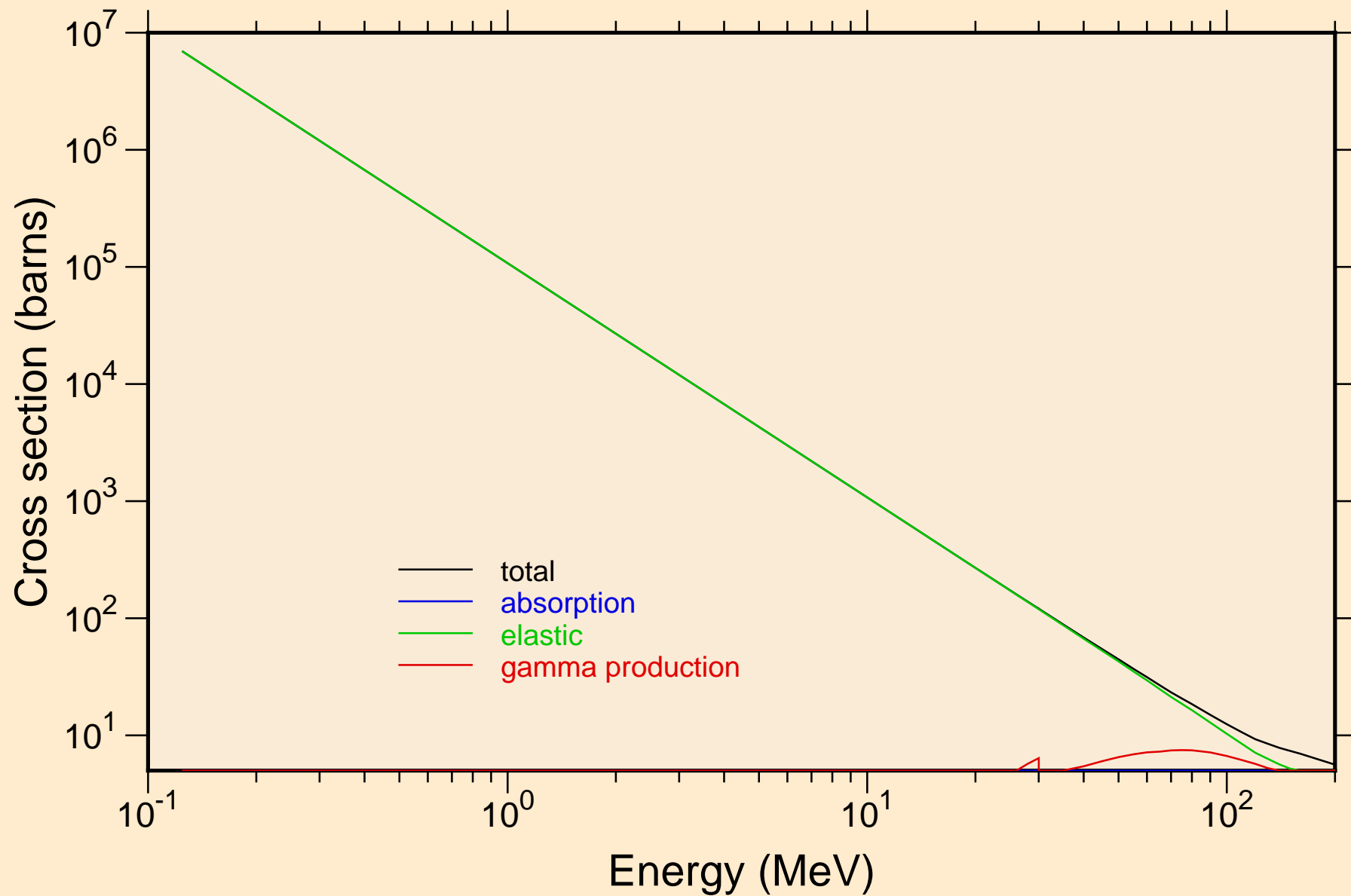
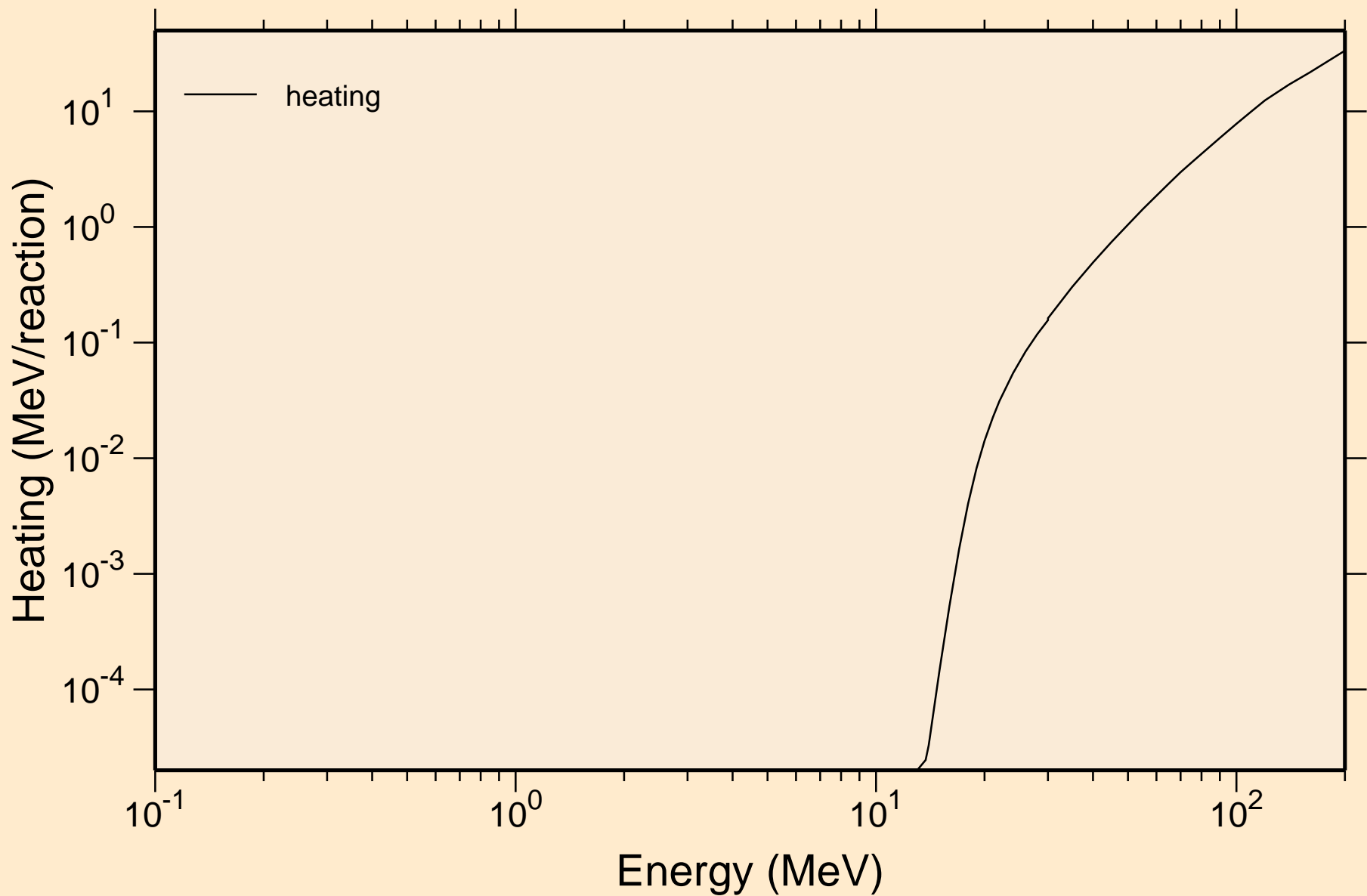


# TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

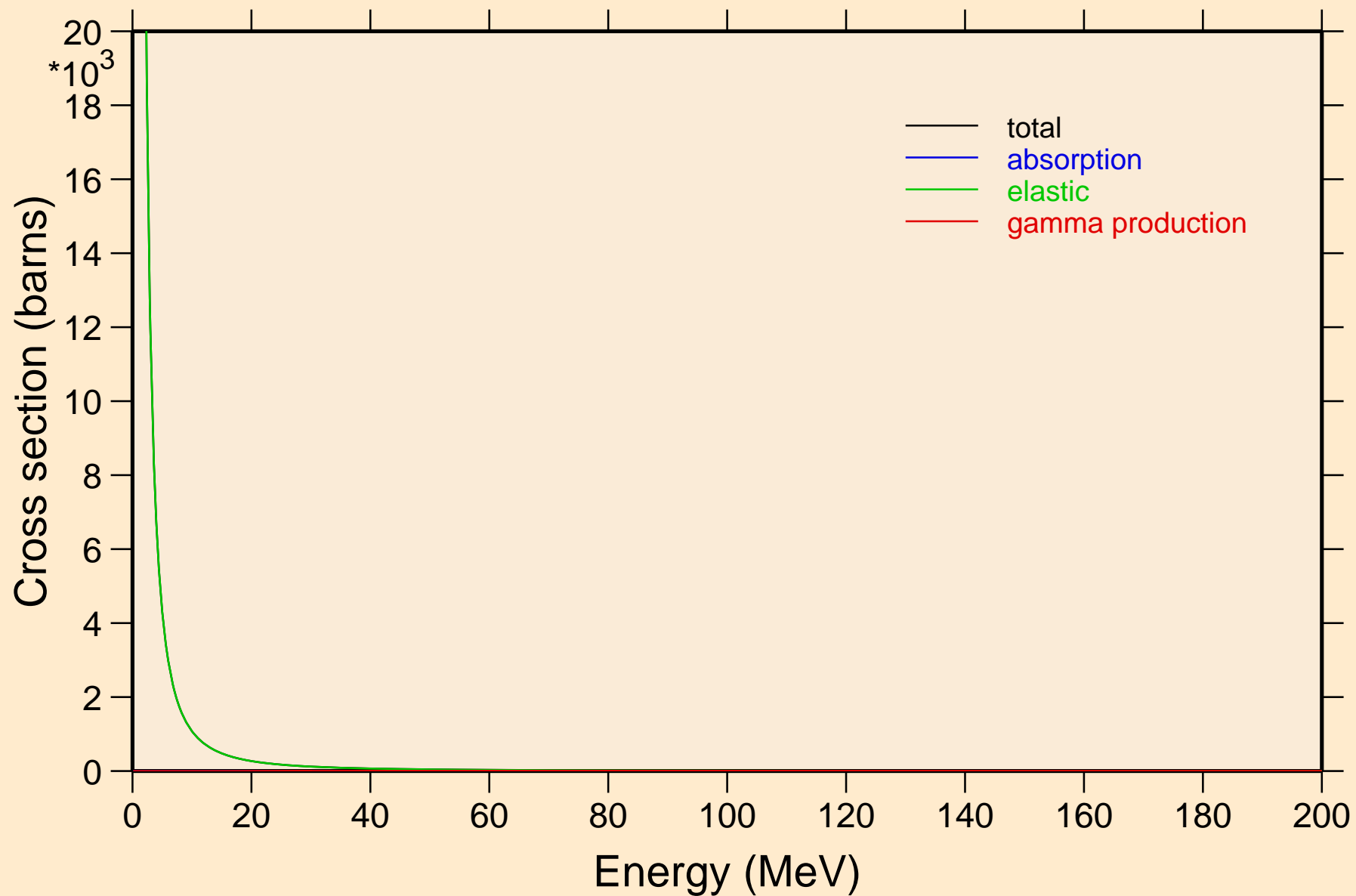


TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Heating



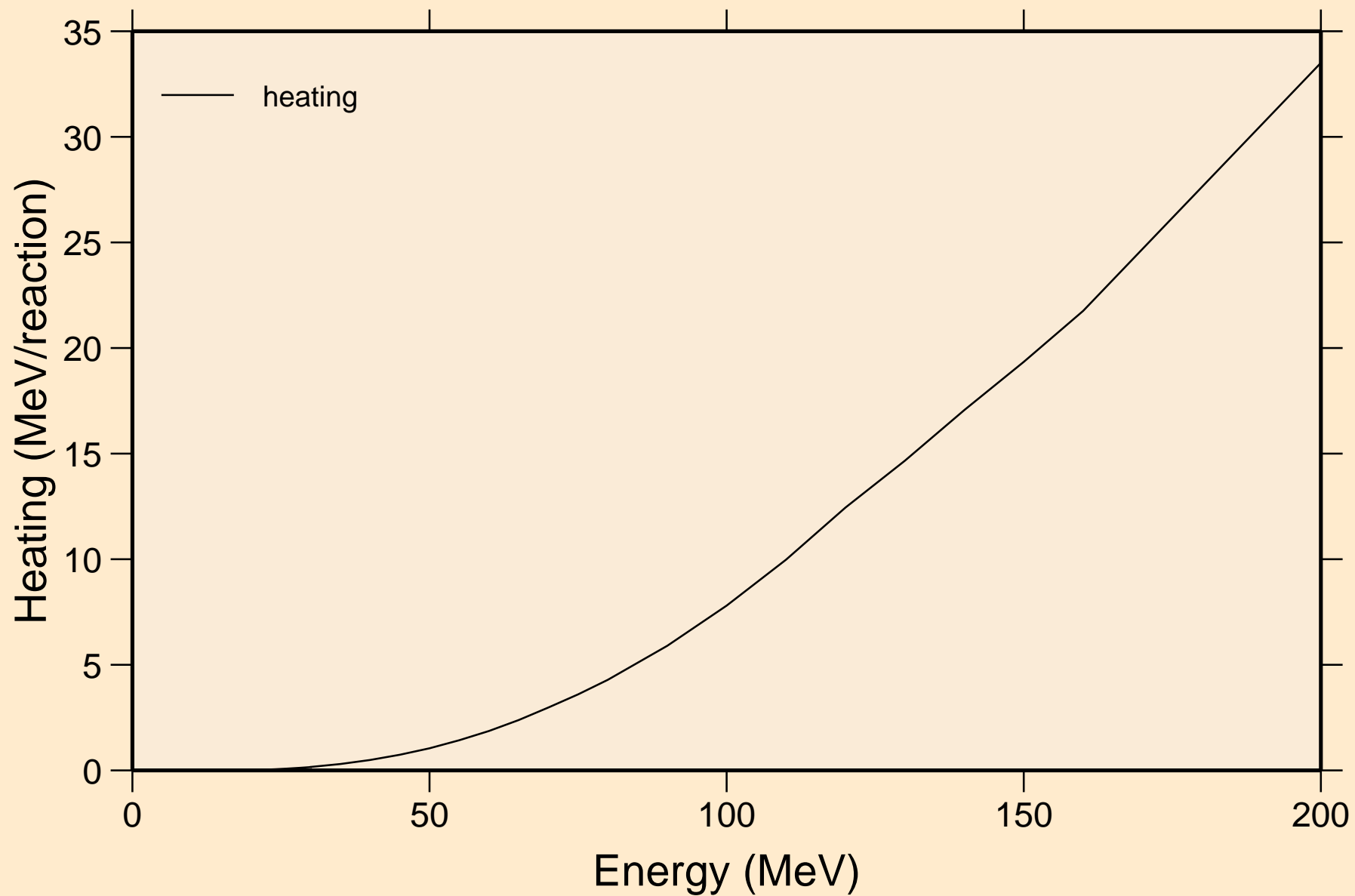
# TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

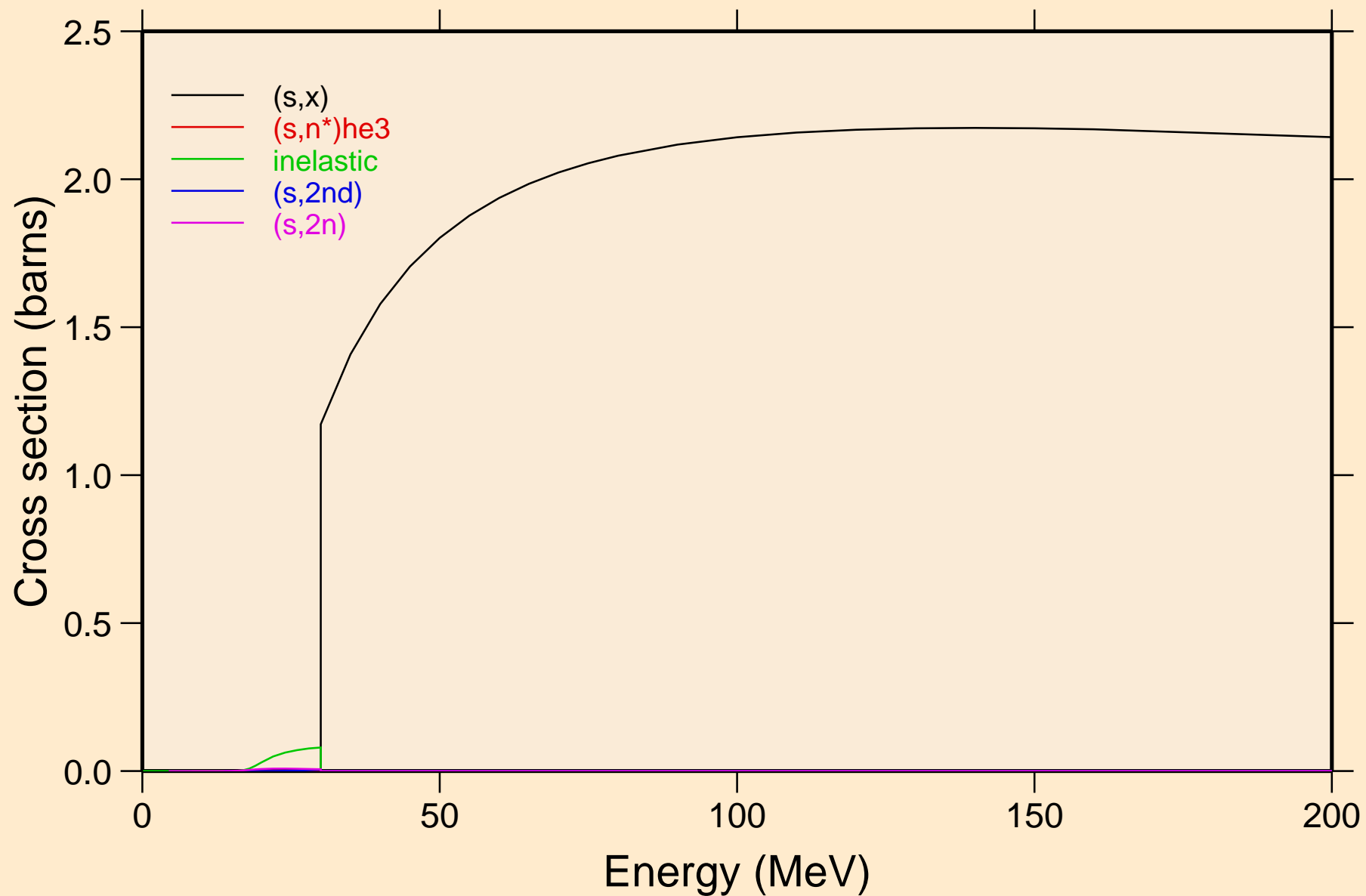


TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K

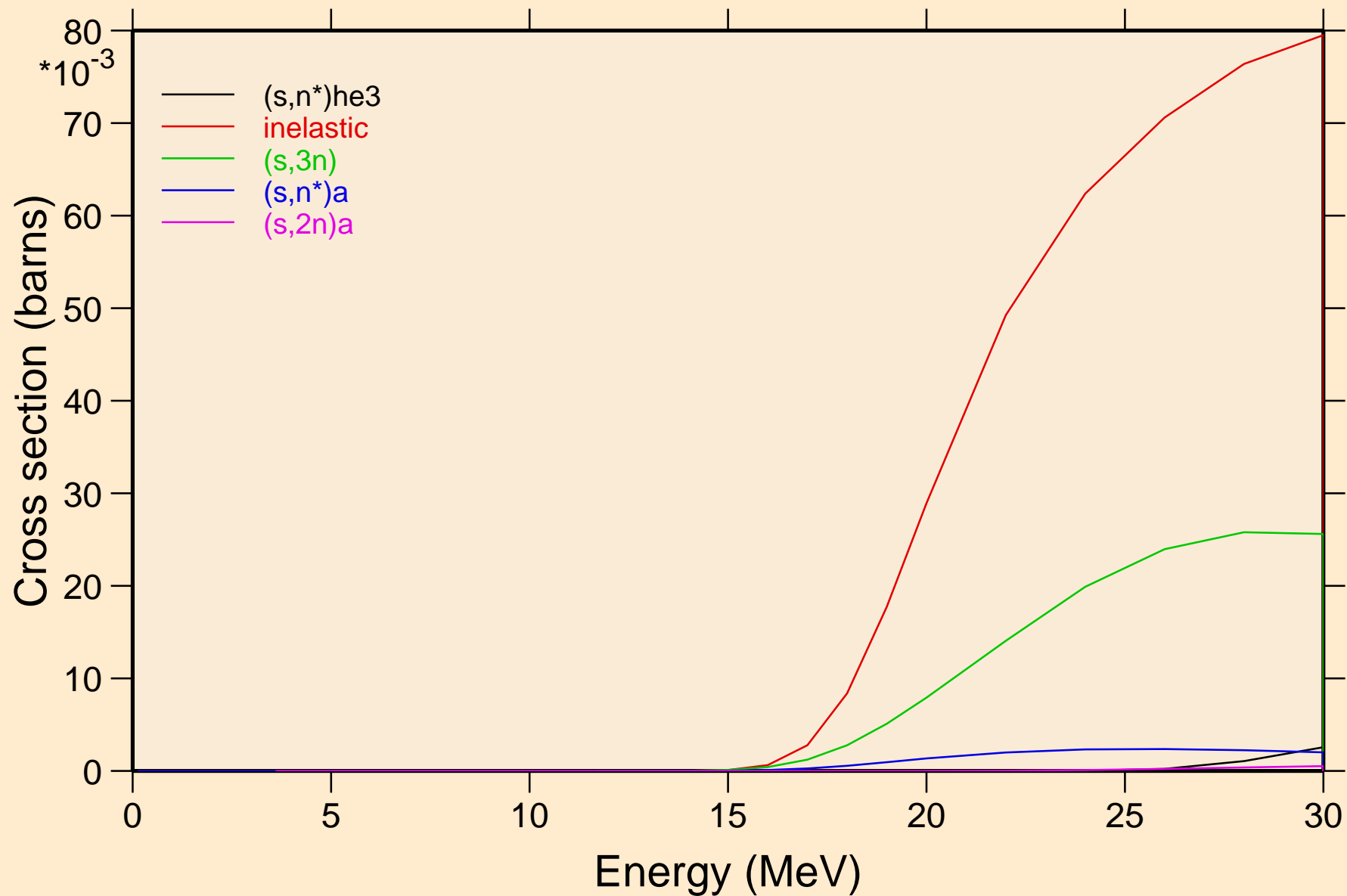
Heating



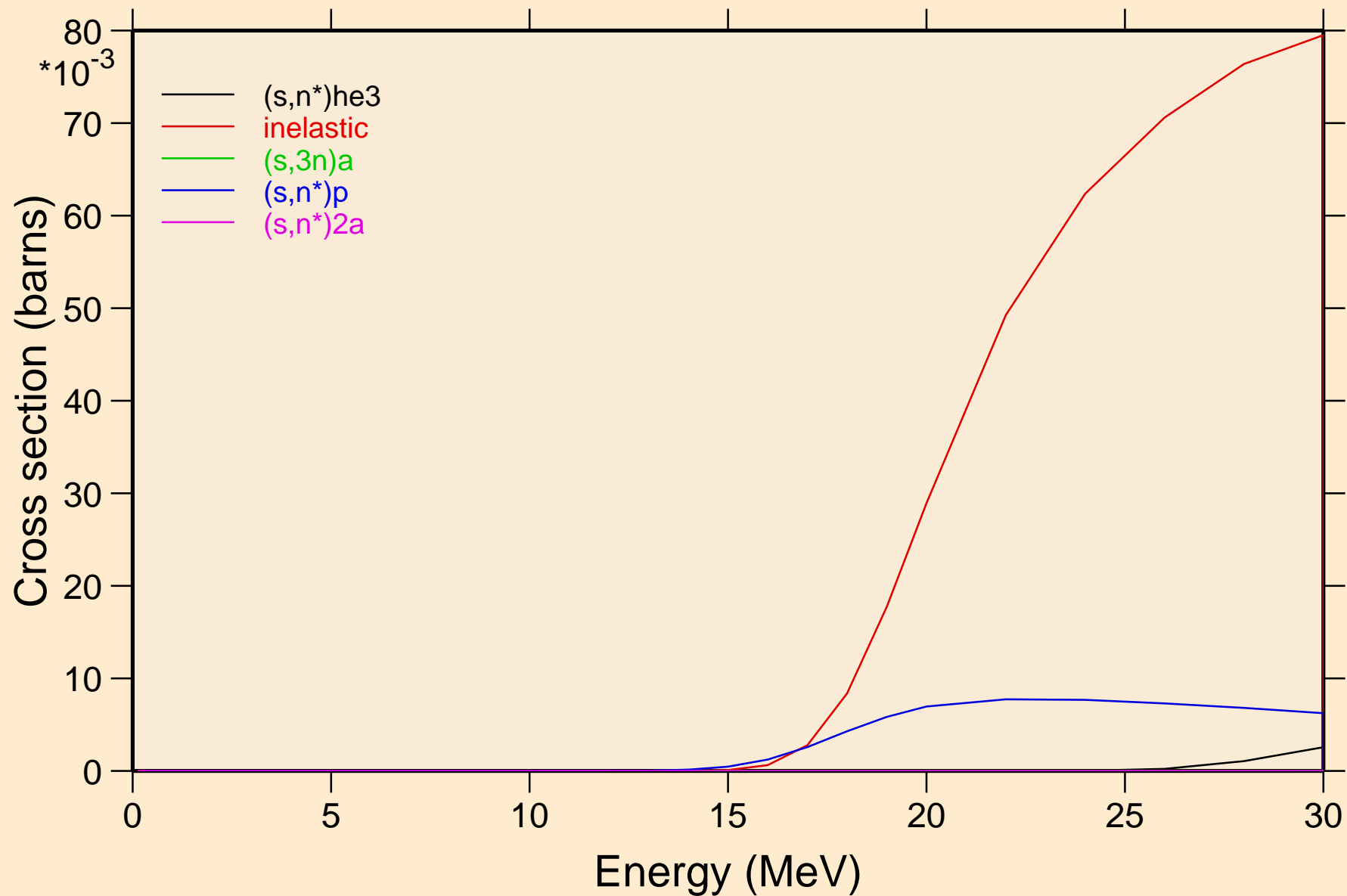
TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



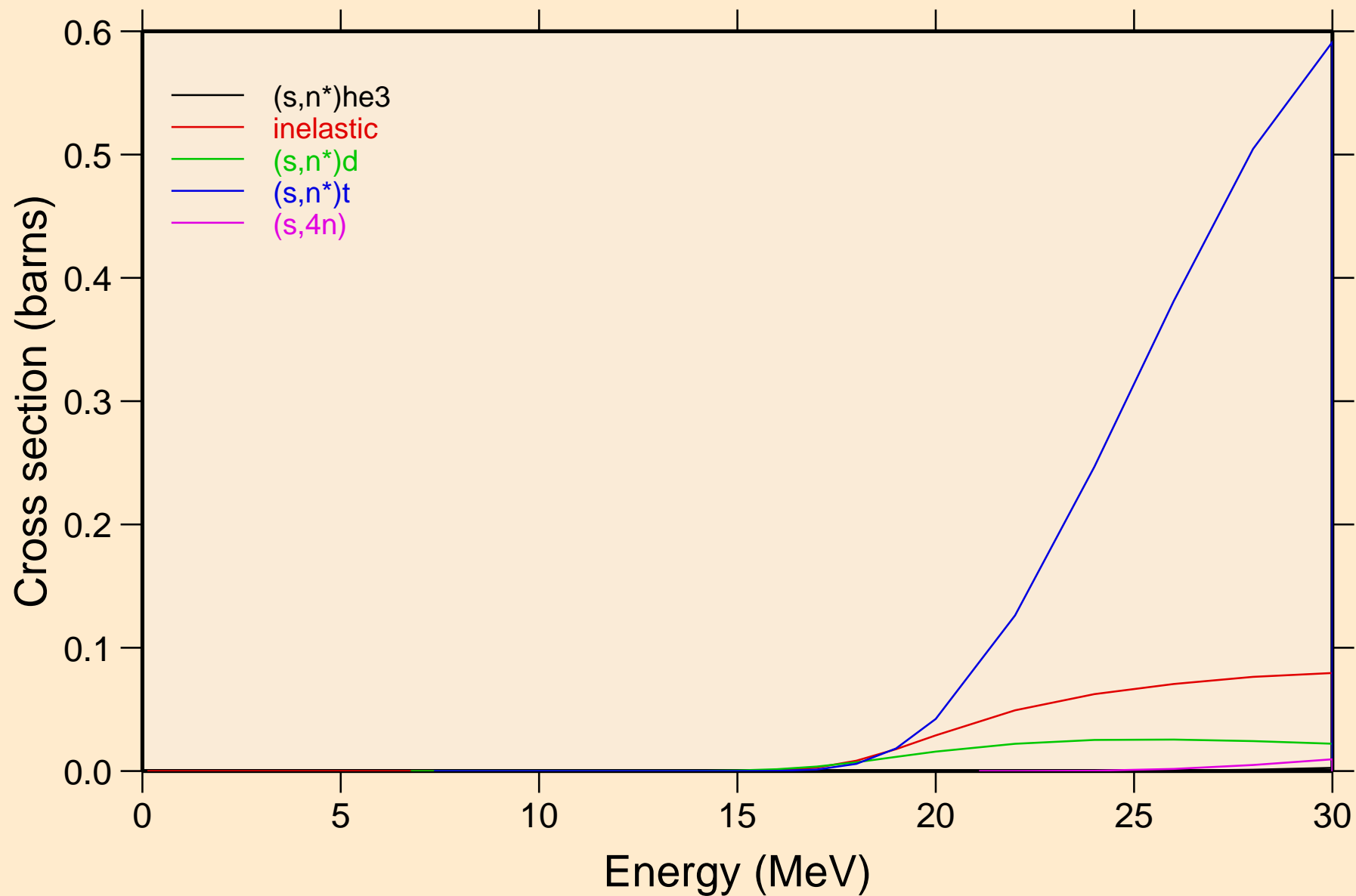
TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

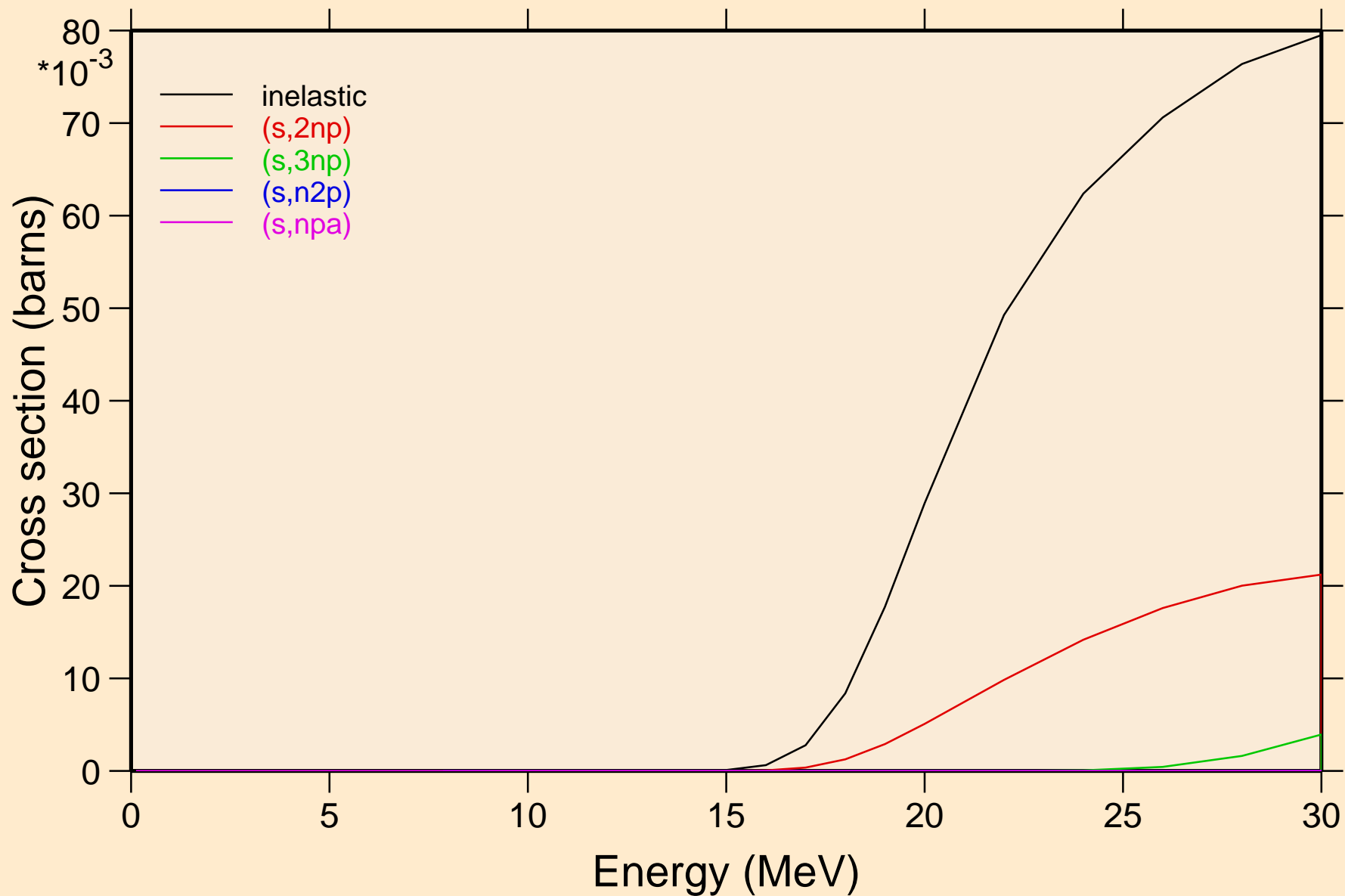


TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

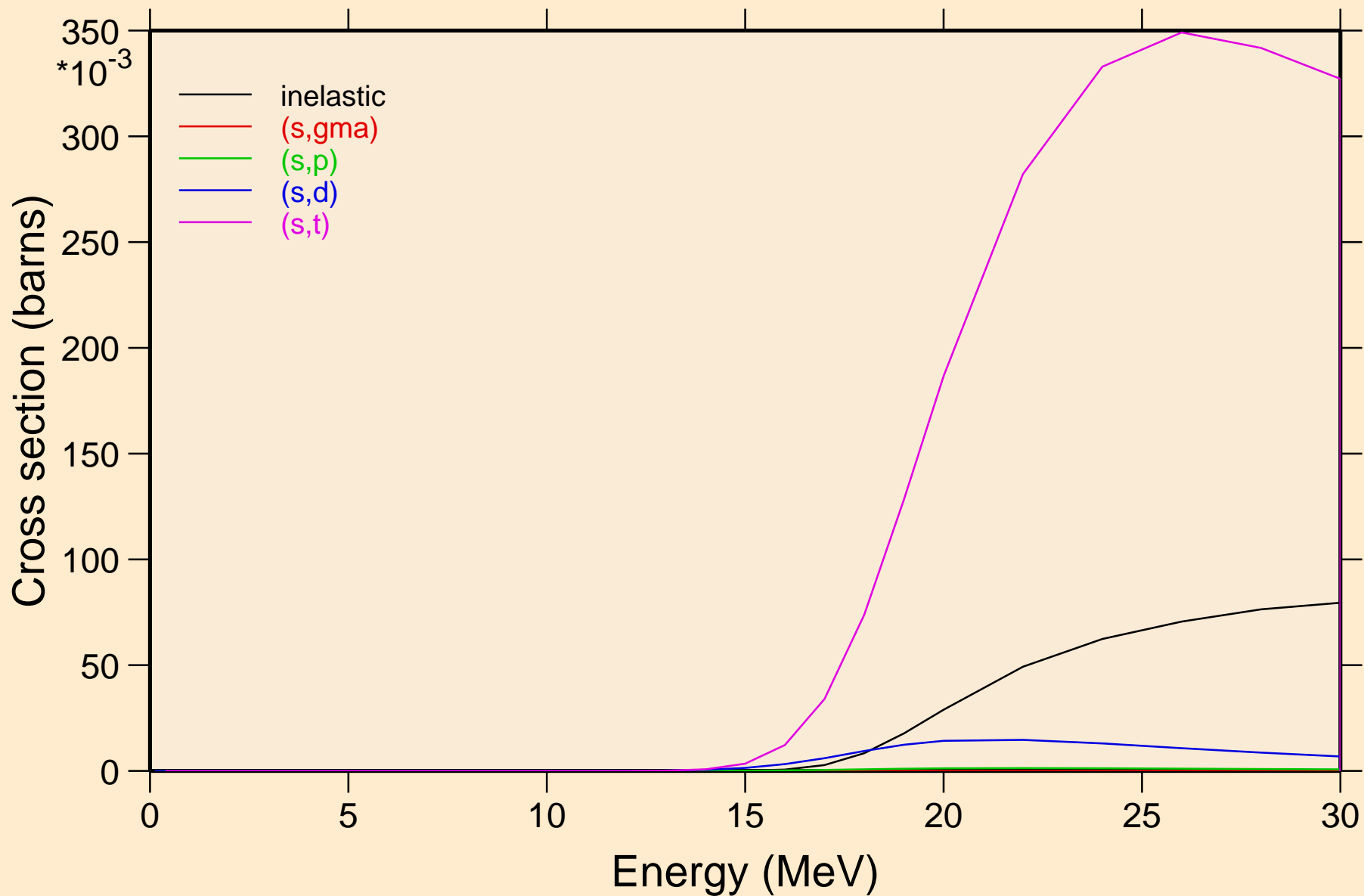




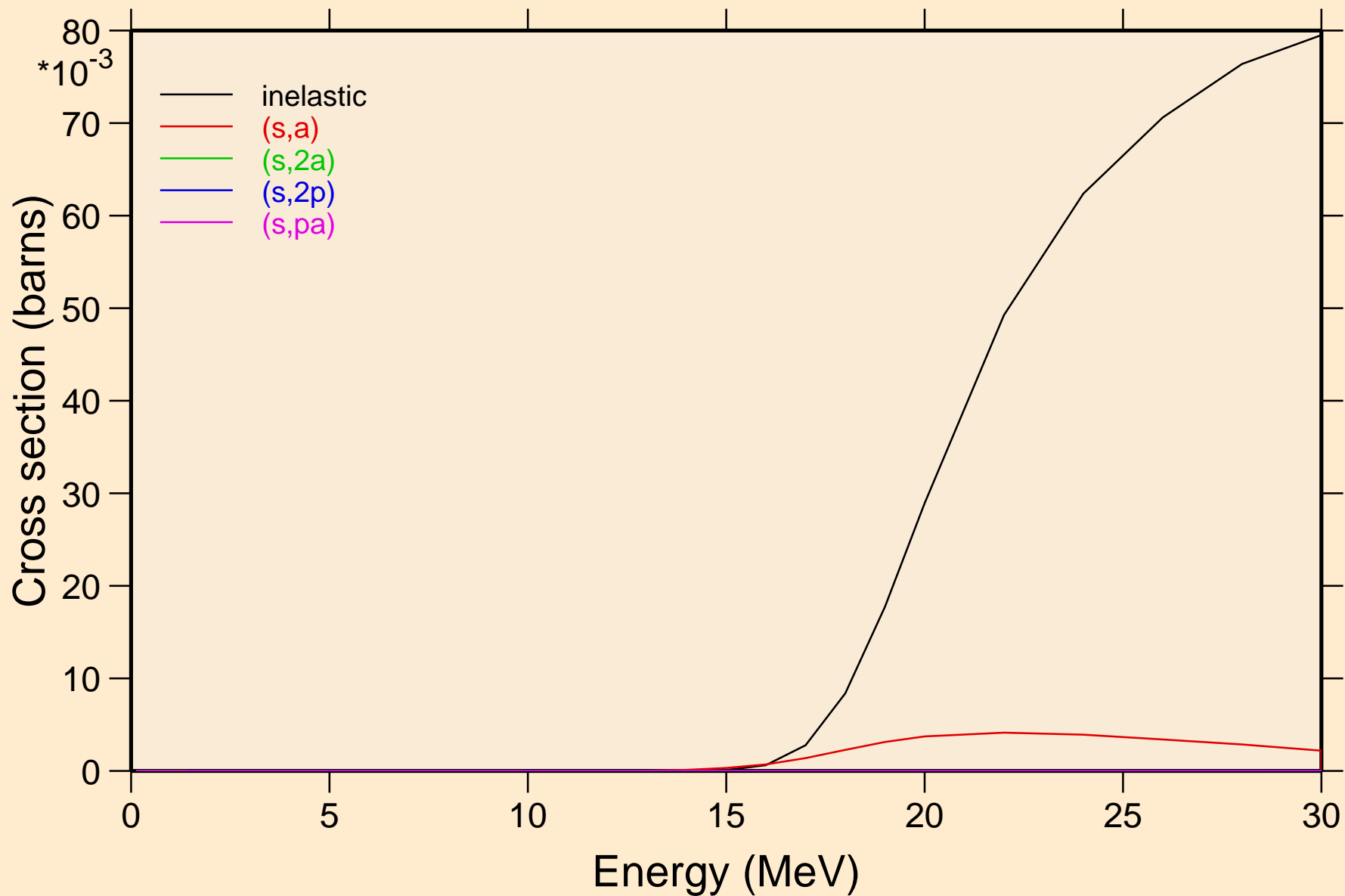
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Threshold reactions



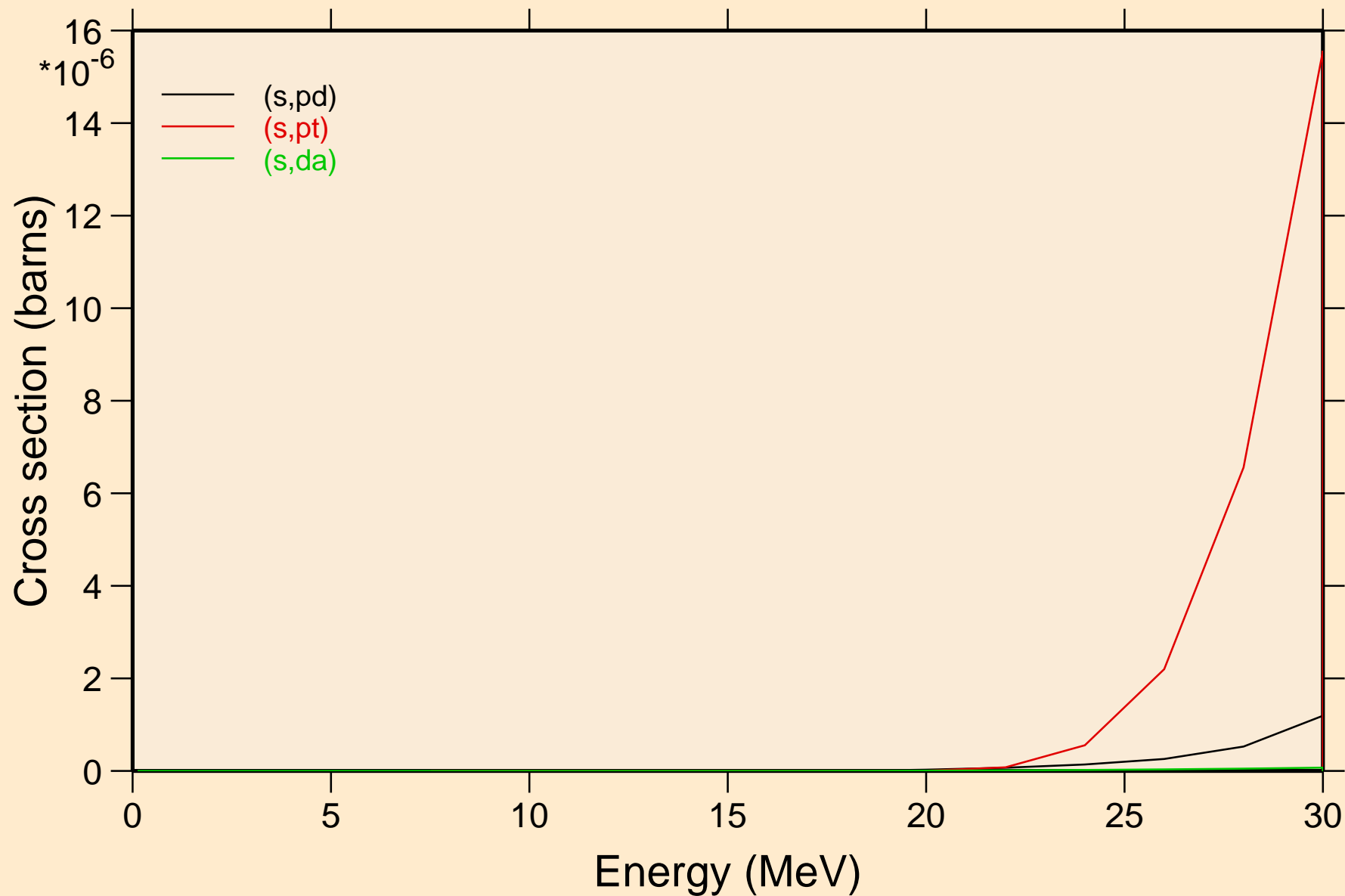
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Threshold reactions



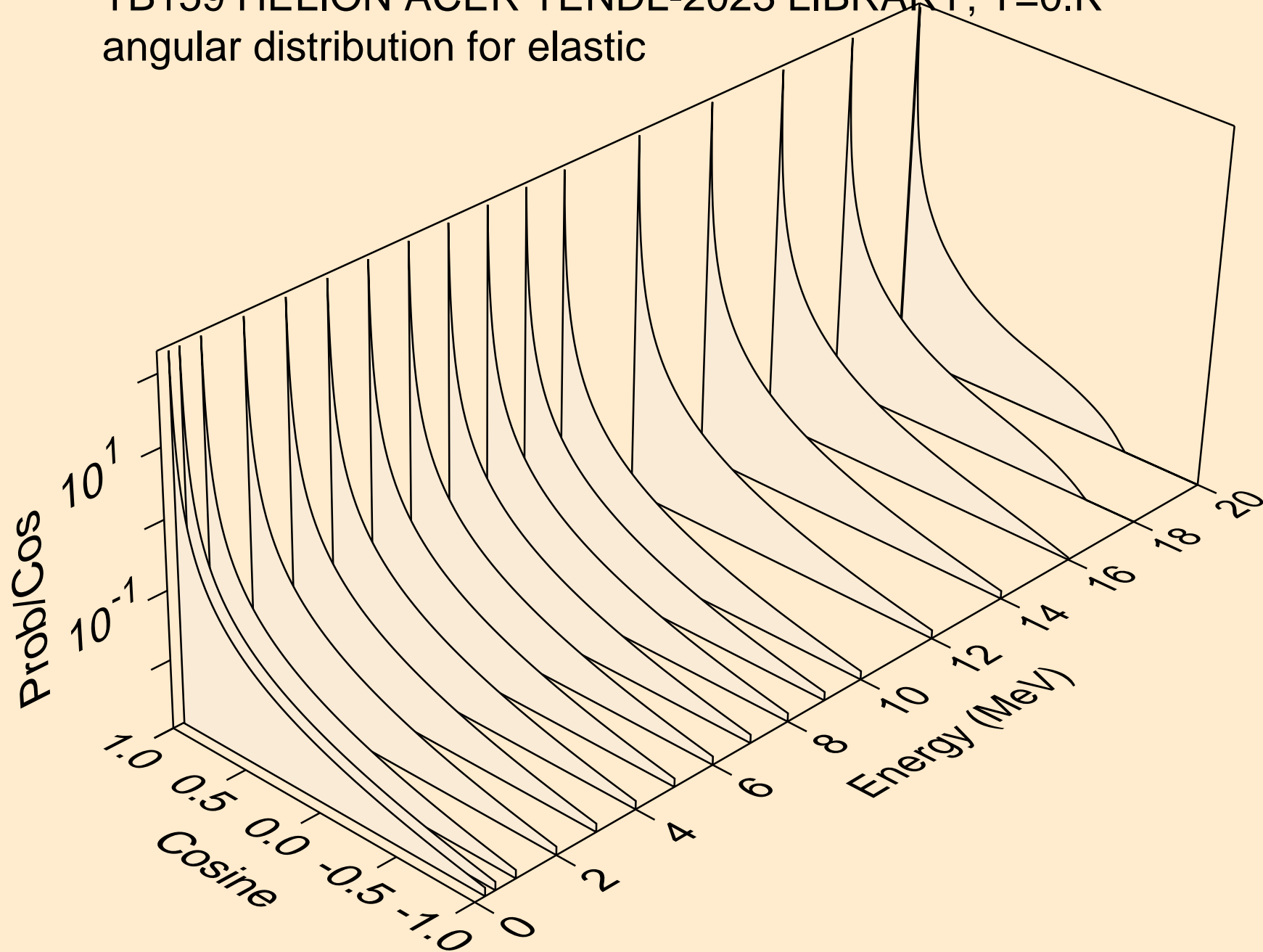
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Threshold reactions



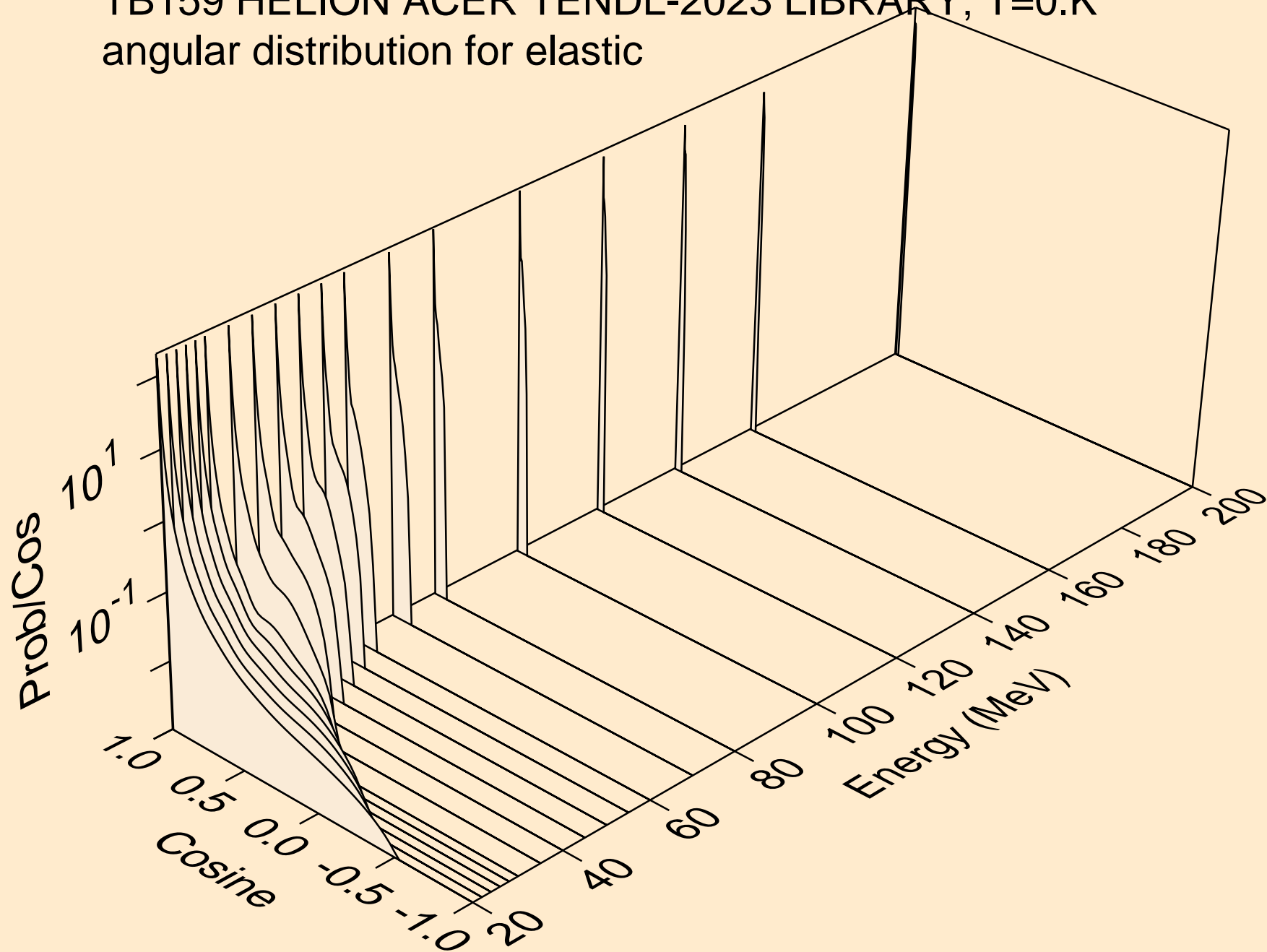
TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



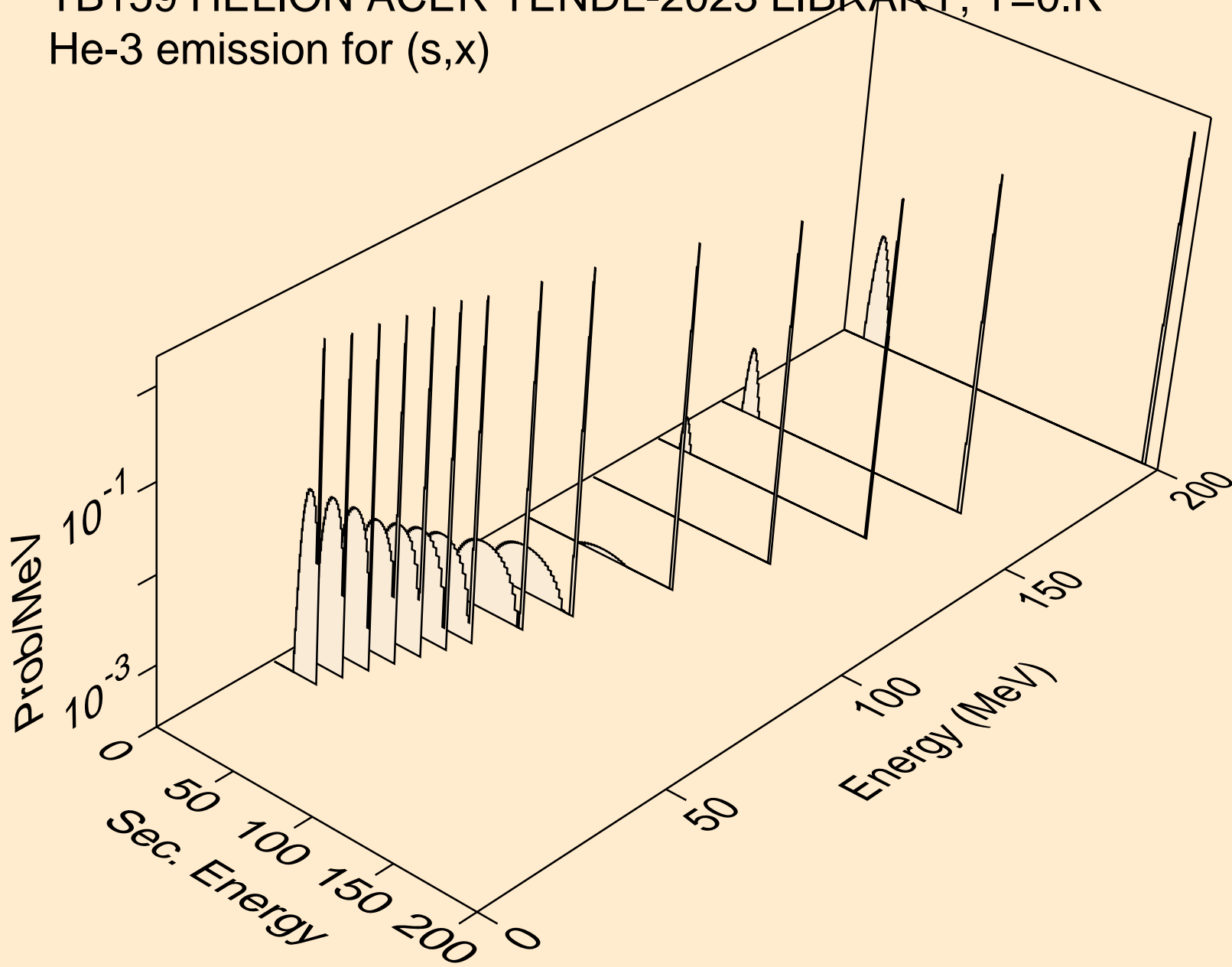
TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



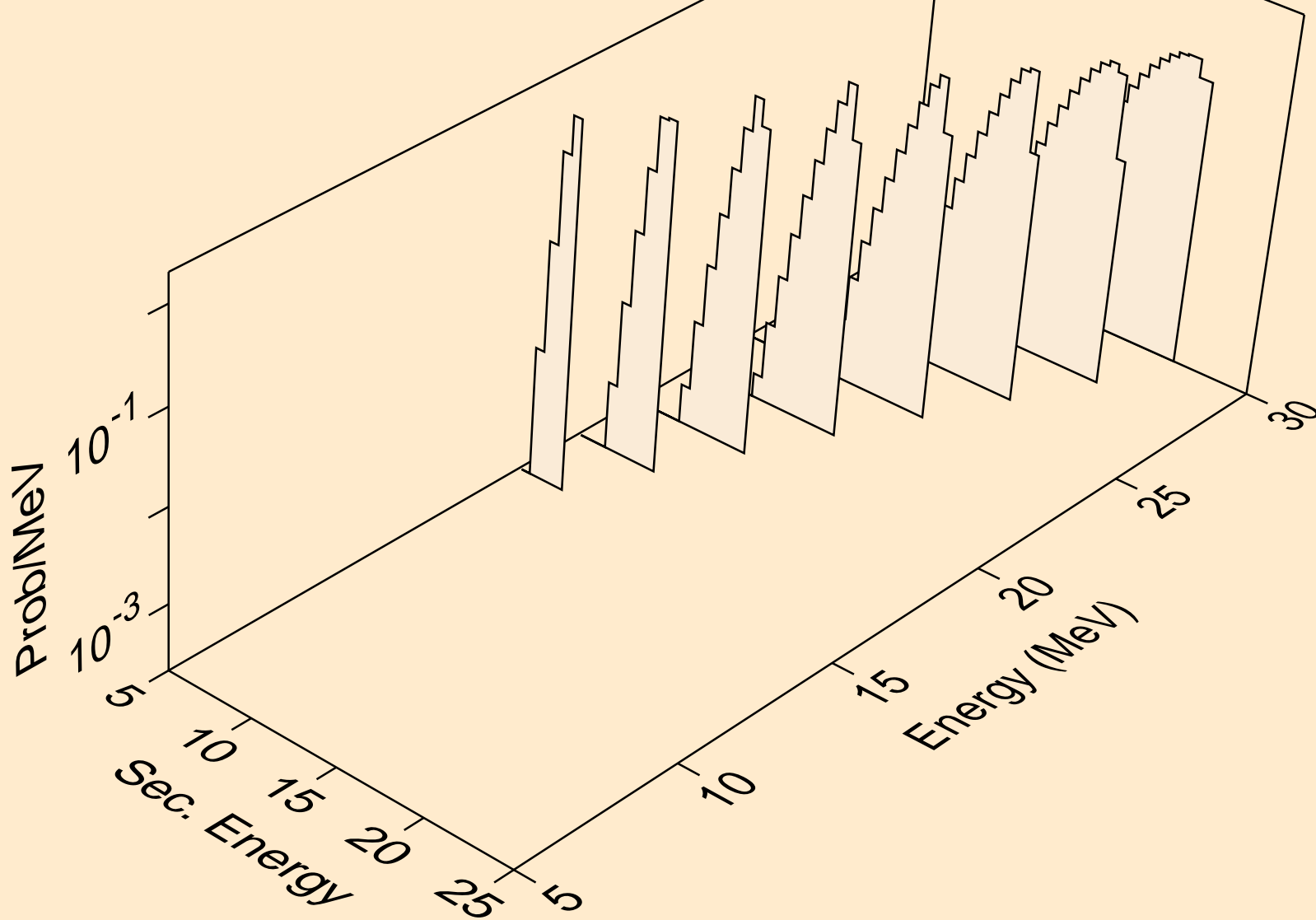
TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)

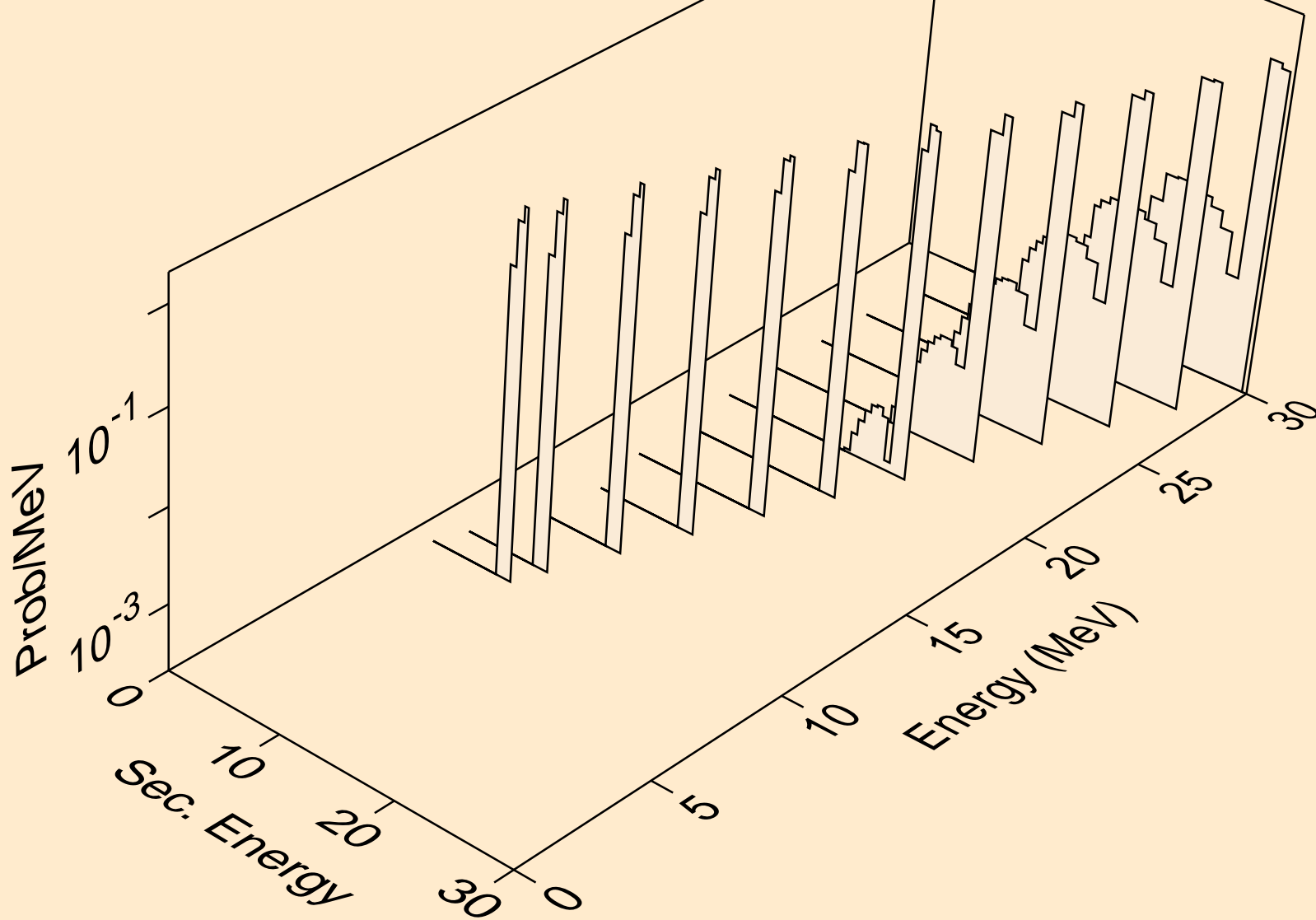


TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

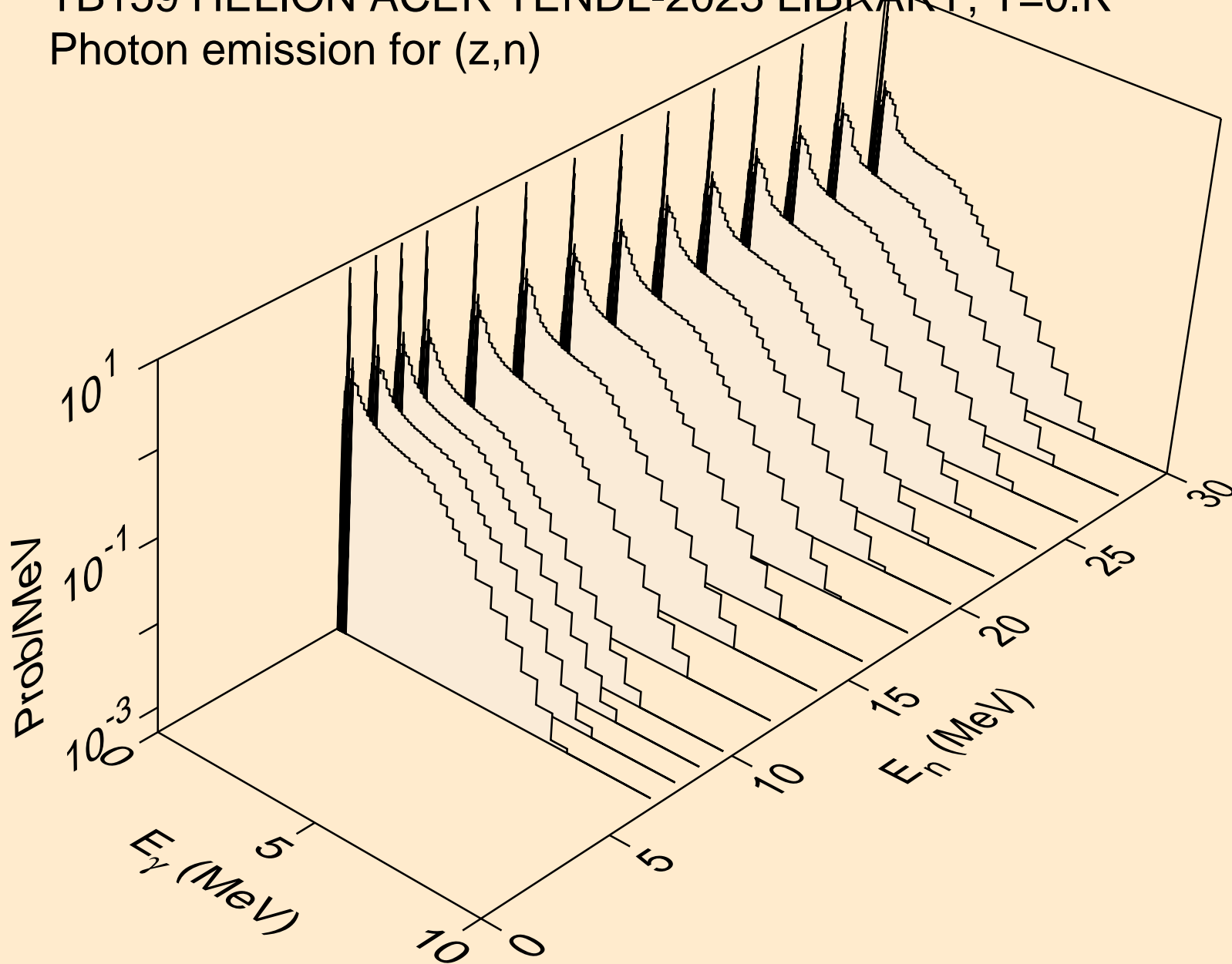




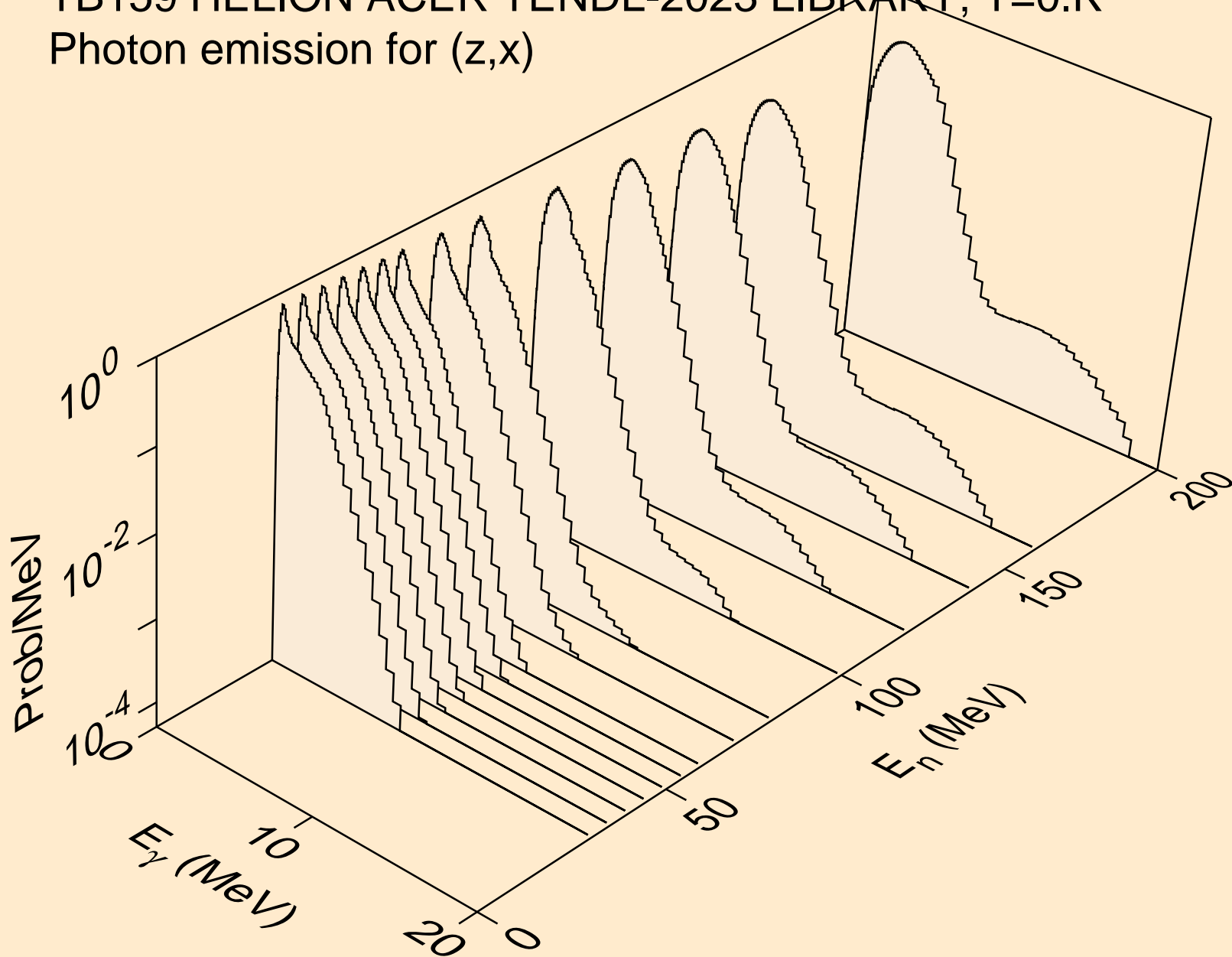
TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic



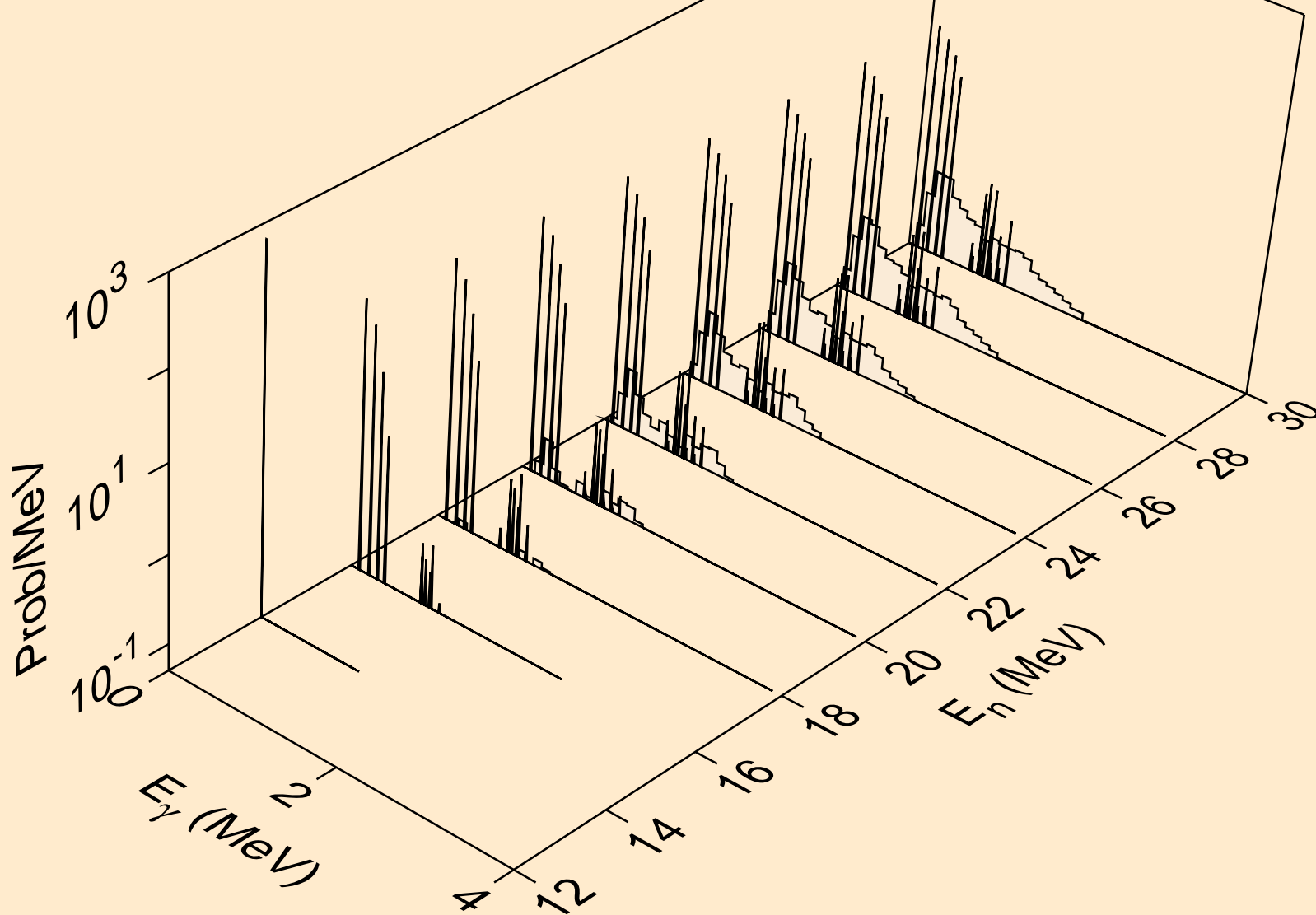
TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



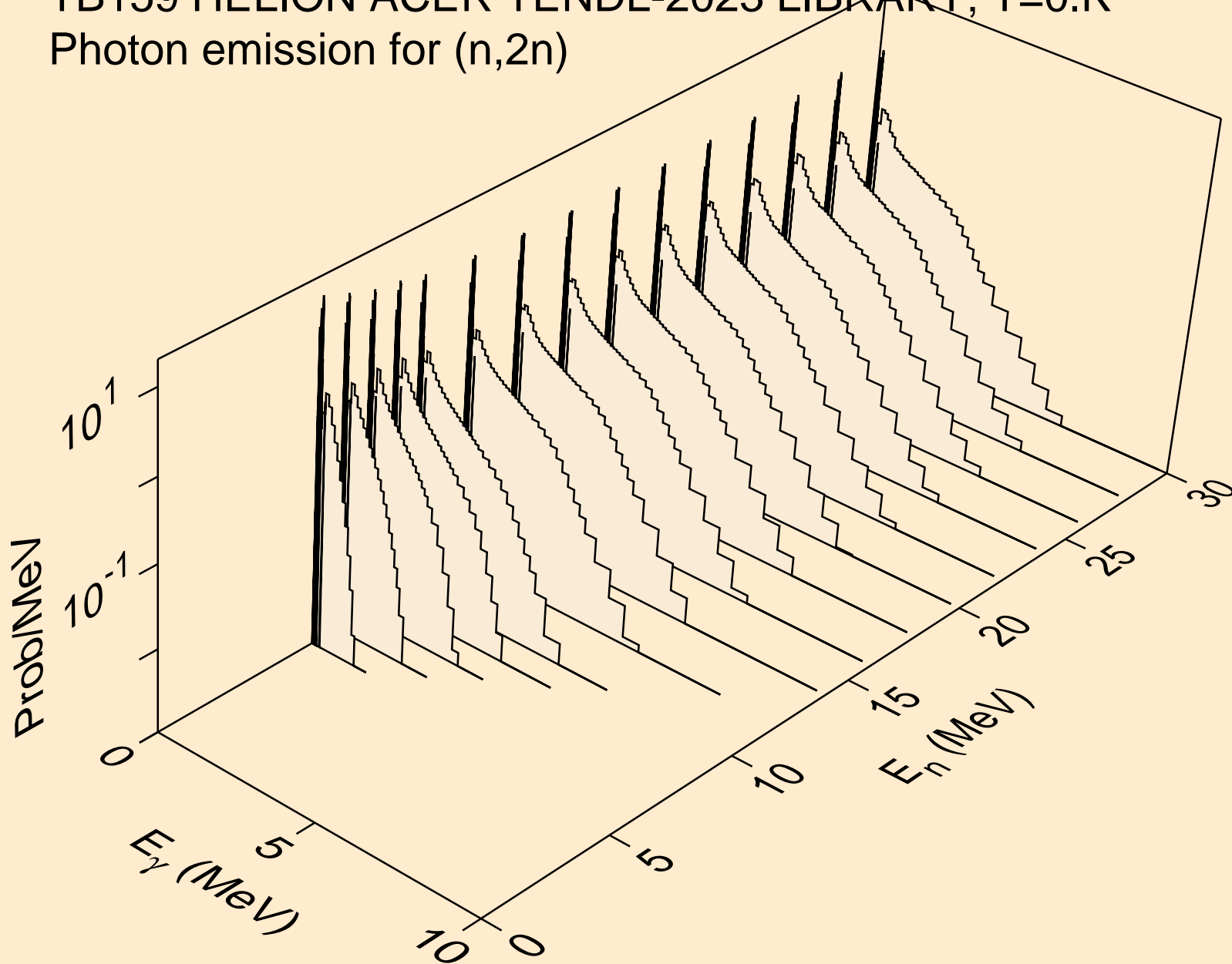
TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



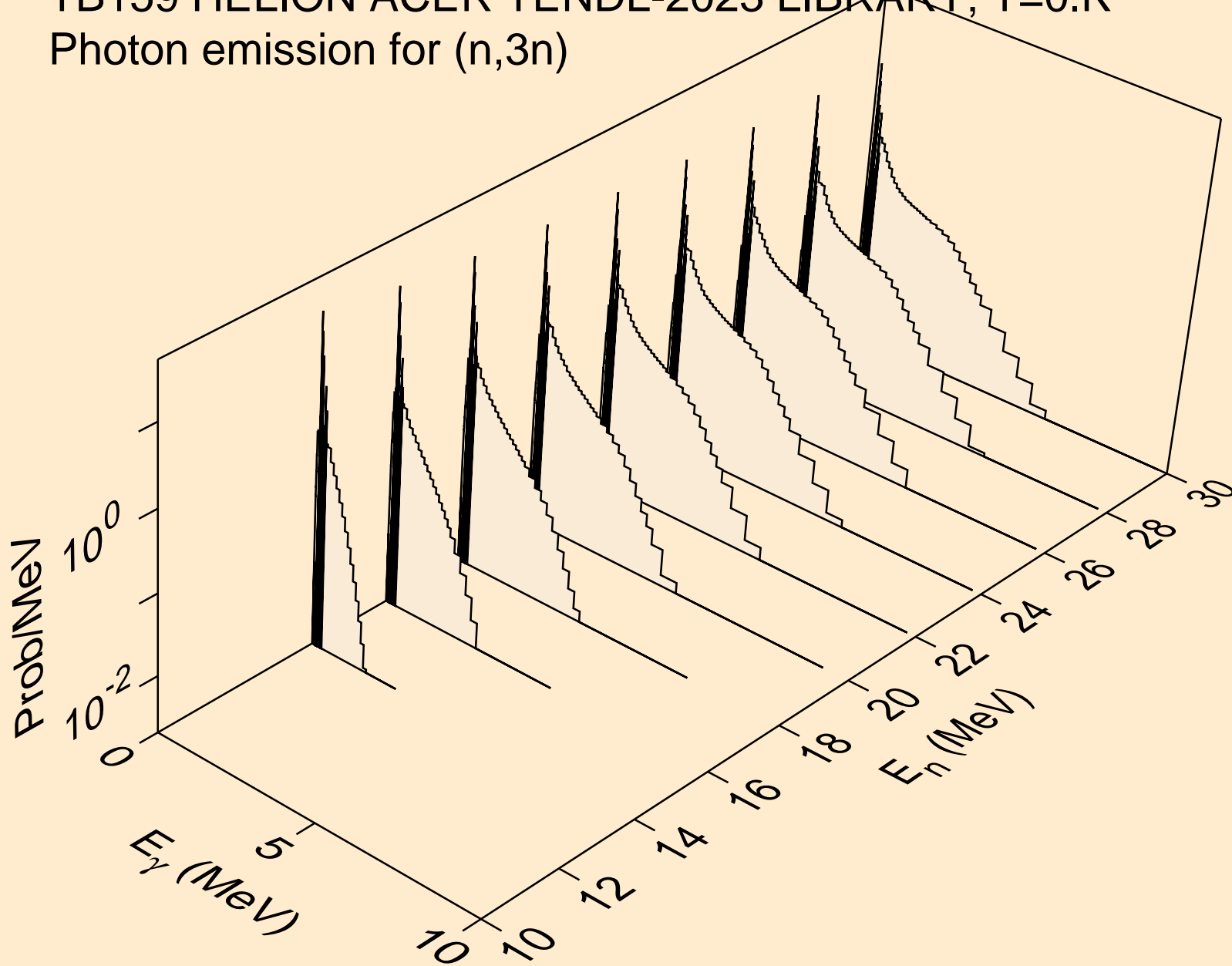
TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



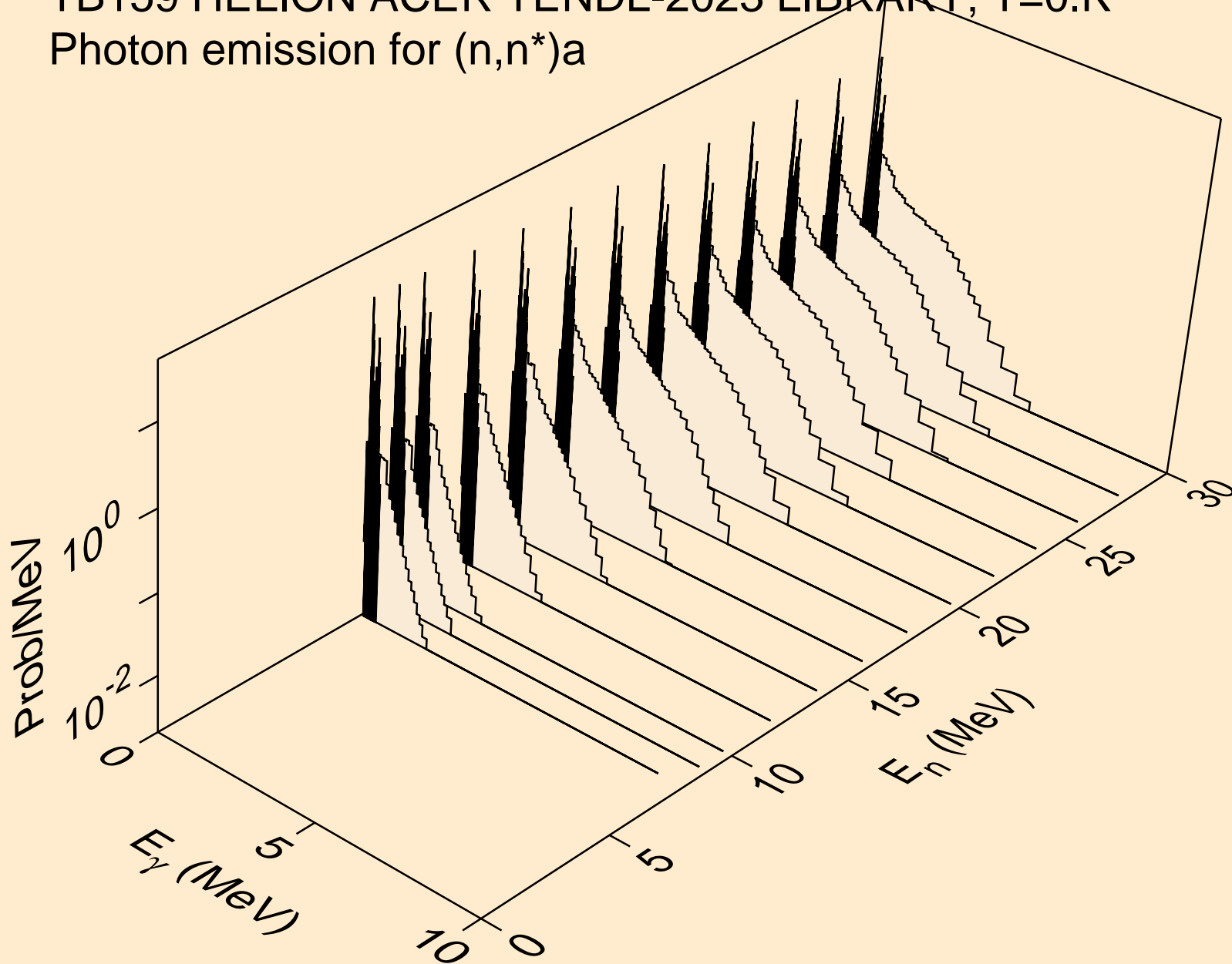
TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



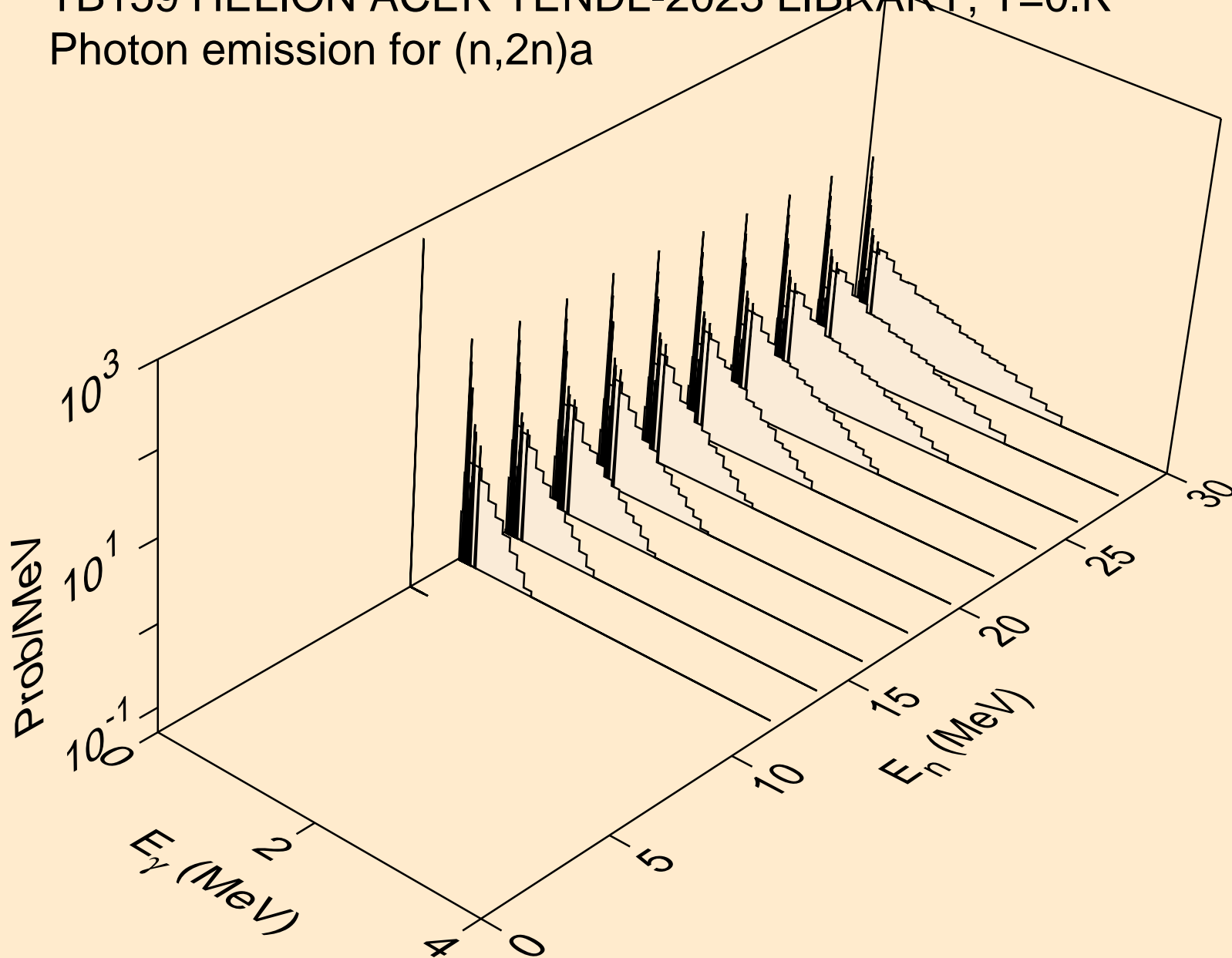
TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

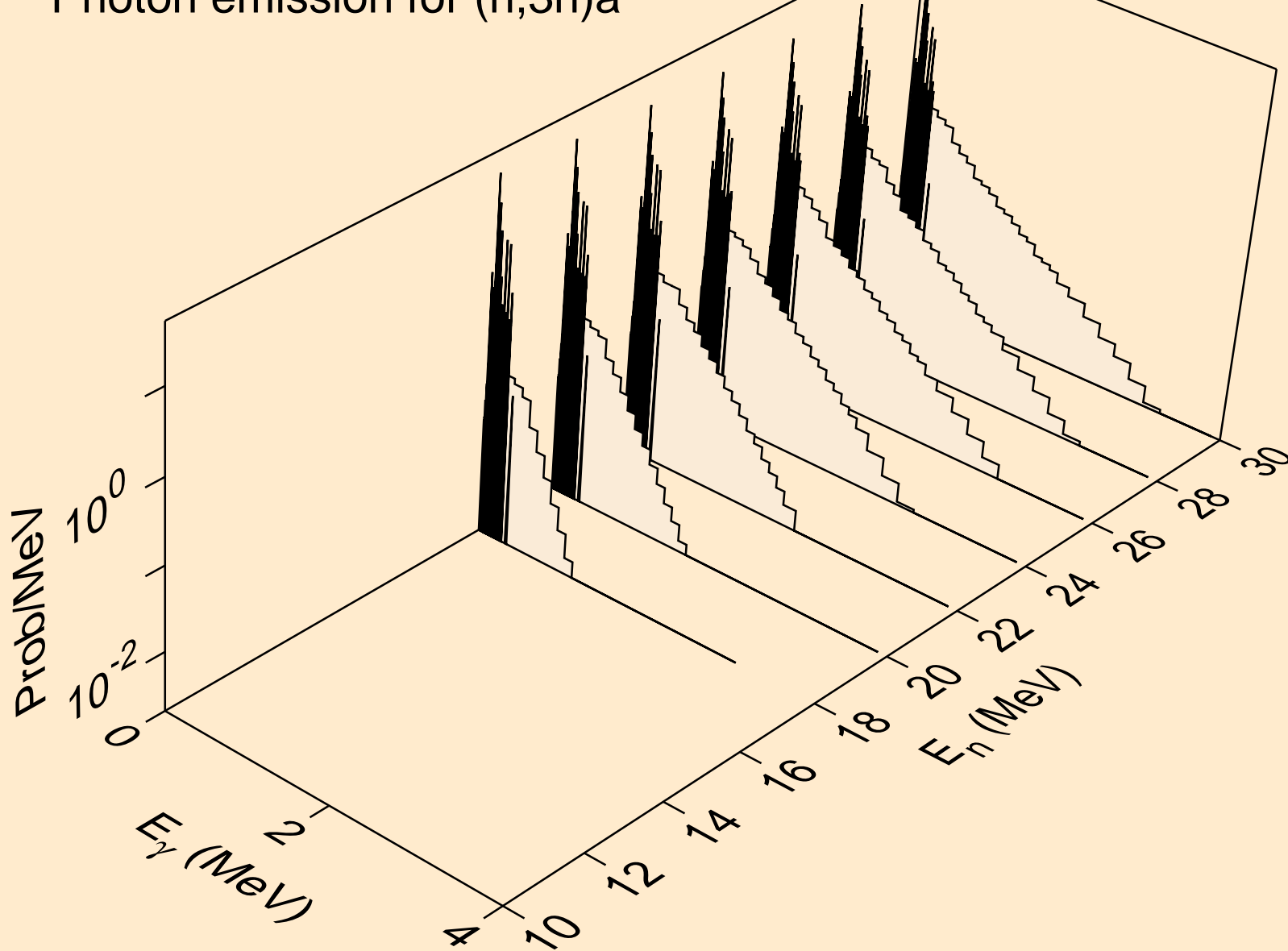


TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

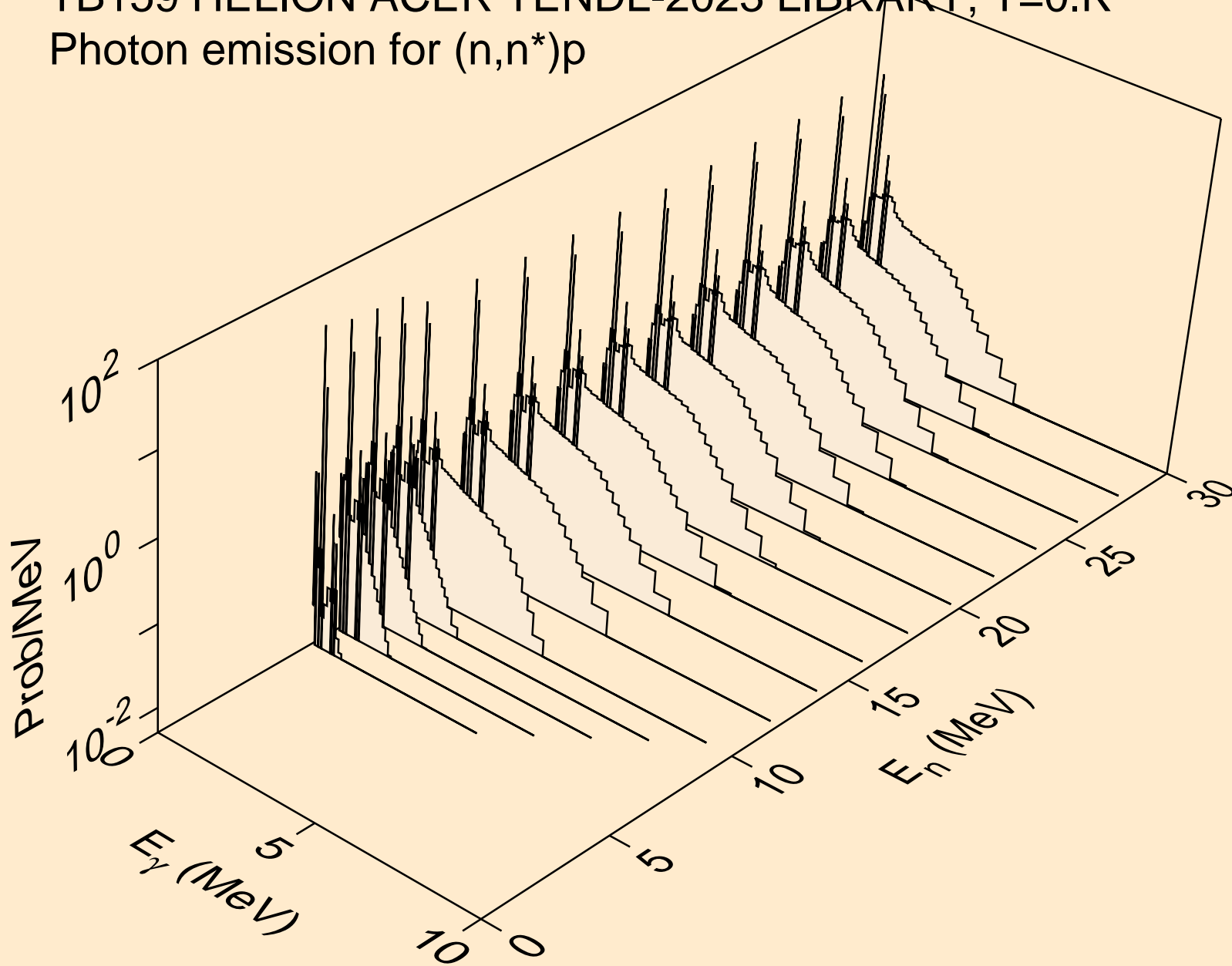




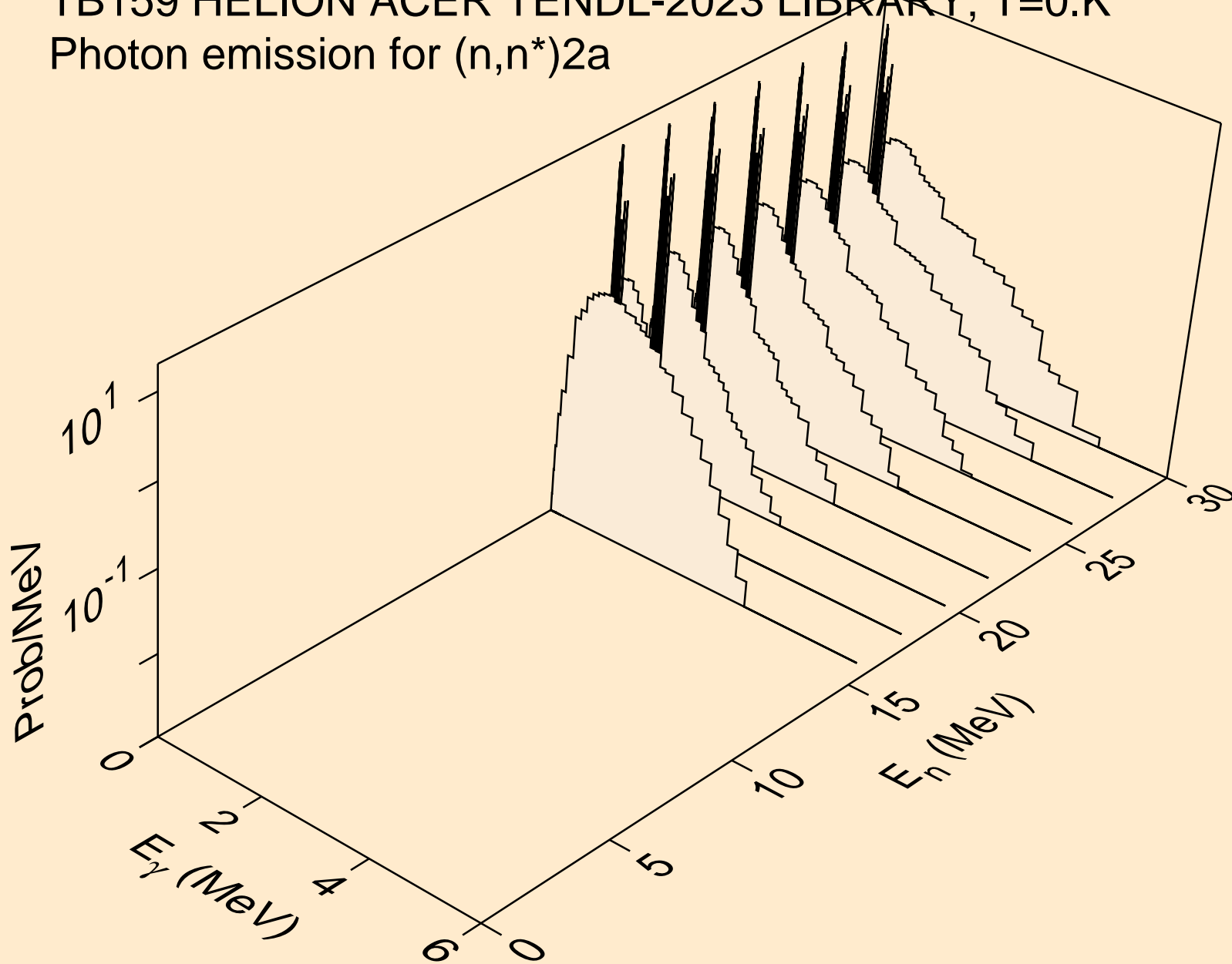
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Photon emission for (n,3n)a



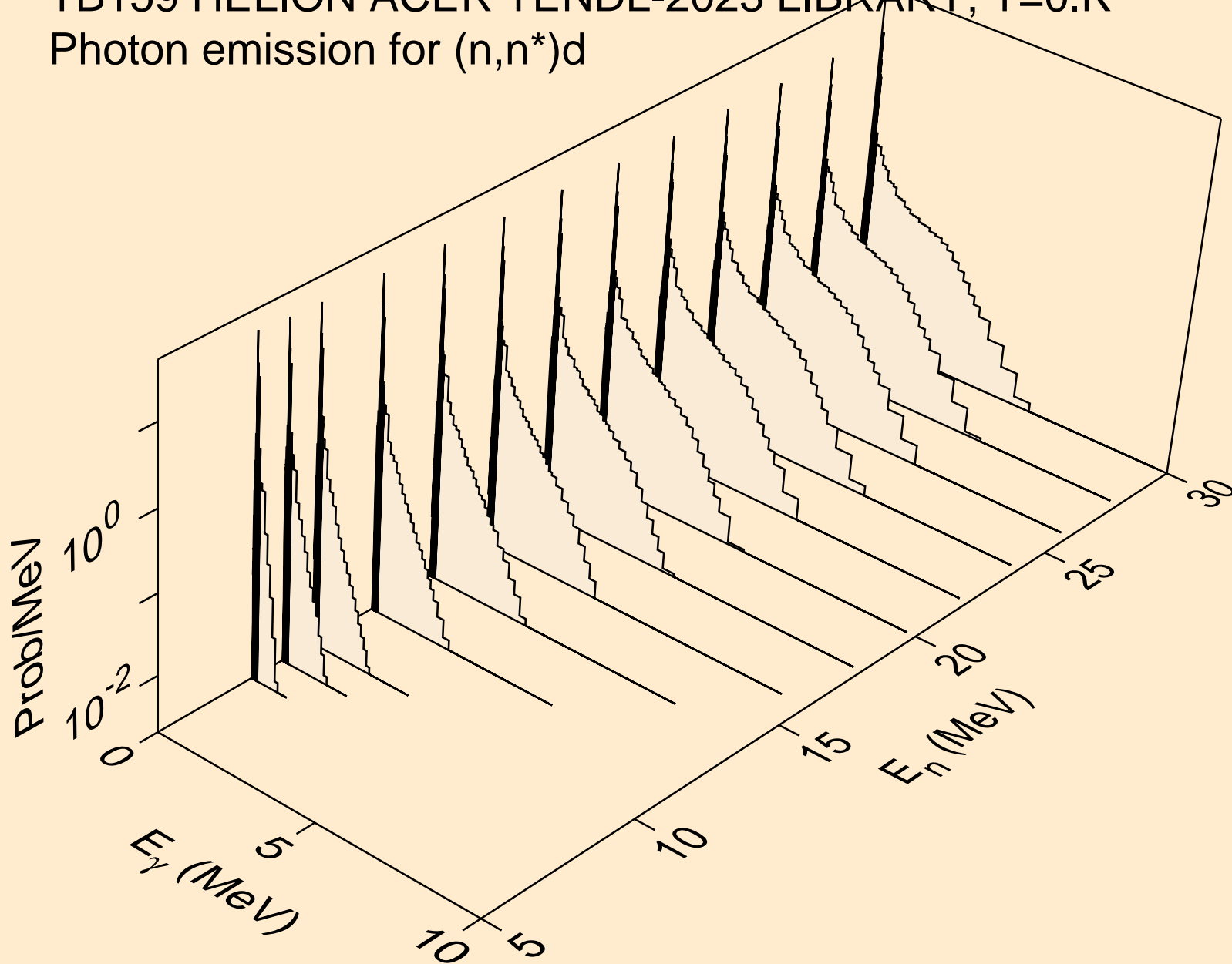
TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



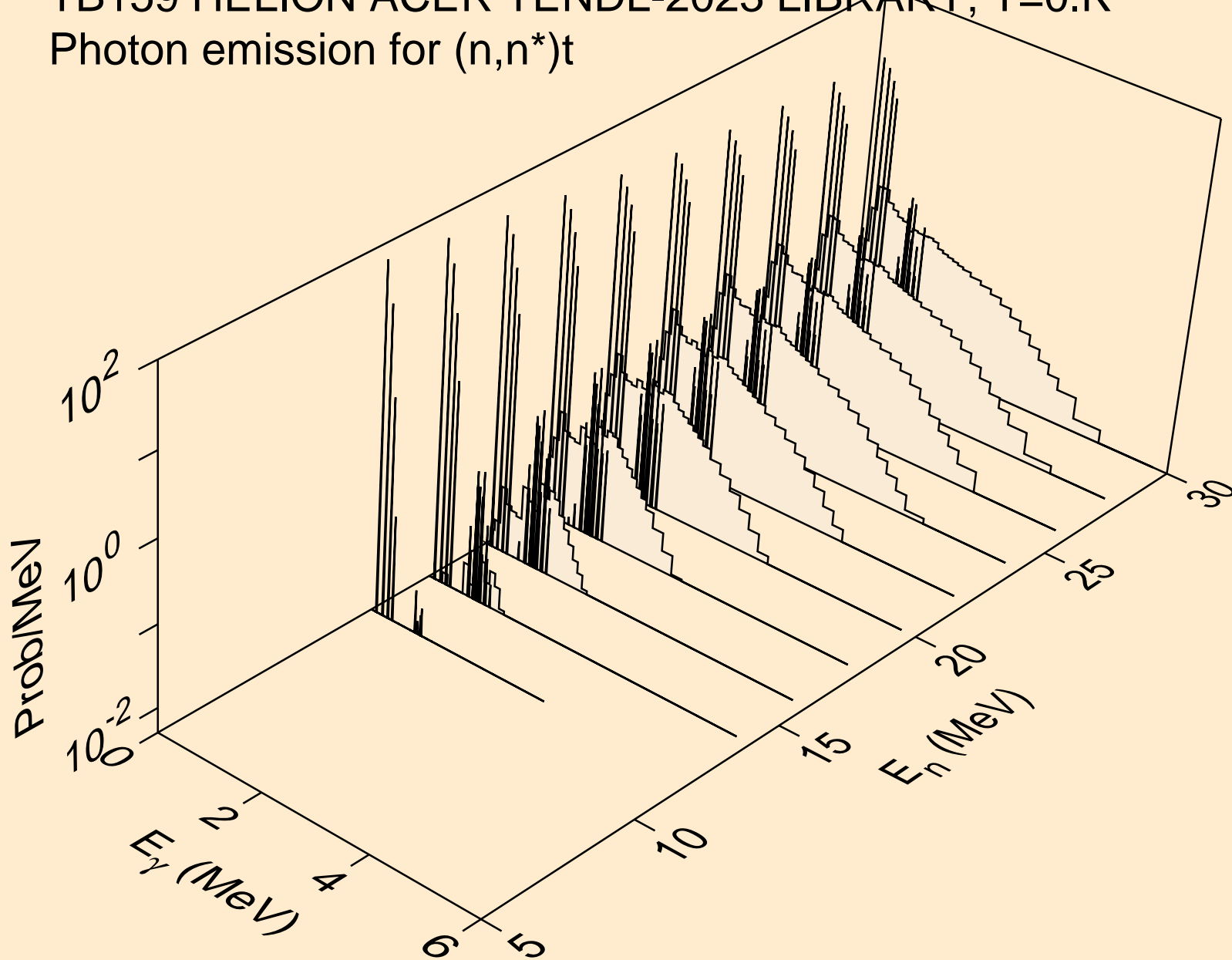
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Photon emission for (n,n\*)2a



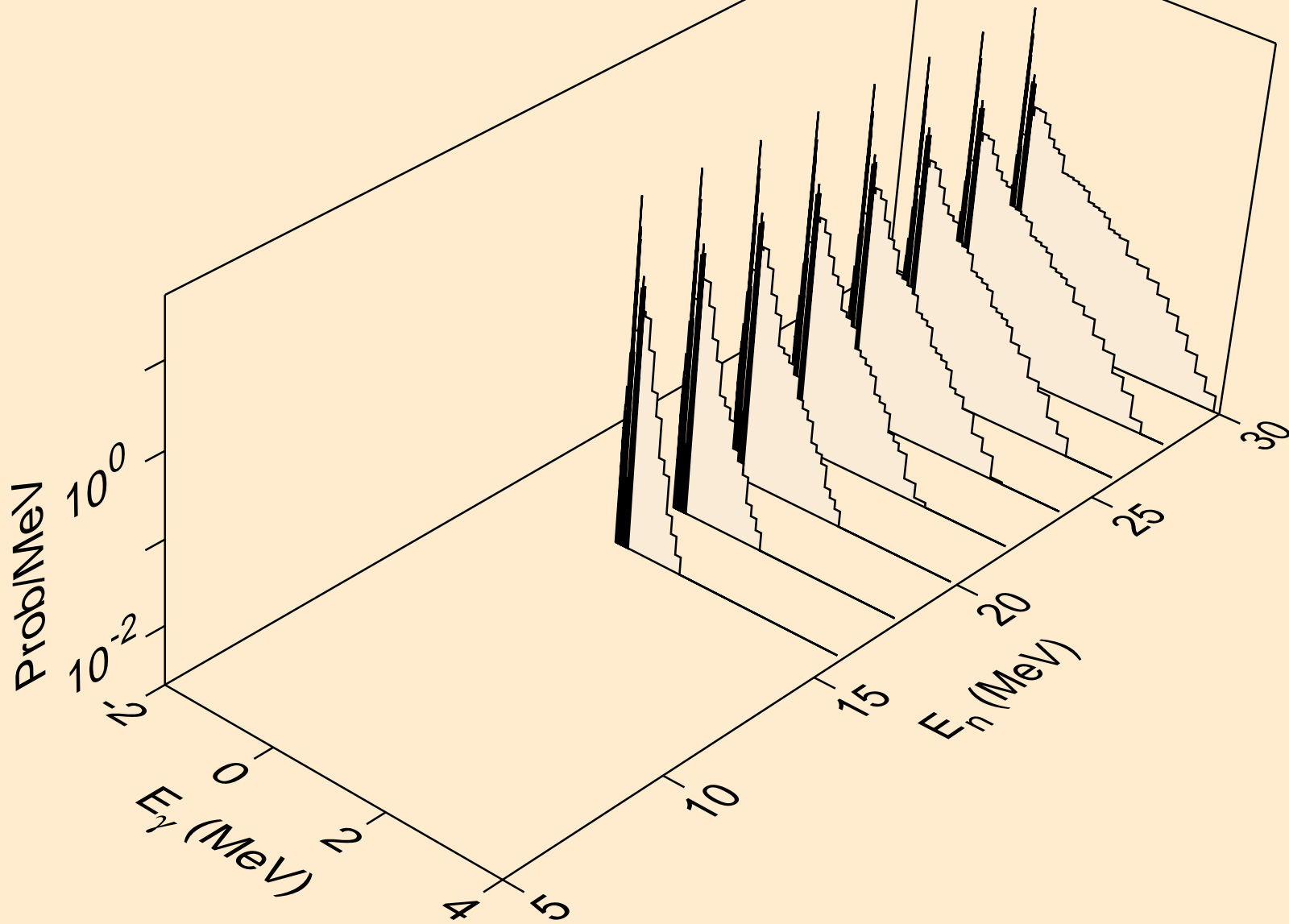
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Photon emission for (n,n\*)d



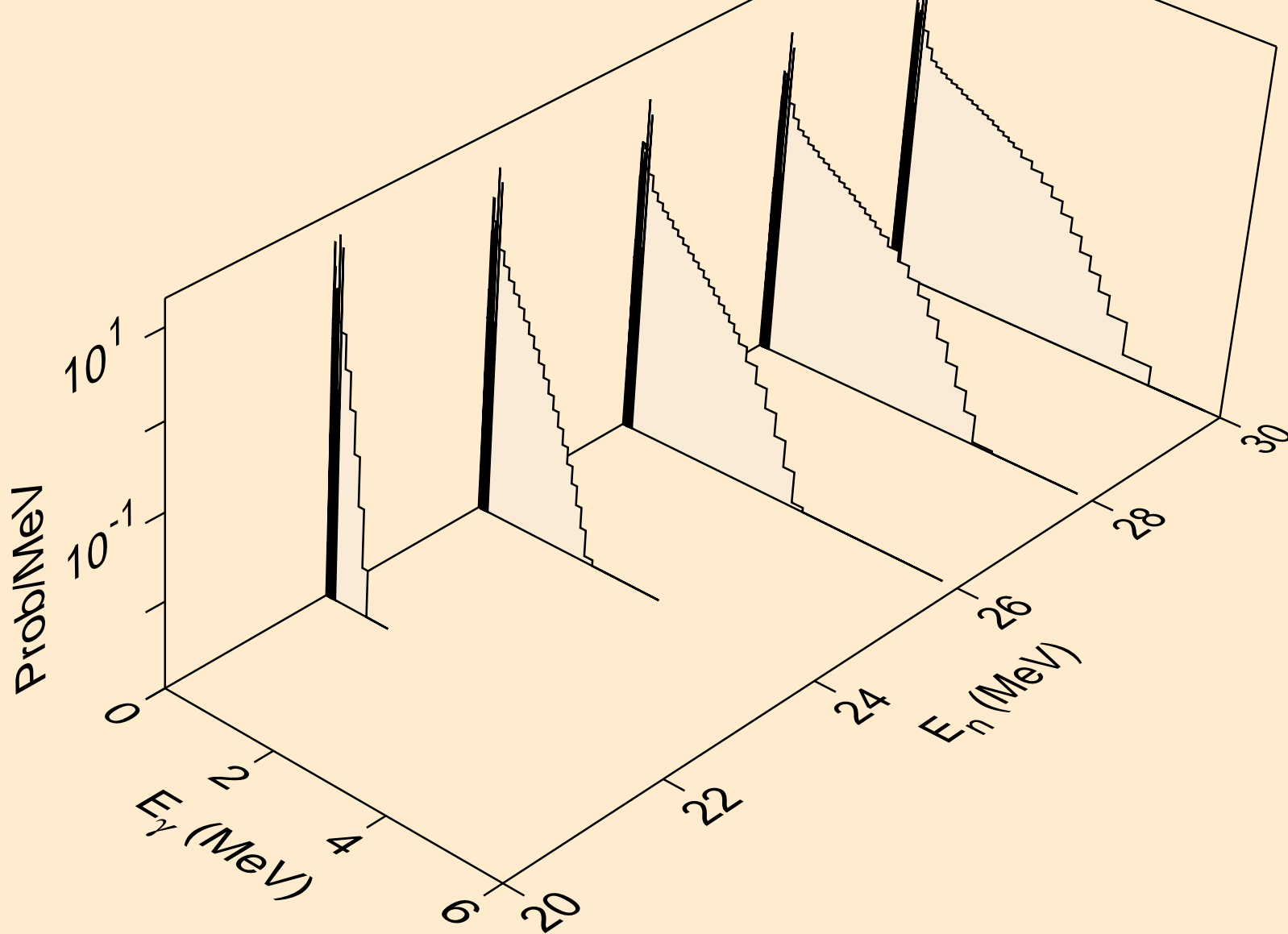
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Photon emission for (n,n\*)t



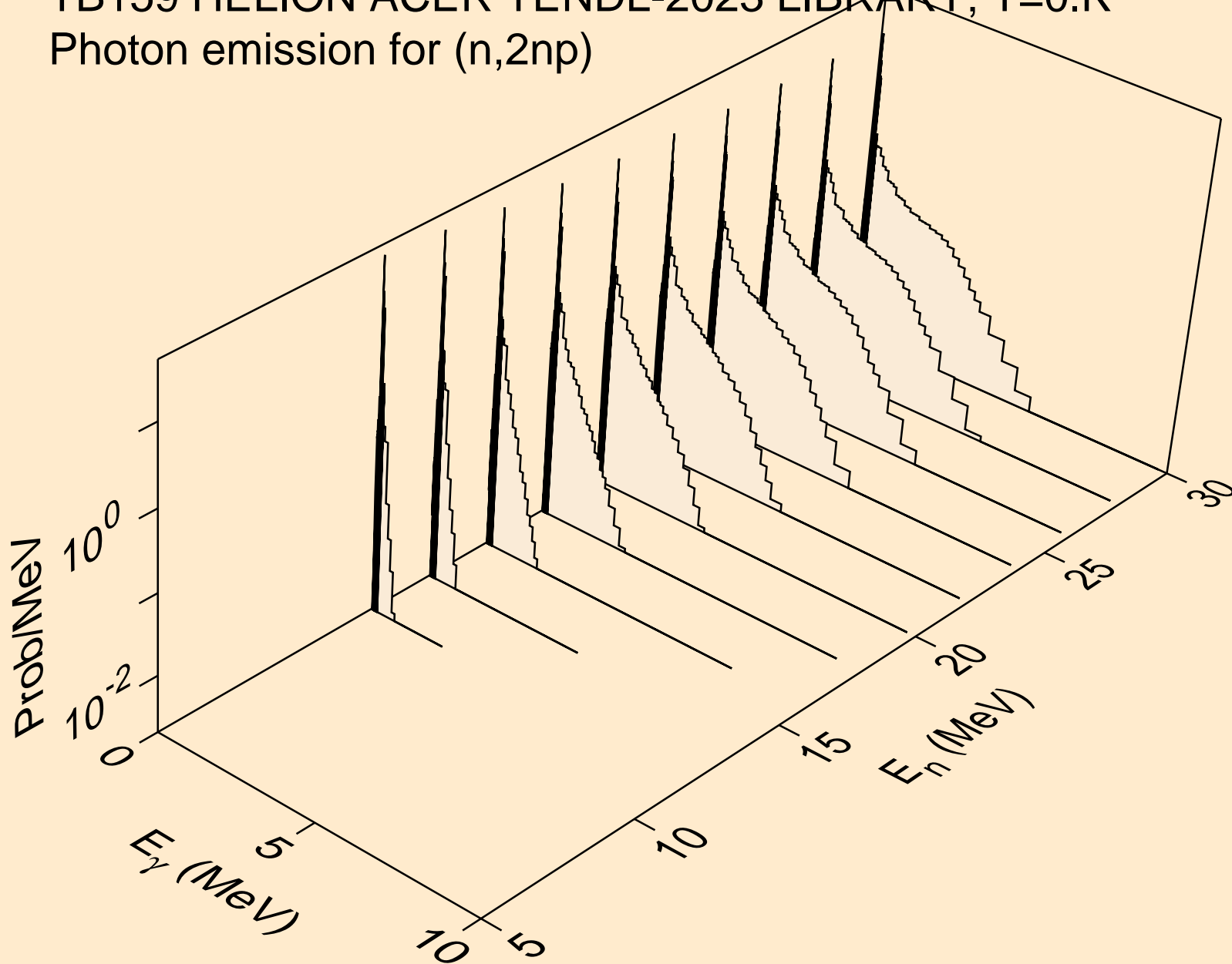
TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)

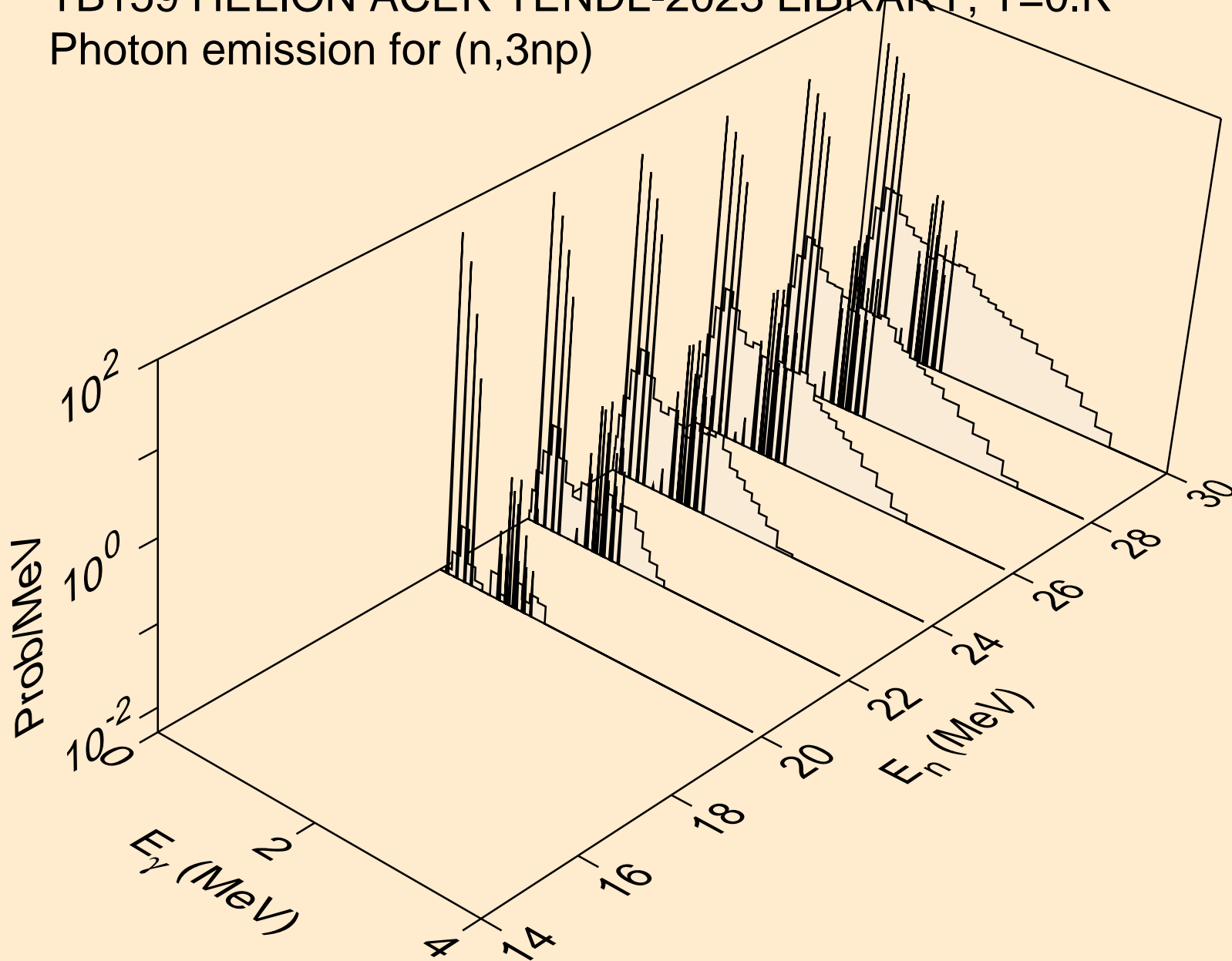


TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

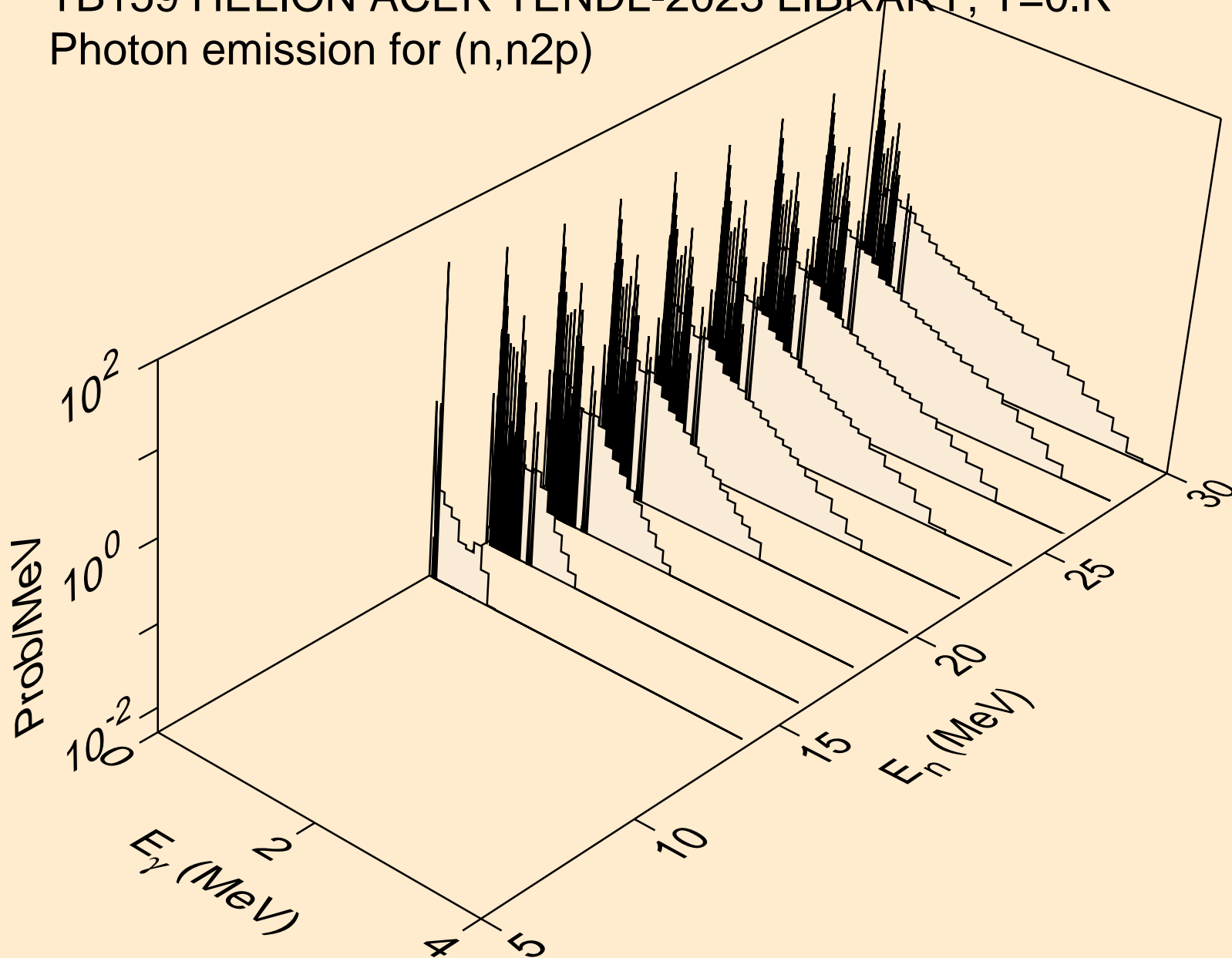




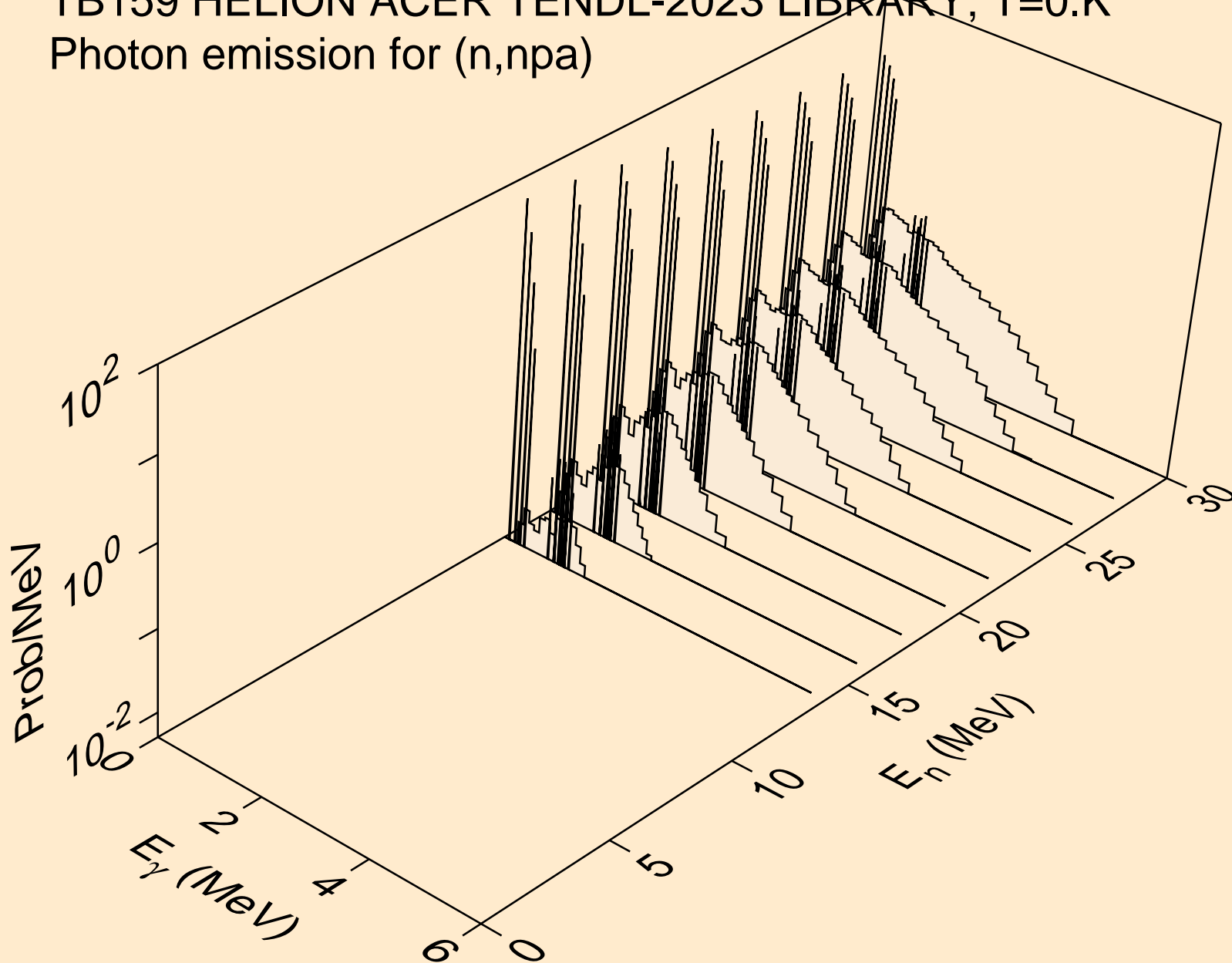
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Photon emission for (n,3np)



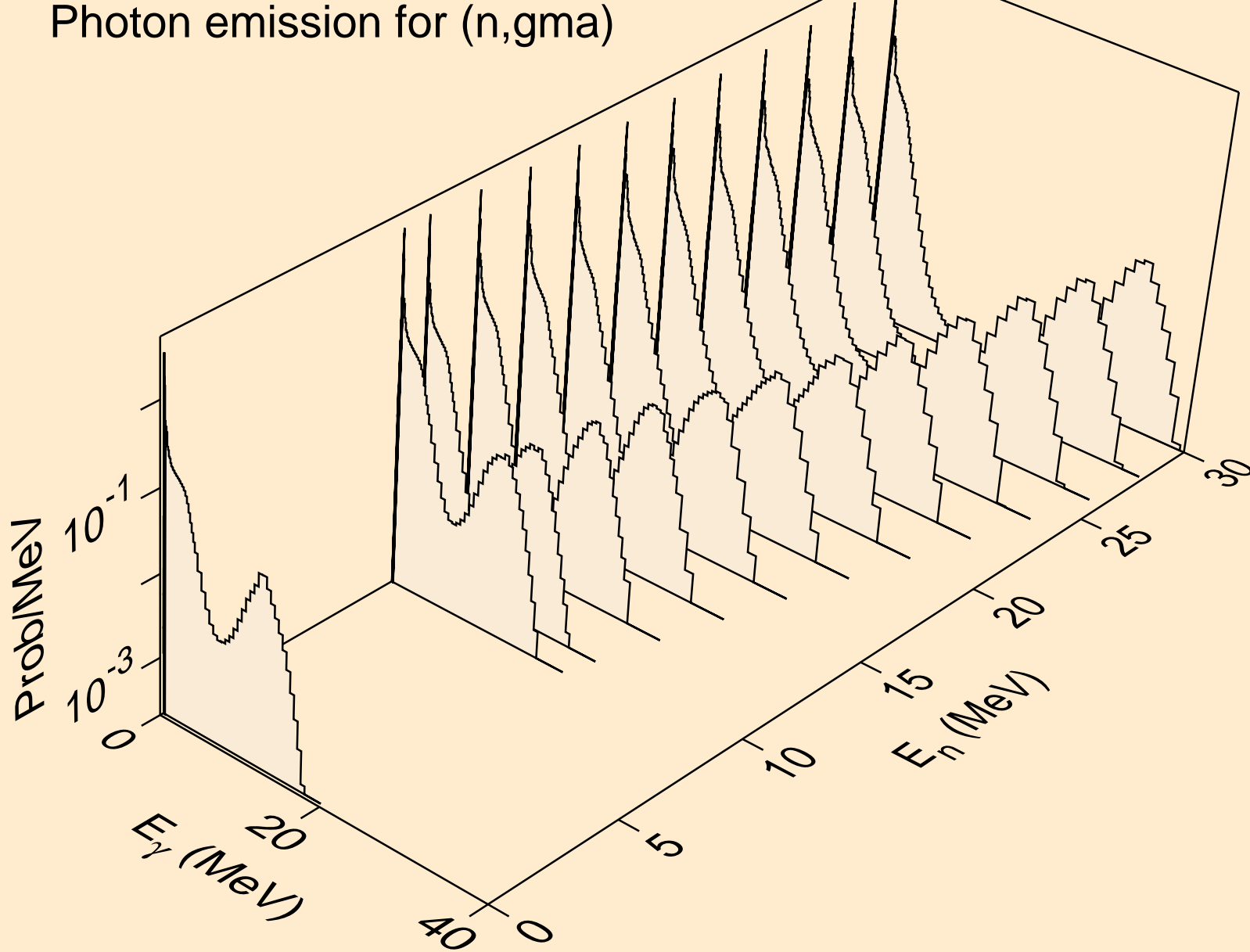
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Photon emission for (n,n2p)



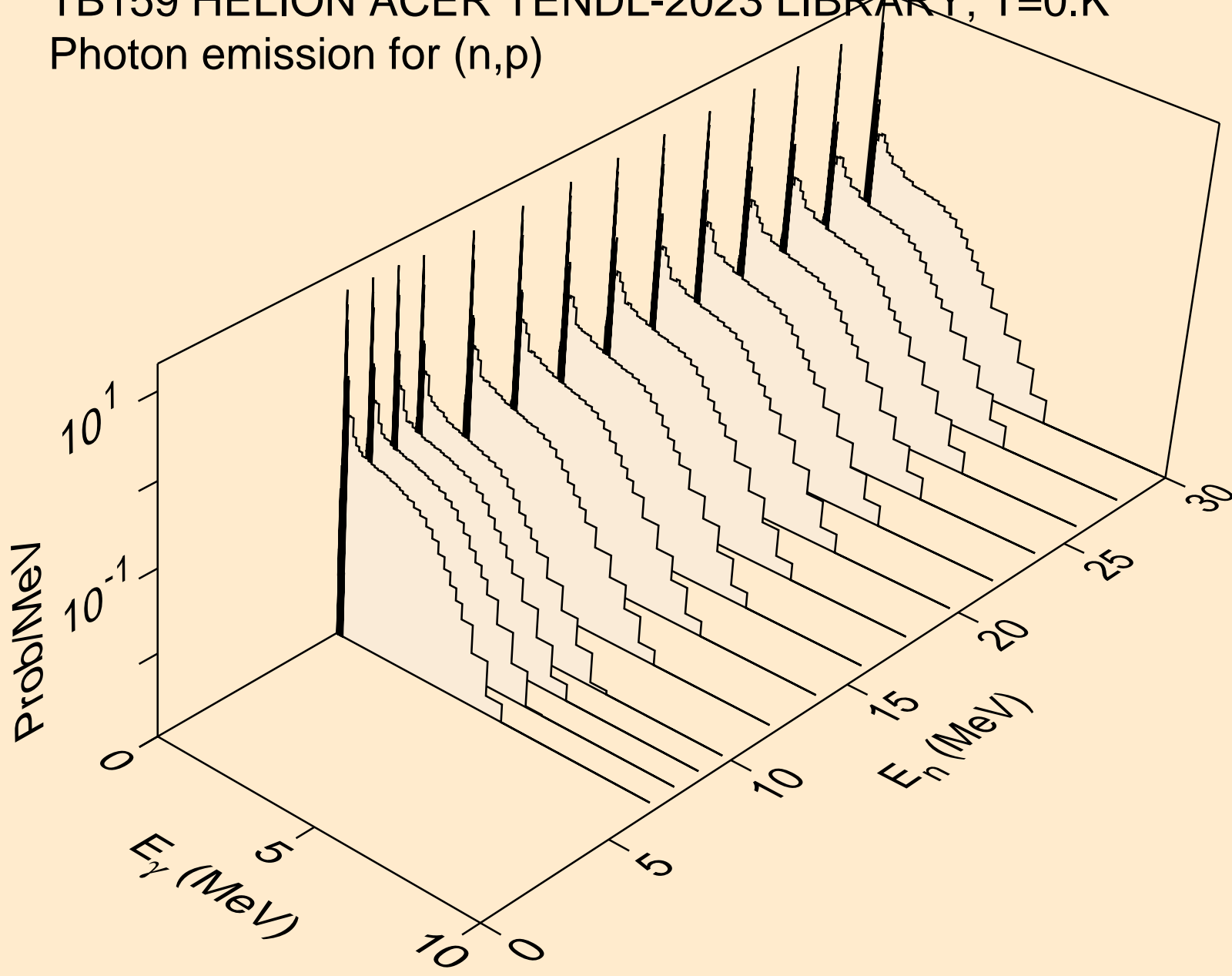
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Photon emission for (n,npa)



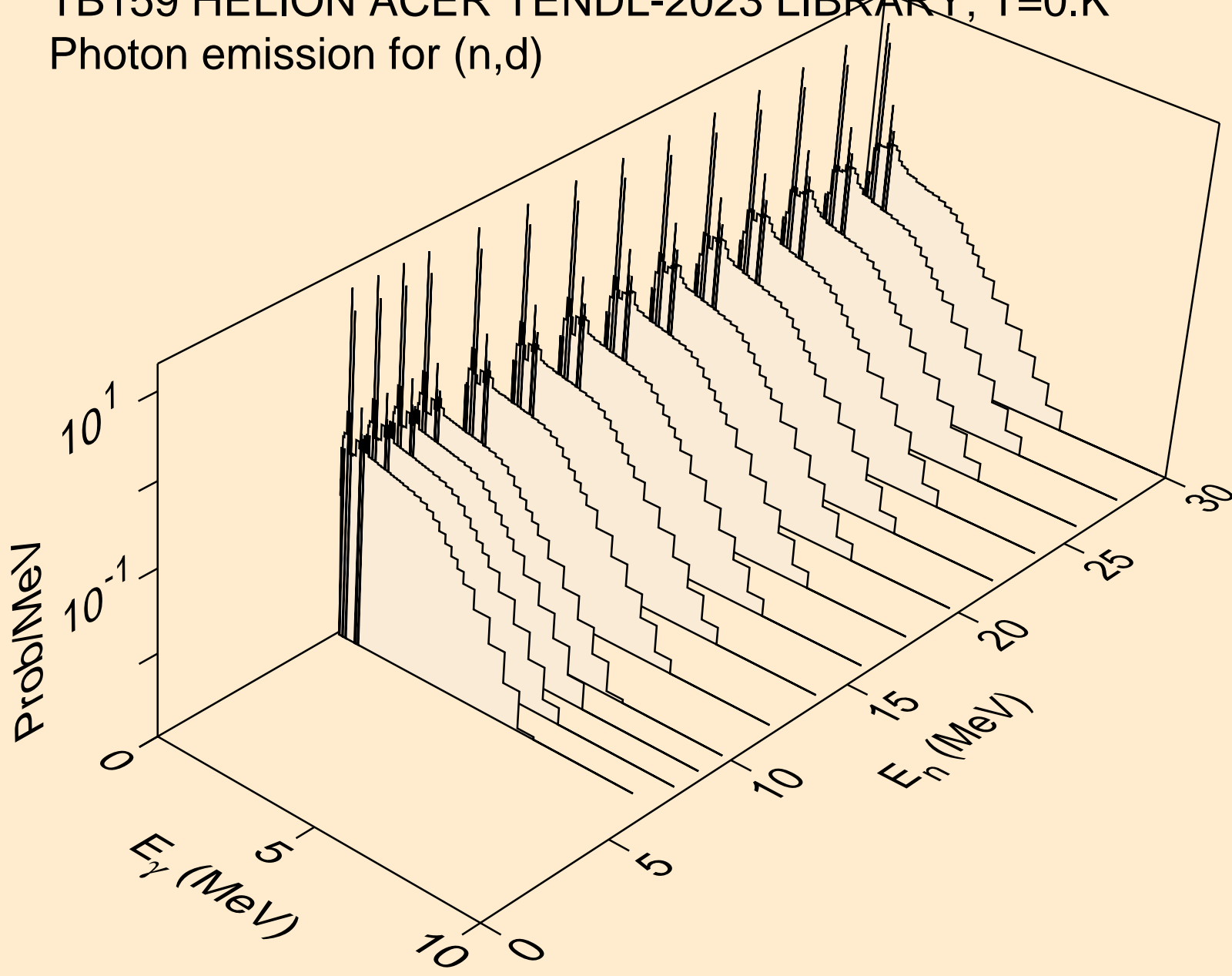
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Photon emission for (n,gma)



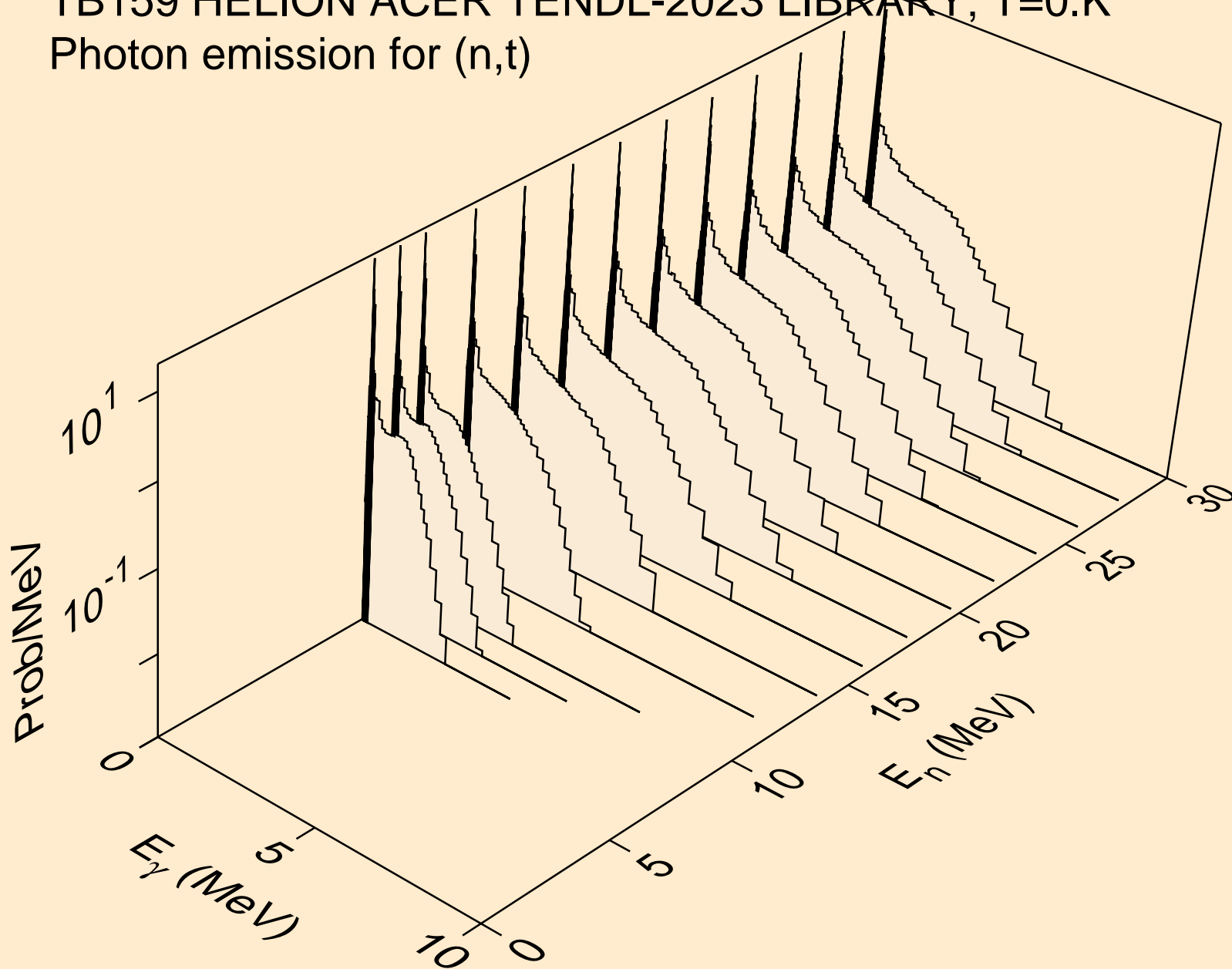
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Photon emission for (n,p)



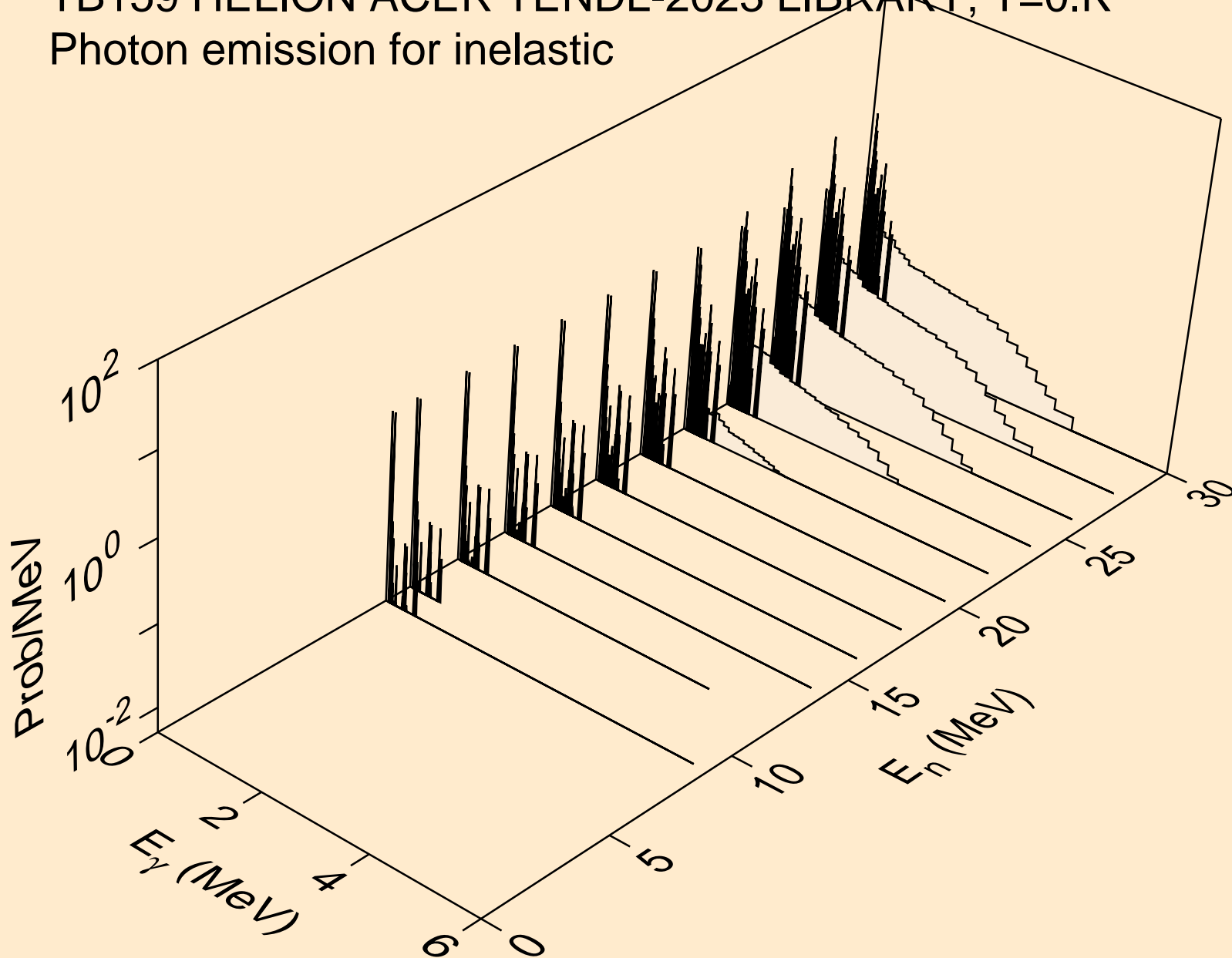
TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

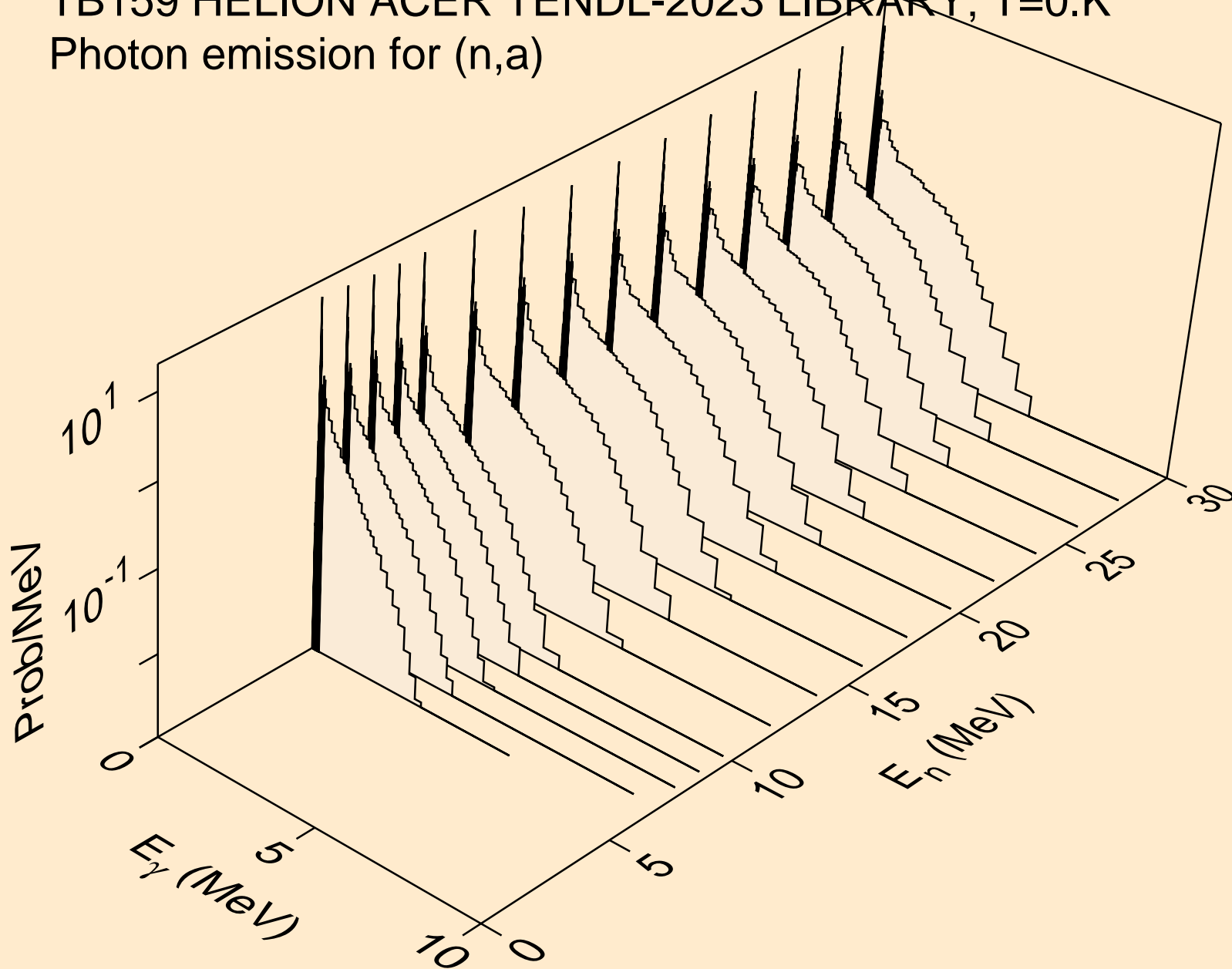


TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic

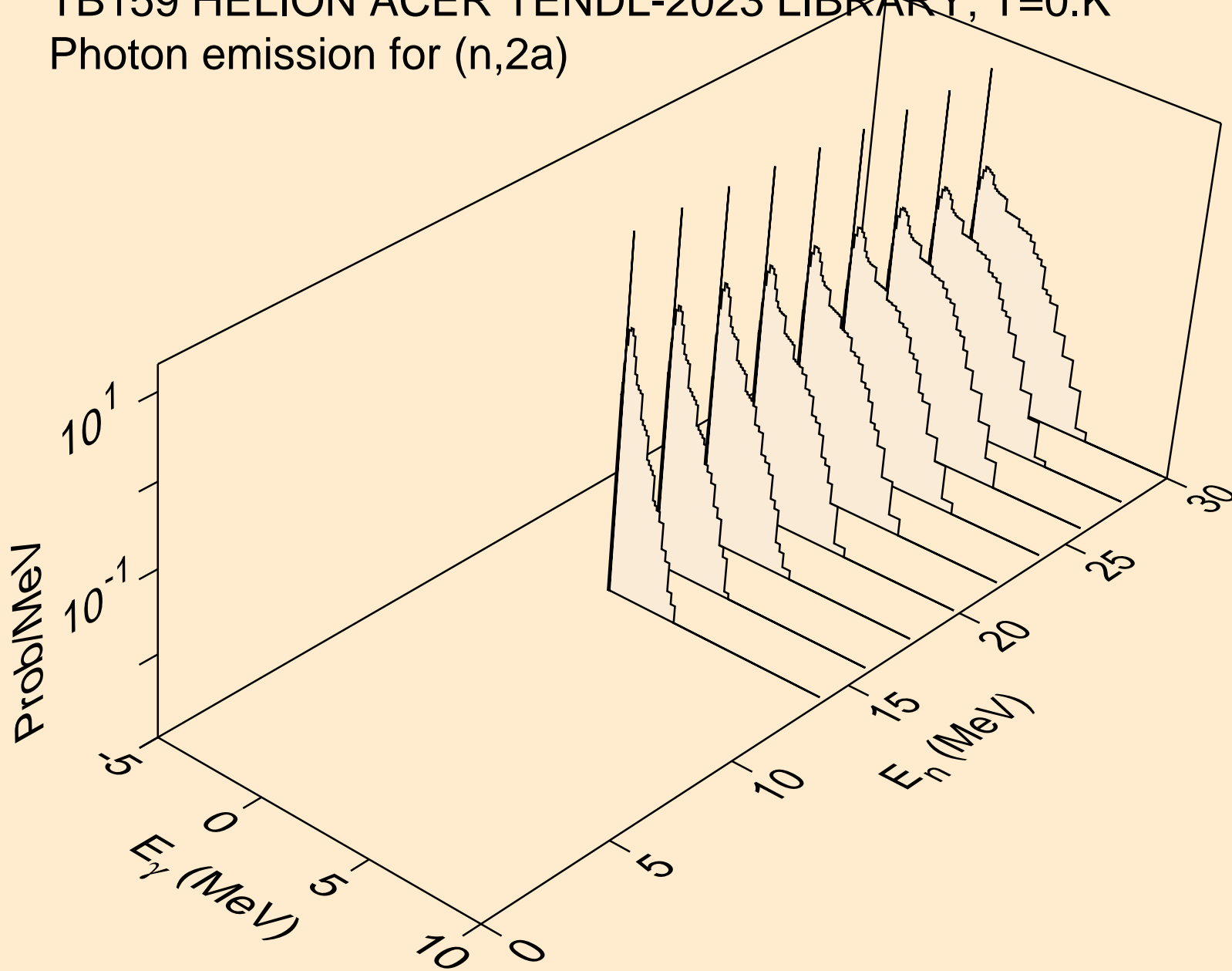




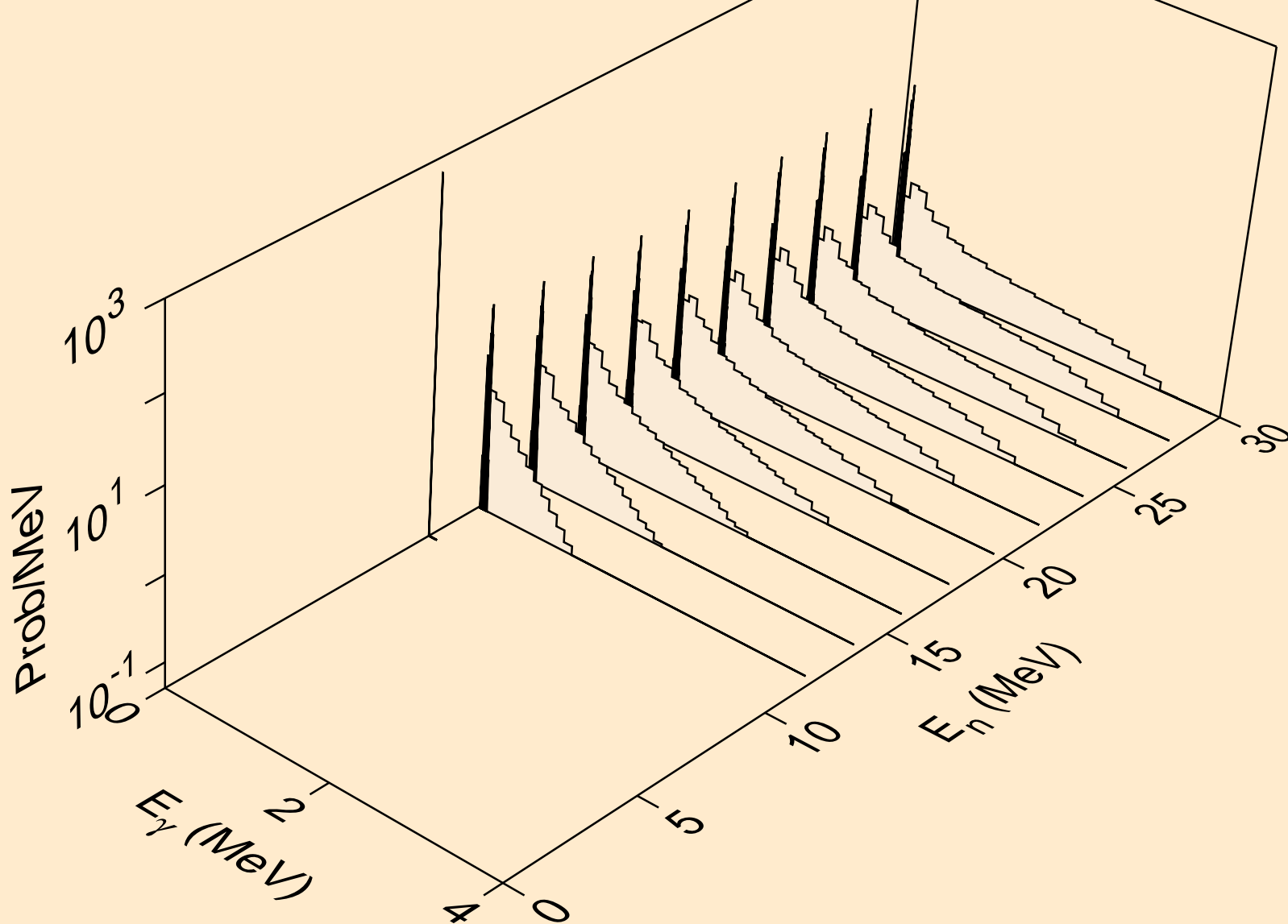
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Photon emission for (n,a)



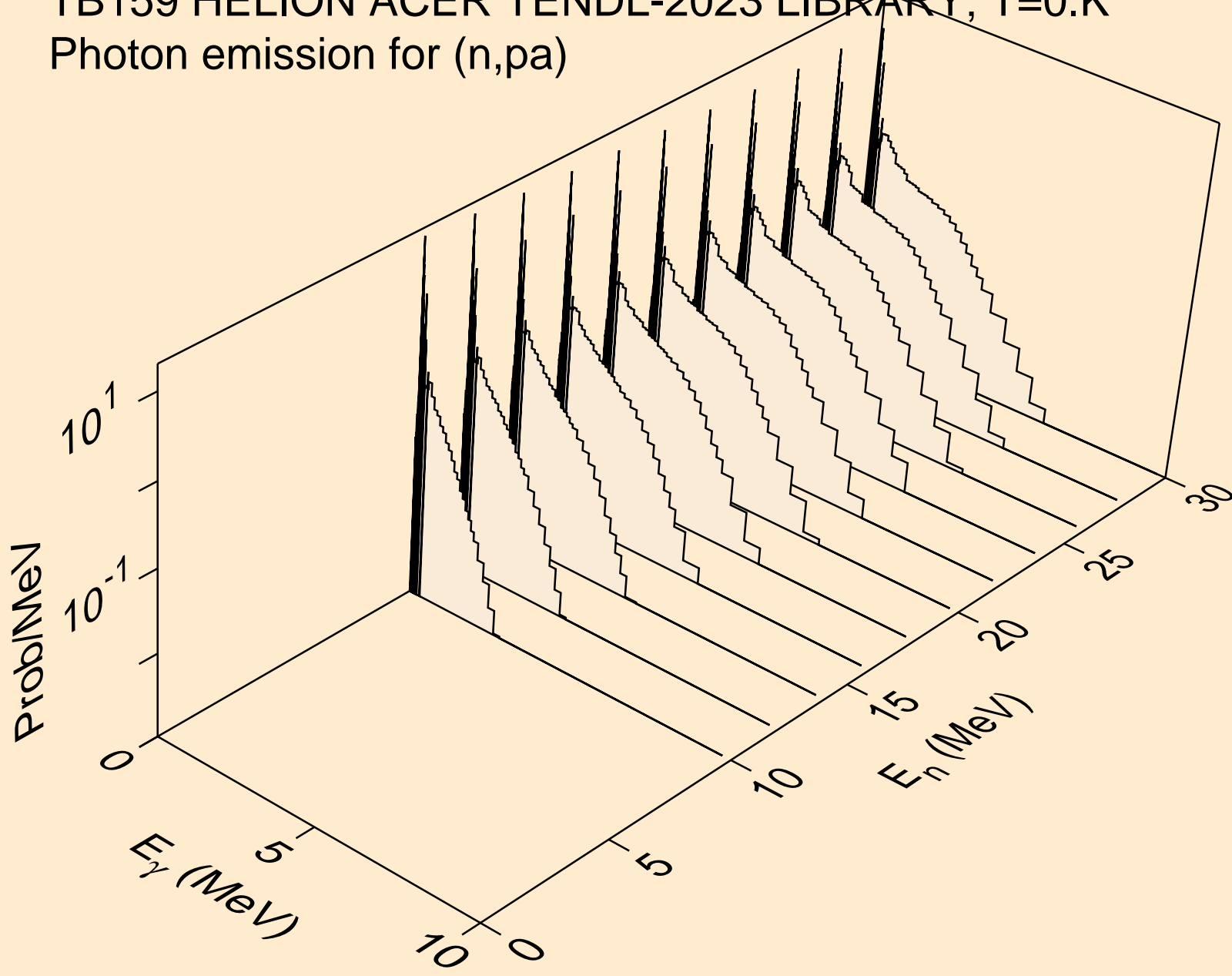
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Photon emission for (n,2a)



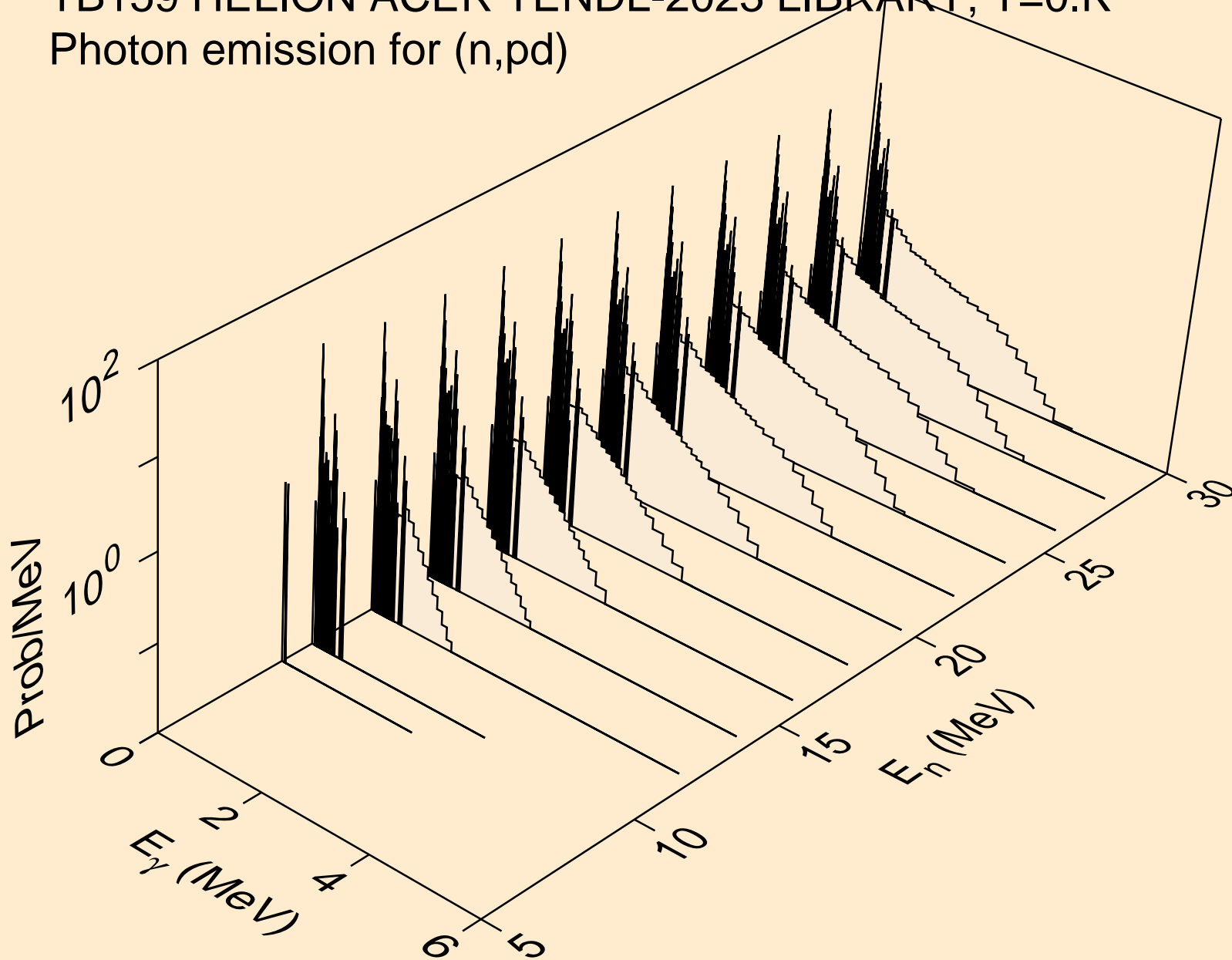
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Photon emission for (n,2p)



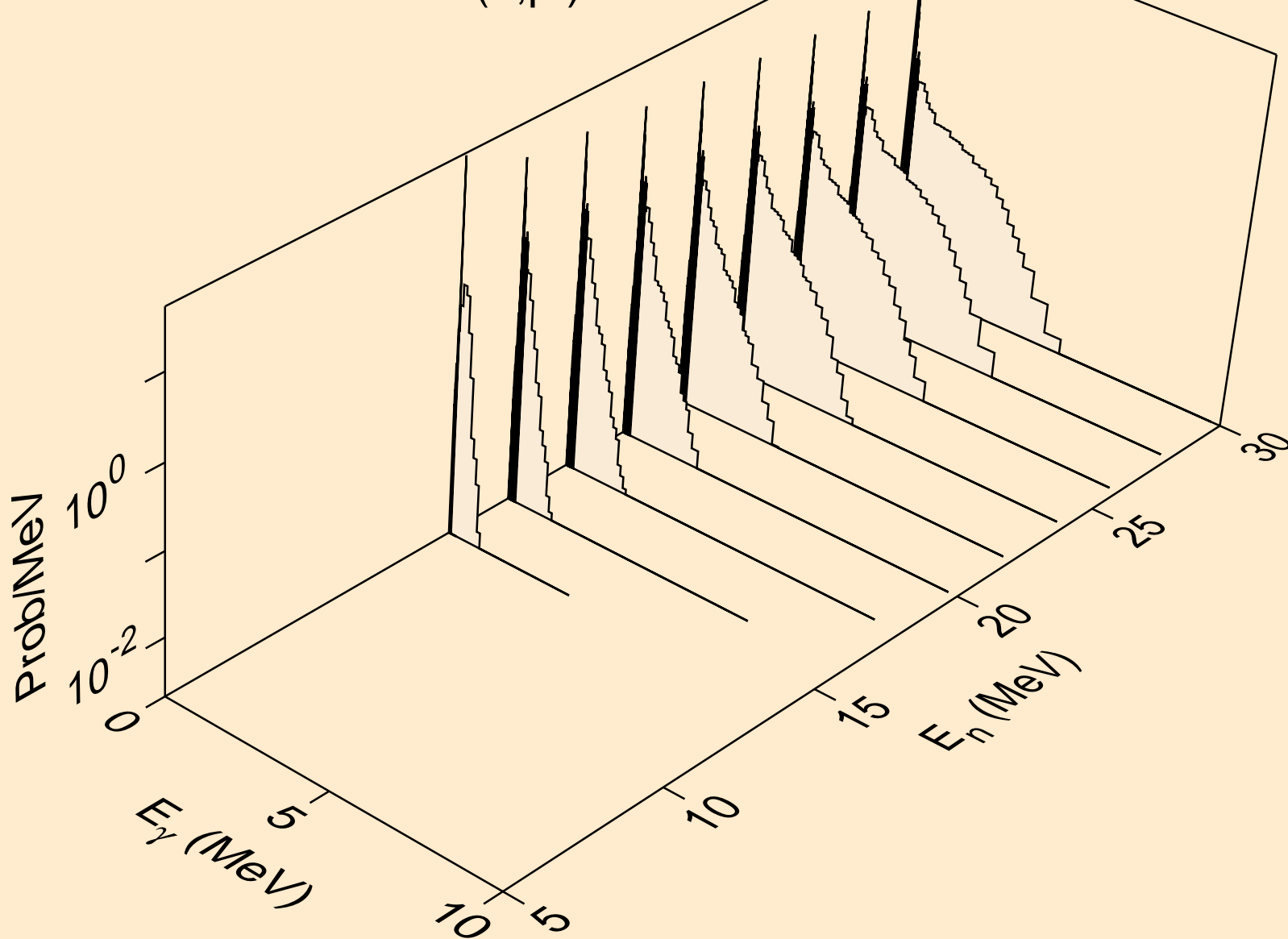
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Photon emission for (n,p $\alpha$ )



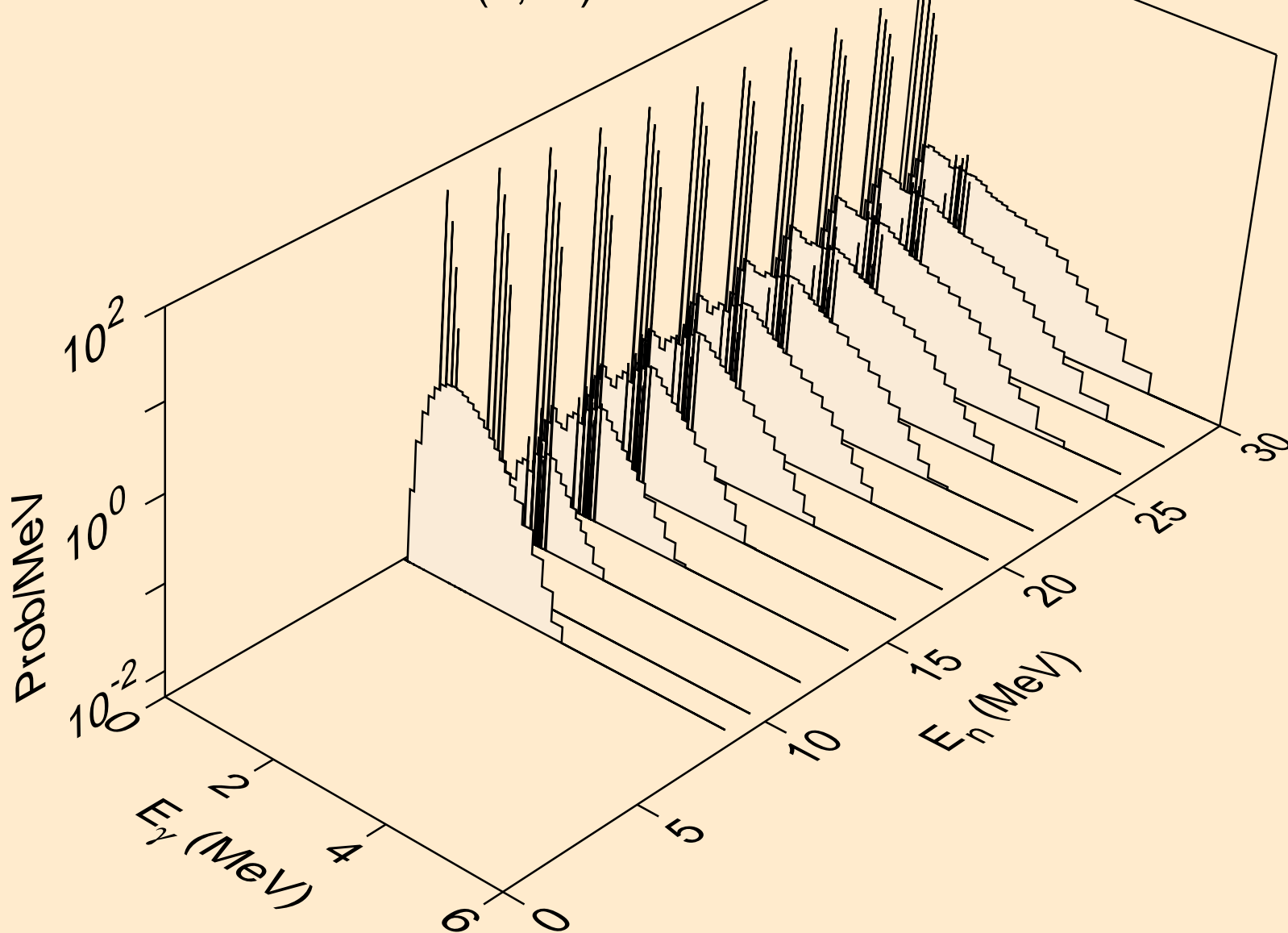
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Photon emission for (n,pd)



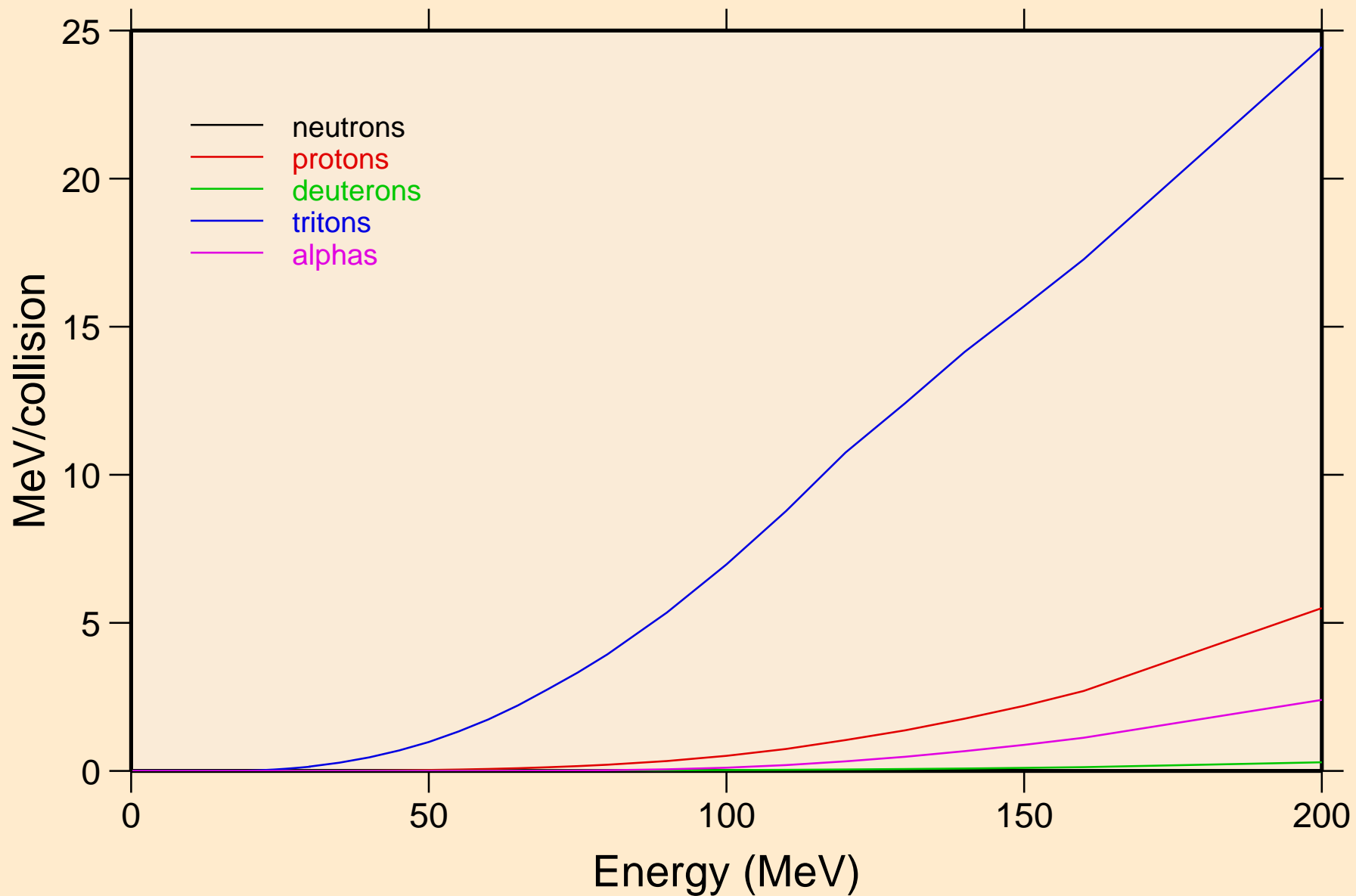
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Photon emission for (n,pt)



TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

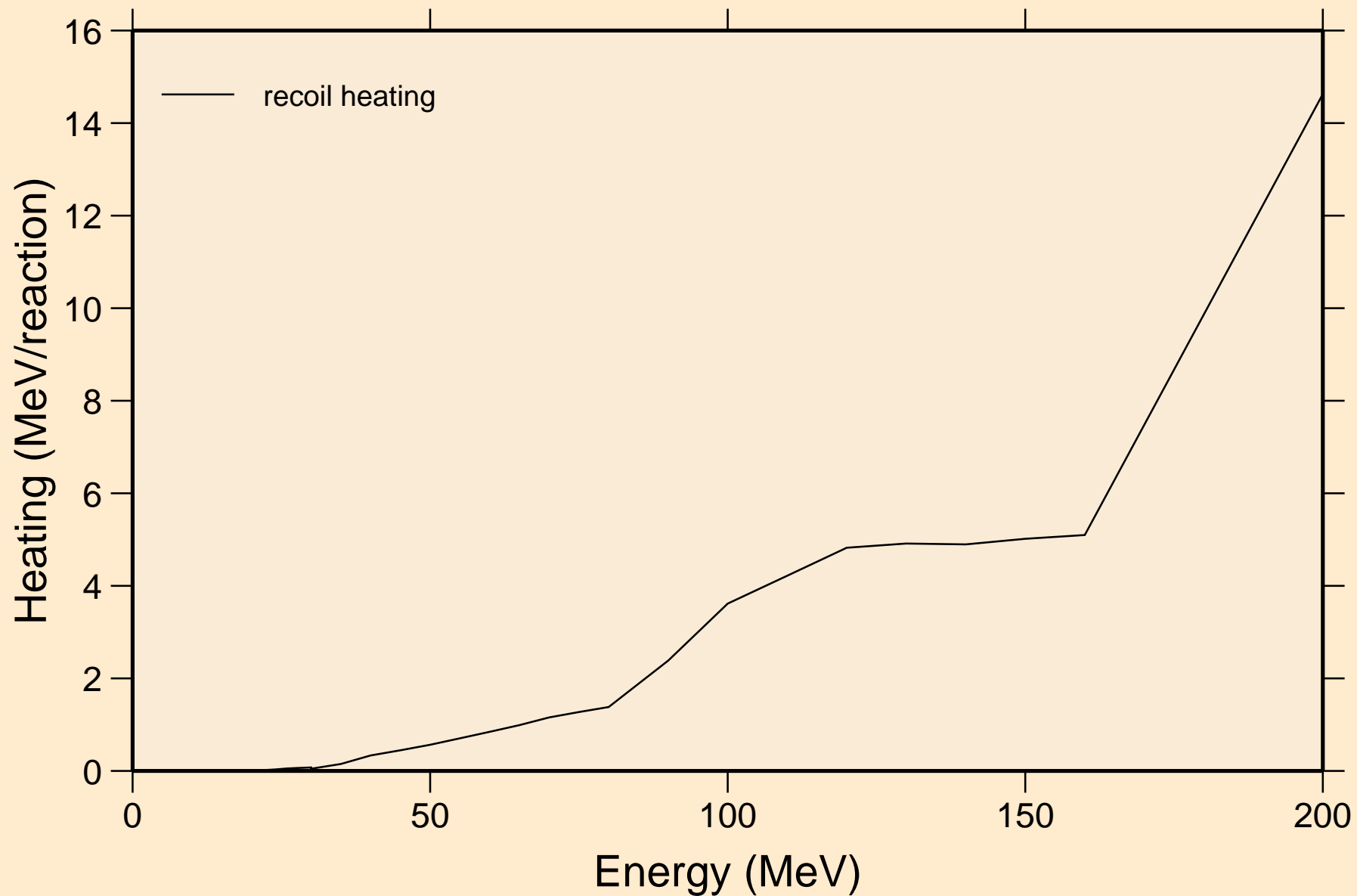


TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions



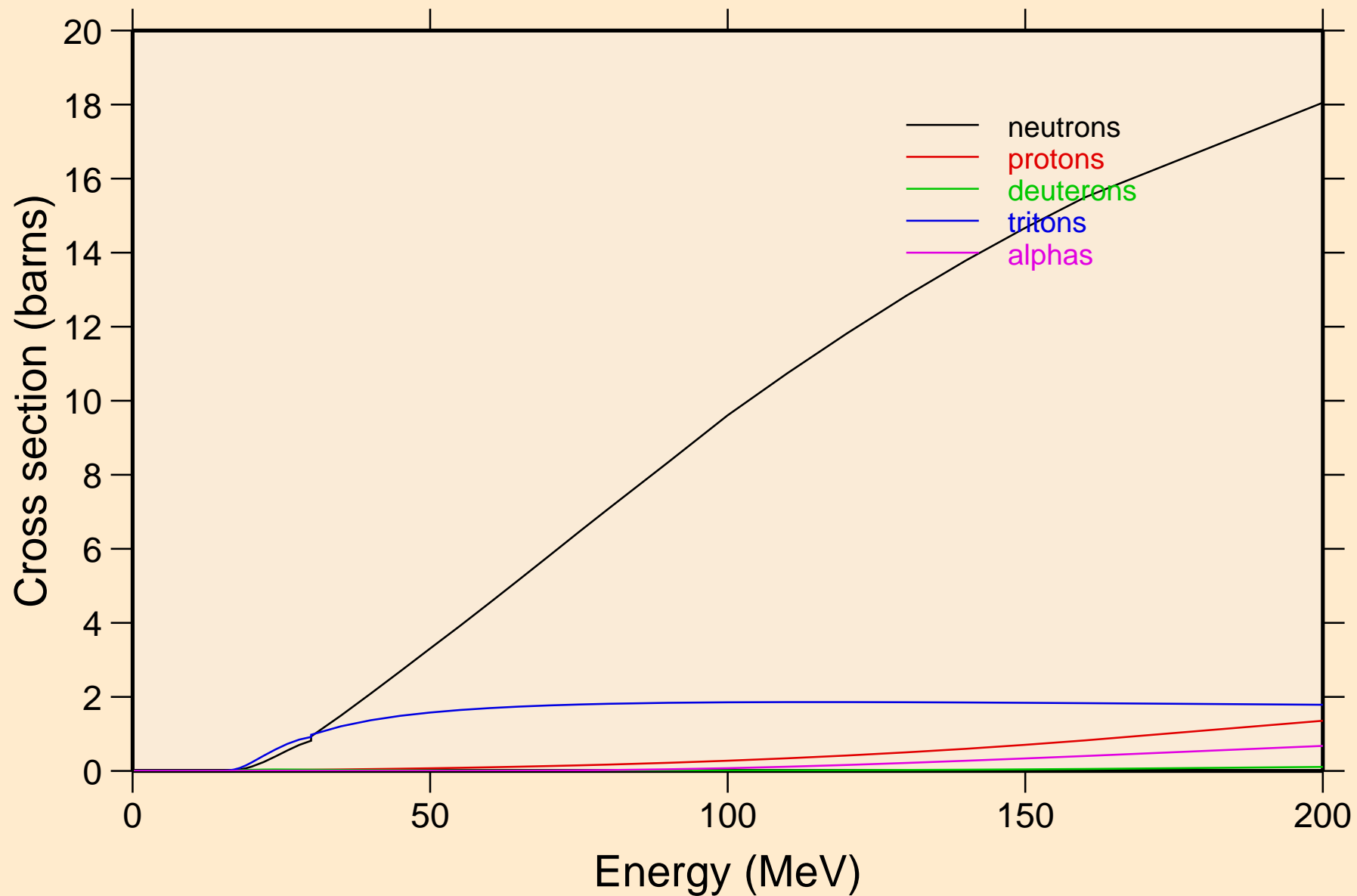


TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

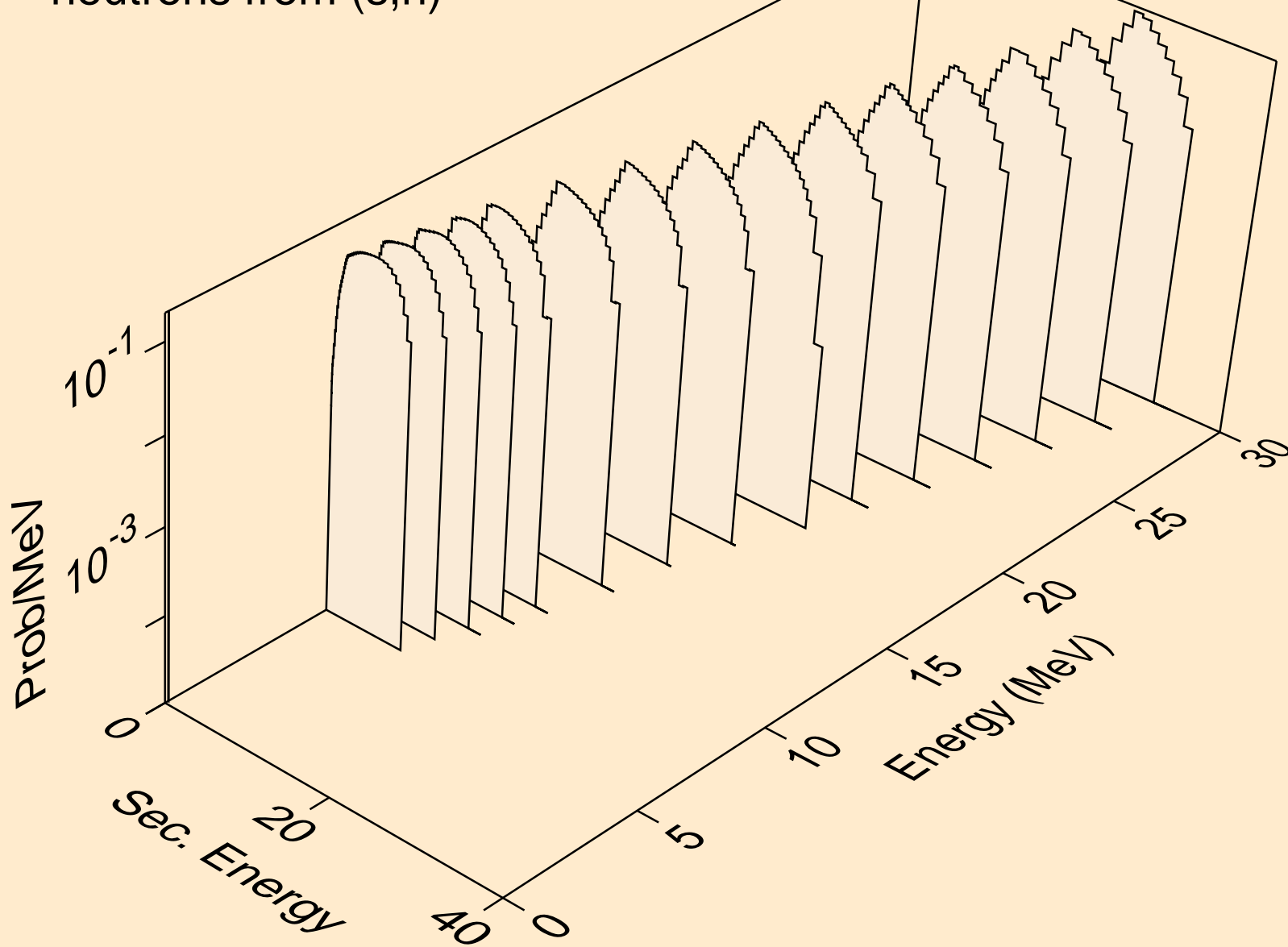


# TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K

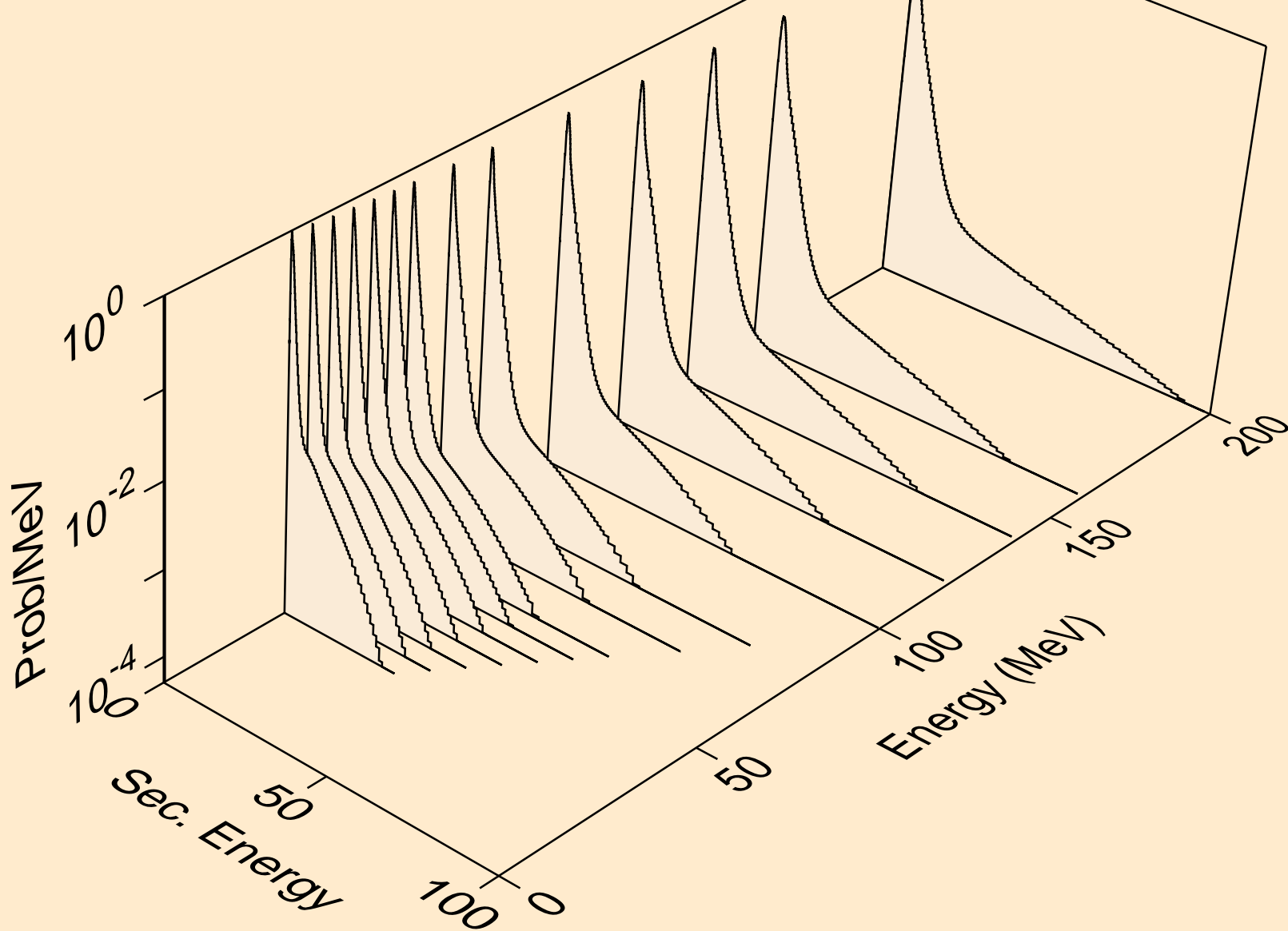
## Particle production cross sections



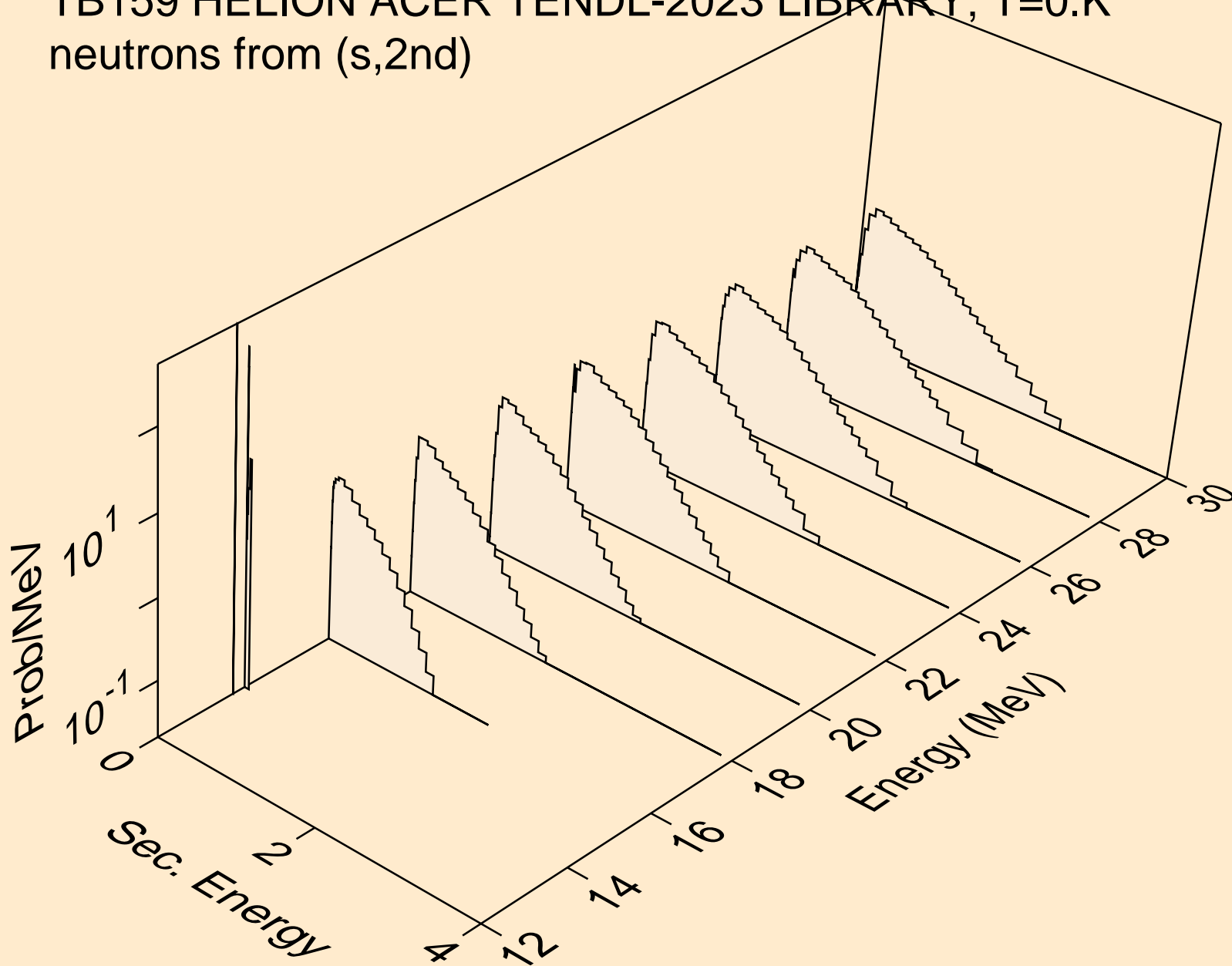
TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



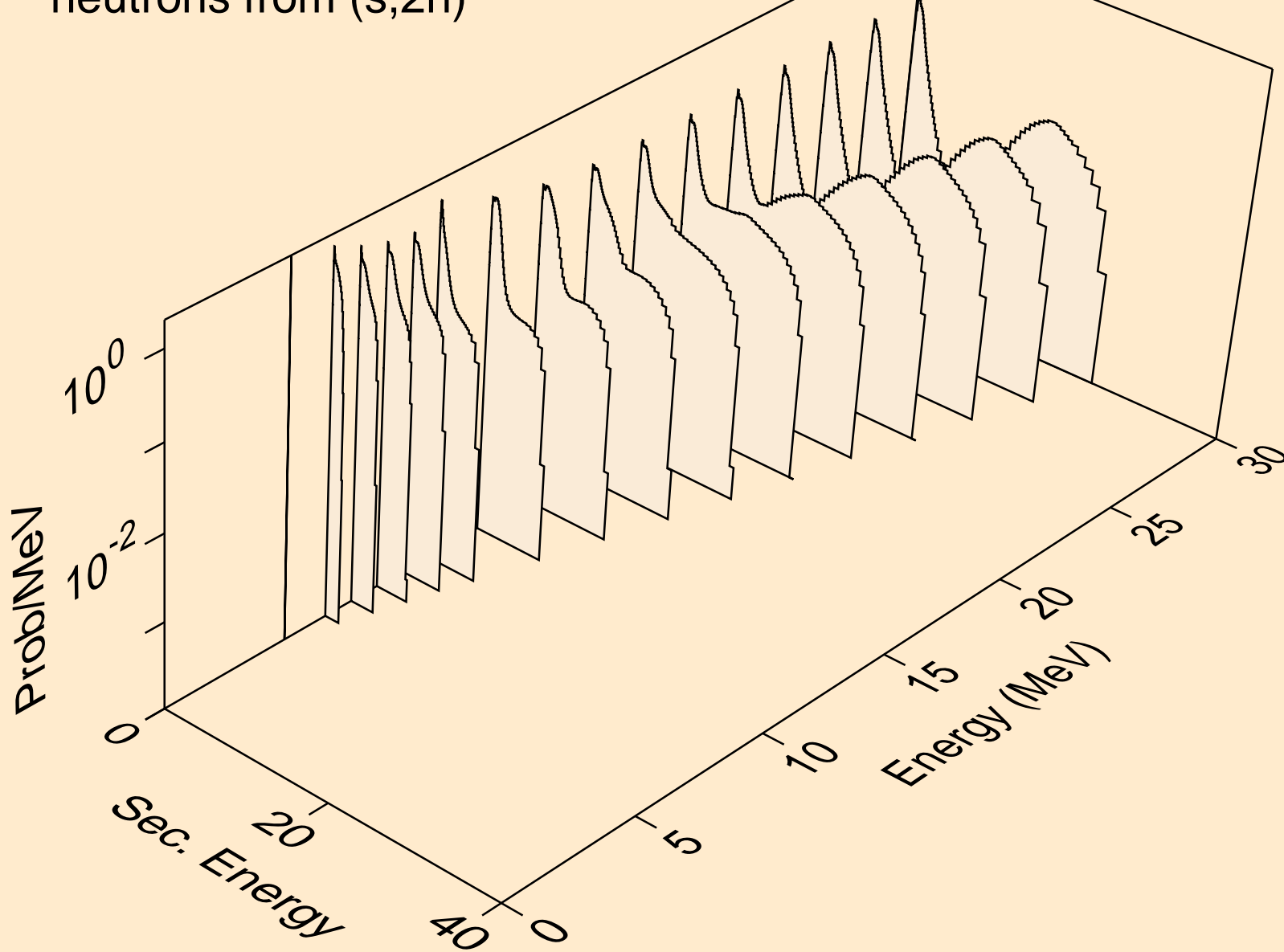
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neutrons from (s,x)



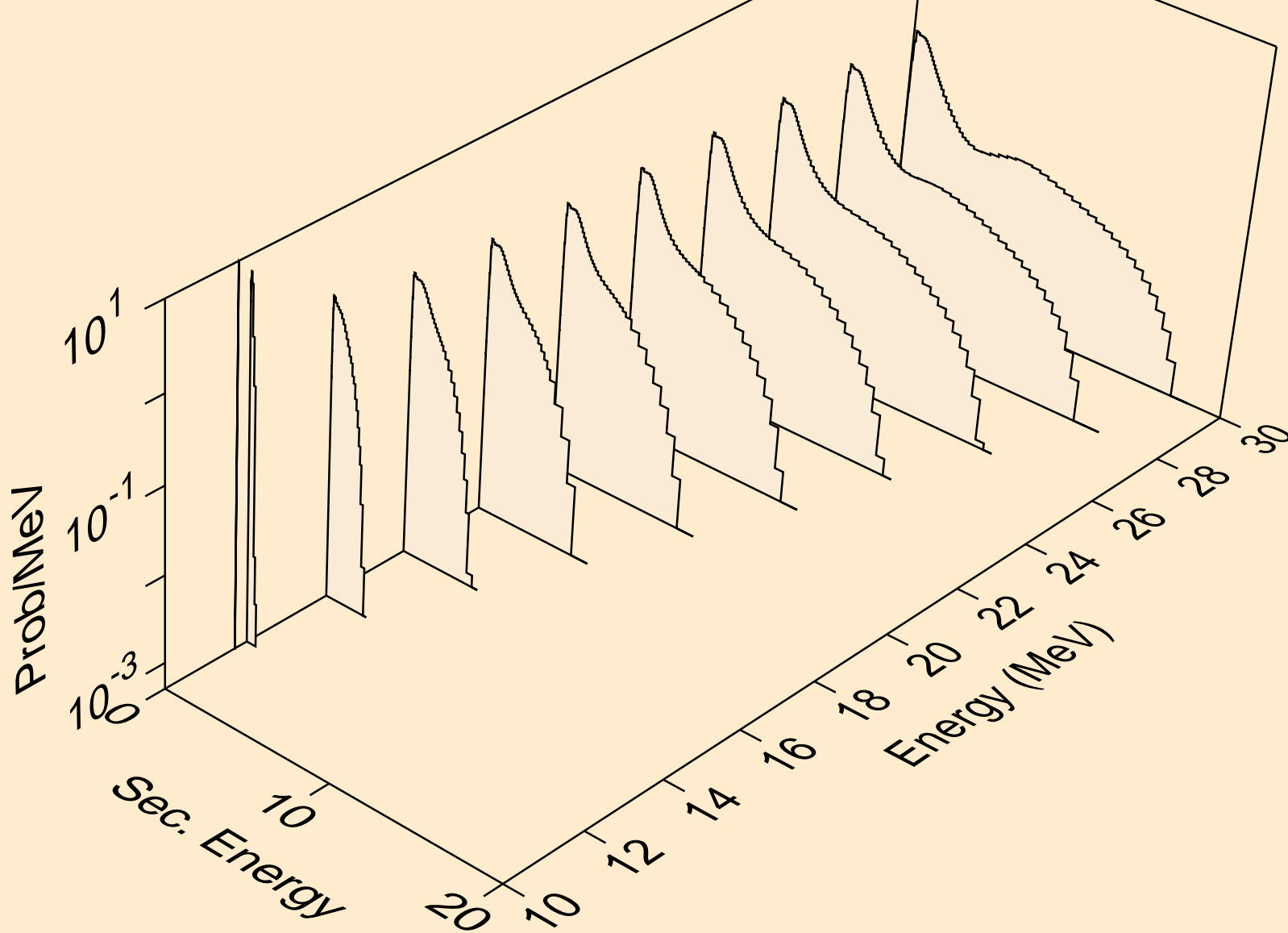
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neutrons from (s,2nd)



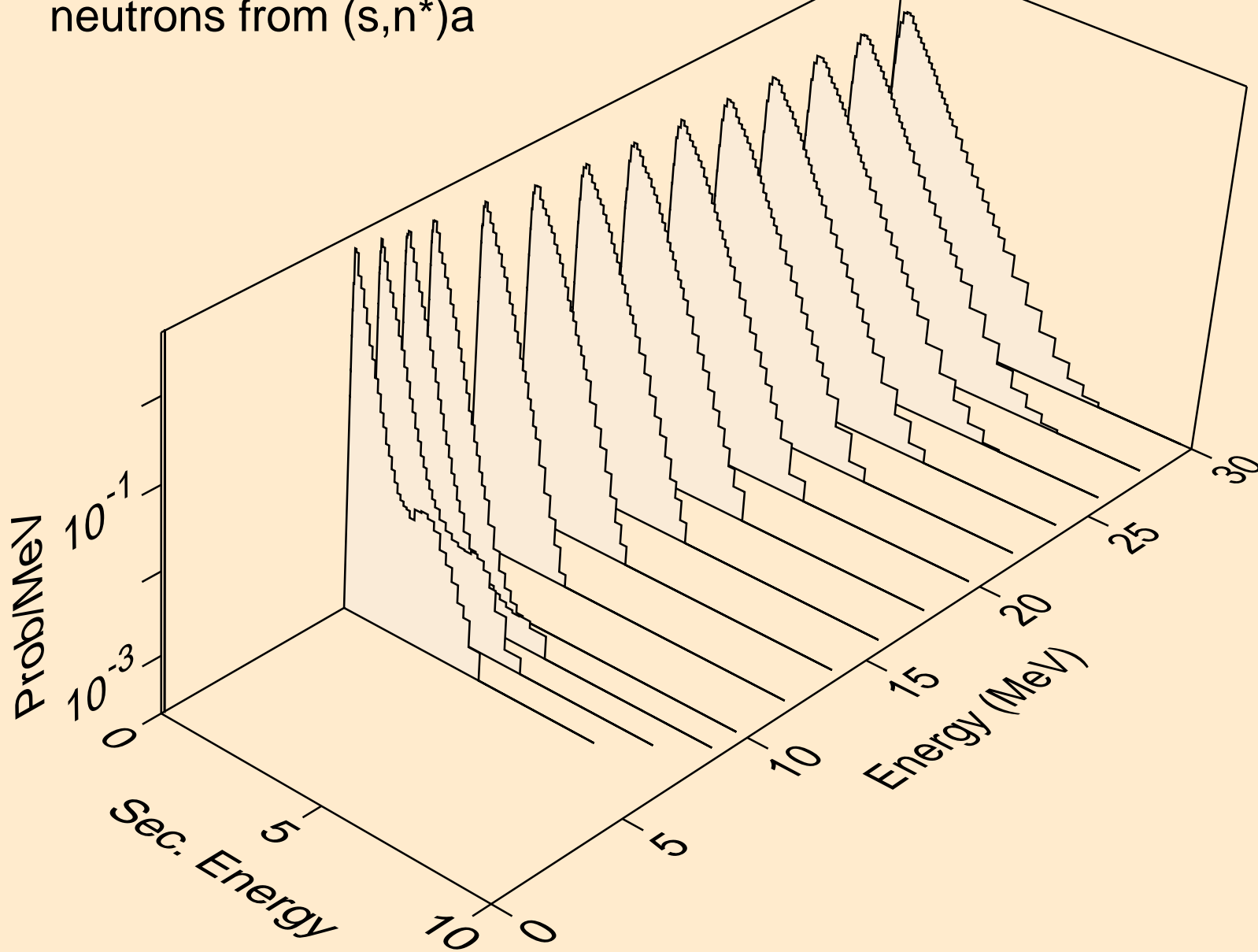
TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)



TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3n)

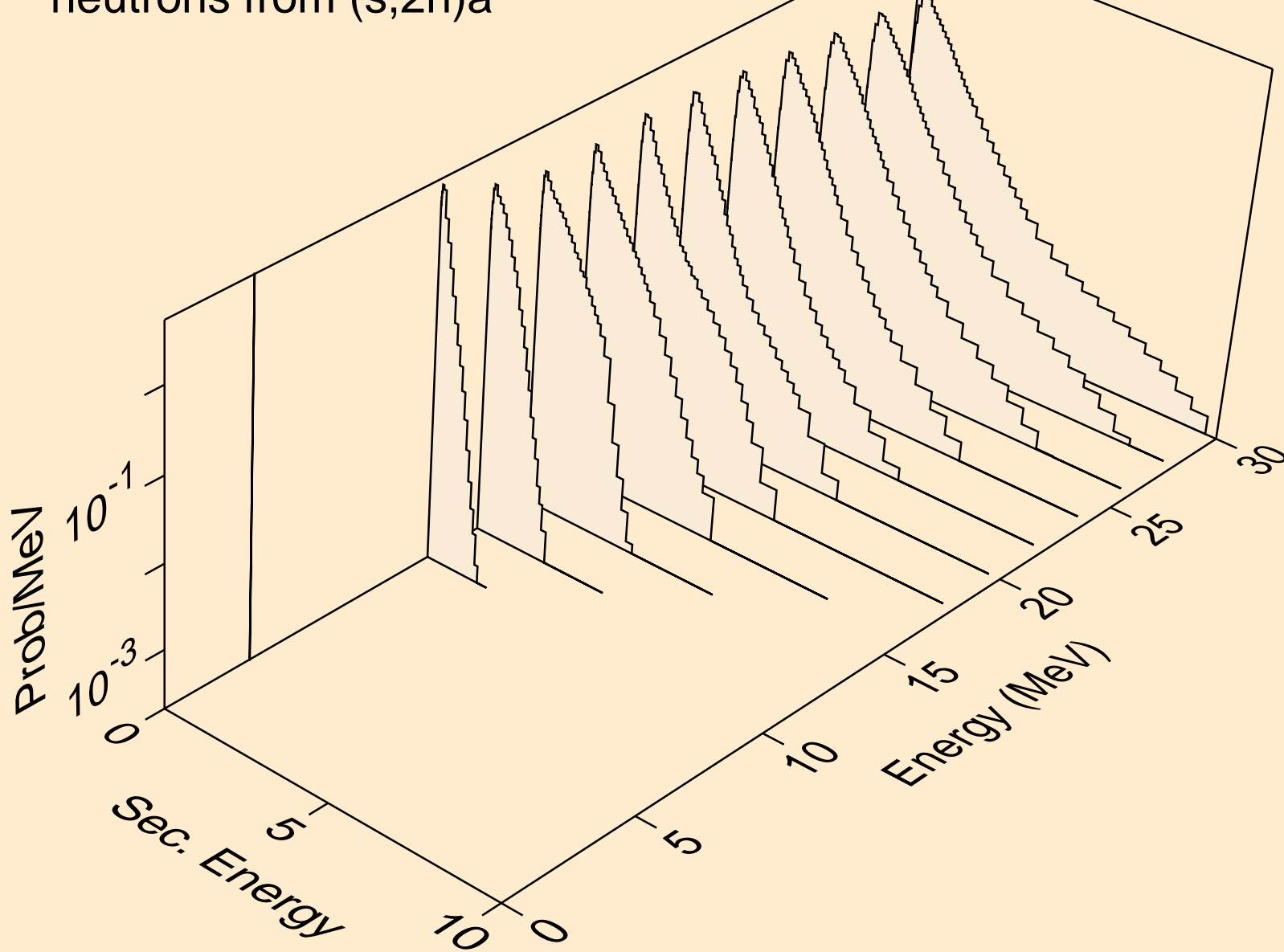


TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a

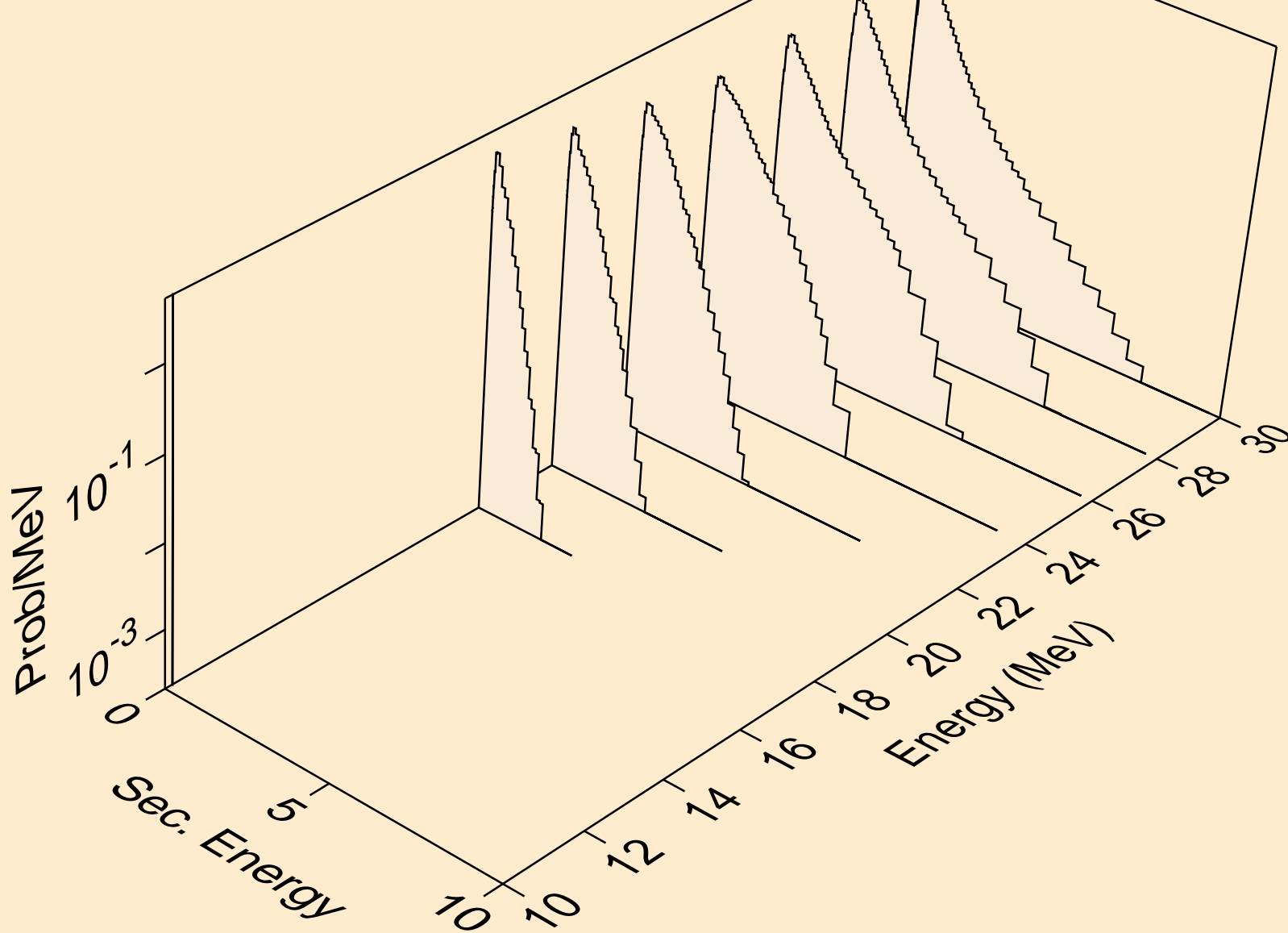




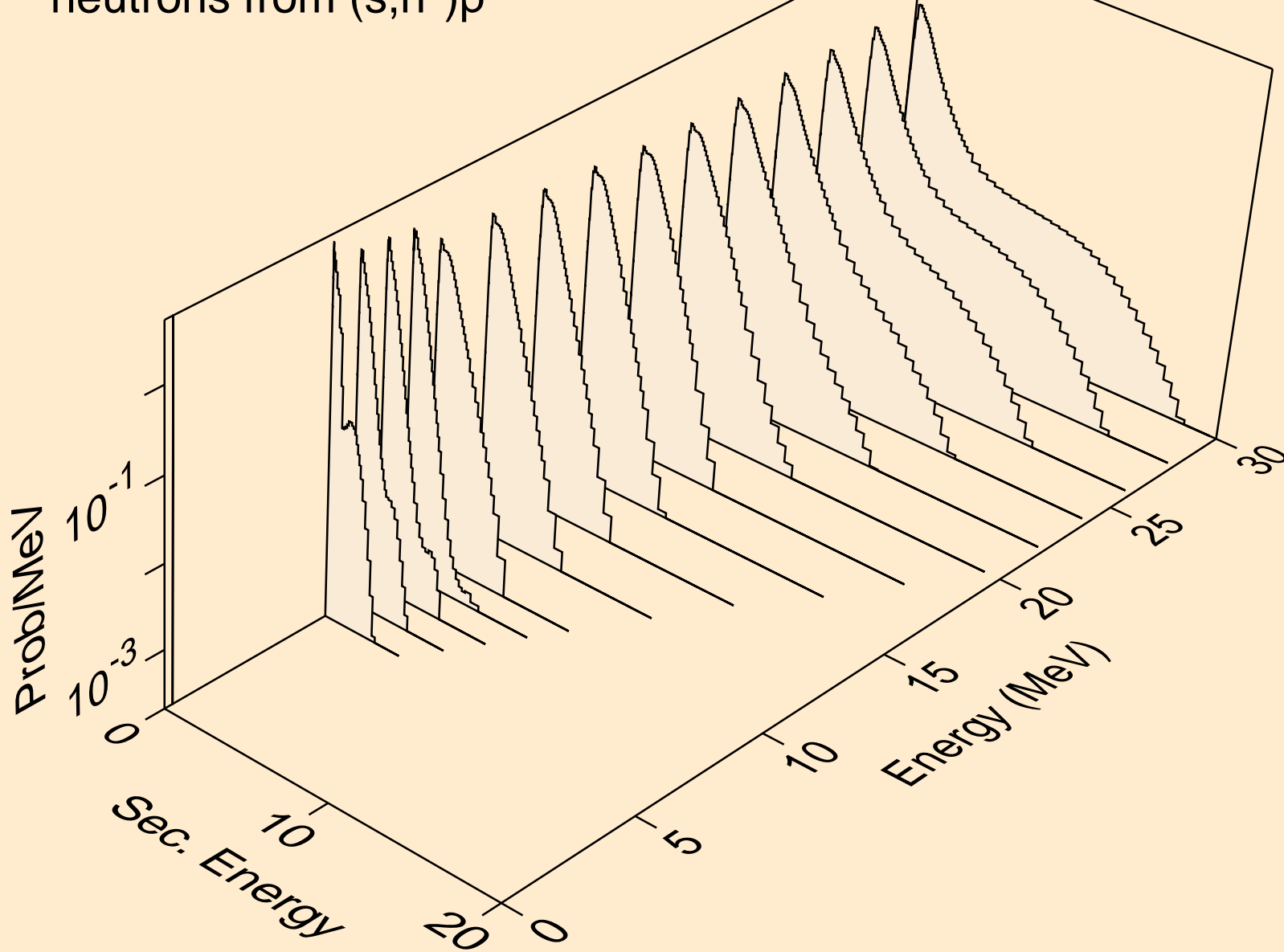
TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)a



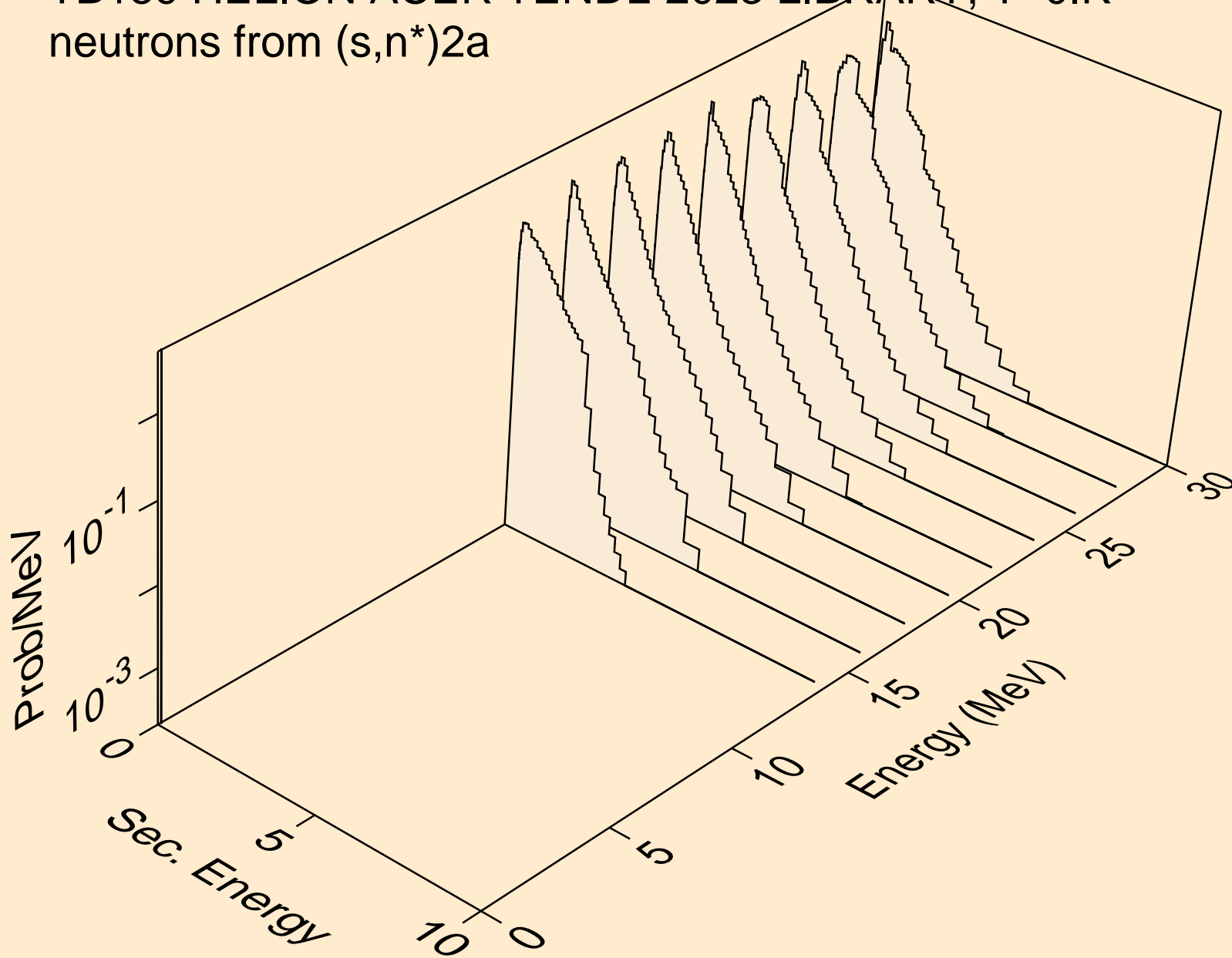
TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3n)a



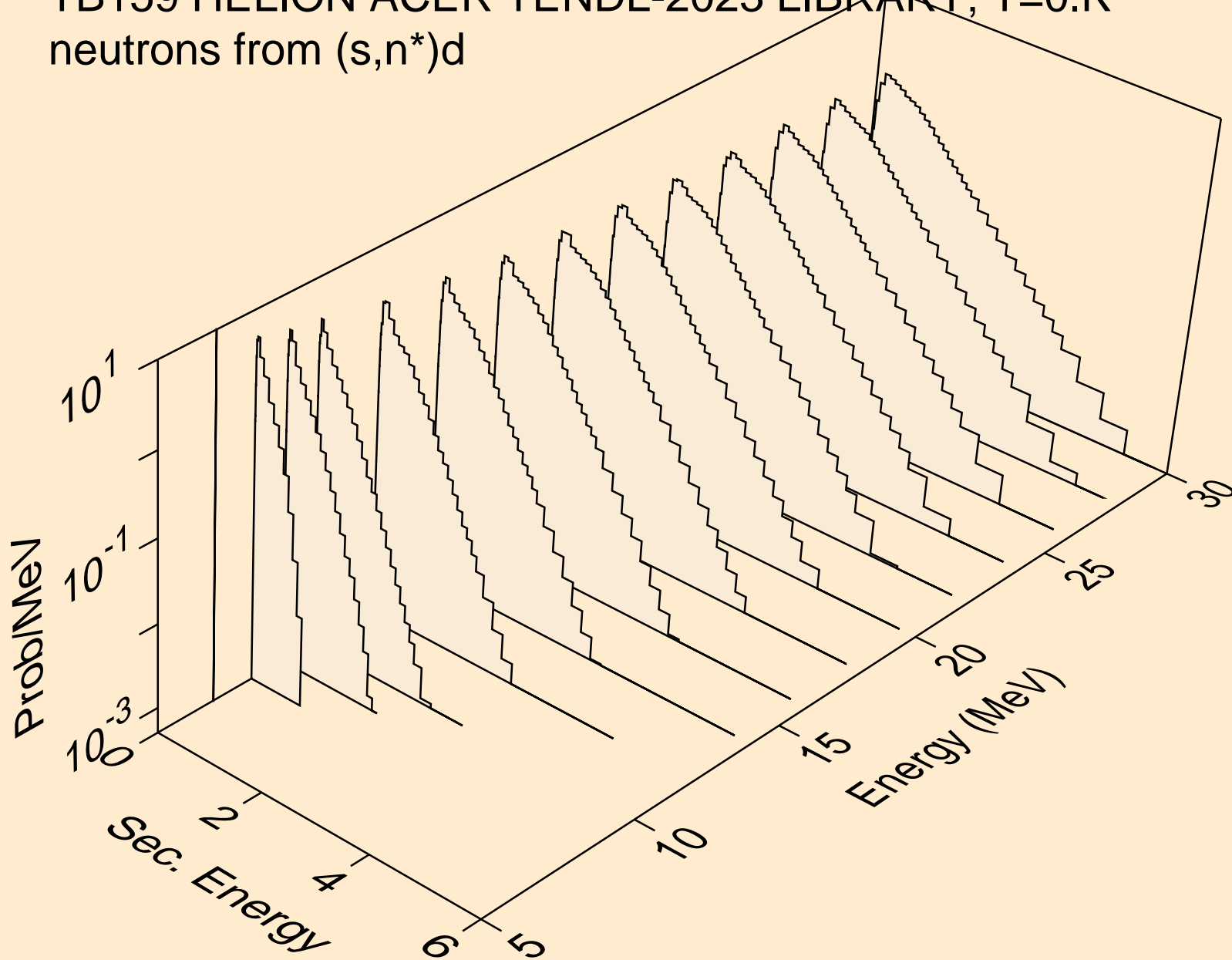
TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)p



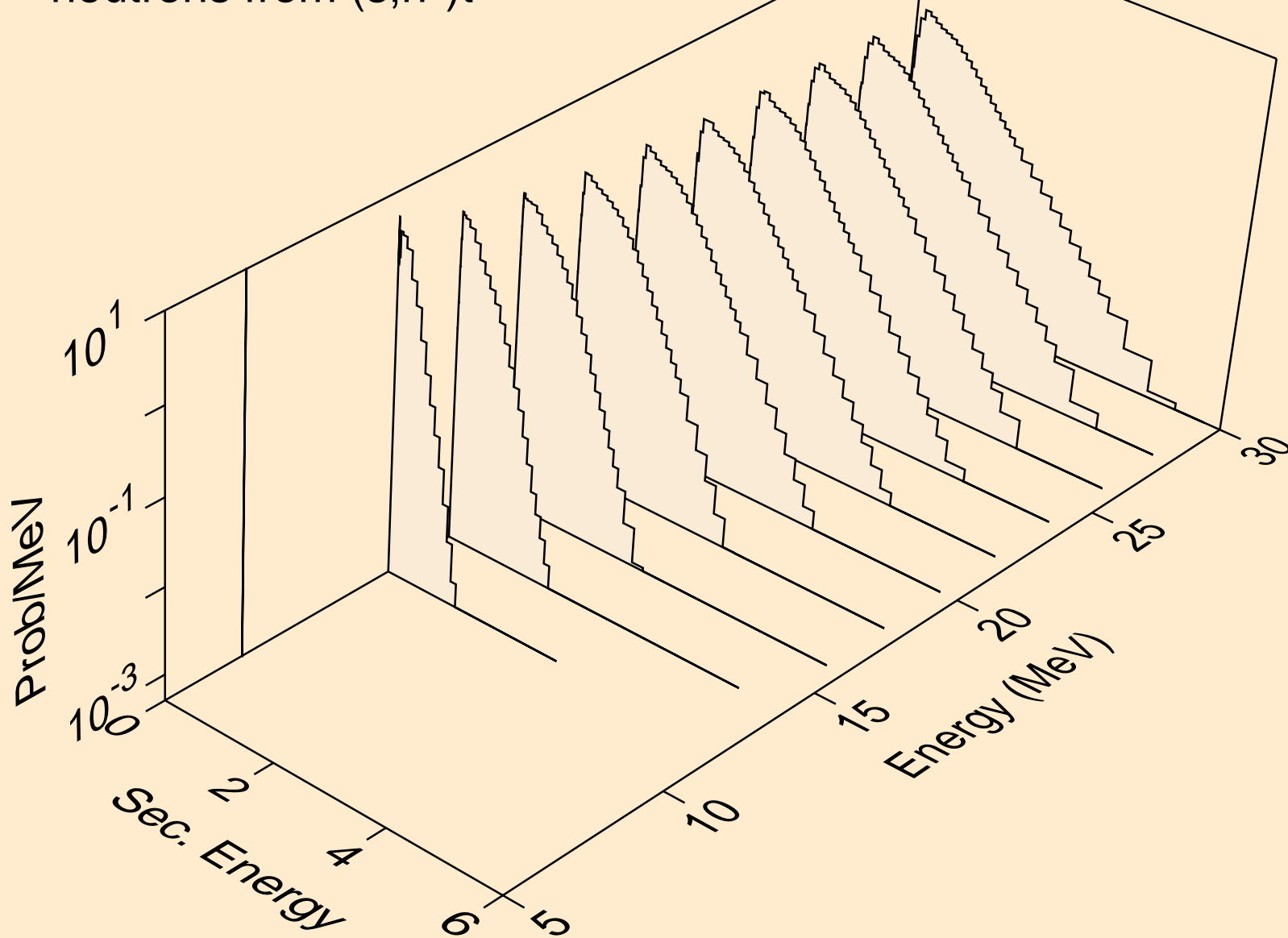
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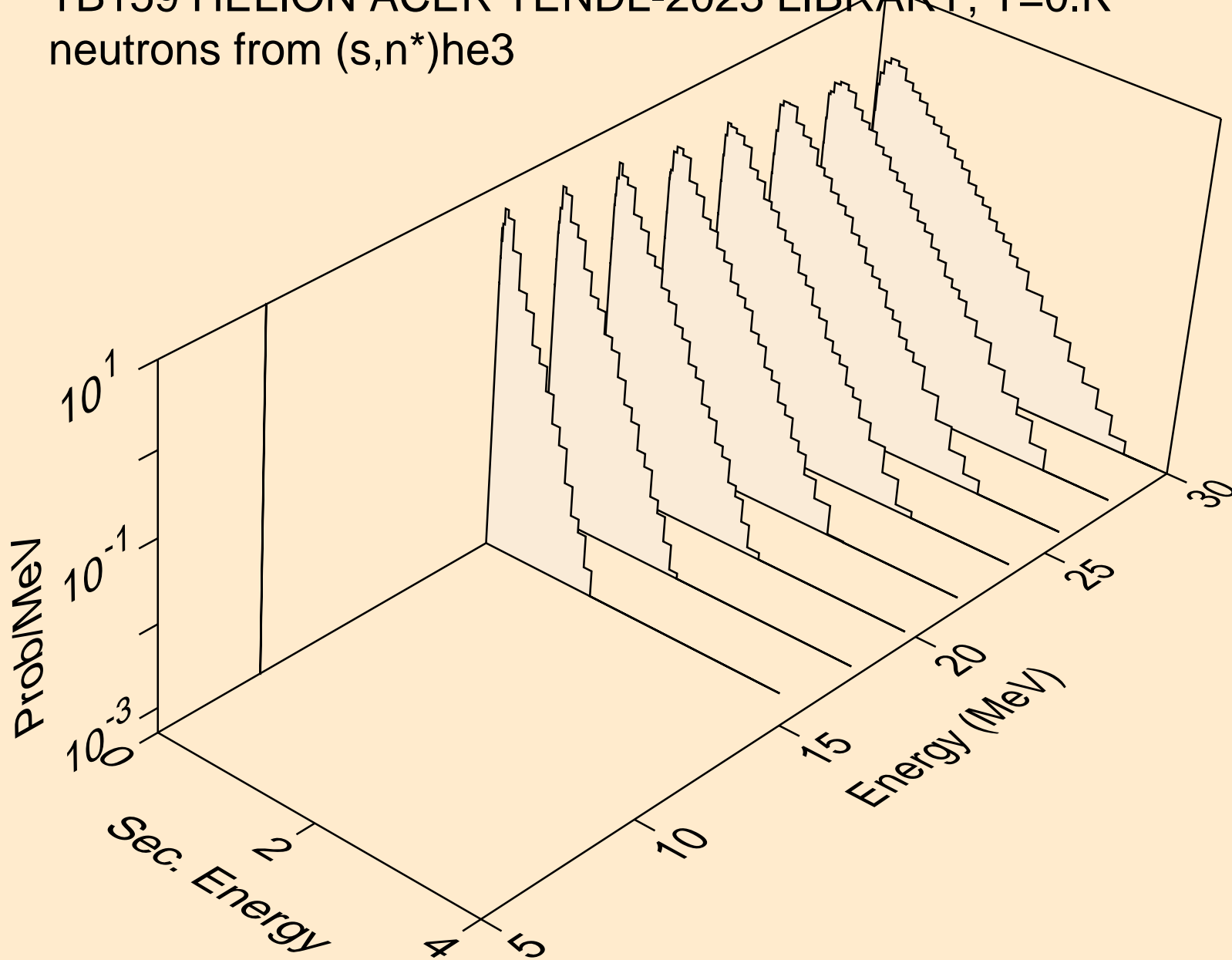
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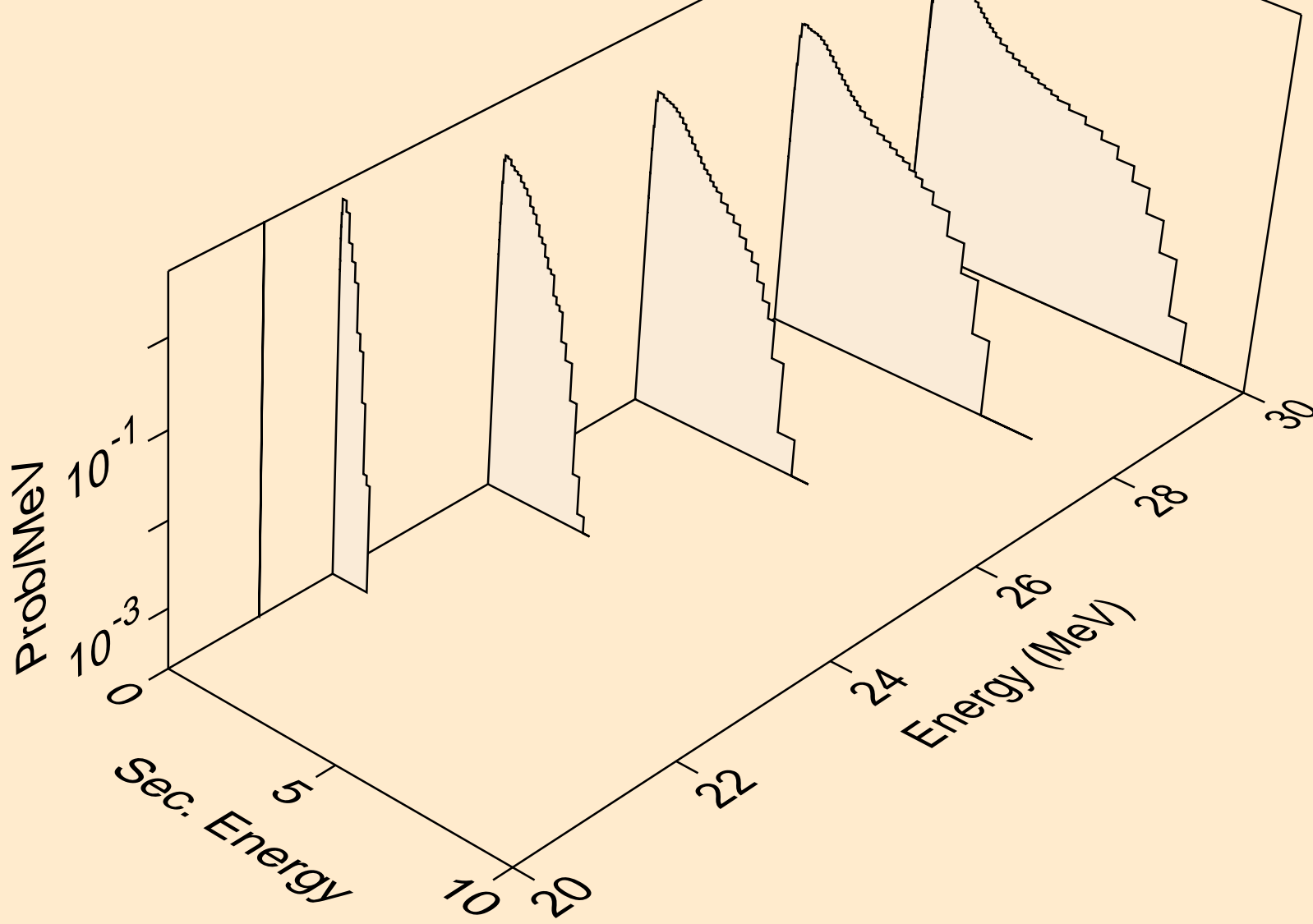
TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)t



TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

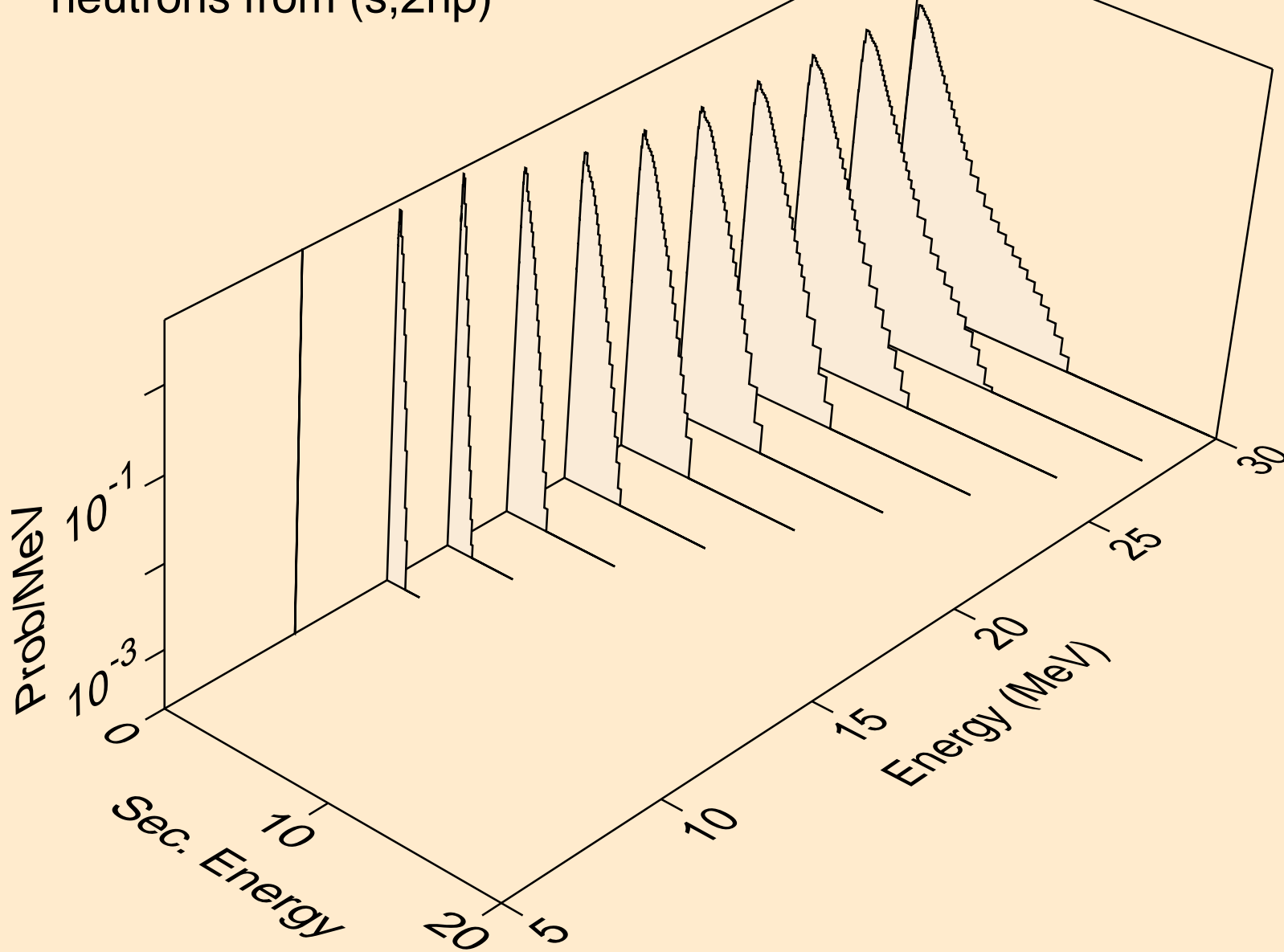


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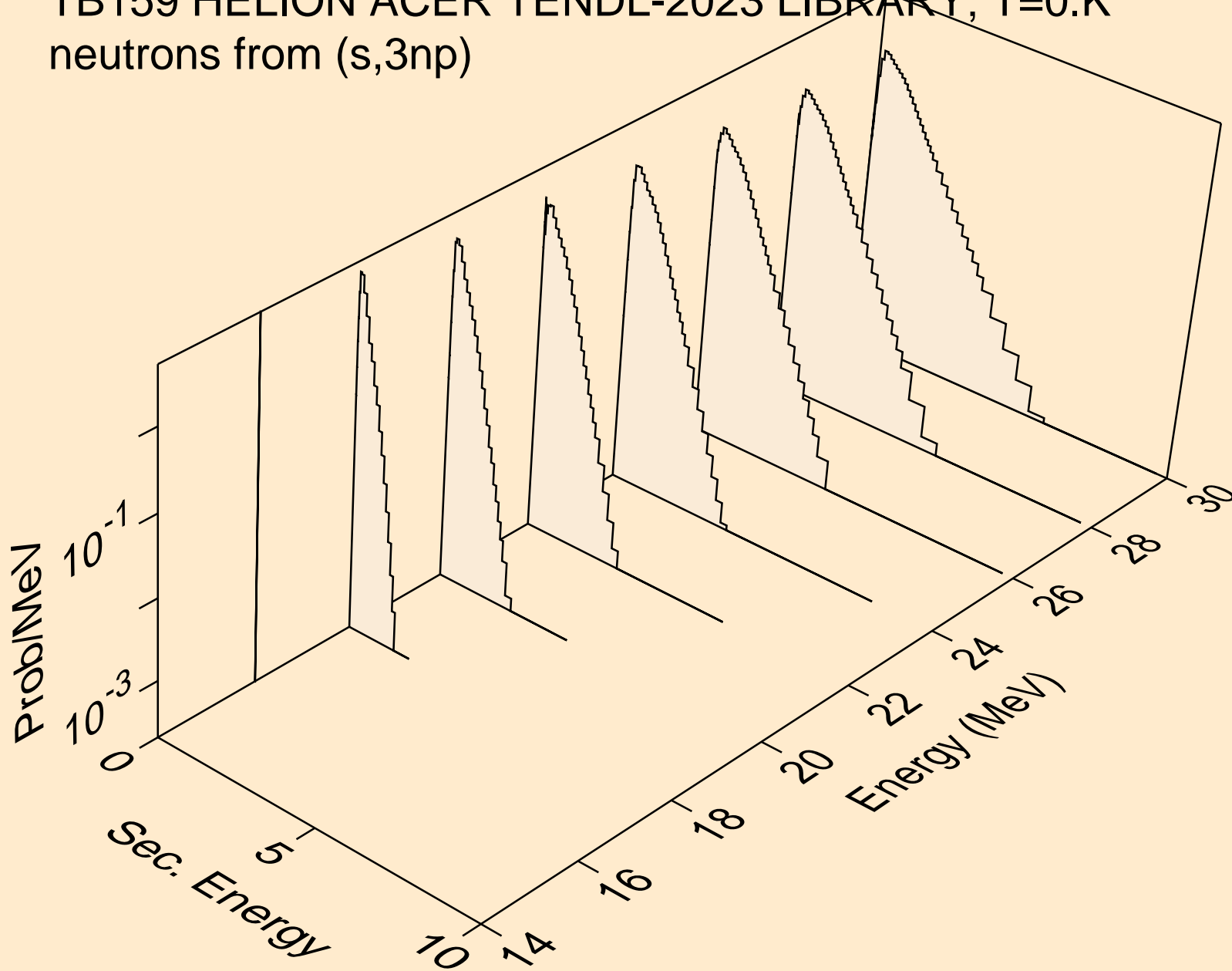




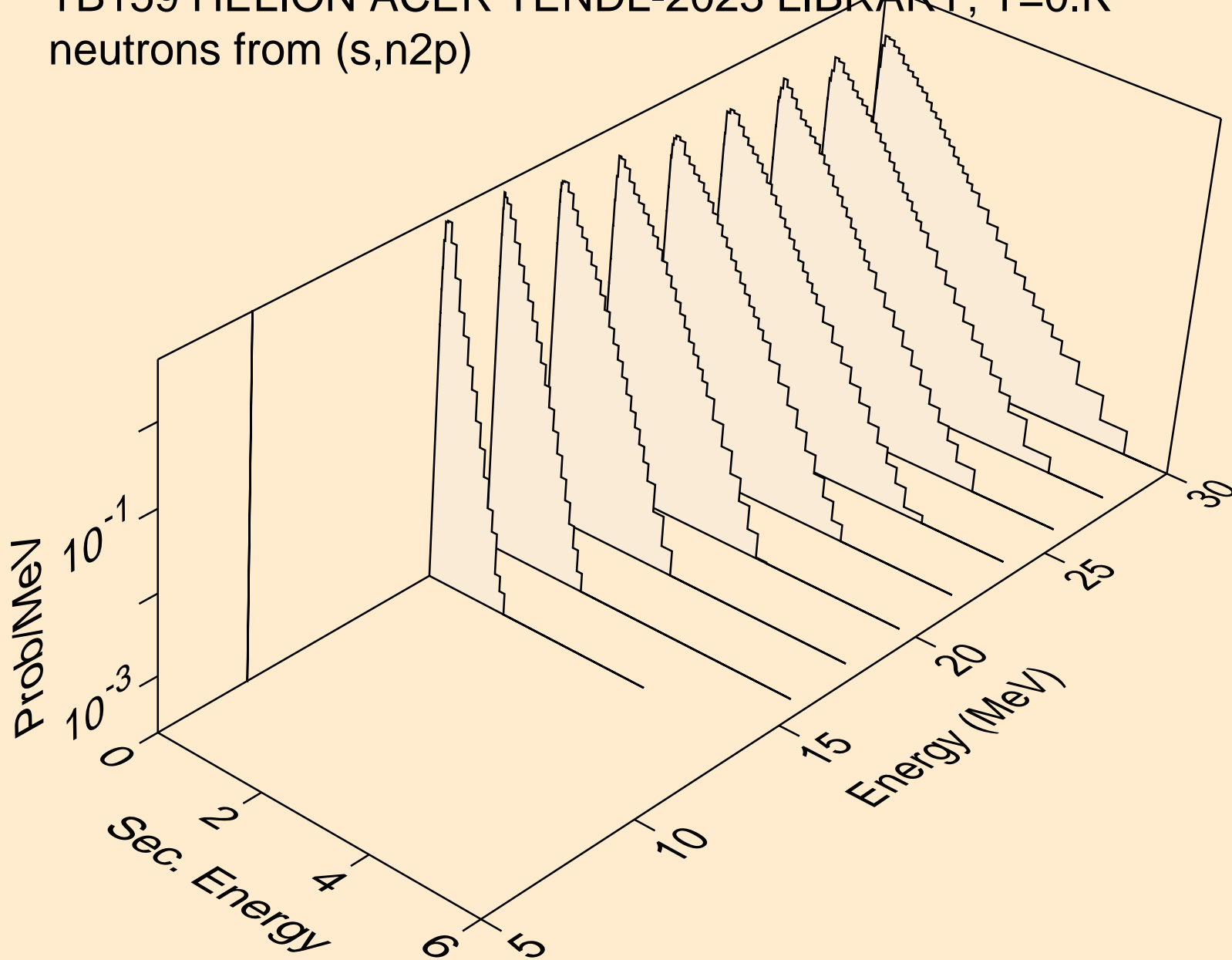
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neutrons from (s,2np)



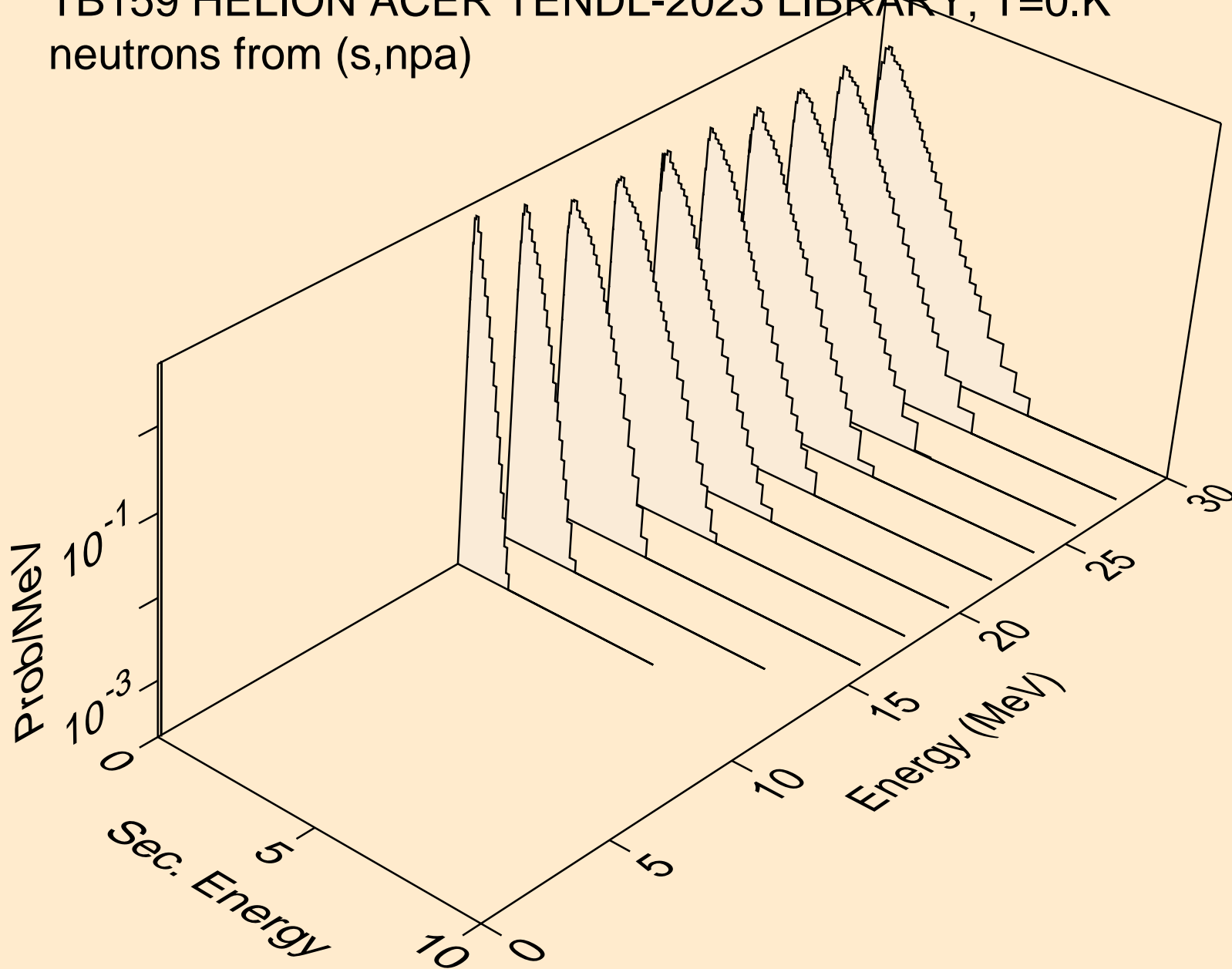
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neutrons from (s,3np)



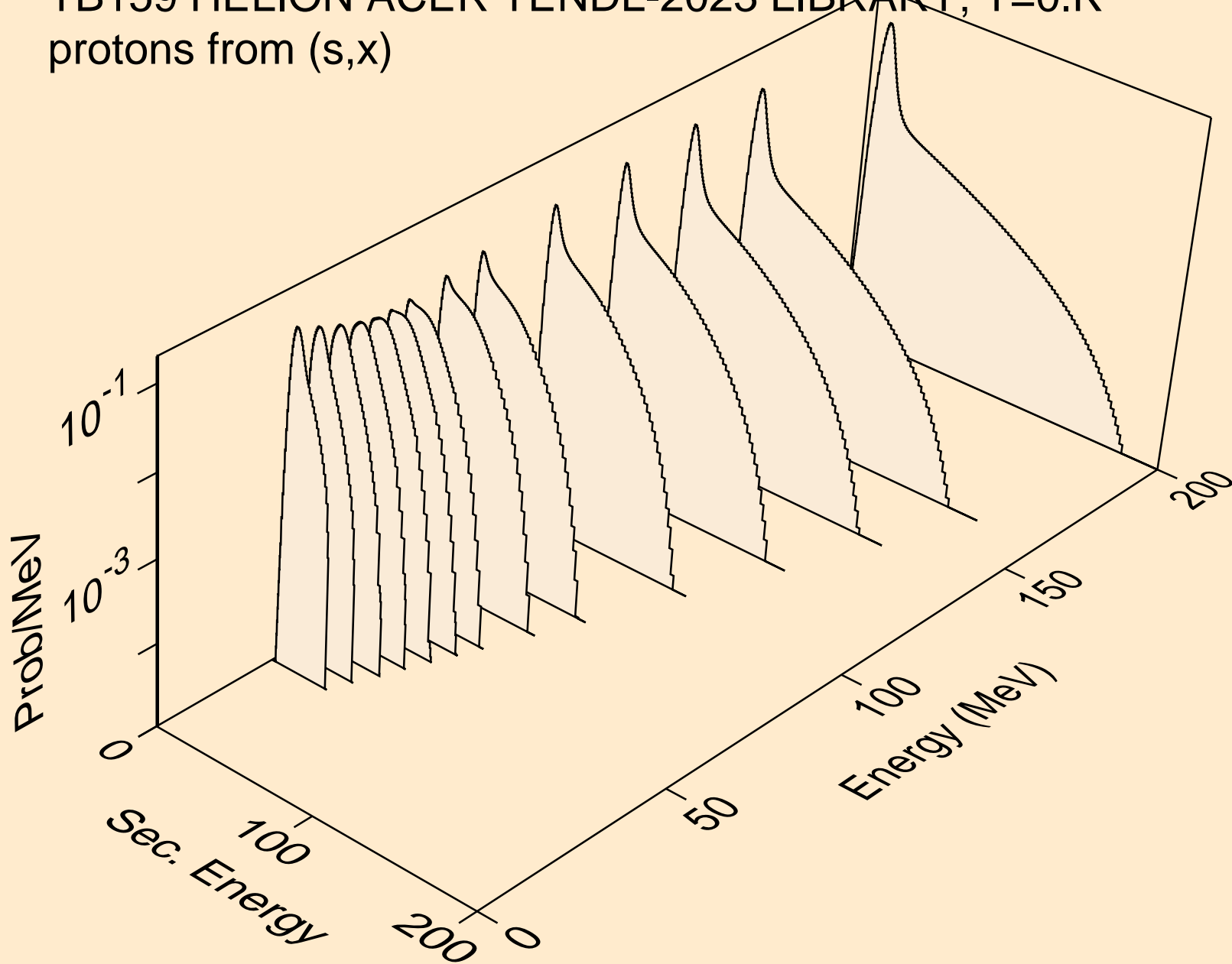
TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n2p)



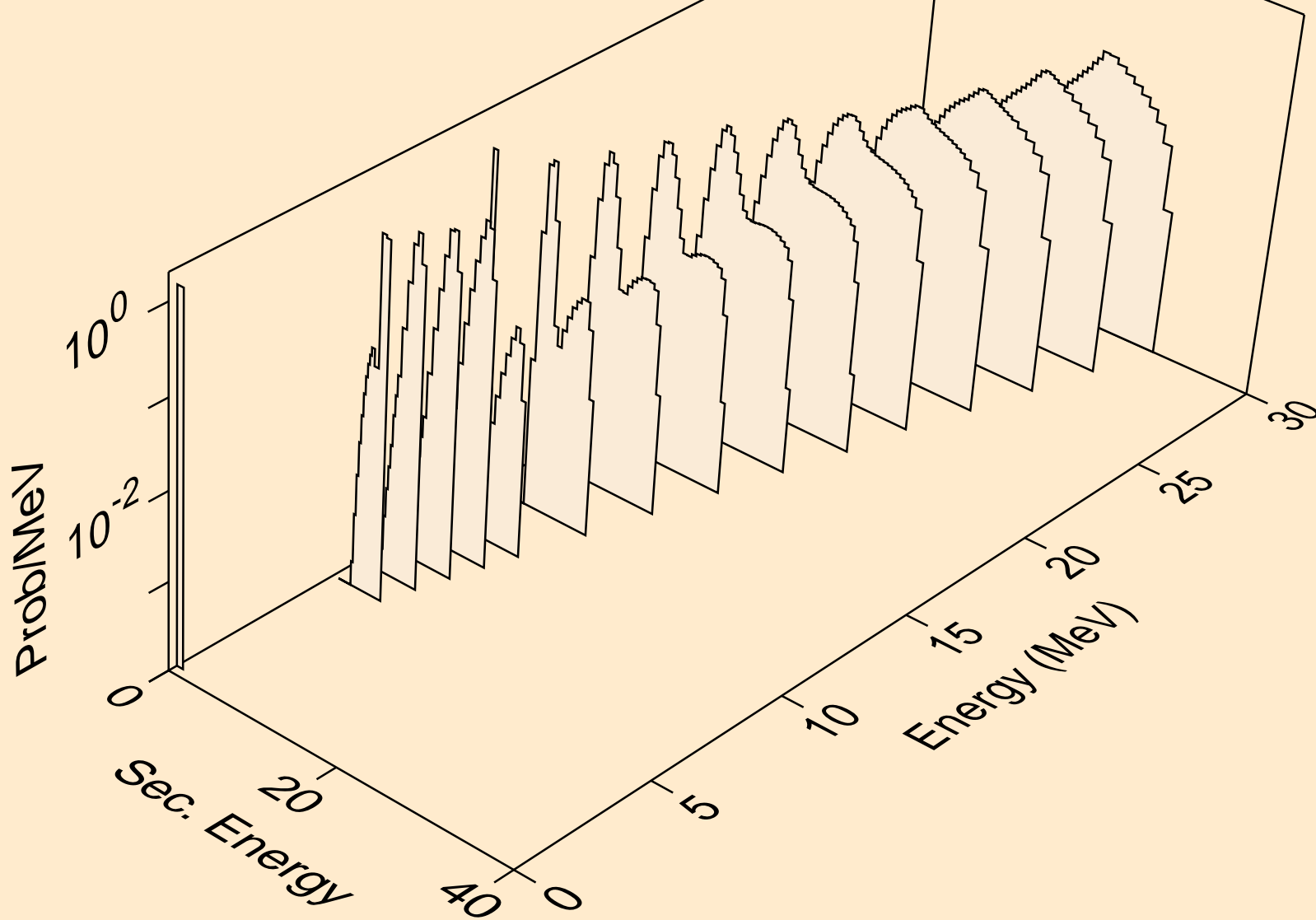
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neutrons from (s,npa)



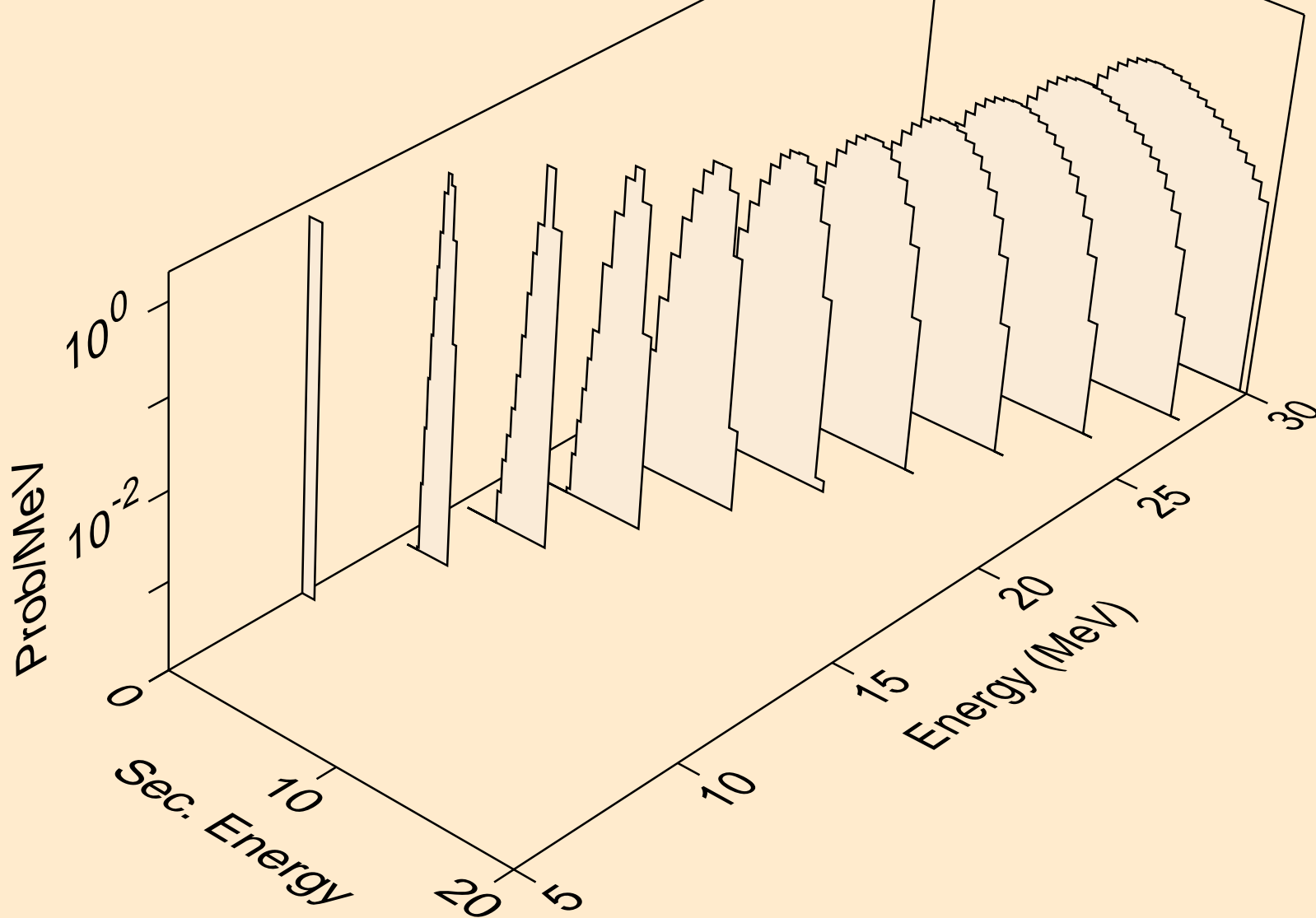
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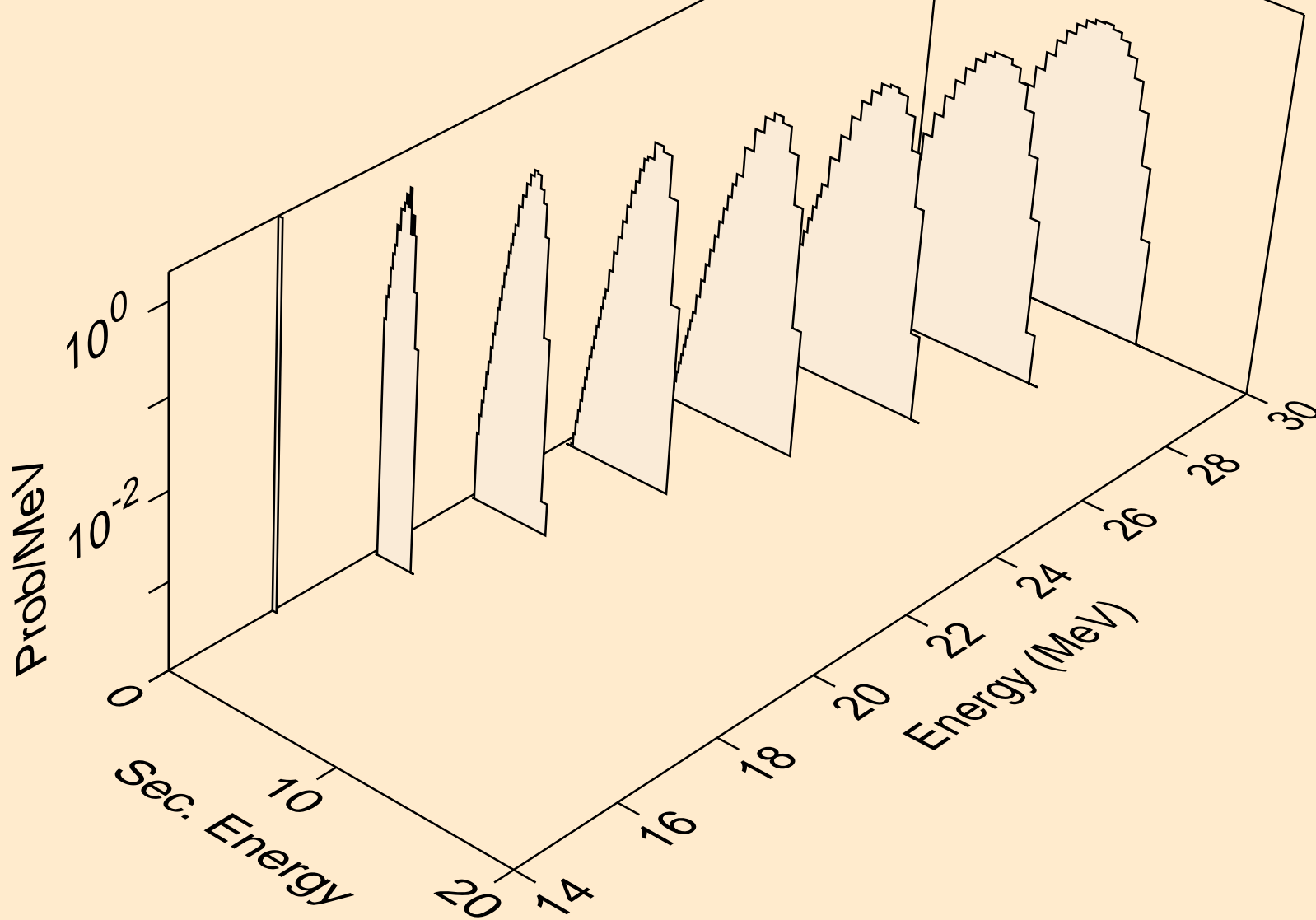
TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n\*)p



TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,2np)

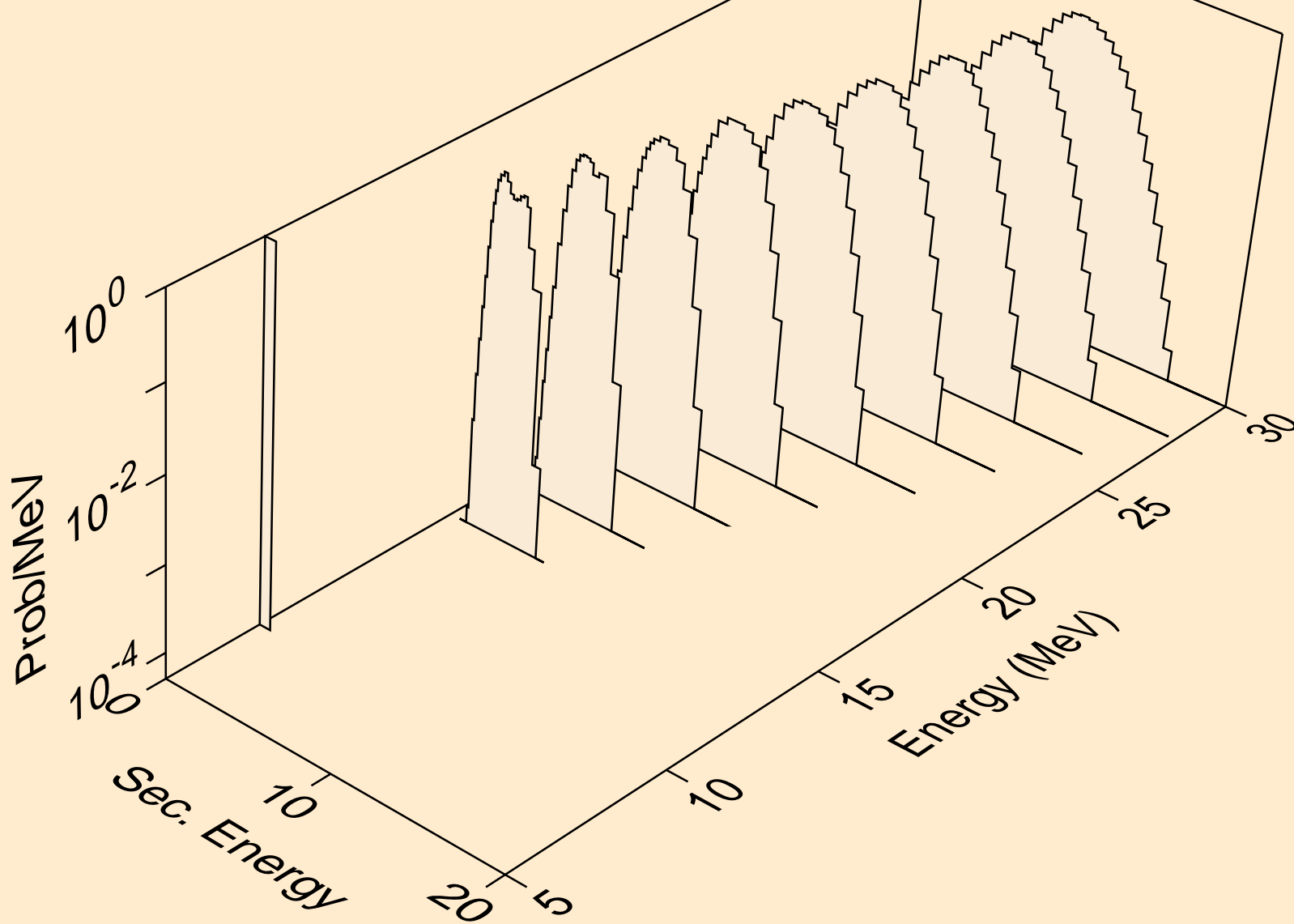


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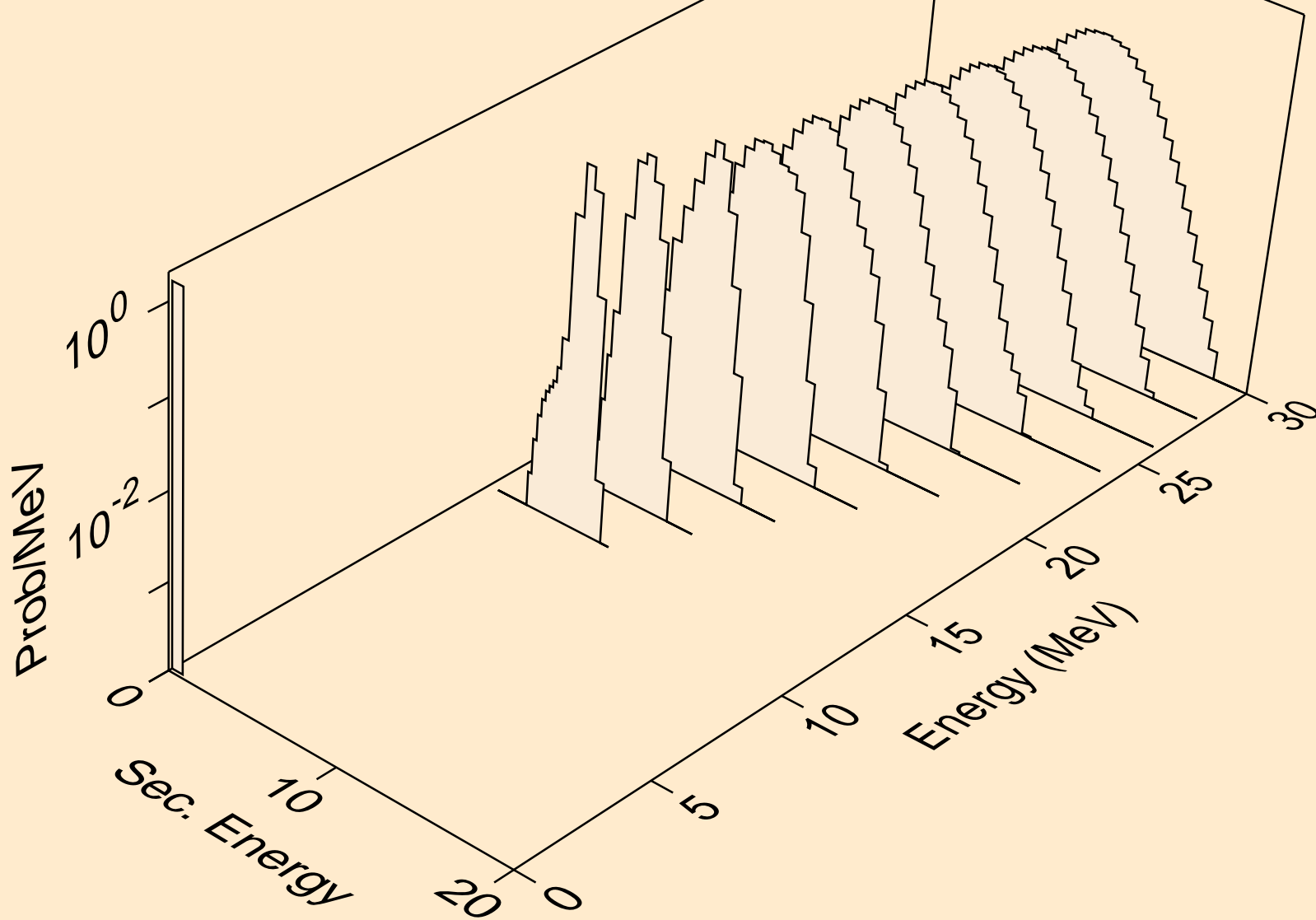




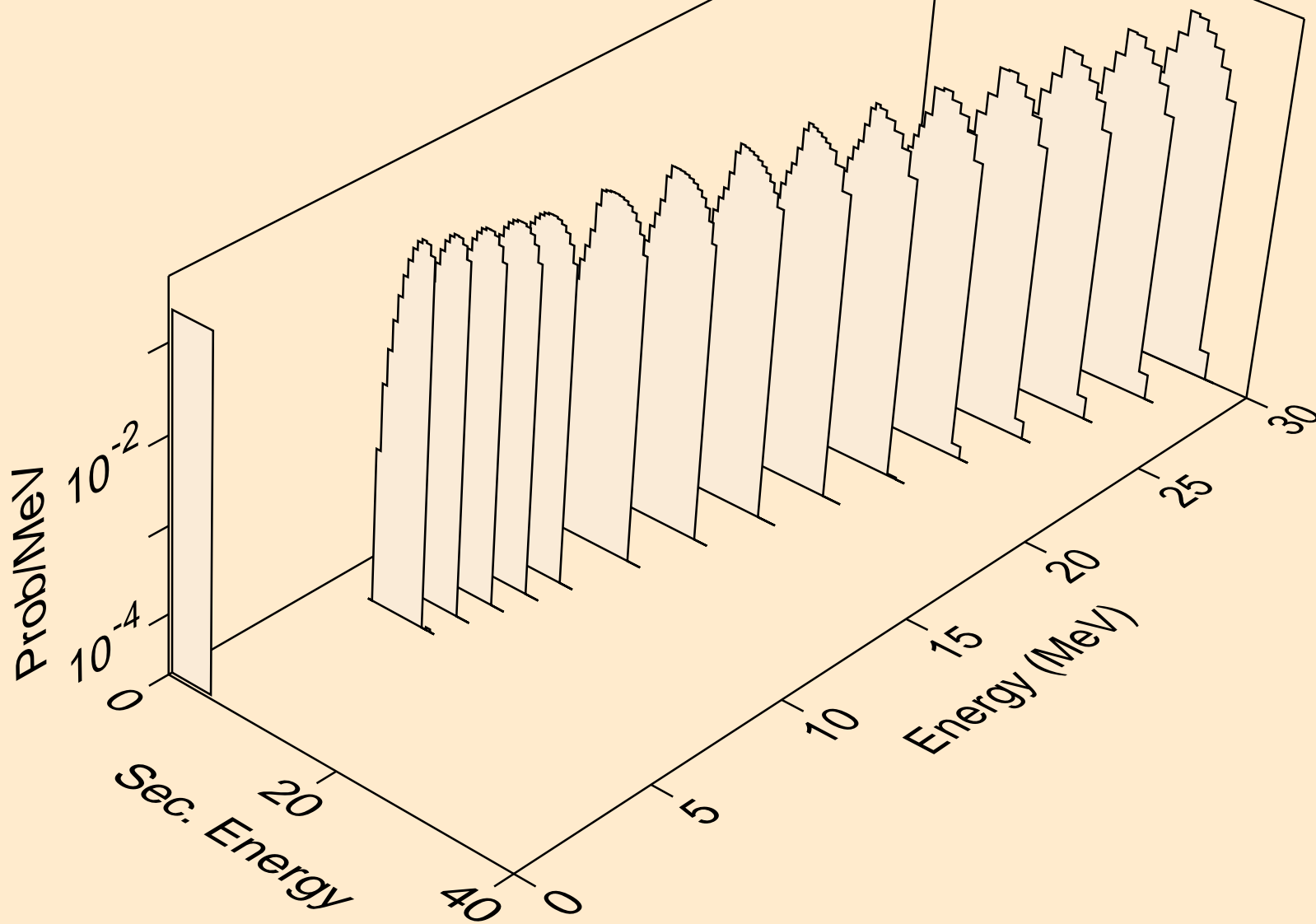
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protons from (s,n2p)



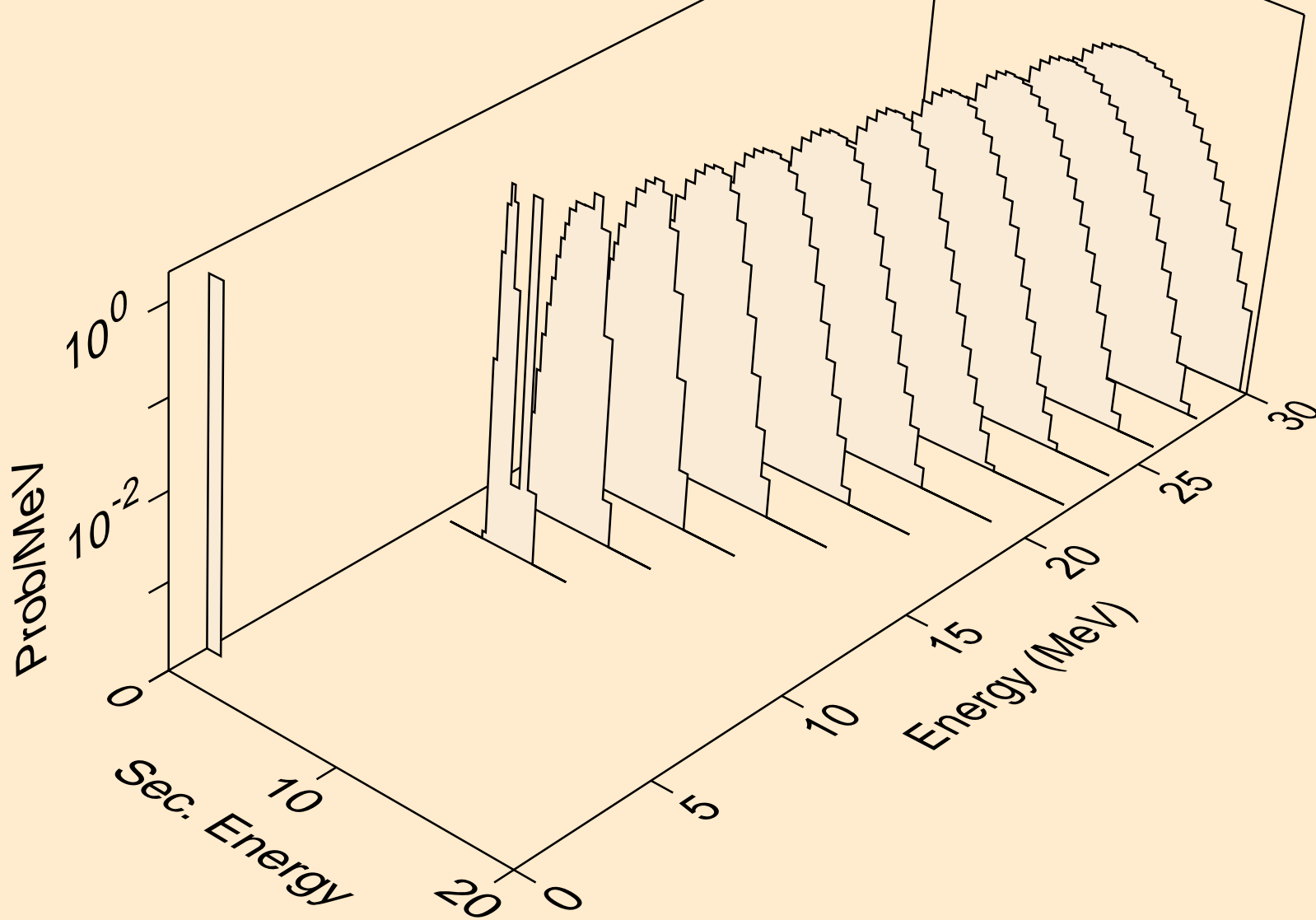
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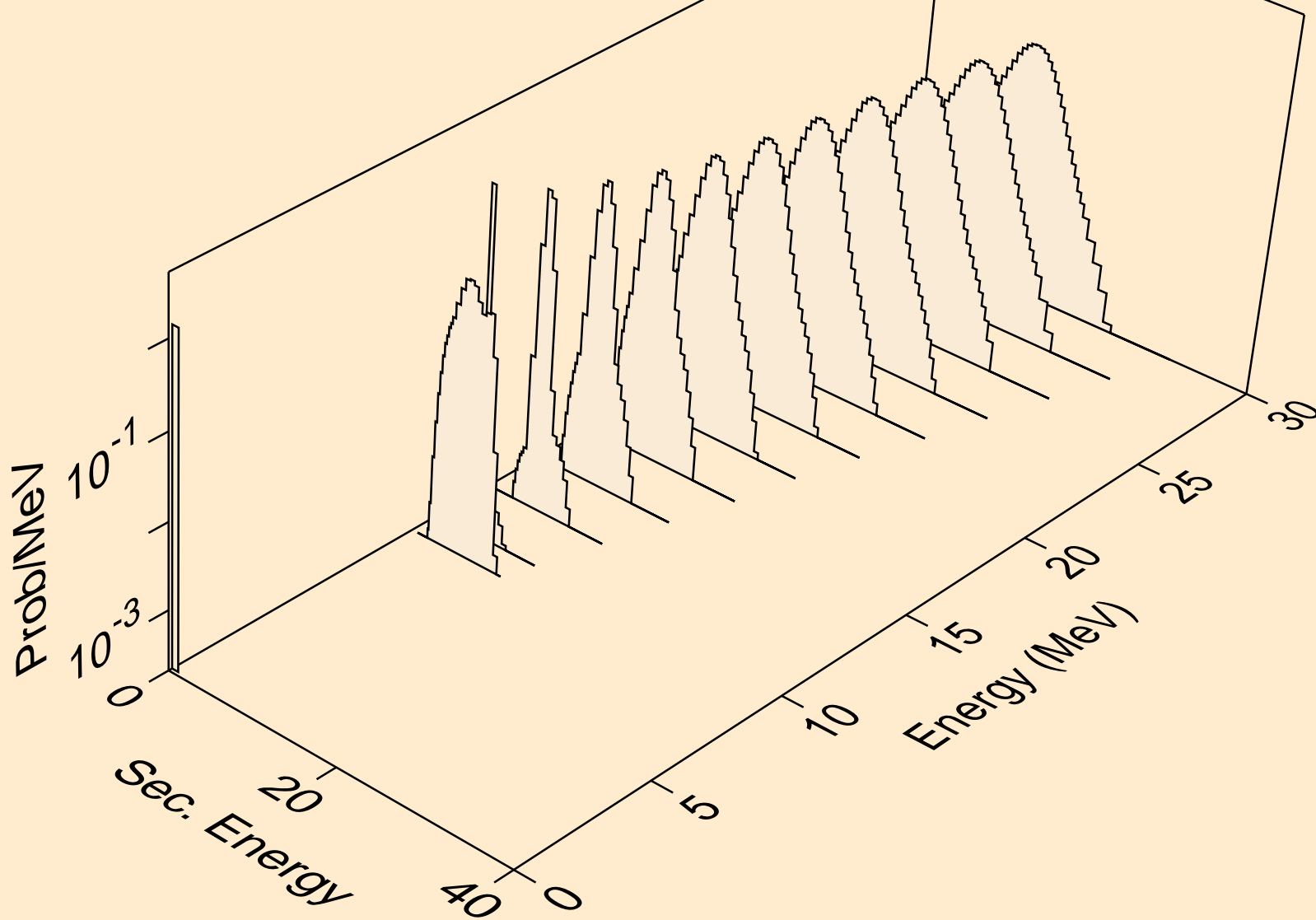
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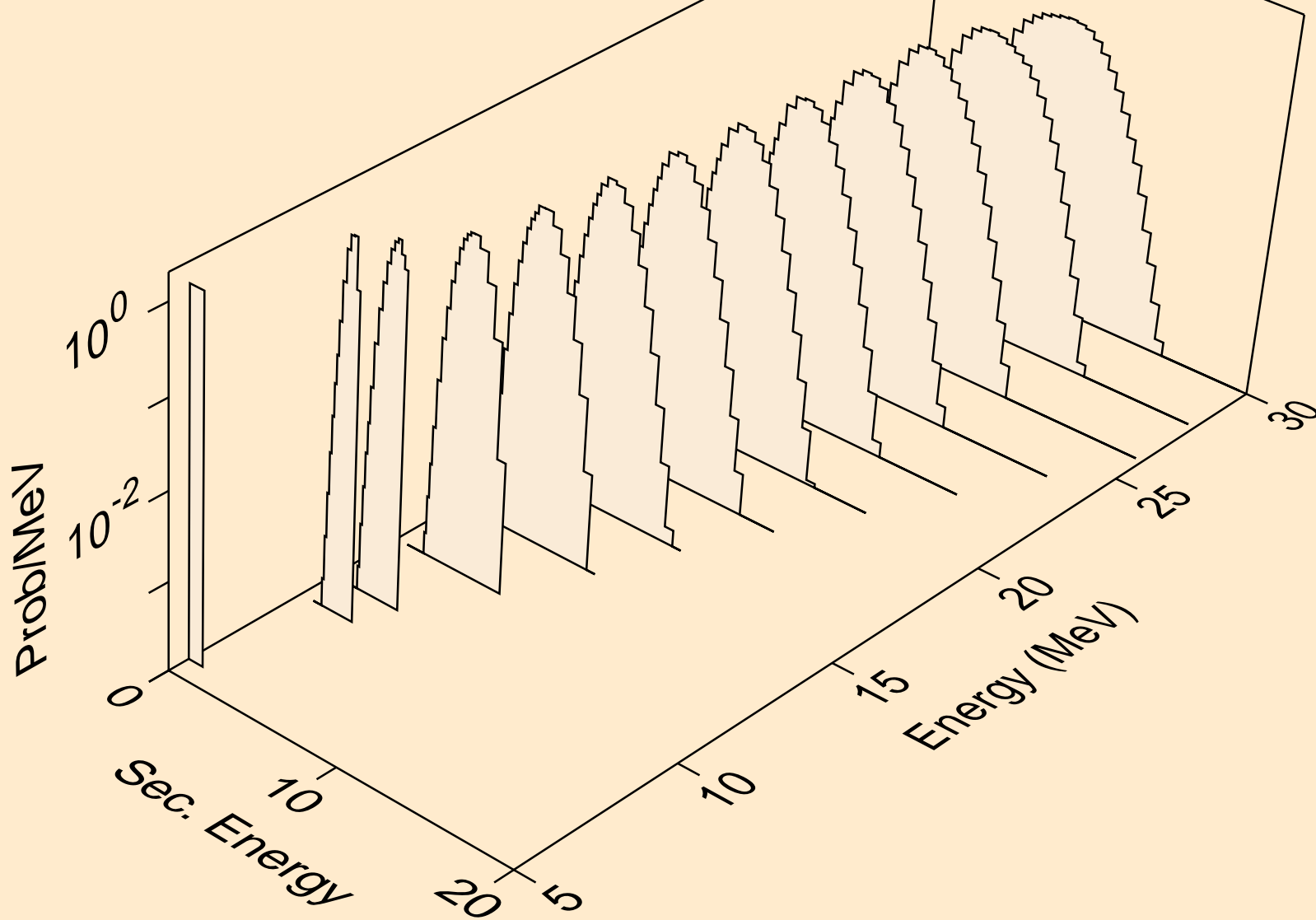
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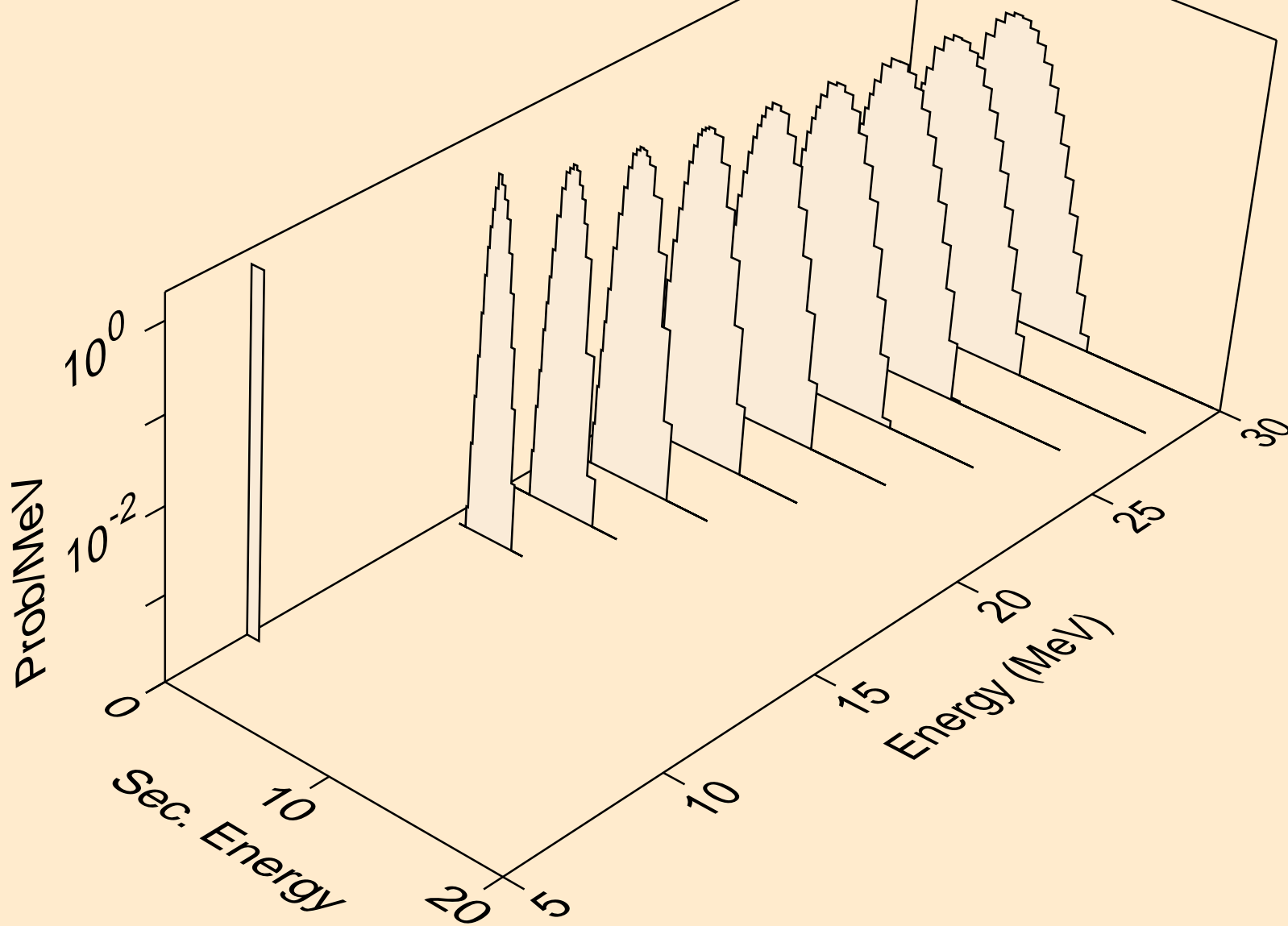
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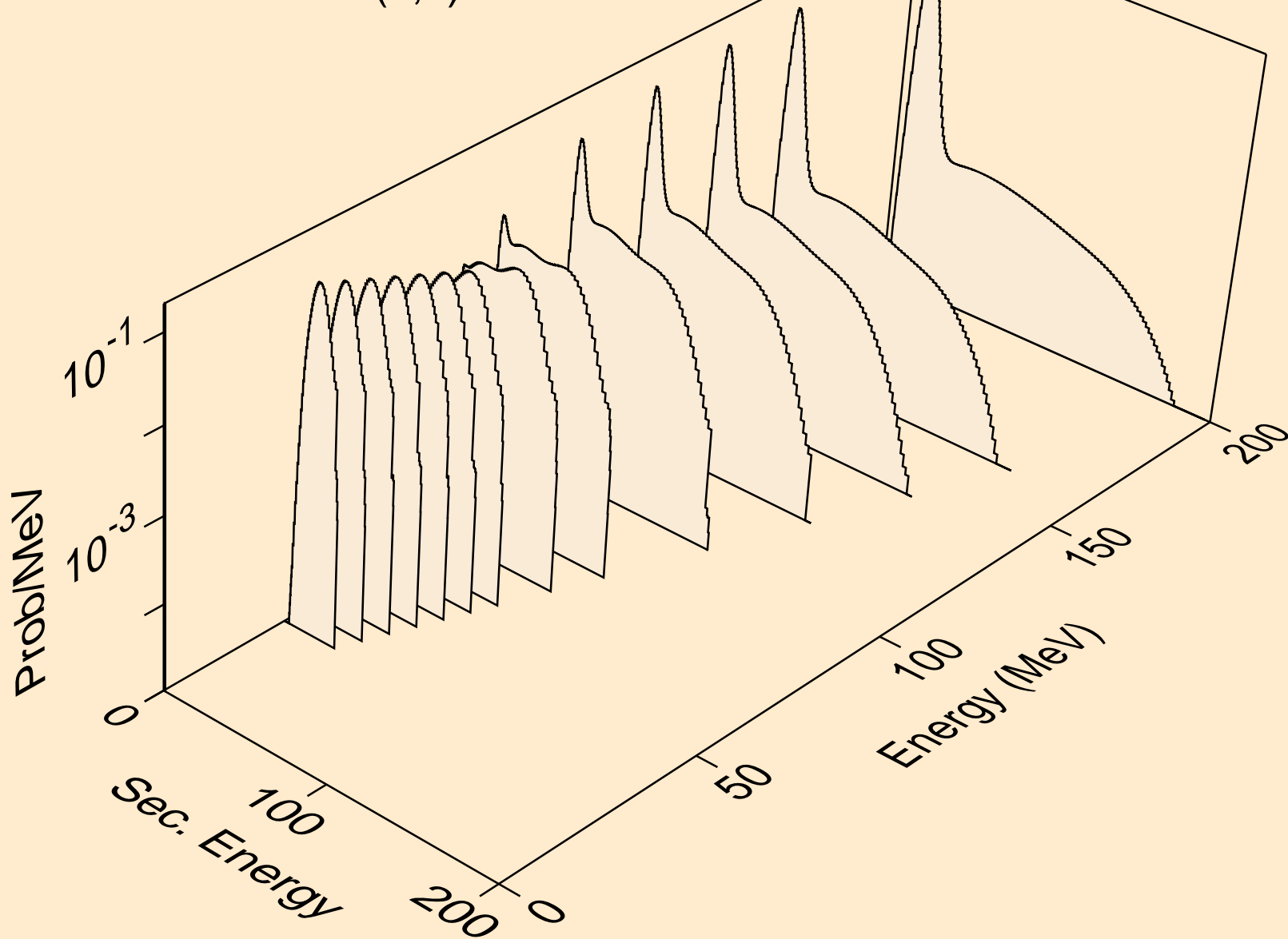
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protons from (s,pd)



TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pt)

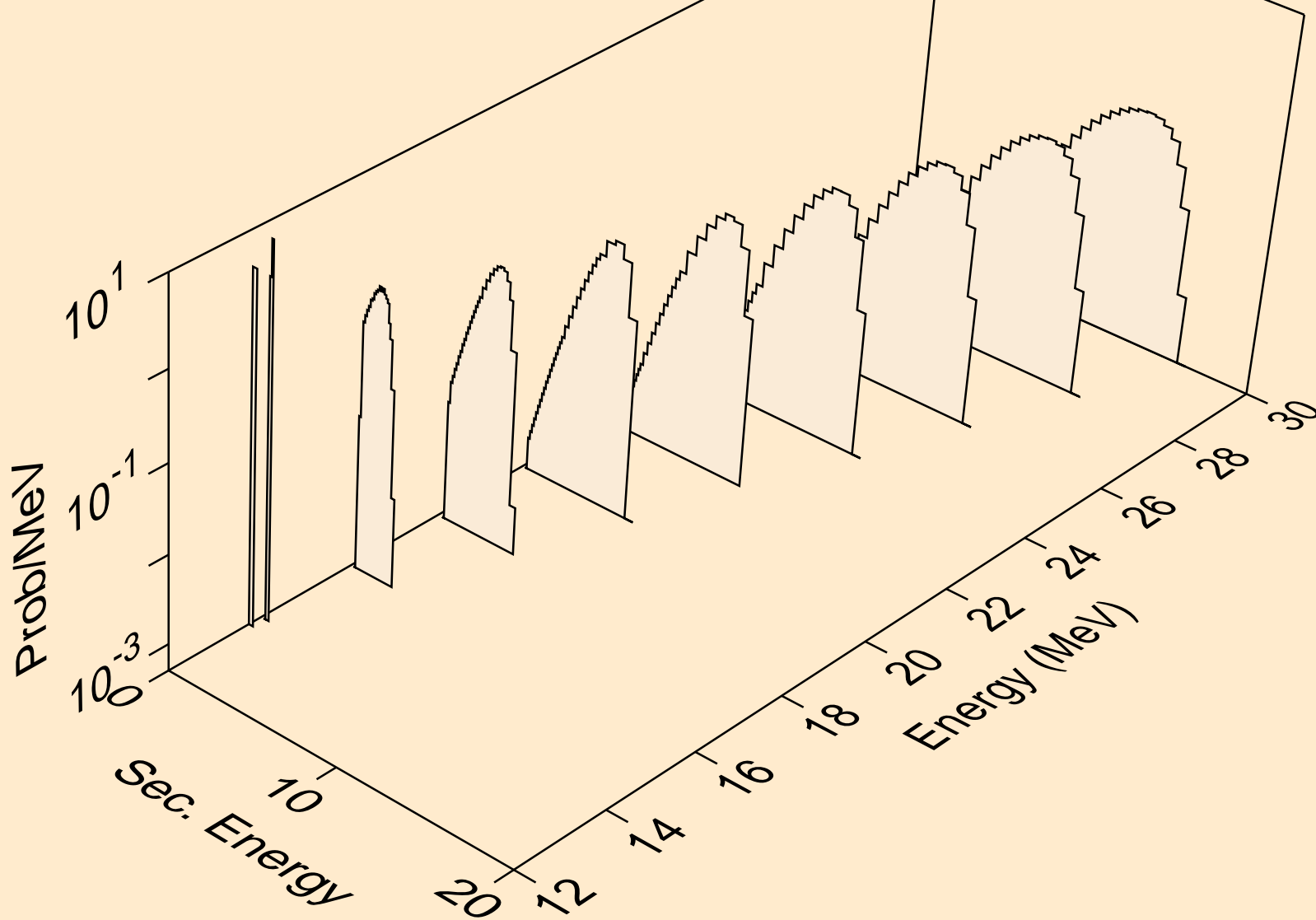


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deuterons from (s,x)

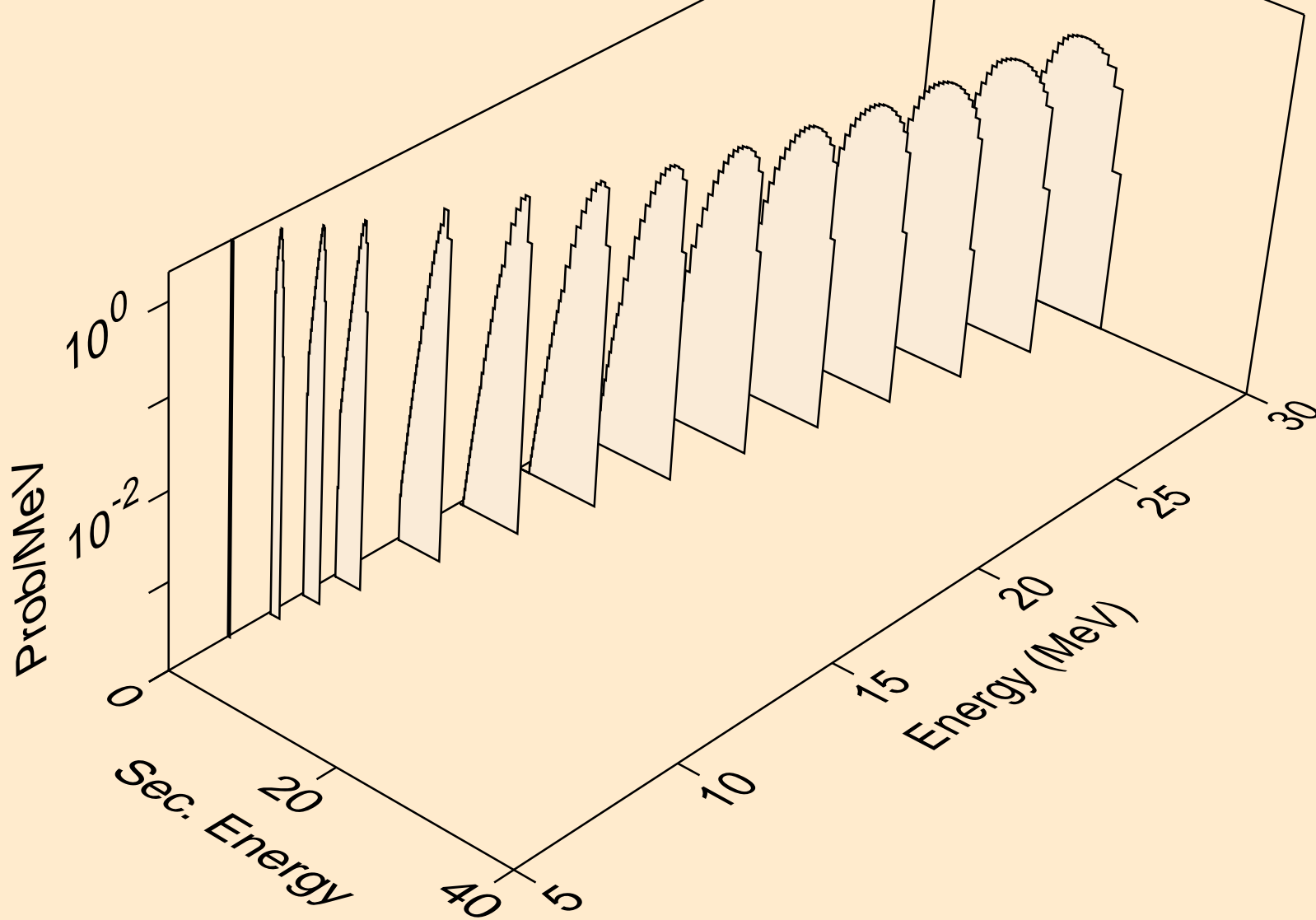




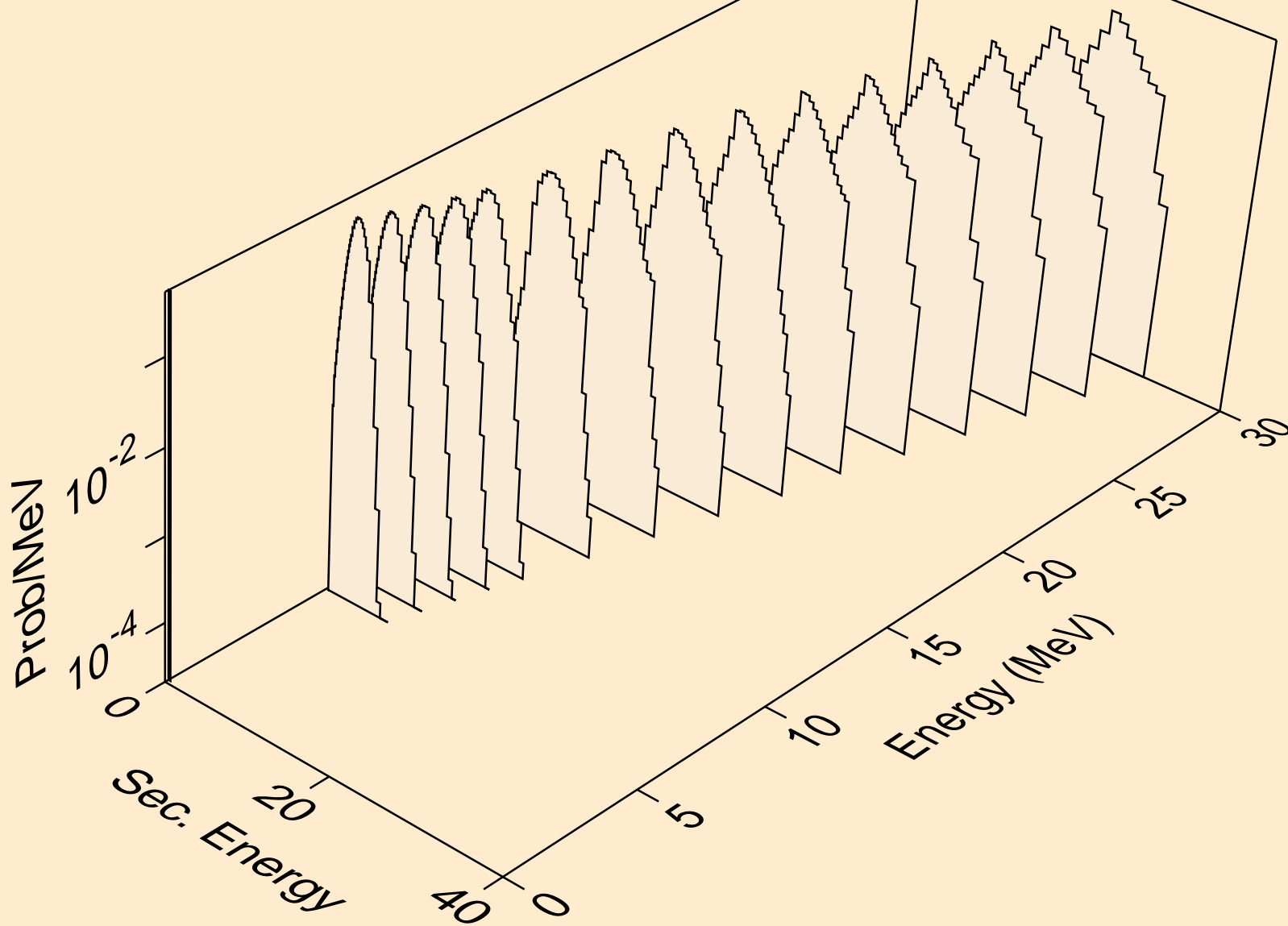
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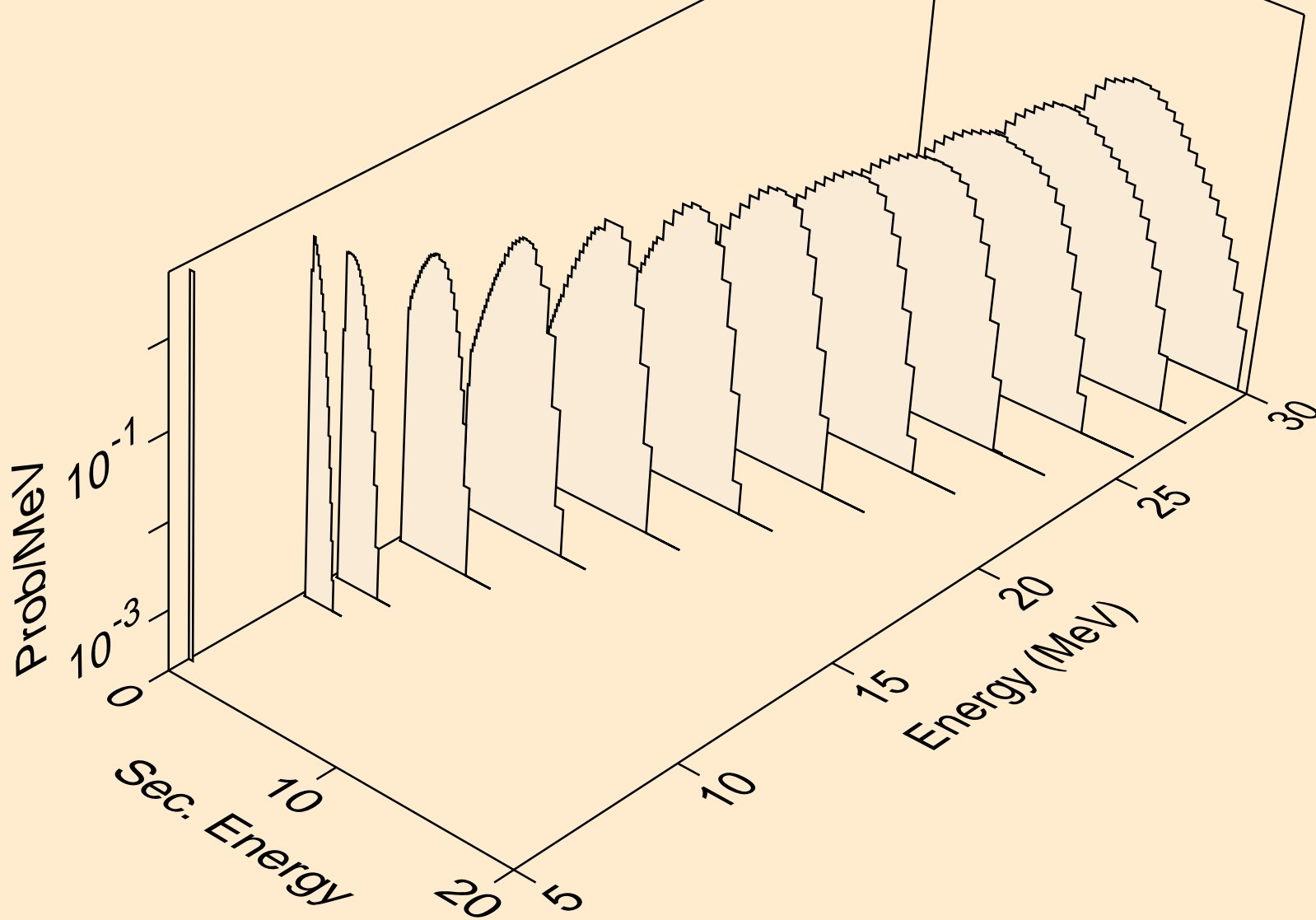
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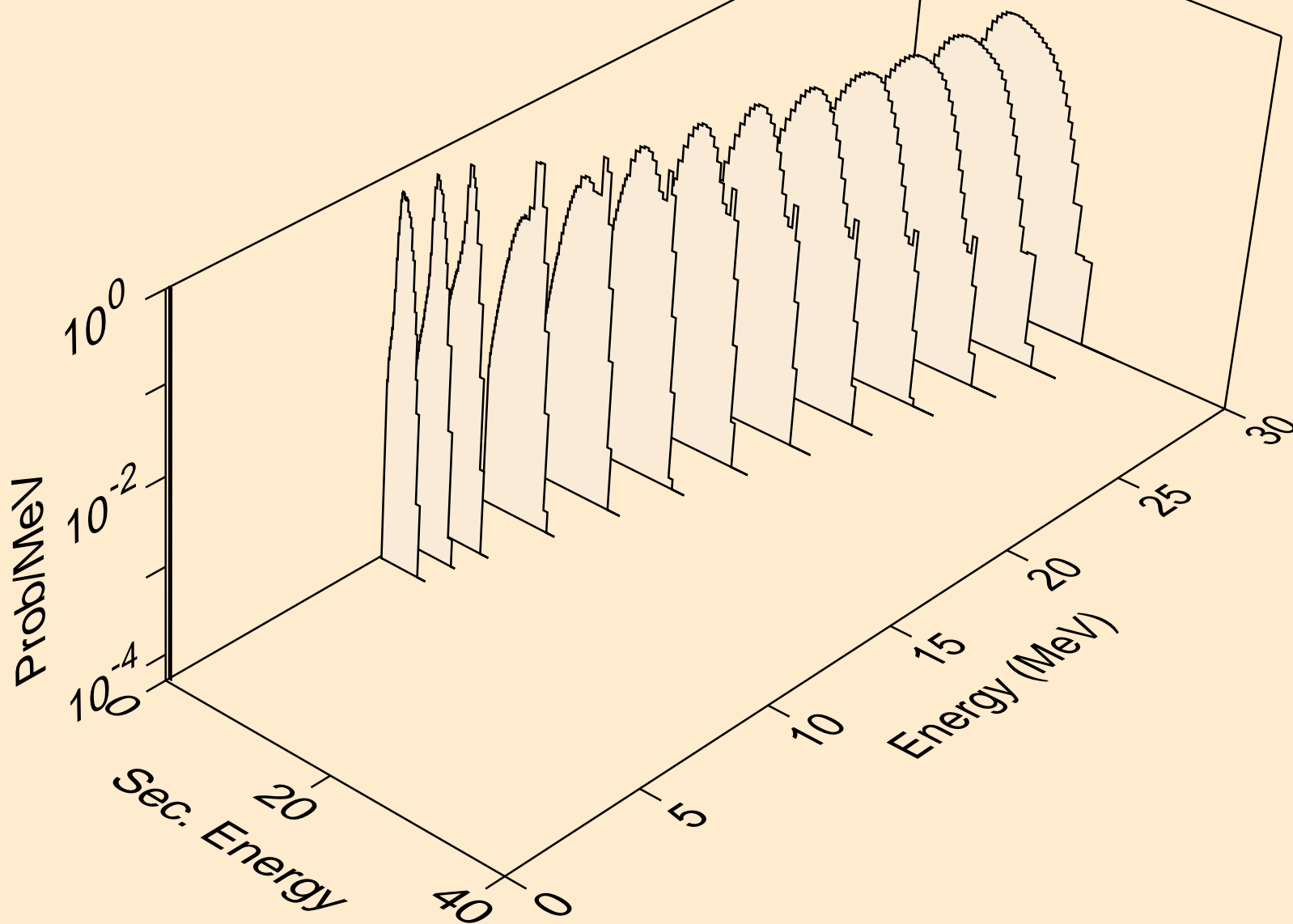
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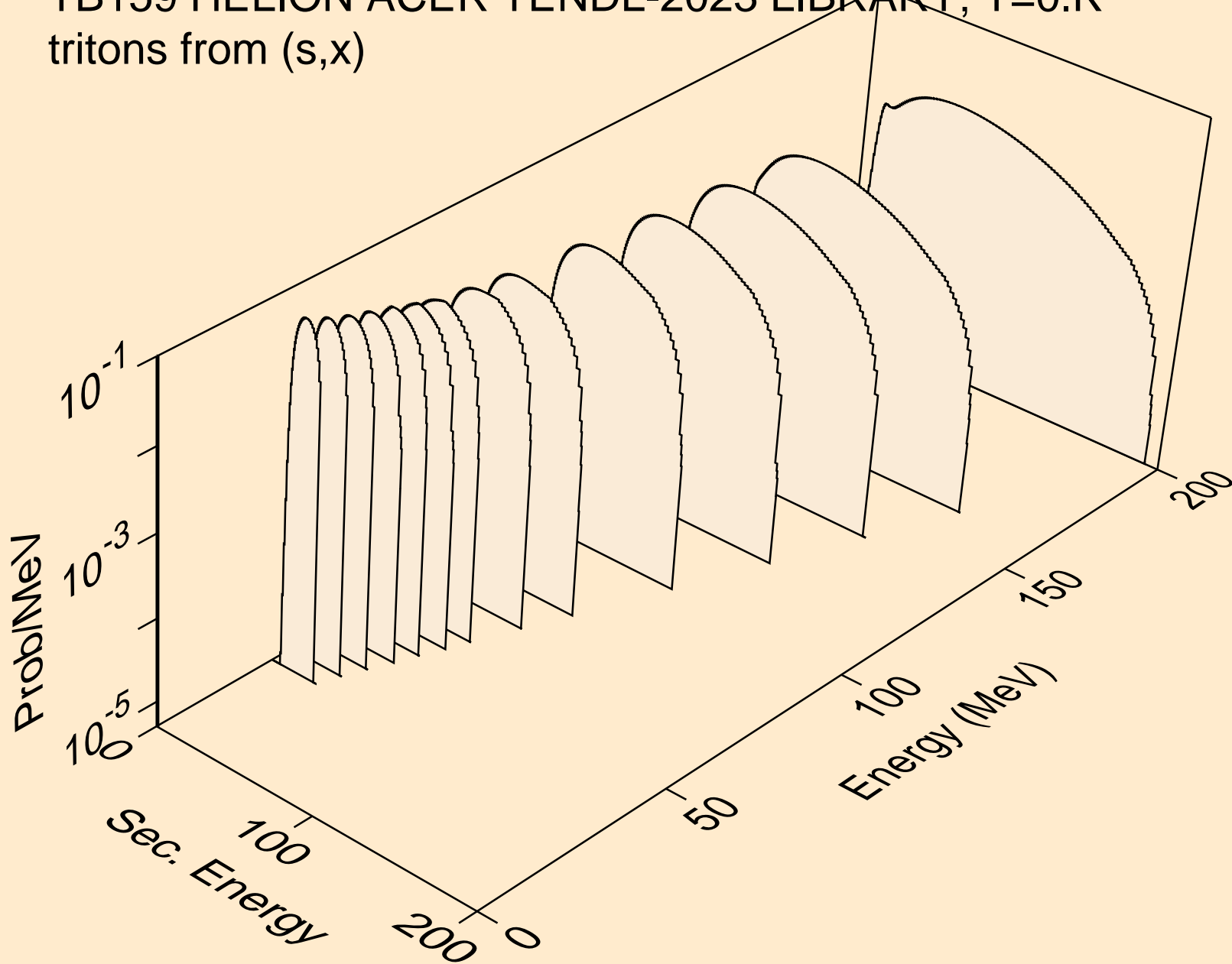
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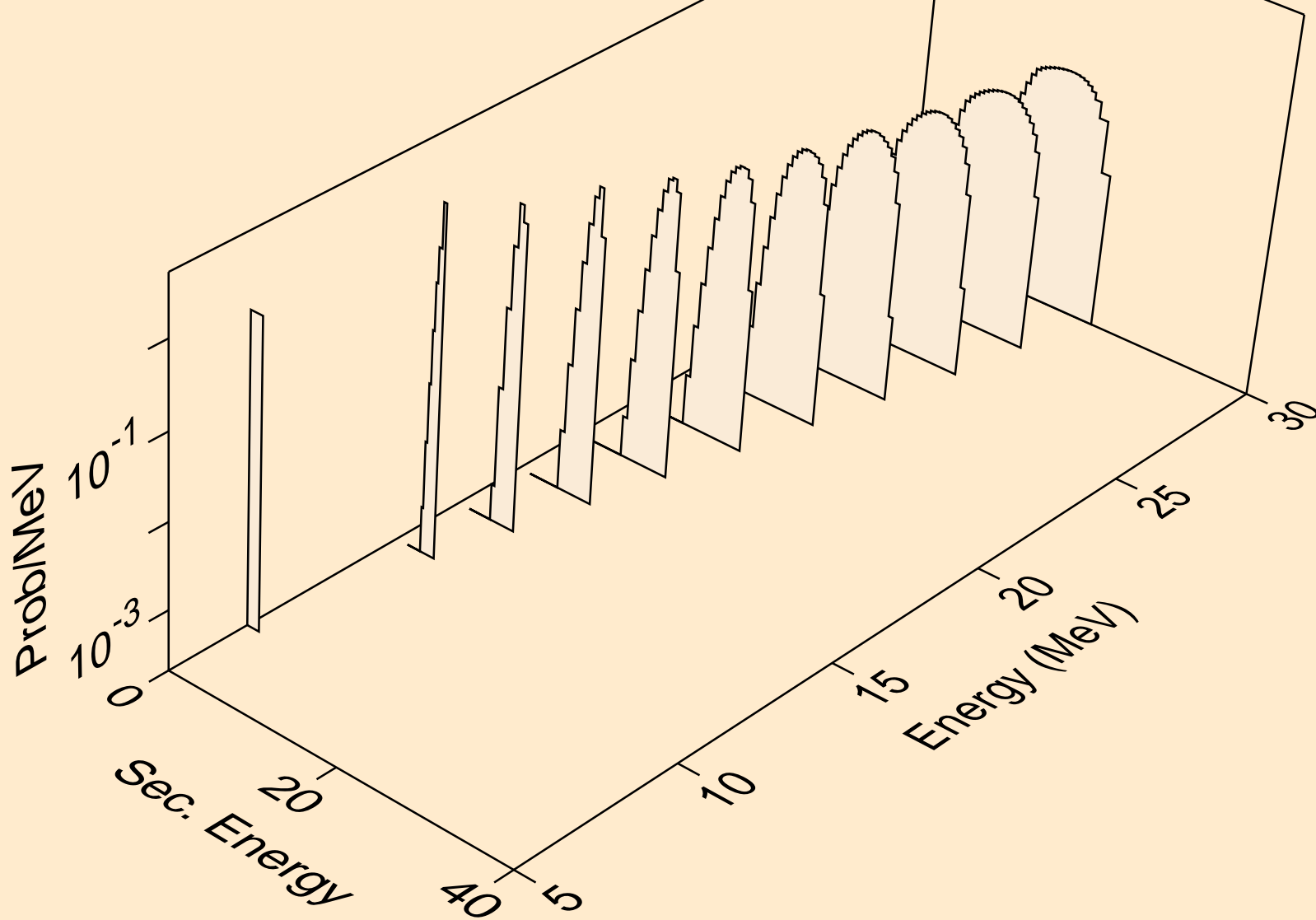
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deuterons from (s,da)



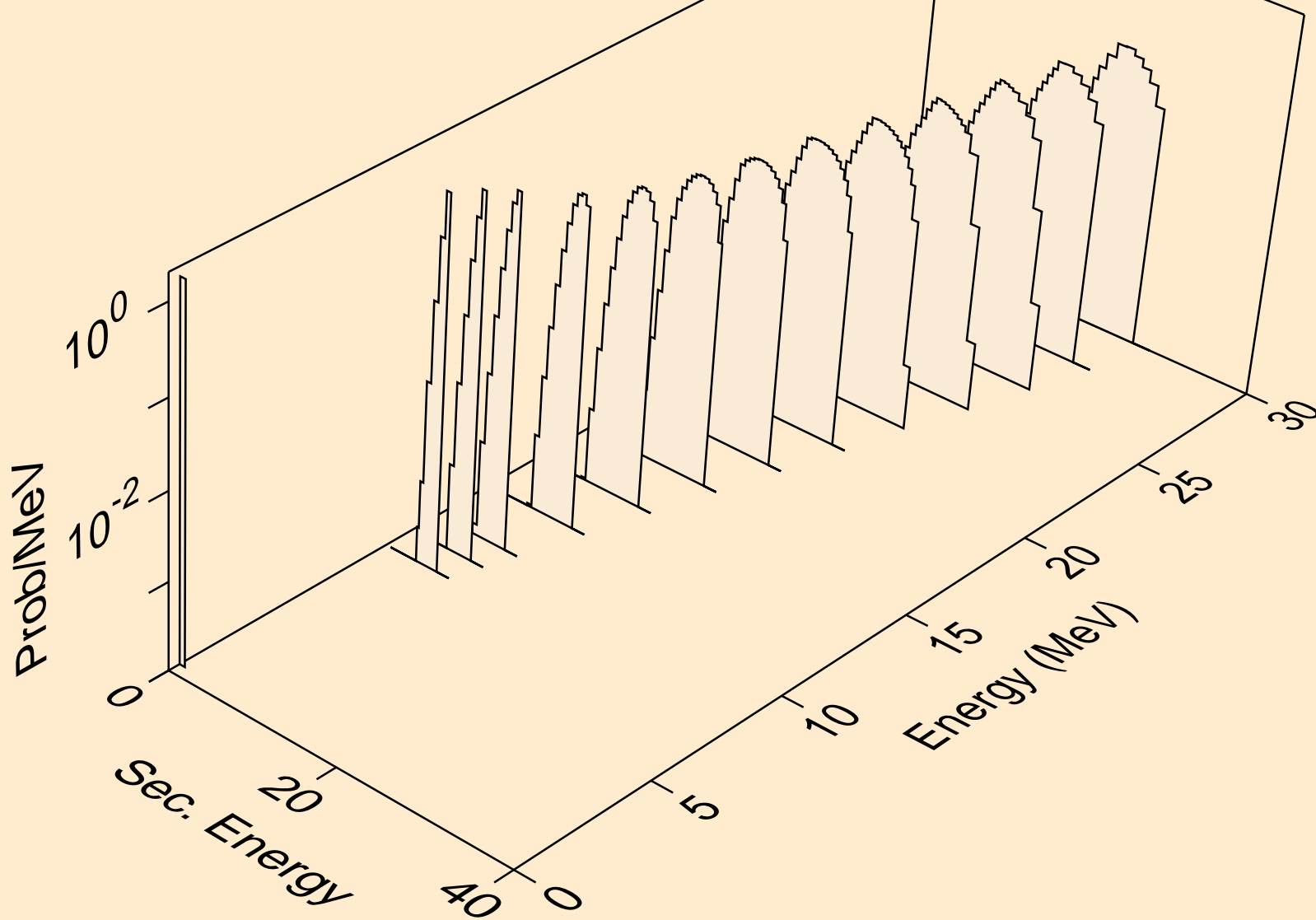
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tritons from (s,x)



TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,n\*)t

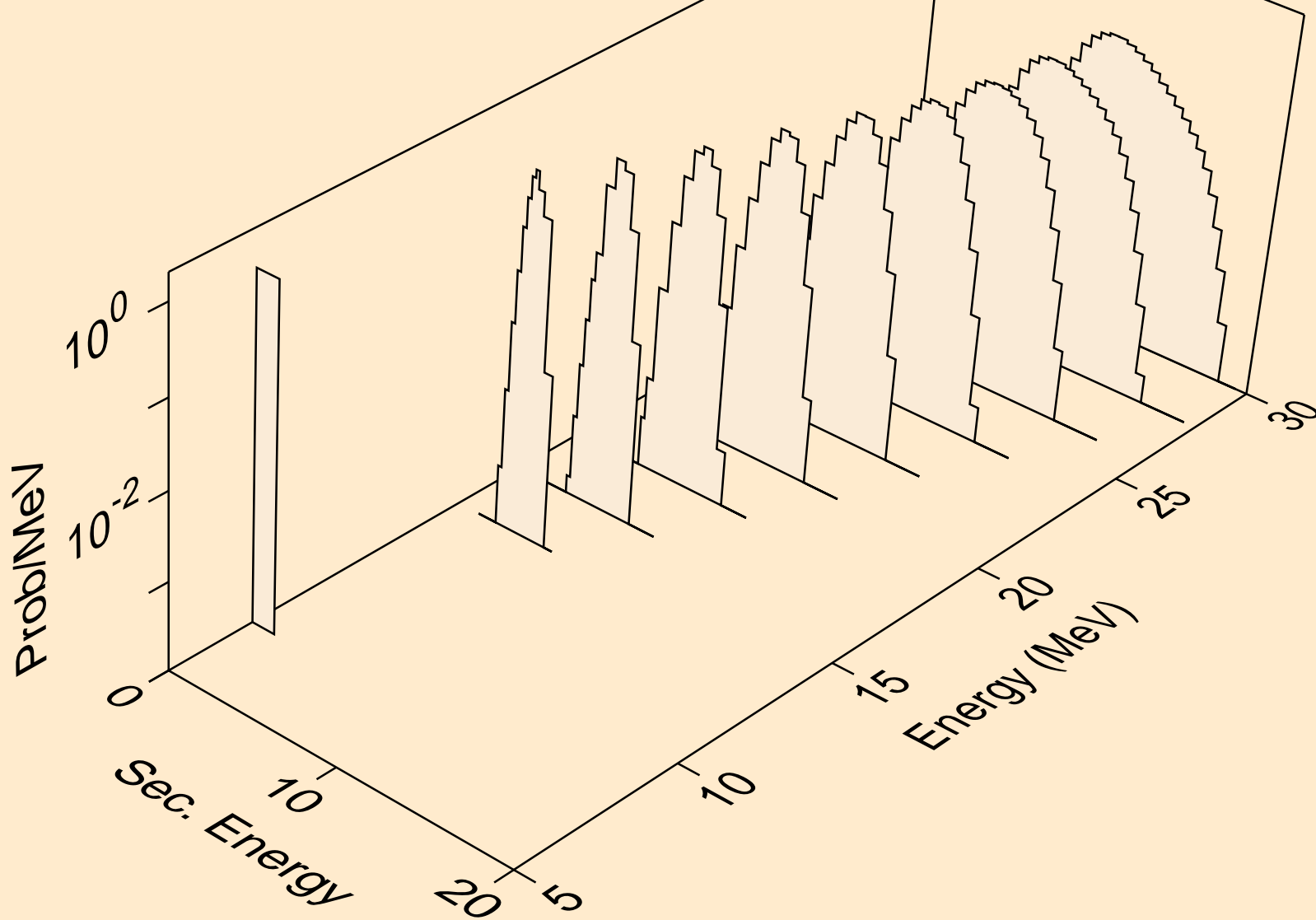


TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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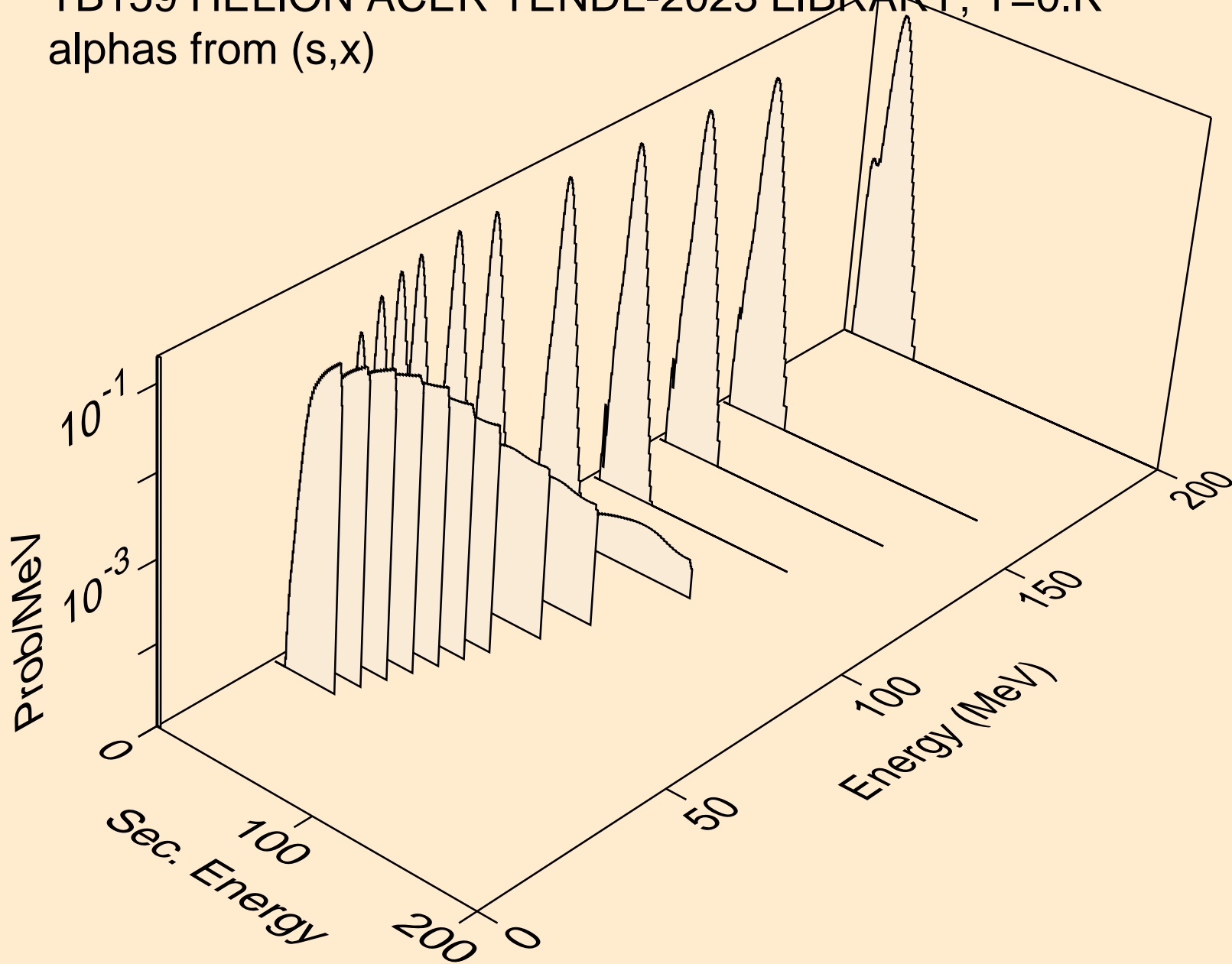




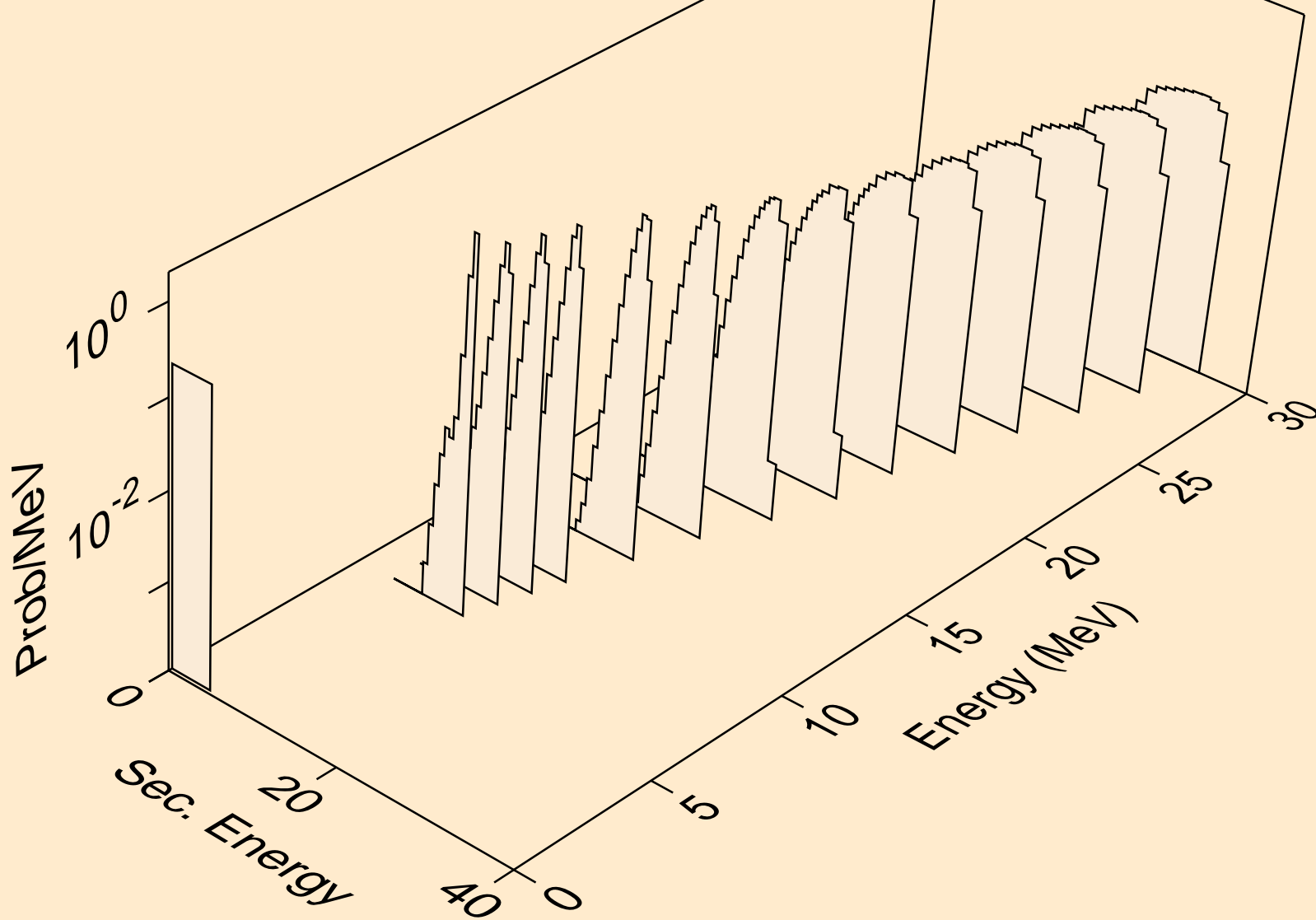
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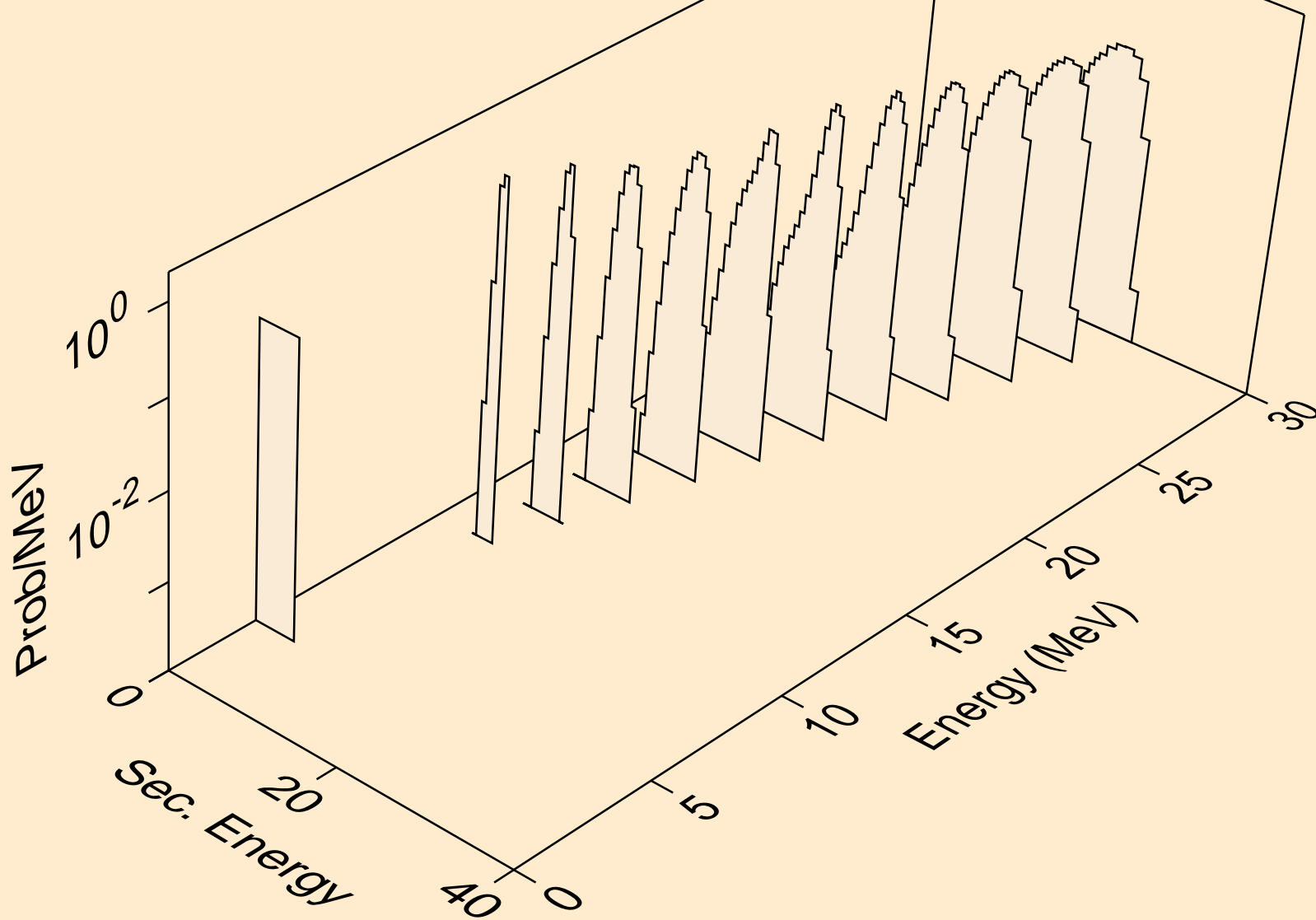
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alphas from (s,x)



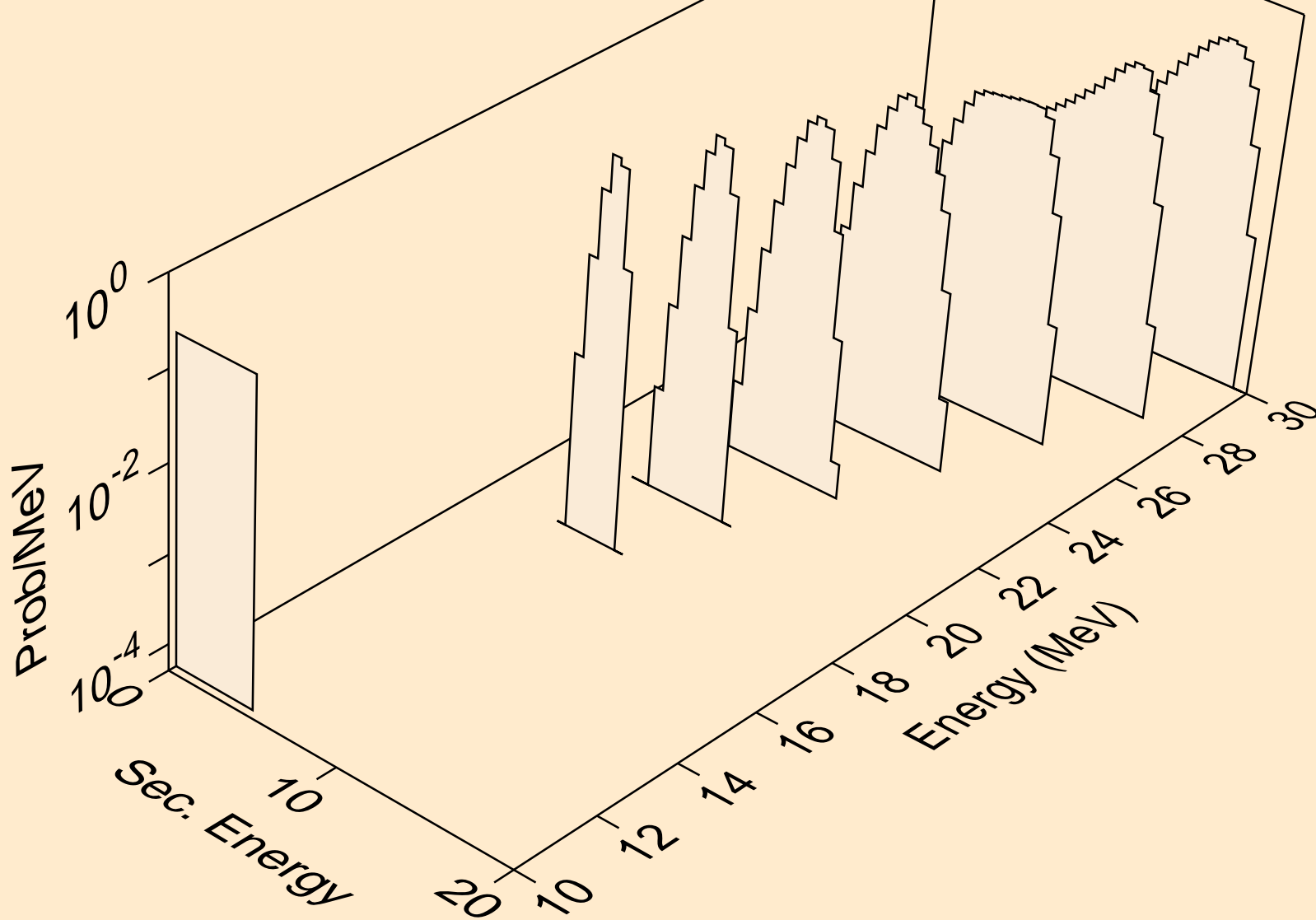
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alphas from (s,n\*)a



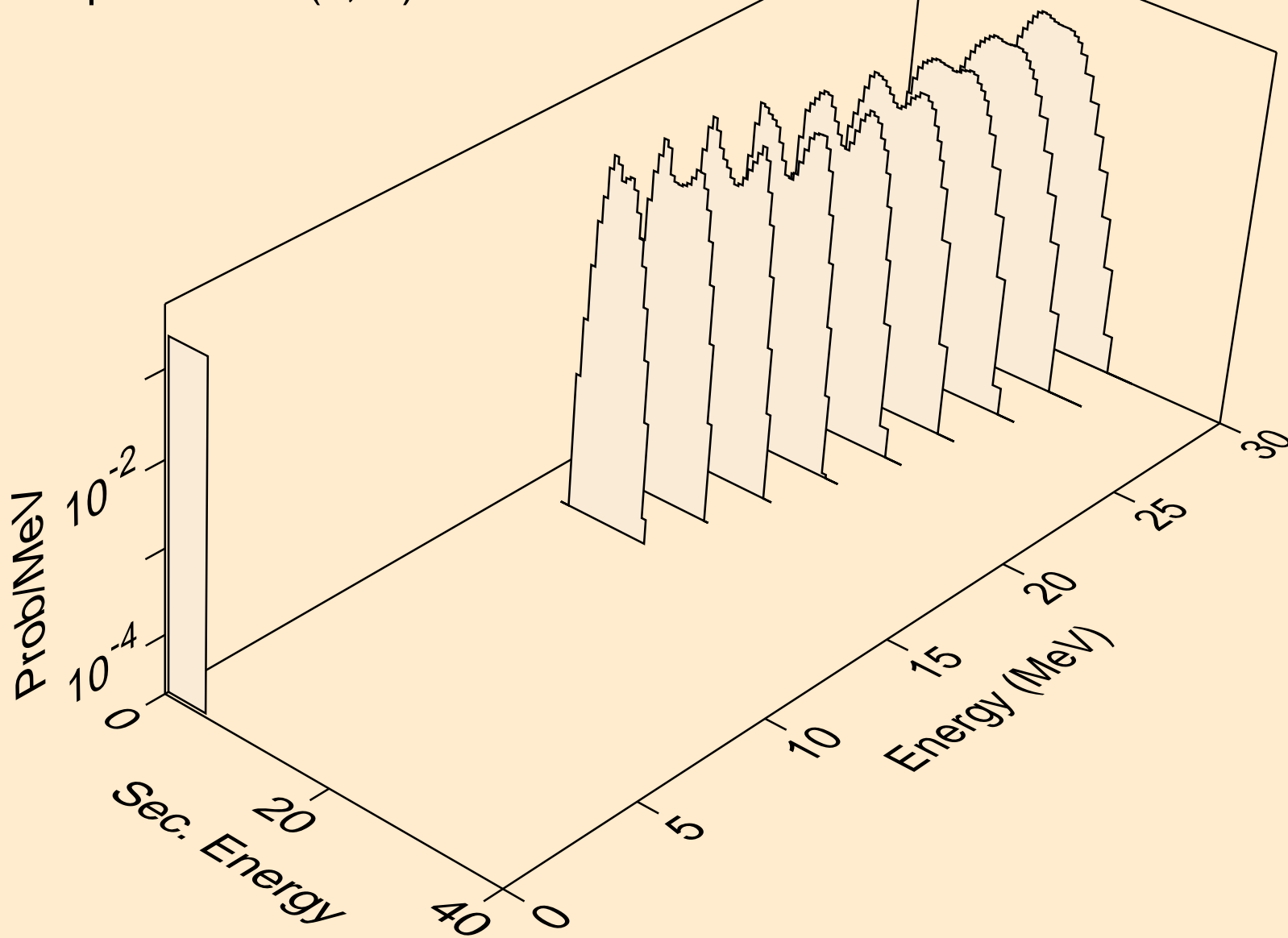
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alphas from (s,2n)a



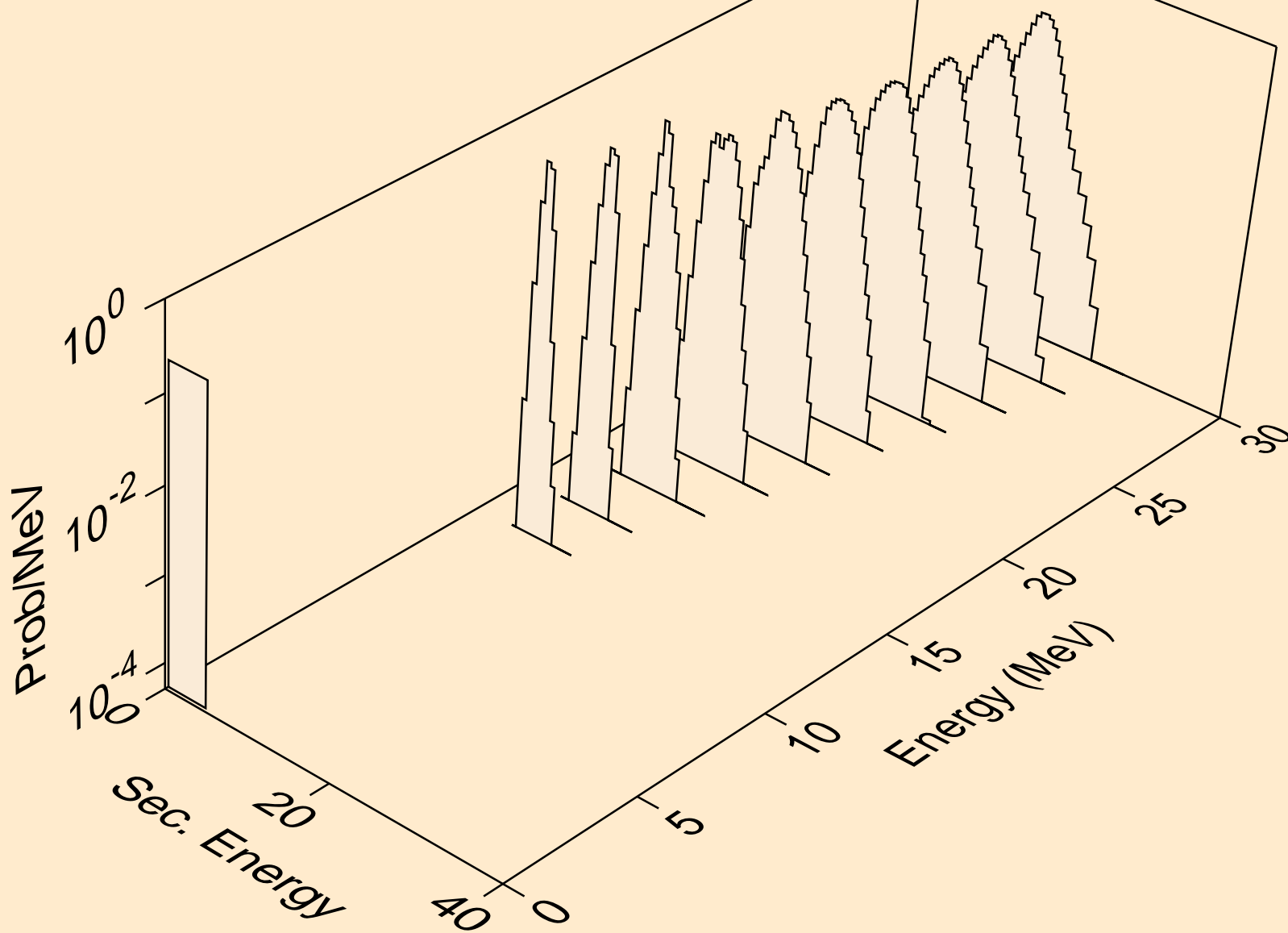
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alphas from (s,3n)a



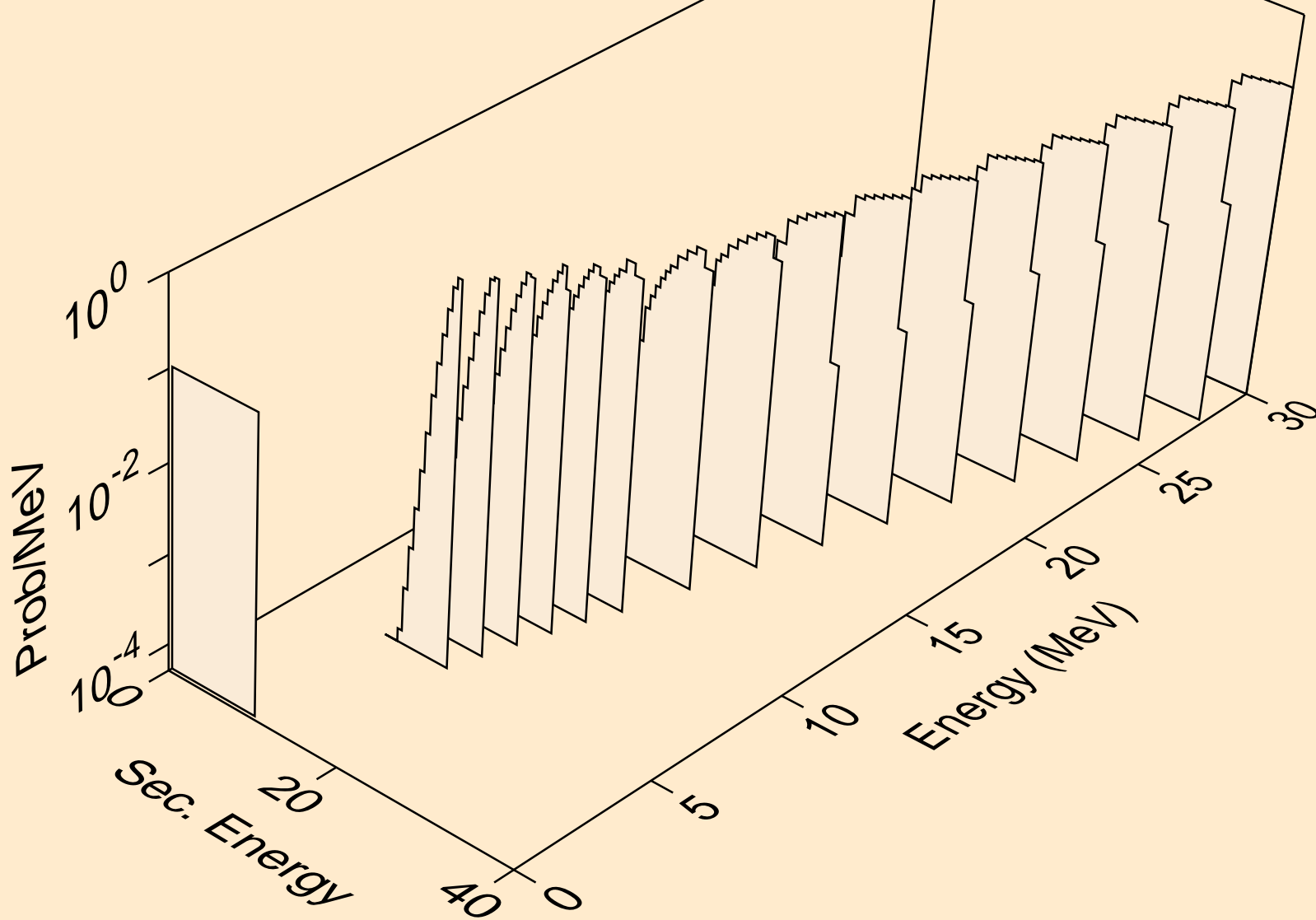
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alphas from (s,n\*)2a



TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,npa)

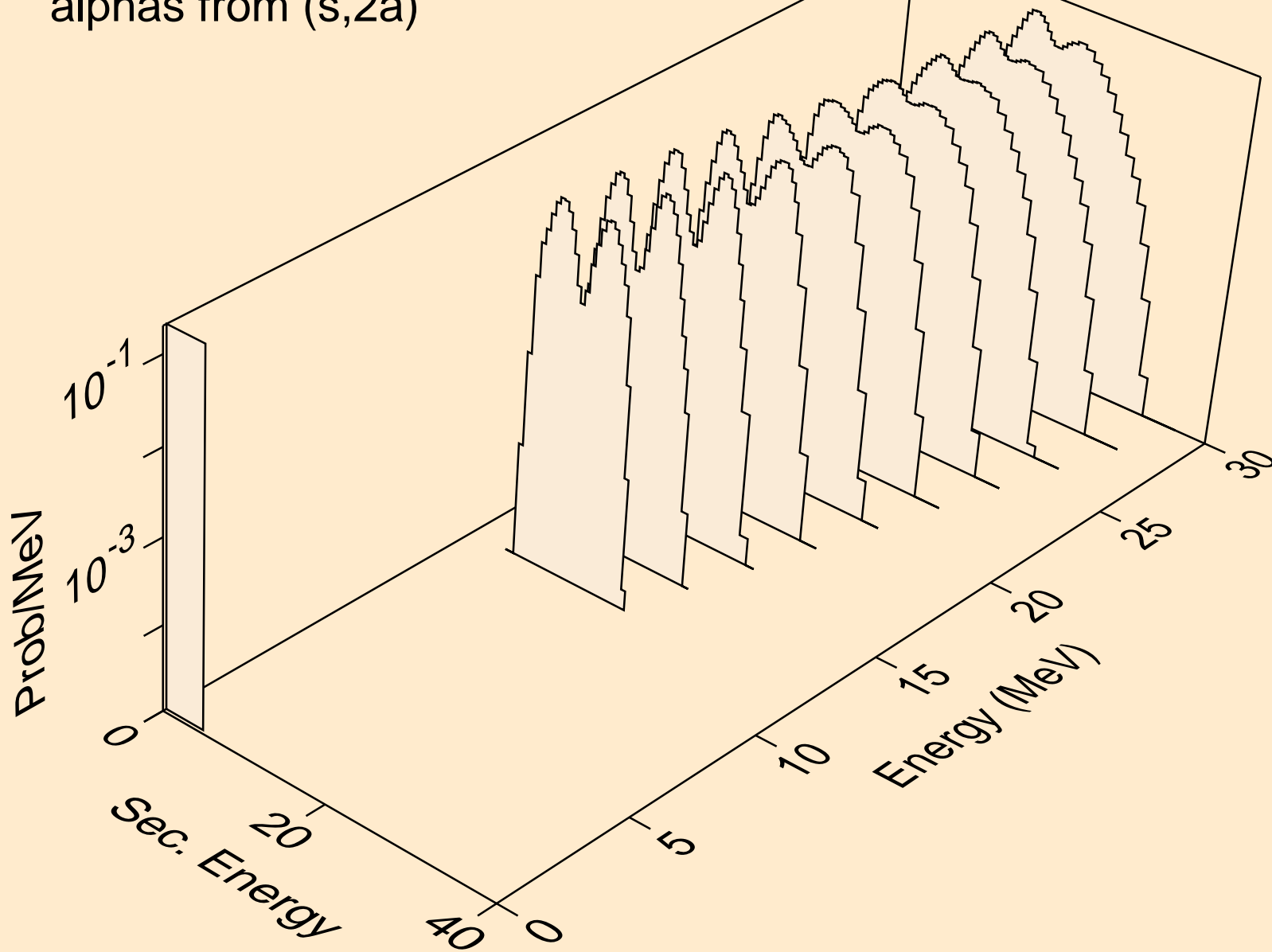


TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,a)

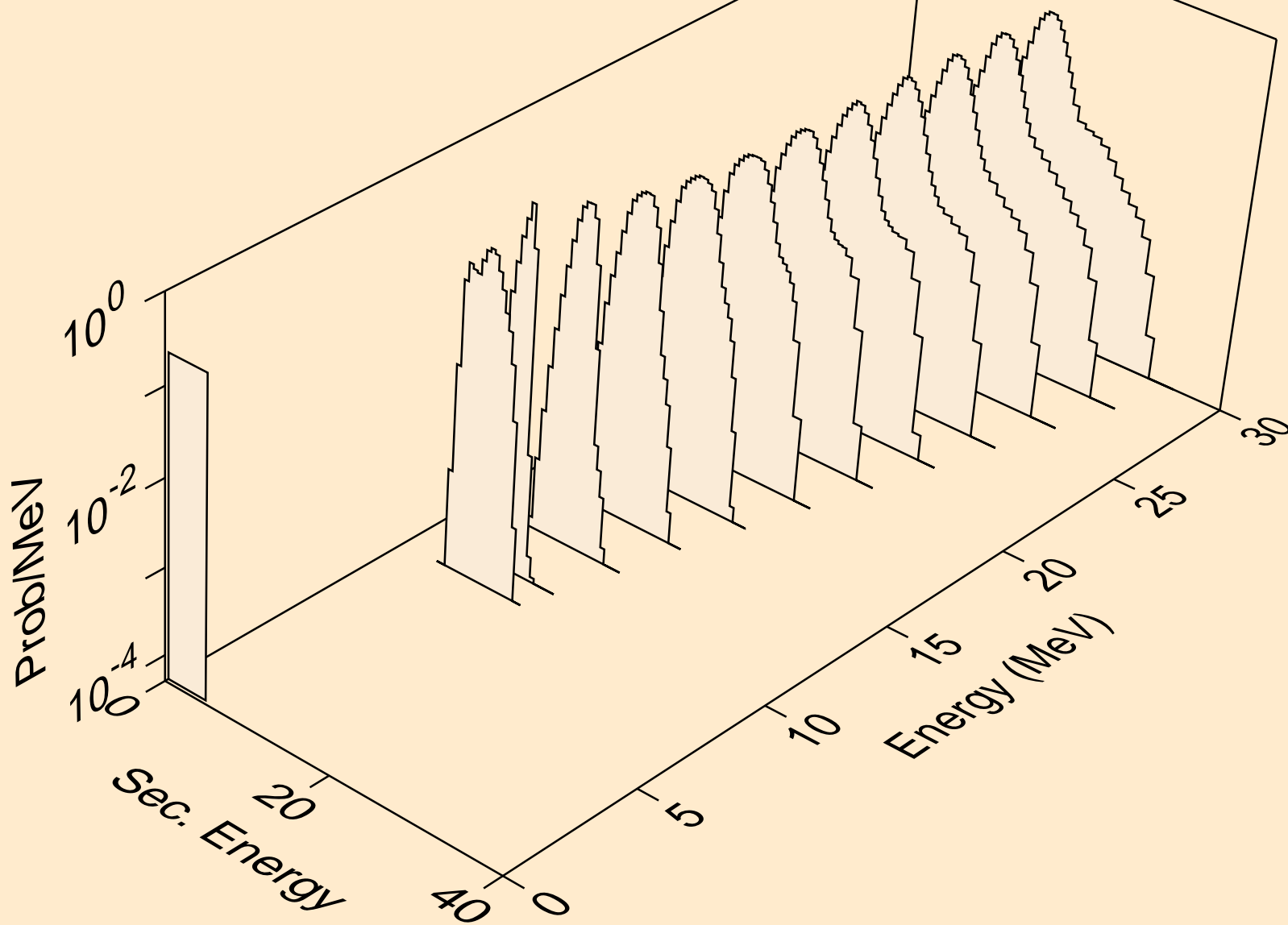




TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)



TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



TB159 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

