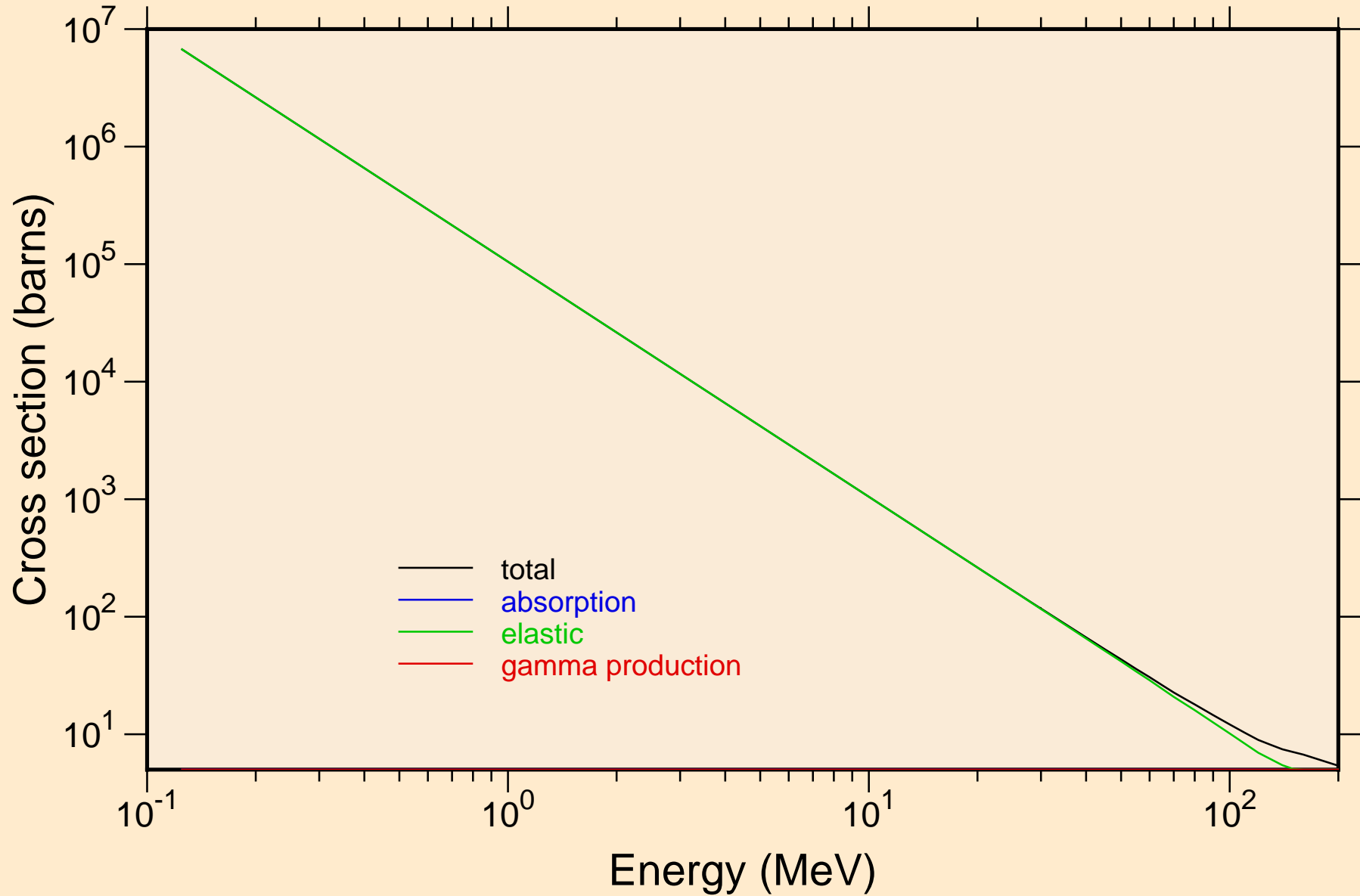


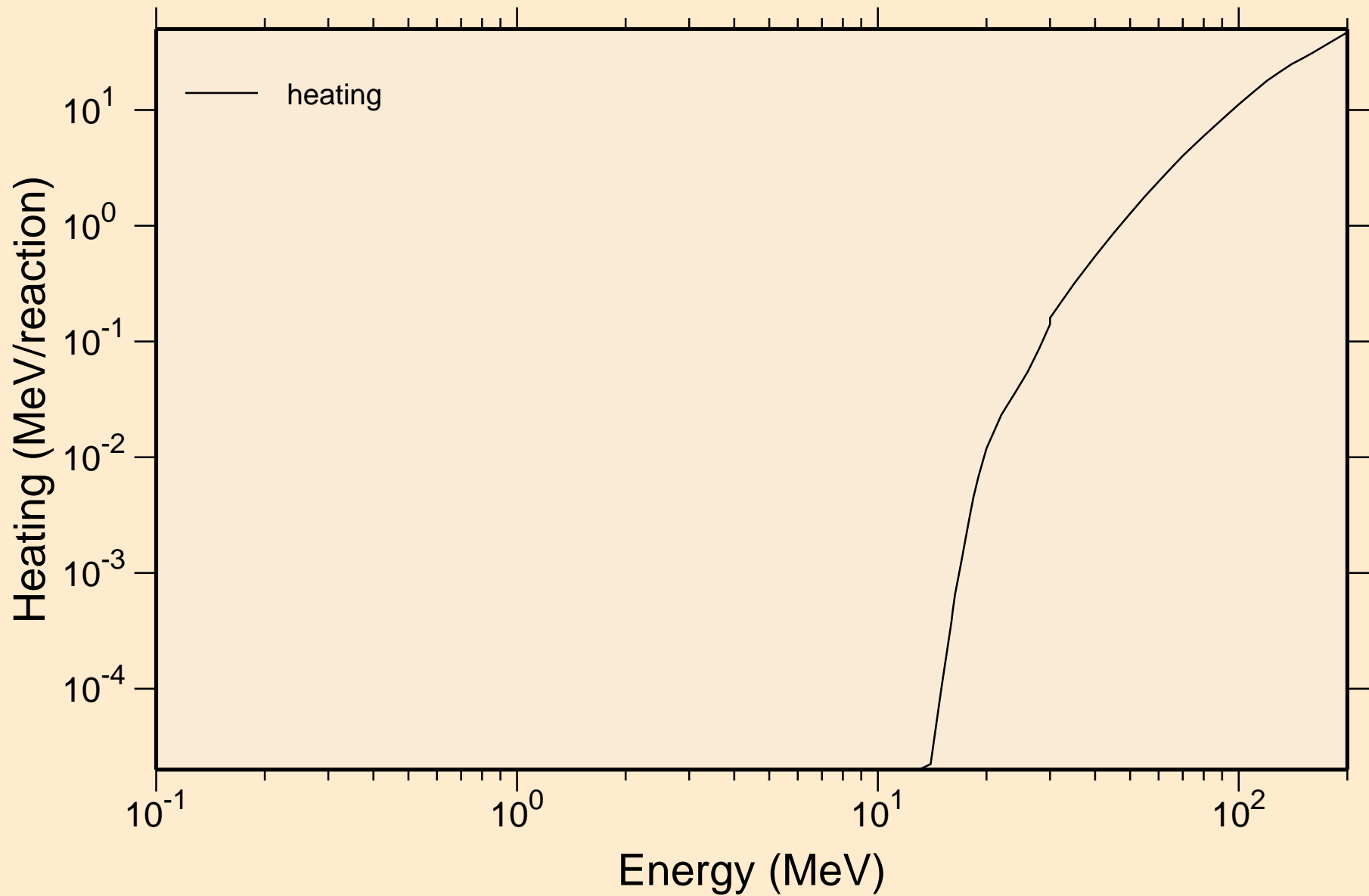
# GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



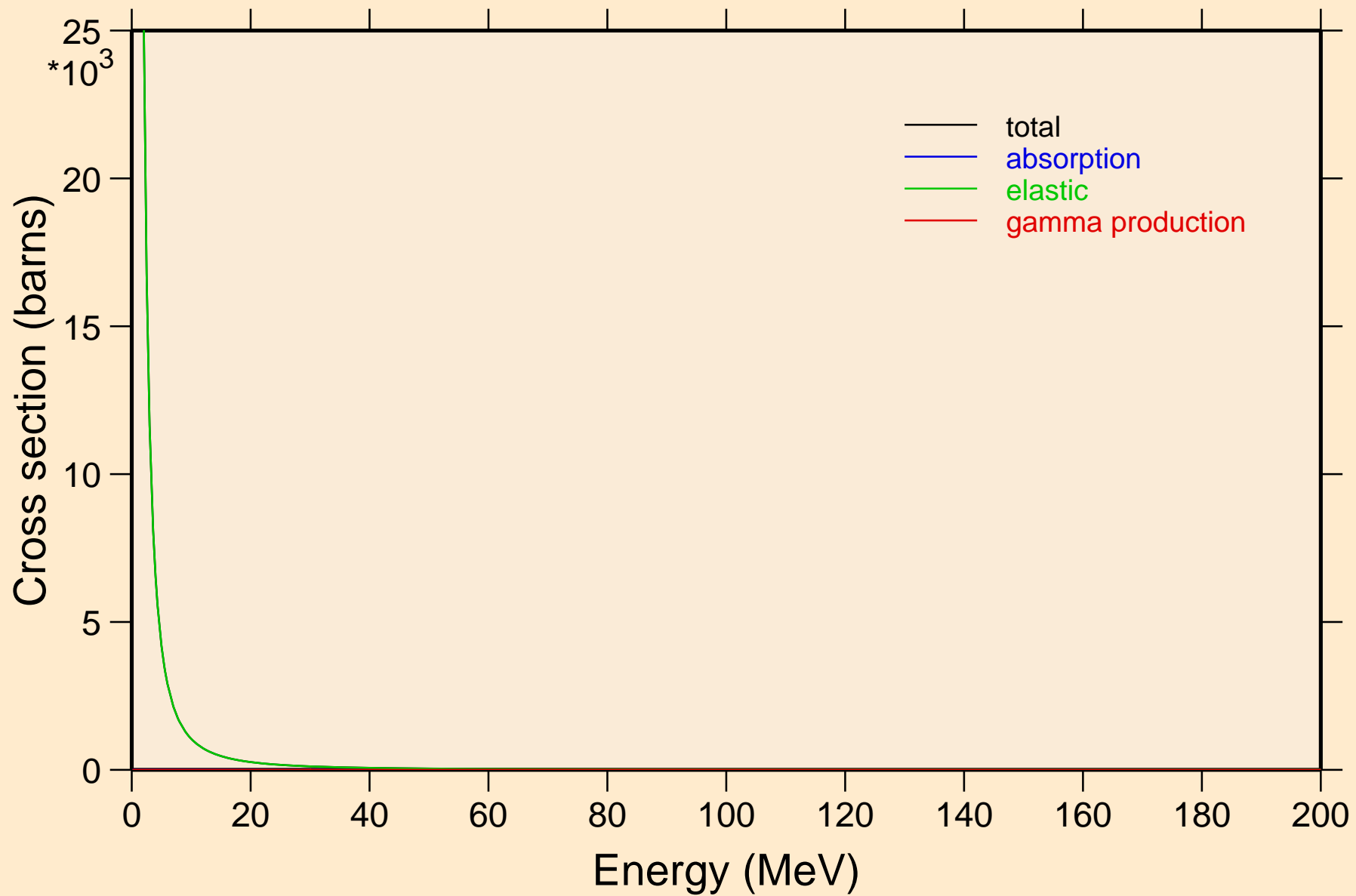
# GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Heating



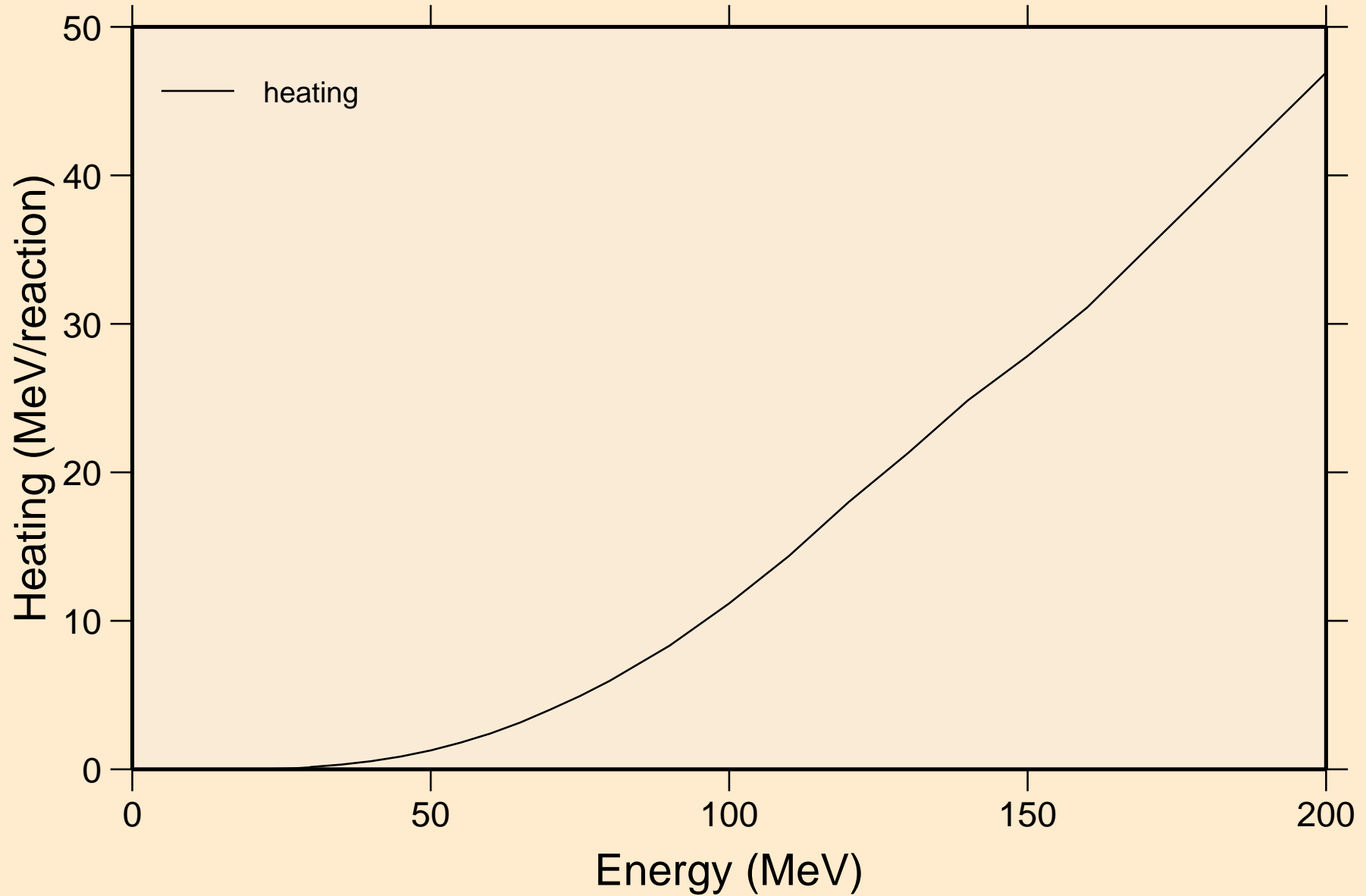
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## Principal cross sections

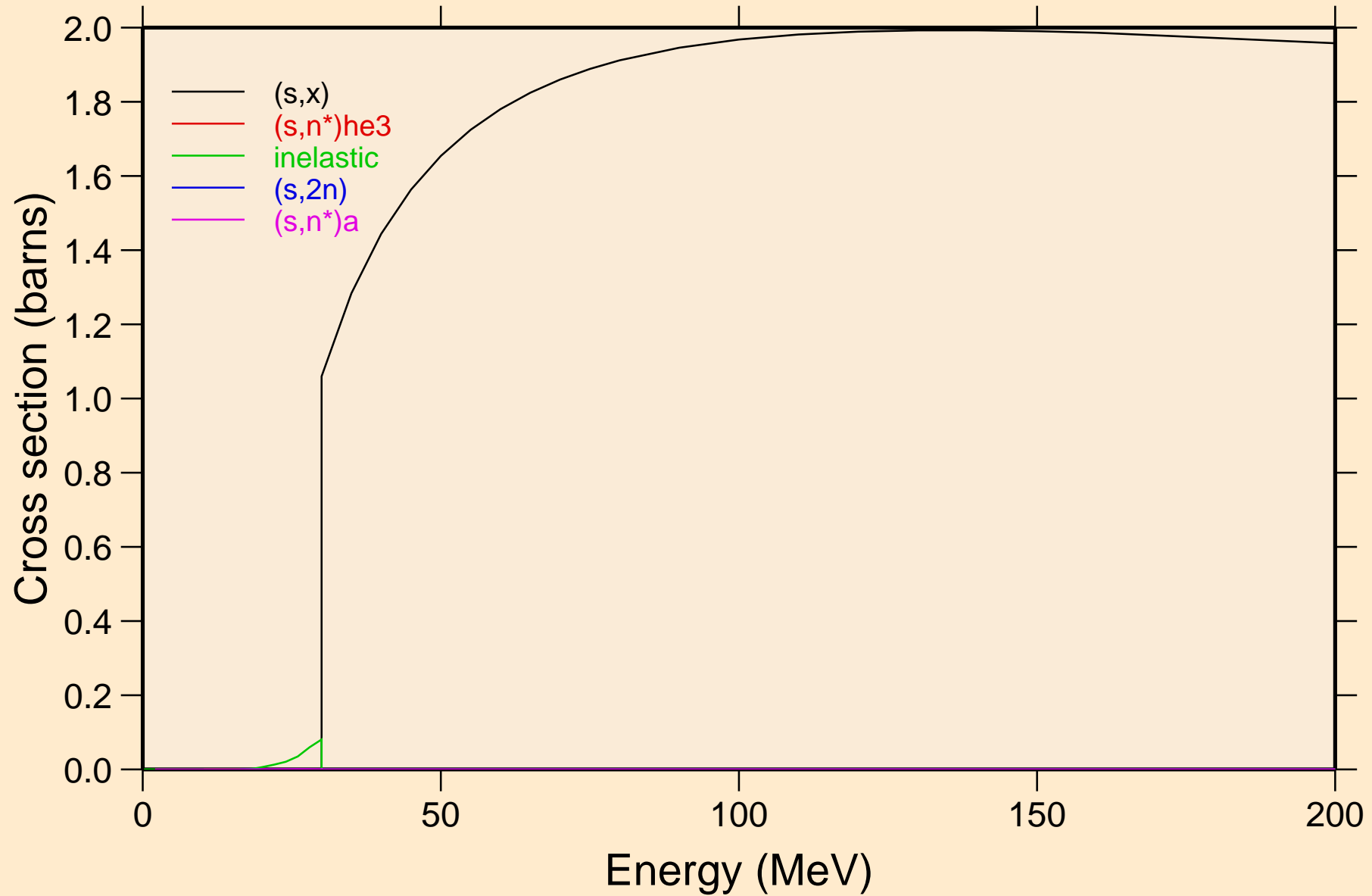


GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K

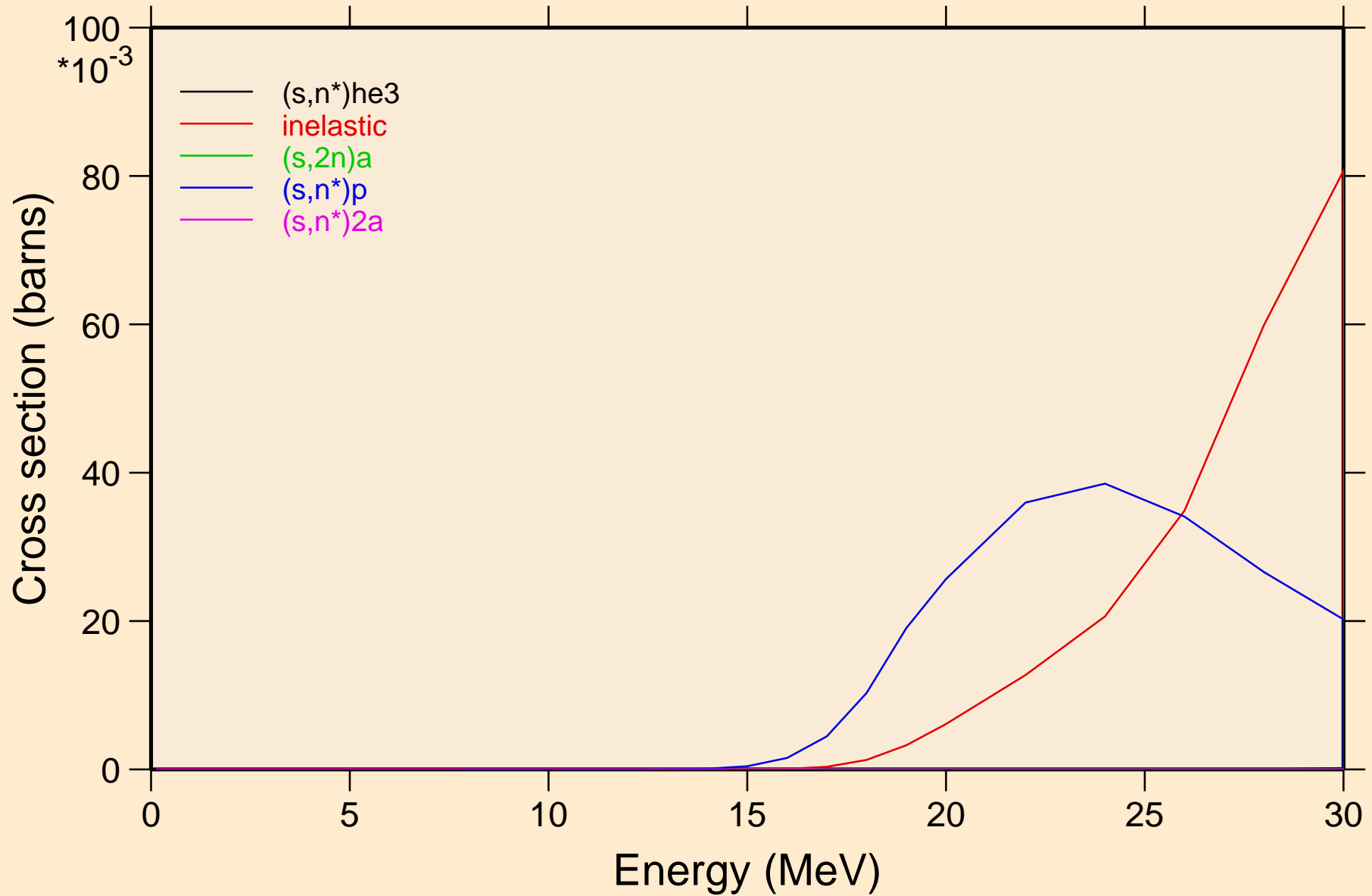
Heating



GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

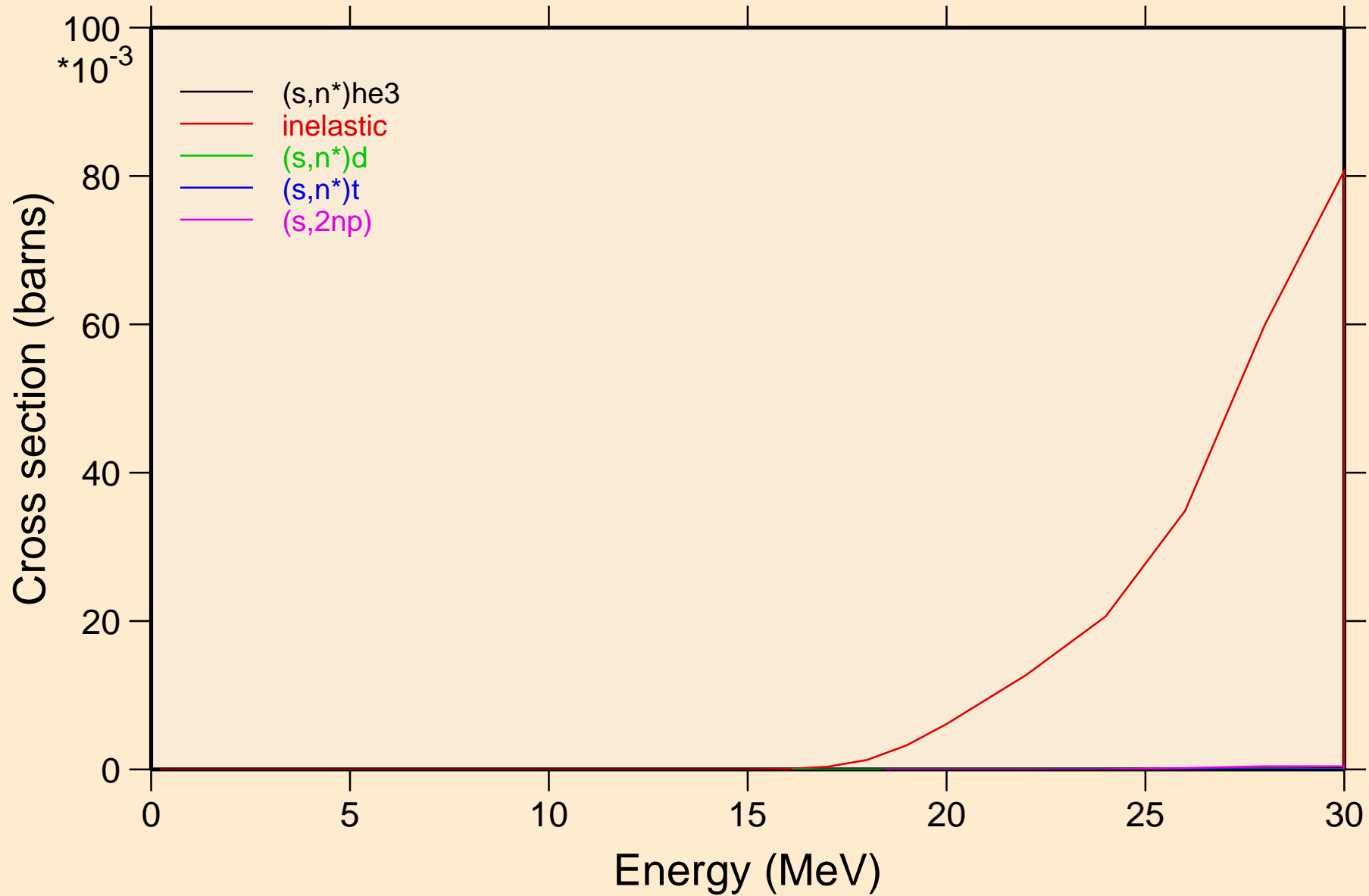


GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

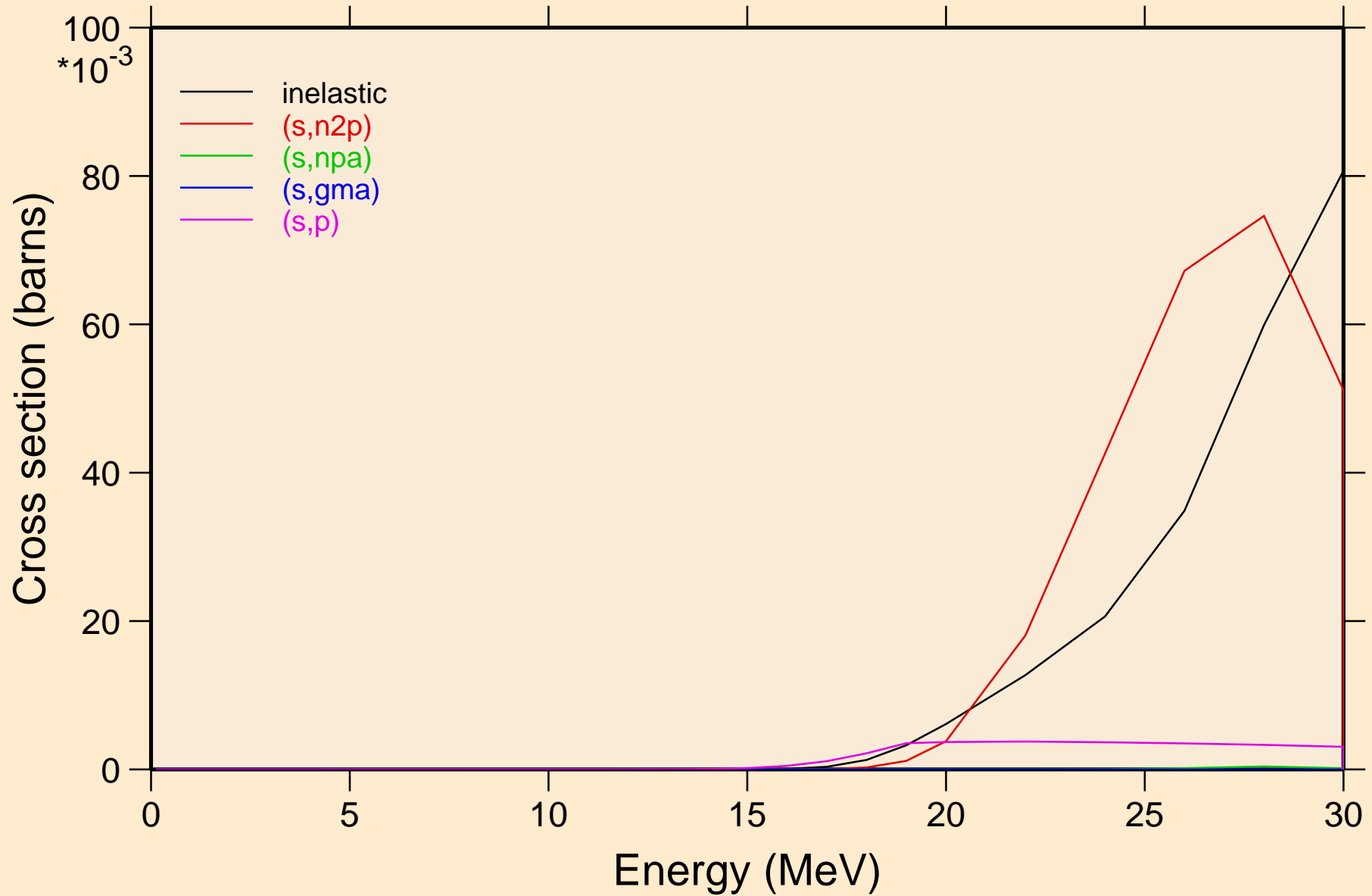


# GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



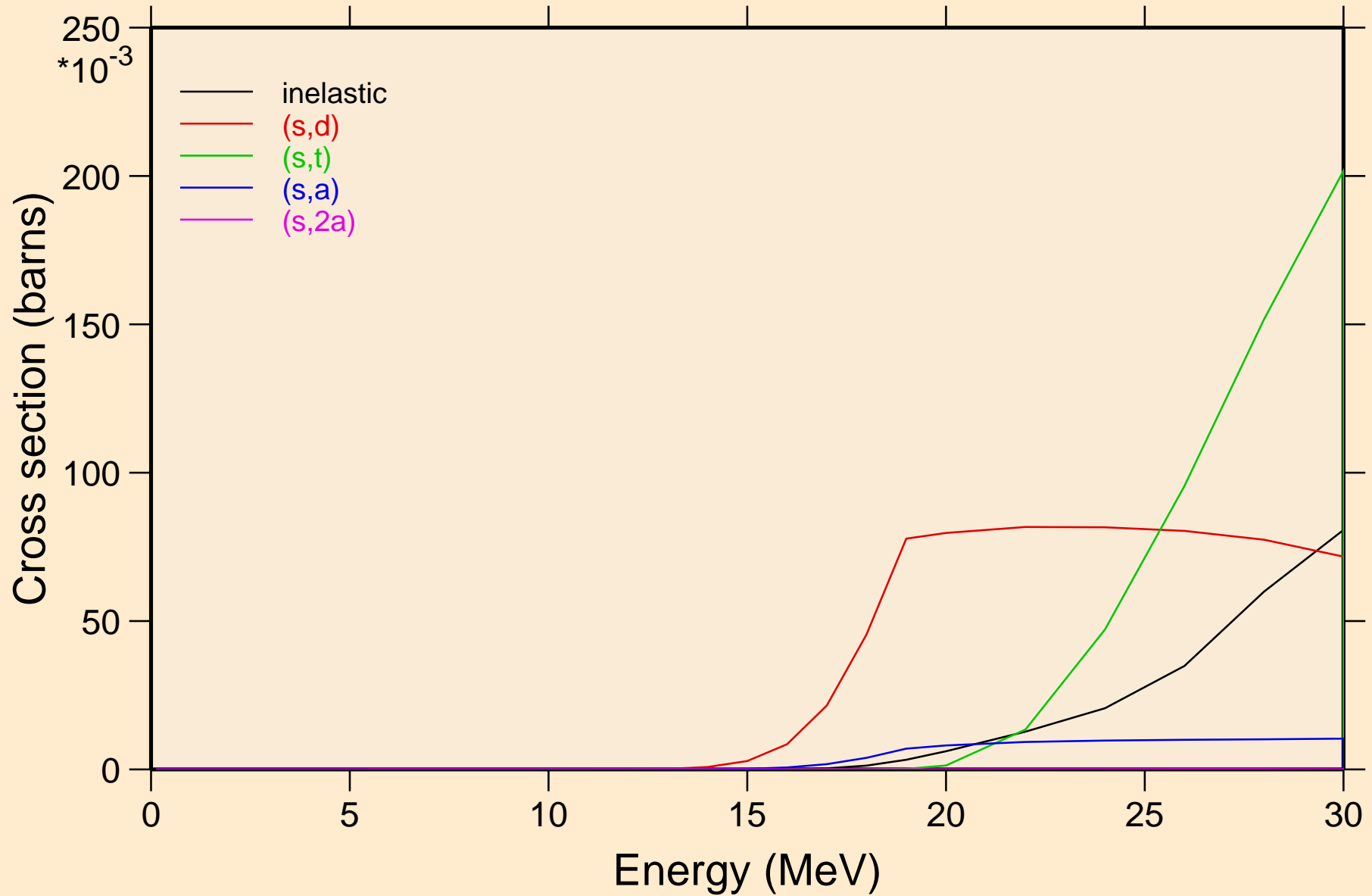
GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions





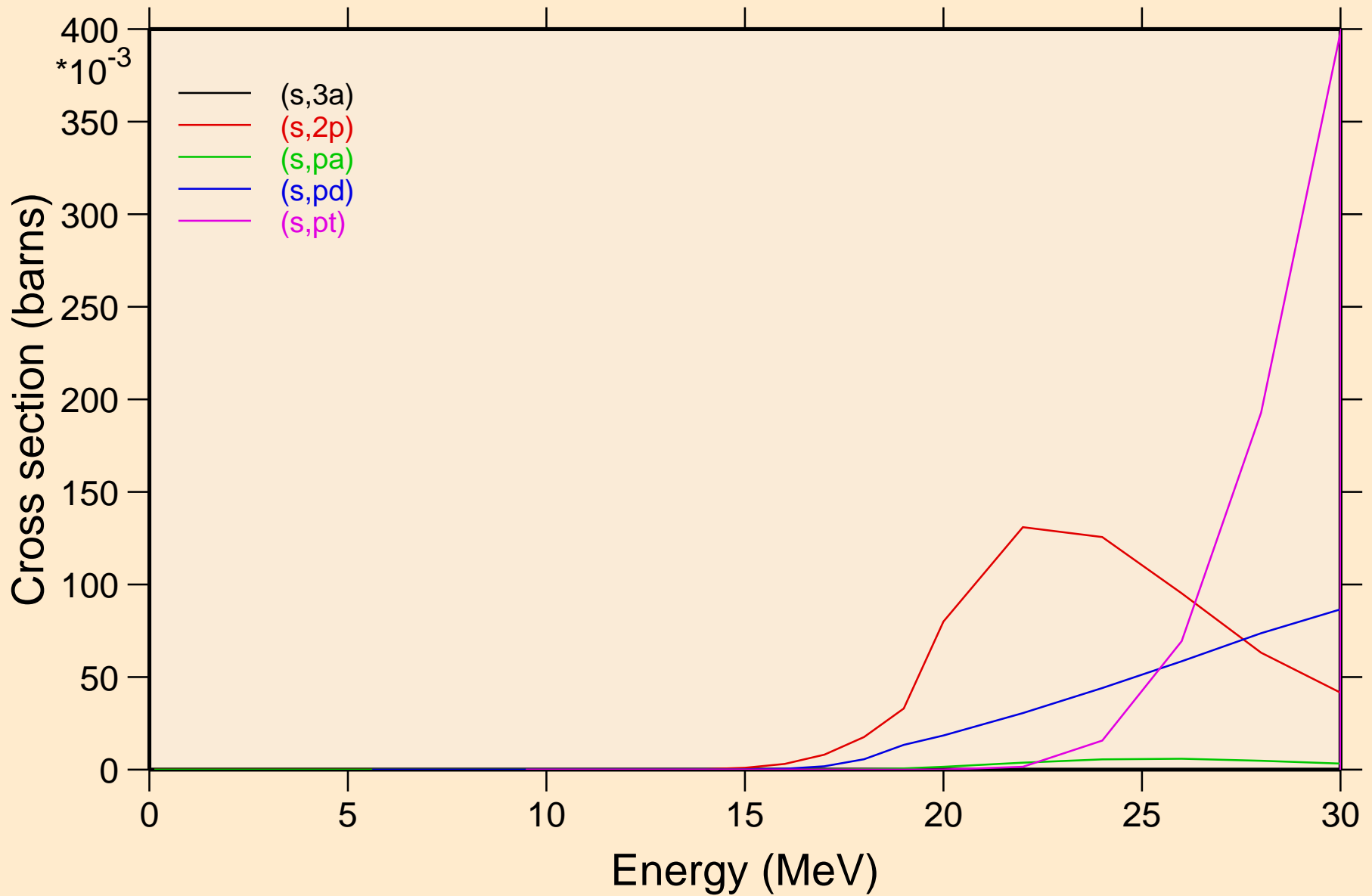
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## Threshold reactions

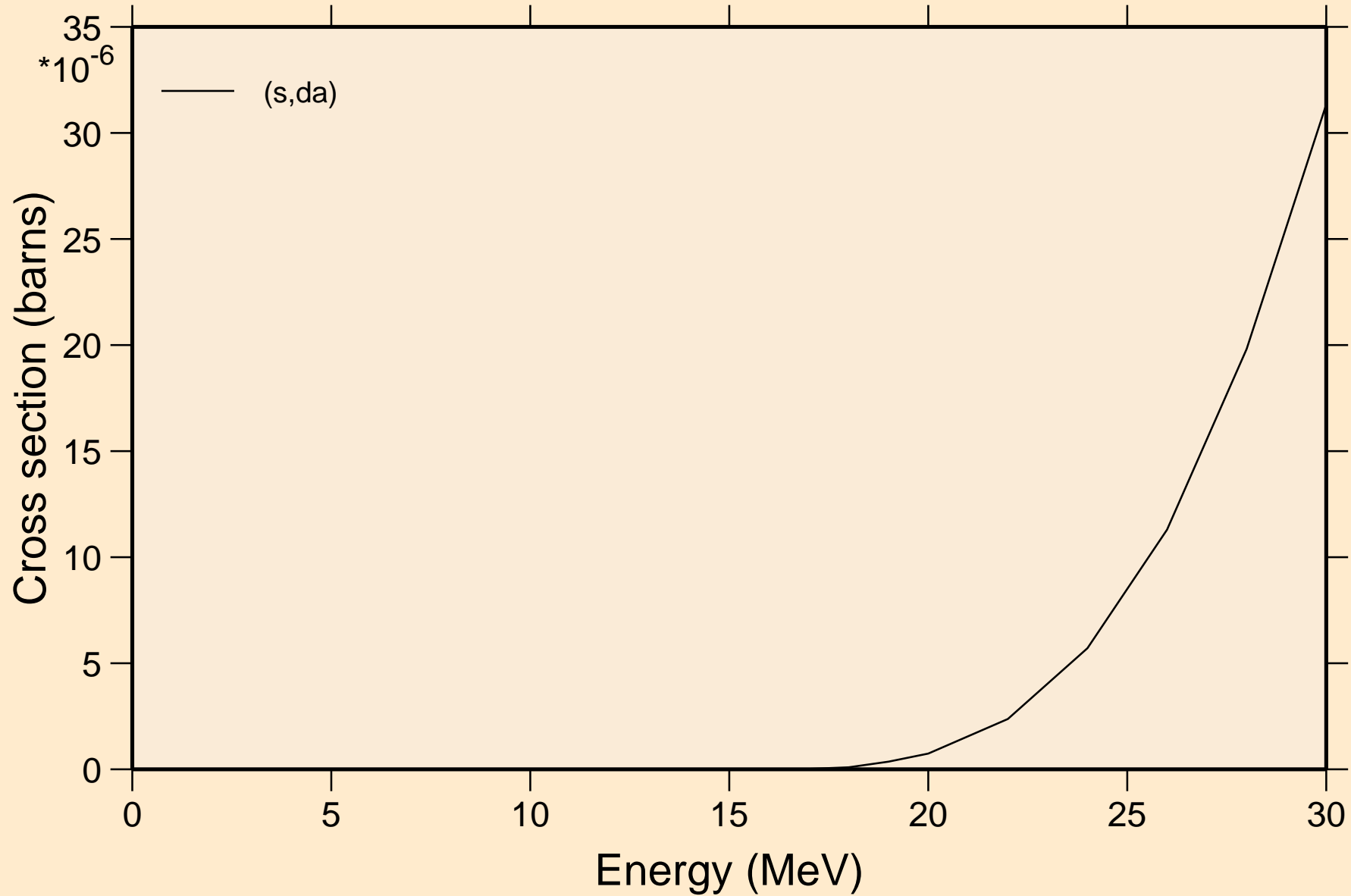


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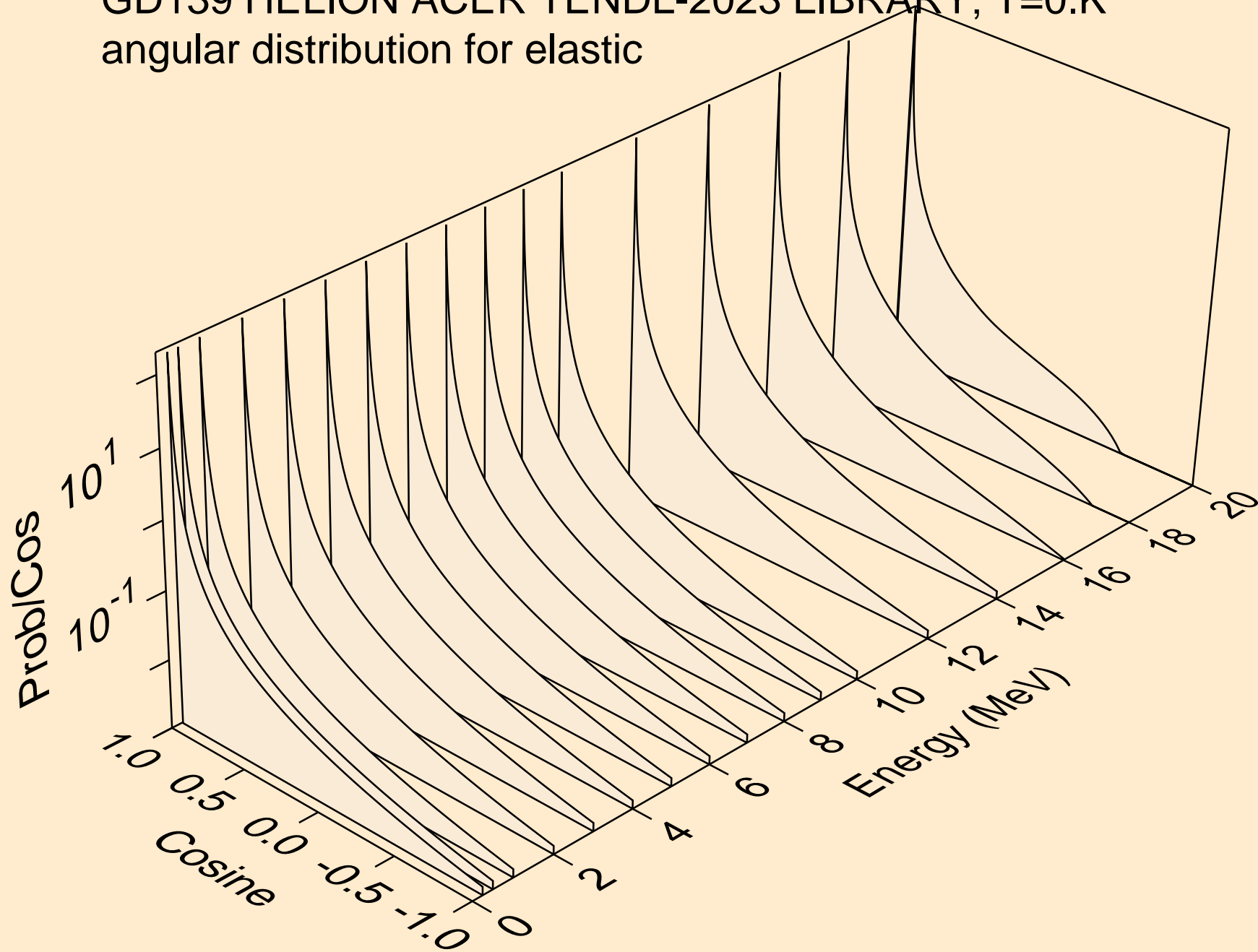
## Threshold reactions



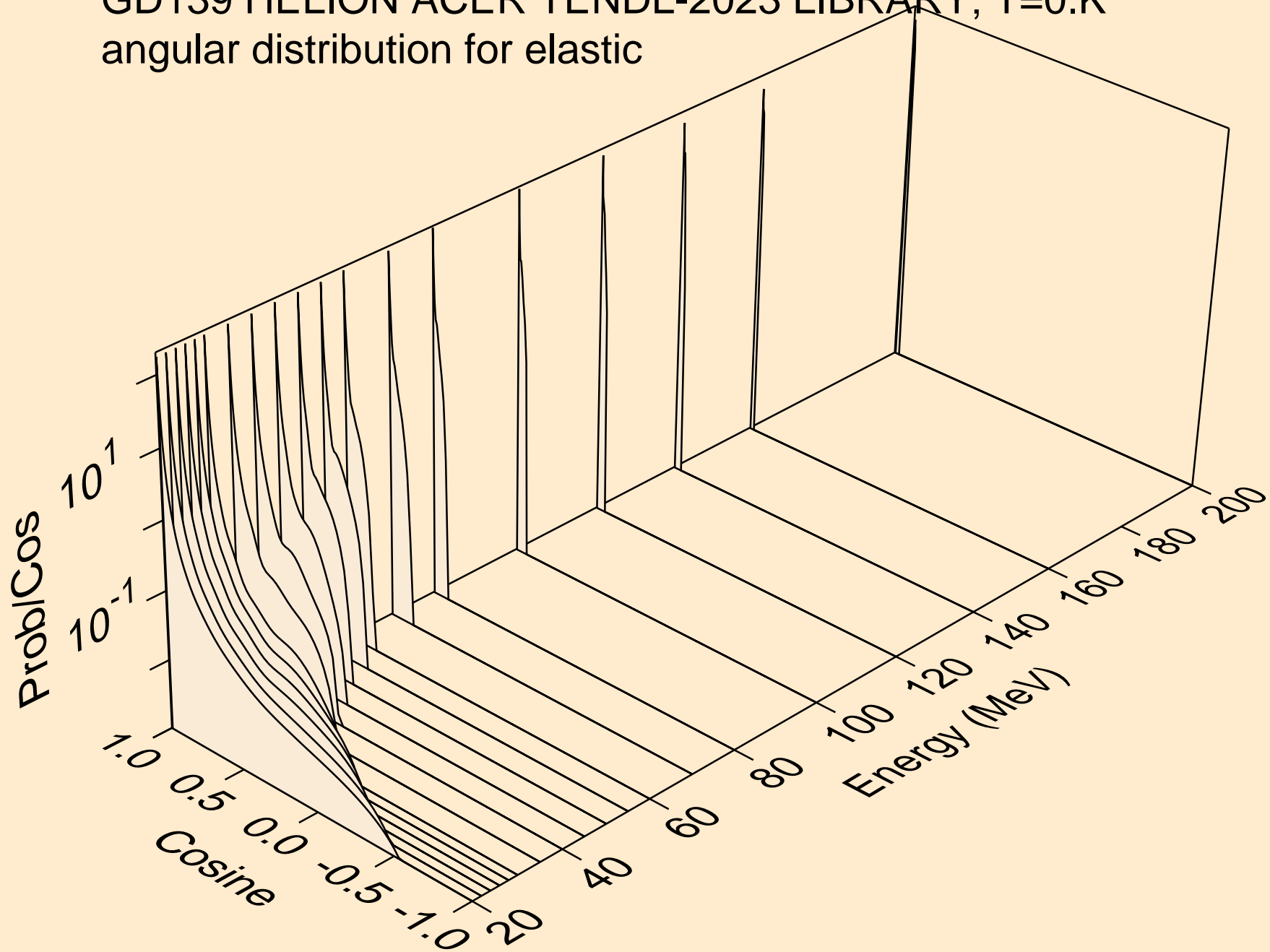
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Threshold reactions



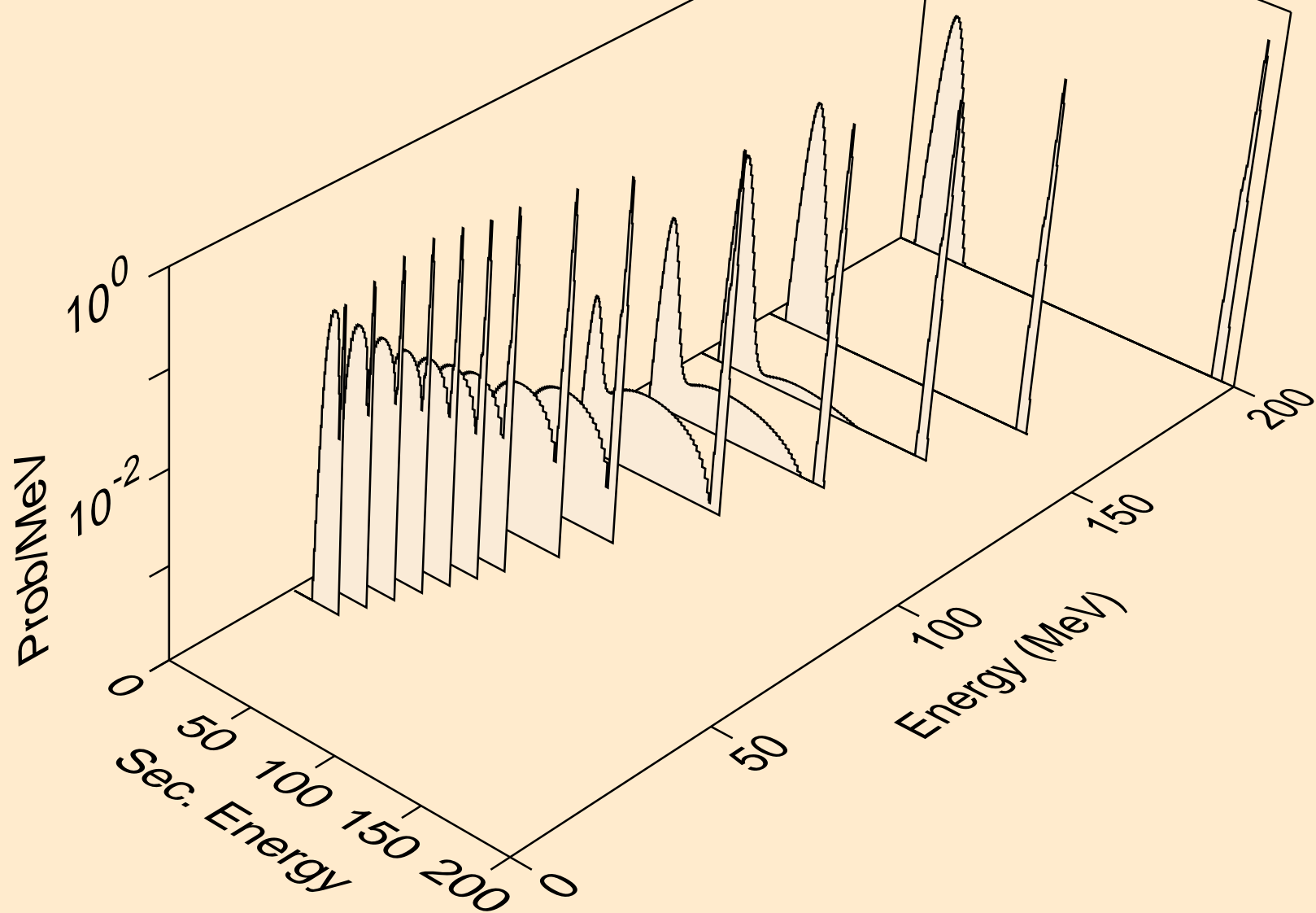
GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



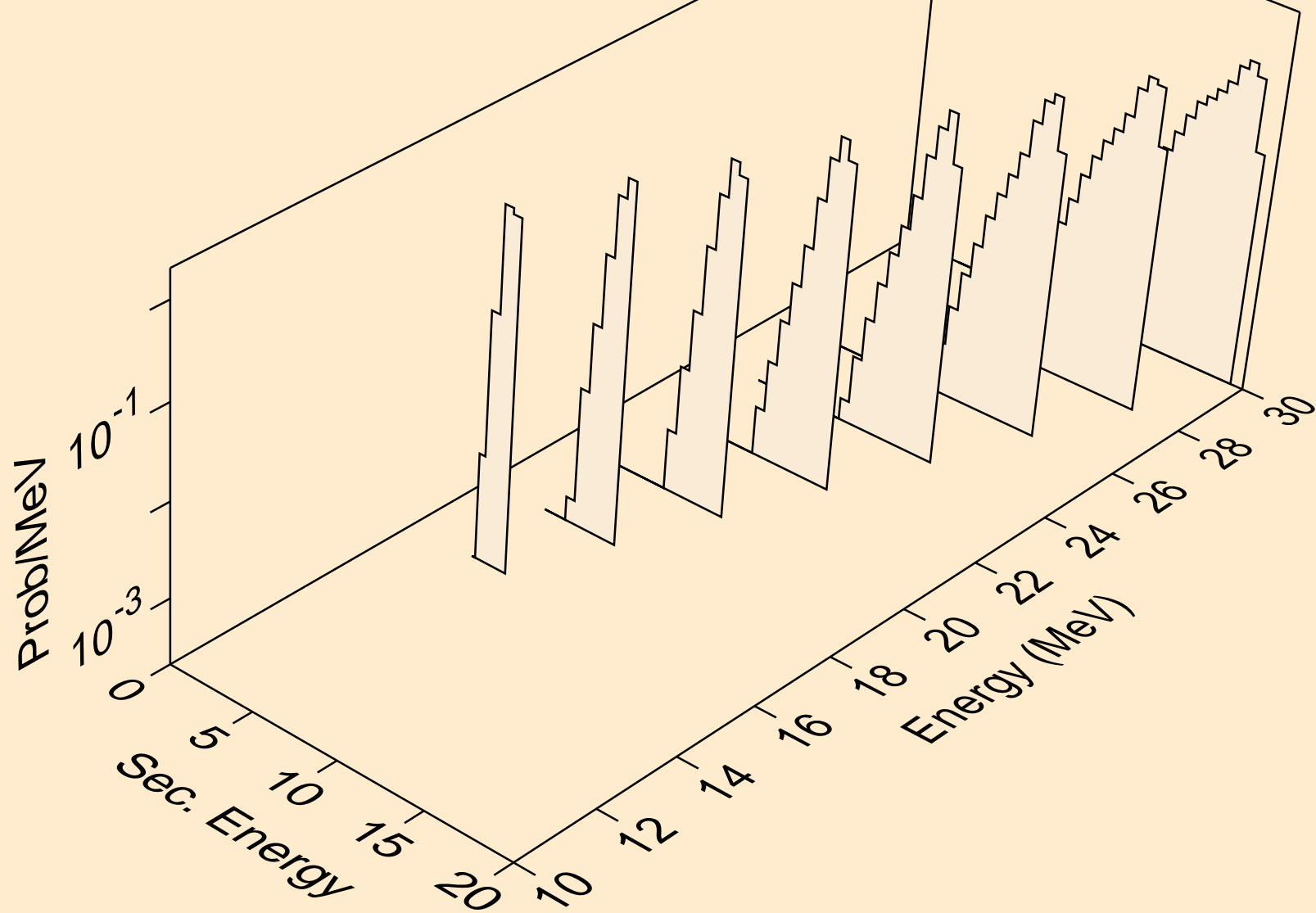
GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



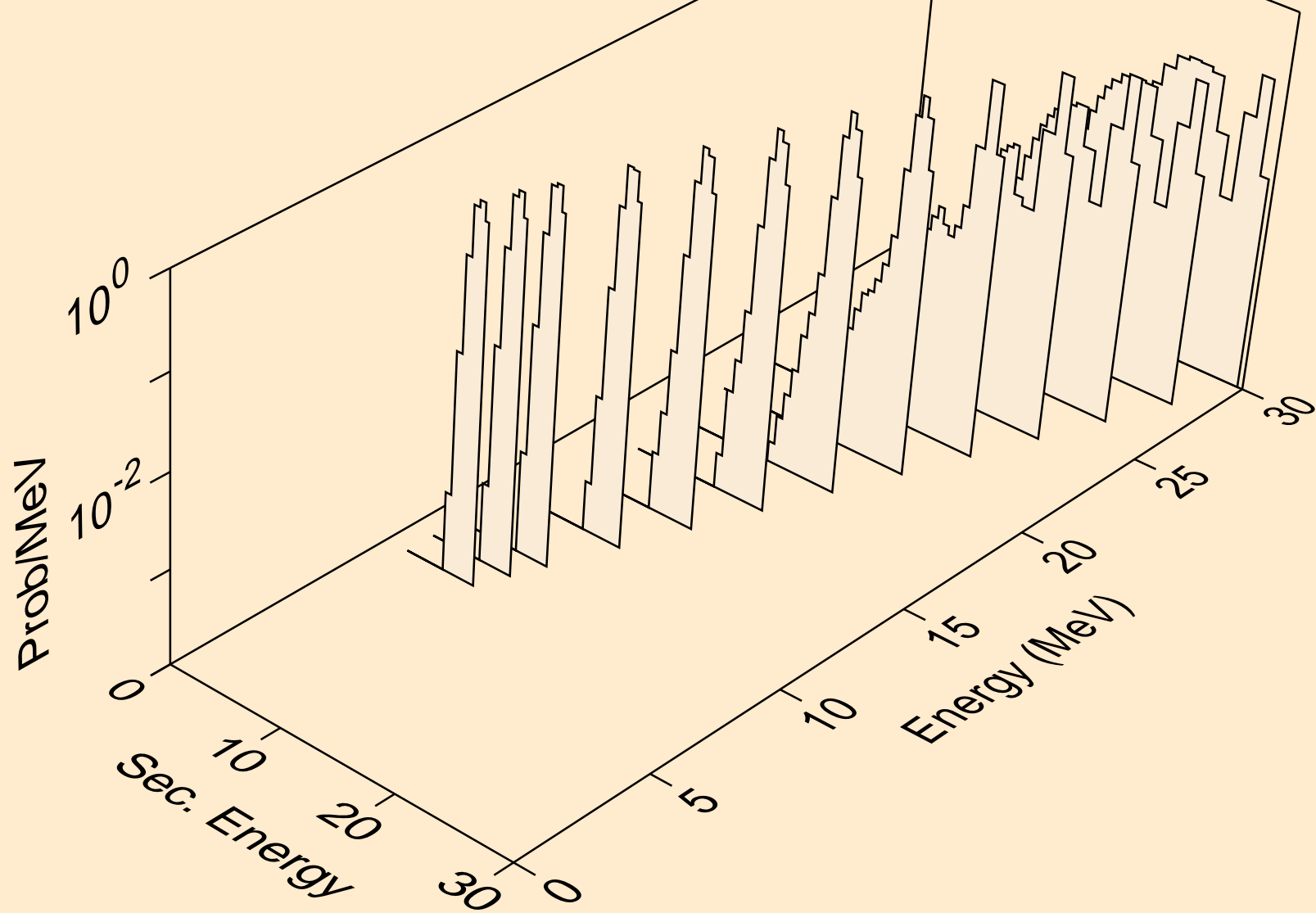
GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)



GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

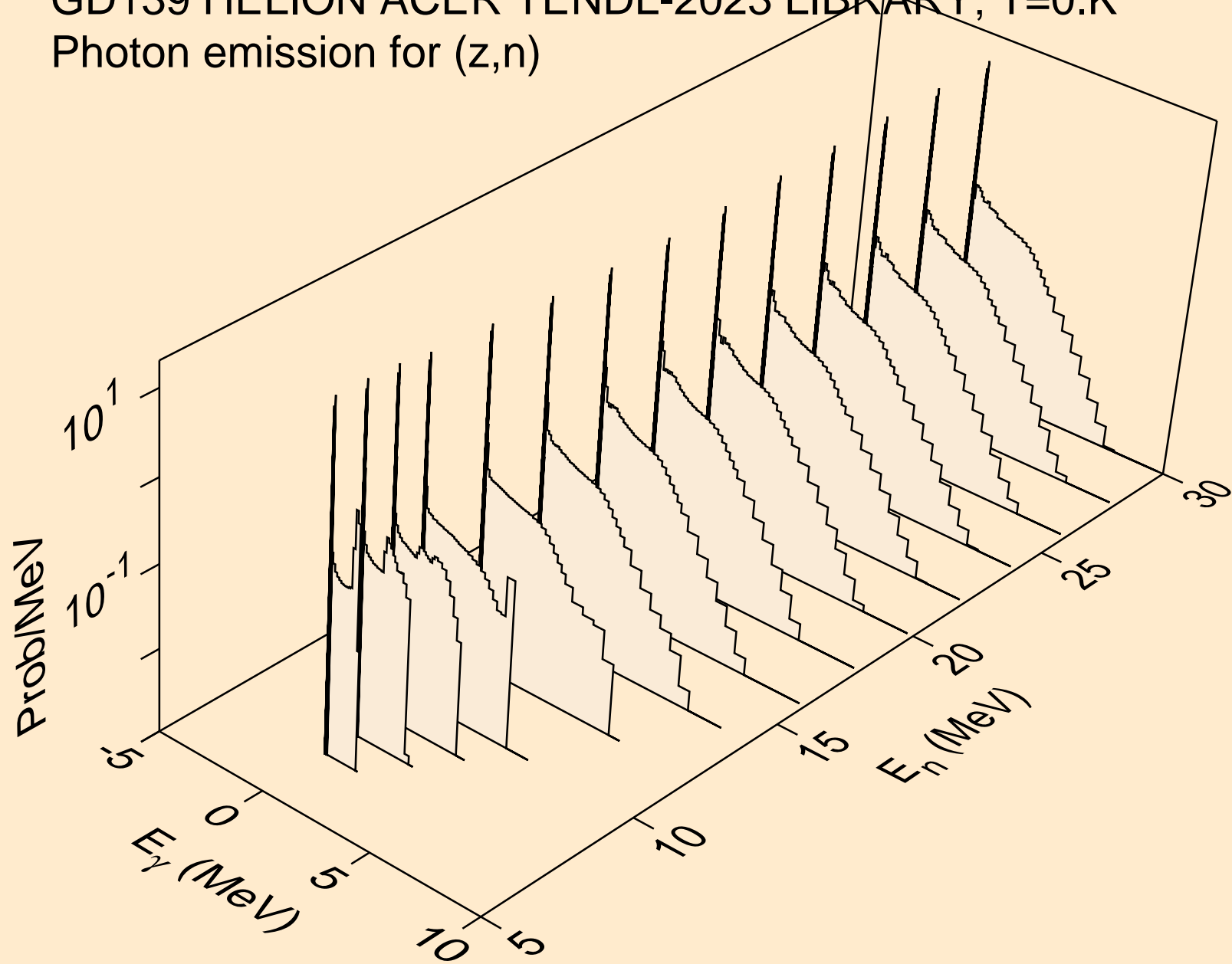


GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic

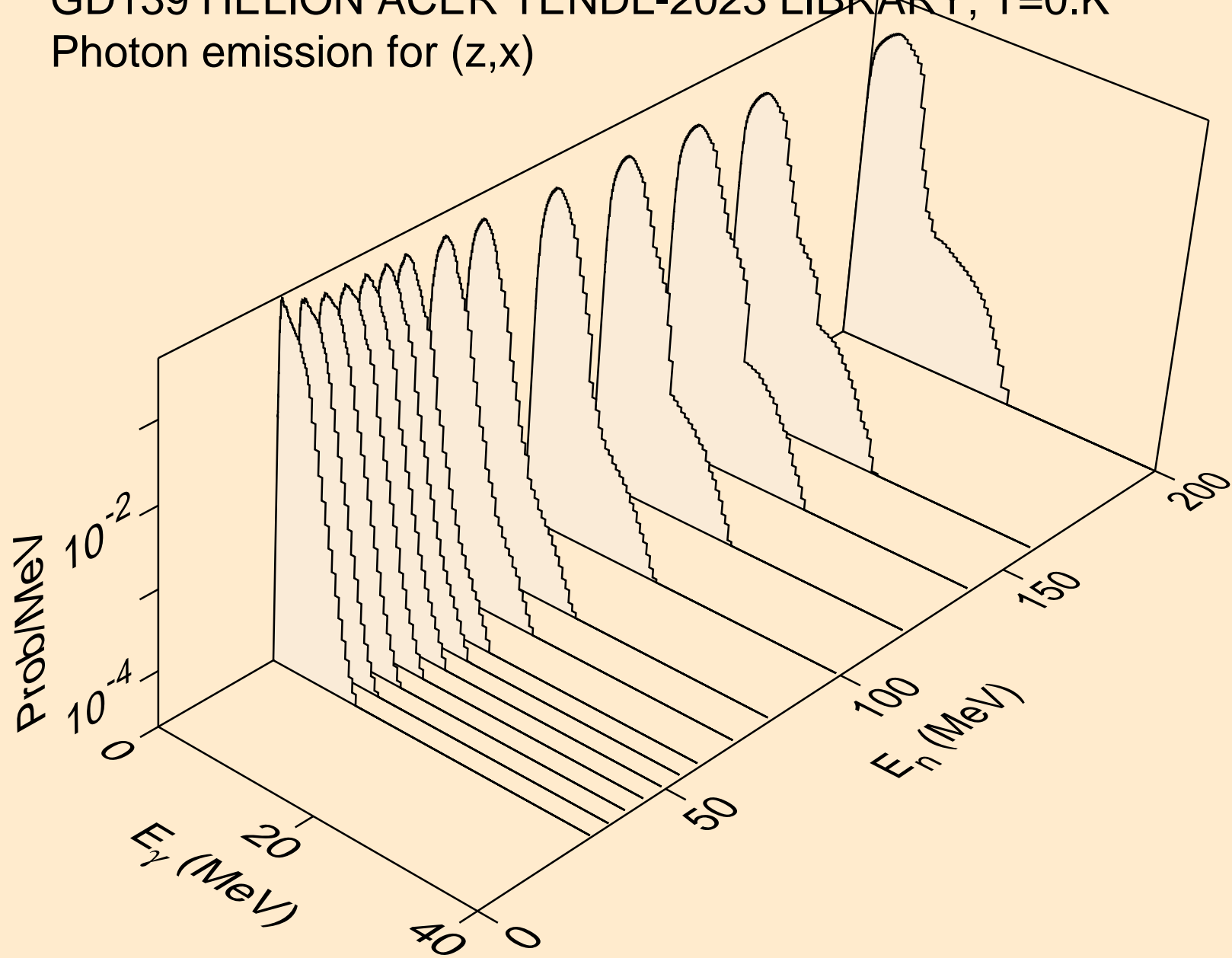




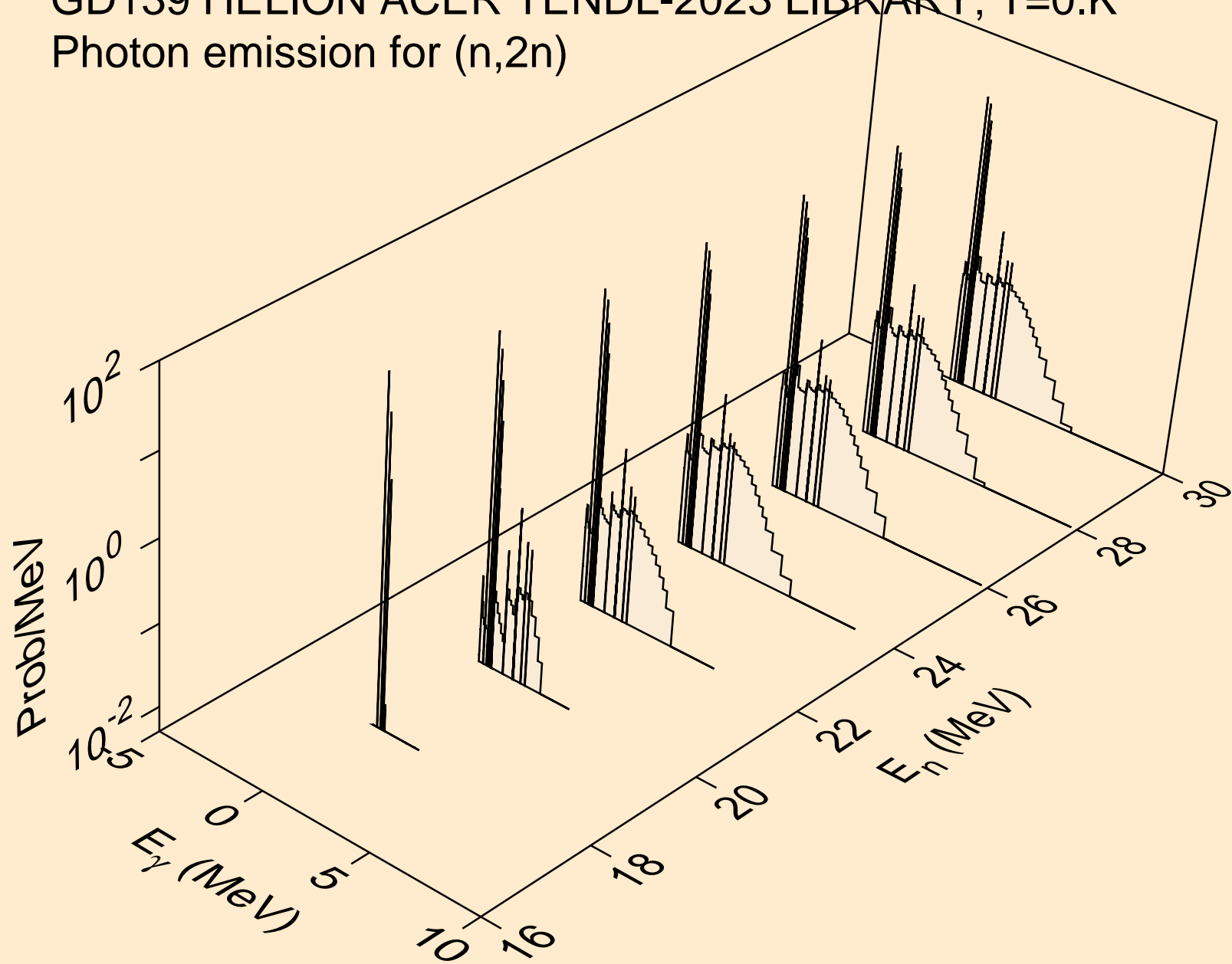
GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



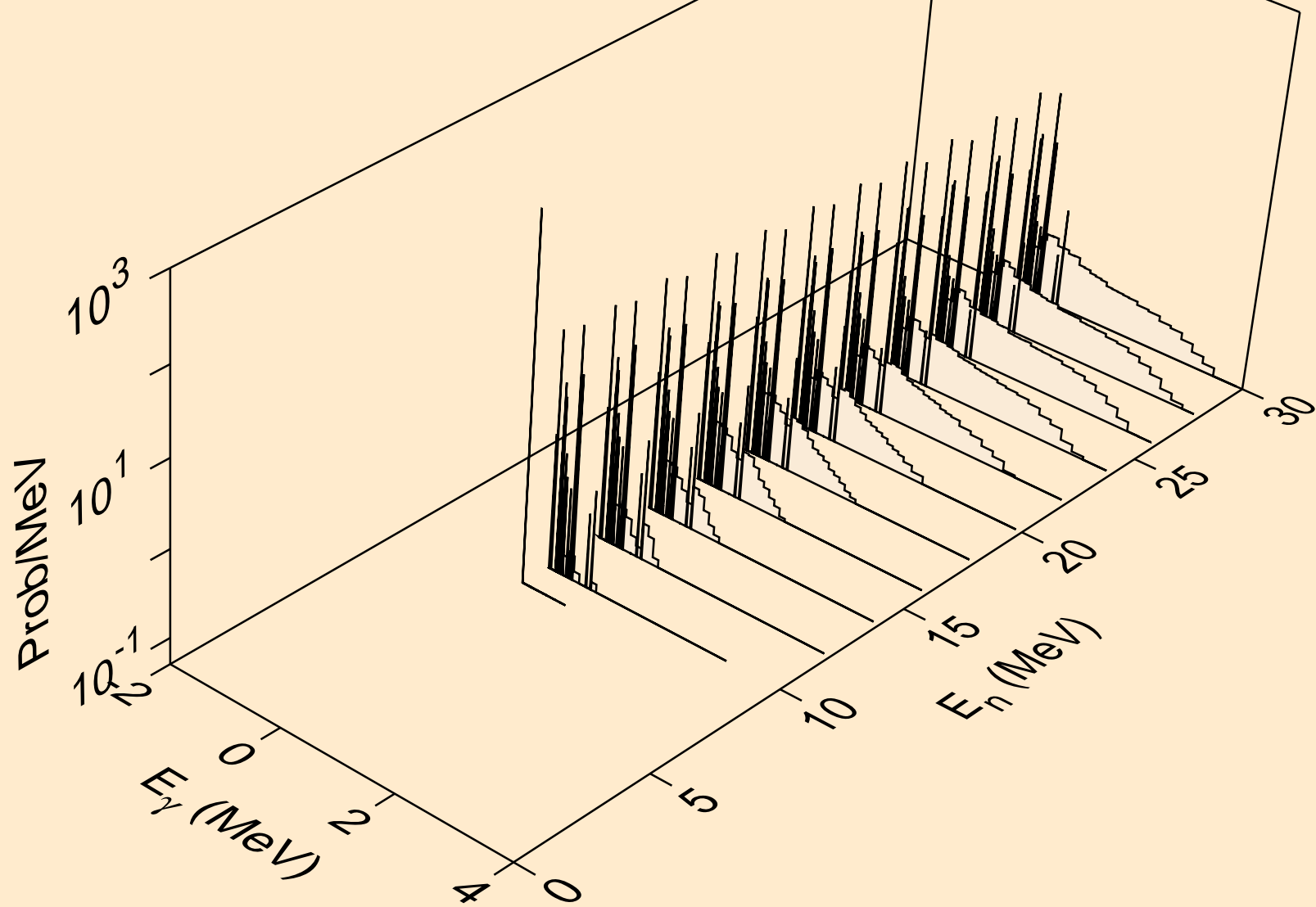
GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



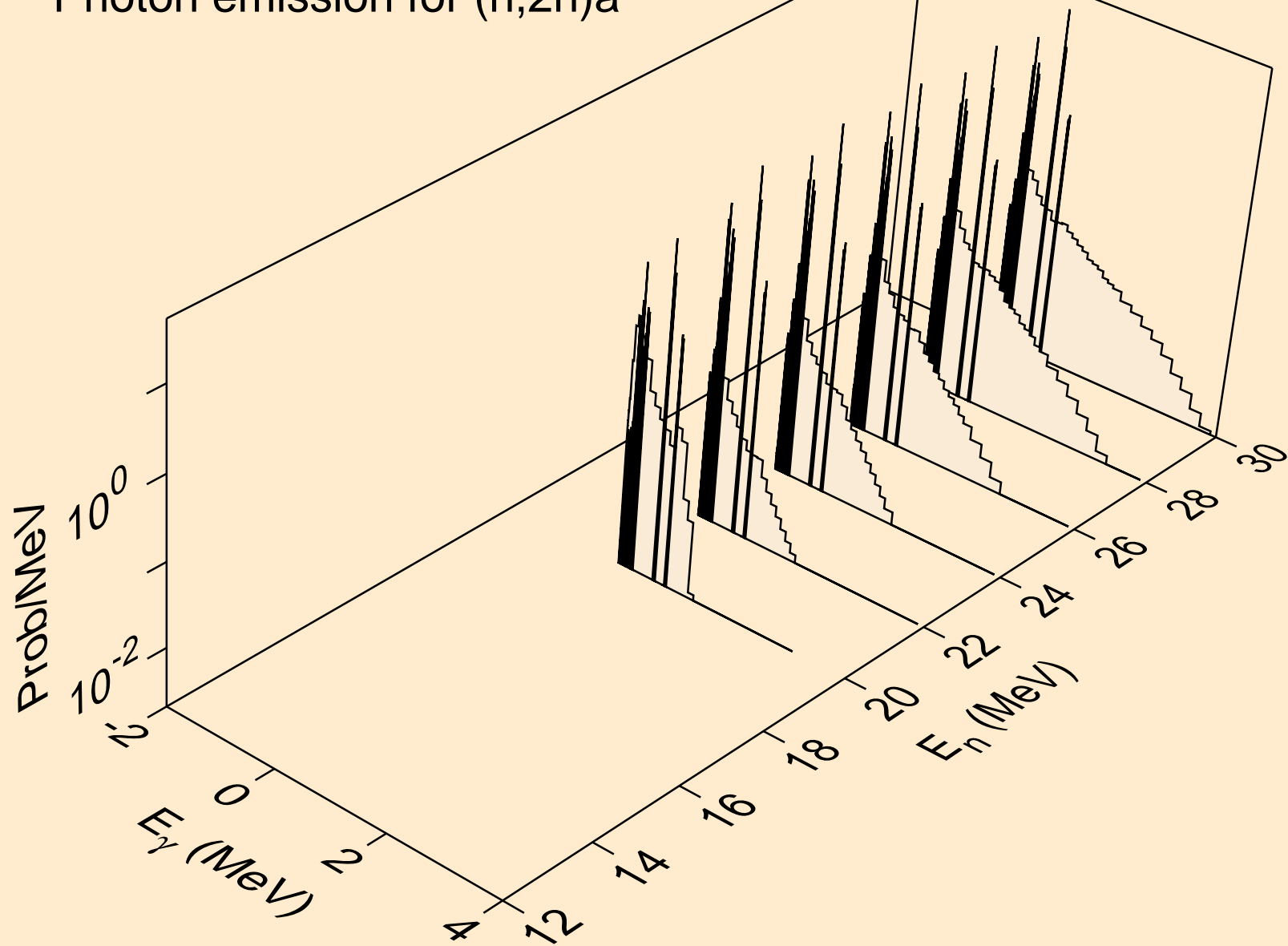
GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



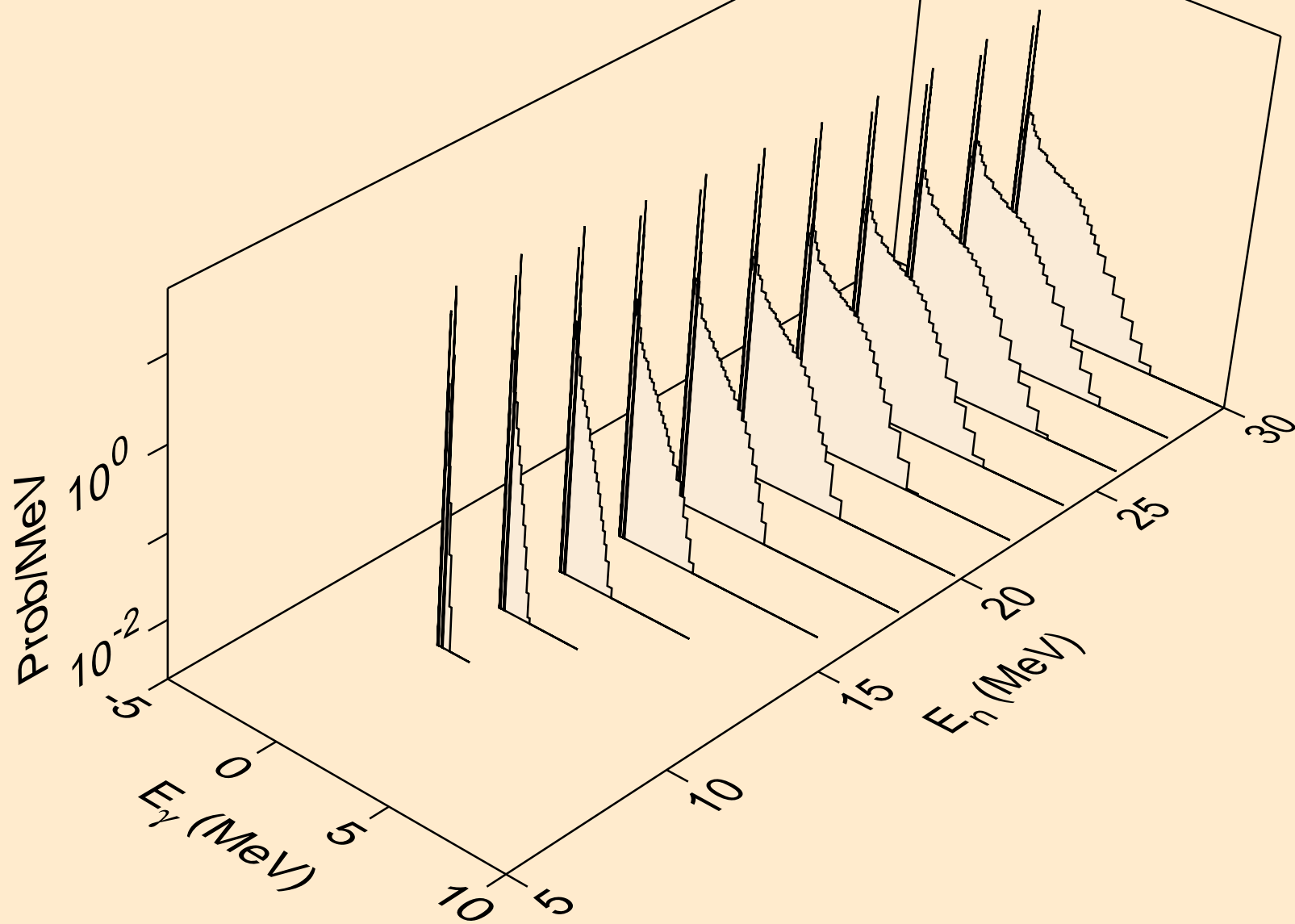
GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



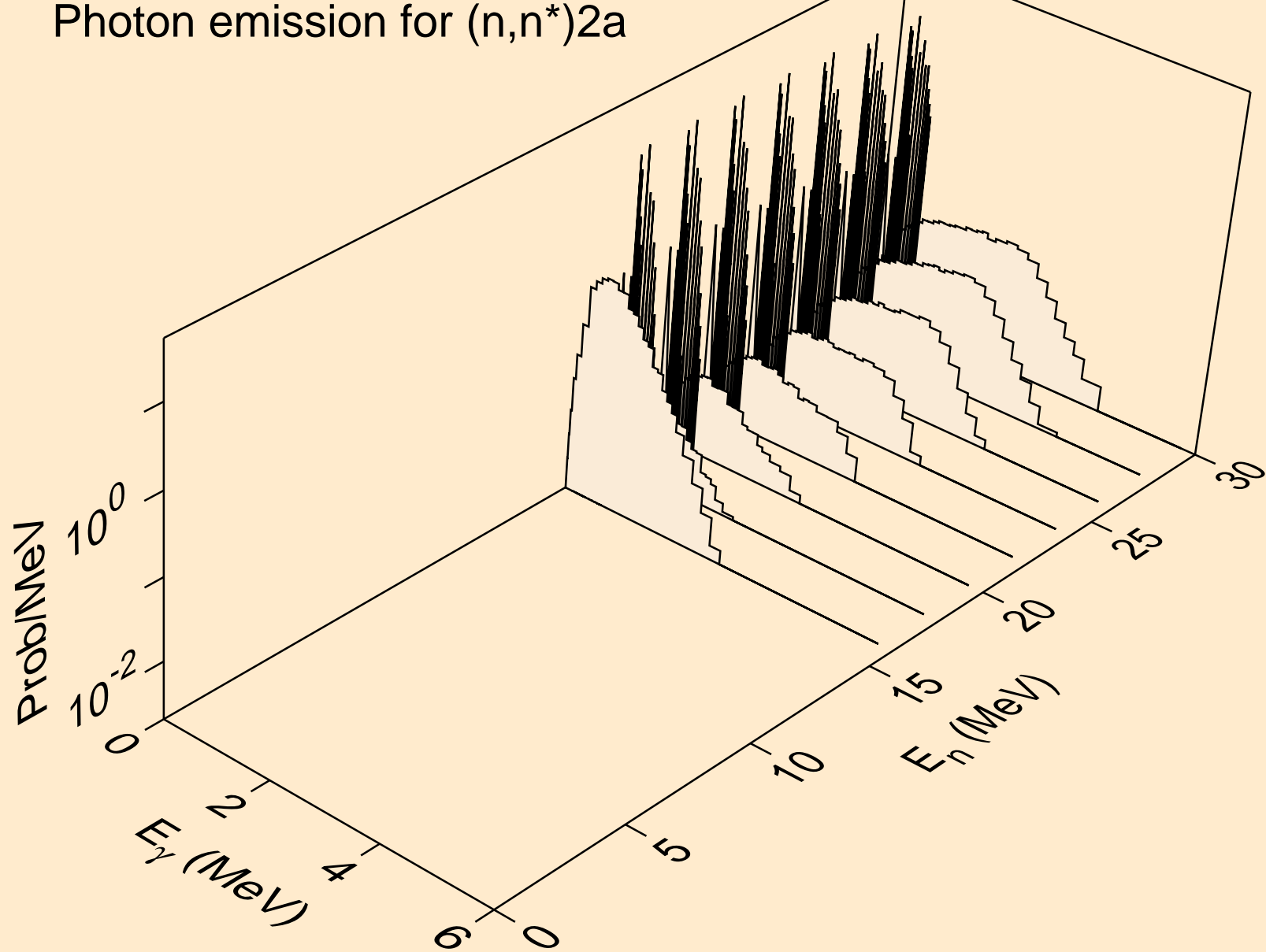
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Photon emission for (n,2n)a



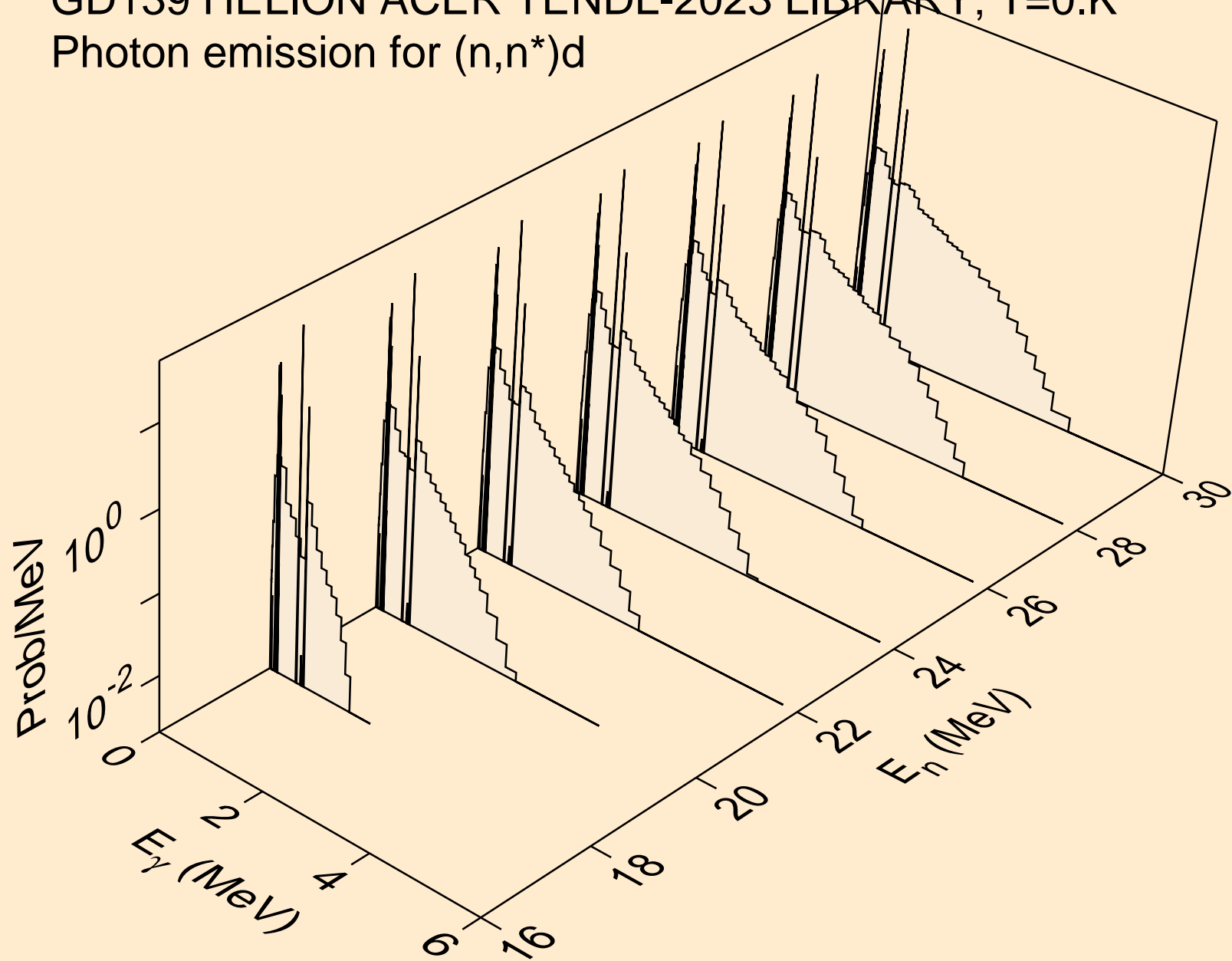
GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

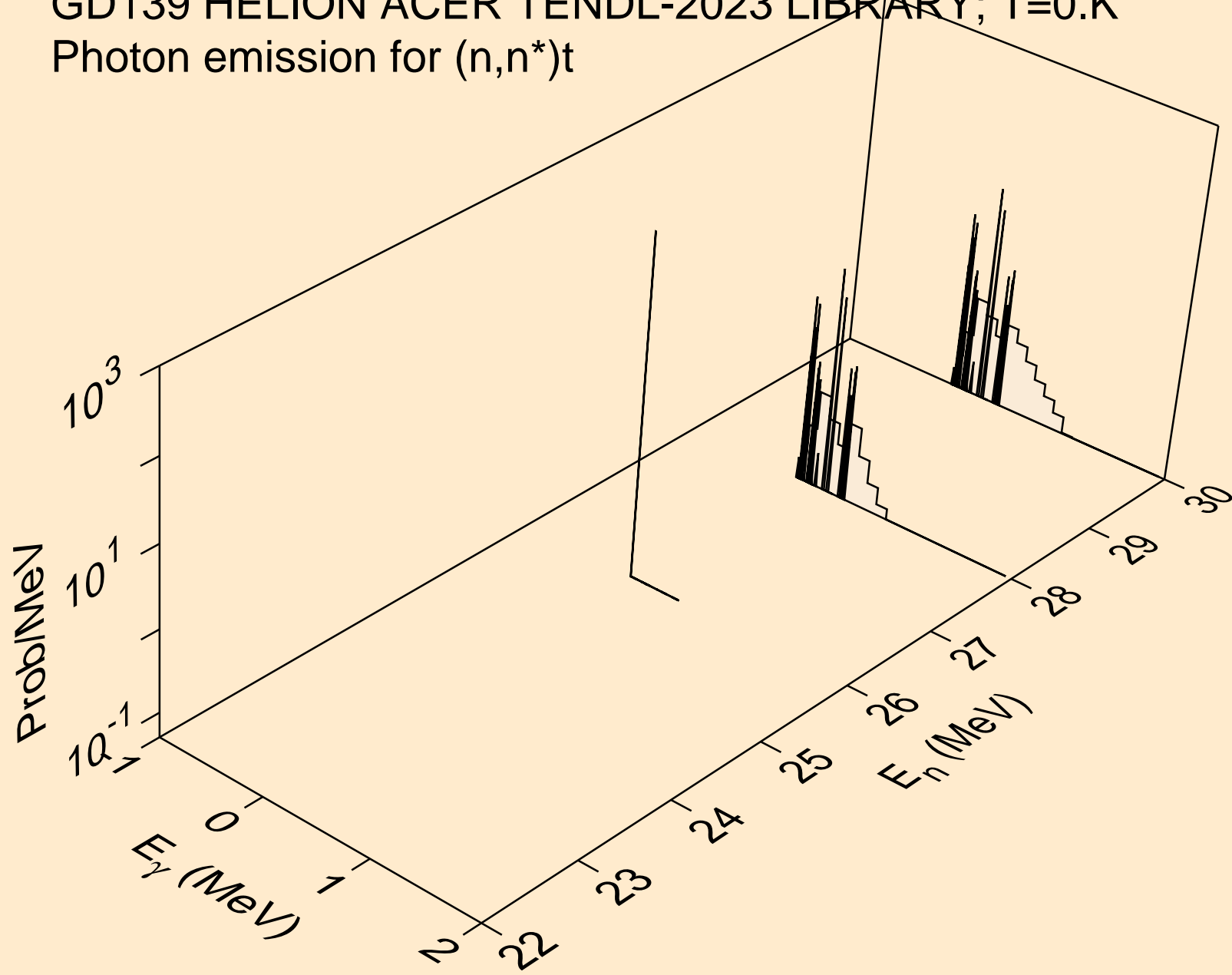


GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

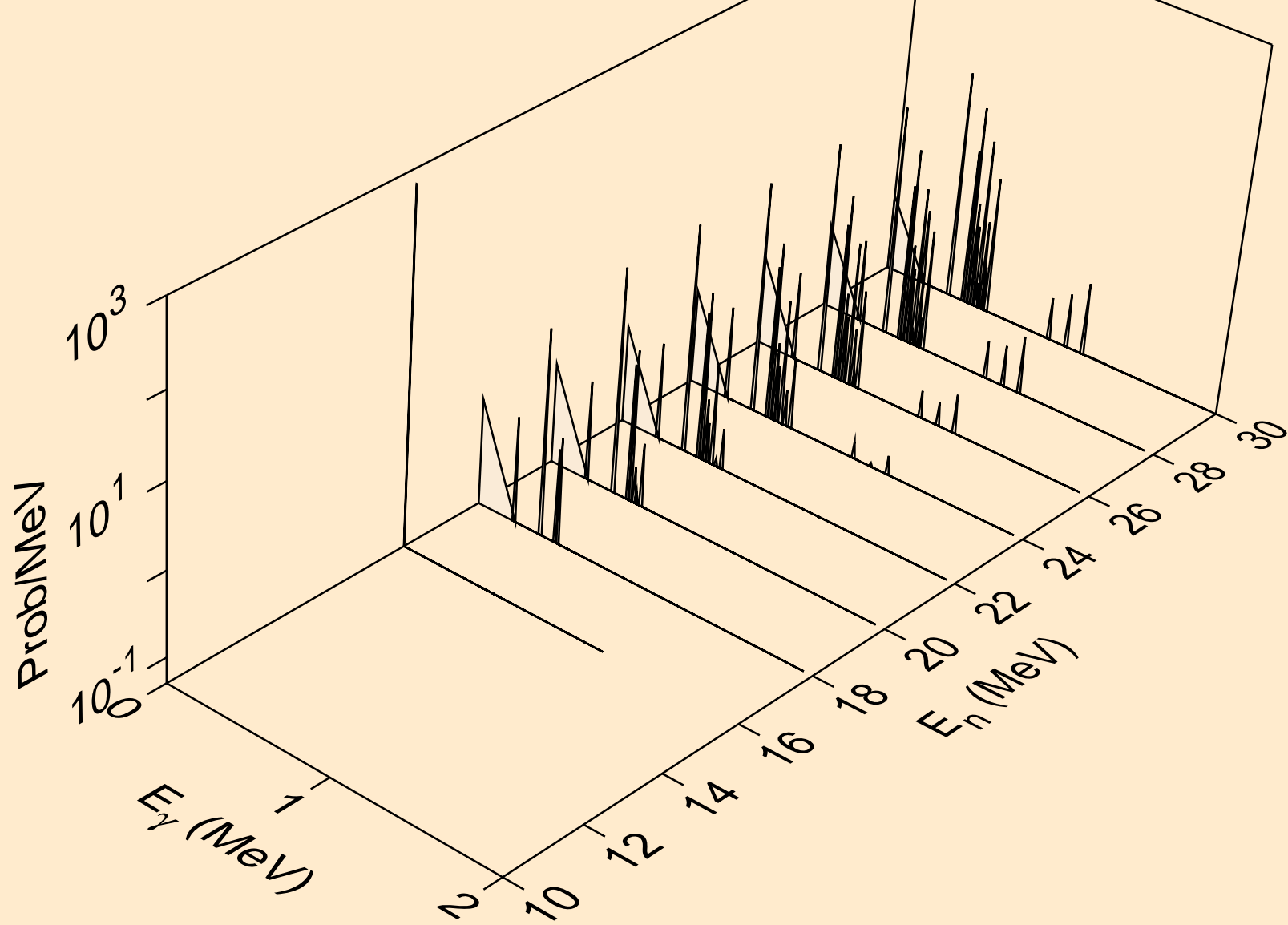




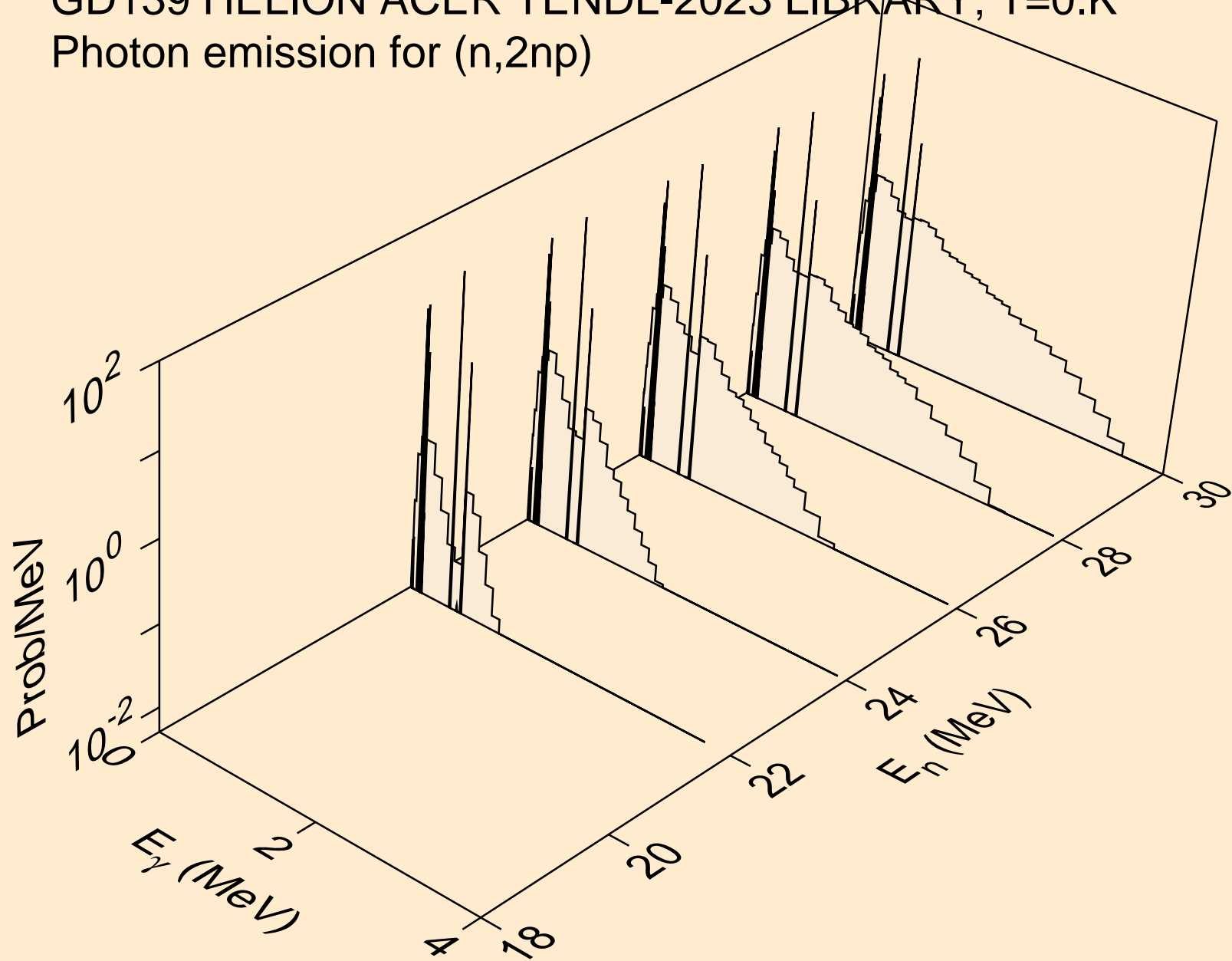
GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



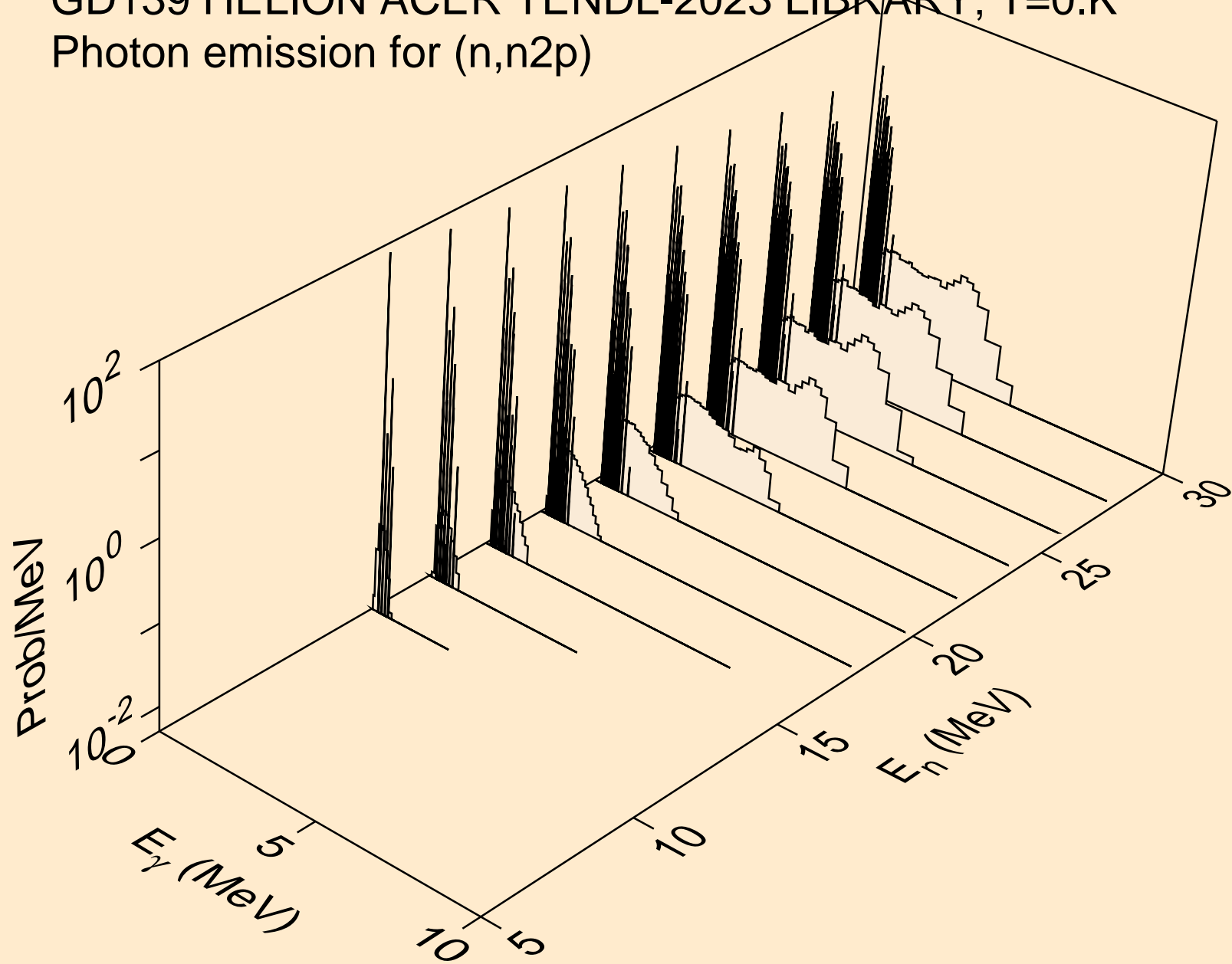
GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



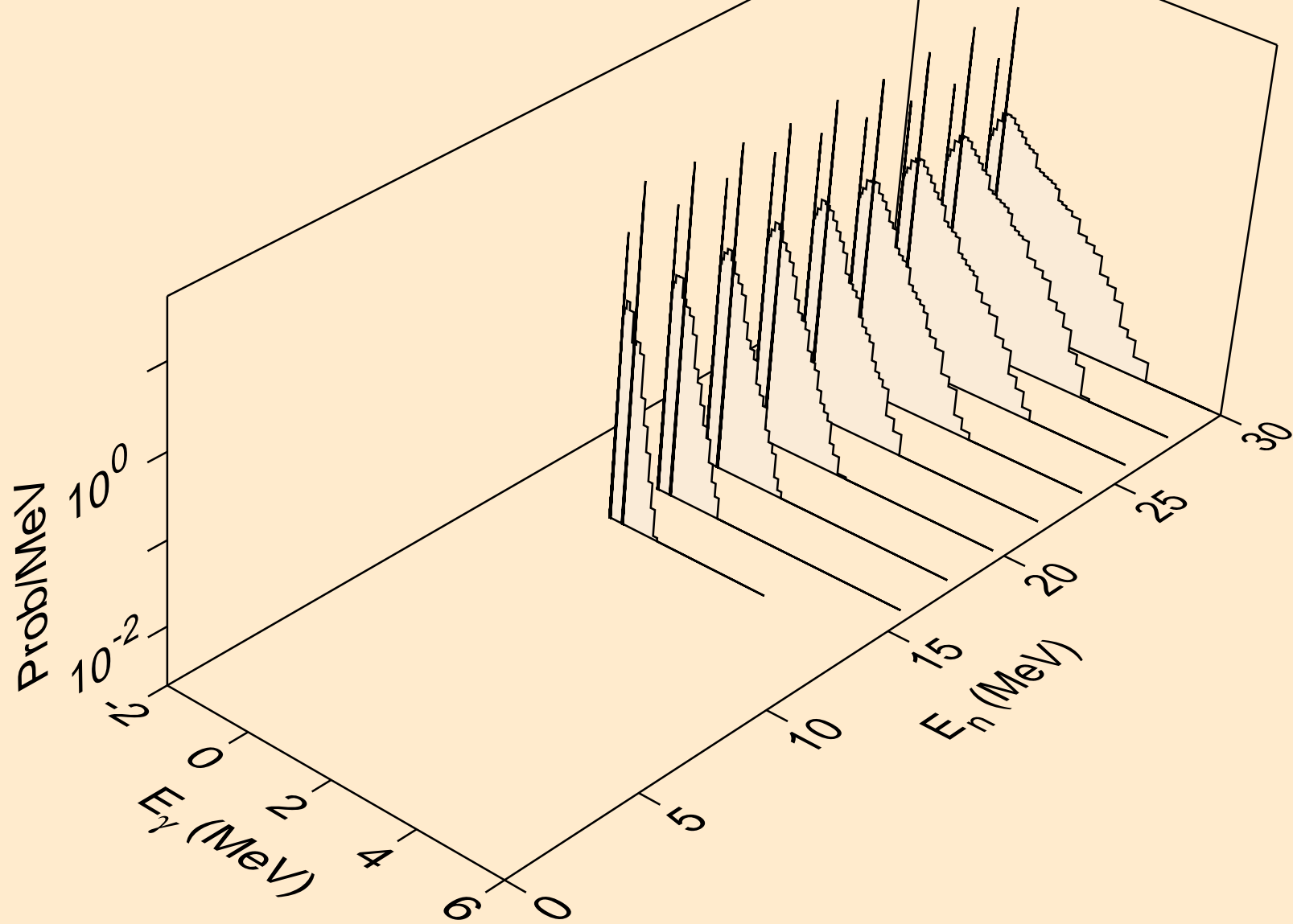
GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



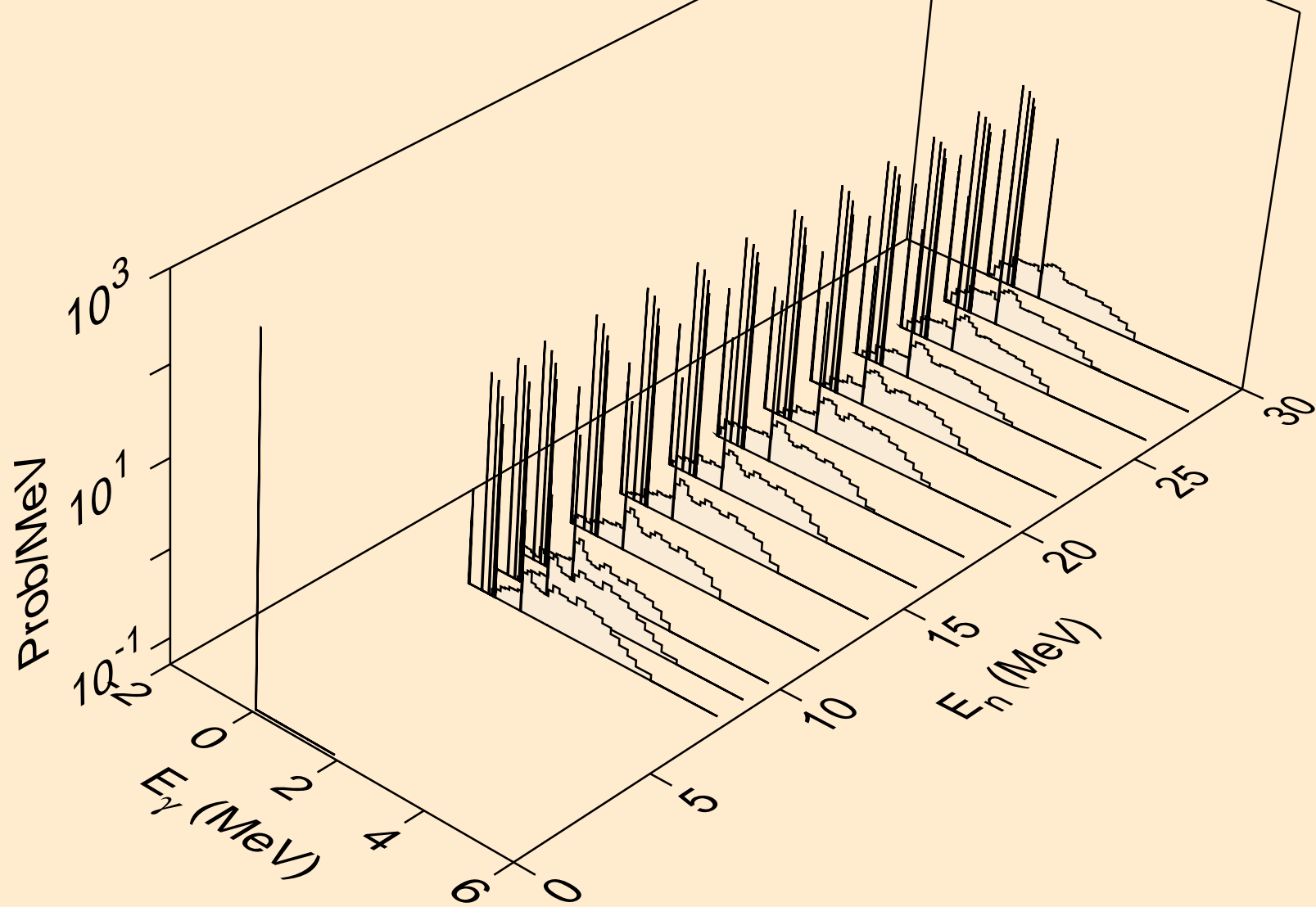
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Photon emission for (n,n2p)



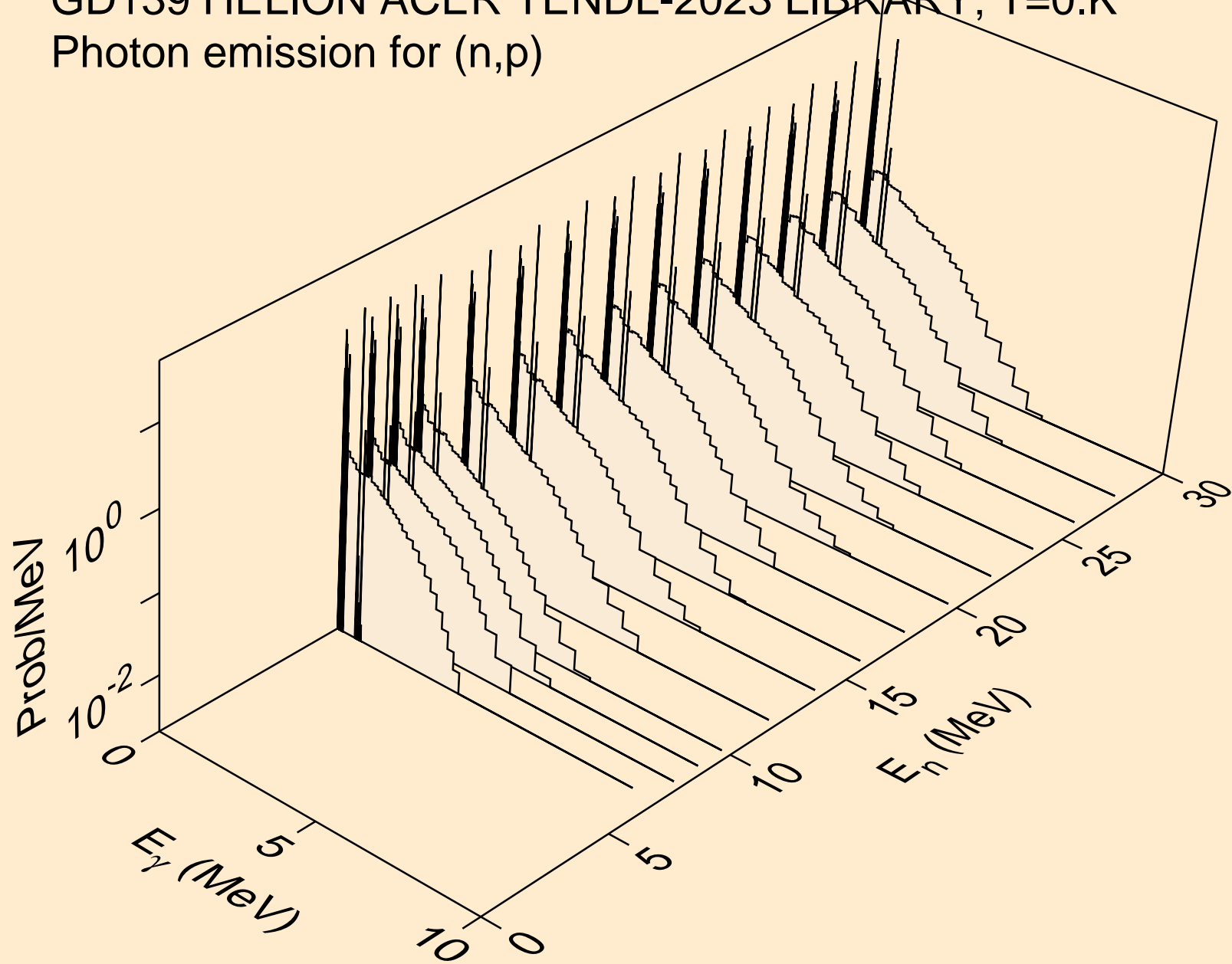
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Photon emission for (n,npa)



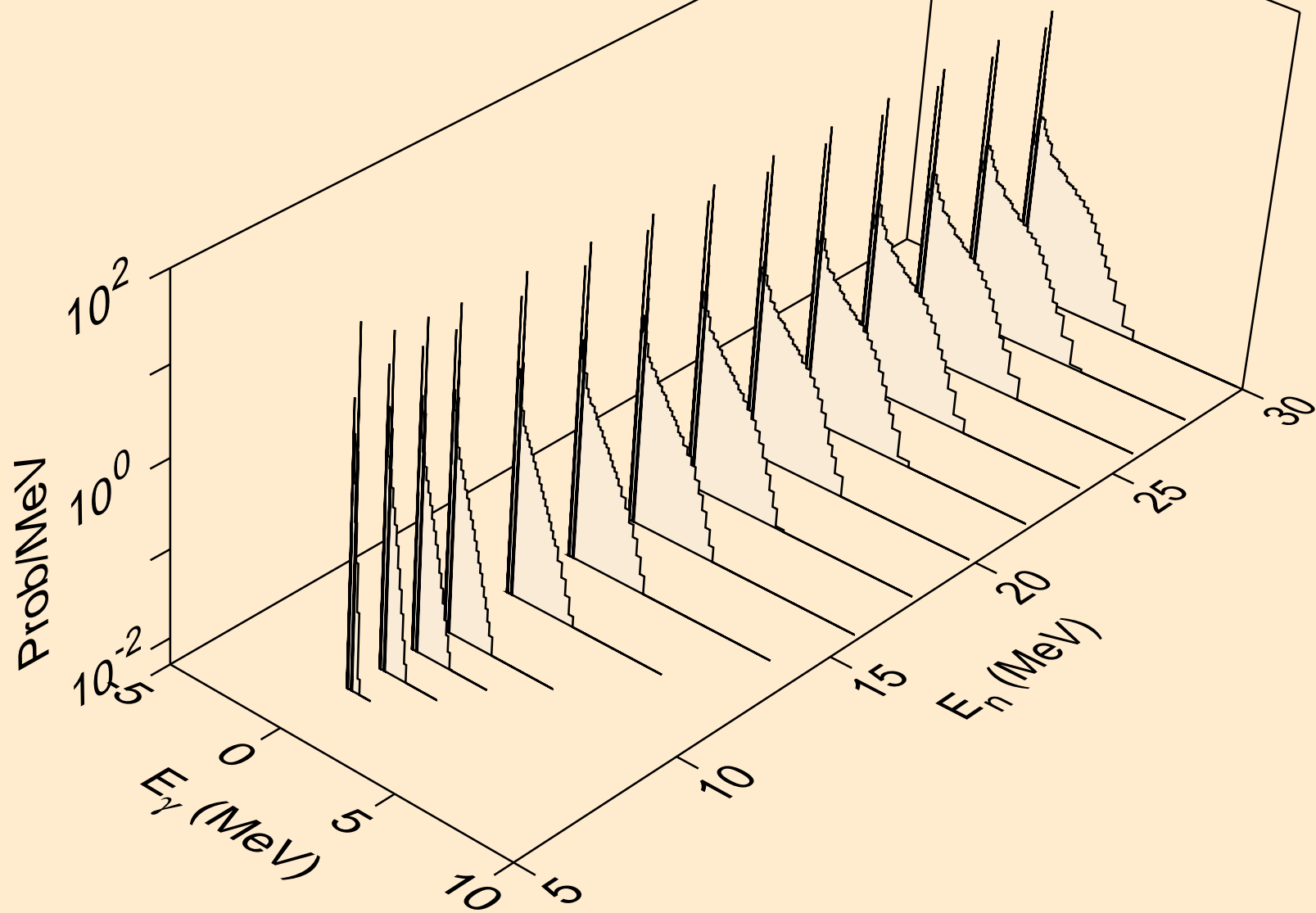
GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)

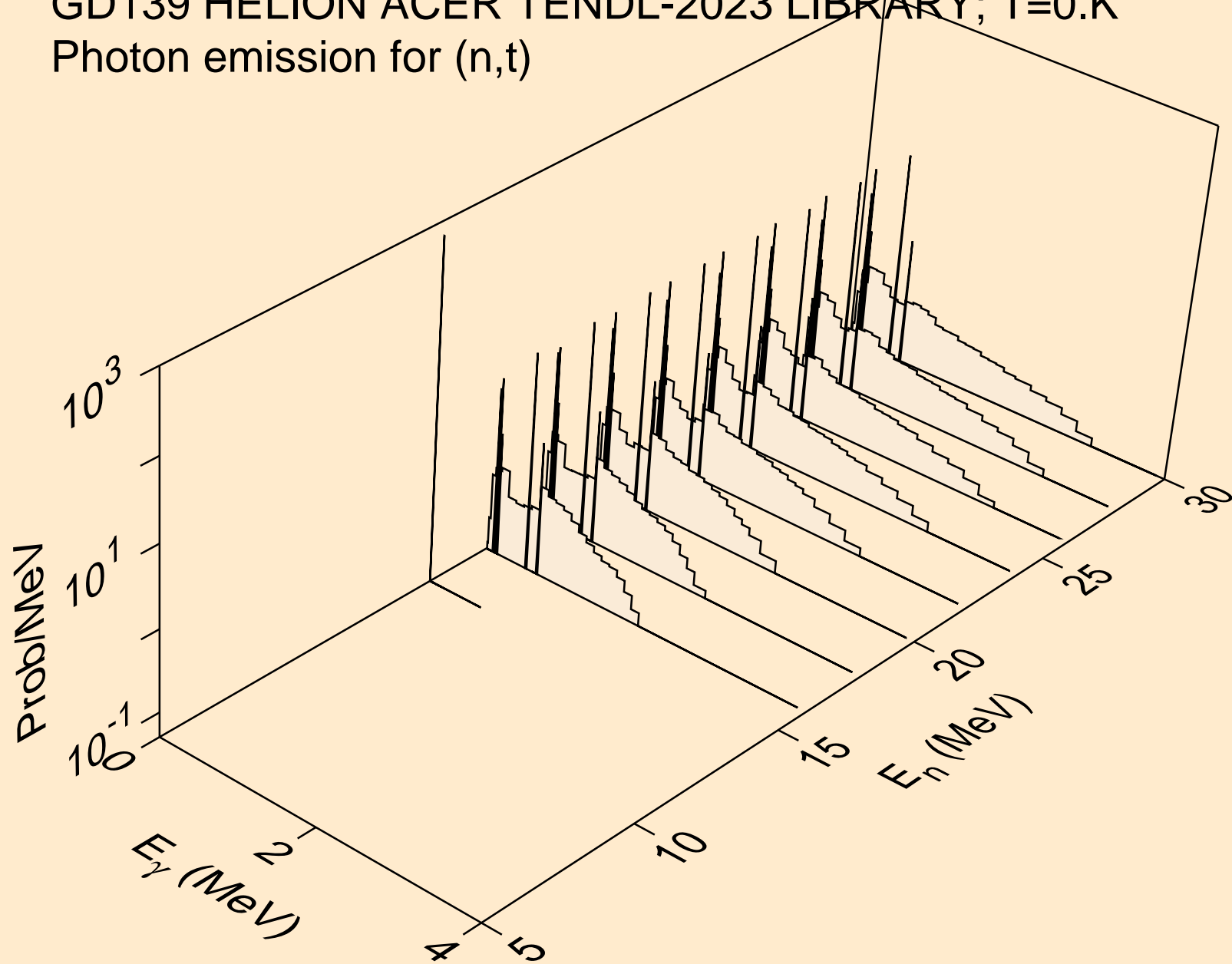


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Photon emission for (n,d)

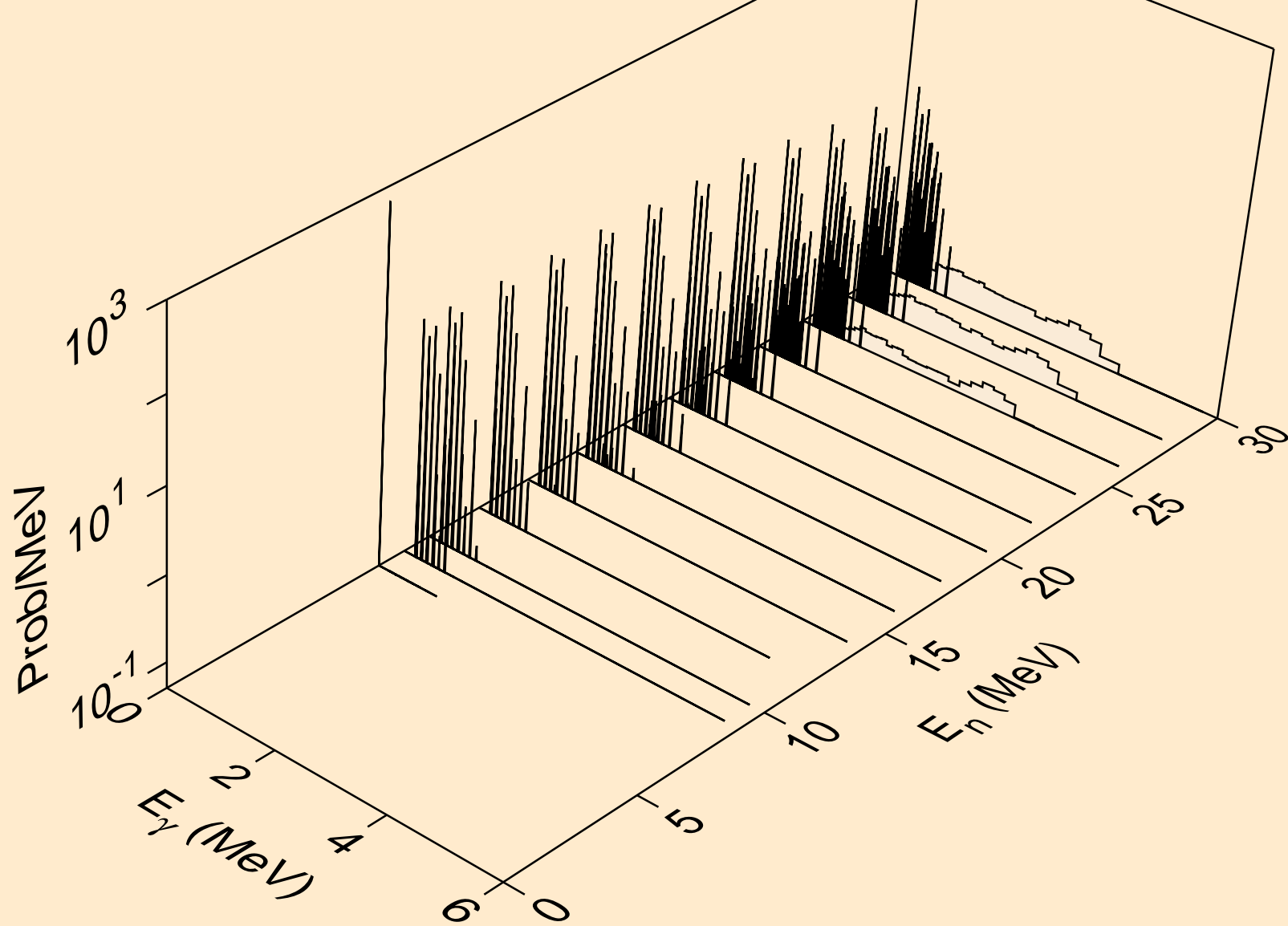




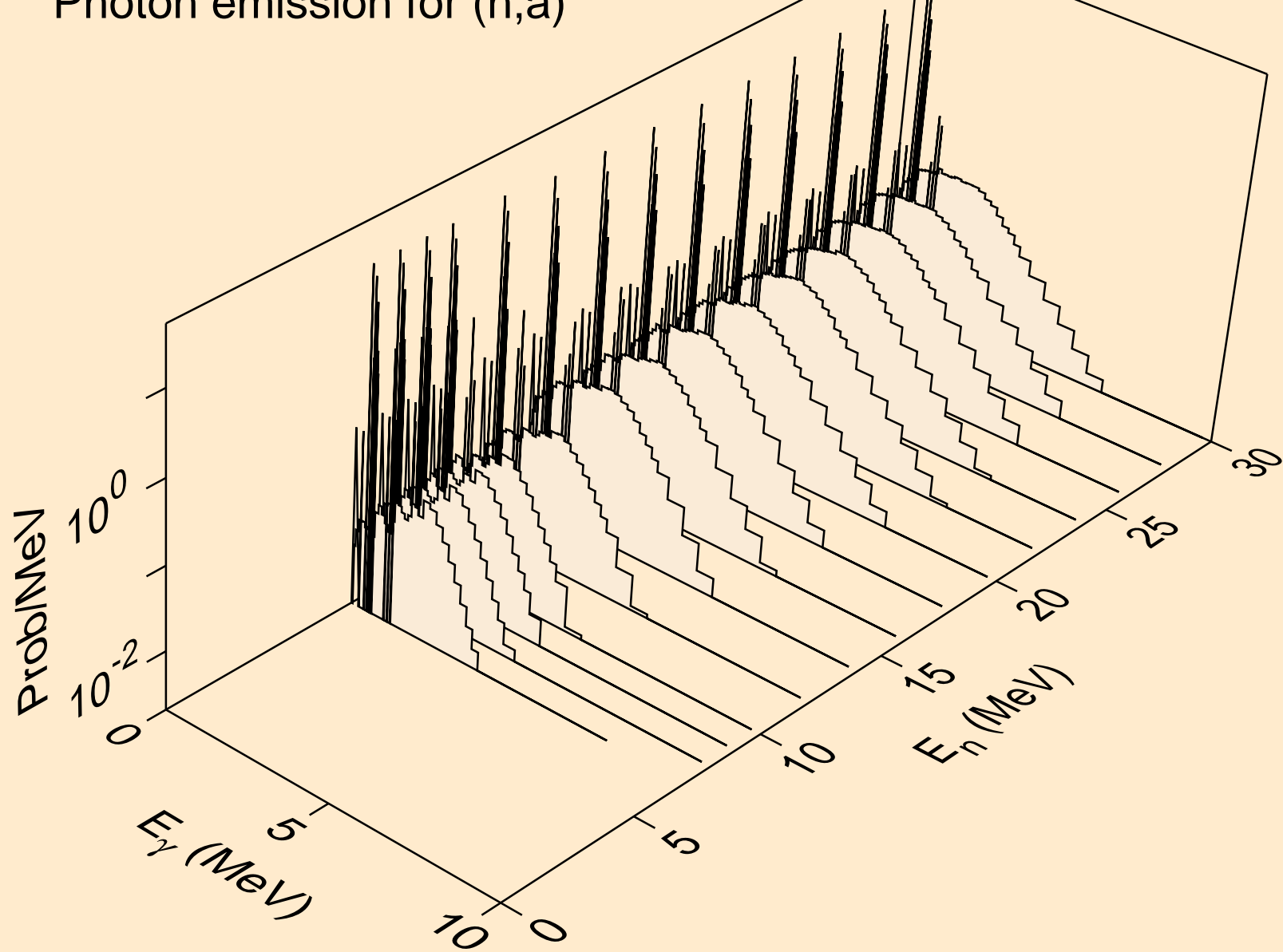
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Photon emission for (n,t)



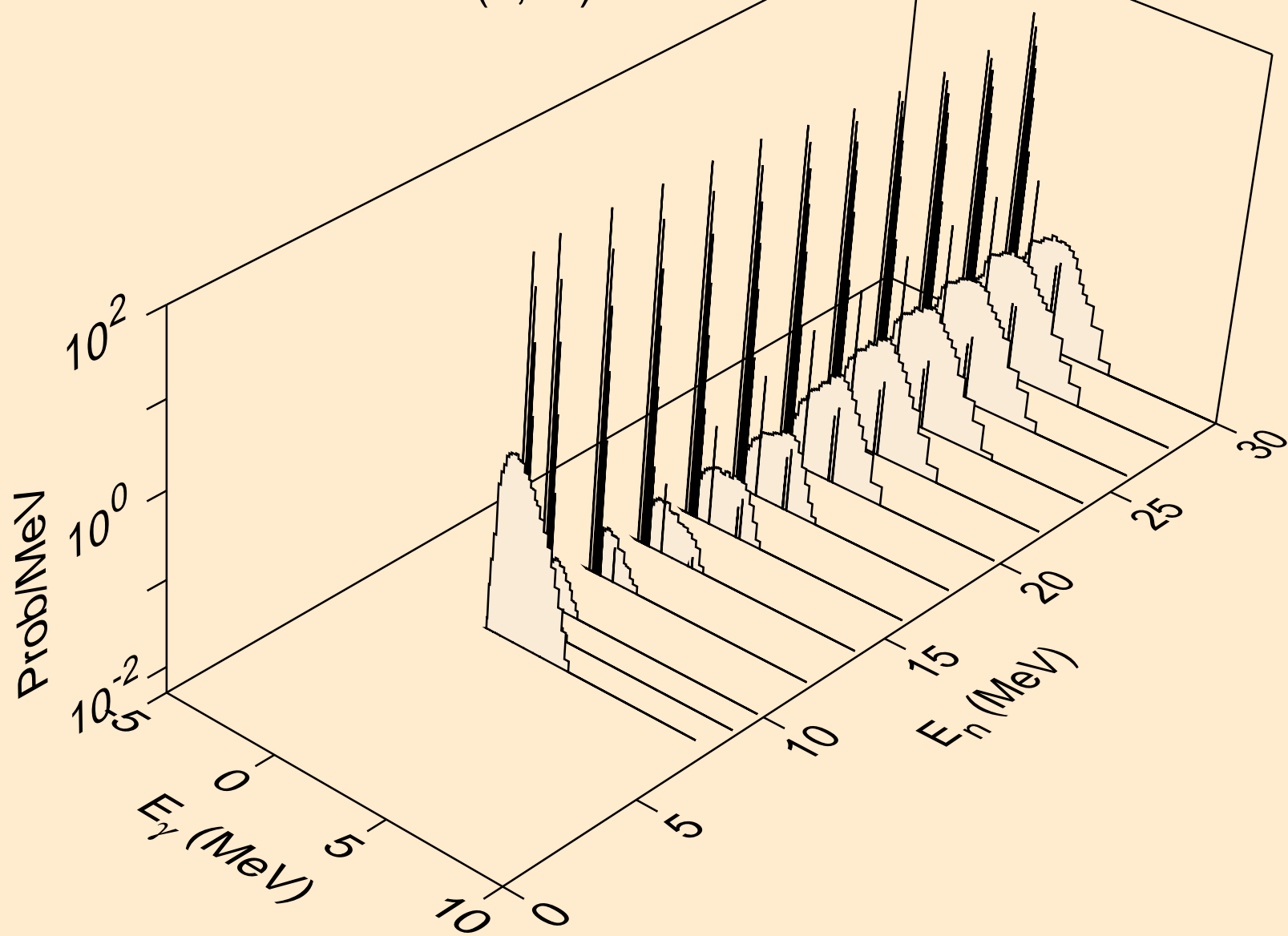
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Photon emission for inelastic



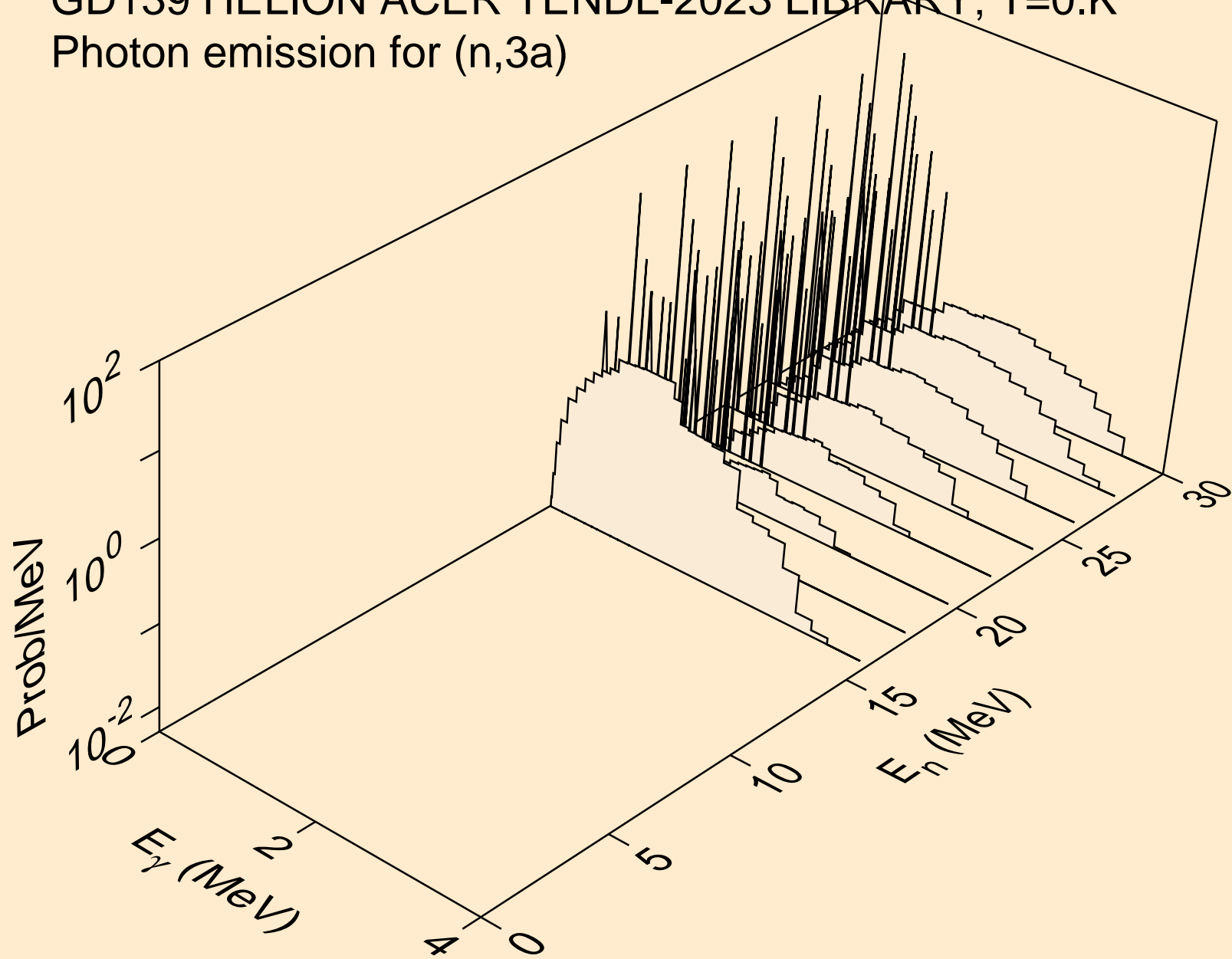
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Photon emission for (n,a)



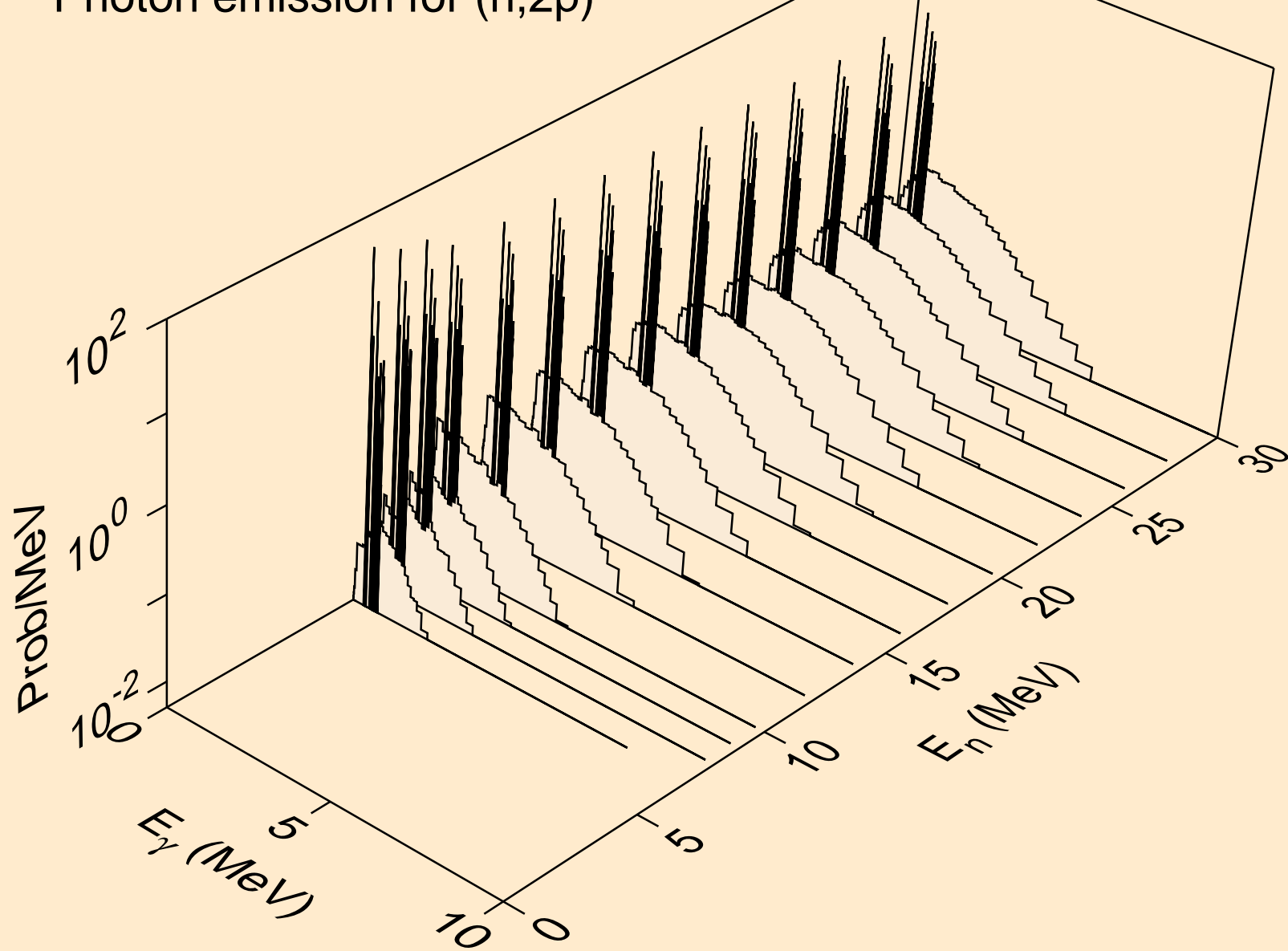
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Photon emission for (n,2a)



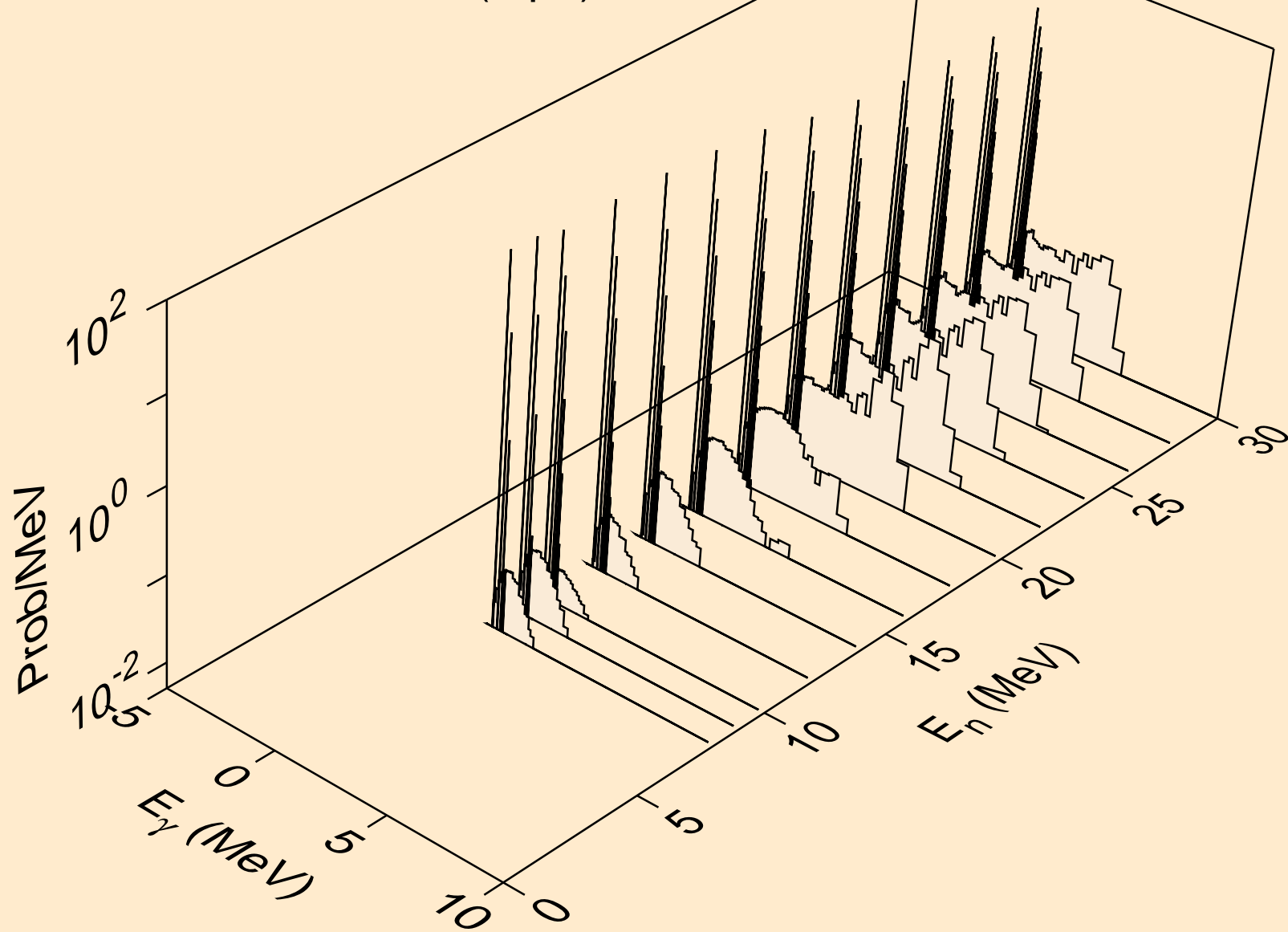
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Photon emission for (n,3a)



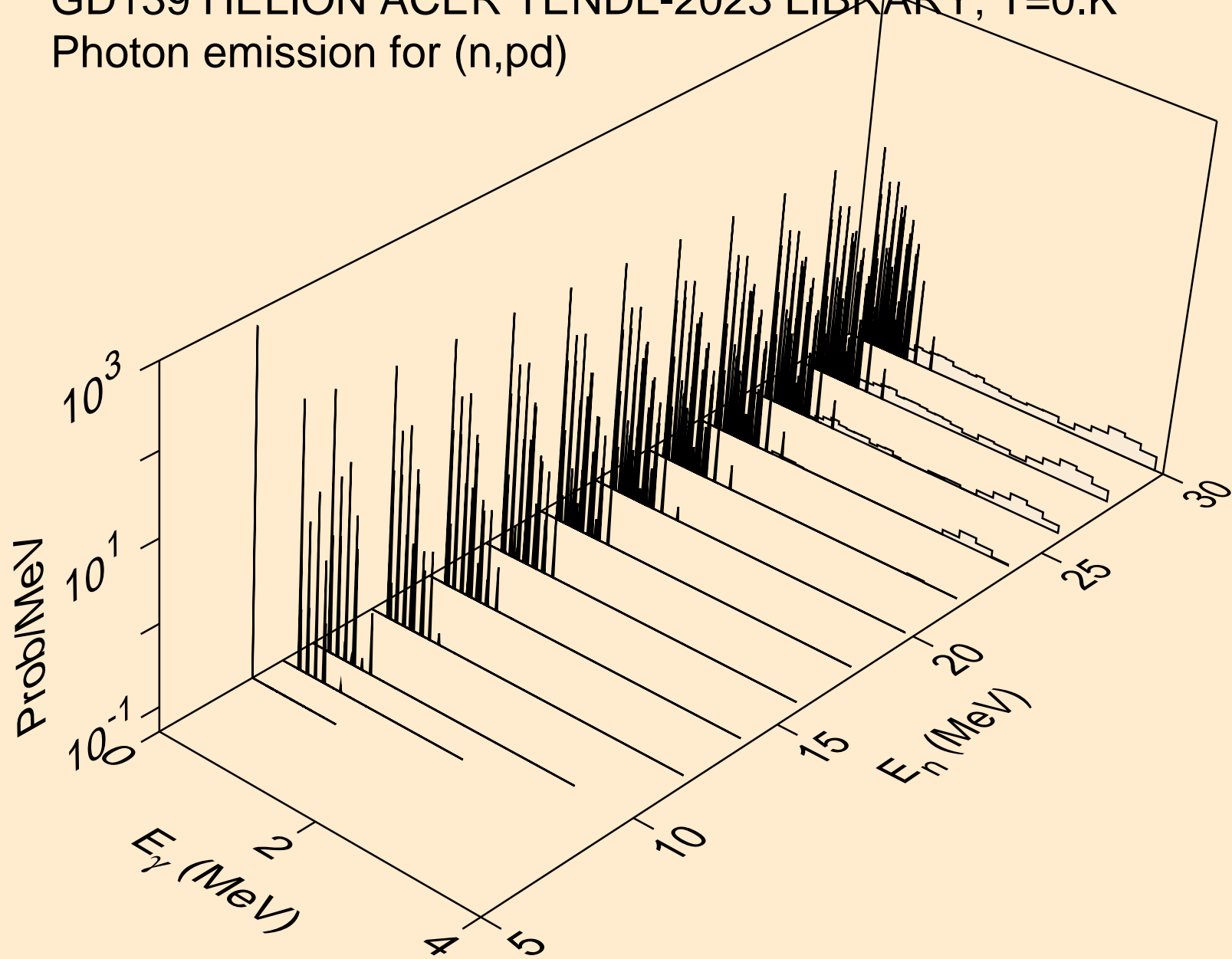
GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)

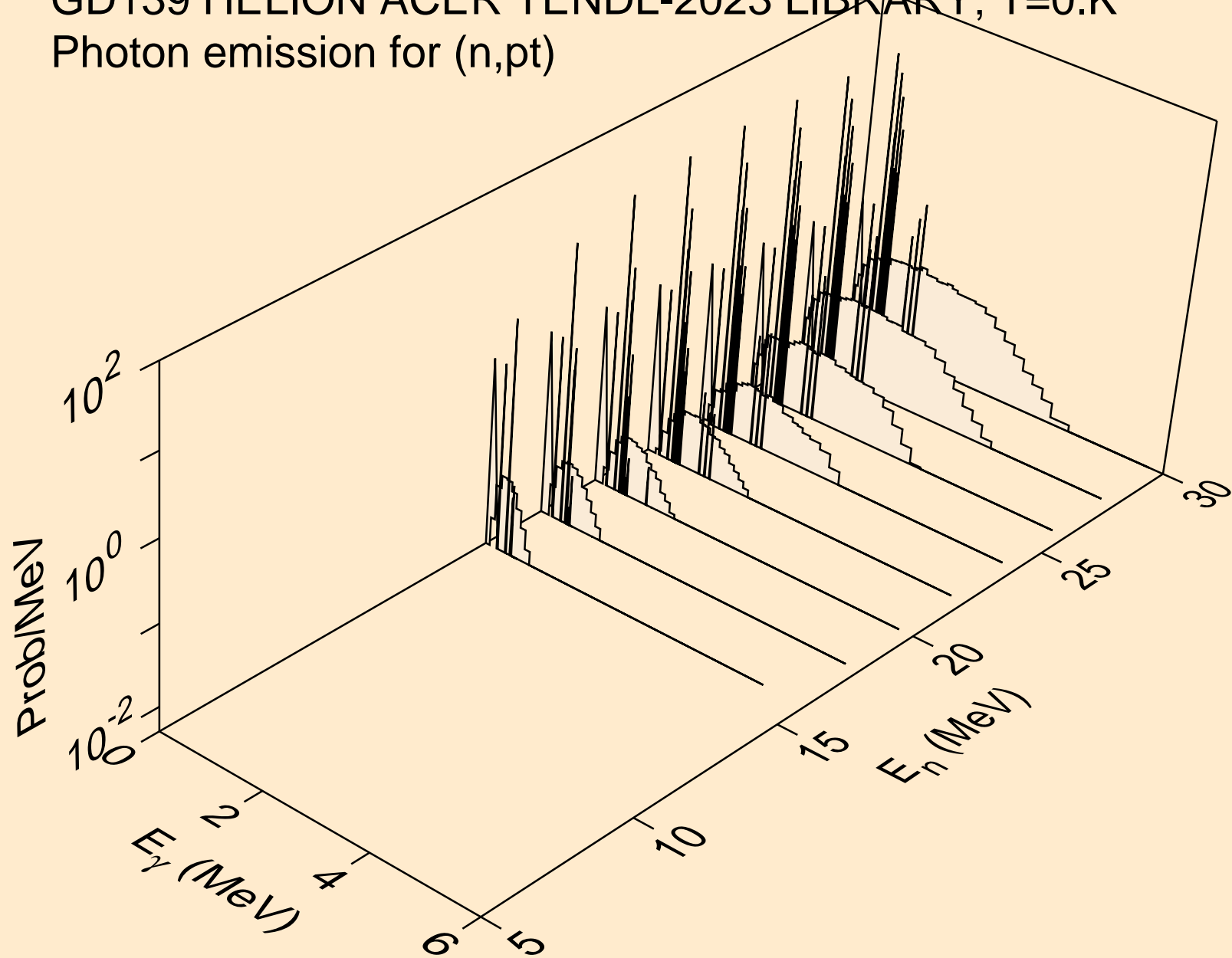


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Photon emission for (n,pd)

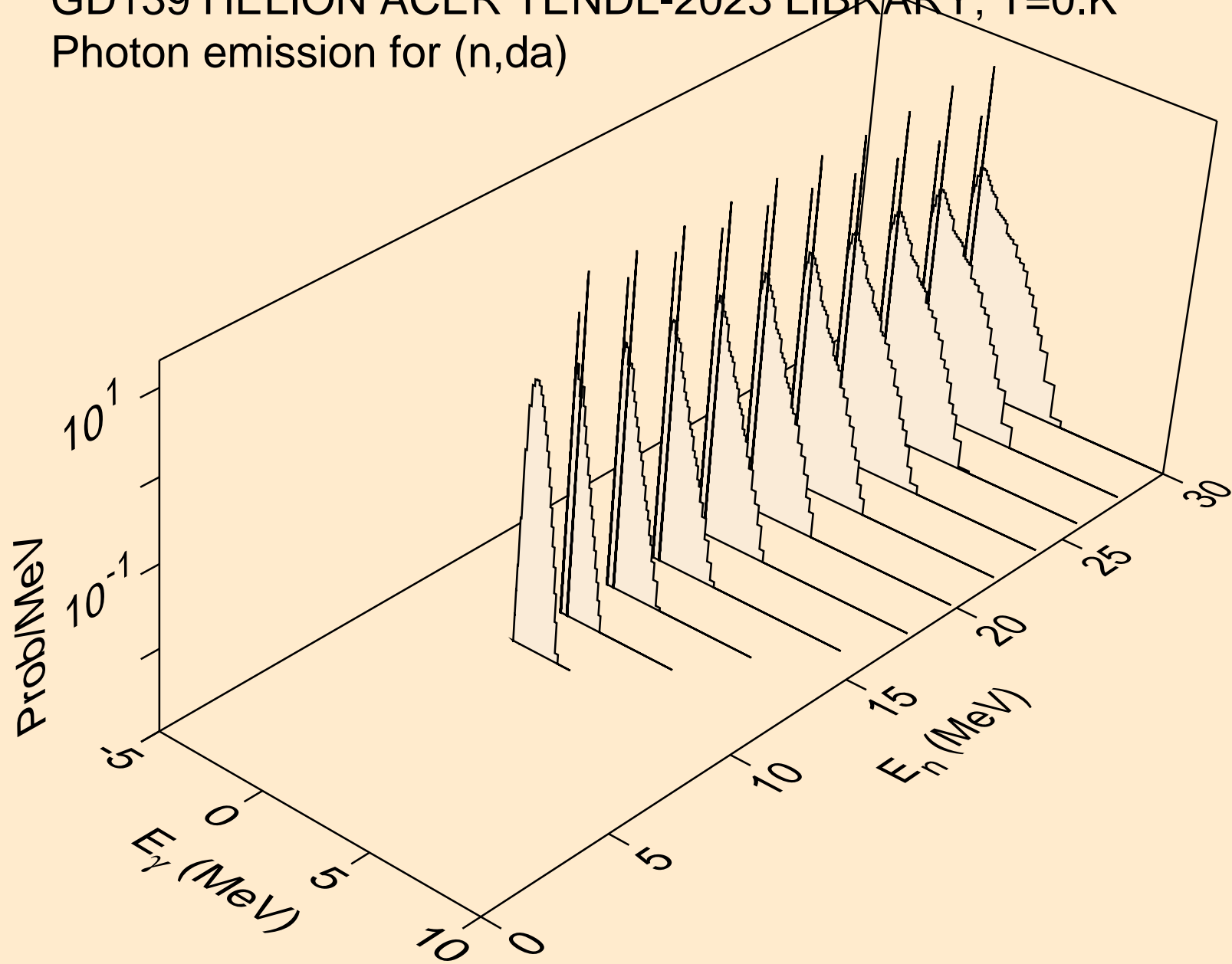




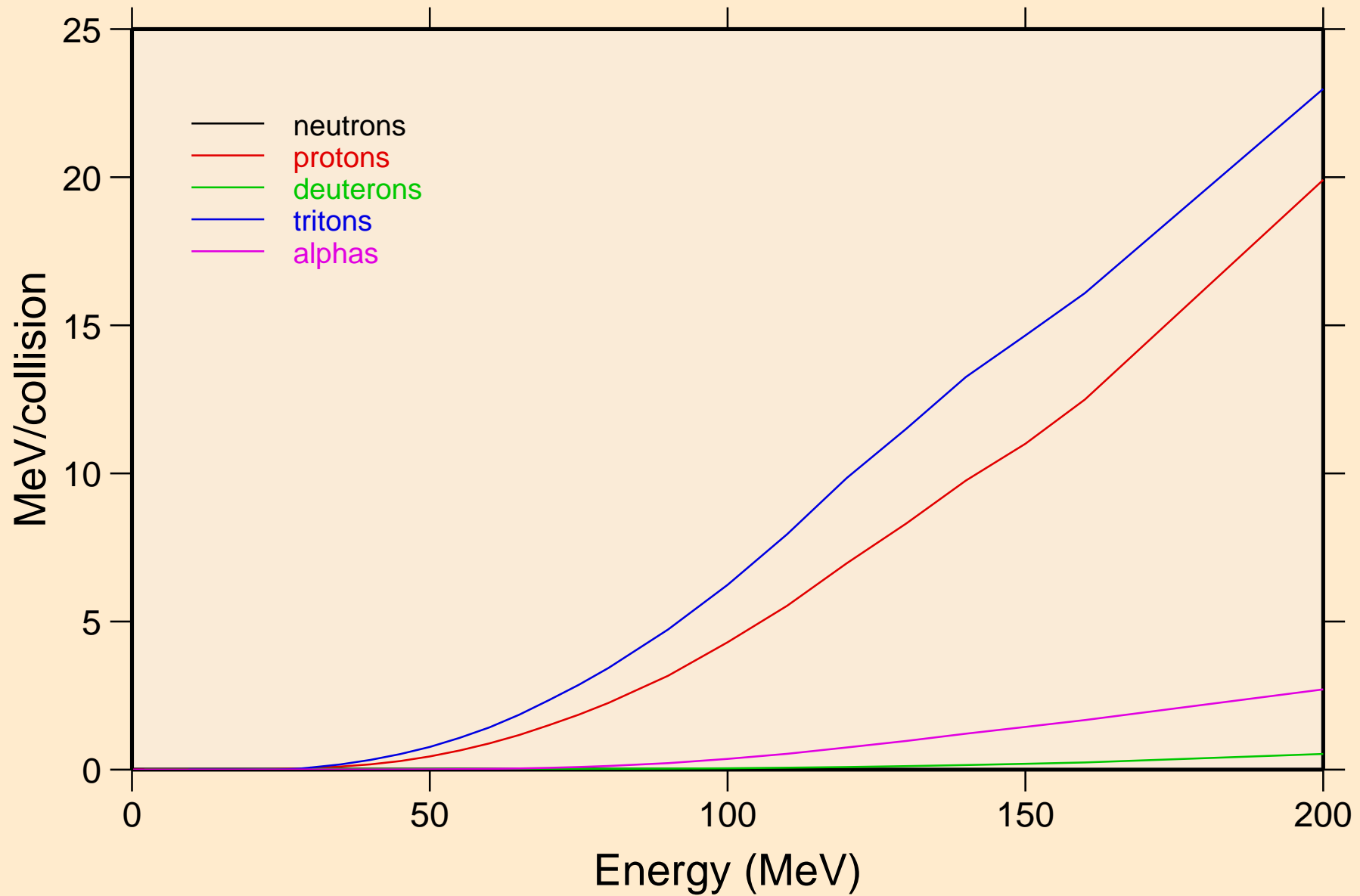
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Photon emission for (n,pt)



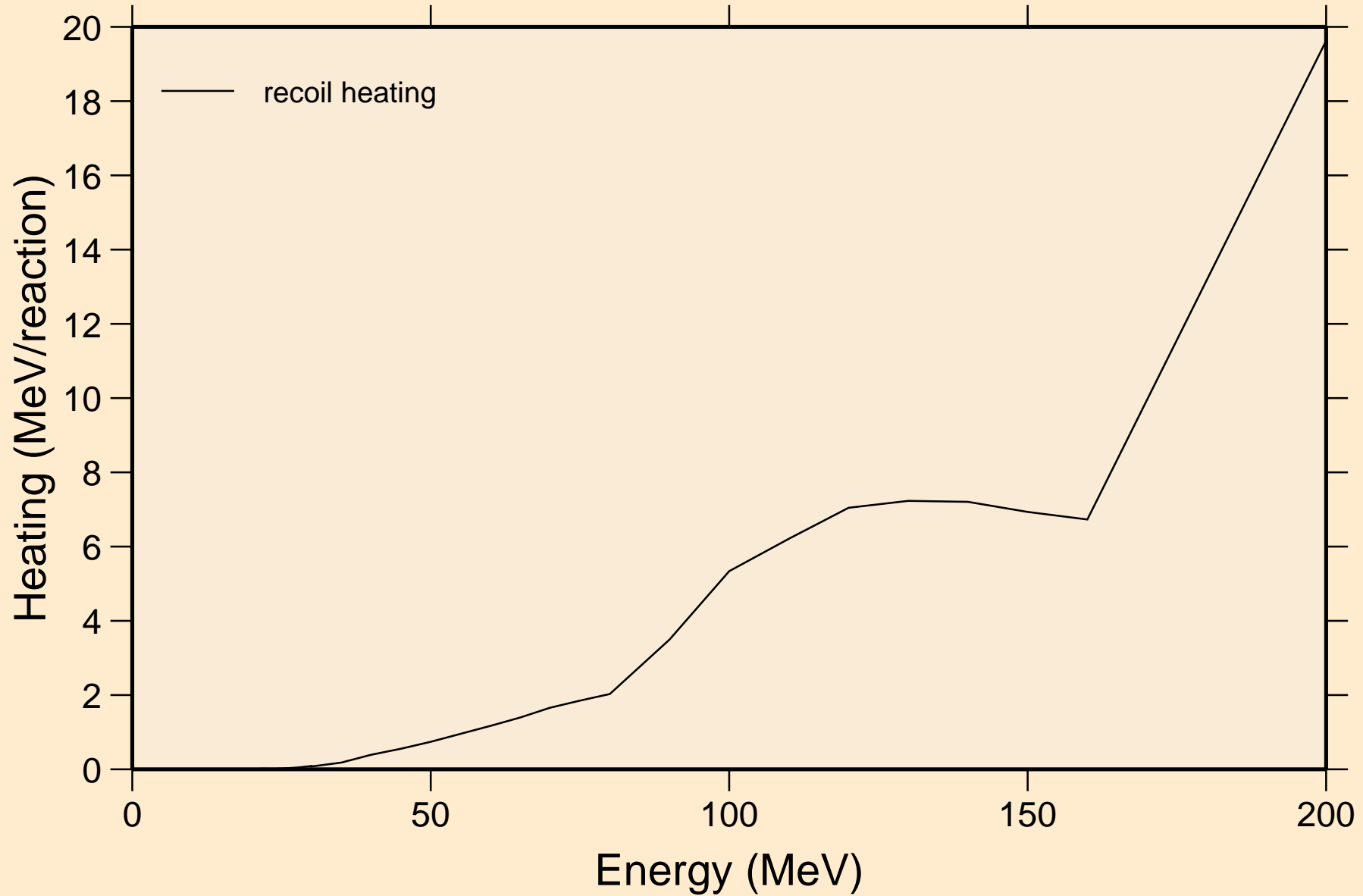
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Photon emission for (n,da)



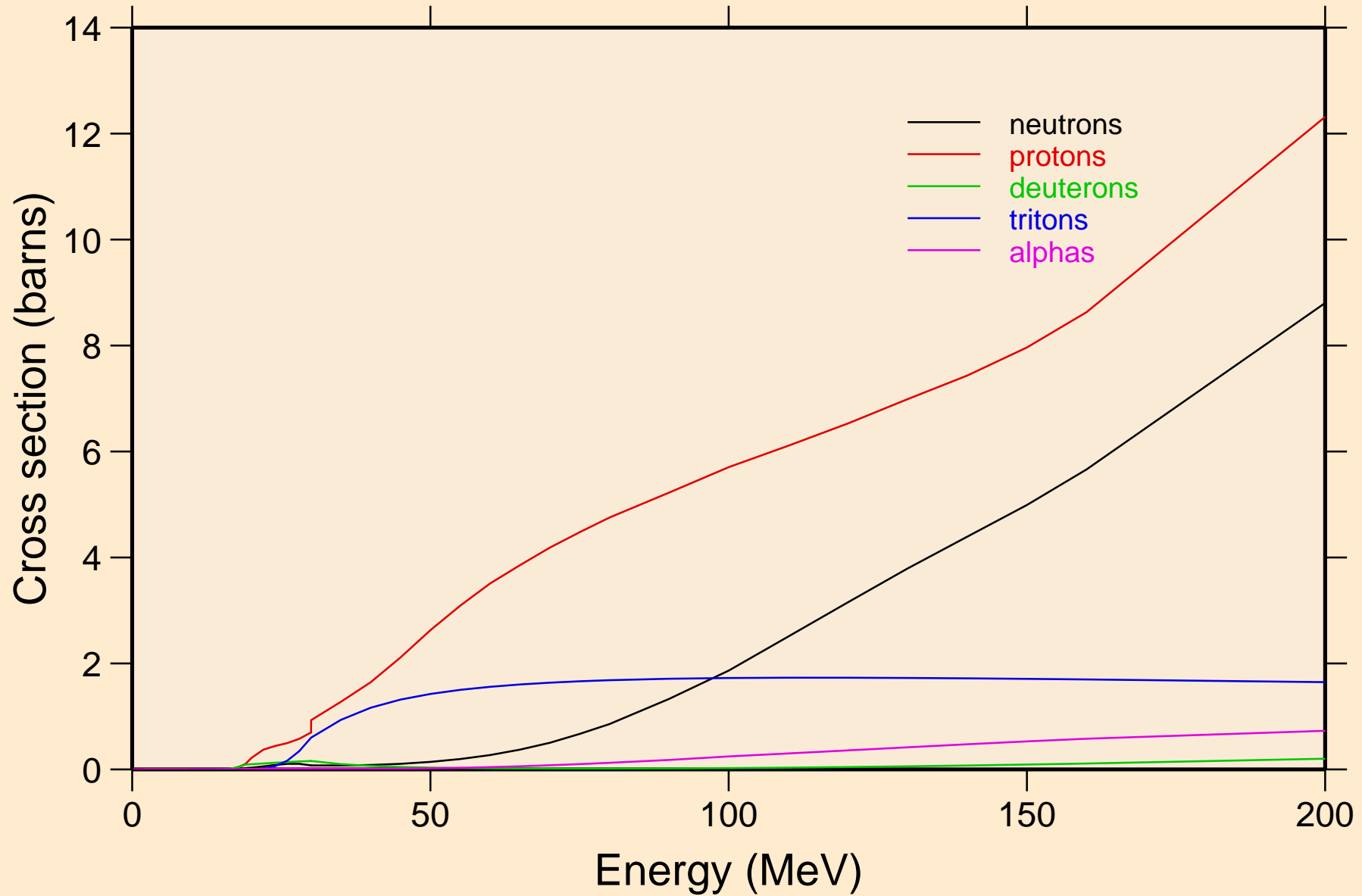
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Particle heating contributions



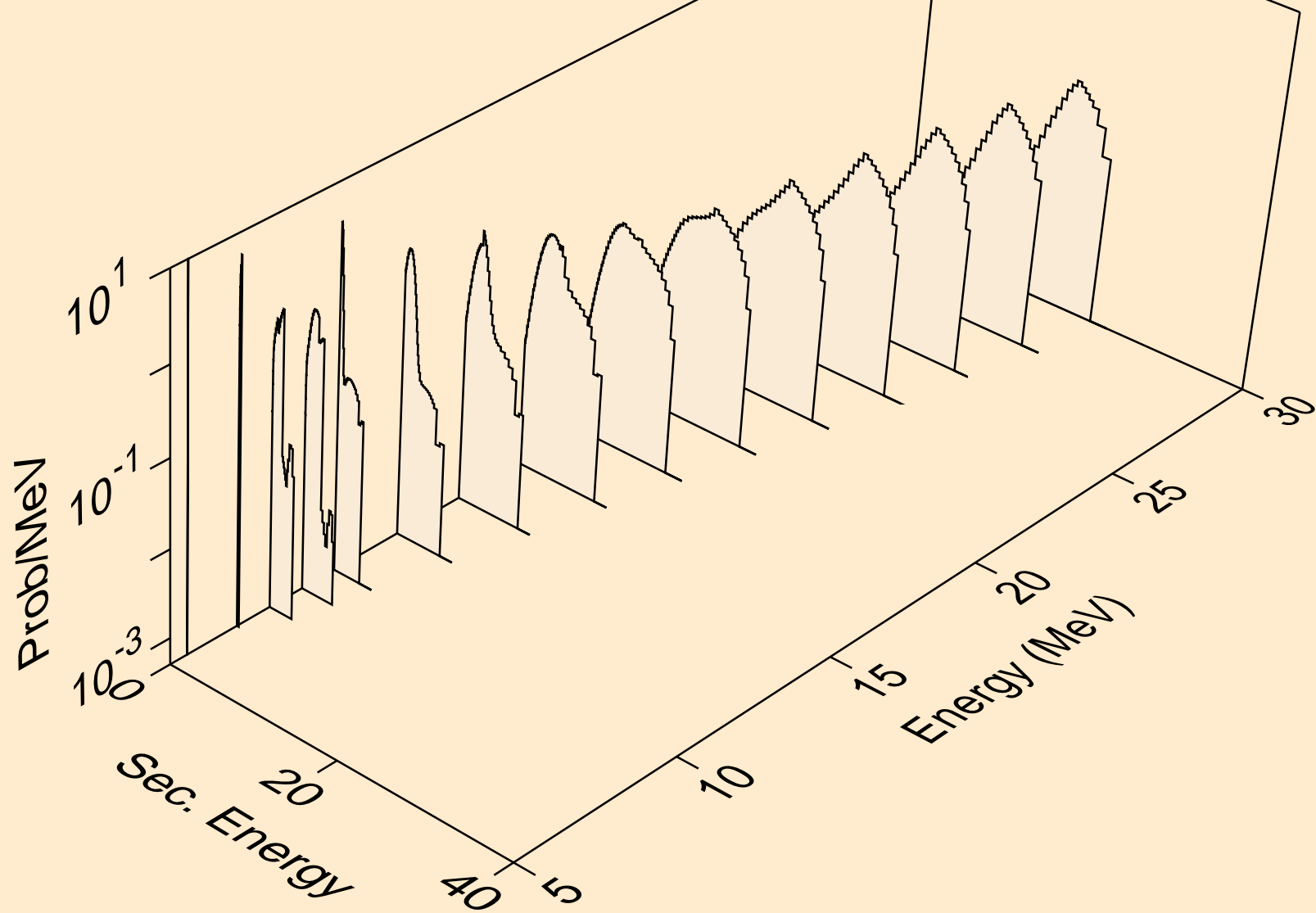
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Recoil Heating



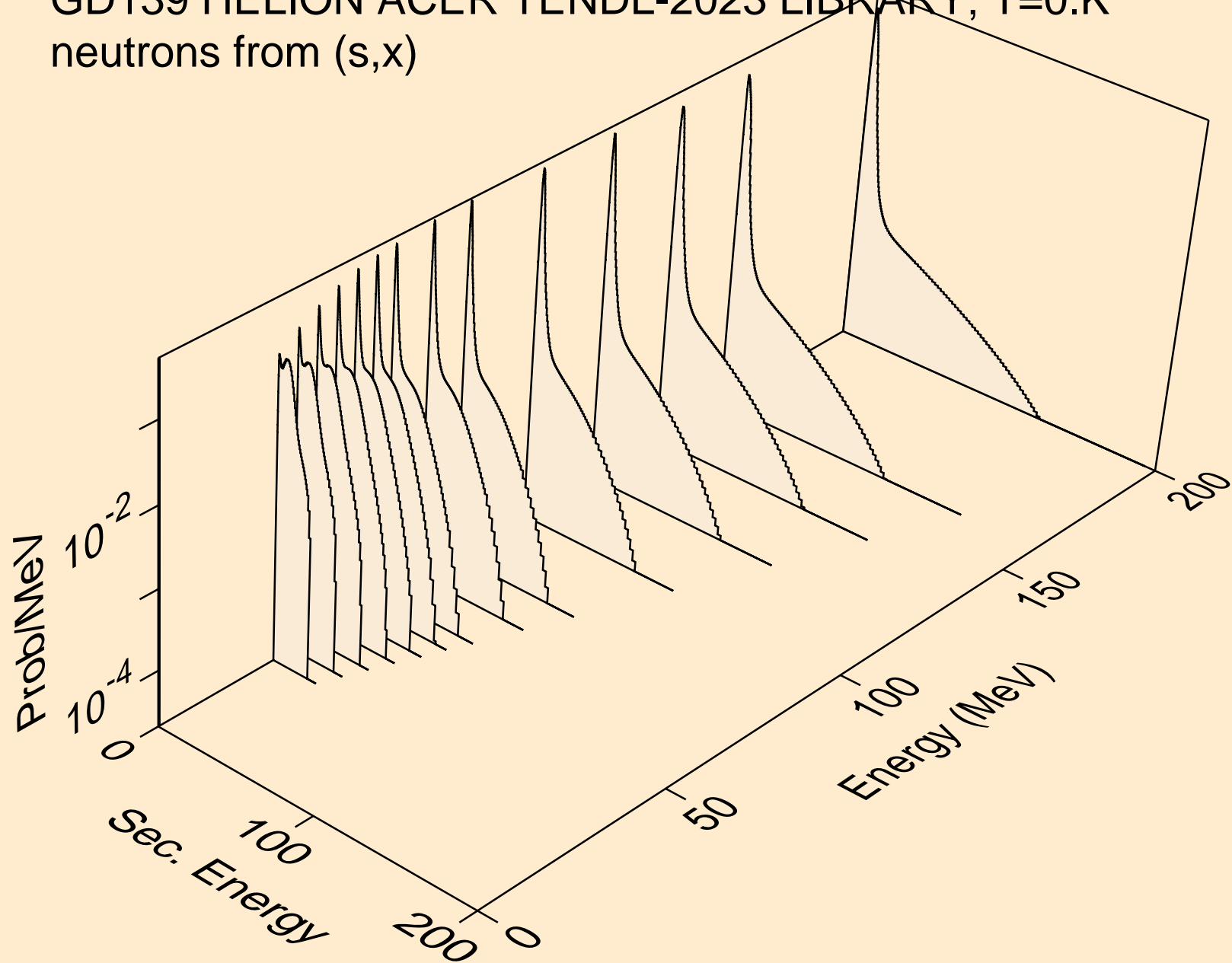
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Particle production cross sections



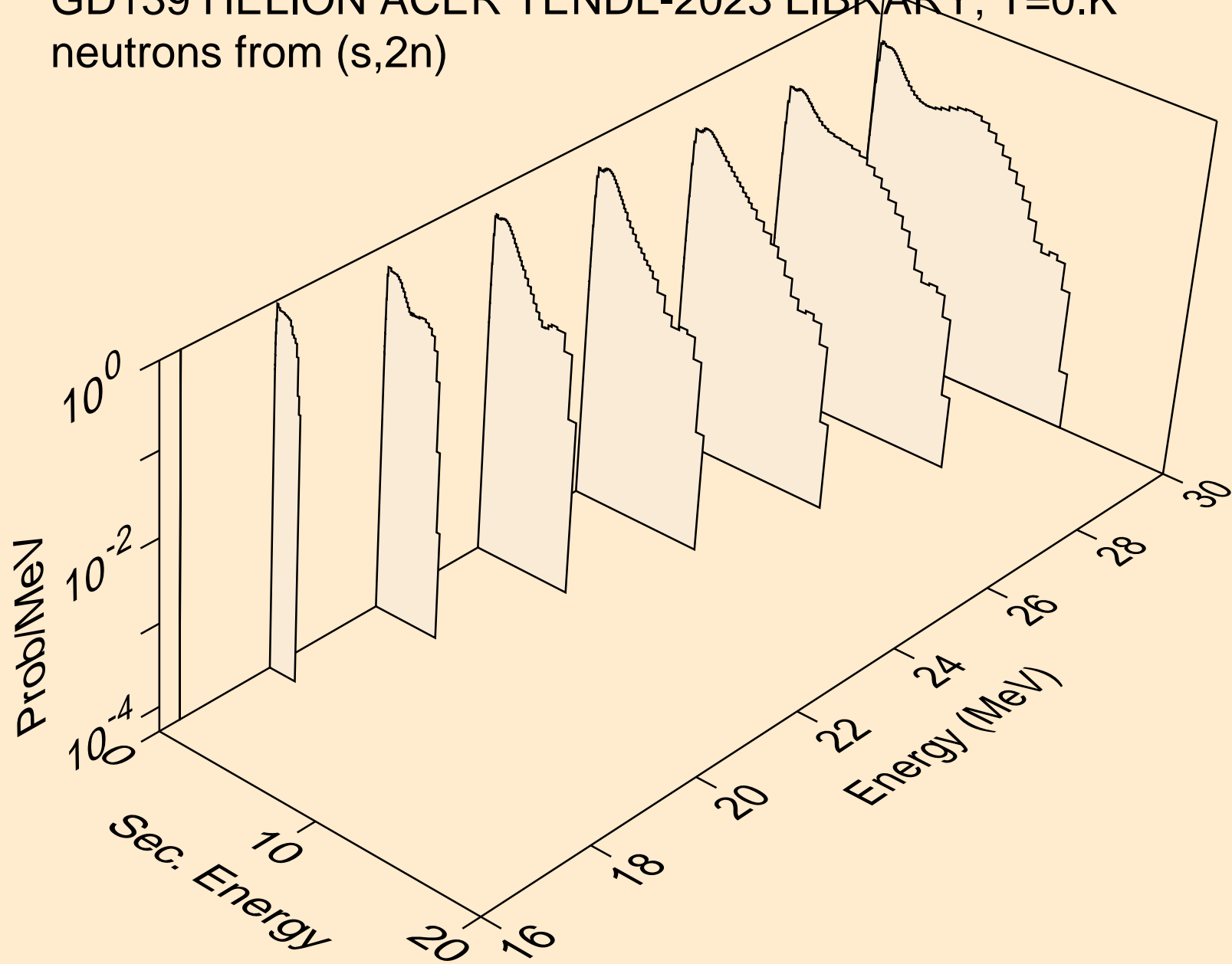
GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,x)

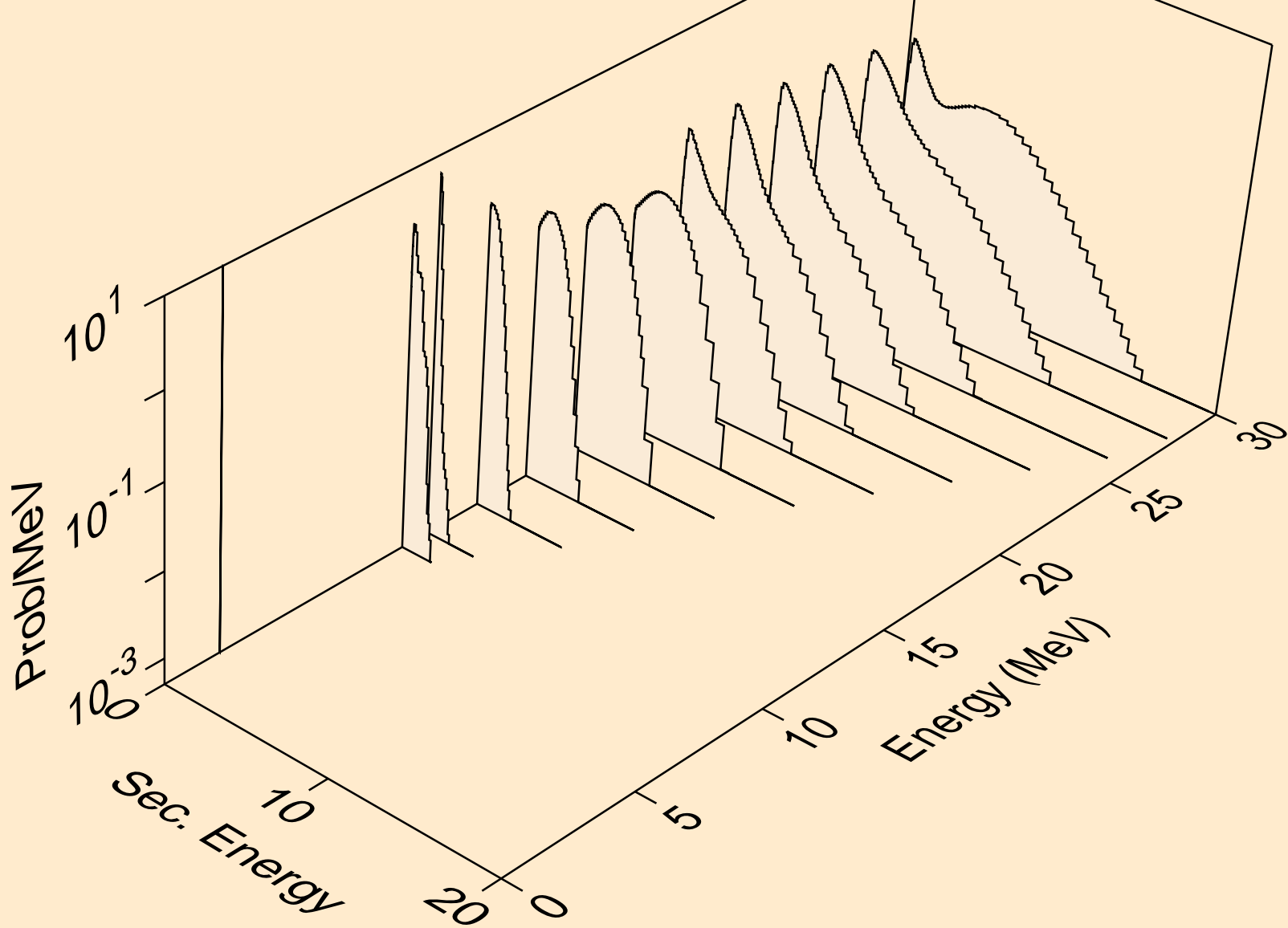


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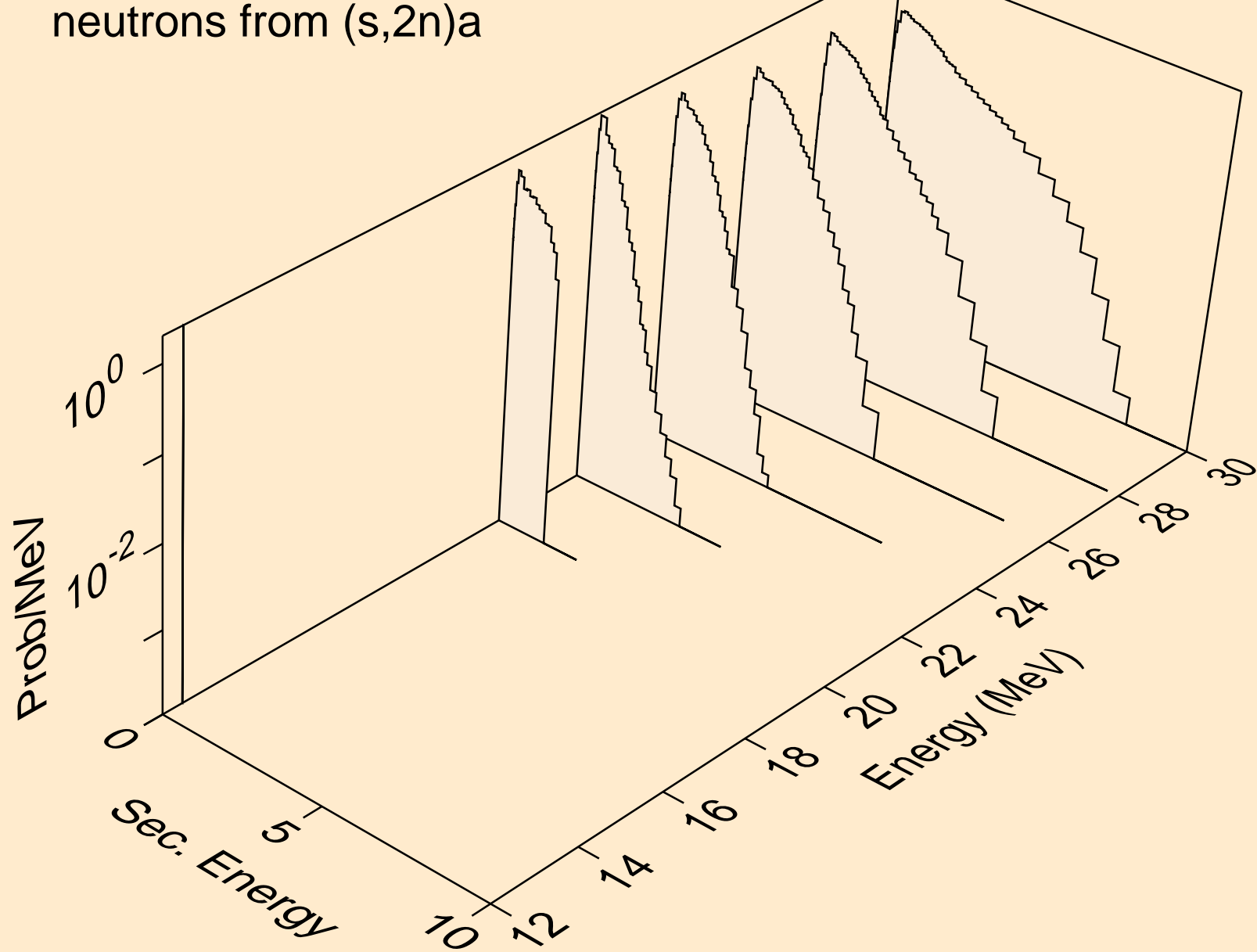




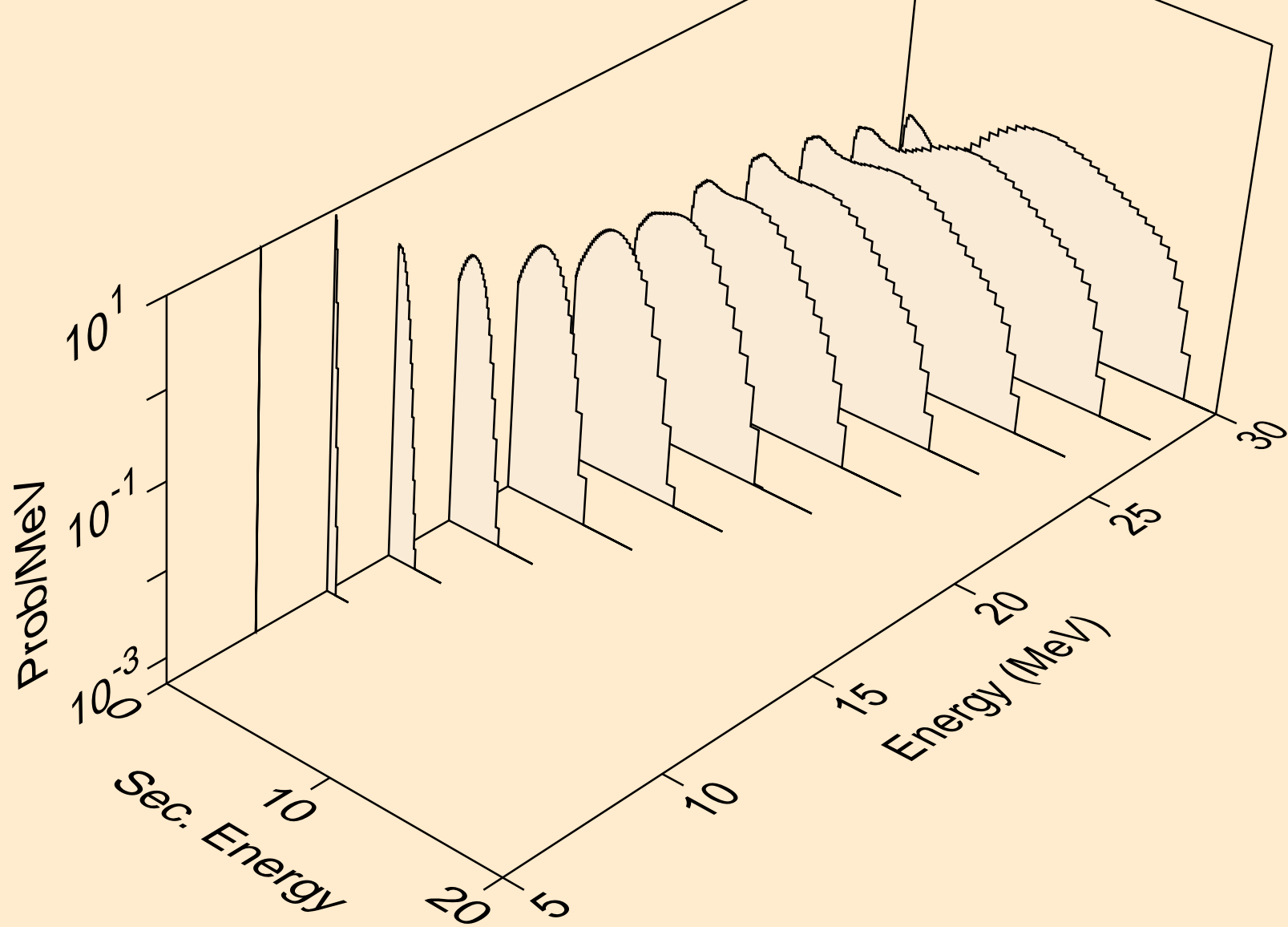
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neutrons from (s,n\*)a



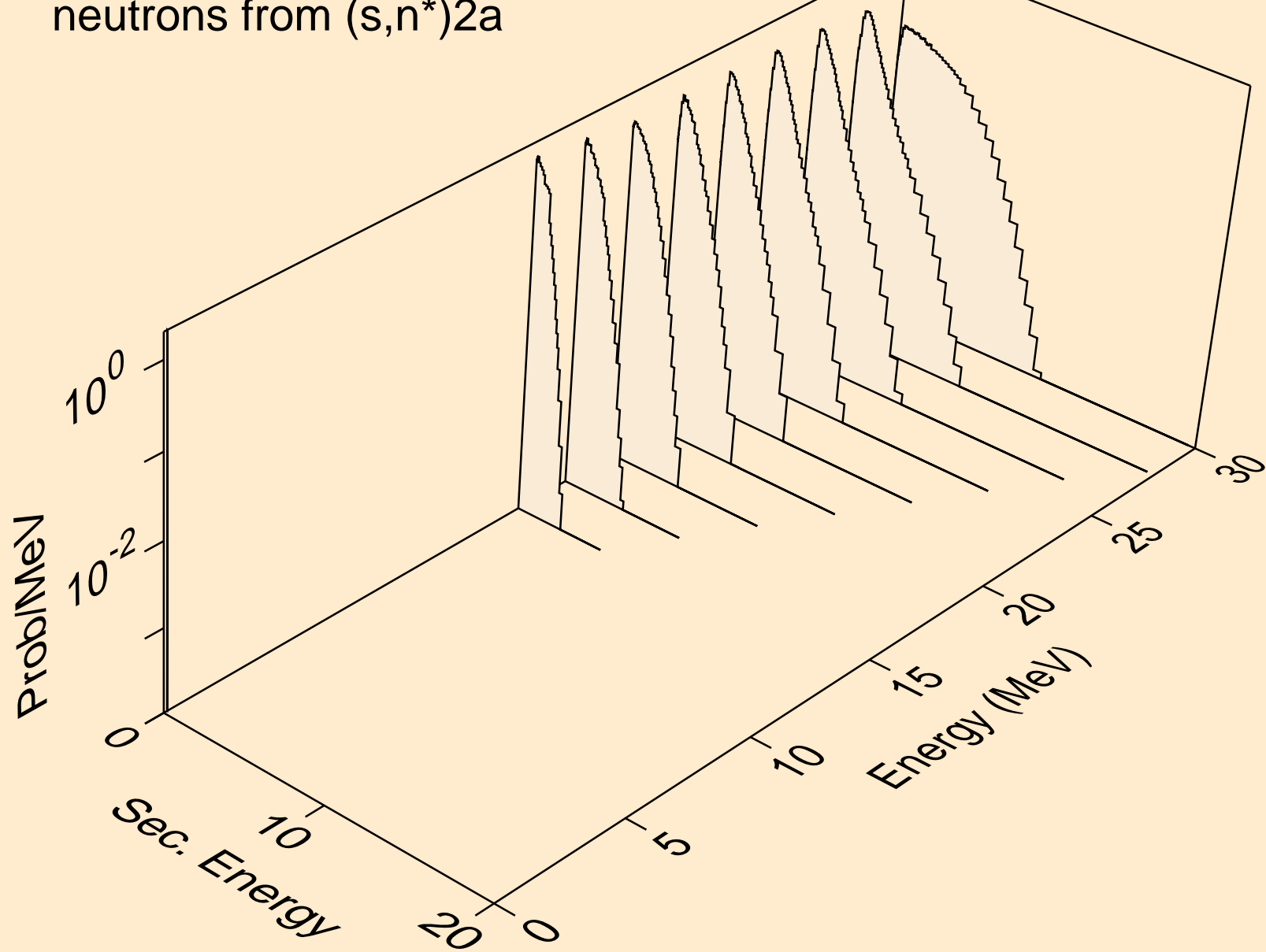
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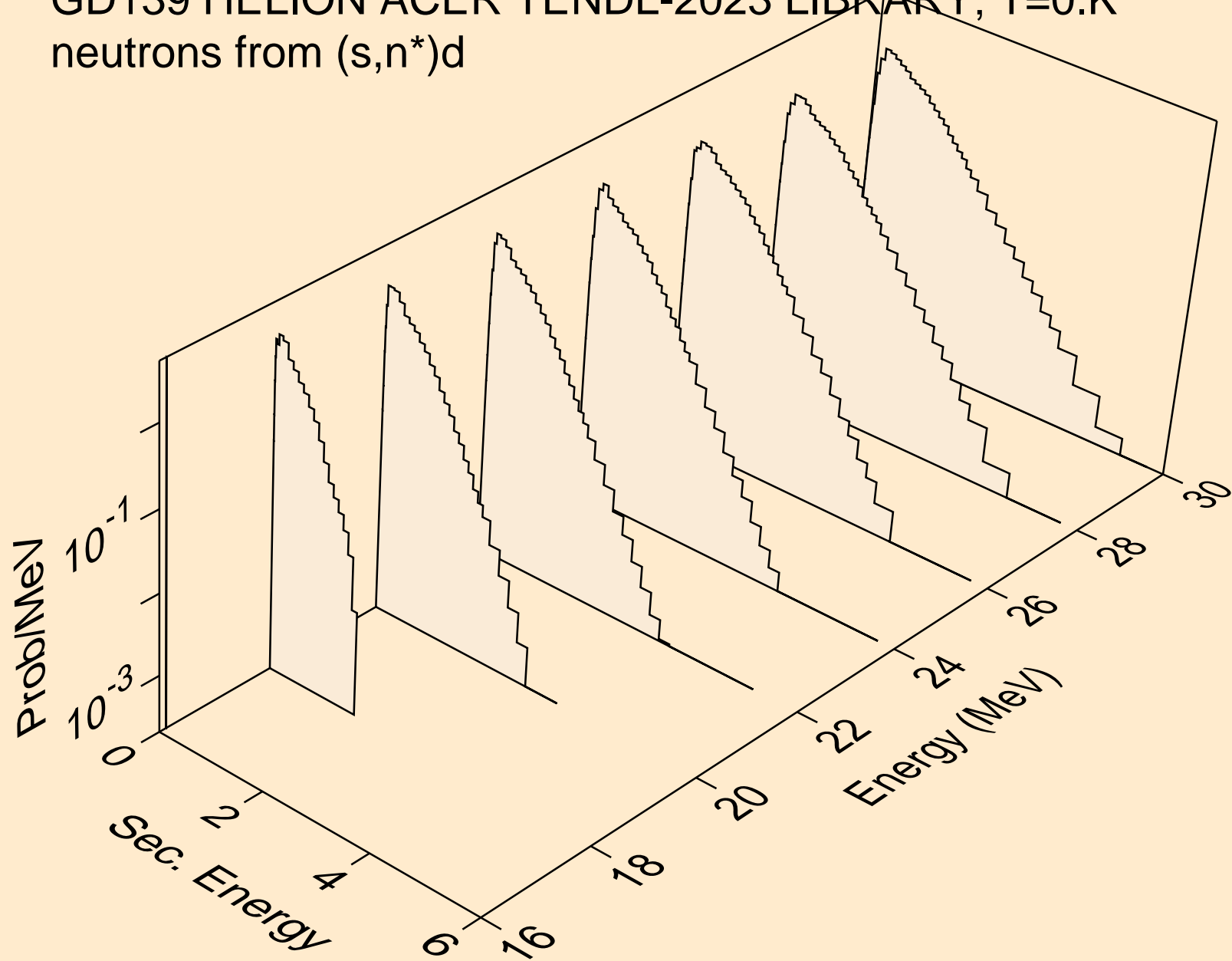
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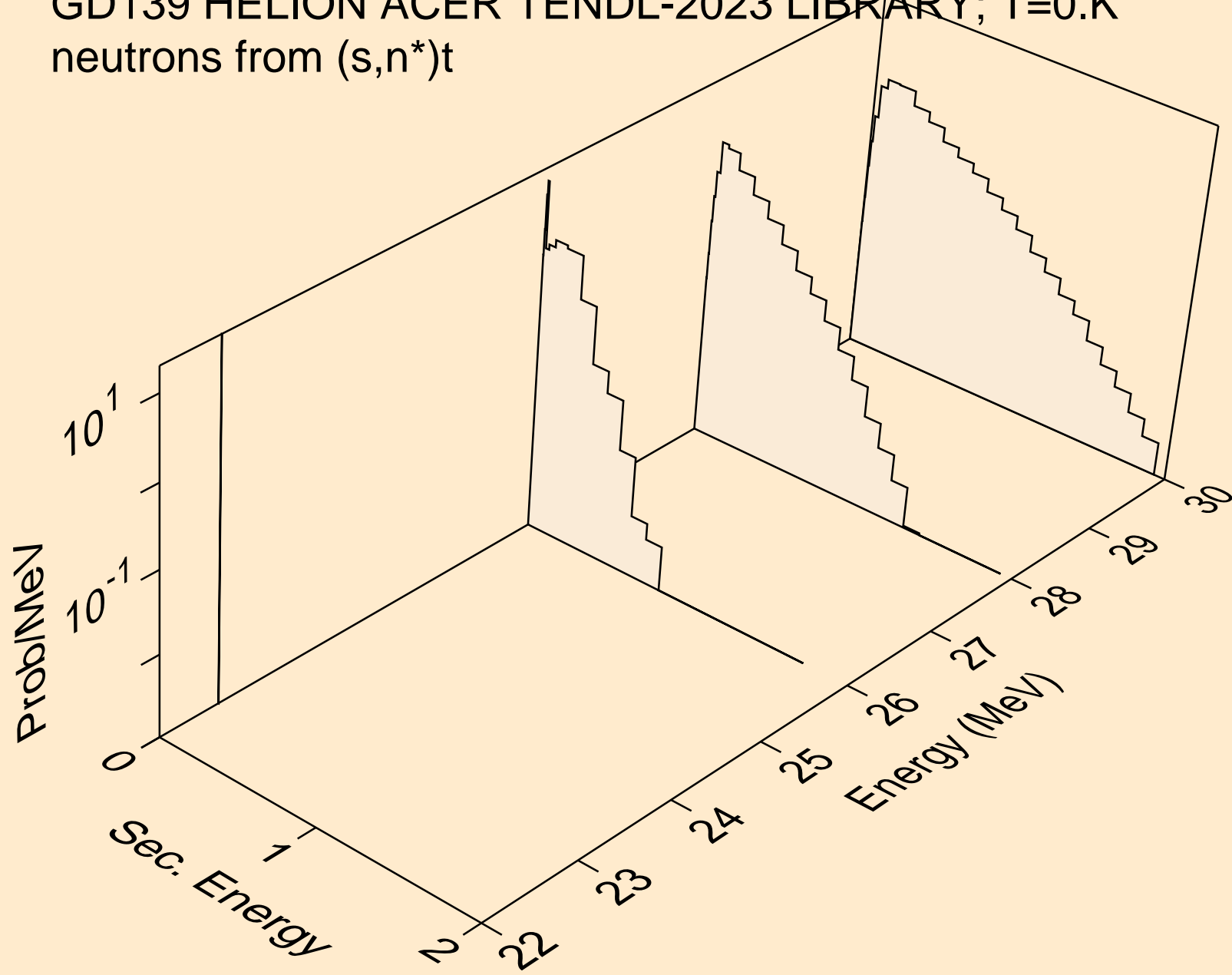
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neutrons from (s,n\*)2a



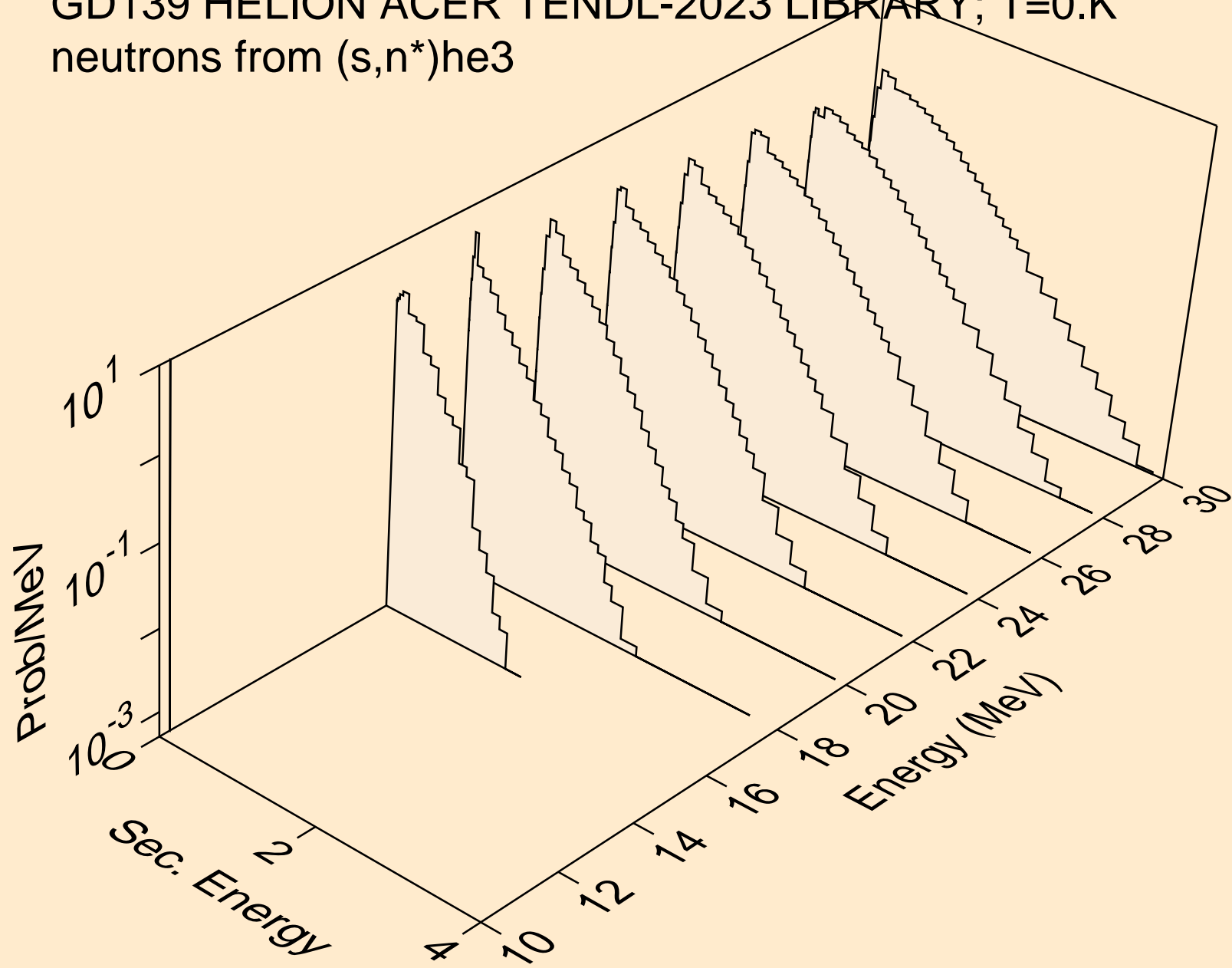
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neutrons from (s,n\*)d



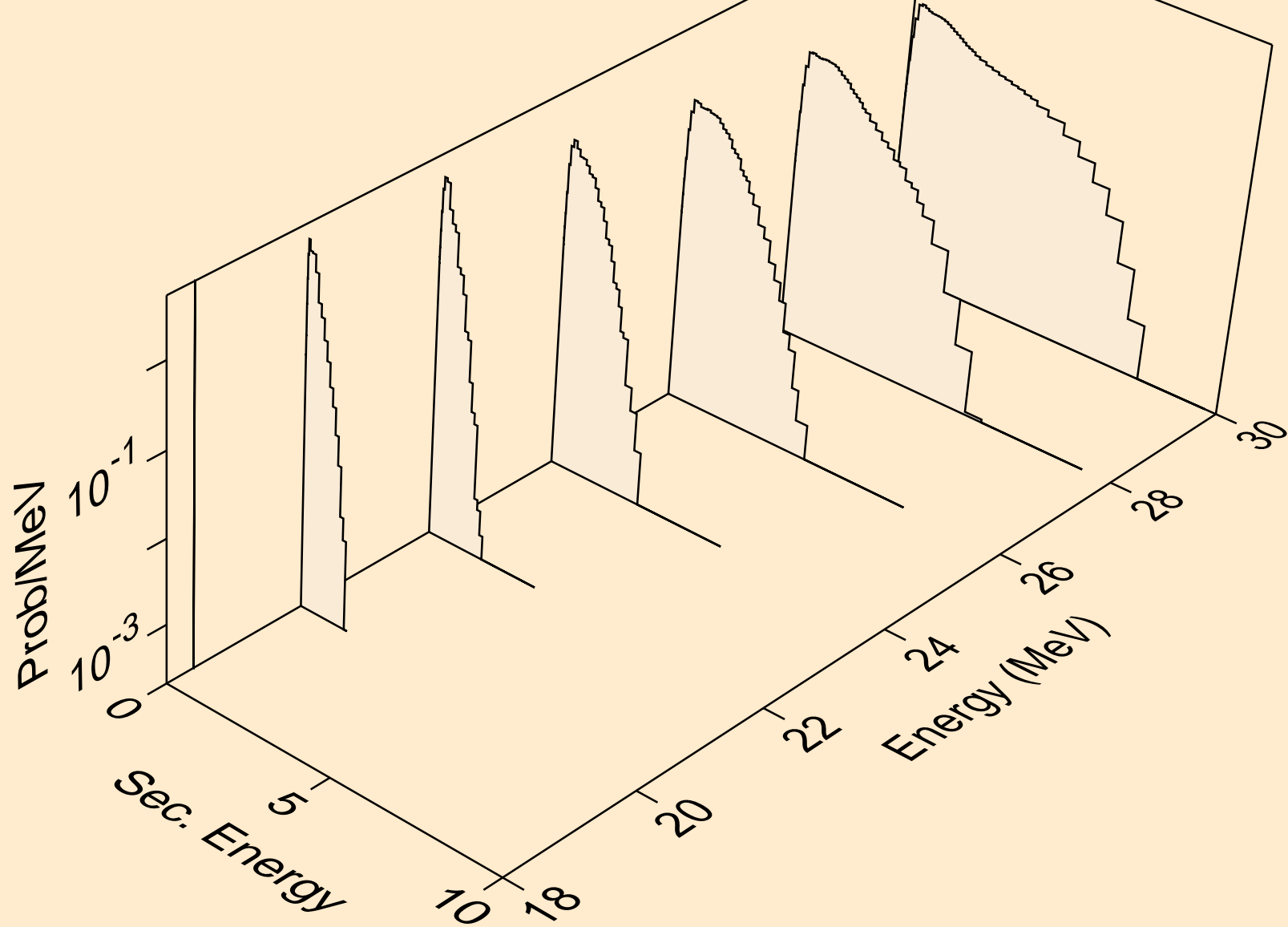
GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)t



GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

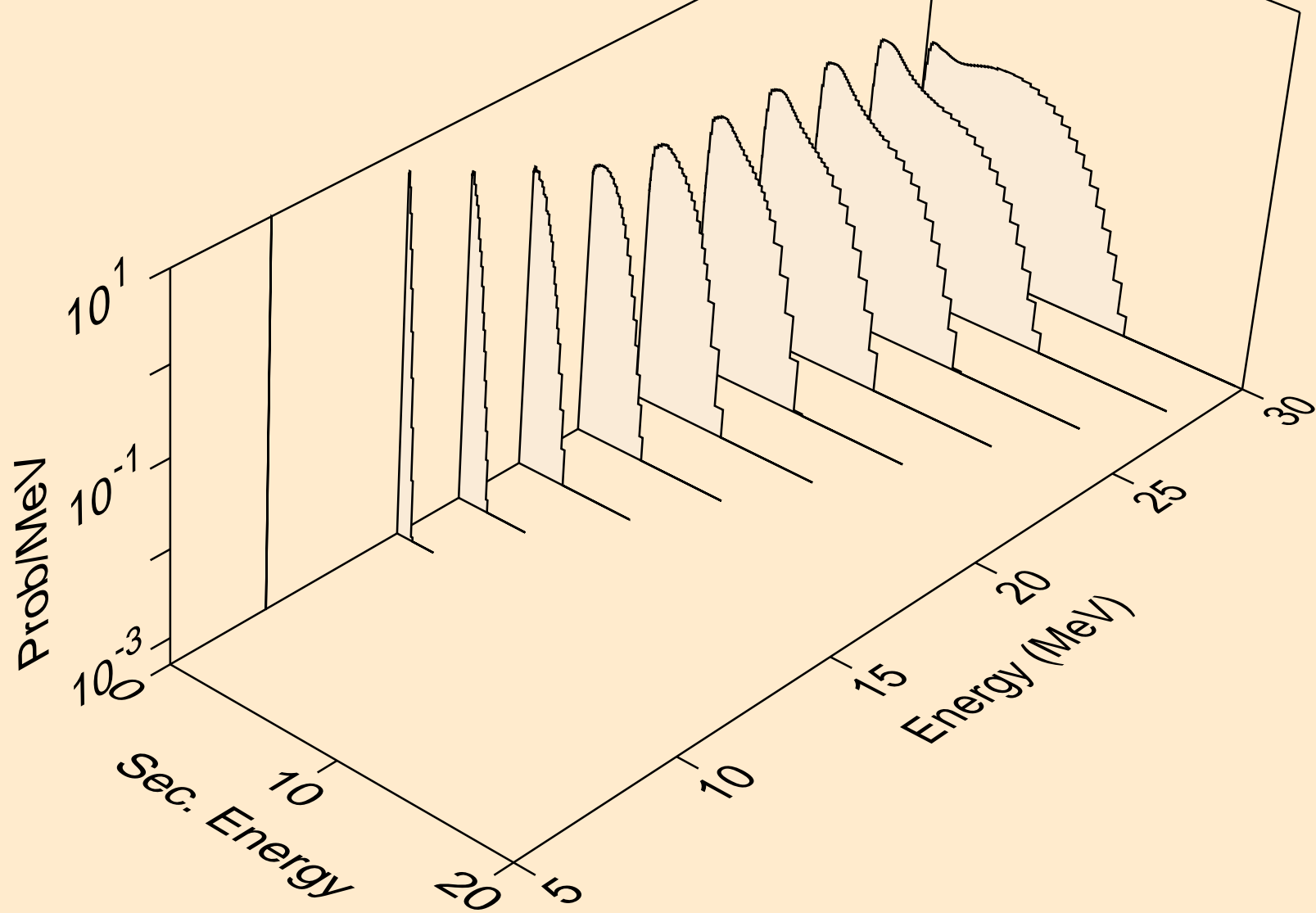


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neutrons from (s,2np)

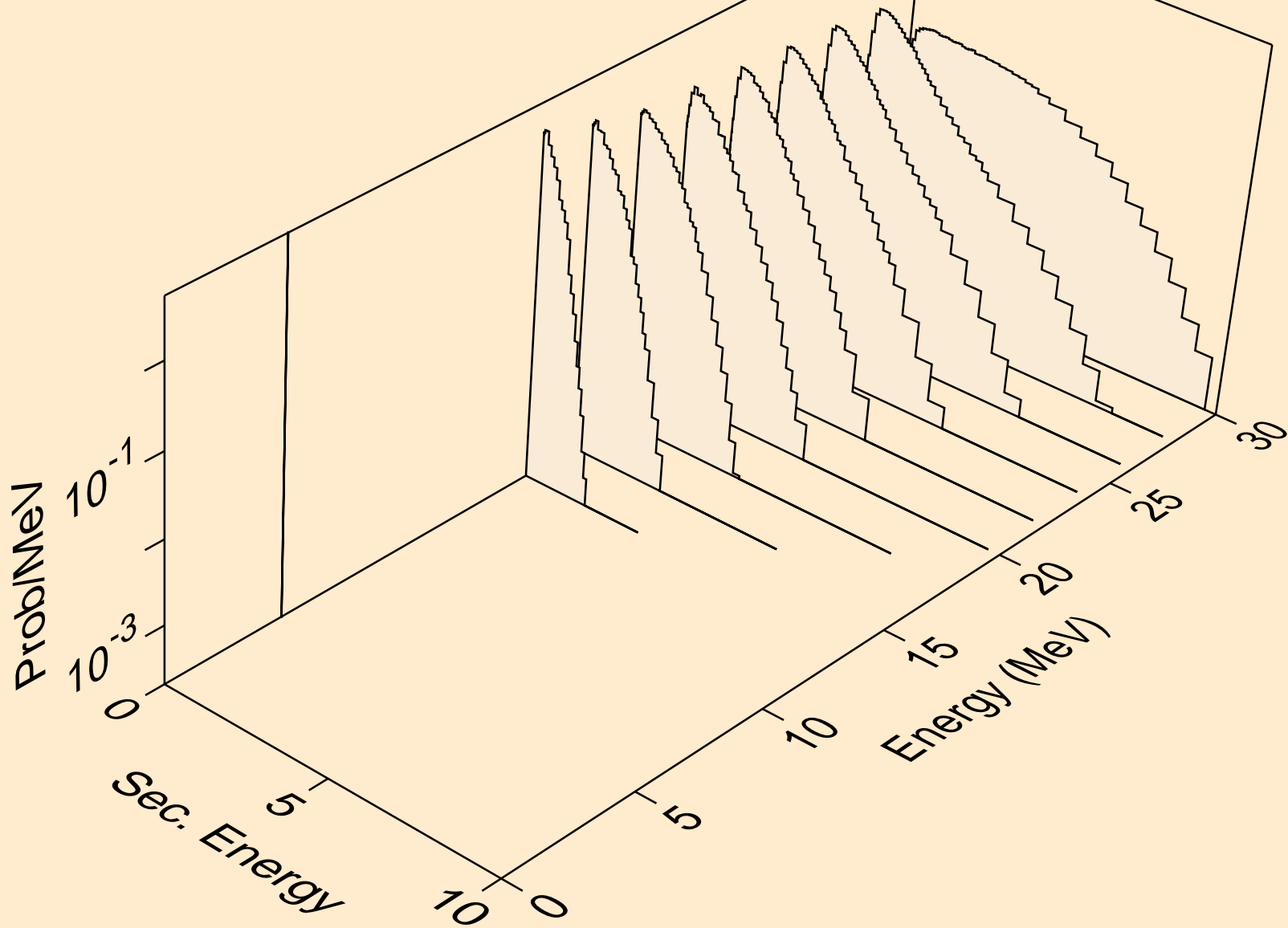




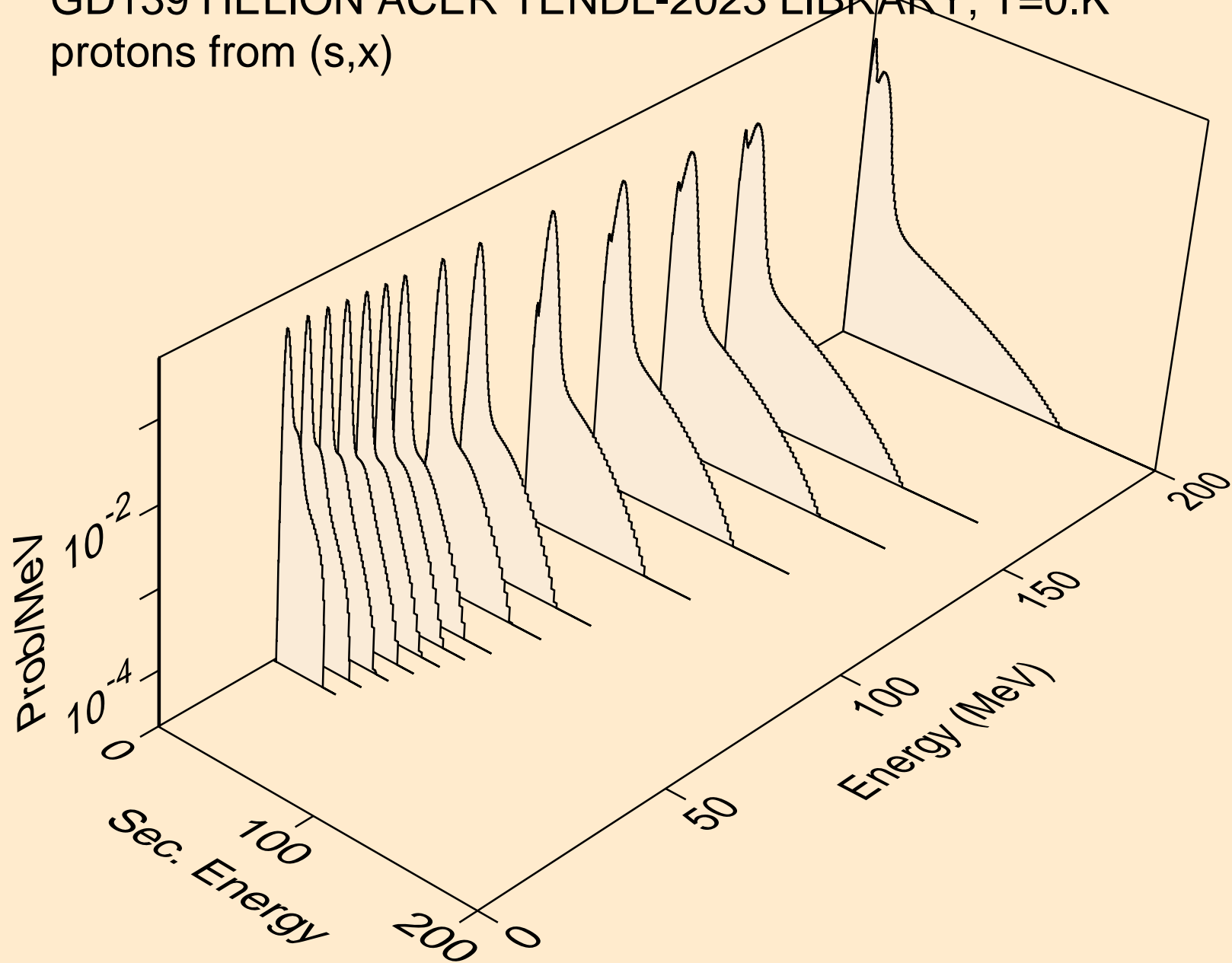
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neutrons from (s,n2p)



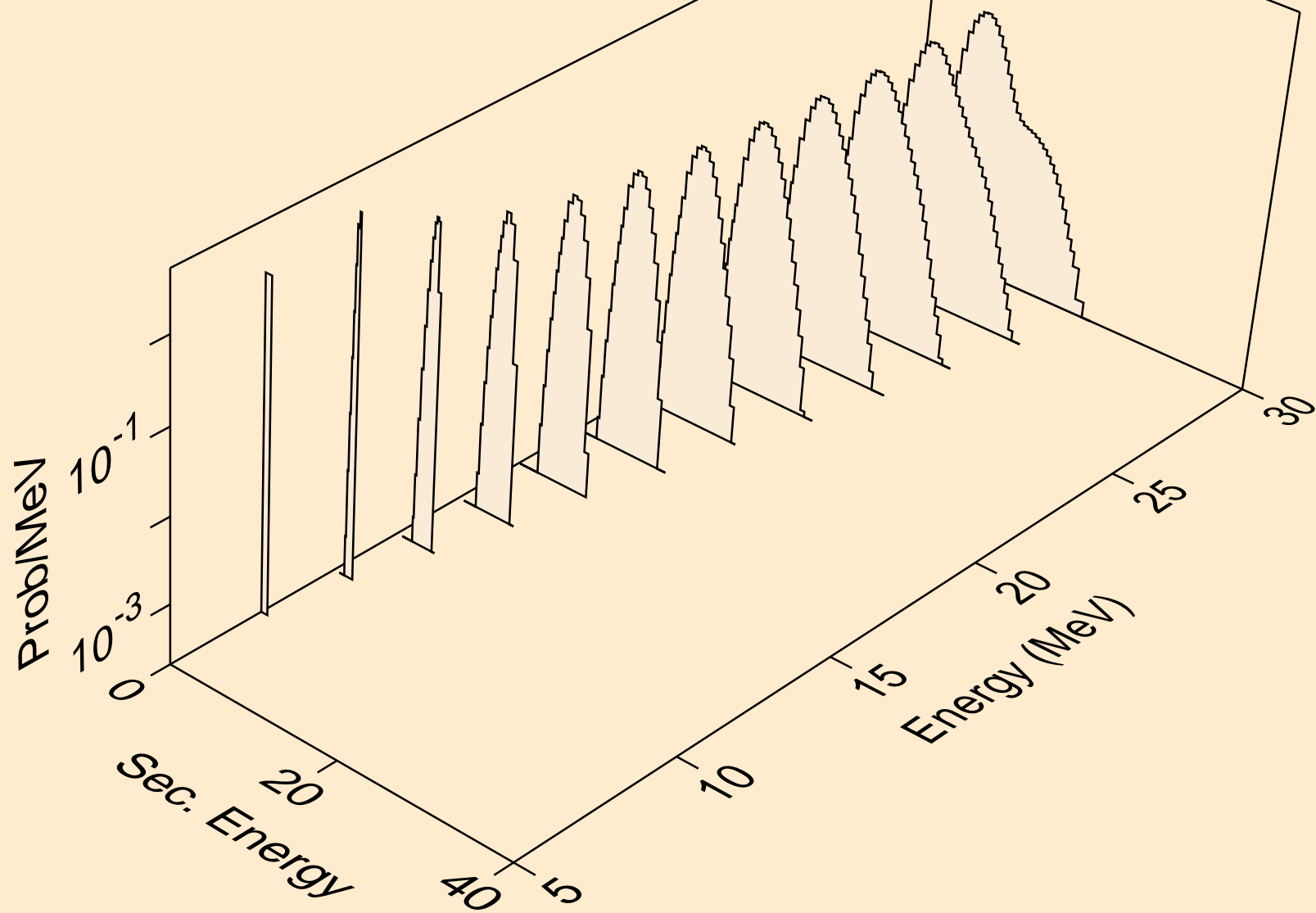
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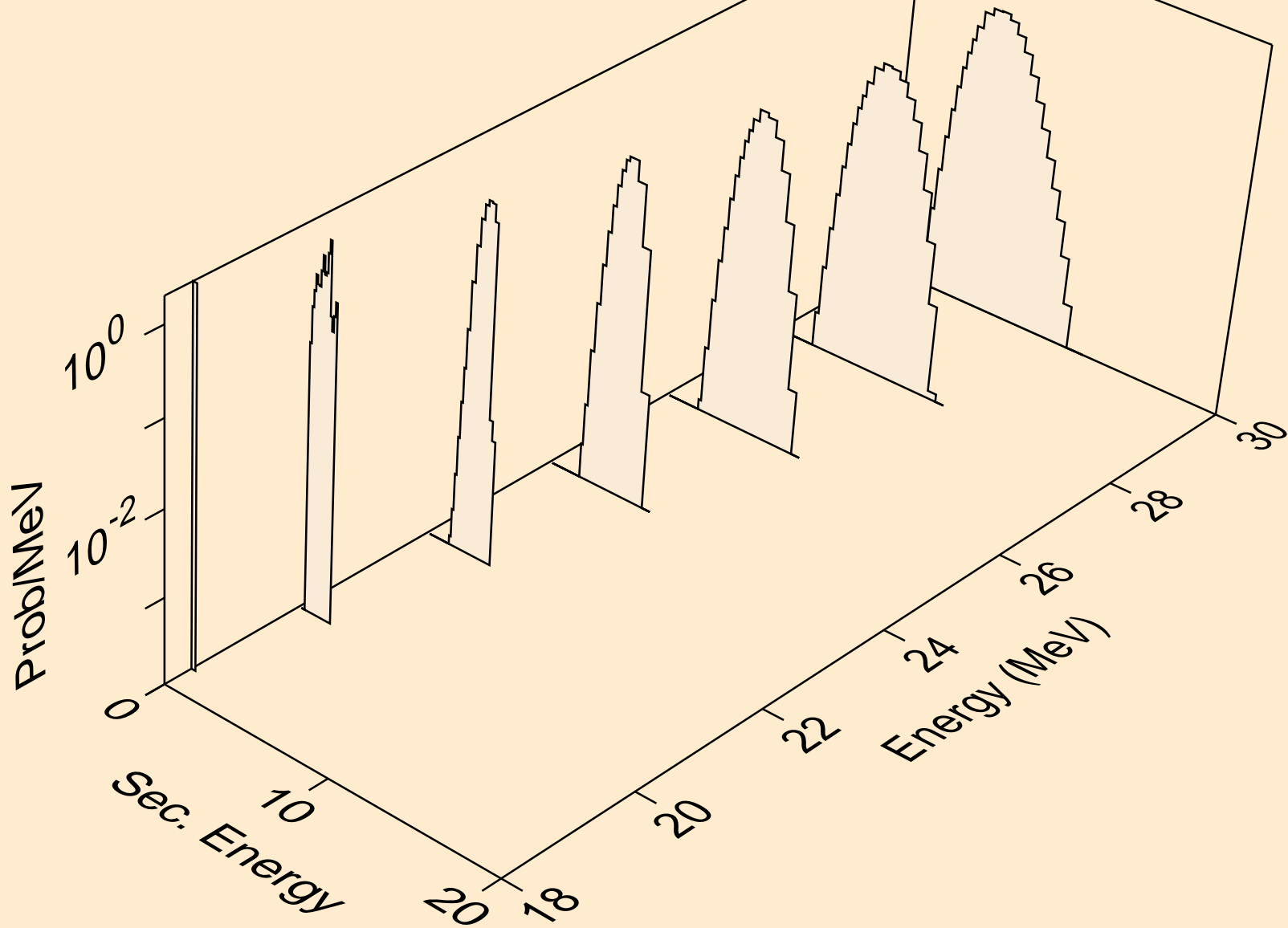
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protons from (s,x)



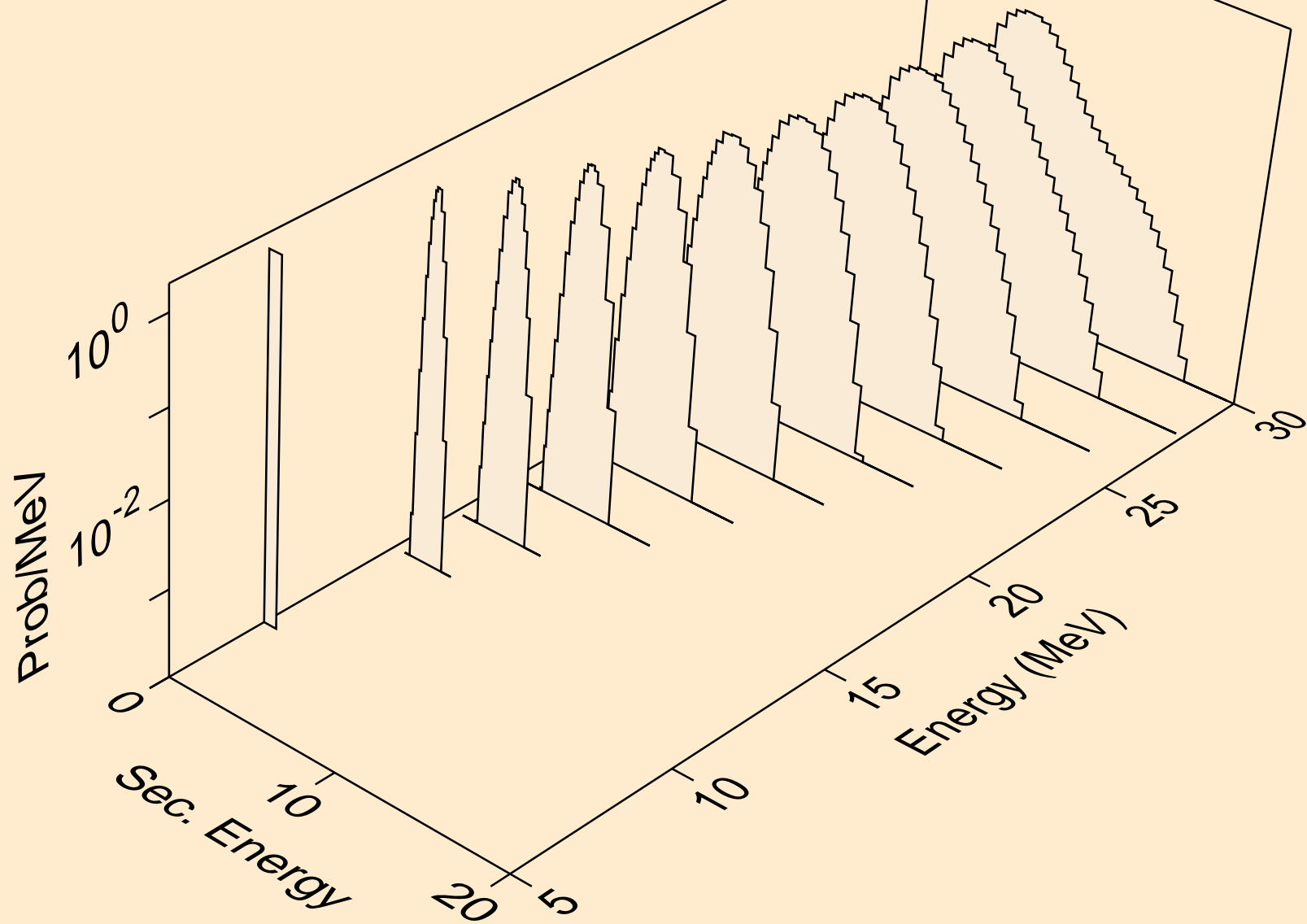
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protons from (s,n\*)p



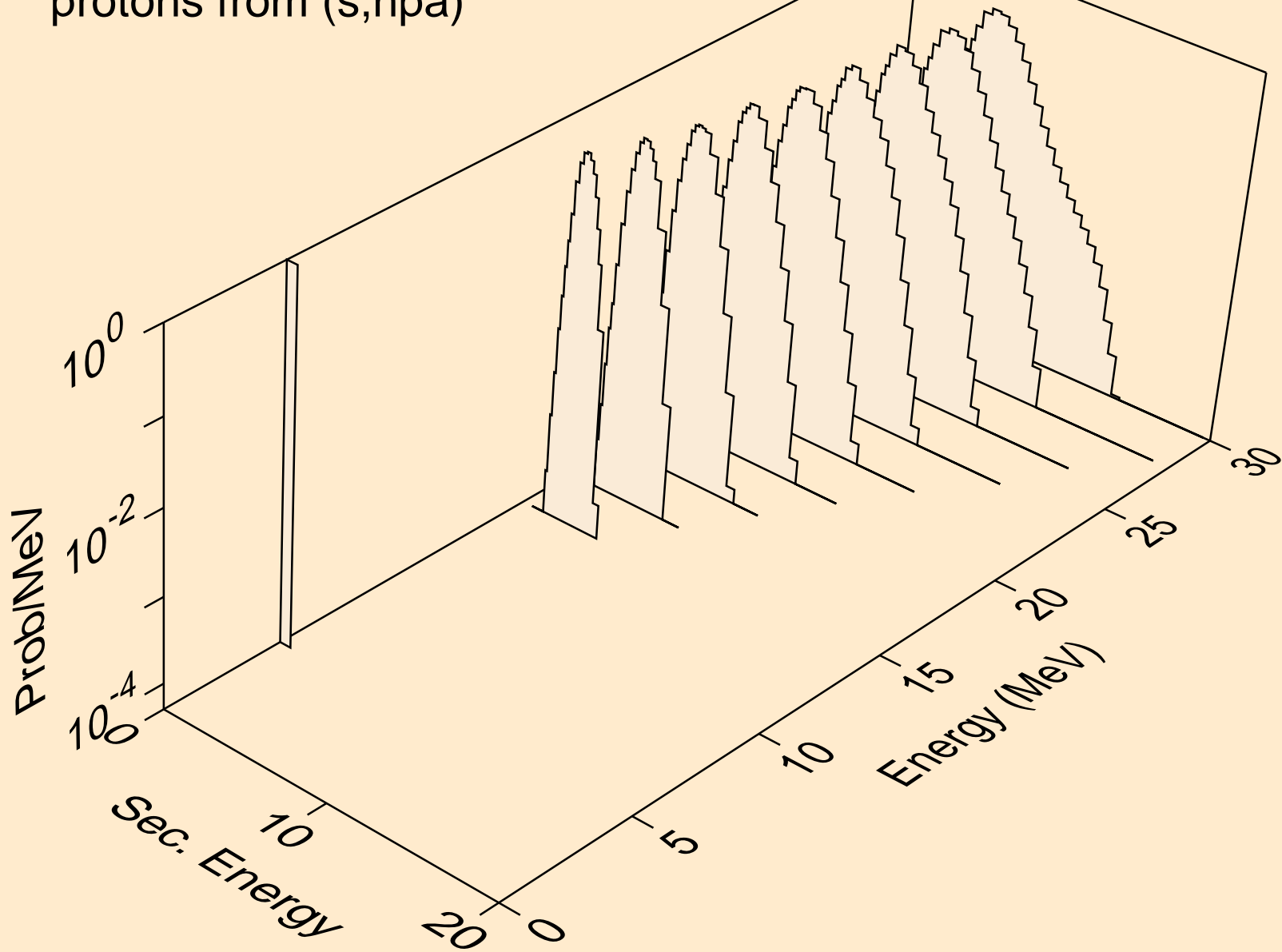
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protons from (s,2np)



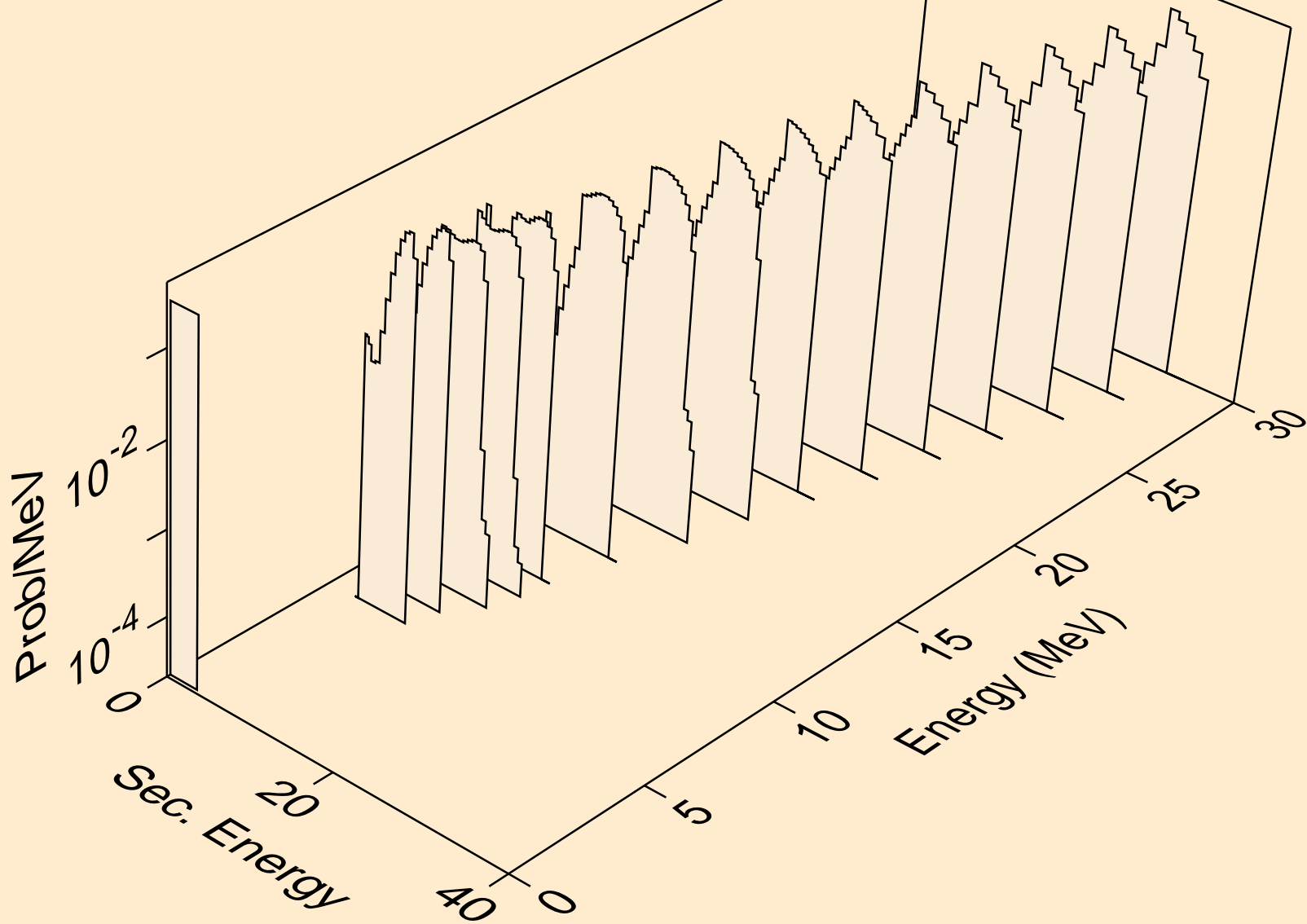
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protons from (s,n2p)



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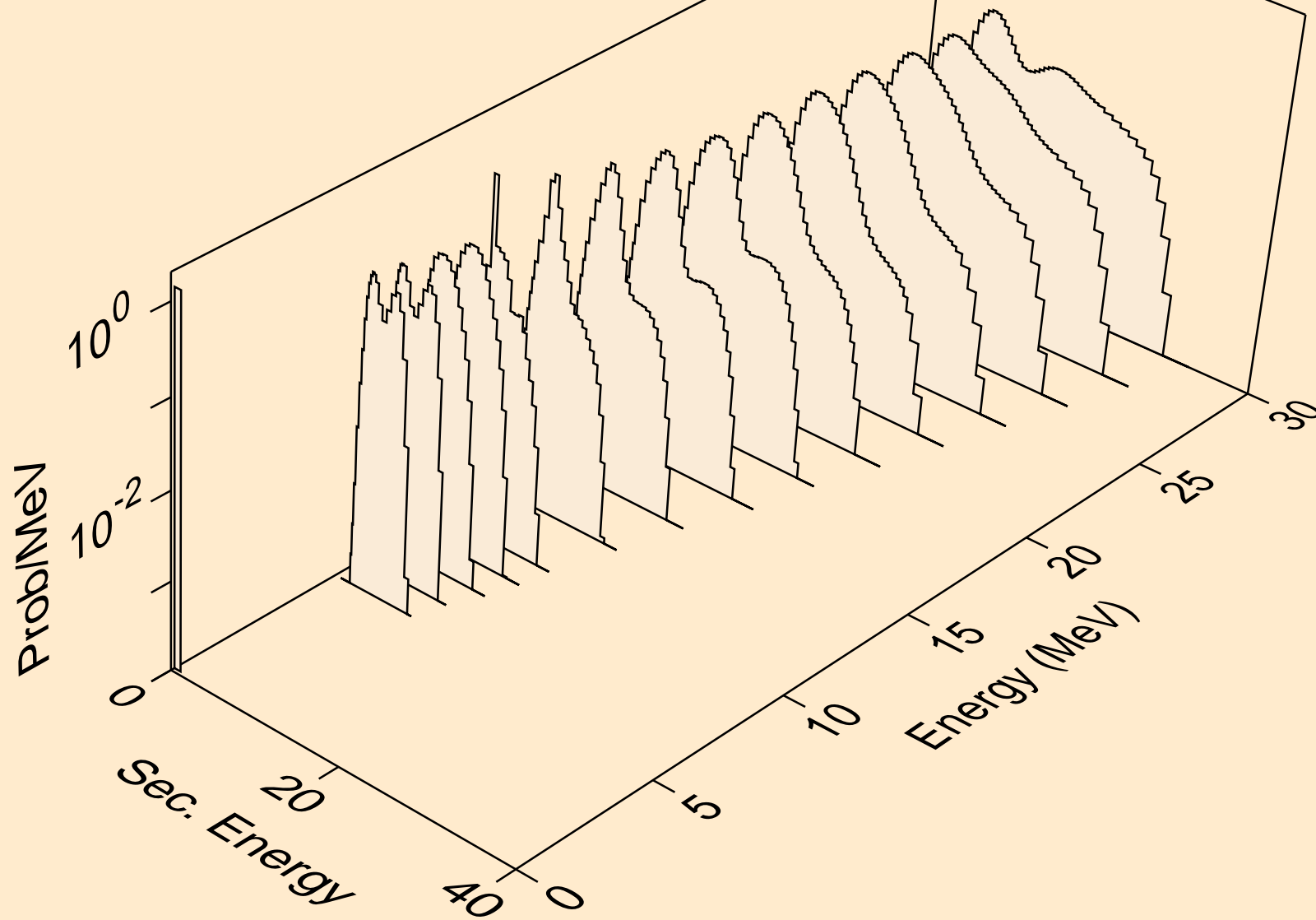


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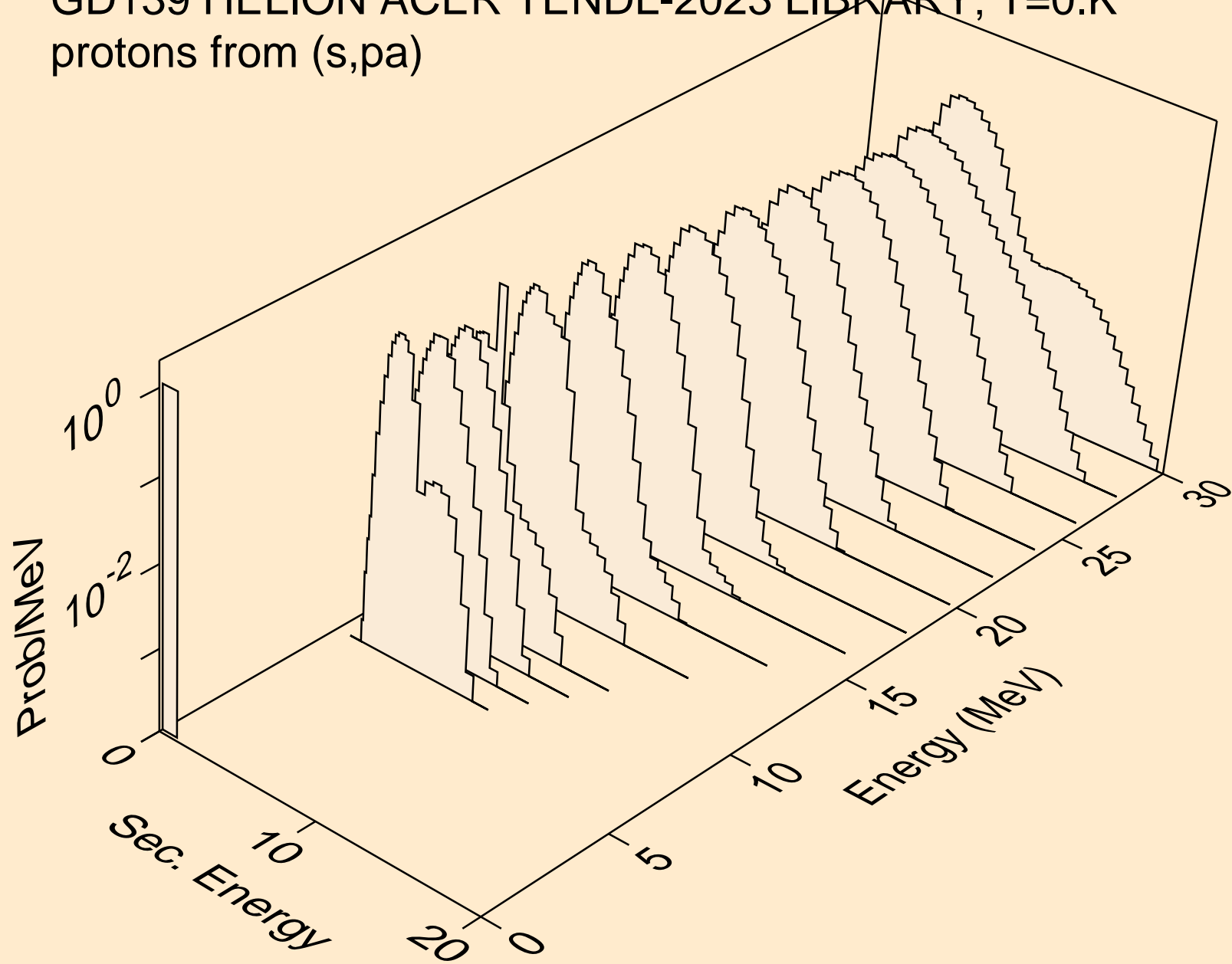




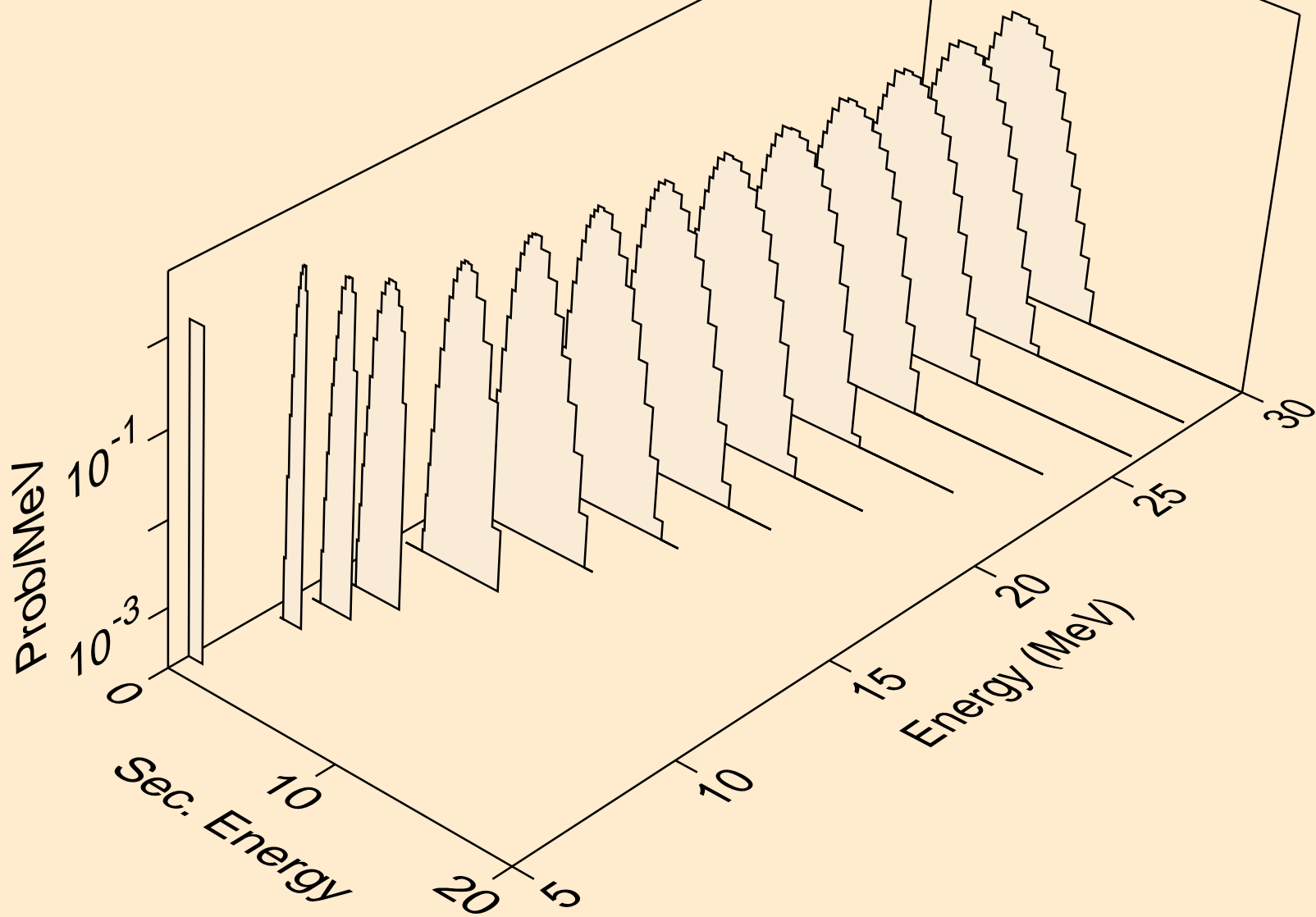
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protons from (s,2p)



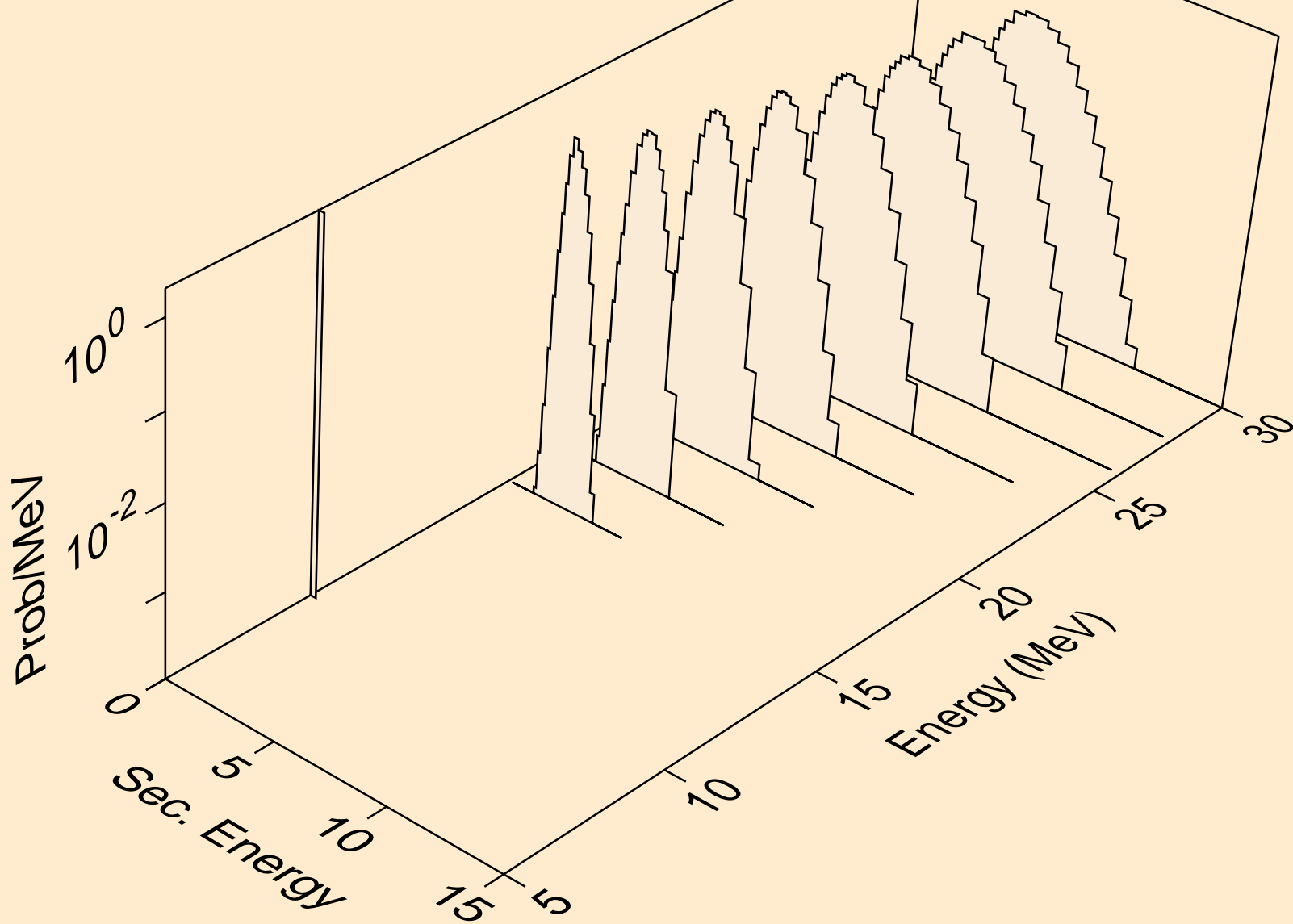
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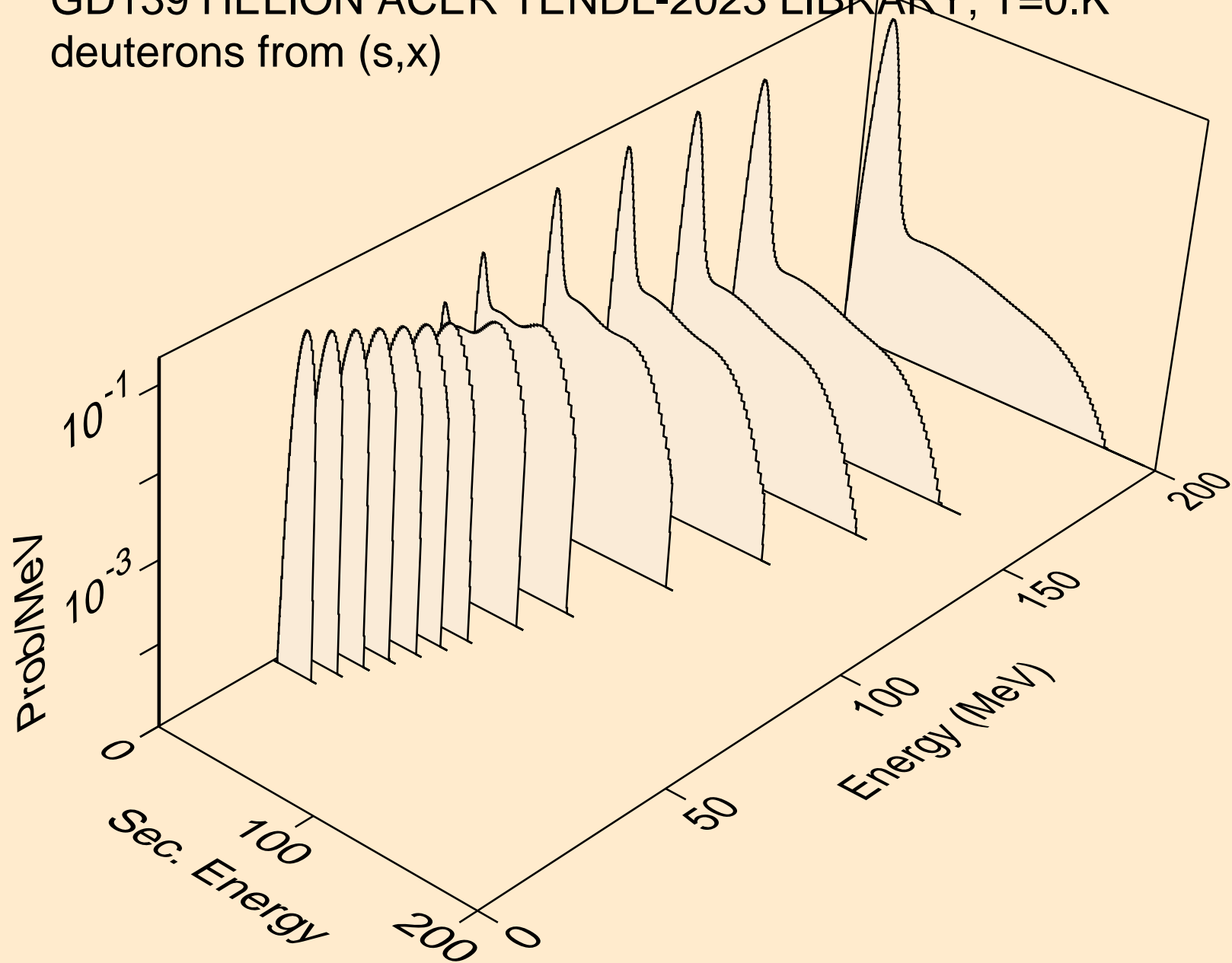
GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pd)



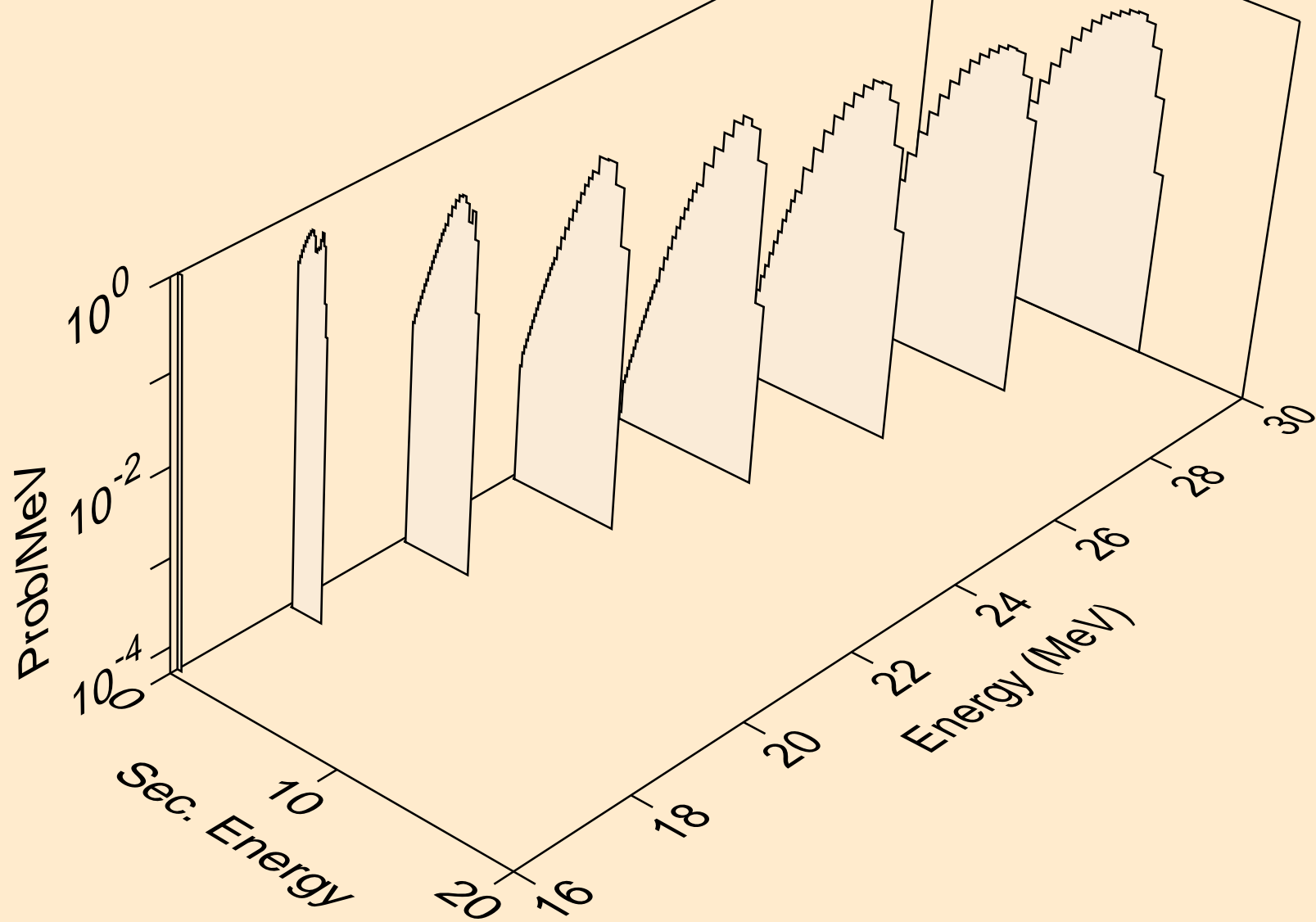
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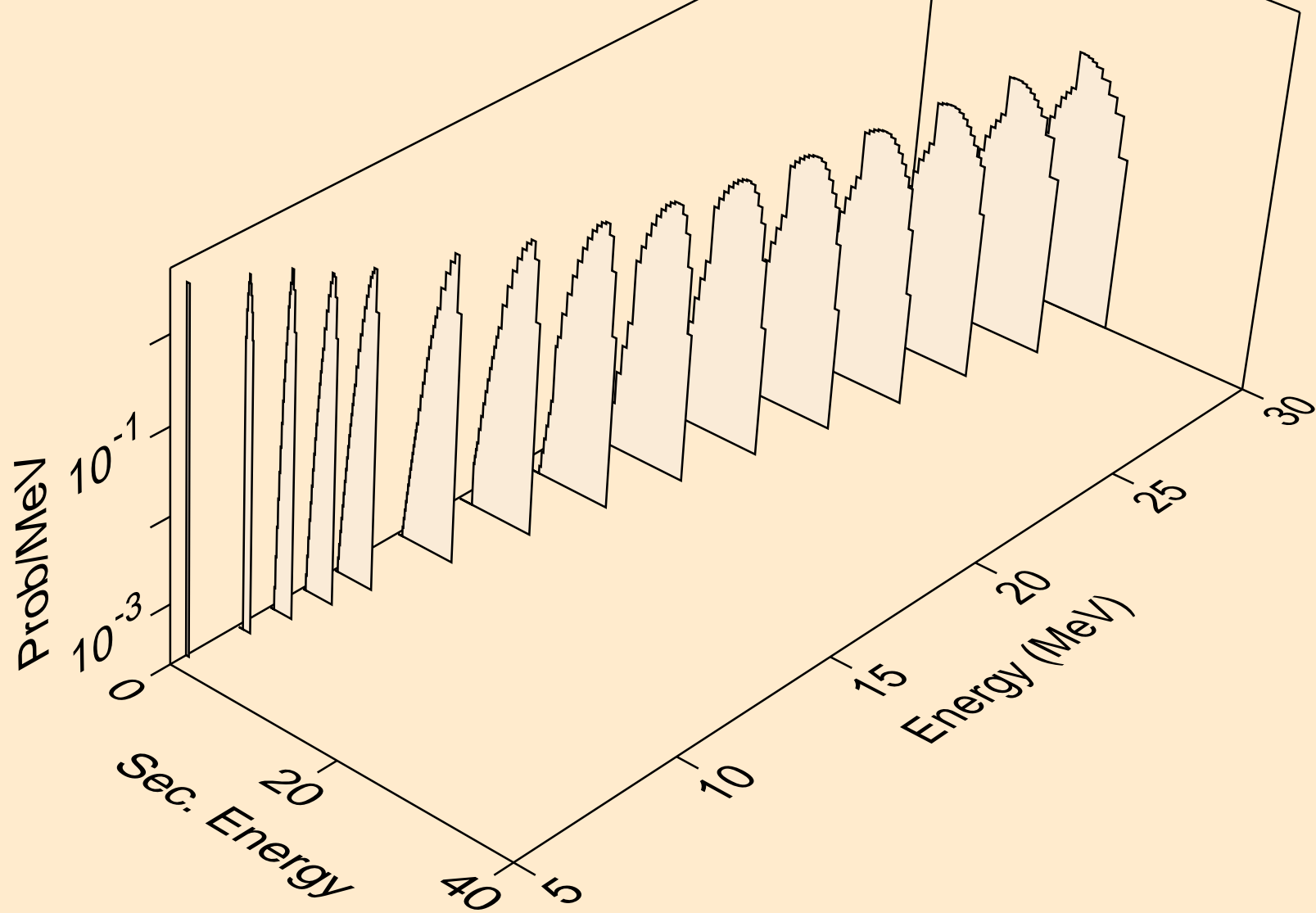
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deuterons from (s,x)



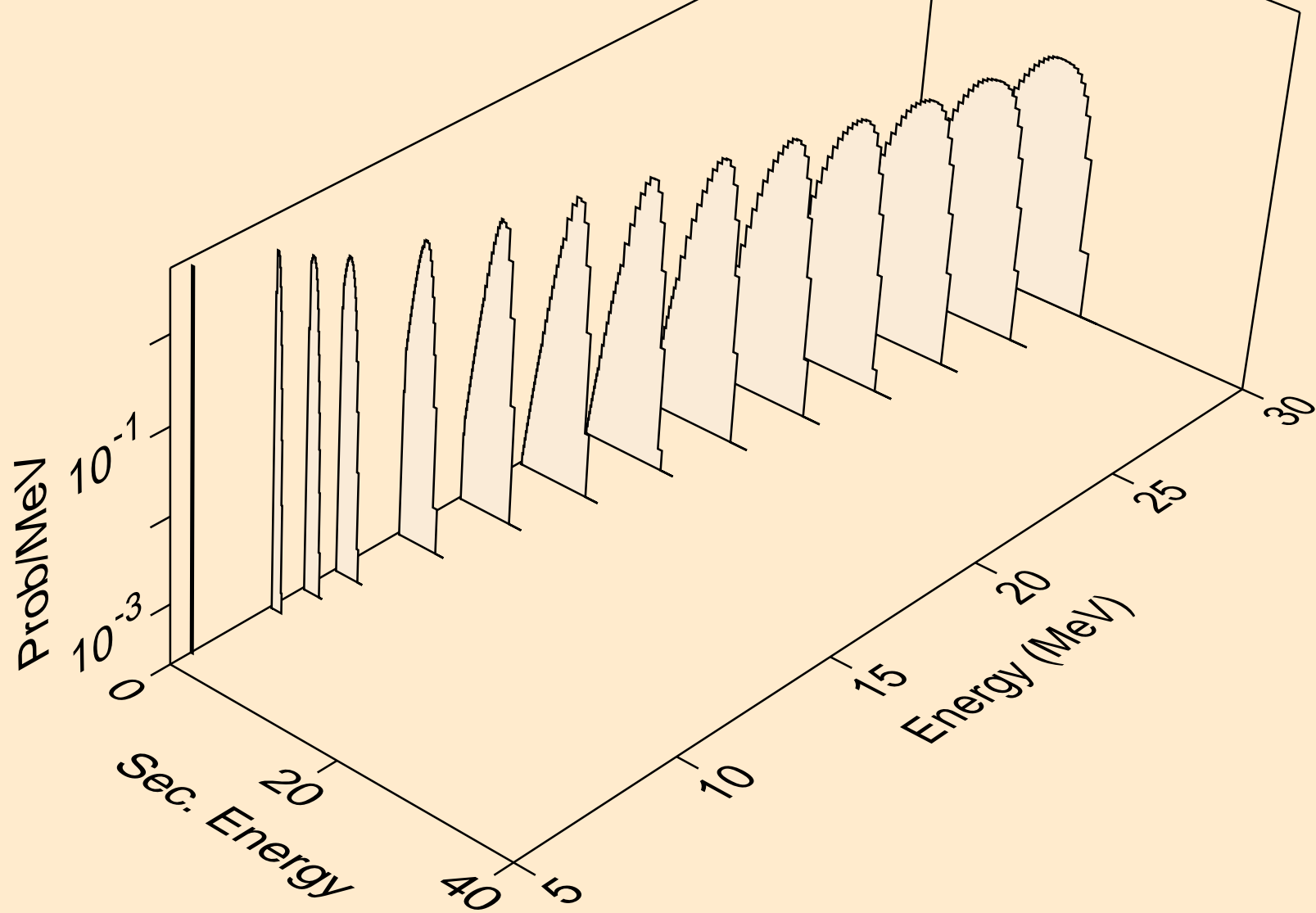
GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,n\*)d



GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,d)

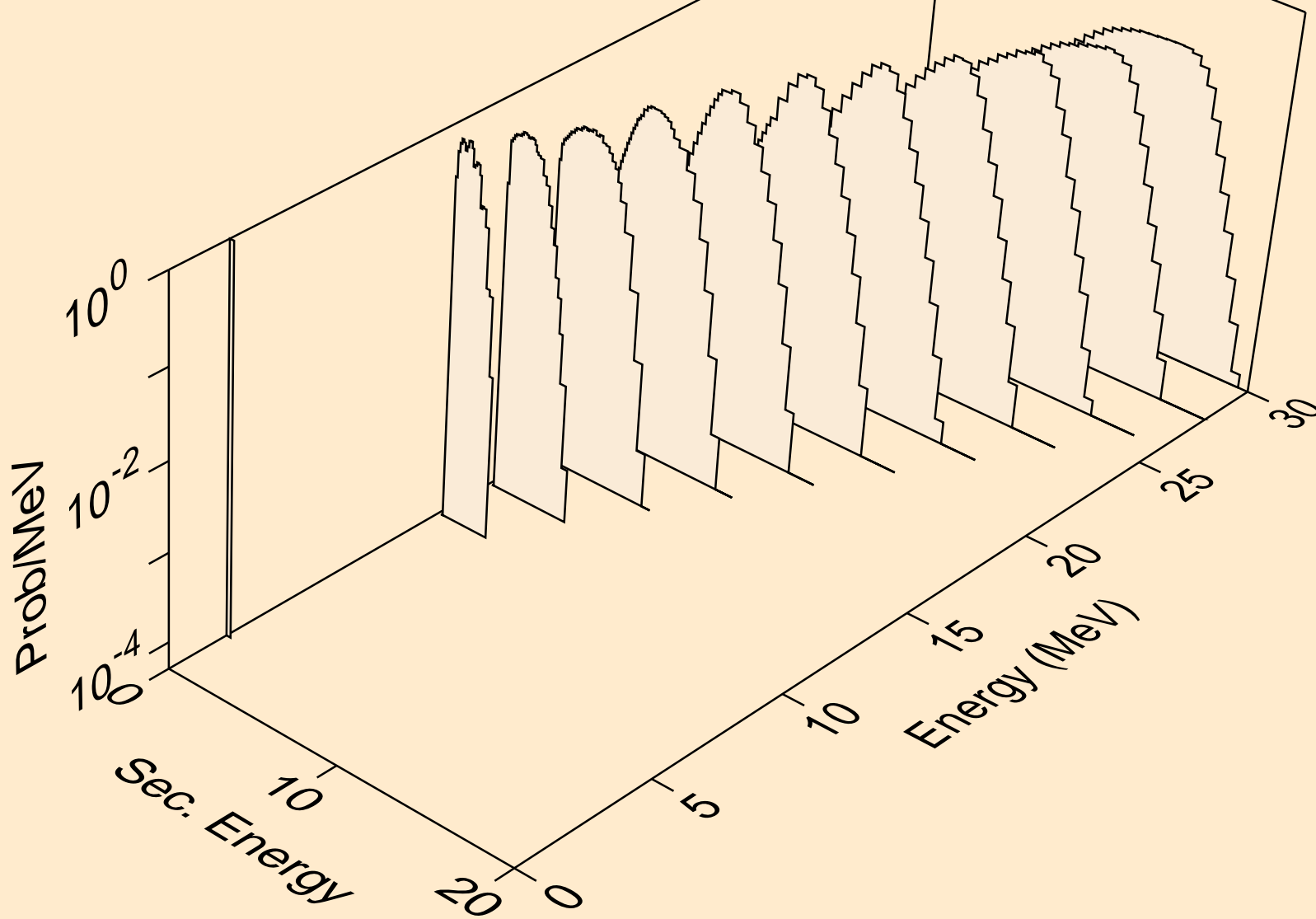


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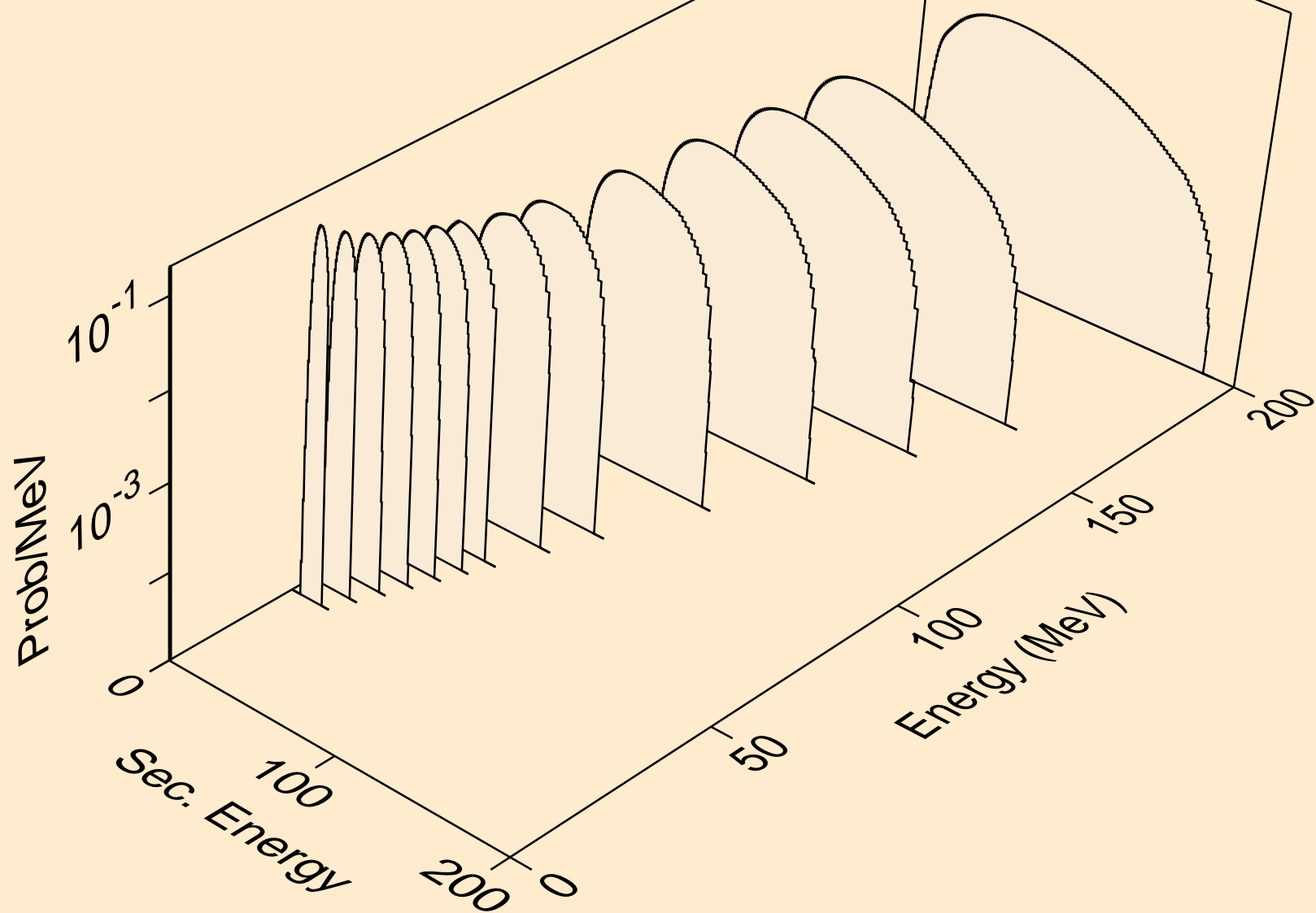




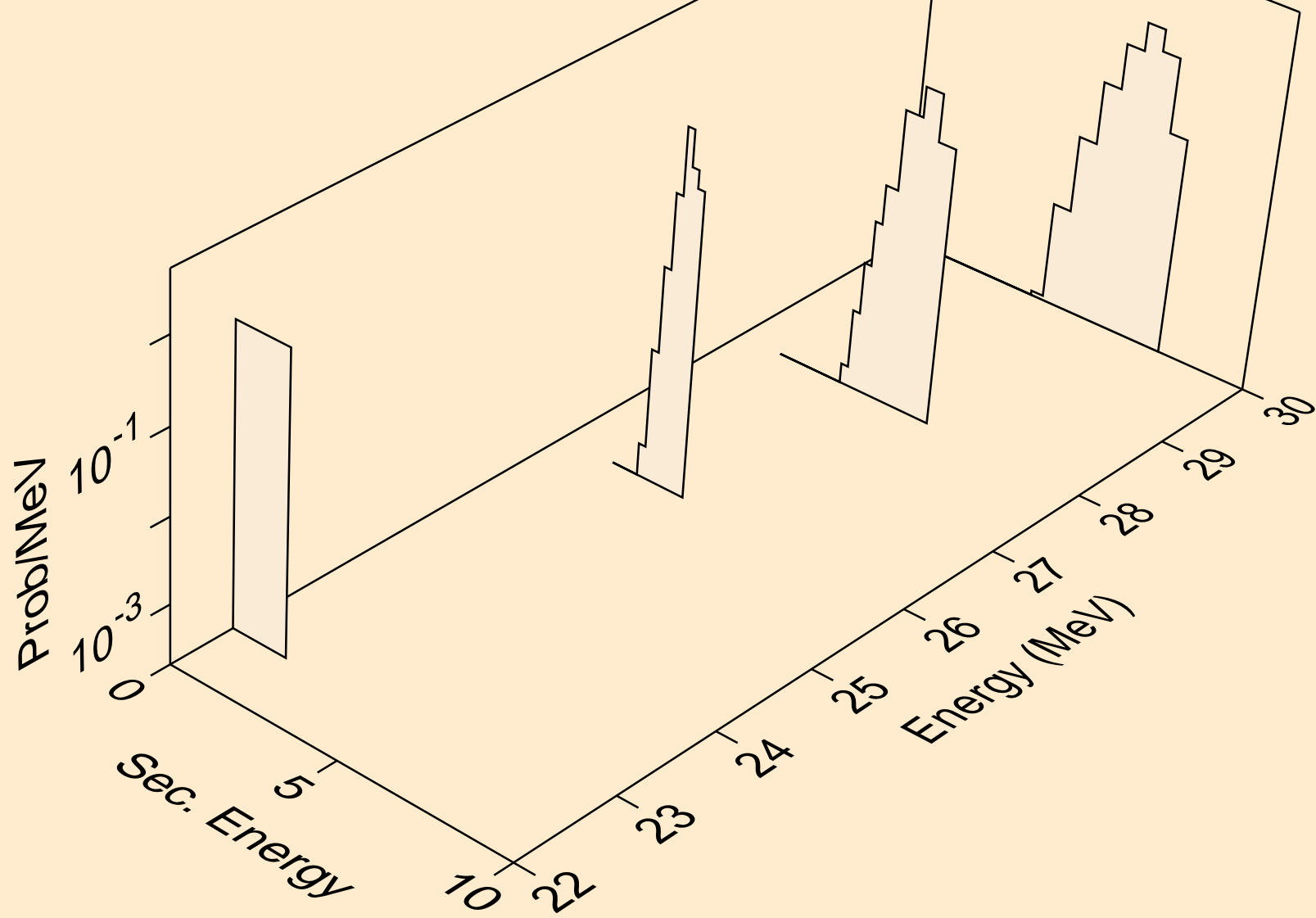
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deuterons from (s,da)



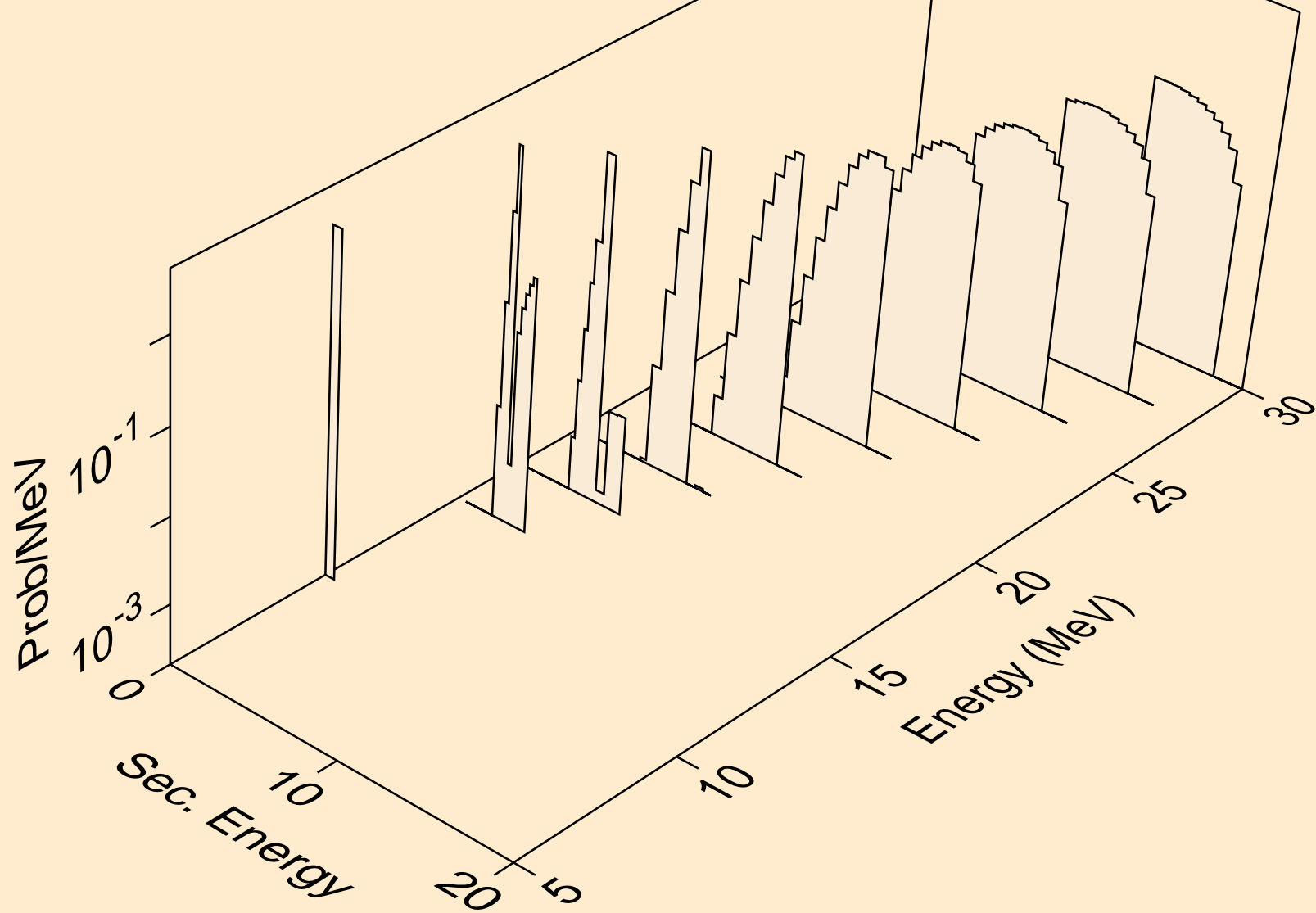
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tritons from (s,x)



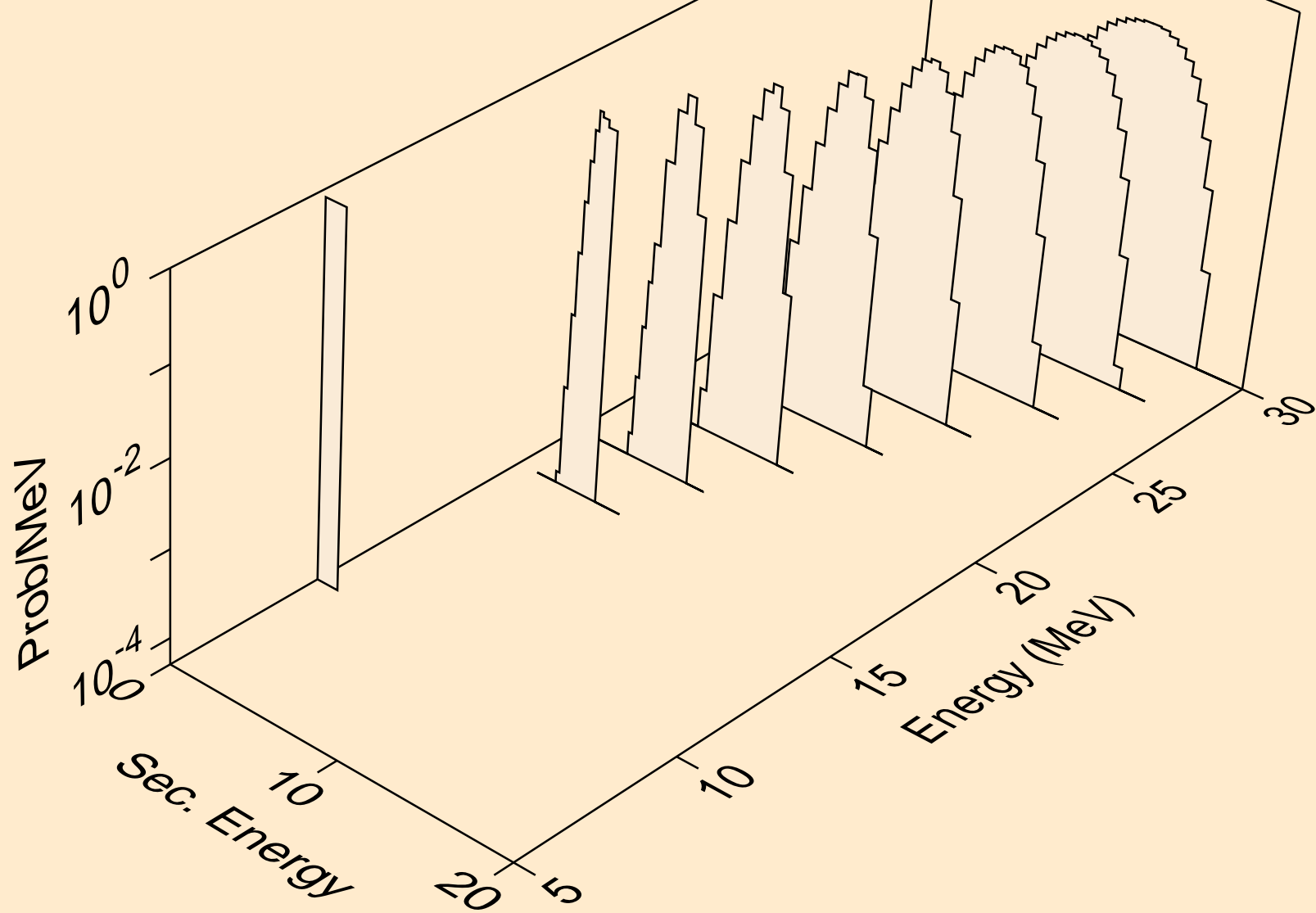
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tritons from (s,n\*)t



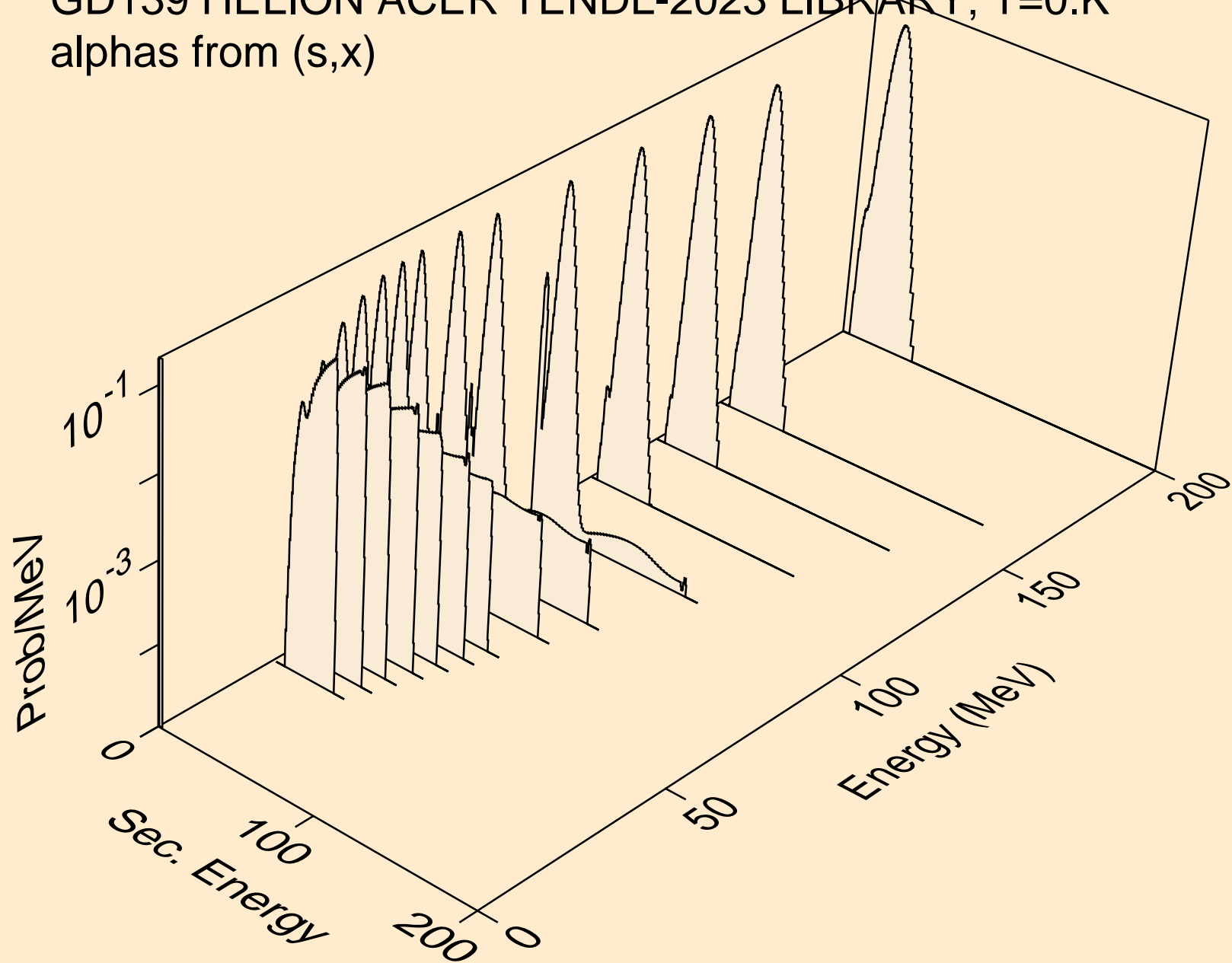
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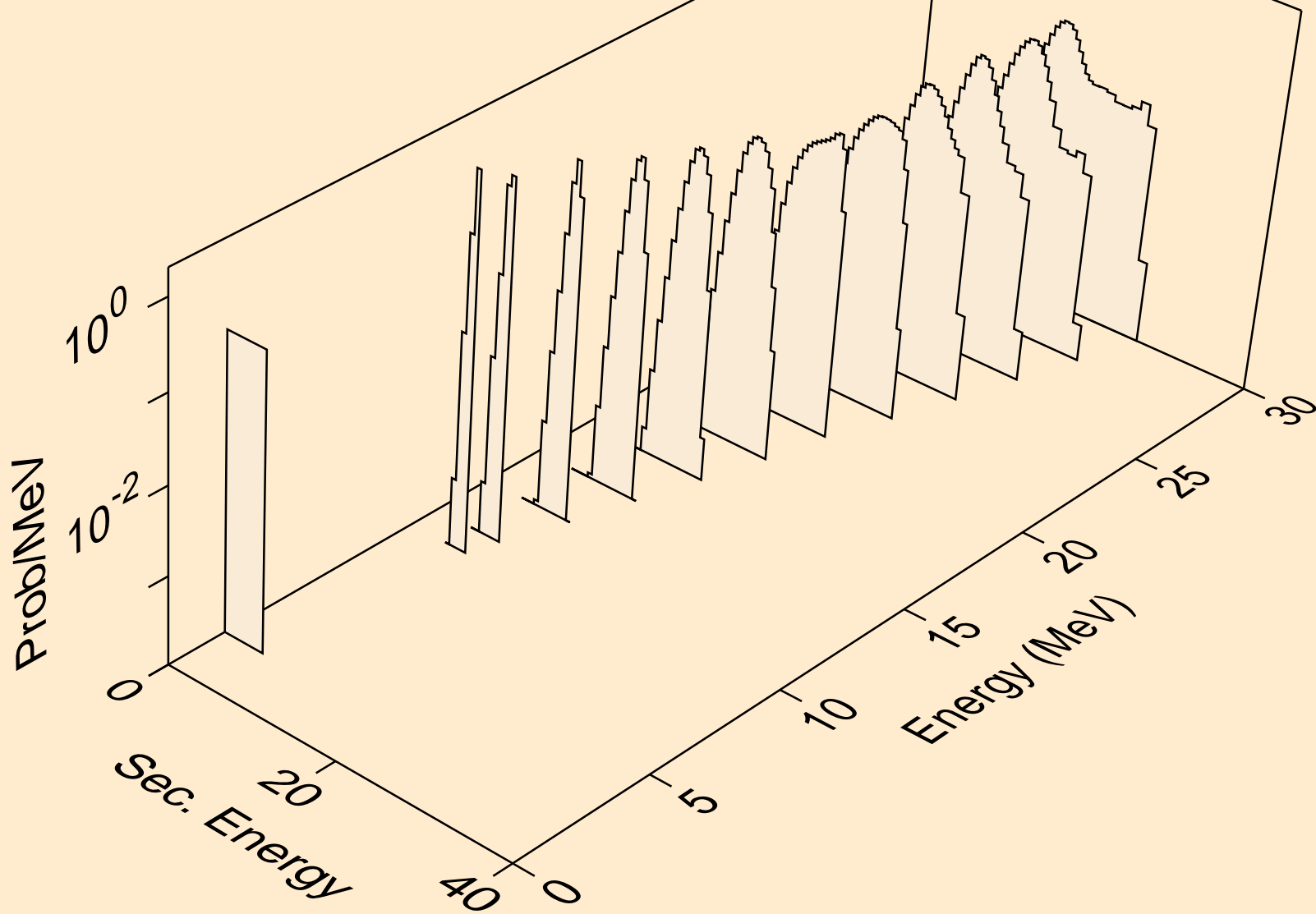
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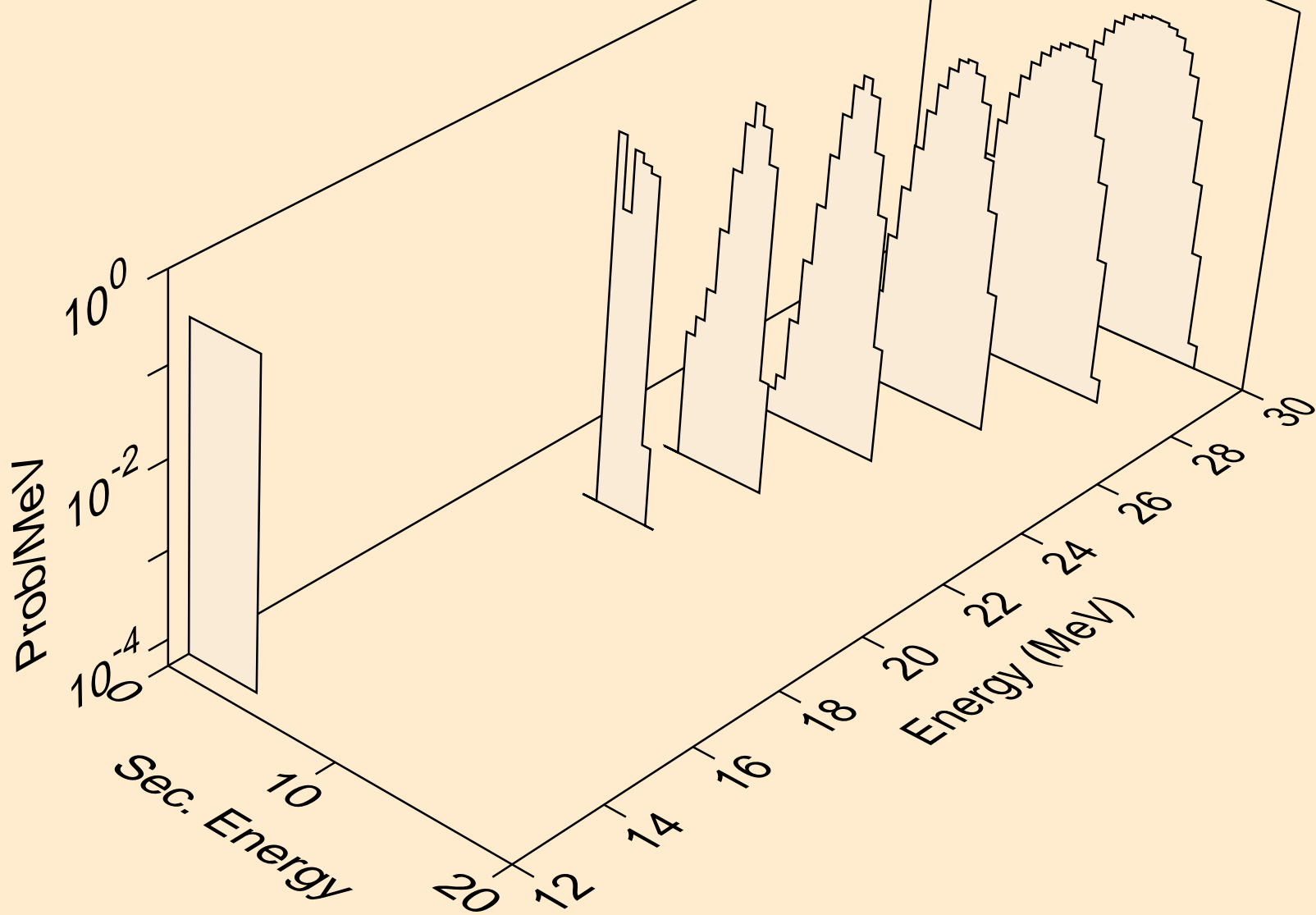
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alphas from (s,x)



GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)a

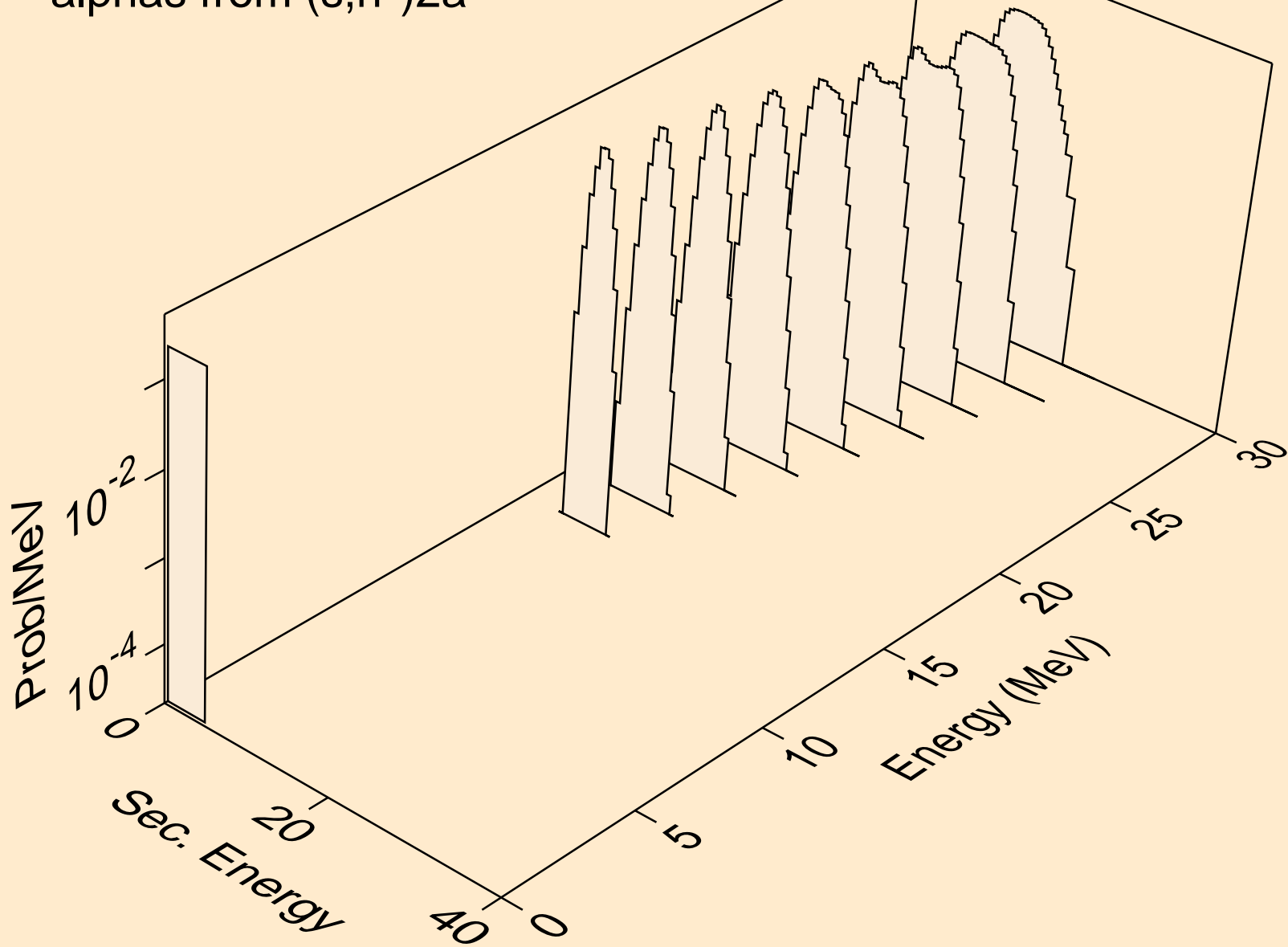


GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2n)a

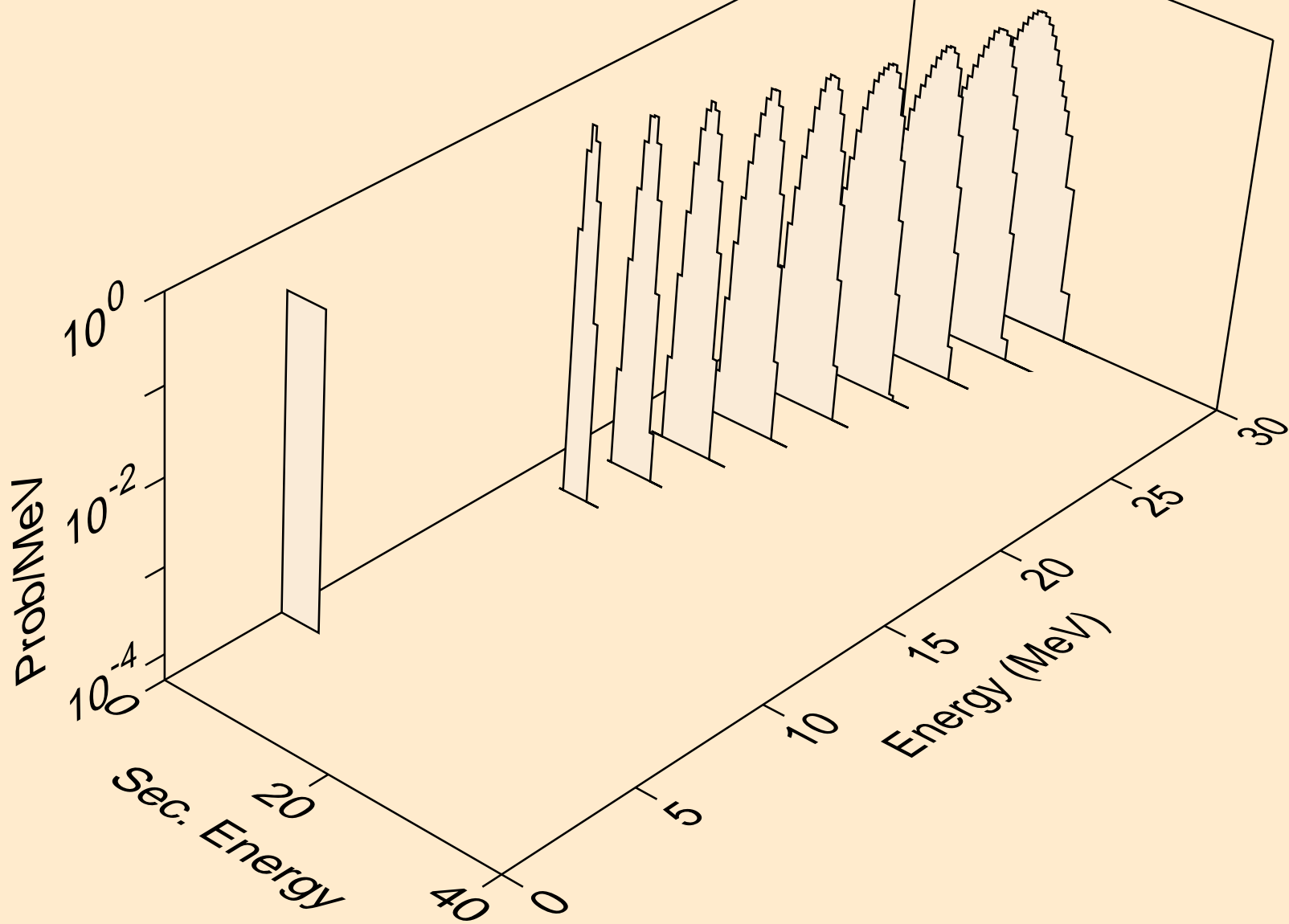




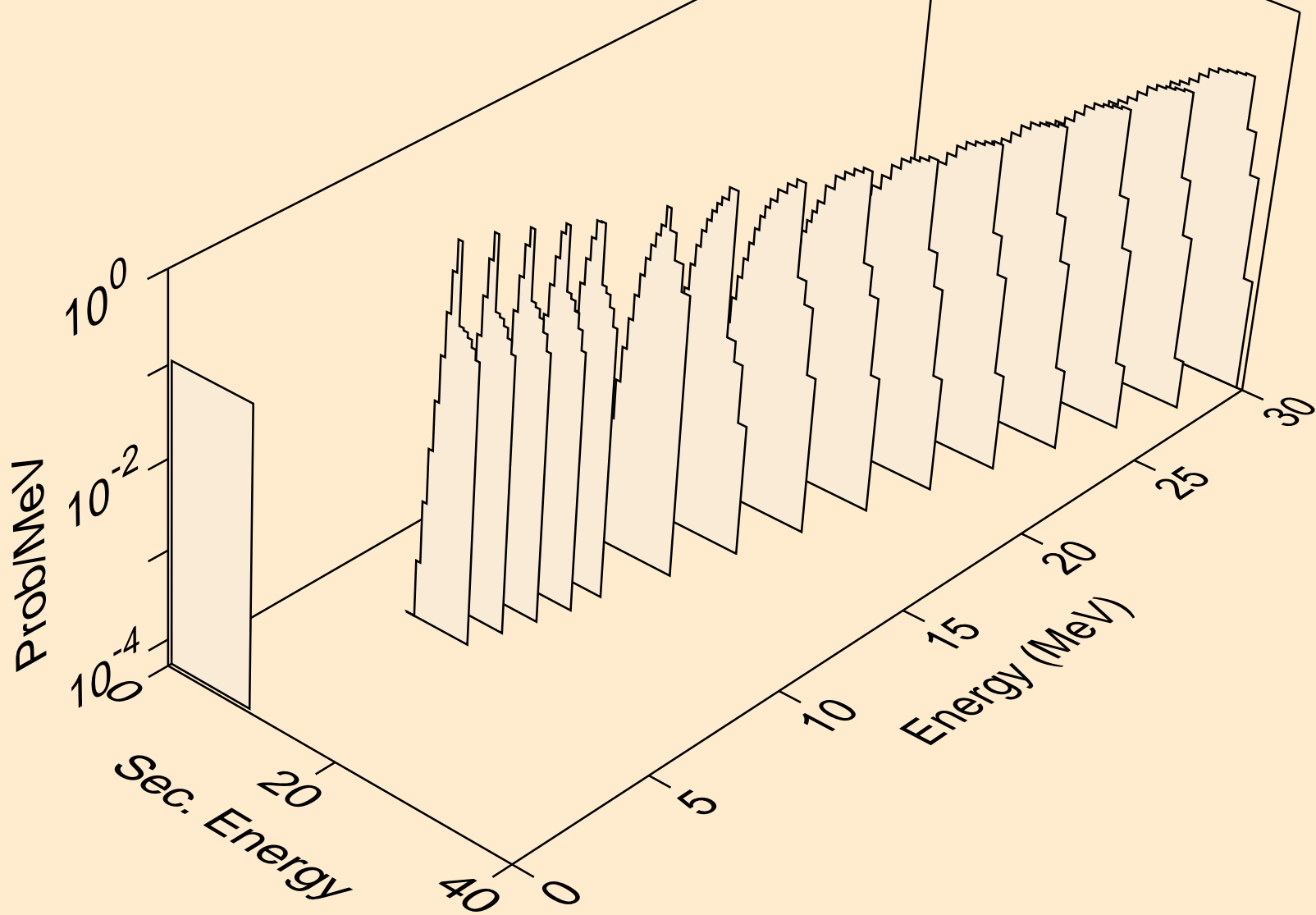
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alphas from (s,n\*)2a



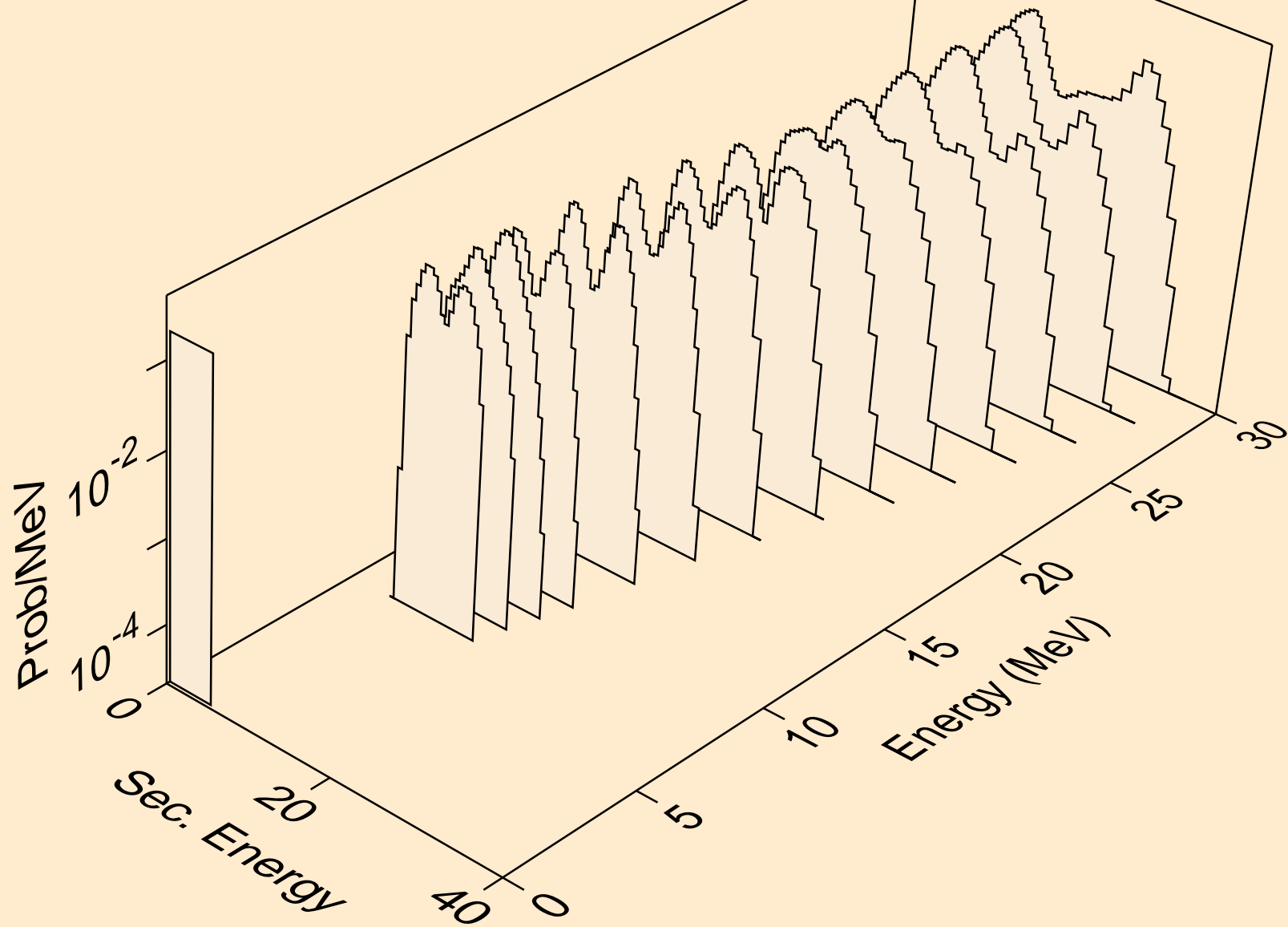
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alphas from (s,npa)



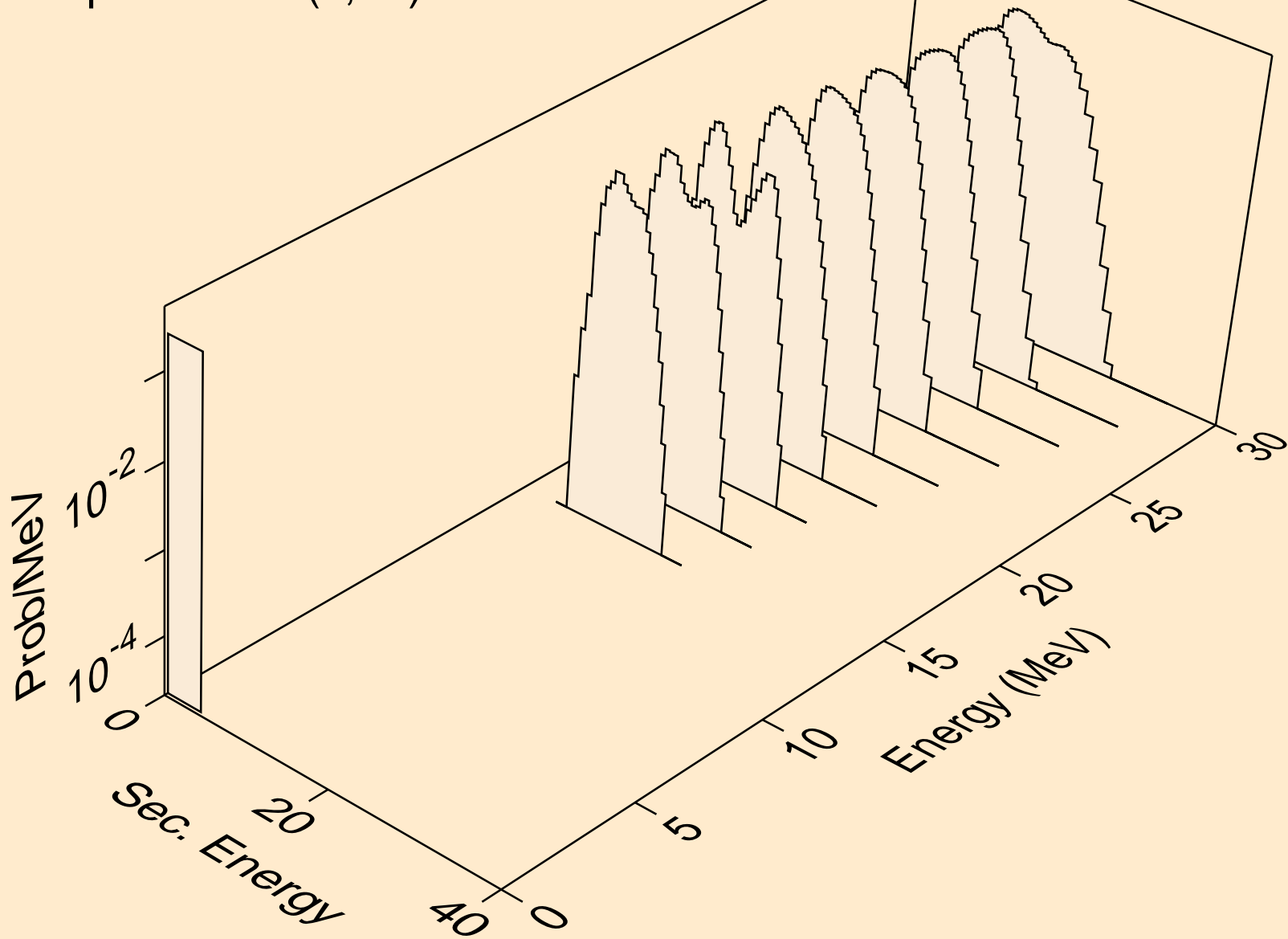
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alphas from (s,a)



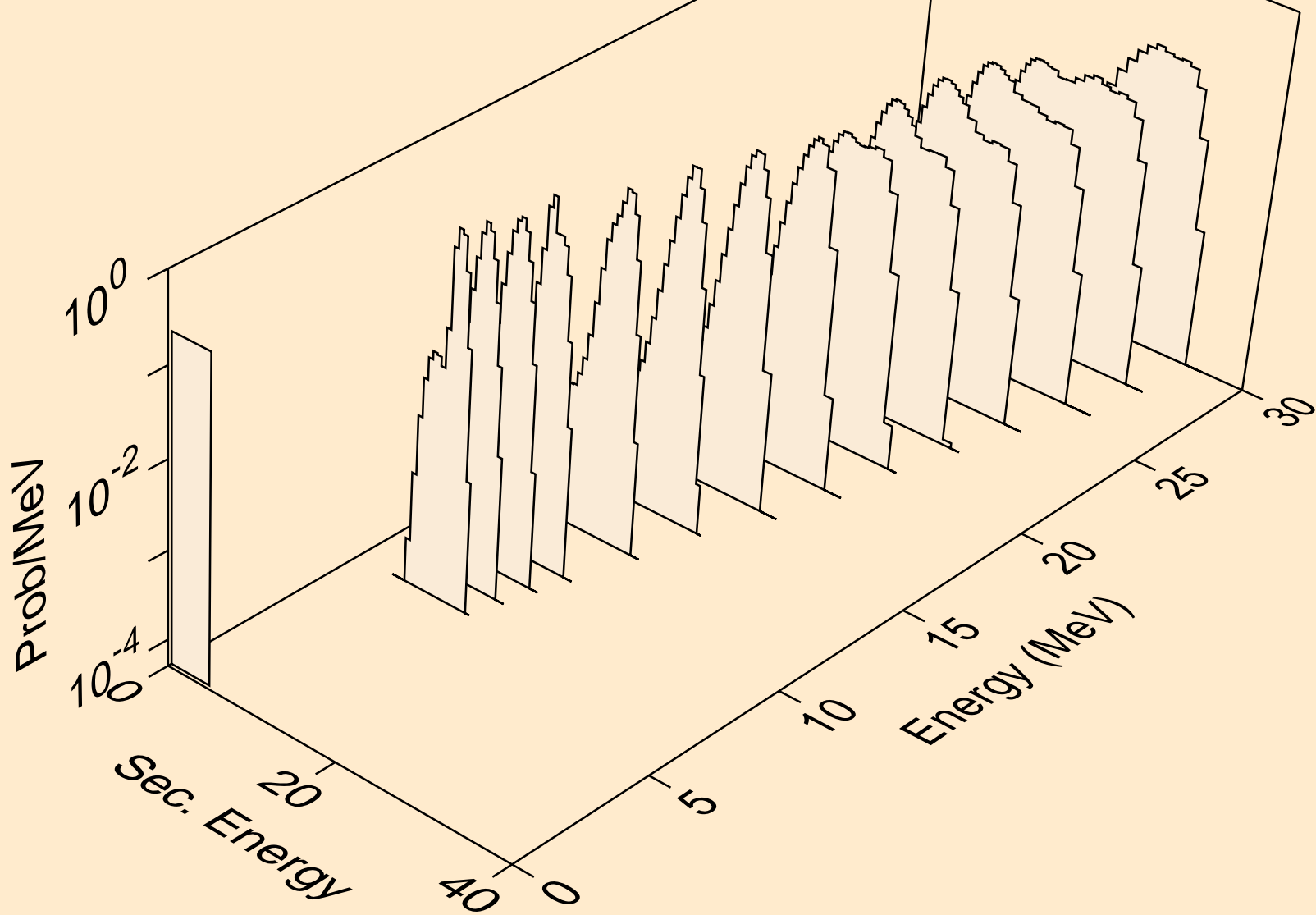
GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)



GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,3a)



GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



GD139 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

