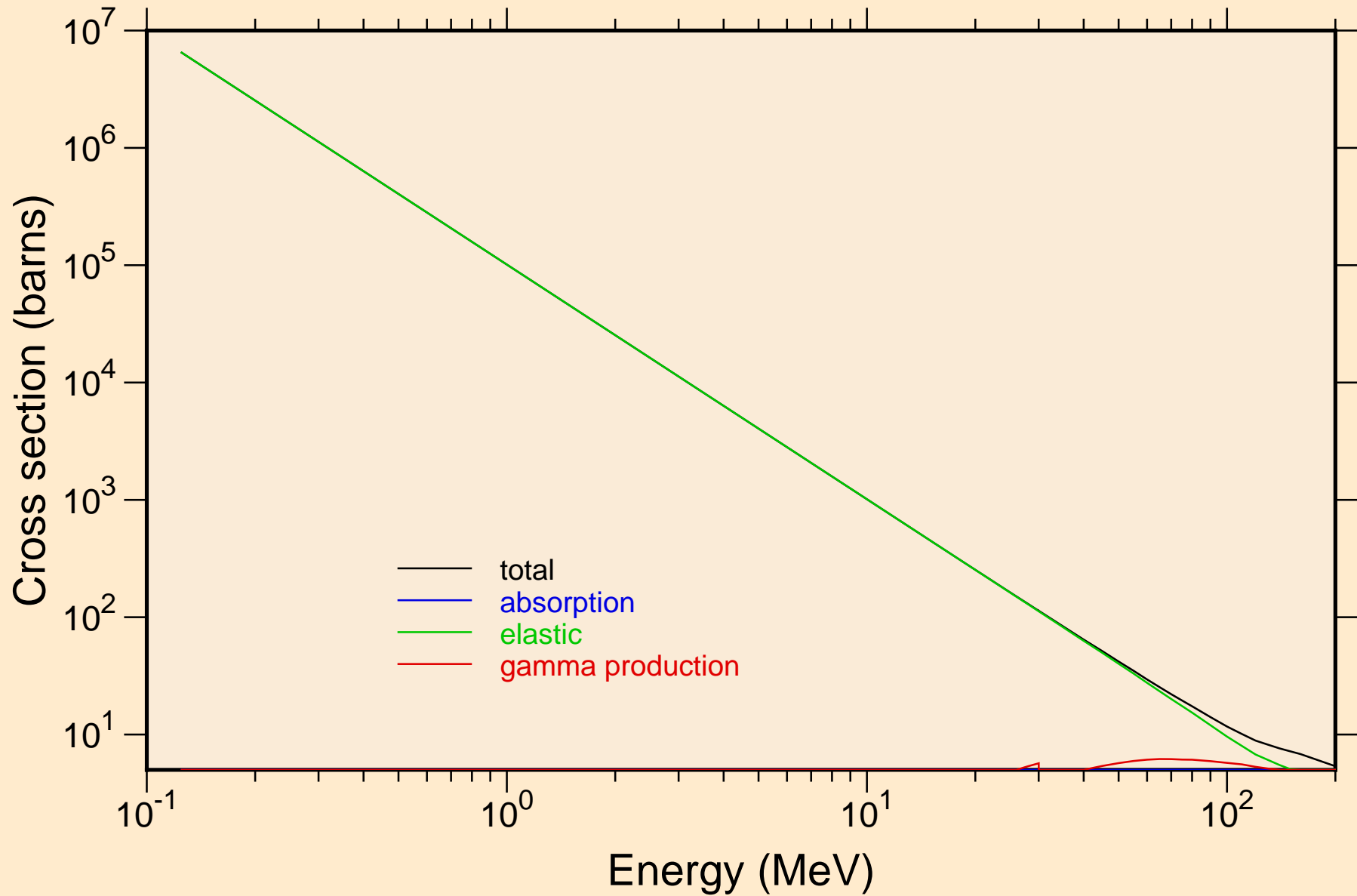
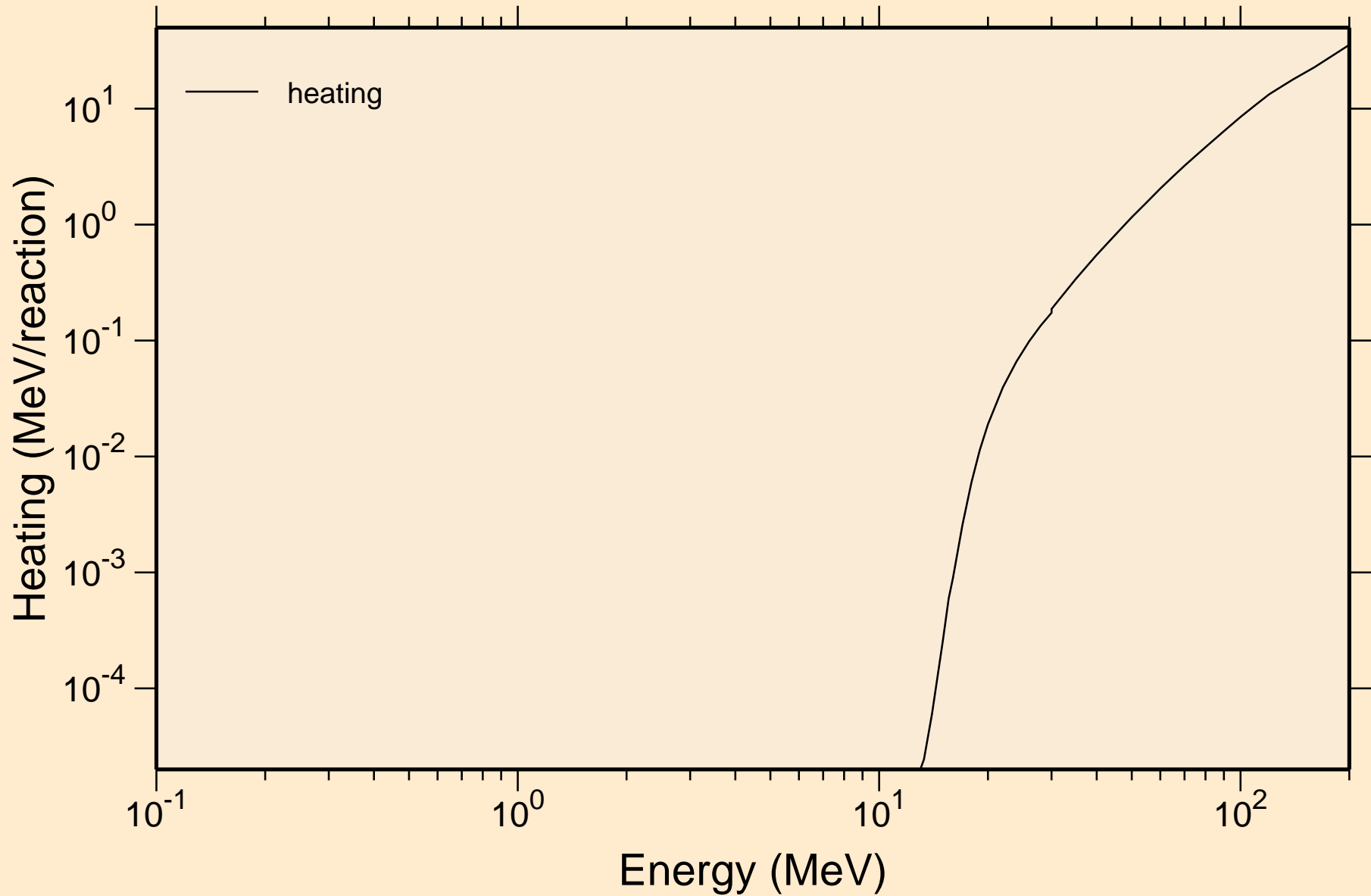


EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



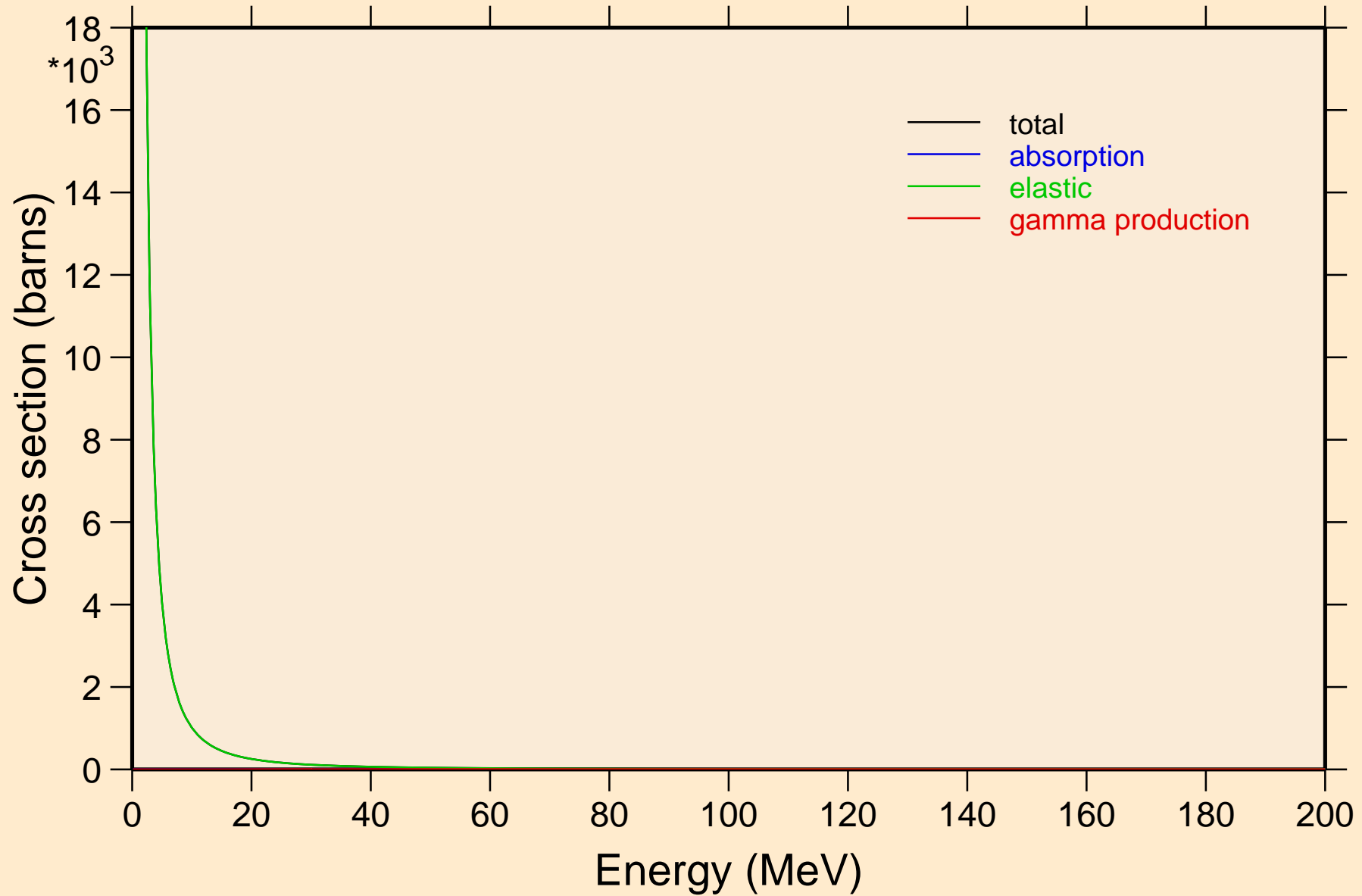
# EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Heating



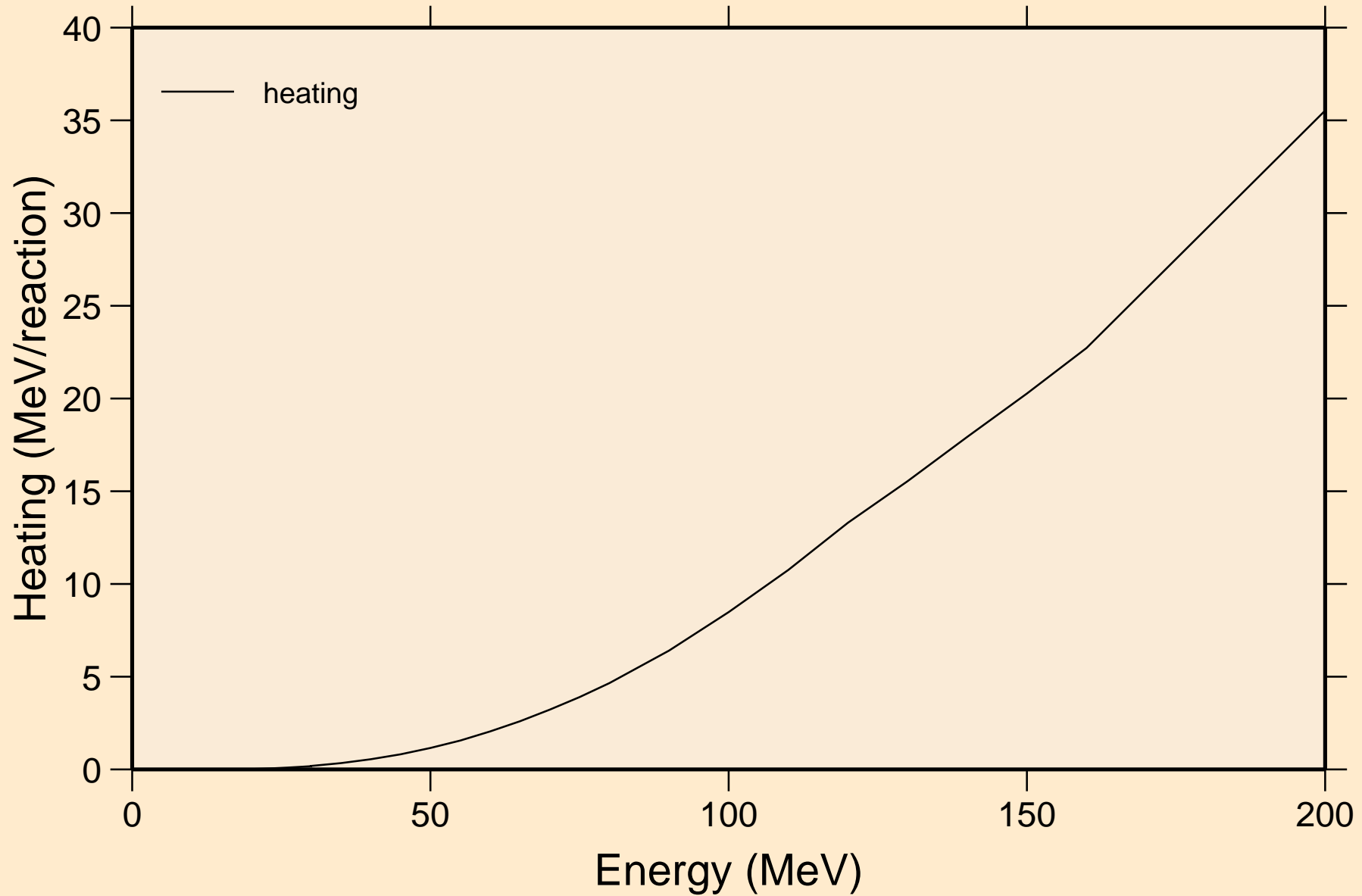
# EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

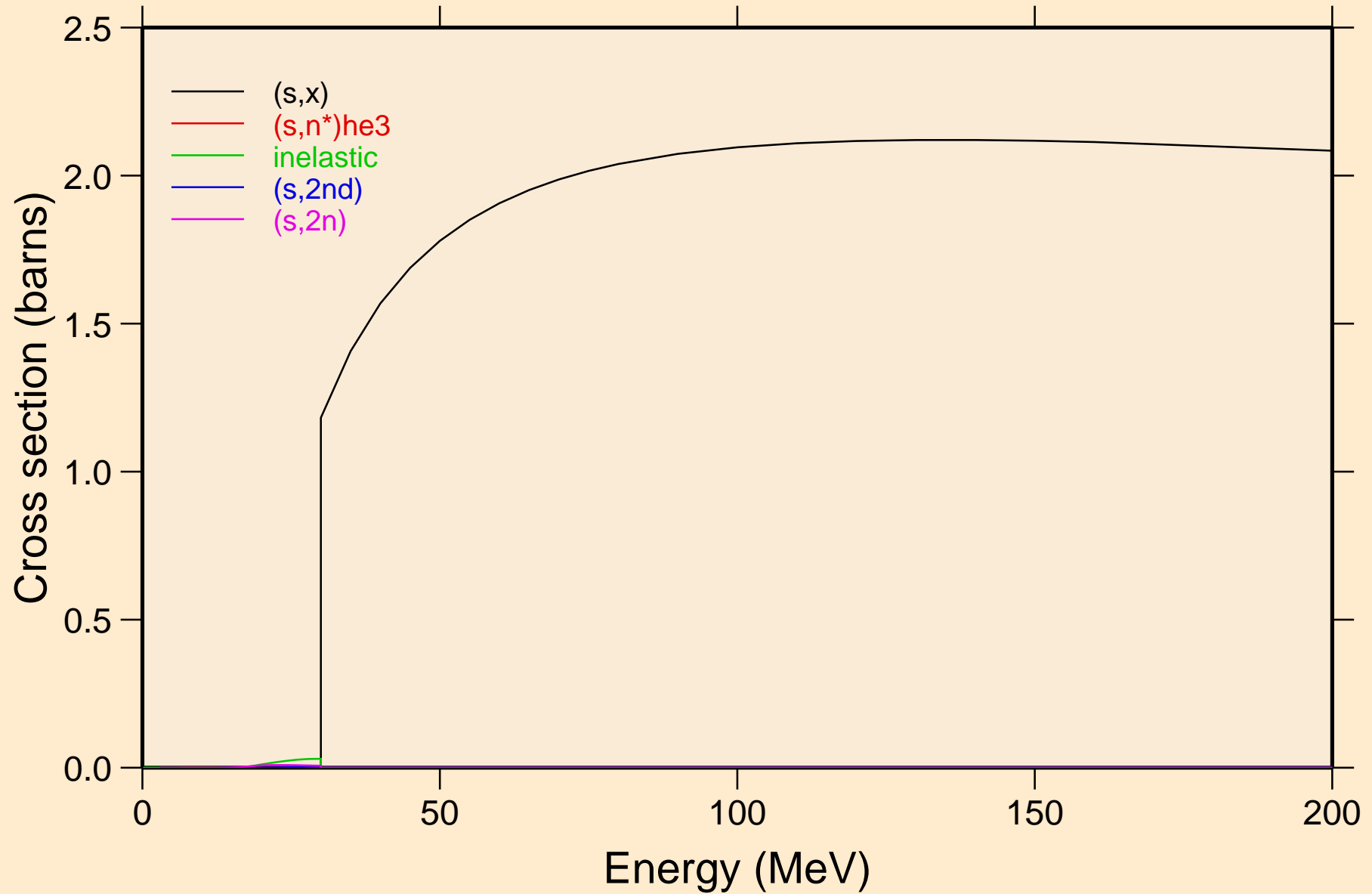


# EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Heating

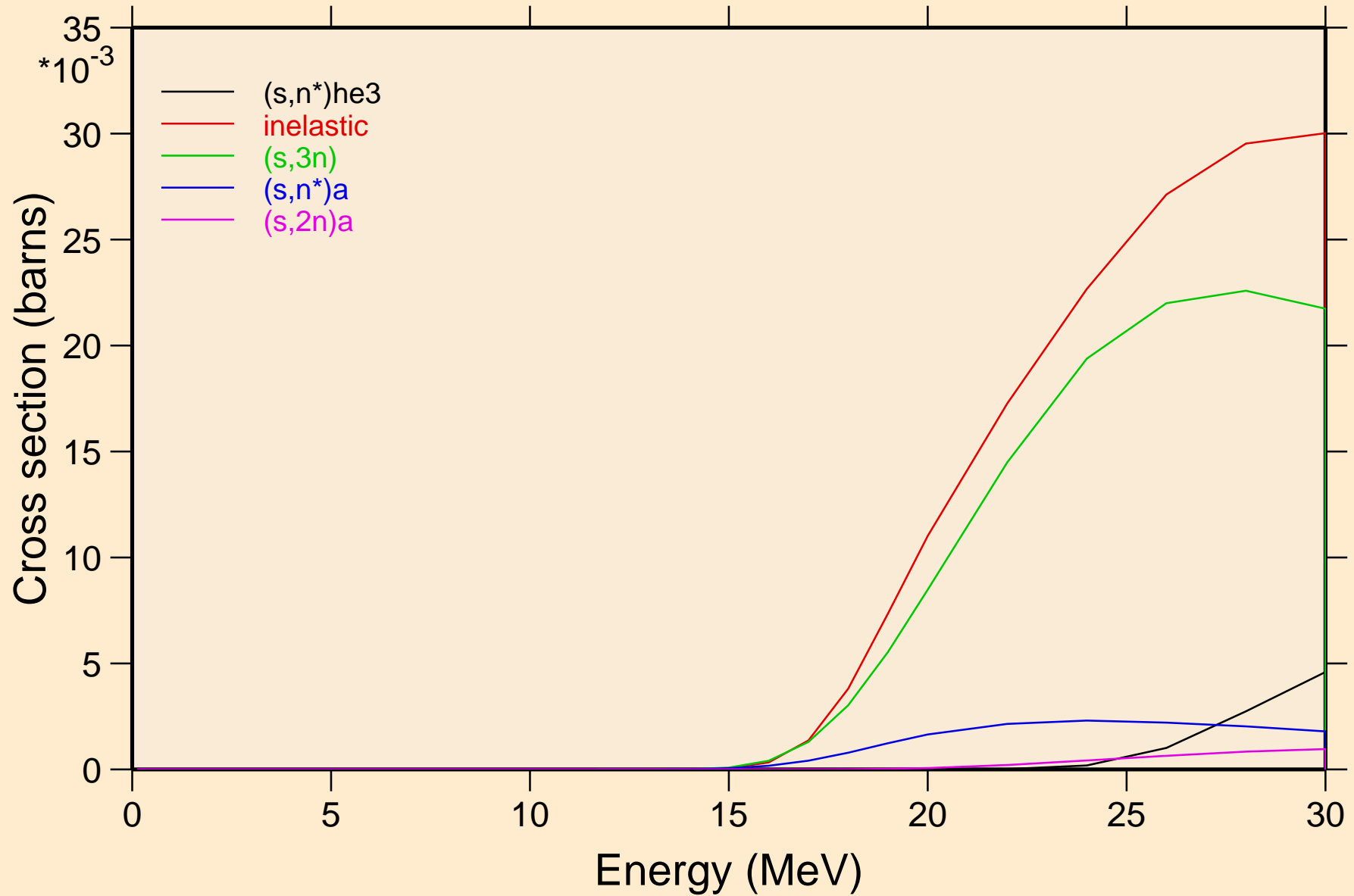


EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

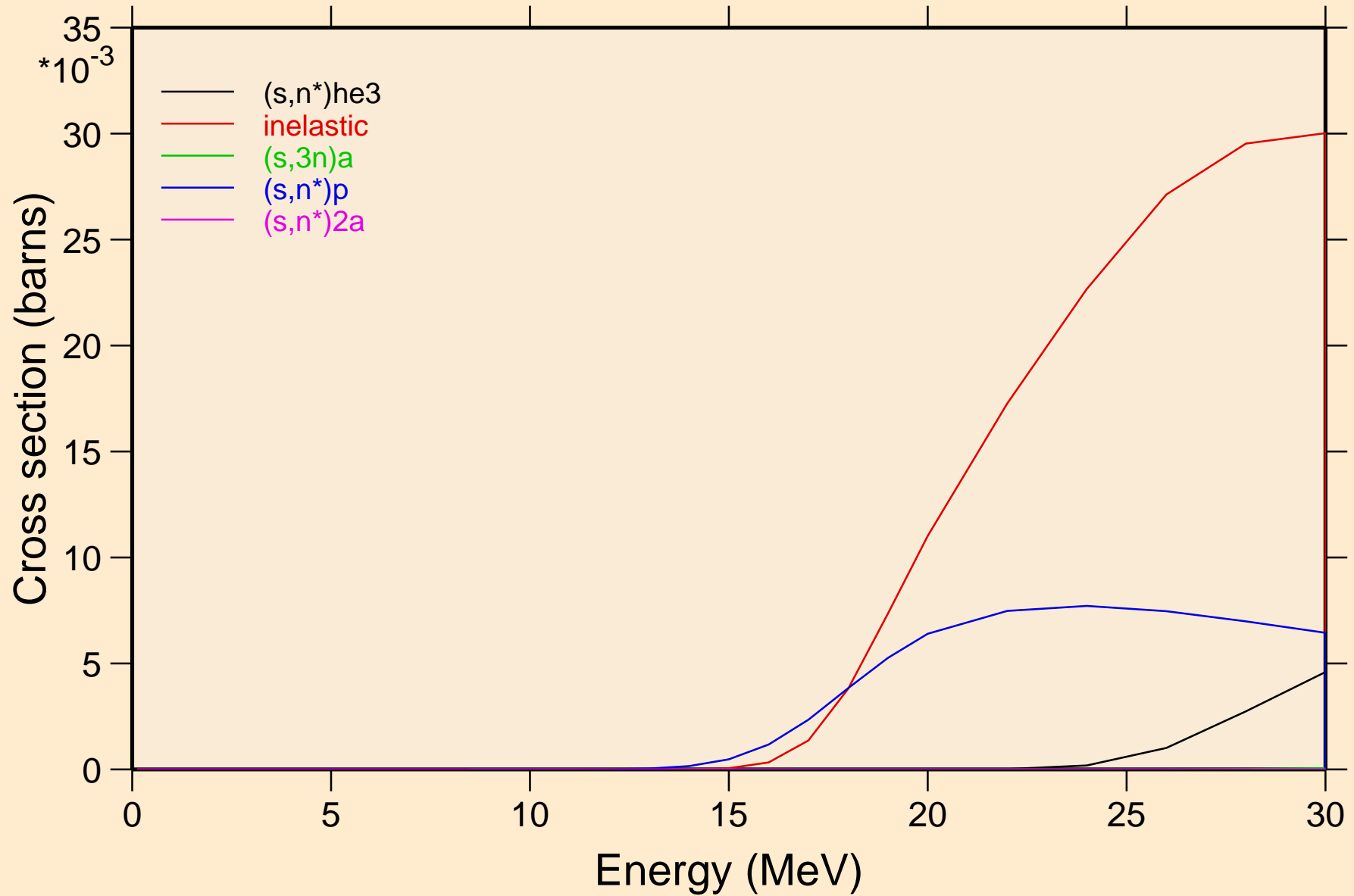


# EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K

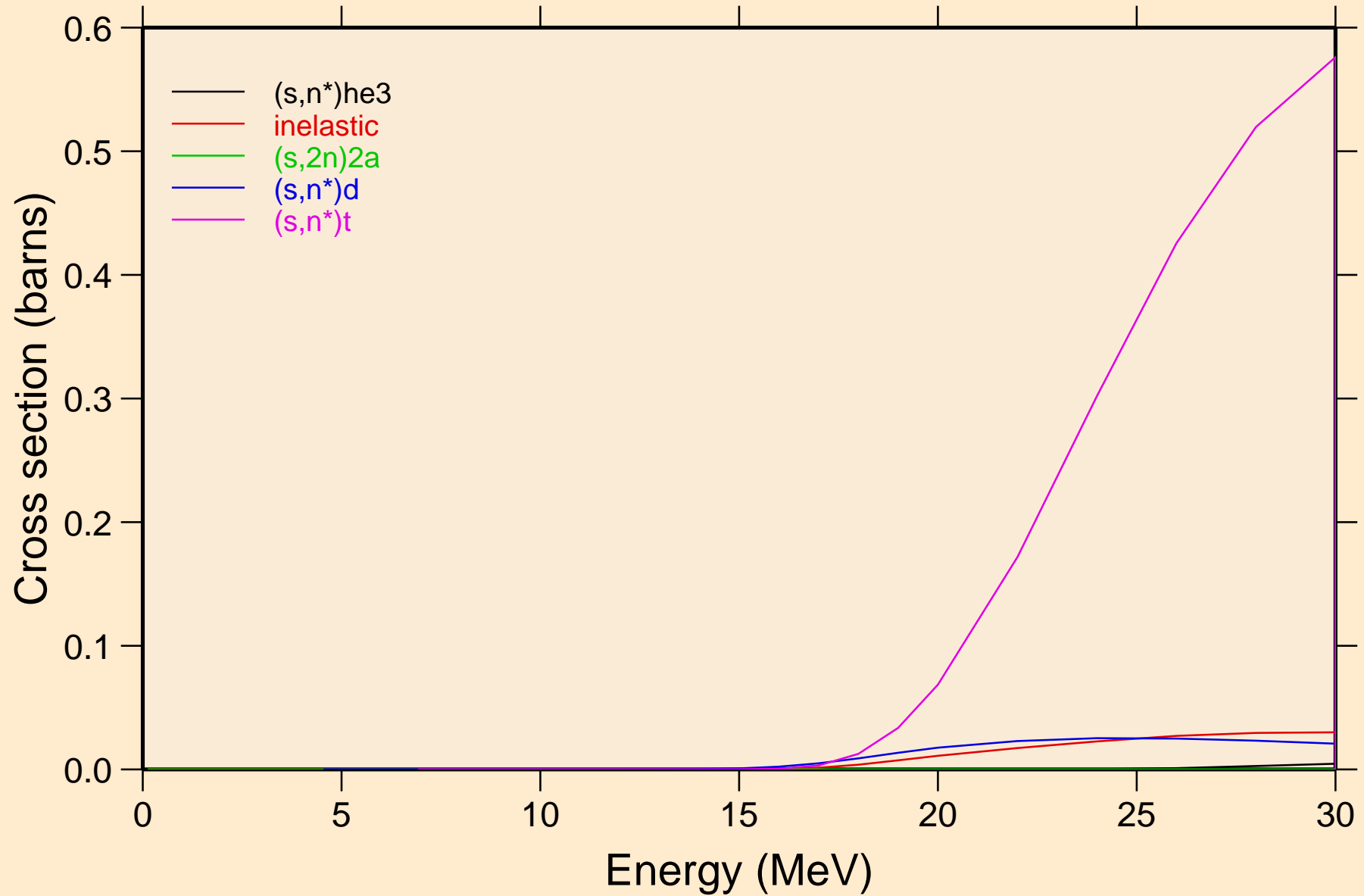
## Threshold reactions



EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

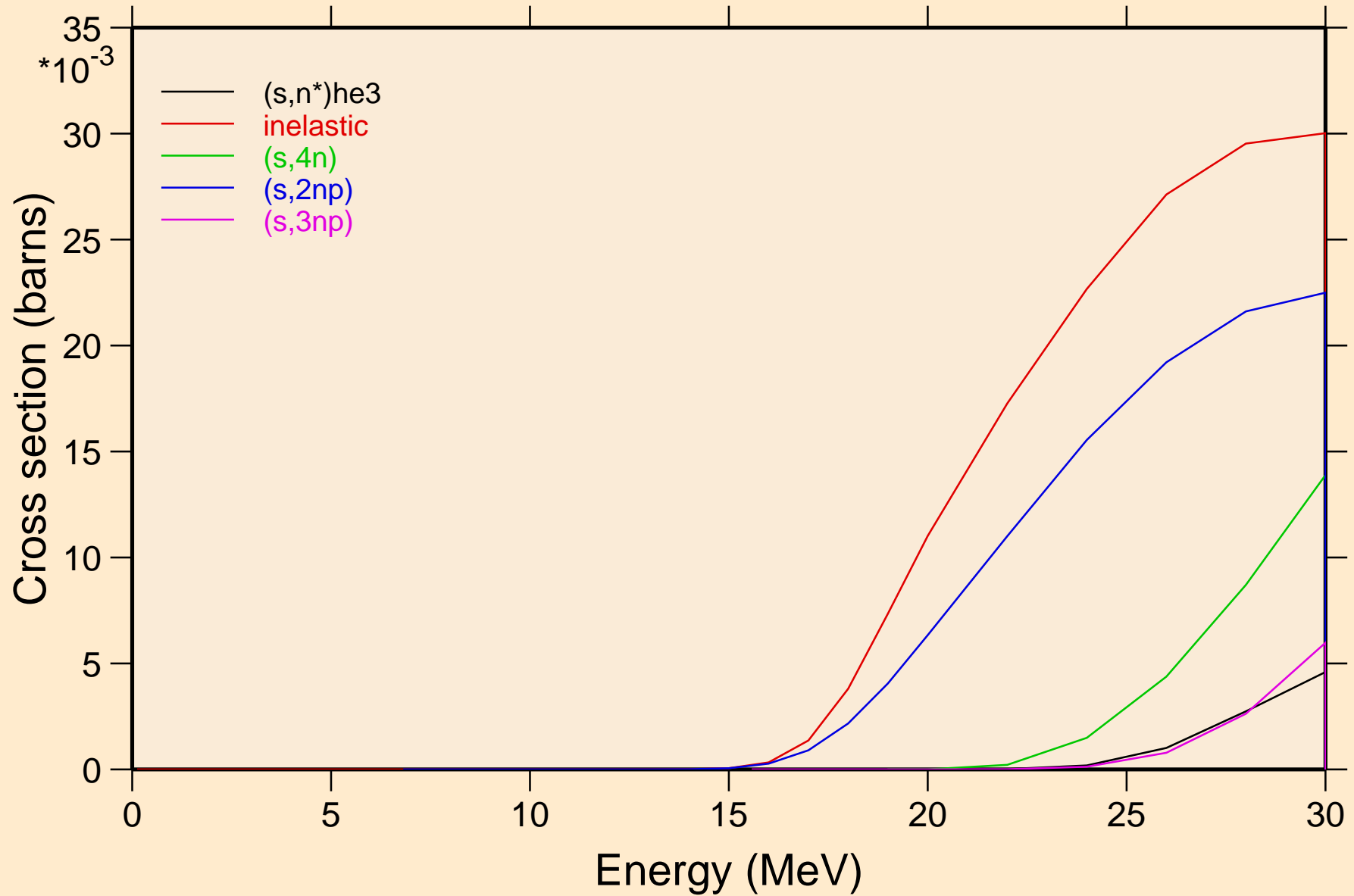


EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

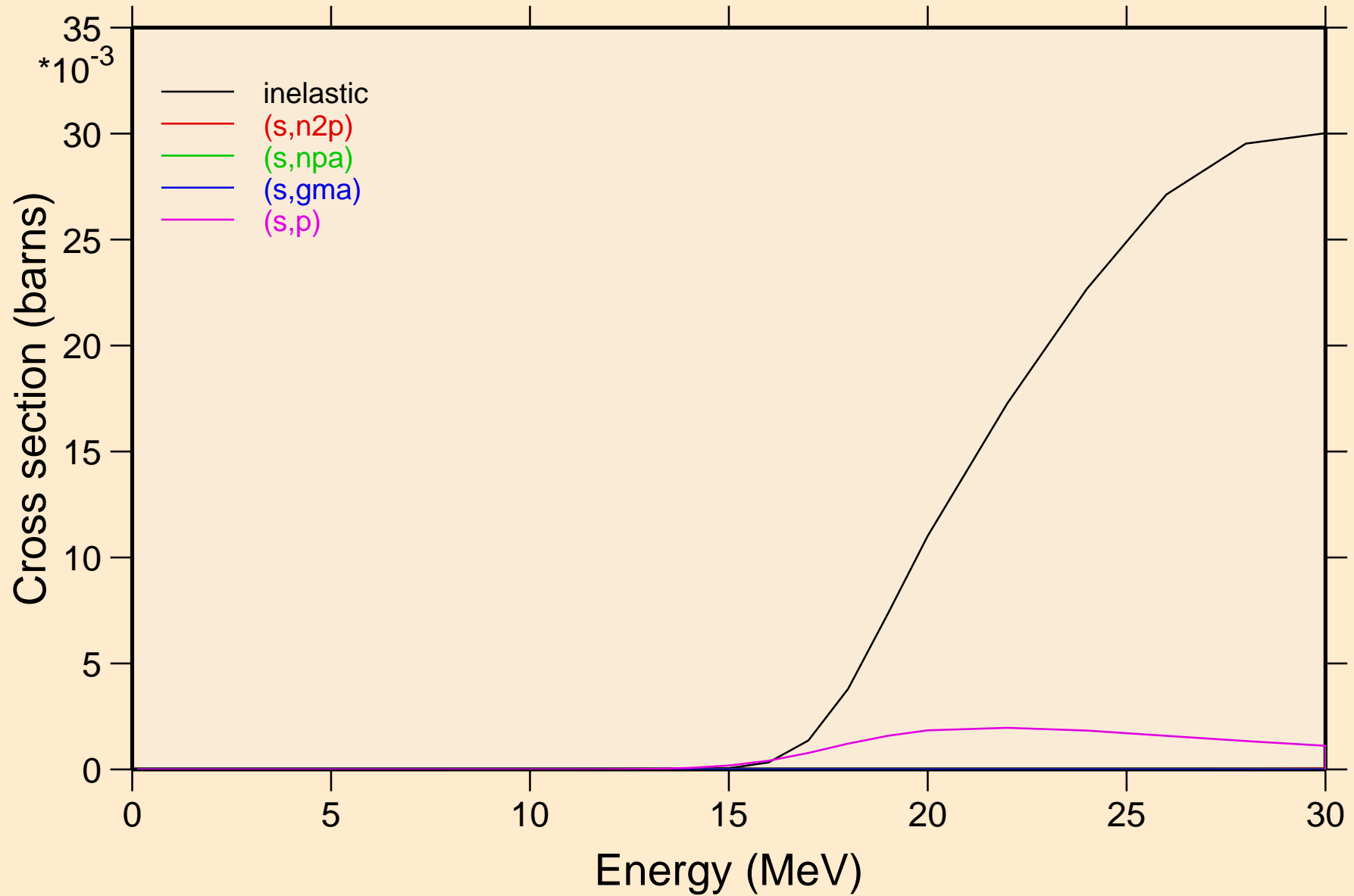




EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

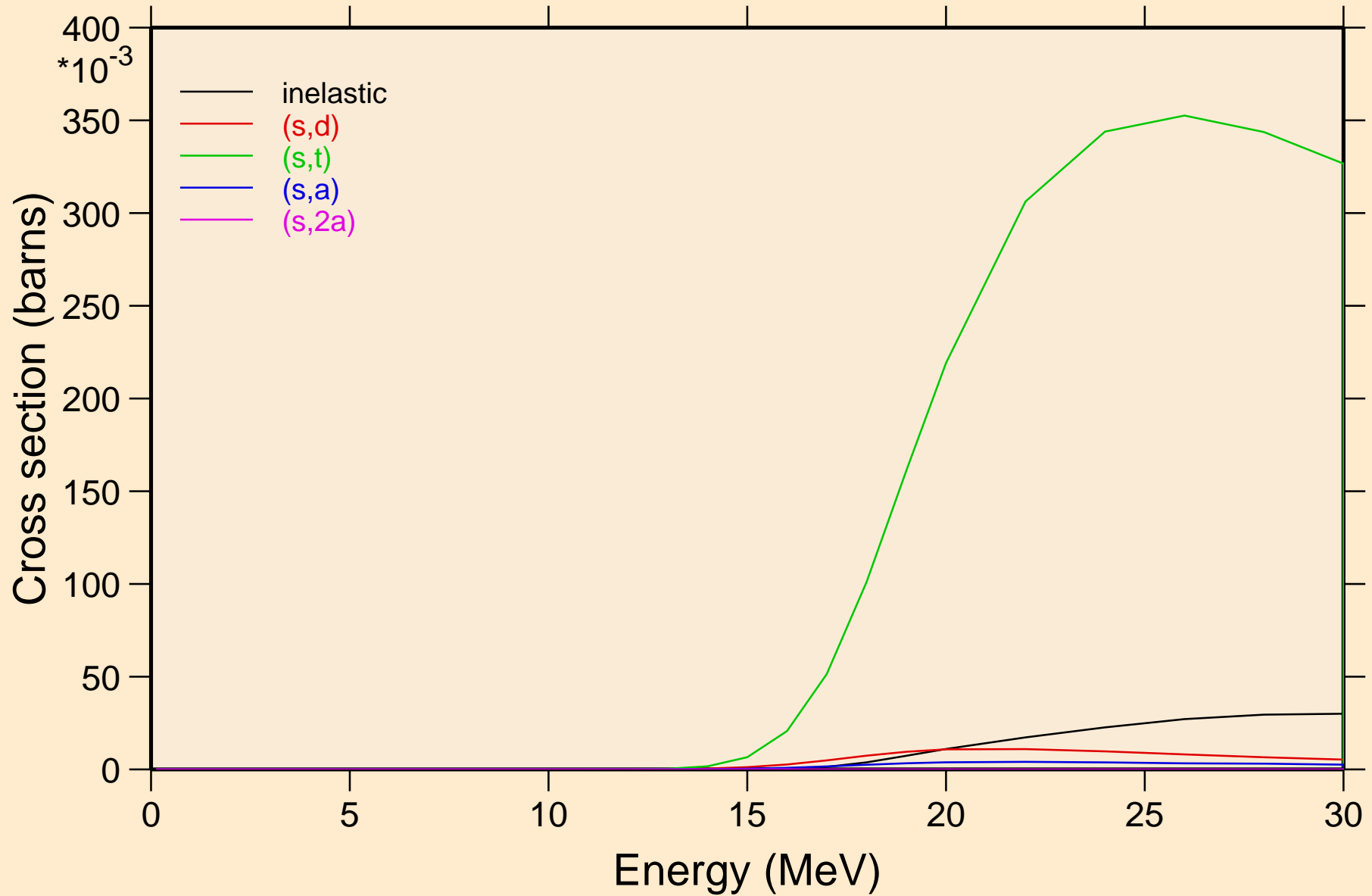


EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

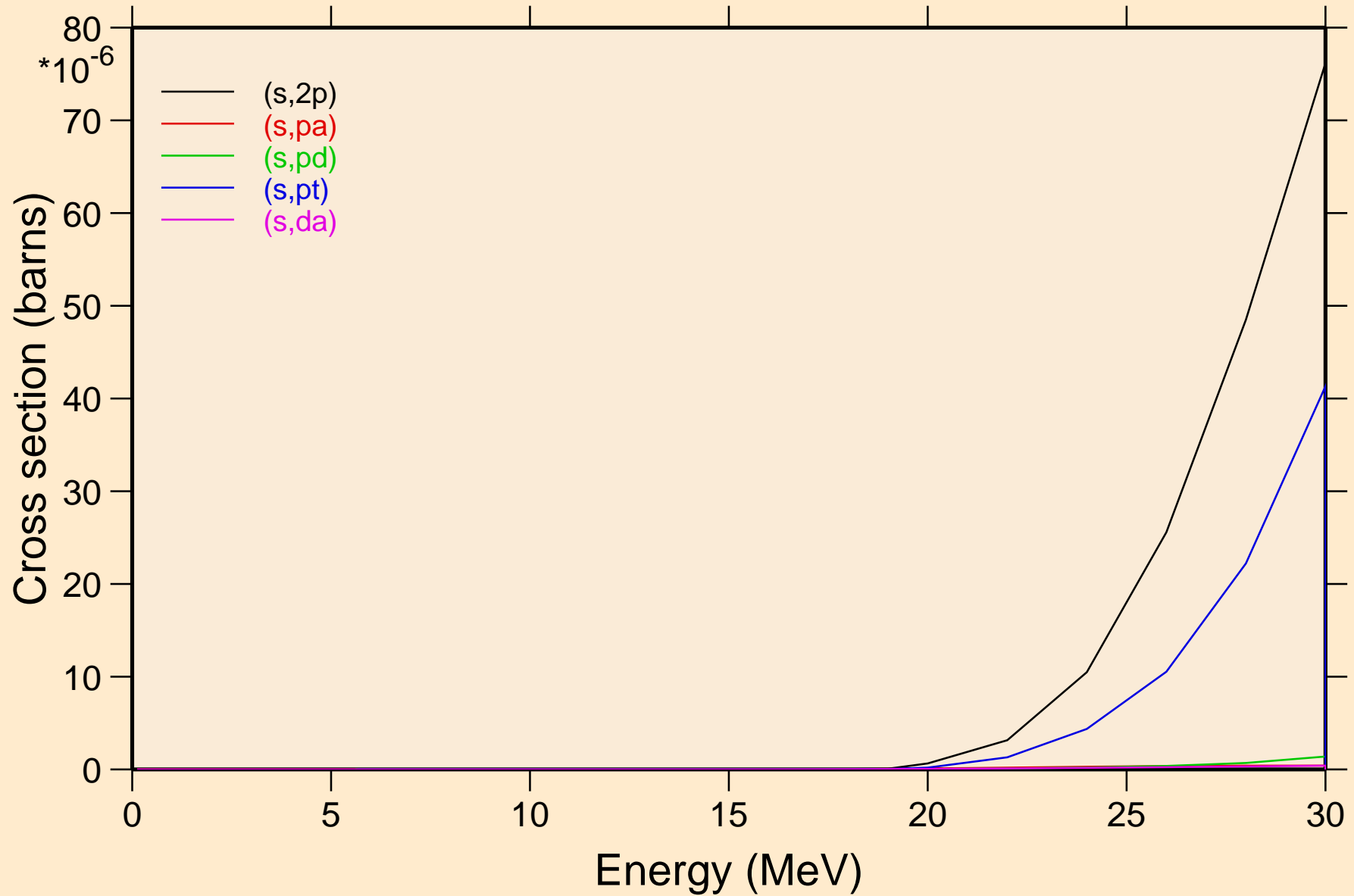


# EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K

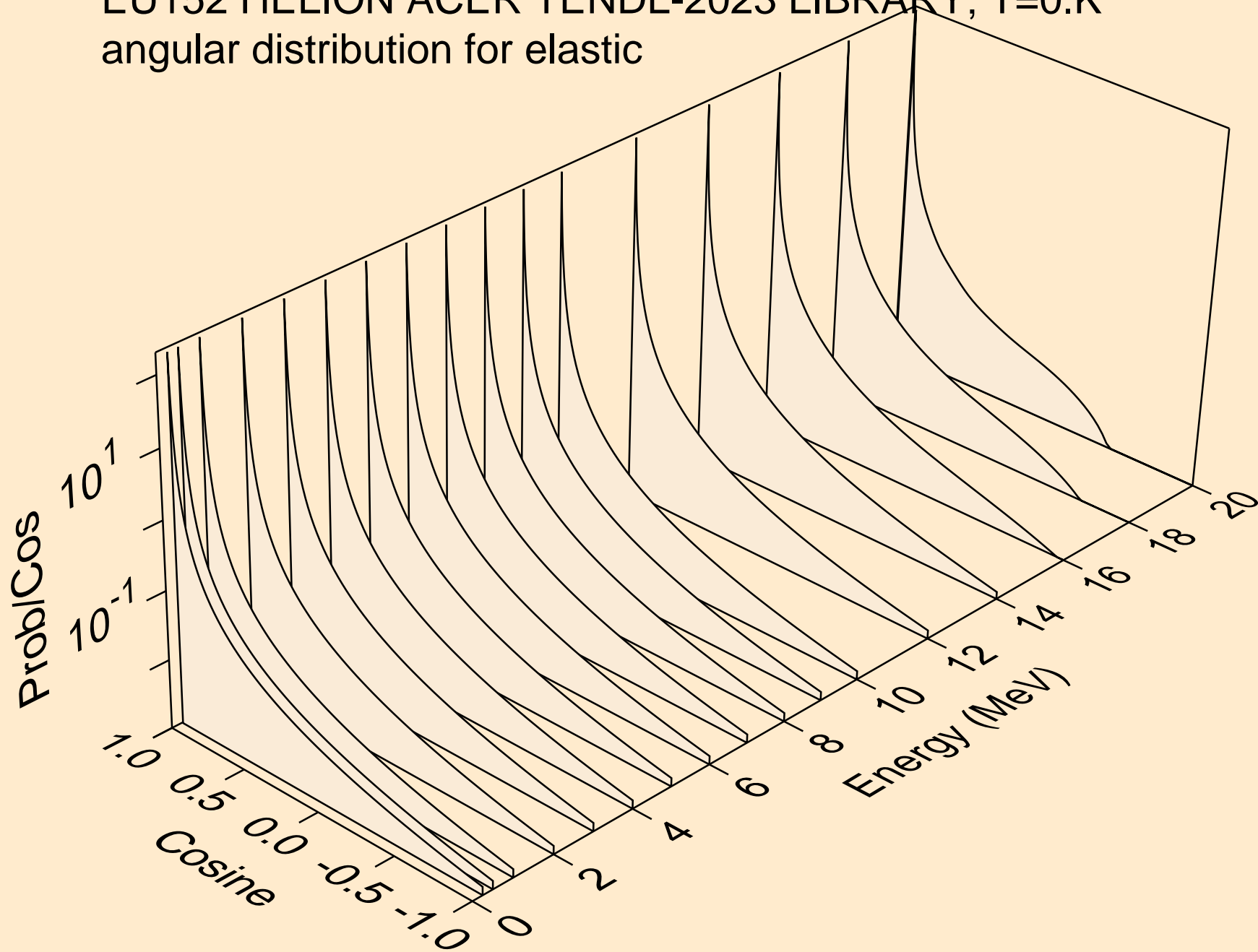
## Threshold reactions



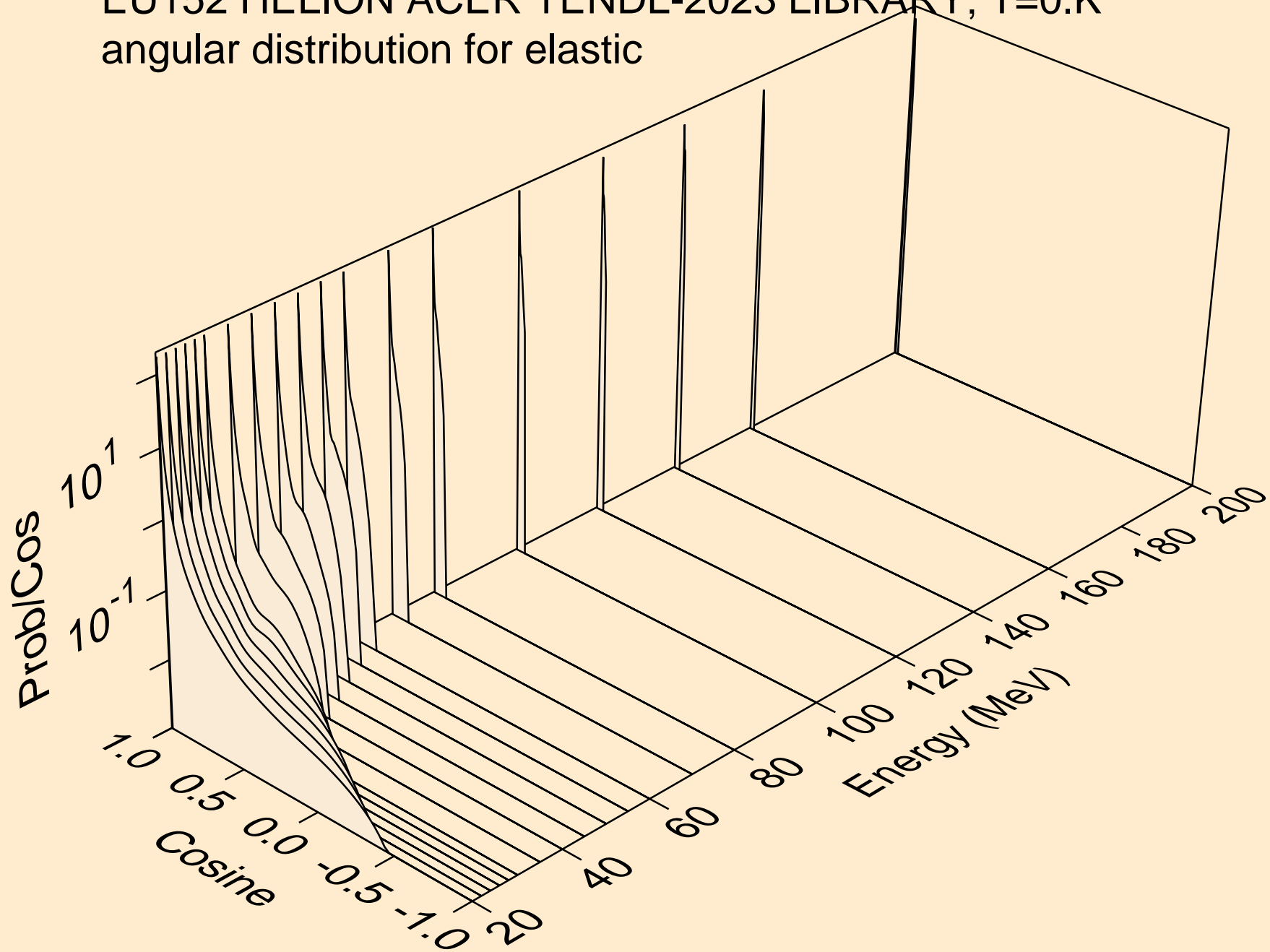
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



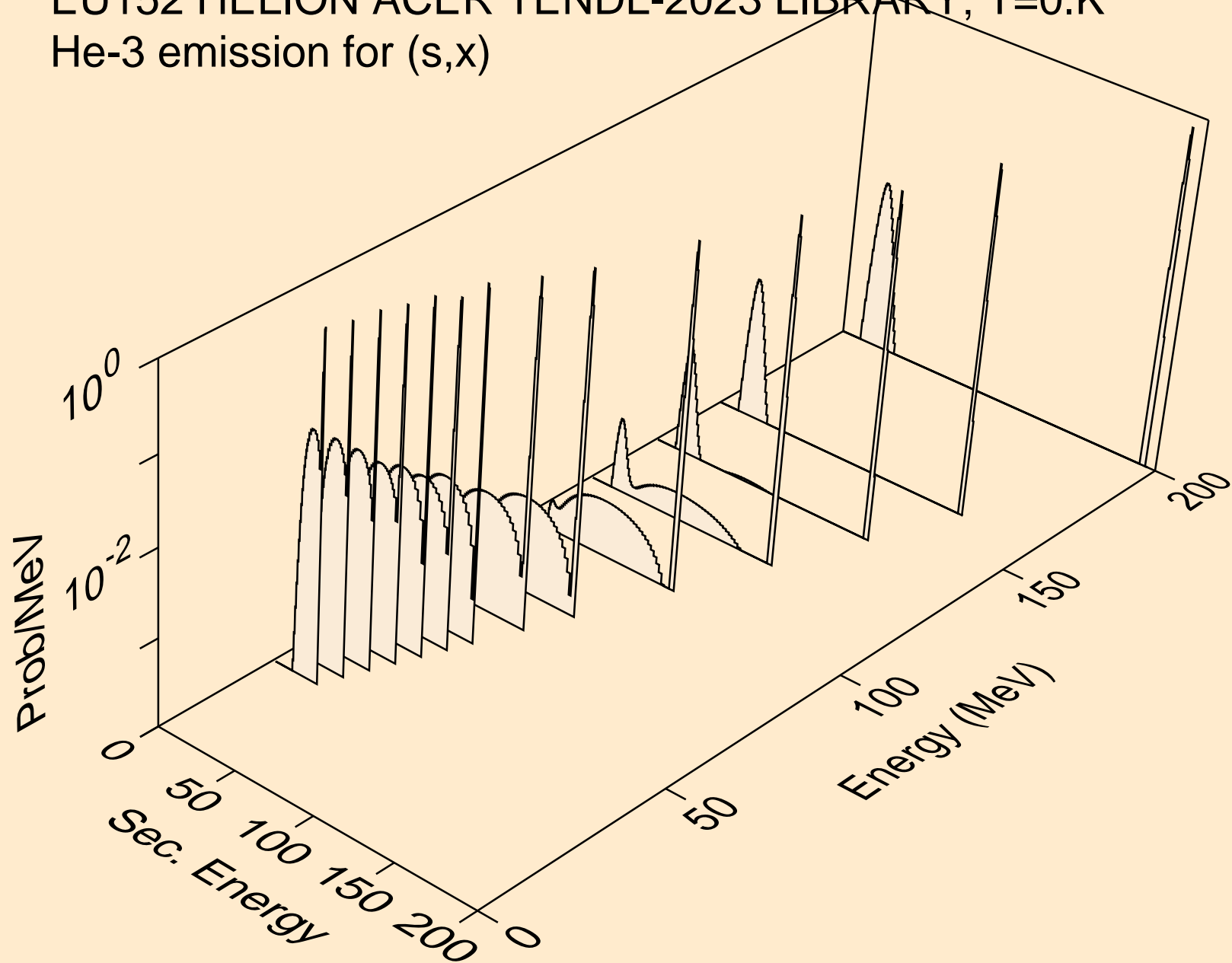
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



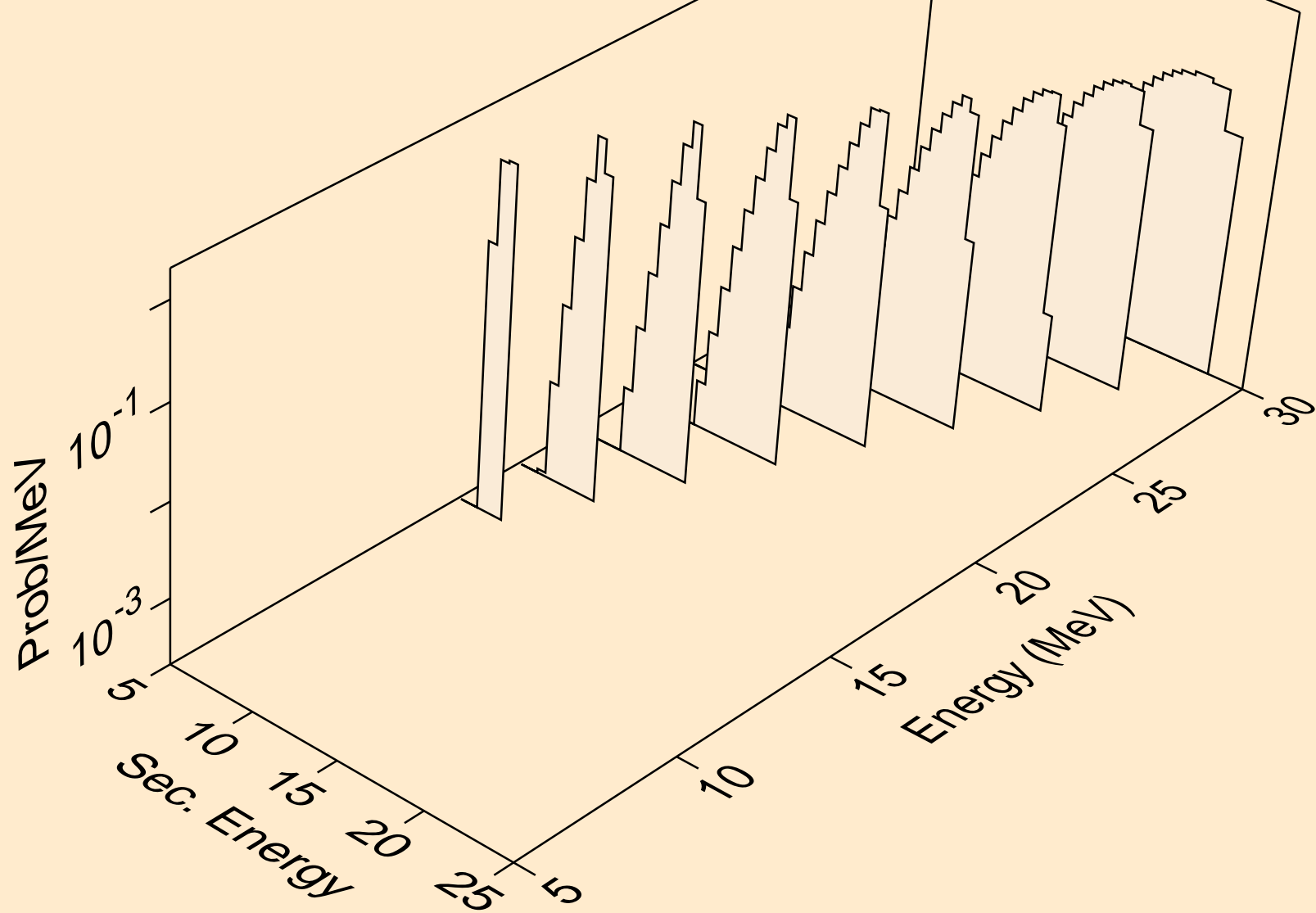
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)

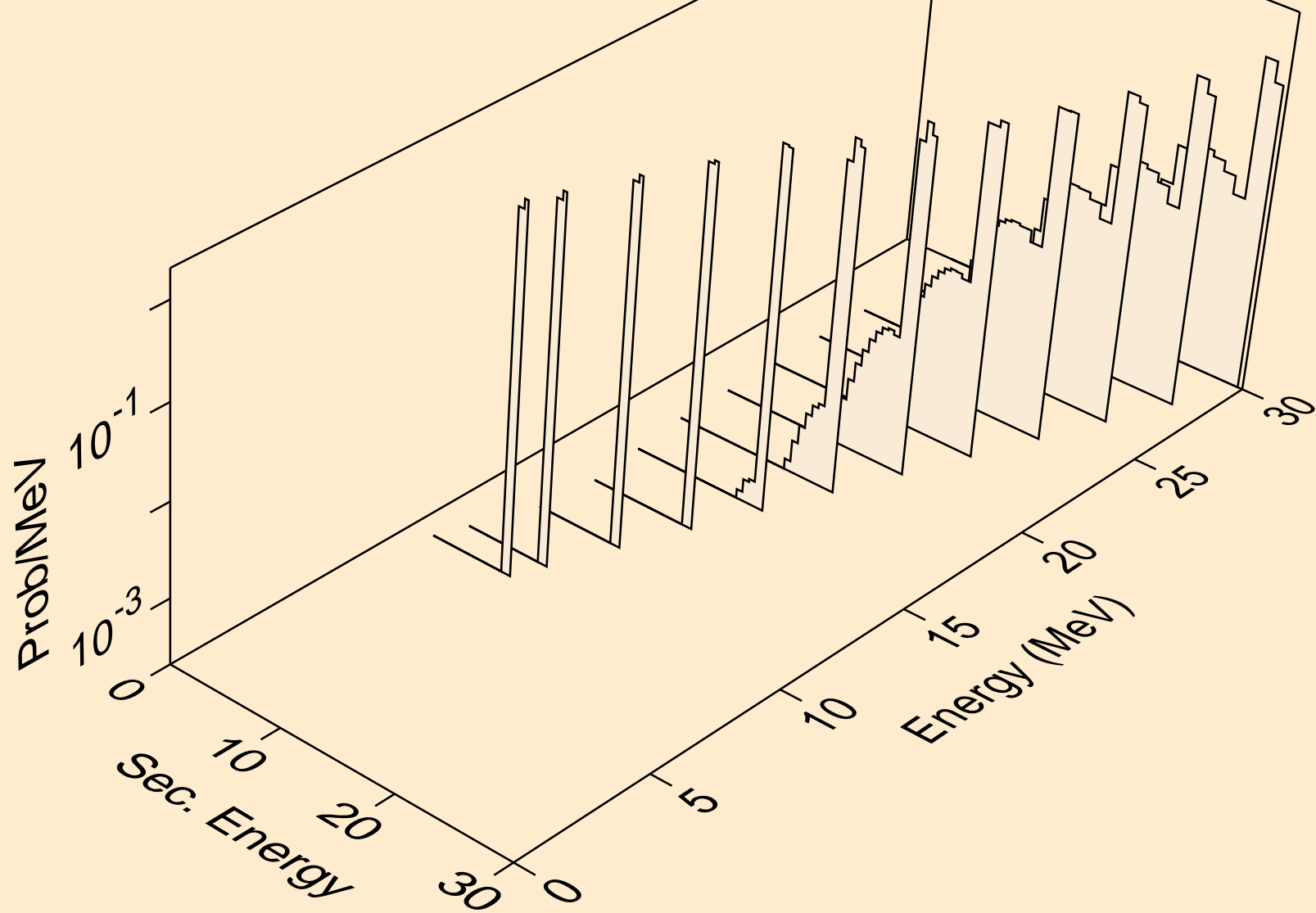


EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

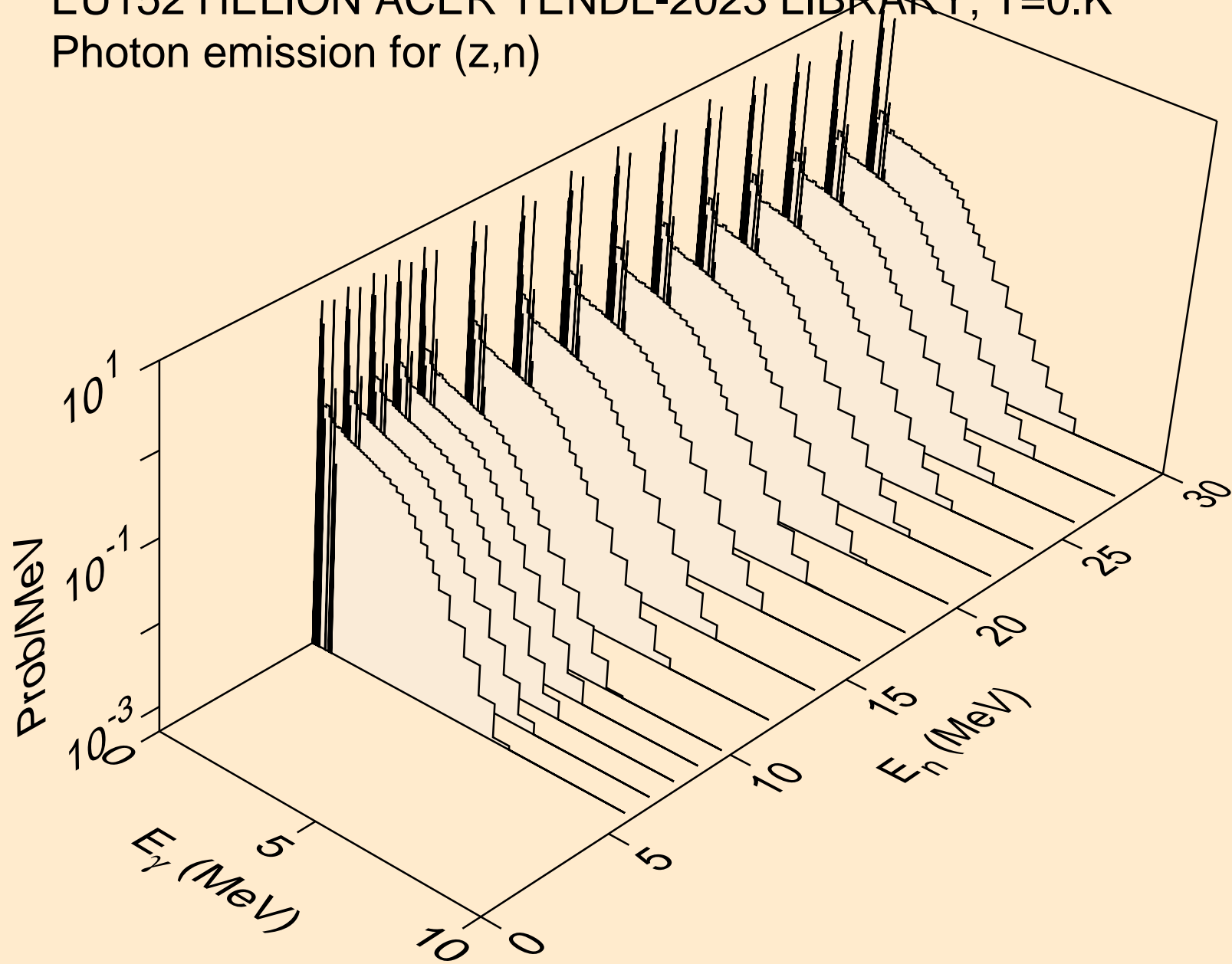




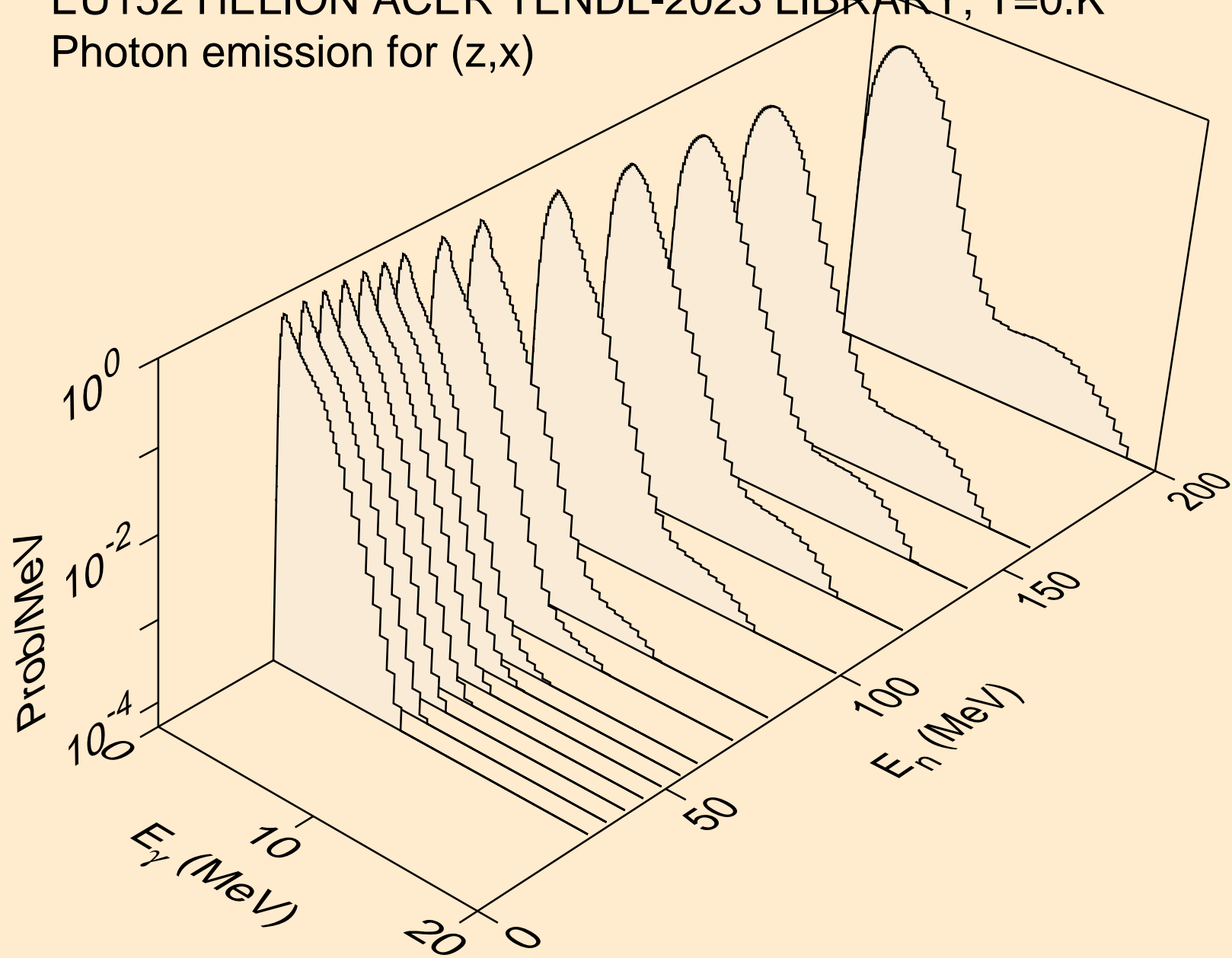
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic



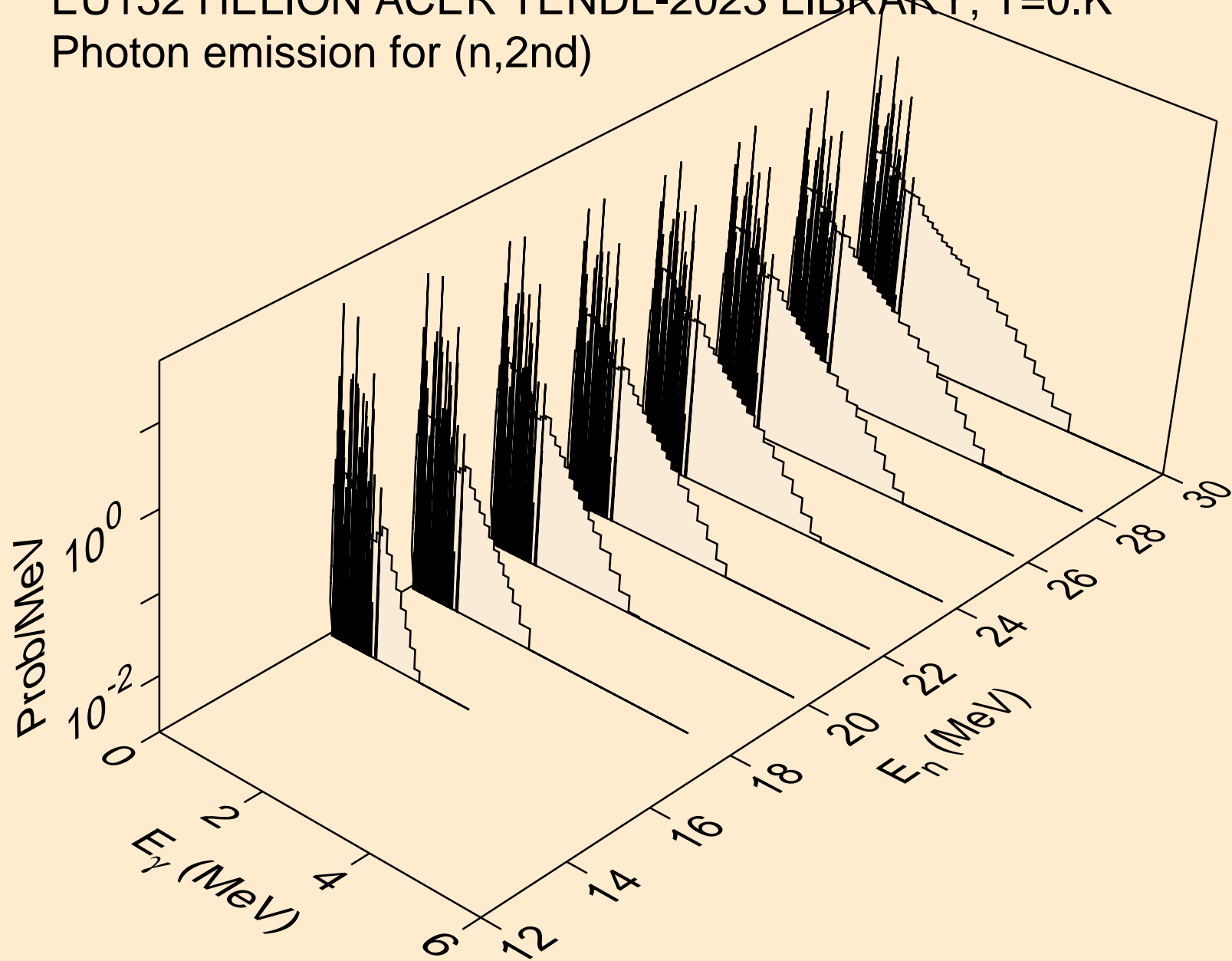
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



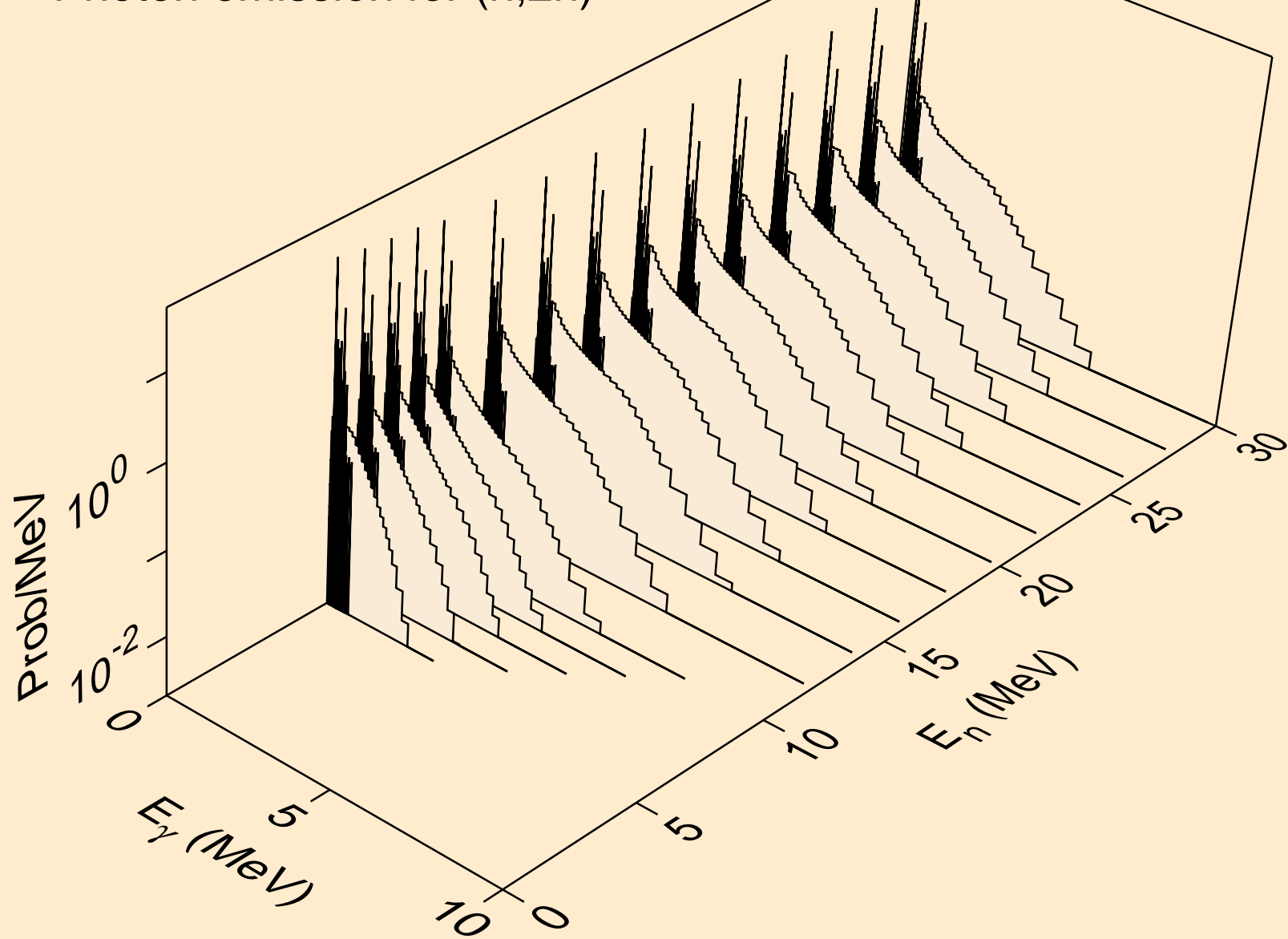
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Photon emission for (z,x)



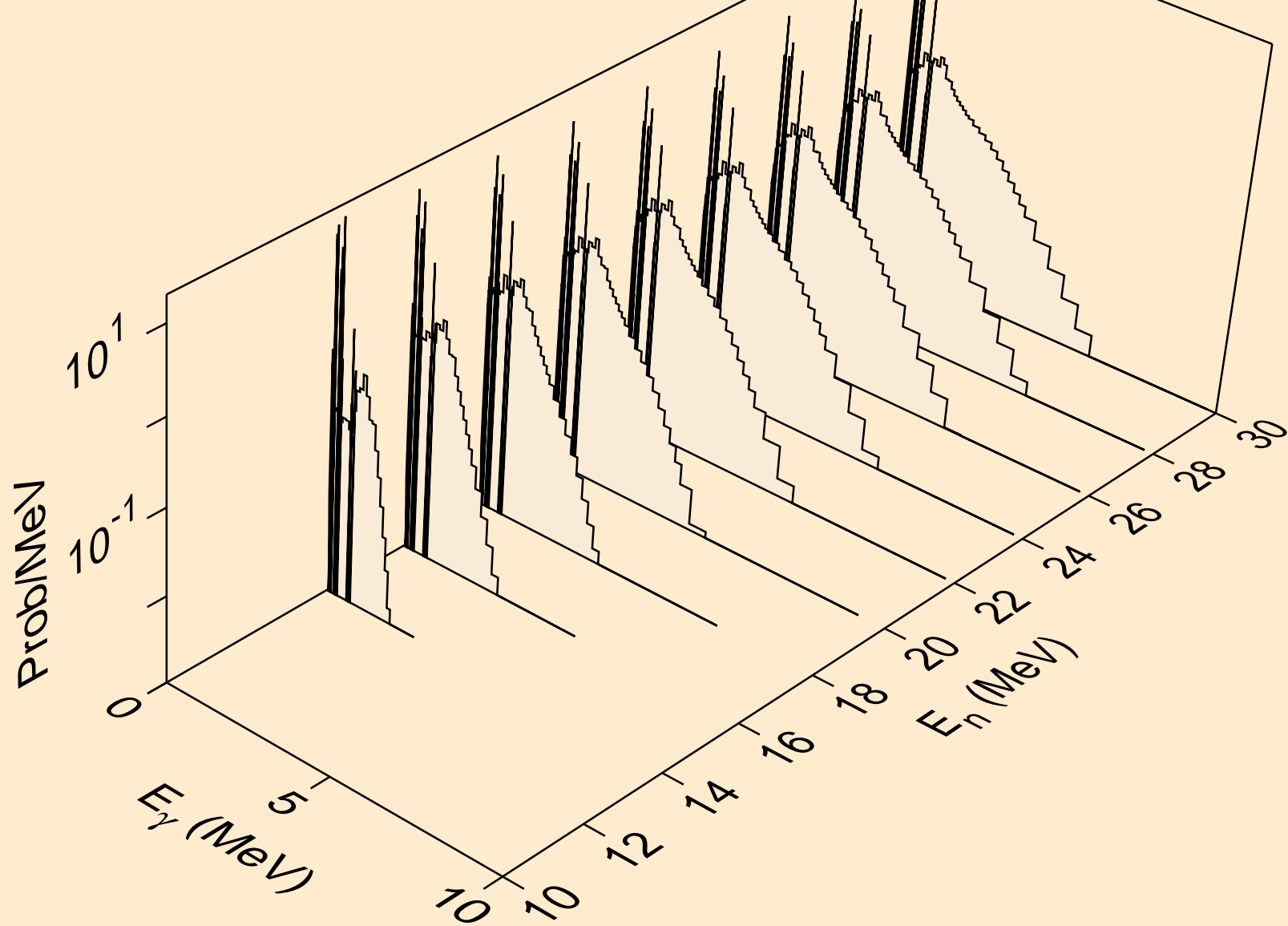
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



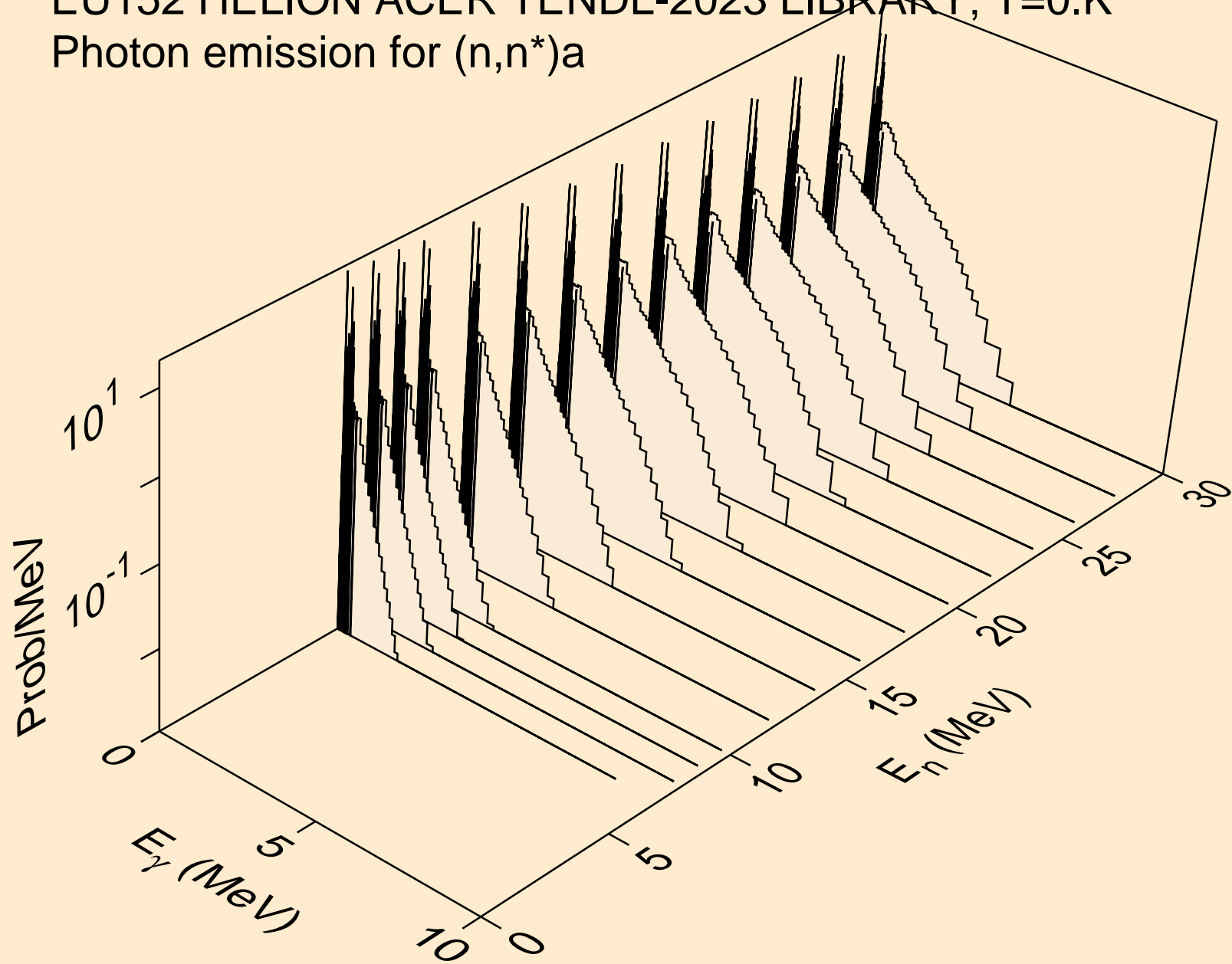
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



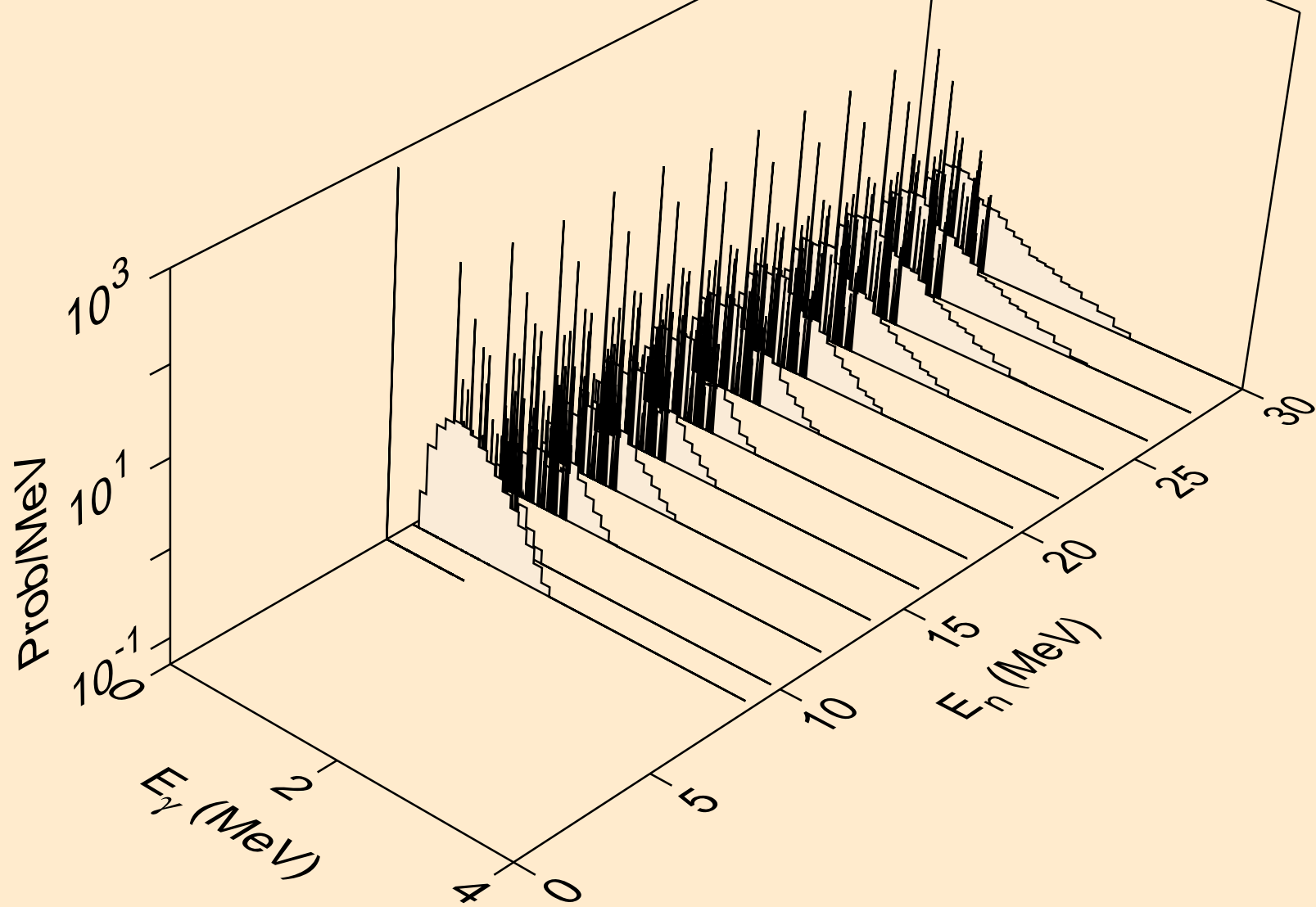
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

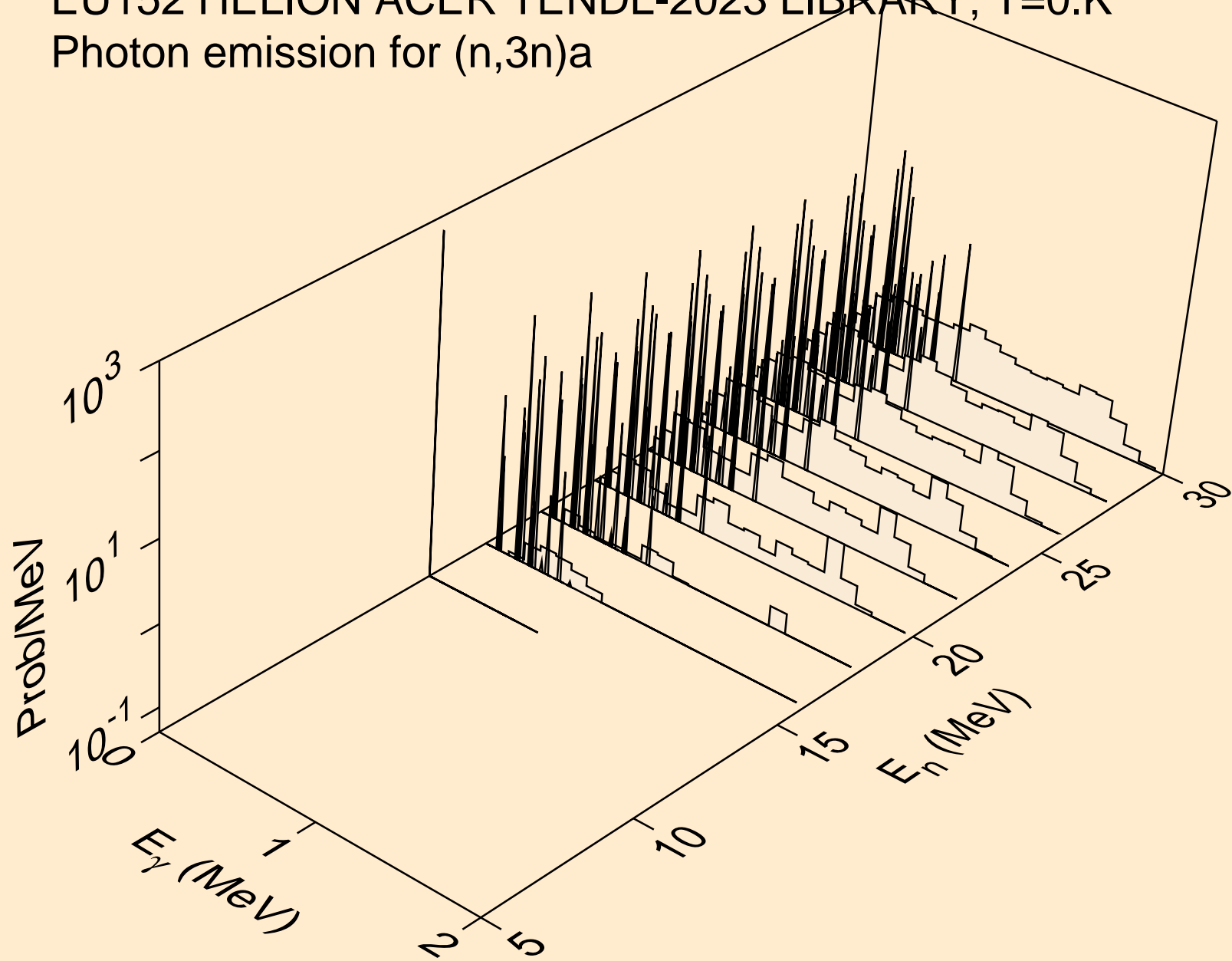


EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

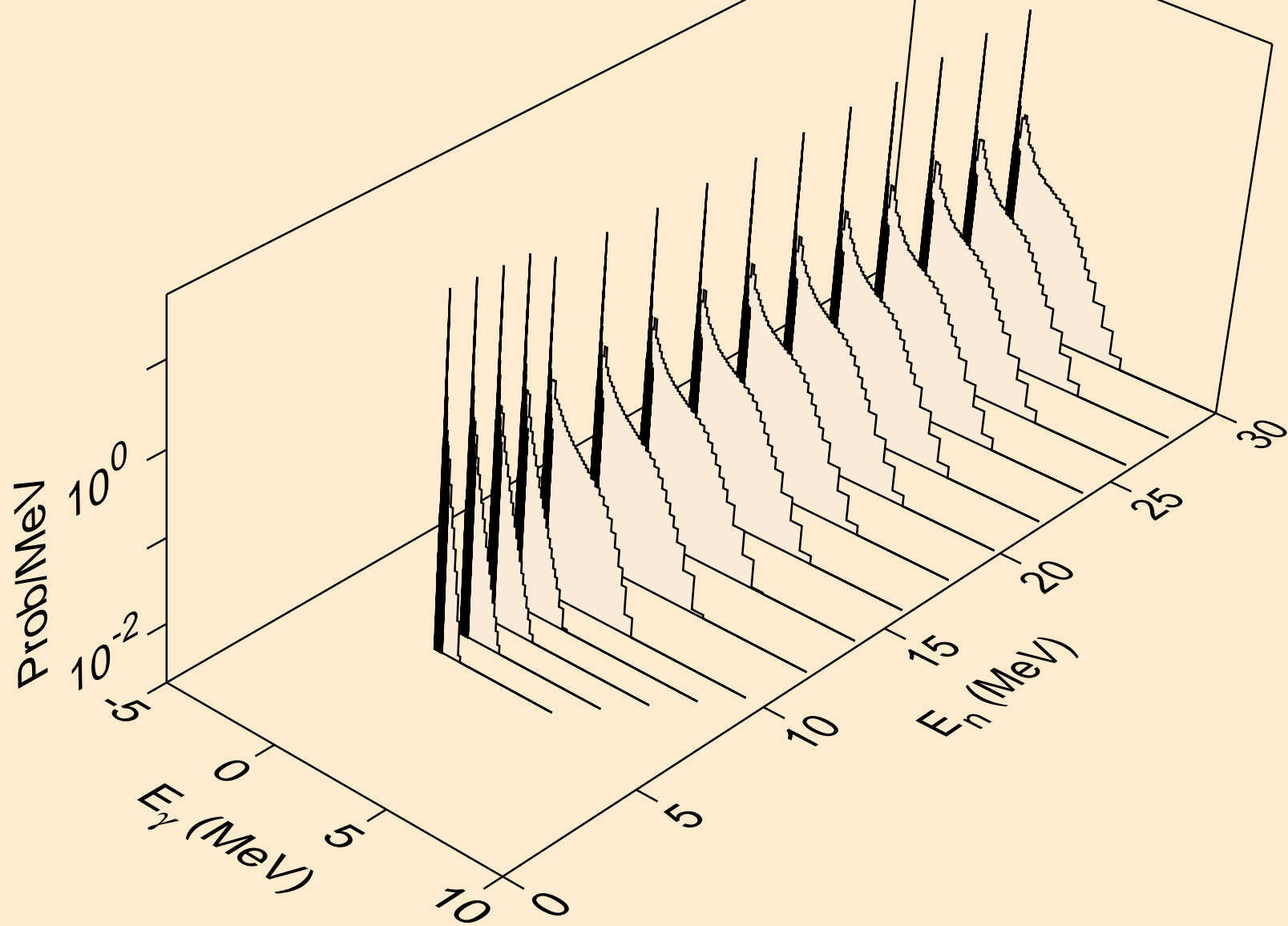




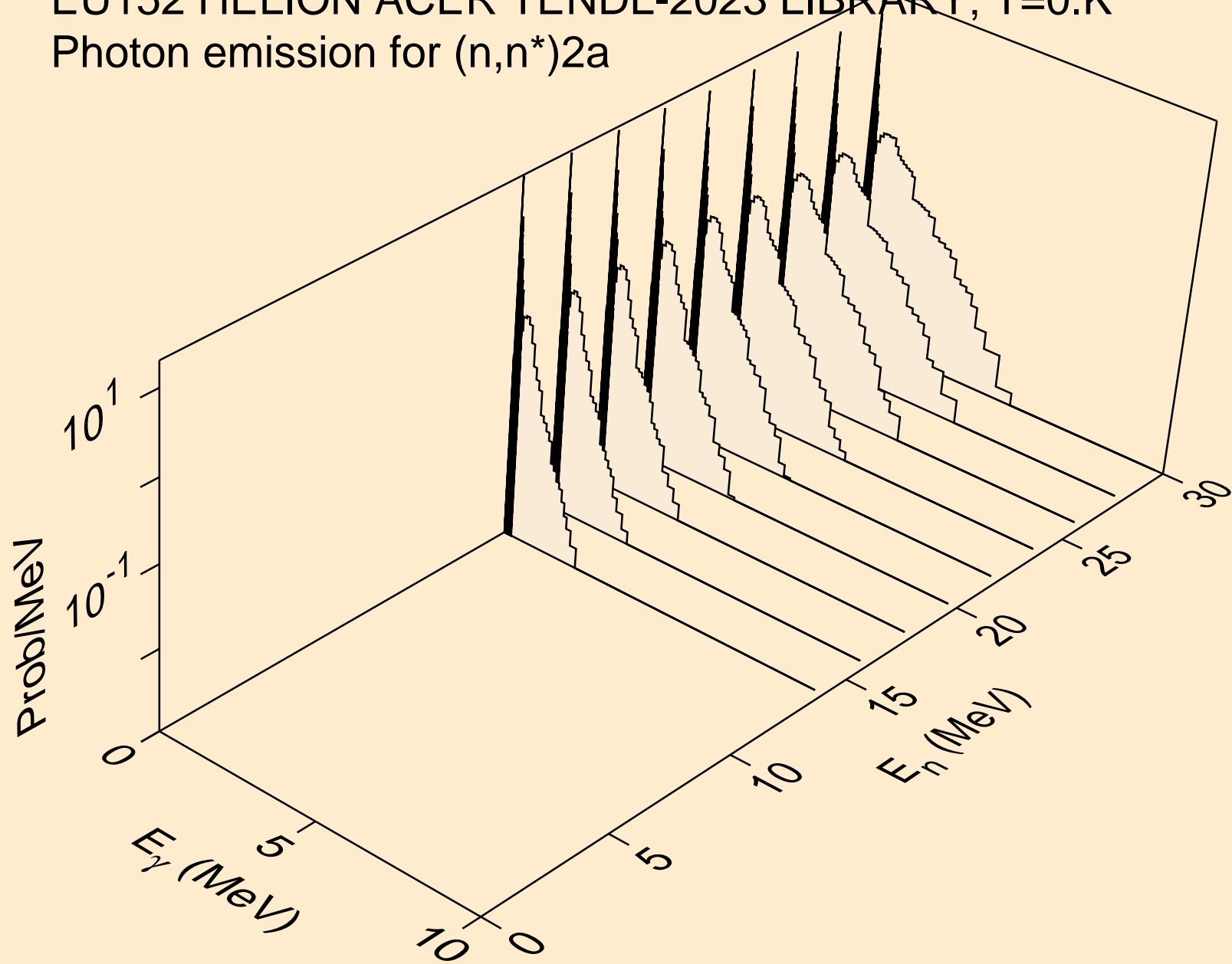
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Photon emission for (n,3n)a



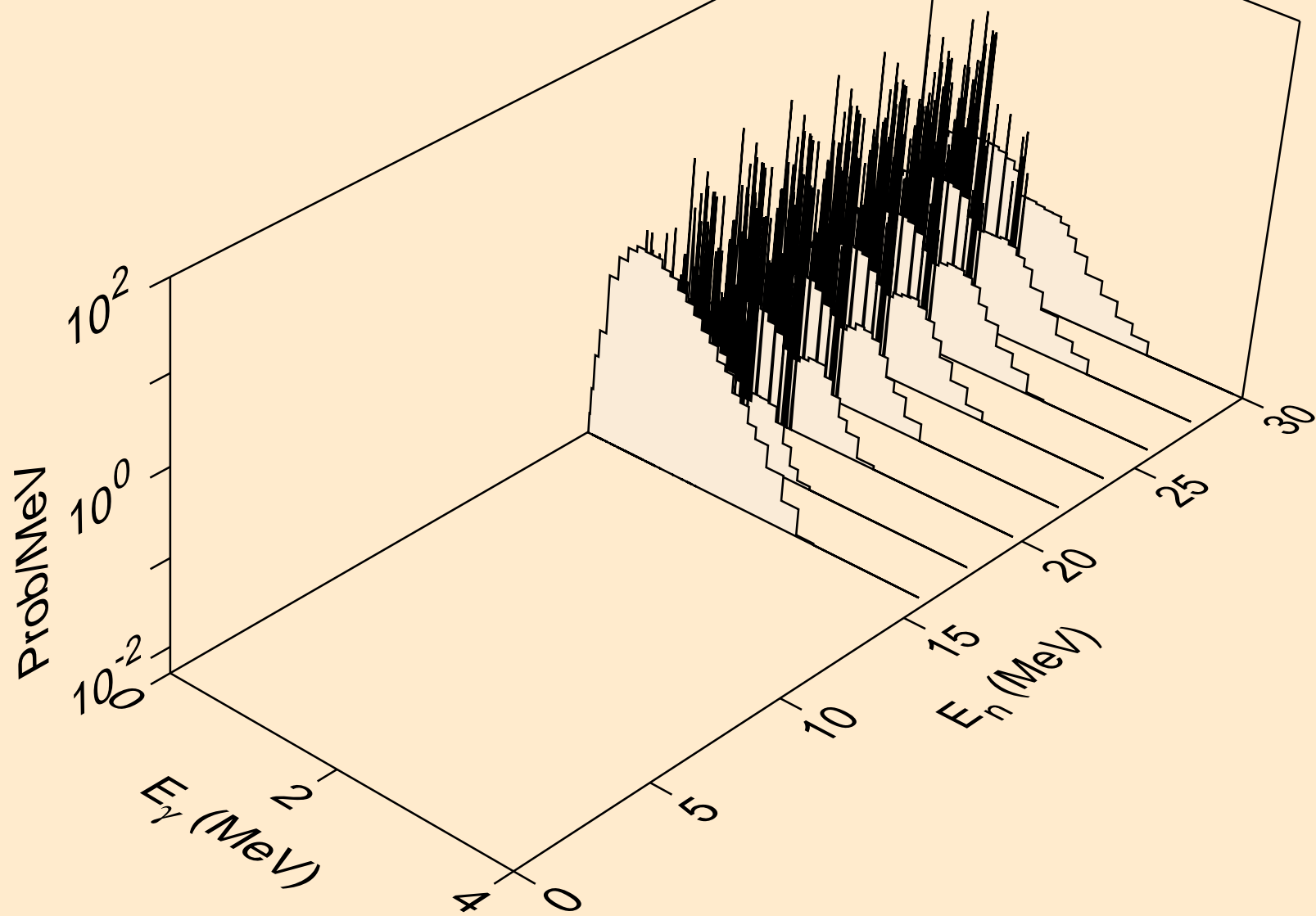
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



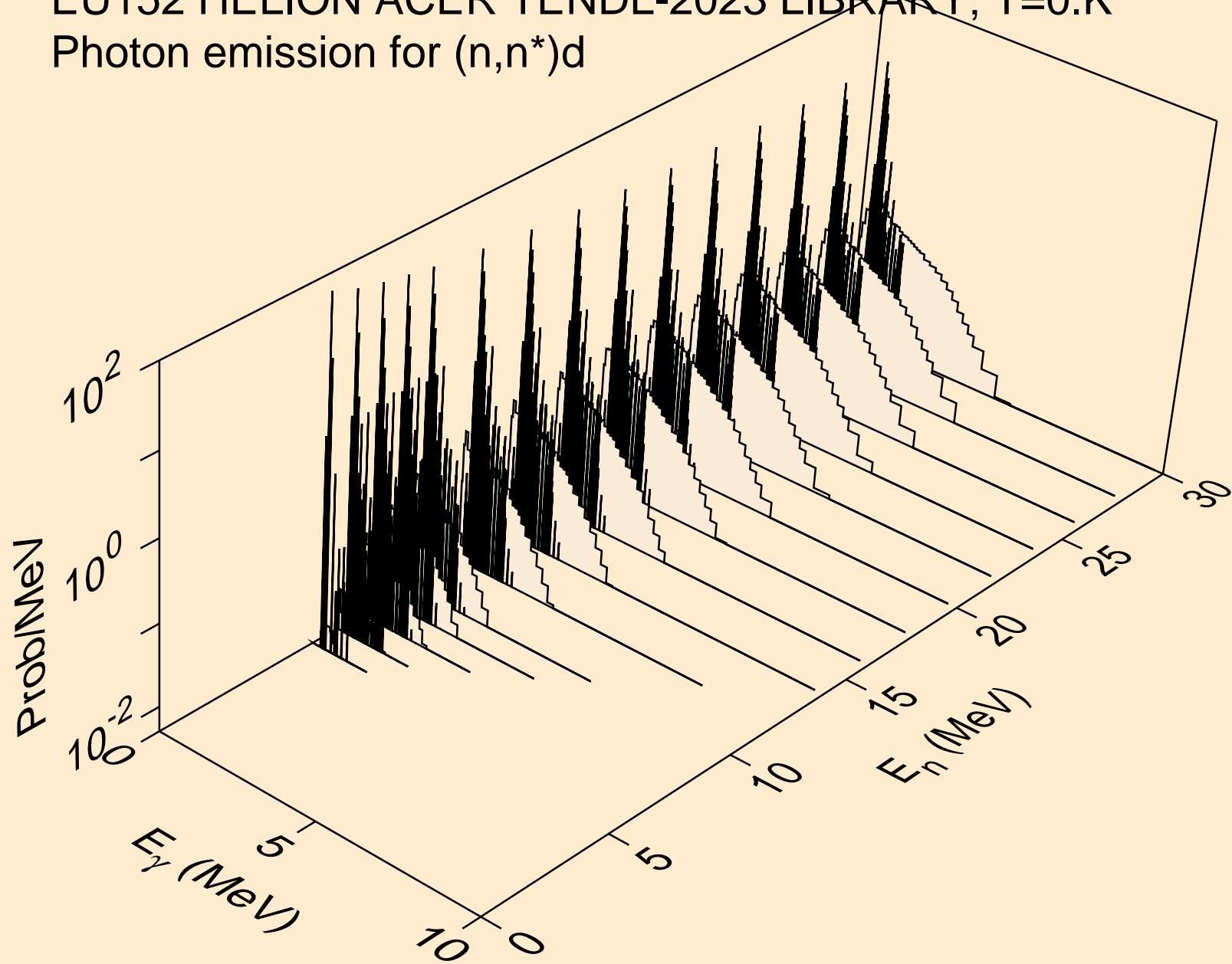
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



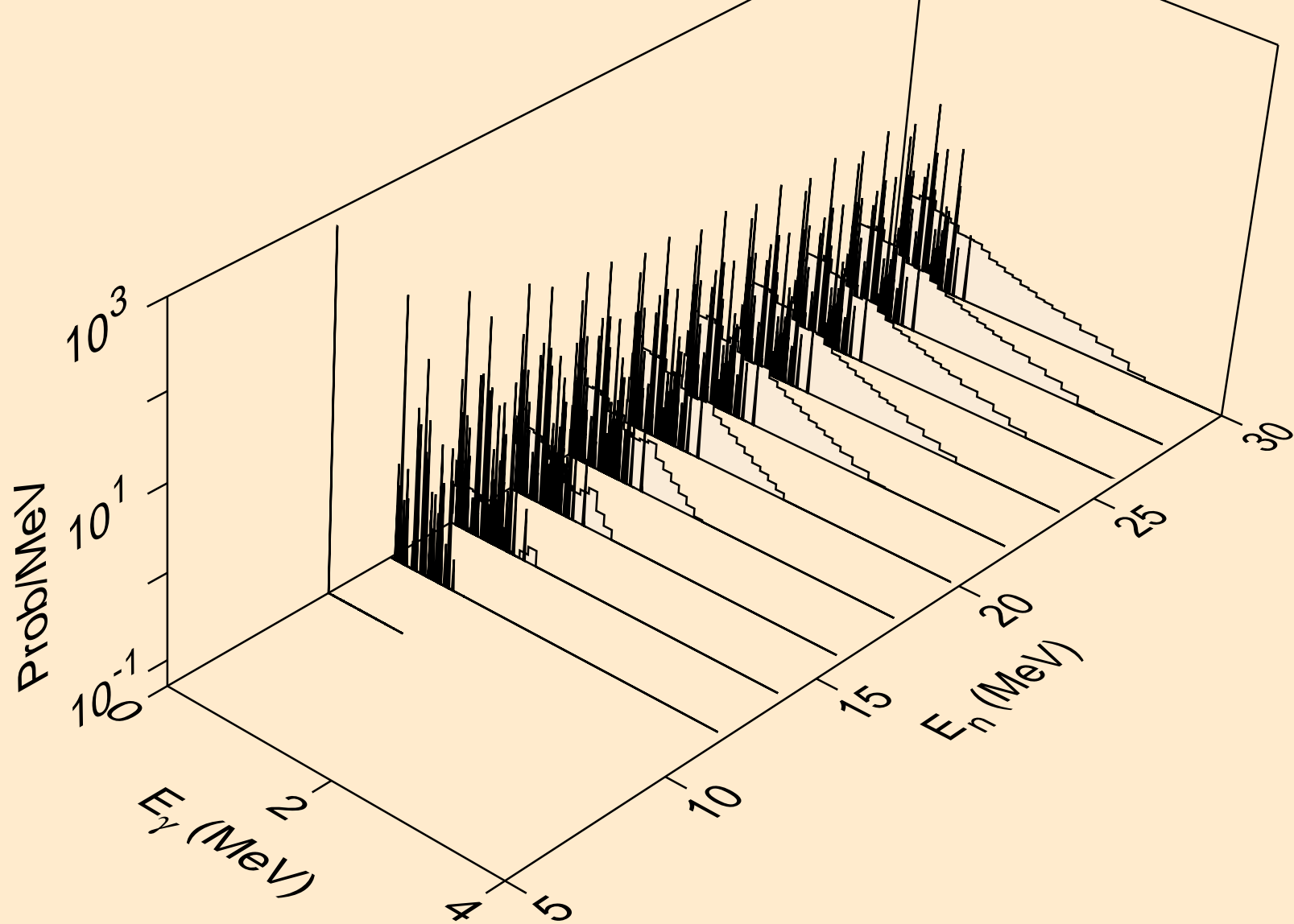
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



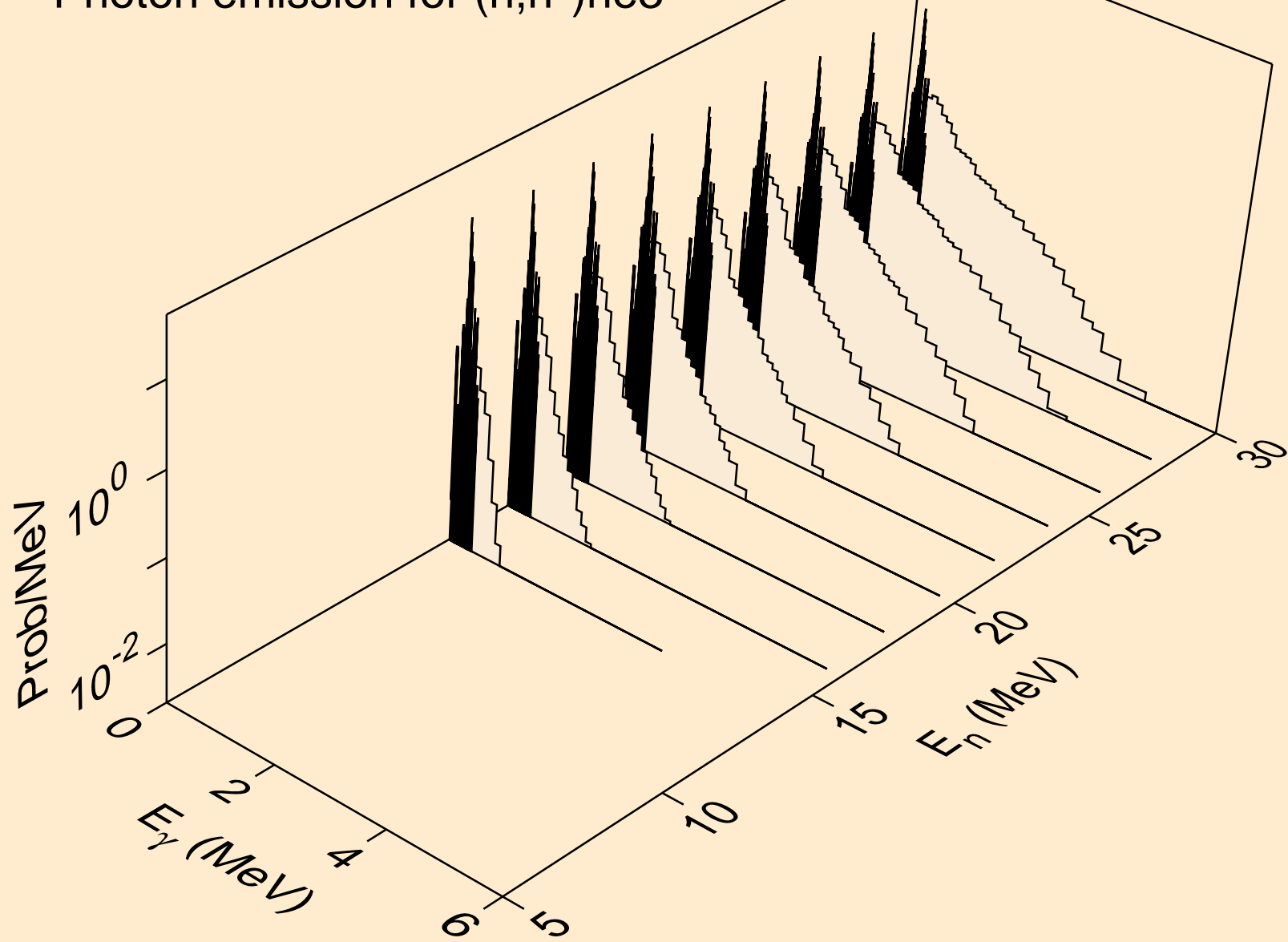
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



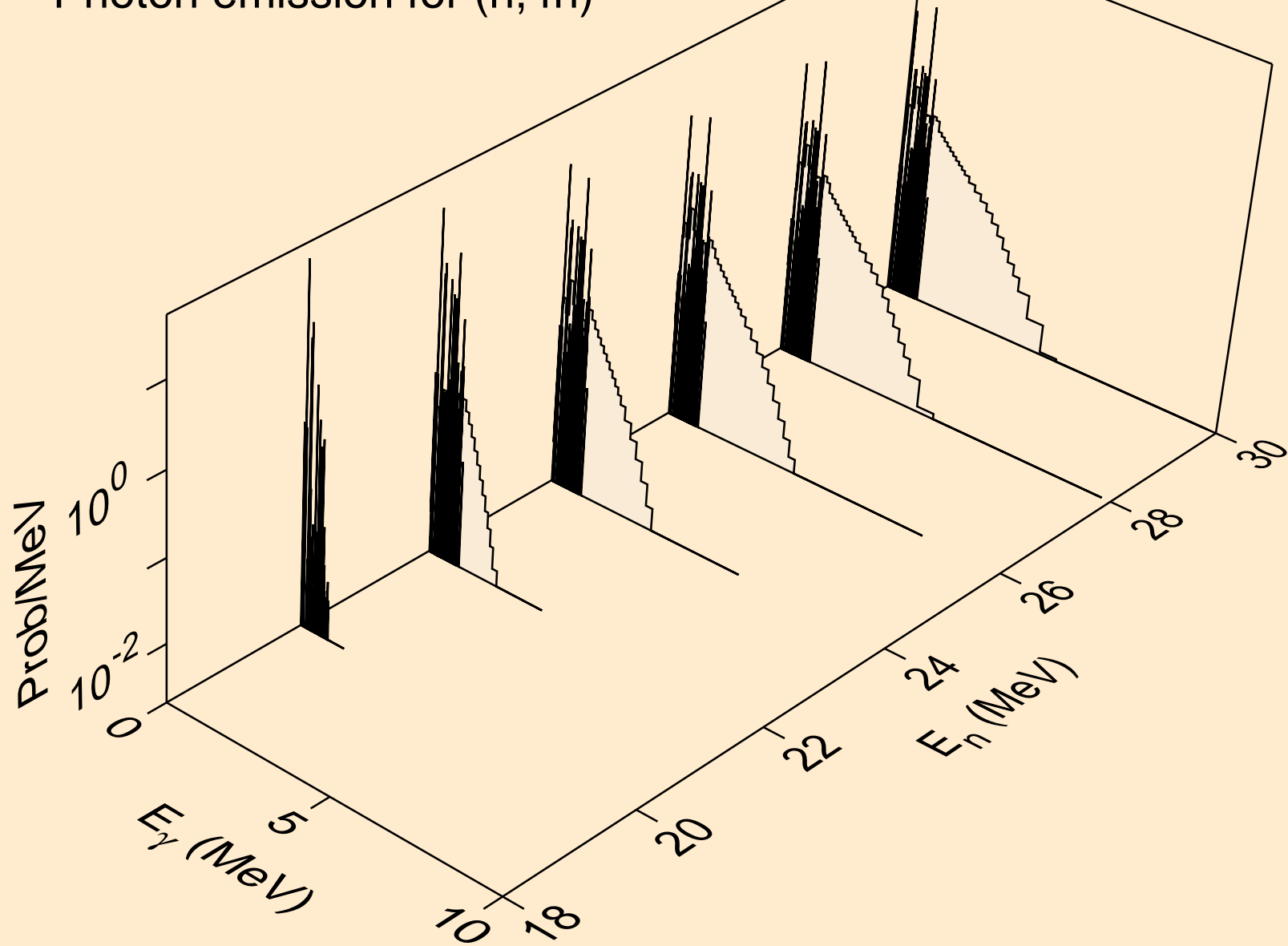
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

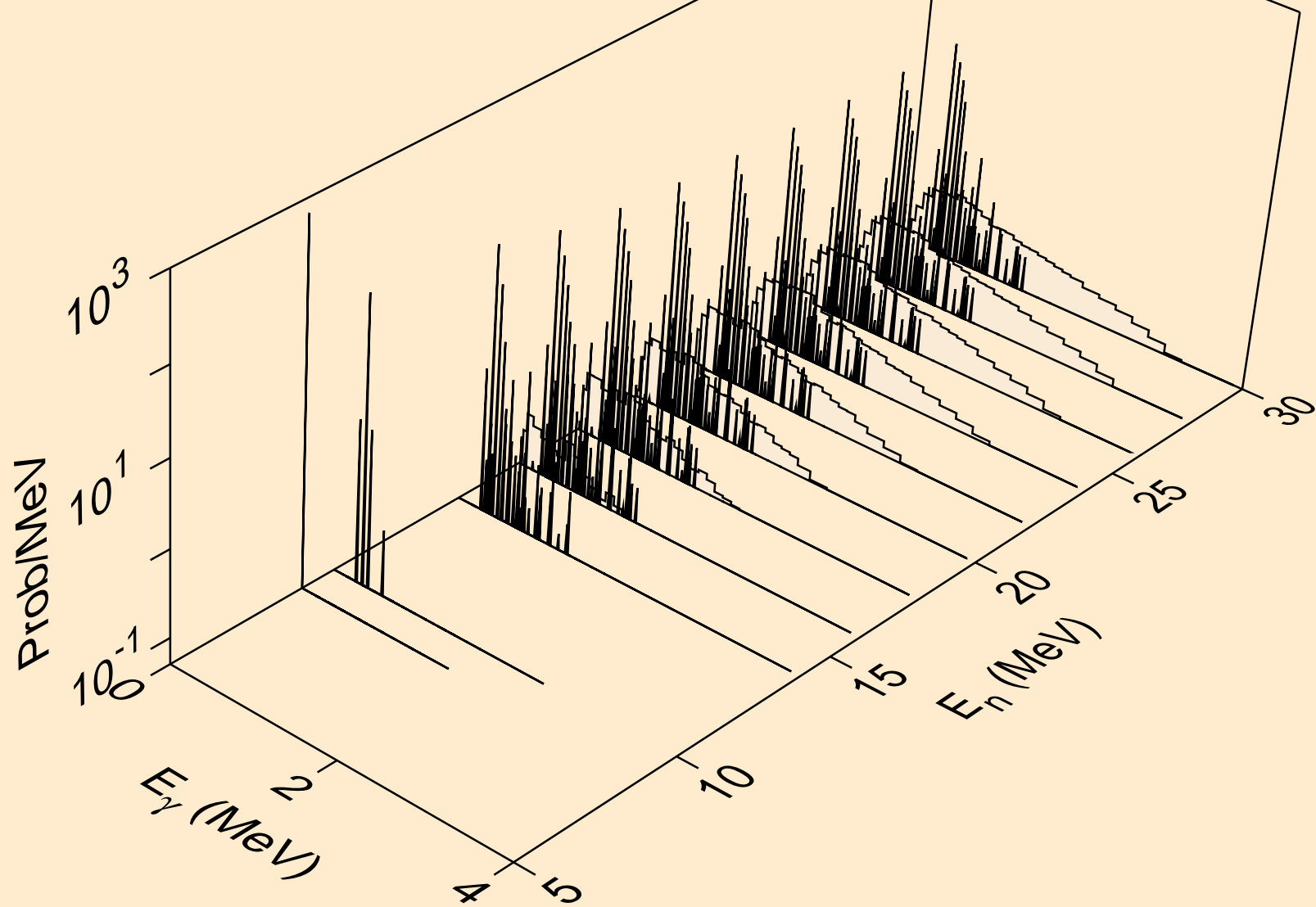


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Photon emission for (n,4n)

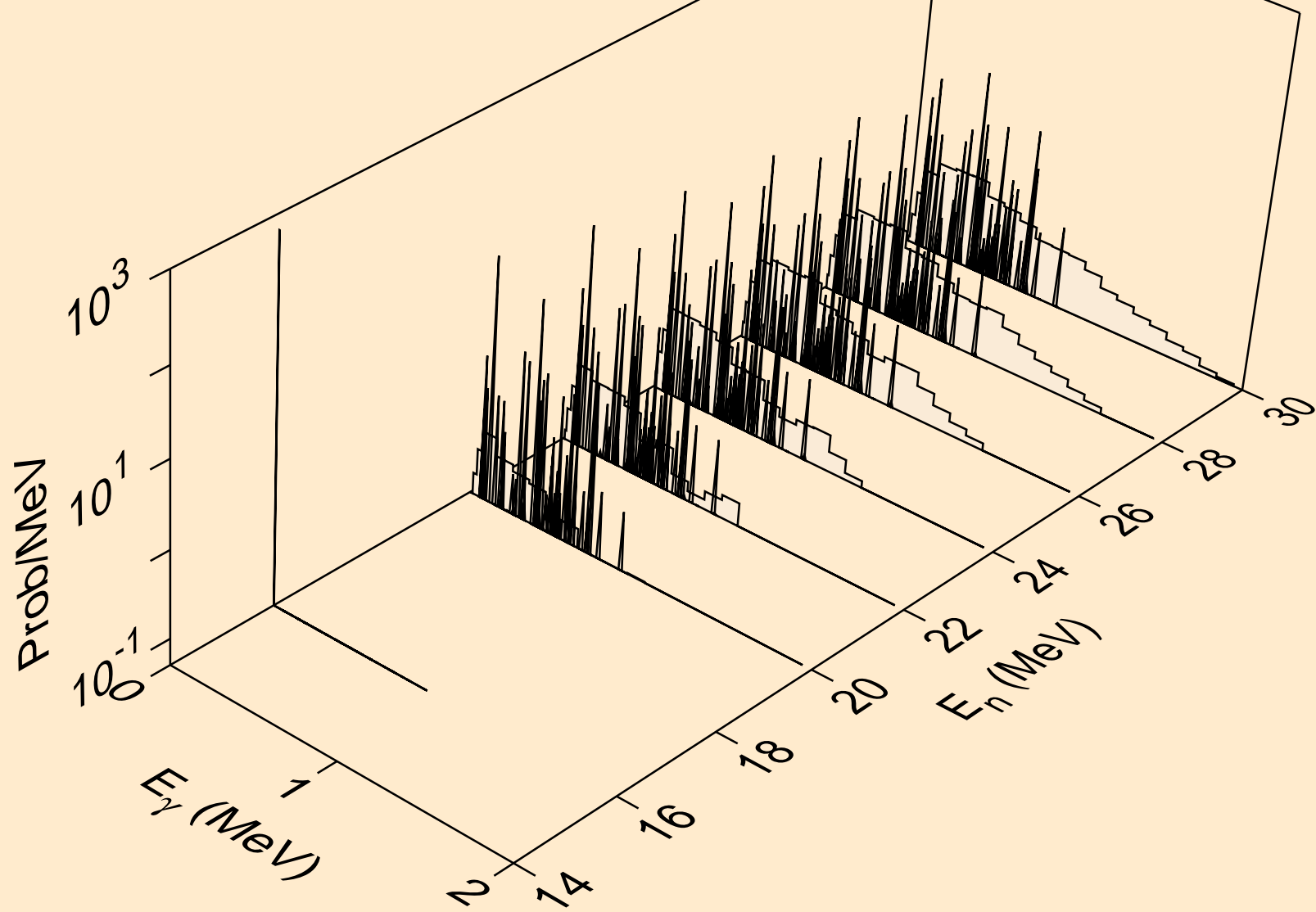




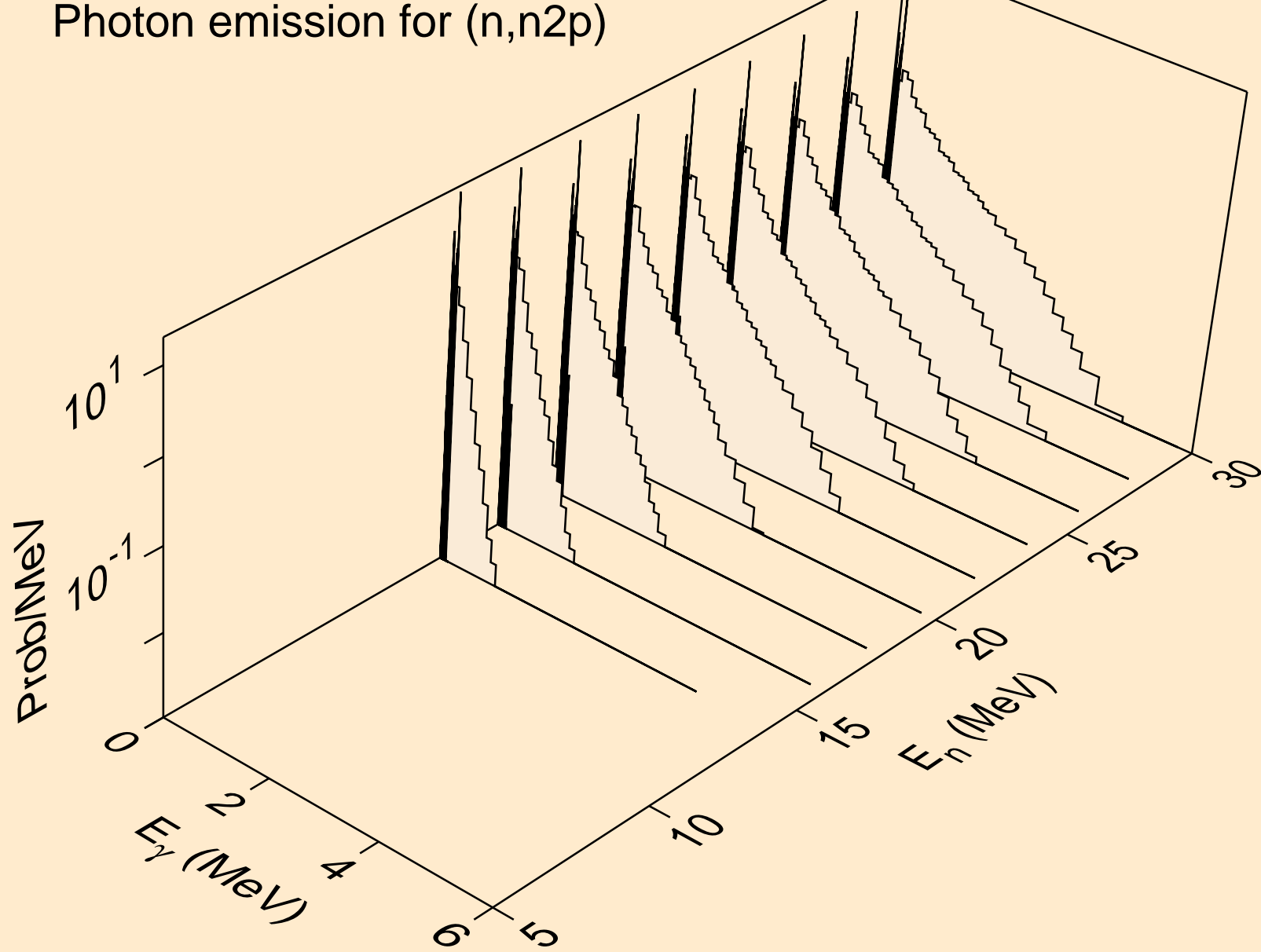
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Photon emission for (n,2np)



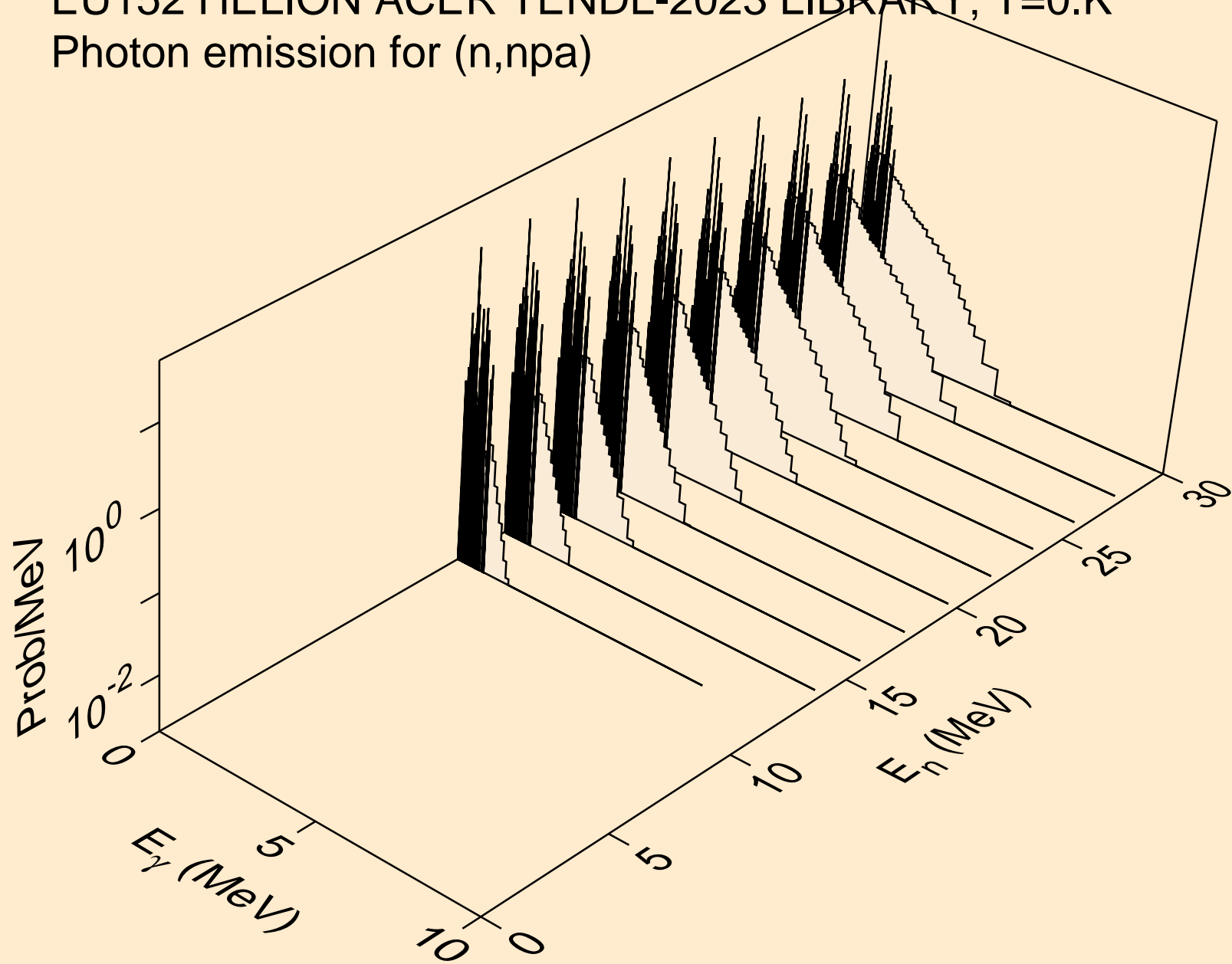
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



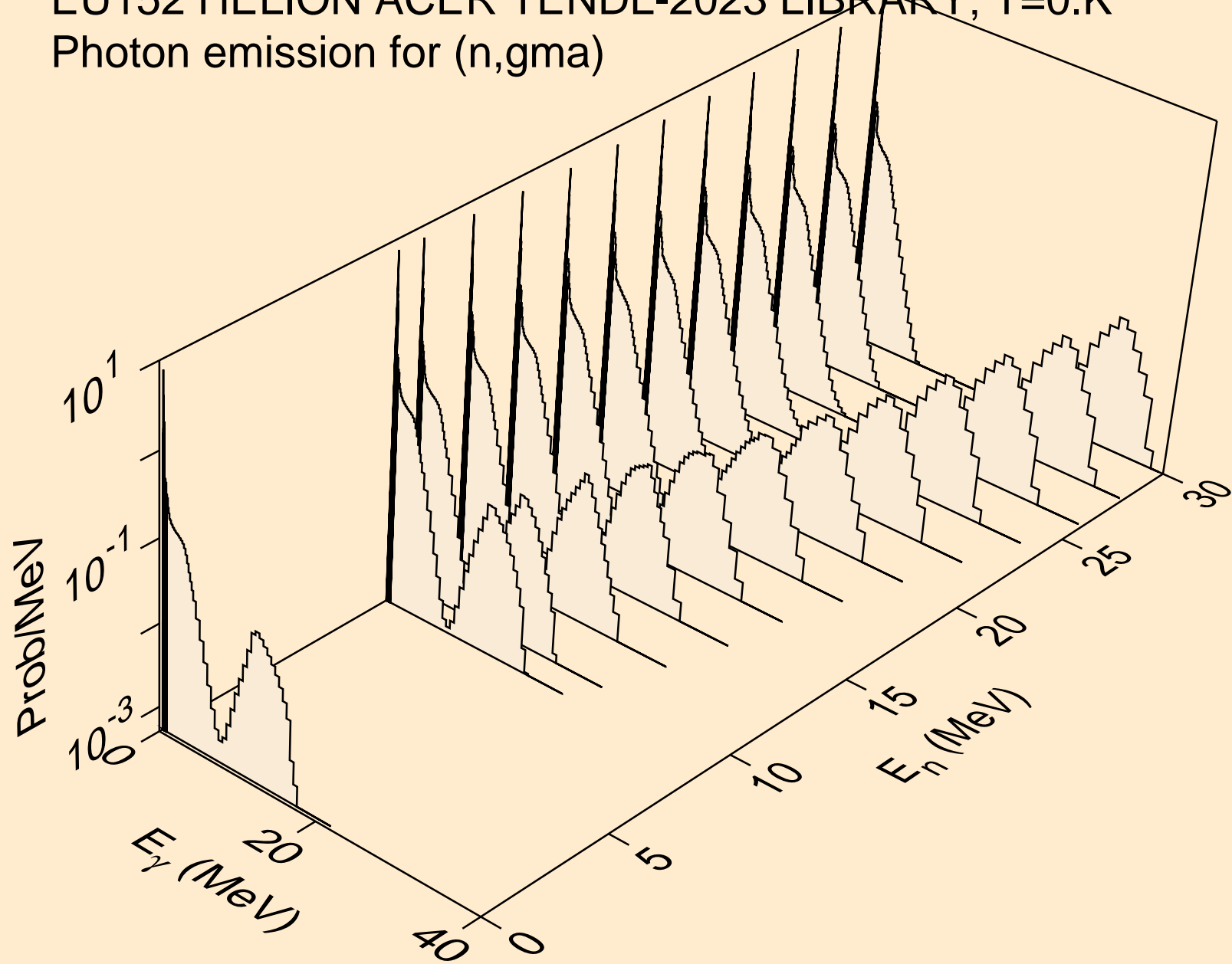
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Photon emission for (n,n2p)



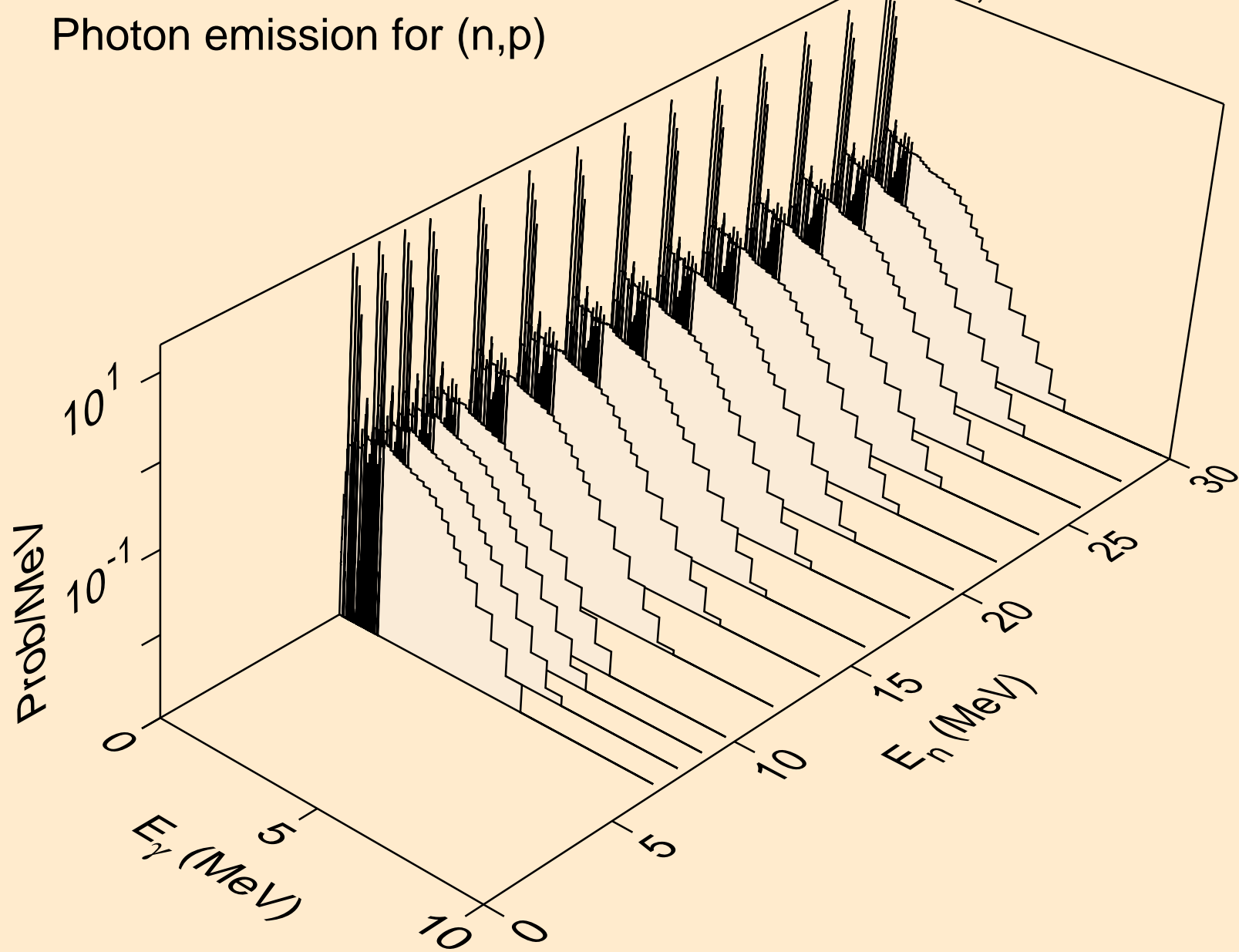
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



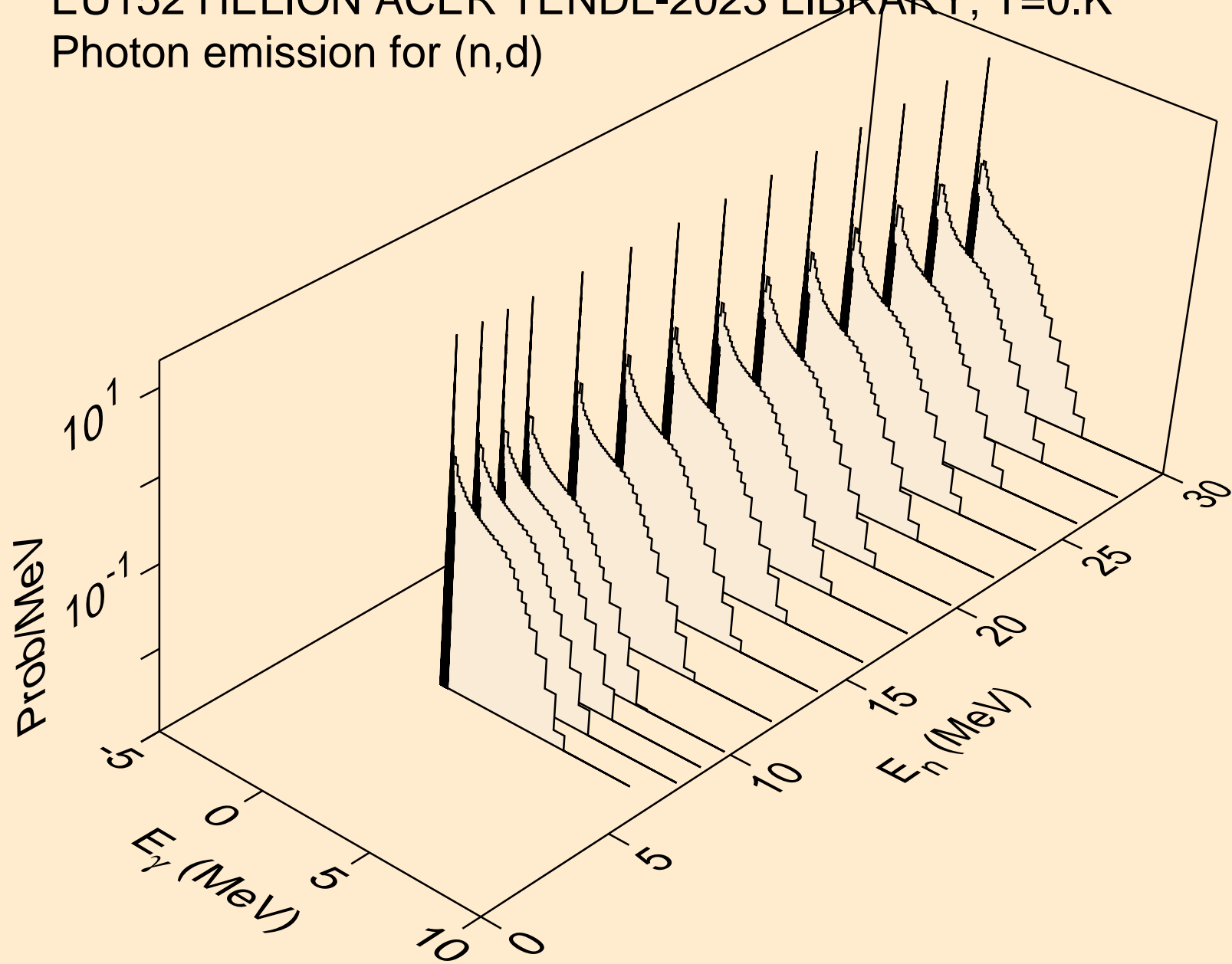
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Photon emission for (n,gma)



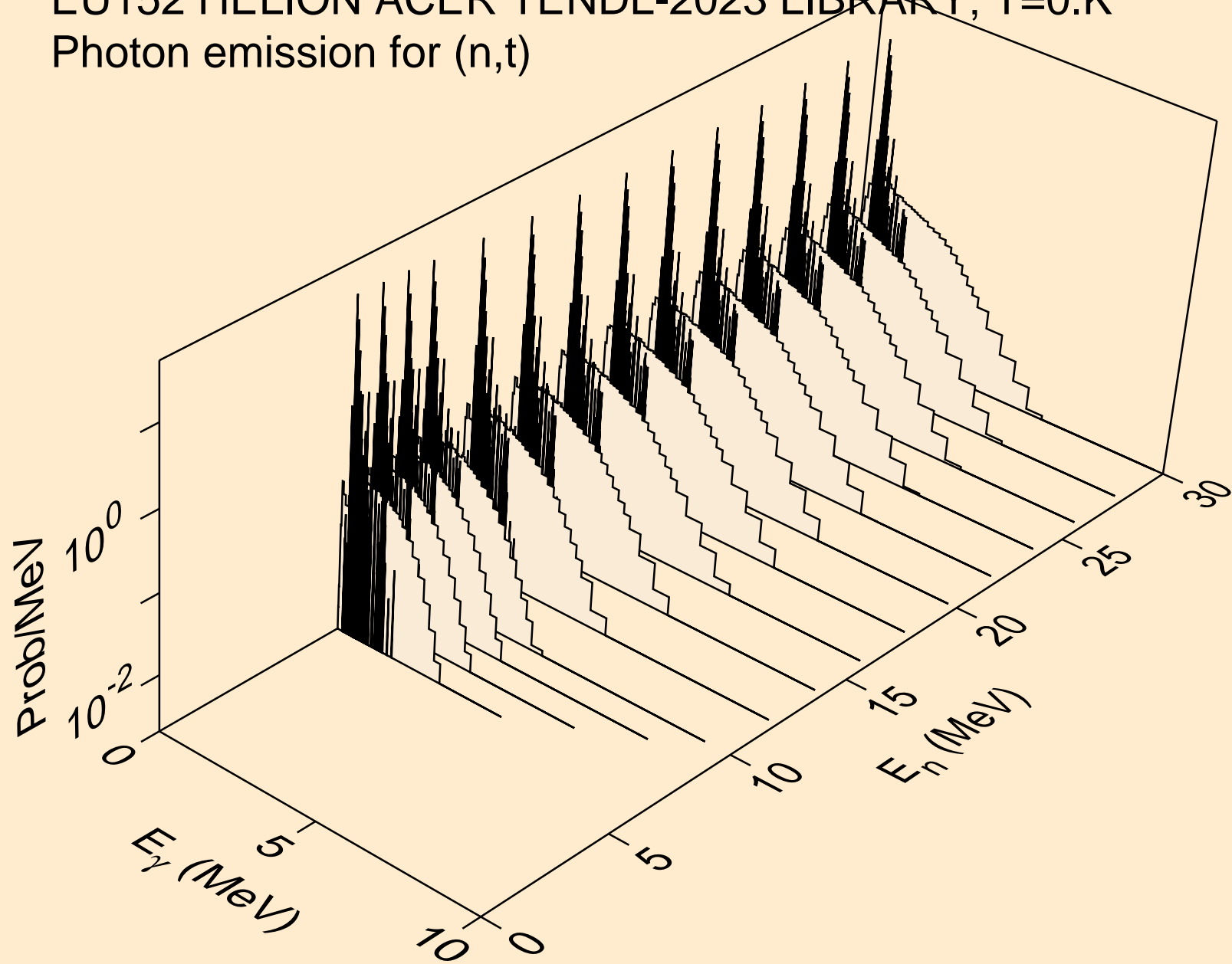
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)

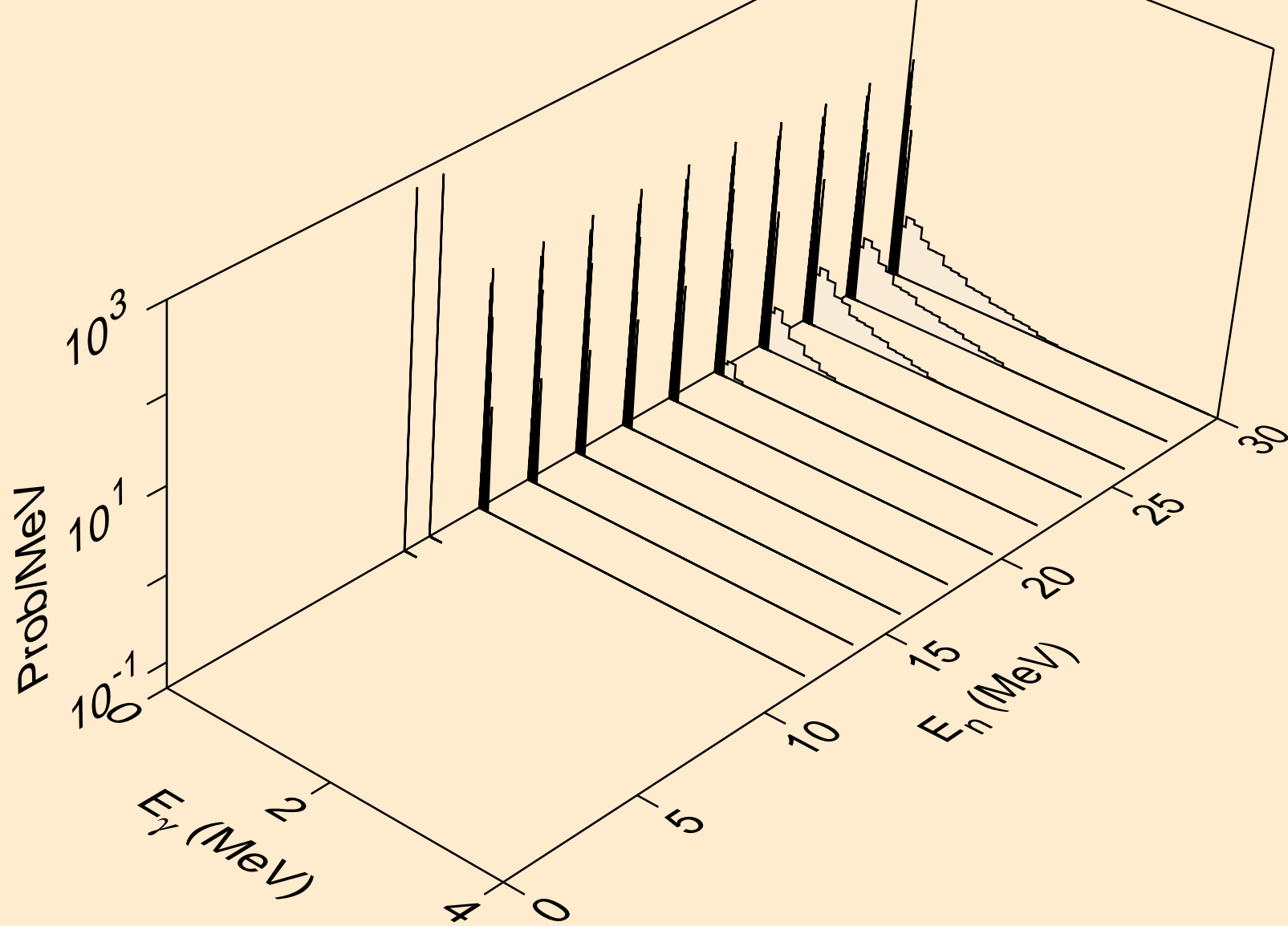


EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

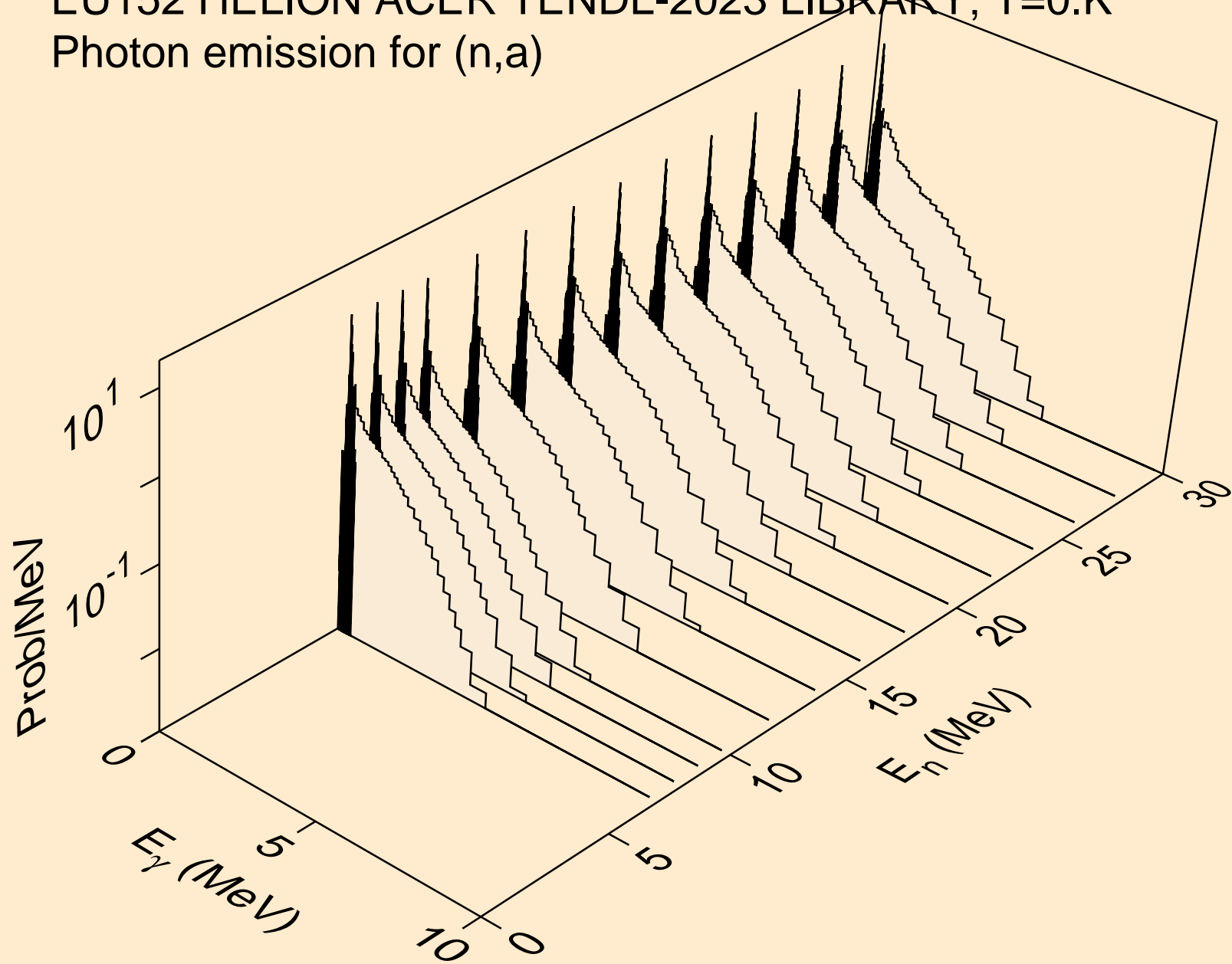




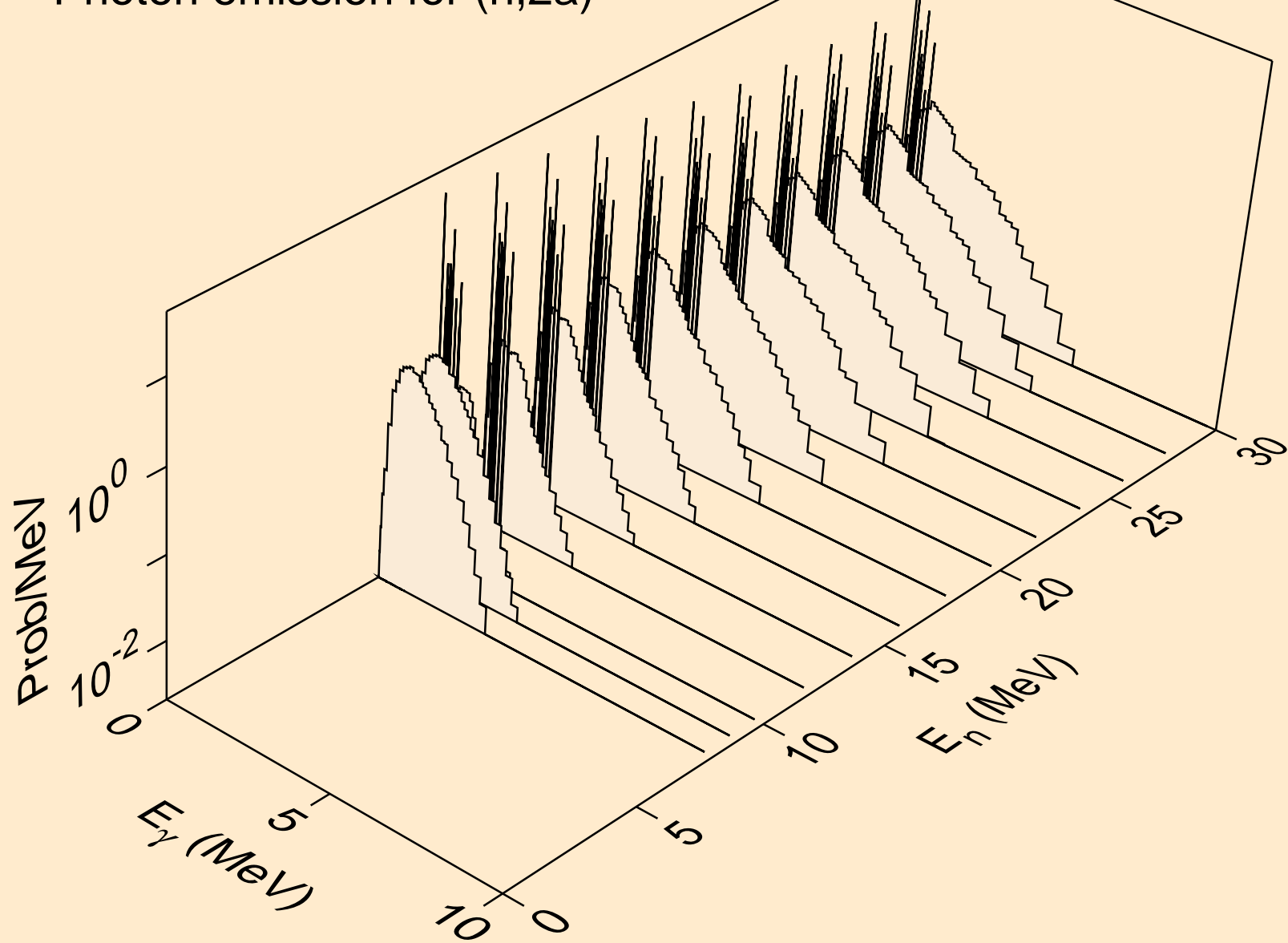
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



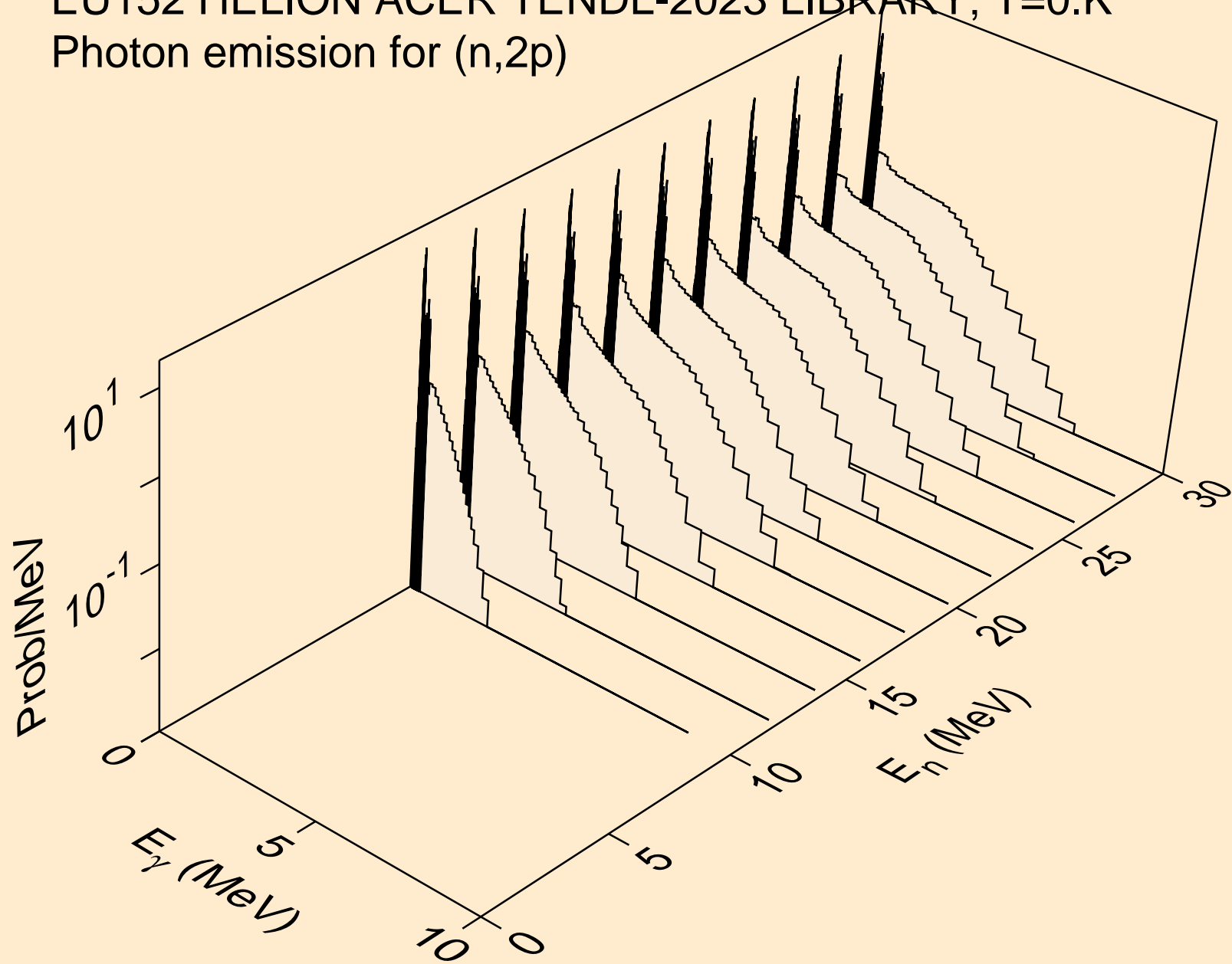
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



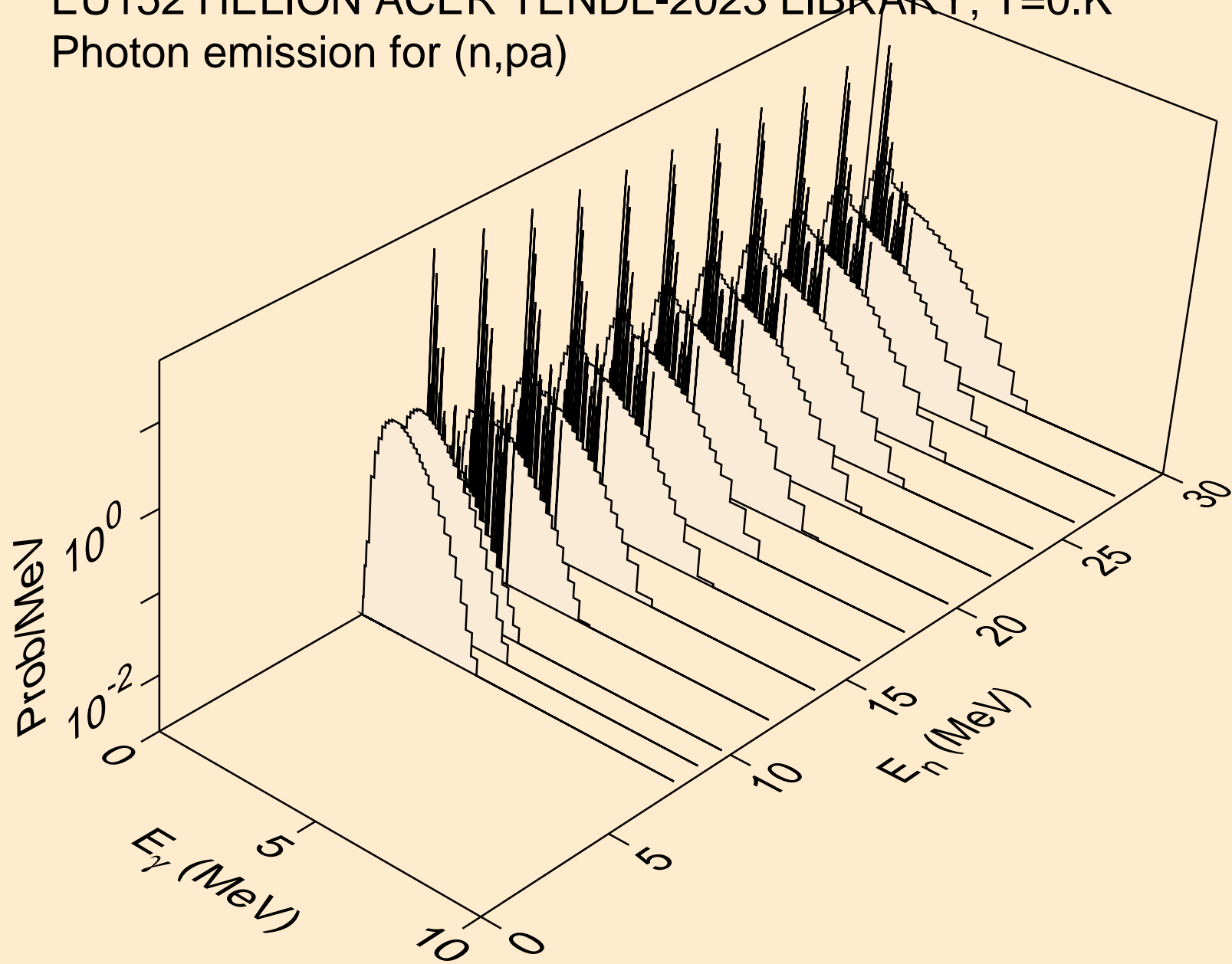
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Photon emission for (n,2a)



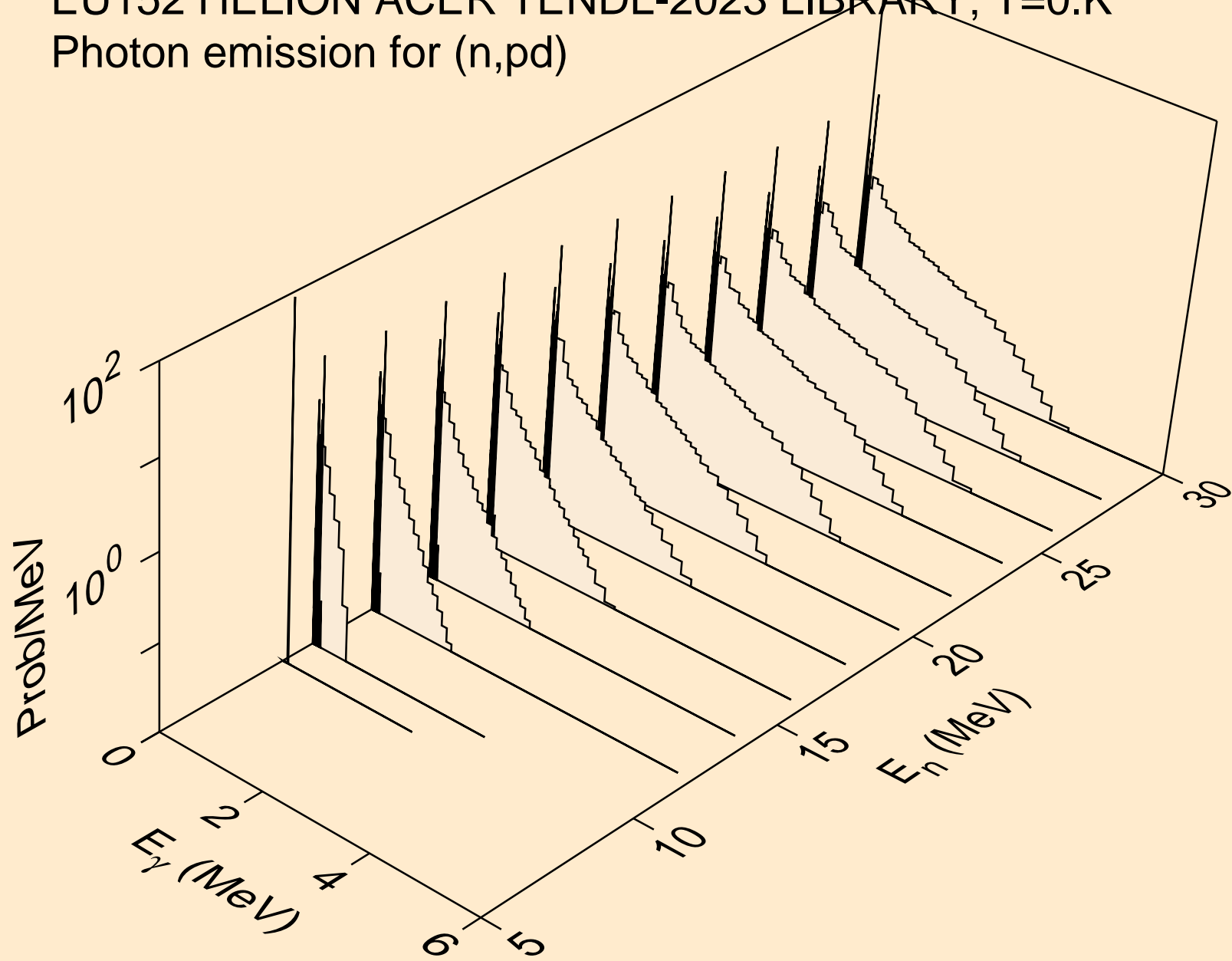
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Photon emission for (n,2p)



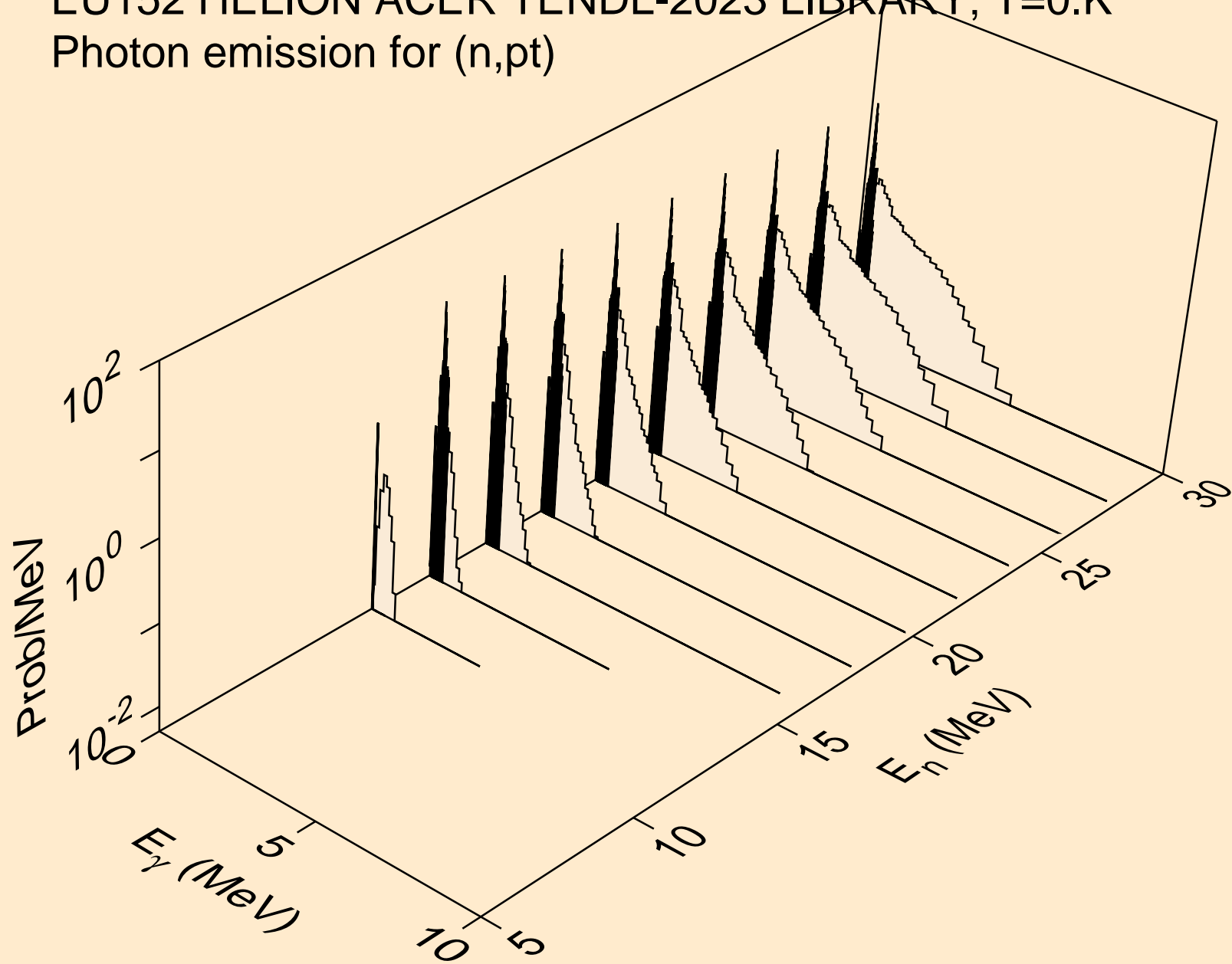
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)



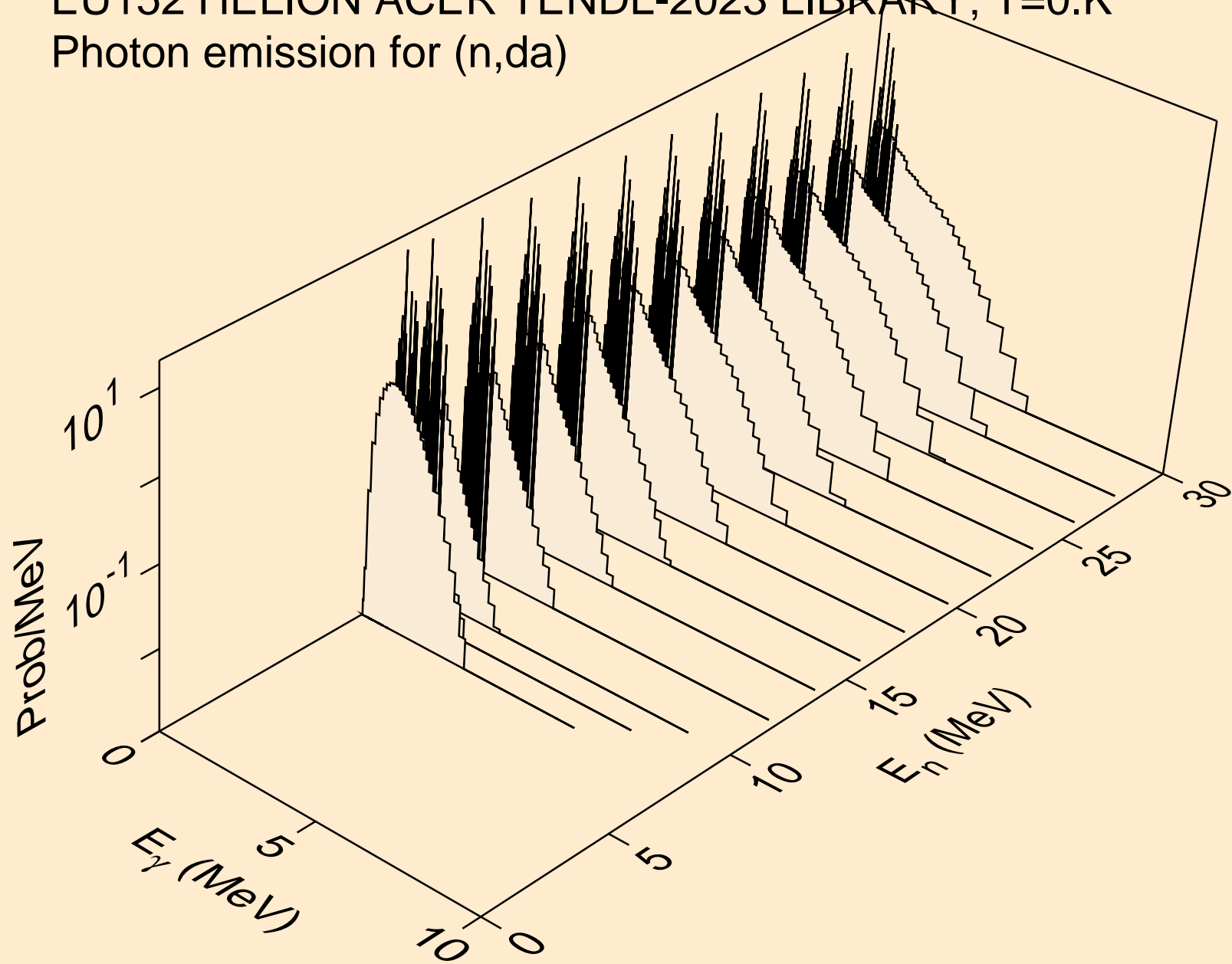
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



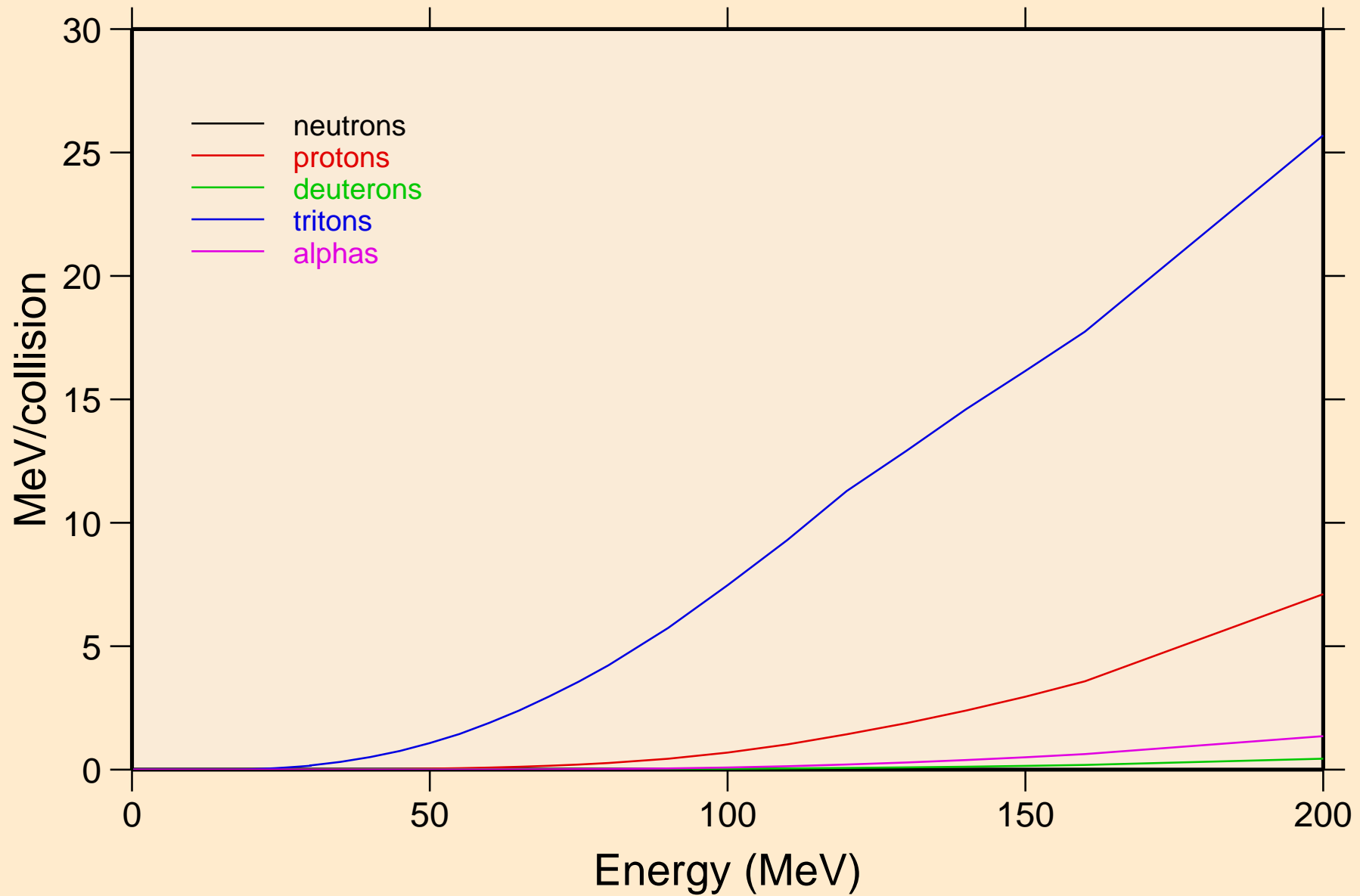
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



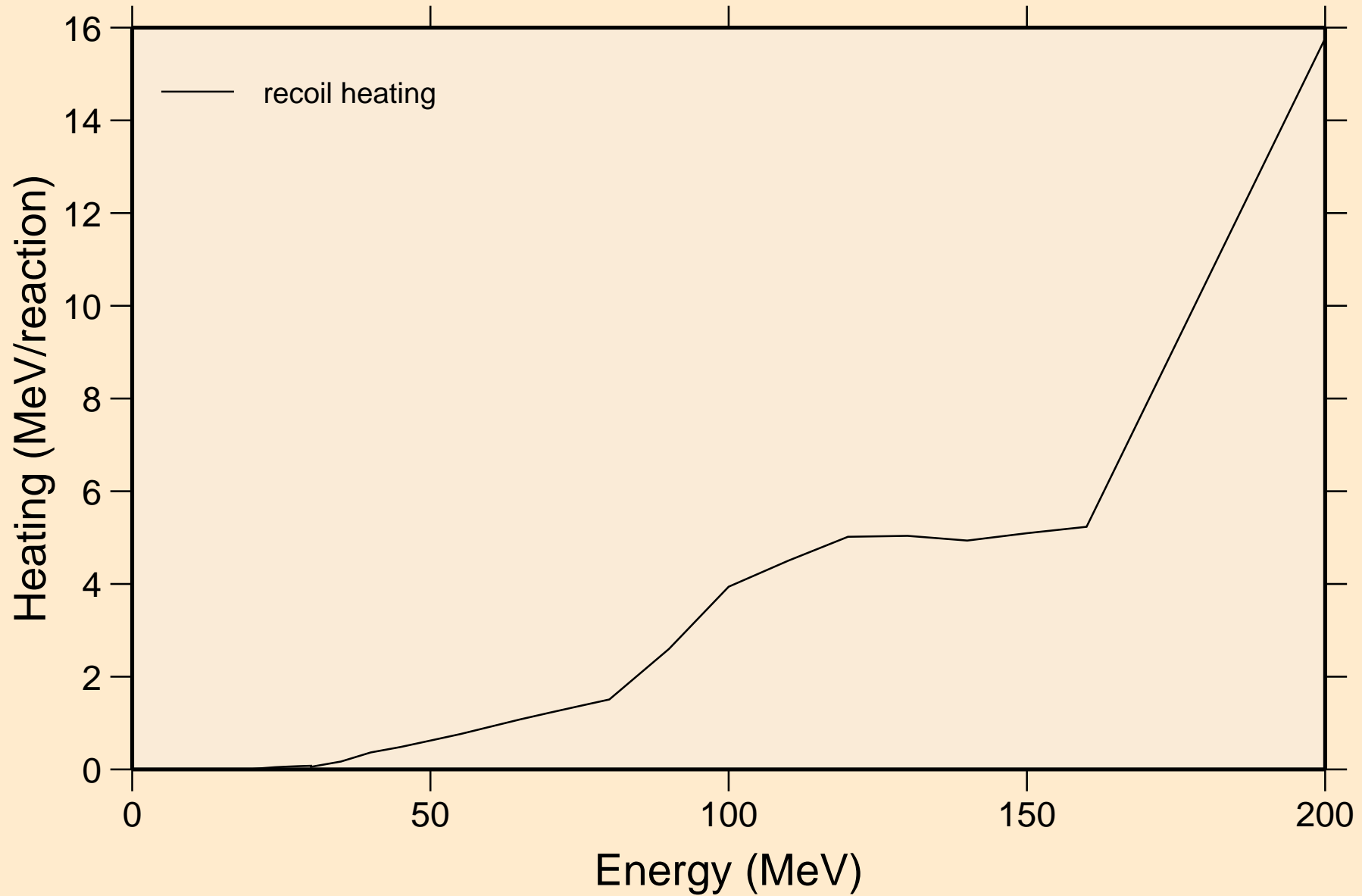


# EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K

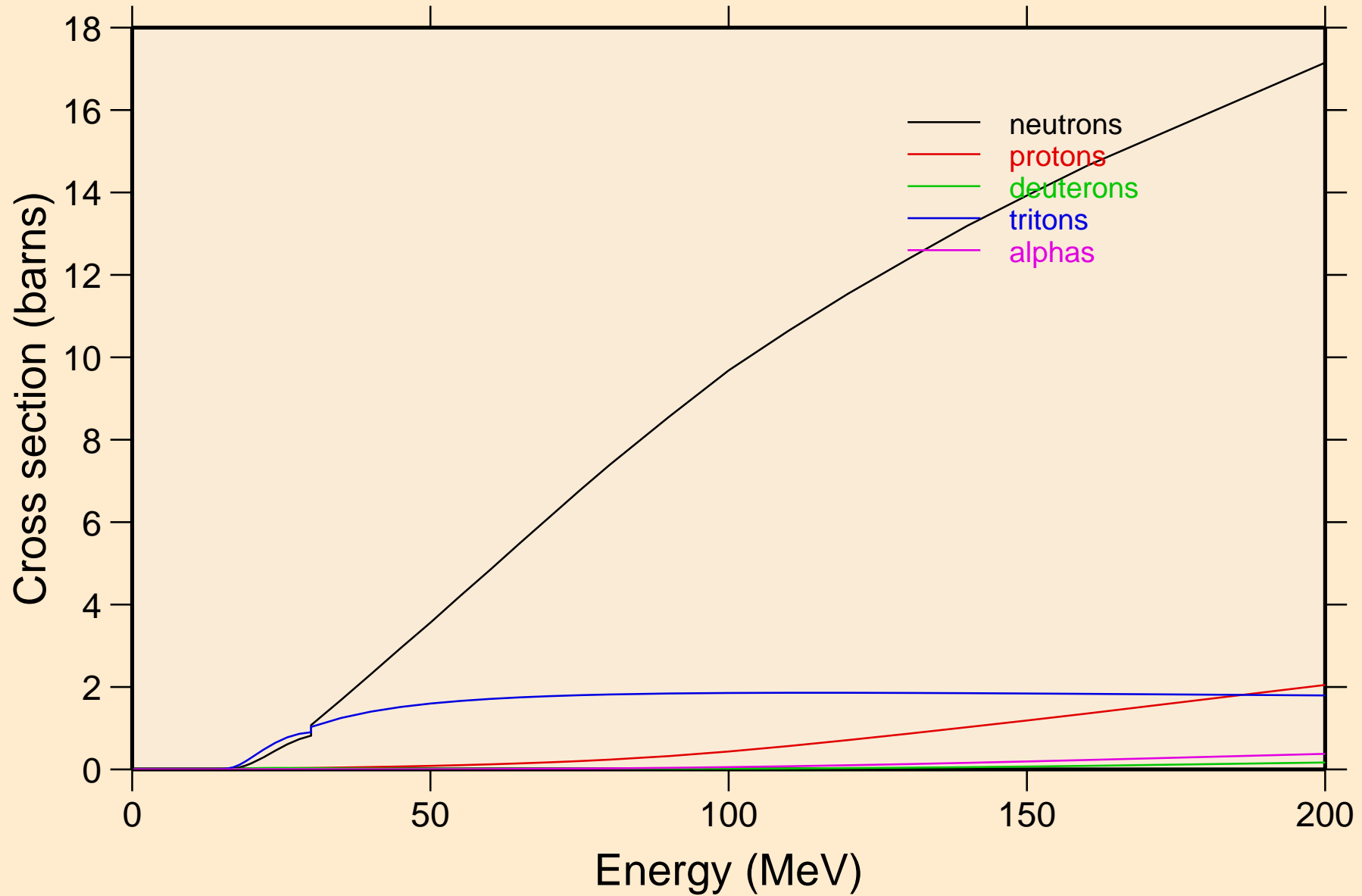
## Particle heating contributions



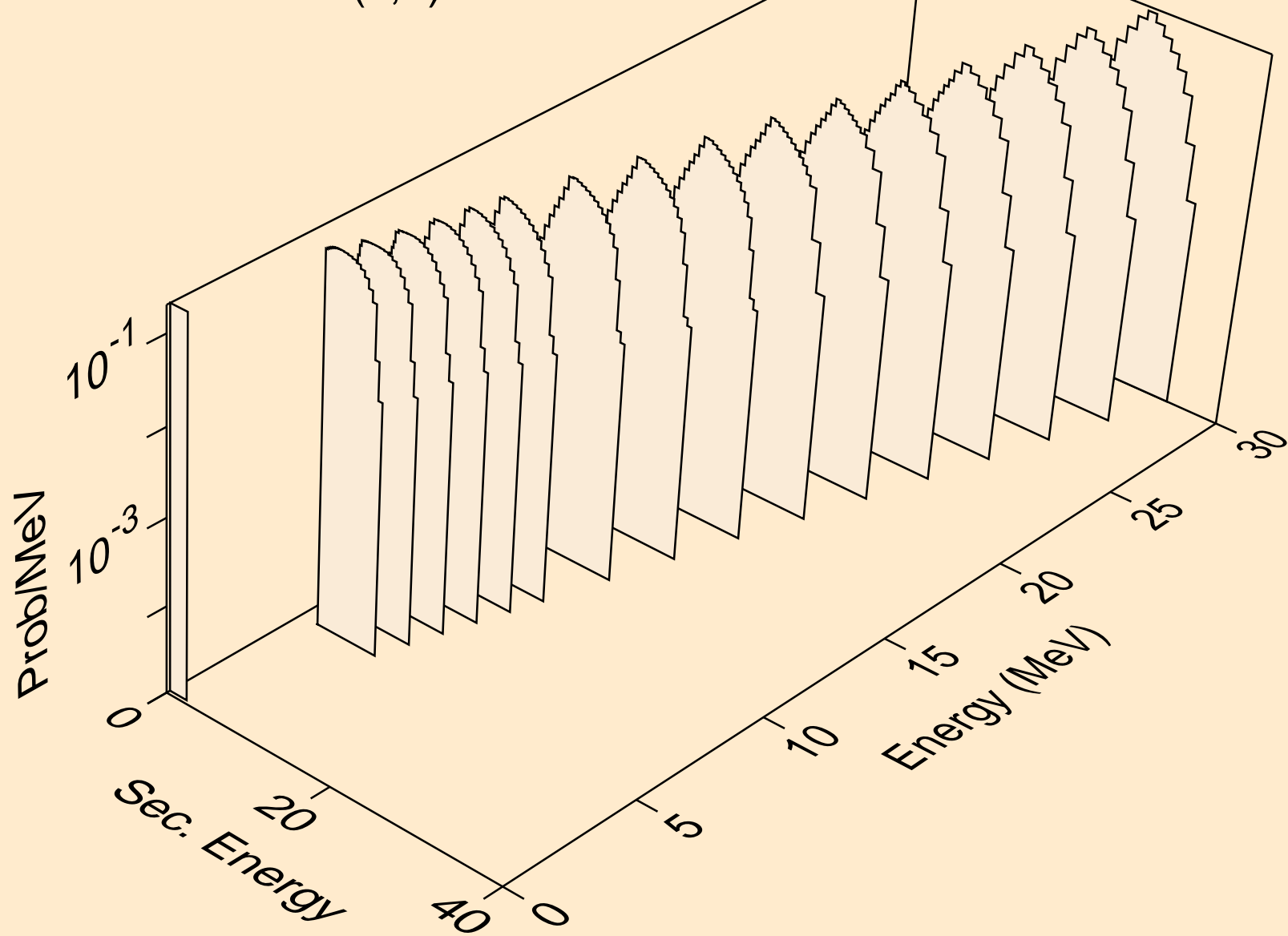
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



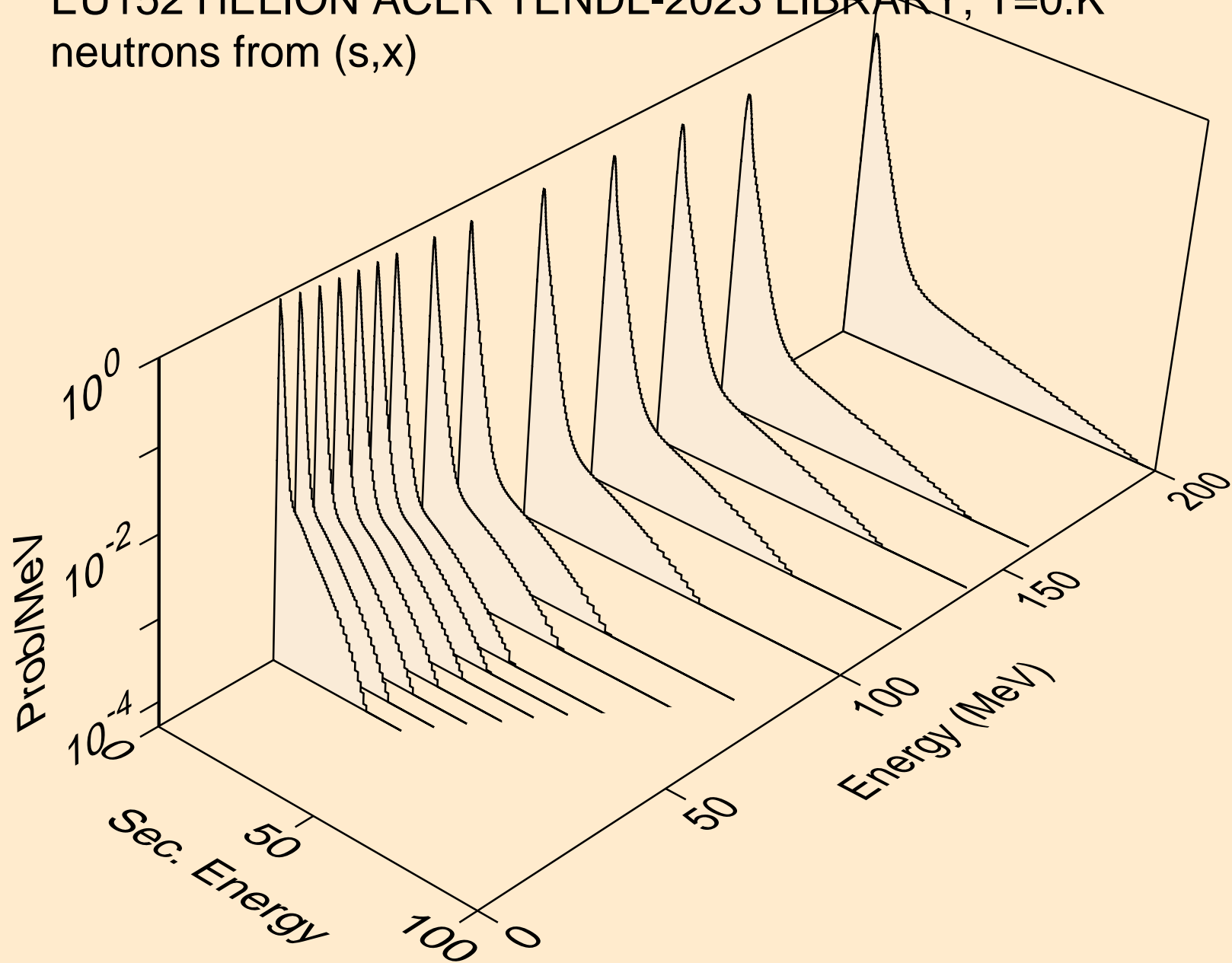
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



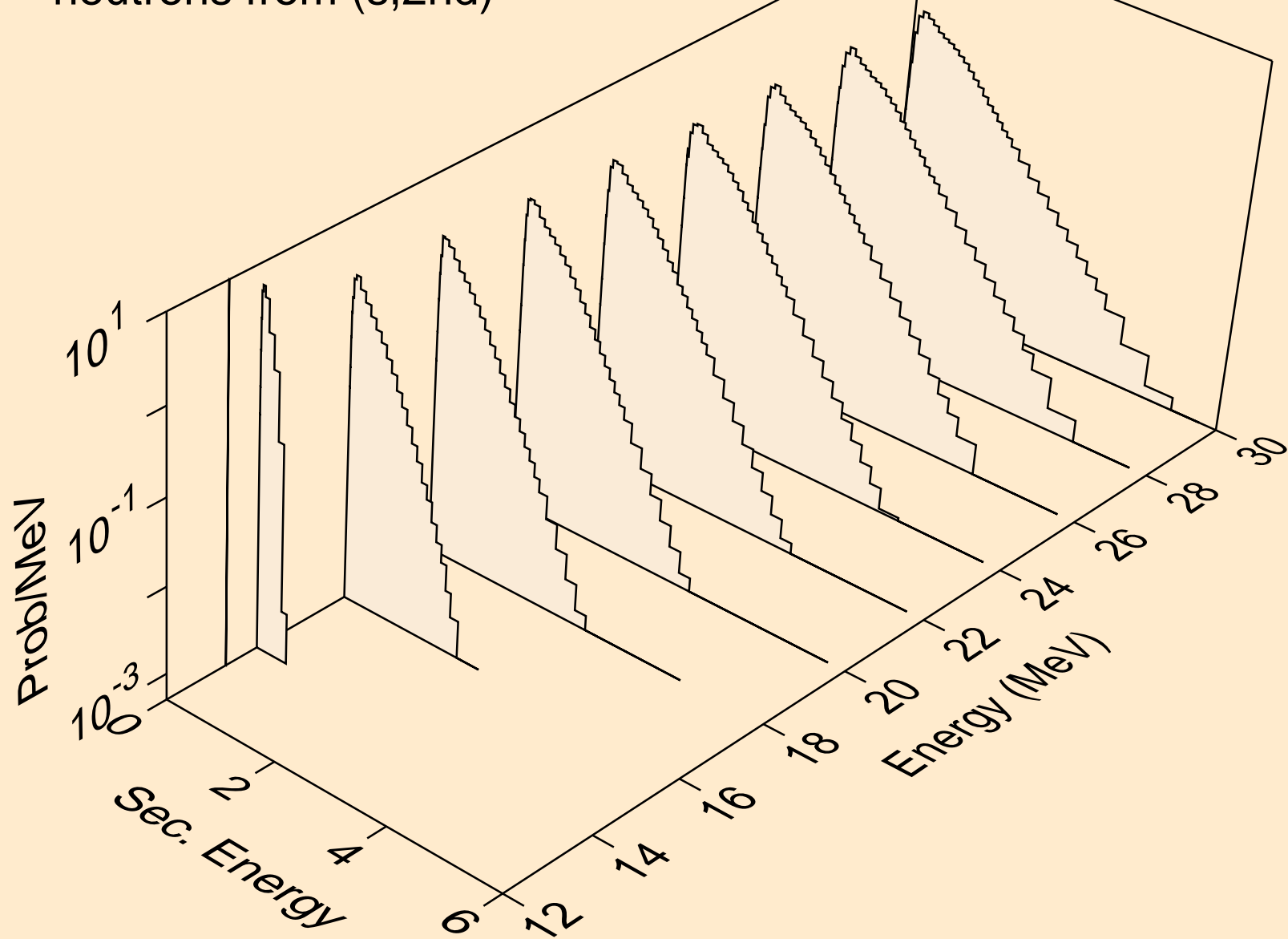
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



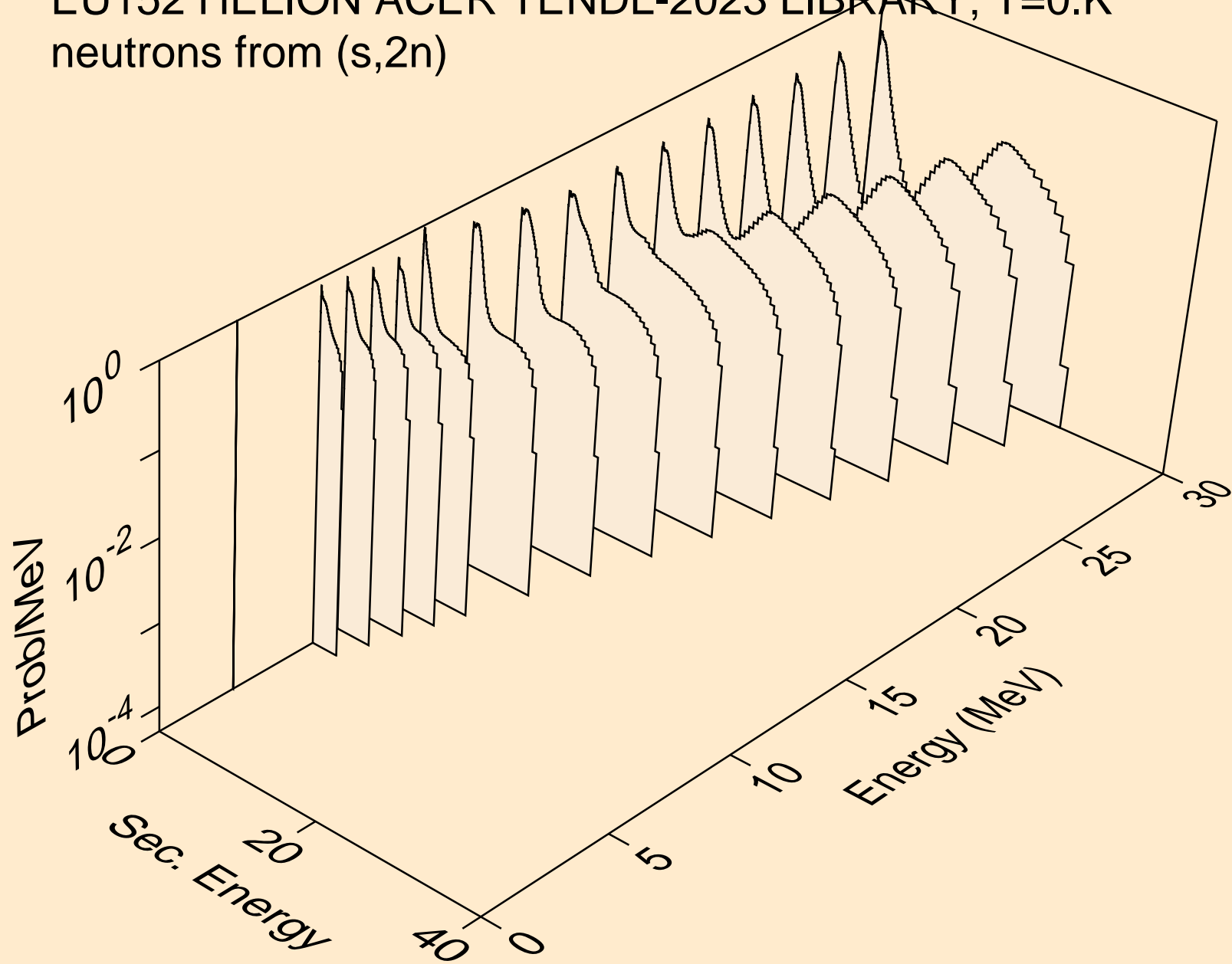
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,x)



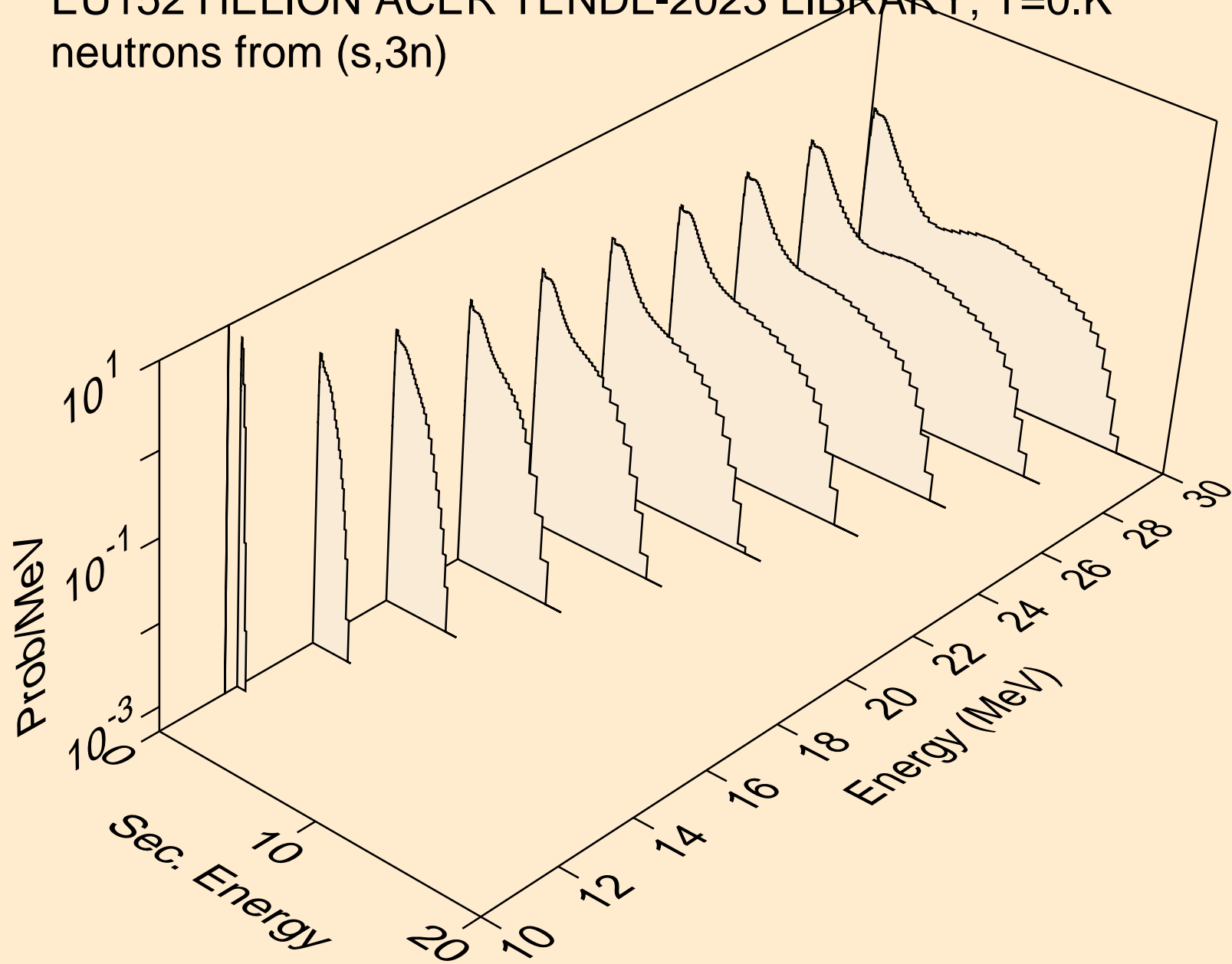
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2nd)



EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)

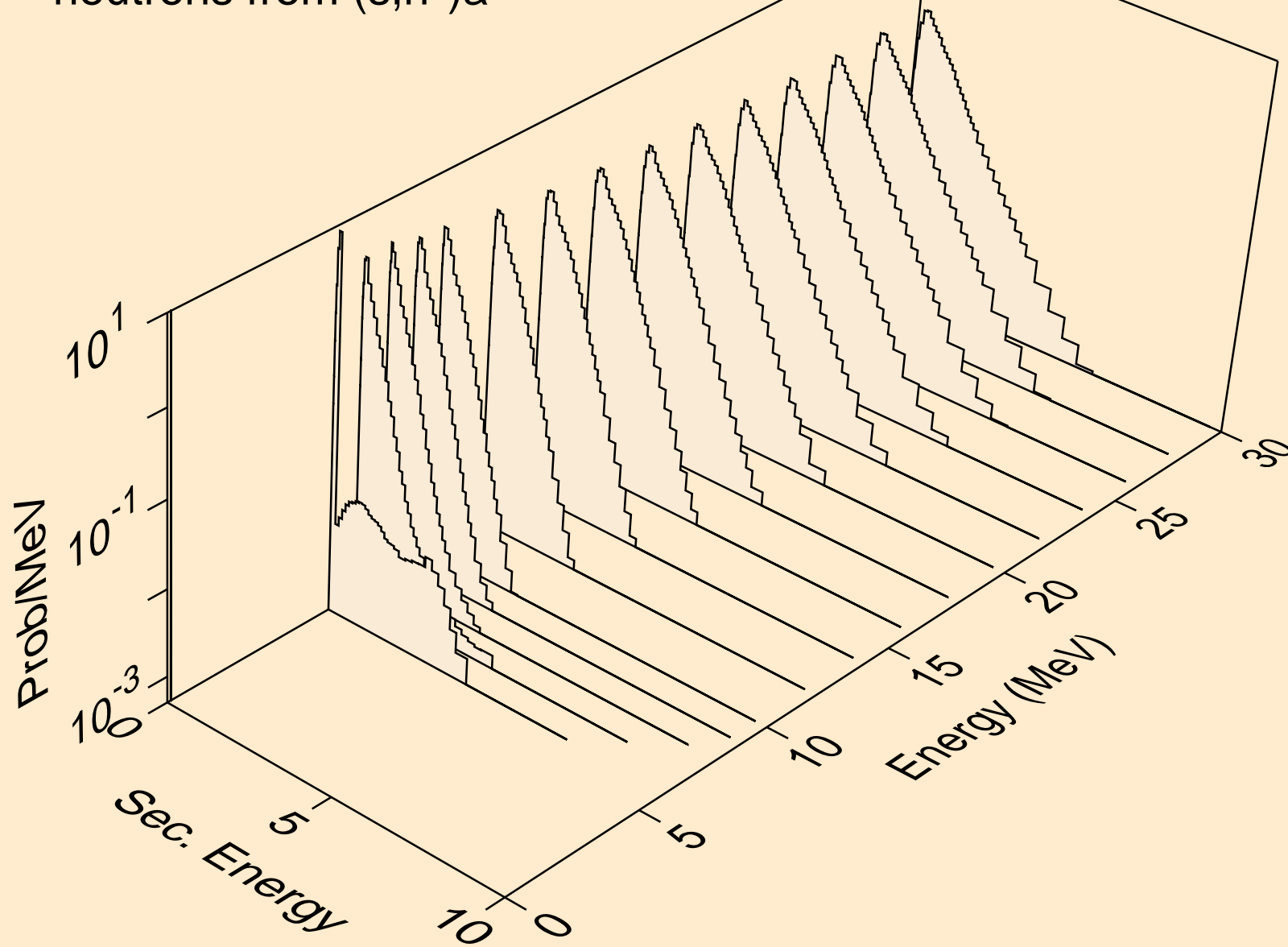


EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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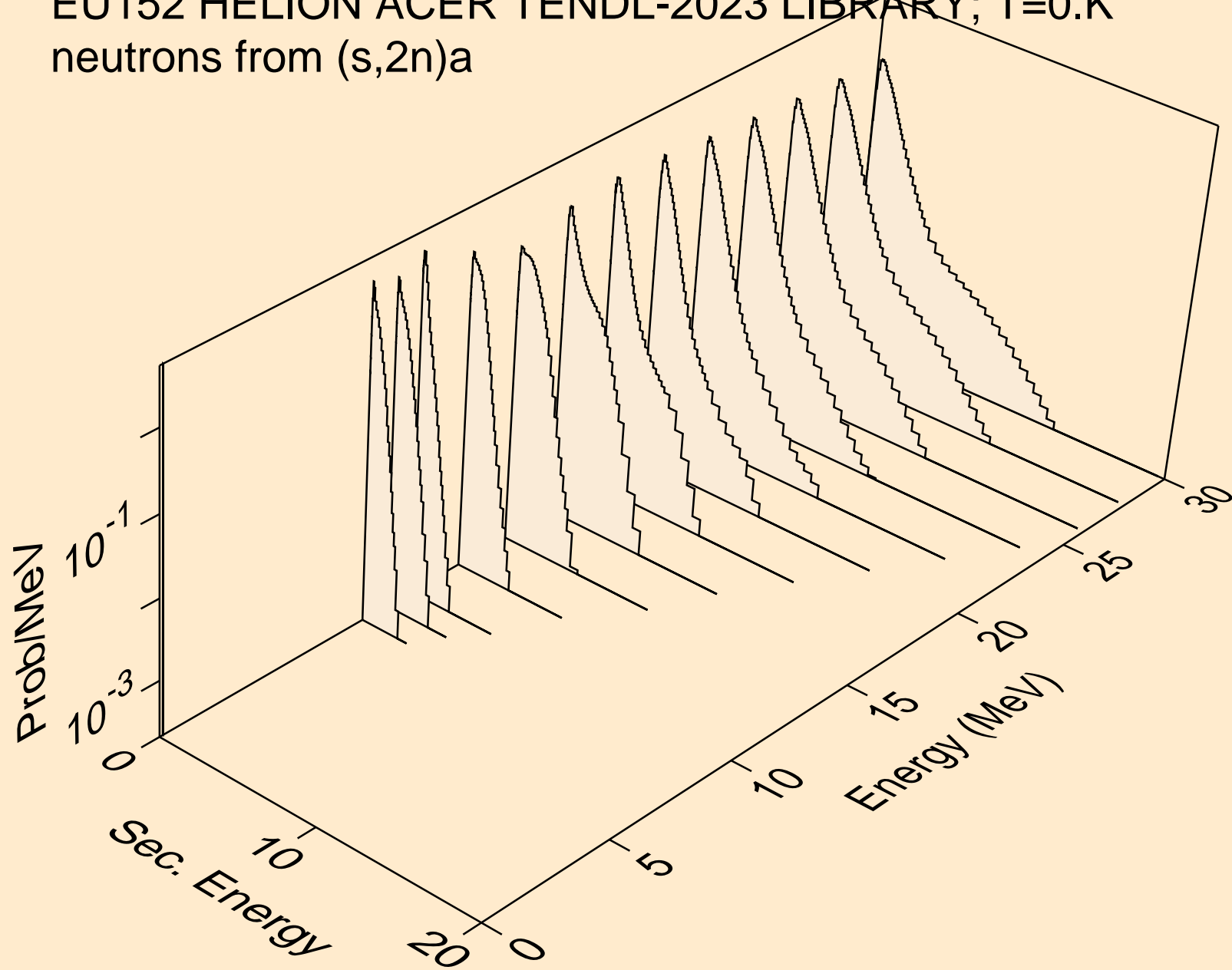




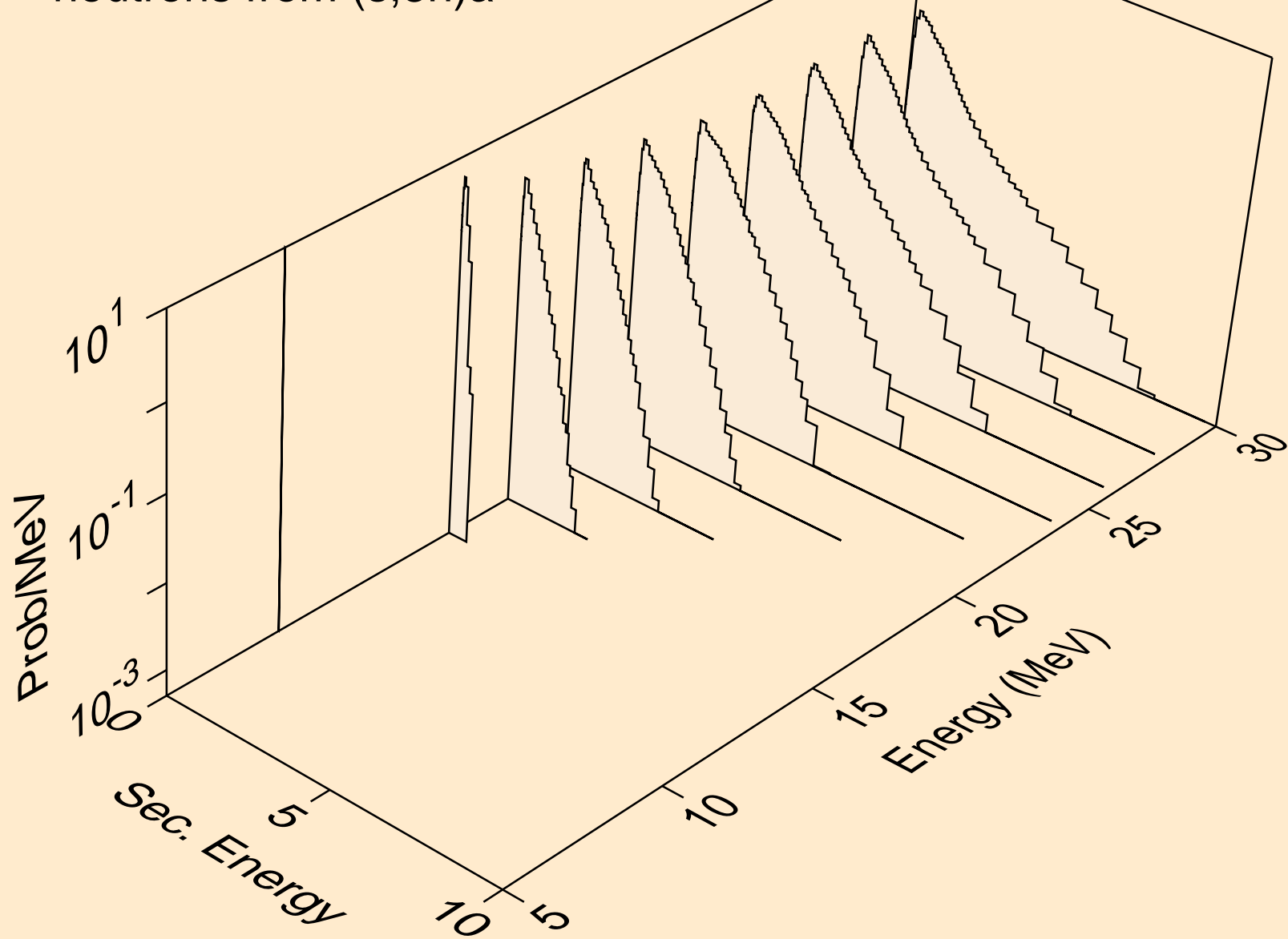
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a



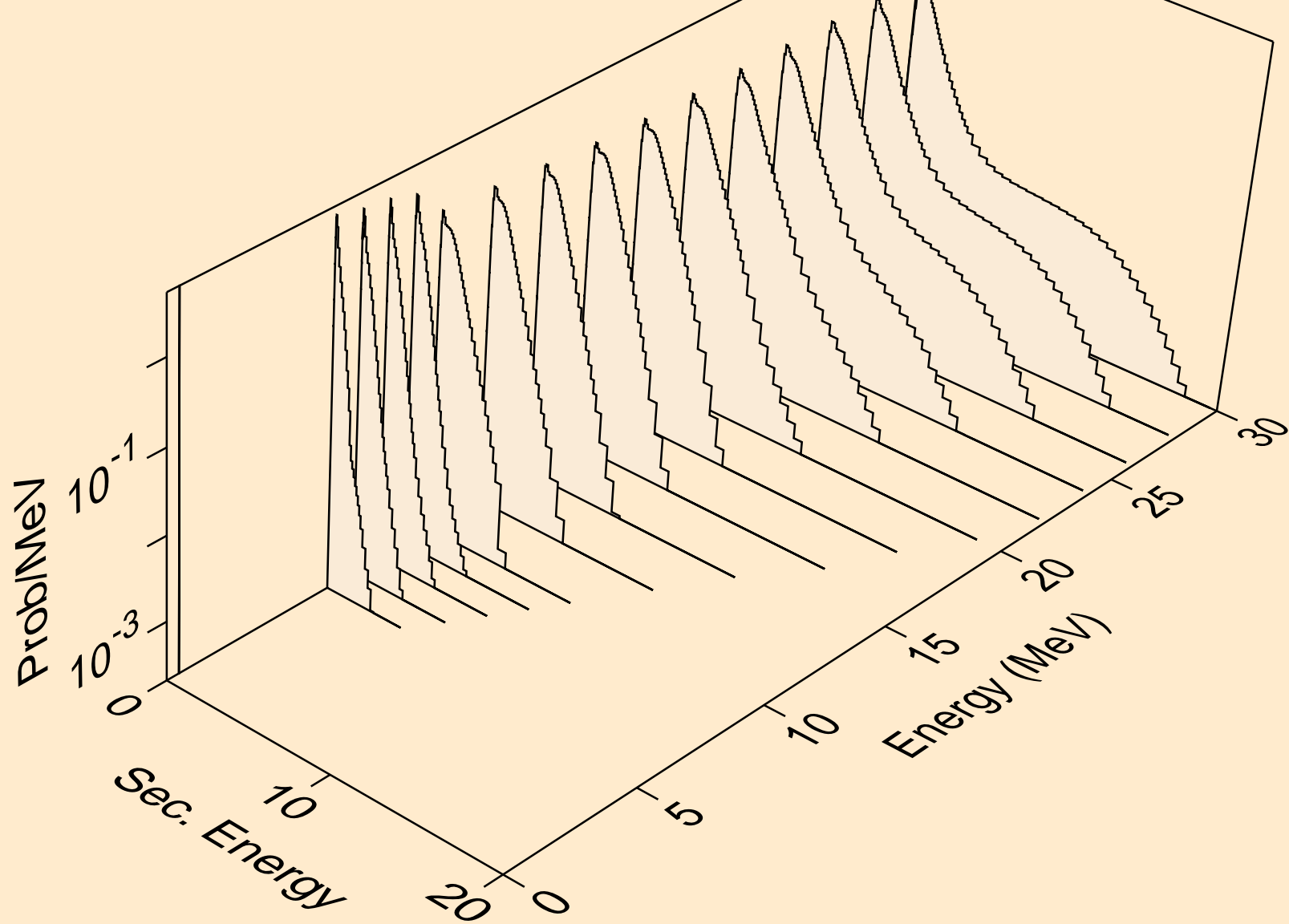
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neutrons from (s,2n)a



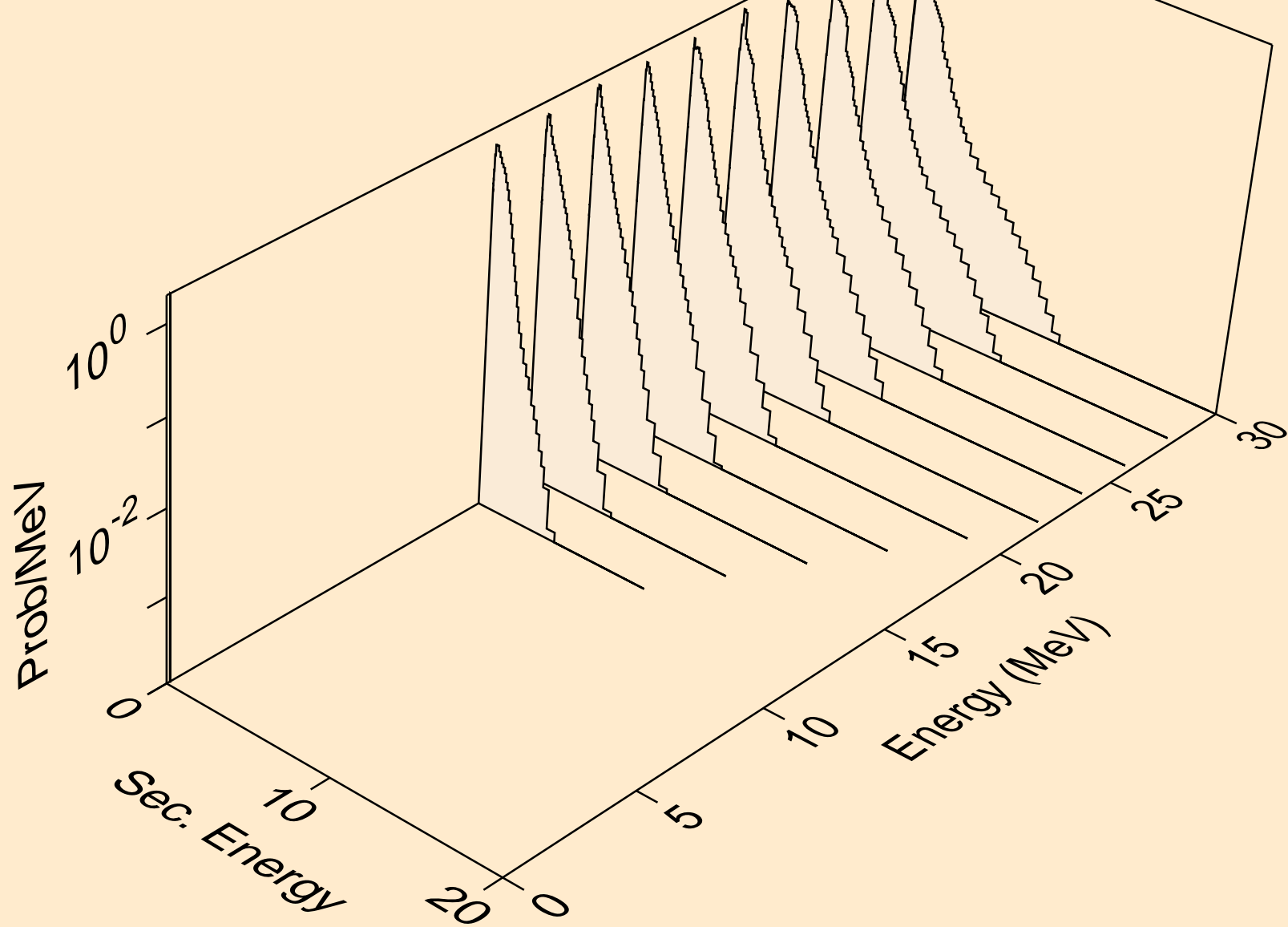
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neutrons from (s,3n)a



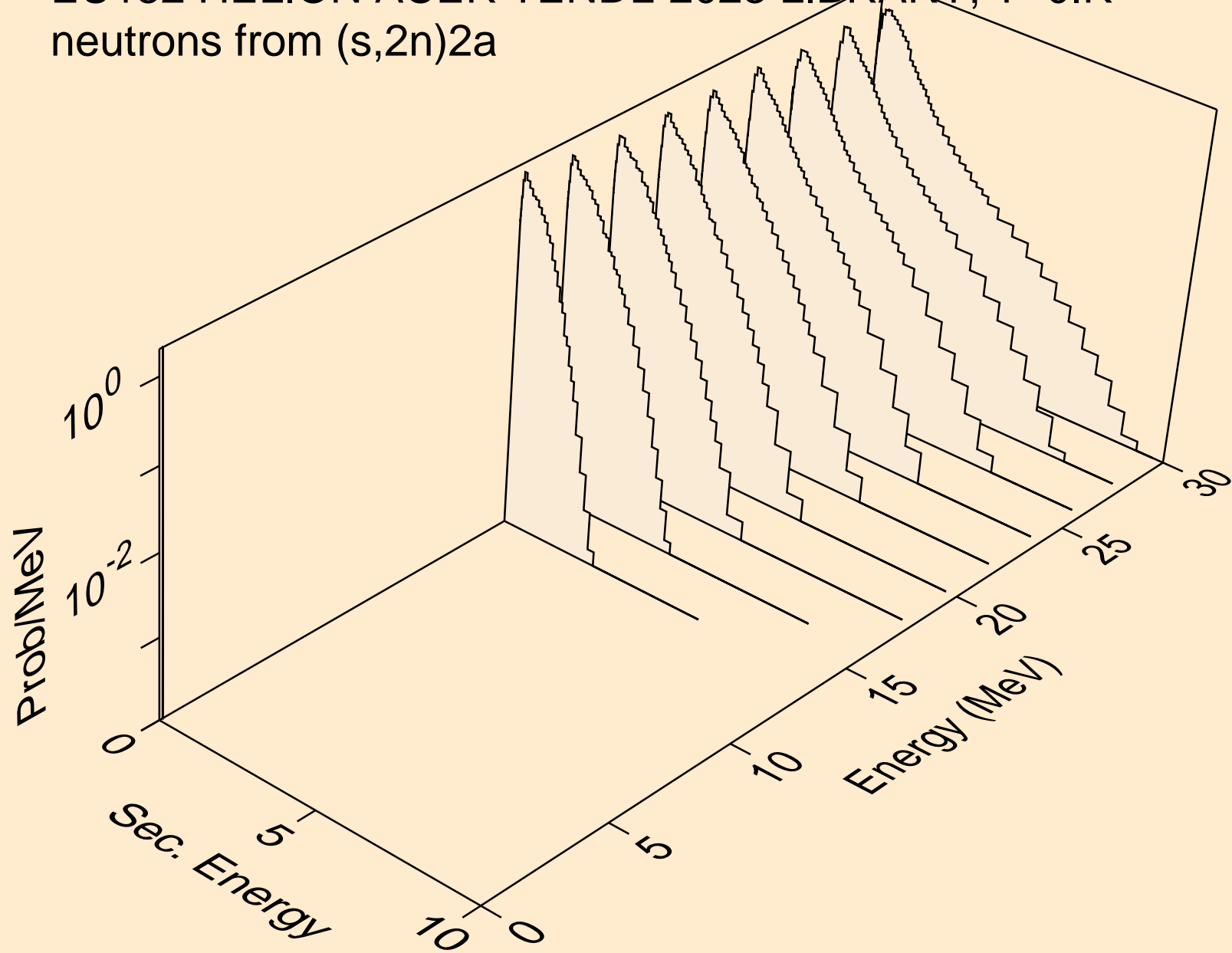
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neutrons from (s,n\*)p



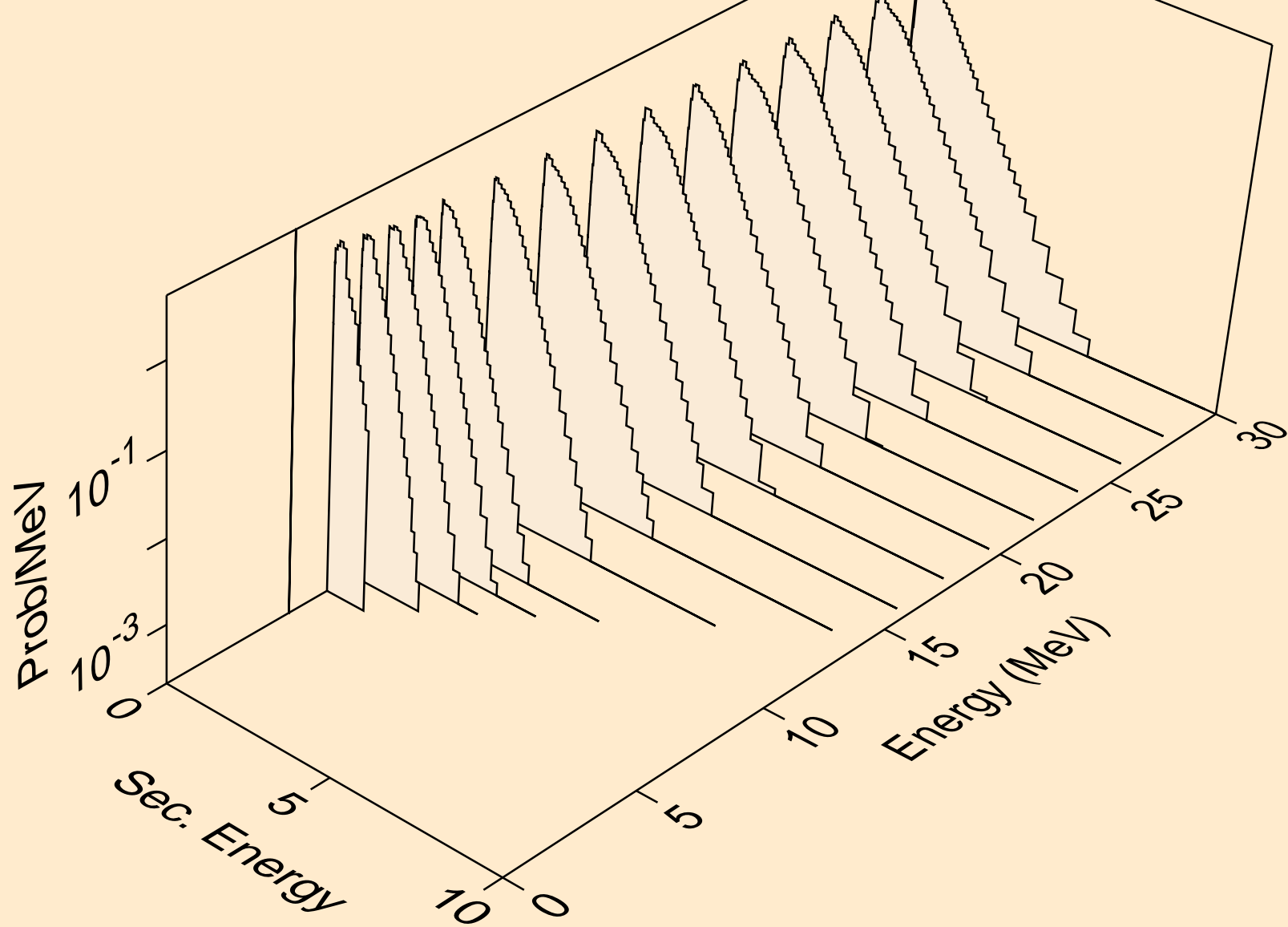
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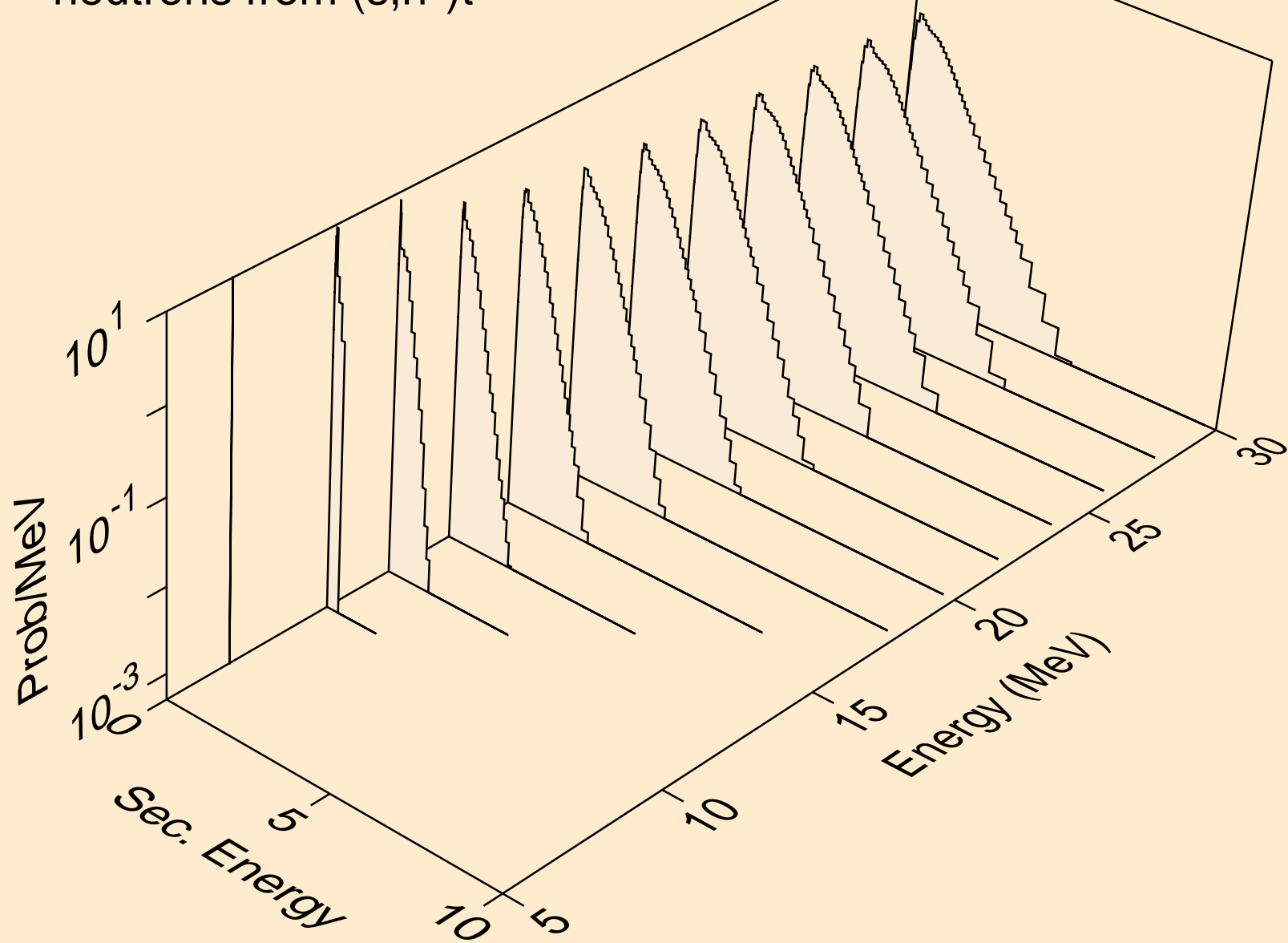
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)2a



EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)d

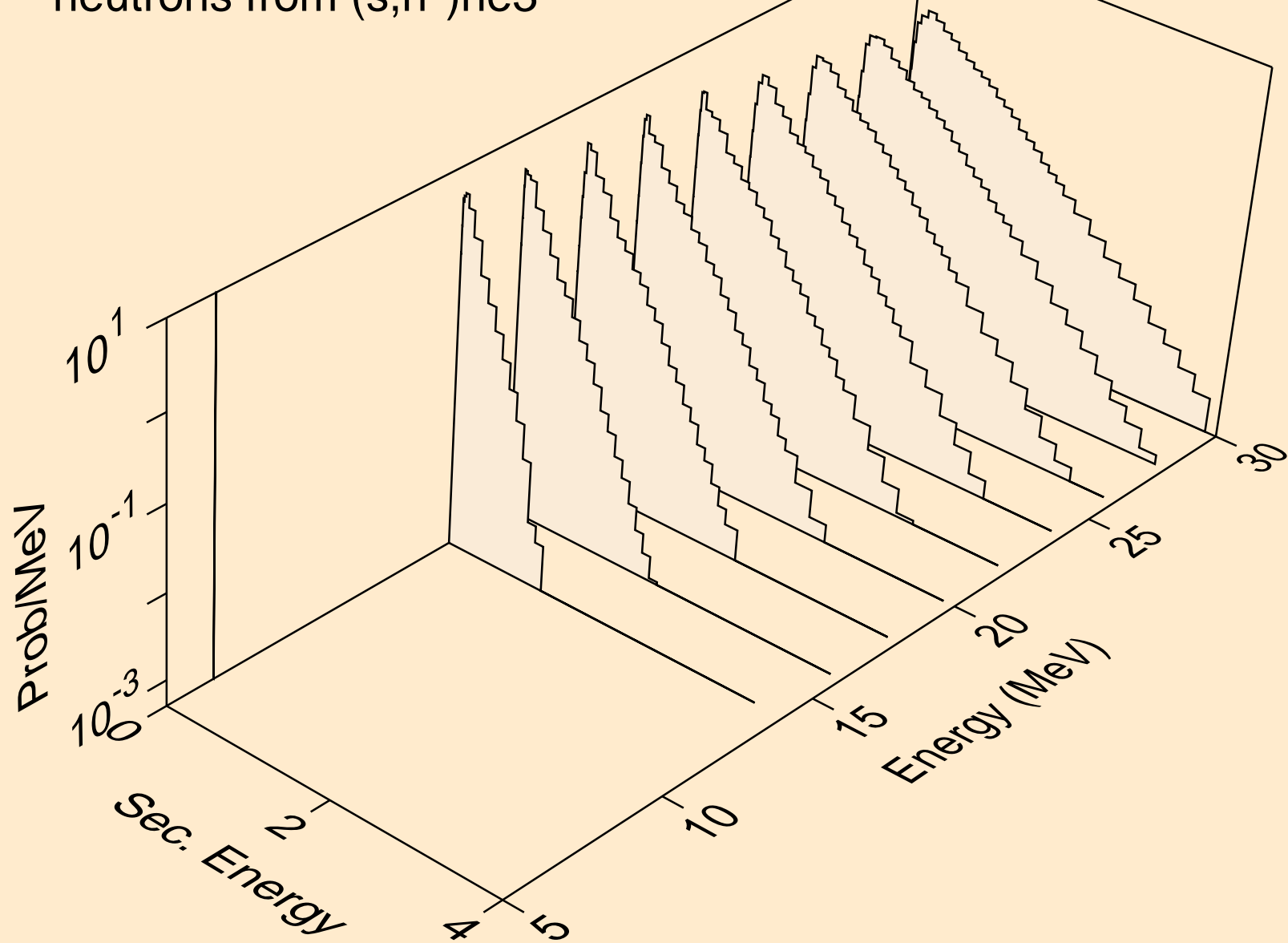


EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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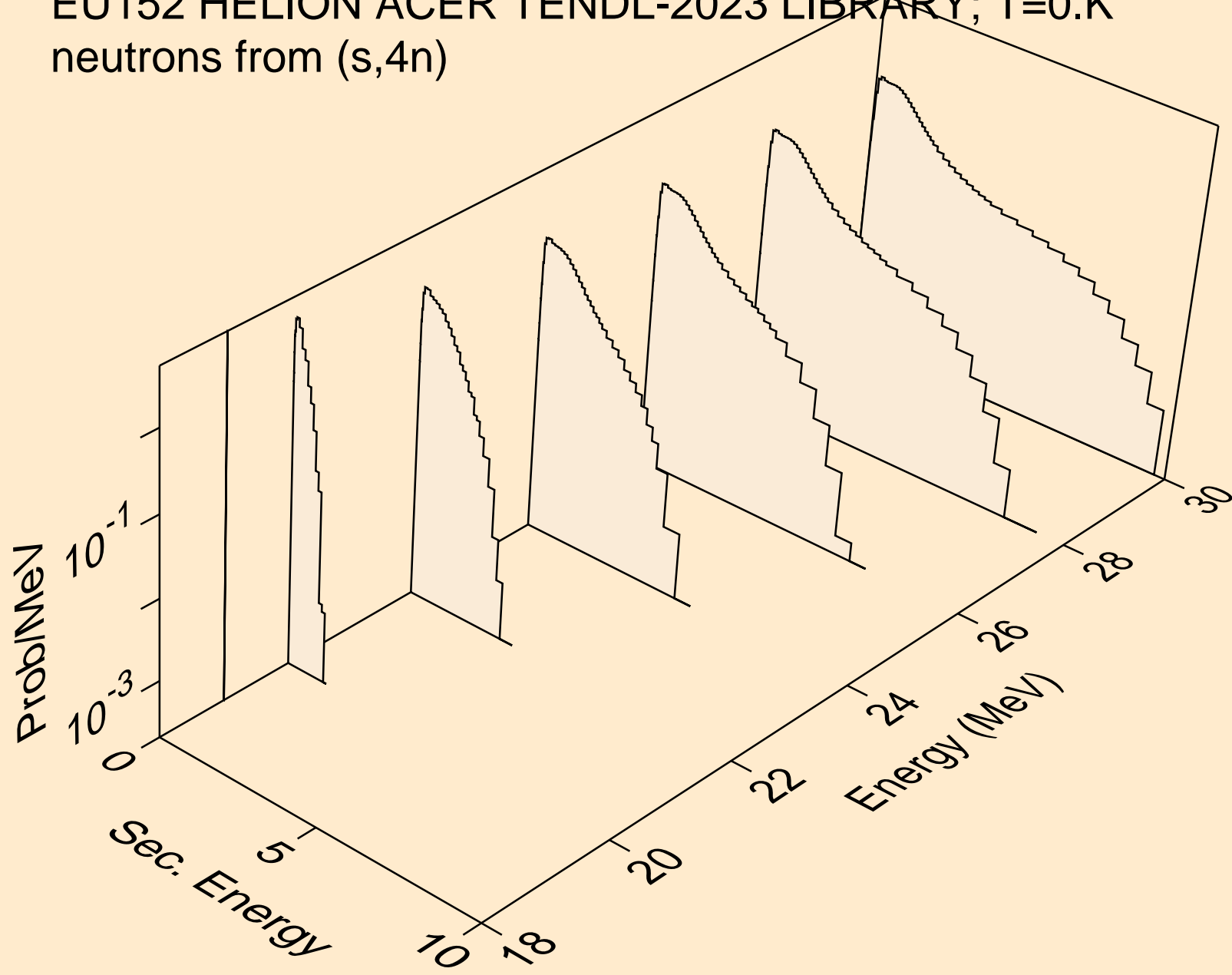




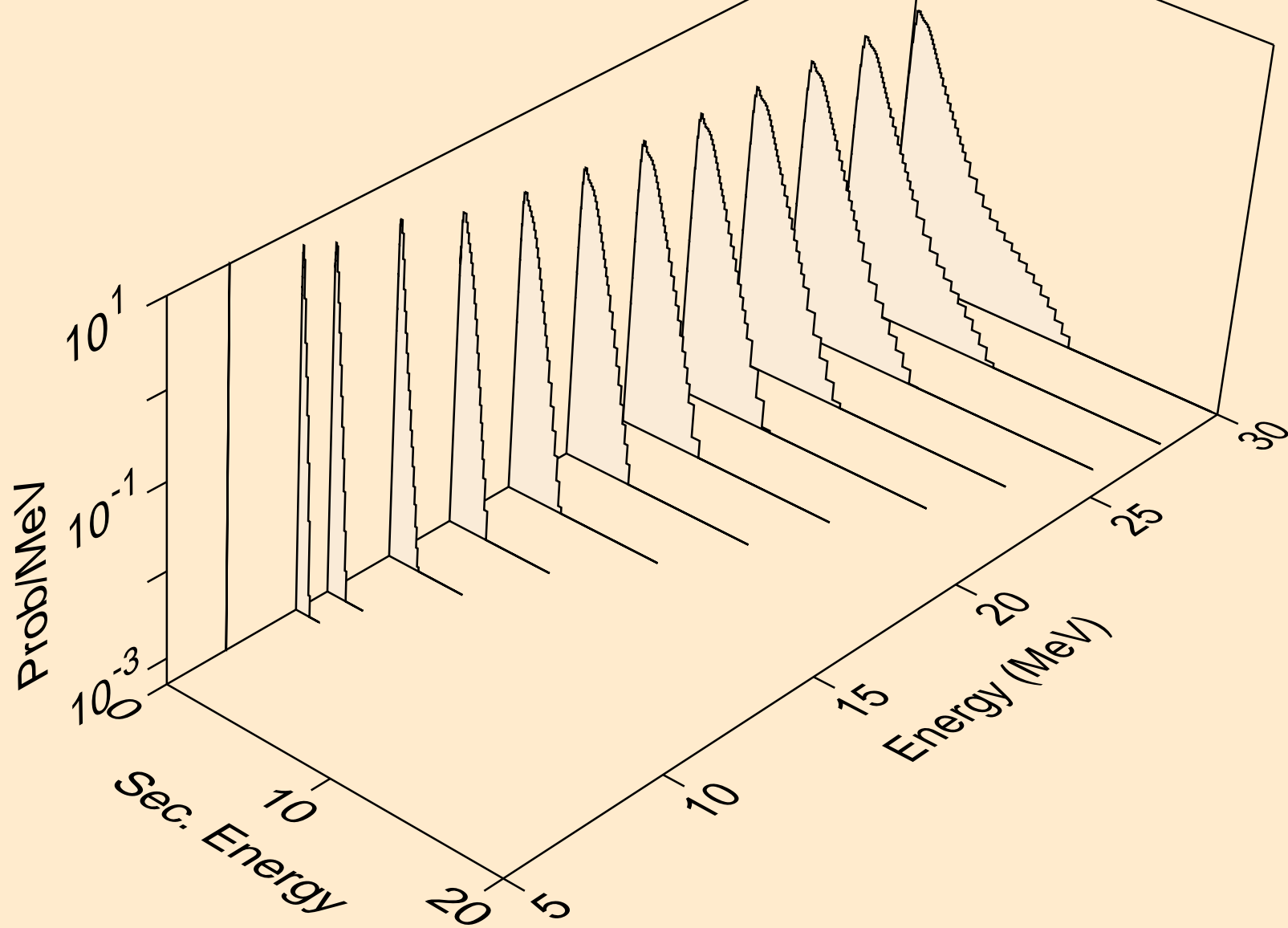
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3



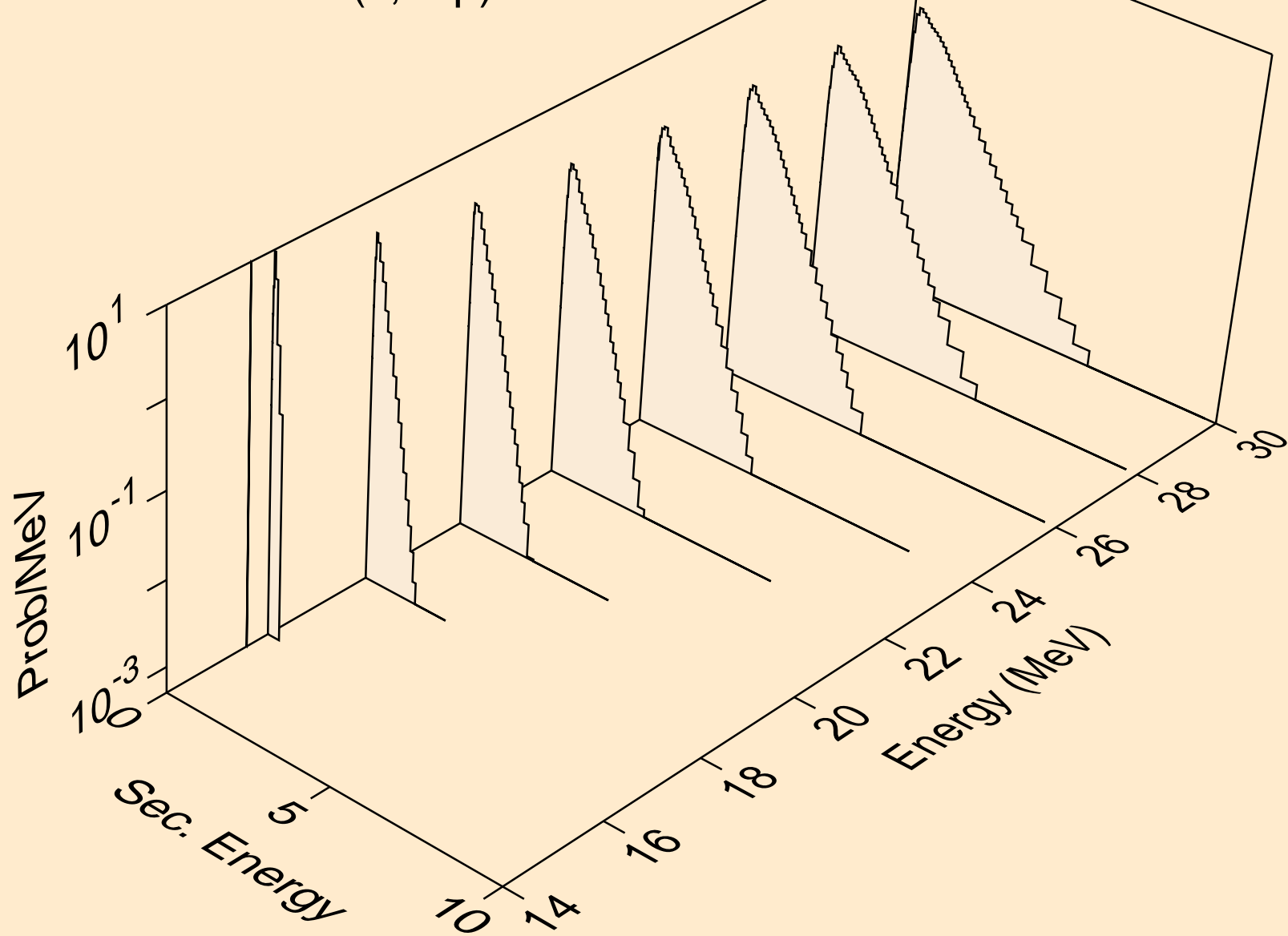
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,4n)



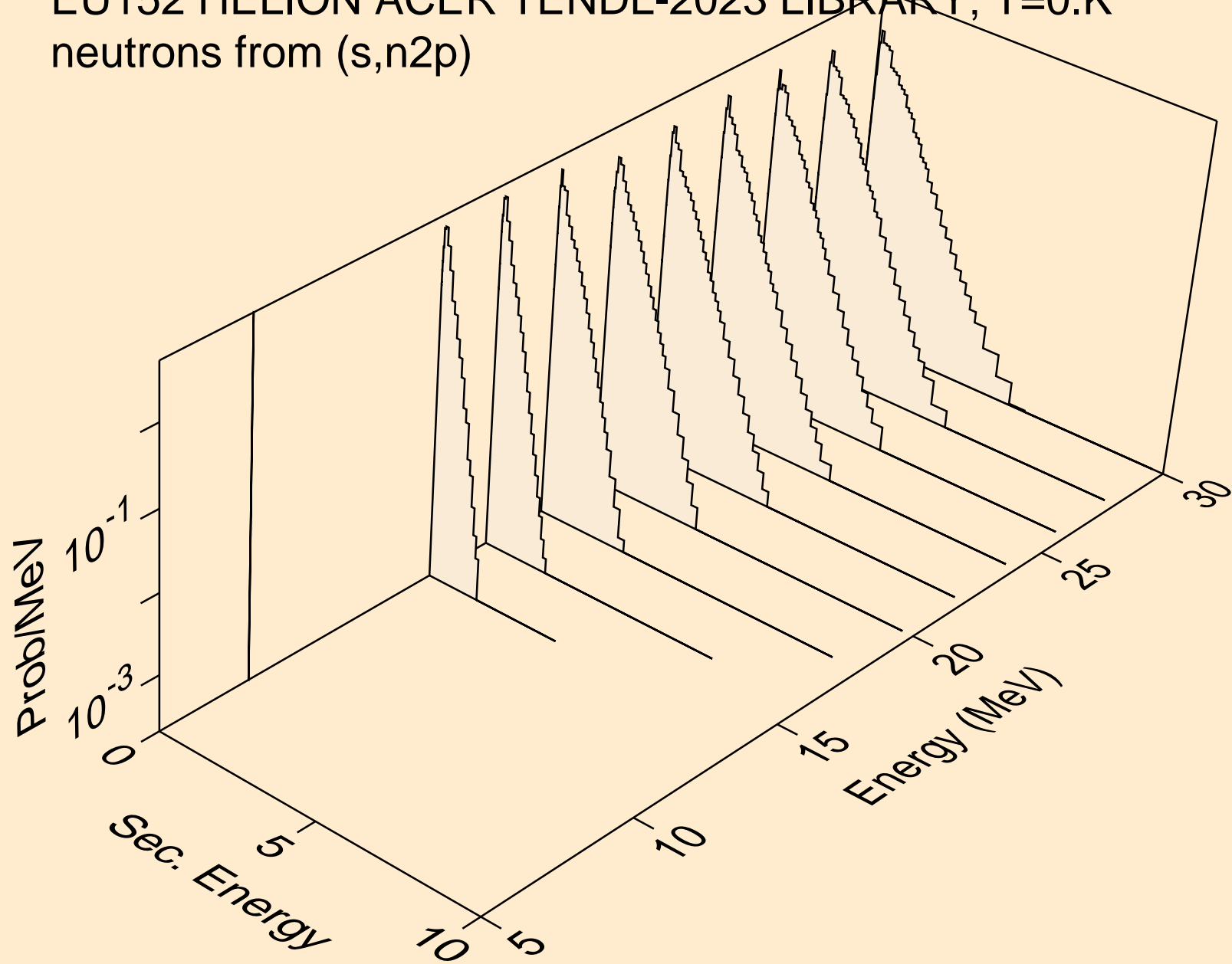
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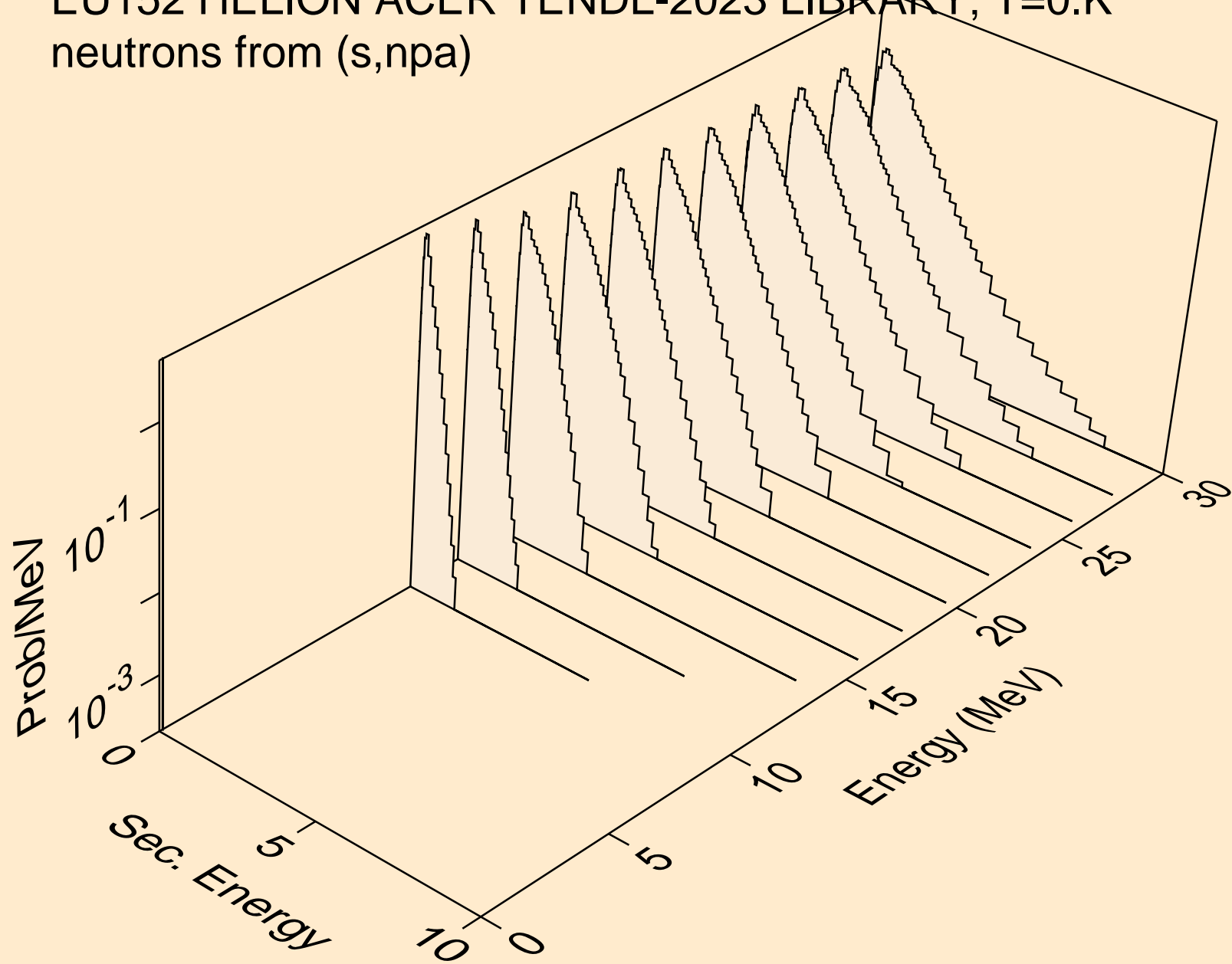
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3np)



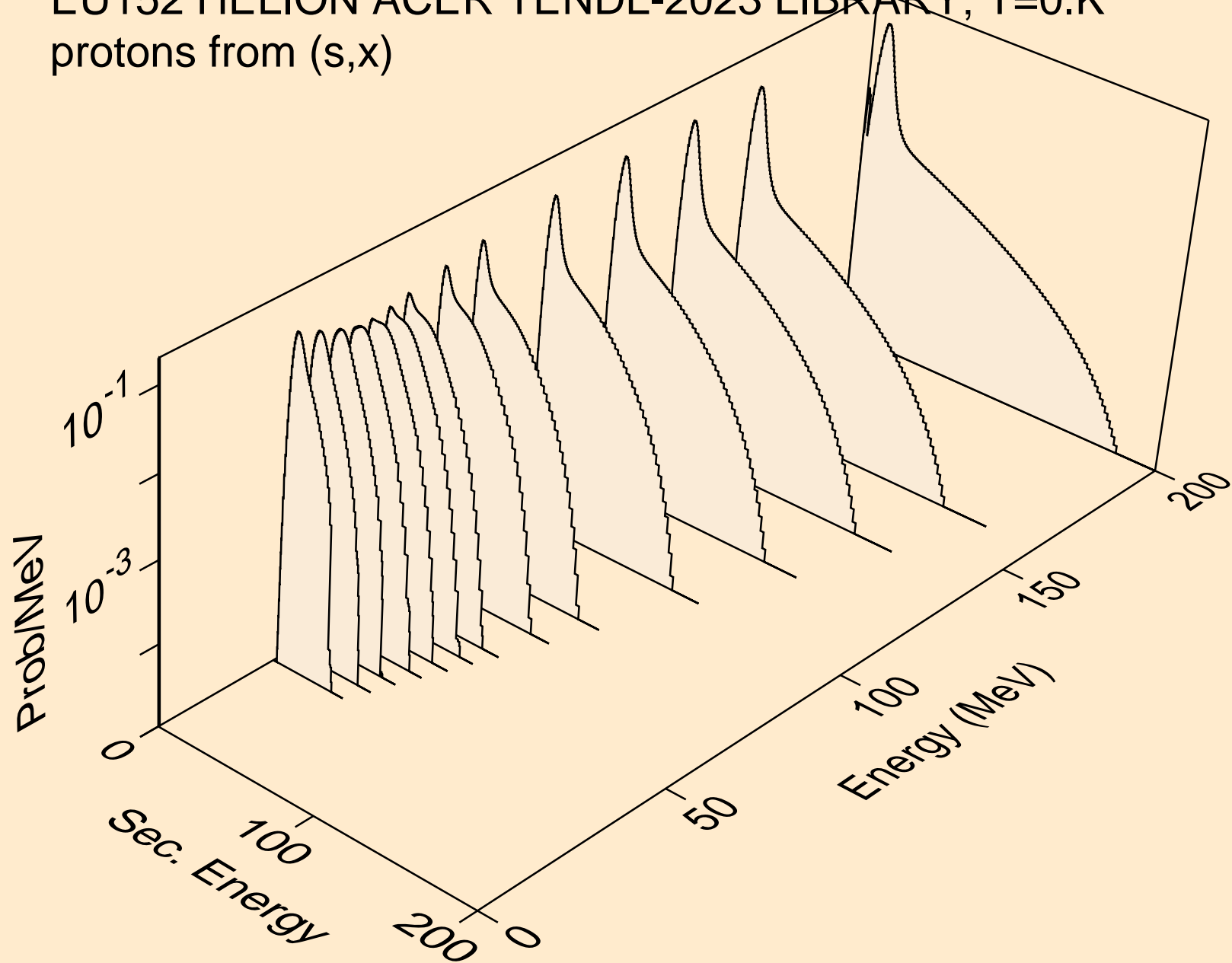
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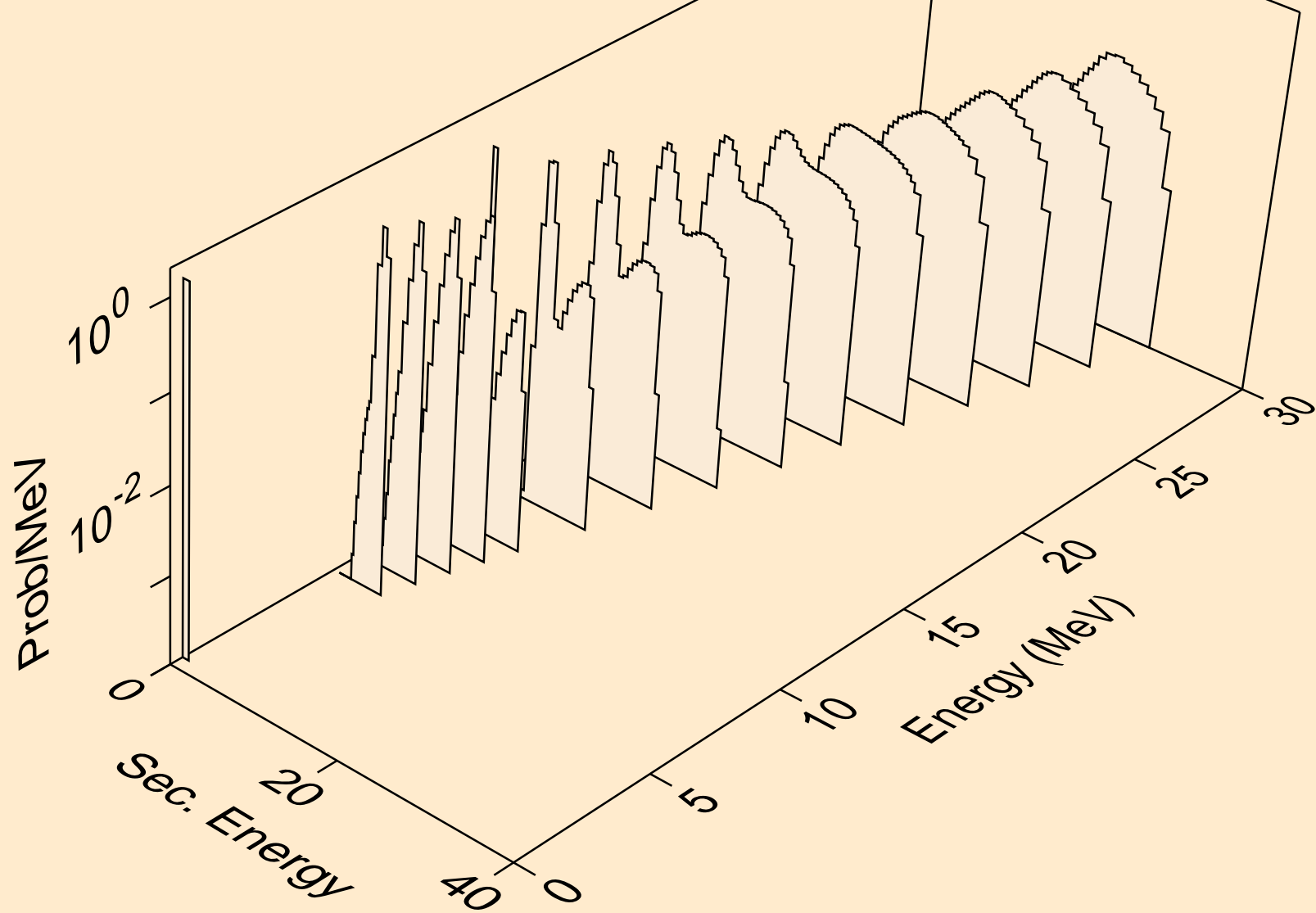
EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,npa)



EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,x)

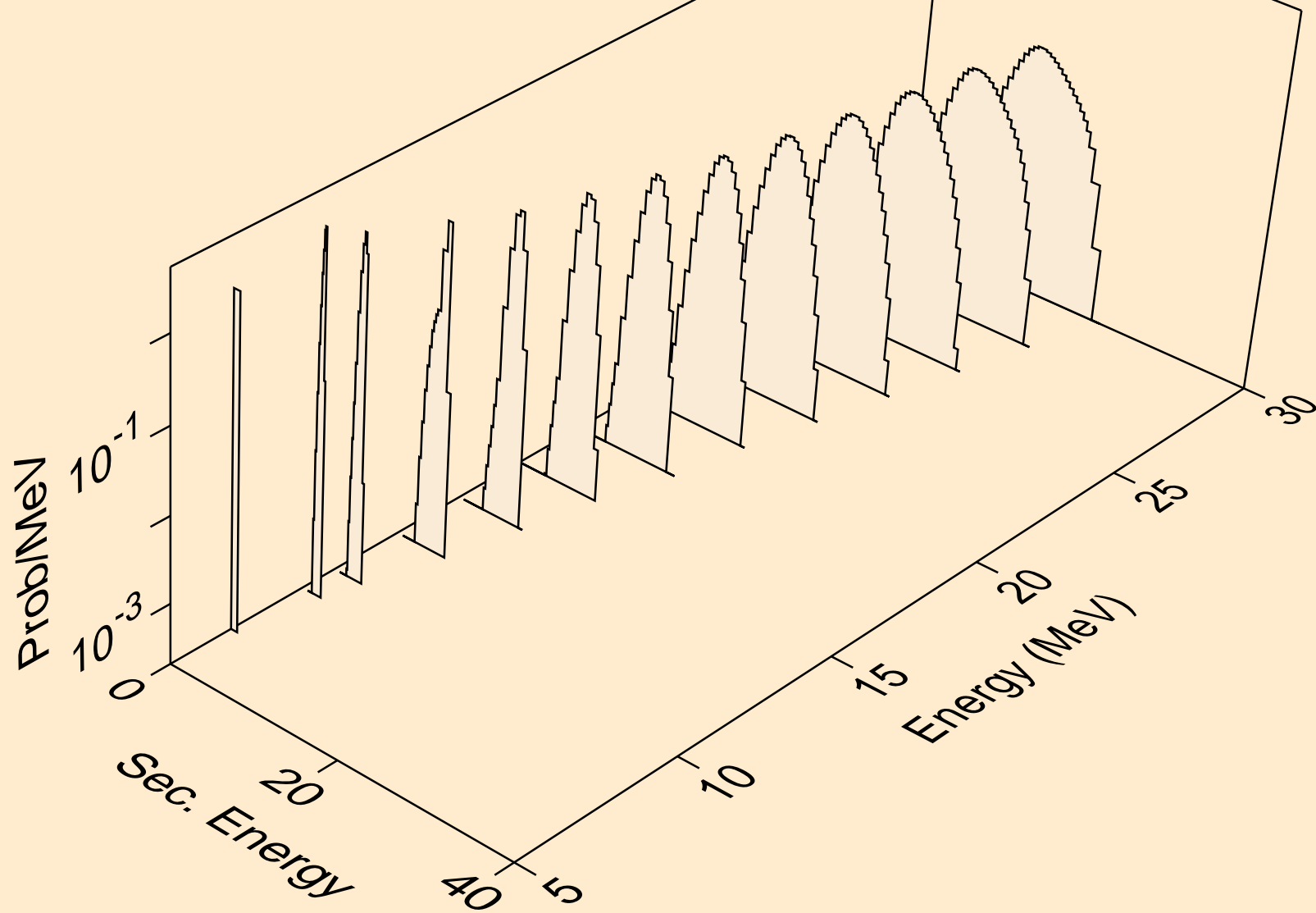


EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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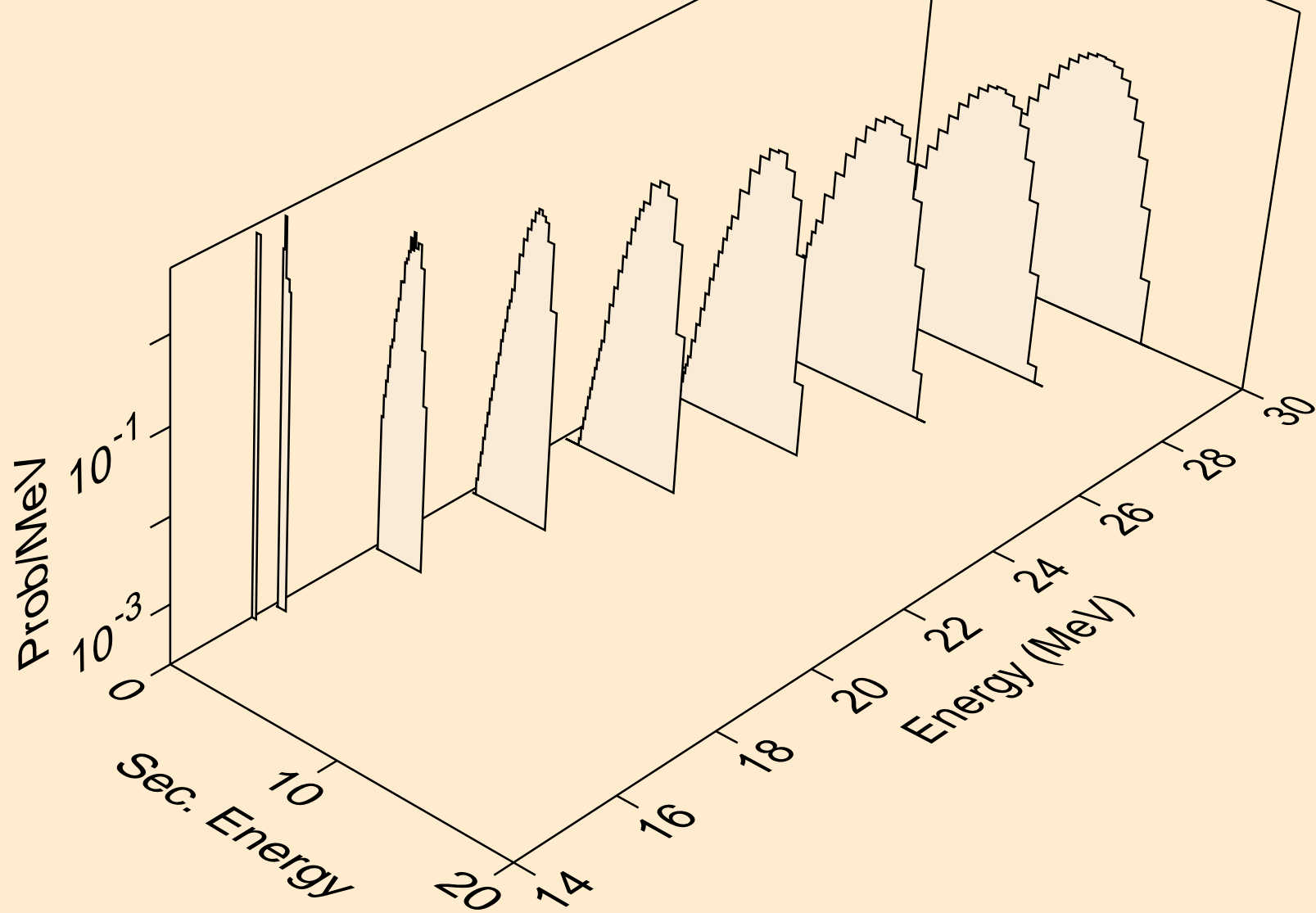




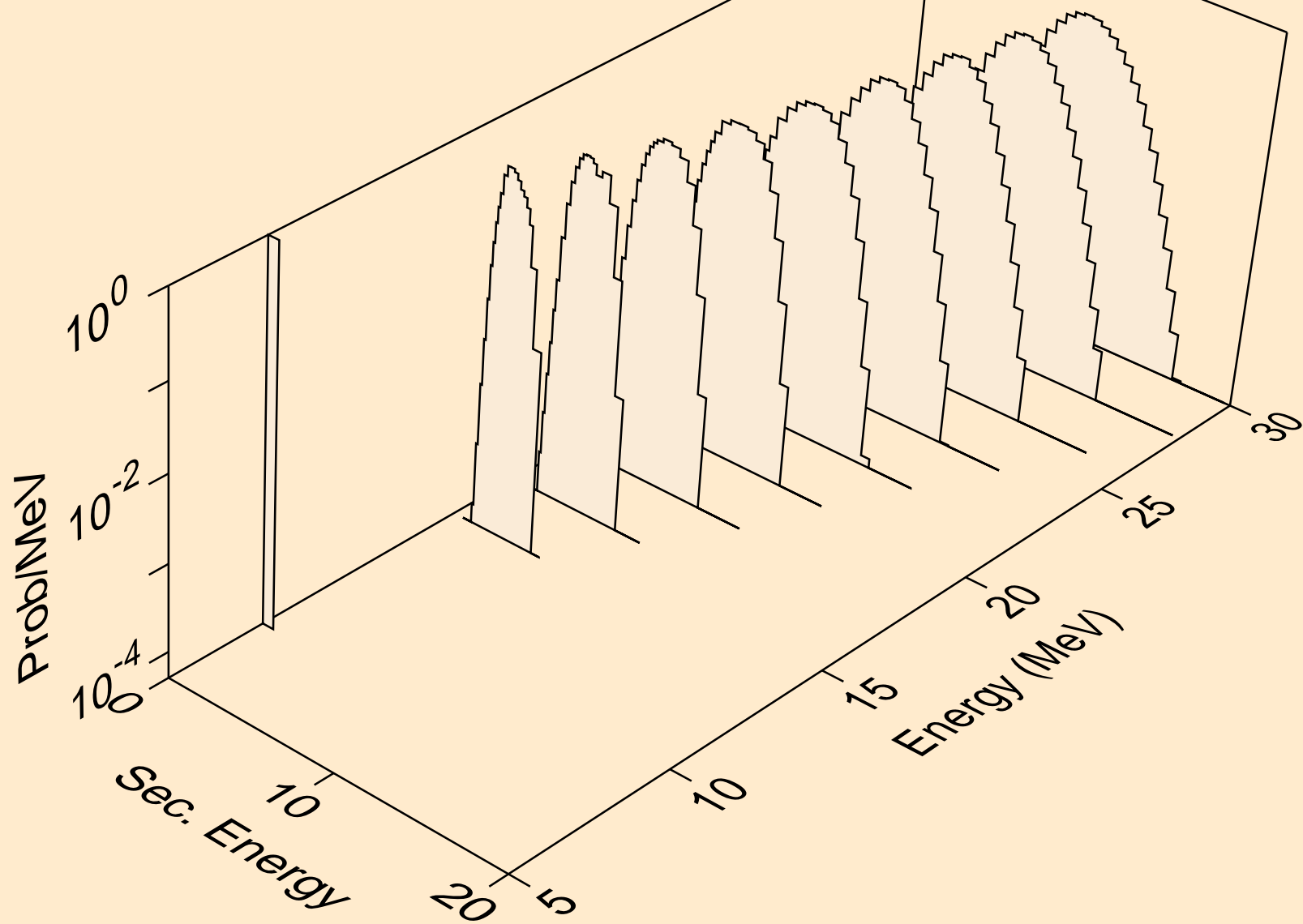
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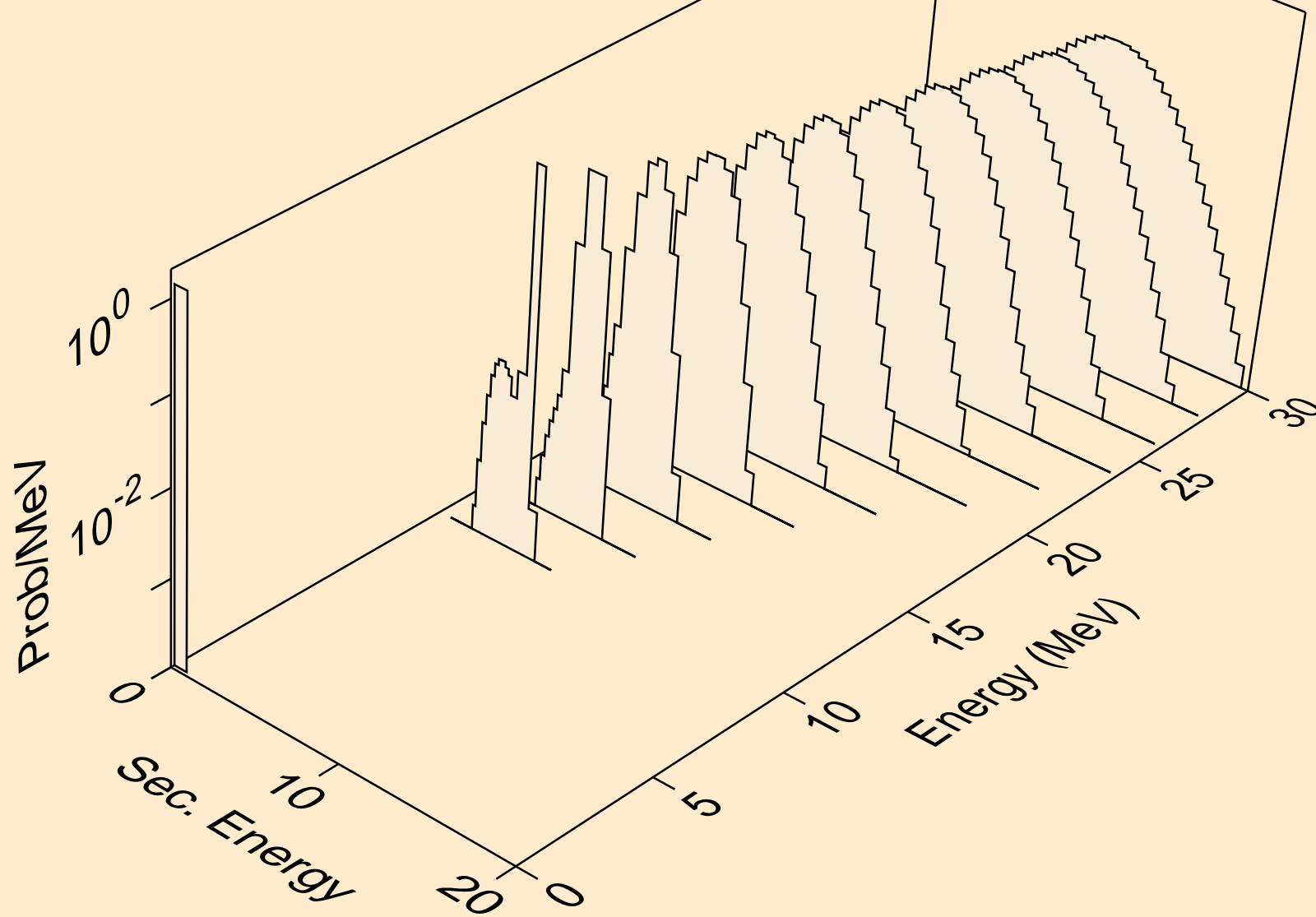
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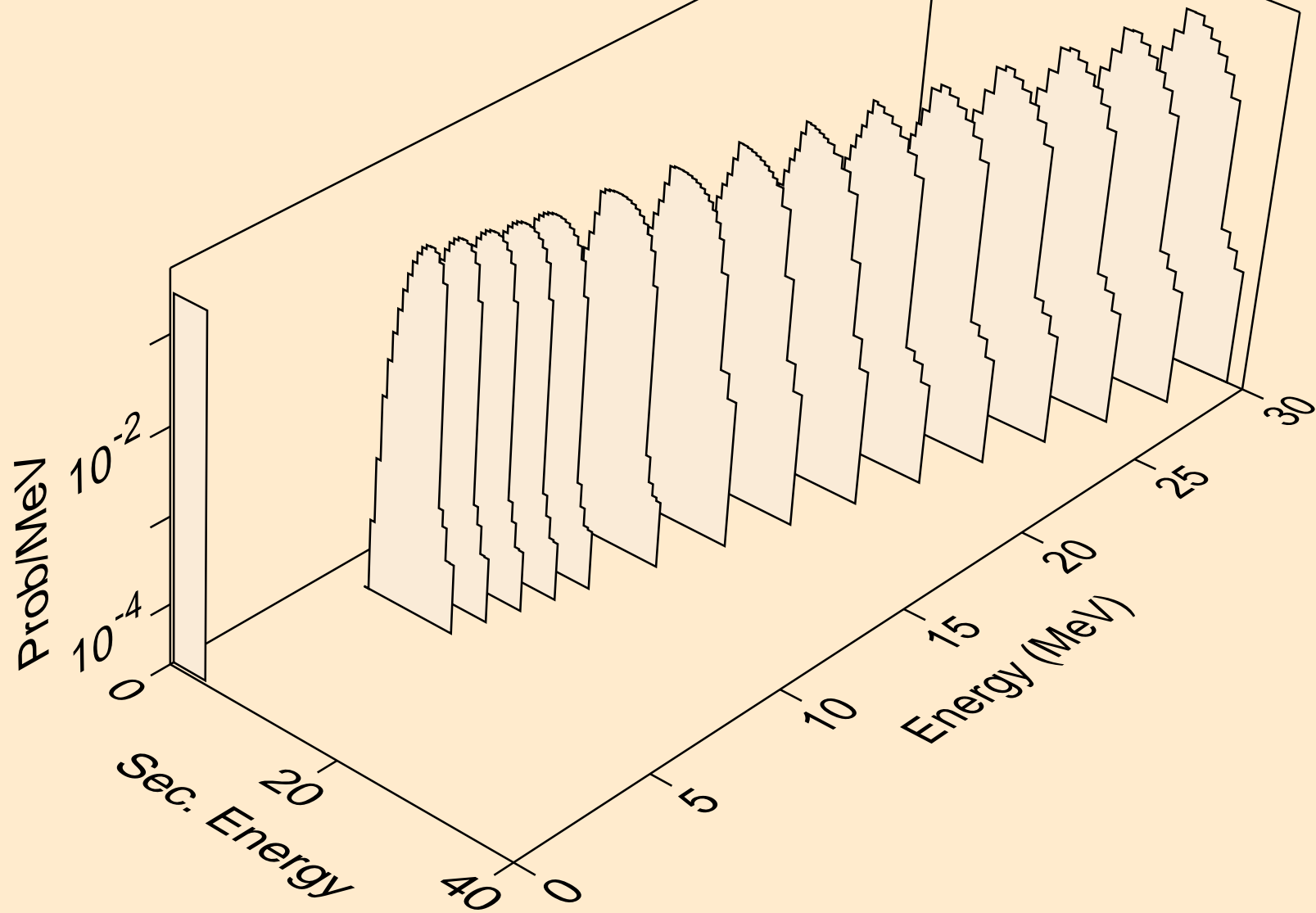
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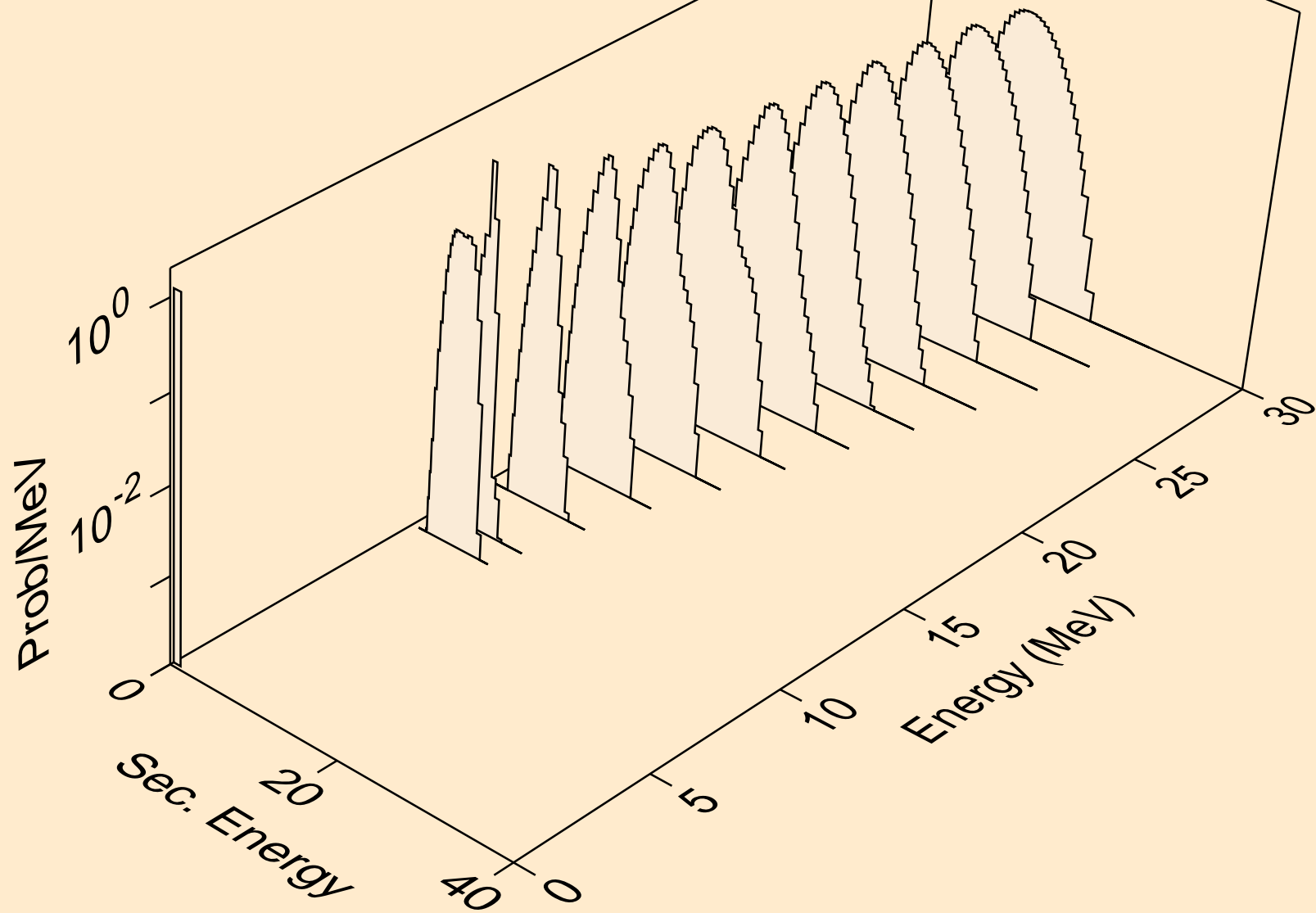
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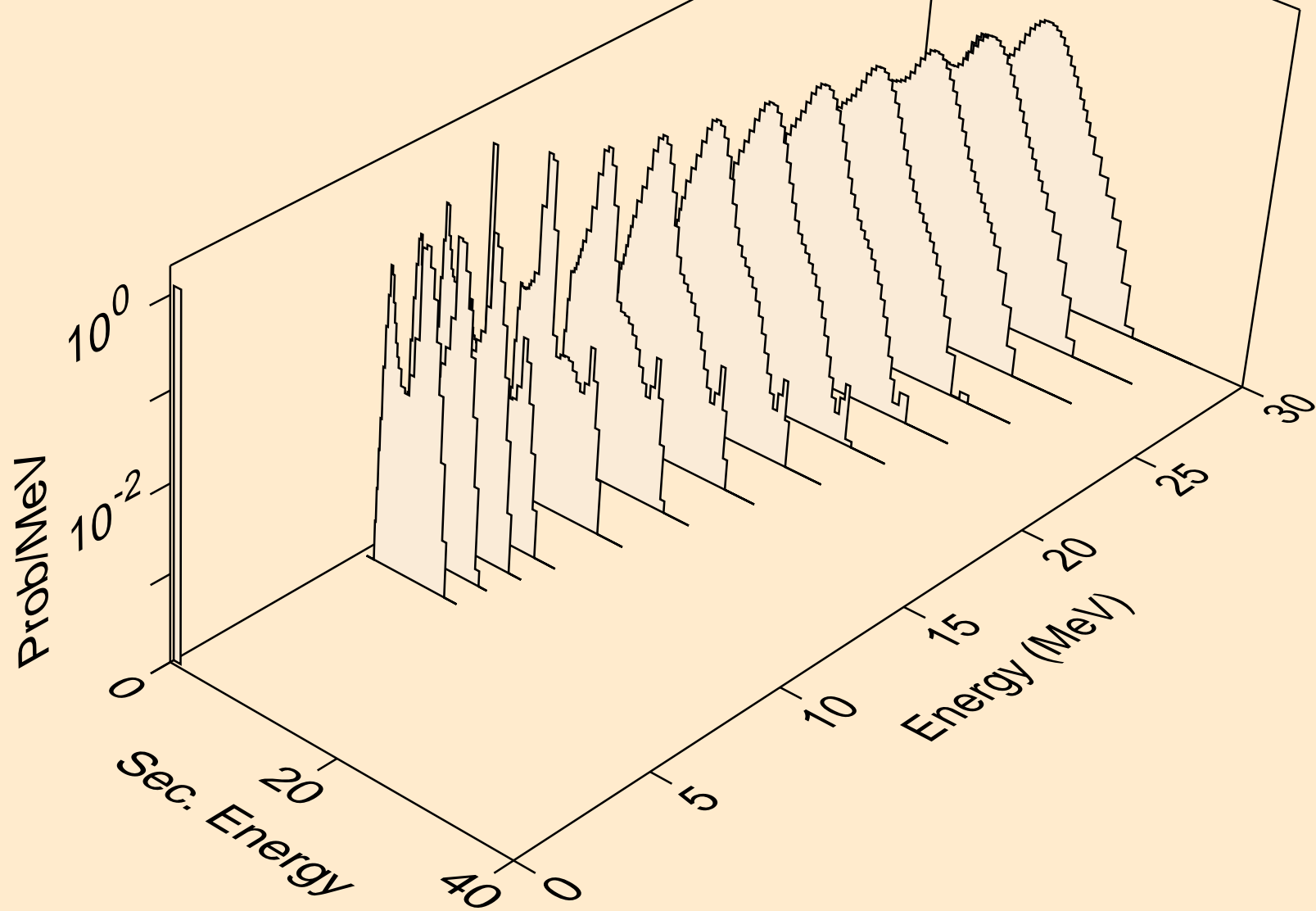
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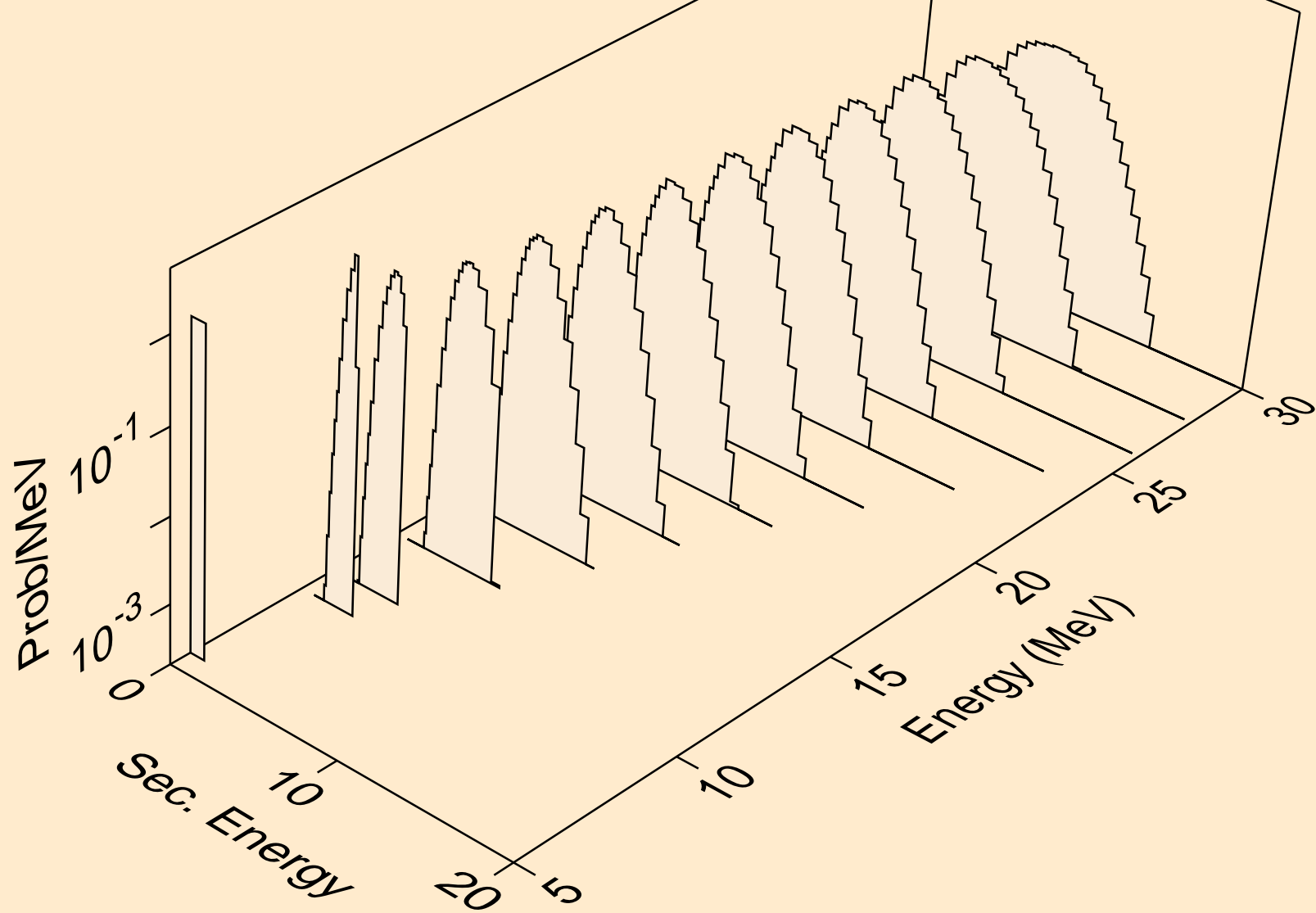
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EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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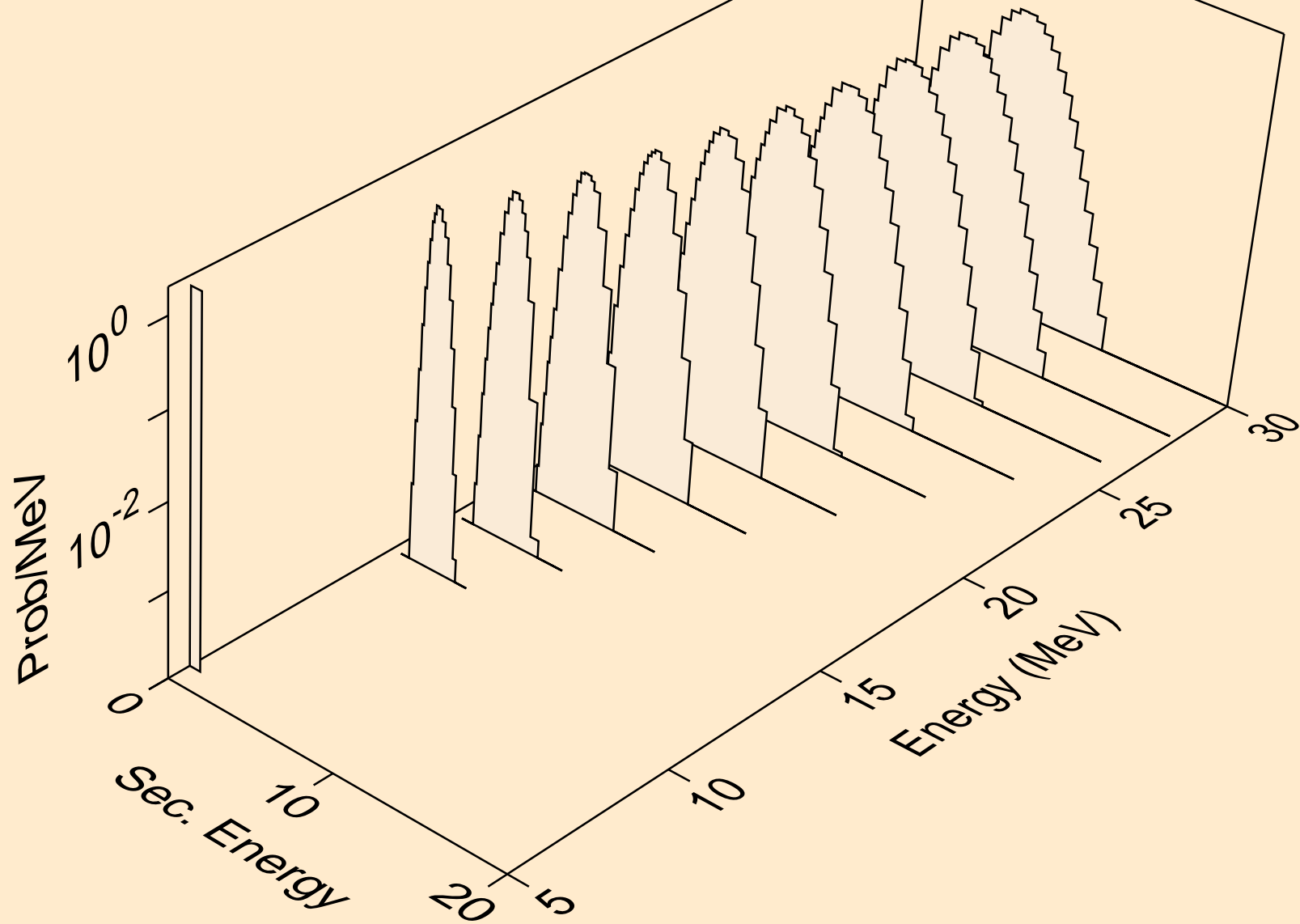


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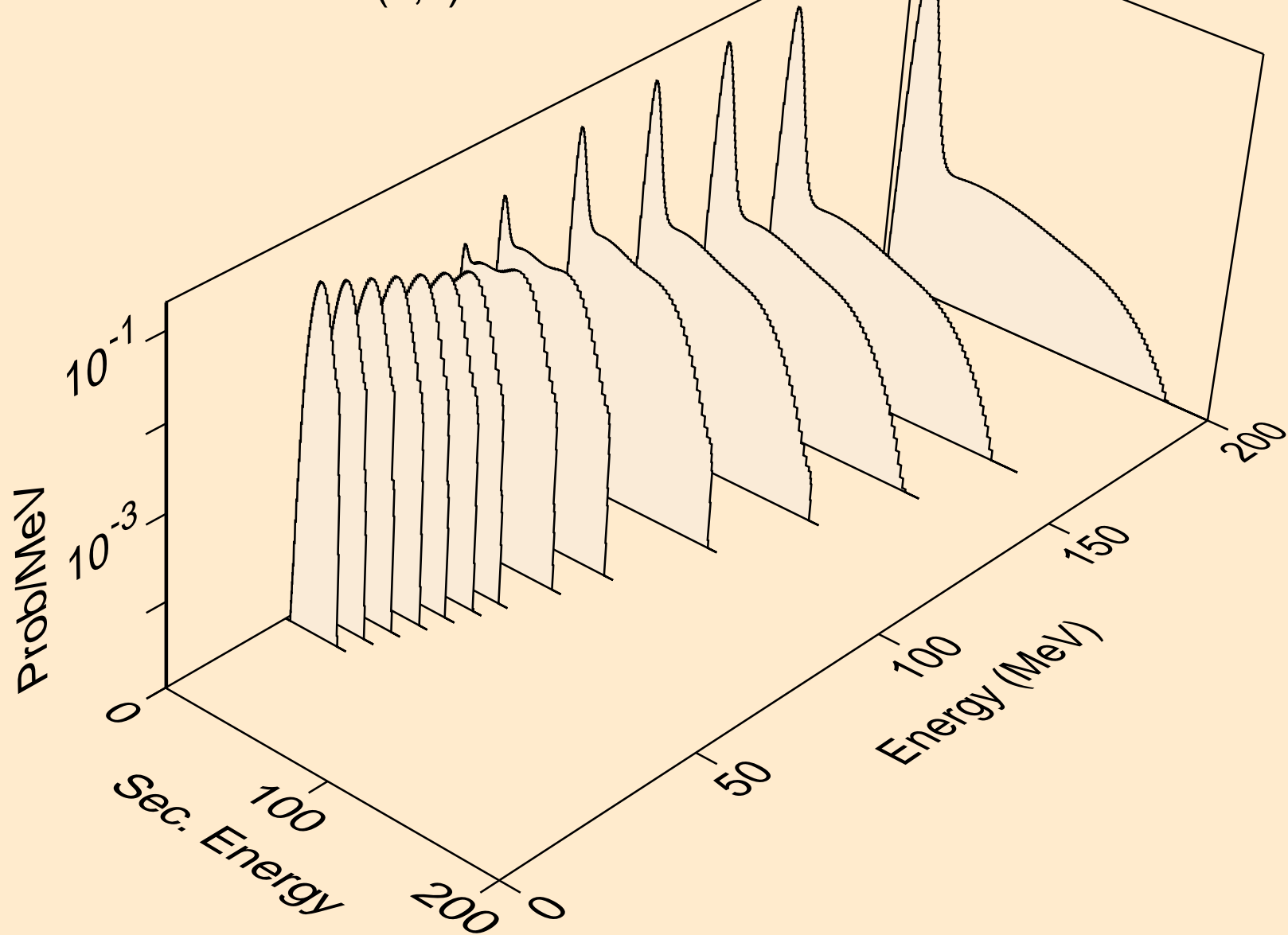




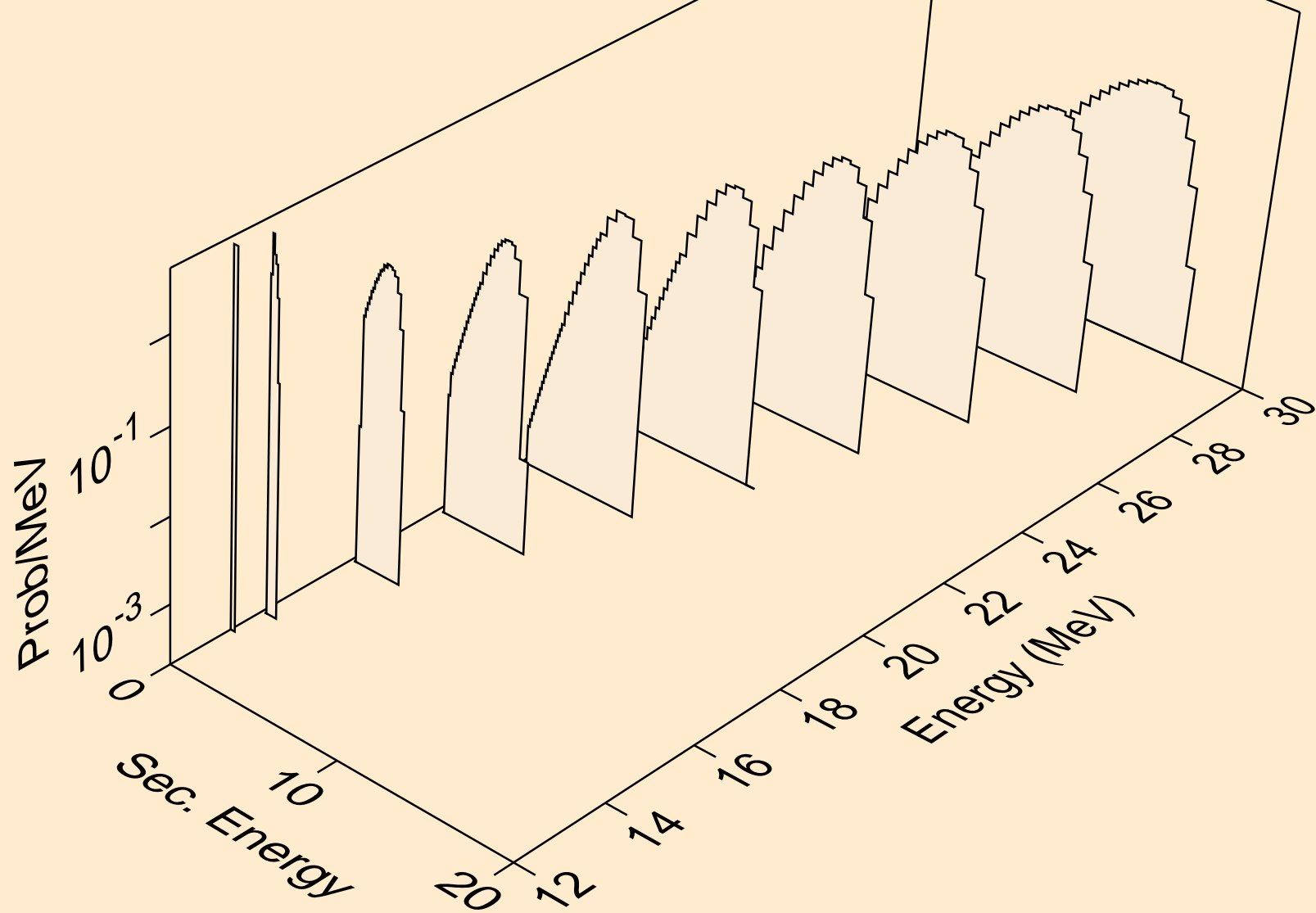
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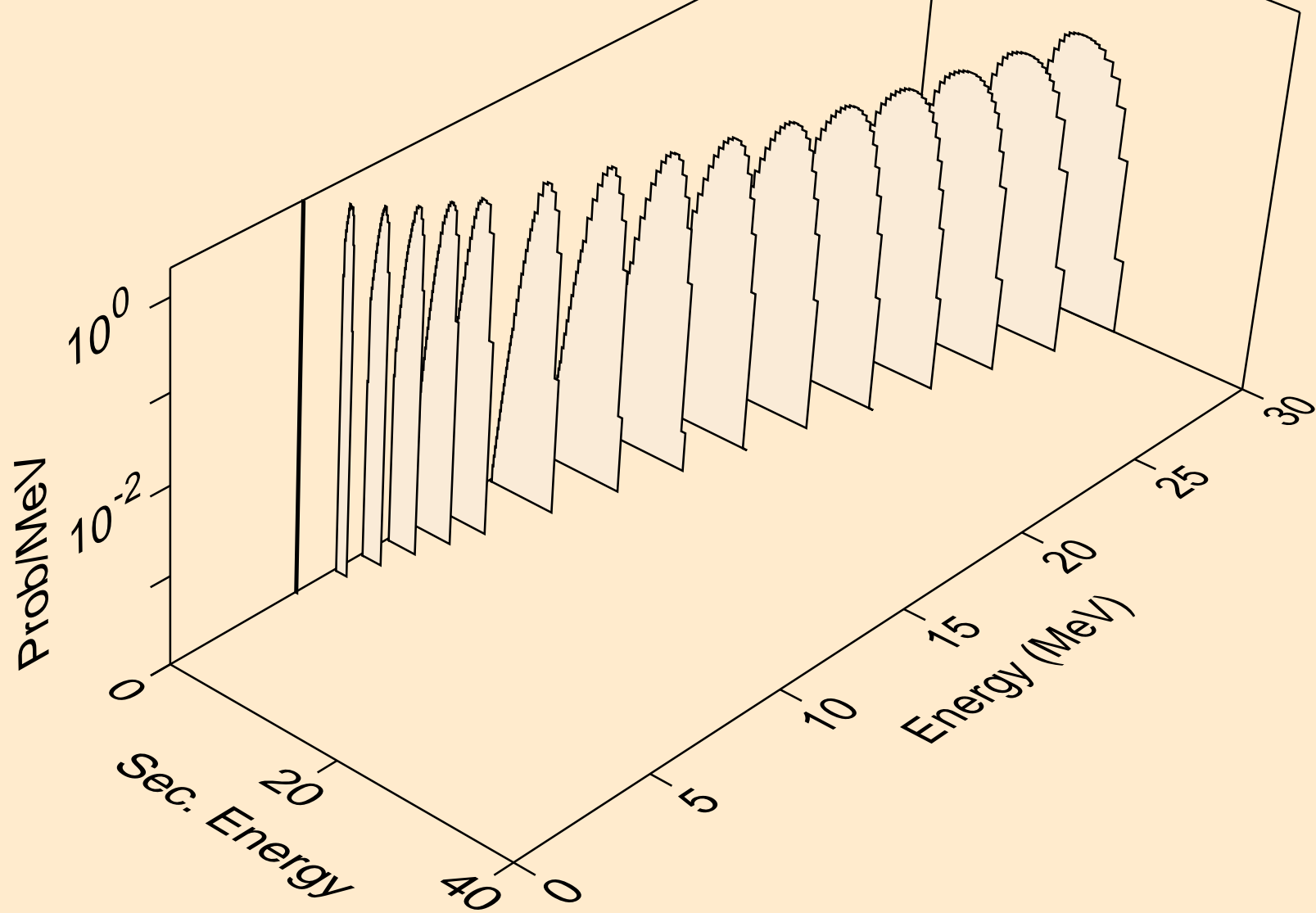
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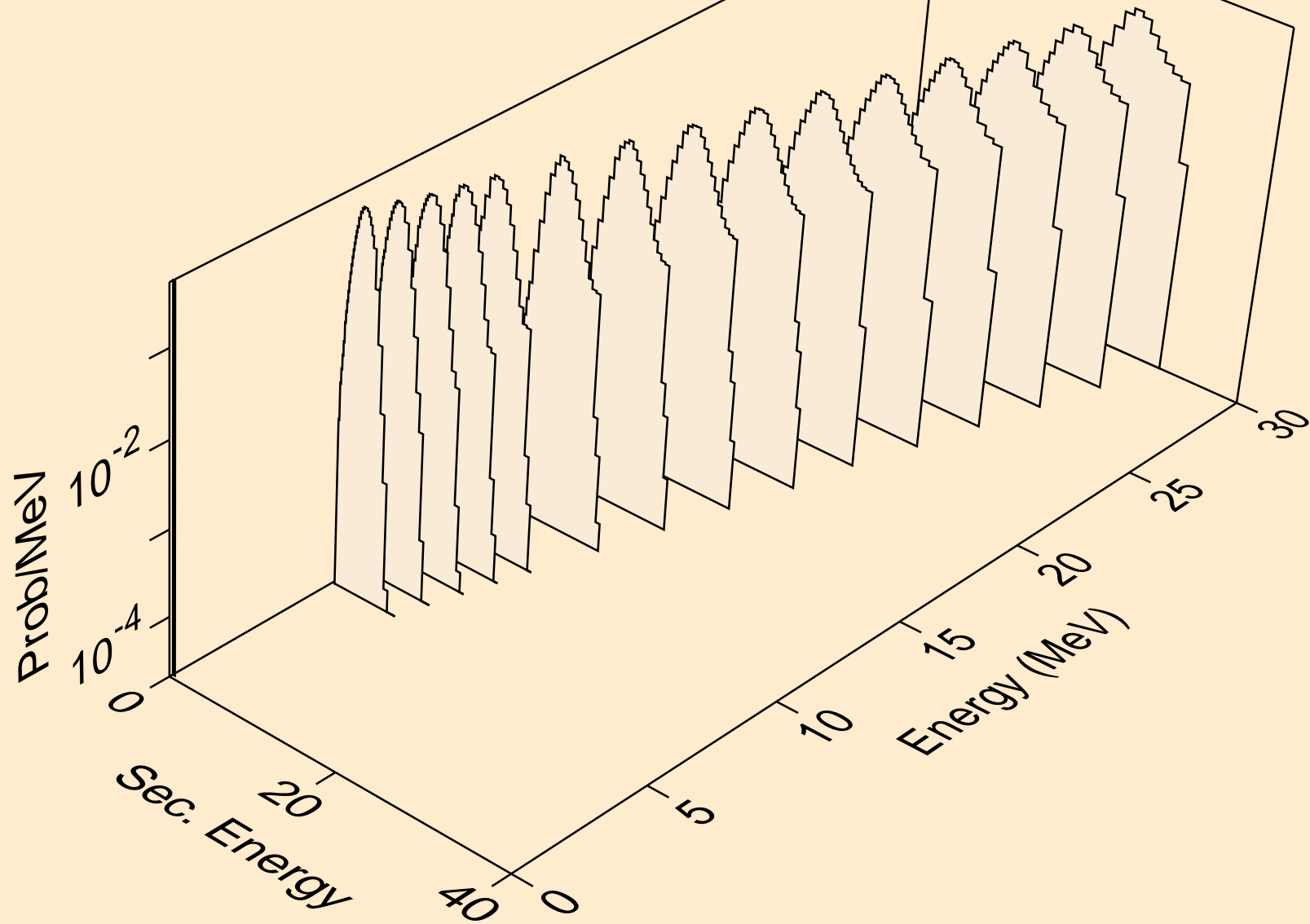
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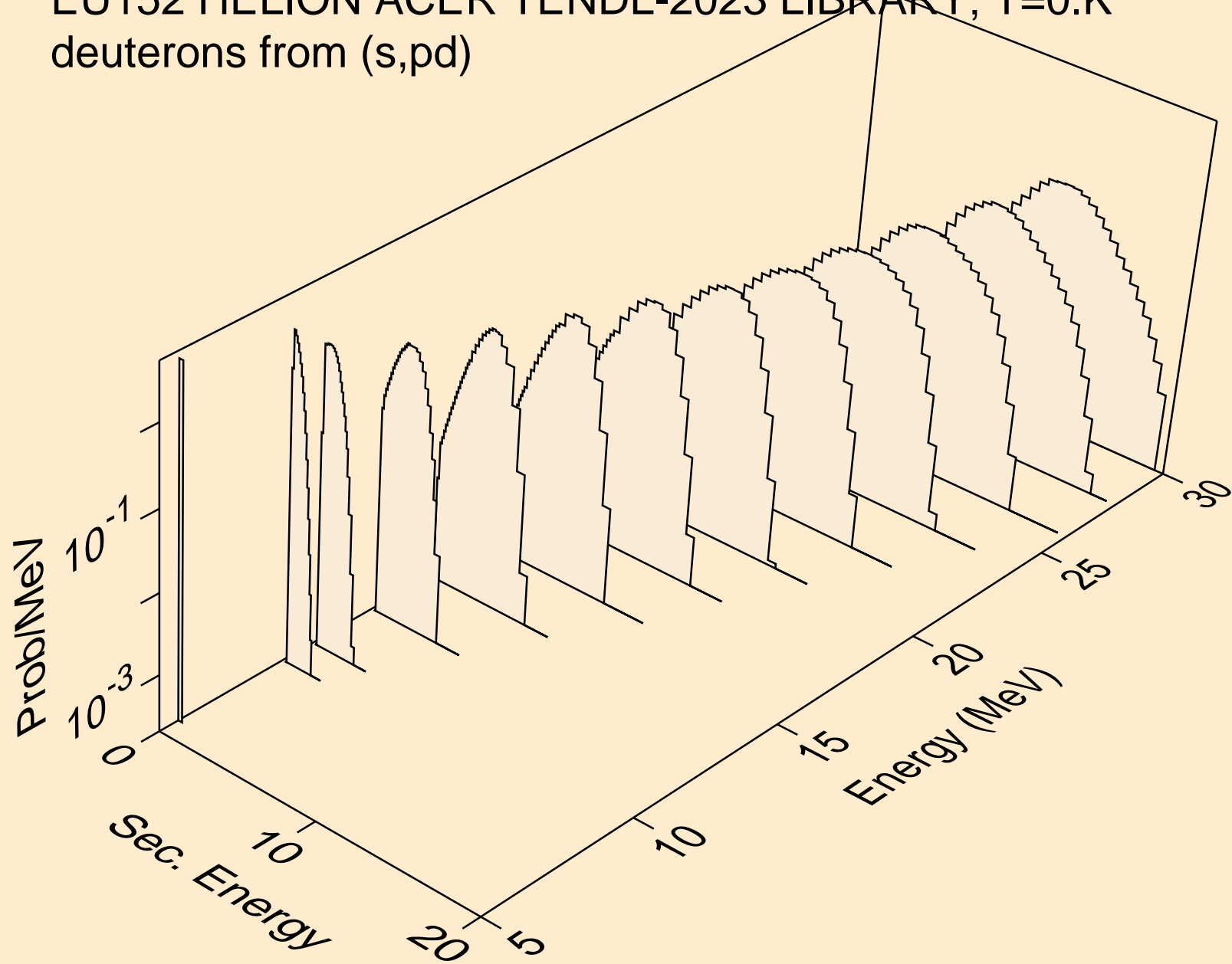
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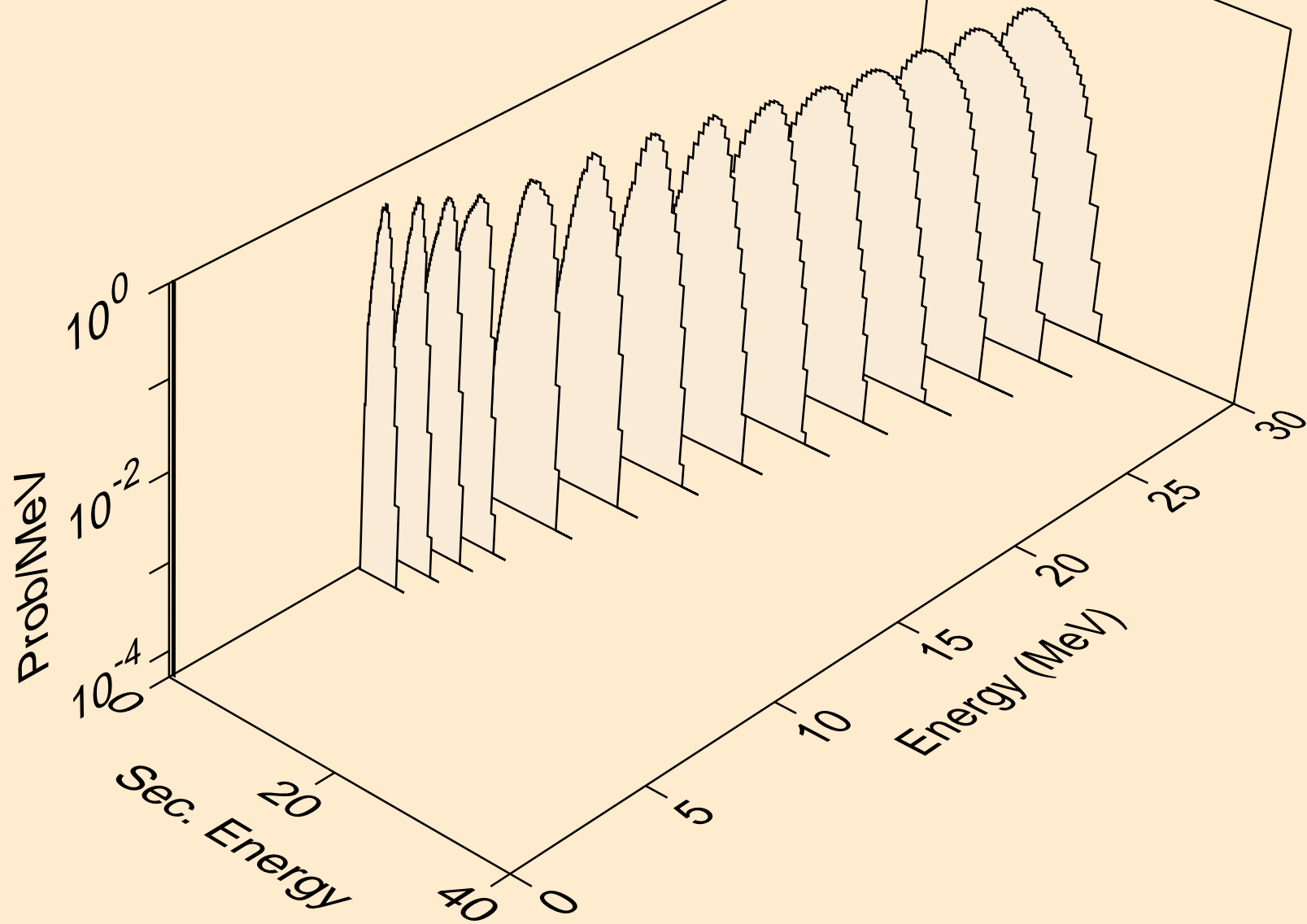
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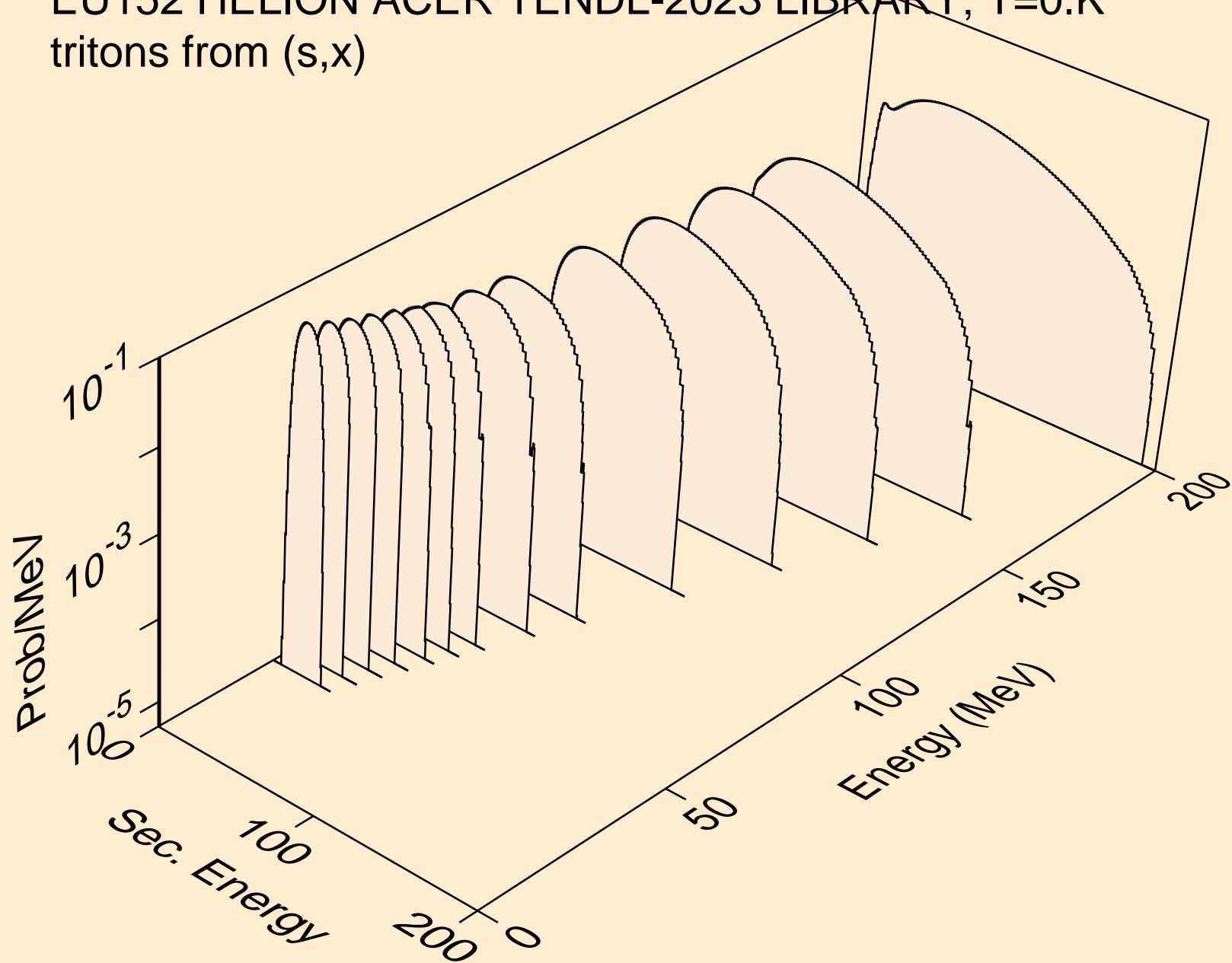
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EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,da)

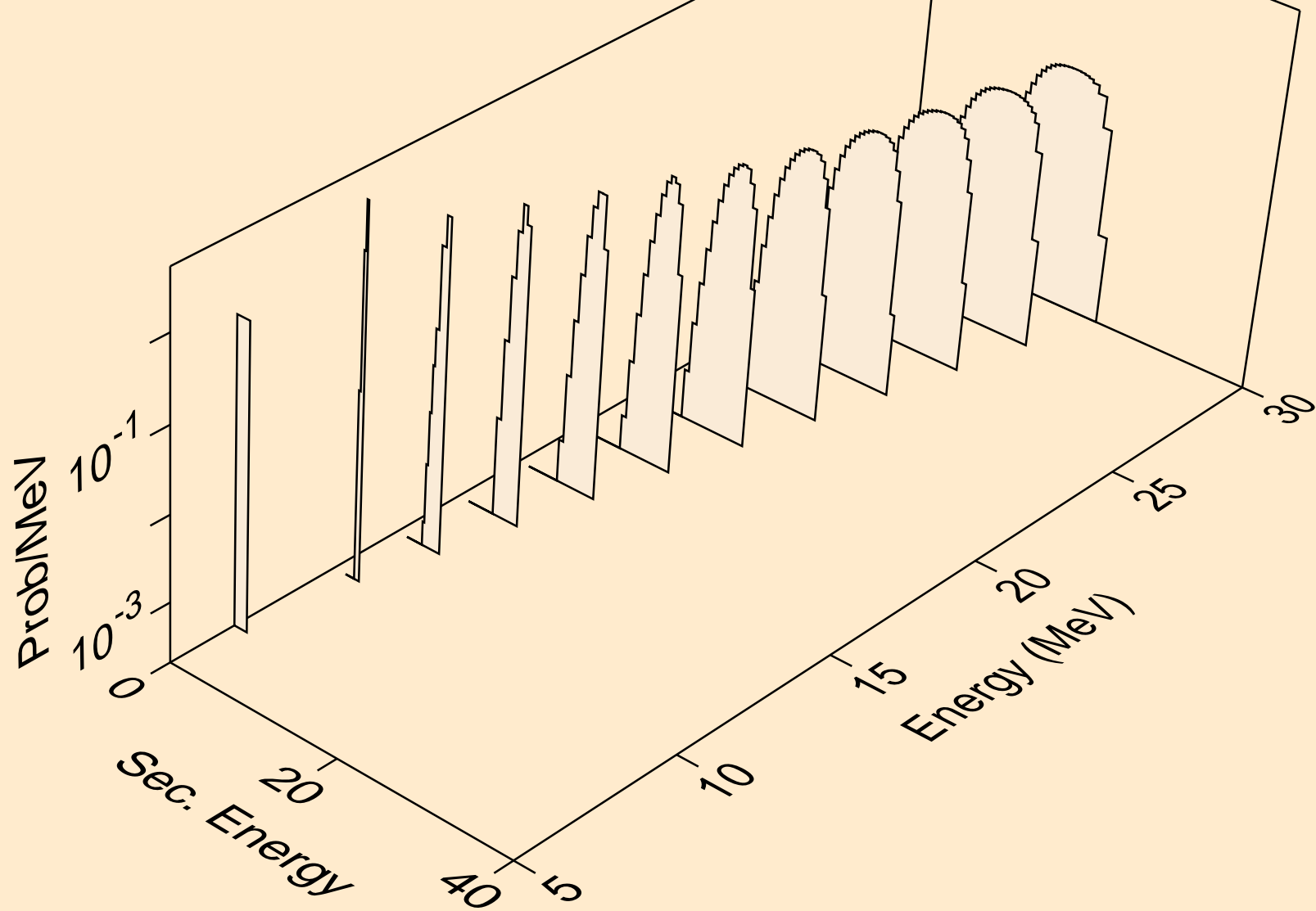


EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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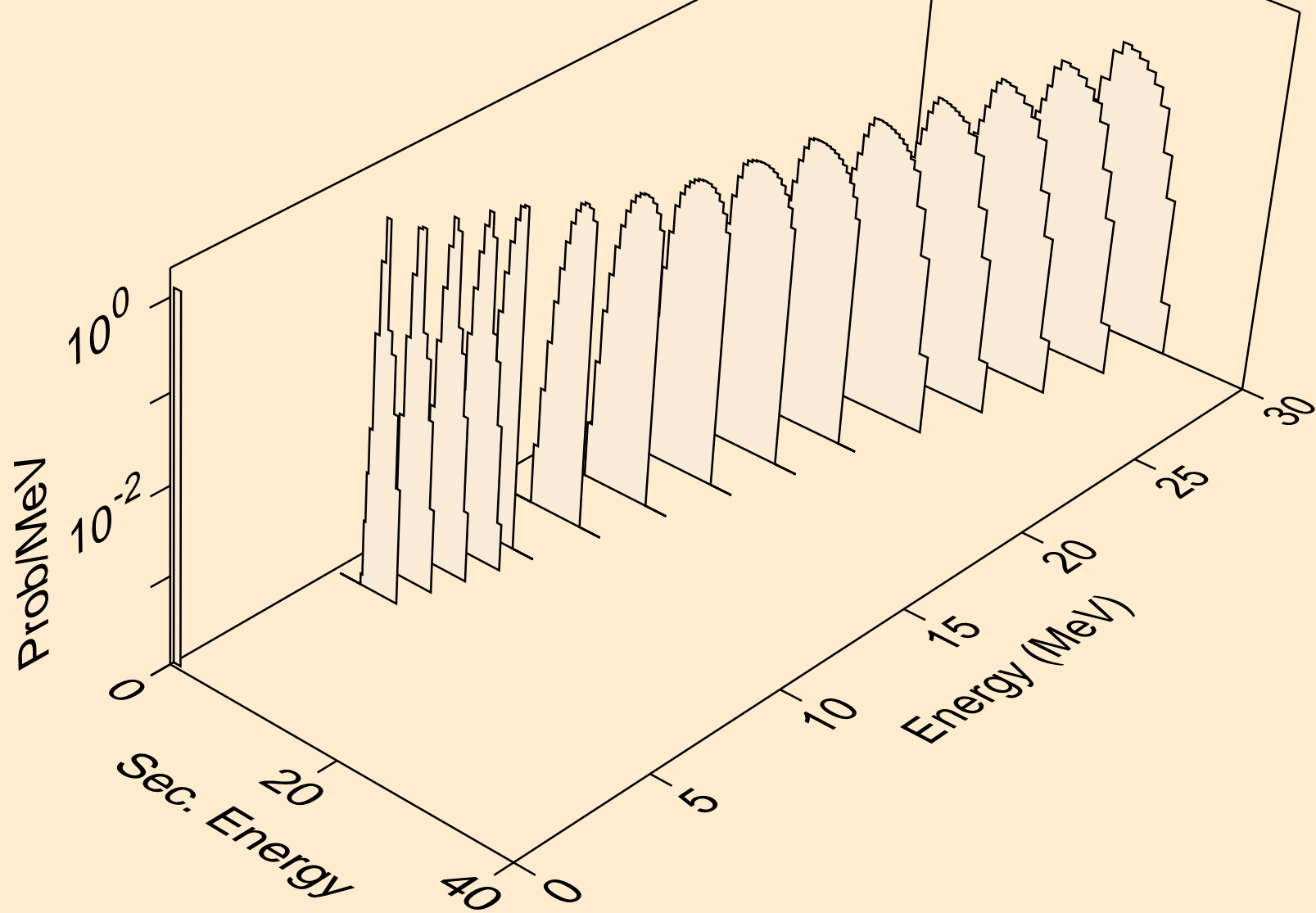




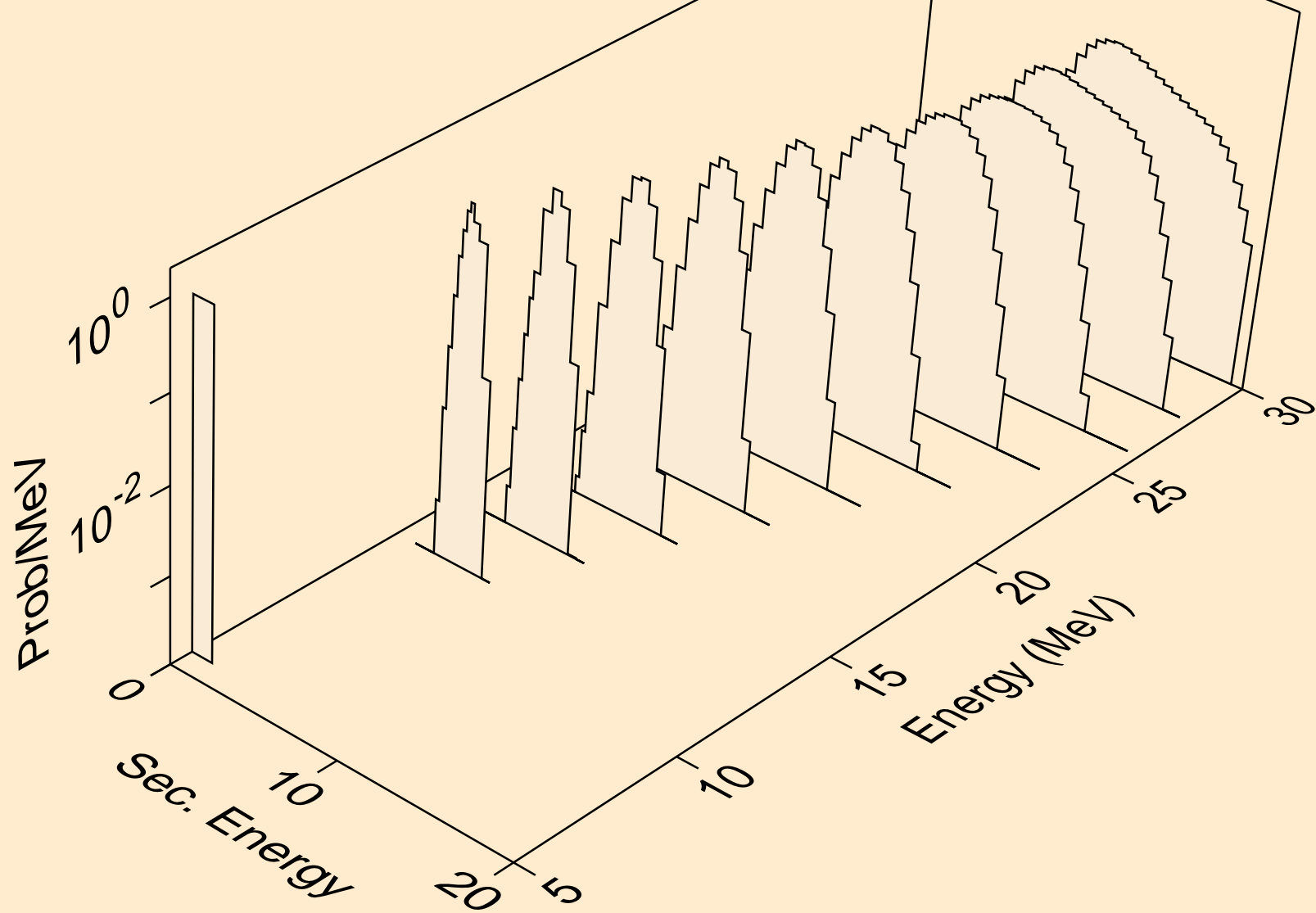
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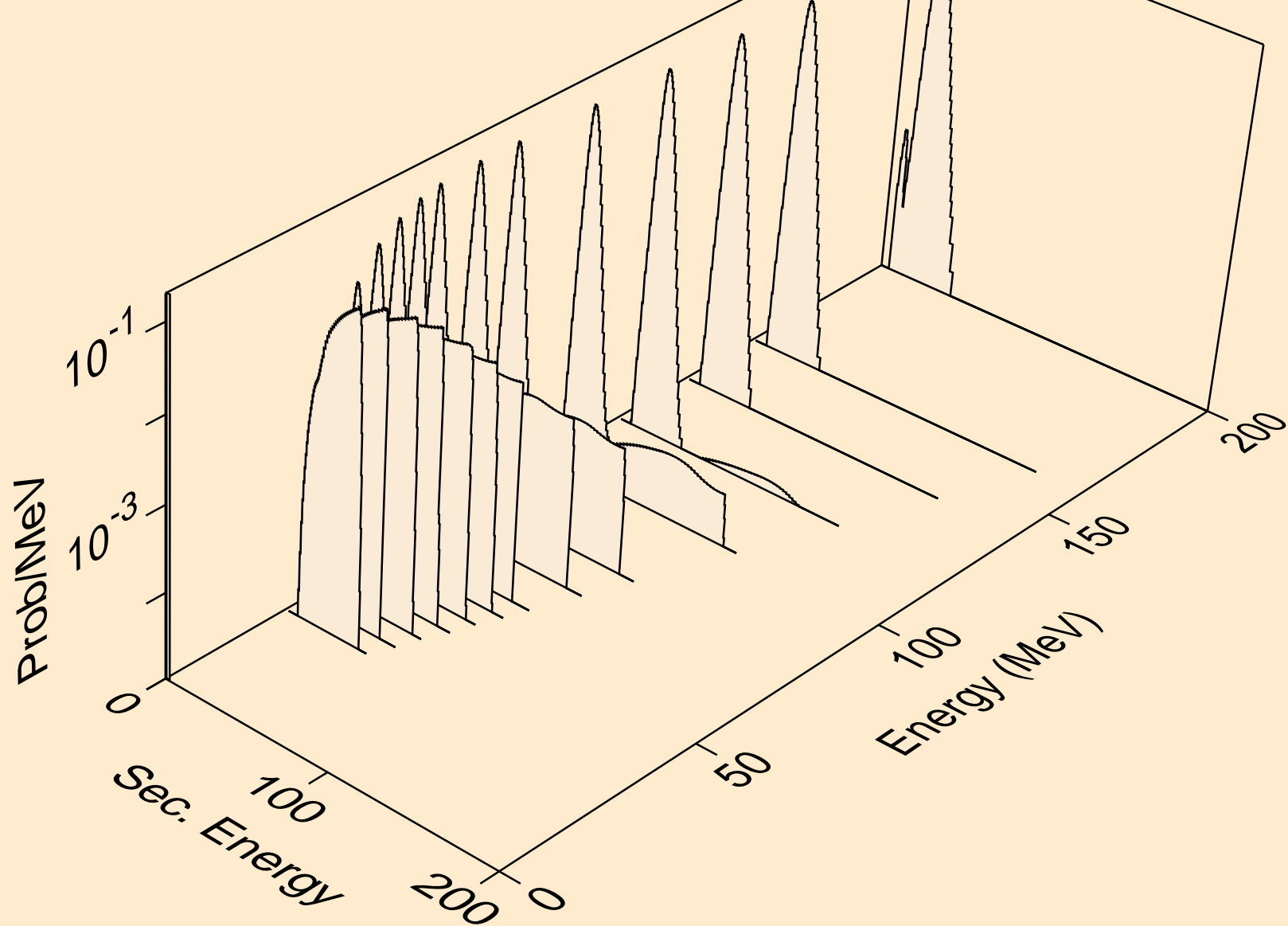
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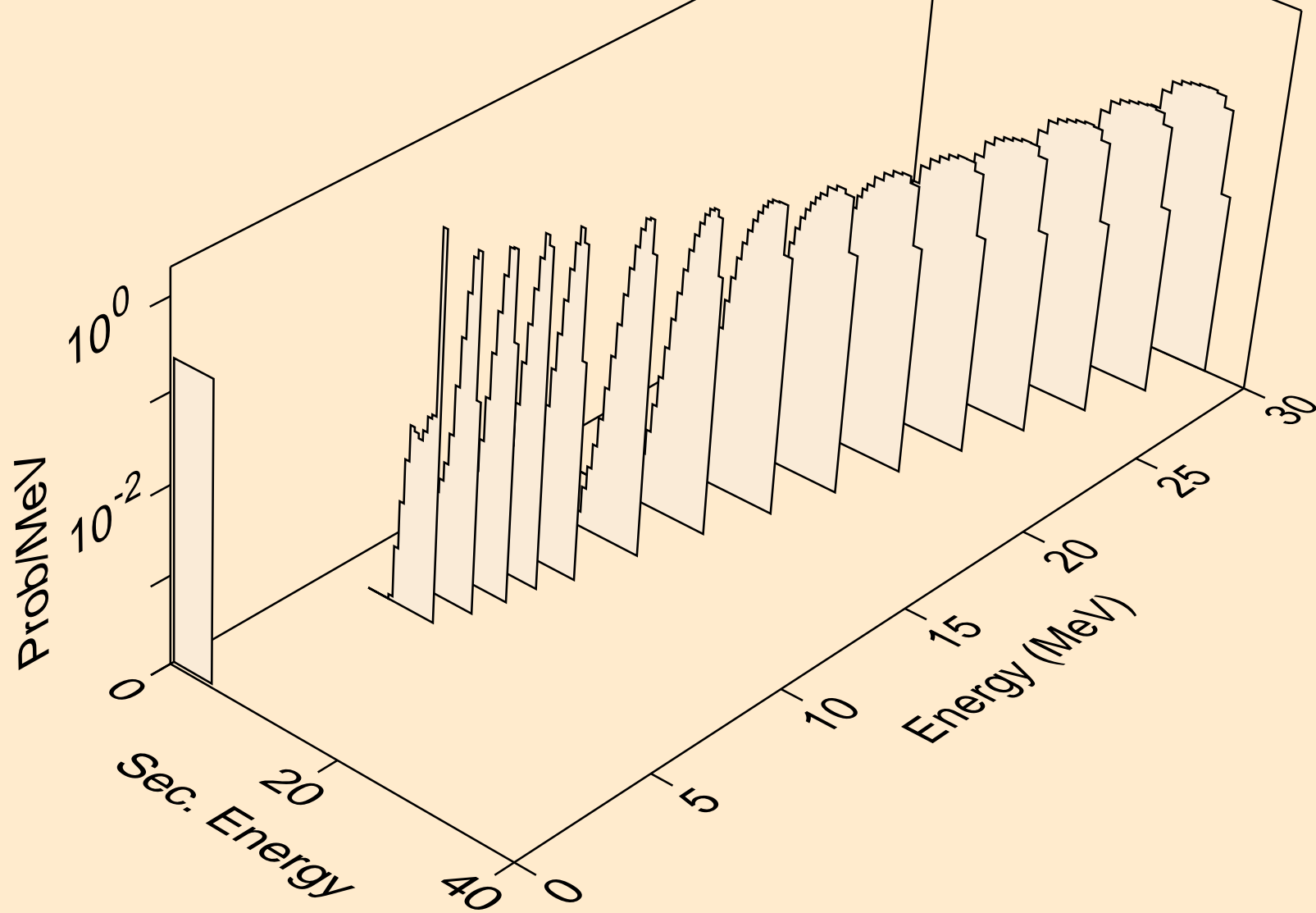
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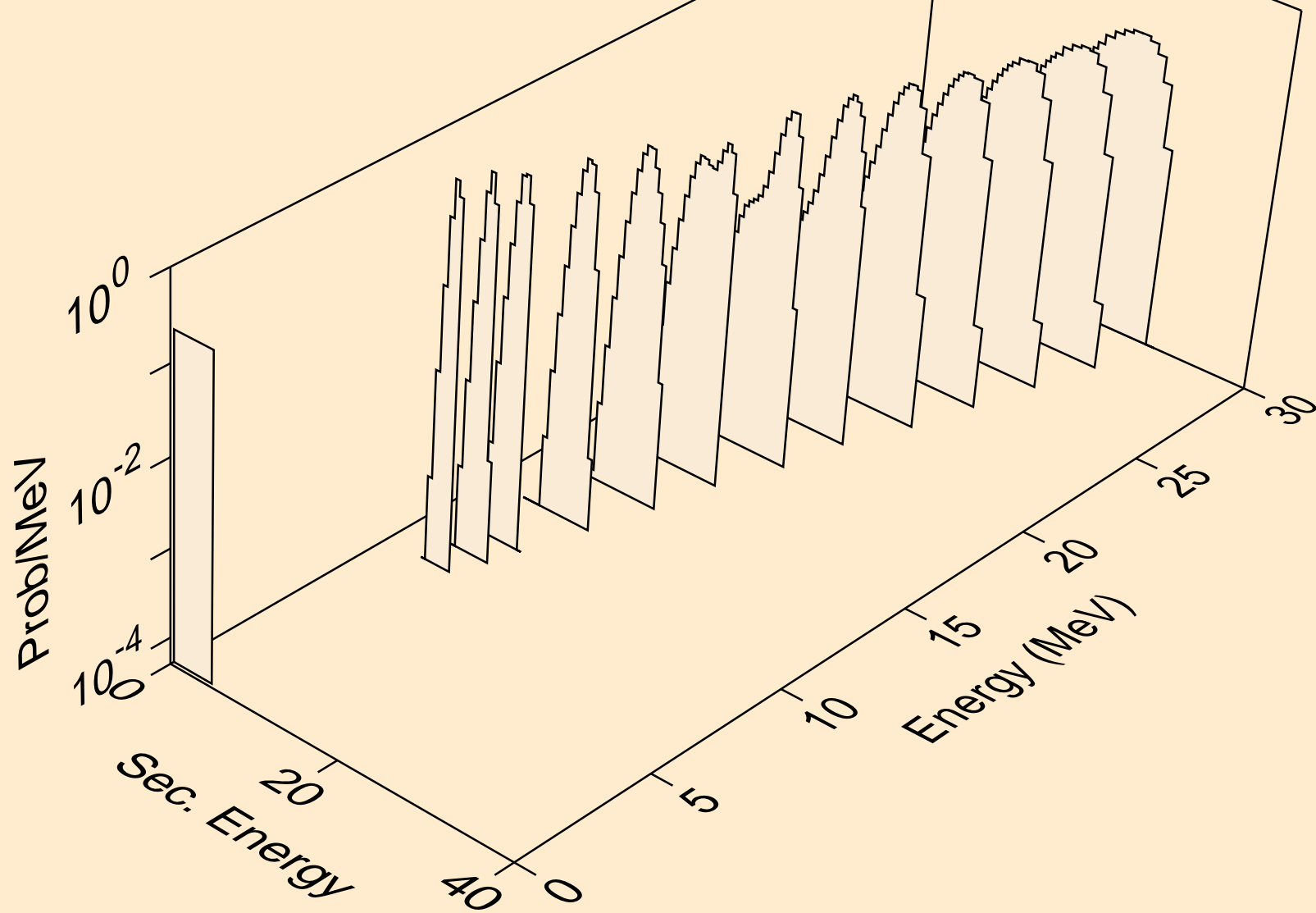
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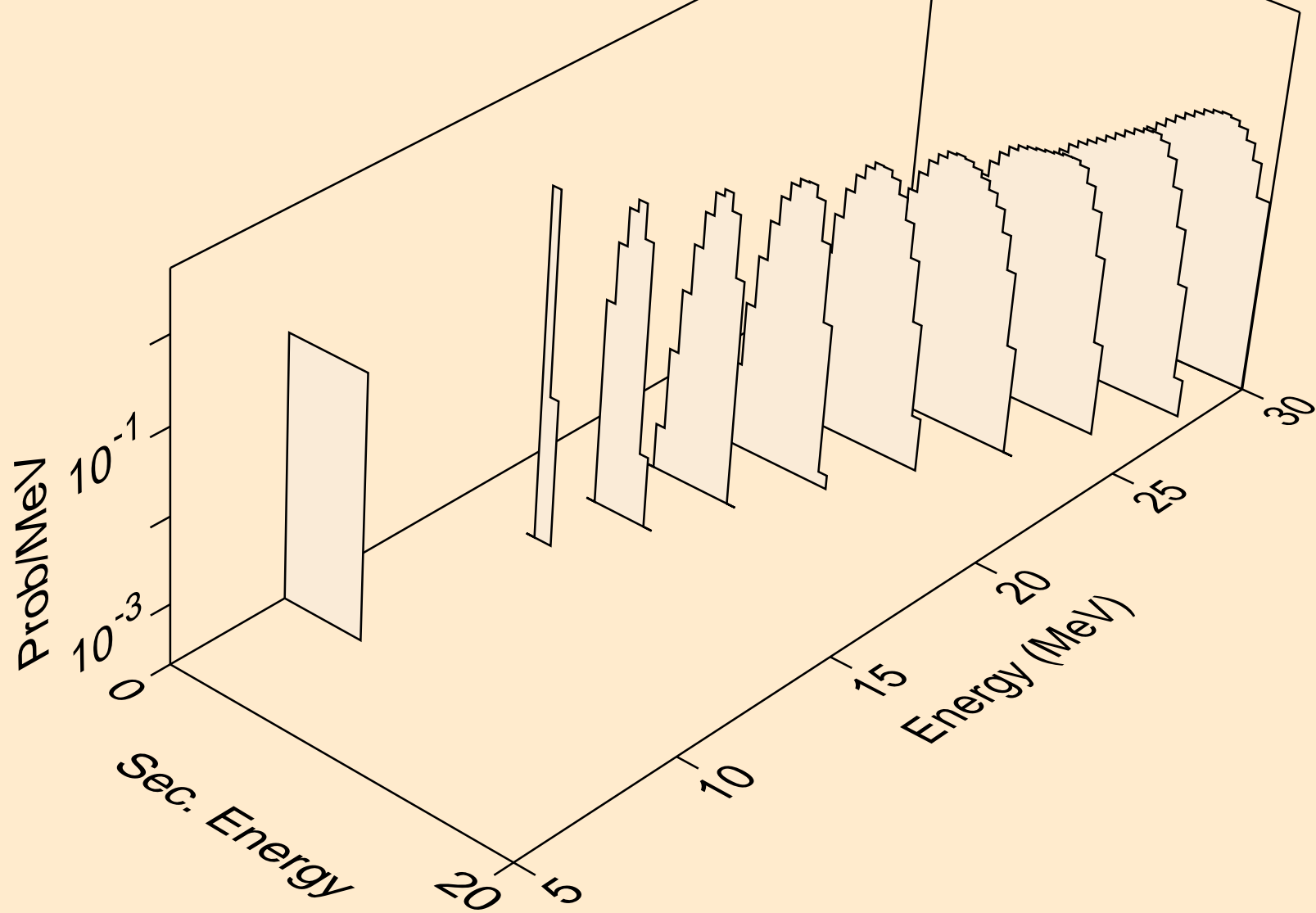
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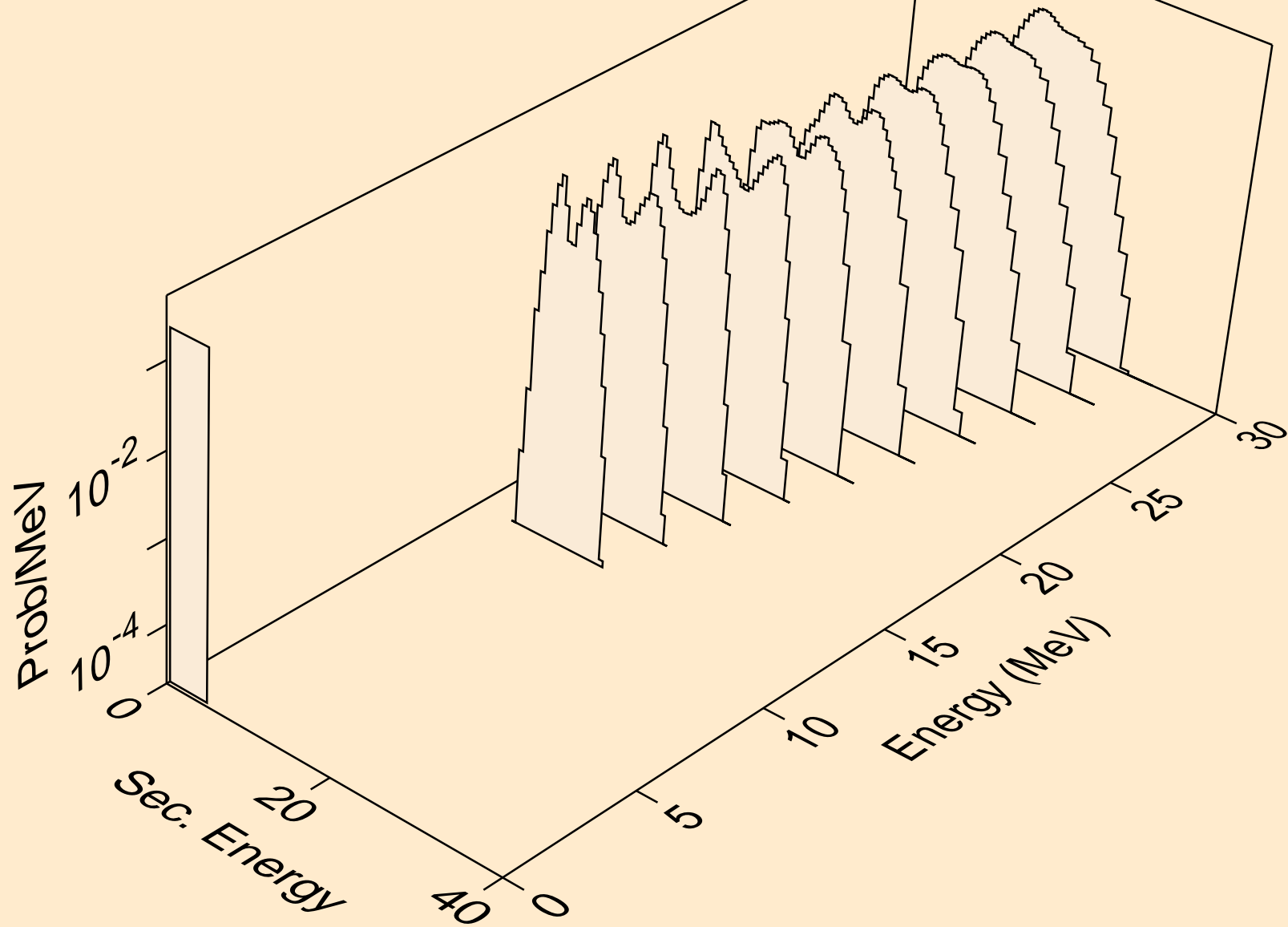
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EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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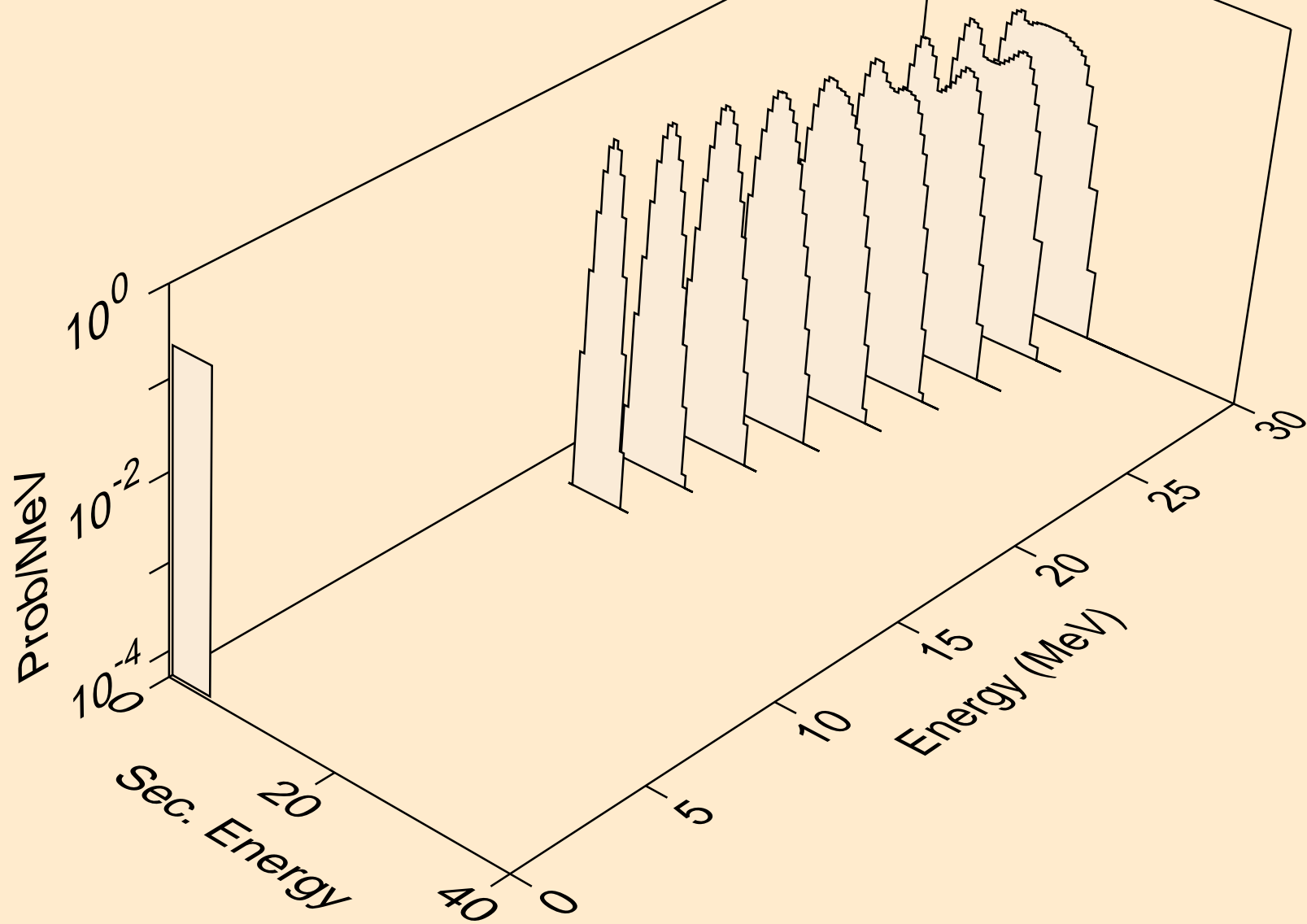


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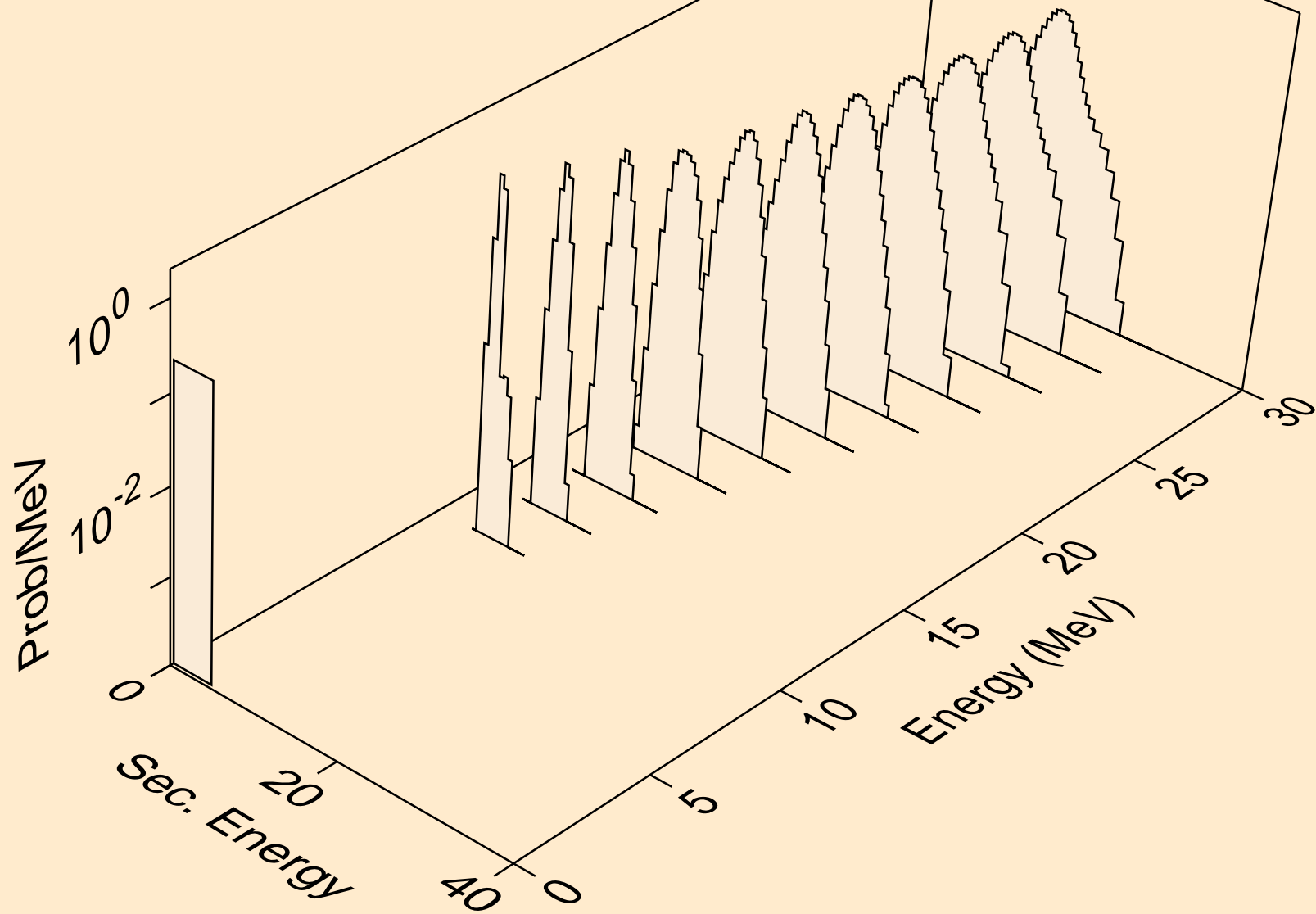




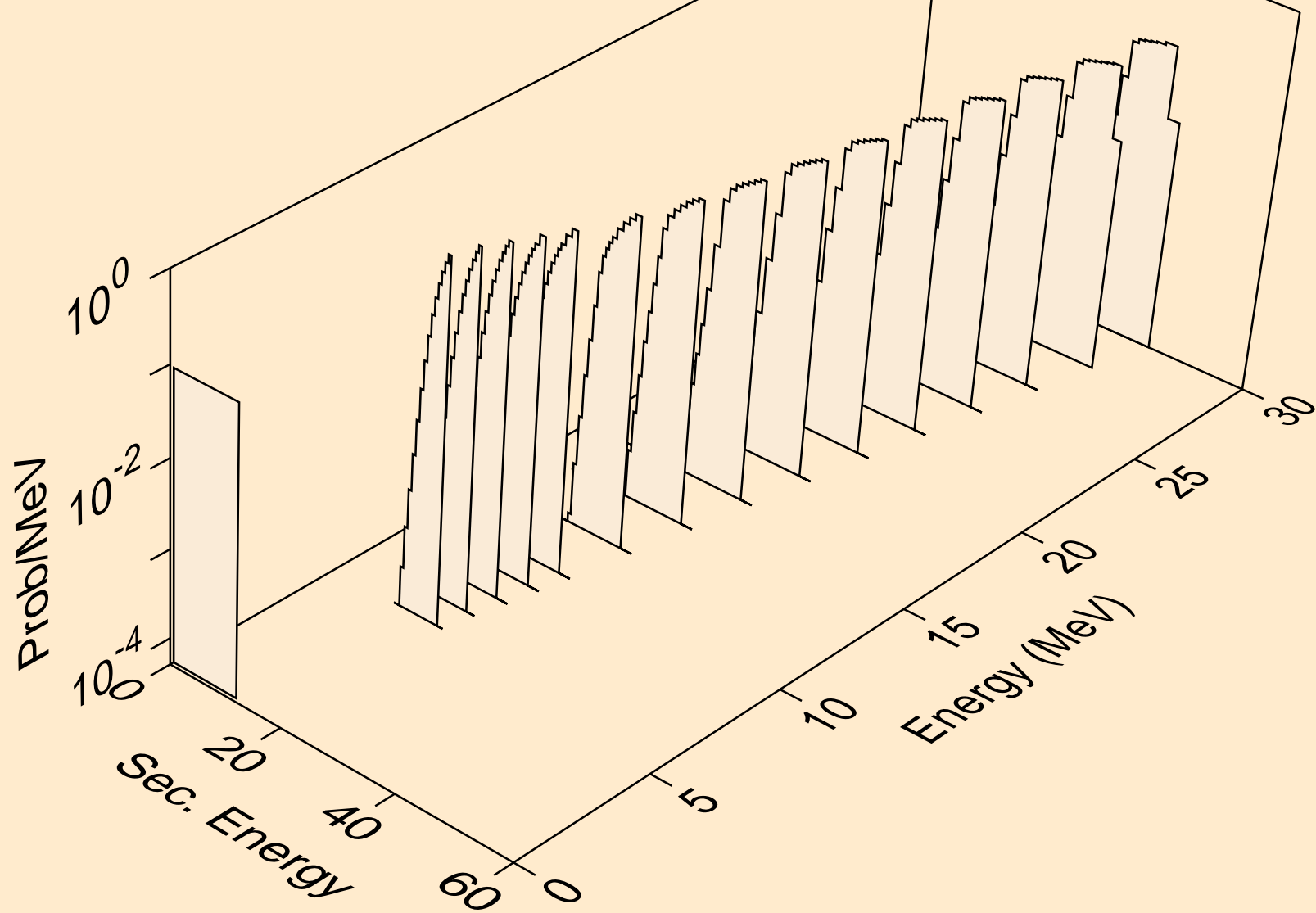
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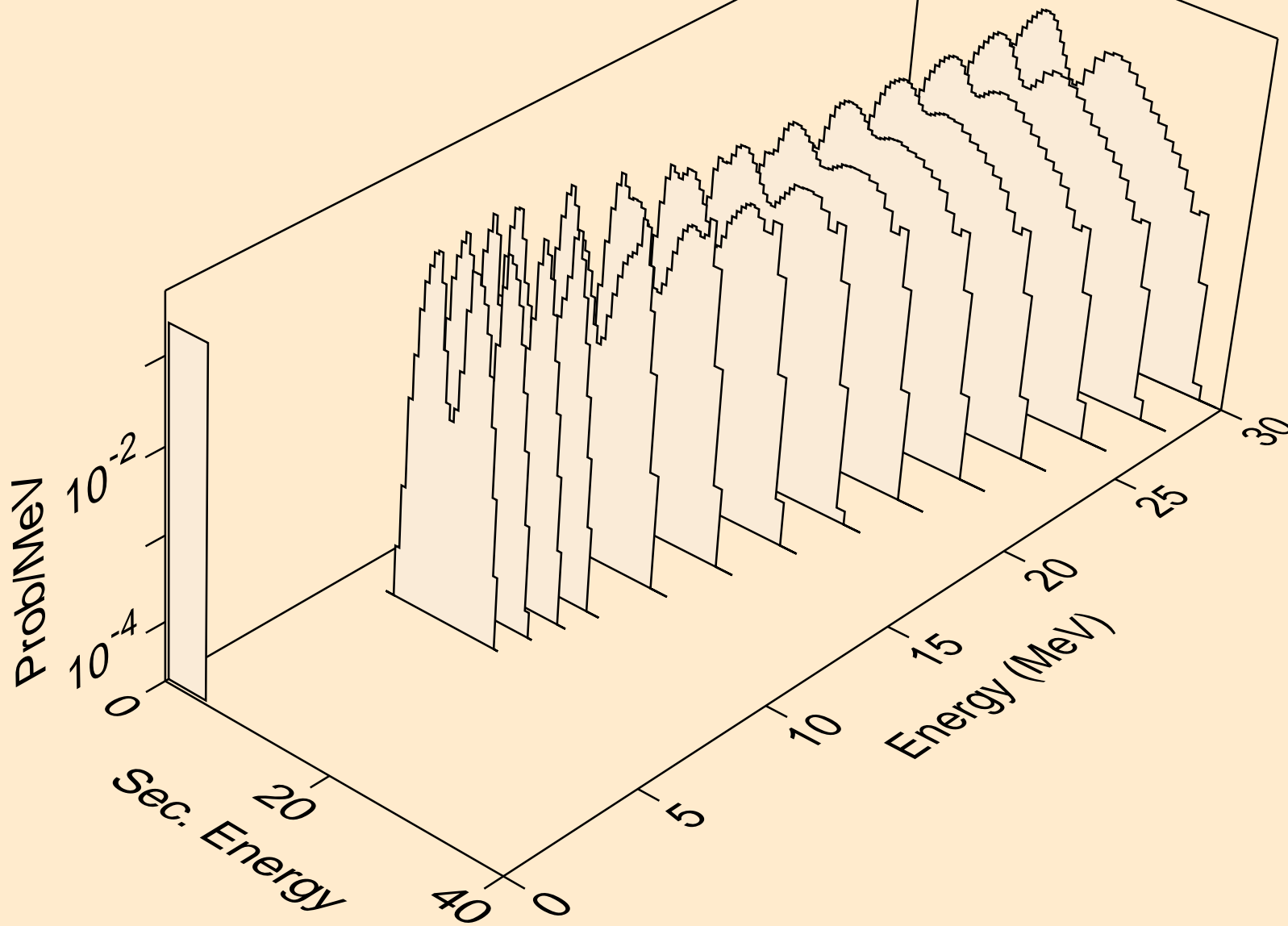
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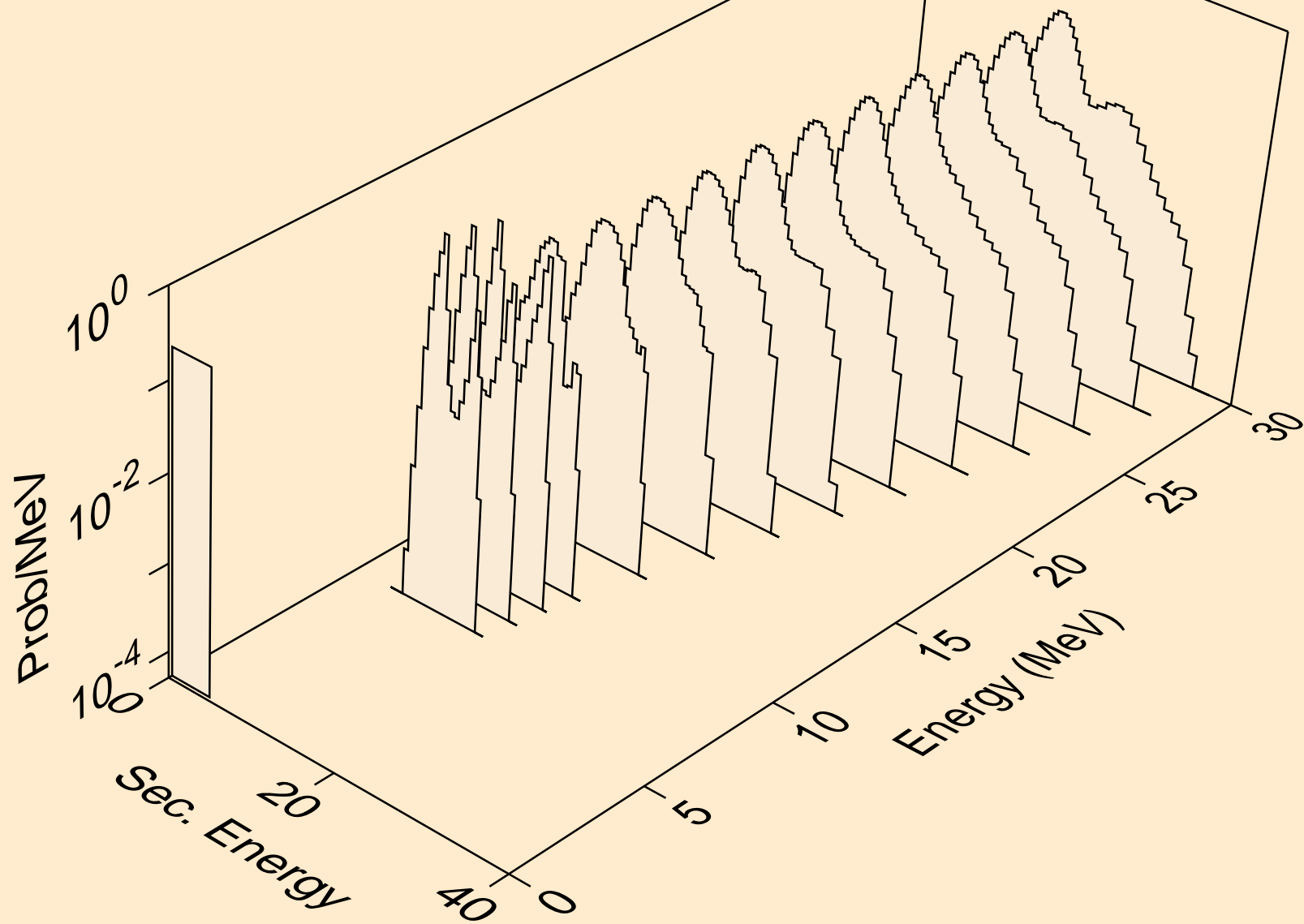
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alphas from (s,a)



EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)



EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



EU152 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

