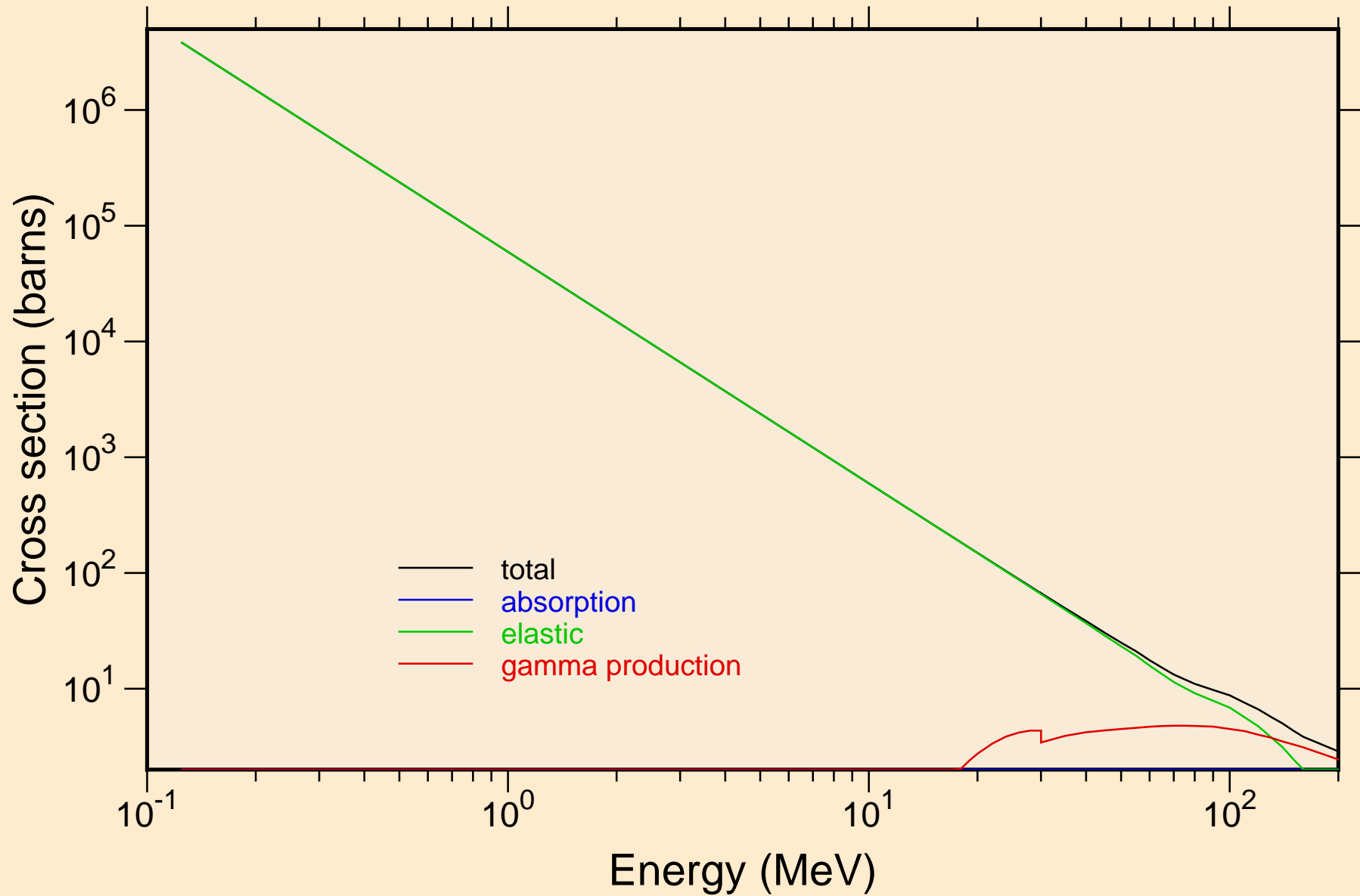


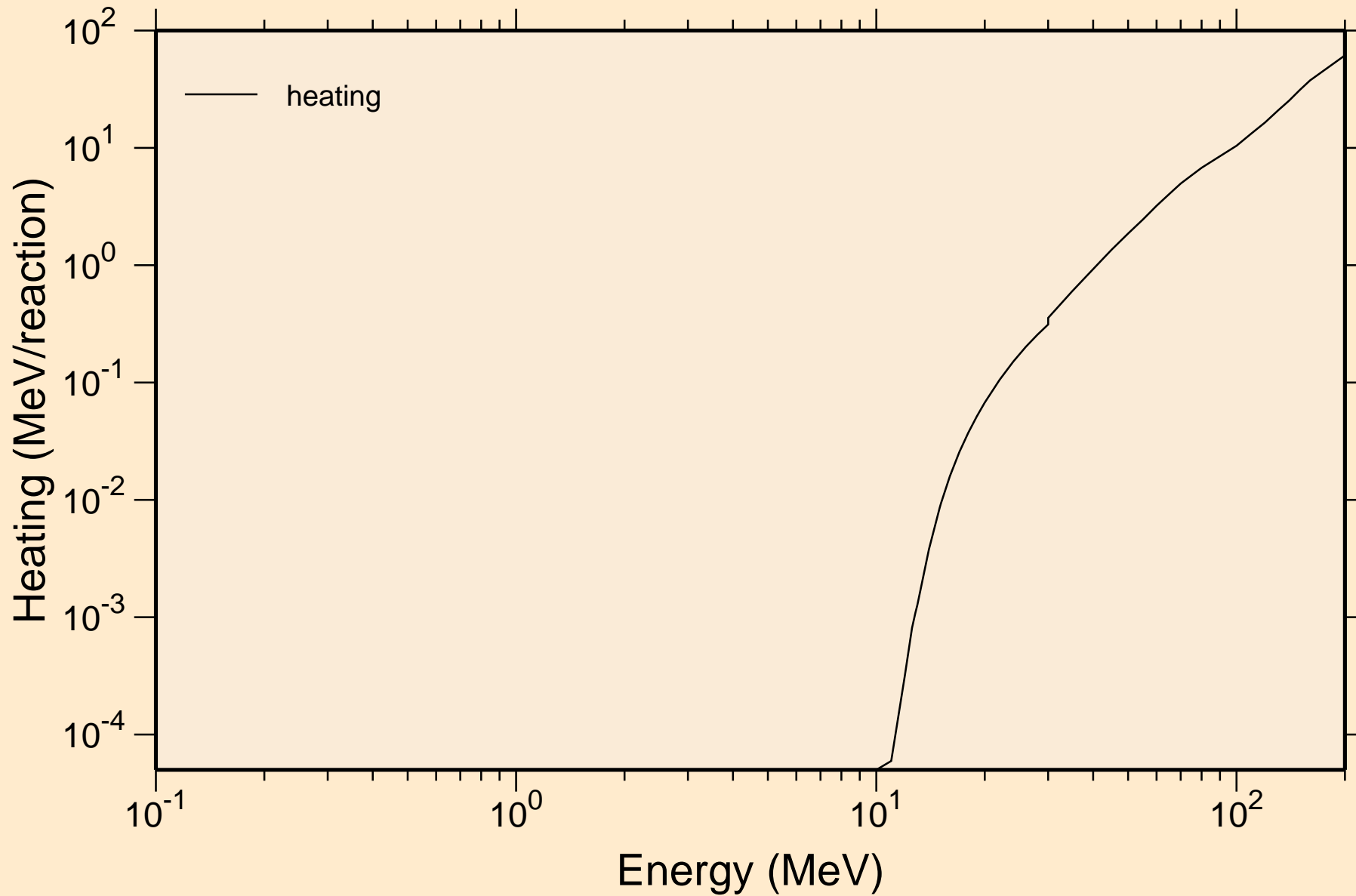
# CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



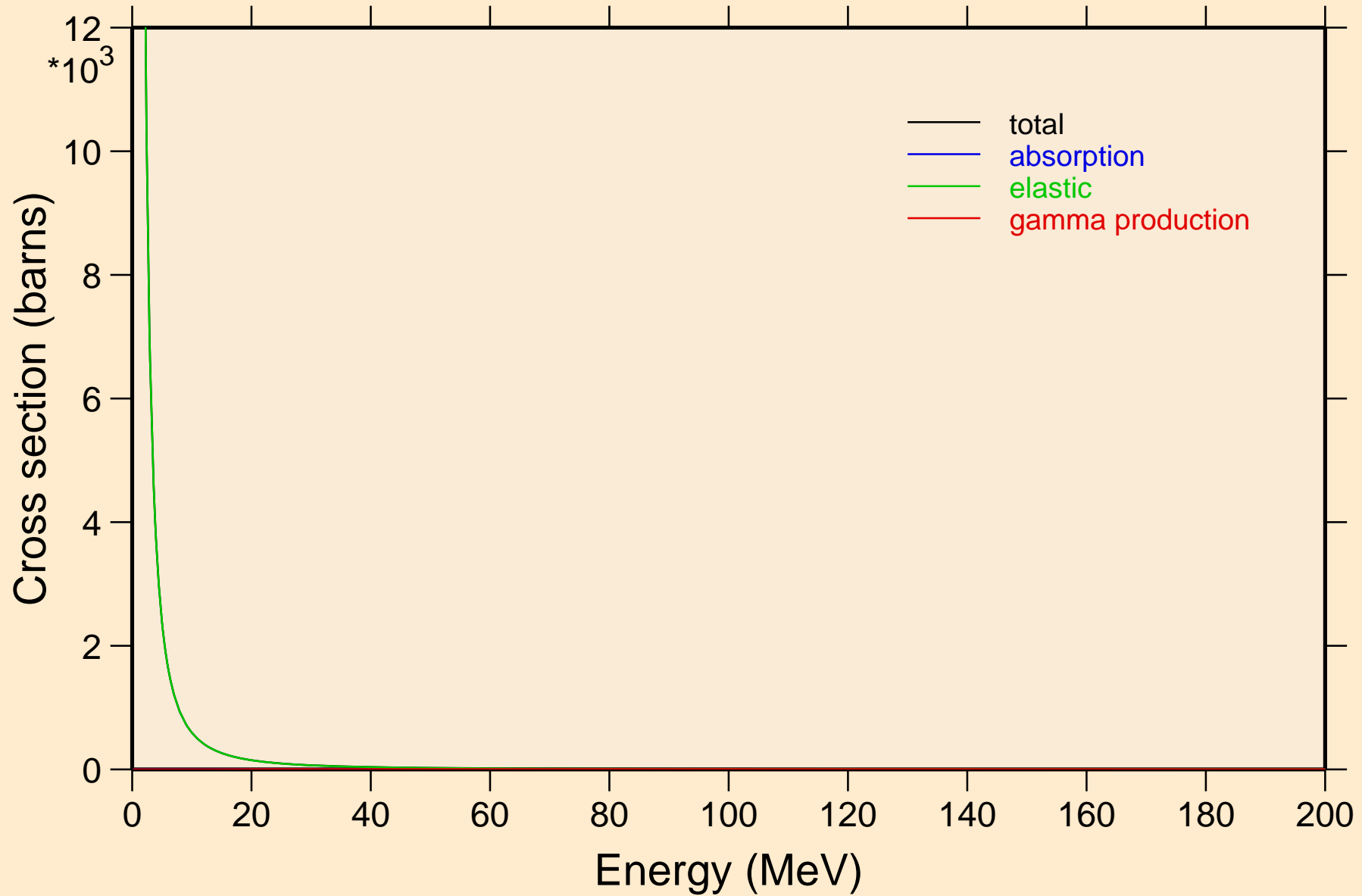
# CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Heating



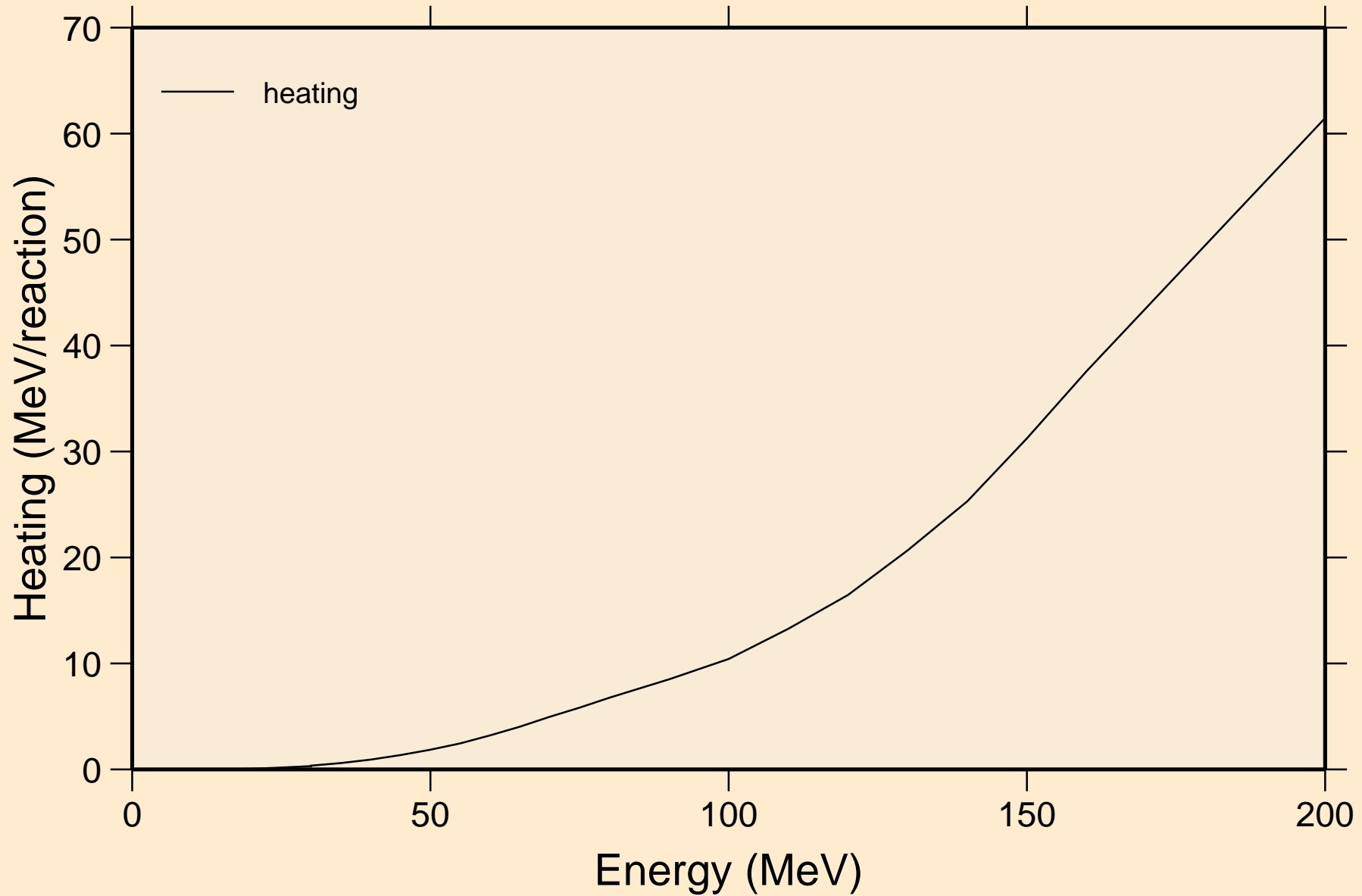
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## Principal cross sections



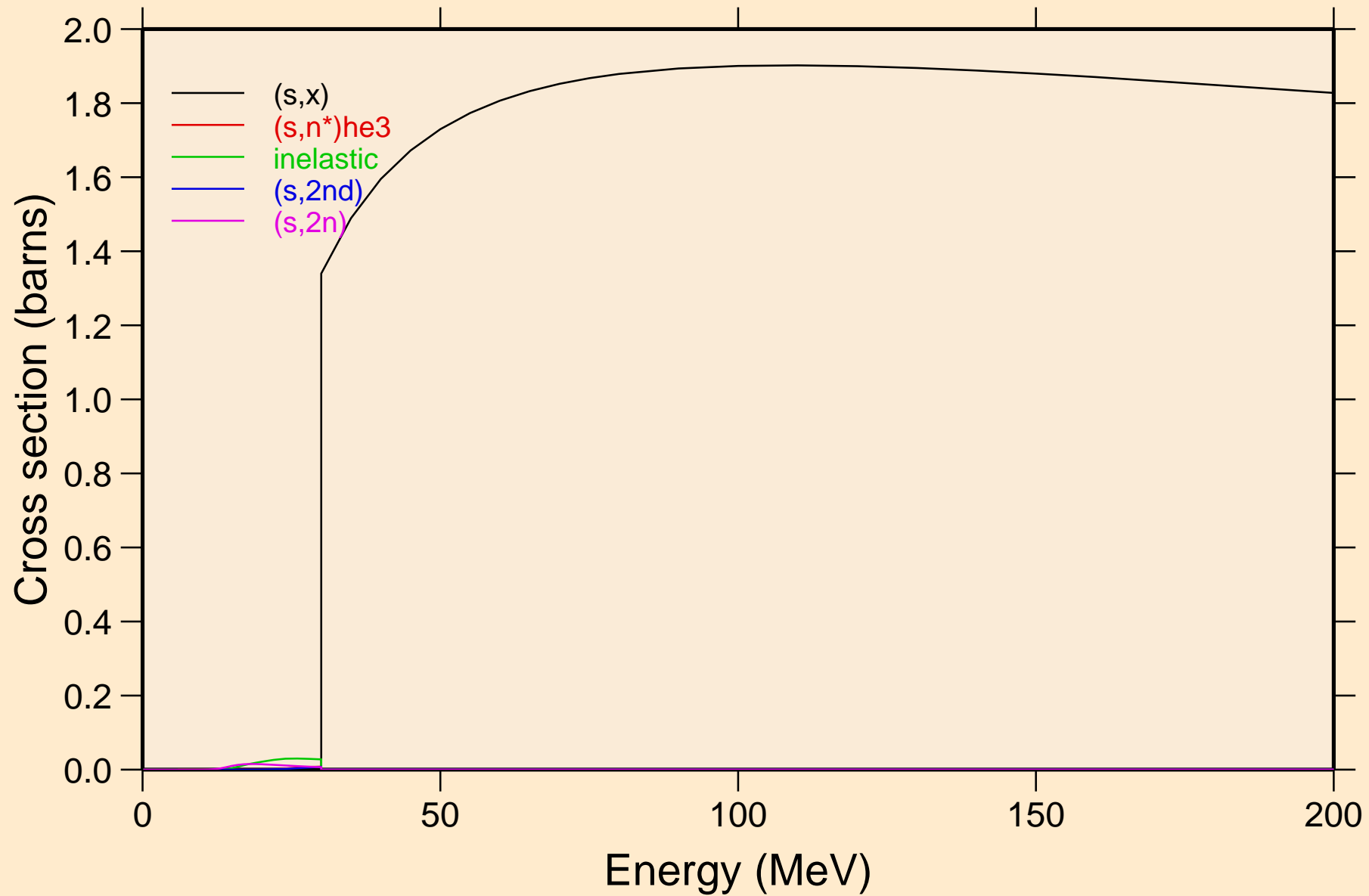
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## Heating



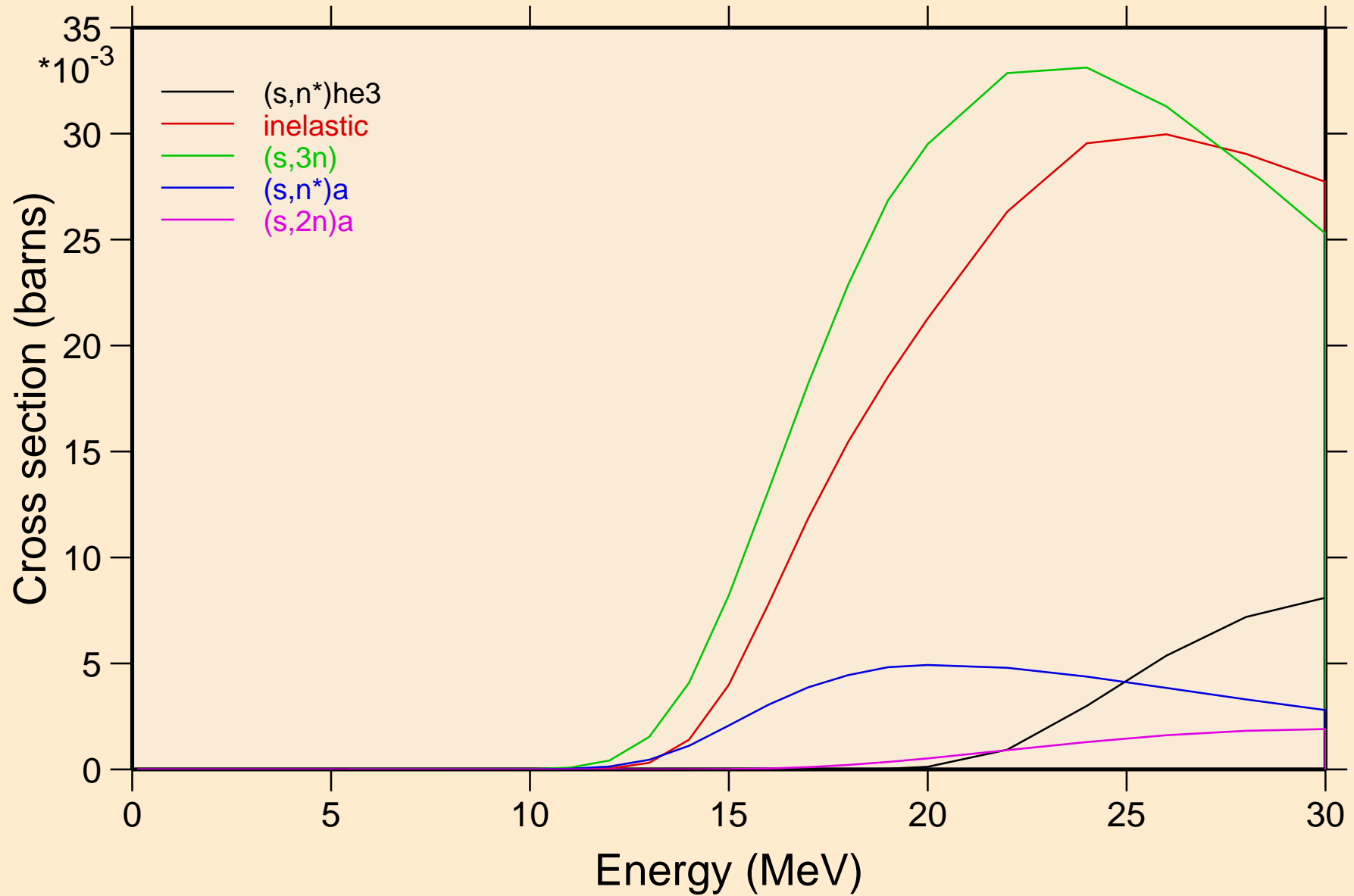
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## Threshold reactions



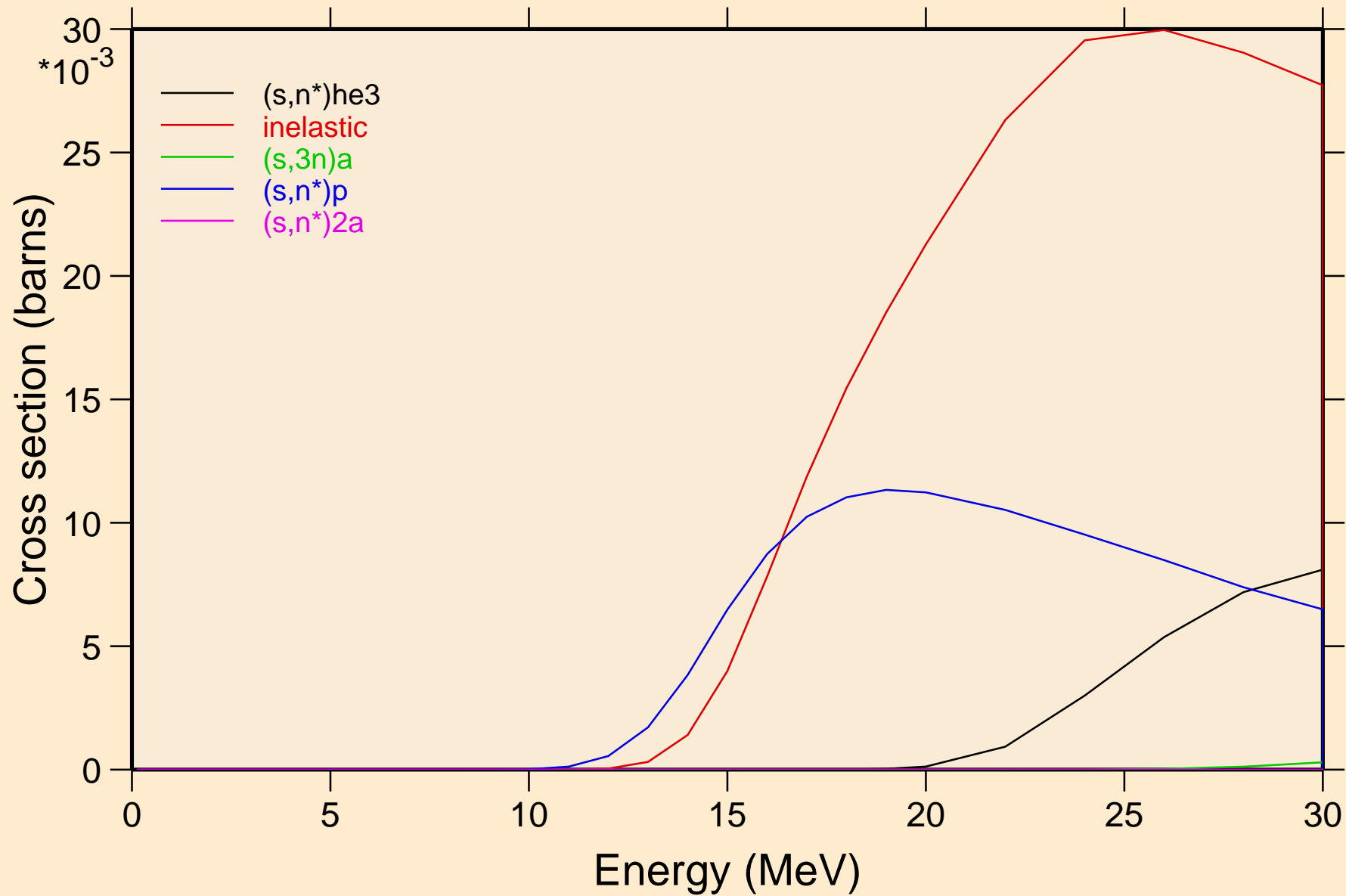
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## Threshold reactions

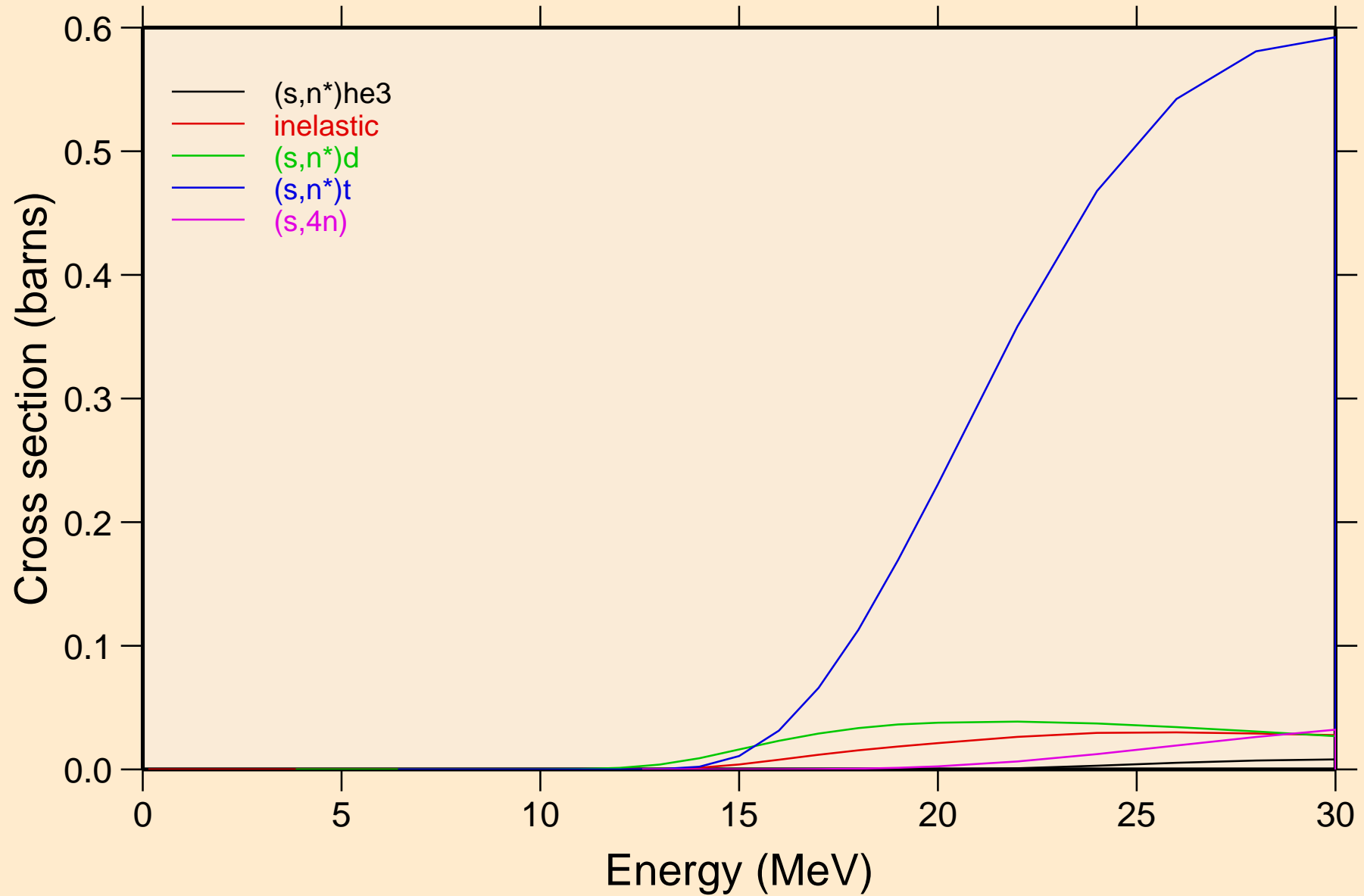


# CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



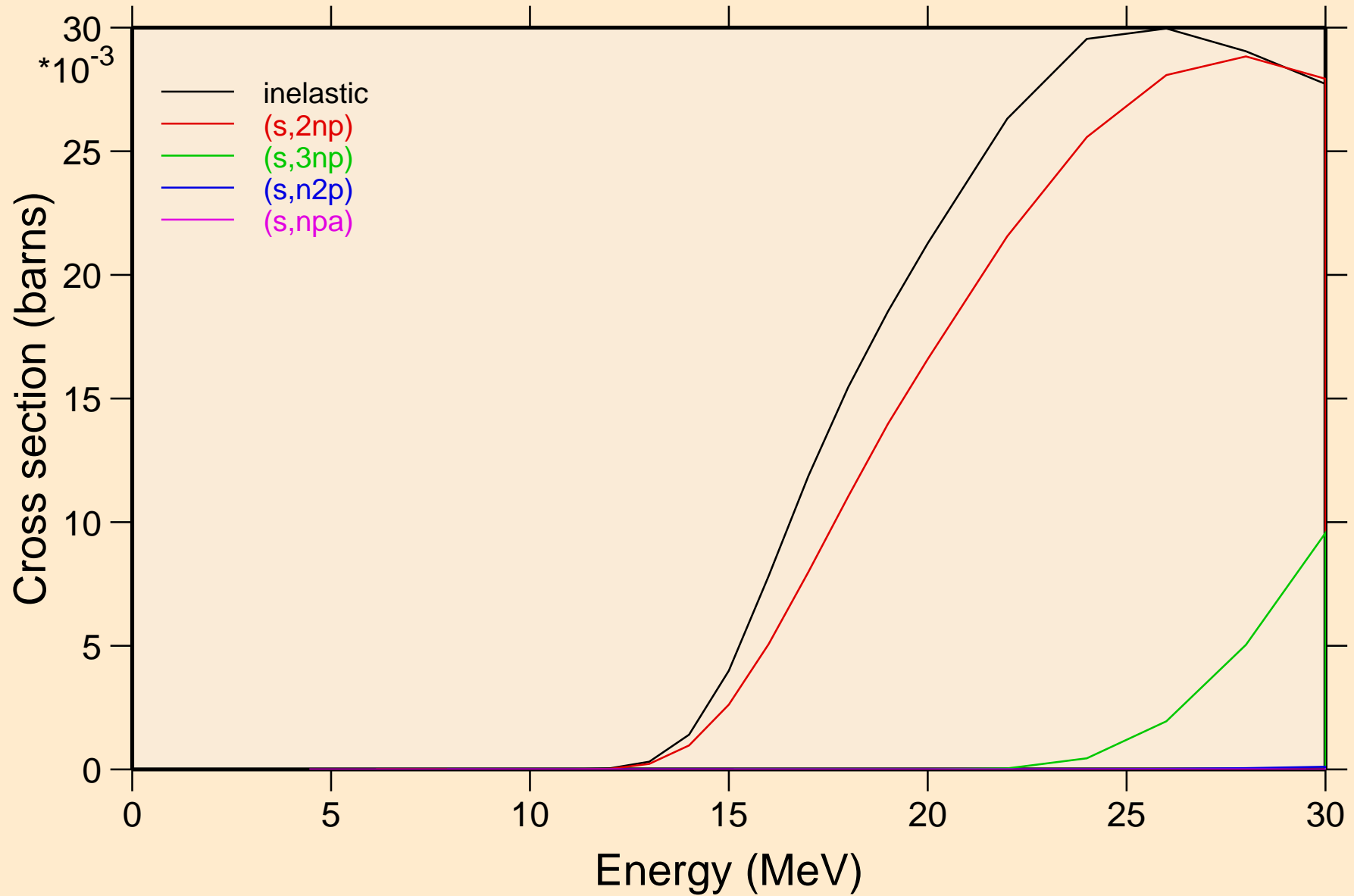
CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions





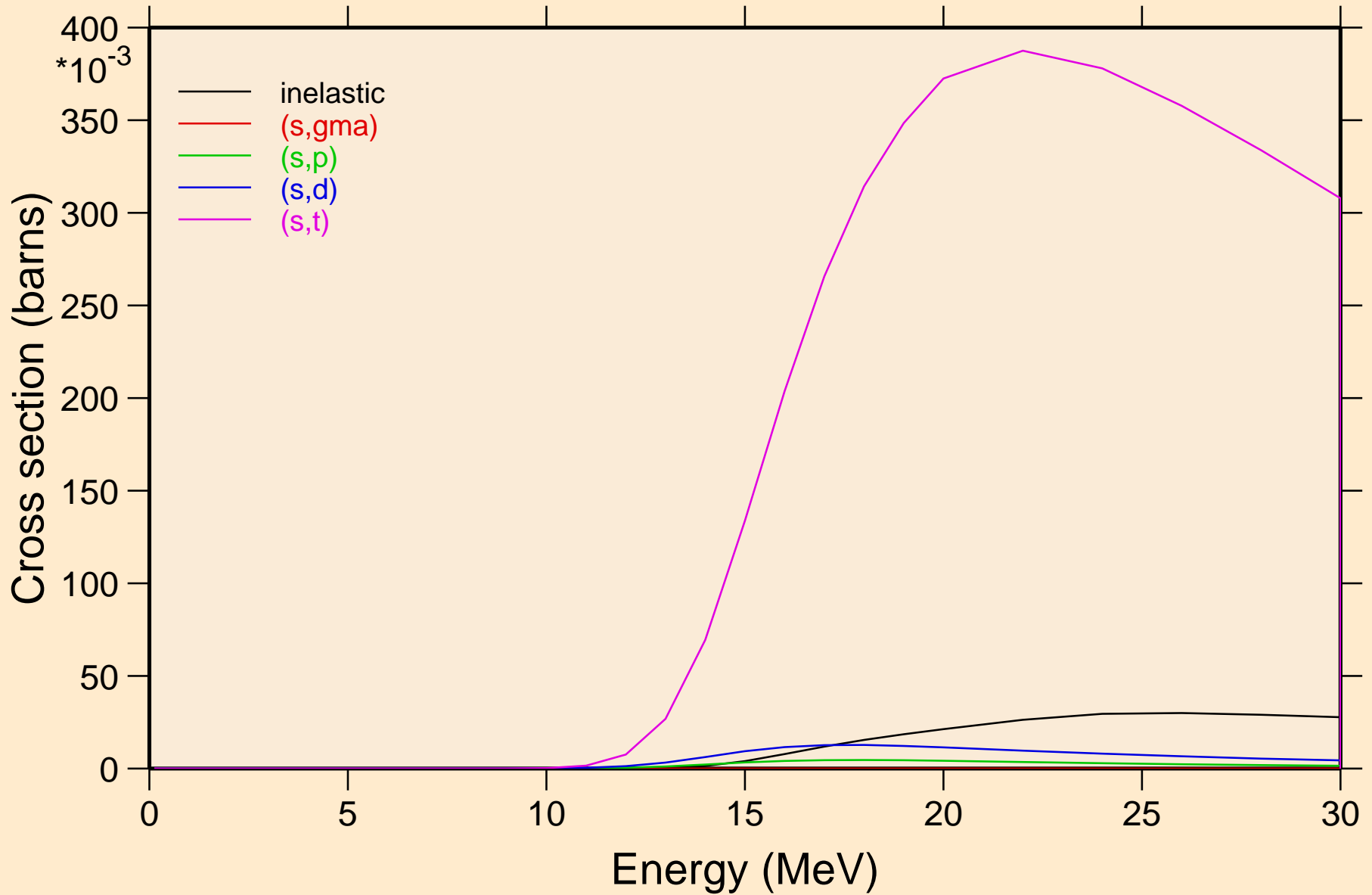
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## Threshold reactions



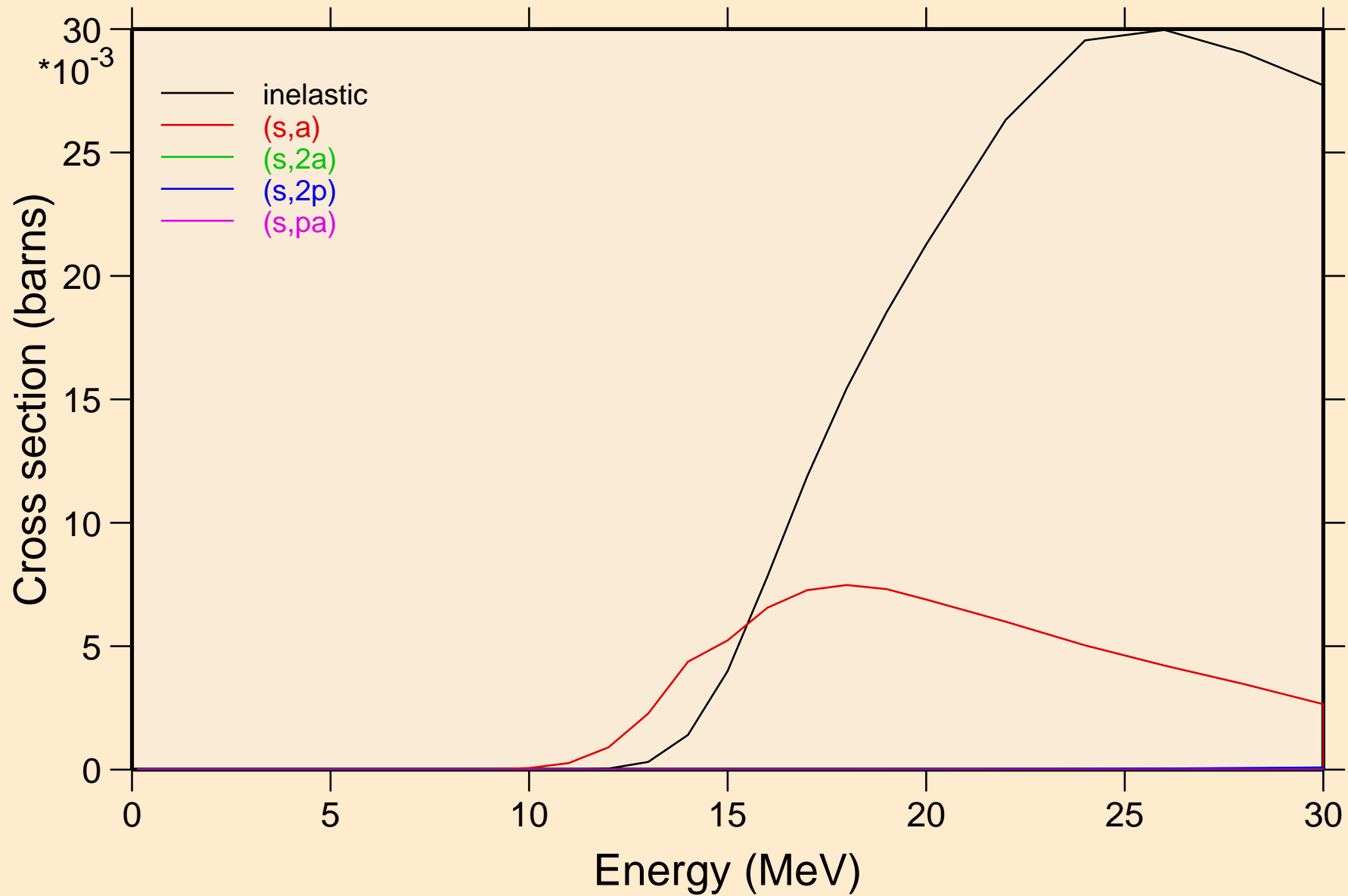
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## Threshold reactions



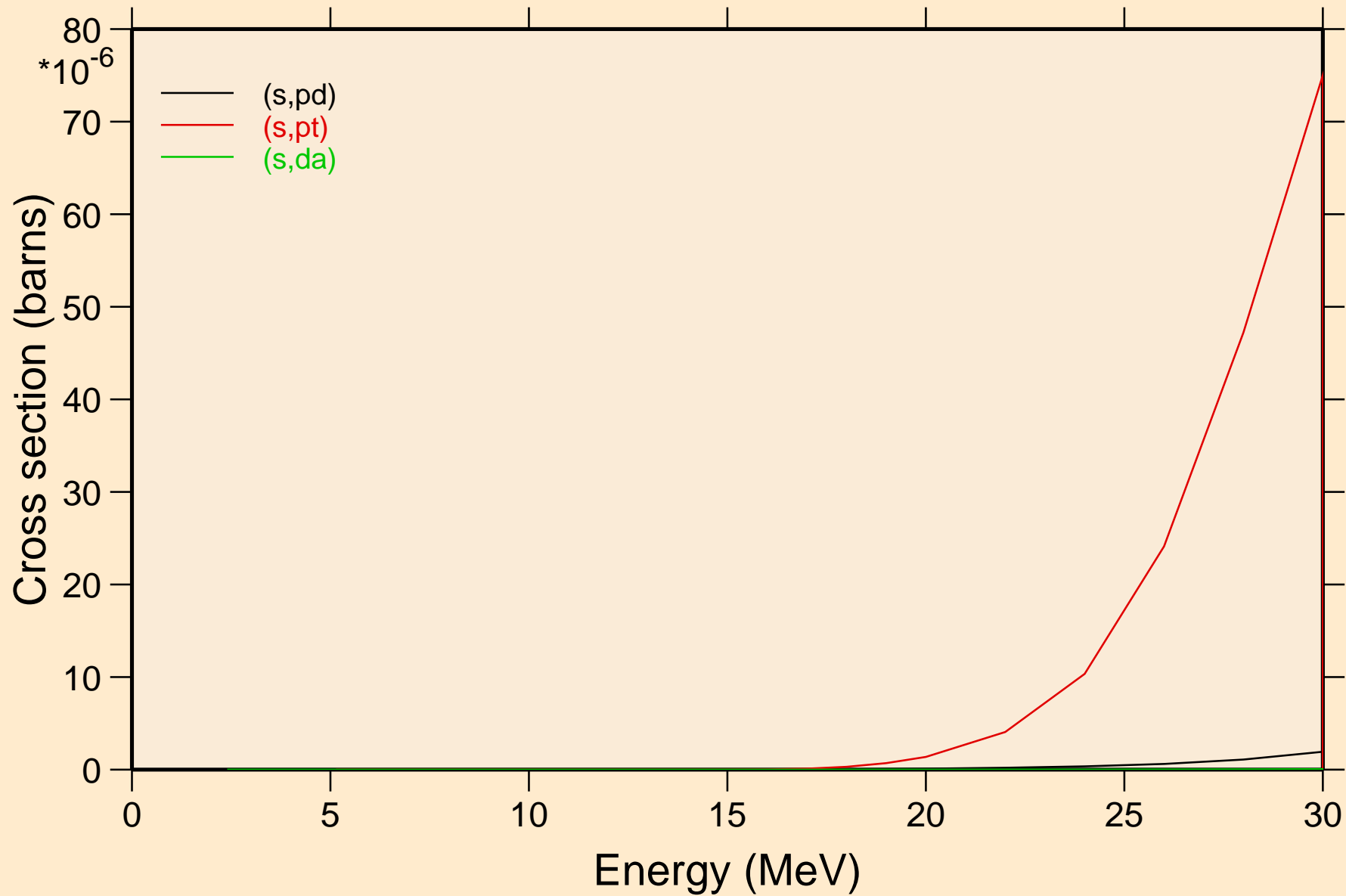
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## Threshold reactions

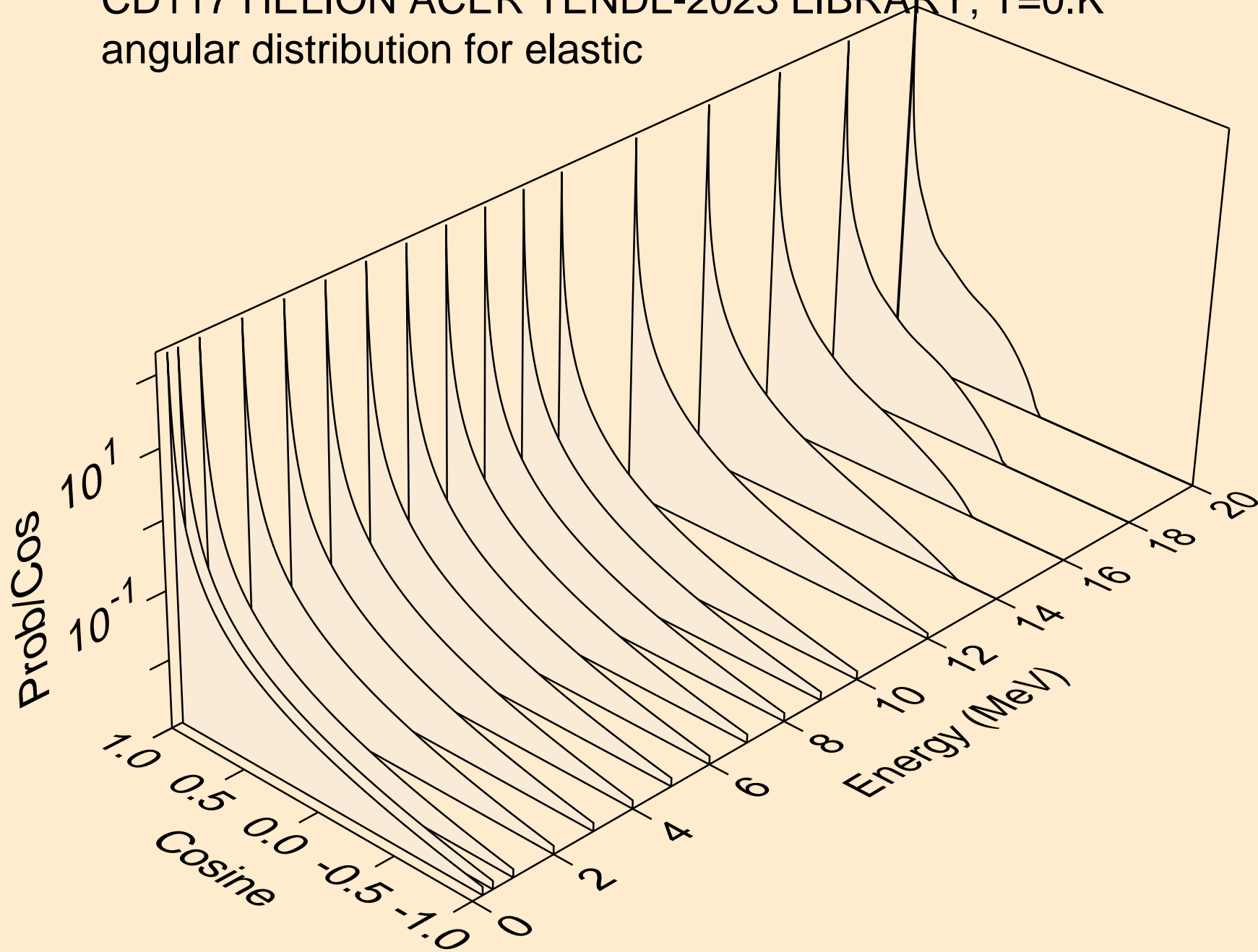


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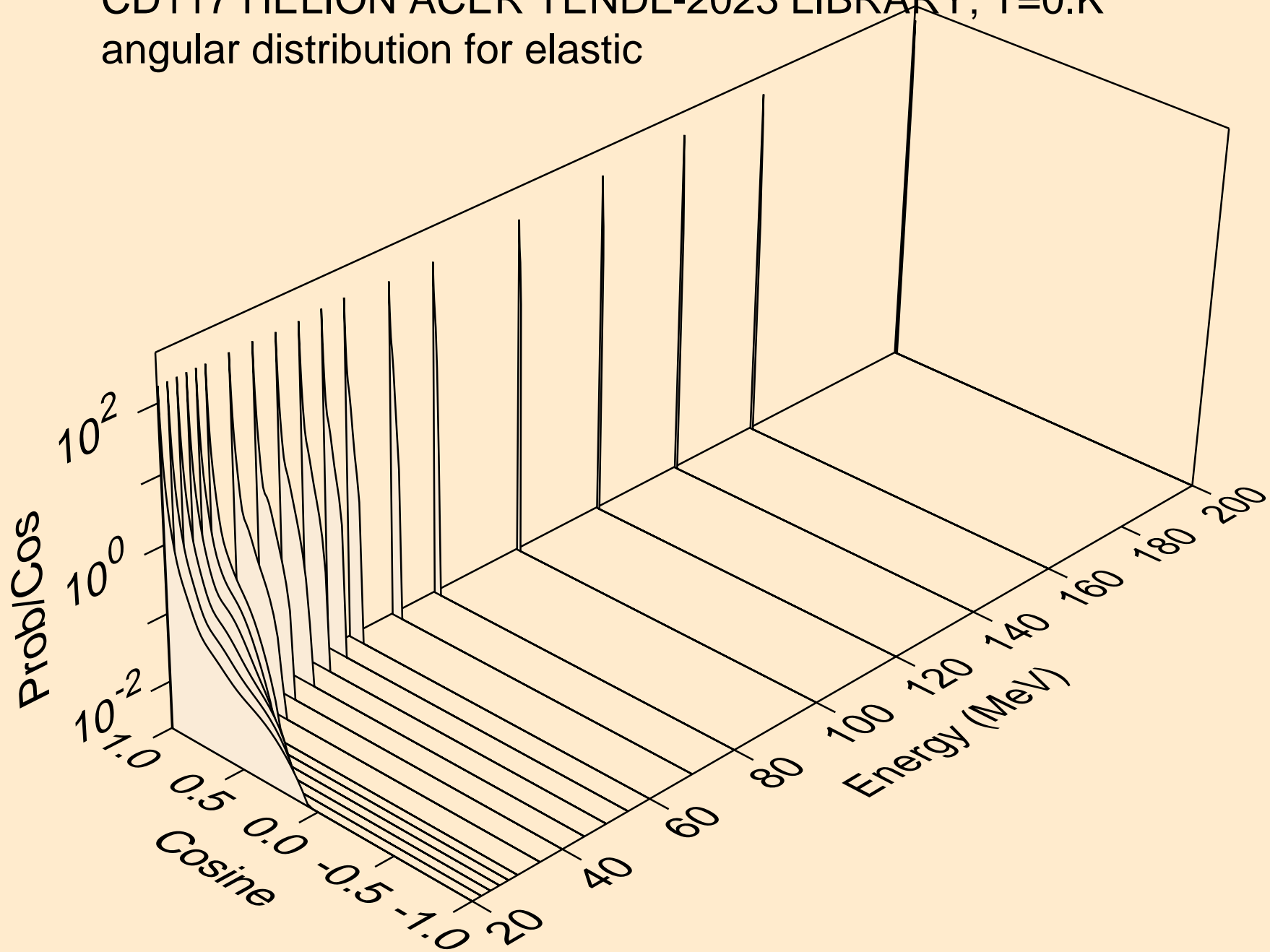
## Threshold reactions



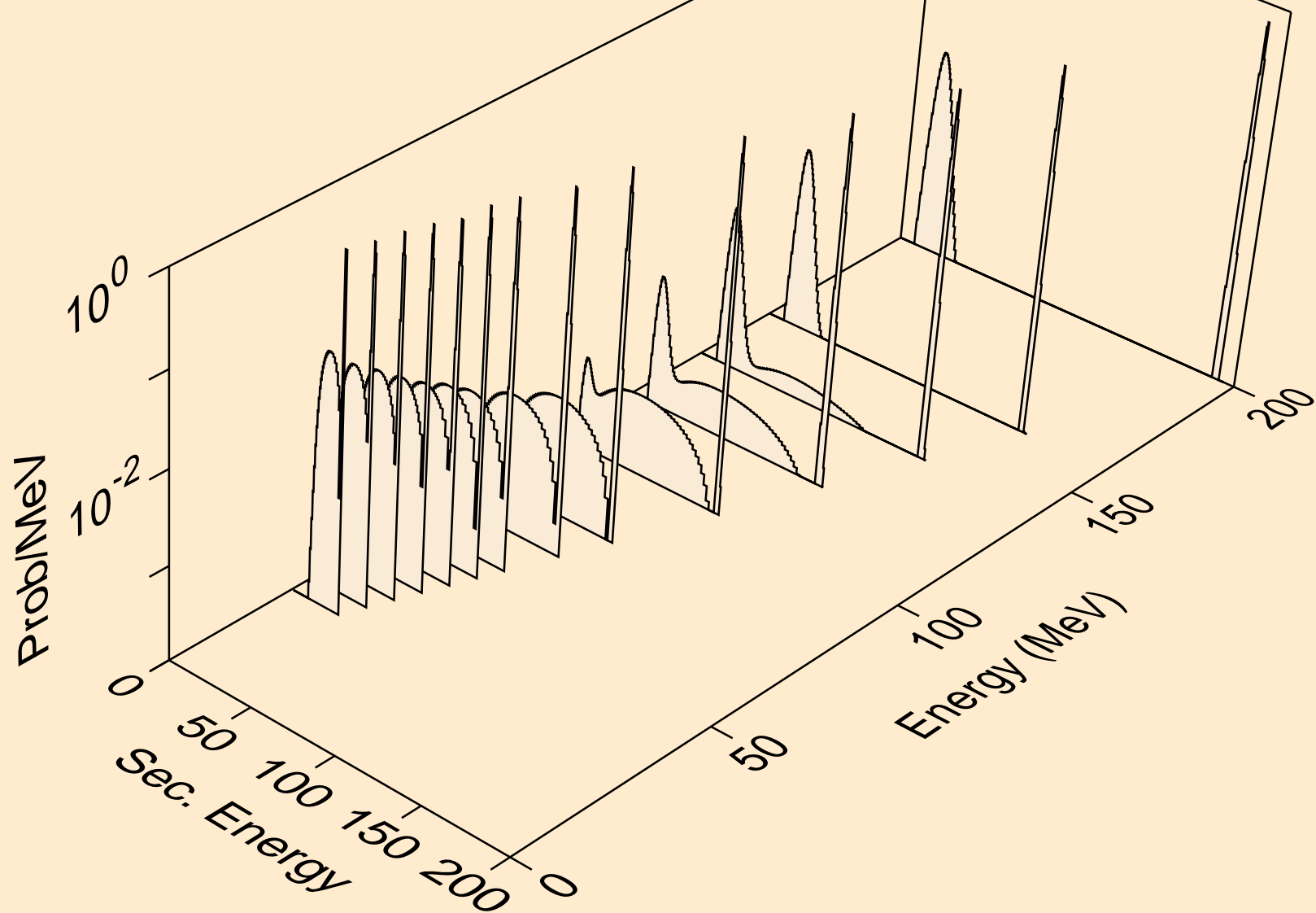
CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



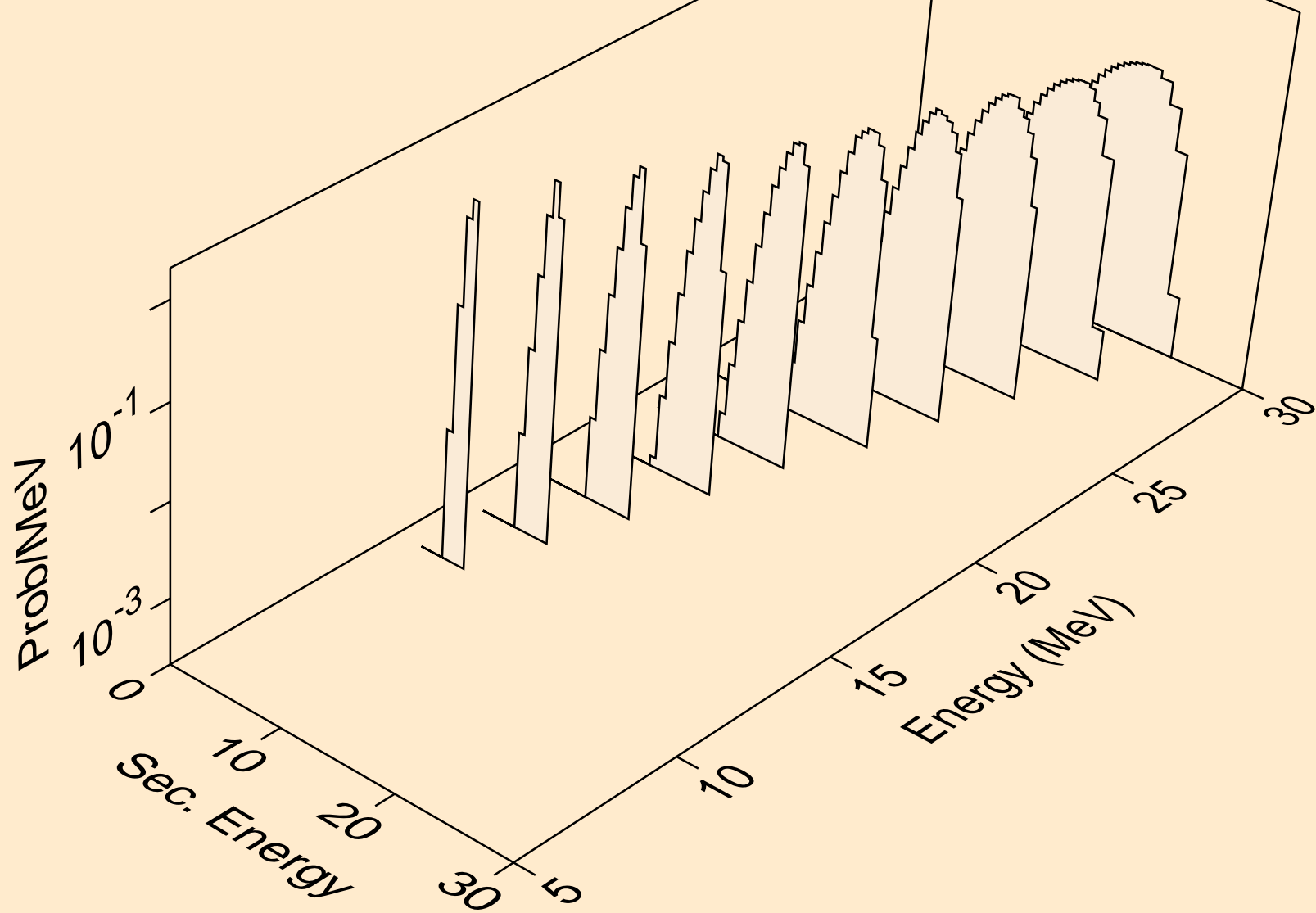
CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)

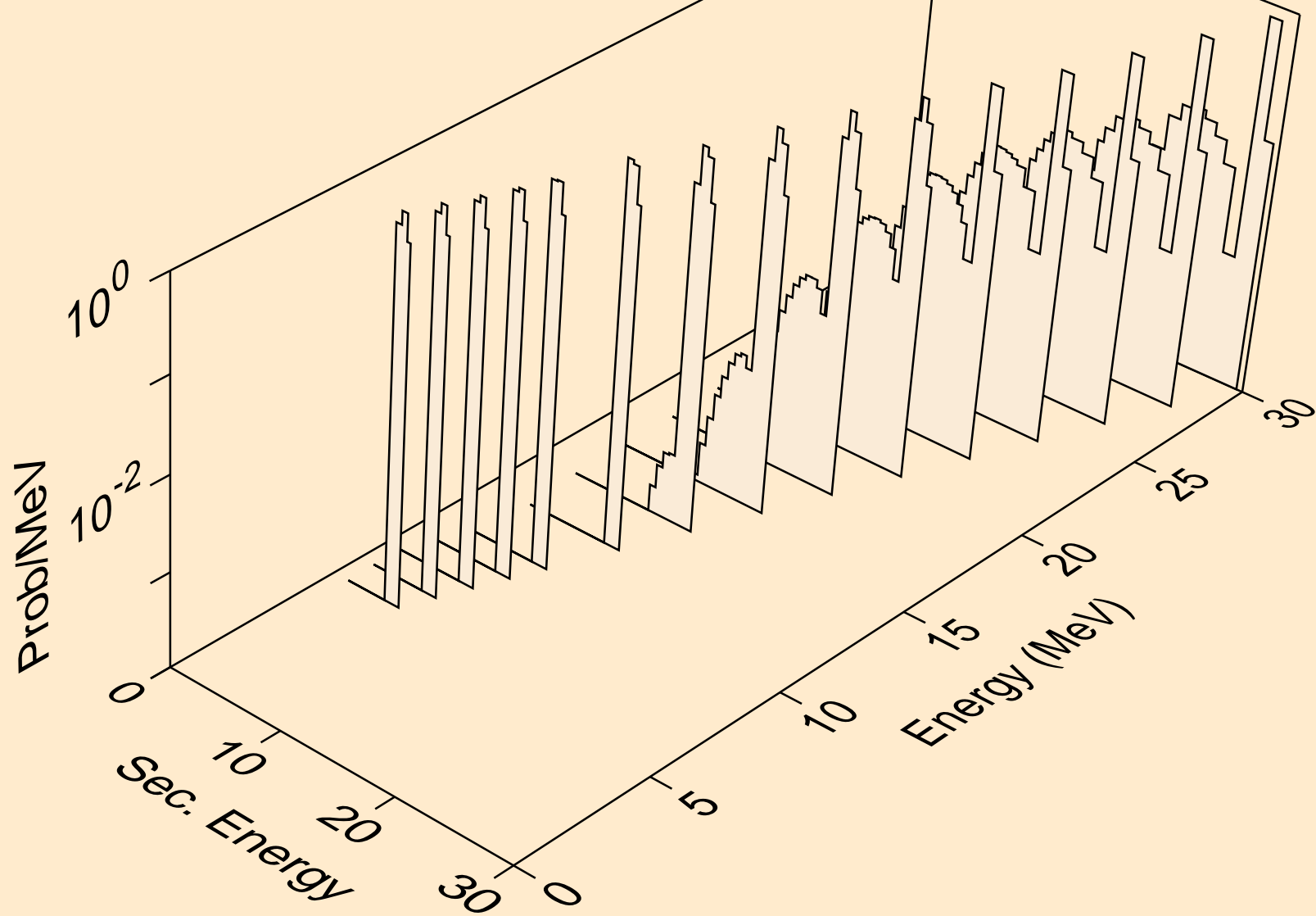


CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

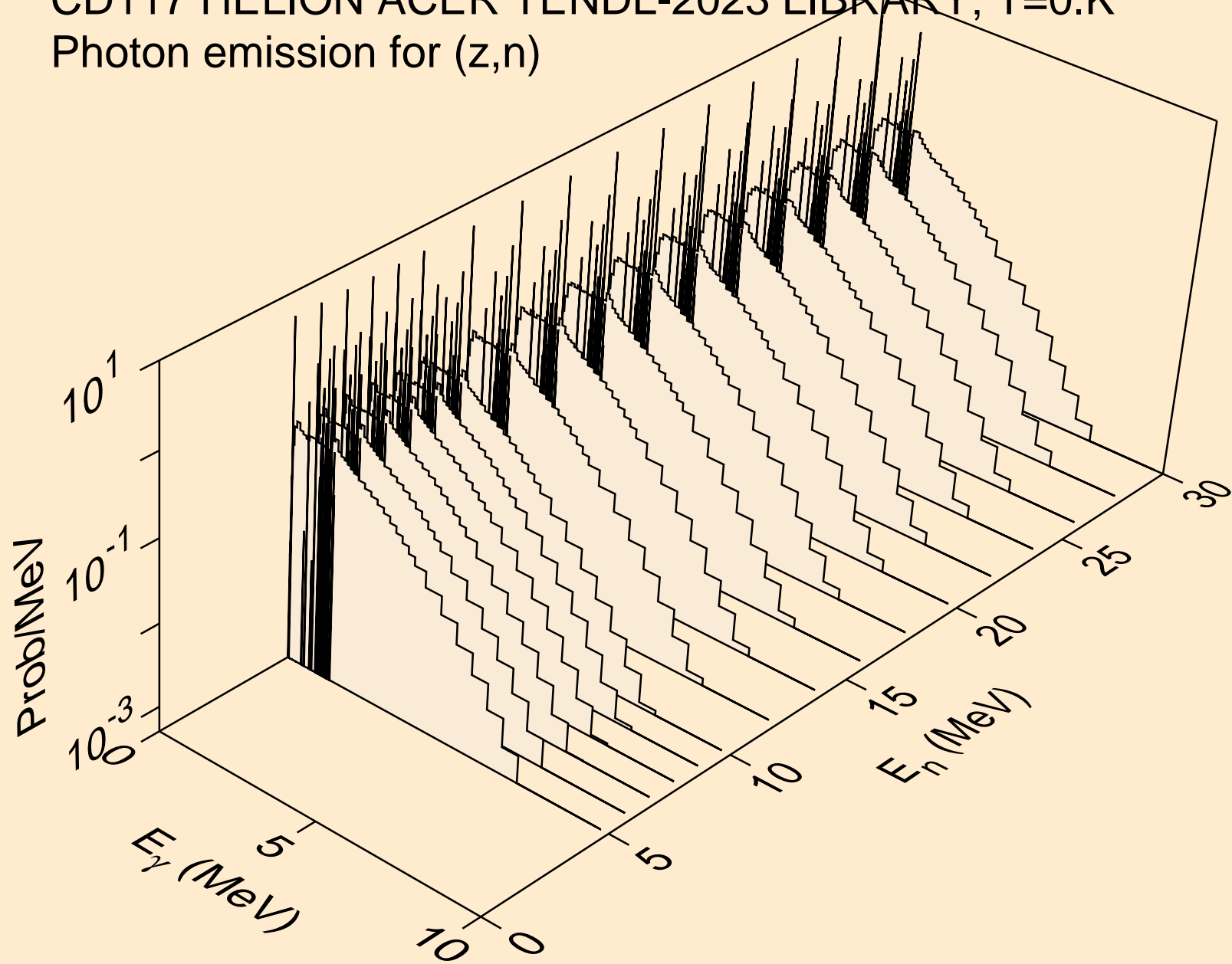




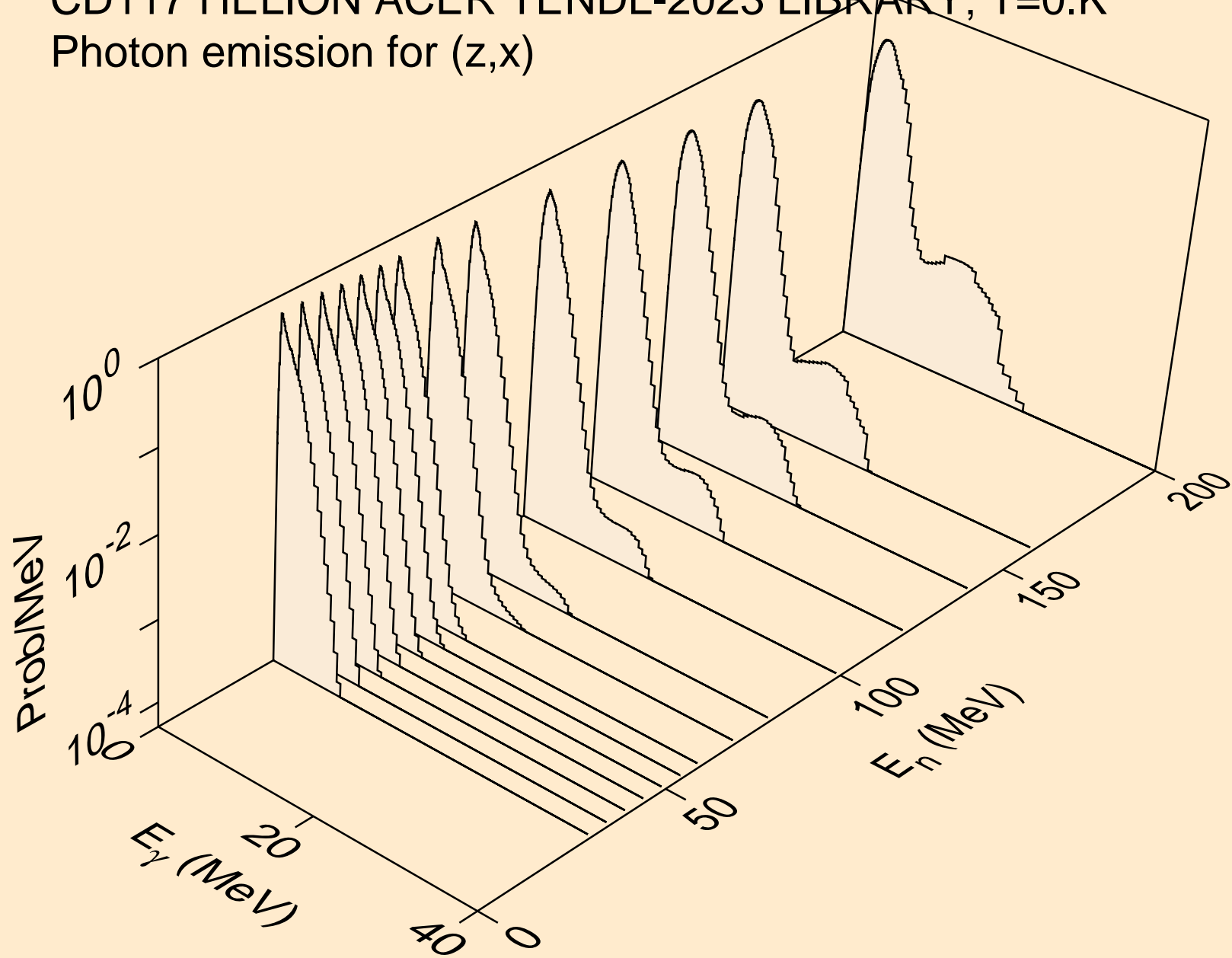
CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic



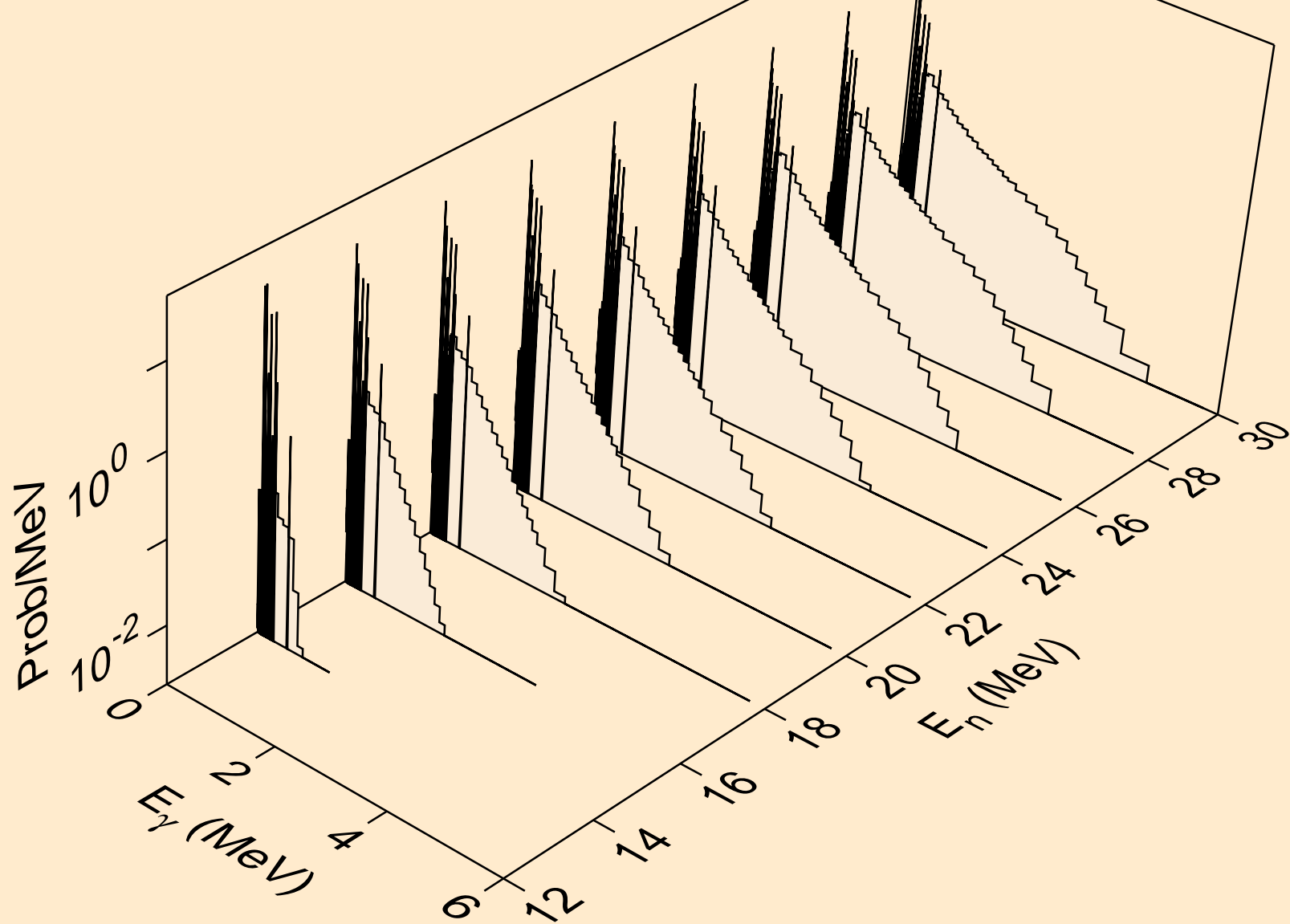
CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



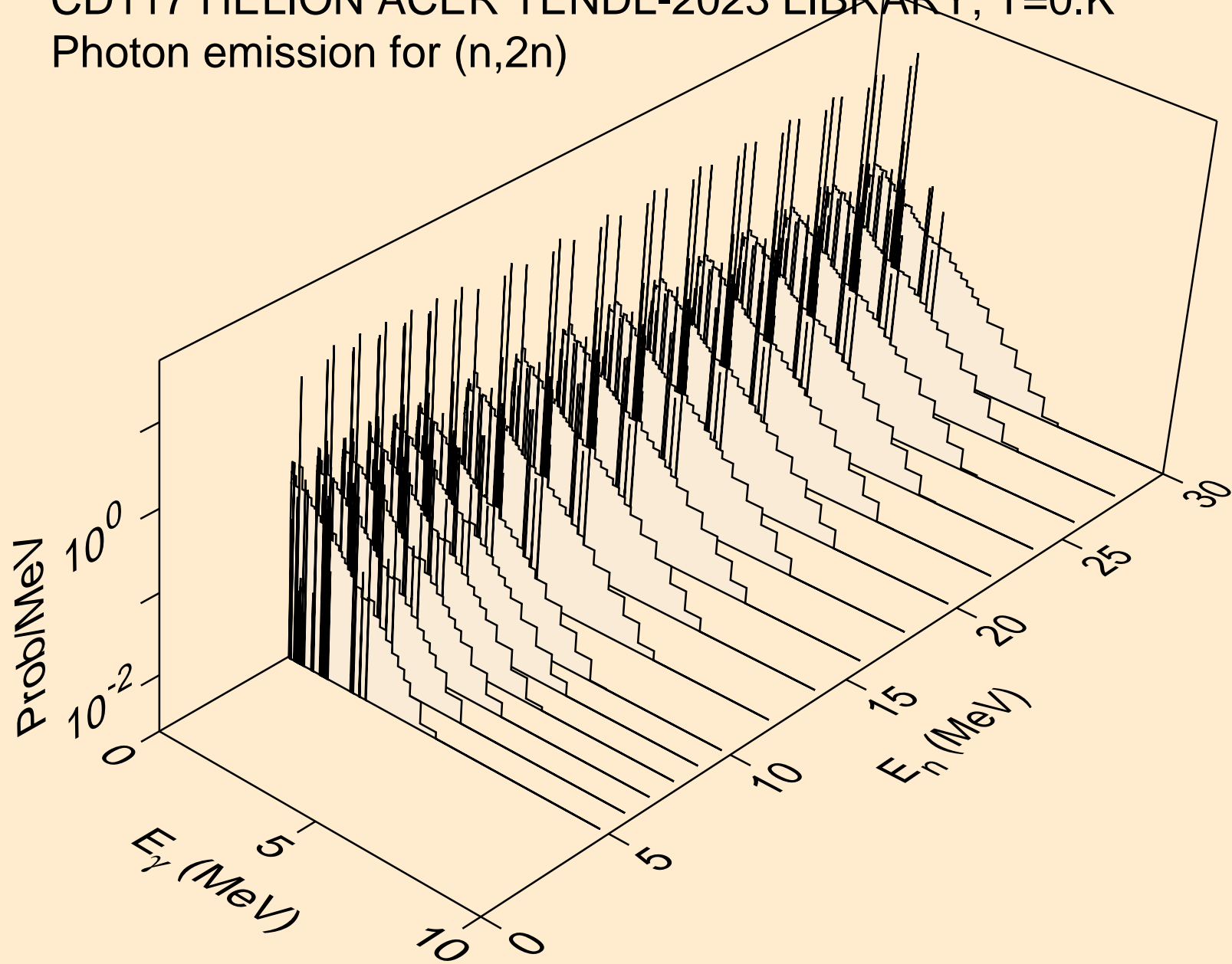
CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



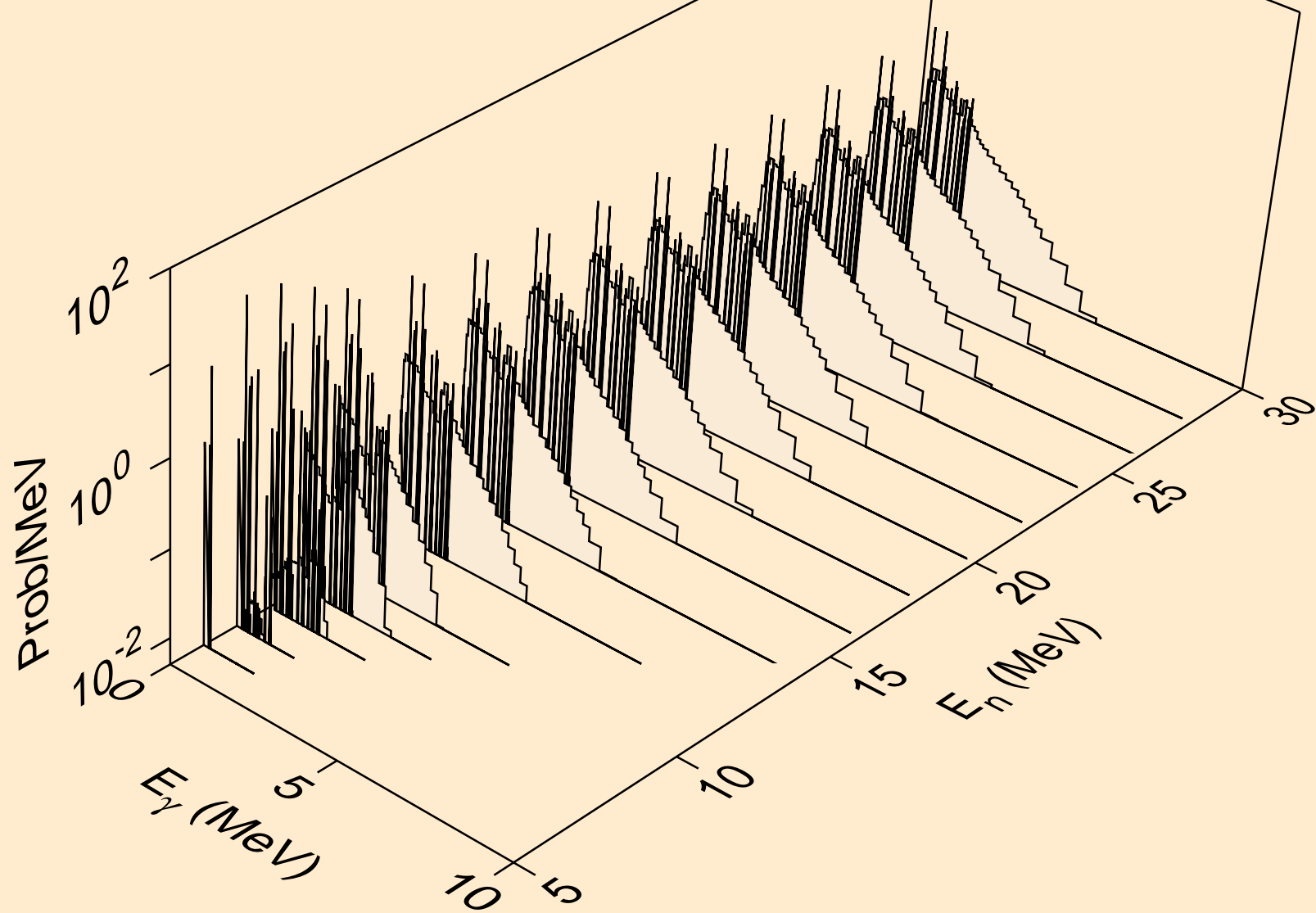
CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



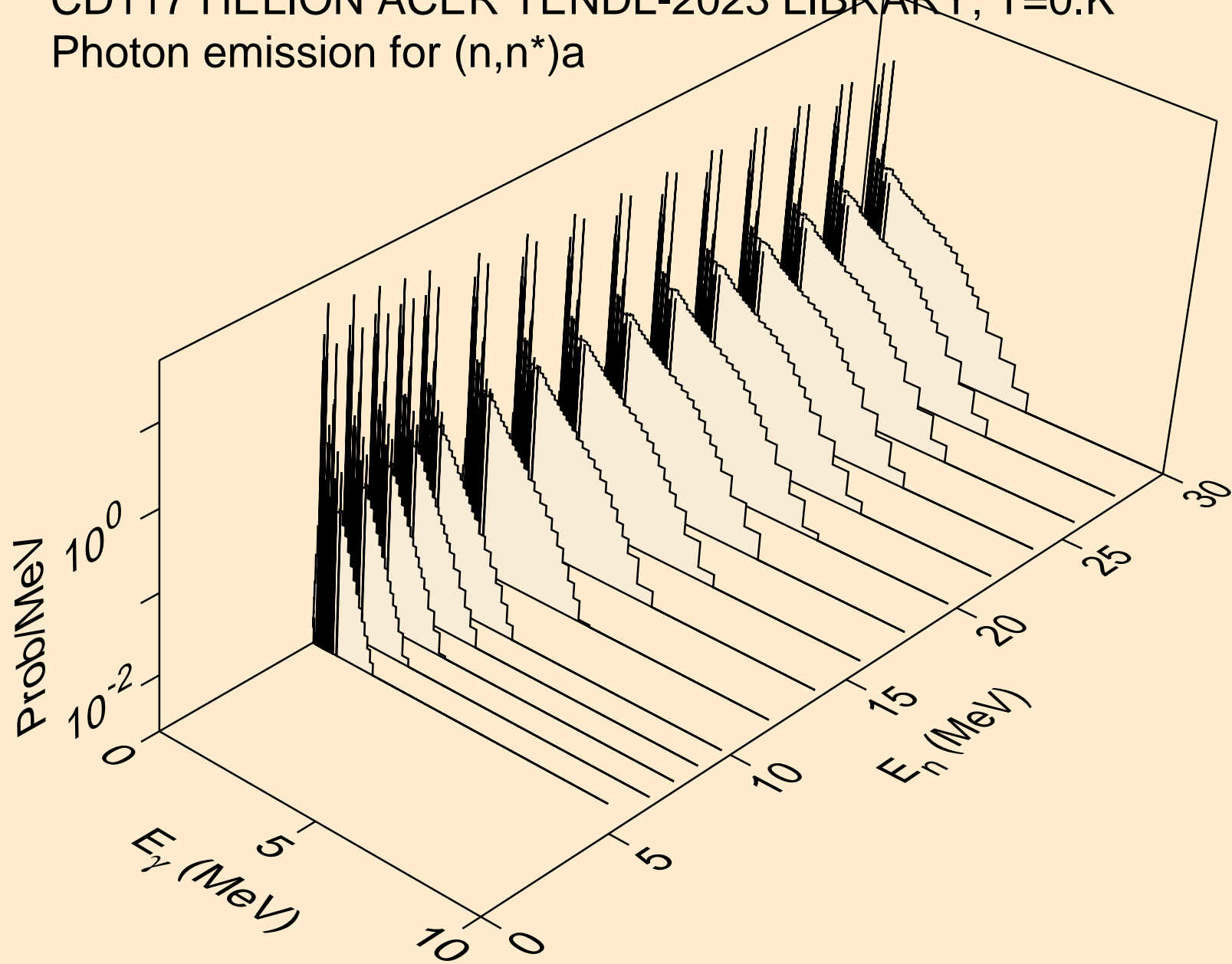
CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



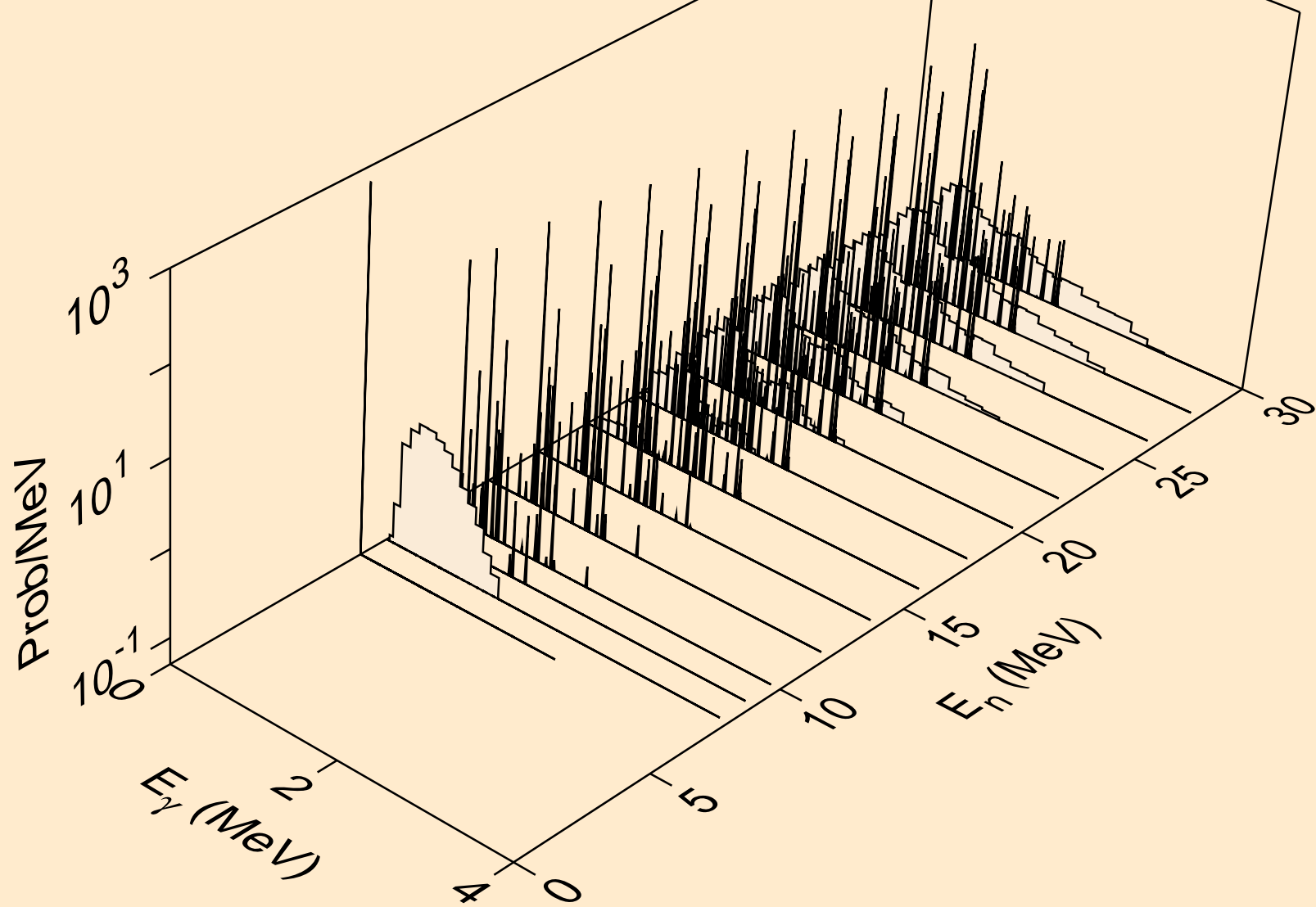
CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

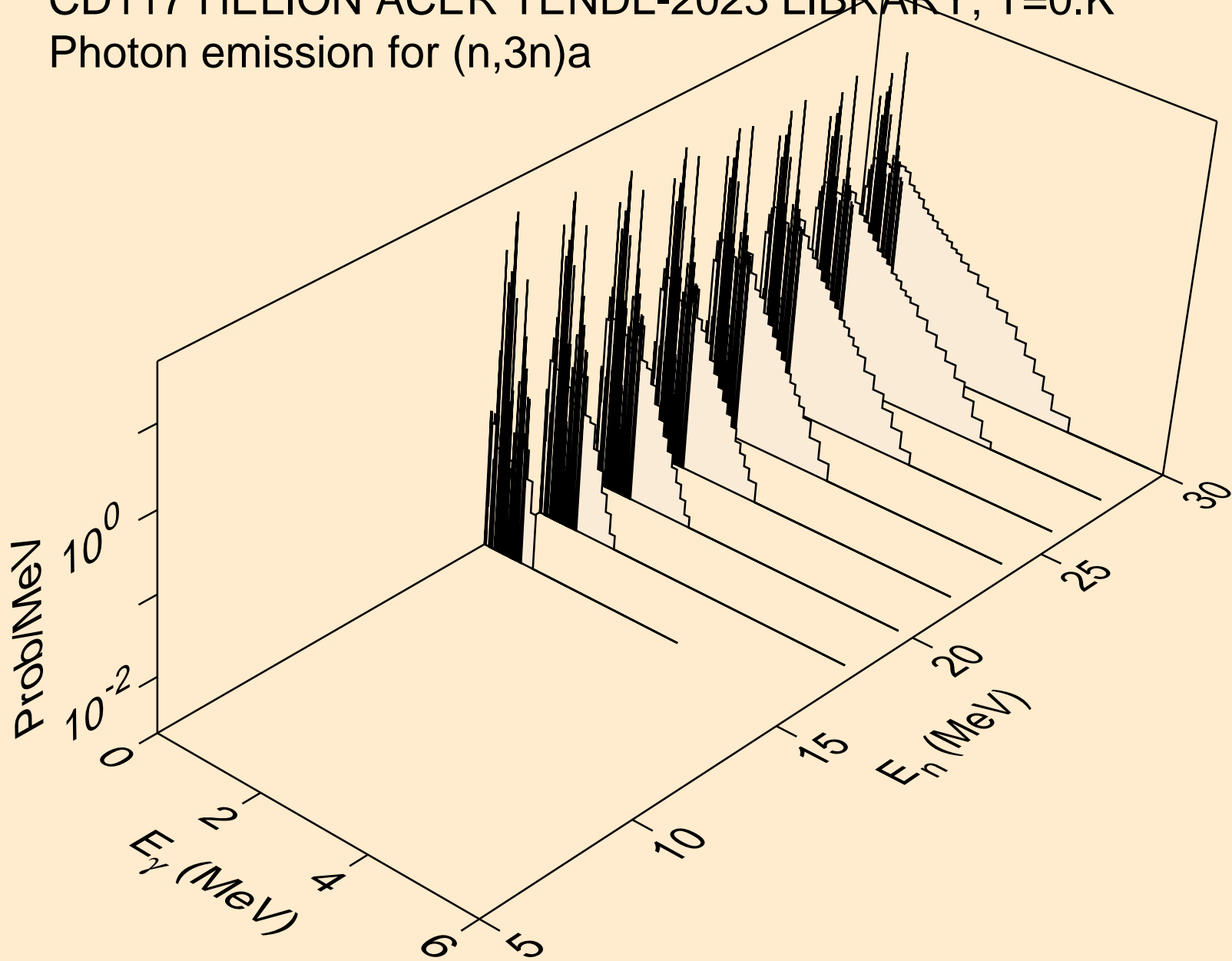


CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

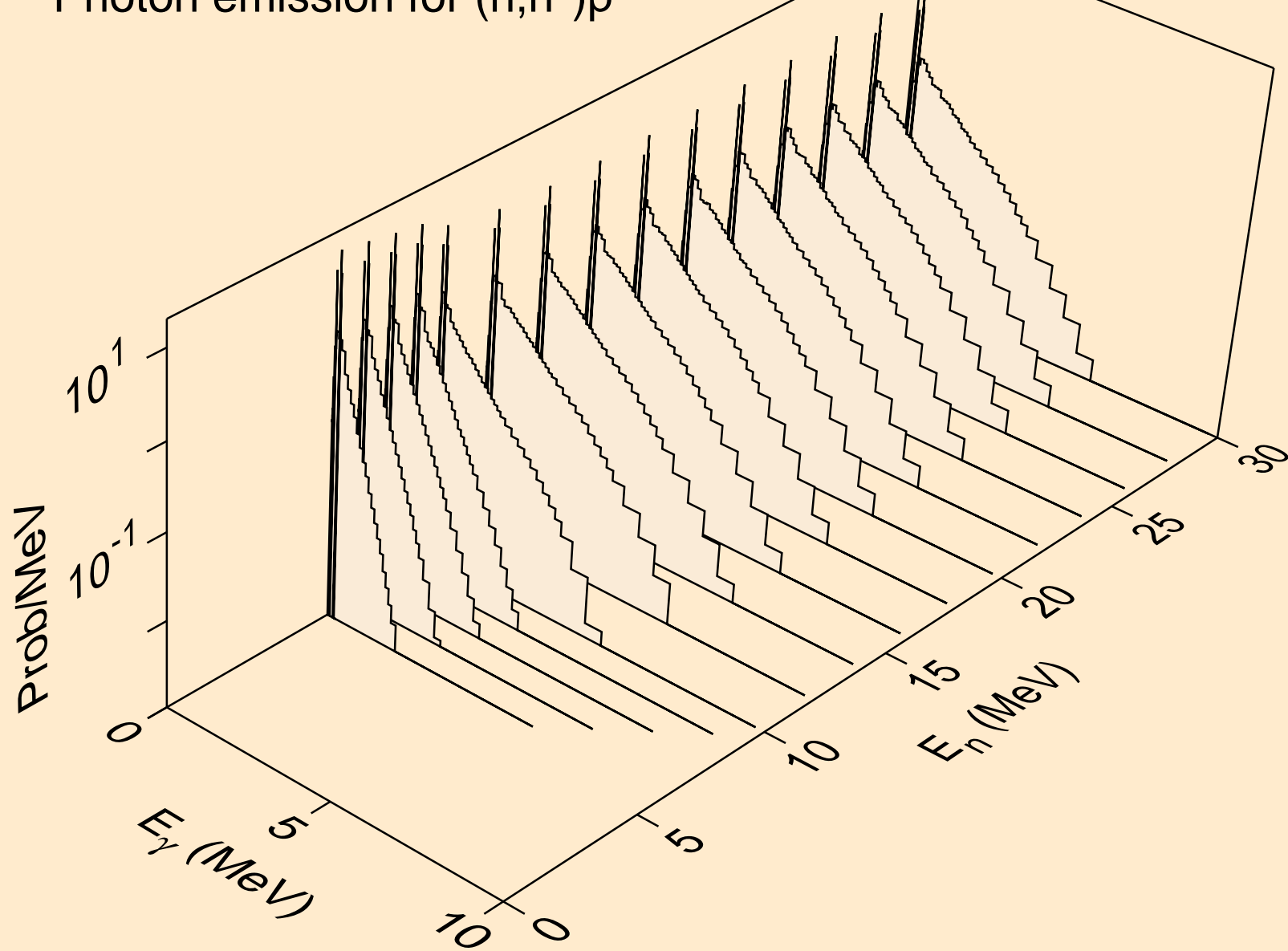




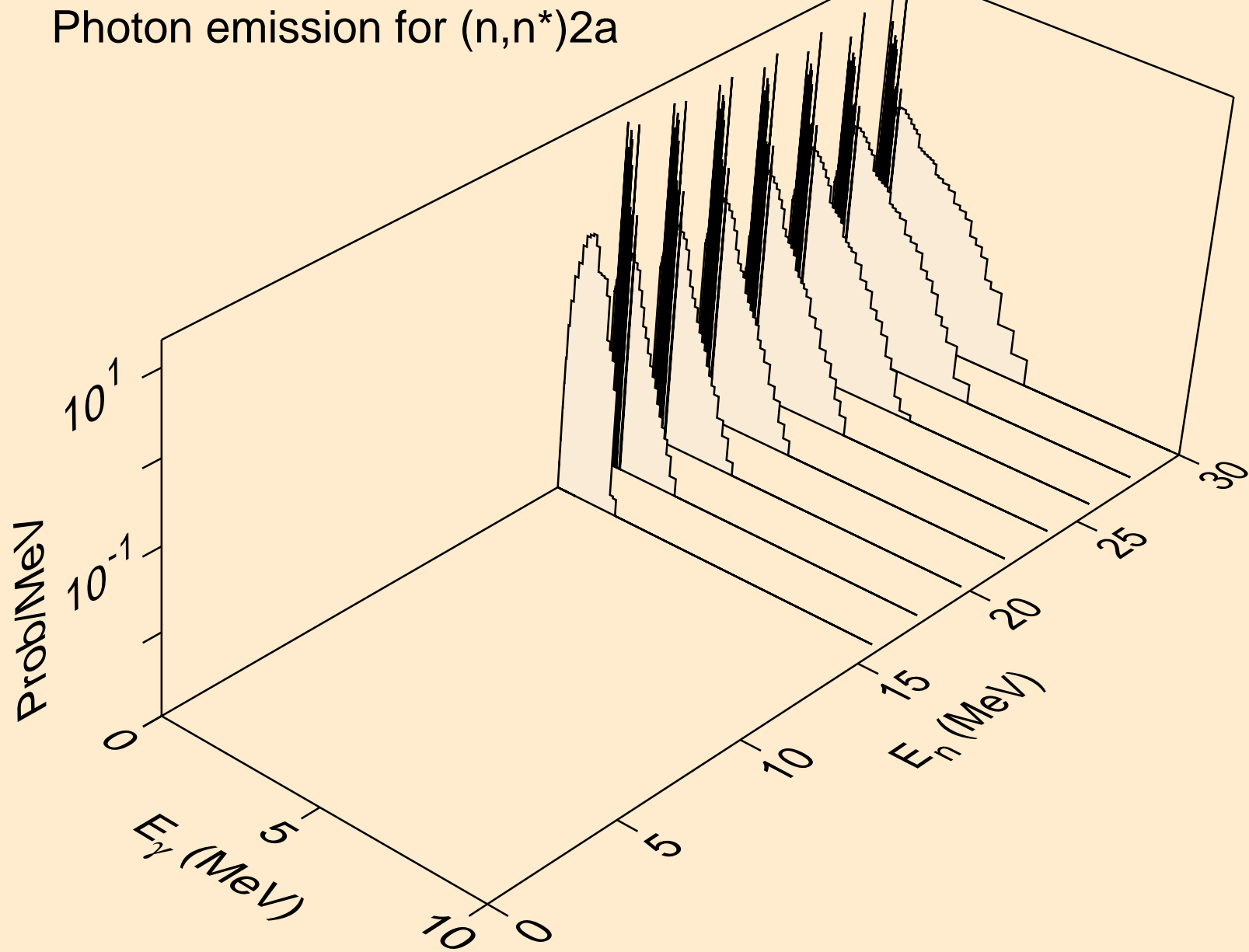
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Photon emission for (n,3n)a



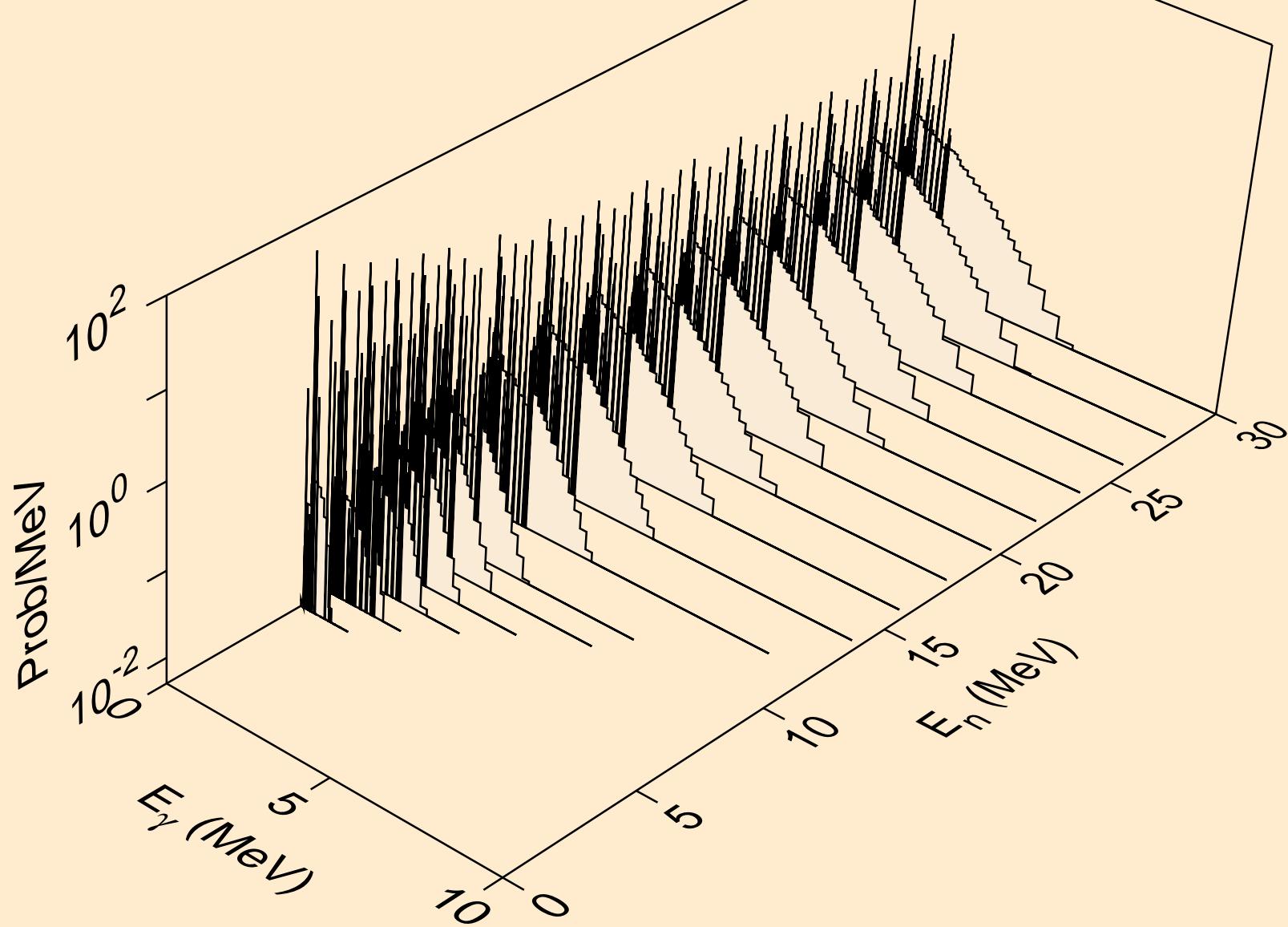
CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



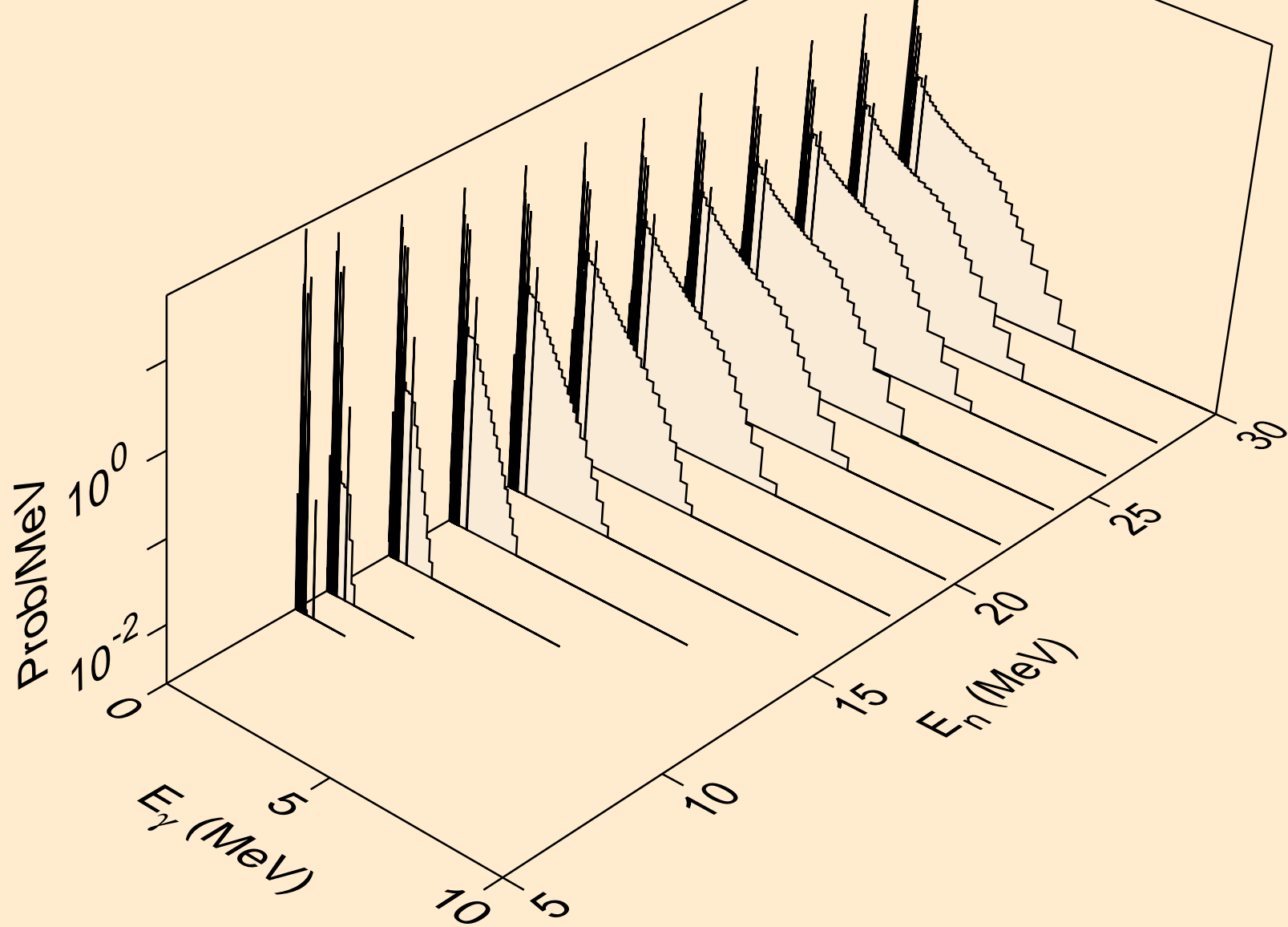
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Photon emission for (n,n\*)2a



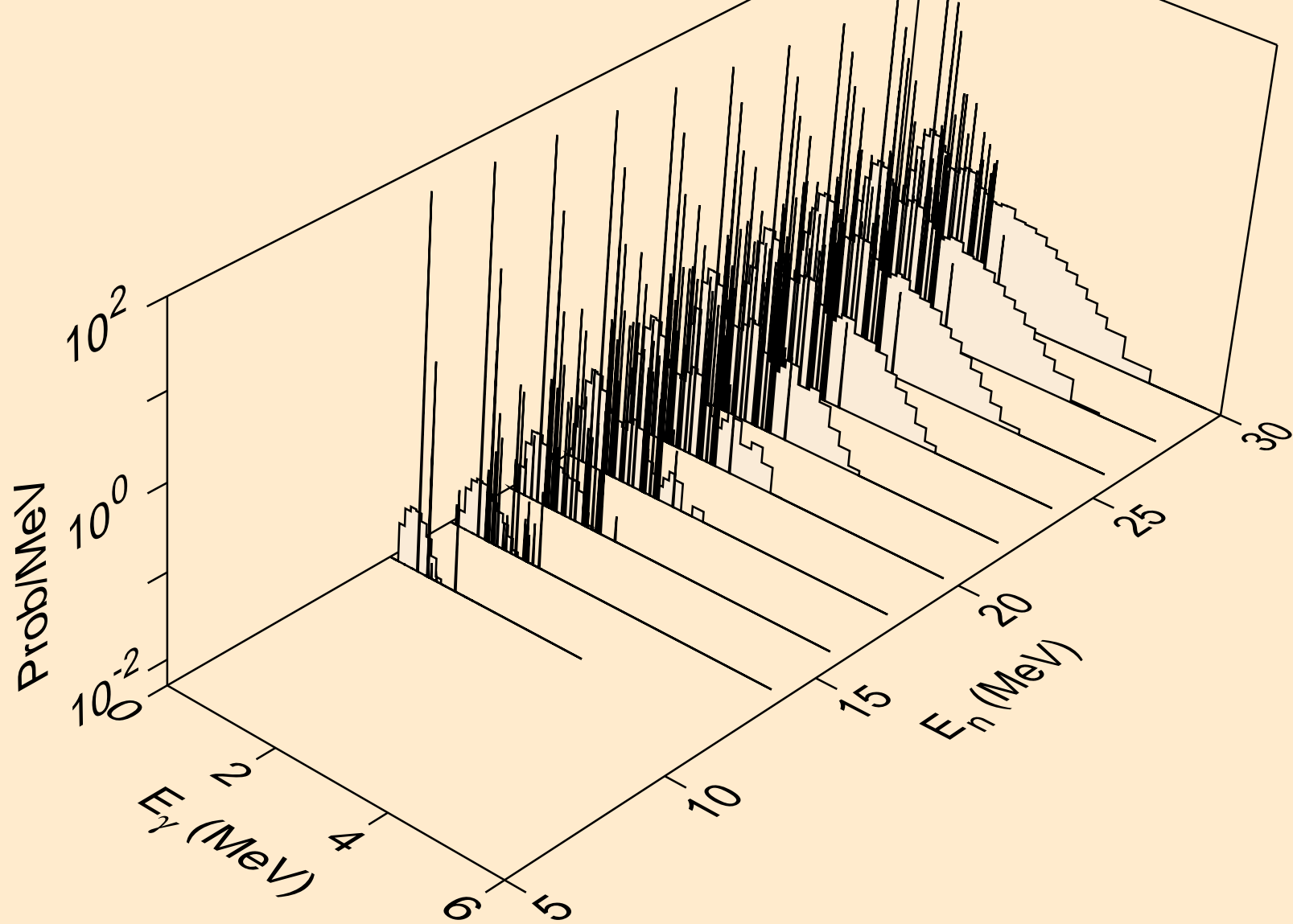
CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



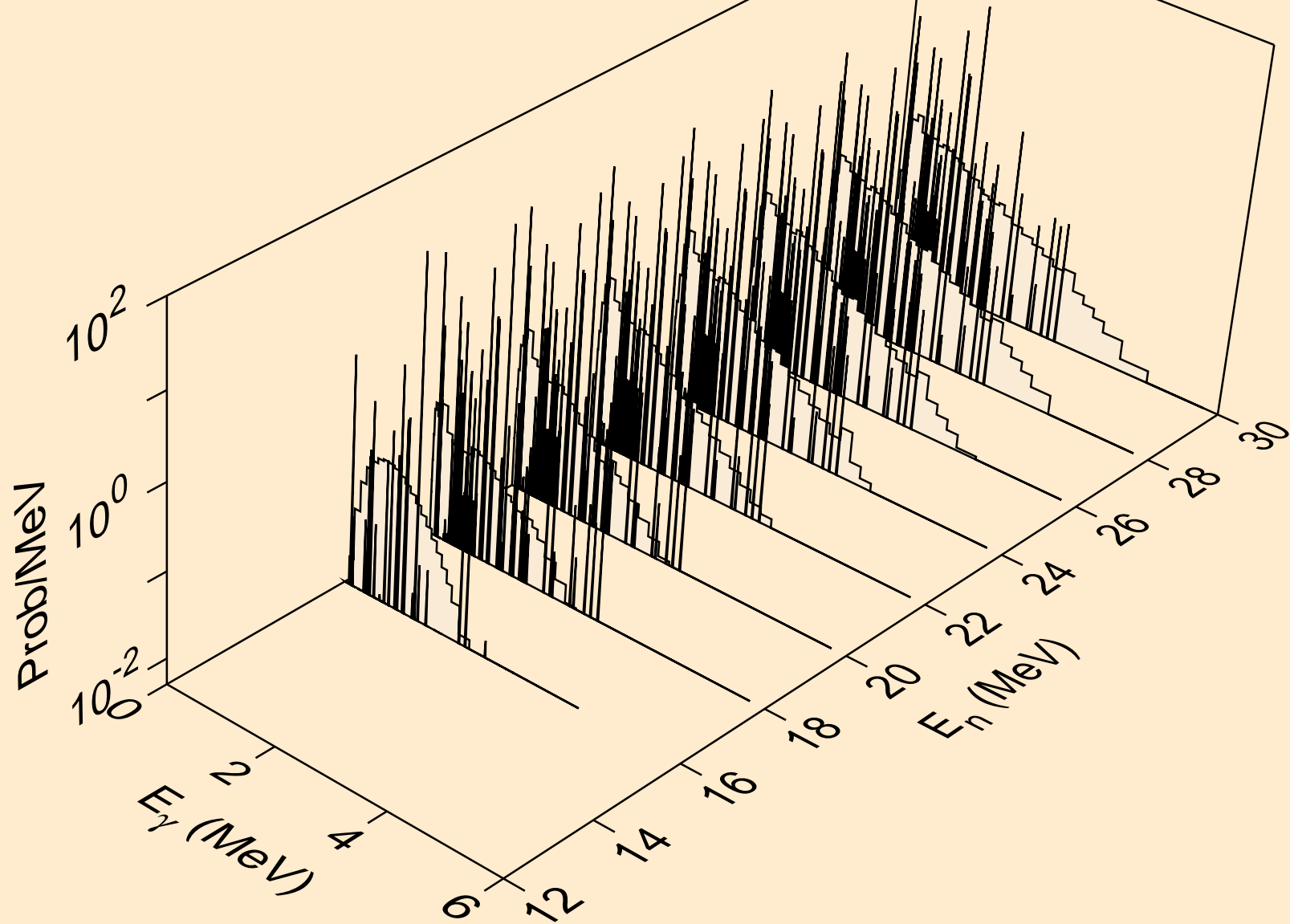
CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



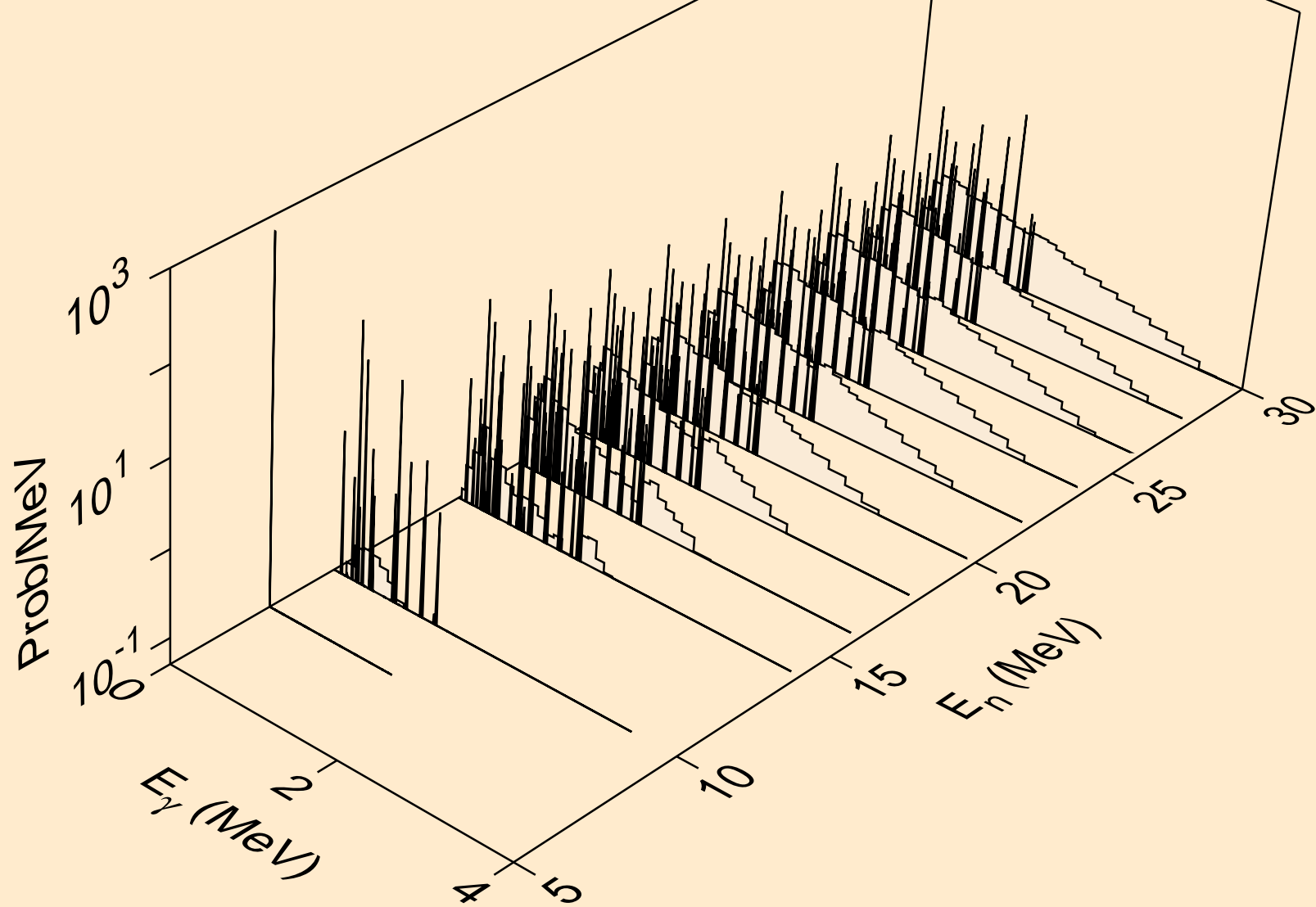
CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)

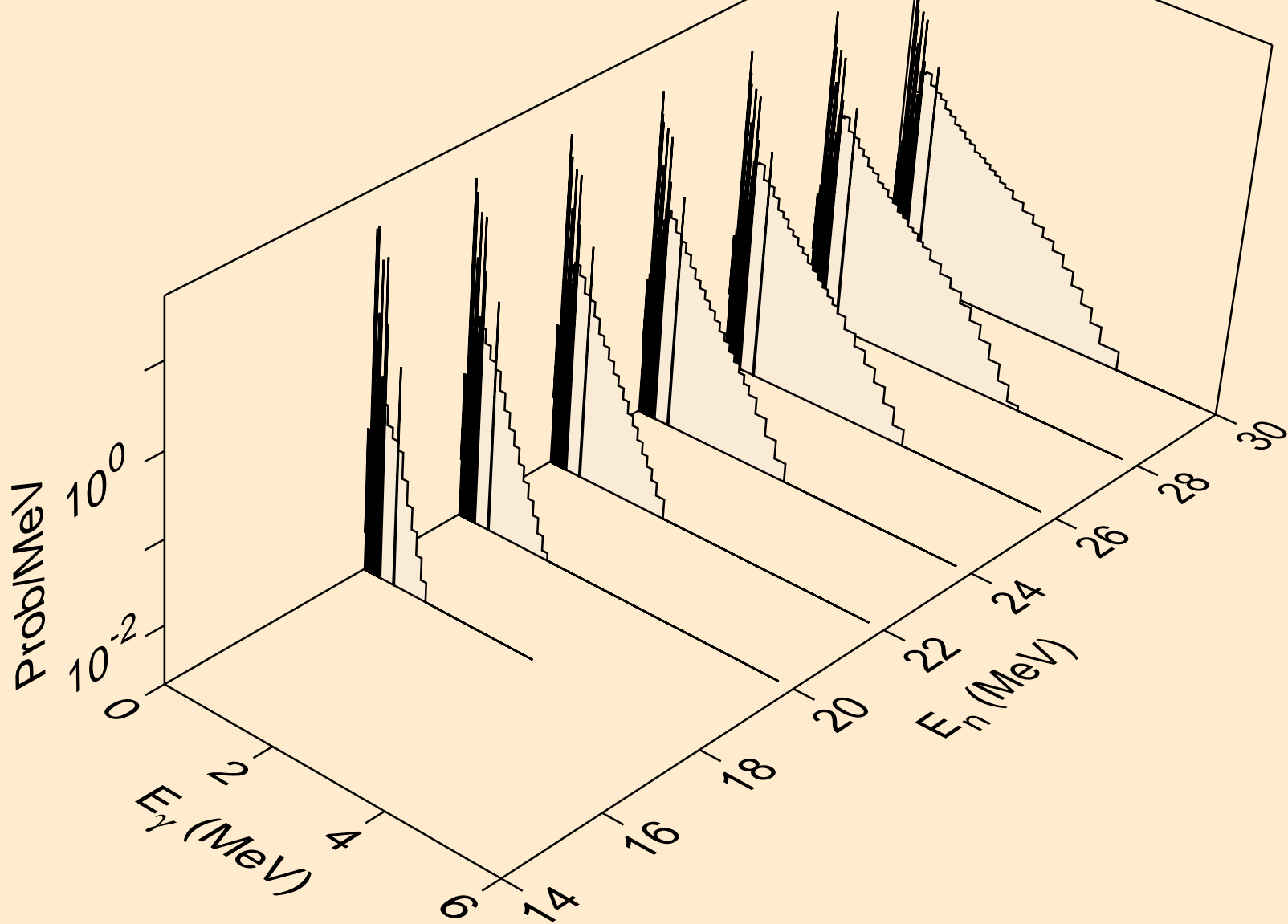


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Photon emission for (n,2np)

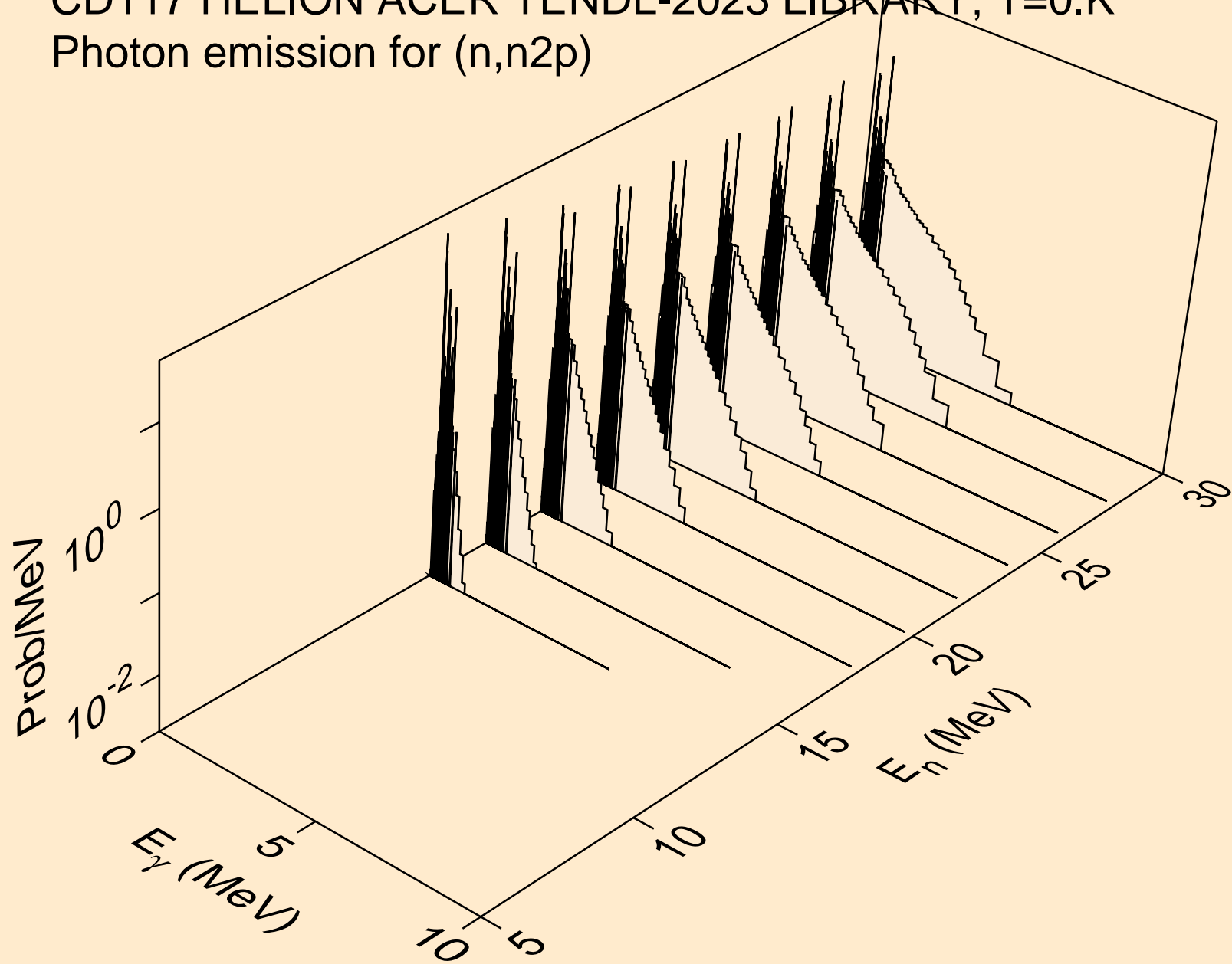




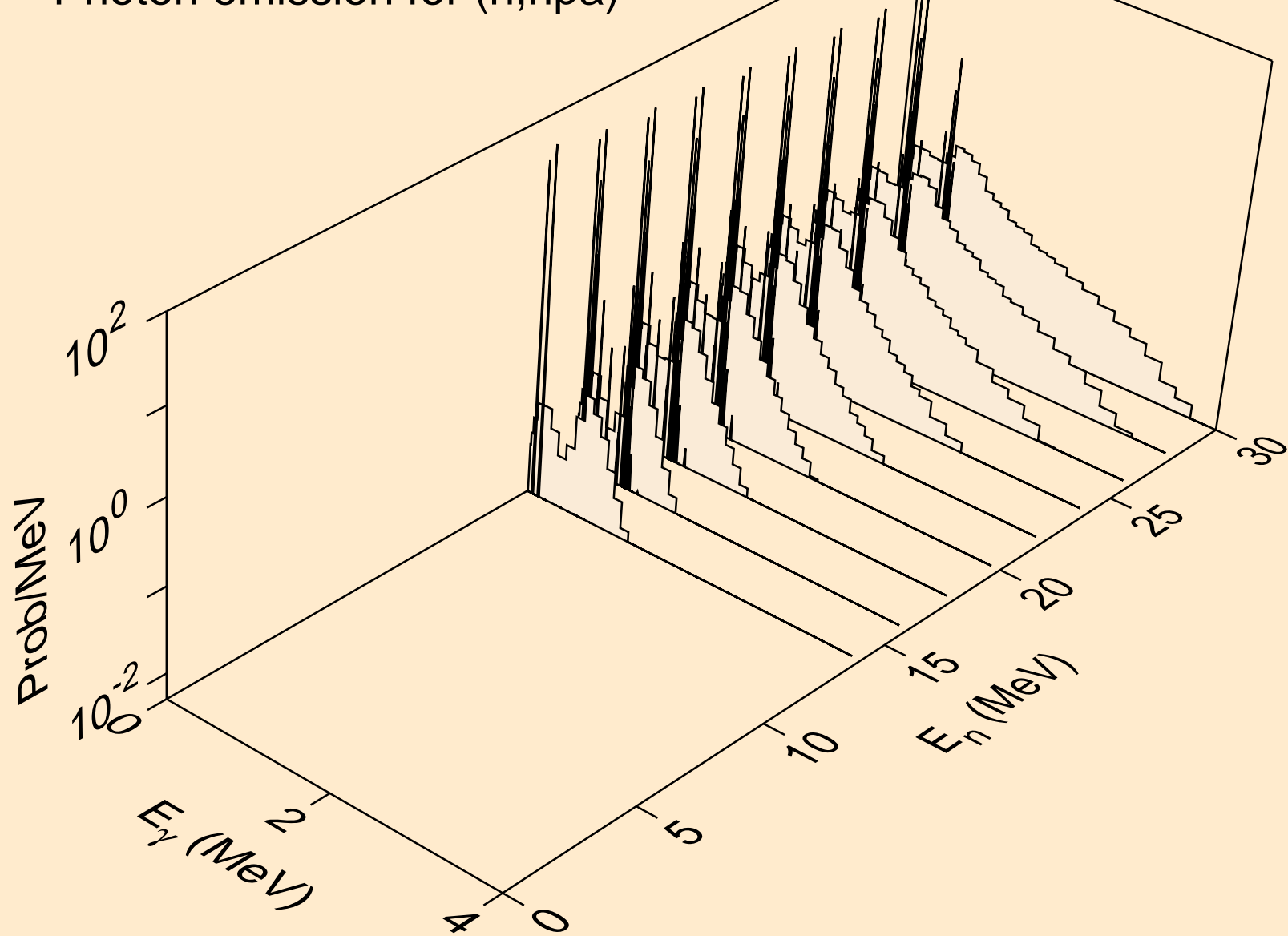
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Photon emission for (n,3np)



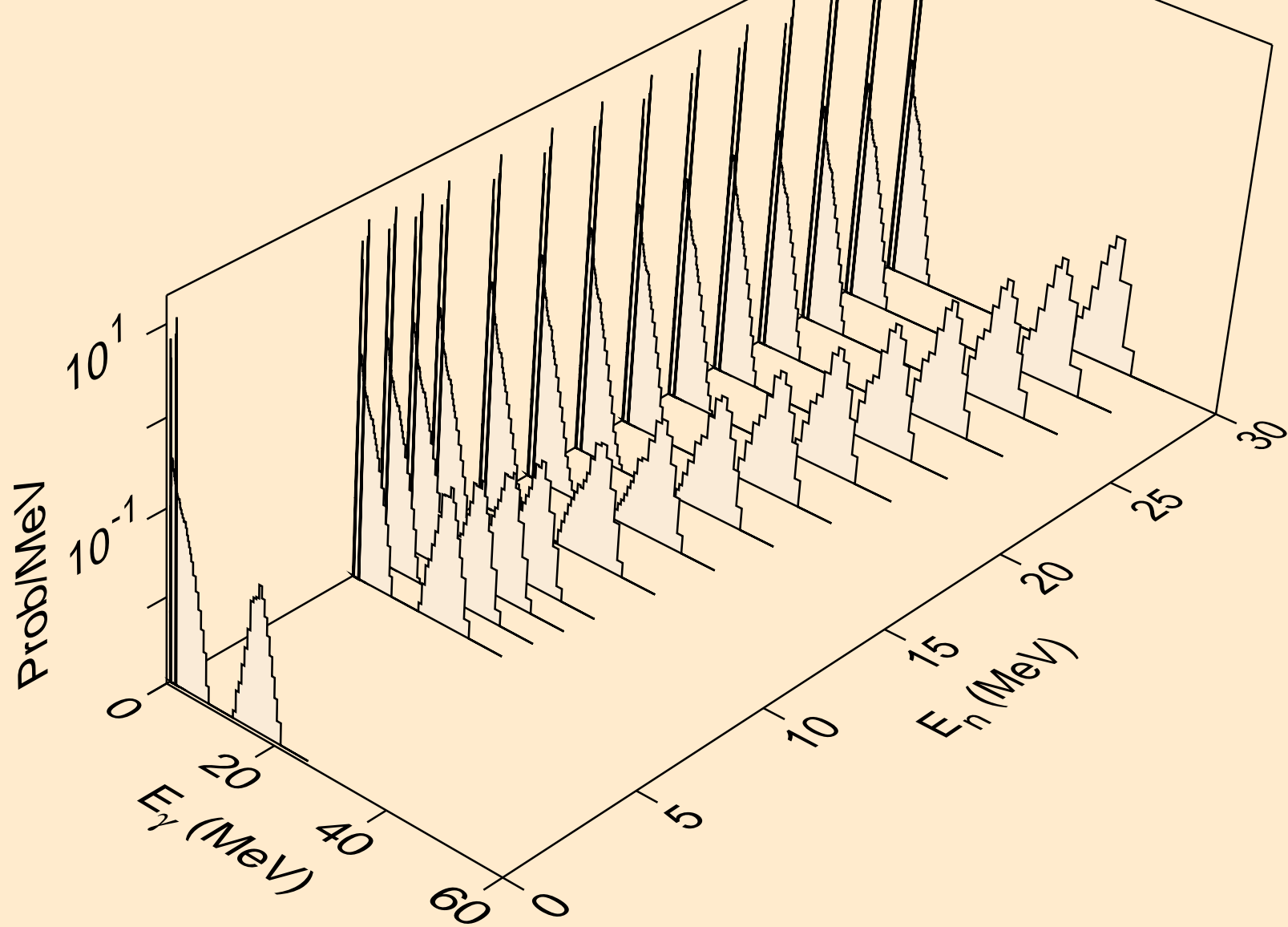
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Photon emission for (n,n2p)



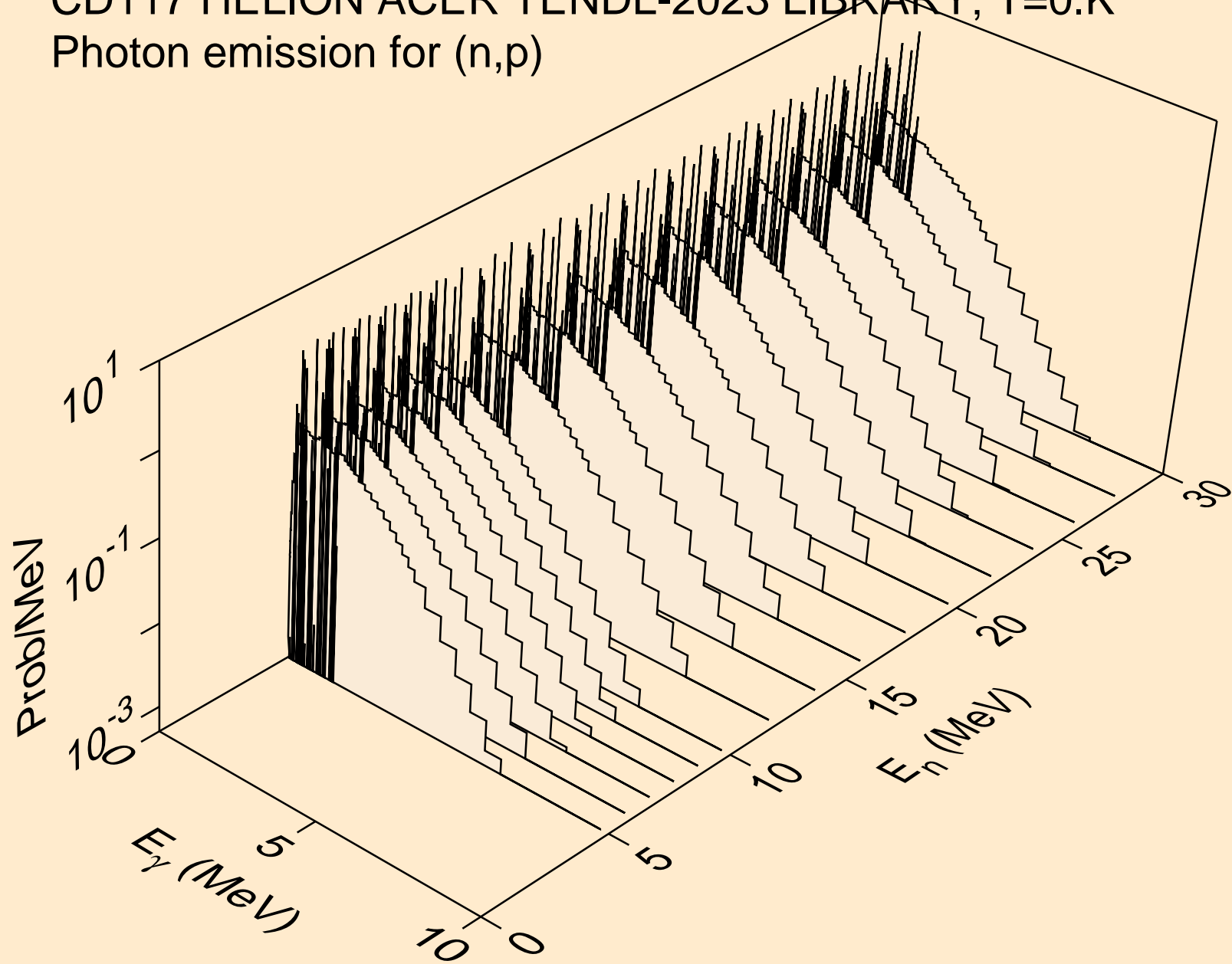
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Photon emission for (n,npa)



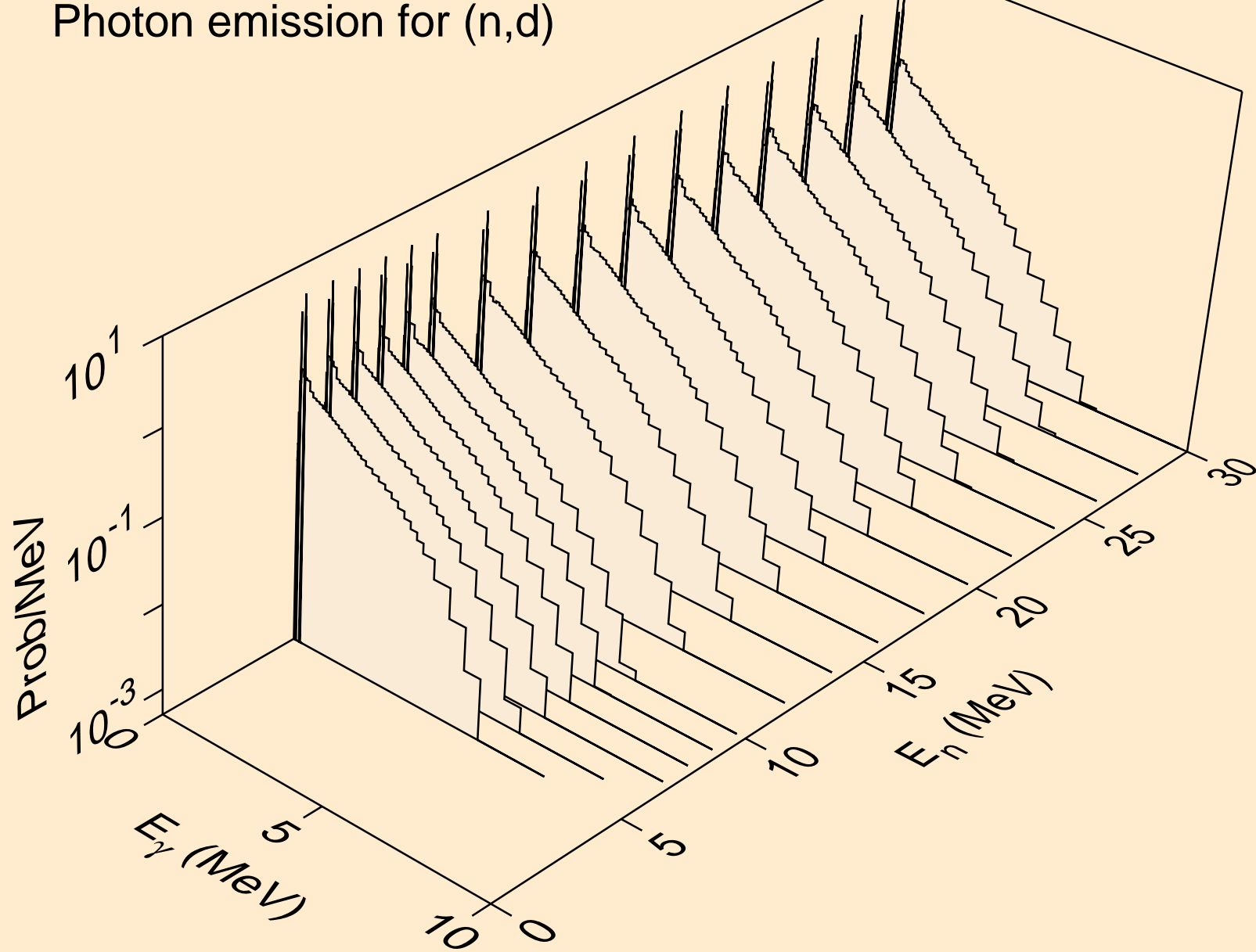
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Photon emission for (n,gma)



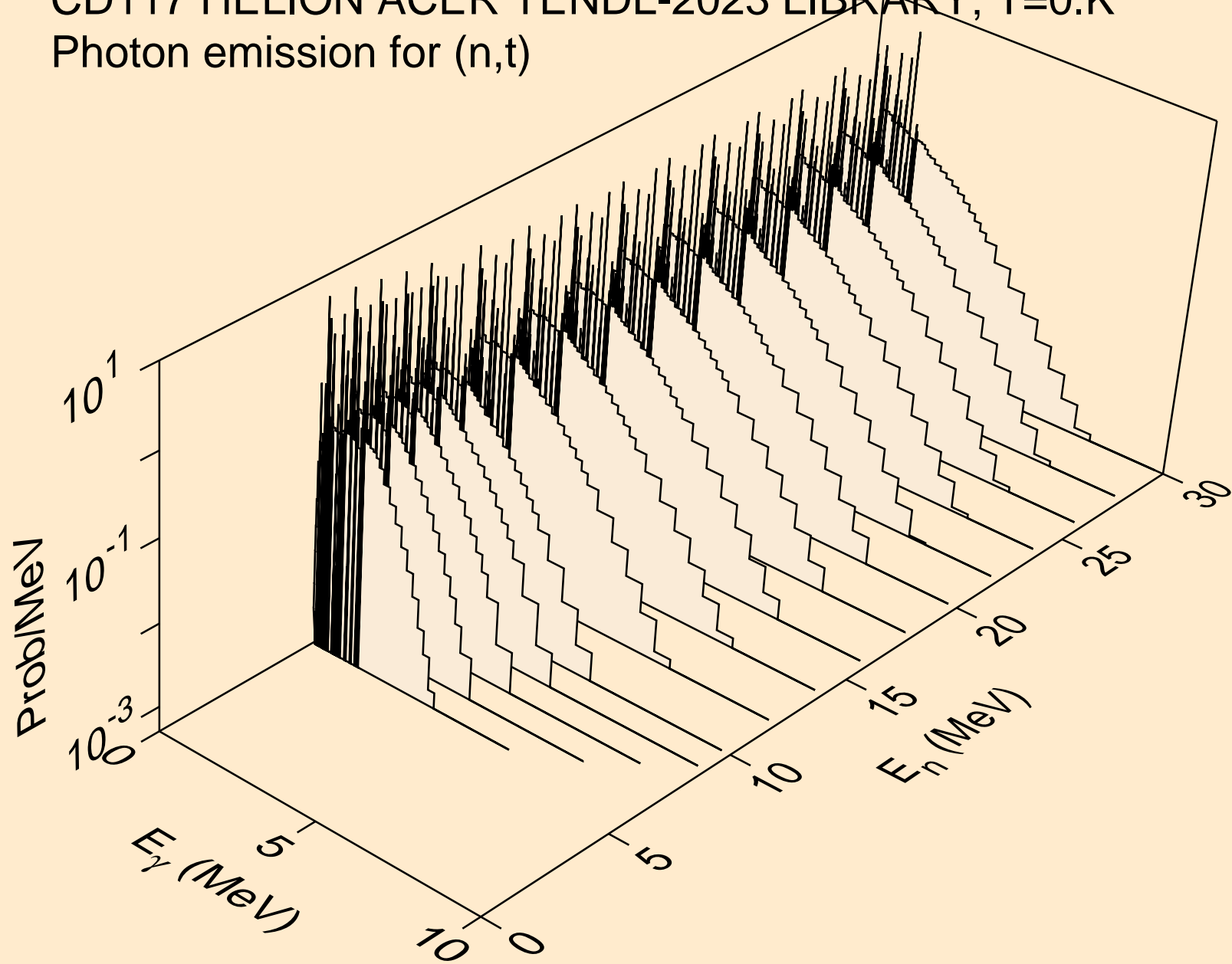
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Photon emission for (n,p)



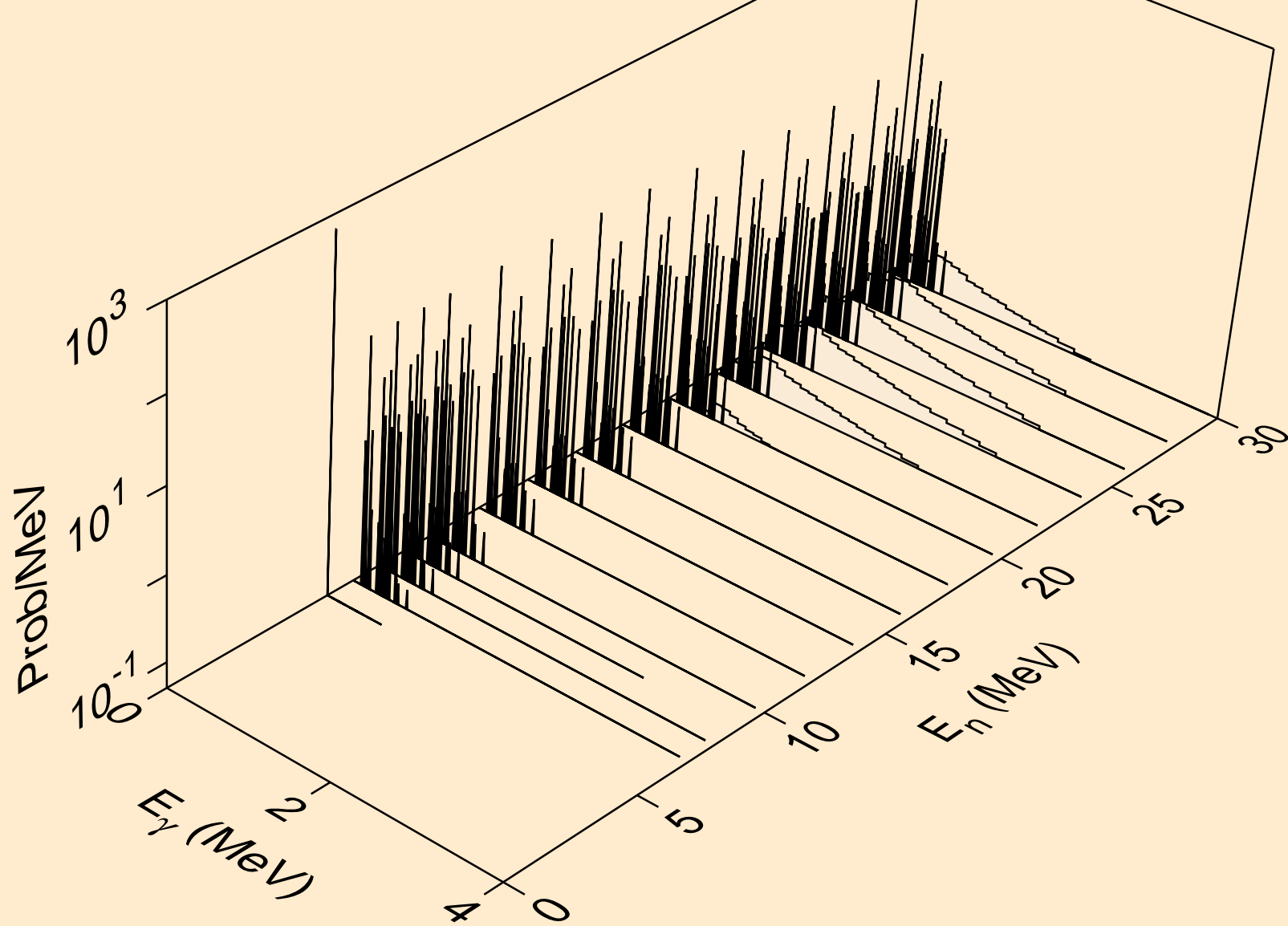
CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

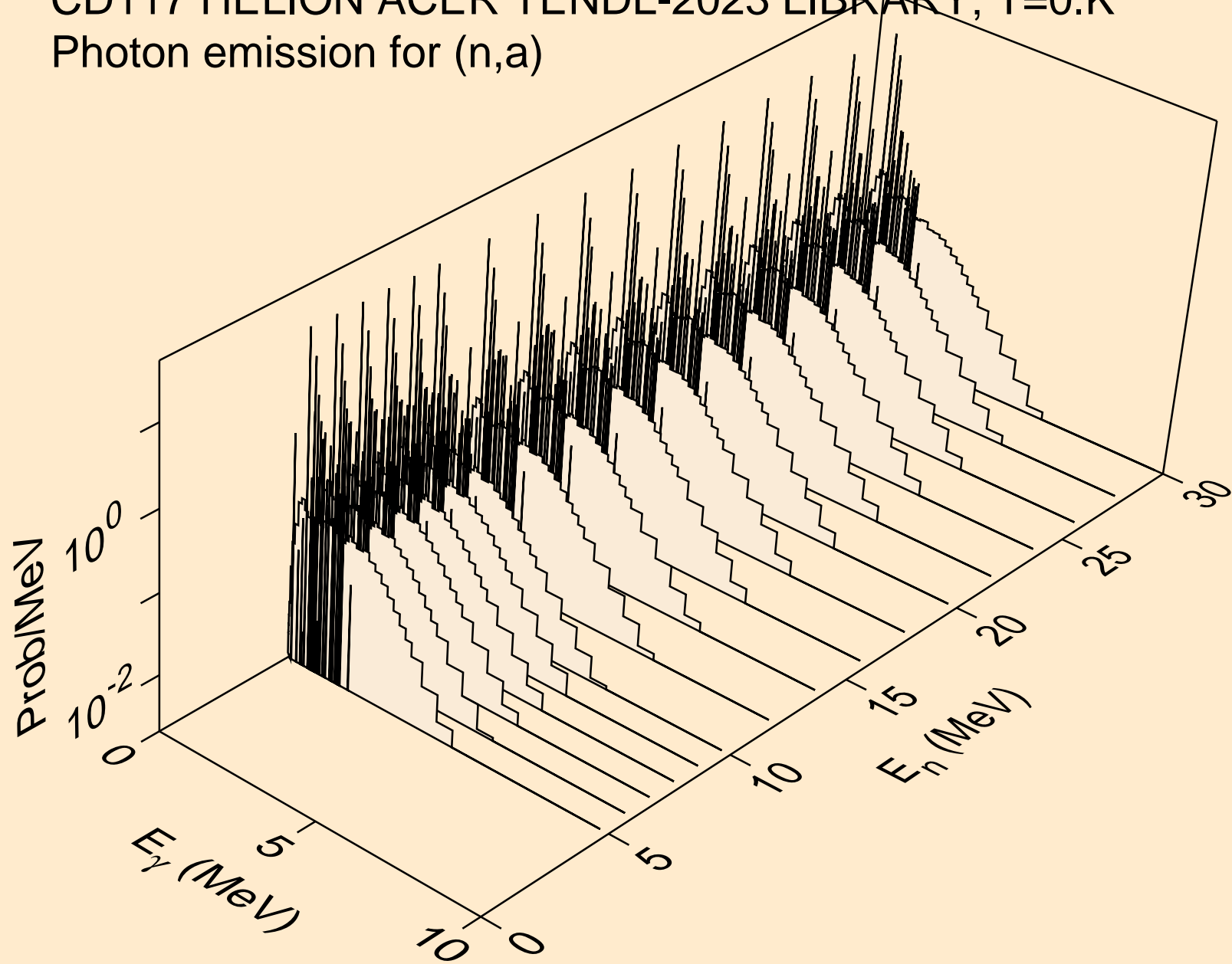


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Photon emission for inelastic

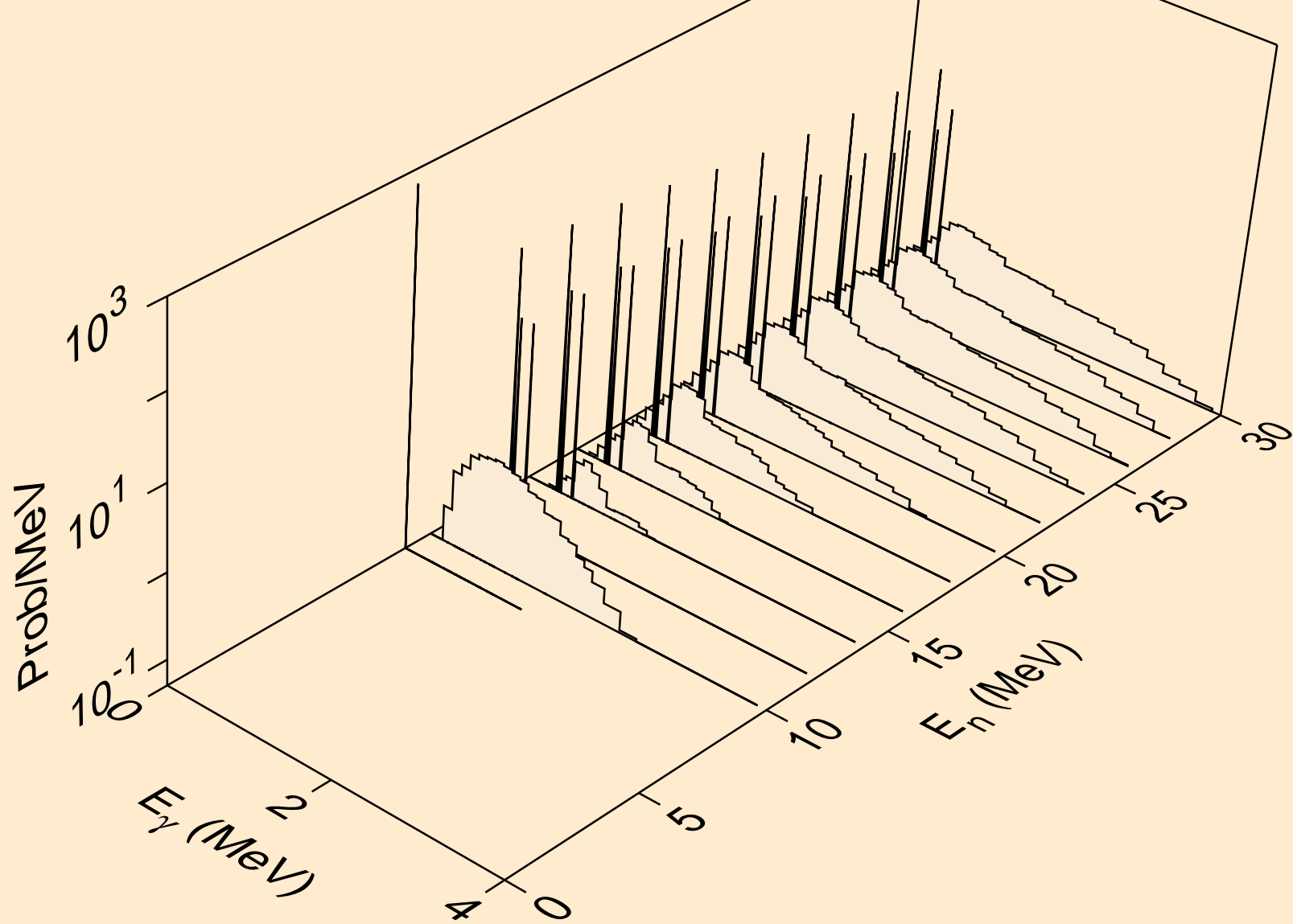




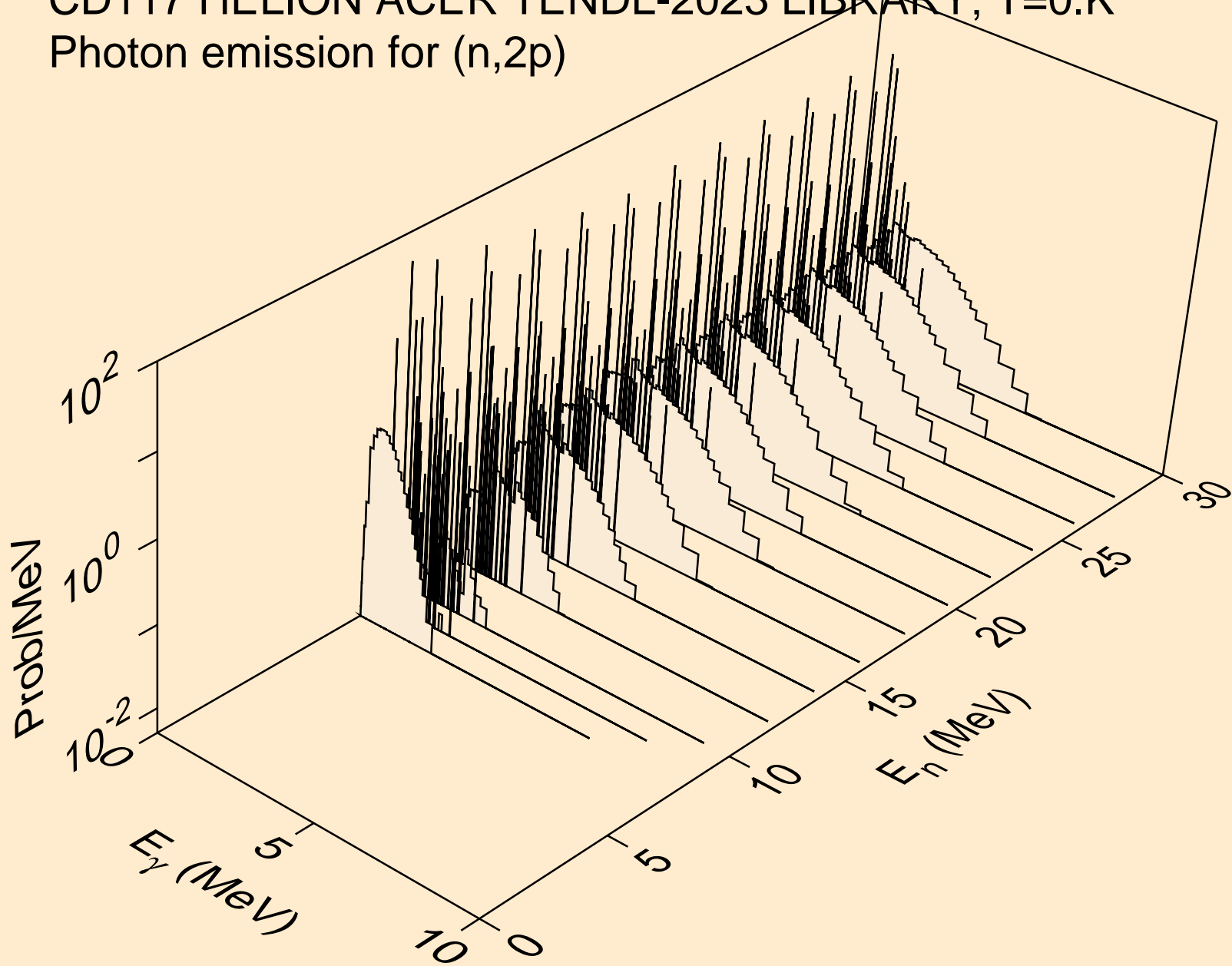
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Photon emission for (n,a)



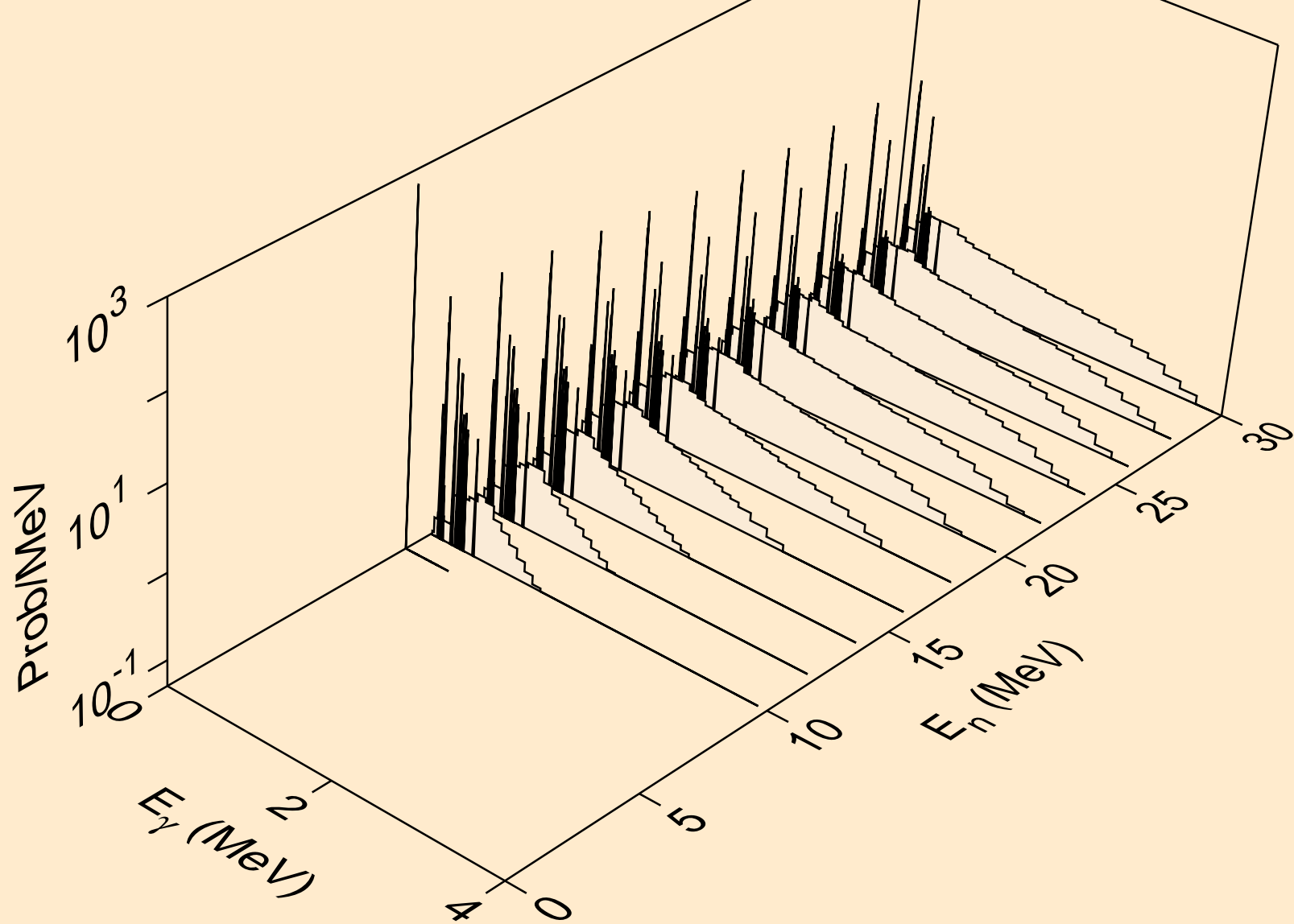
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Photon emission for (n,2a)



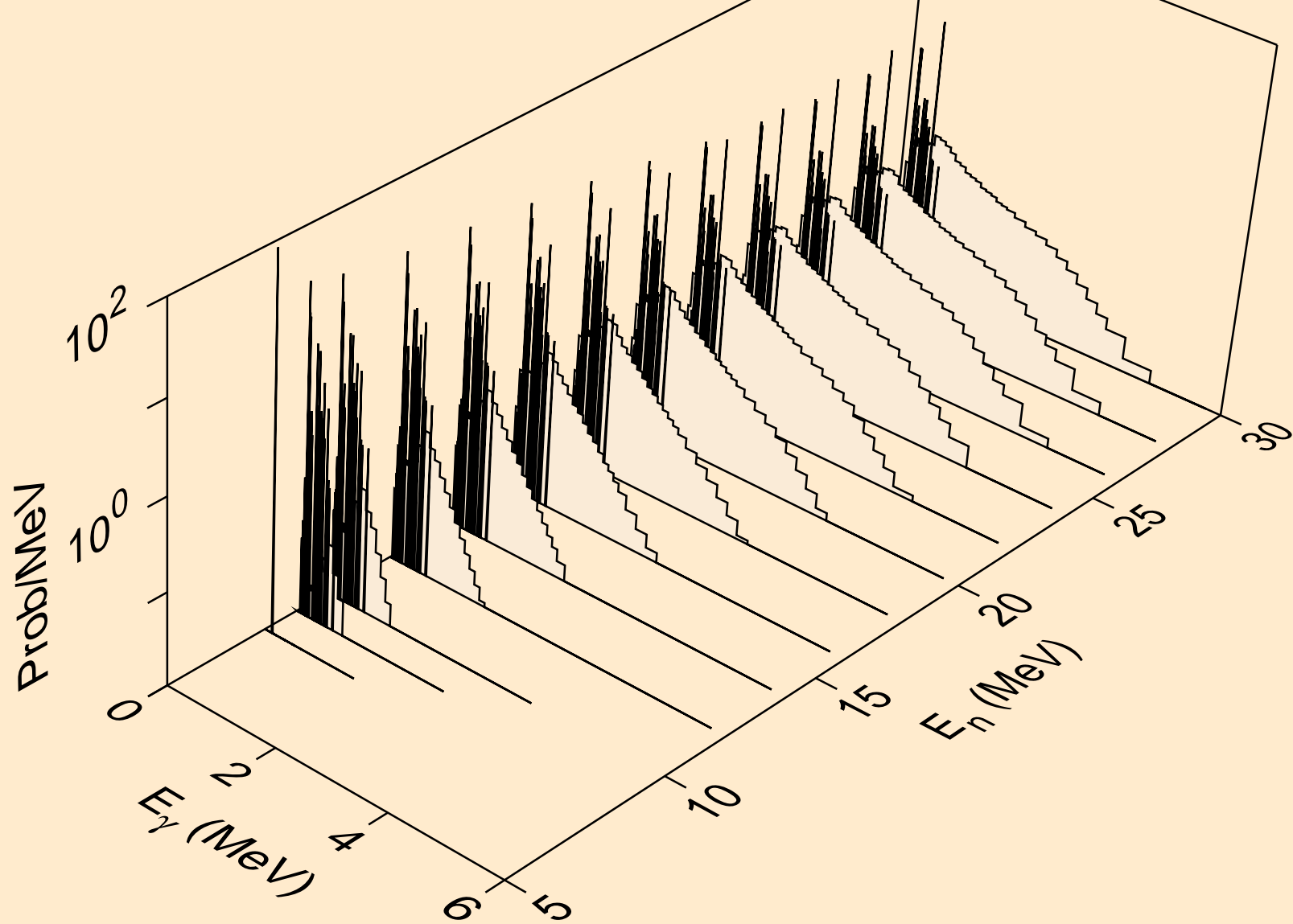
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Photon emission for (n,2p)



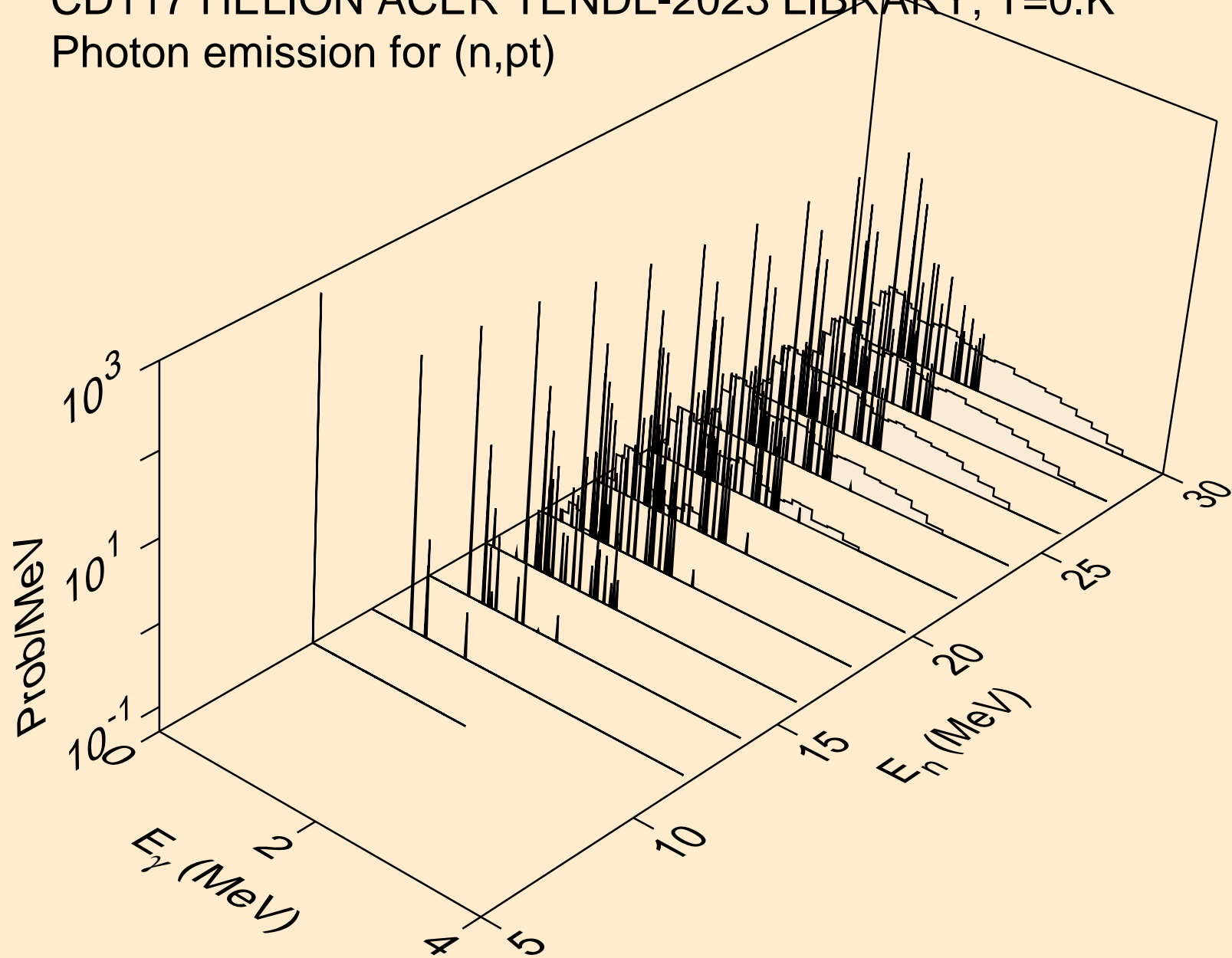
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Photon emission for (n,p)



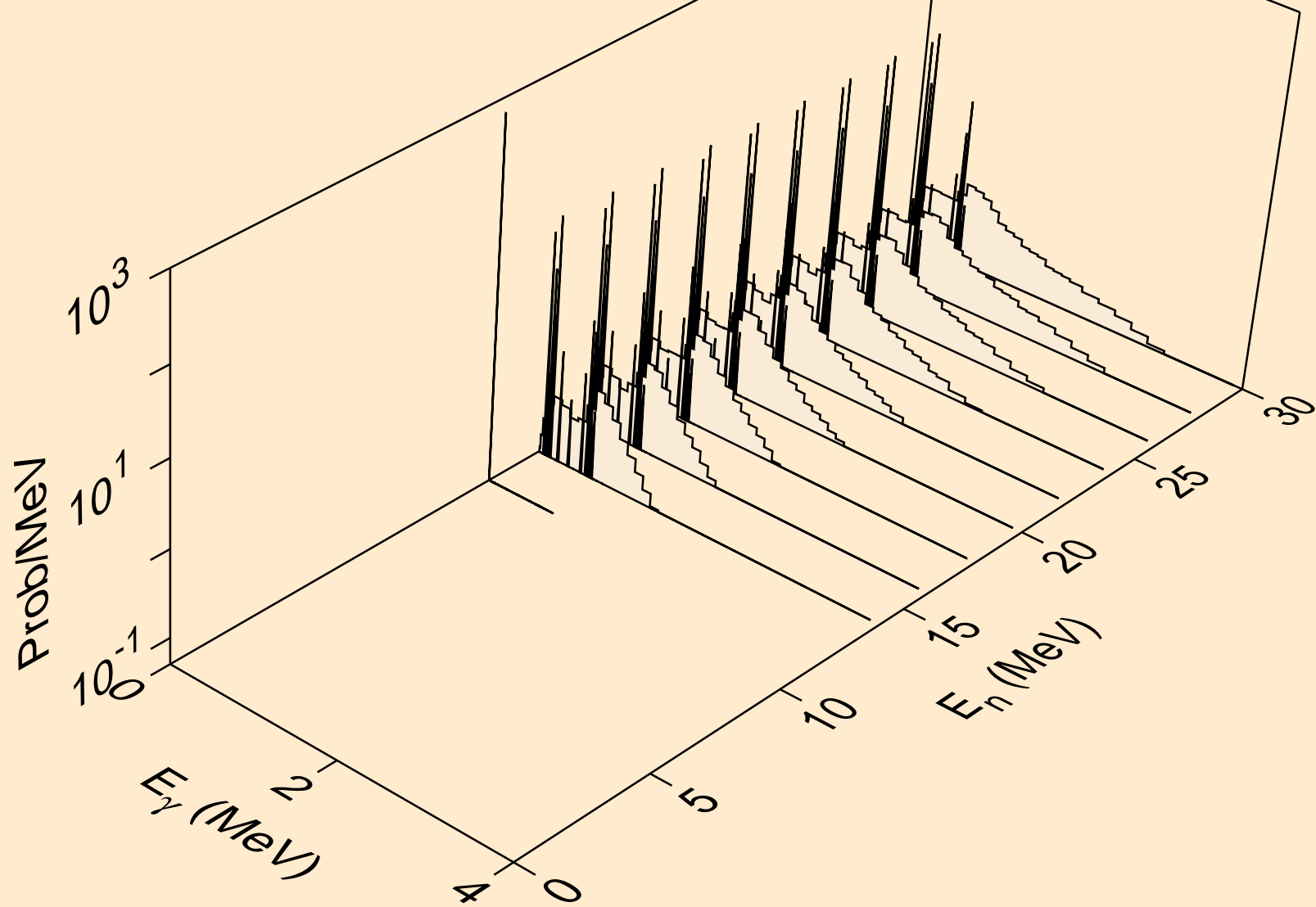
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Photon emission for (n,pd)



CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

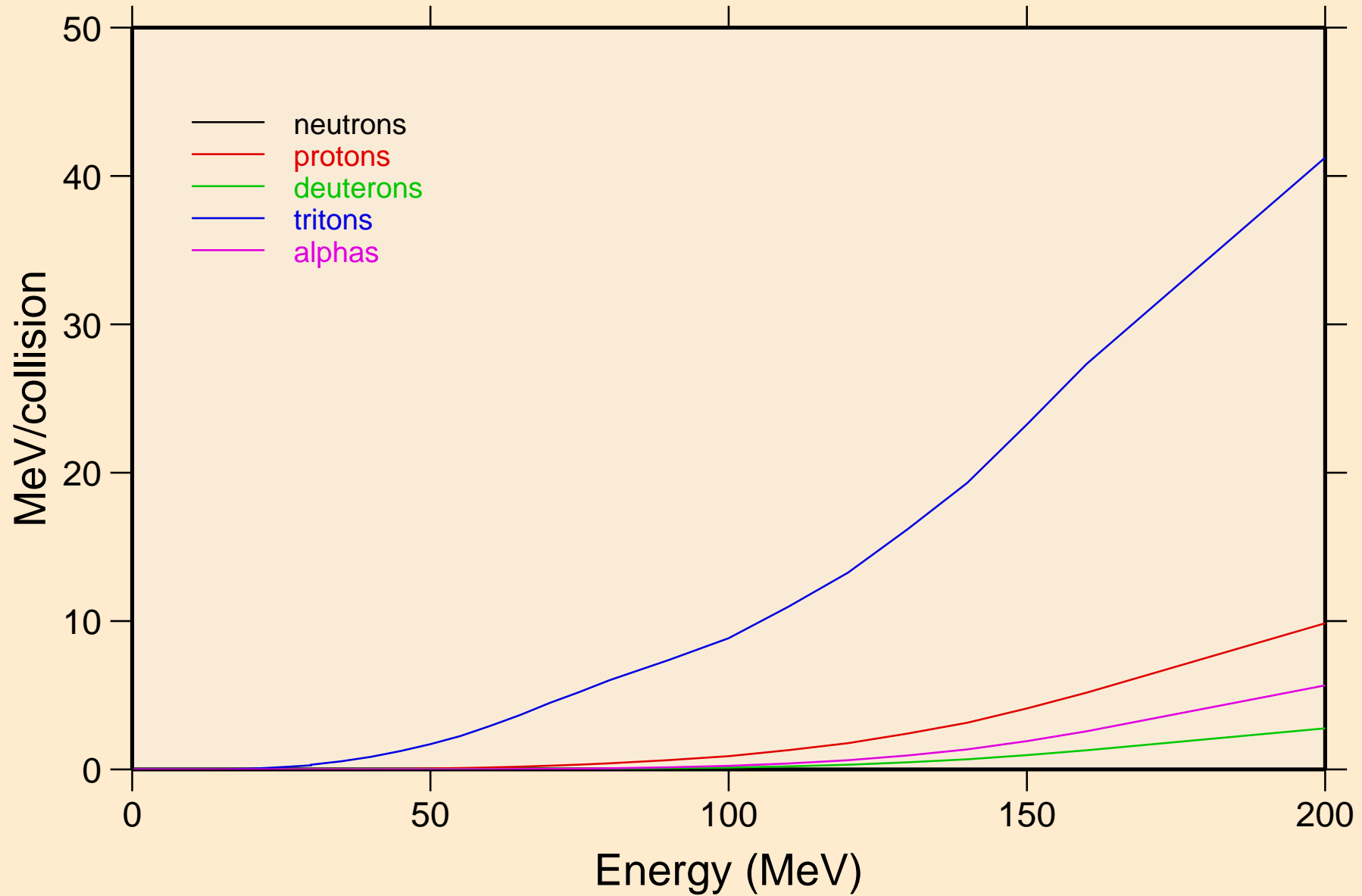


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Photon emission for (n,da)



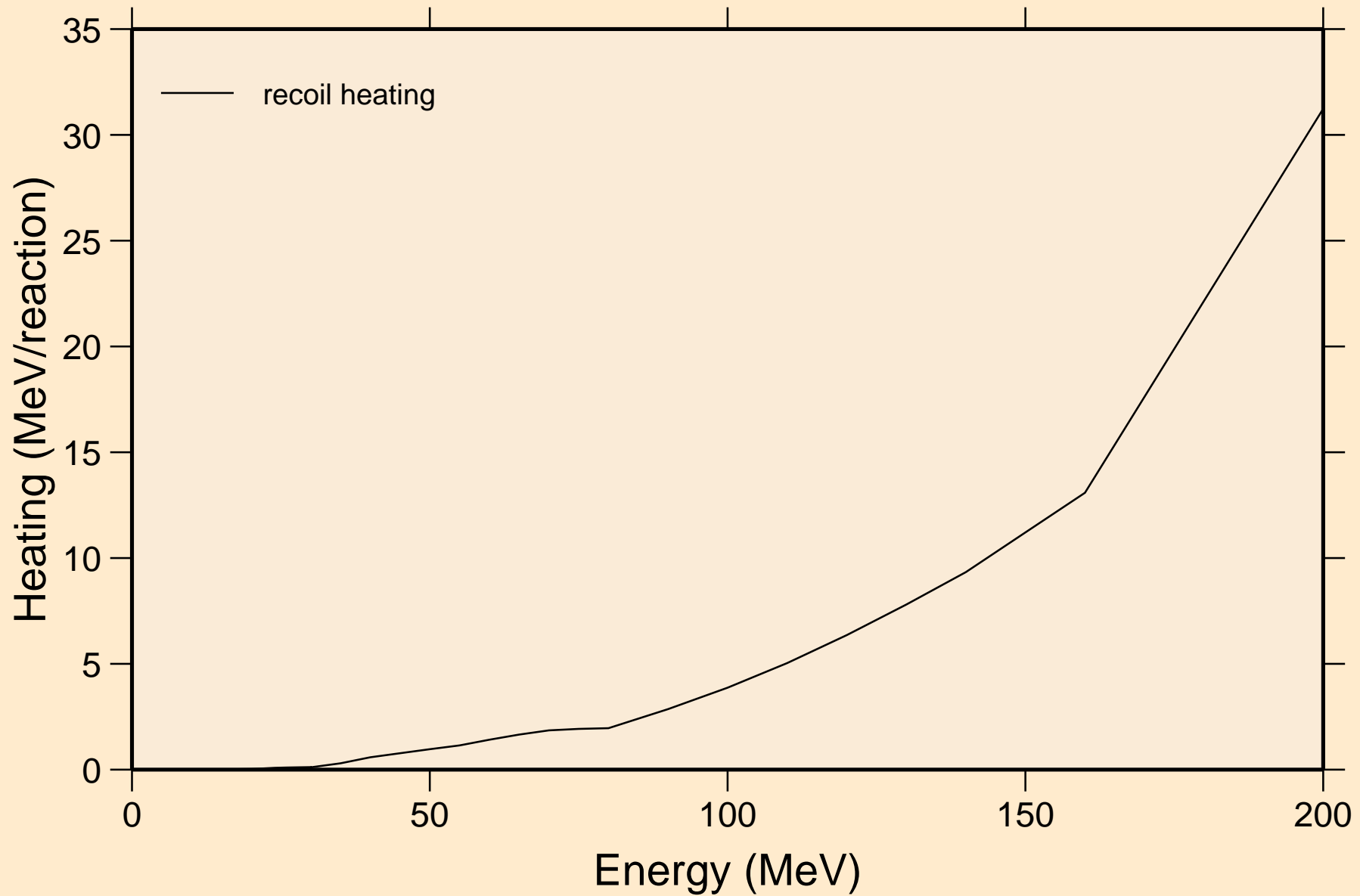
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## Particle heating contributions

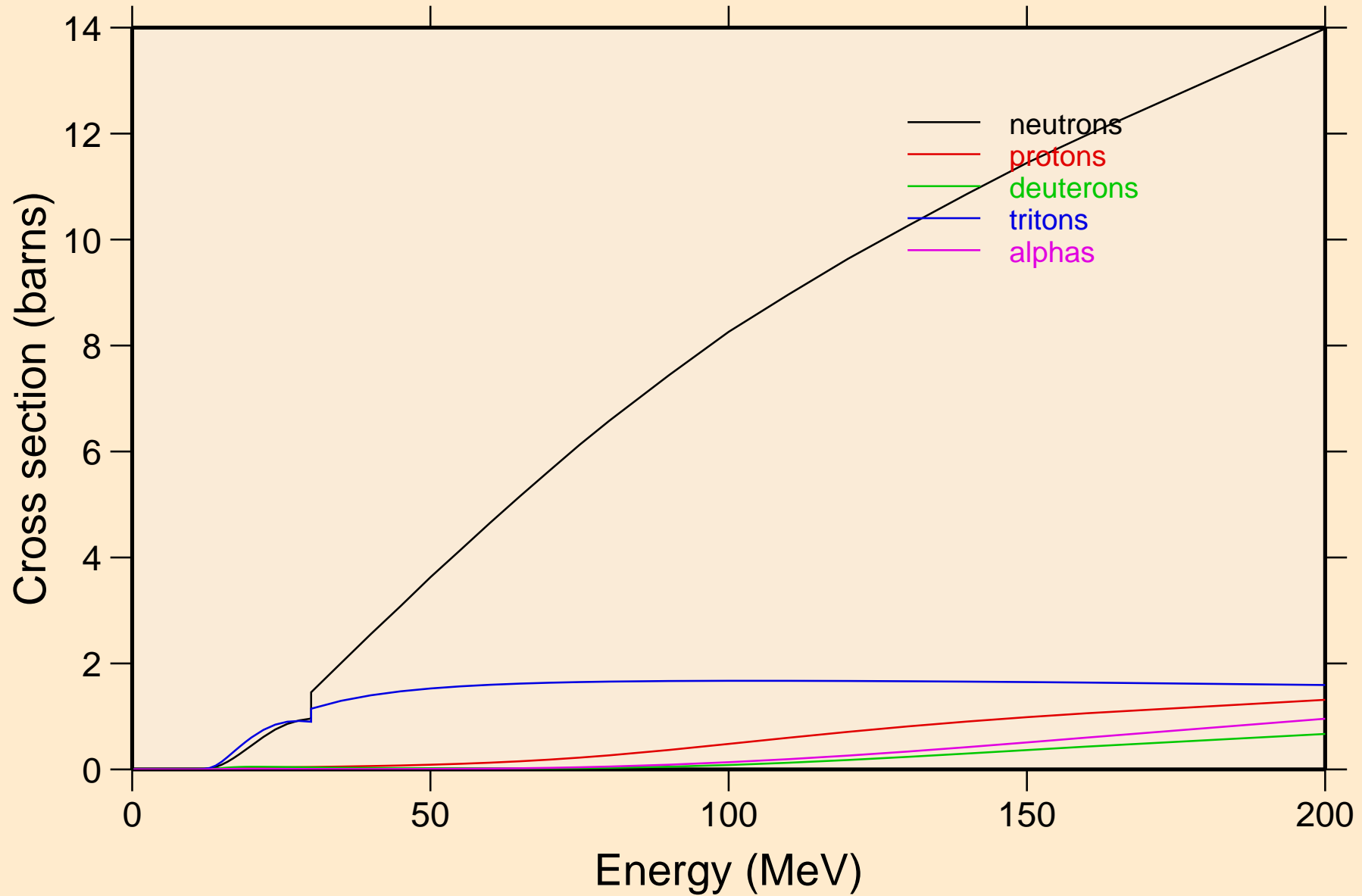




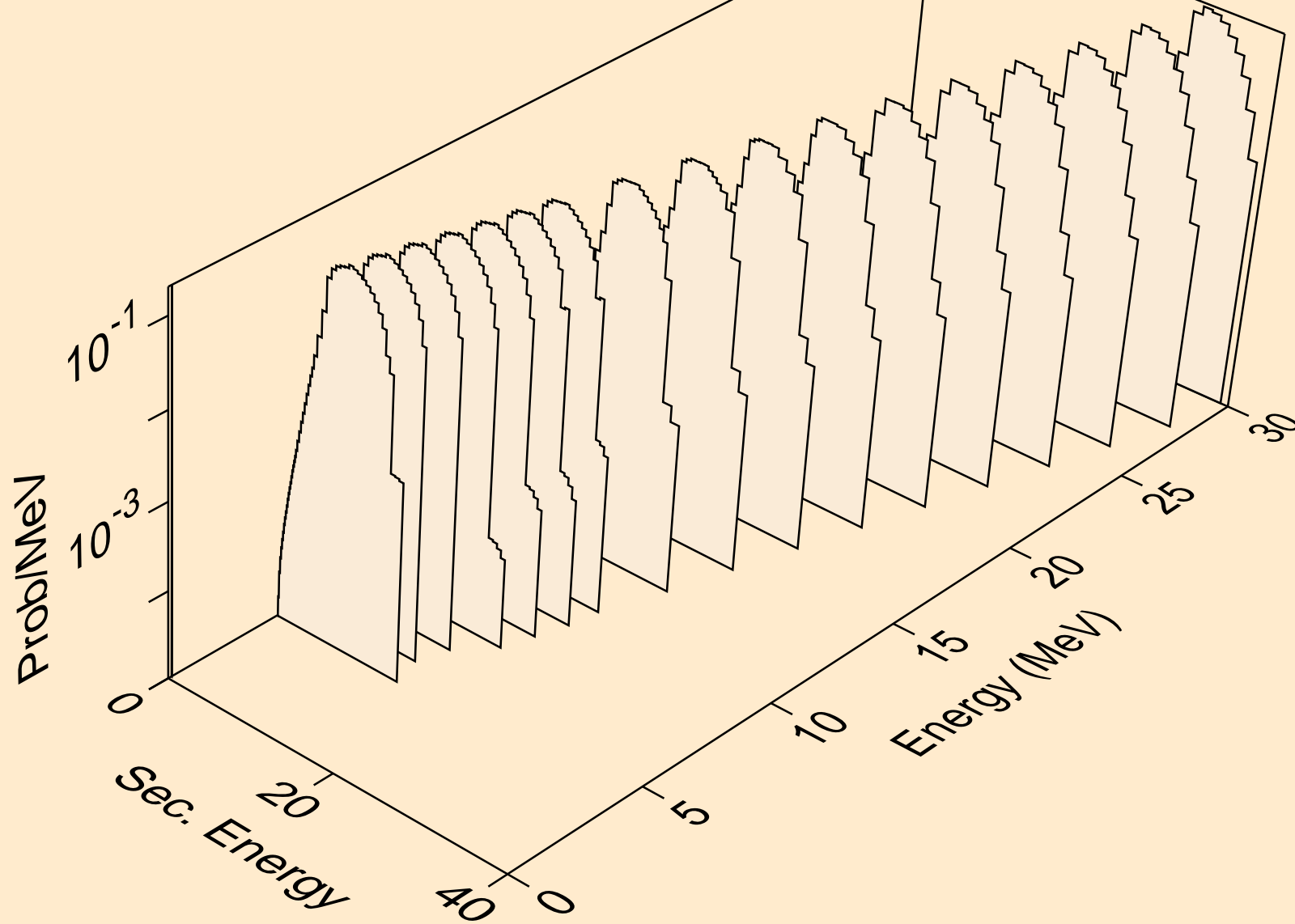
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Recoil Heating



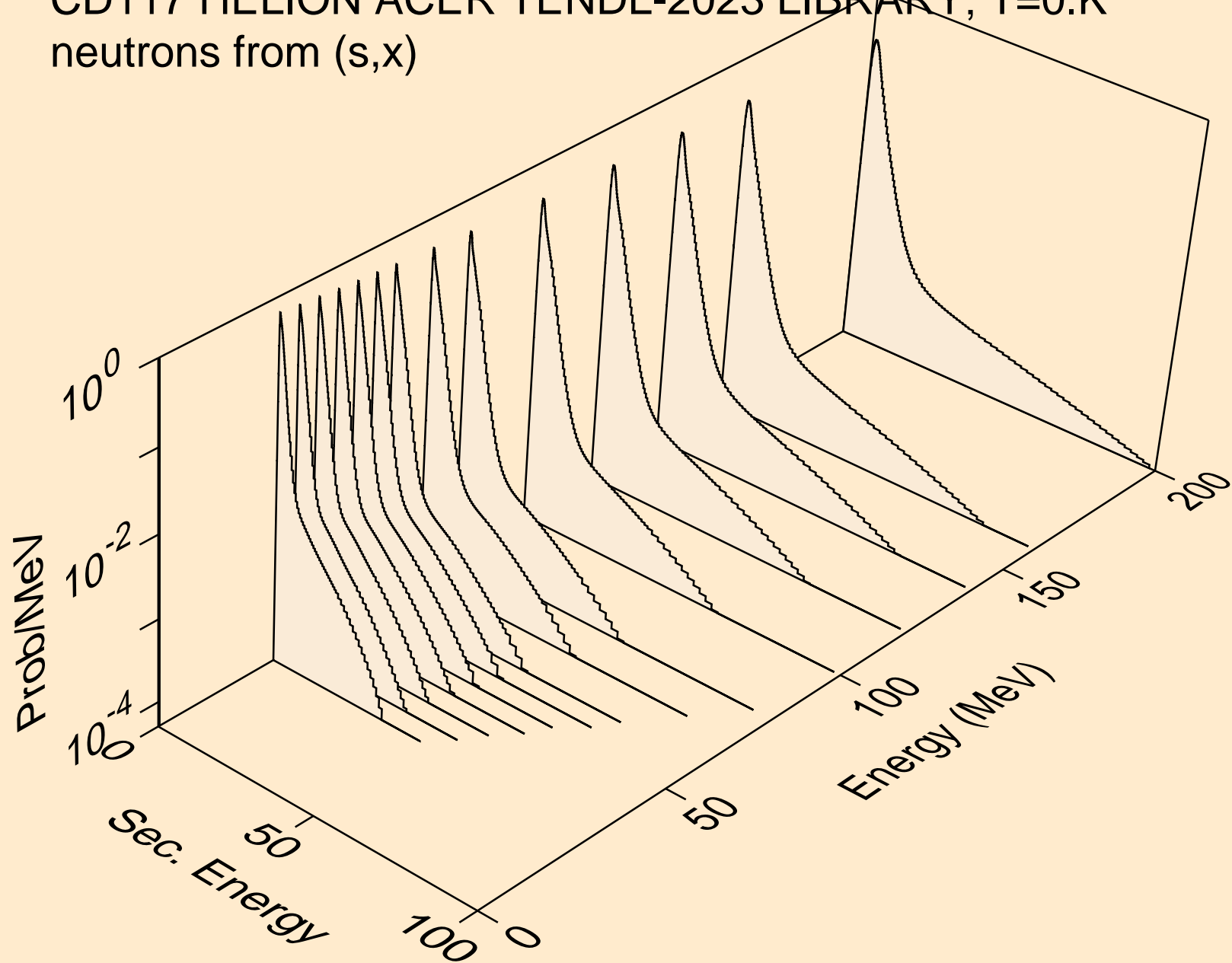
CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



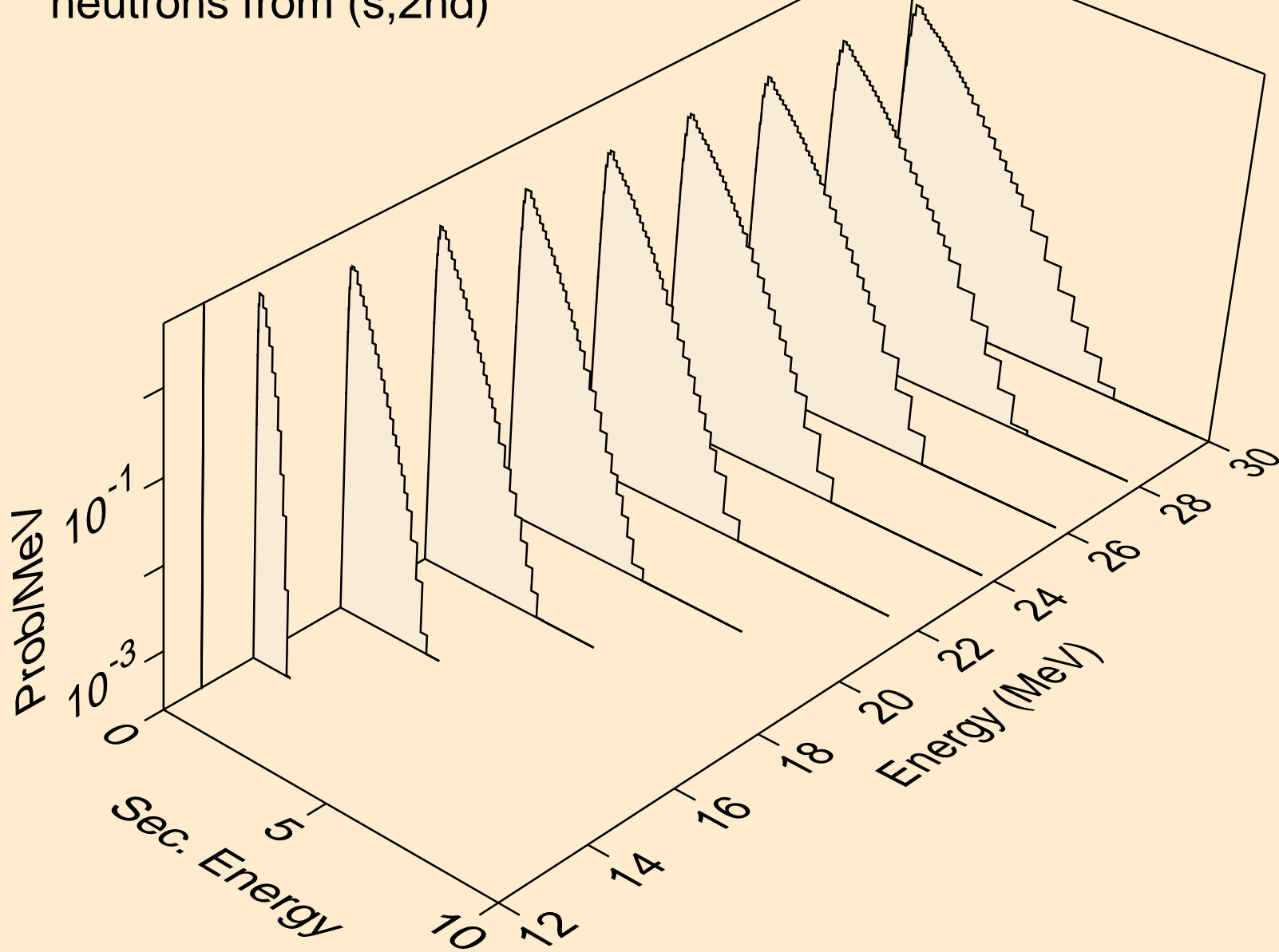
CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



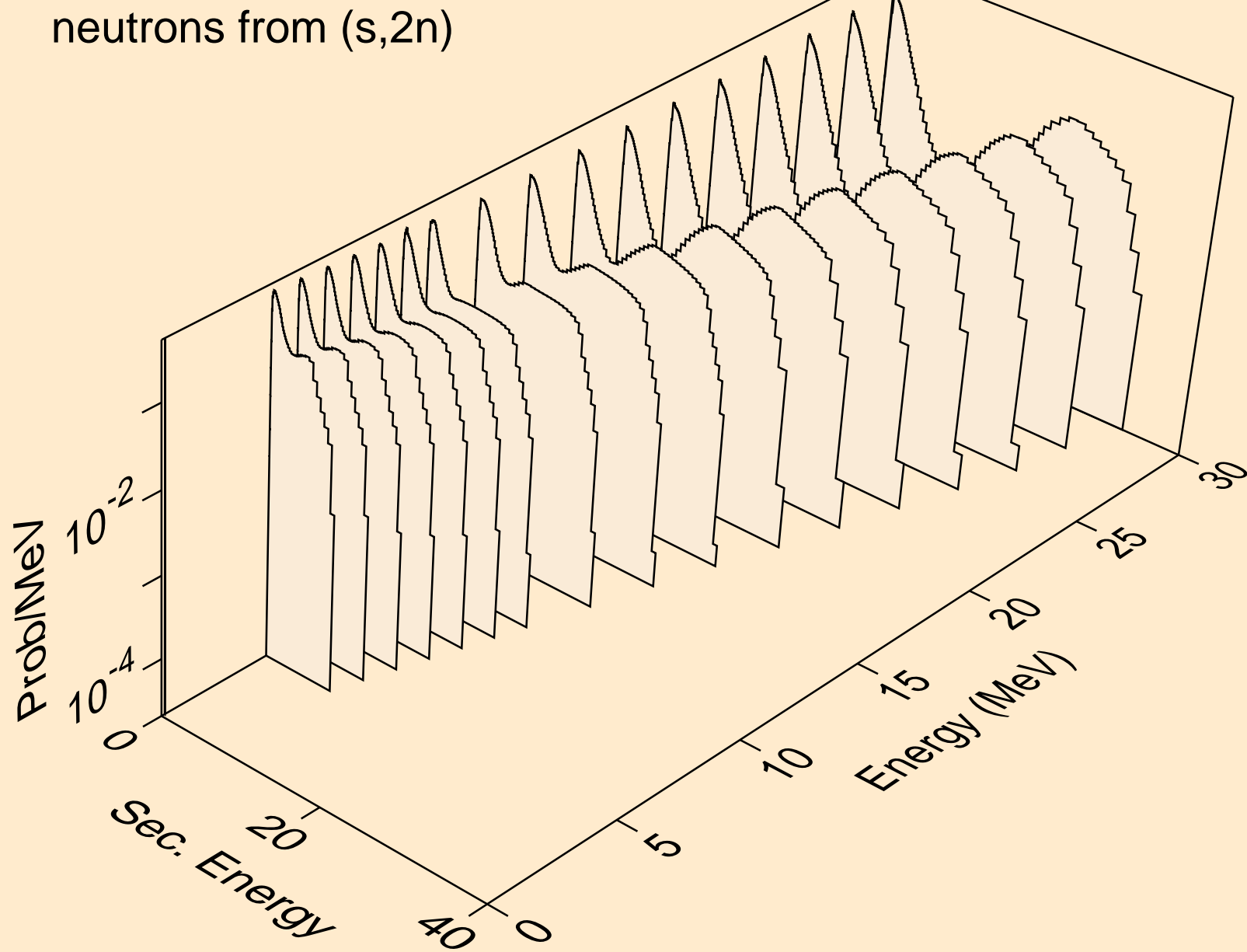
CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,x)



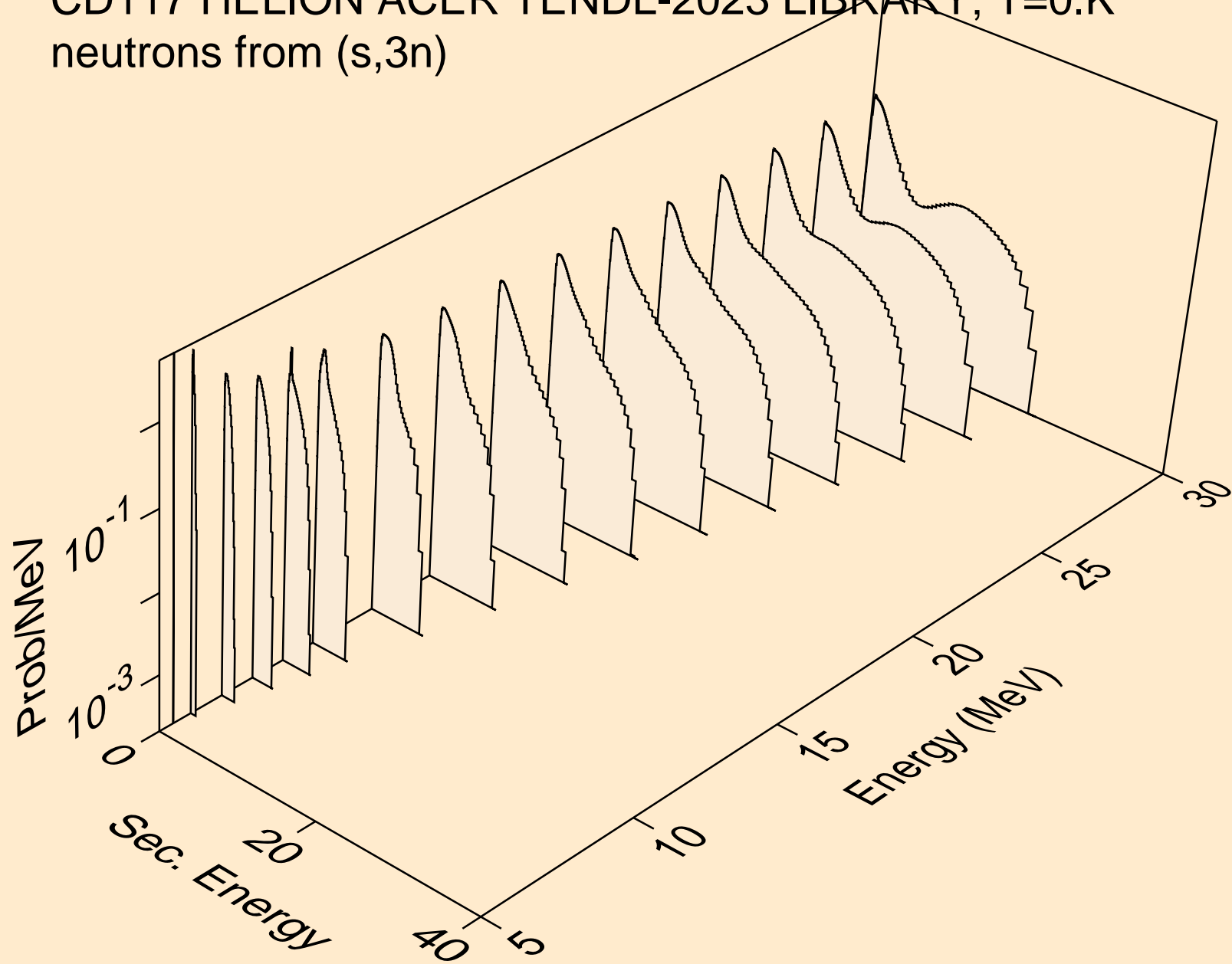
CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2nd)



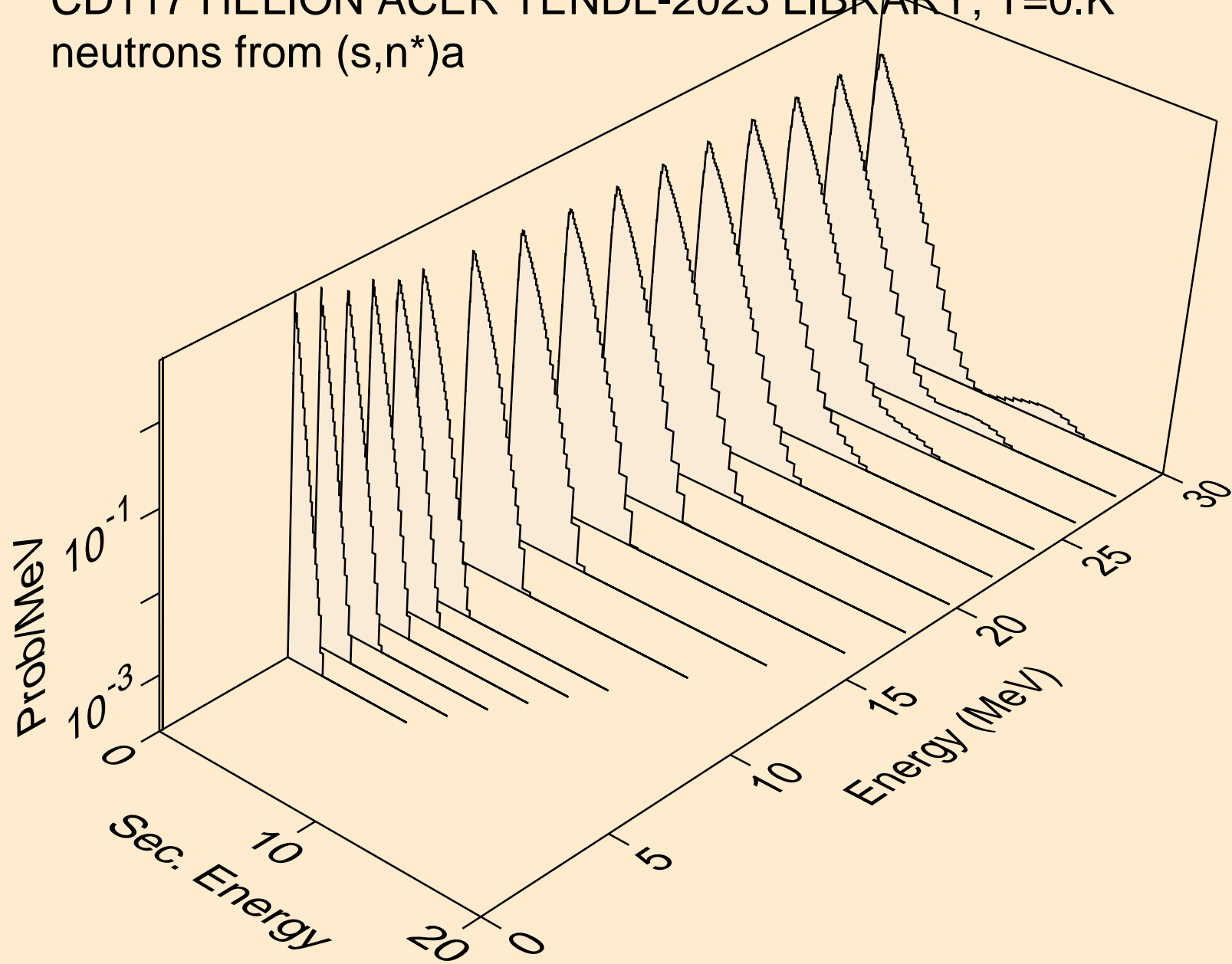
CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)



CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3n)

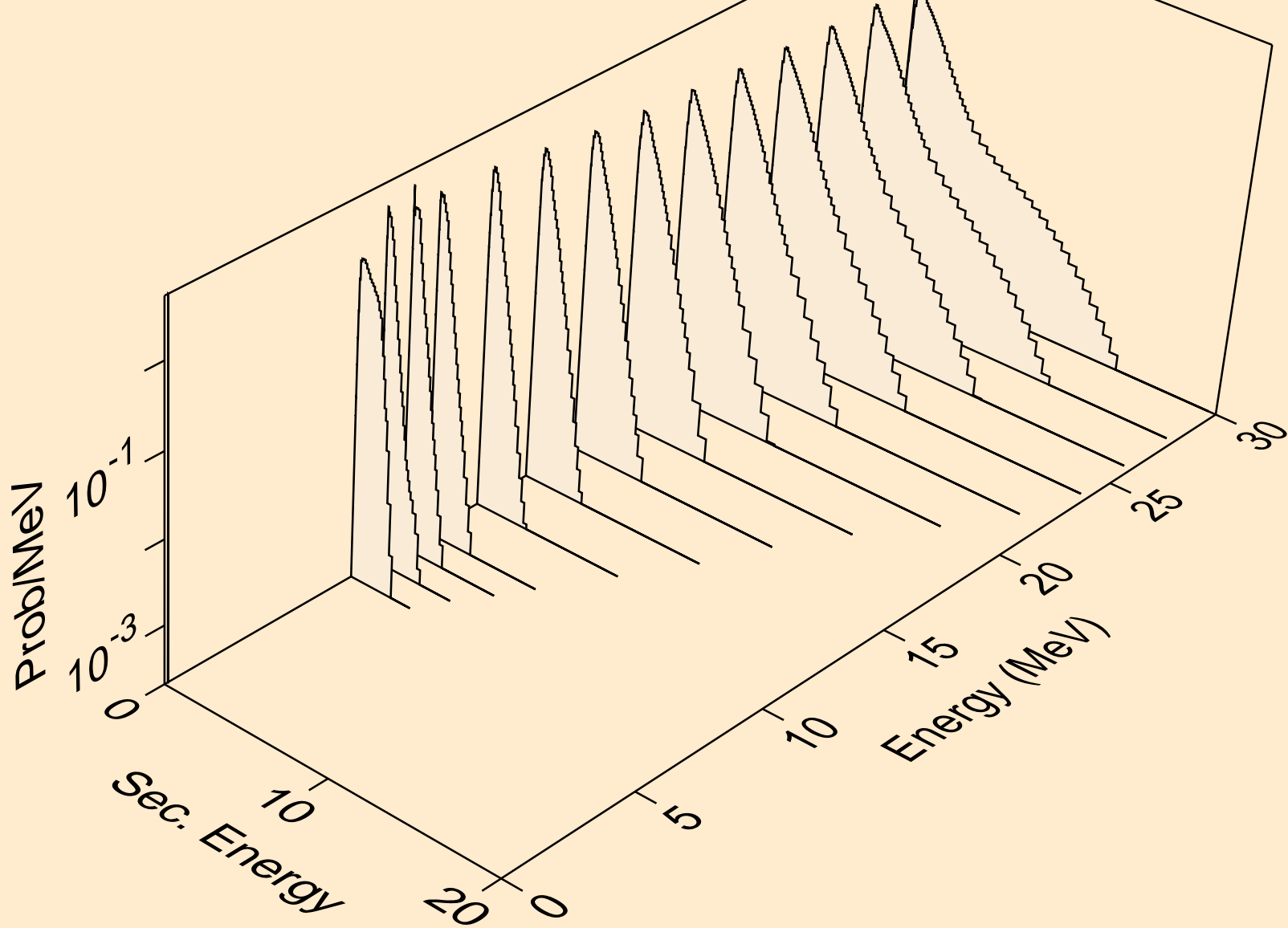


CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a

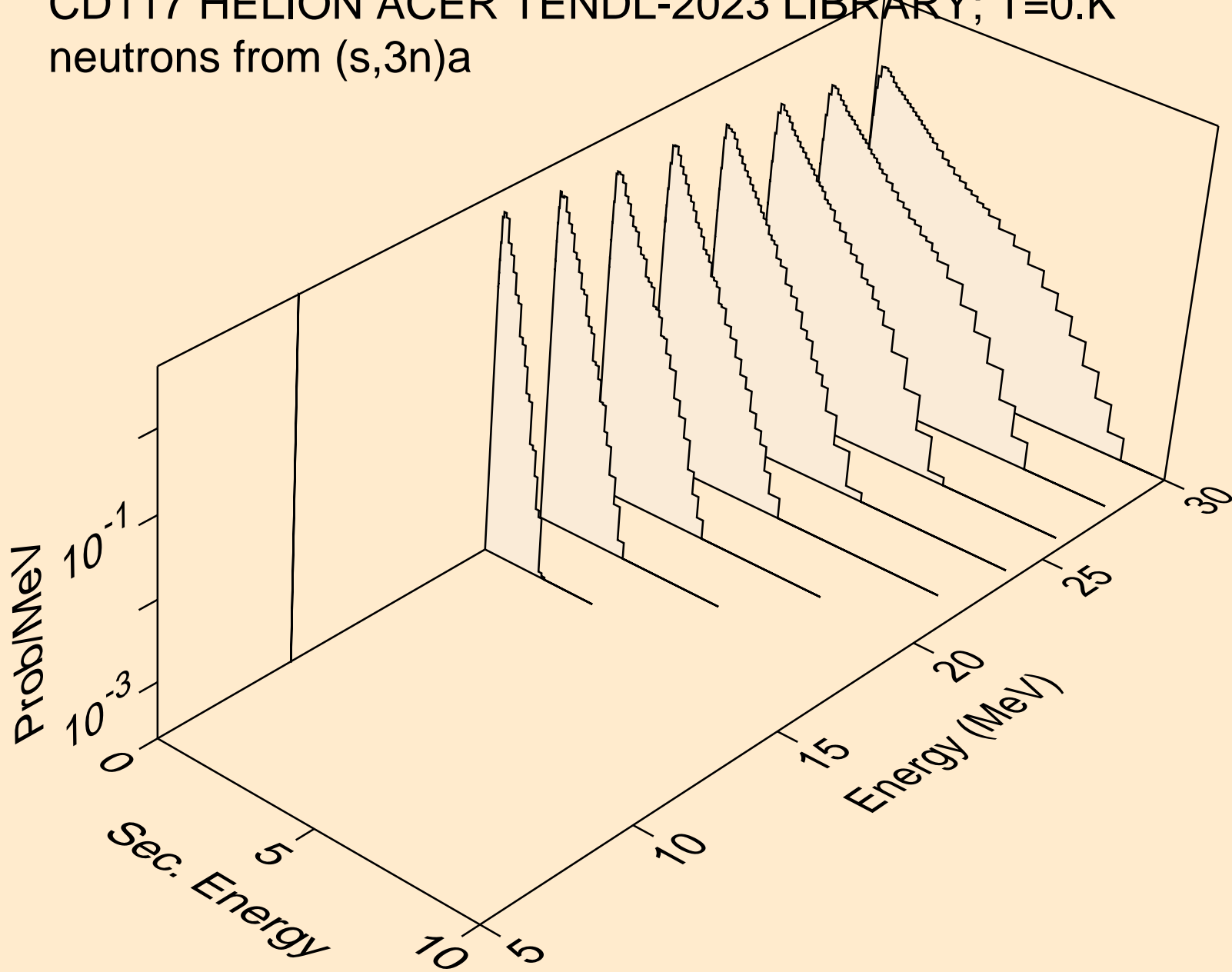




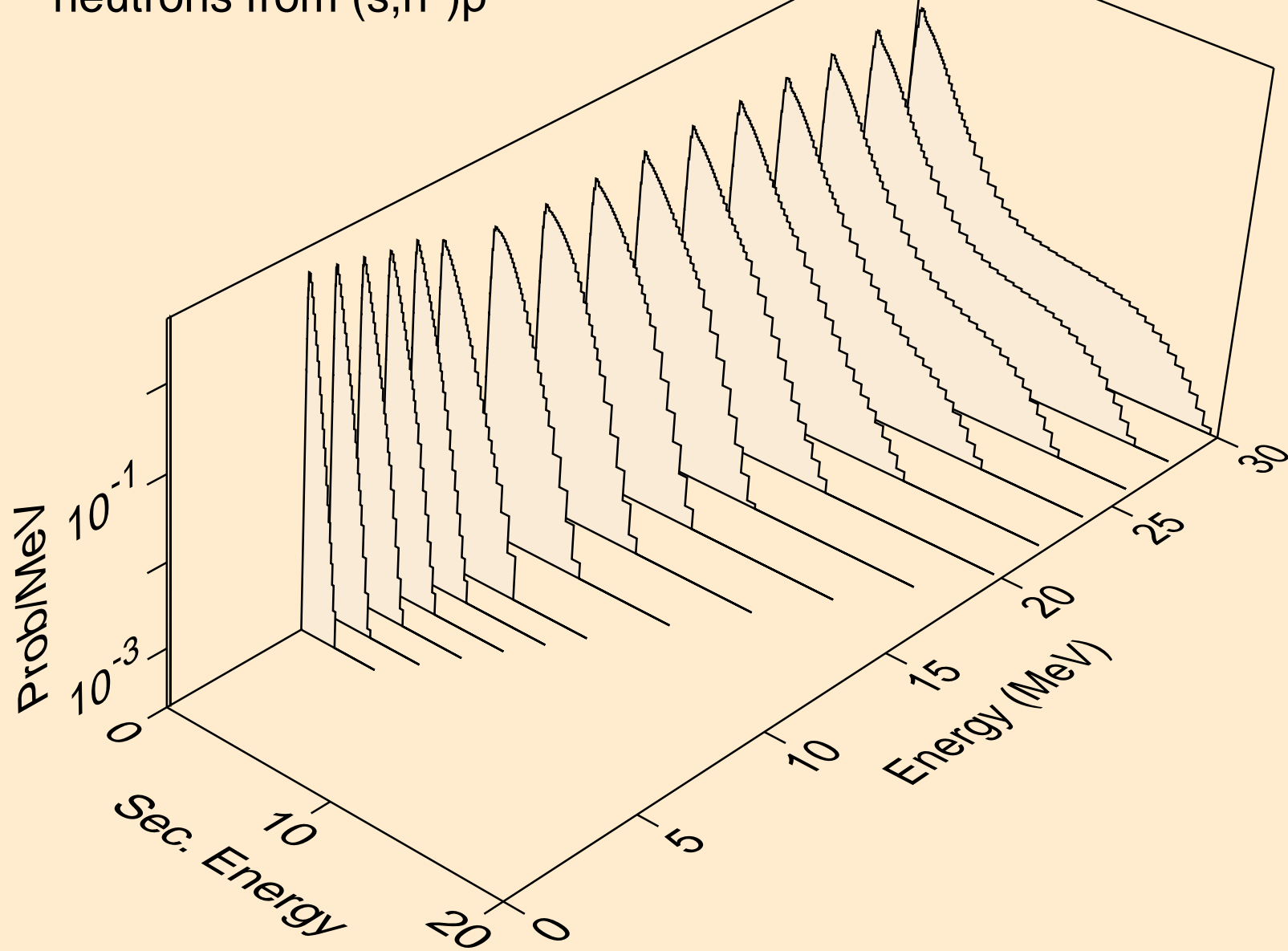
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neutrons from (s,2n)a



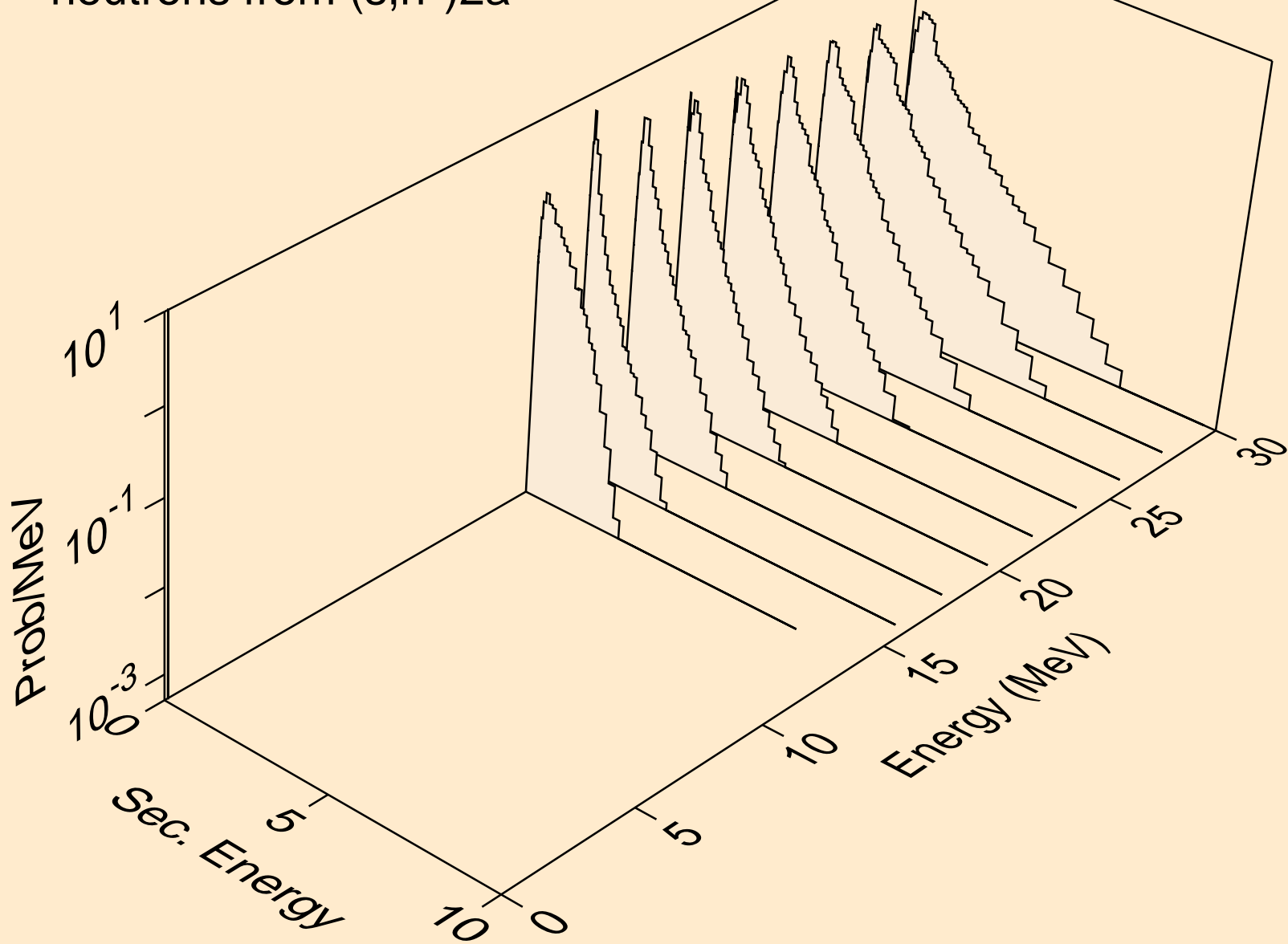
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neutrons from (s,3n)a



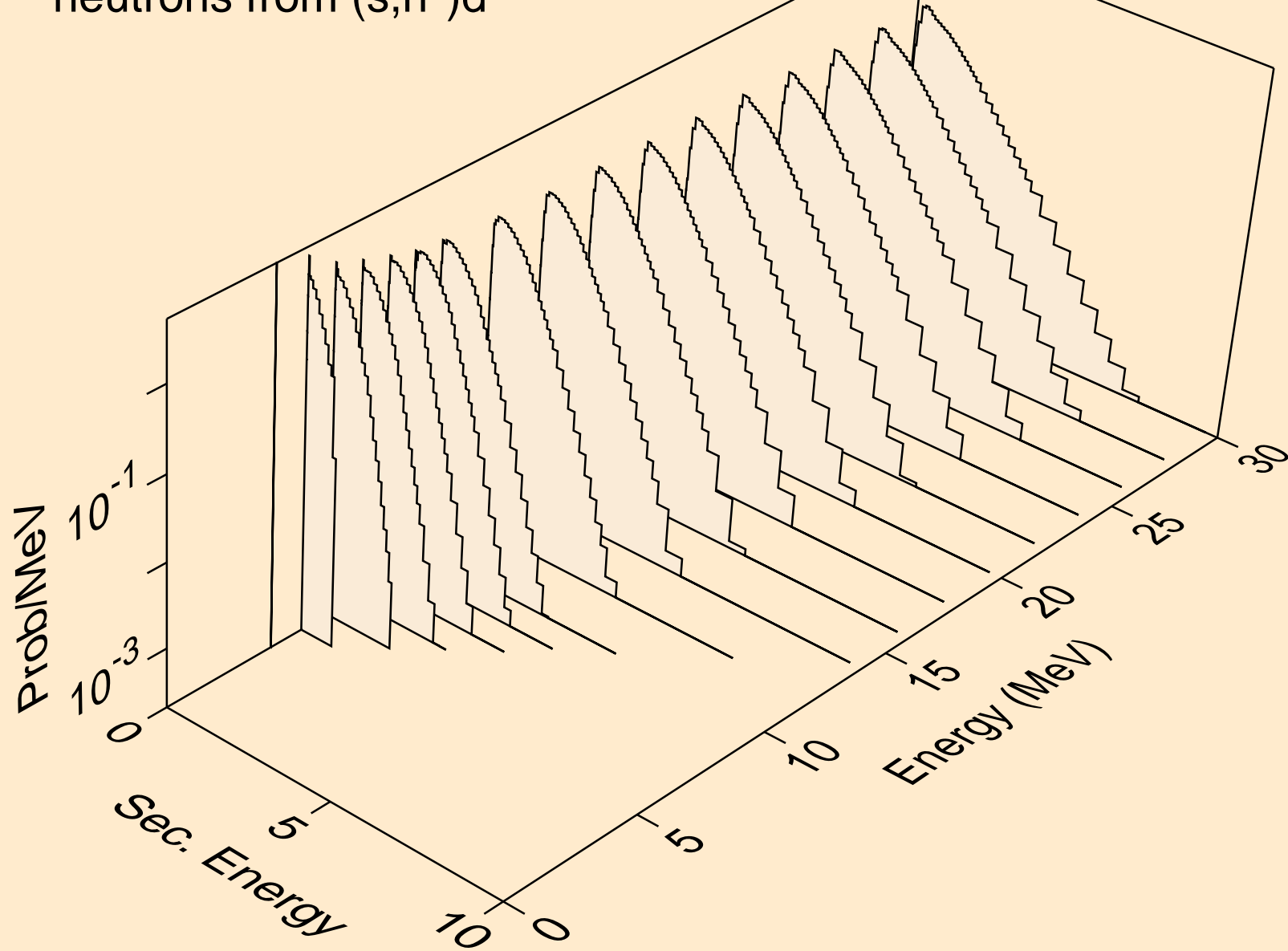
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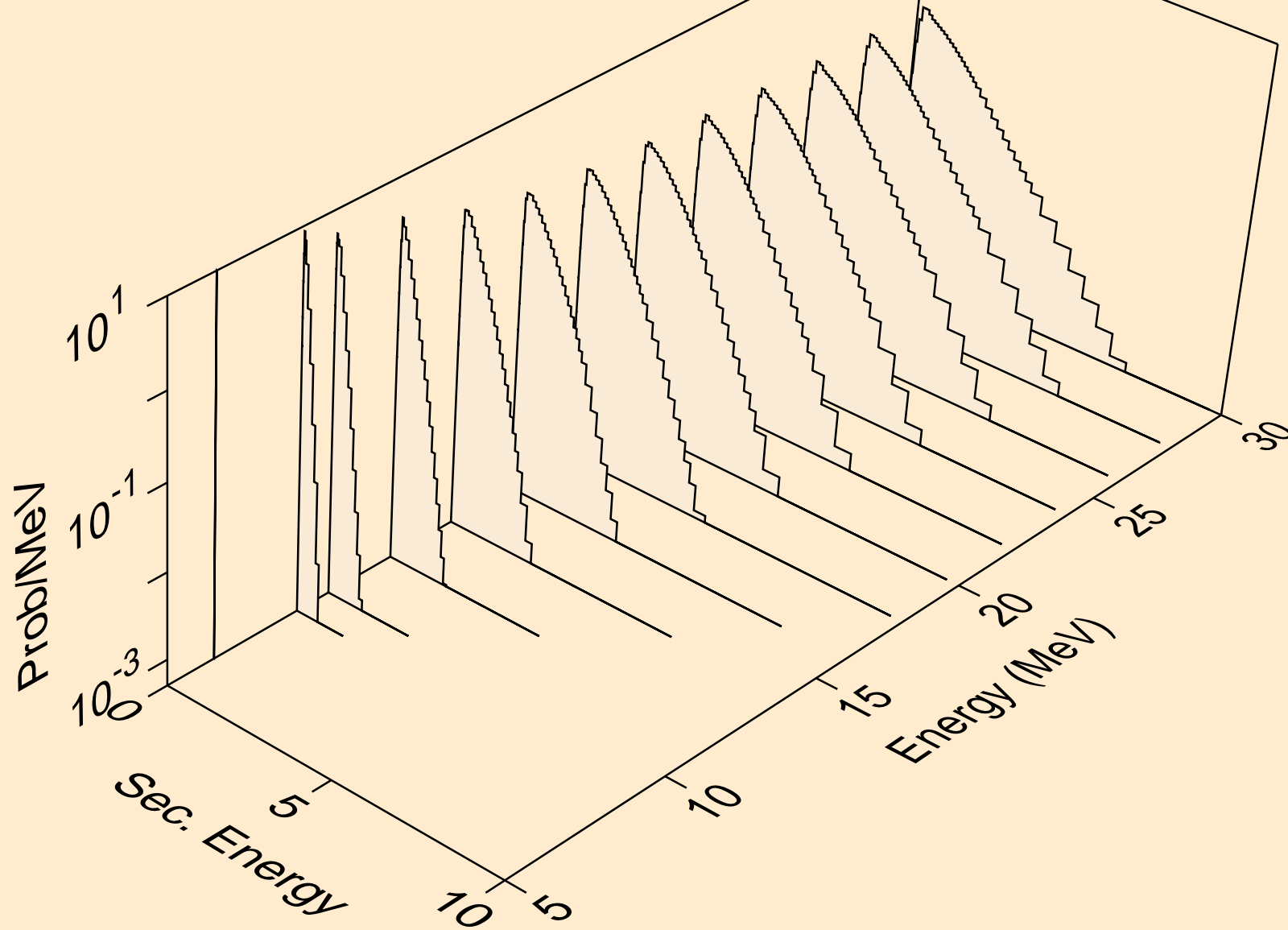
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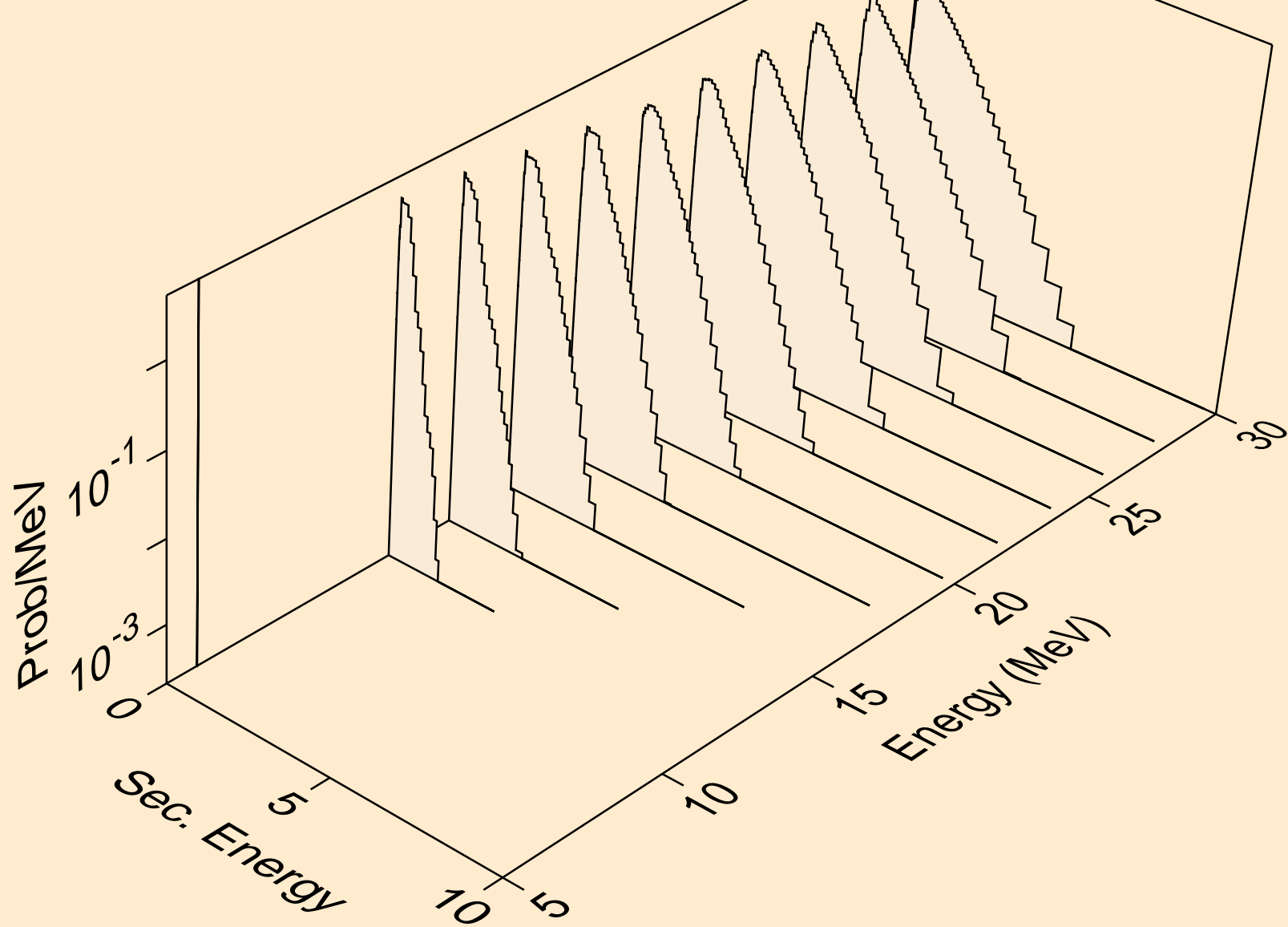
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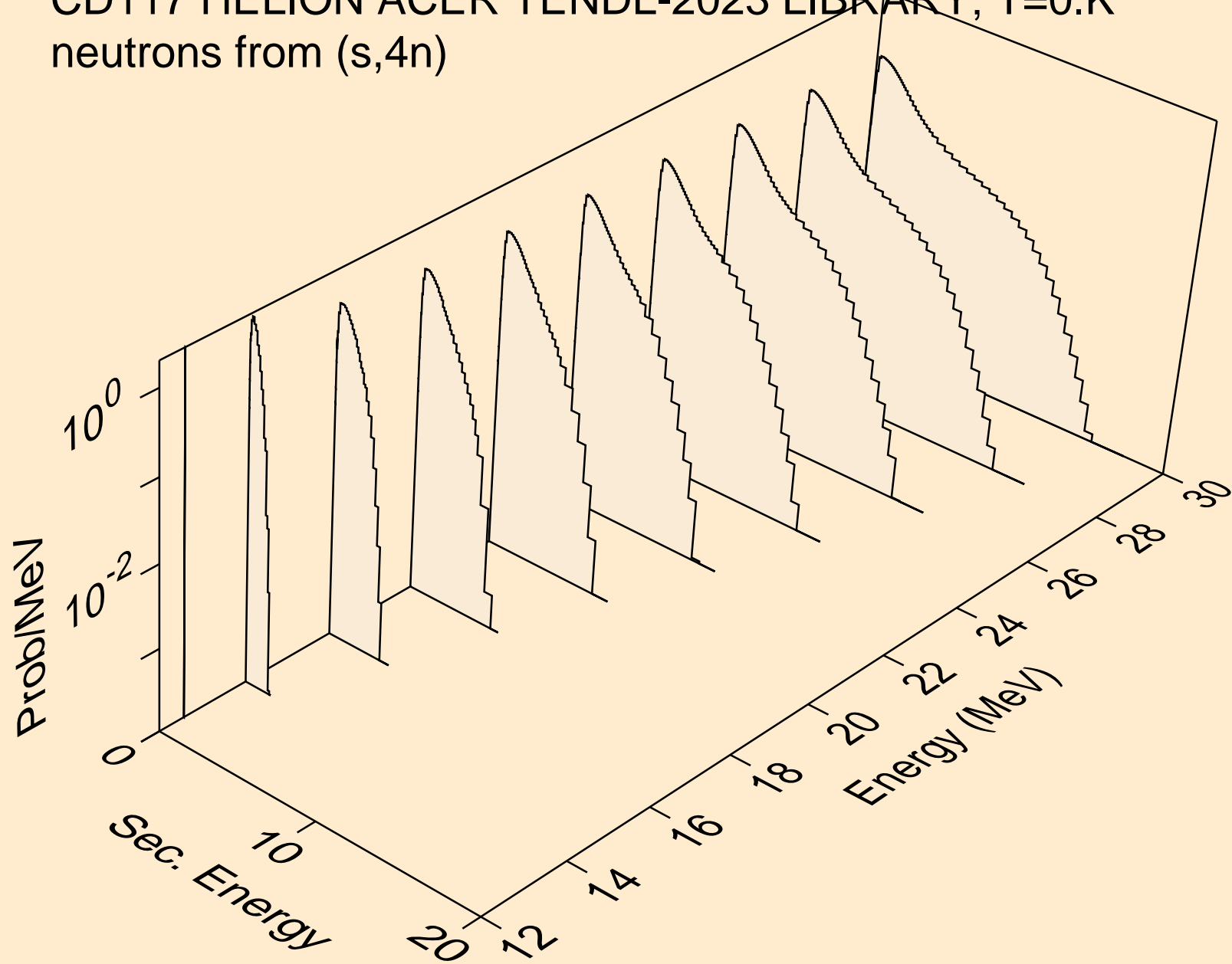
CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)t



CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

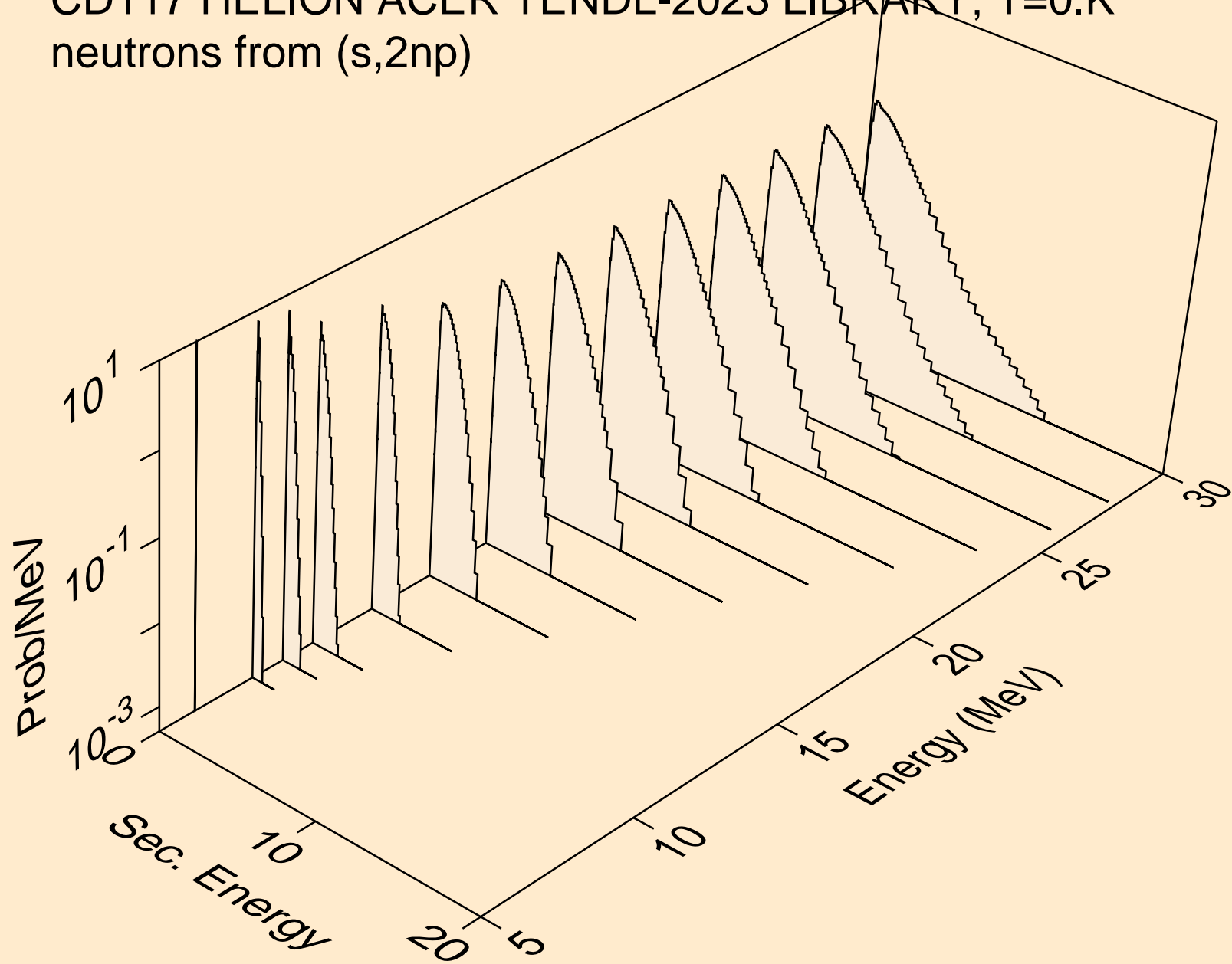


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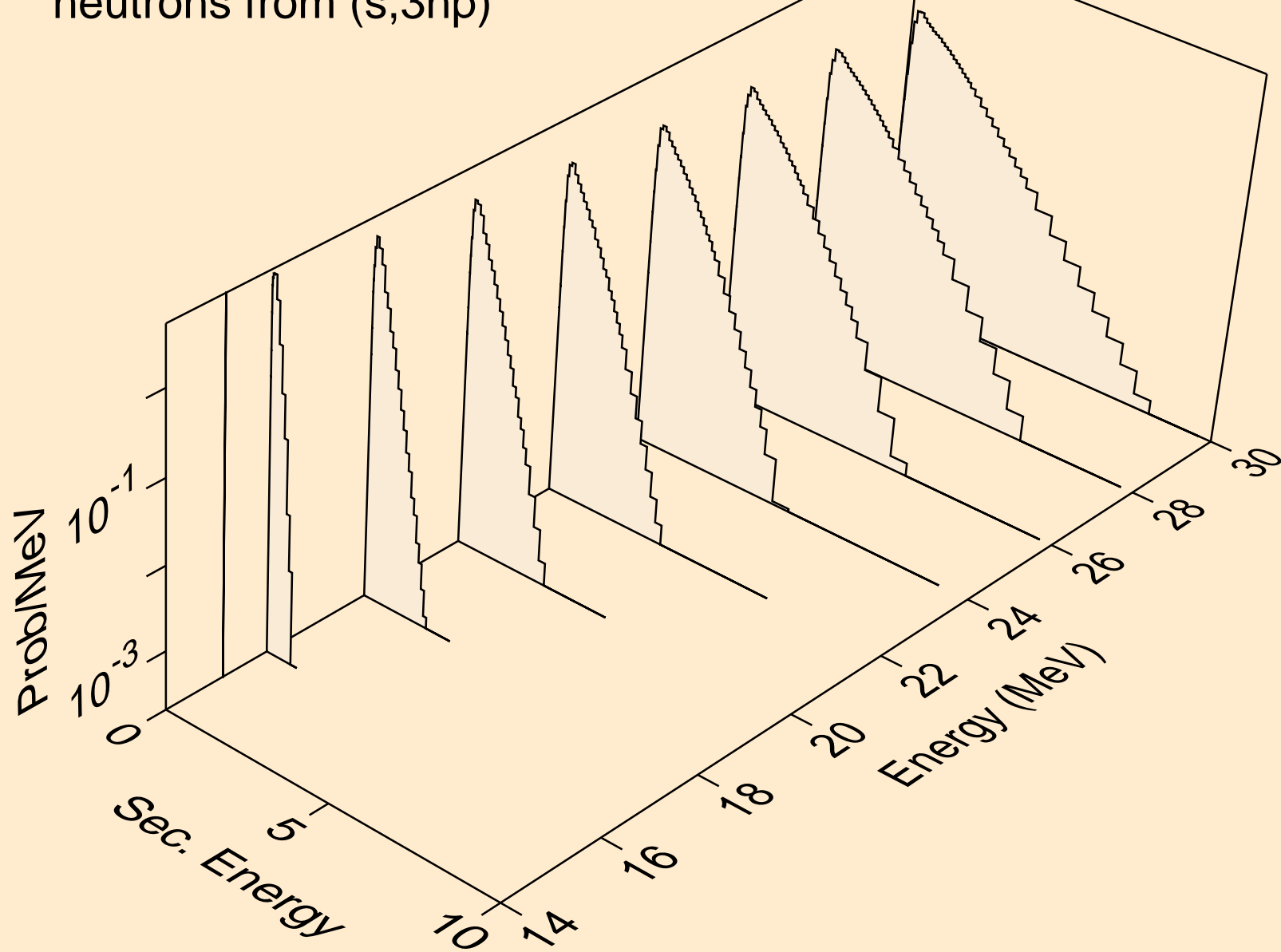




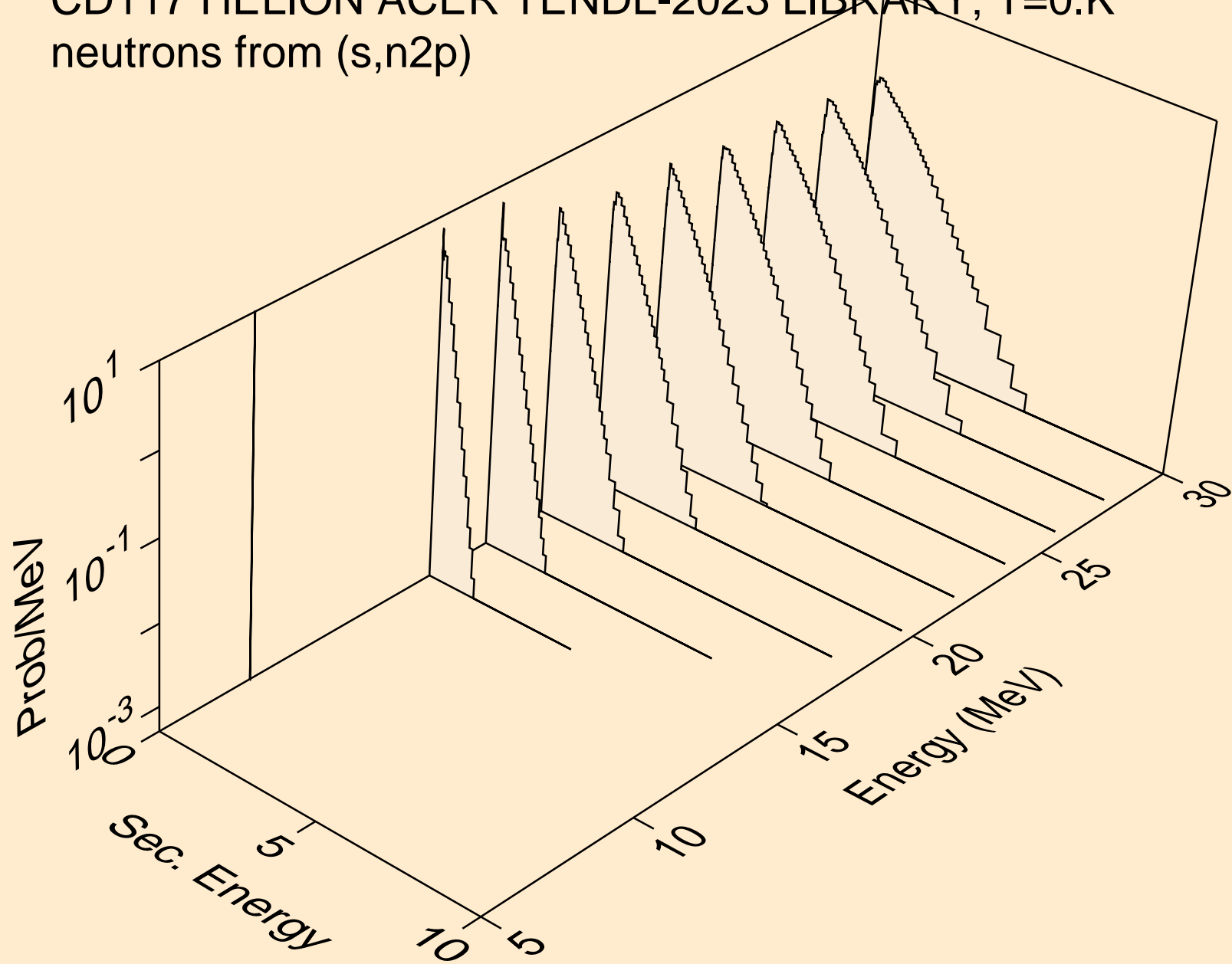
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neutrons from (s,2np)



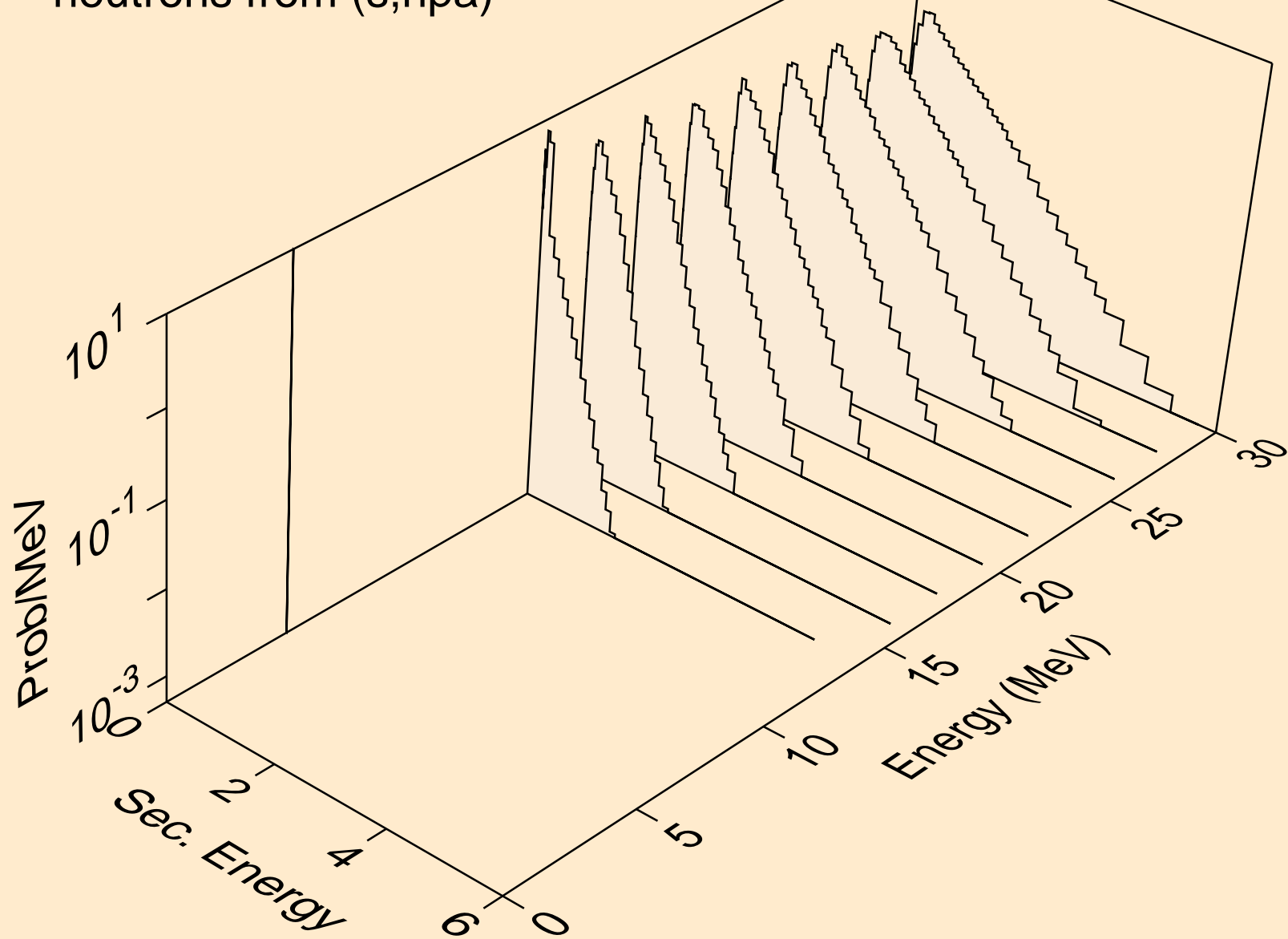
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neutrons from (s,3np)



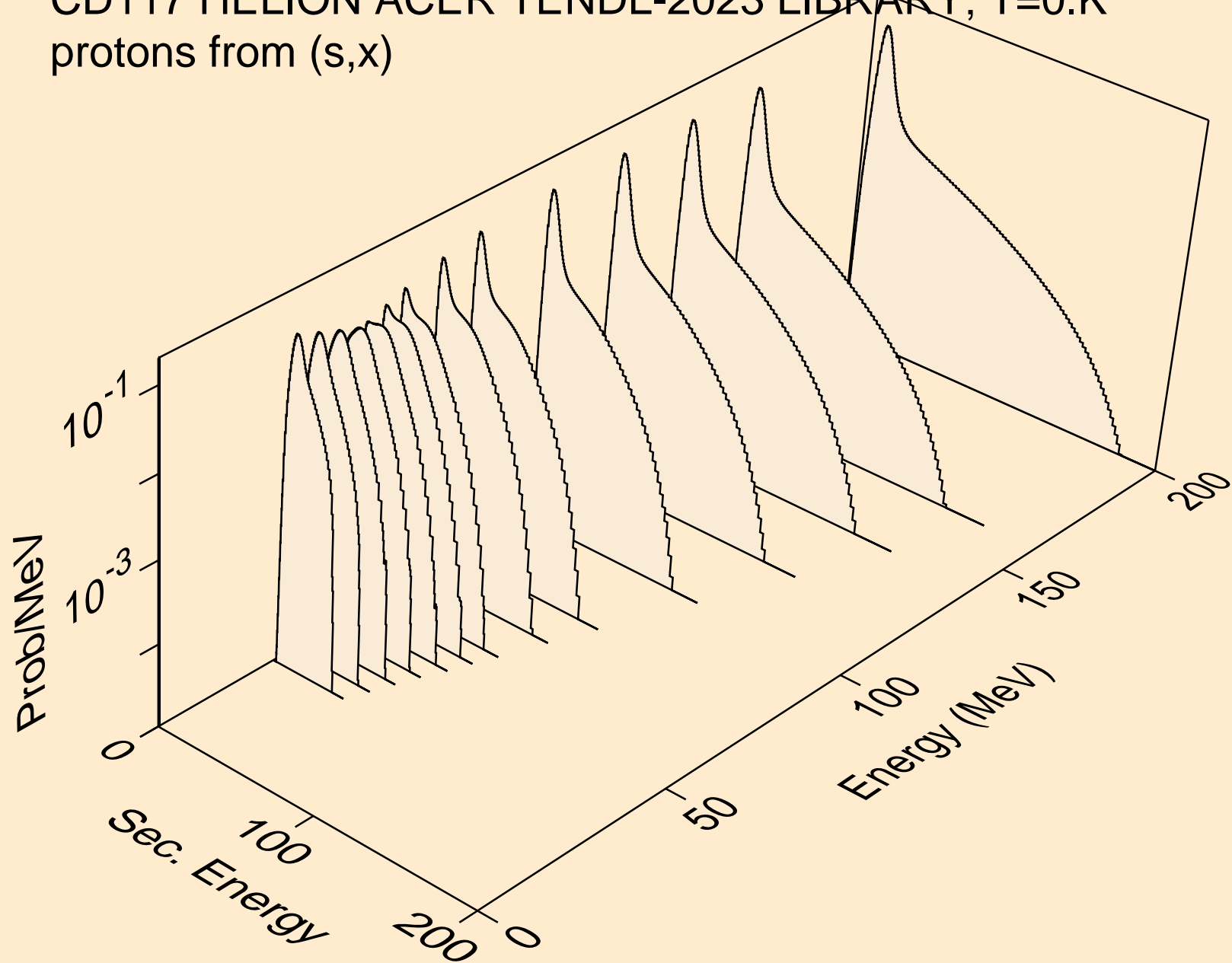
CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n2p)



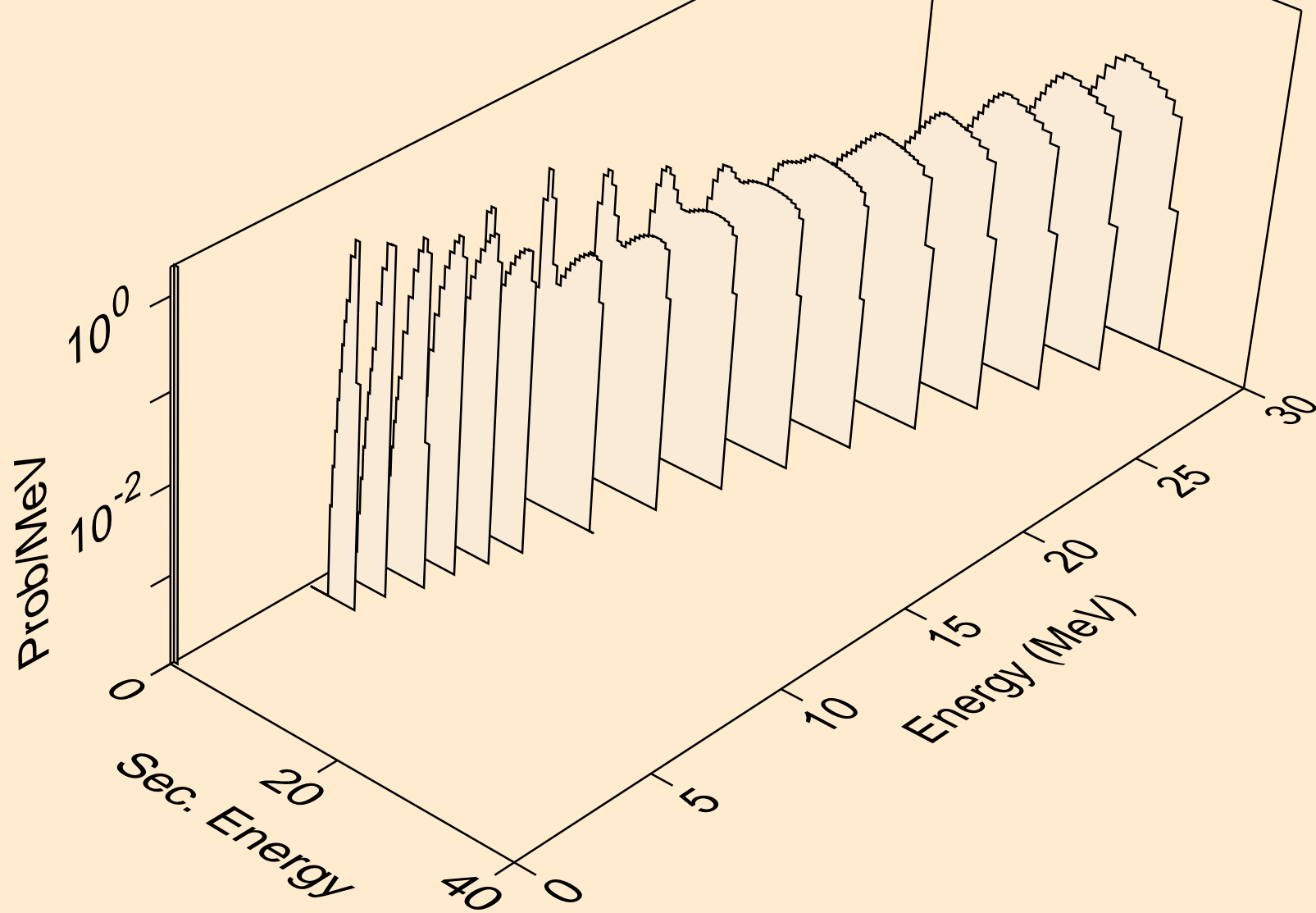
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neutrons from (s,npa)



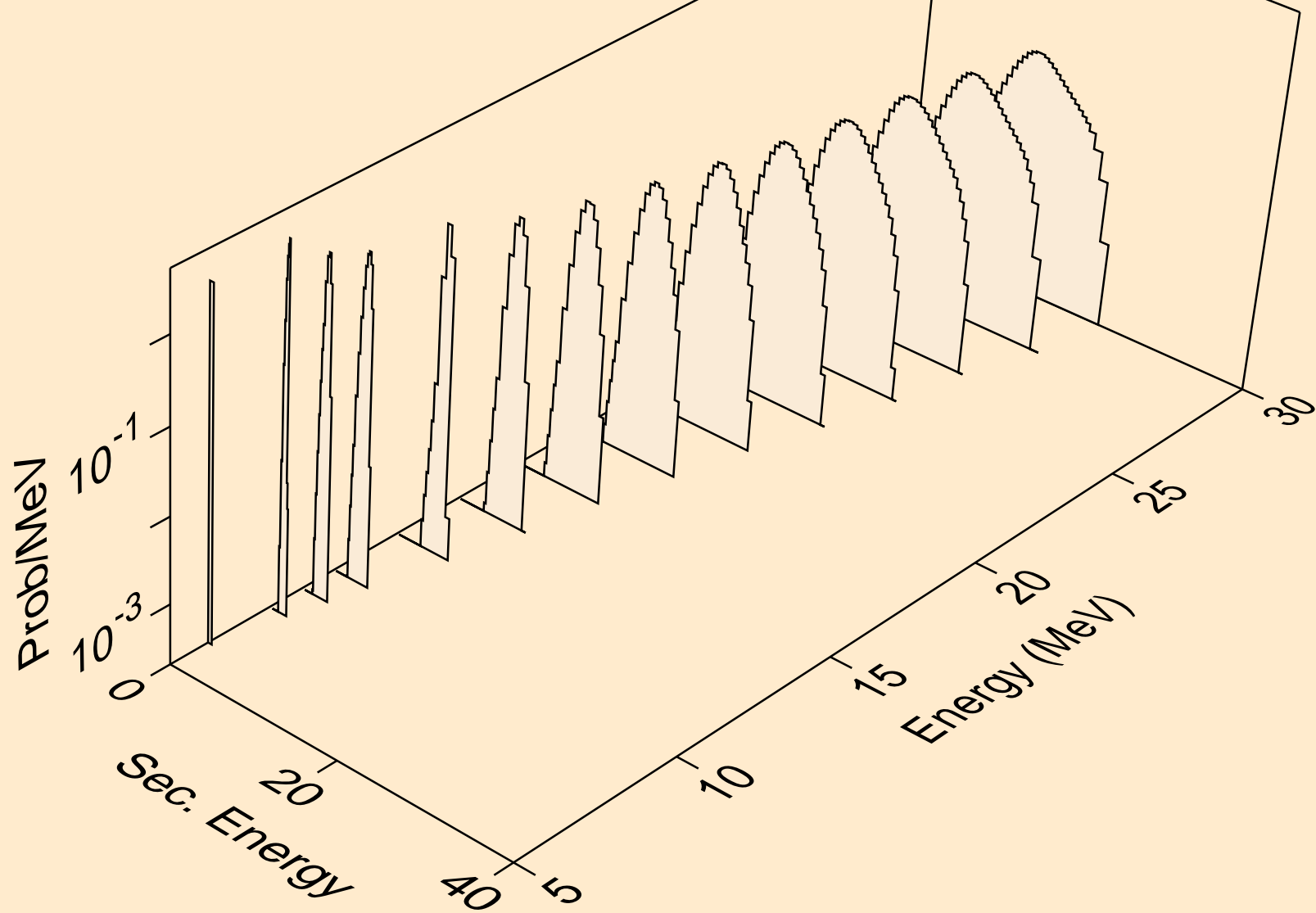
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protons from (s,x)



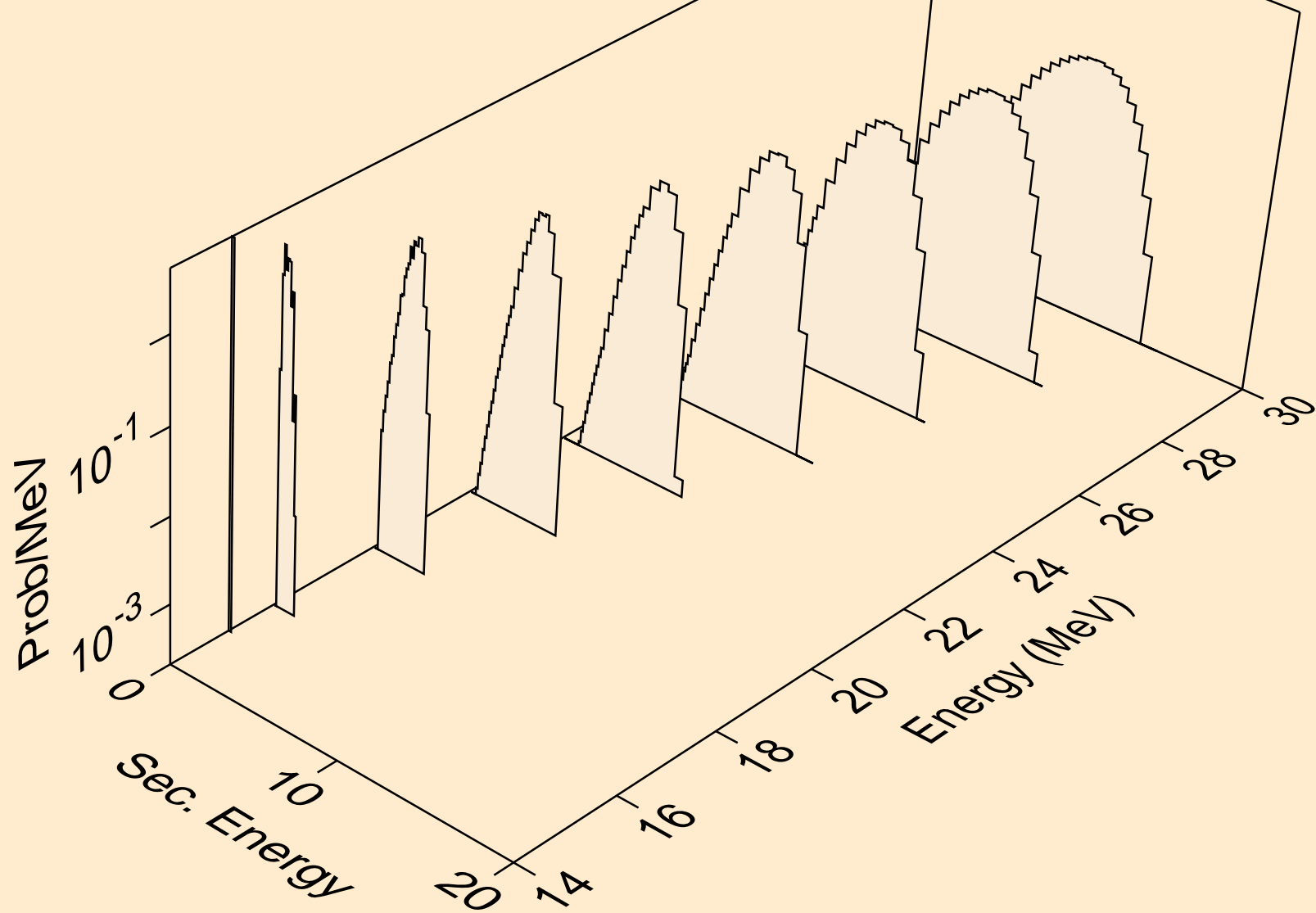
CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n\*)p



CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,2np)

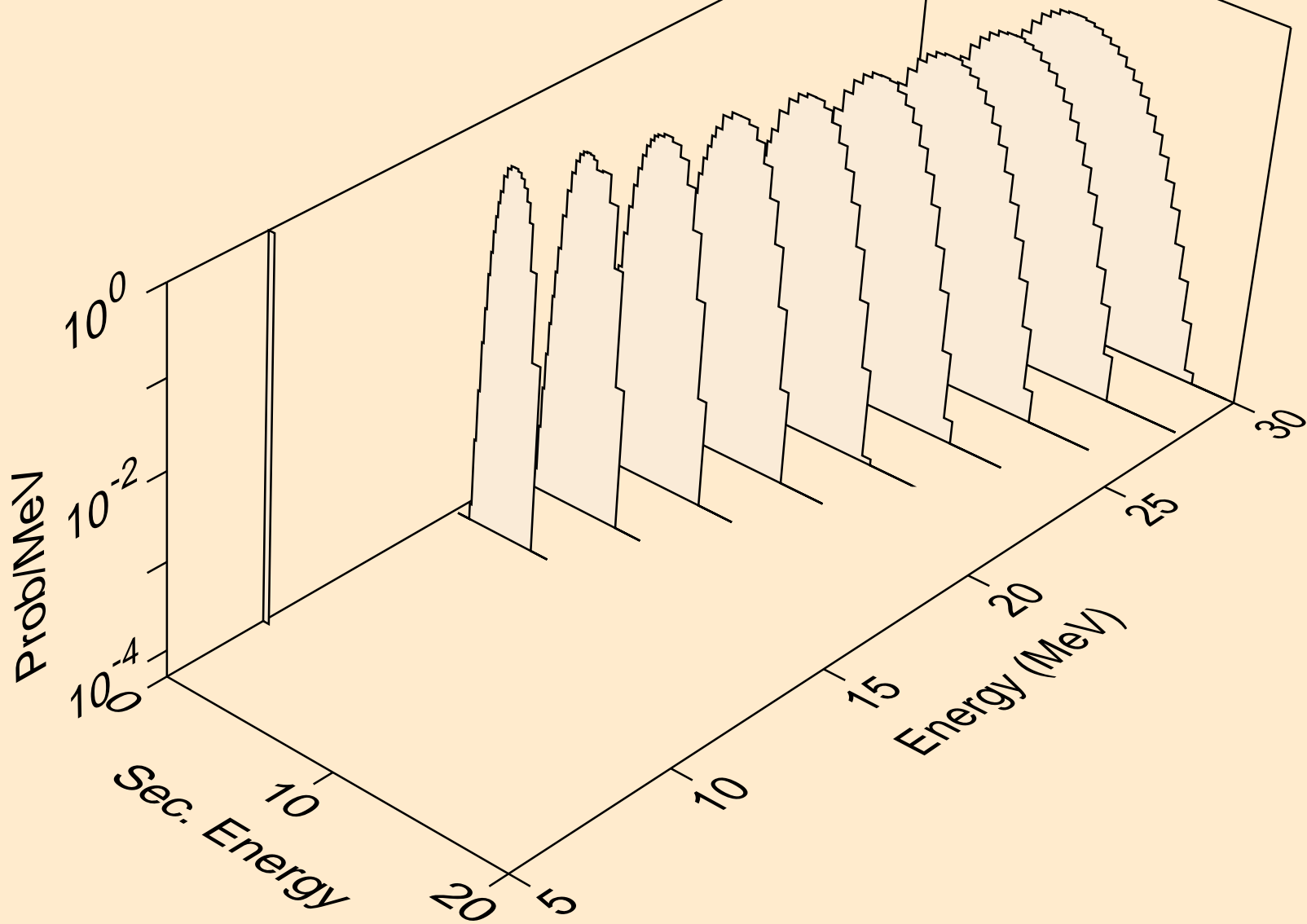


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protons from (s,3np)

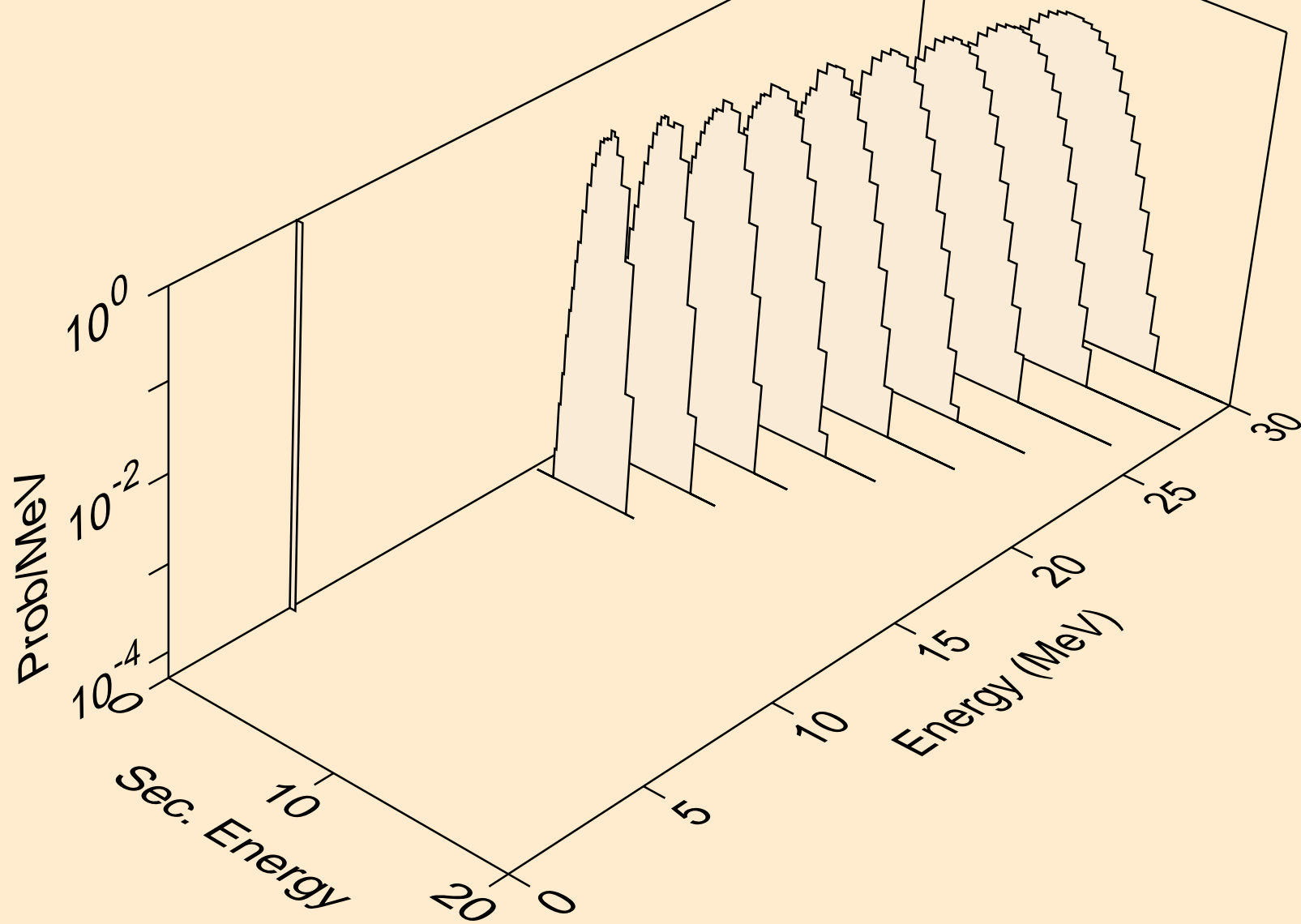




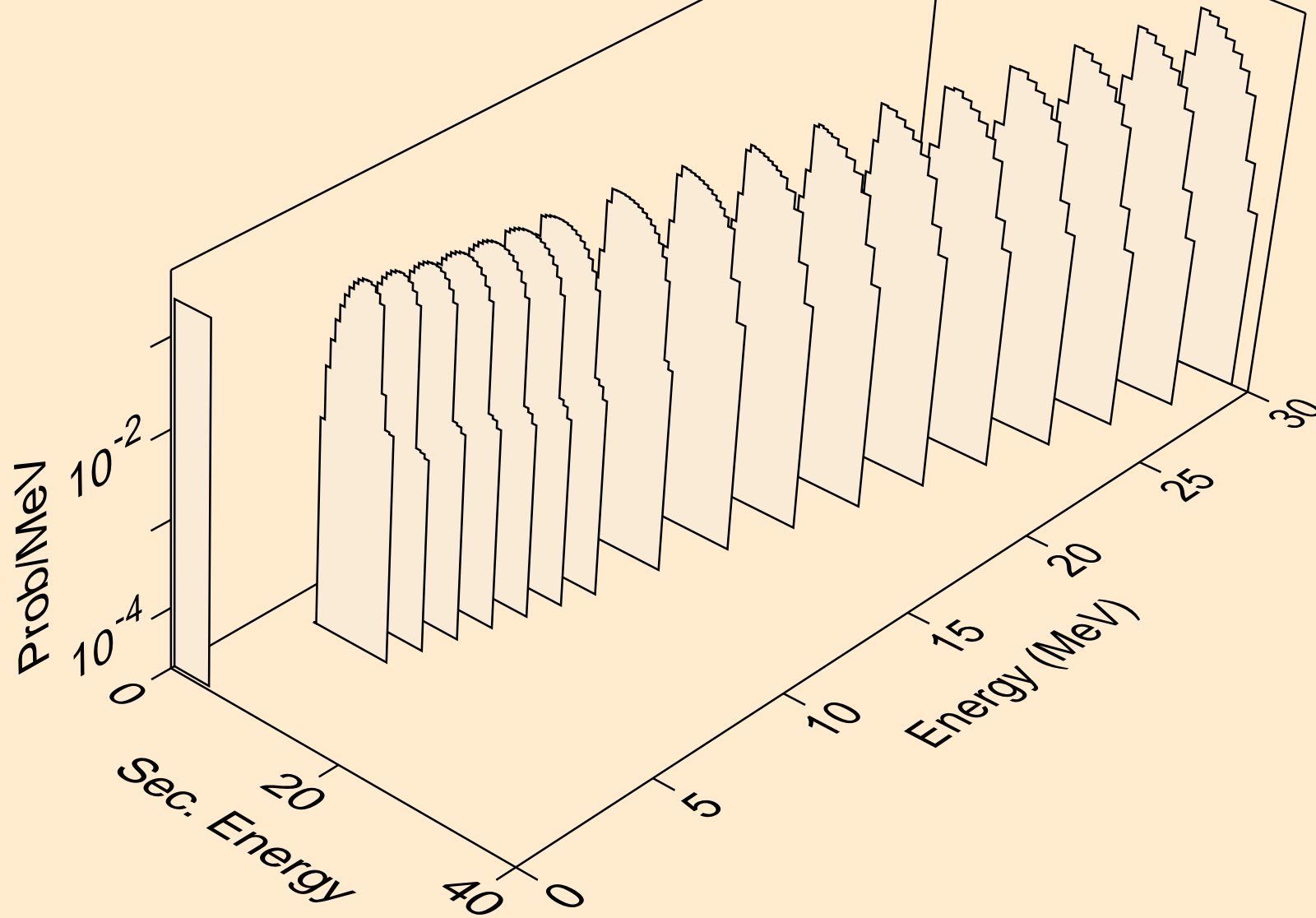
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protons from (s,n2p)



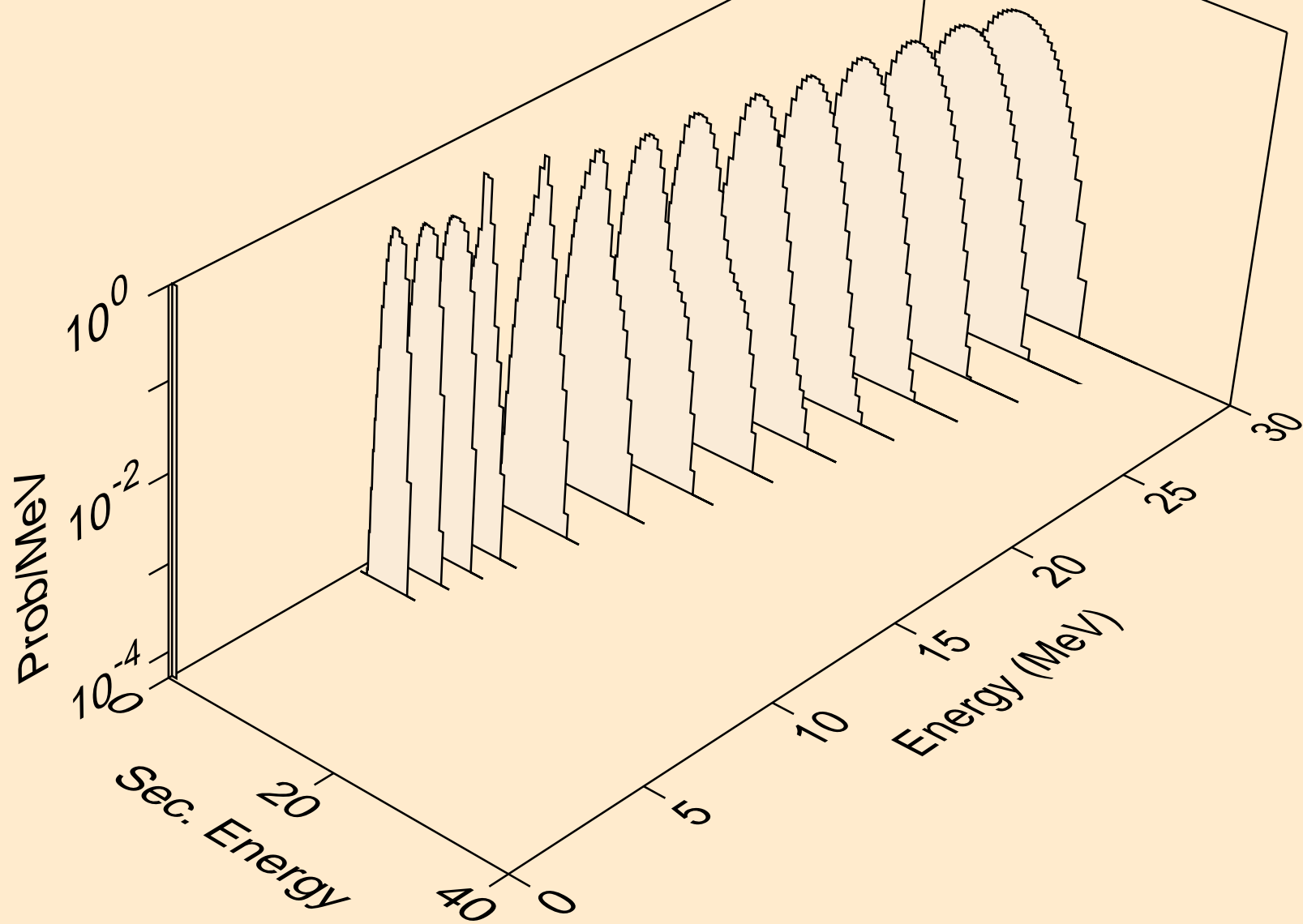
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protons from (s,npa)



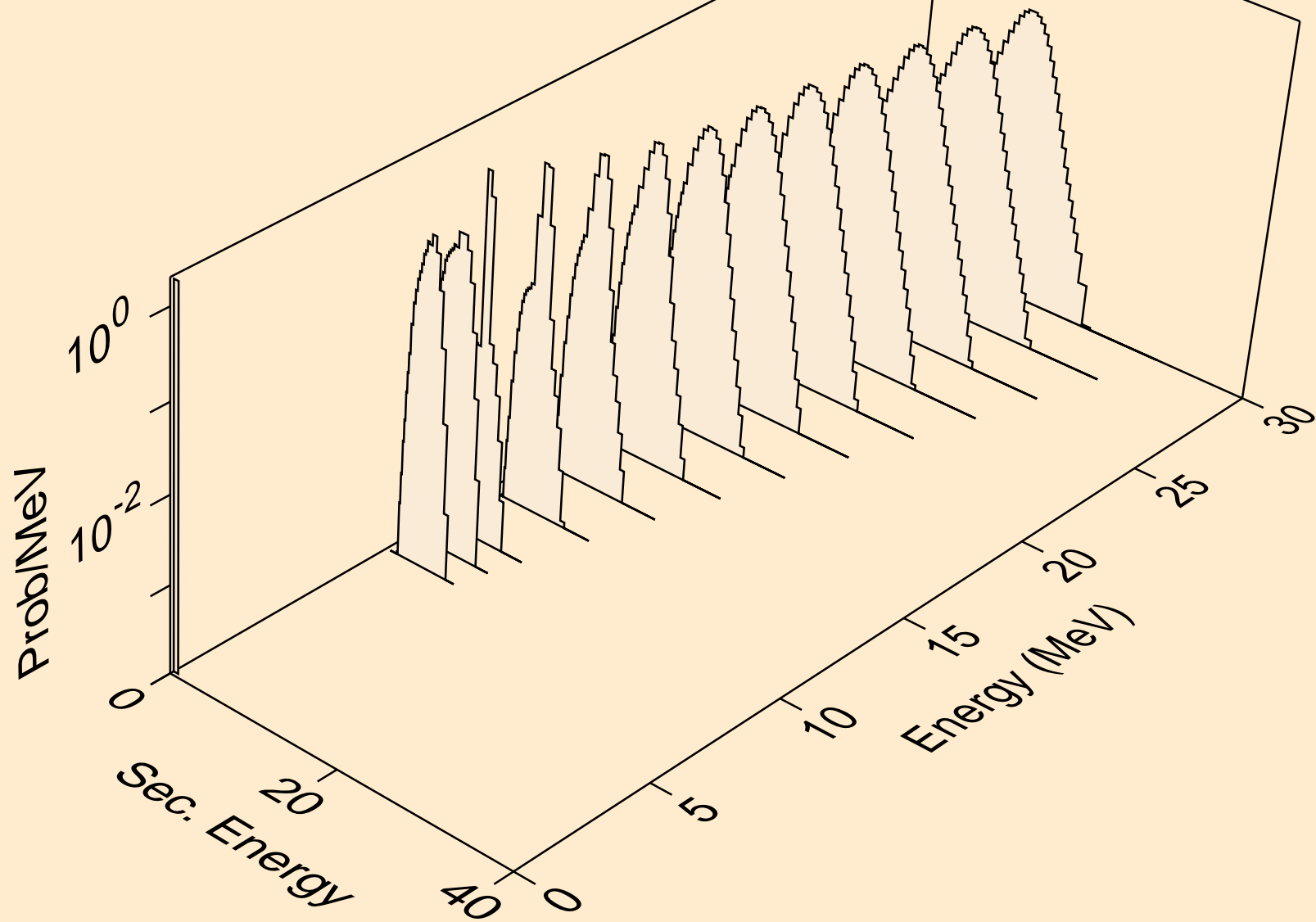
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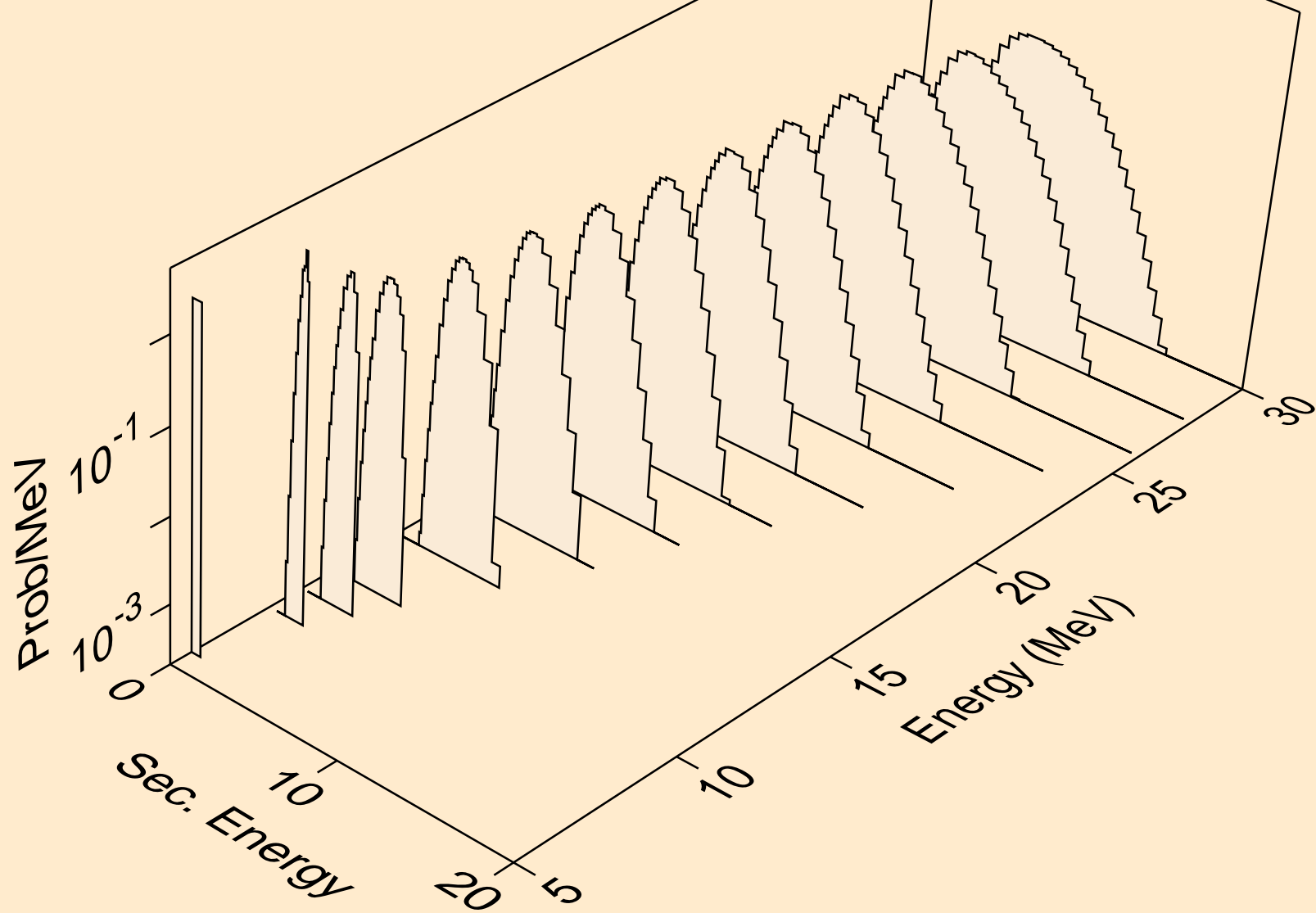
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protons from (s,2p)



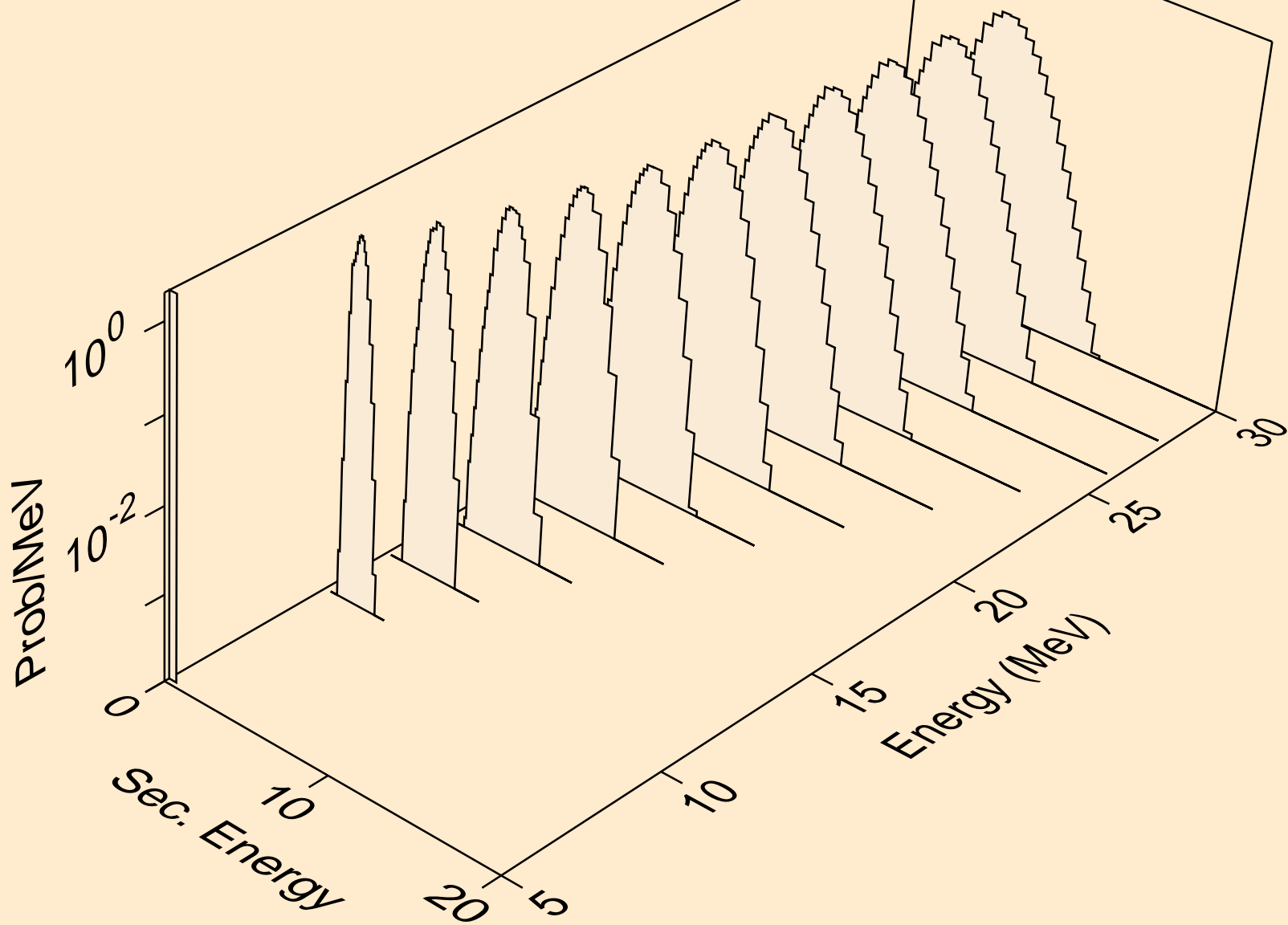
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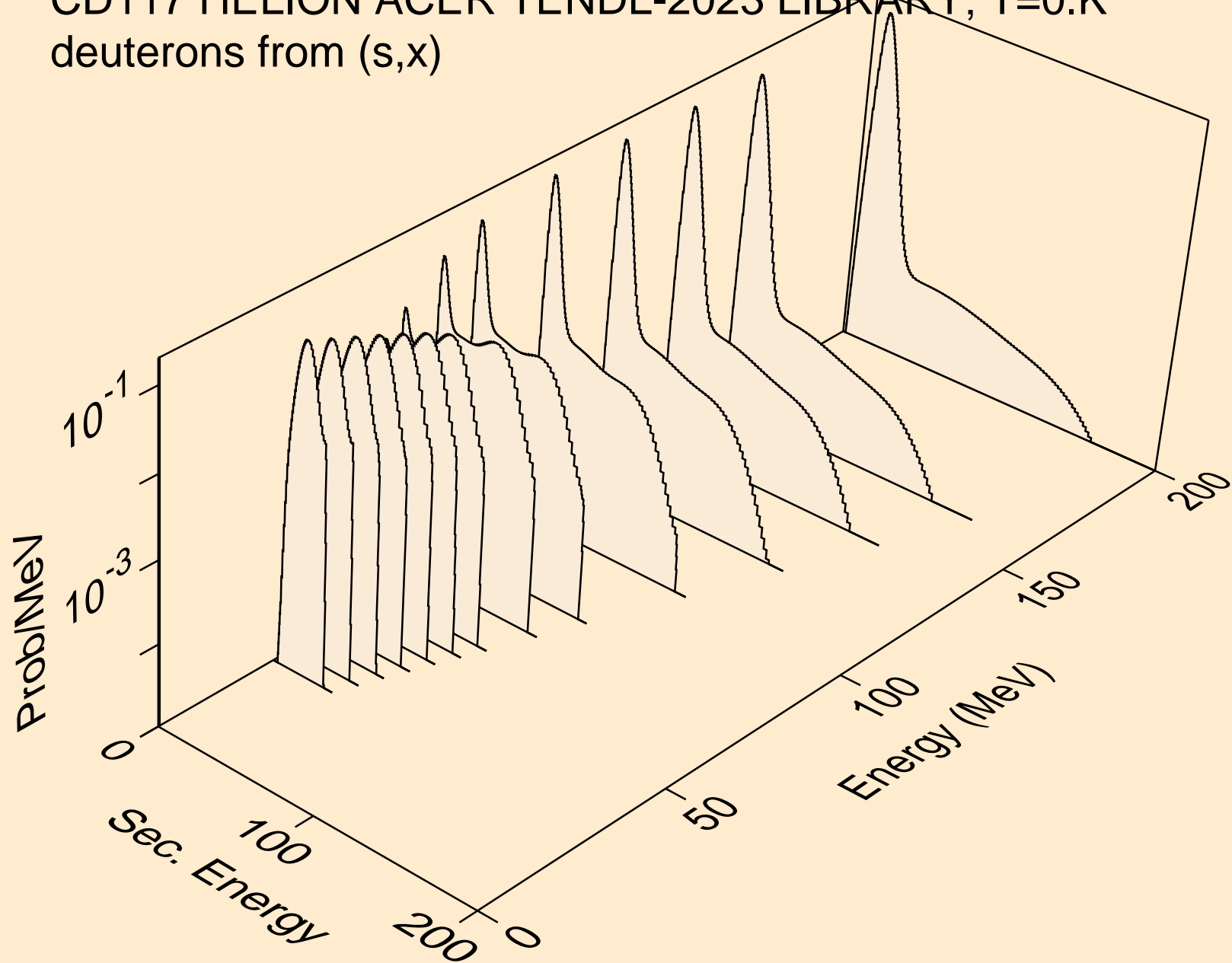
CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pd)



CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pt)

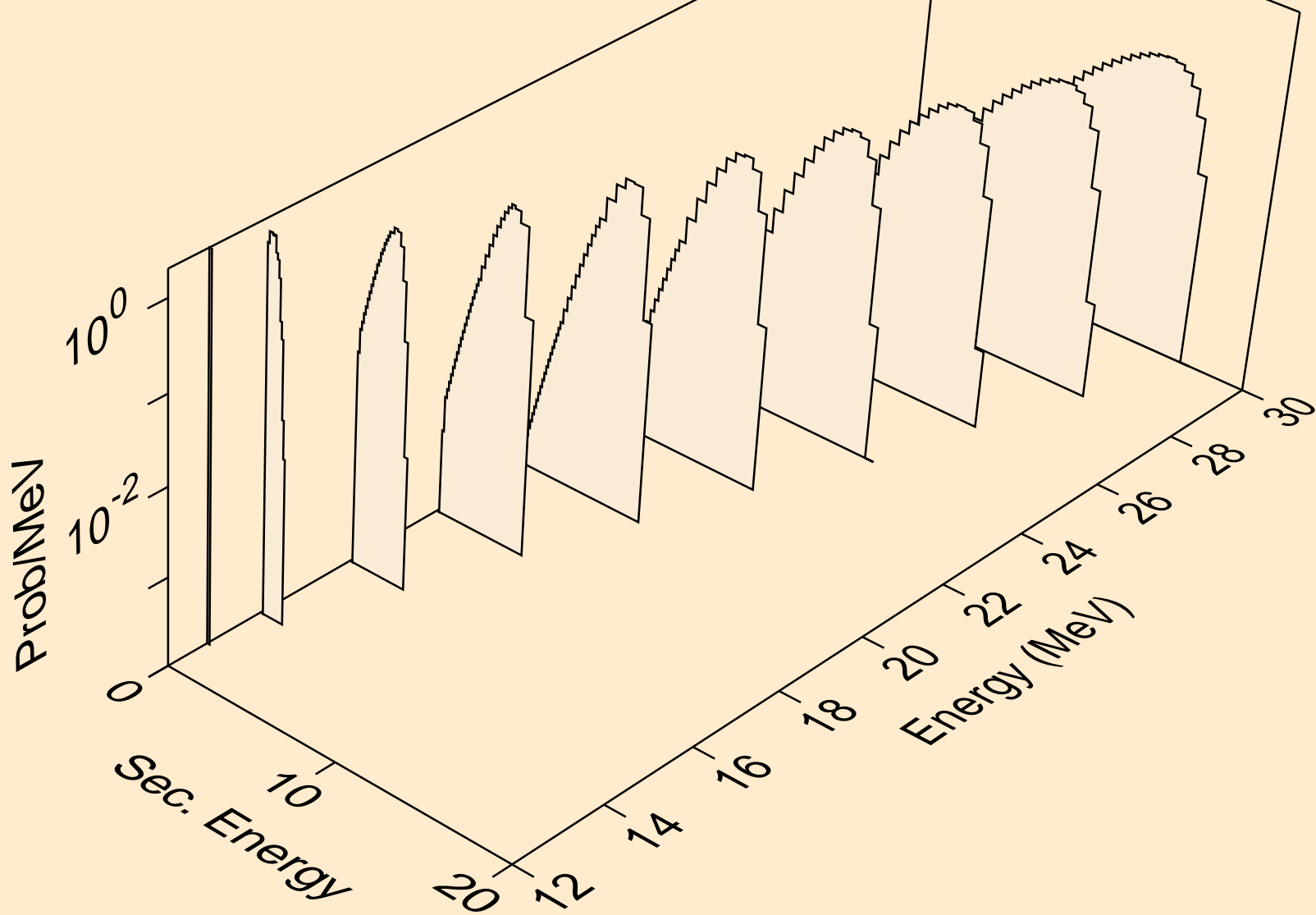


CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,x)

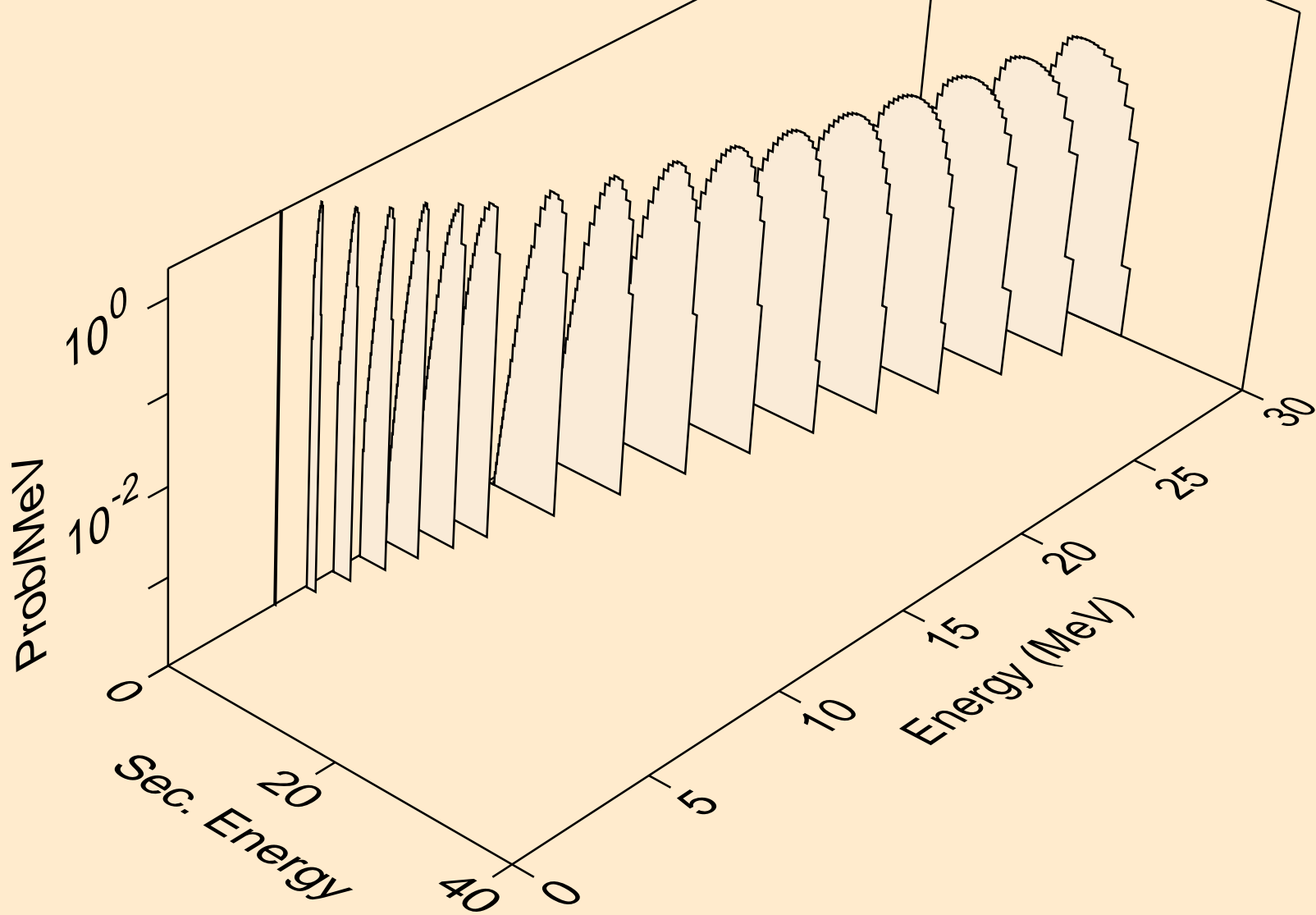




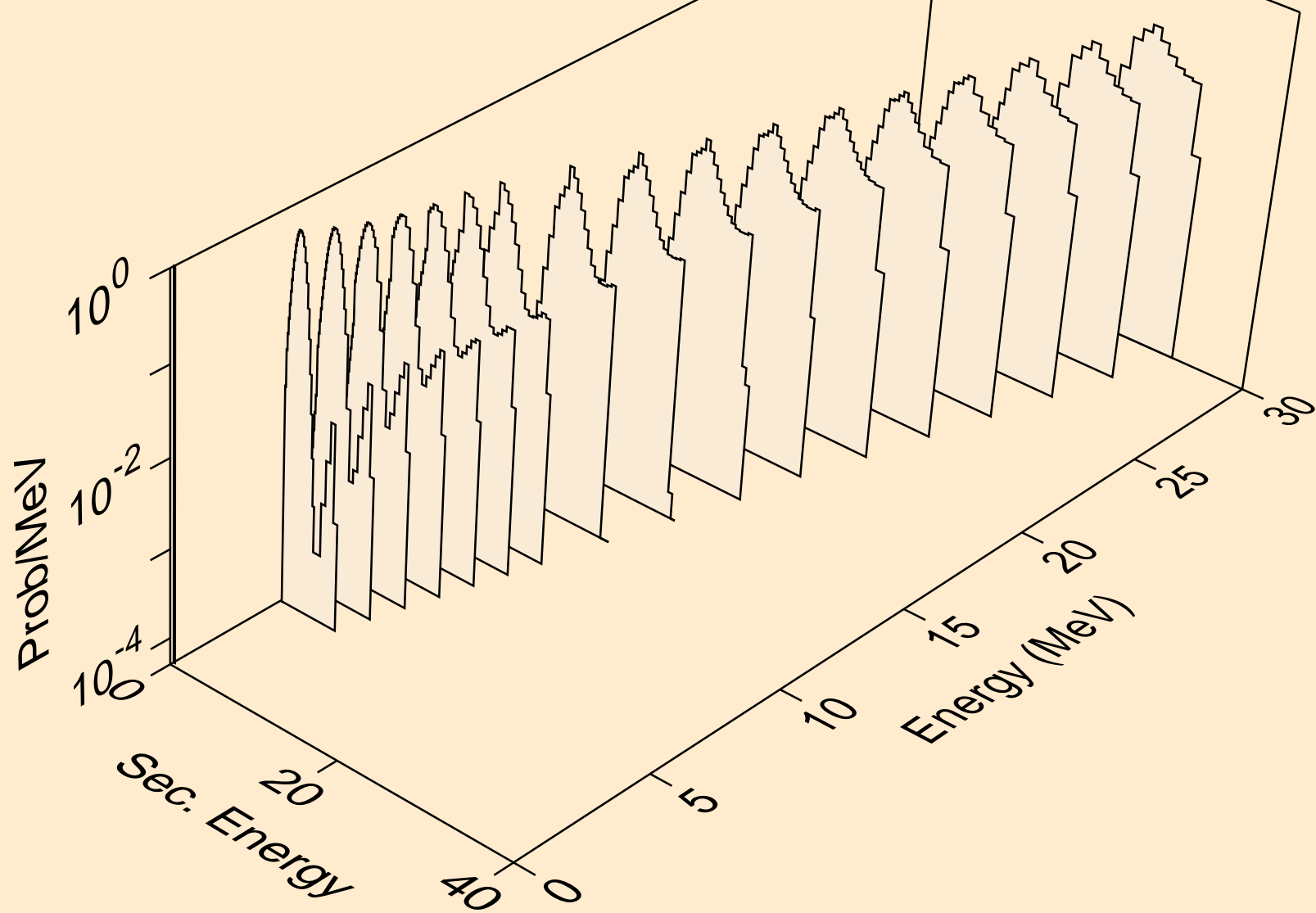
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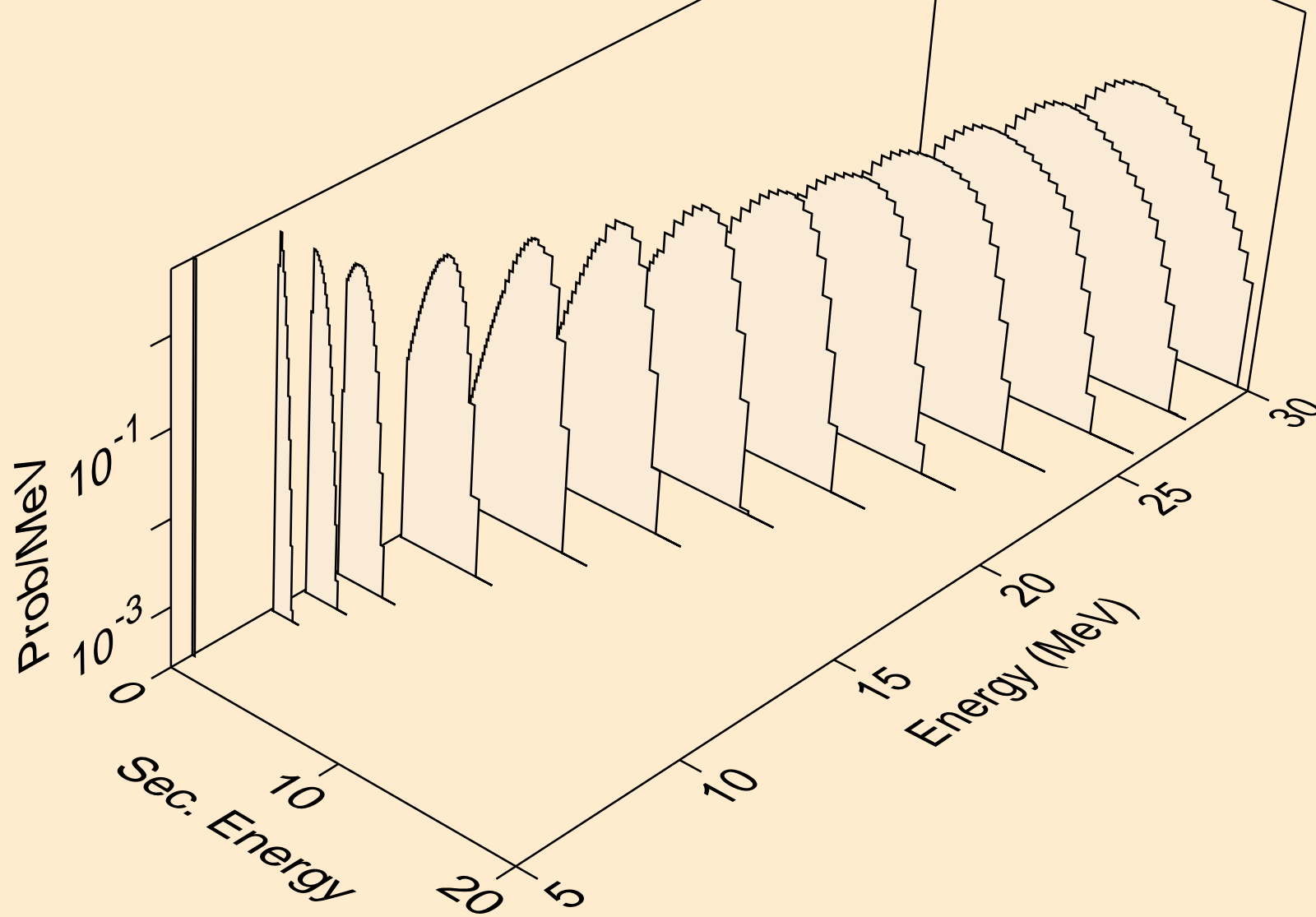
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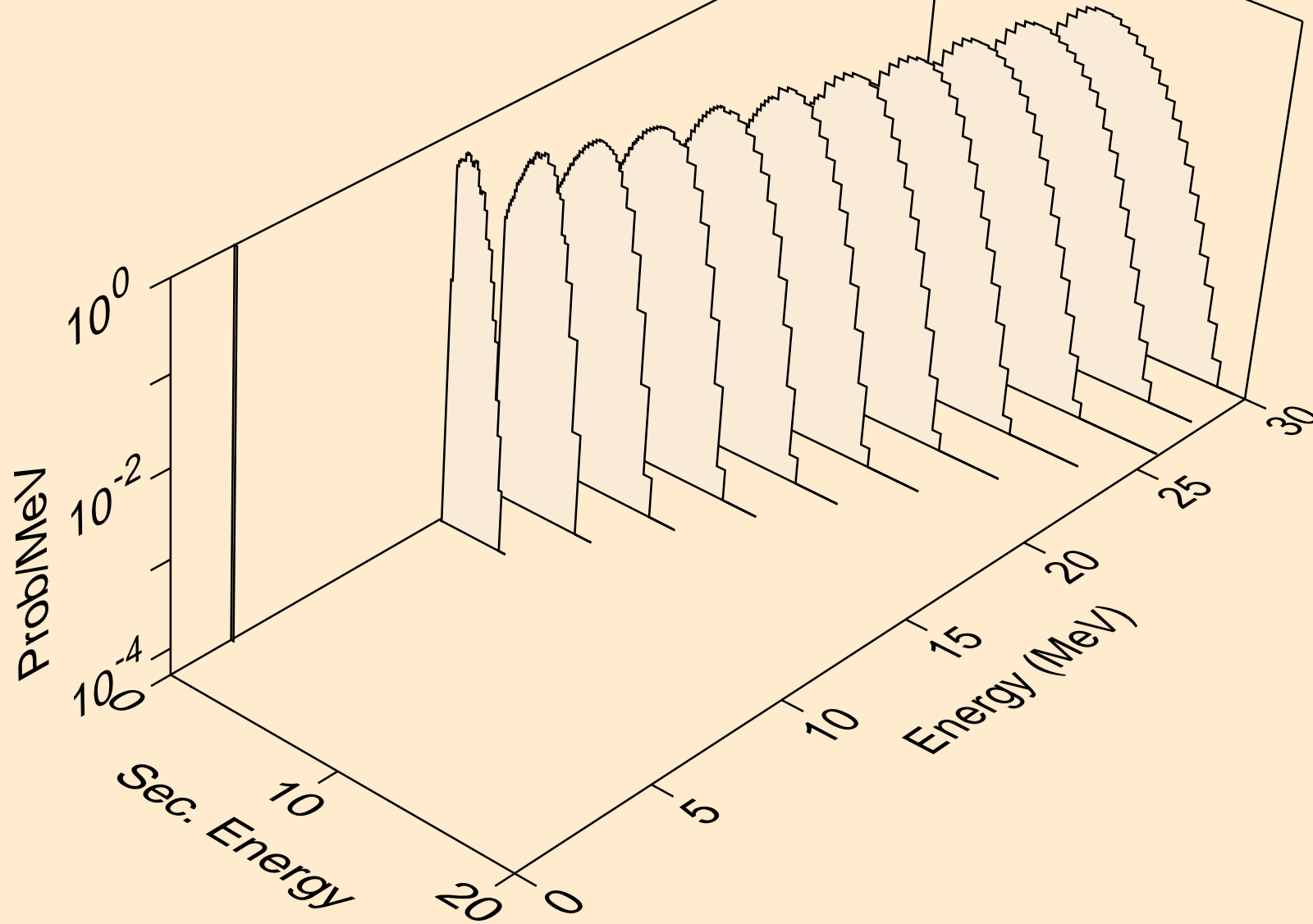
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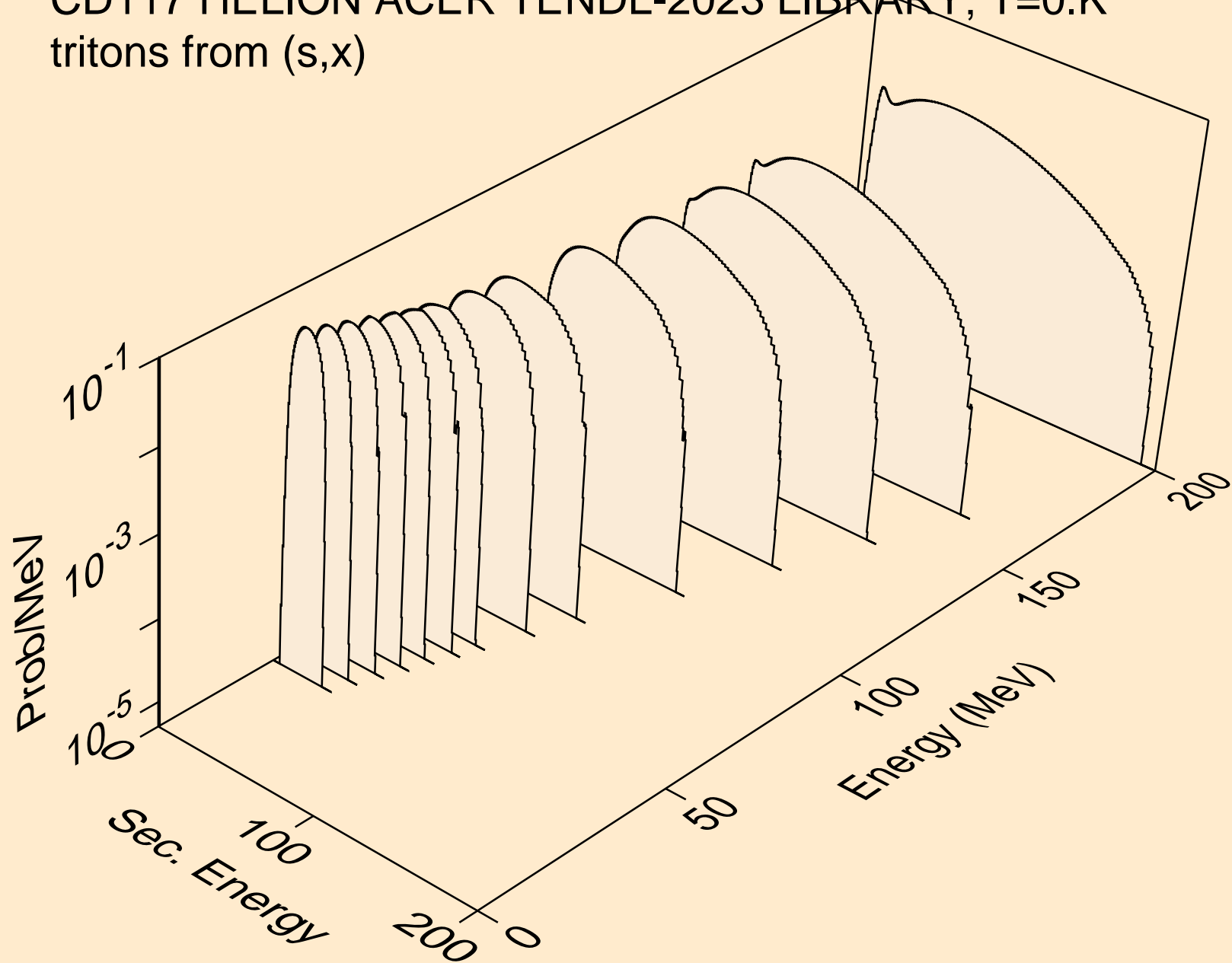
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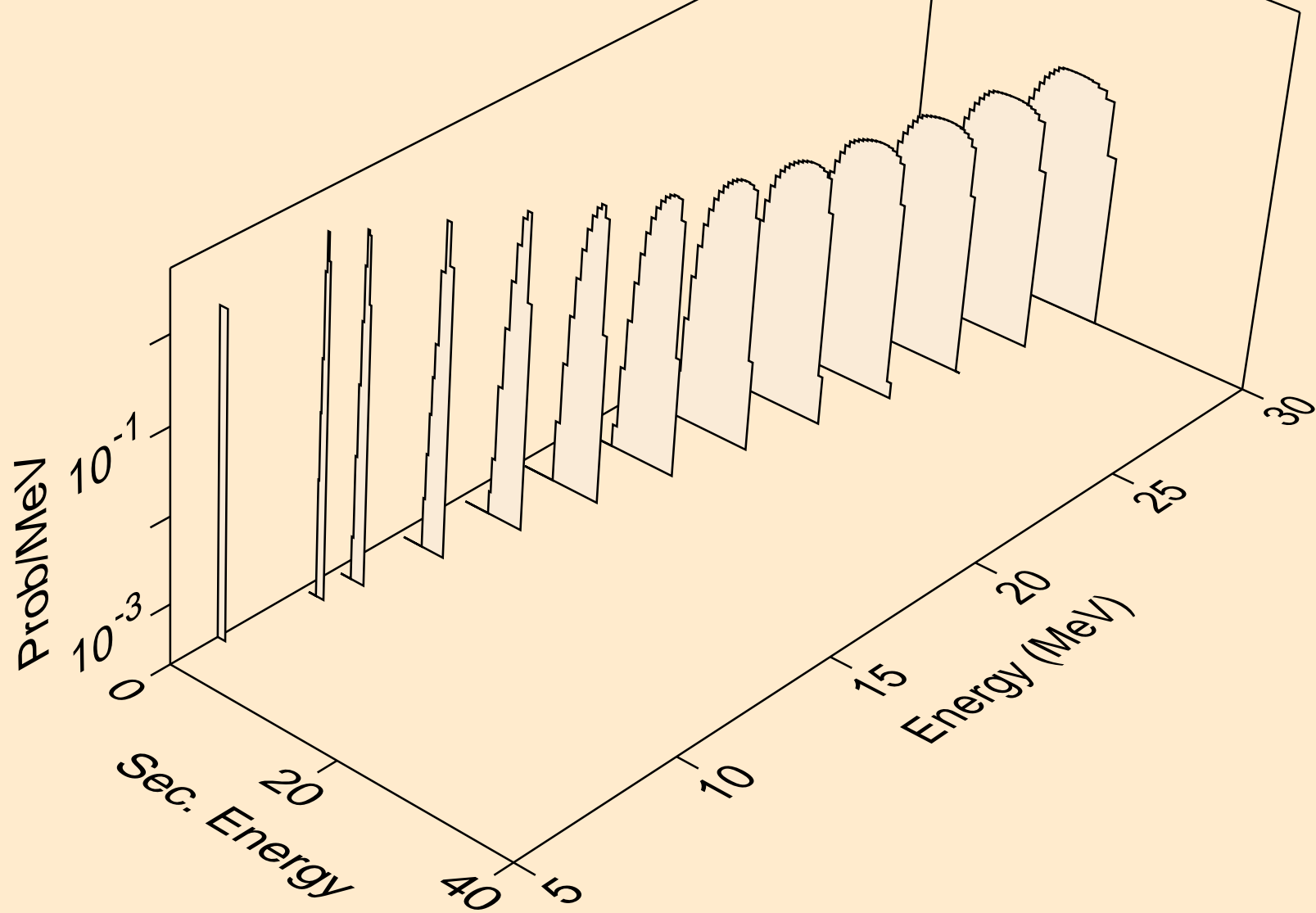
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deuterons from (s,da)



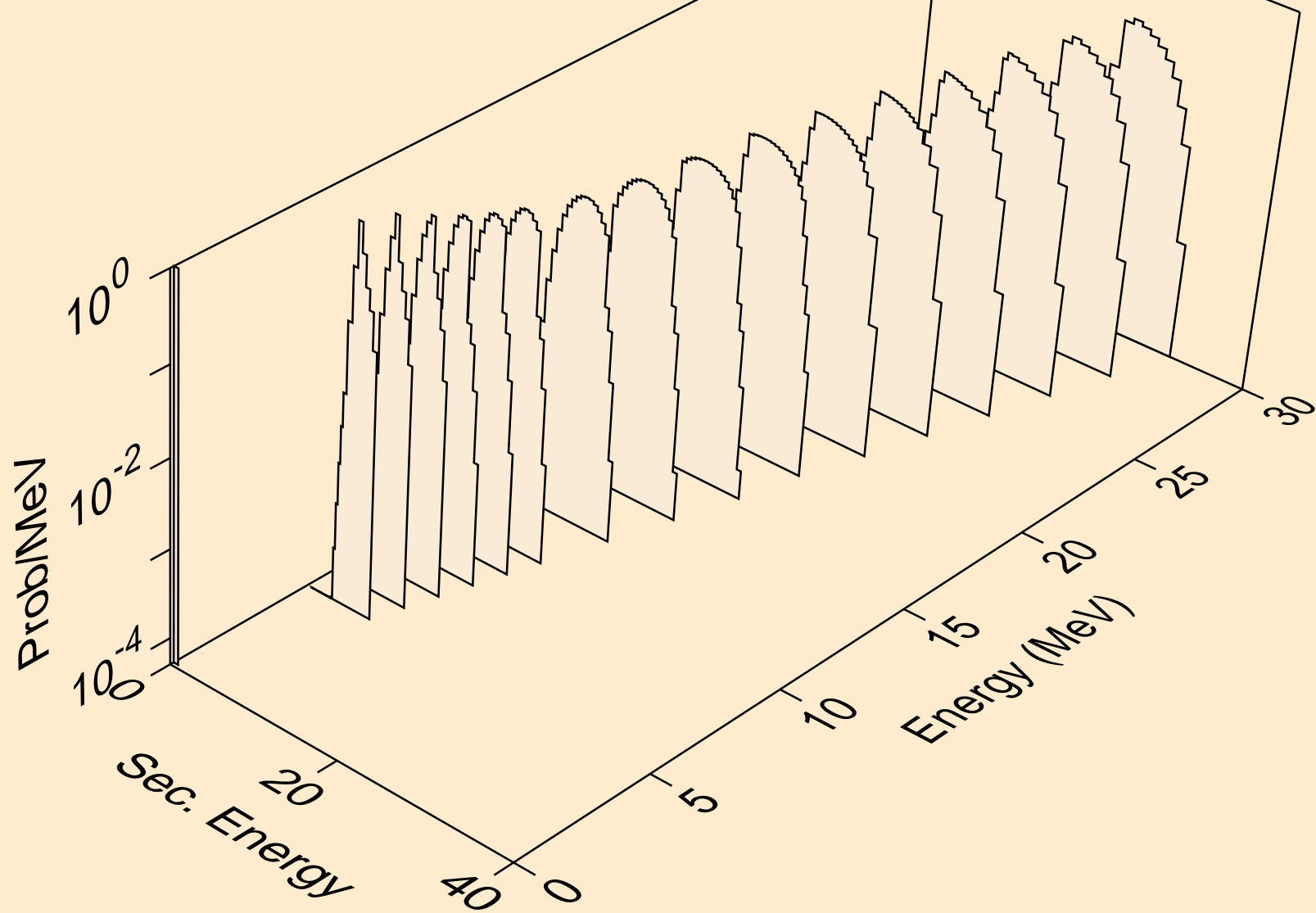
CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,x)



CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,n\*)t

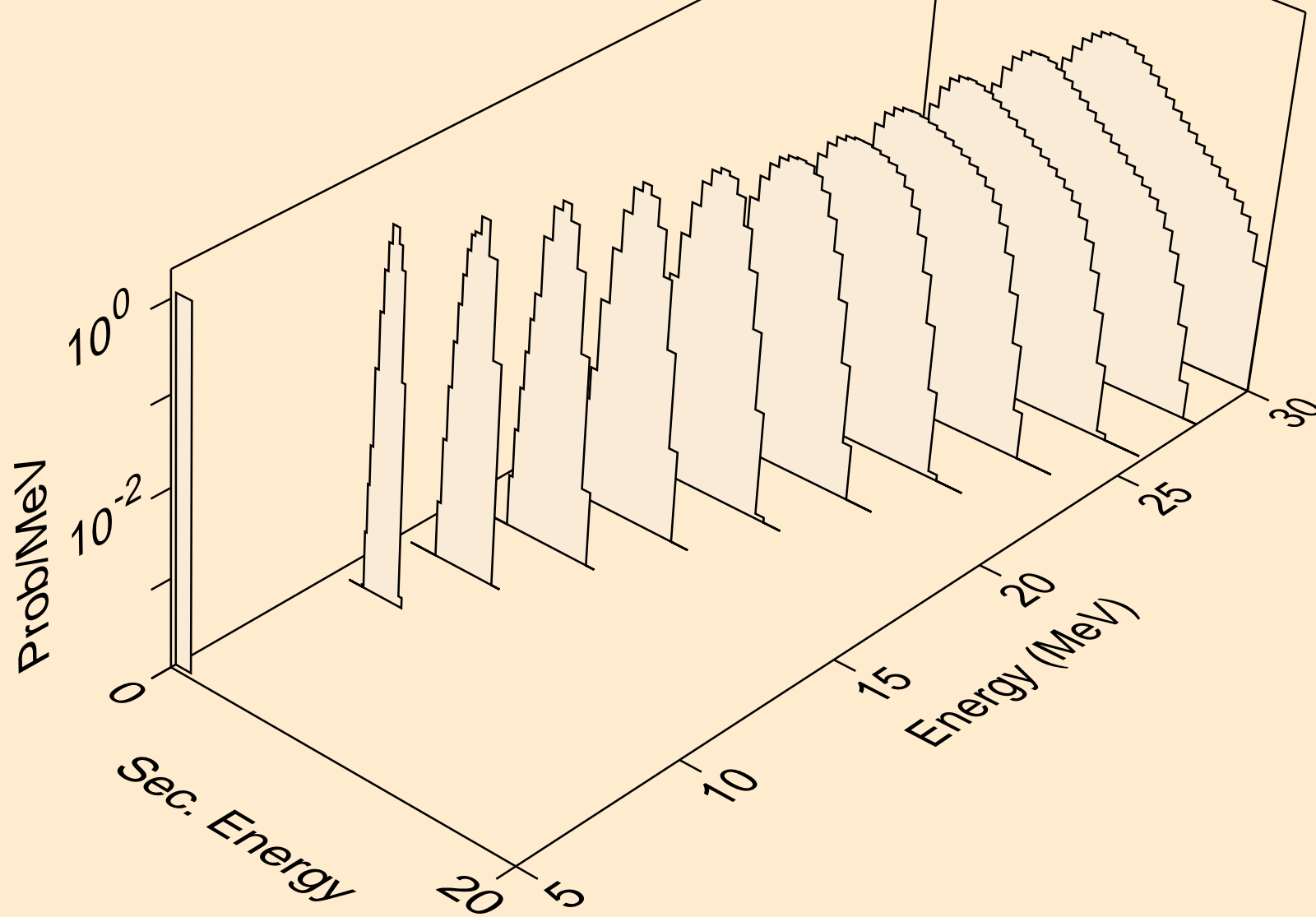


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tritons from (s,t)

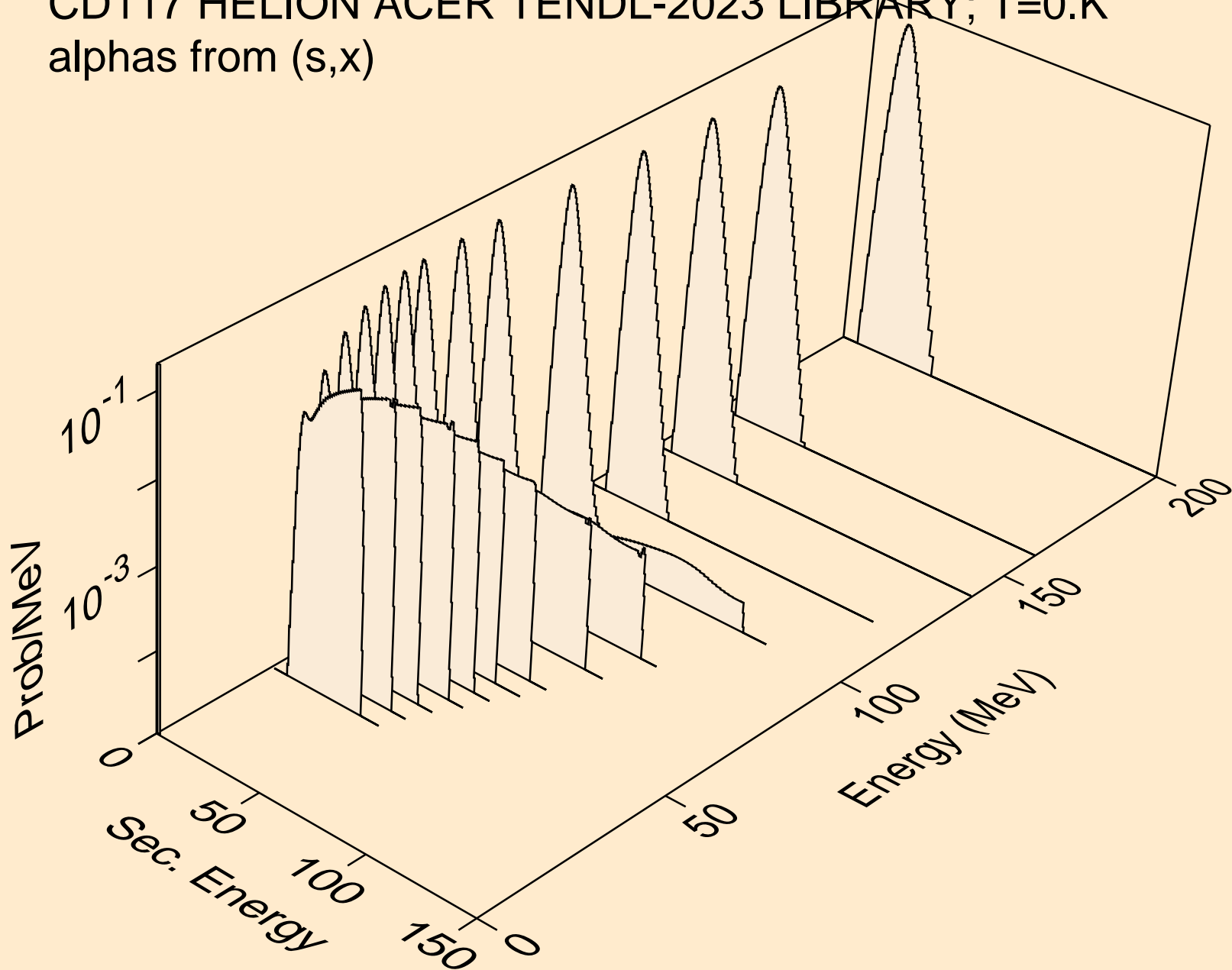




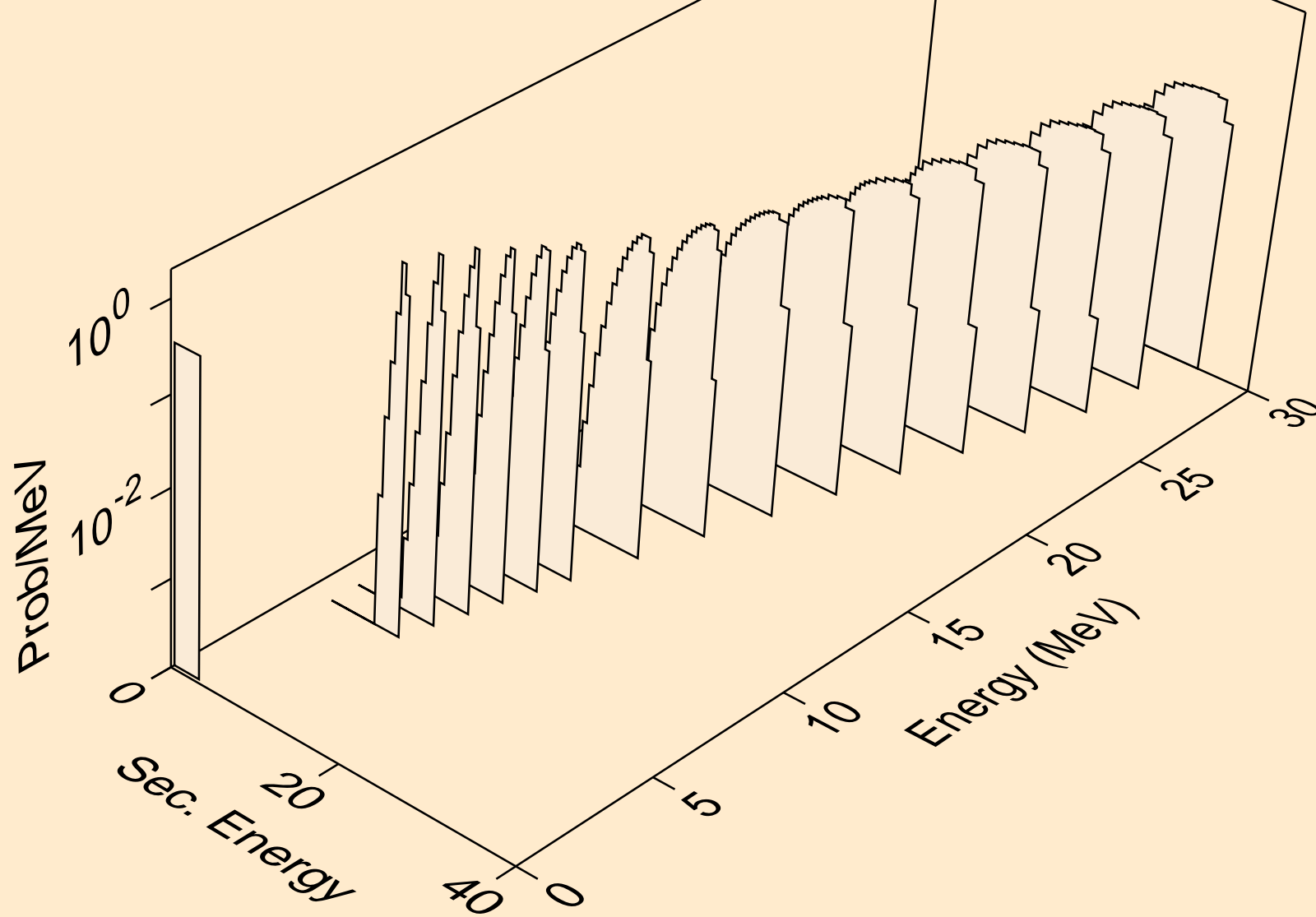
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tritons from (s,pt)



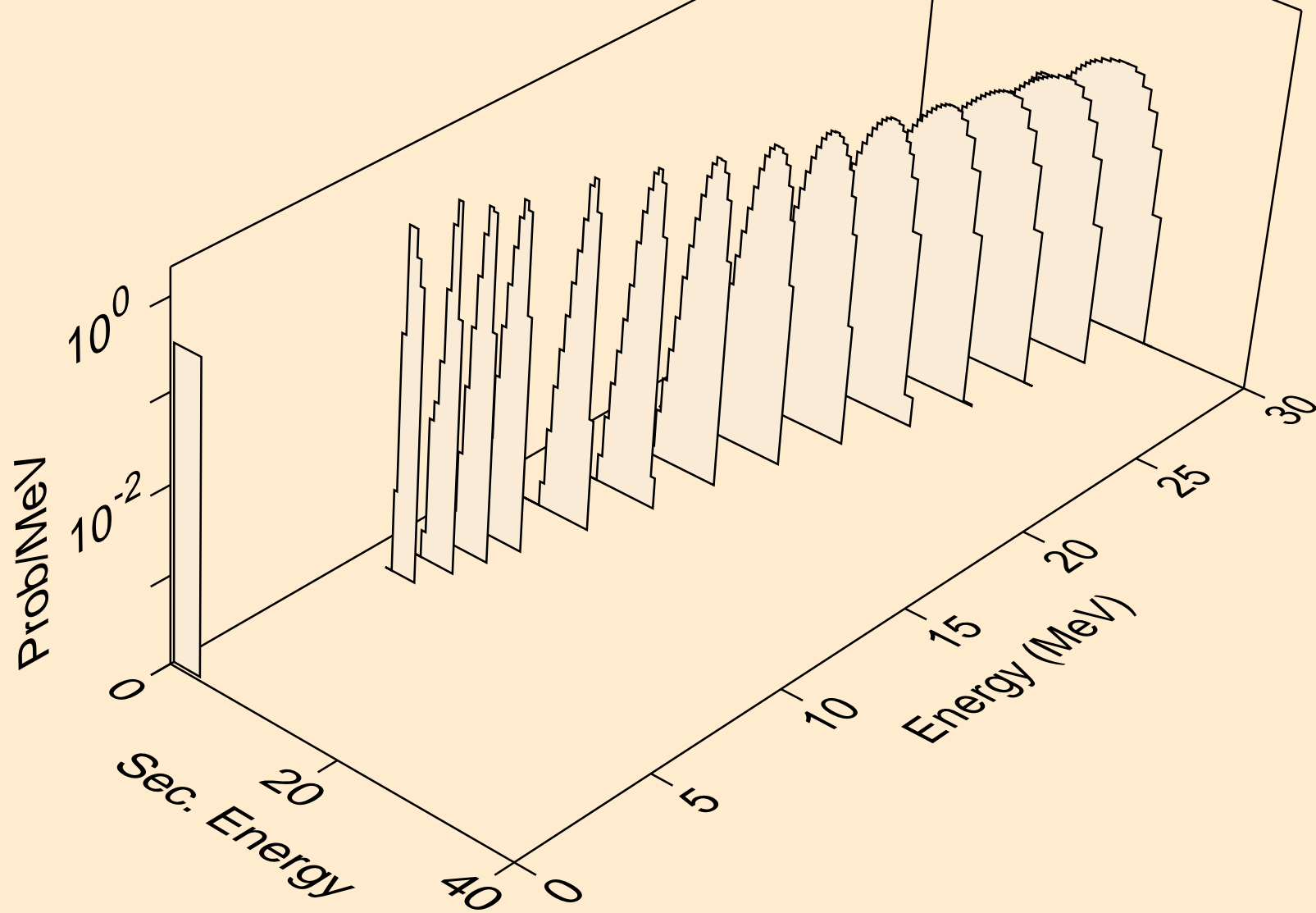
CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,x)



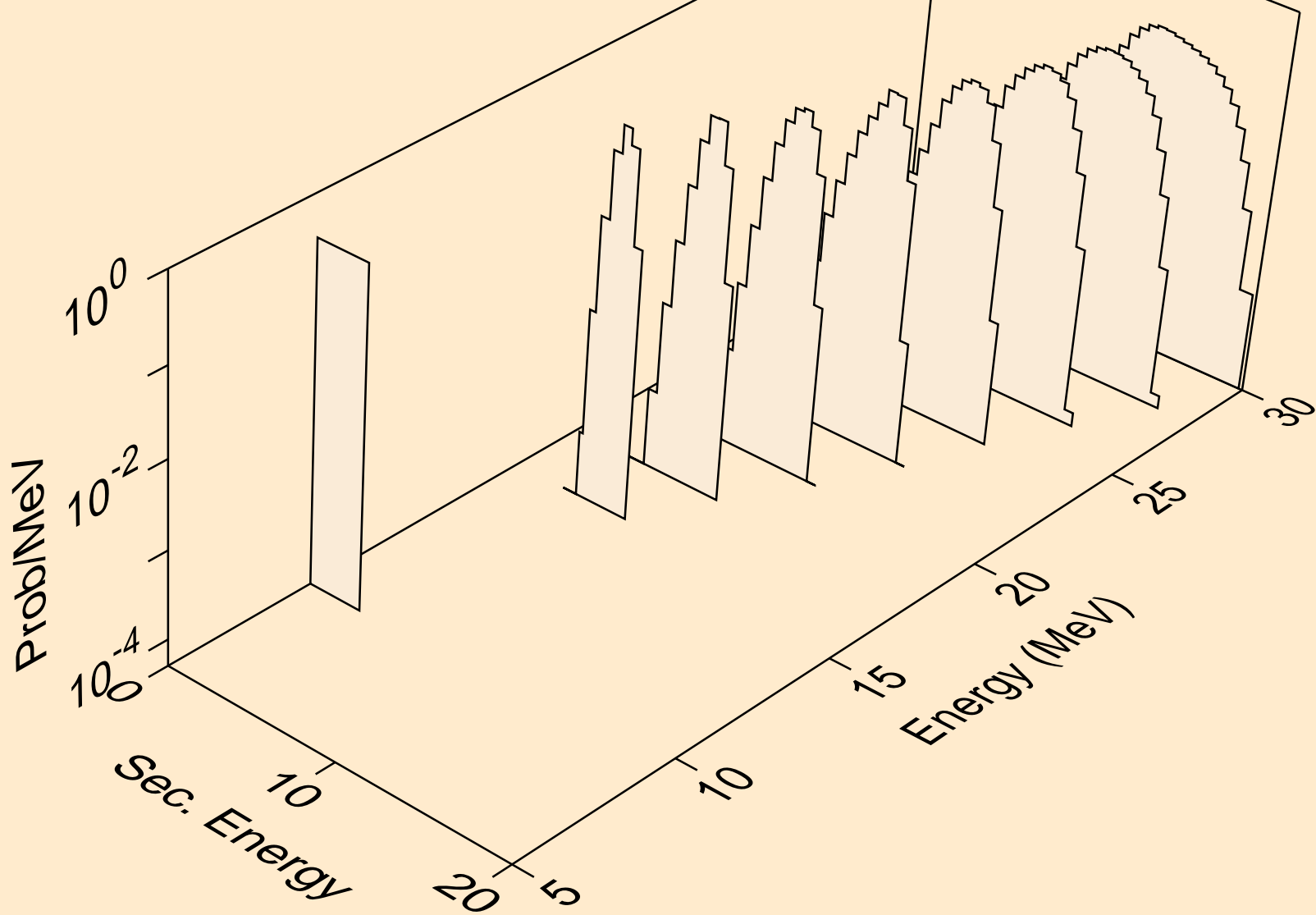
CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)a



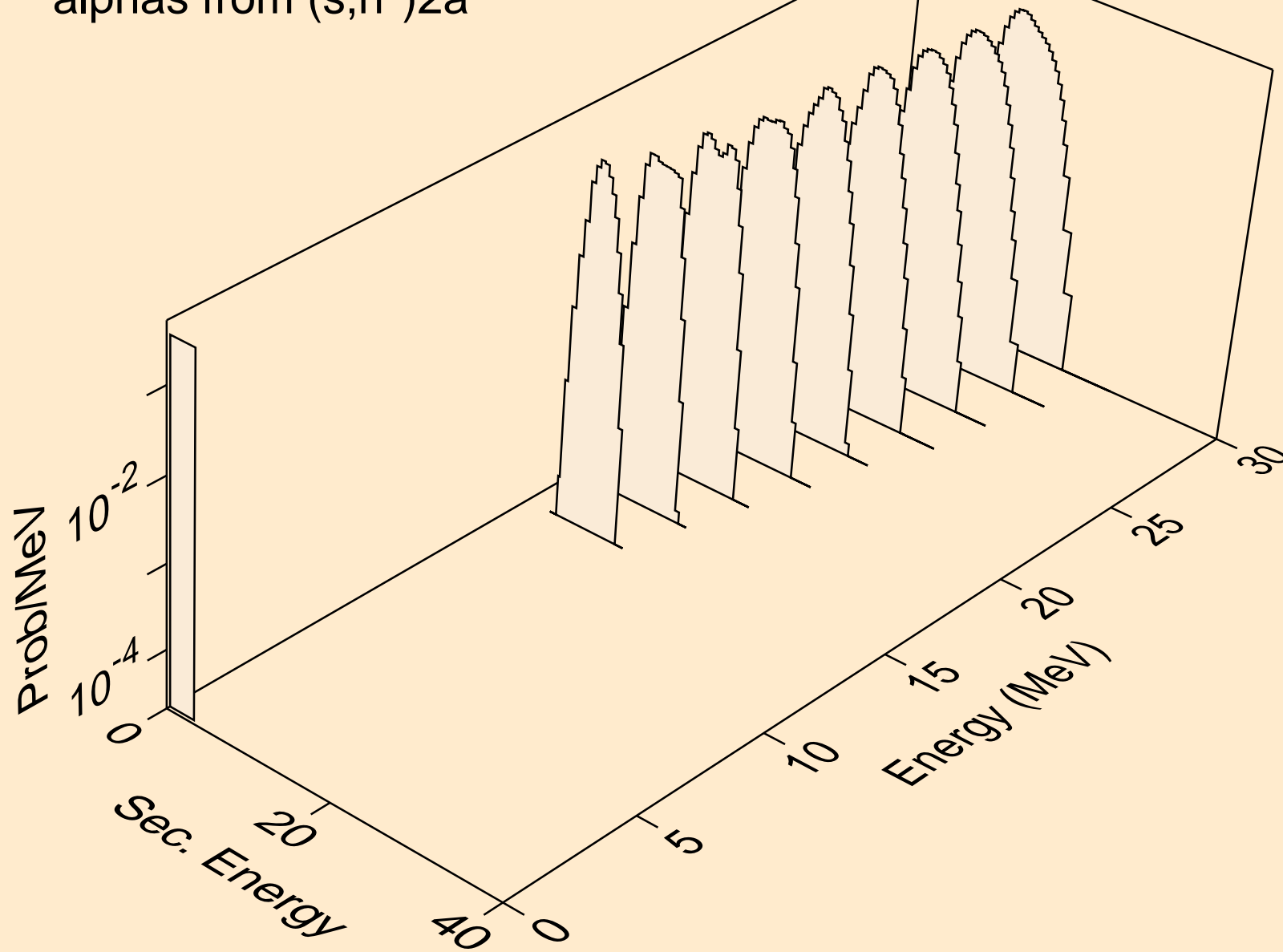
CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2n)a



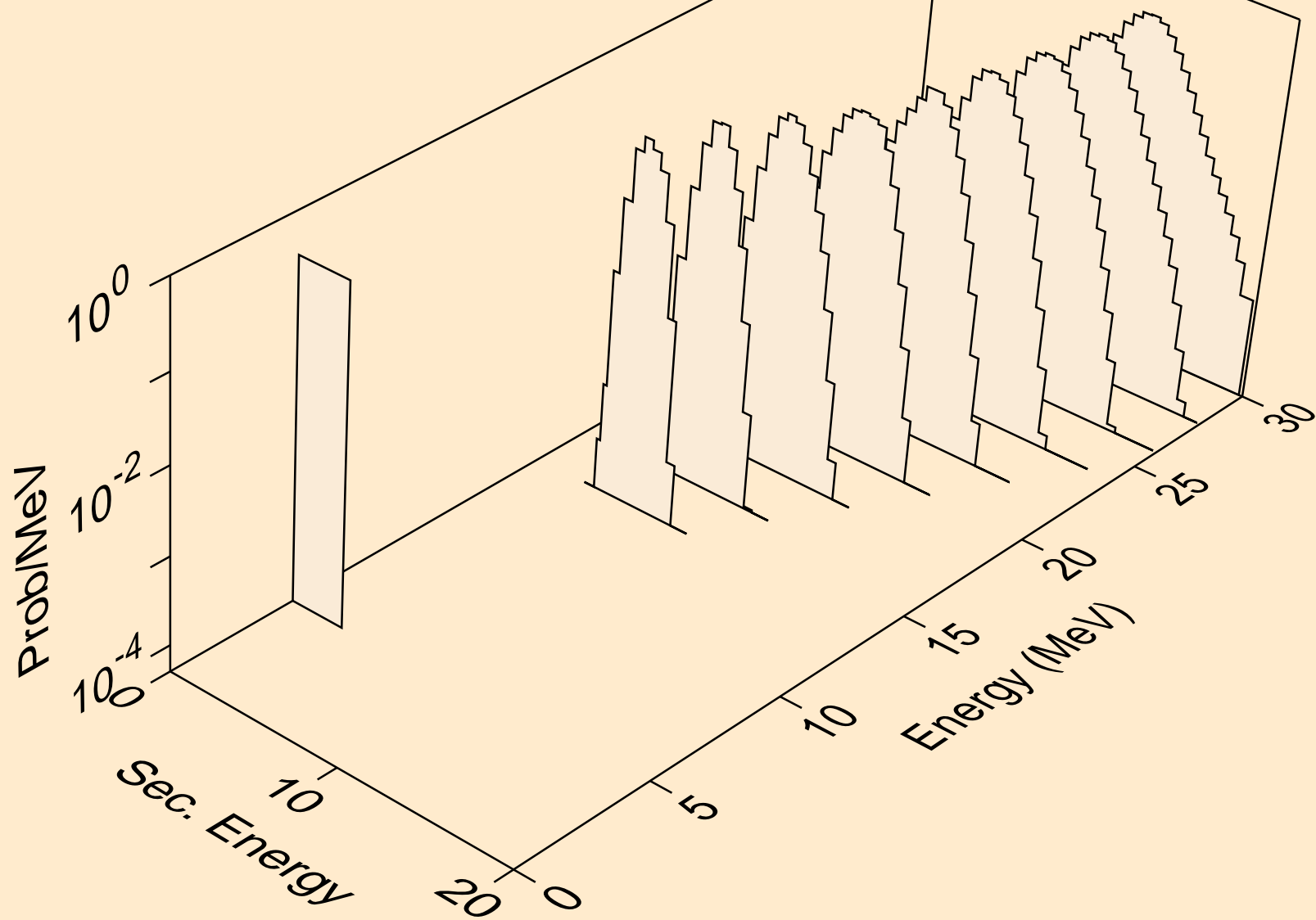
CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,3n)a



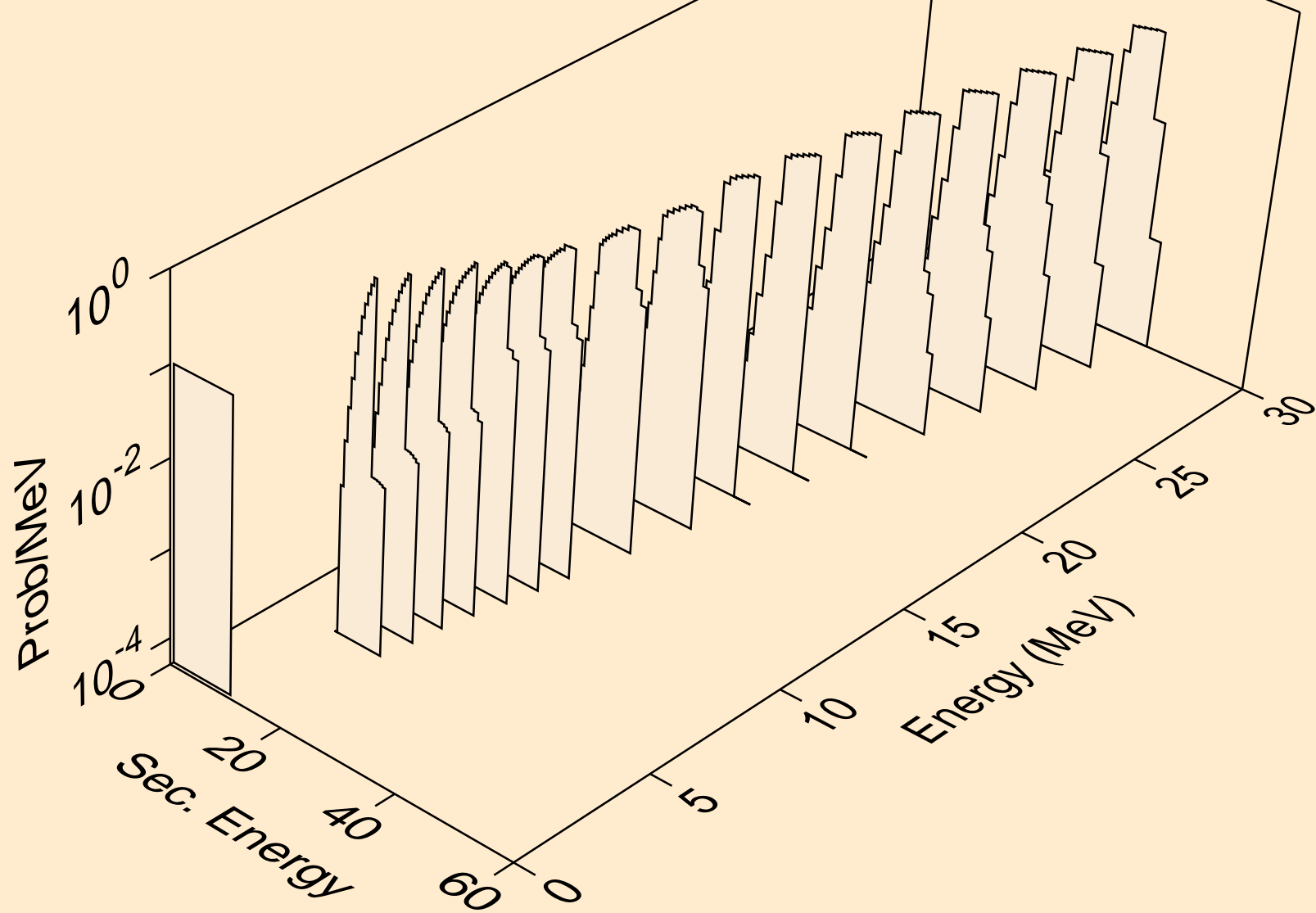
CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)2a



CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,npa)

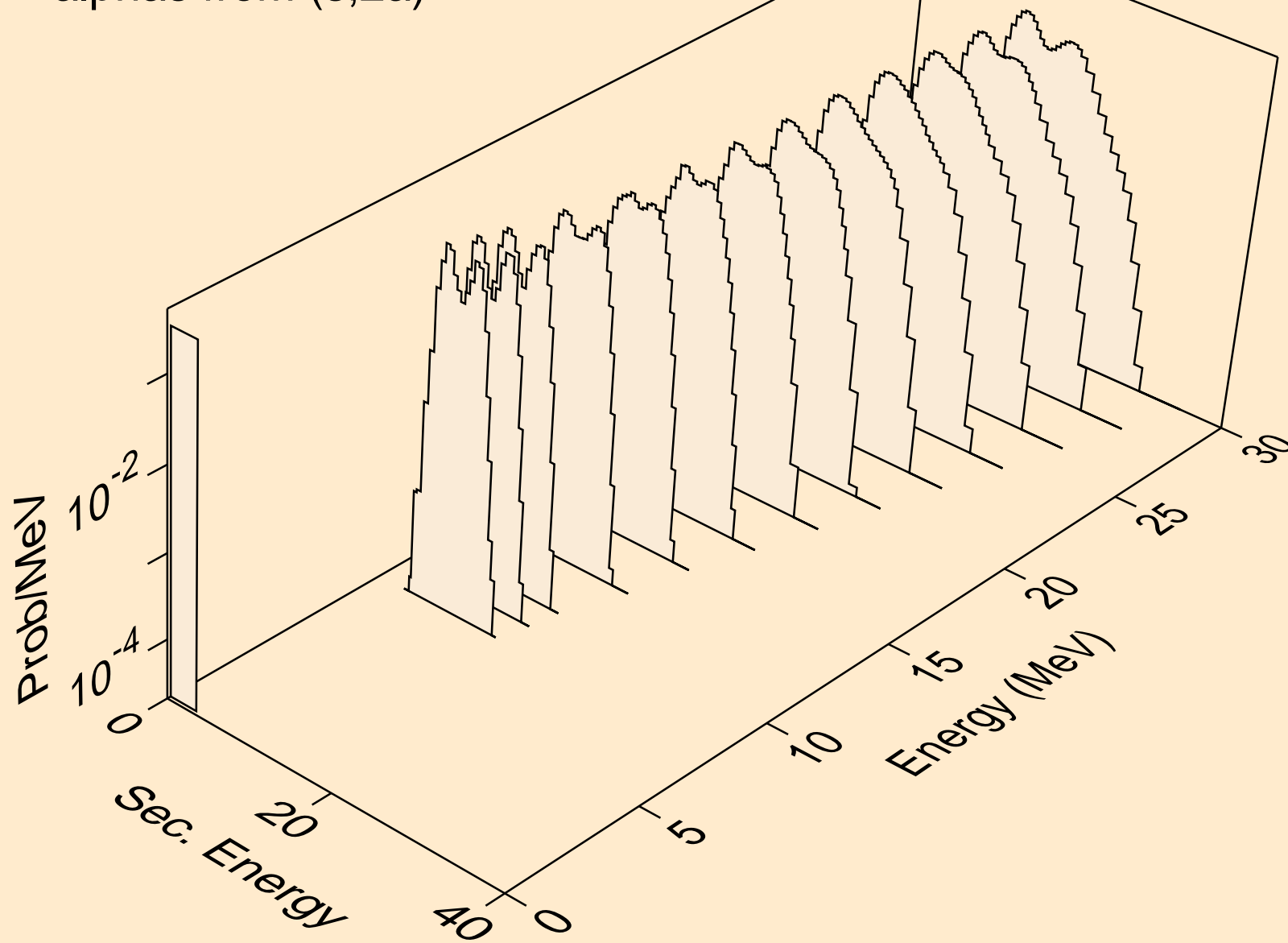


CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,a)

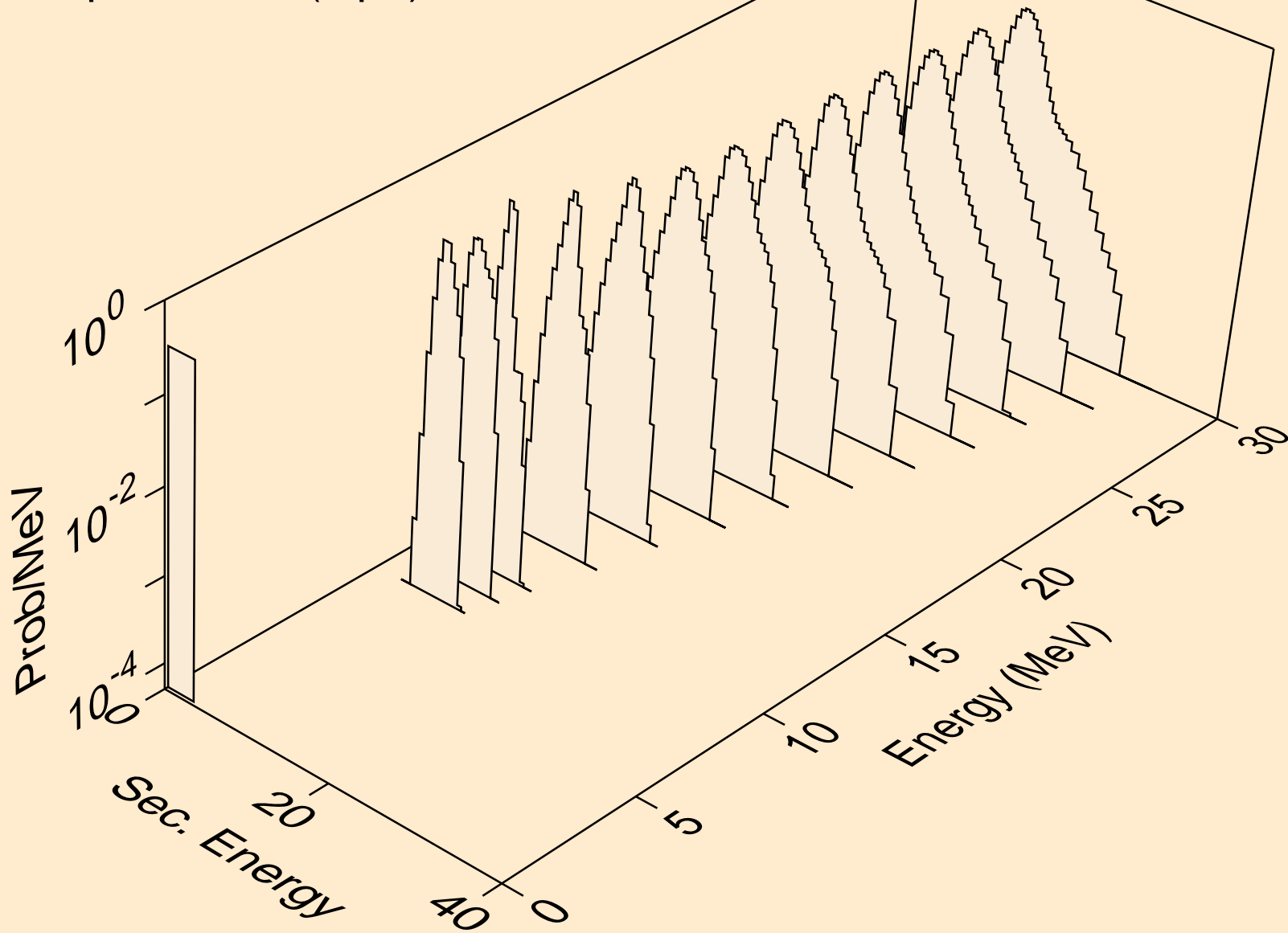




CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)



CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



CD117 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

