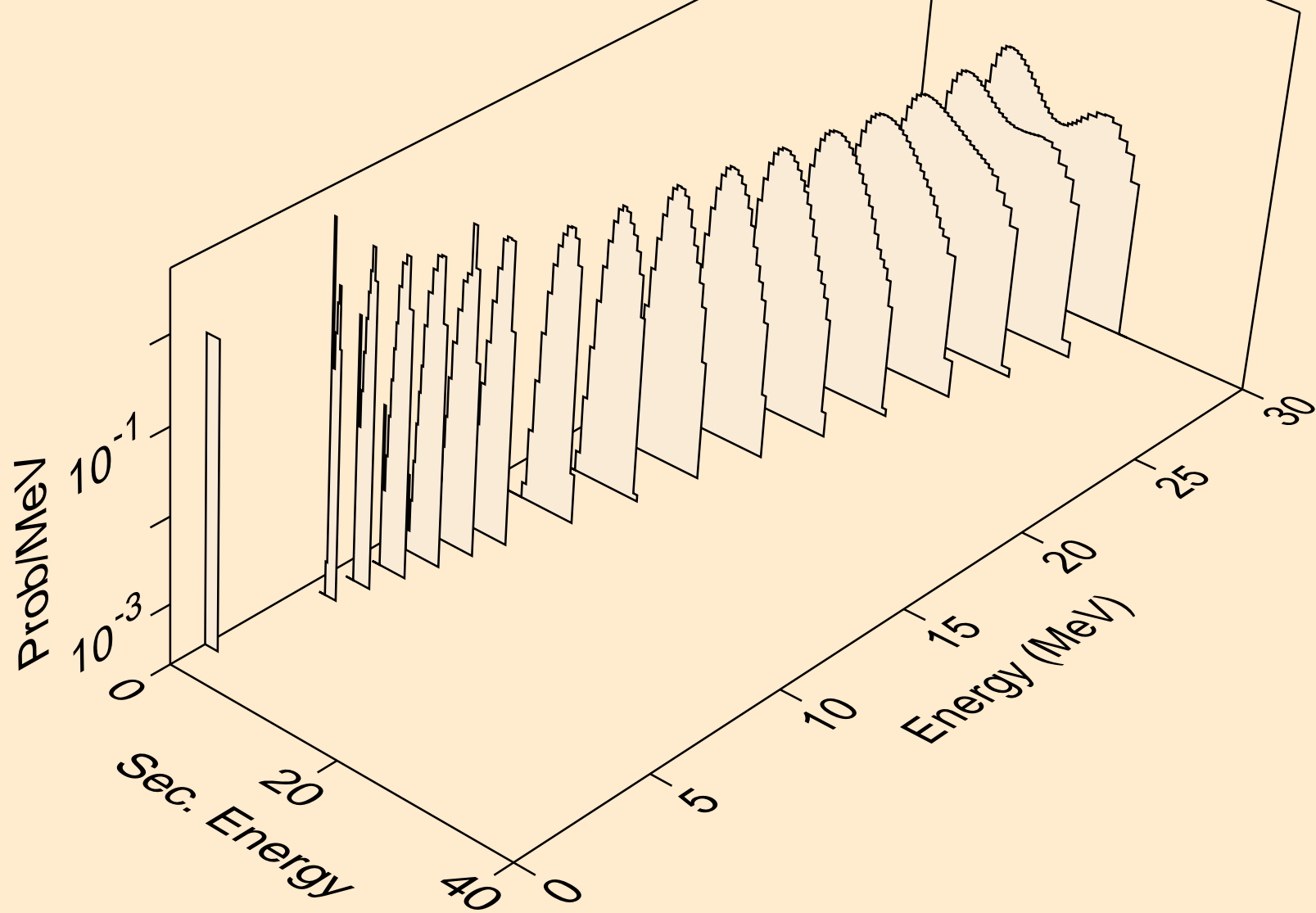




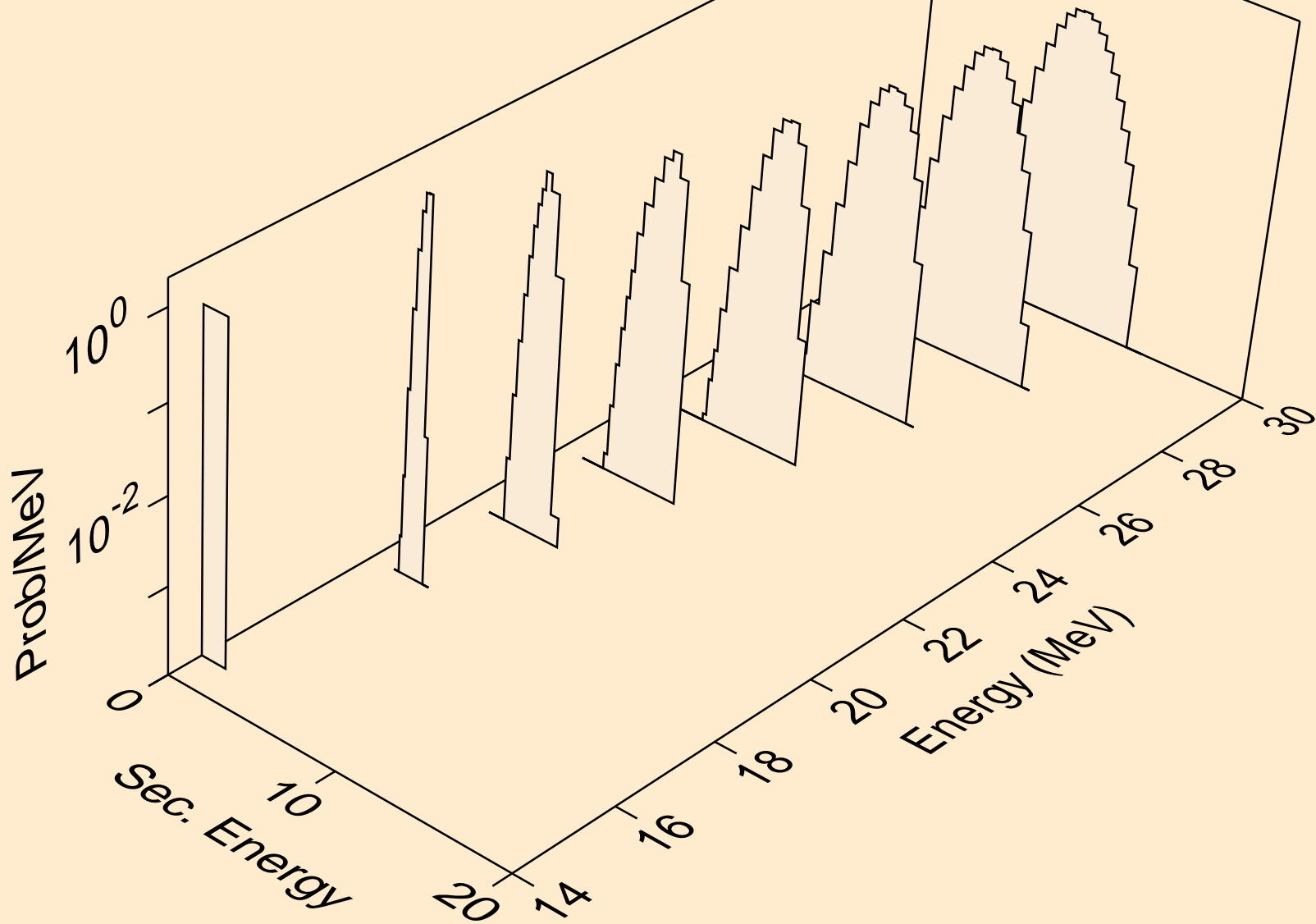
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alphas from (s,x)



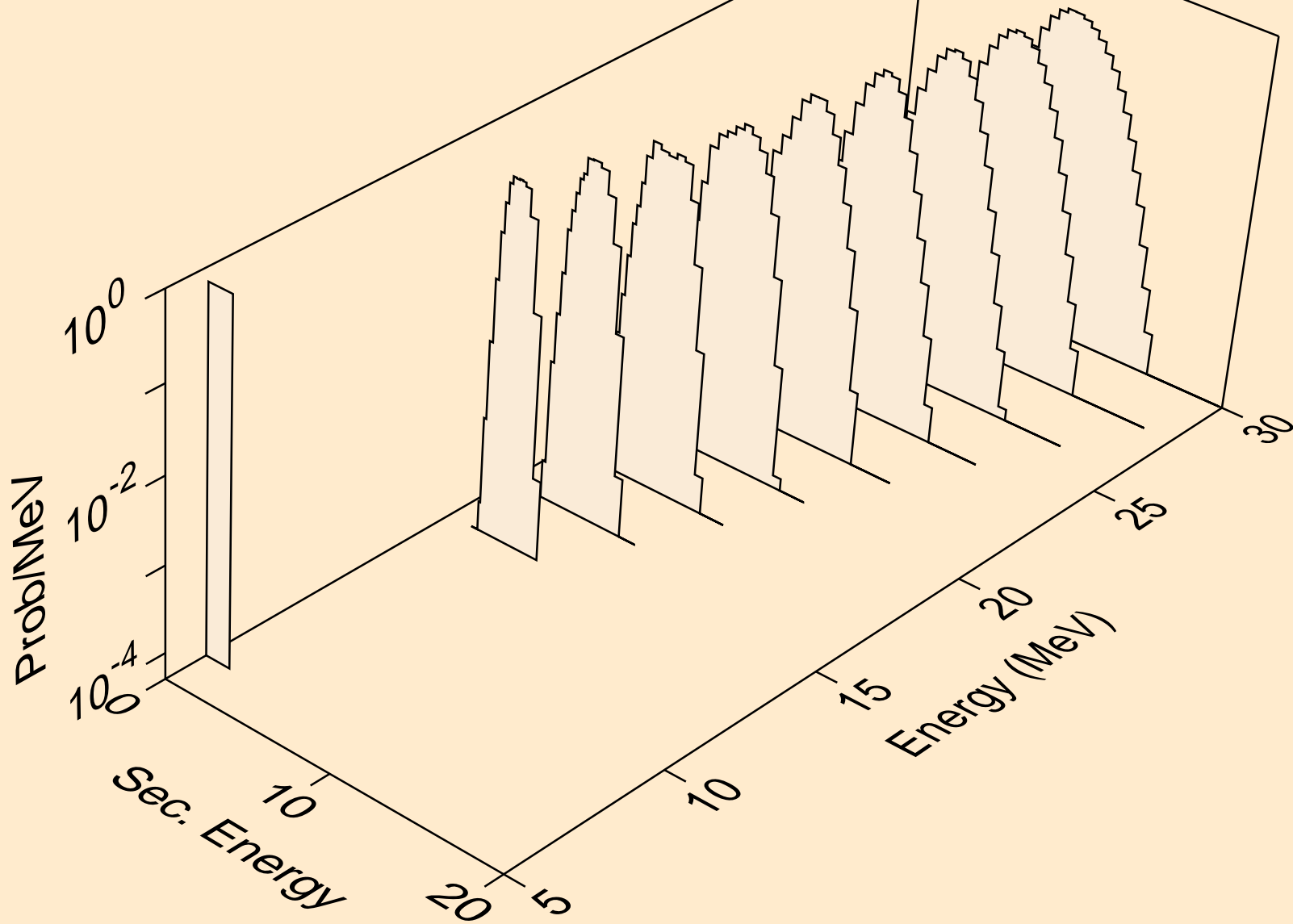
CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)a



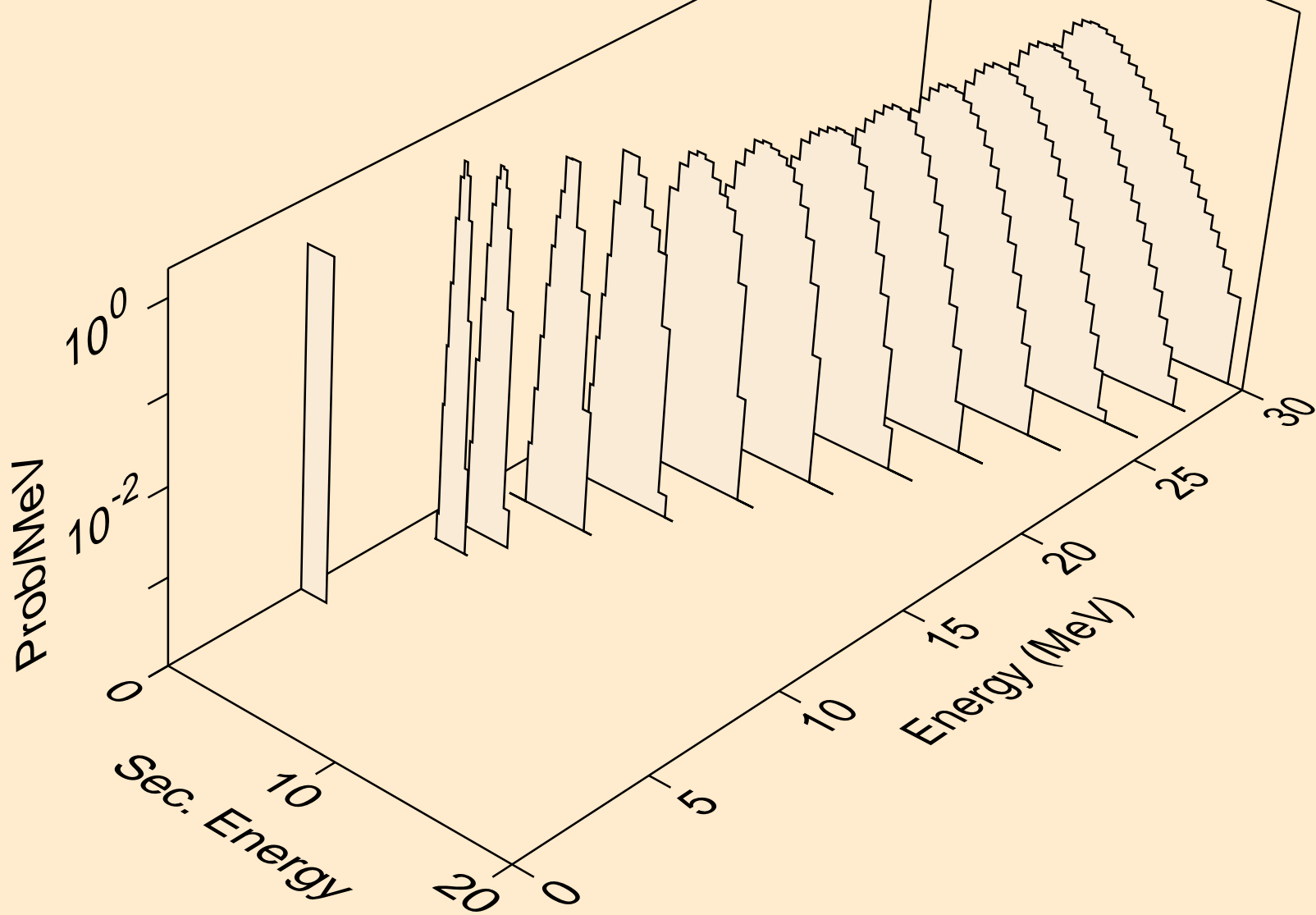
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alphas from (s,2n)a



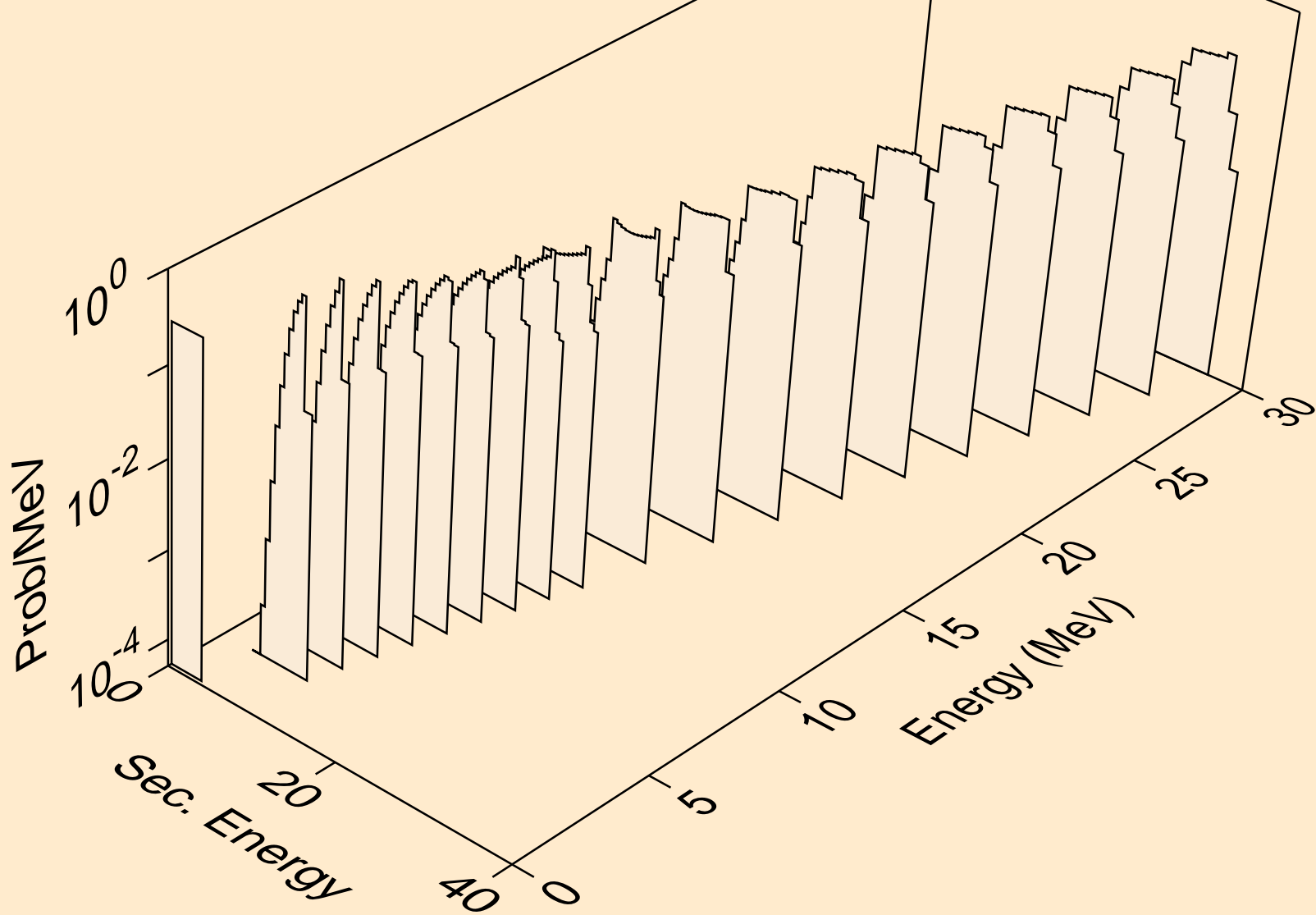
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alphas from (s,n\*)2a



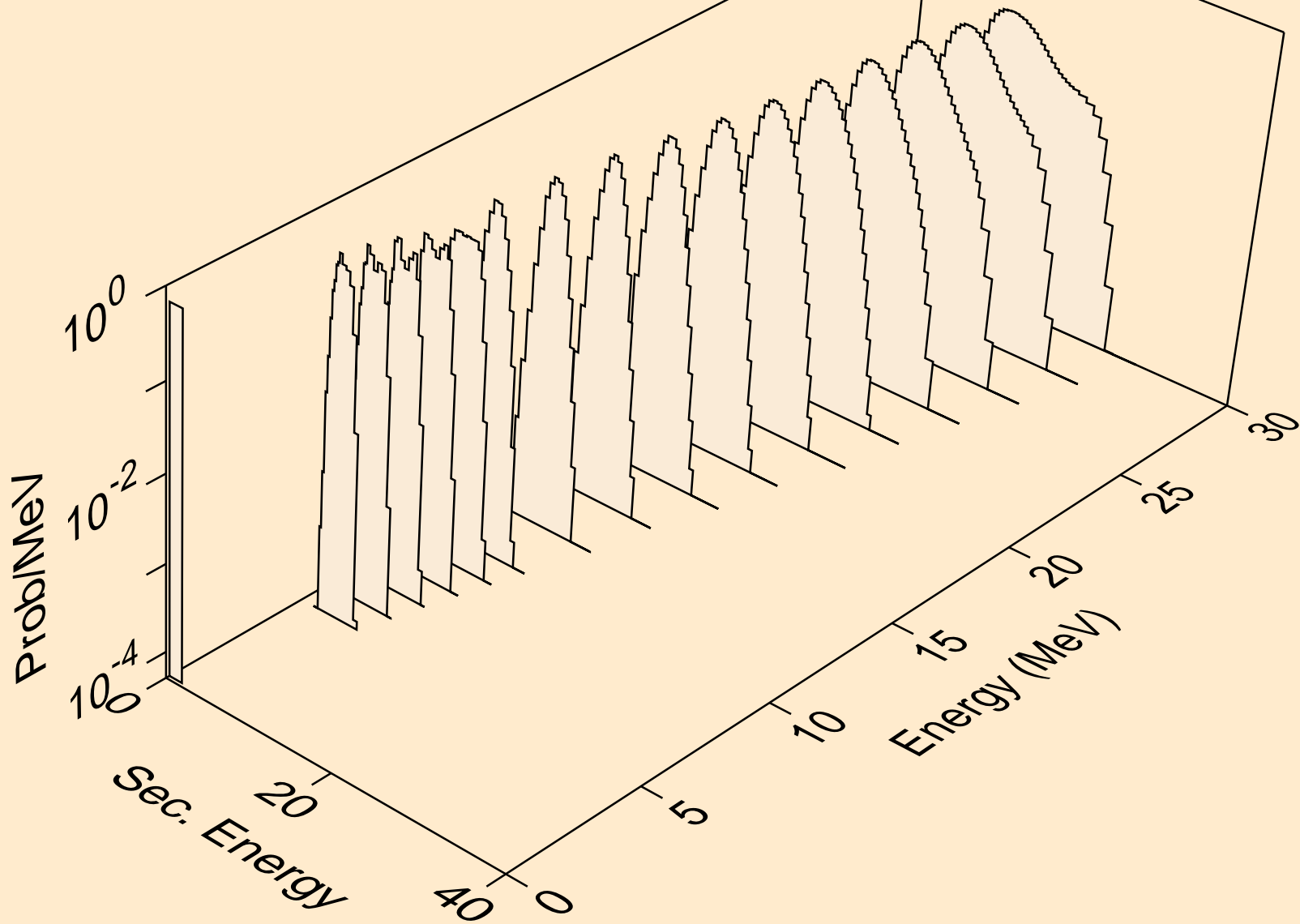
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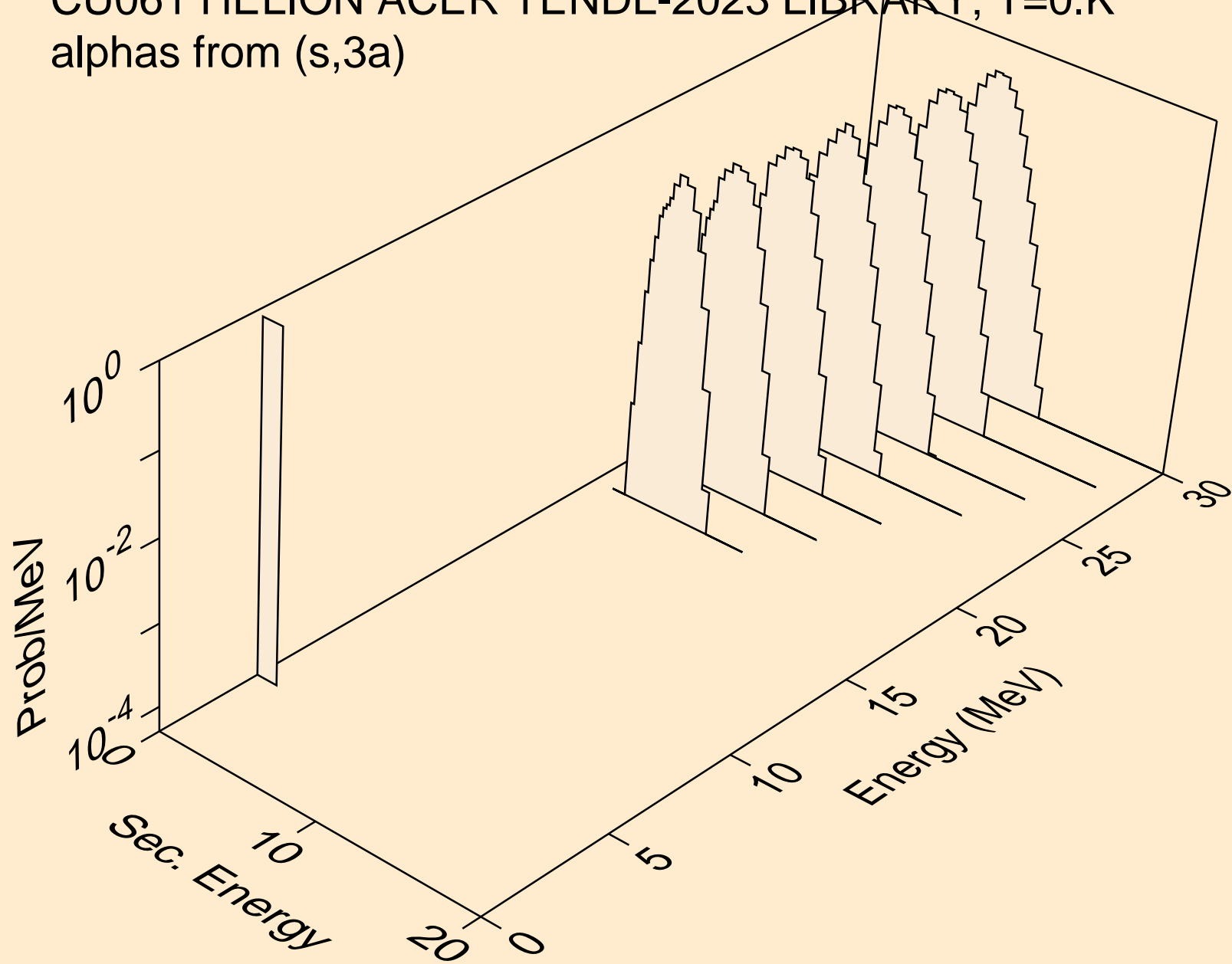
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alphas from (s,2a)

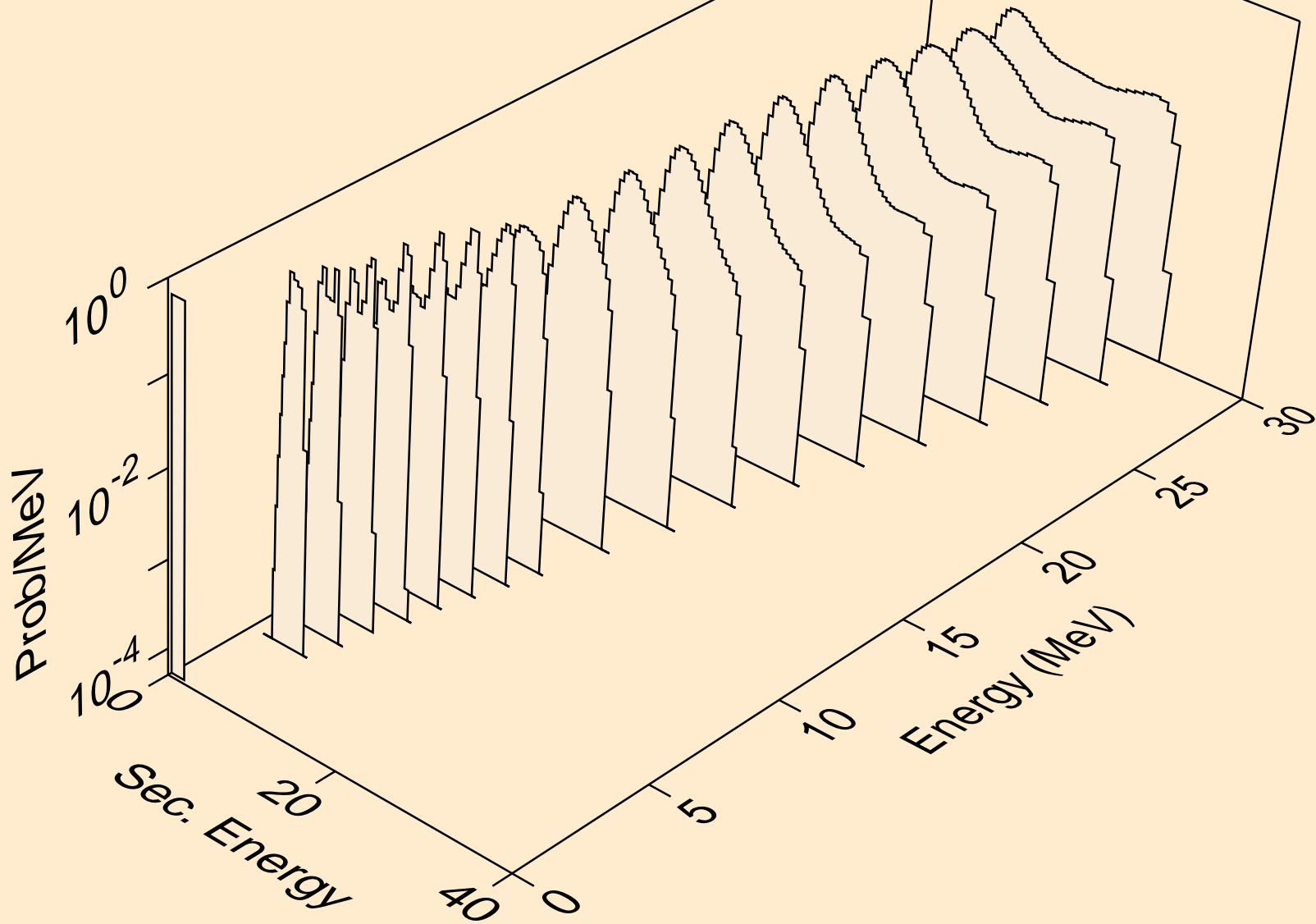


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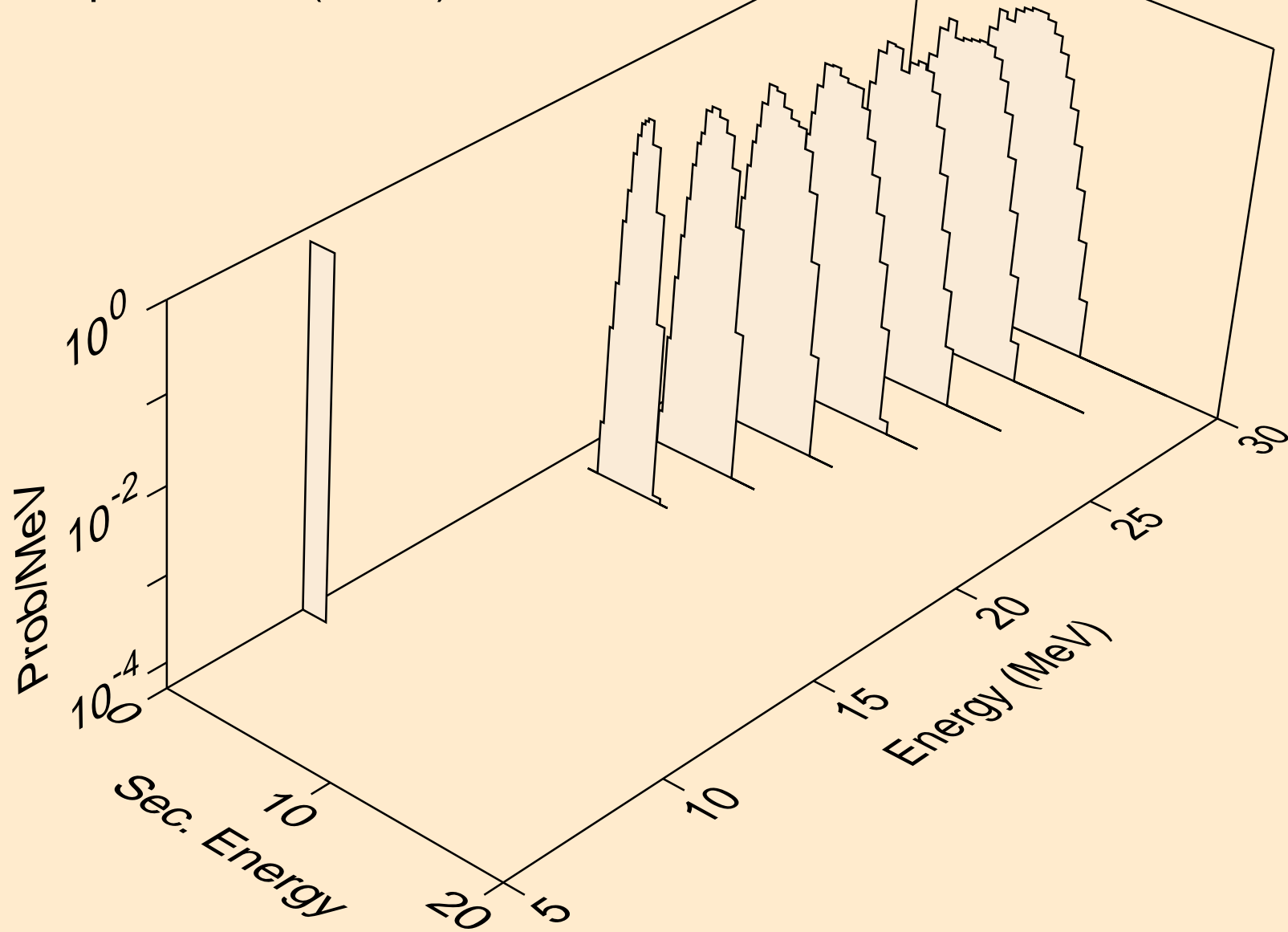




CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,d2a)



CU061 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

