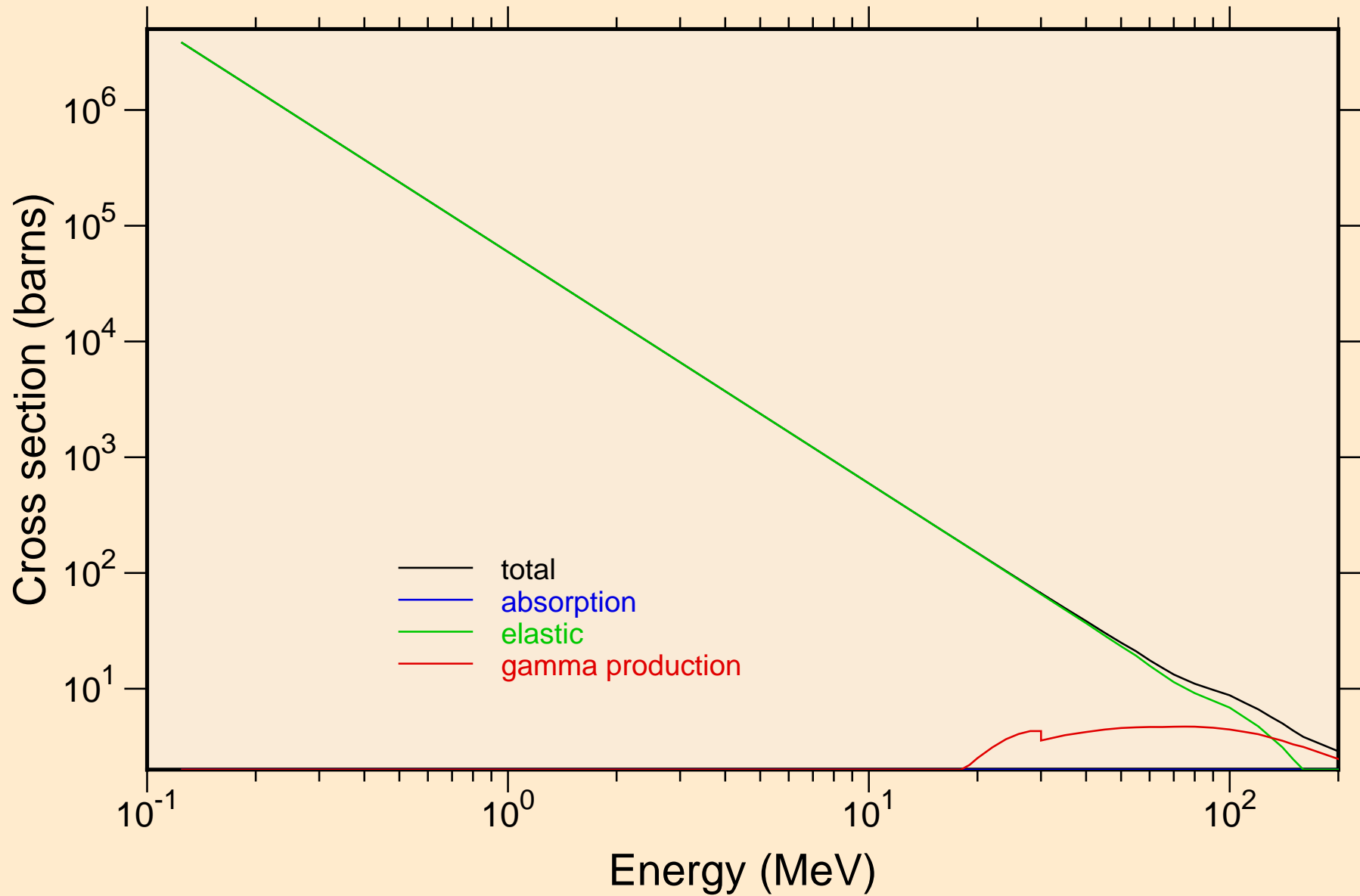
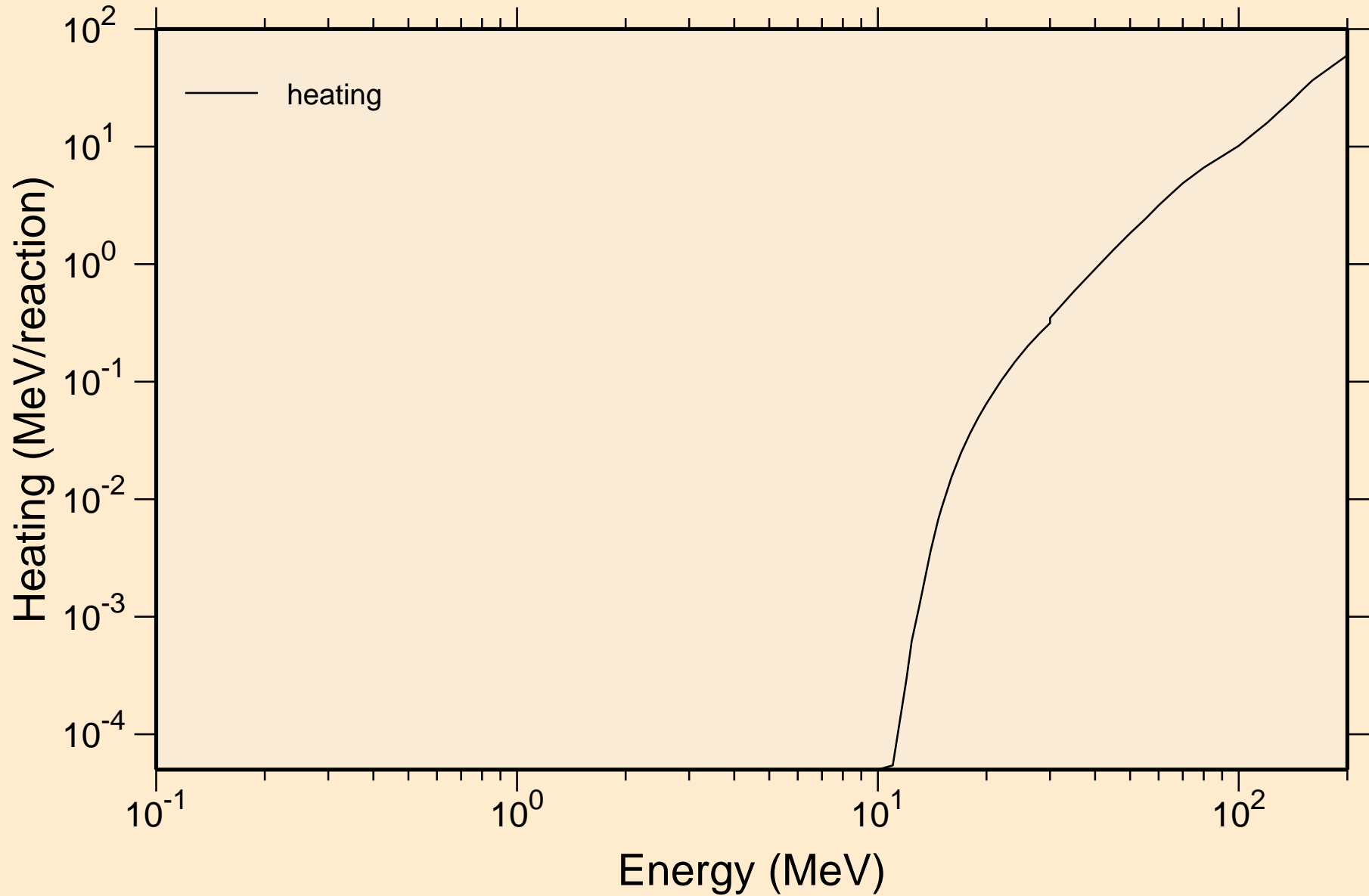


CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



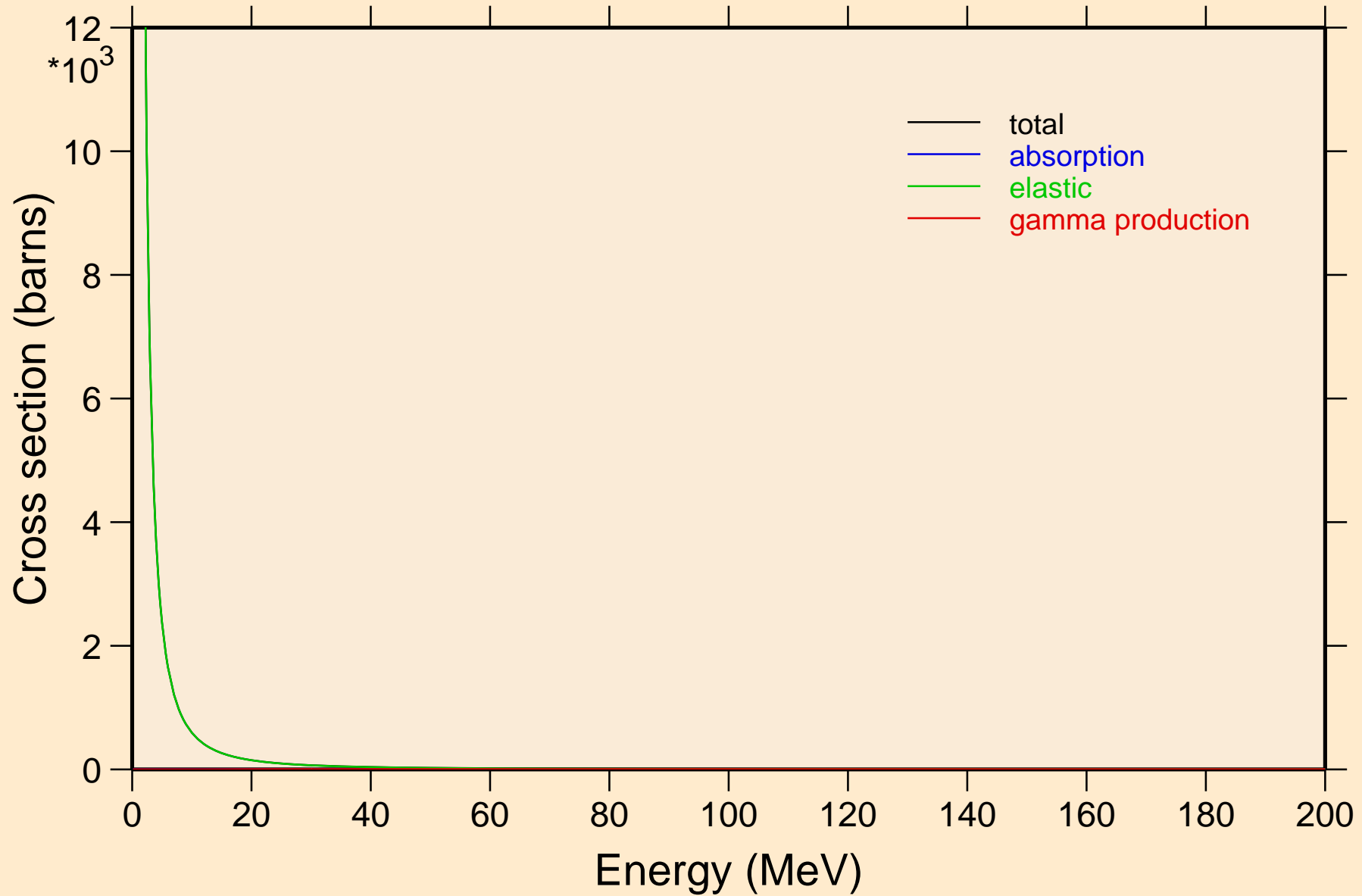
# CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Heating



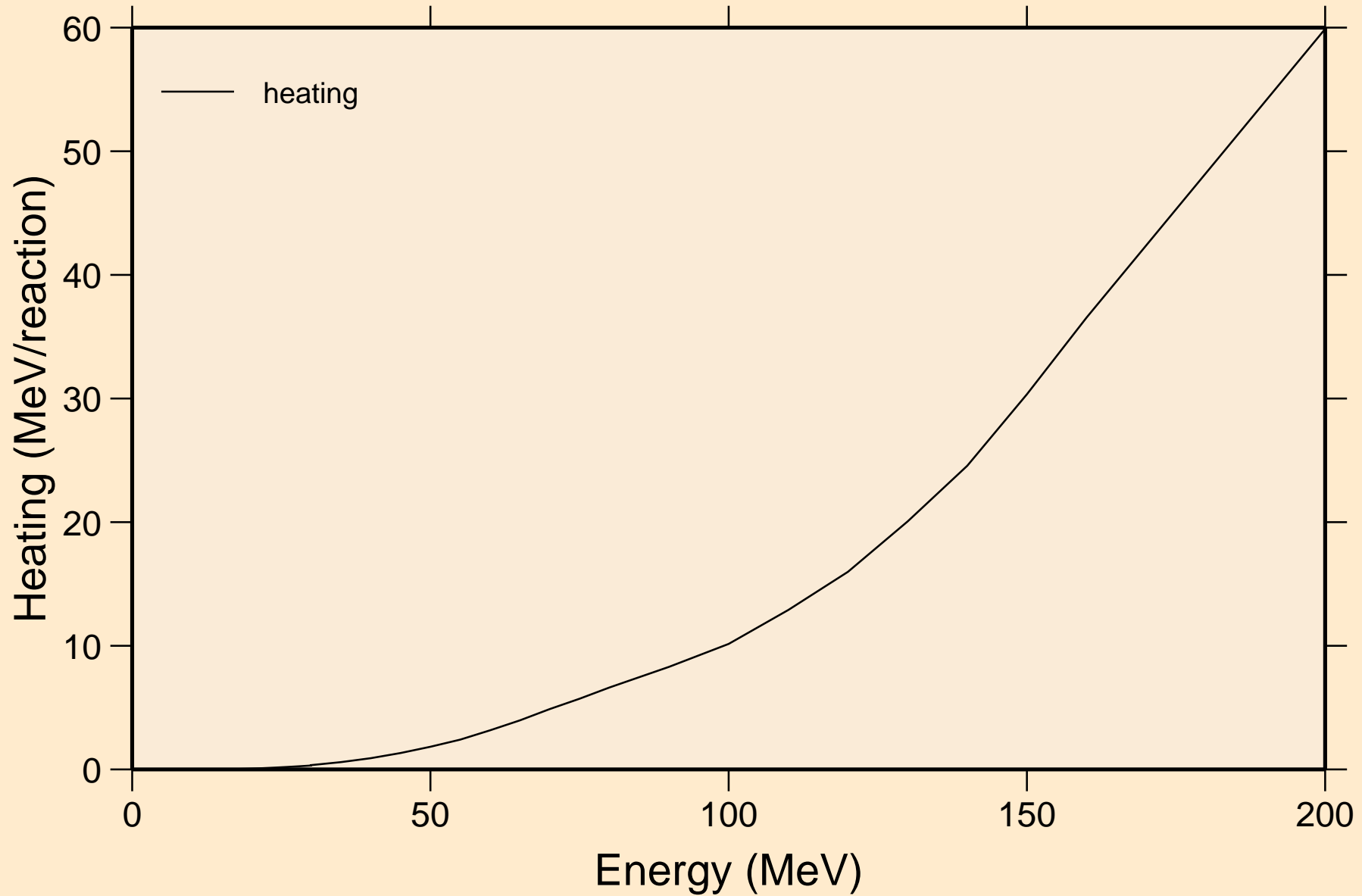
# CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



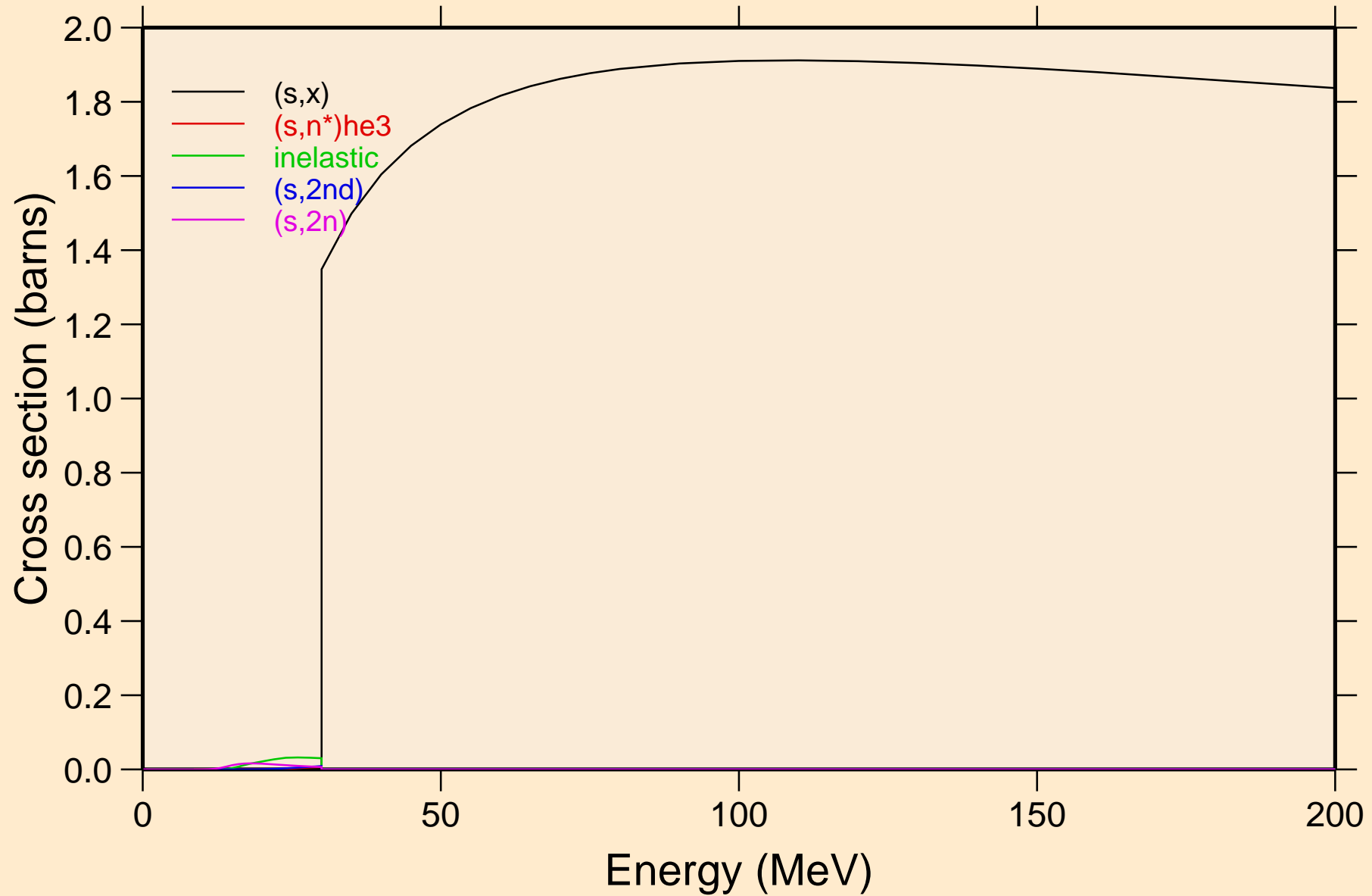
# CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Heating



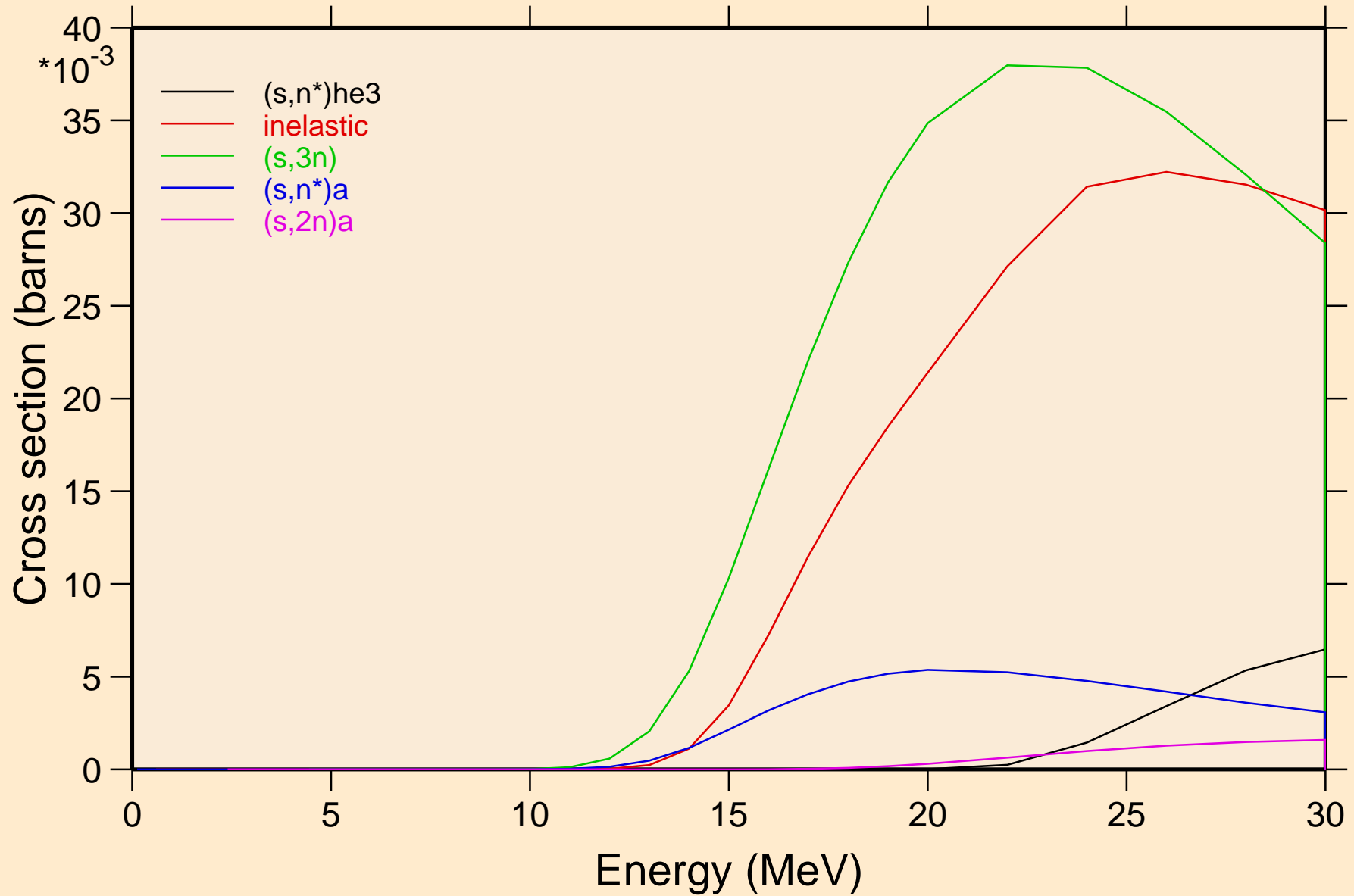
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## Threshold reactions



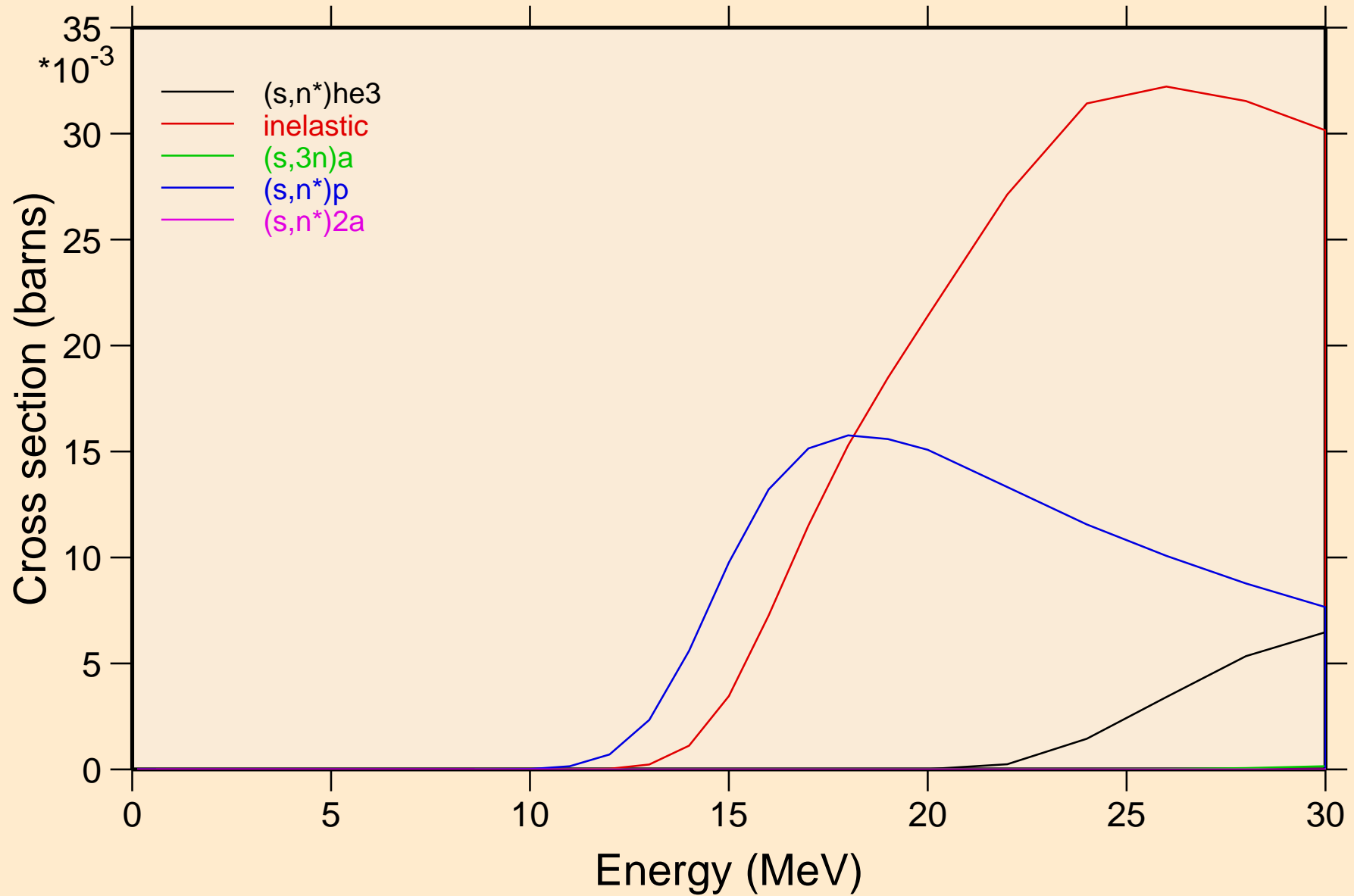
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## Threshold reactions



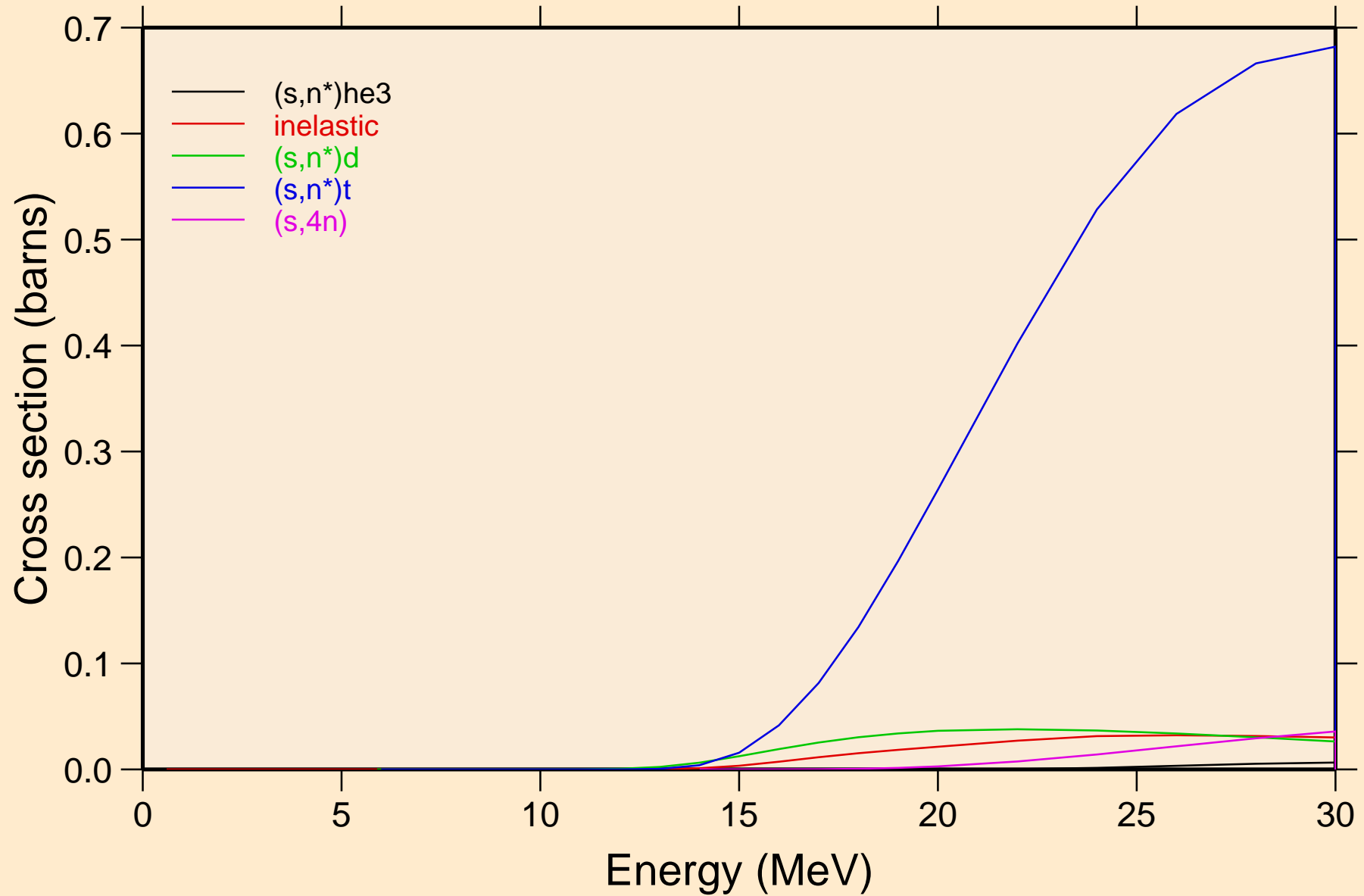
# CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



# CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K

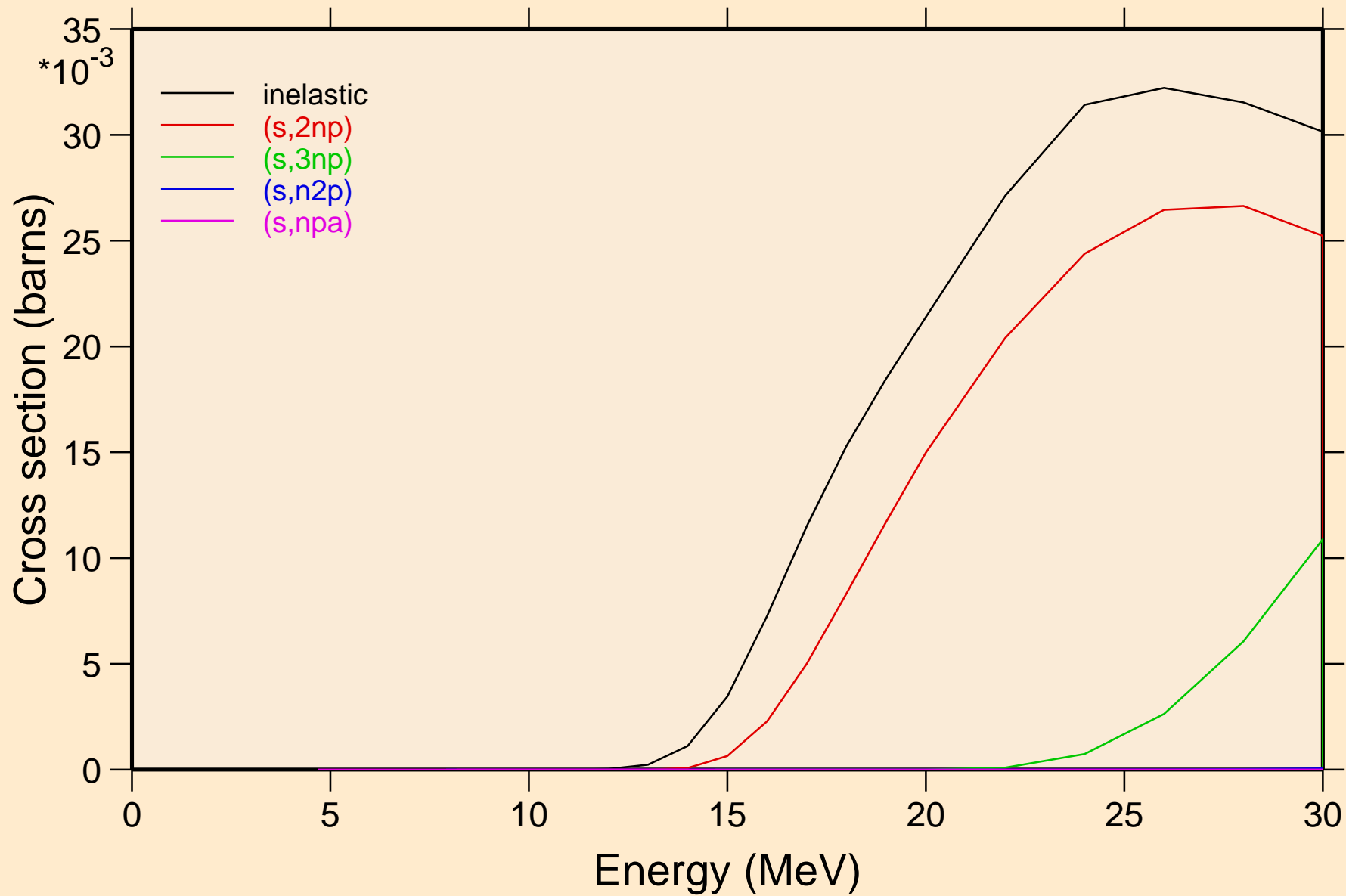
## Threshold reactions





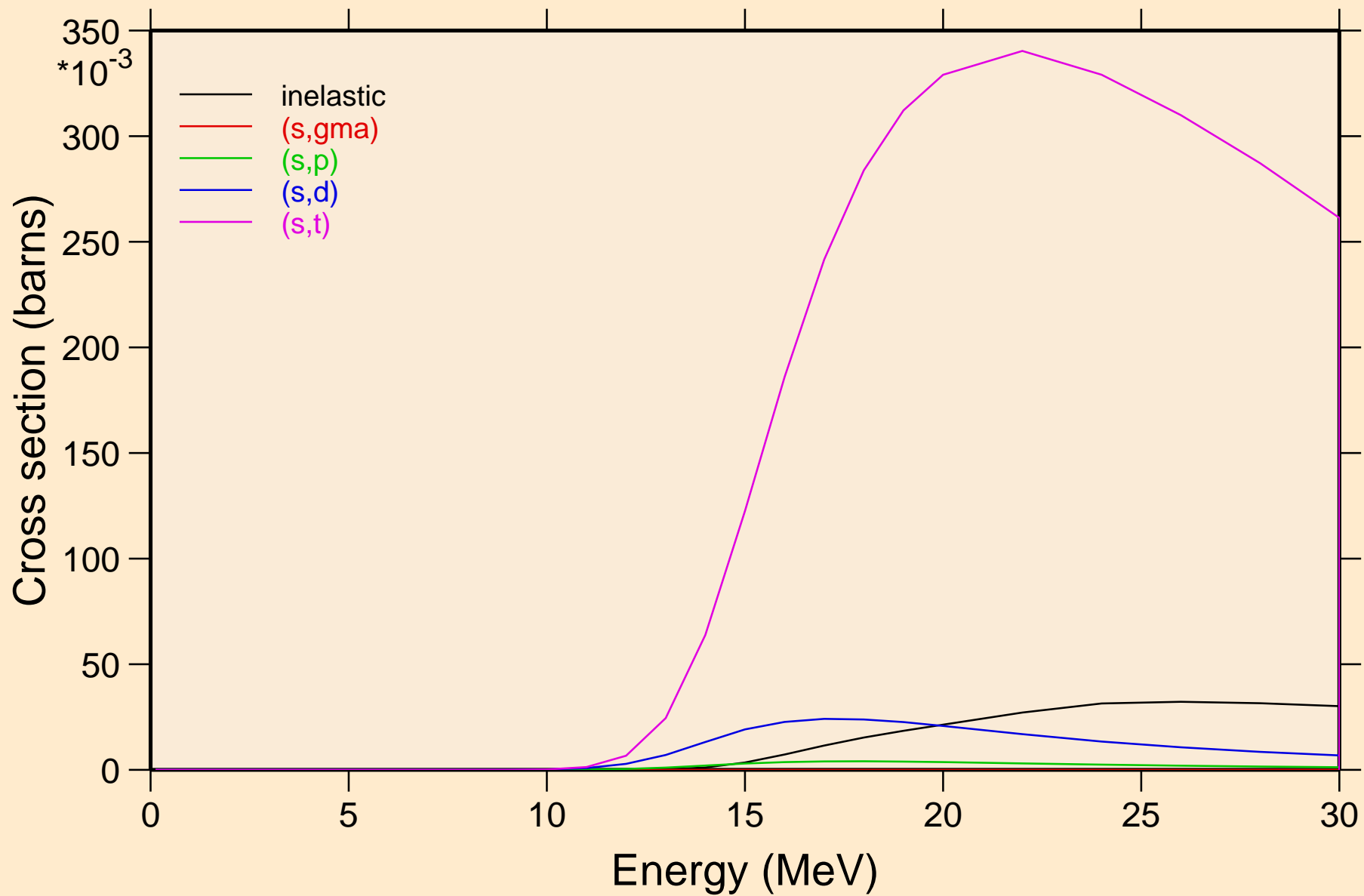
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## Threshold reactions

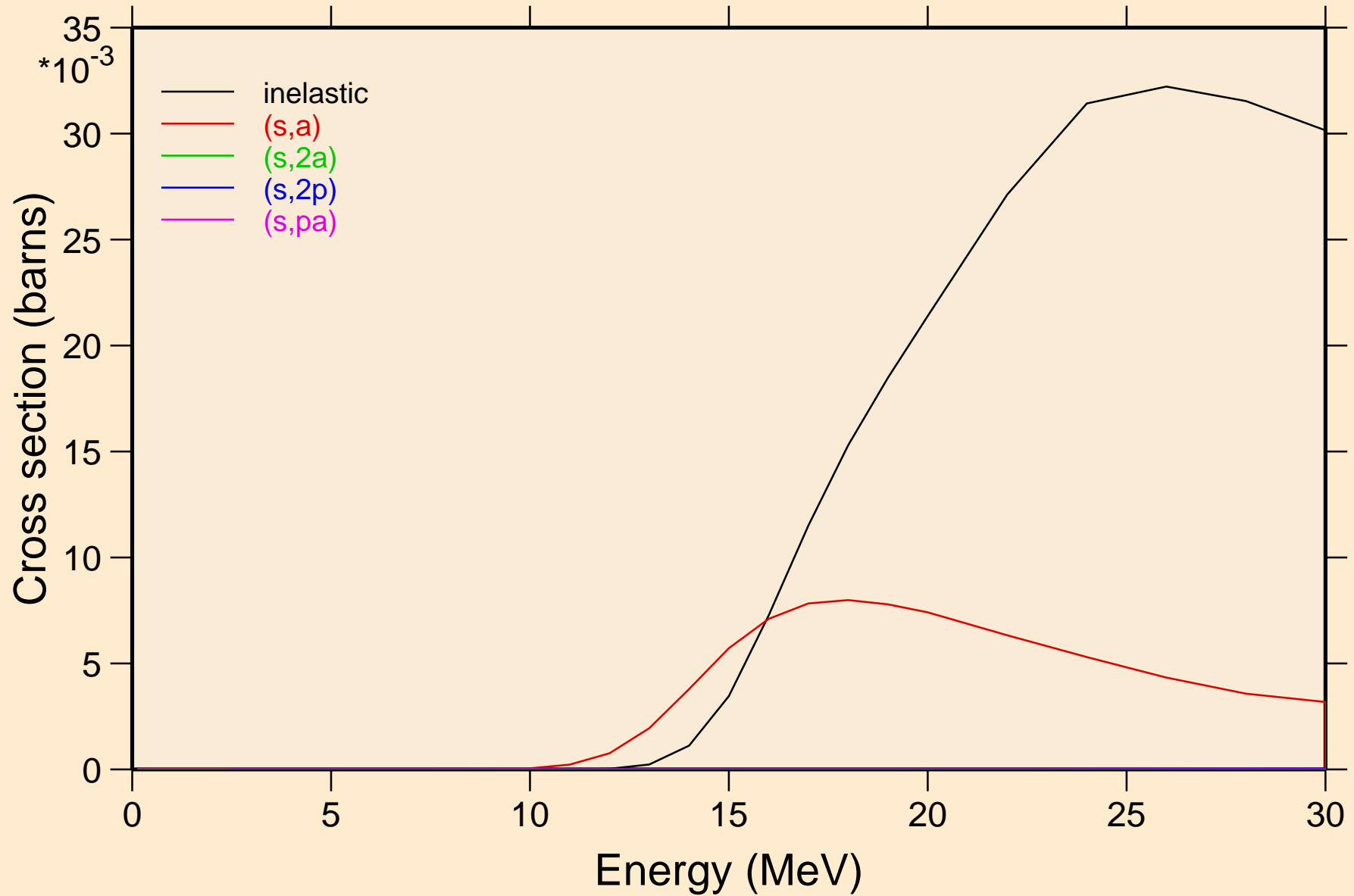


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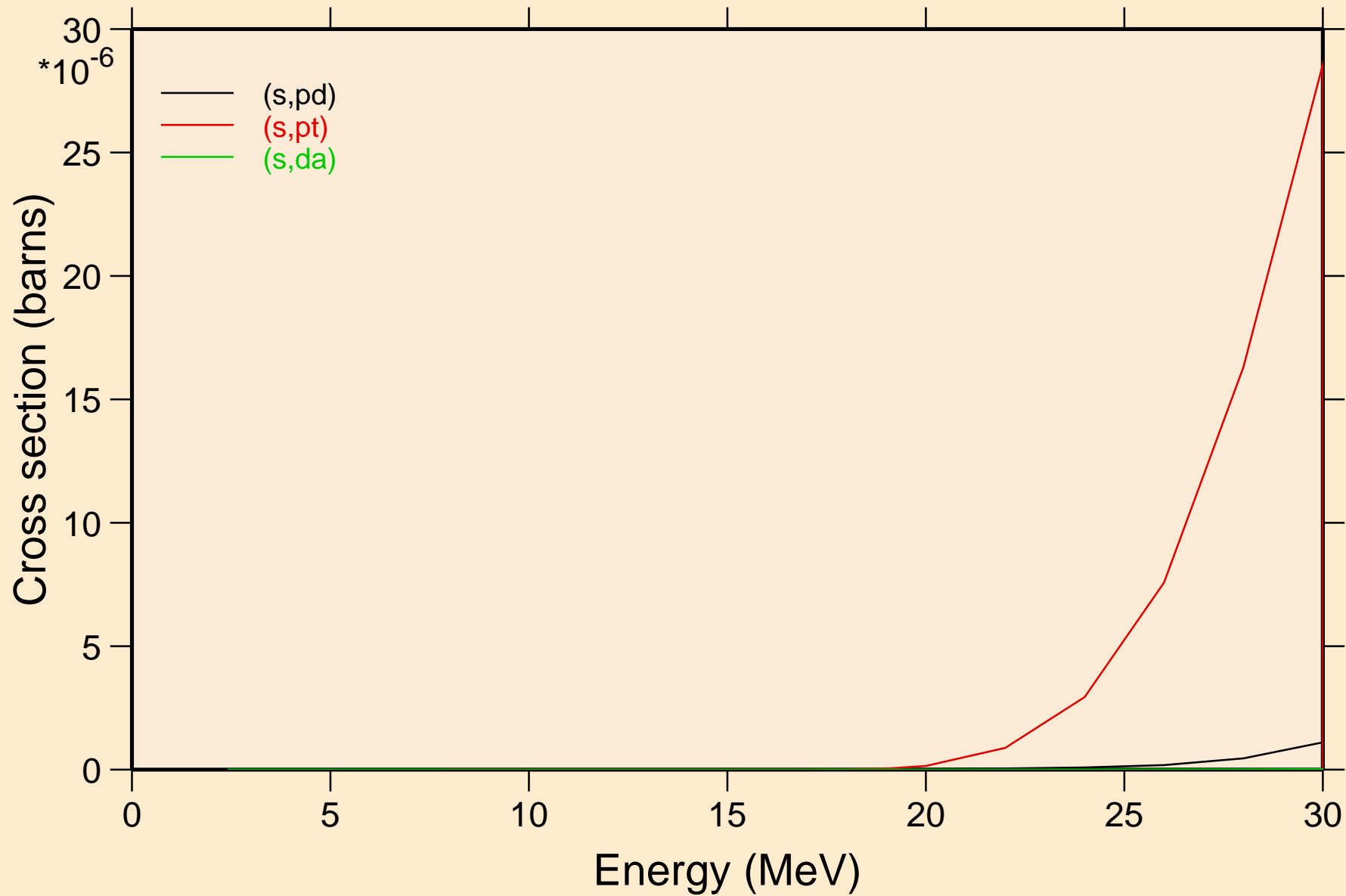
## Threshold reactions



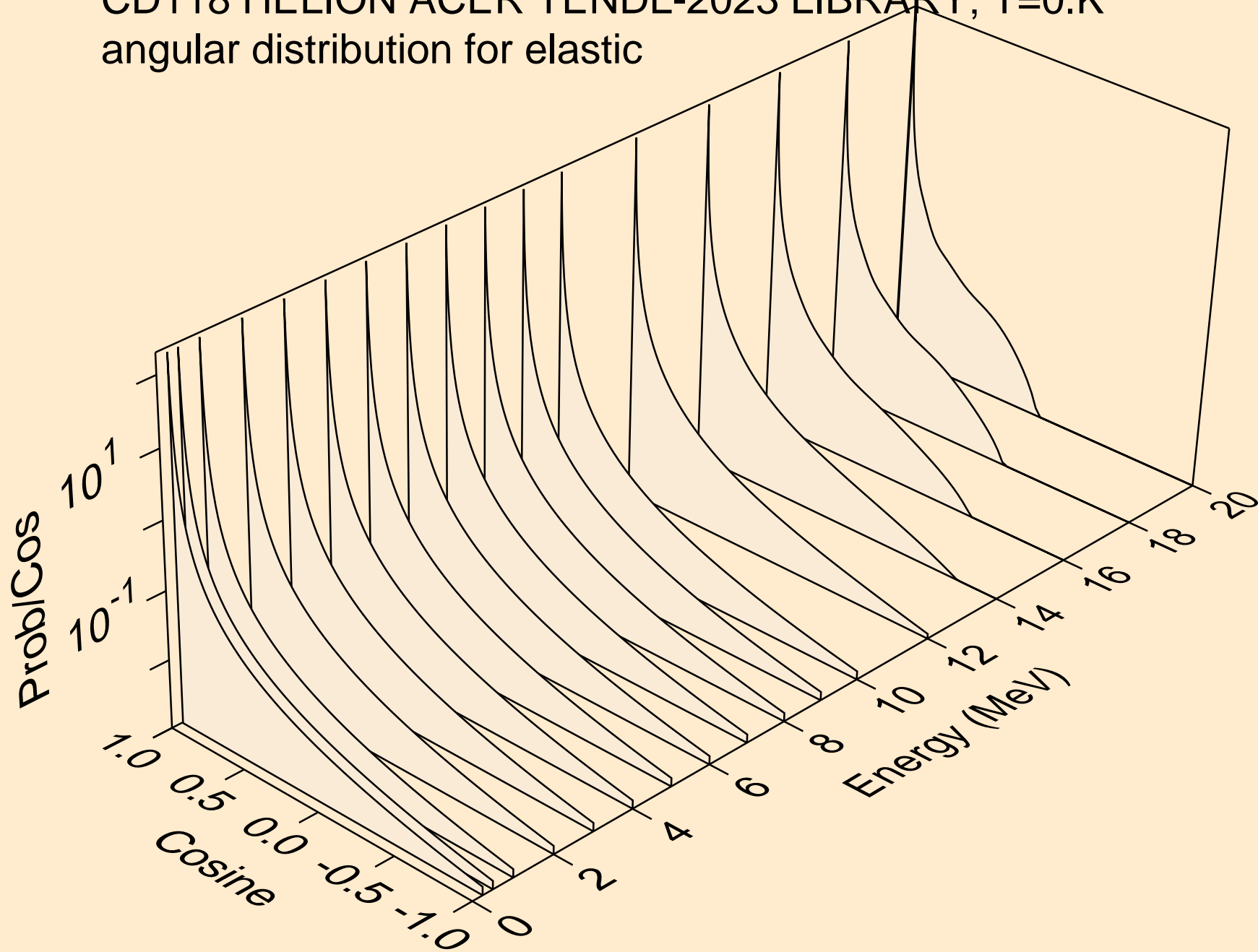
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



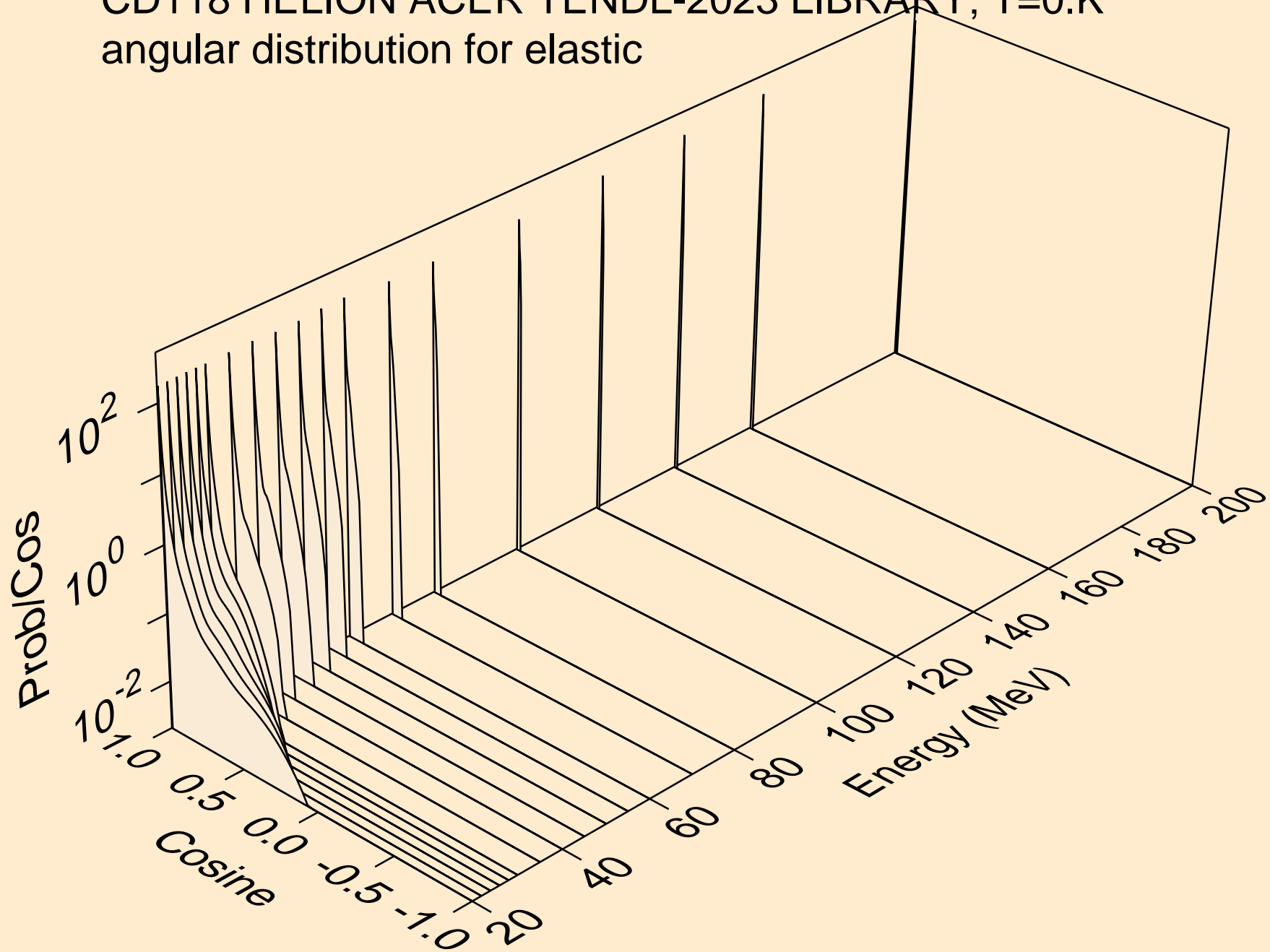
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



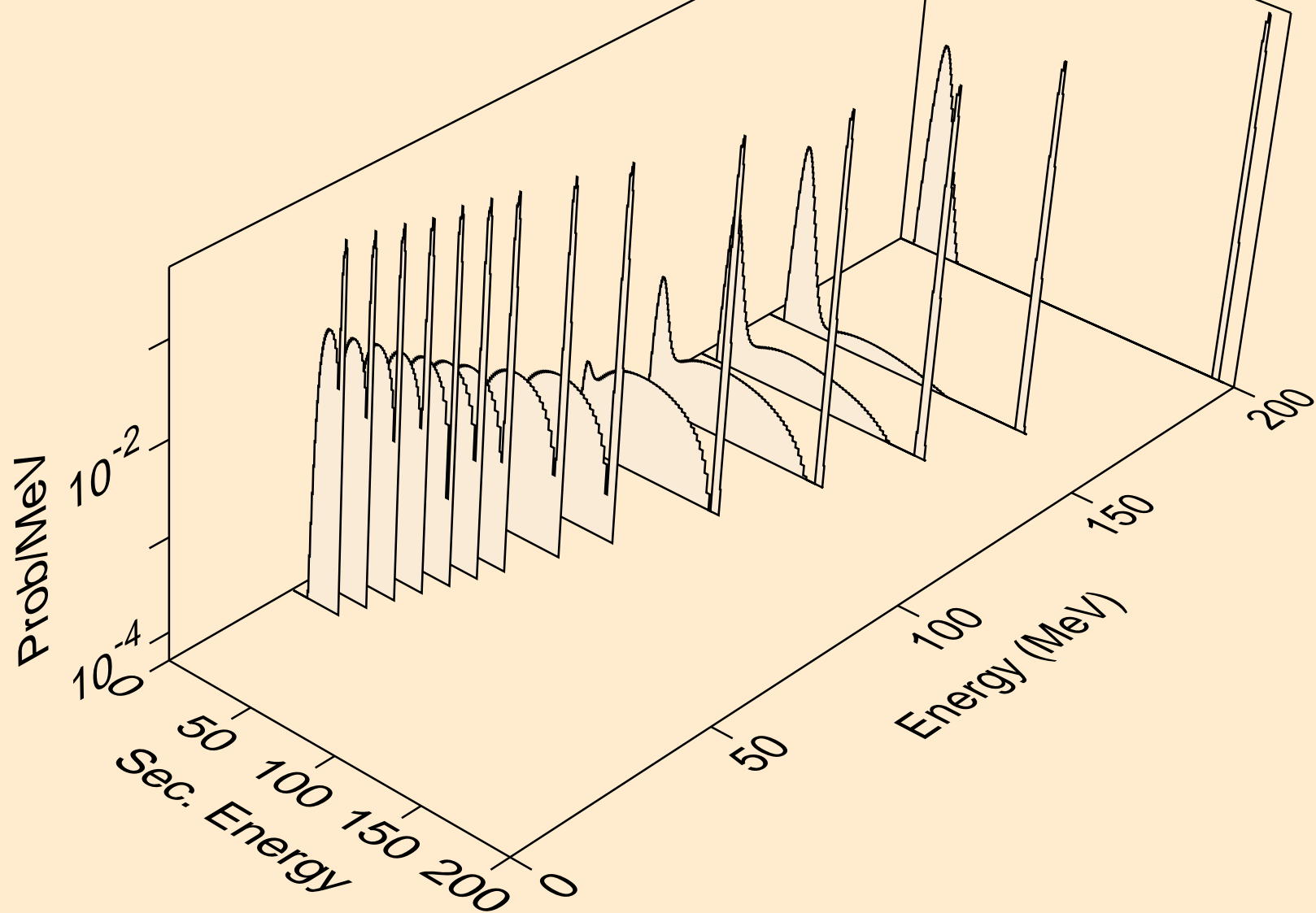
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



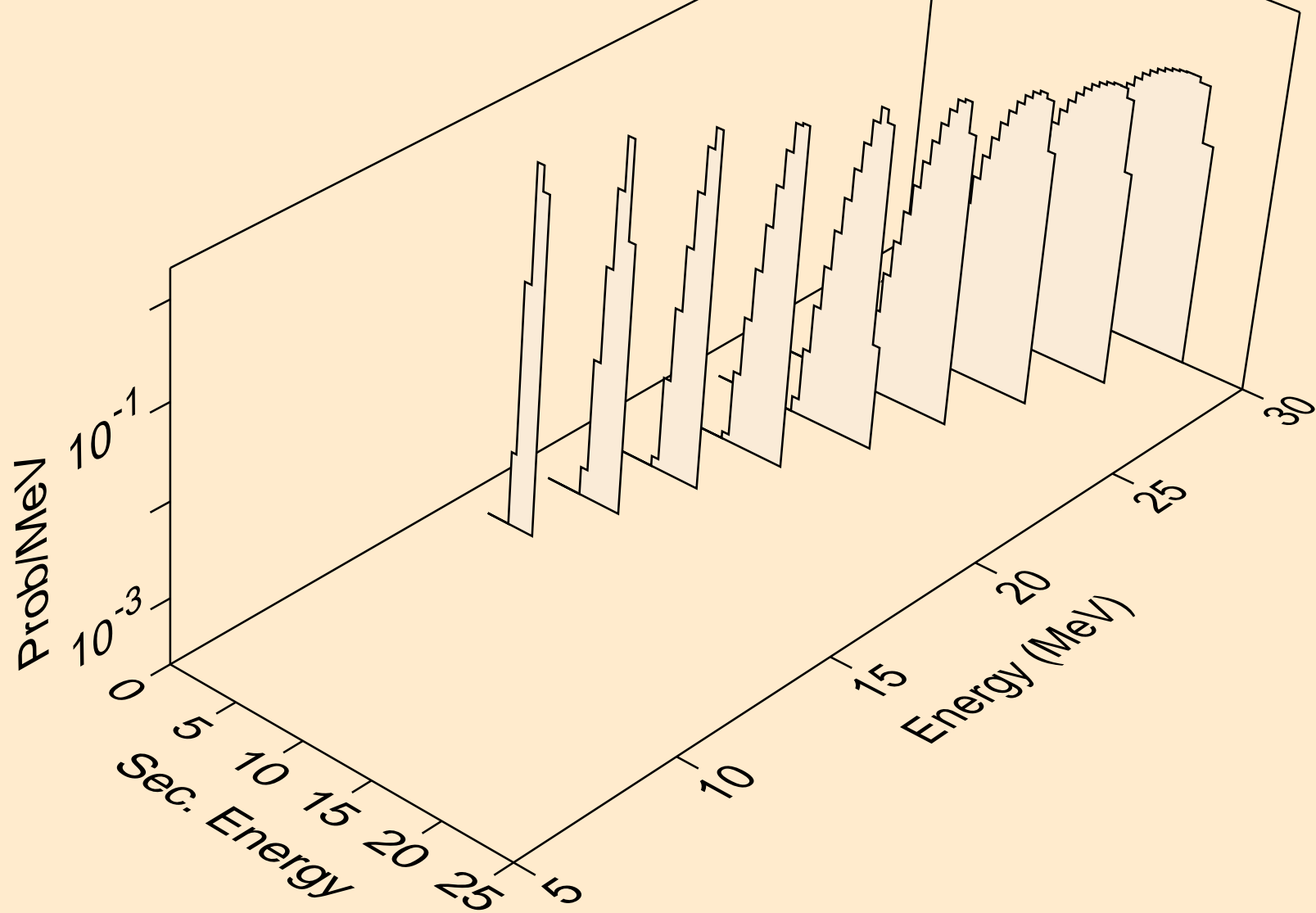
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)

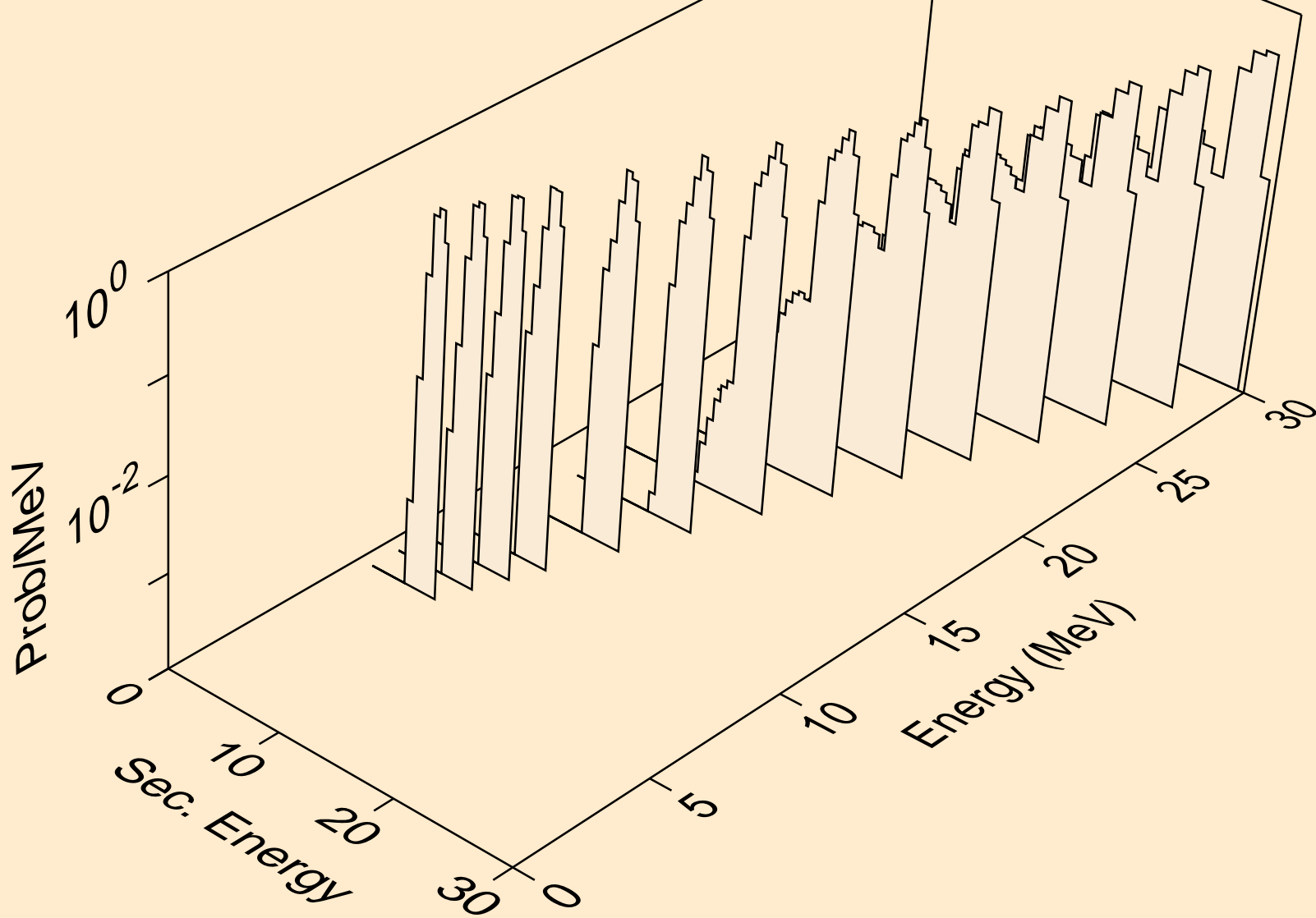


CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

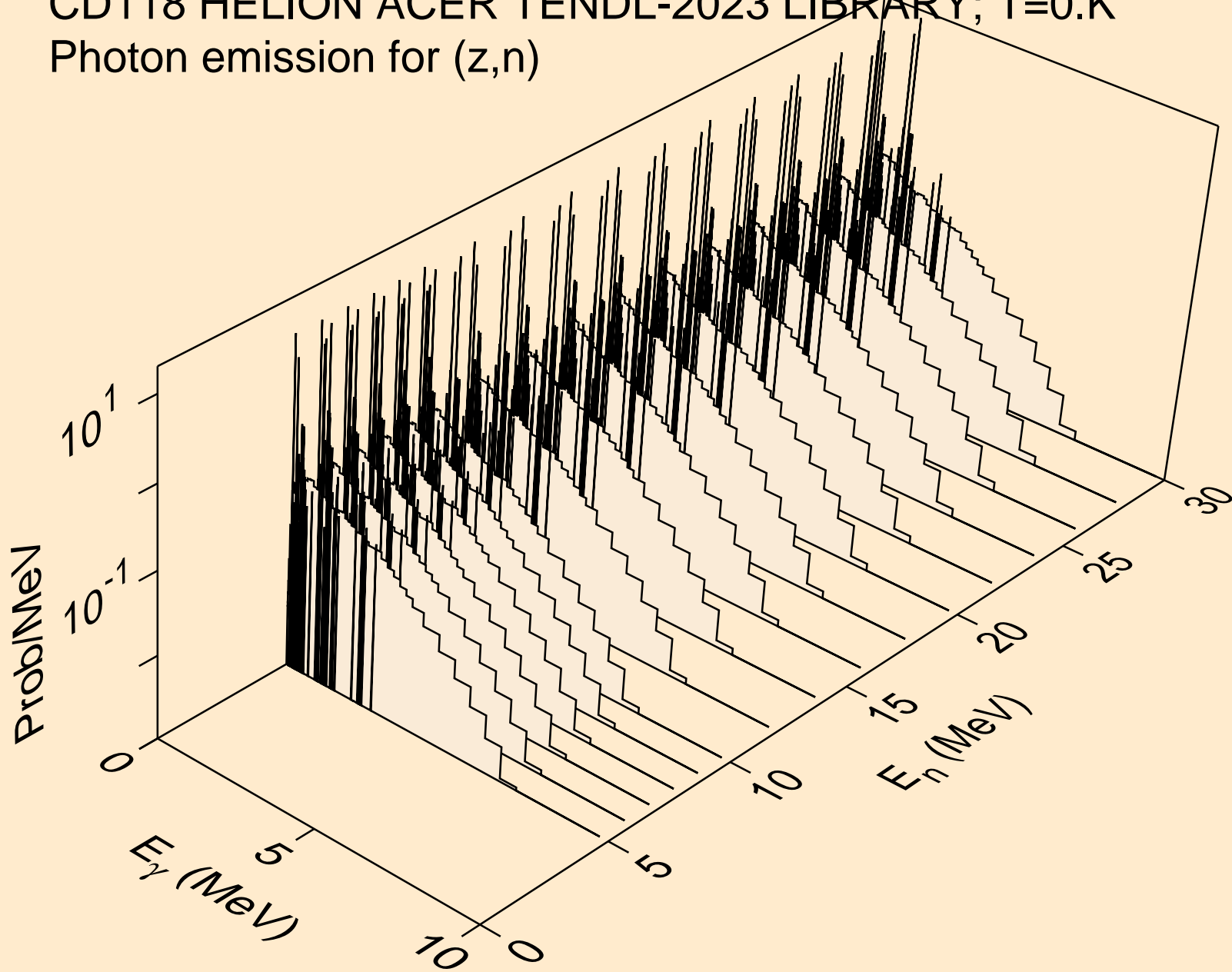




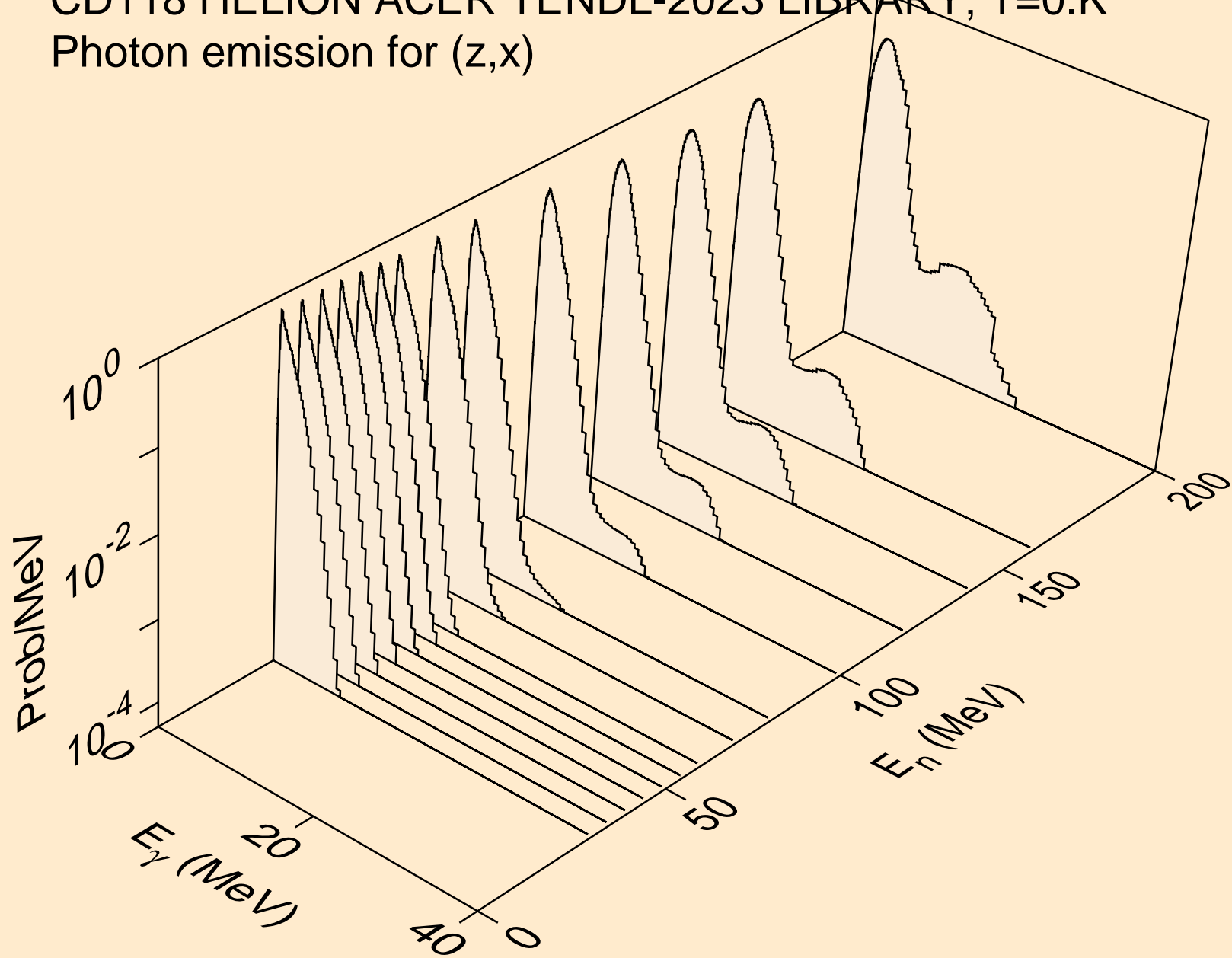
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic



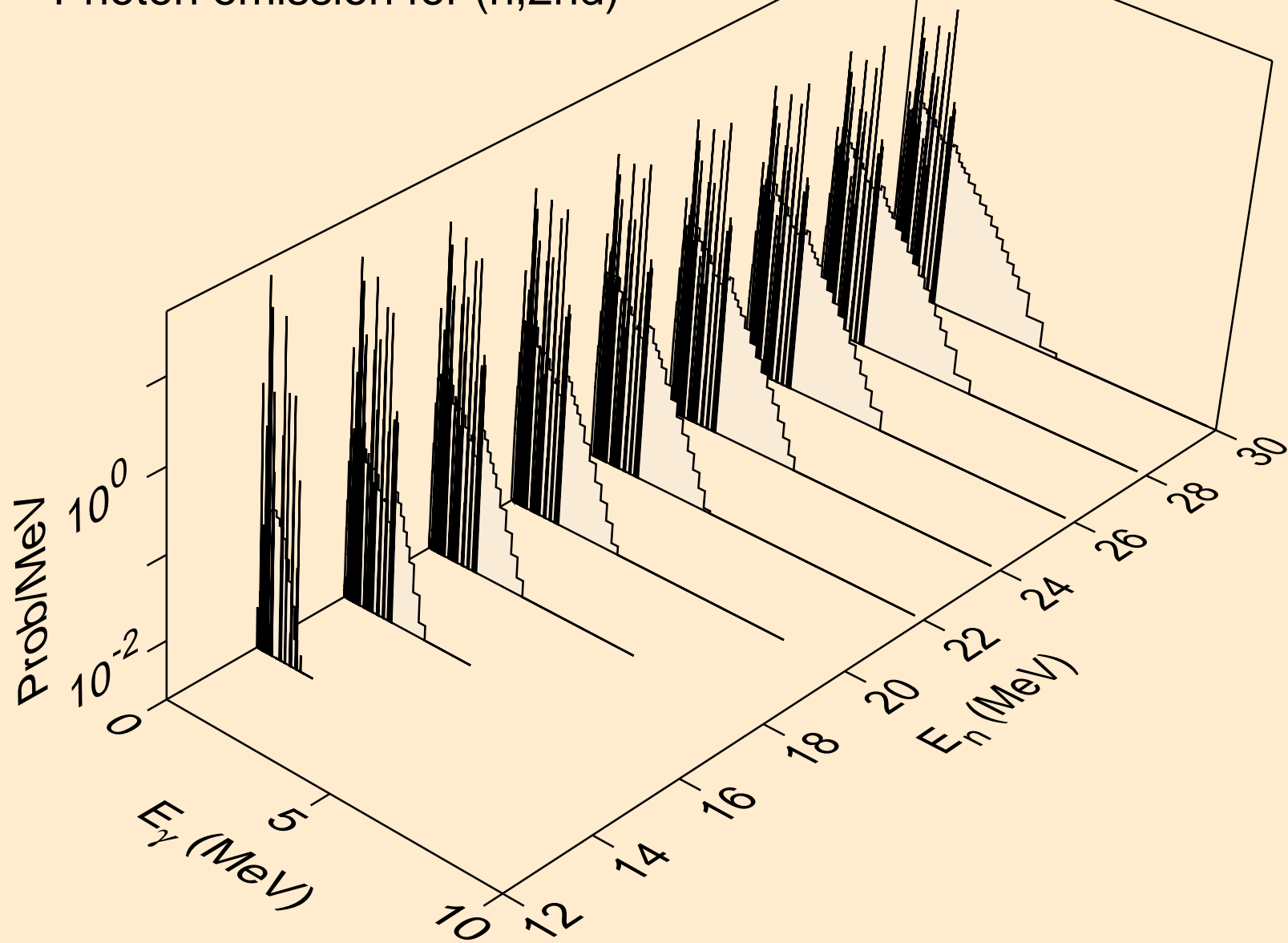
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



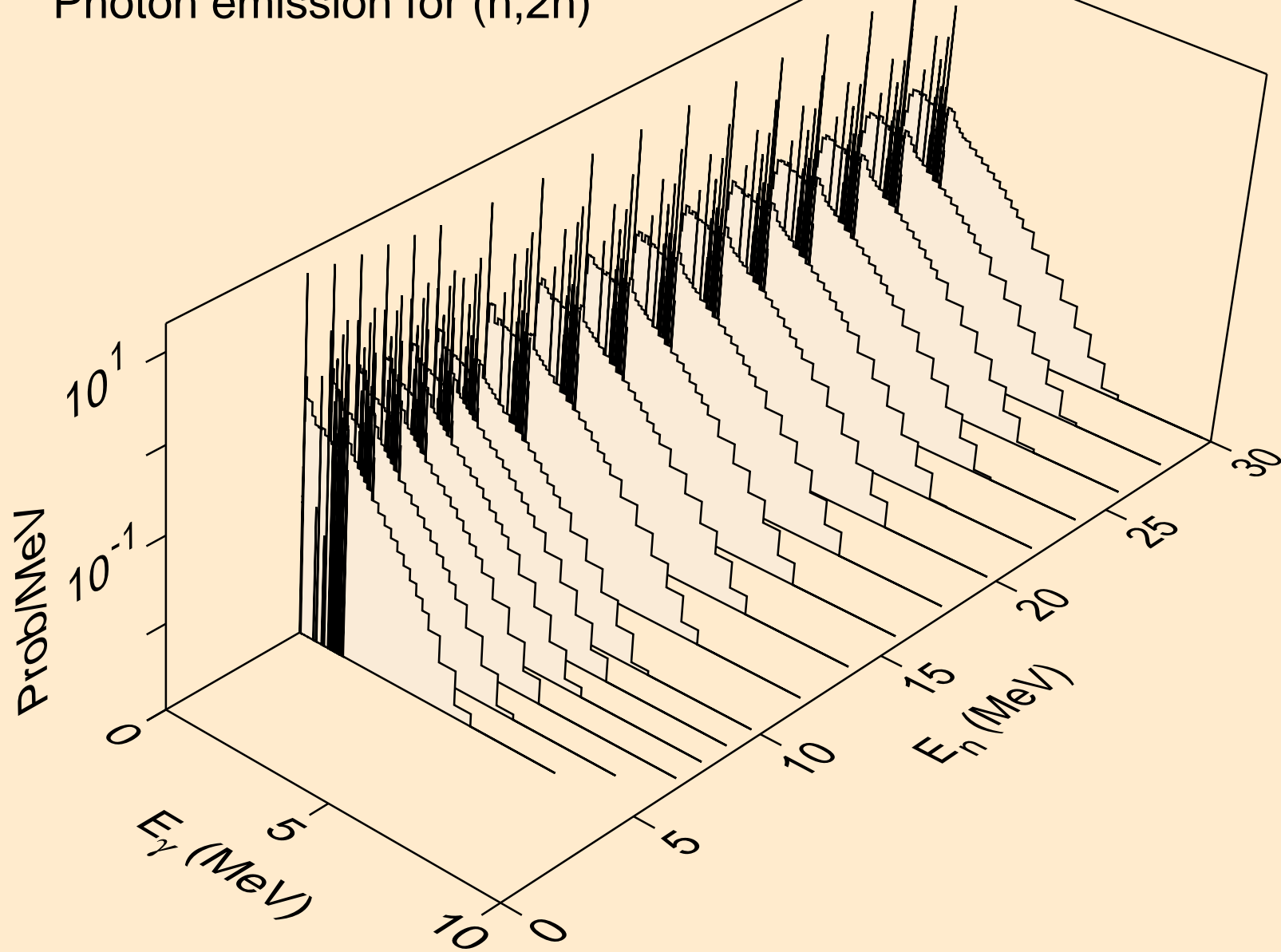
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



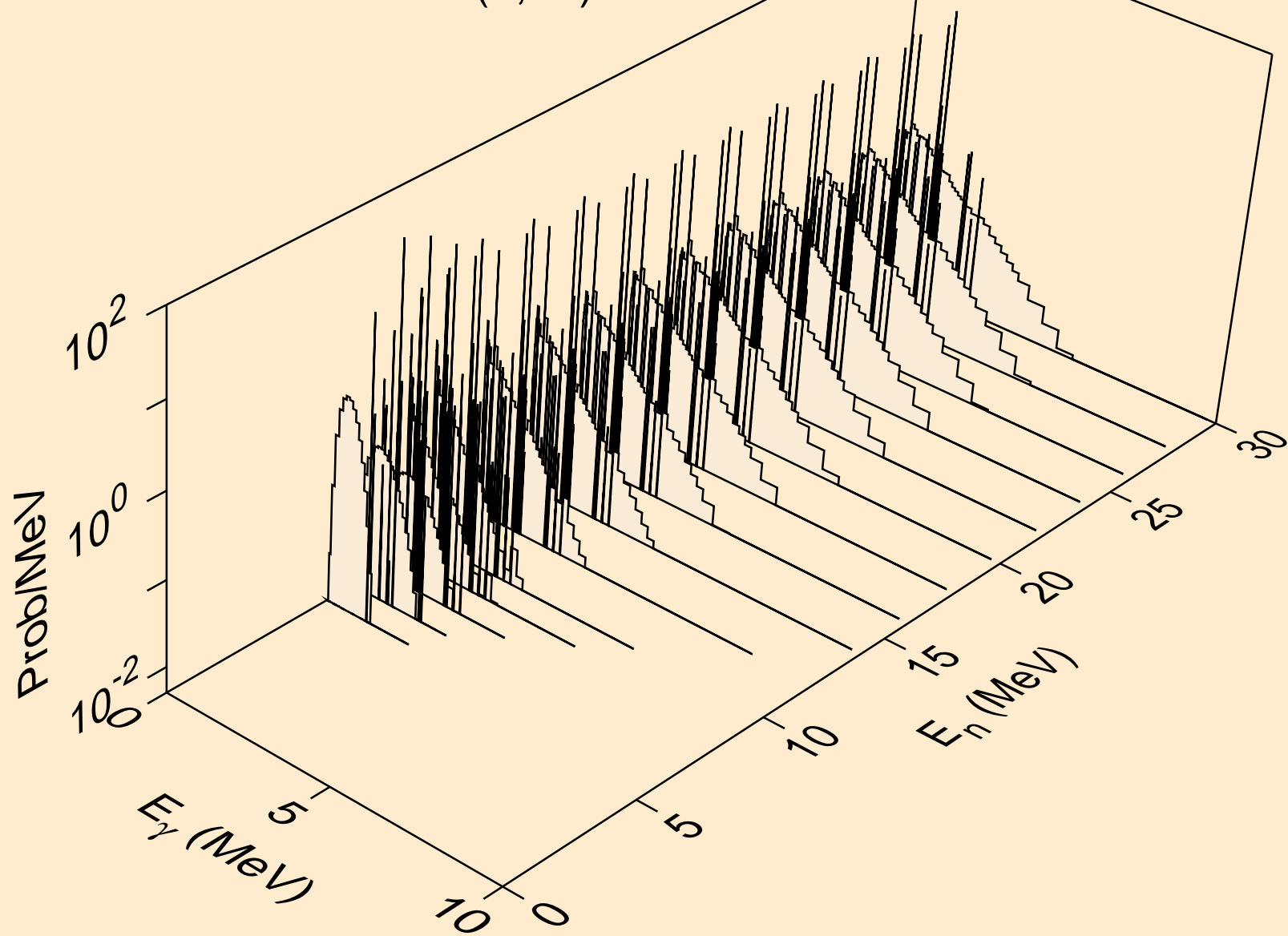
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



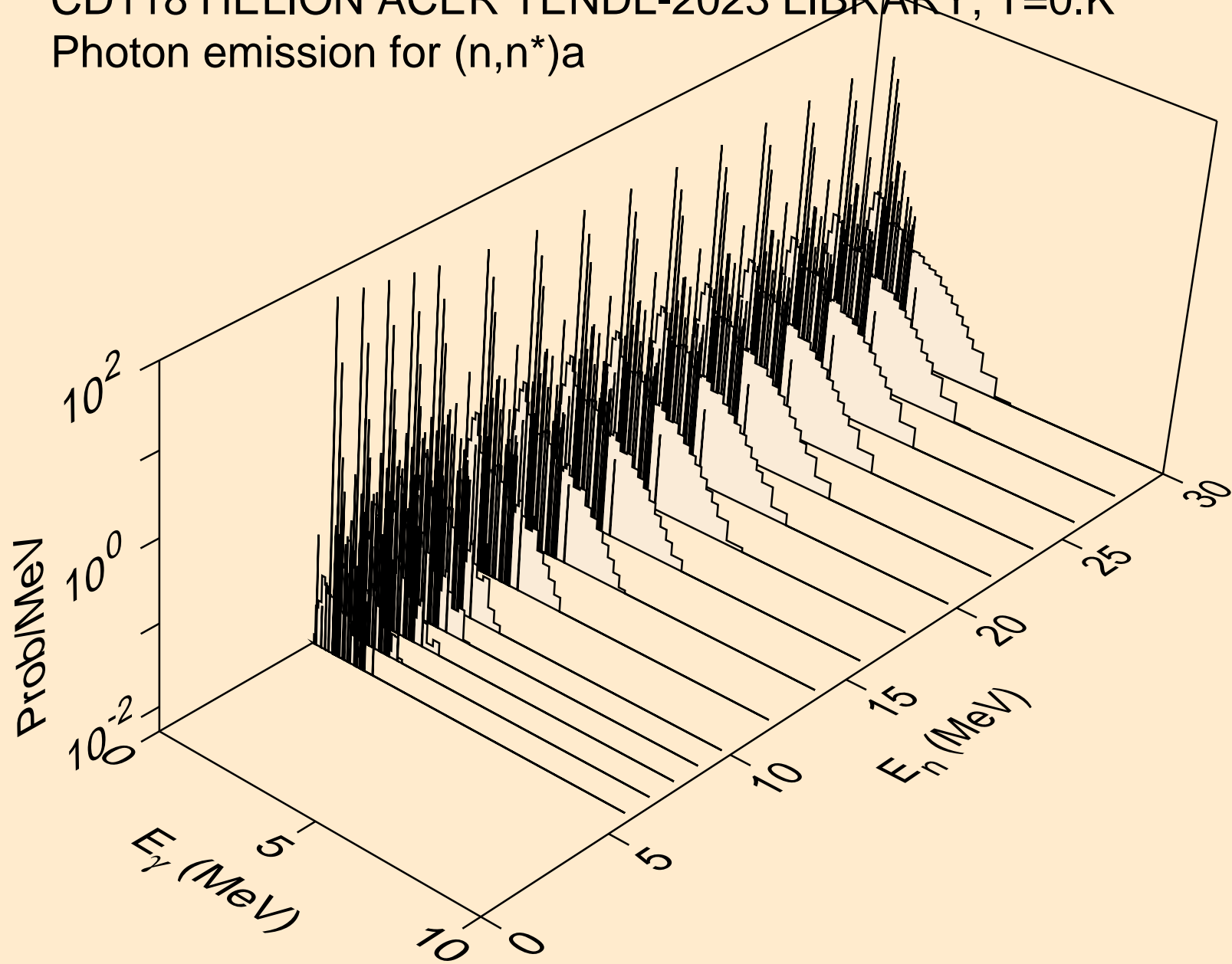
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



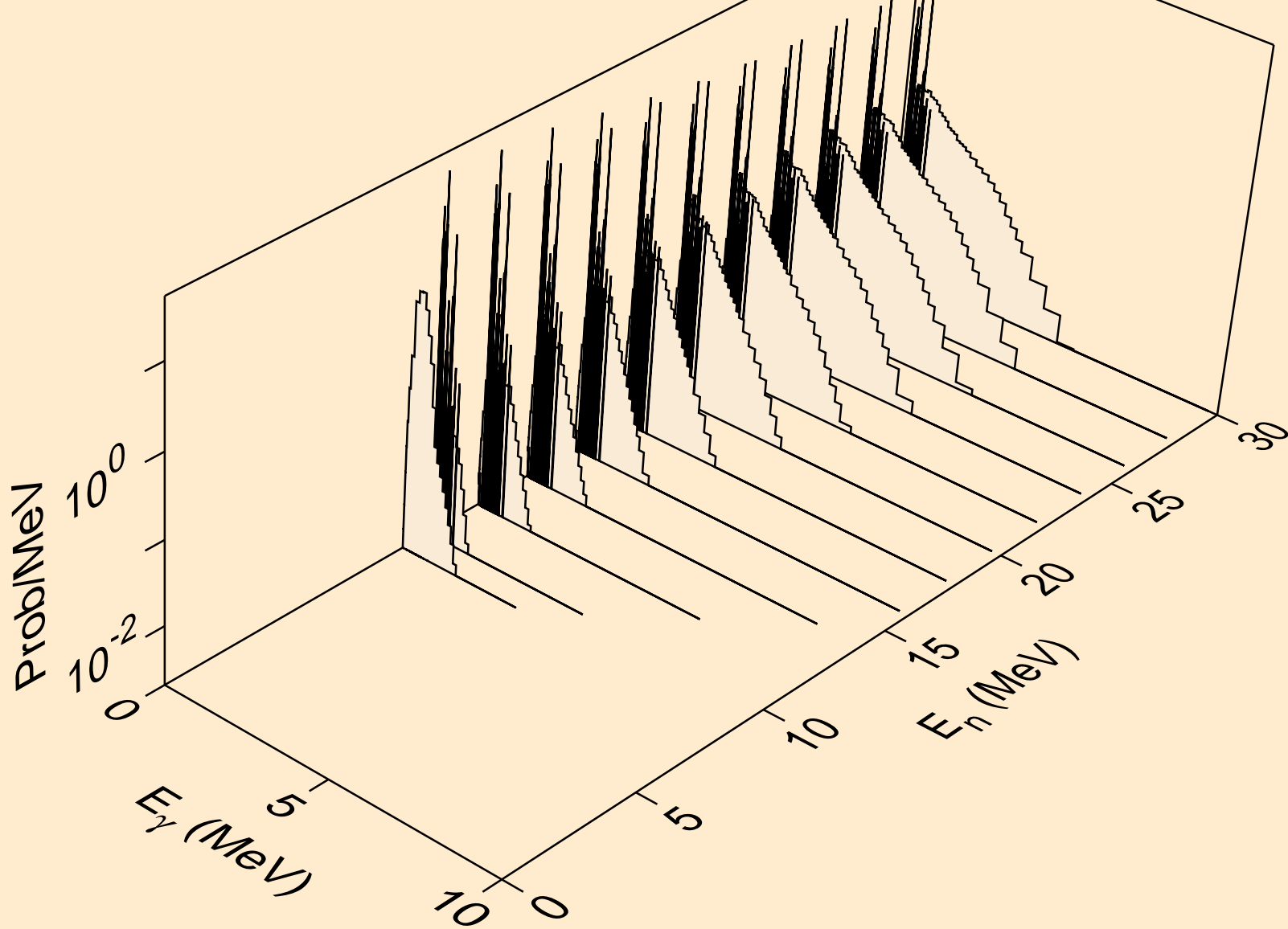
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

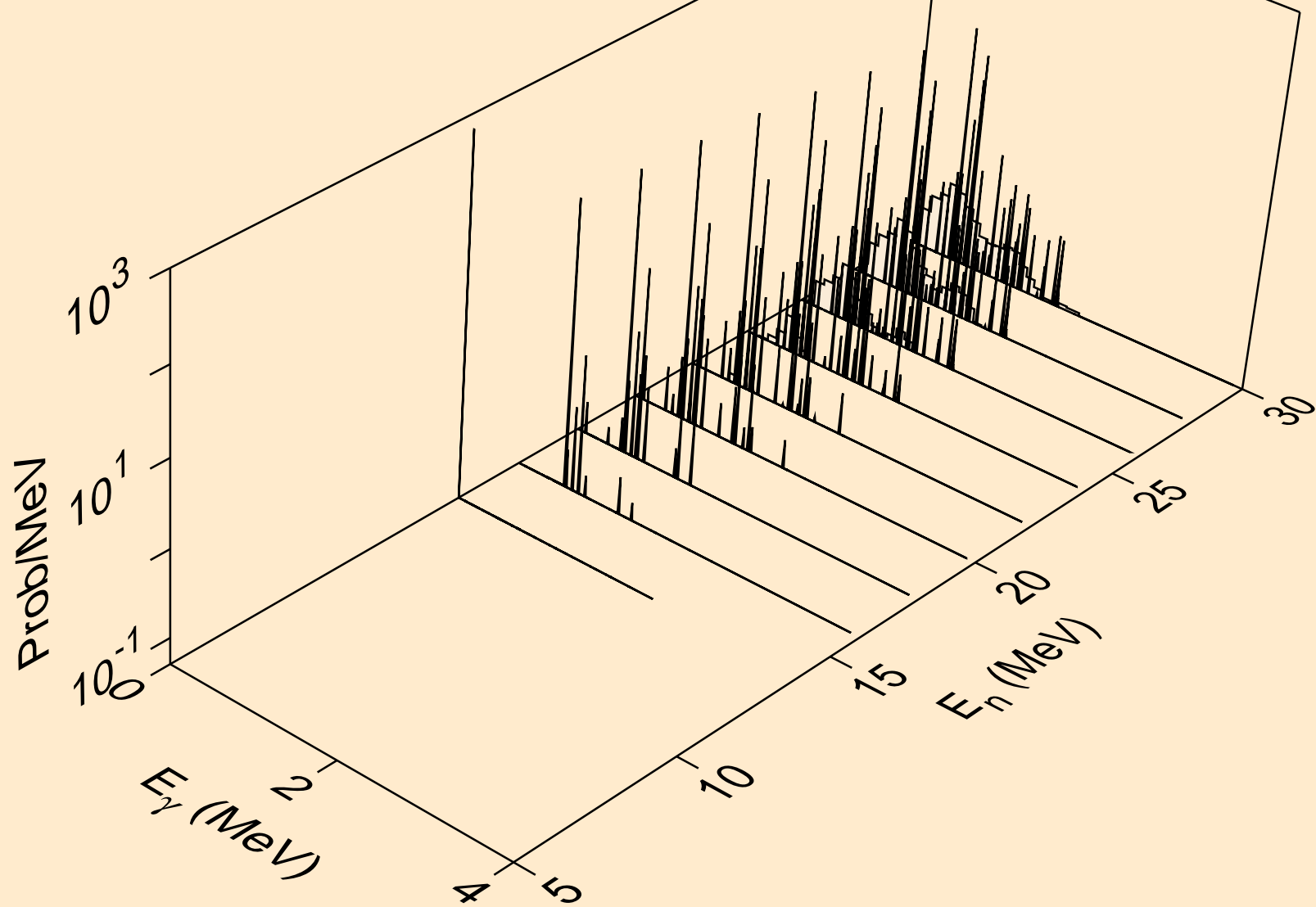


CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

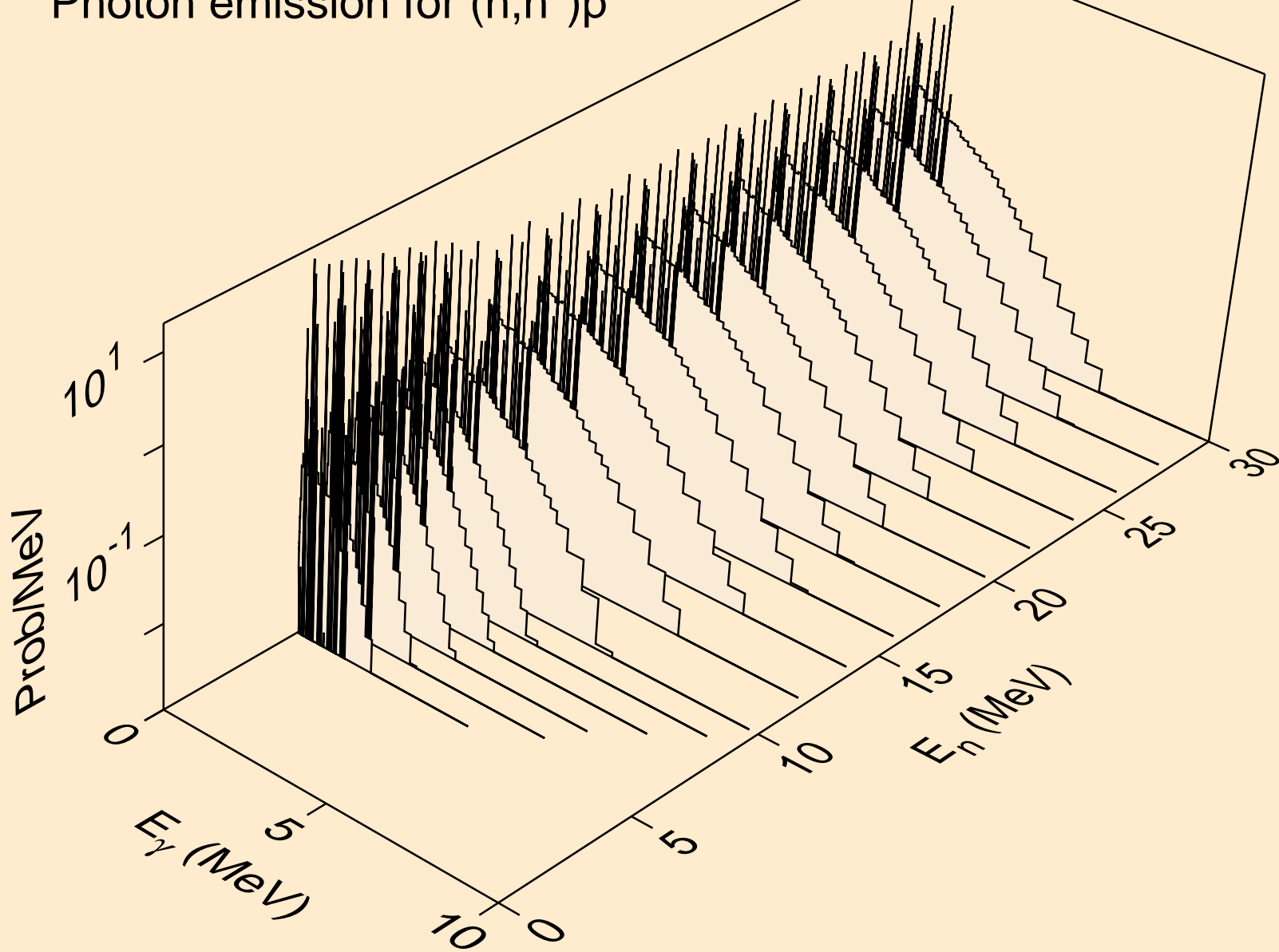




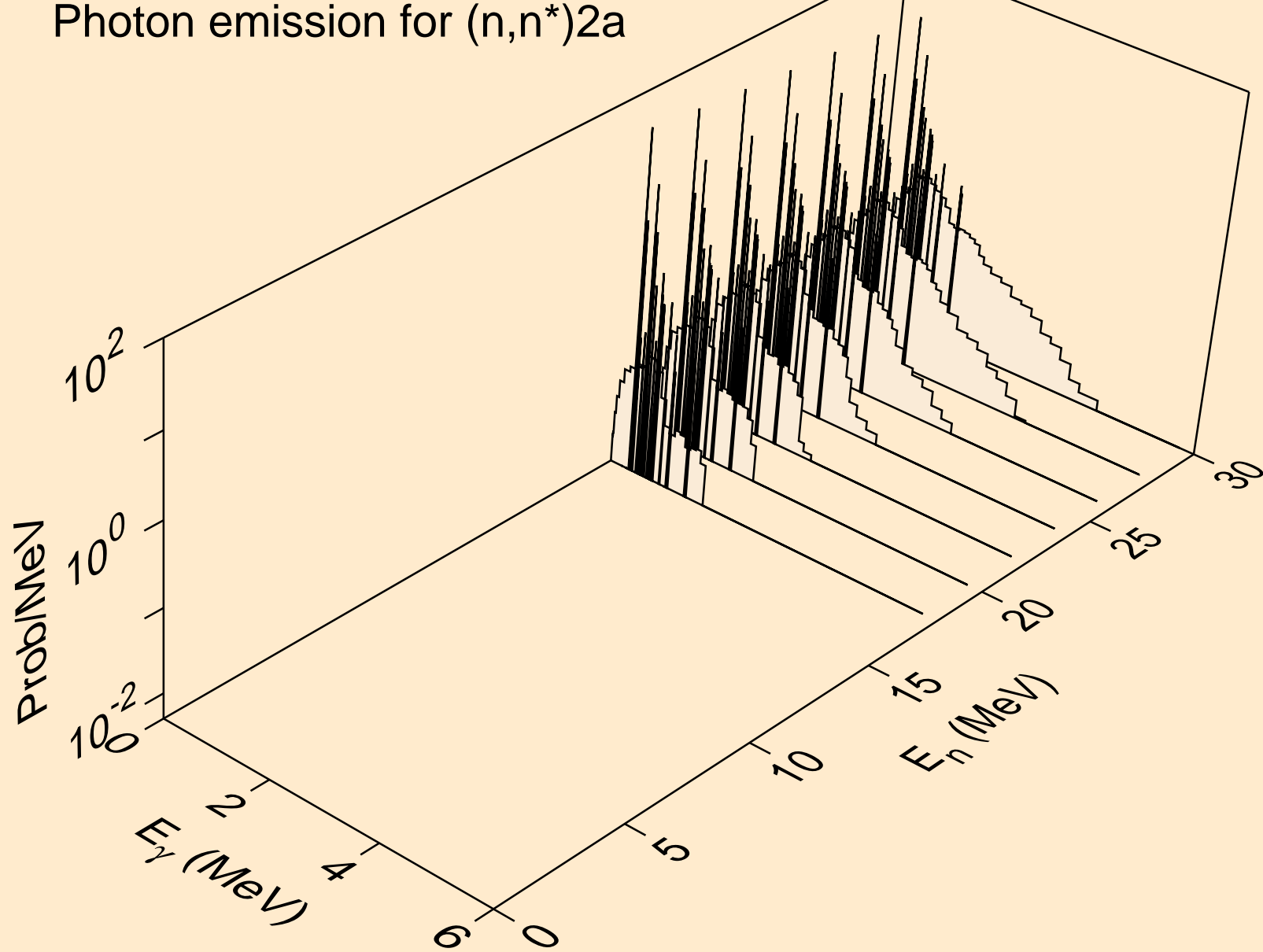
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



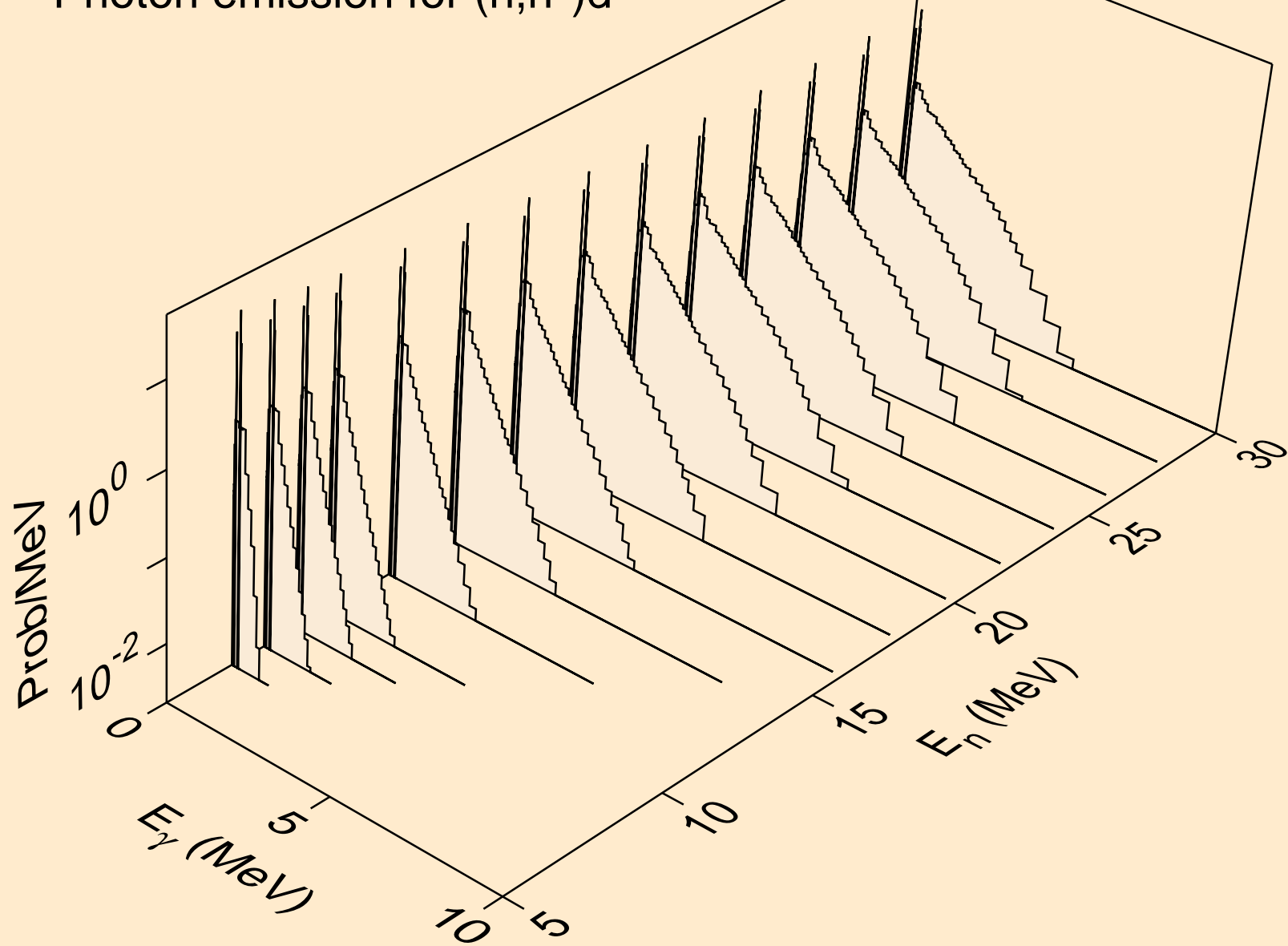
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



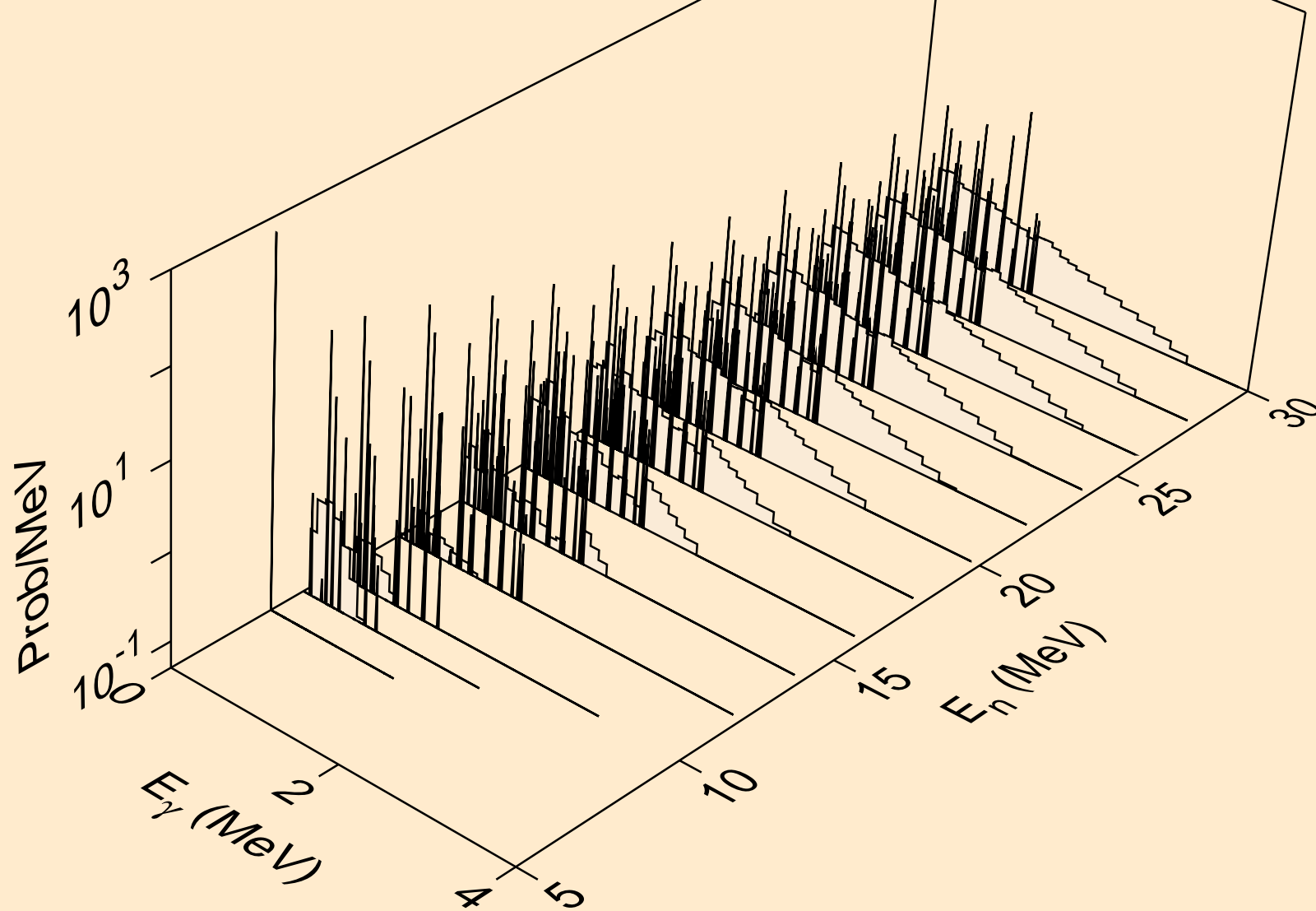
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Photon emission for (n,n\*)2a



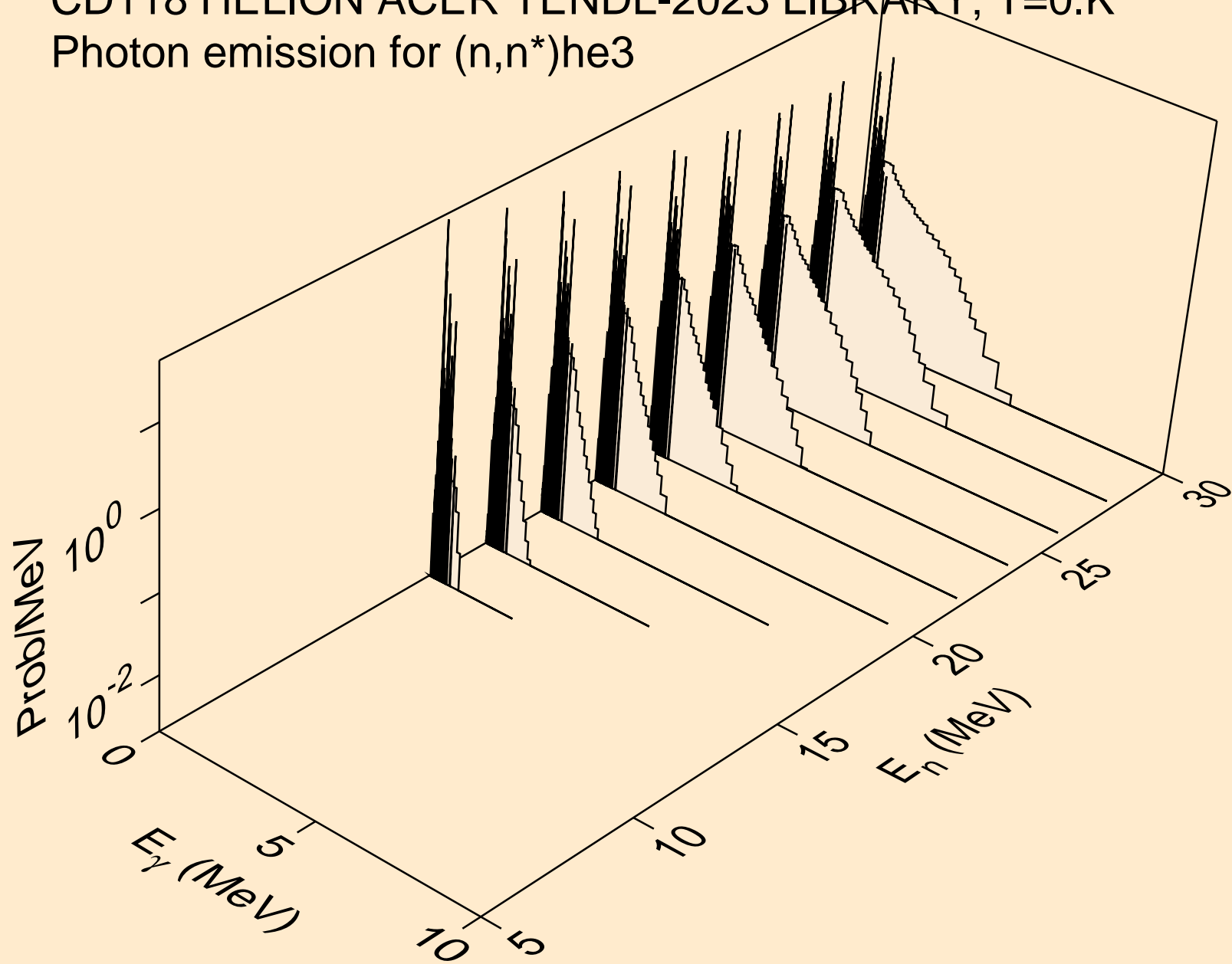
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



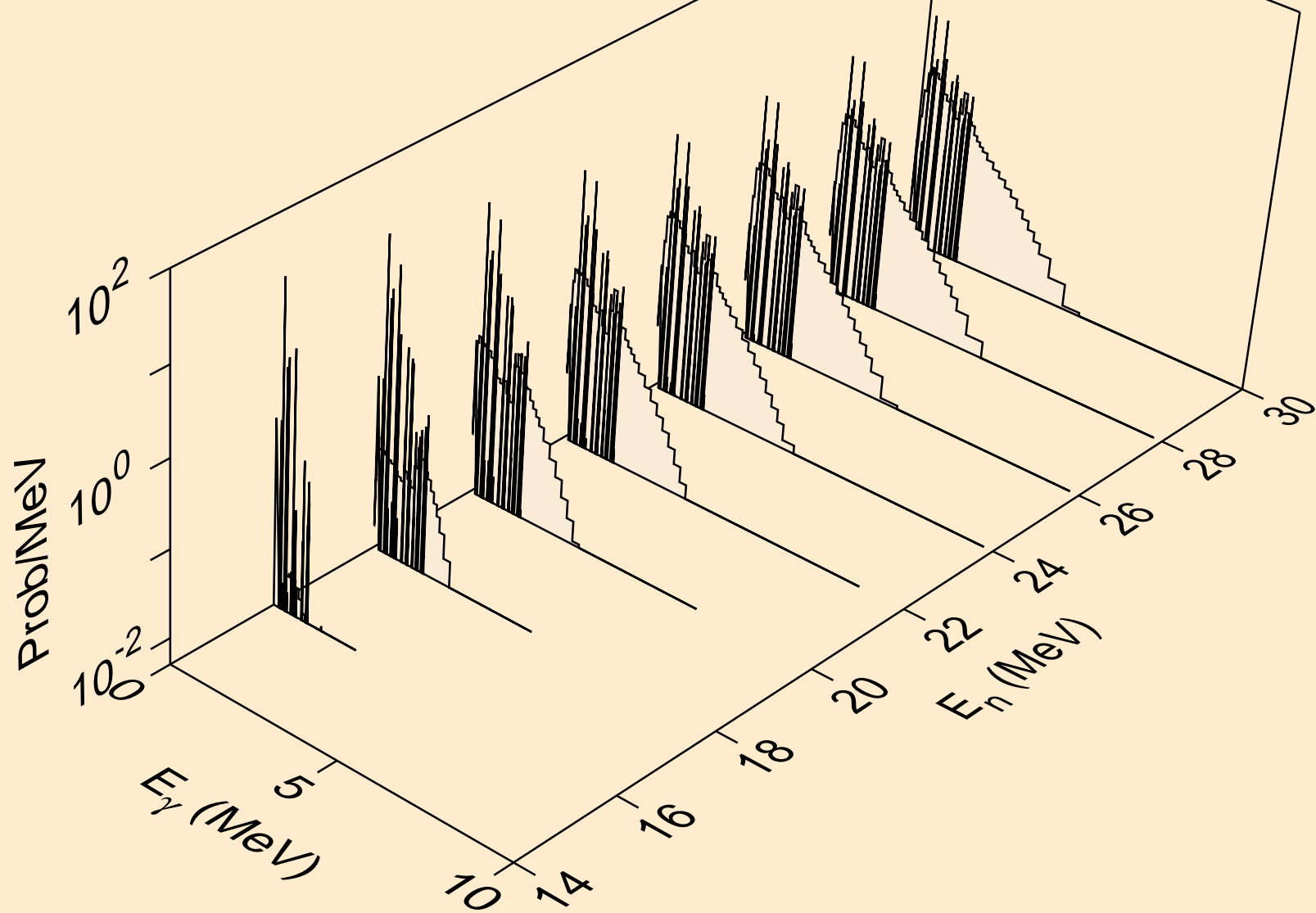
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



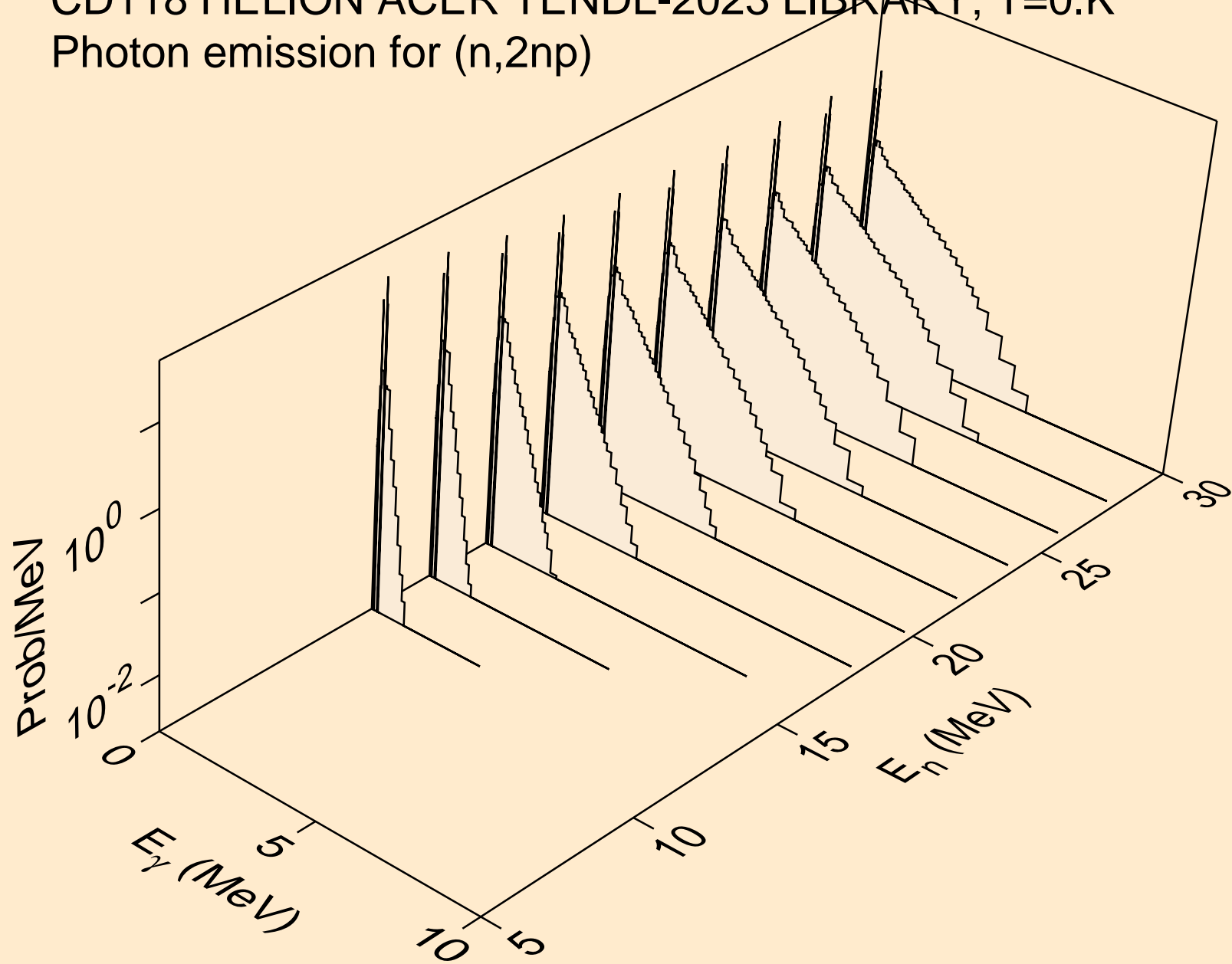
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)

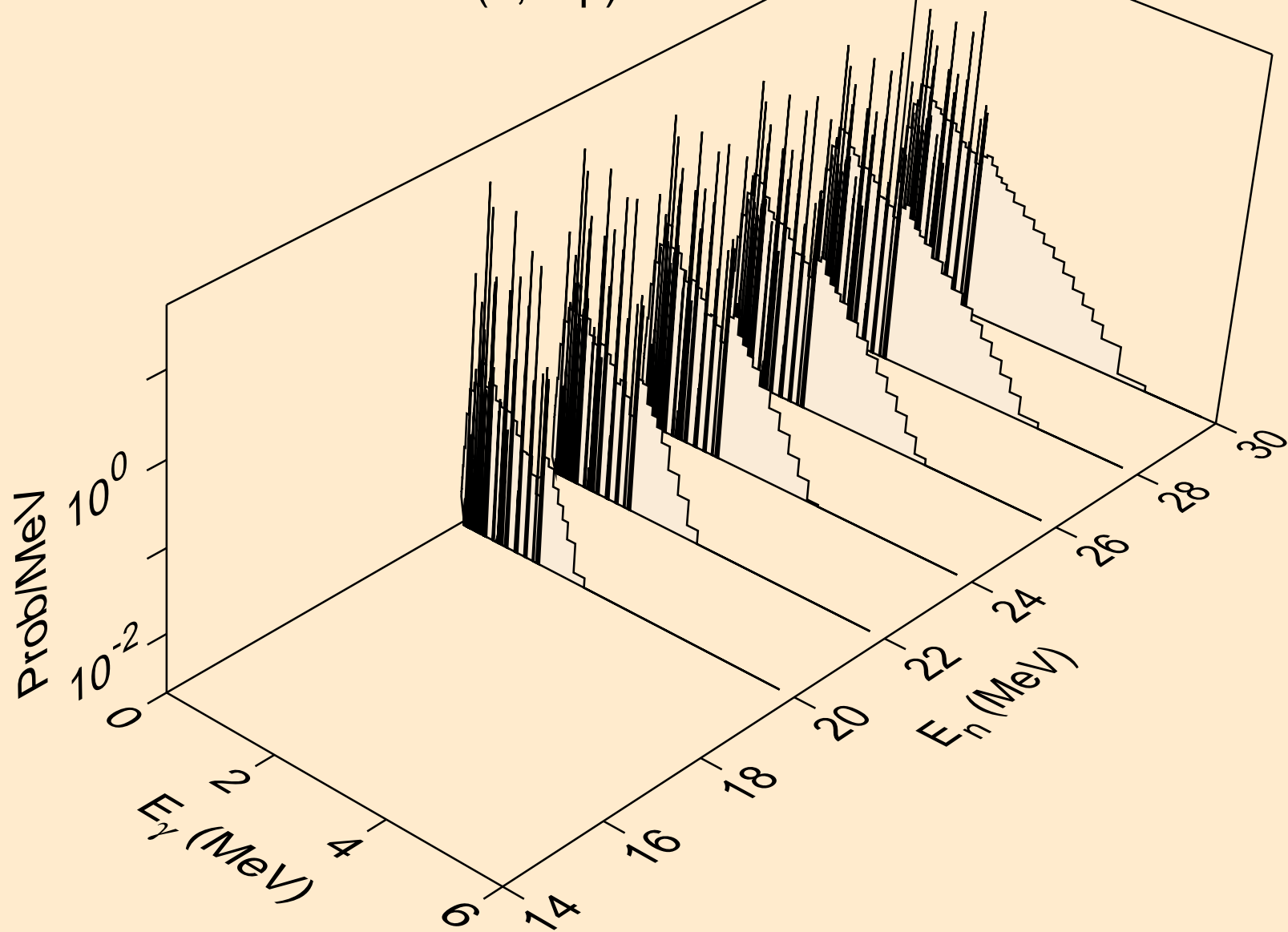


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Photon emission for (n,2np)

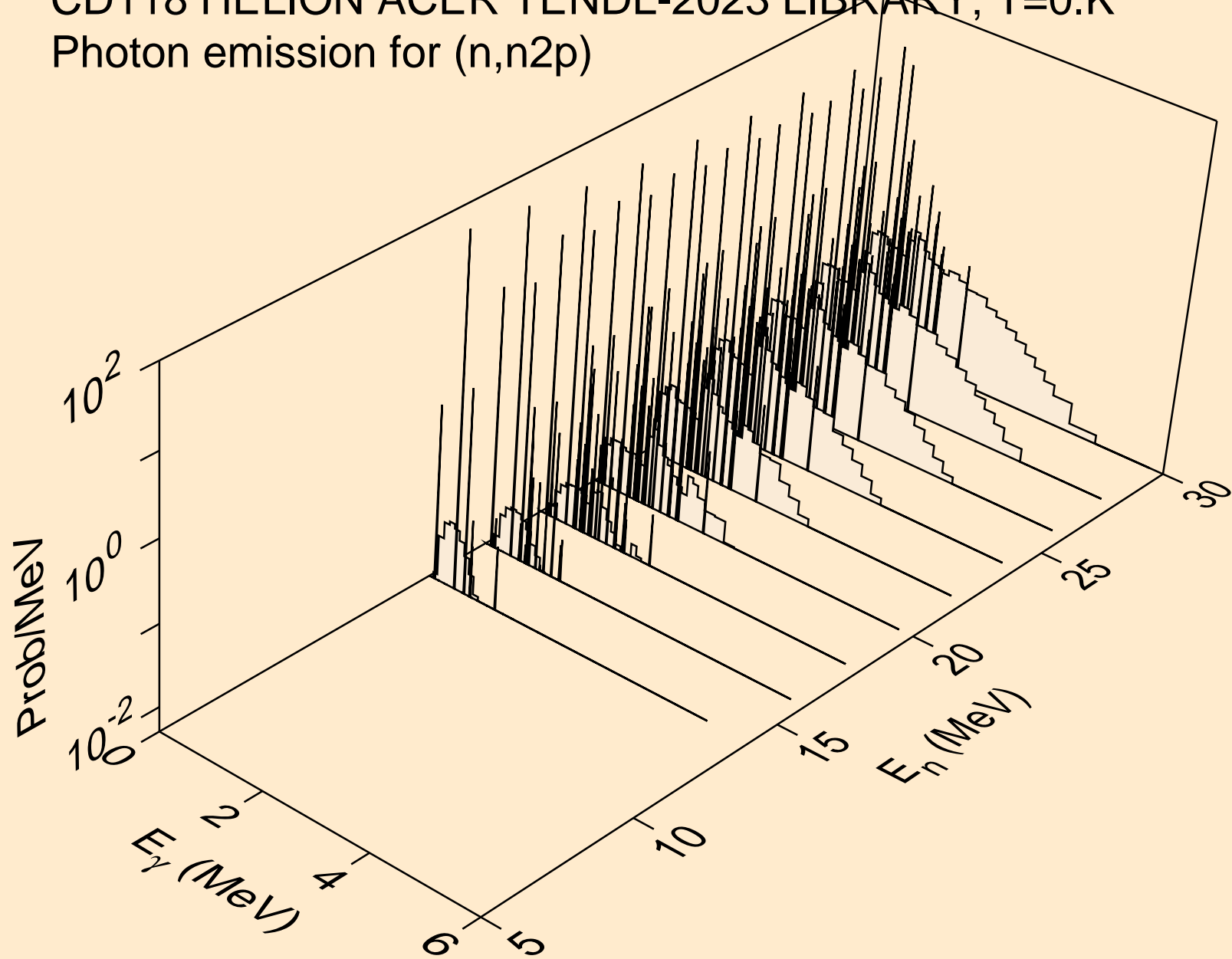




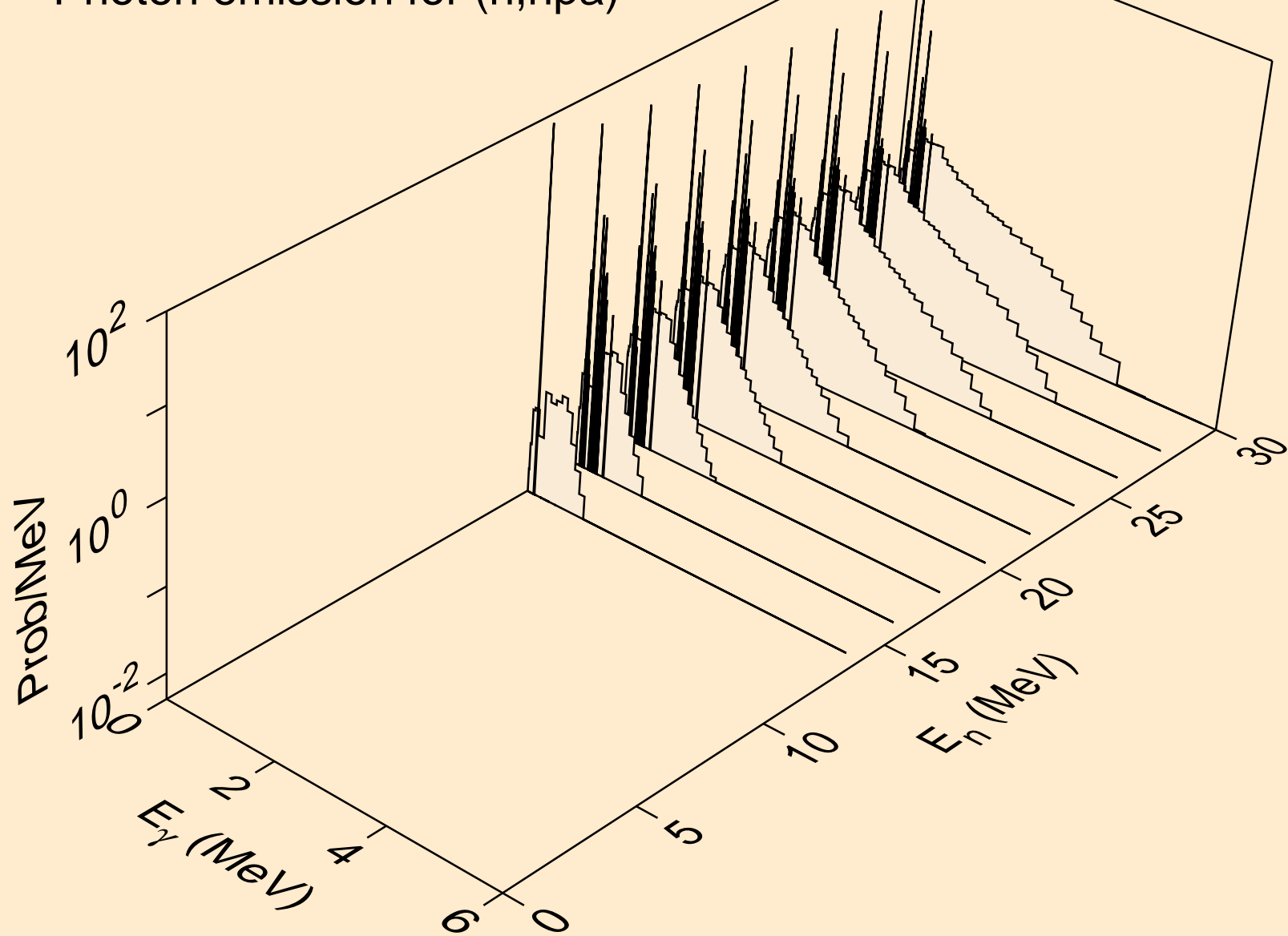
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Photon emission for (n,3np)



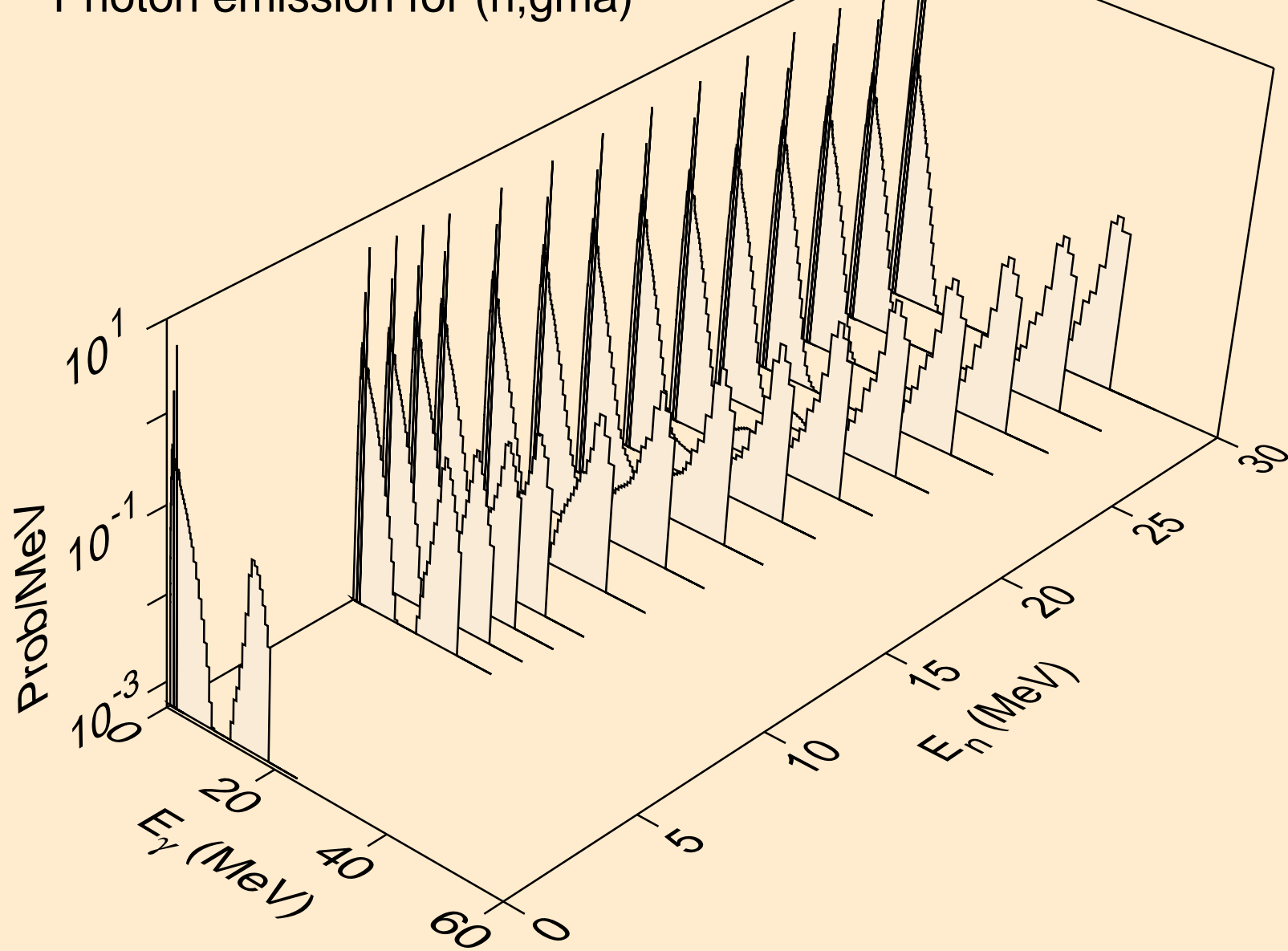
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Photon emission for (n,n2p)



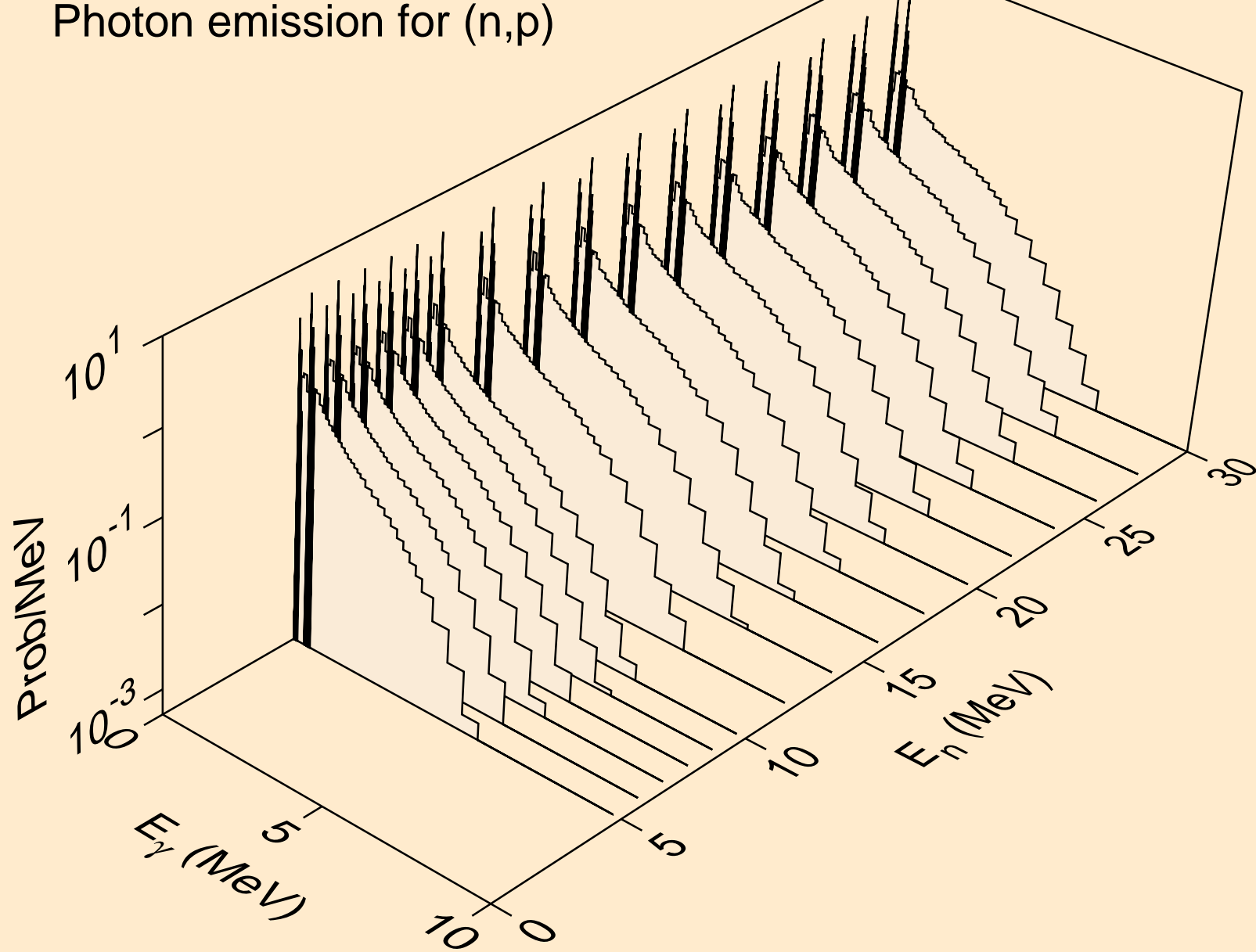
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Photon emission for (n,npa)



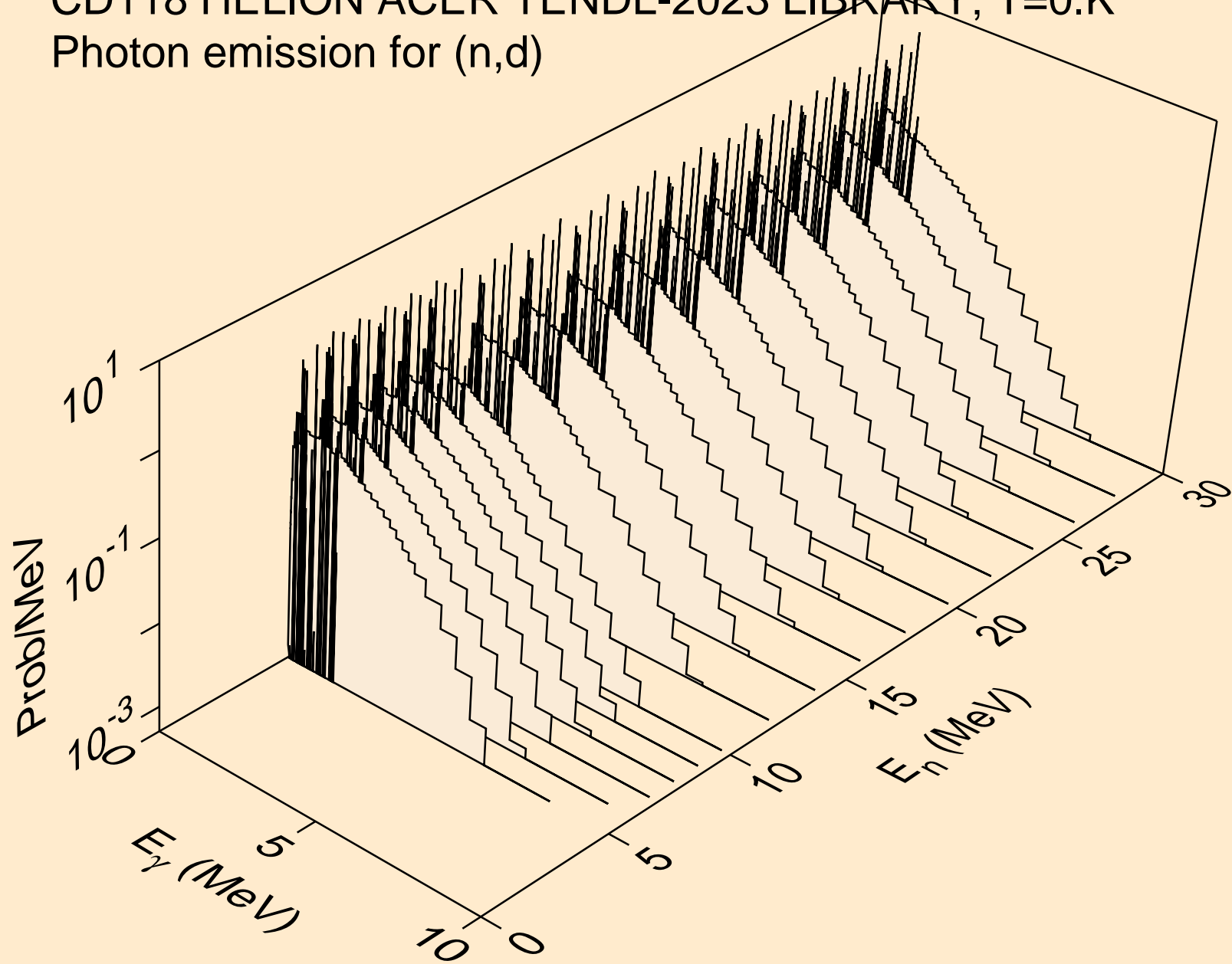
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Photon emission for (n,gma)



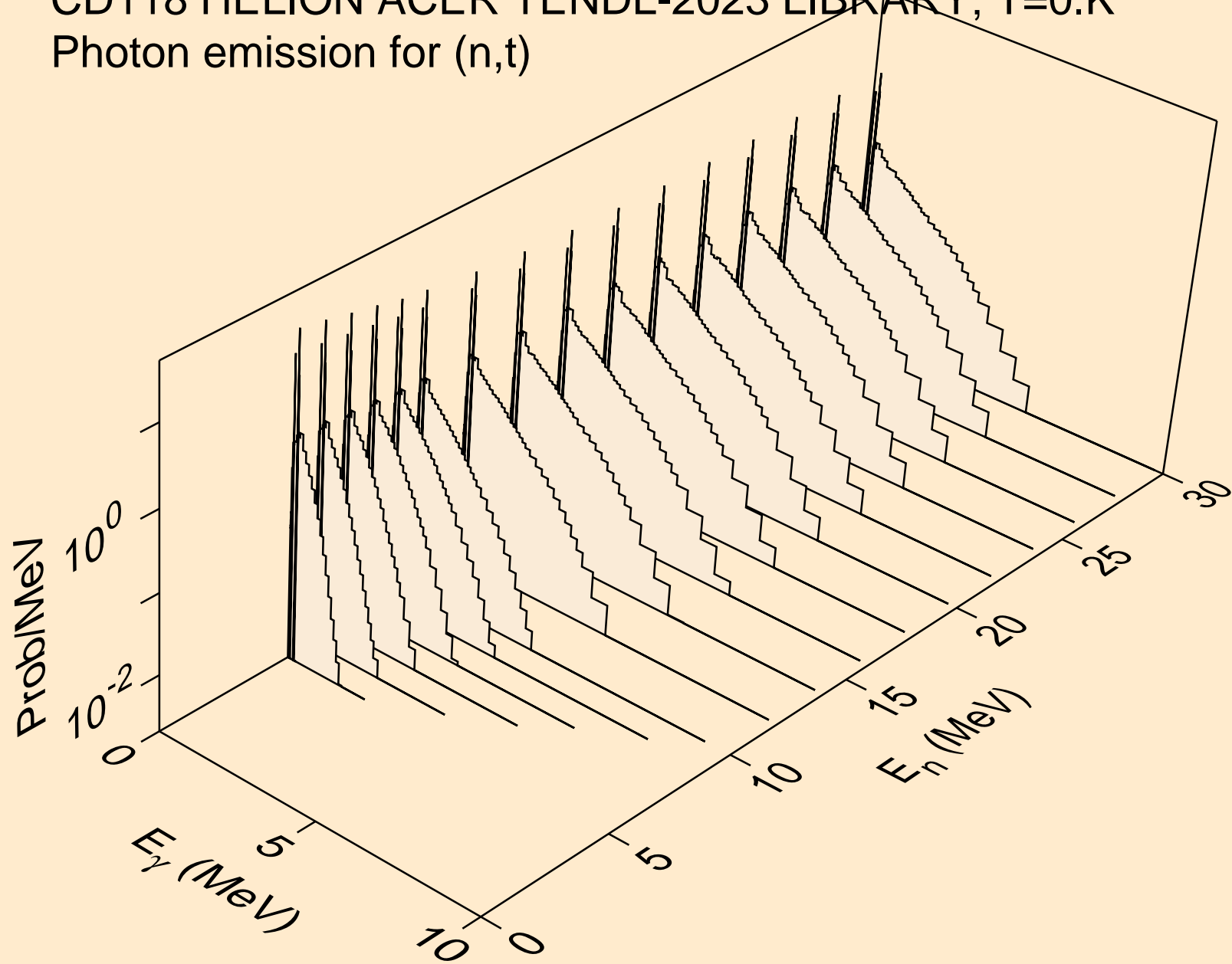
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Photon emission for (n,p)



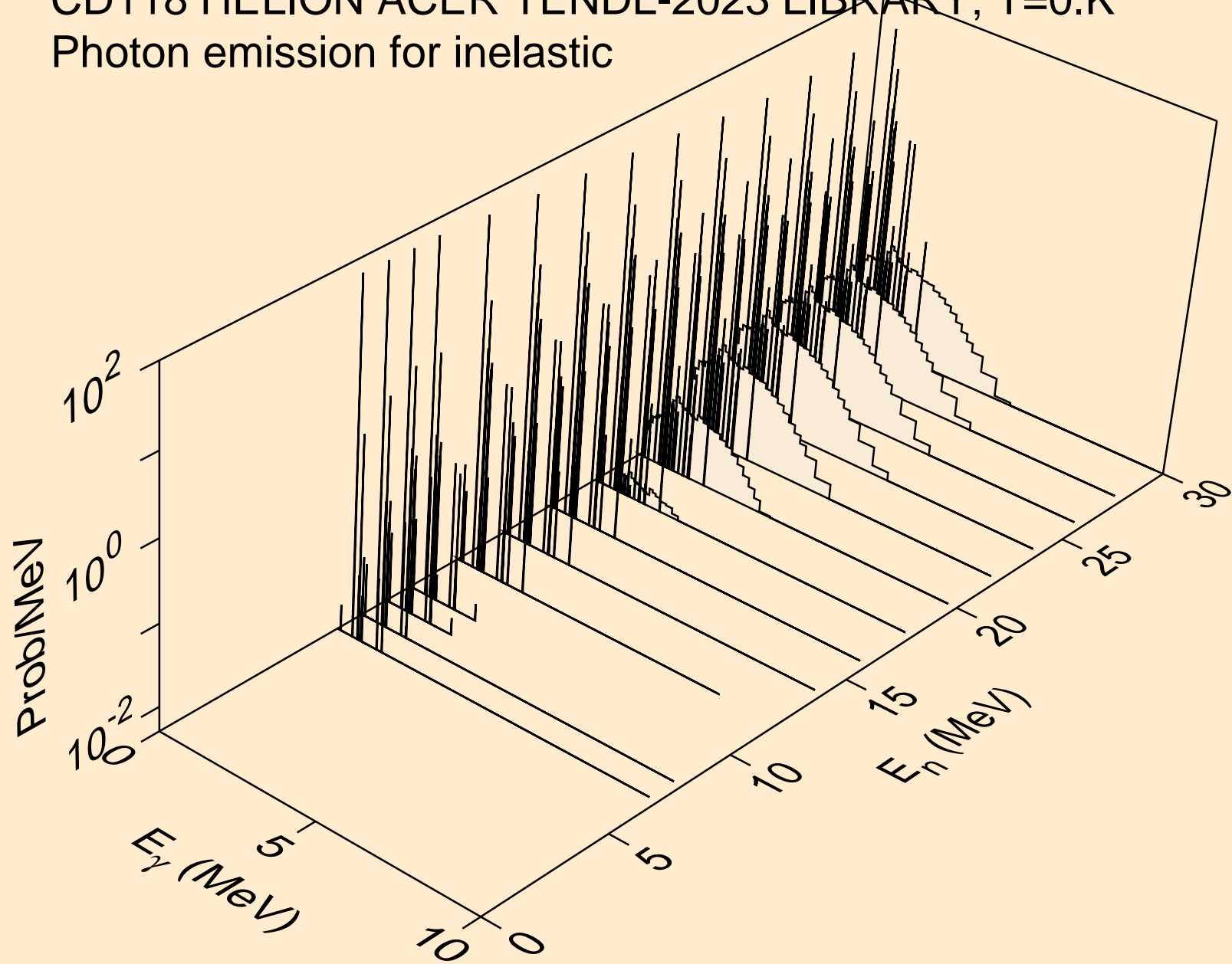
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

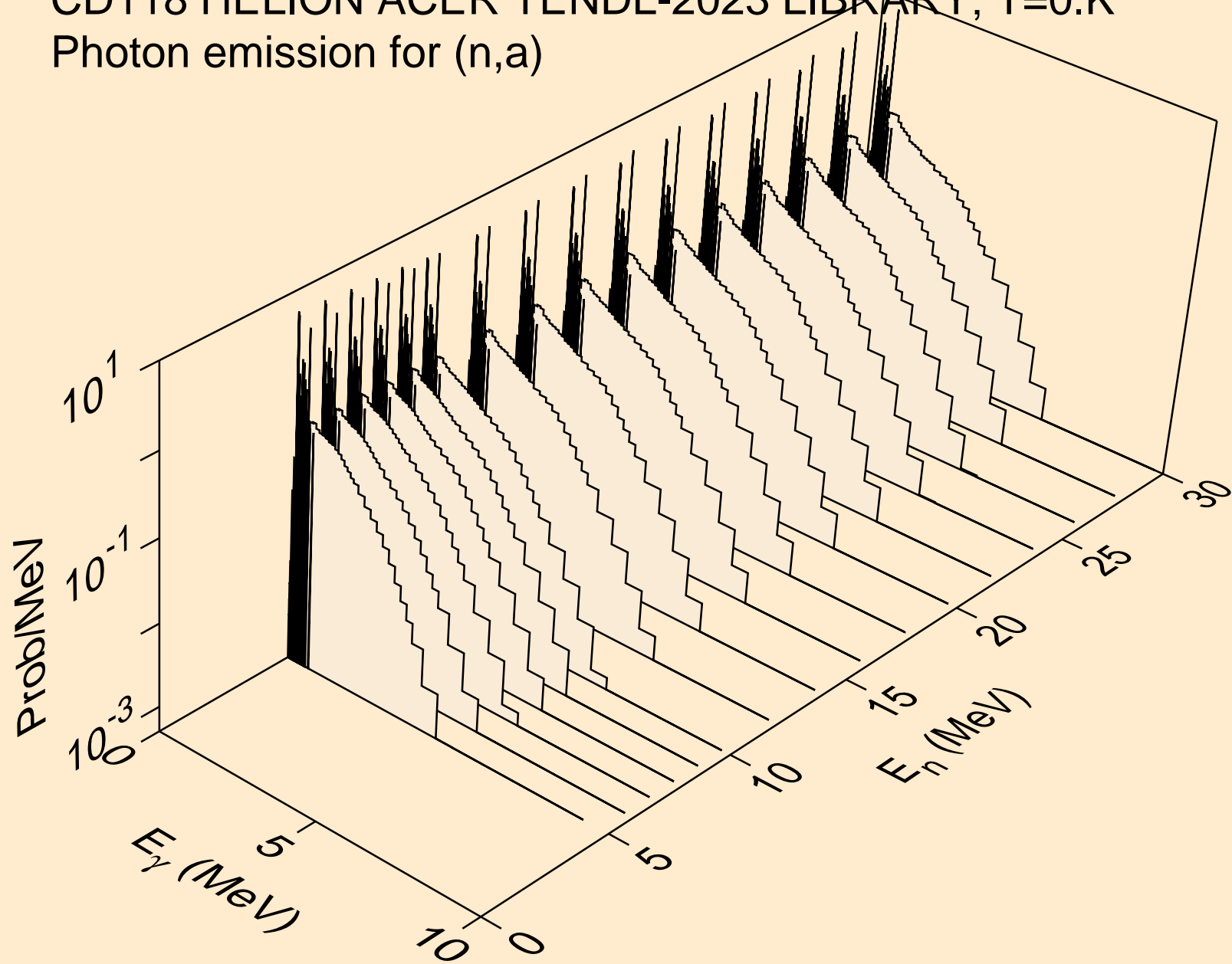


CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic

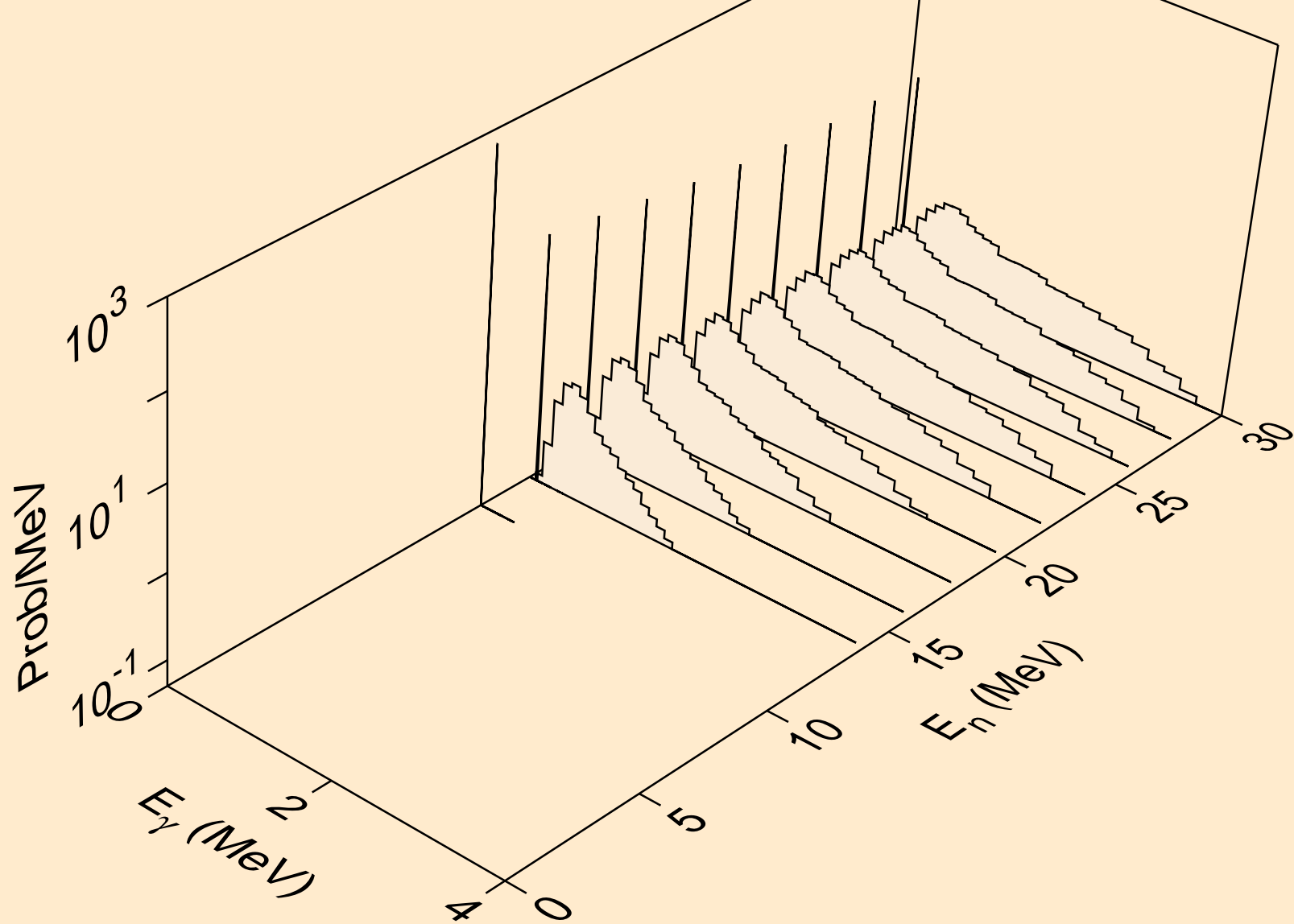




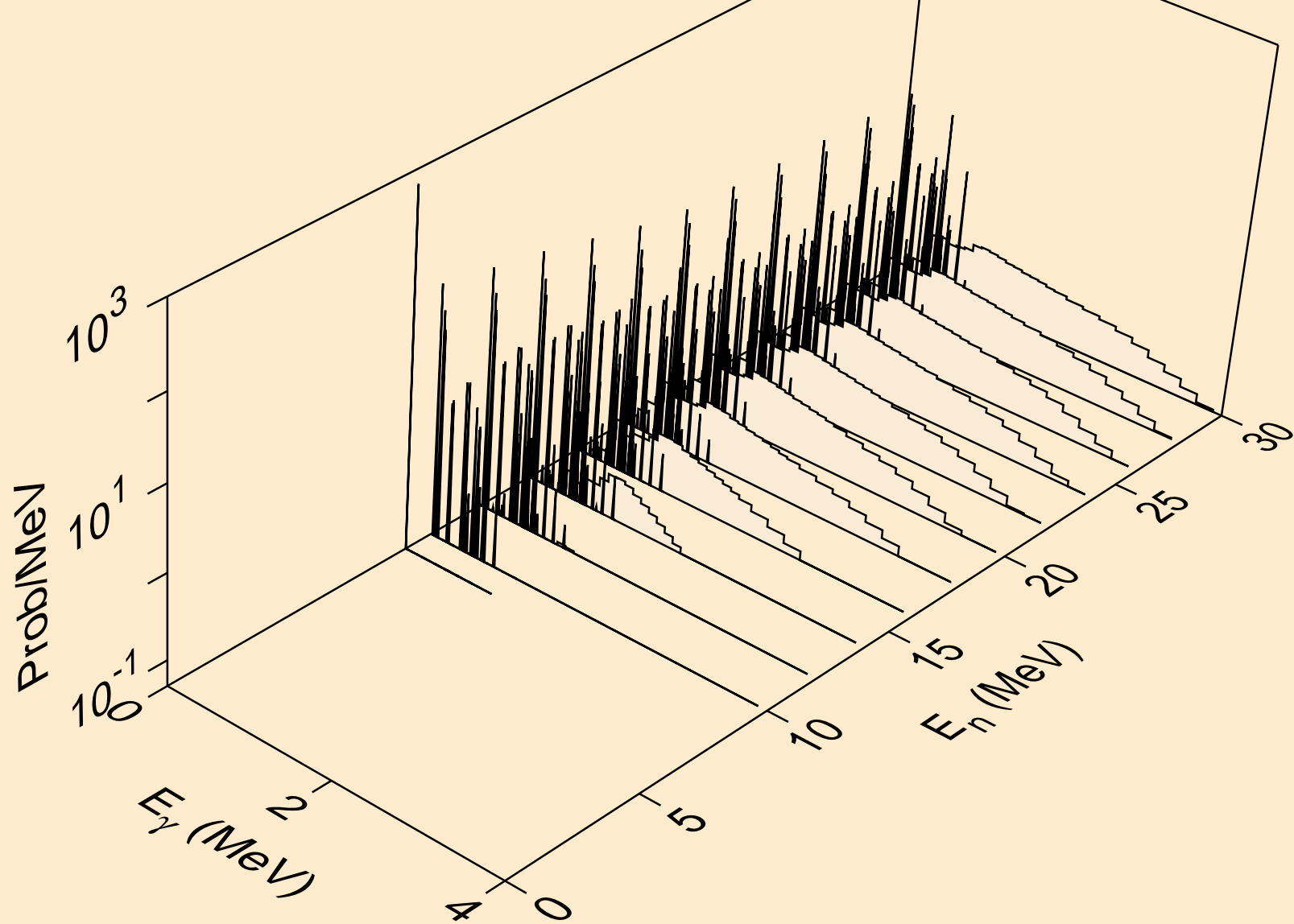
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Photon emission for (n,a)



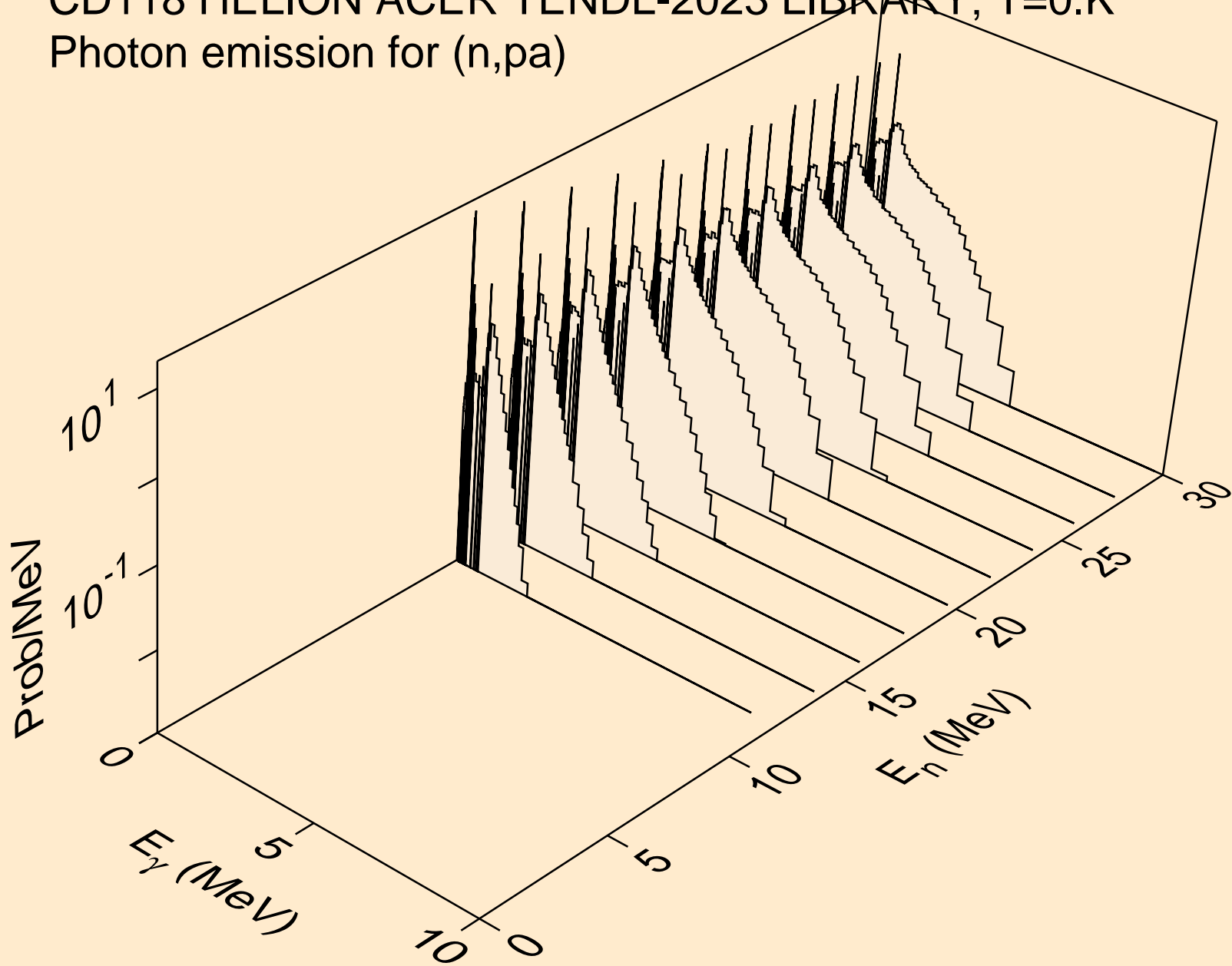
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Photon emission for (n,2a)



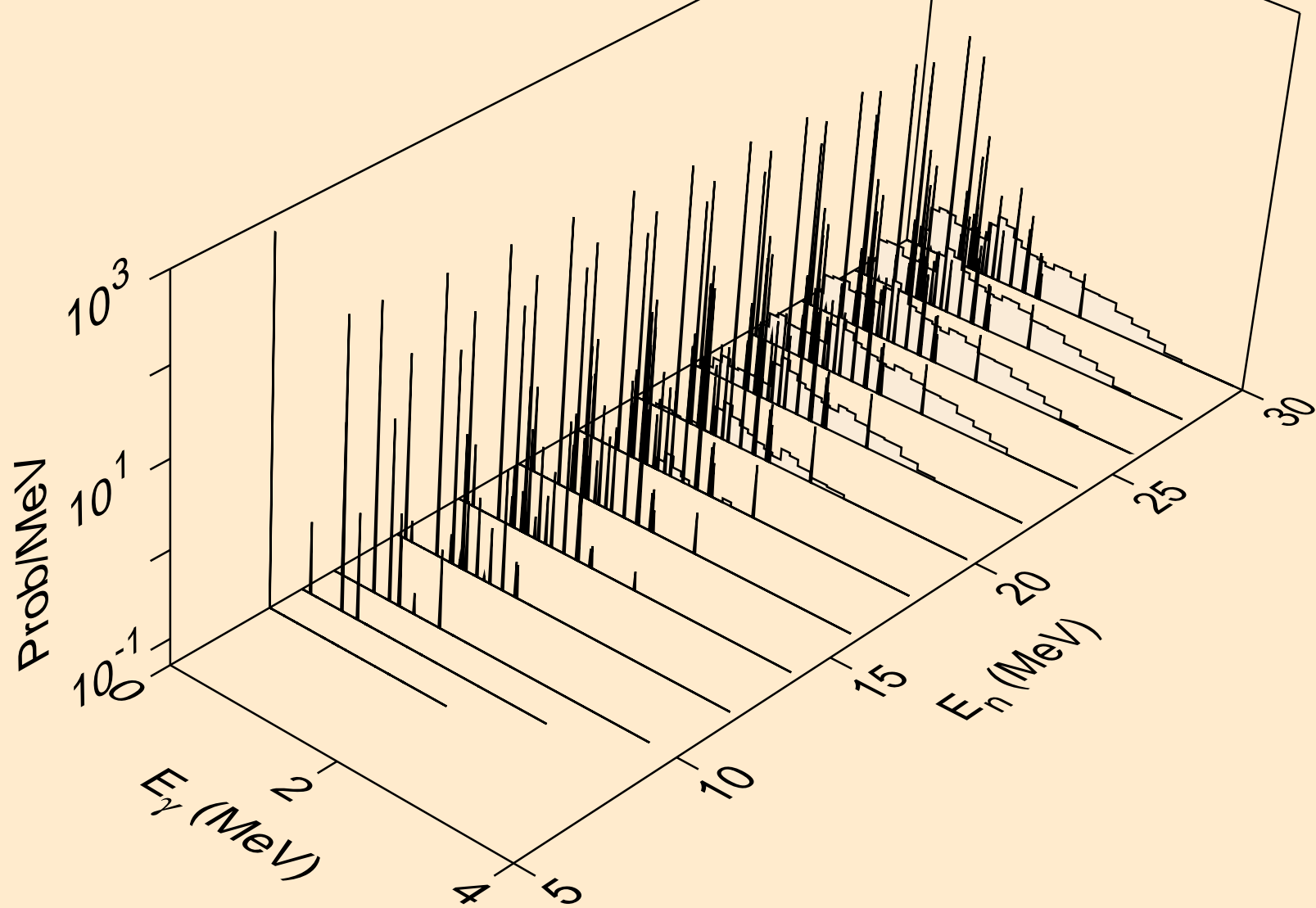
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Photon emission for (n,2p)



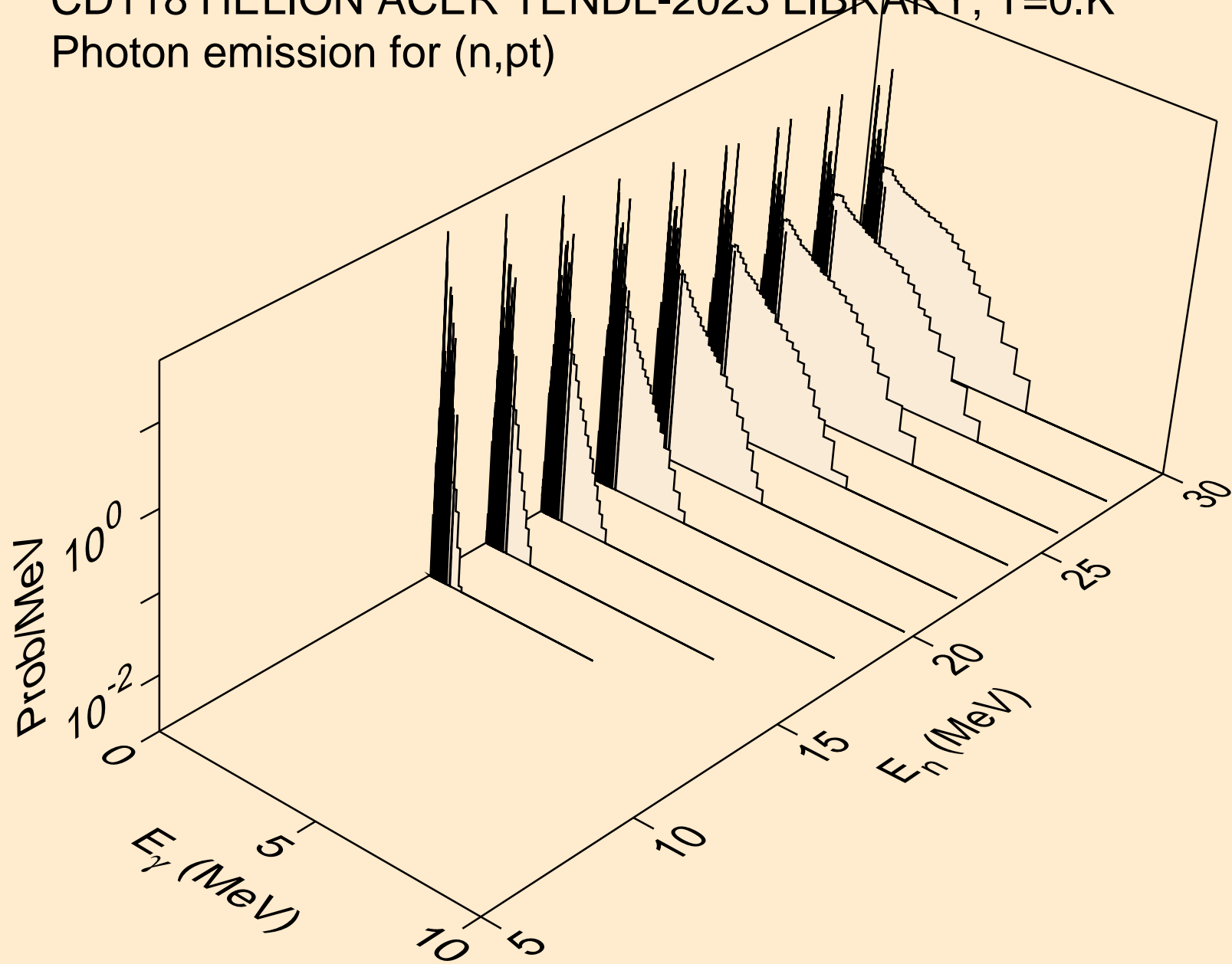
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Photon emission for (n,p)



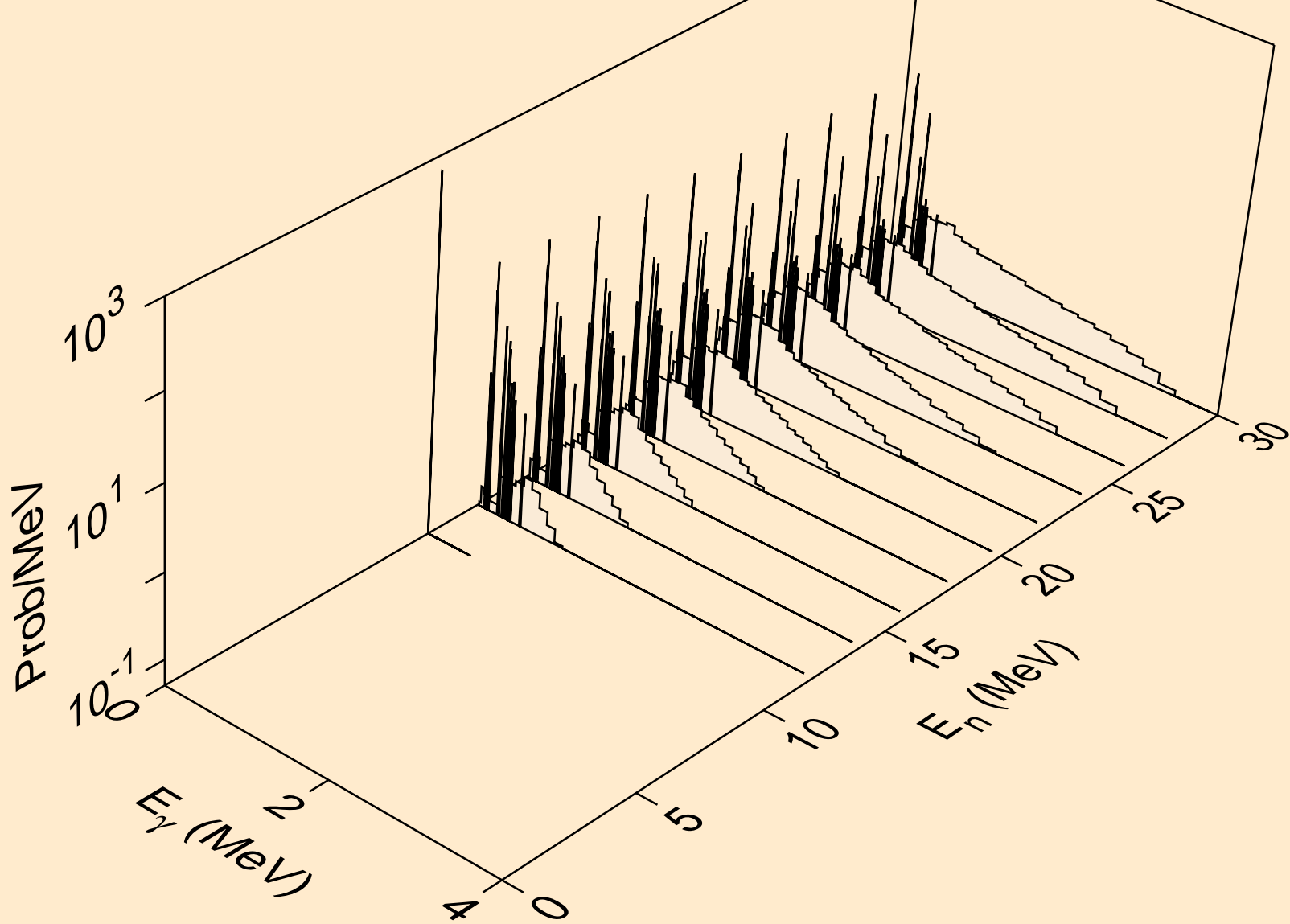
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

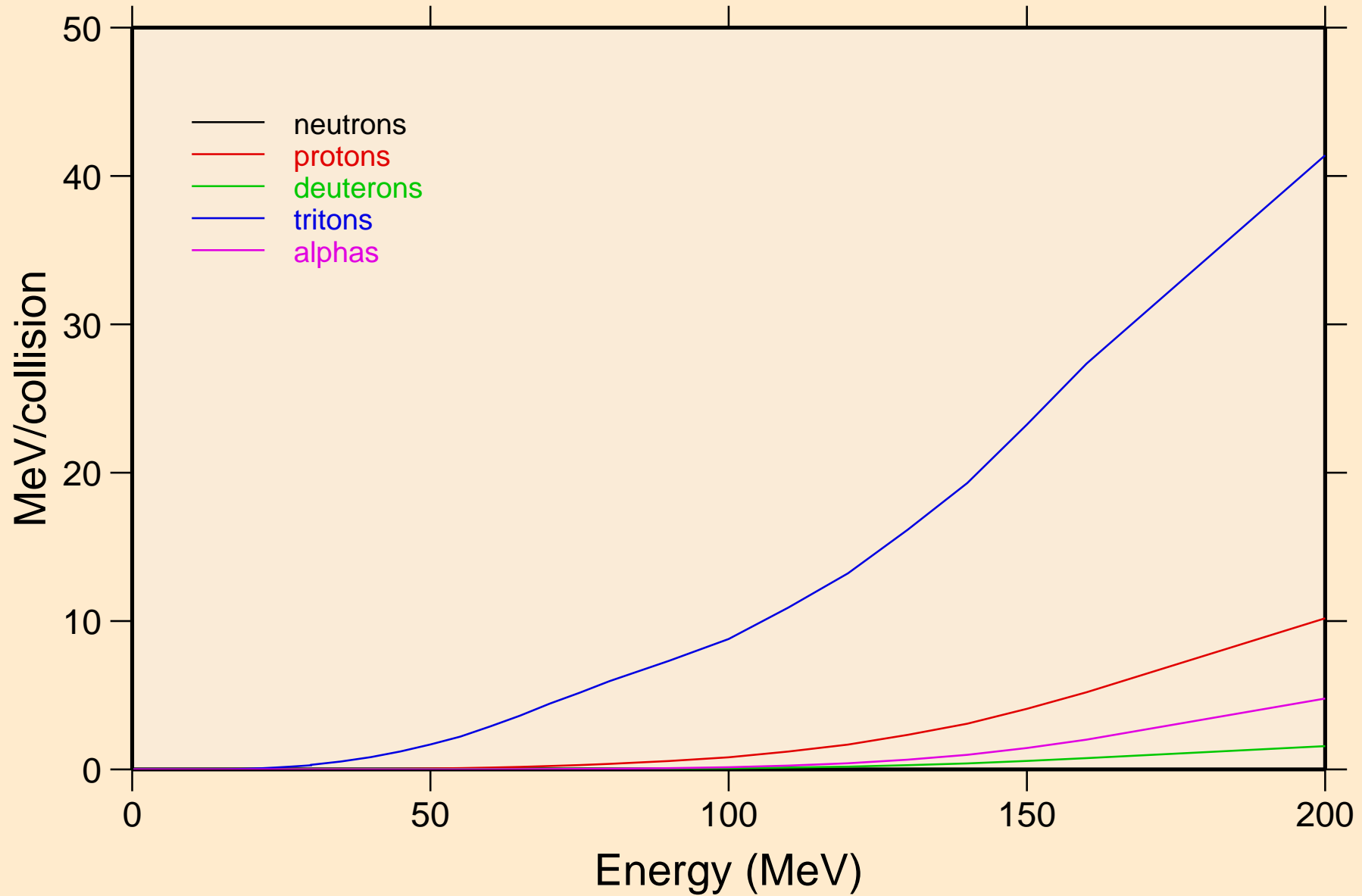


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Photon emission for (n,da)



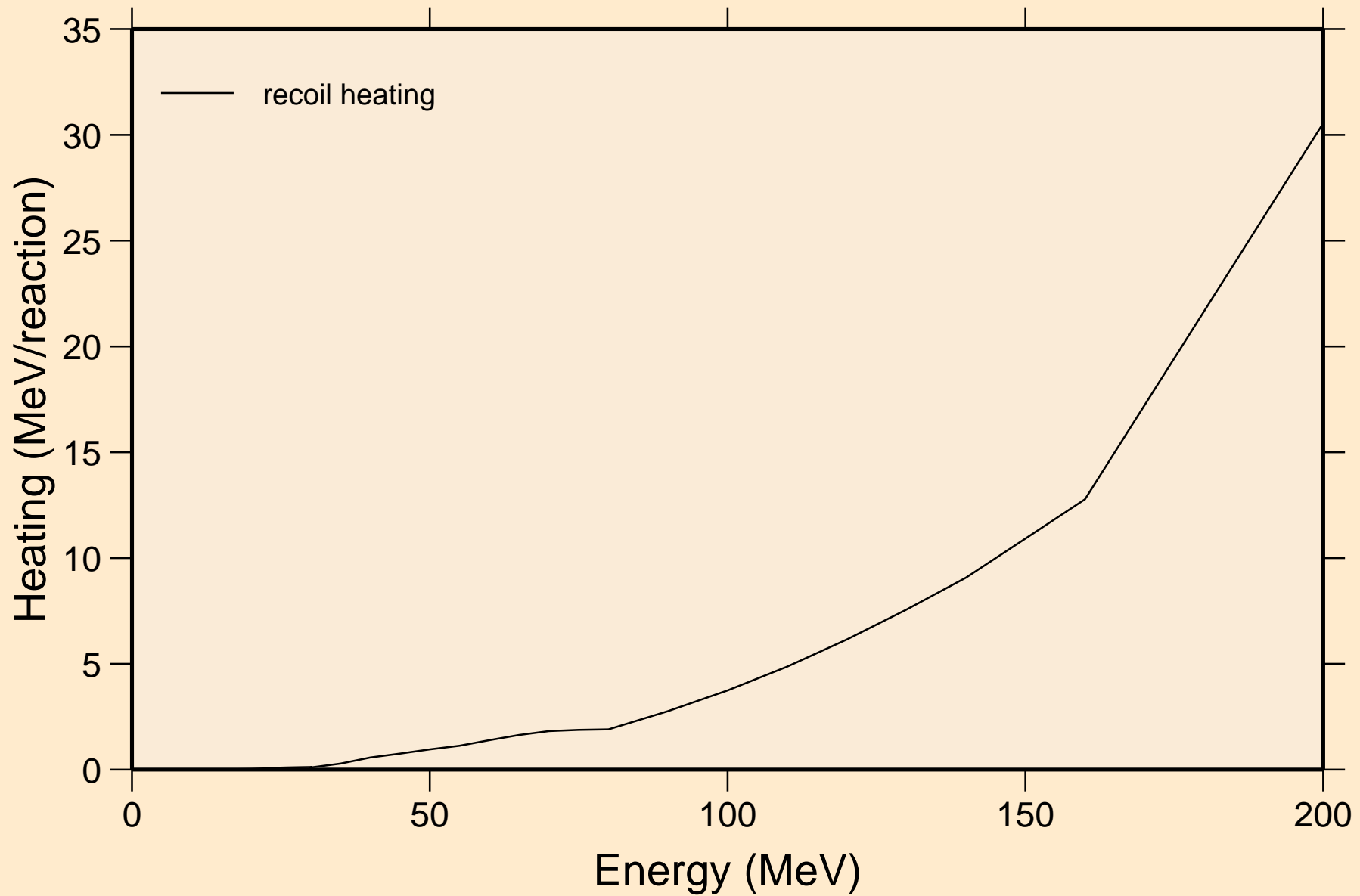
# CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

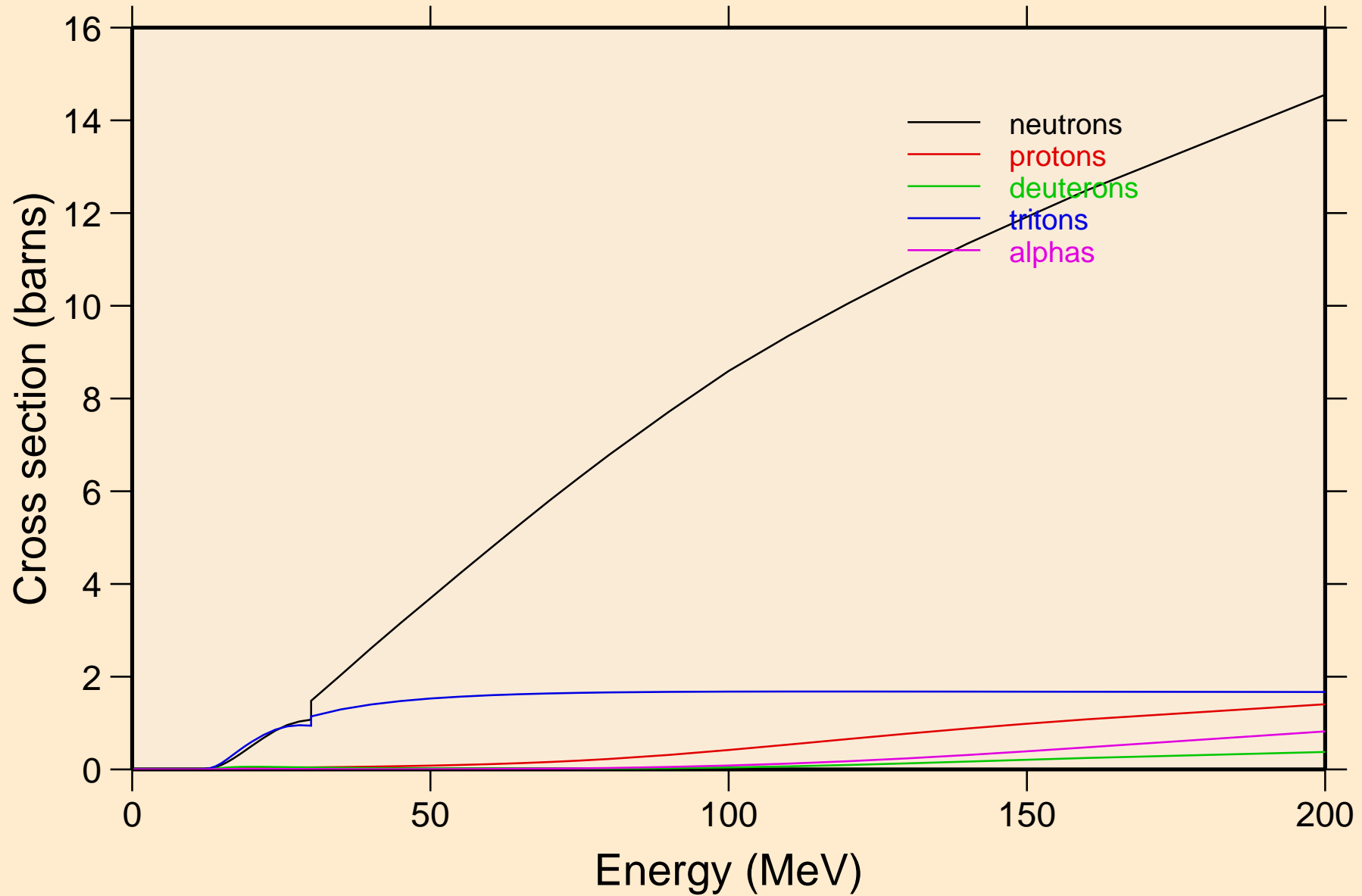




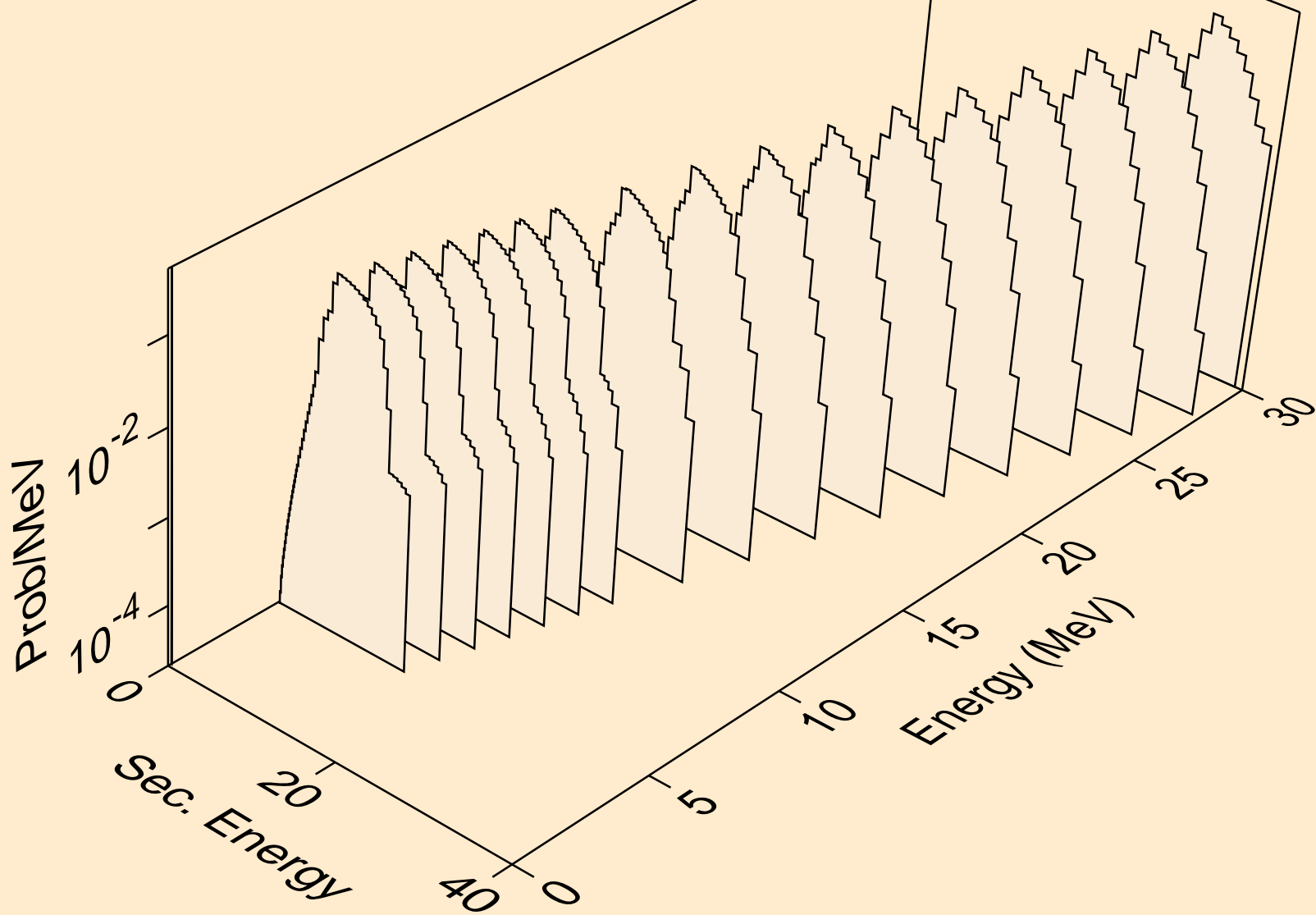
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Recoil Heating



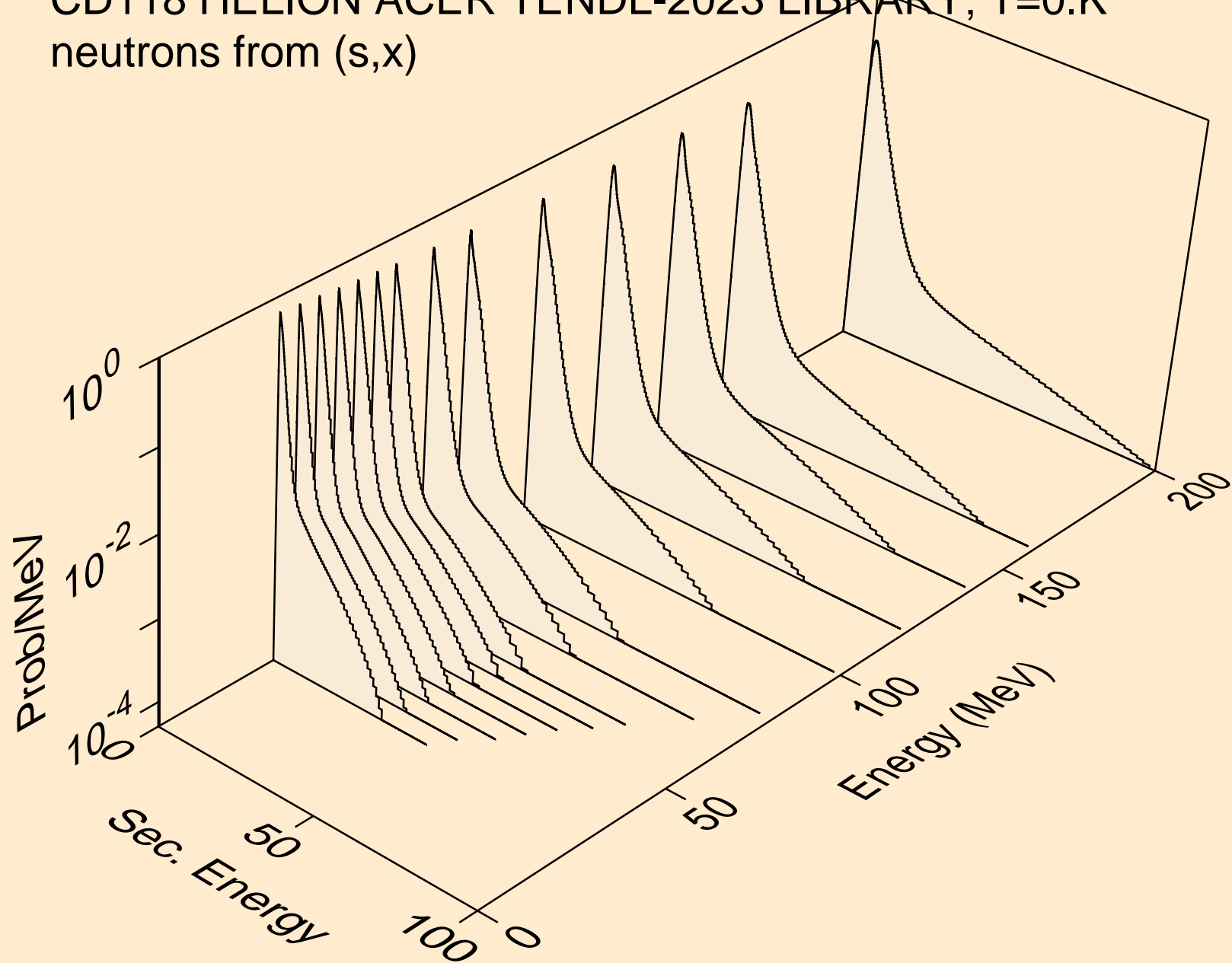
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



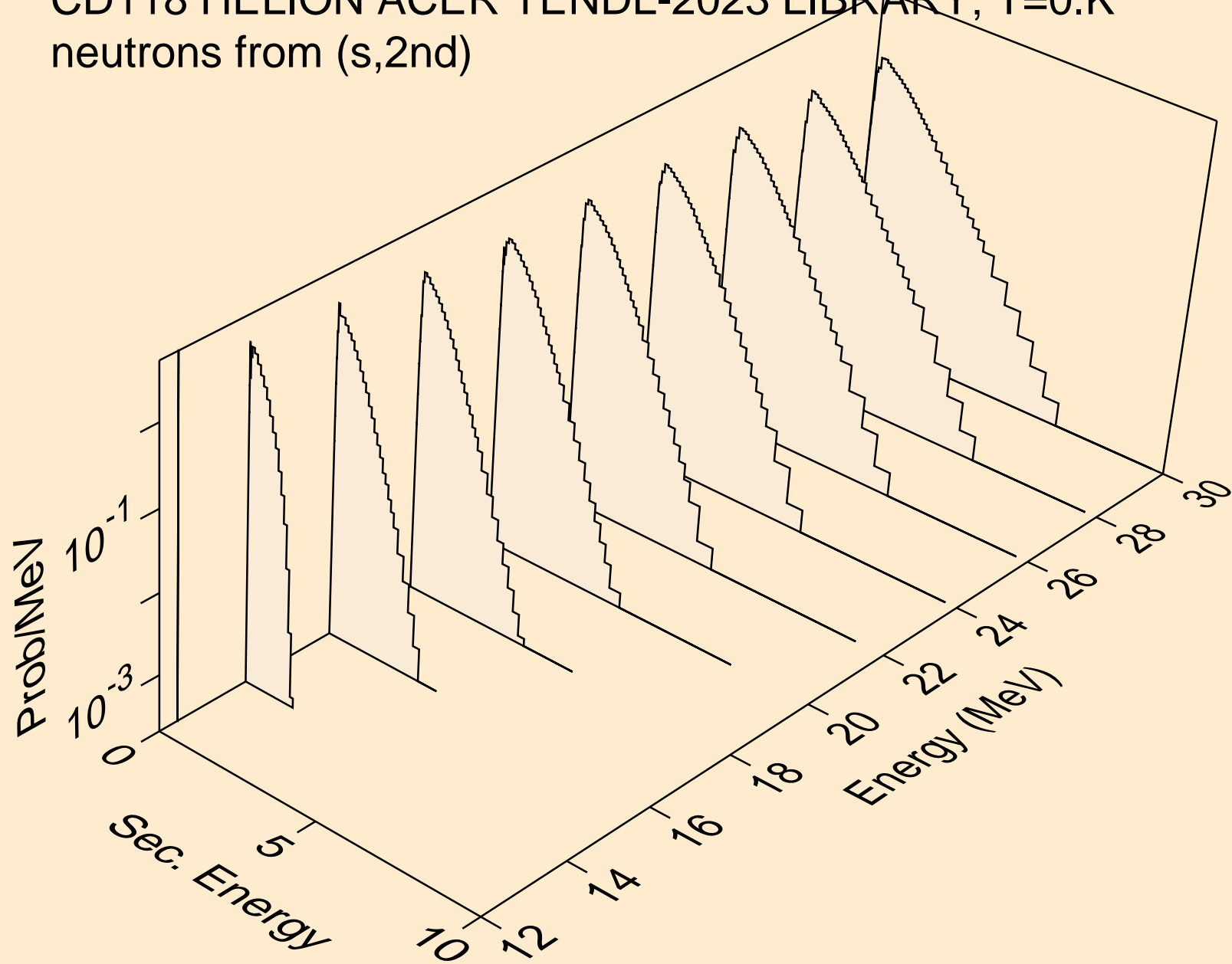
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



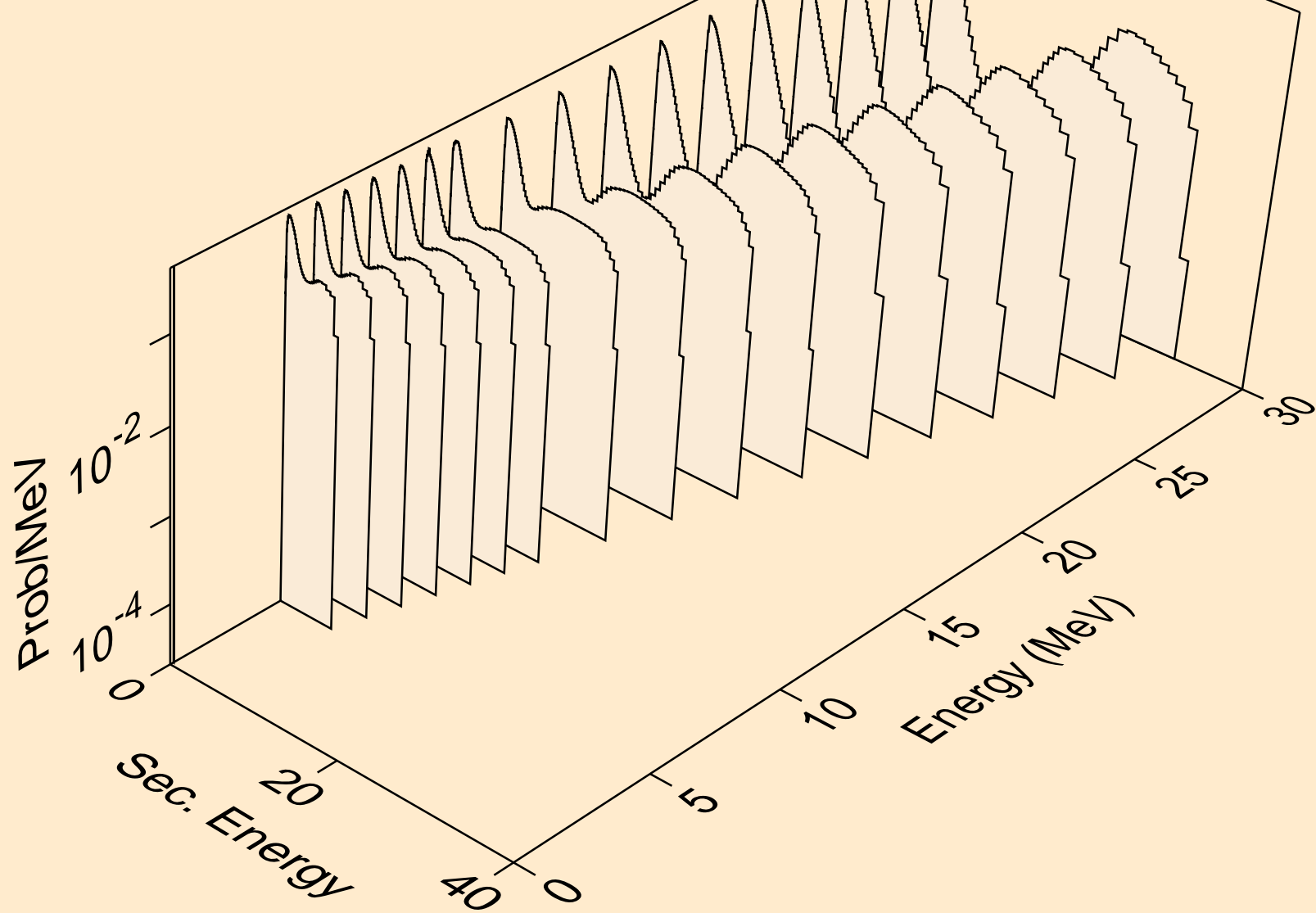
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,x)



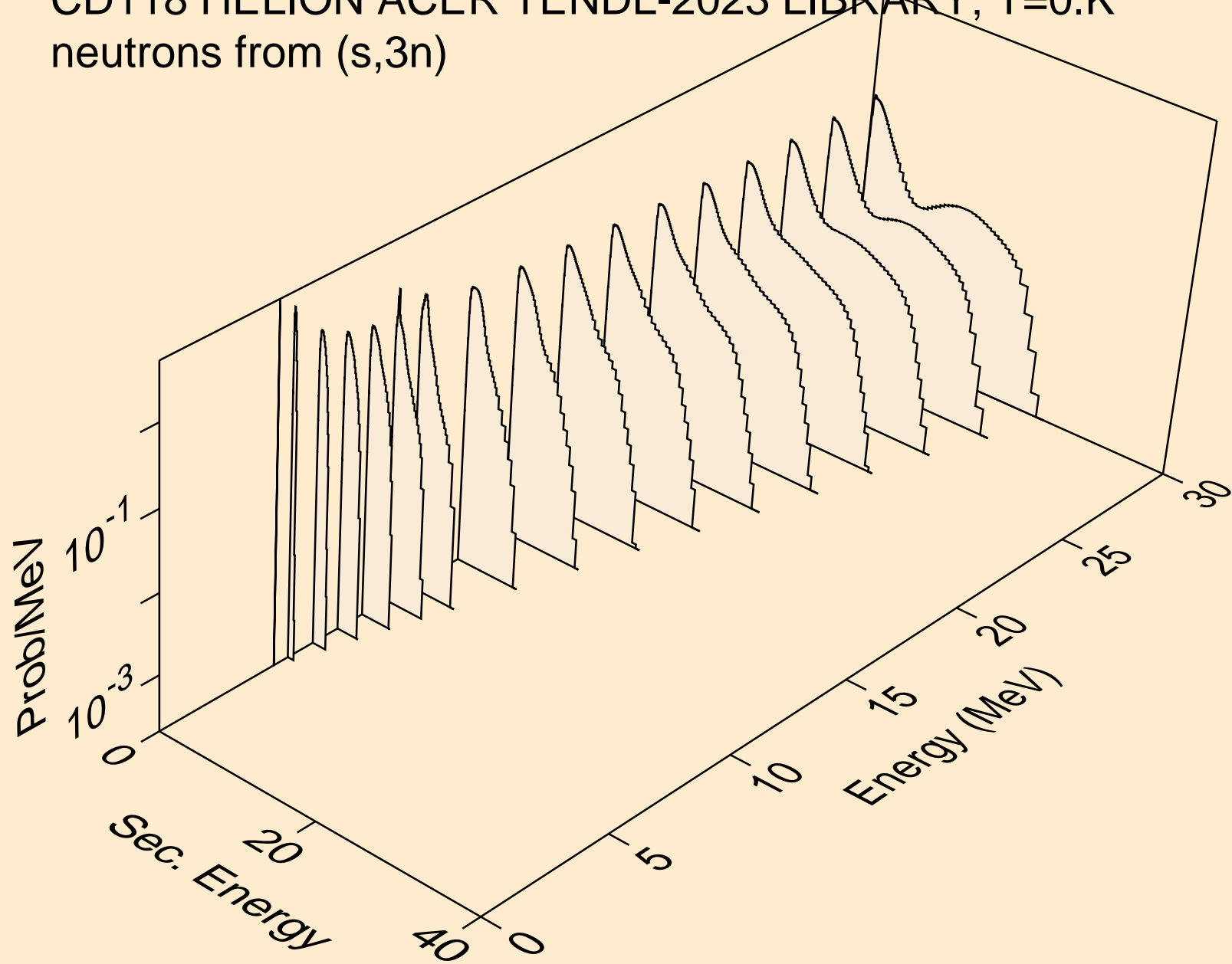
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neutrons from (s,2nd)



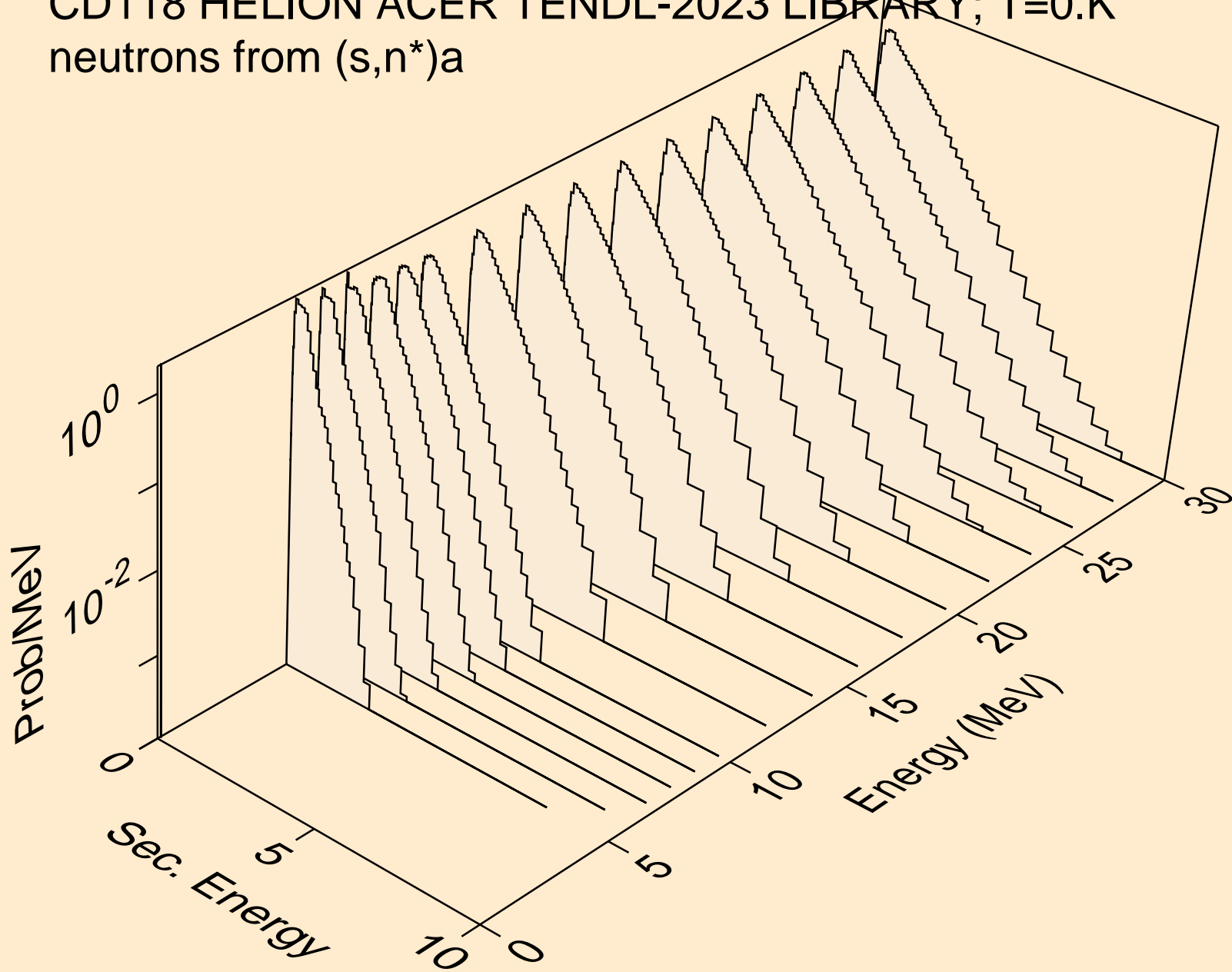
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)



CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3n)

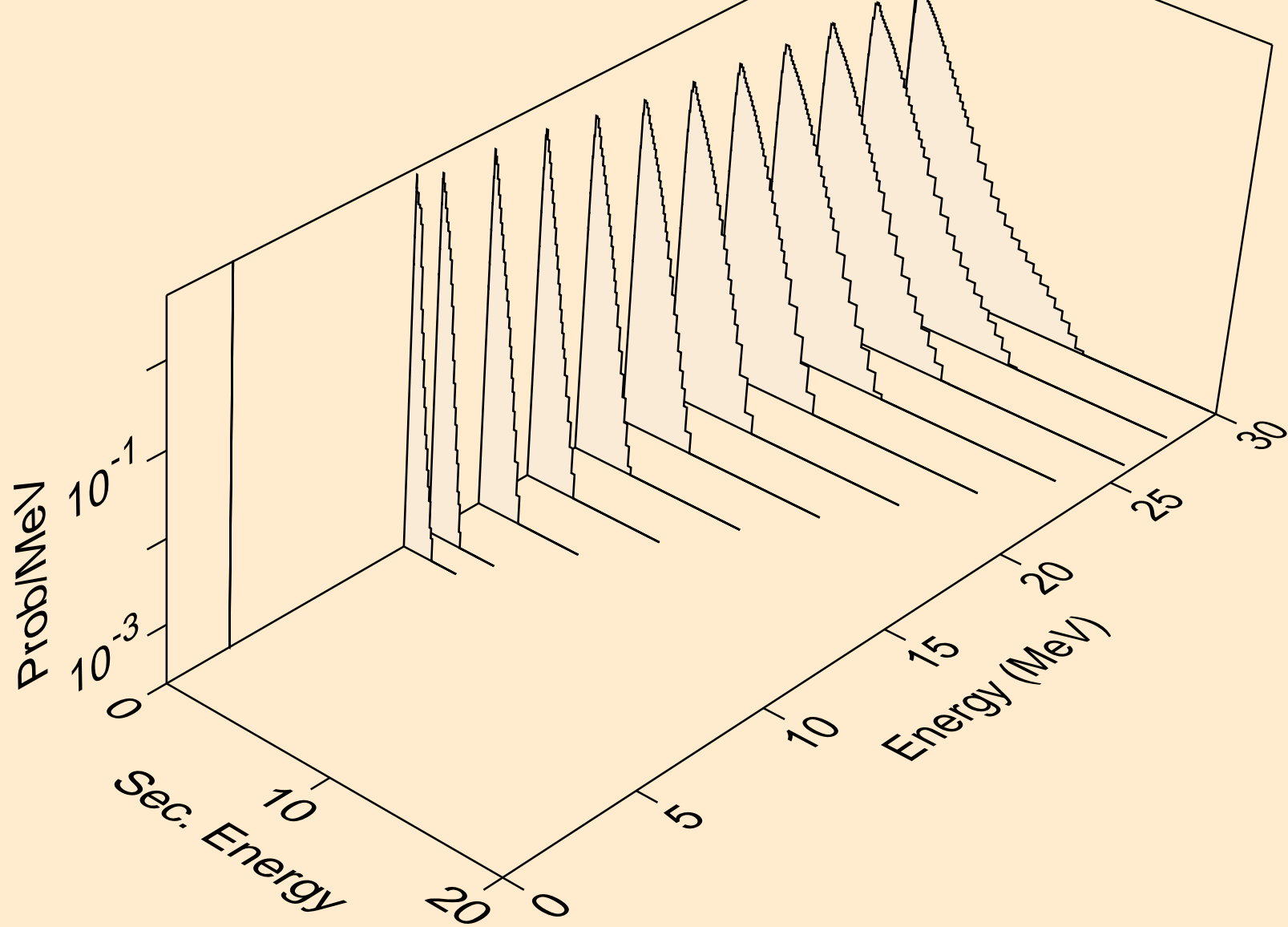


CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a

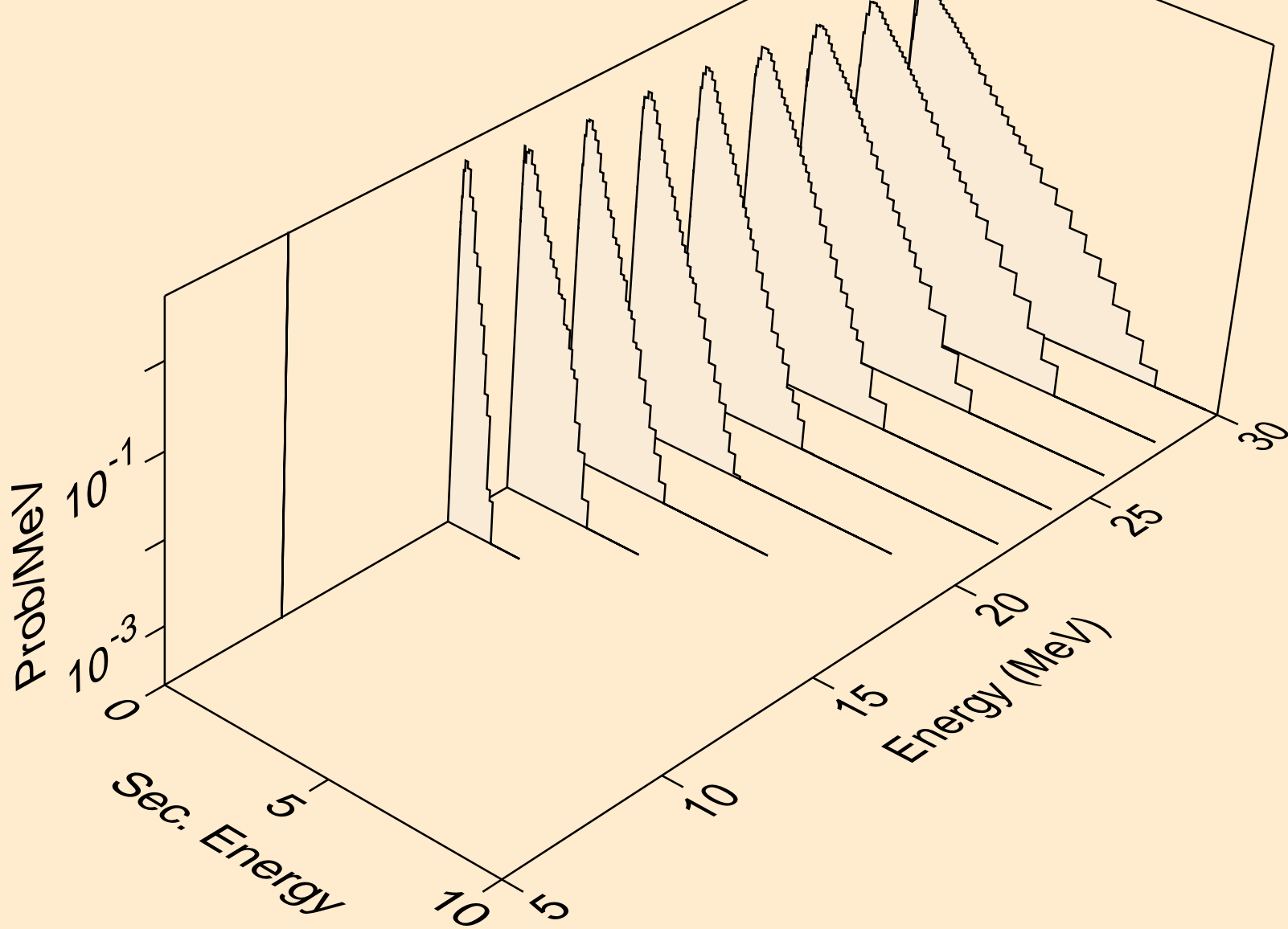




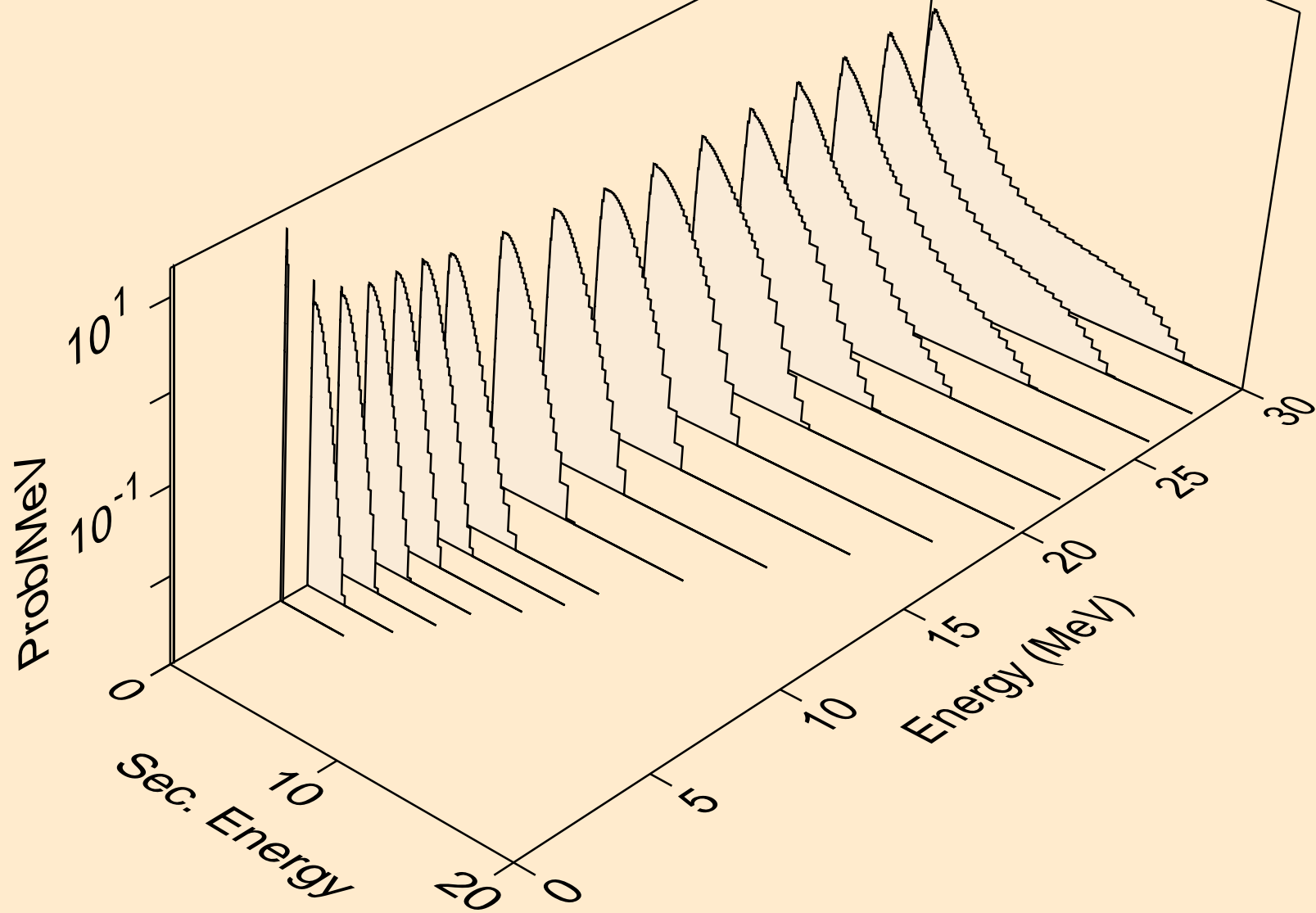
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)a



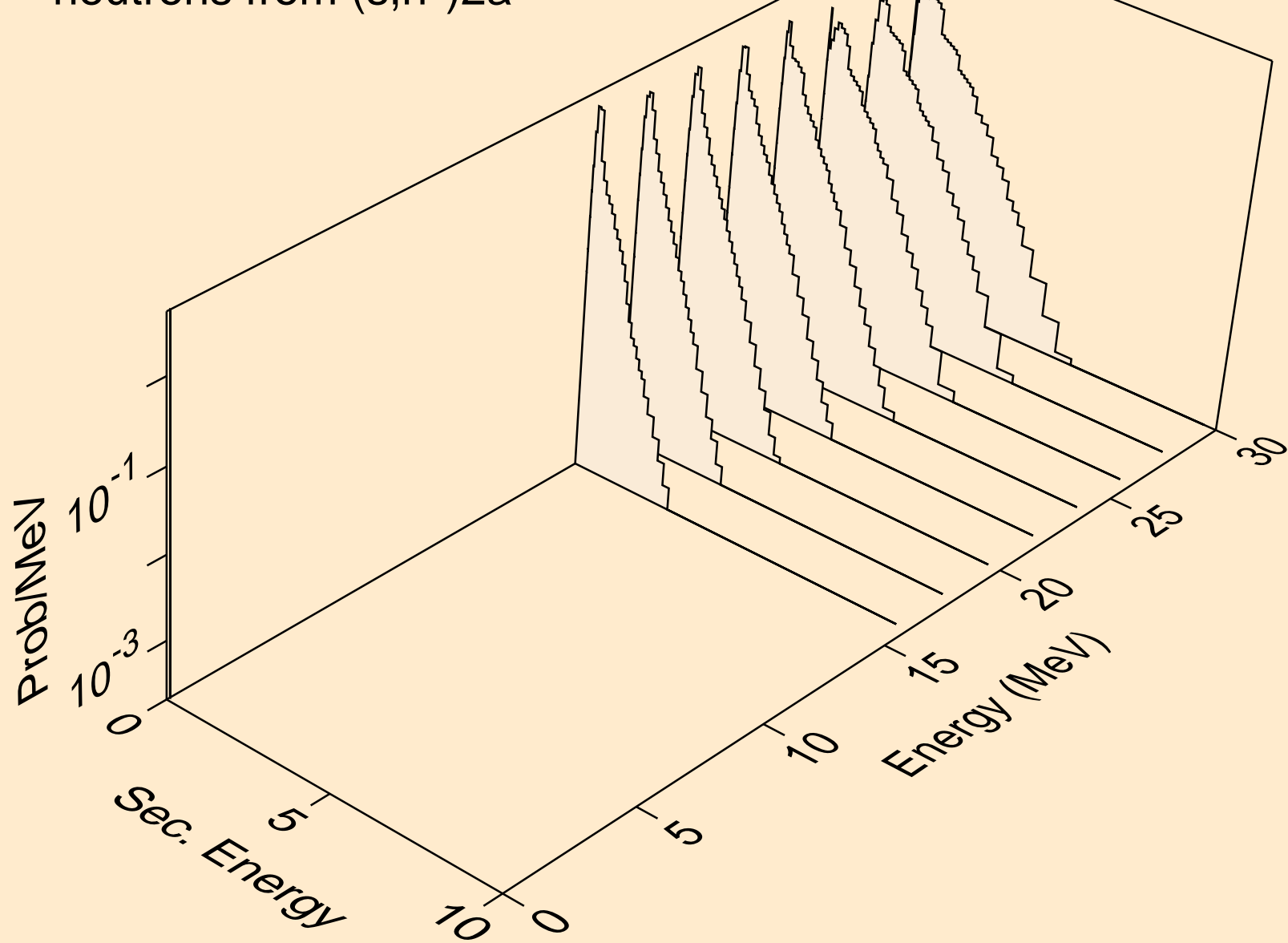
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neutrons from (s,3n)a



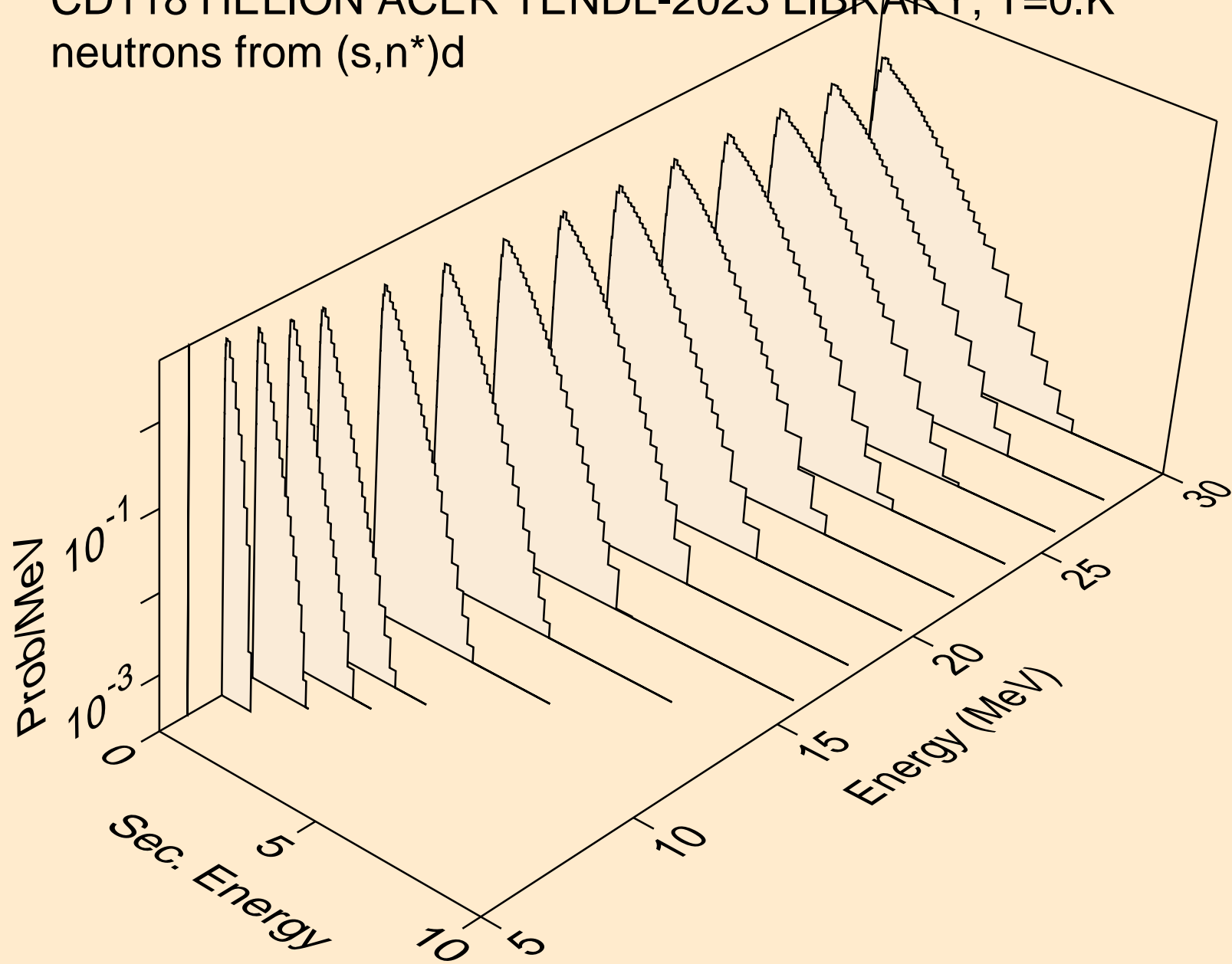
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neutrons from (s,n\*)p



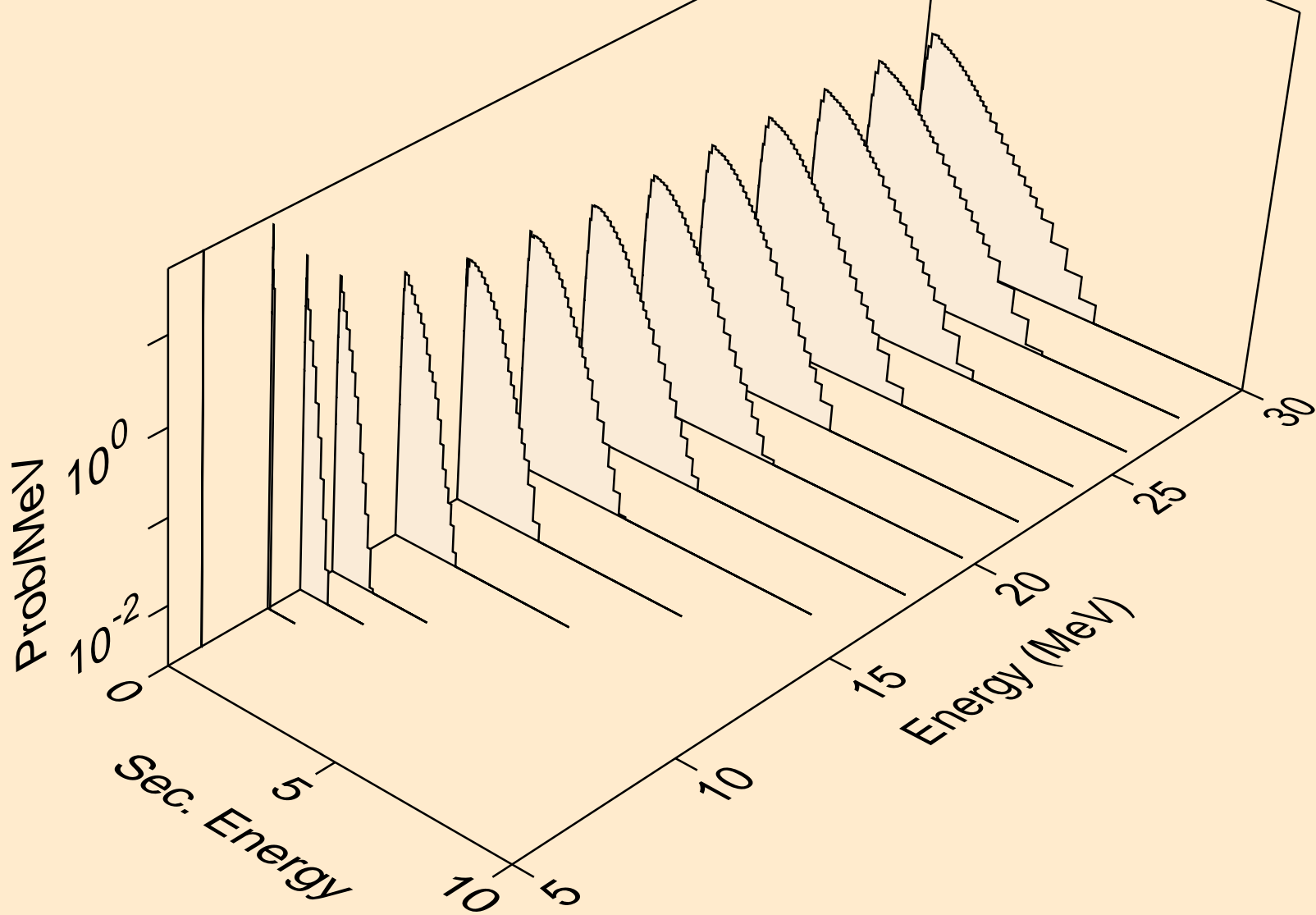
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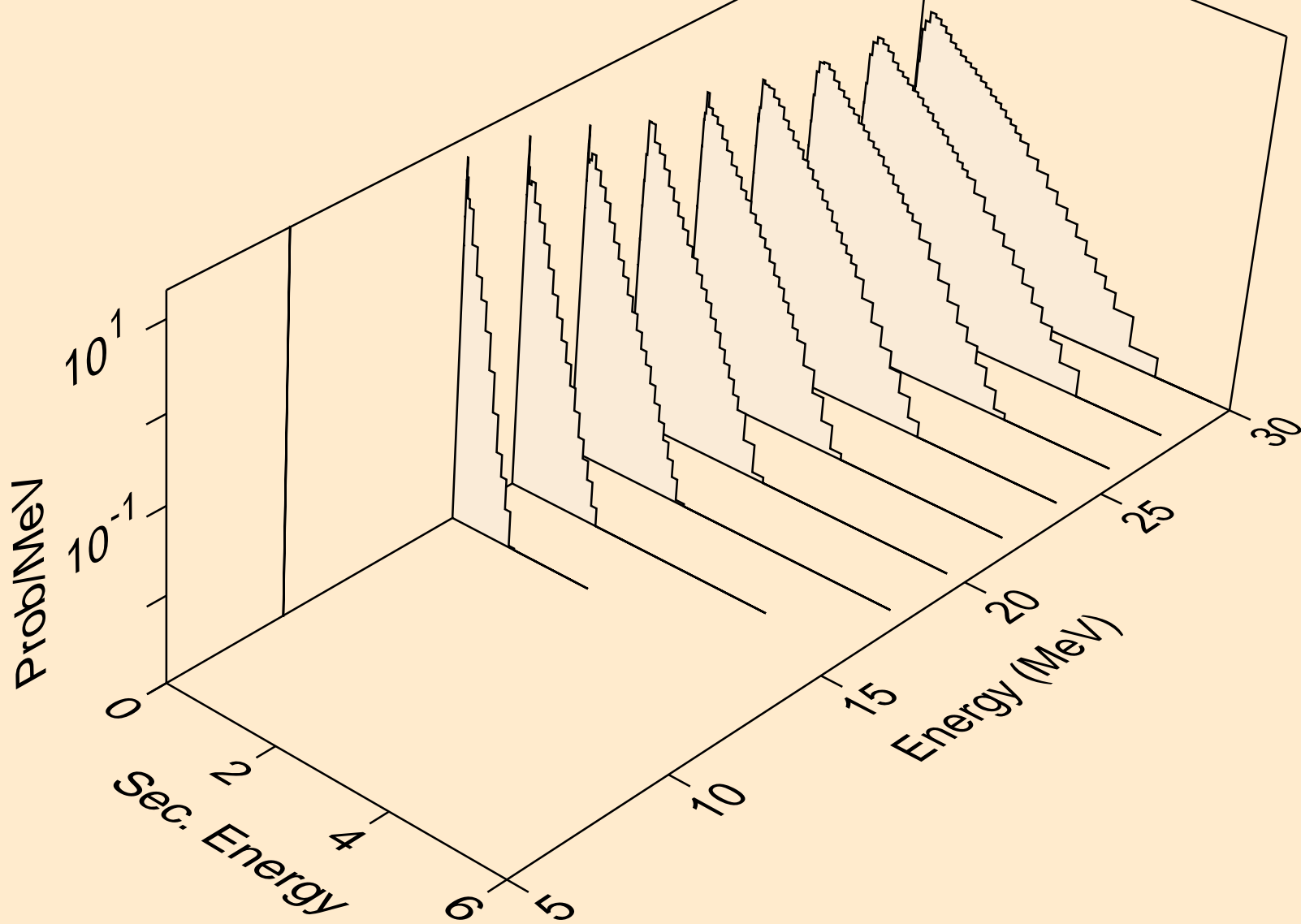
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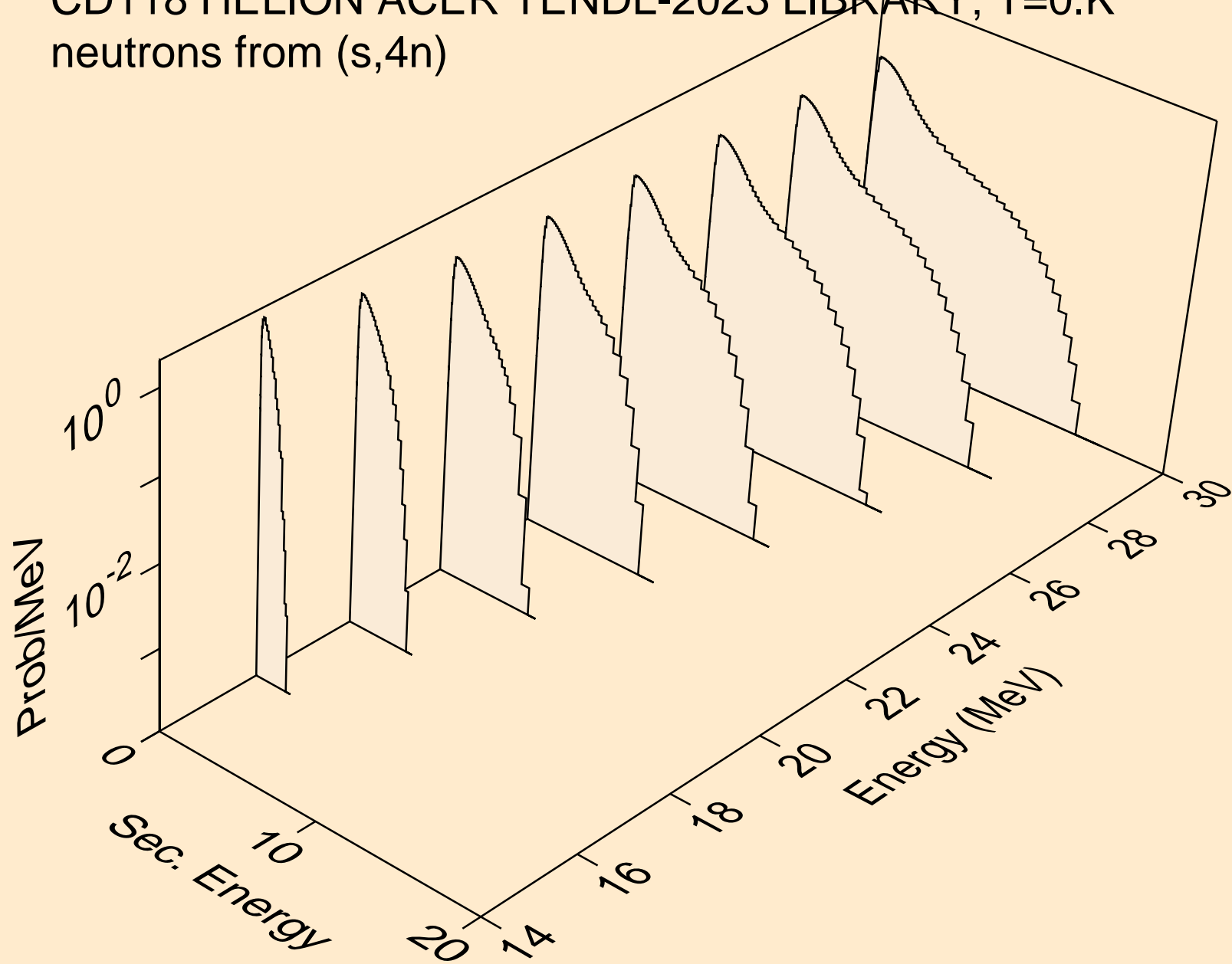
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)t



CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

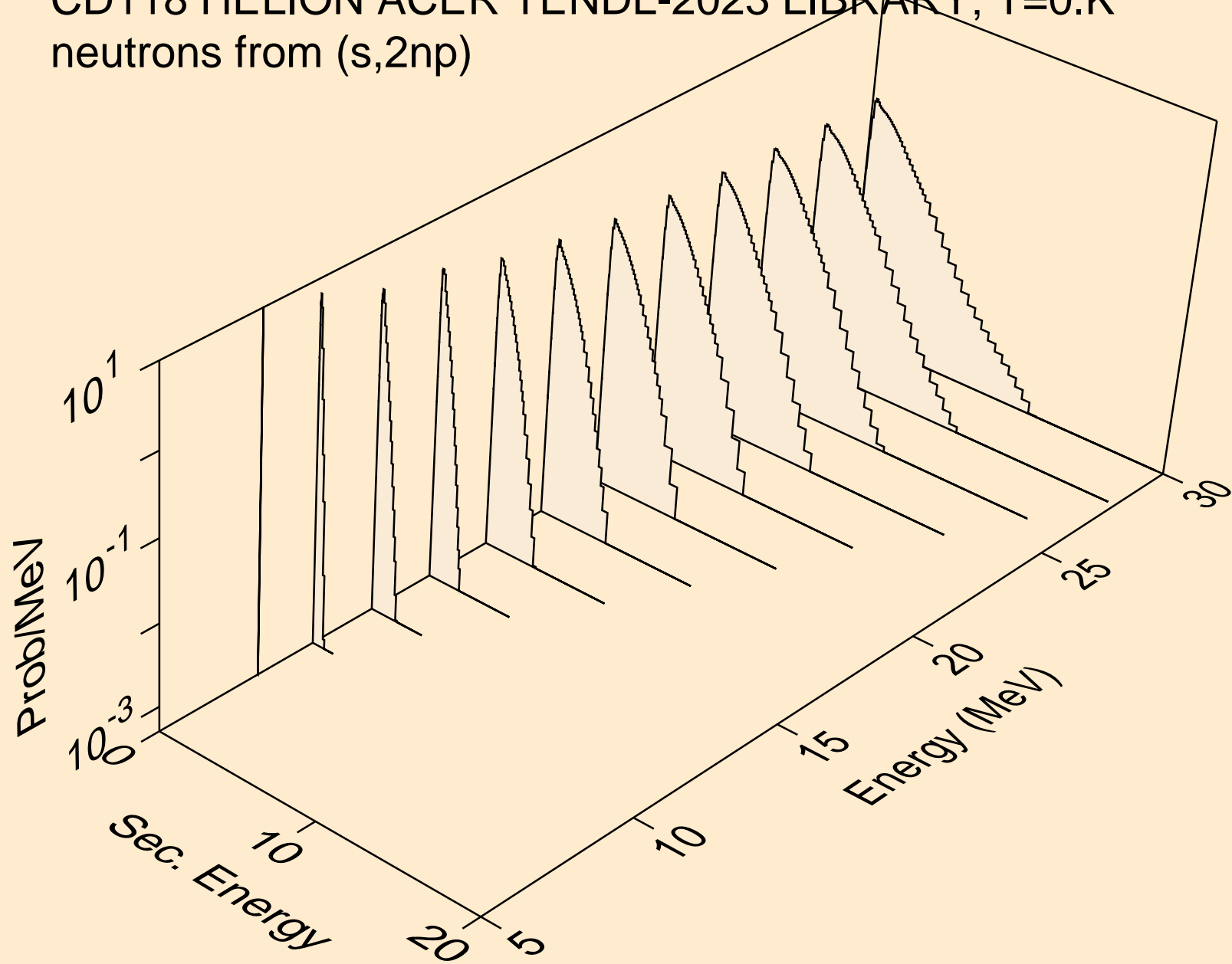


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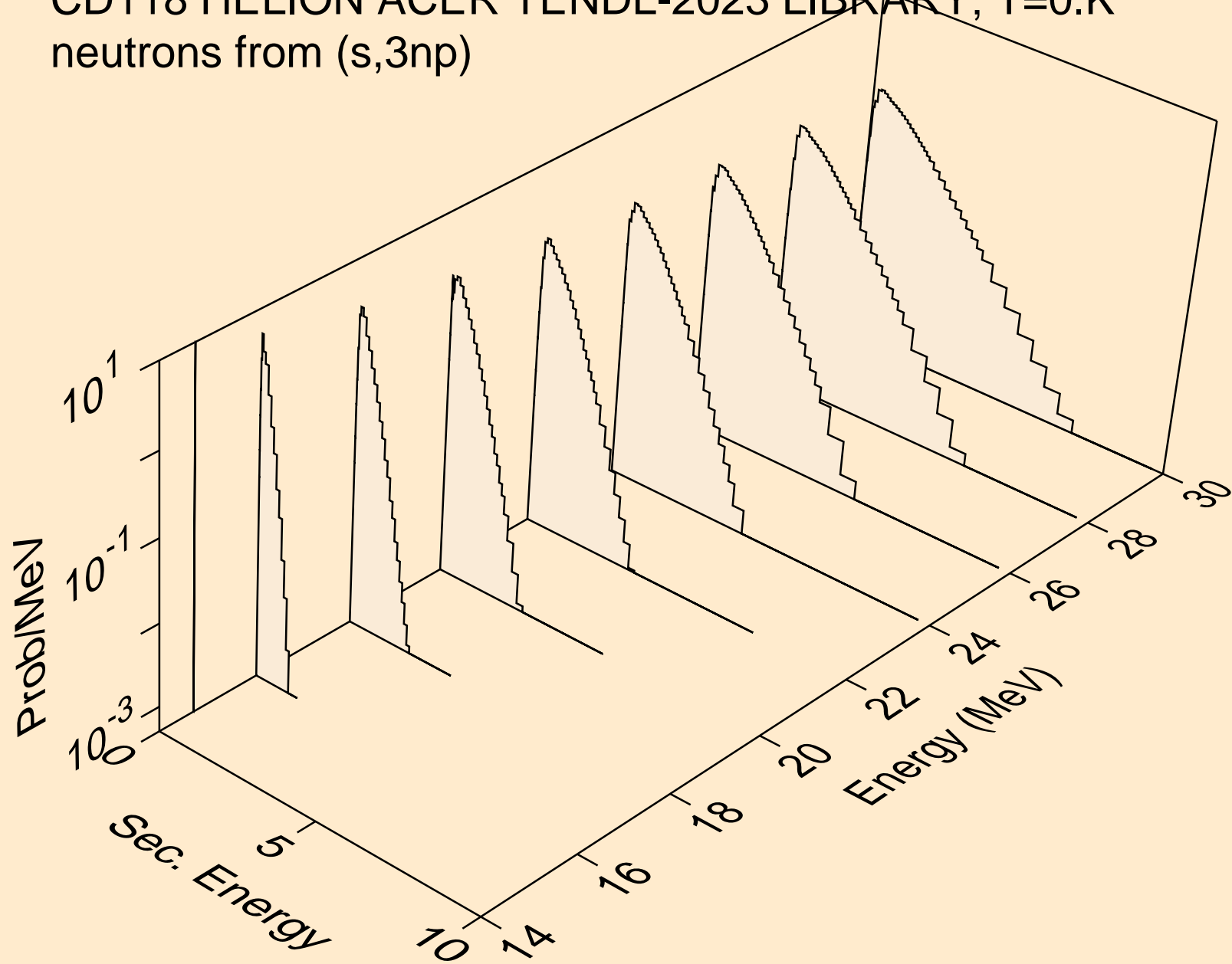




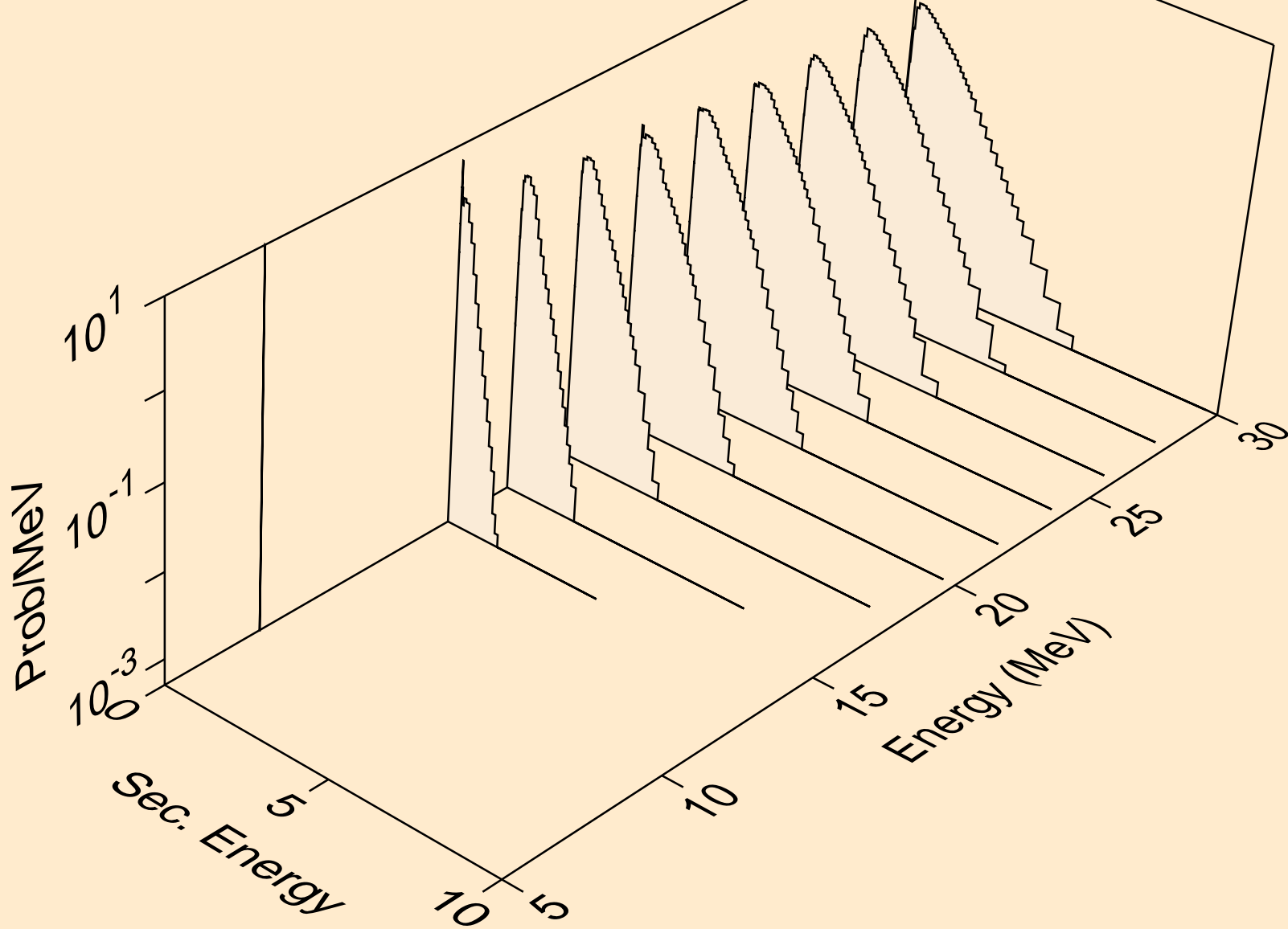
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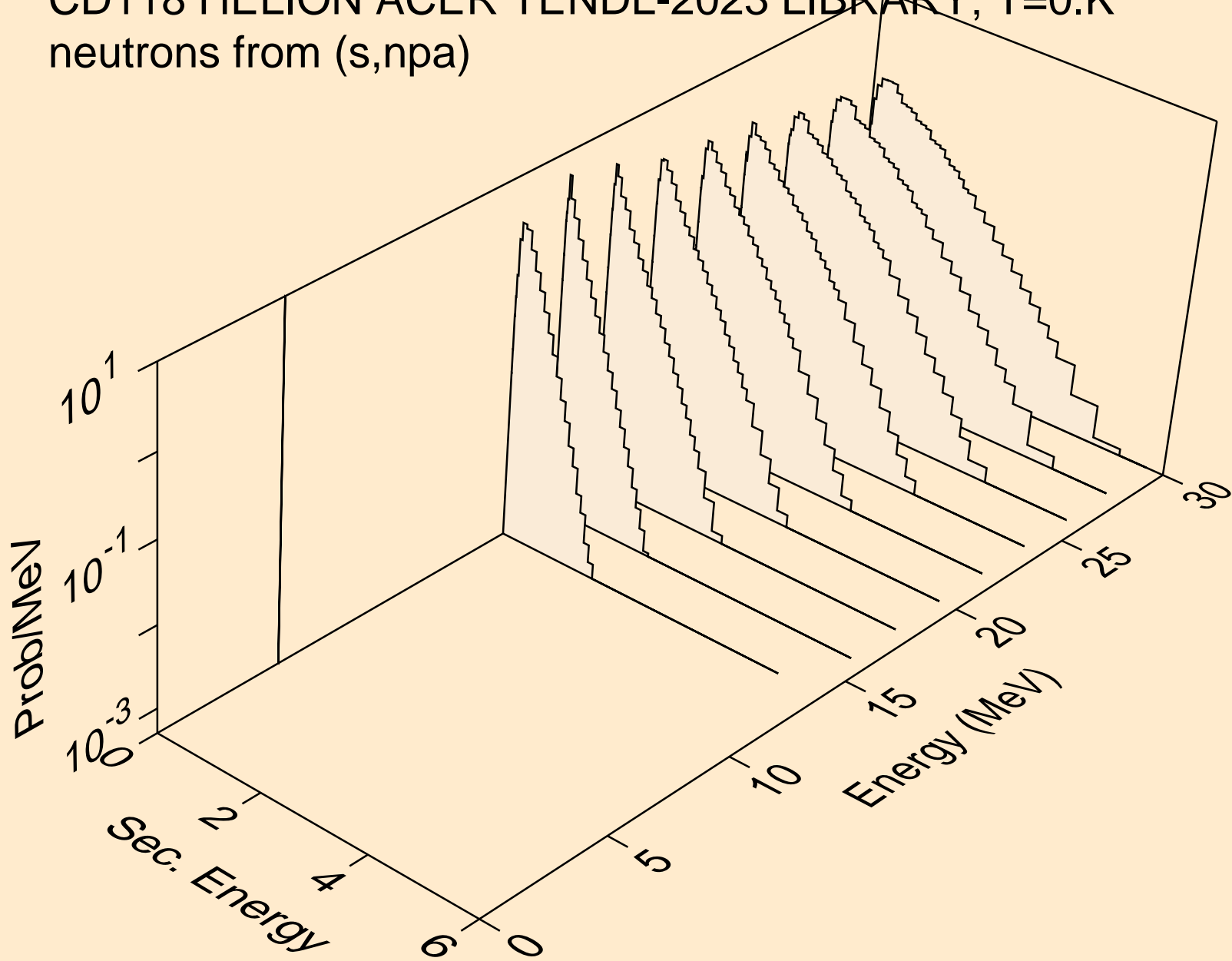
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neutrons from (s,3np)



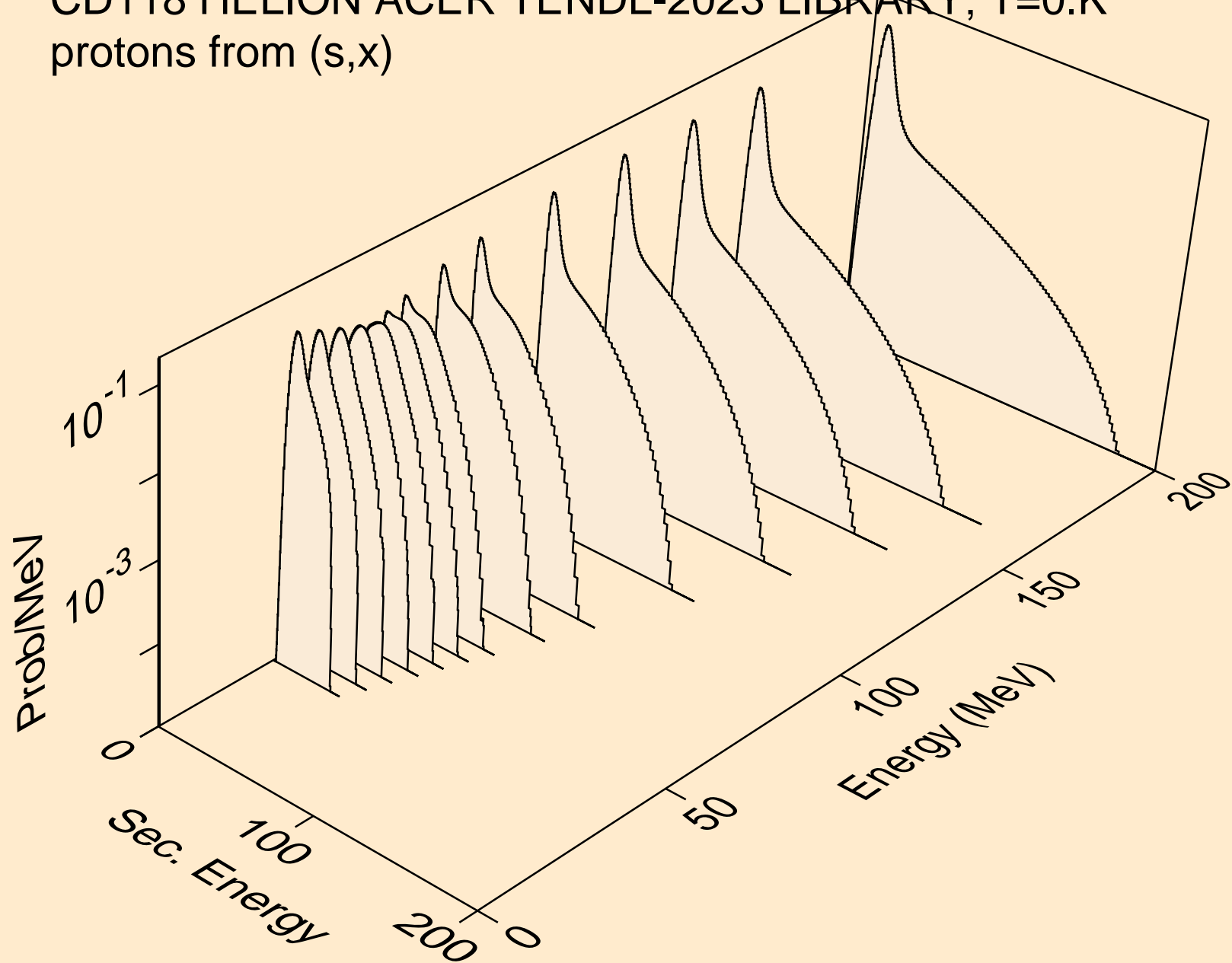
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neutrons from (s,n2p)



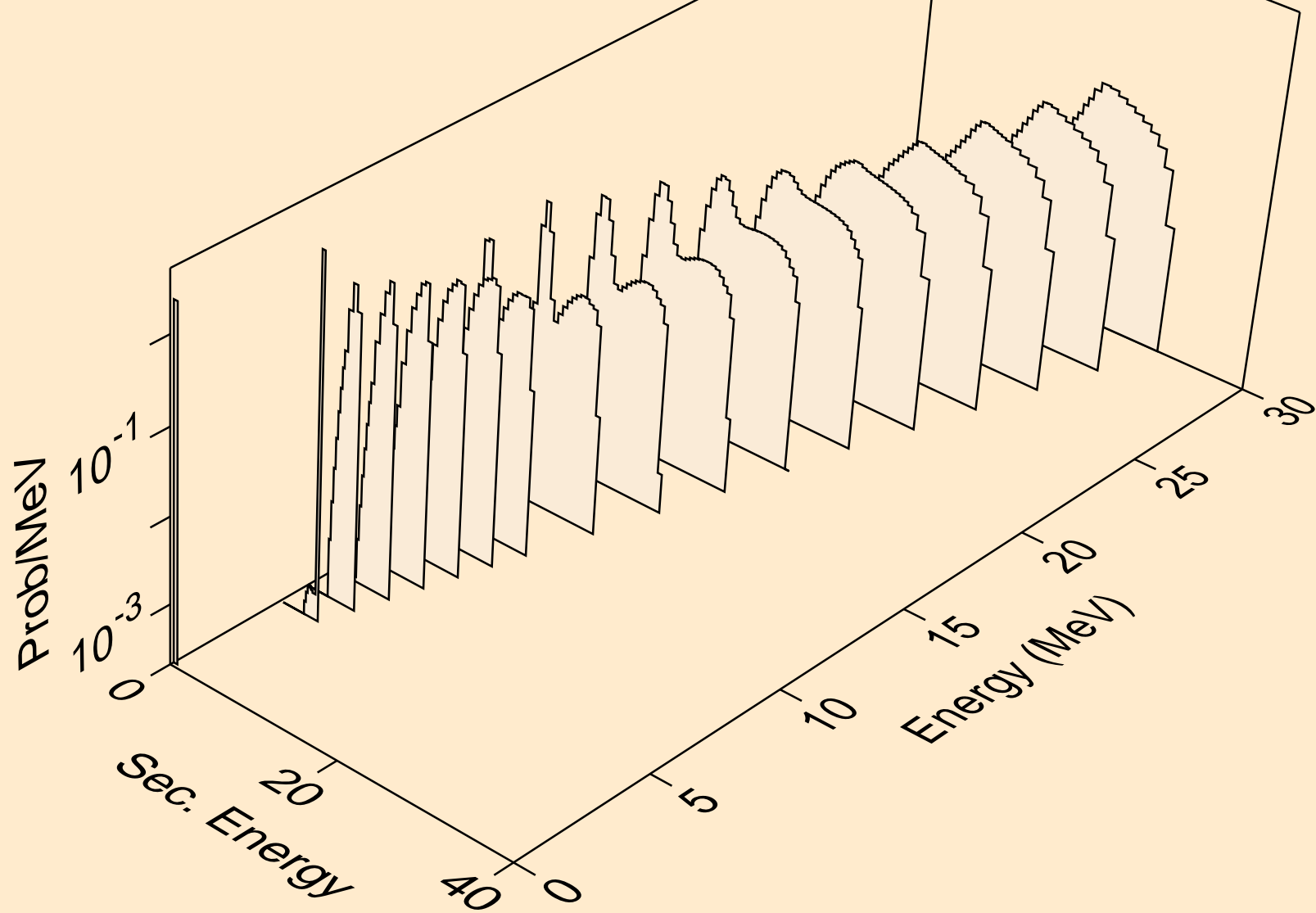
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,npa)



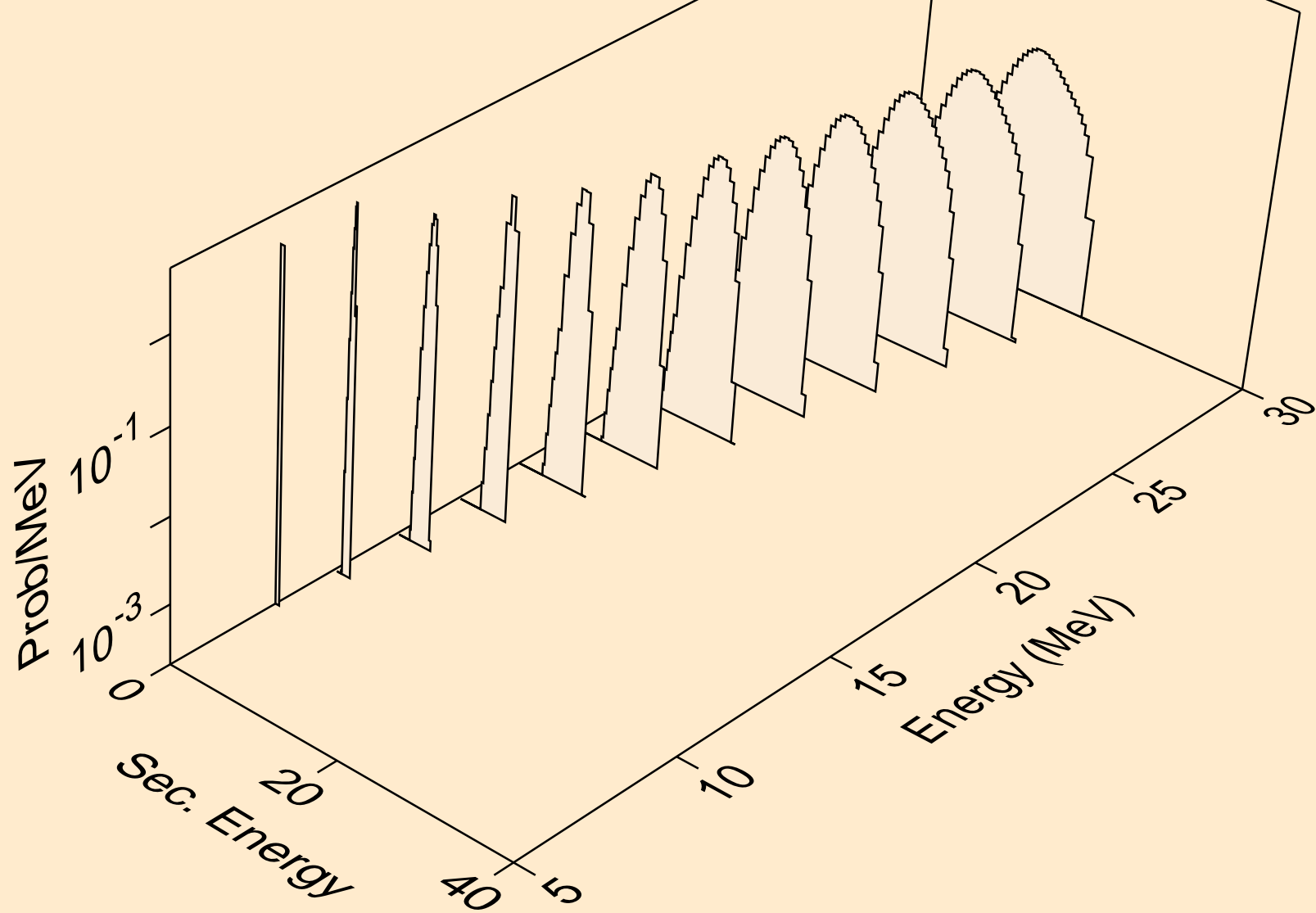
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,x)



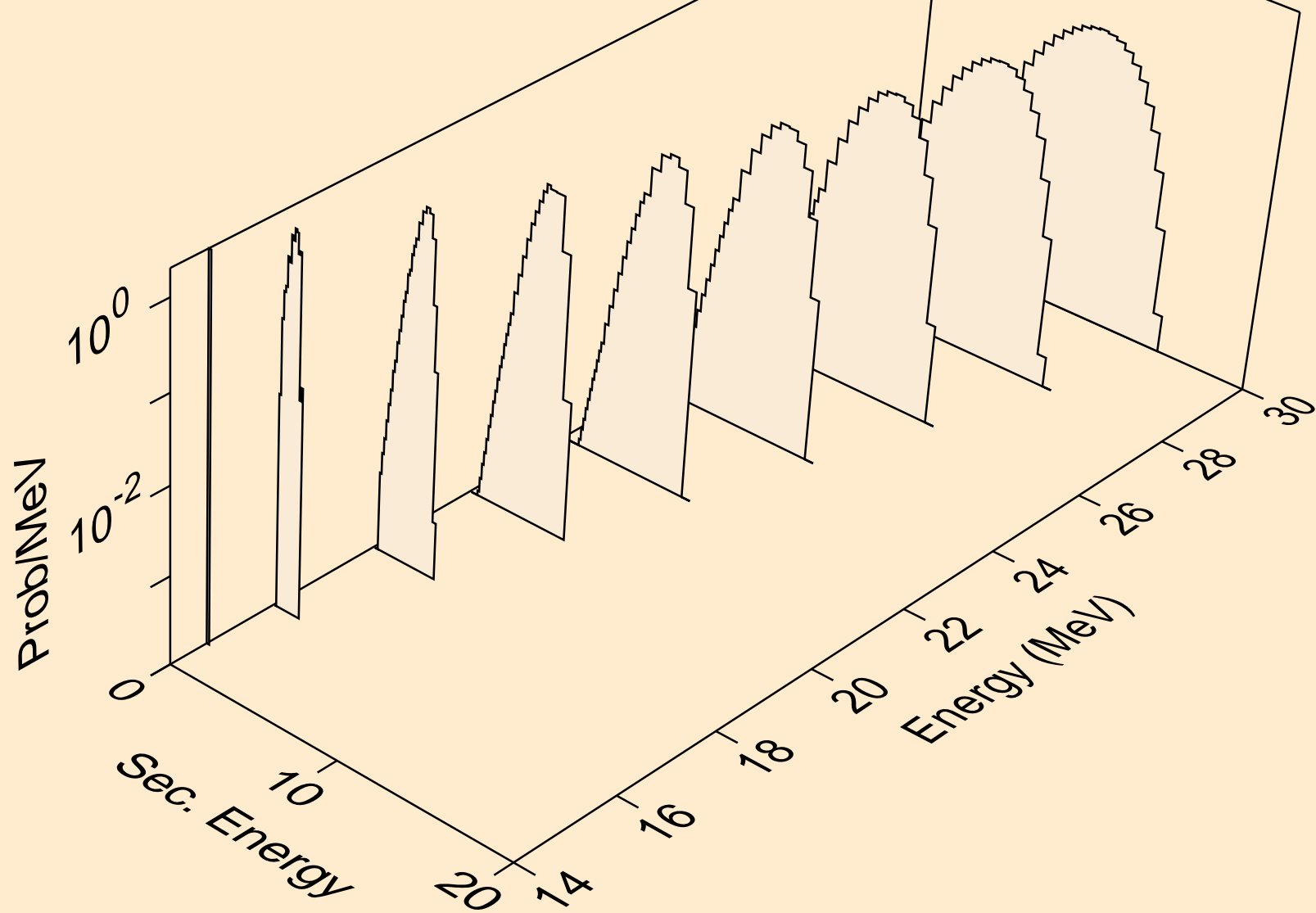
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n\*)p



CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,2np)

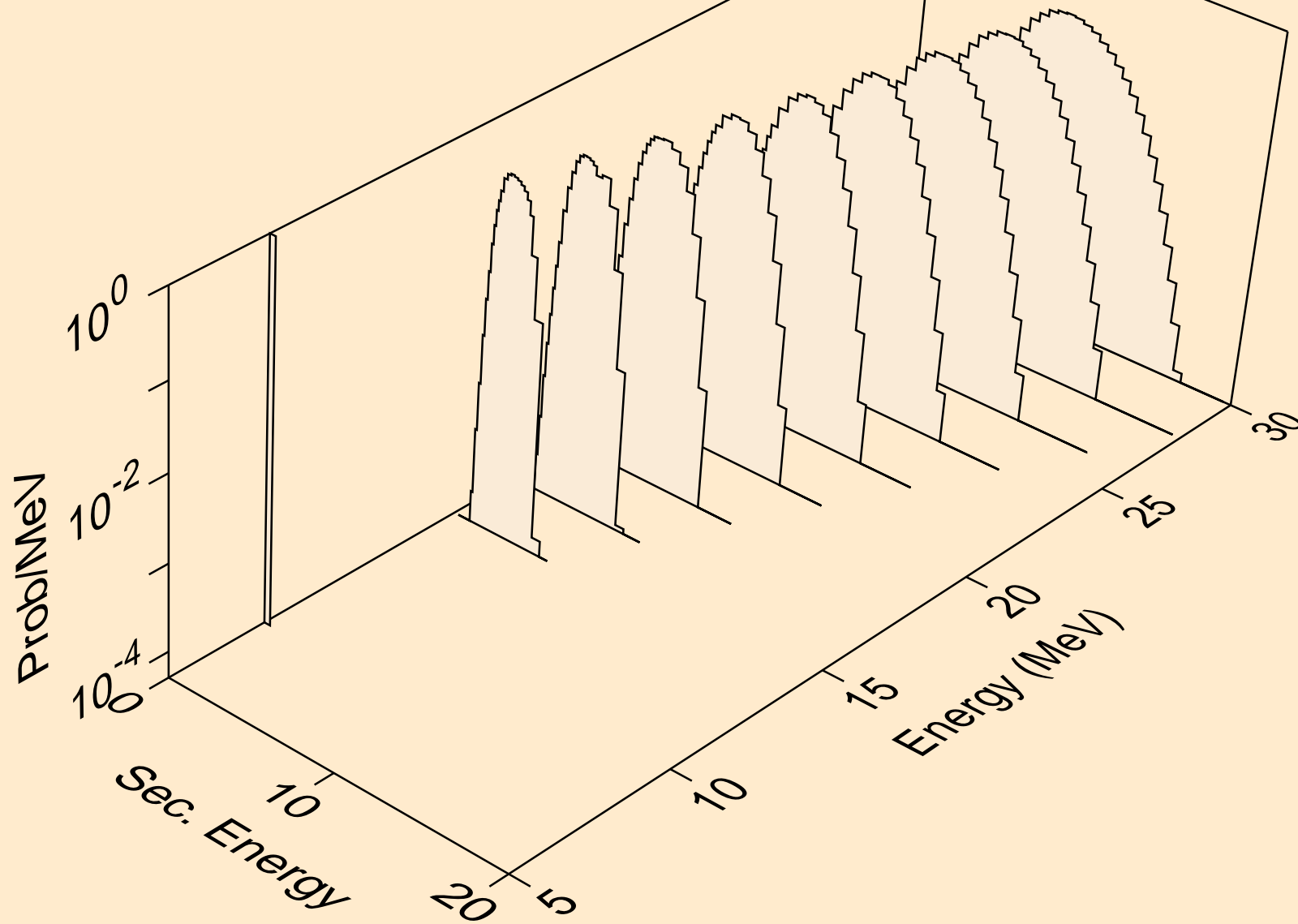


CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,3np)

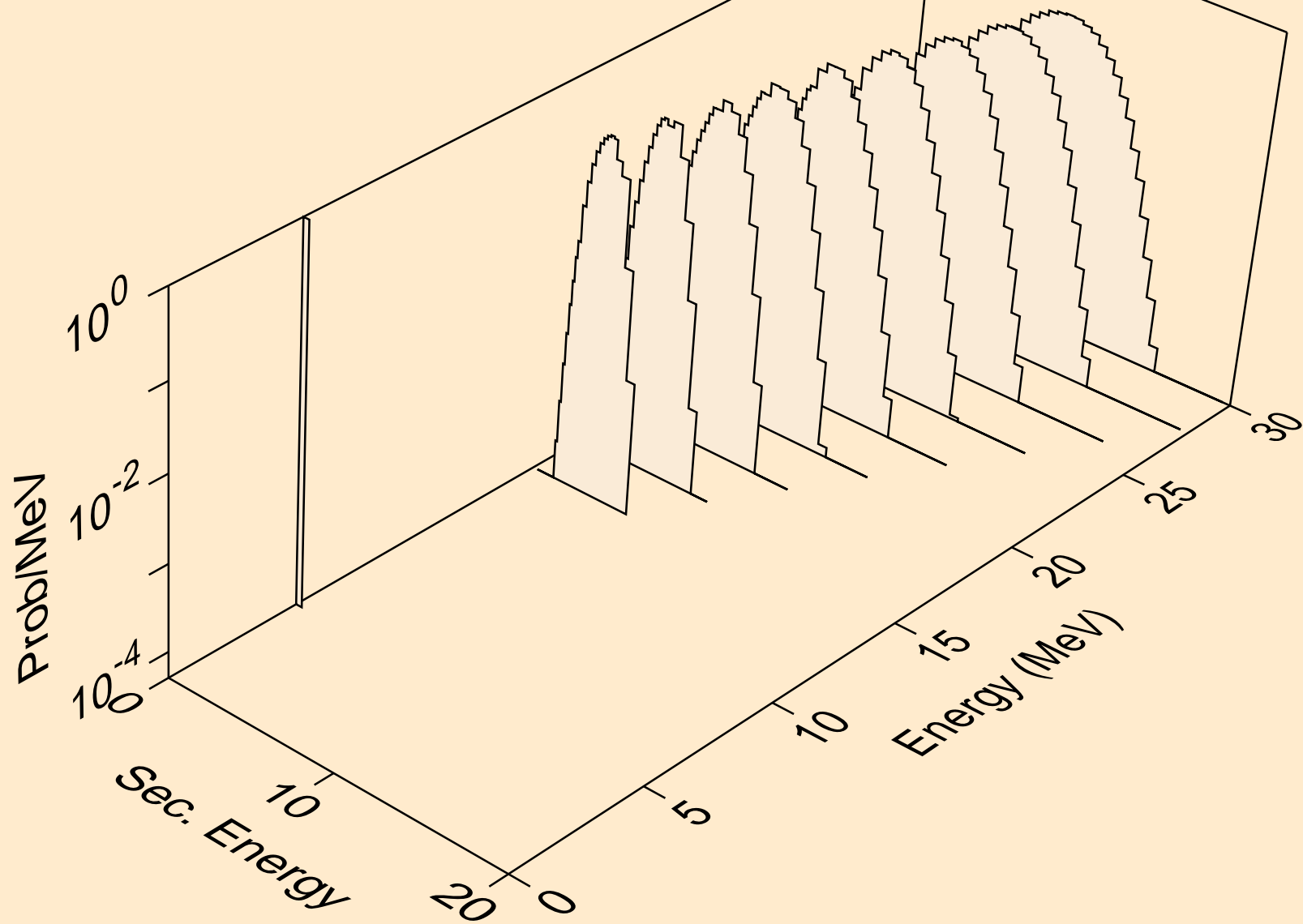




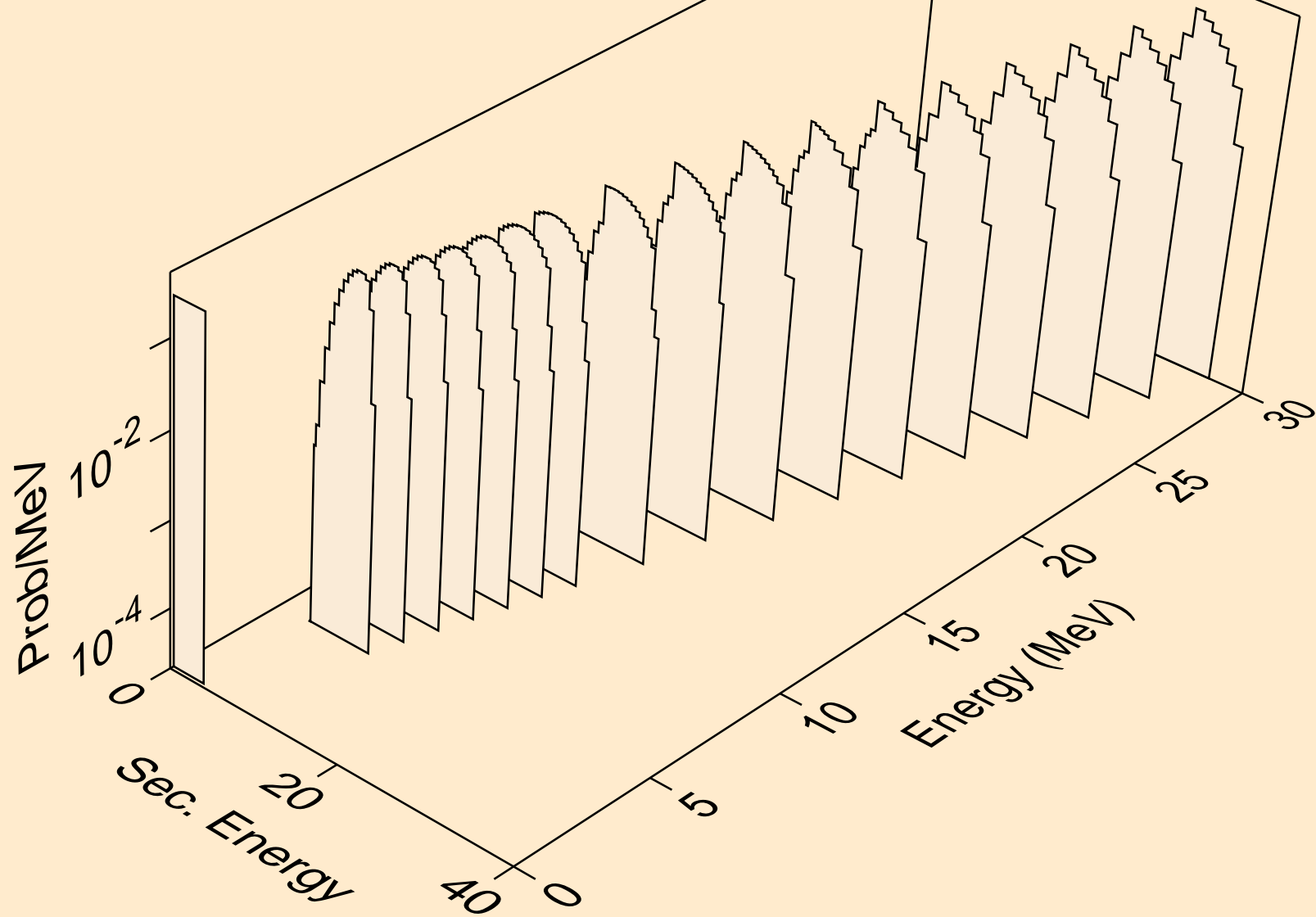
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n2p)



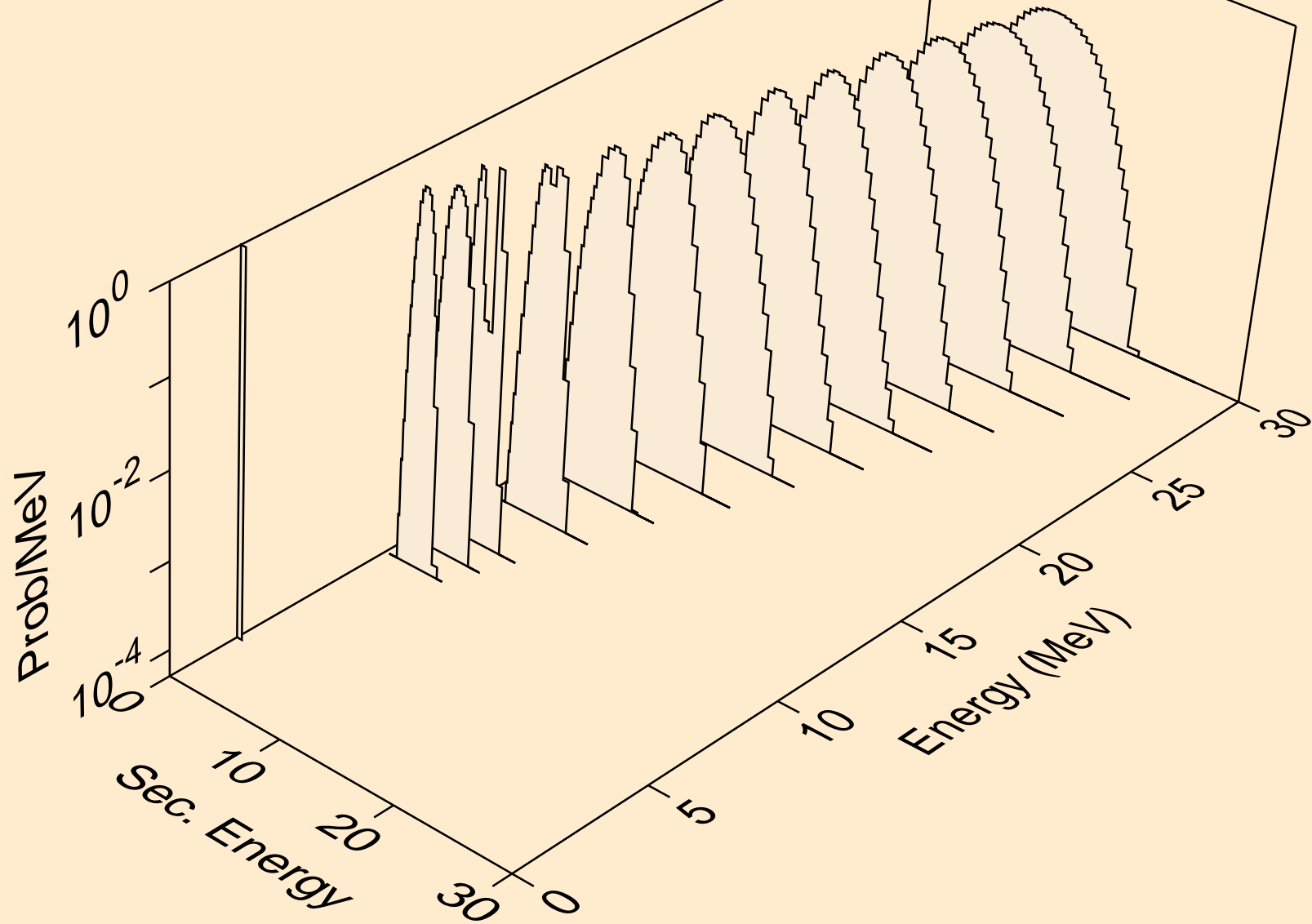
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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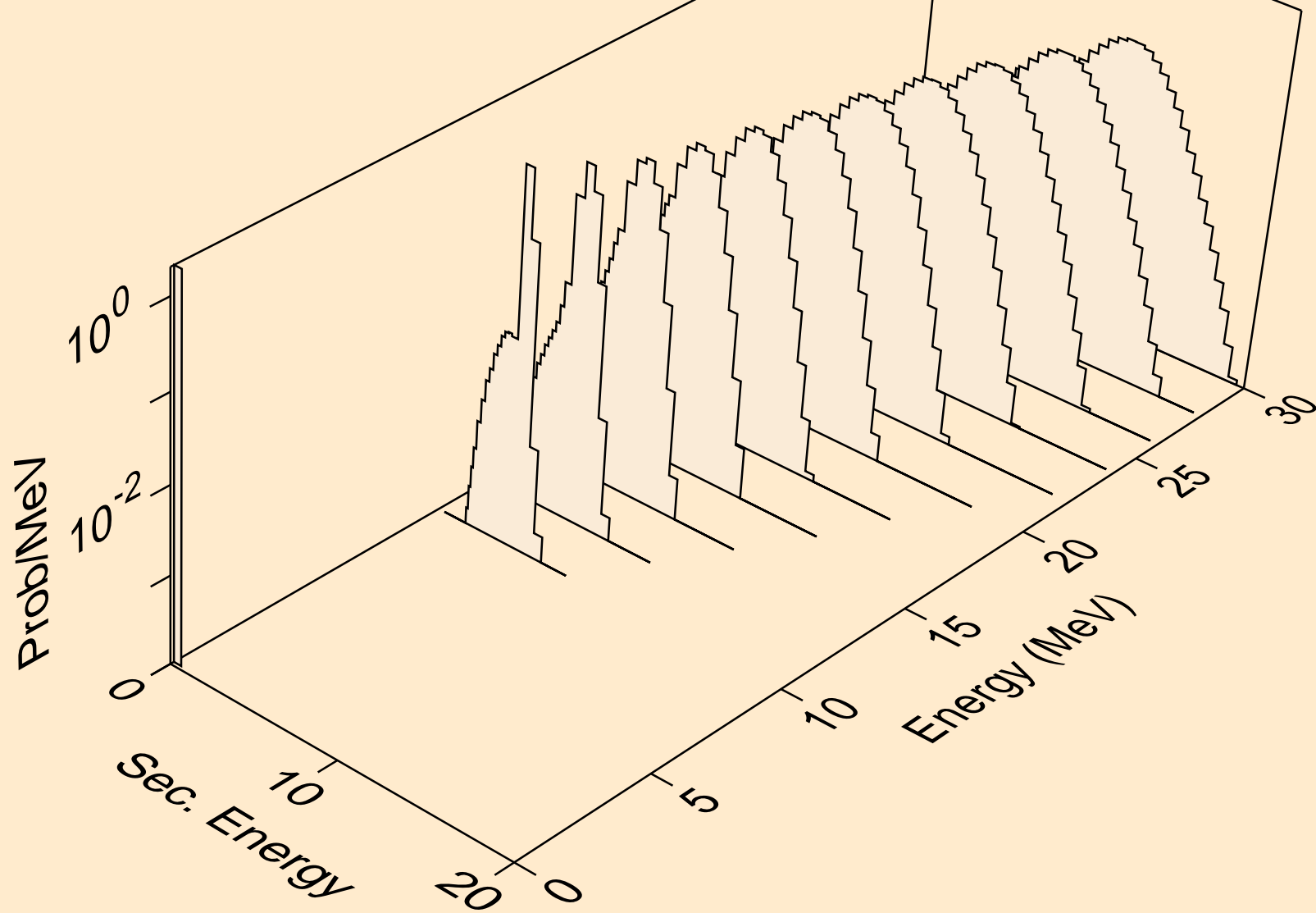
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,p)



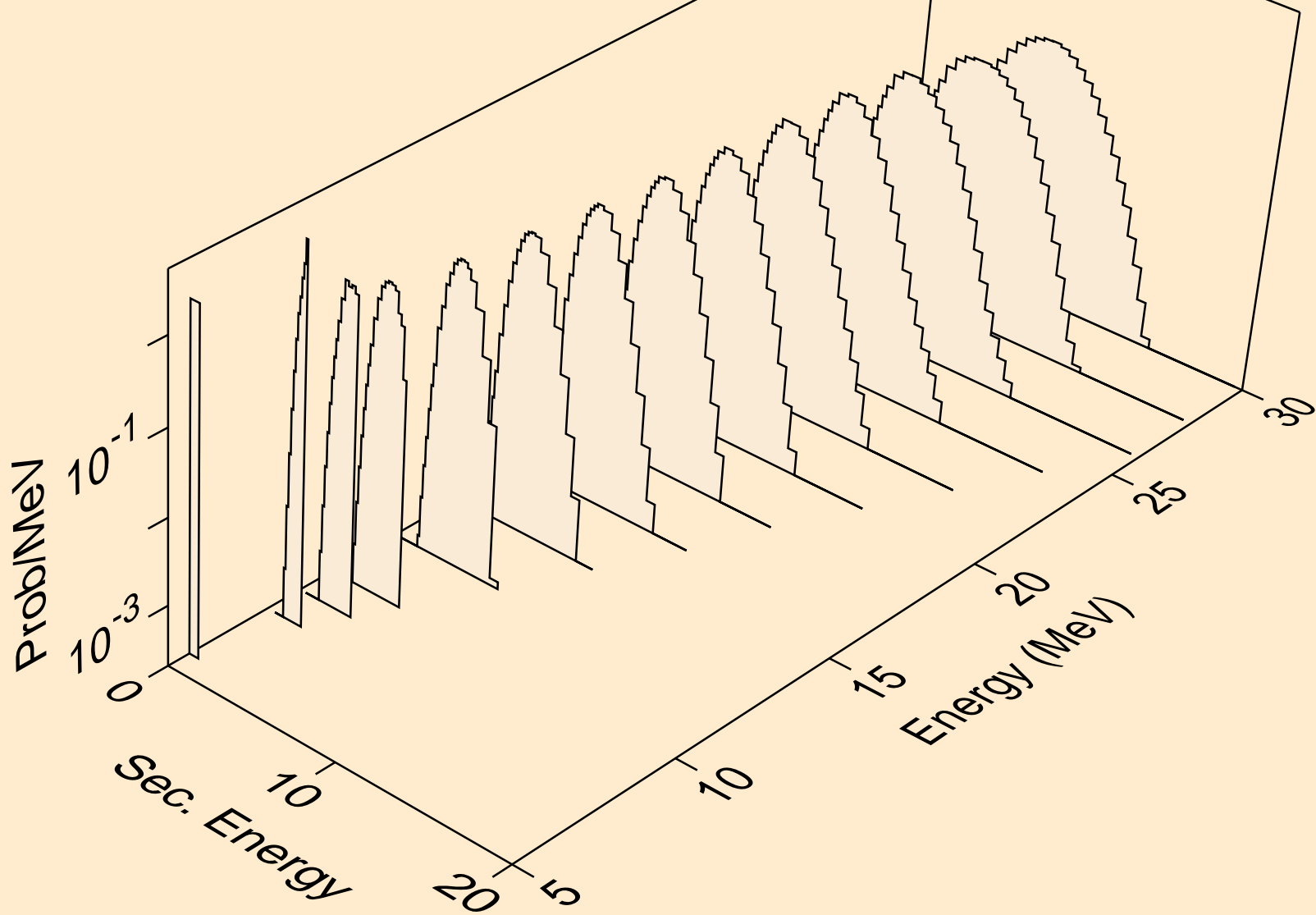
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,2p)



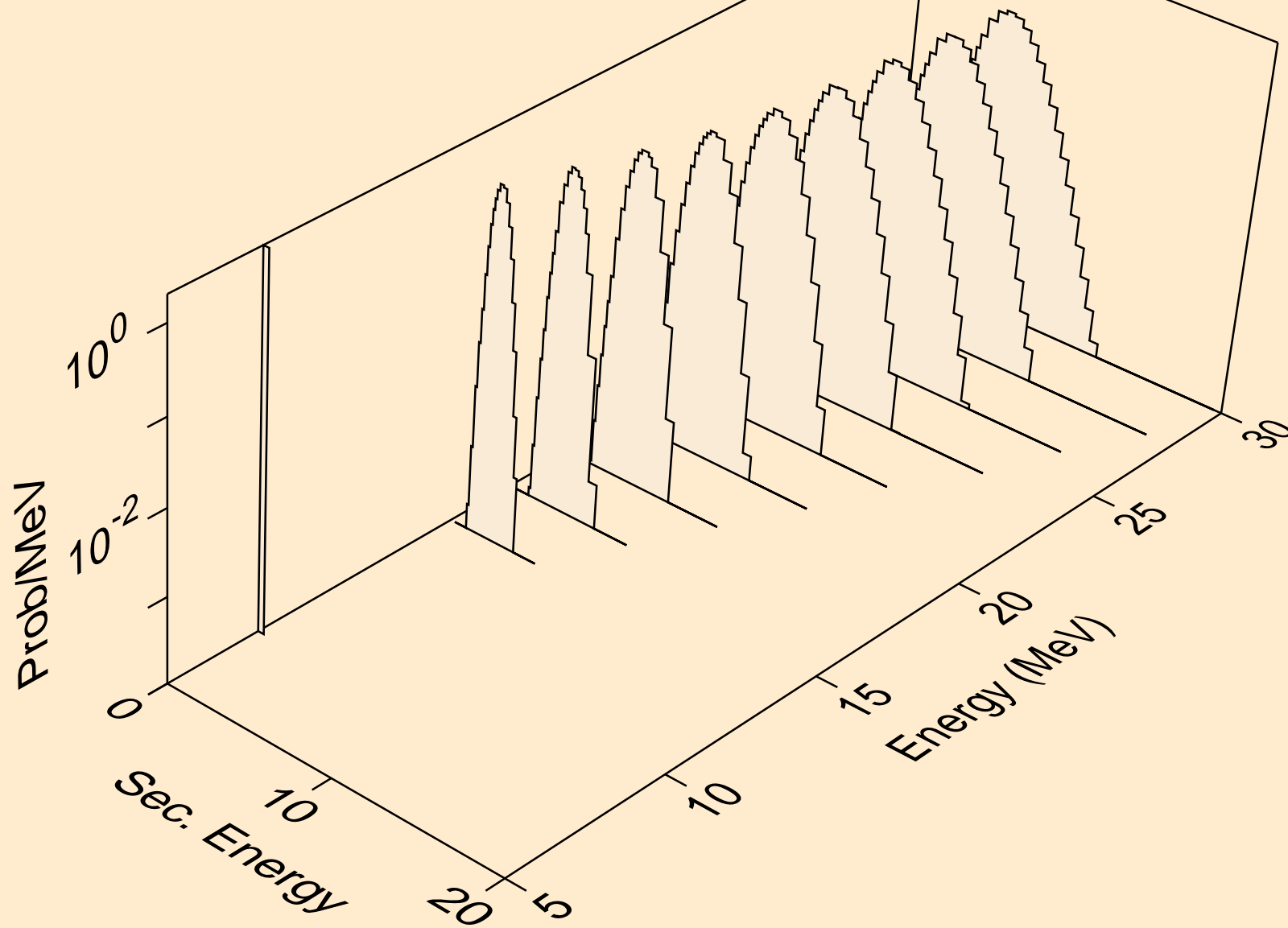
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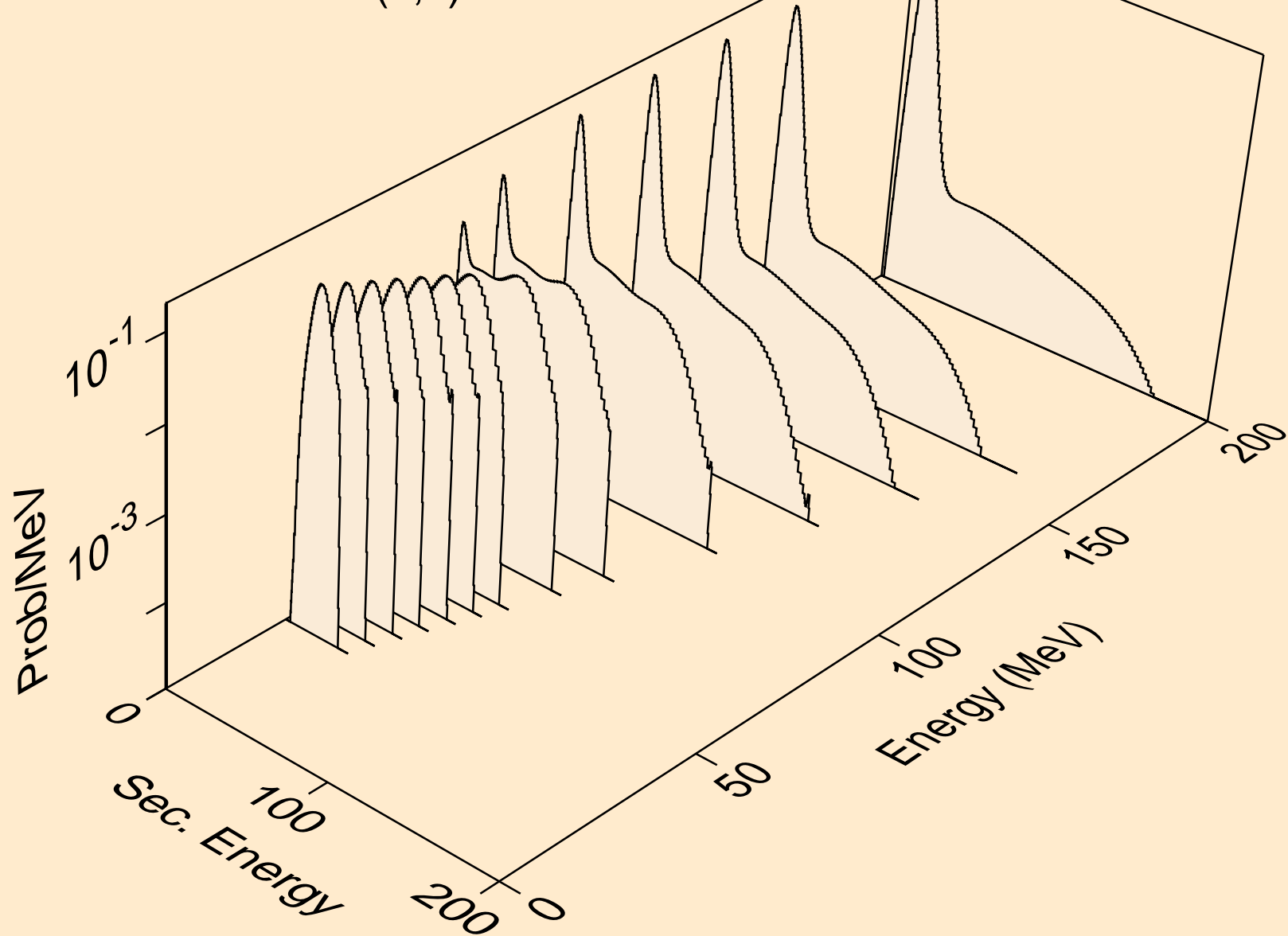
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pd)



CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pt)

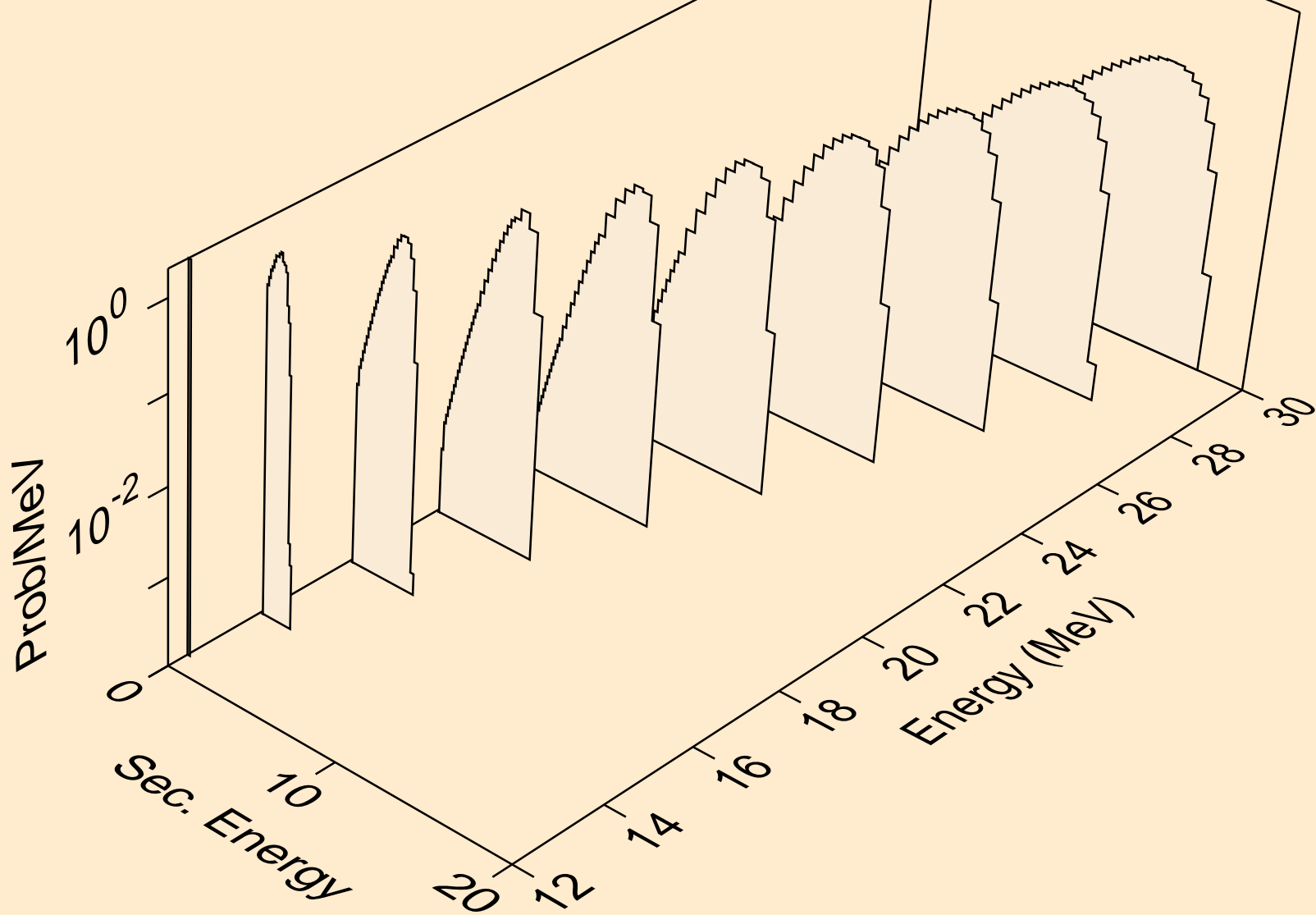


CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,x)

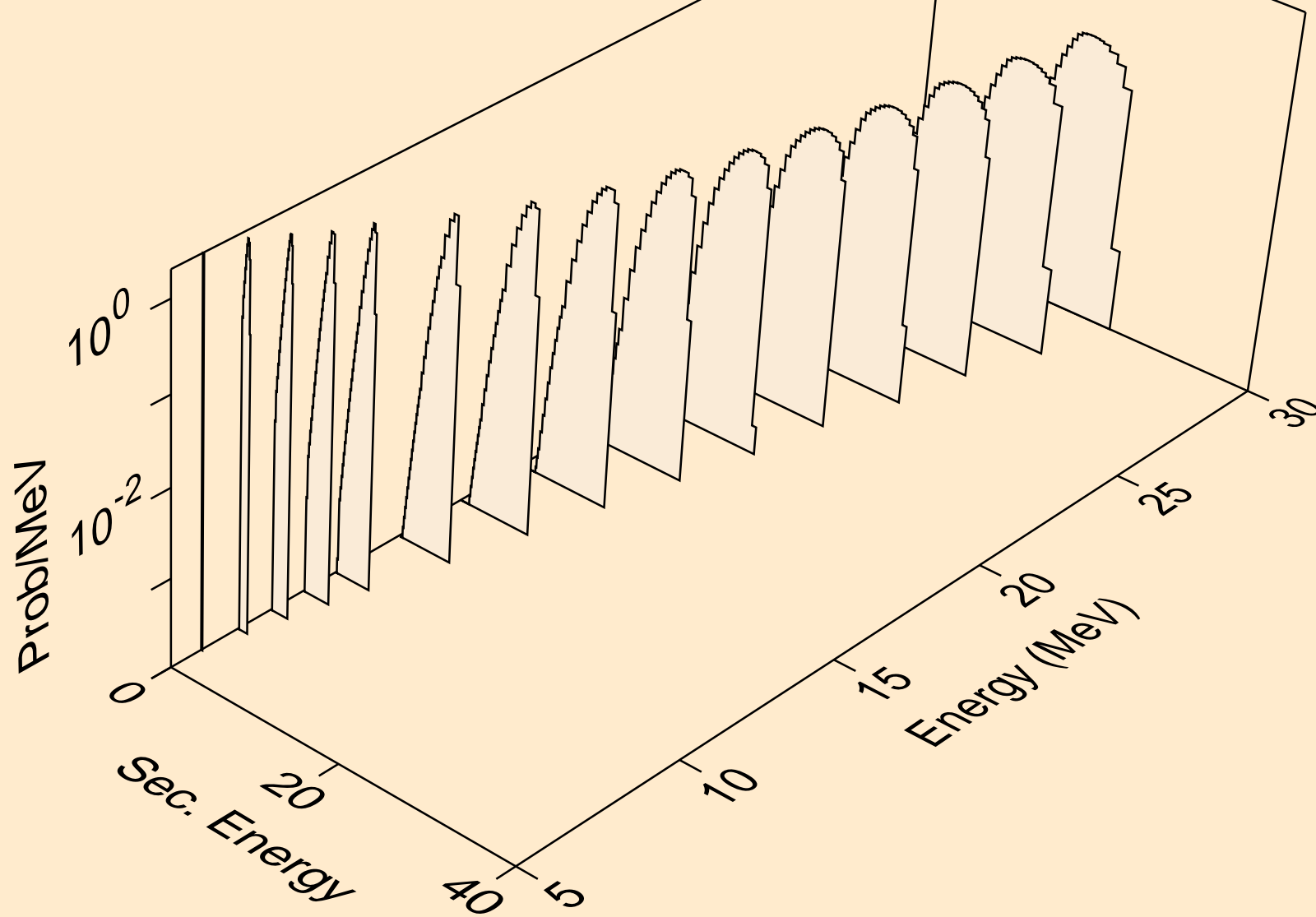




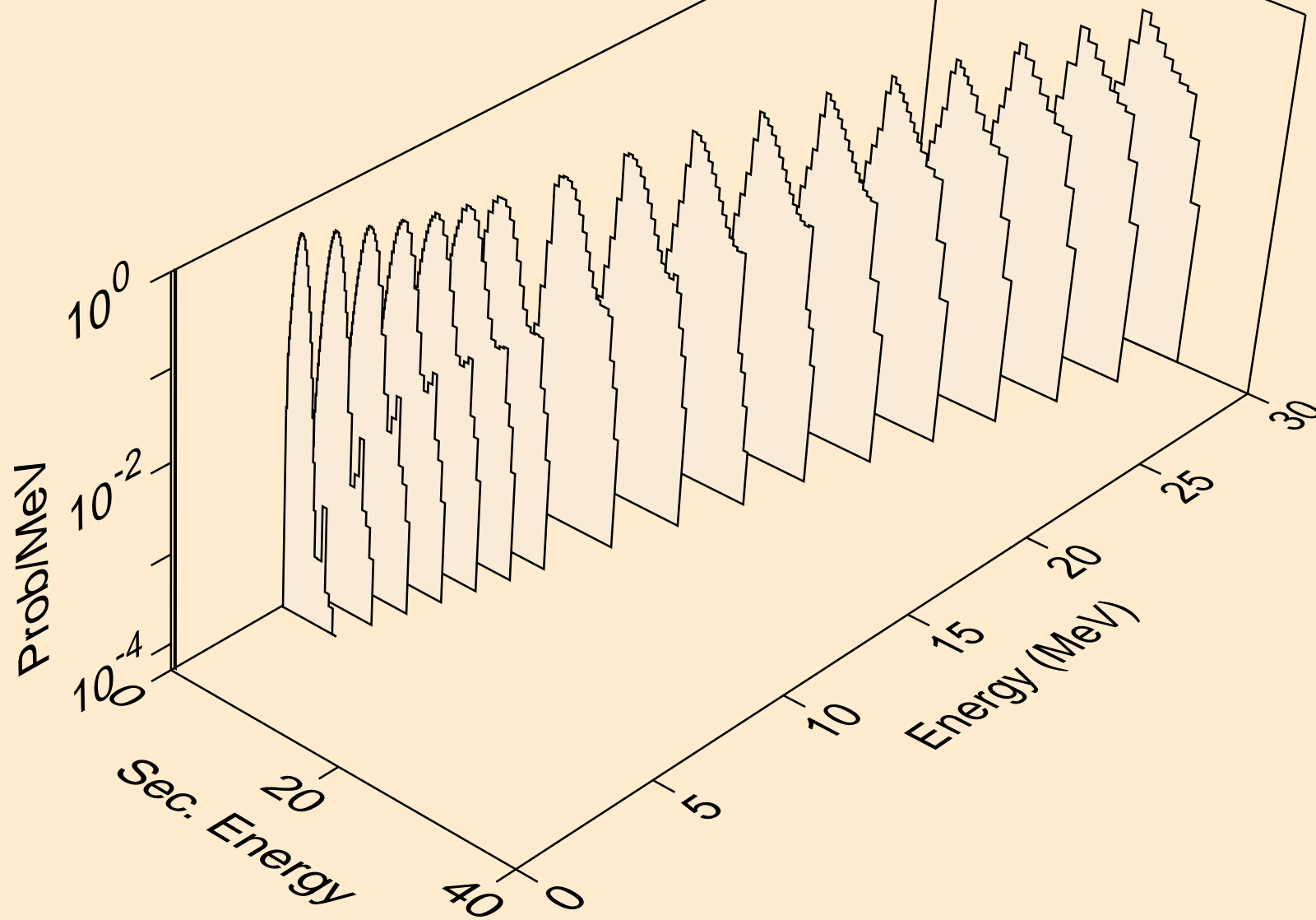
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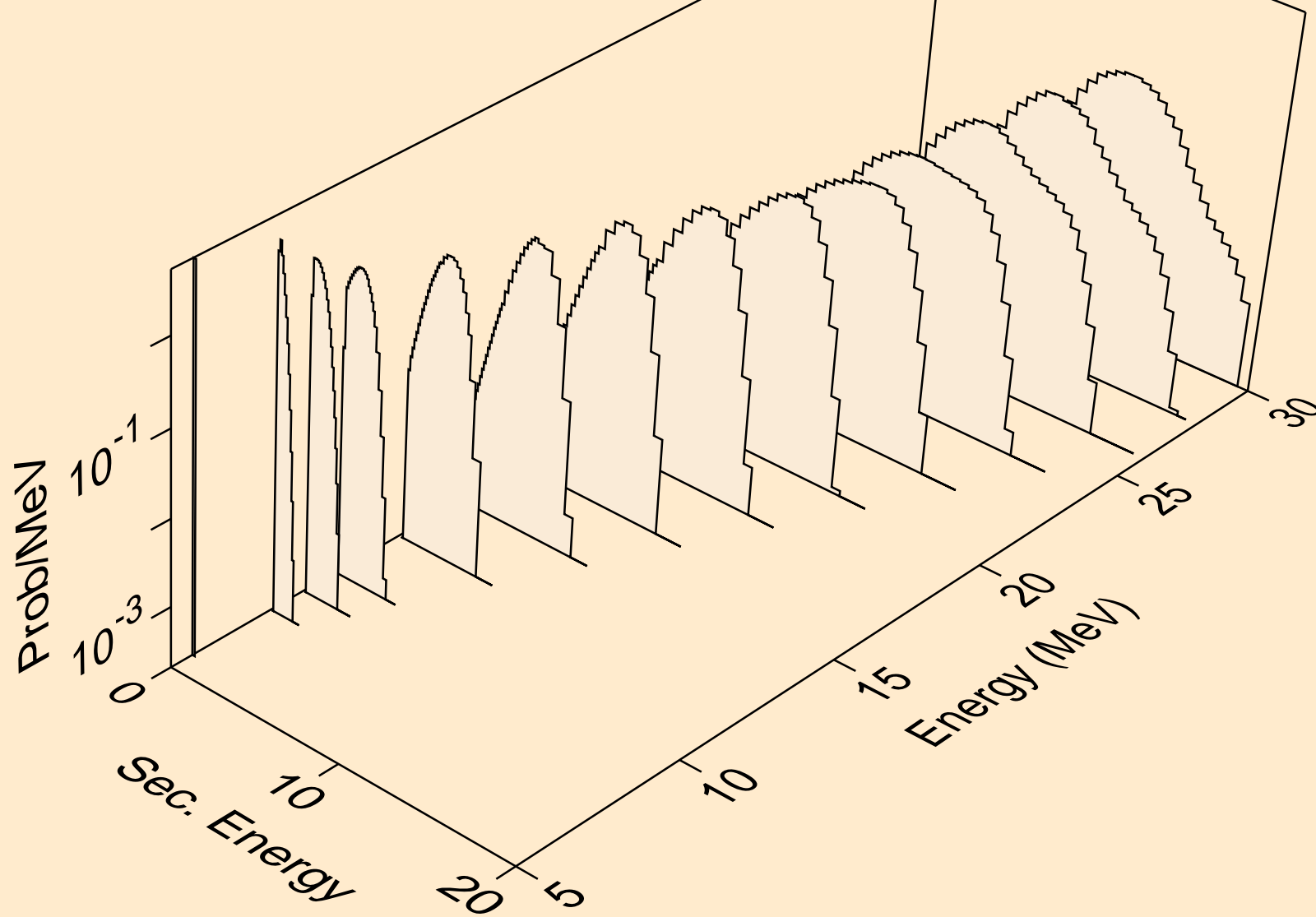
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,n\*)d



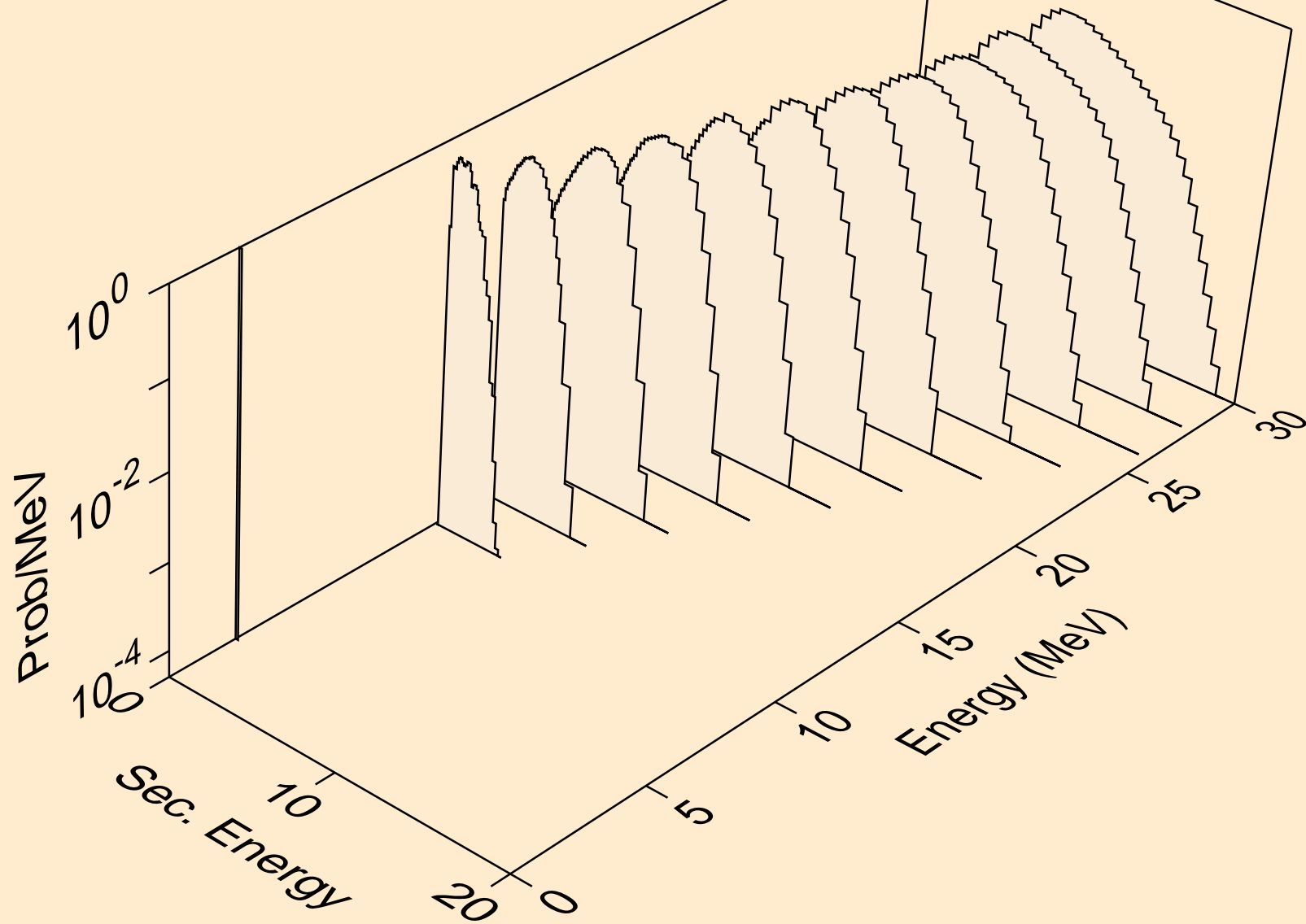
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deuterons from (s,d)



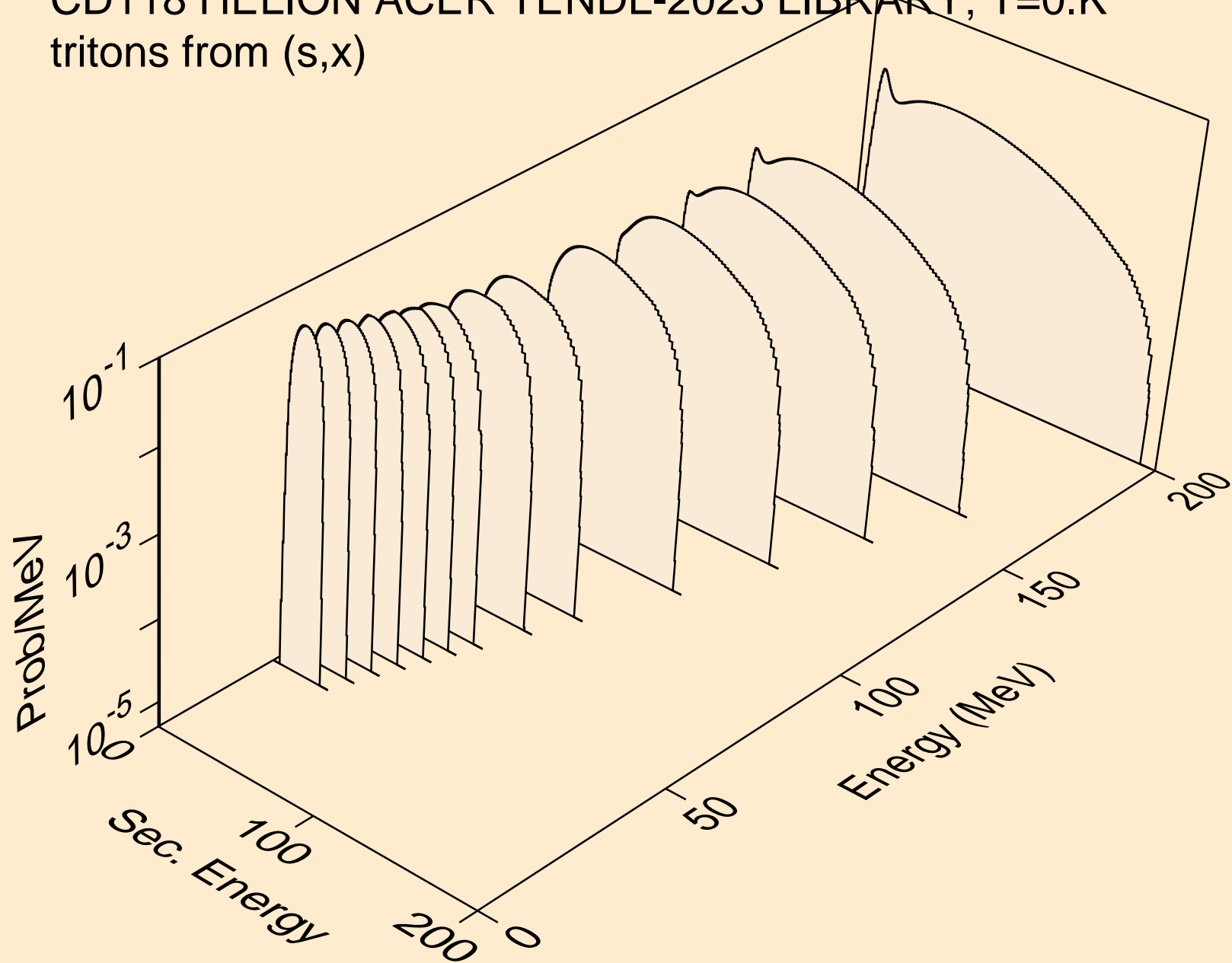
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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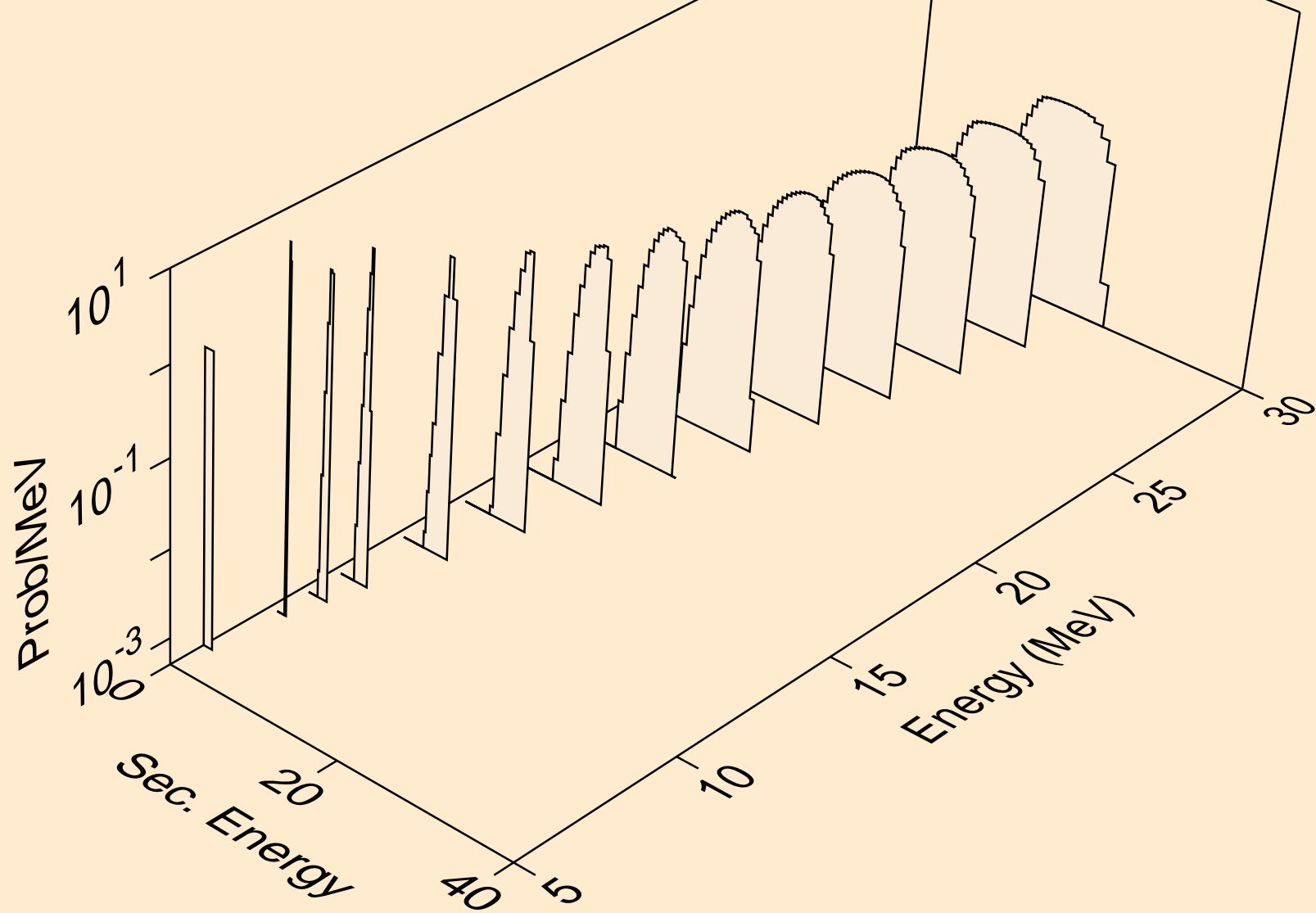
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,da)



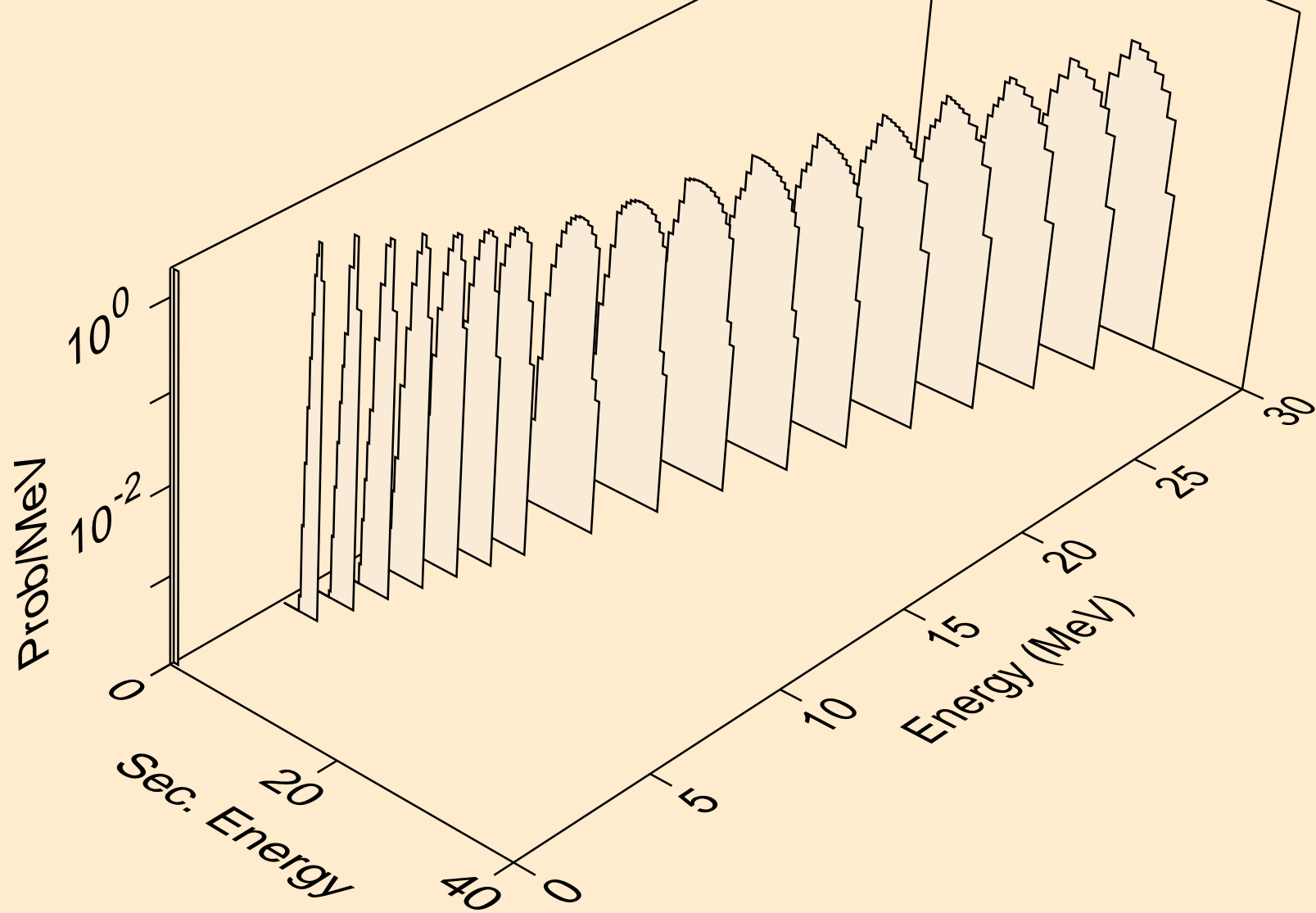
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,x)



CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,n\*)t

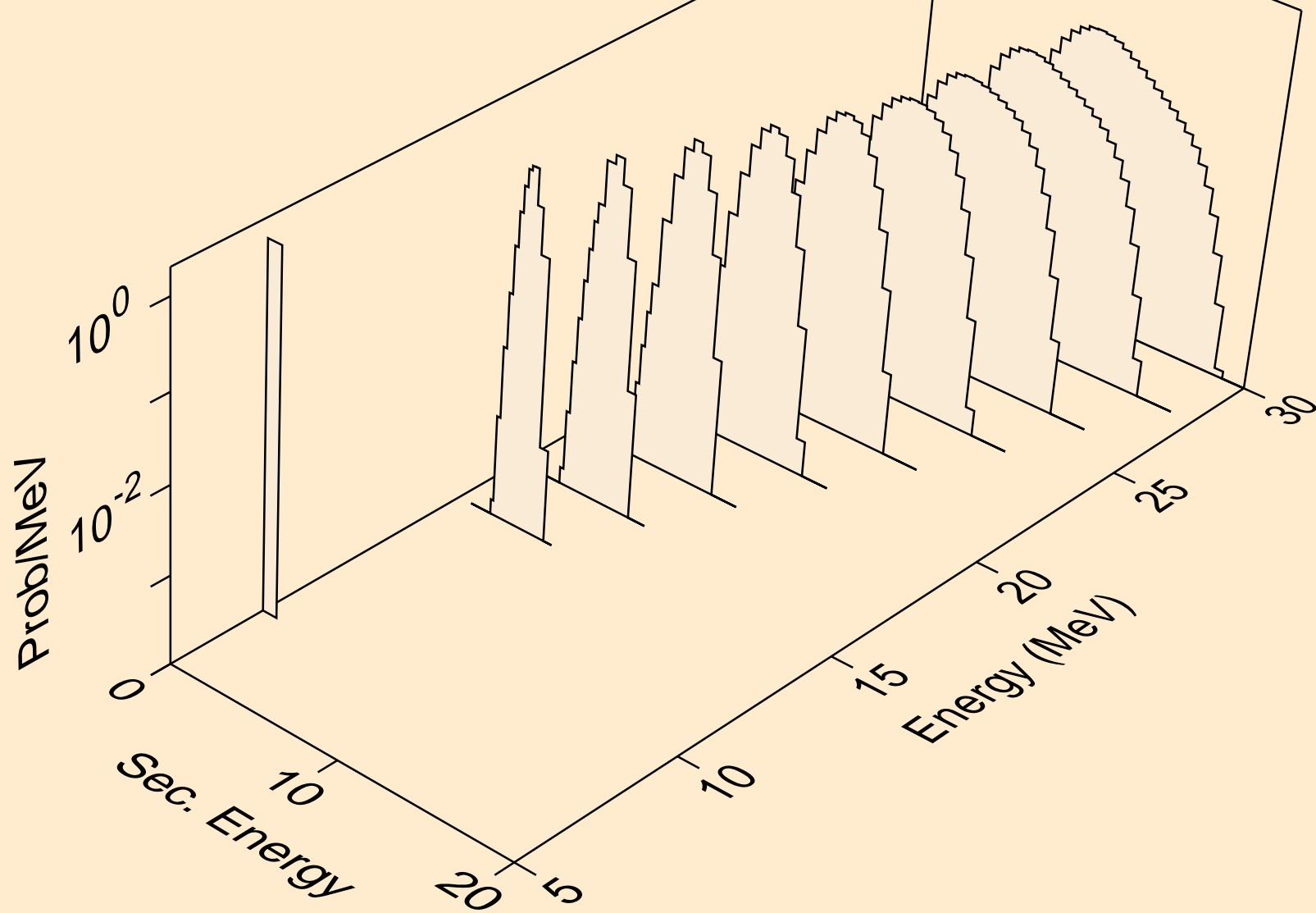


CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,t)

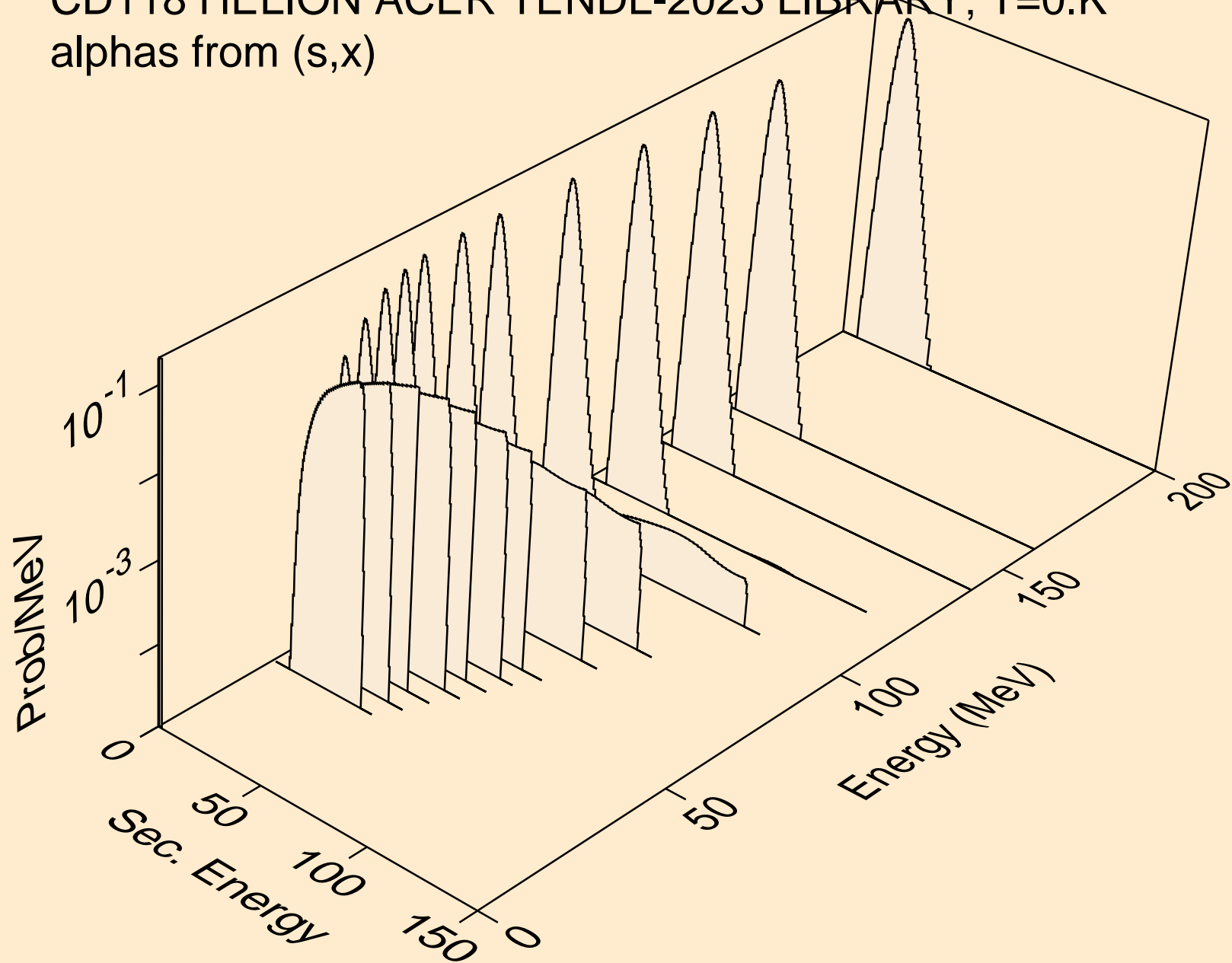




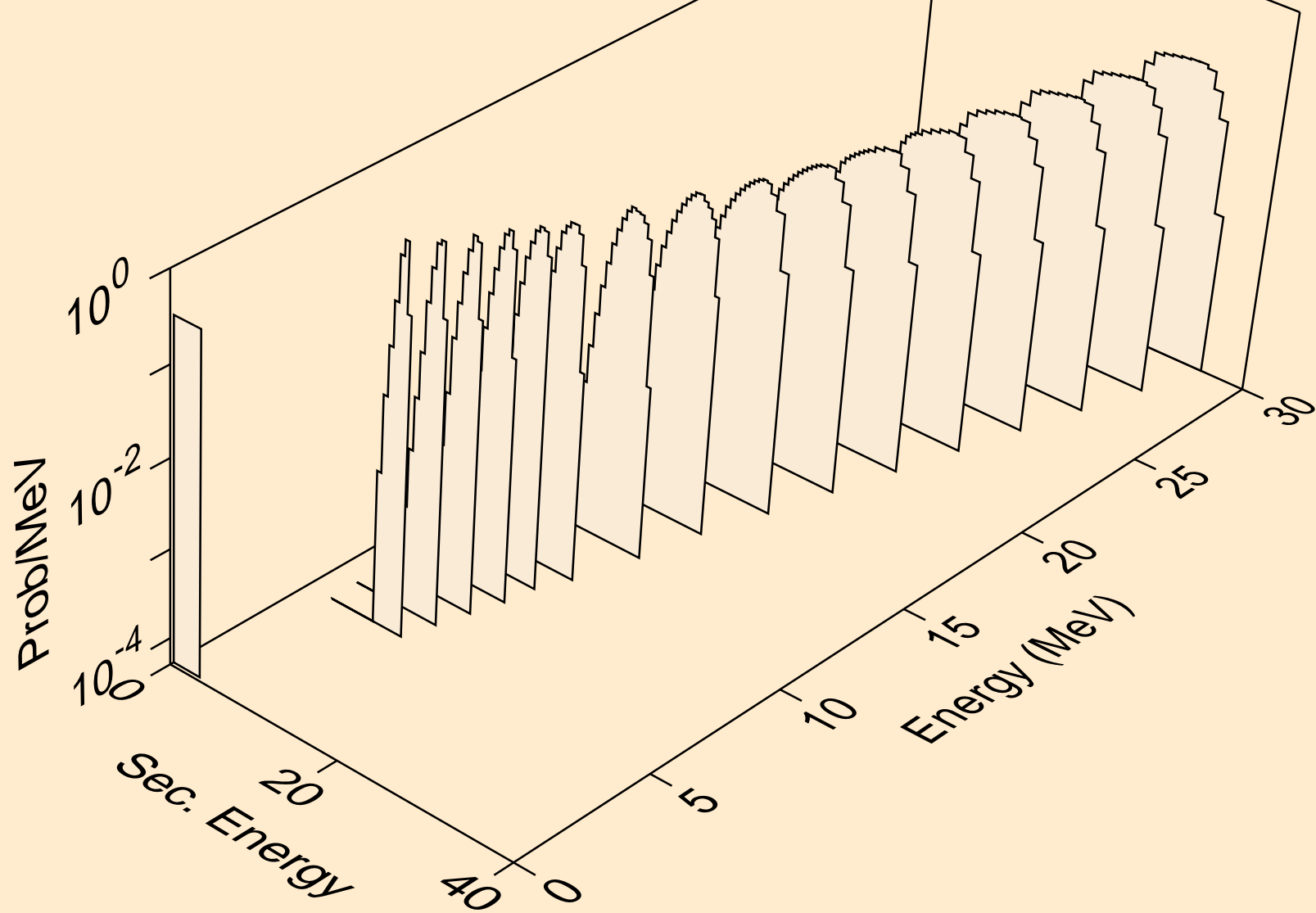
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,pt)



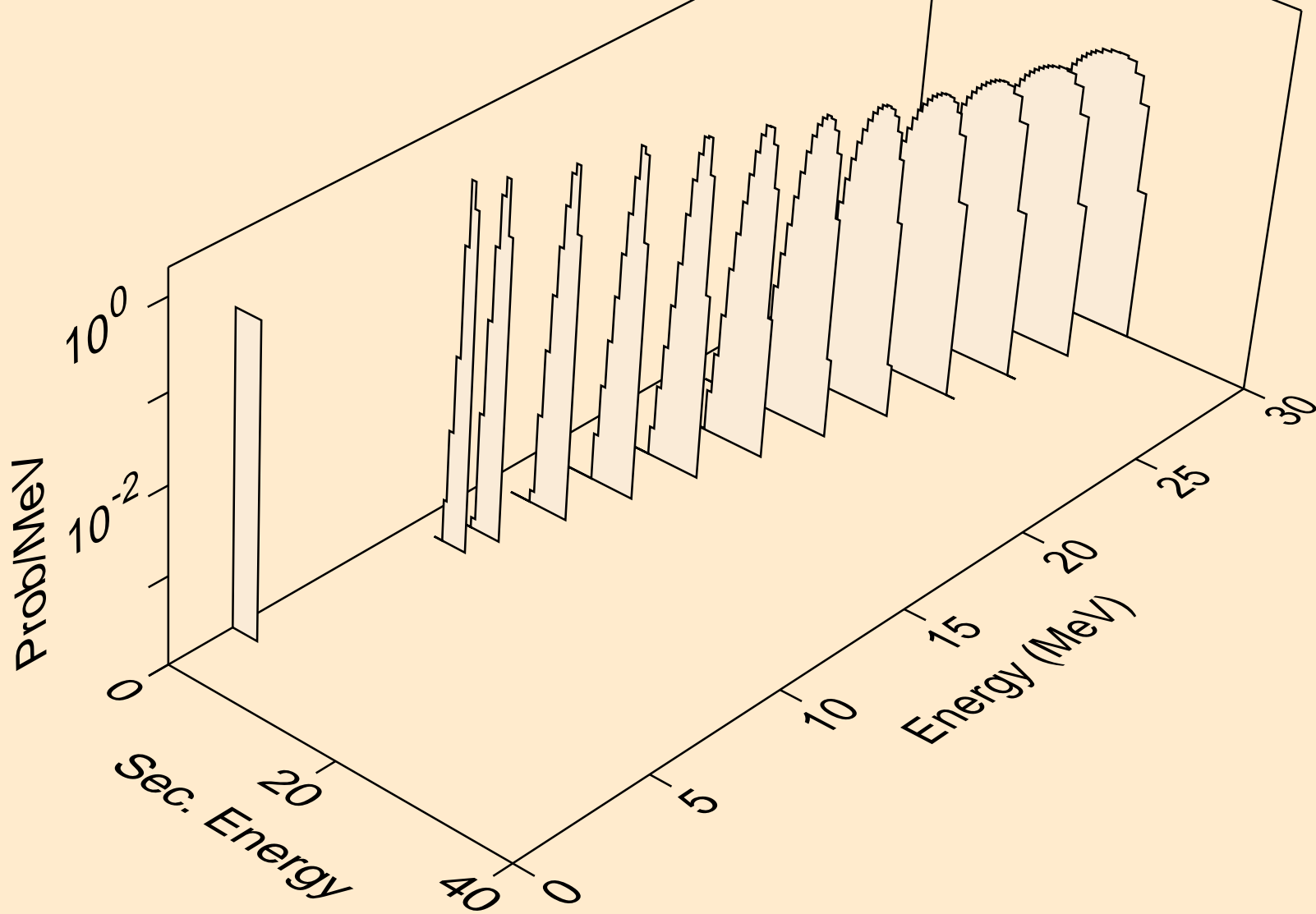
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,x)



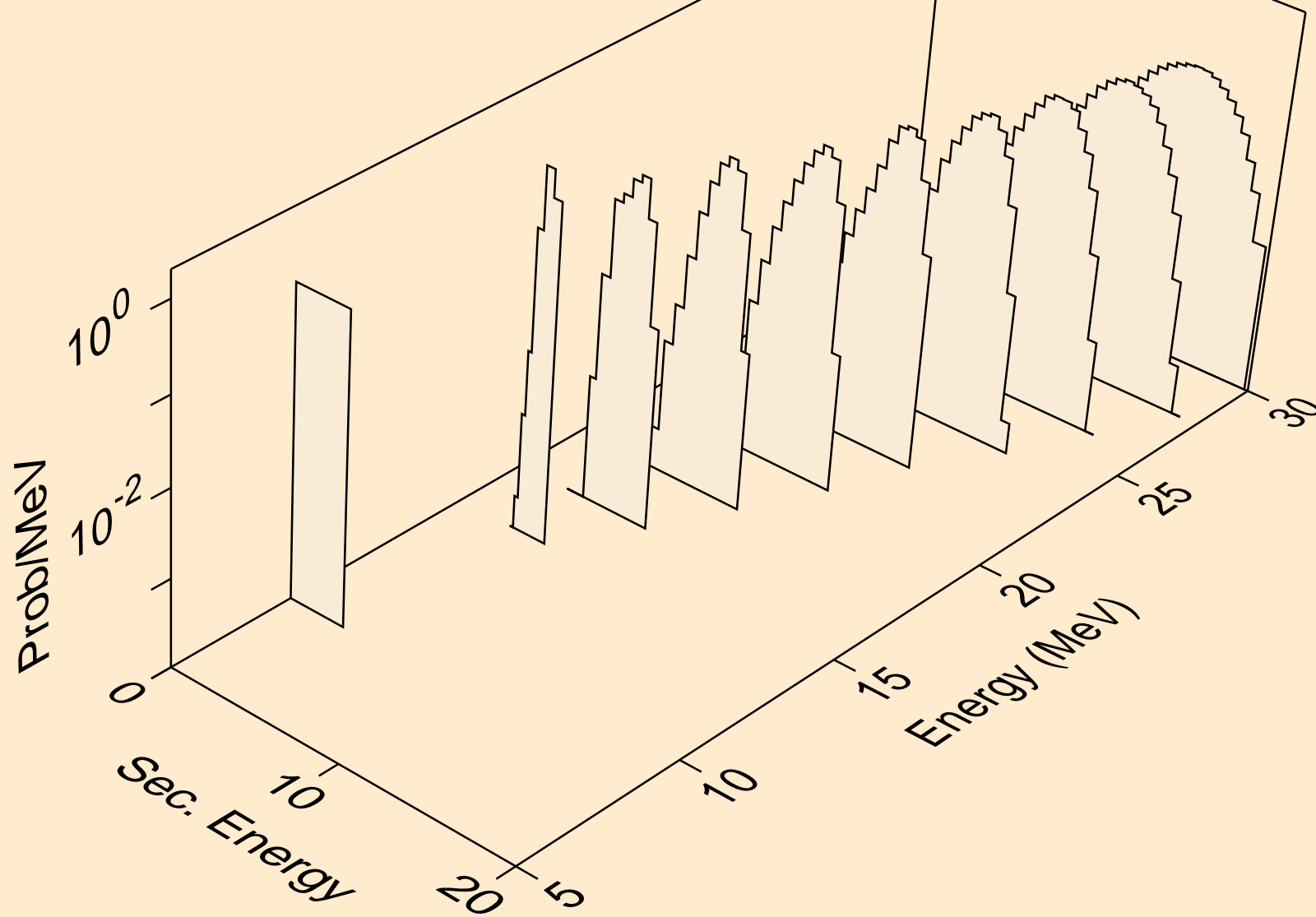
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)a



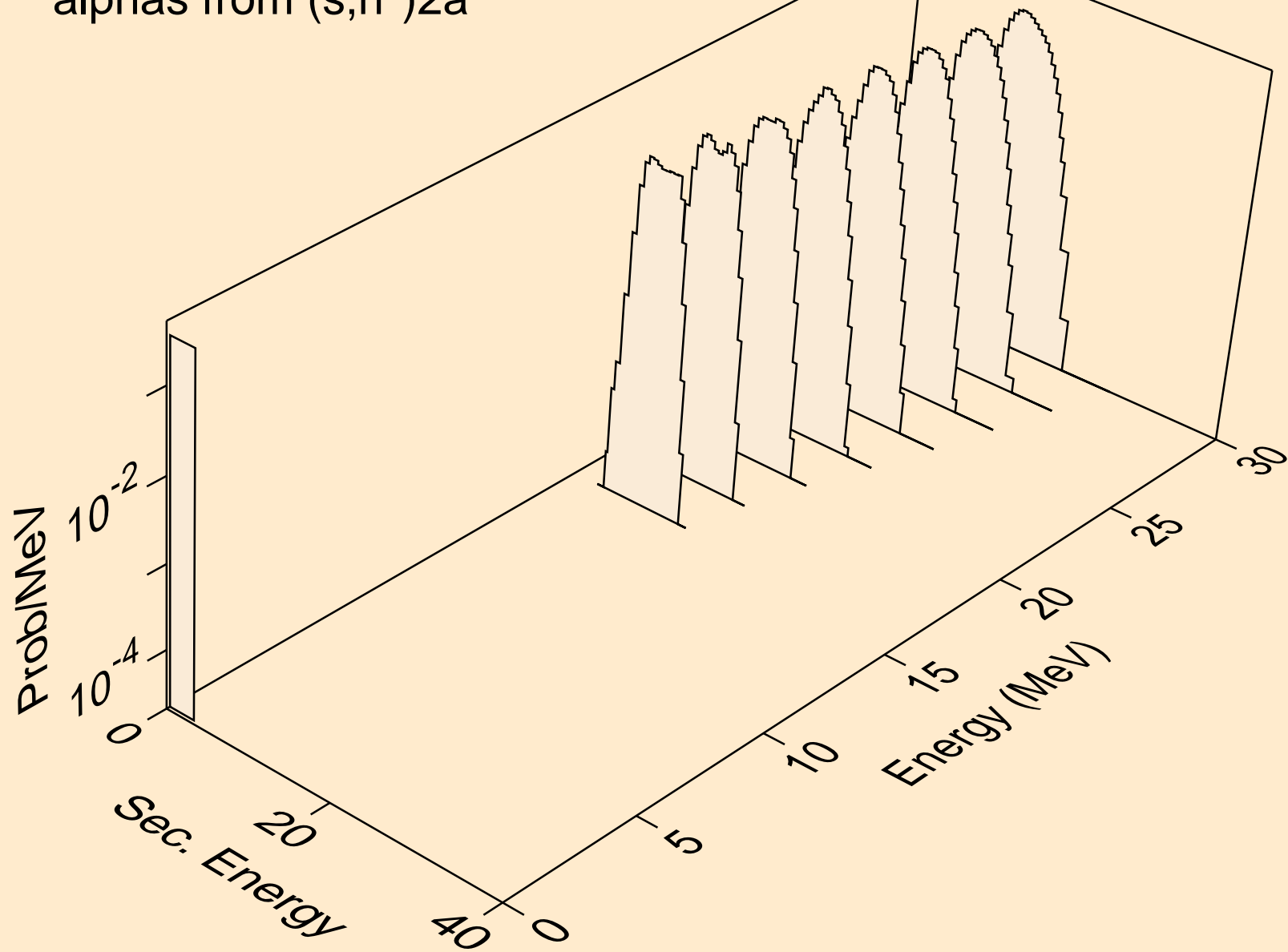
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2n)a



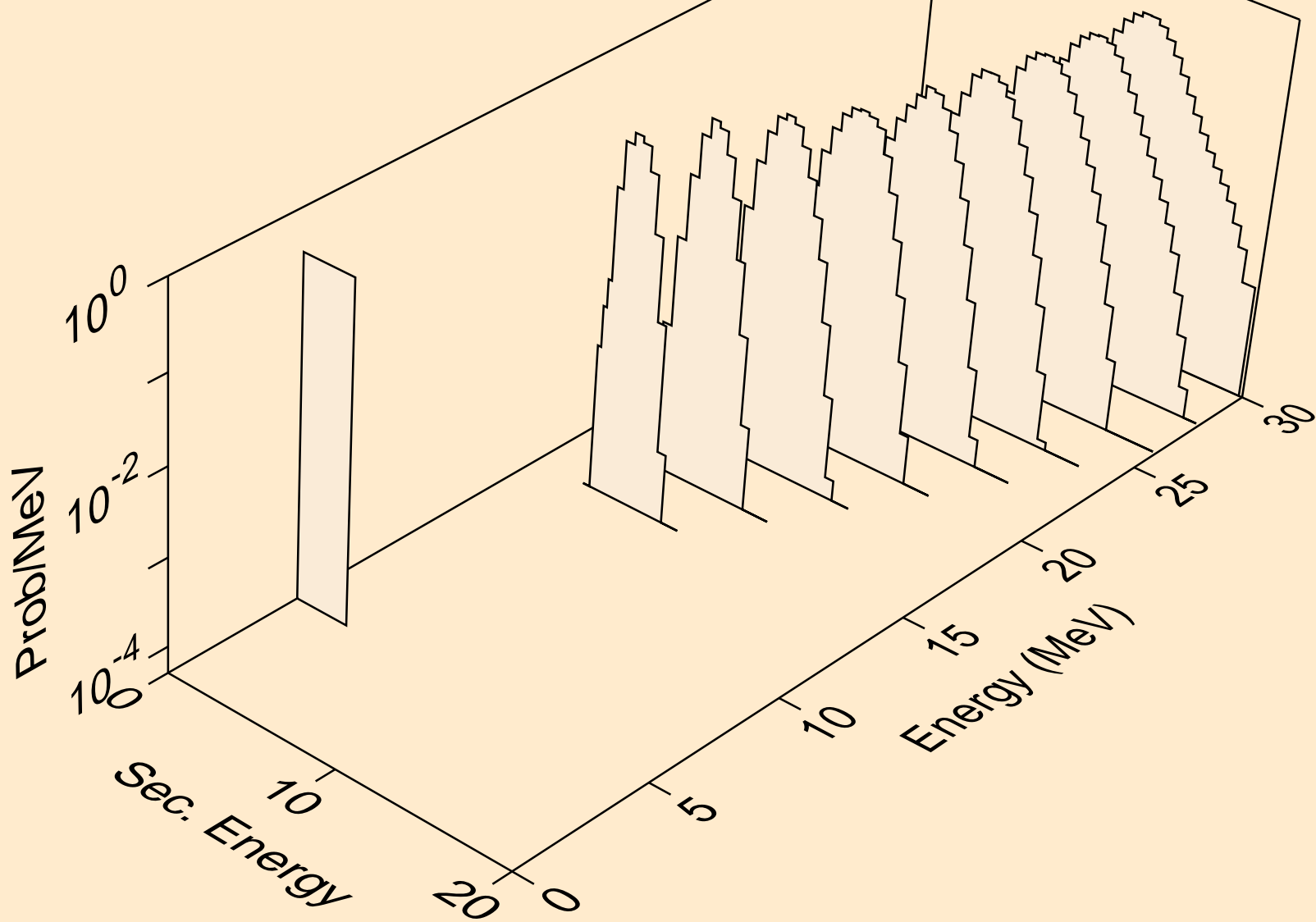
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,3n)a



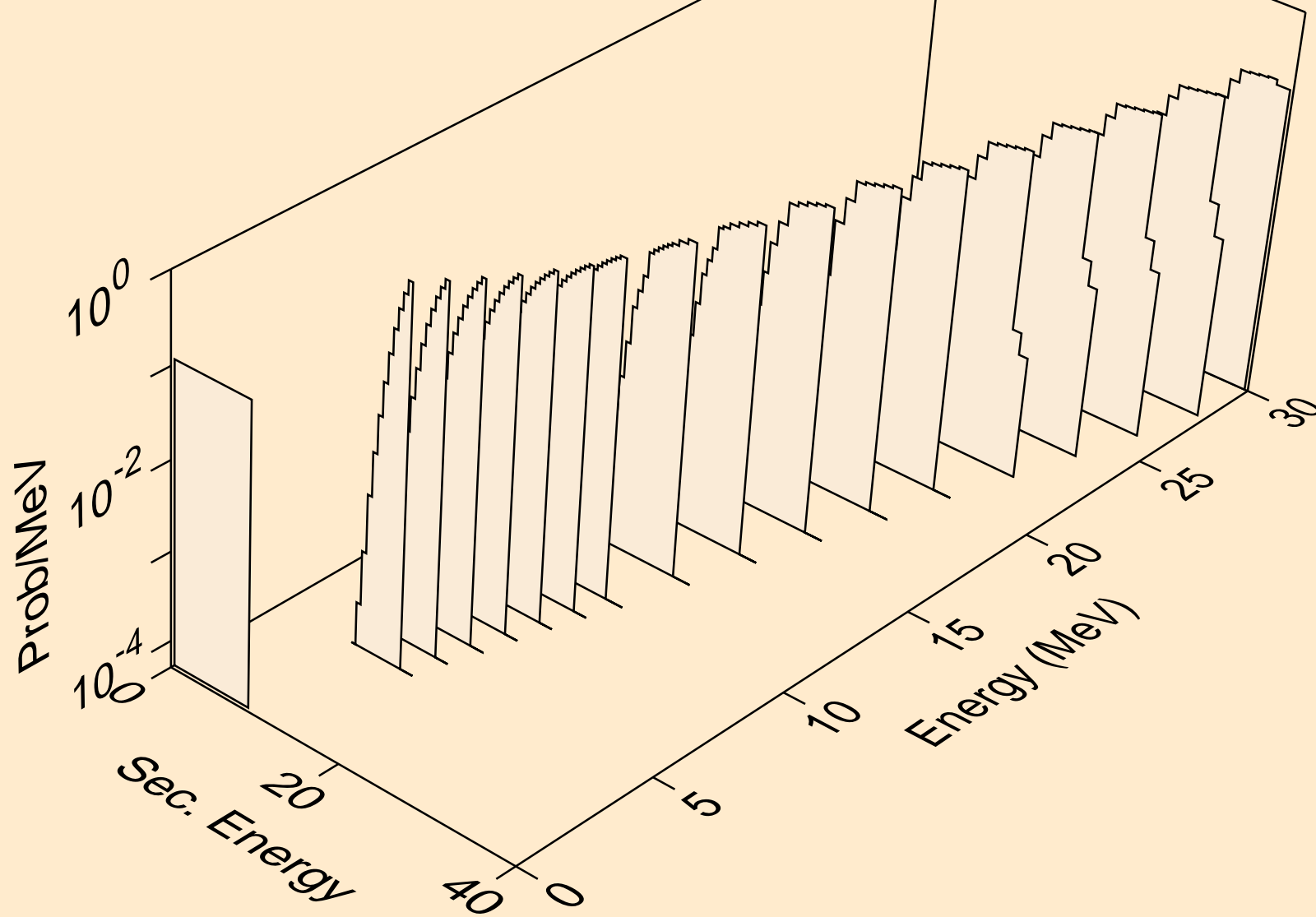
CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)2a



CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,npa)

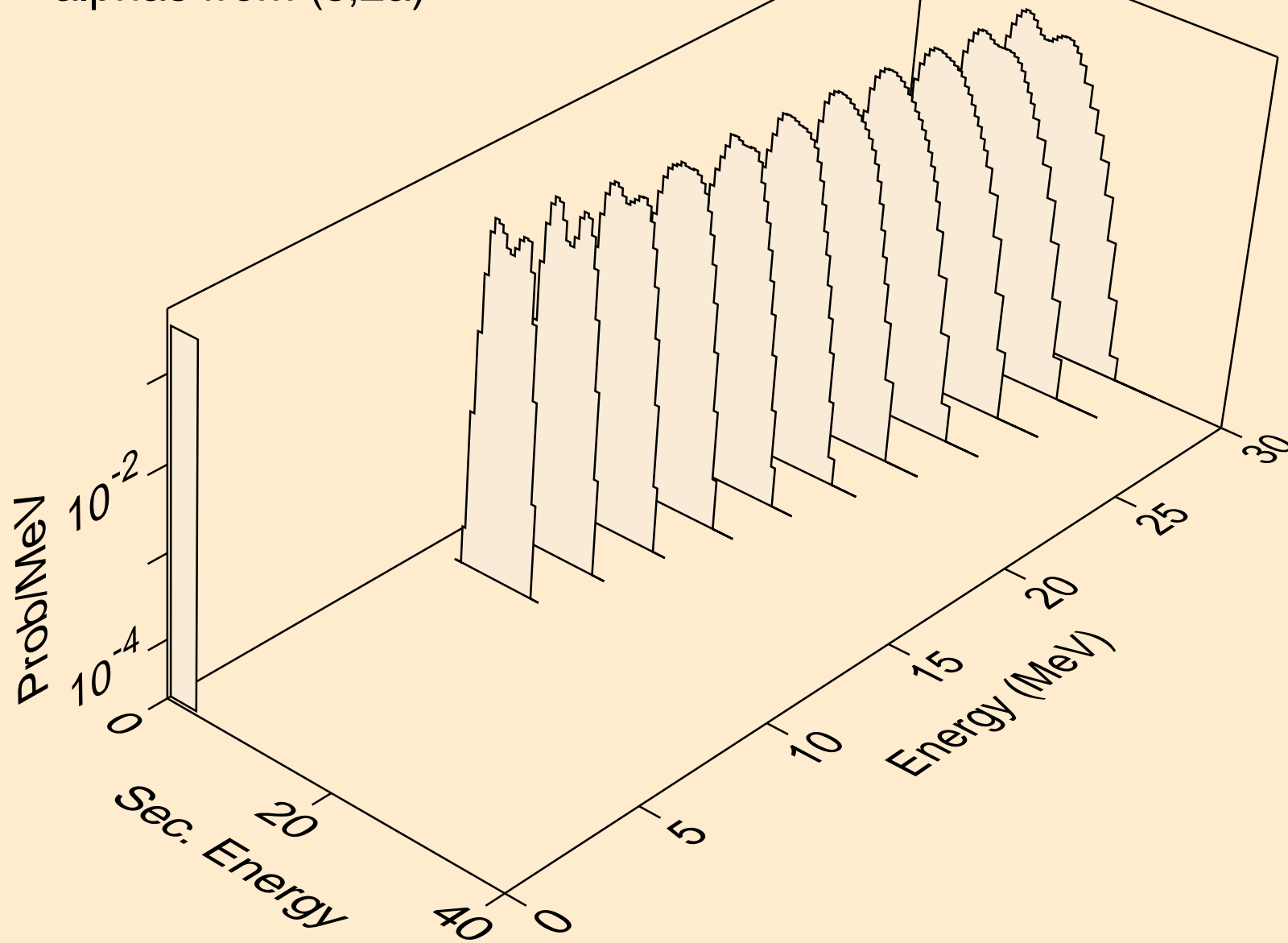


CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,a)

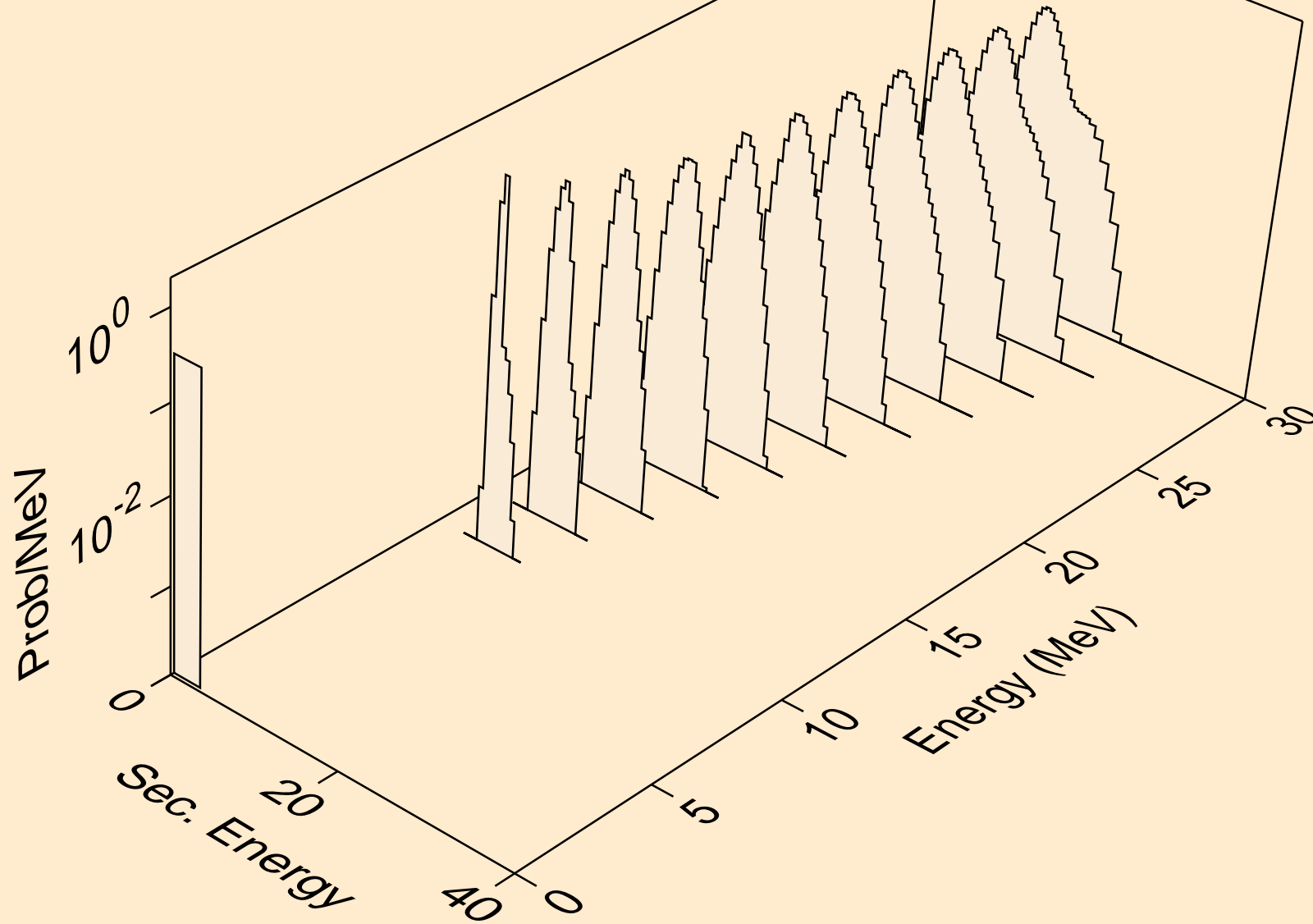




CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)



CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



CD118 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

