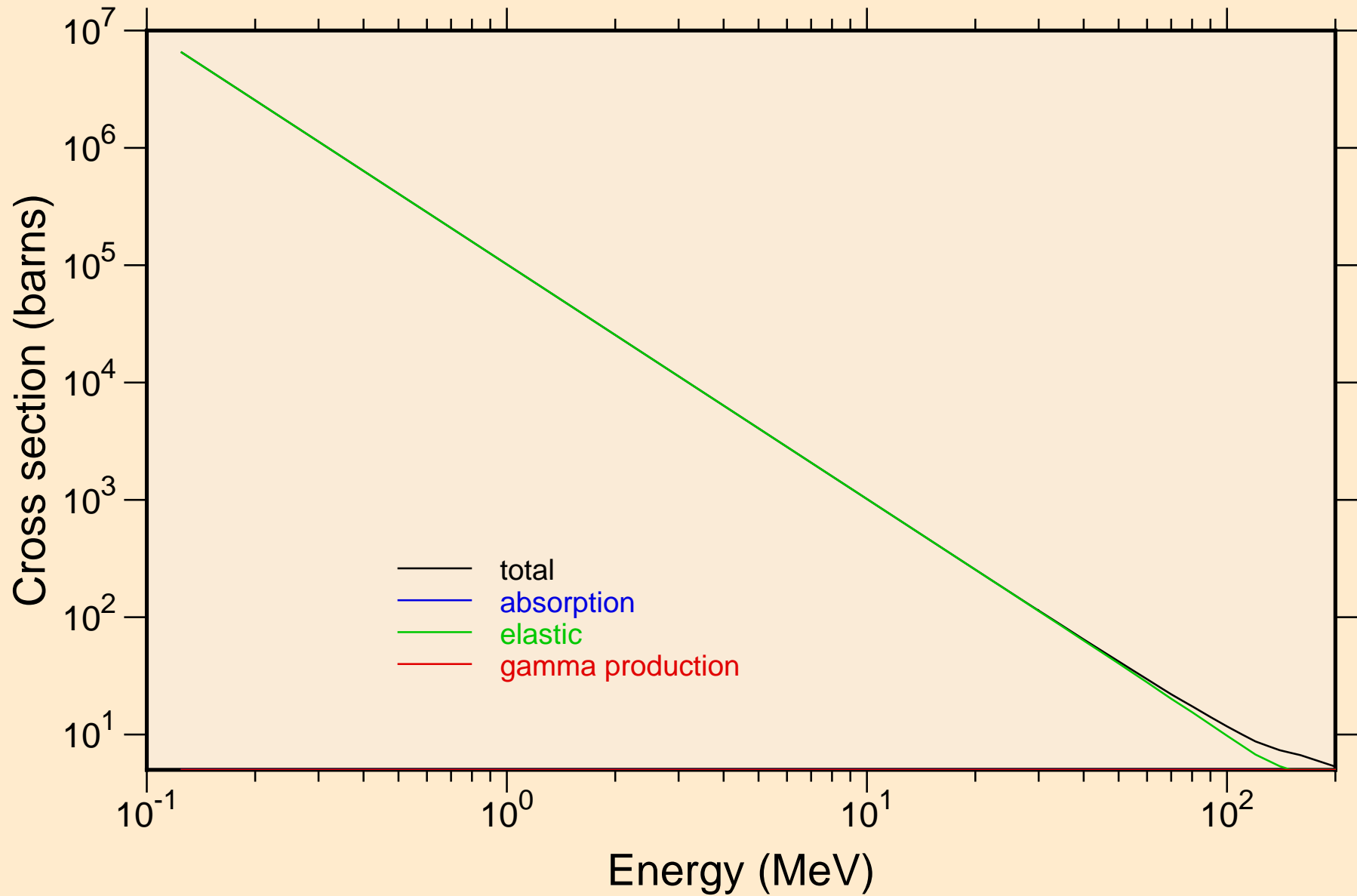


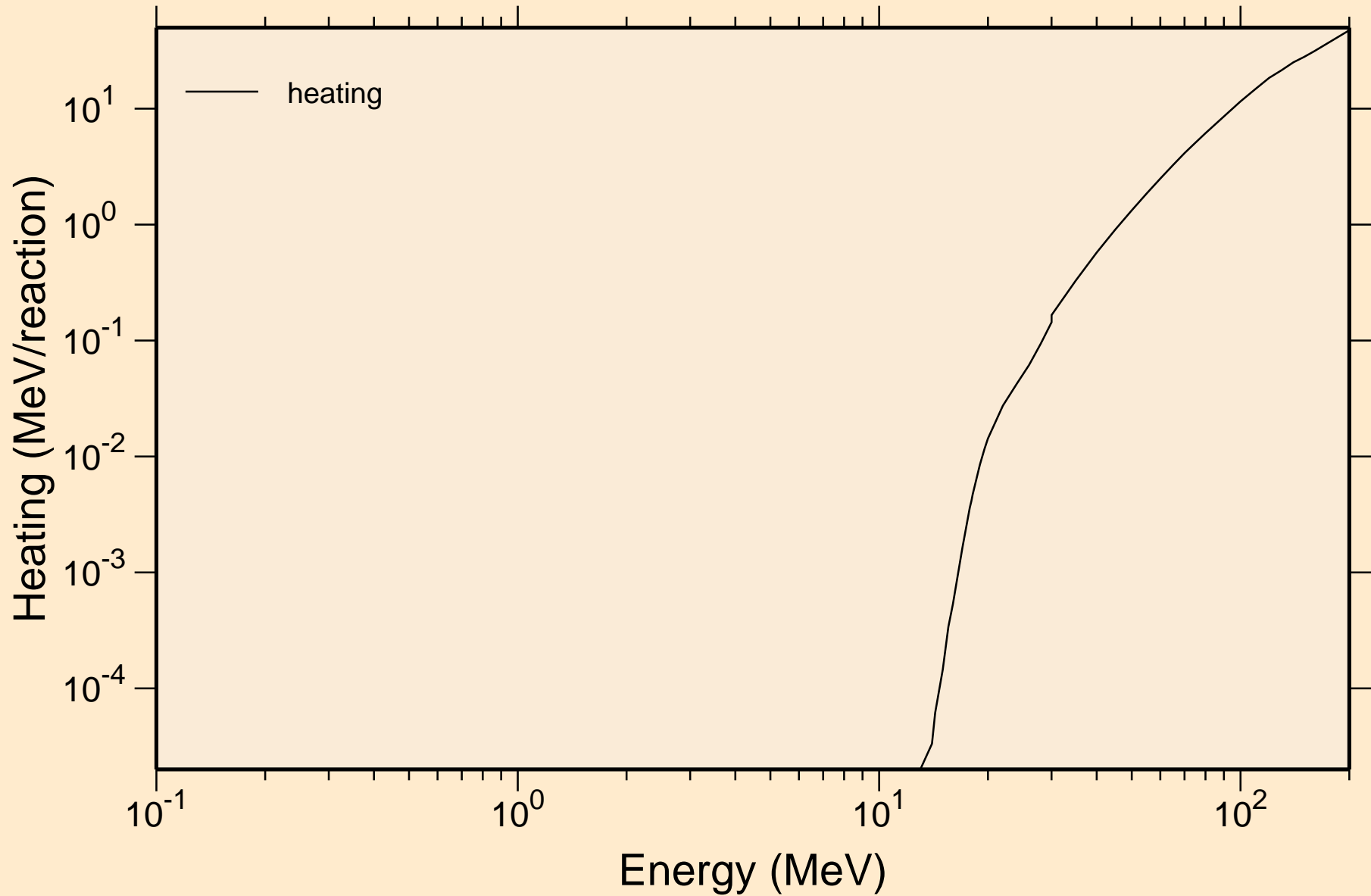
# EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



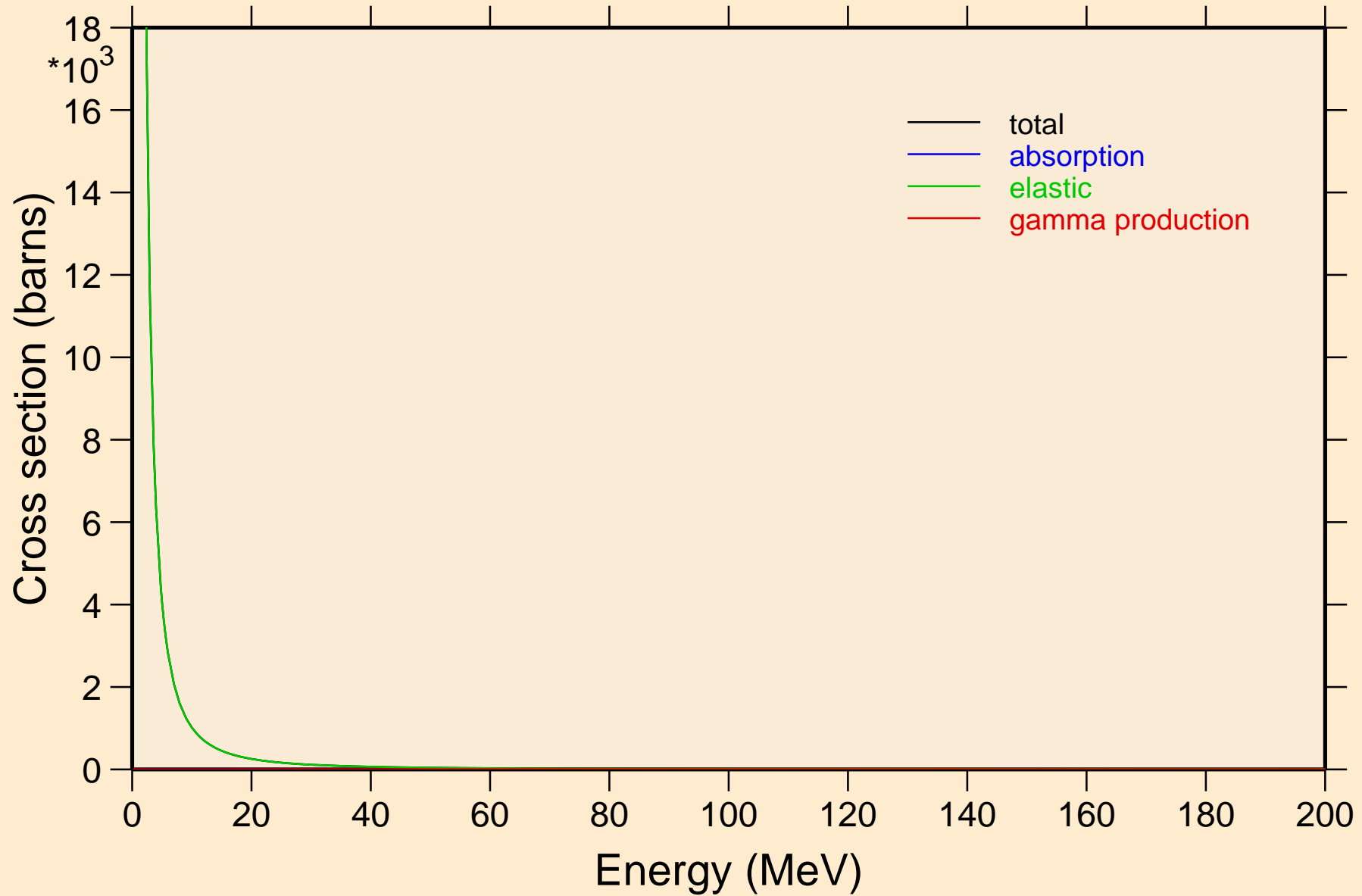
# EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Heating



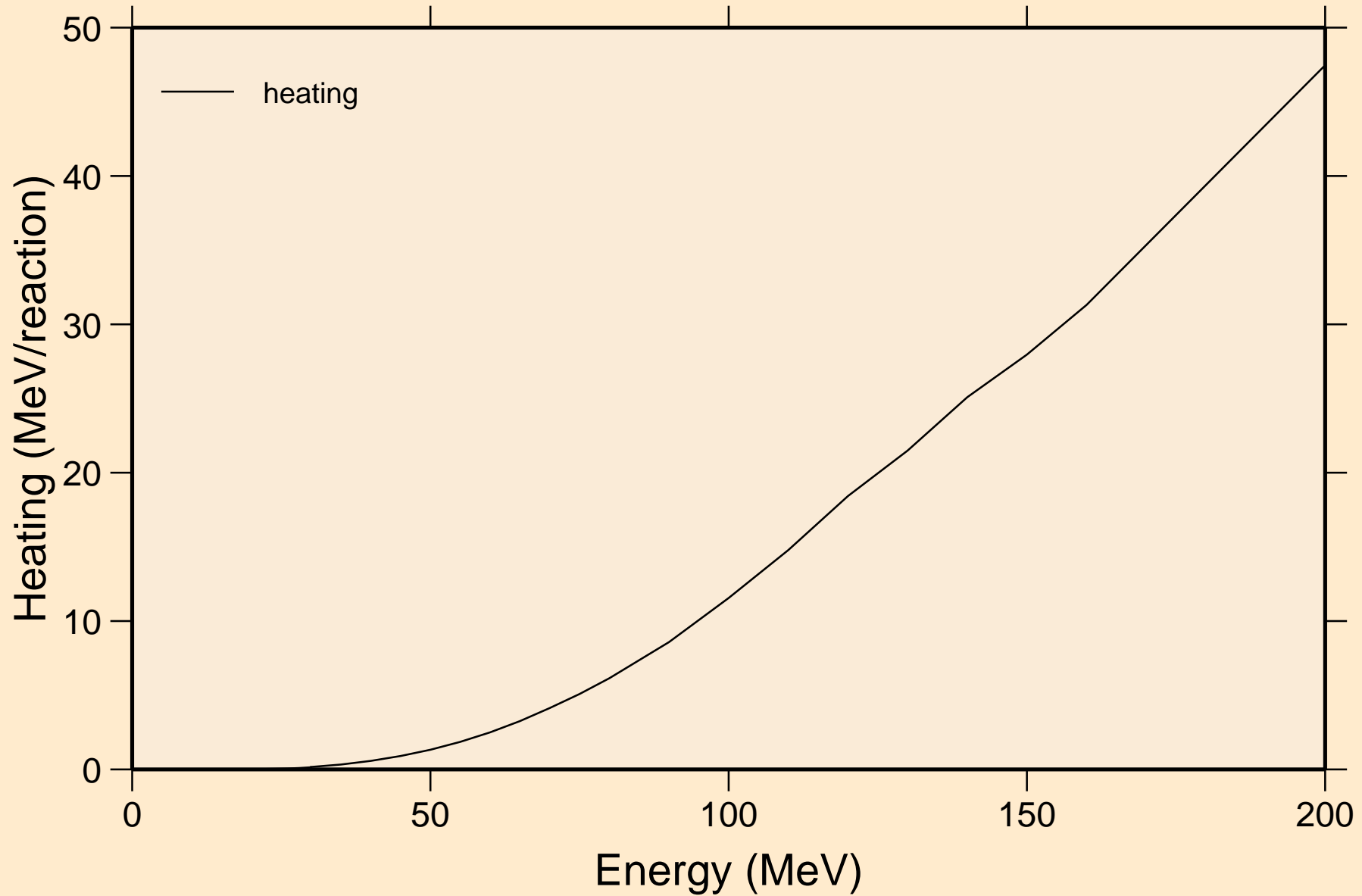
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## Principal cross sections



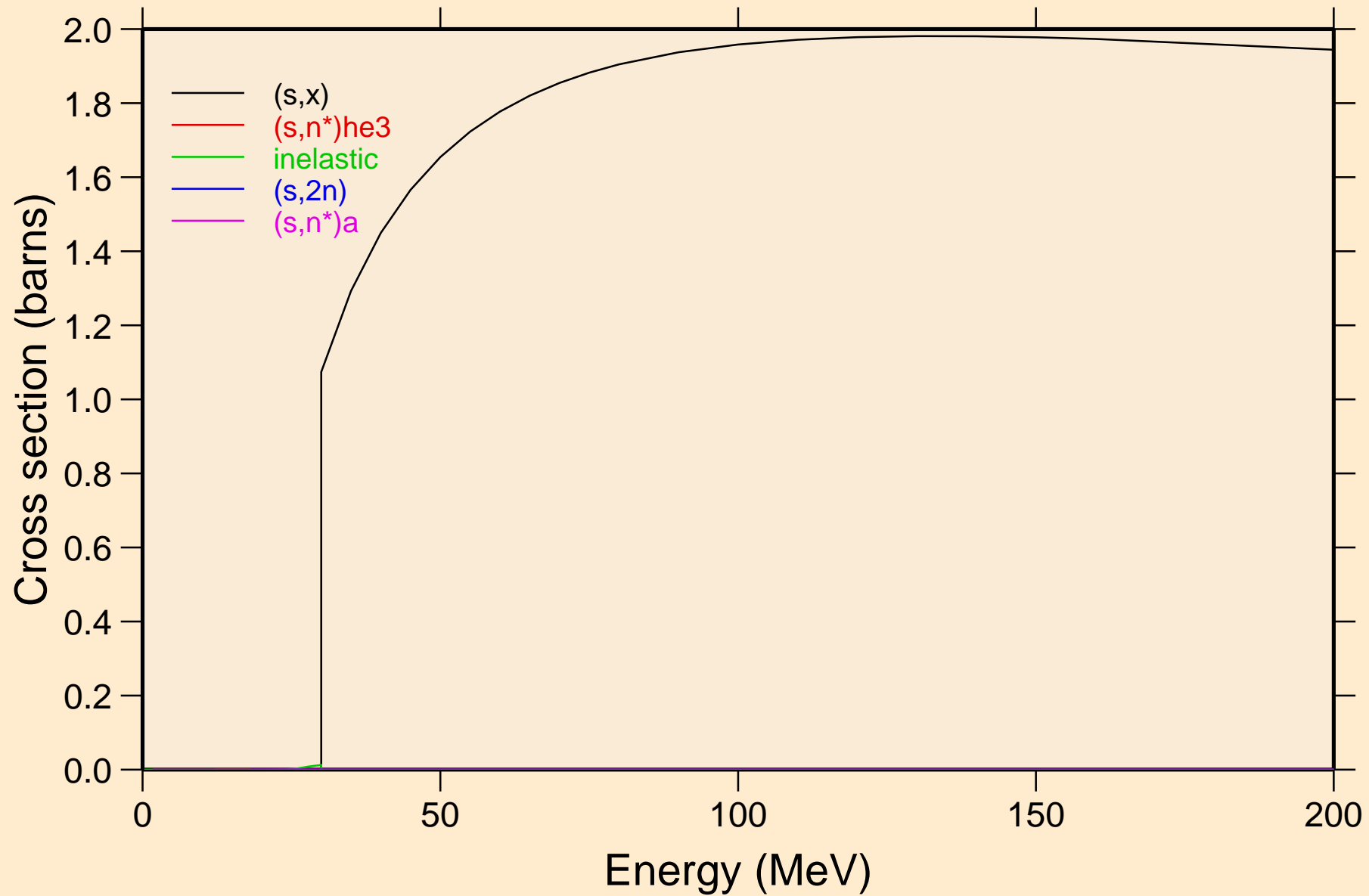
# EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Heating

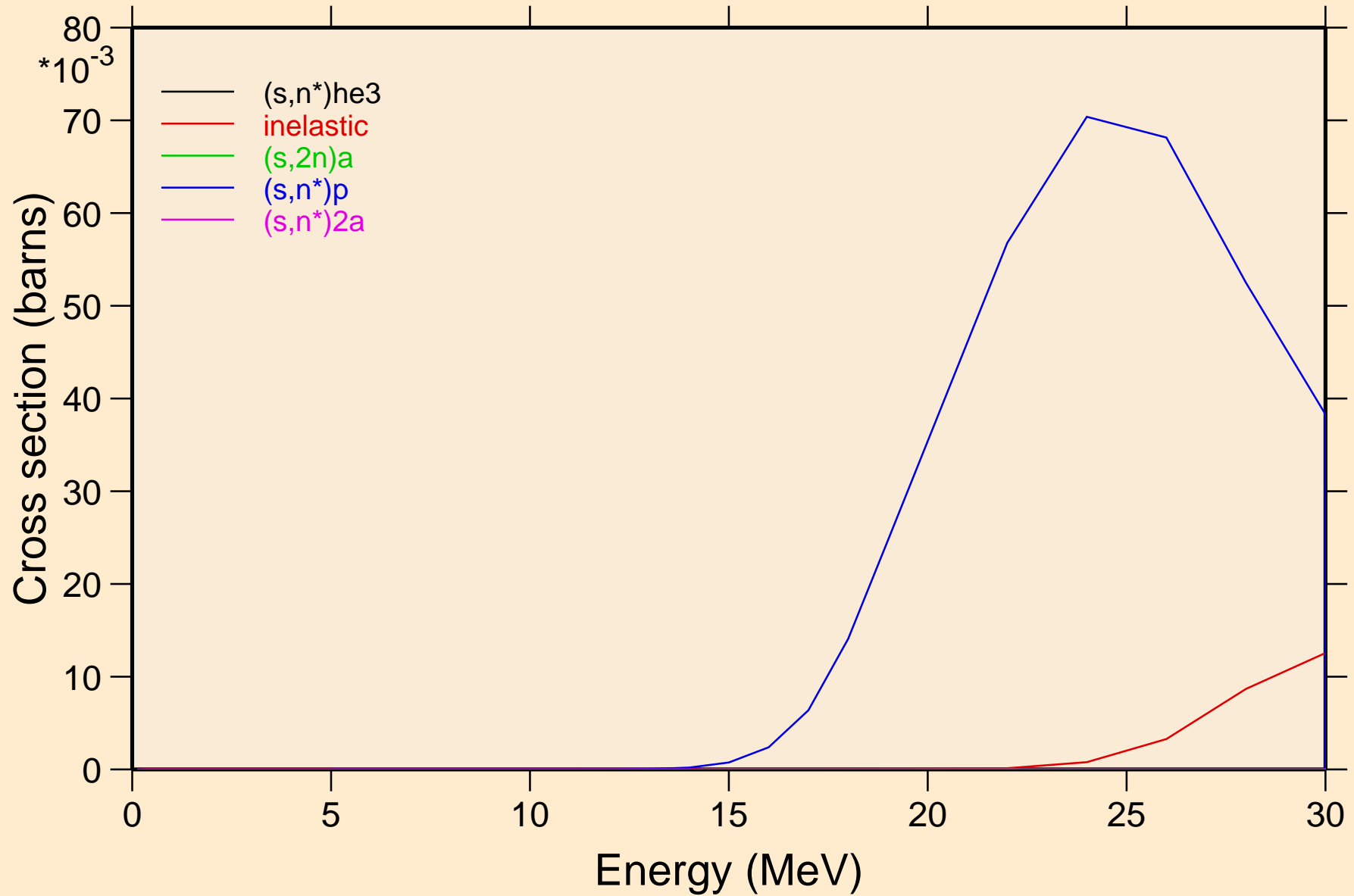


# EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K

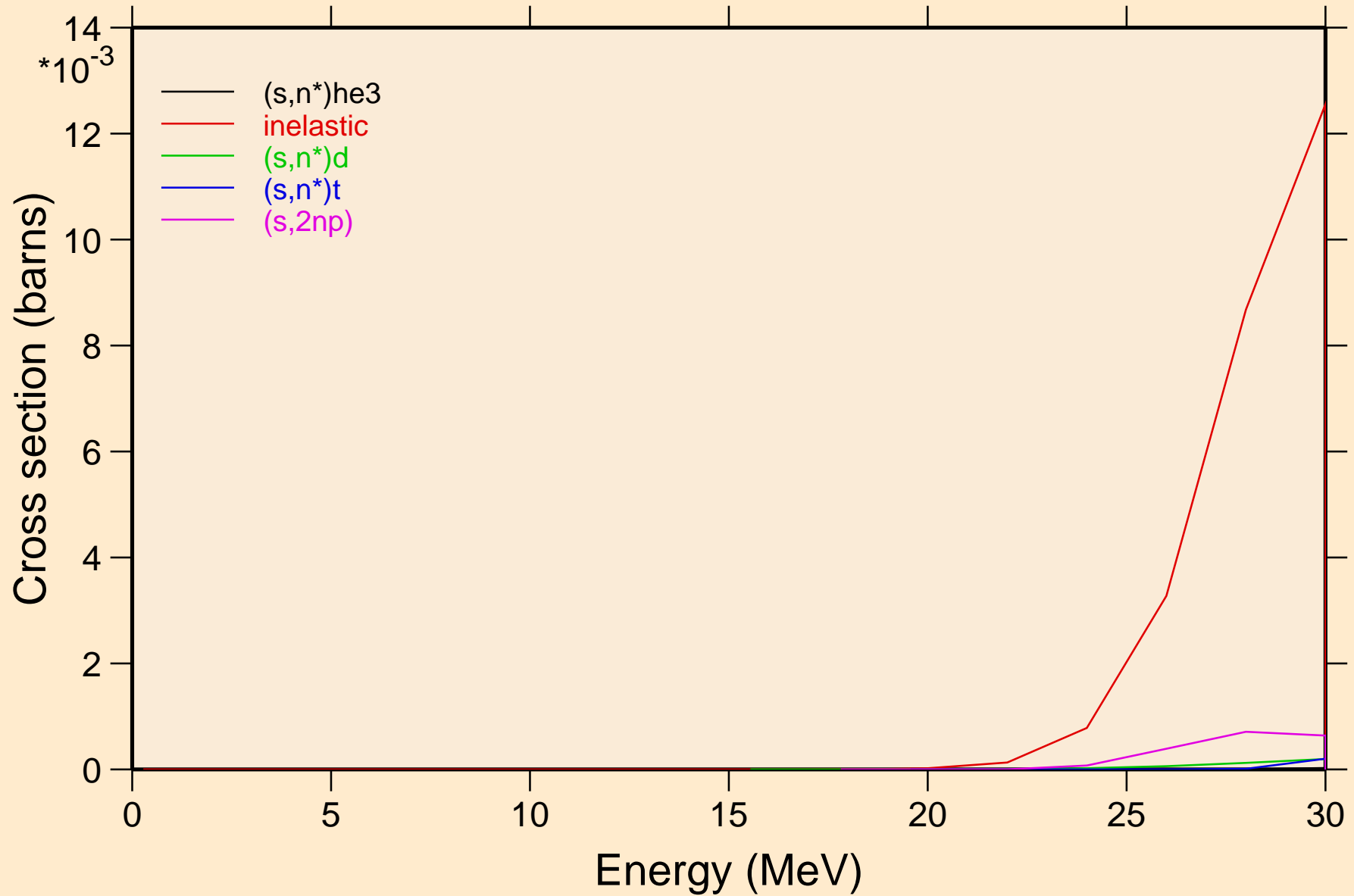
## Threshold reactions



EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

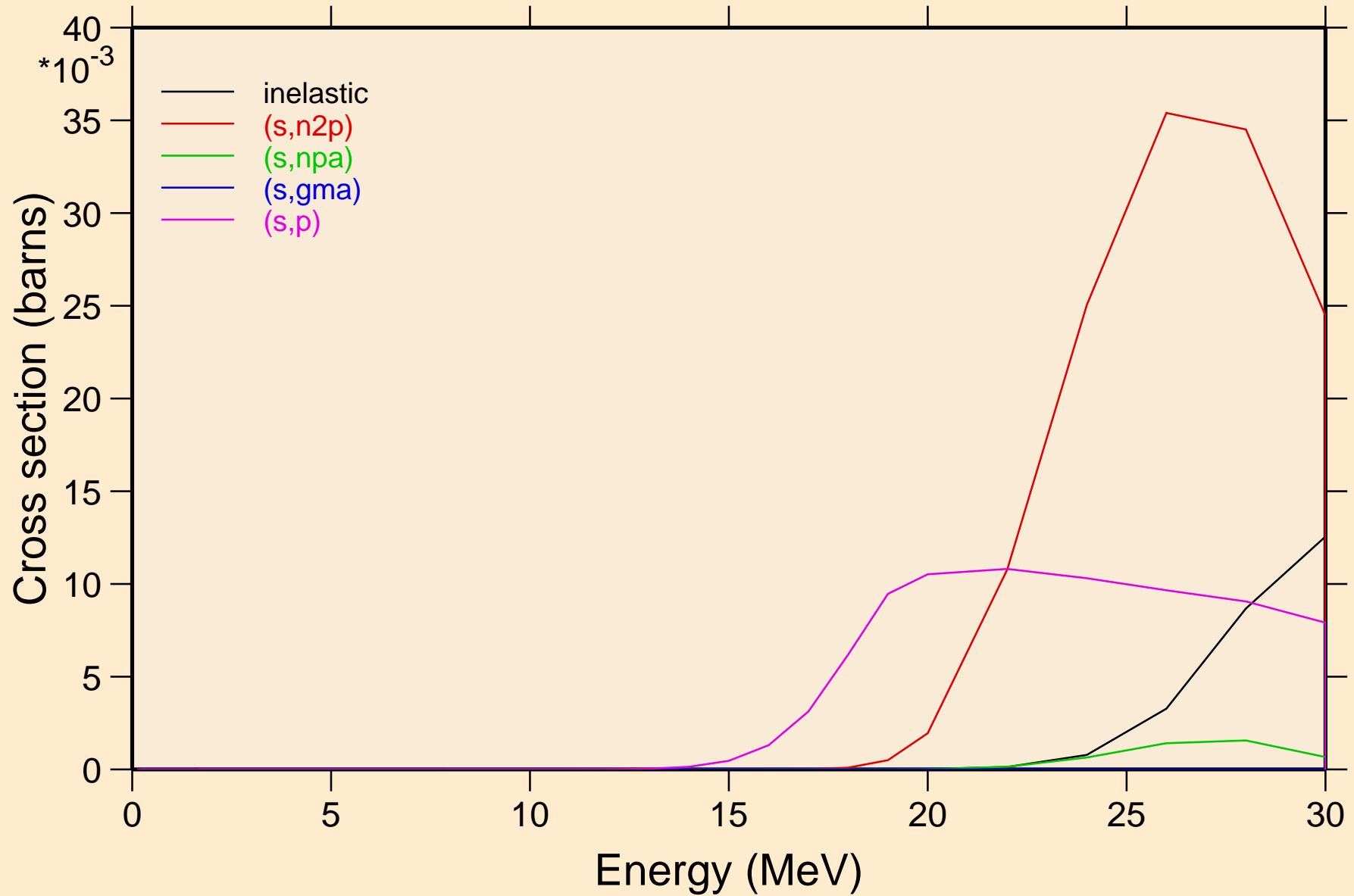


EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



# EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K

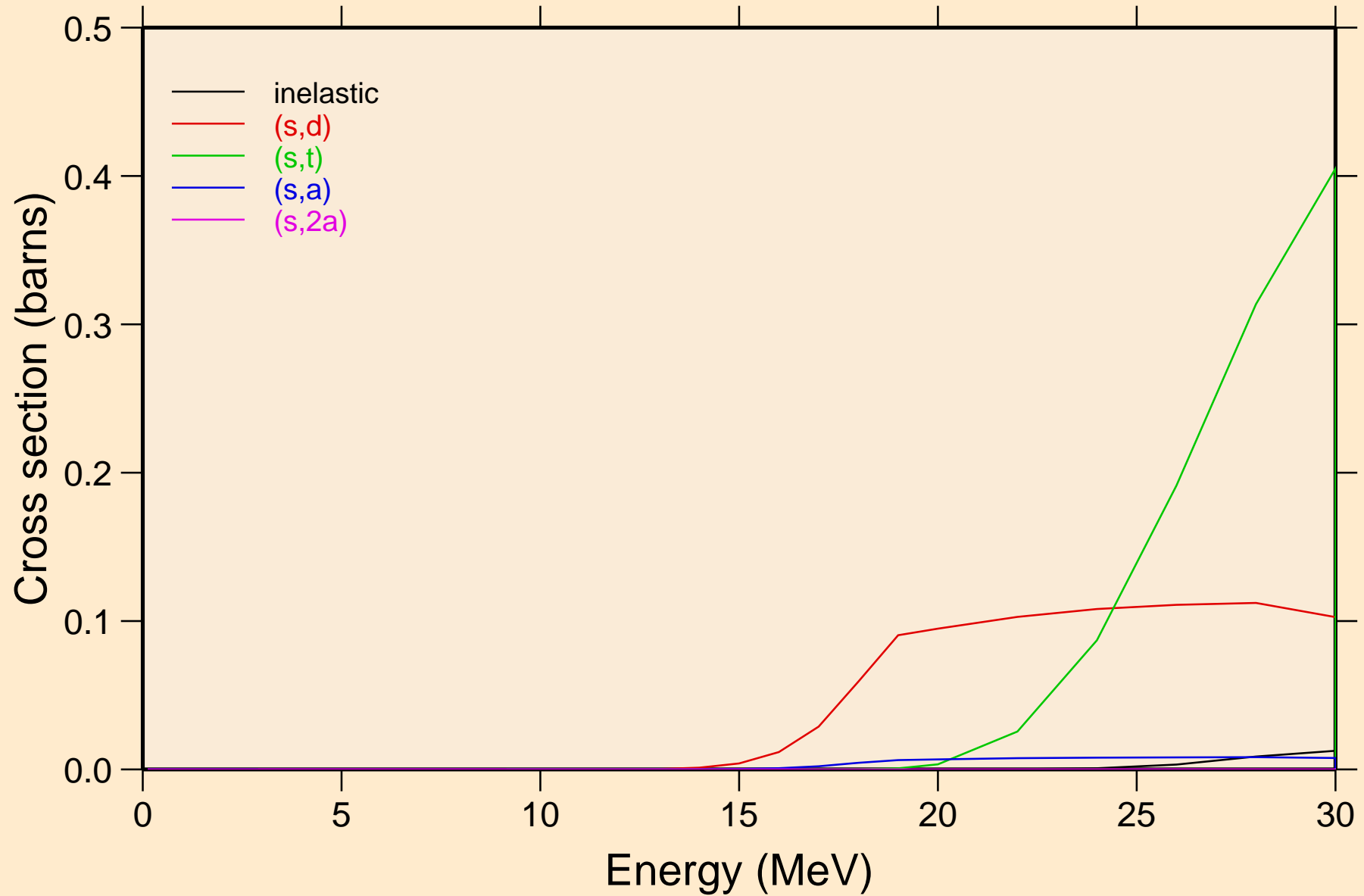
## Threshold reactions



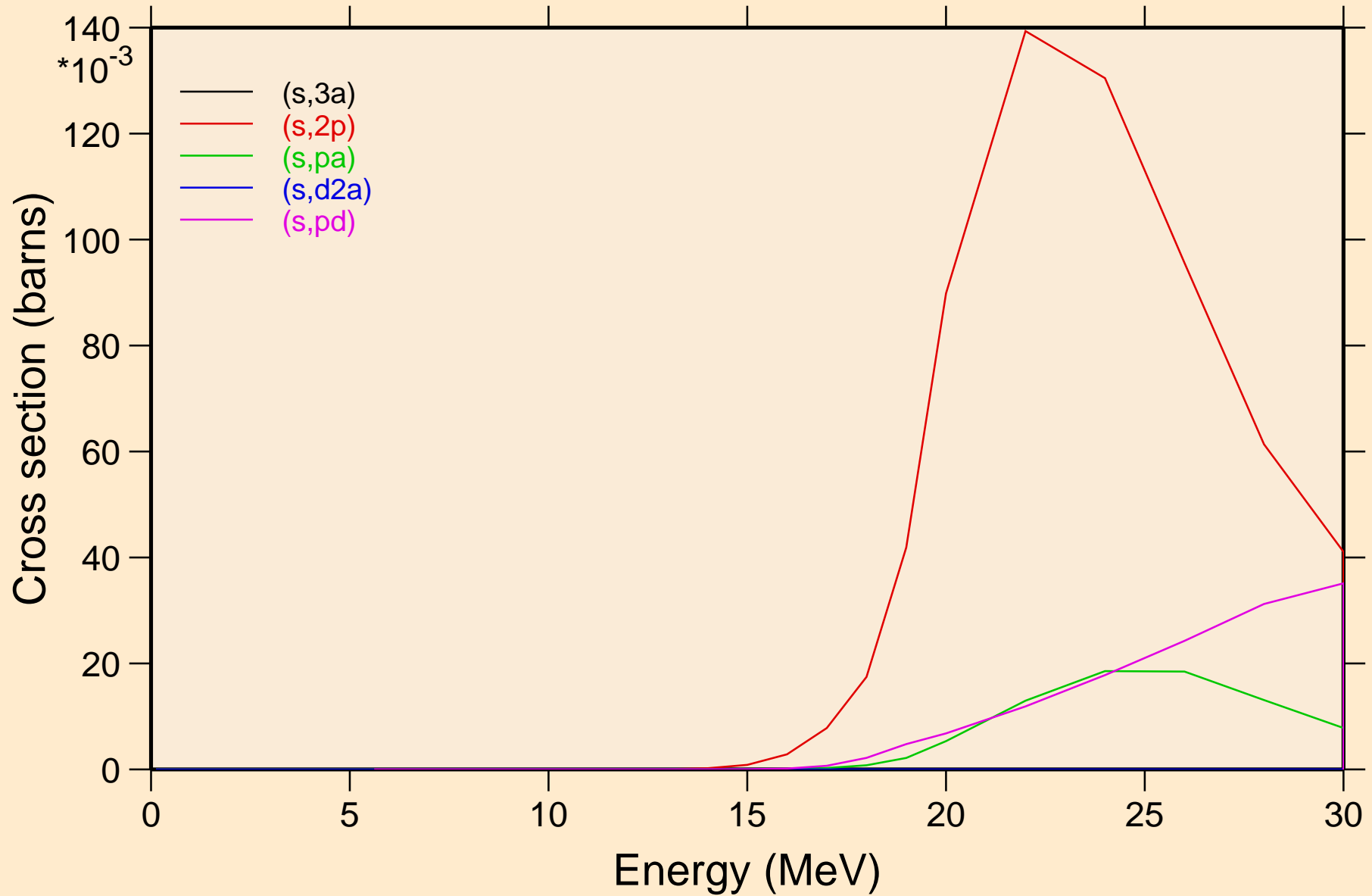


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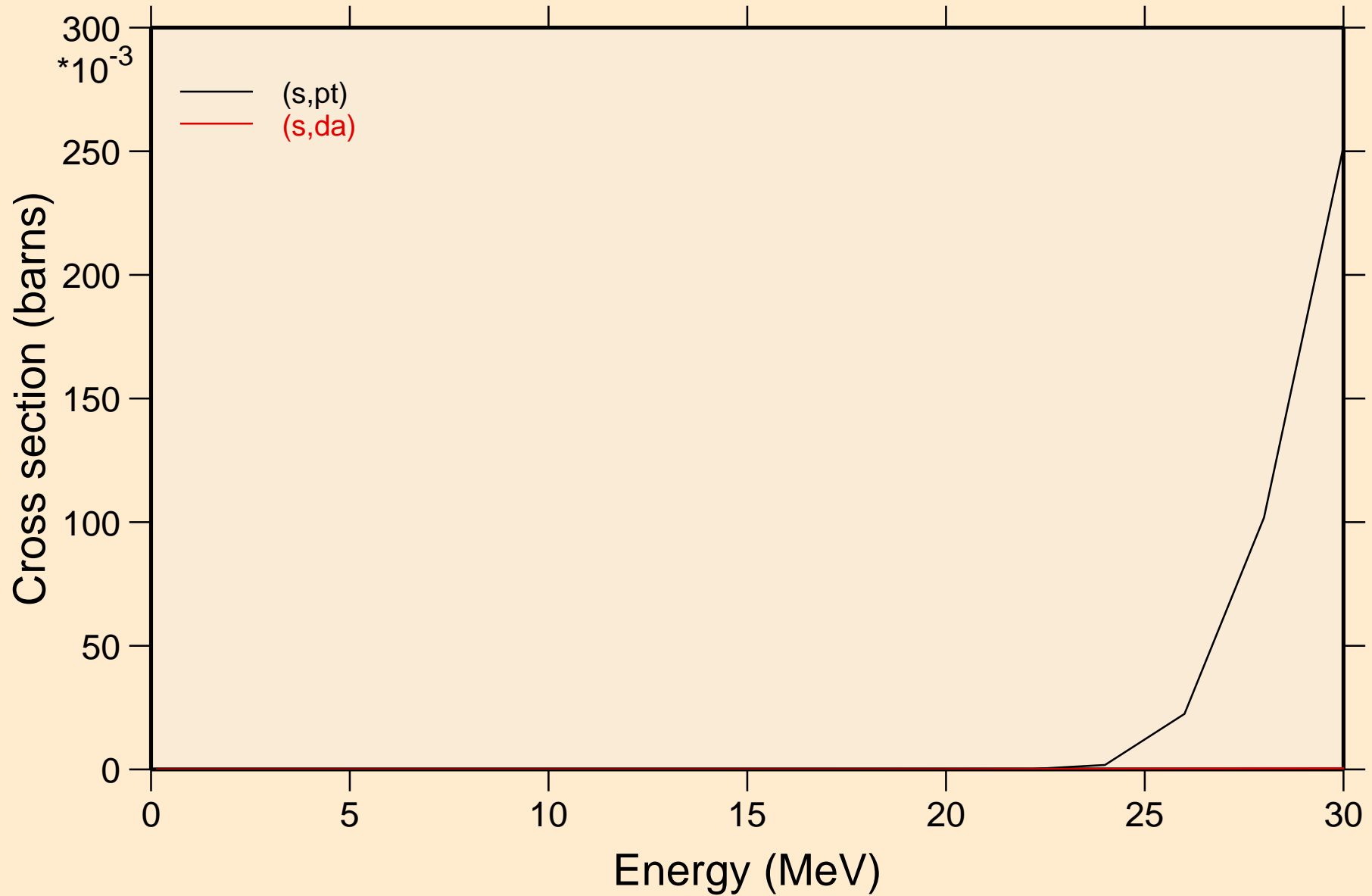
## Threshold reactions



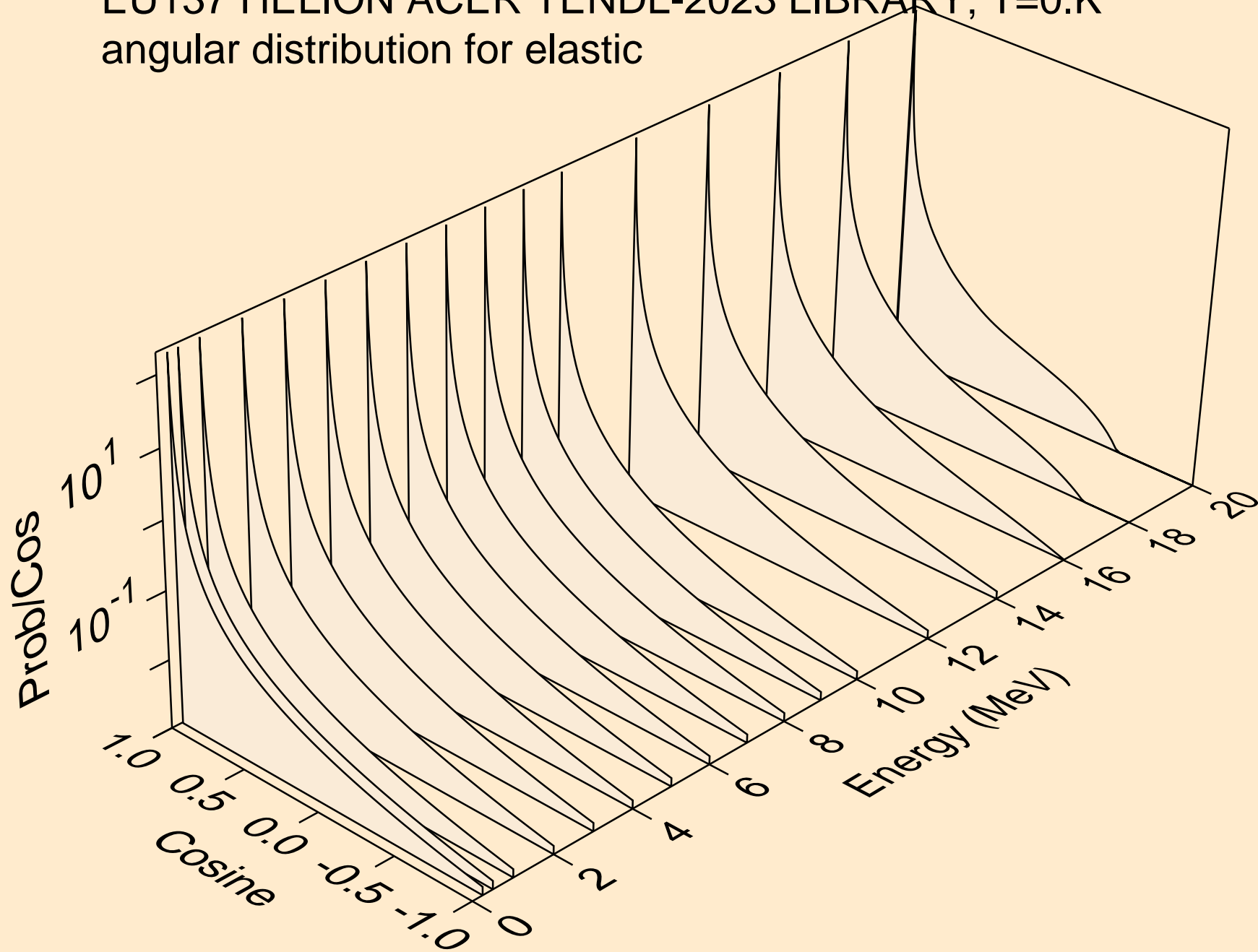
EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



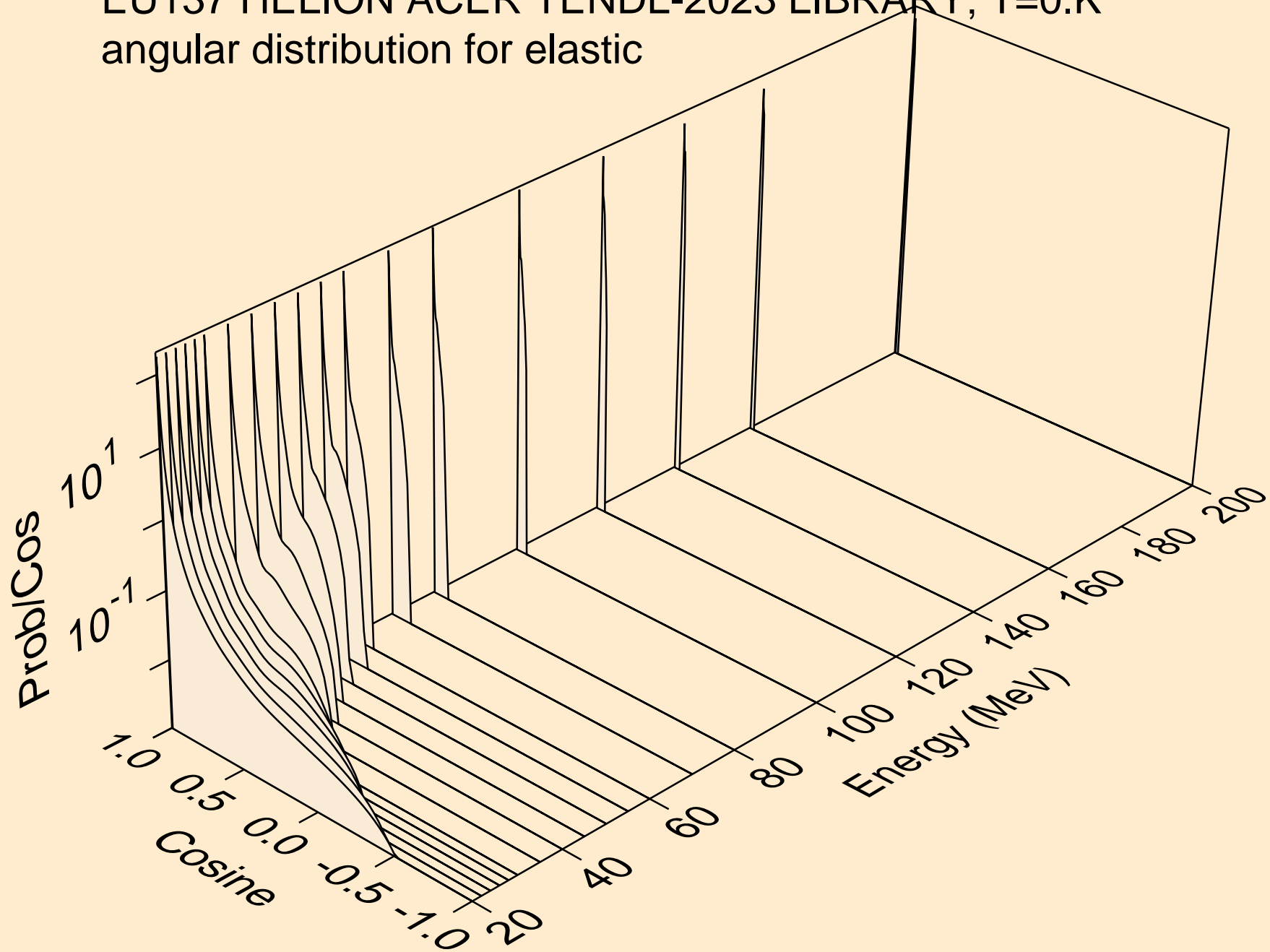
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Threshold reactions



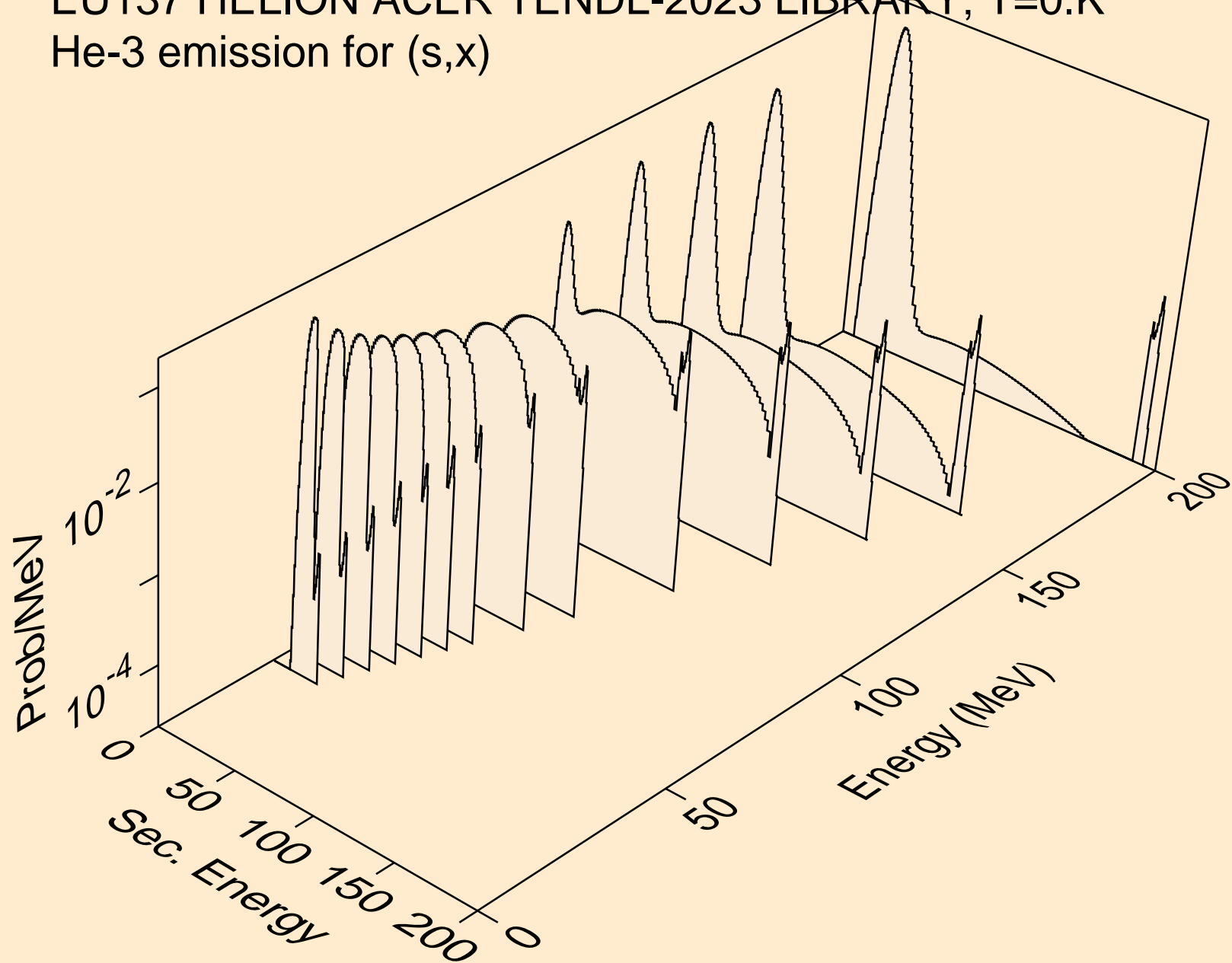
EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



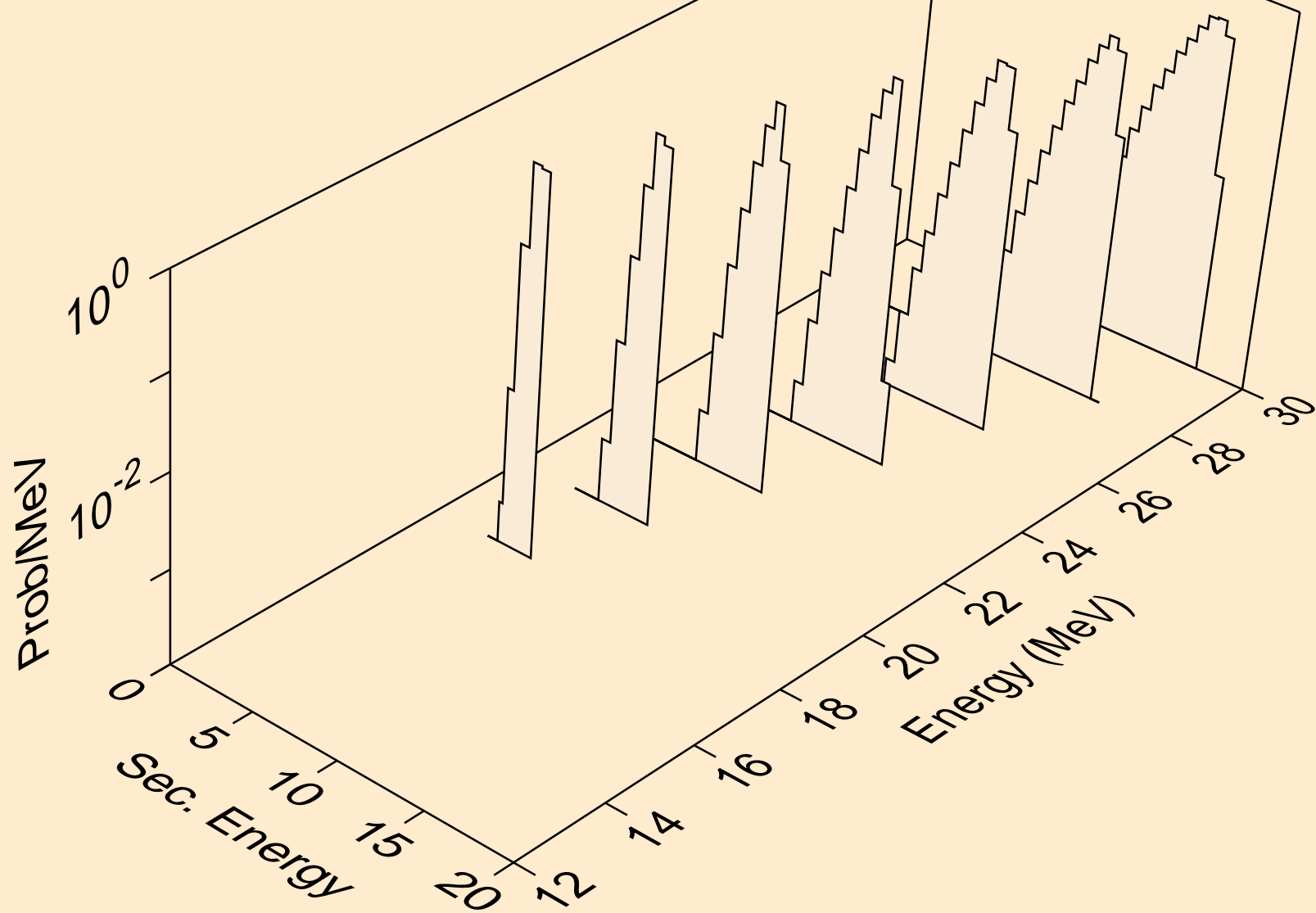
EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



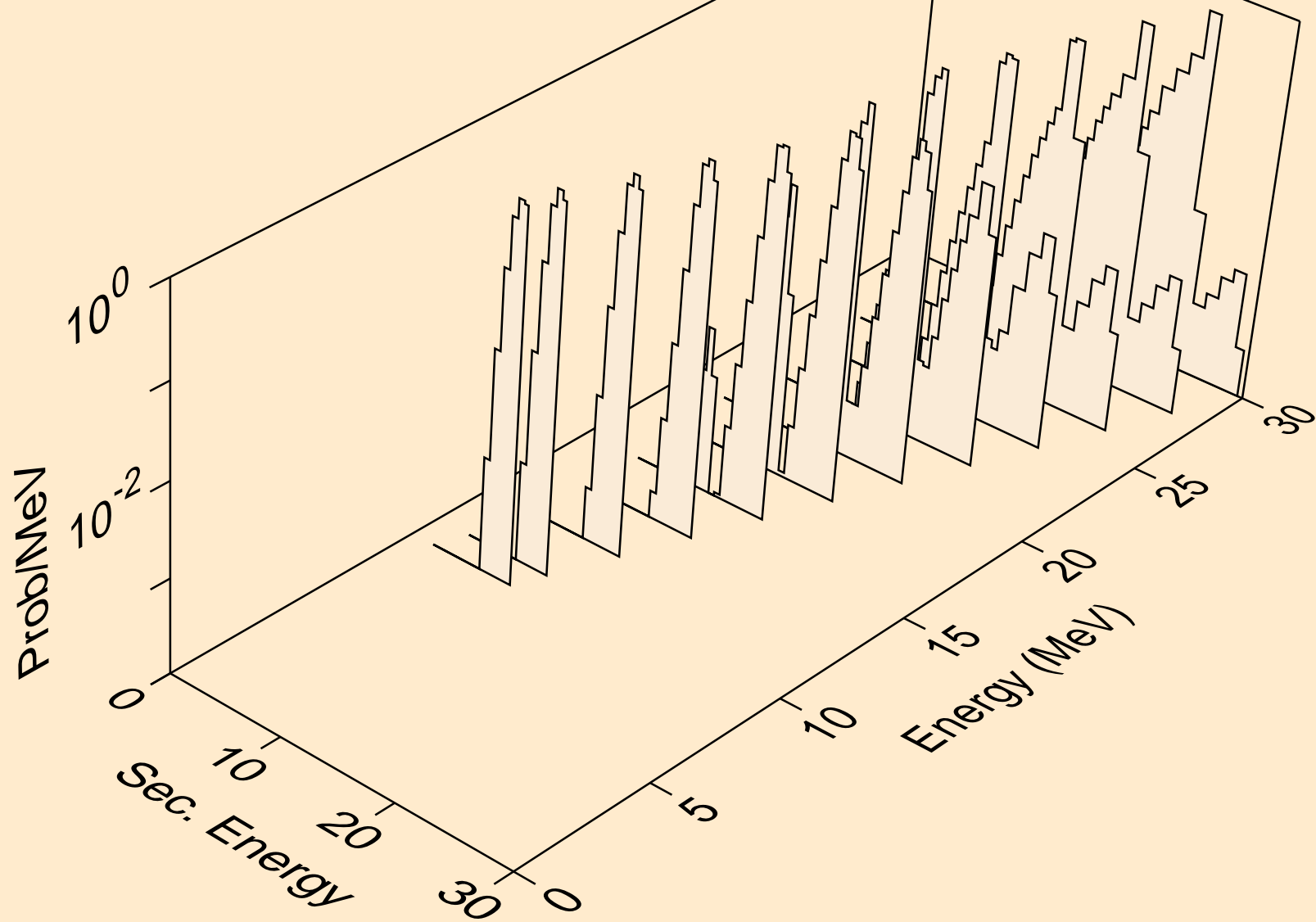
EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)



EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

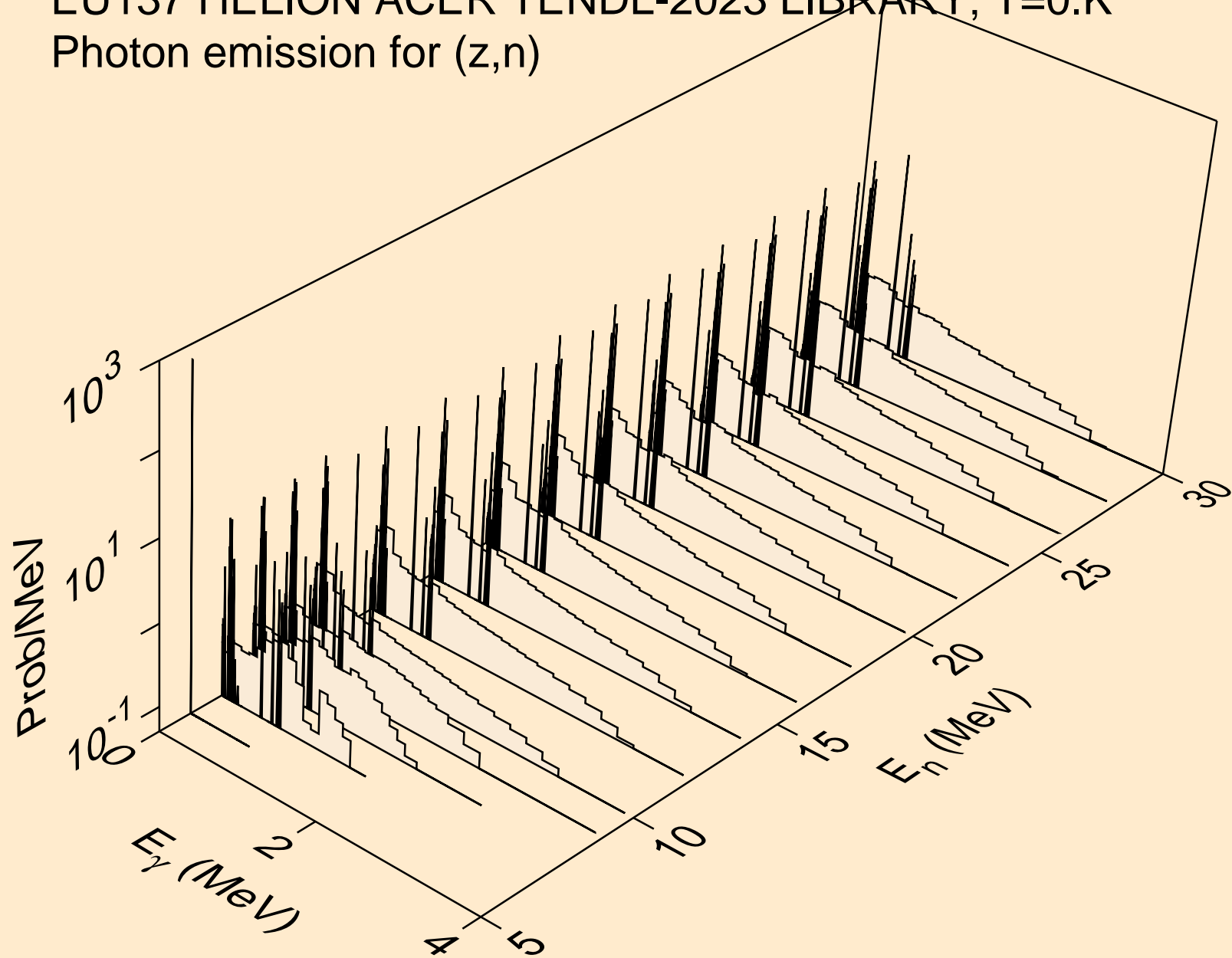


EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic

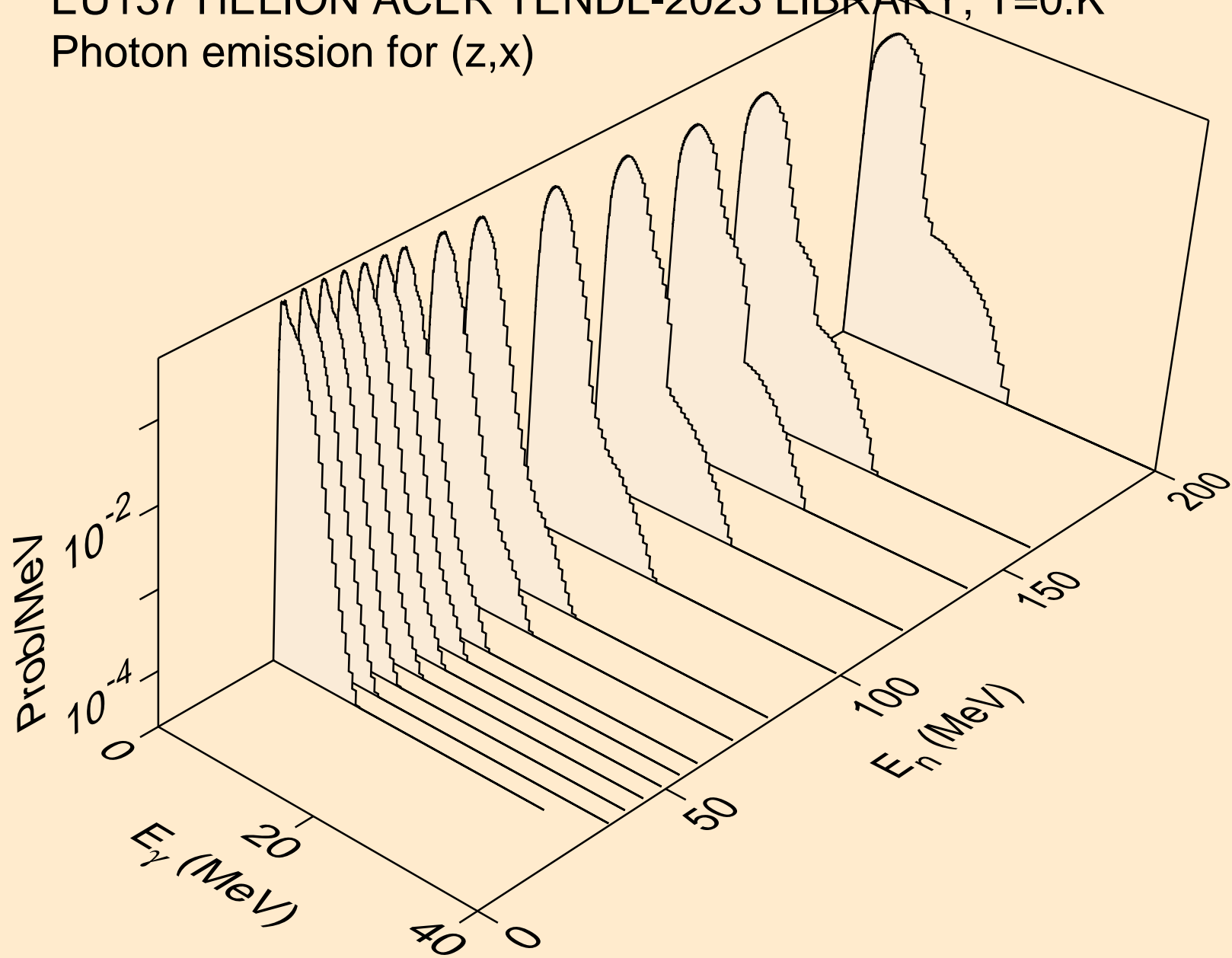




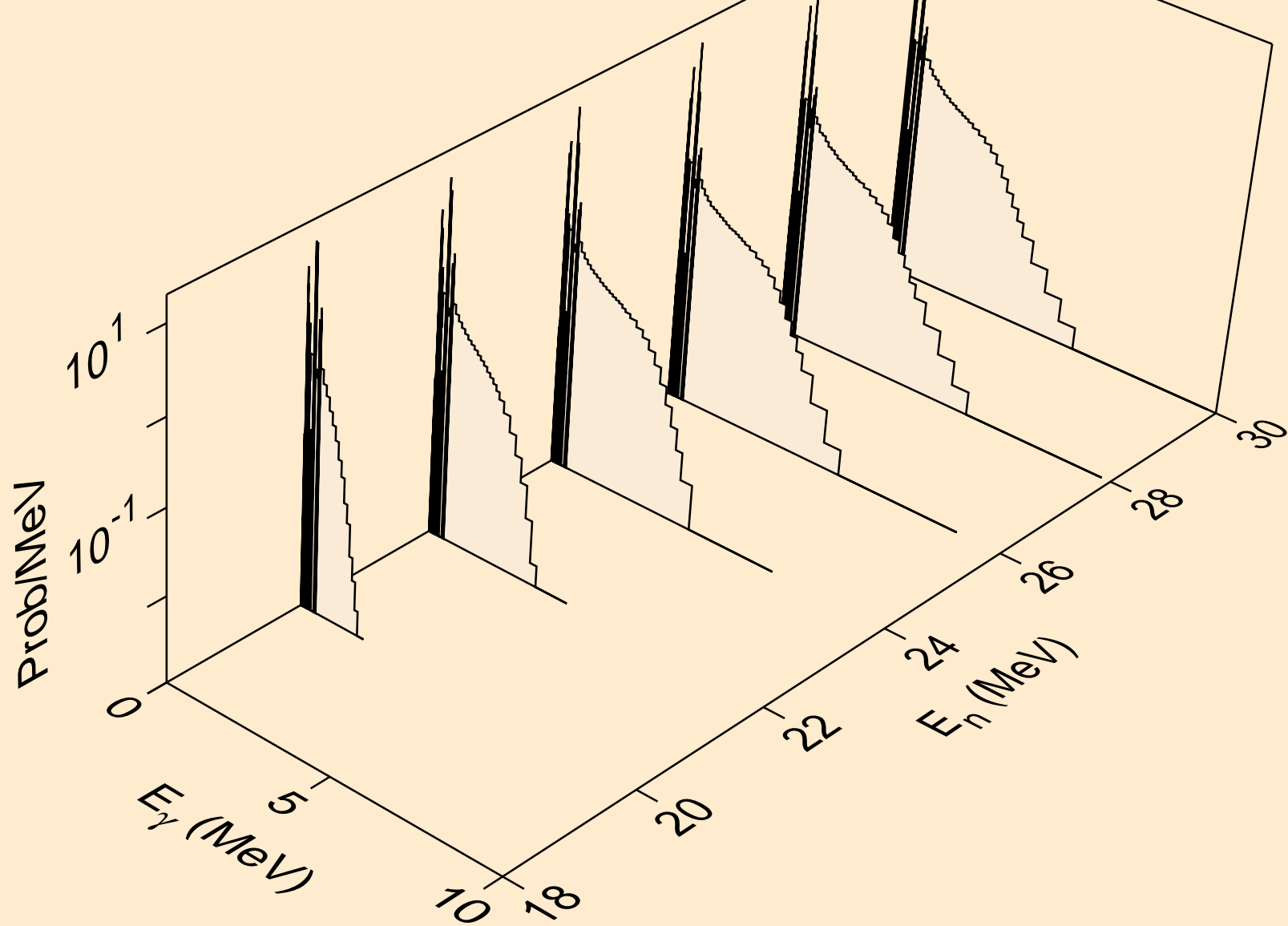
EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



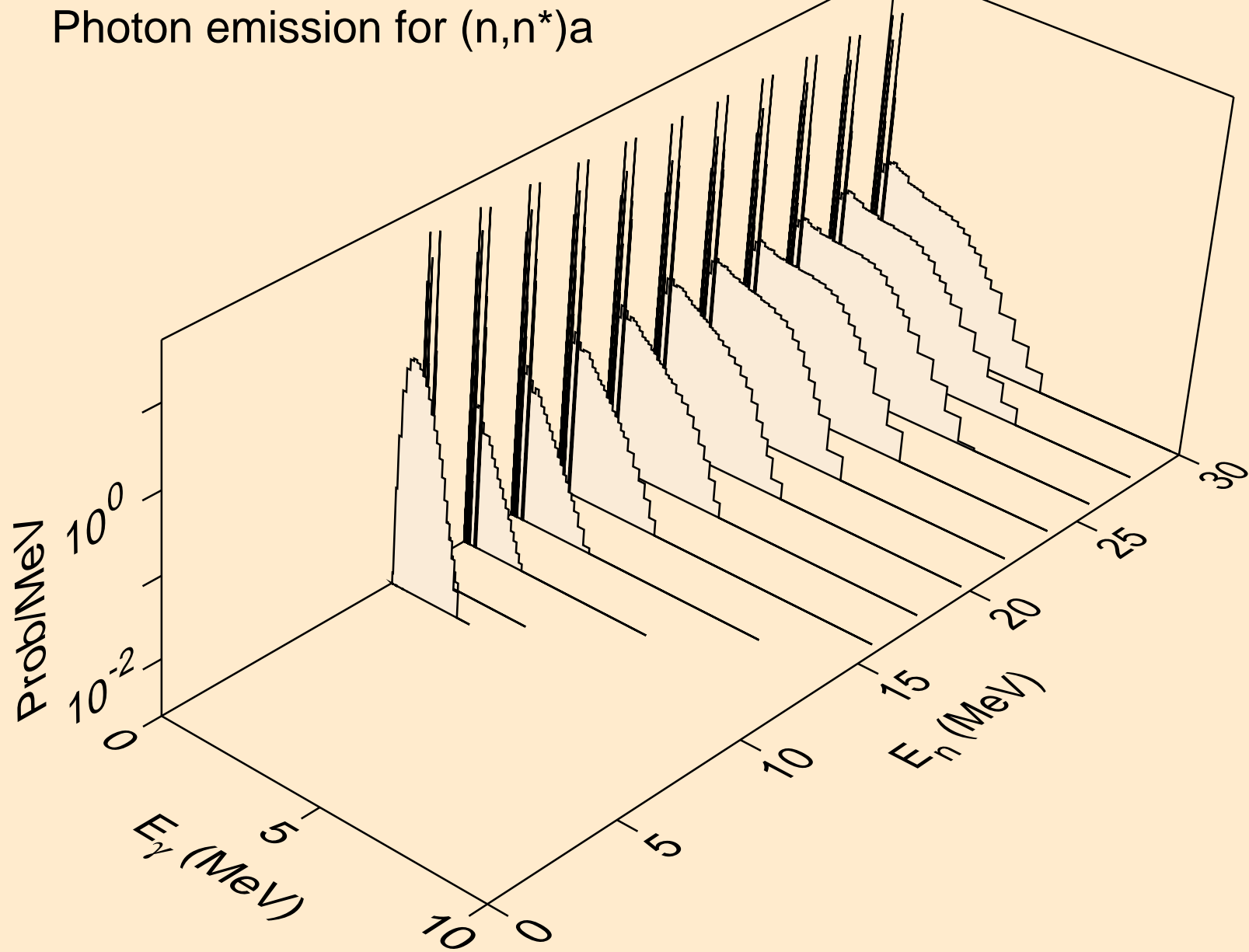
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Photon emission for (z,x)



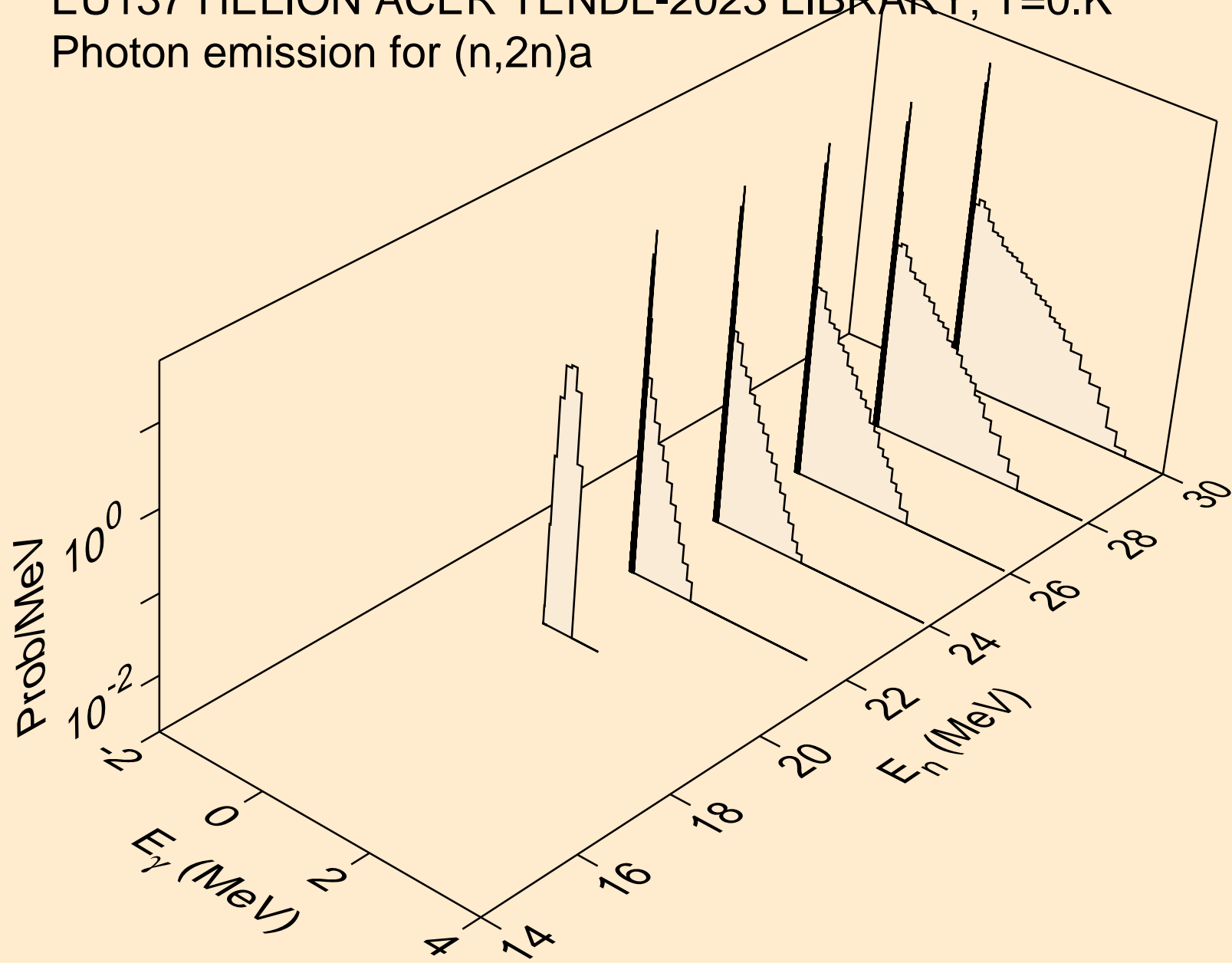
EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



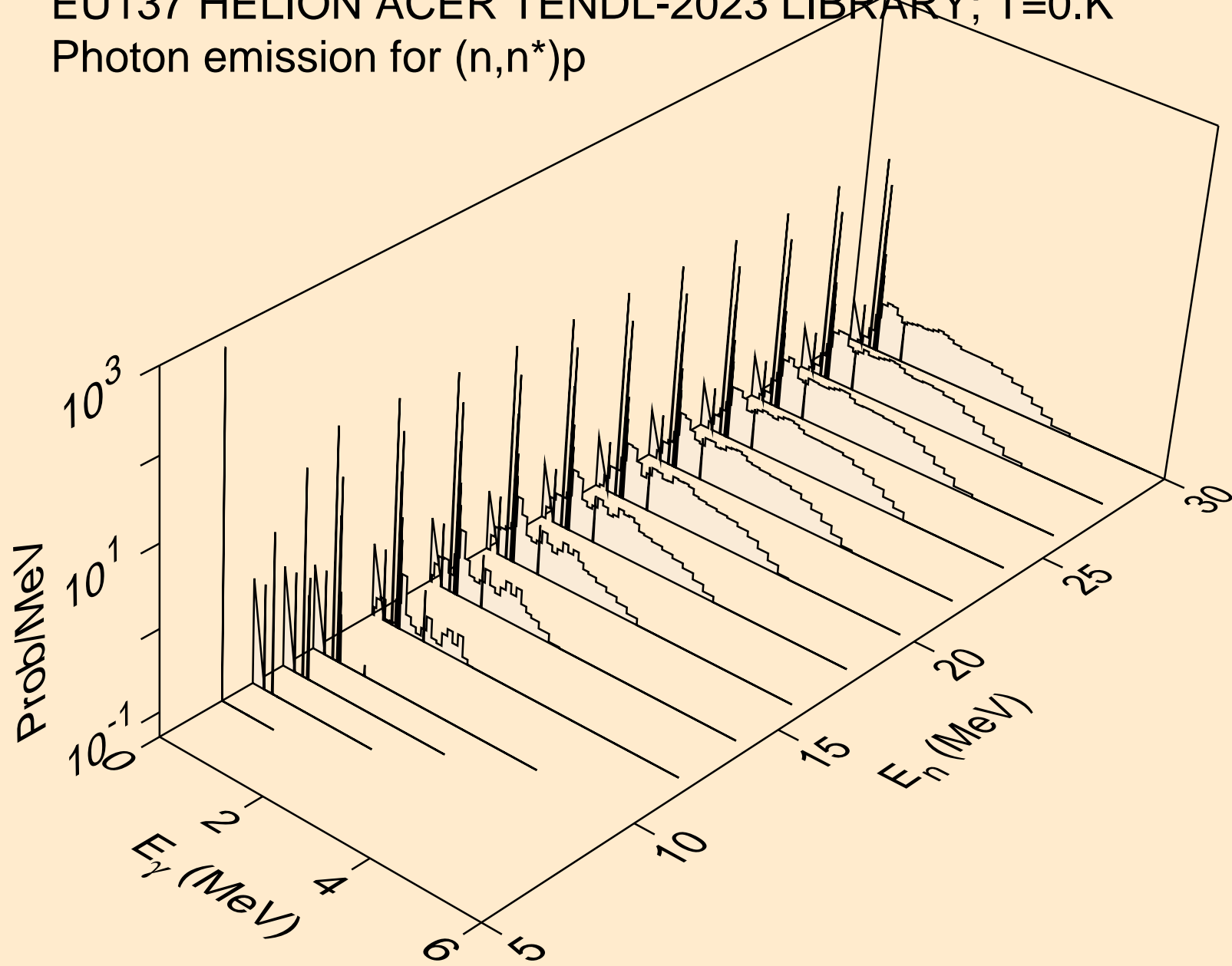
EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



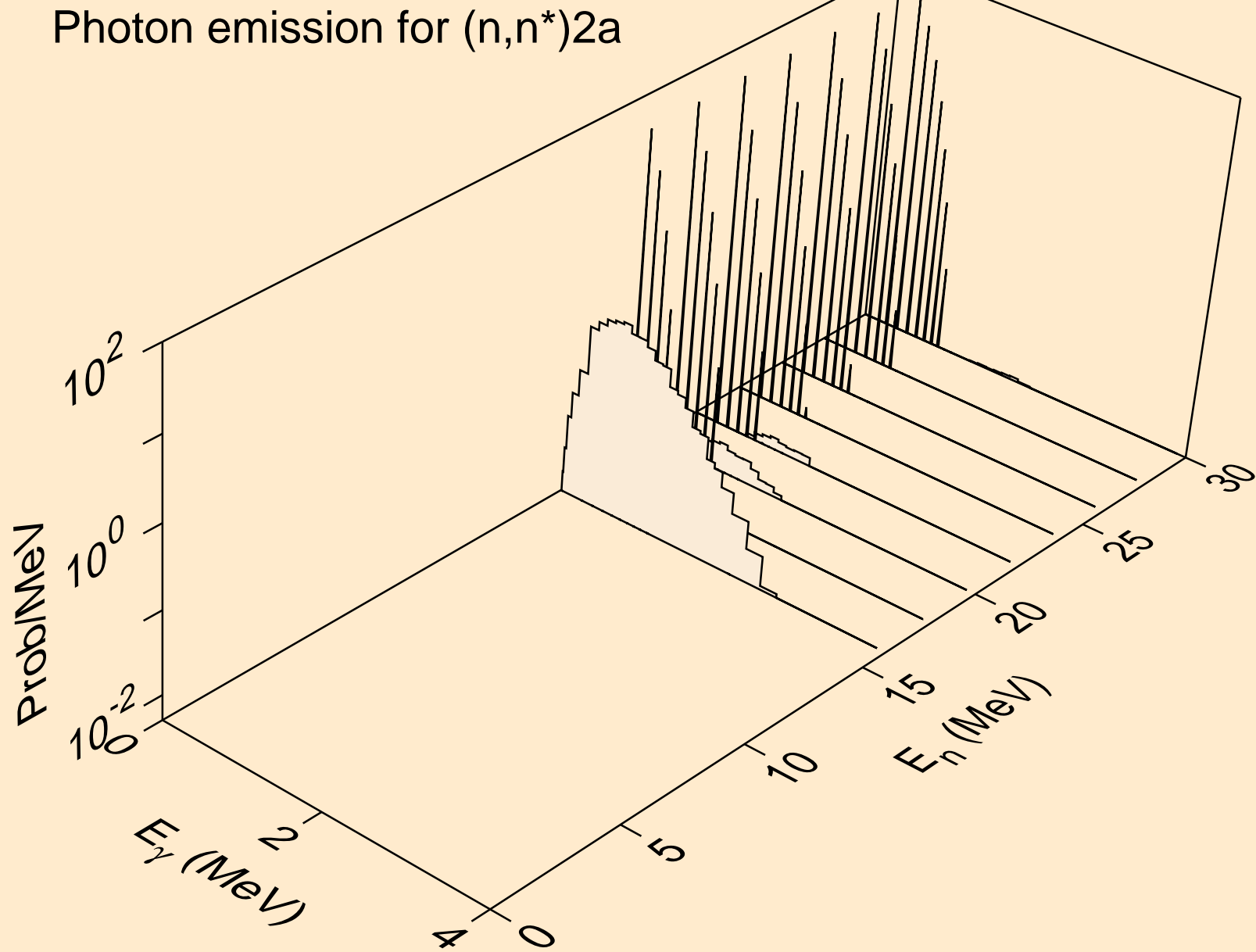
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Photon emission for (n,2n)a



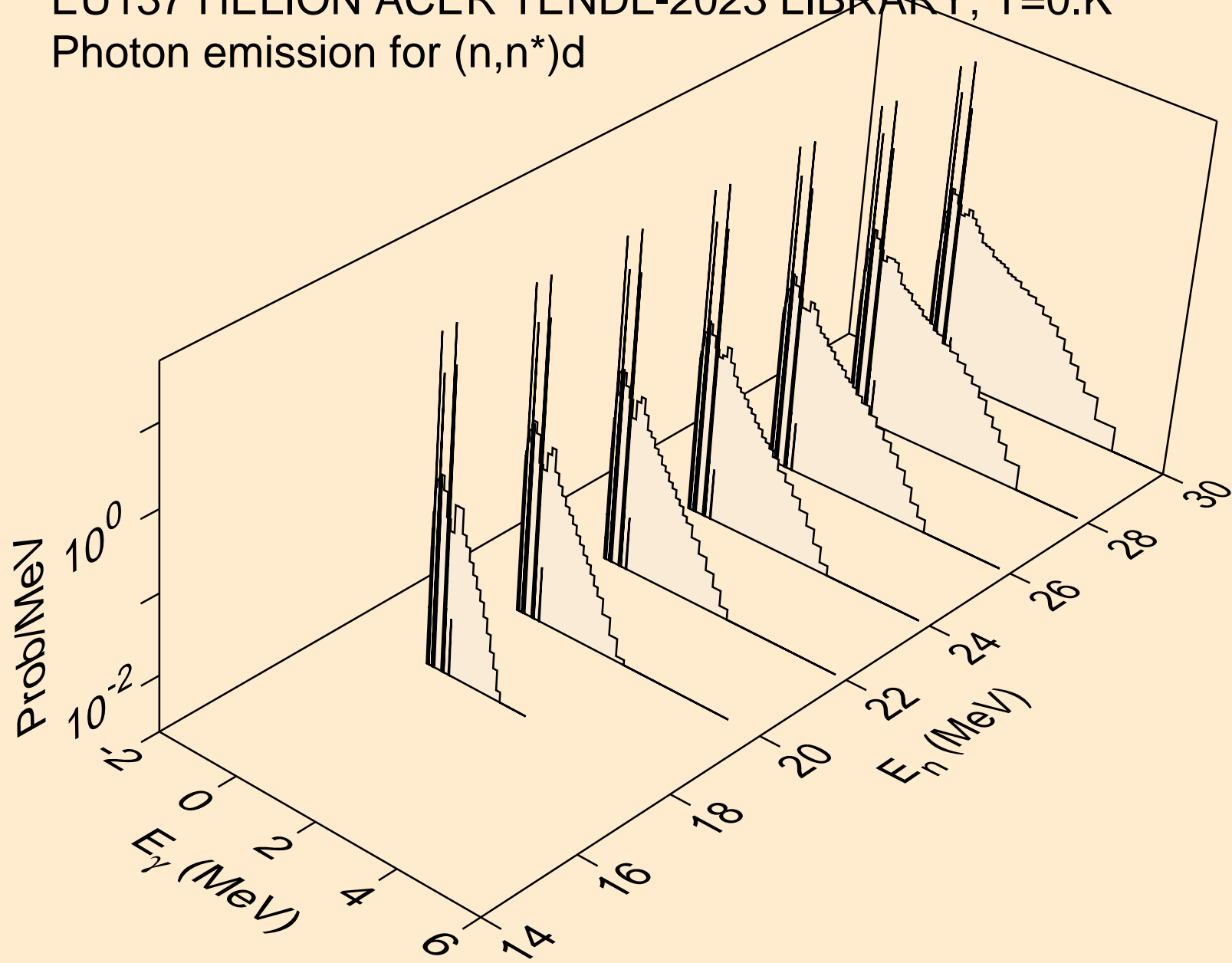
EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

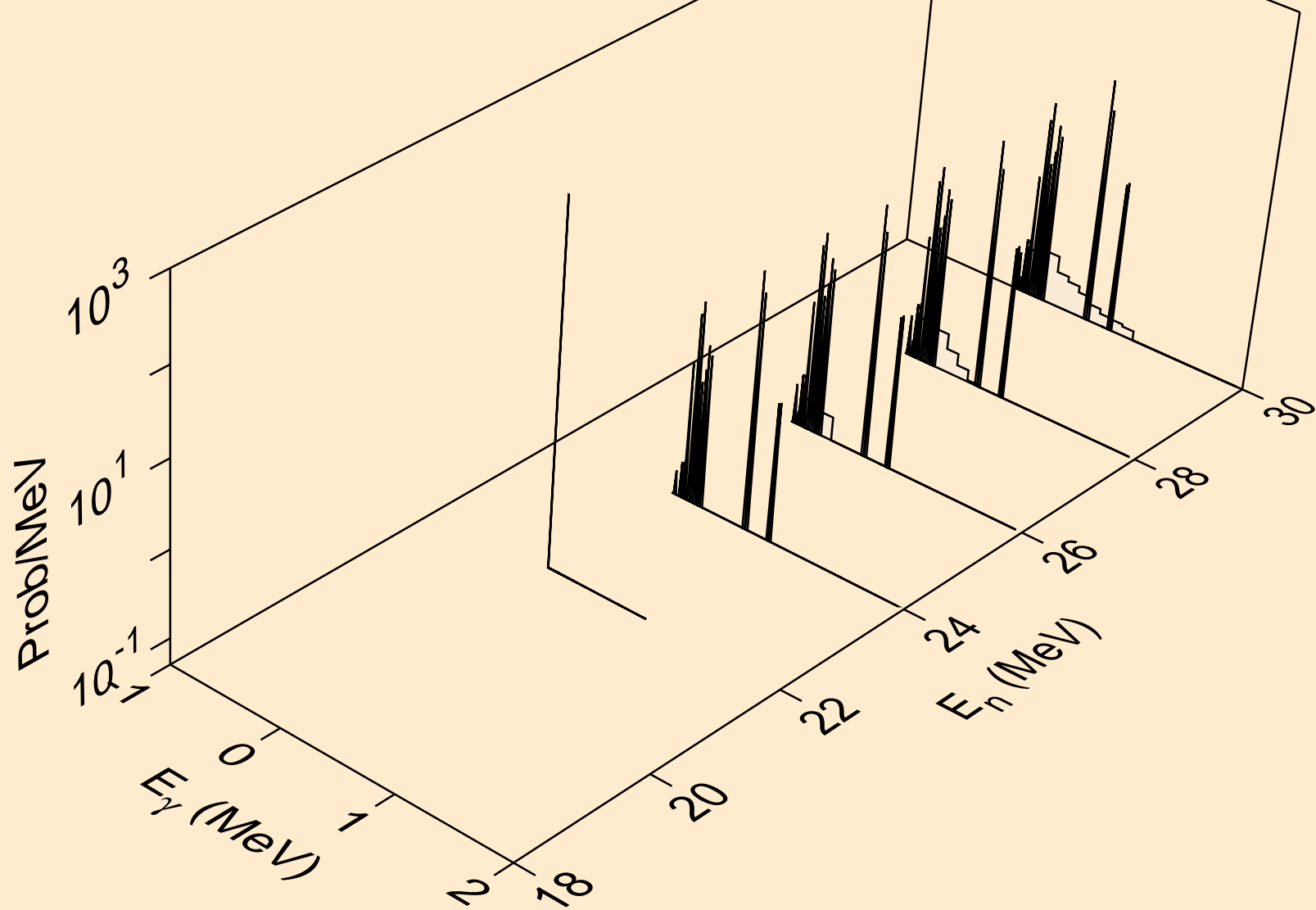


EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

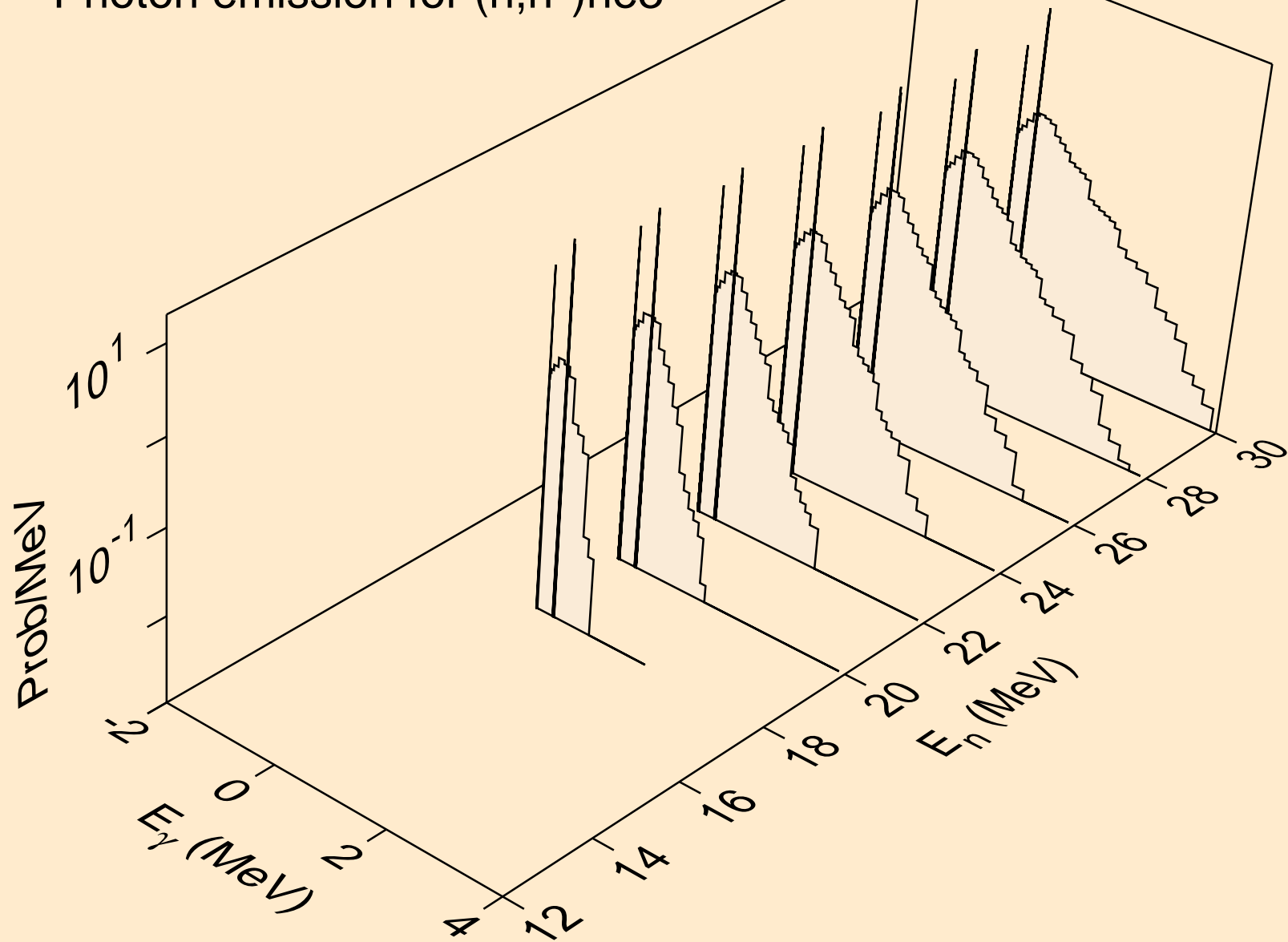




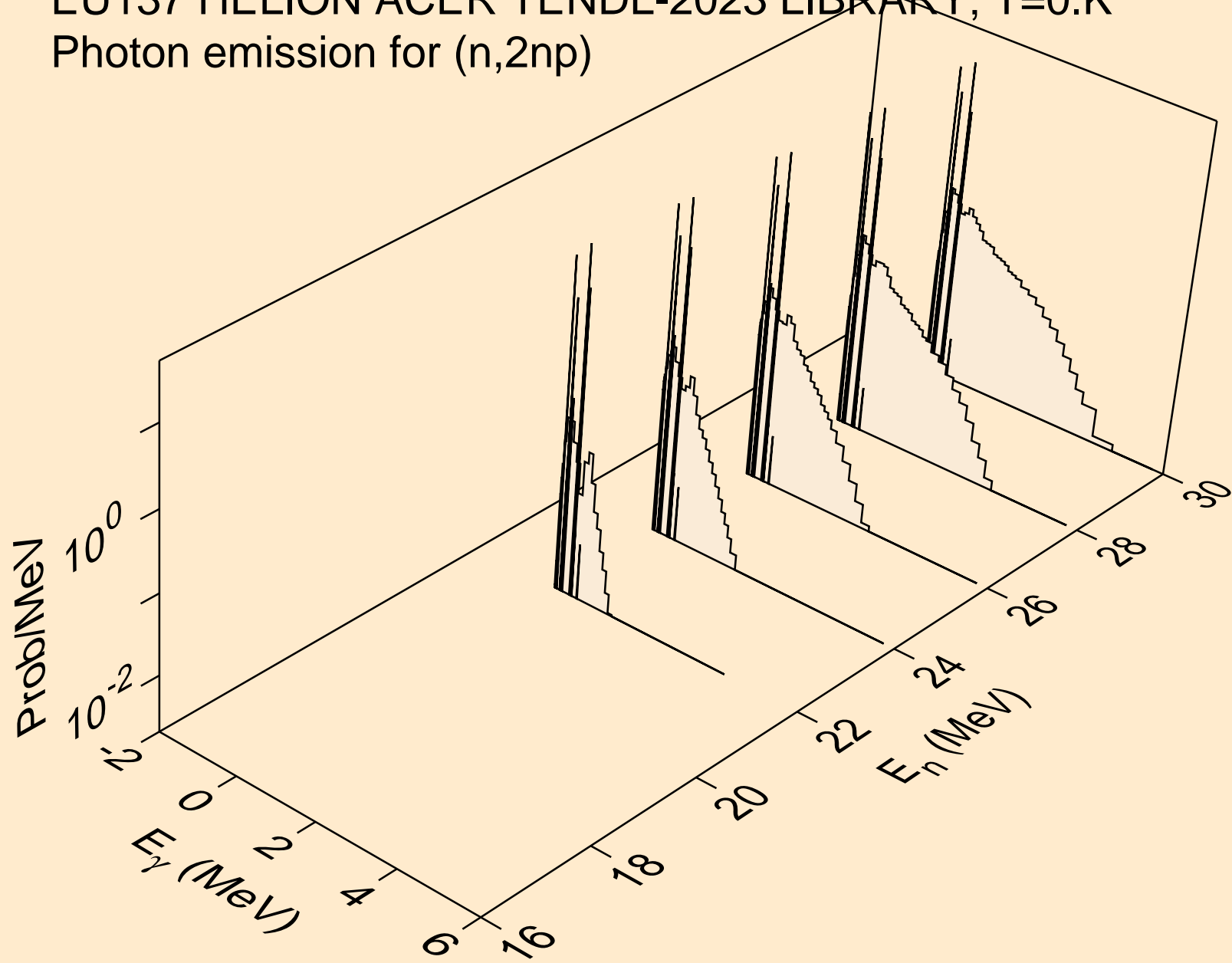
EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



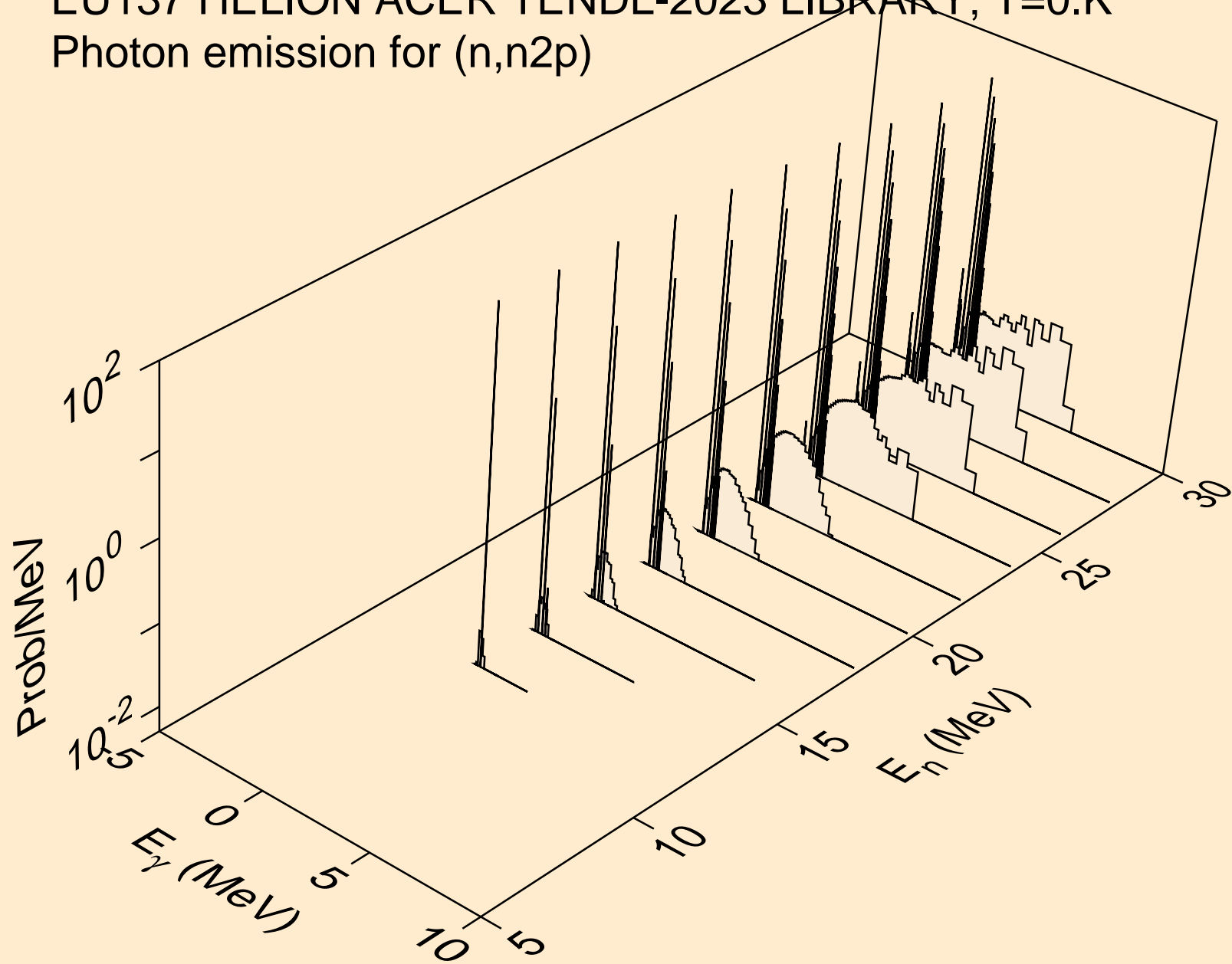
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Photon emission for (n,n\*)he3



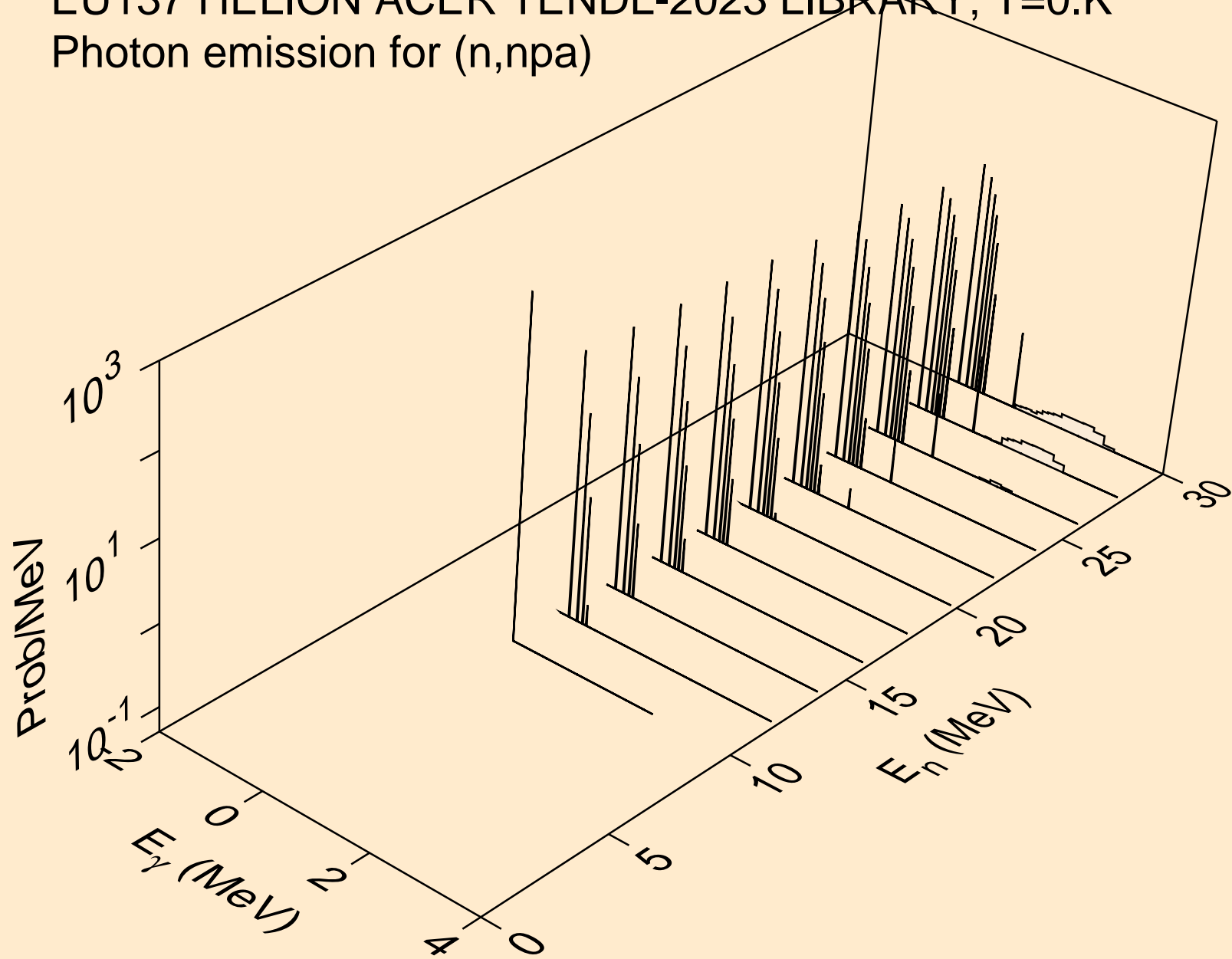
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Photon emission for (n,2np)



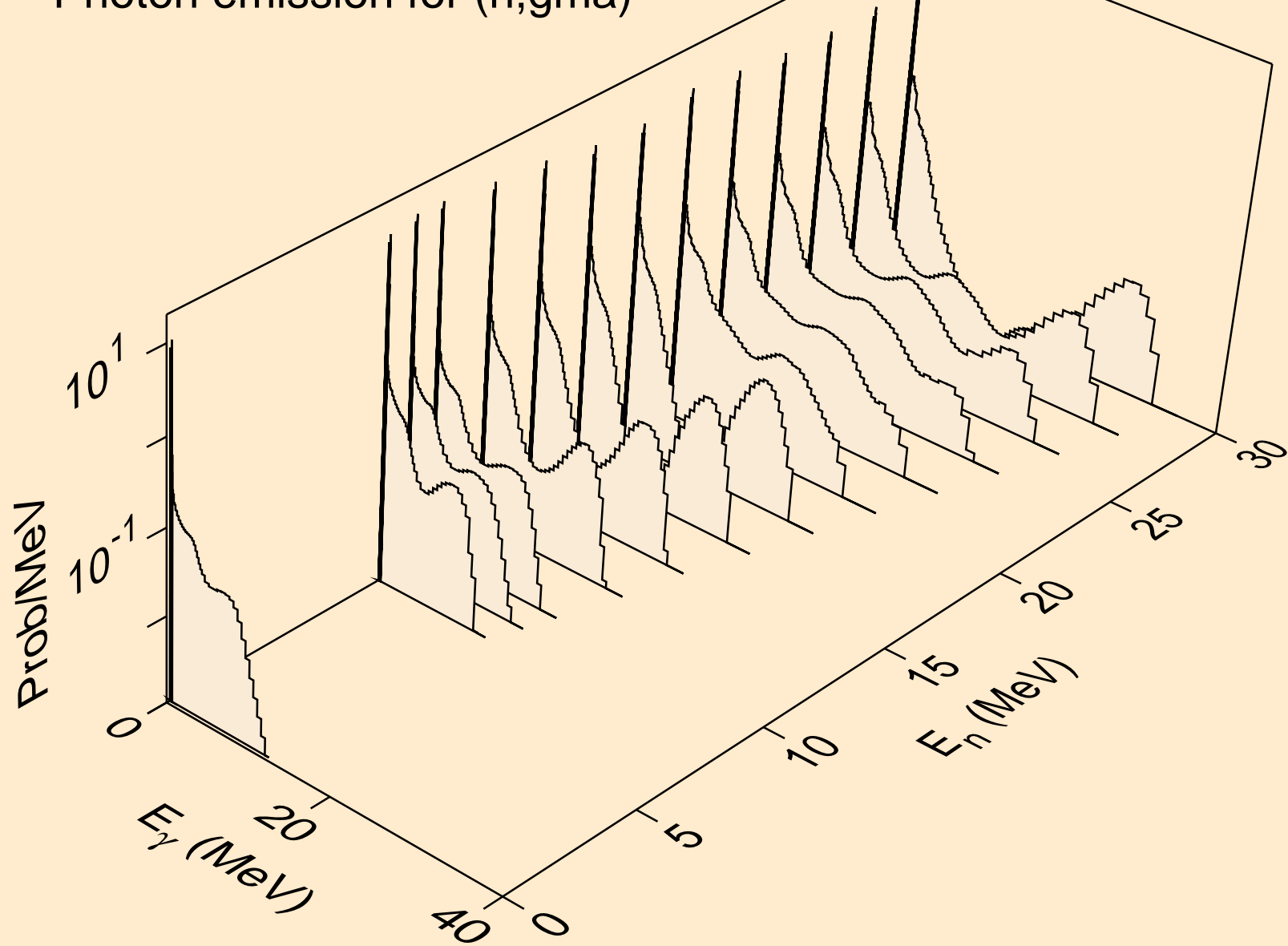
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Photon emission for (n,n2p)



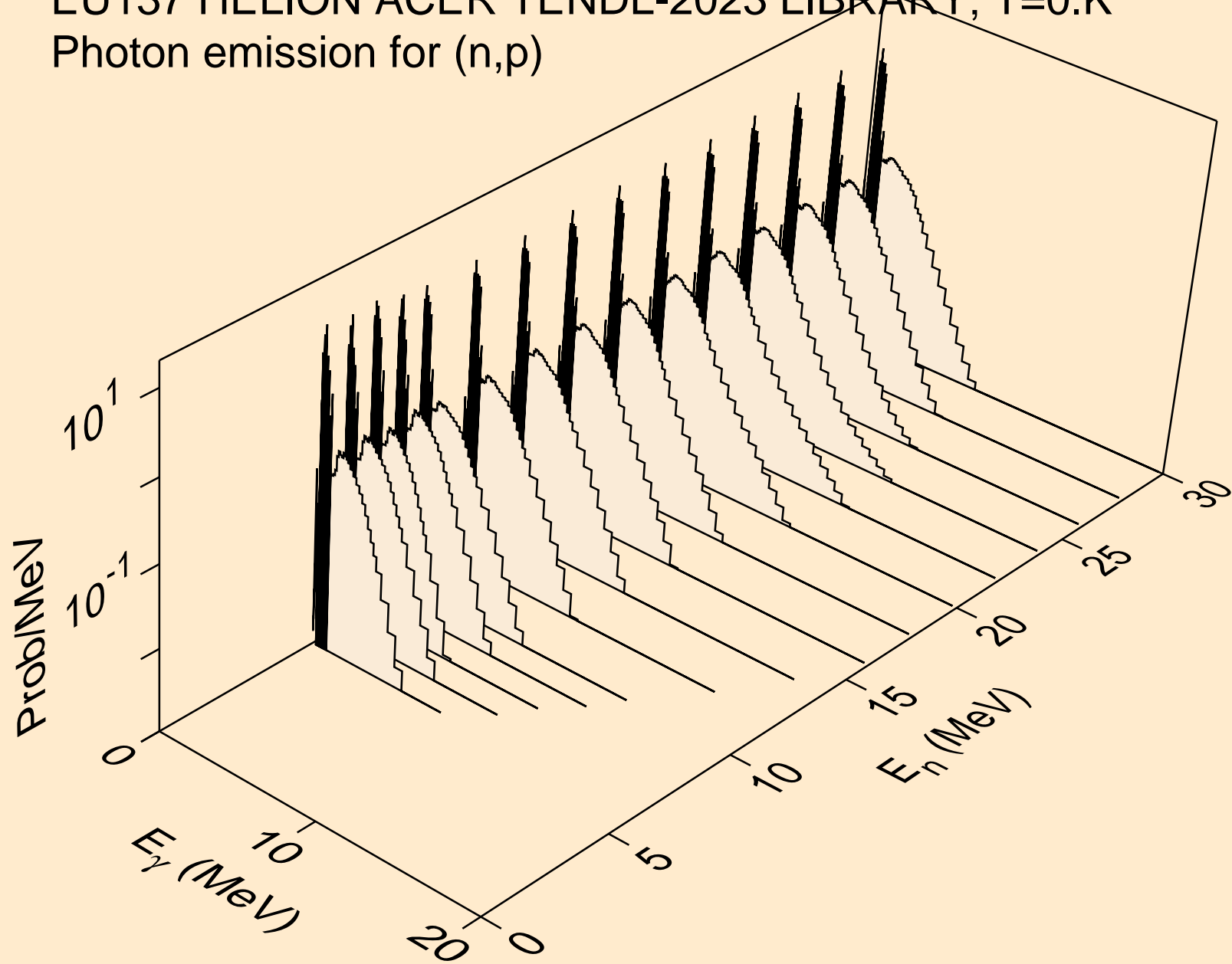
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Photon emission for (n,npa)



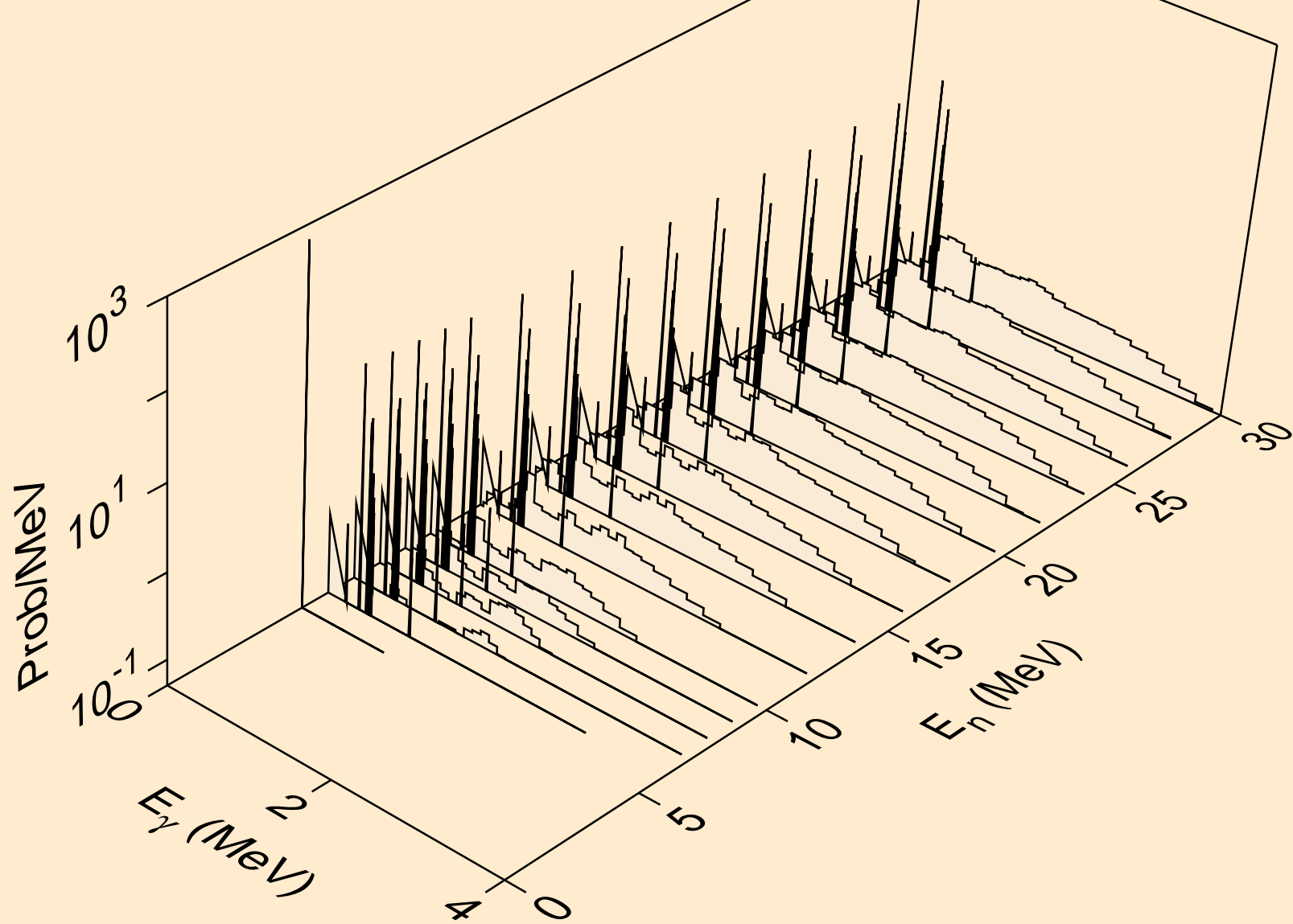
EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)

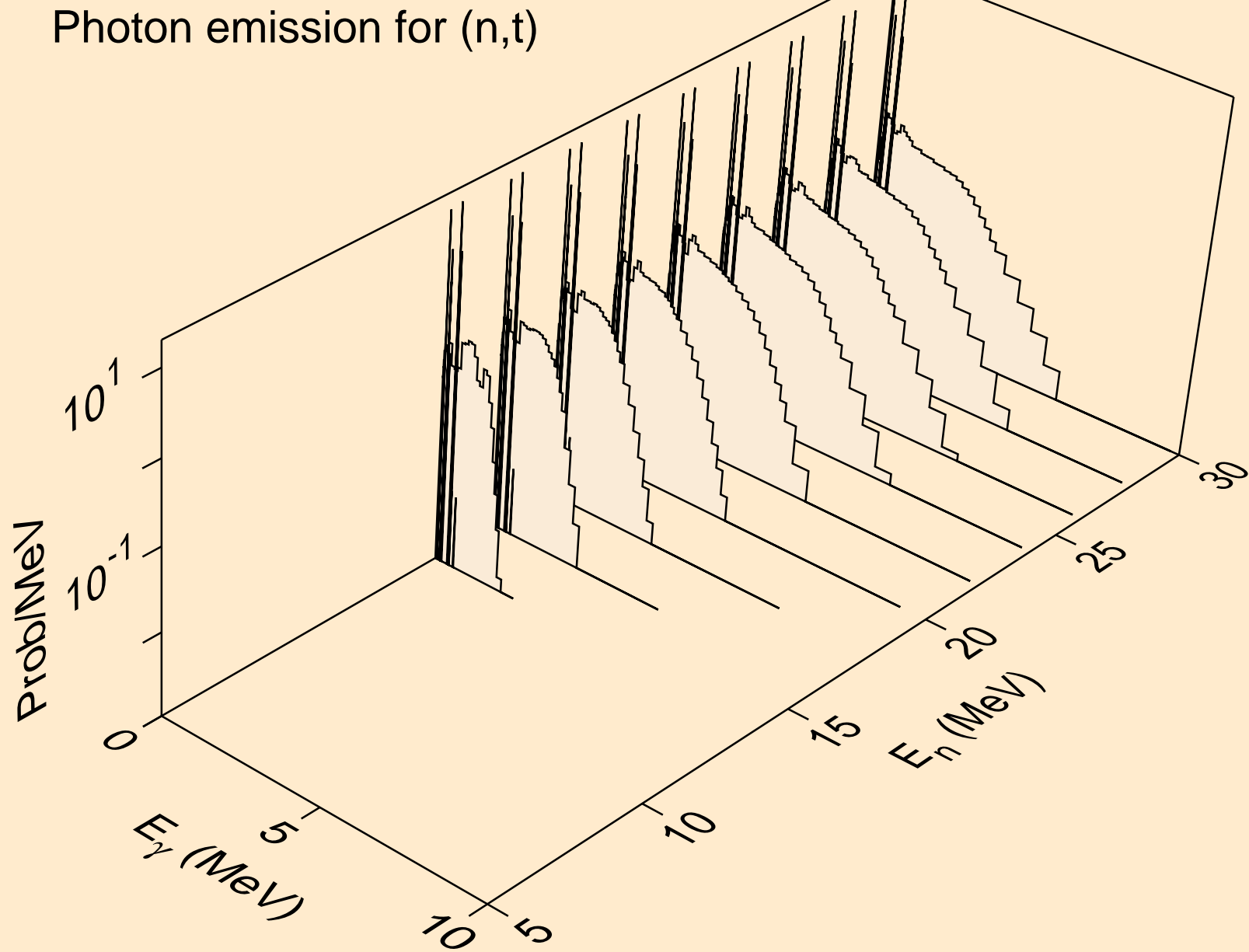


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Photon emission for (n,d)

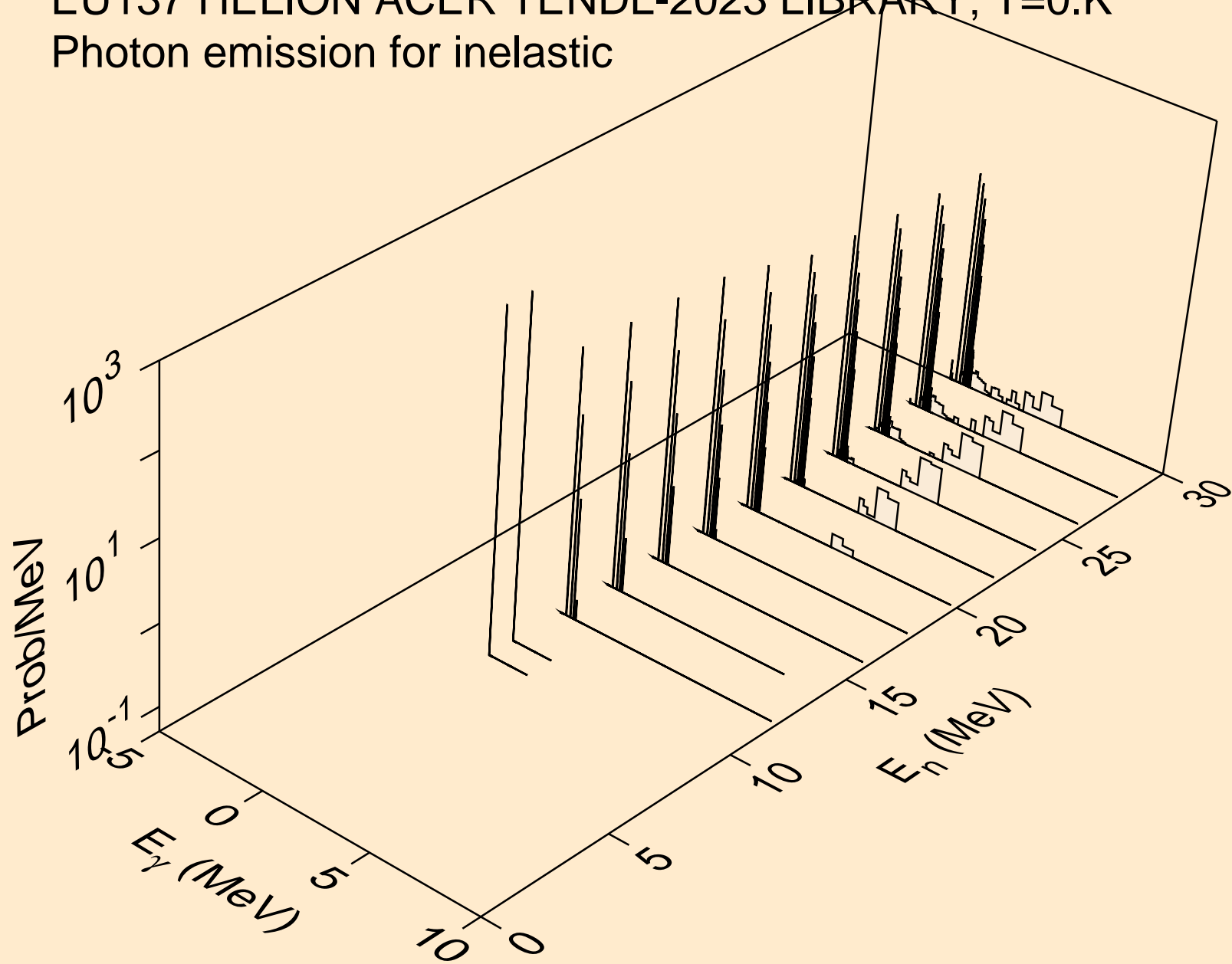




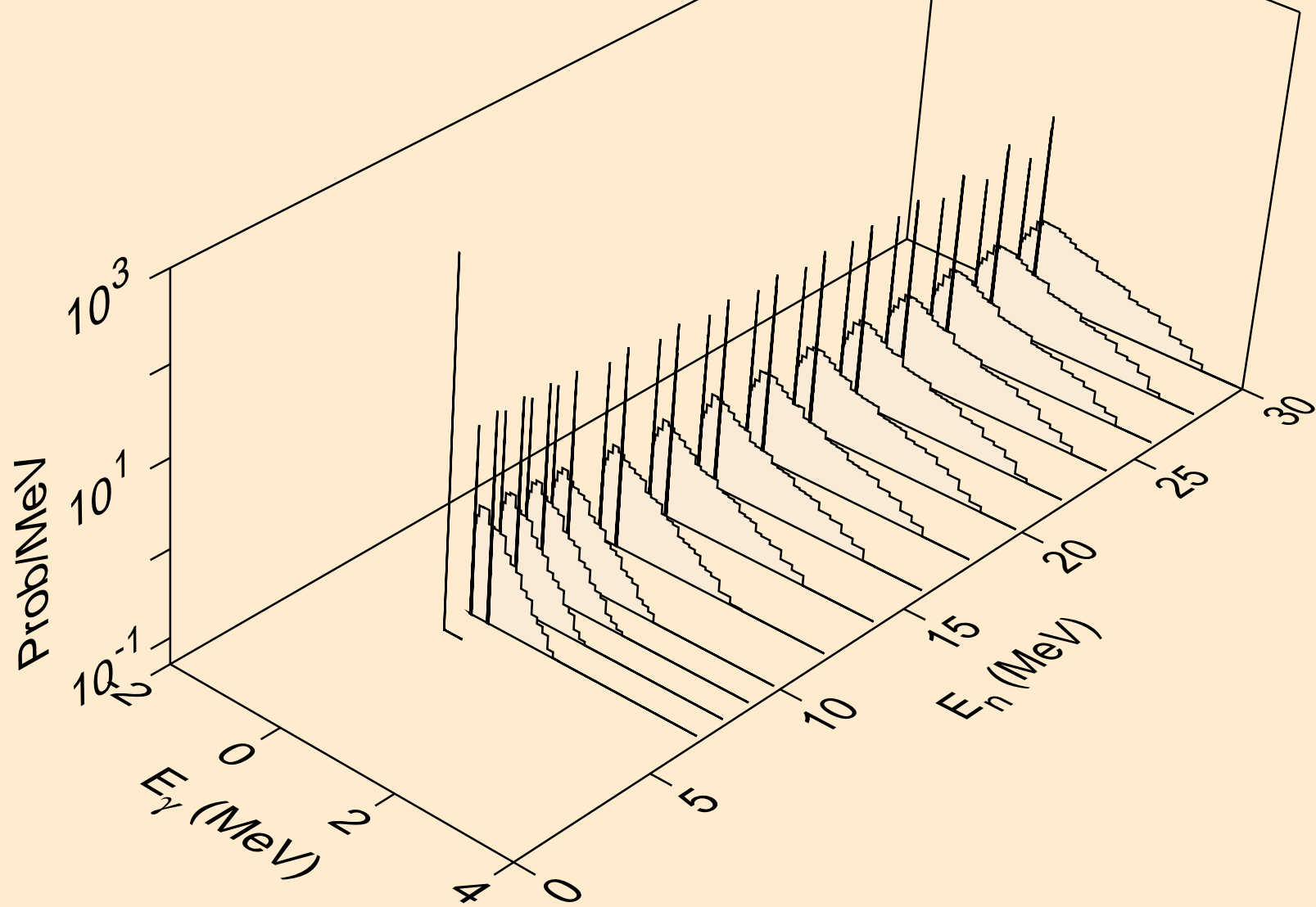
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Photon emission for (n,t)



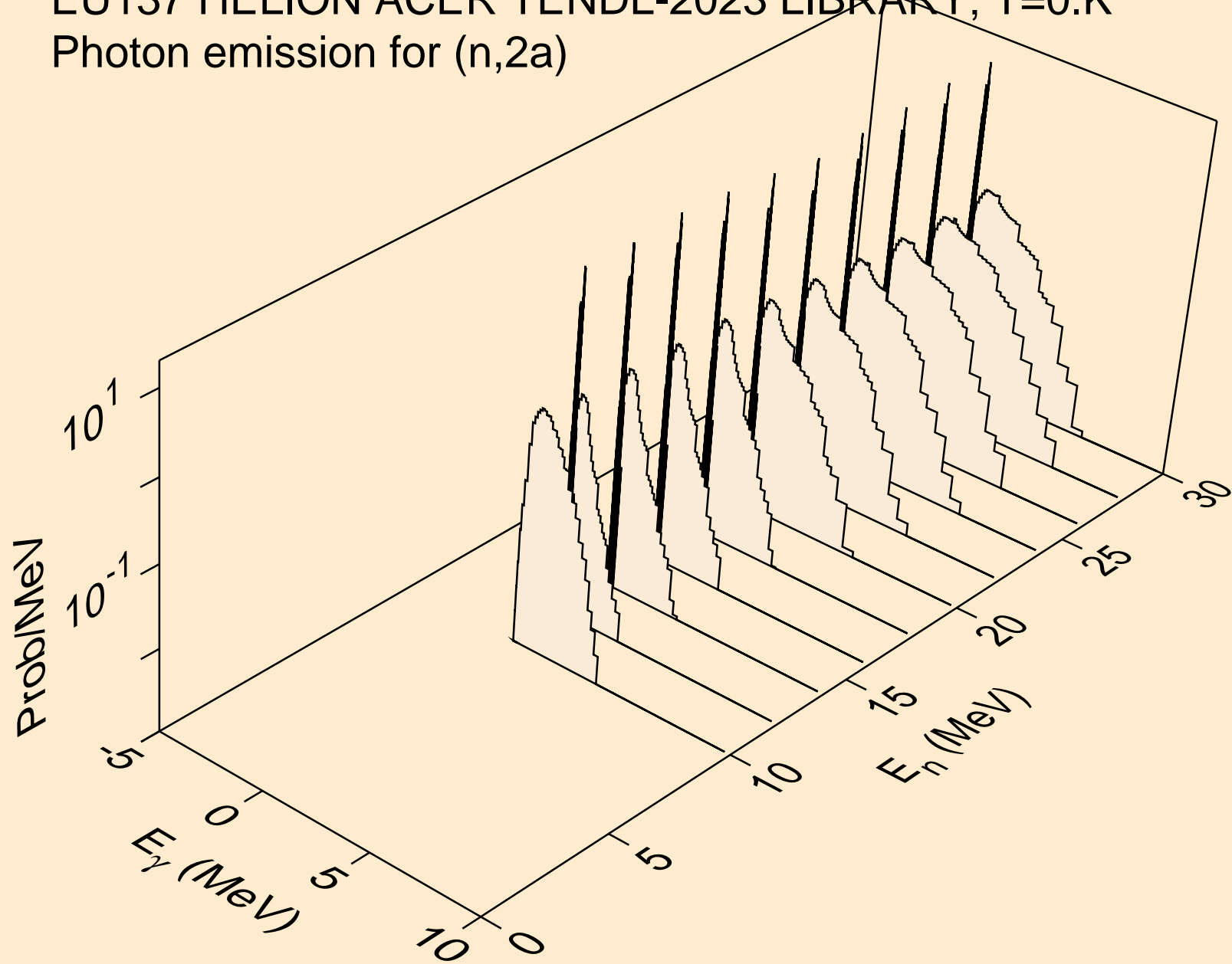
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Photon emission for inelastic



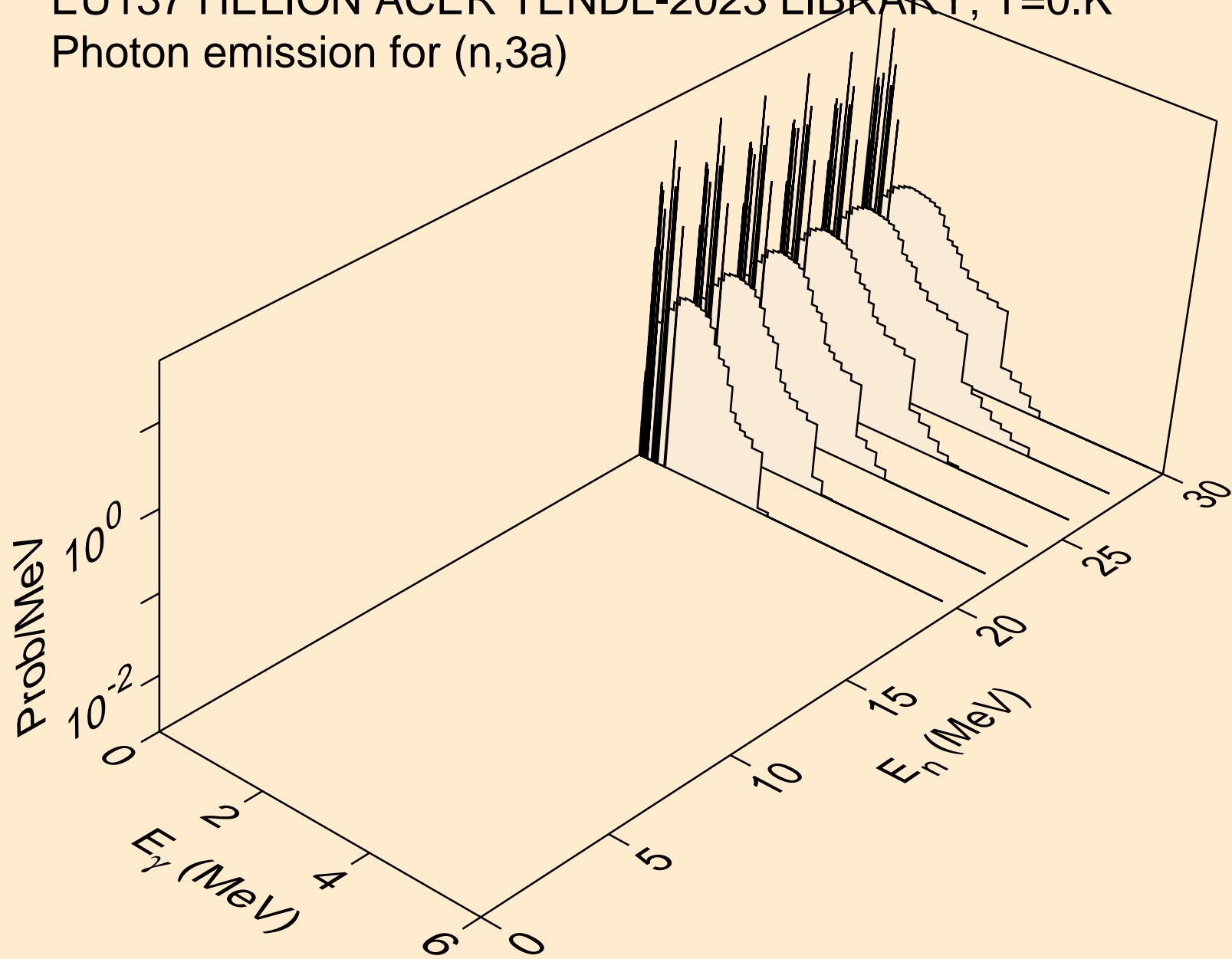
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Photon emission for (n,a)



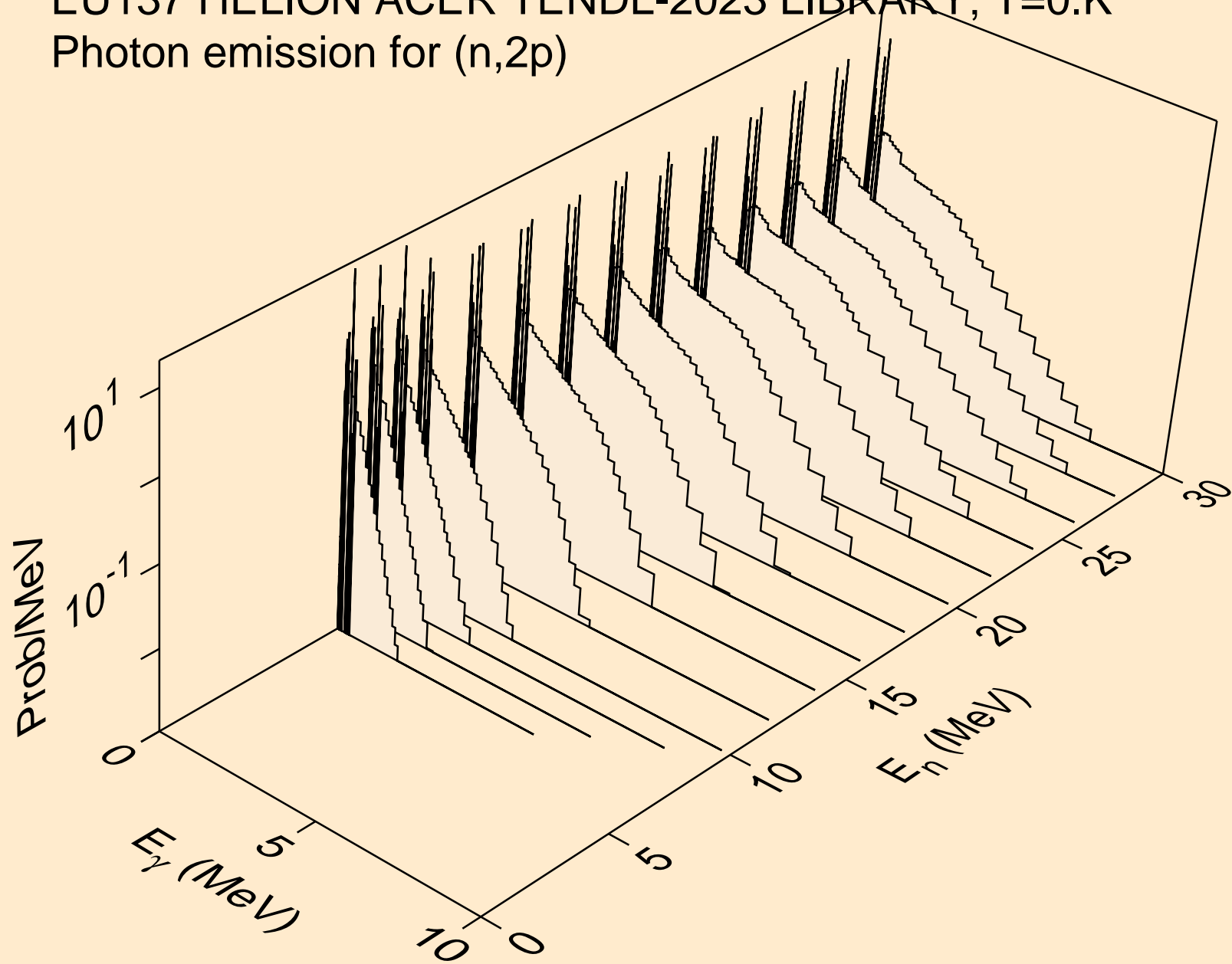
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Photon emission for (n,2a)



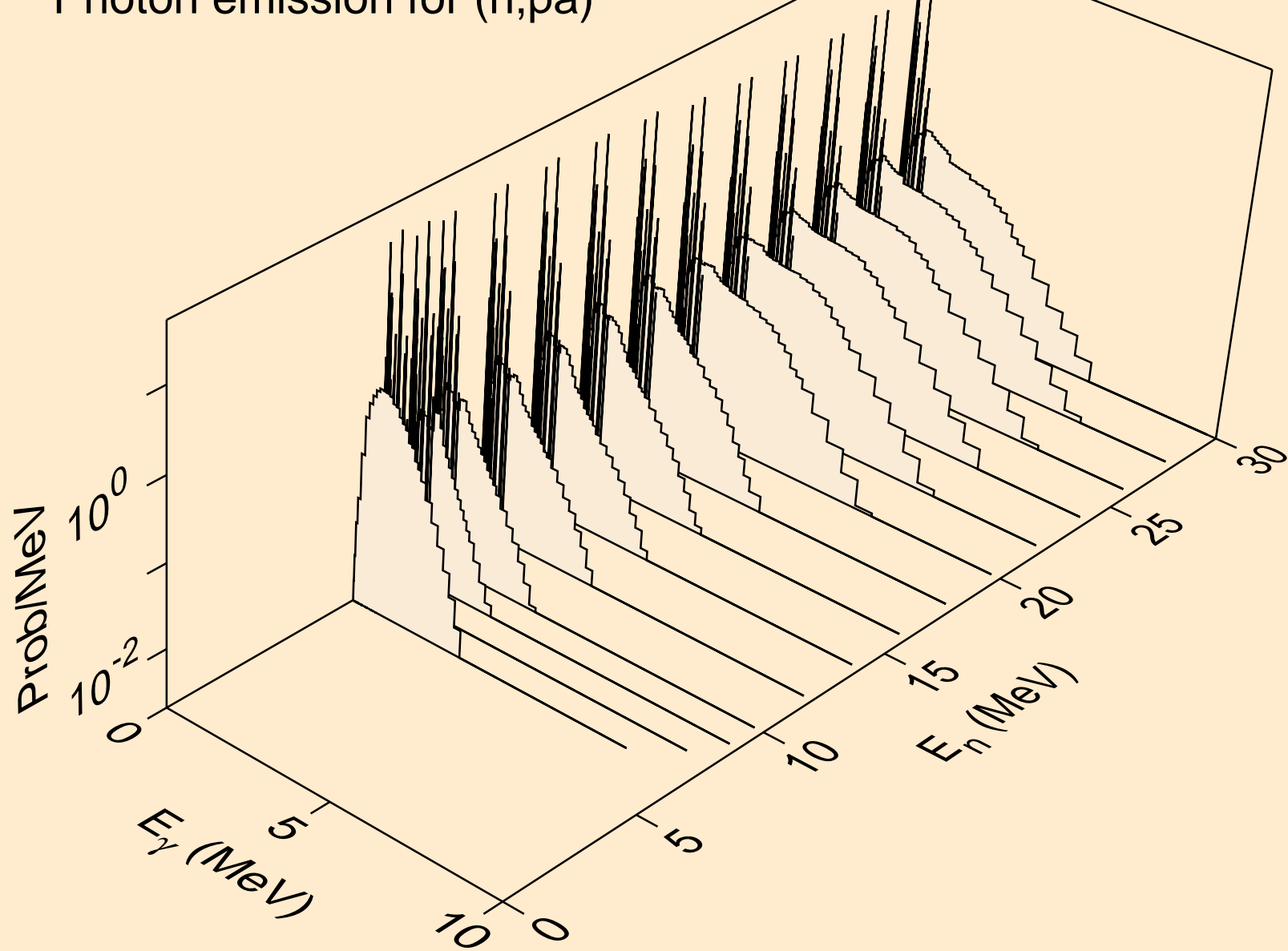
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Photon emission for (n,3a)



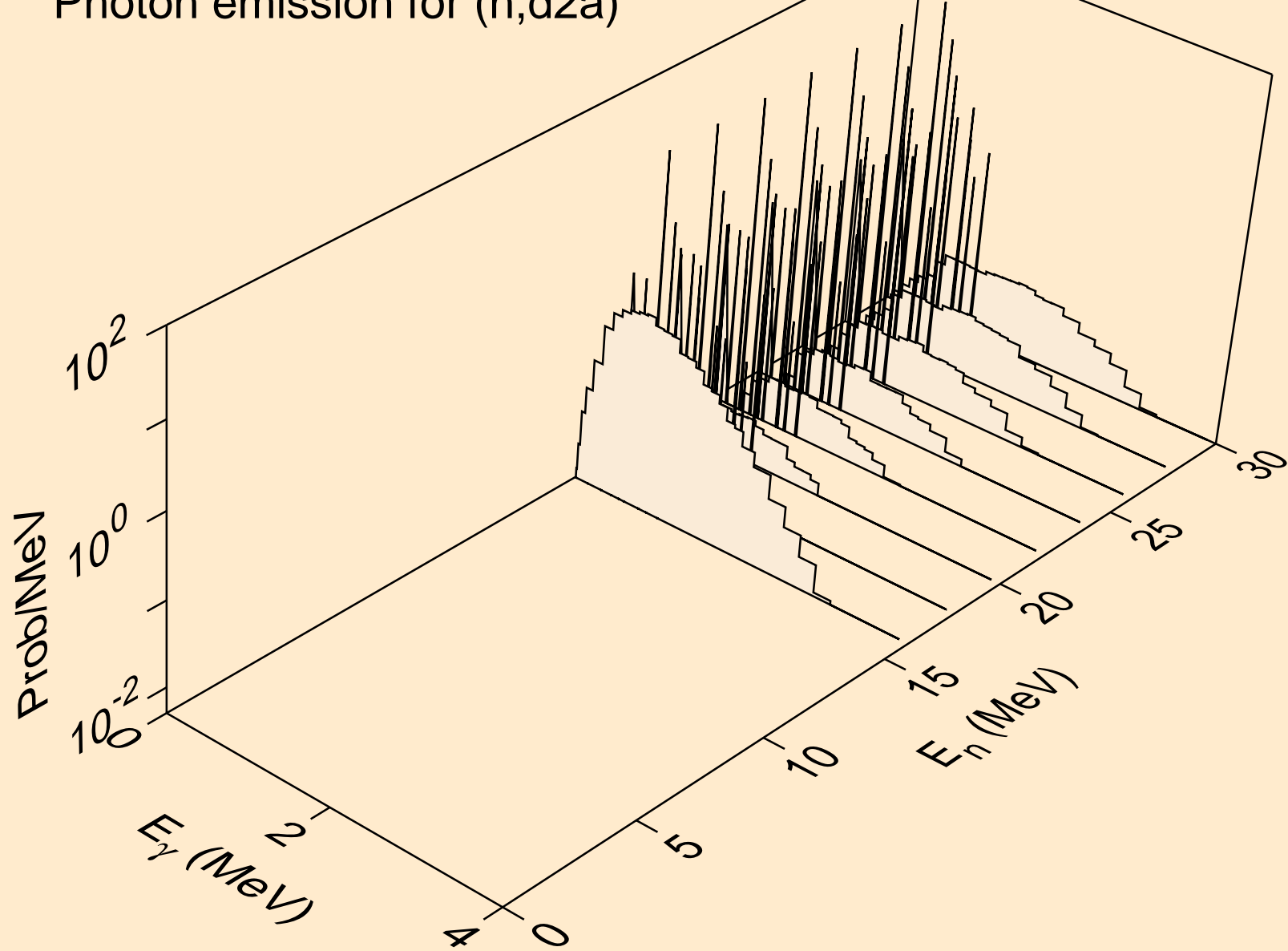
EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )

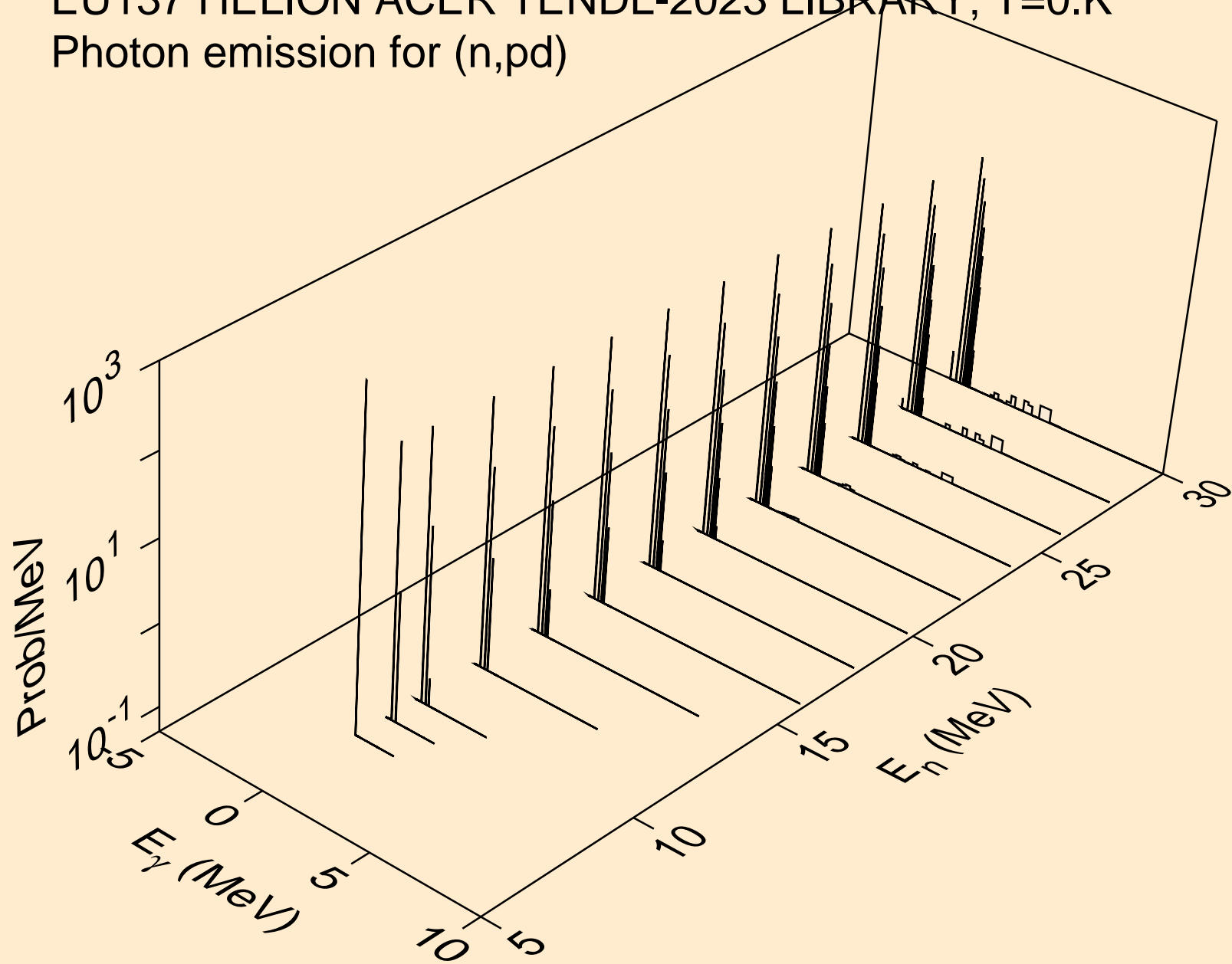


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Photon emission for (n,d2a)

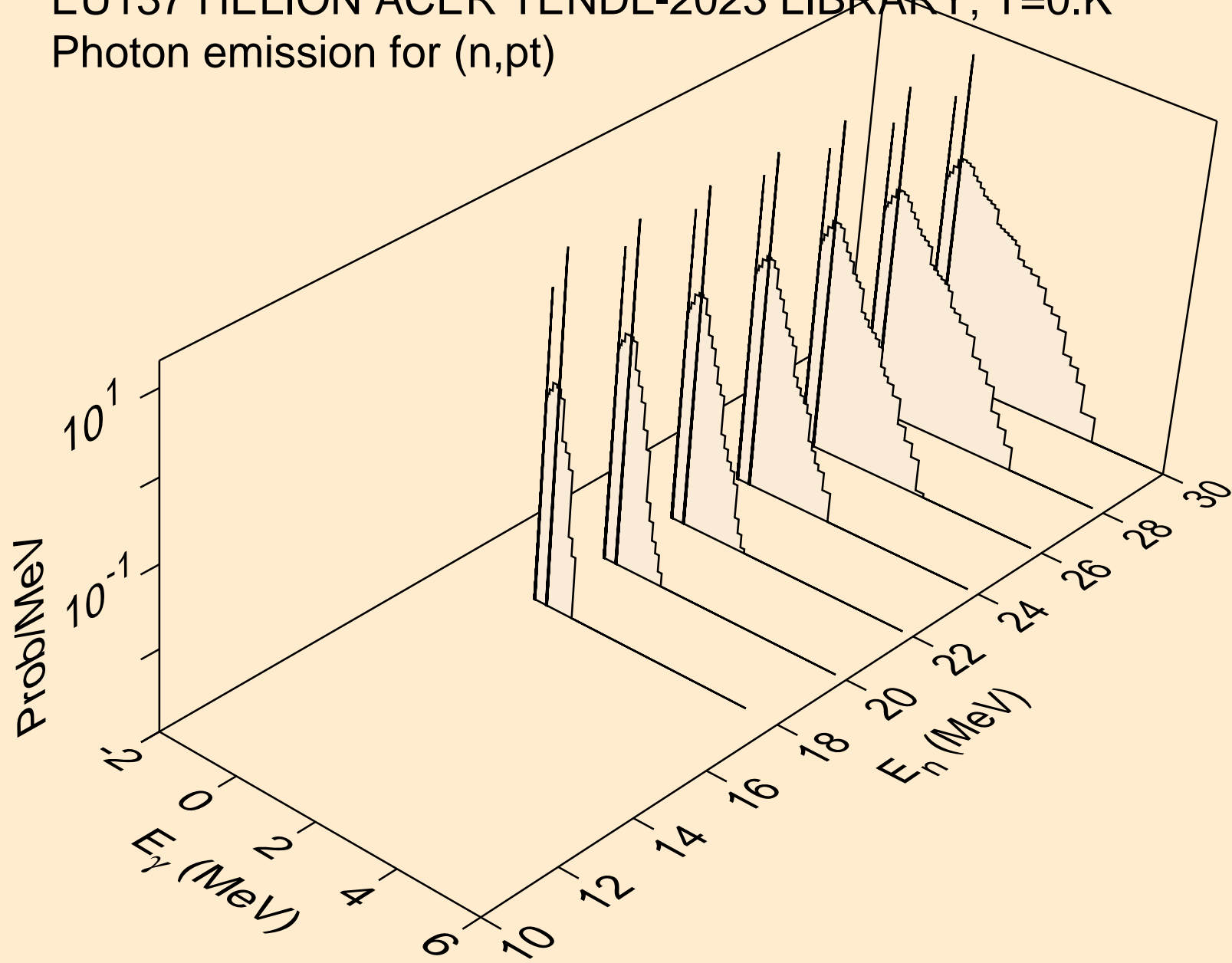




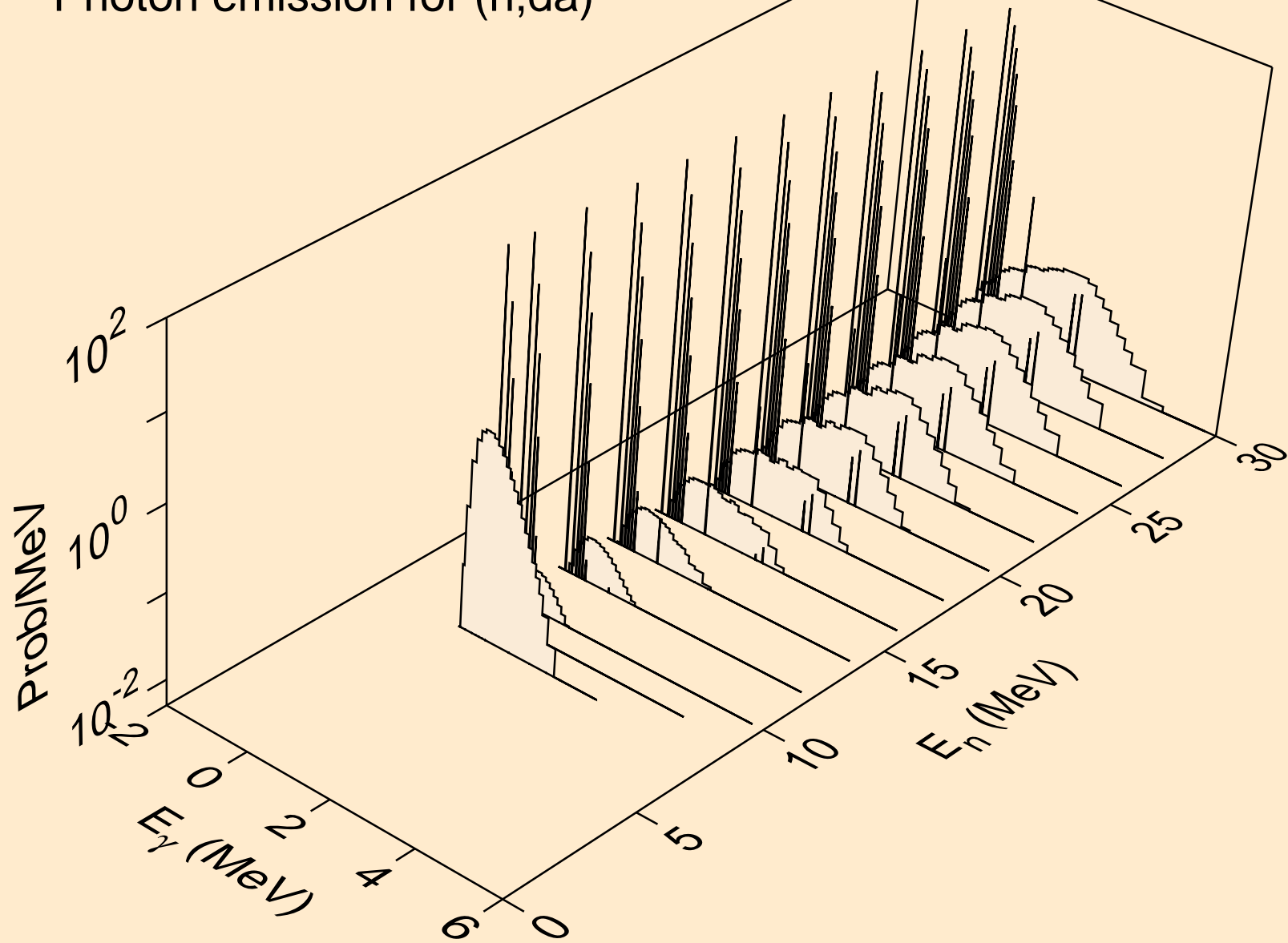
EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

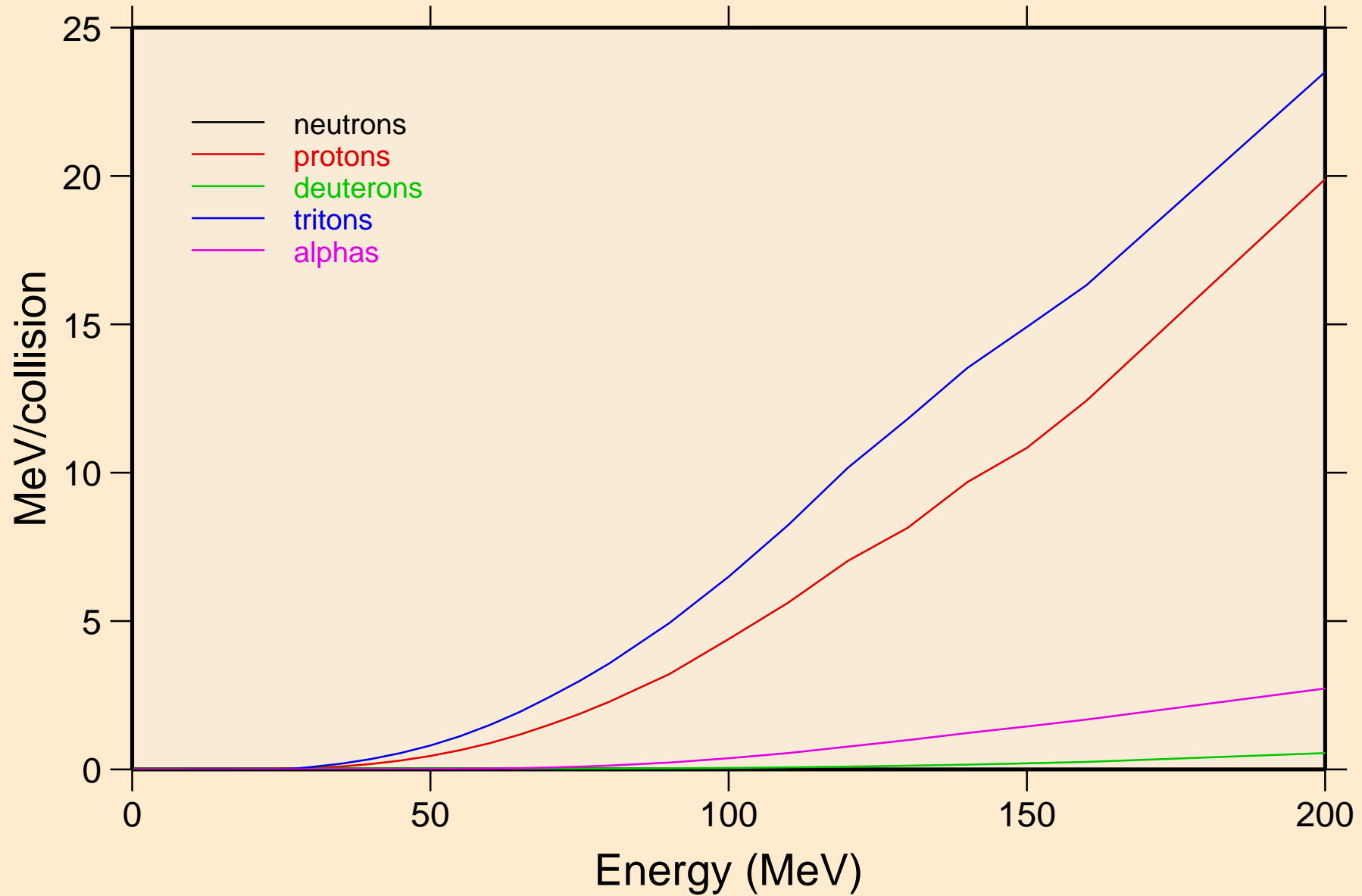


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Photon emission for (n,da)

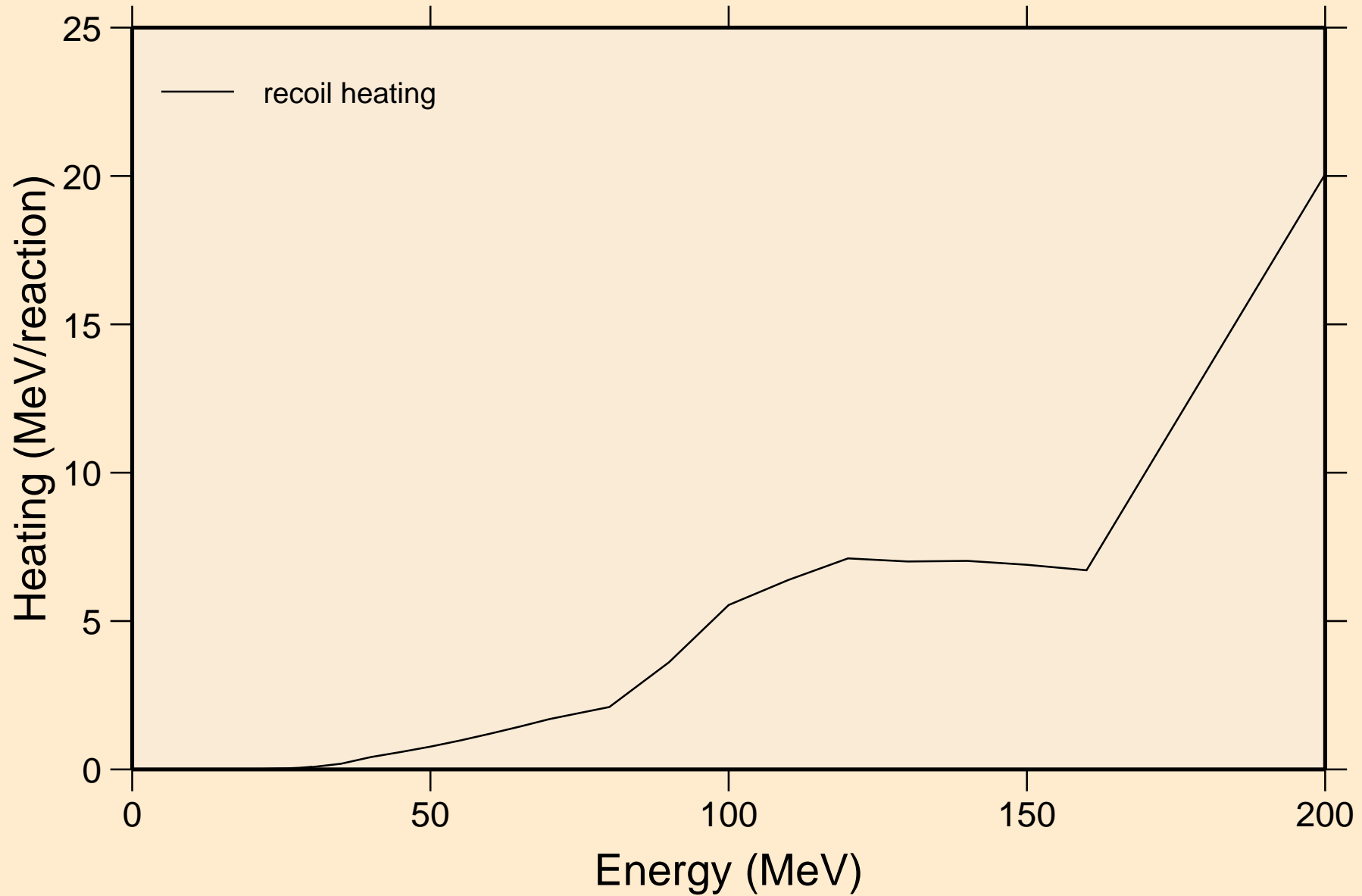


# EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K

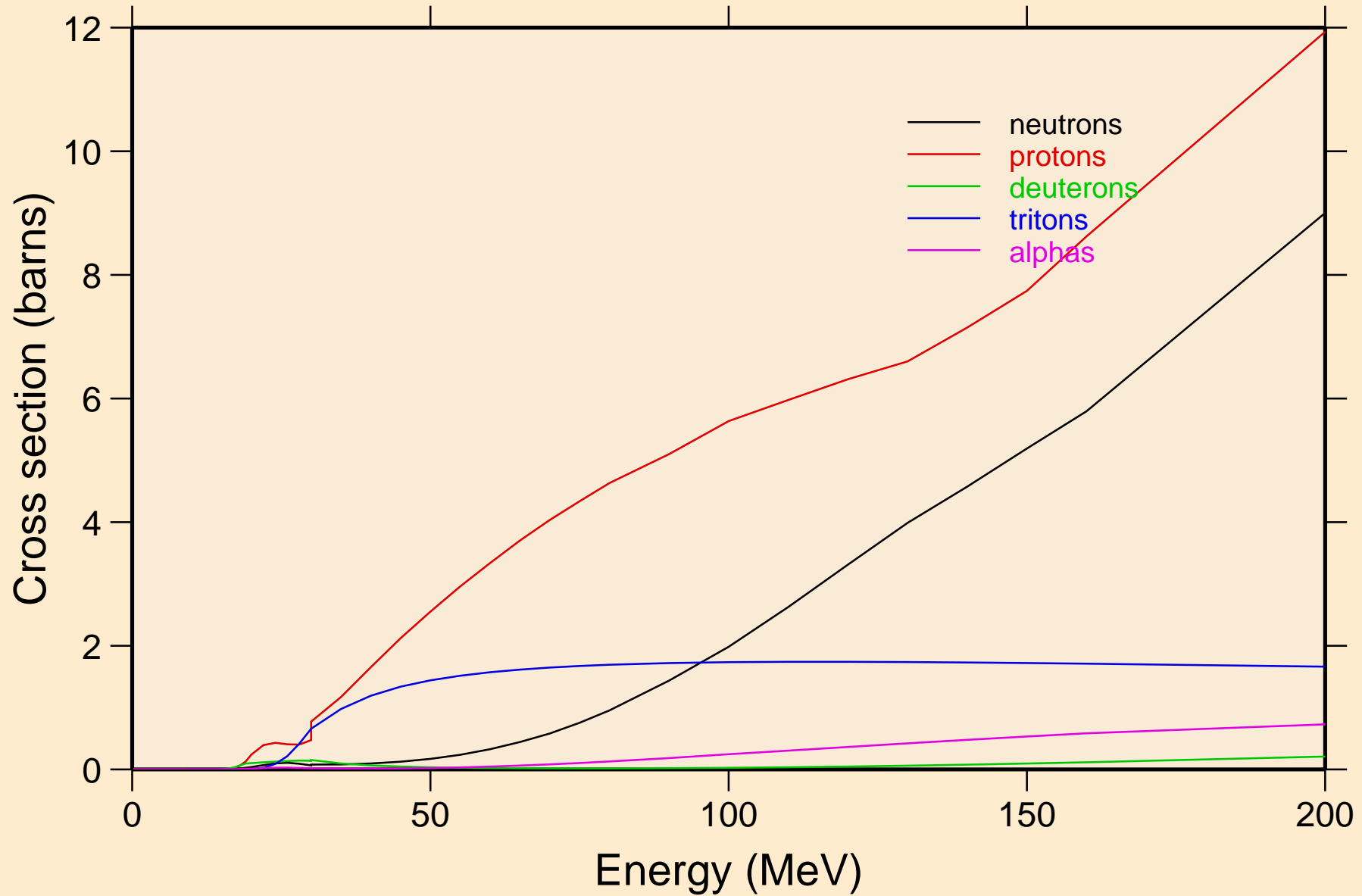
## Particle heating contributions



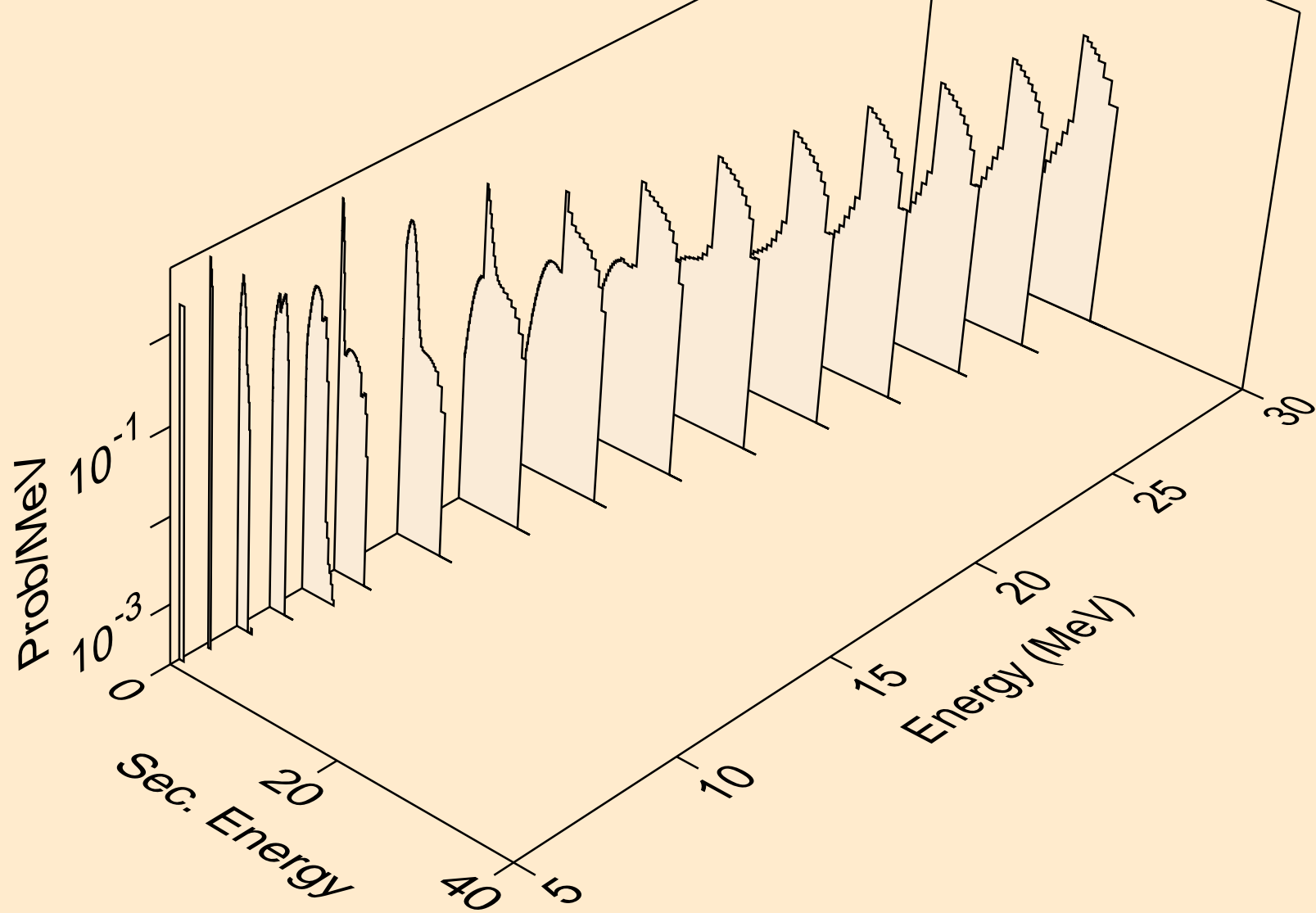
EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



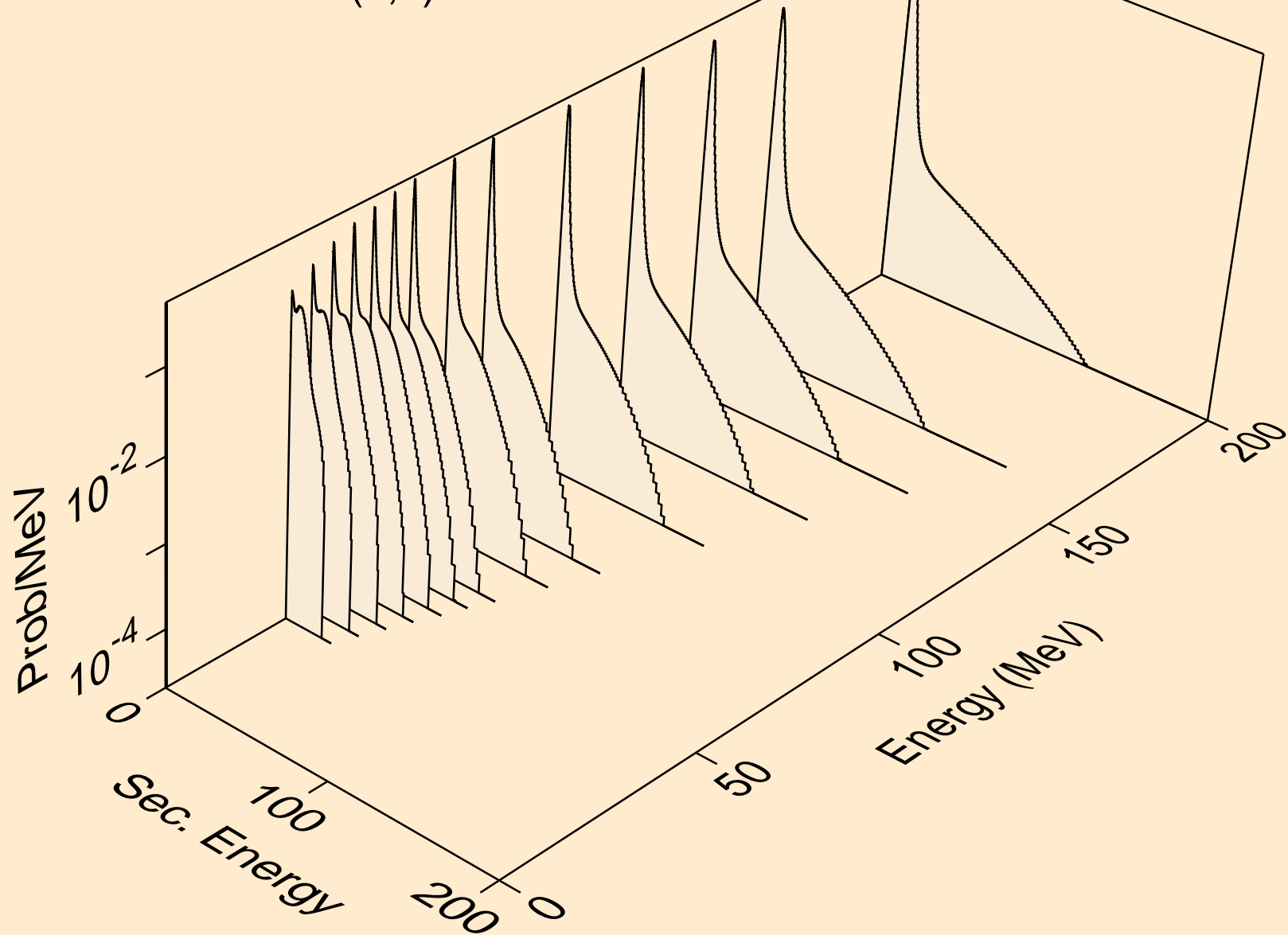
EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)

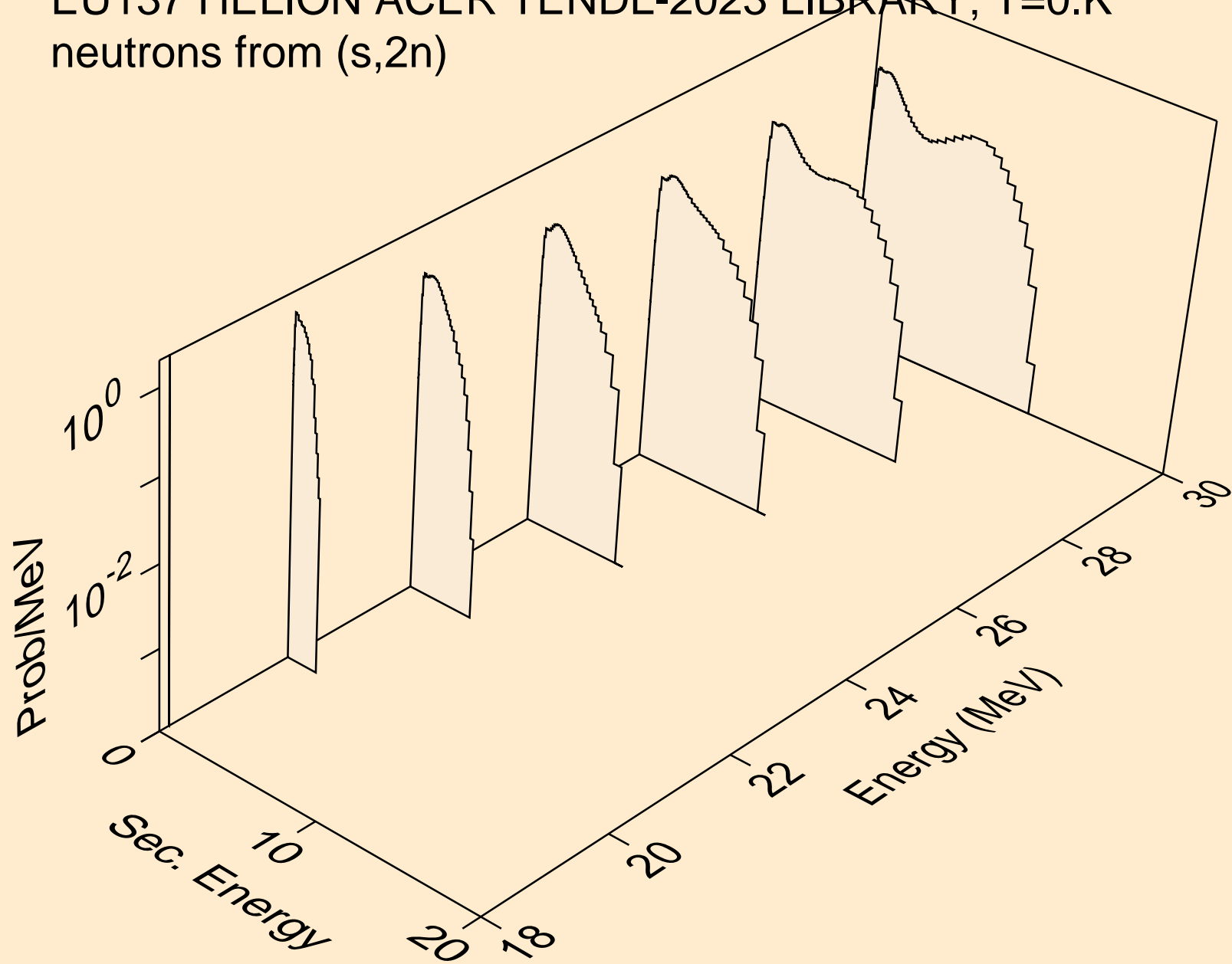


EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,x)

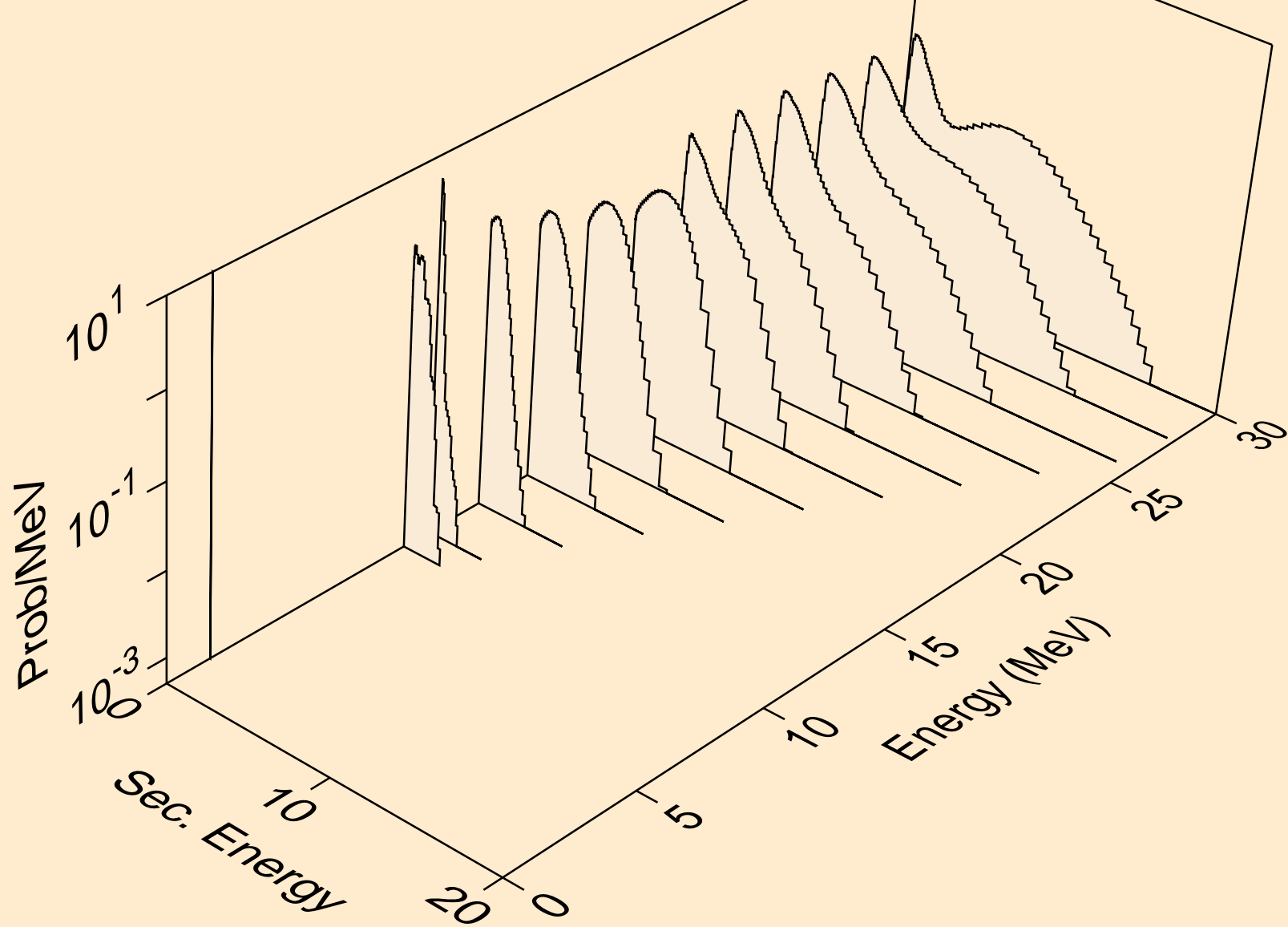




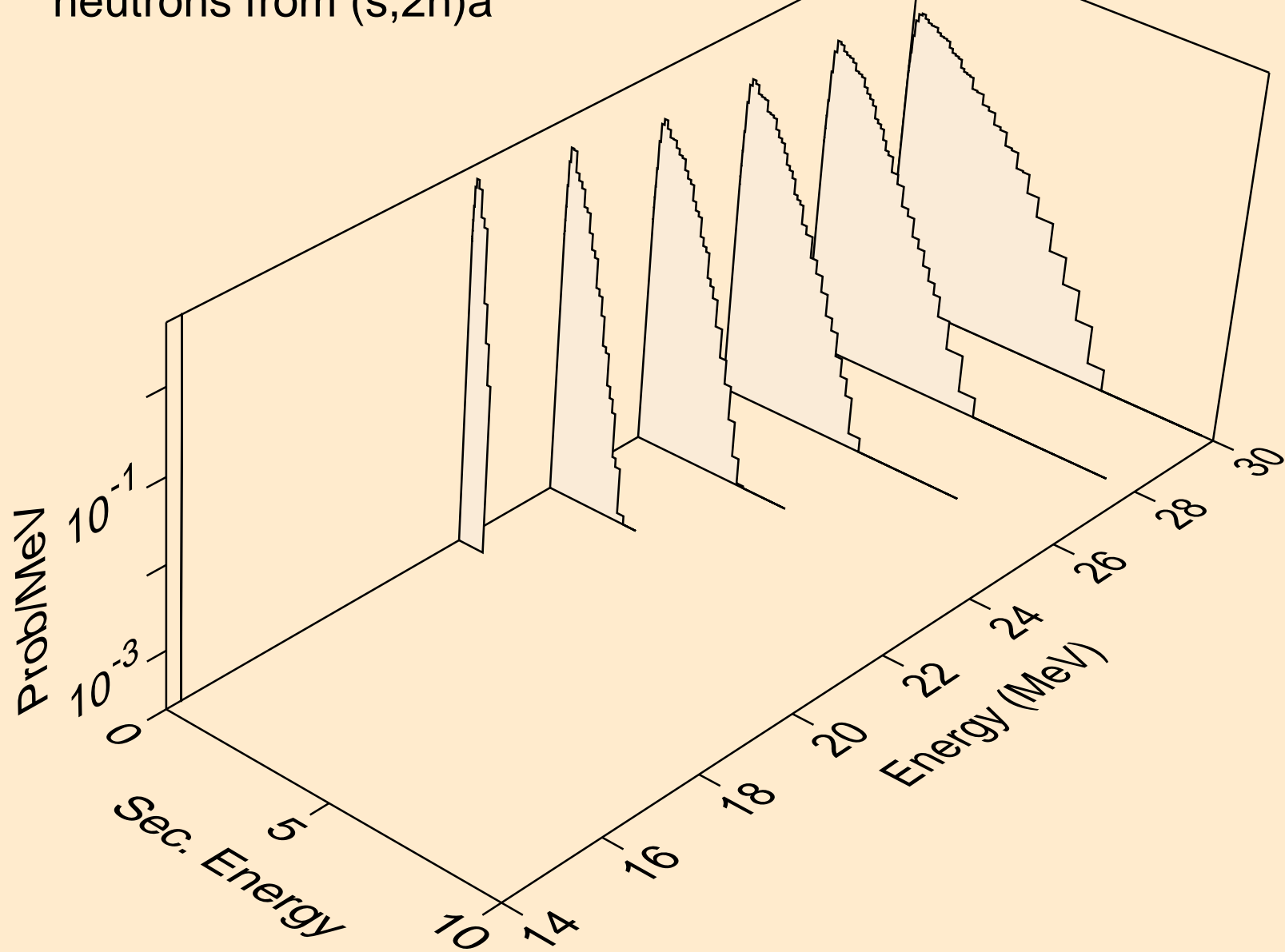
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neutrons from (s,2n)



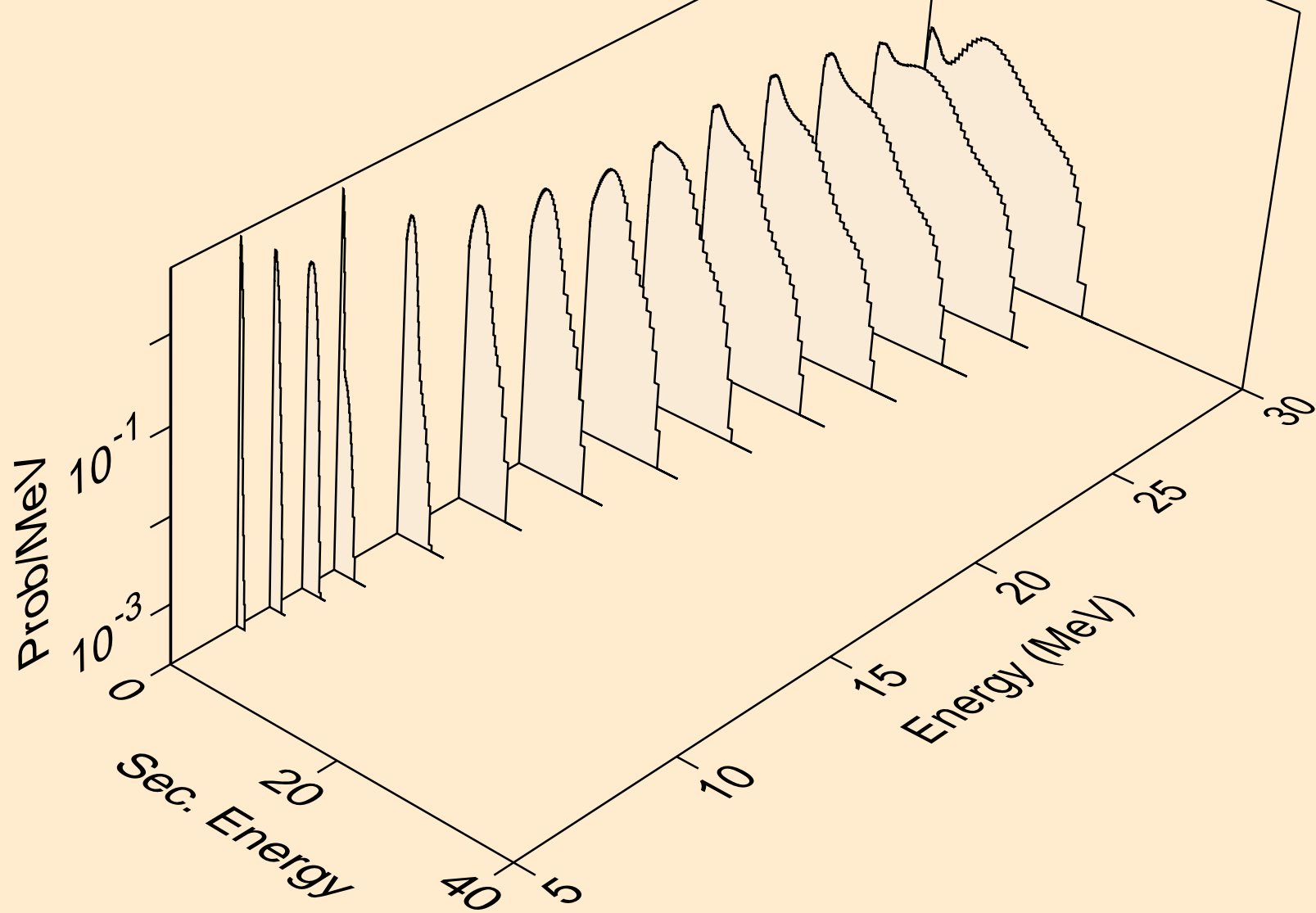
EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a



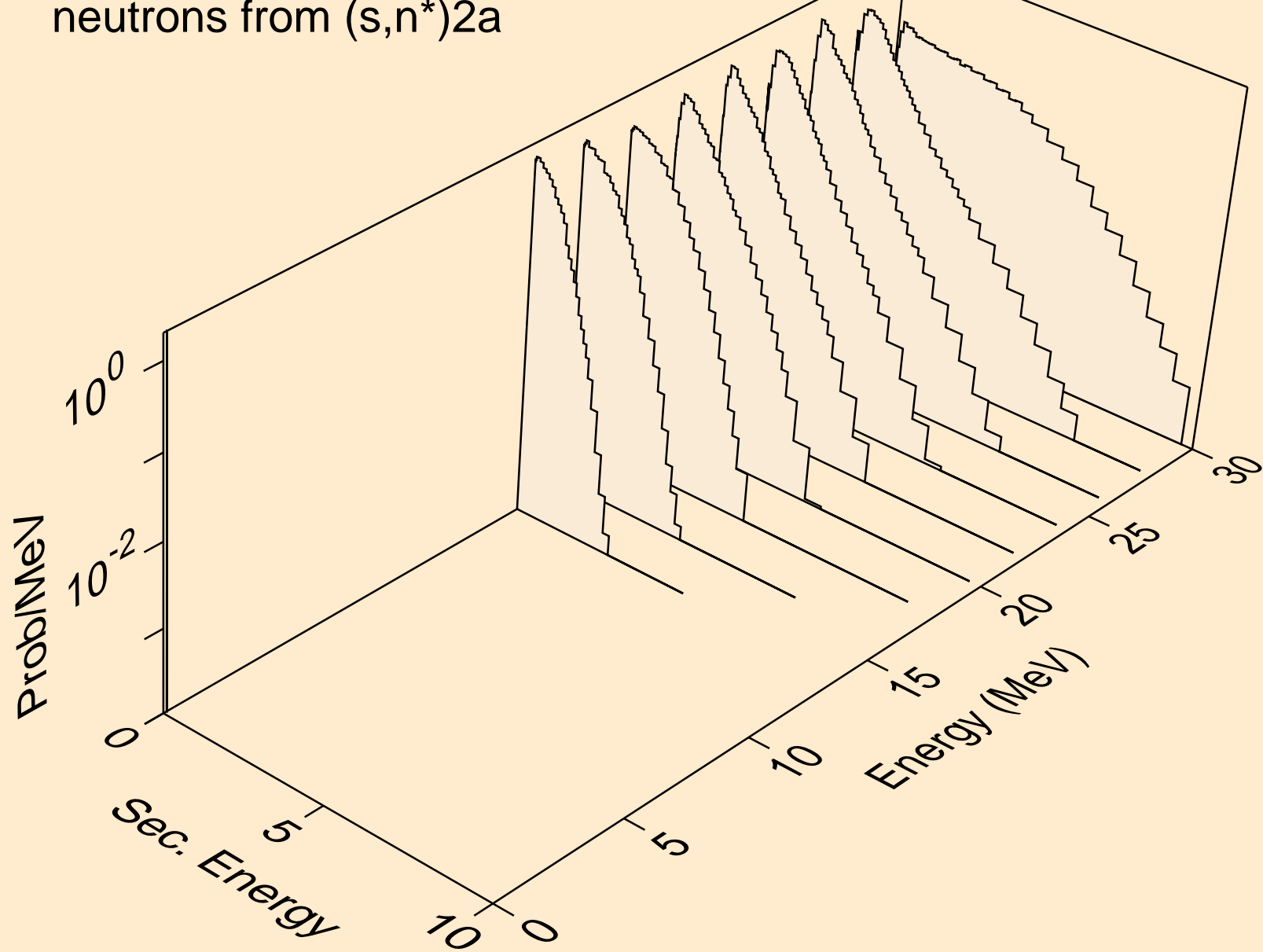
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neutrons from (s,2n)a



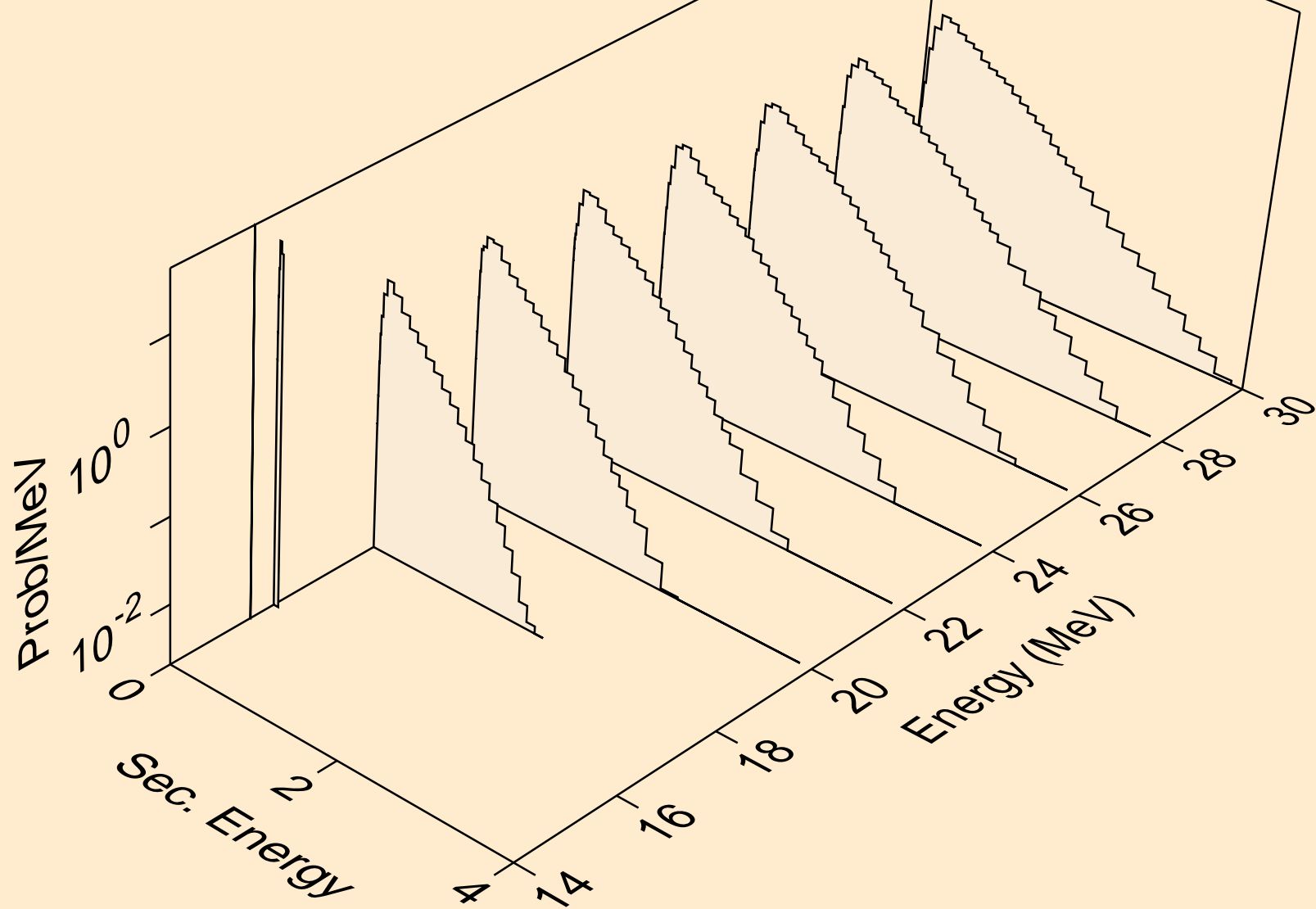
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neutrons from (s,n\*)p



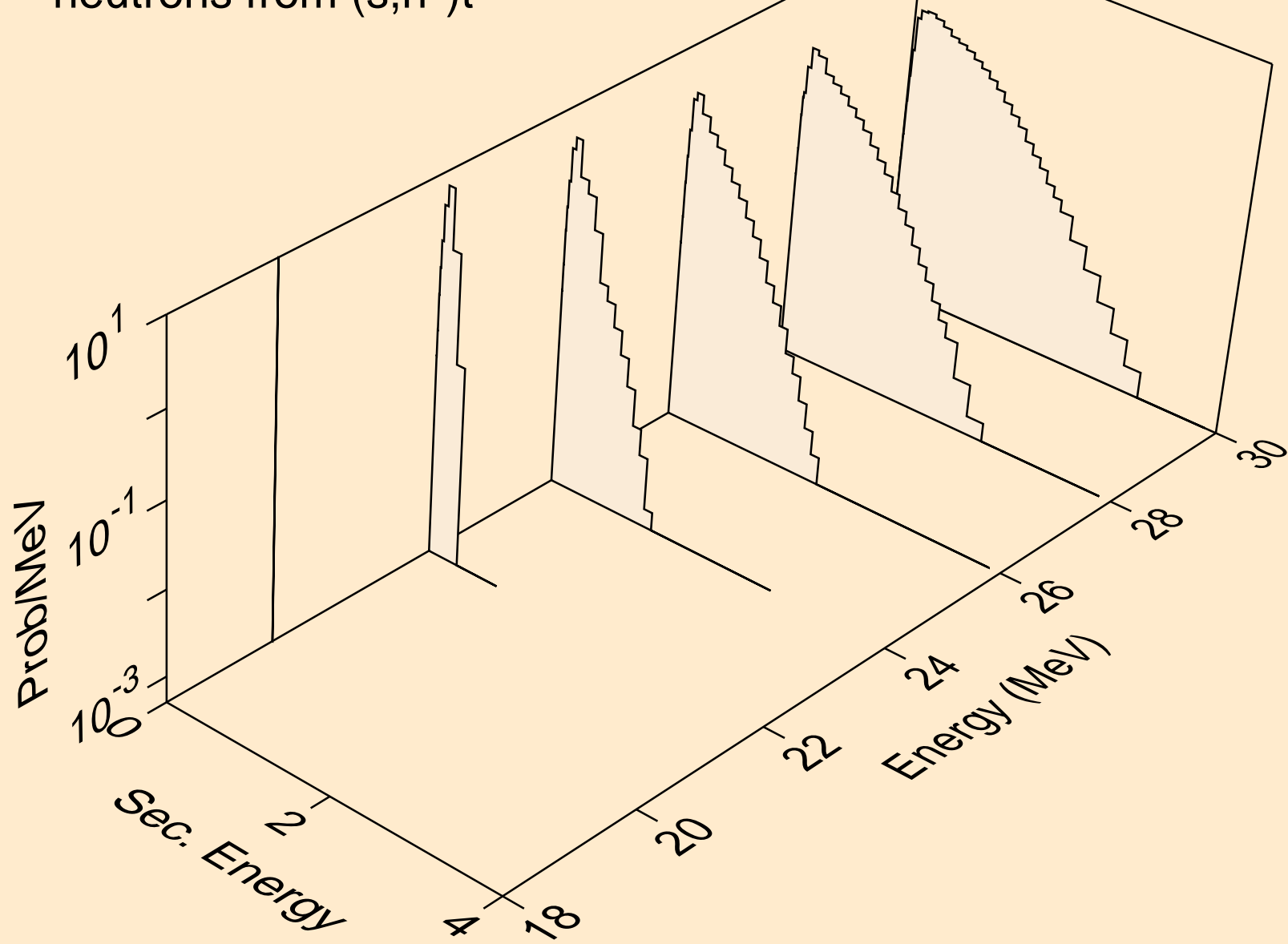
EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)2a



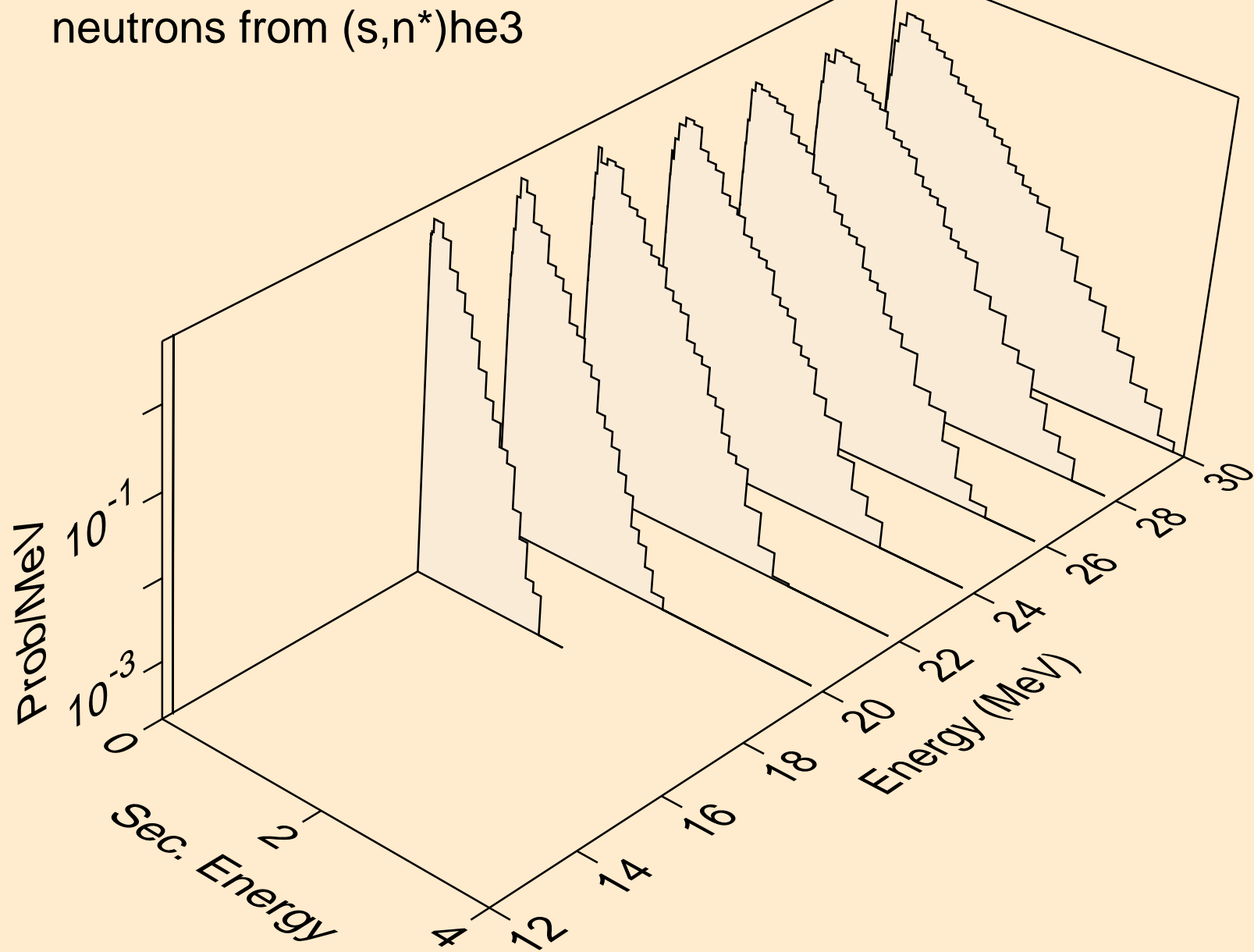
EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)d



EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)t

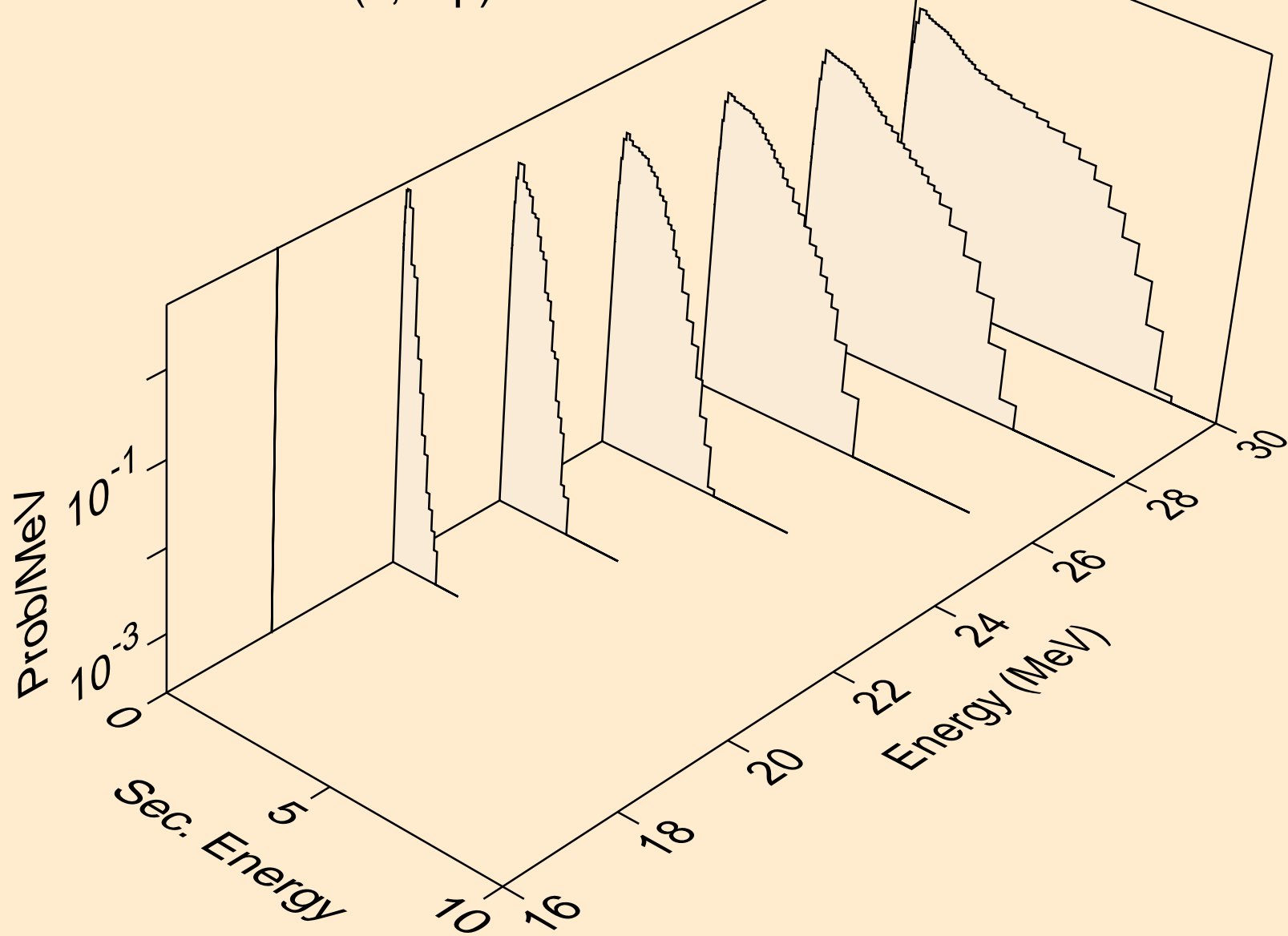


EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

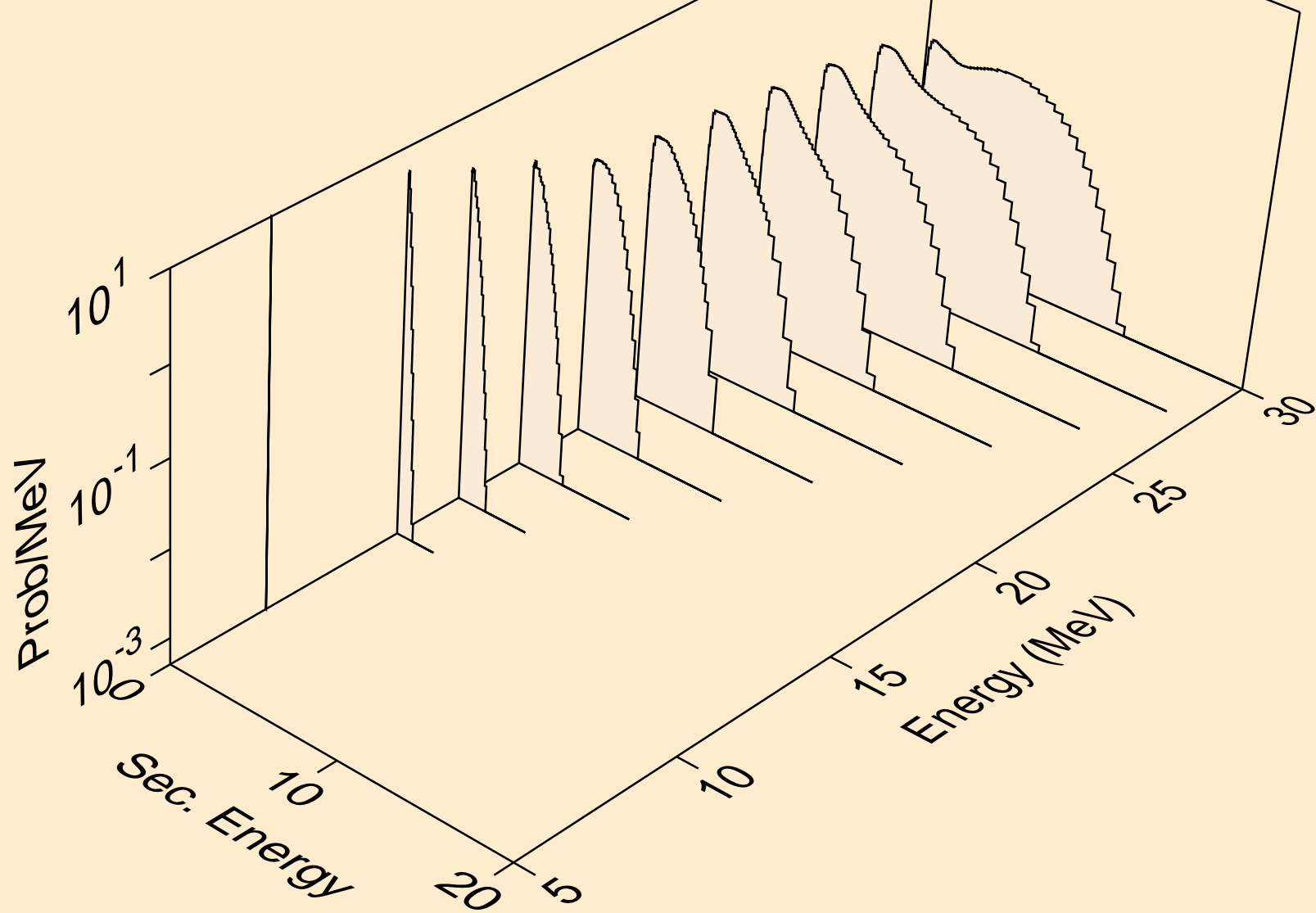




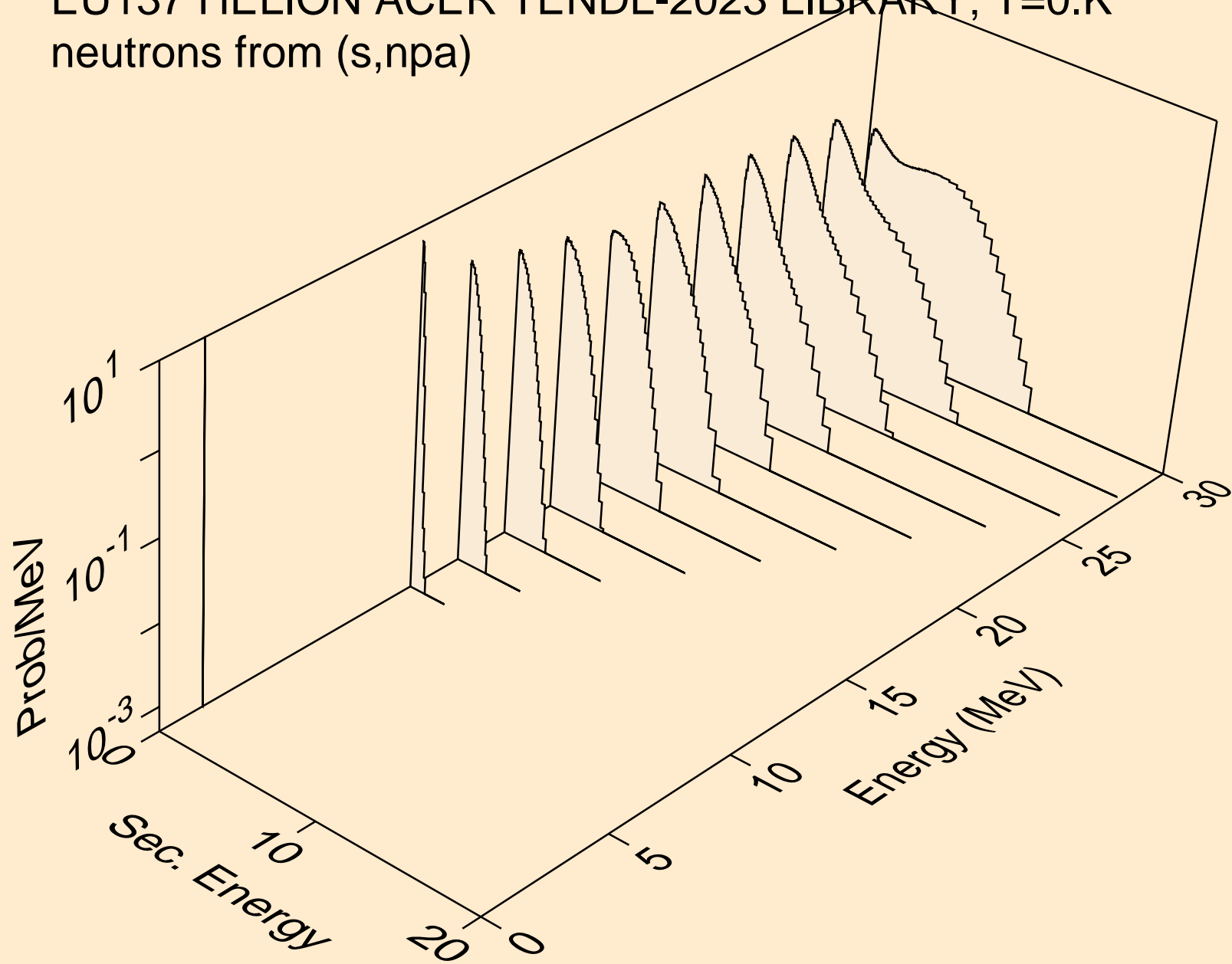
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neutrons from (s,2np)



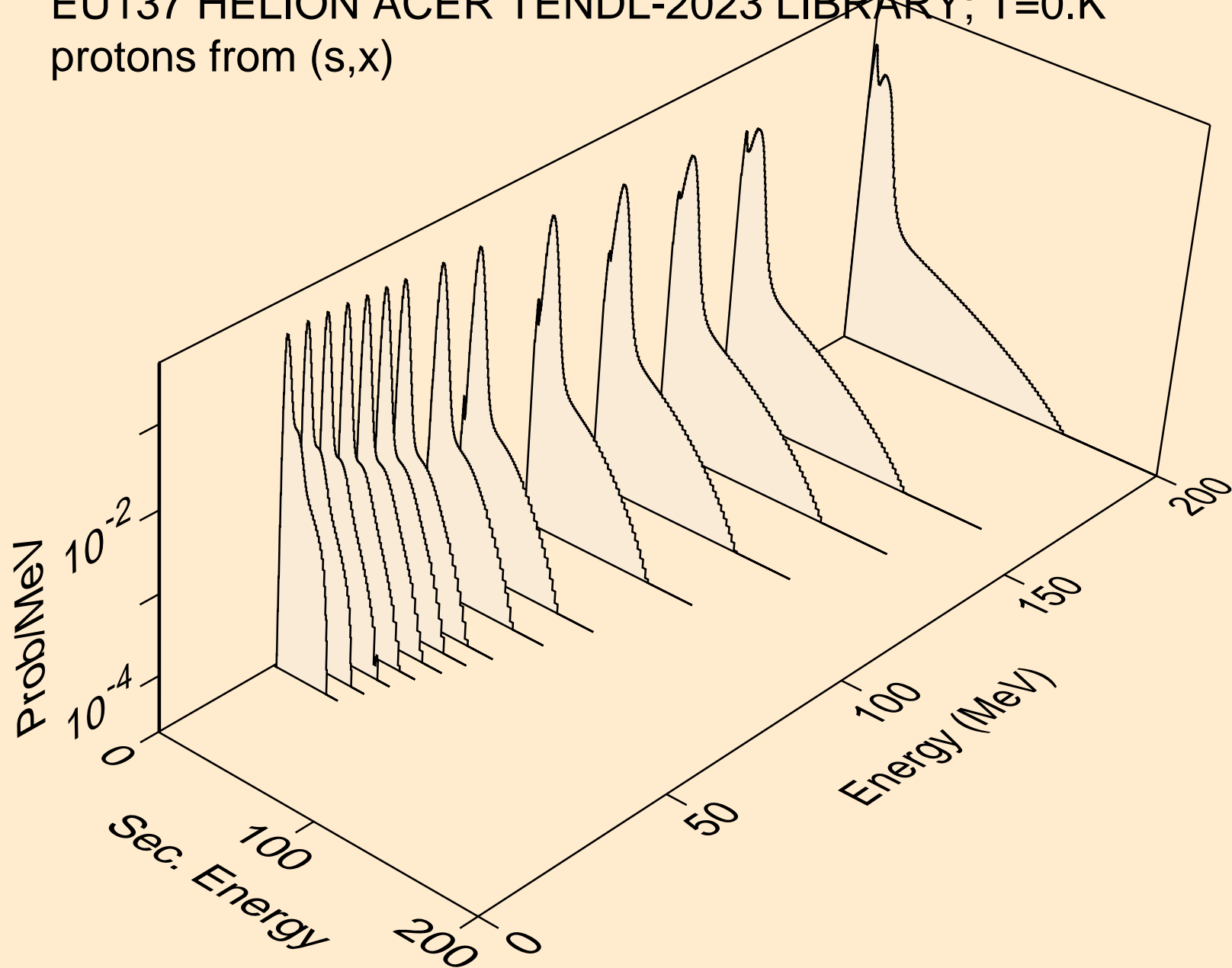
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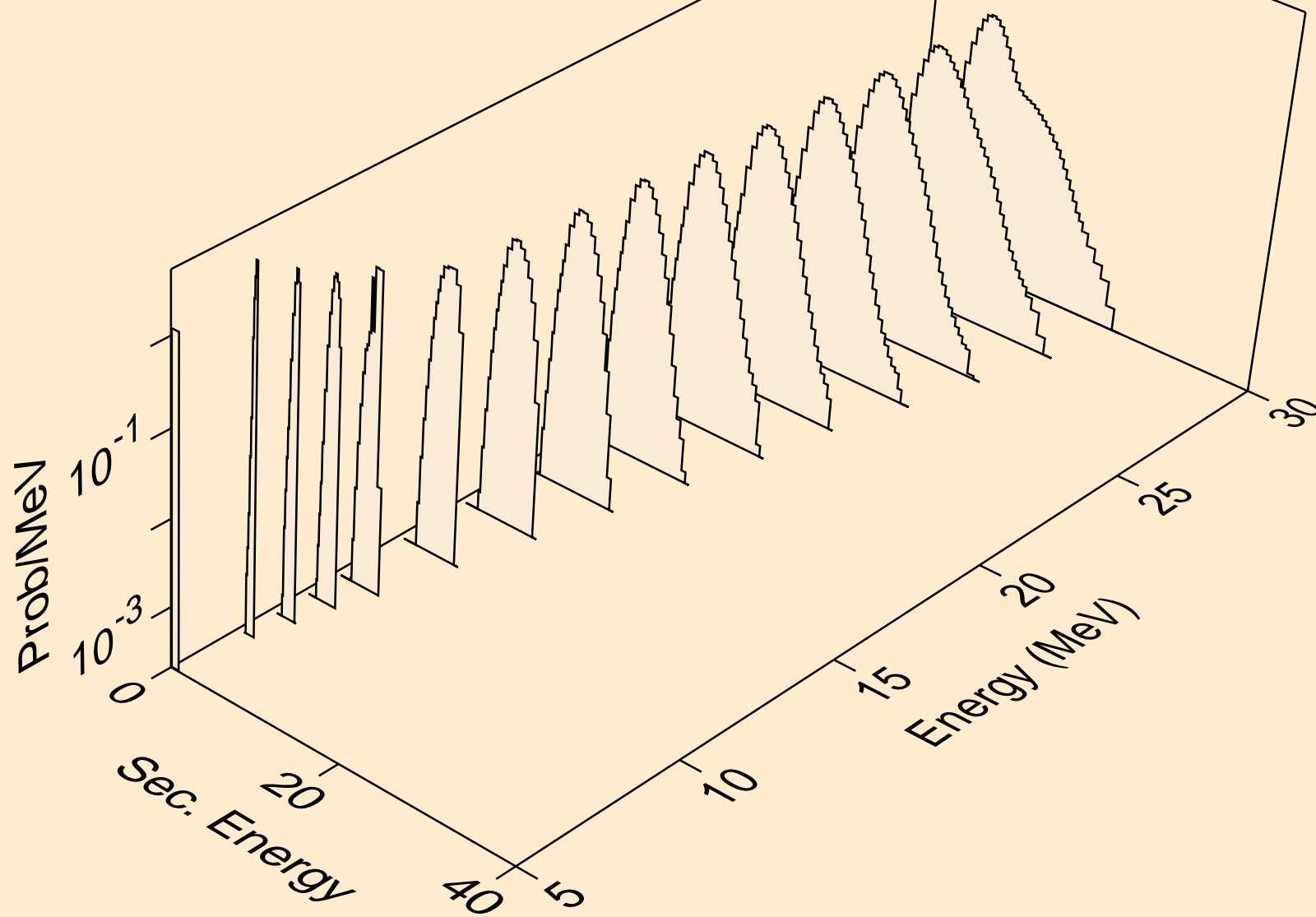
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neutrons from (s,npa)



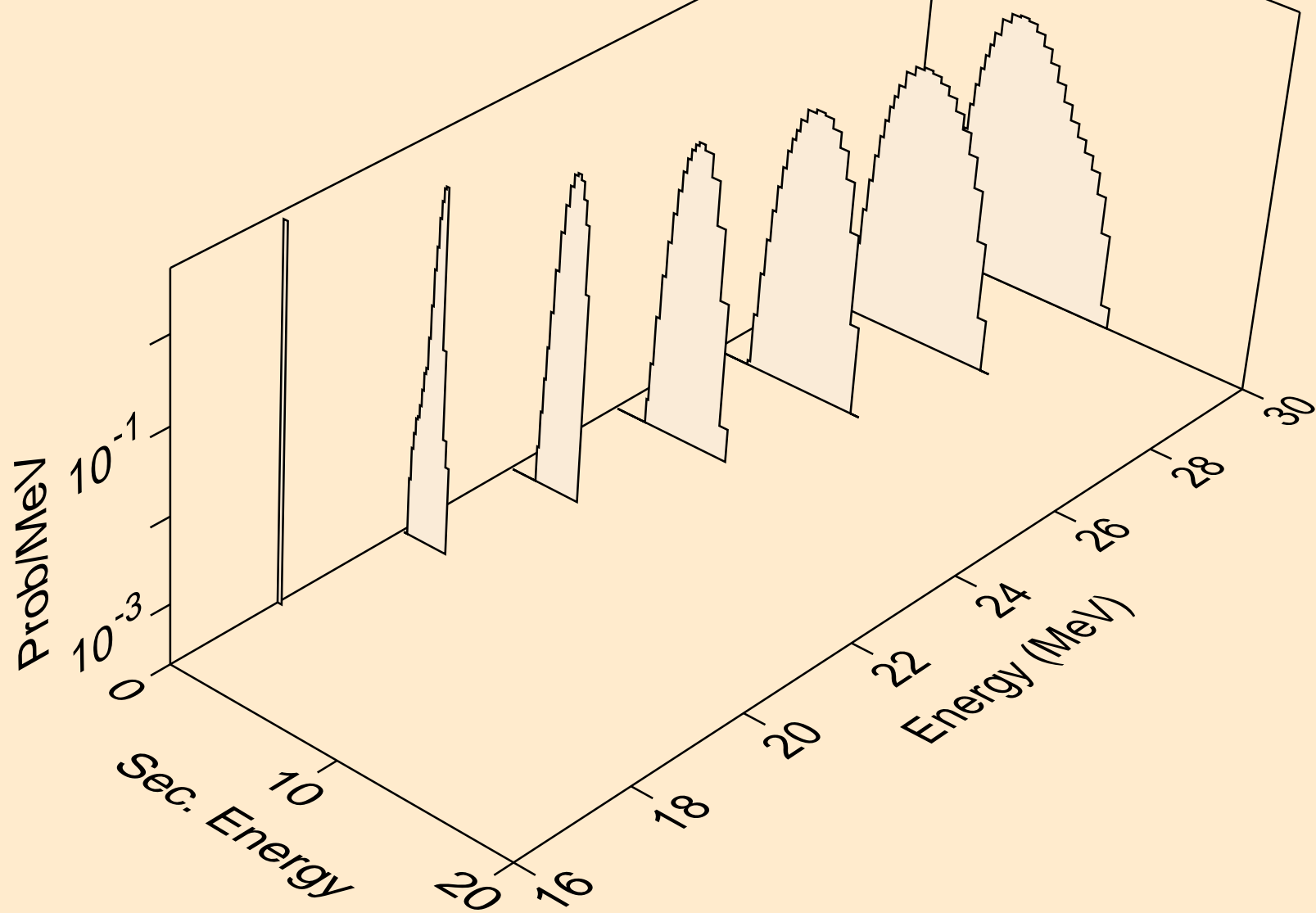
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protons from (s,x)



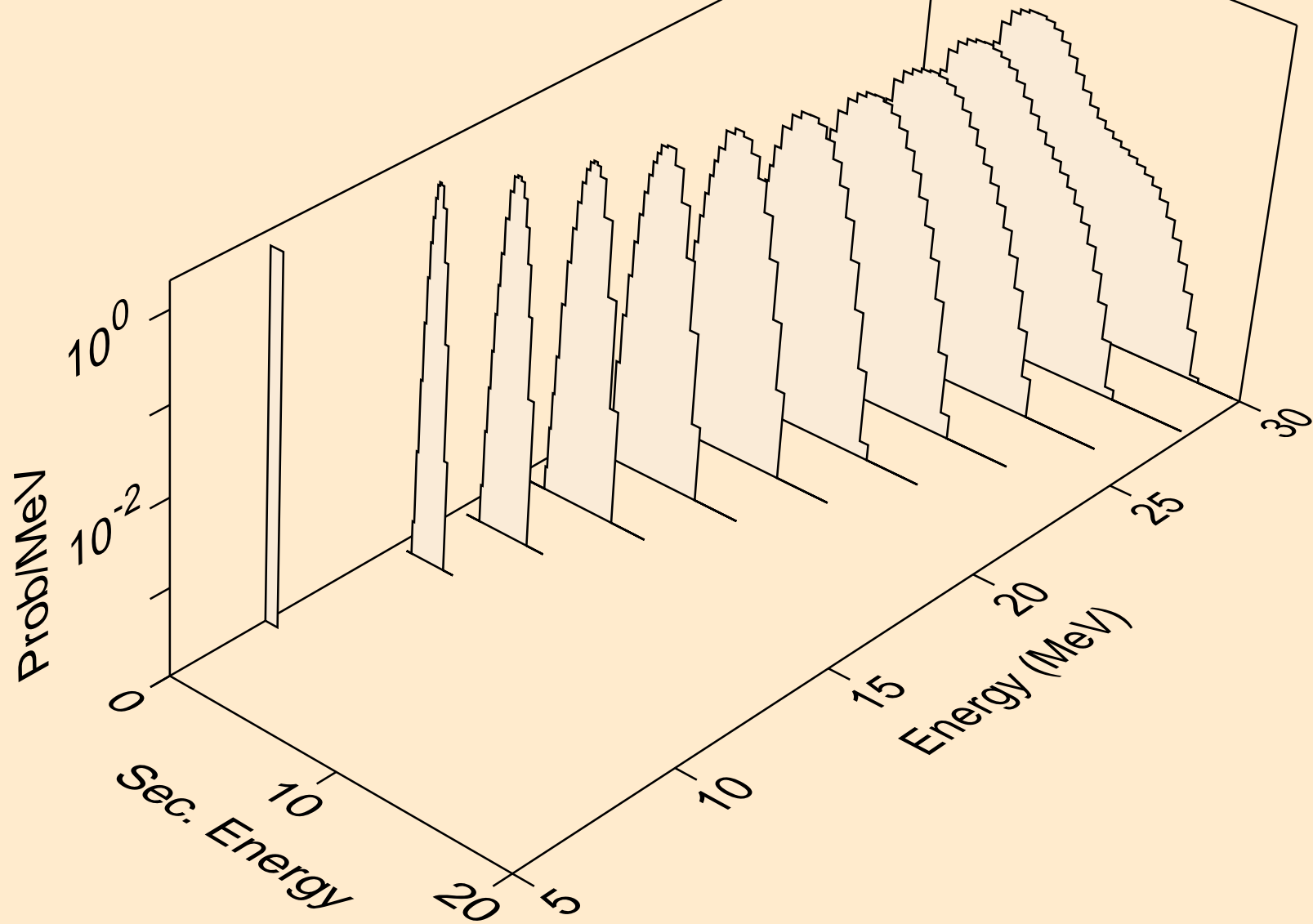
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protons from (s,n\*)p



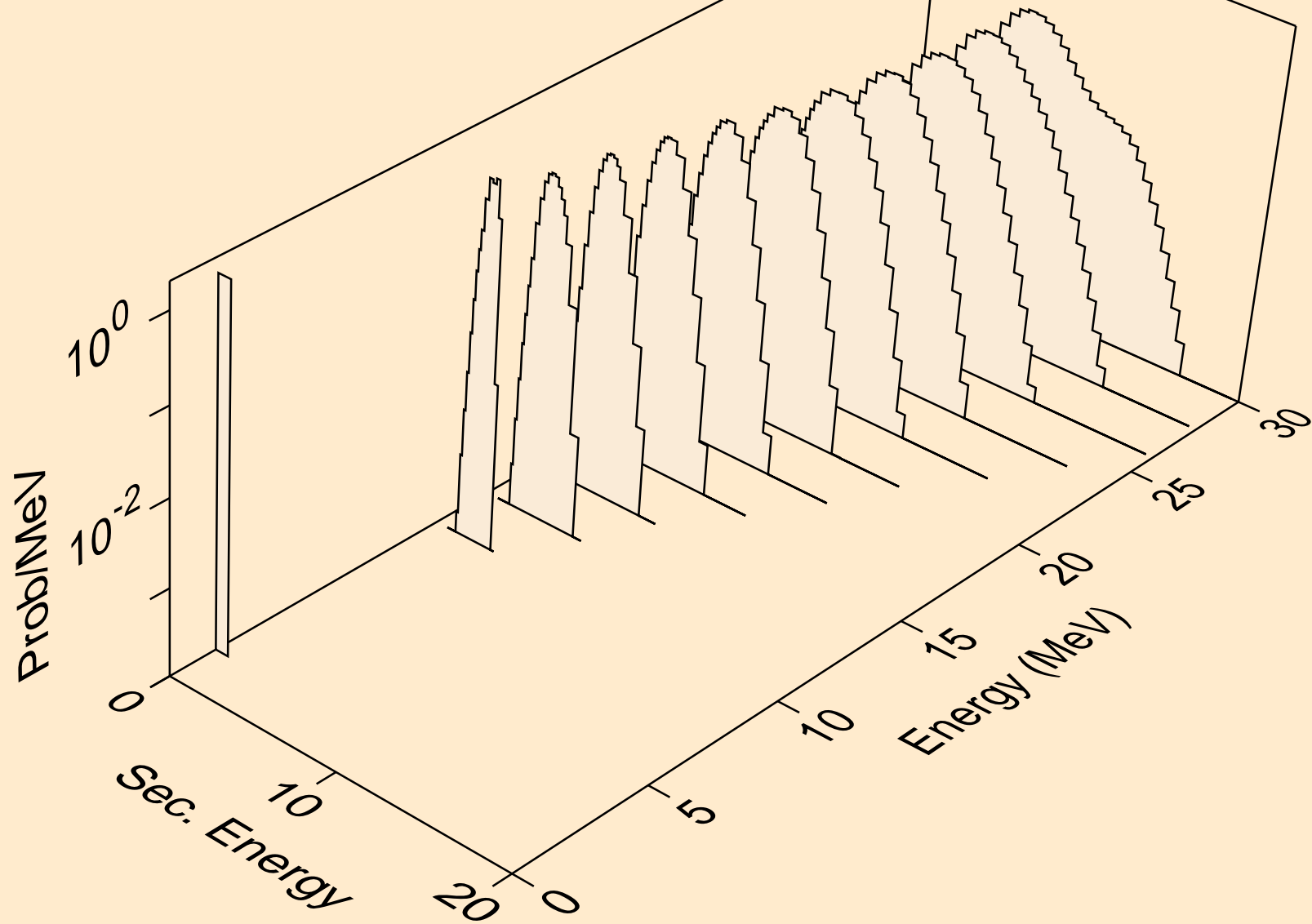
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protons from (s,2np)



EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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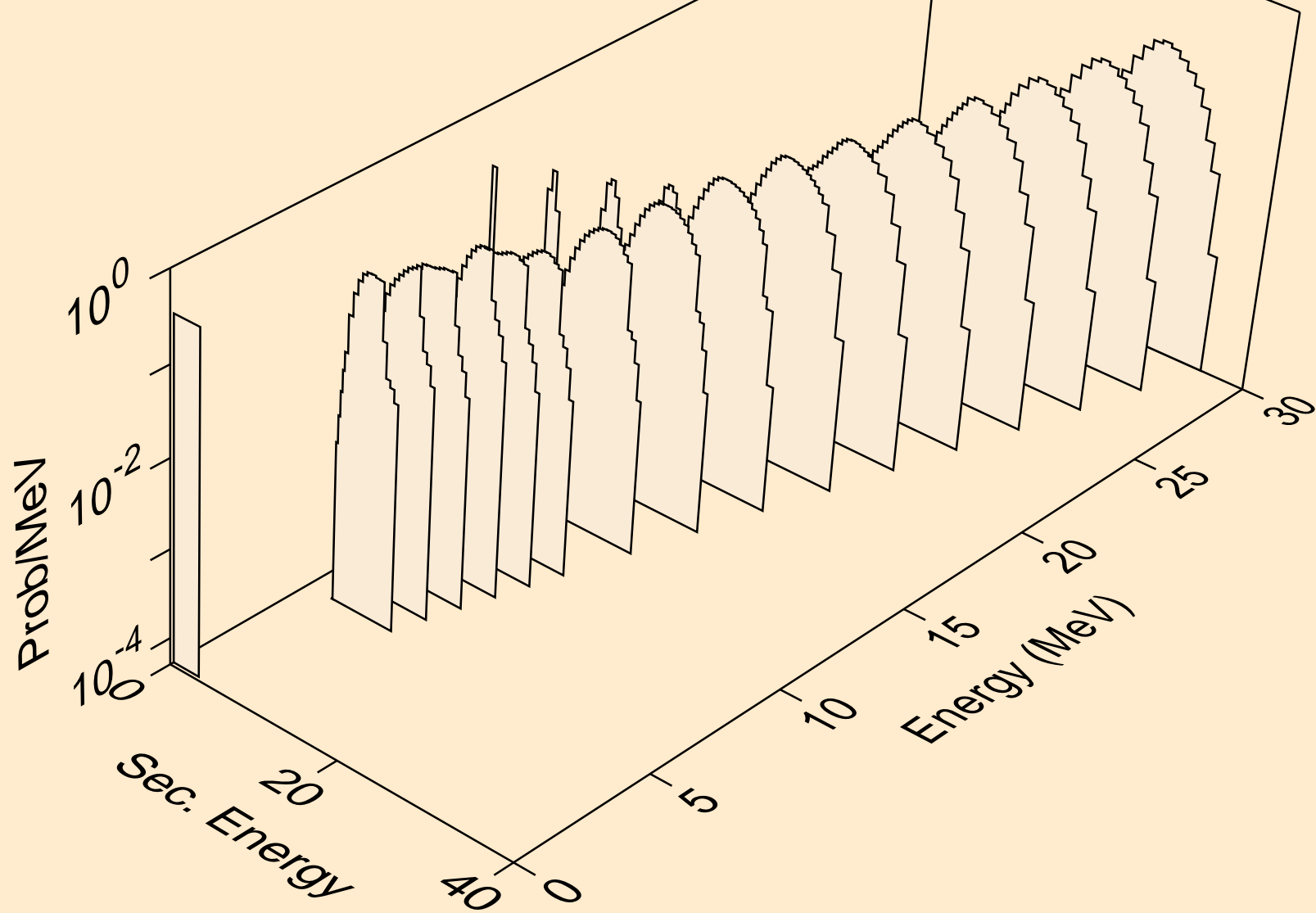


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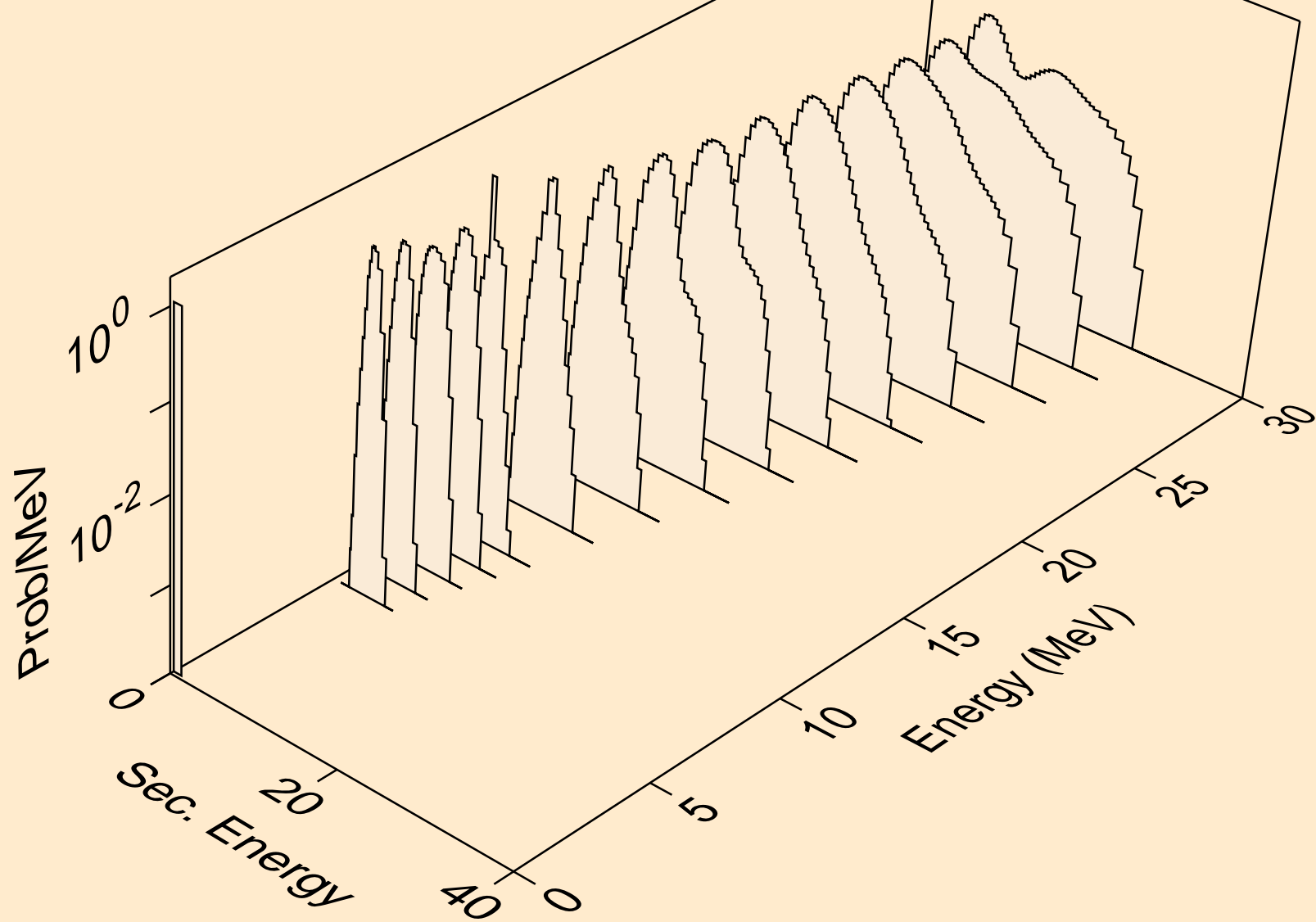




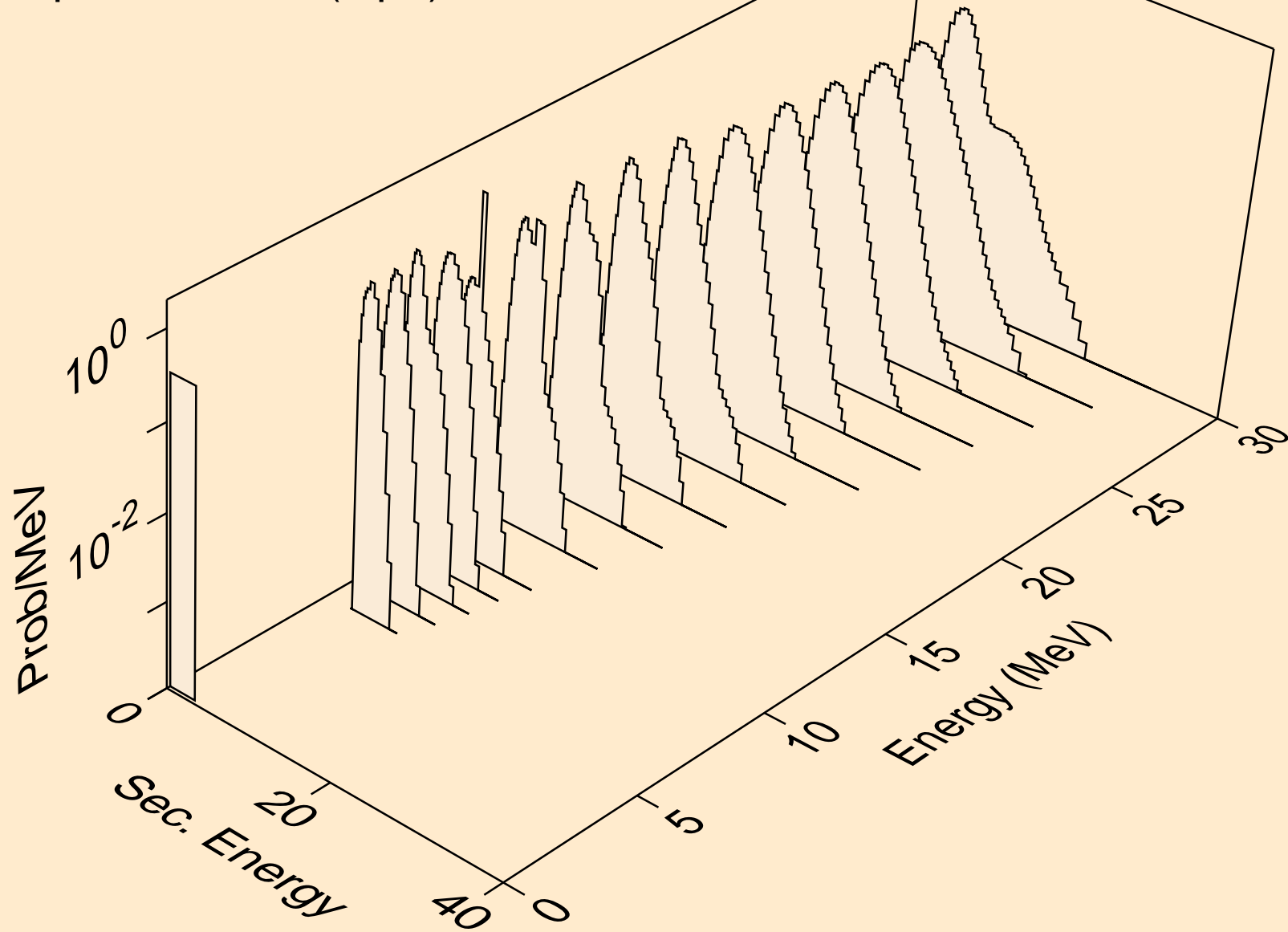
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protons from (s,p)



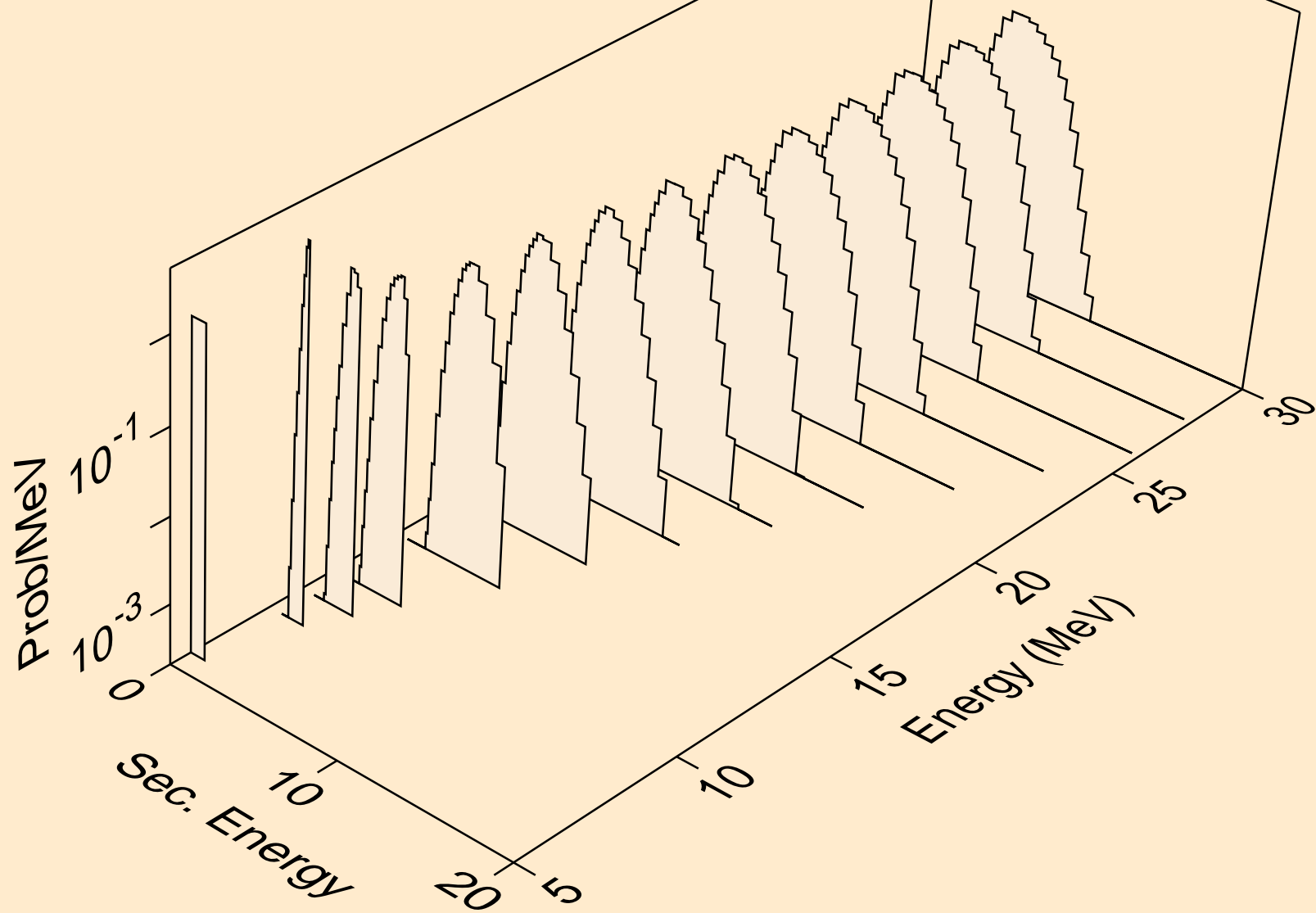
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protons from (s,2p)



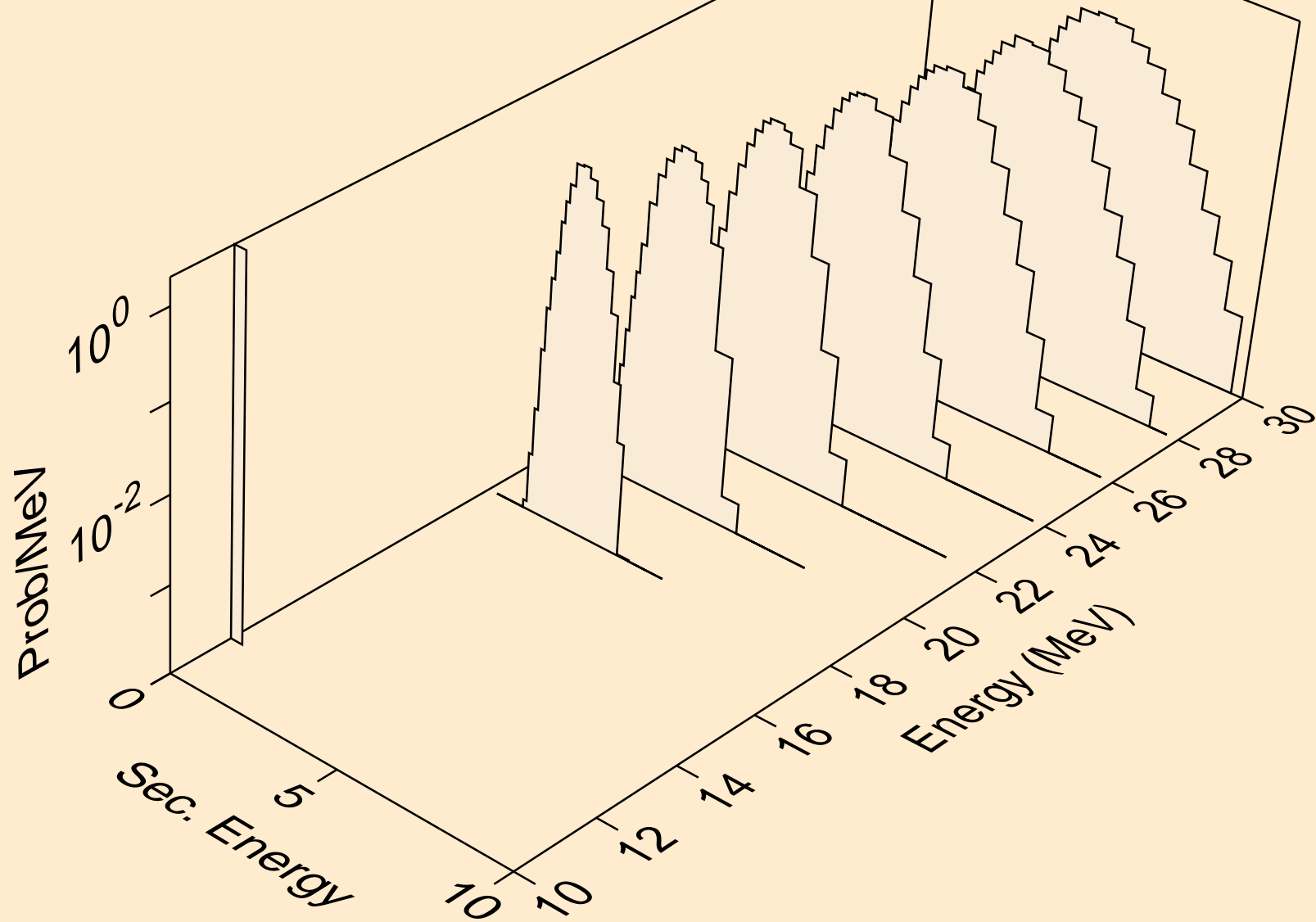
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protons from (s,pa)



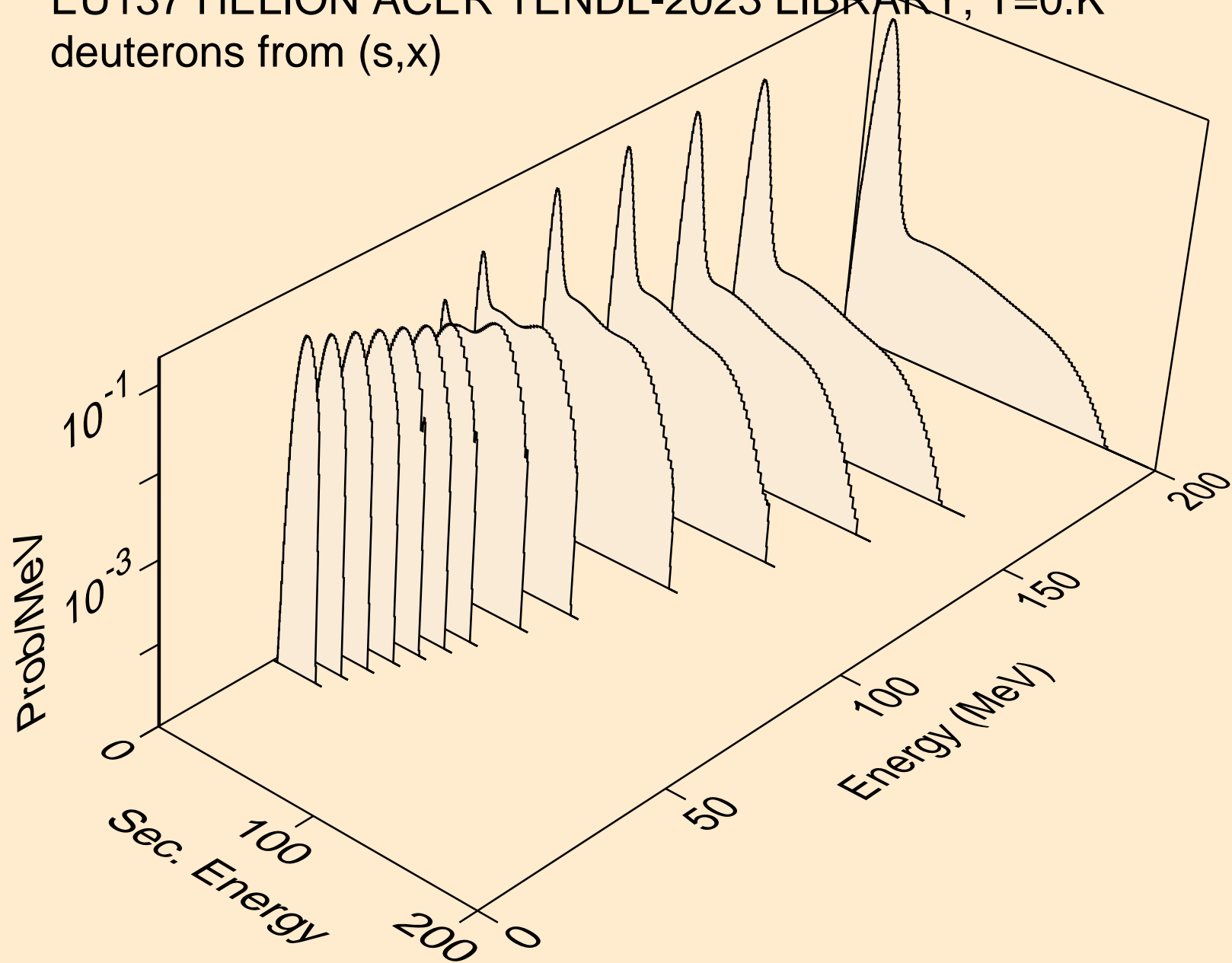
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protons from (s,pd)



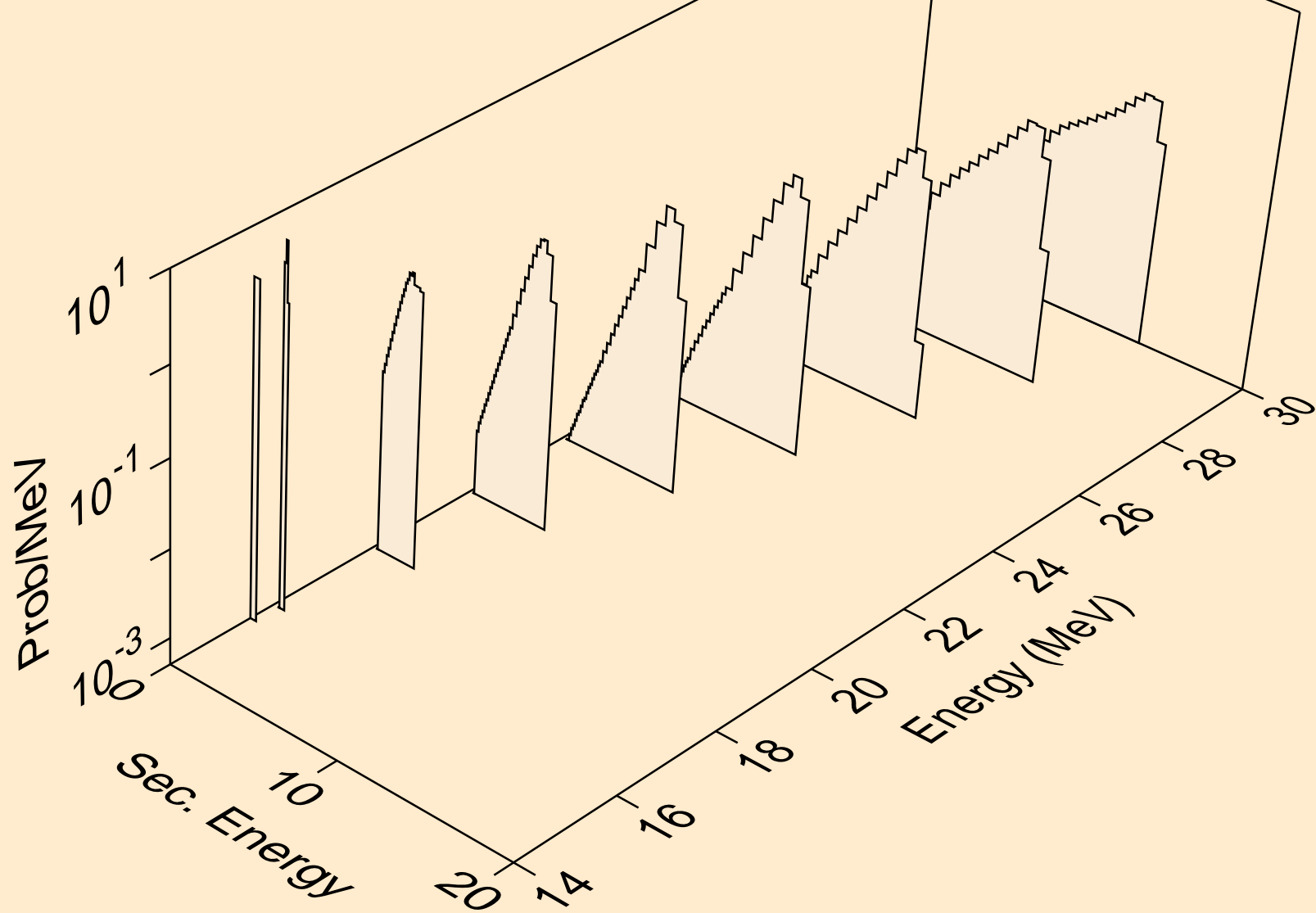
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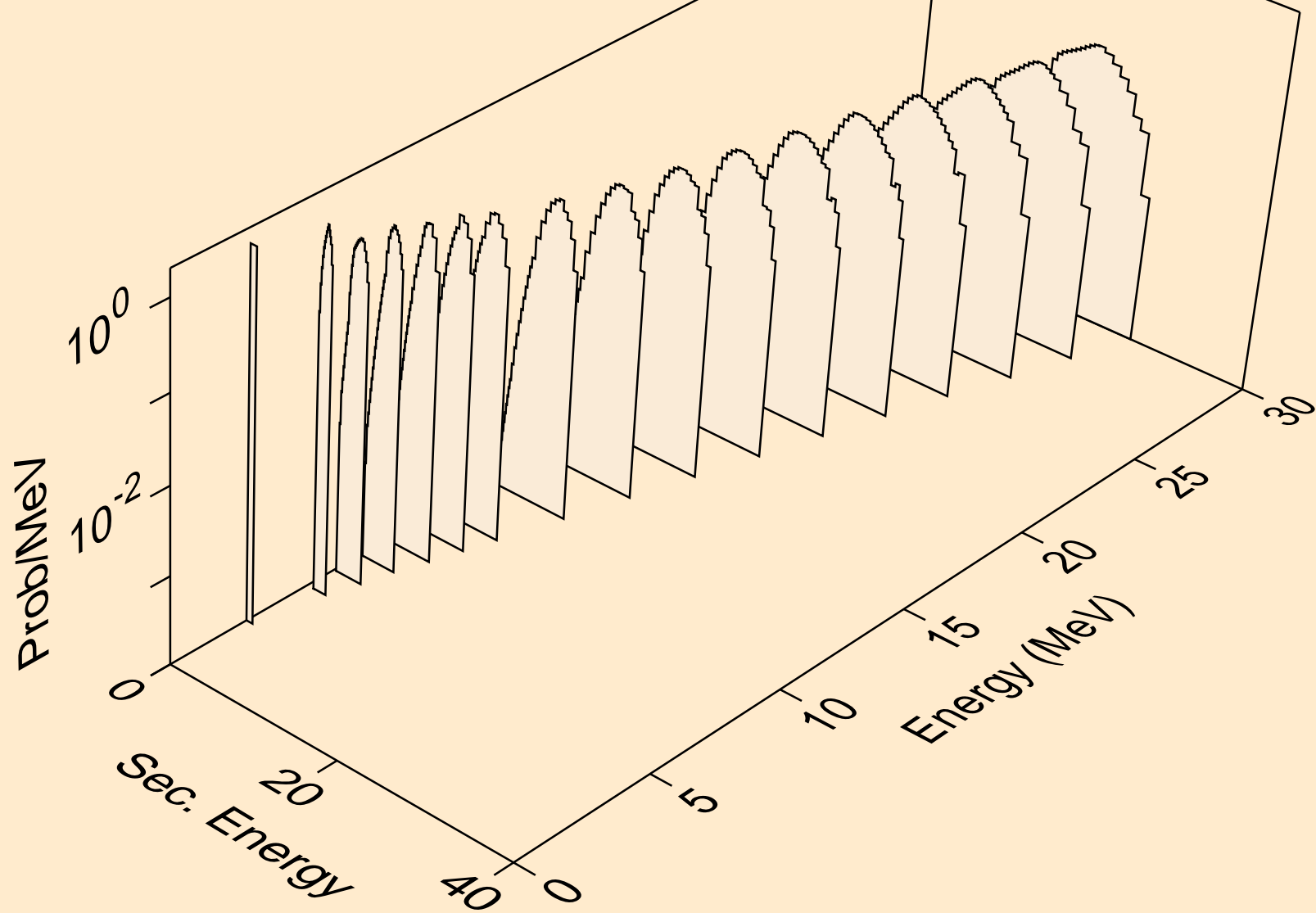
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deuterons from (s,x)



EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,n\*)d

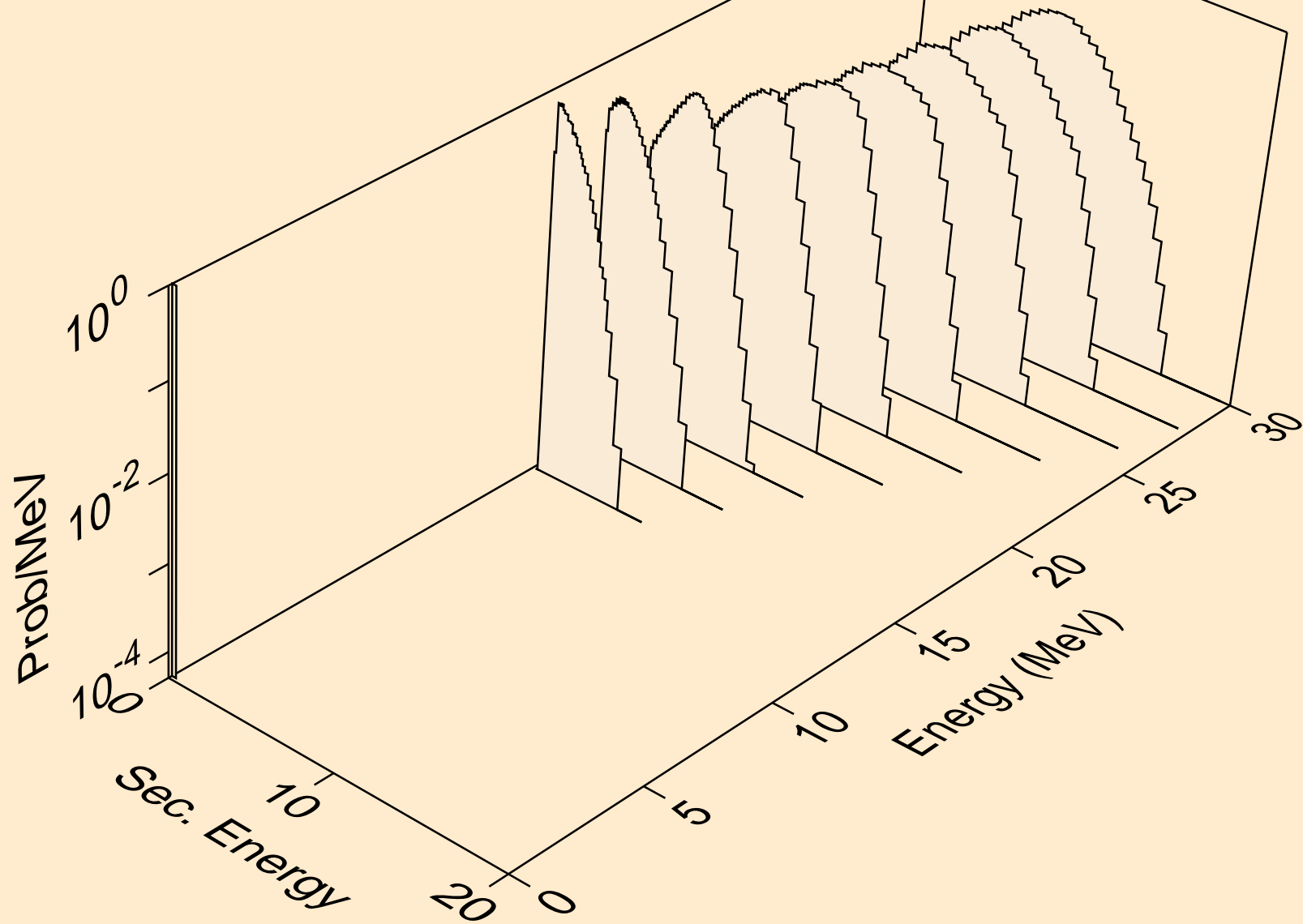


EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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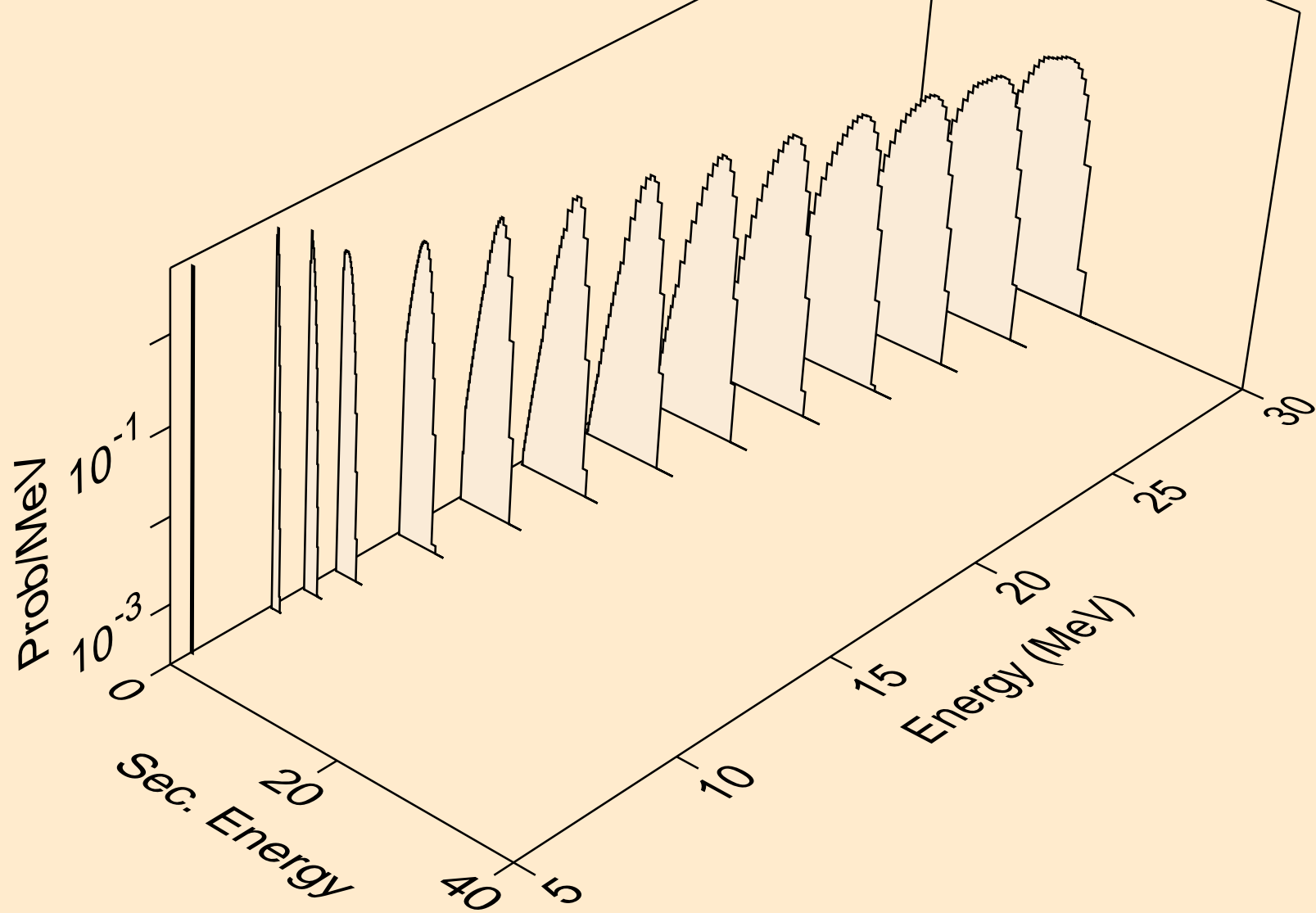




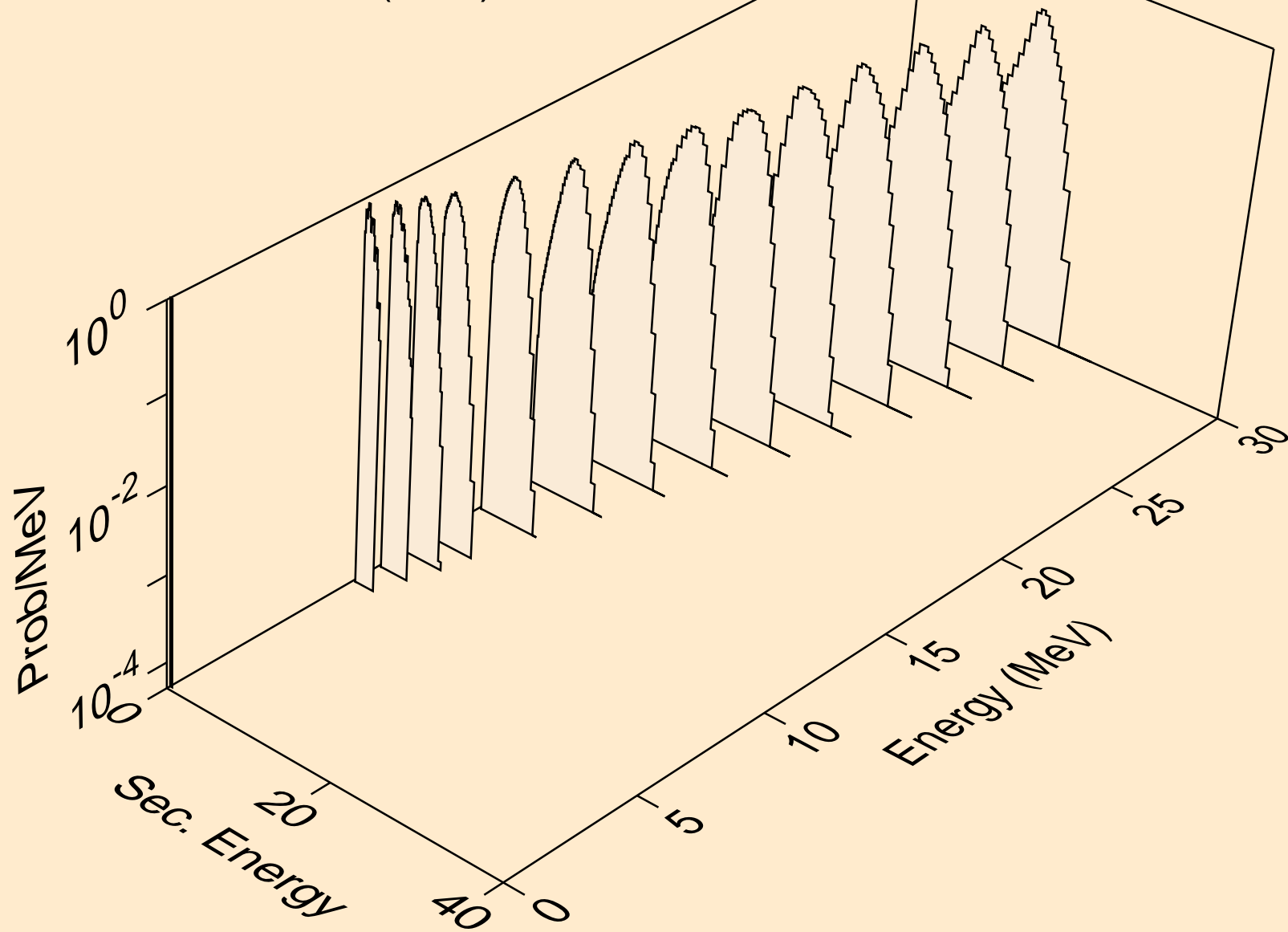
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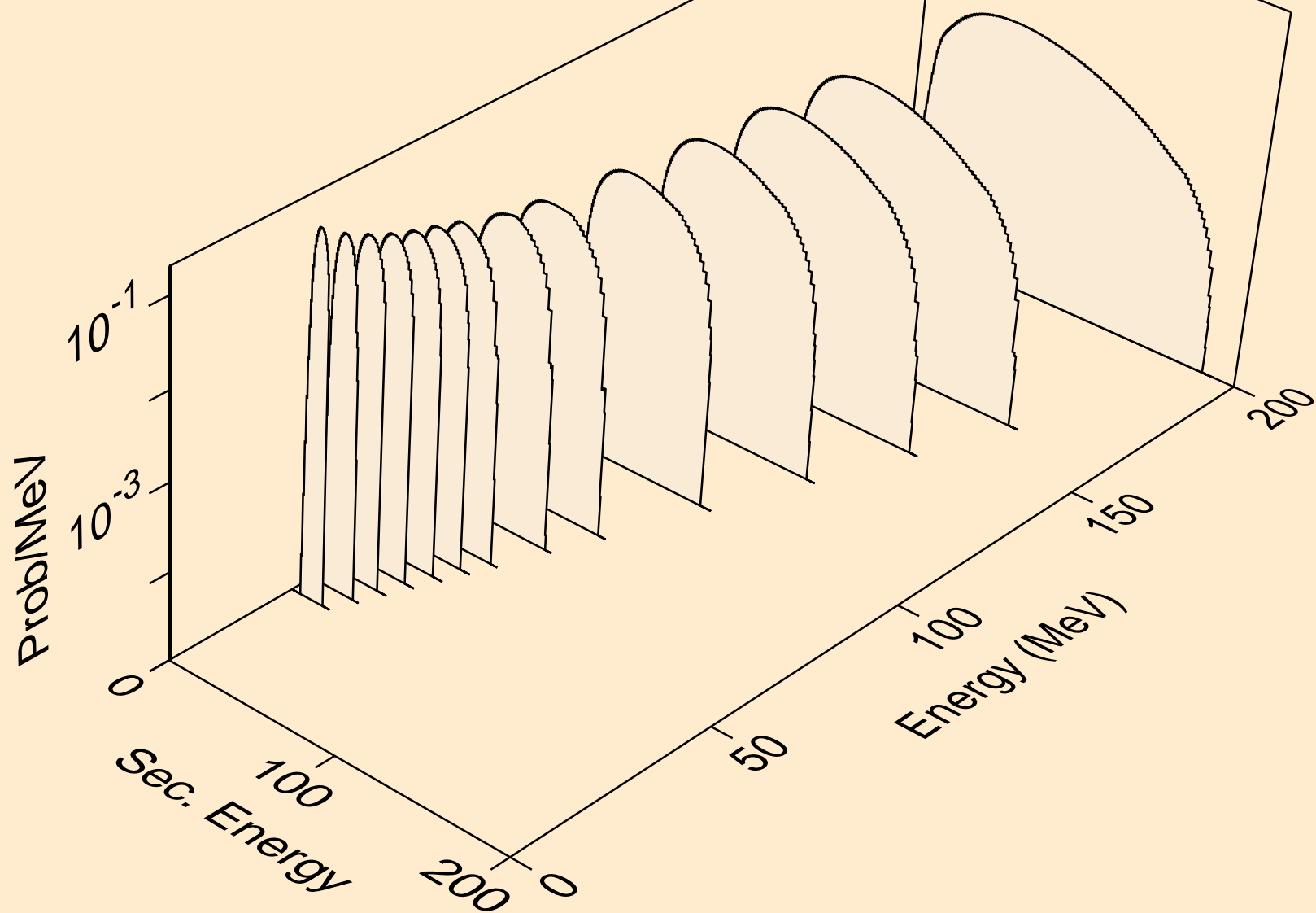
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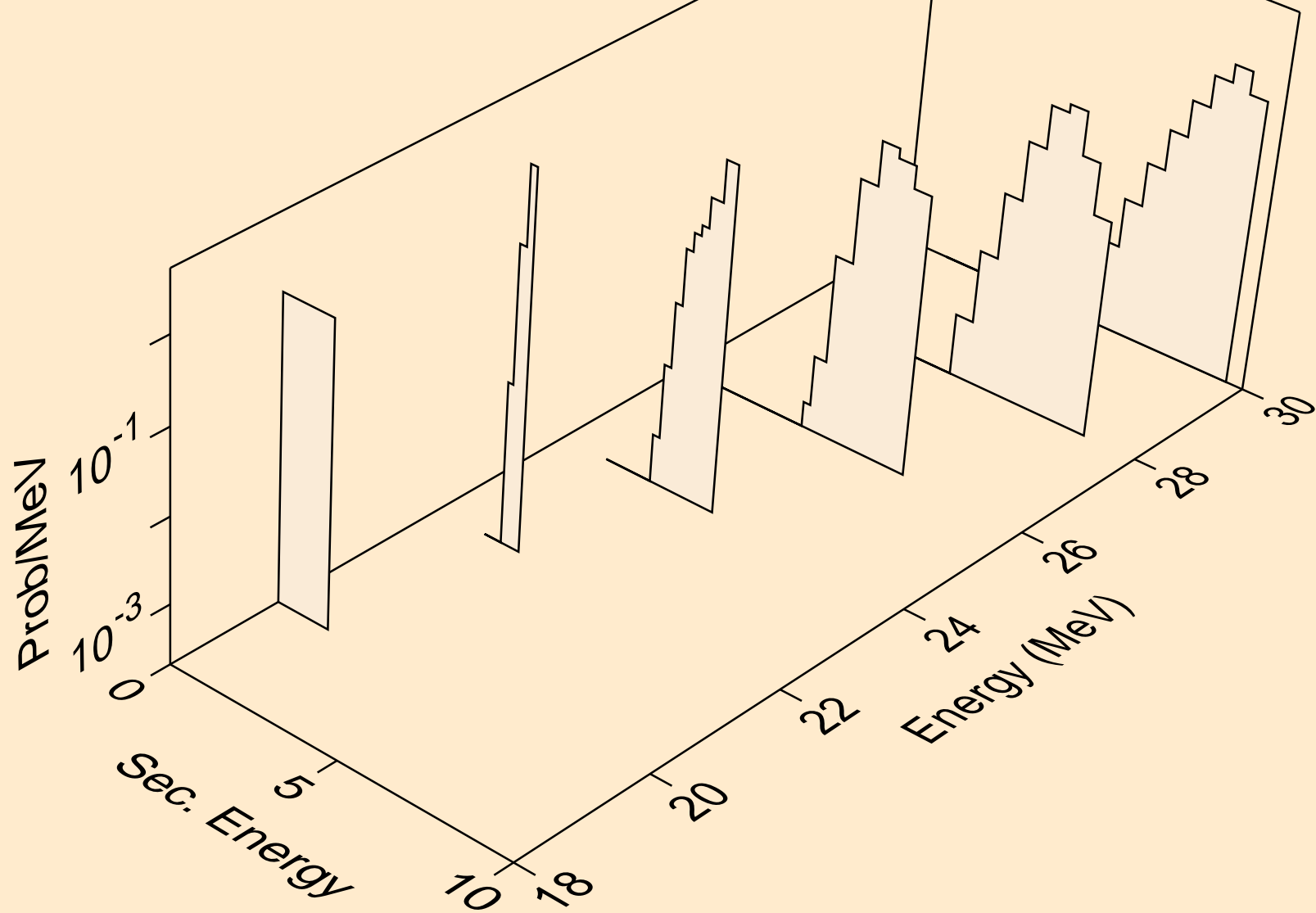
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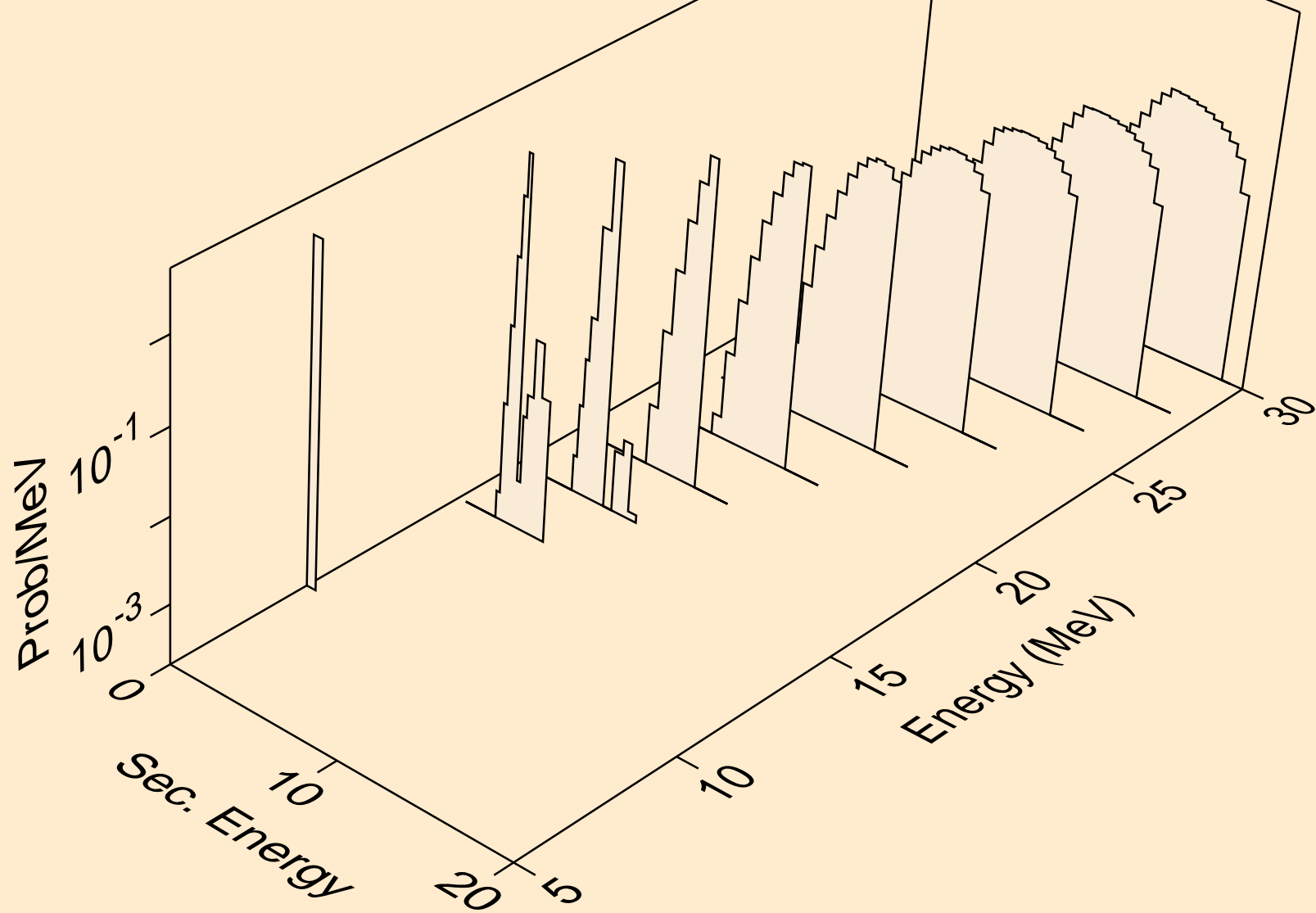
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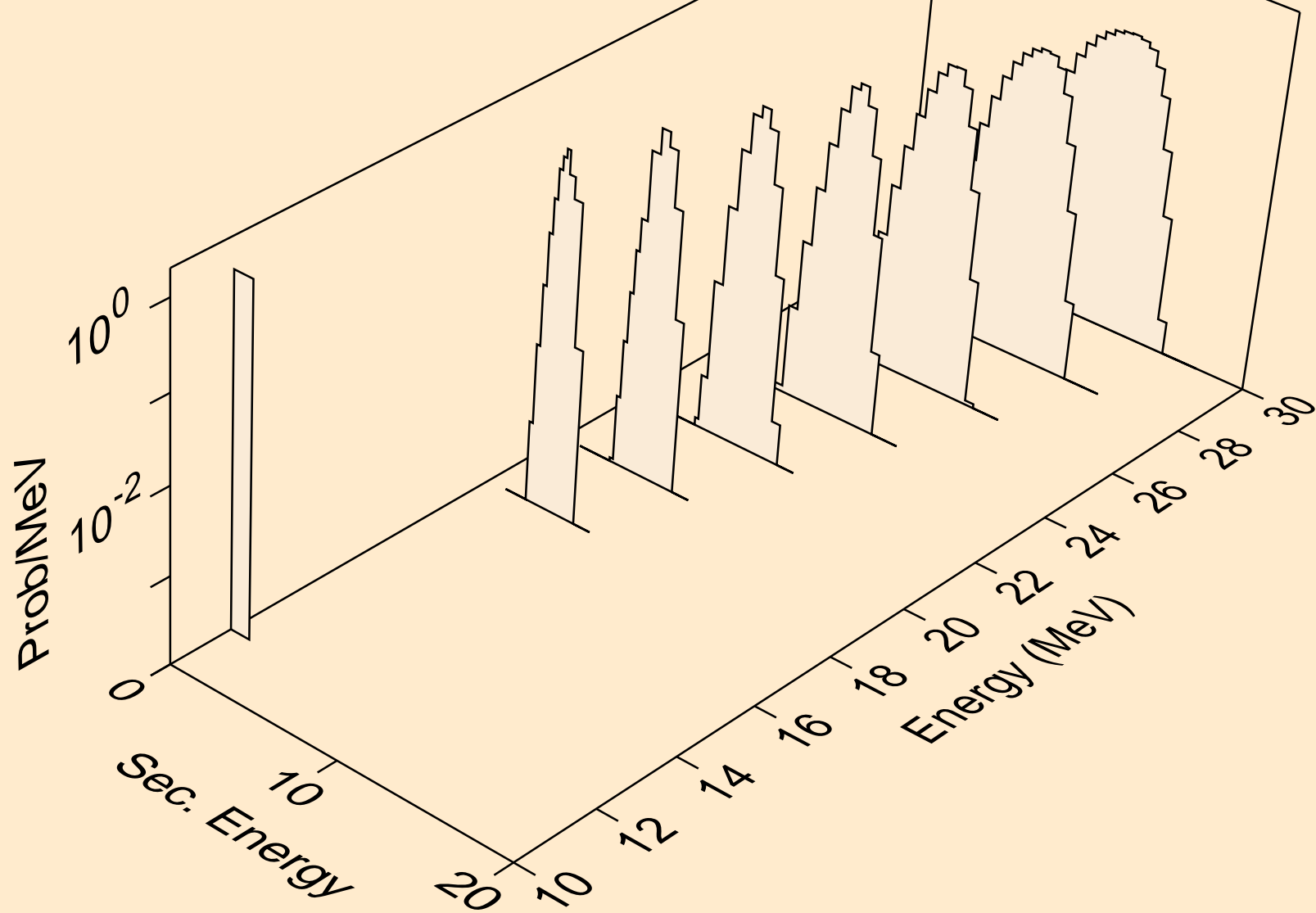
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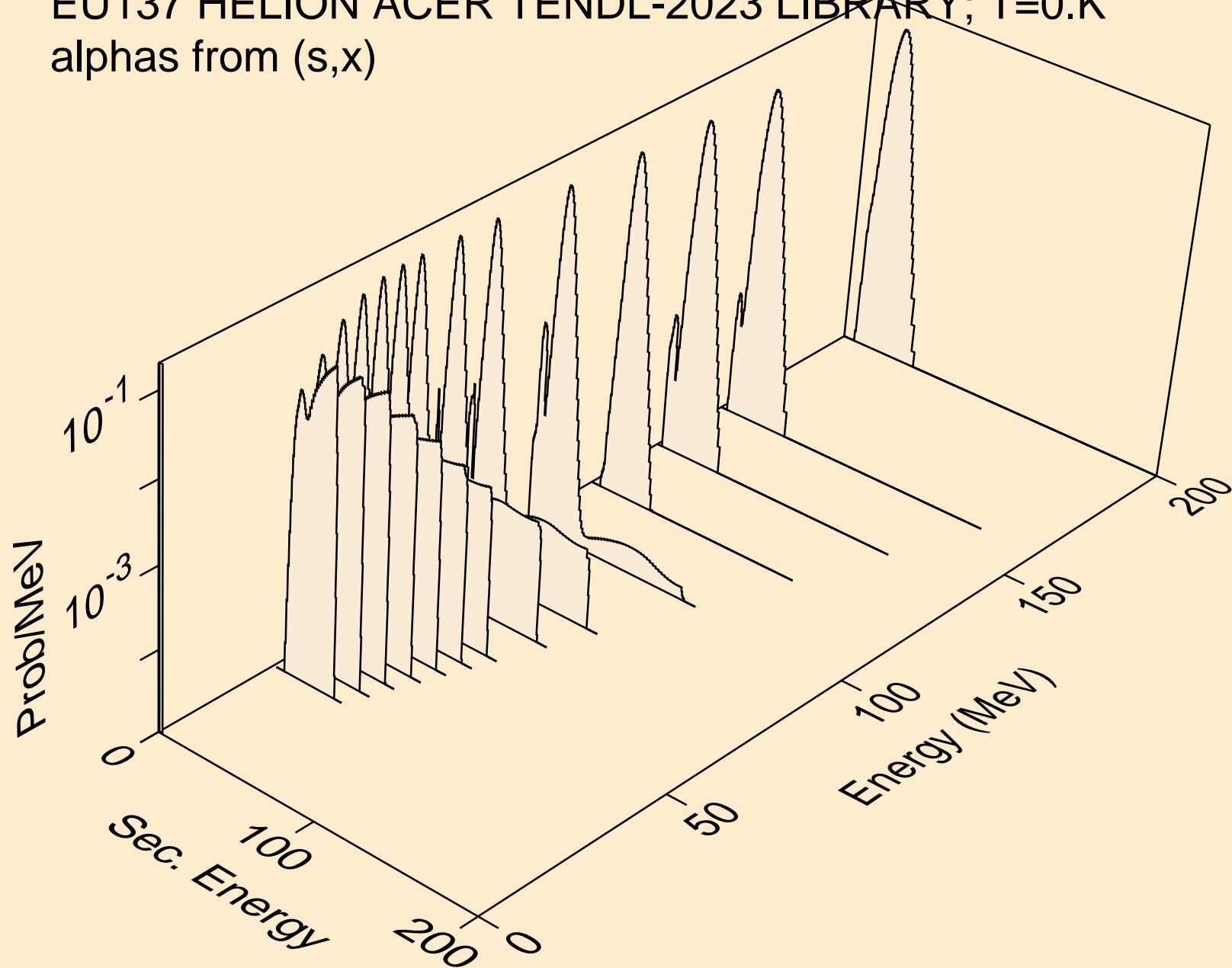
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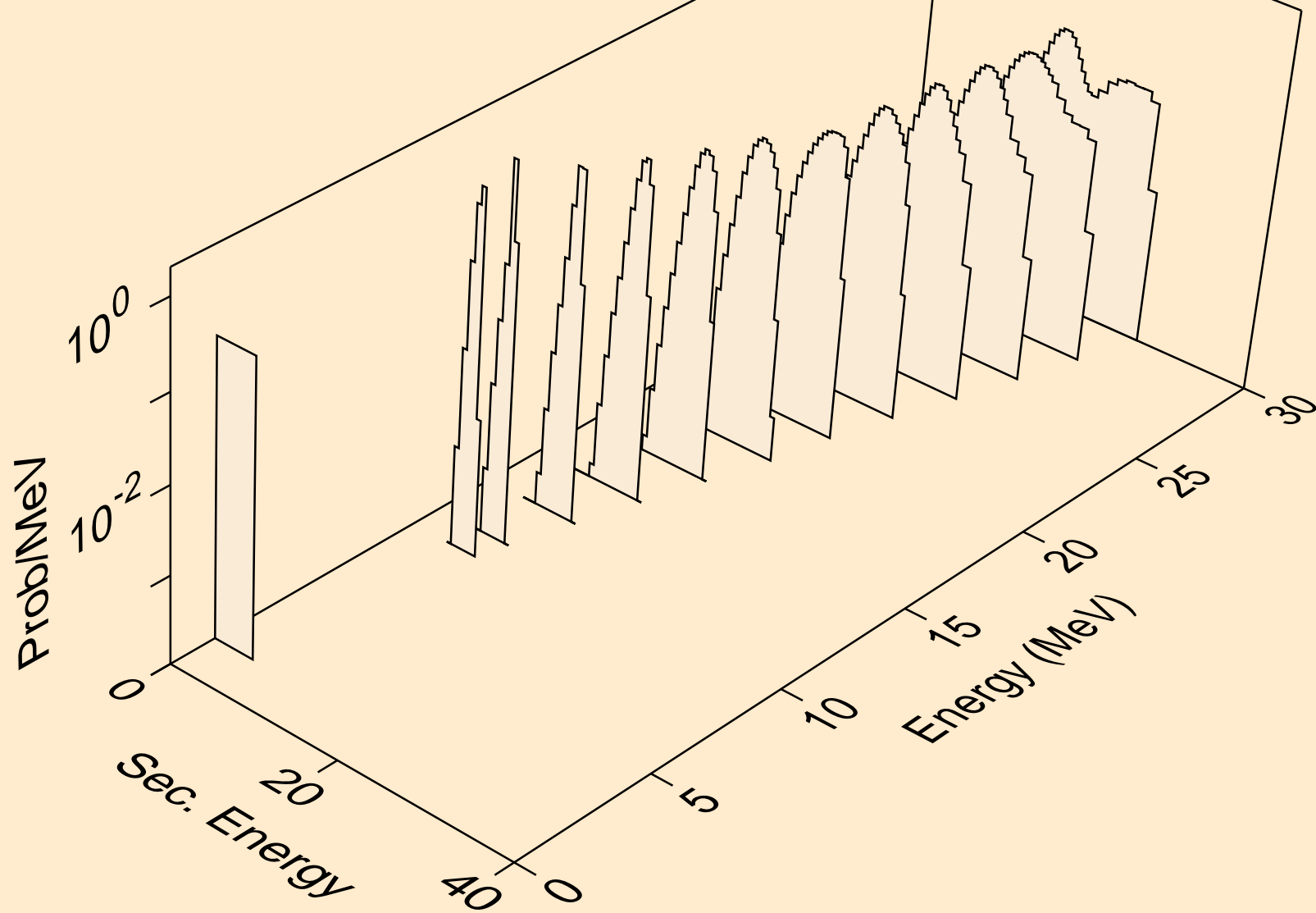


EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,x)

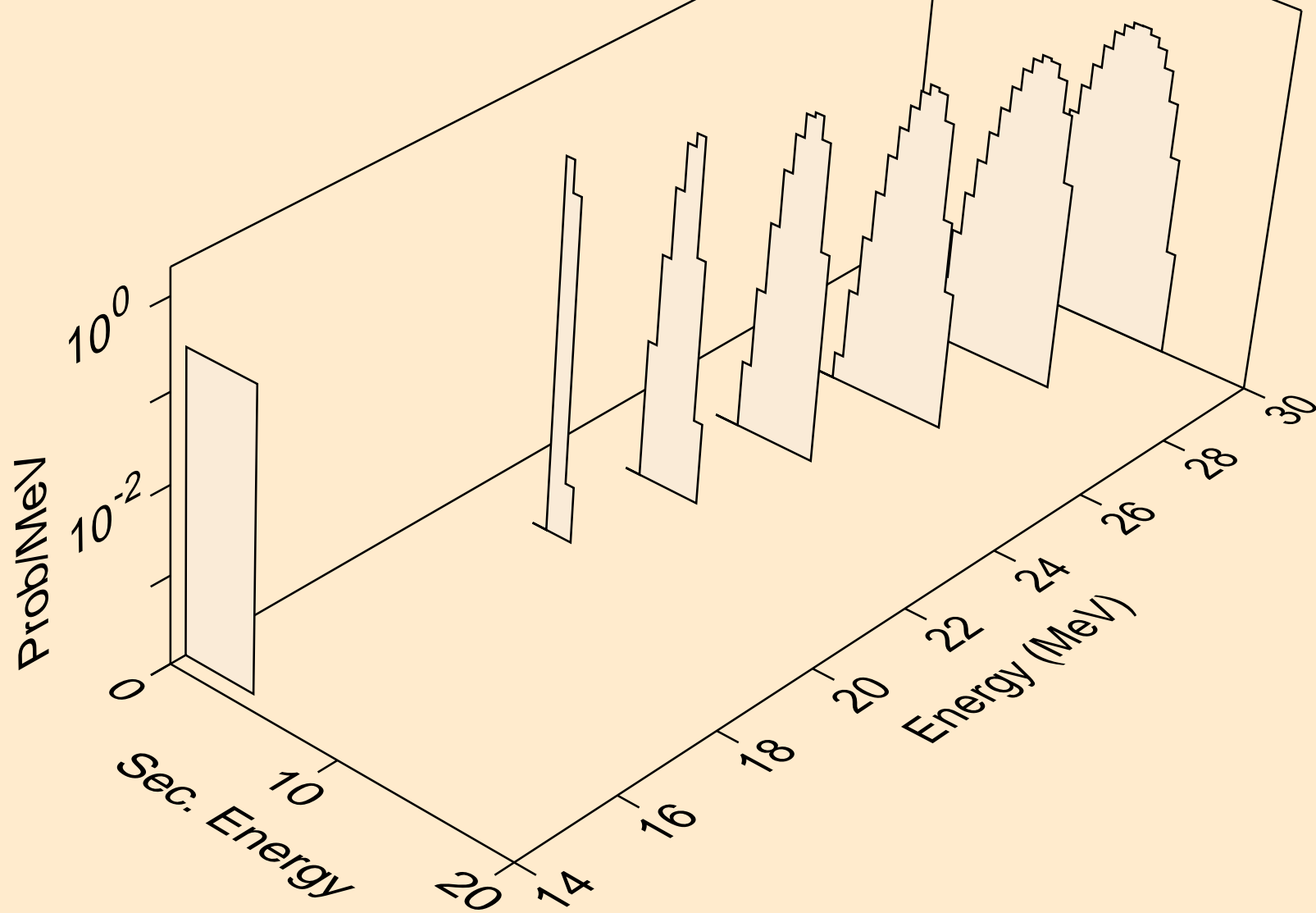




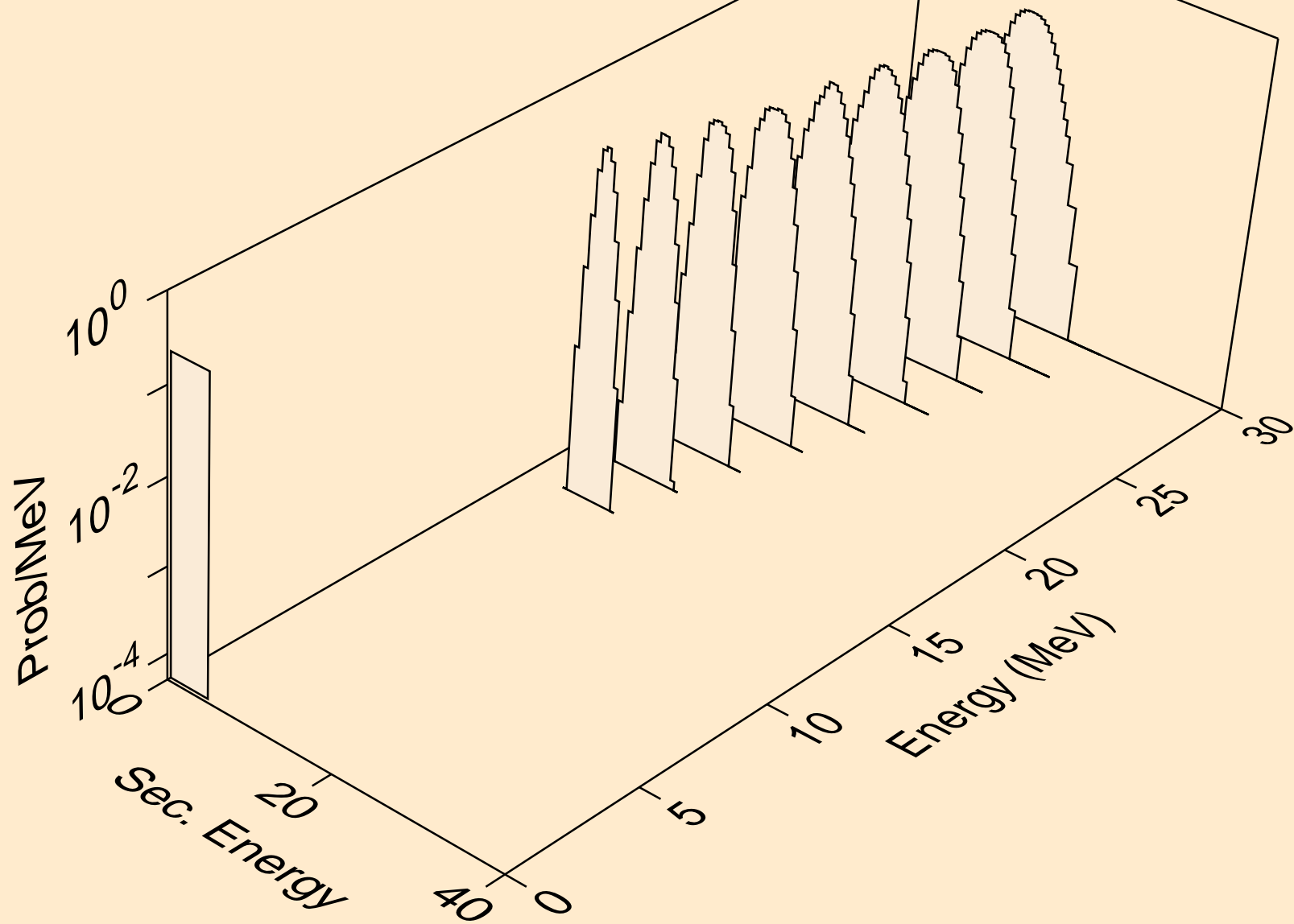
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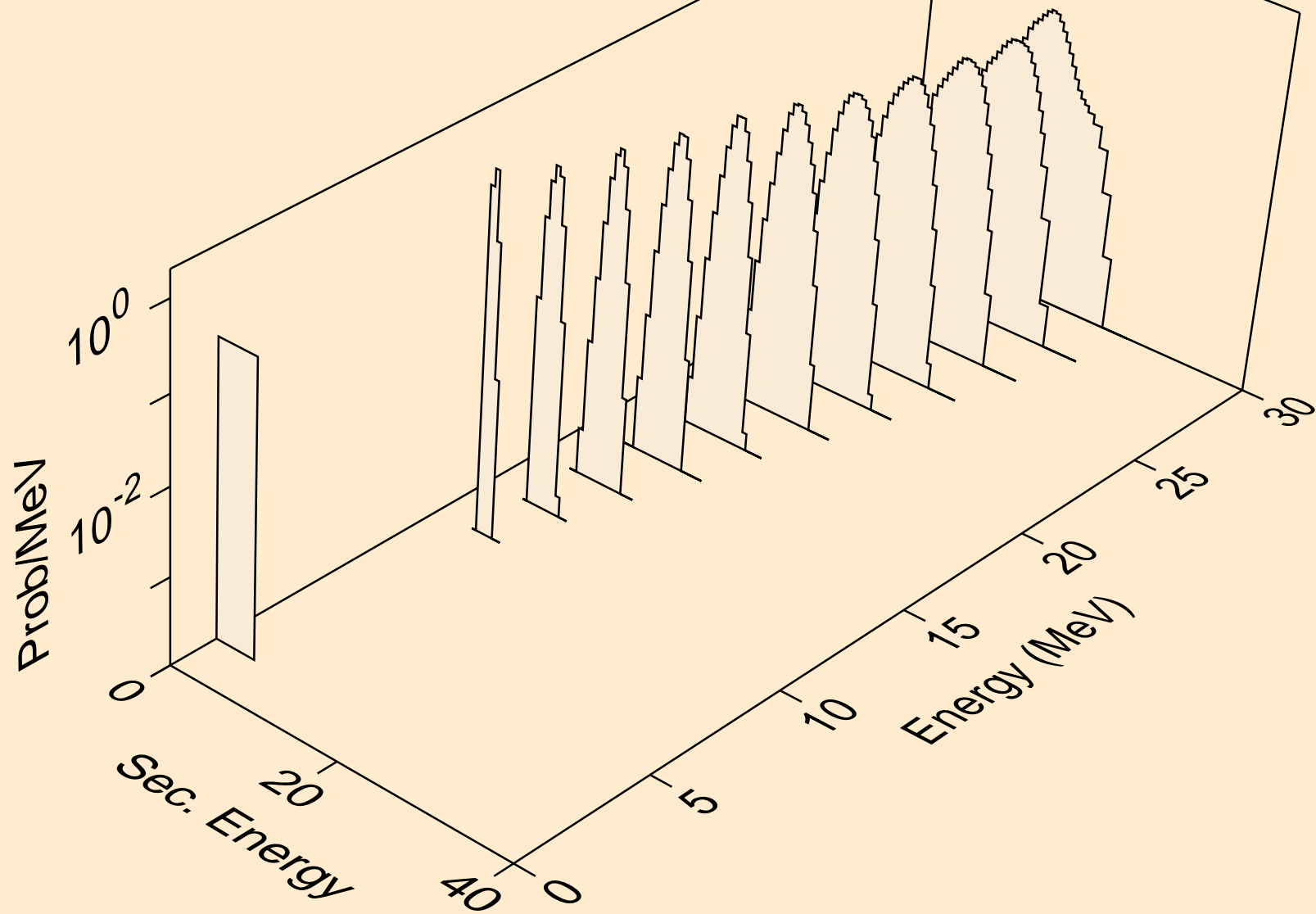
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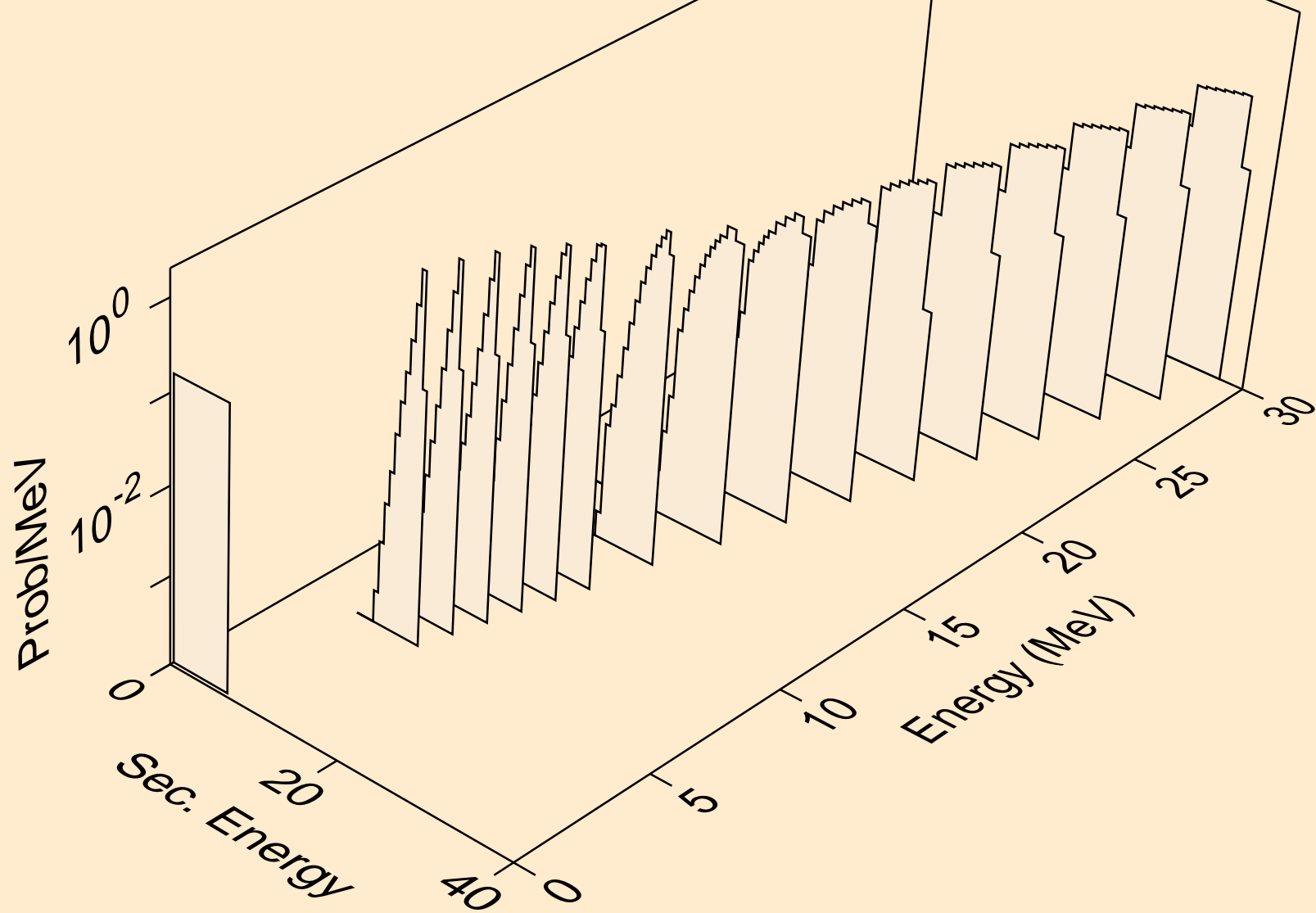
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alphas from (s,n\*)2a



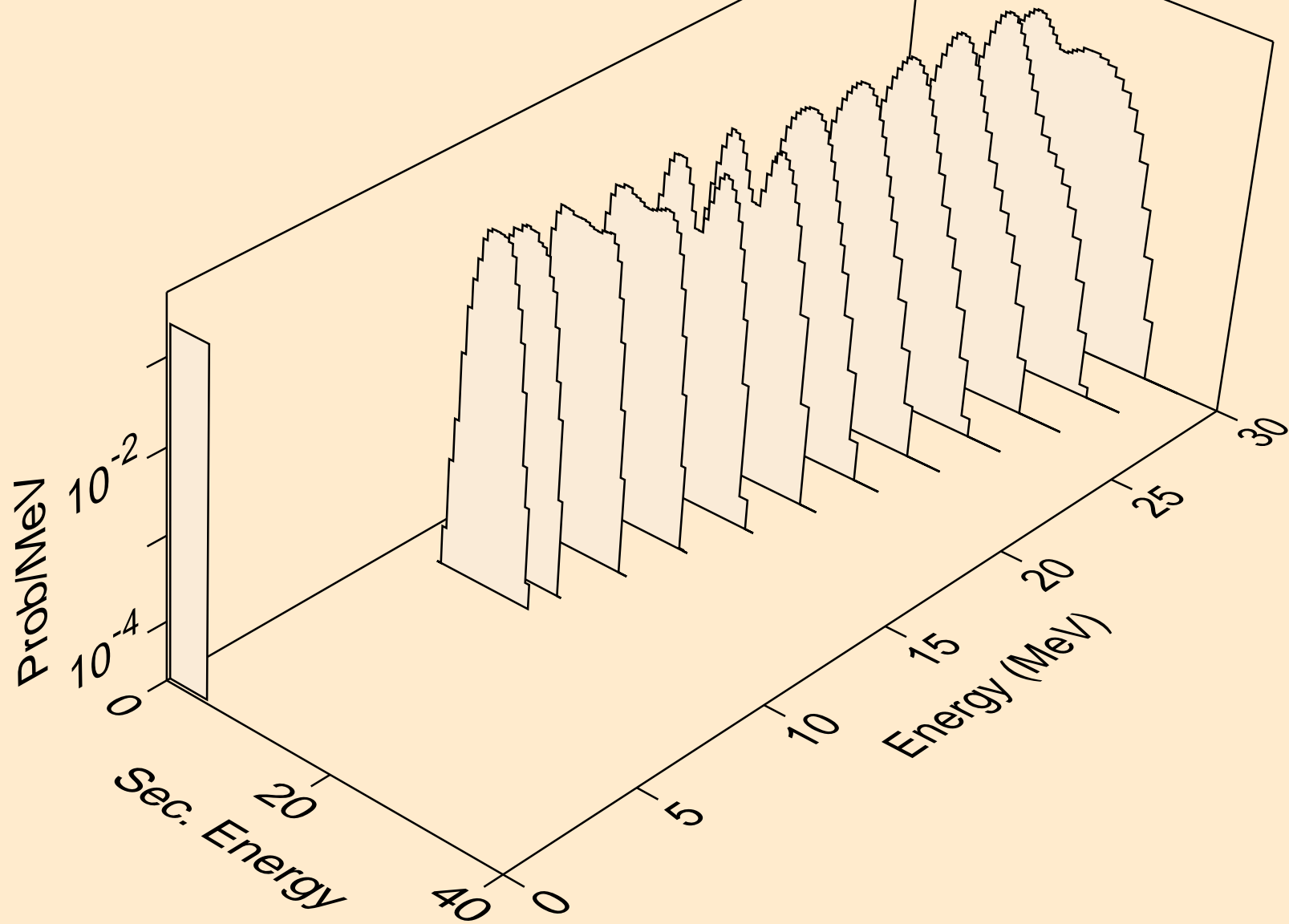
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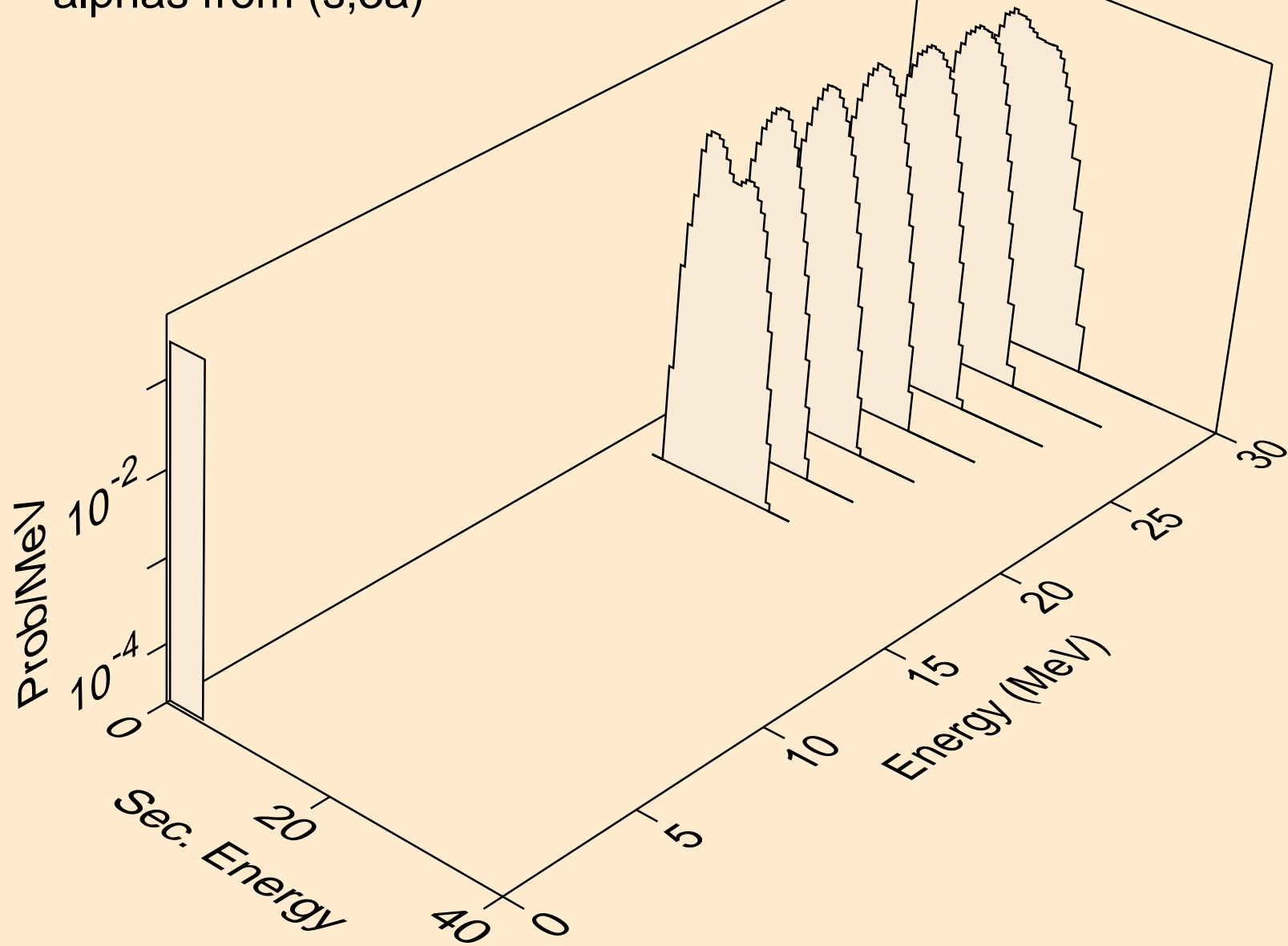
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alphas from (s,a)



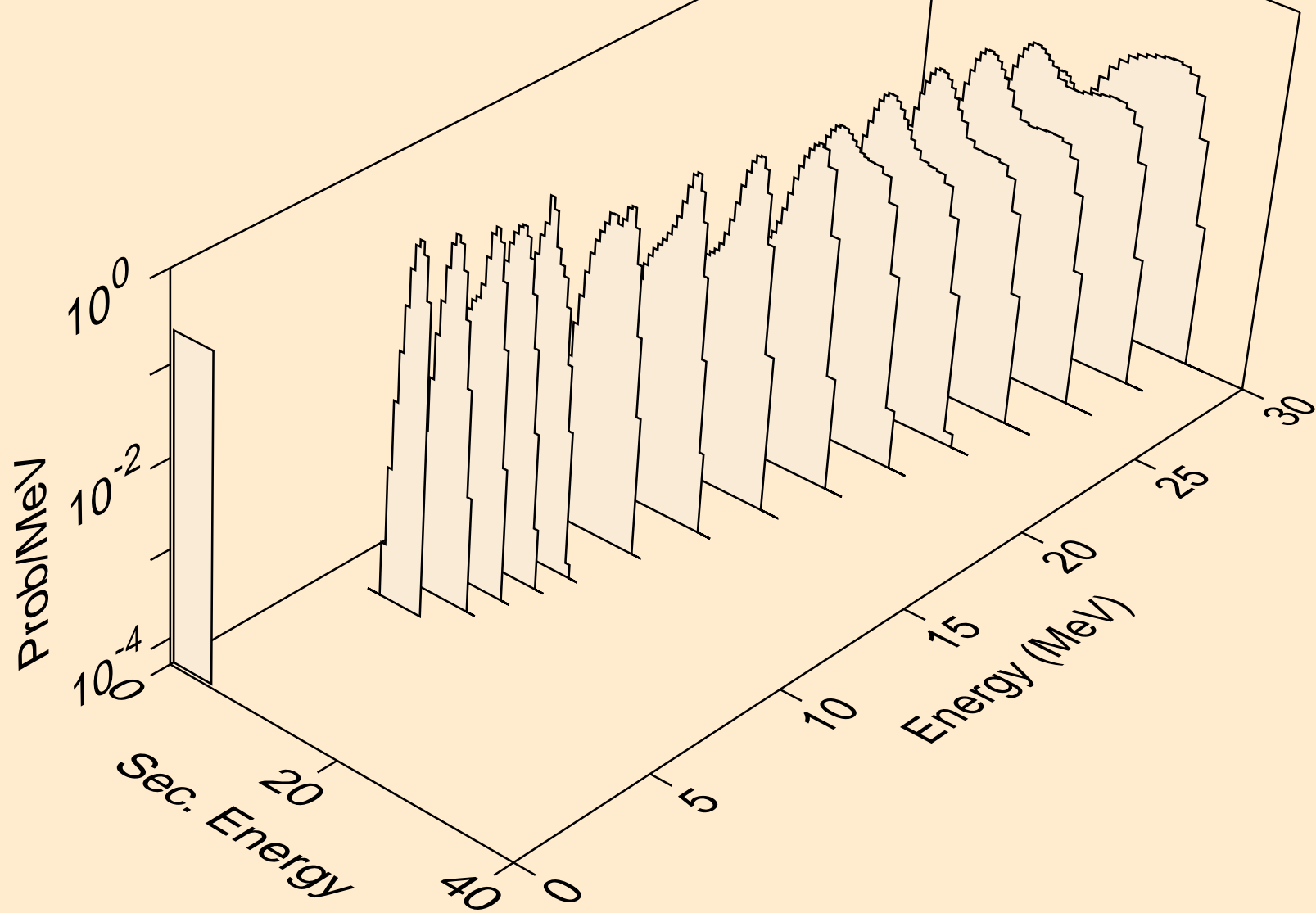
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alphas from (s,2a)



EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,3a)

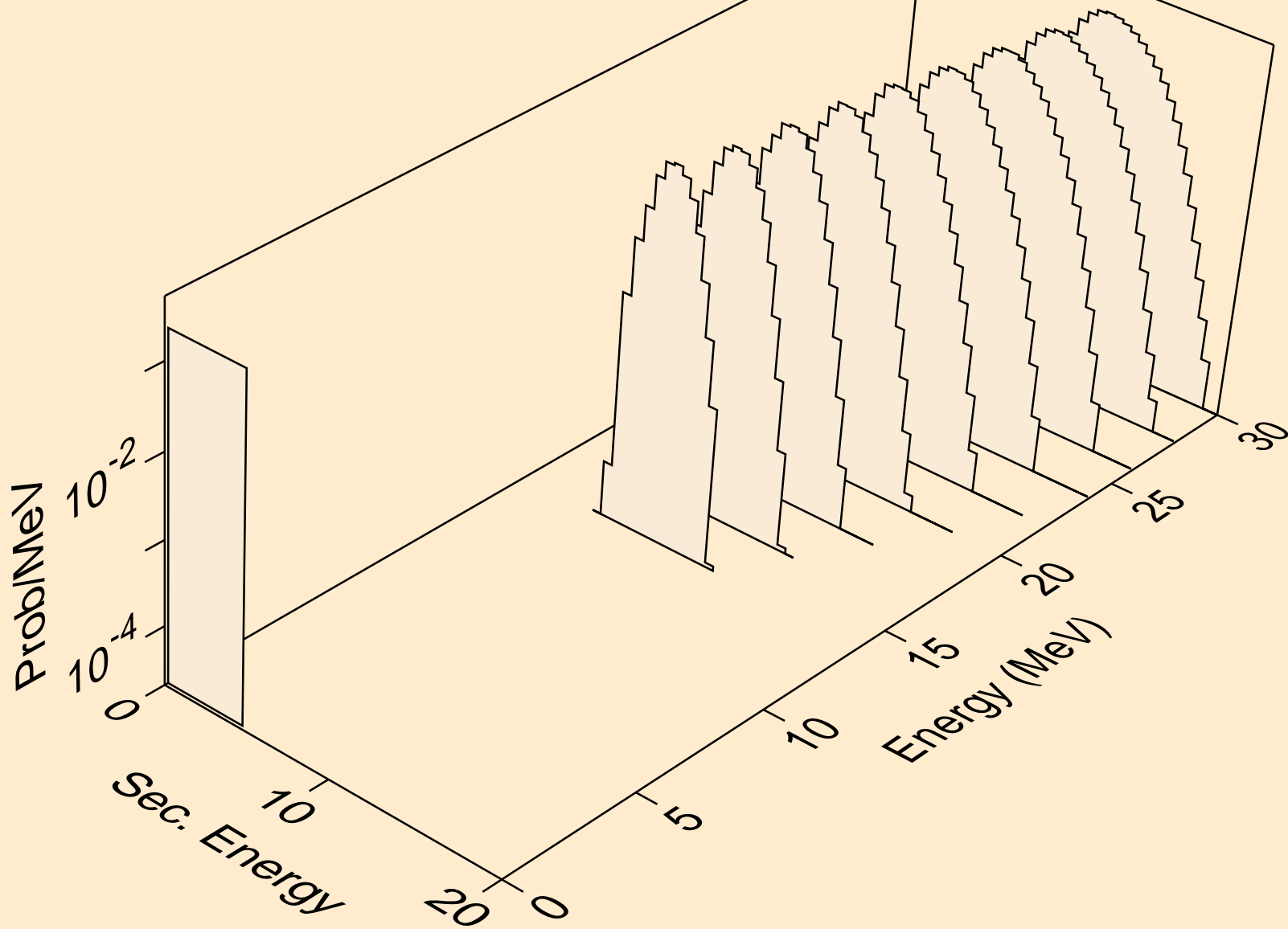


EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)





EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,d2a)



EU137 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

