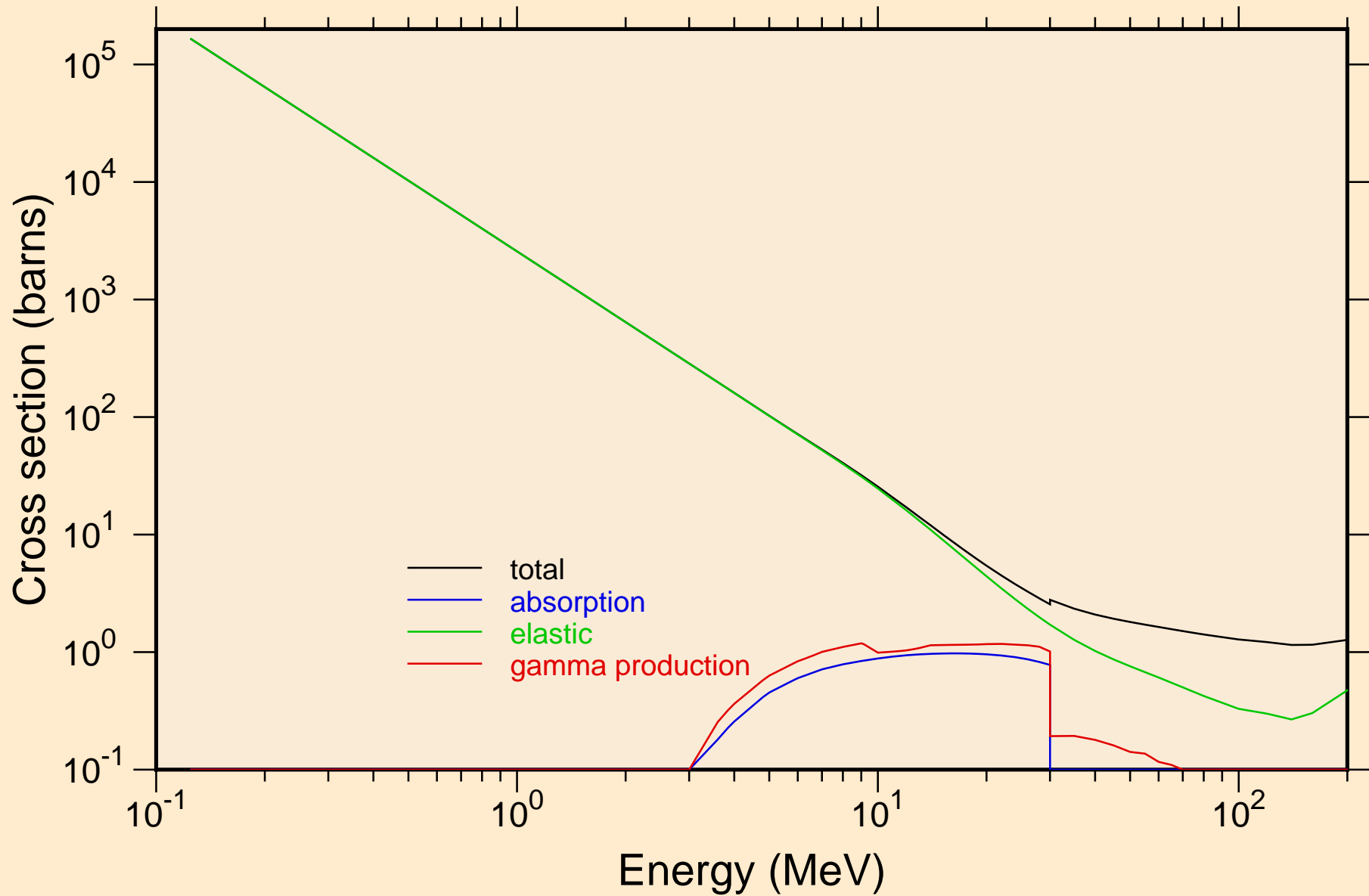


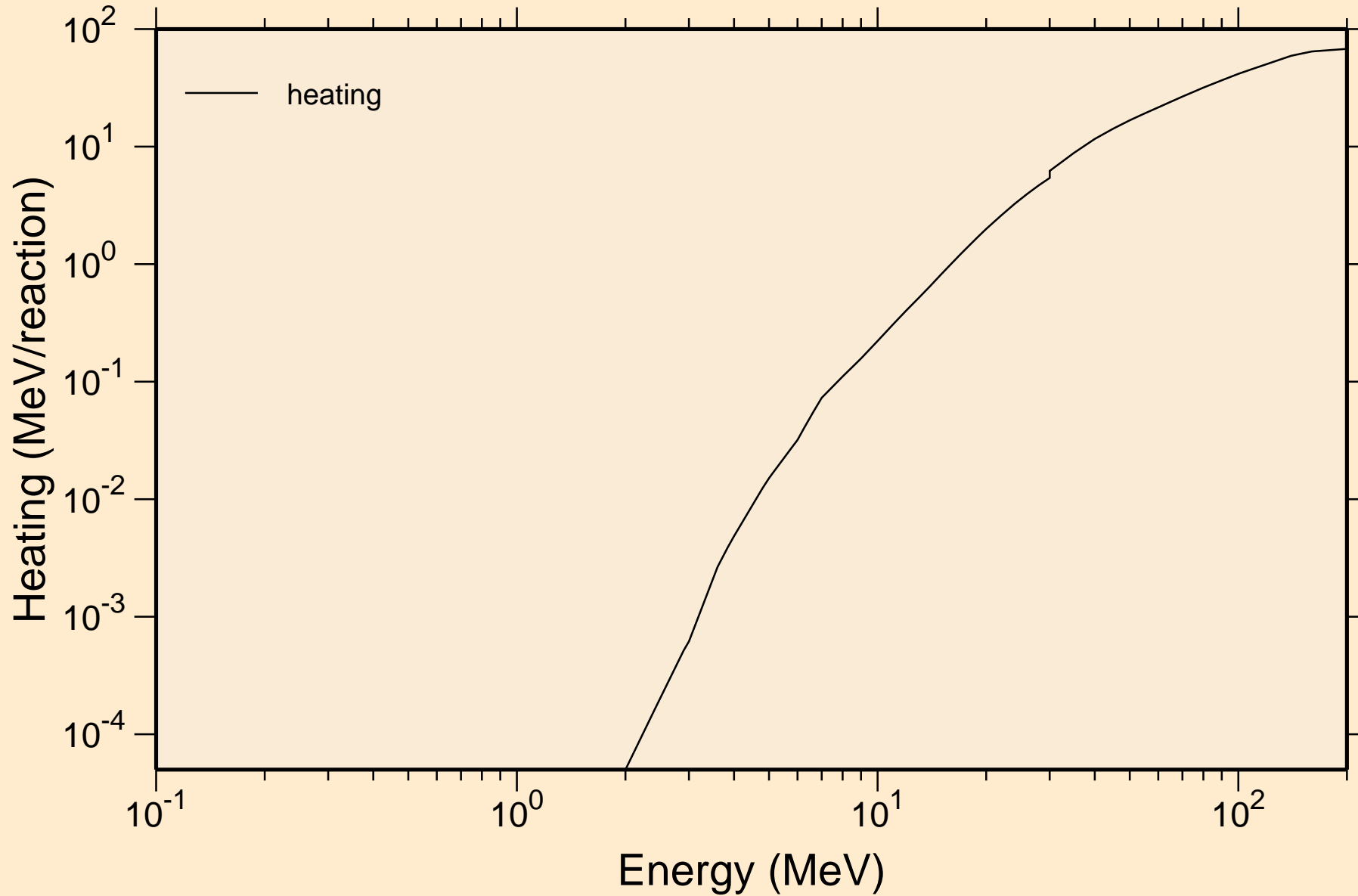
# F022 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



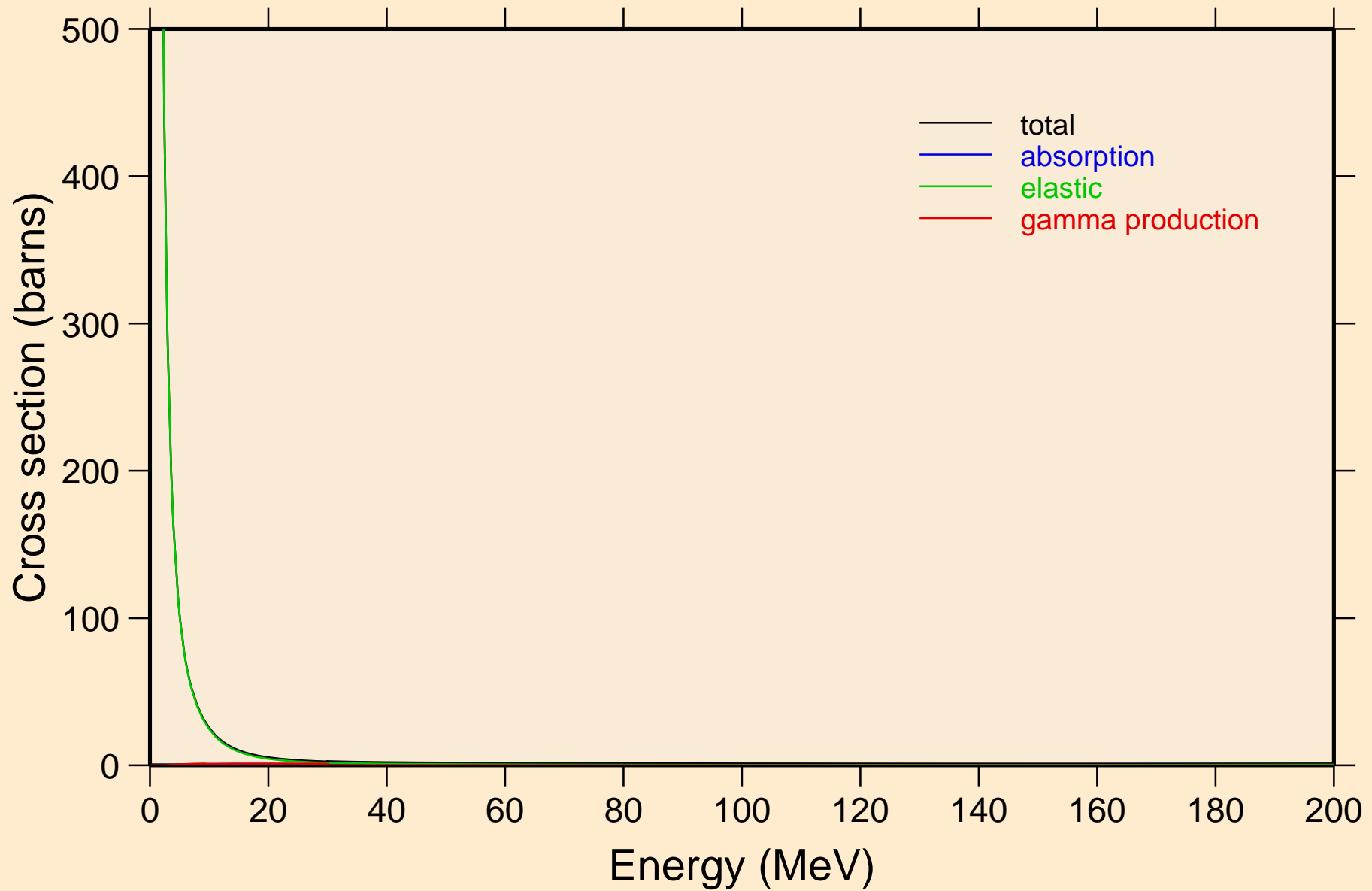
# F022 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Heating



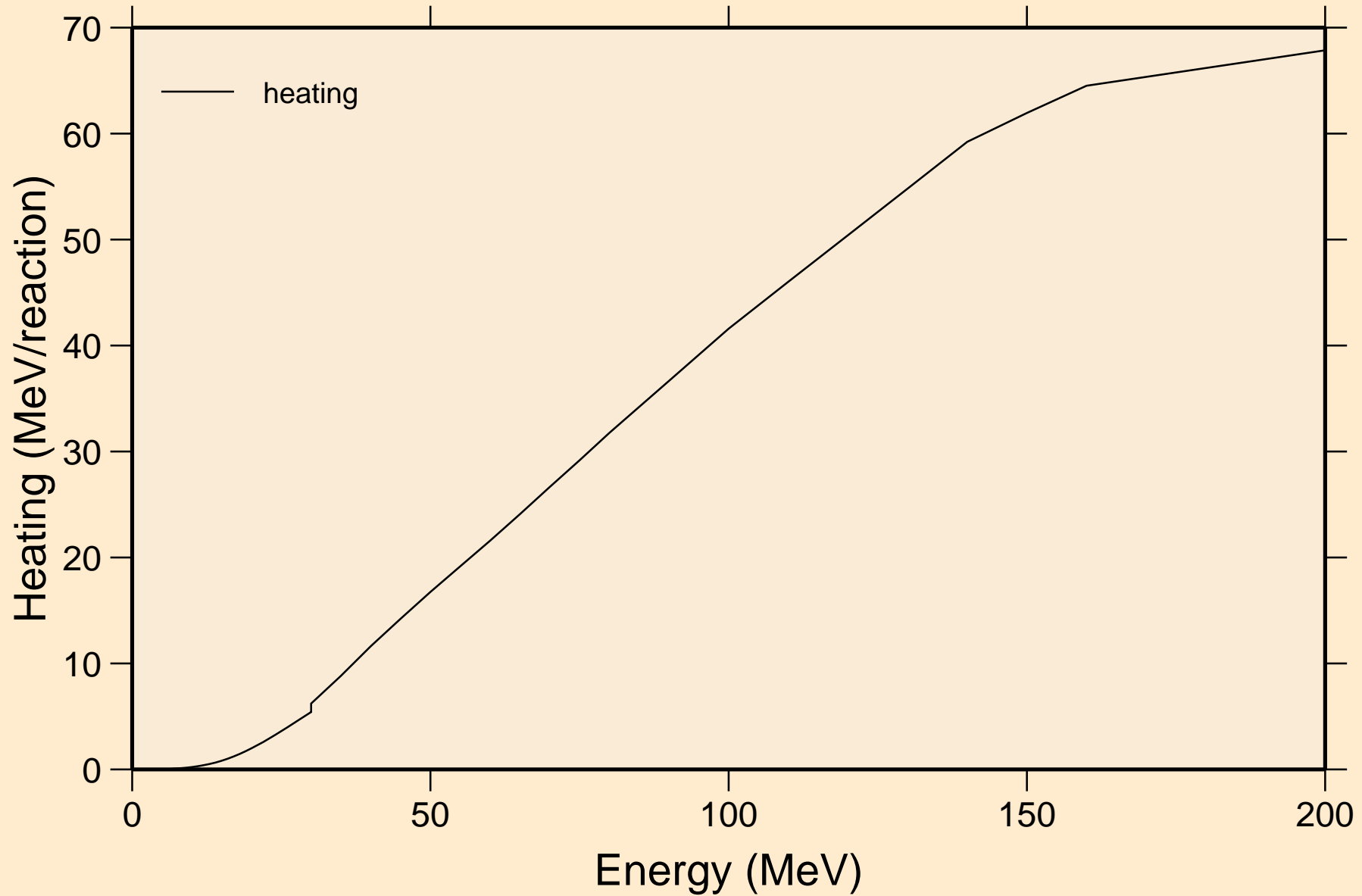
# F022 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



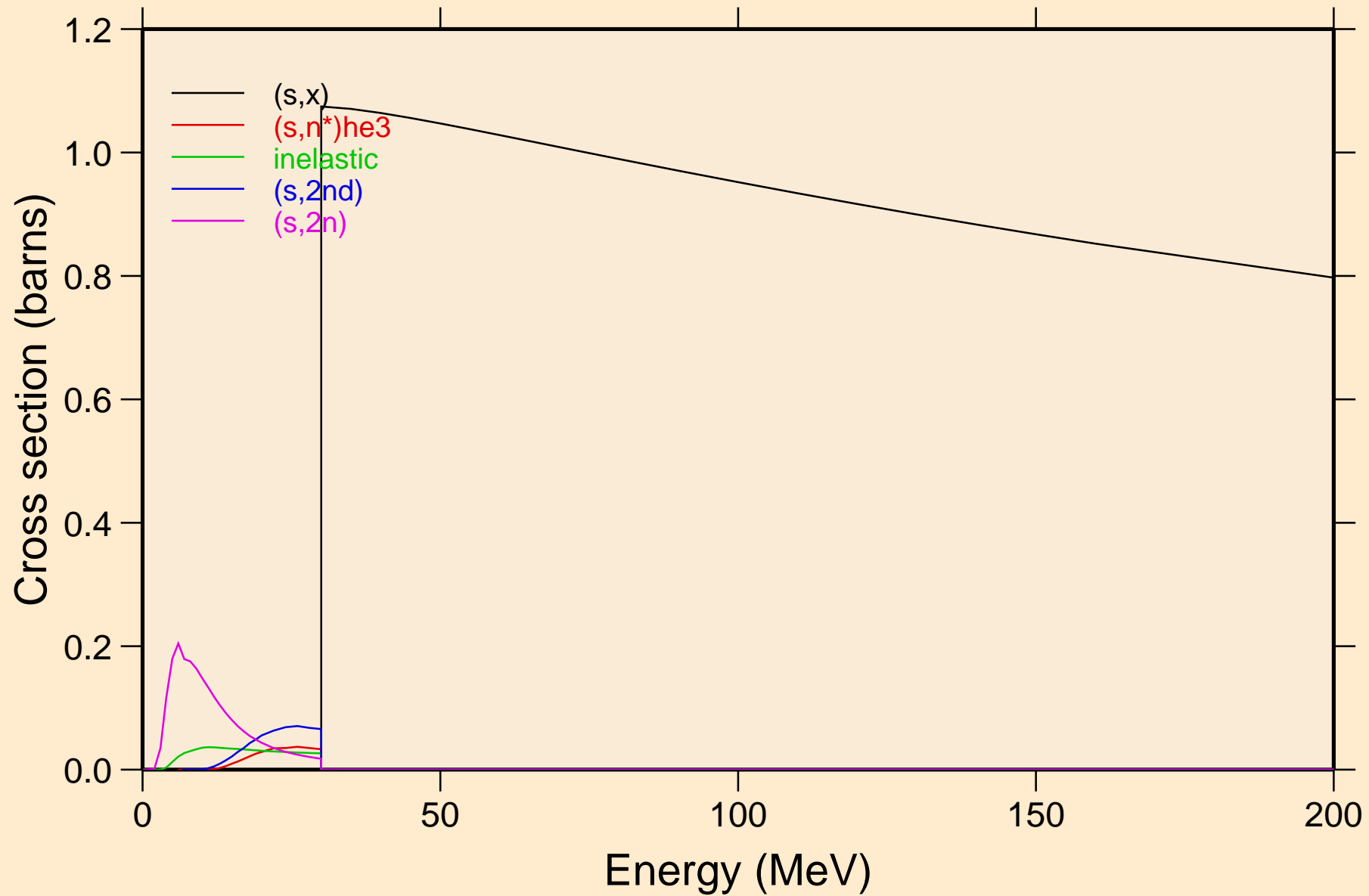
# F022 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Heating



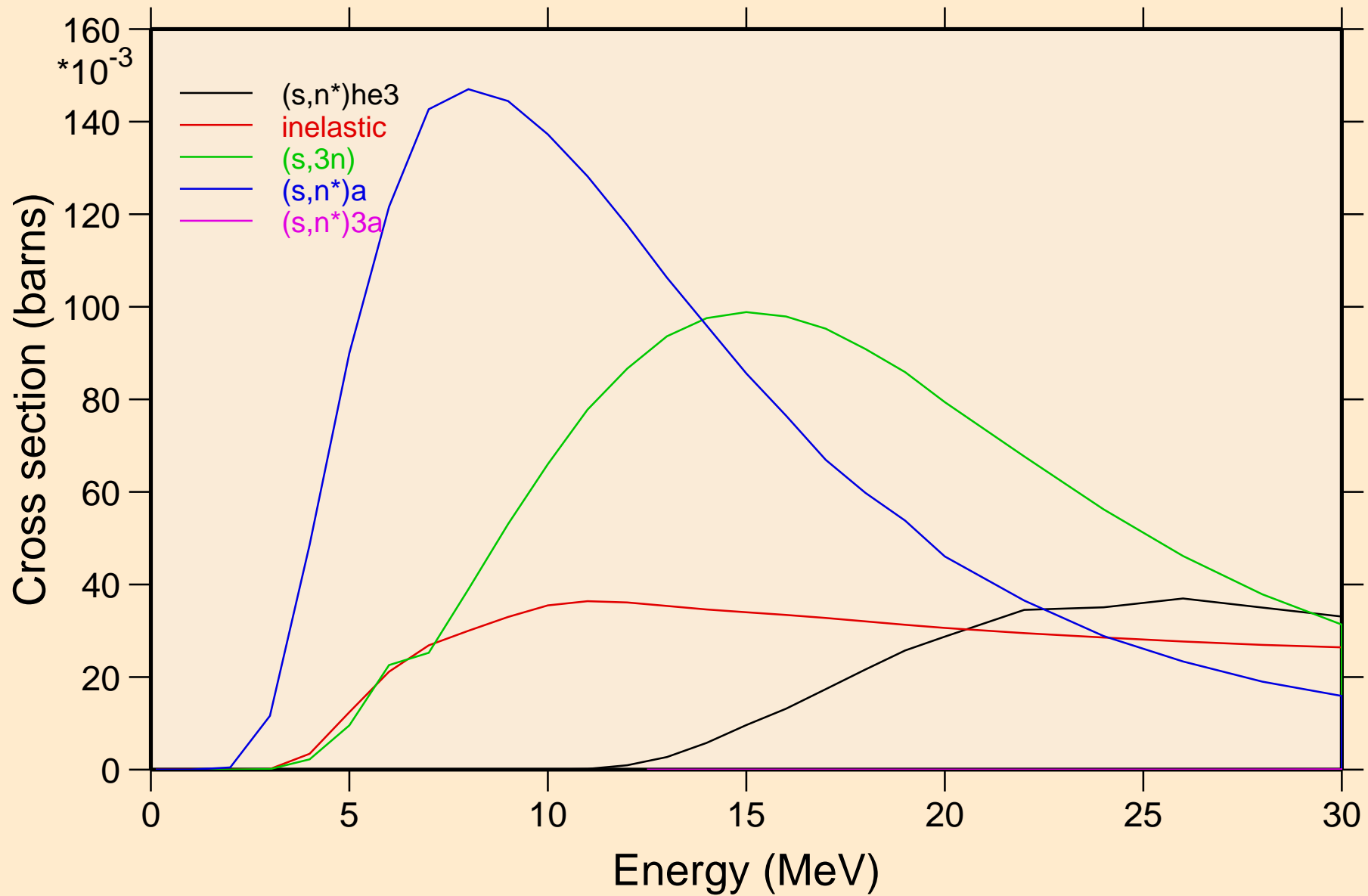
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## Threshold reactions



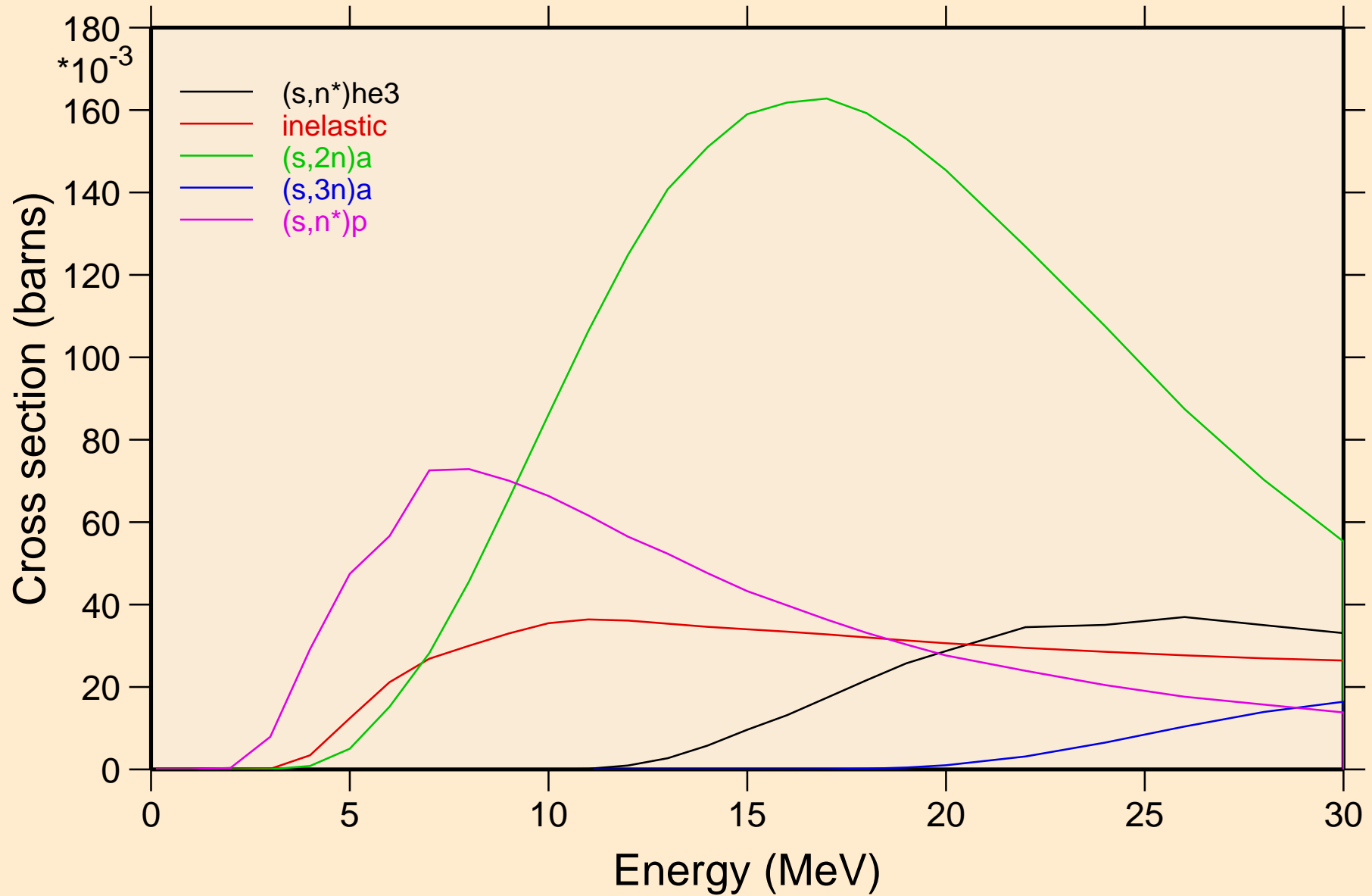
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## Threshold reactions

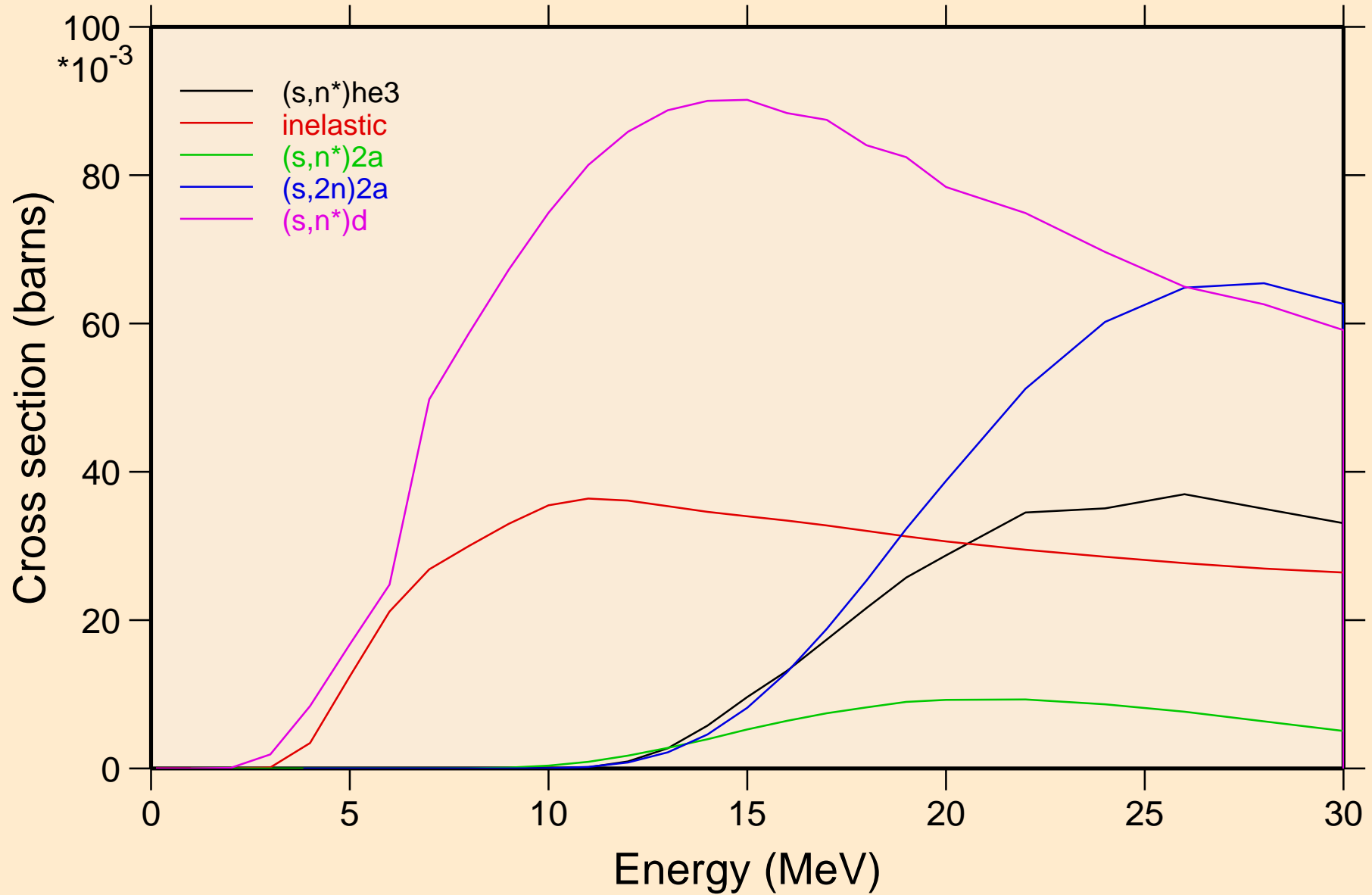


# F022 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

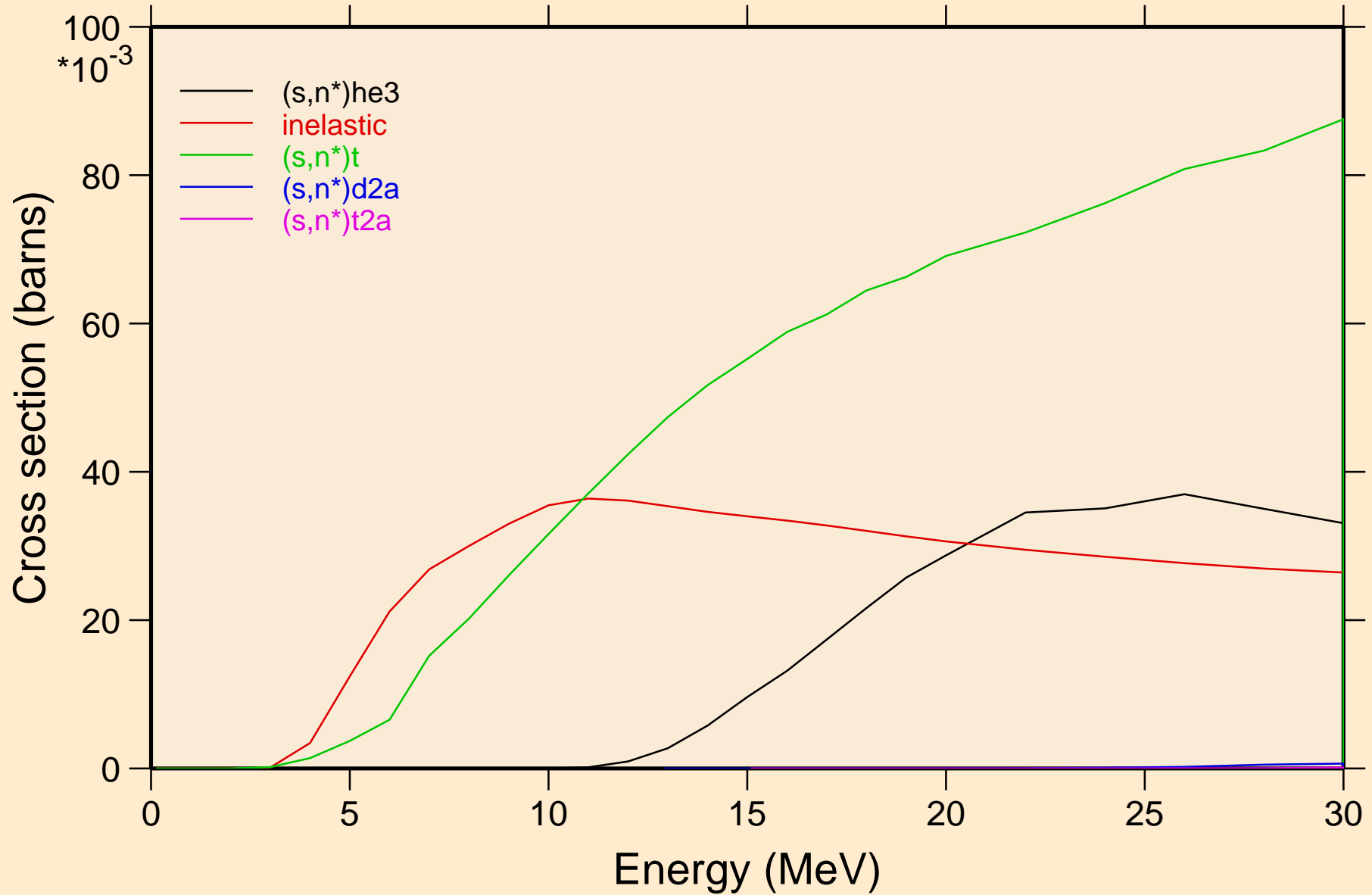


F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

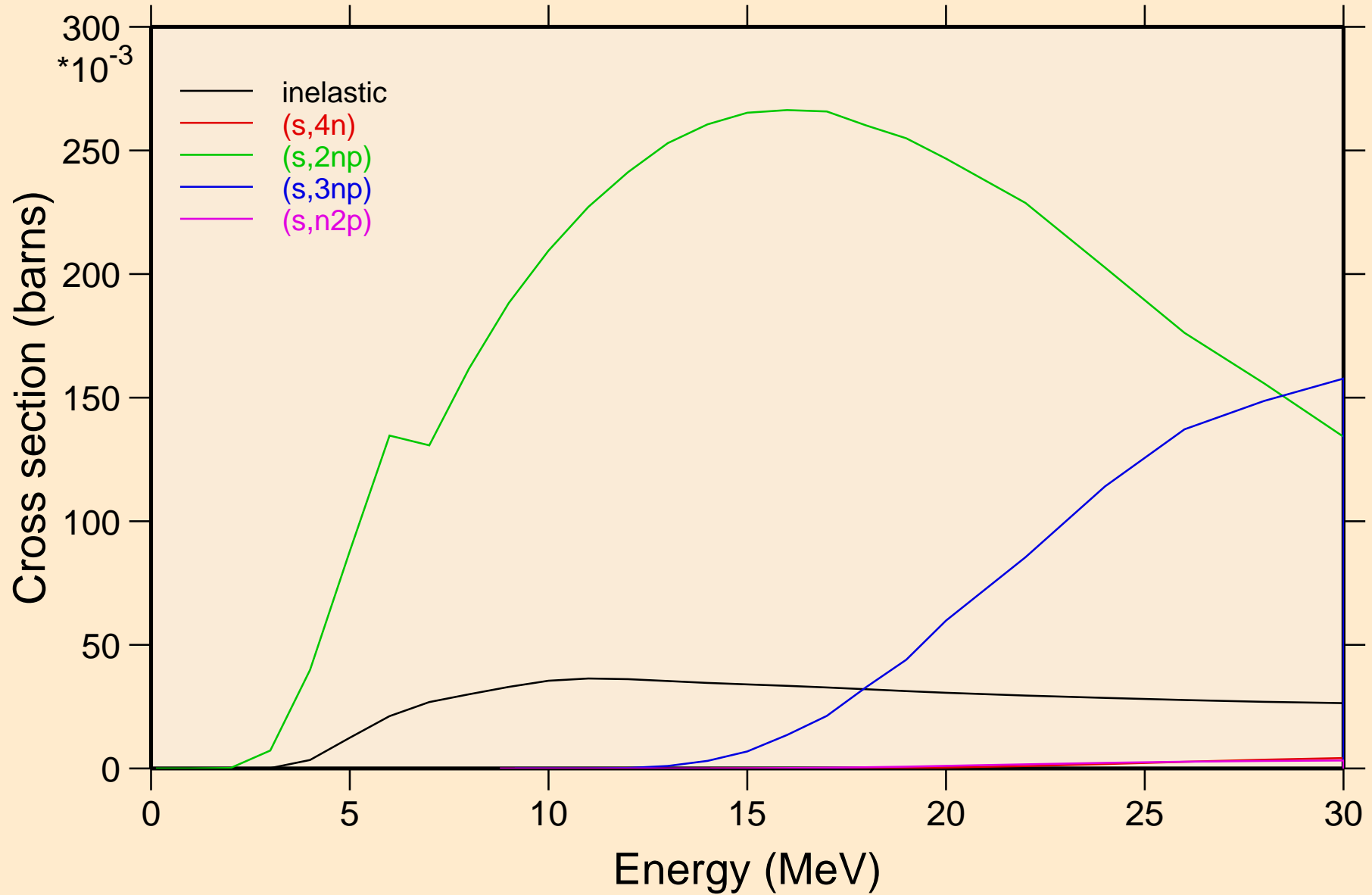




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Threshold reactions

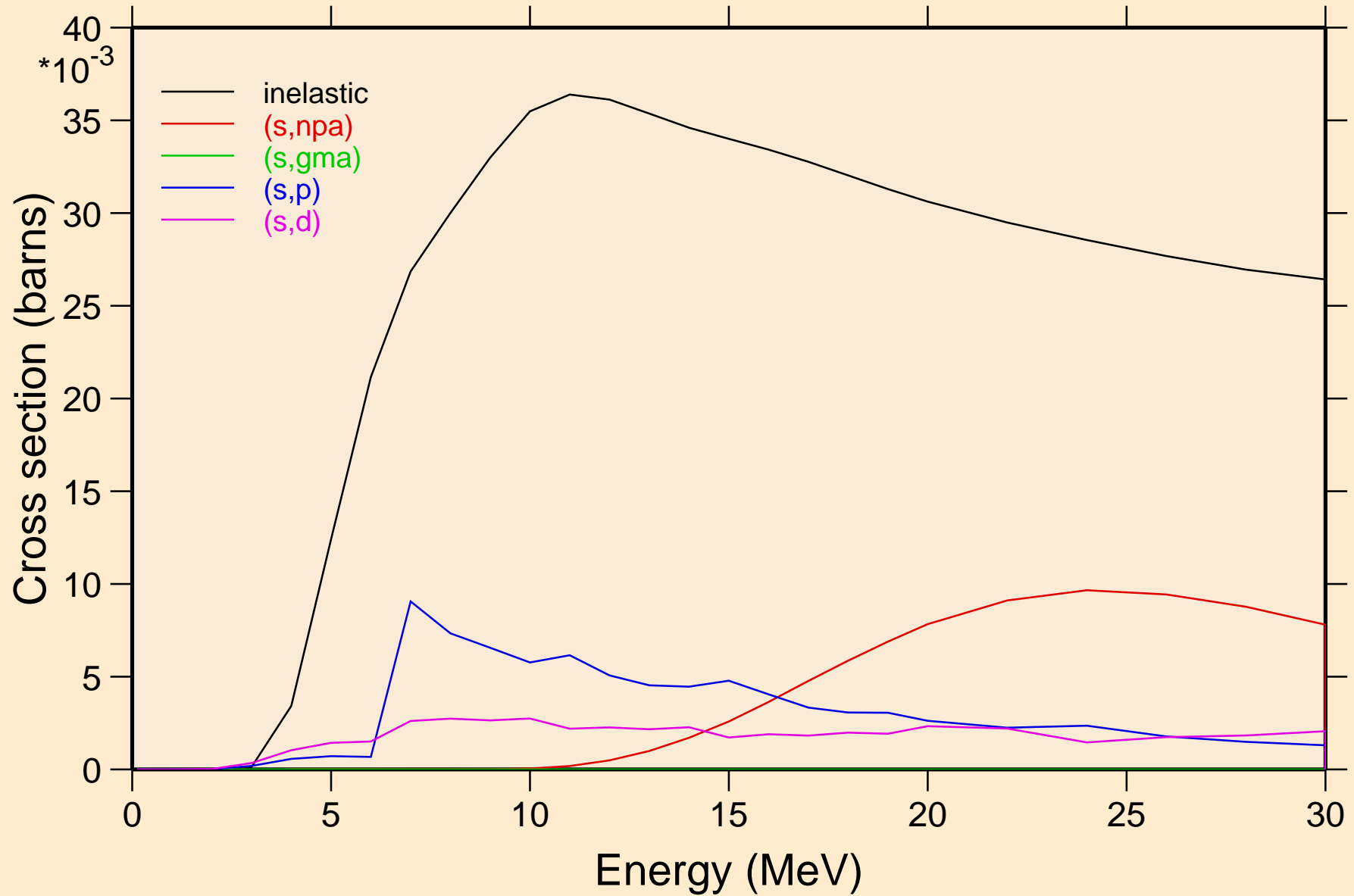


F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



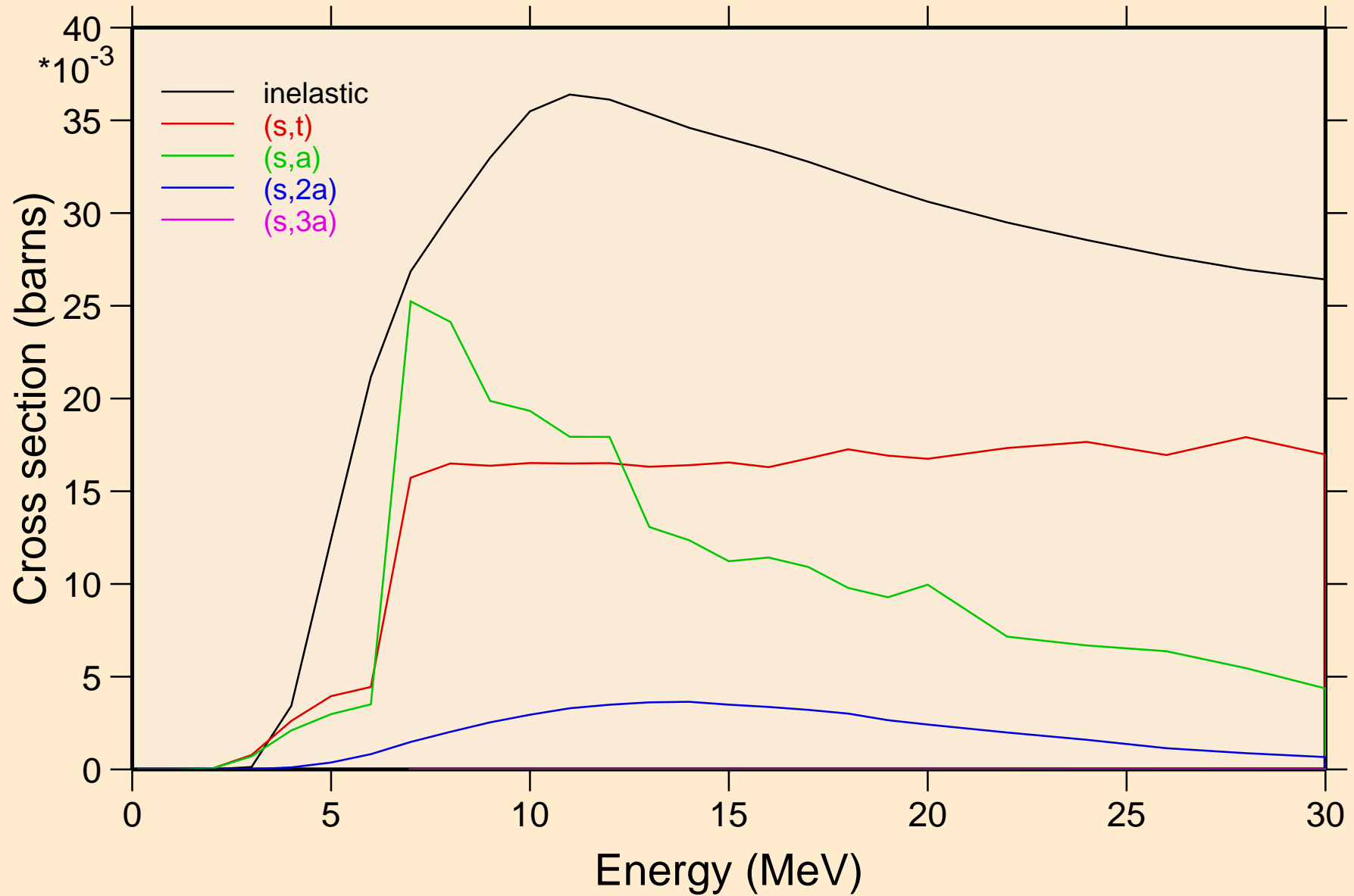
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## Threshold reactions

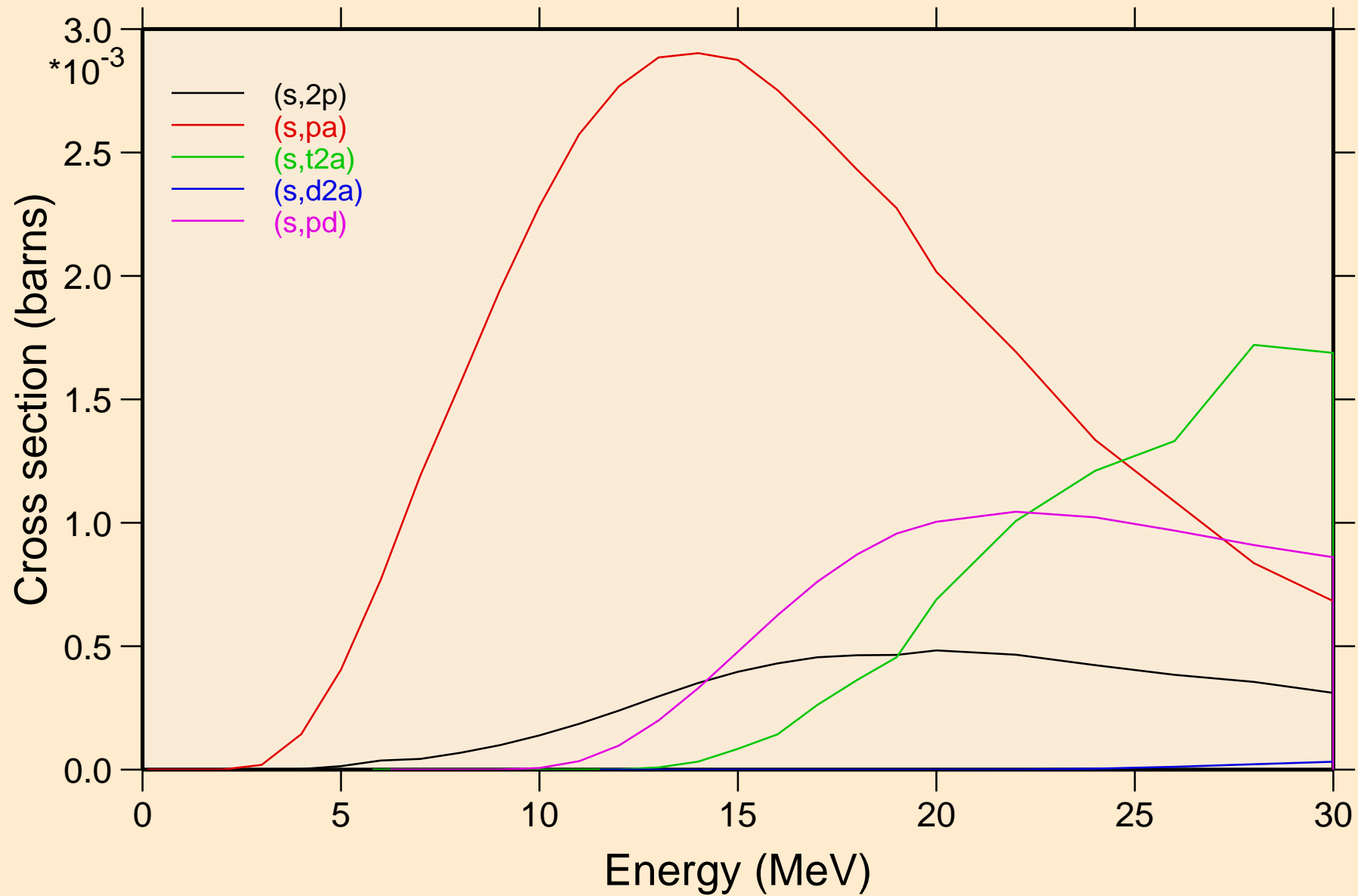


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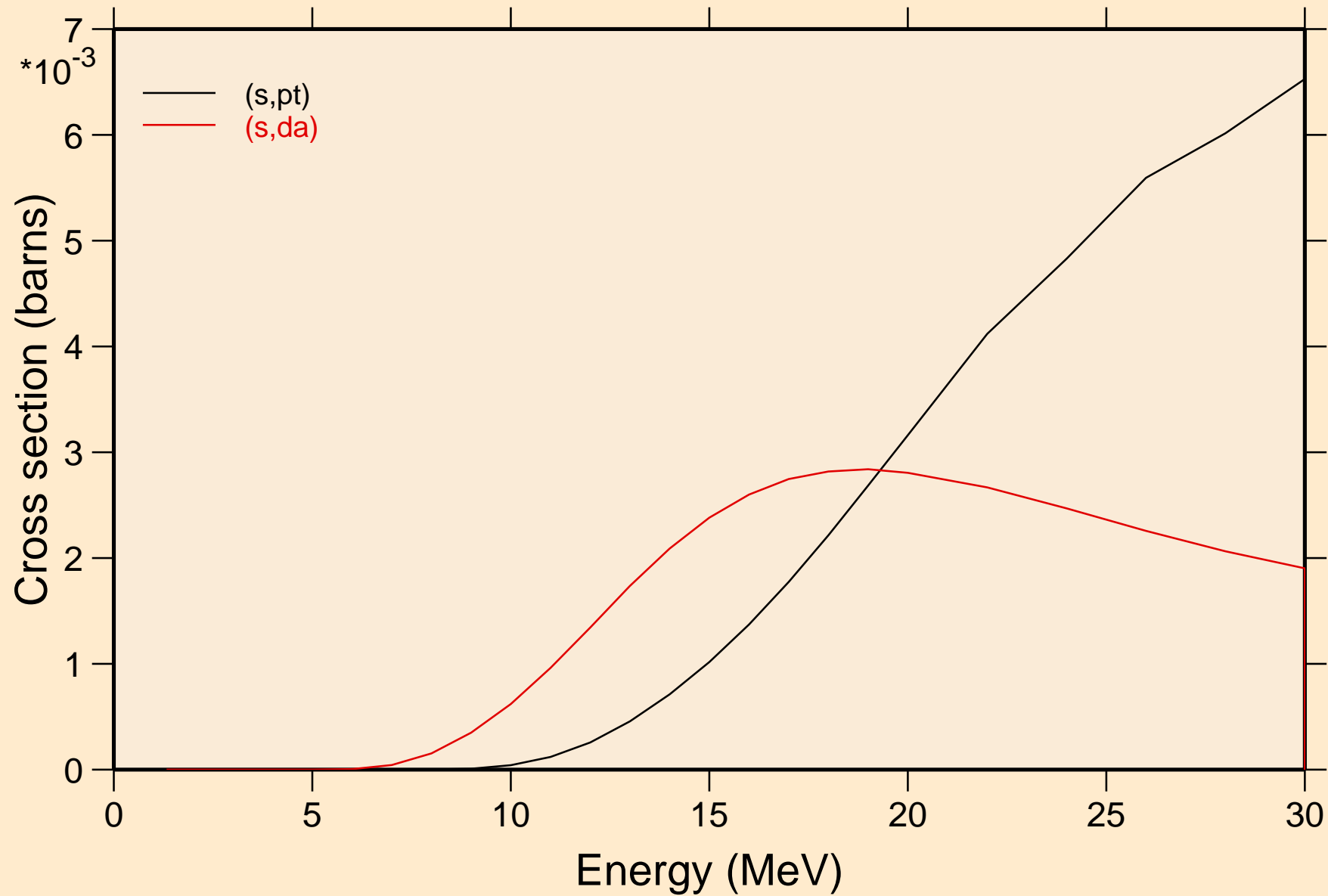
## Threshold reactions



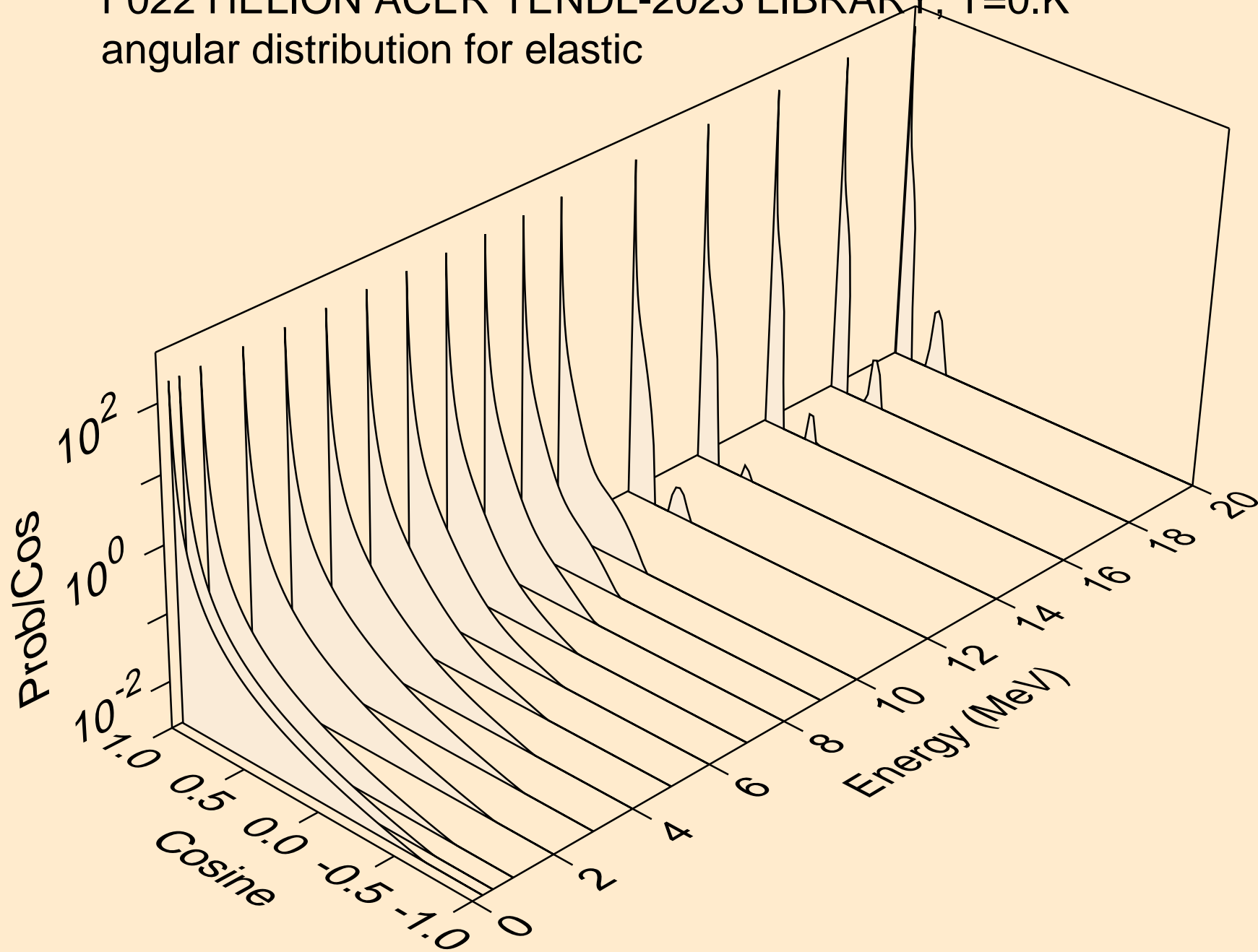
F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



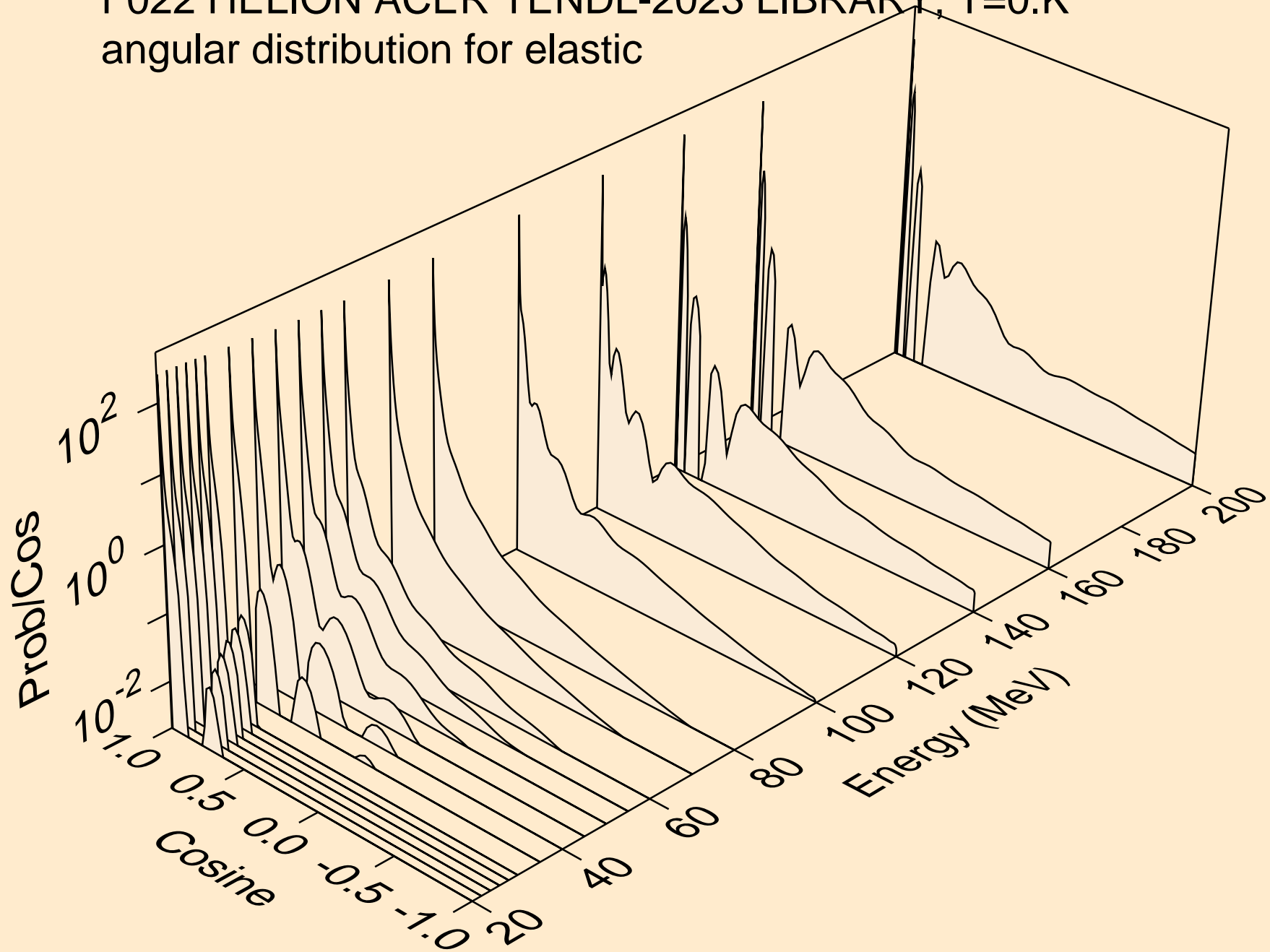
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Threshold reactions



F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

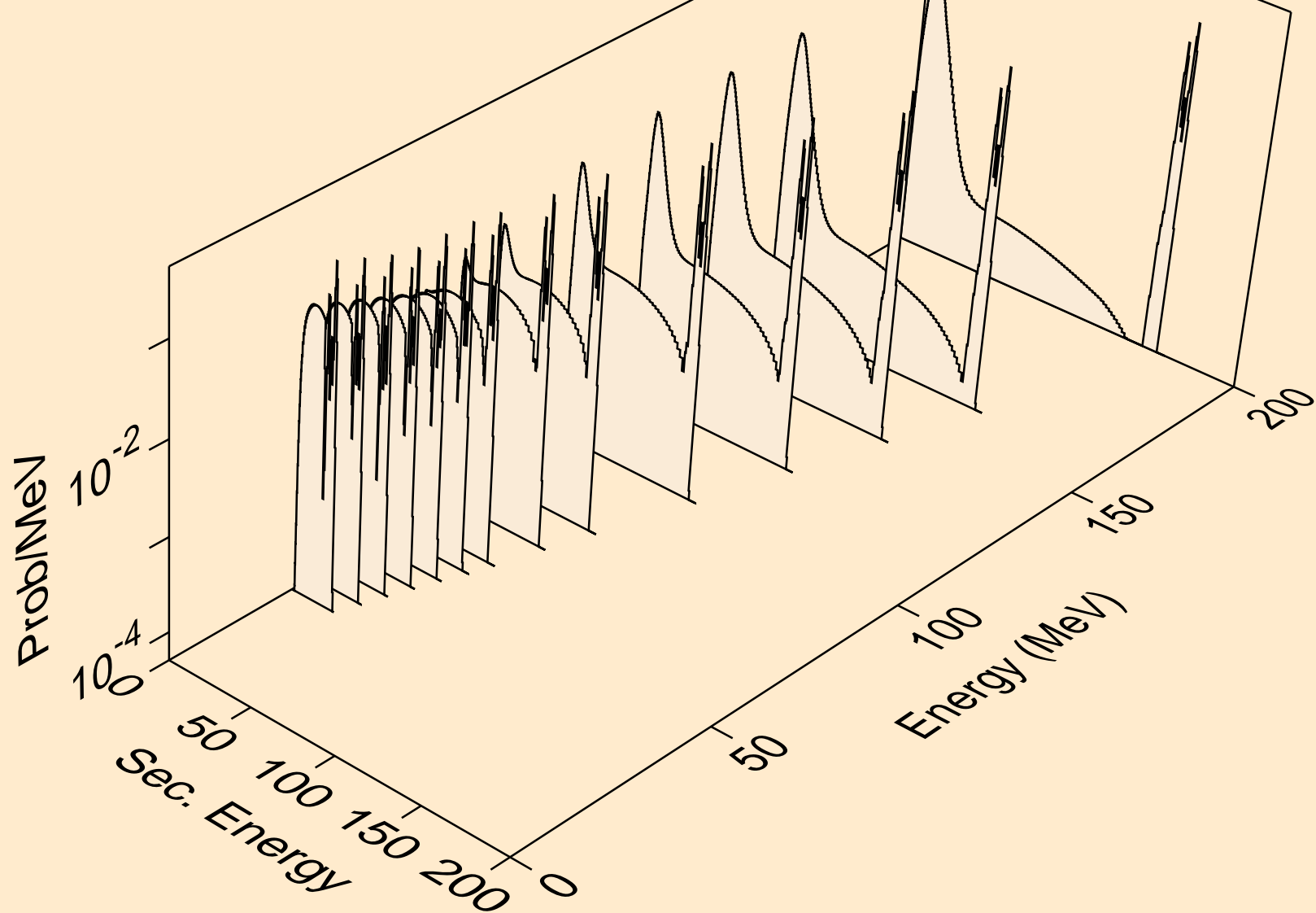


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angular distribution for elastic

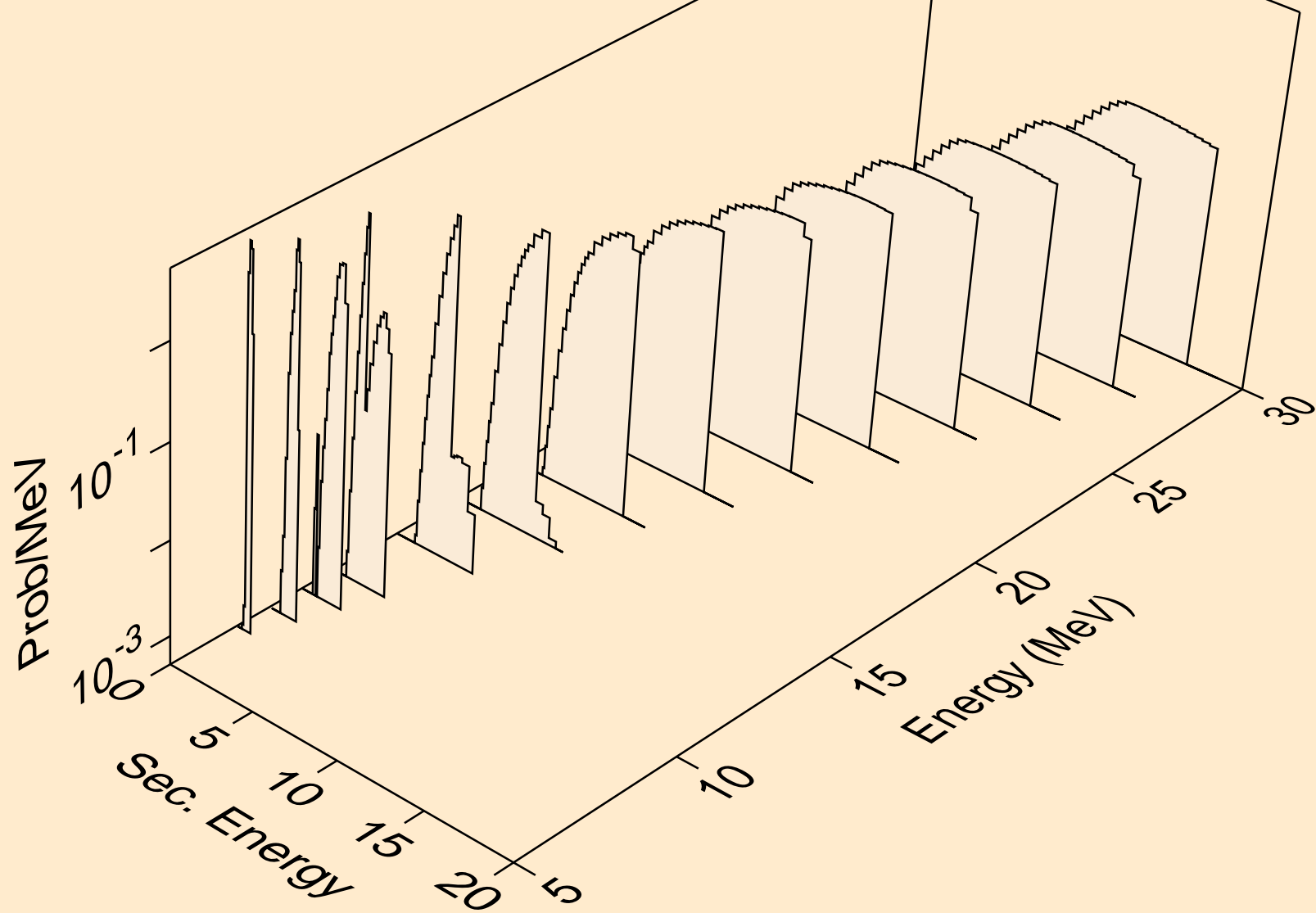




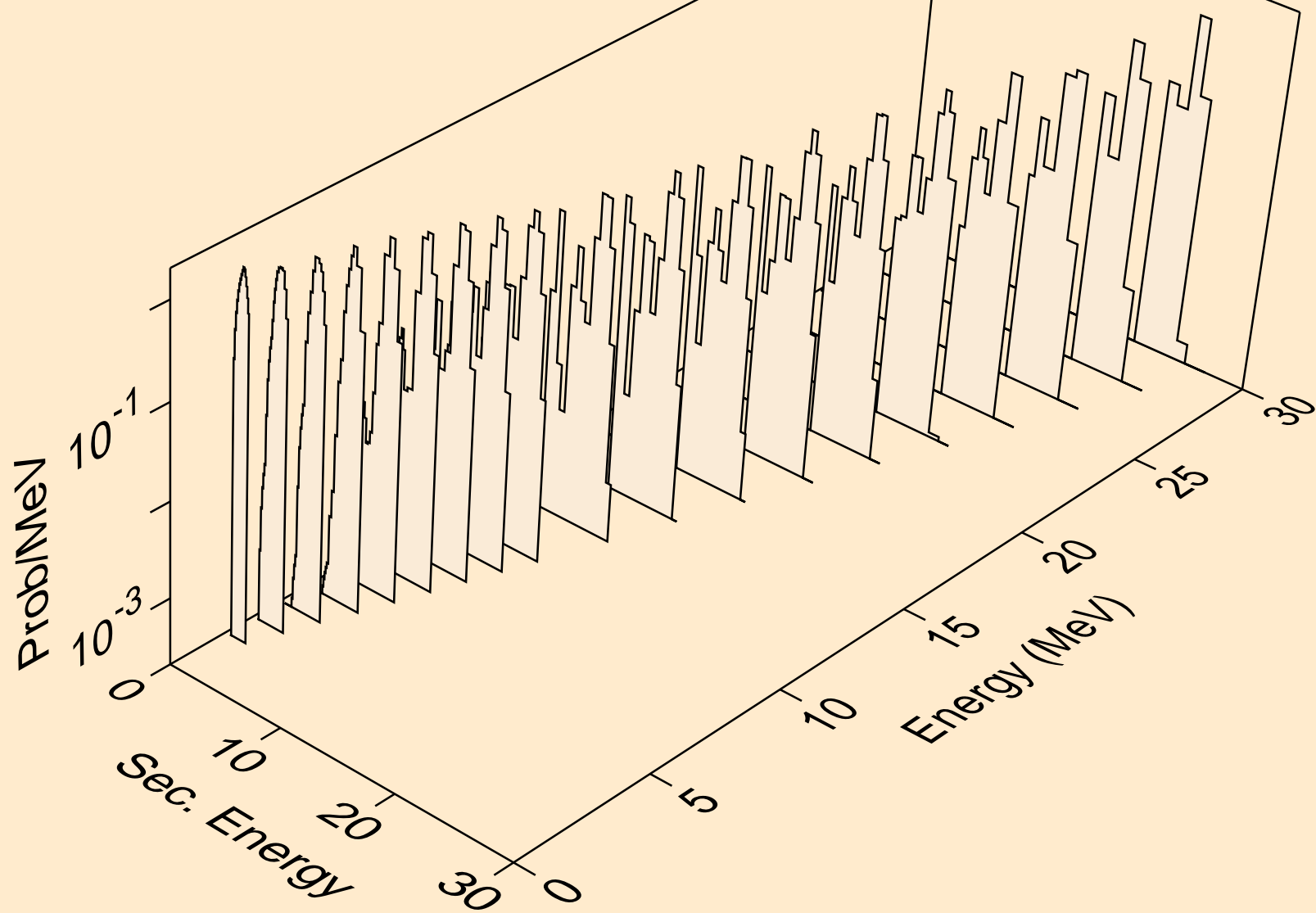
F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)



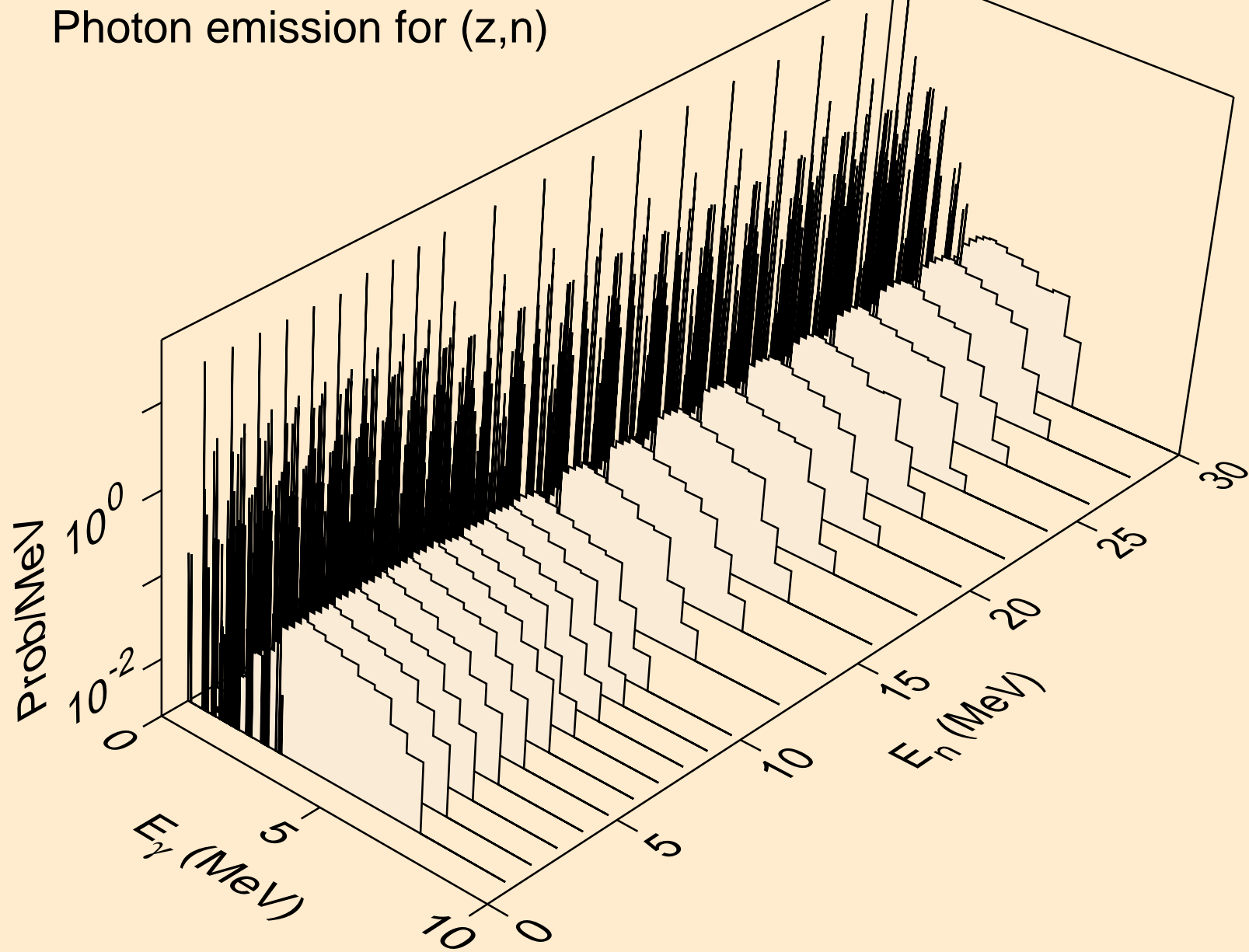
F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3



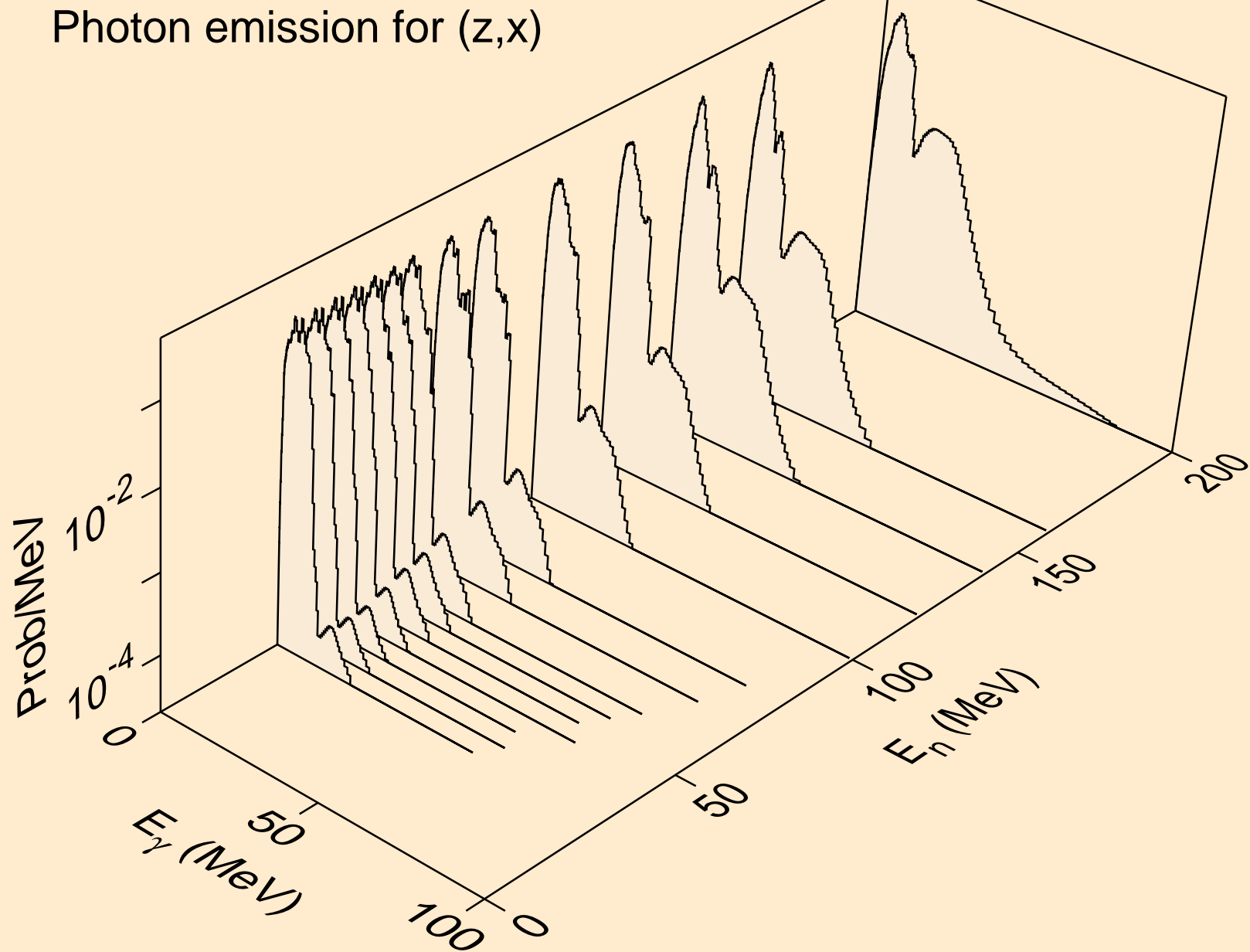
F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic



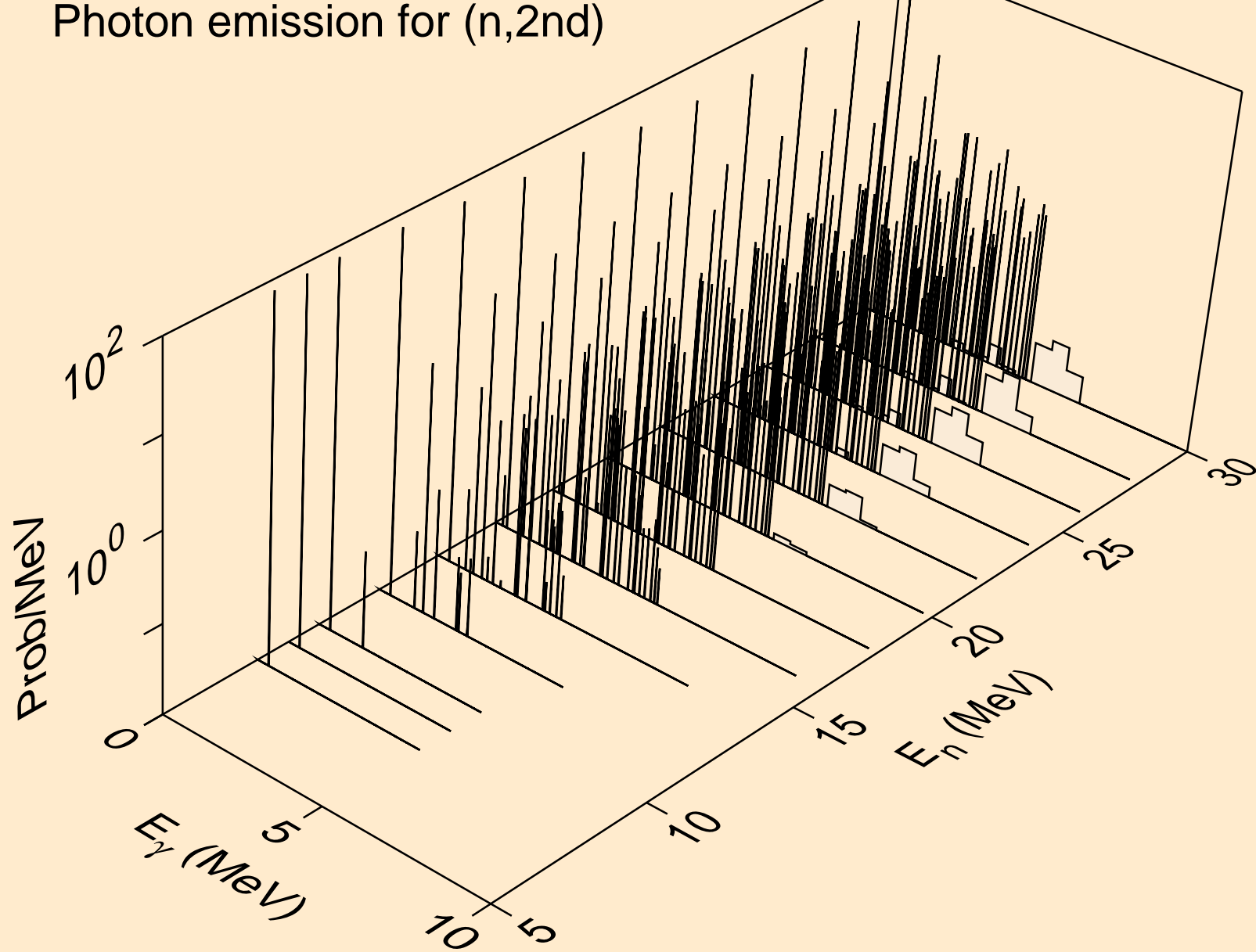
F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



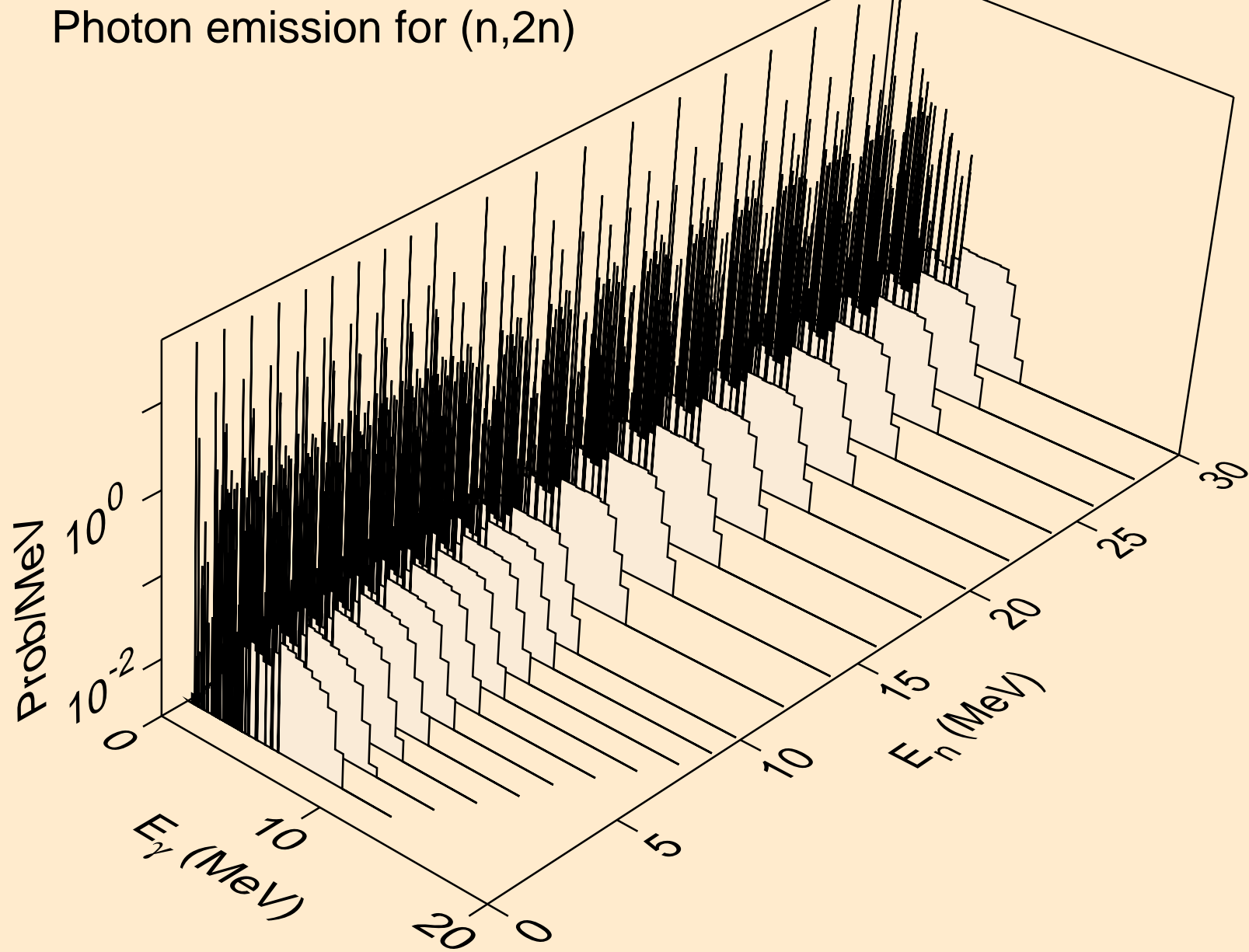
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Photon emission for (z,x)



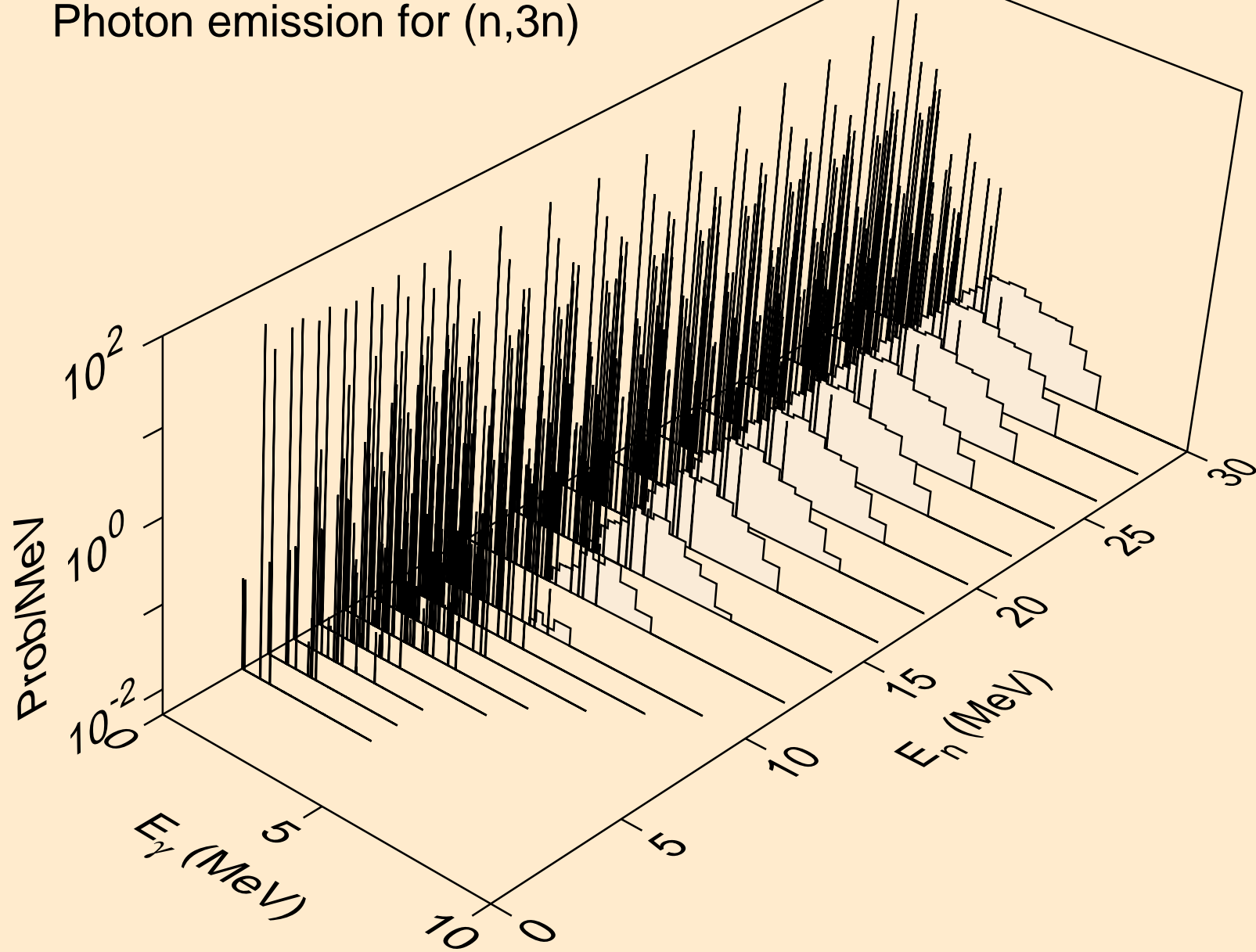
F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

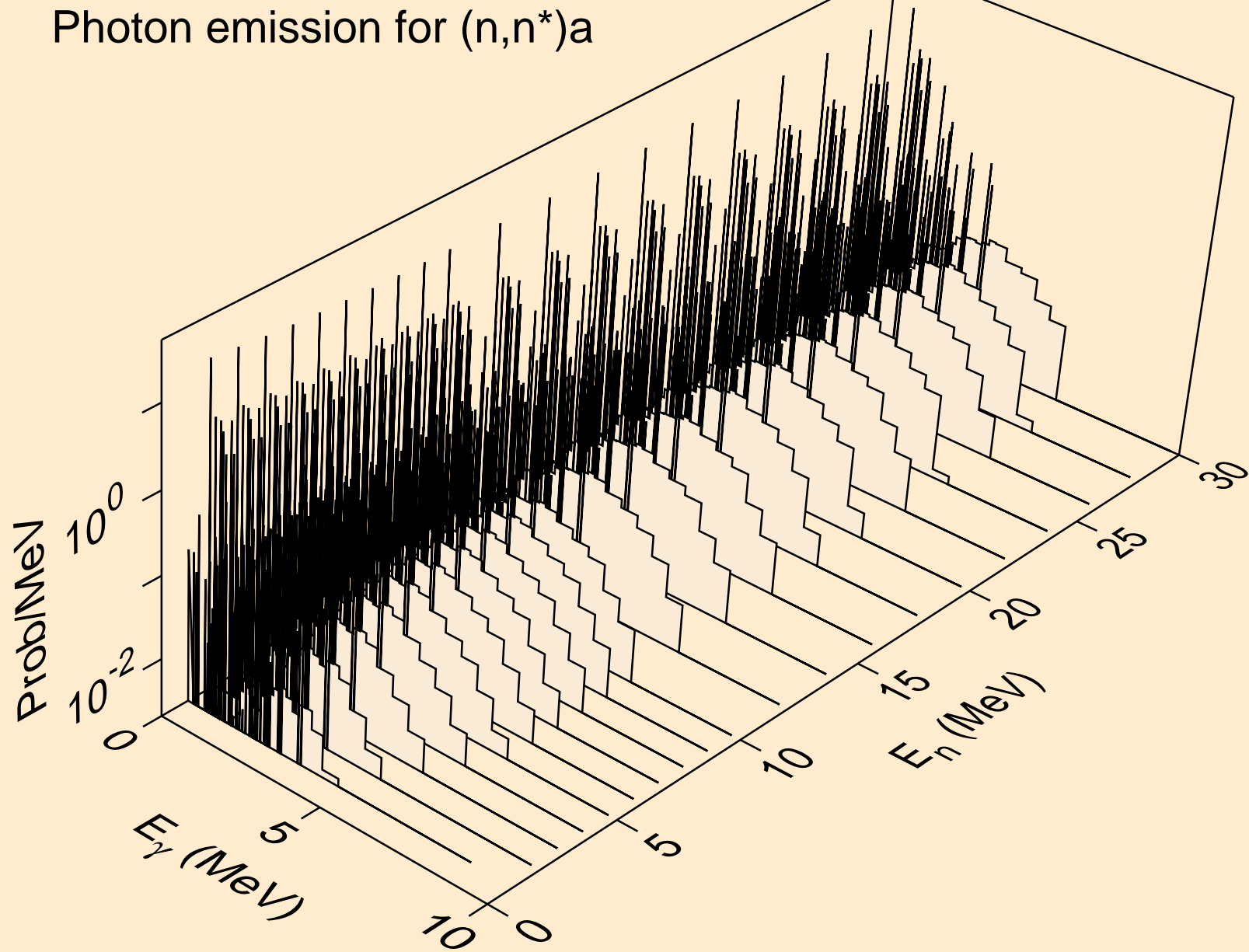


F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)

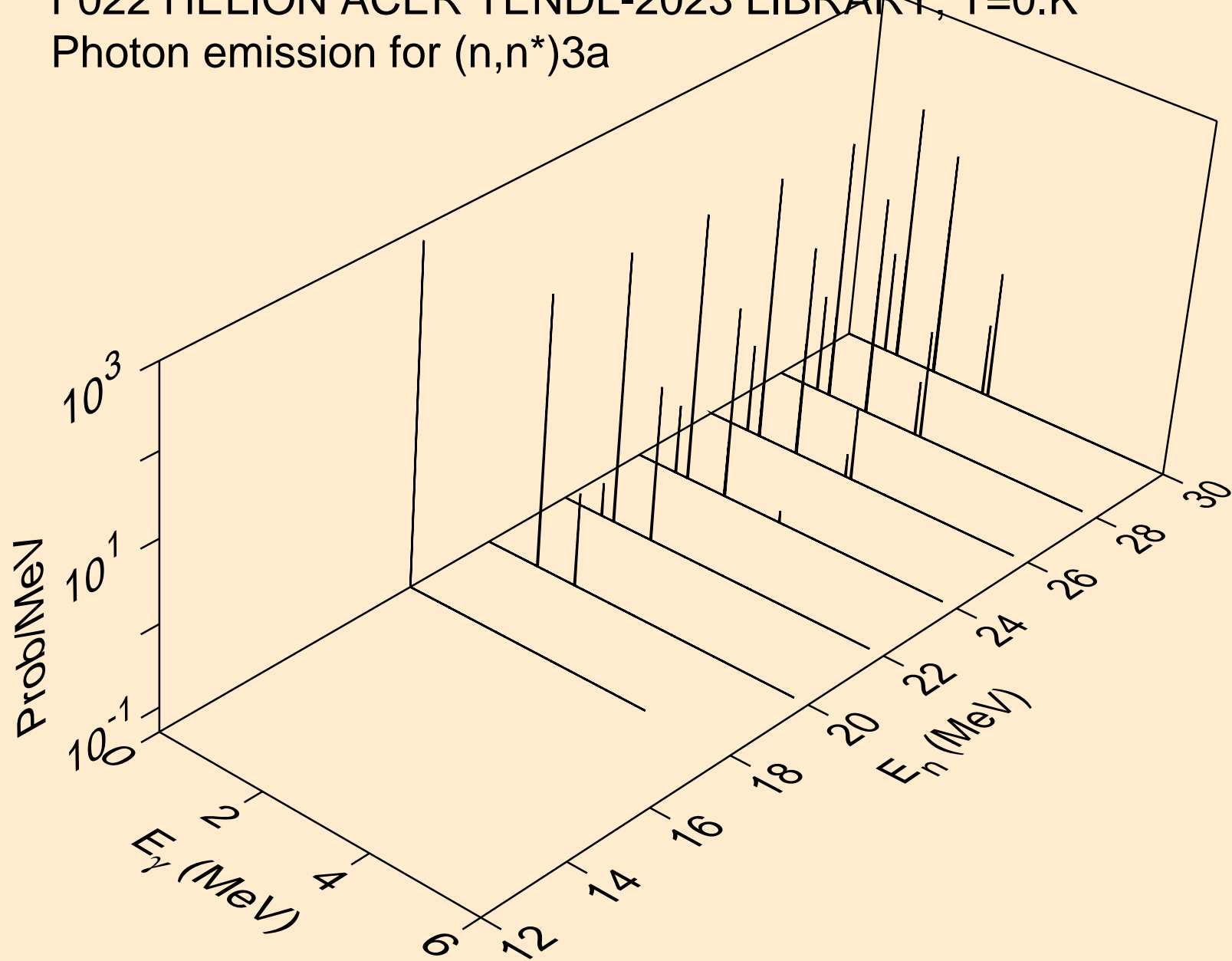




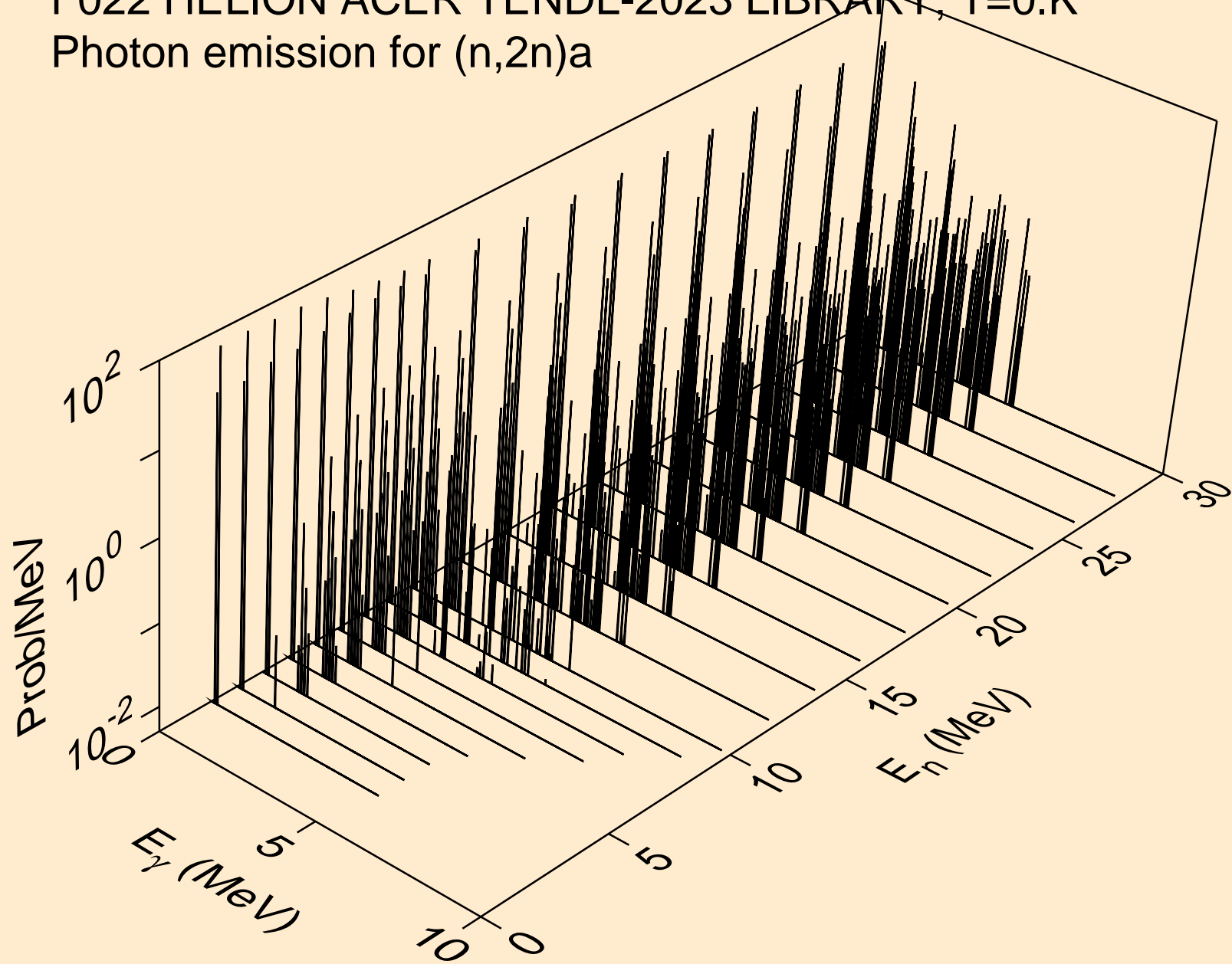
F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



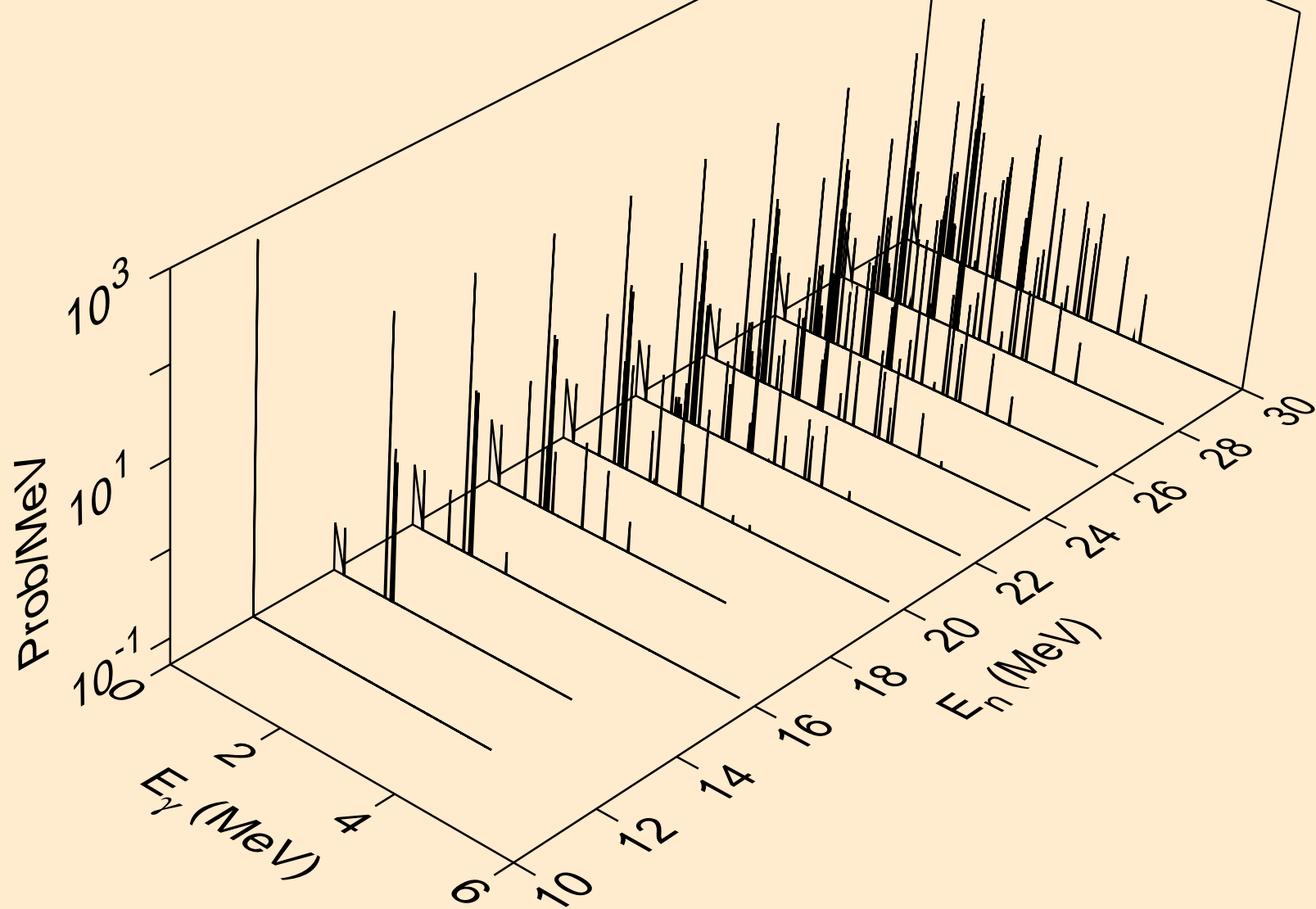
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Photon emission for (n,n\*)3a



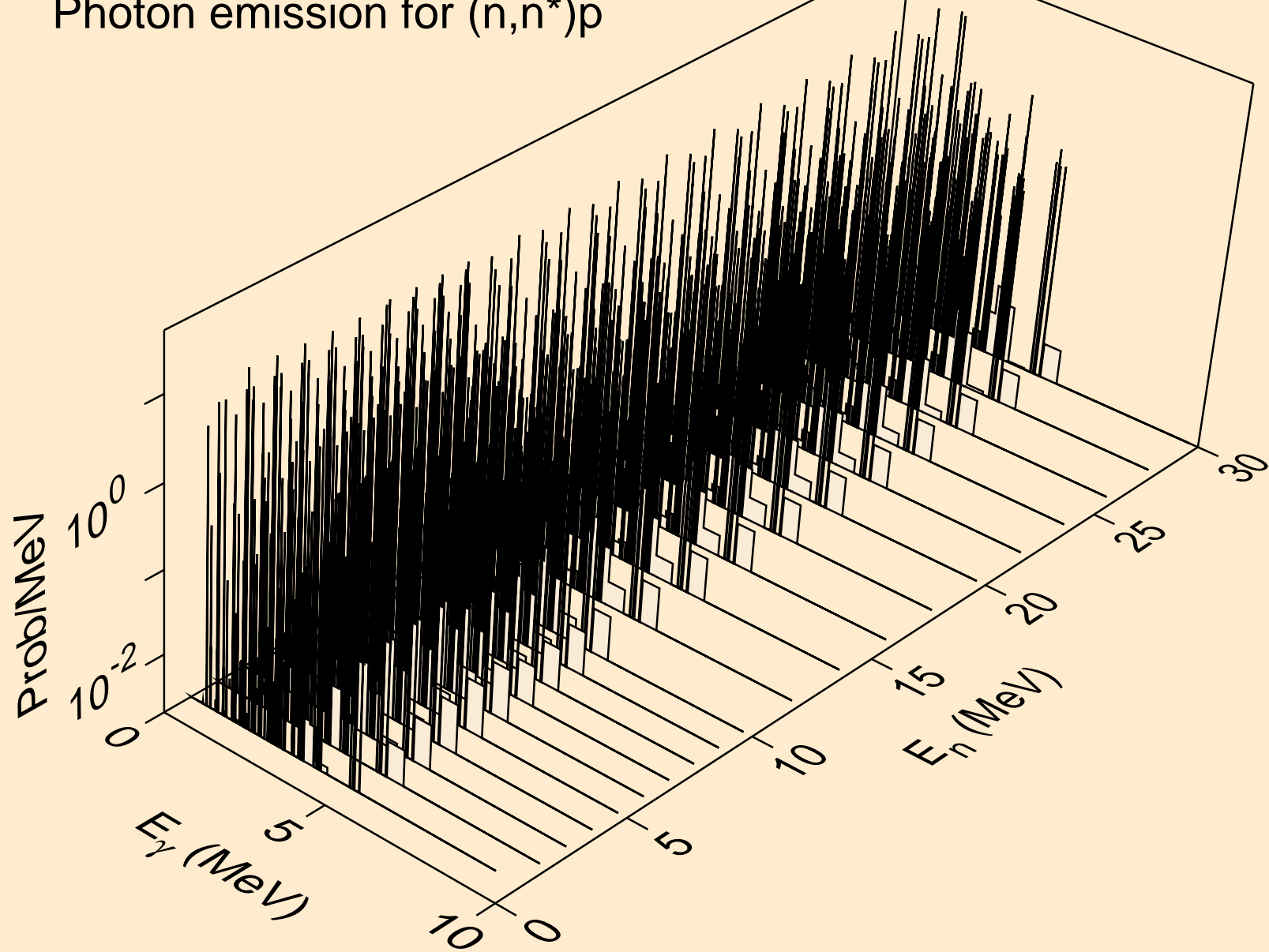
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Photon emission for (n,2n)a



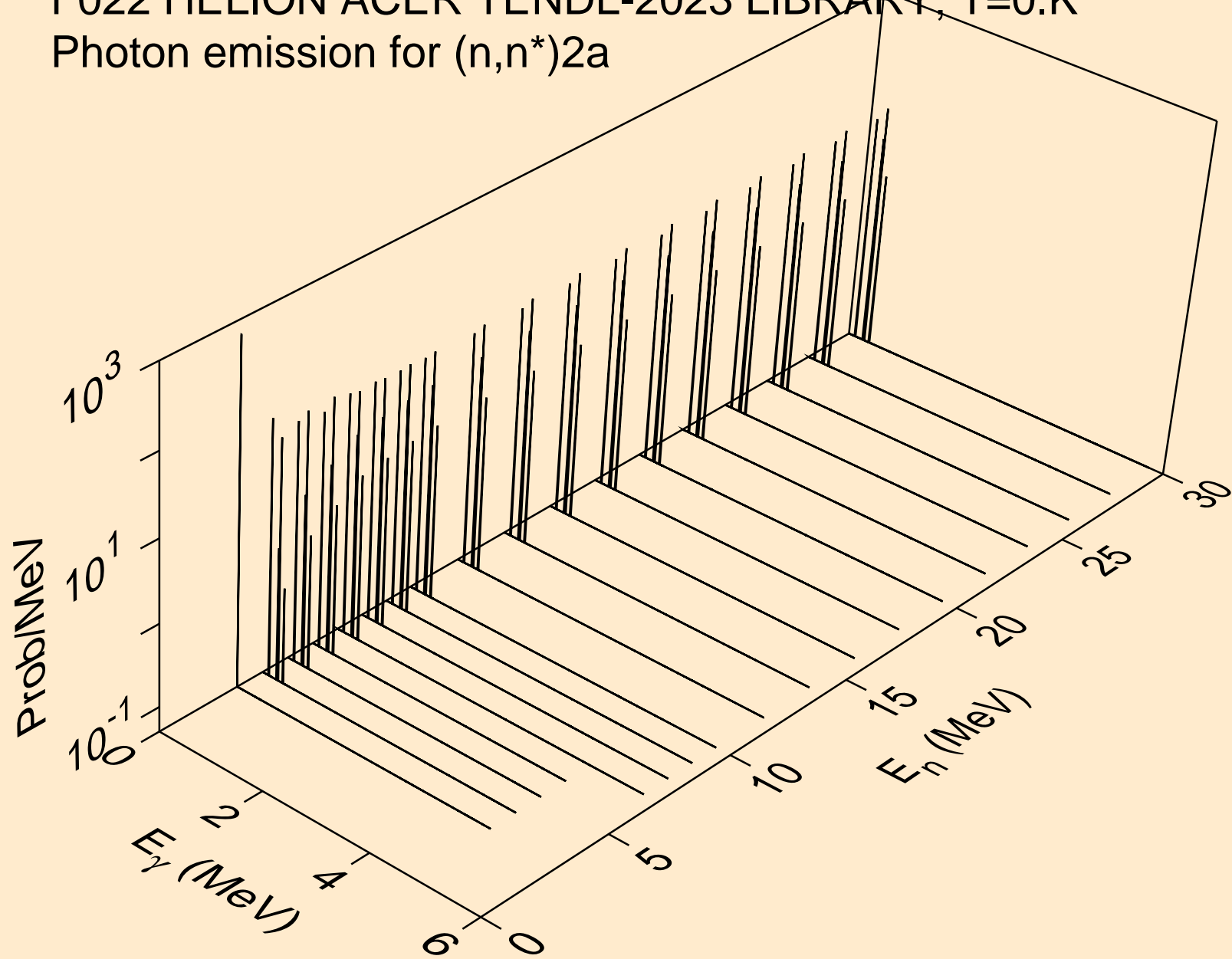
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Photon emission for (n,3n)a



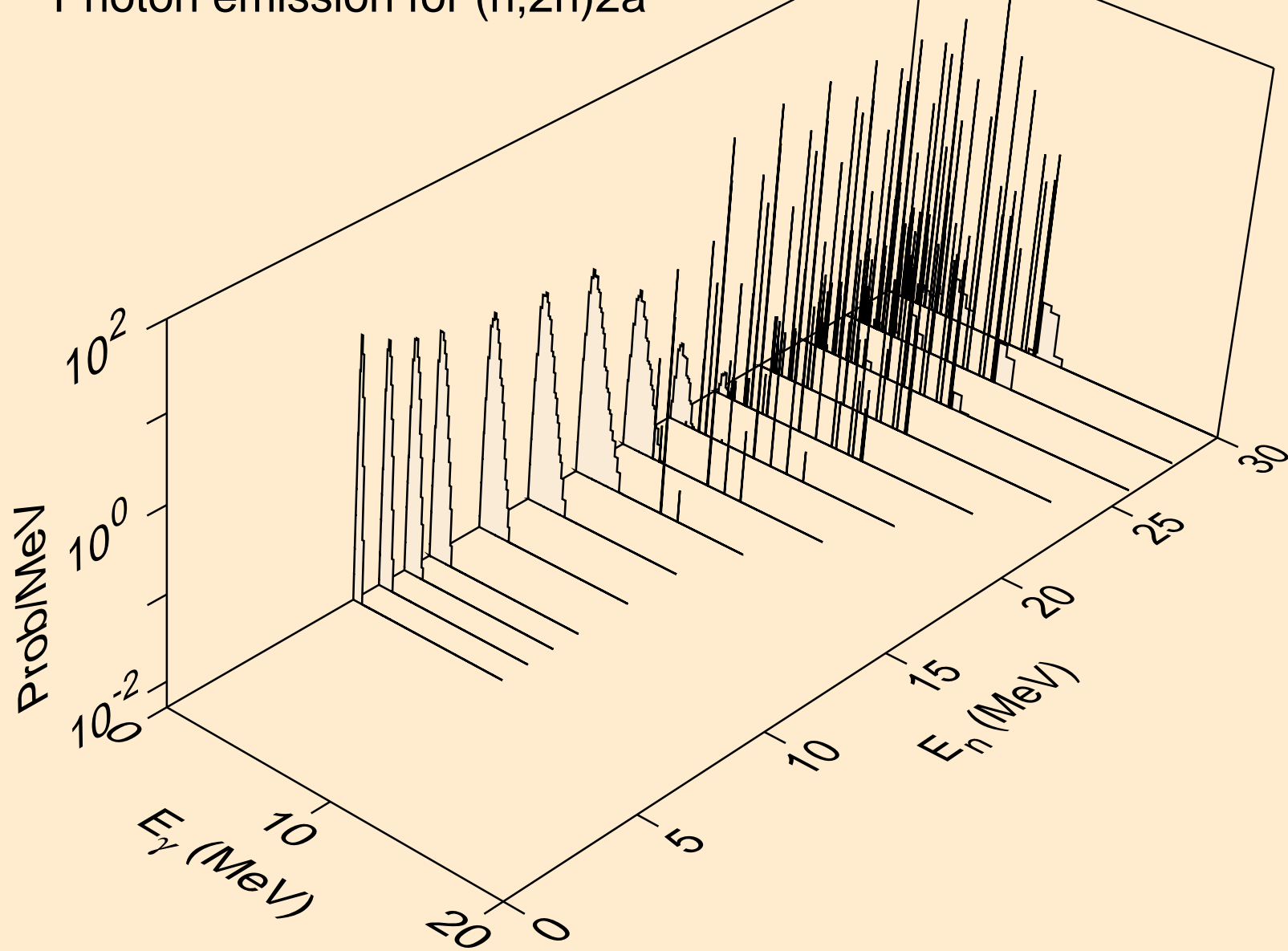
F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



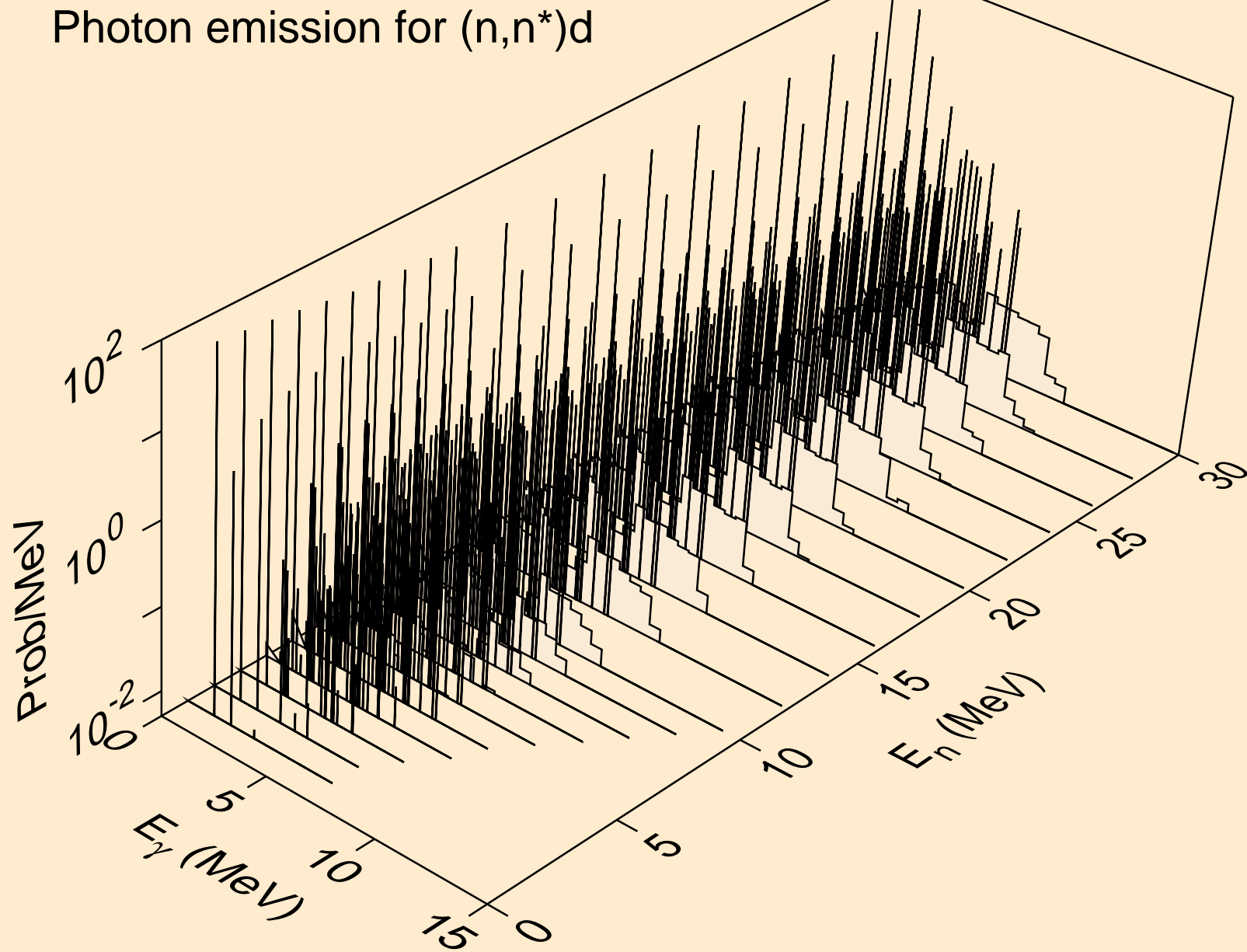
F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a

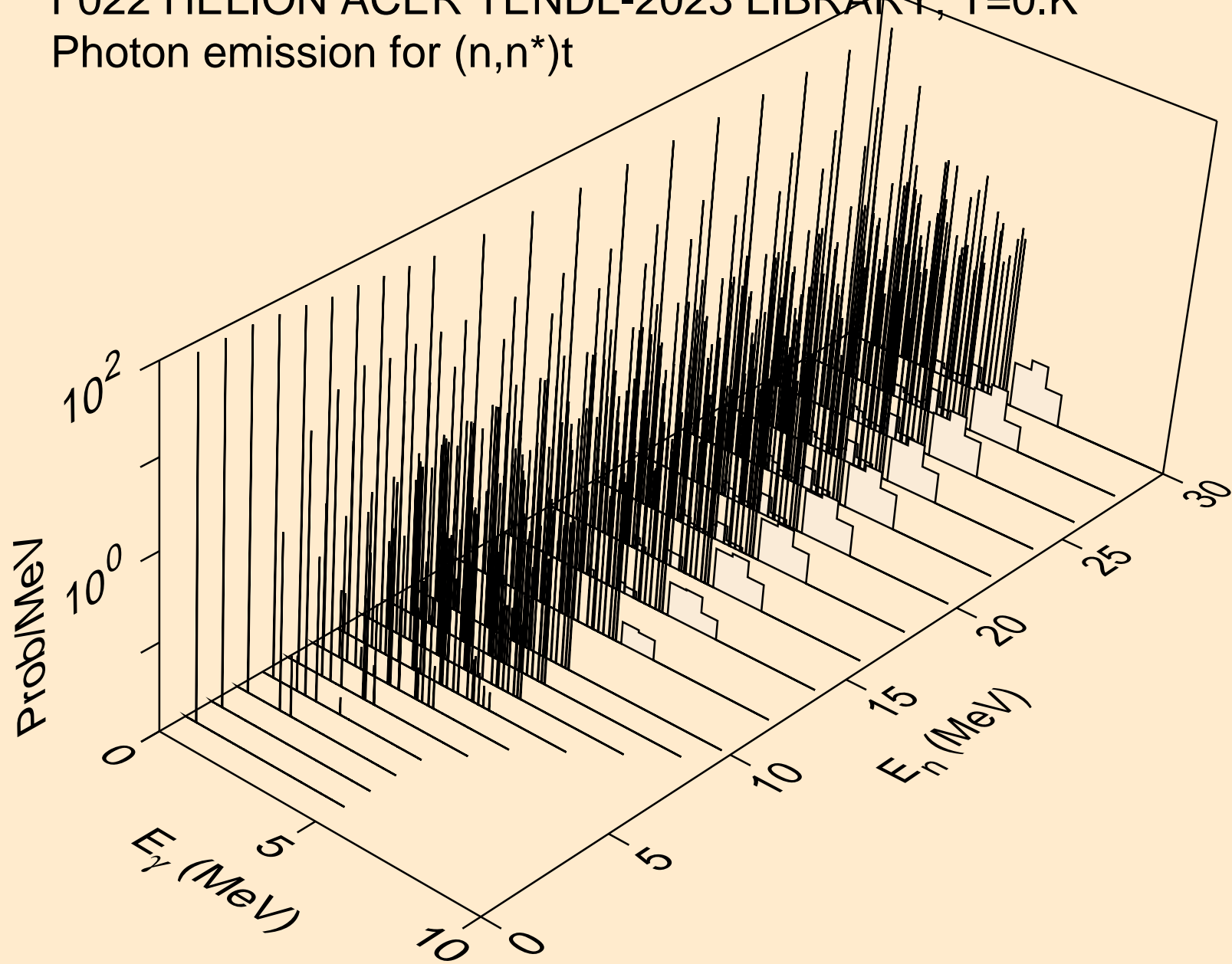


F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

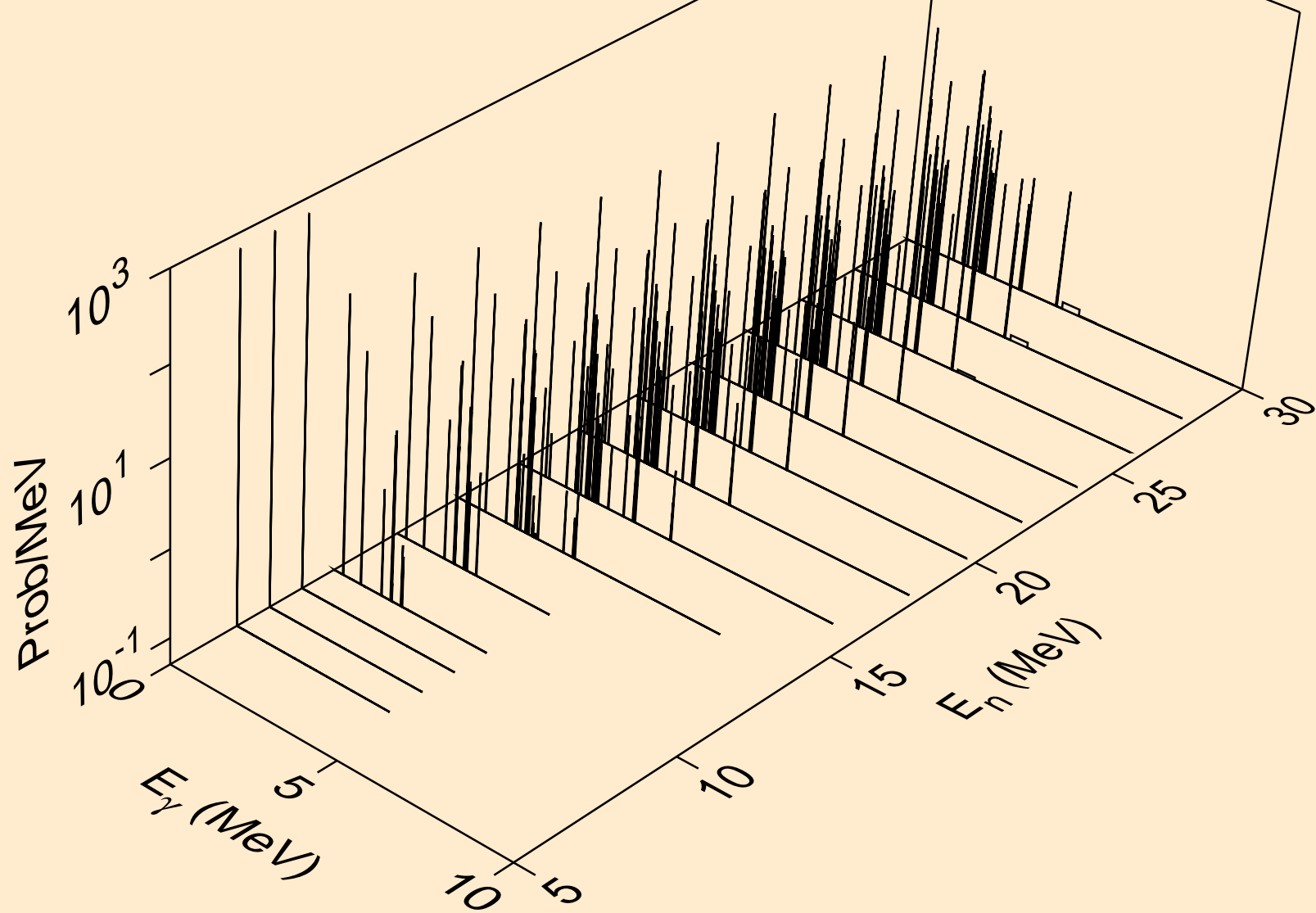




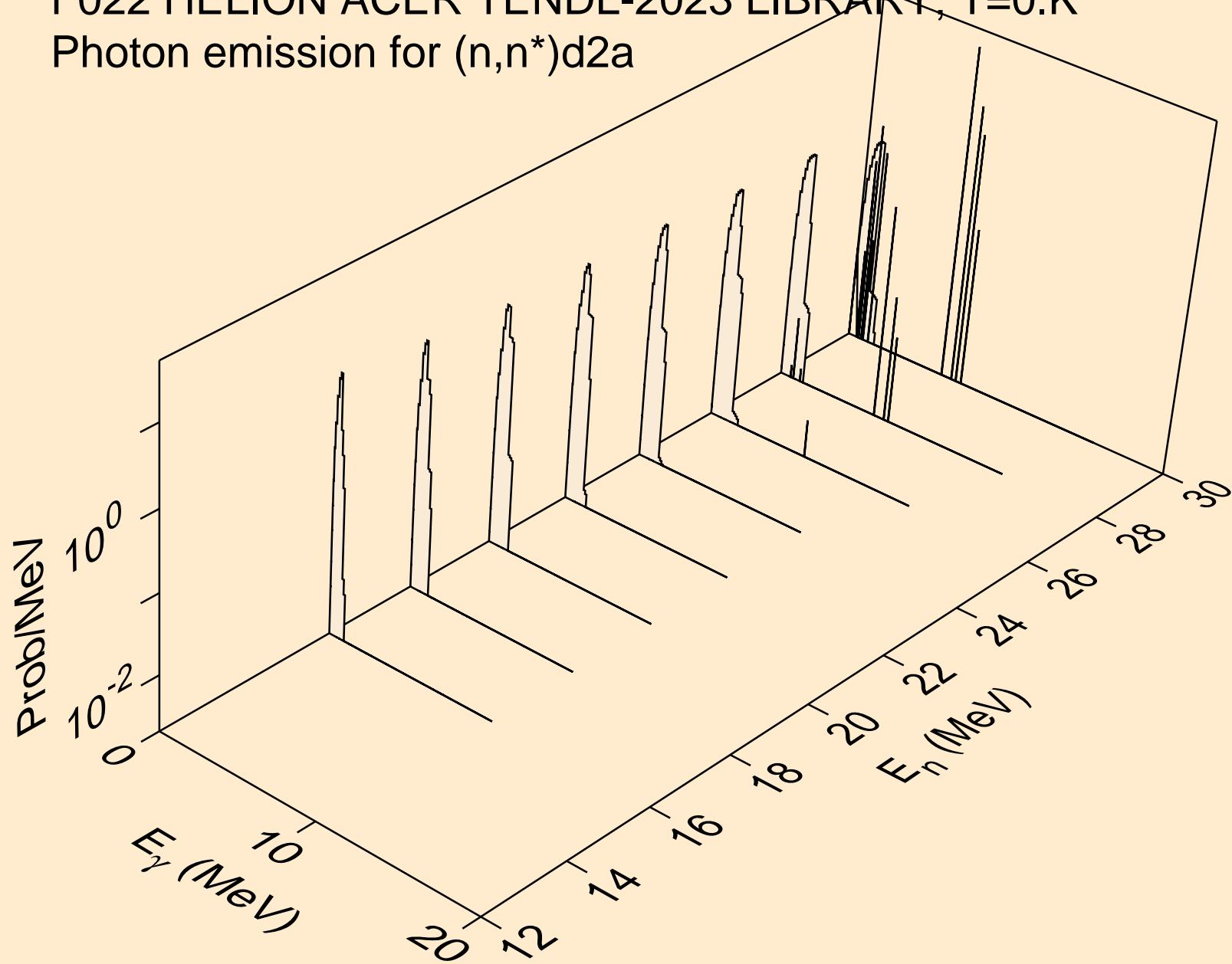
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Photon emission for (n,n\*)t



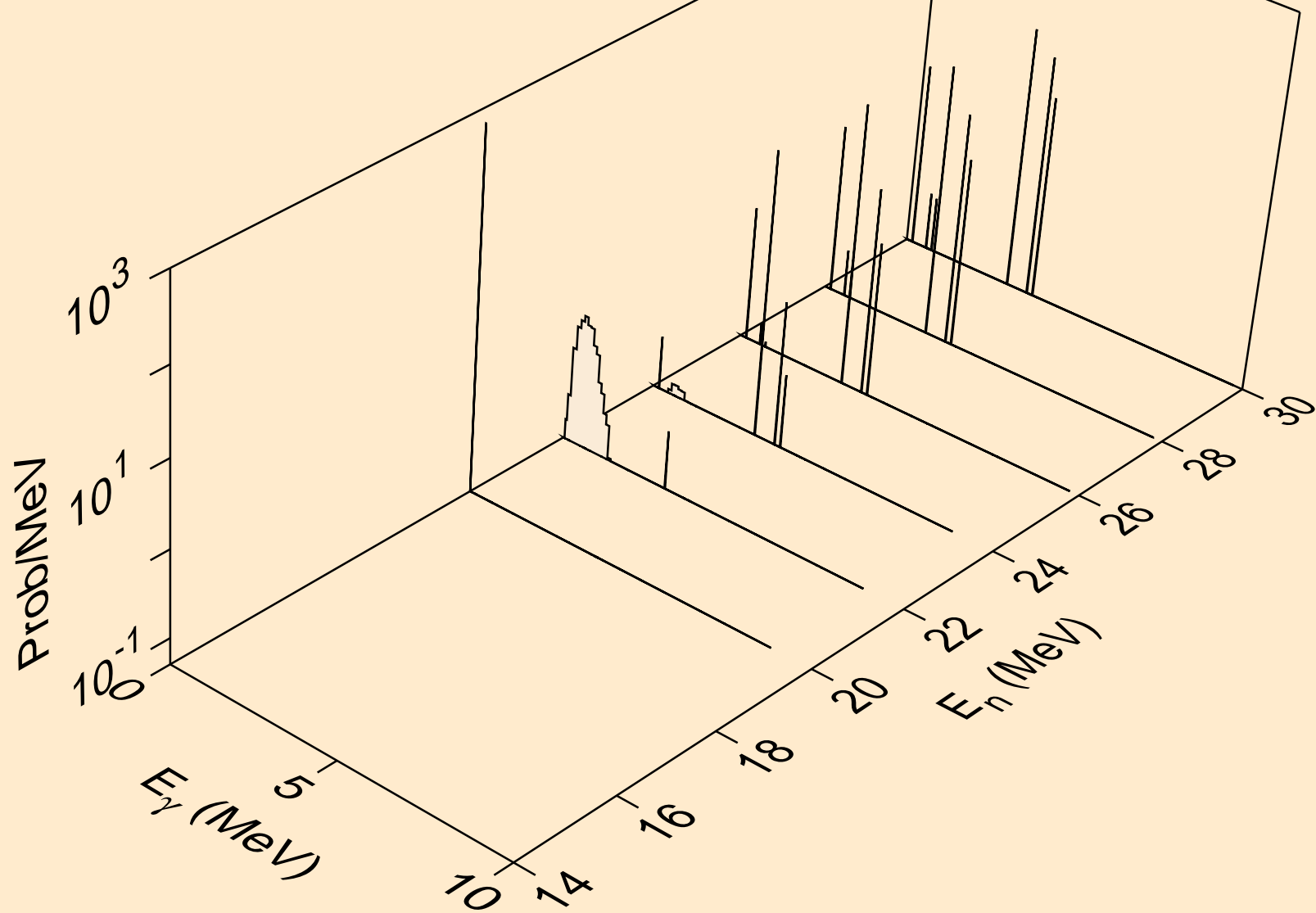
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Photon emission for (n,n\*)he3



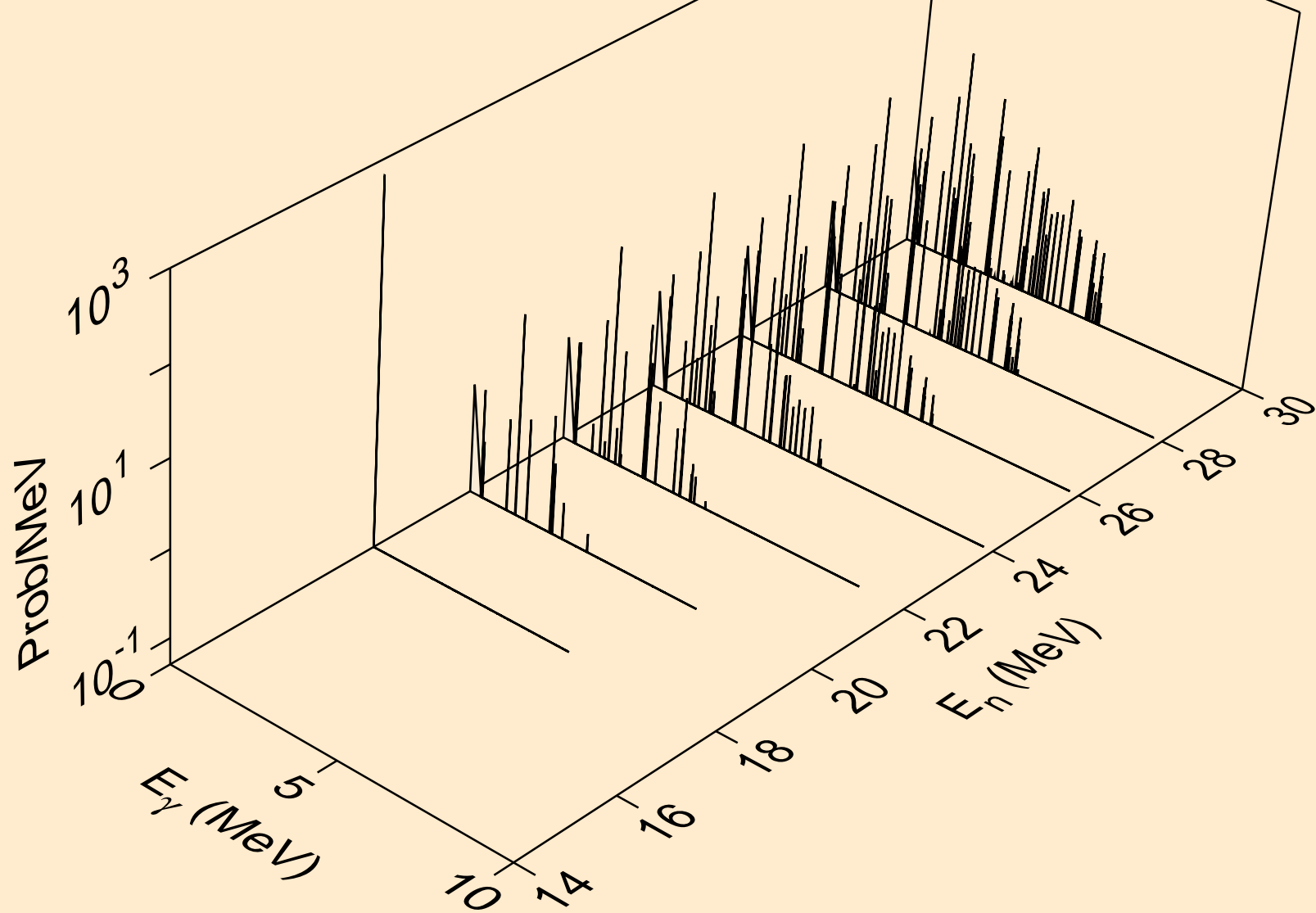
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Photon emission for (n,n\*)d2a



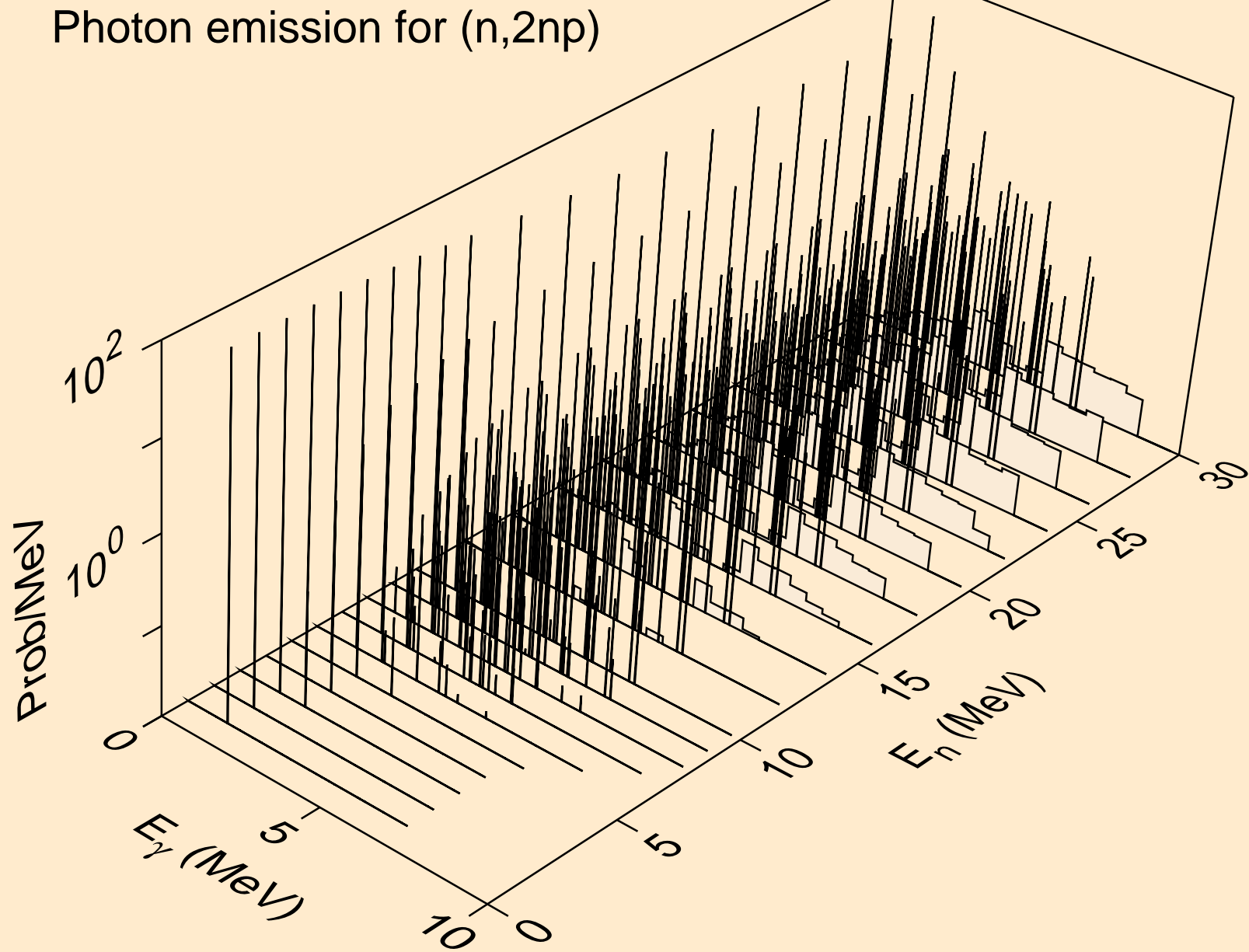
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Photon emission for (n,n\*)t2a



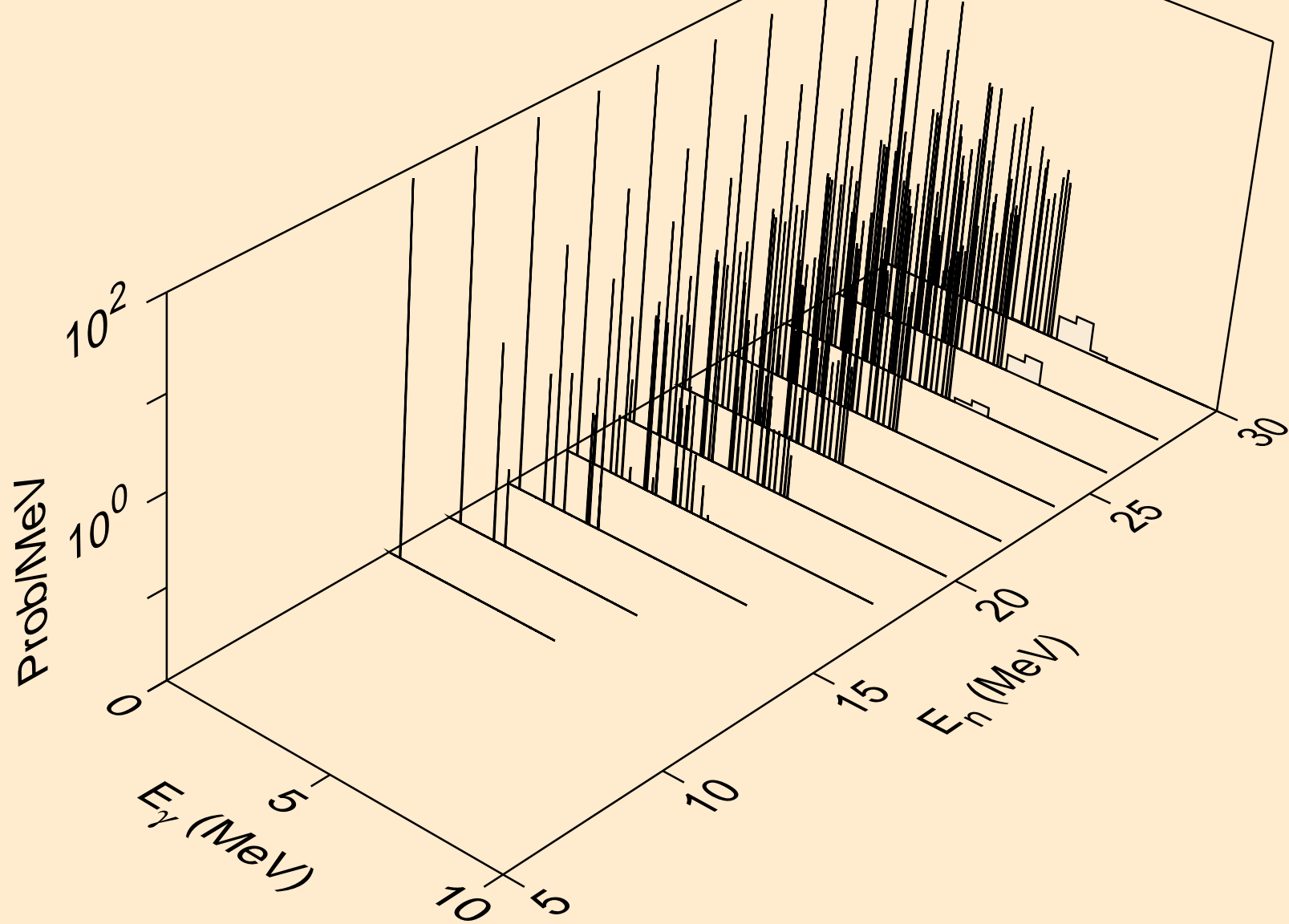
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Photon emission for (n,4n)



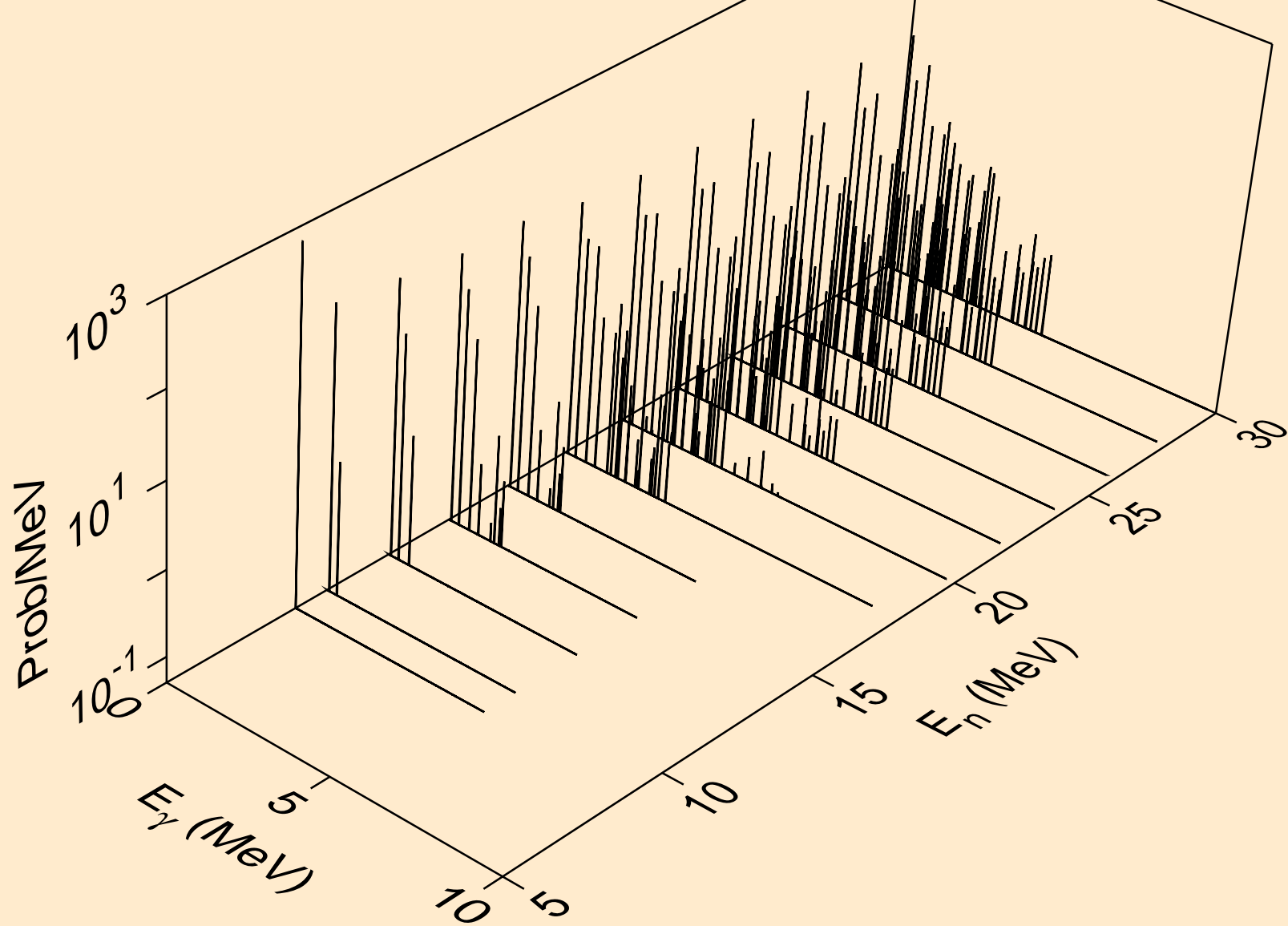
F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)

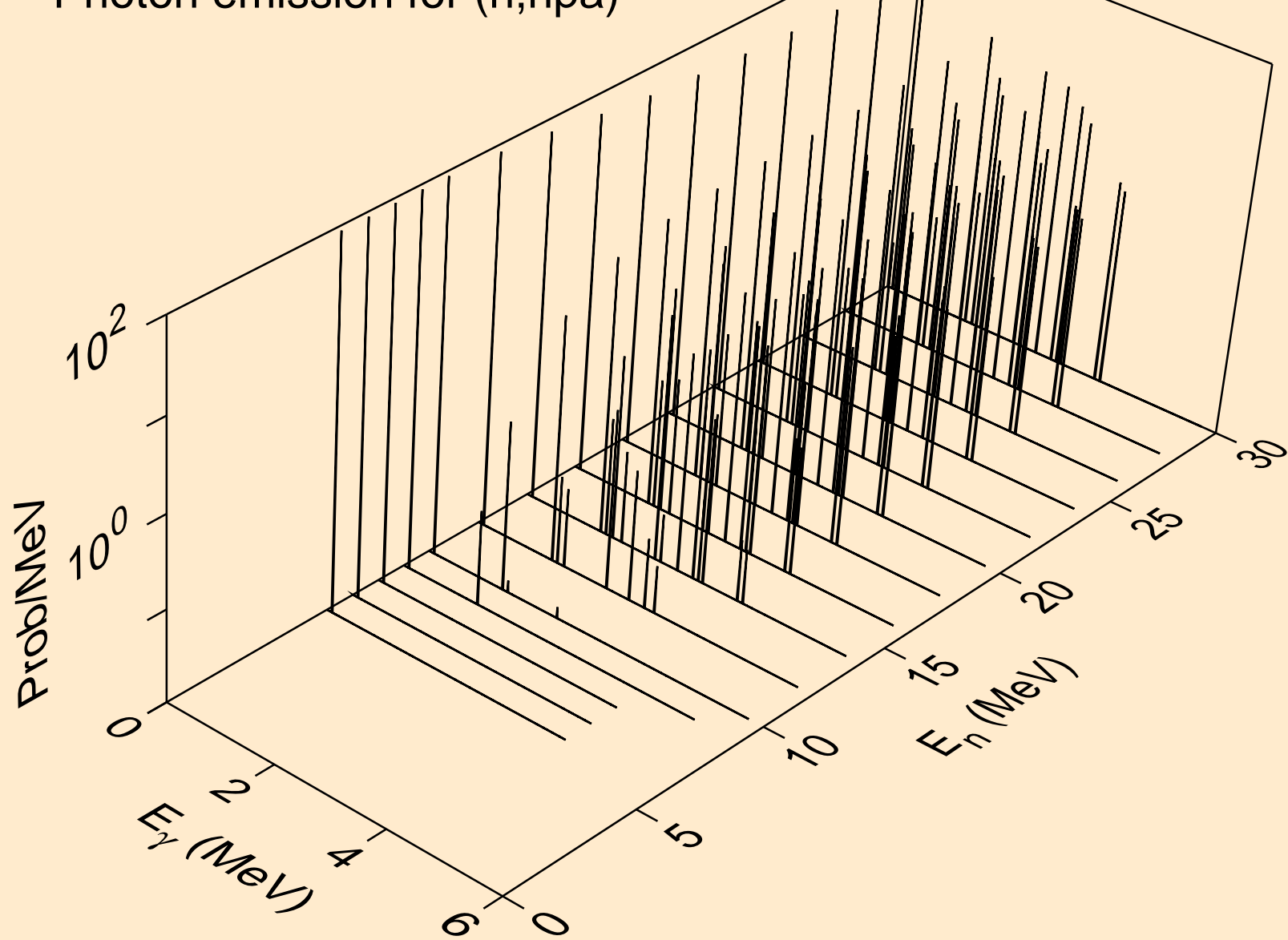


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Photon emission for (n,n2p)

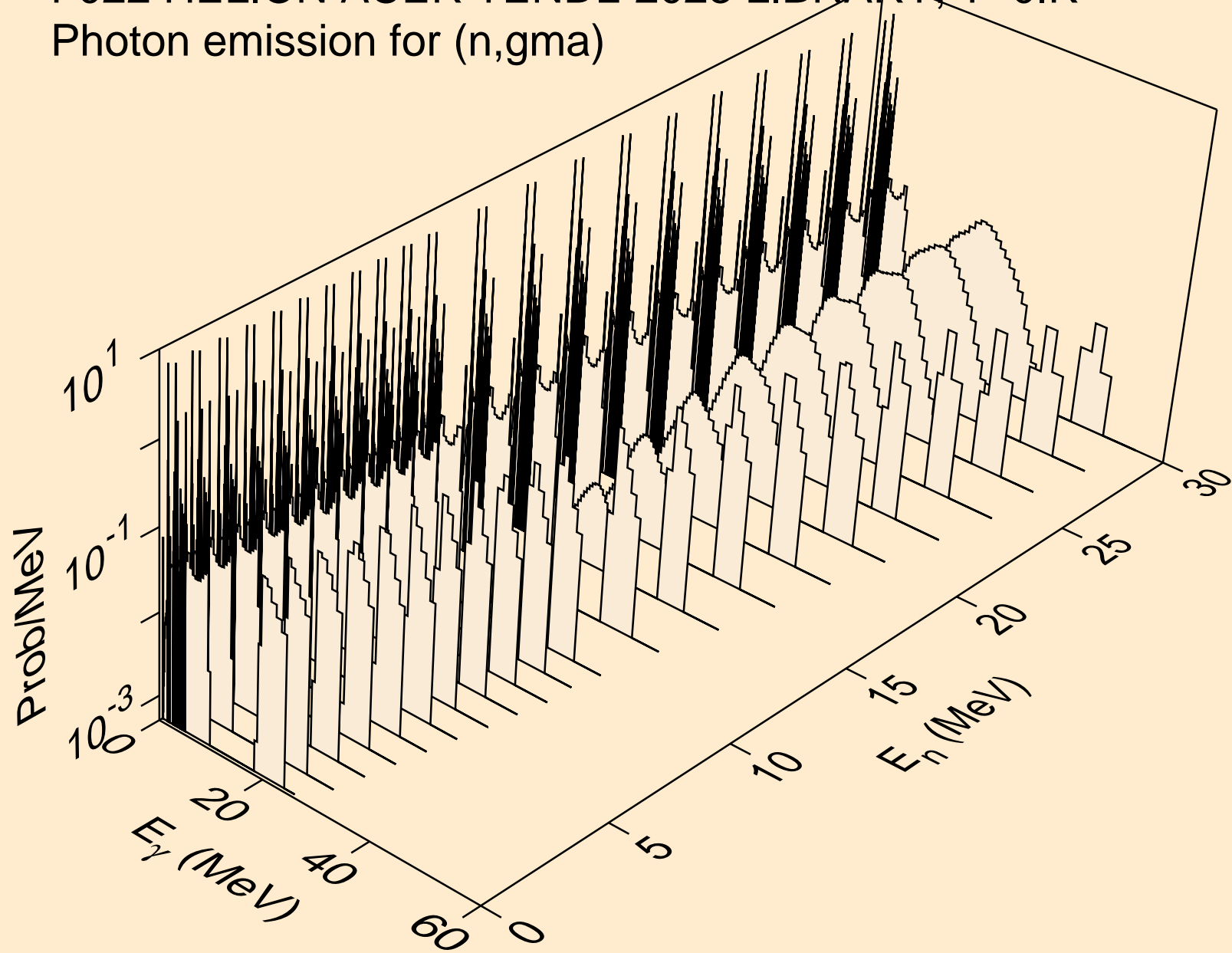




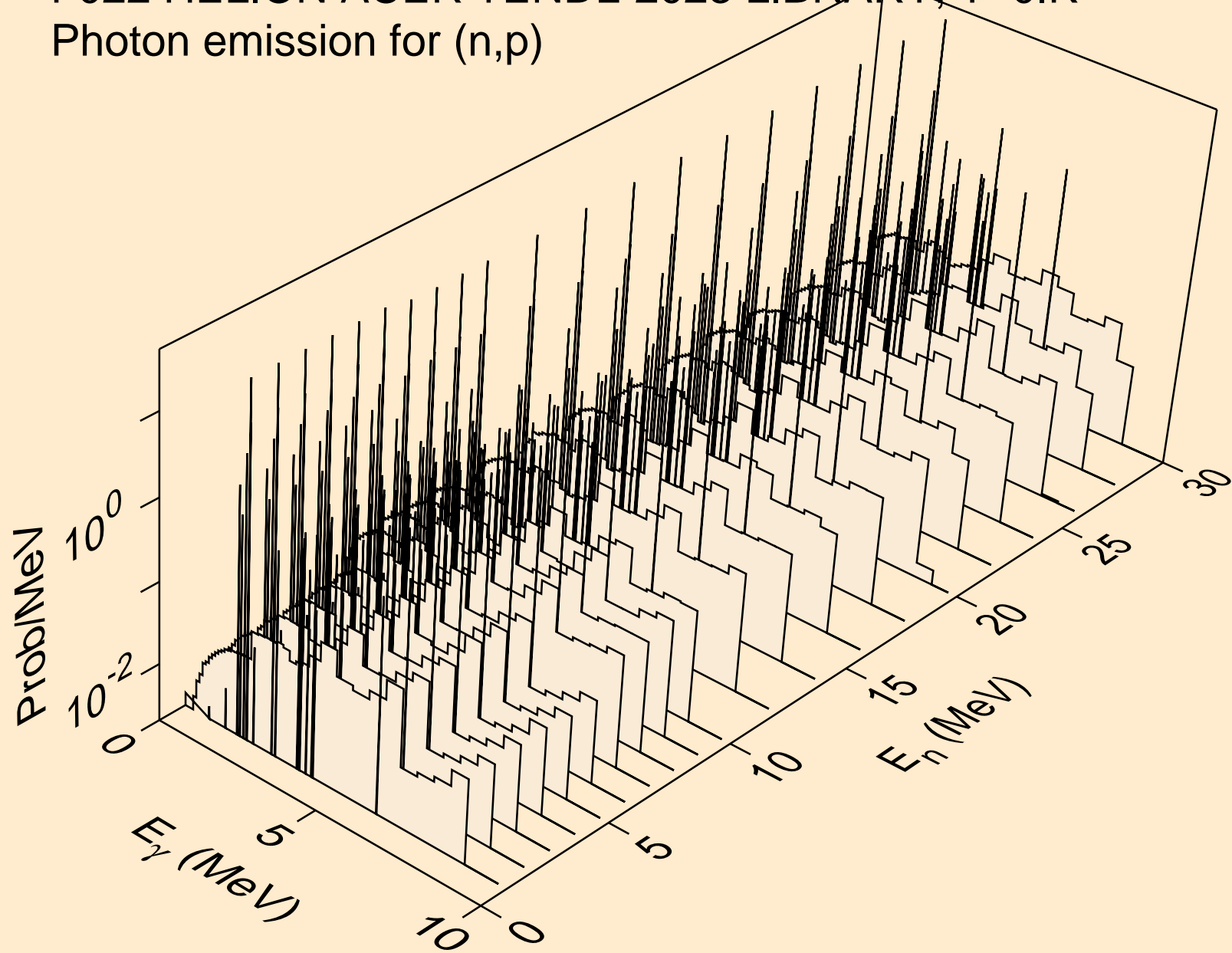
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Photon emission for (n,npa)



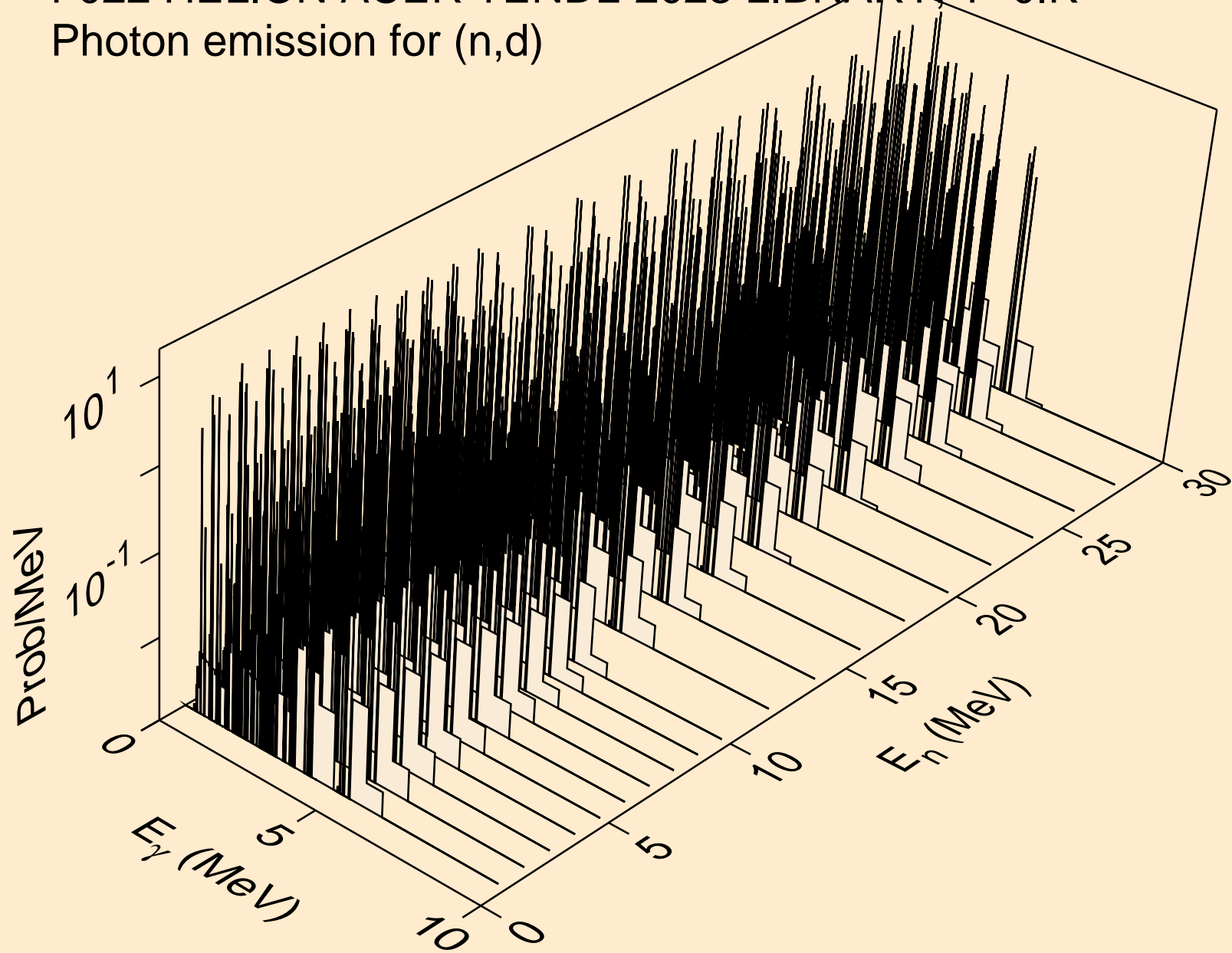
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Photon emission for (n,gma)



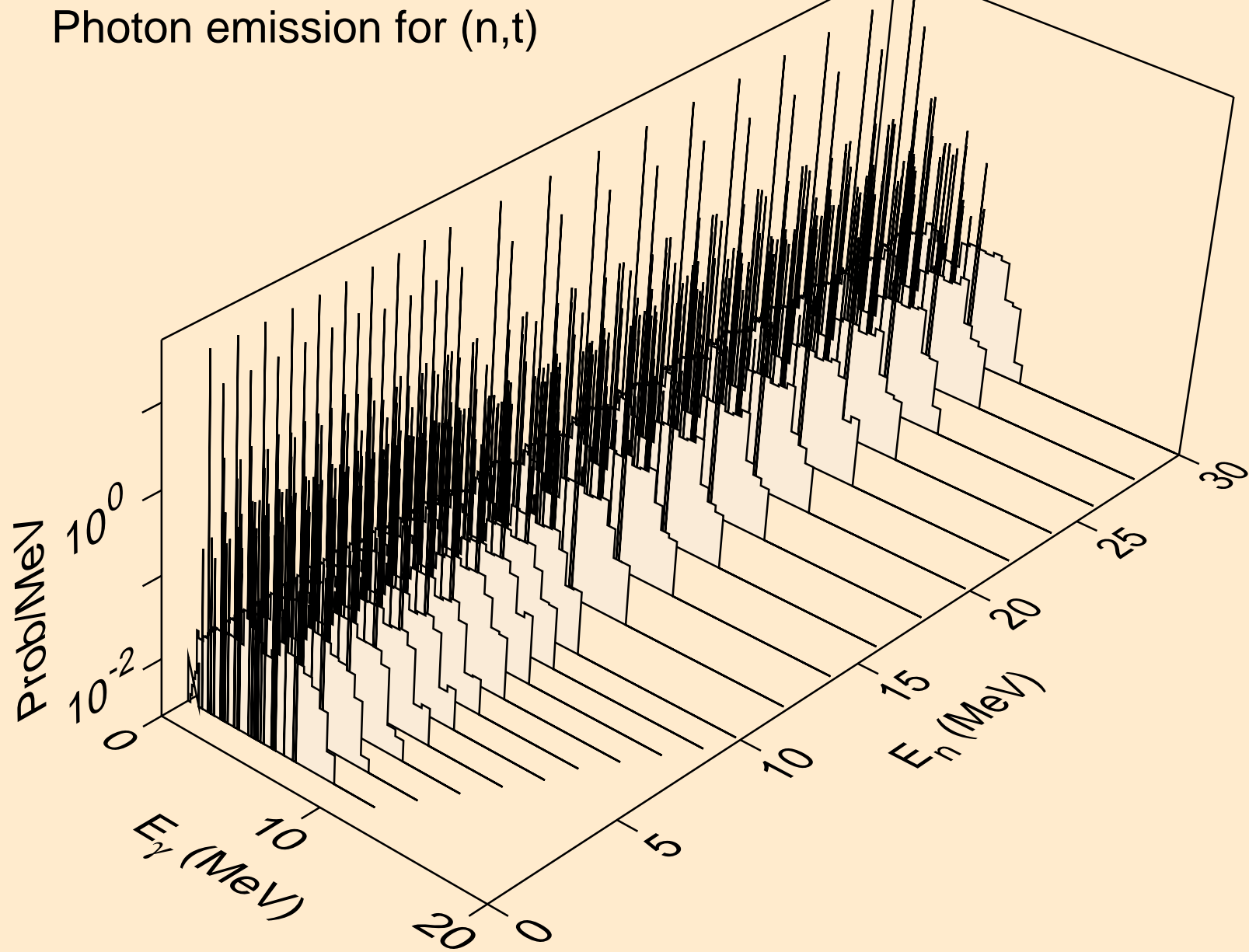
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Photon emission for (n,p)



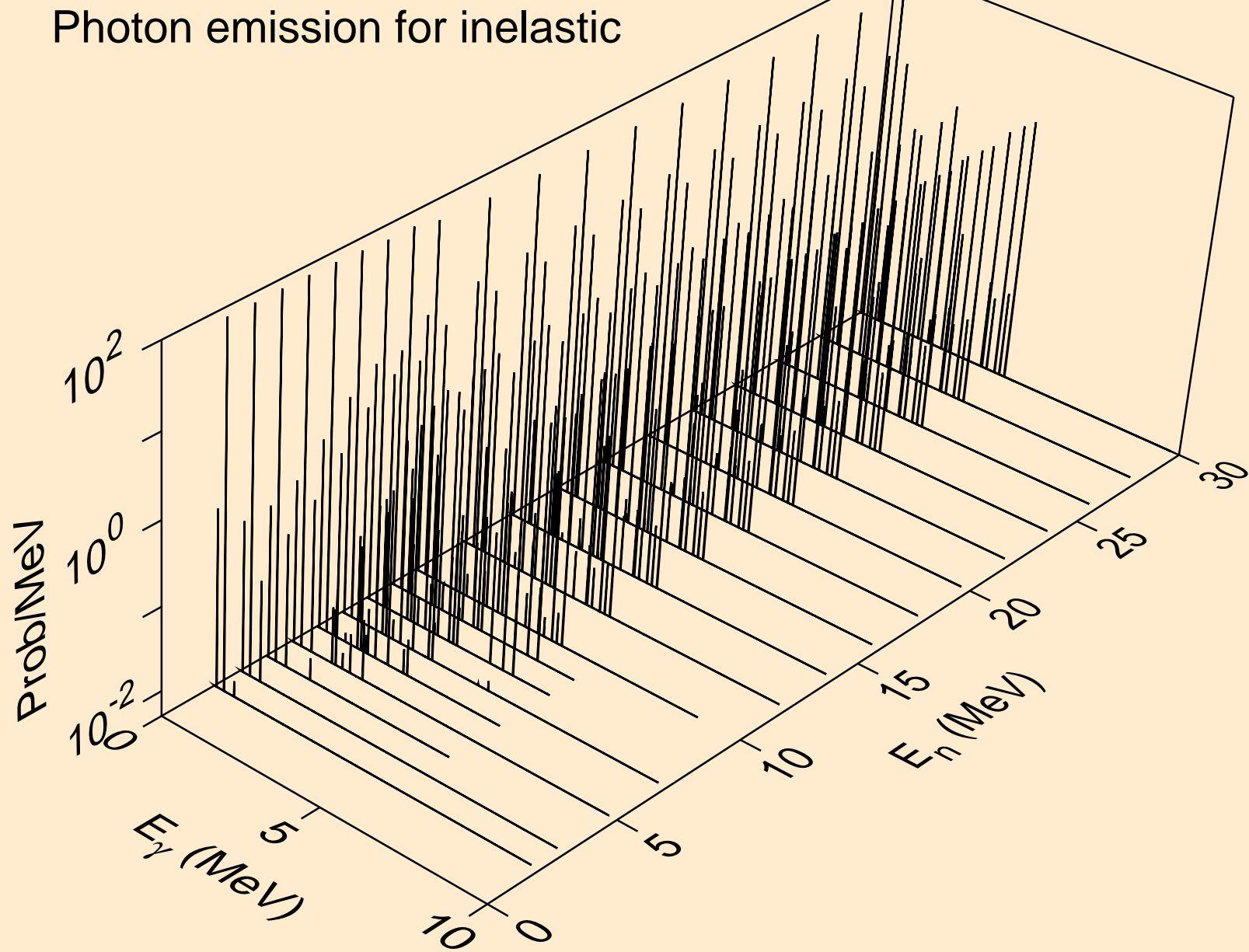
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Photon emission for (n,d)



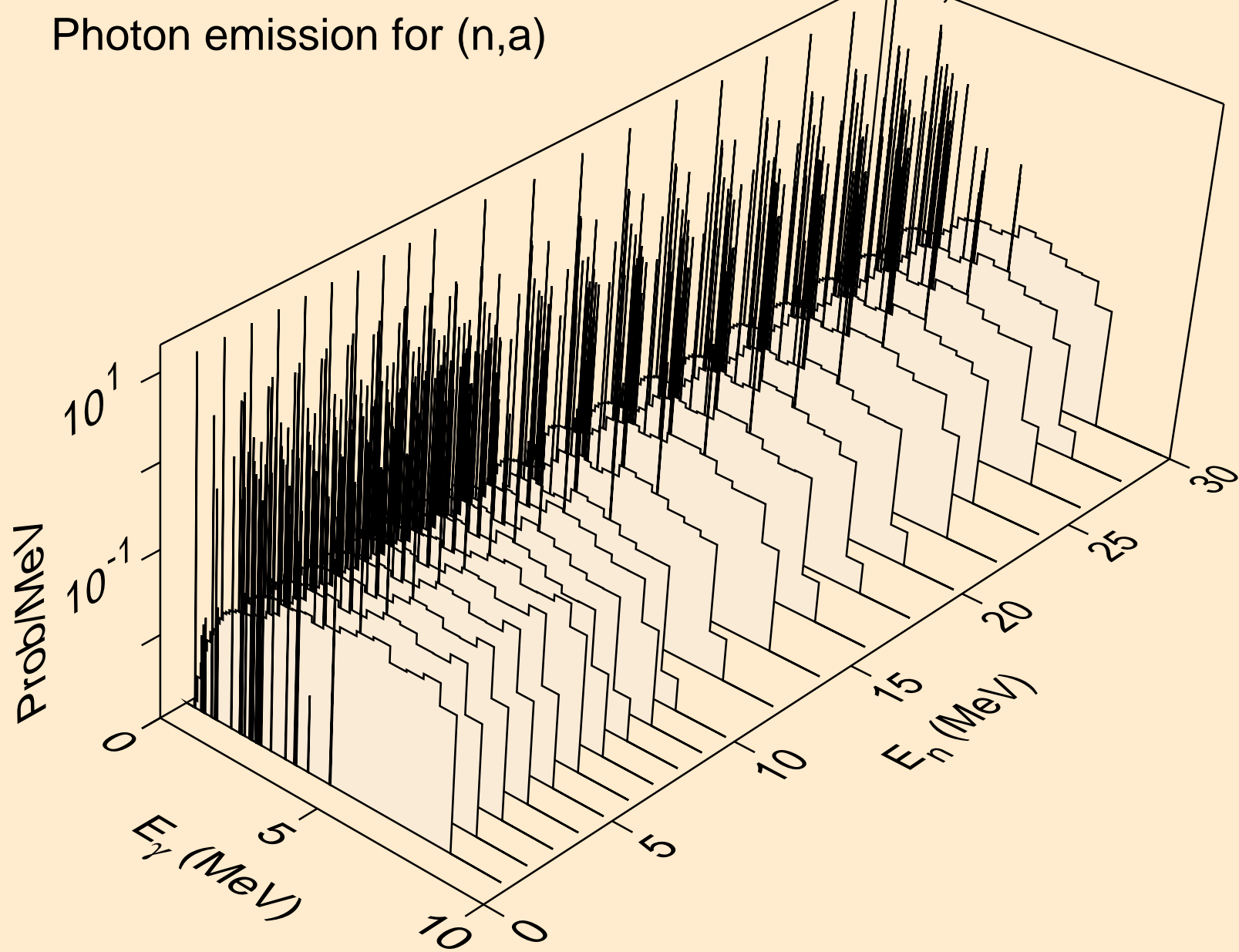
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Photon emission for (n,t)



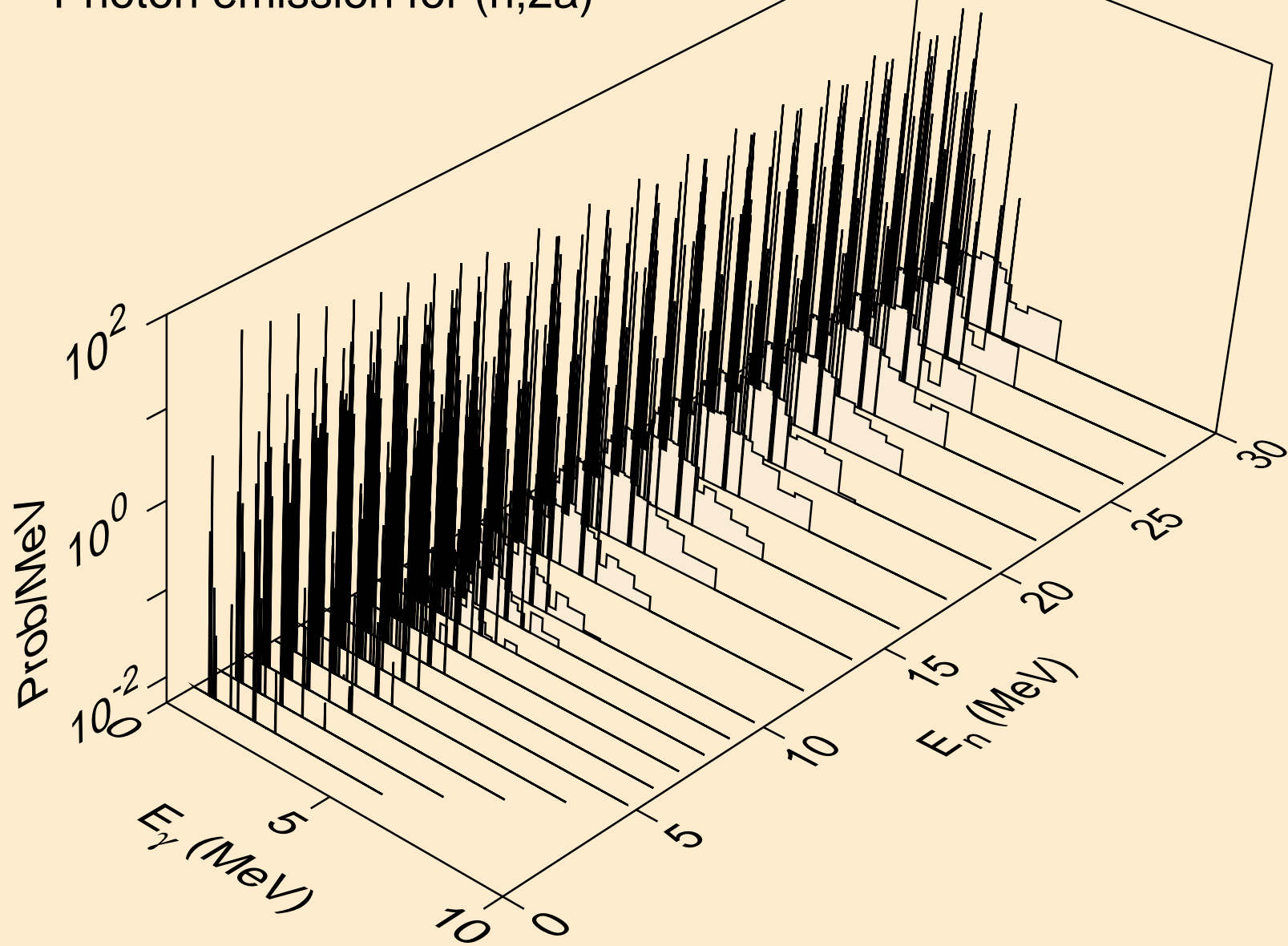
F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

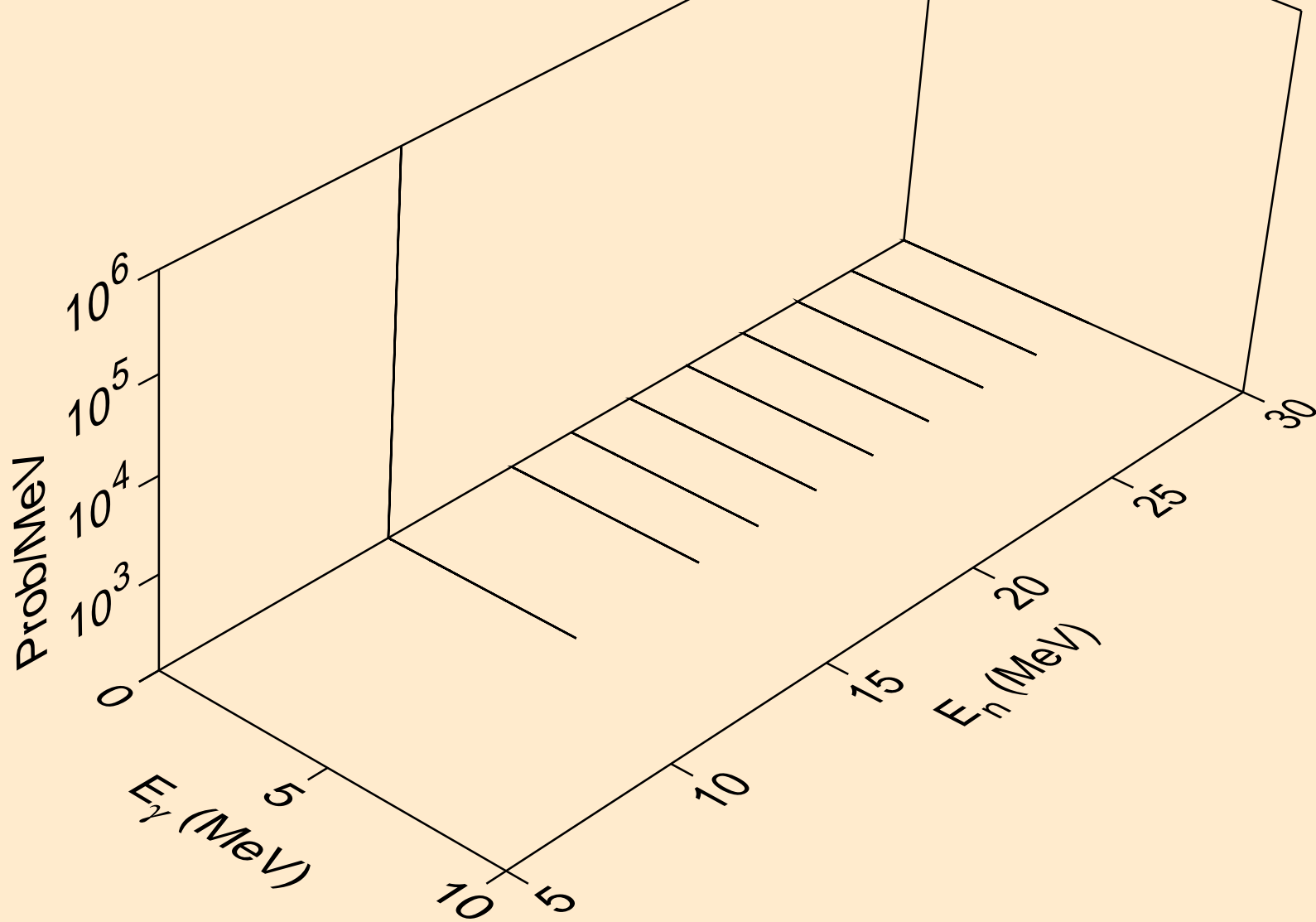


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Photon emission for (n,2a)

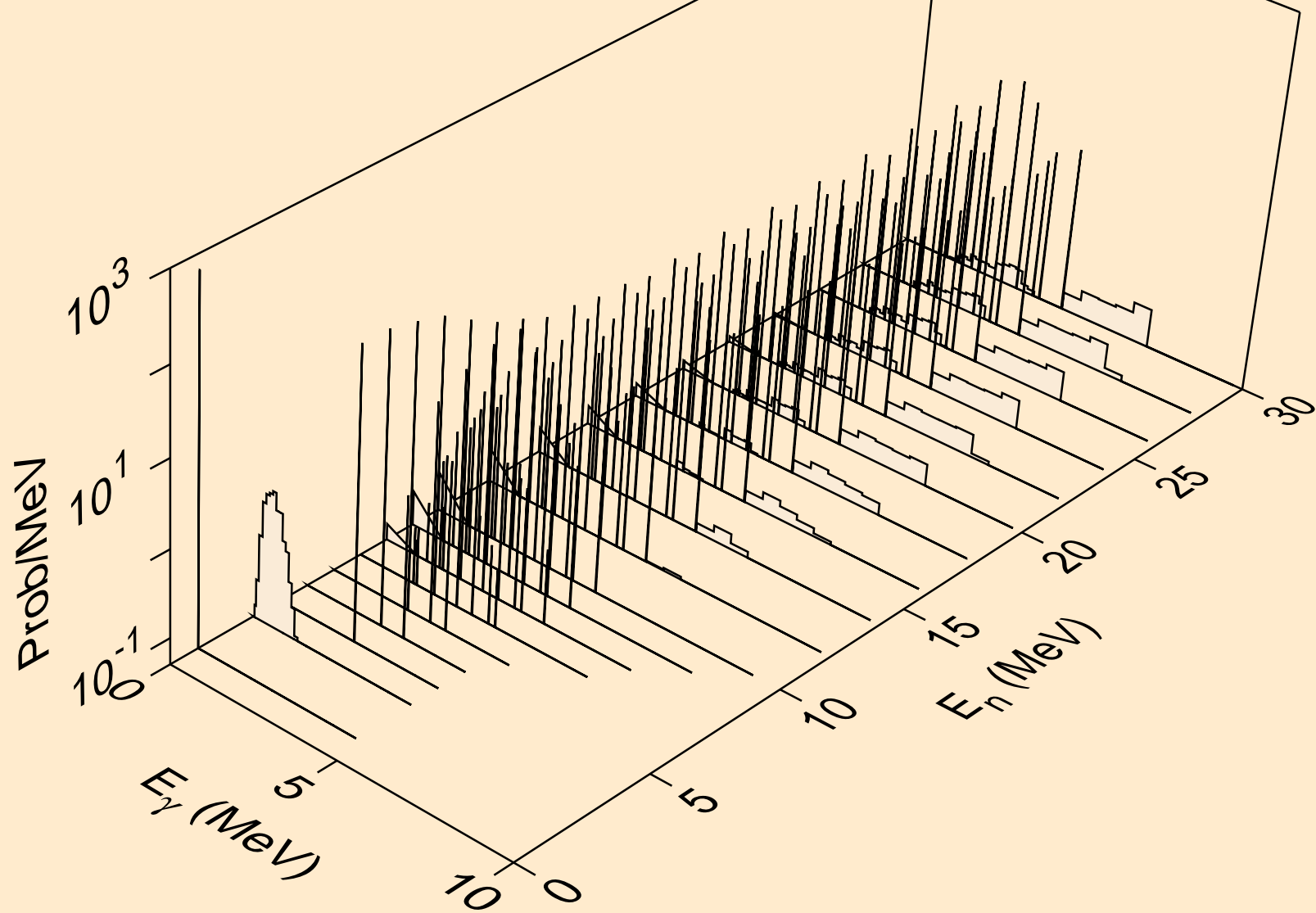




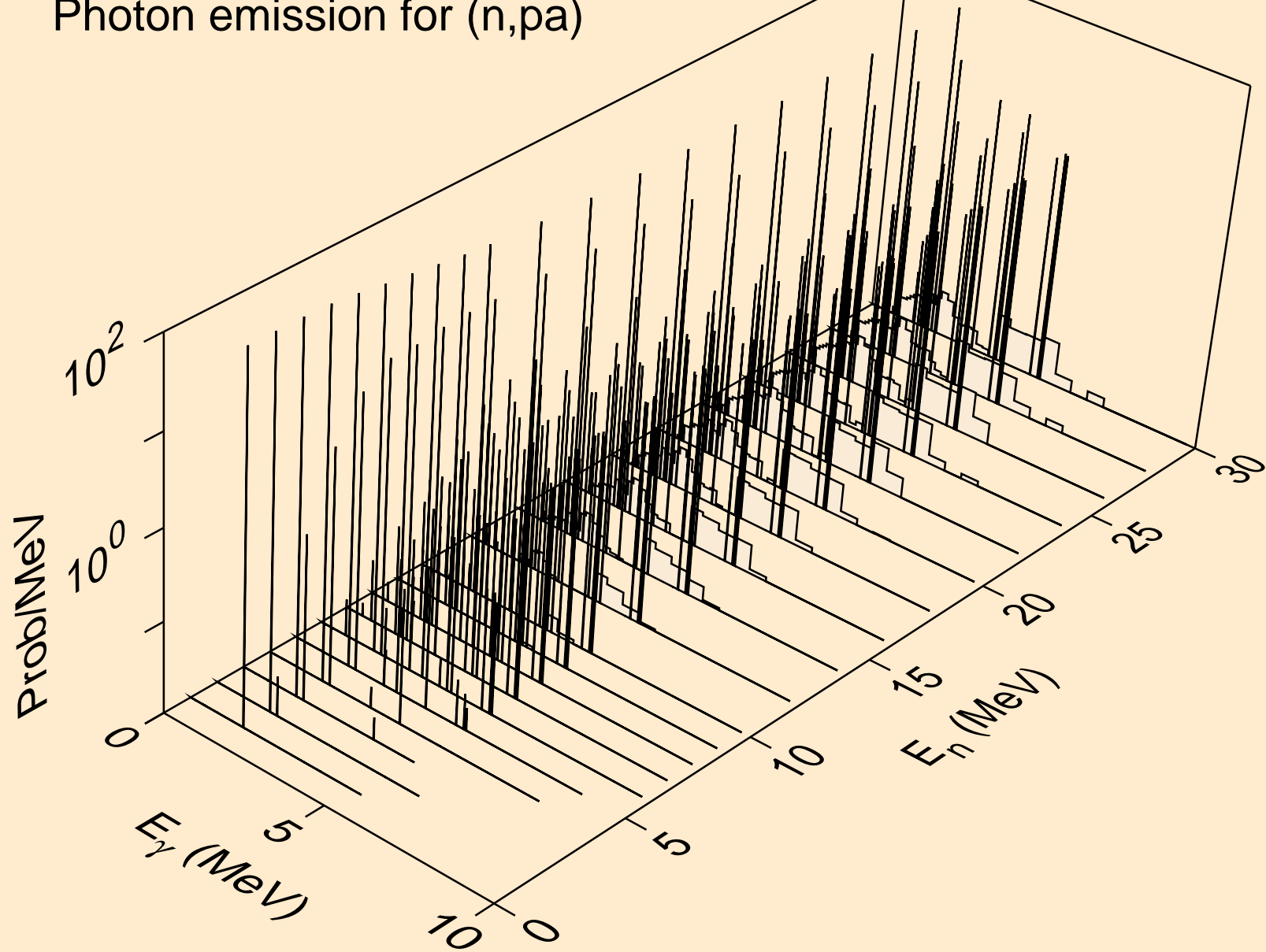
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Photon emission for (n,3a)



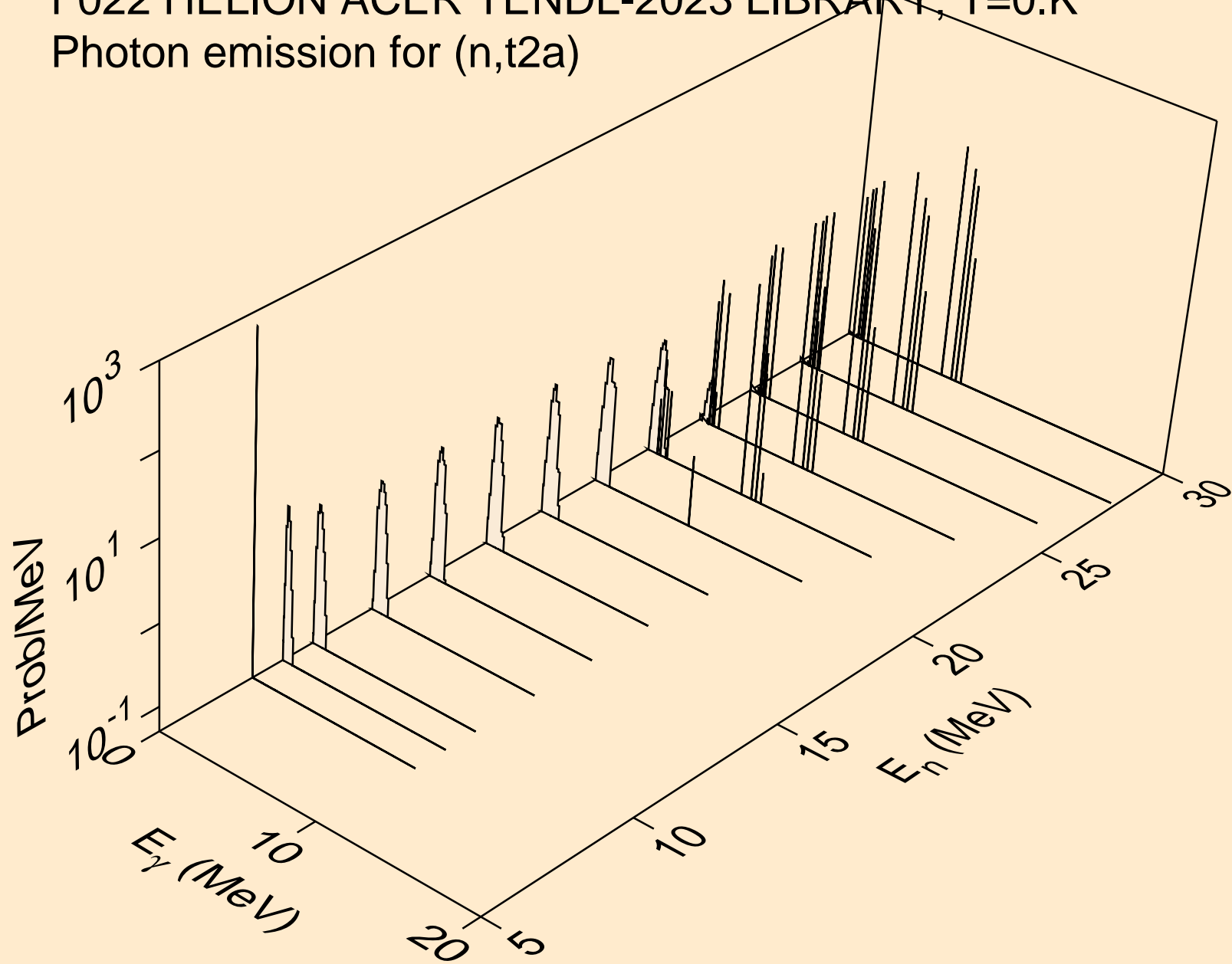
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Photon emission for (n,2p)



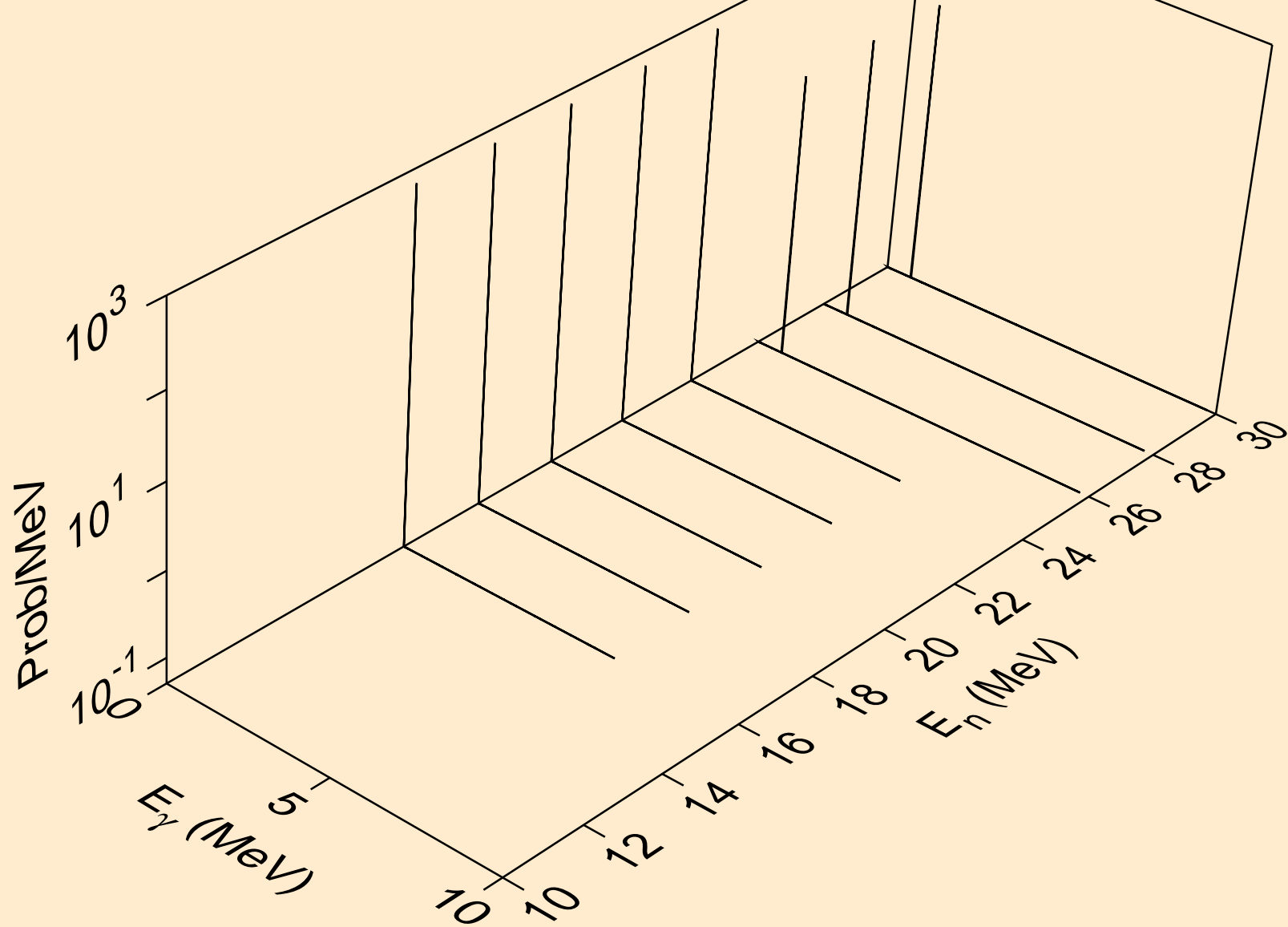
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Photon emission for (n,pa)



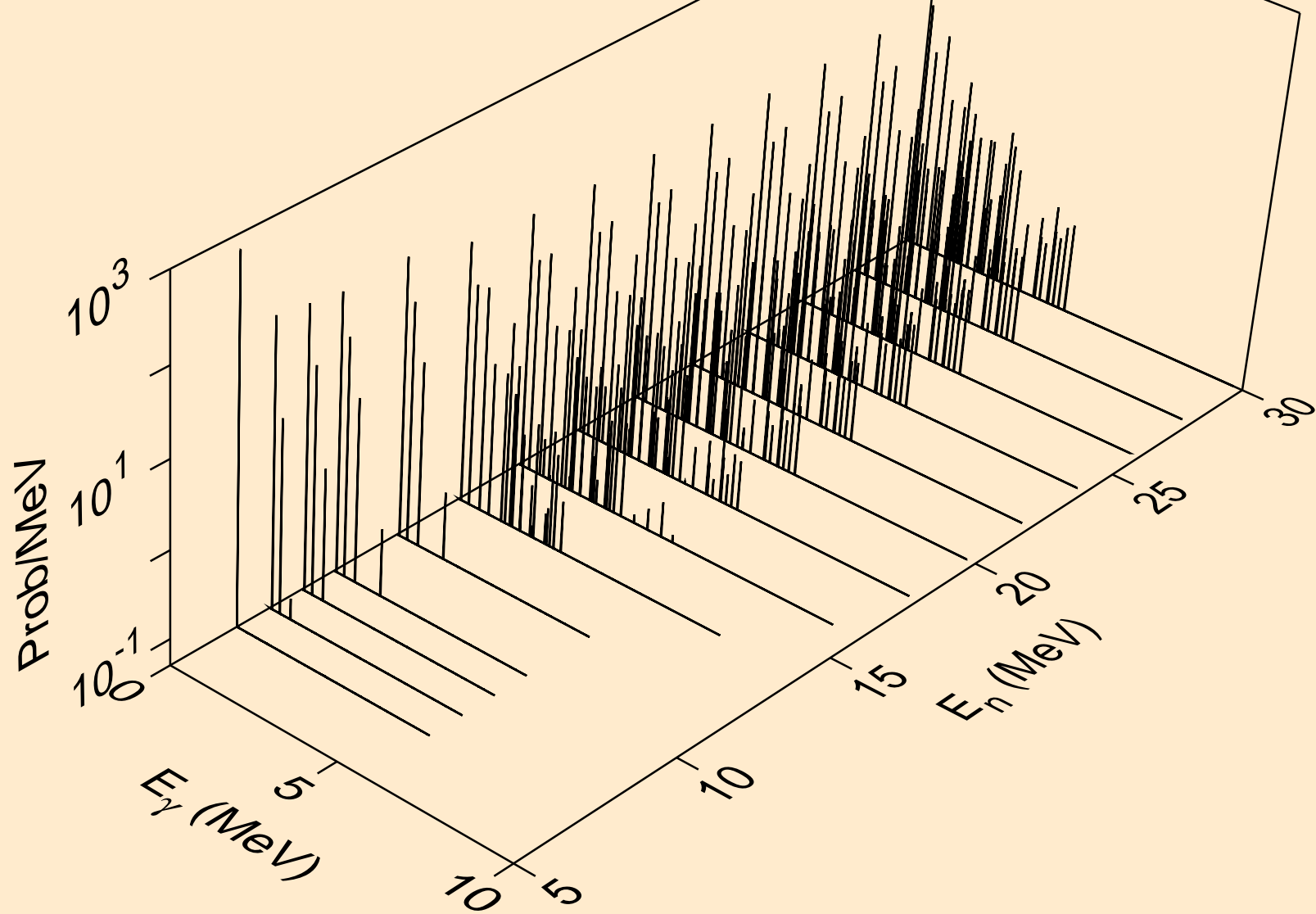
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Photon emission for (n,t2a)



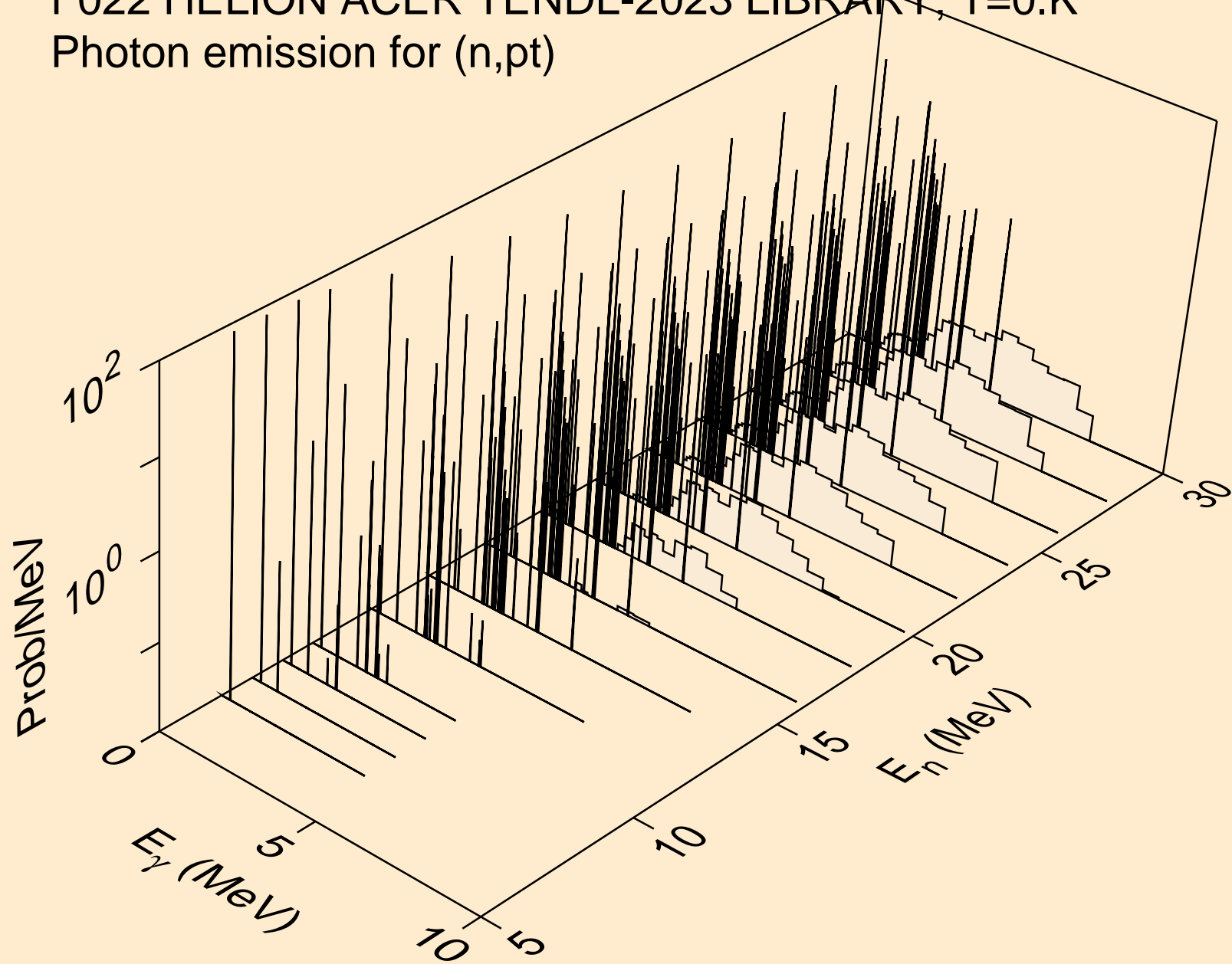
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Photon emission for (n,d2a)



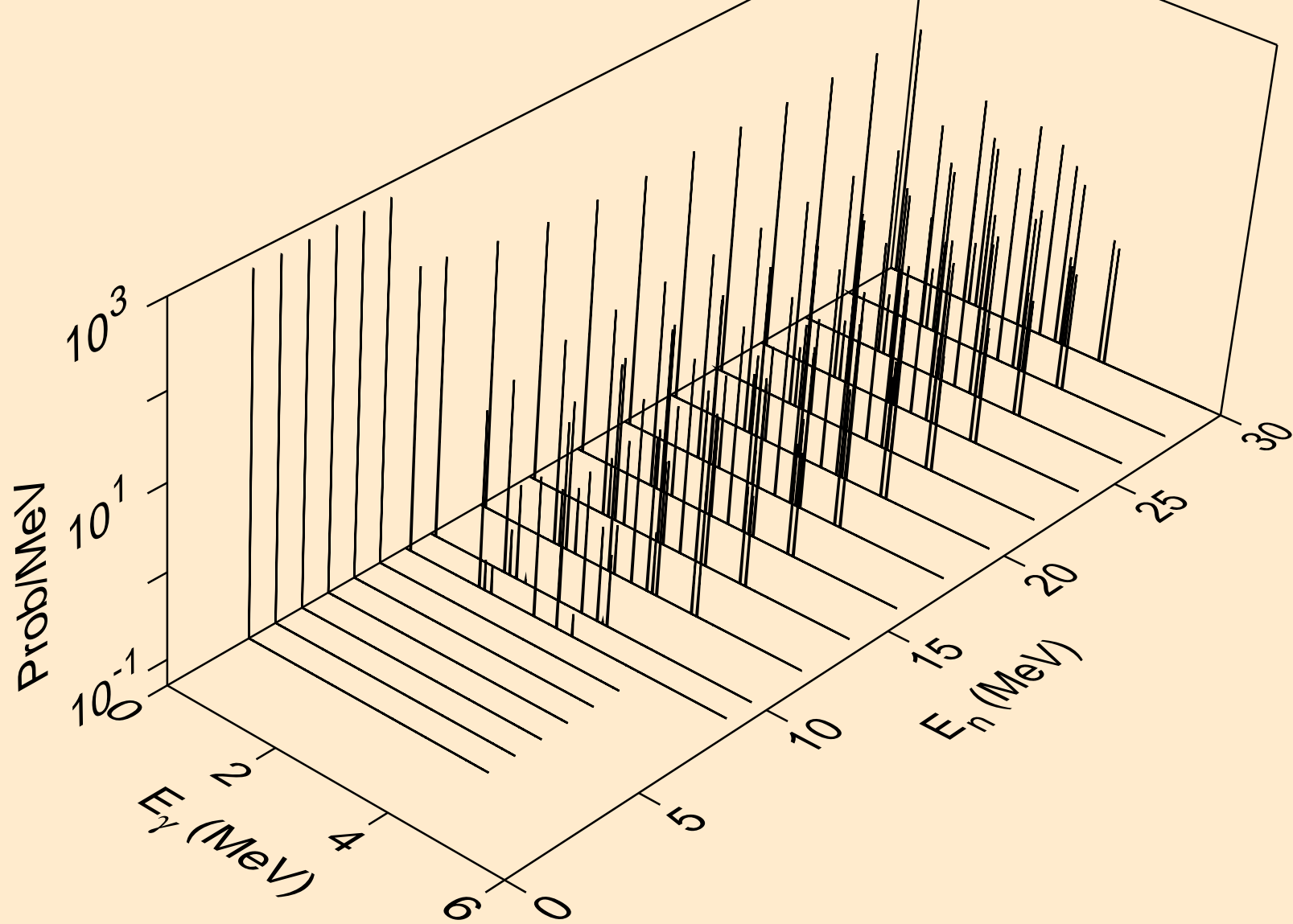
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Photon emission for (n,pd)



F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



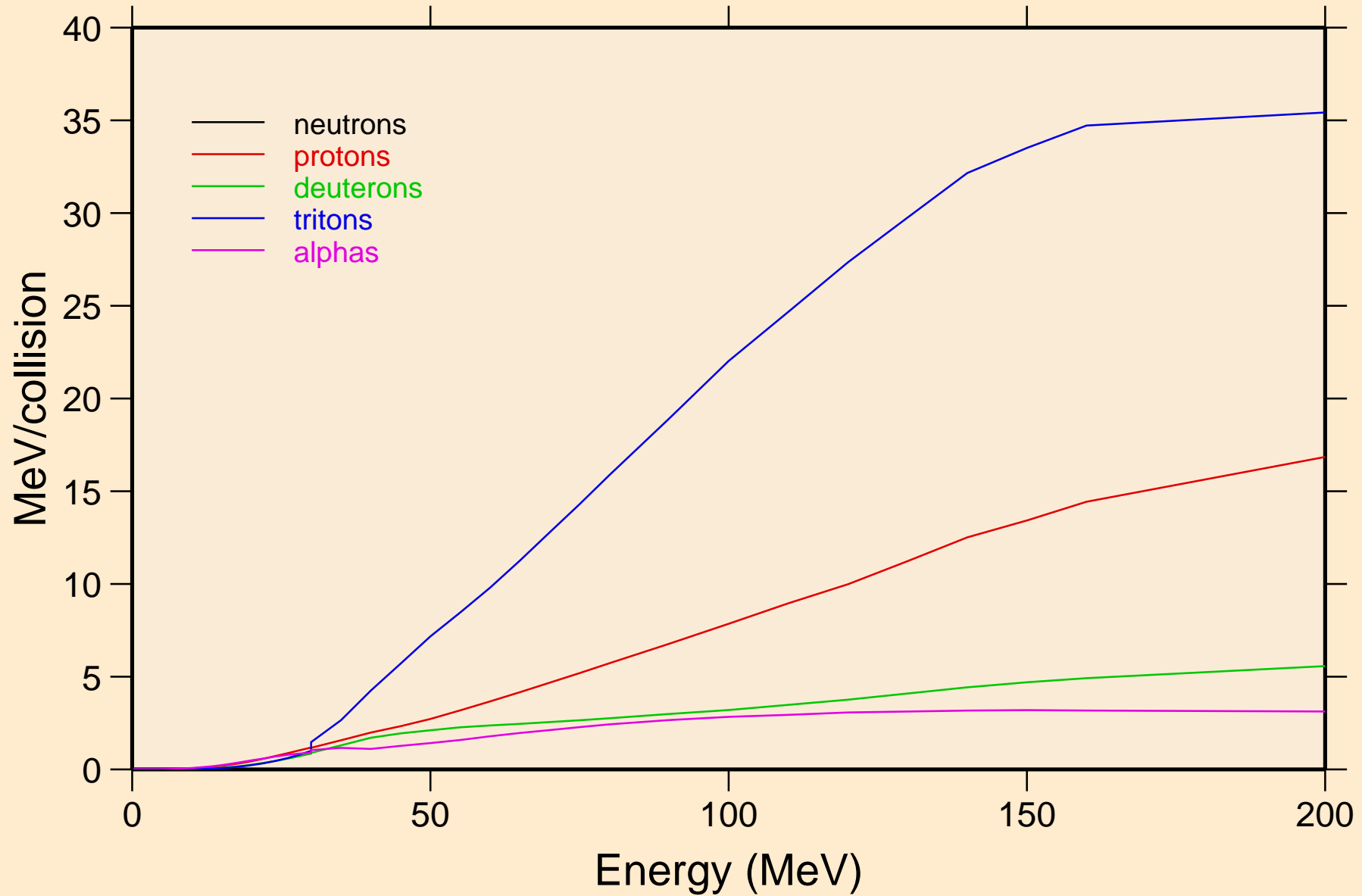
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Photon emission for (n,da)



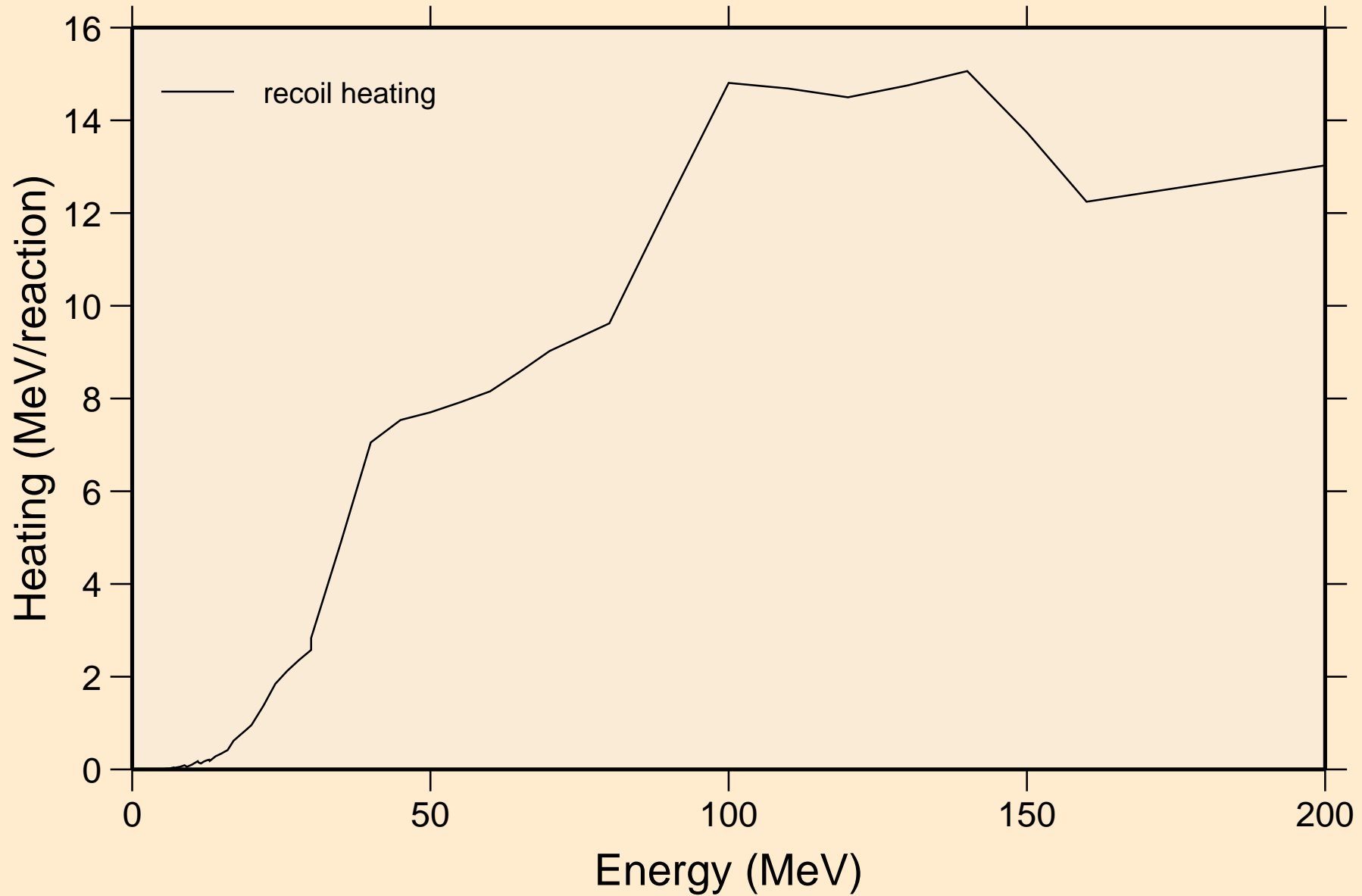


# F022 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

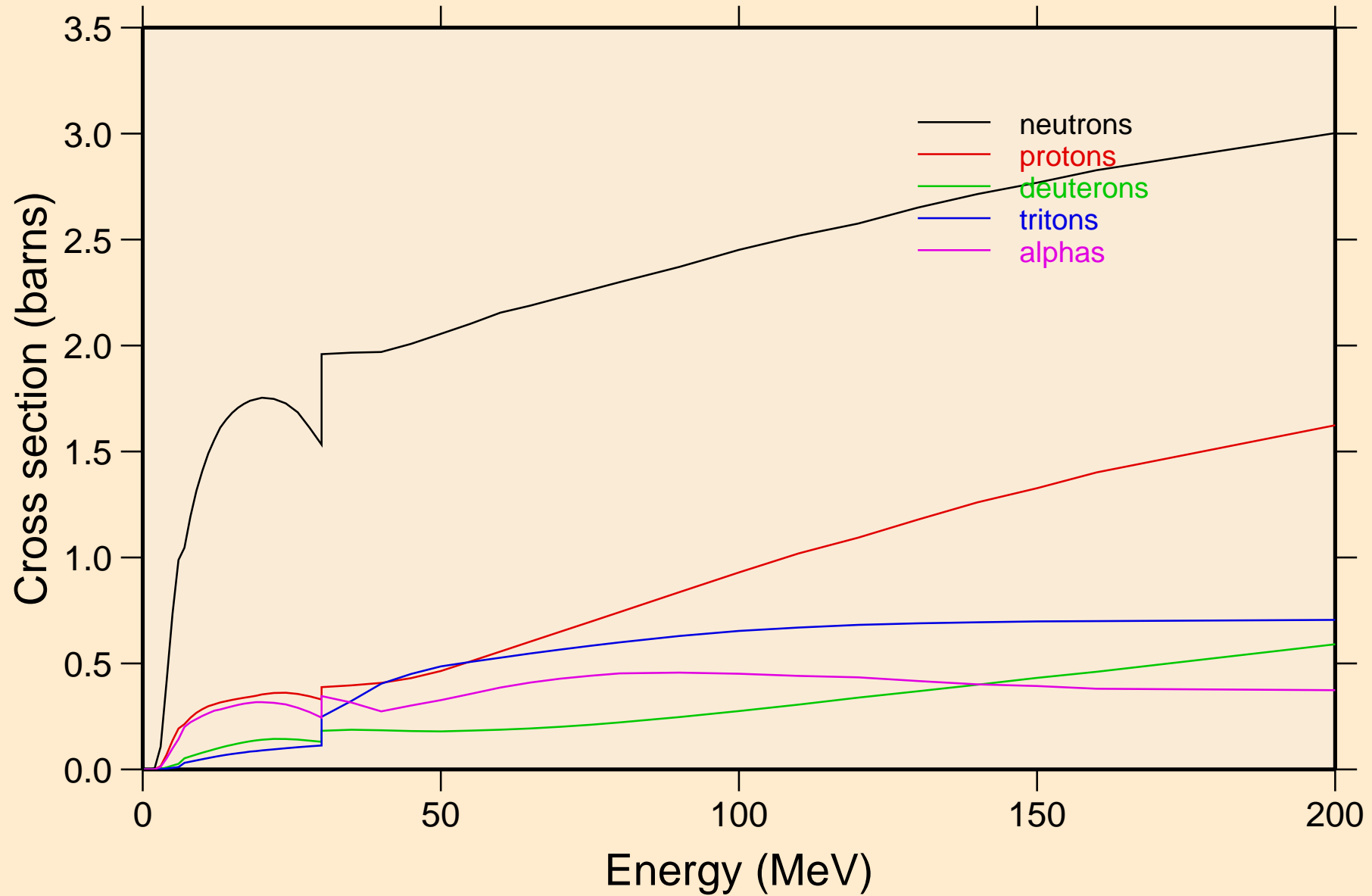


F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

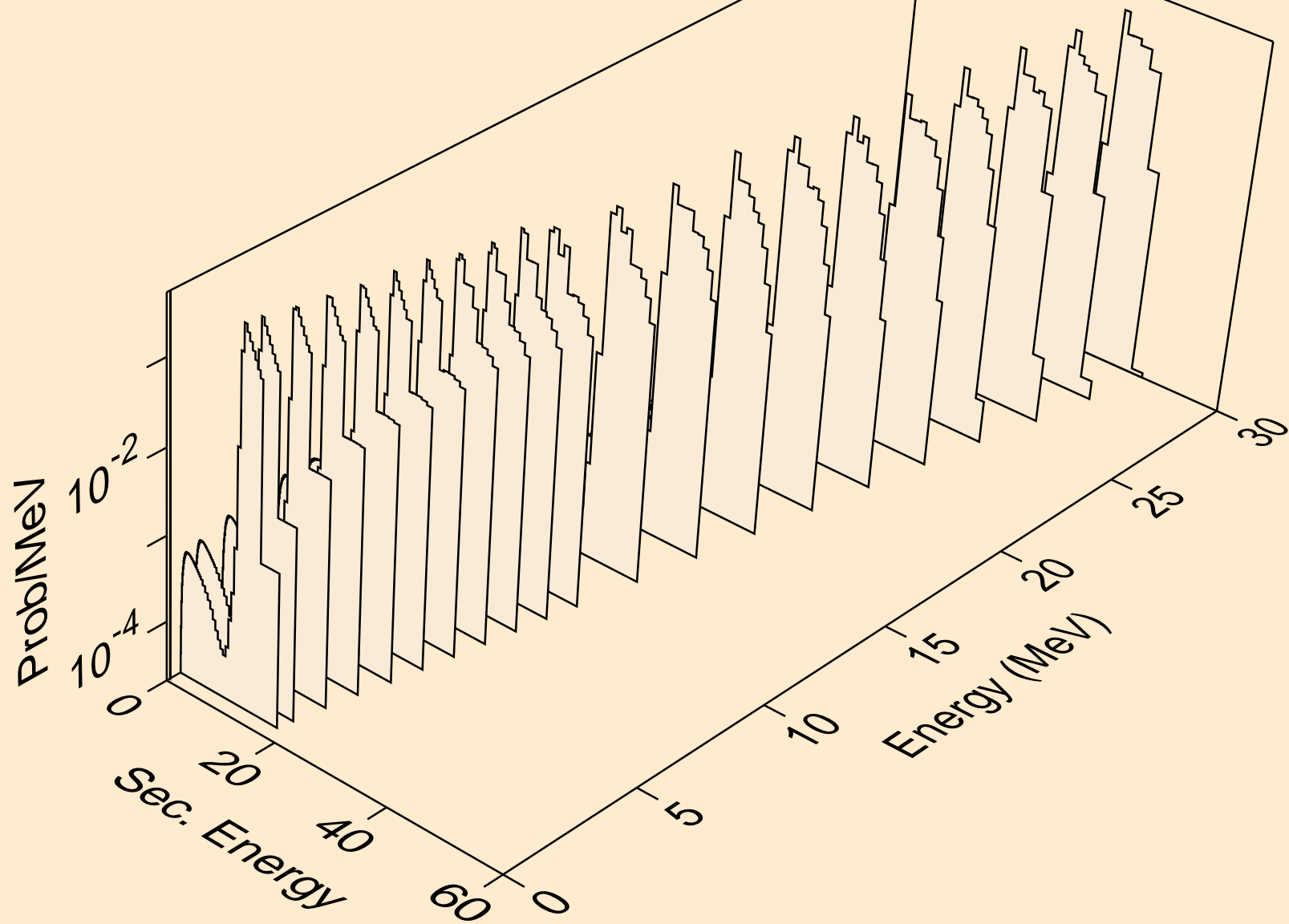


# F022 HELION ACER TENDL-2023 LIBRARY; T=0.K

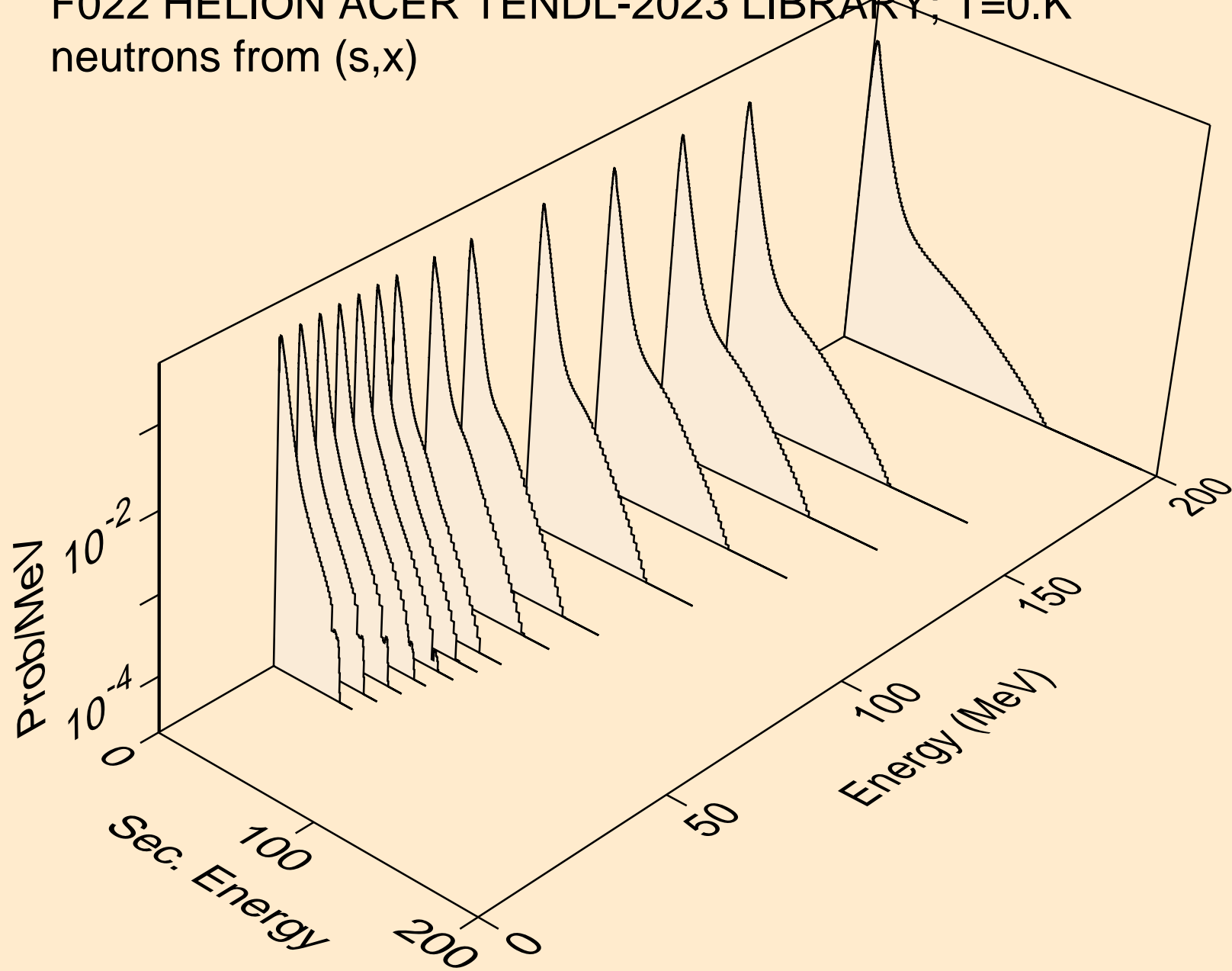
## Particle production cross sections



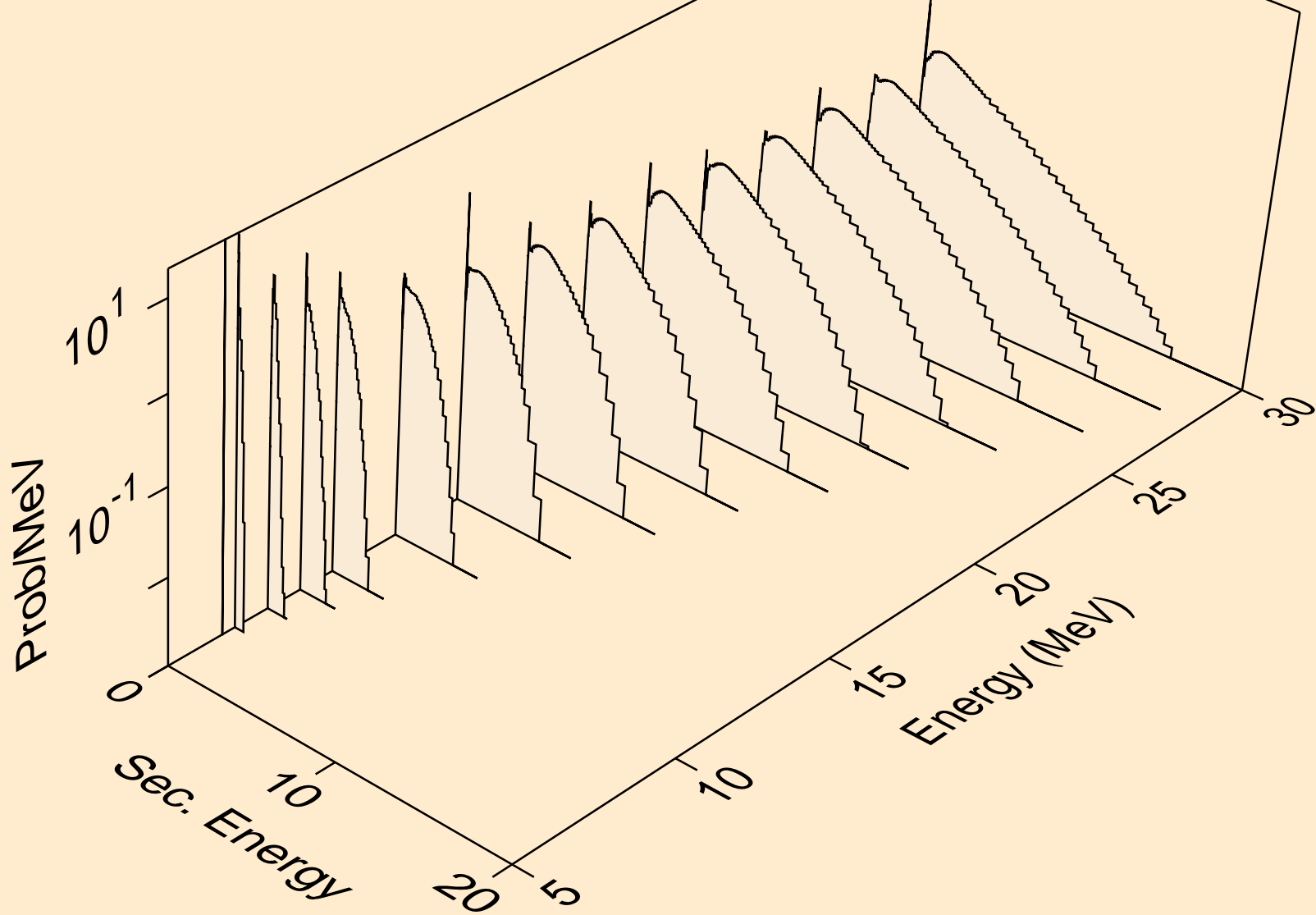
F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



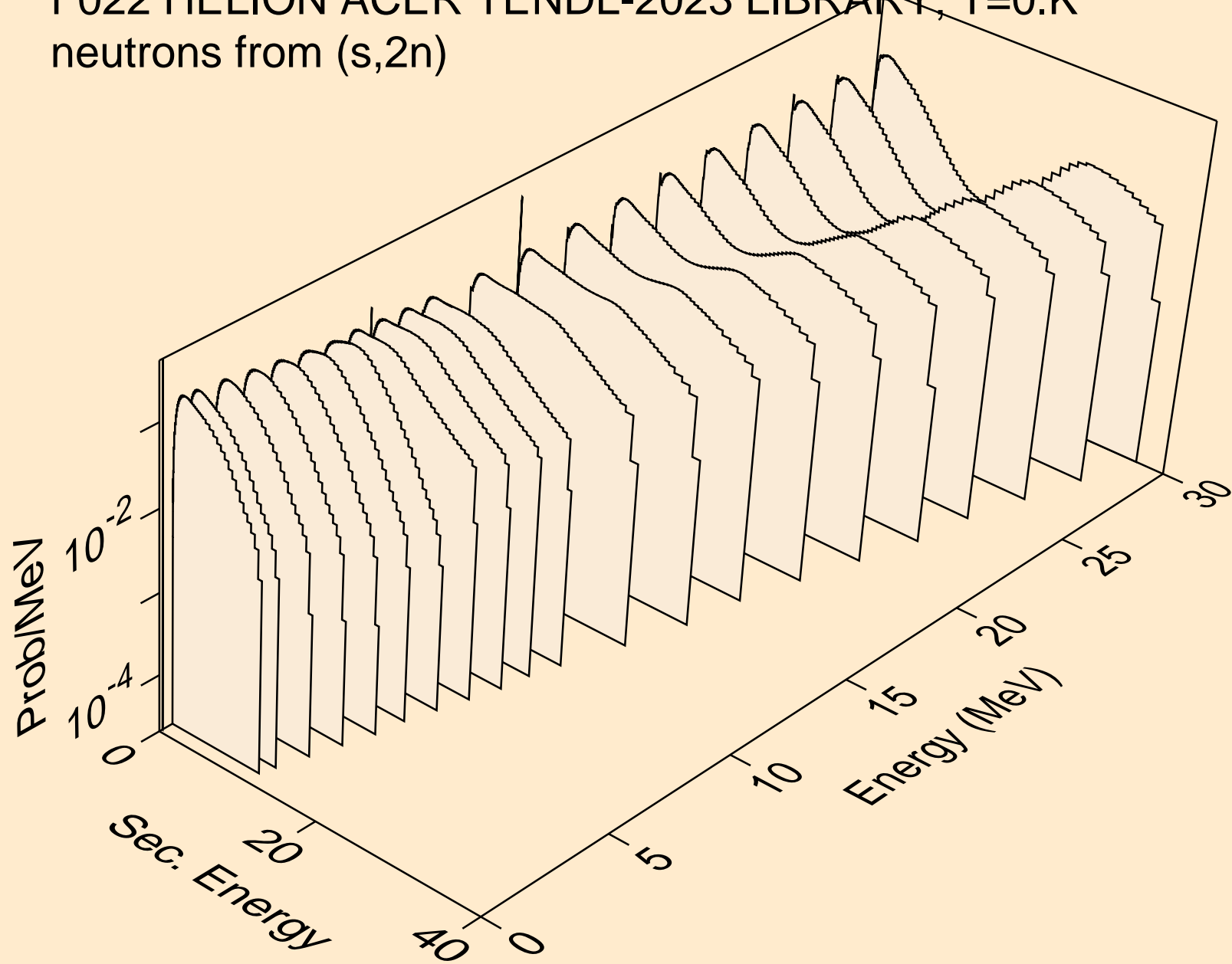
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neutrons from (s,x)



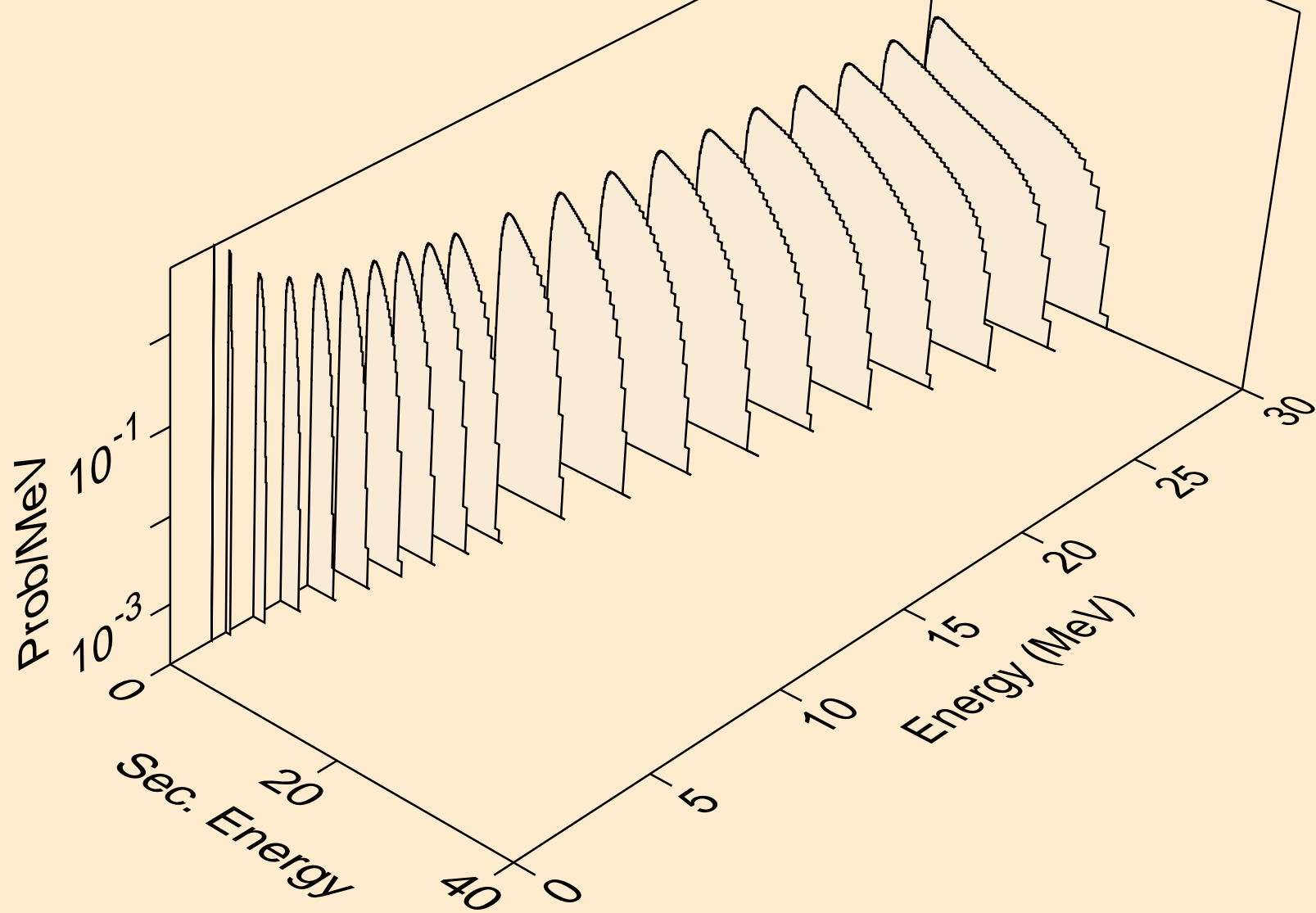
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neutrons from (s,2nd)



F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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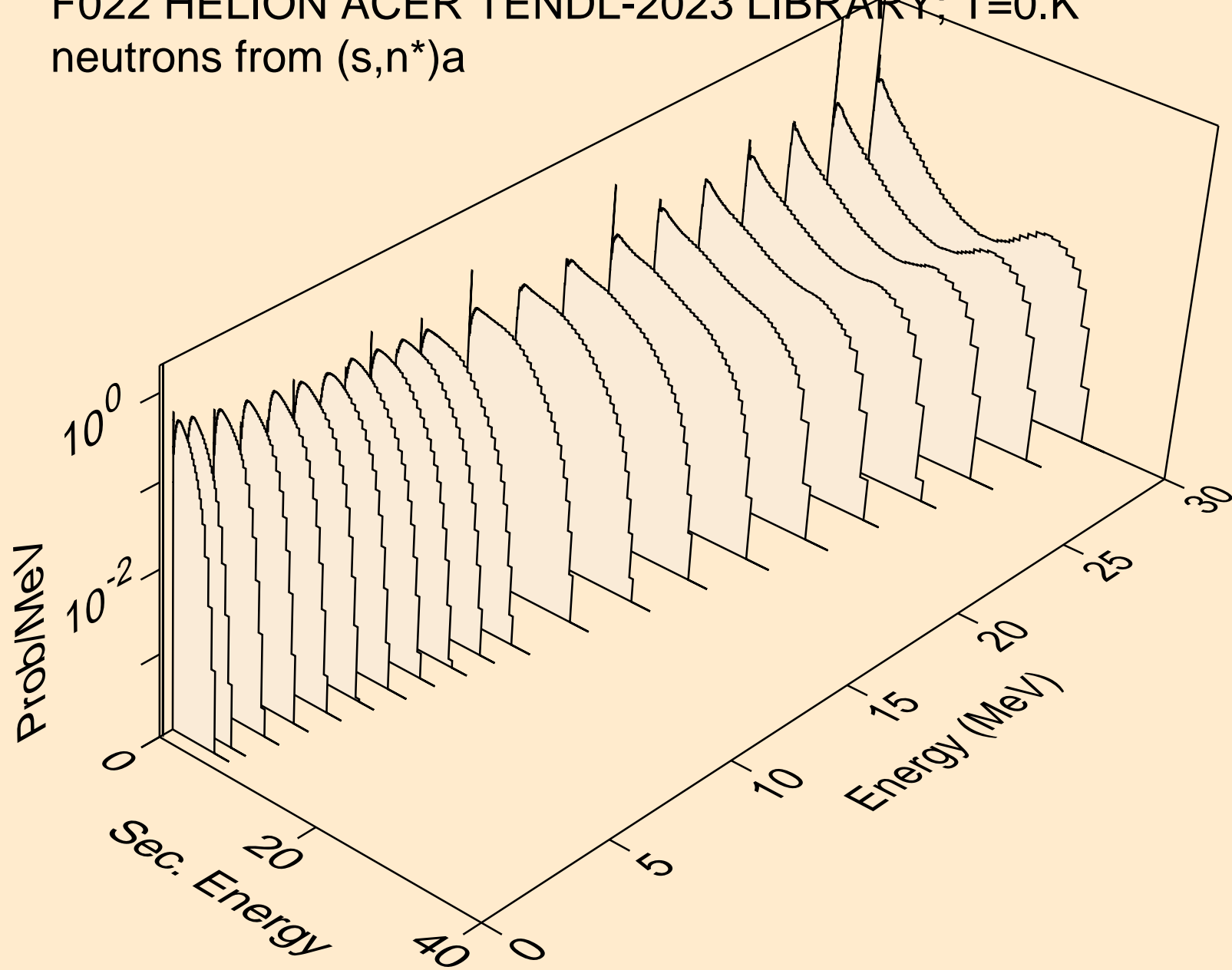


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neutrons from (s,3n)

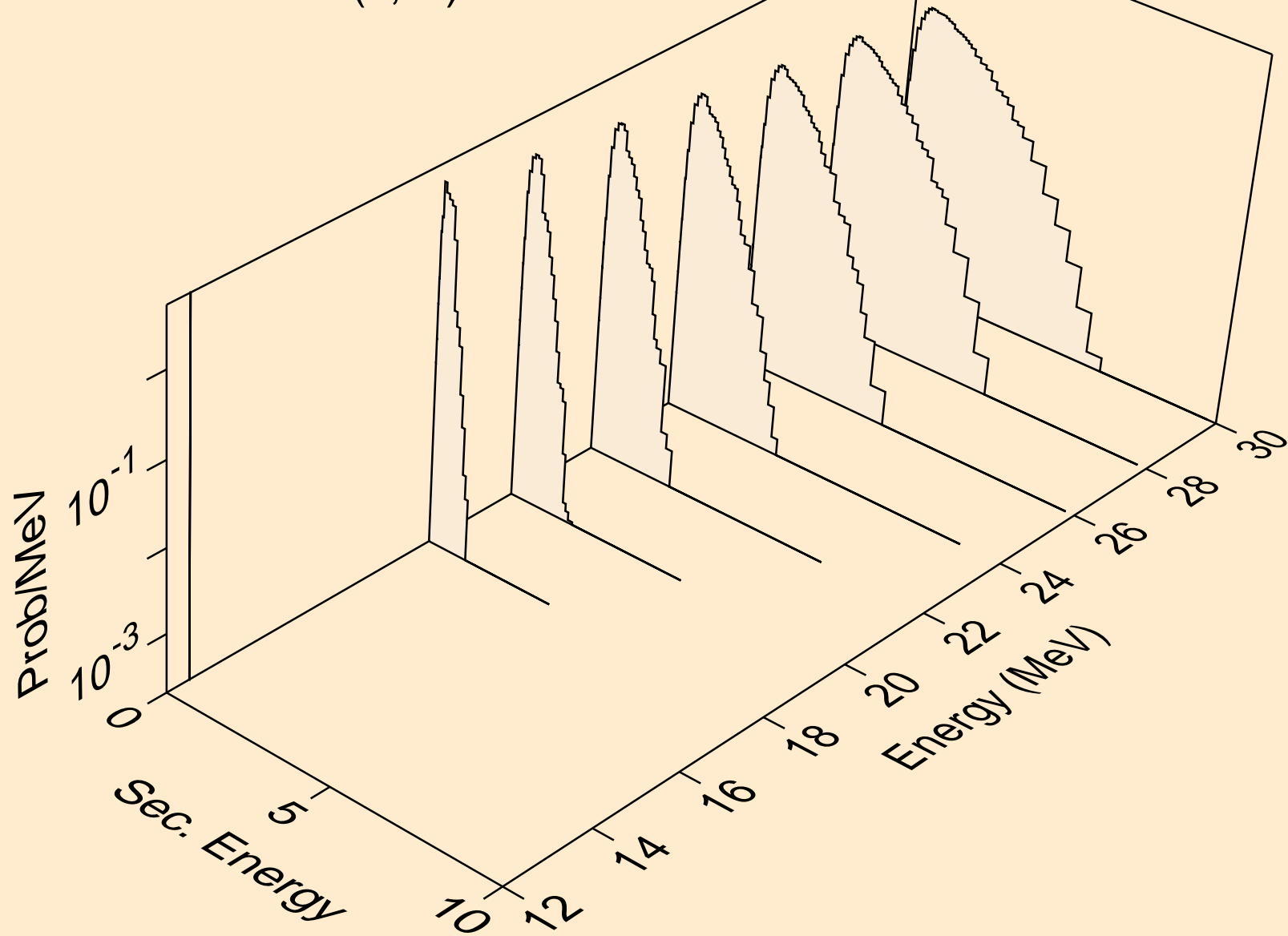




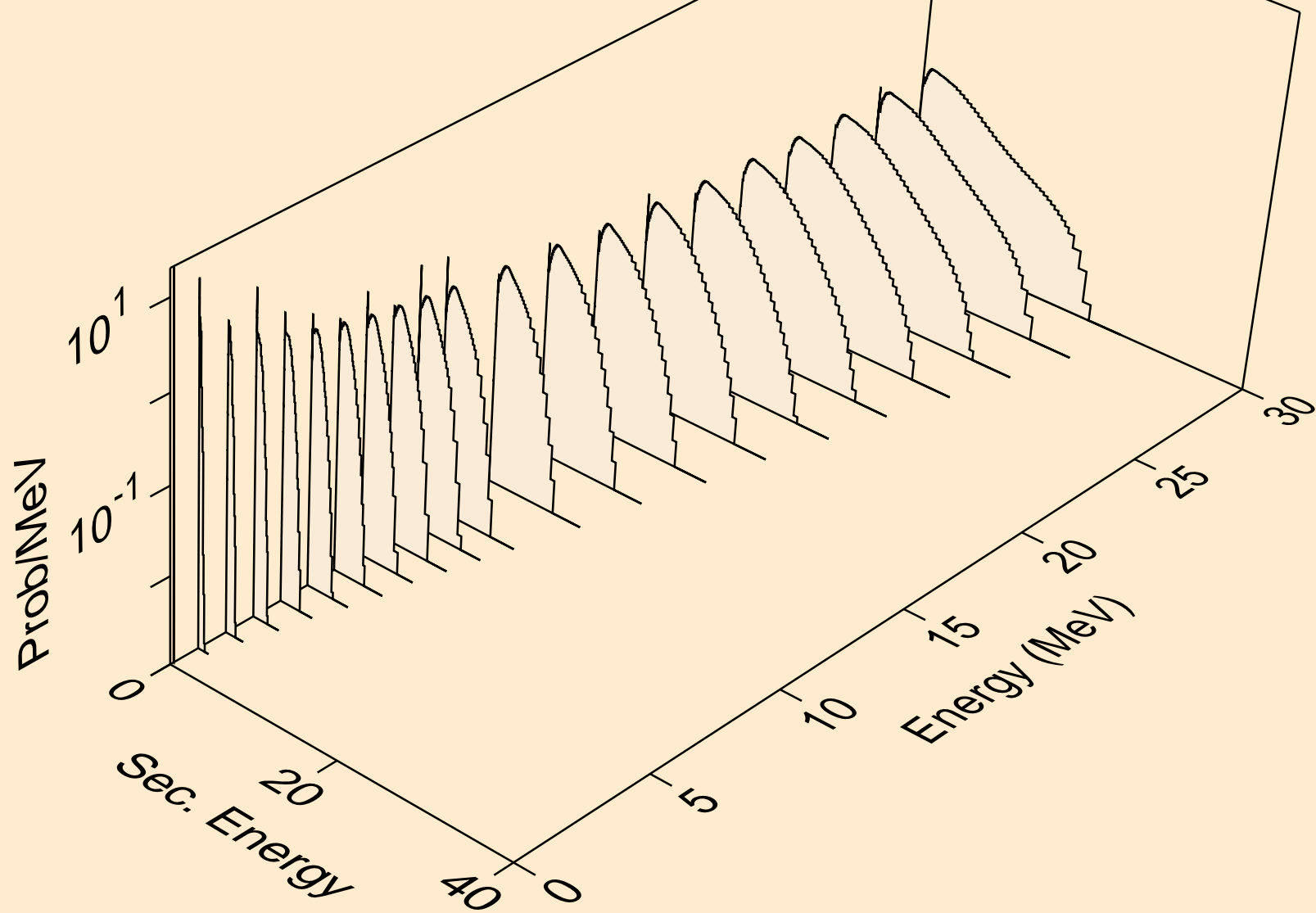
F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a



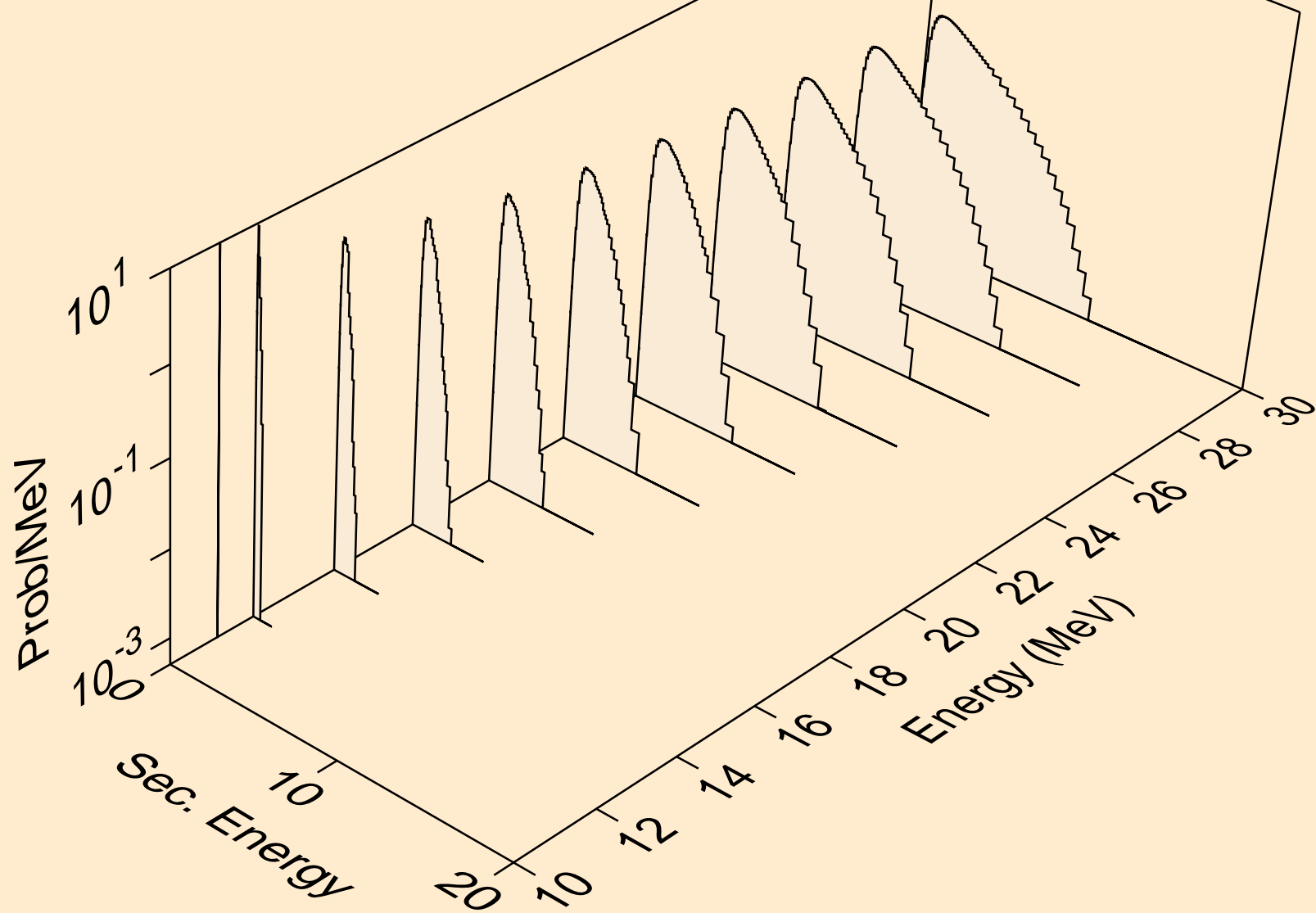
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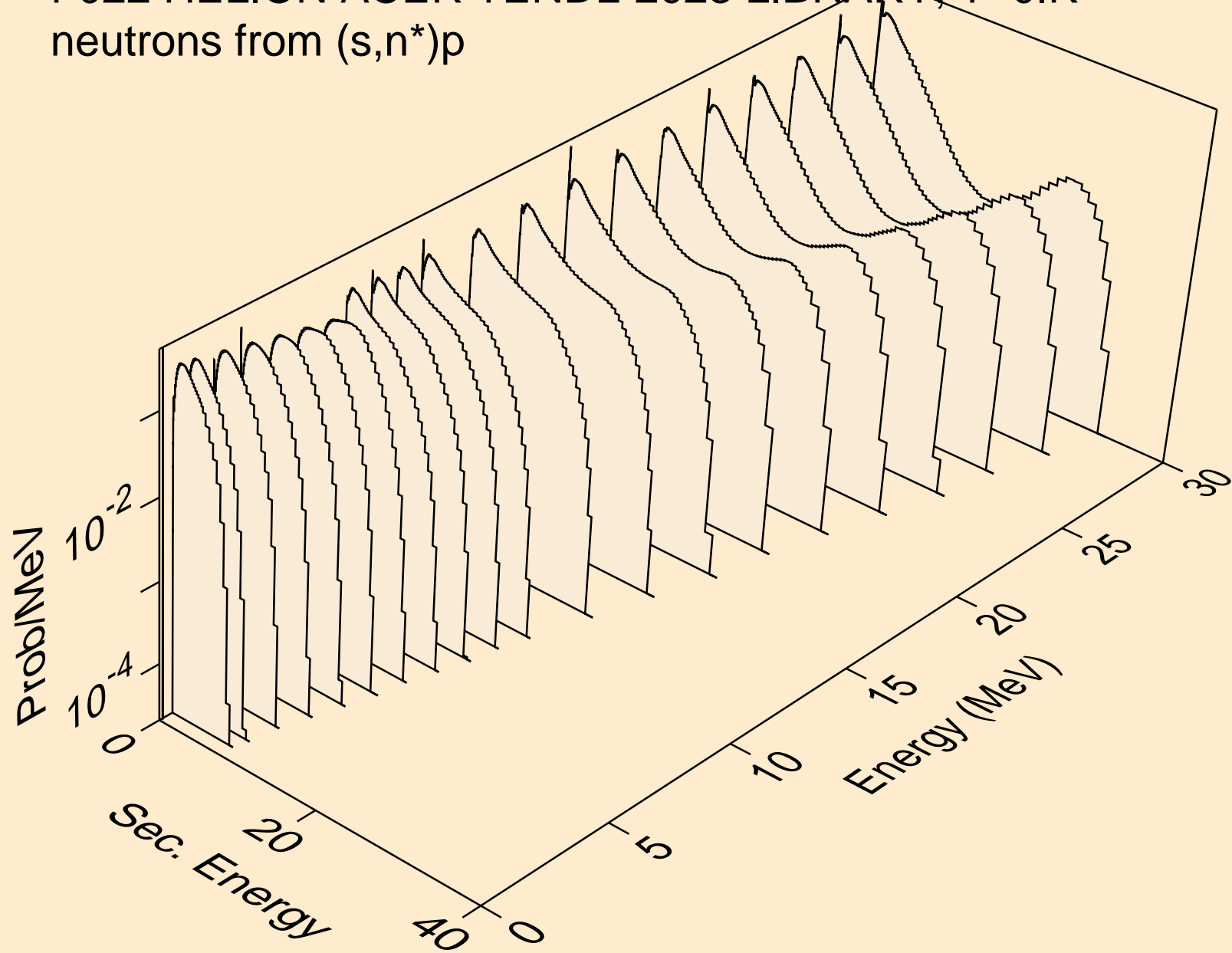
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neutrons from (s,2n)a



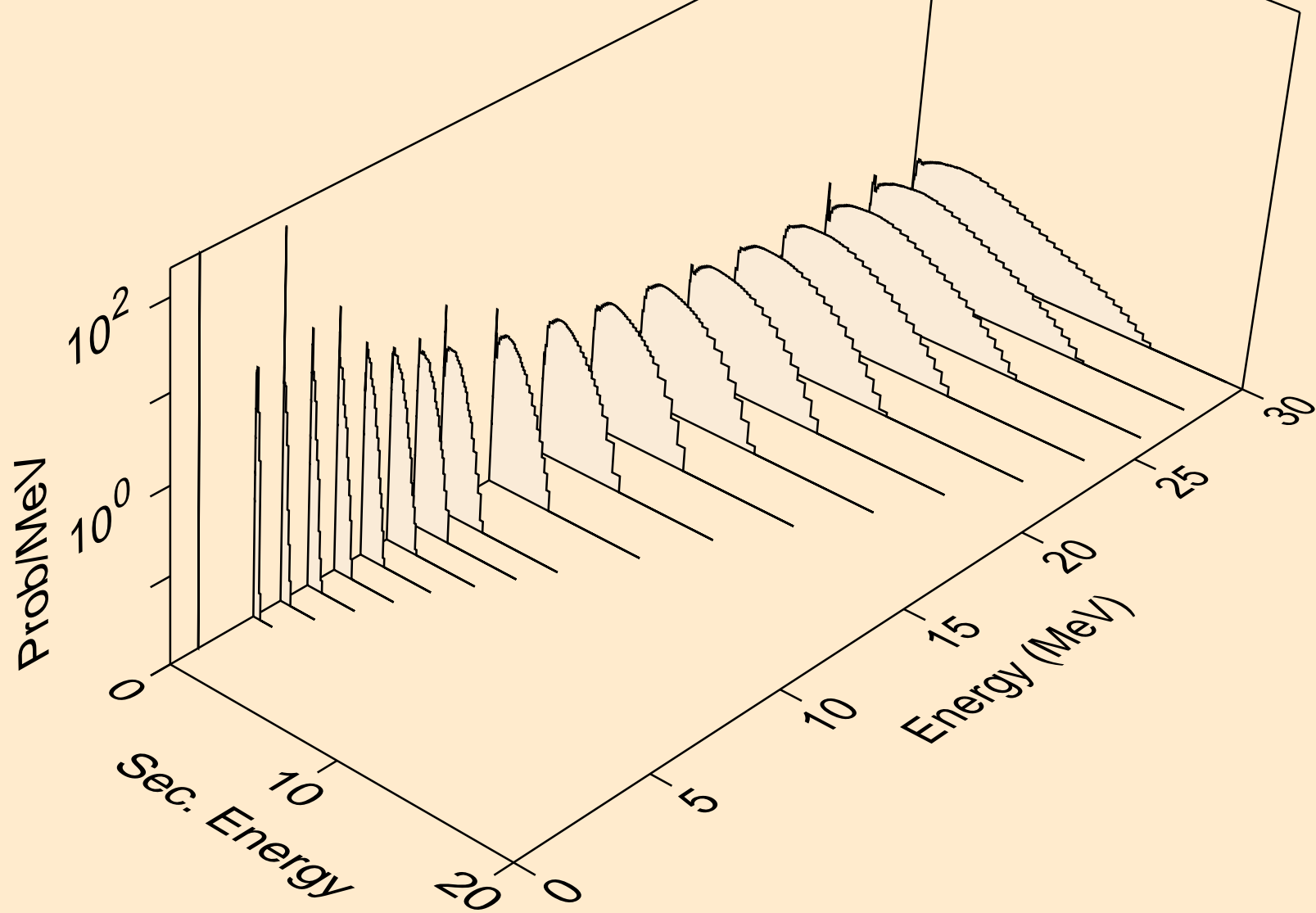
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neutrons from (s,3n)a



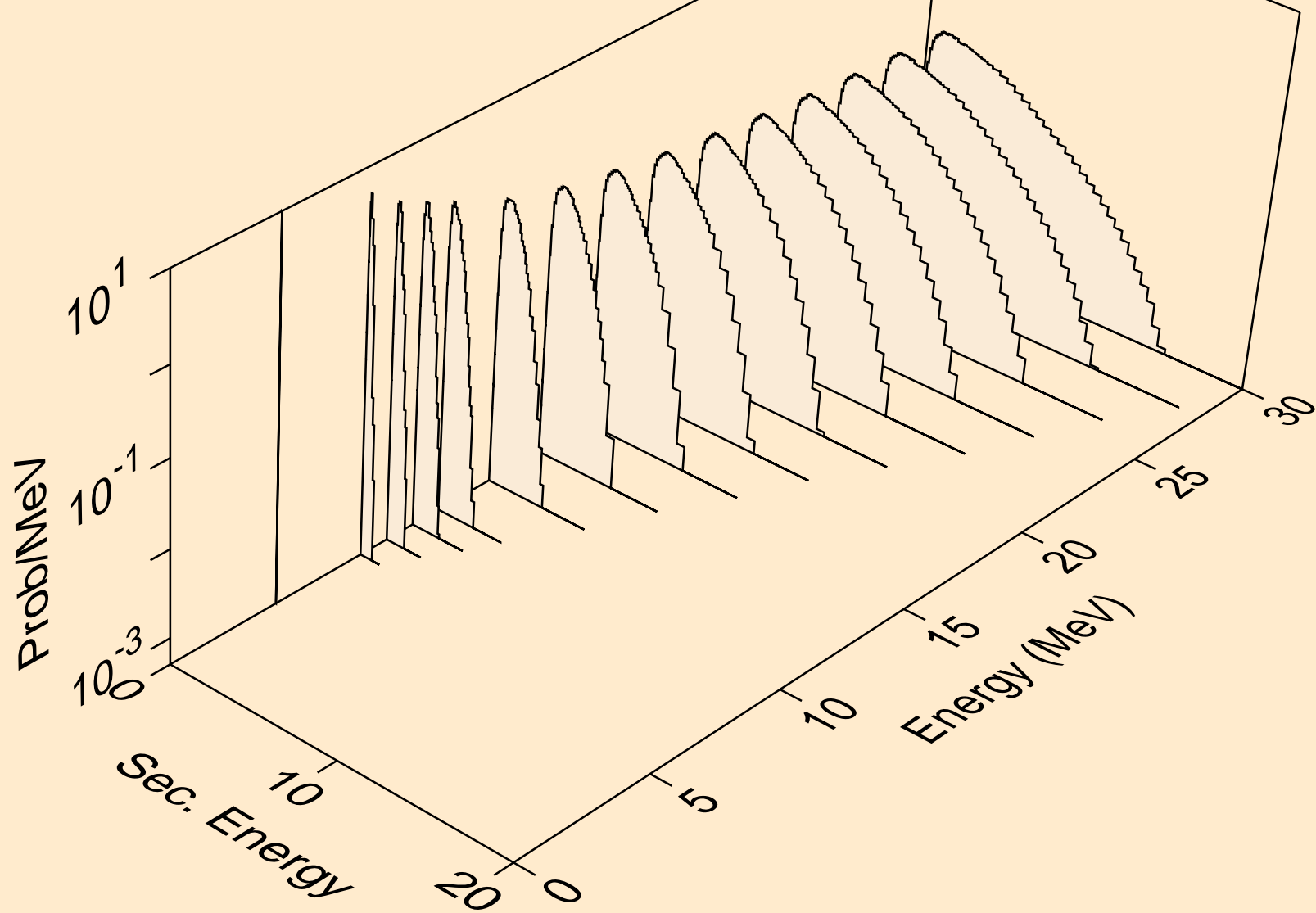
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neutrons from (s,n\*)p



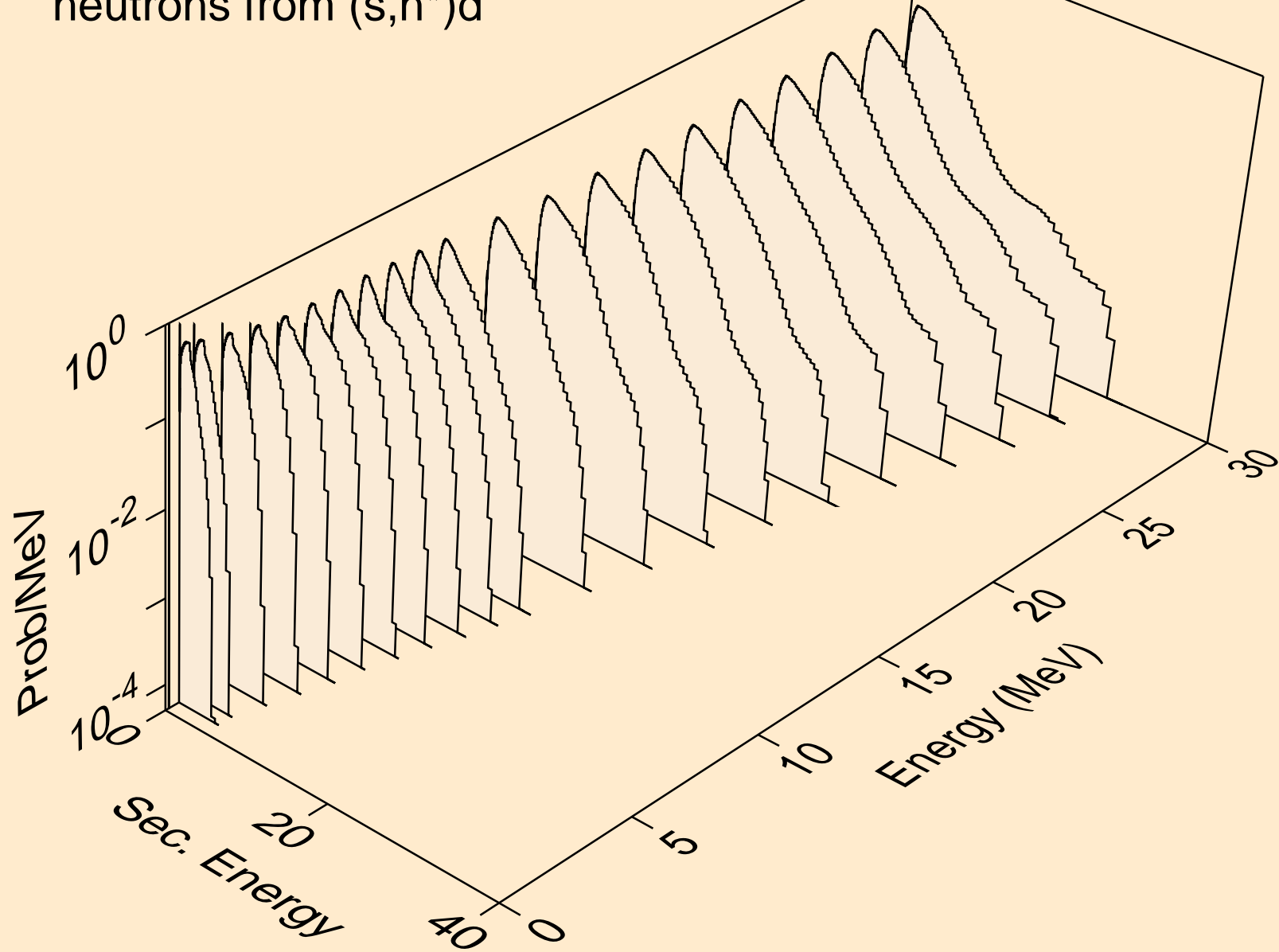
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neutrons from (s,n\*)2a



F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)2a

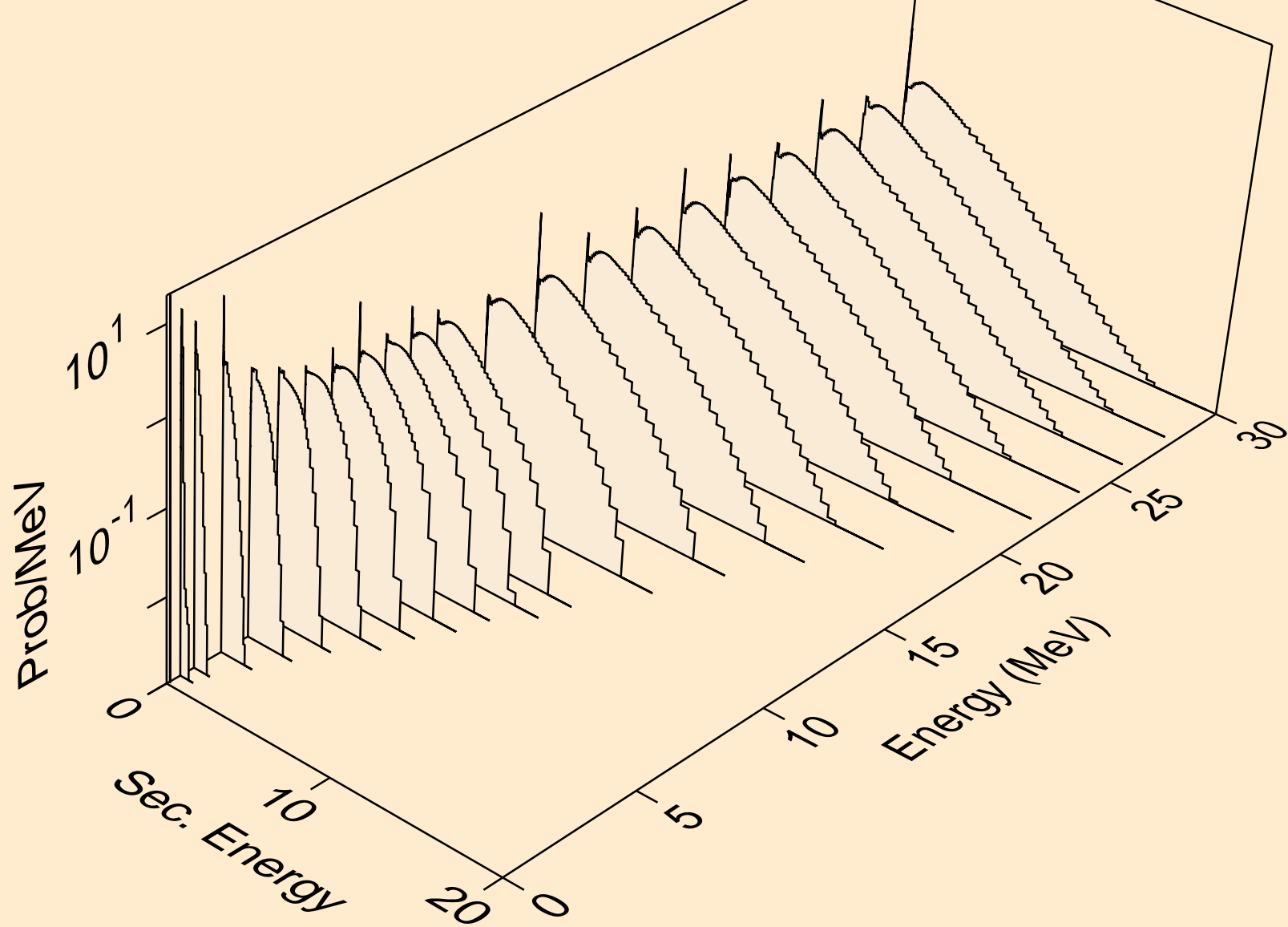


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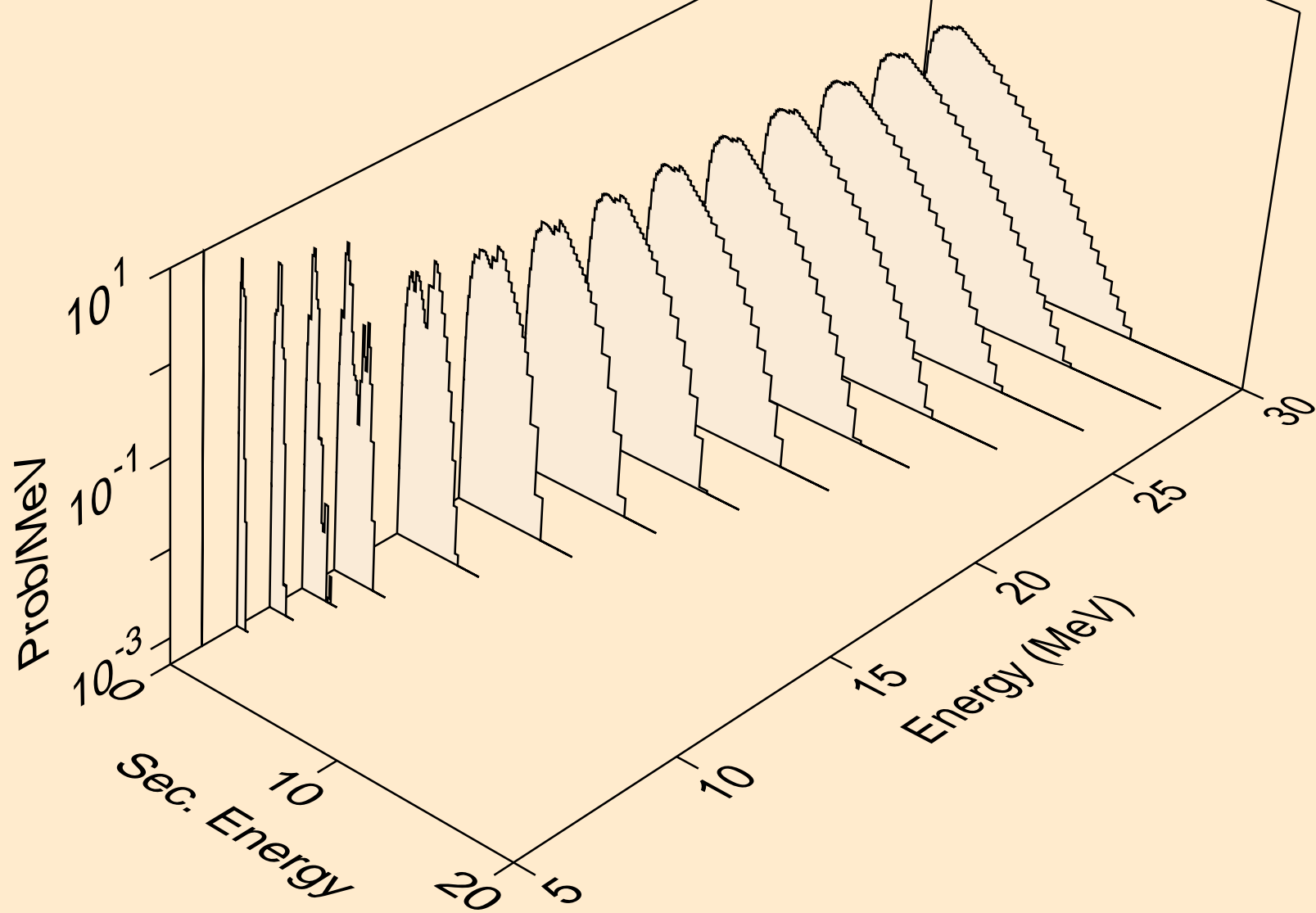




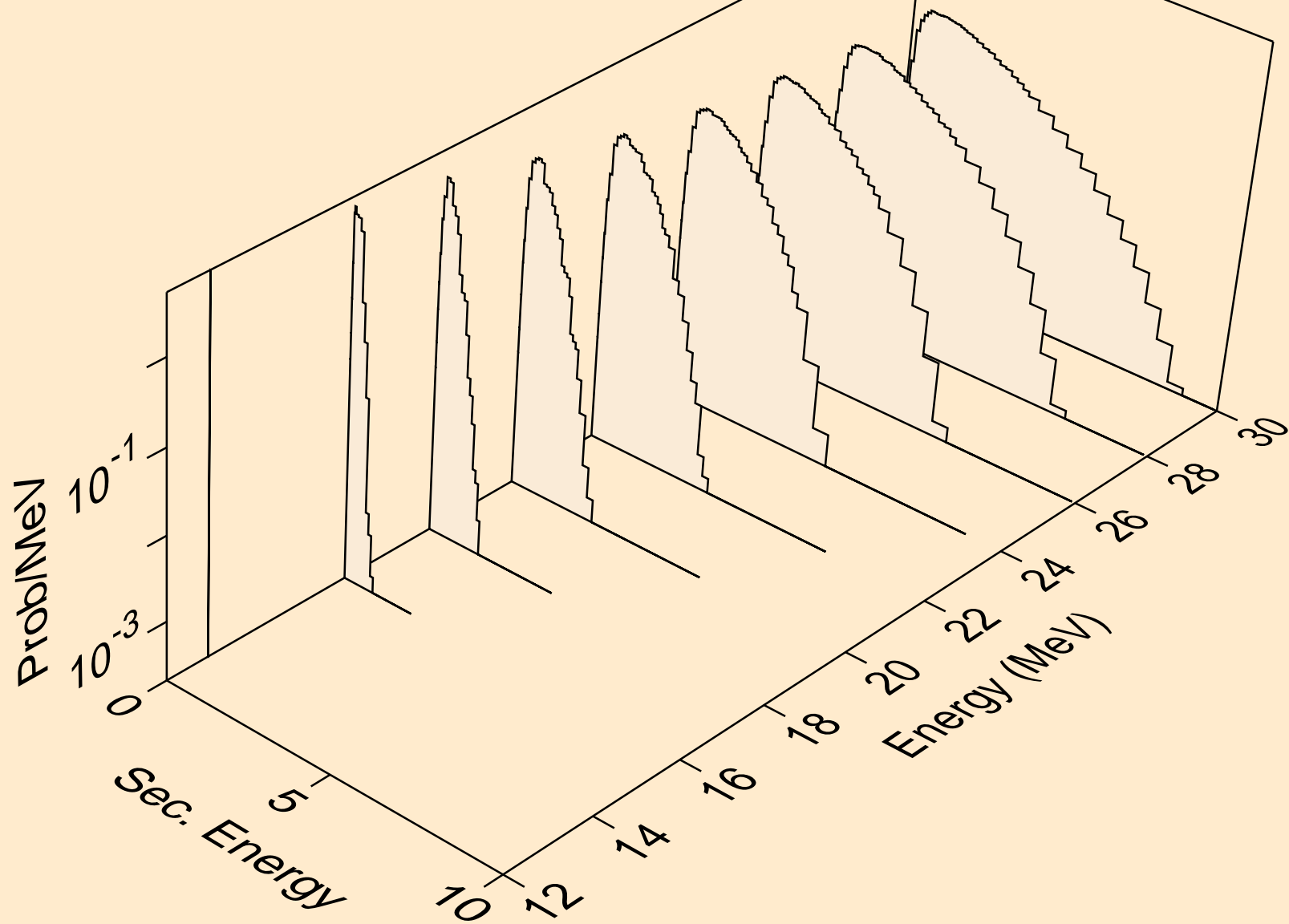
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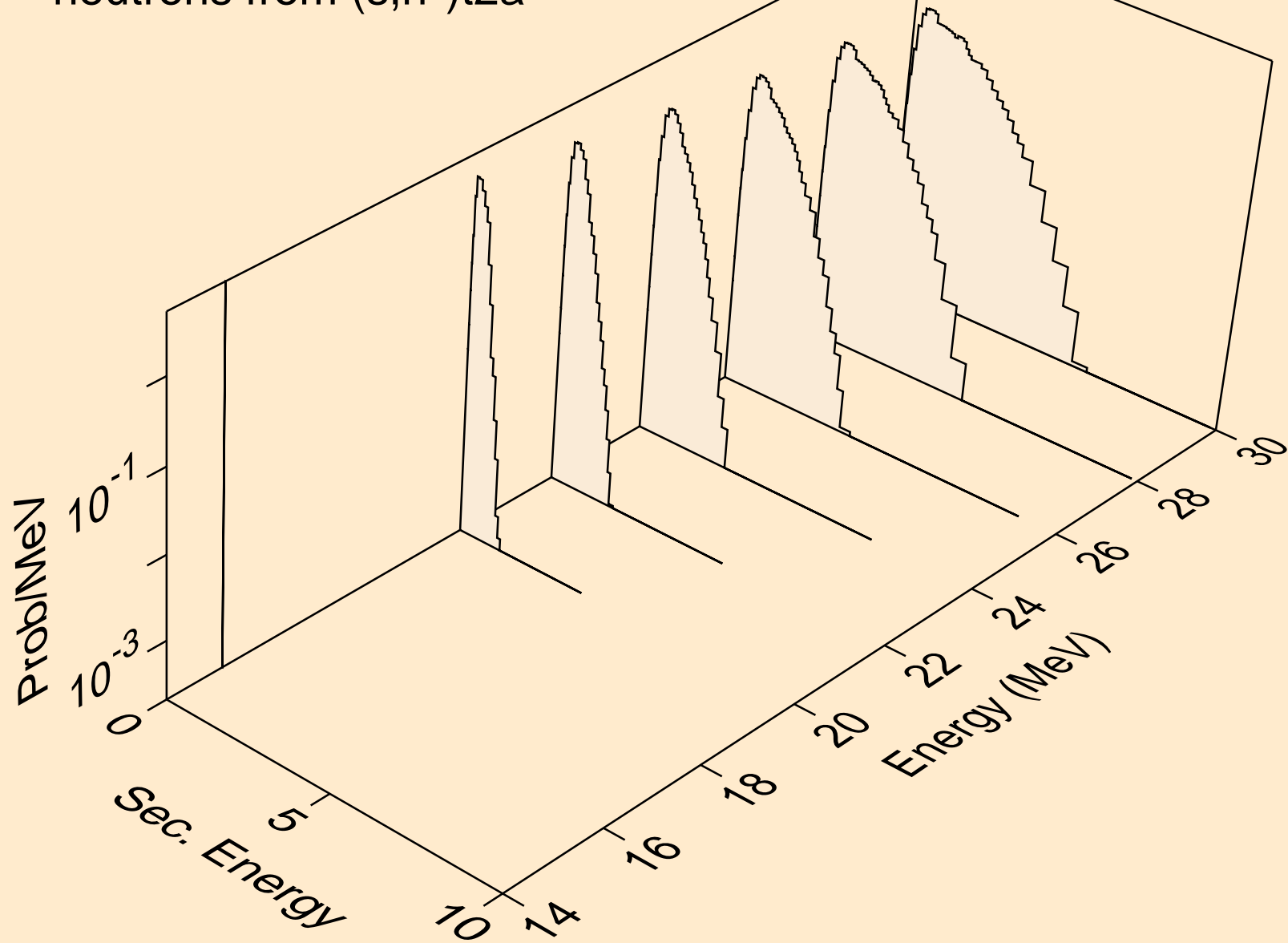
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neutrons from (s,n\*)he3



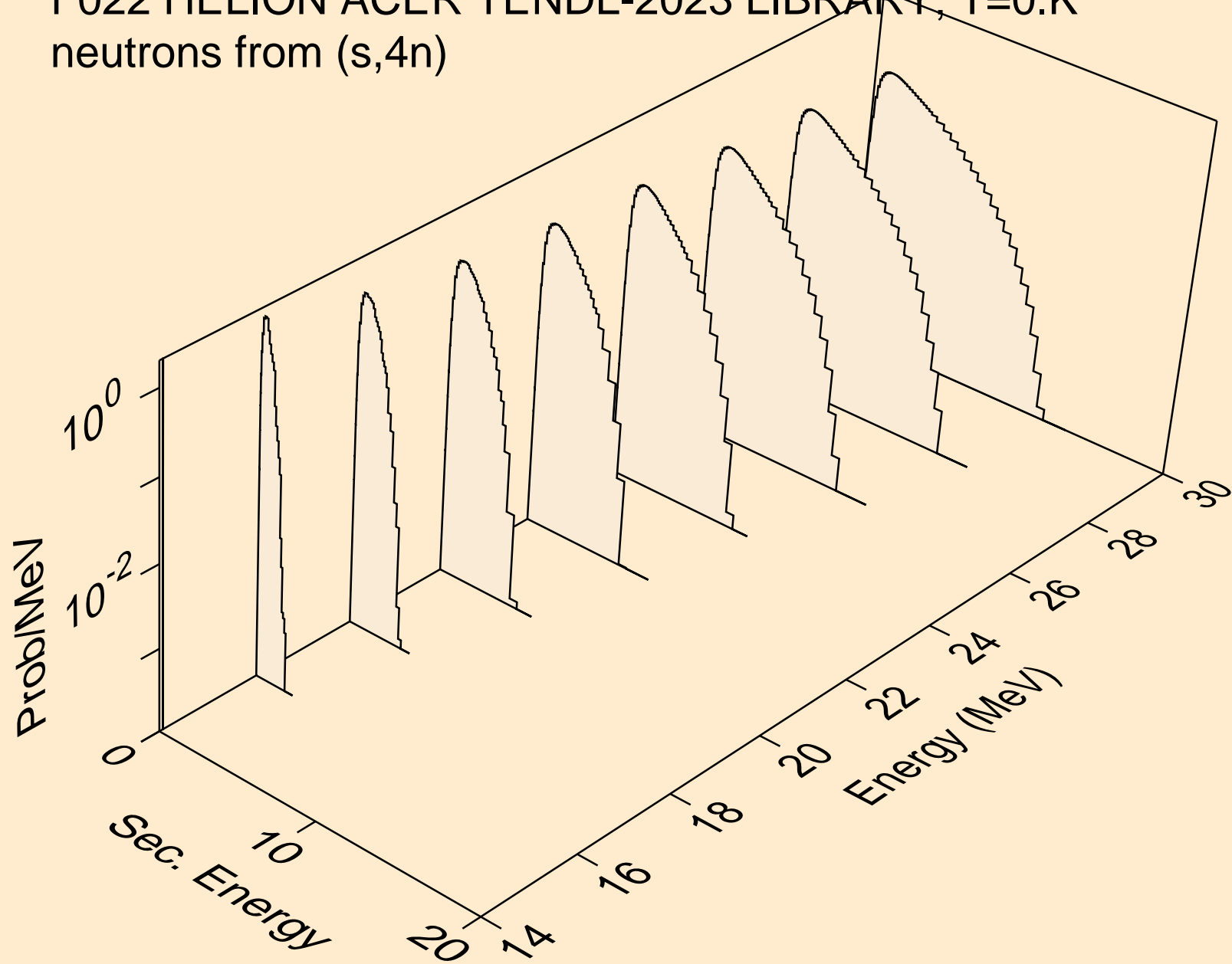
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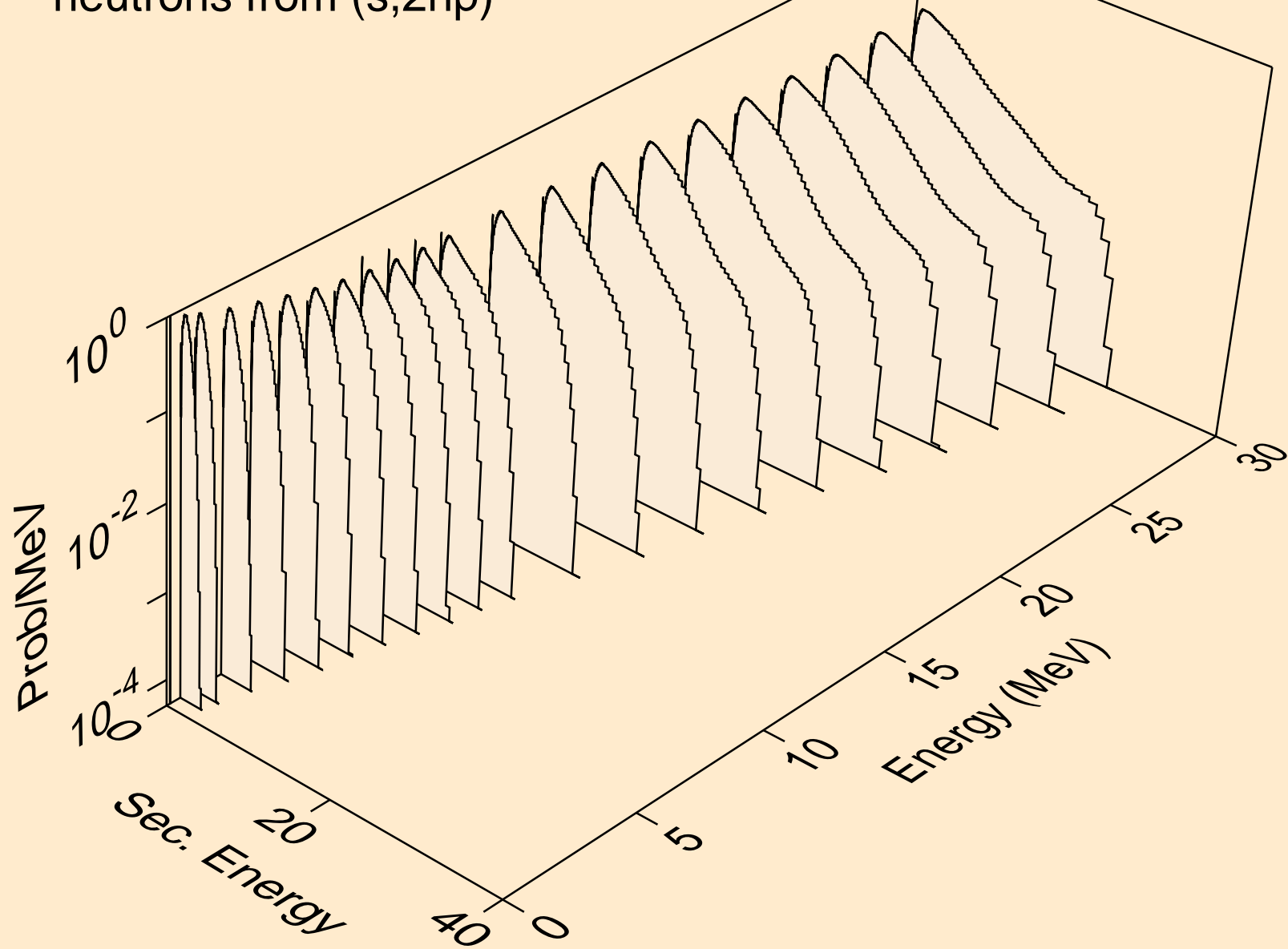
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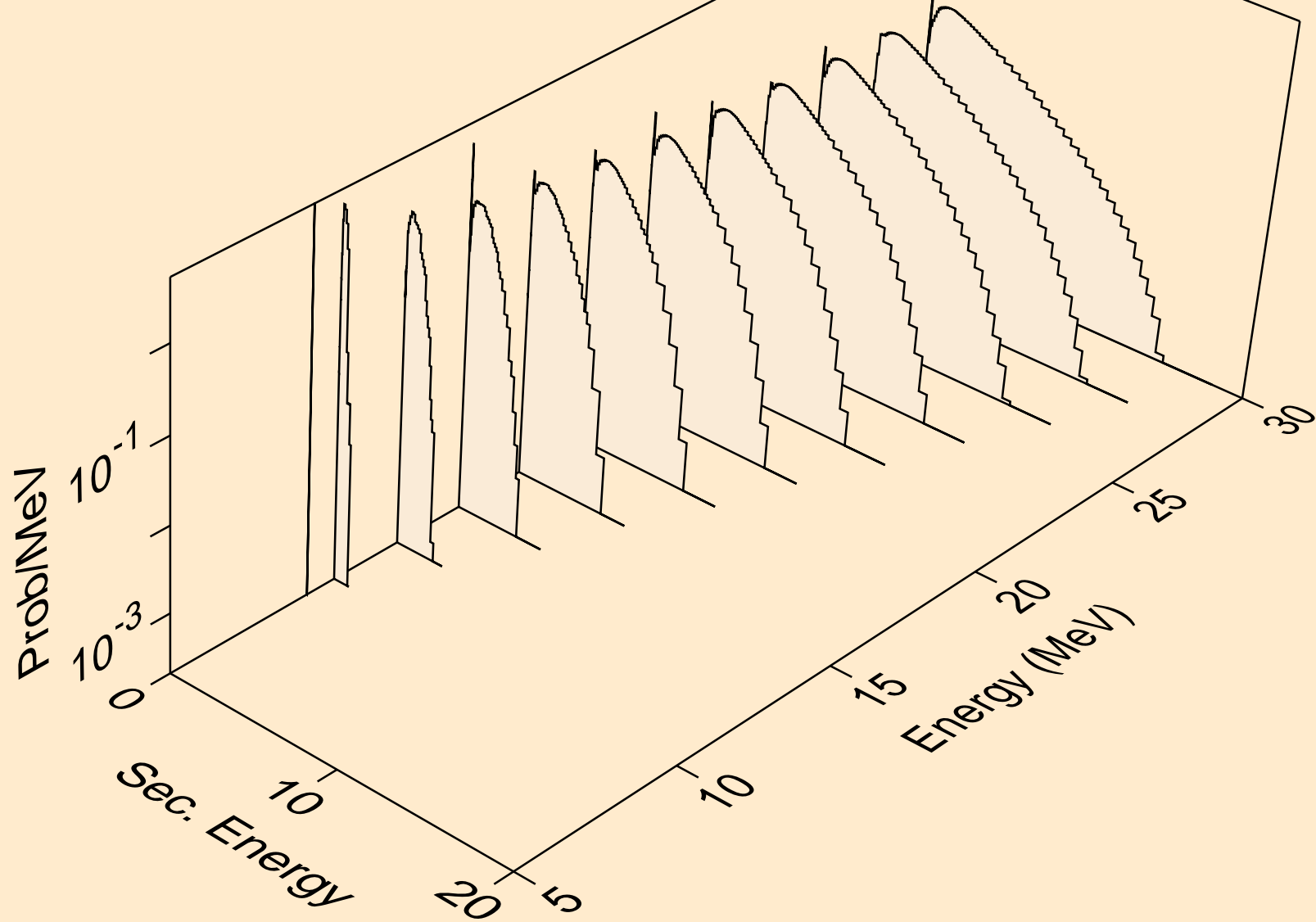
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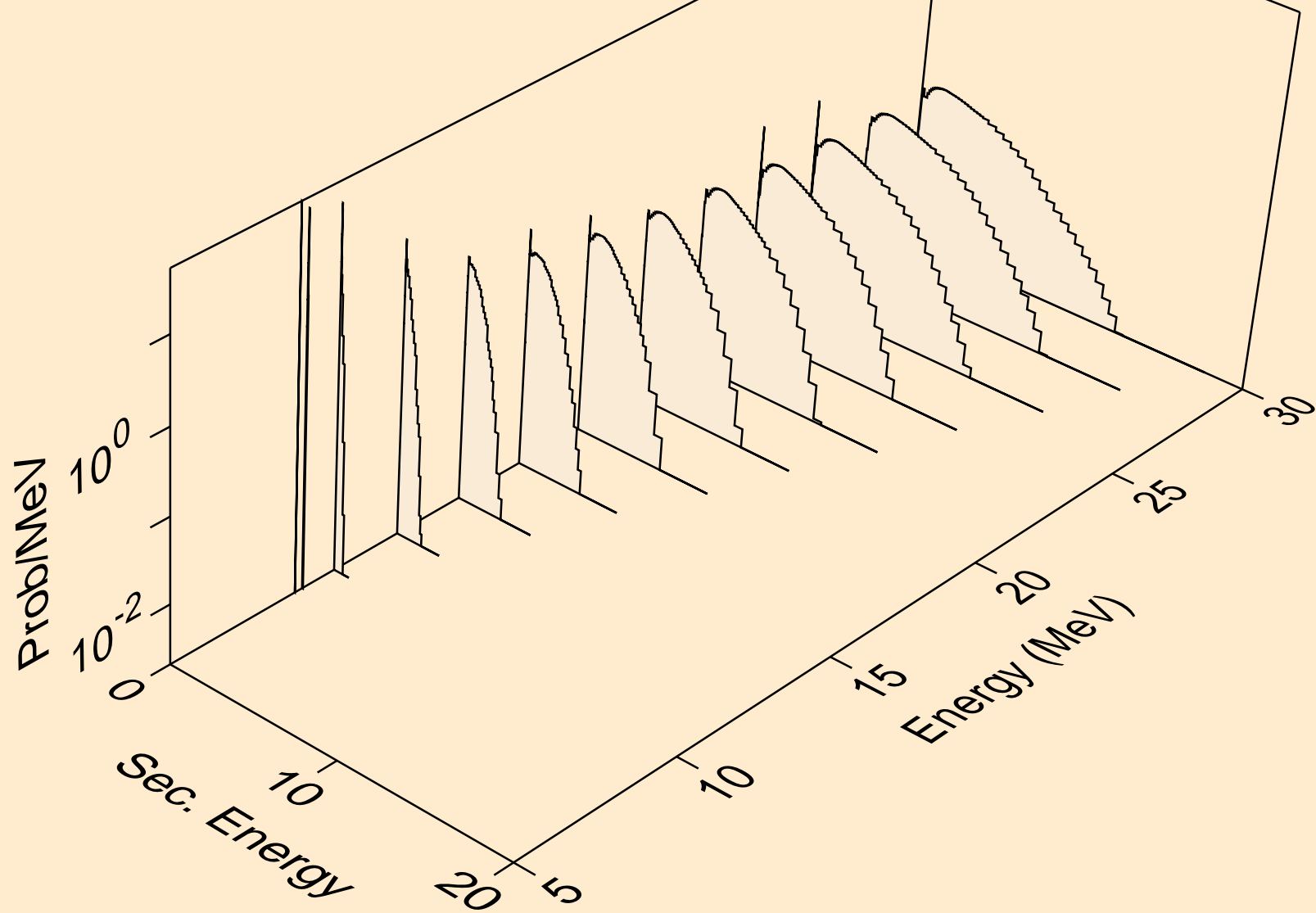
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neutrons from (s,2np)



F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3np)

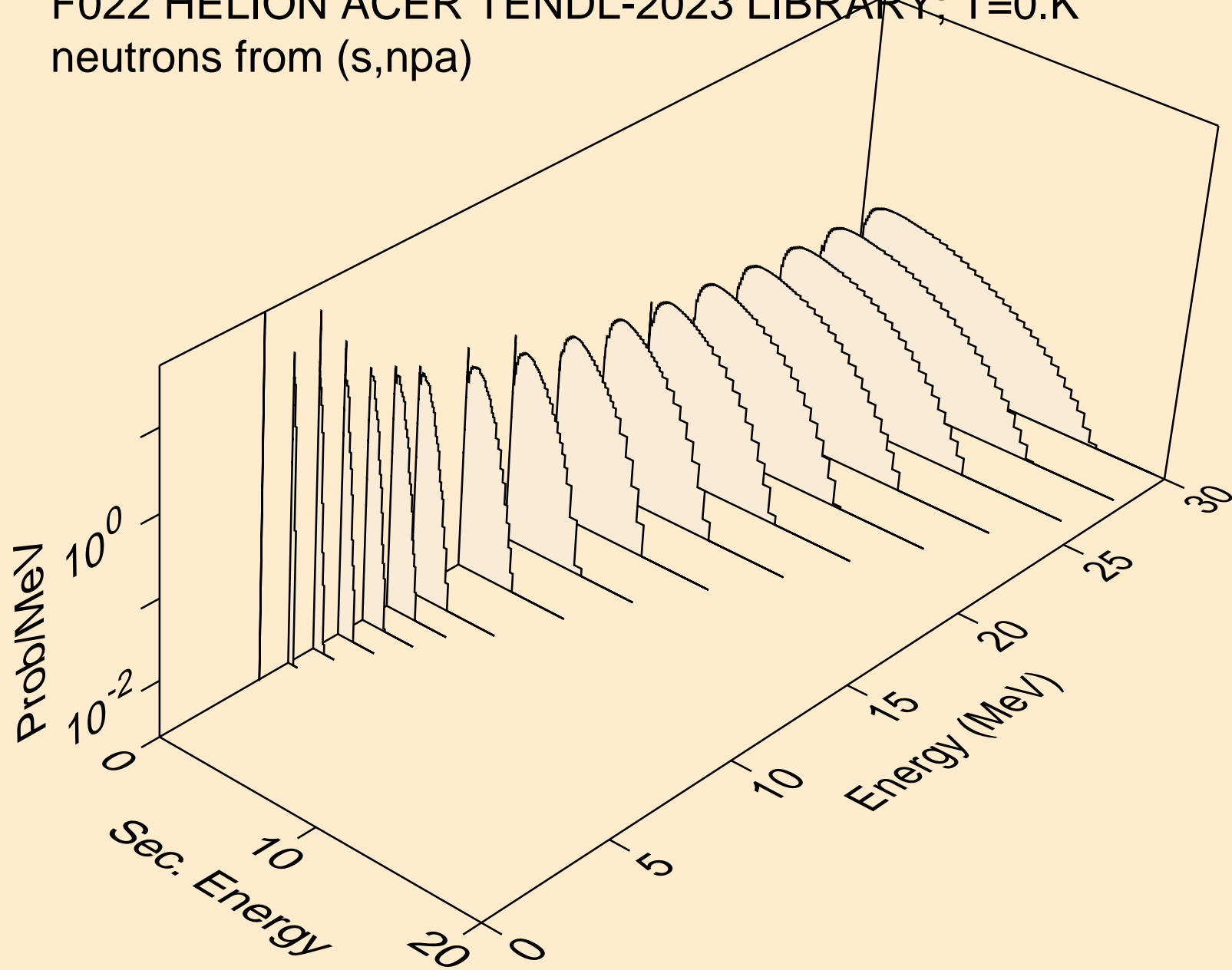


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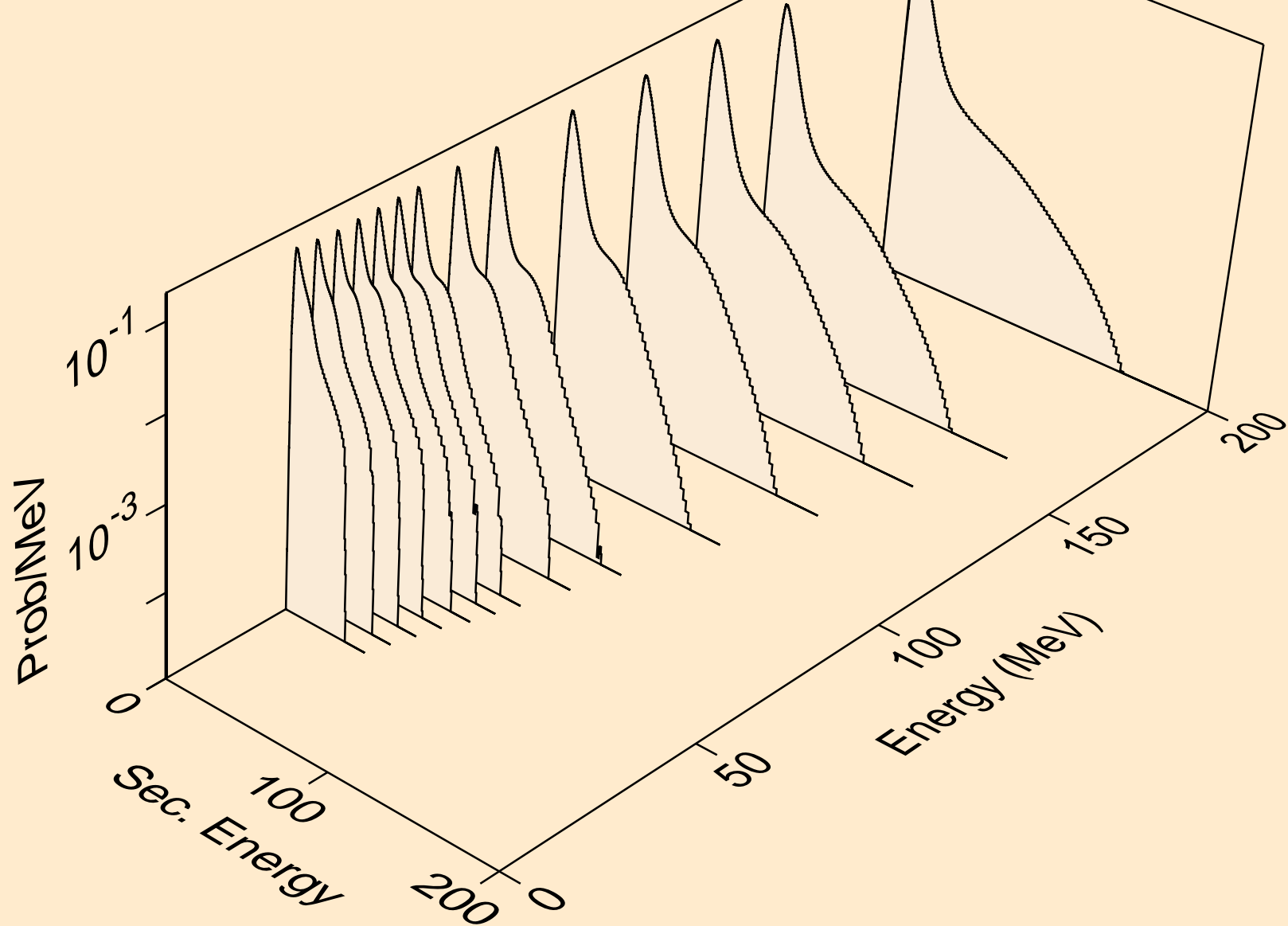




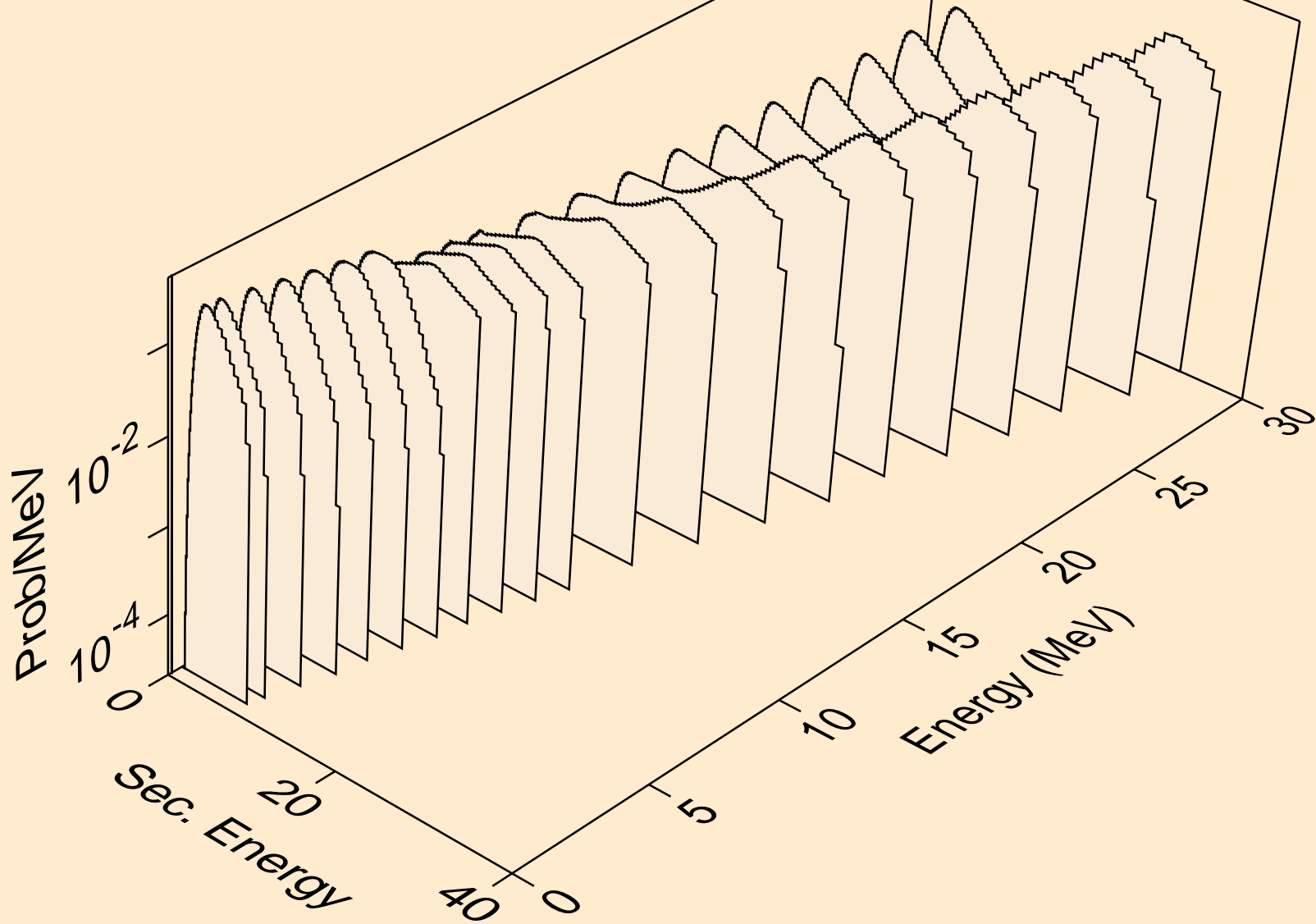
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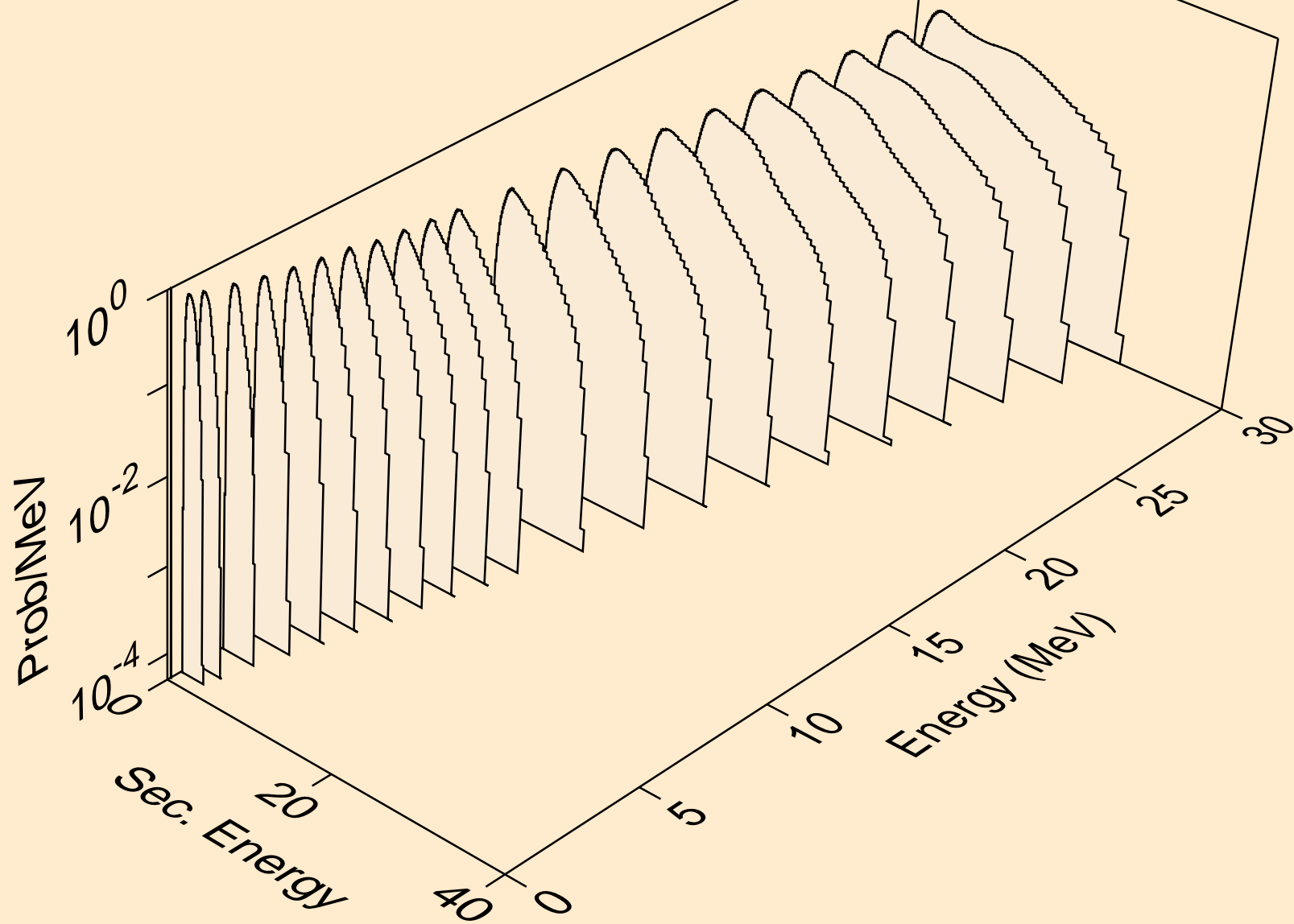
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protons from (s,x)



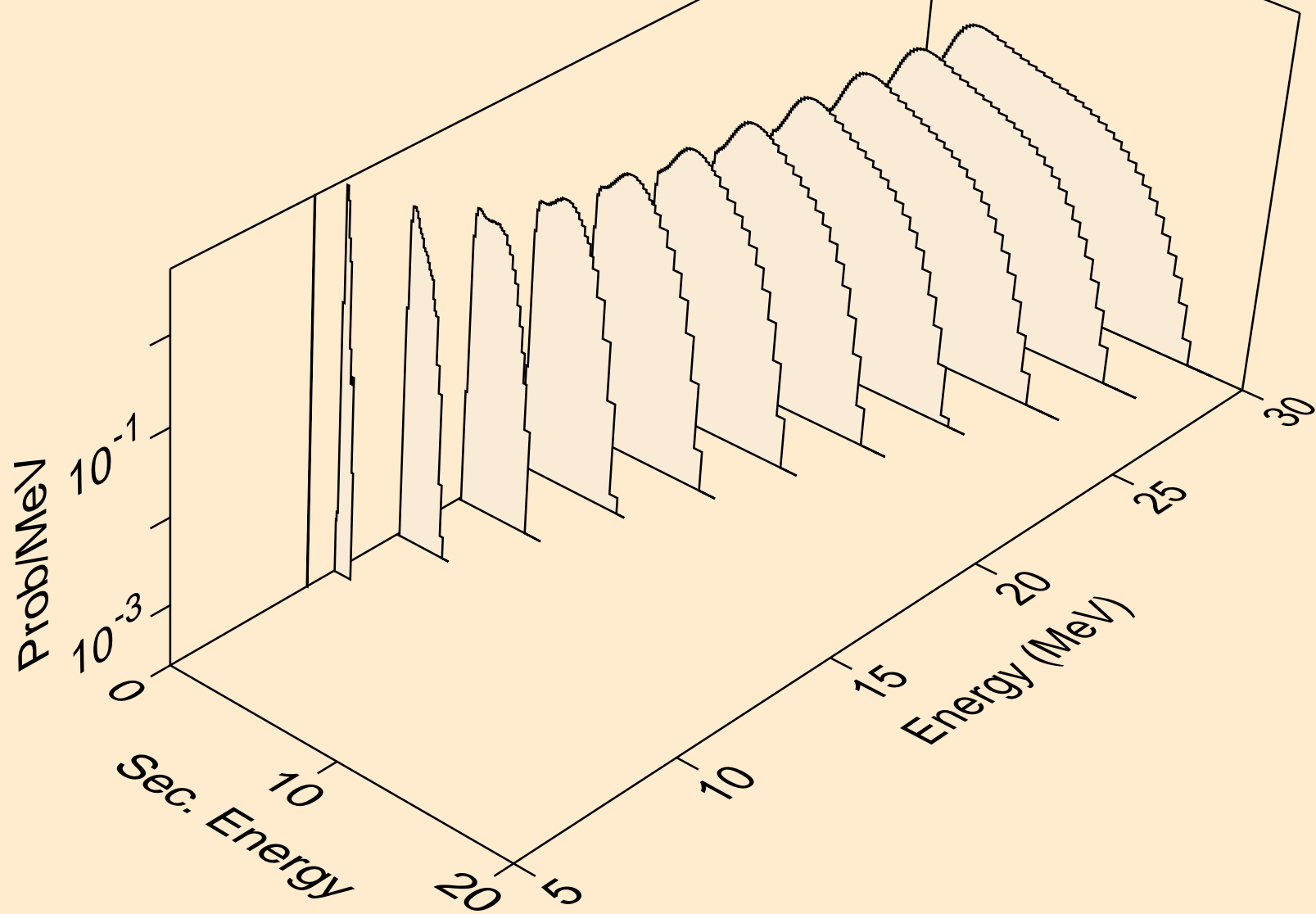
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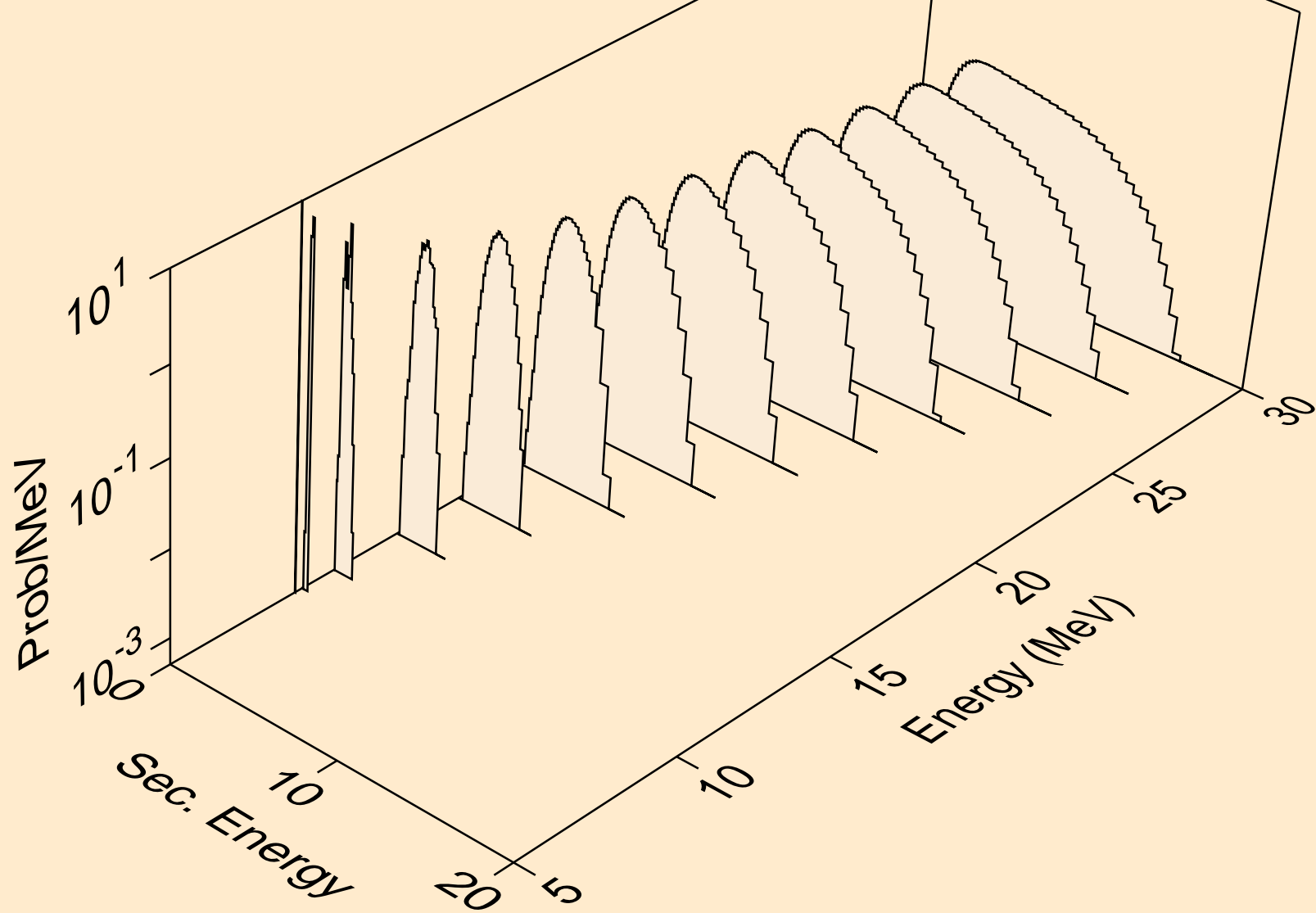
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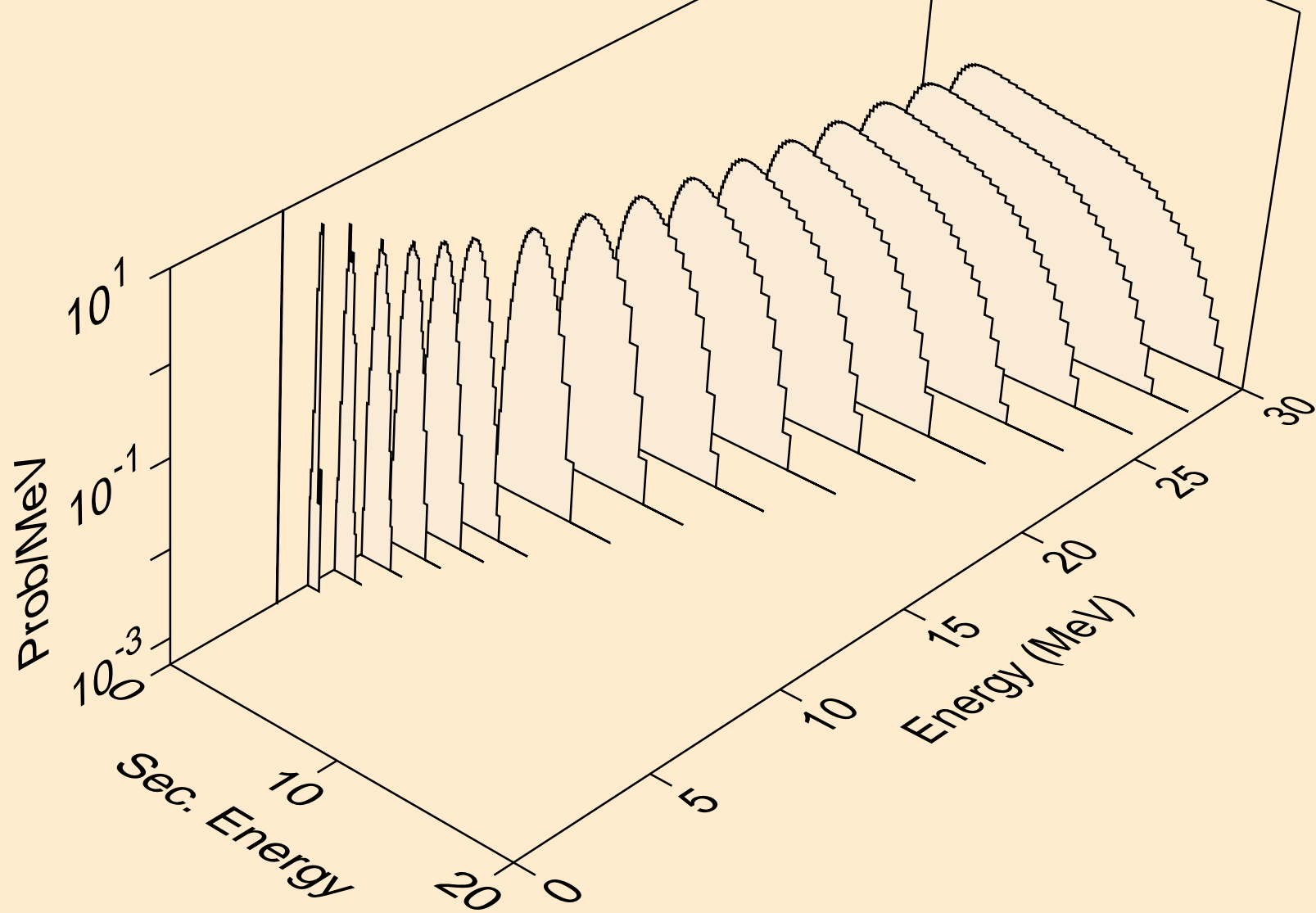
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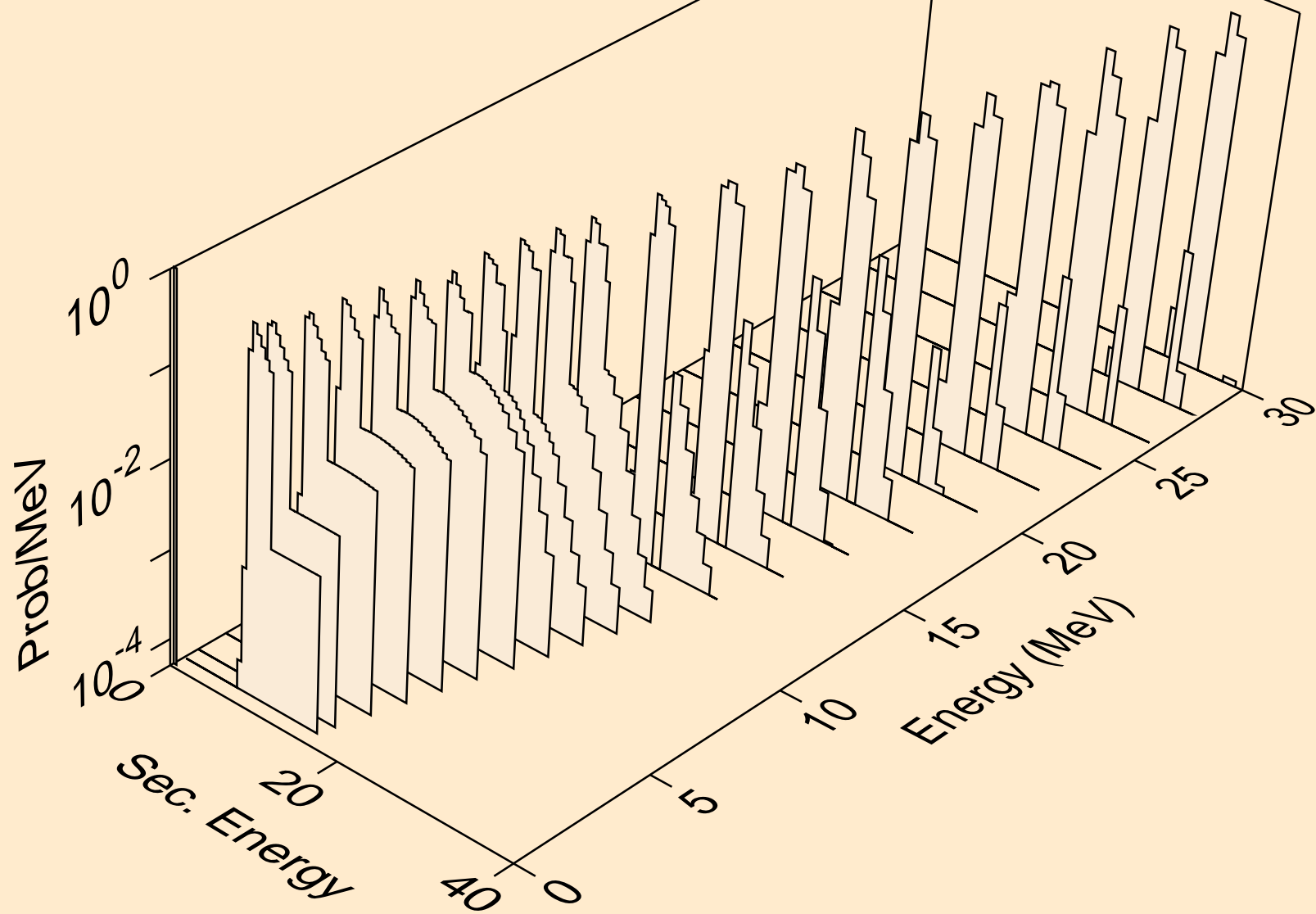
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protons from (s,n2p)



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protons from (s,npa)

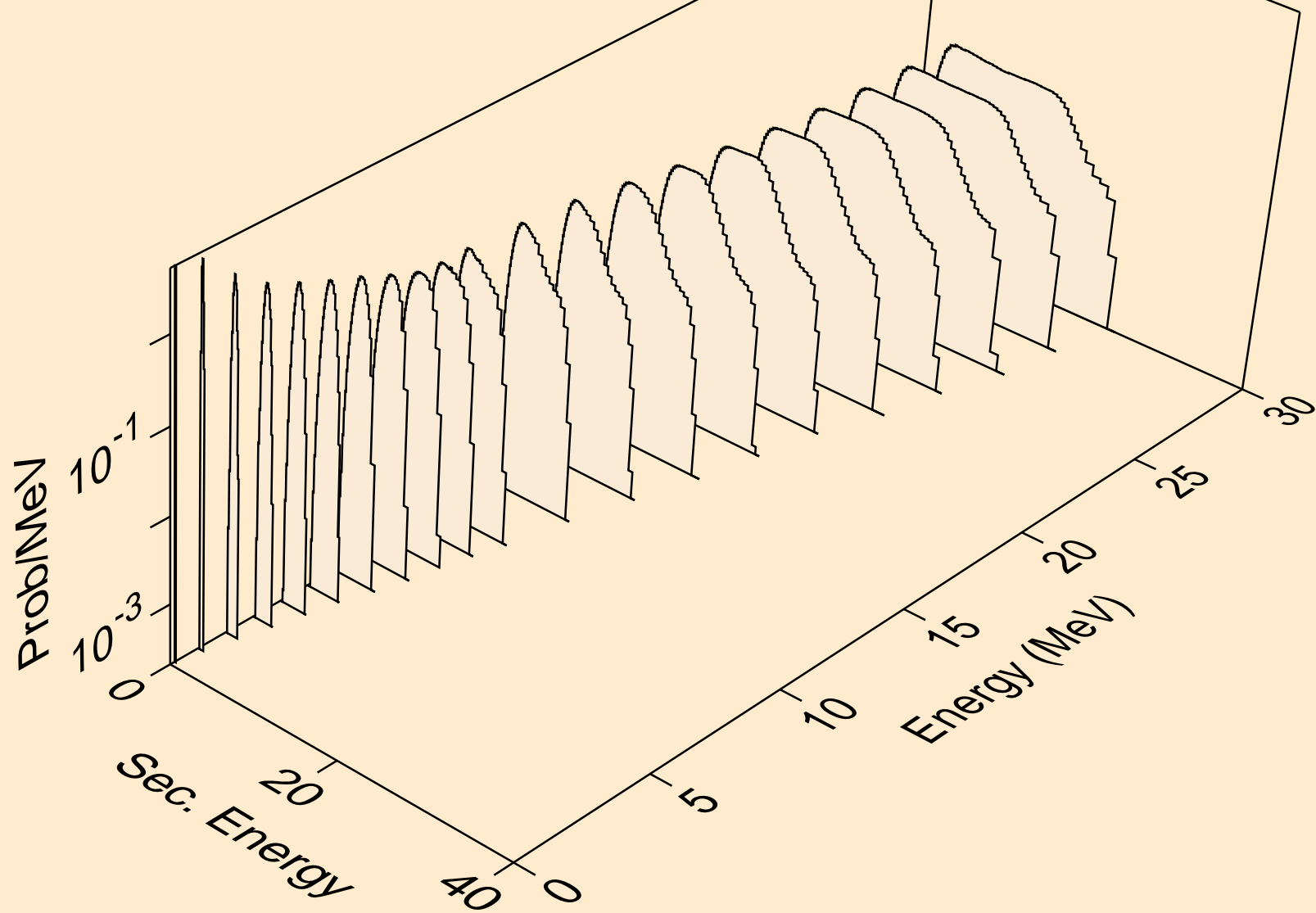


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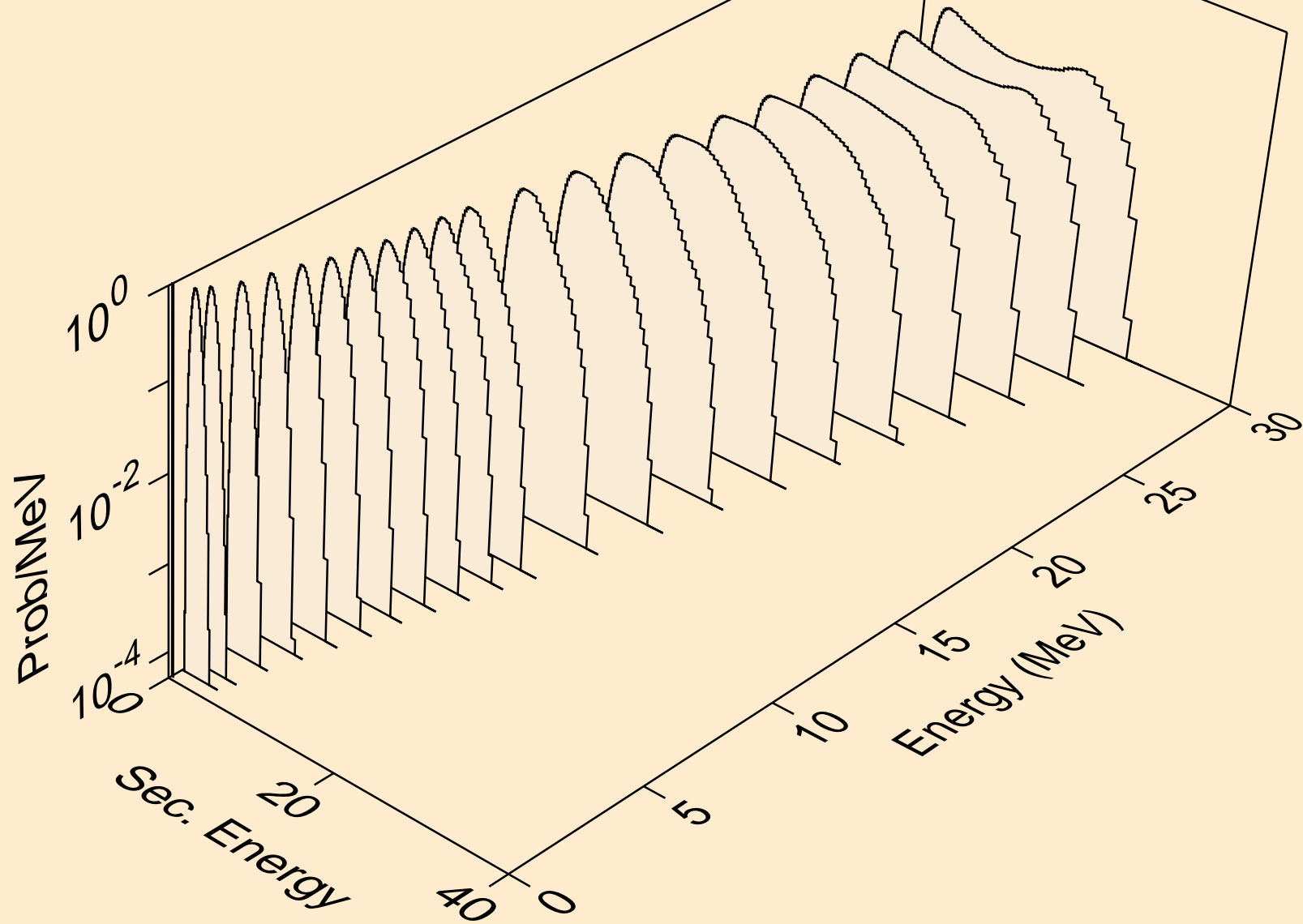




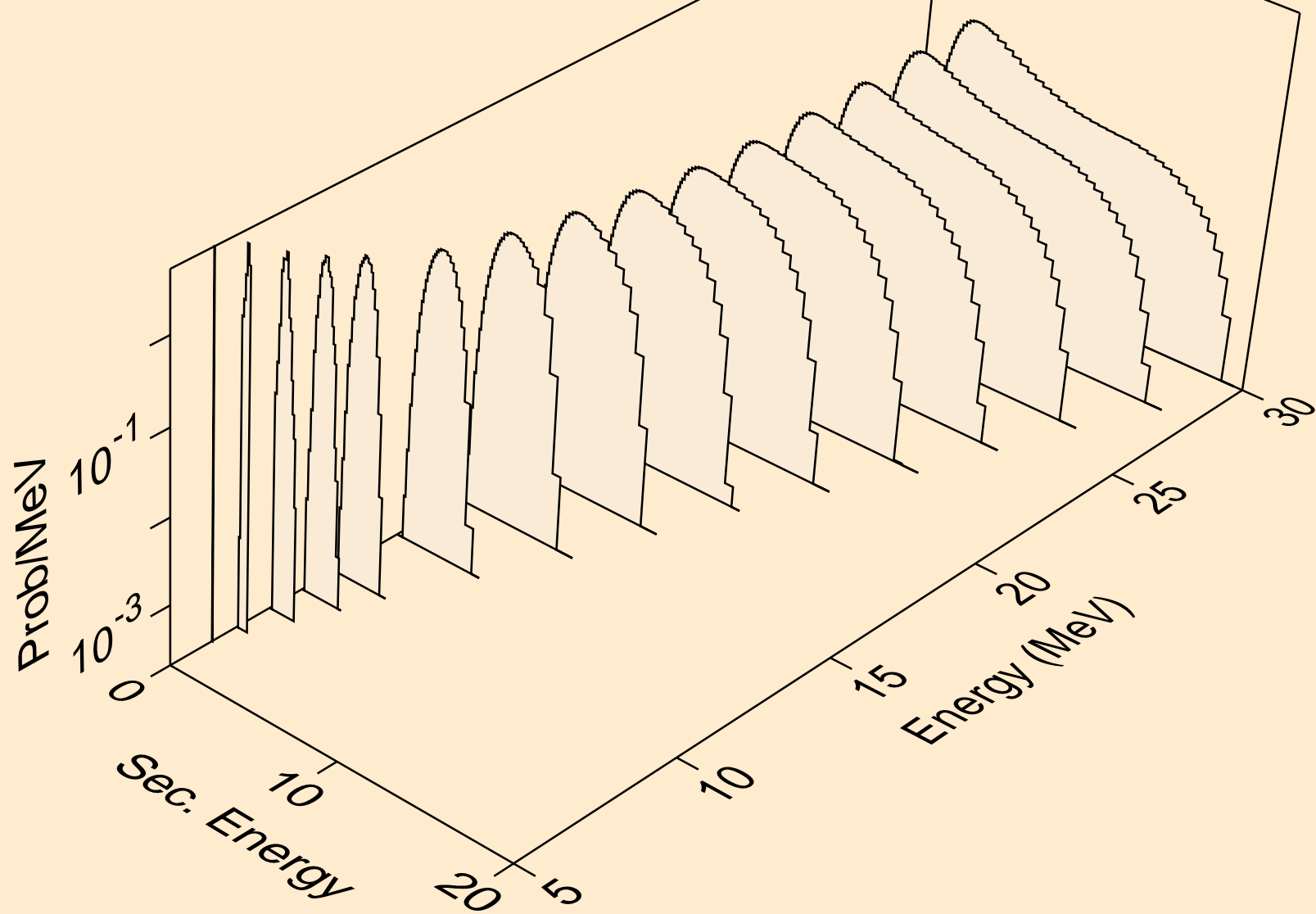
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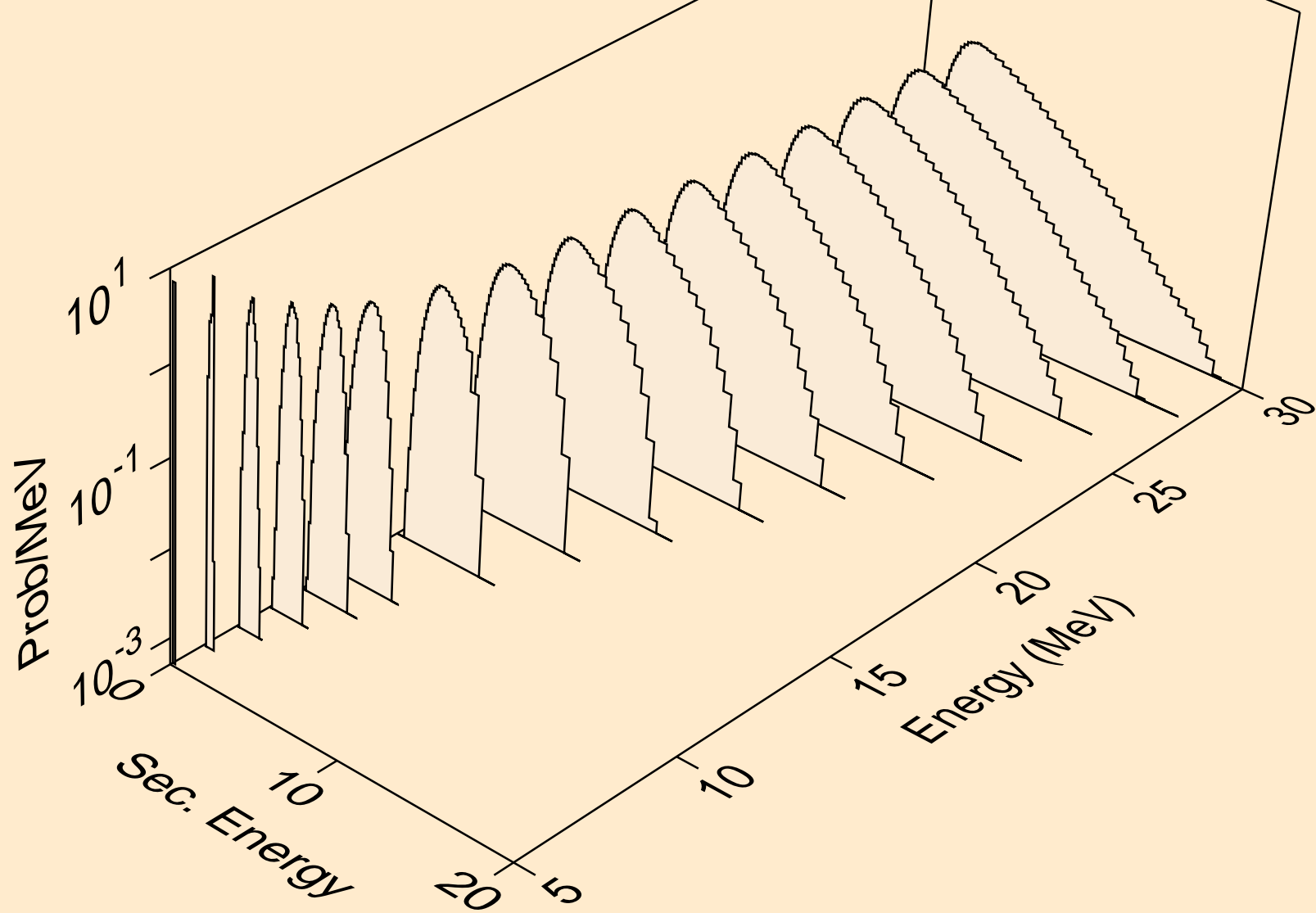
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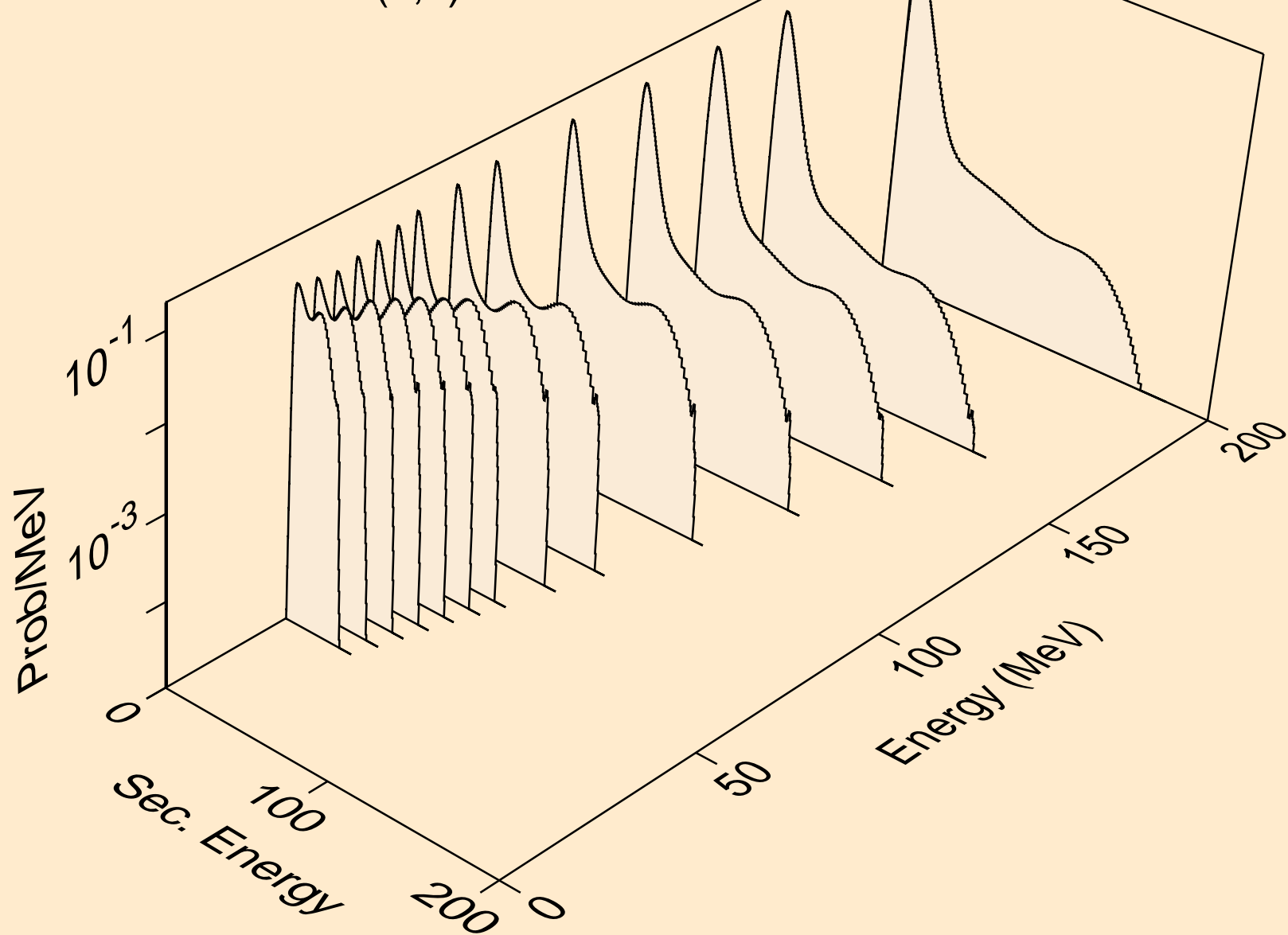
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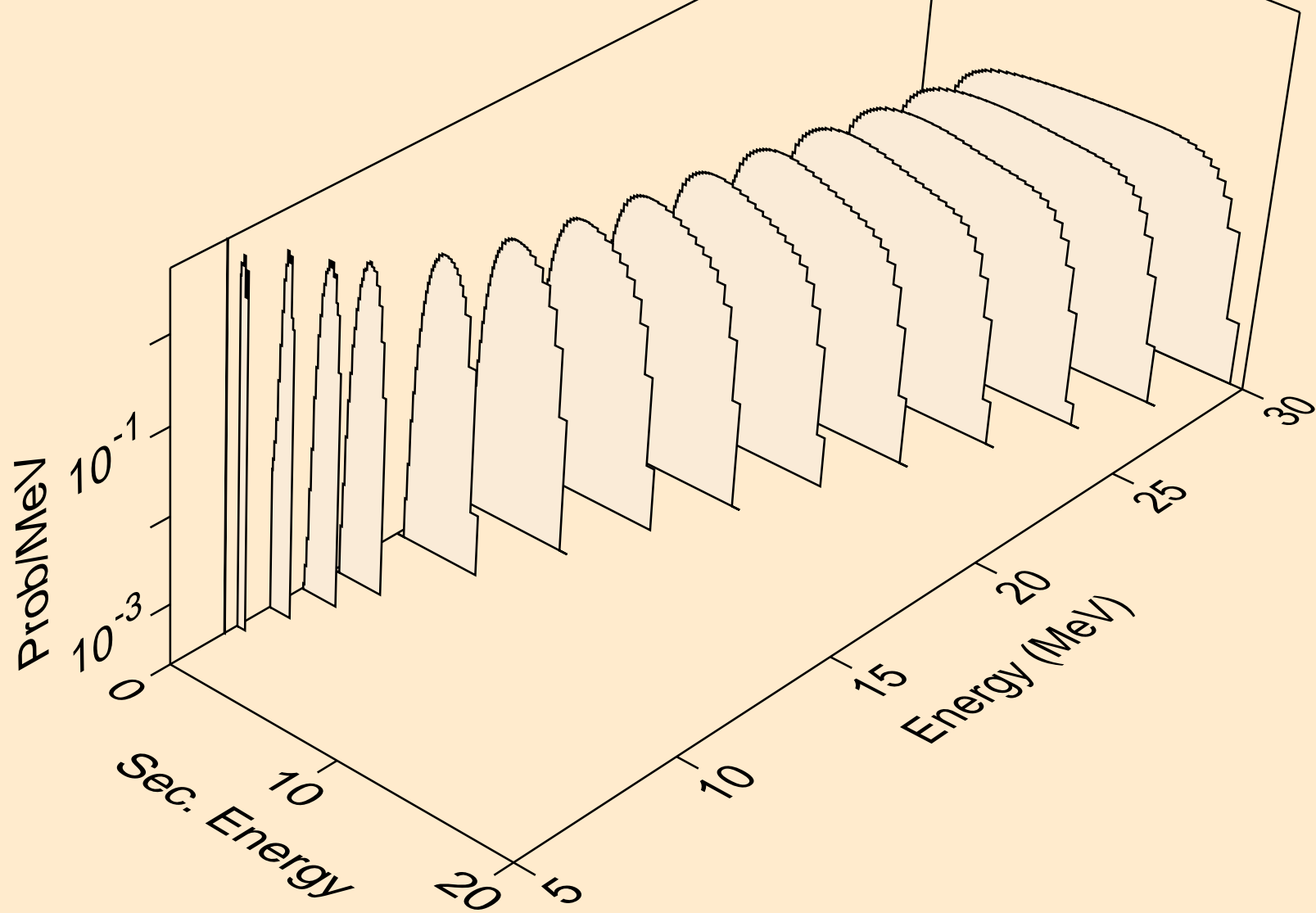
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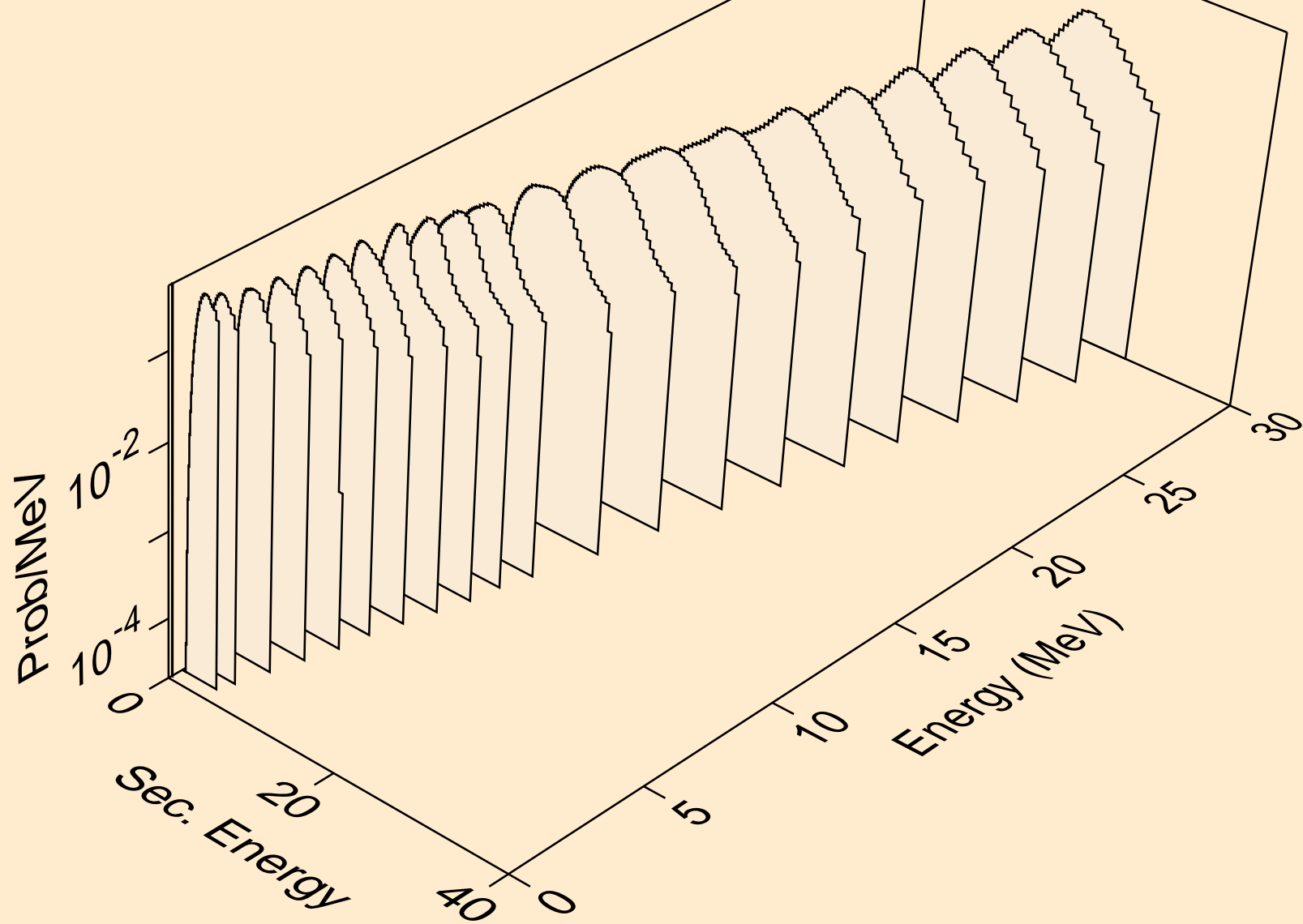
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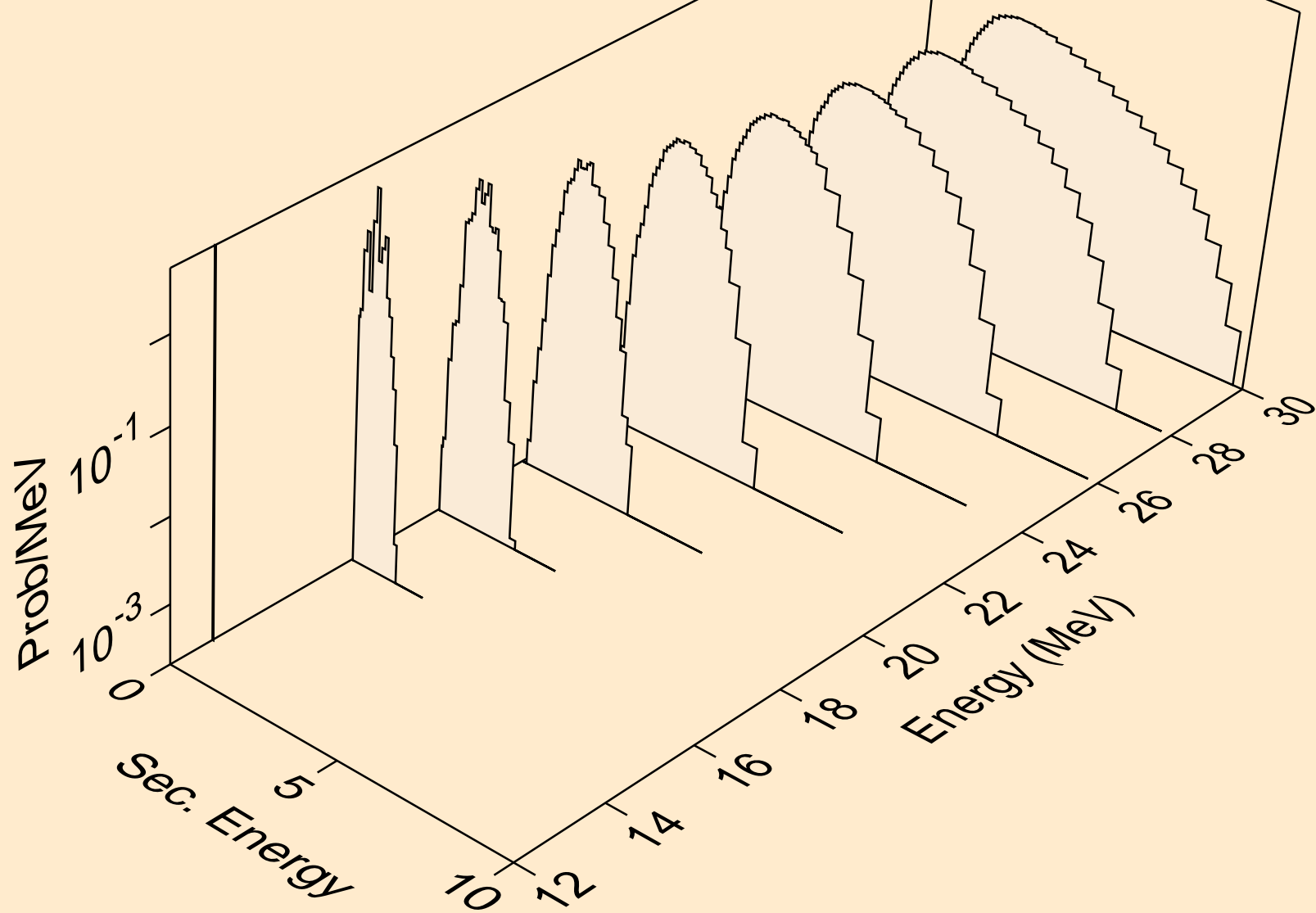
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F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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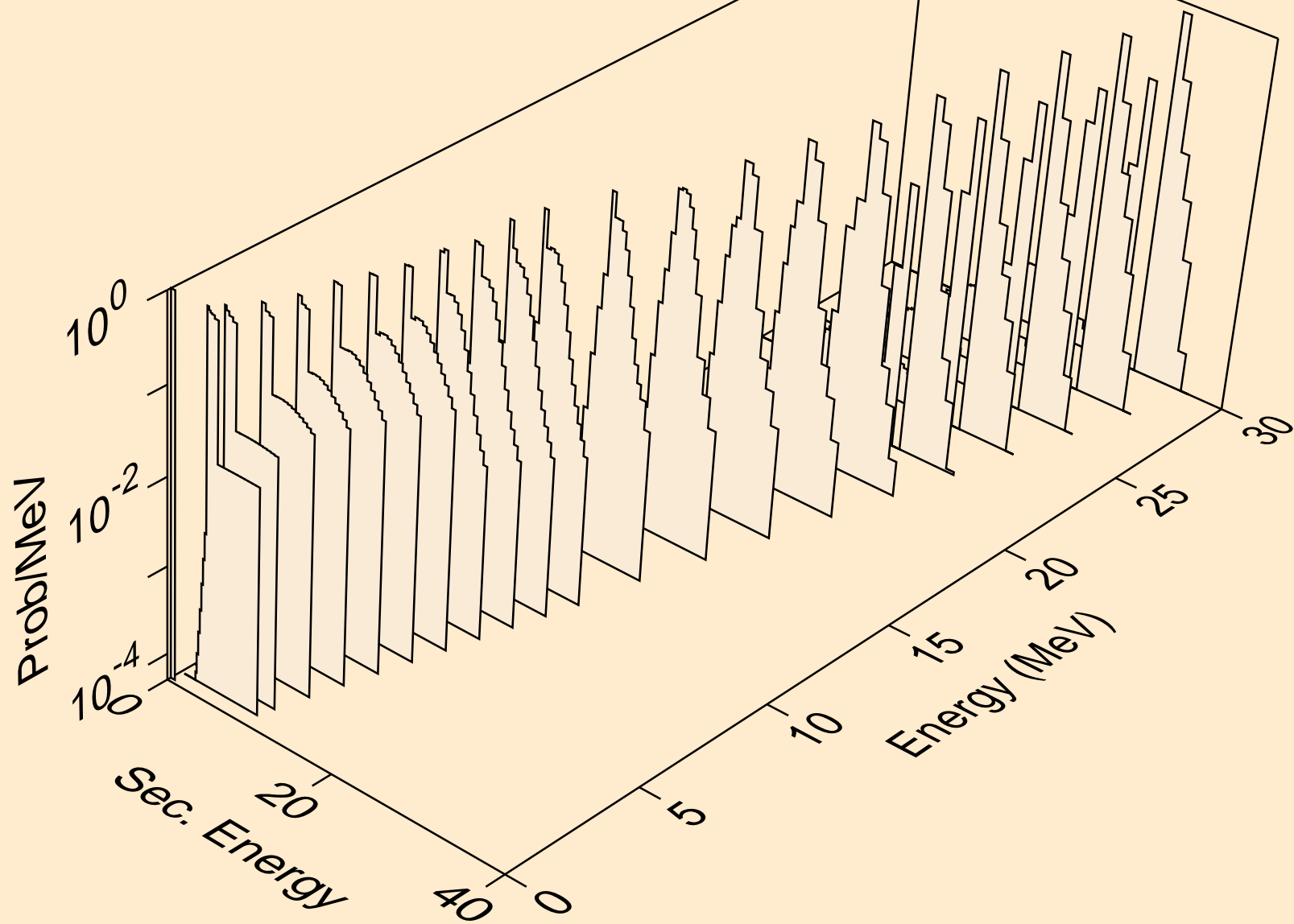


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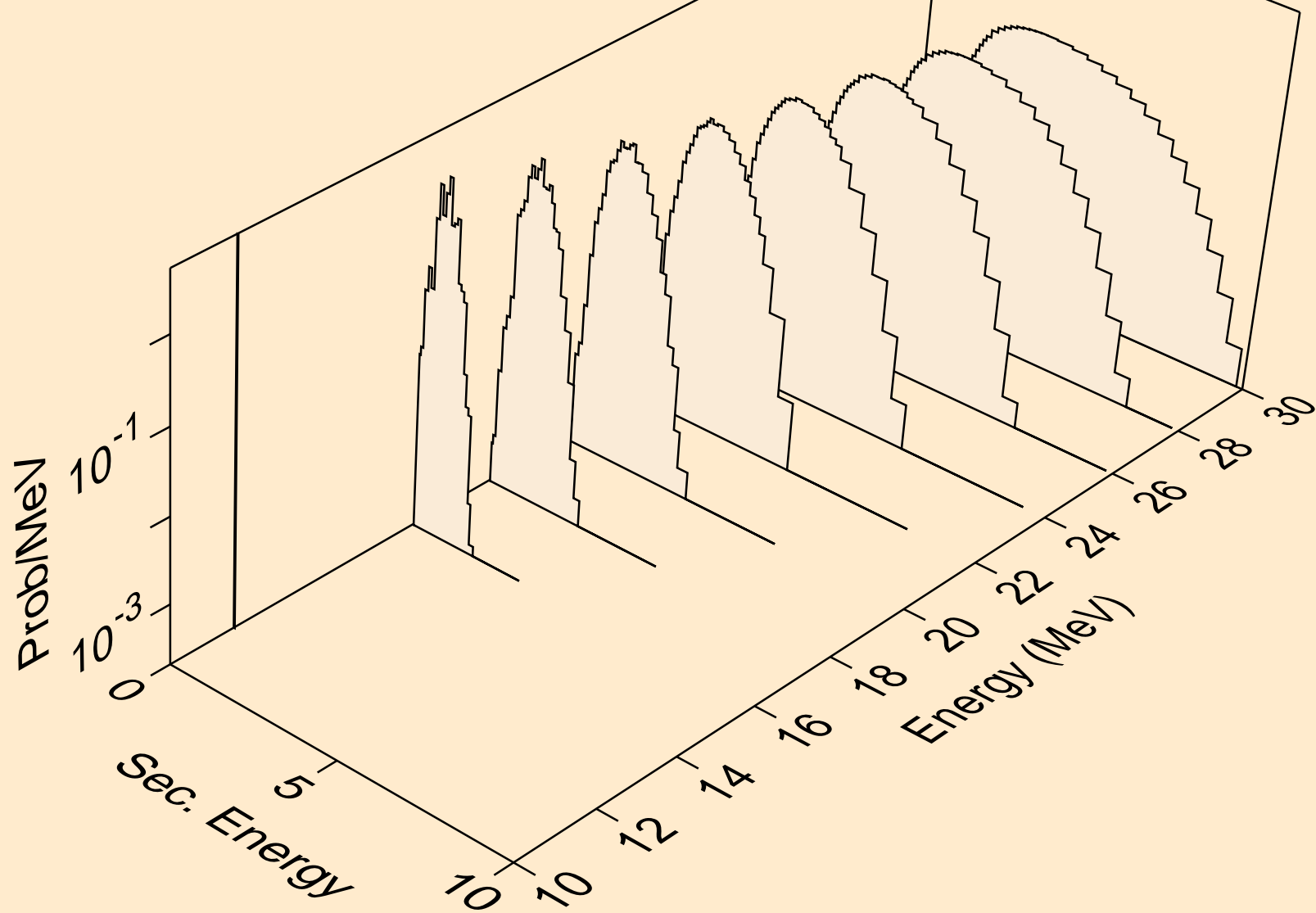




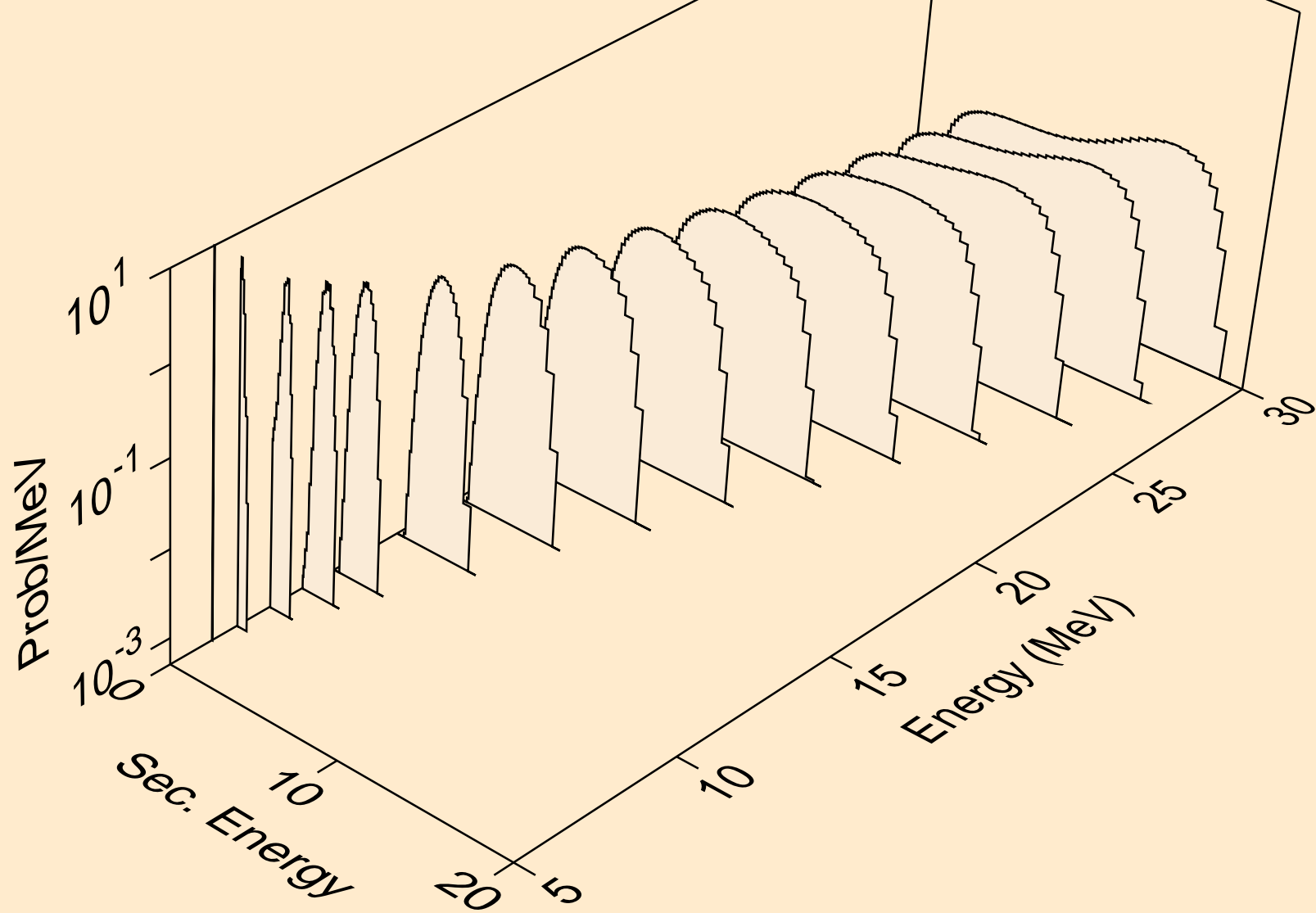
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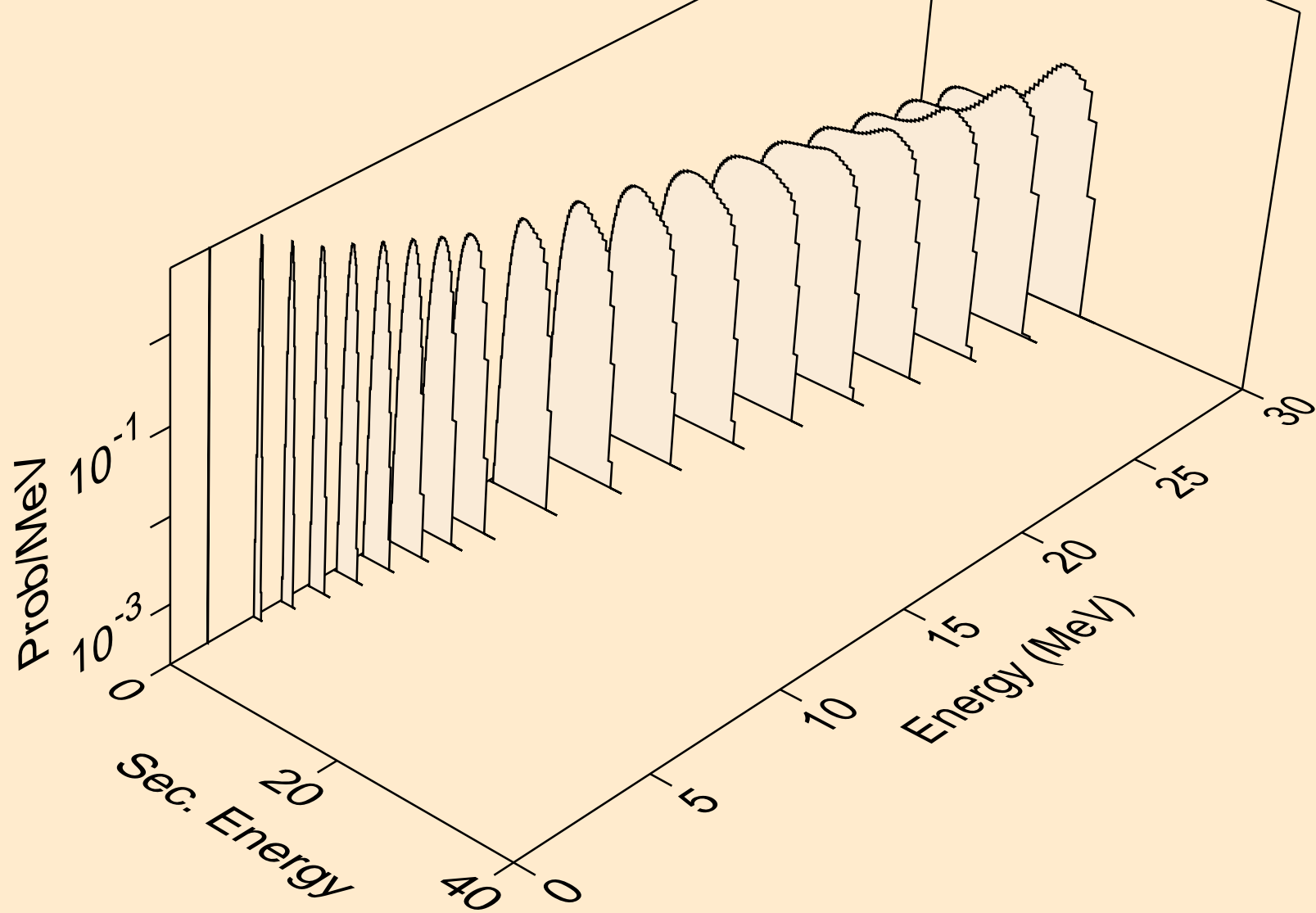
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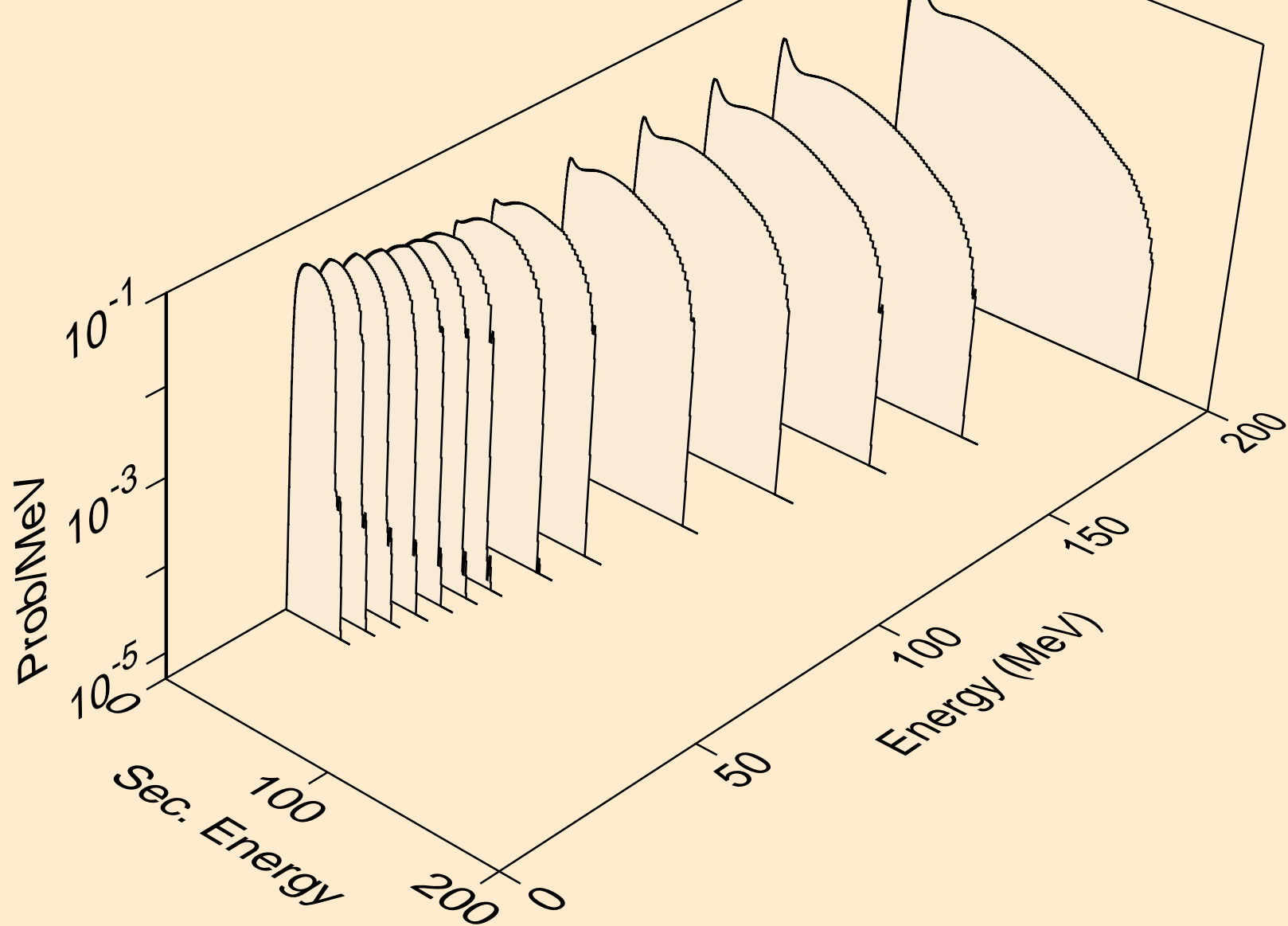
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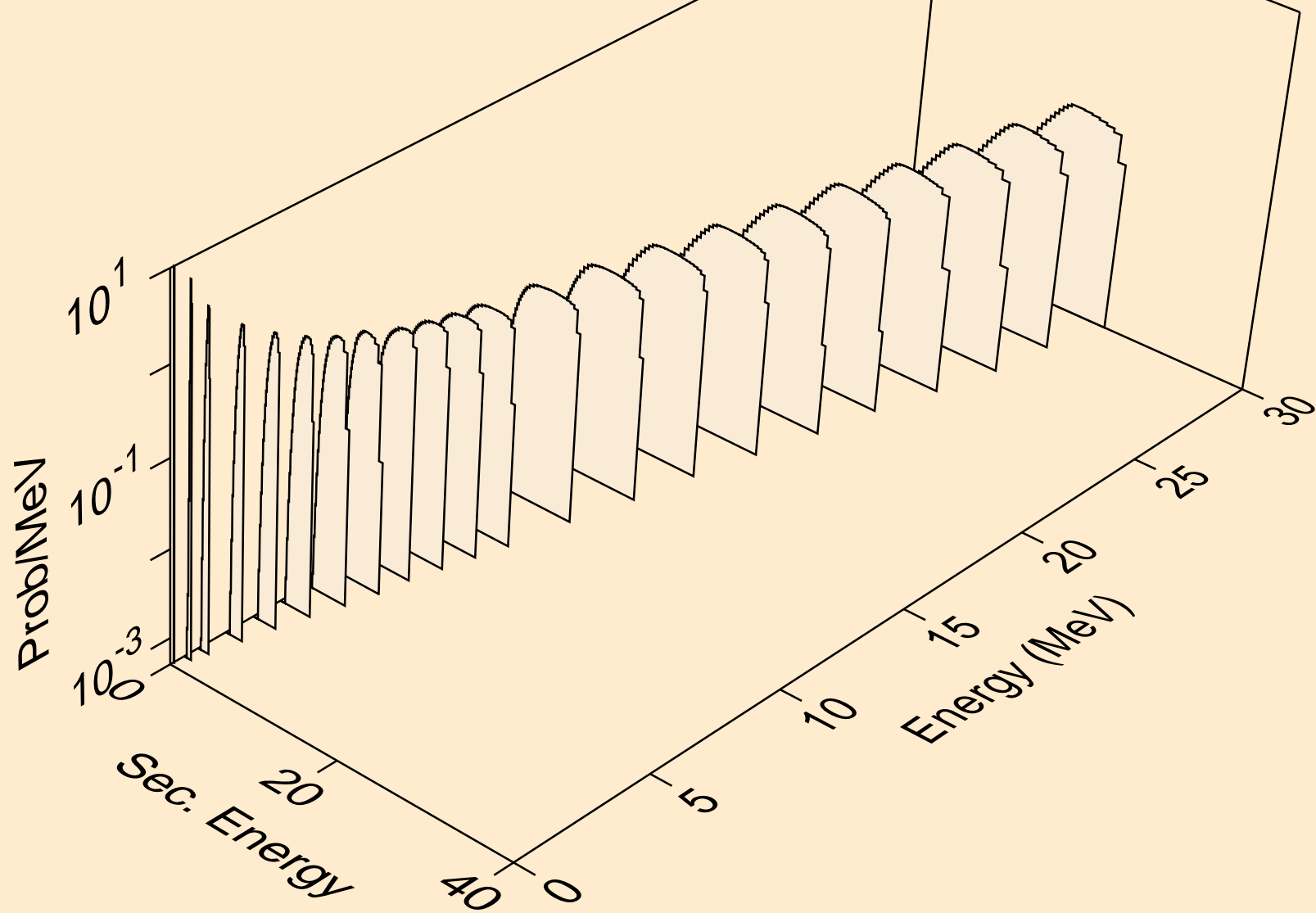
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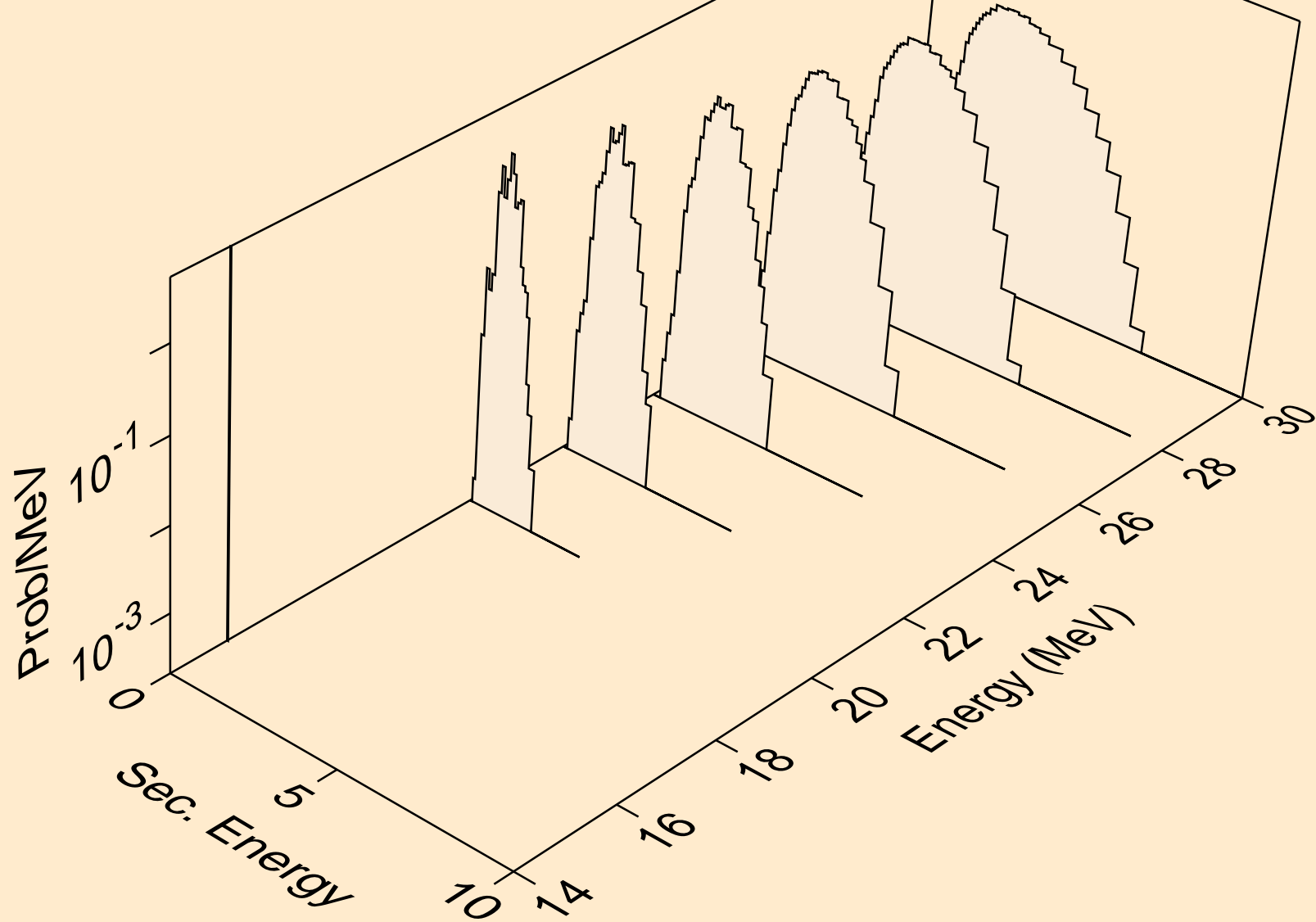
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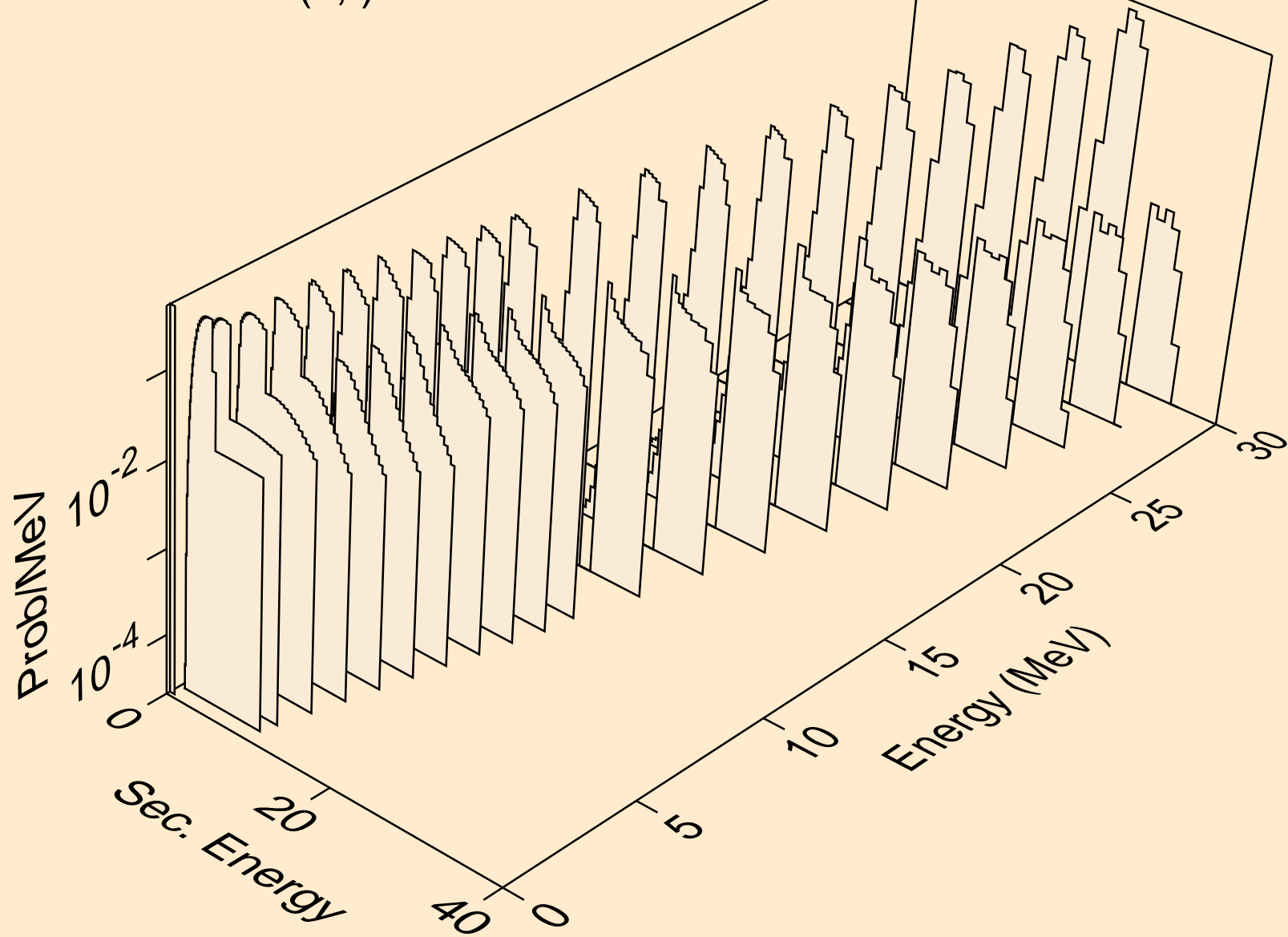
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tritons from (s,n\*)t



F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,n\*)t2a

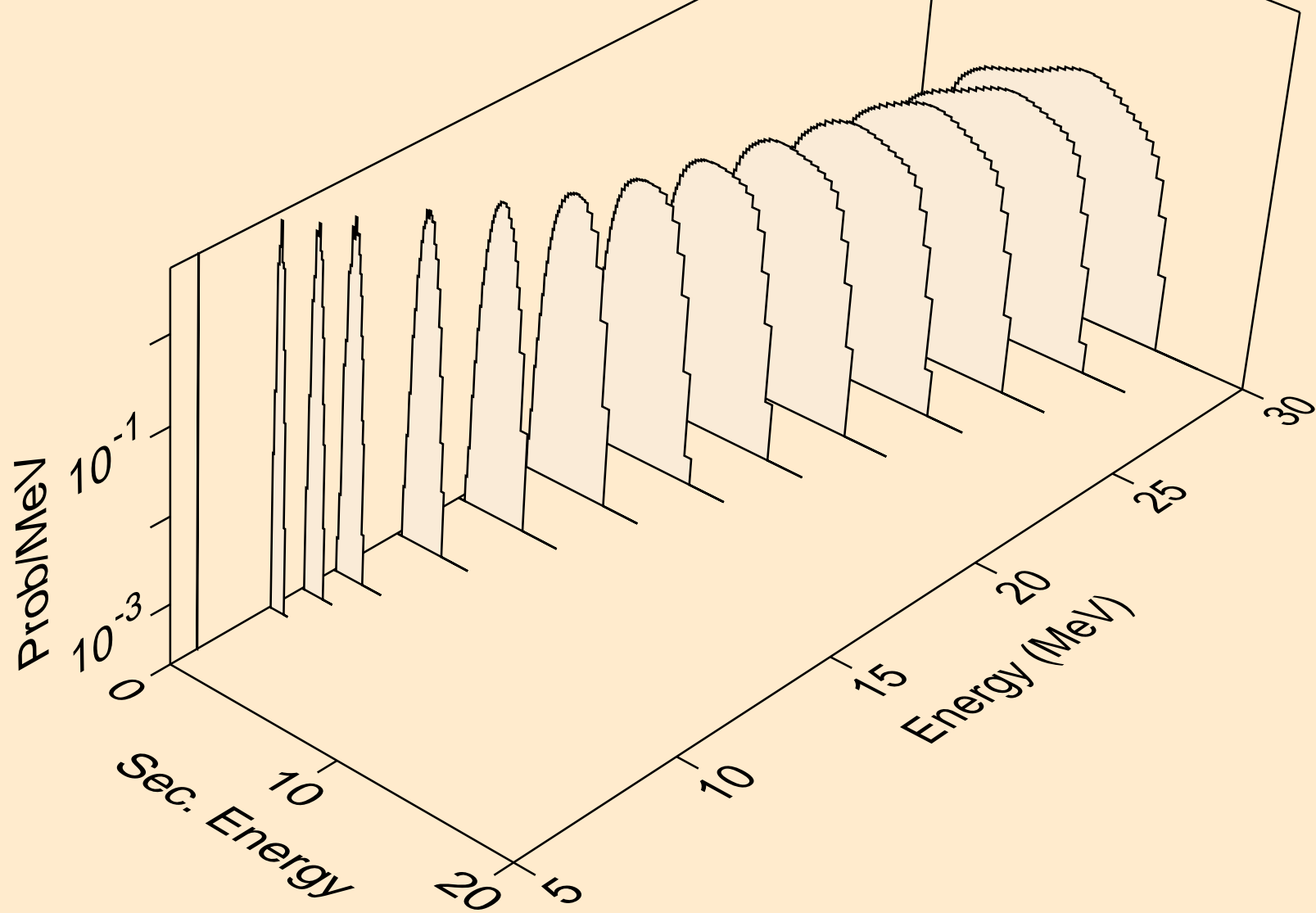


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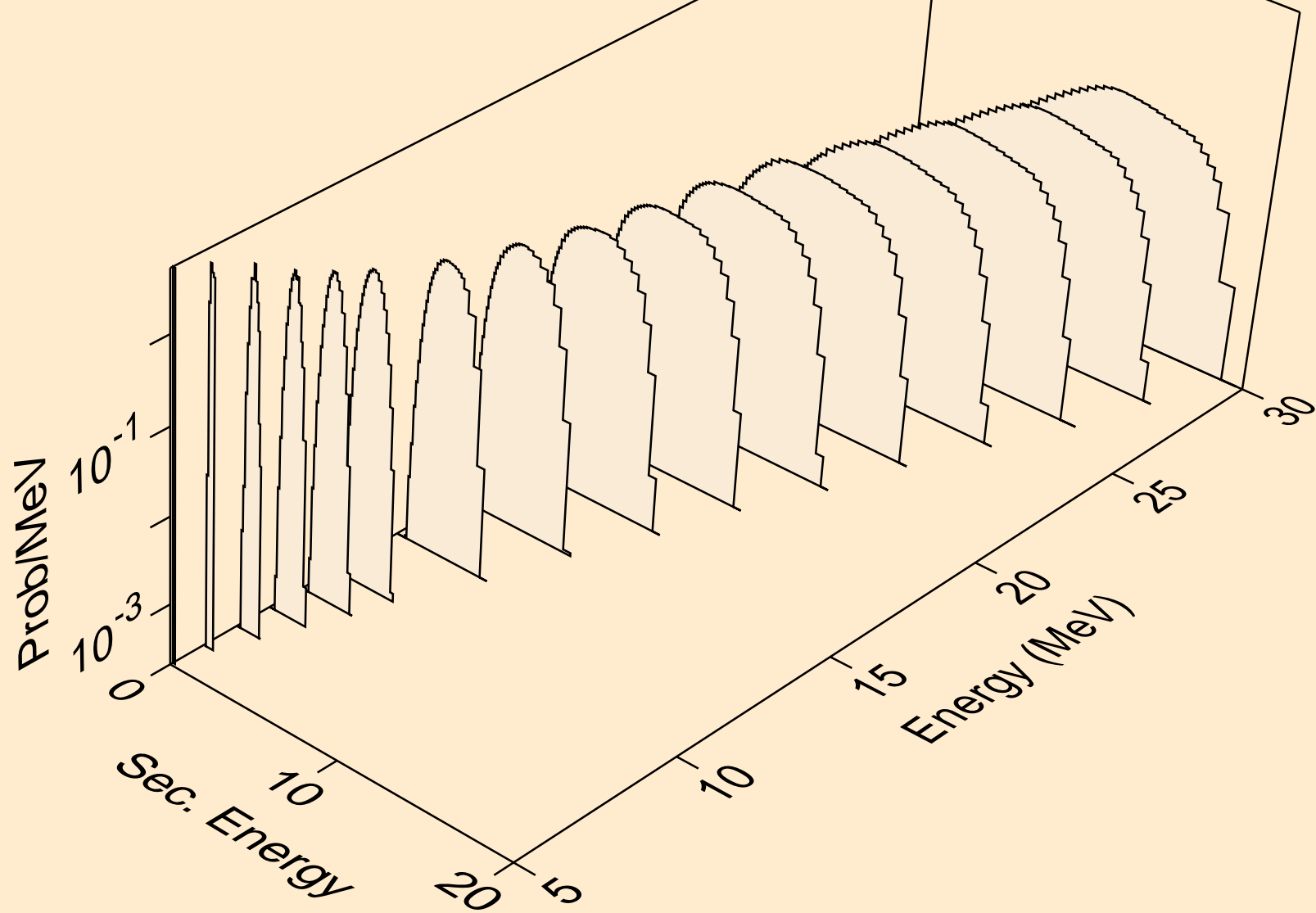




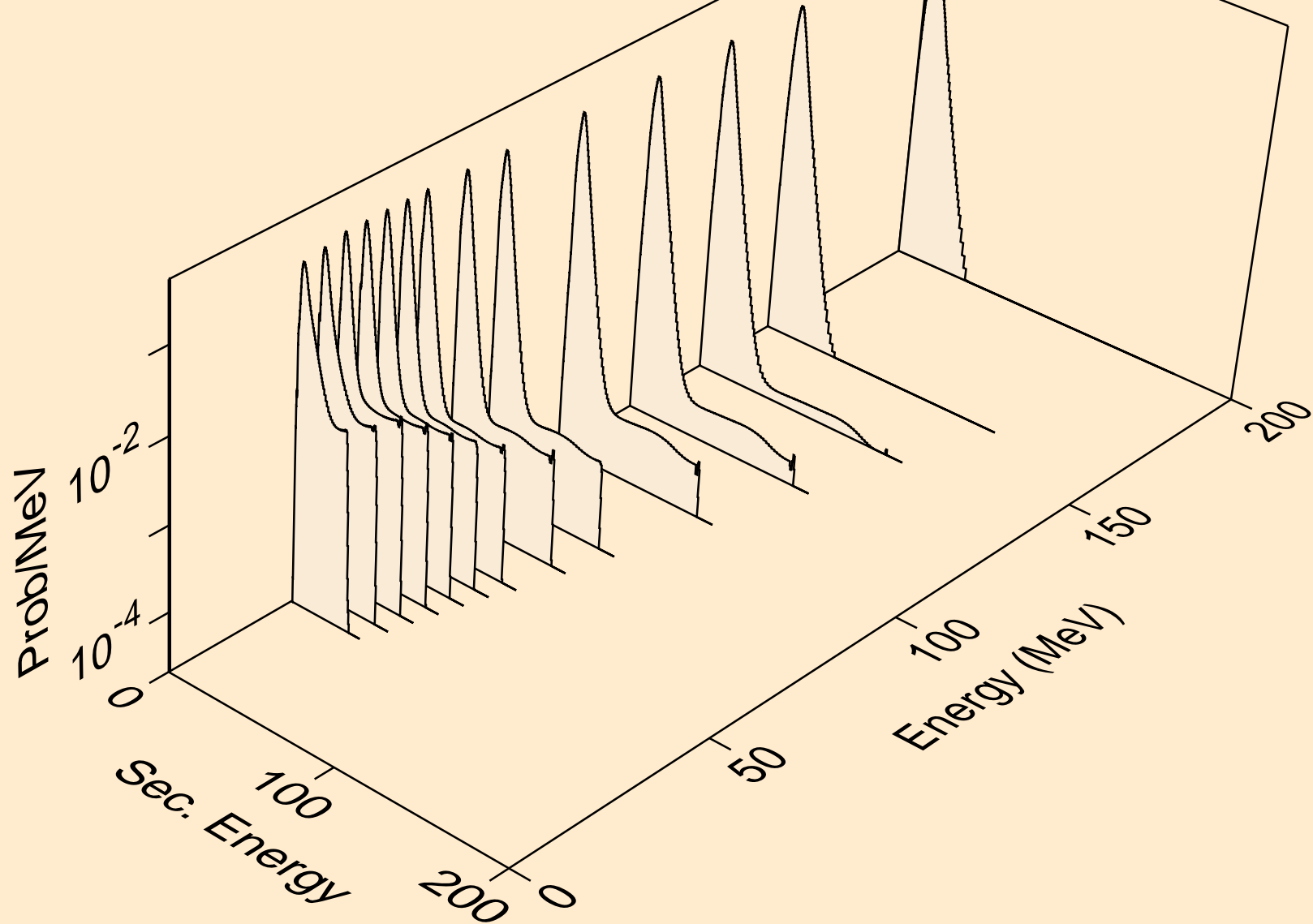
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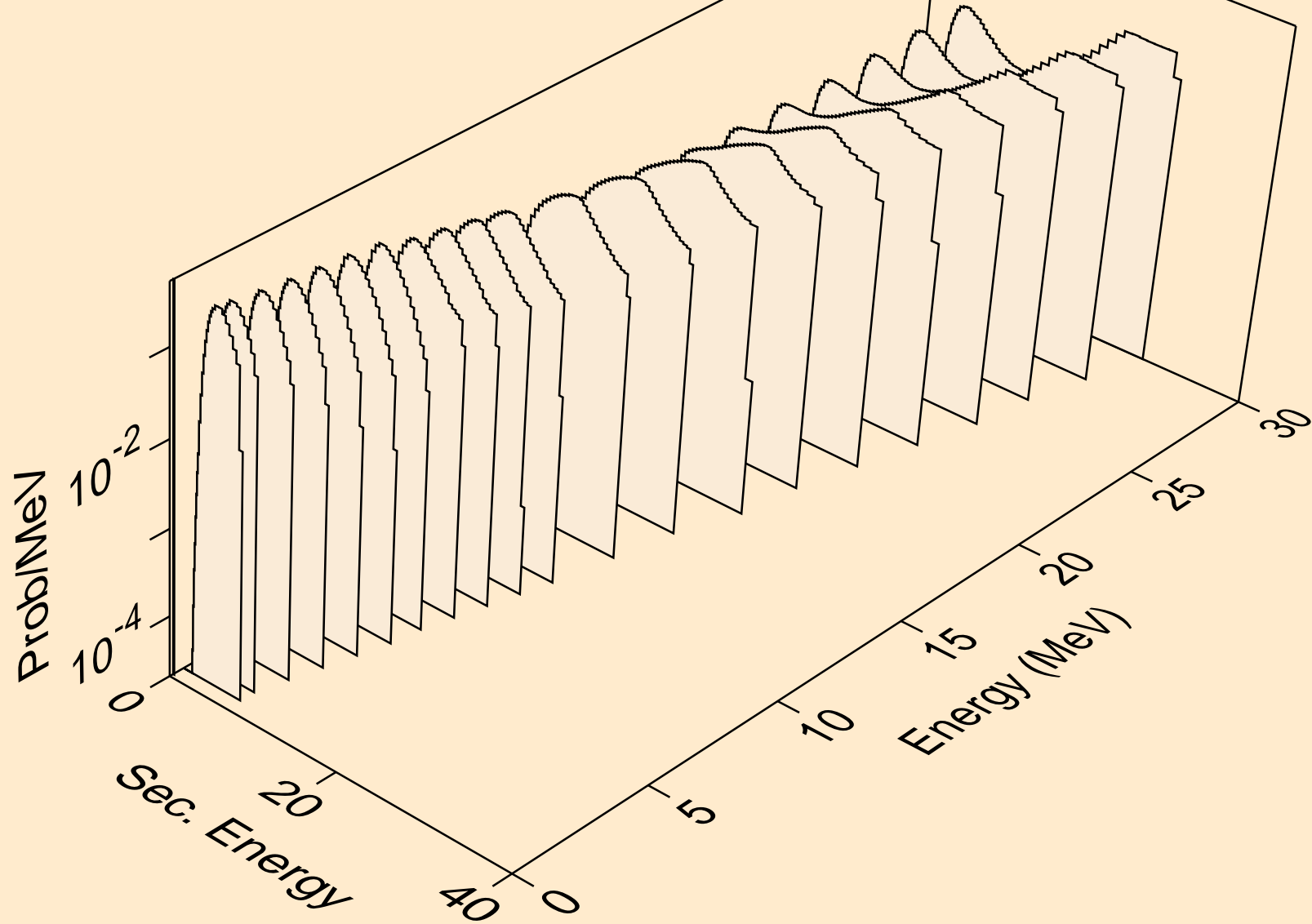
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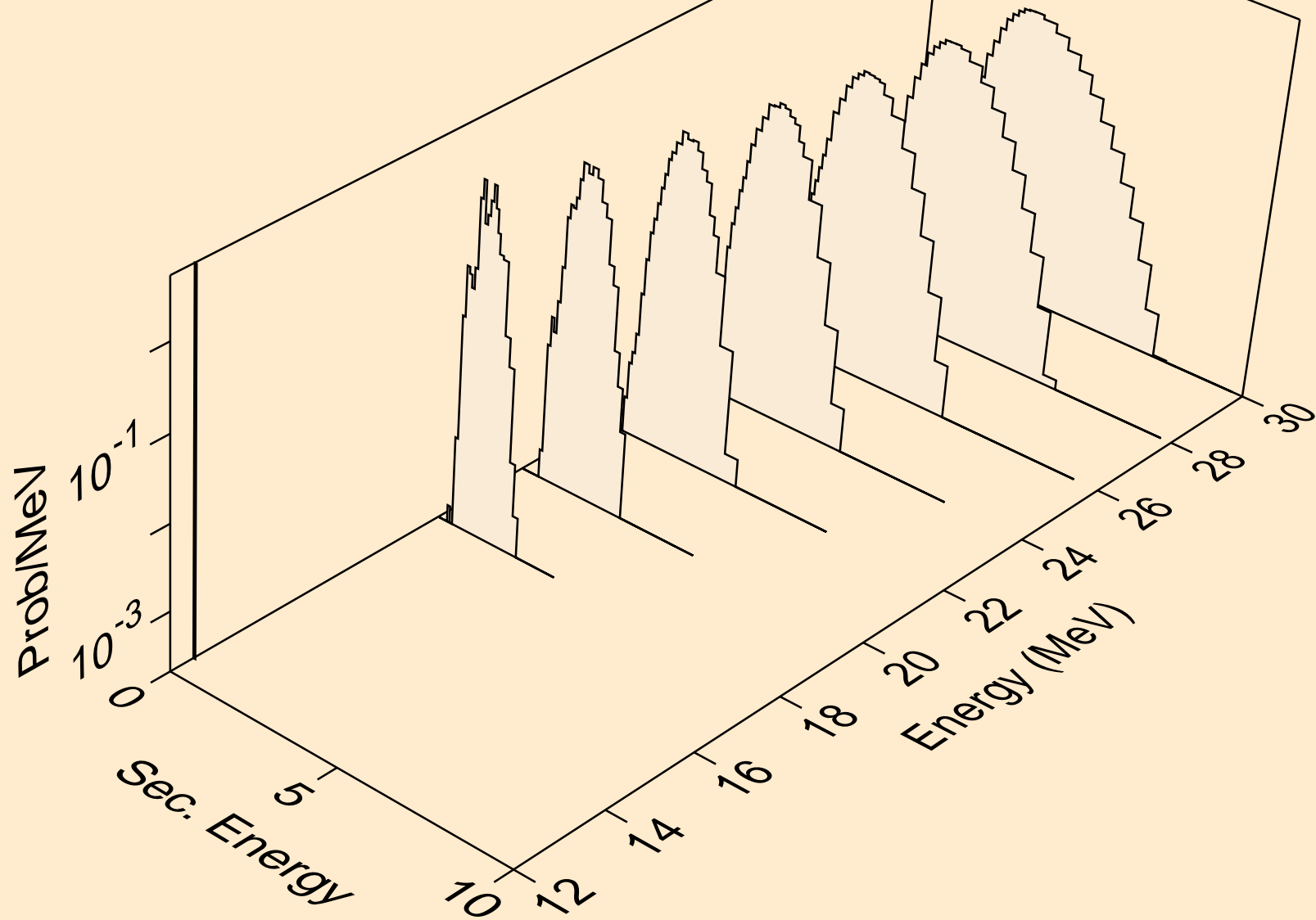
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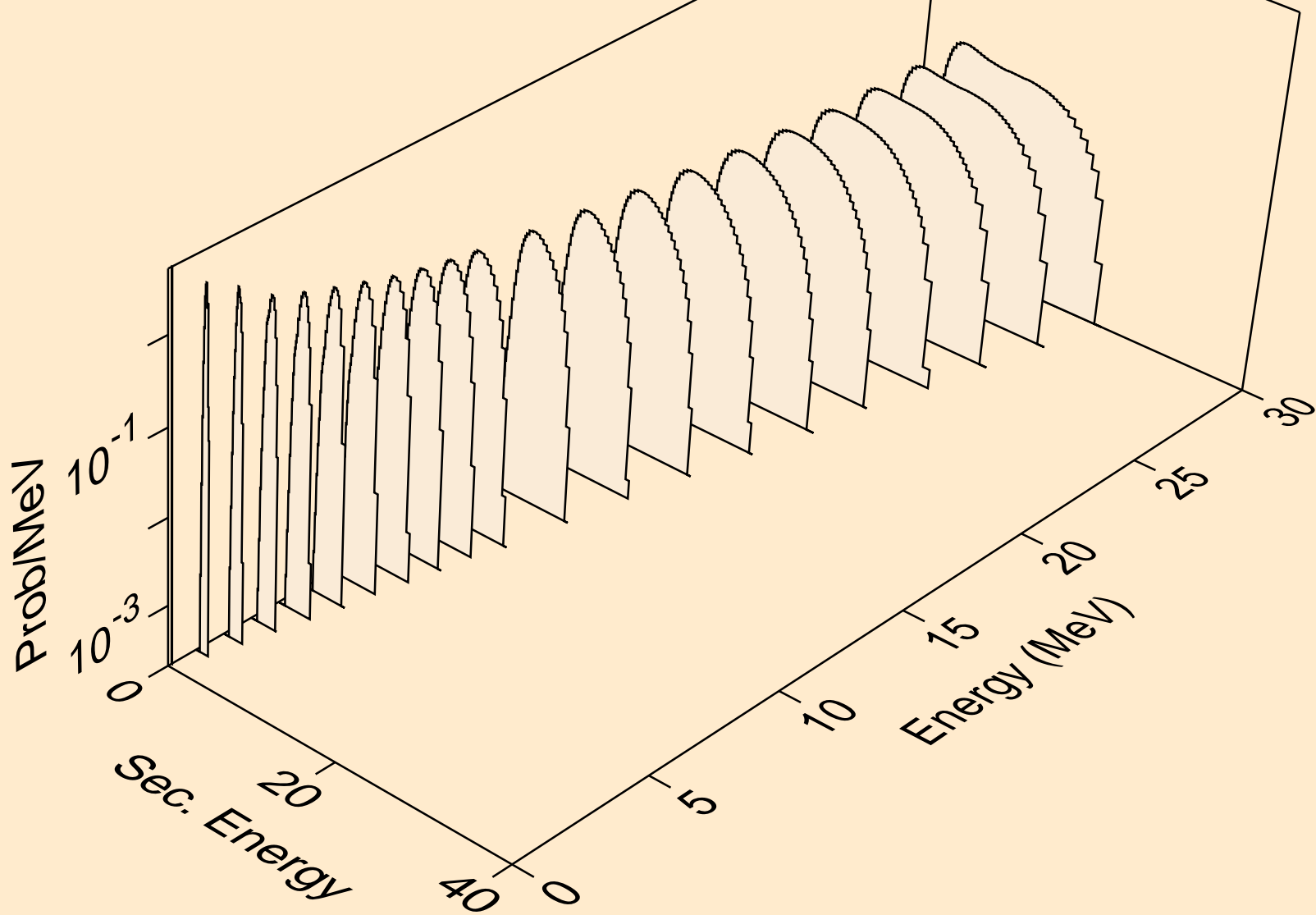
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alphas from (s,n\*)a



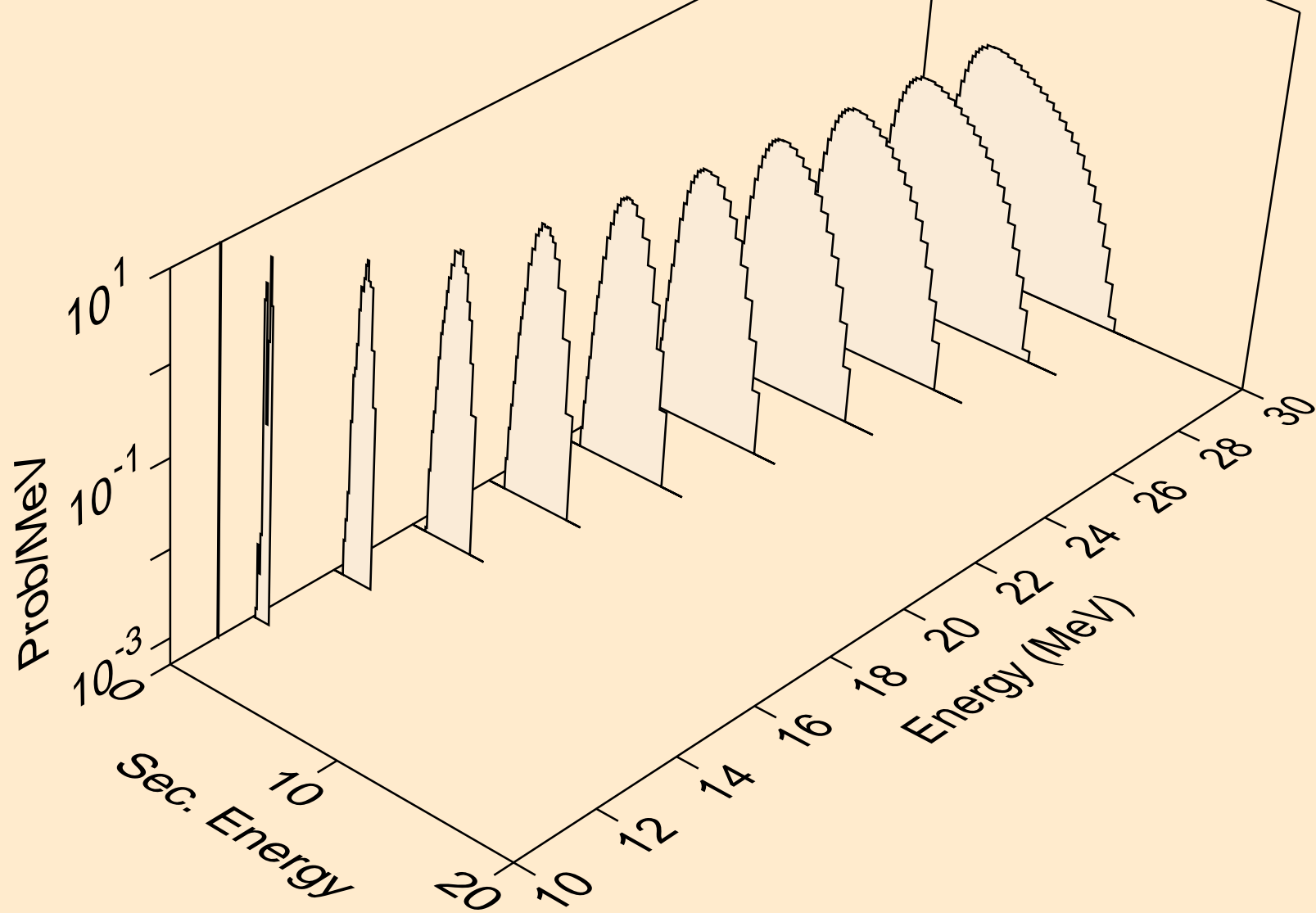
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alphas from (s,n\*)3a



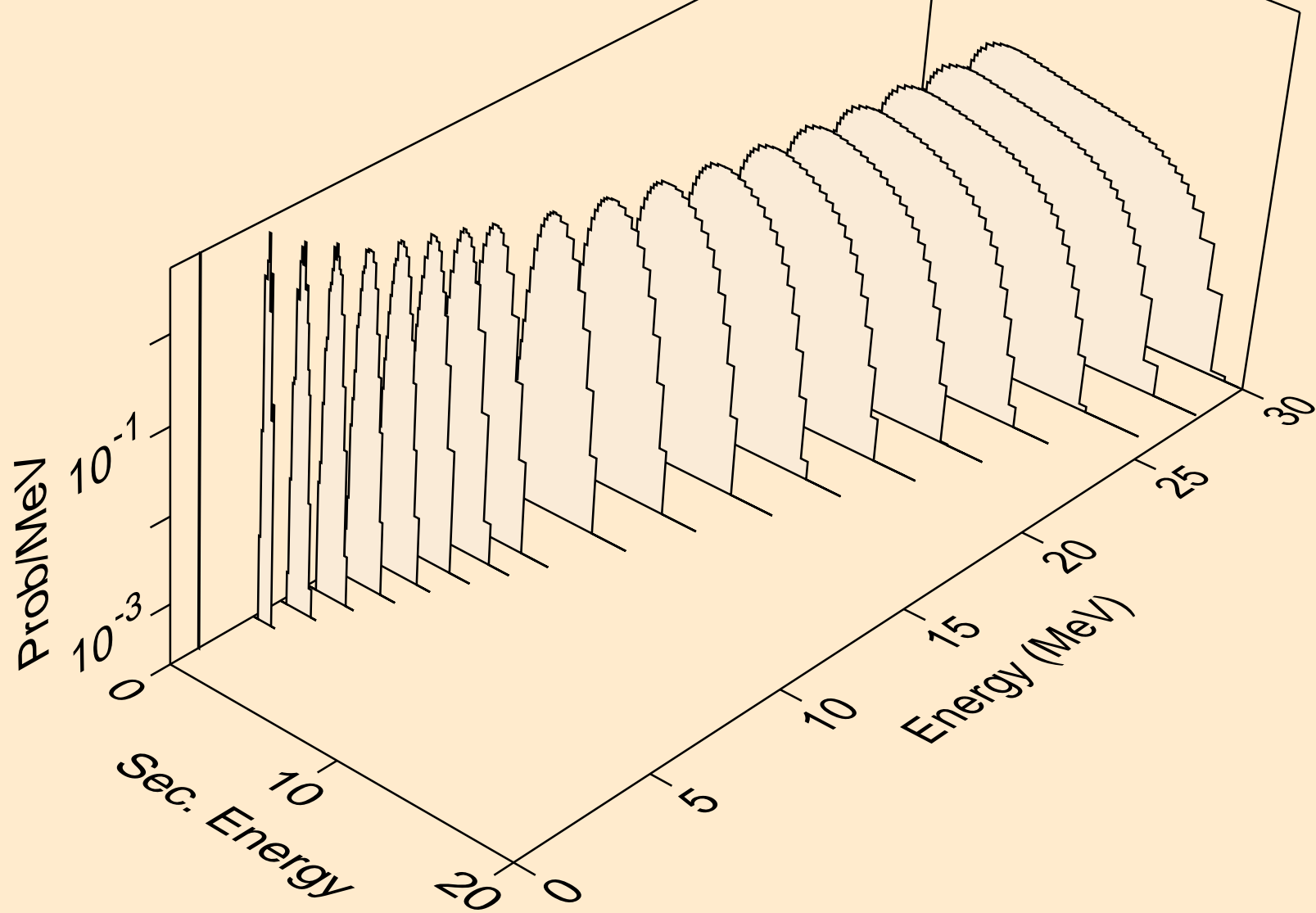
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alphas from (s,2n)a



F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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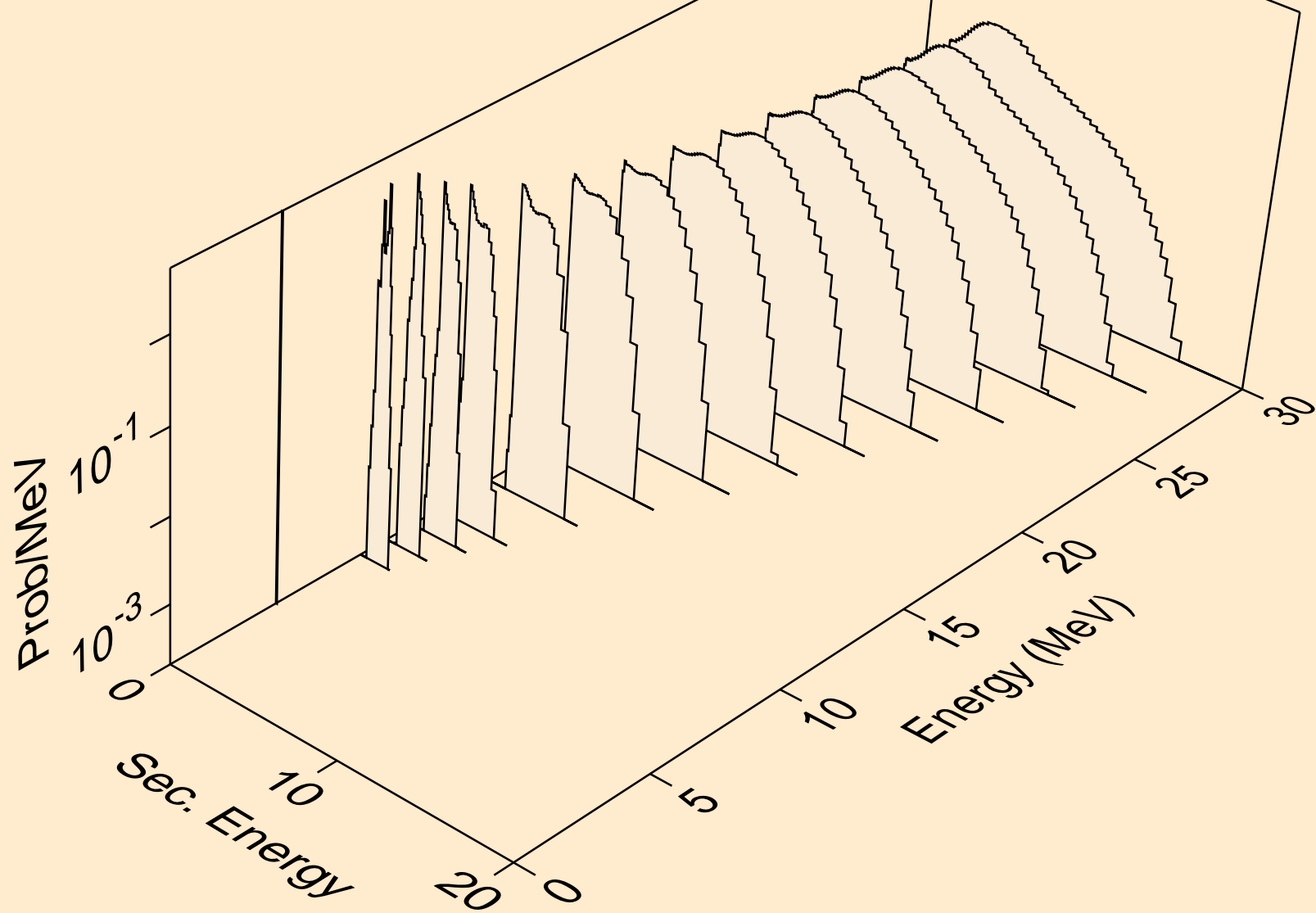


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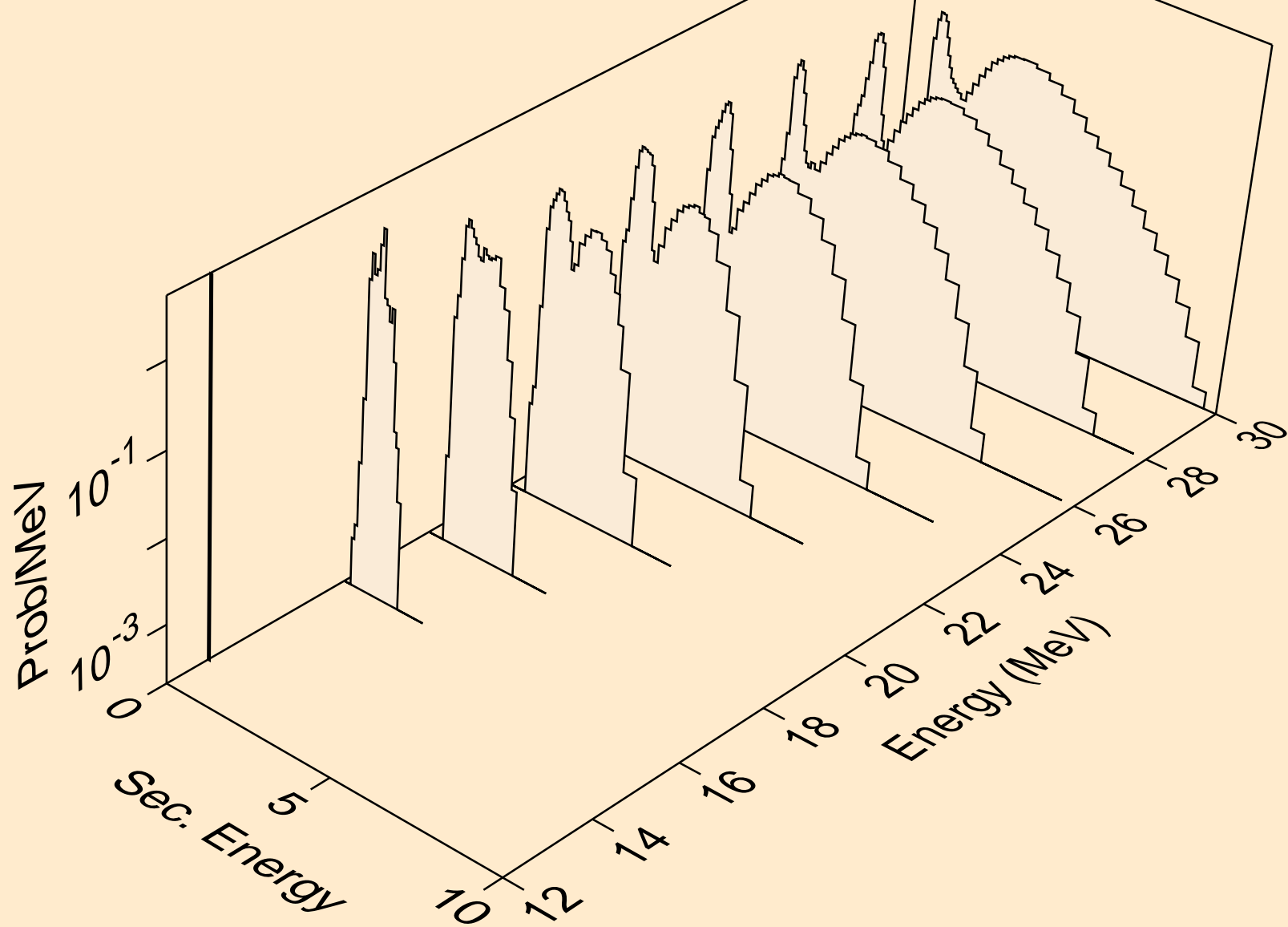




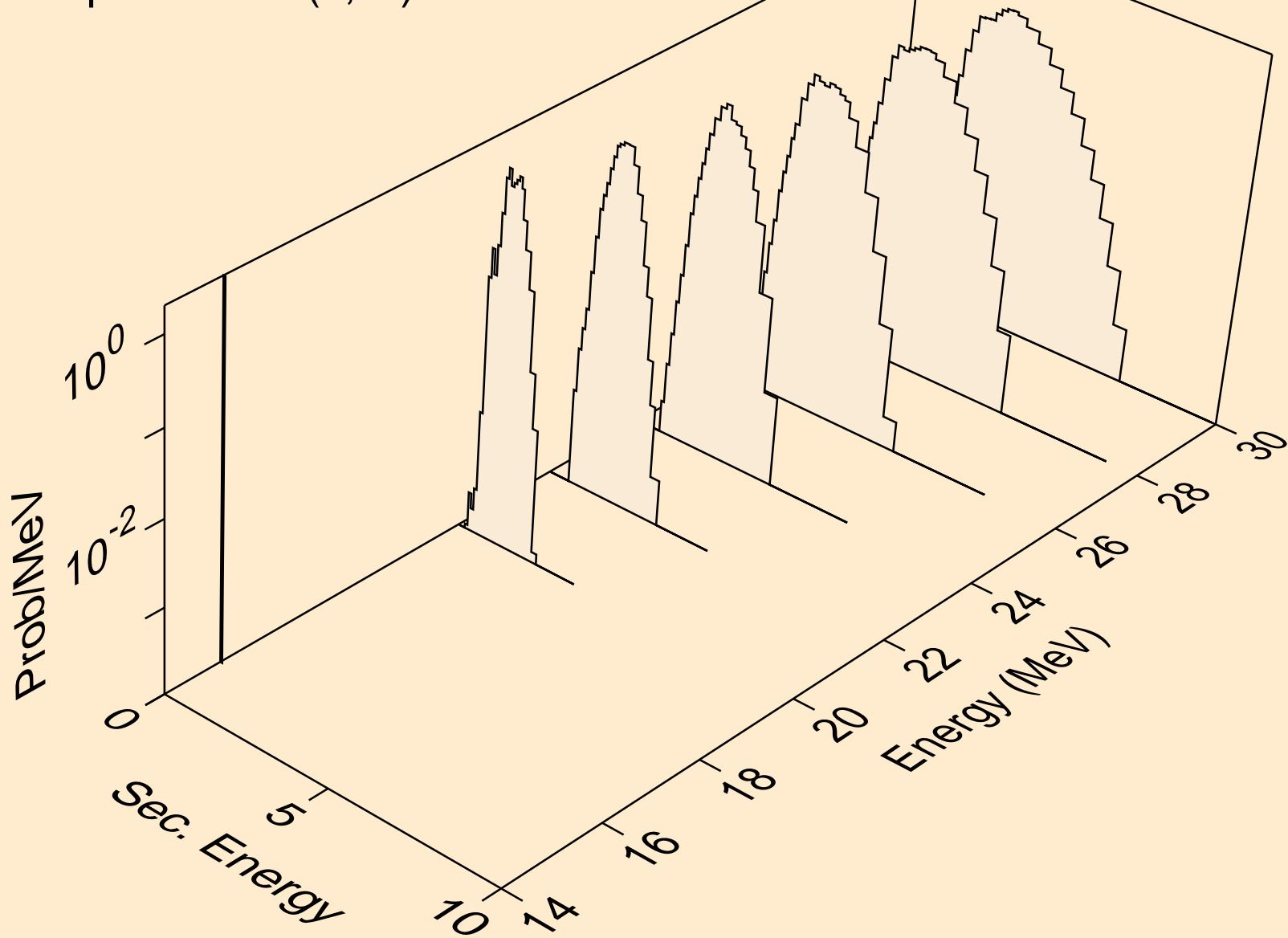
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alphas from (s,2n)2a



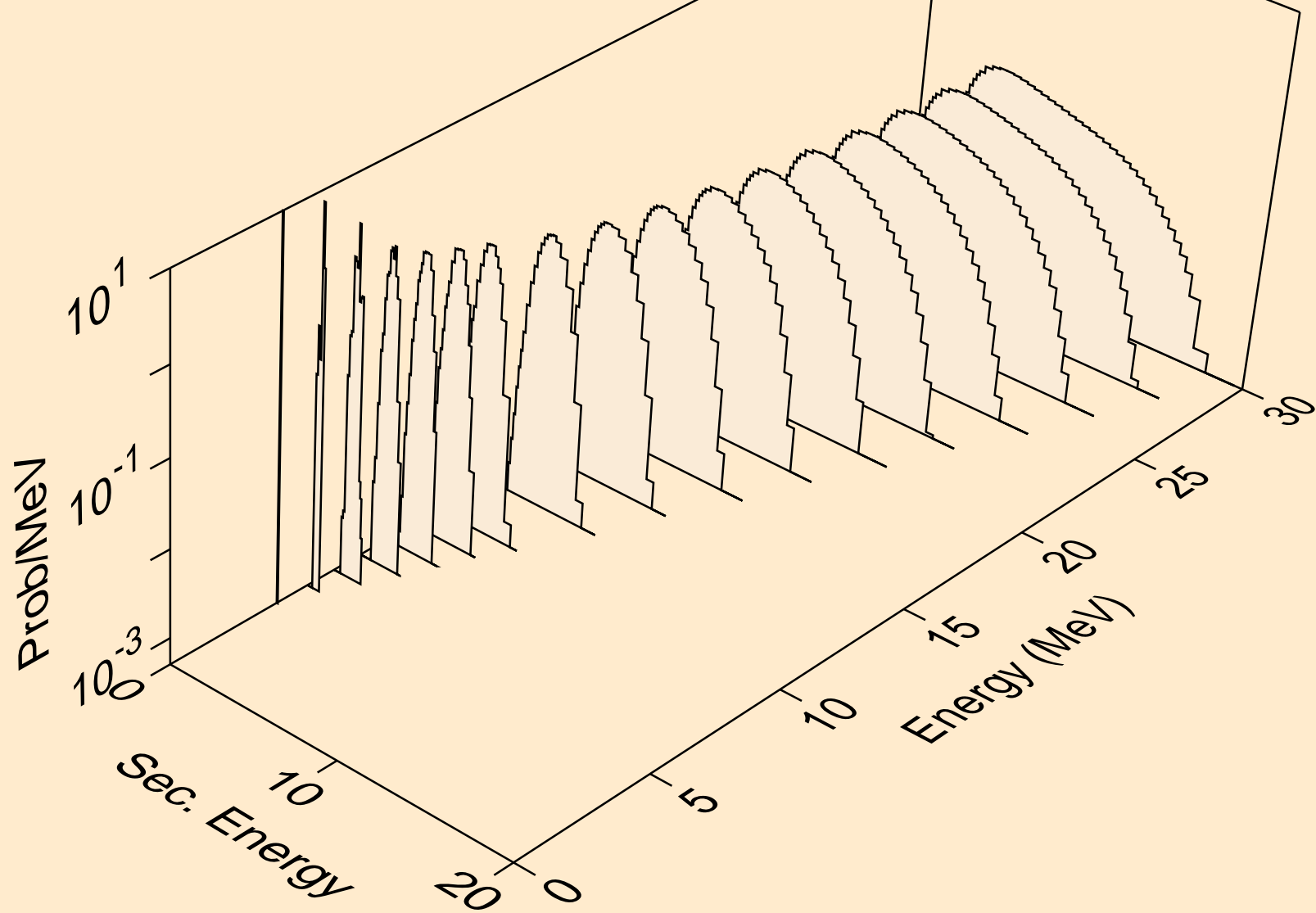
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alphas from (s,n\*)d2a



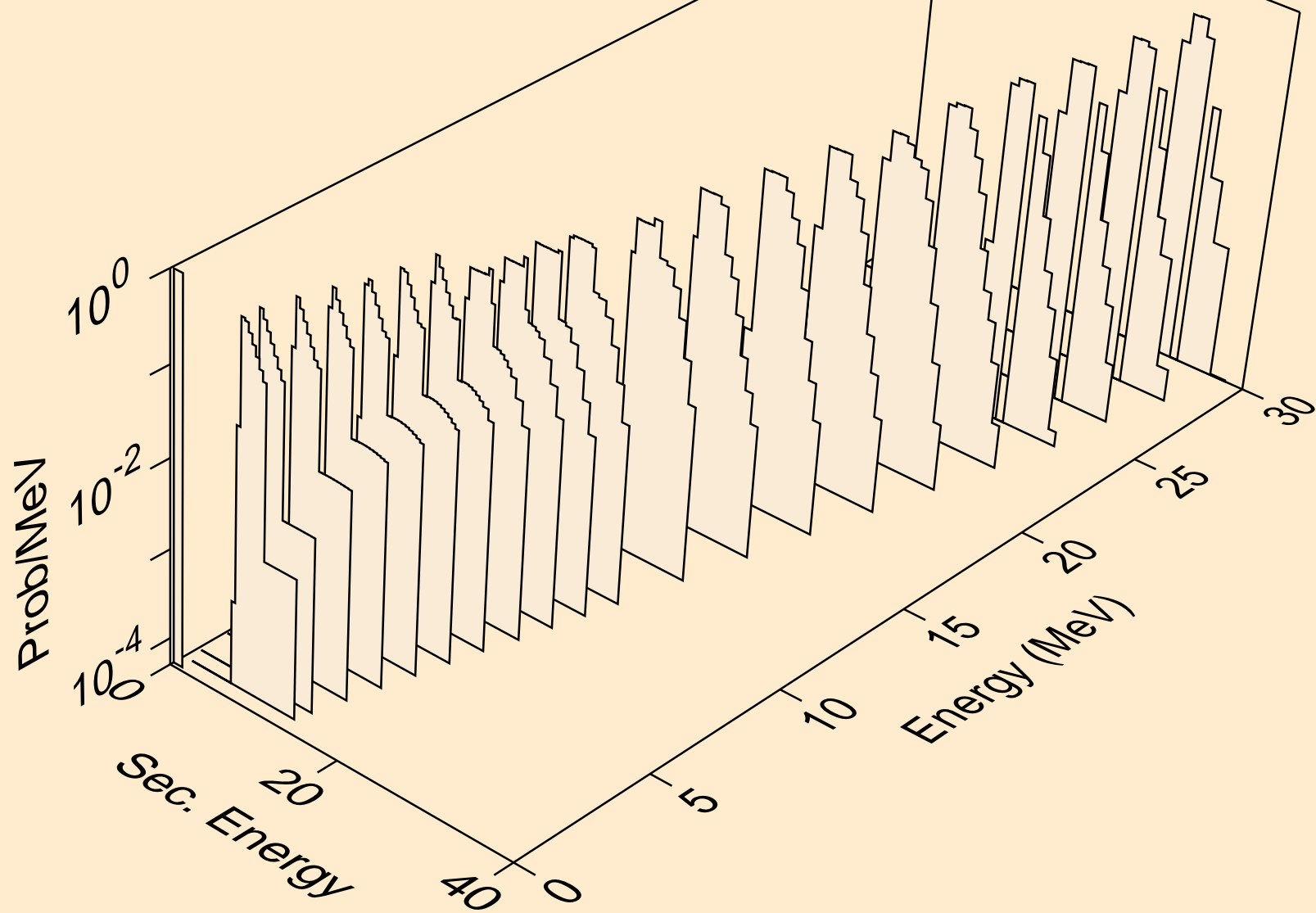
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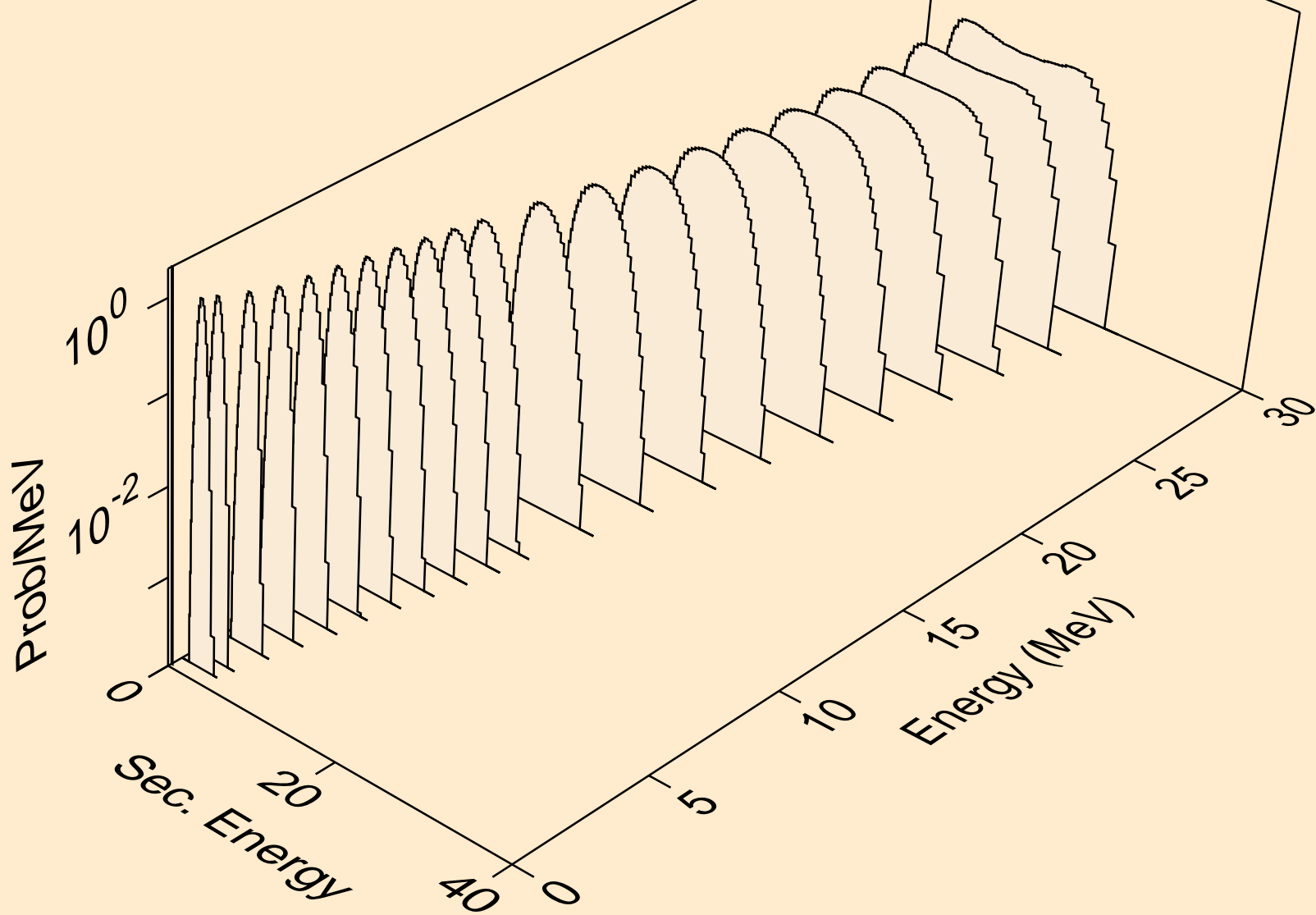
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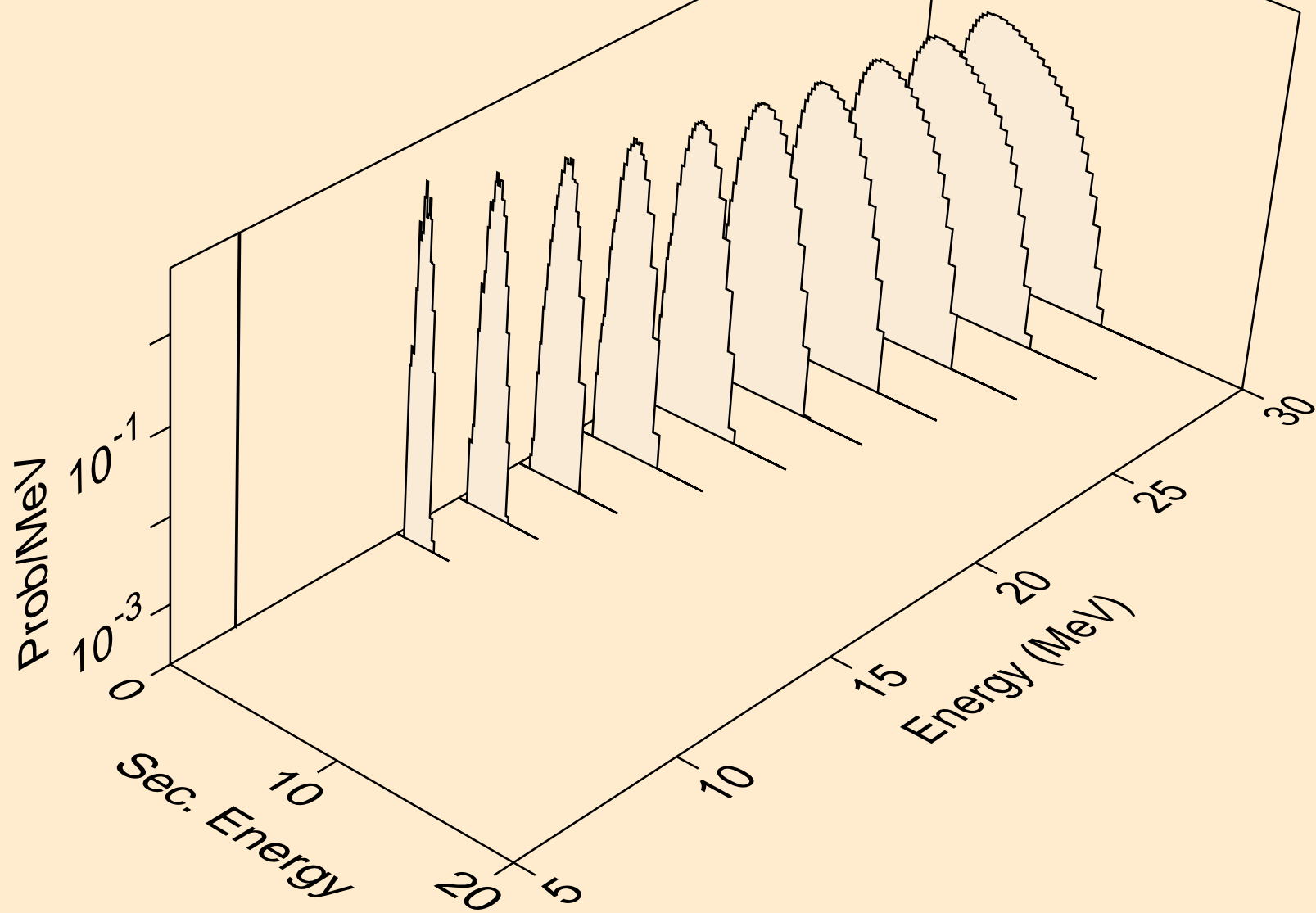
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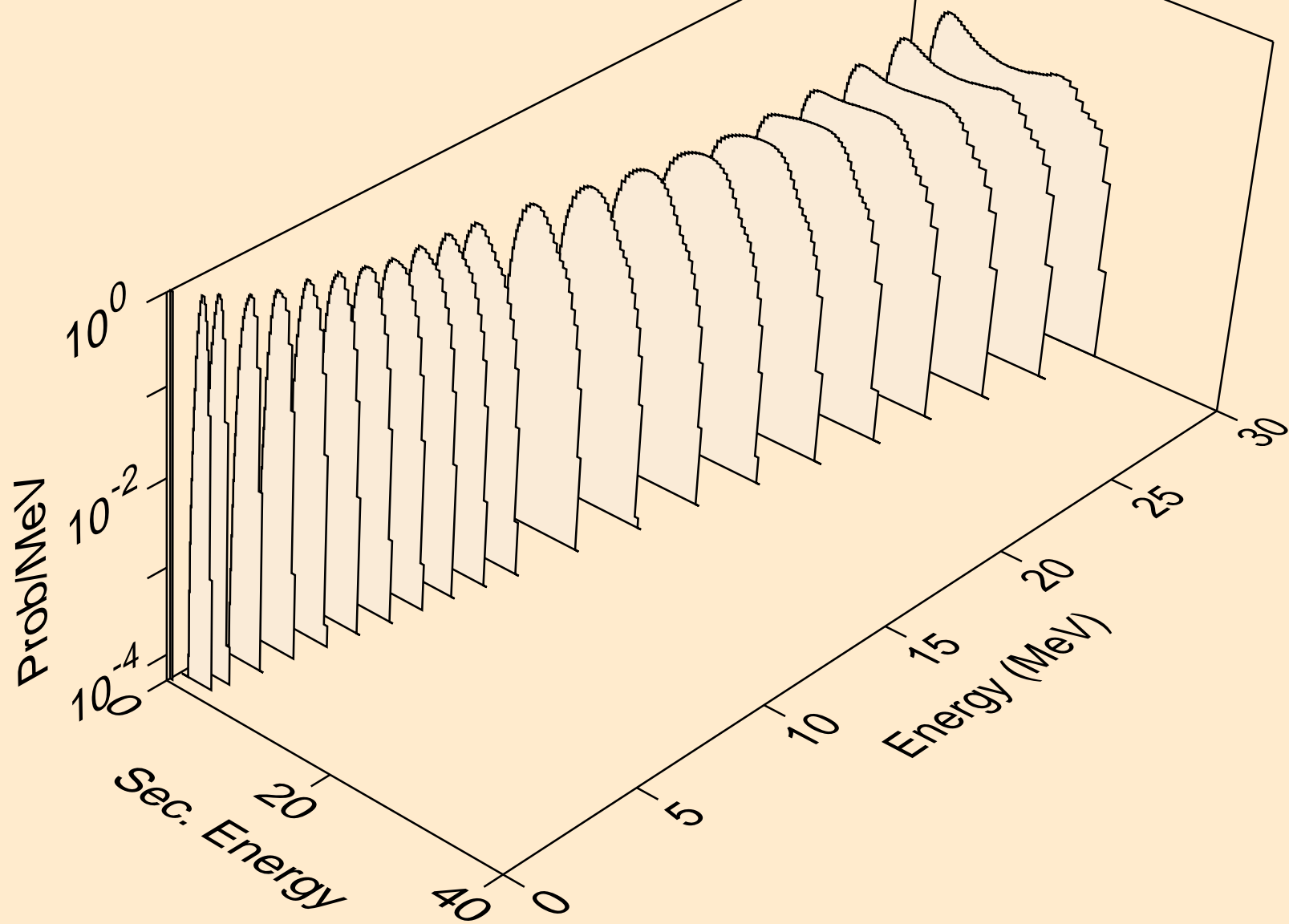
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alphas from (s,2a)



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alphas from (s,3a)

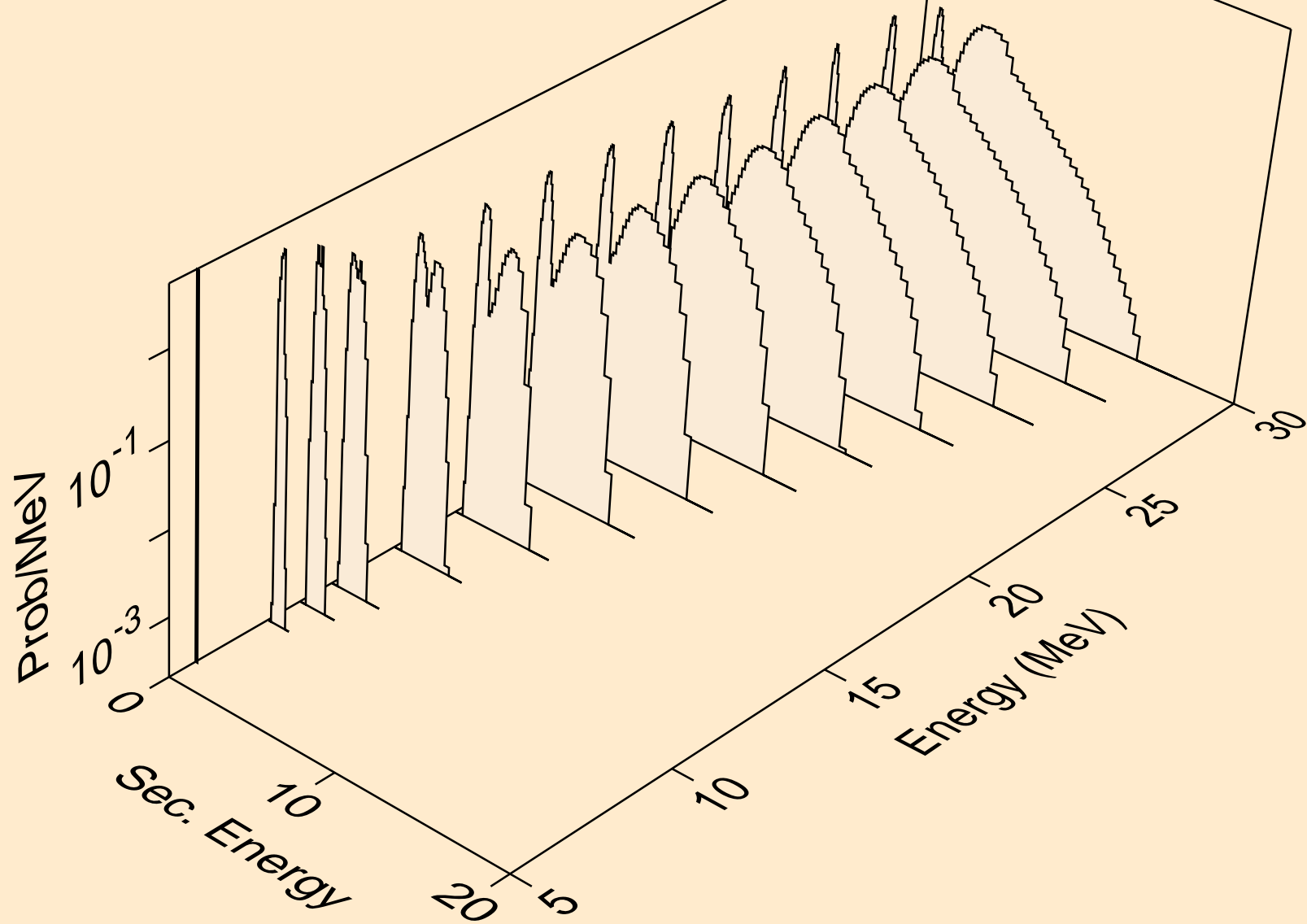


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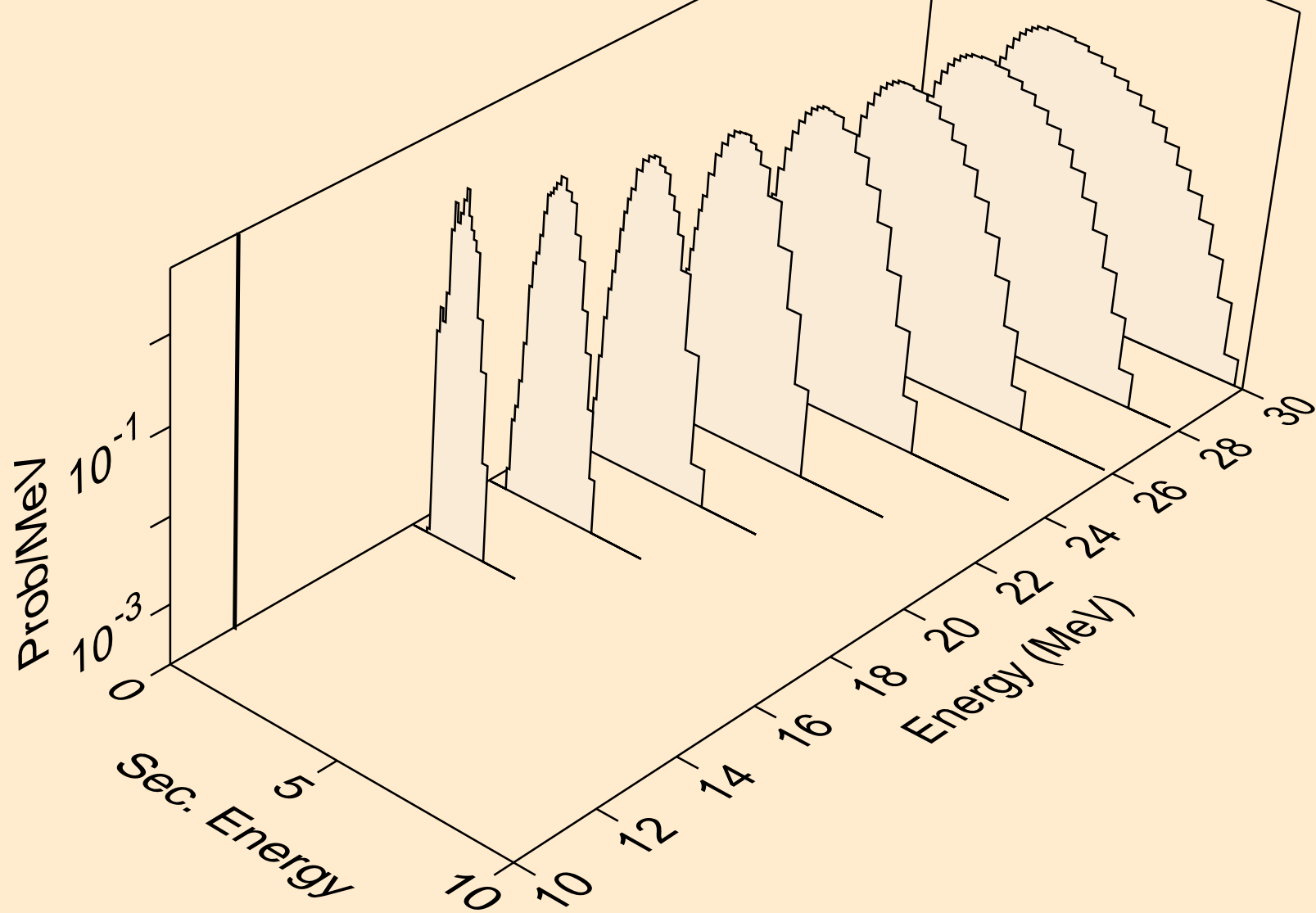




F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,t2a)



F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,d2a)



F022 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

