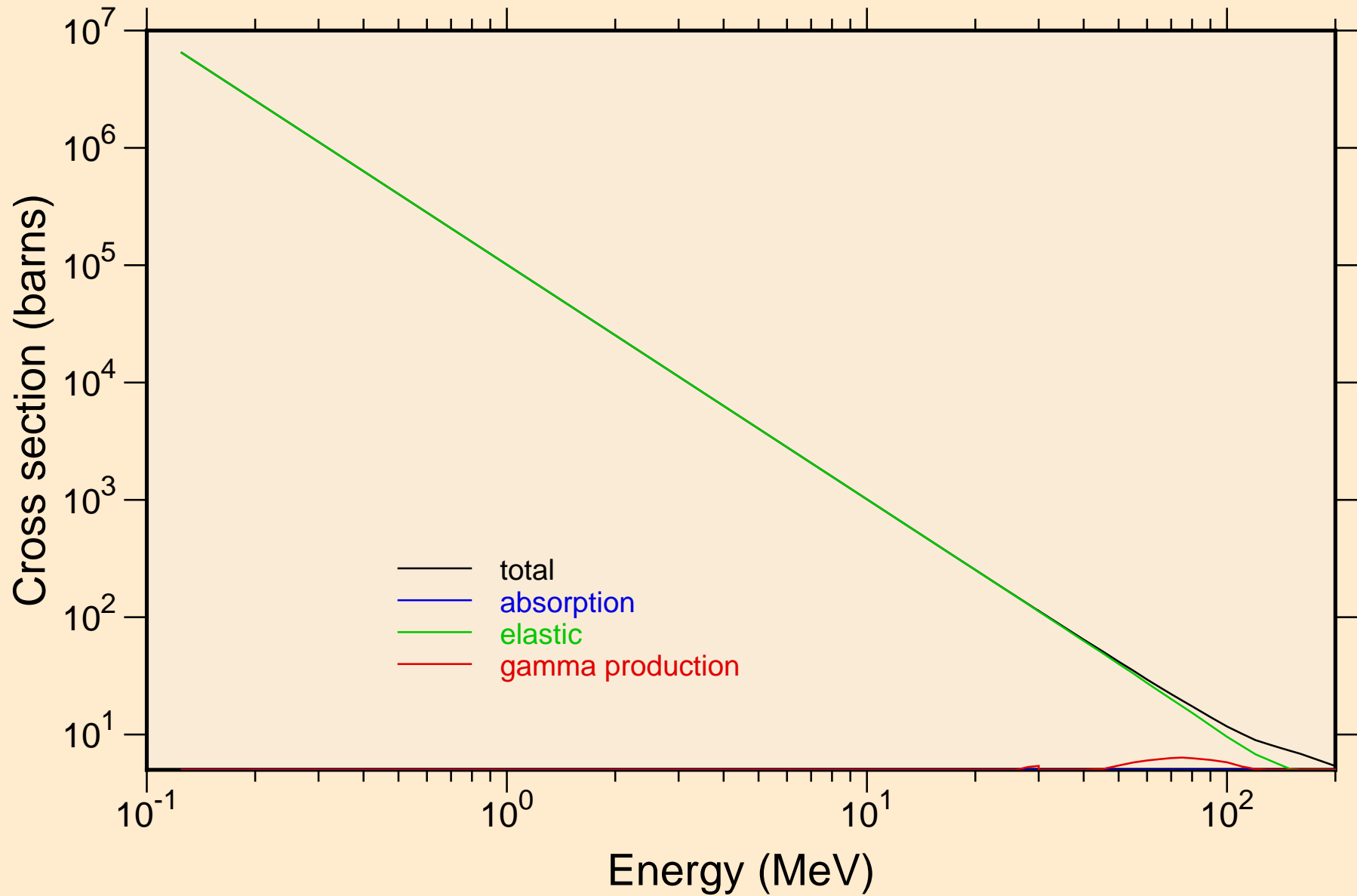
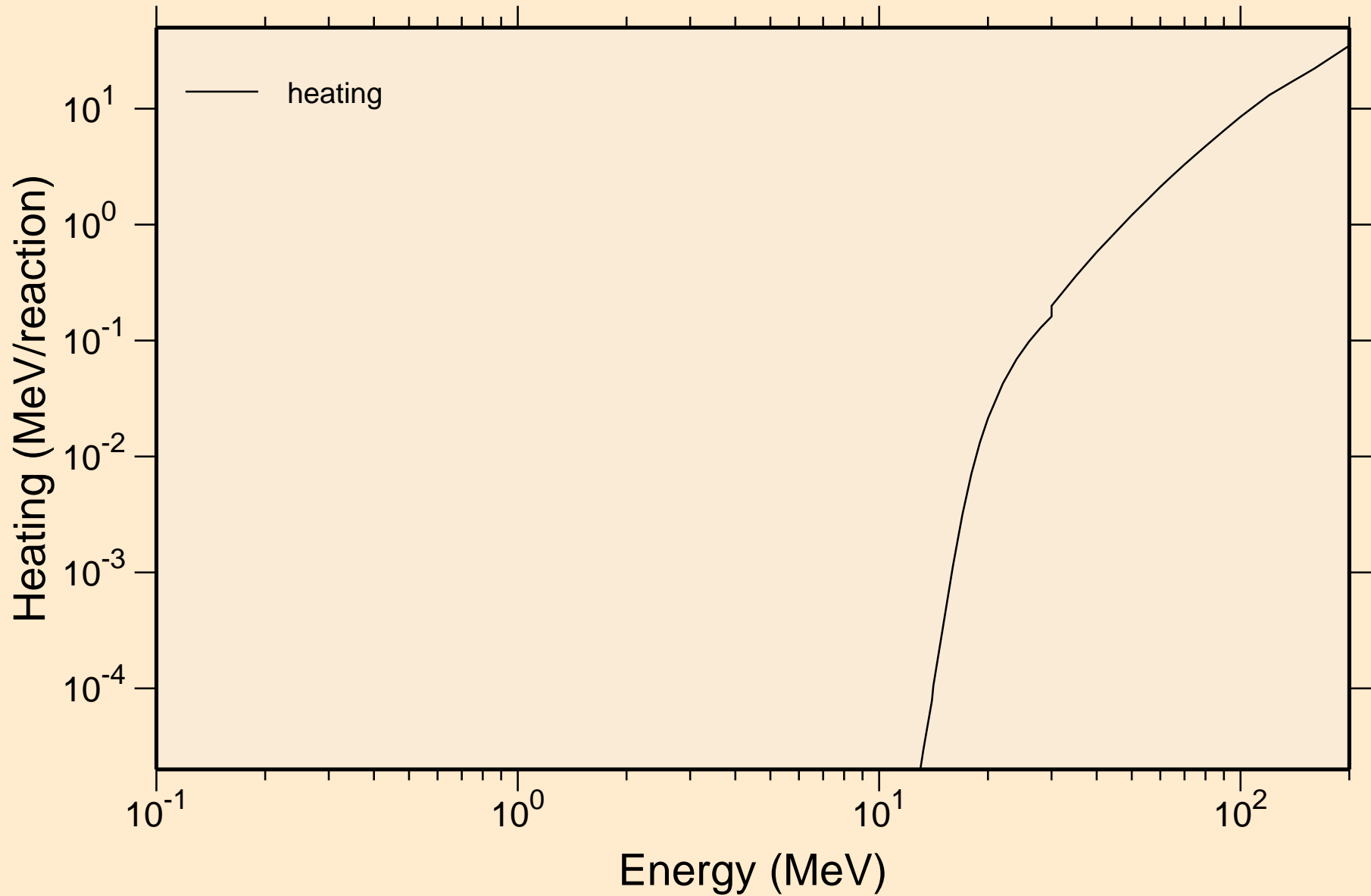


EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



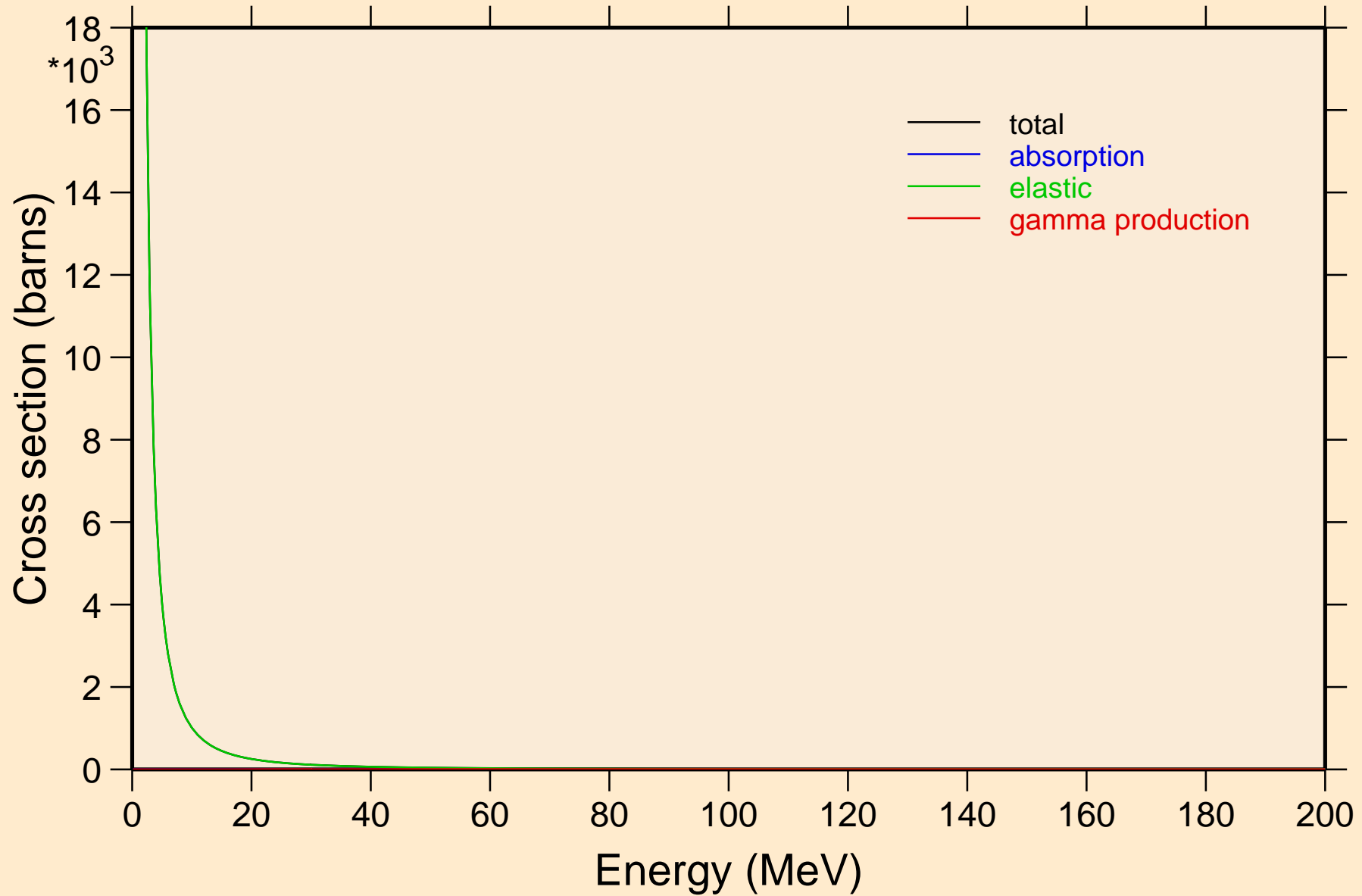
# EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Heating



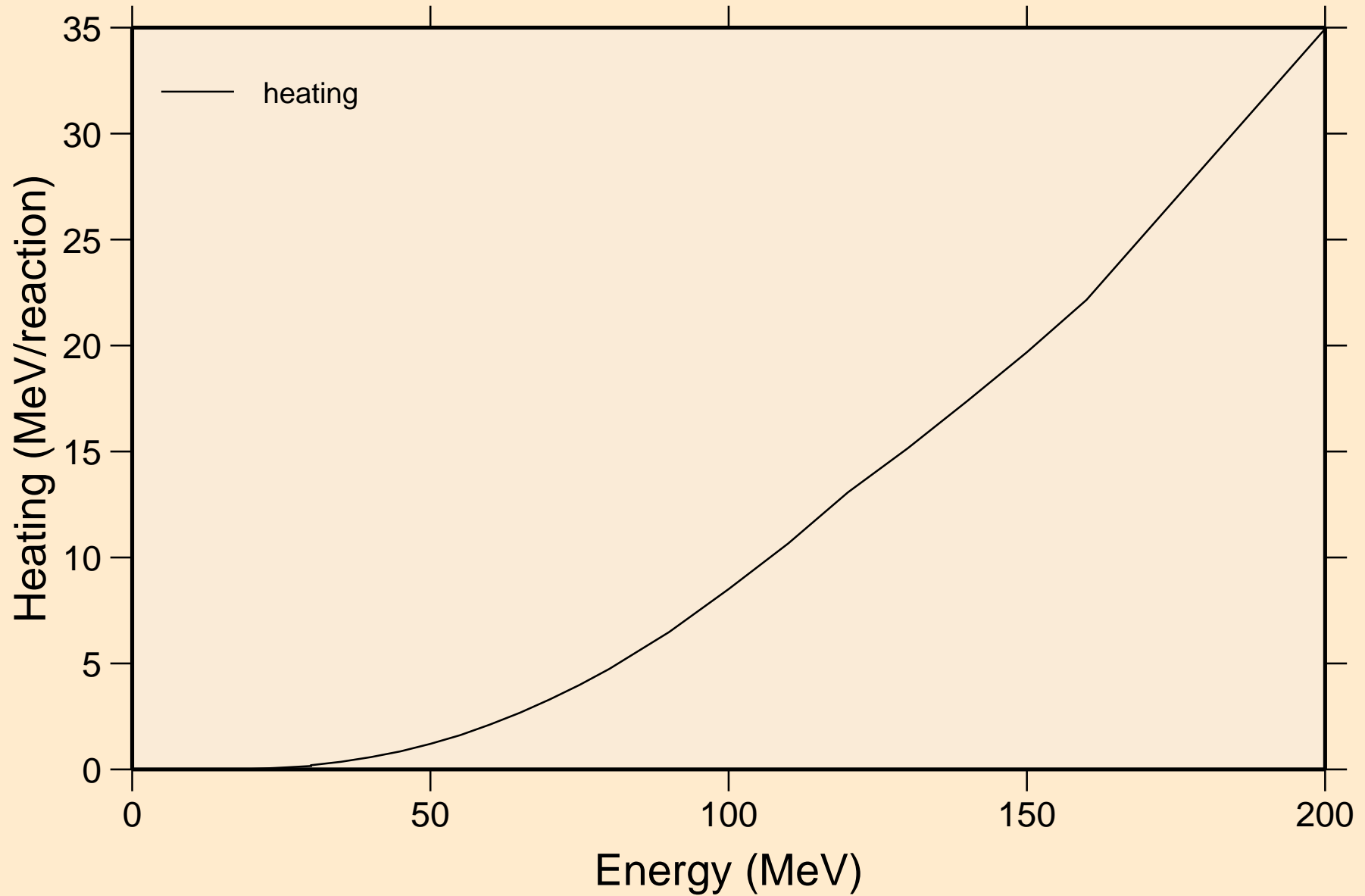
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## Principal cross sections



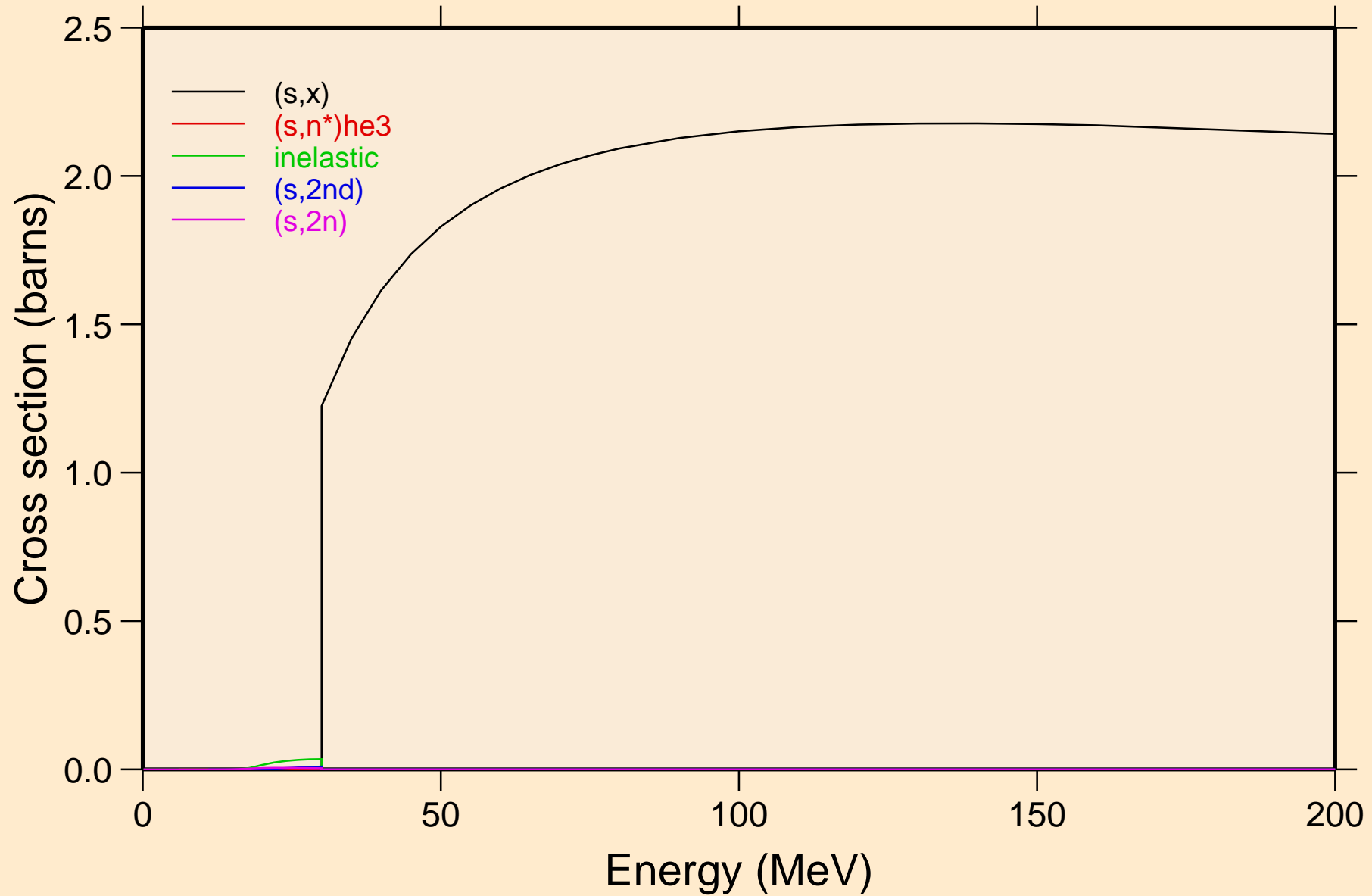
# EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Heating



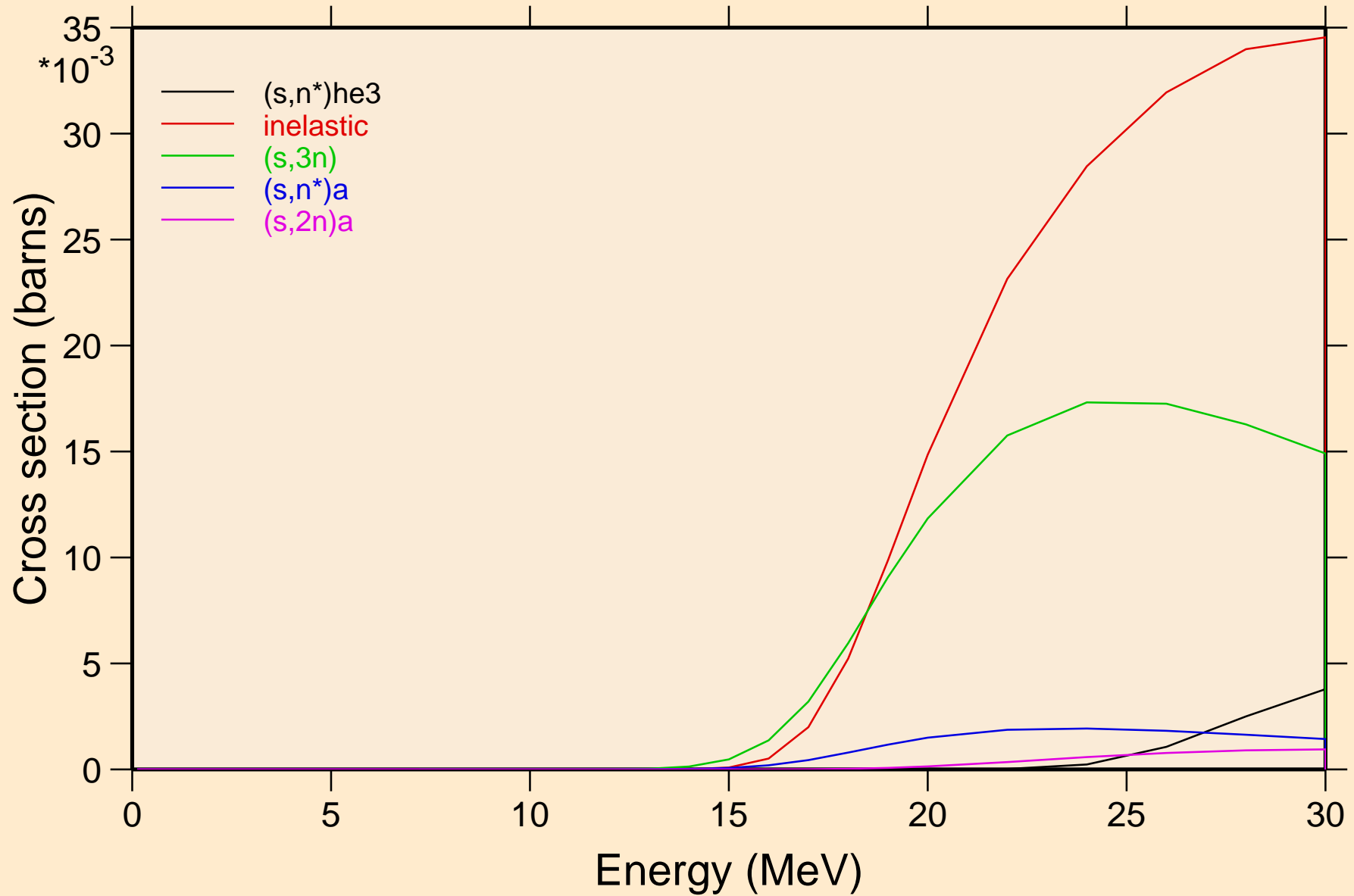
# EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



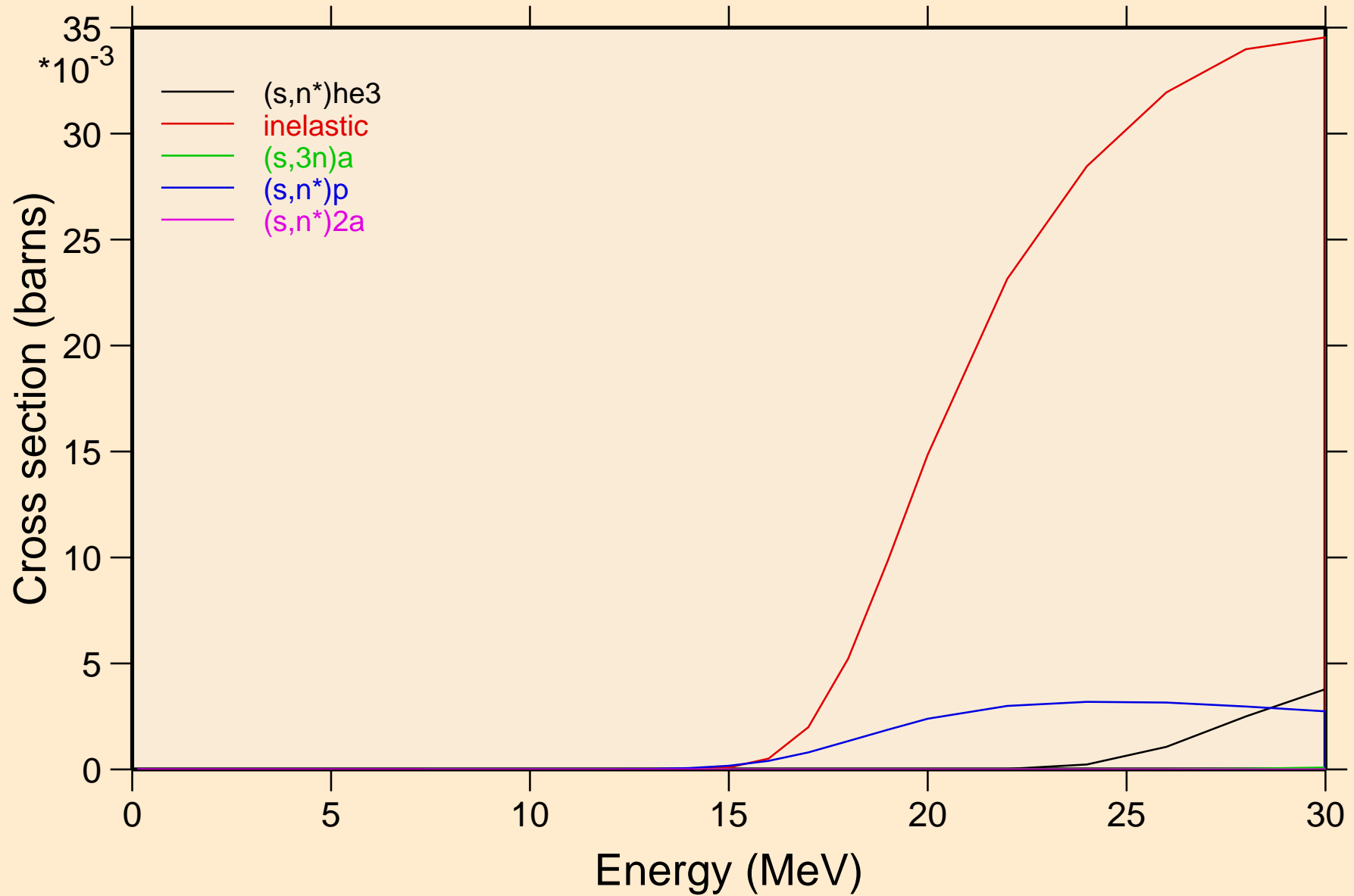
# EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



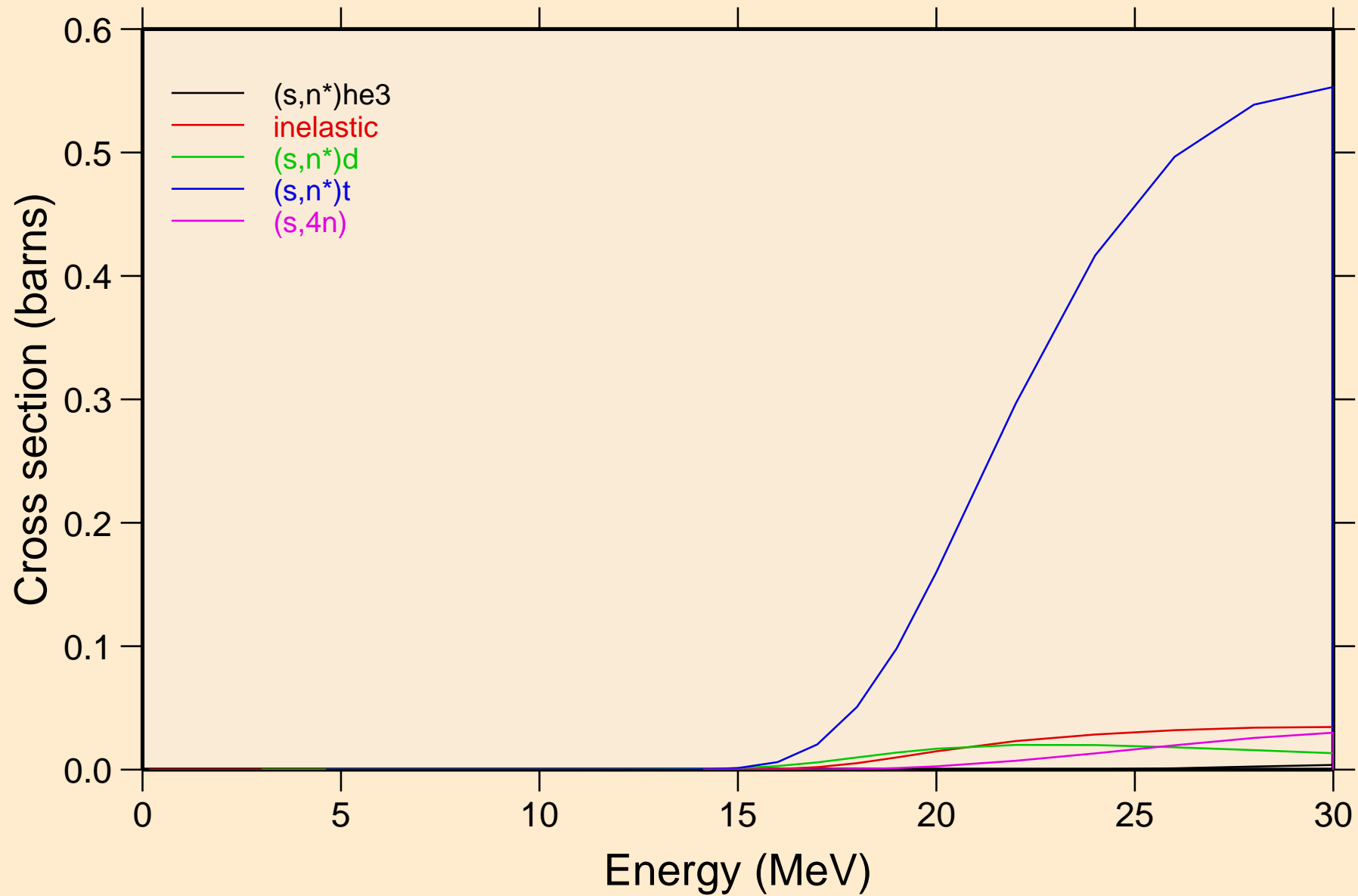
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## Threshold reactions



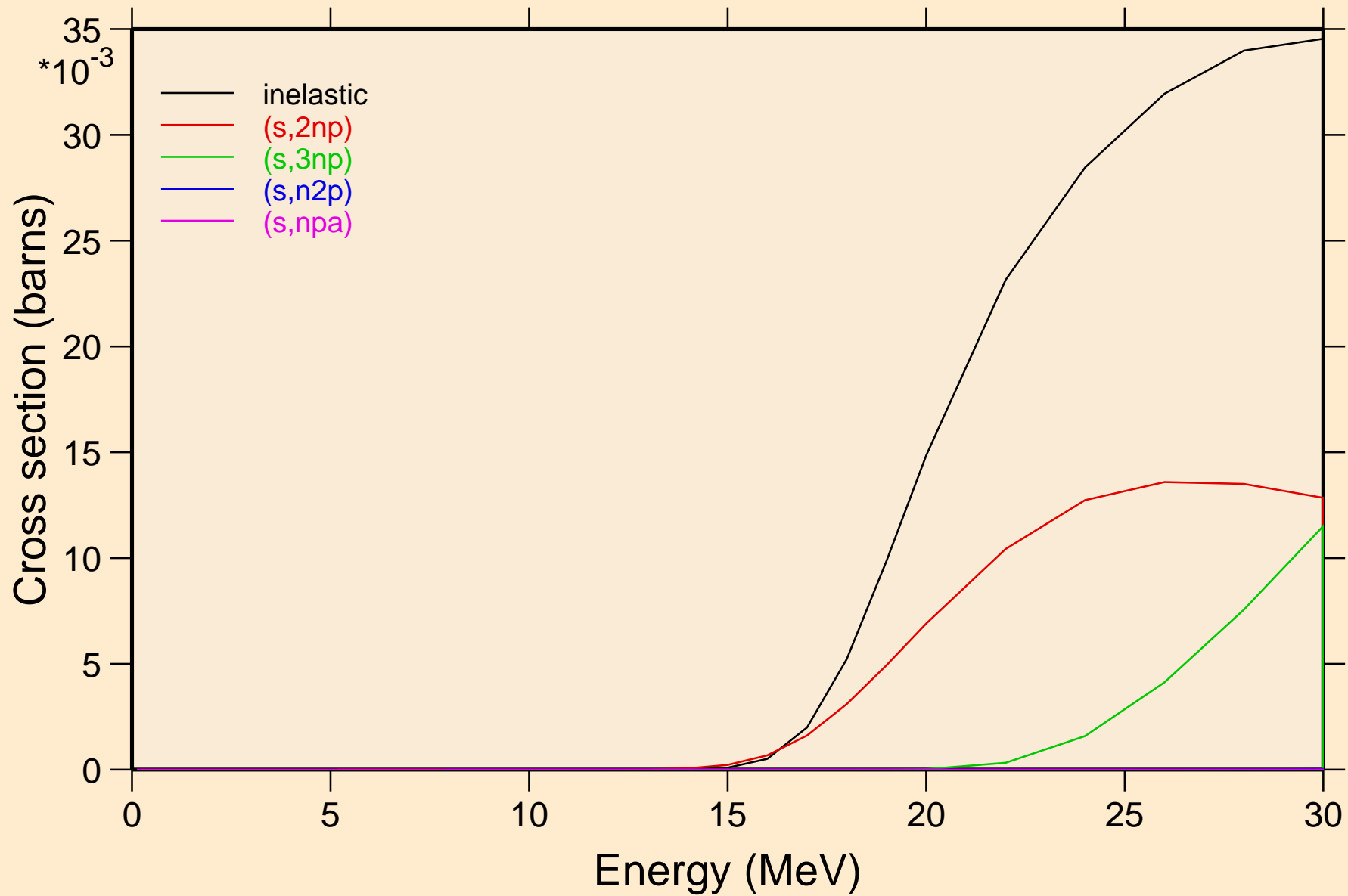
# EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



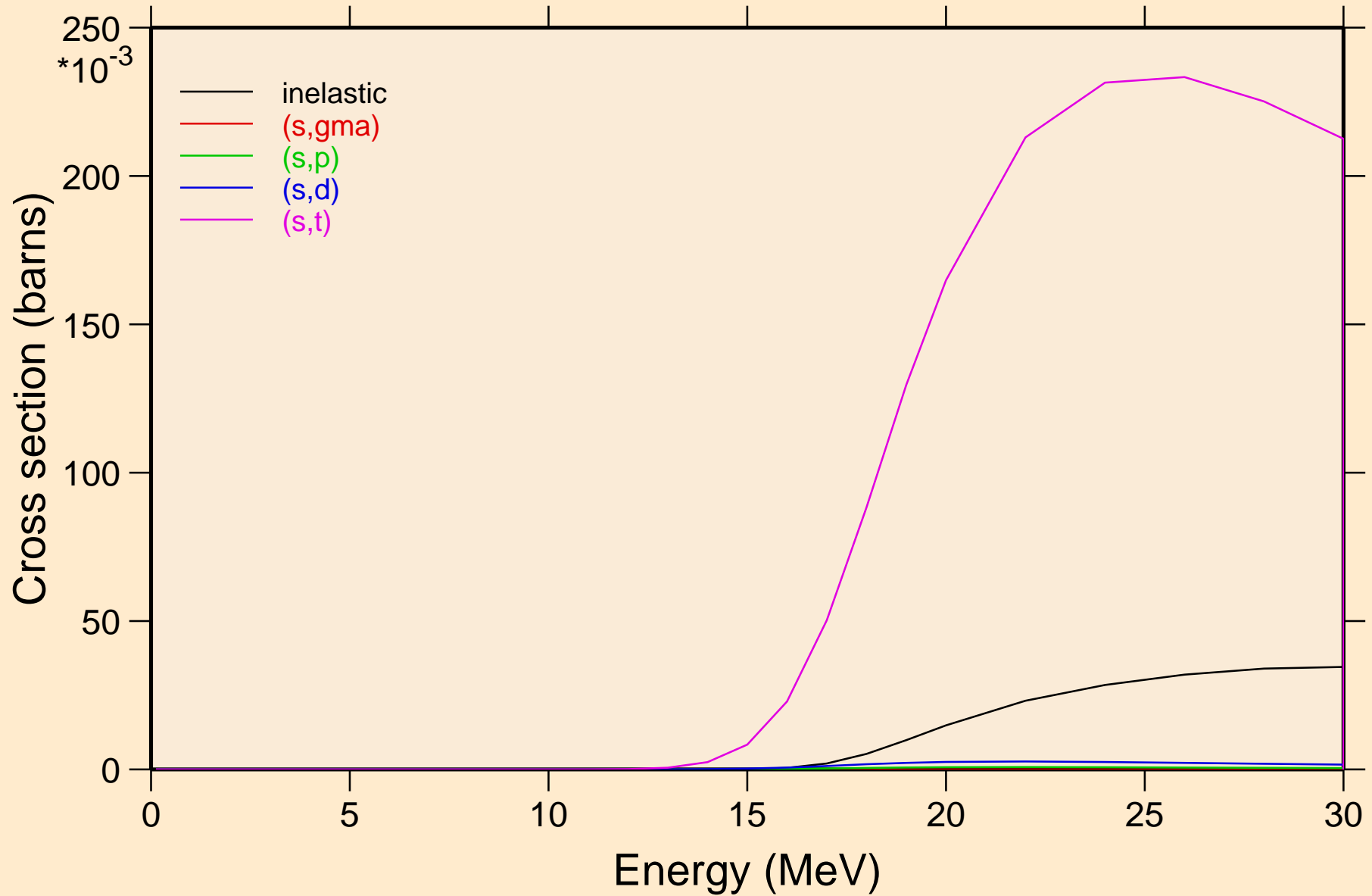


EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

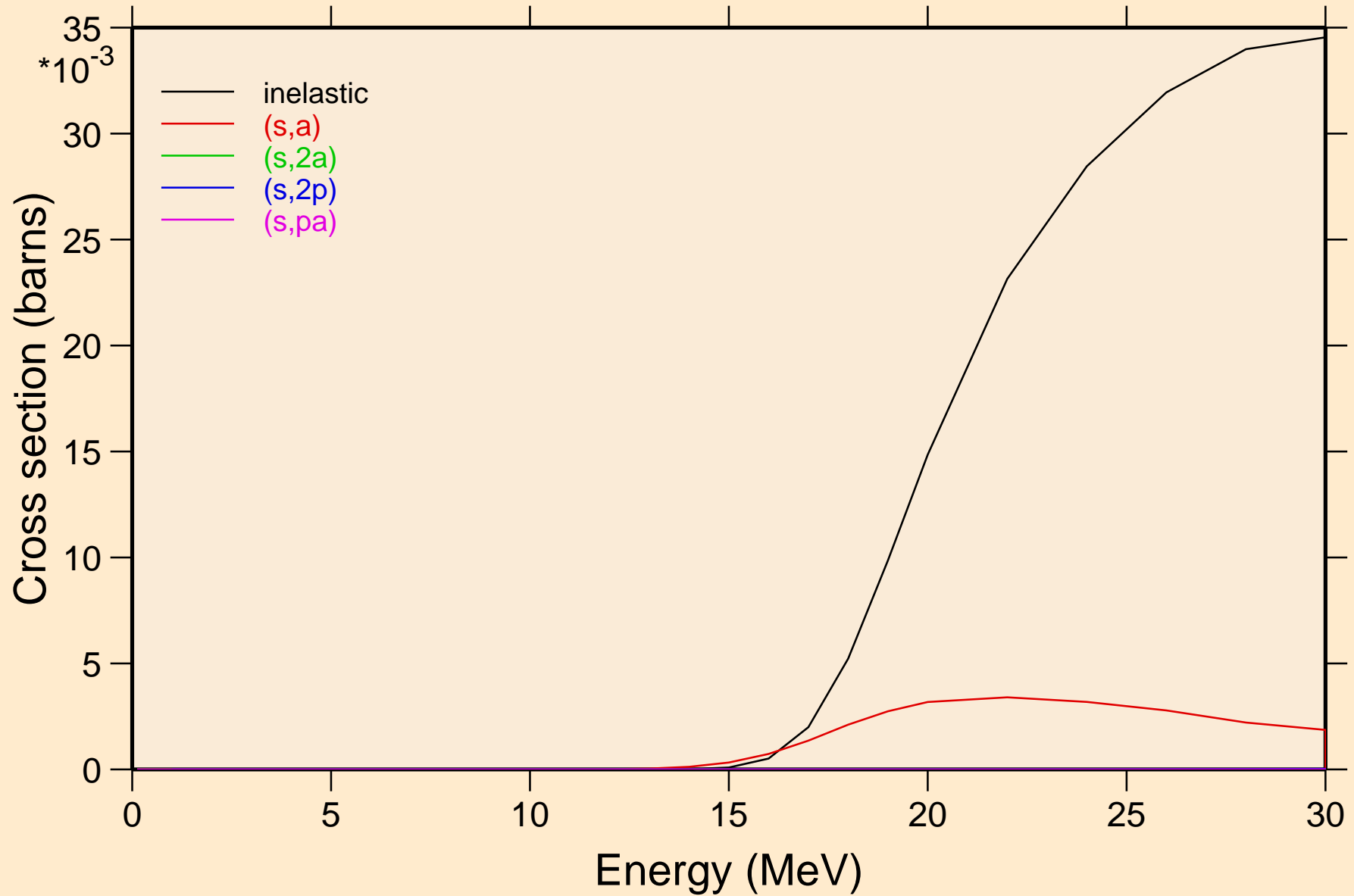


# EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K

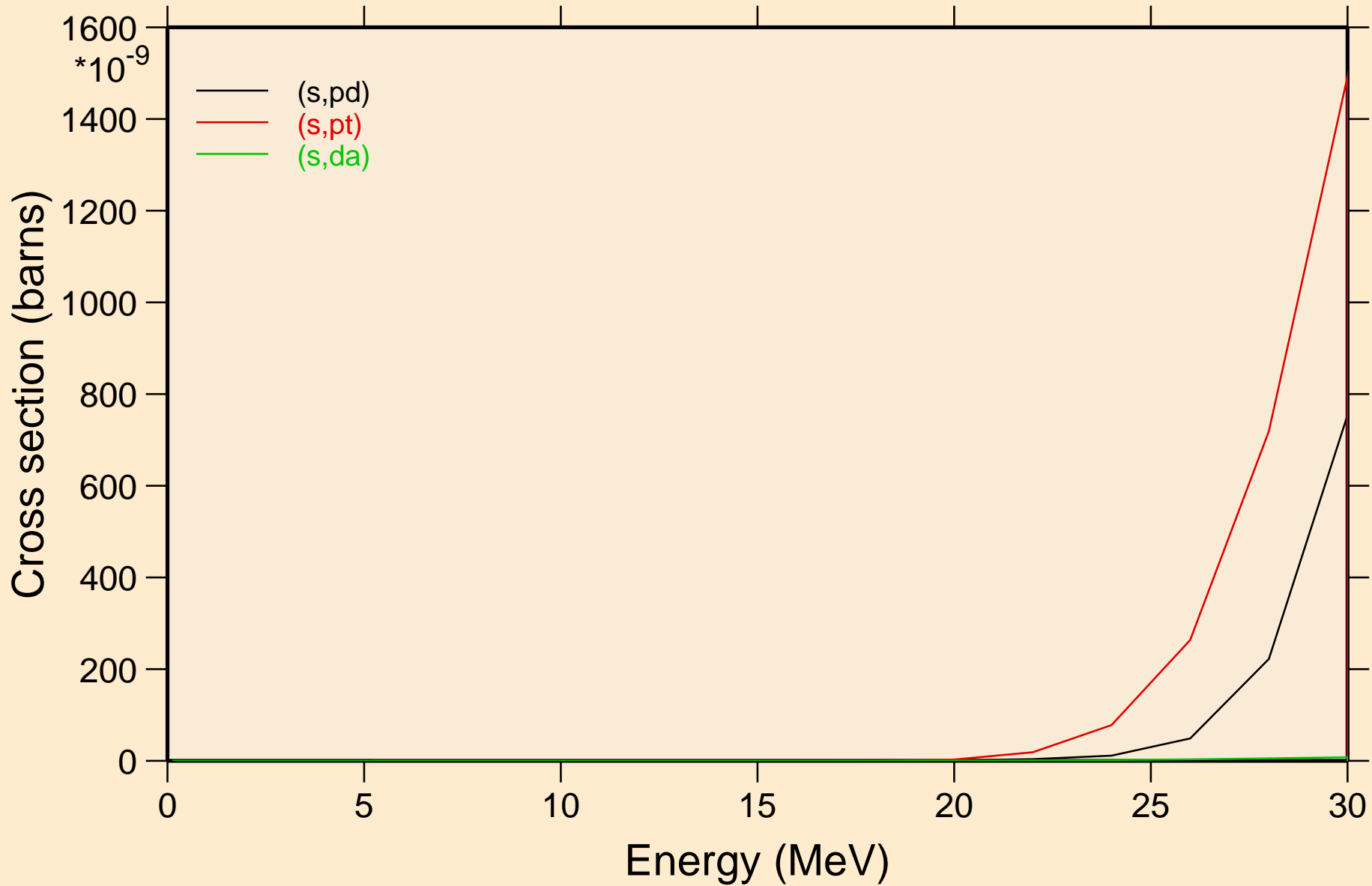
## Threshold reactions



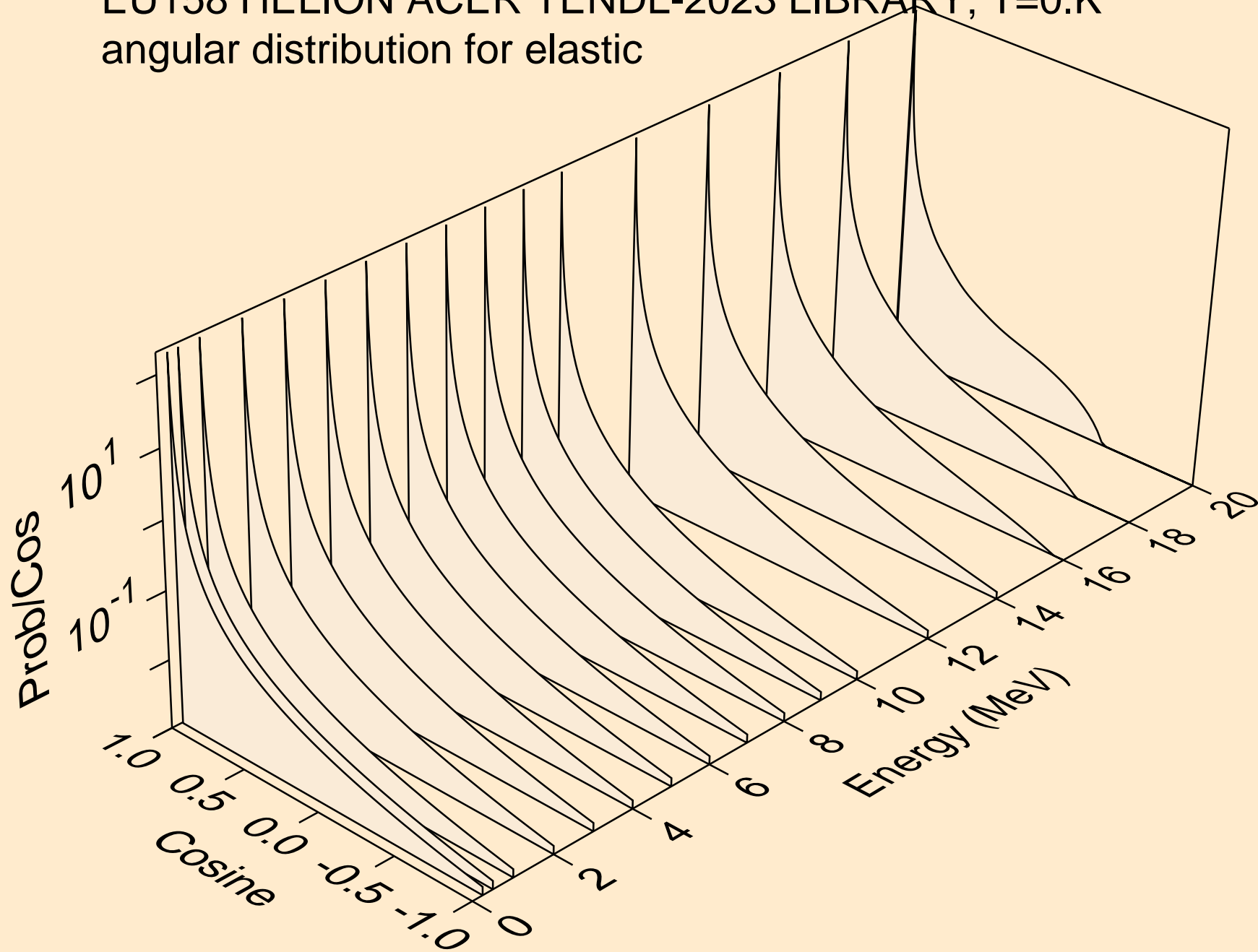
EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



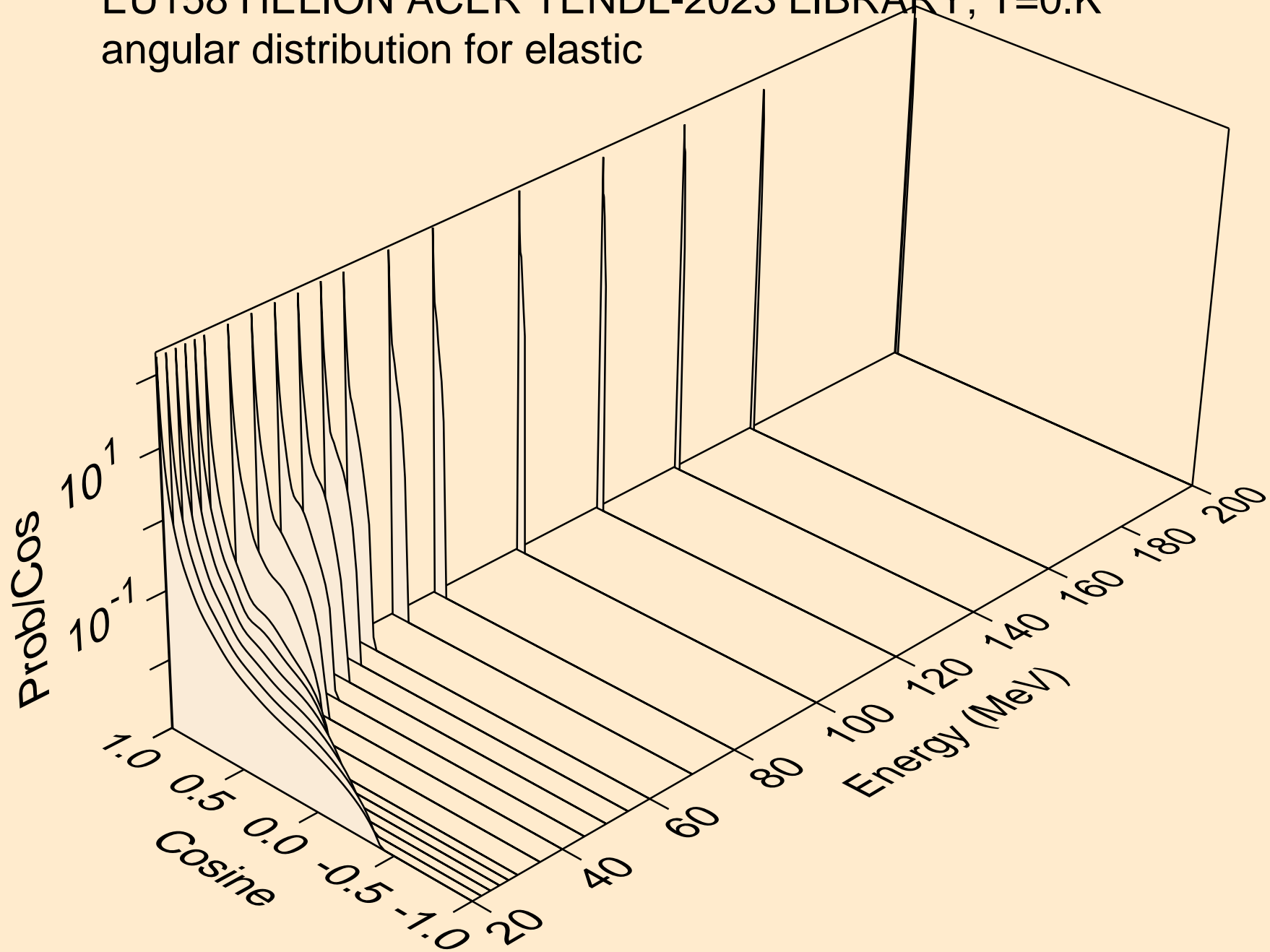
EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



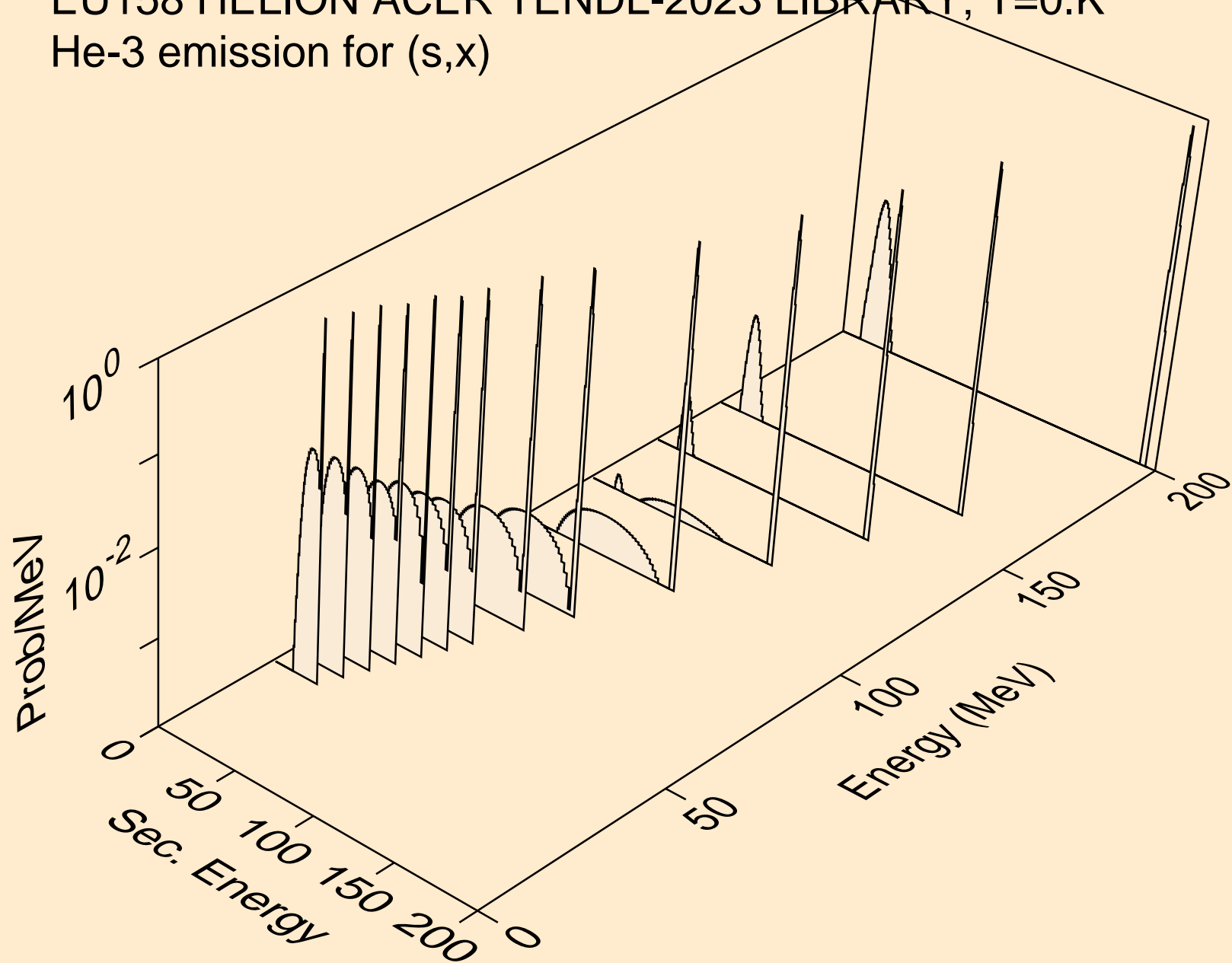
EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



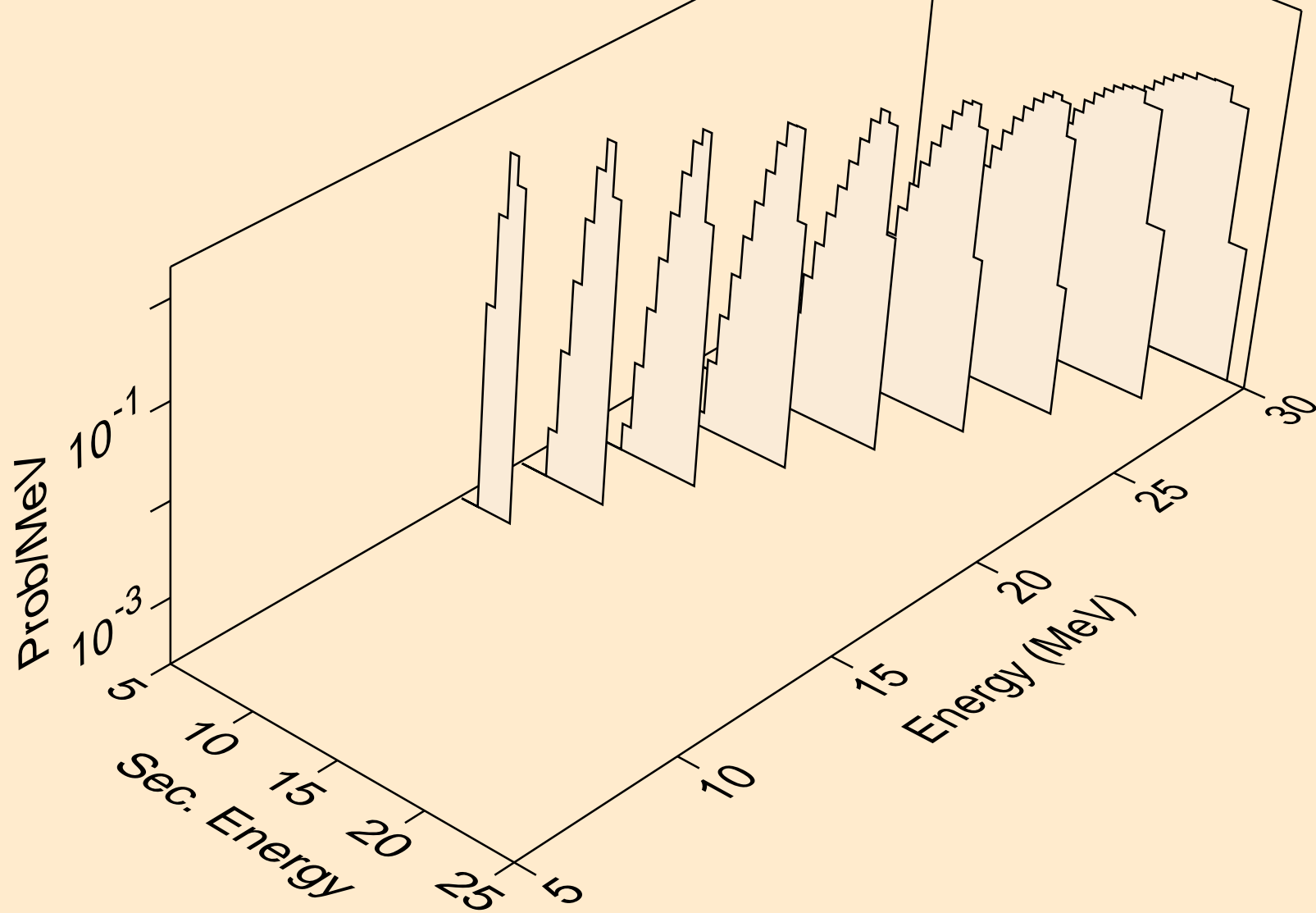
EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)

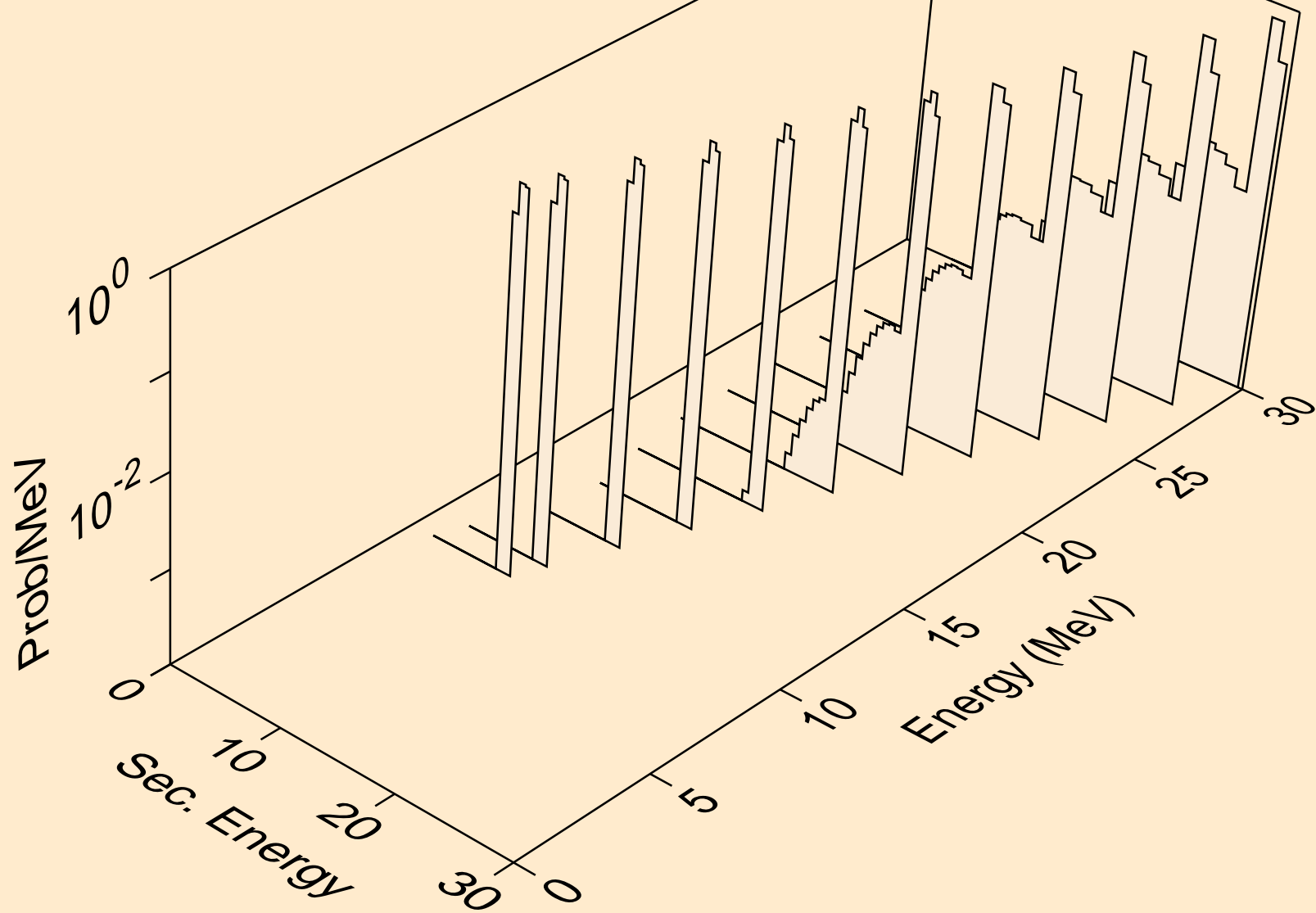


EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

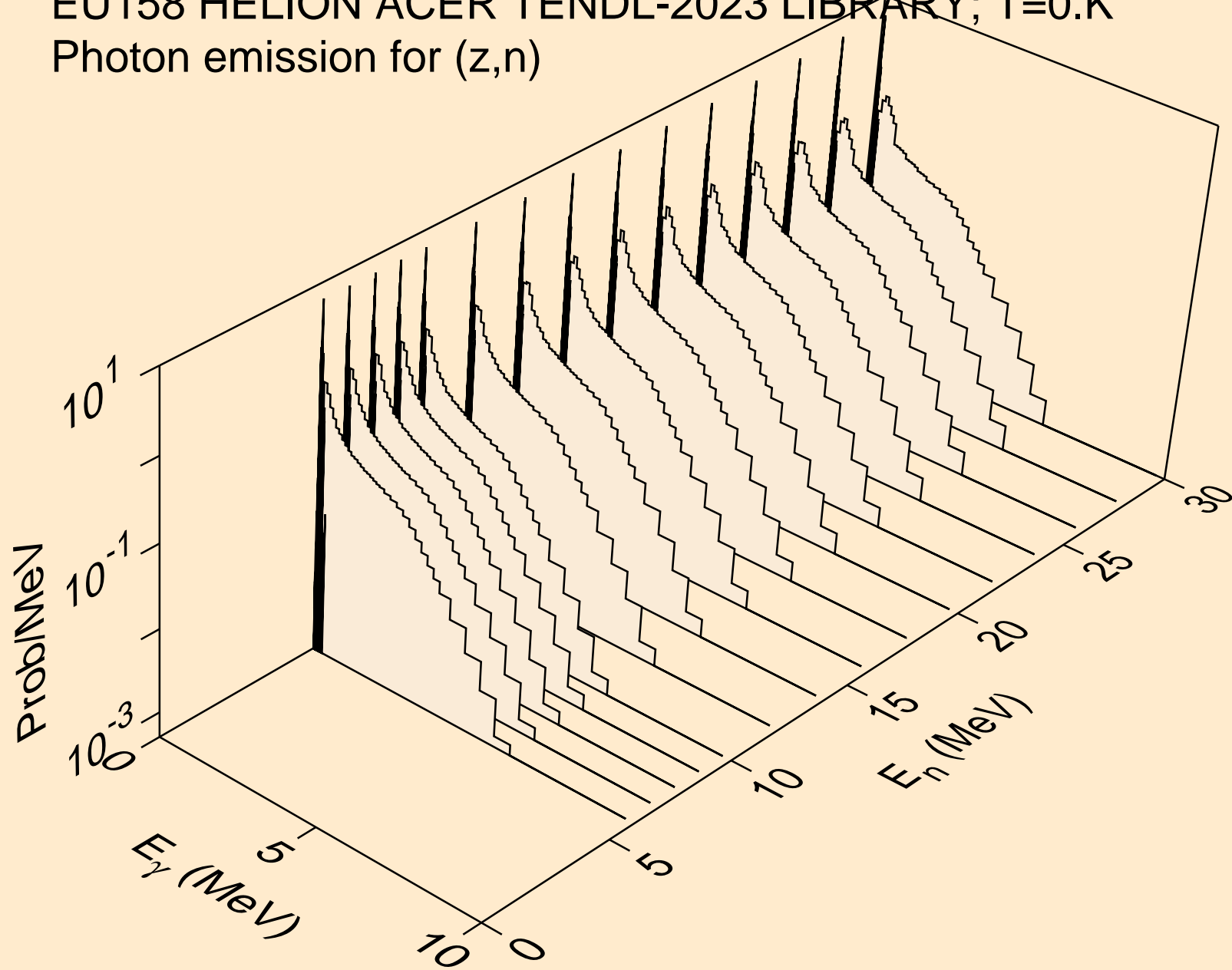




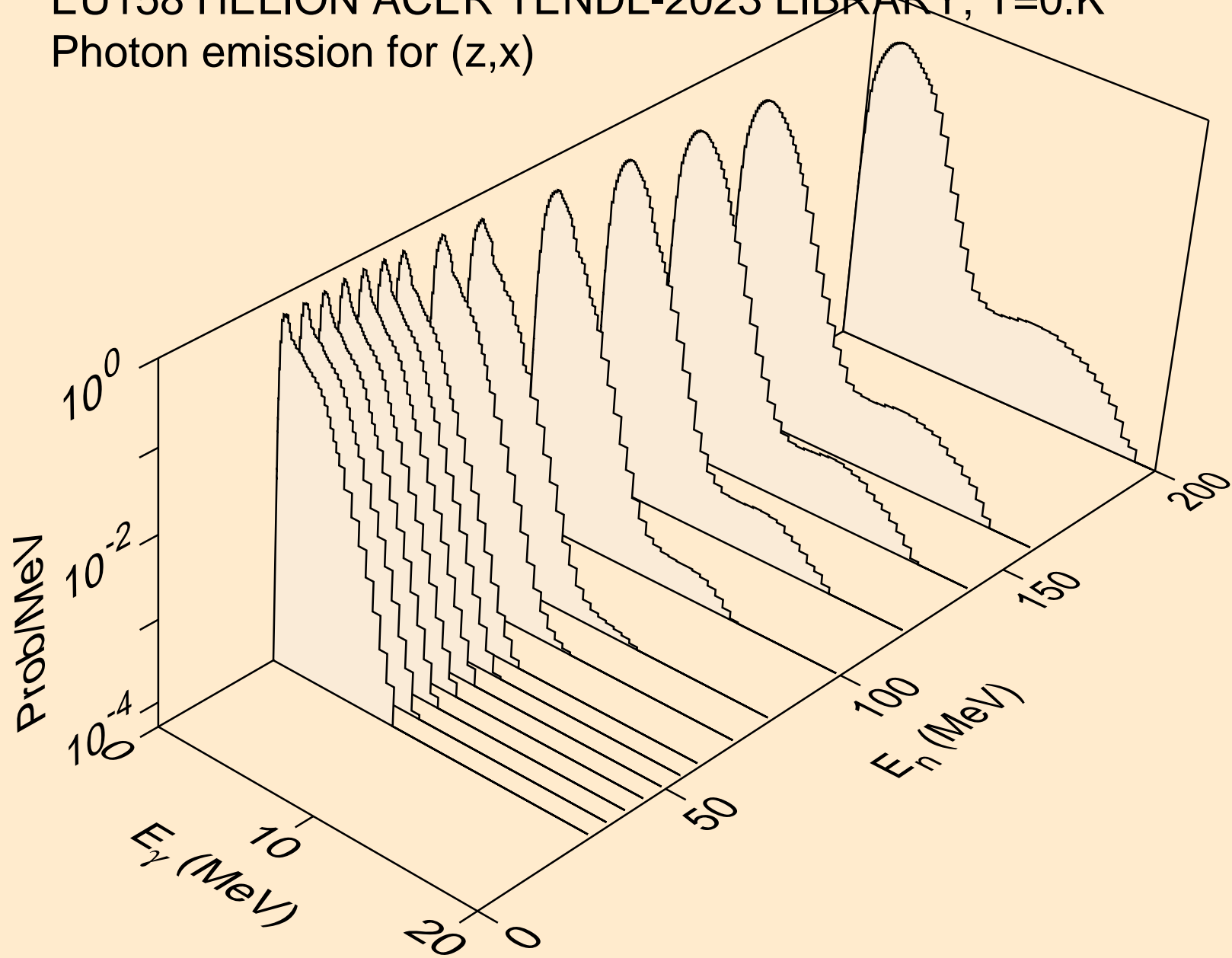
EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic



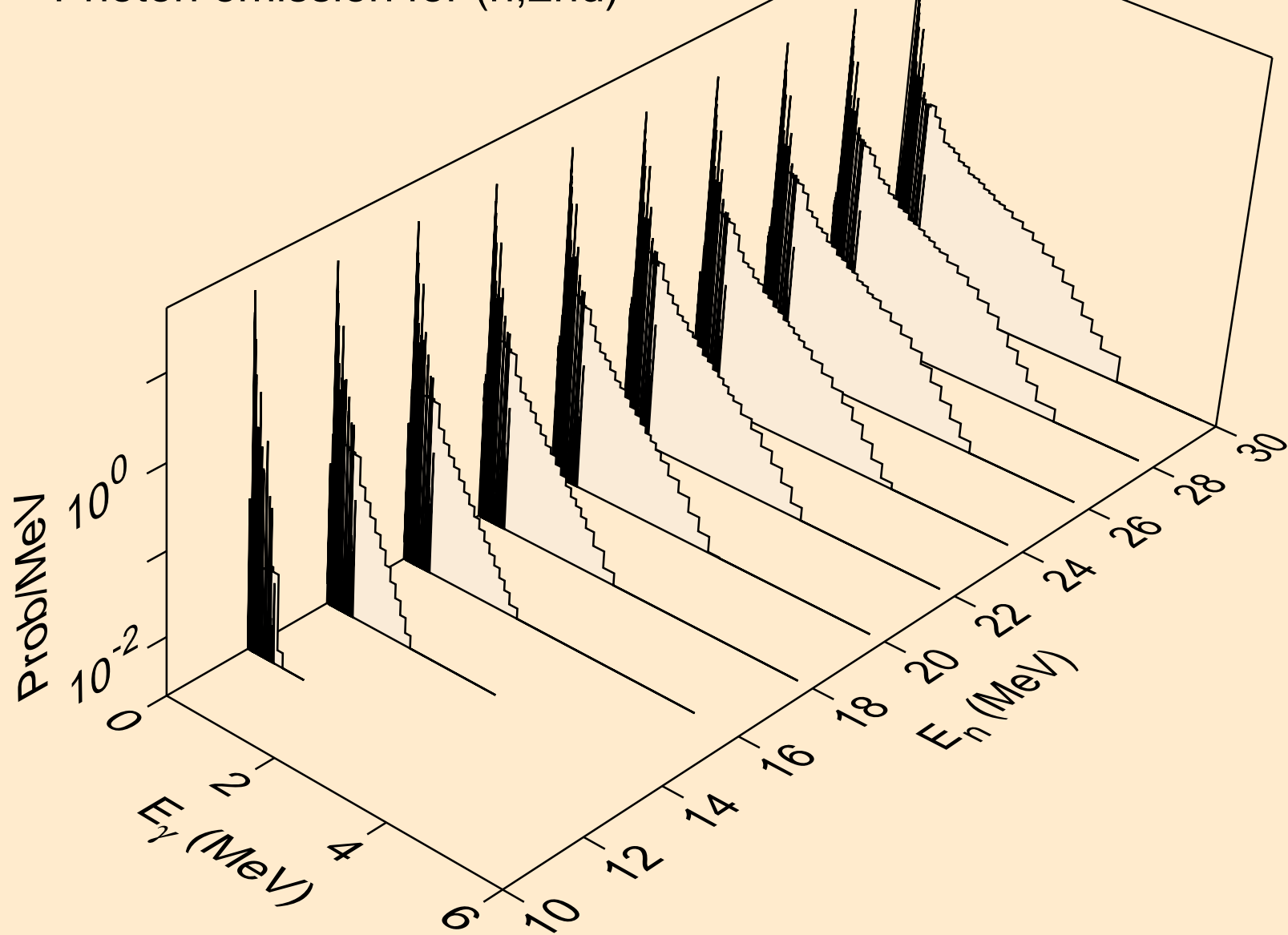
EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



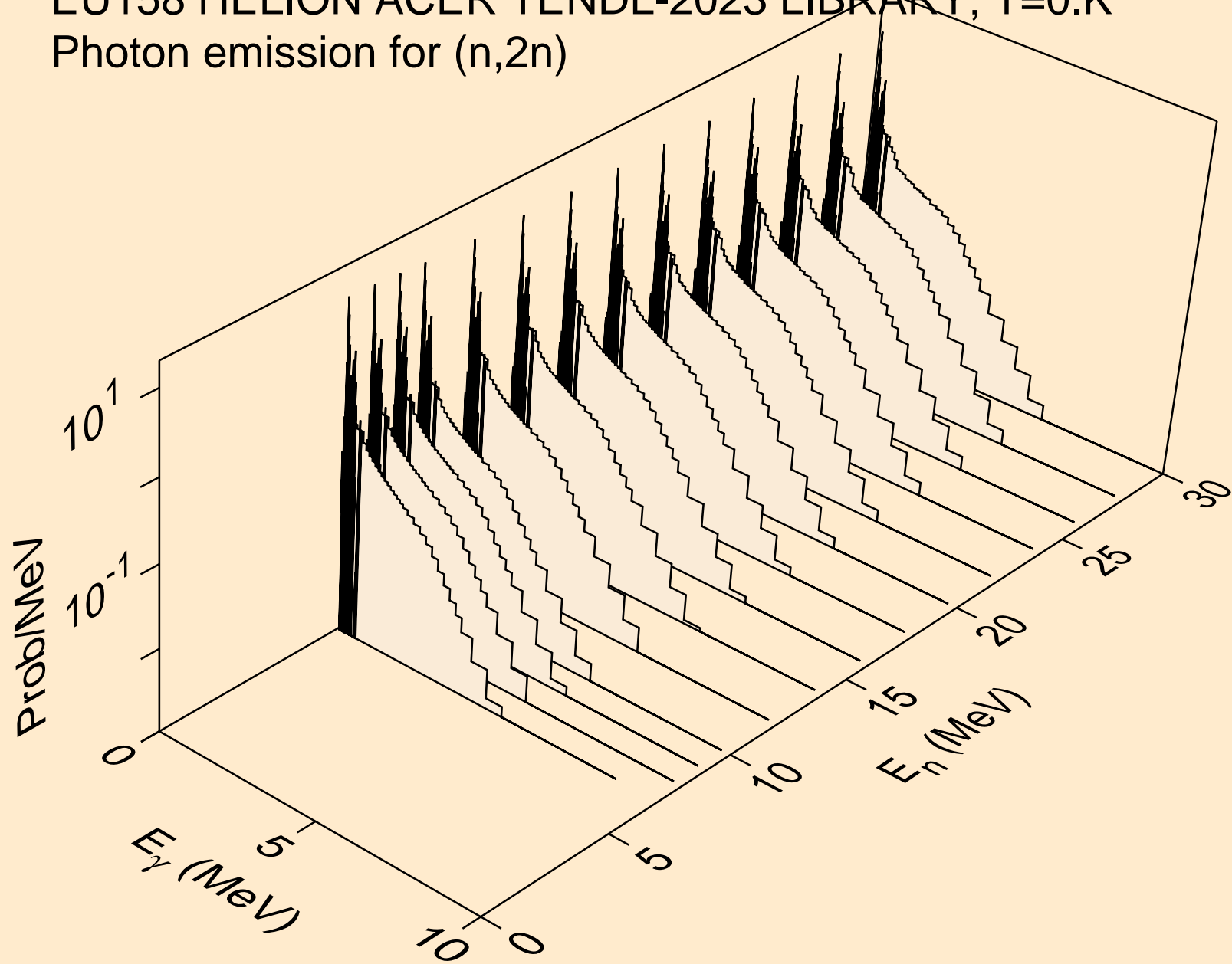
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Photon emission for (z,x)



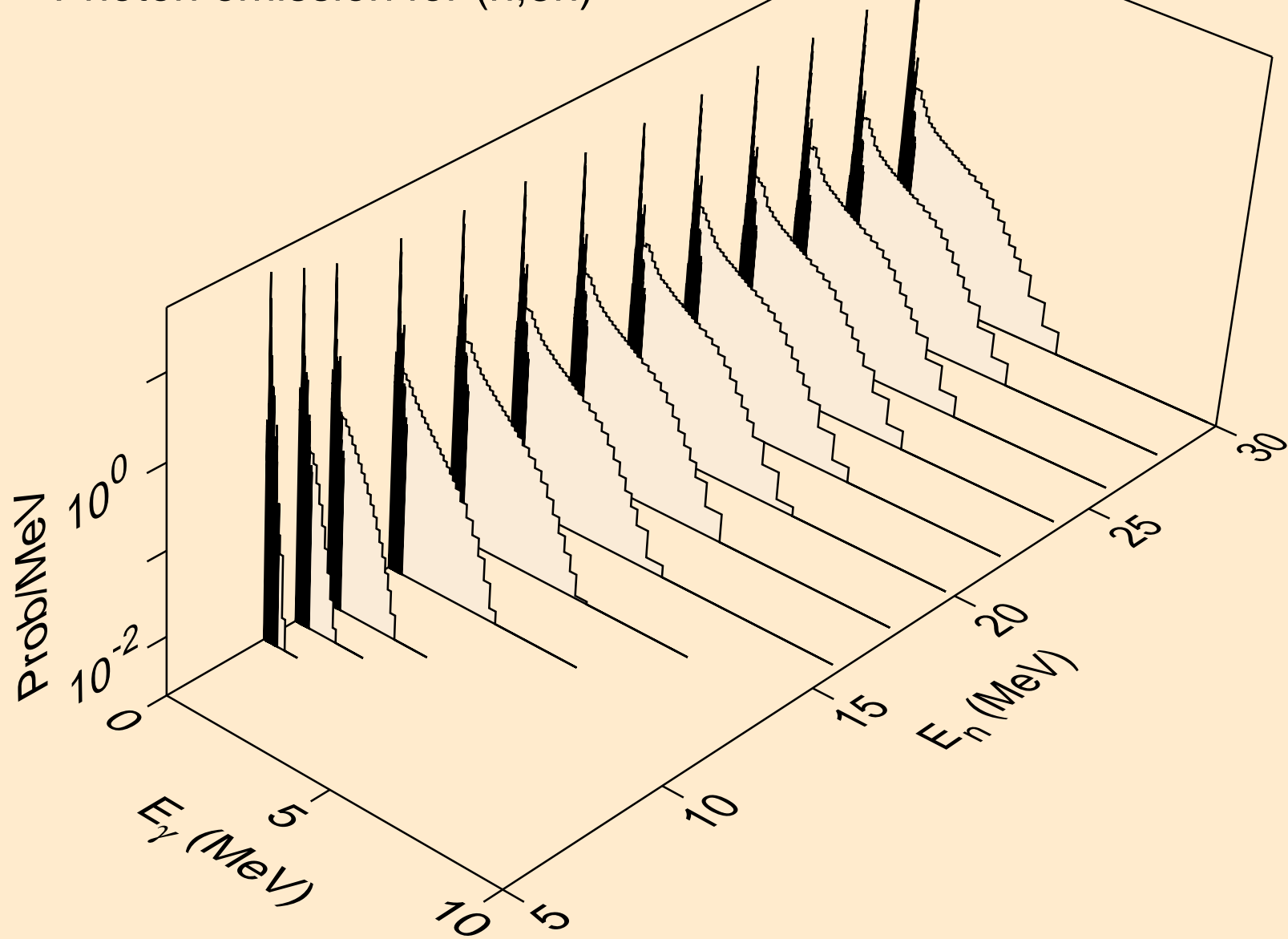
EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



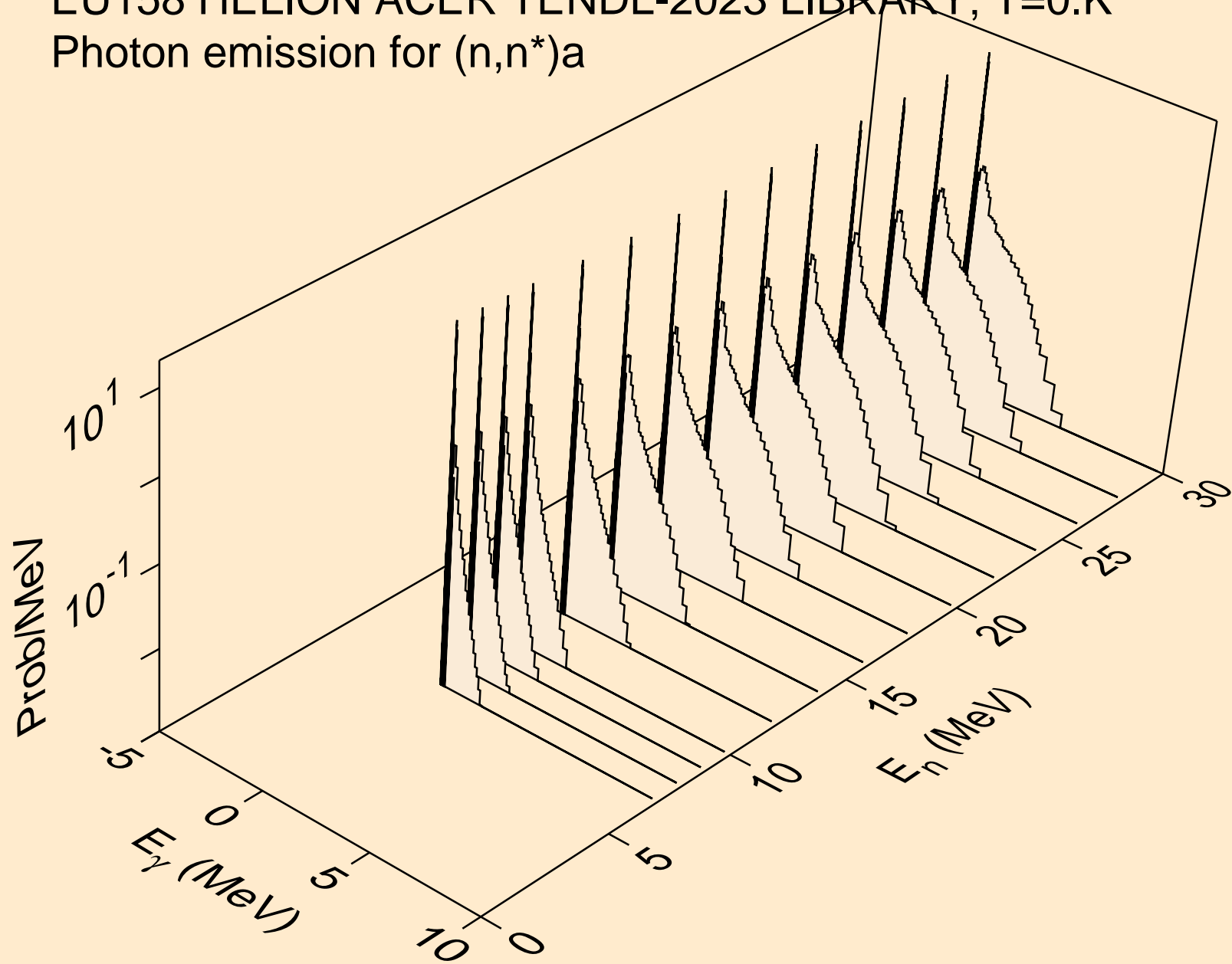
EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



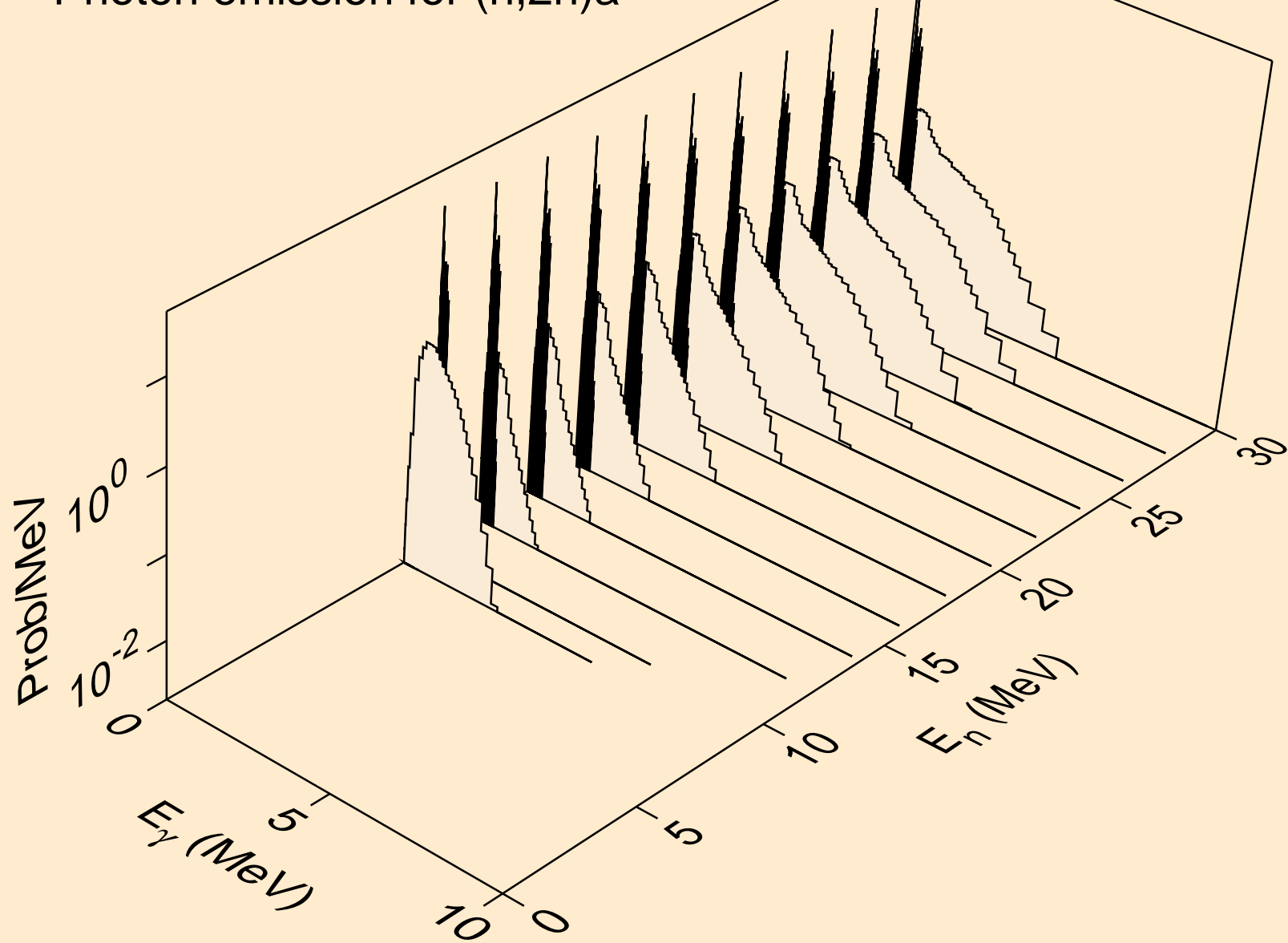
EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

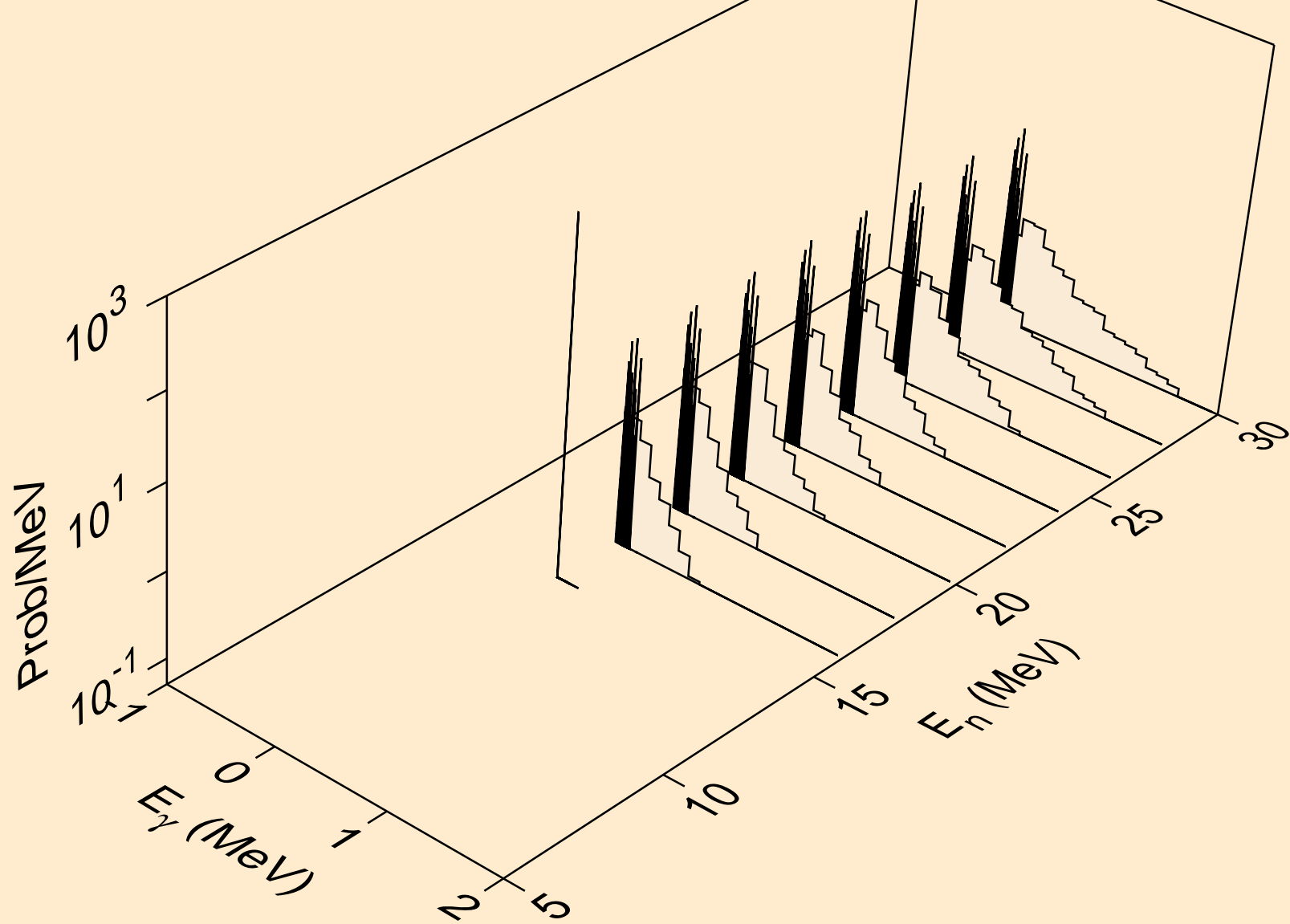


EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

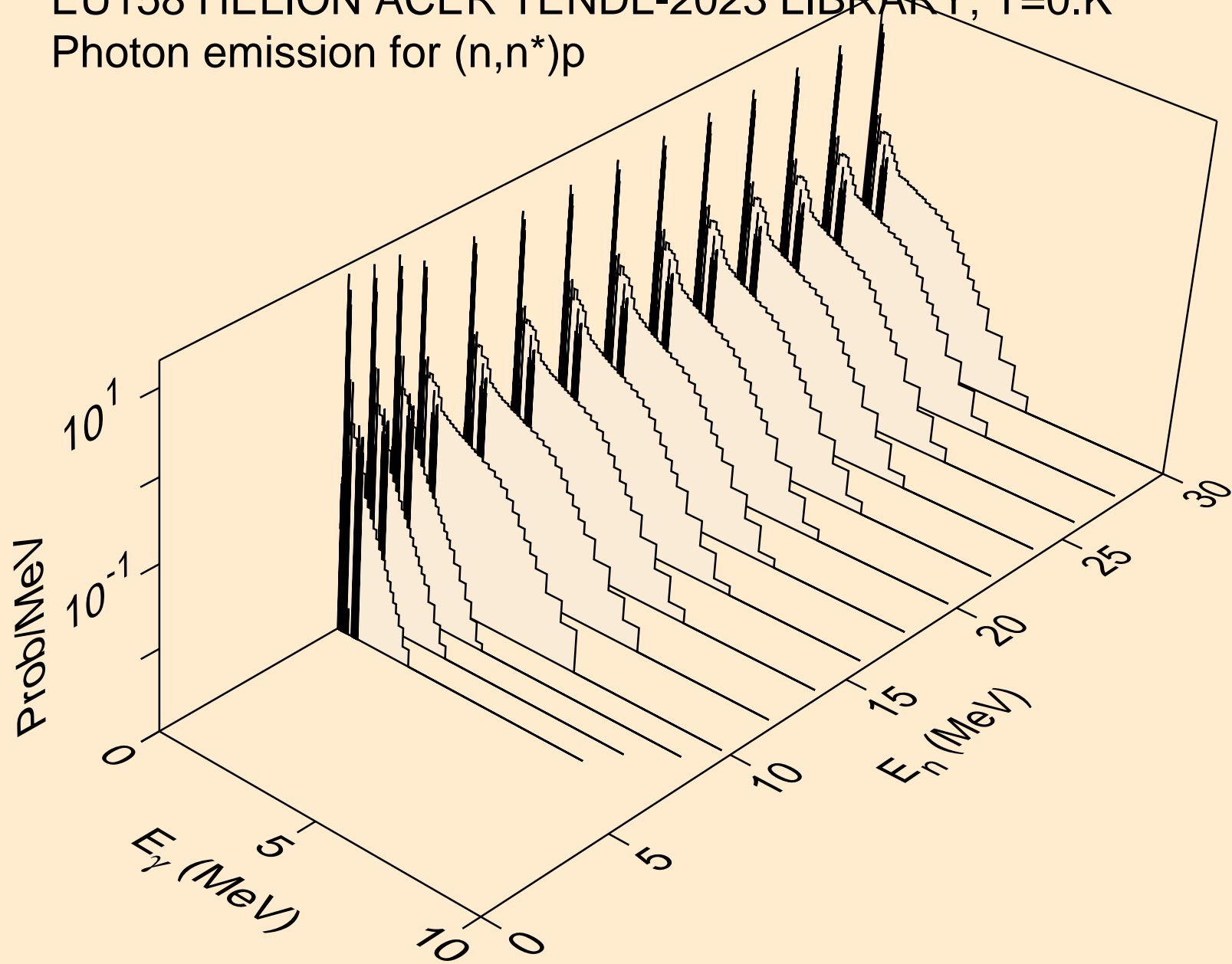




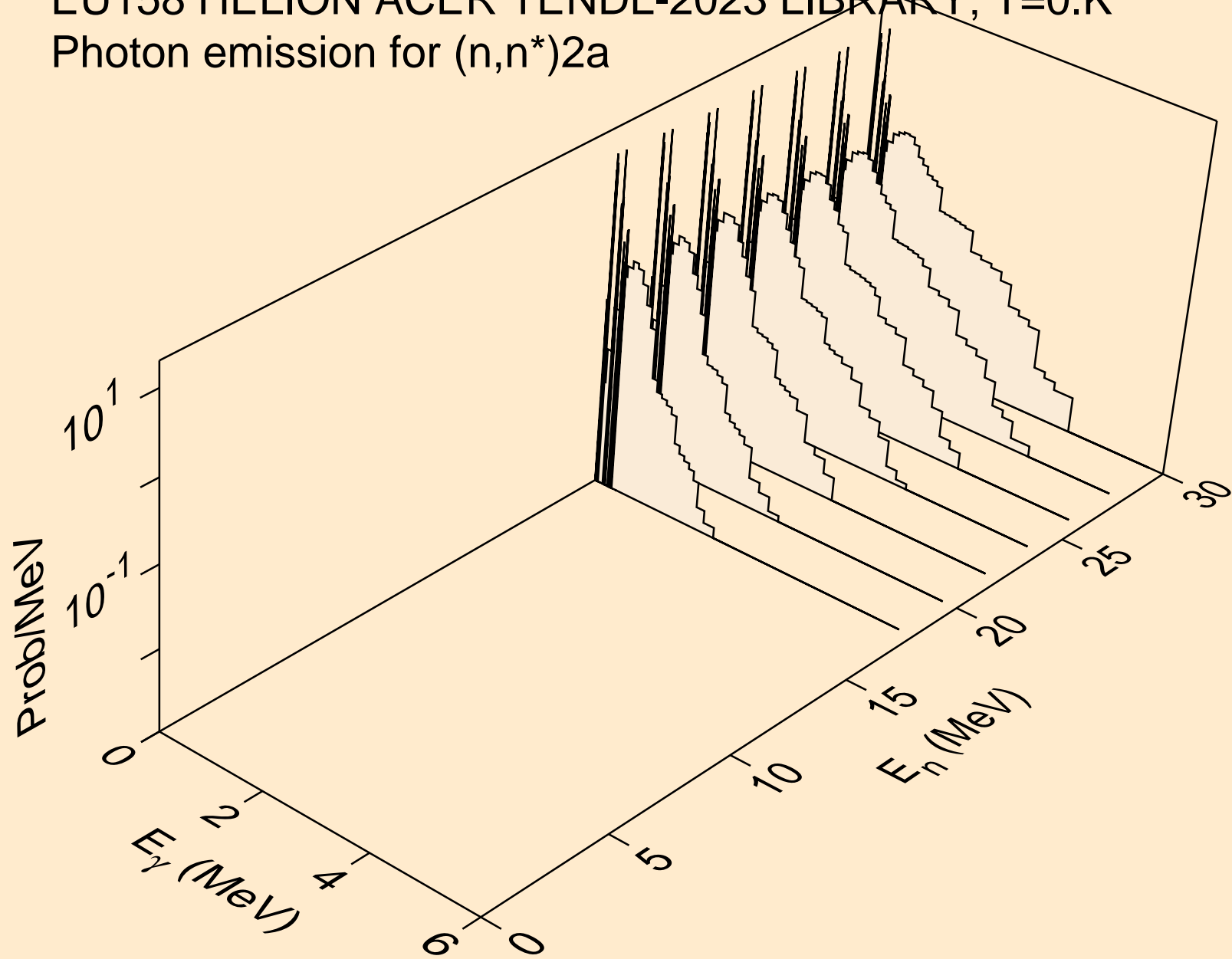
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Photon emission for (n,3n)a



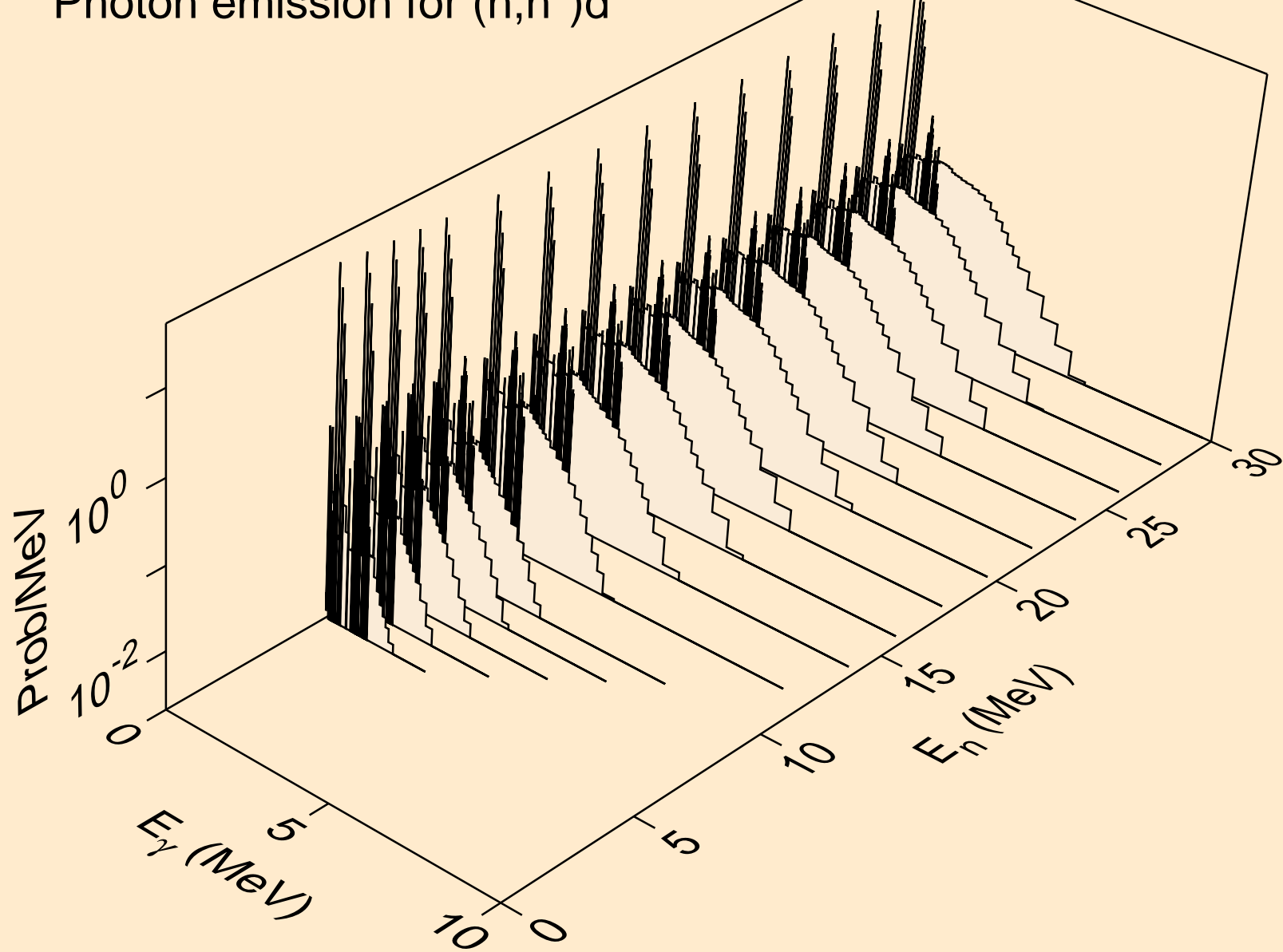
EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



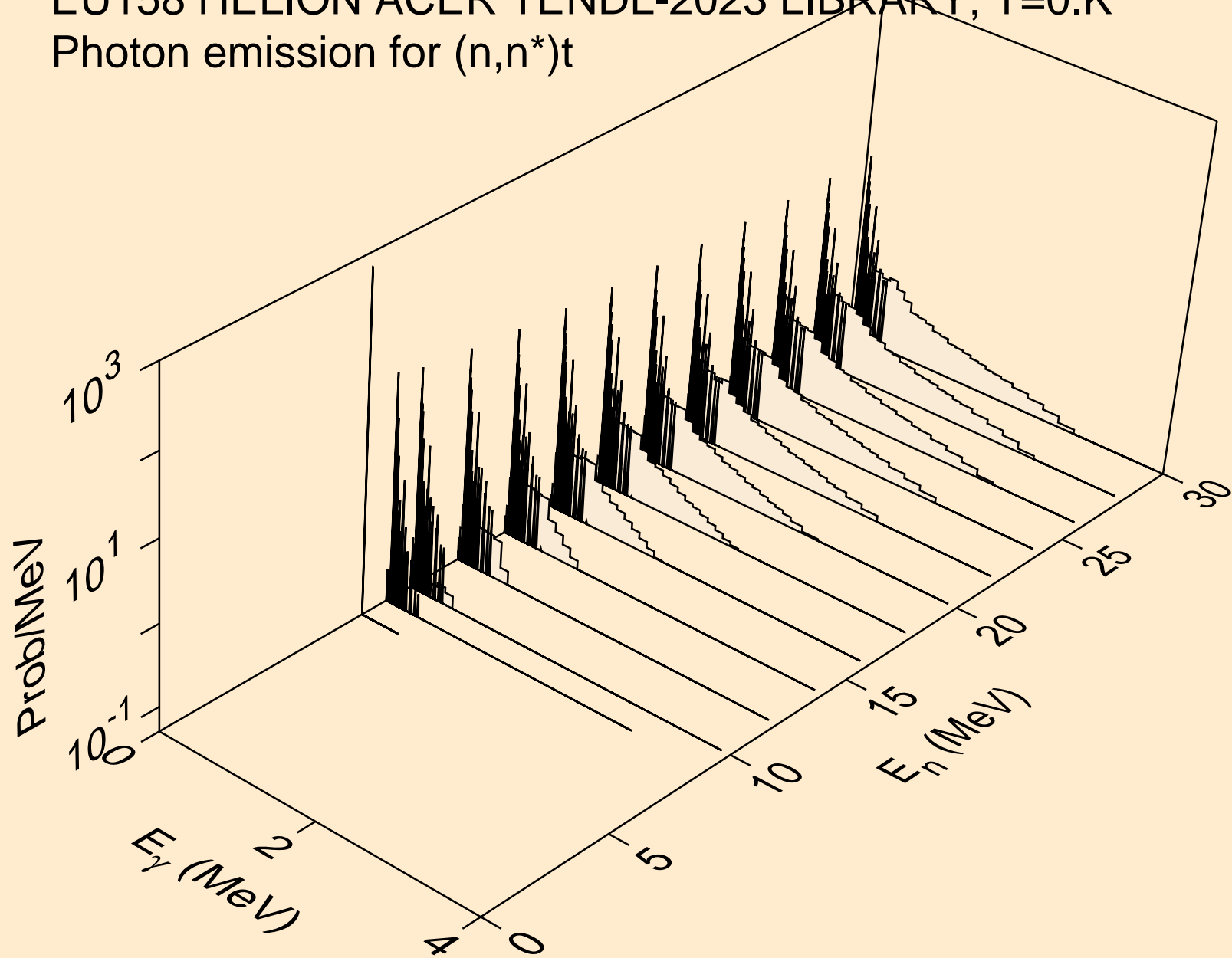
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Photon emission for (n,n\*)2a



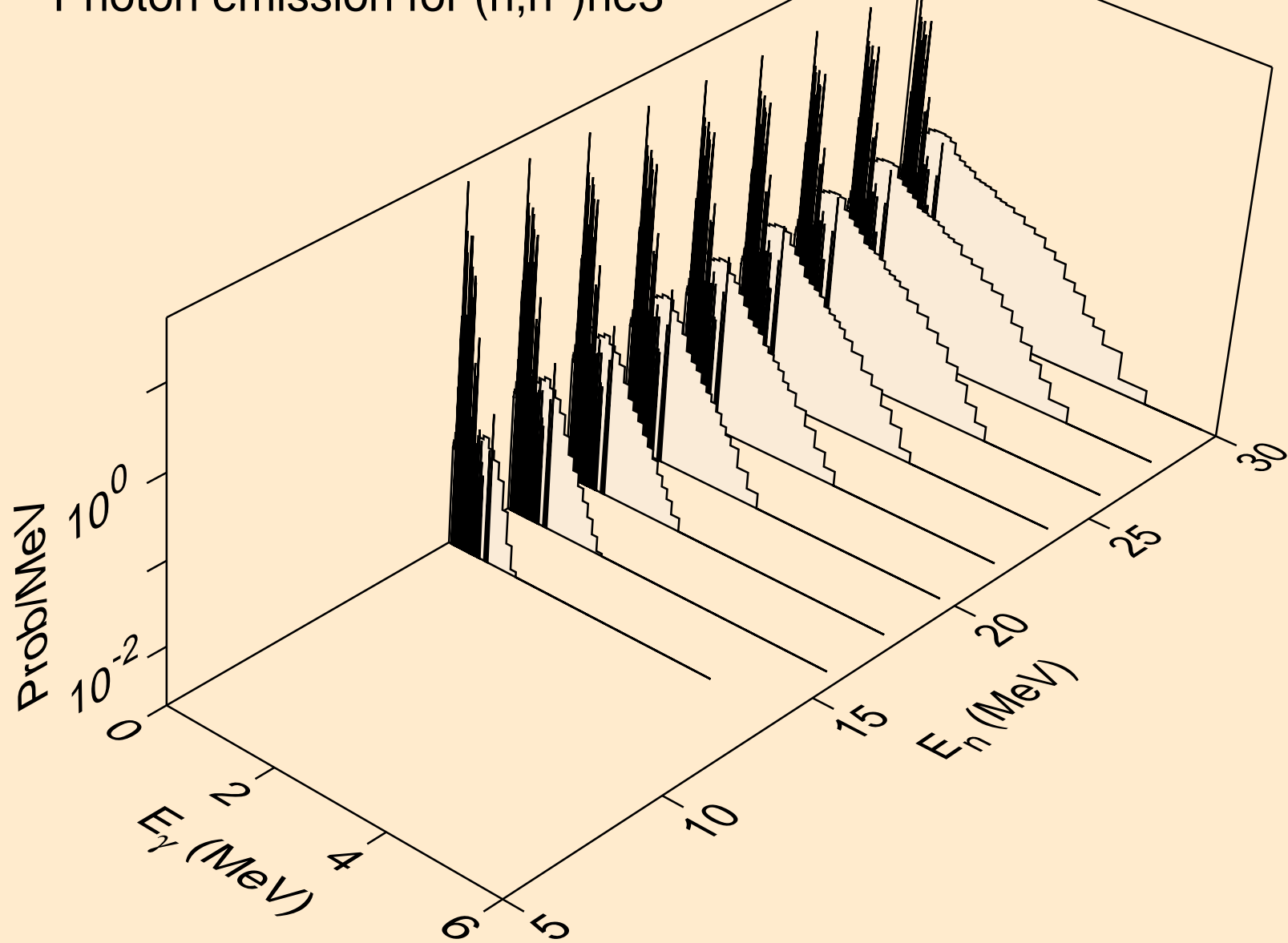
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Photon emission for (n,n\*)d



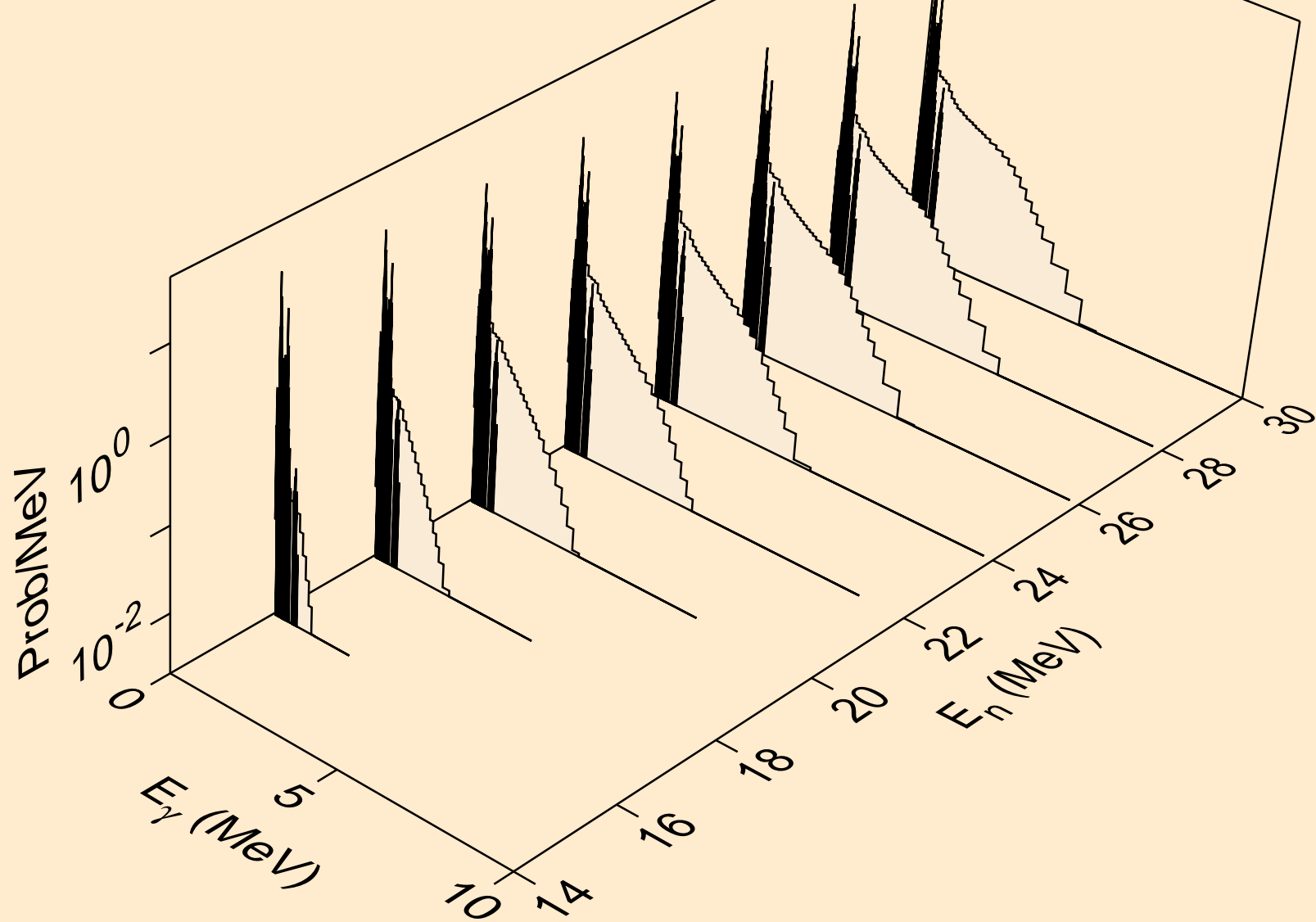
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Photon emission for (n,n\*)t



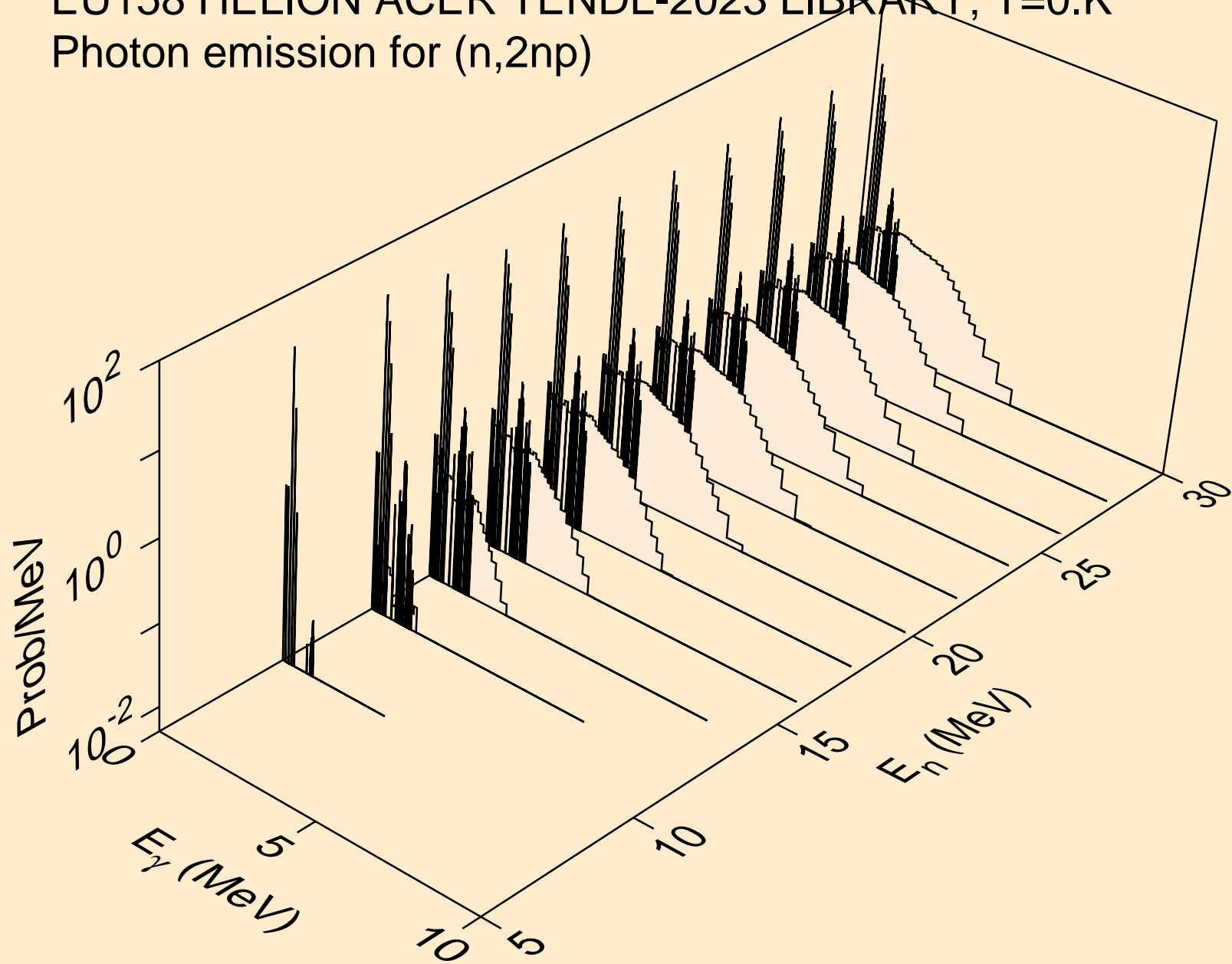
EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)

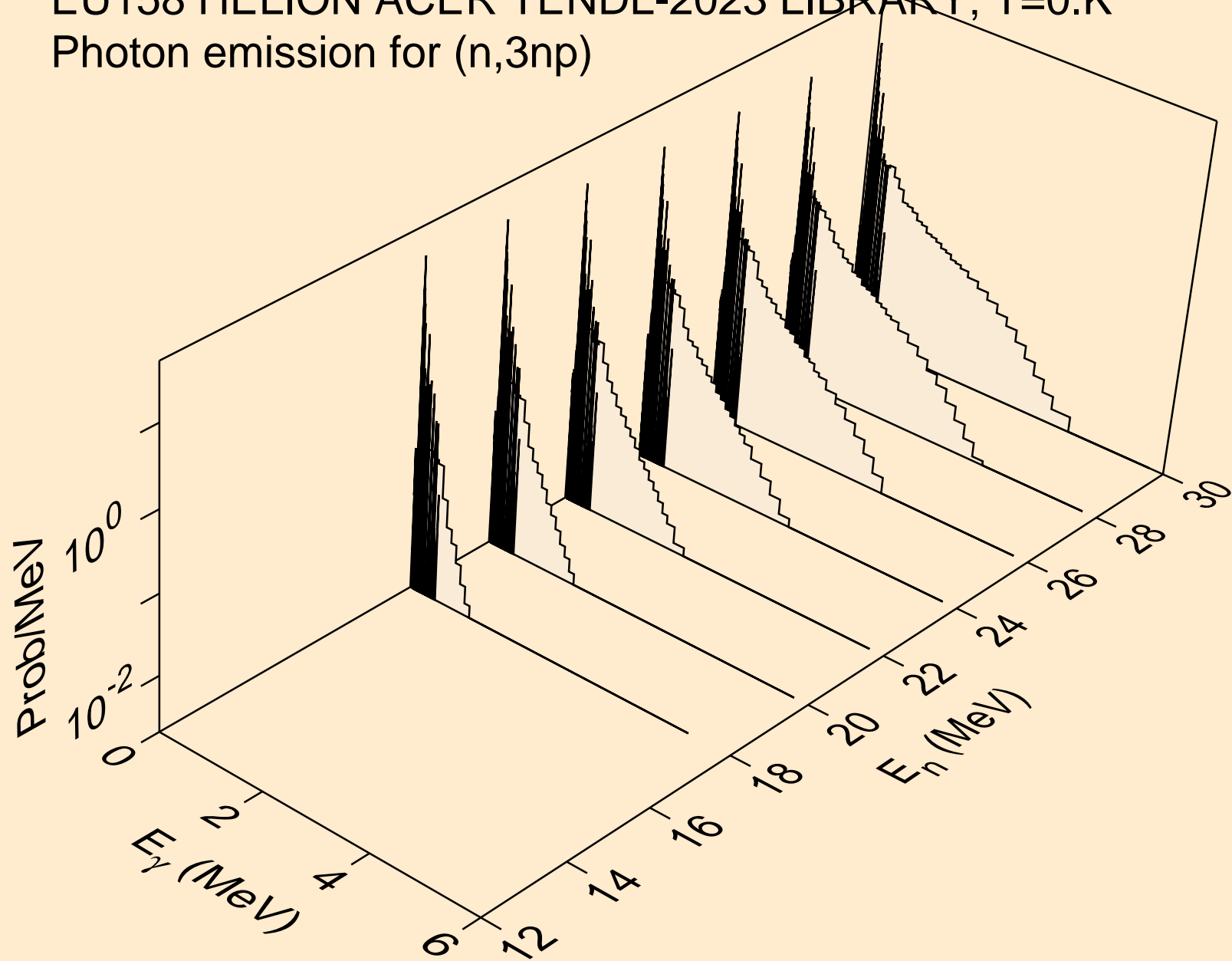


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Photon emission for (n,2np)

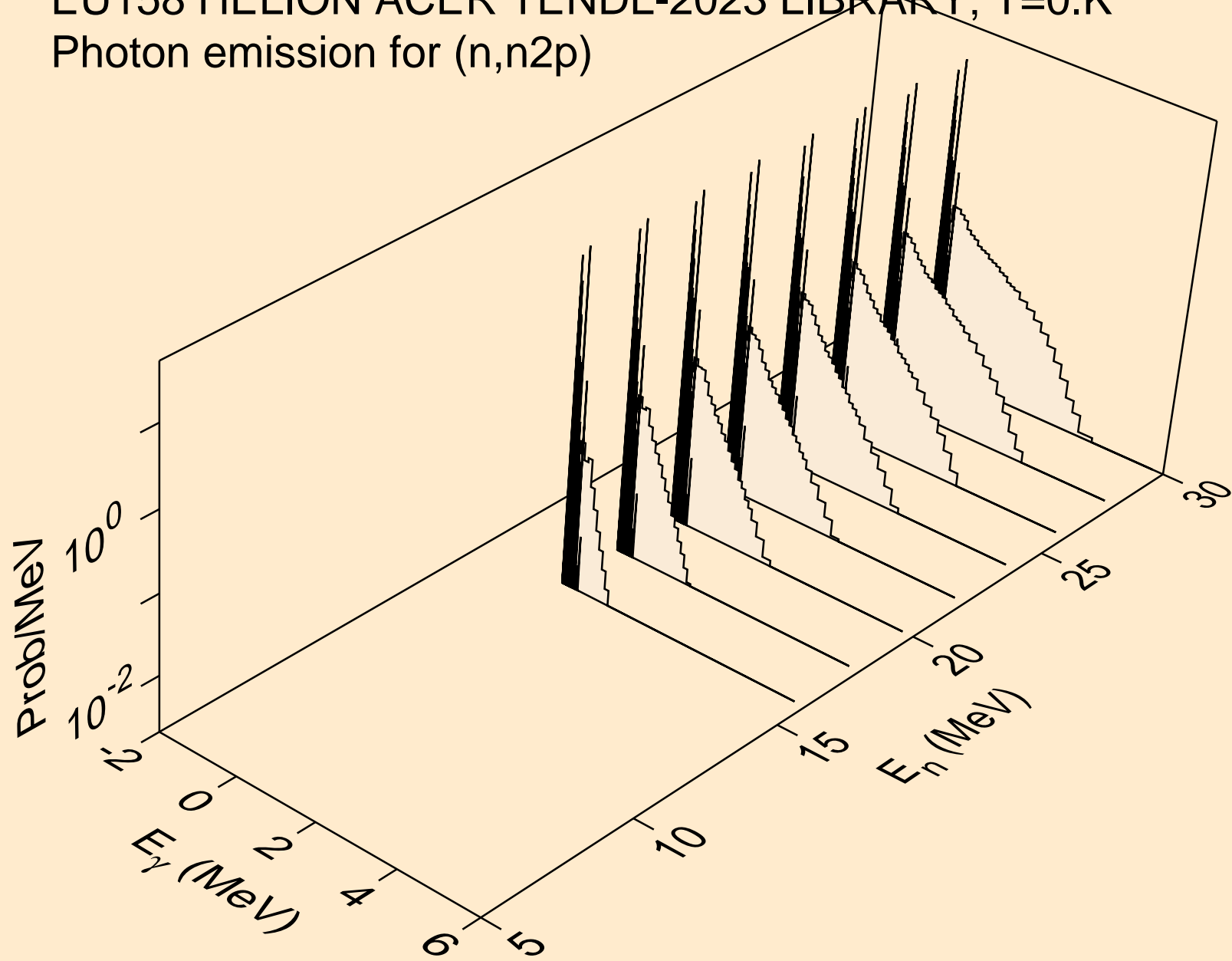




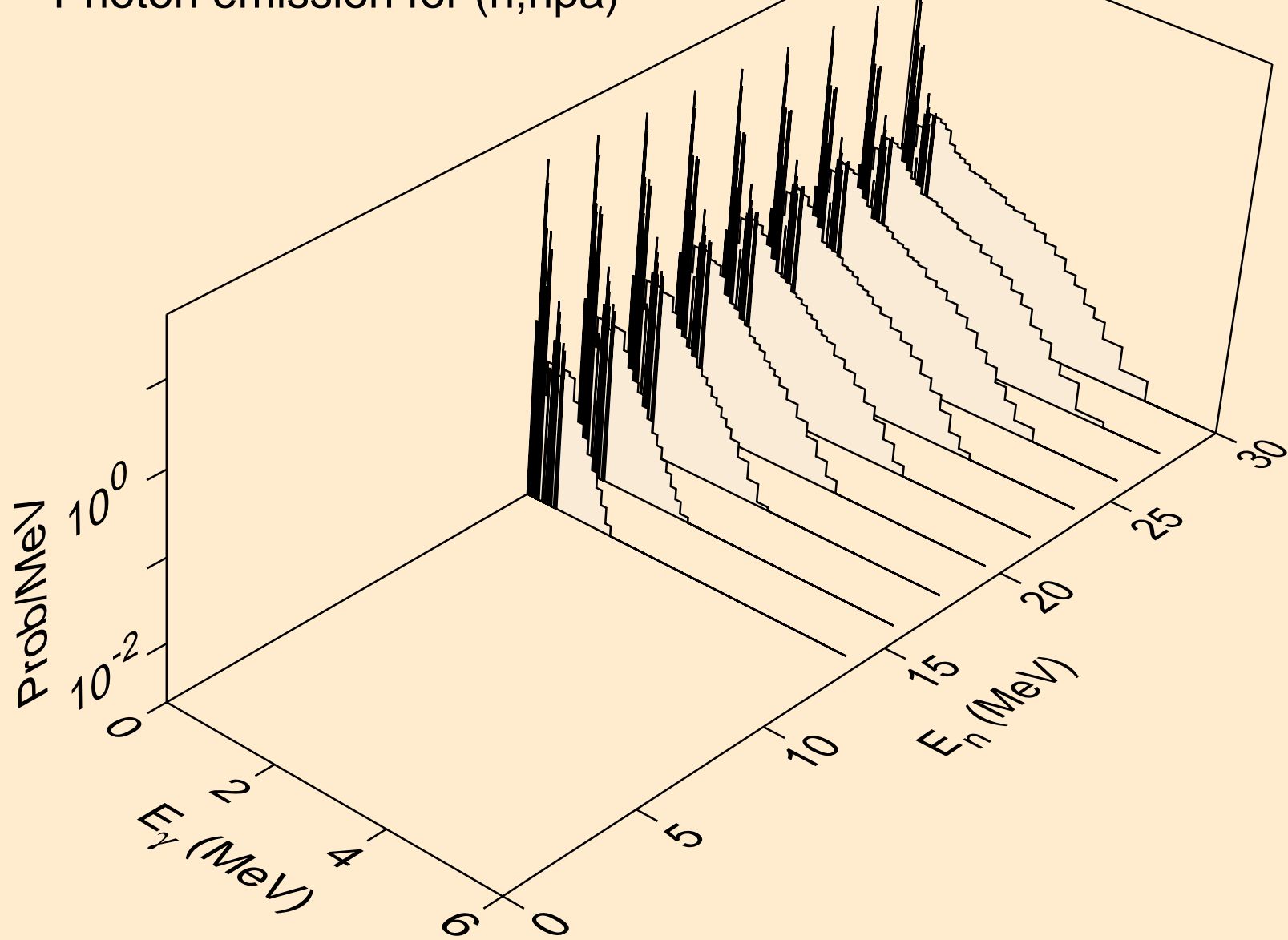
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Photon emission for (n,3np)



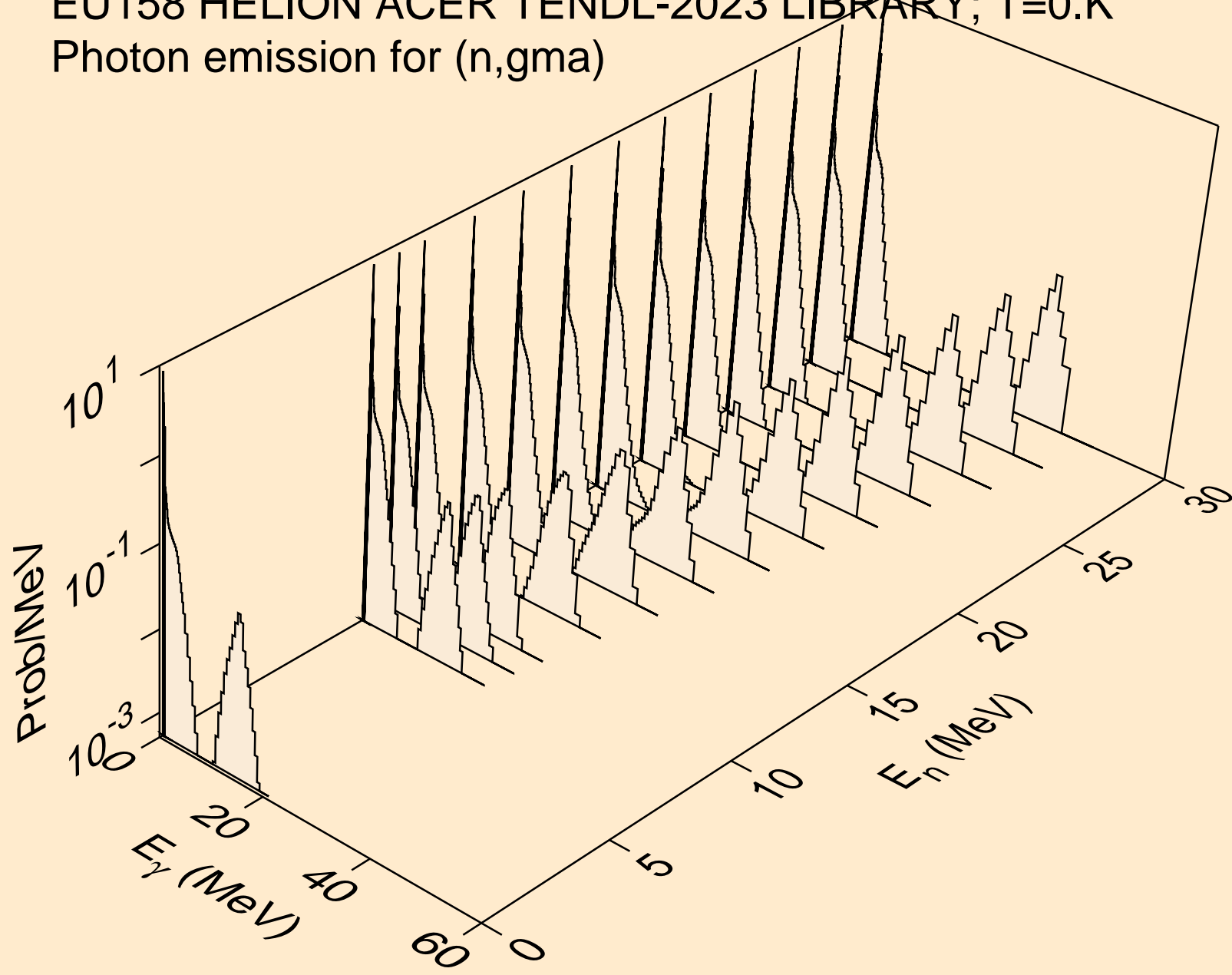
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Photon emission for (n,n2p)



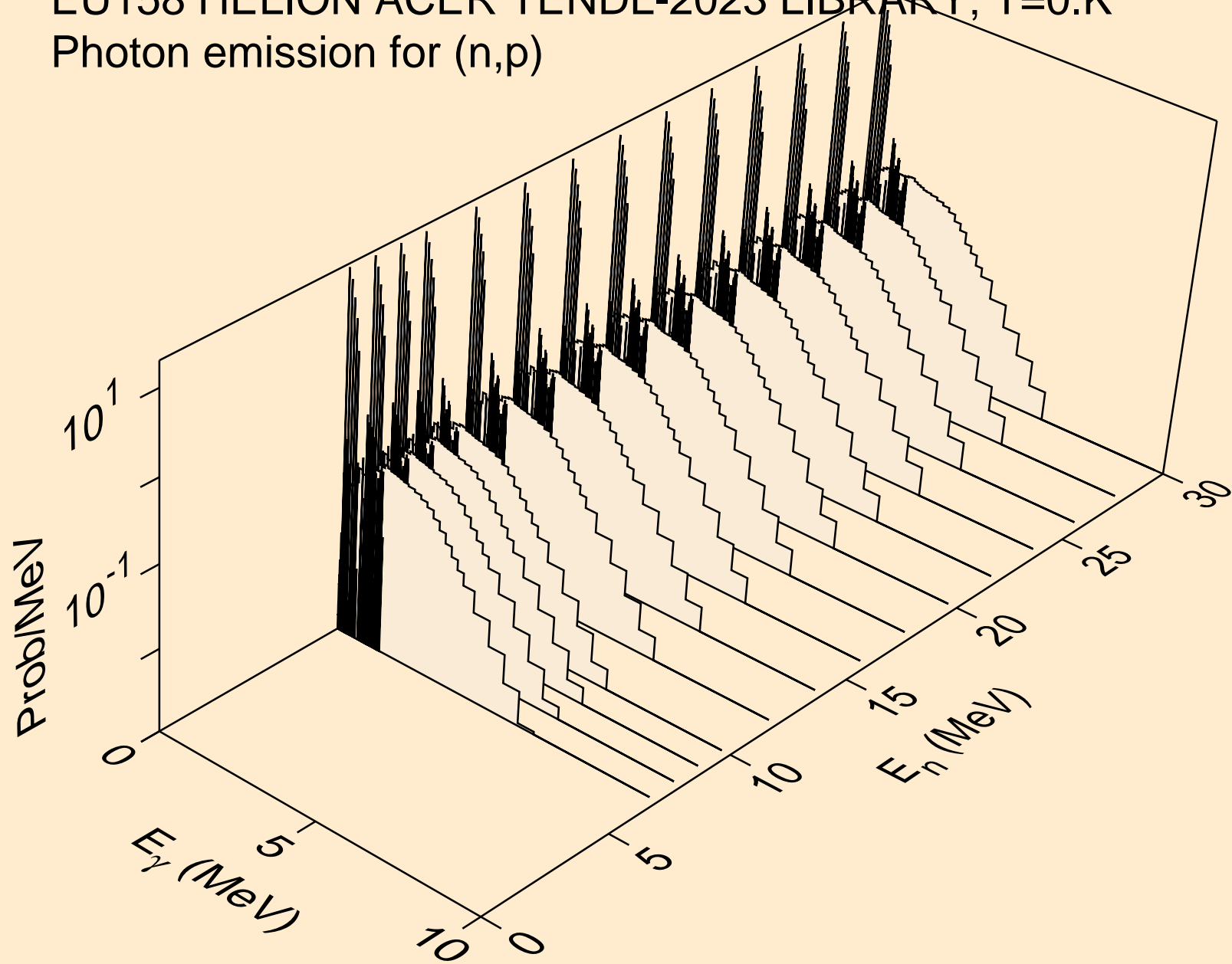
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Photon emission for (n,npa)



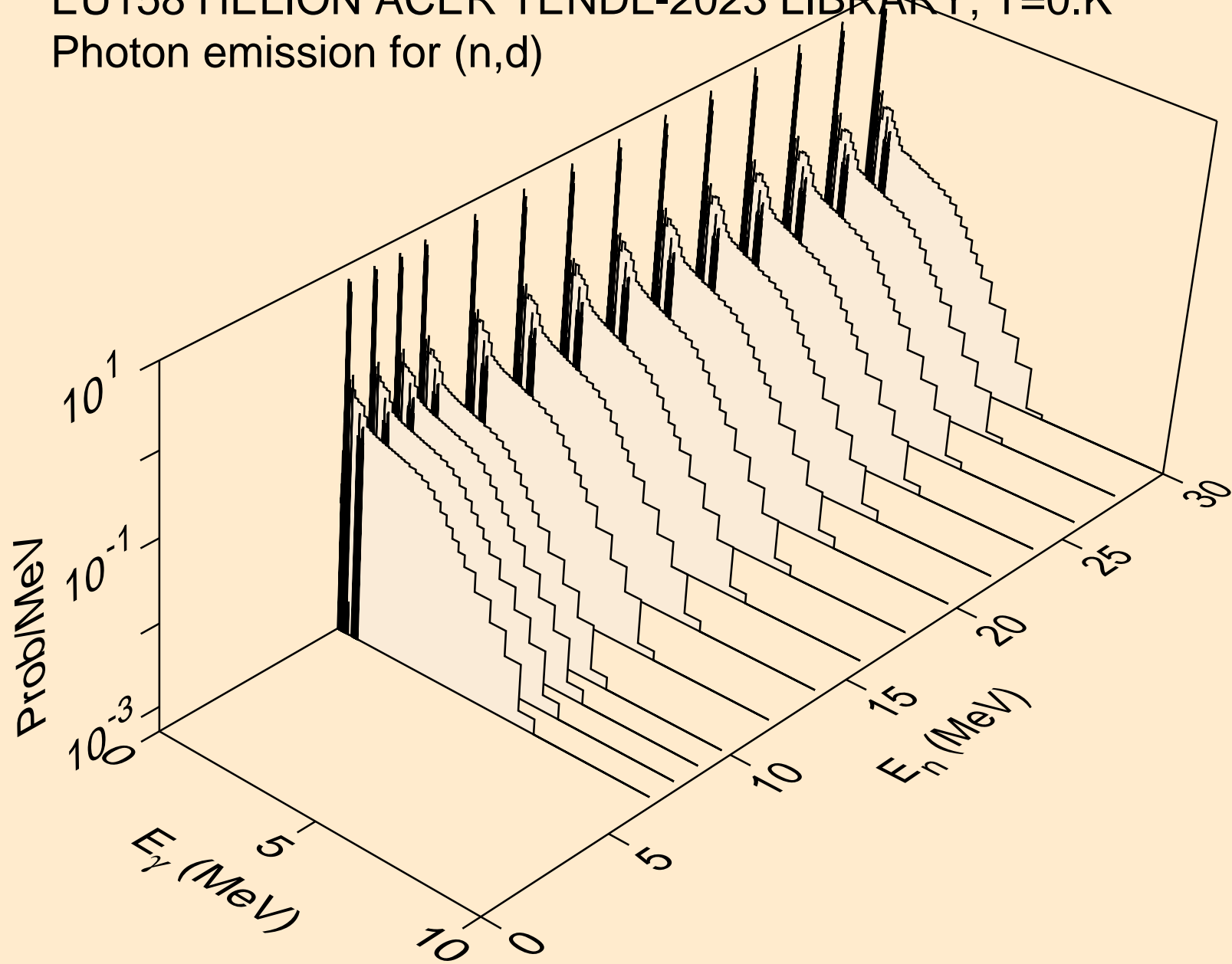
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Photon emission for (n,gma)



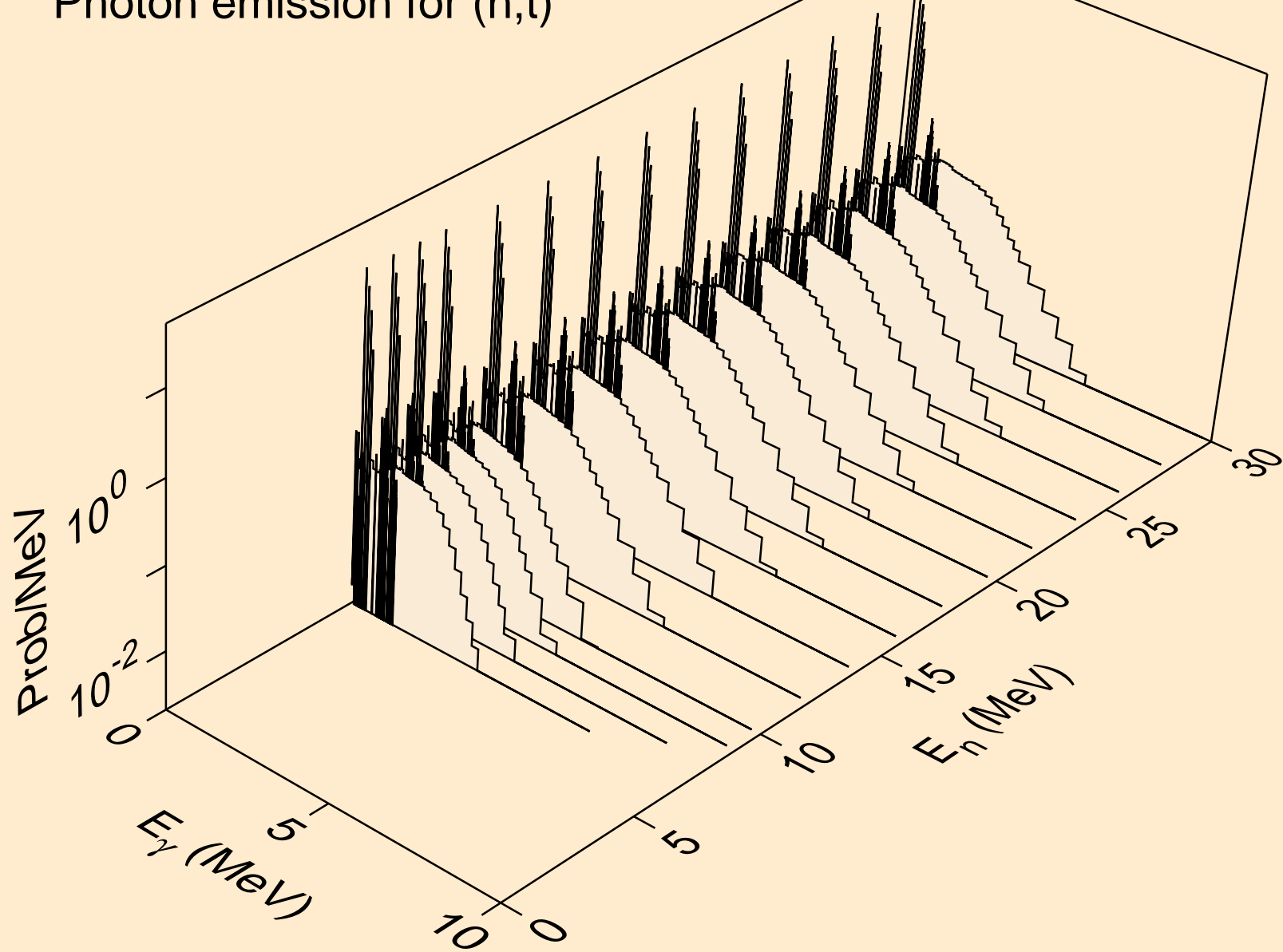
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Photon emission for (n,p)



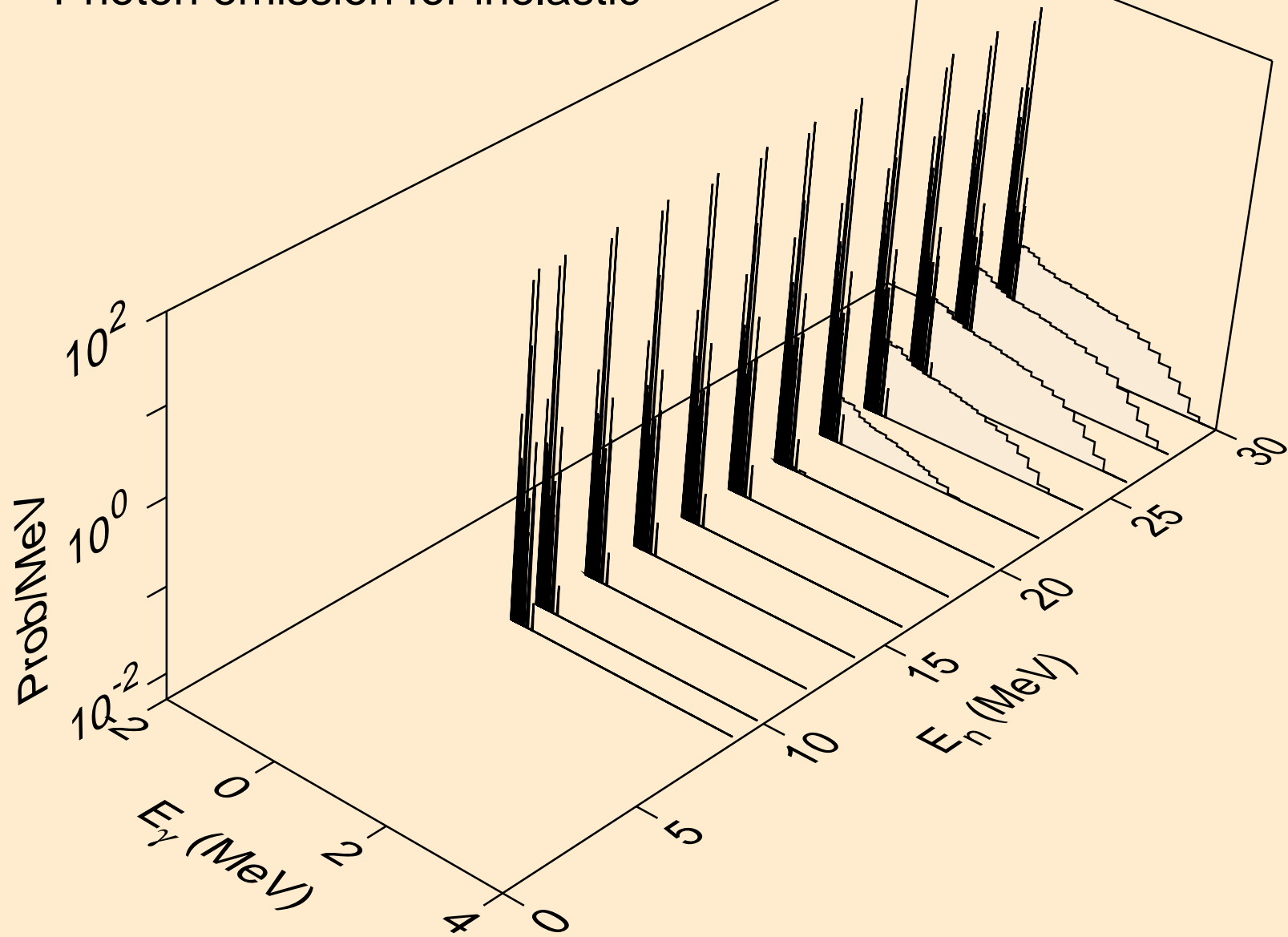
EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

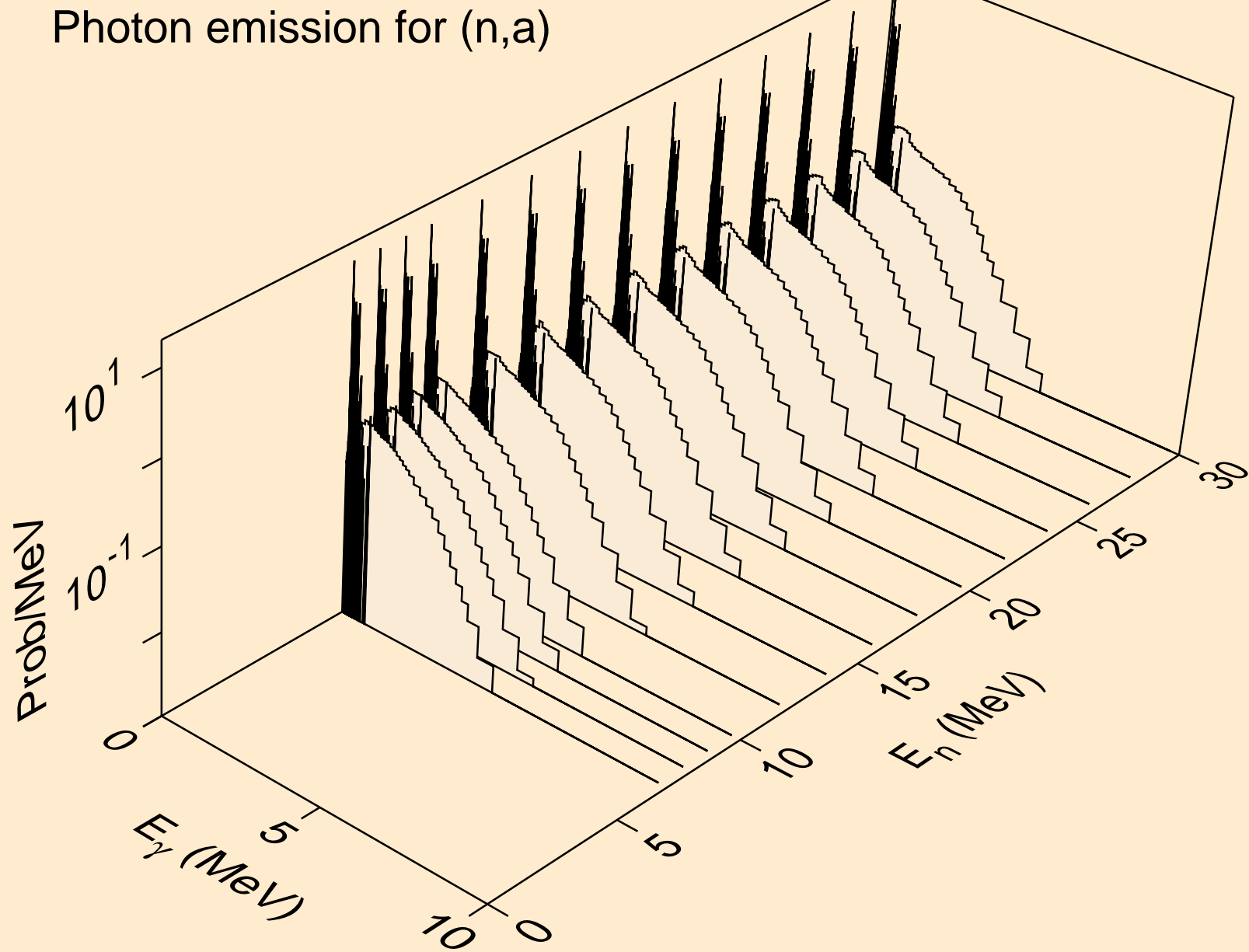


EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic

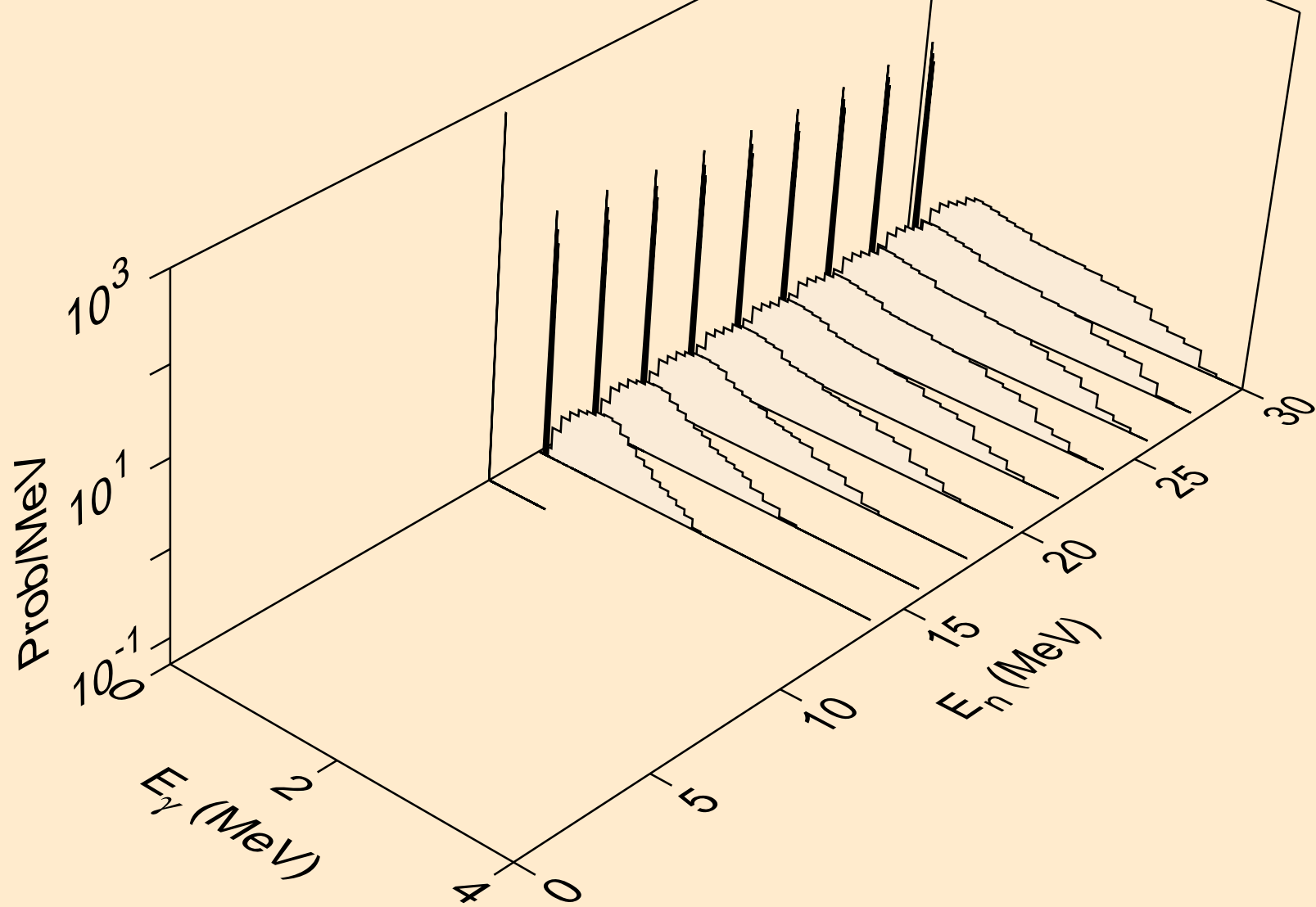




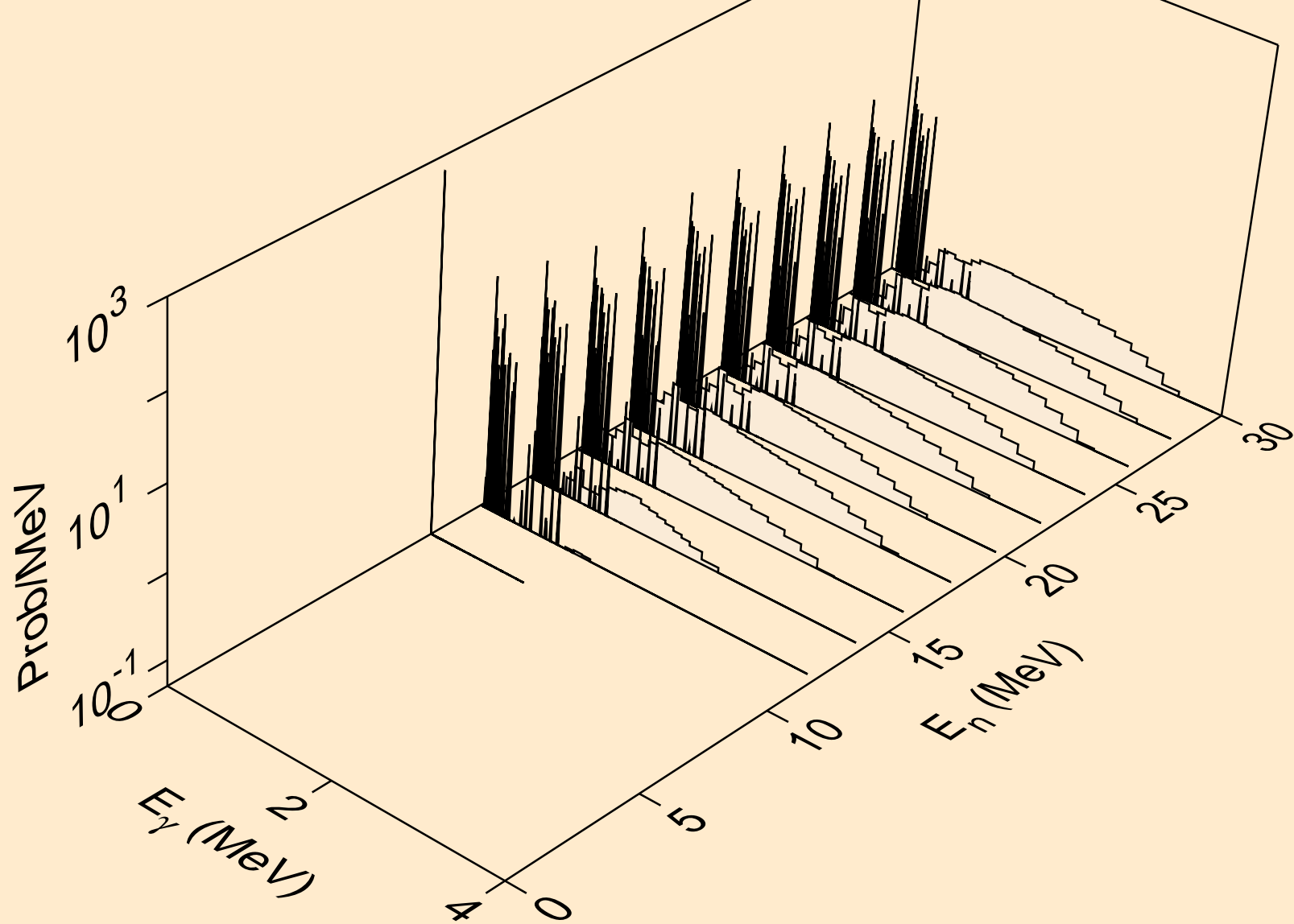
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Photon emission for (n,a)



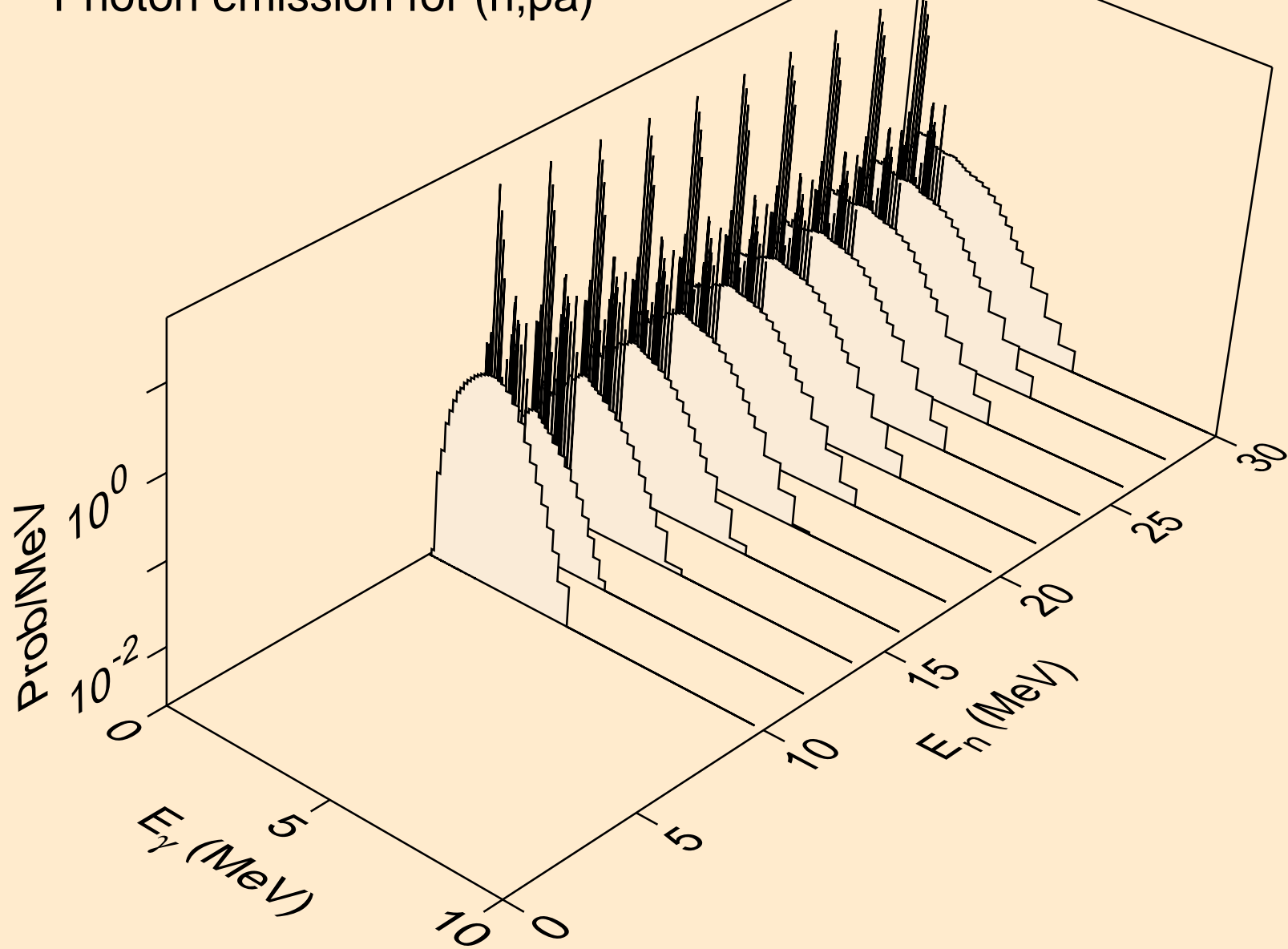
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Photon emission for (n,2a)



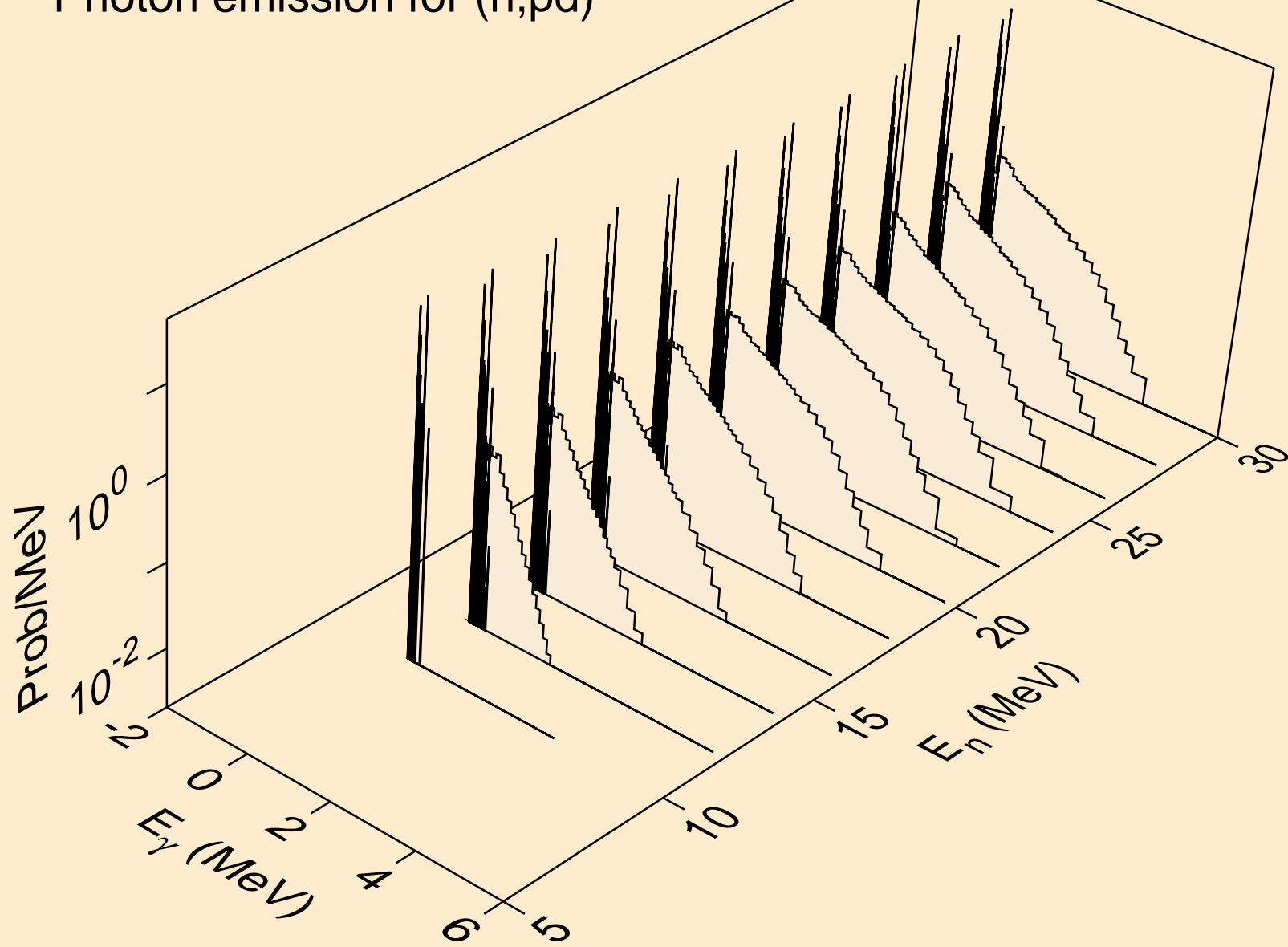
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Photon emission for (n,2p)



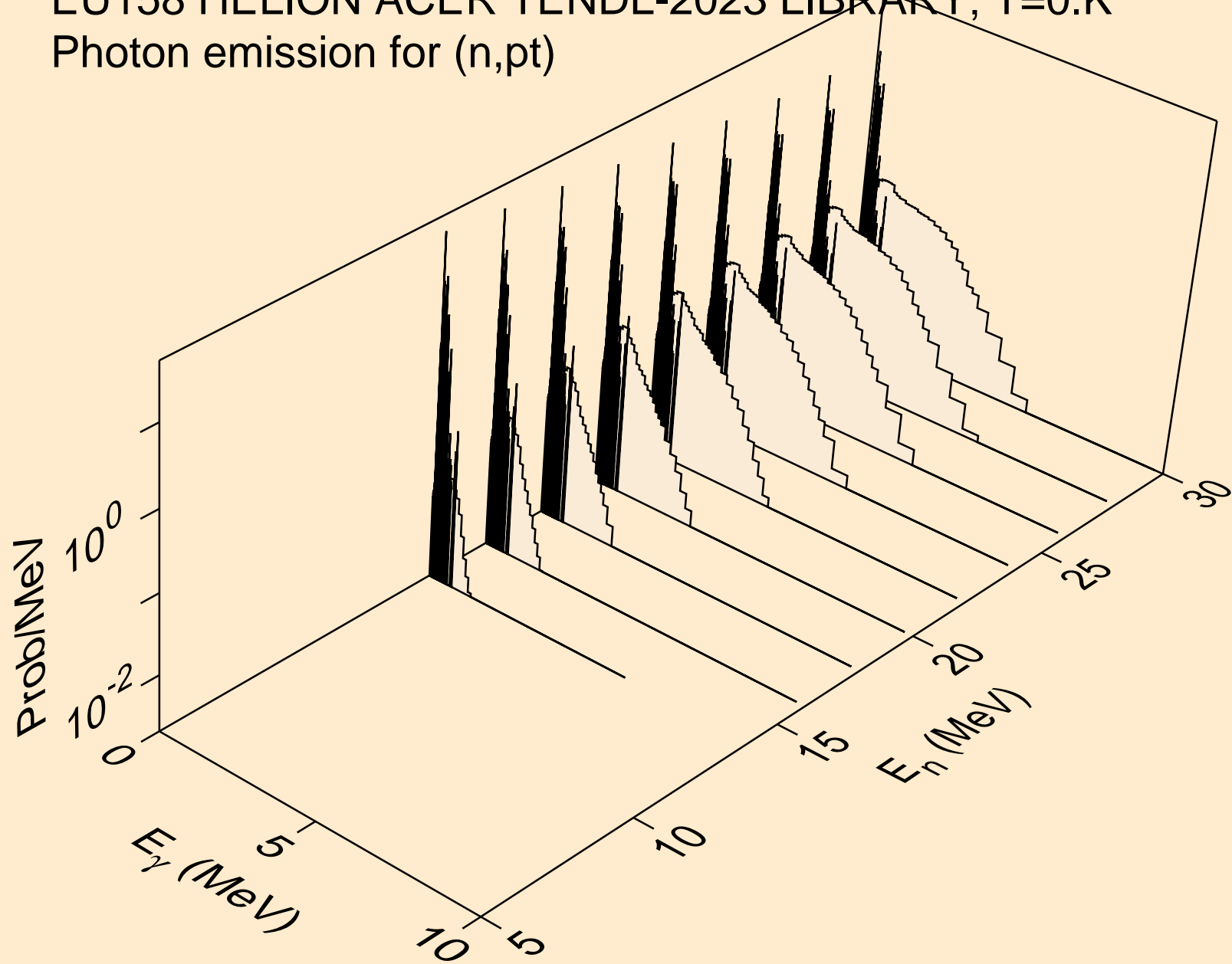
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Photon emission for (n,pa)



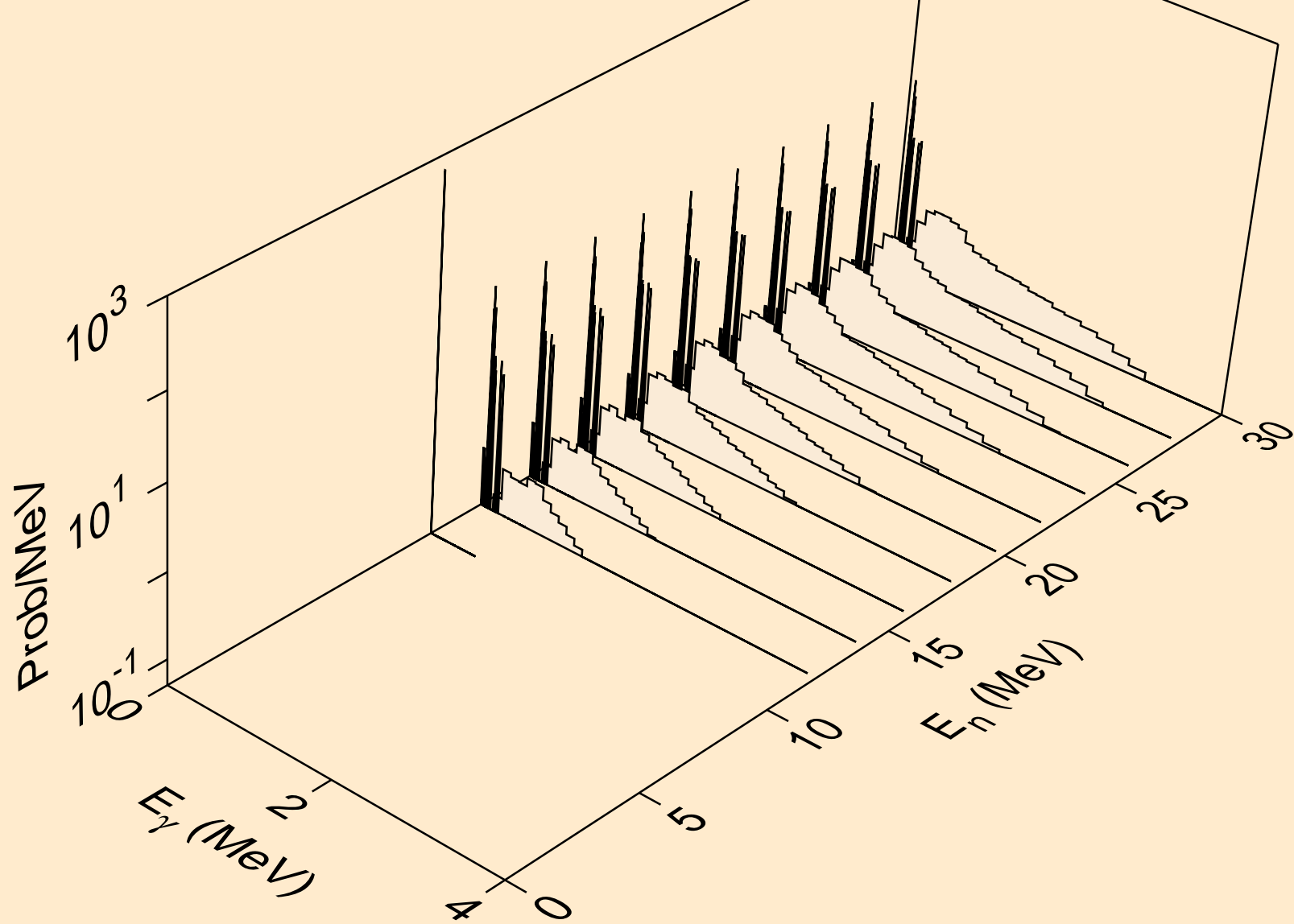
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Photon emission for (n,pd)



EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

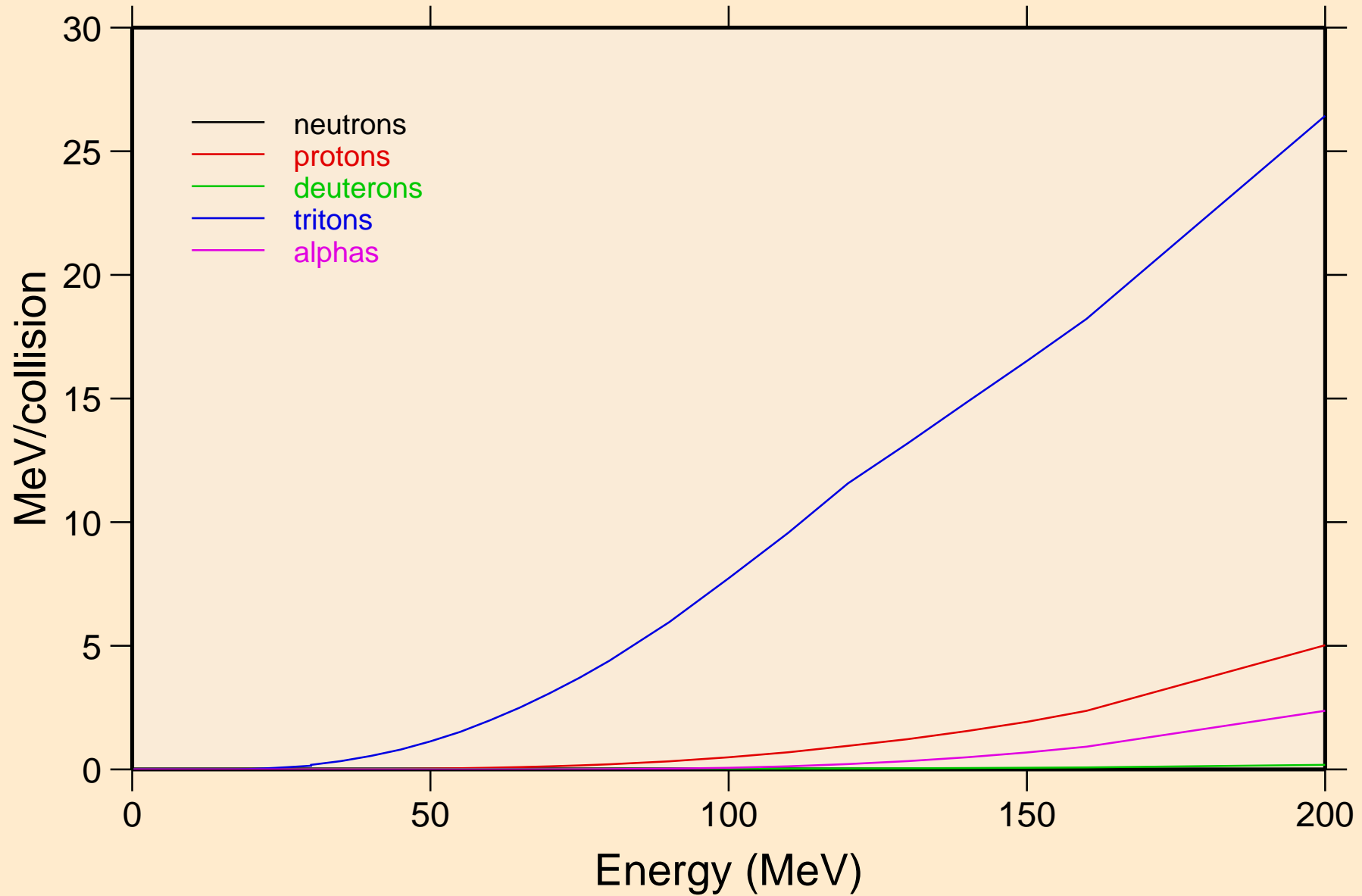


EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



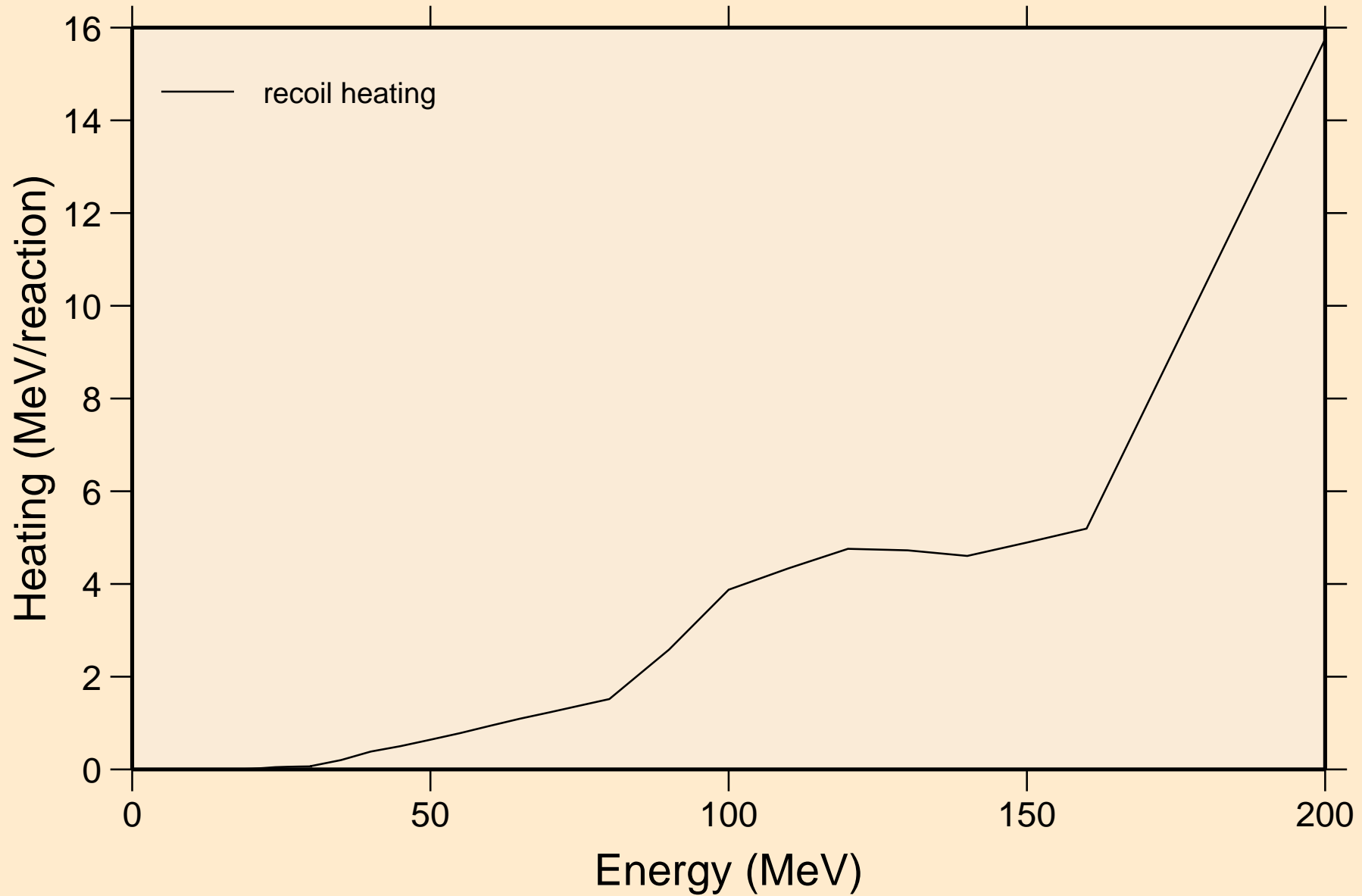
# EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



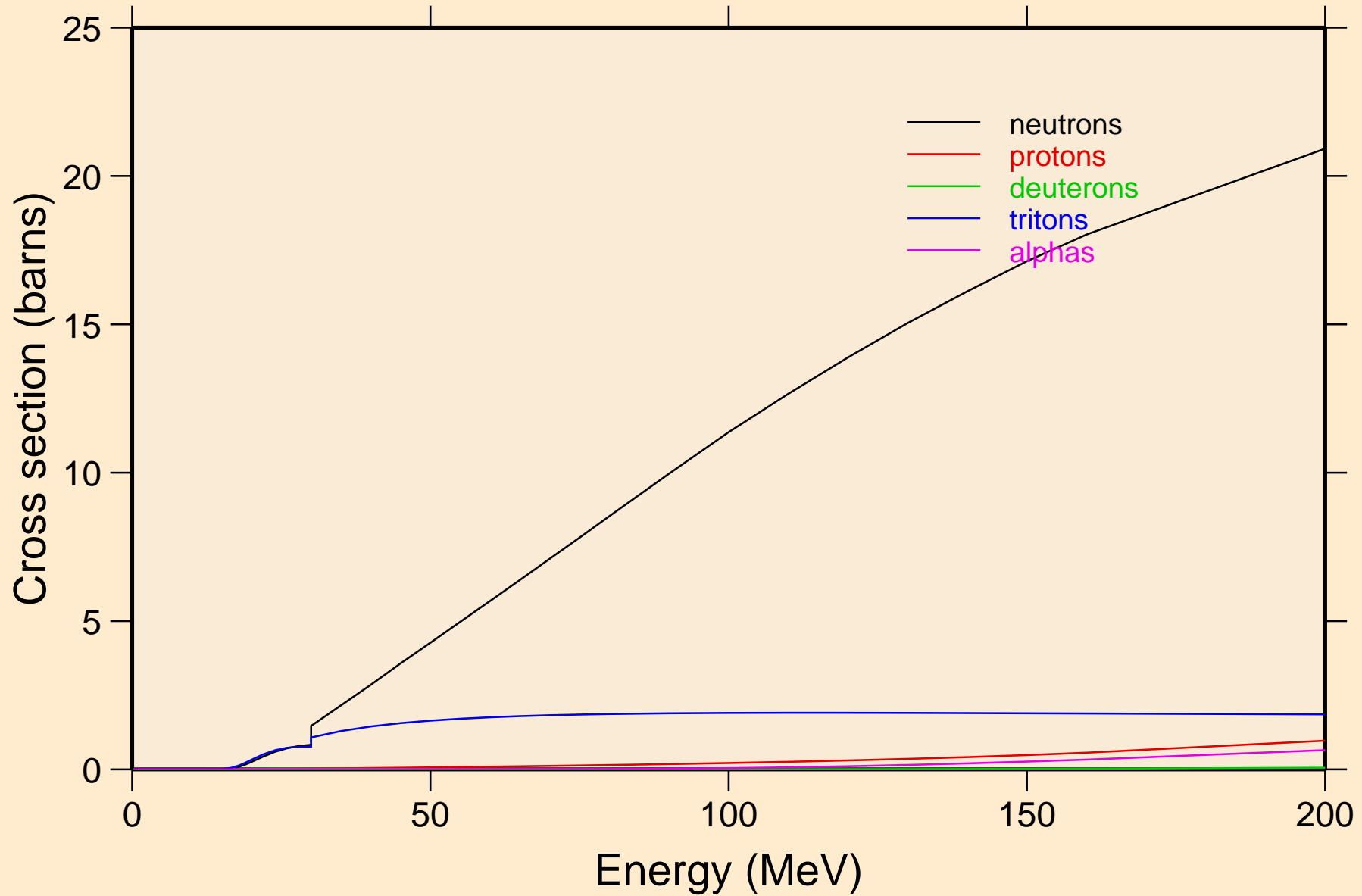


EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

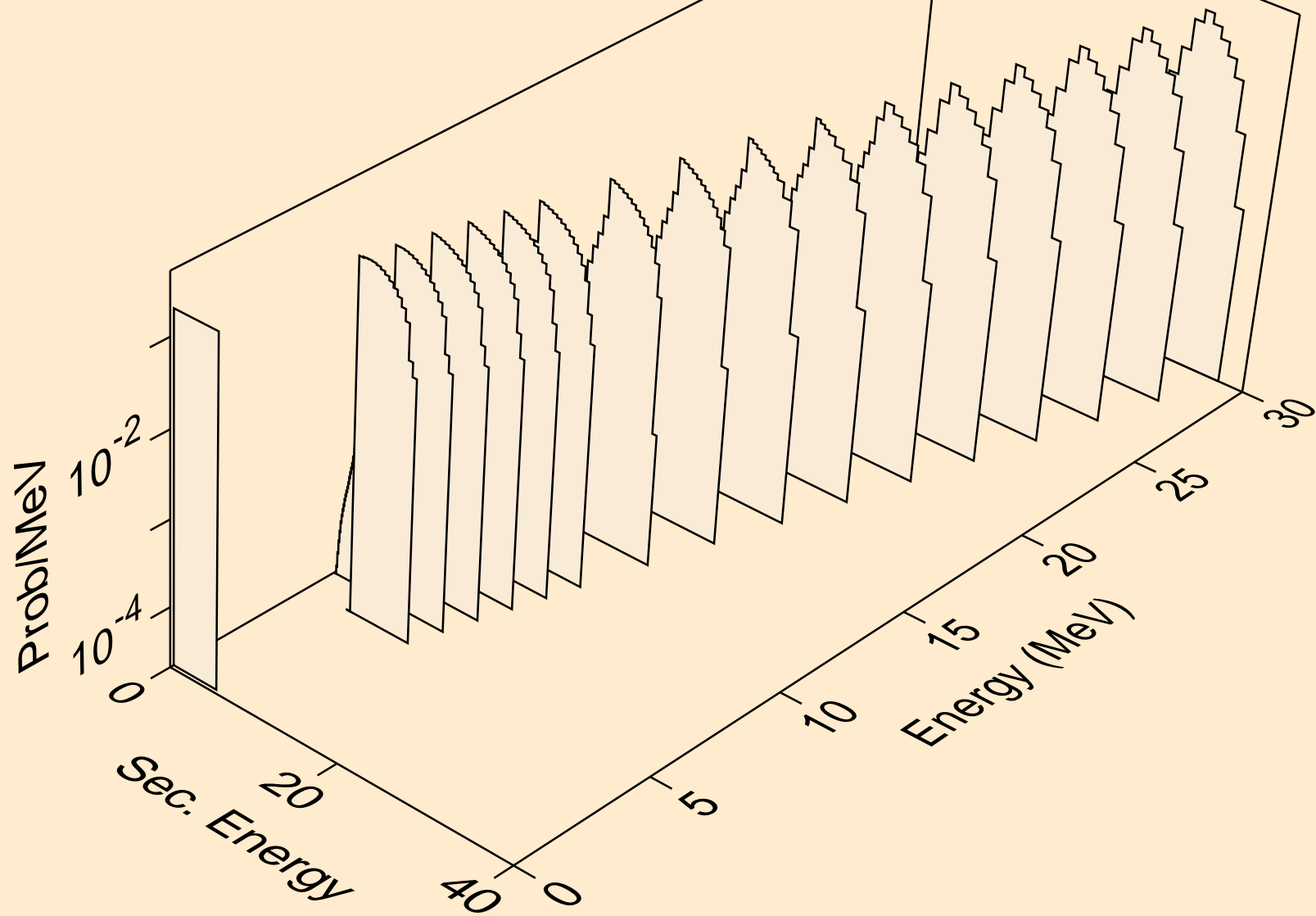


# EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K

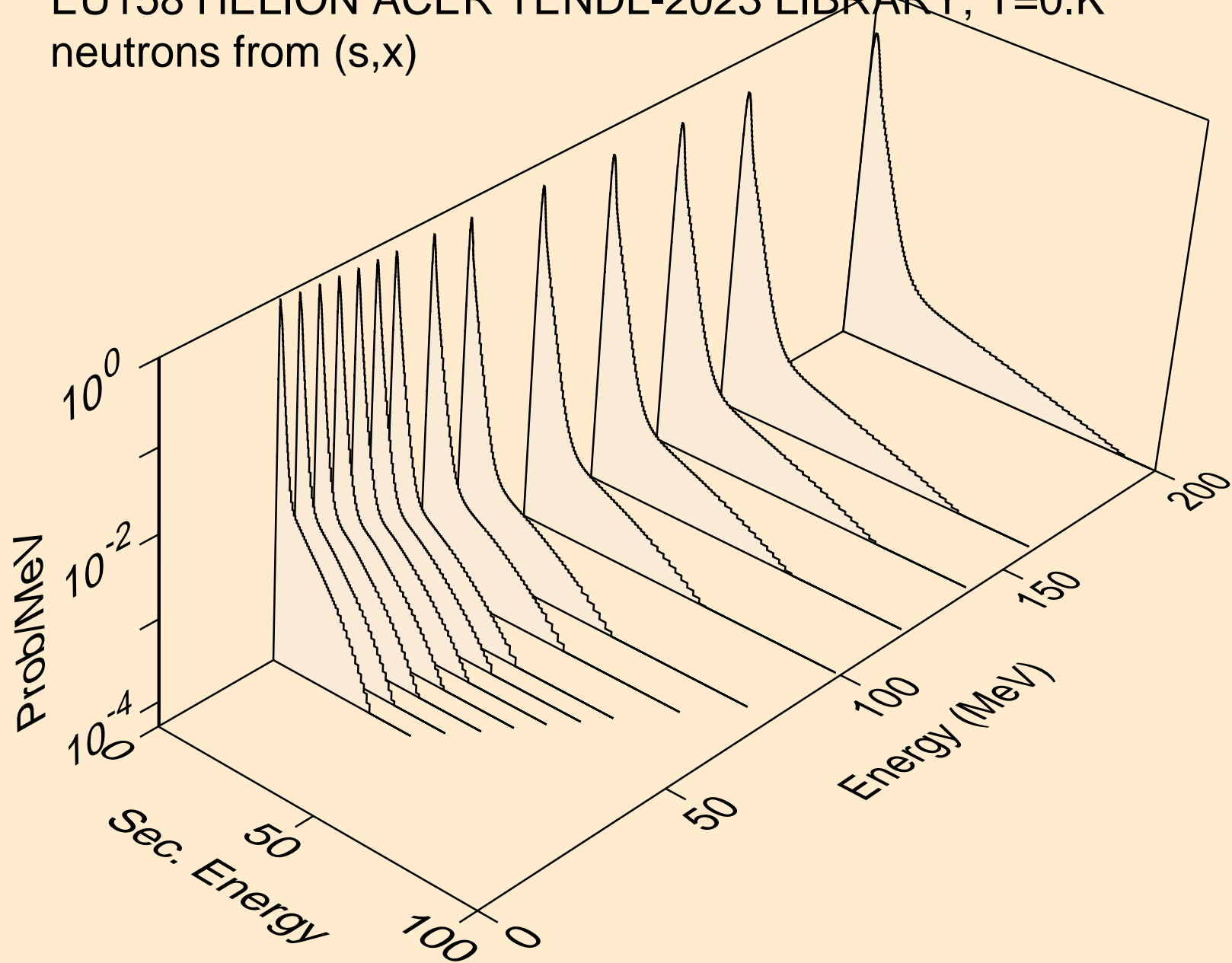
## Particle production cross sections



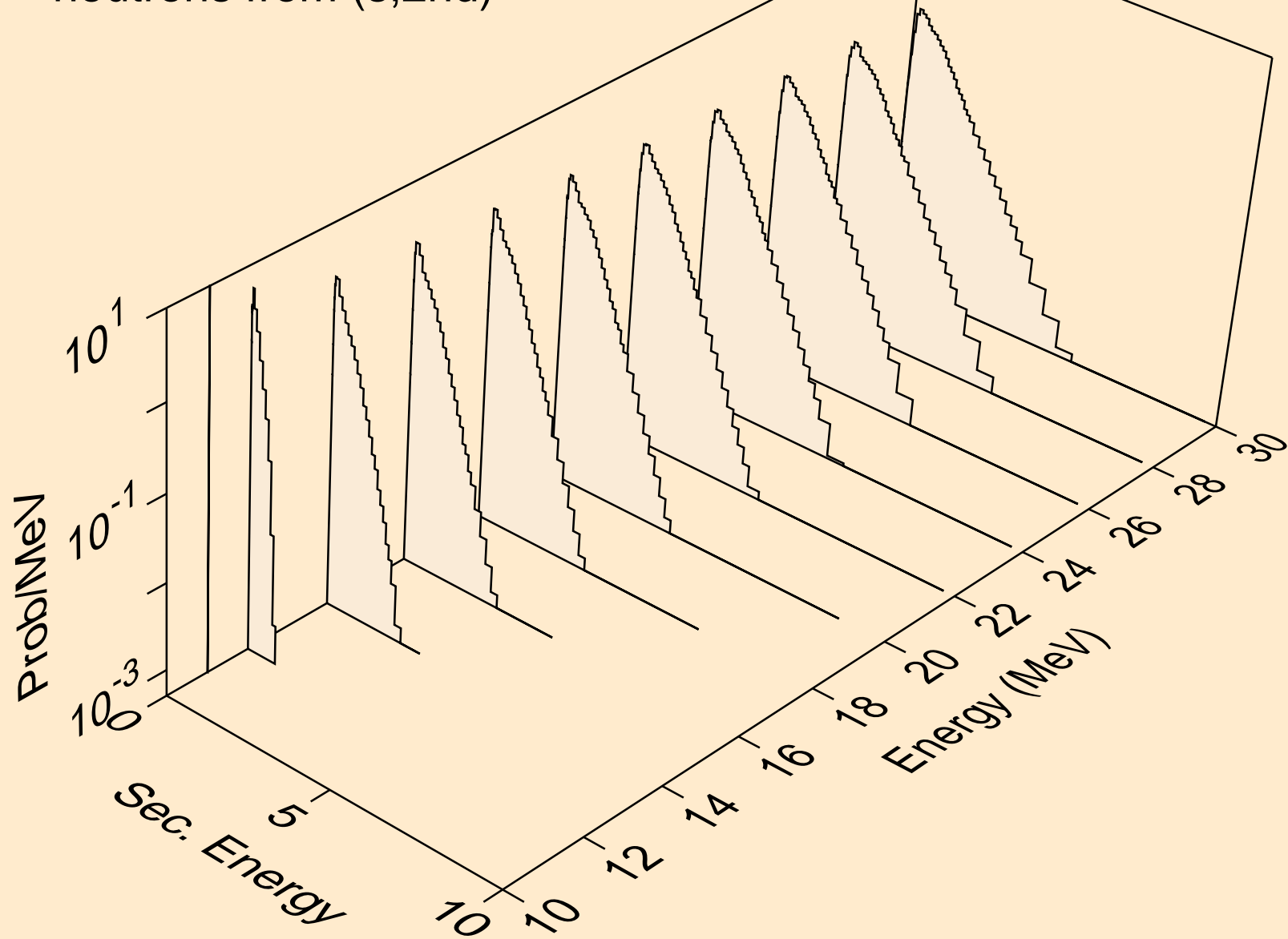
EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



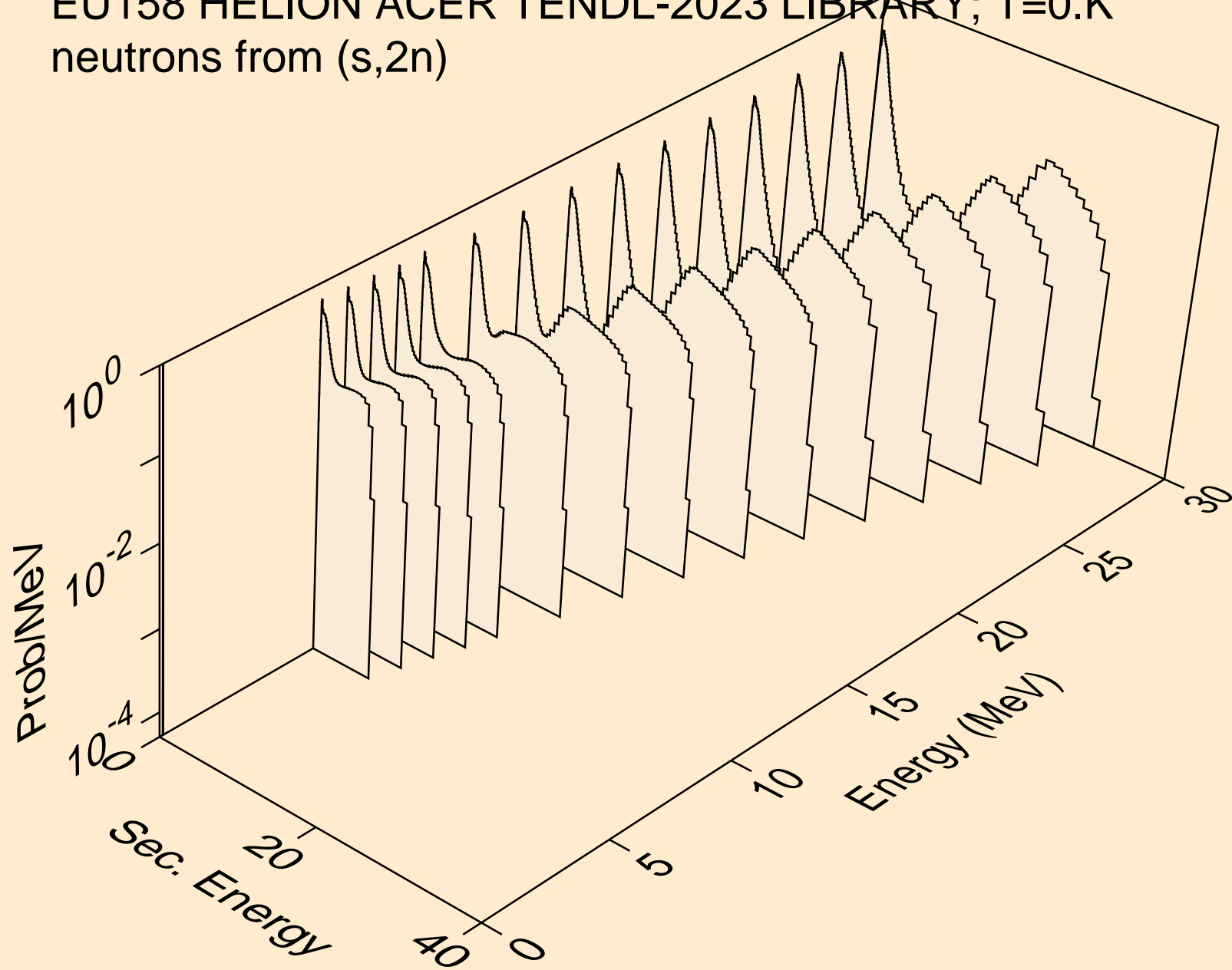
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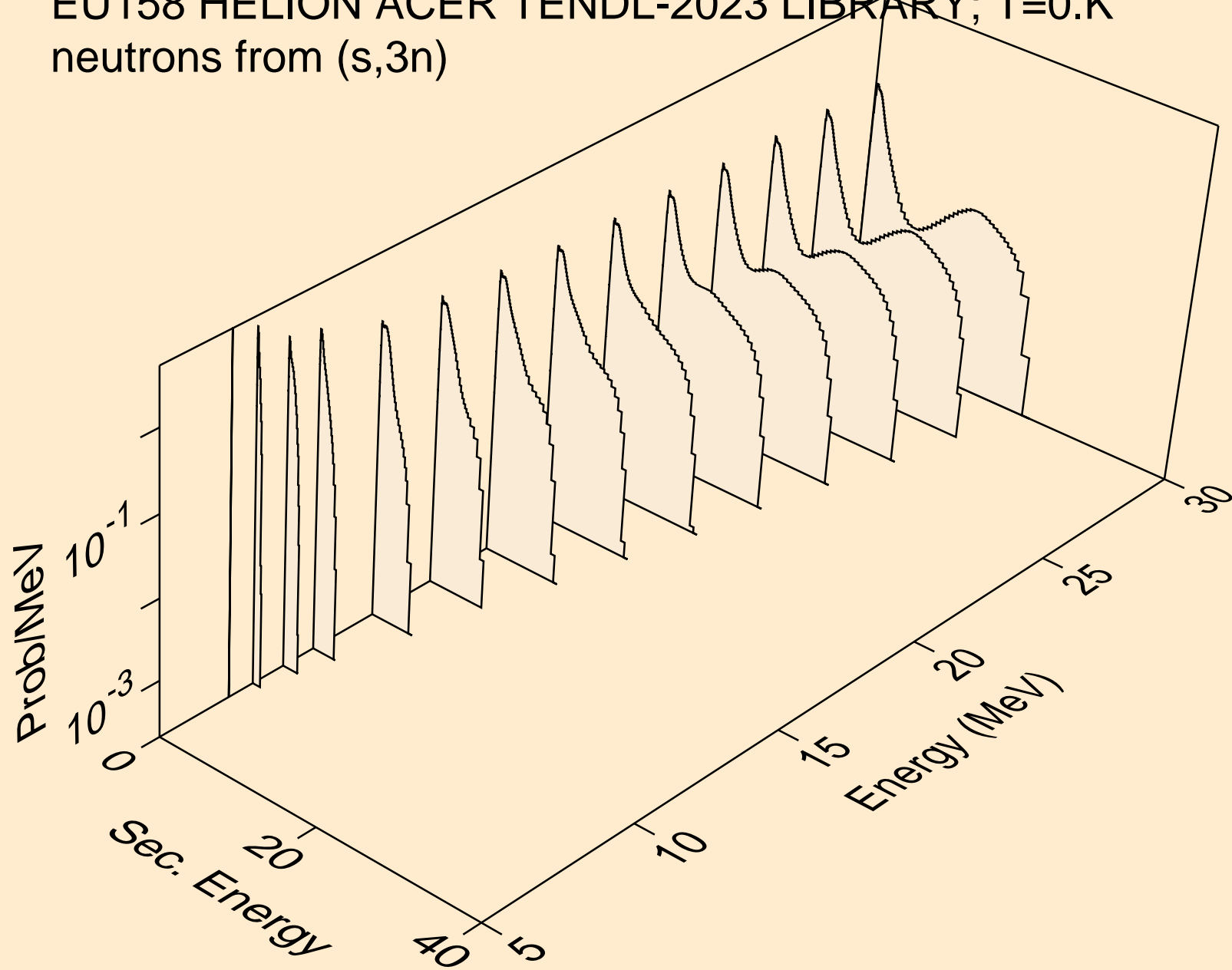
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neutrons from (s,2nd)



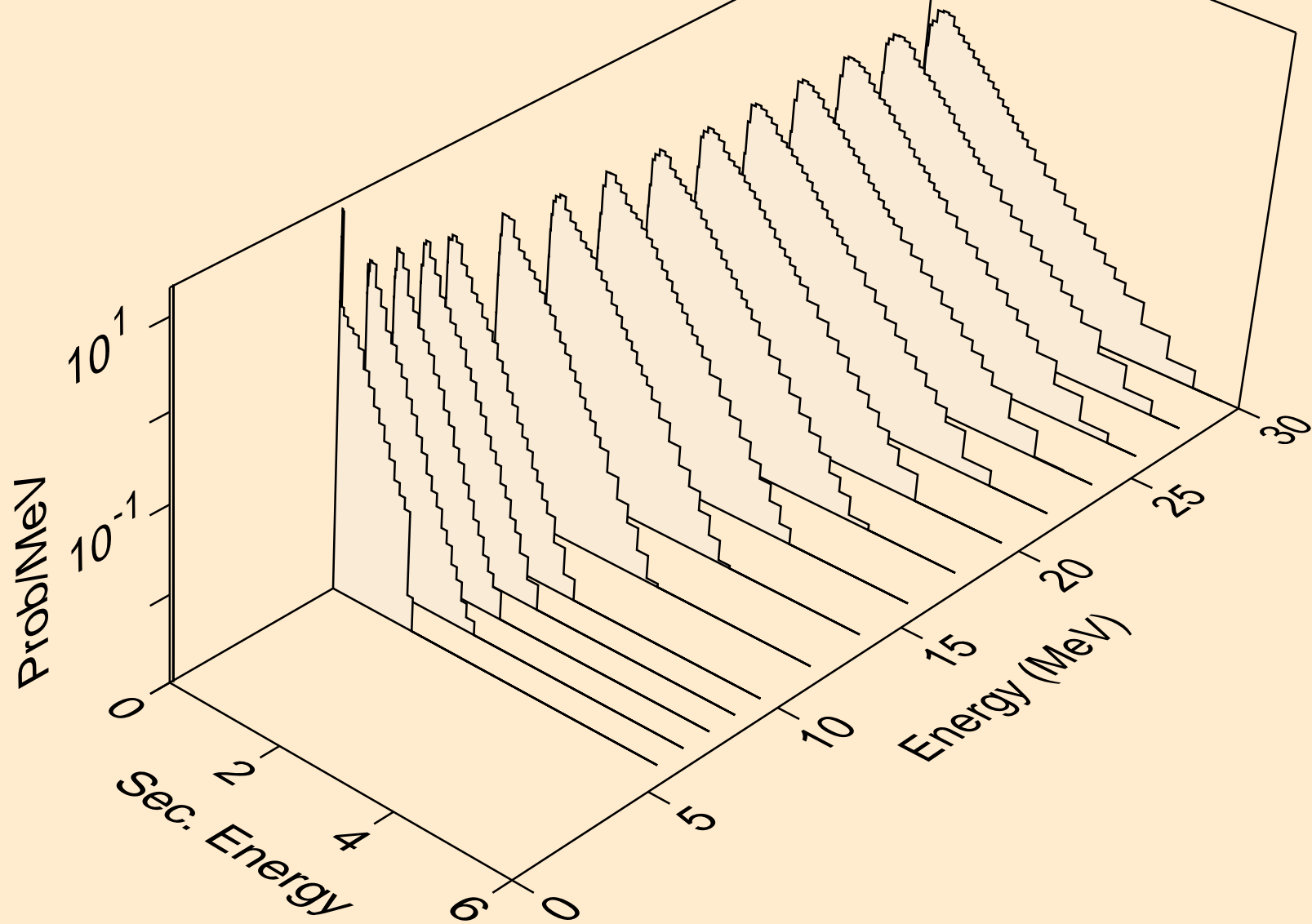
EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)



EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3n)

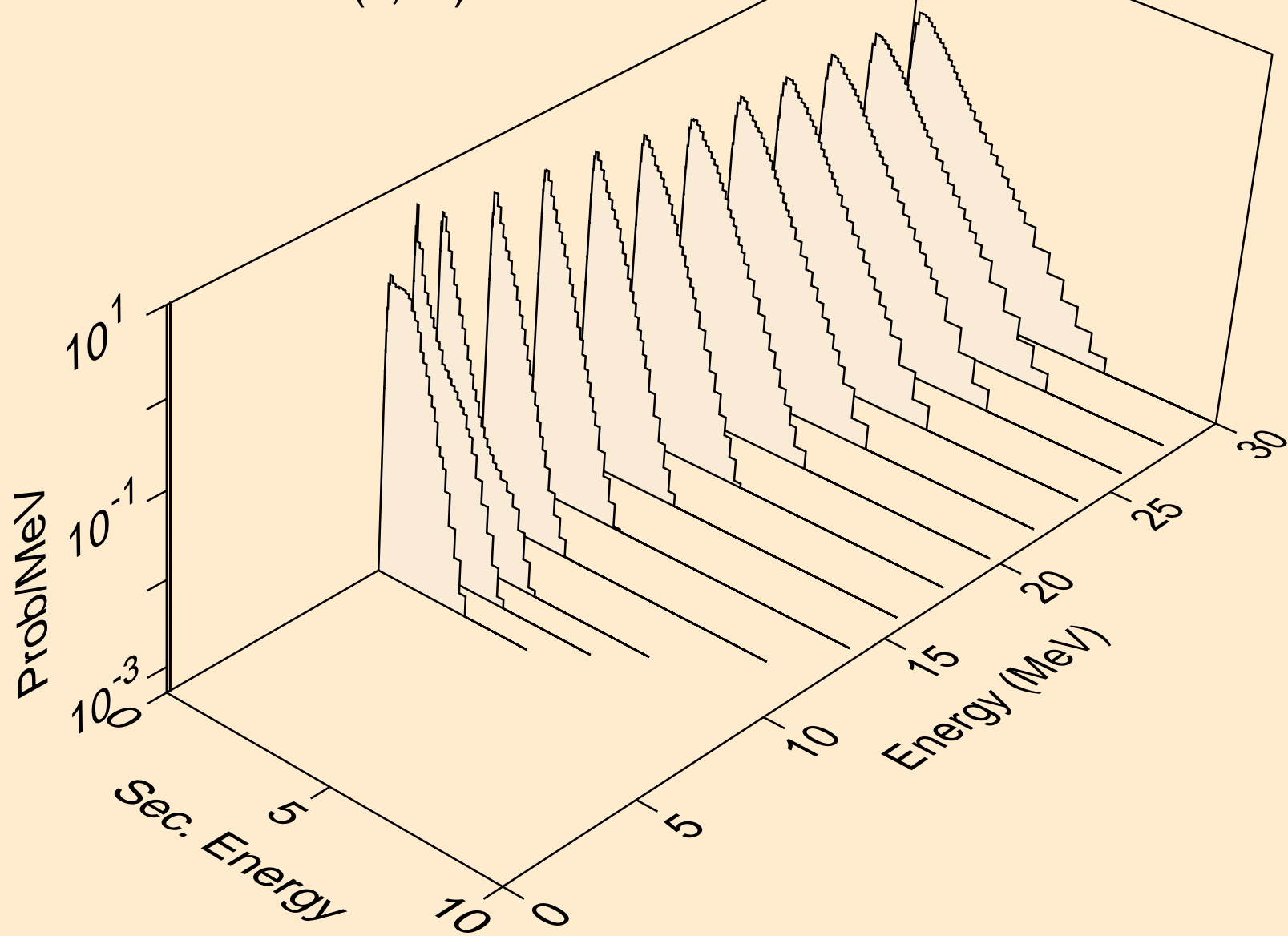


EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a

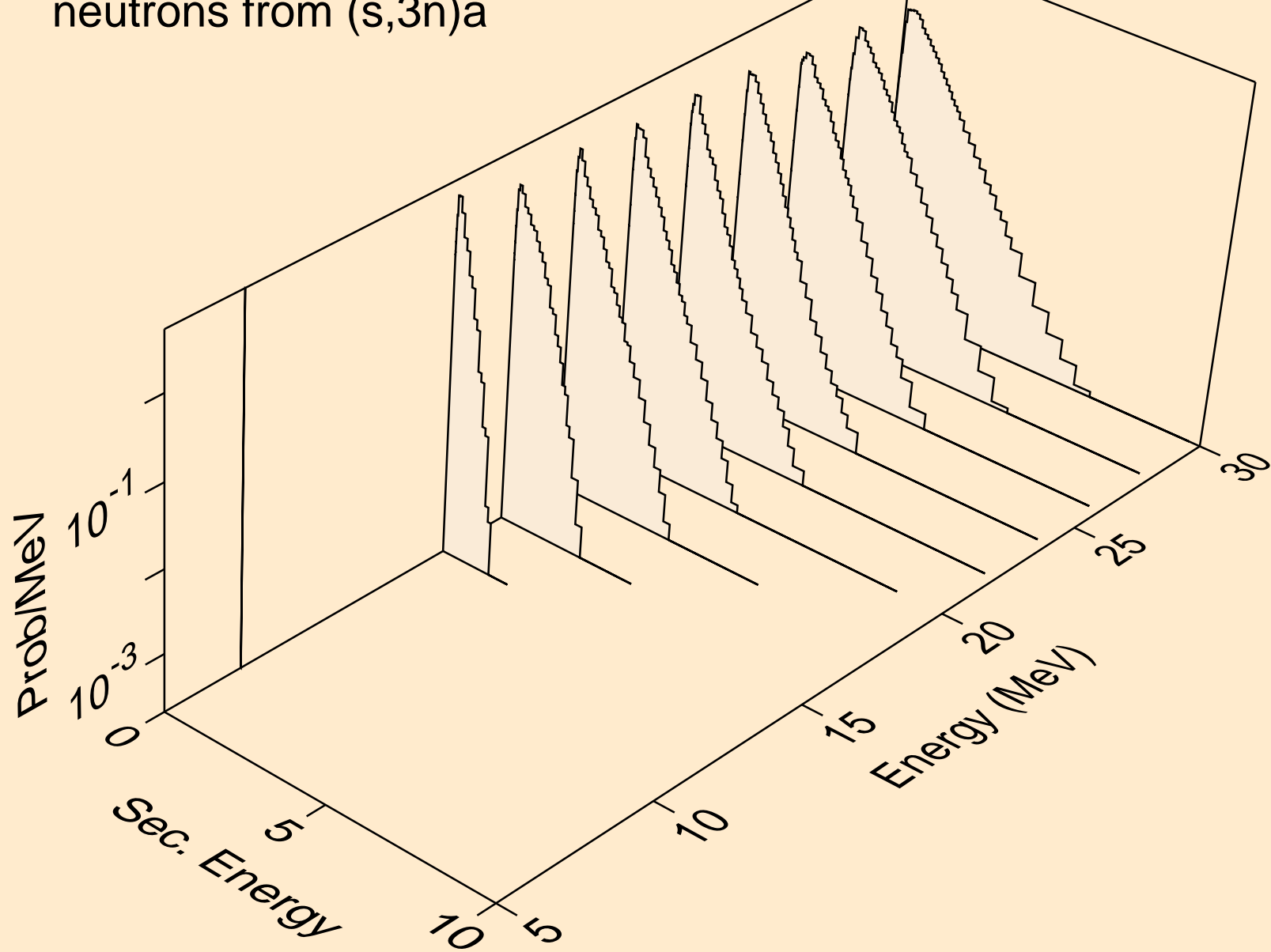




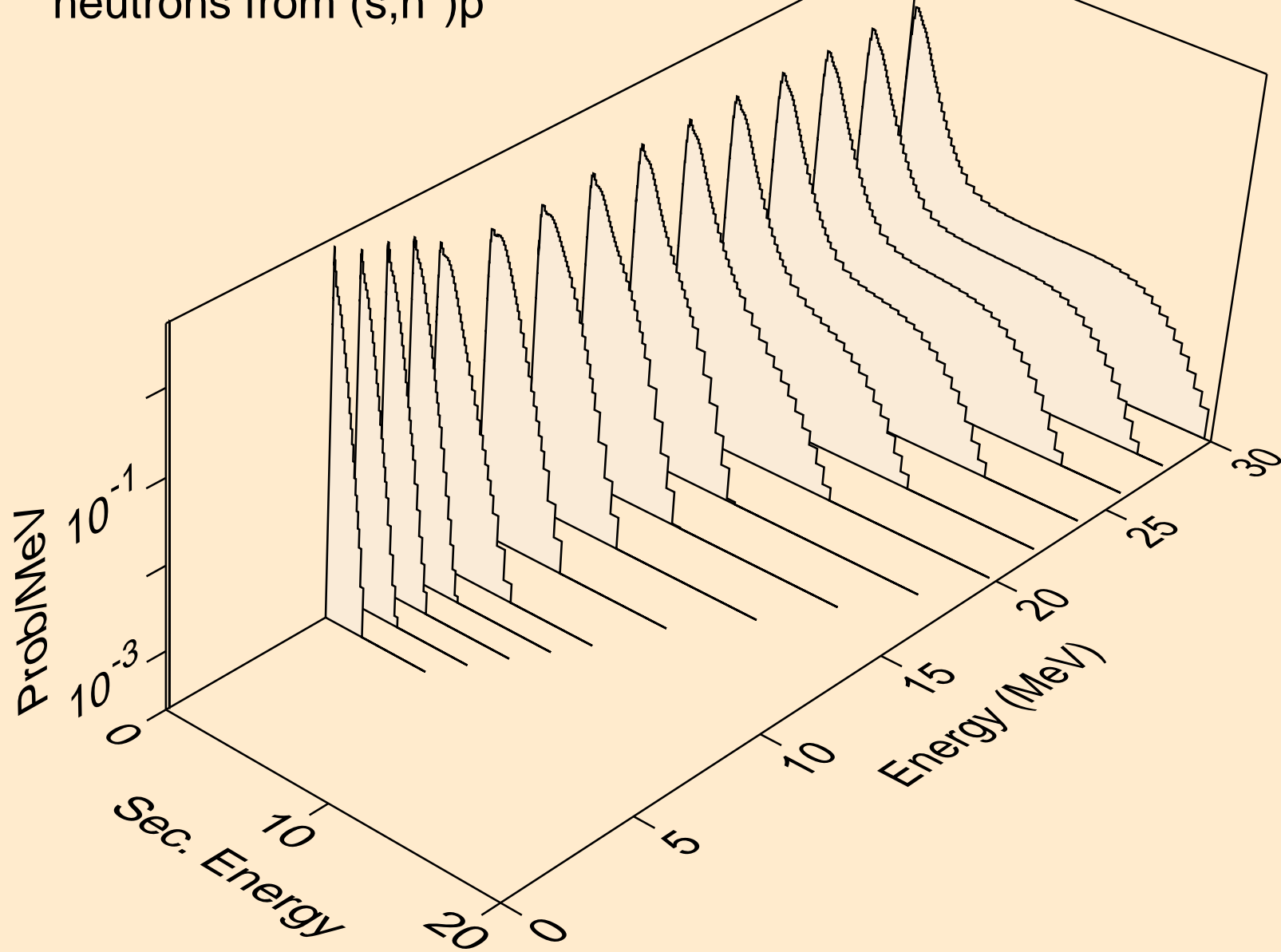
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neutrons from (s,2n)a



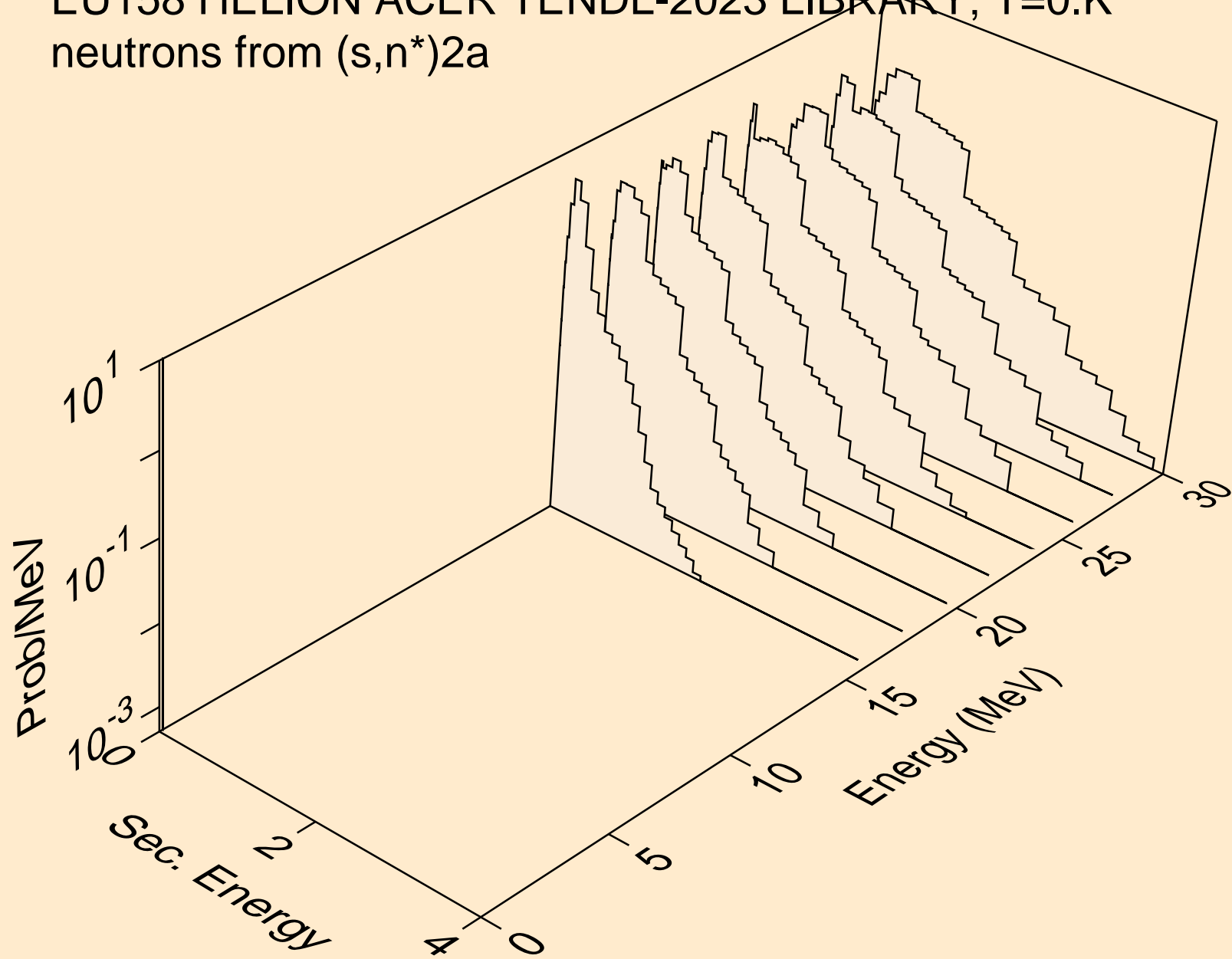
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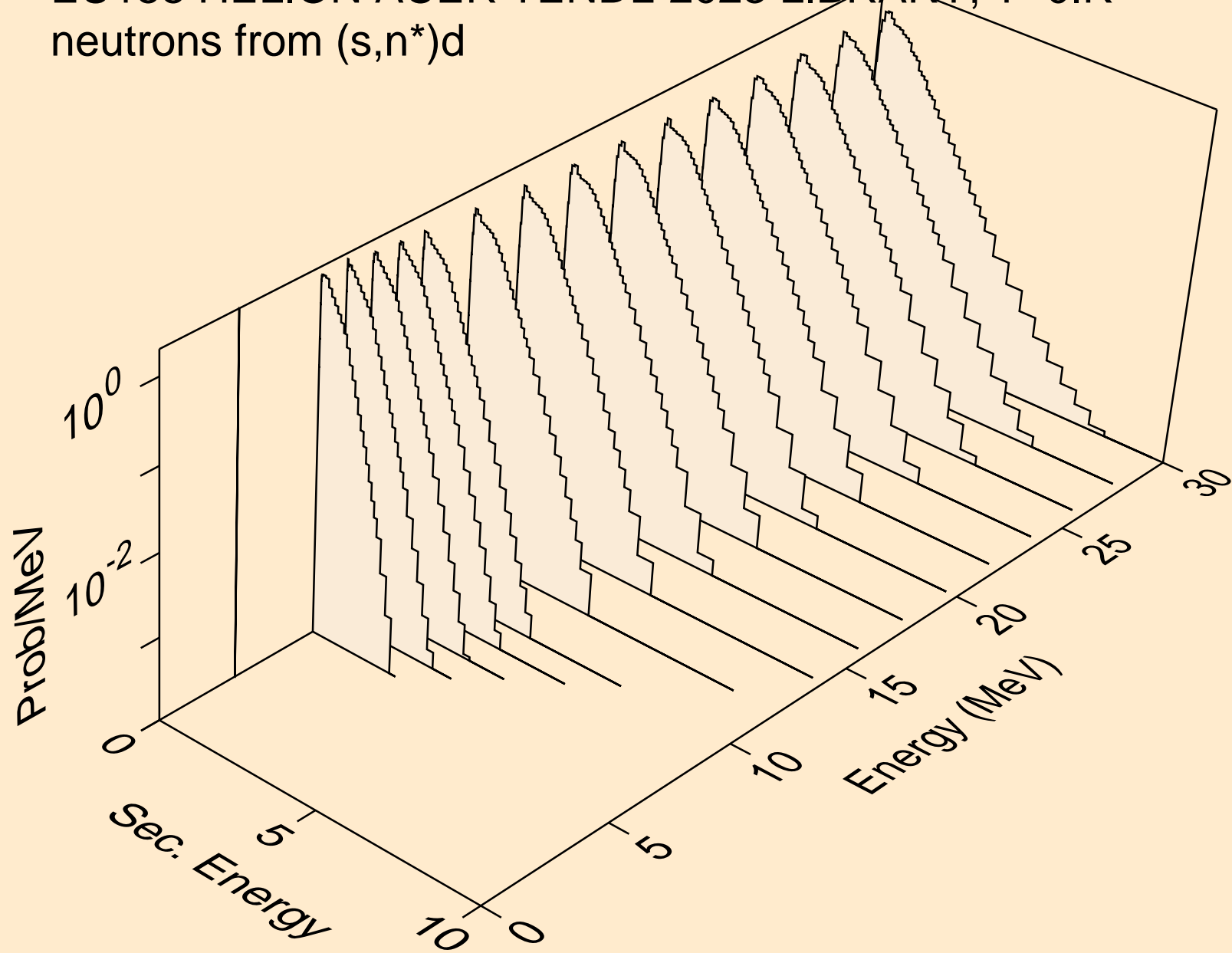
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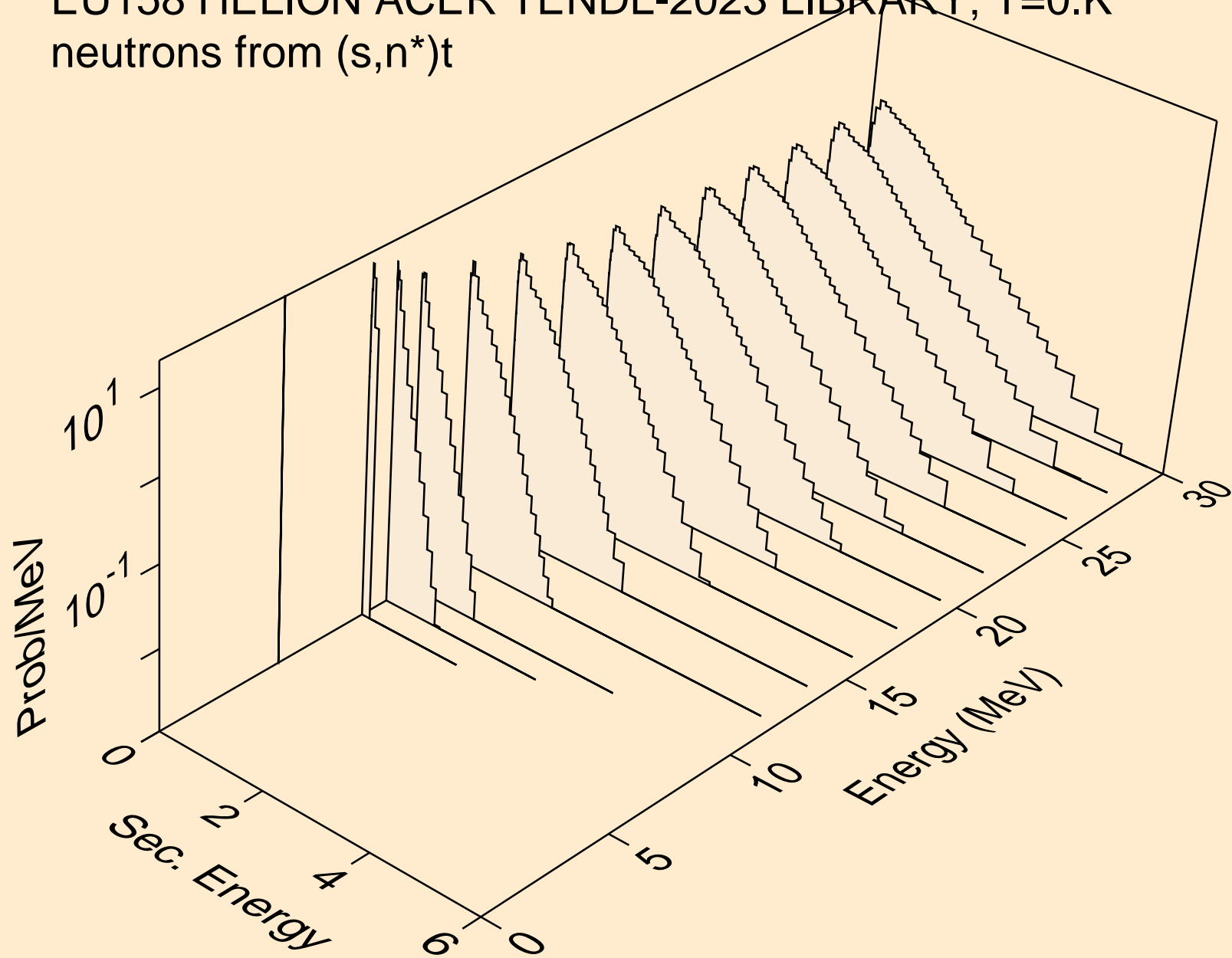
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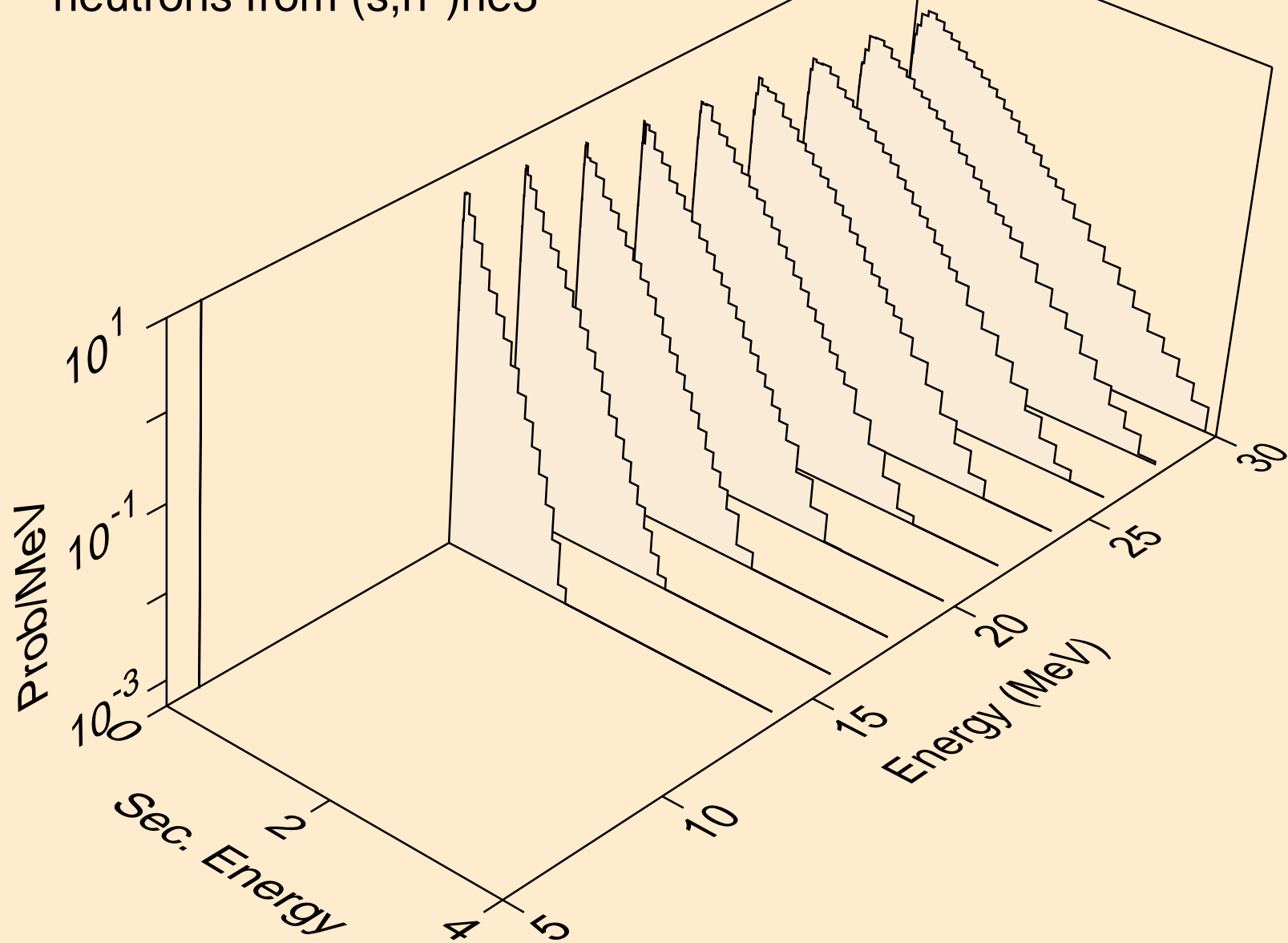
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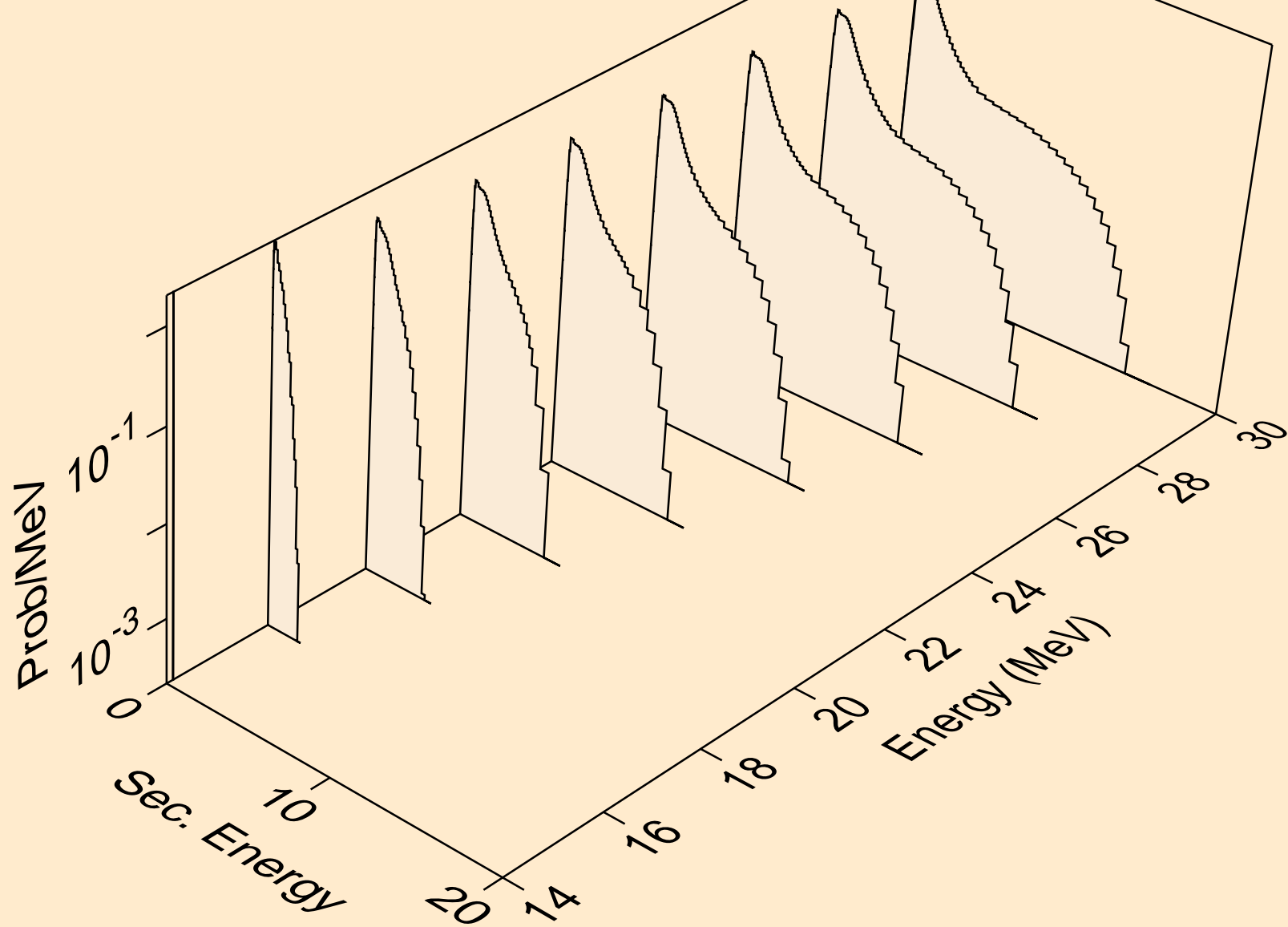
EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)t



EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

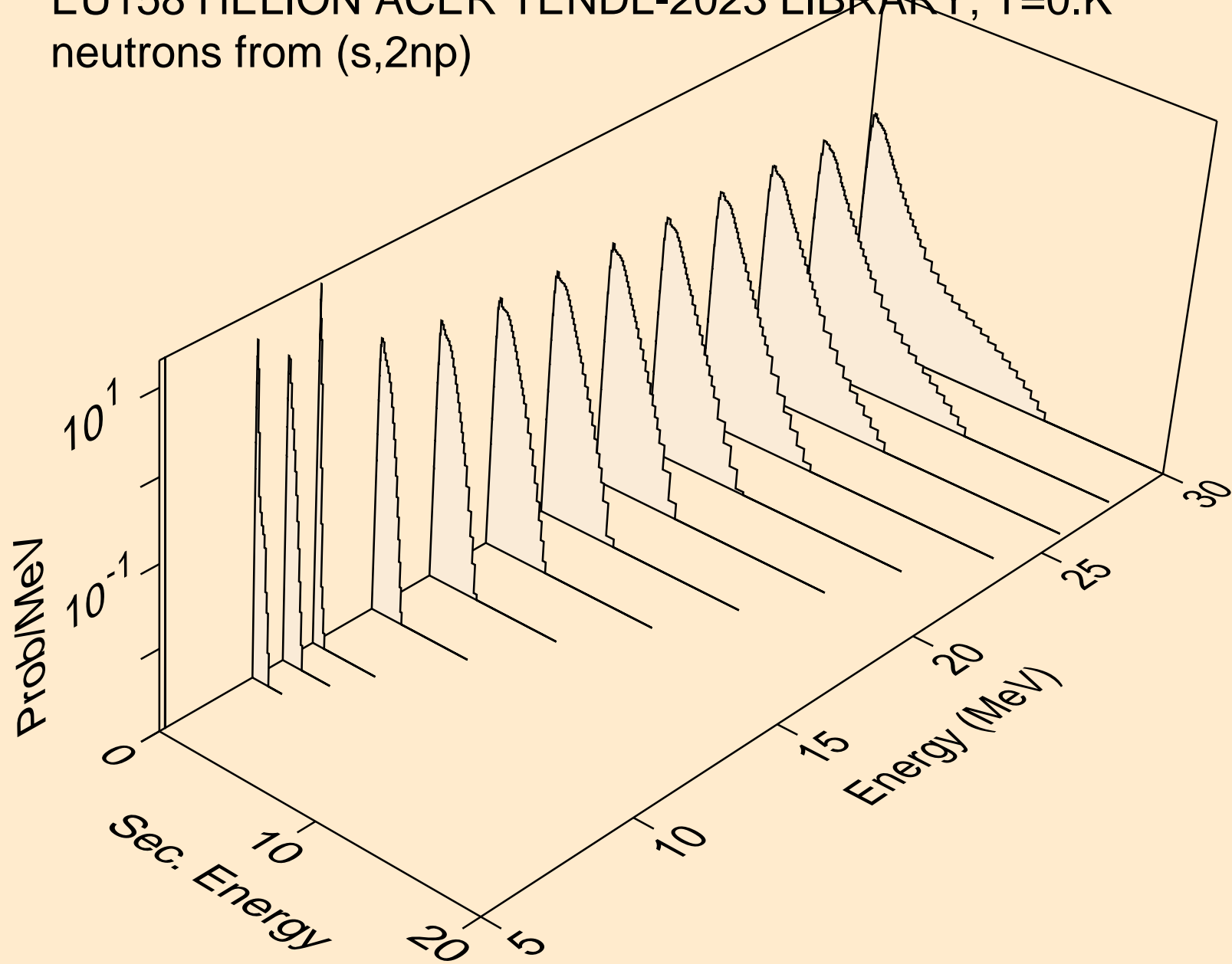


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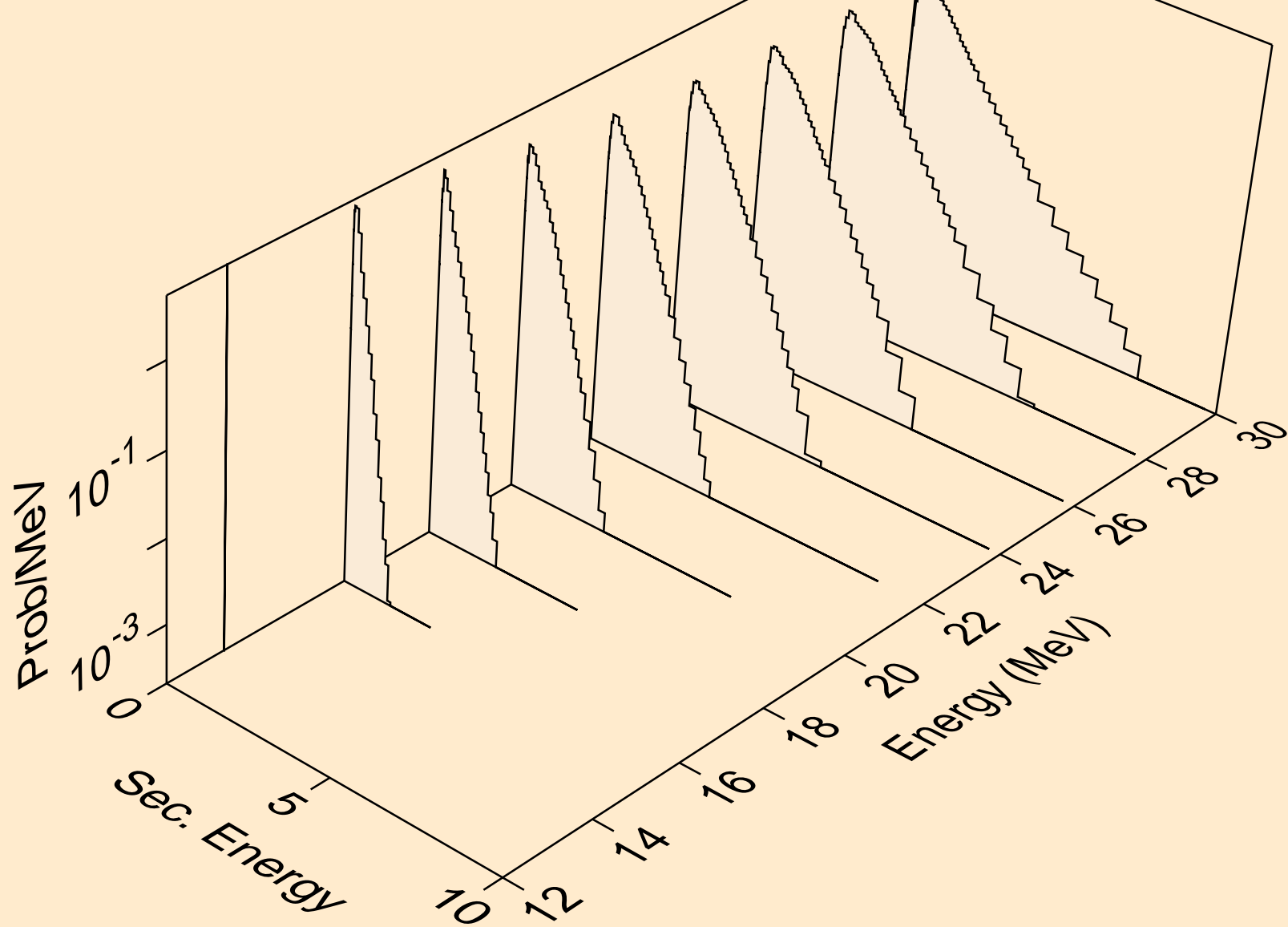




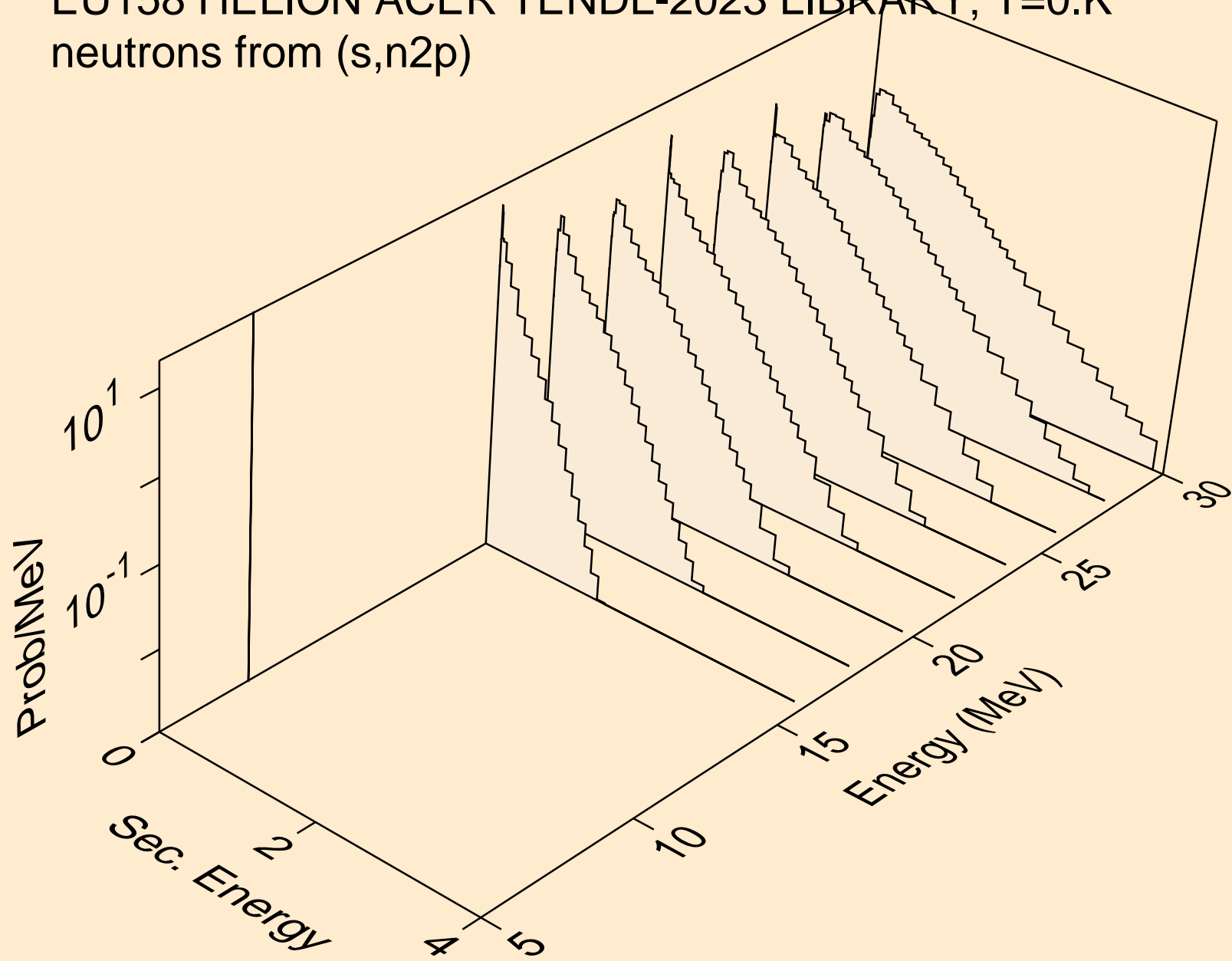
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neutrons from (s,2np)



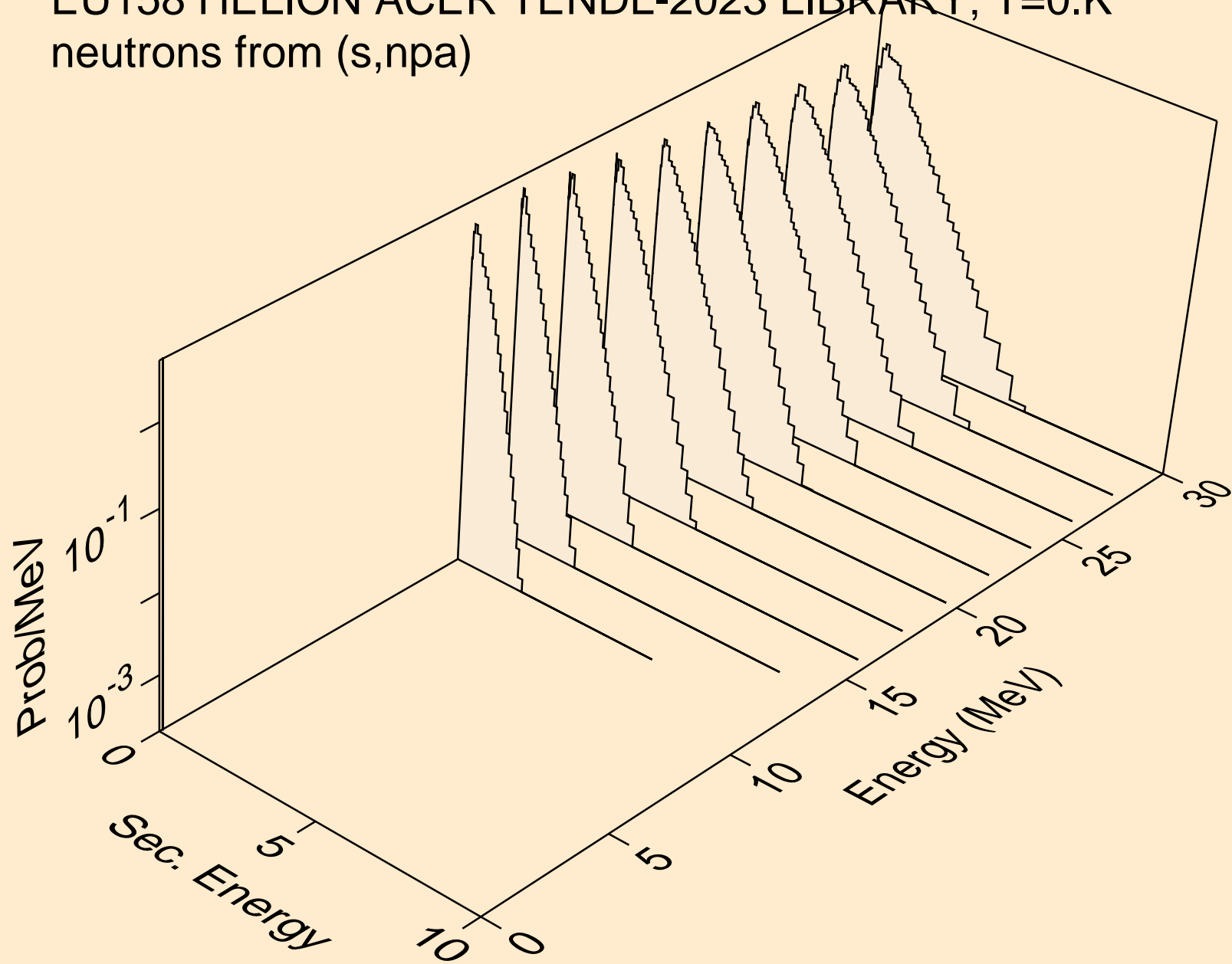
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neutrons from (s,3np)



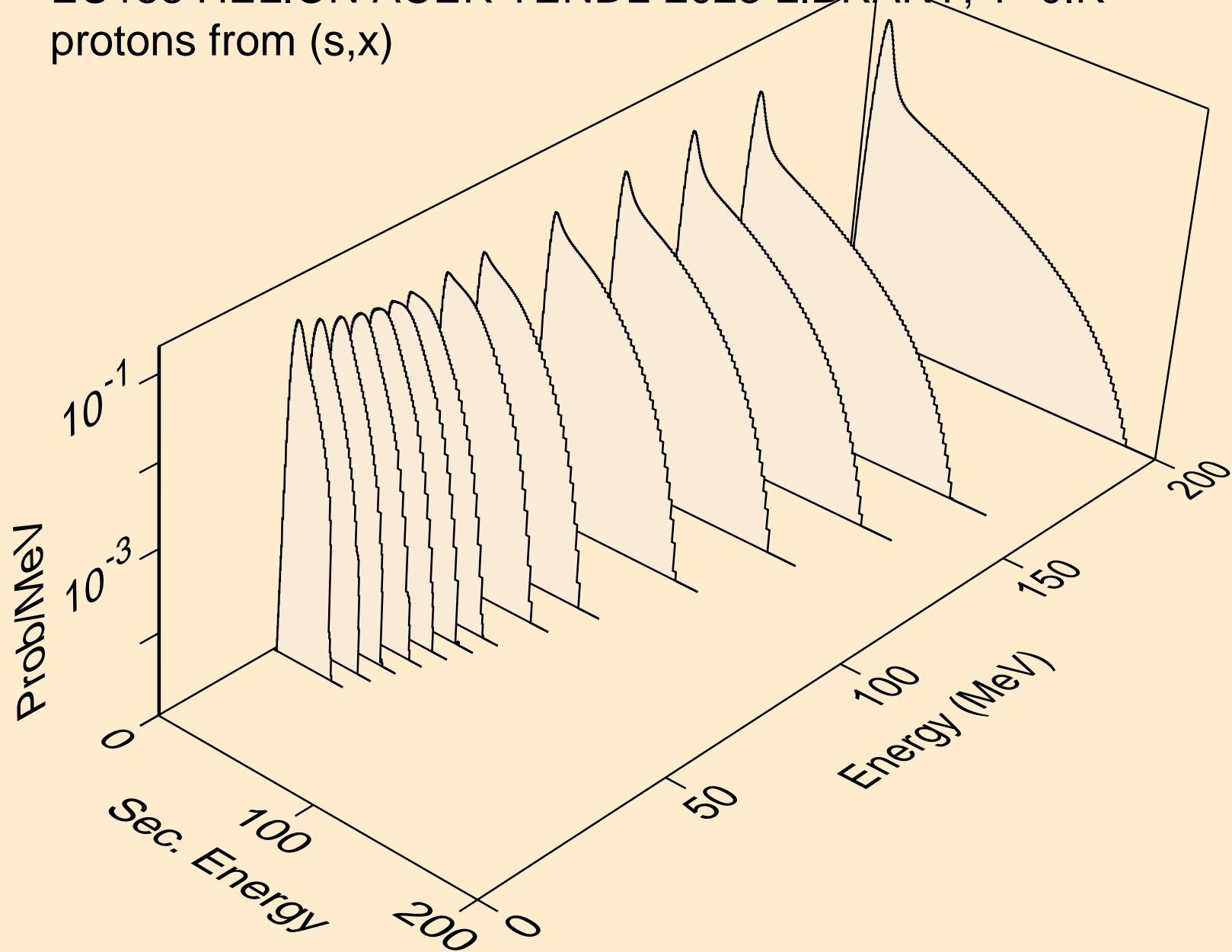
EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n2p)



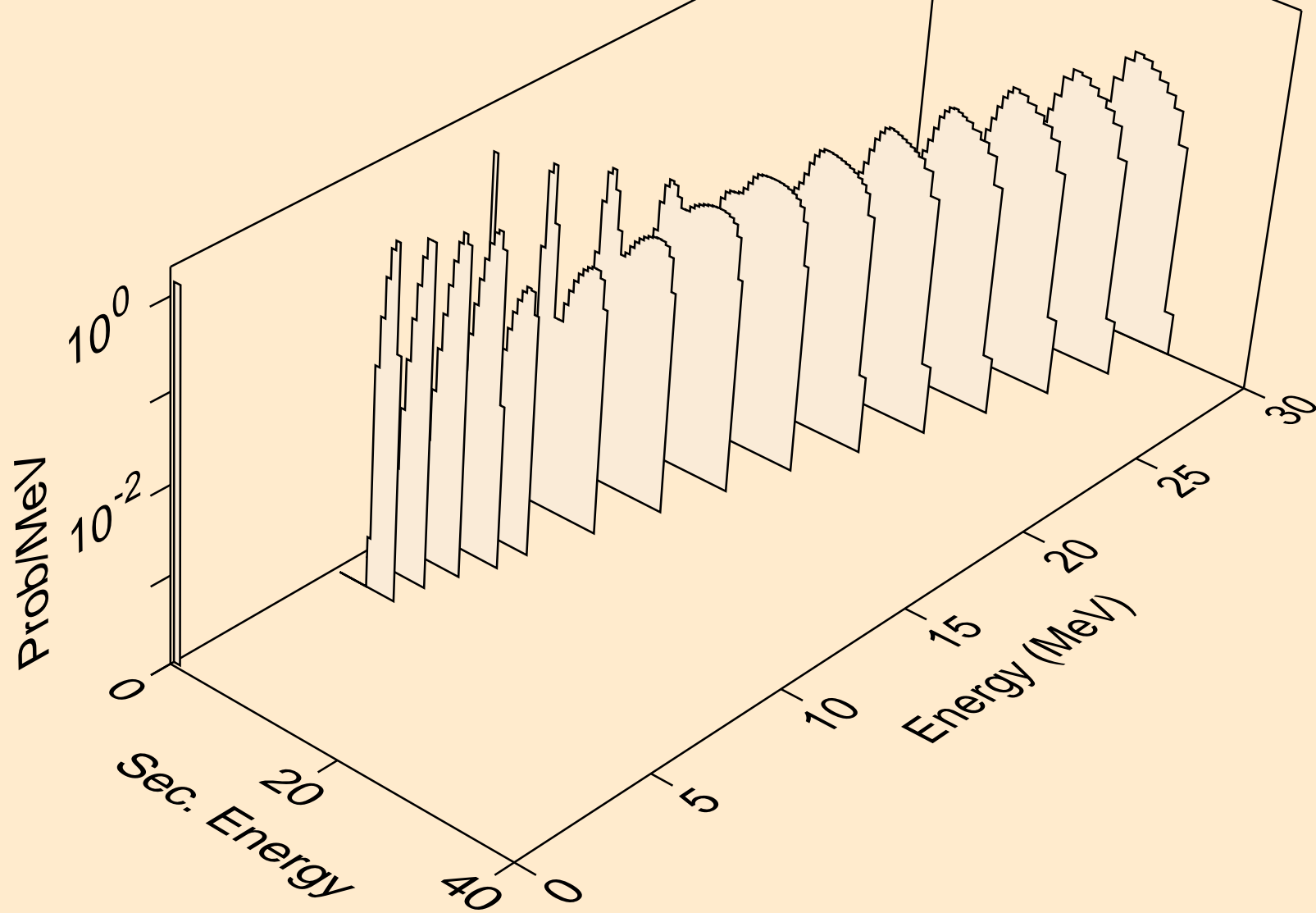
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neutrons from (s,npa)



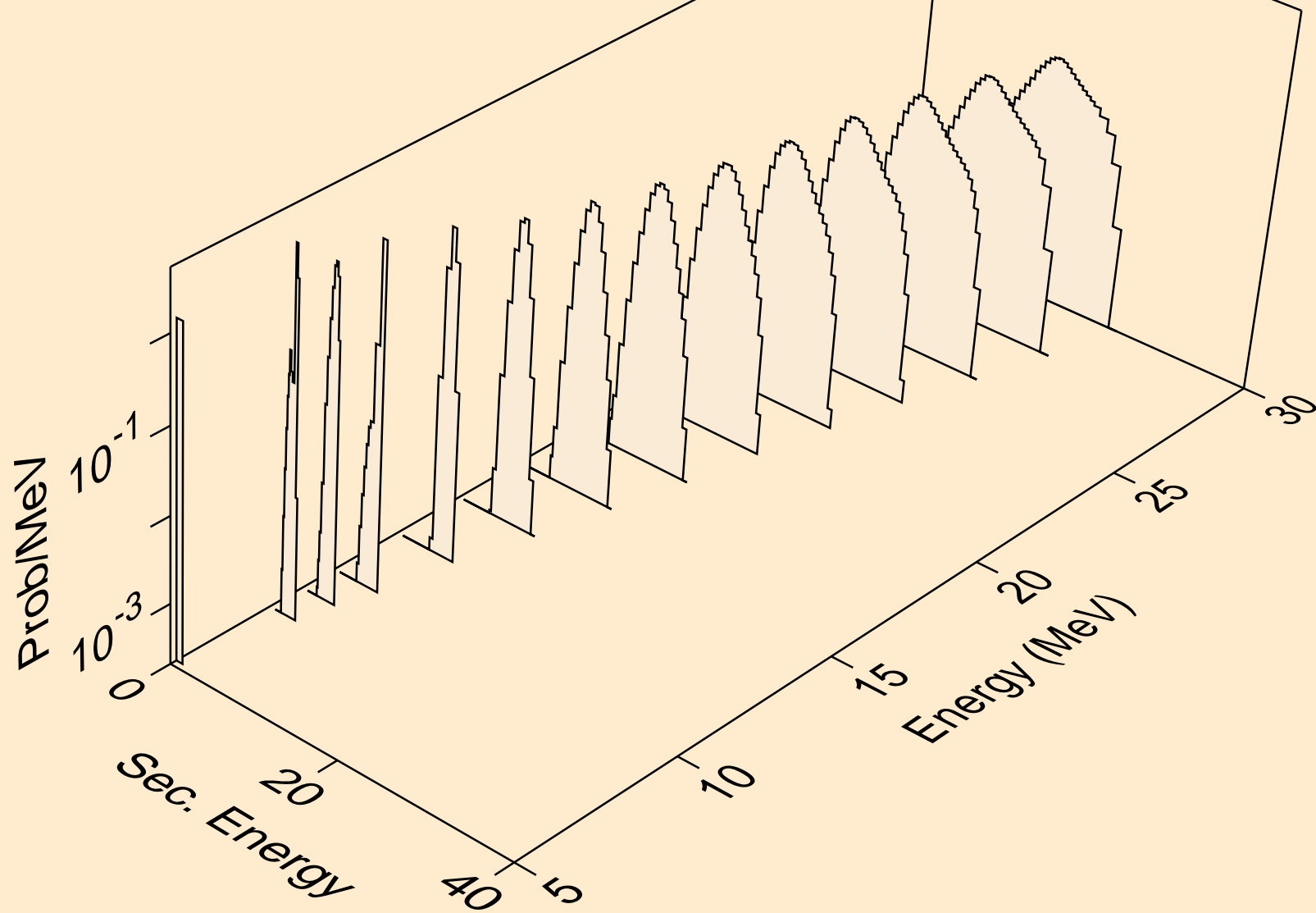
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protons from (s,x)



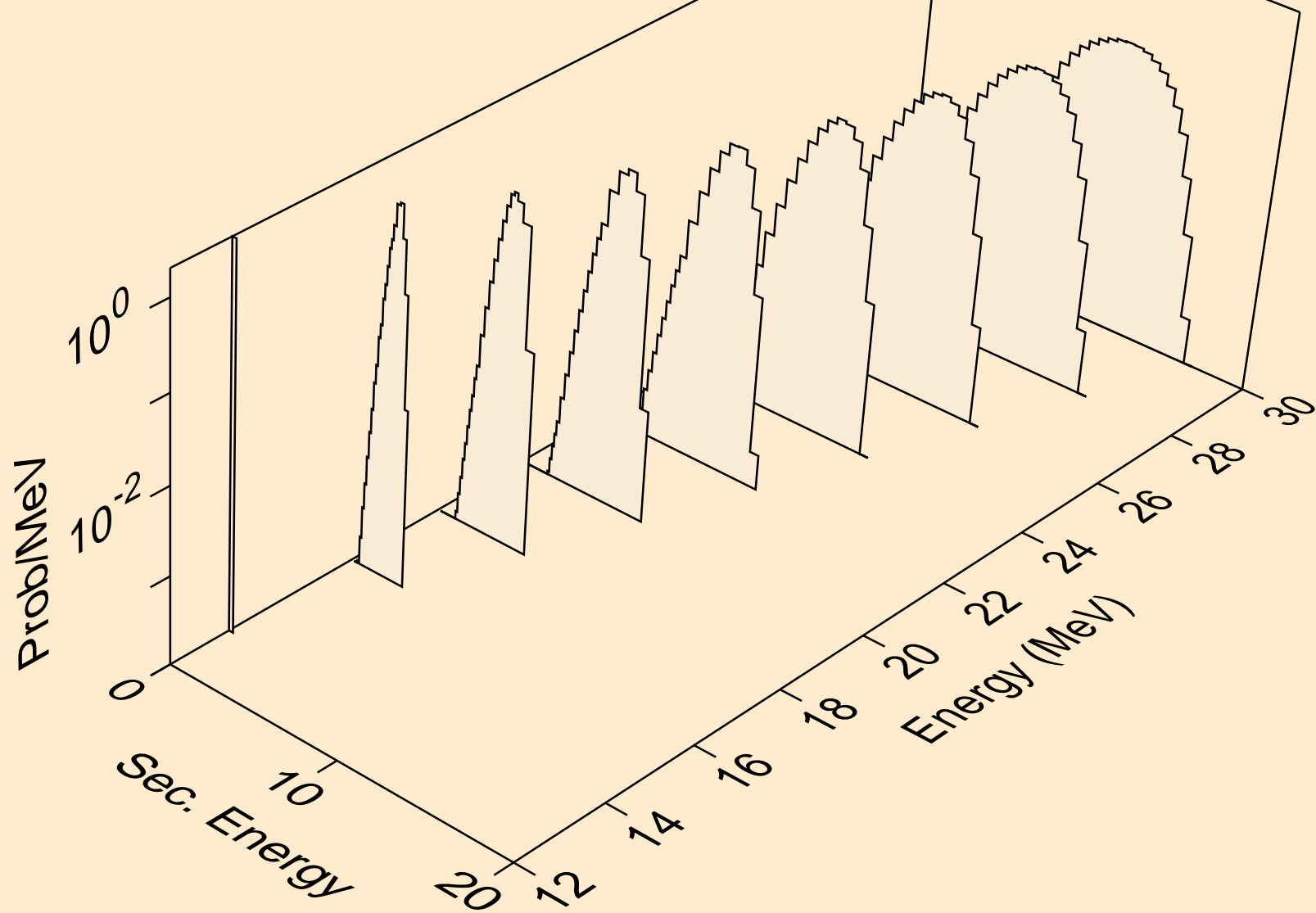
EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n\*)p



EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,2np)

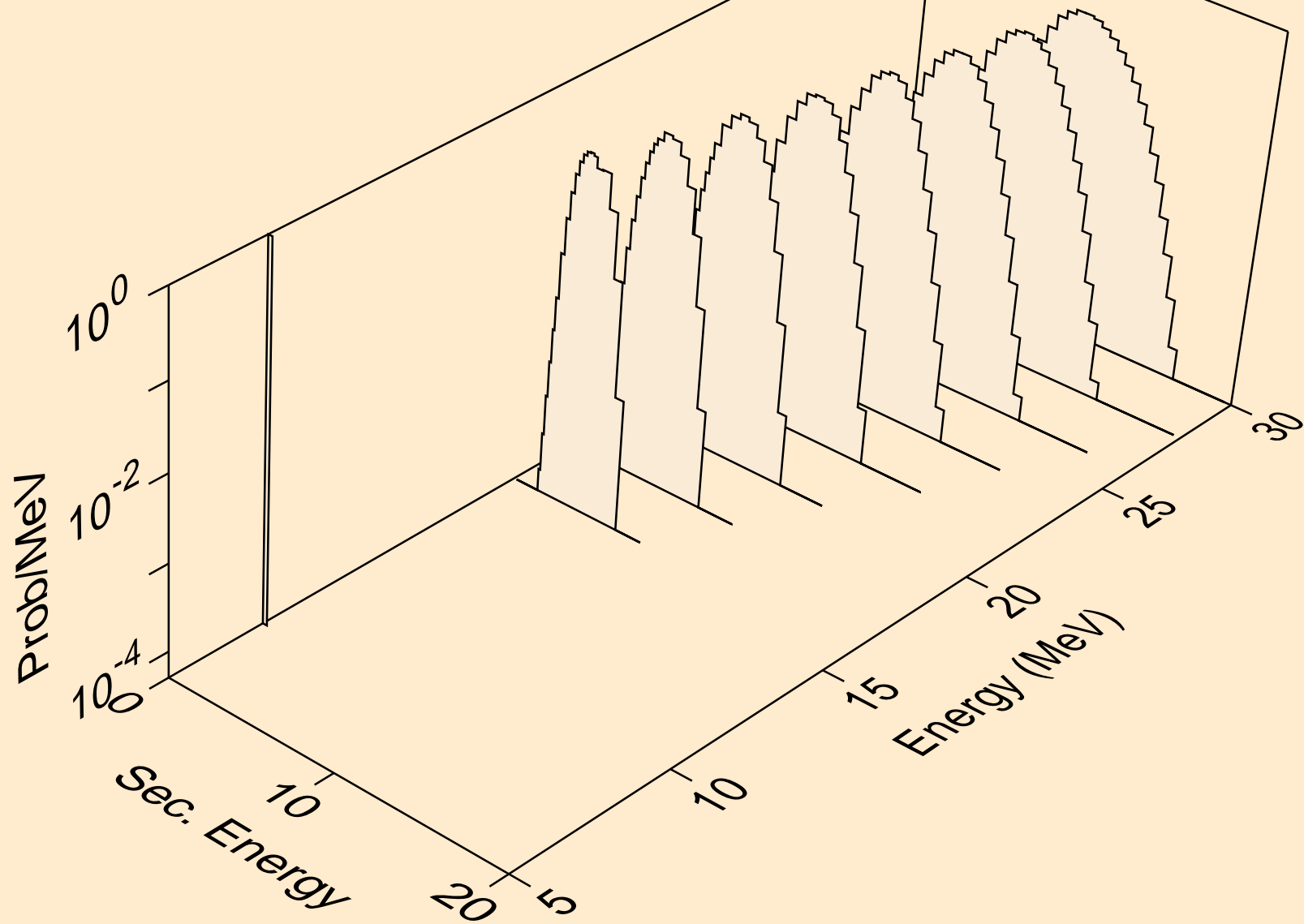


EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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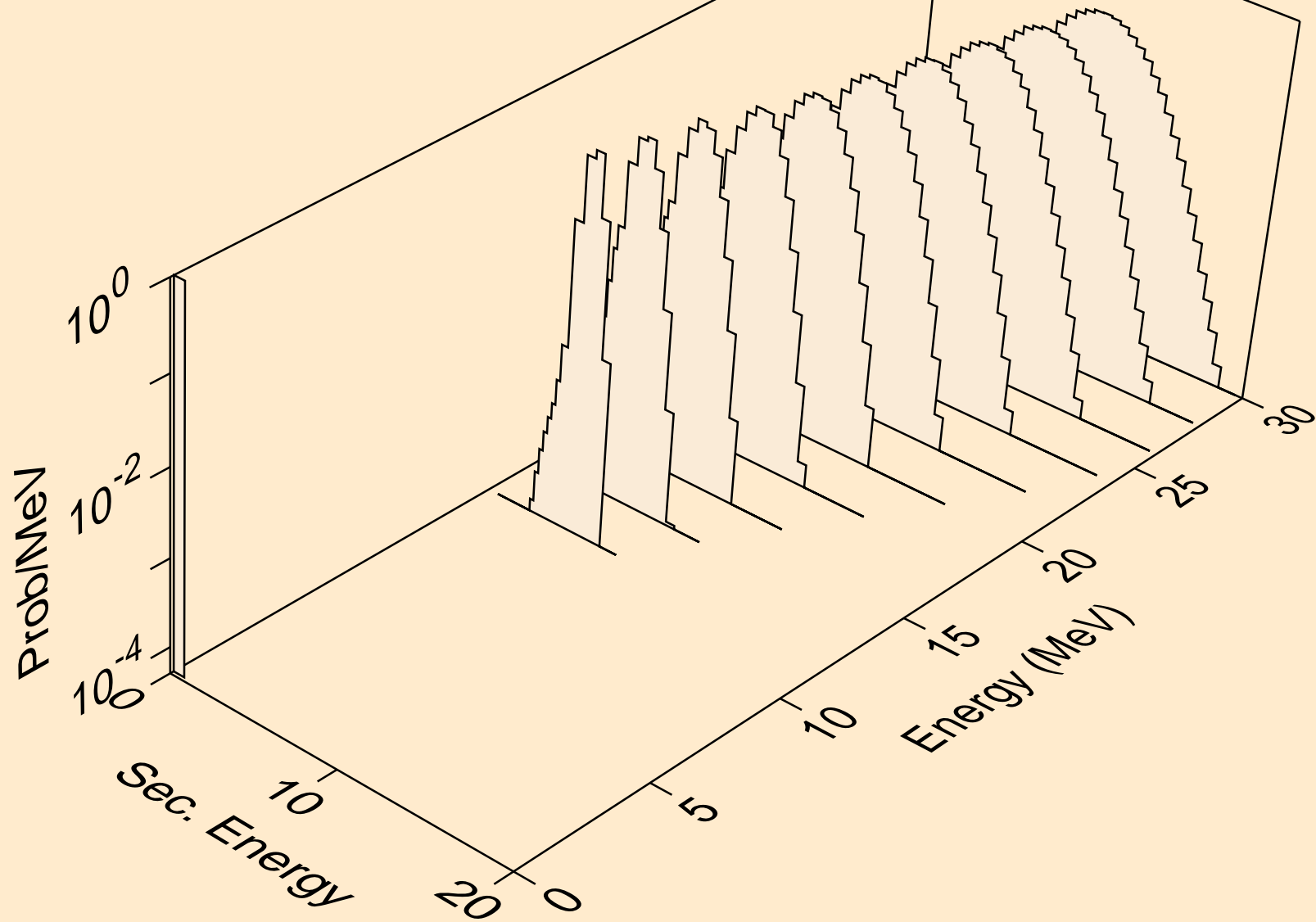




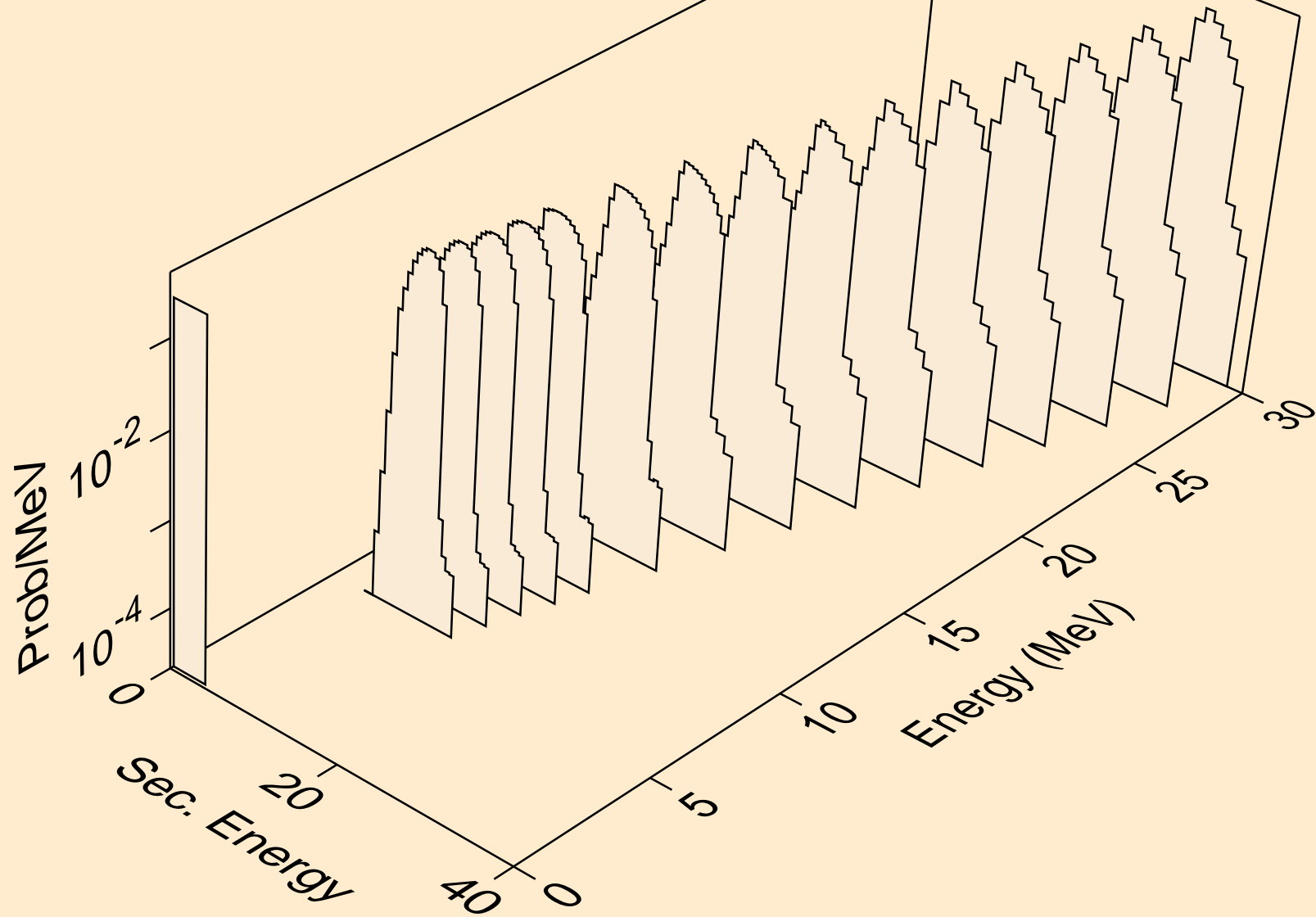
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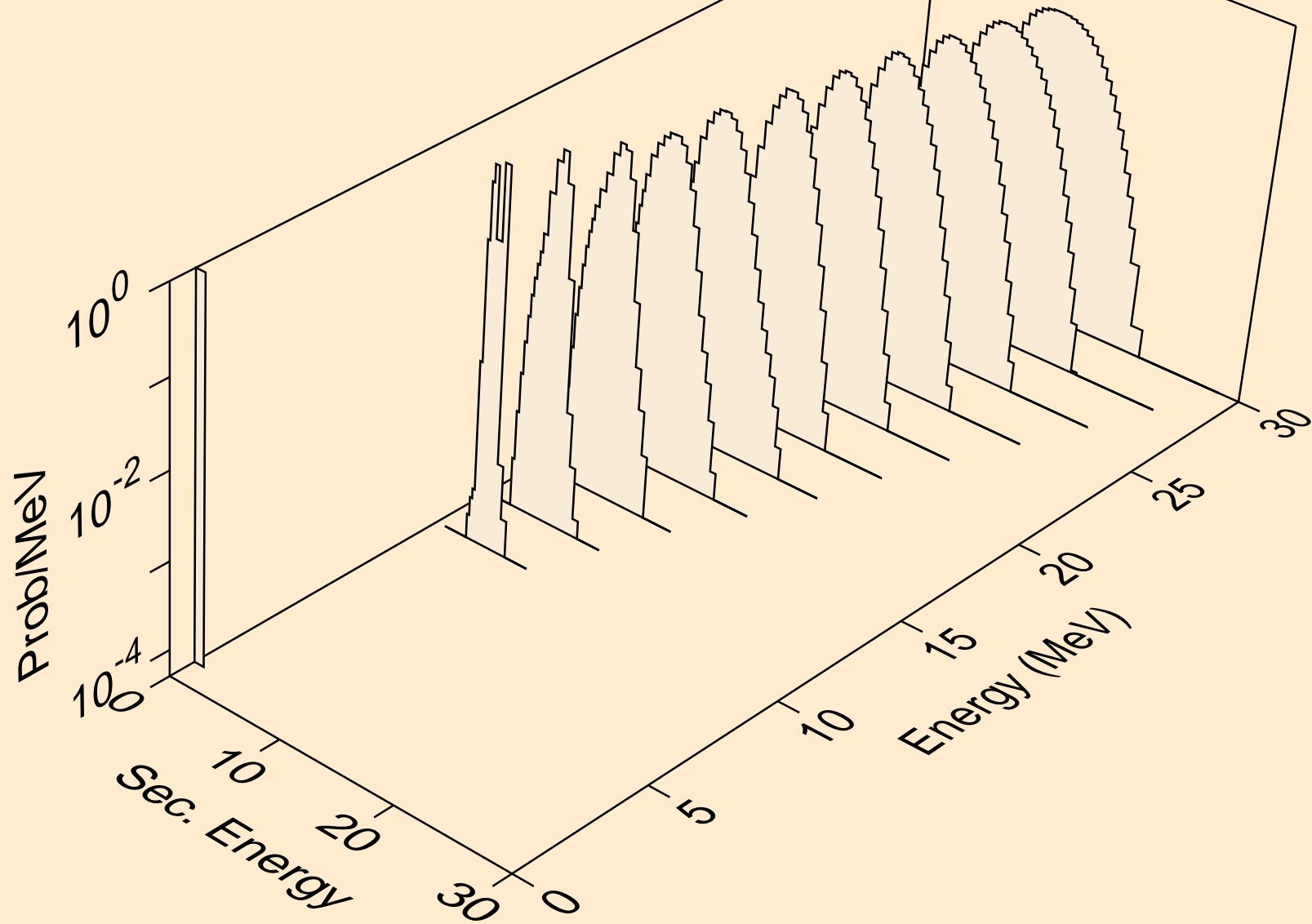
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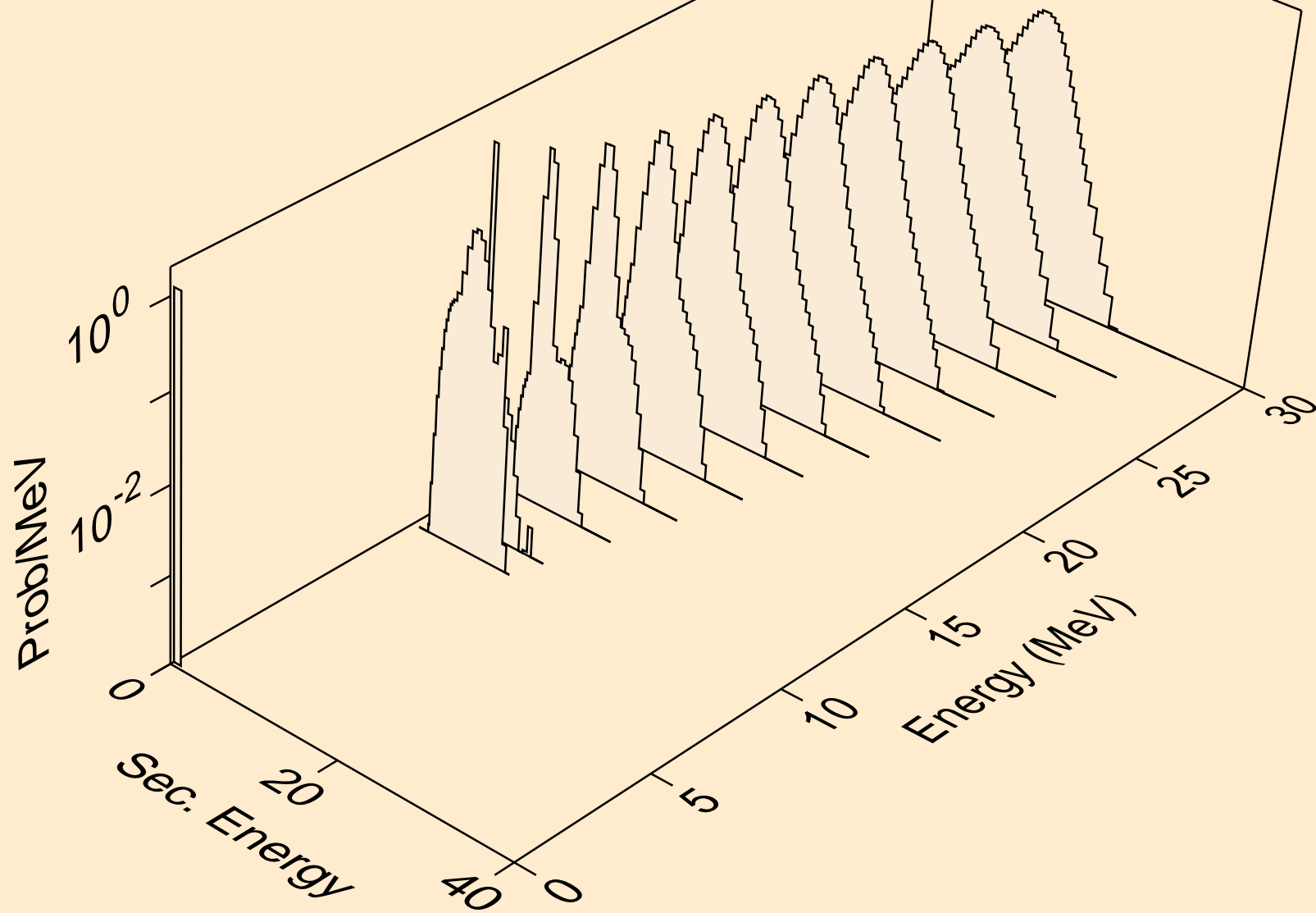
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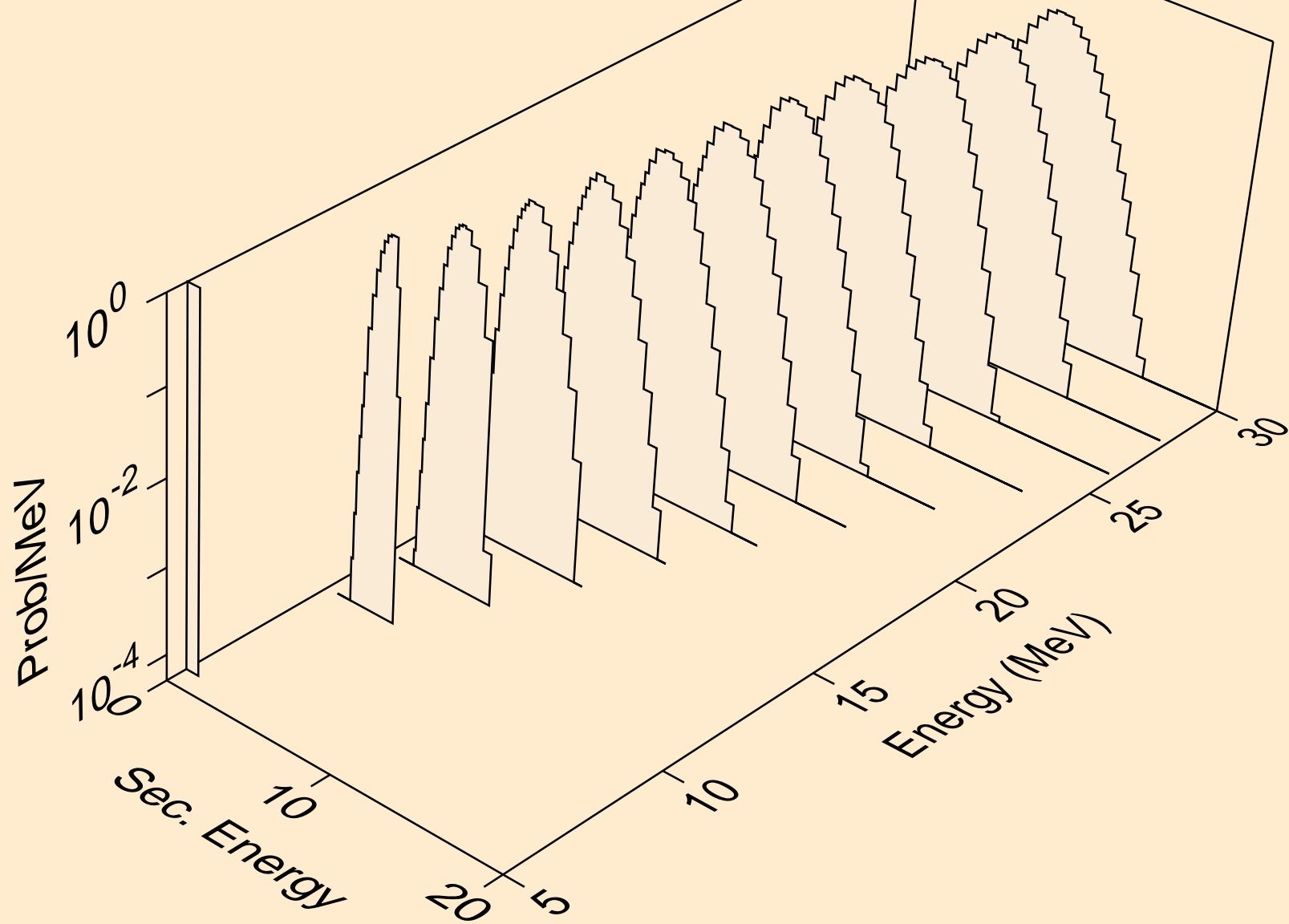
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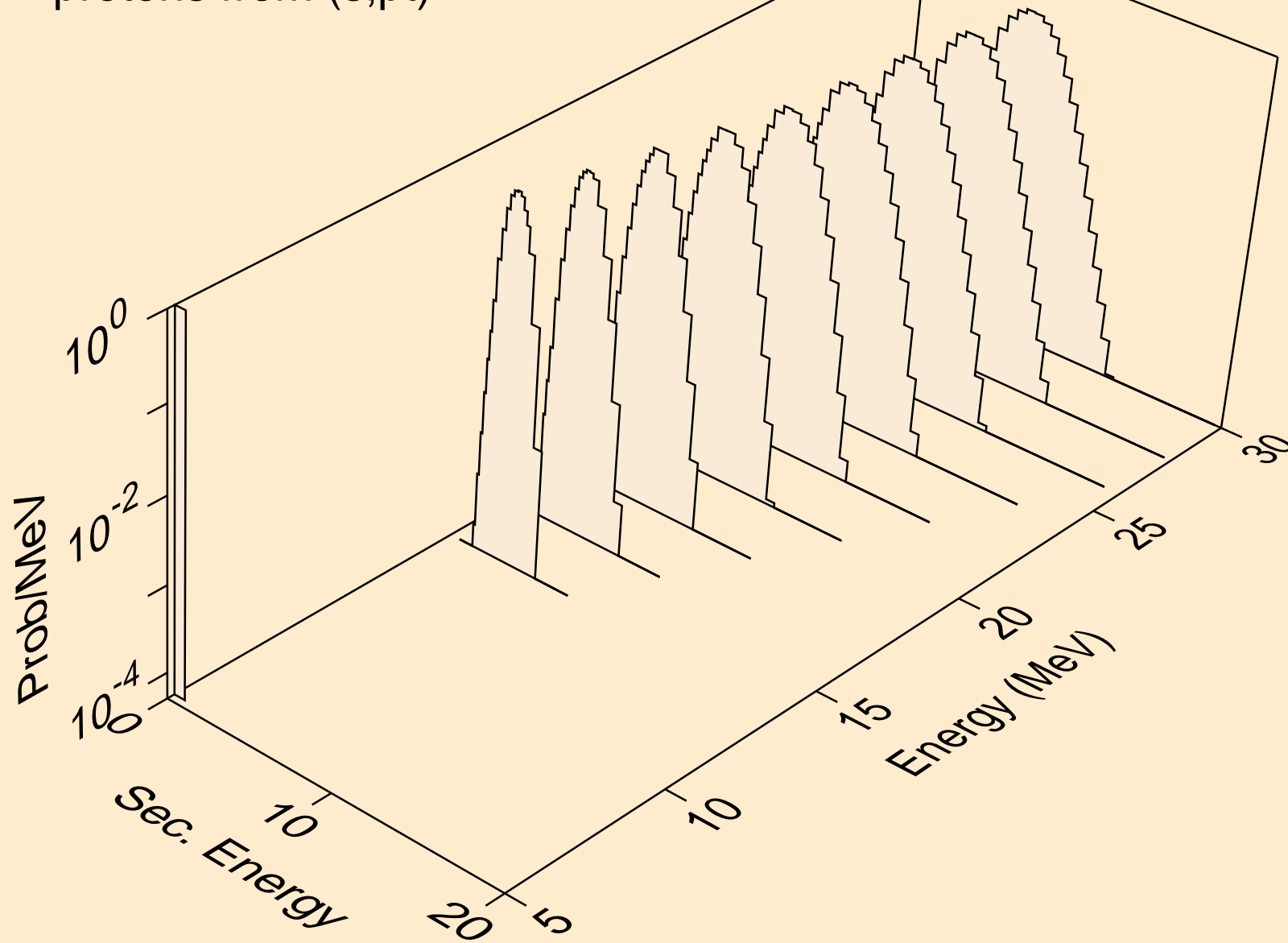
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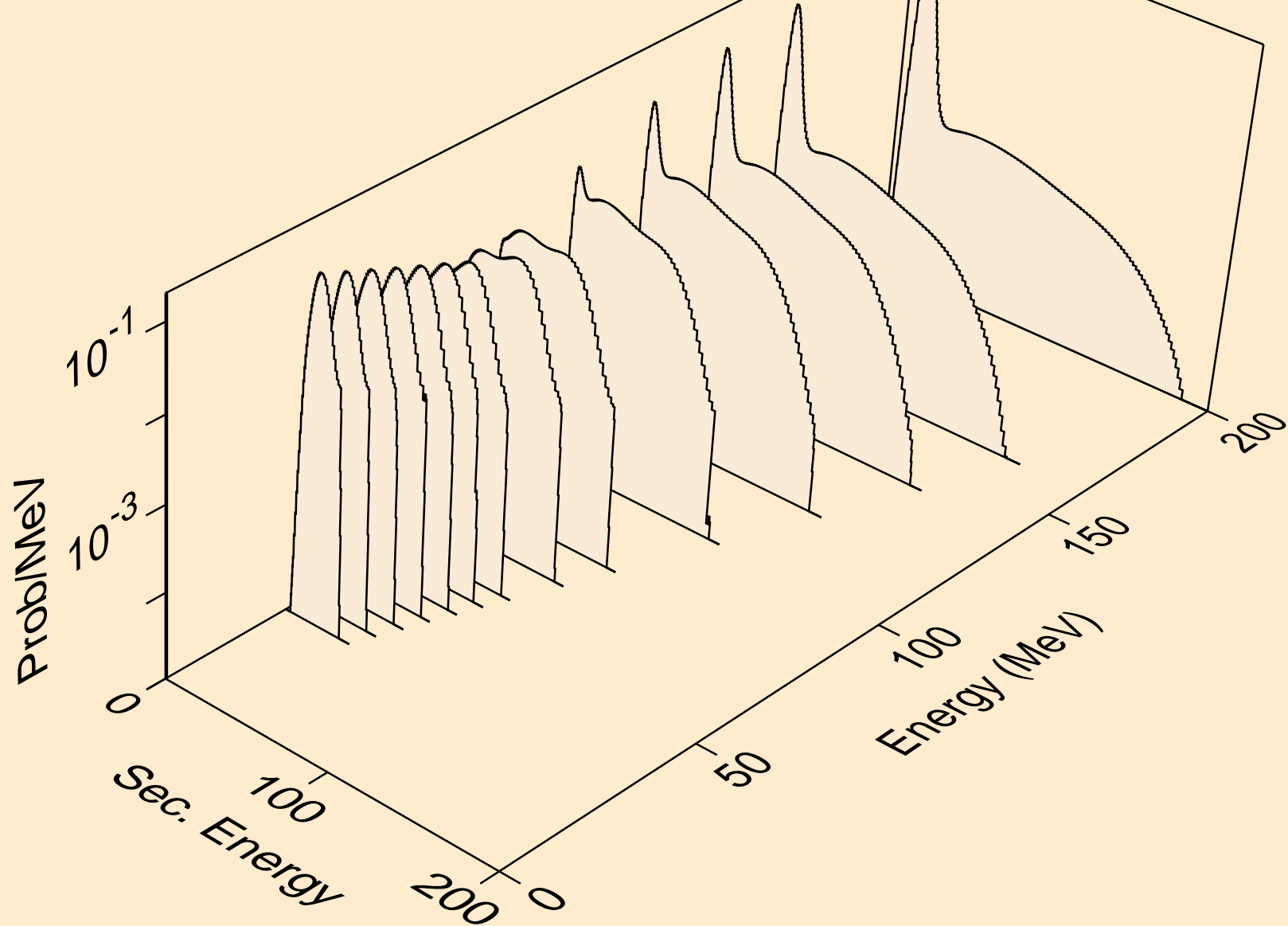
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EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pt)

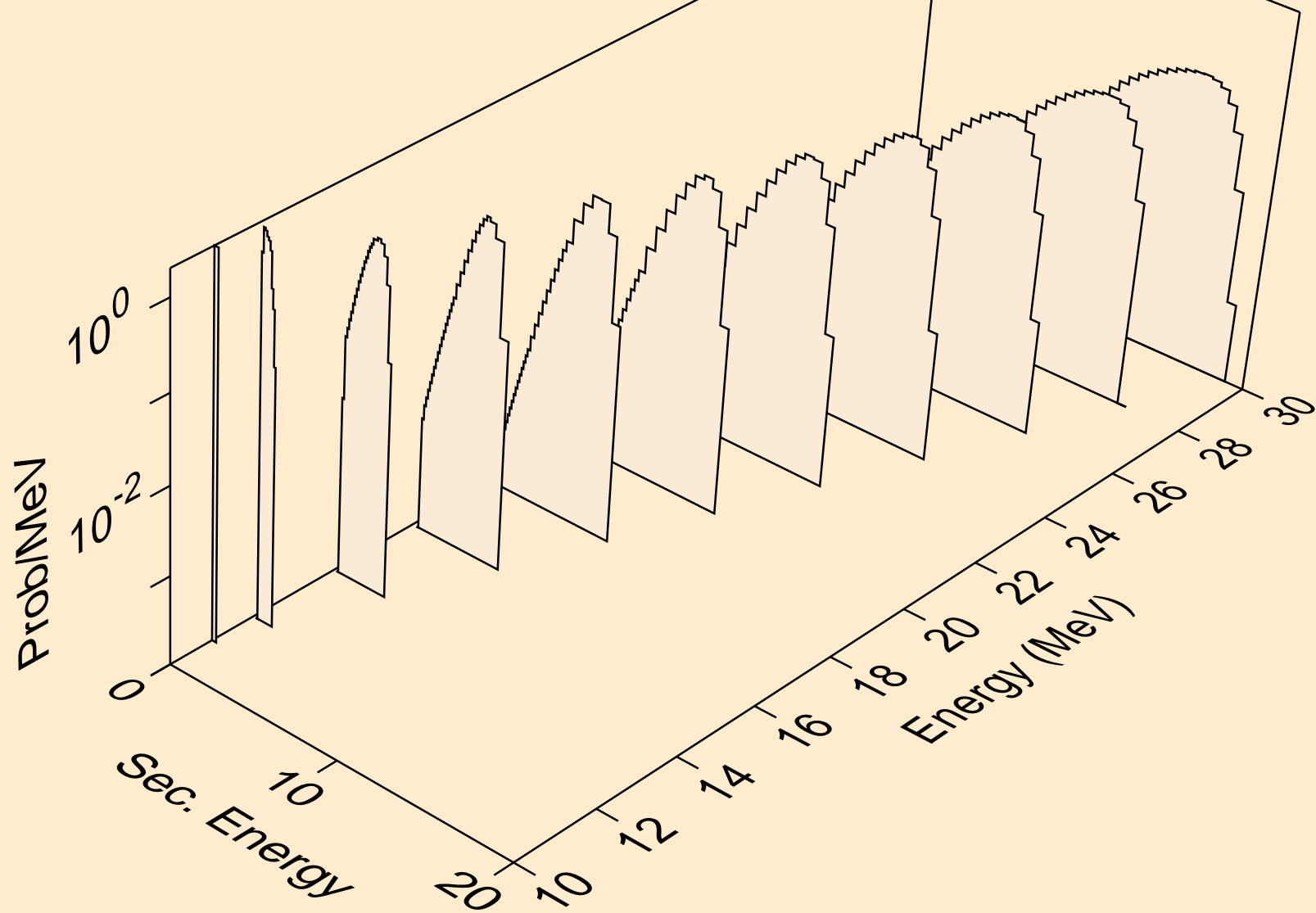


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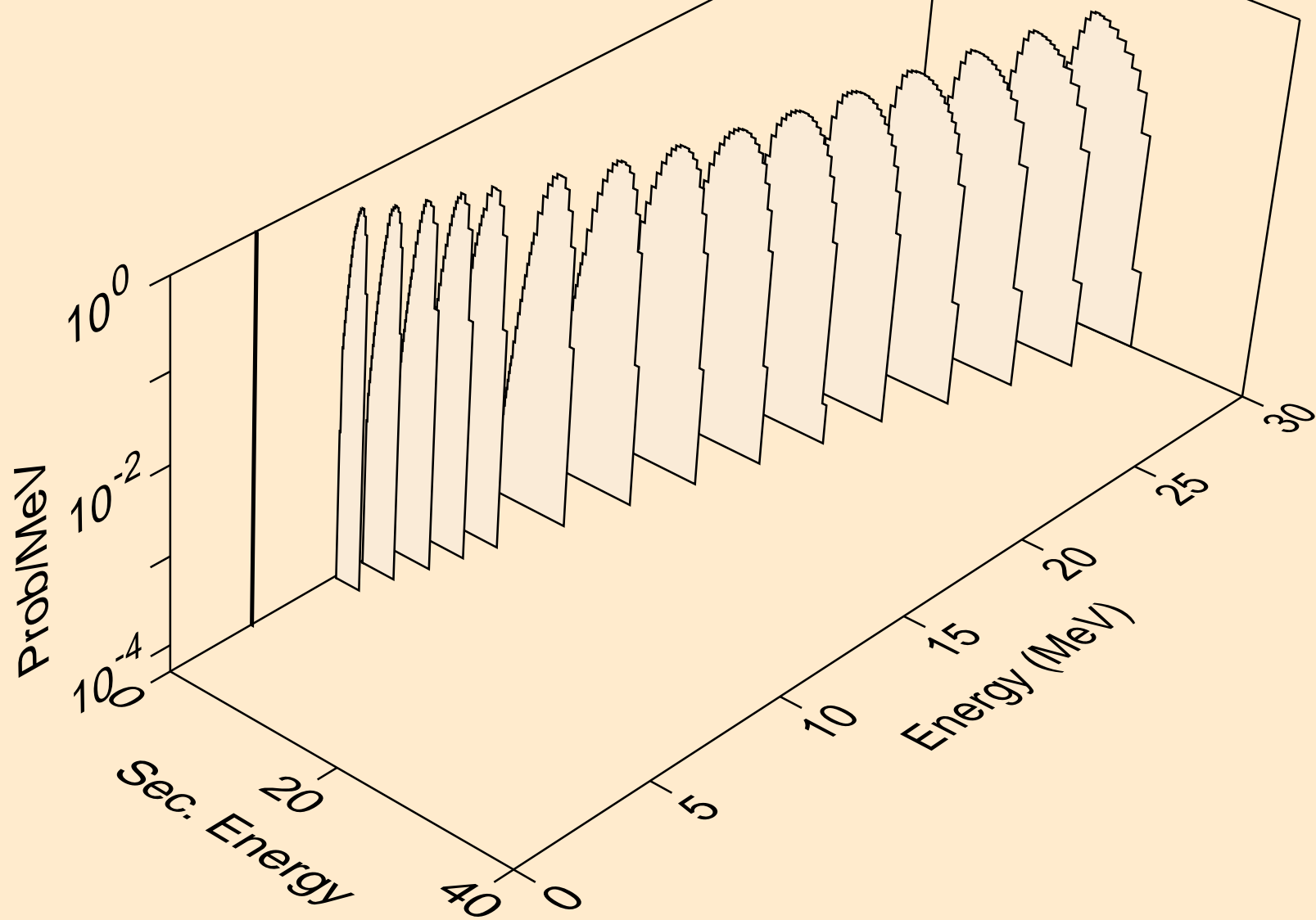




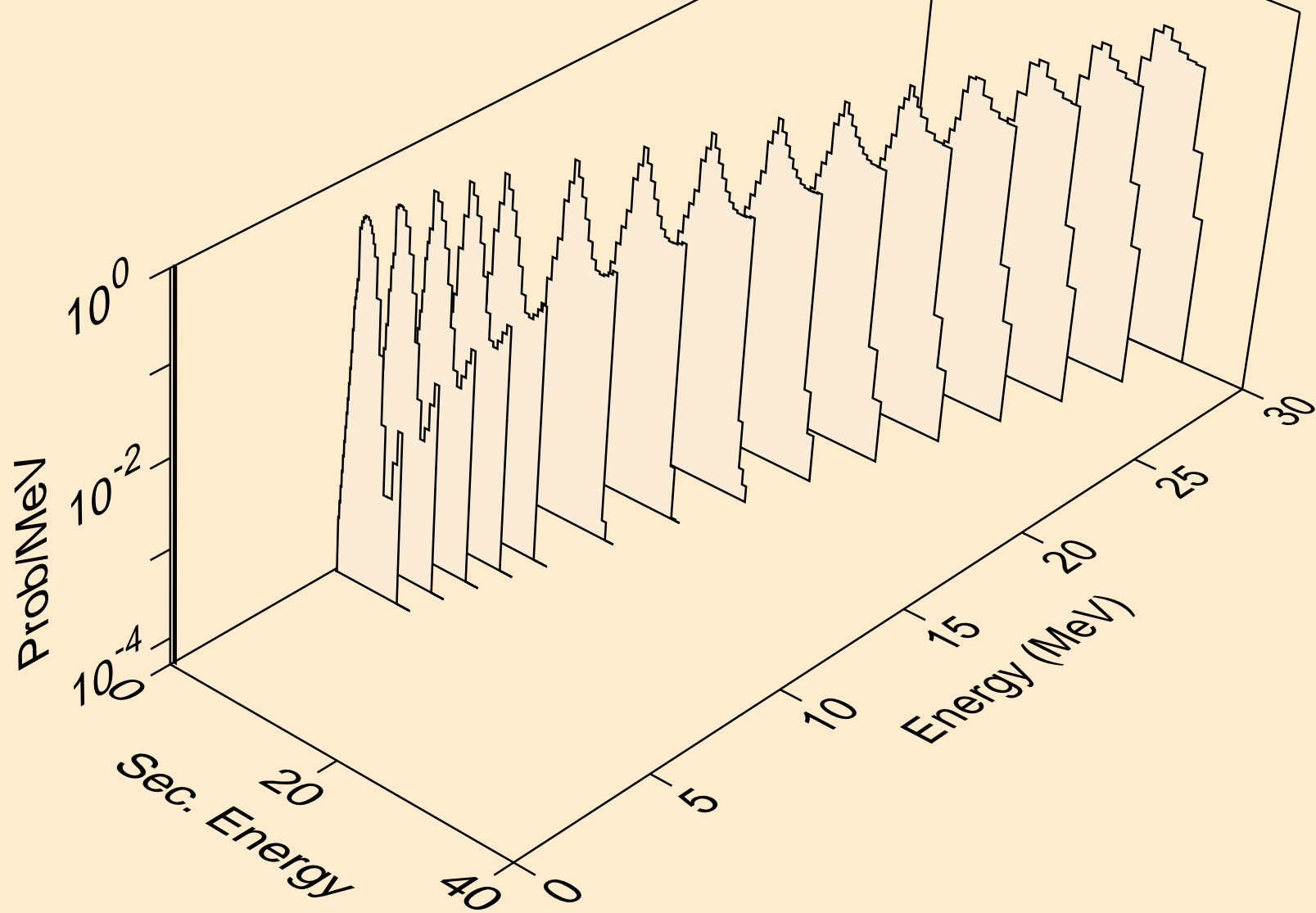
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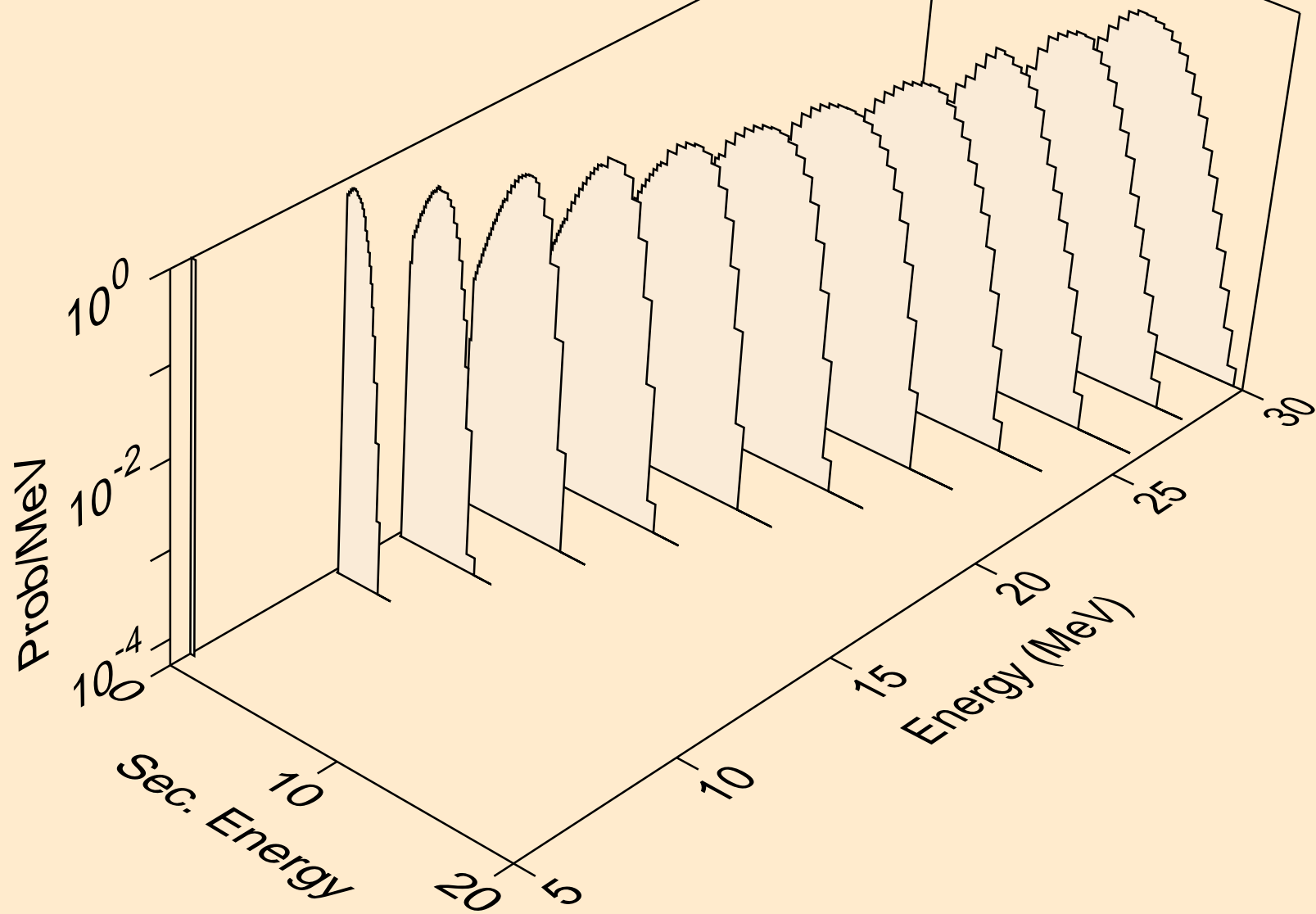
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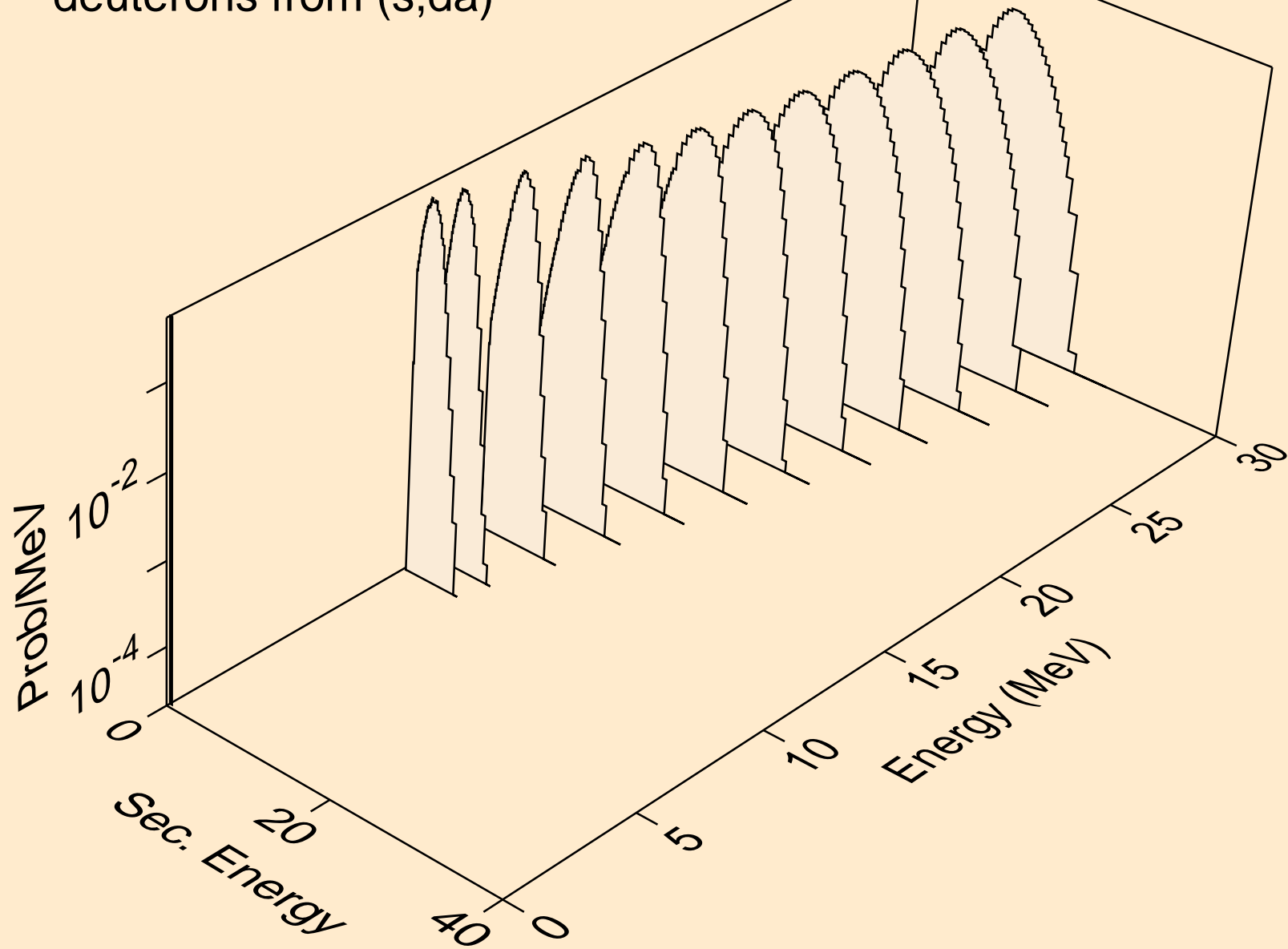
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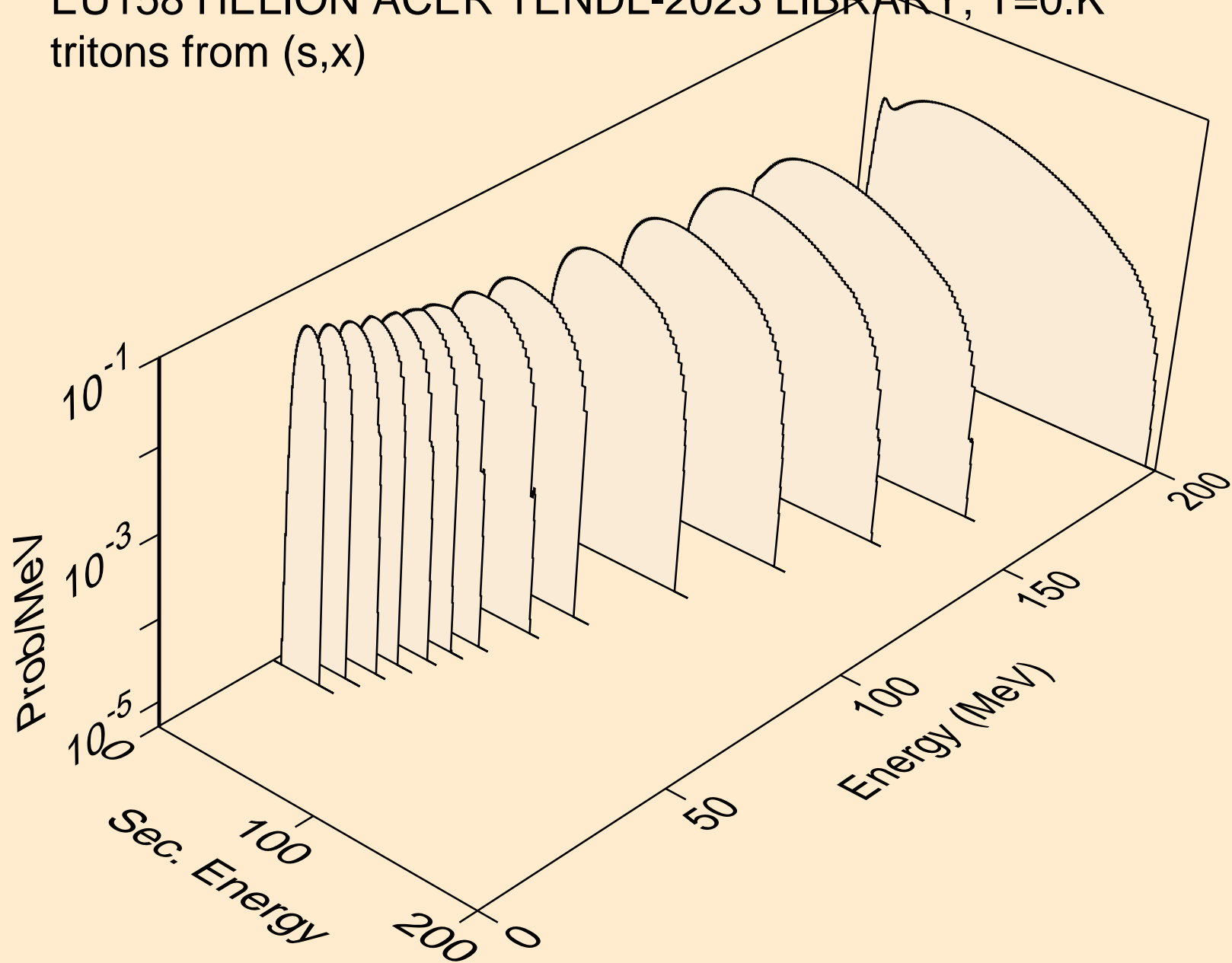
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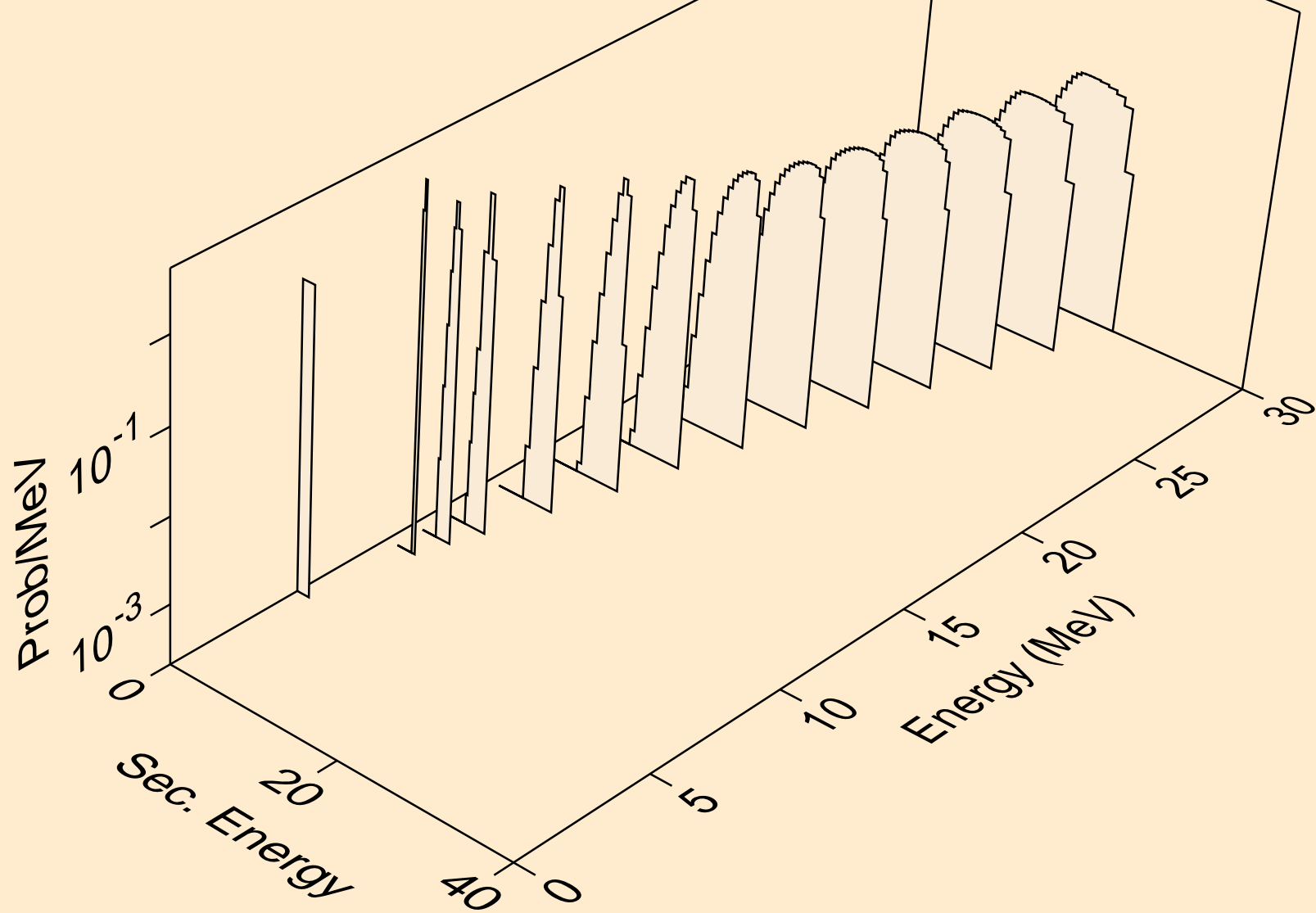
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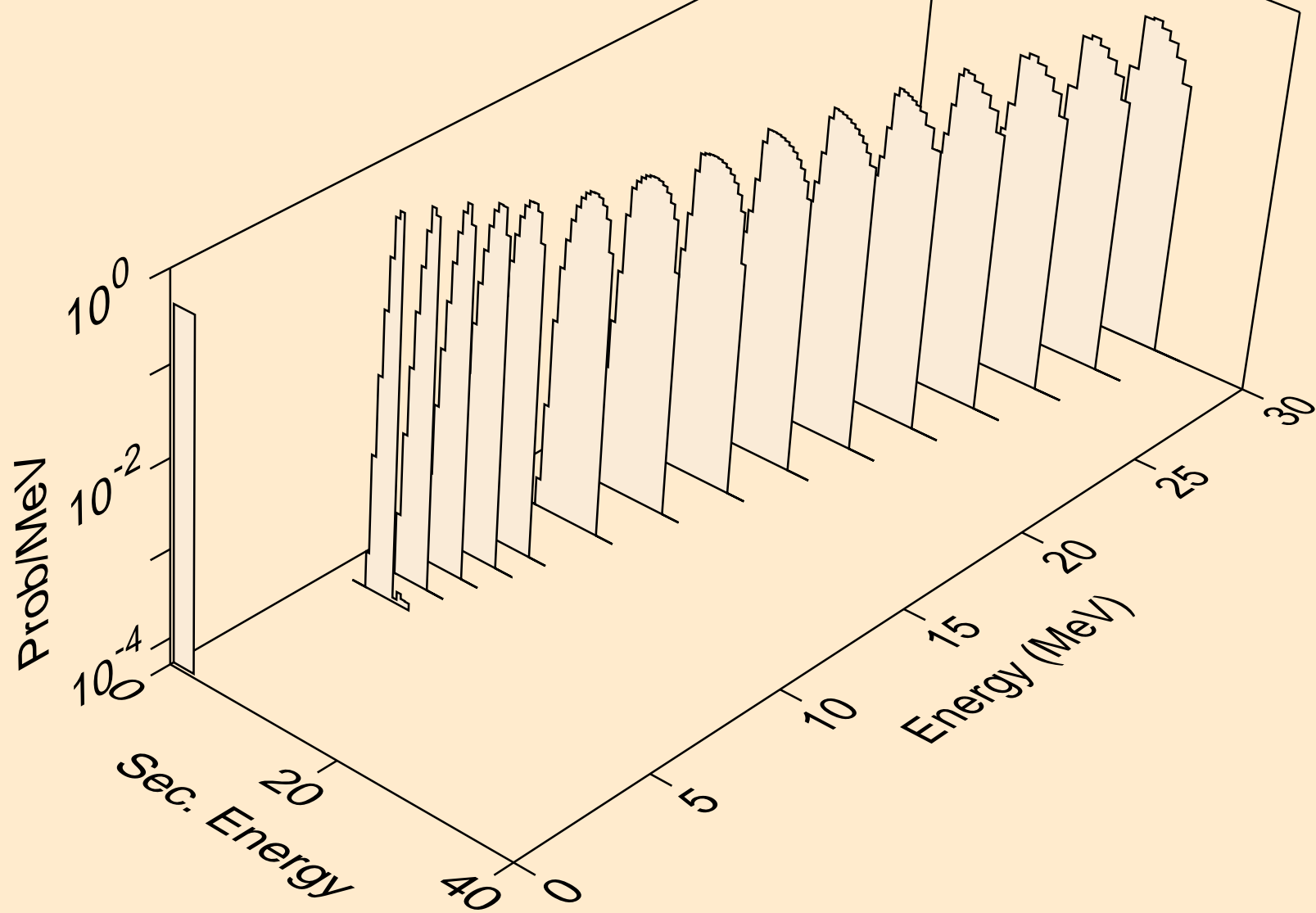
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tritons from (s,x)



EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,n\*)t

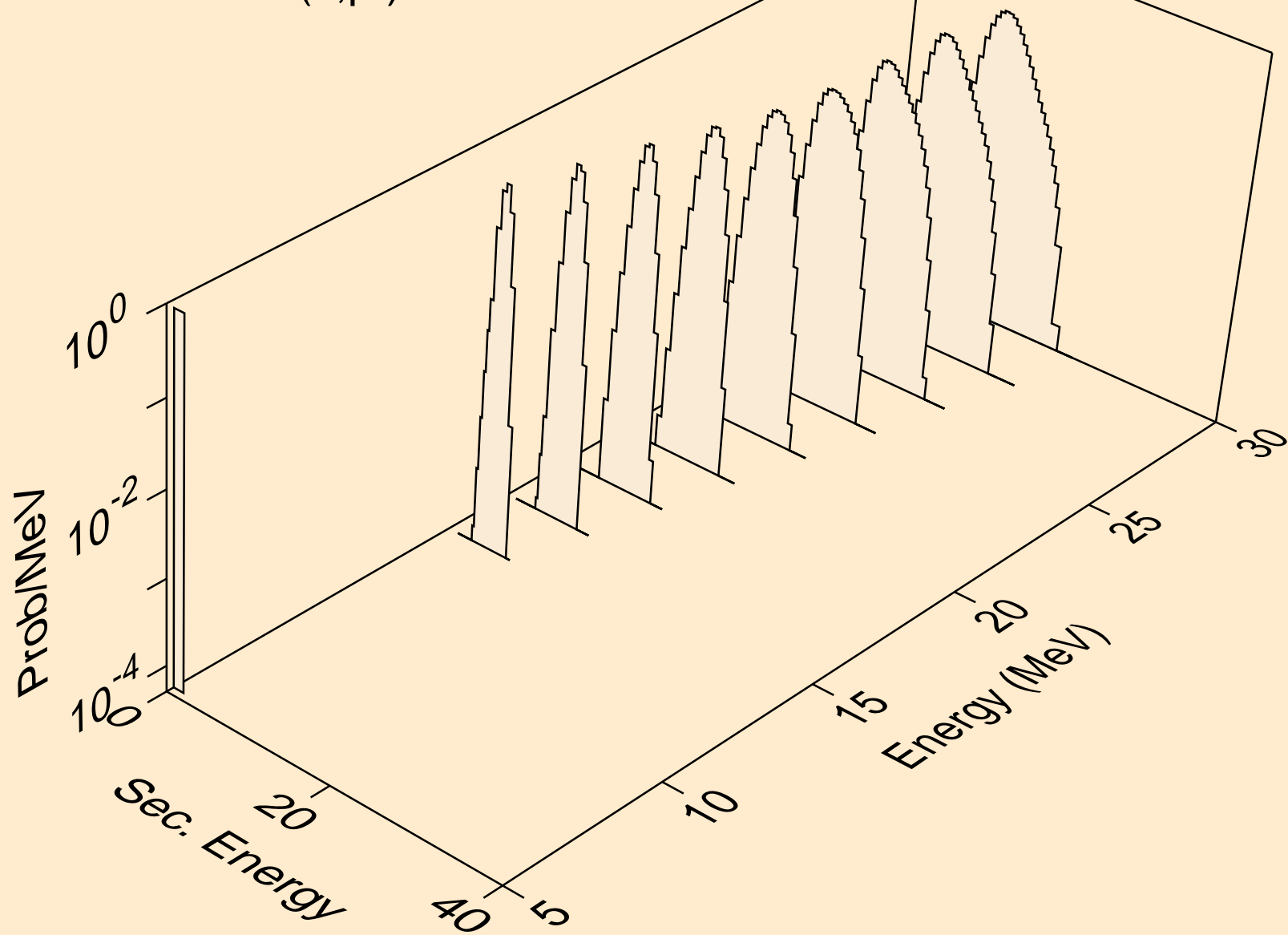


EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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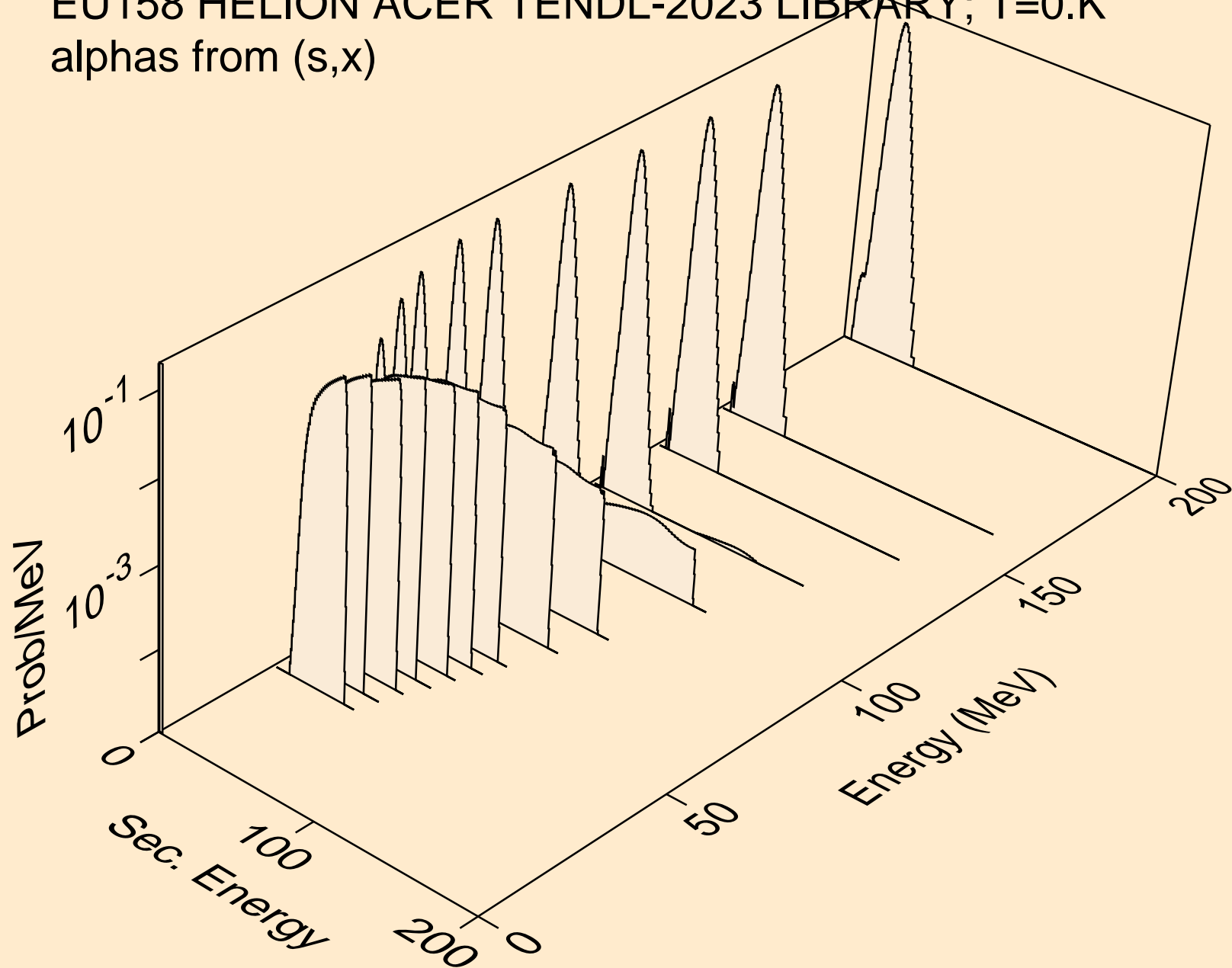




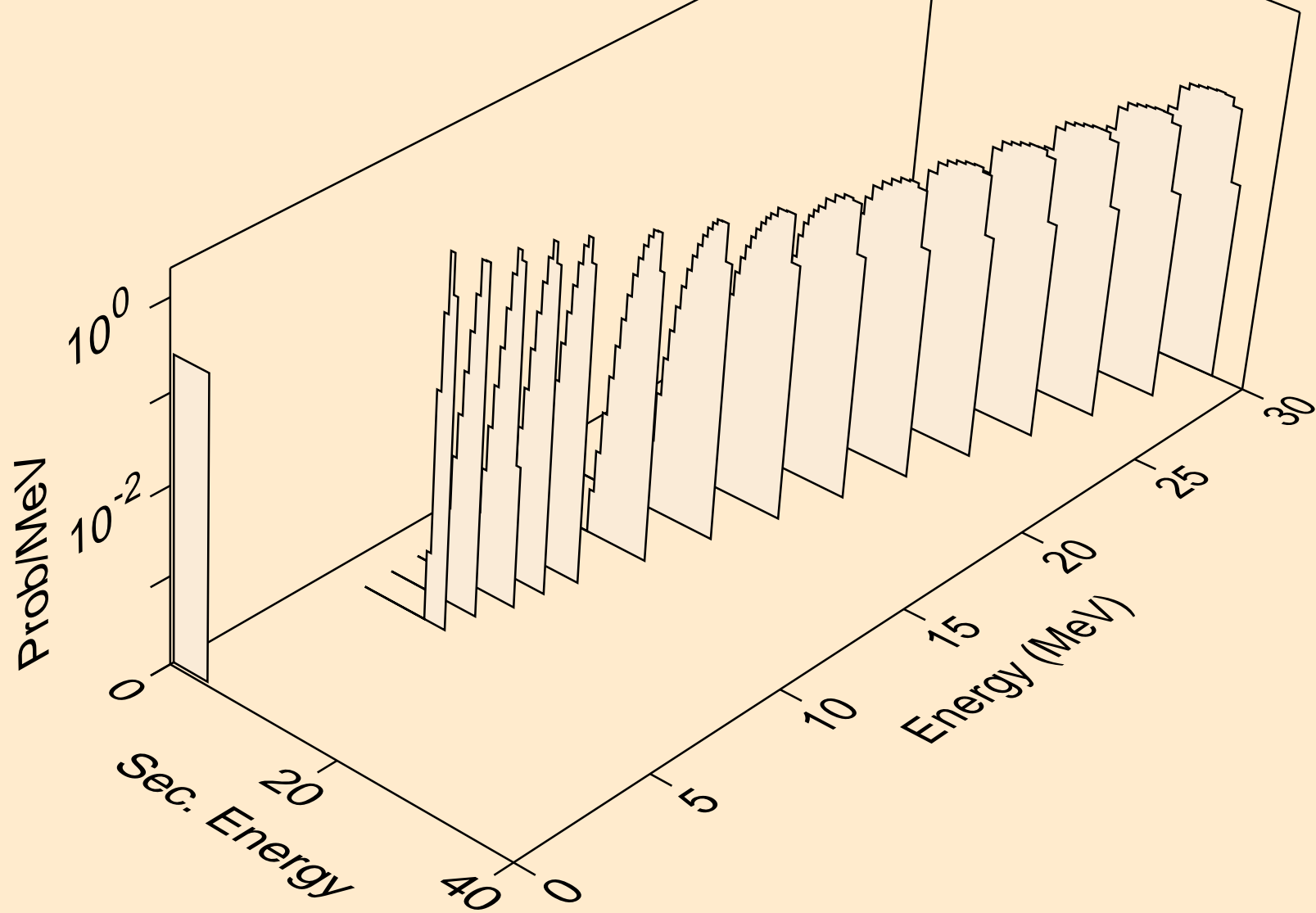
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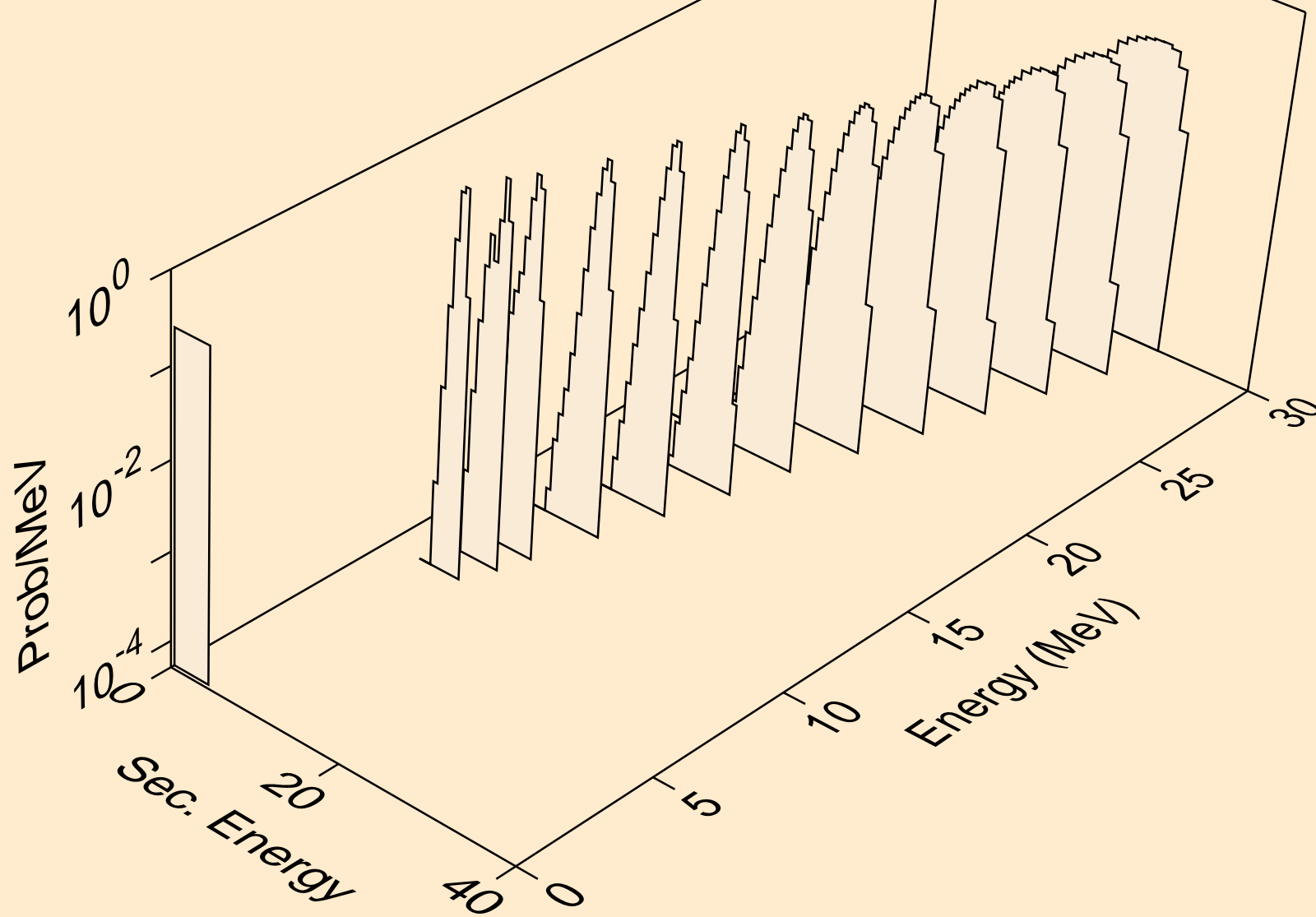
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alphas from (s,x)



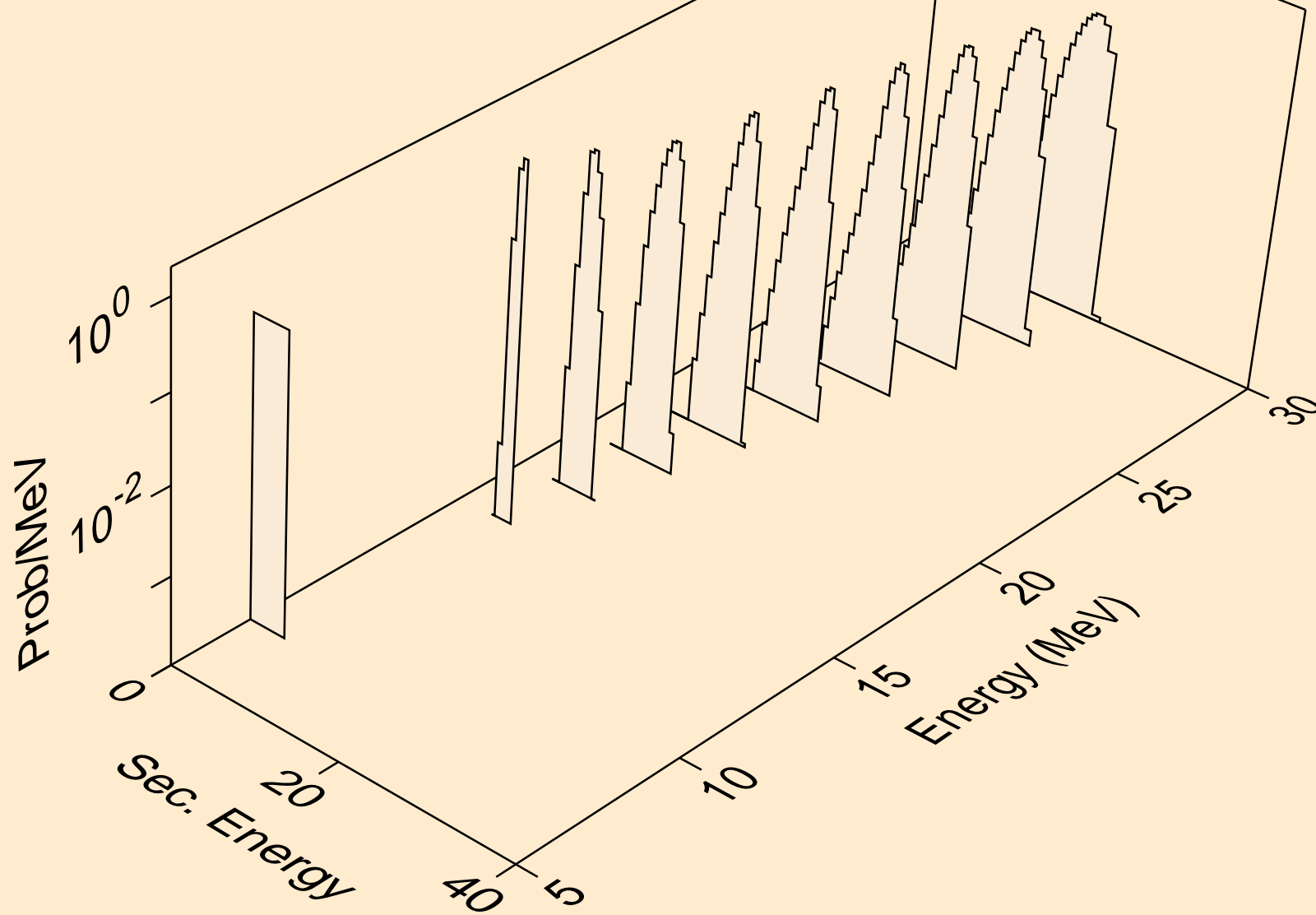
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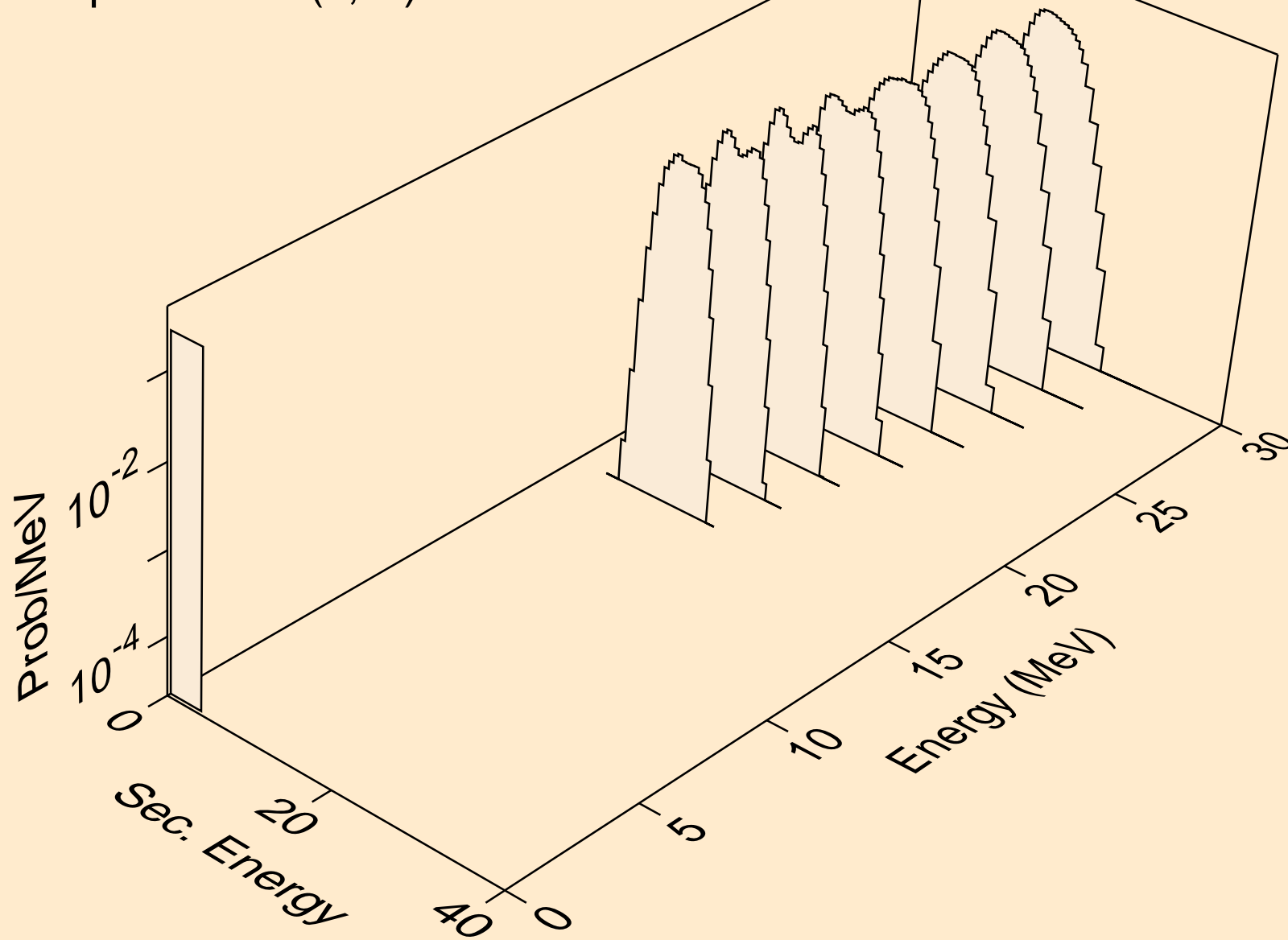
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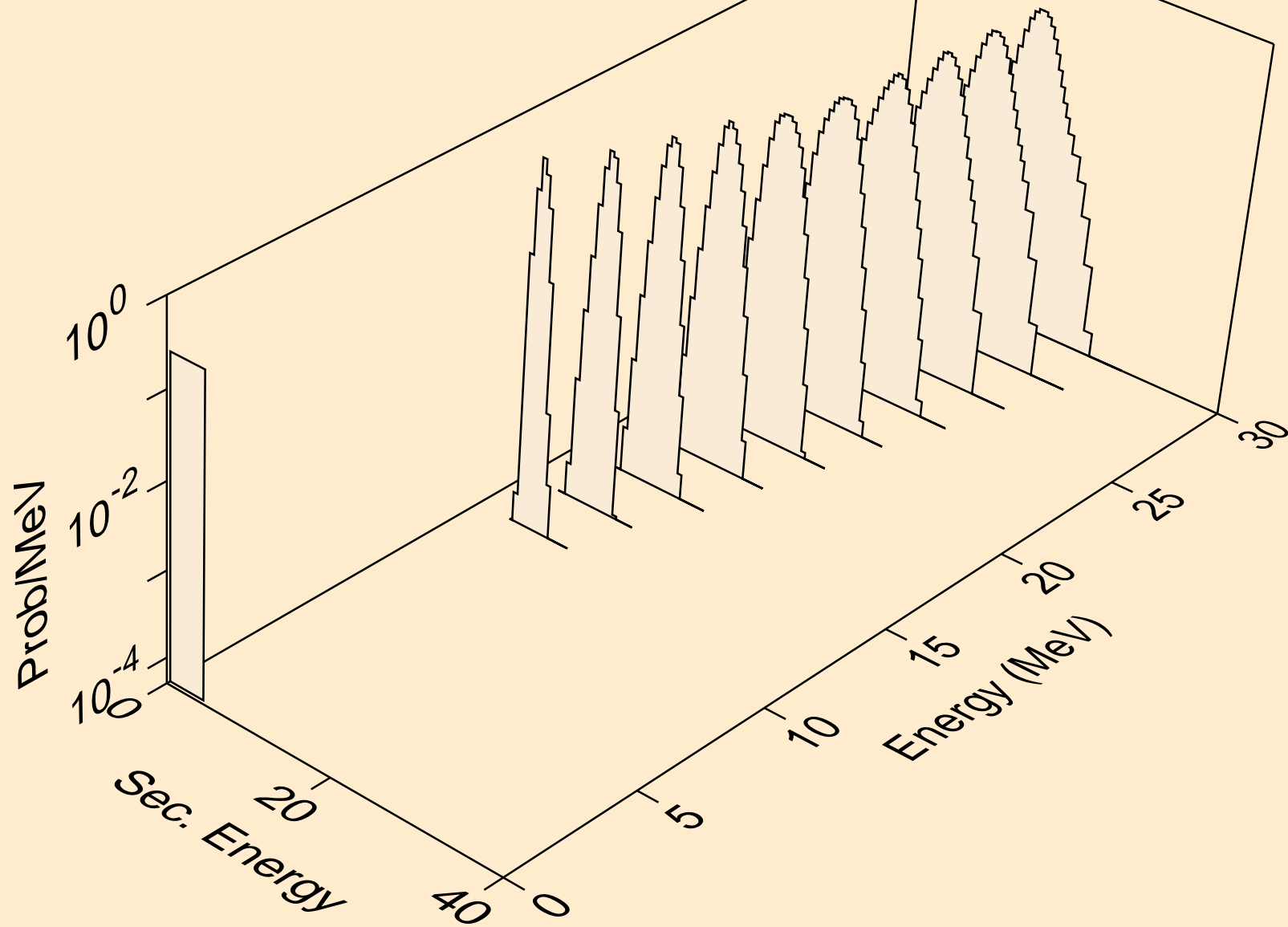
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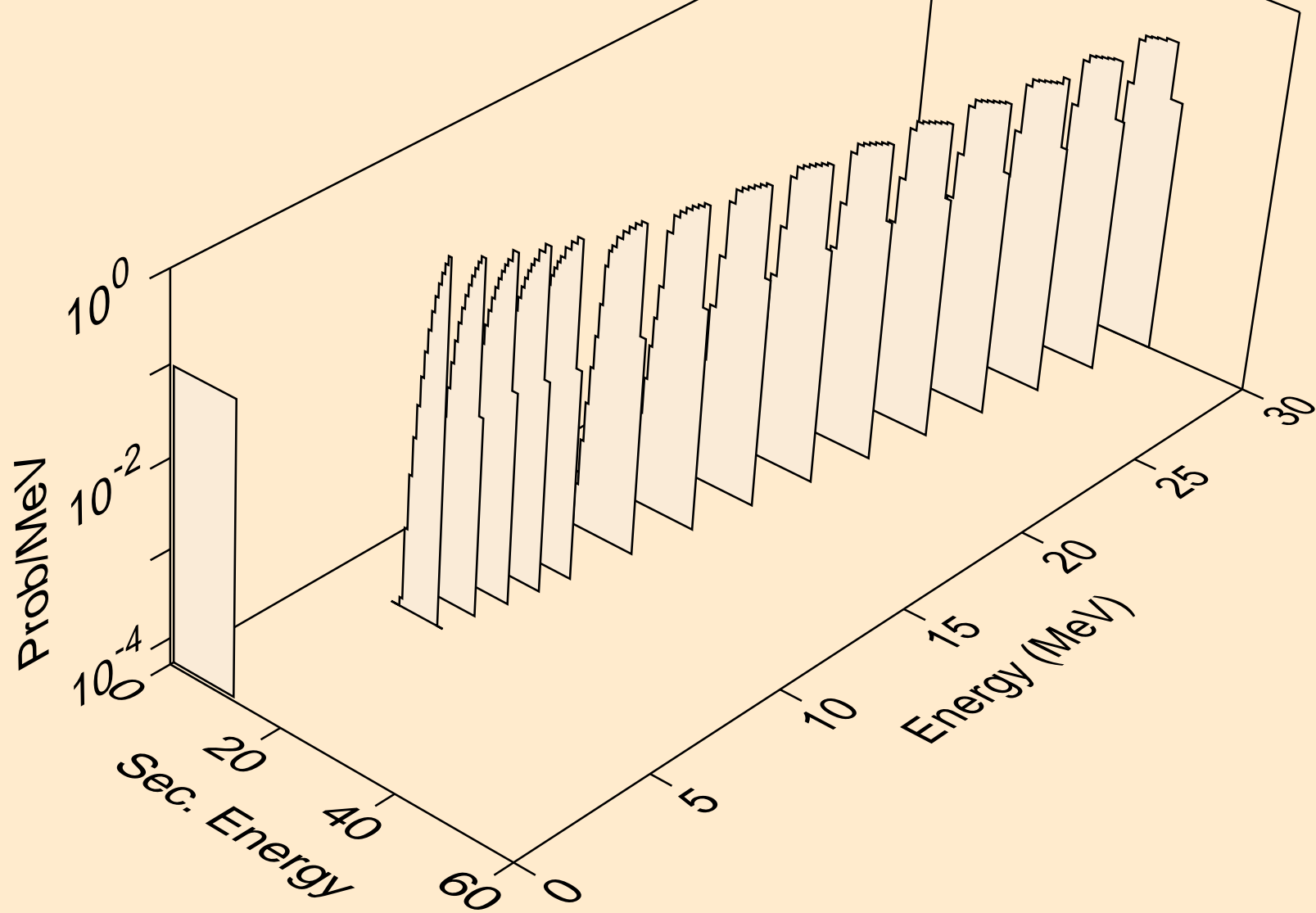
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EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,npa)

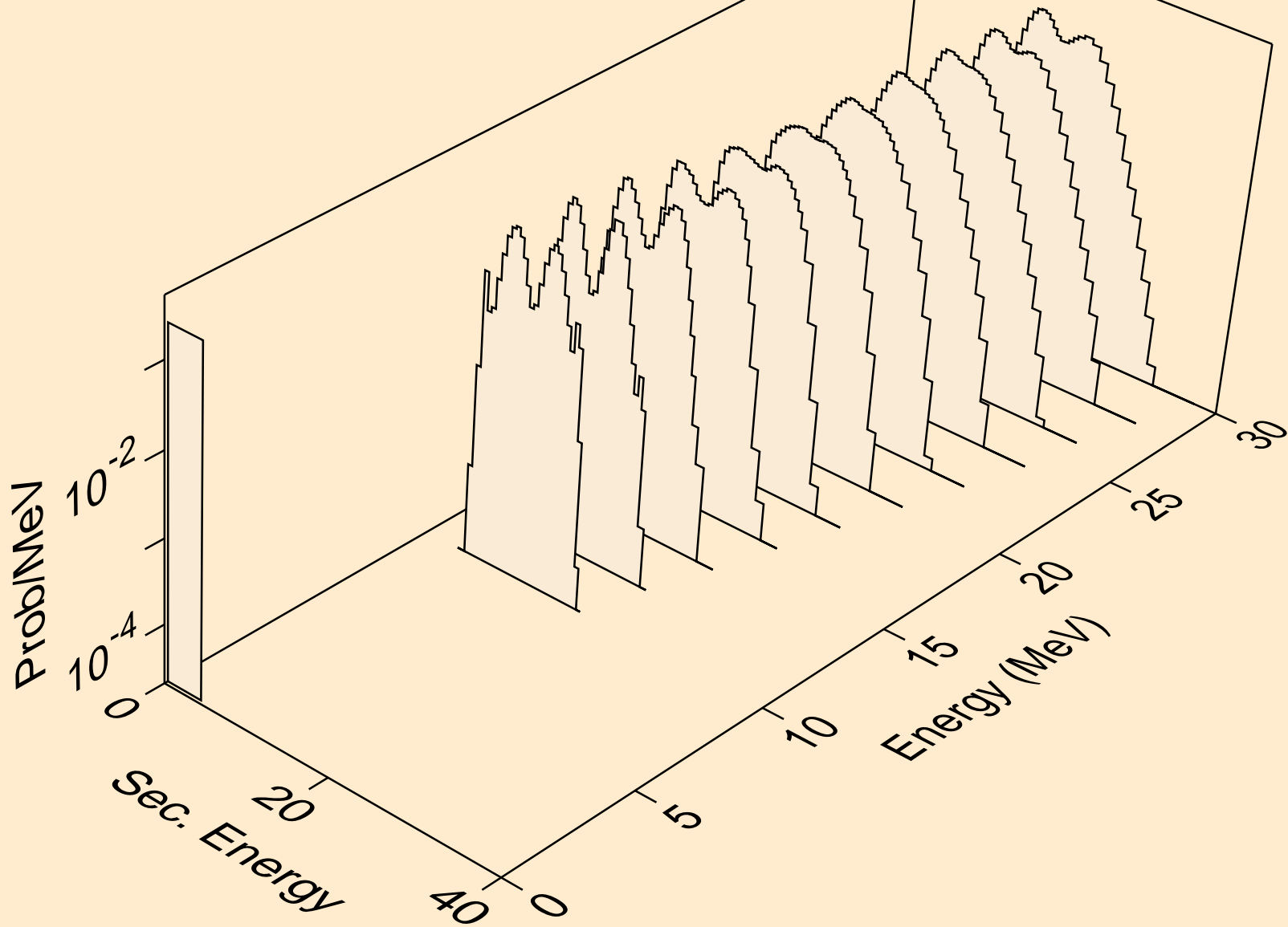


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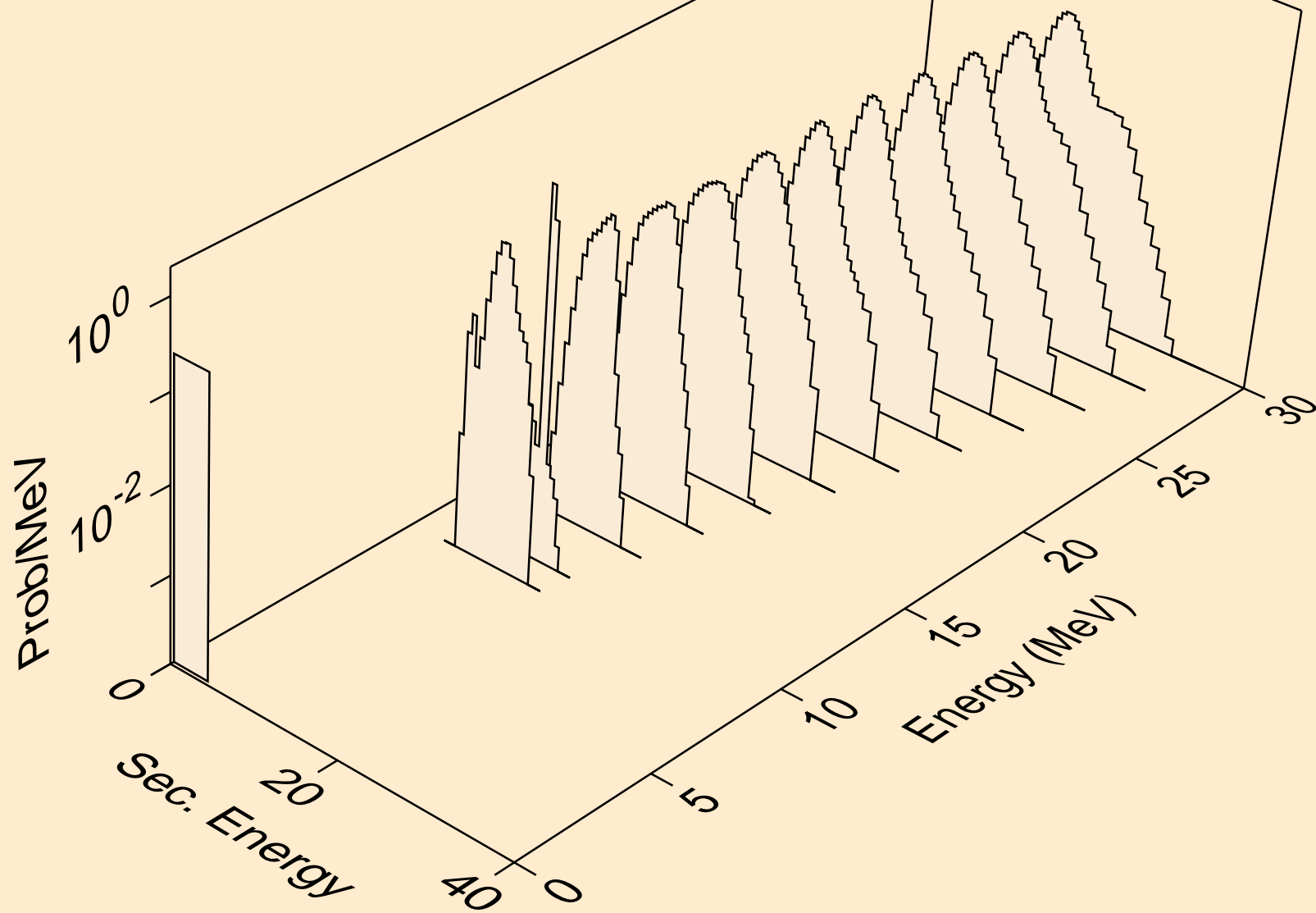




EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)



EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



EU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

