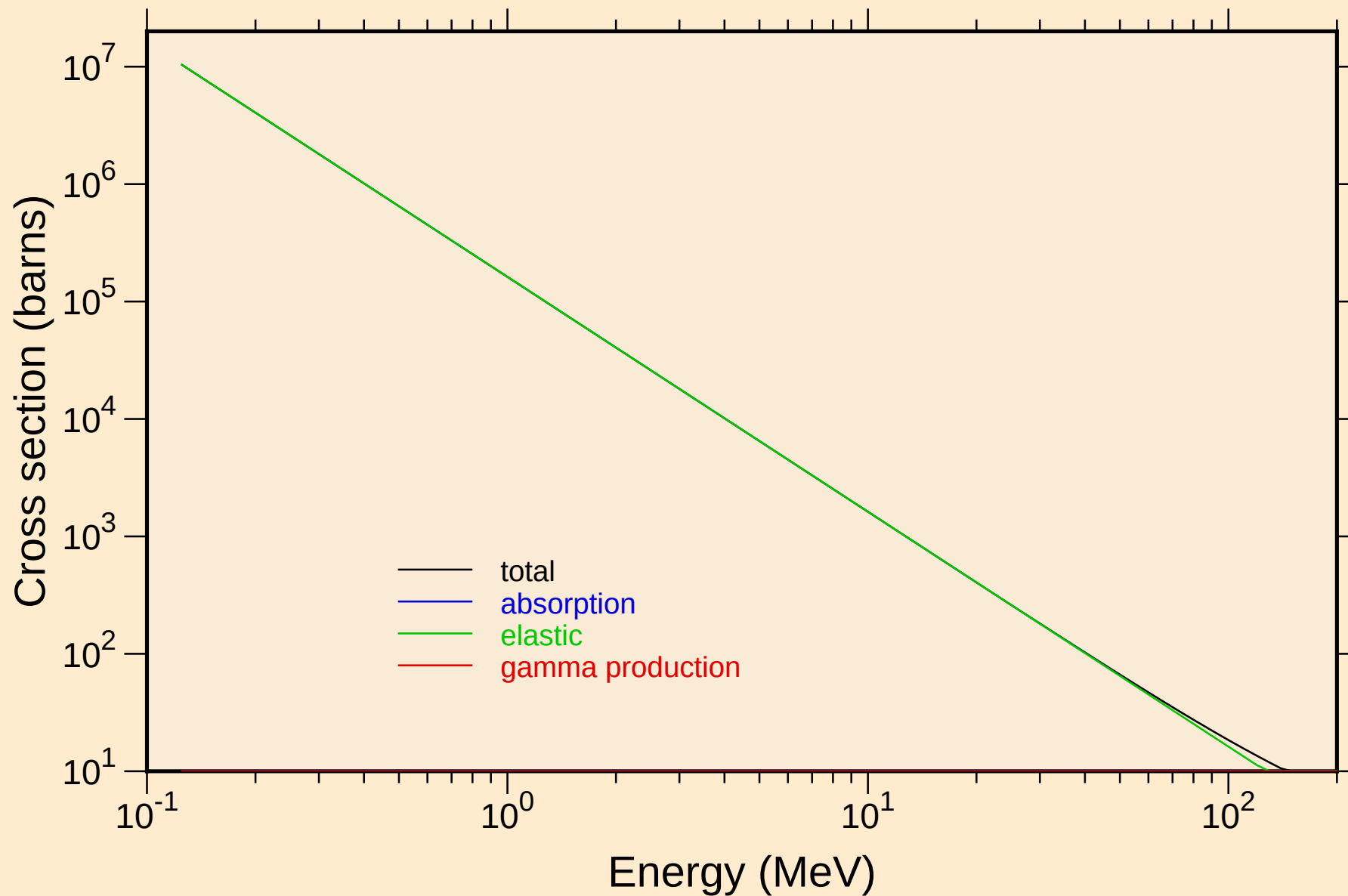


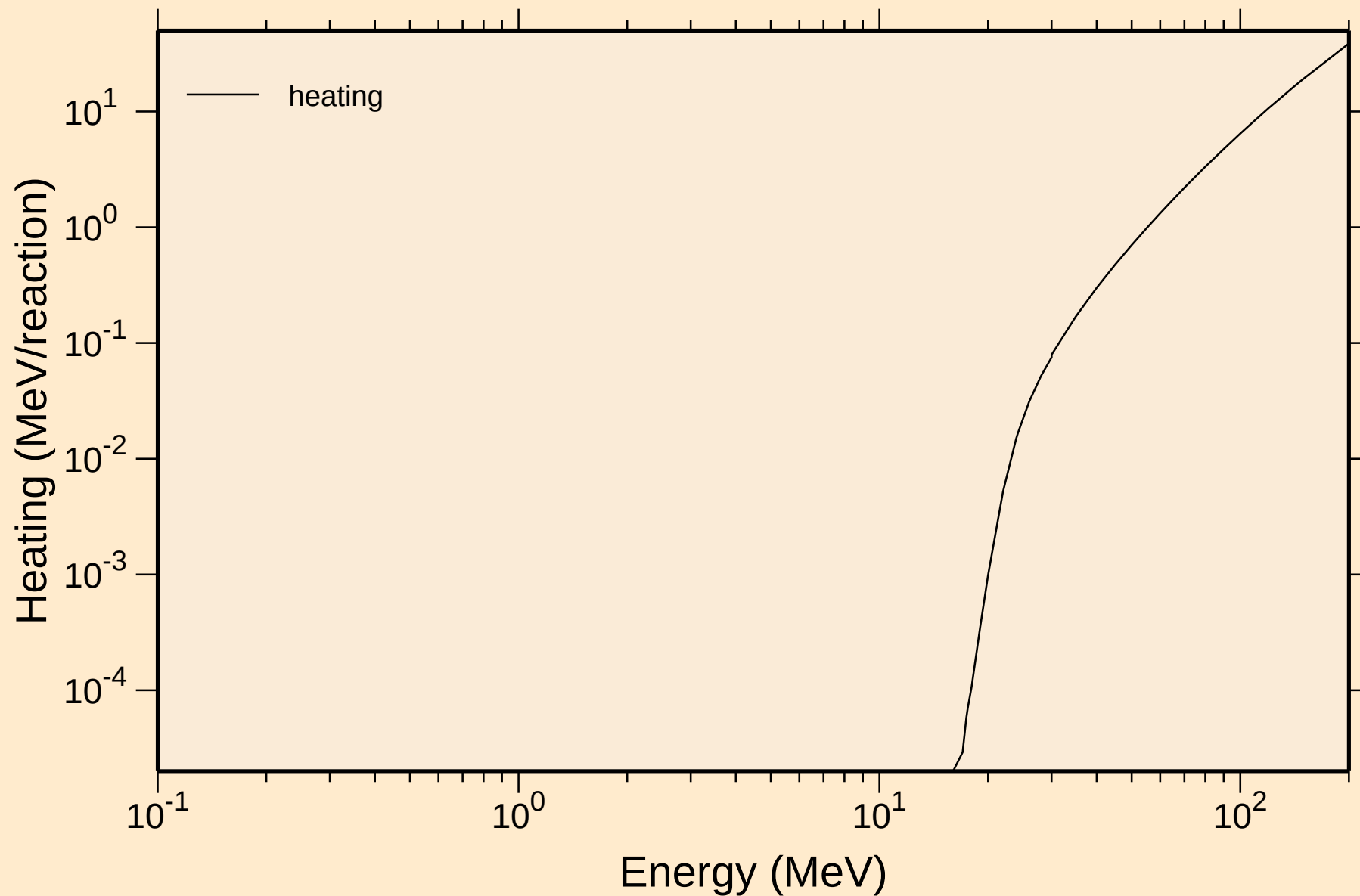
# HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



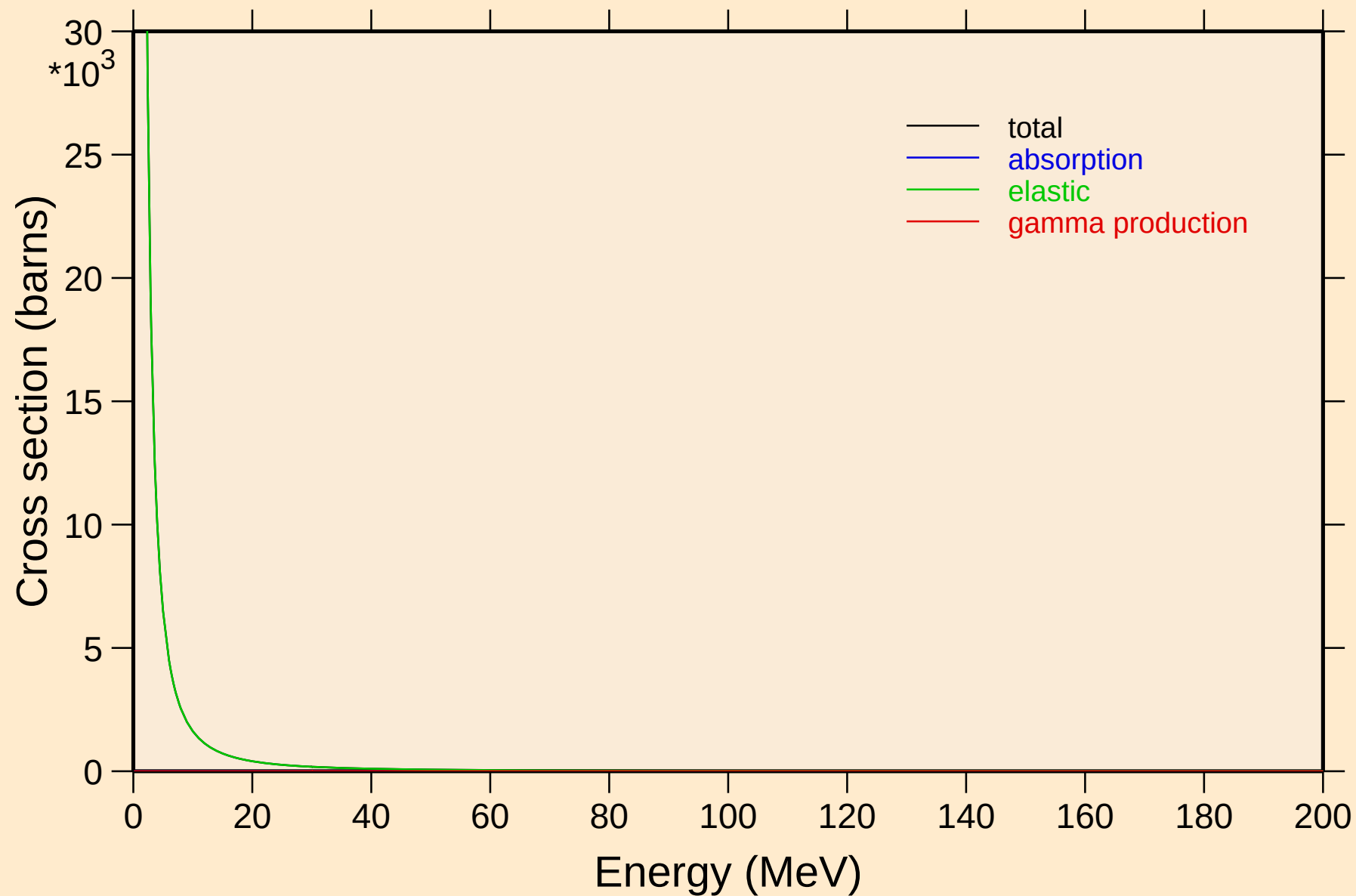
# HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K

Heating



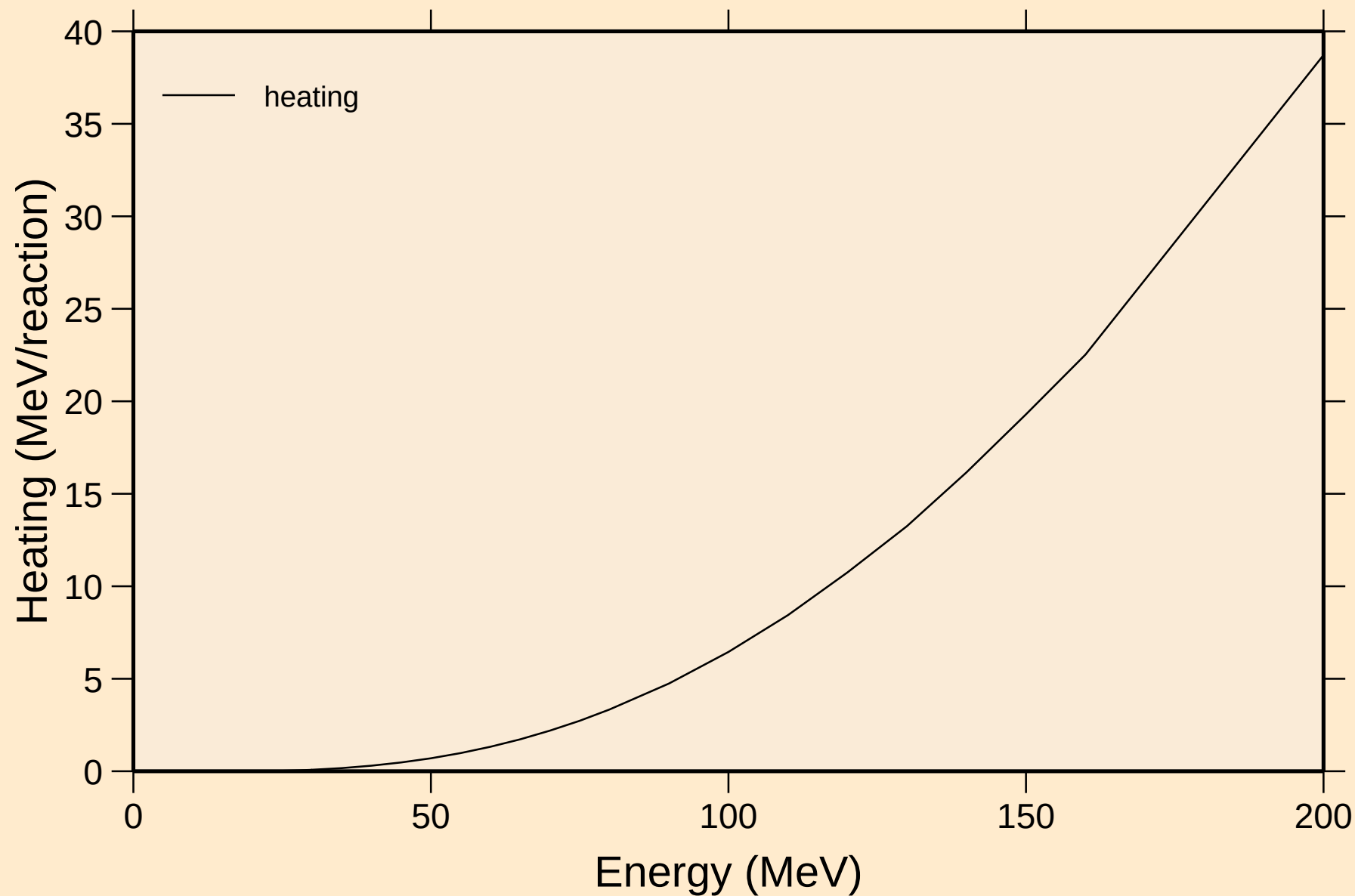
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## Principal cross sections



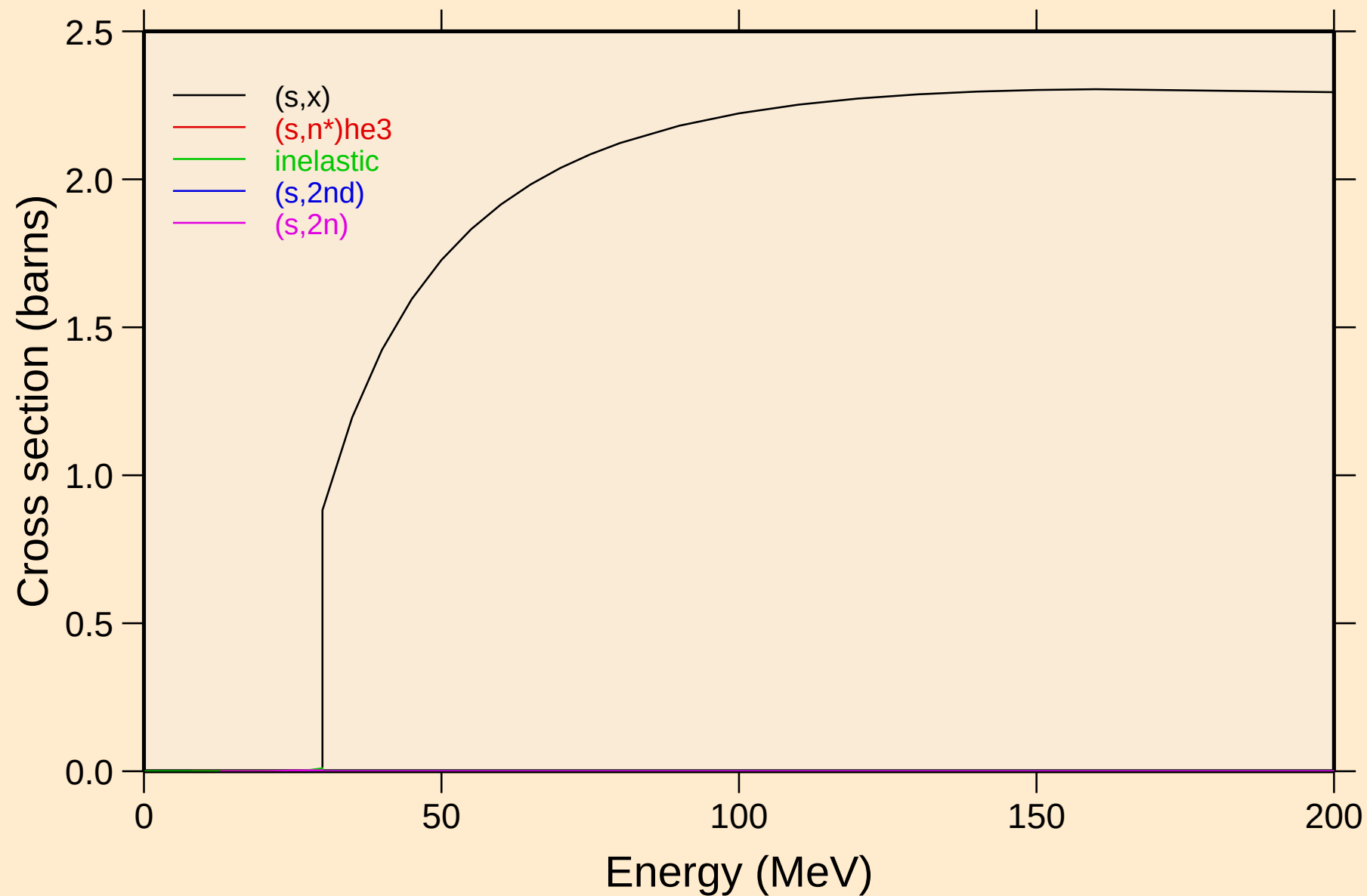
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Heating



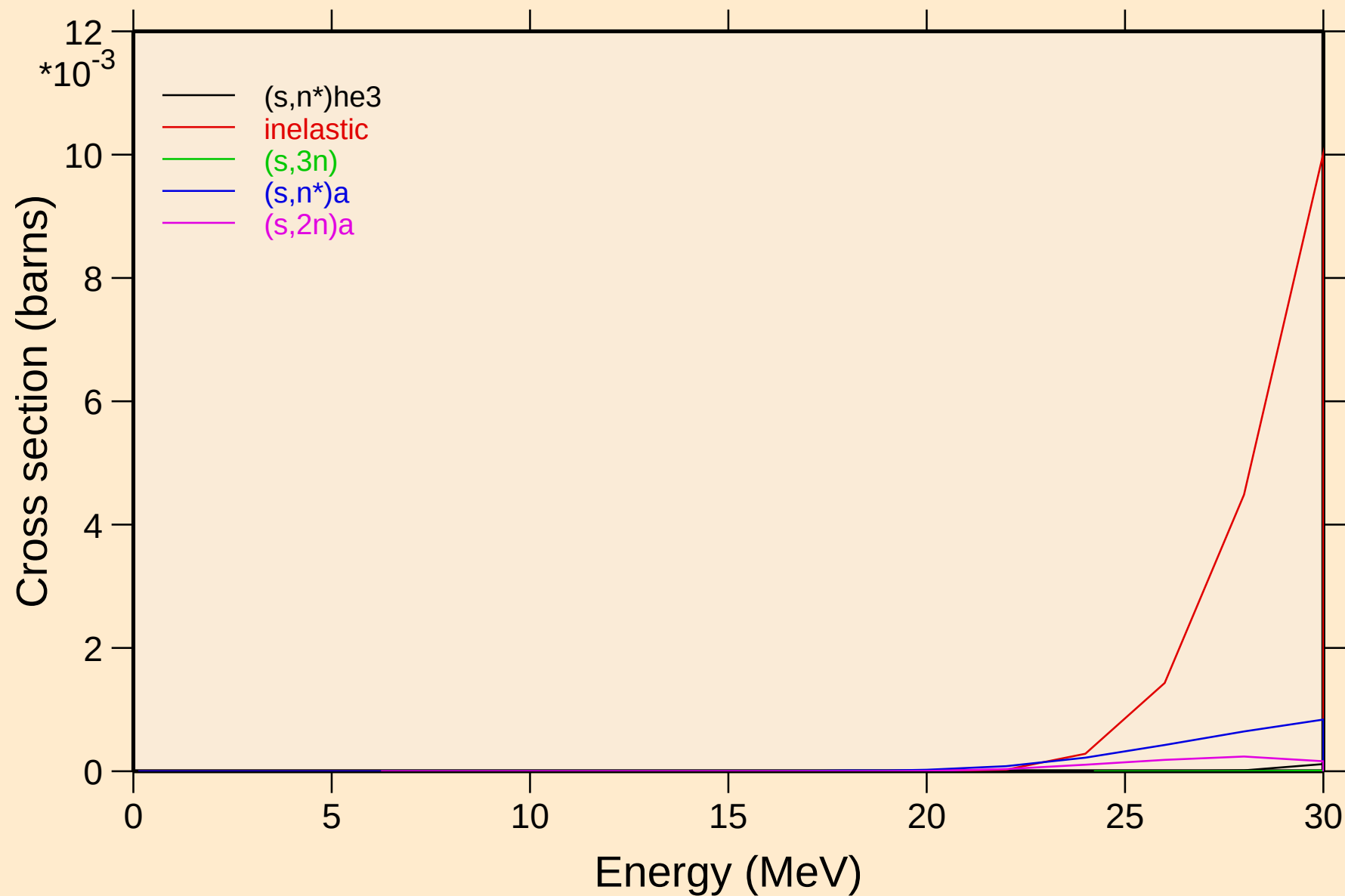
# HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K

Threshold reactions



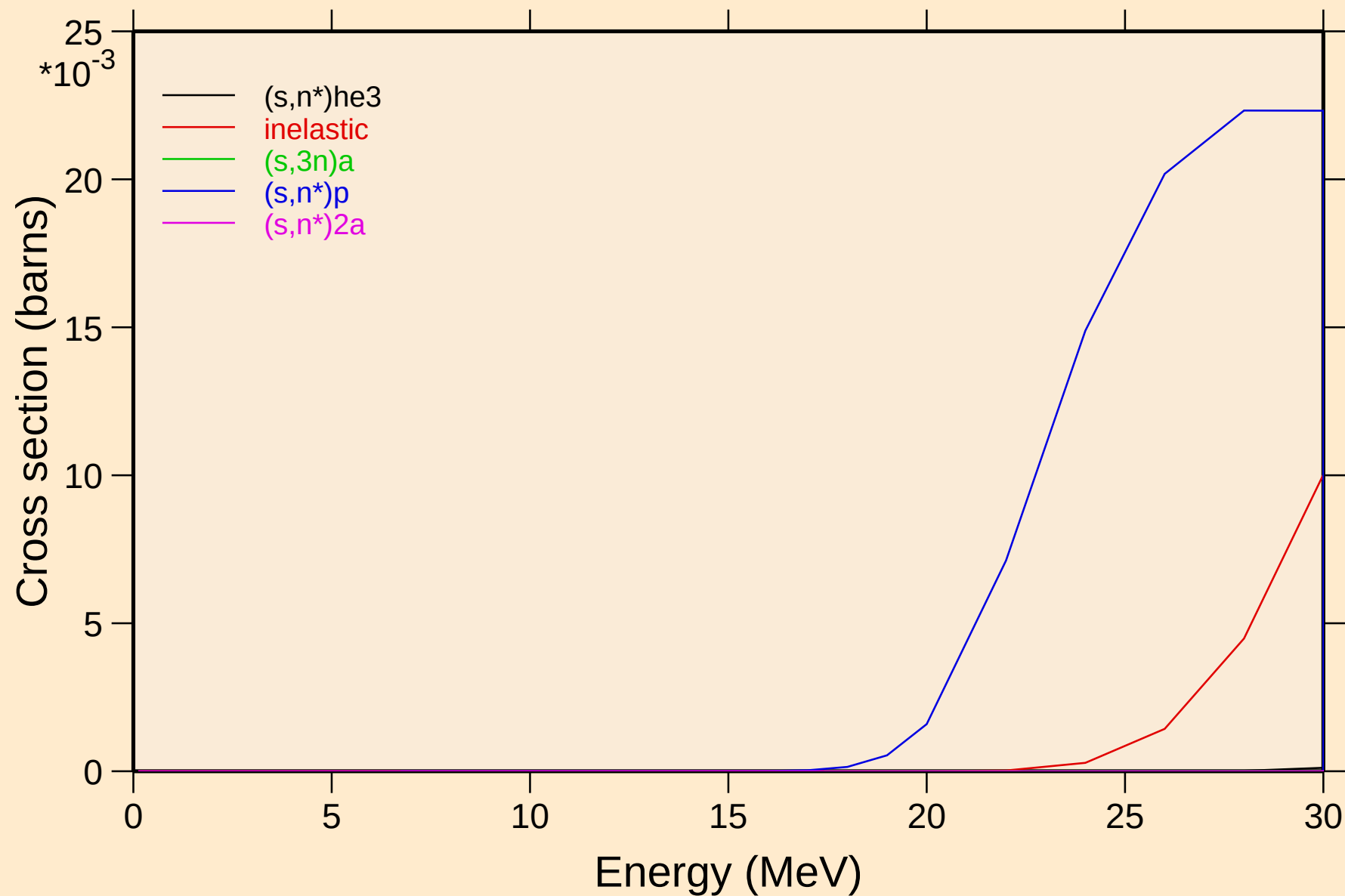
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## Threshold reactions



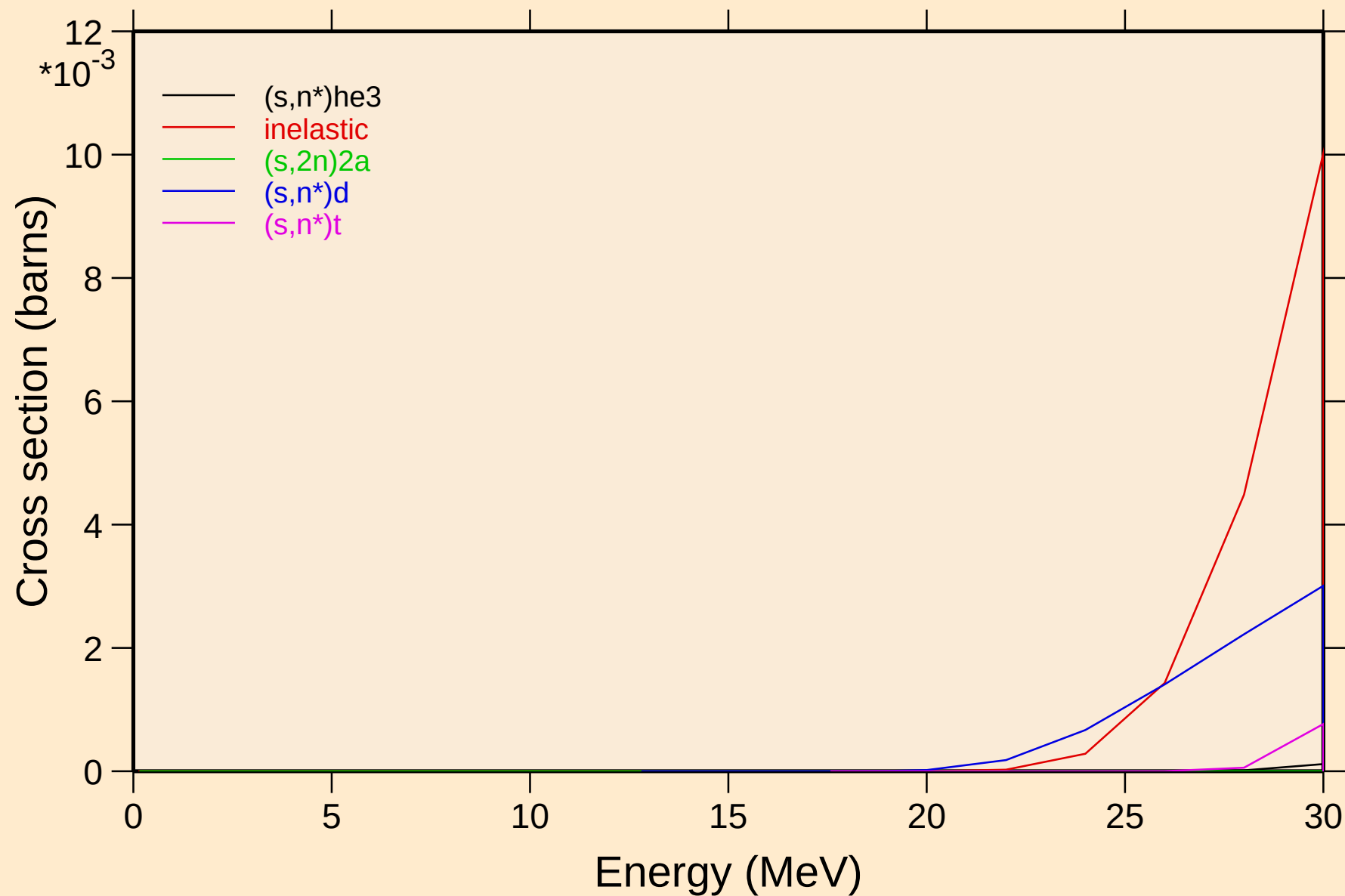
# HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



# HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K

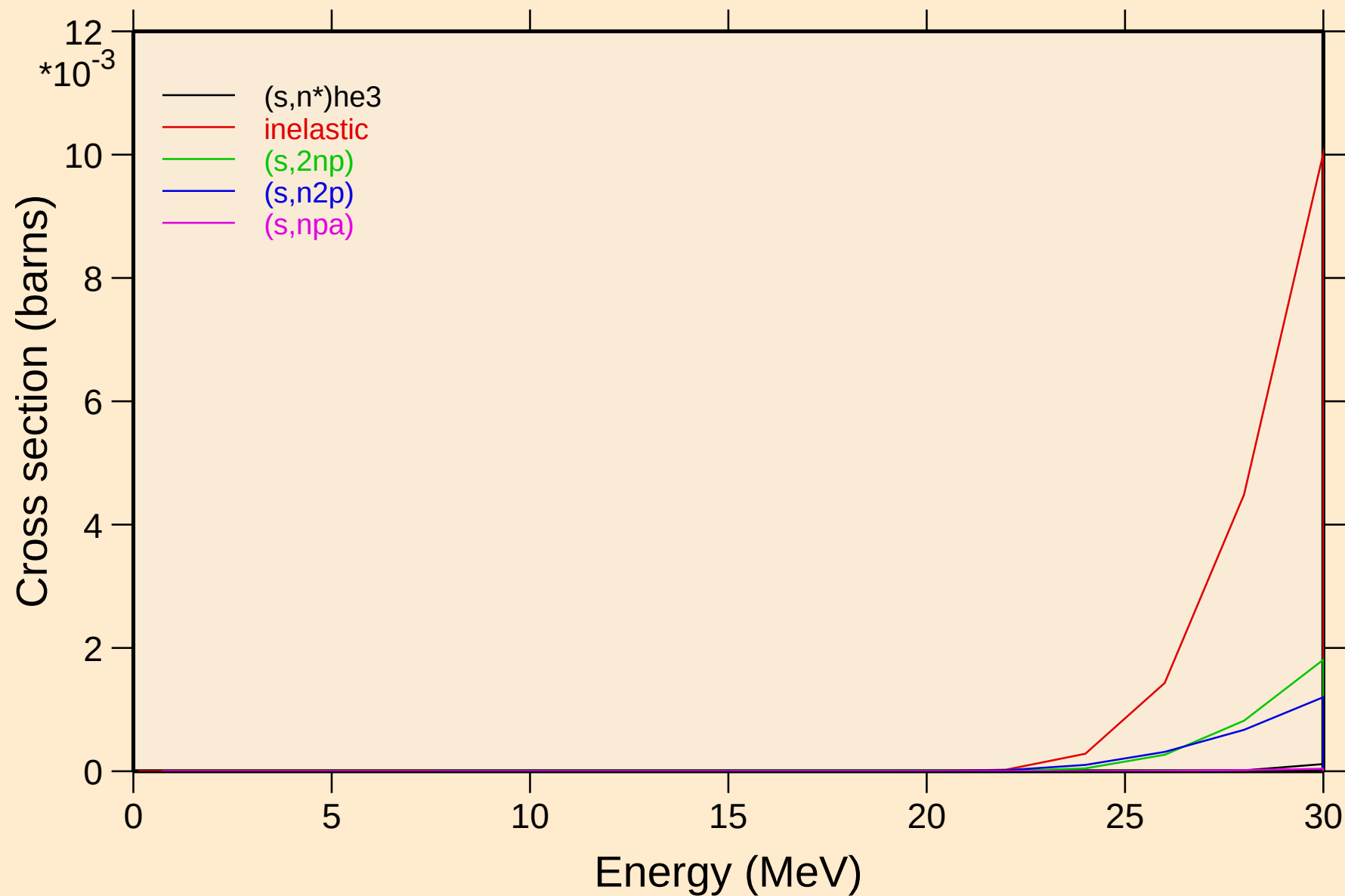
## Threshold reactions





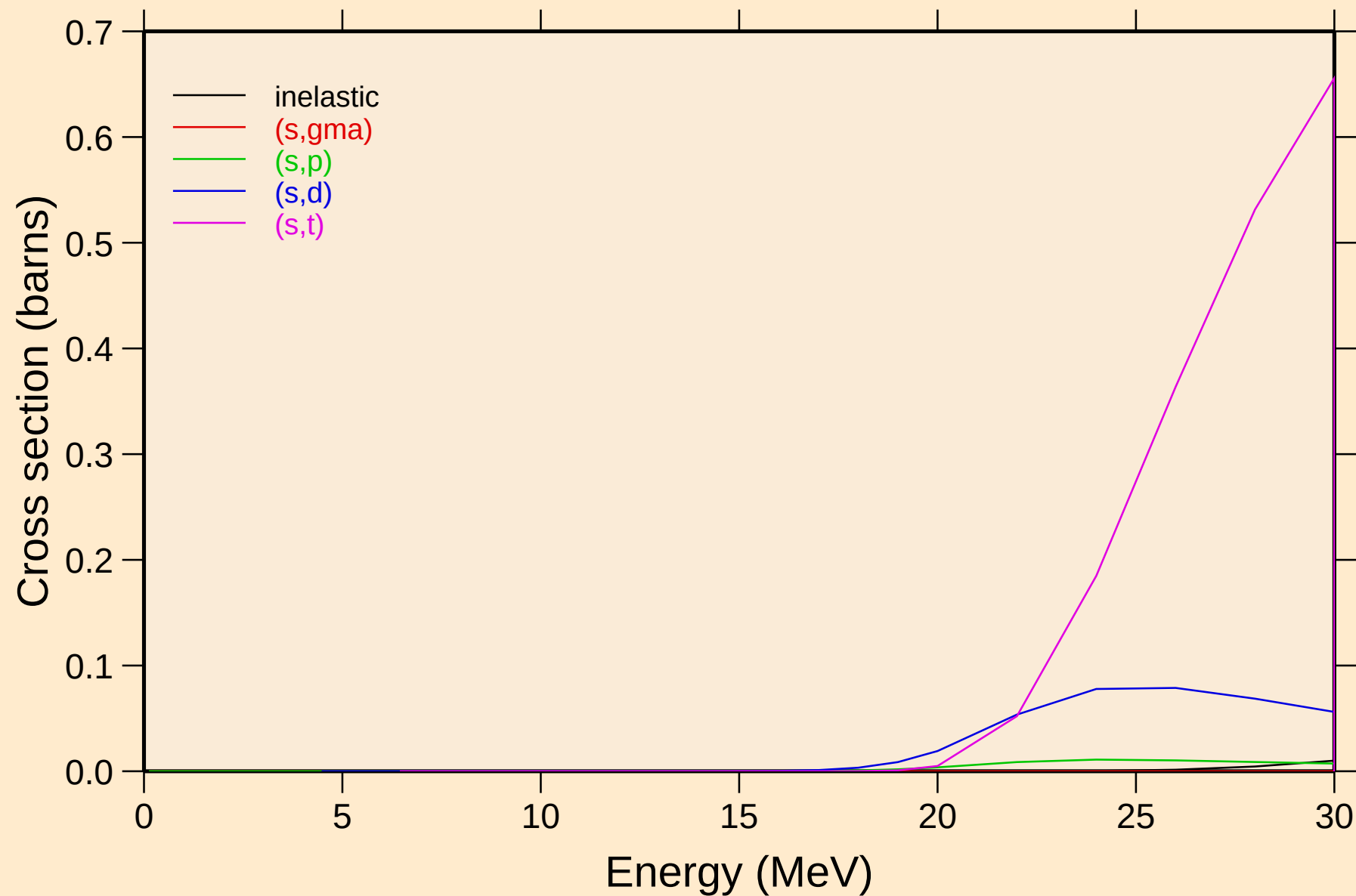
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## Threshold reactions



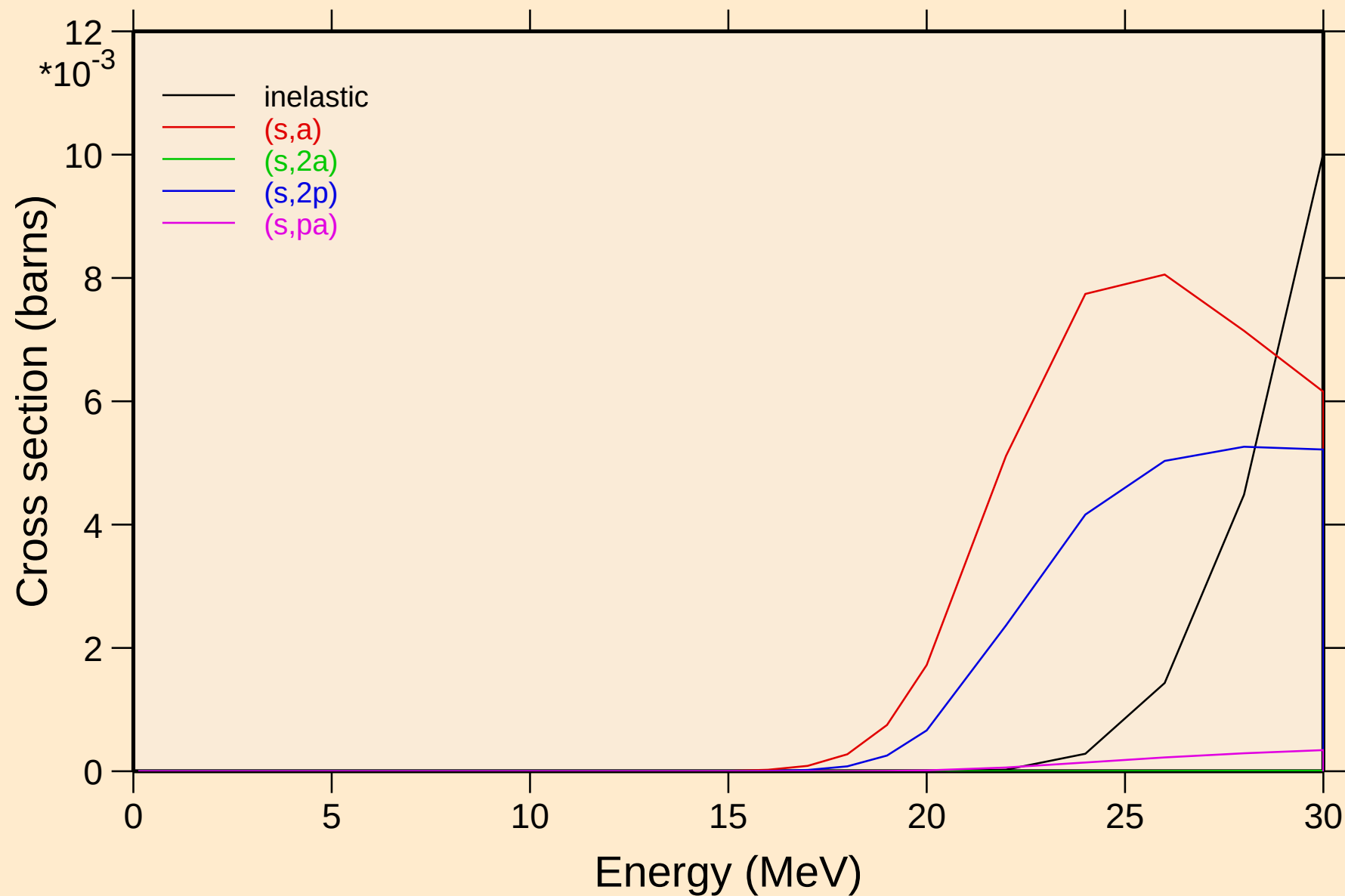
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## Threshold reactions



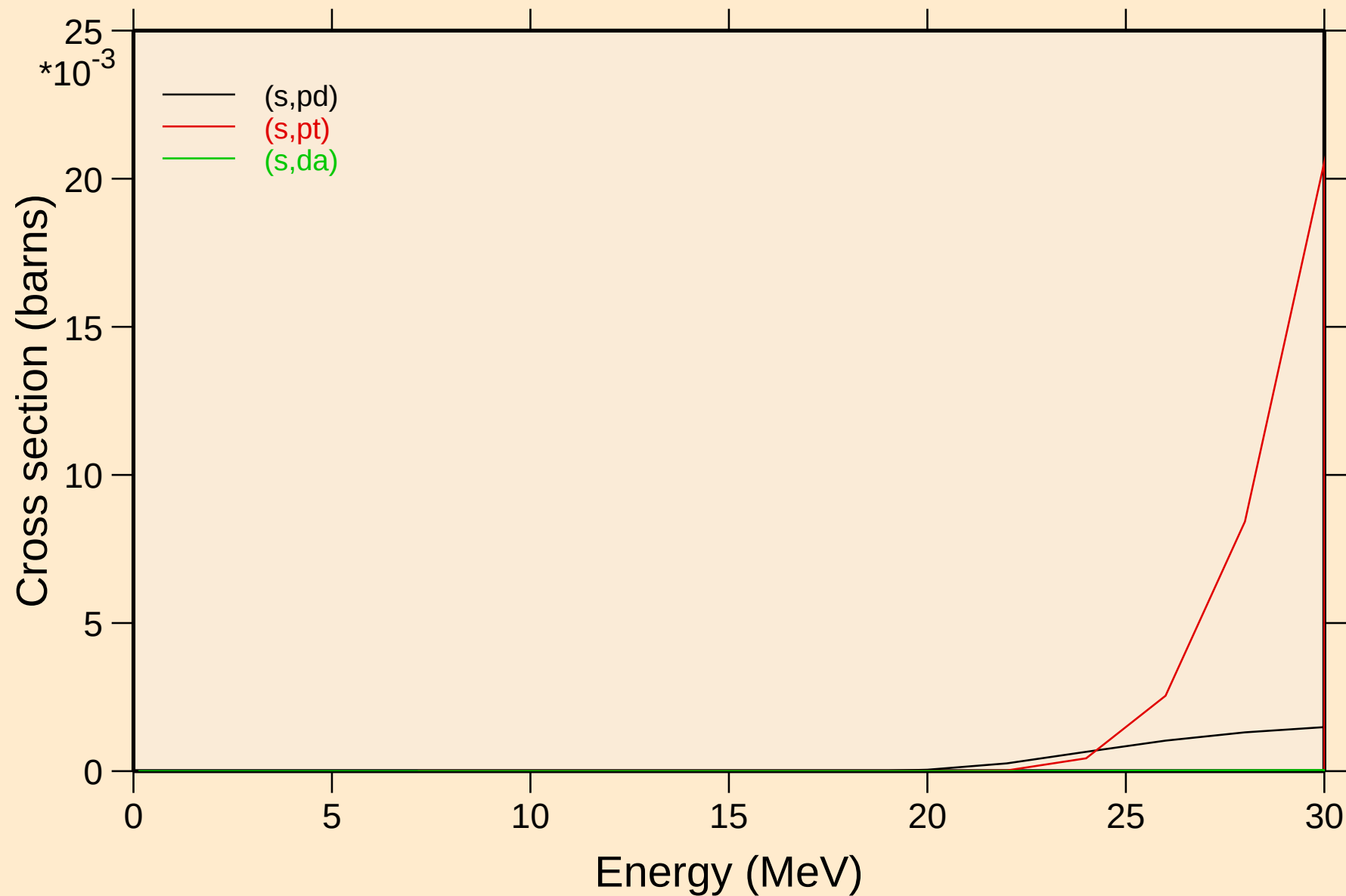
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## Threshold reactions

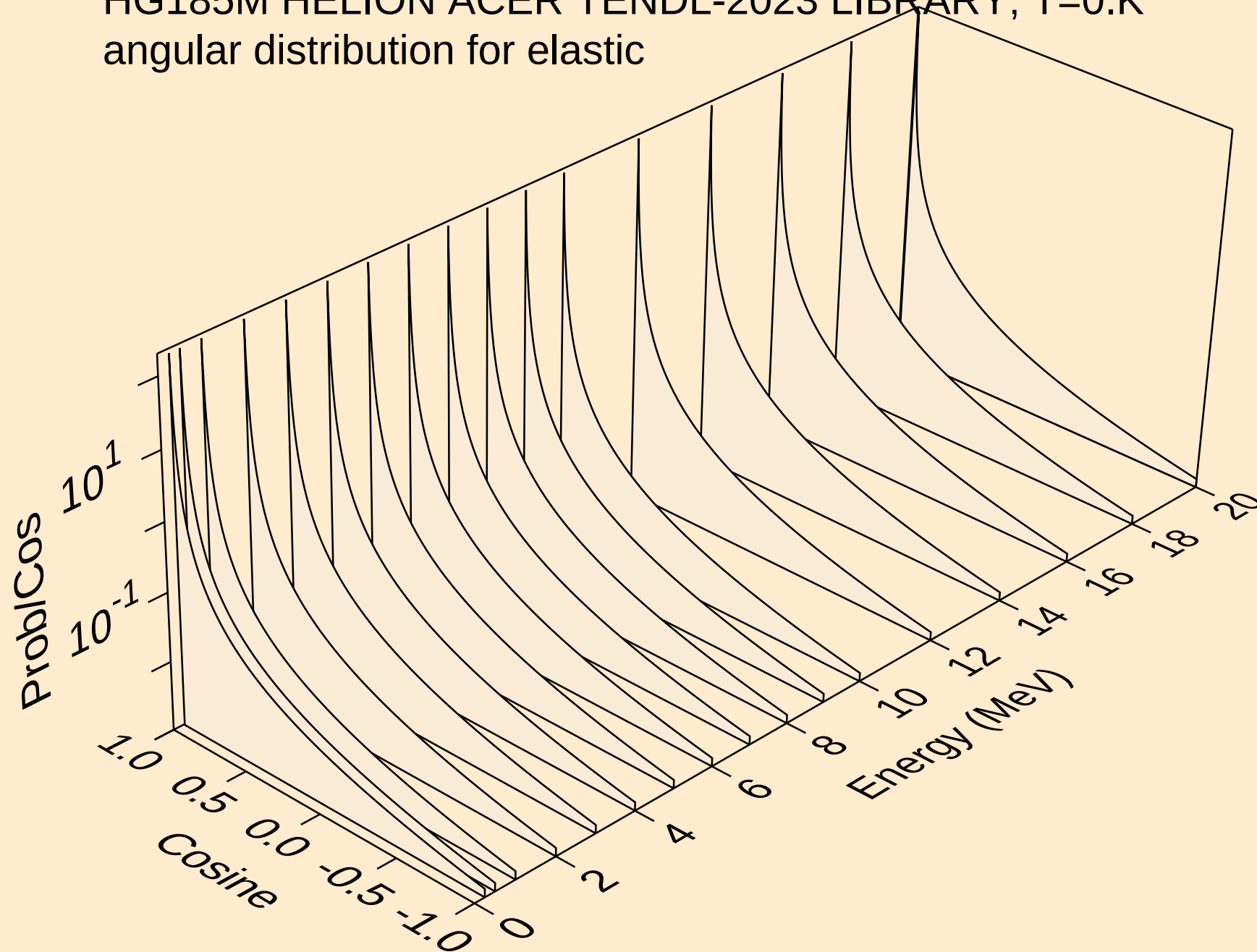


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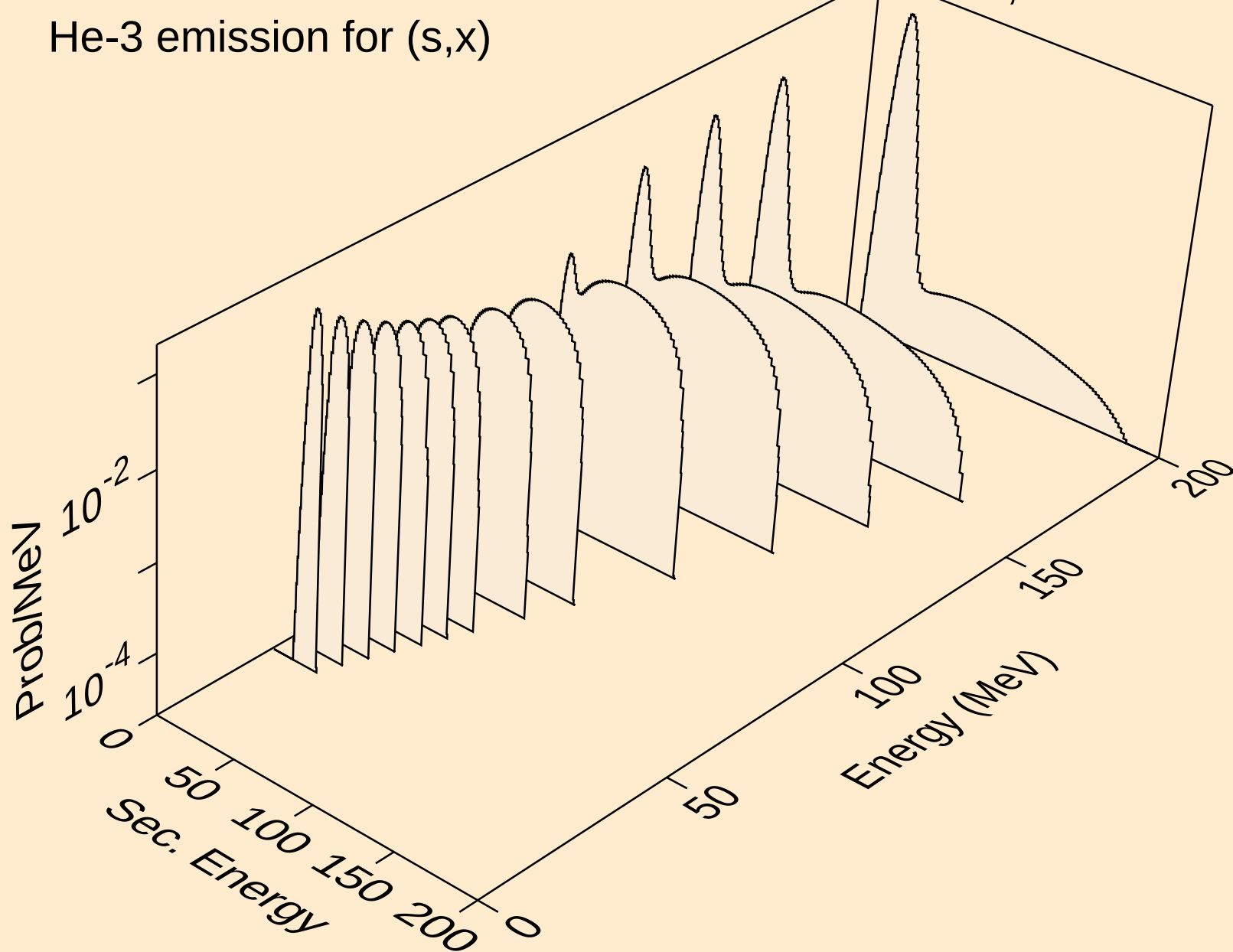
## Threshold reactions



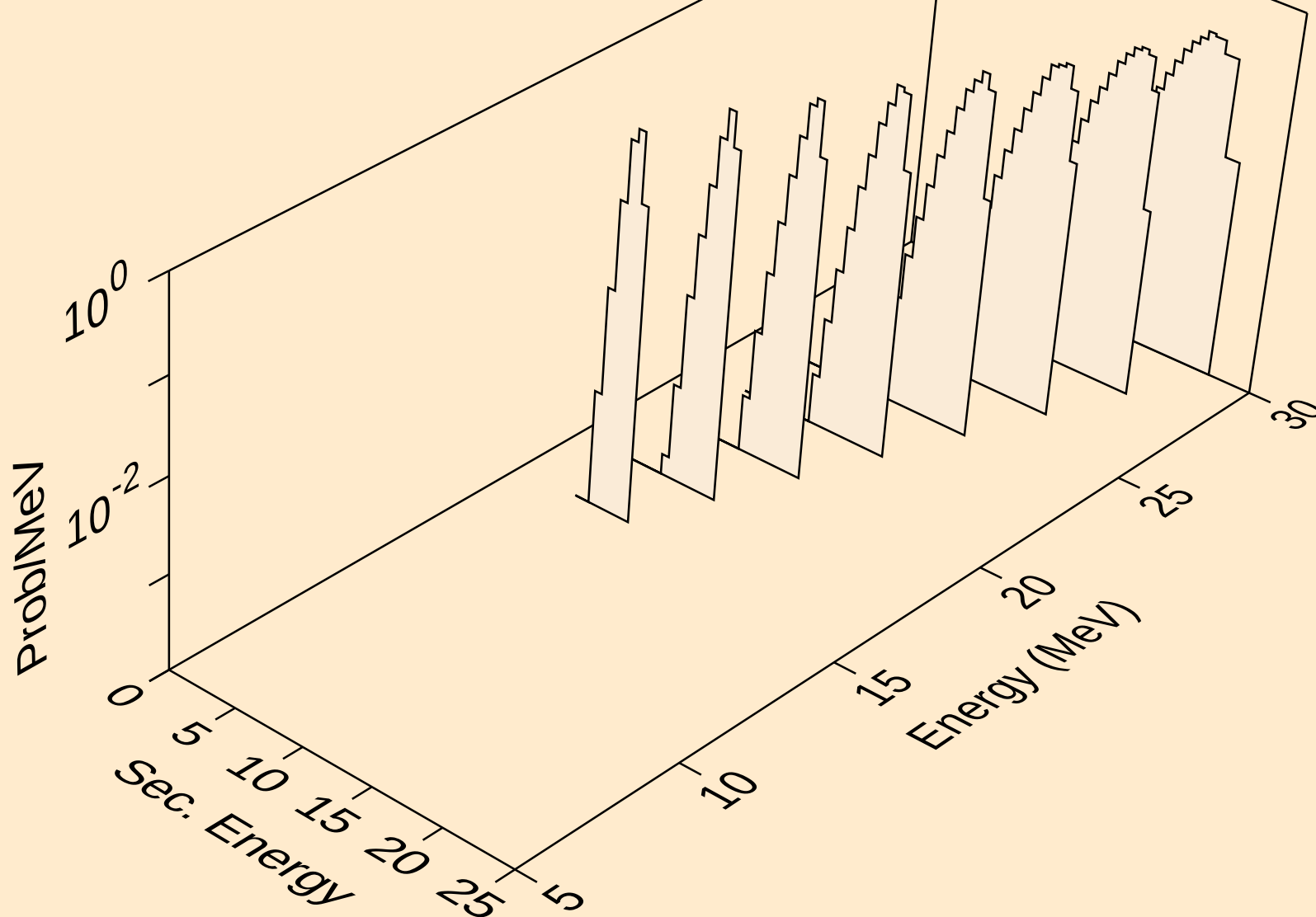
HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



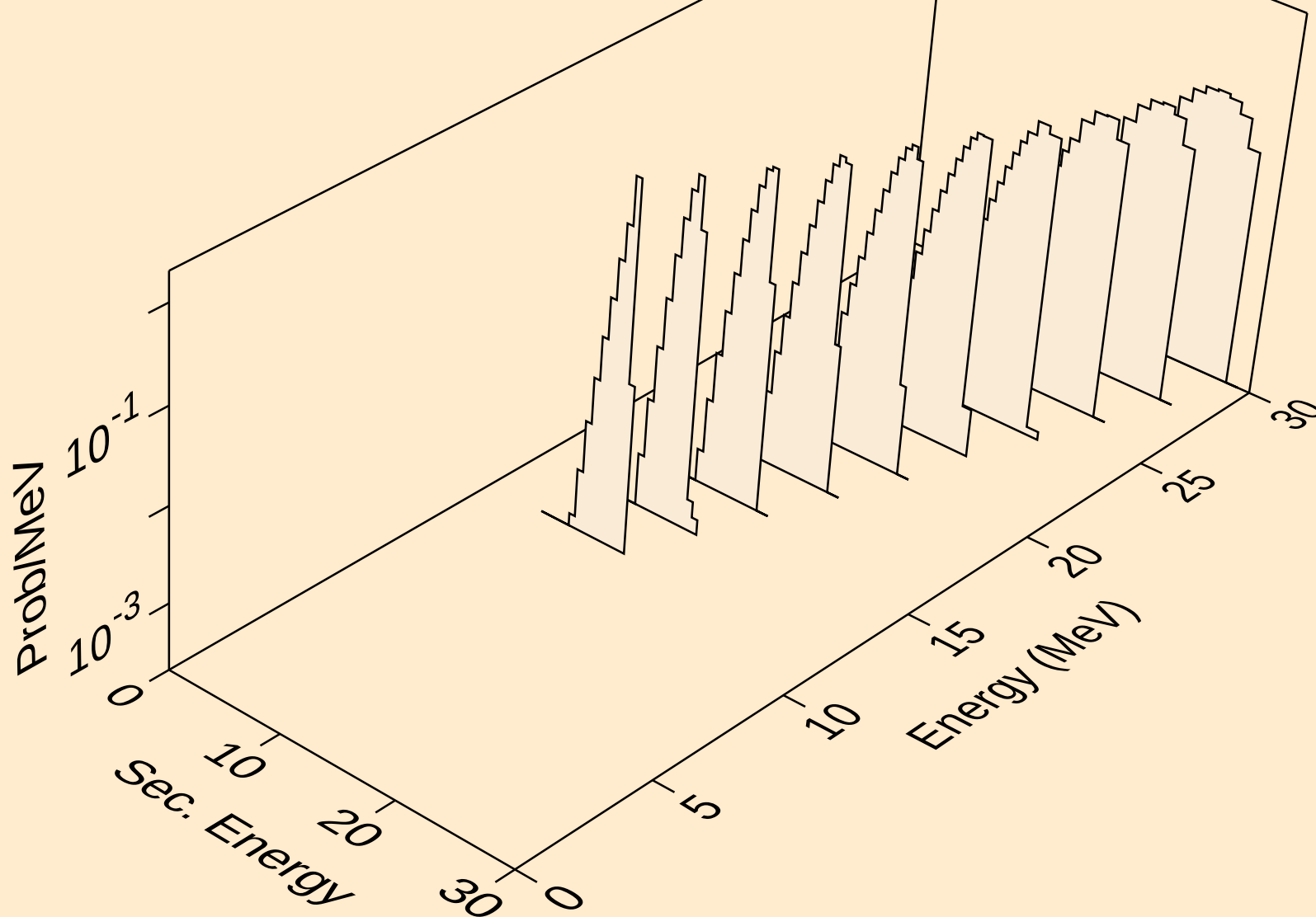
HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)



HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

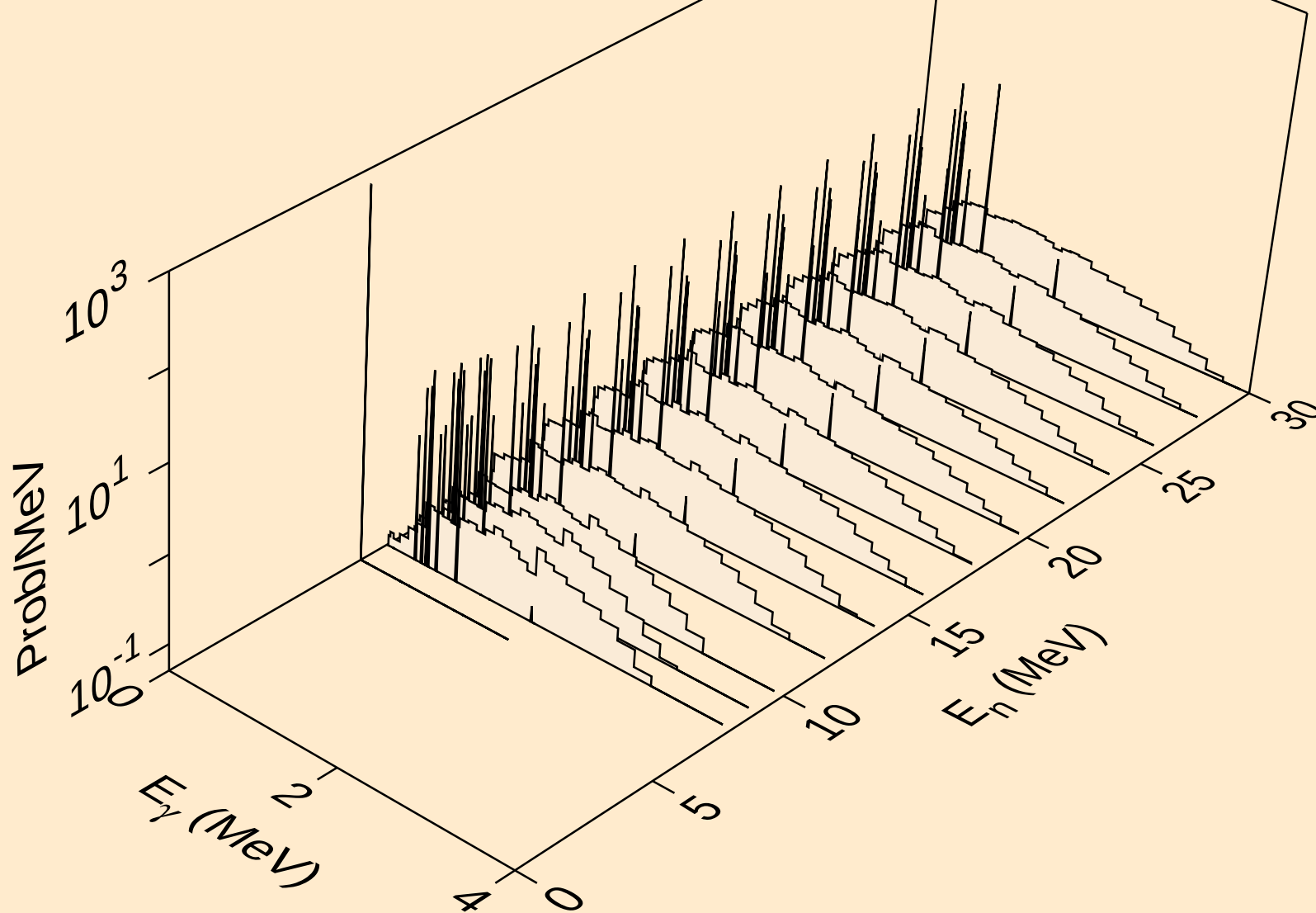


HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic



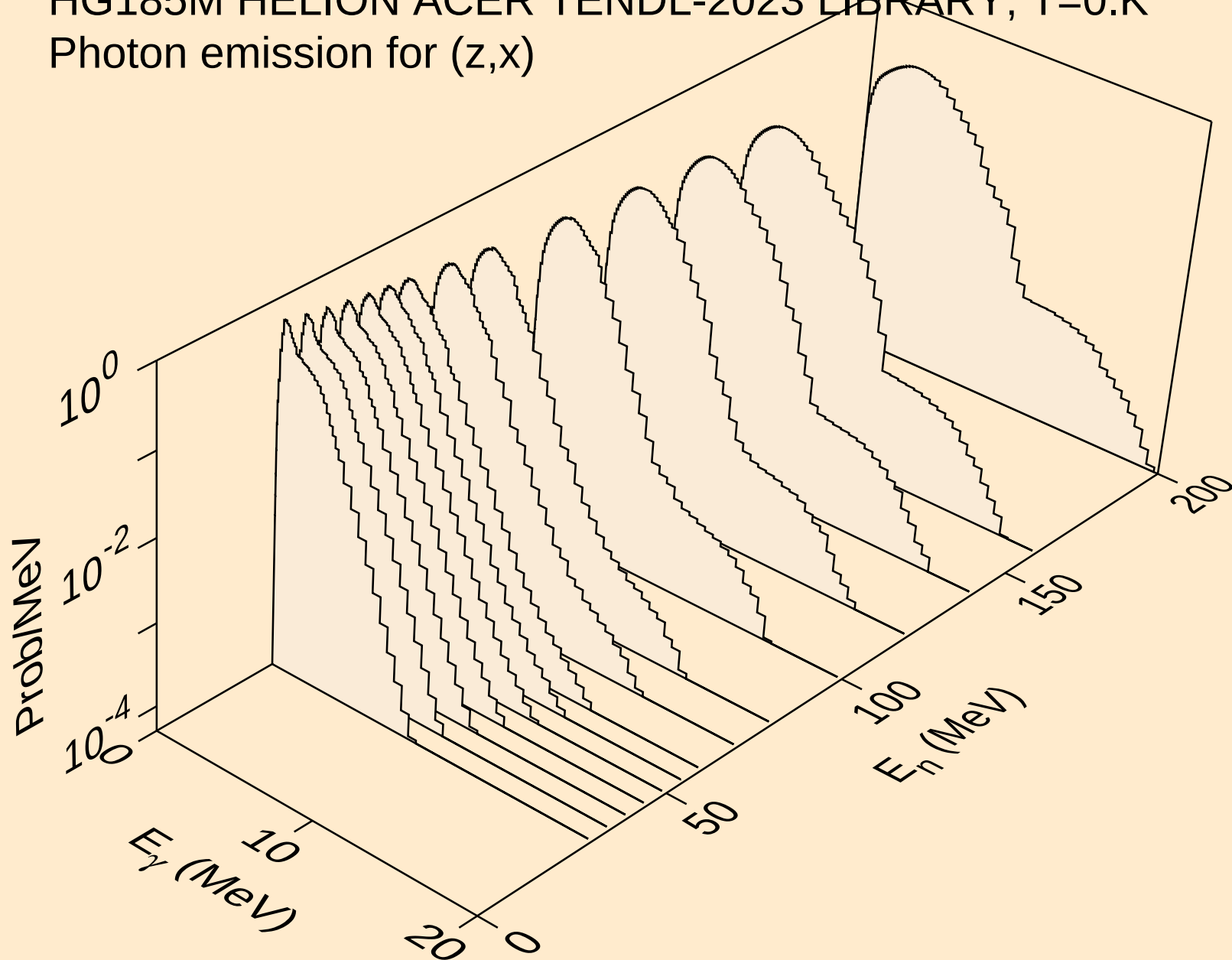


HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)

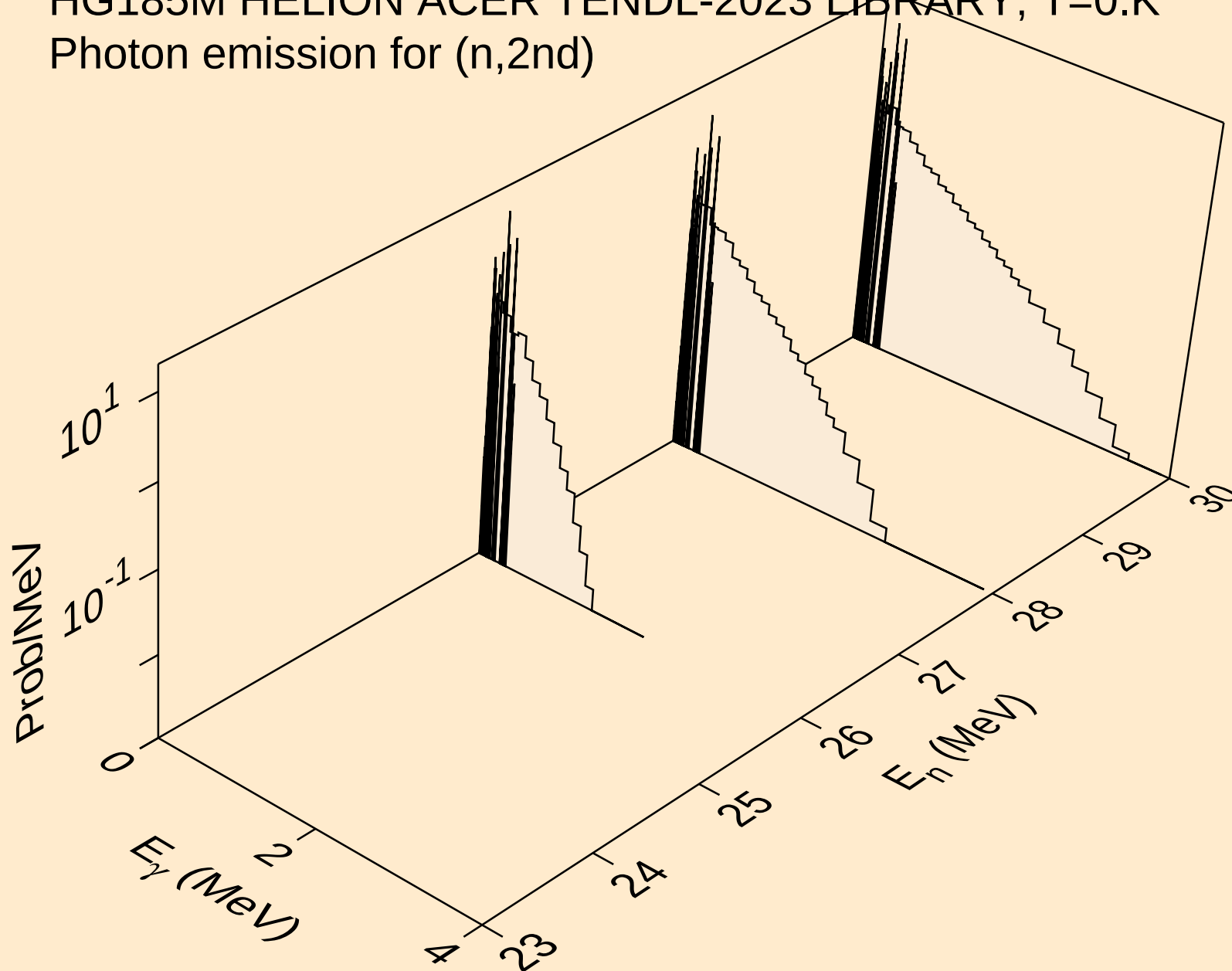


HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K

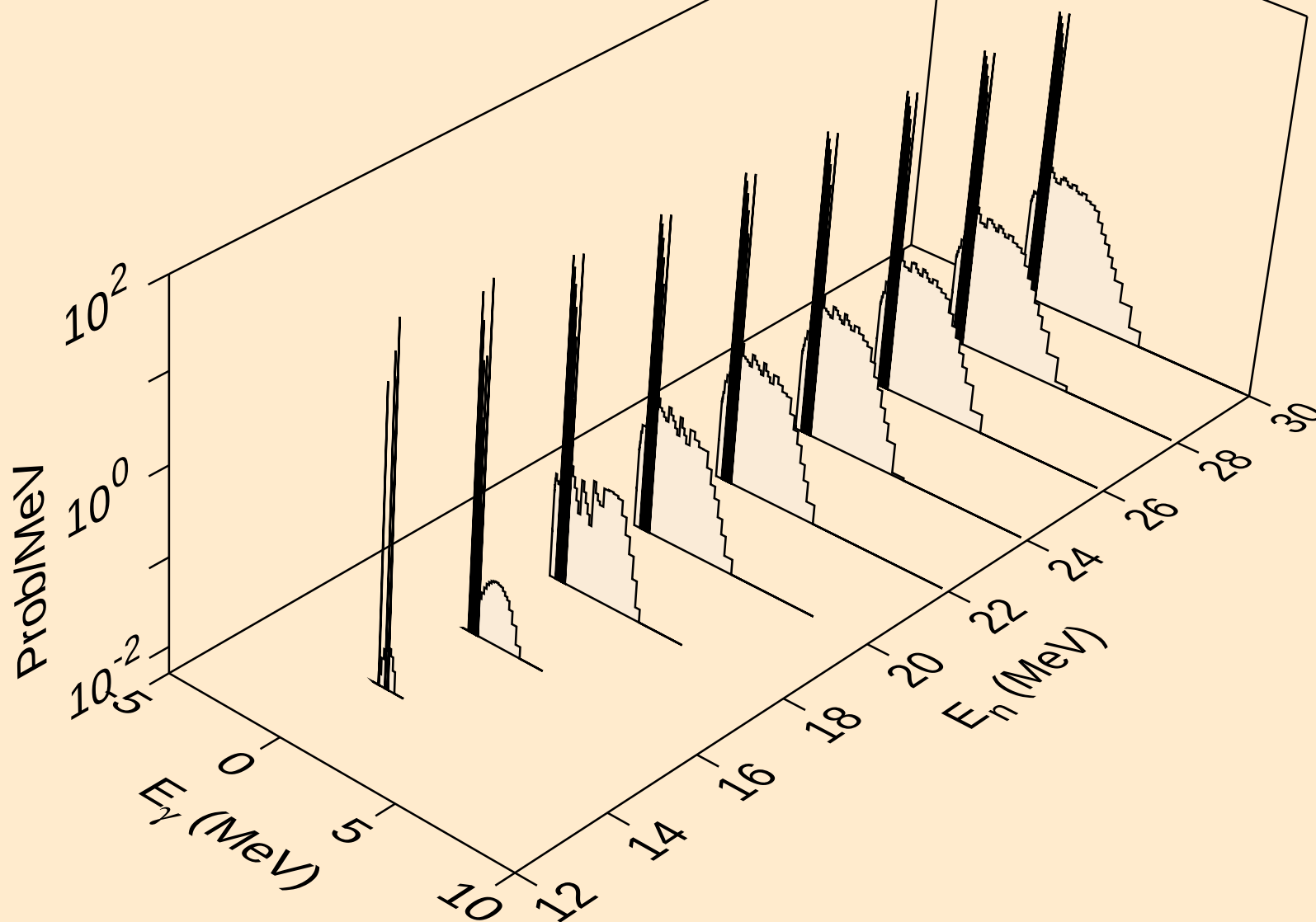
Photon emission for (z,x)



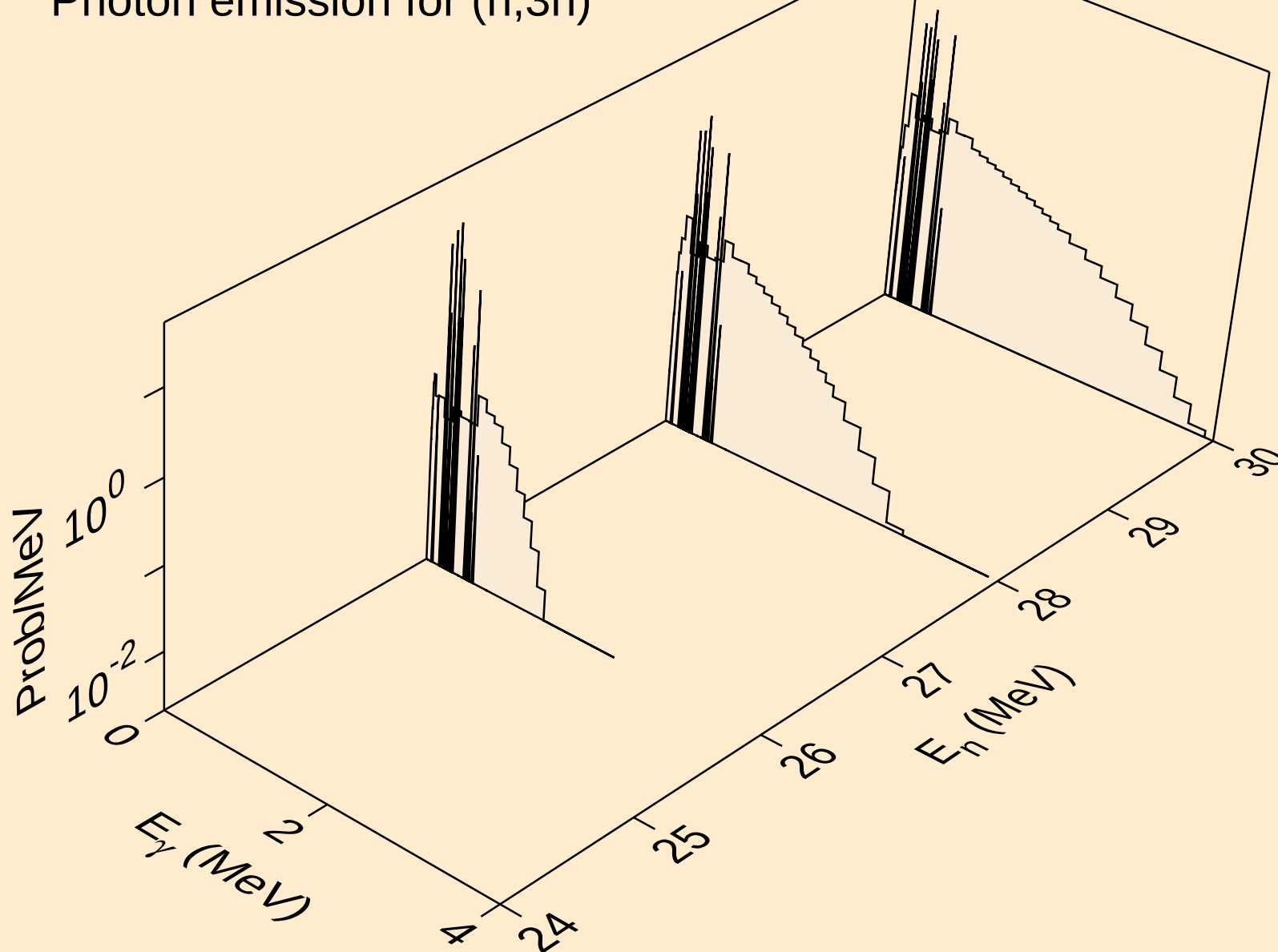
HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

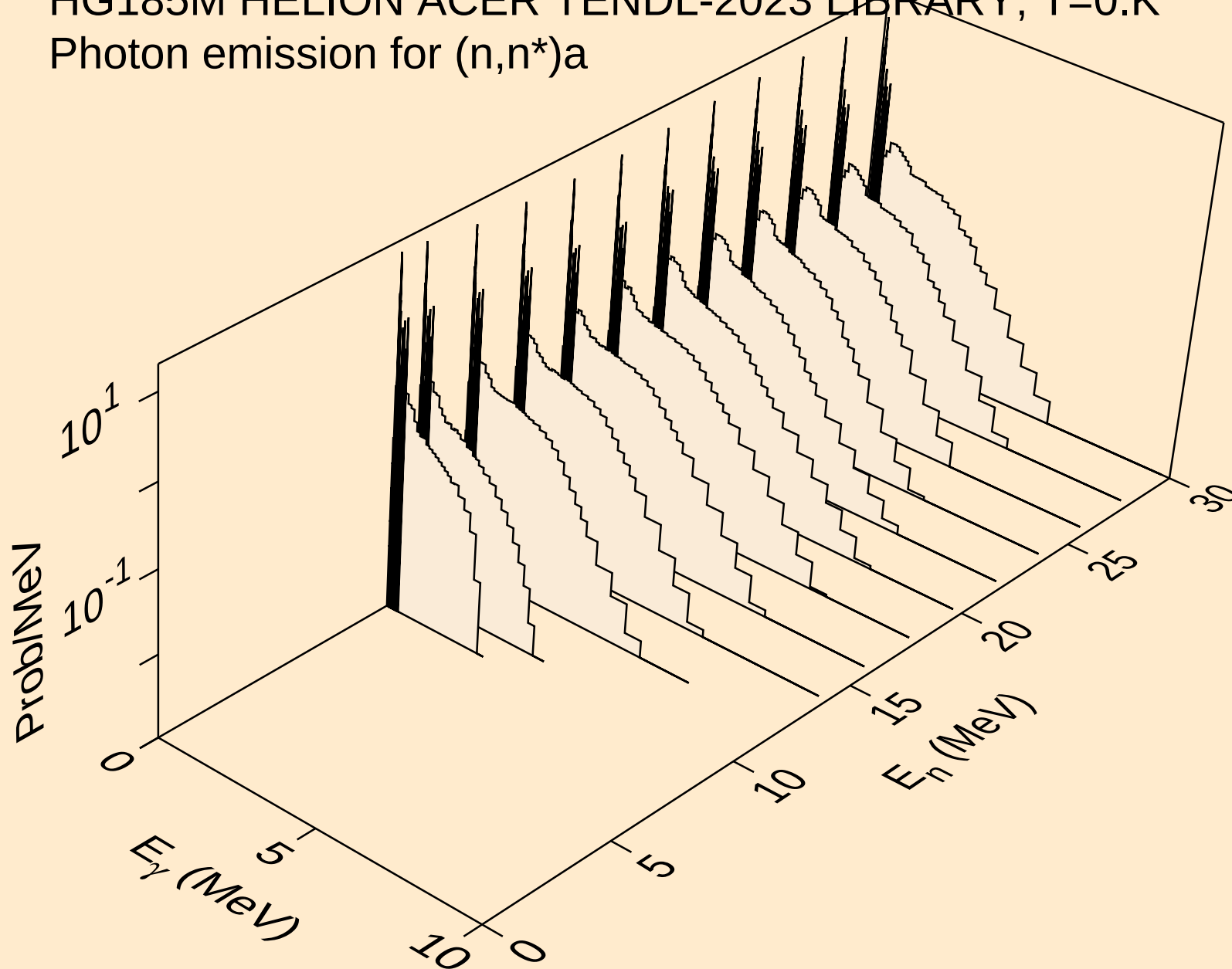


HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)

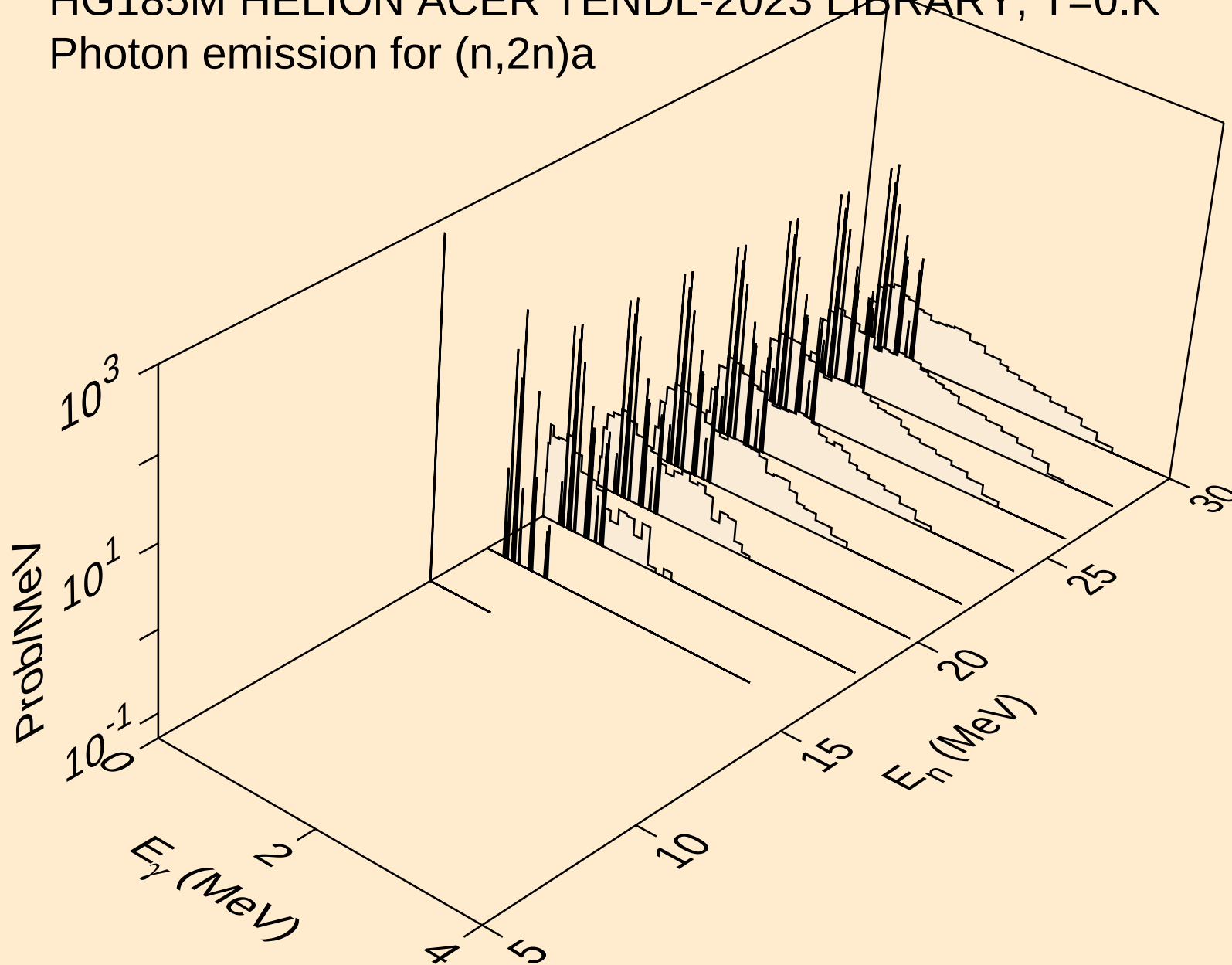


HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)a

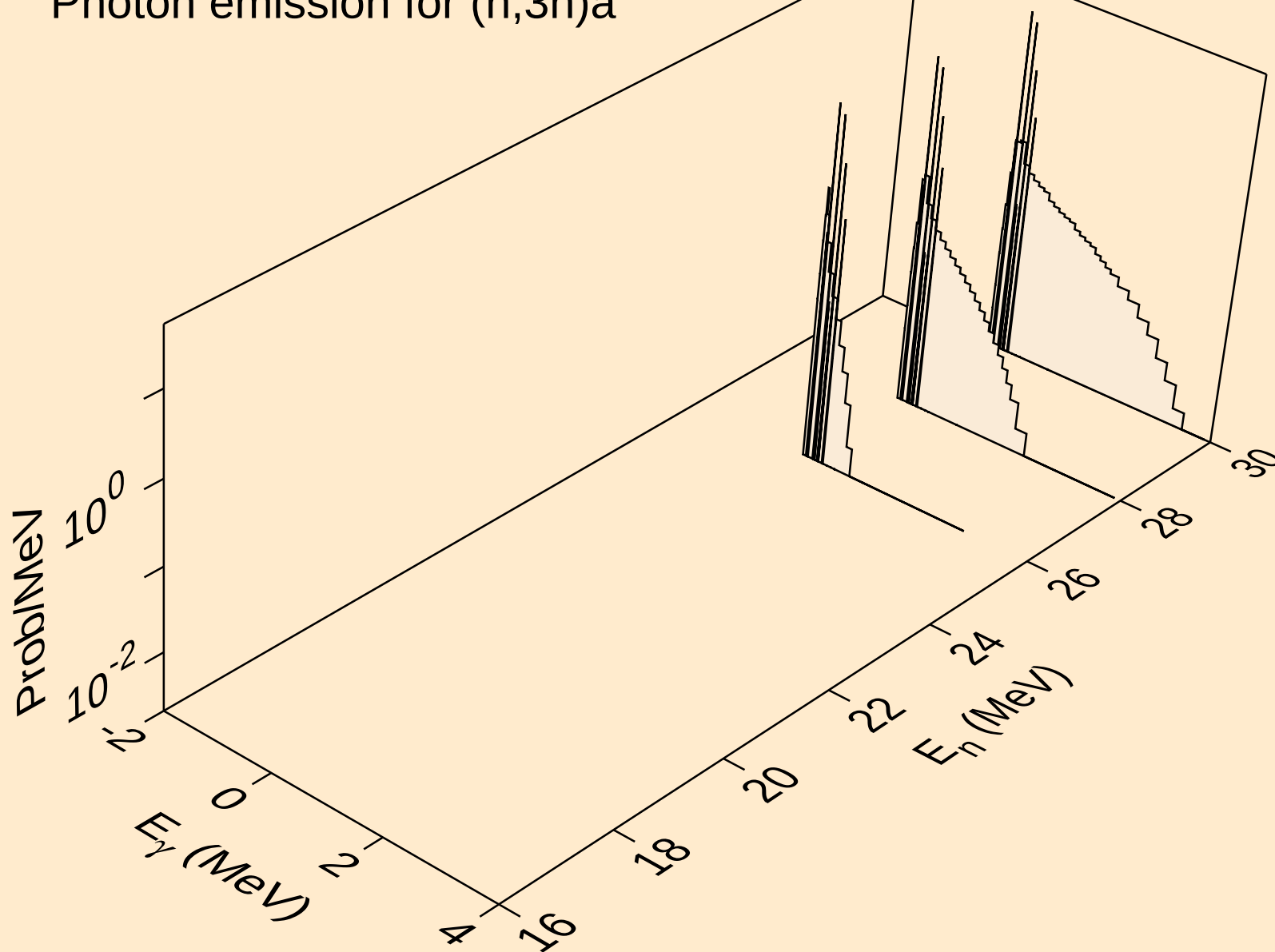


HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n) $\alpha$



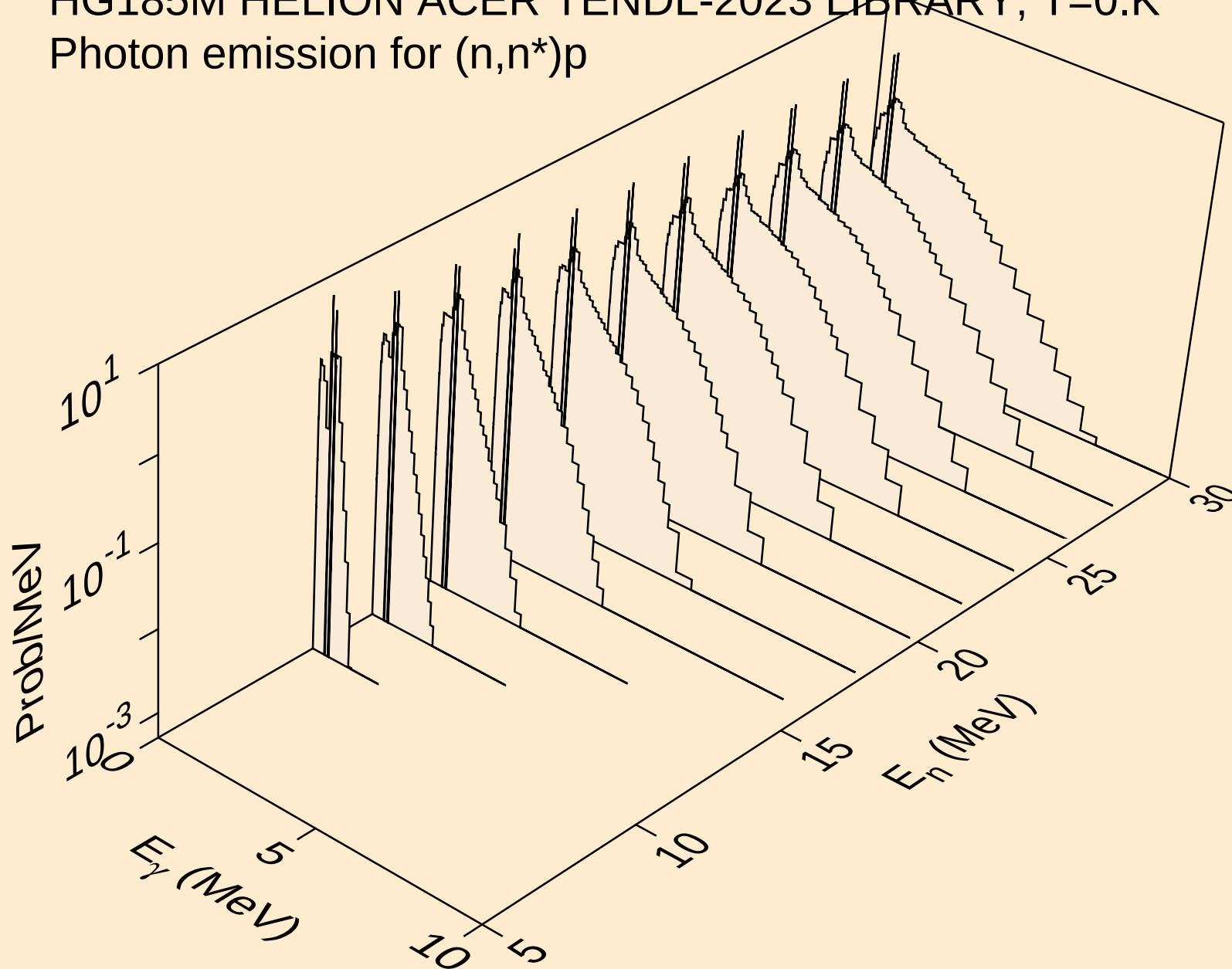
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Photon emission for (n,3n)a

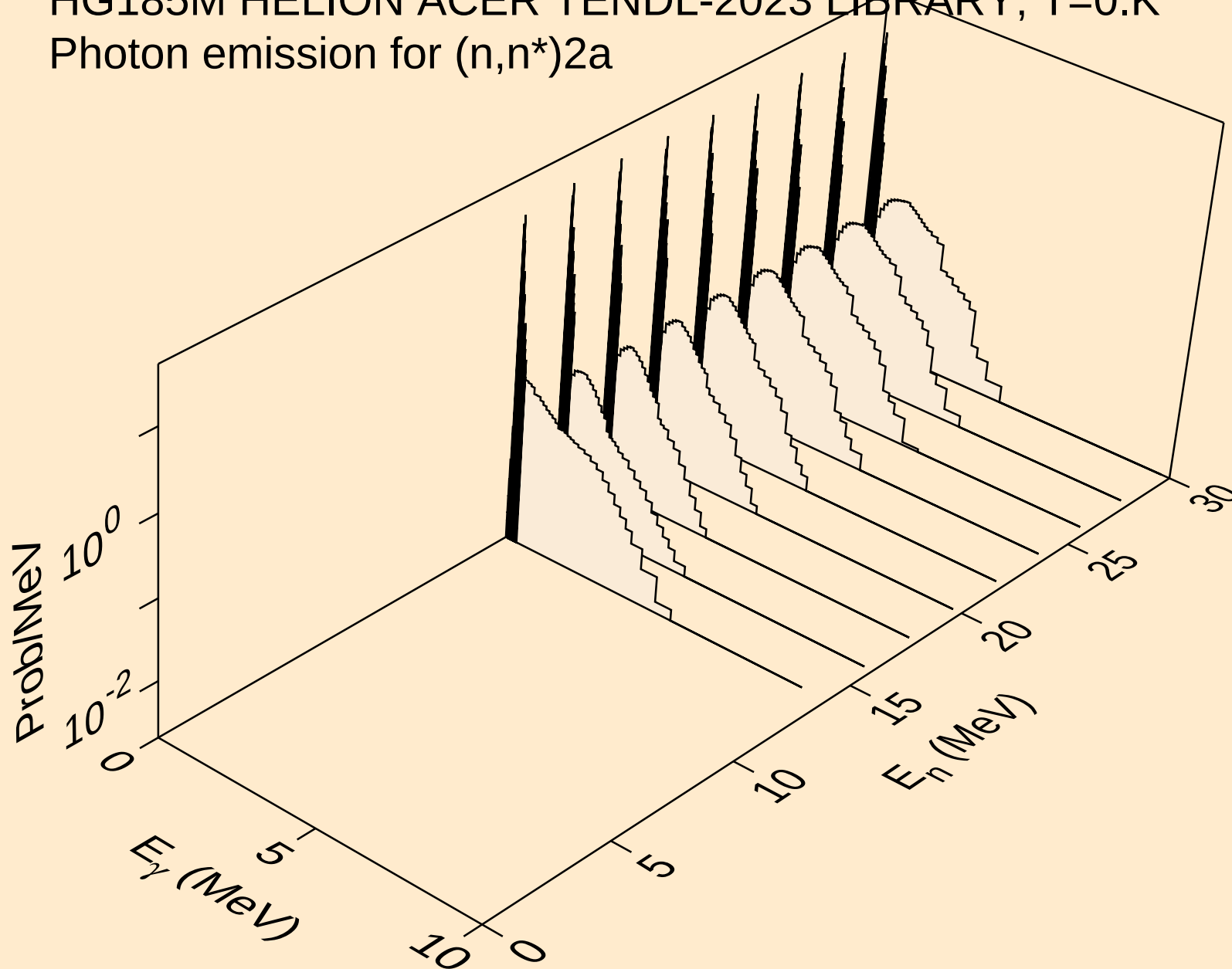




HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

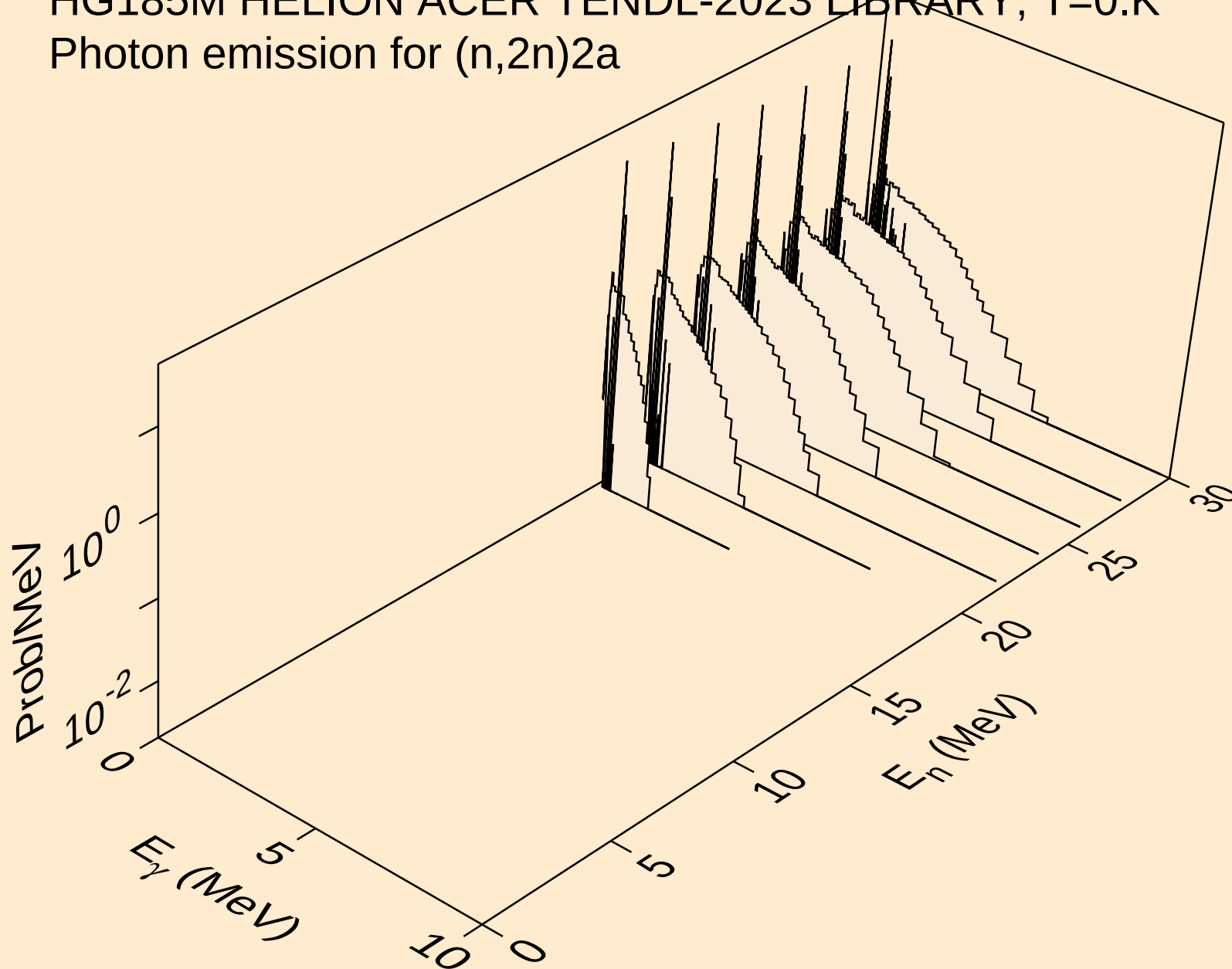


HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

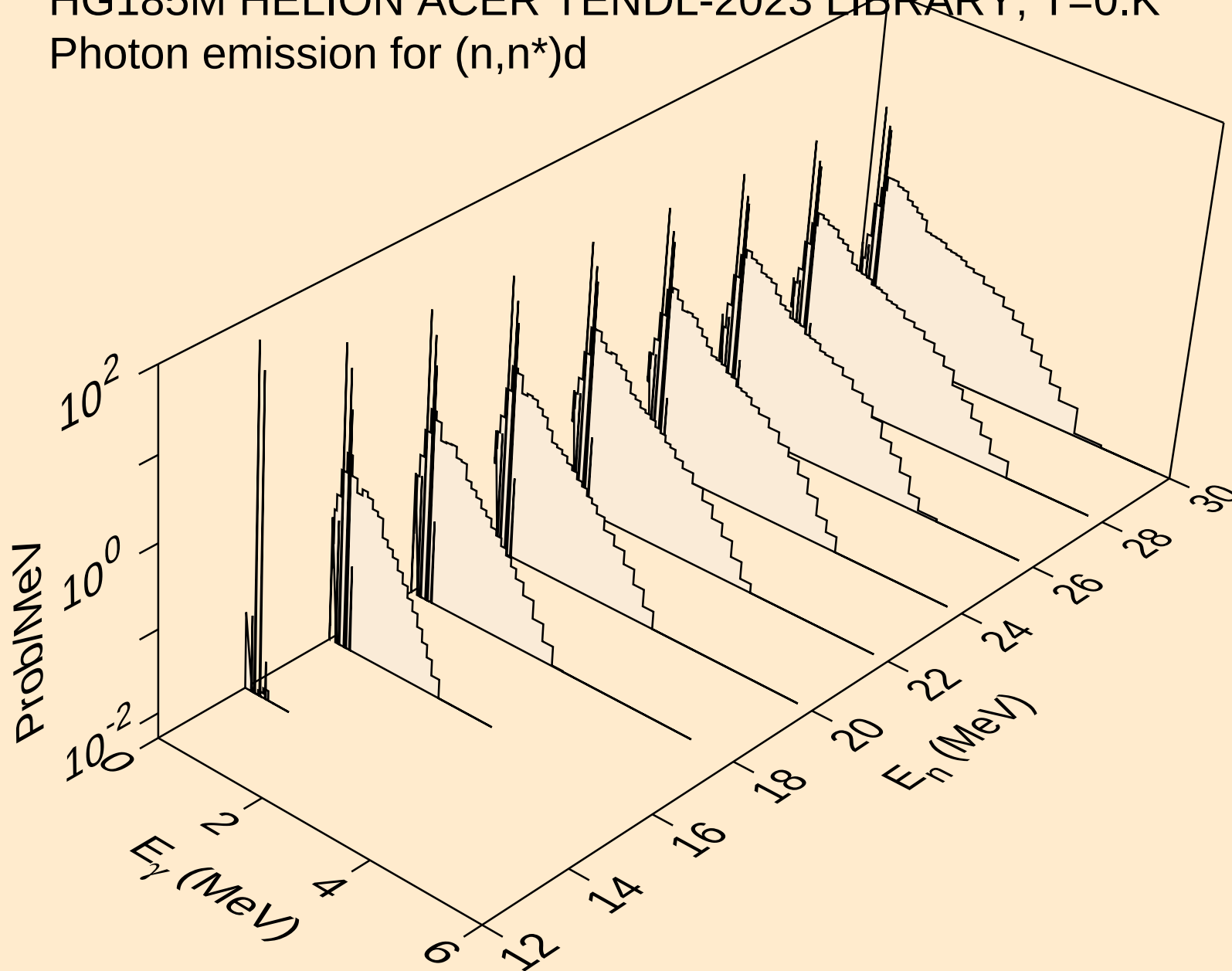


HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,2n)2a

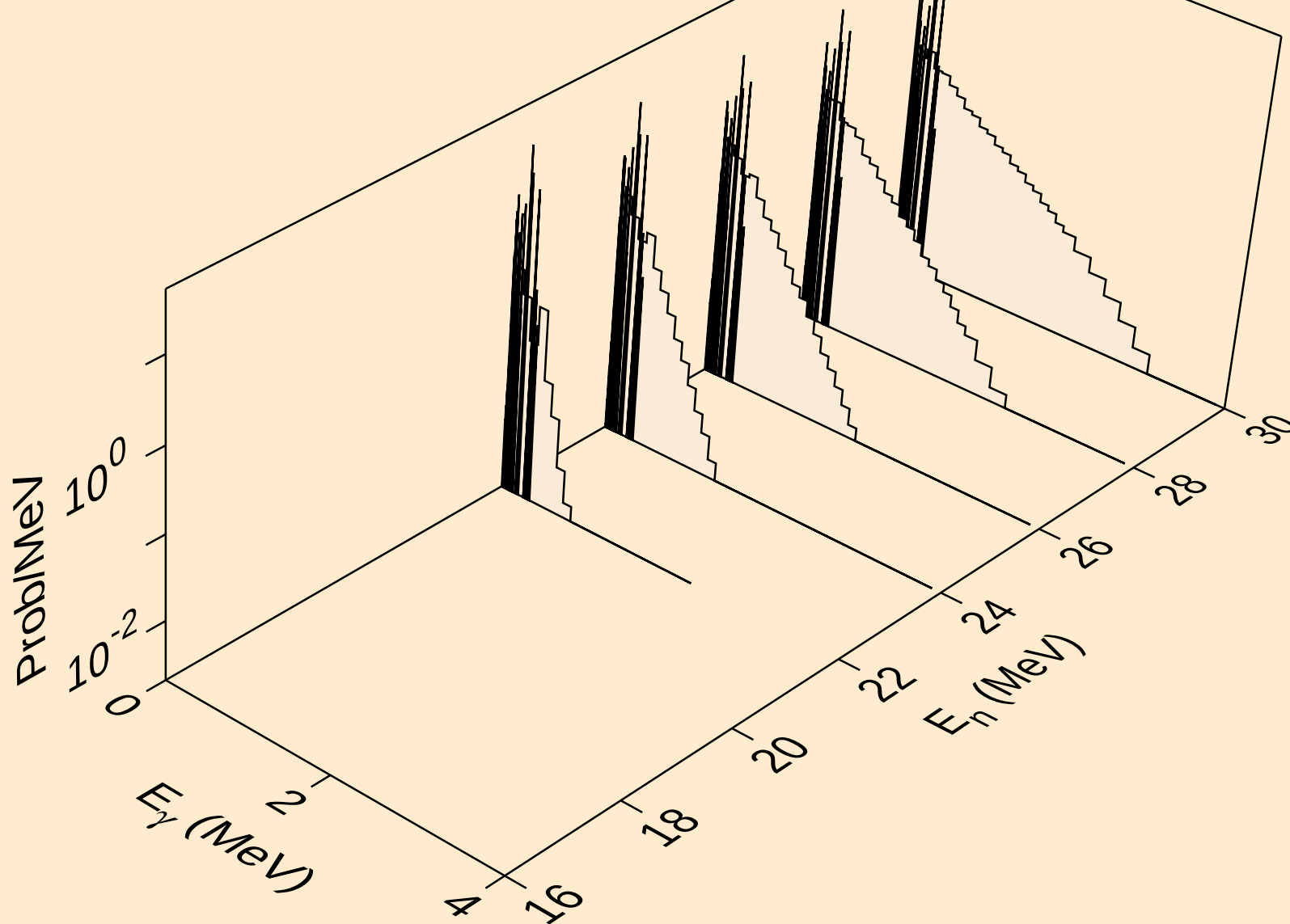


HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



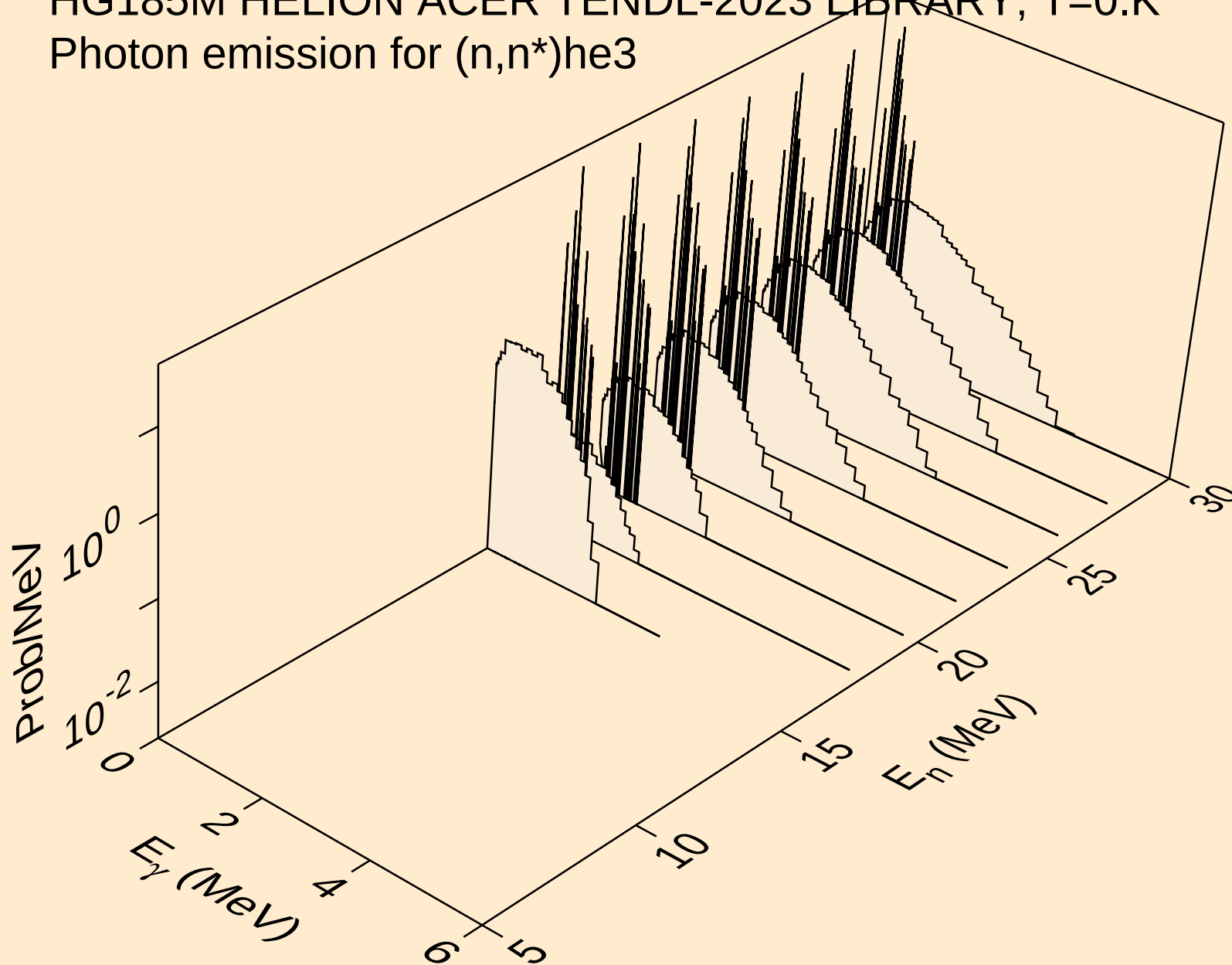
HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)t

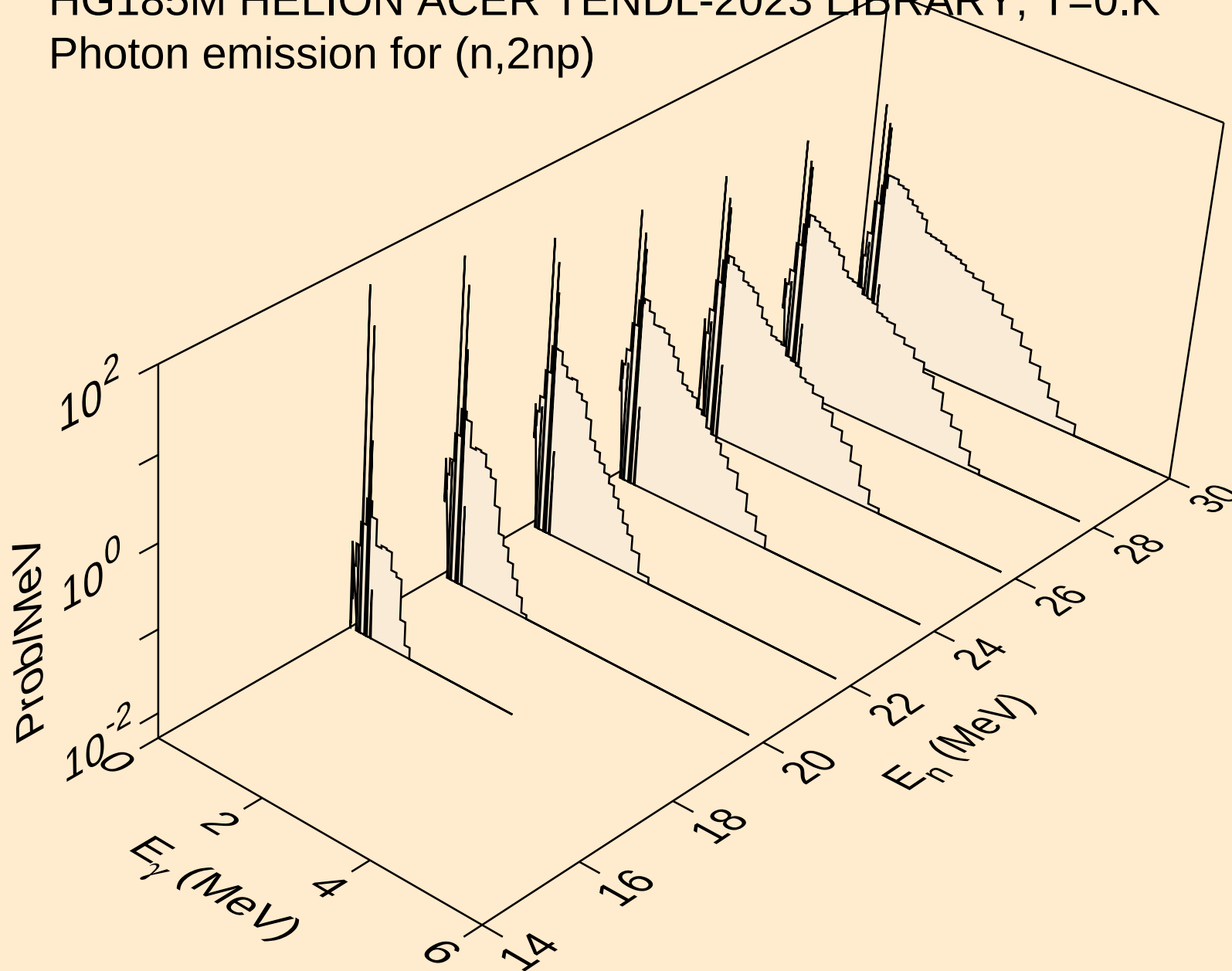


HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K

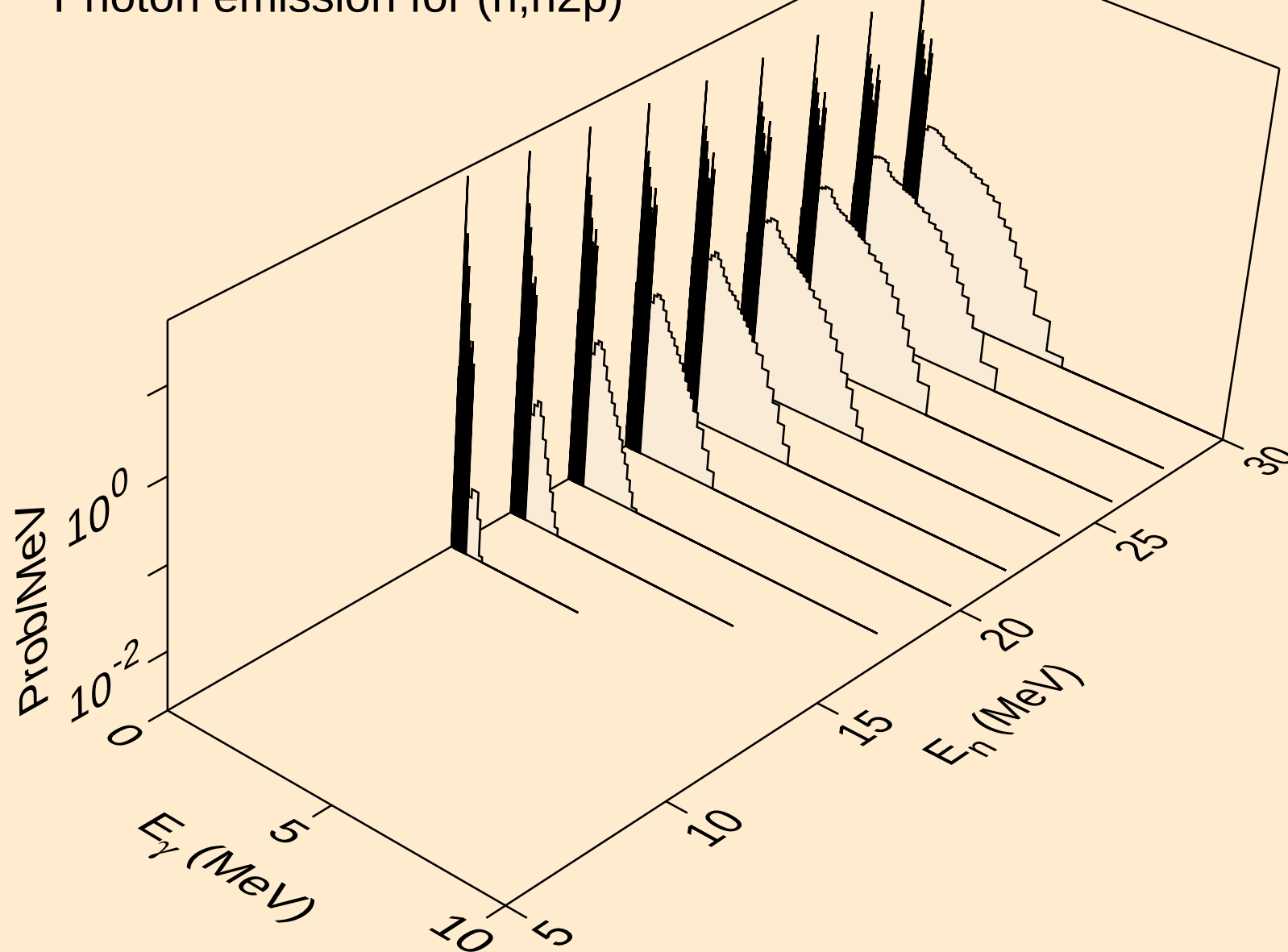
Photon emission for (n,n\*)he3



HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

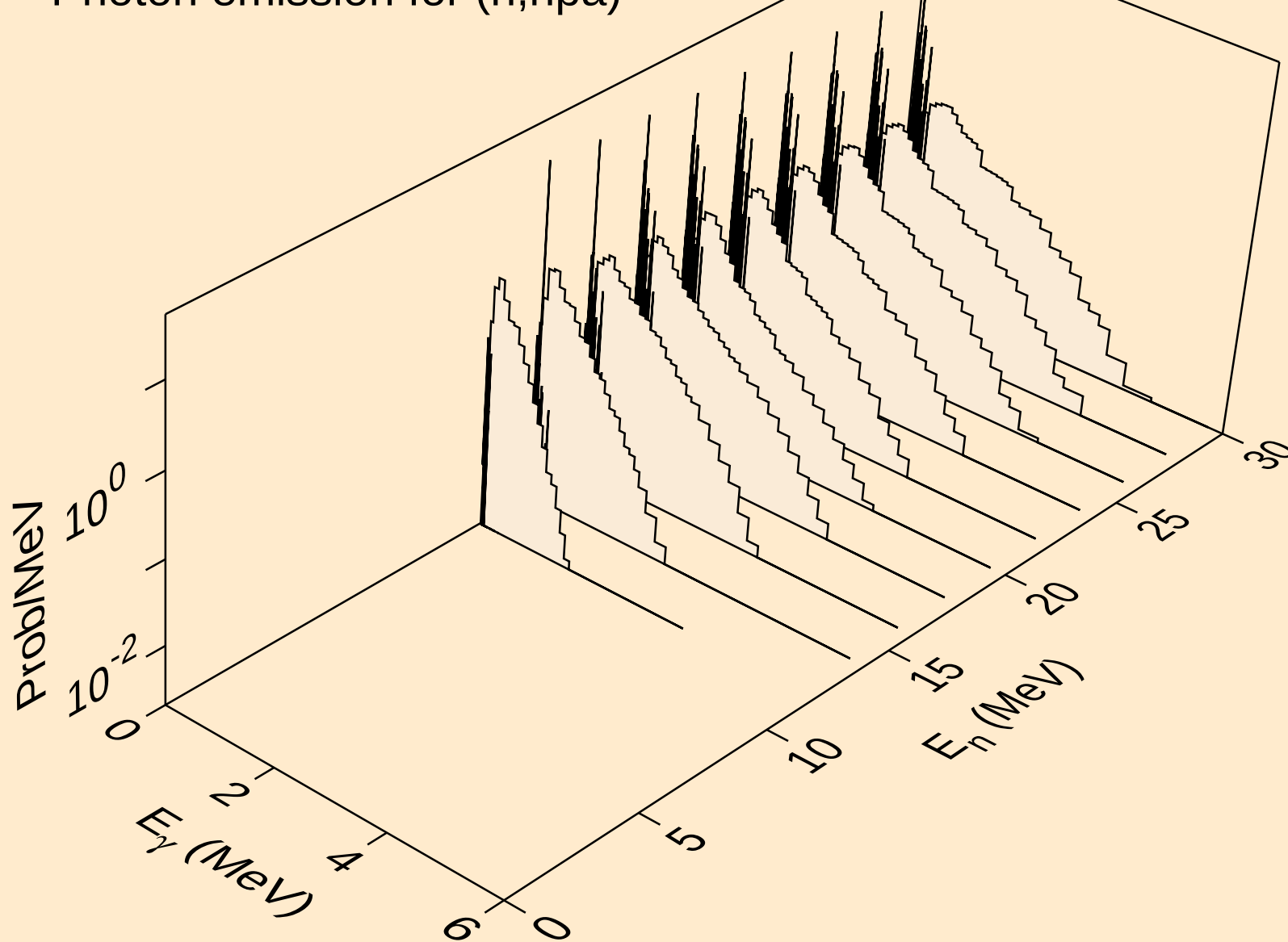


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Photon emission for (n,n2p)

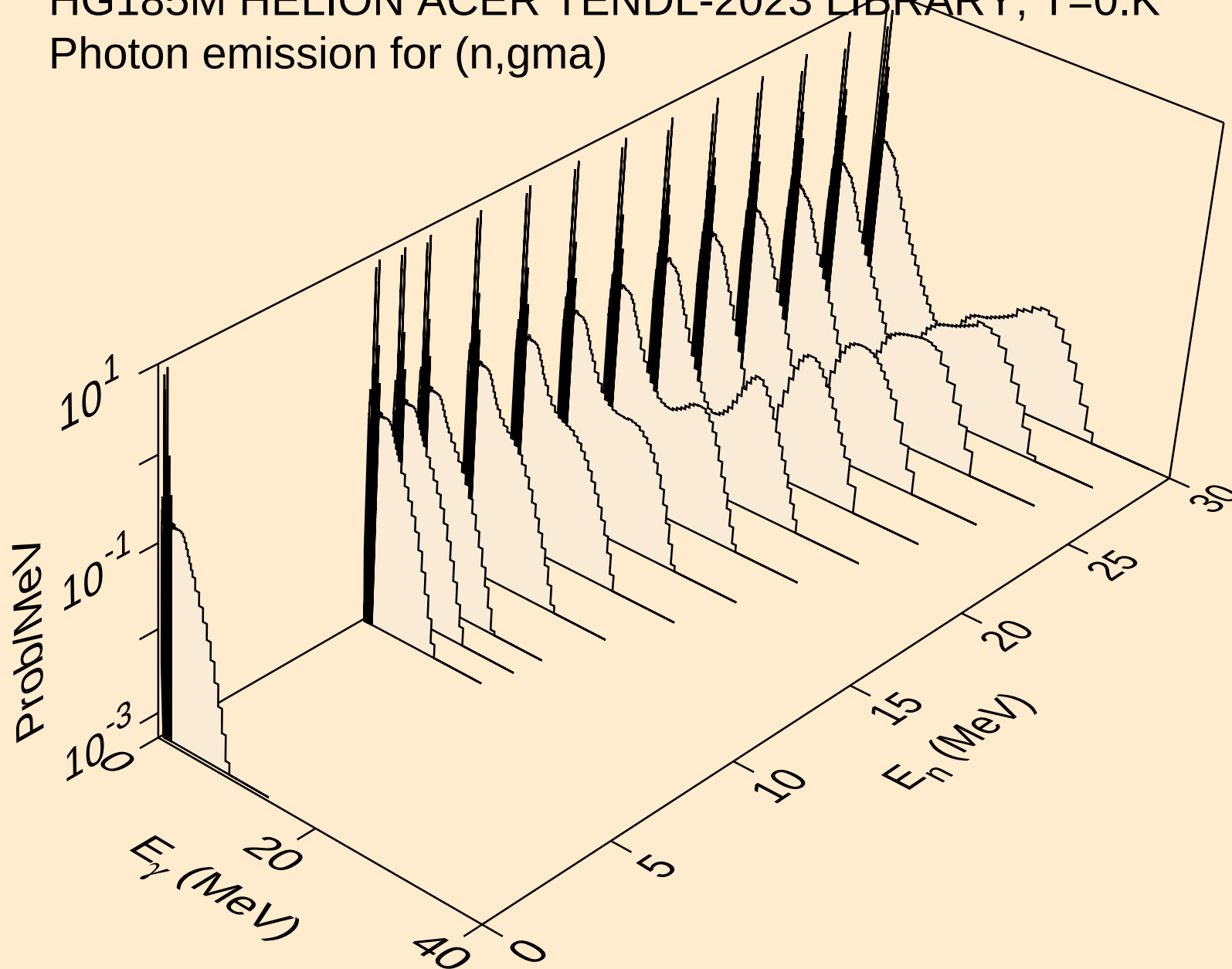




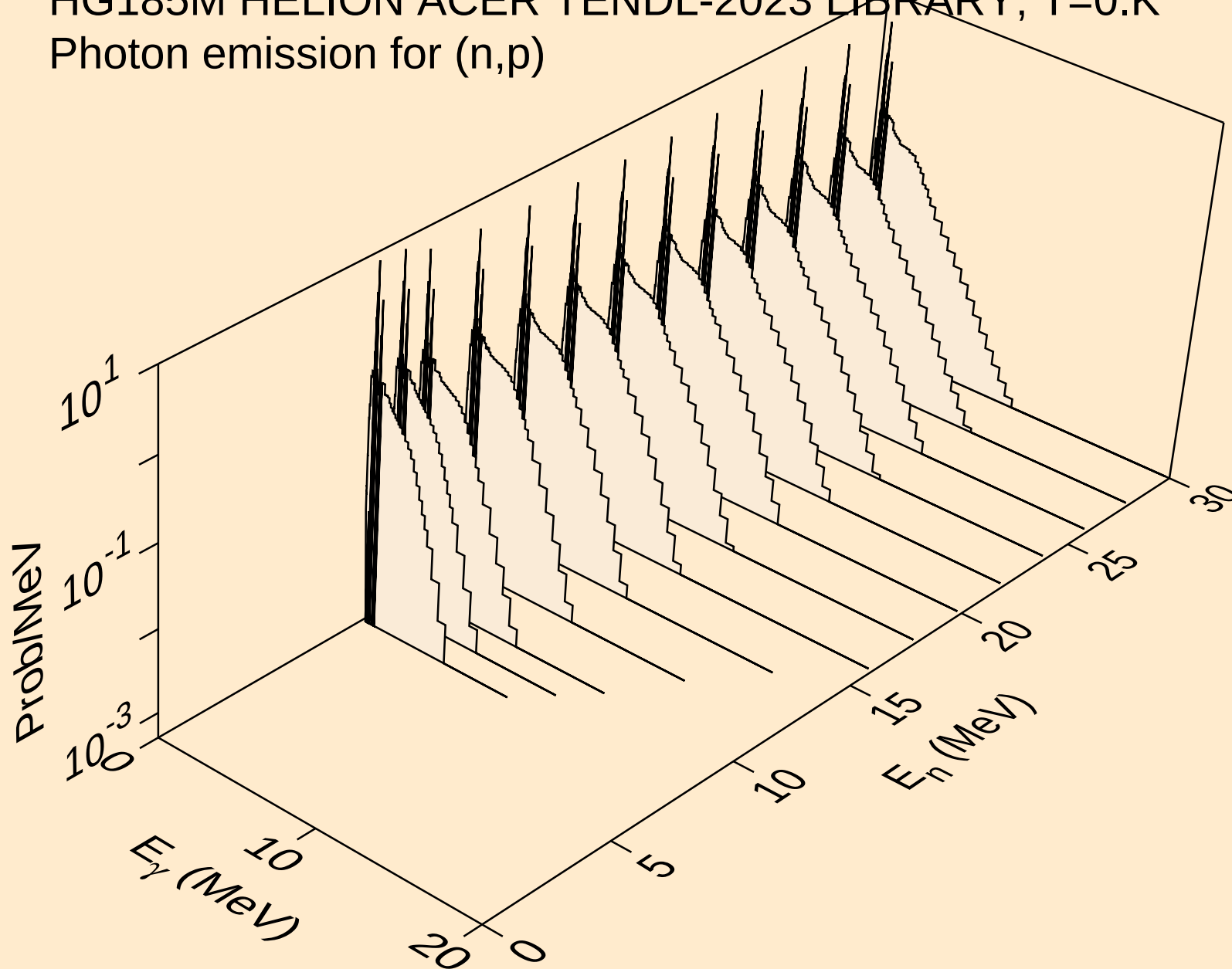
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Photon emission for (n,npa)



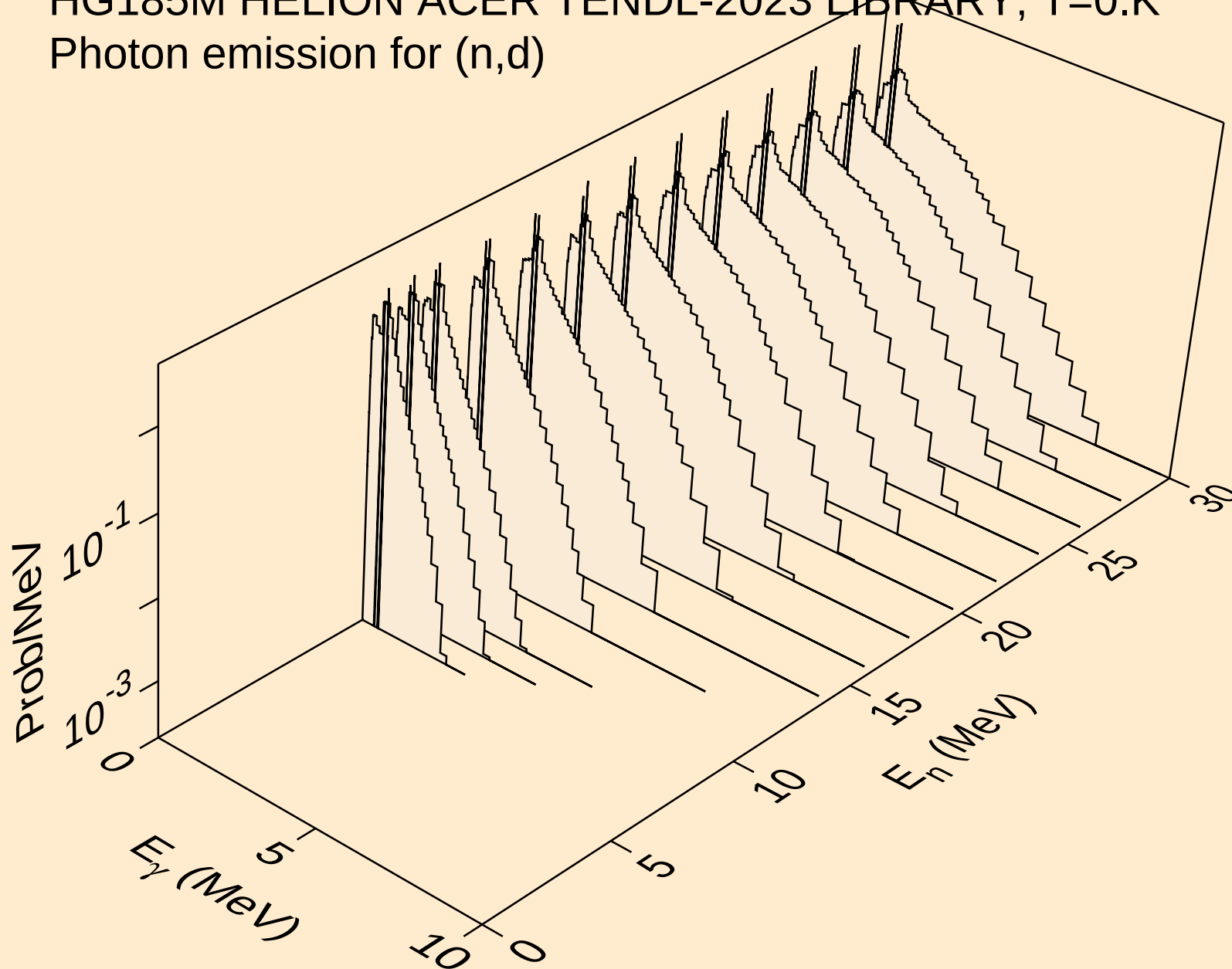
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Photon emission for (n,gma)



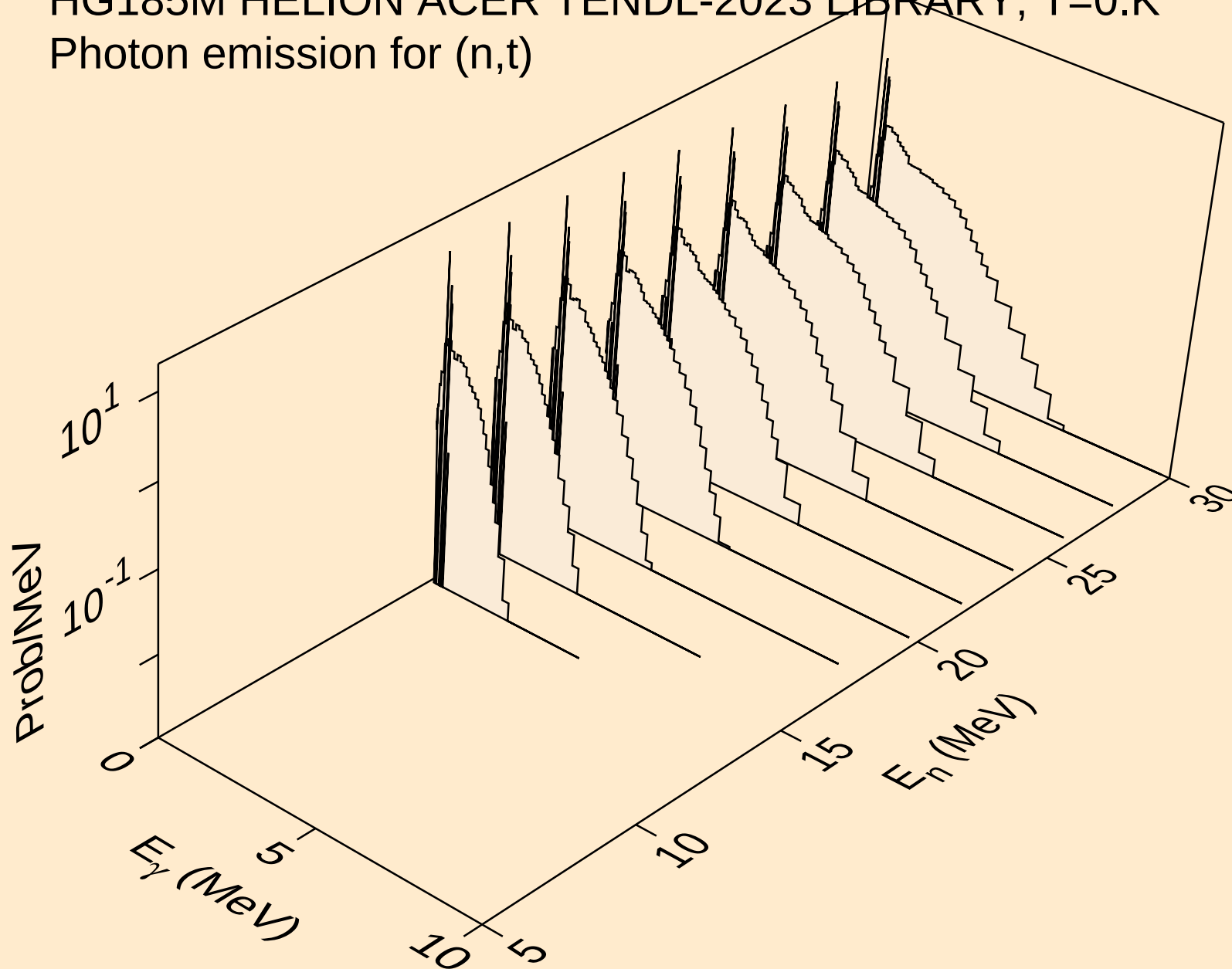
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Photon emission for (n,p)



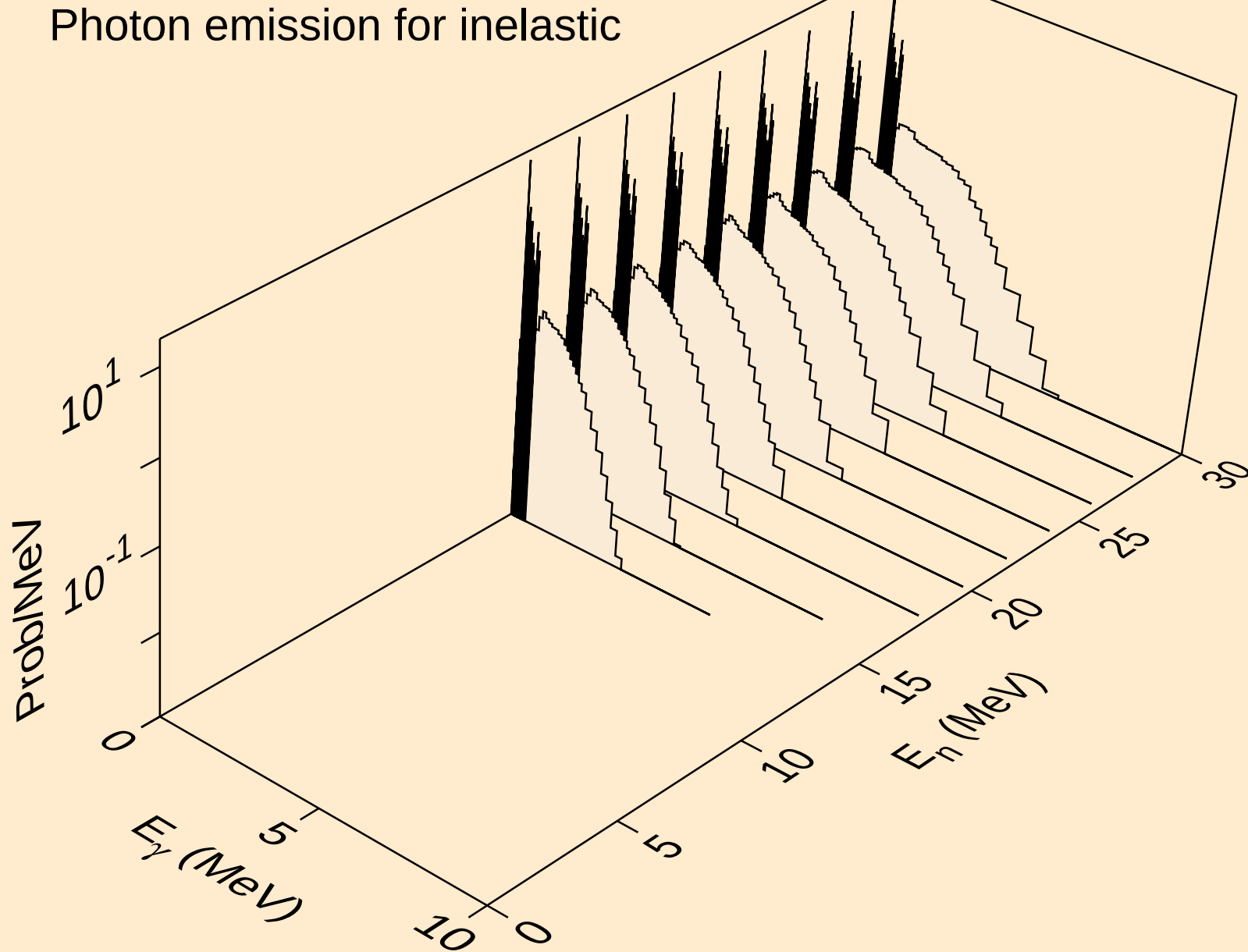
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Photon emission for (n,d)



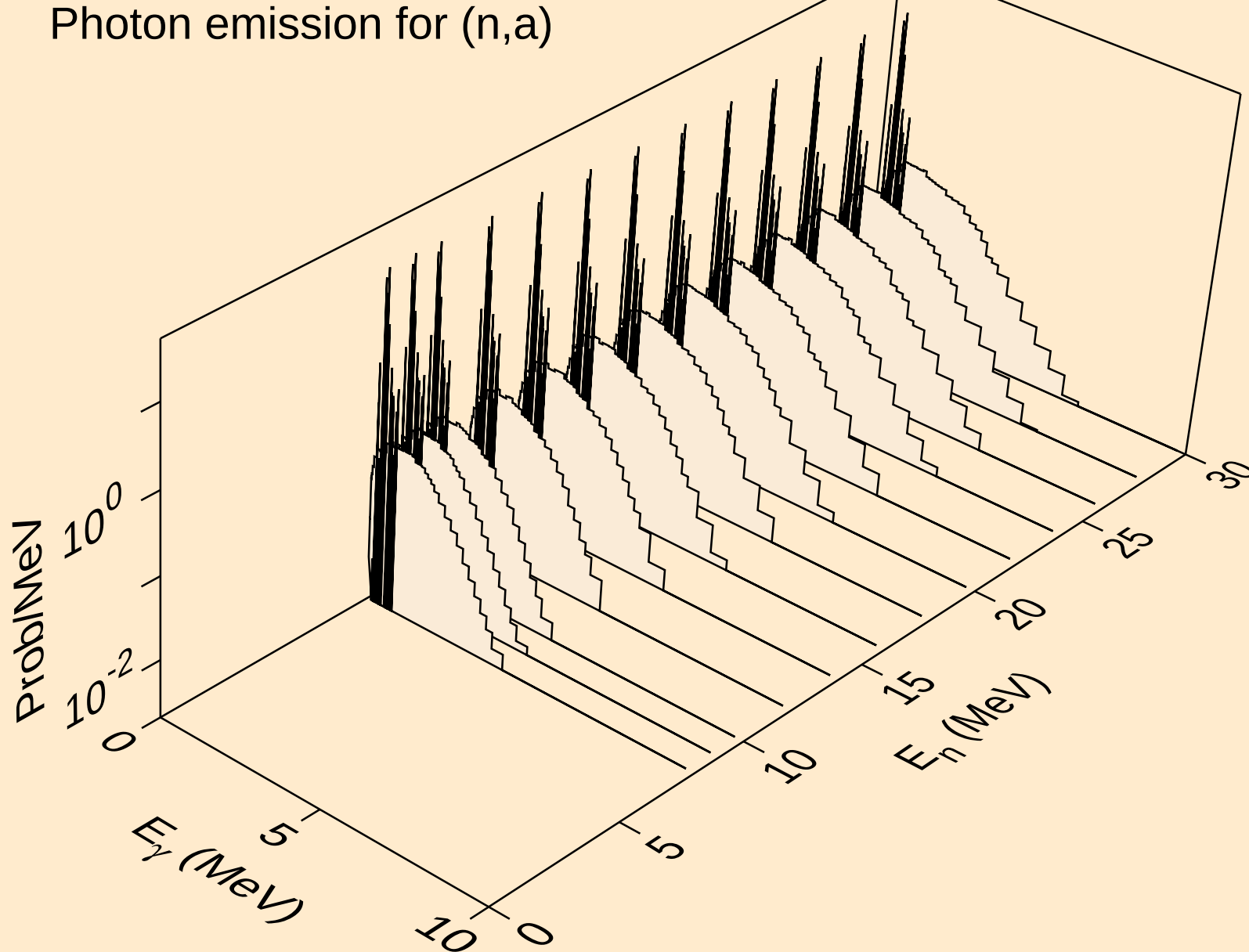
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Photon emission for (n,t)



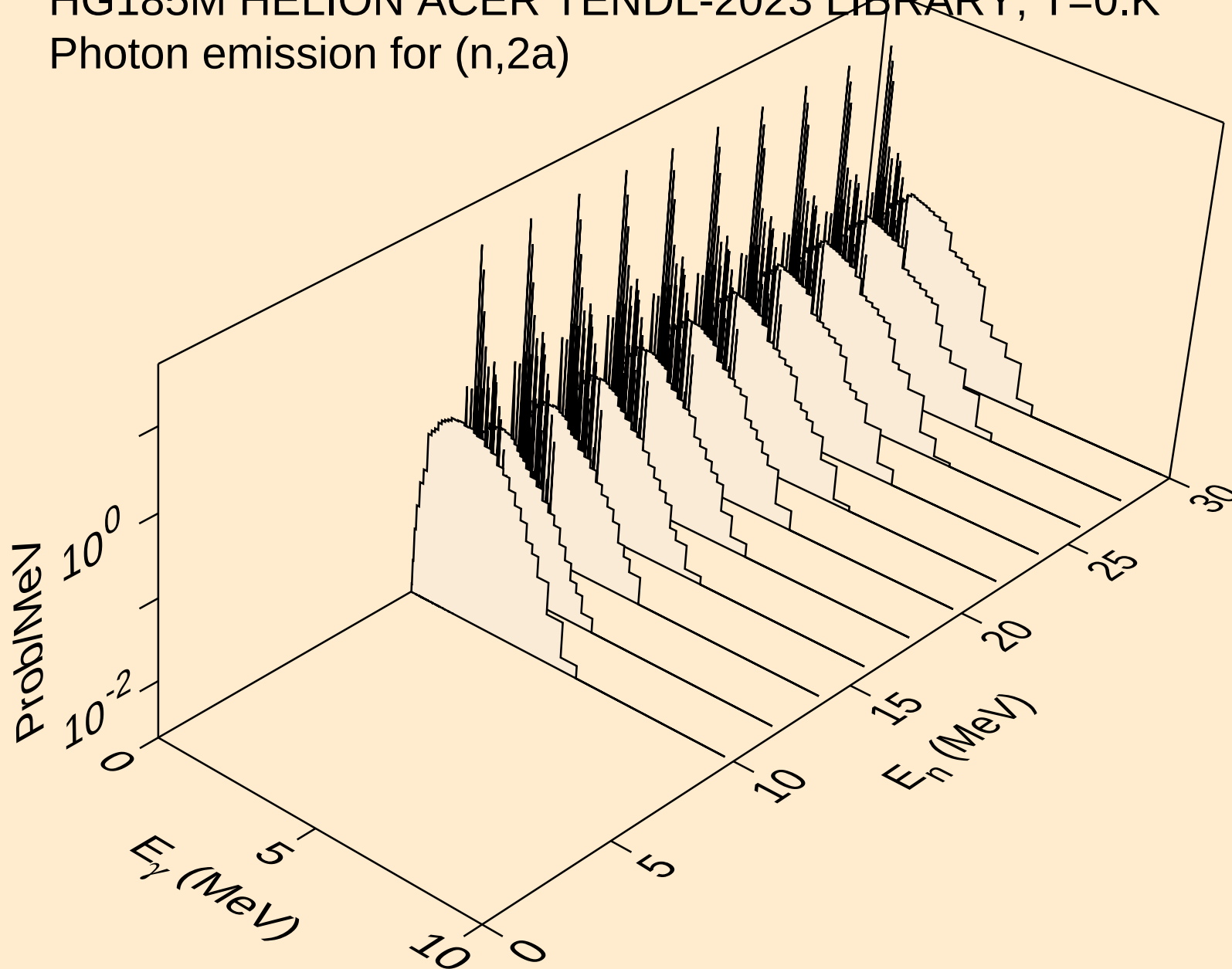
HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

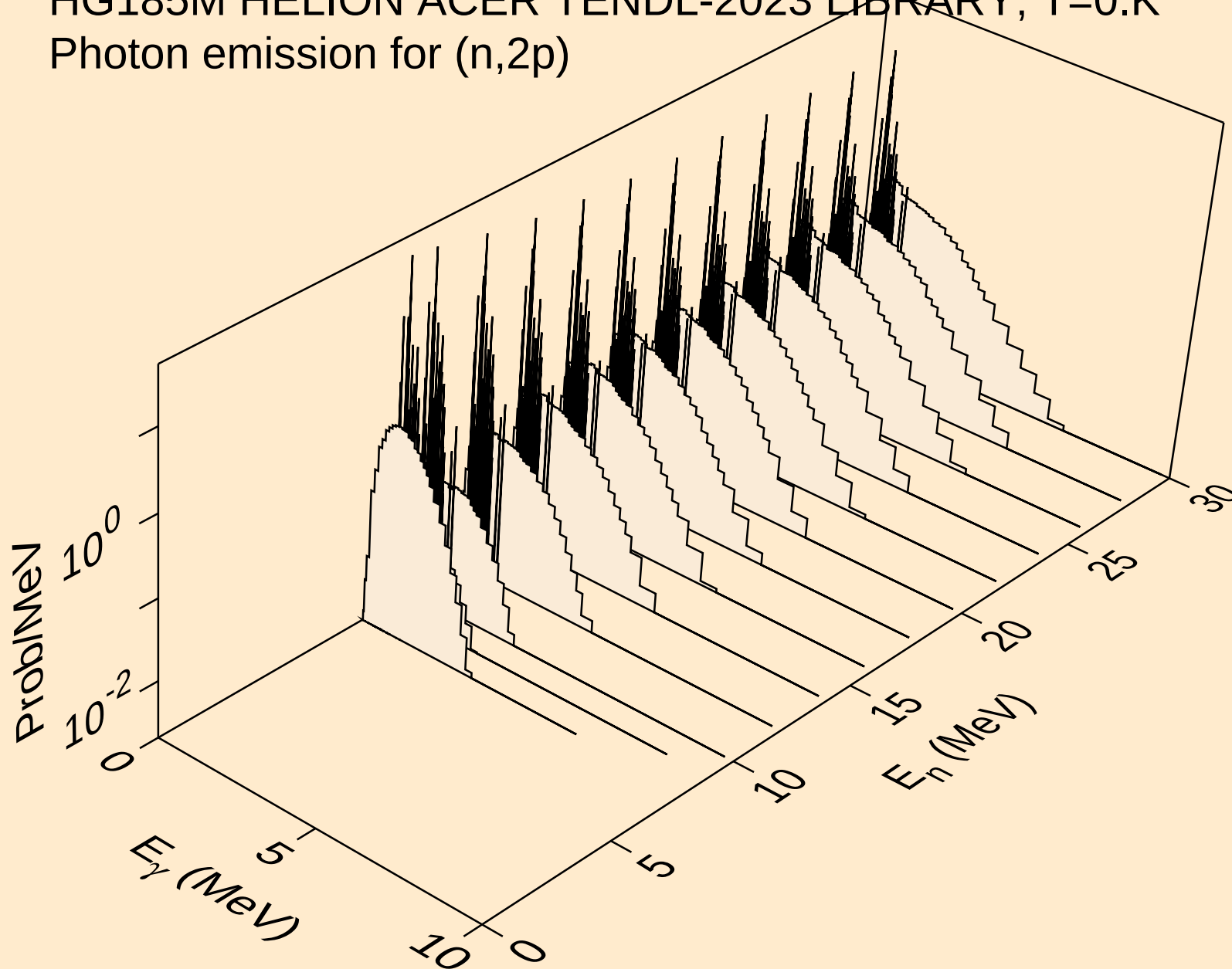


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Photon emission for (n,2a)

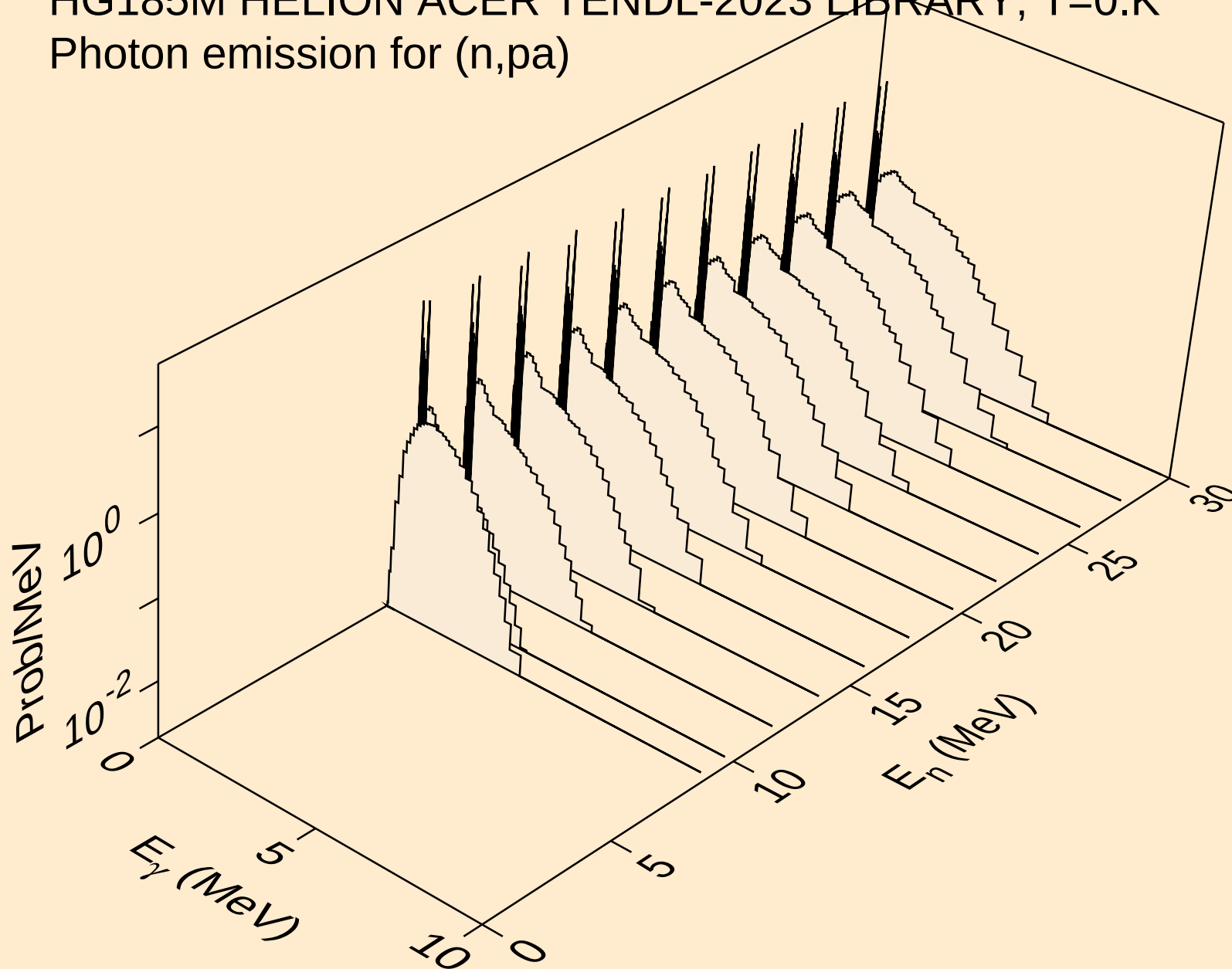




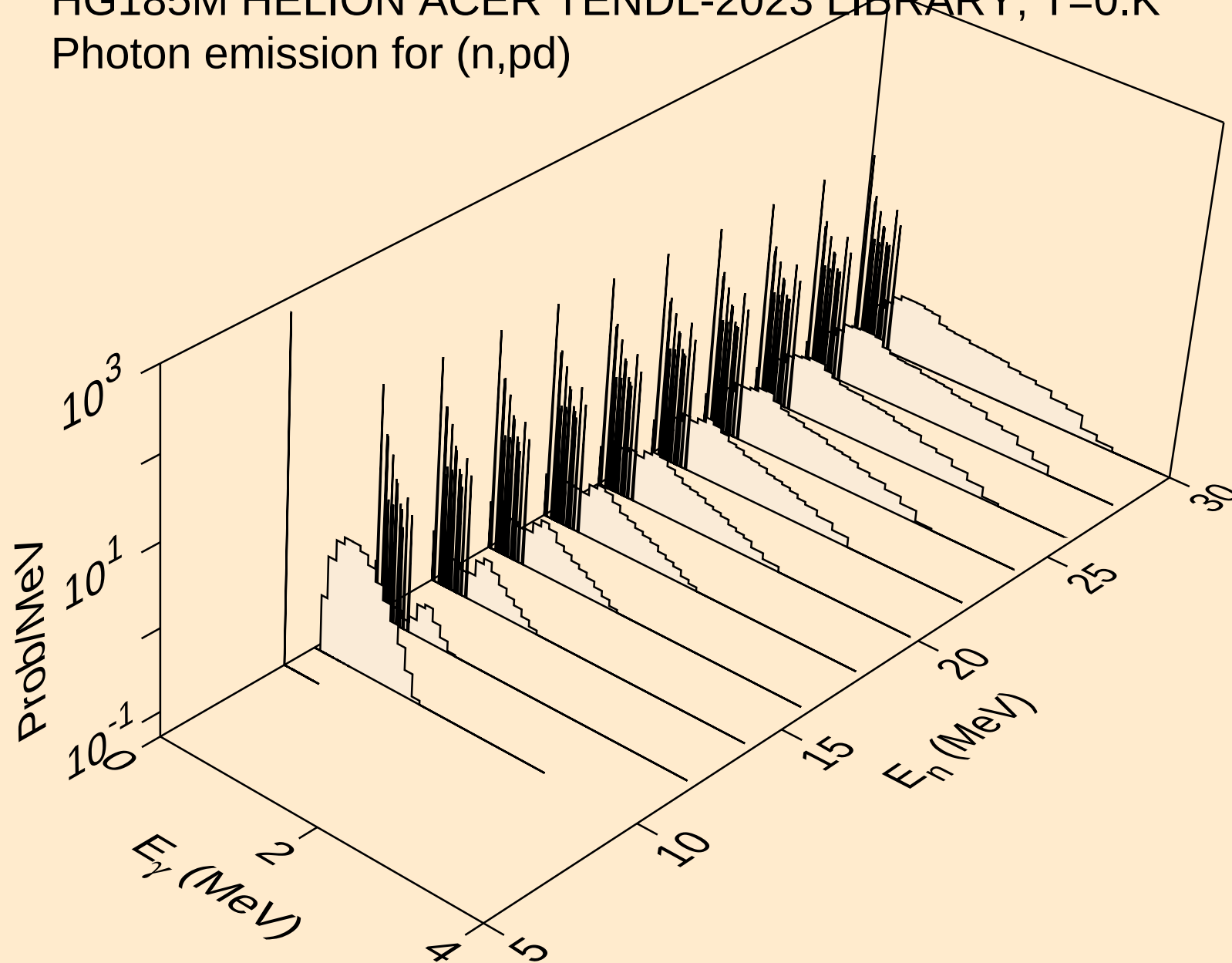
HG185M HELION ACER TENDL-2023 LIBRARY;  $T=0.K$   
Photon emission for (n,2p)



HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )

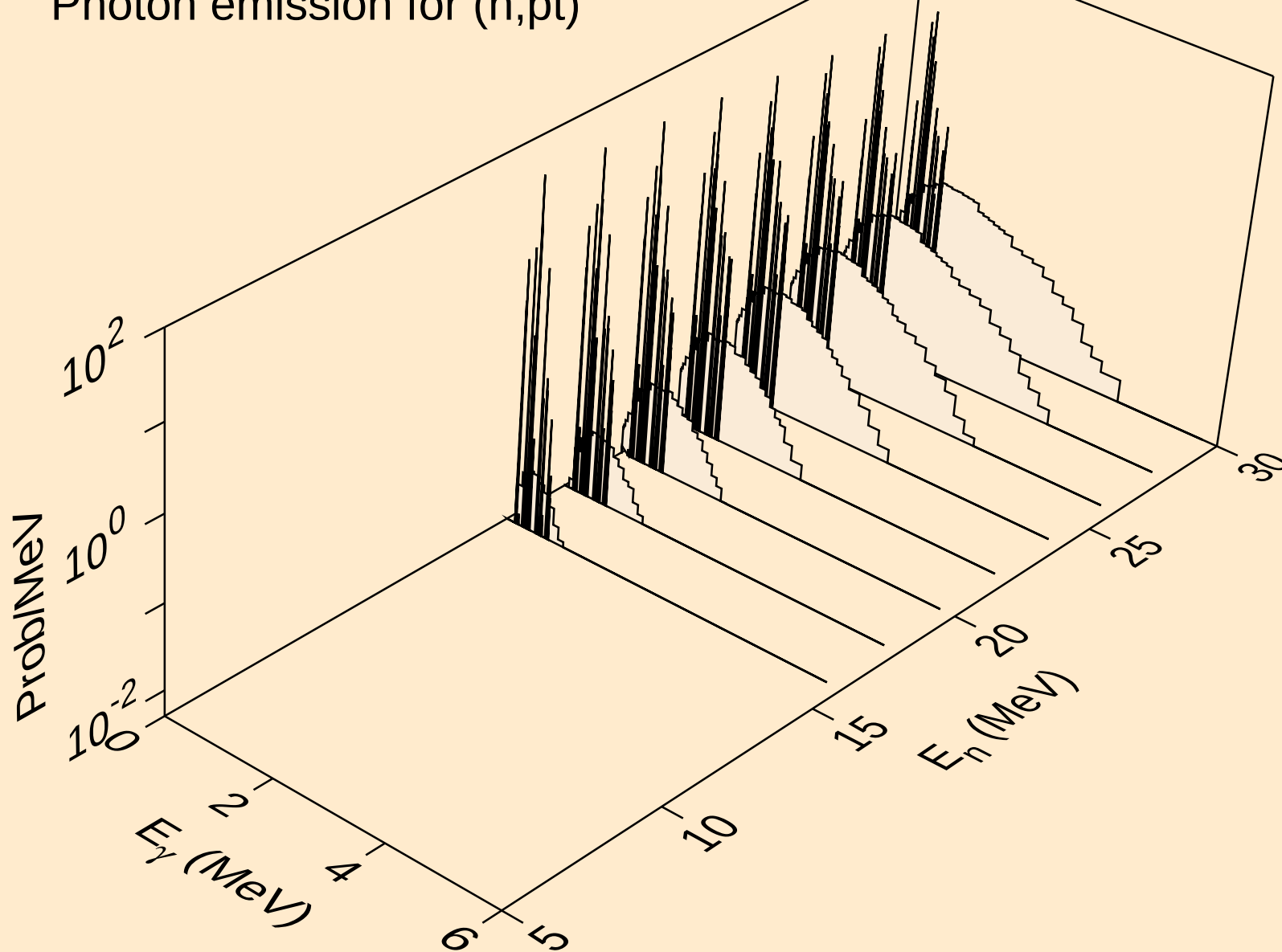


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Photon emission for (n,pd)

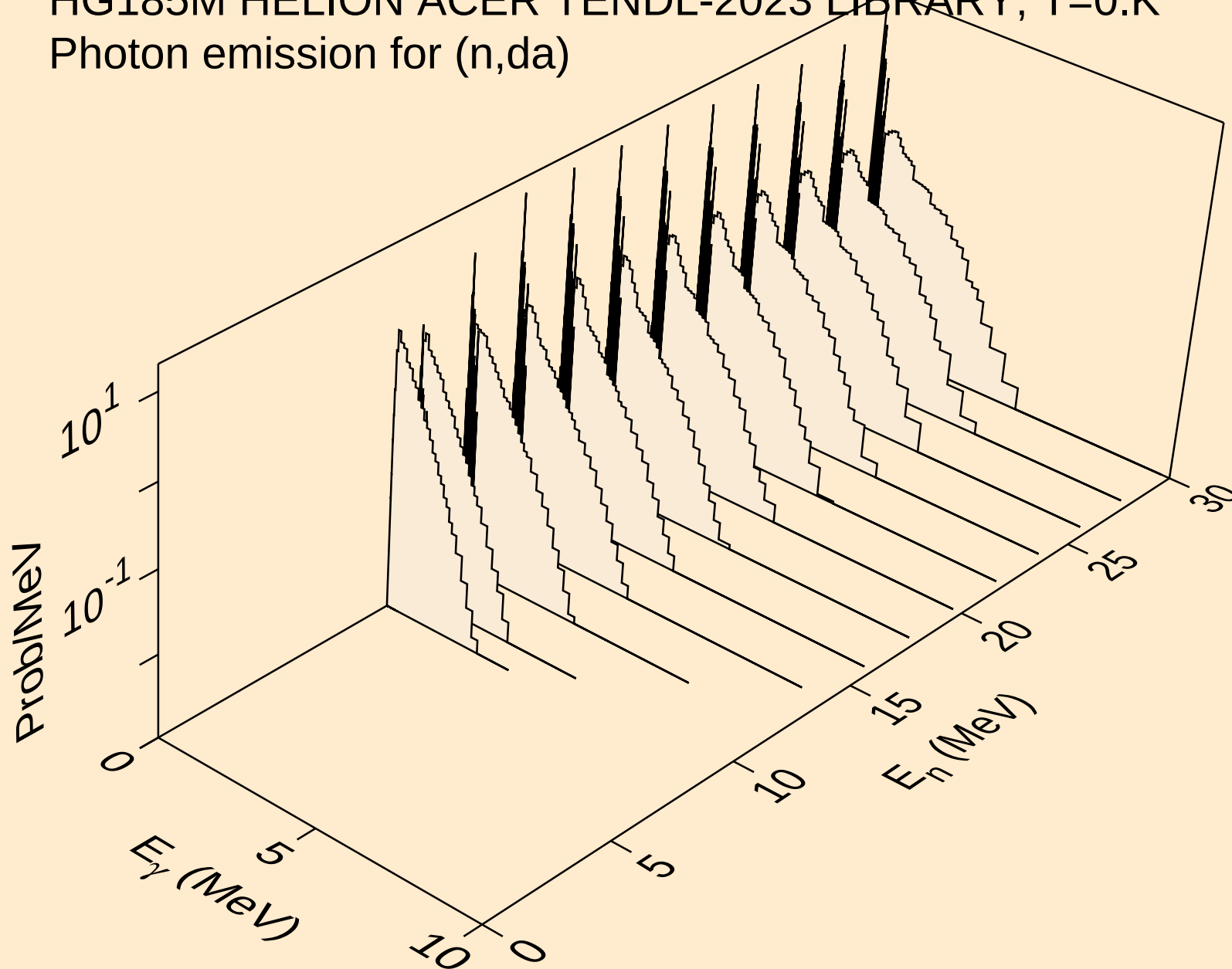


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Photon emission for (n,pt)

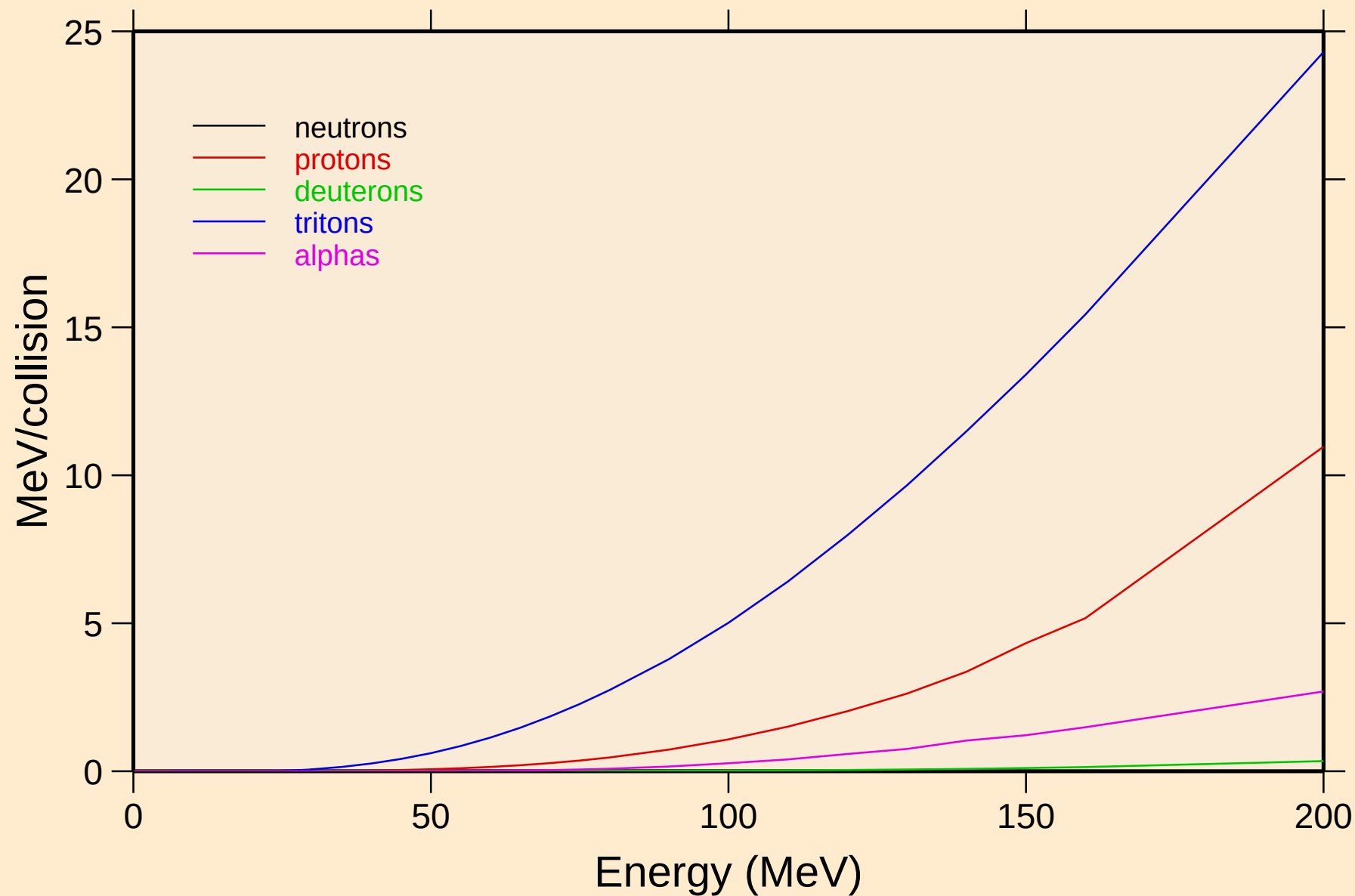


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Photon emission for (n,da)



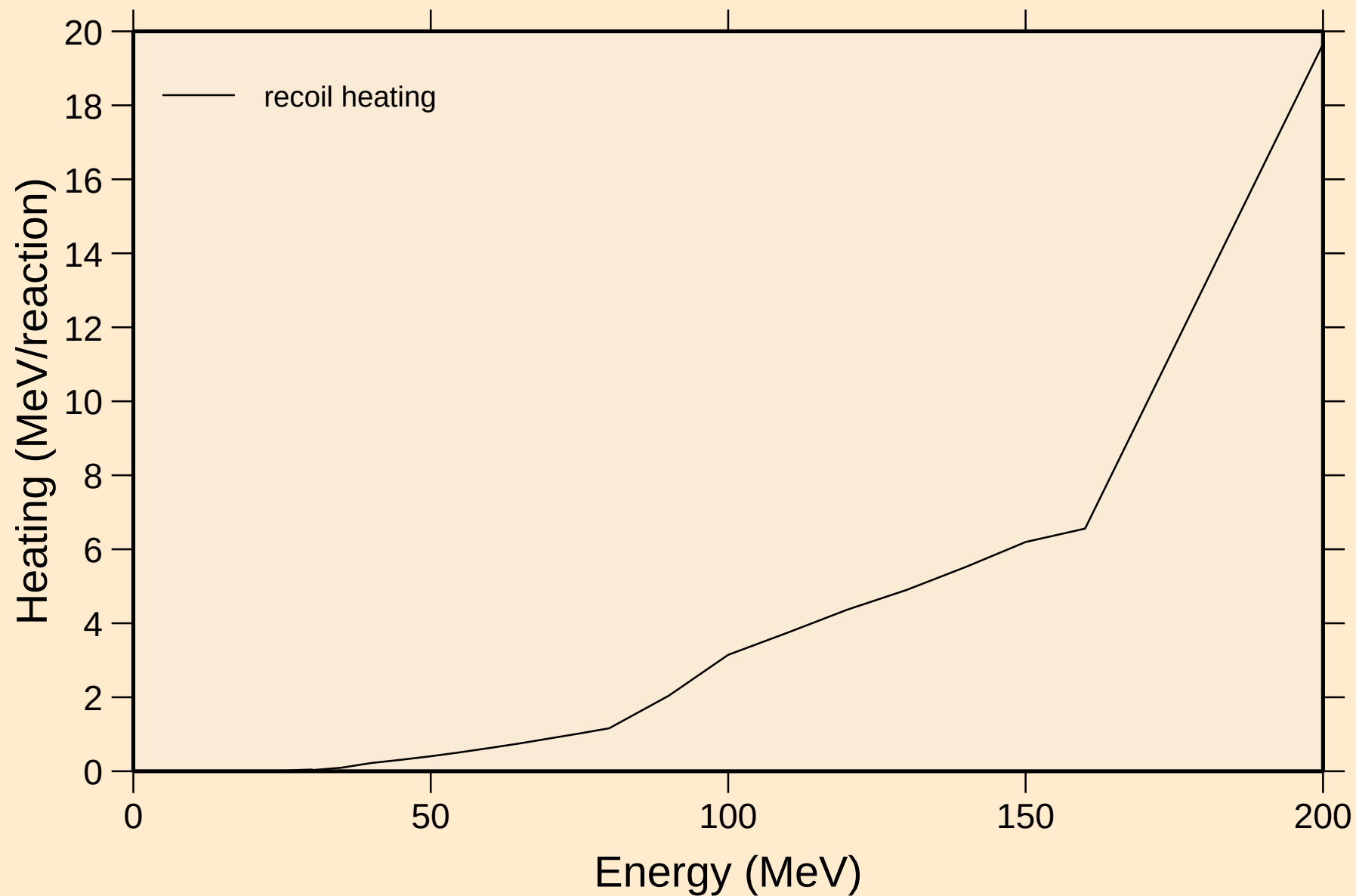
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## Particle heating contributions



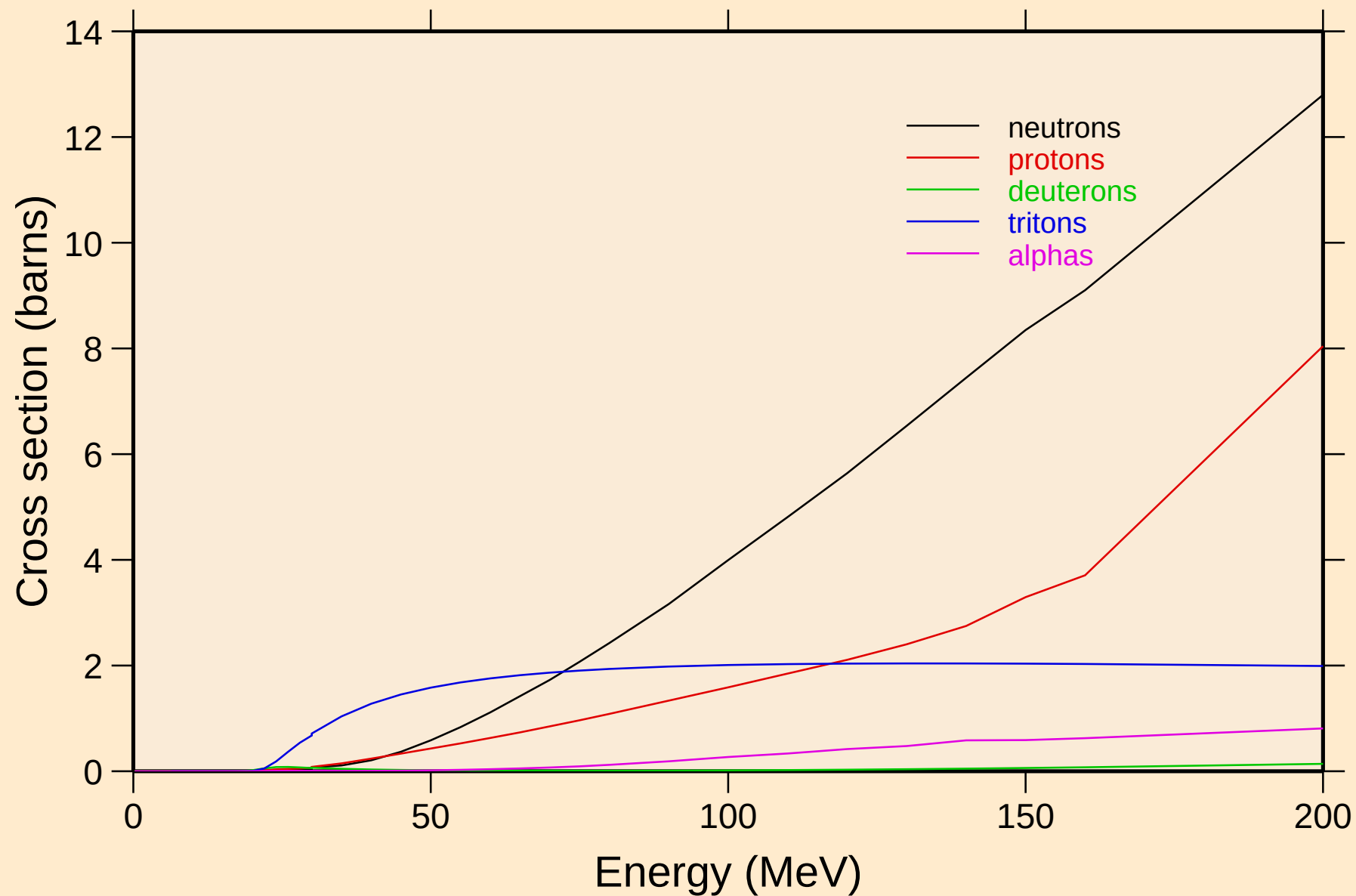
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## Recoil Heating



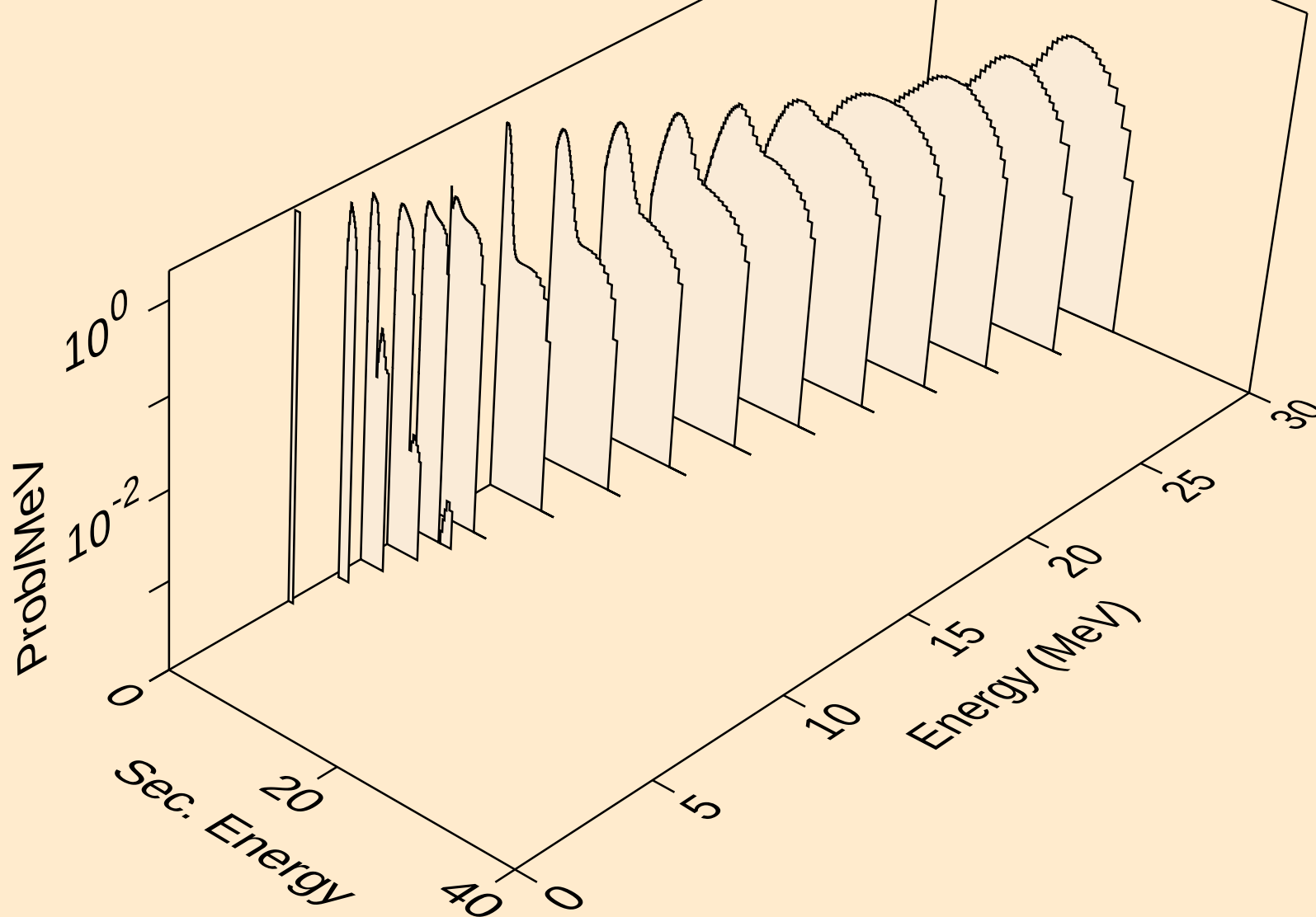
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## Particle production cross sections

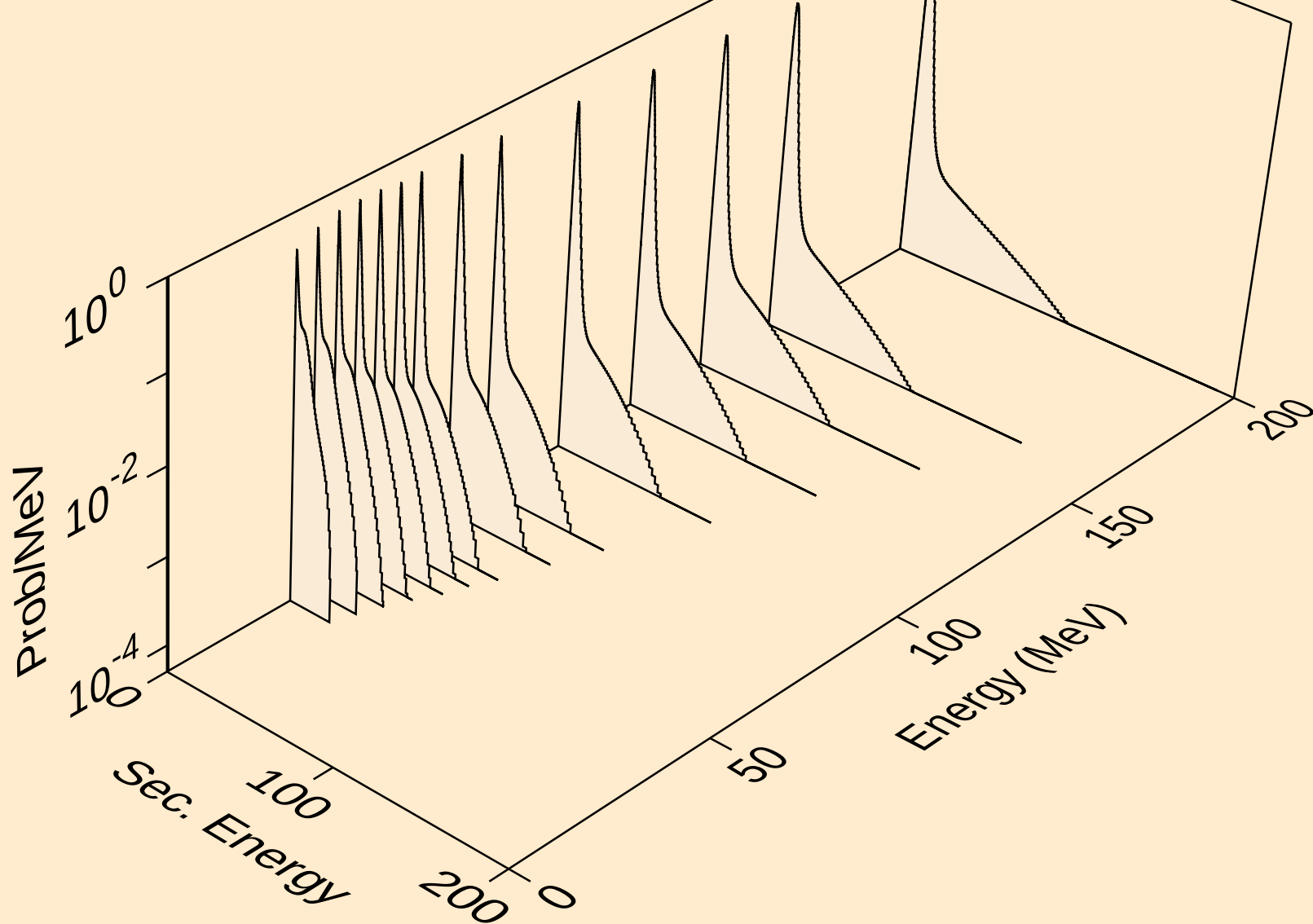




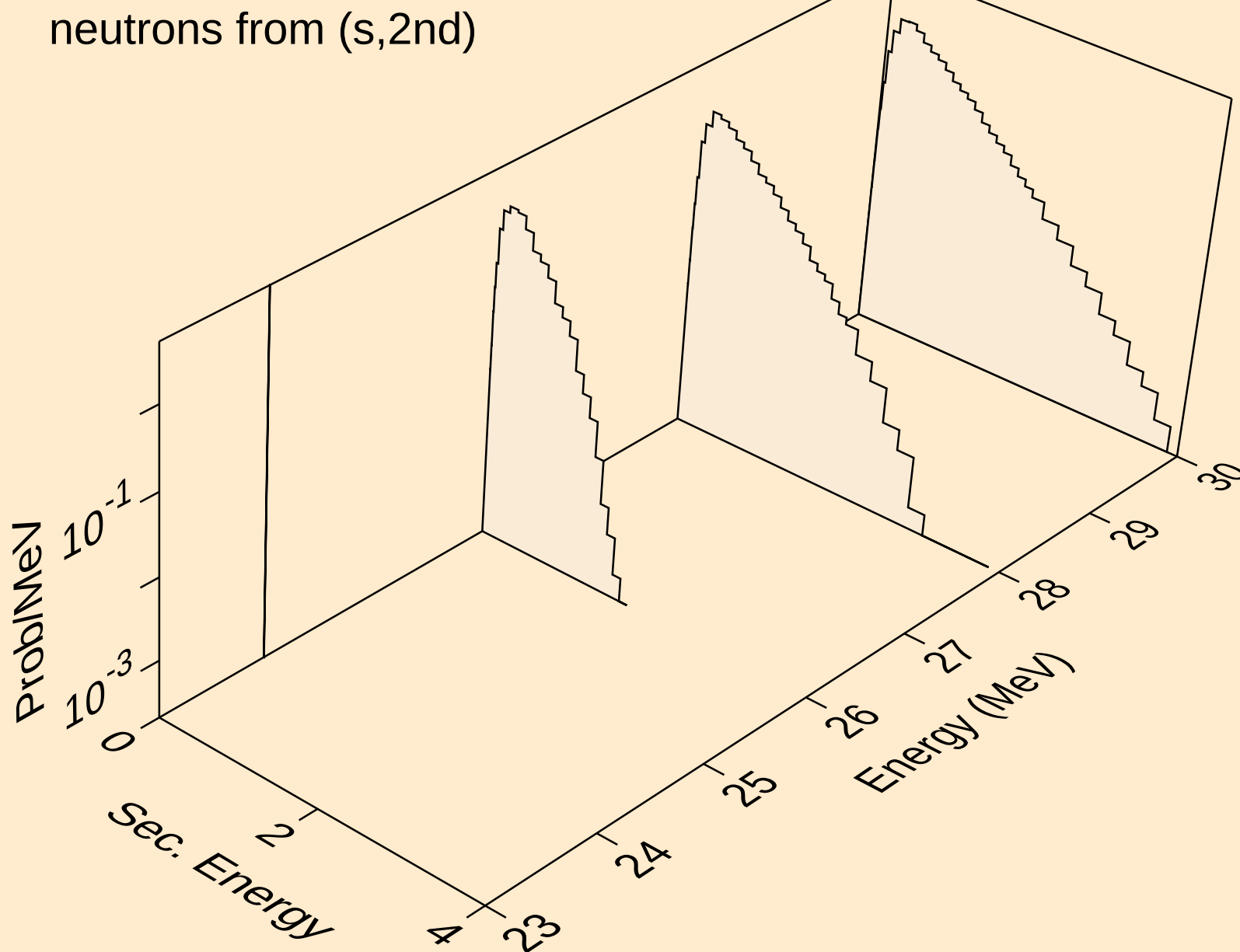
HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



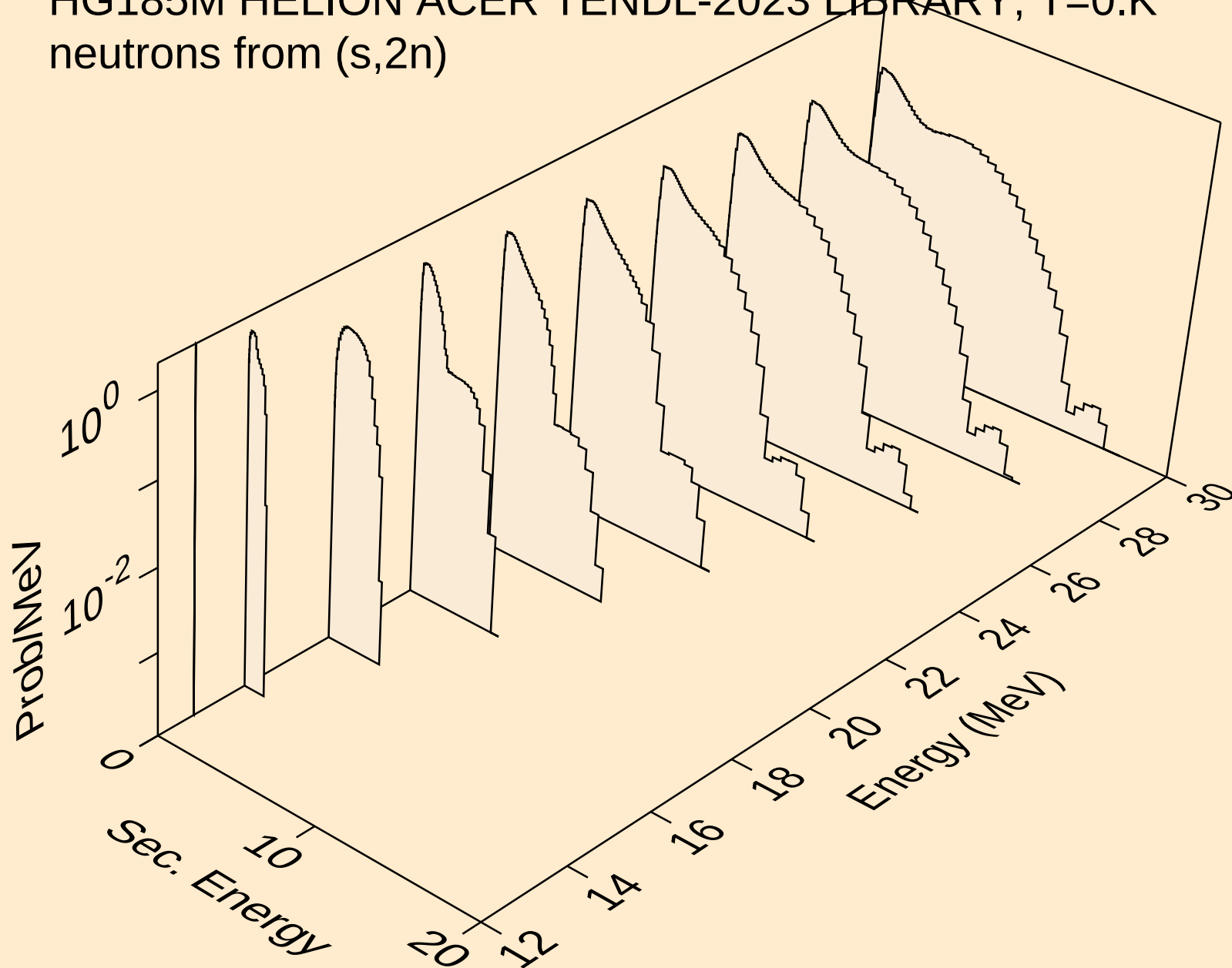
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neutrons from (s,x)



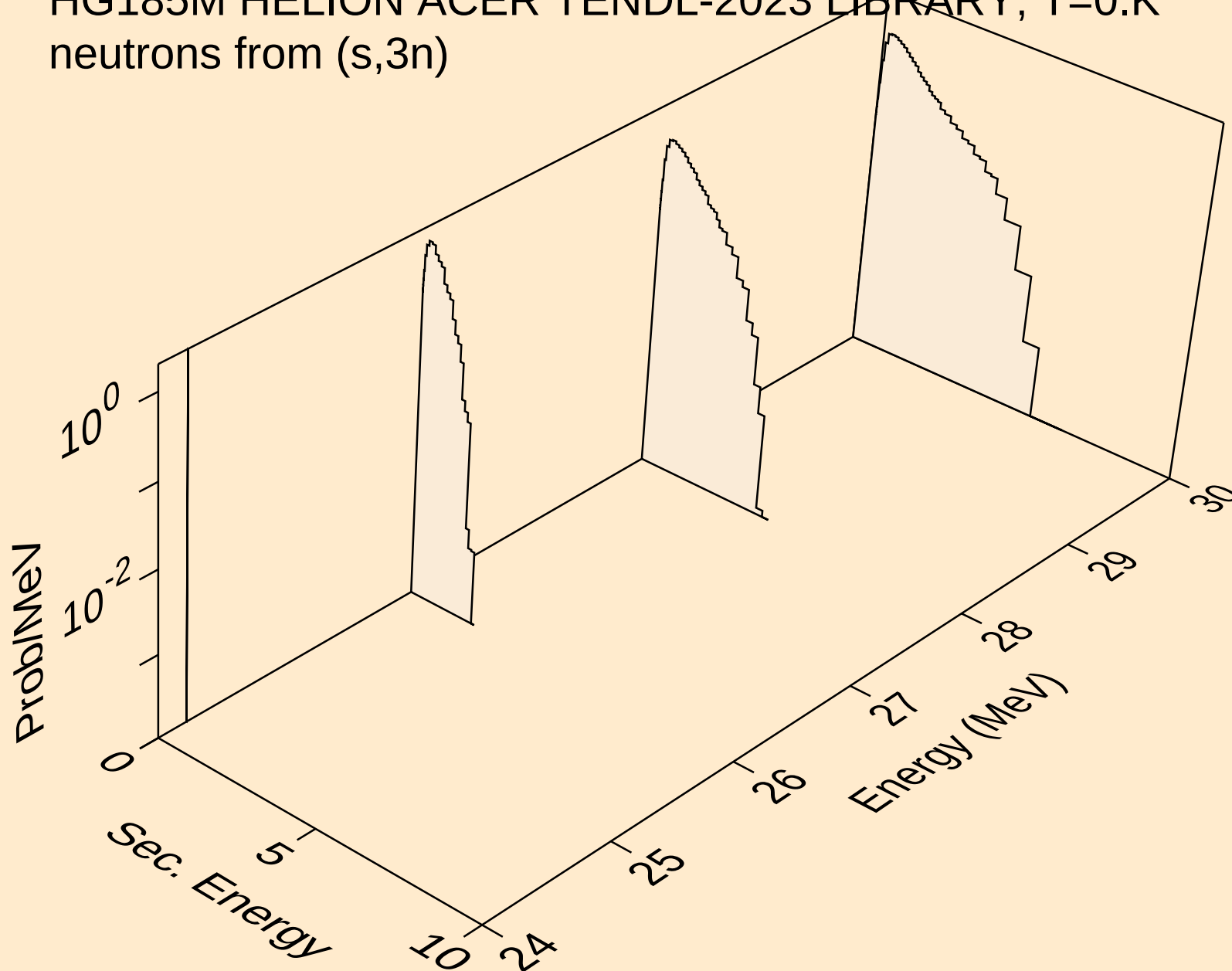
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neutrons from (s,2nd)



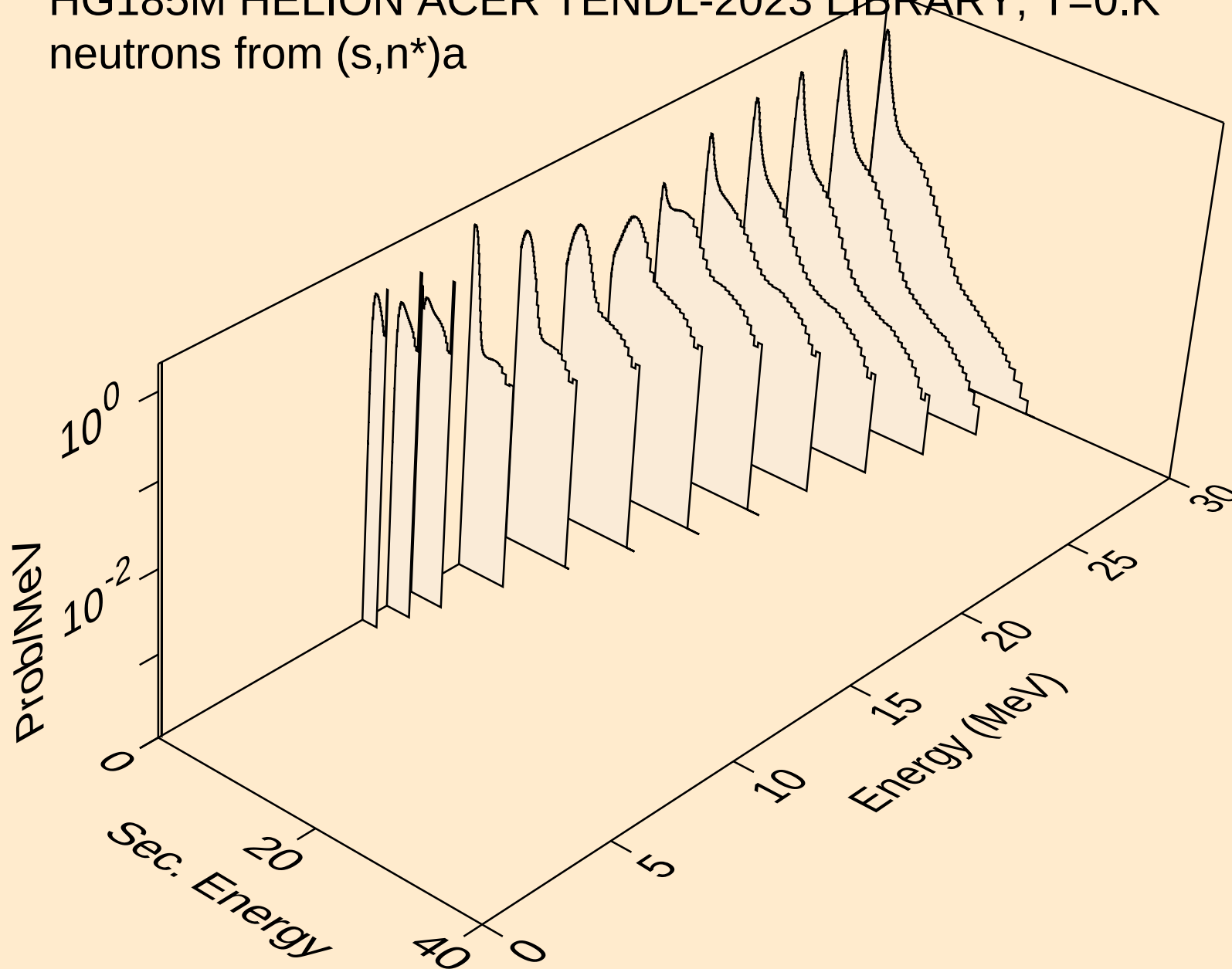
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neutrons from (s,2n)



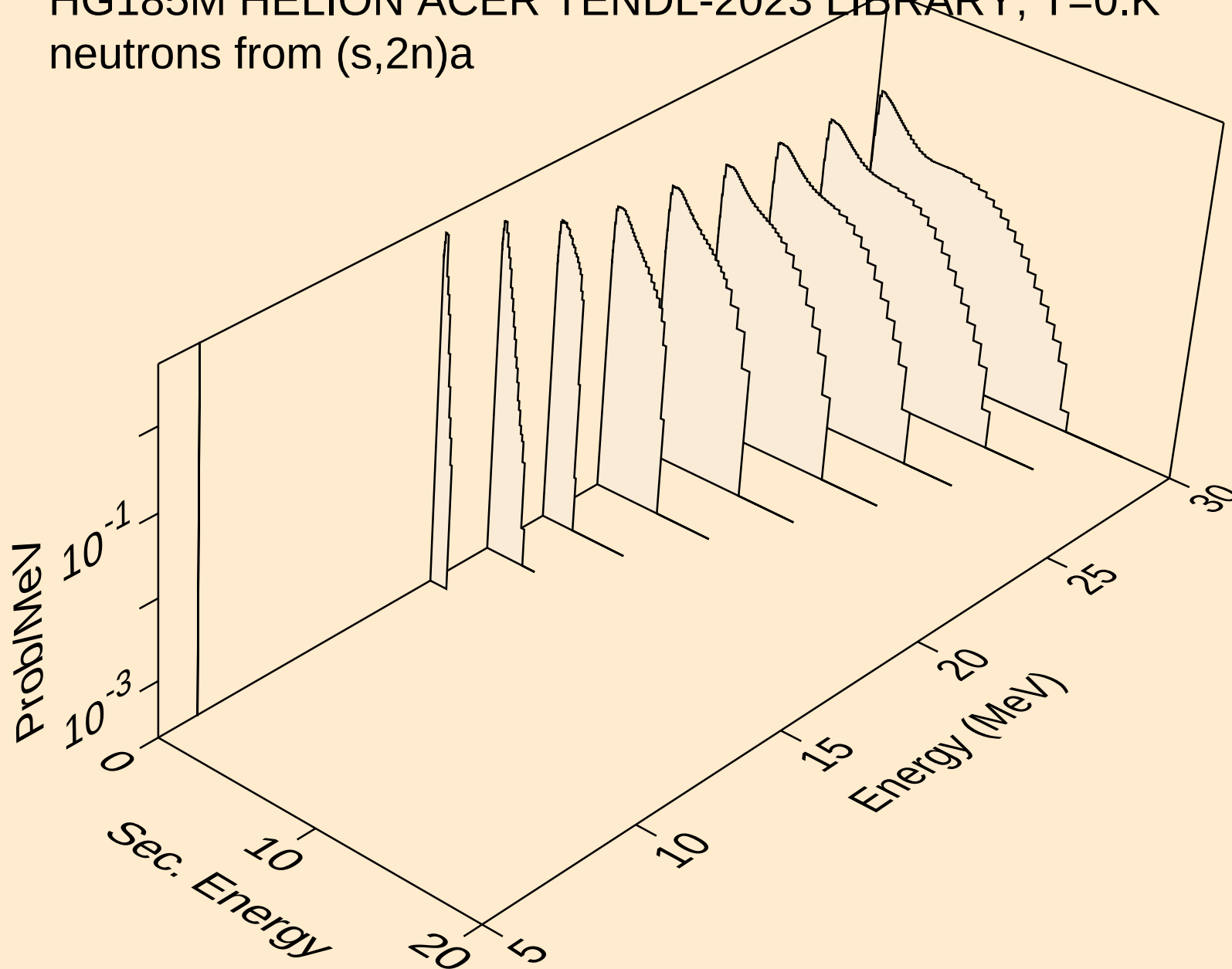
HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3n)



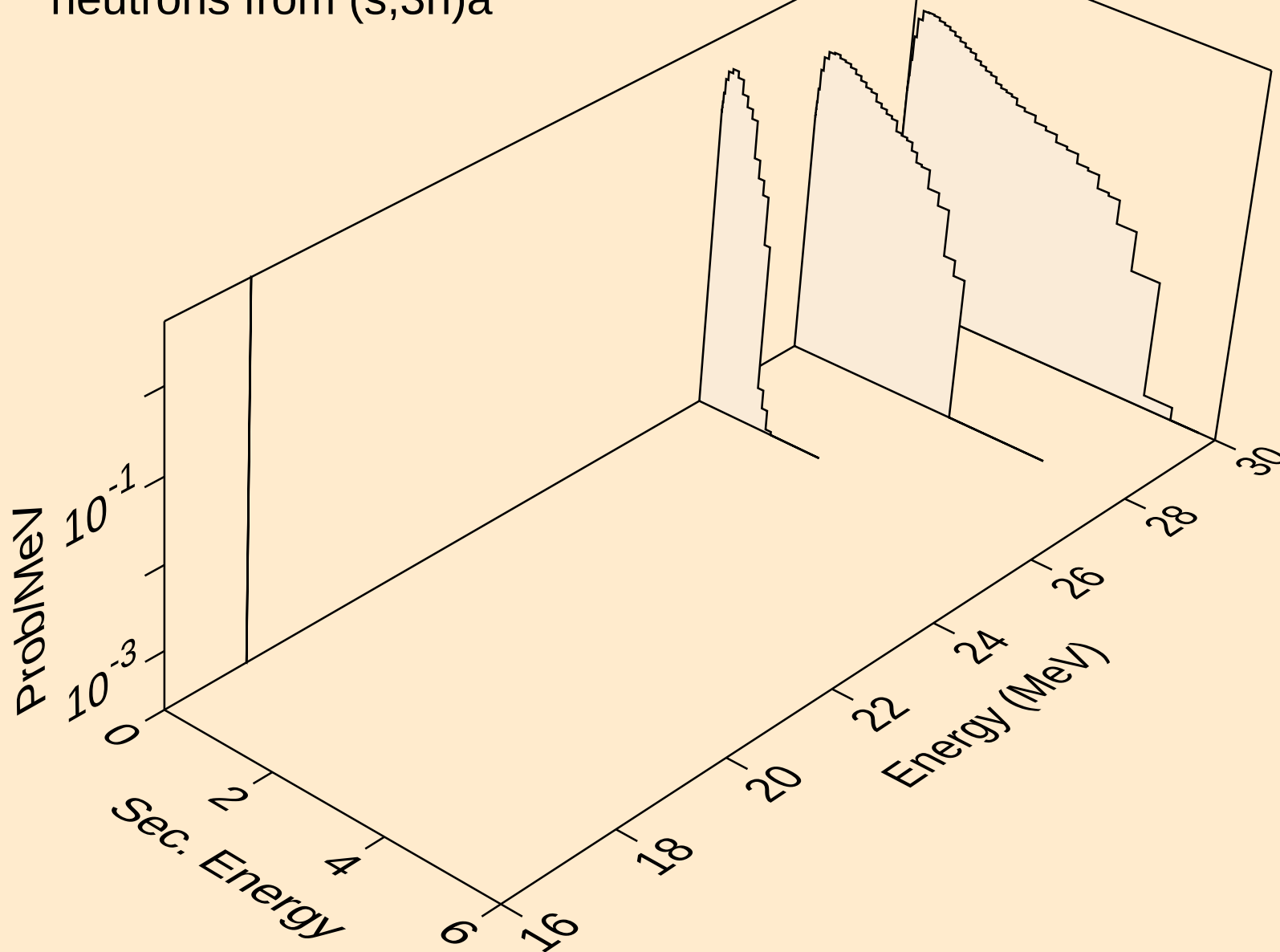
HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a



HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)a

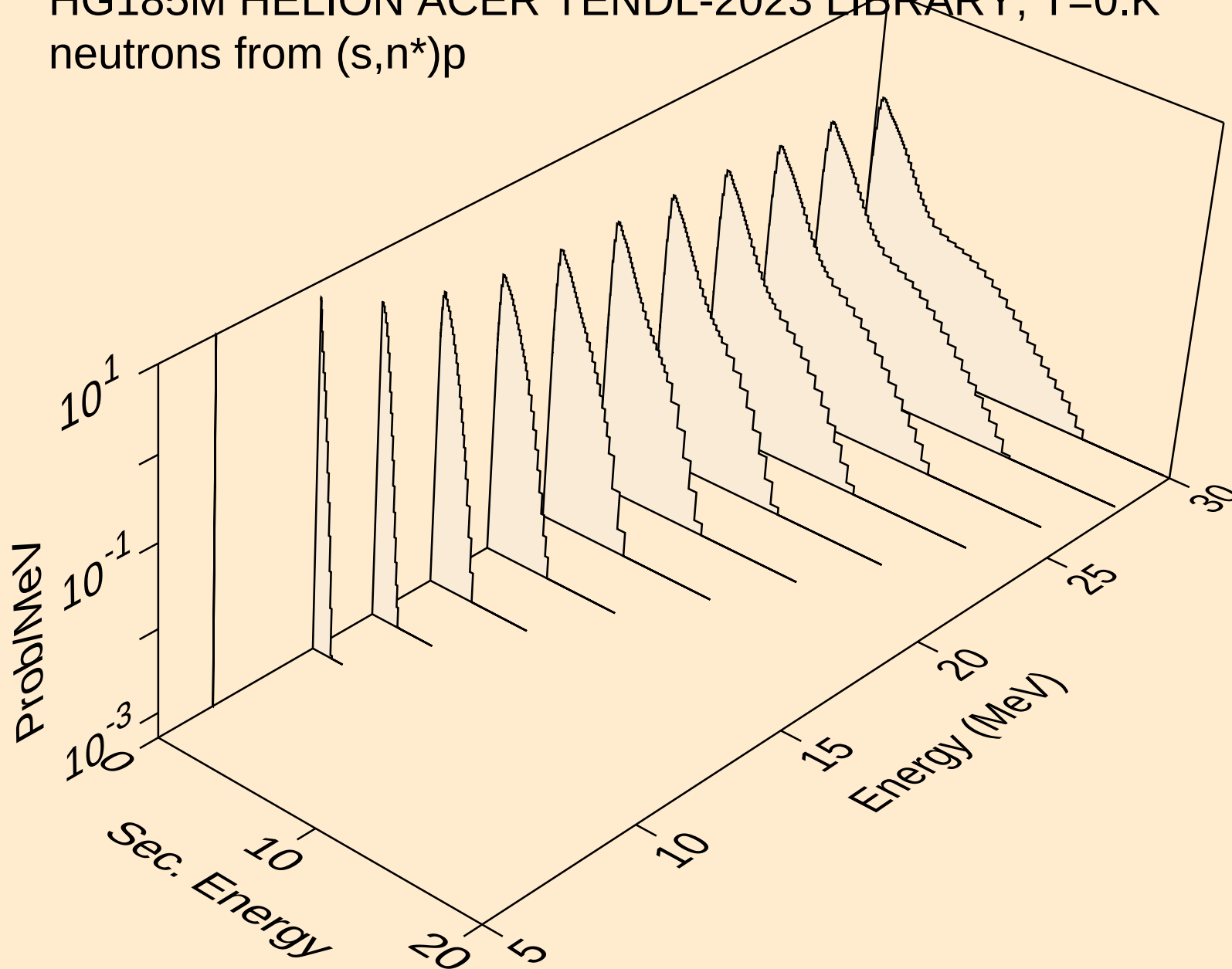


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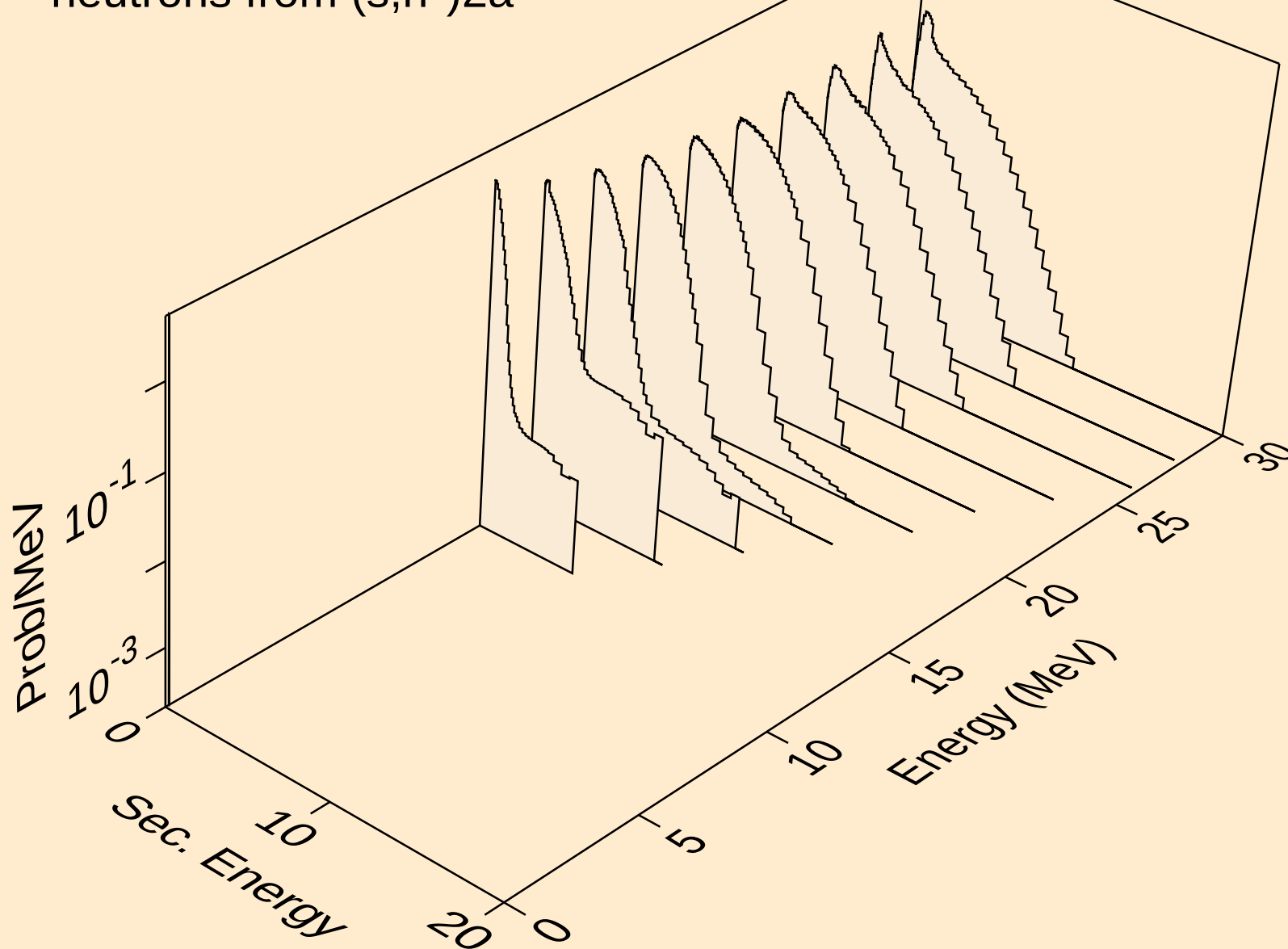




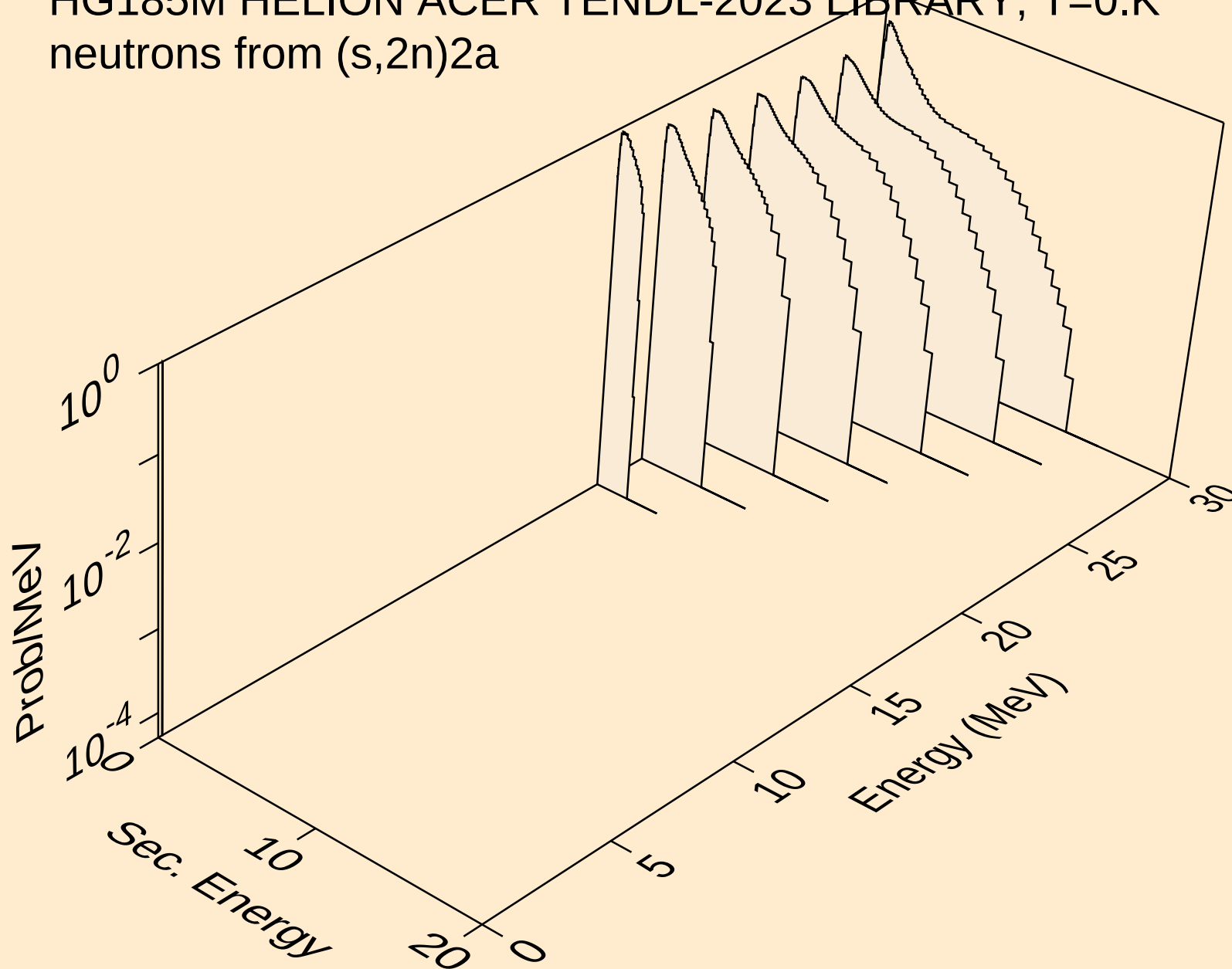
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neutrons from (s,n\*)p



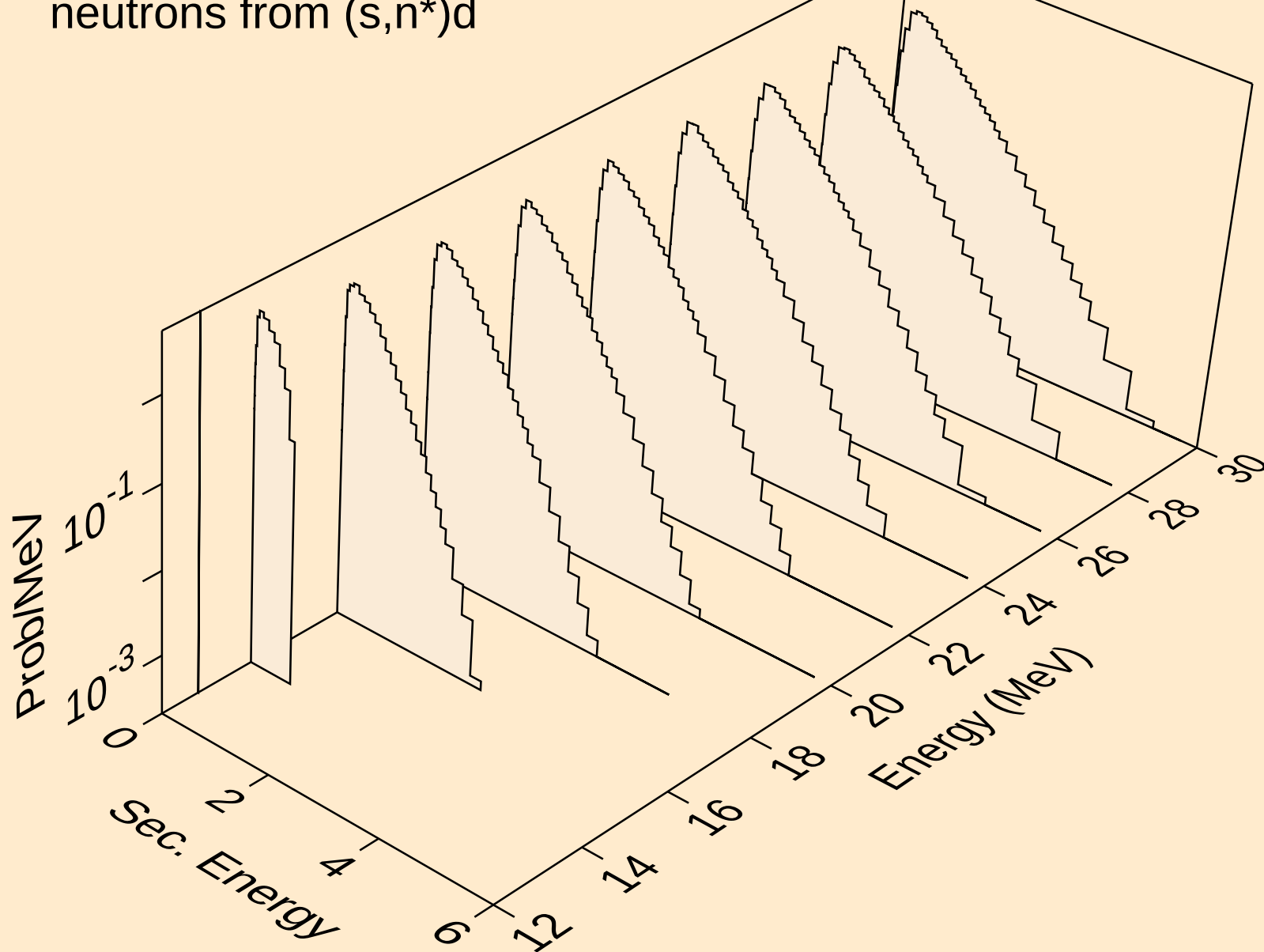
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neutrons from (s,n\*)2a



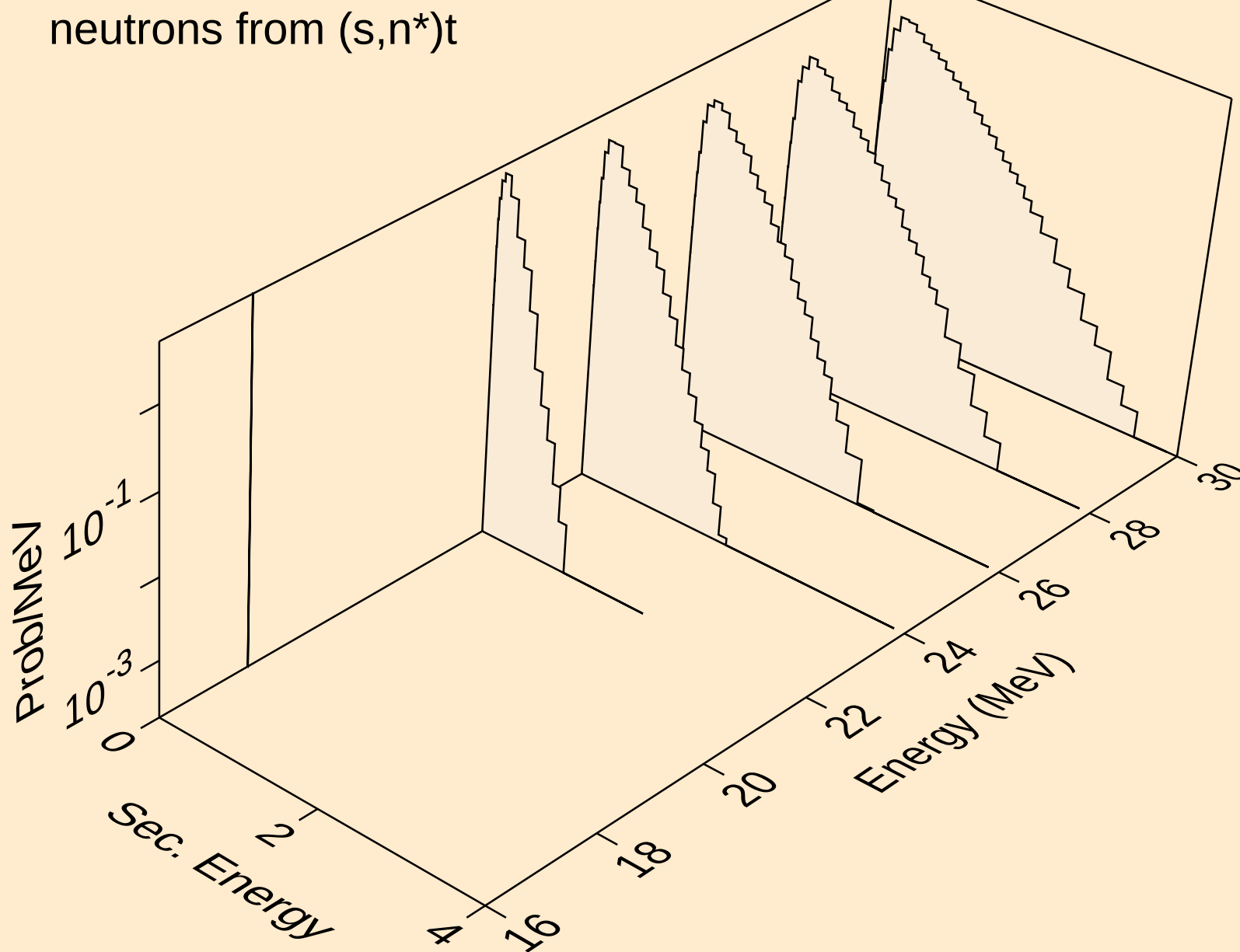
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neutrons from (s,2n)2a



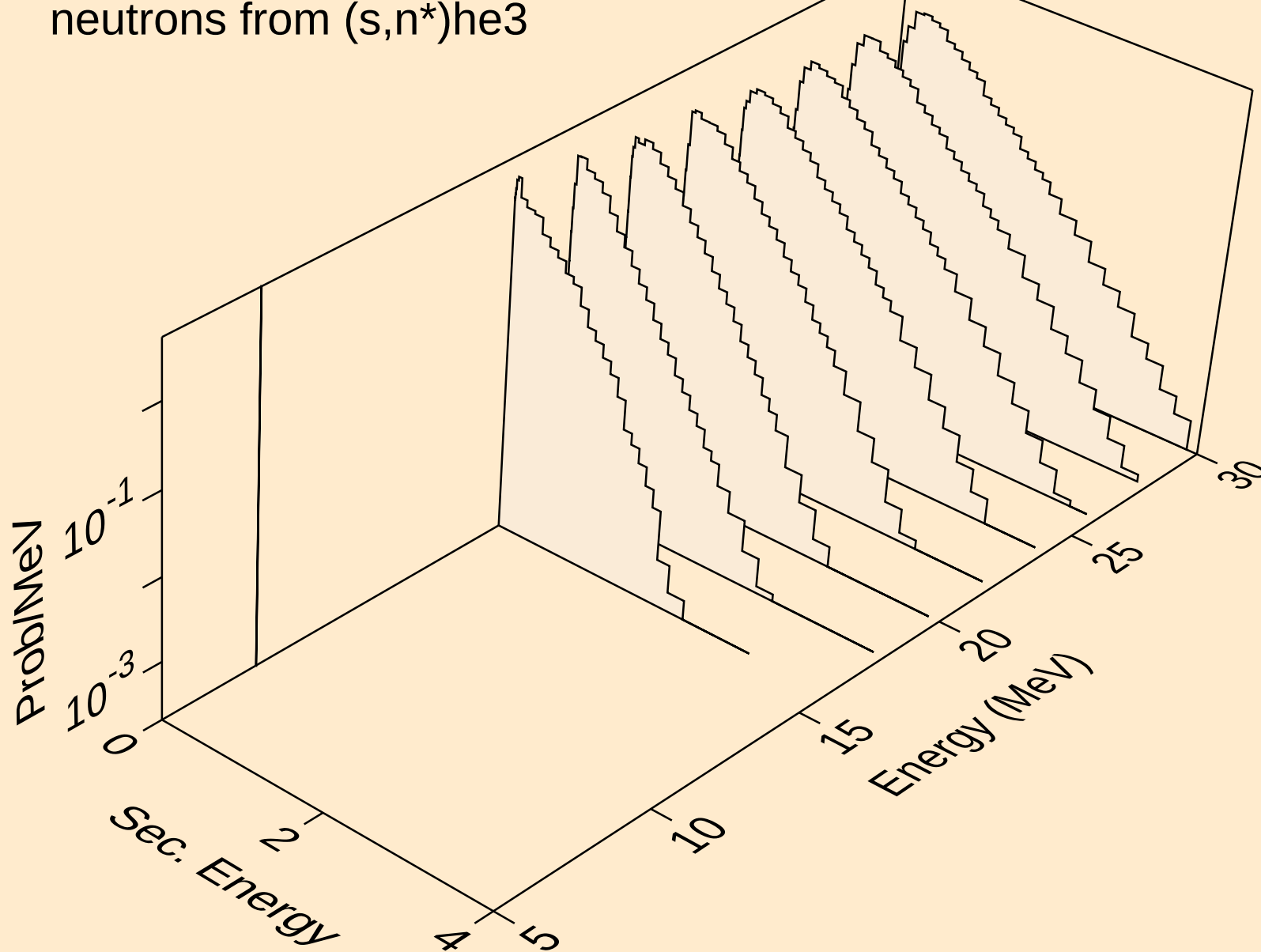
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neutrons from (s,n\*)d



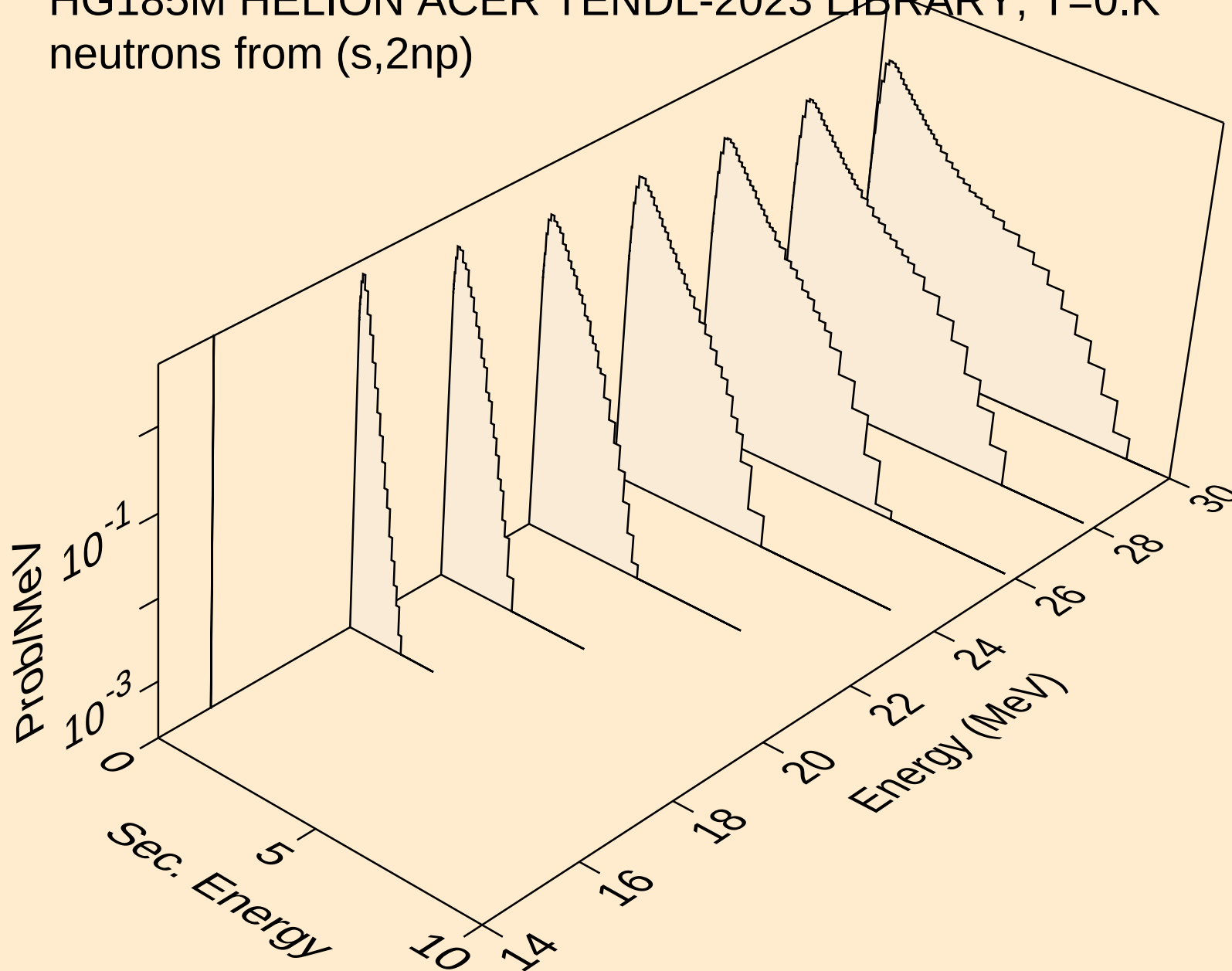
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neutrons from (s,n\*)t



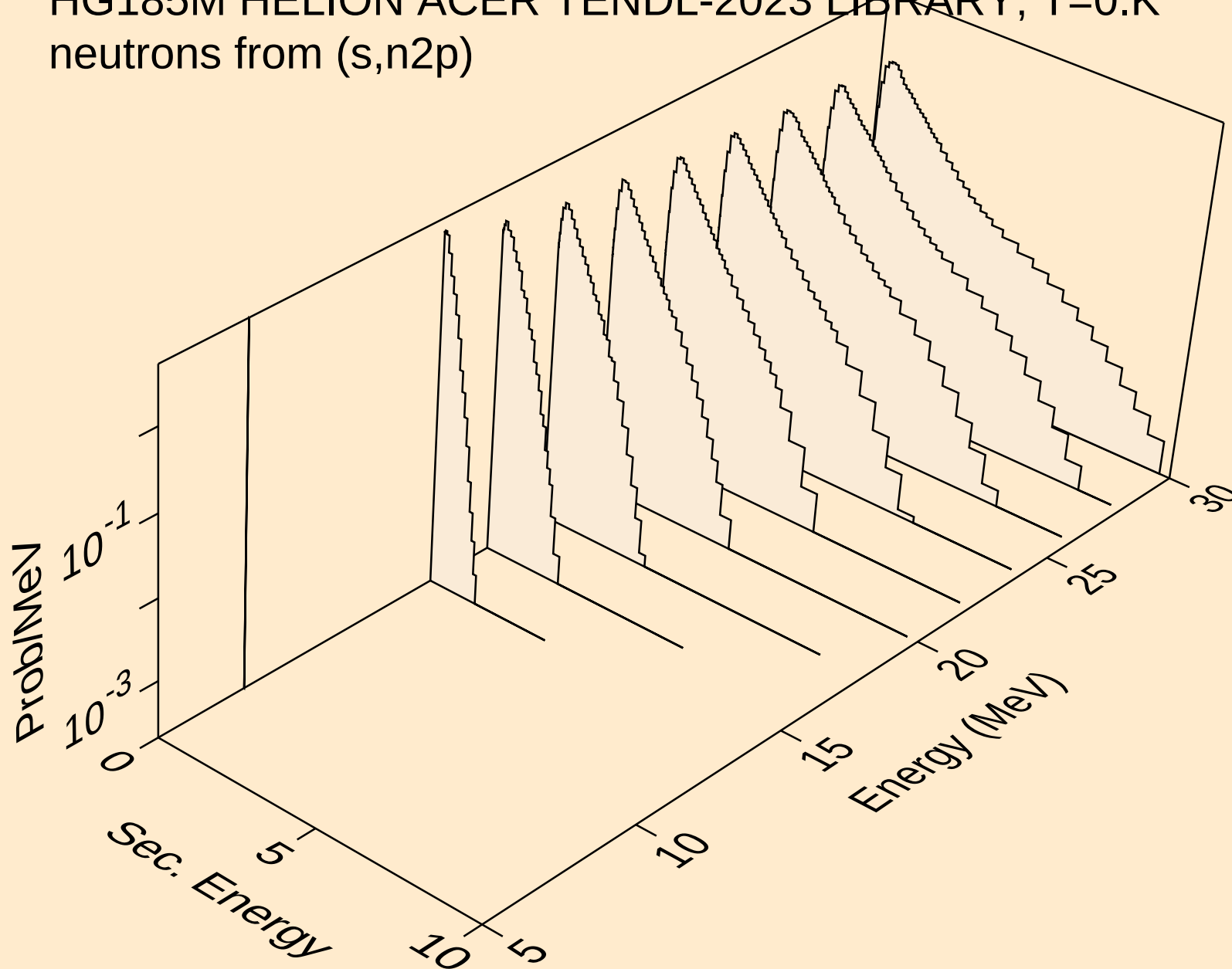
HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3



HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2np)

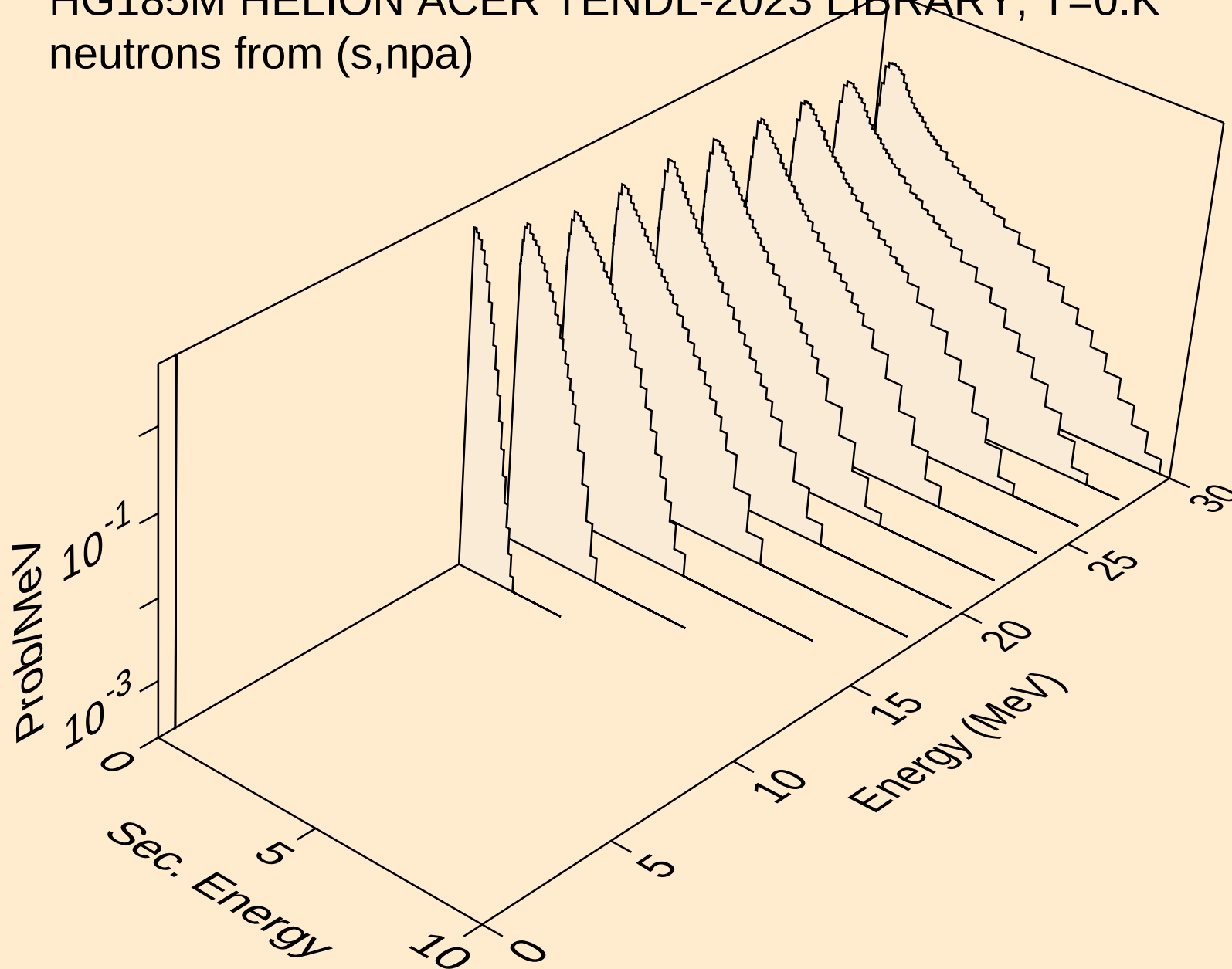


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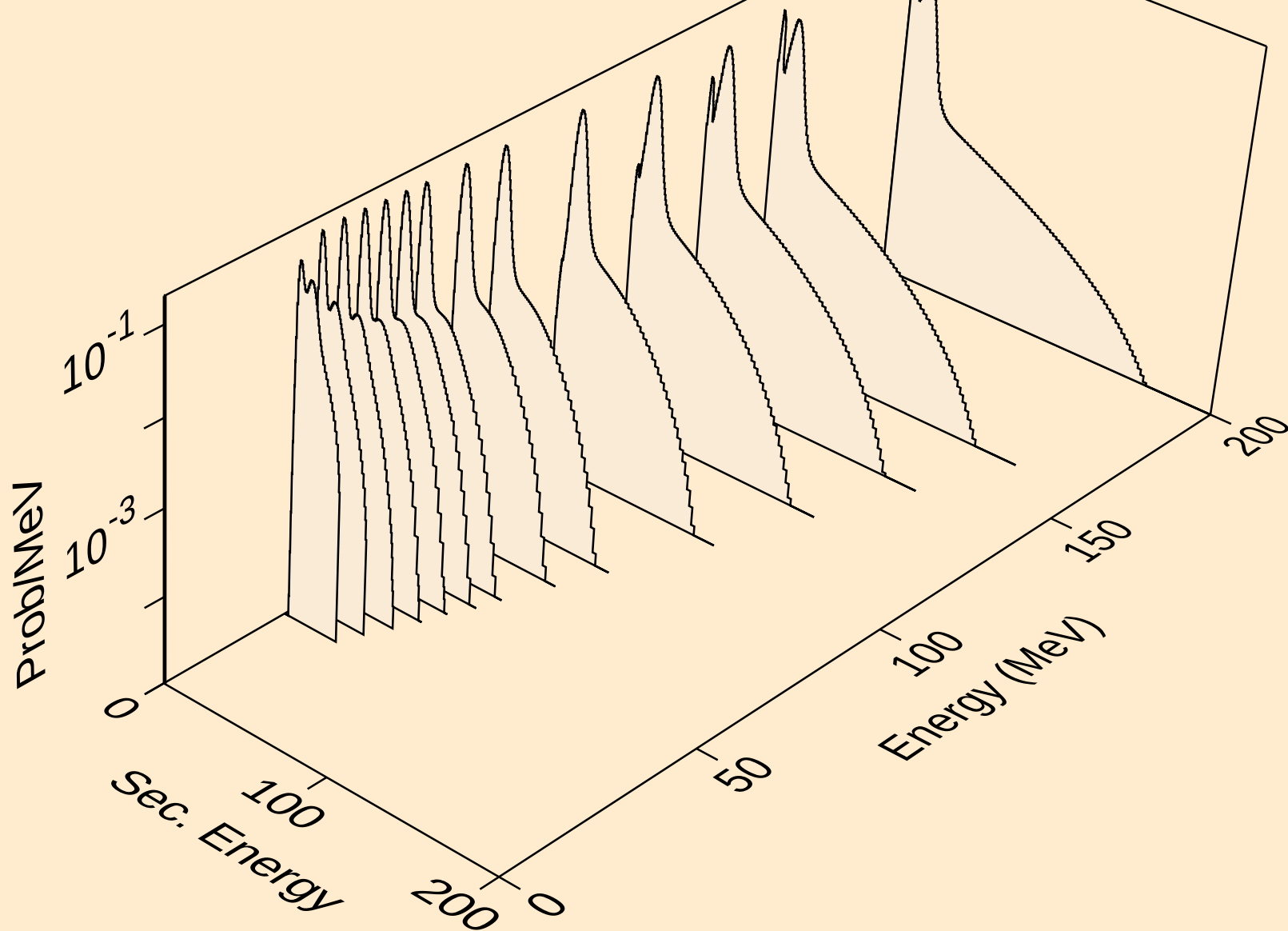




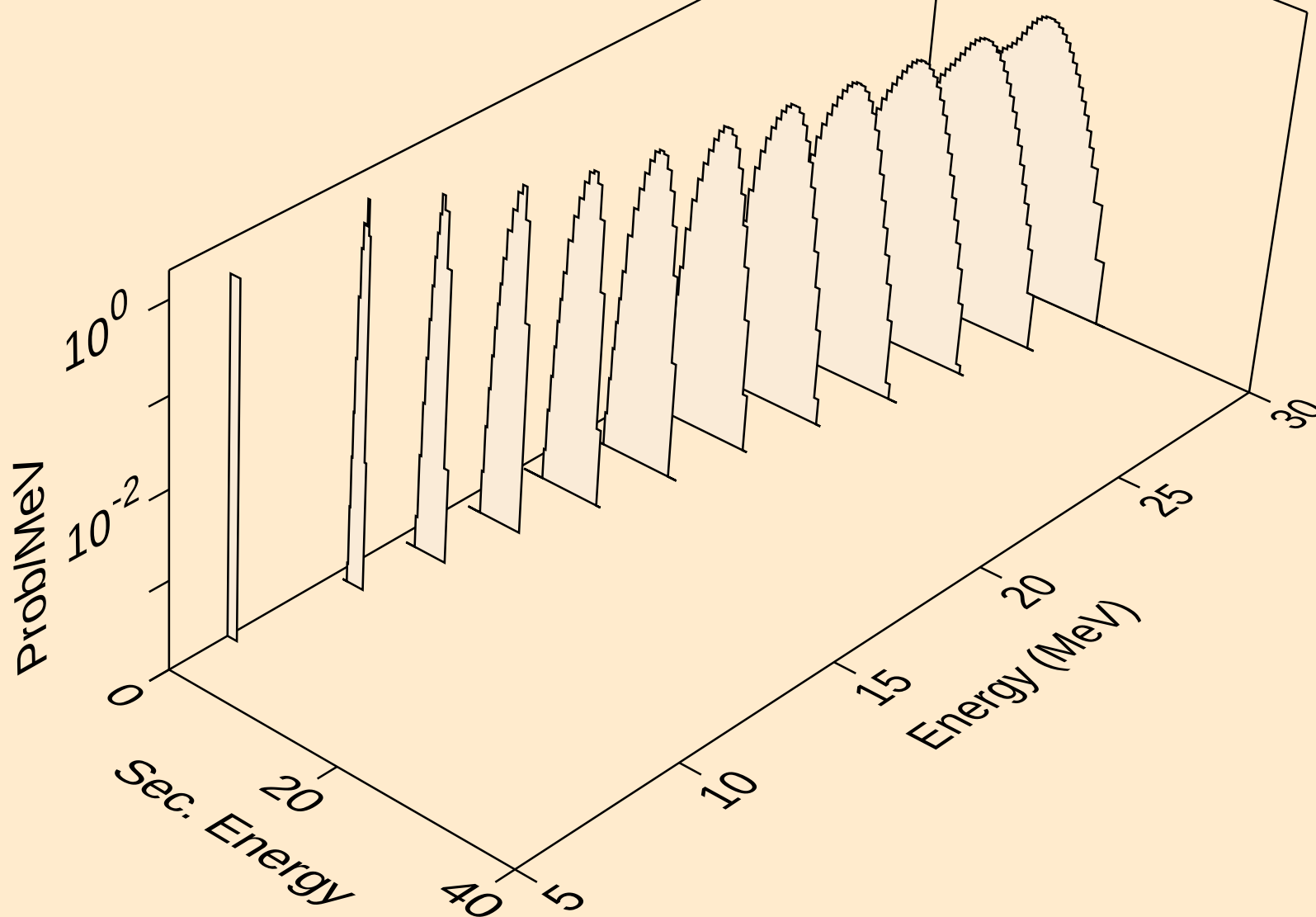
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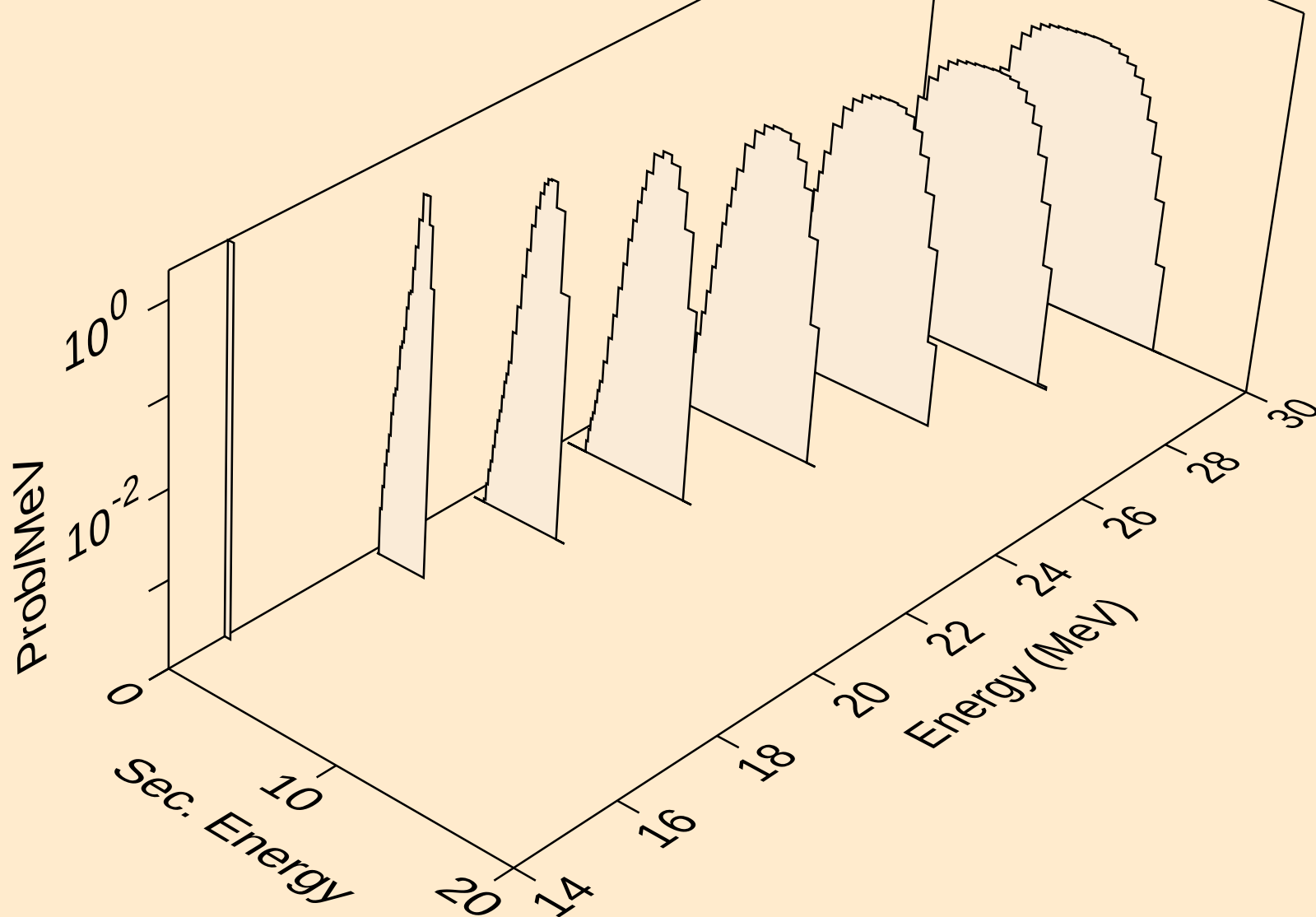
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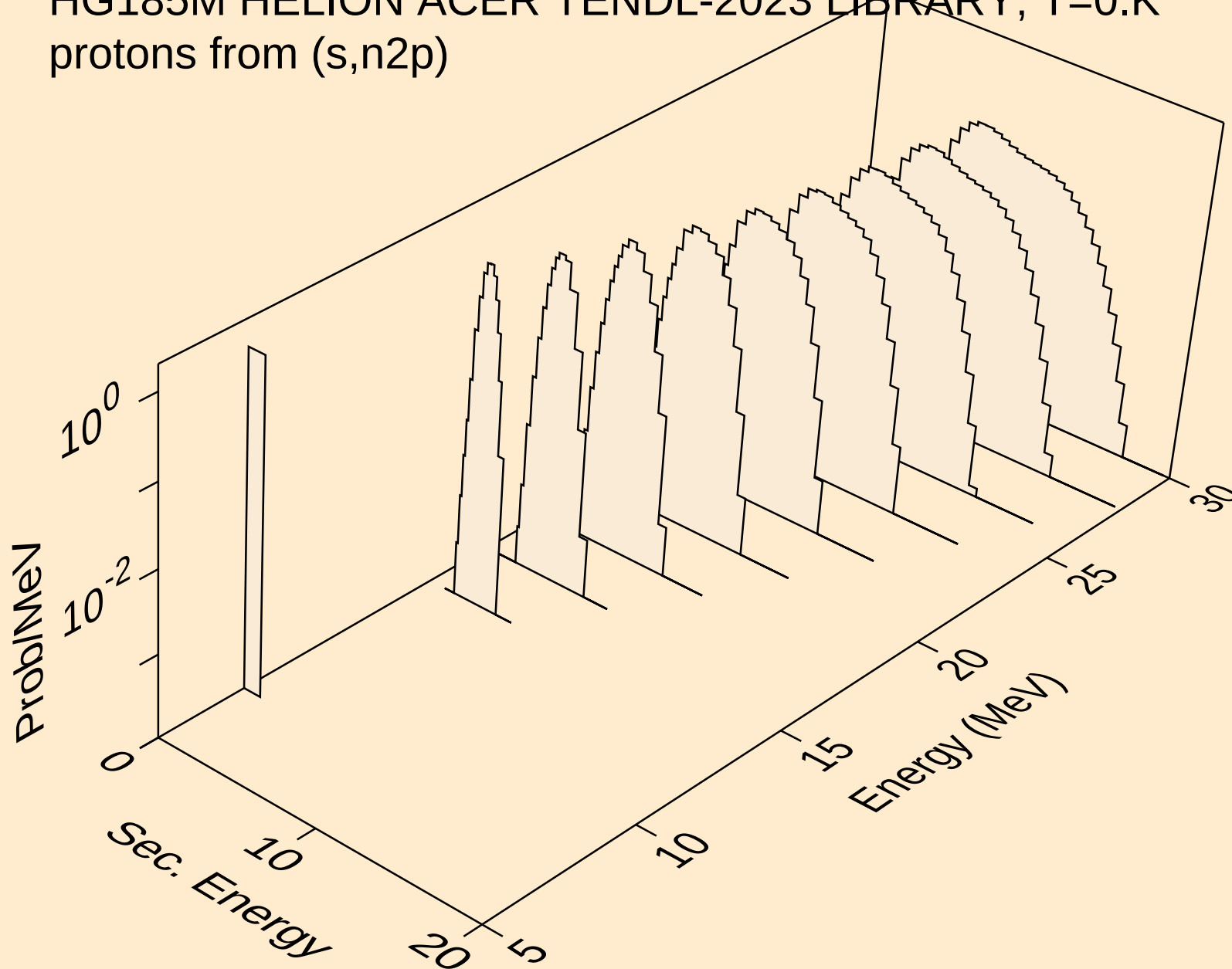
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protons from (s,n\*)p



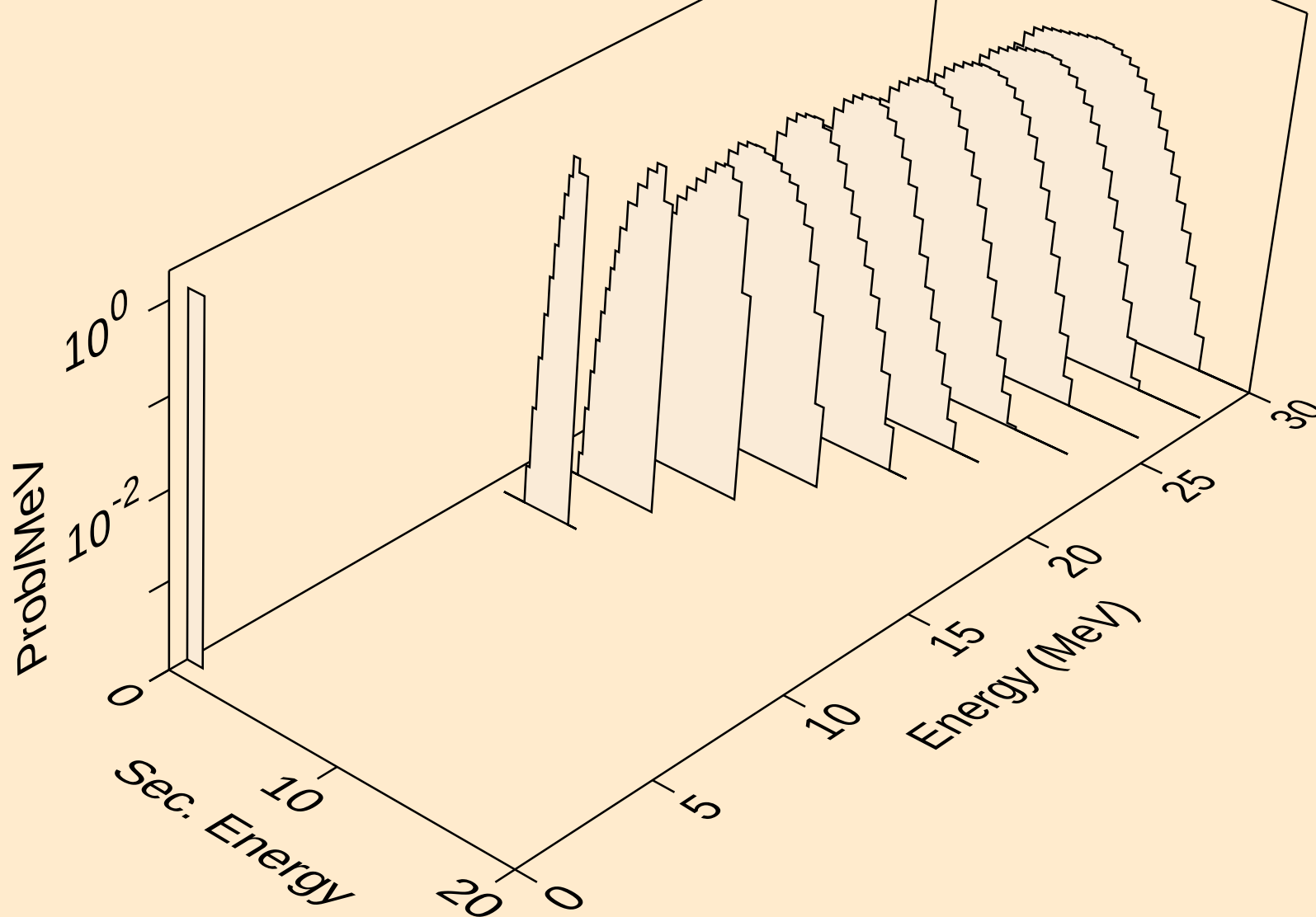
HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,2np)



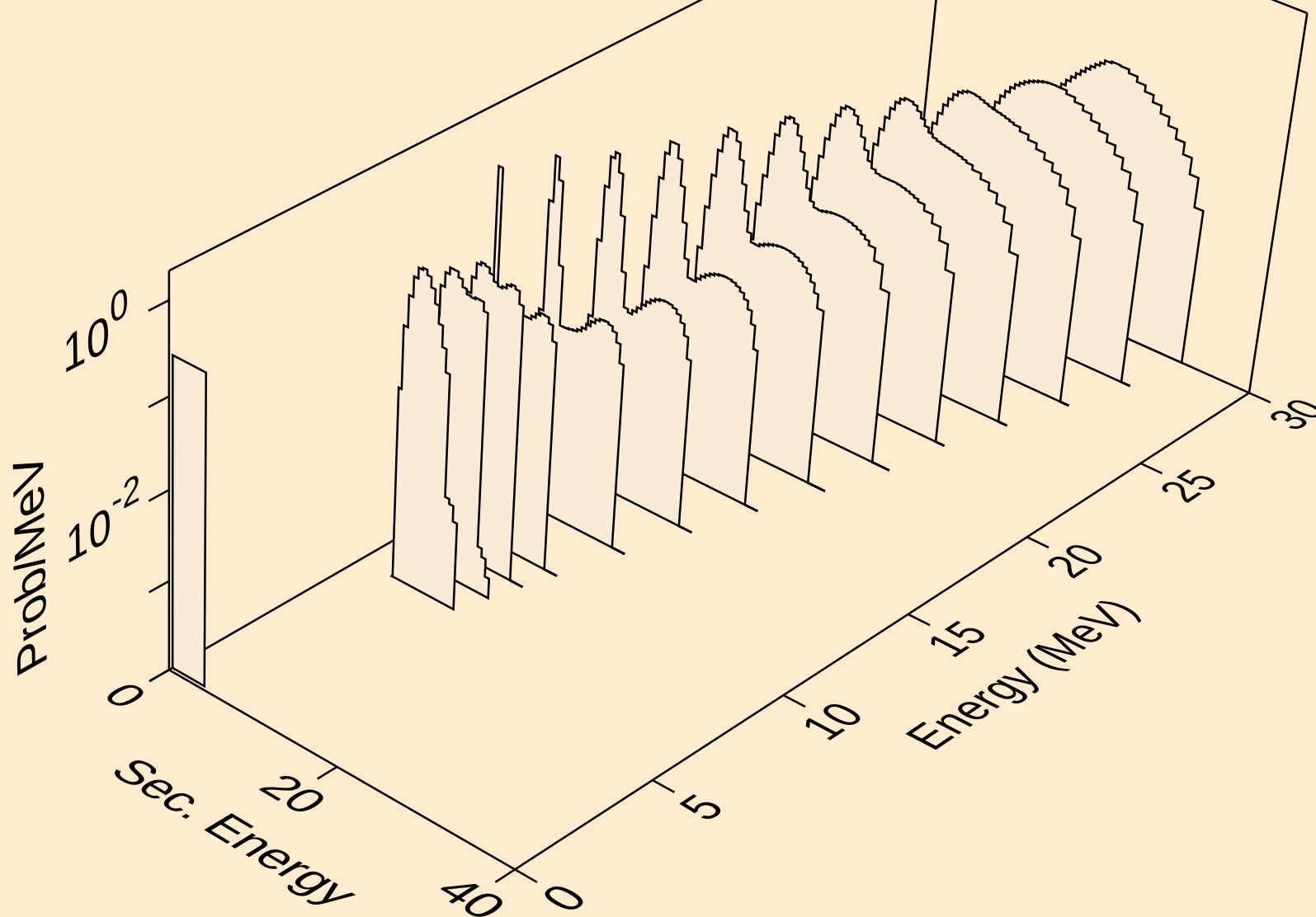
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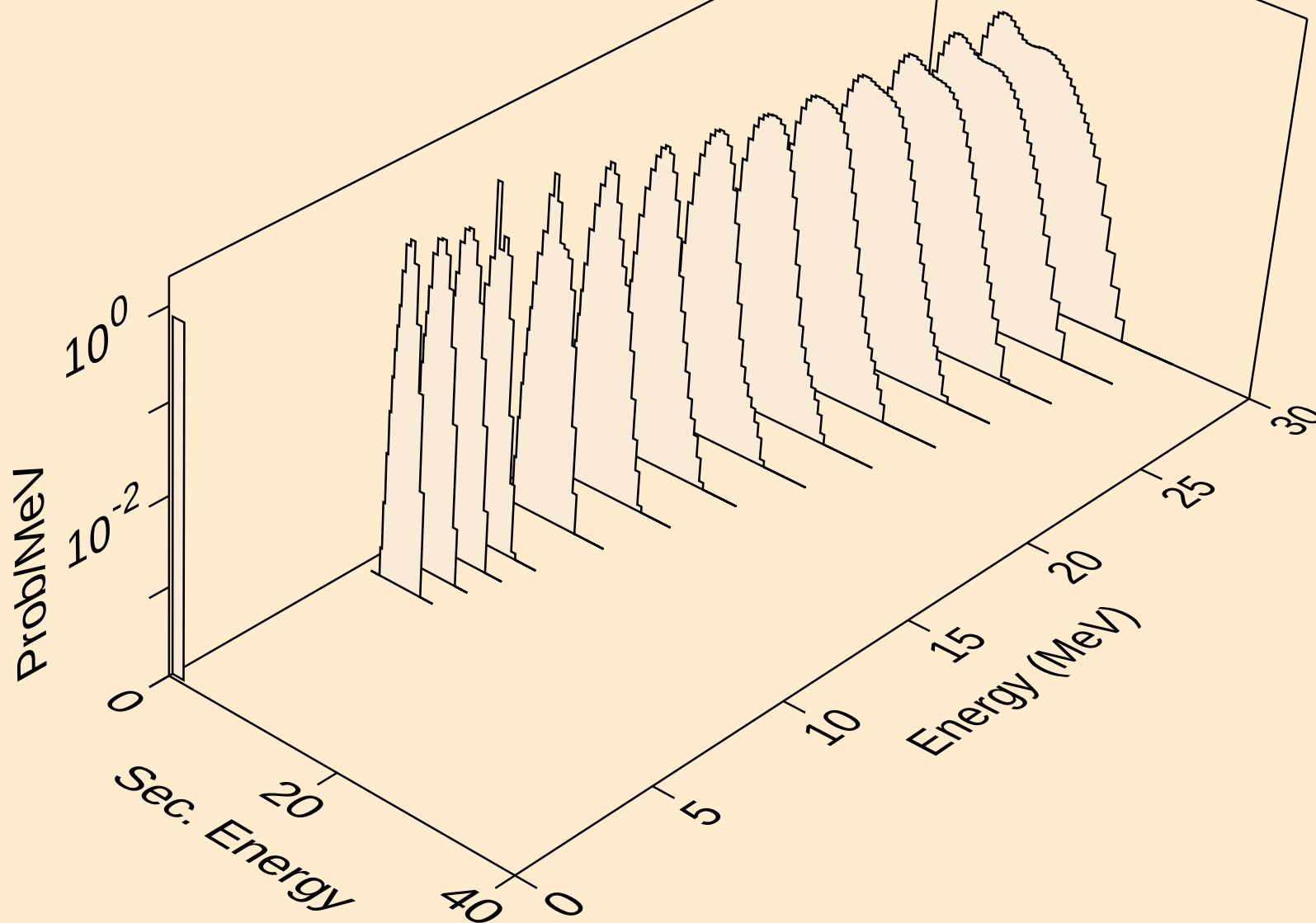
HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,npa)



HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,p)

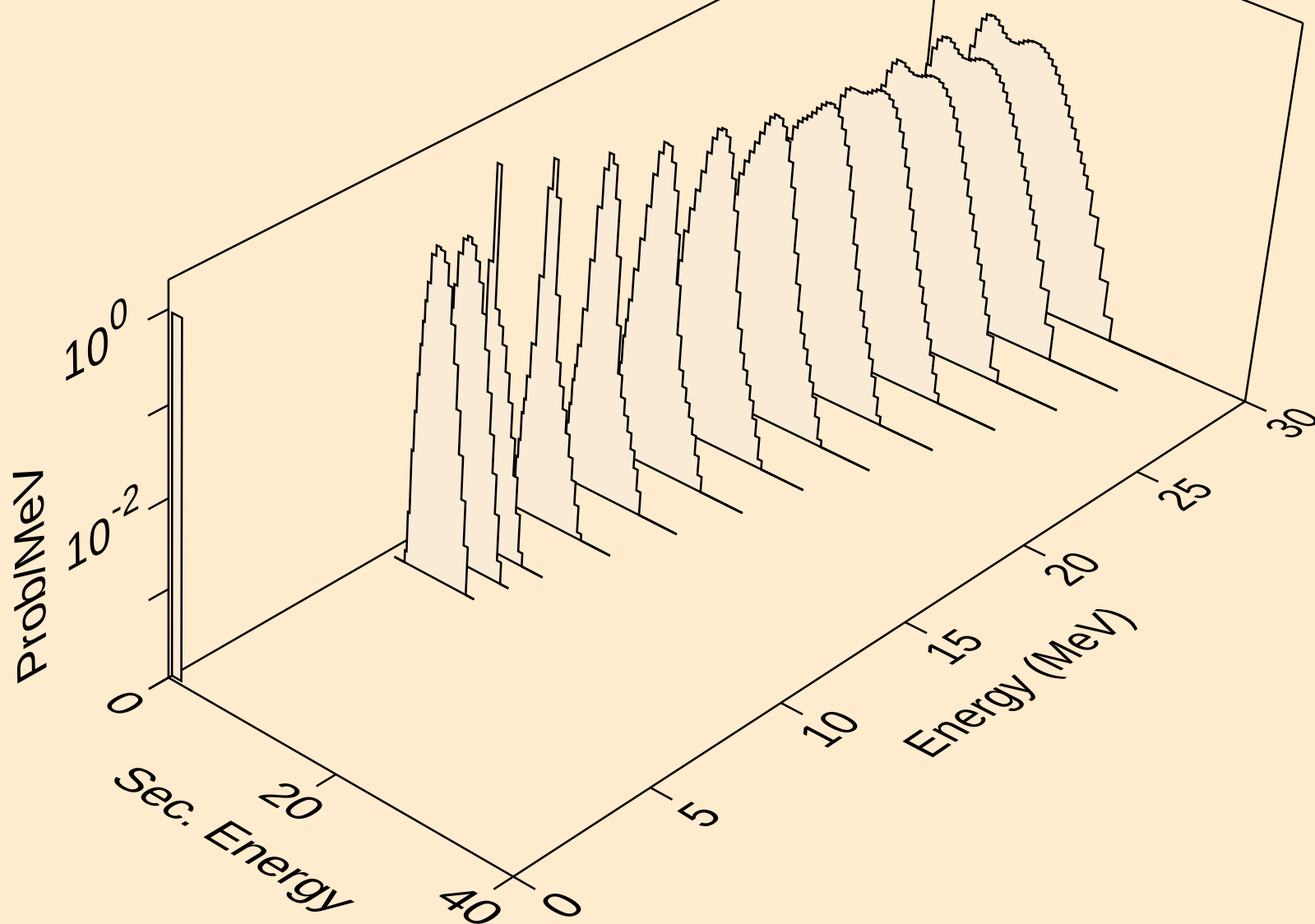


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protons from (s,2p)

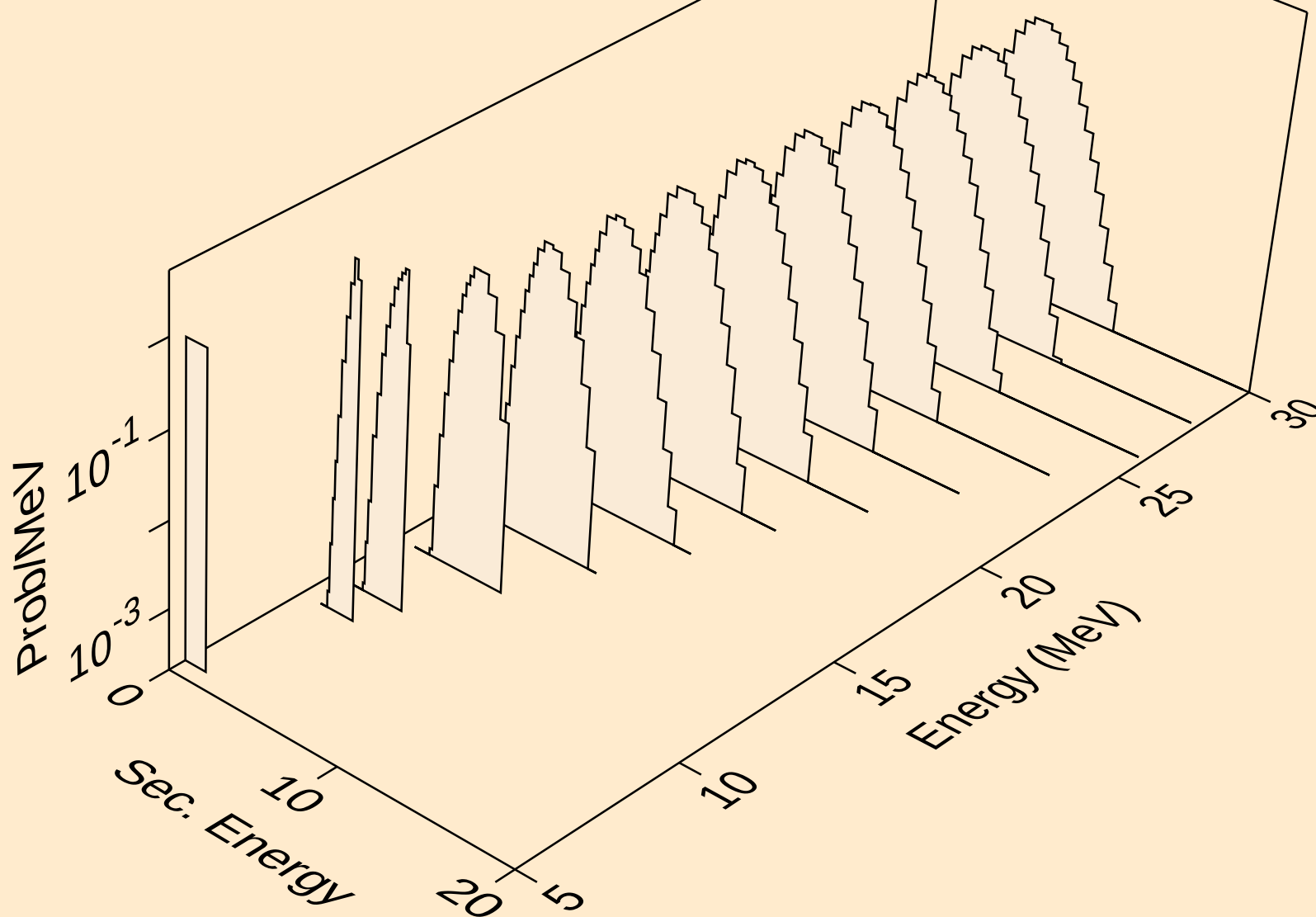




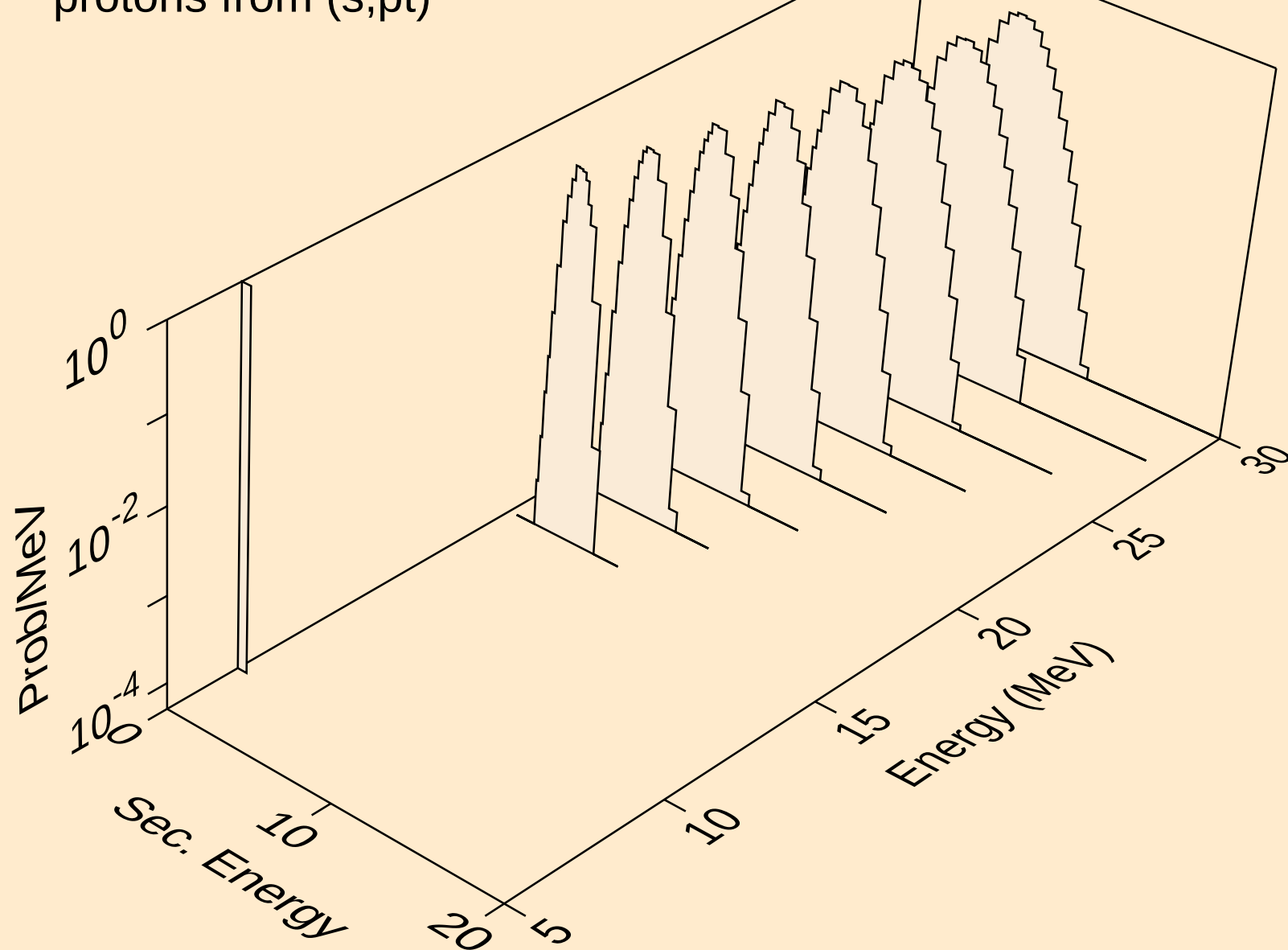
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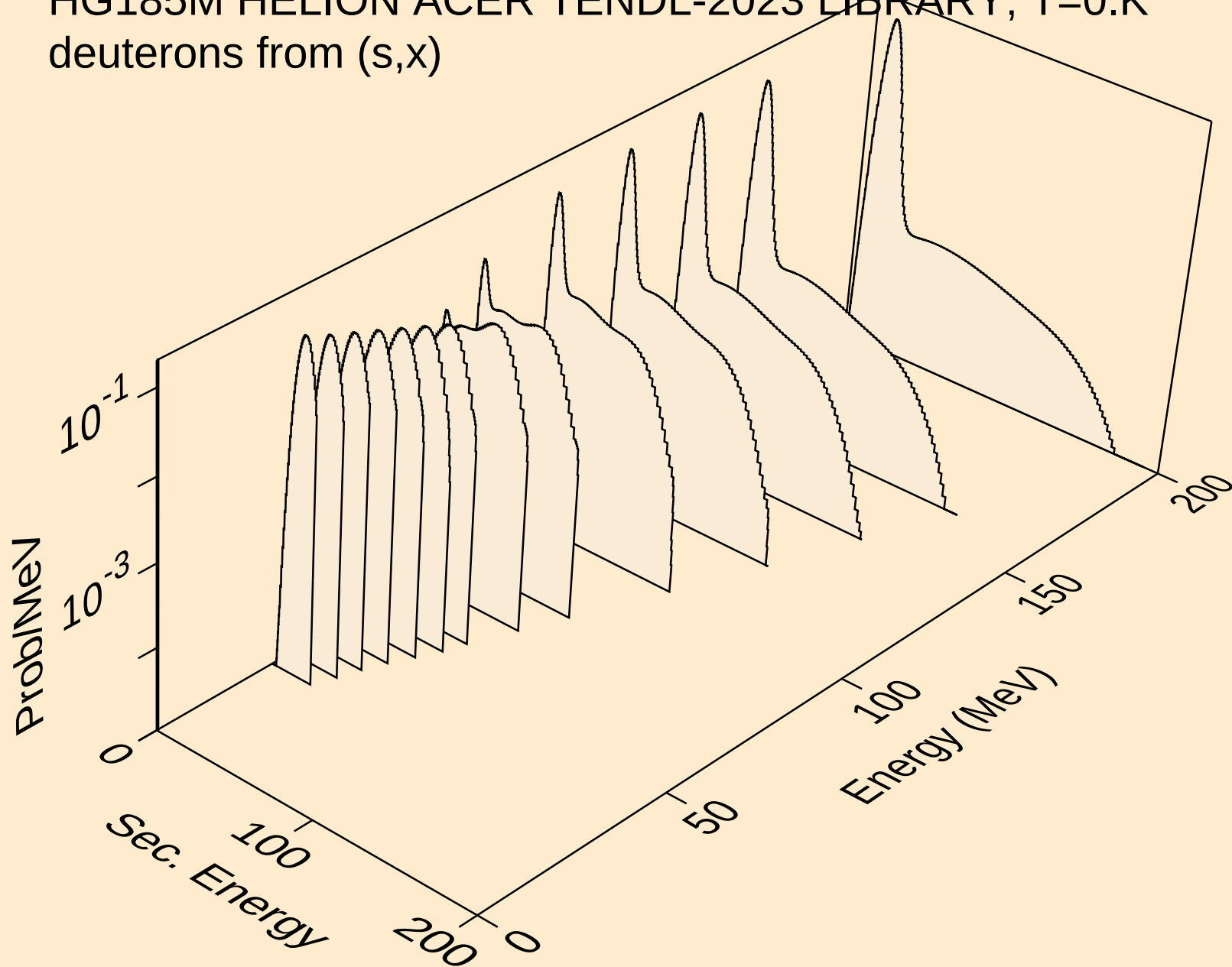
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protons from (s,pd)



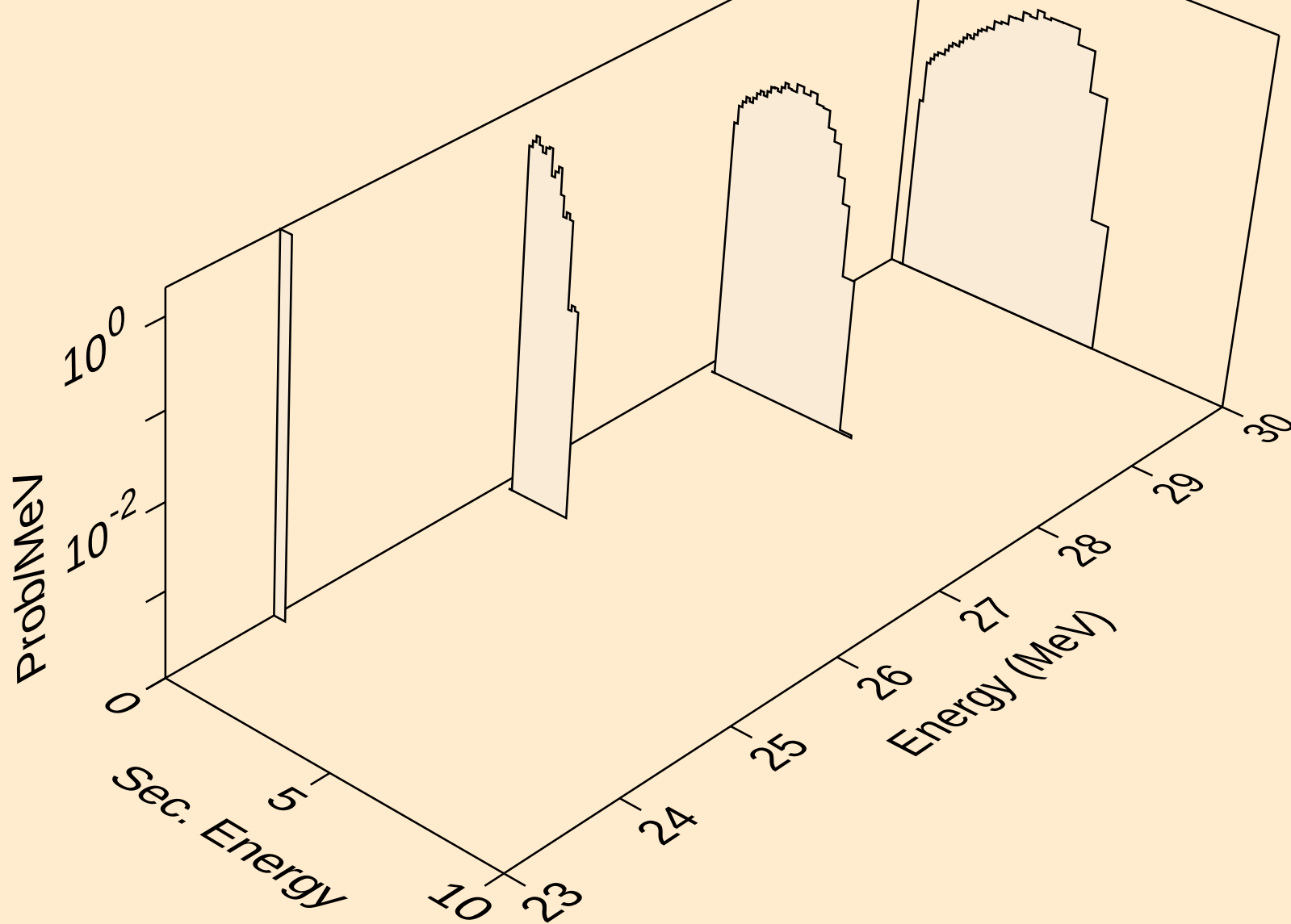
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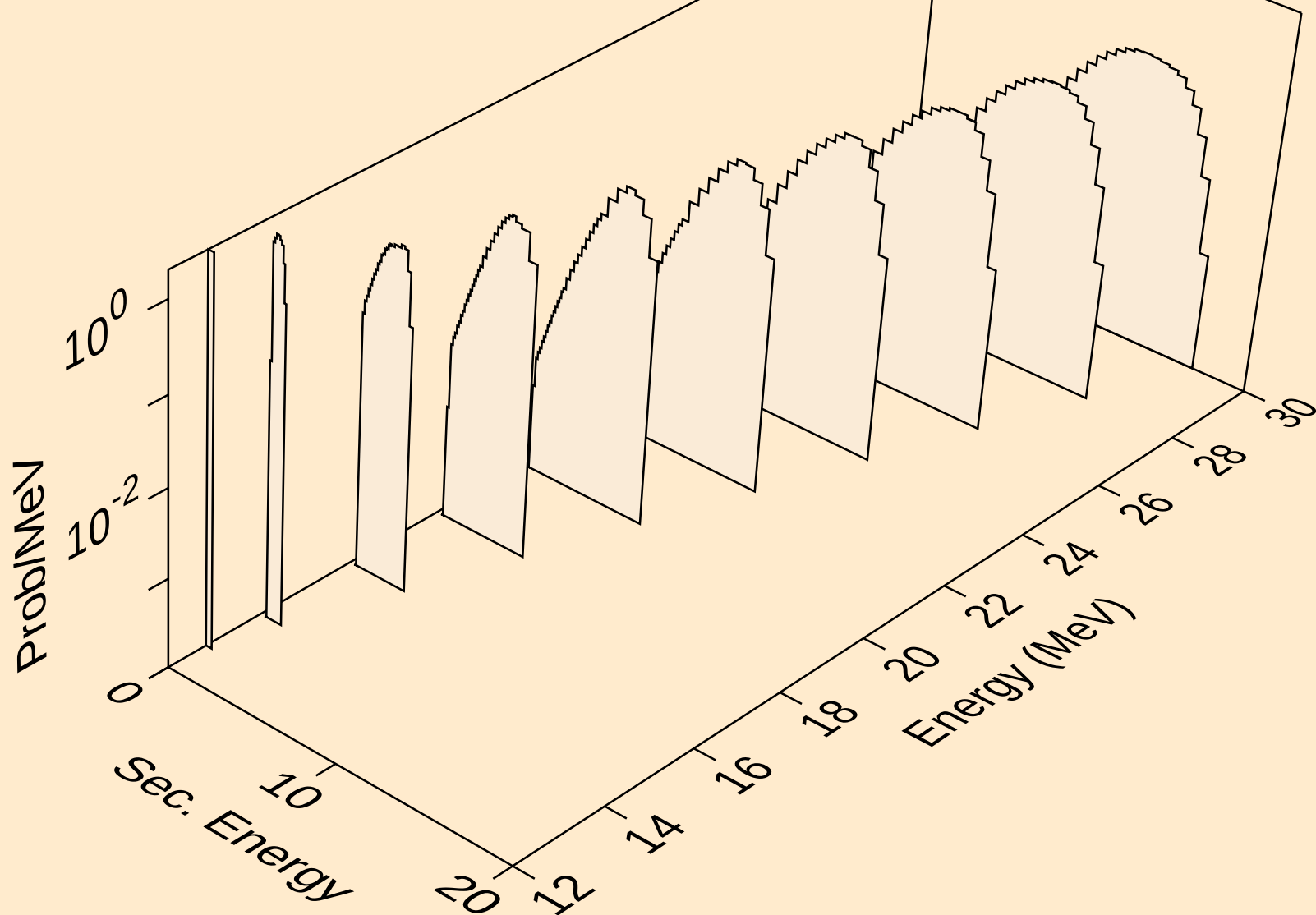
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deuterons from (s,x)



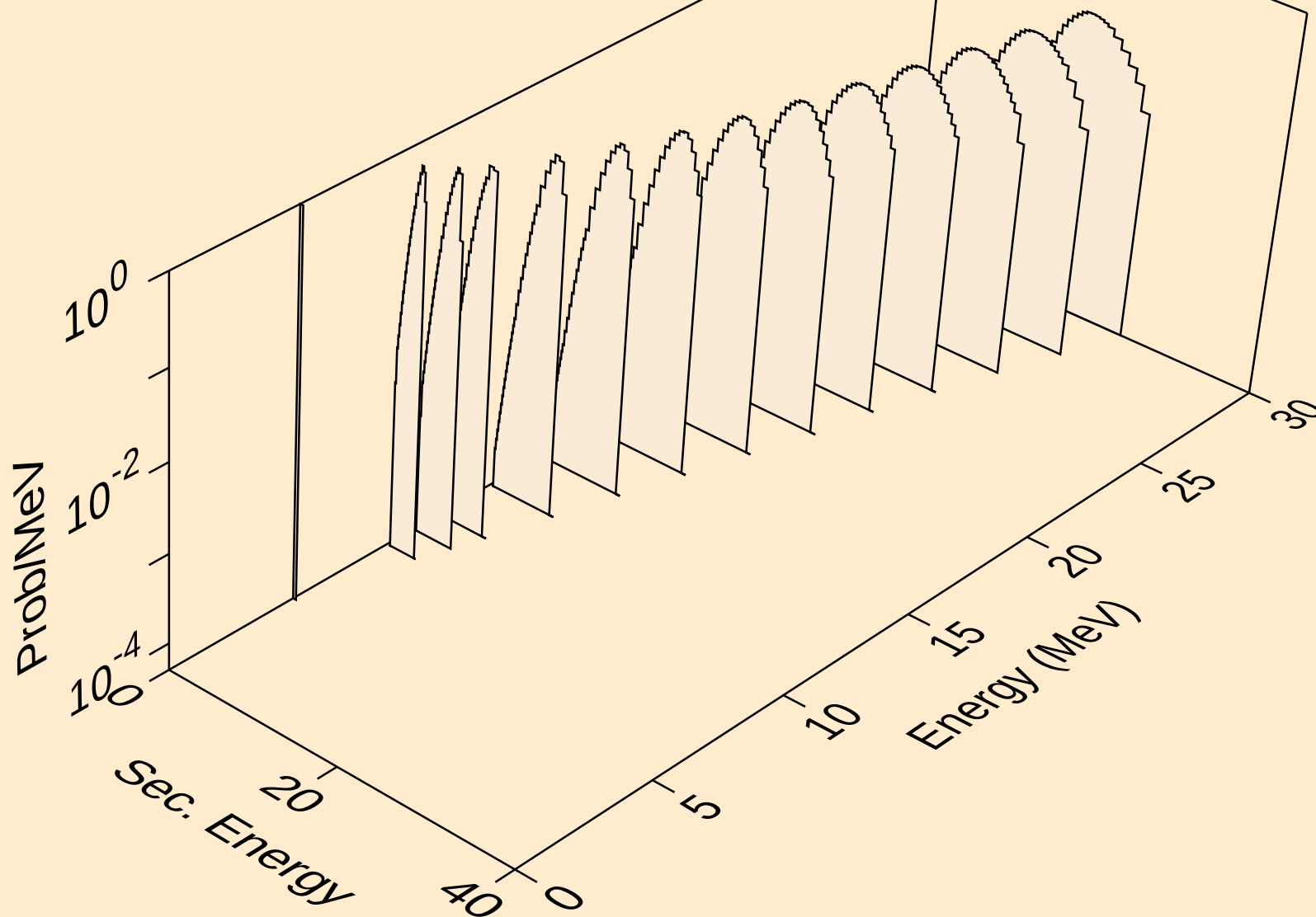
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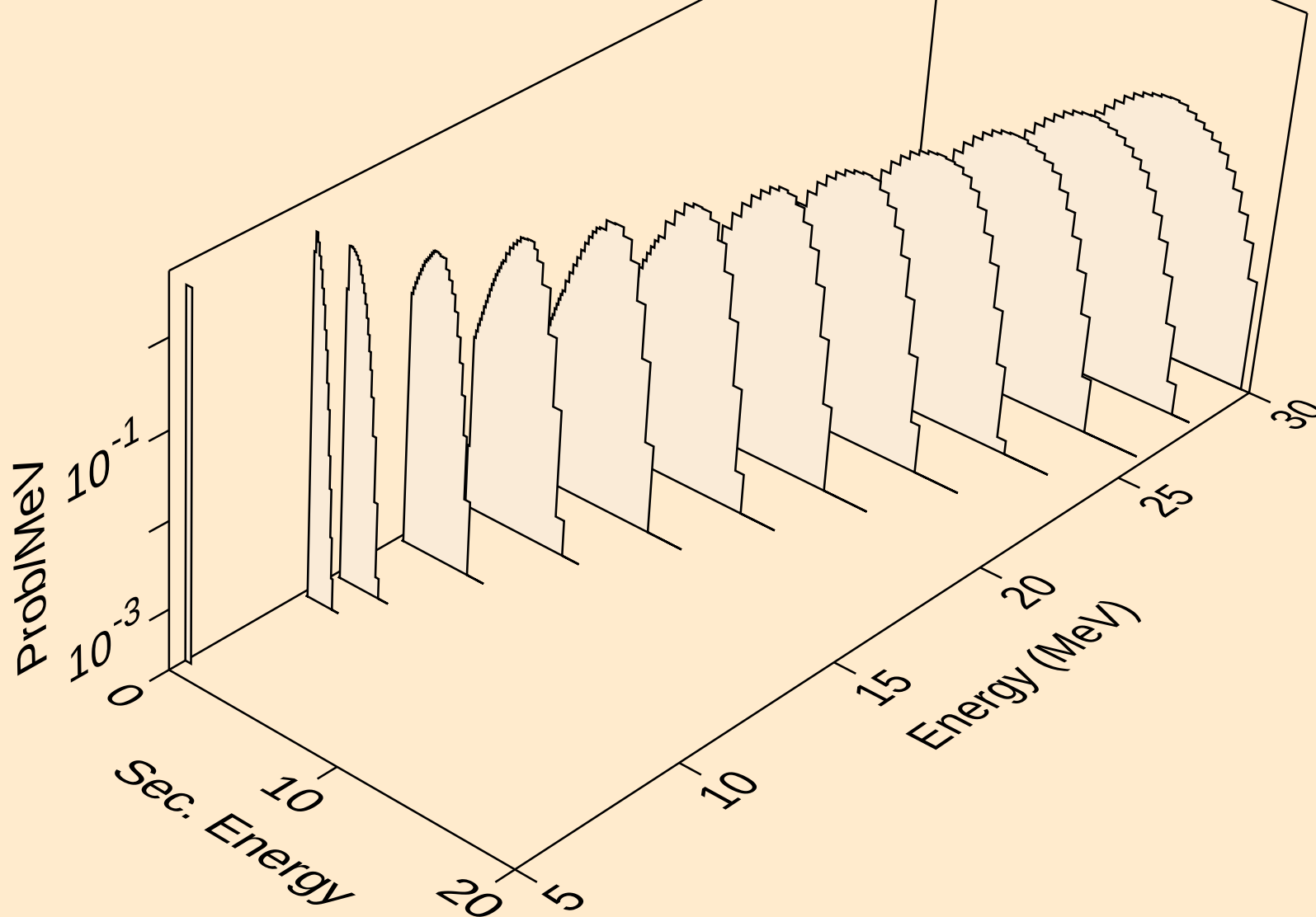
HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,n\*)d



HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,d)

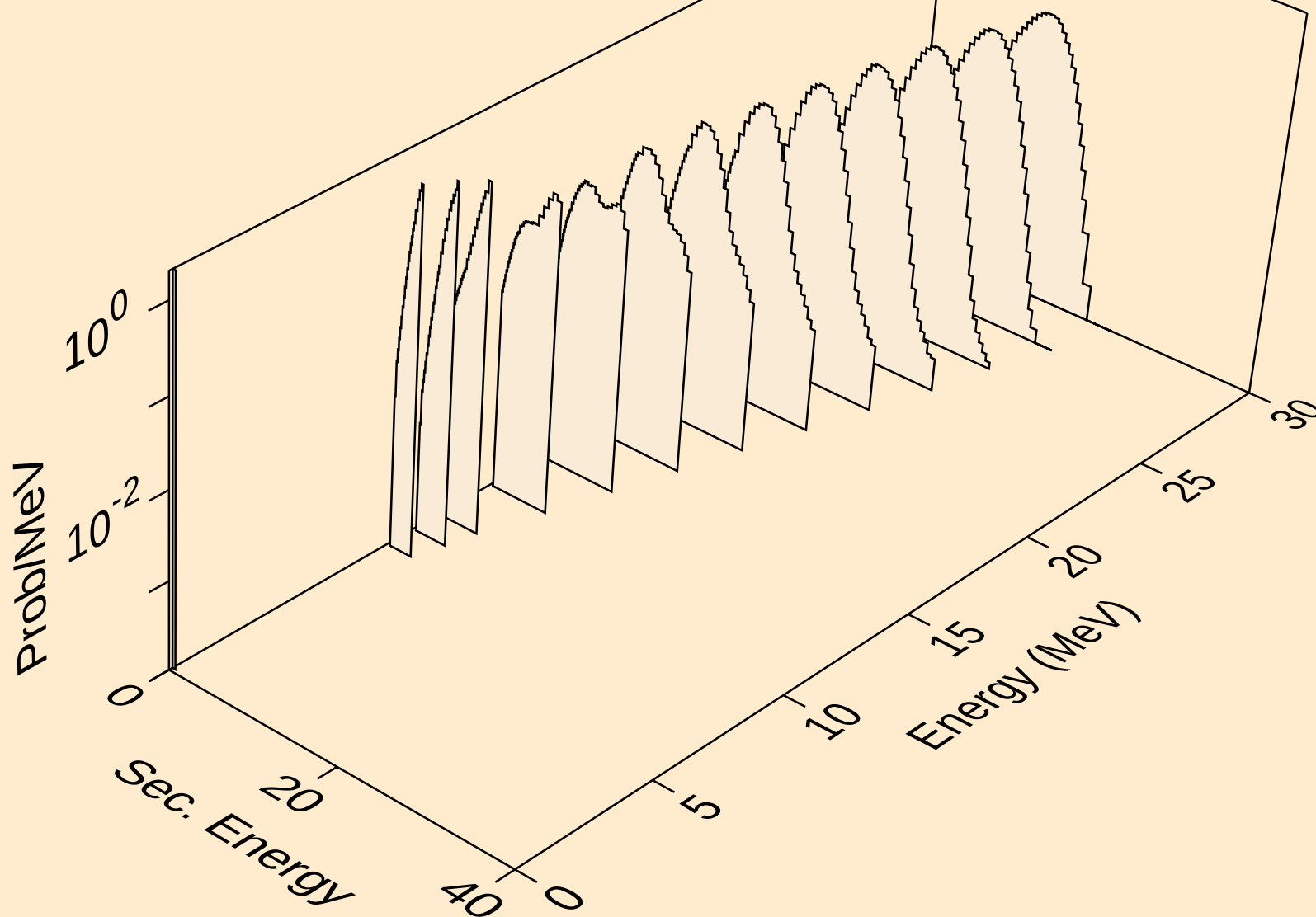


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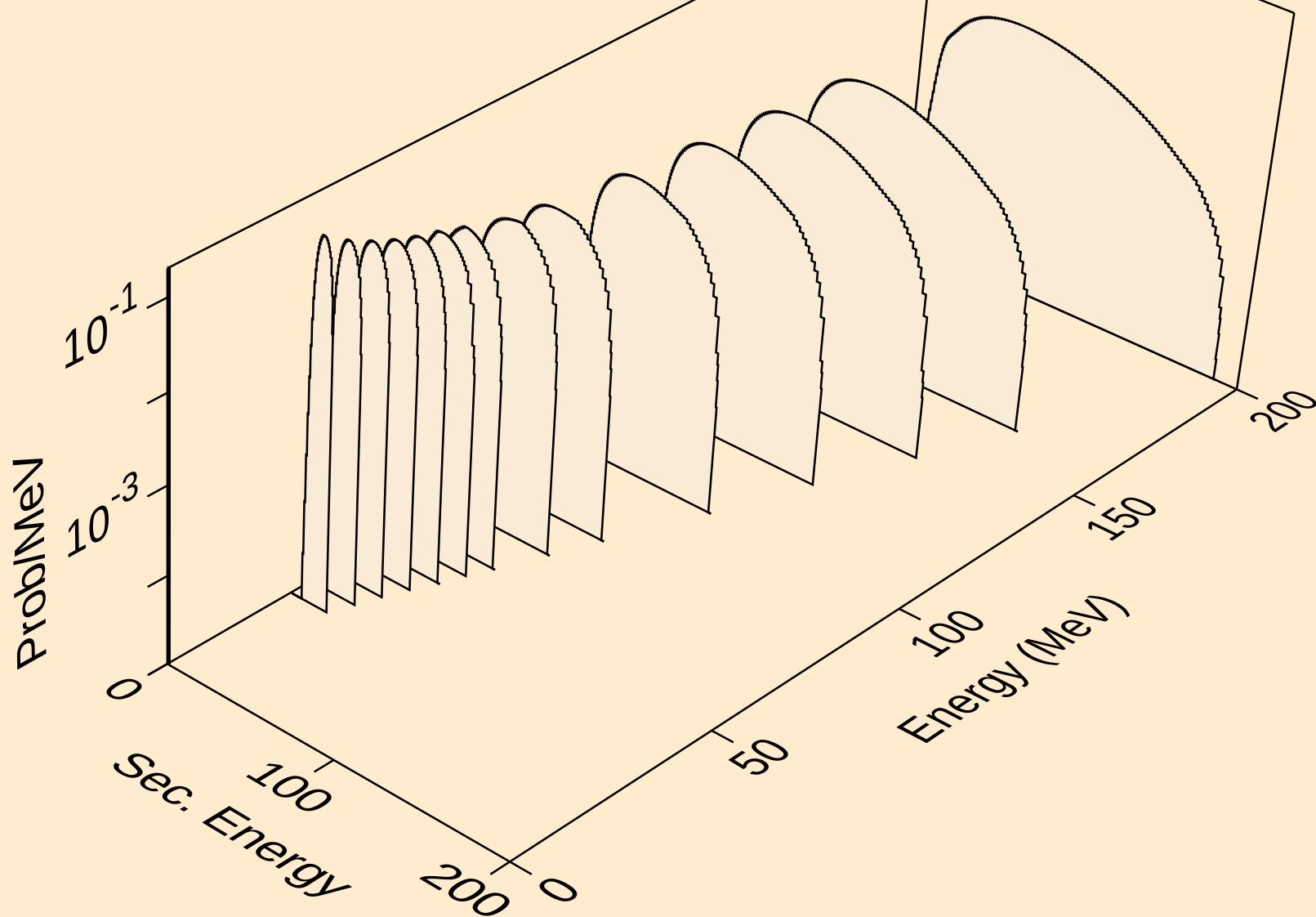




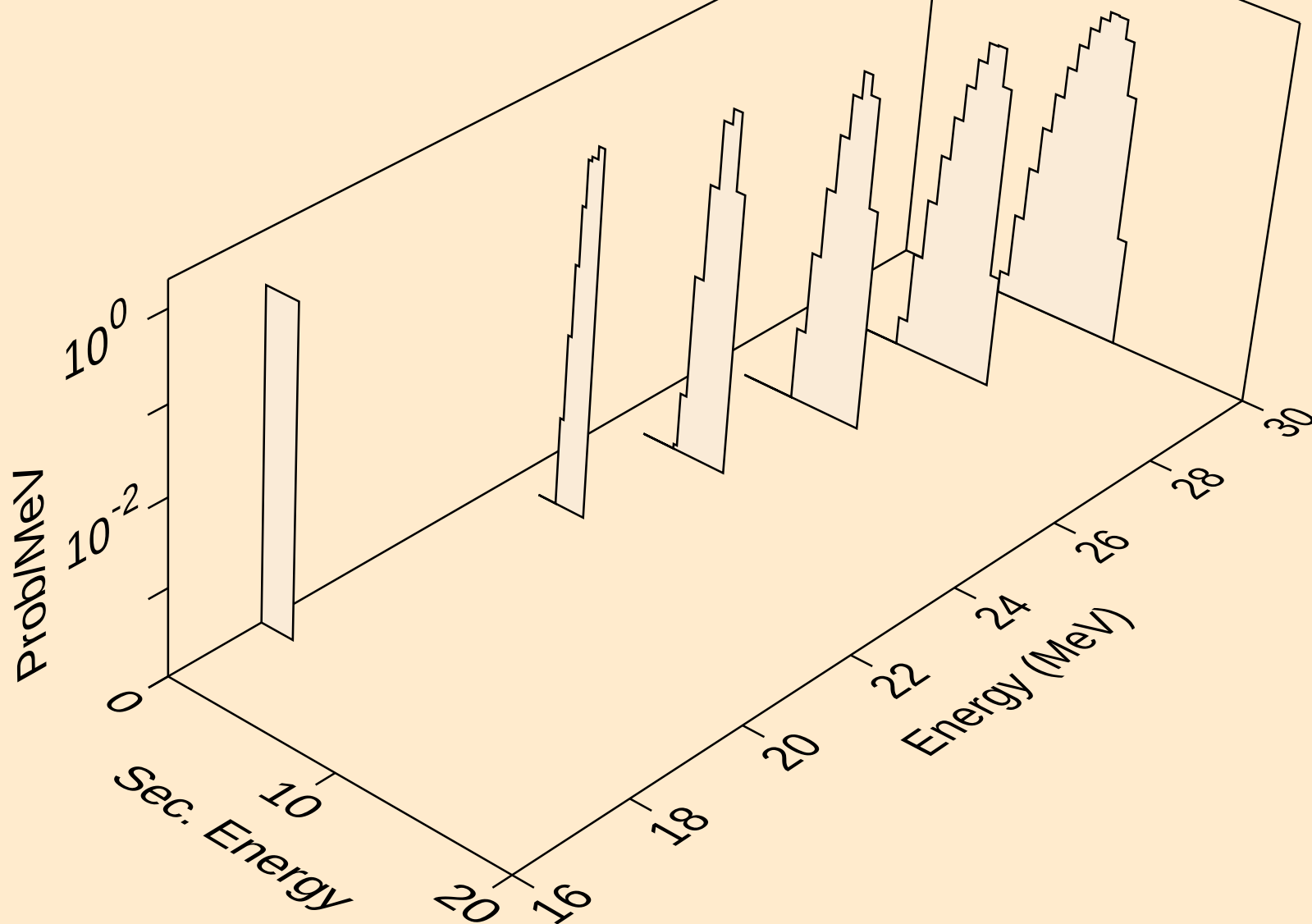
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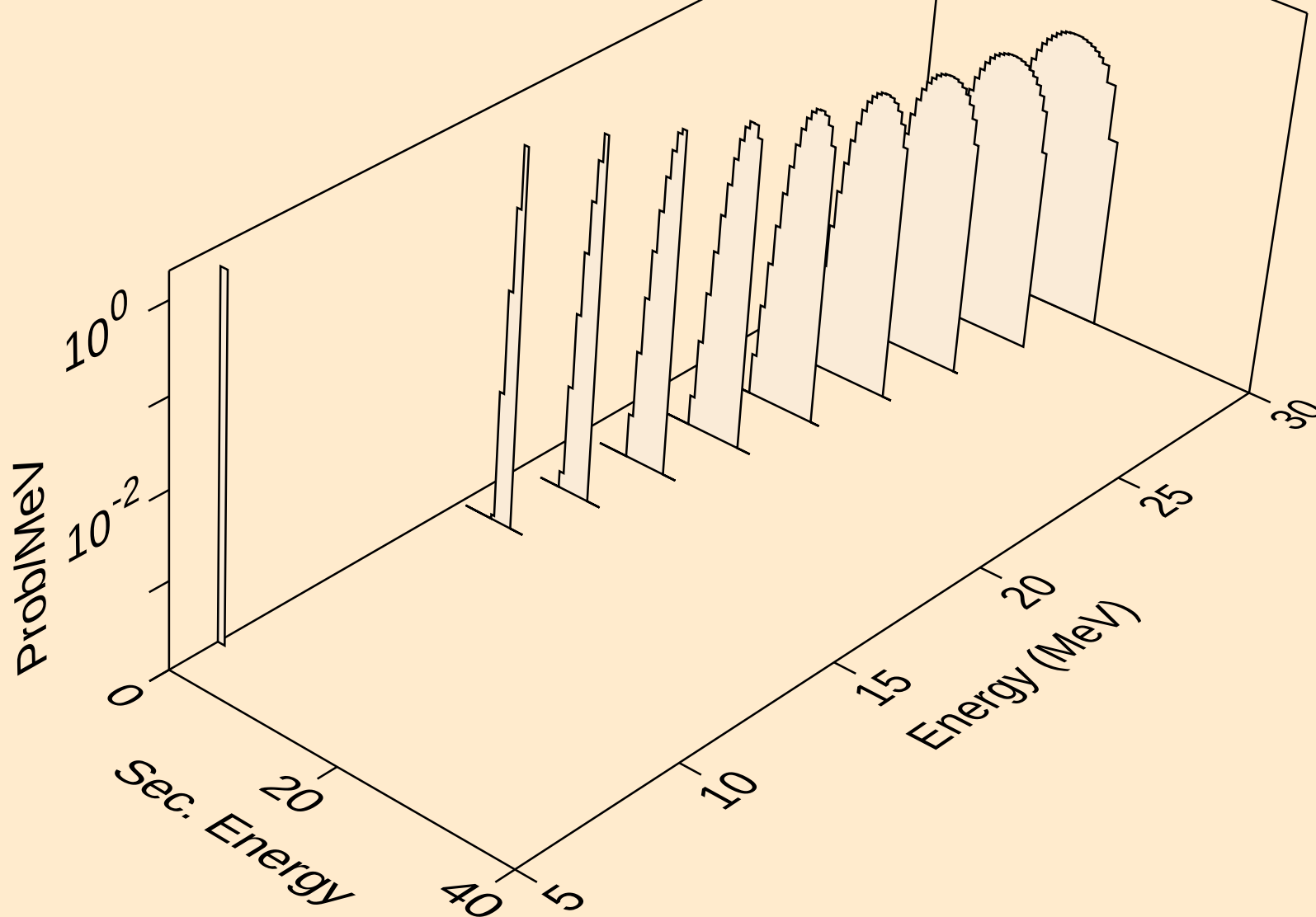
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tritons from (s,x)



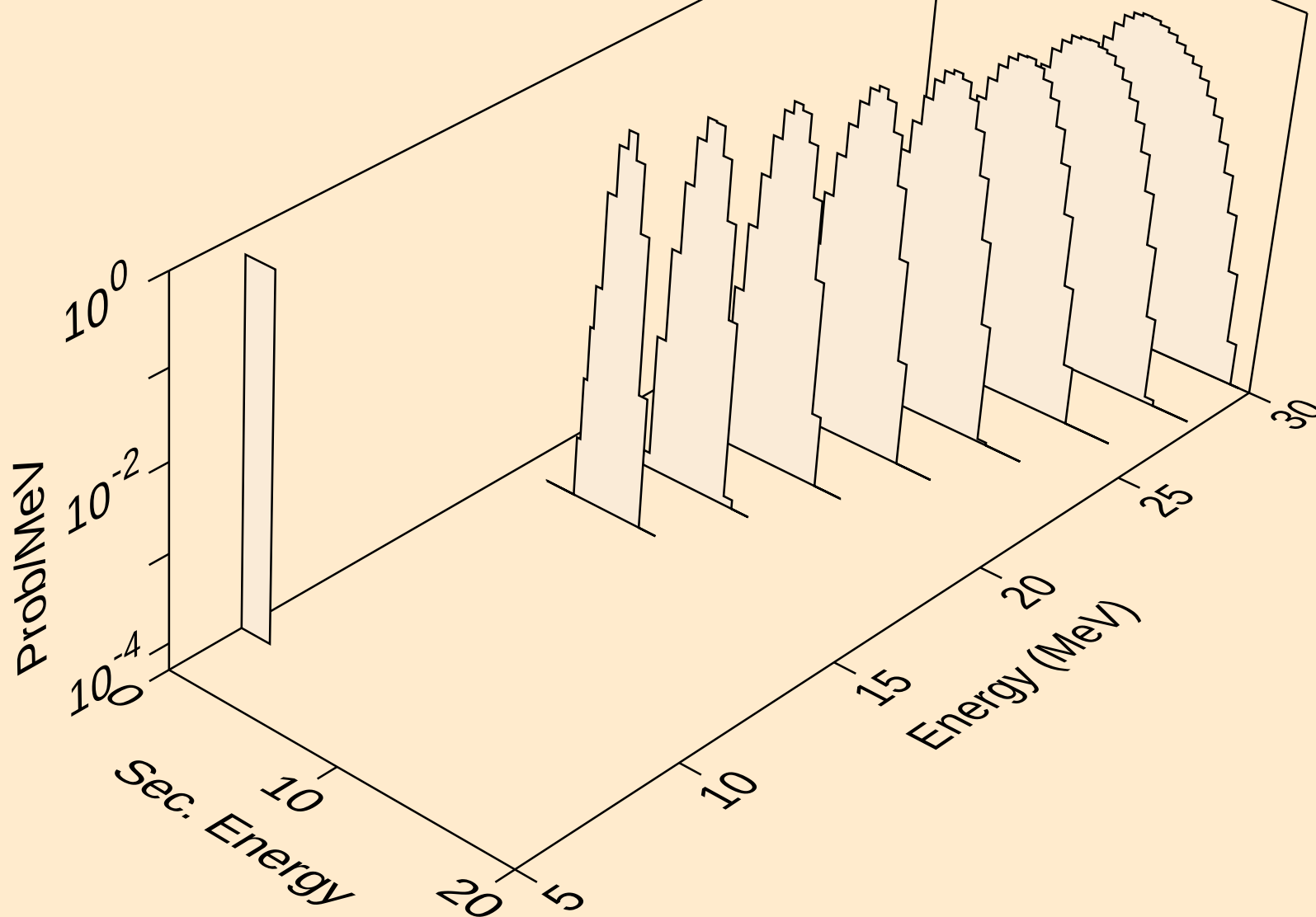
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tritons from (s,n\*)t



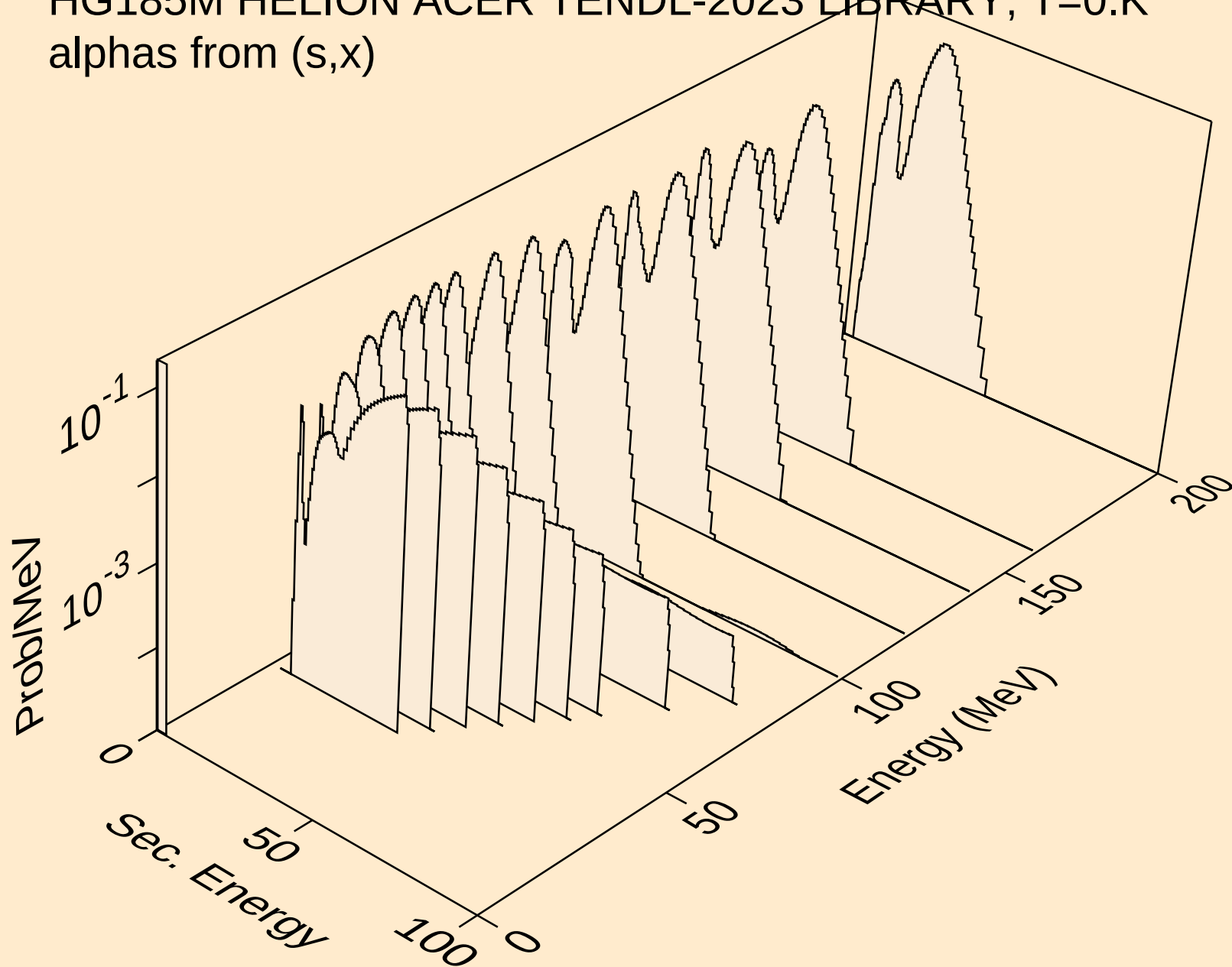
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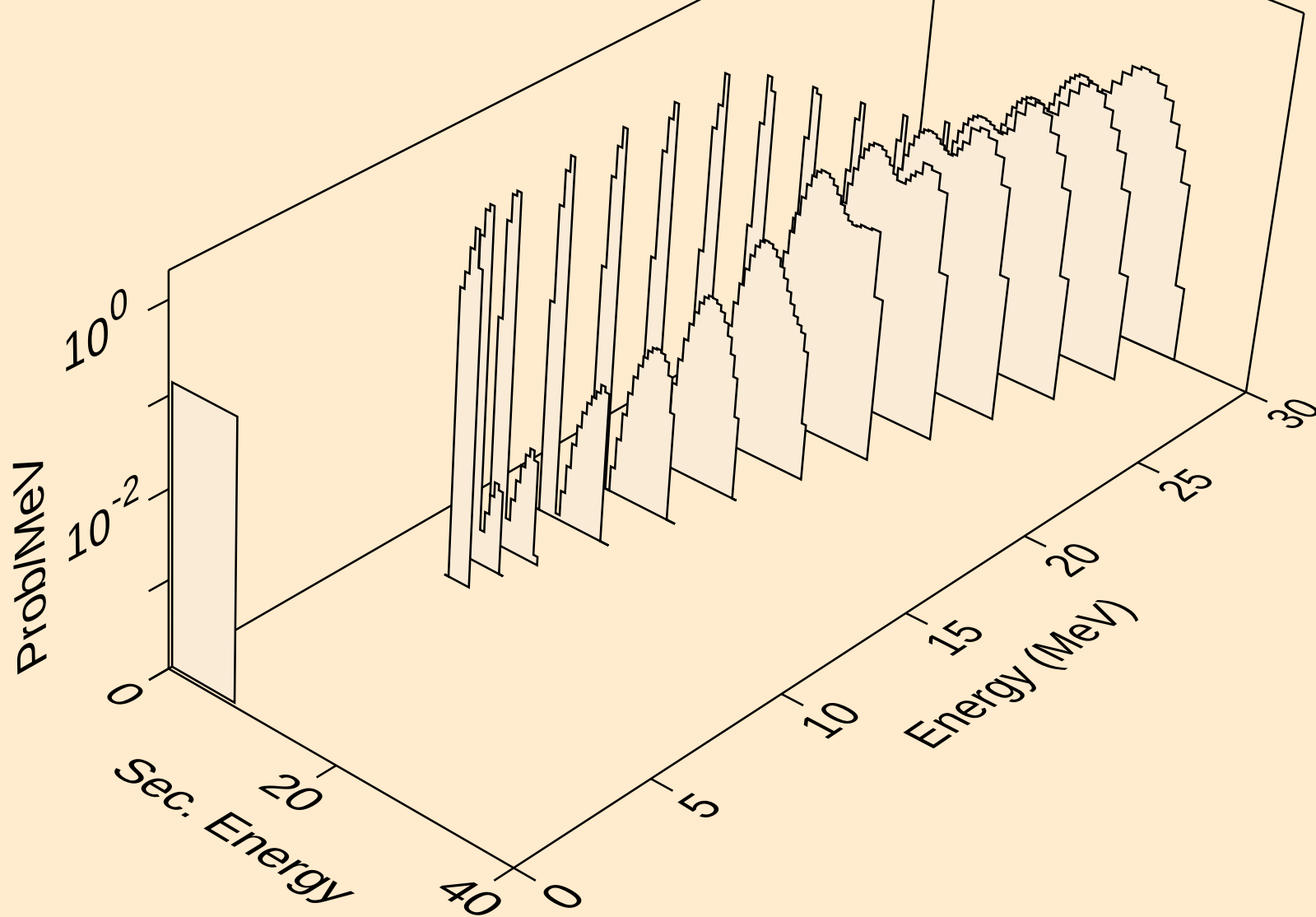
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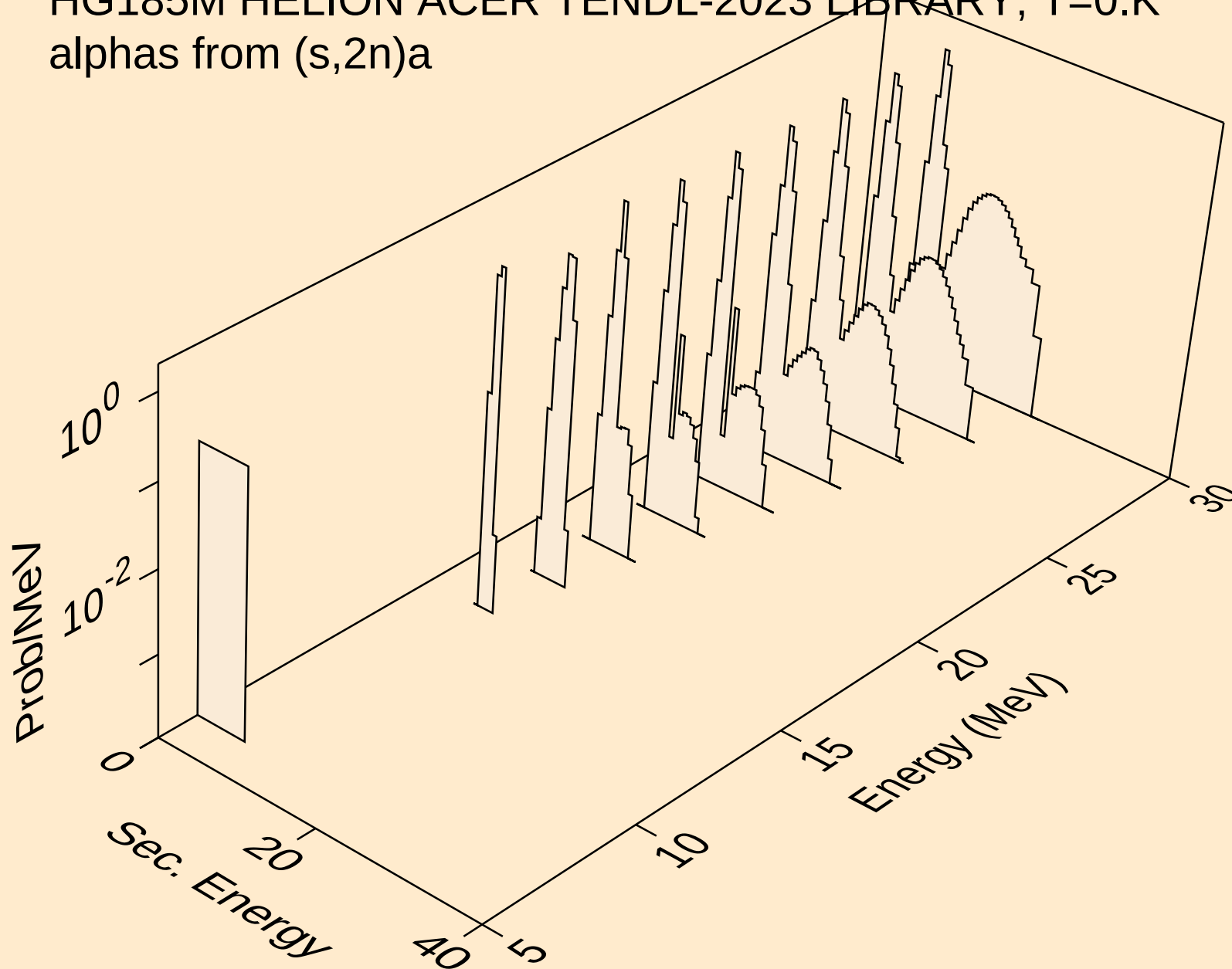
HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,x)



HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)a

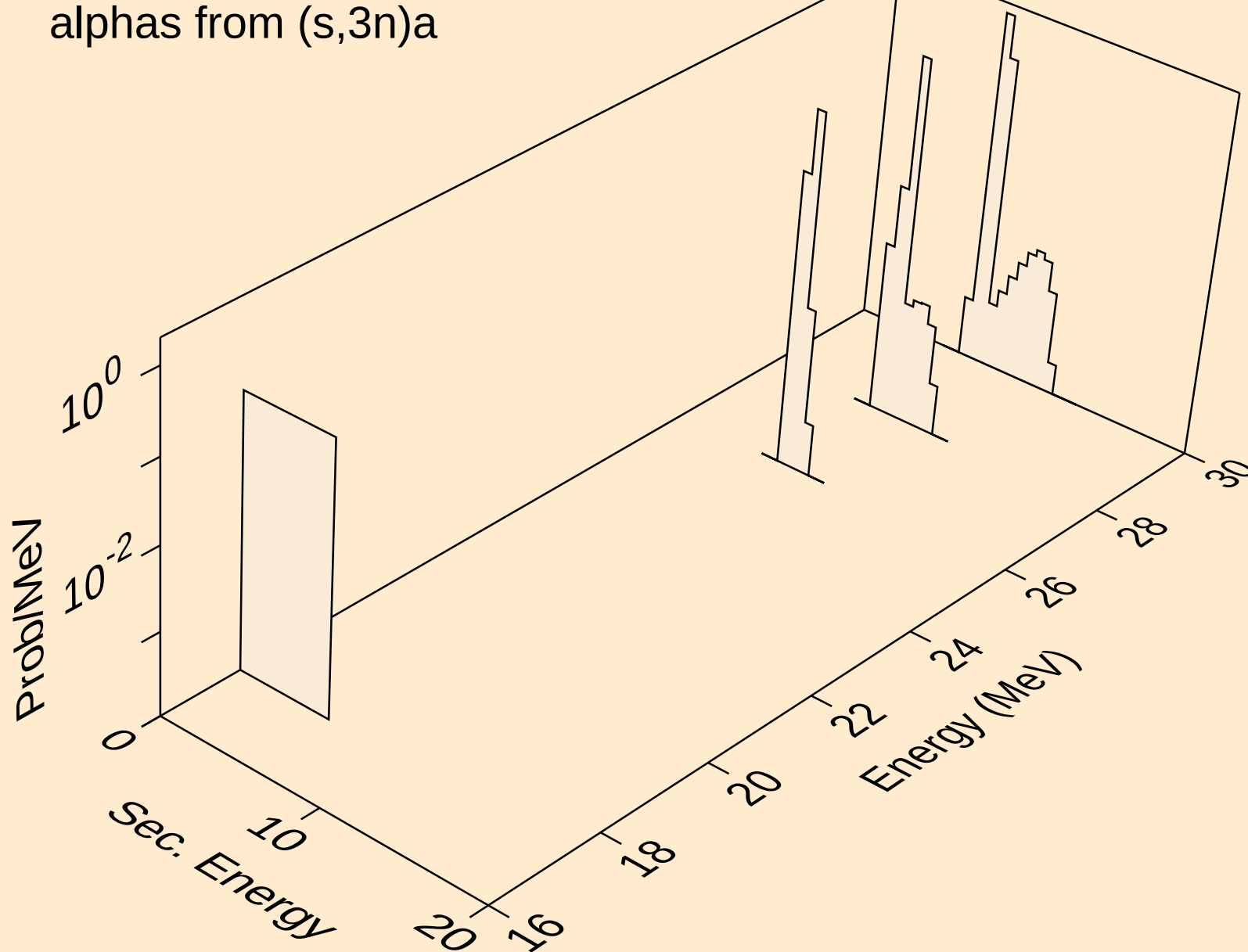


HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2n)a

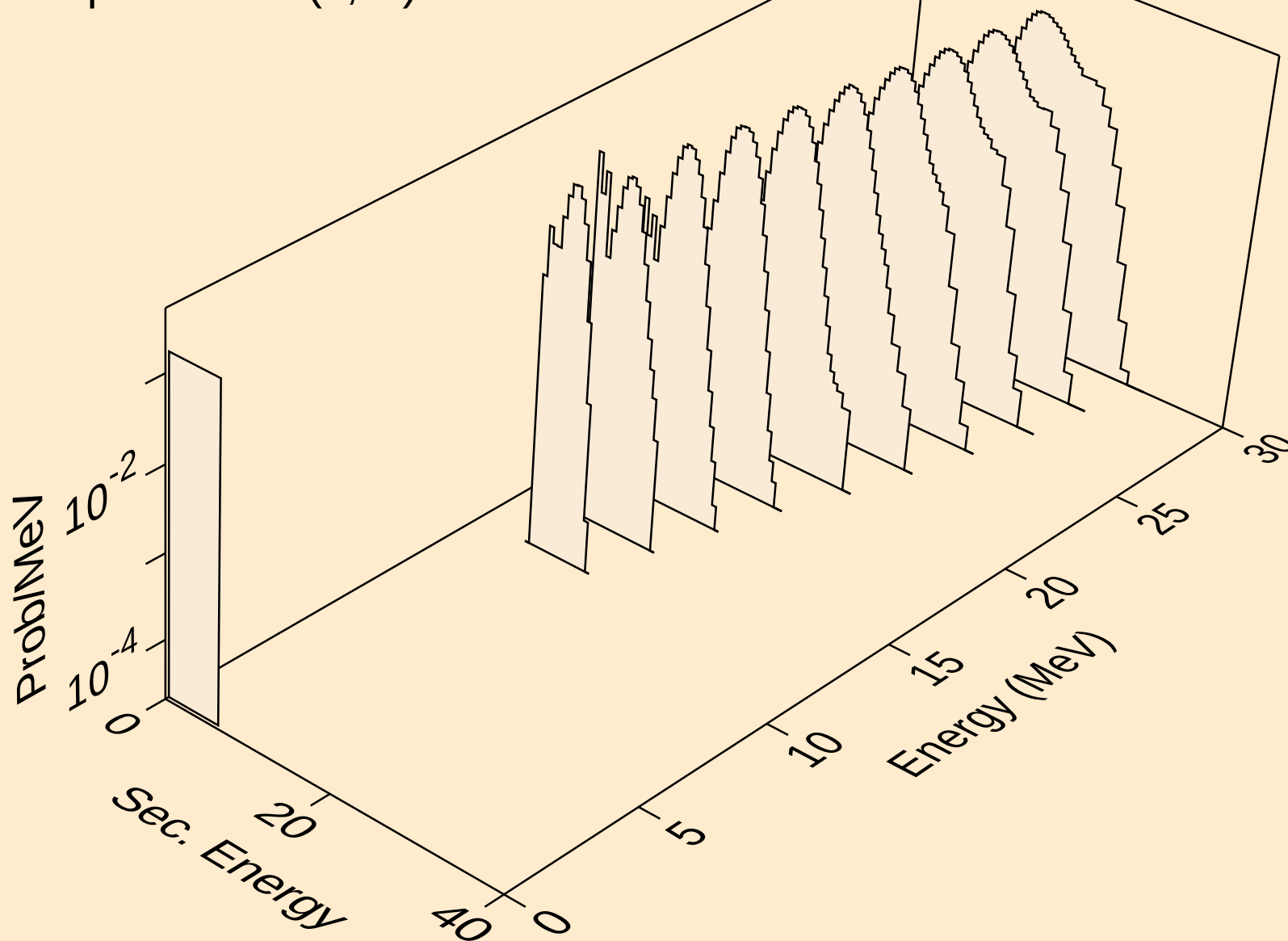




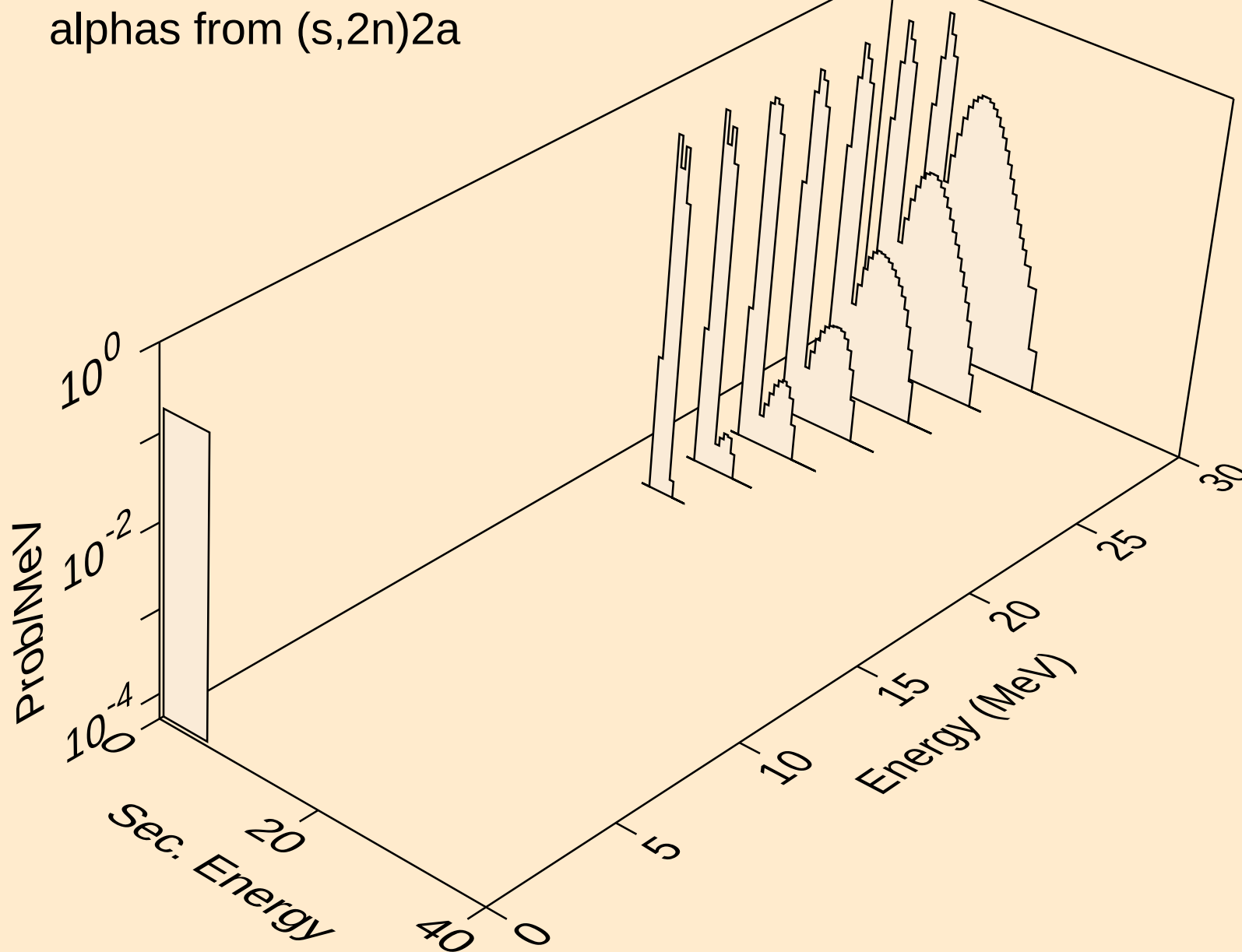
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alphas from (s,3n)a



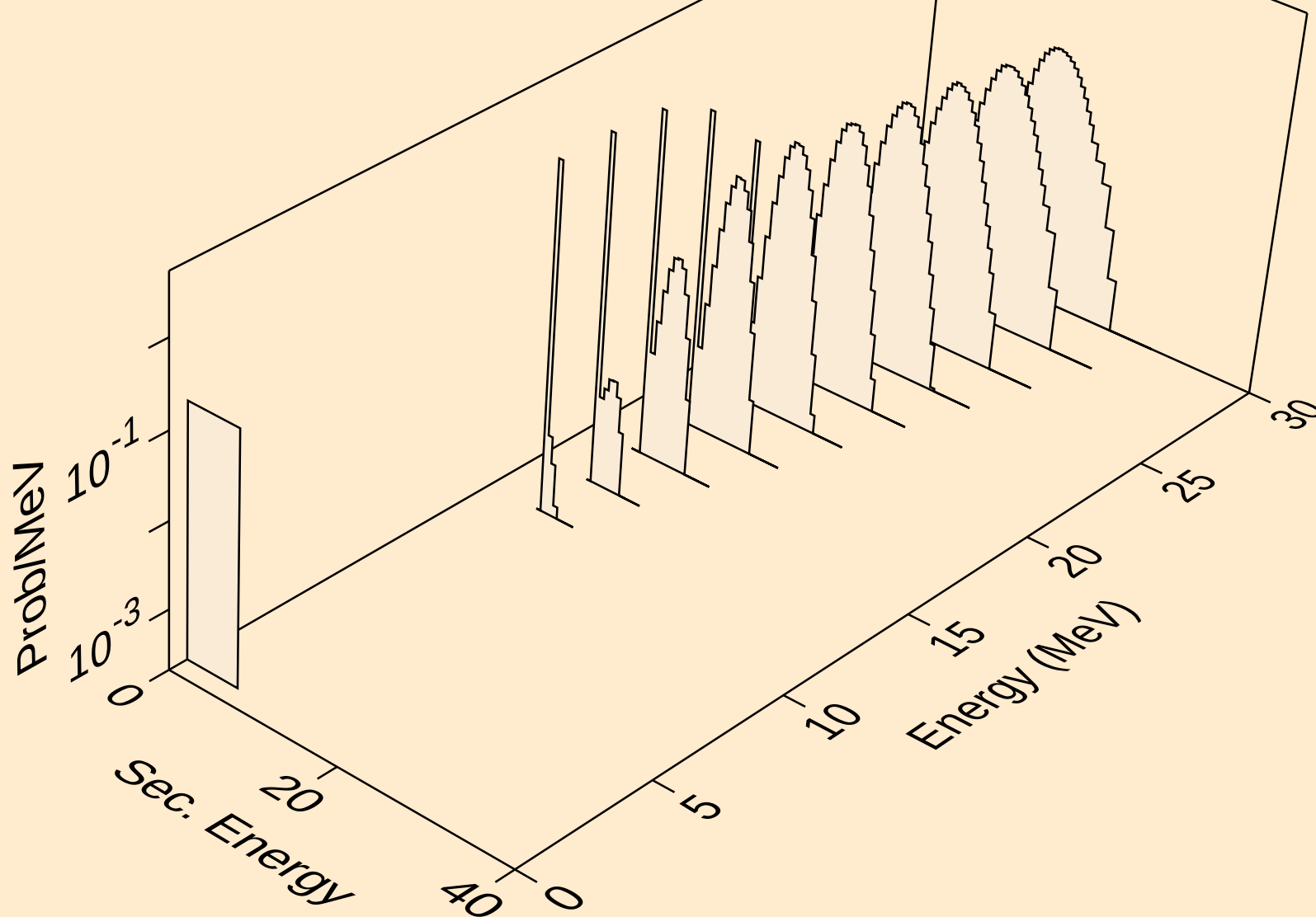
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alphas from (s,n\*)2a



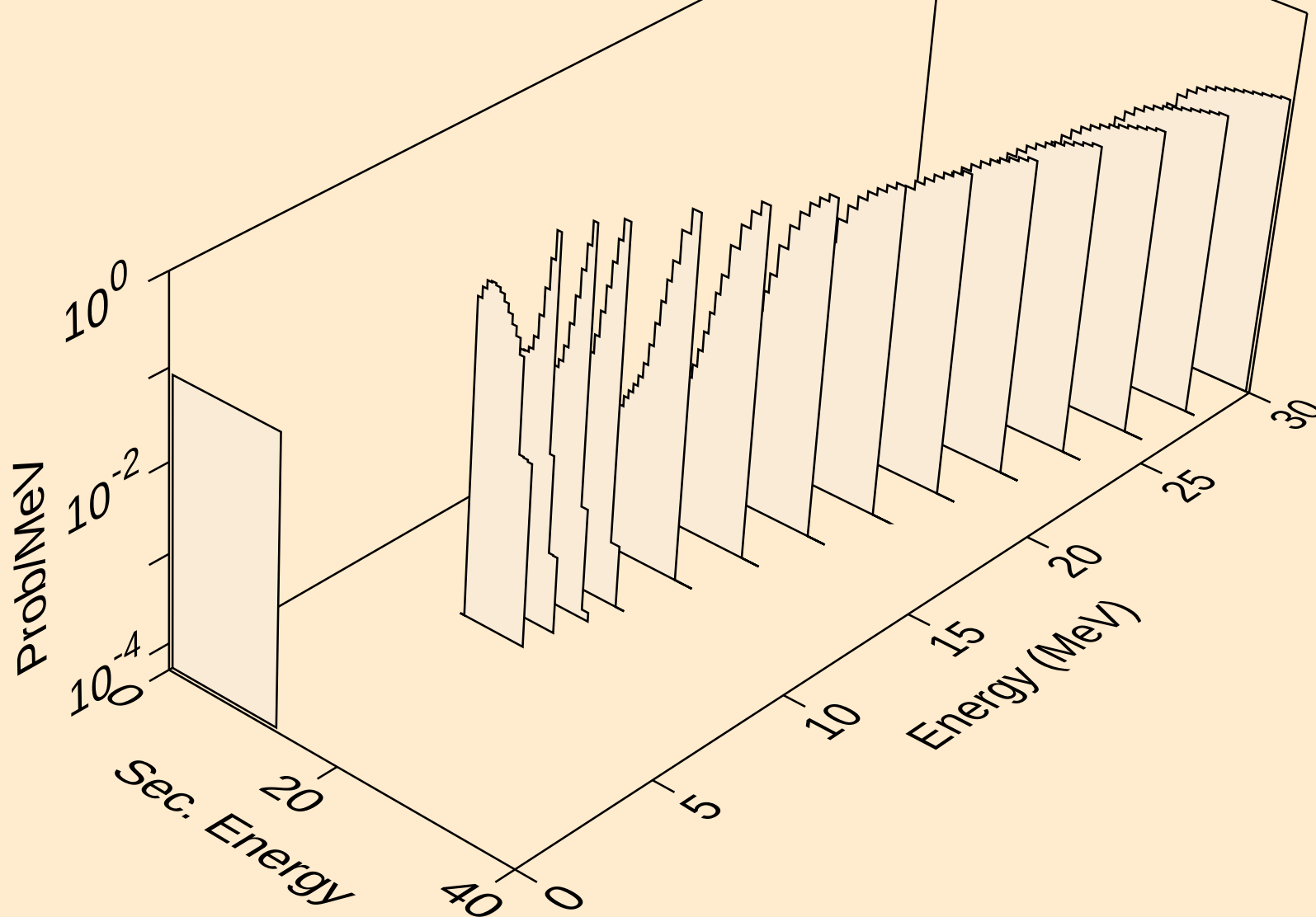
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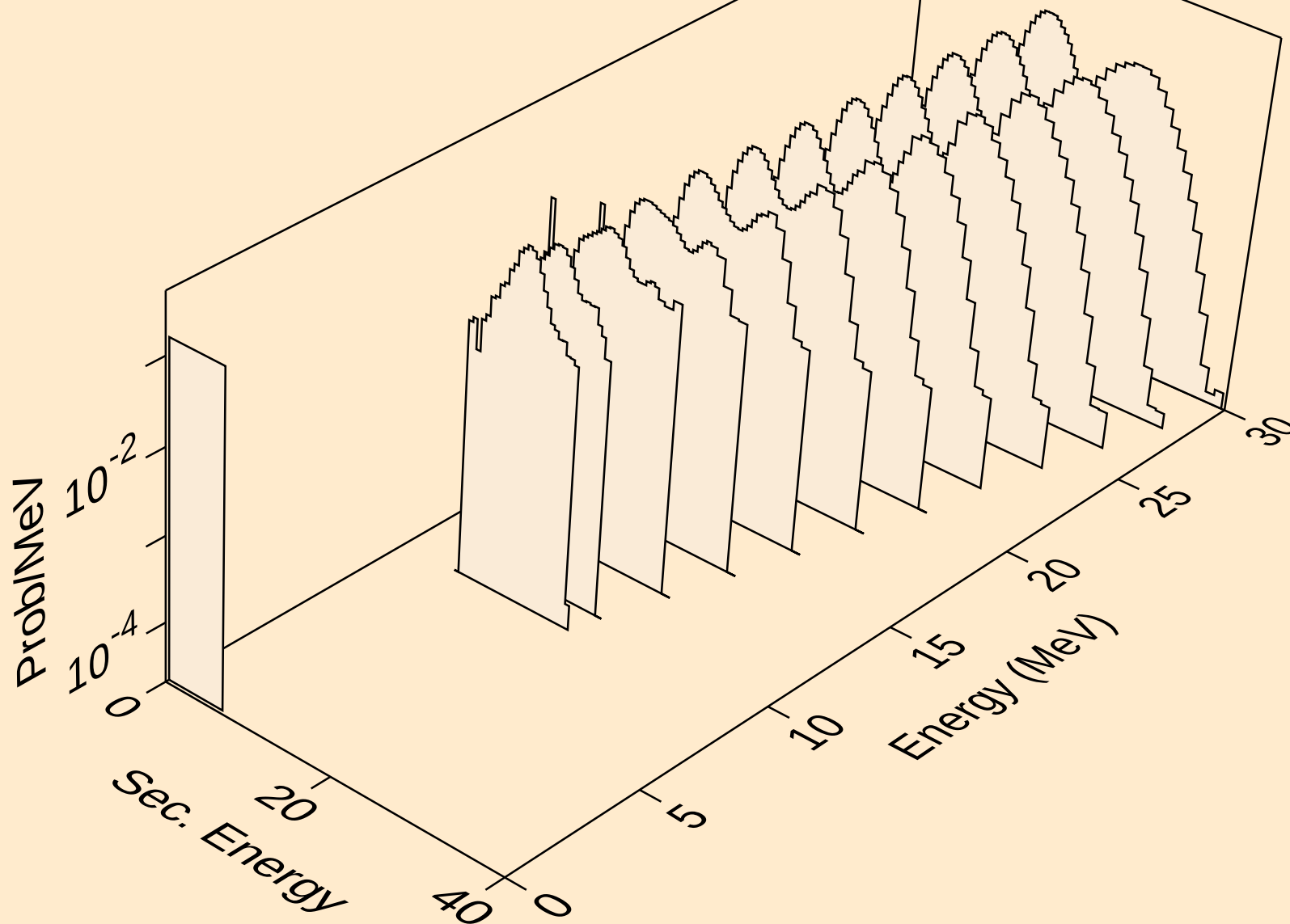
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alphas from (s,npa)



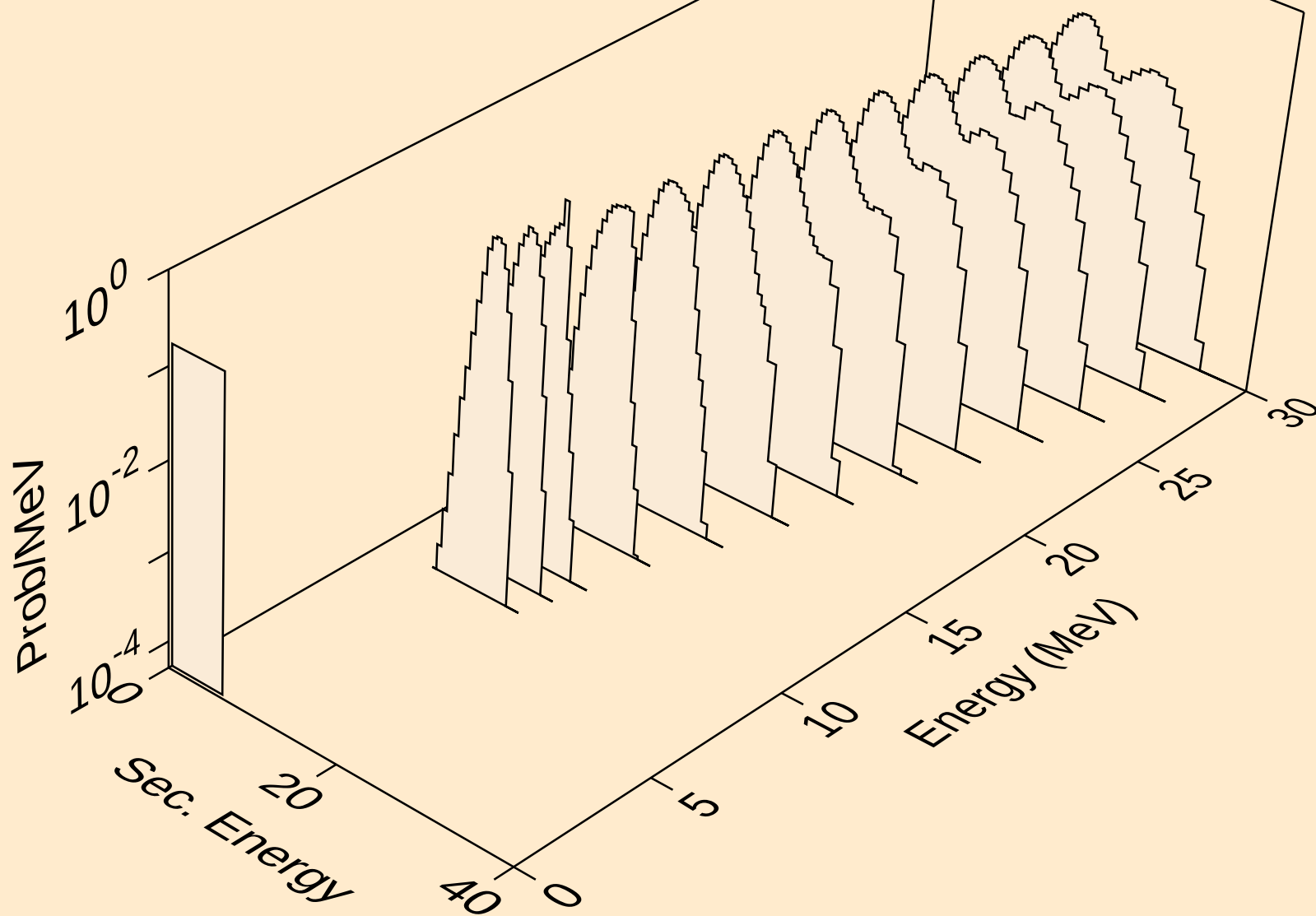
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alphas from (s,a)



HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)



HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



HG185M HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

