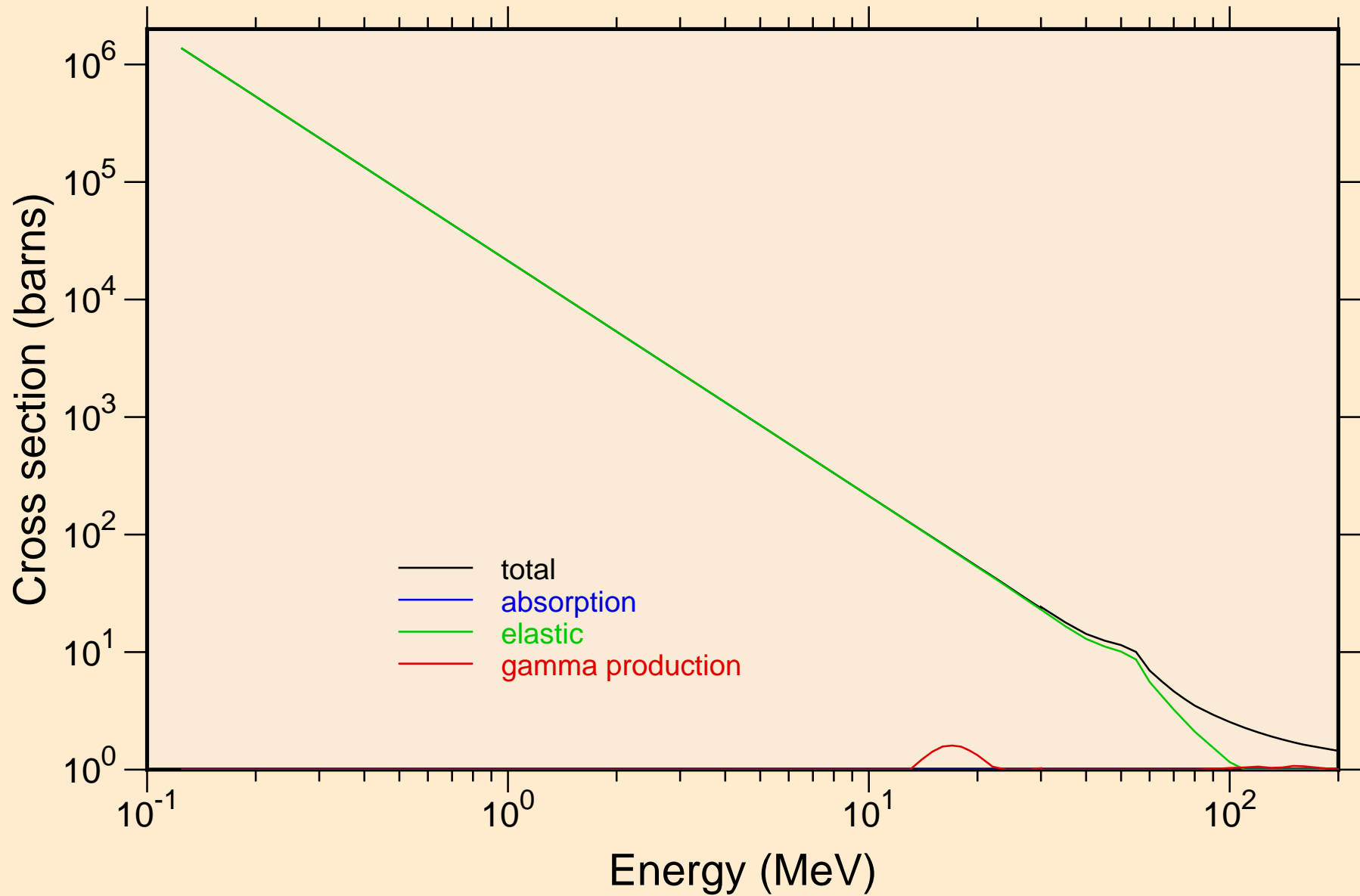
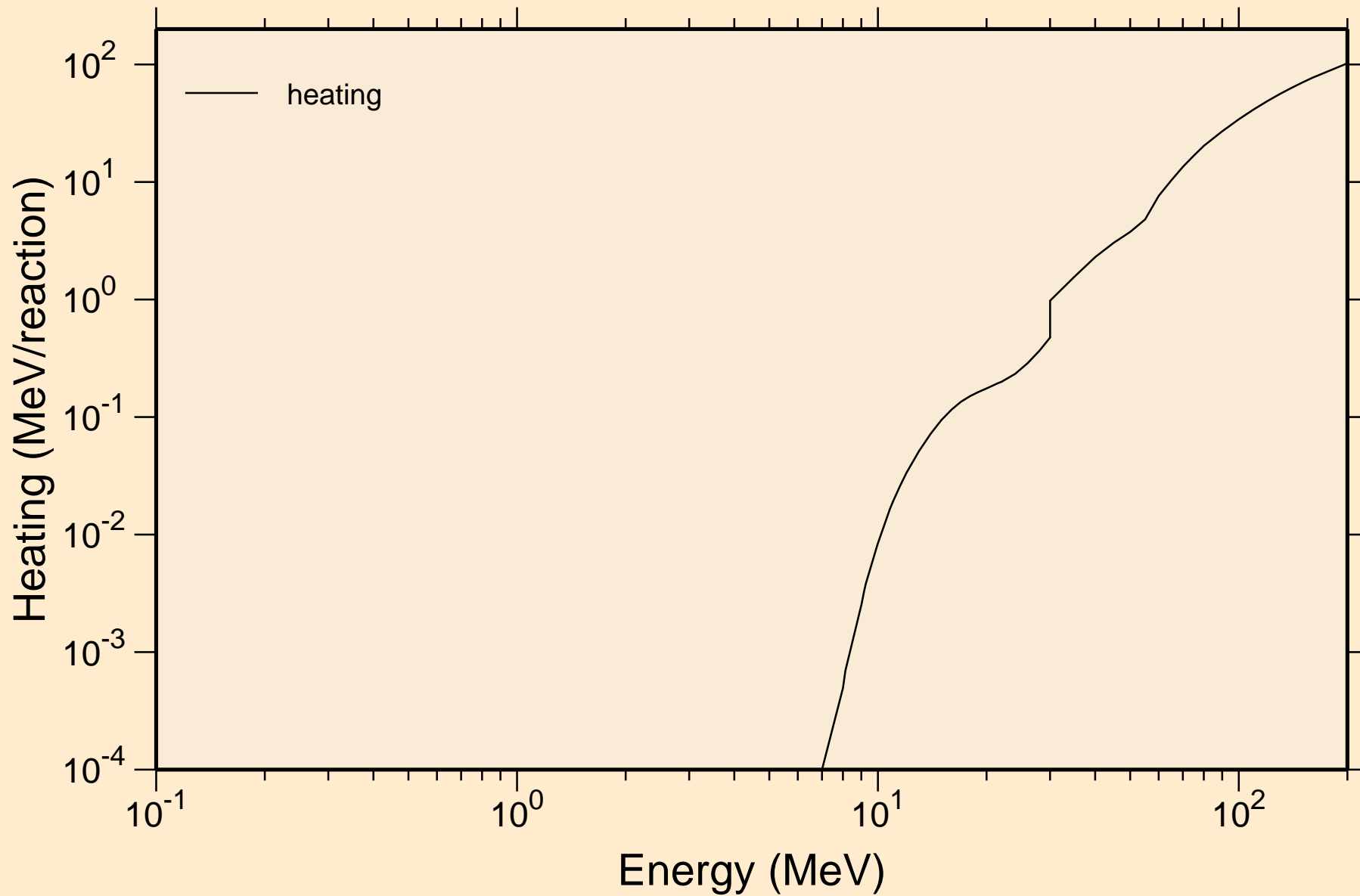


NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Principal cross sections

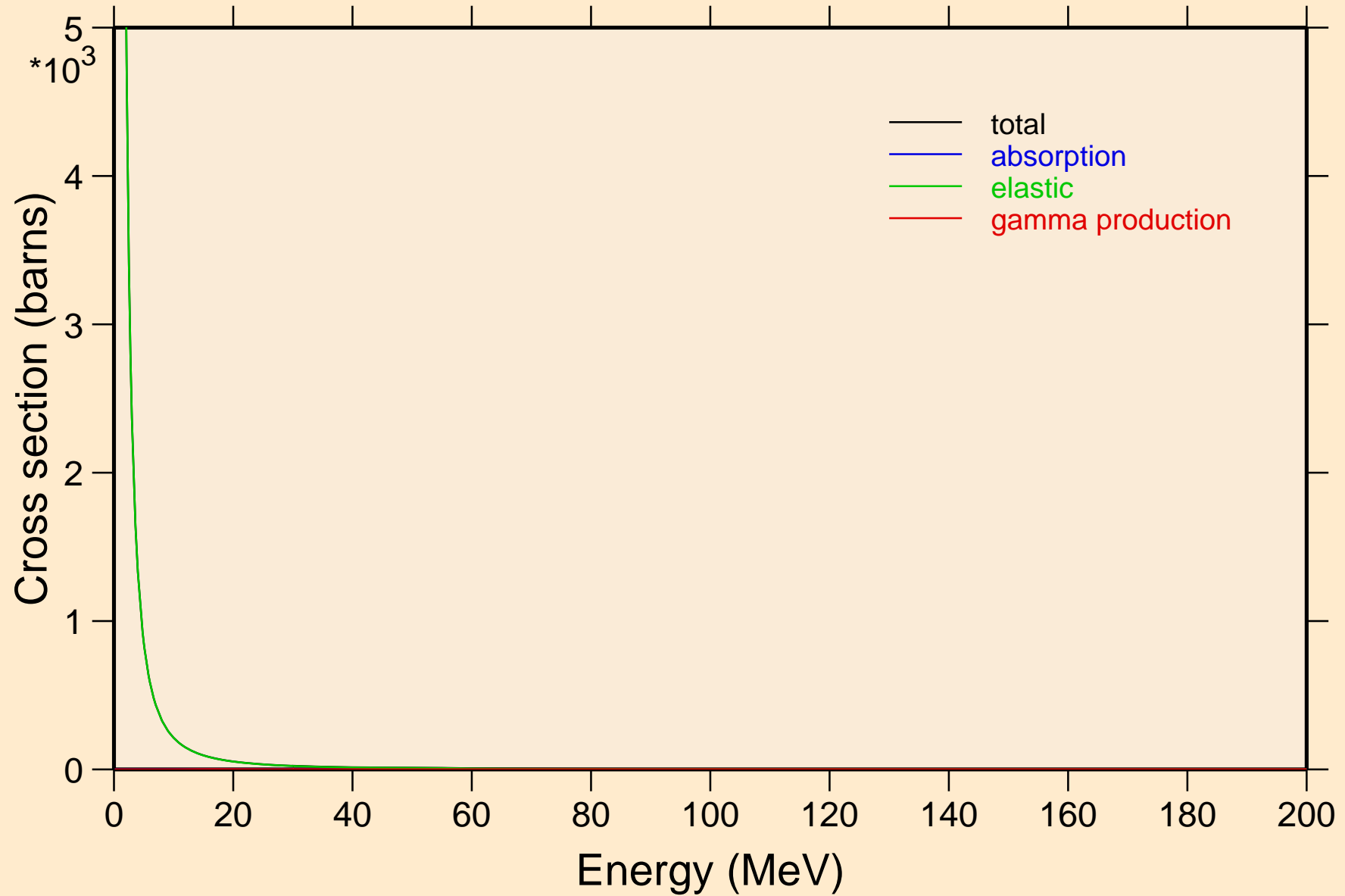


NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Heating

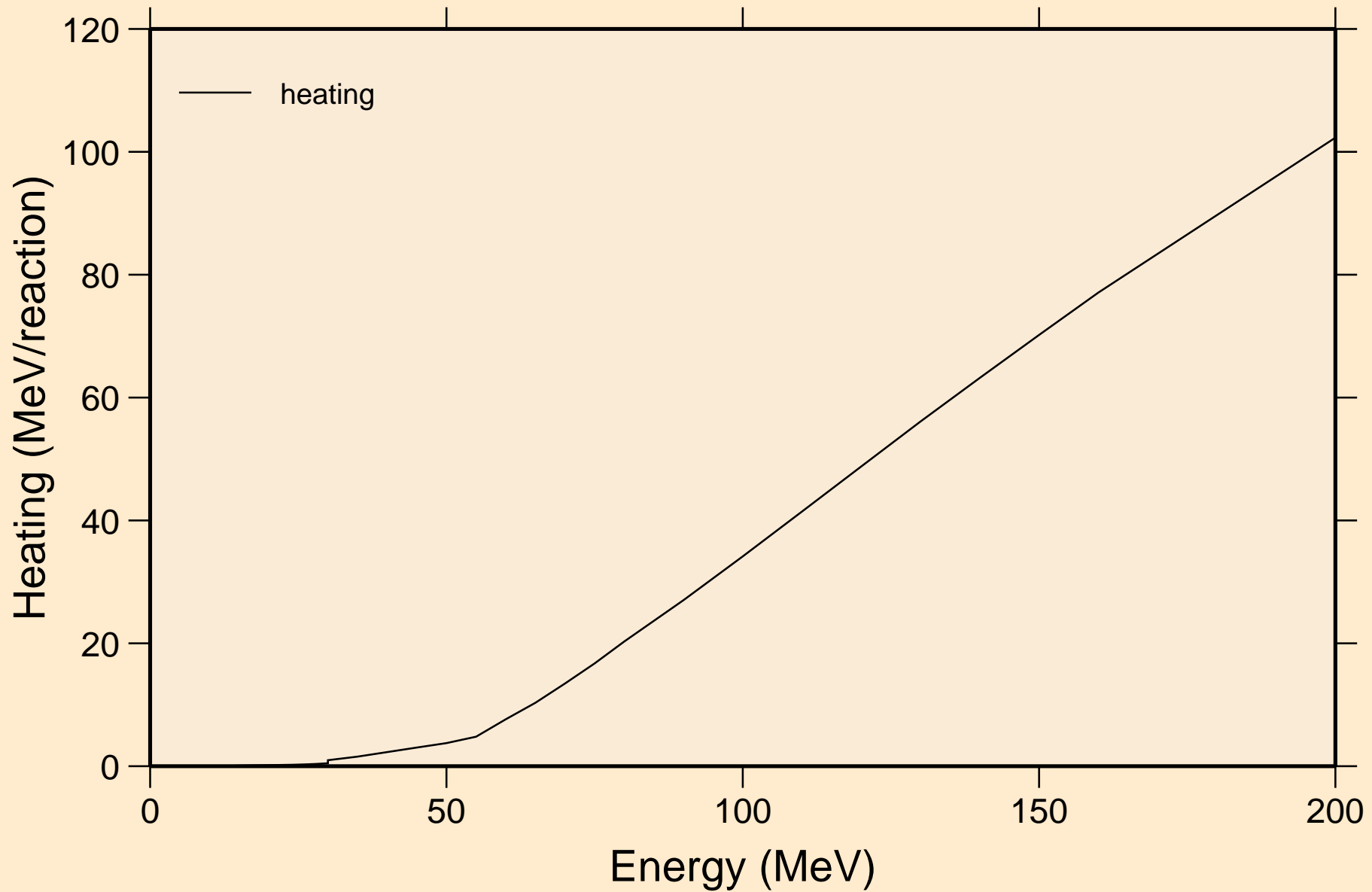


# NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K

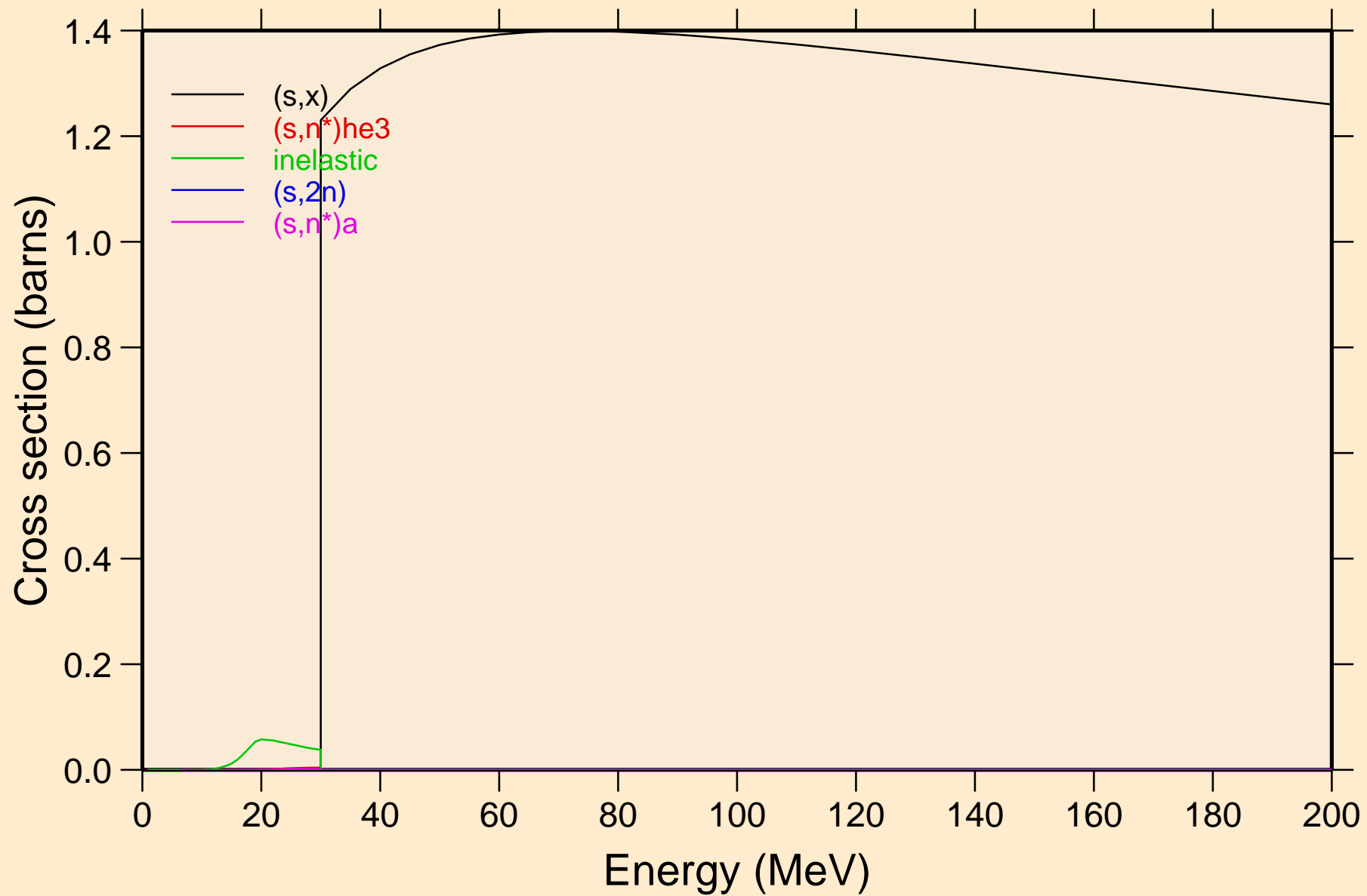
## Principal cross sections



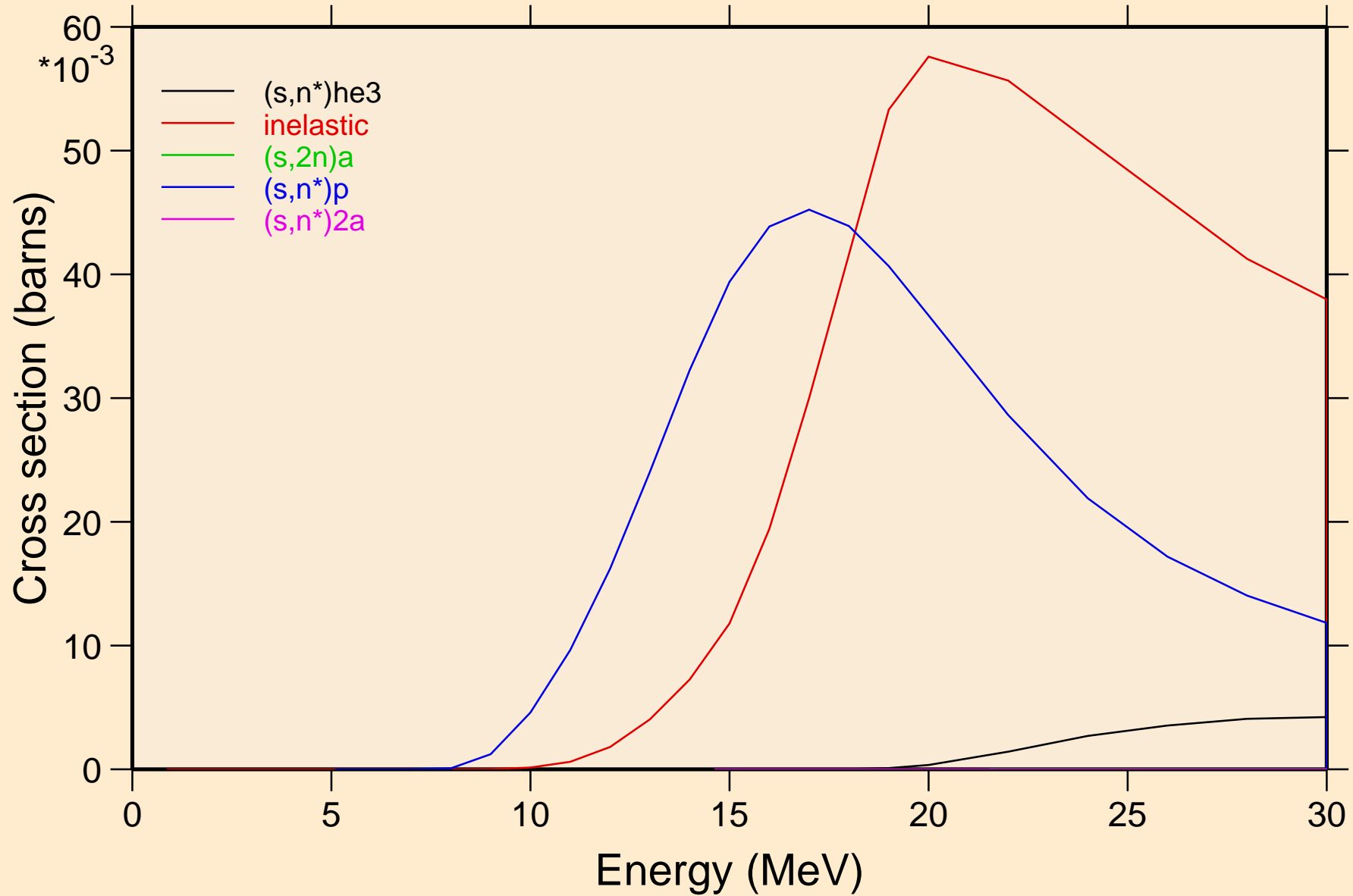
NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Heating



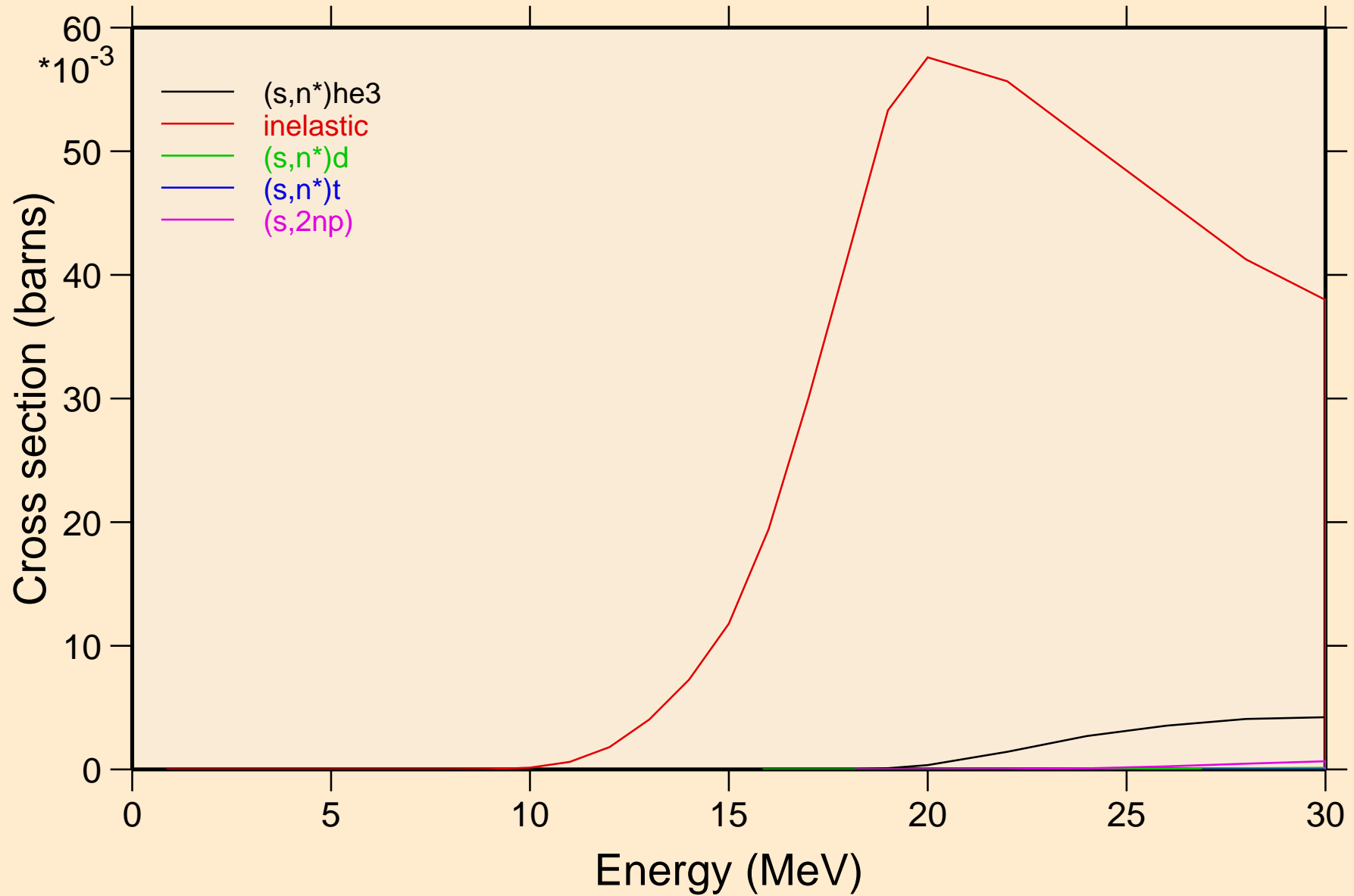
NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



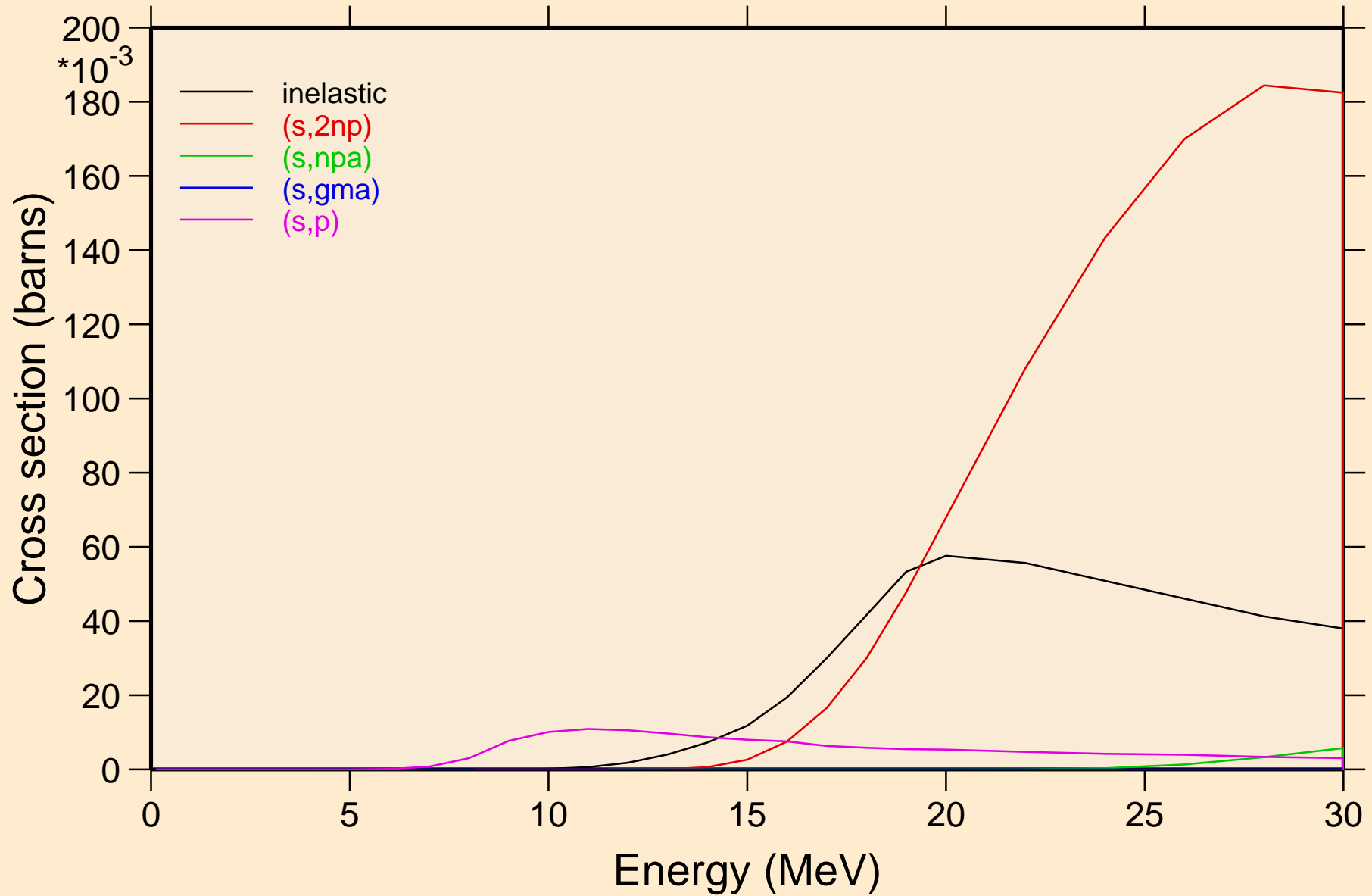
NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

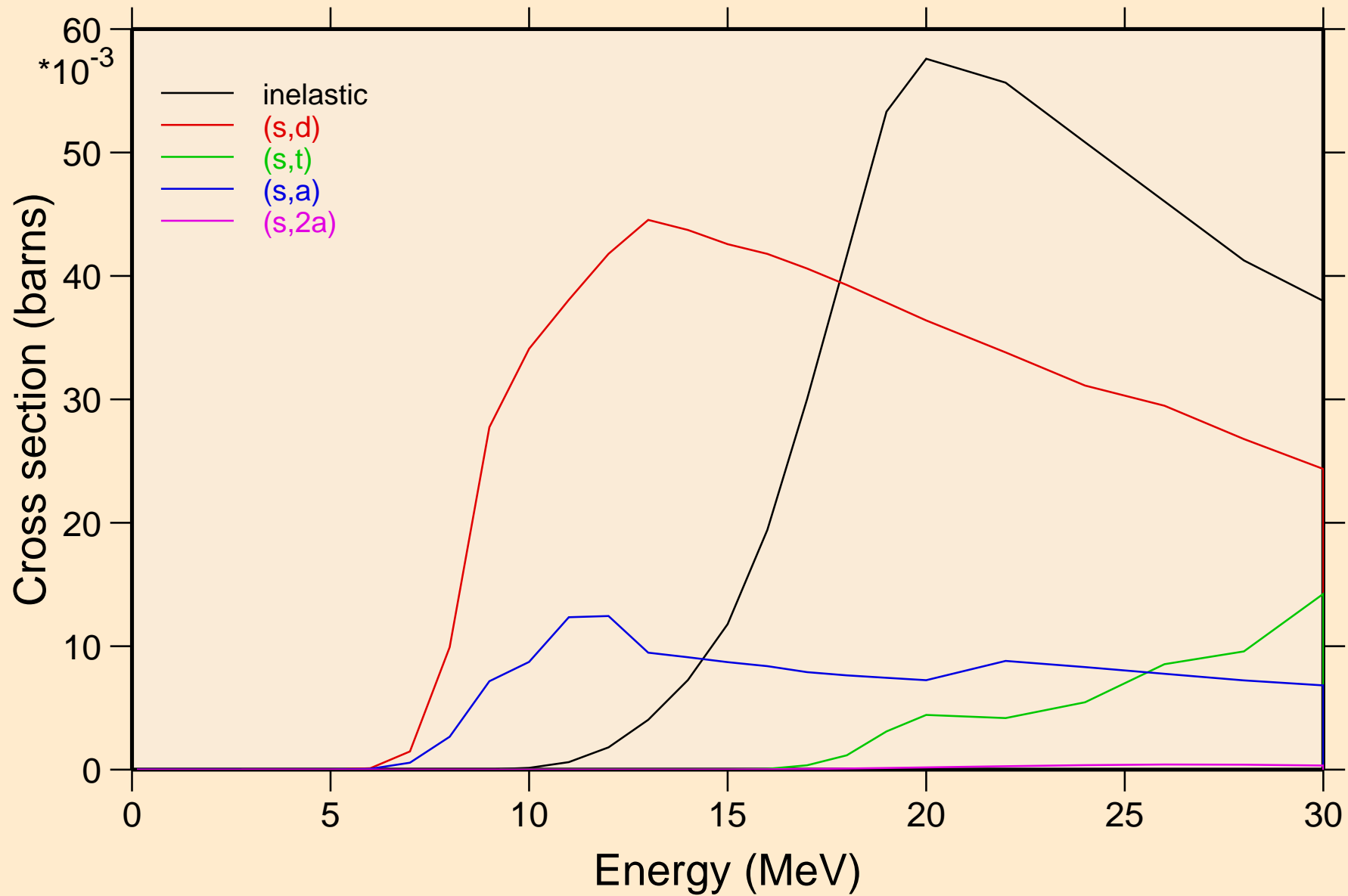


NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

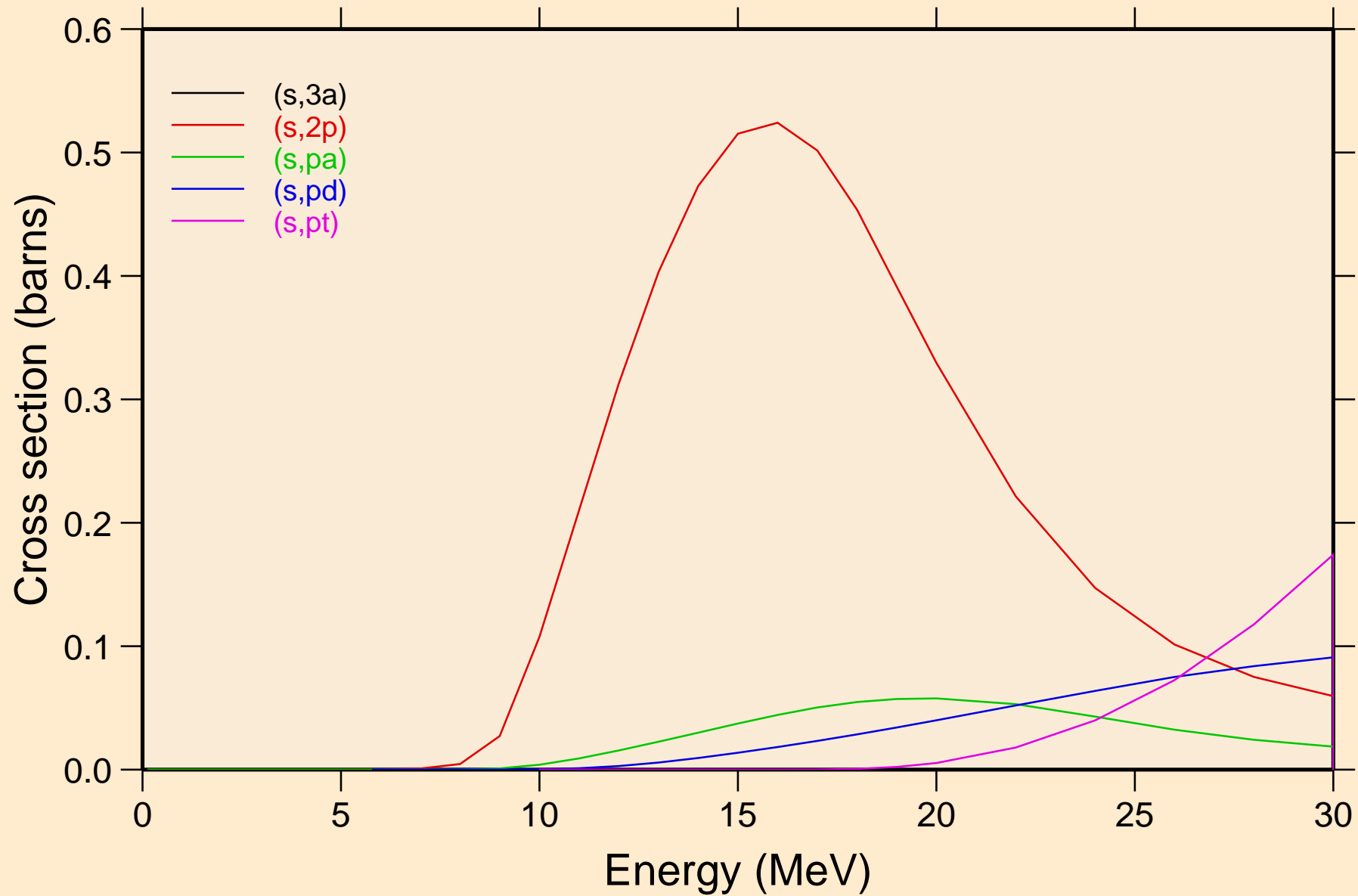




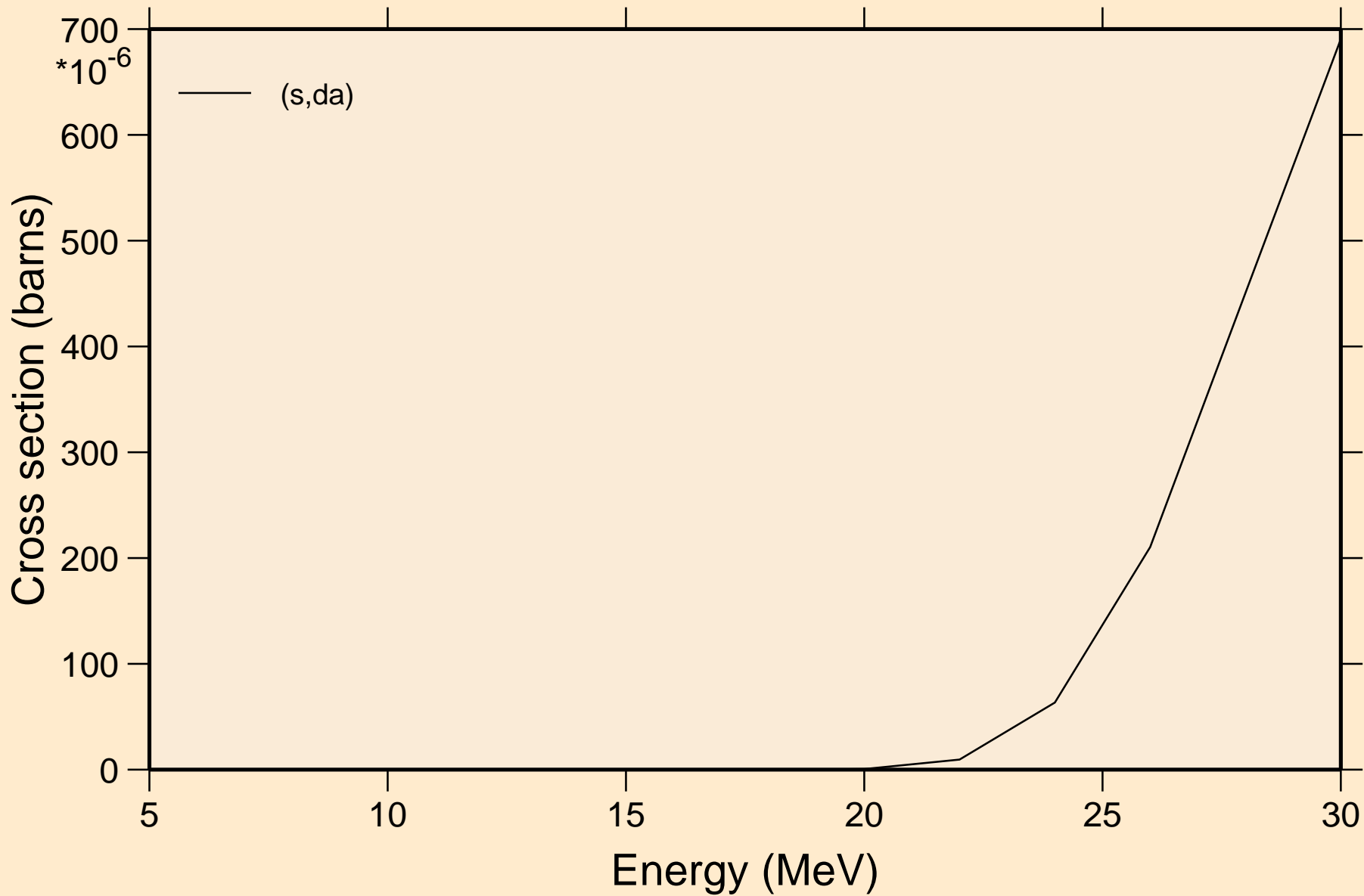
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Threshold reactions



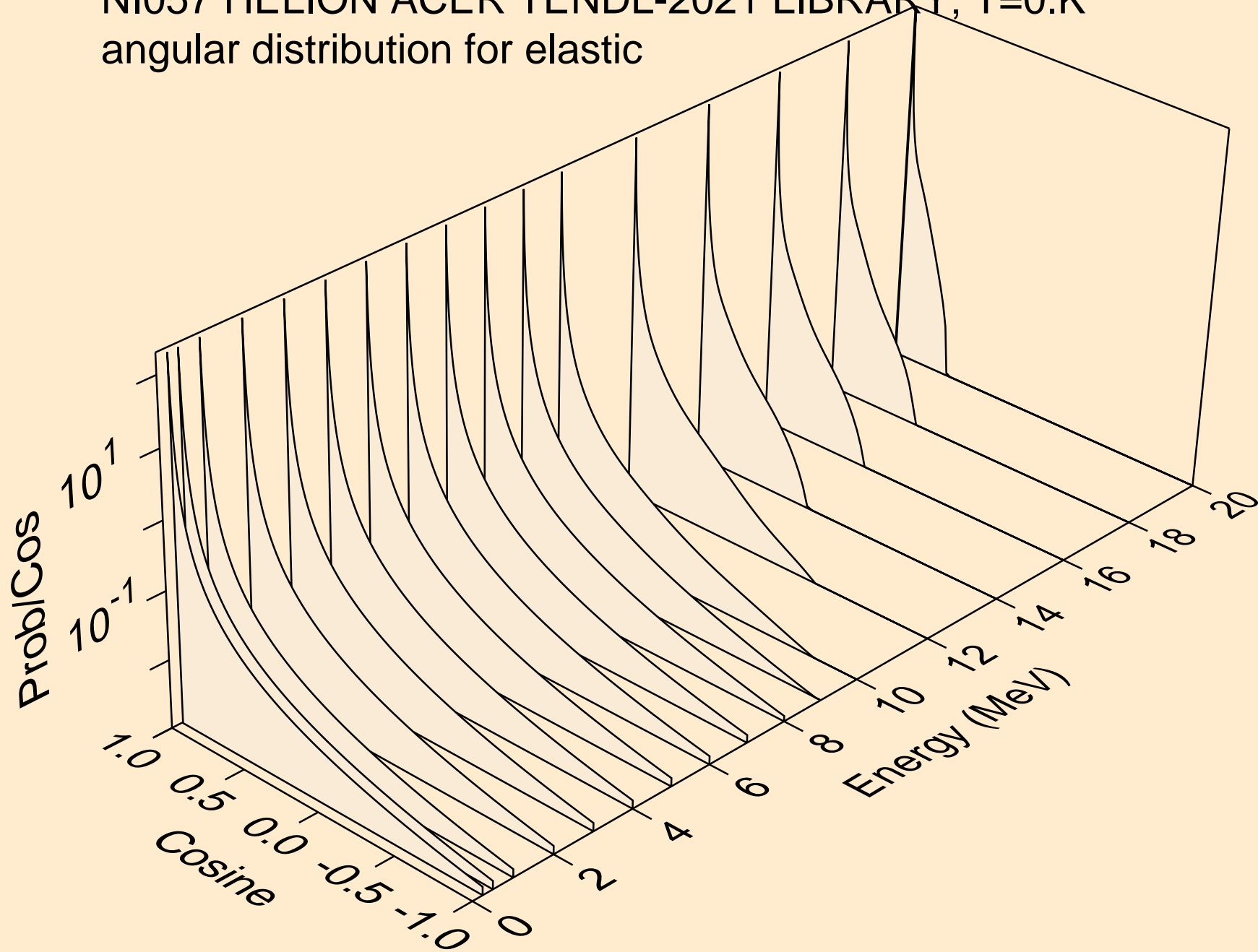
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Threshold reactions



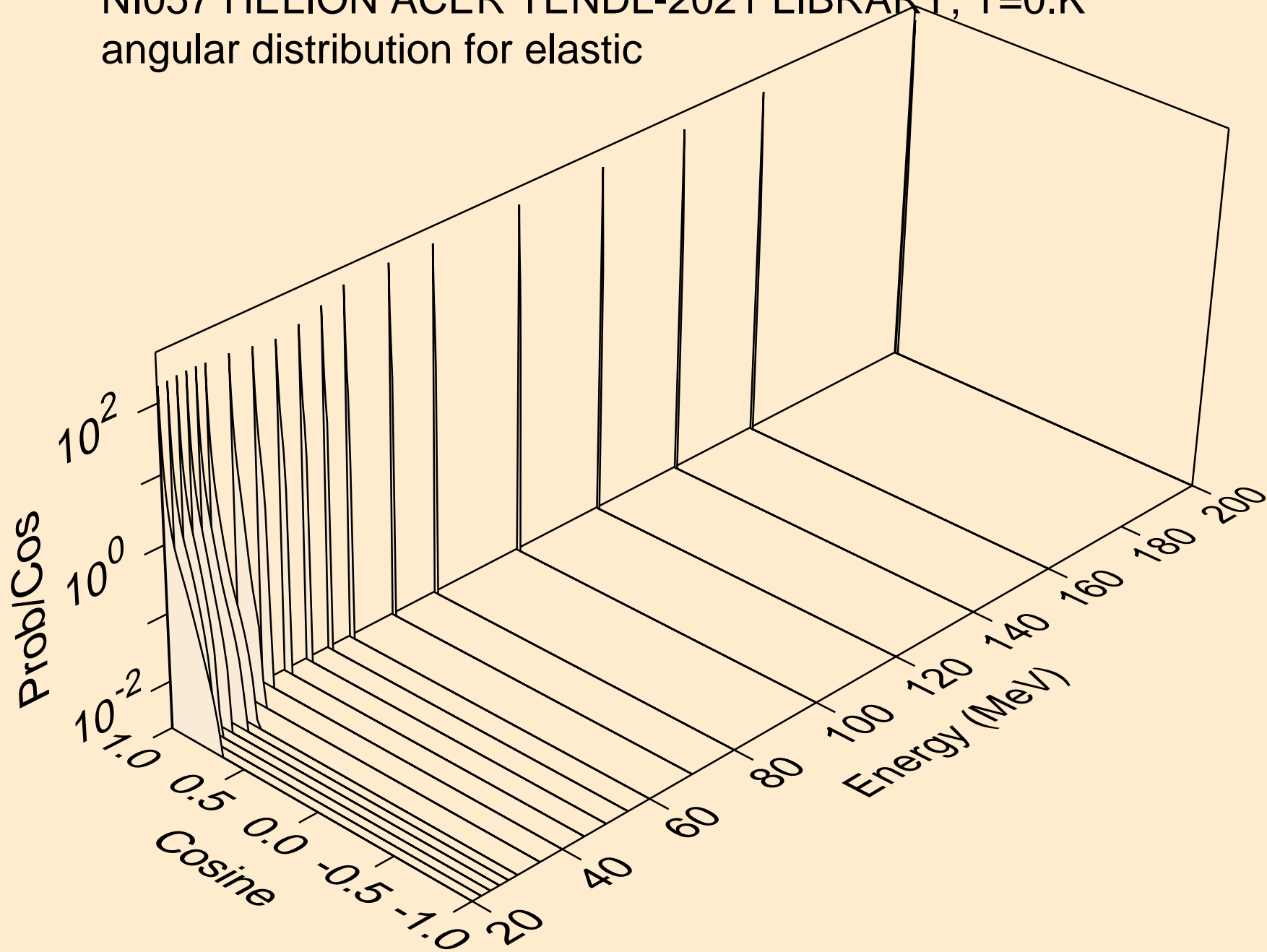
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Threshold reactions



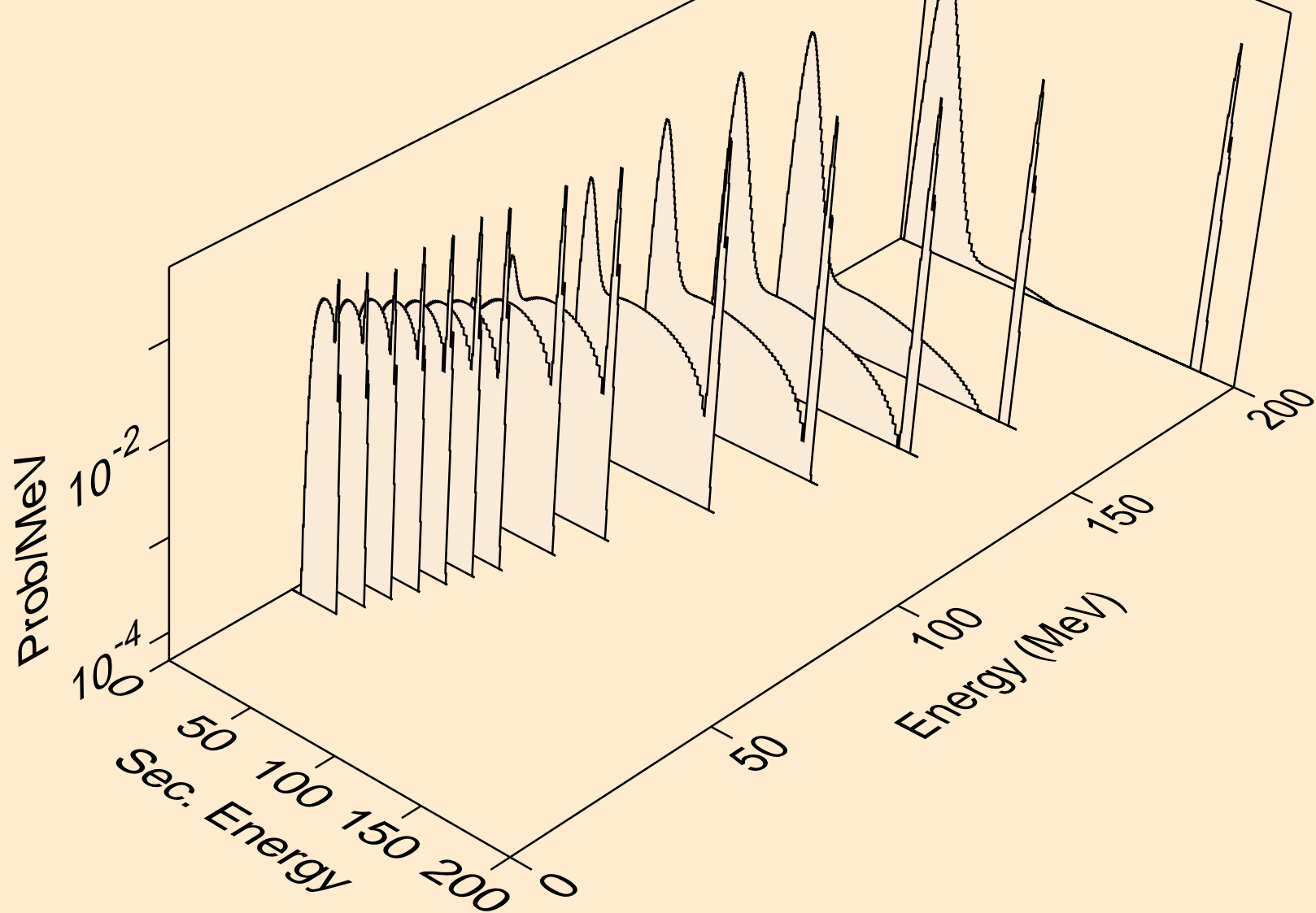
NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



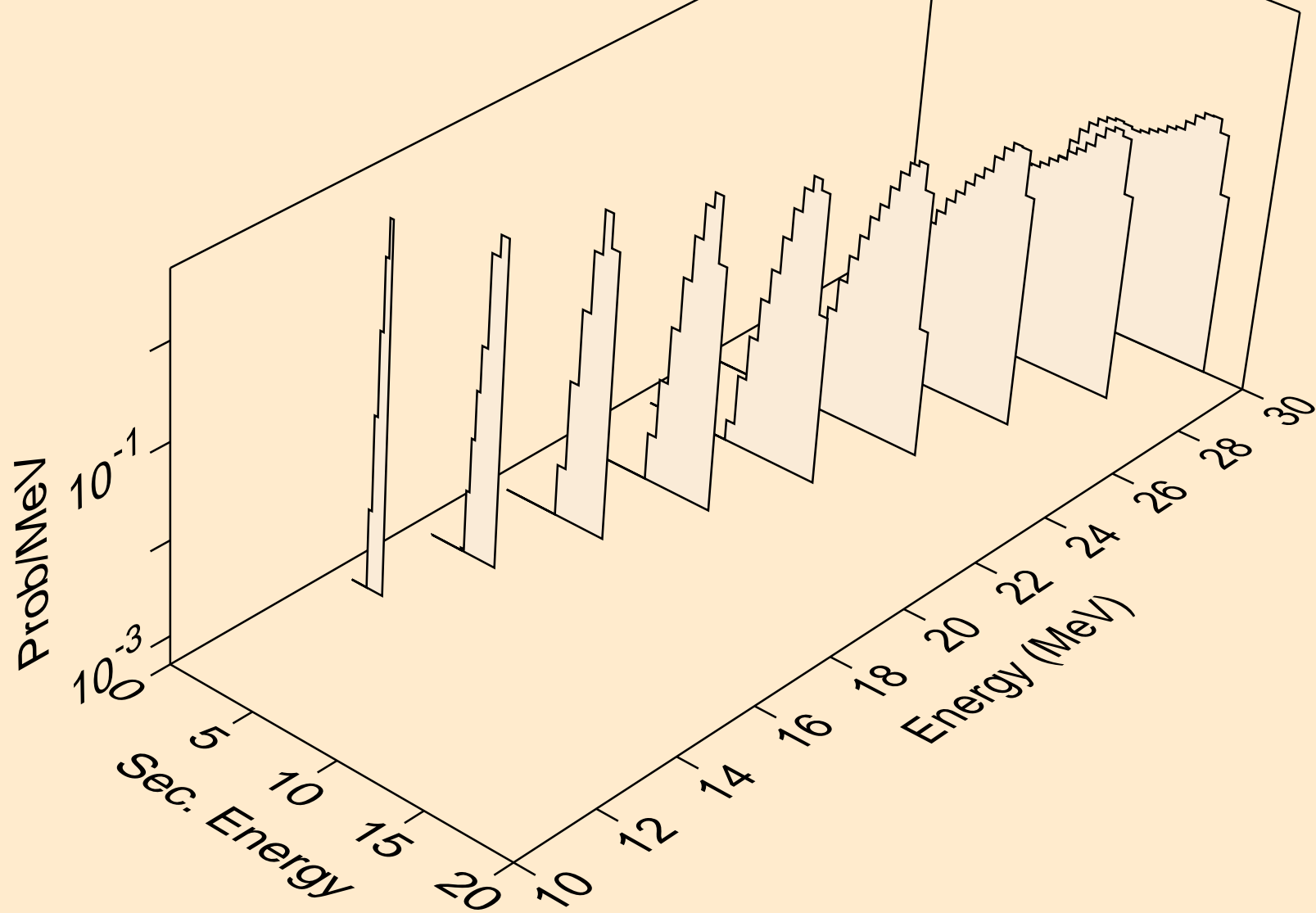
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angular distribution for elastic



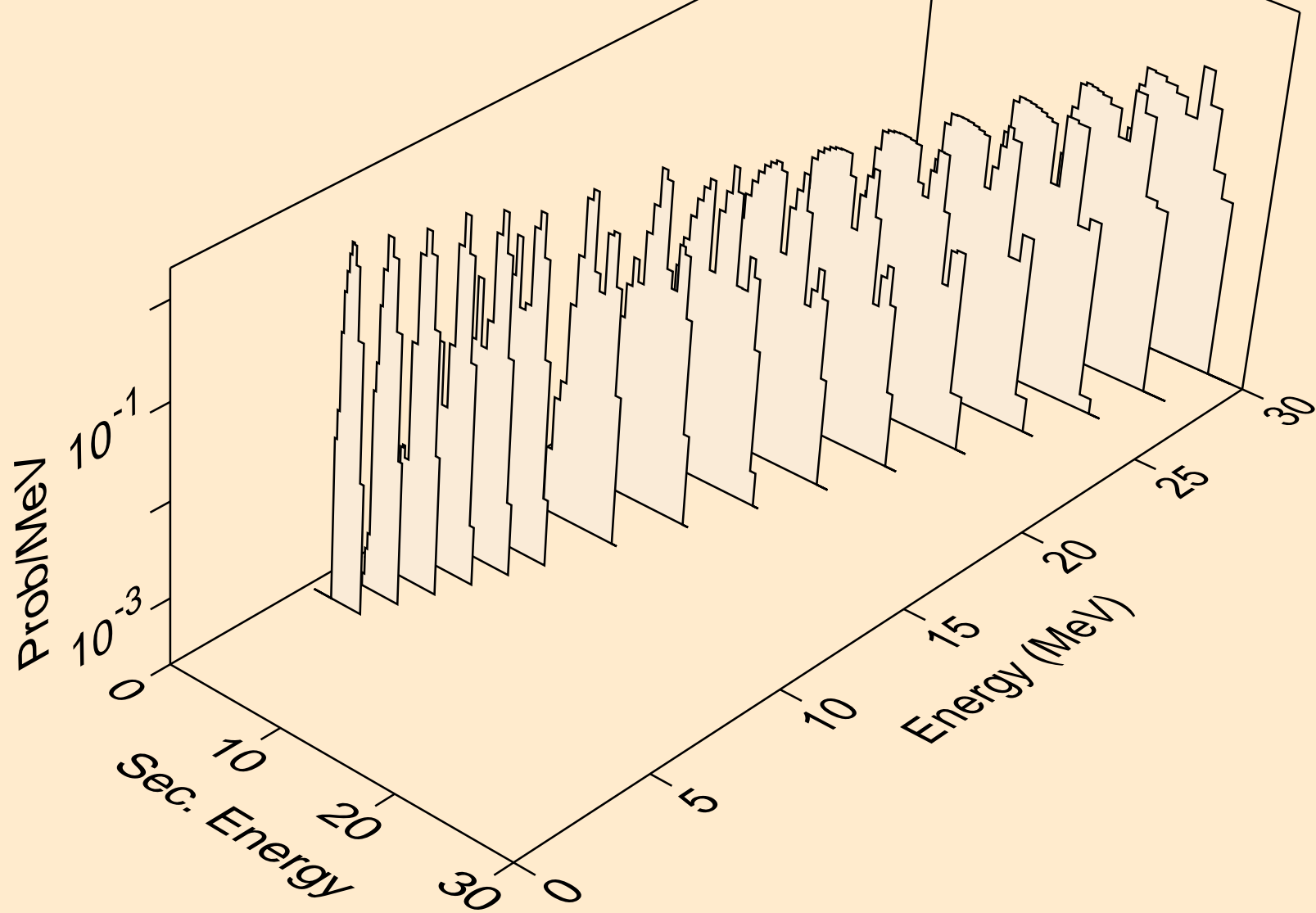
NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,x)



NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

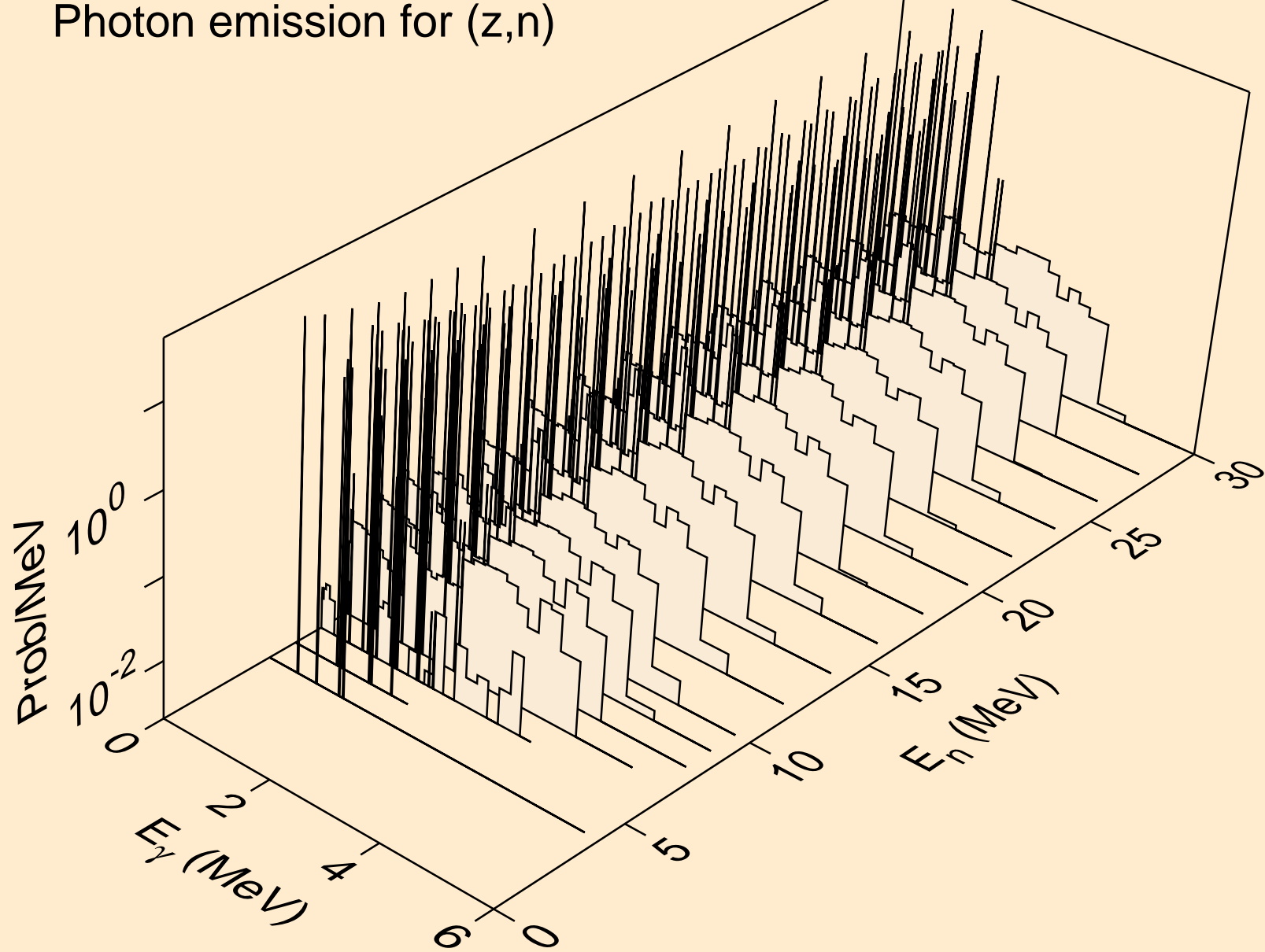


NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for inelastic

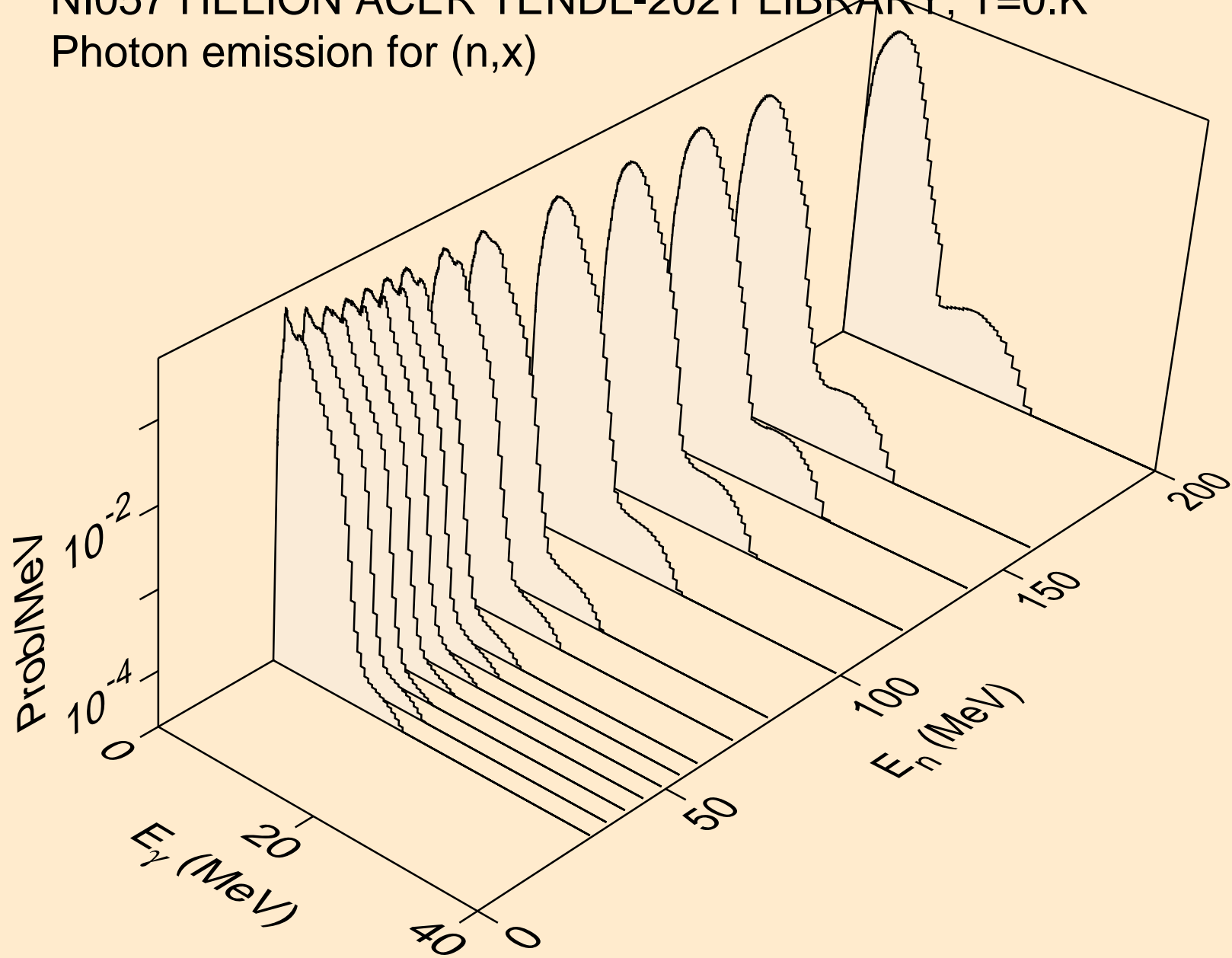




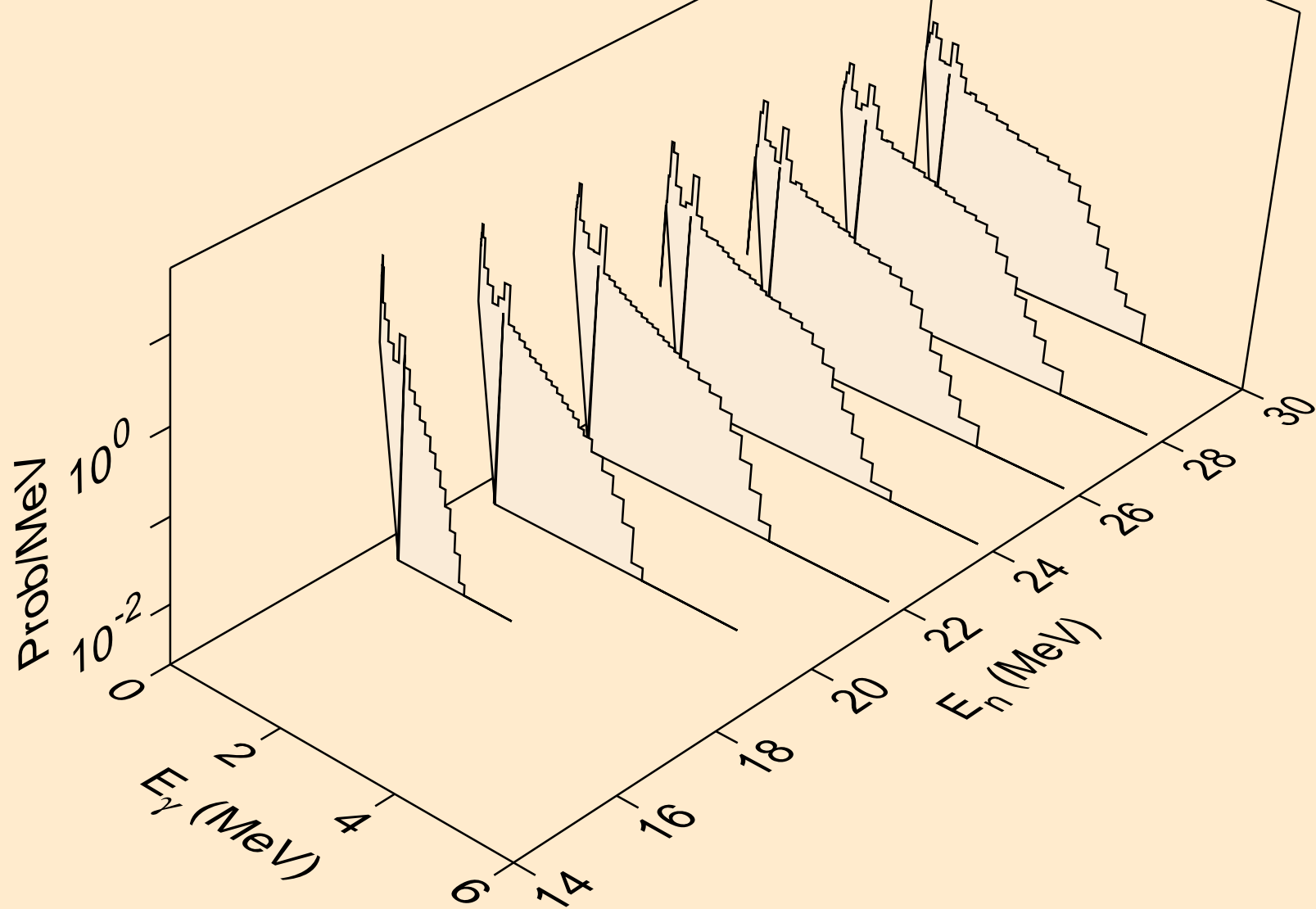
NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



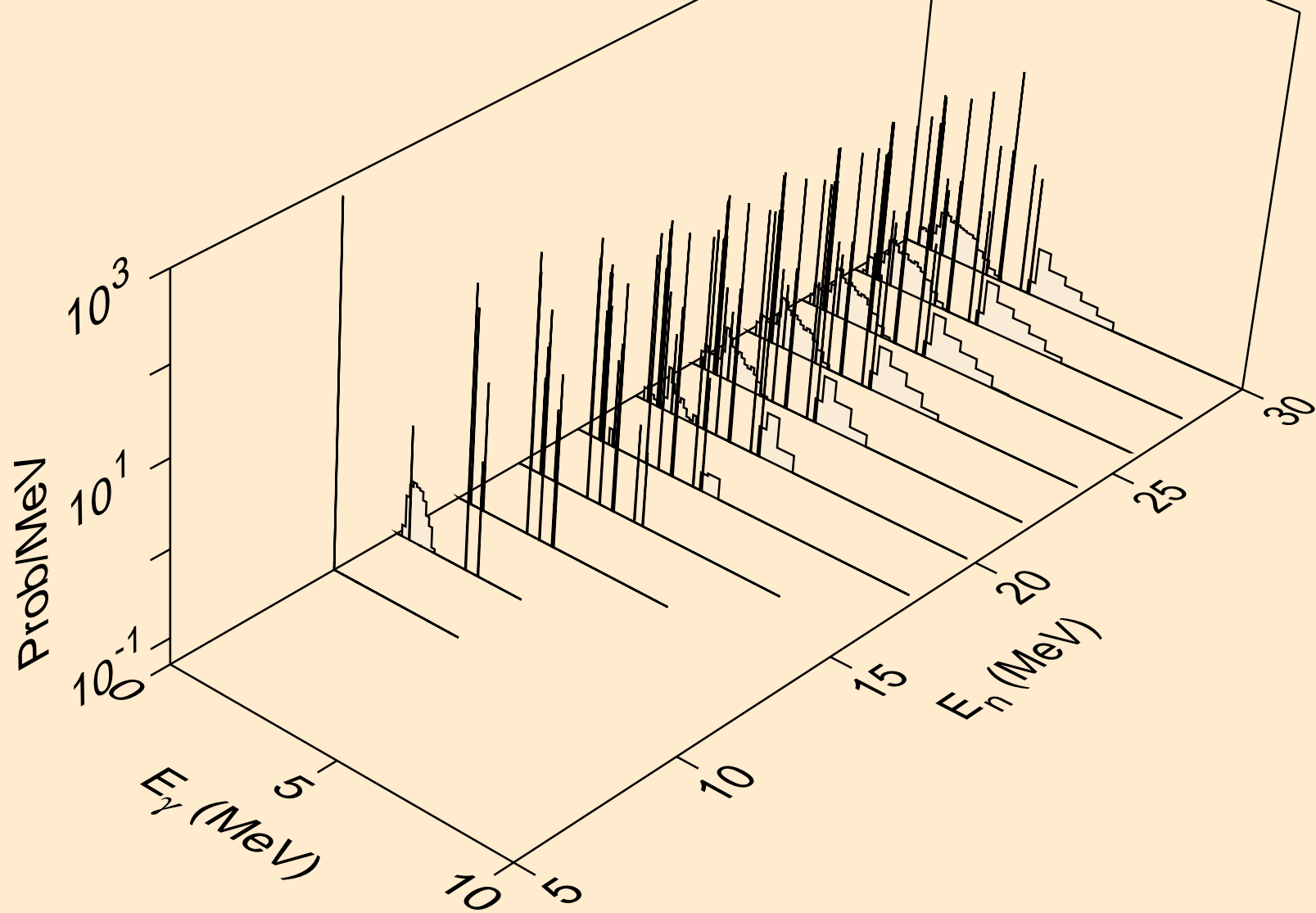
NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



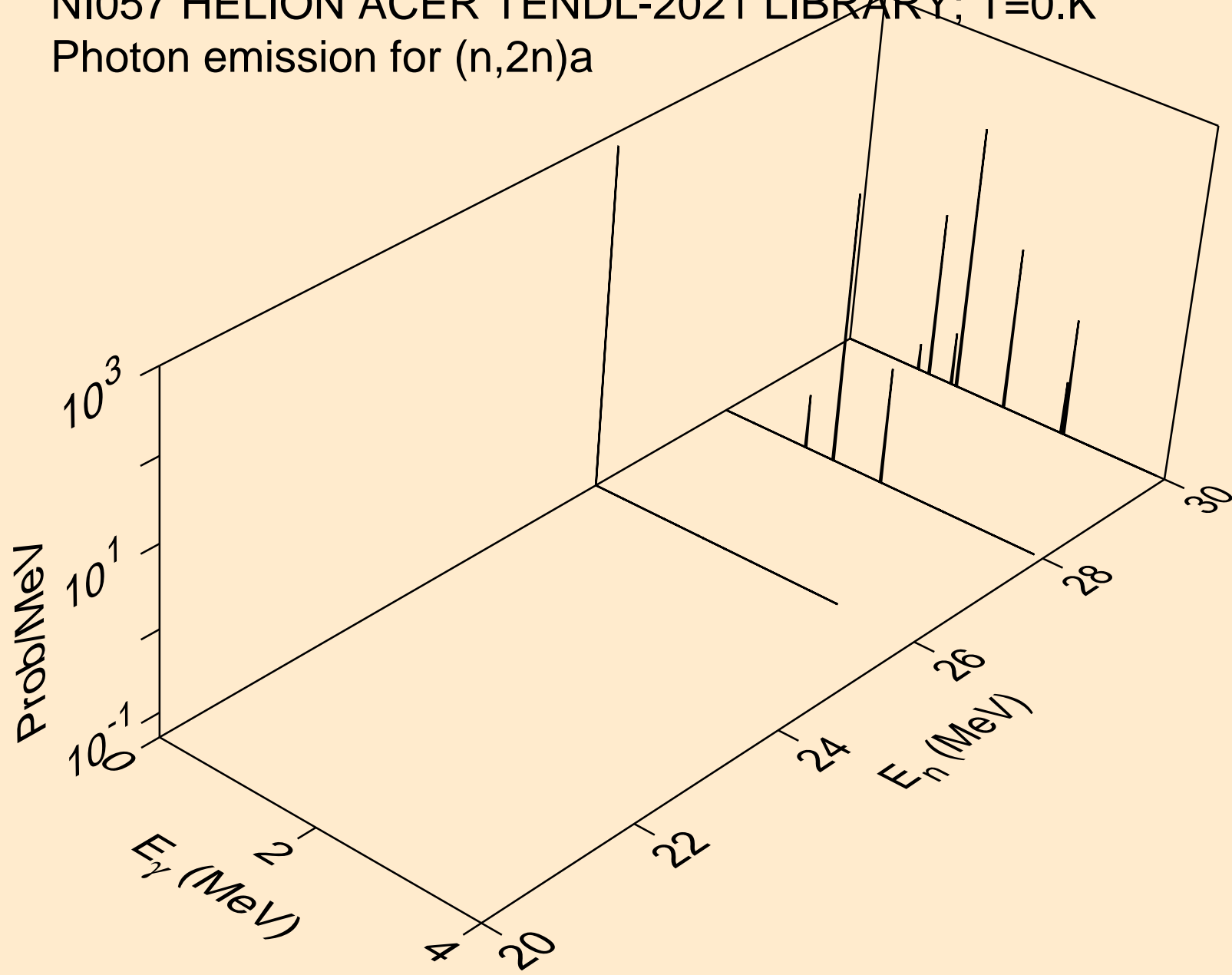
NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)



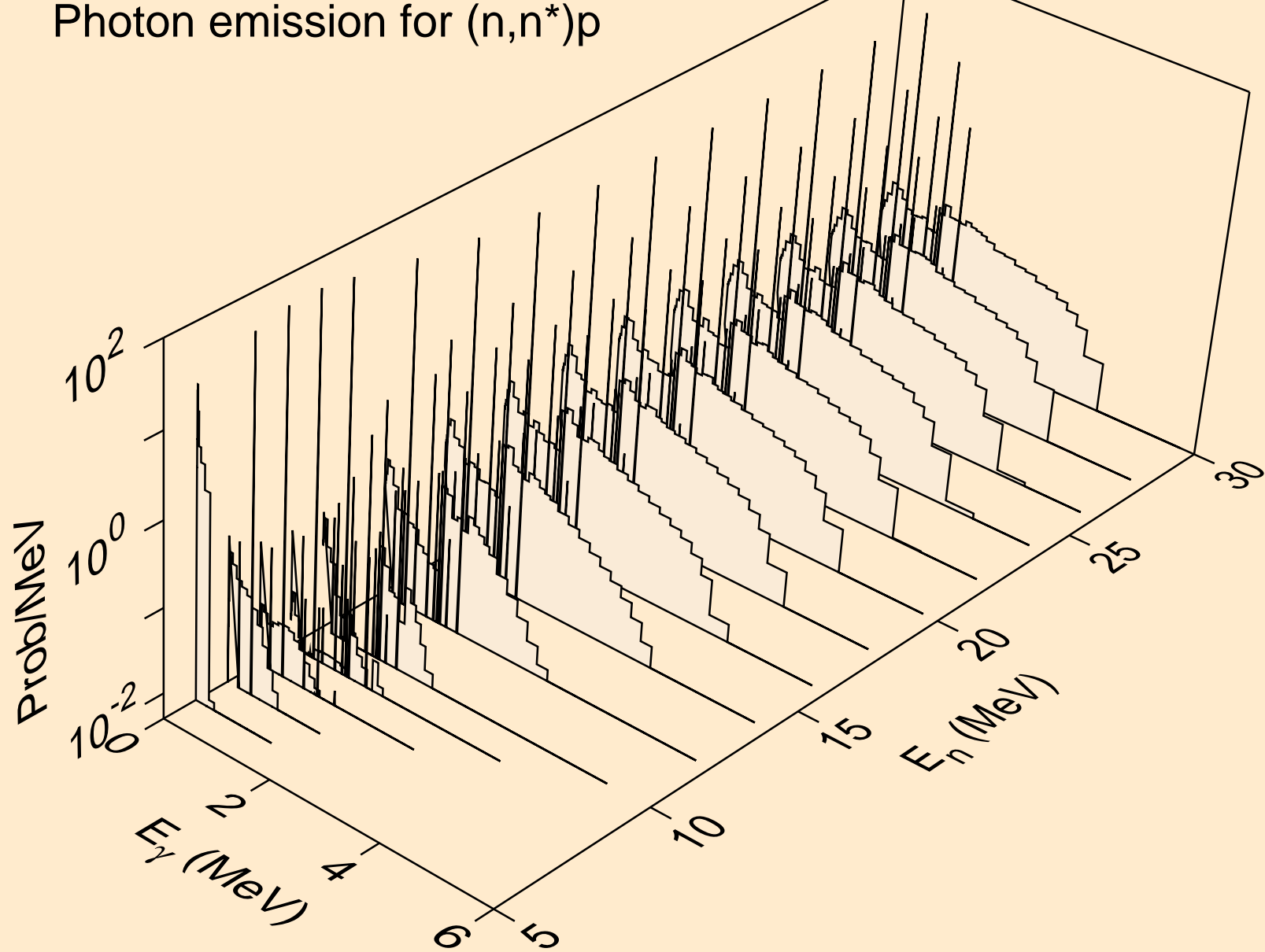
NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



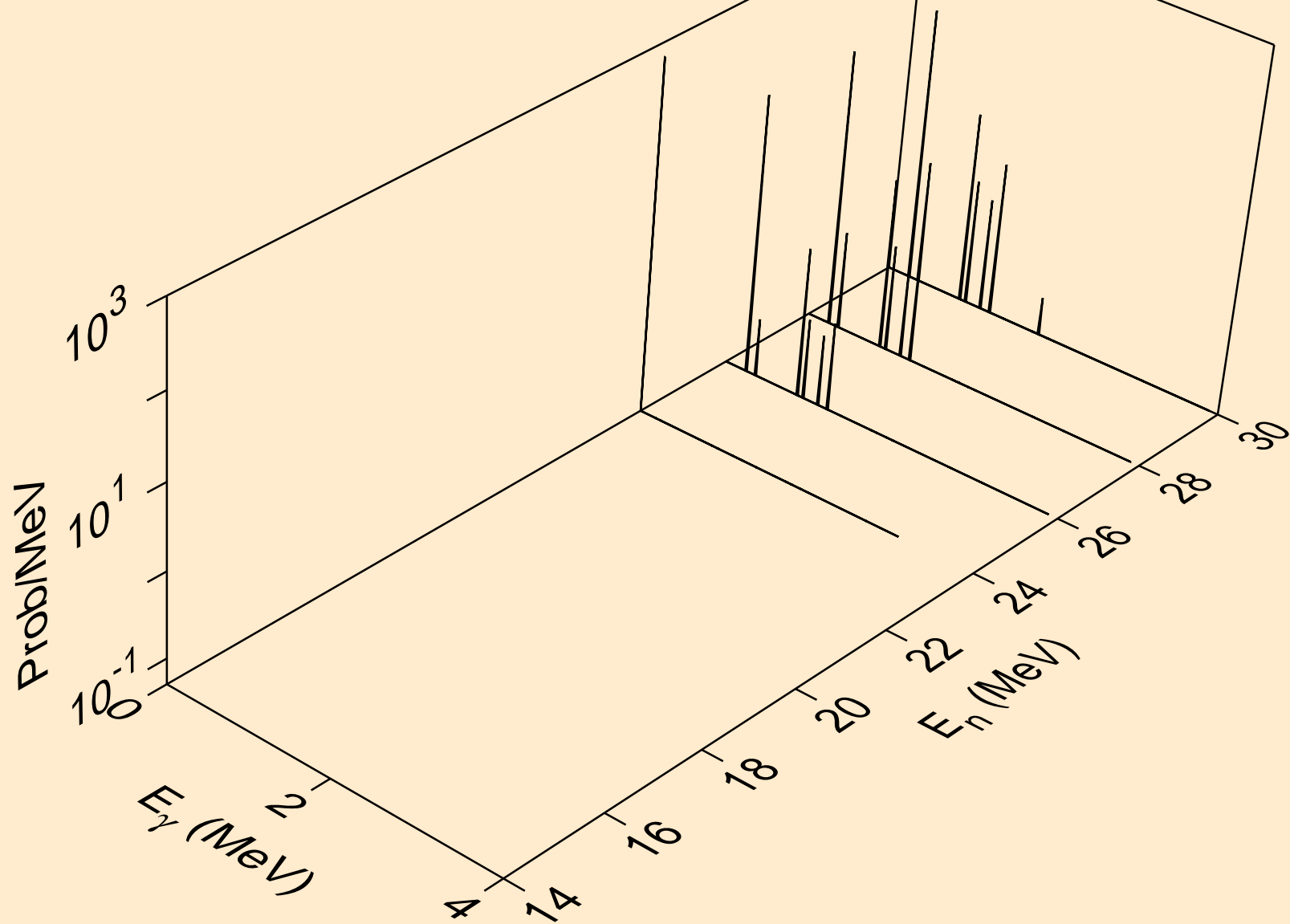
NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)a



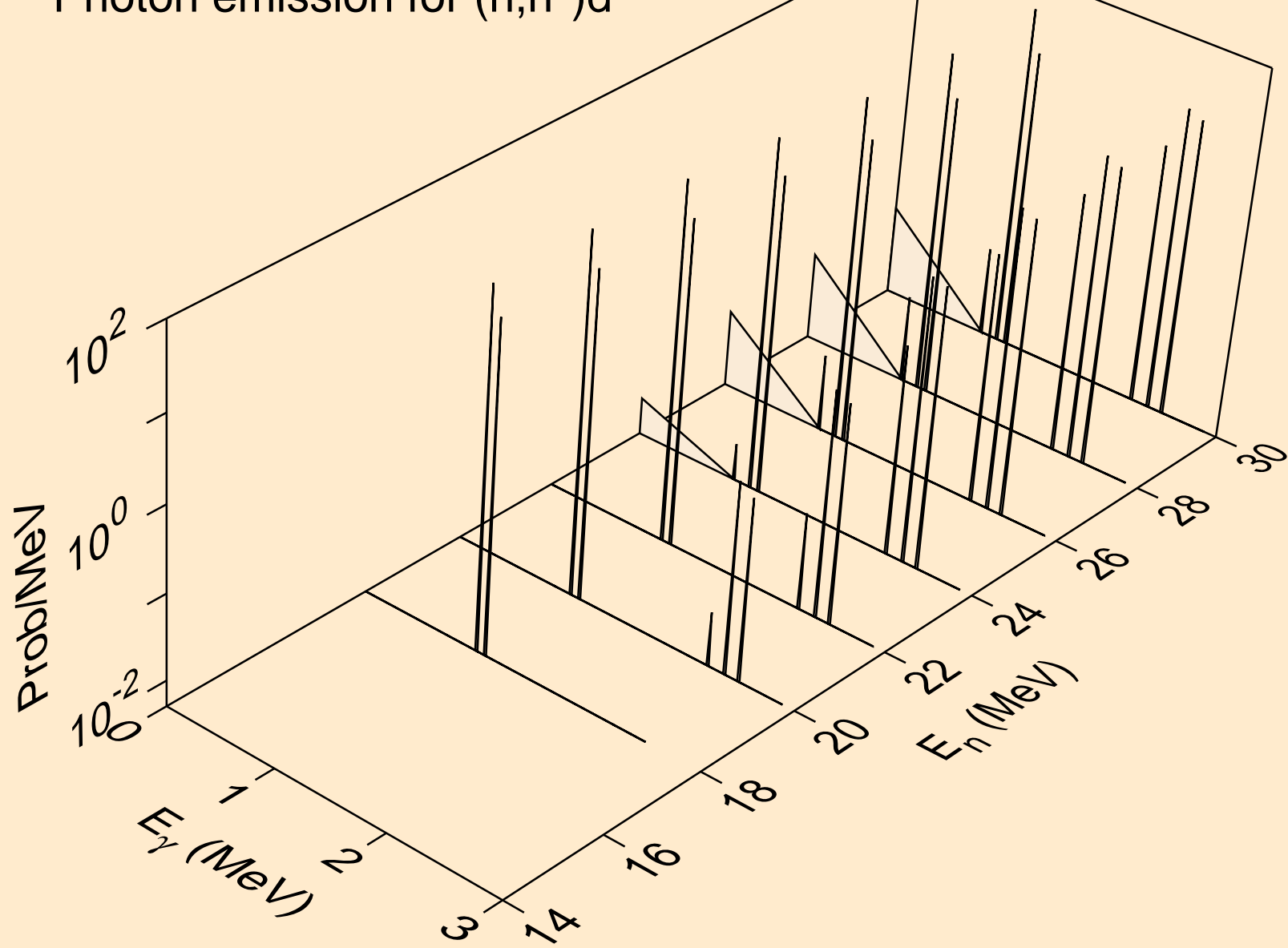
NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

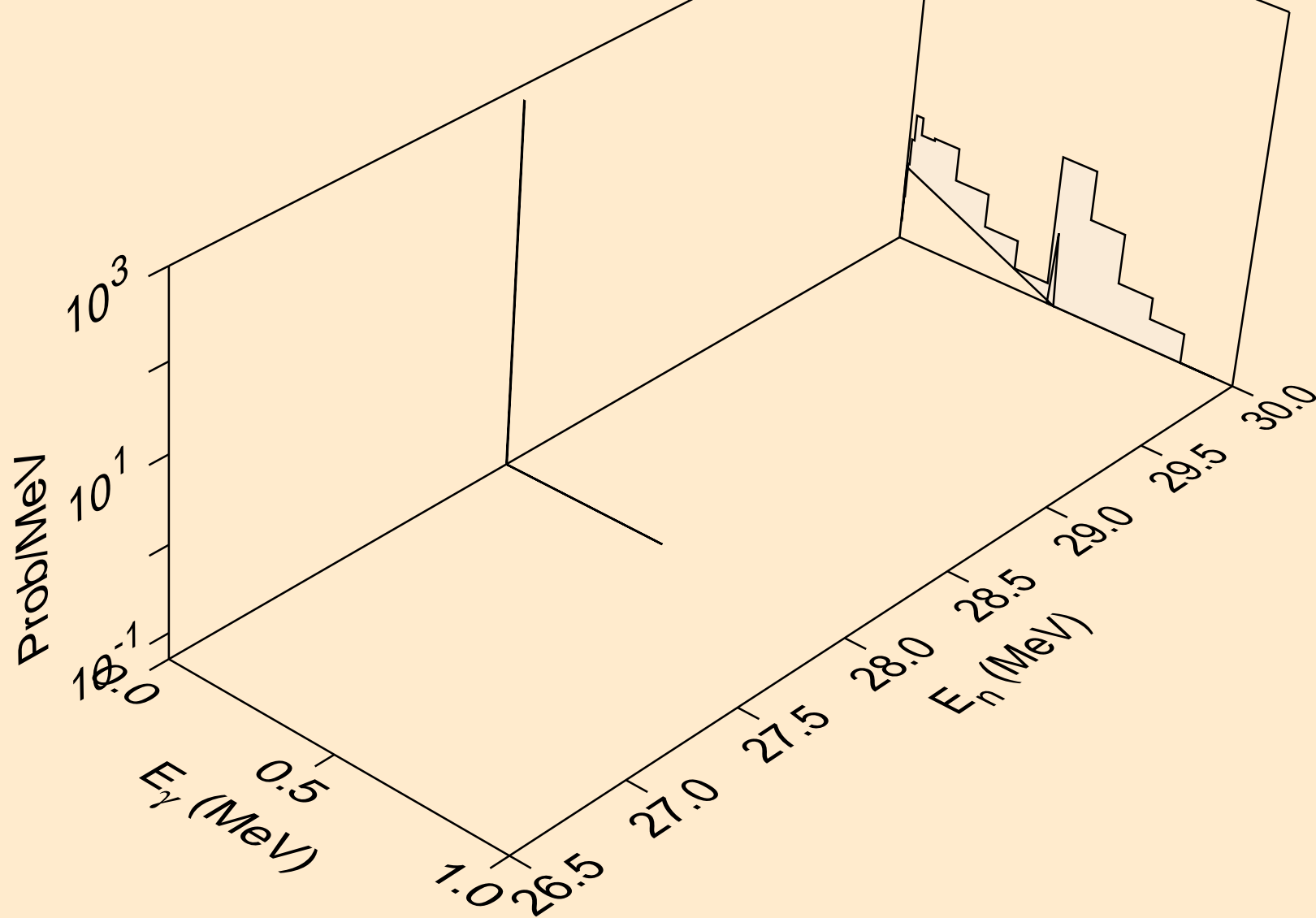


NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

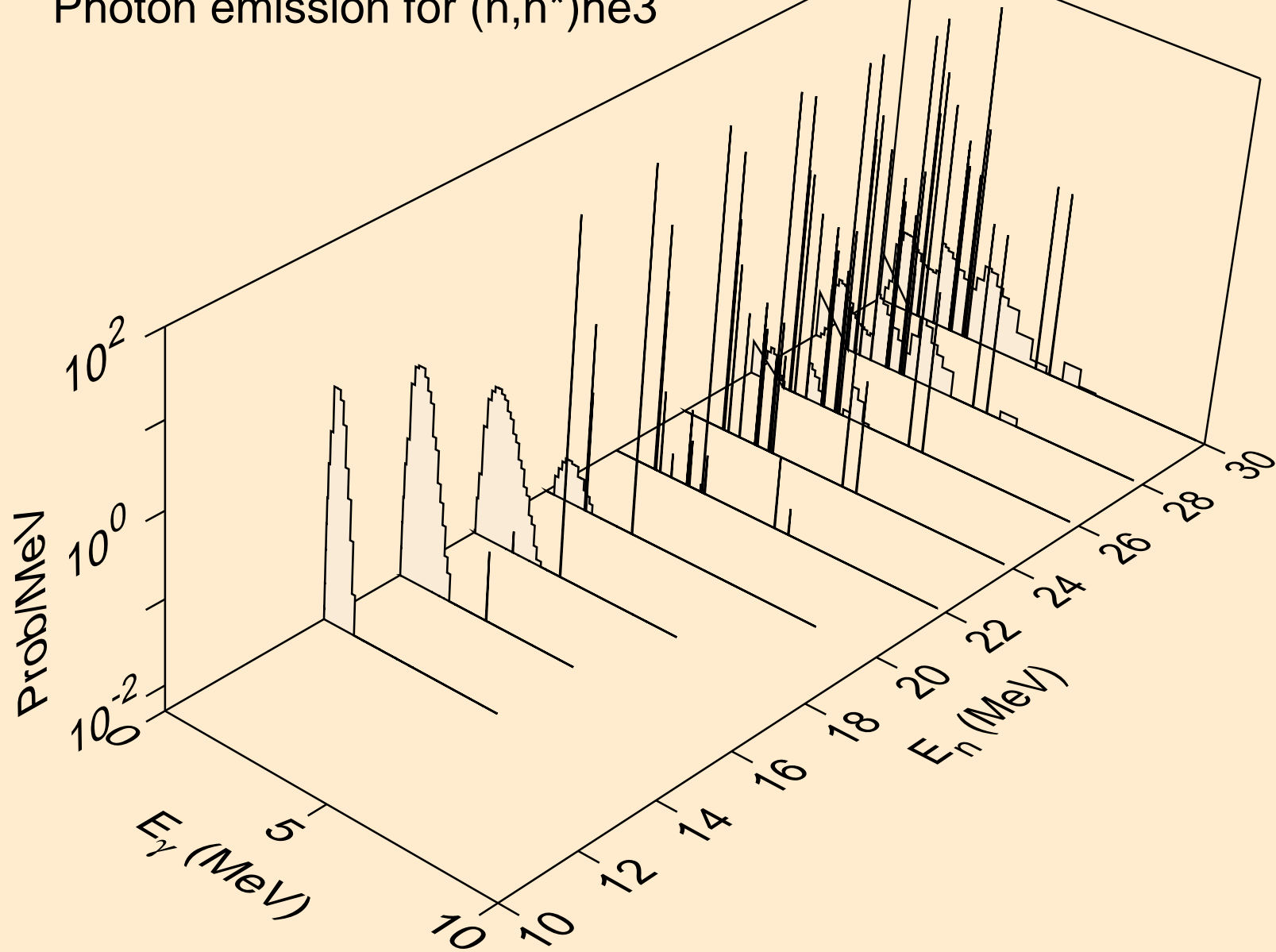




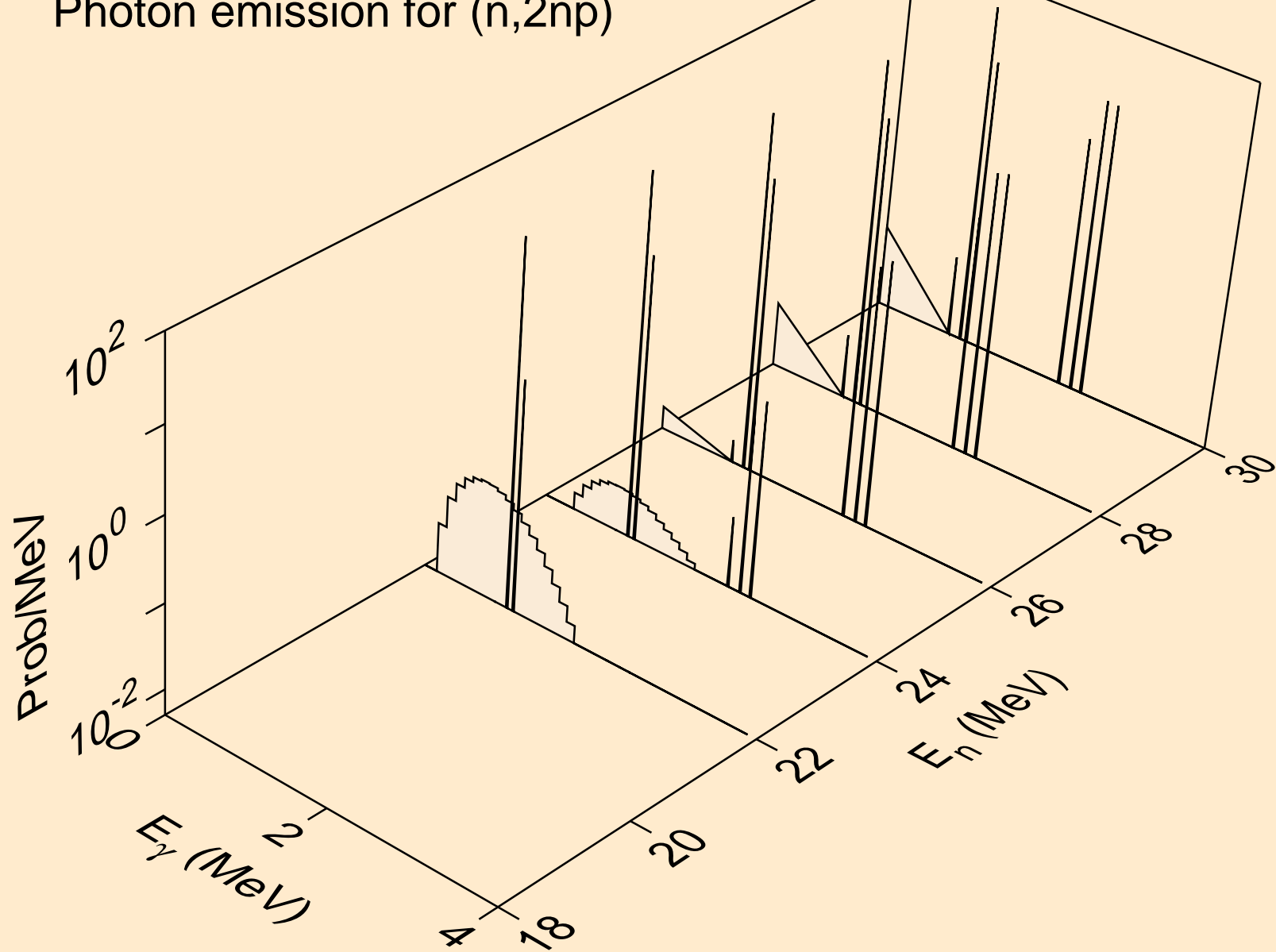
NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



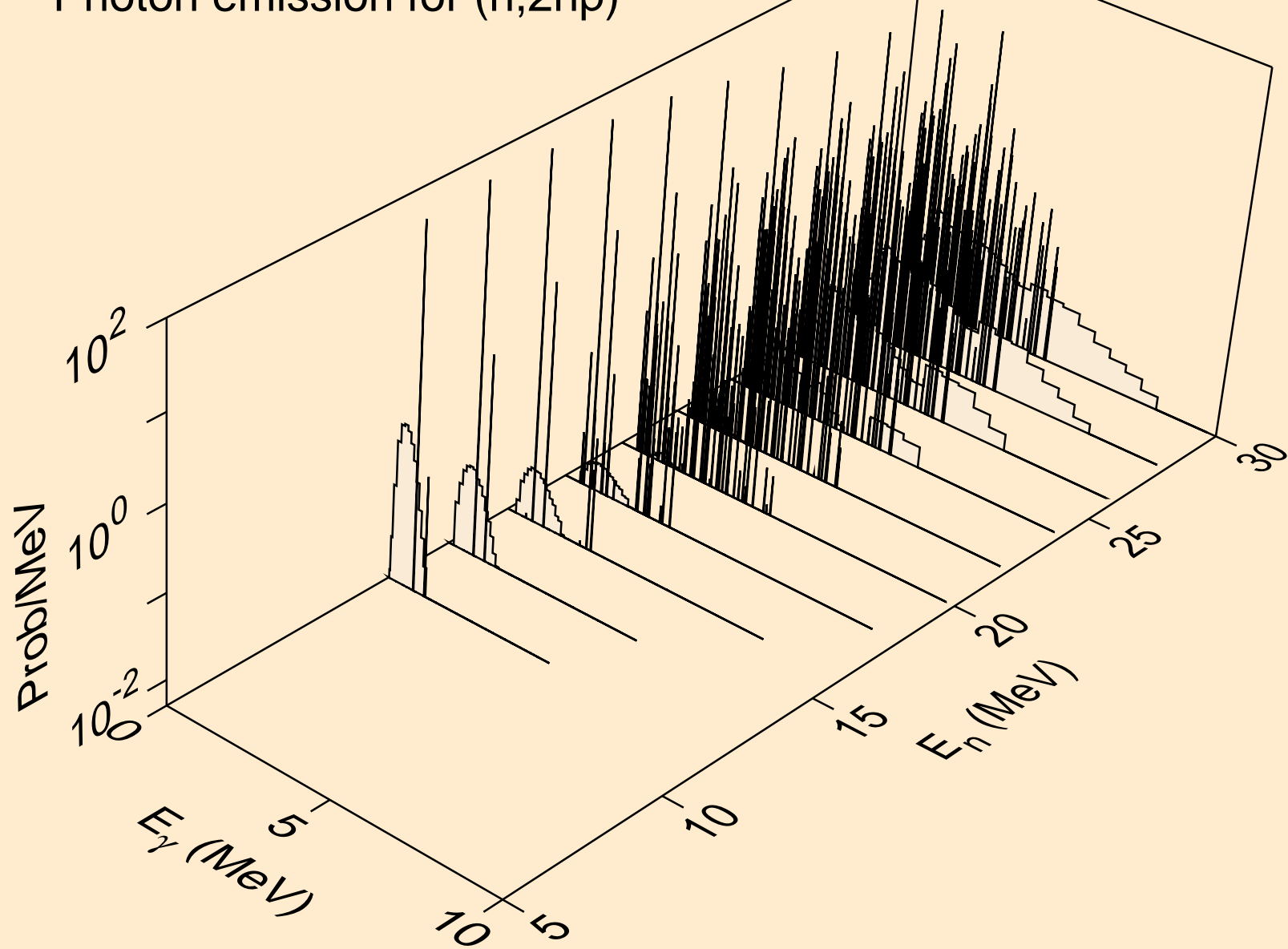
NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



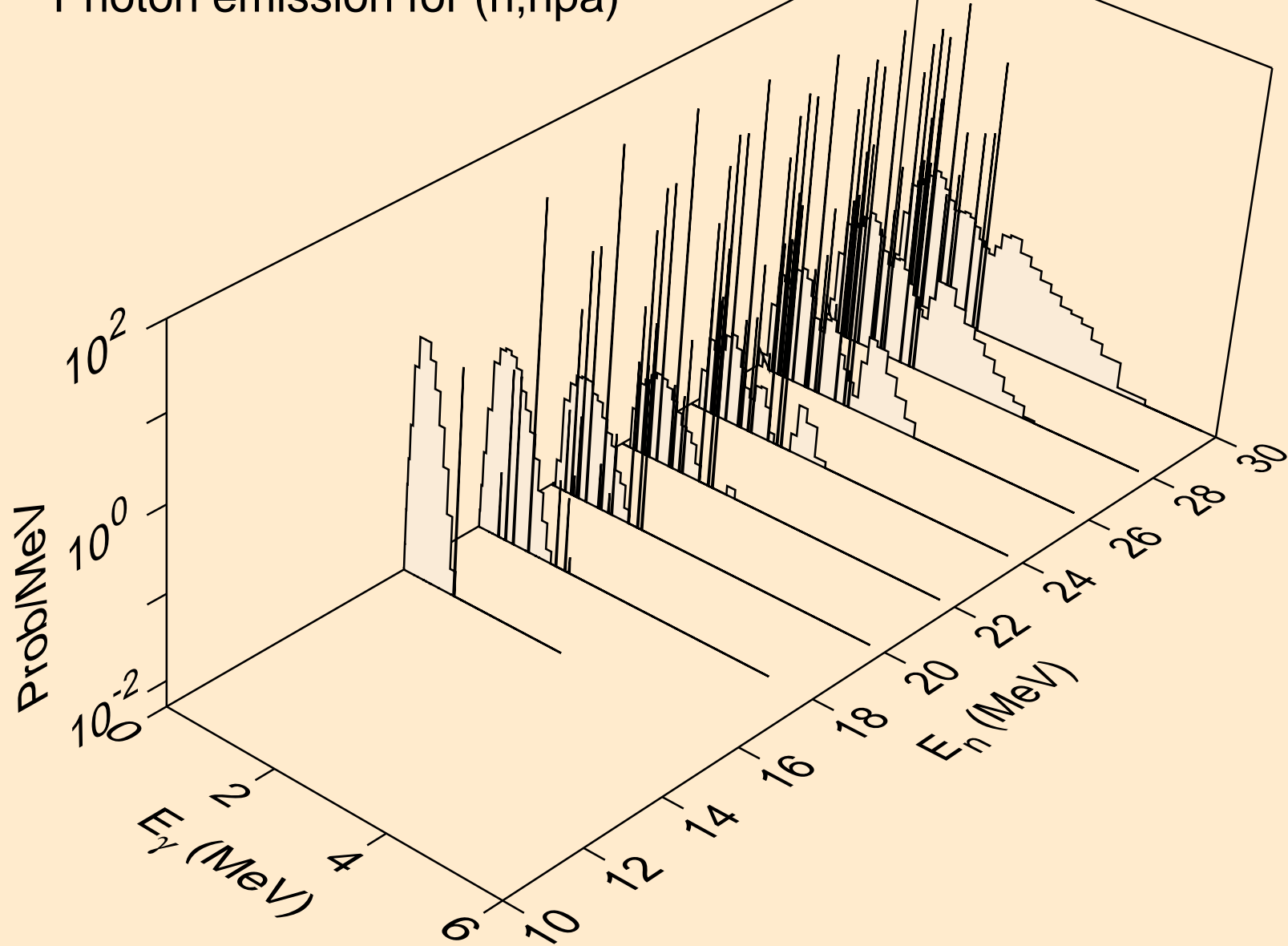
NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



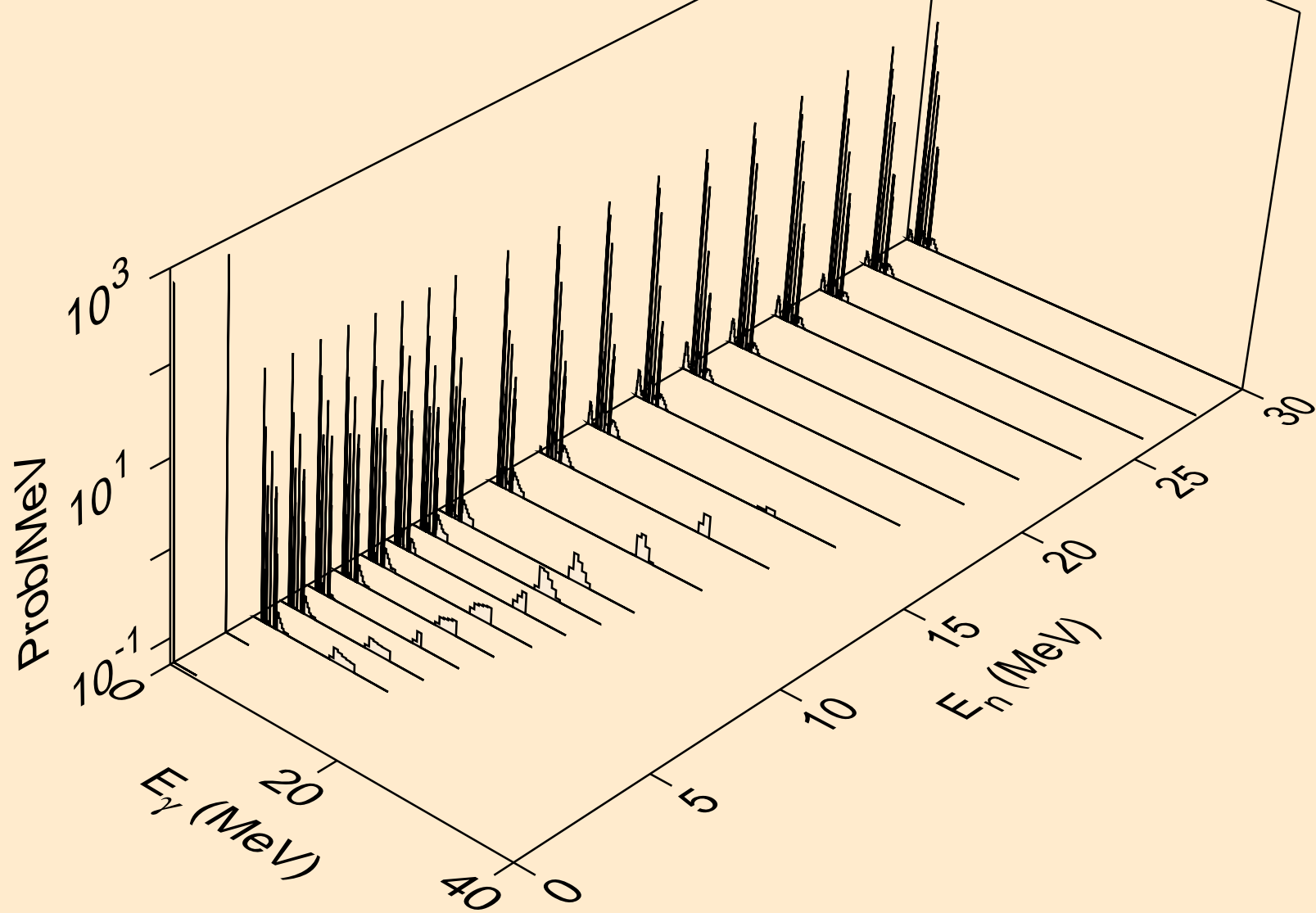
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Photon emission for (n,2np)



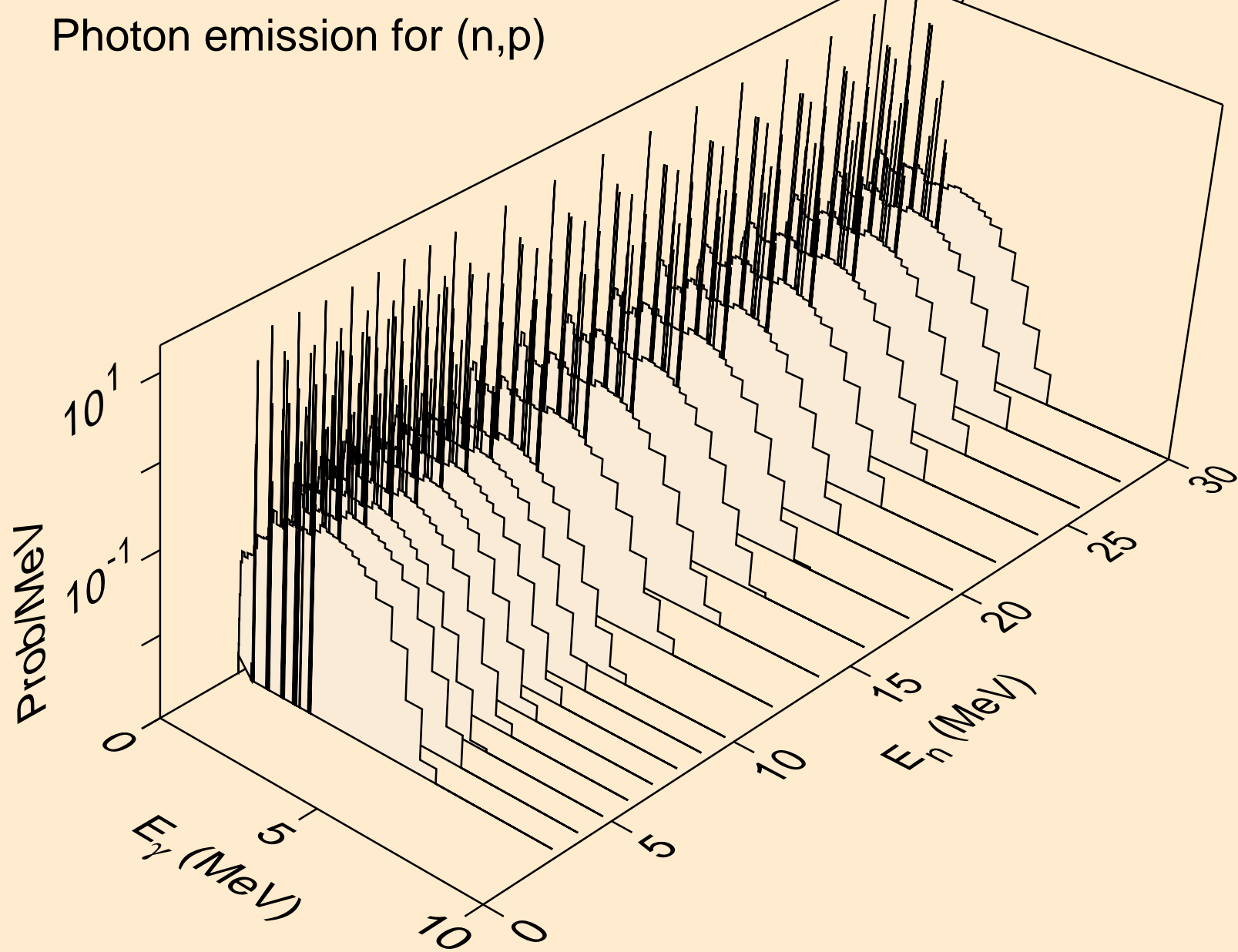
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Photon emission for (n,npa)



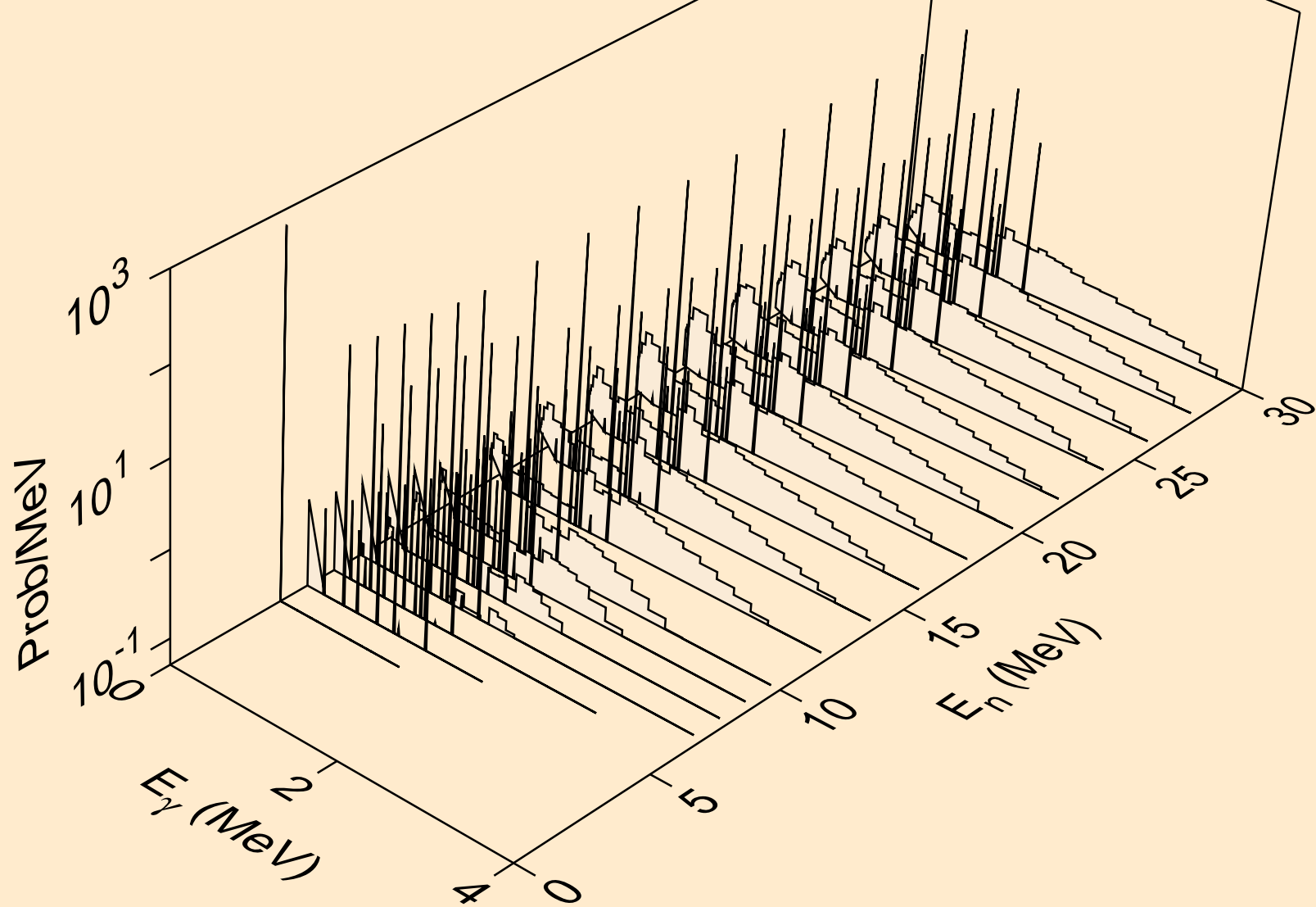
NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,gma)



NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,p)

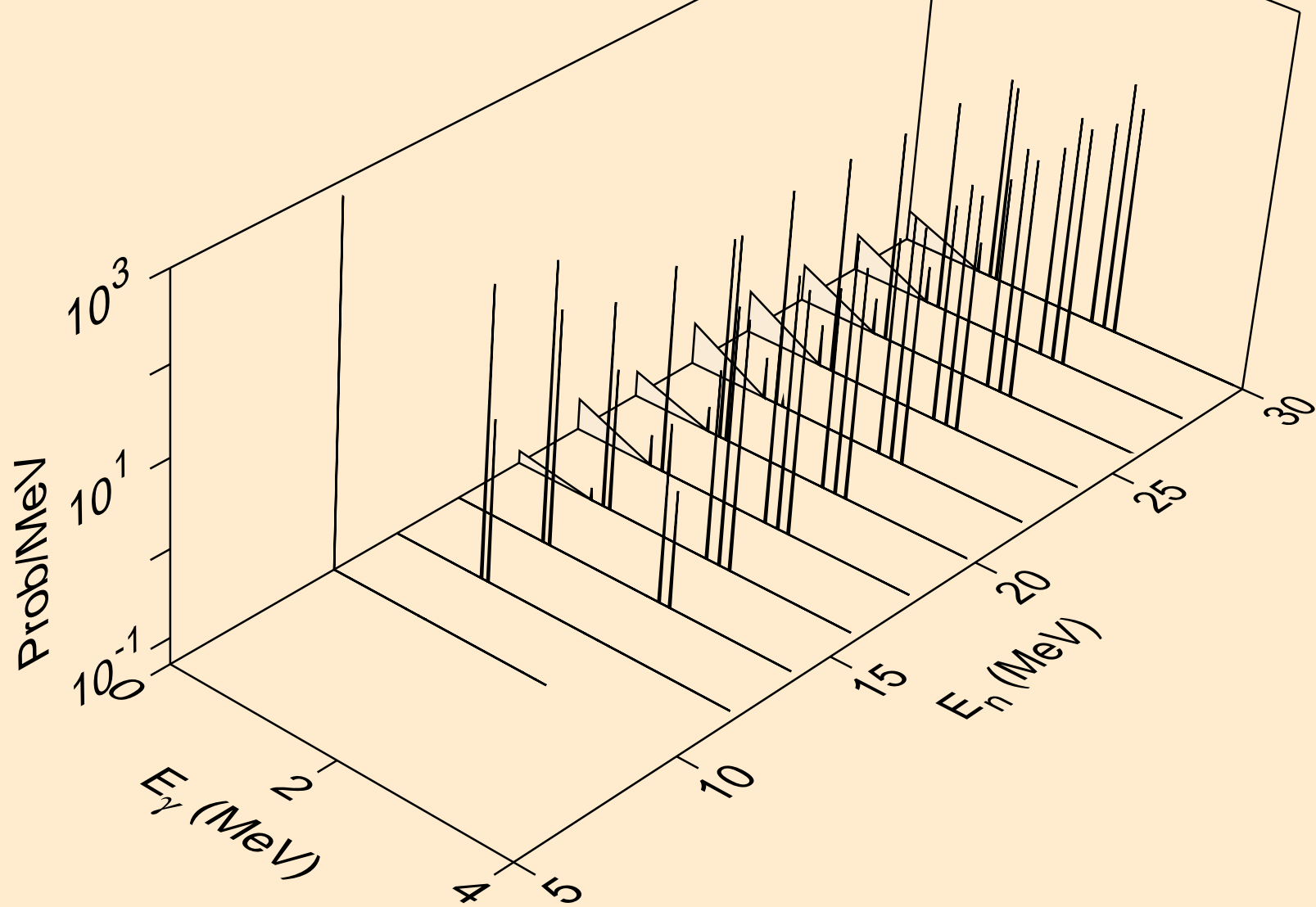


NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,d)

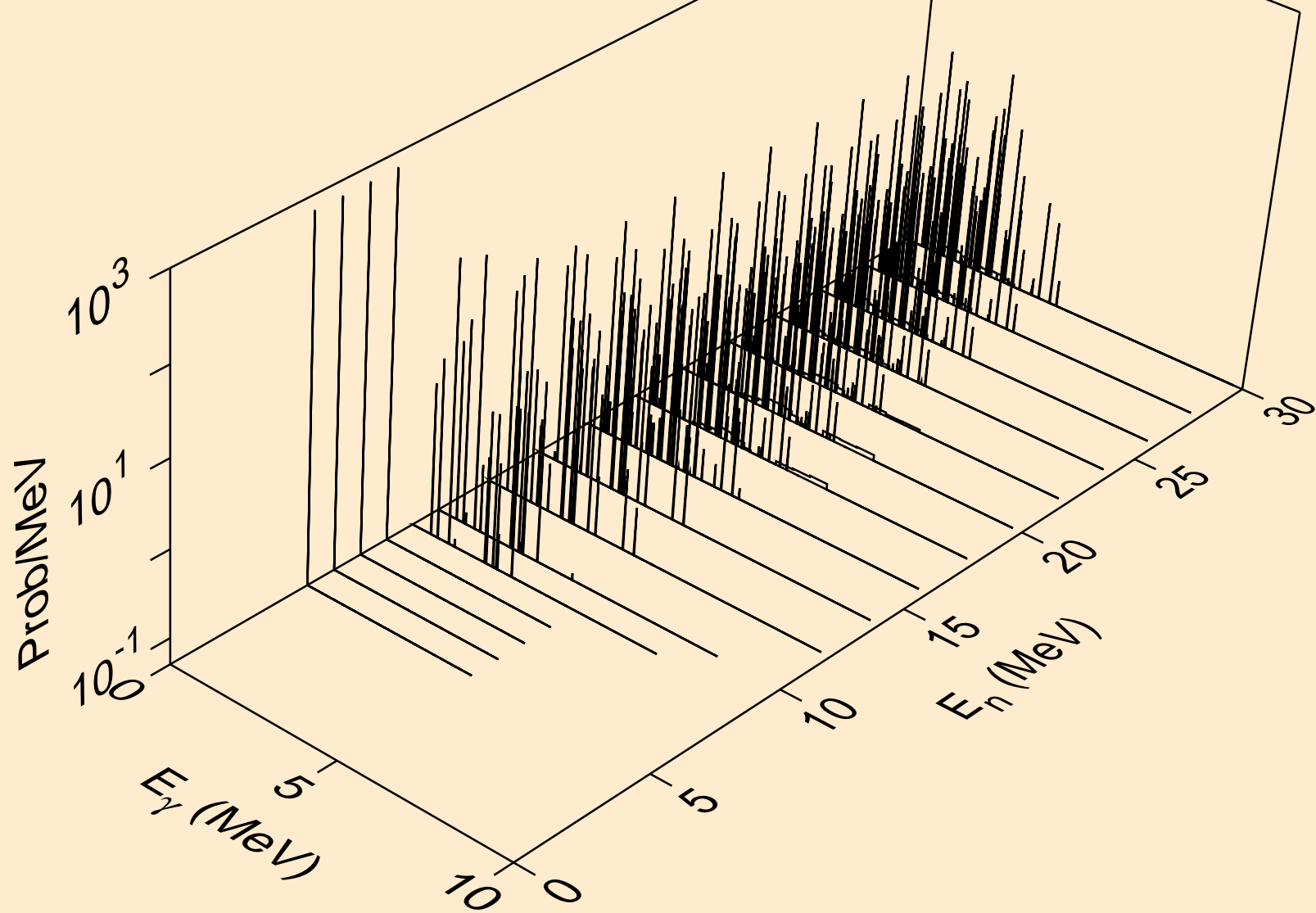




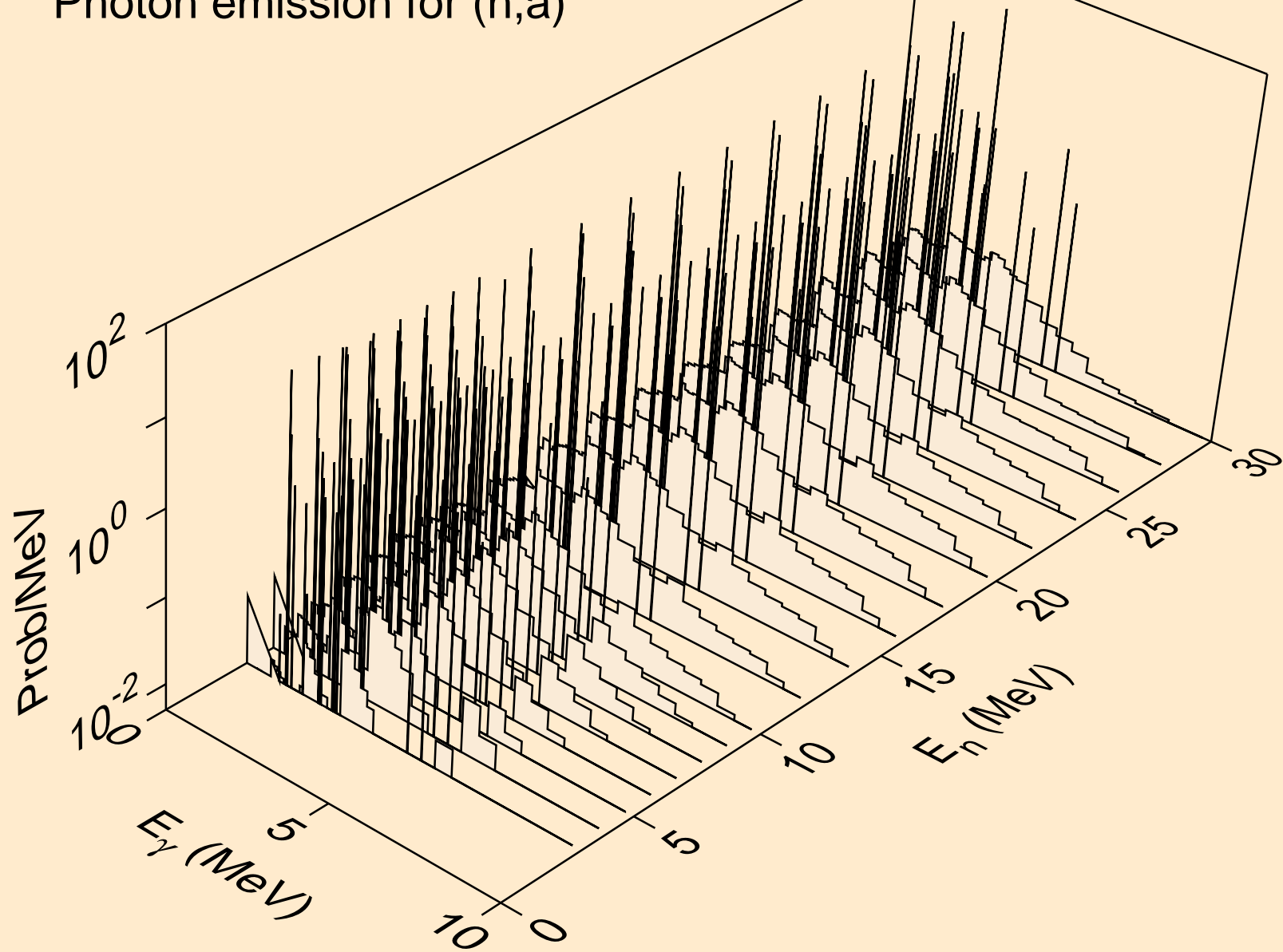
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Photon emission for (n,t)



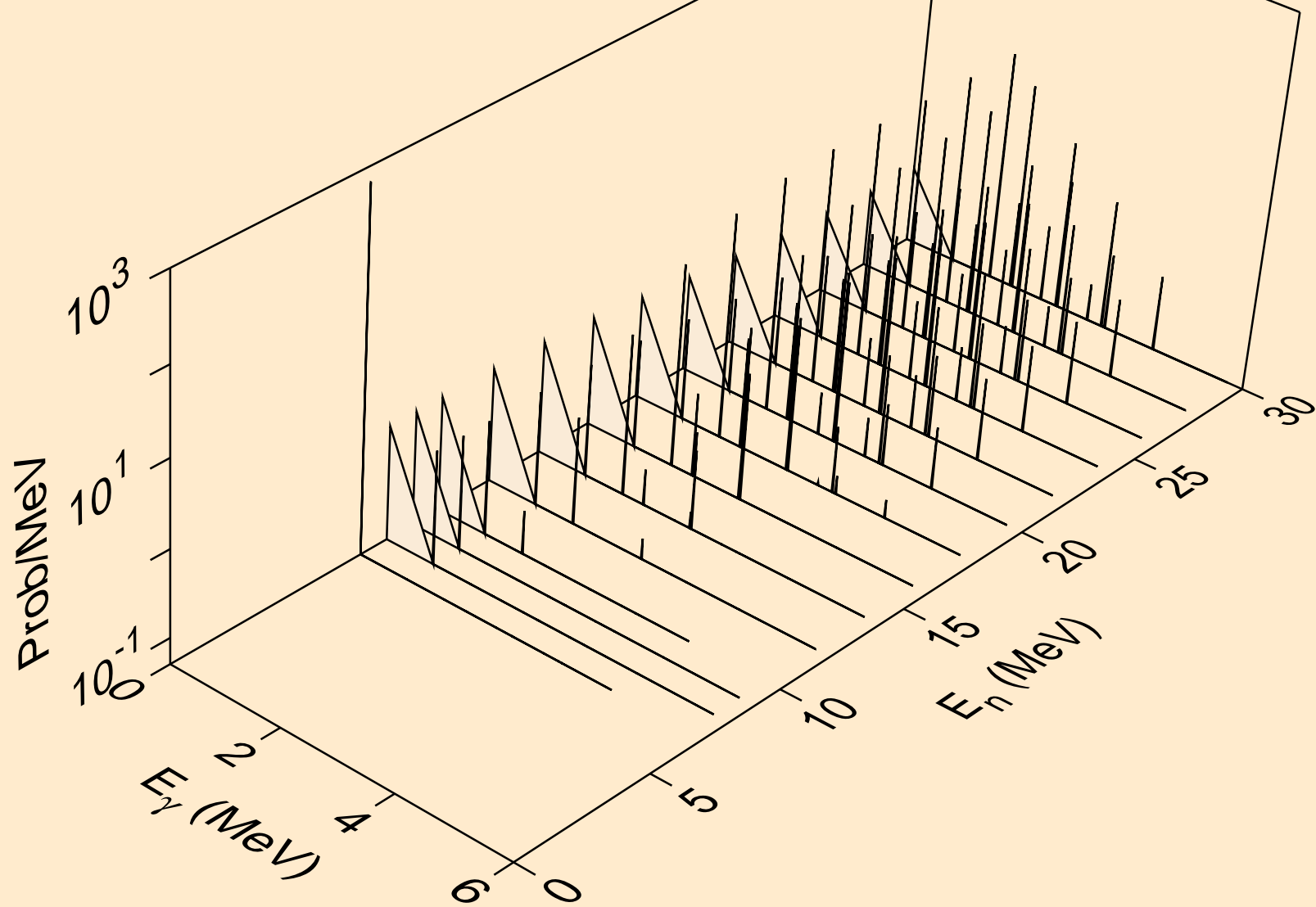
NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



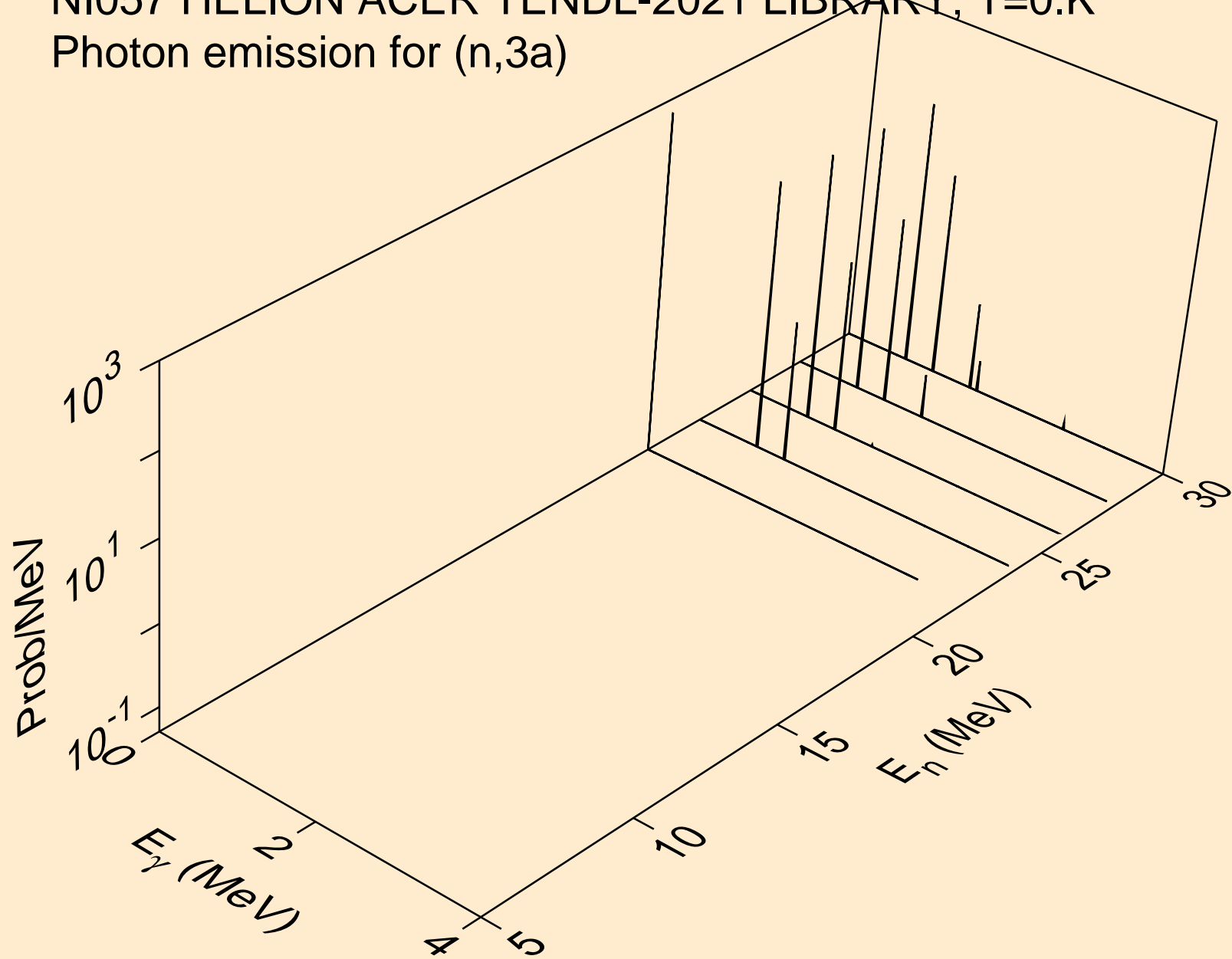
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Photon emission for (n,a)



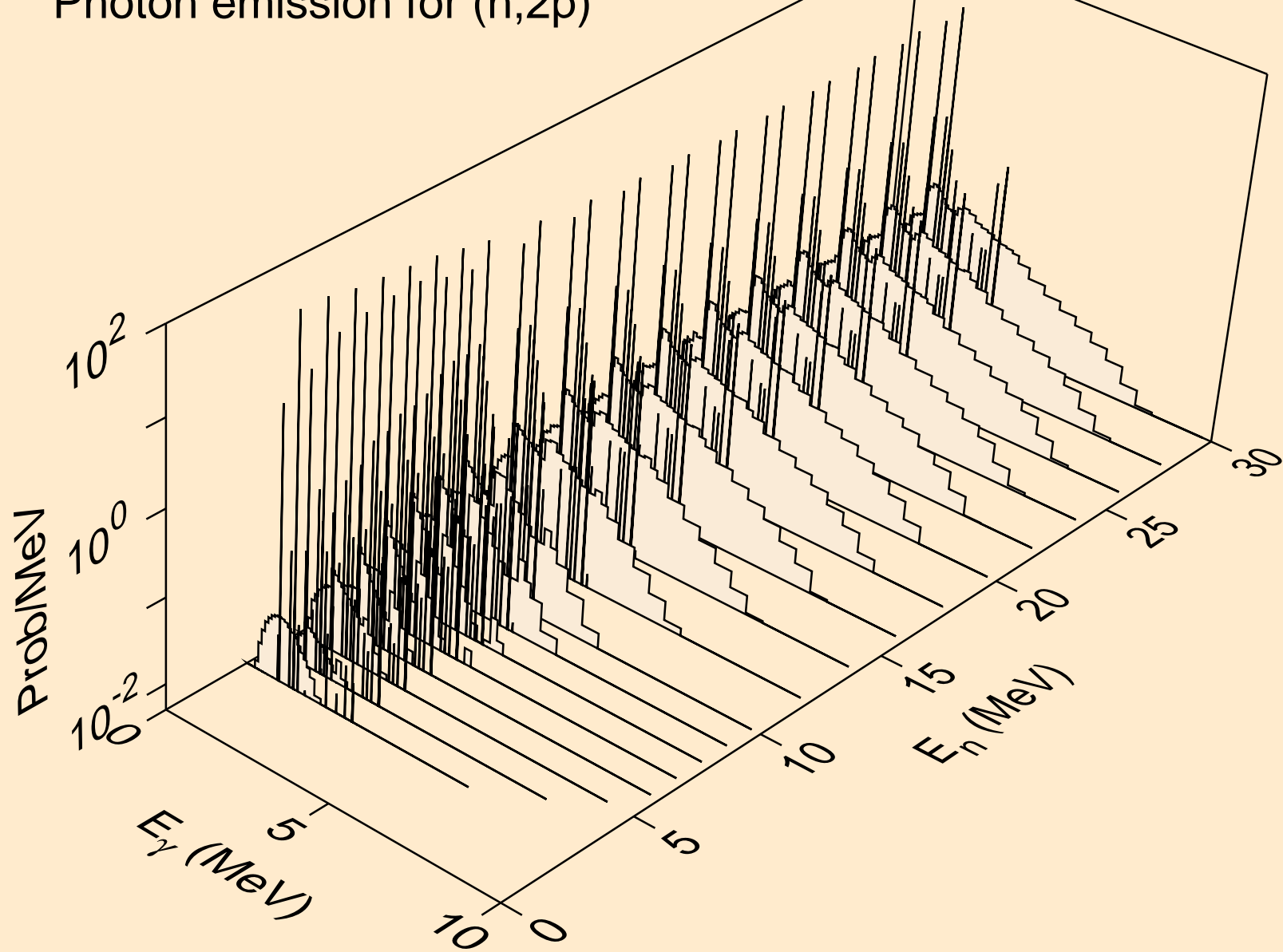
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Photon emission for (n,2a)



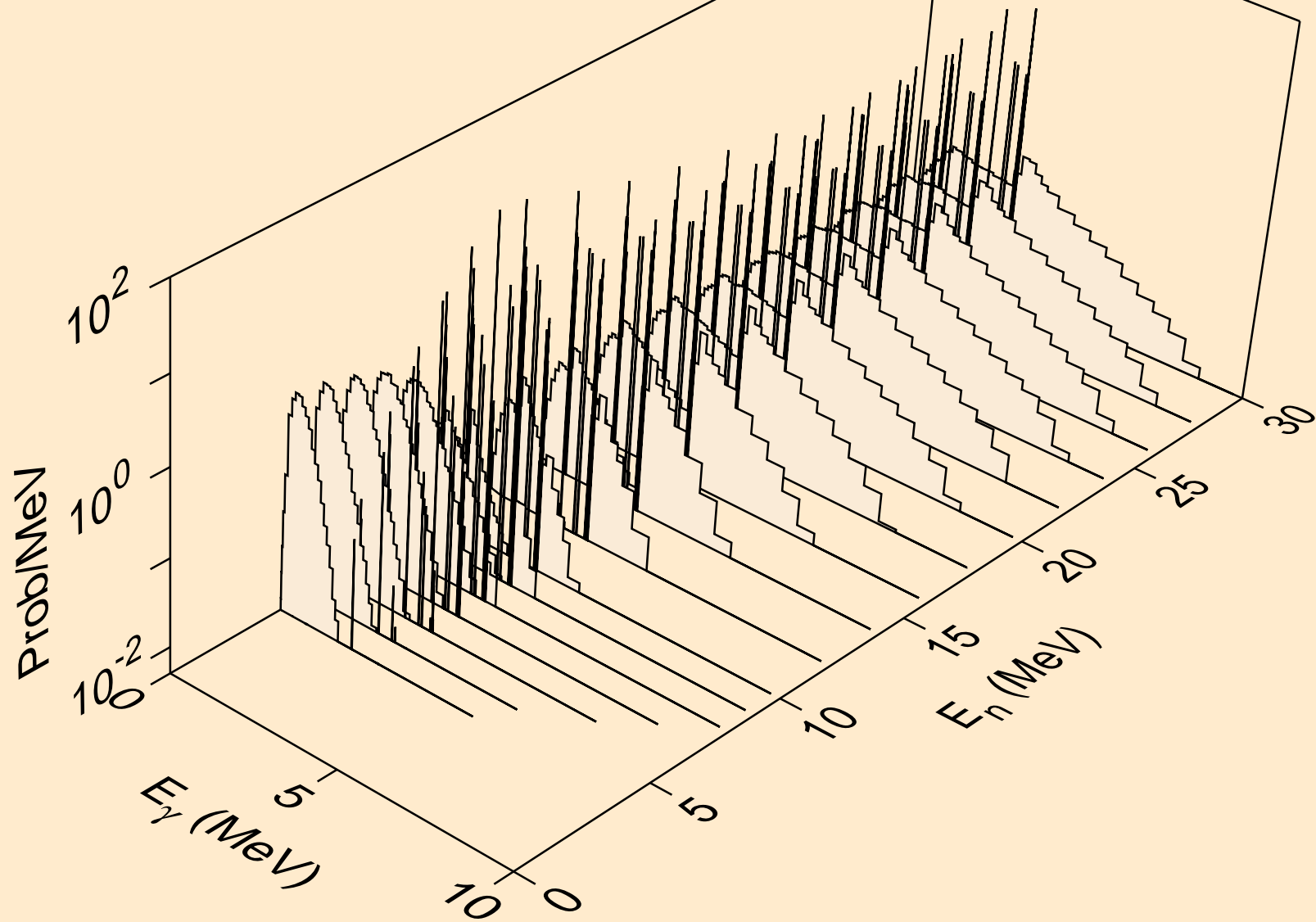
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Photon emission for (n,3a)



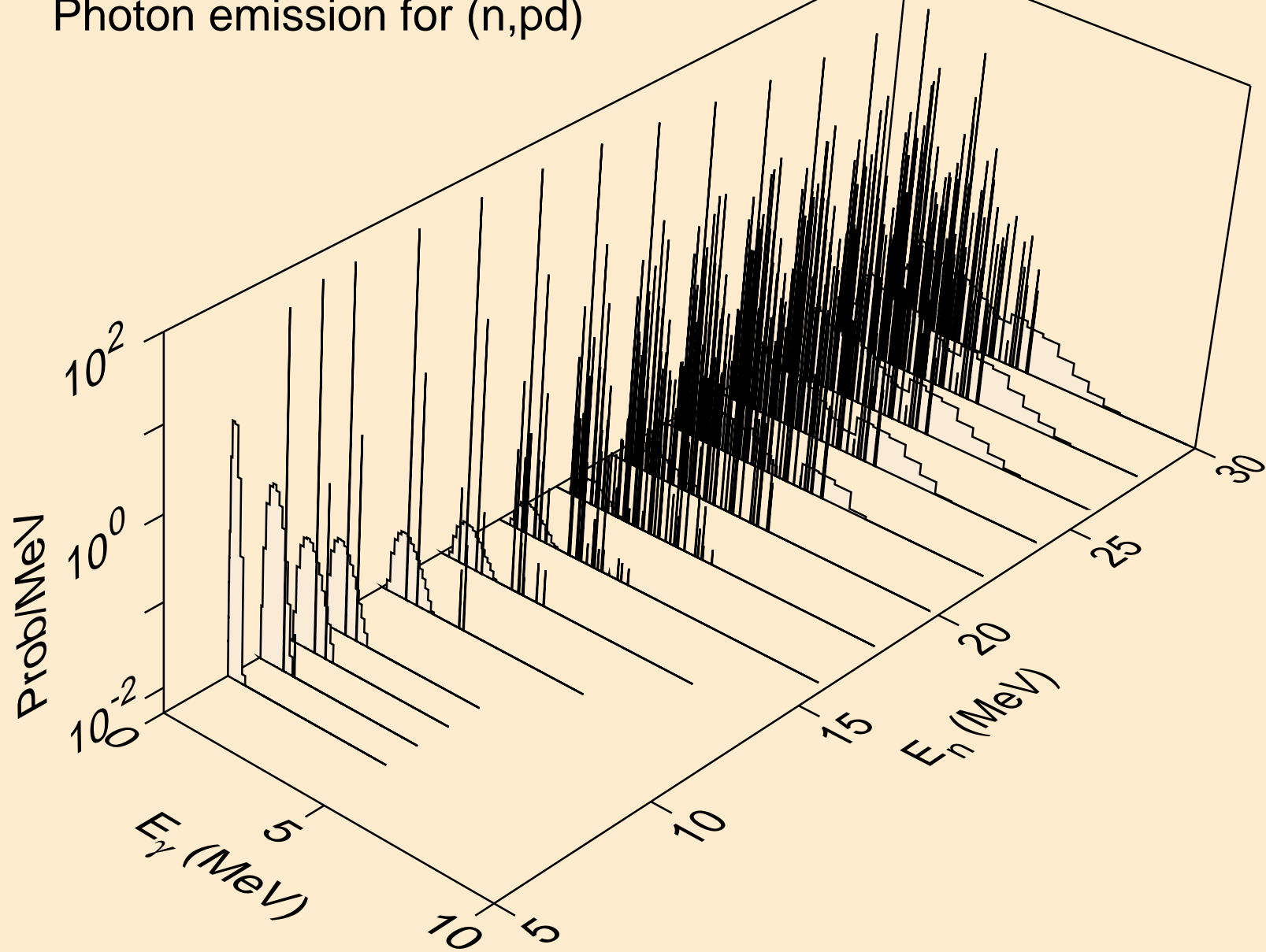
NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)



NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pa)

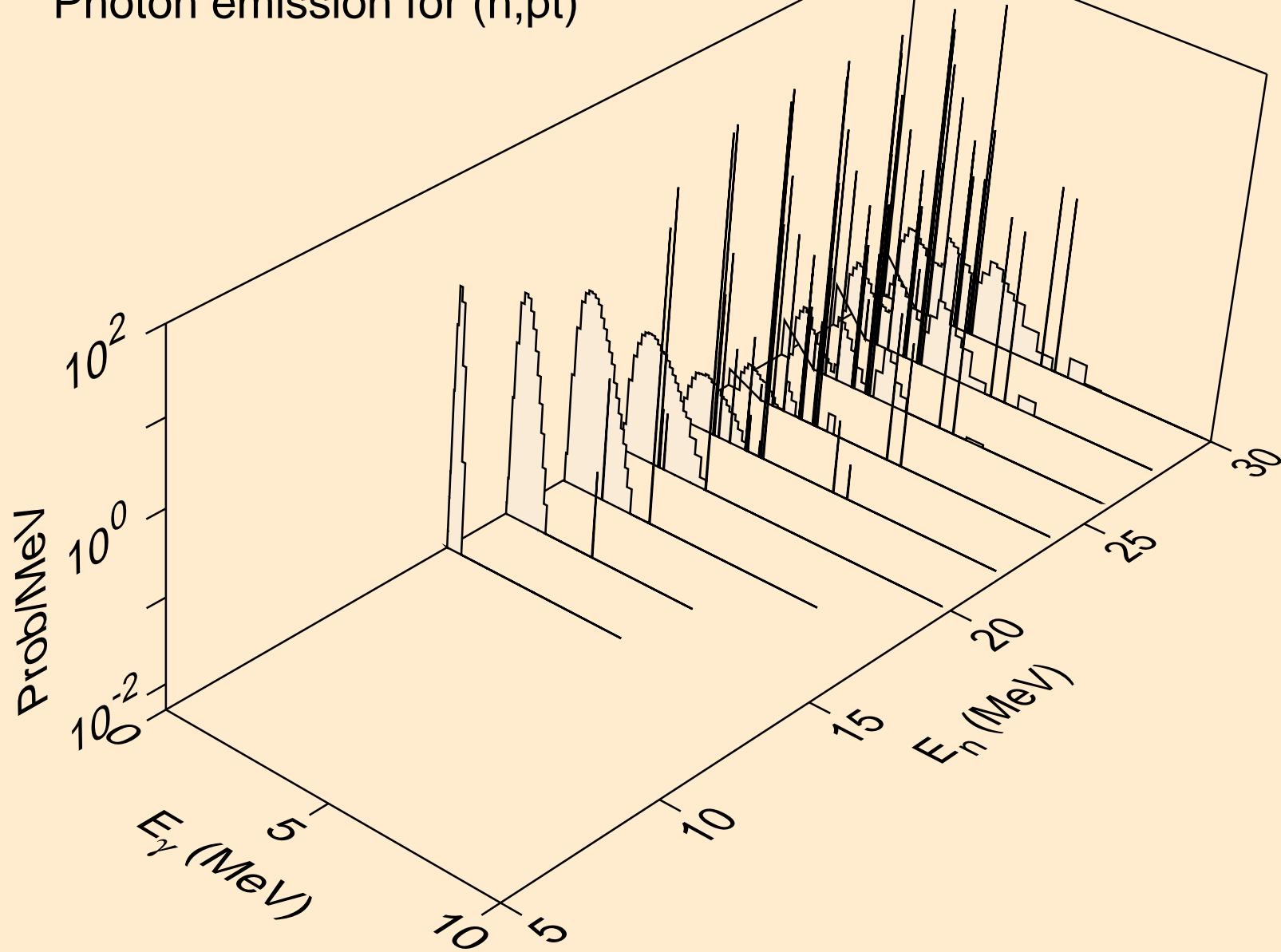


NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)

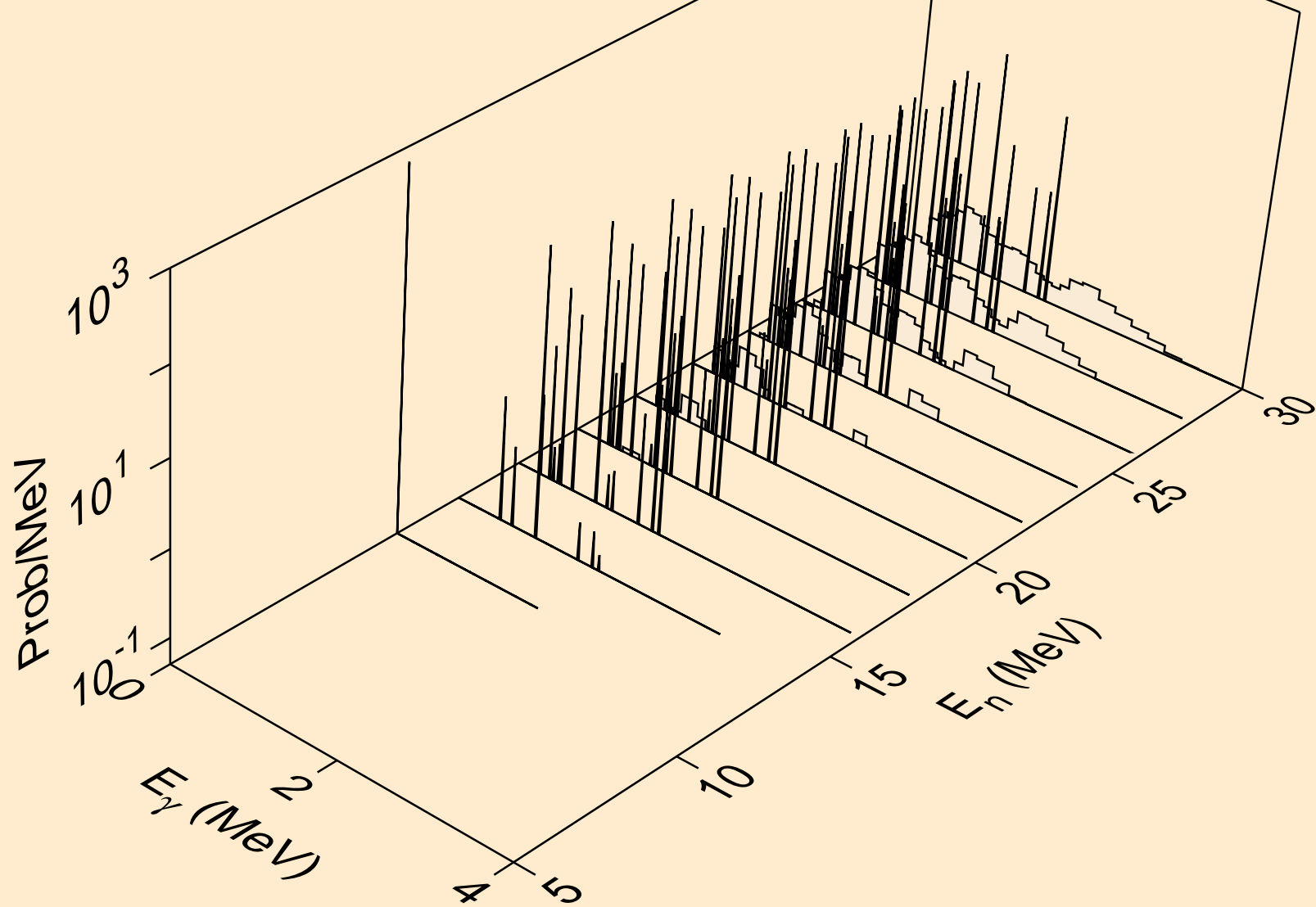




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Photon emission for (n,pt)

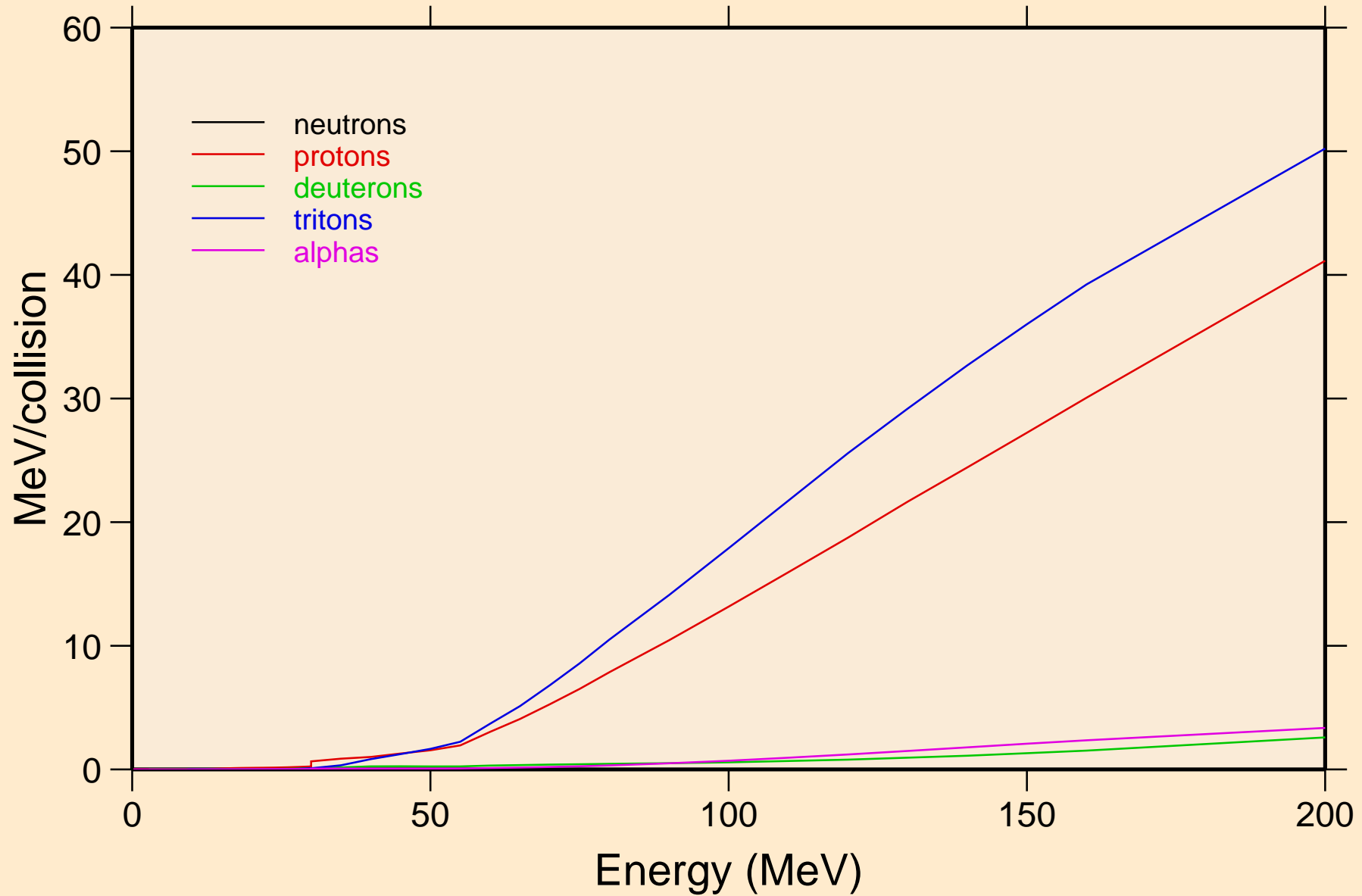


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Photon emission for (n,da)

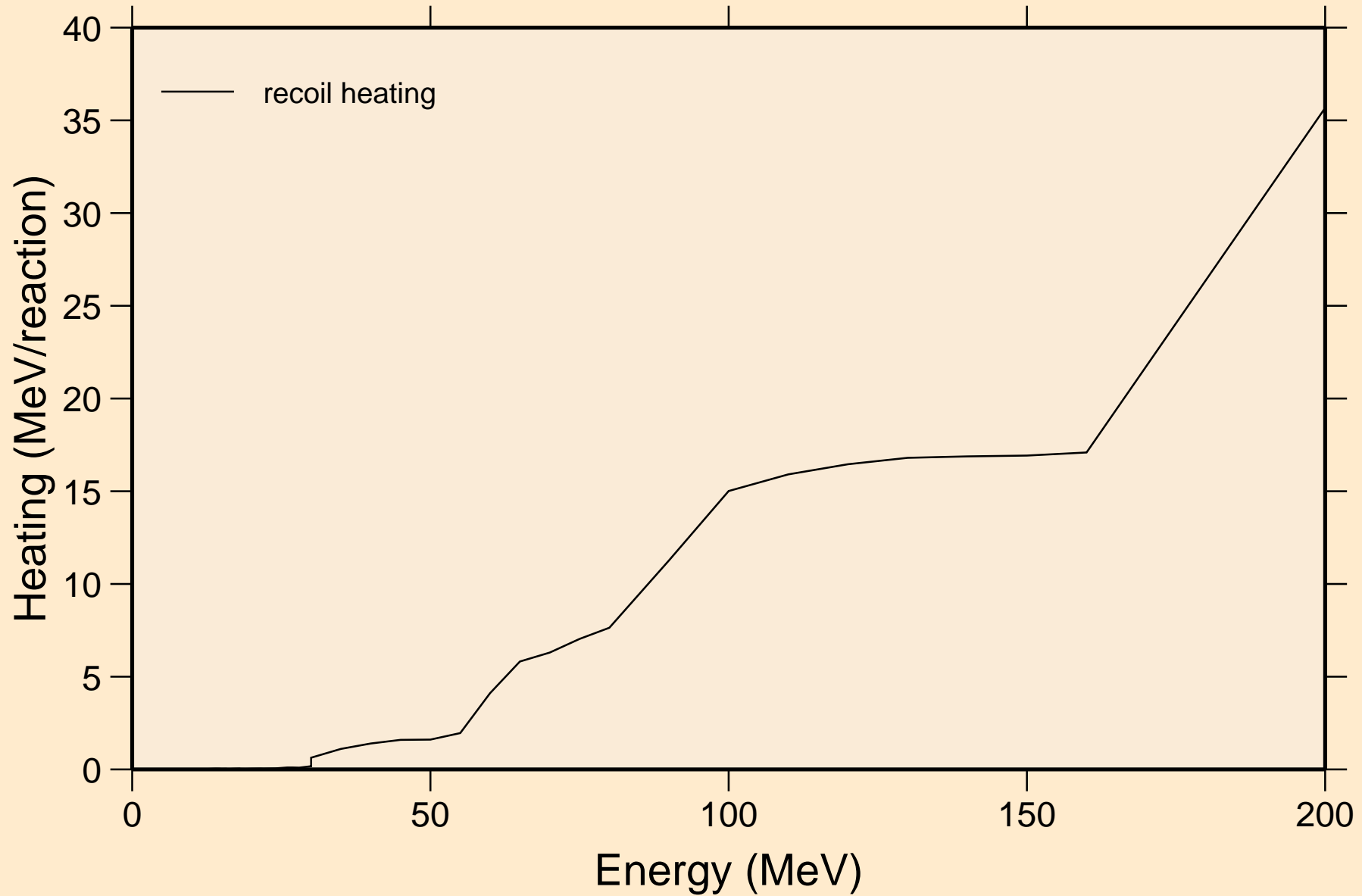


# NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K

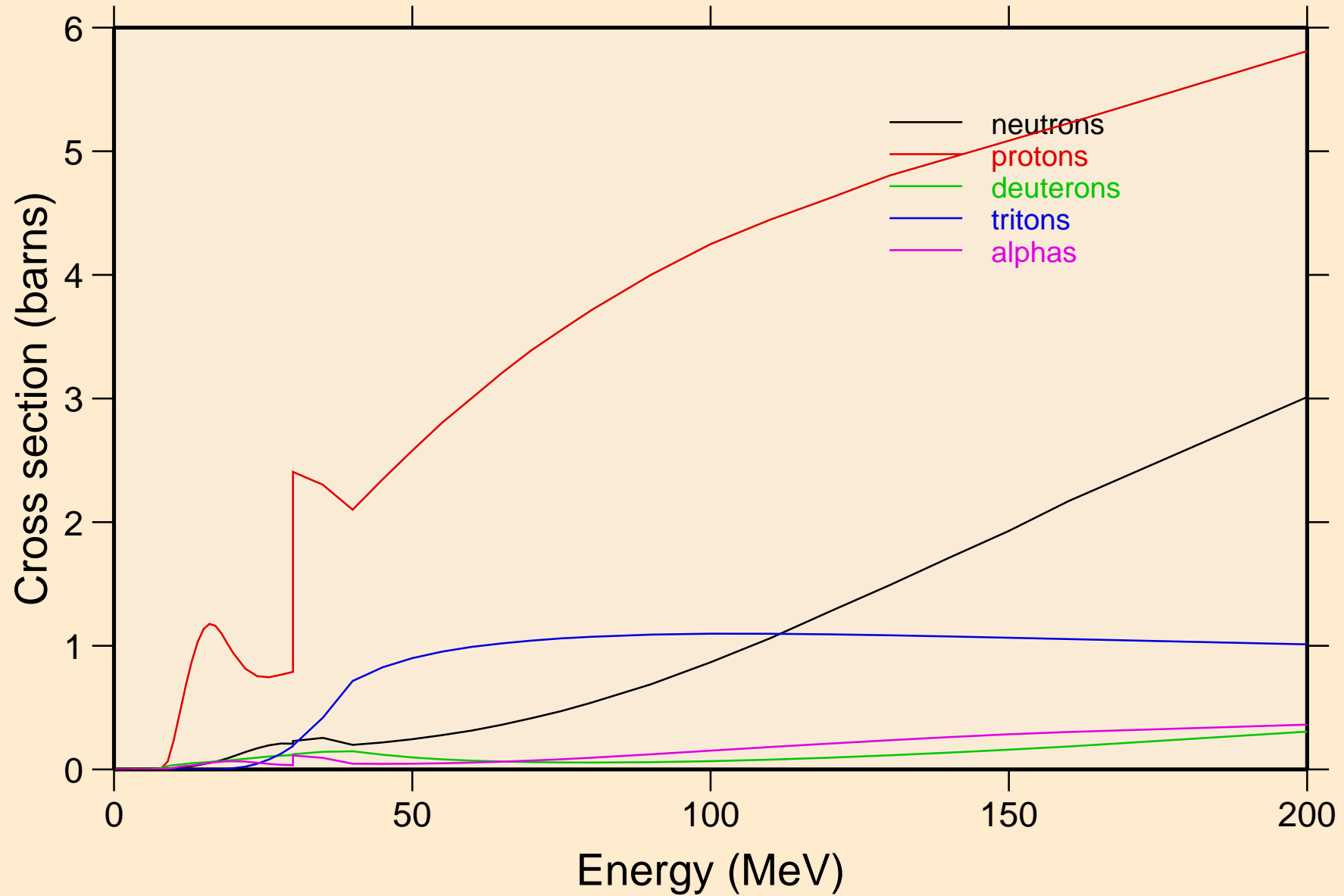
## Particle heating contributions



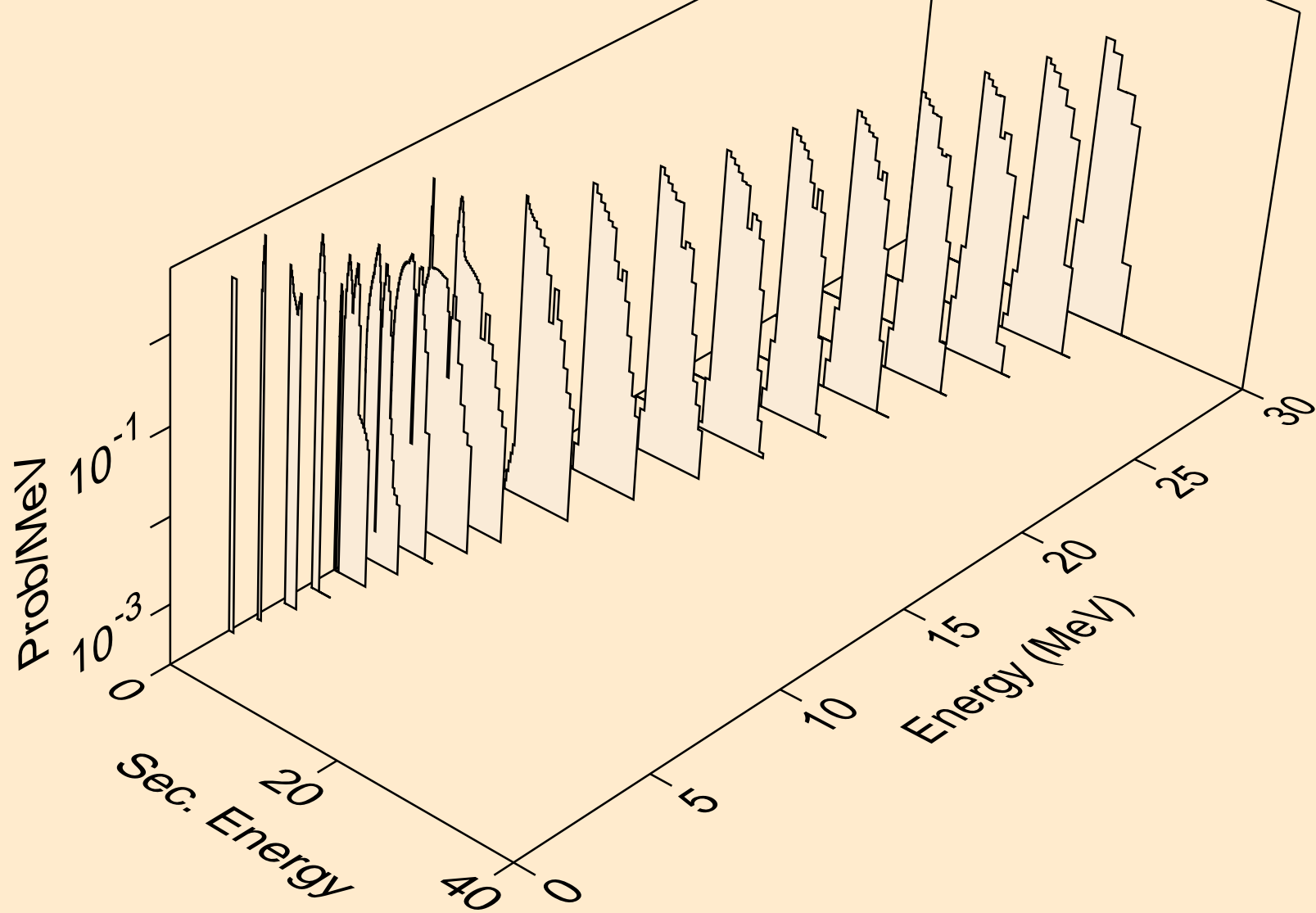
NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Recoil Heating



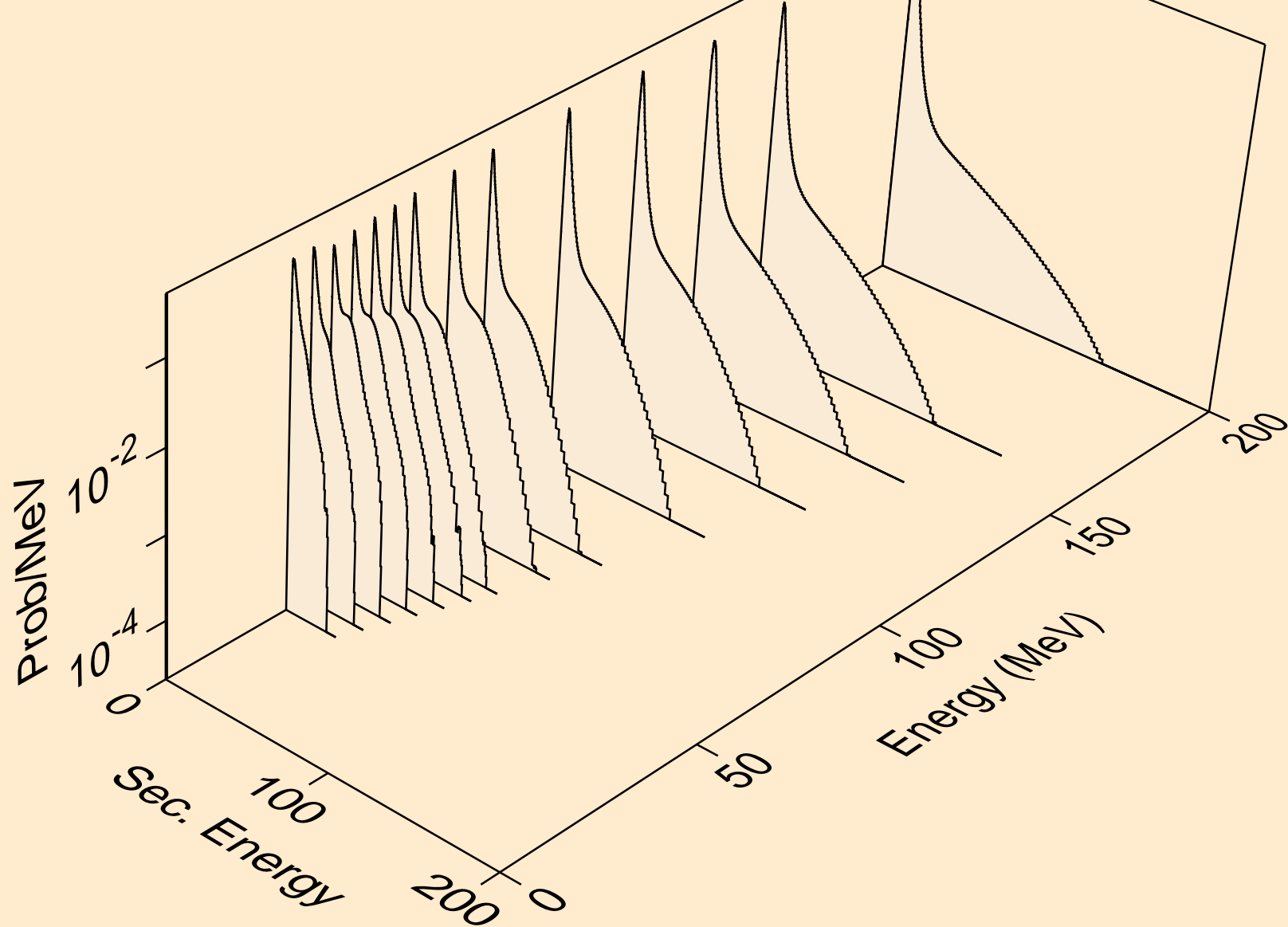
NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections



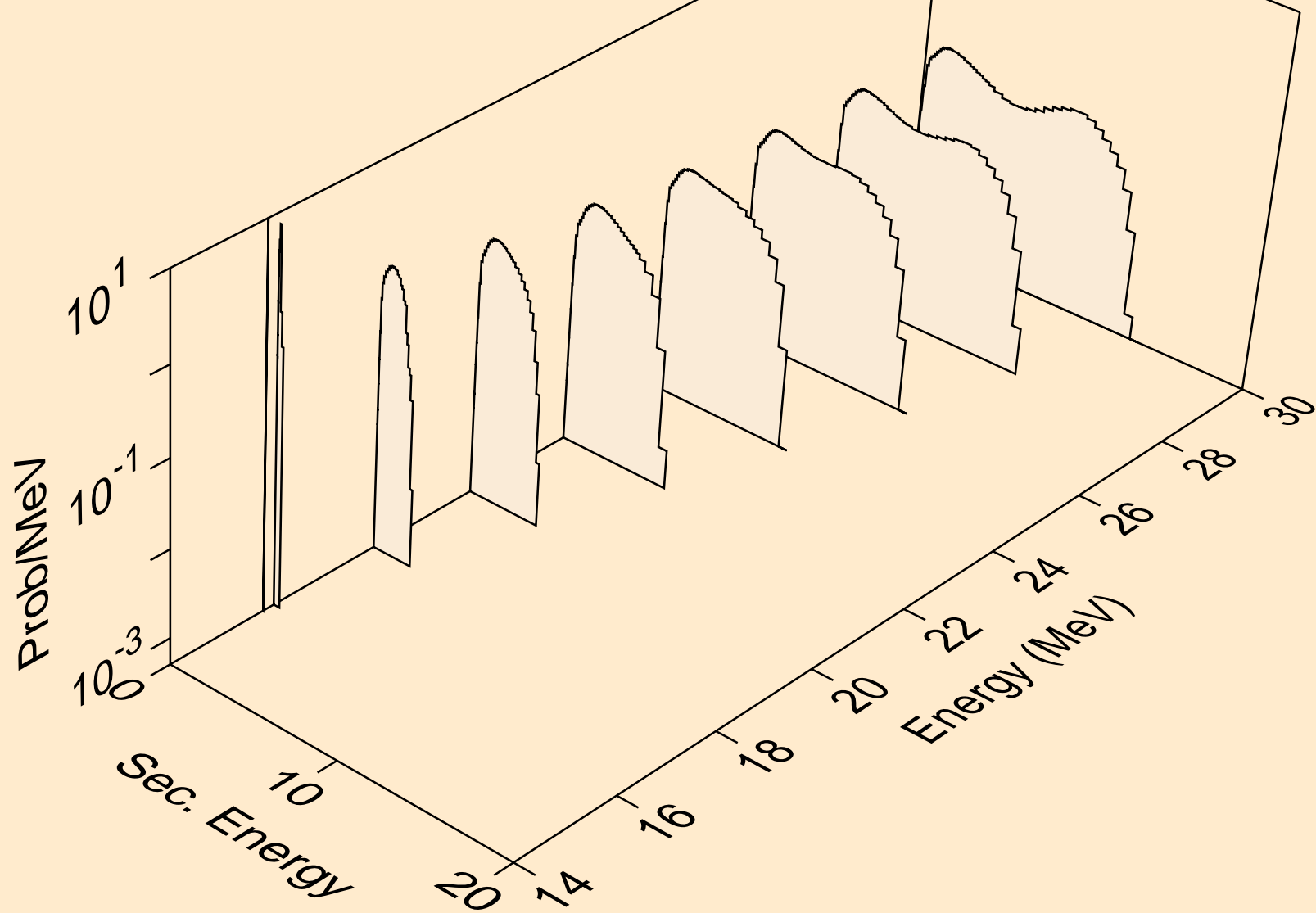
NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n)



NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,x)

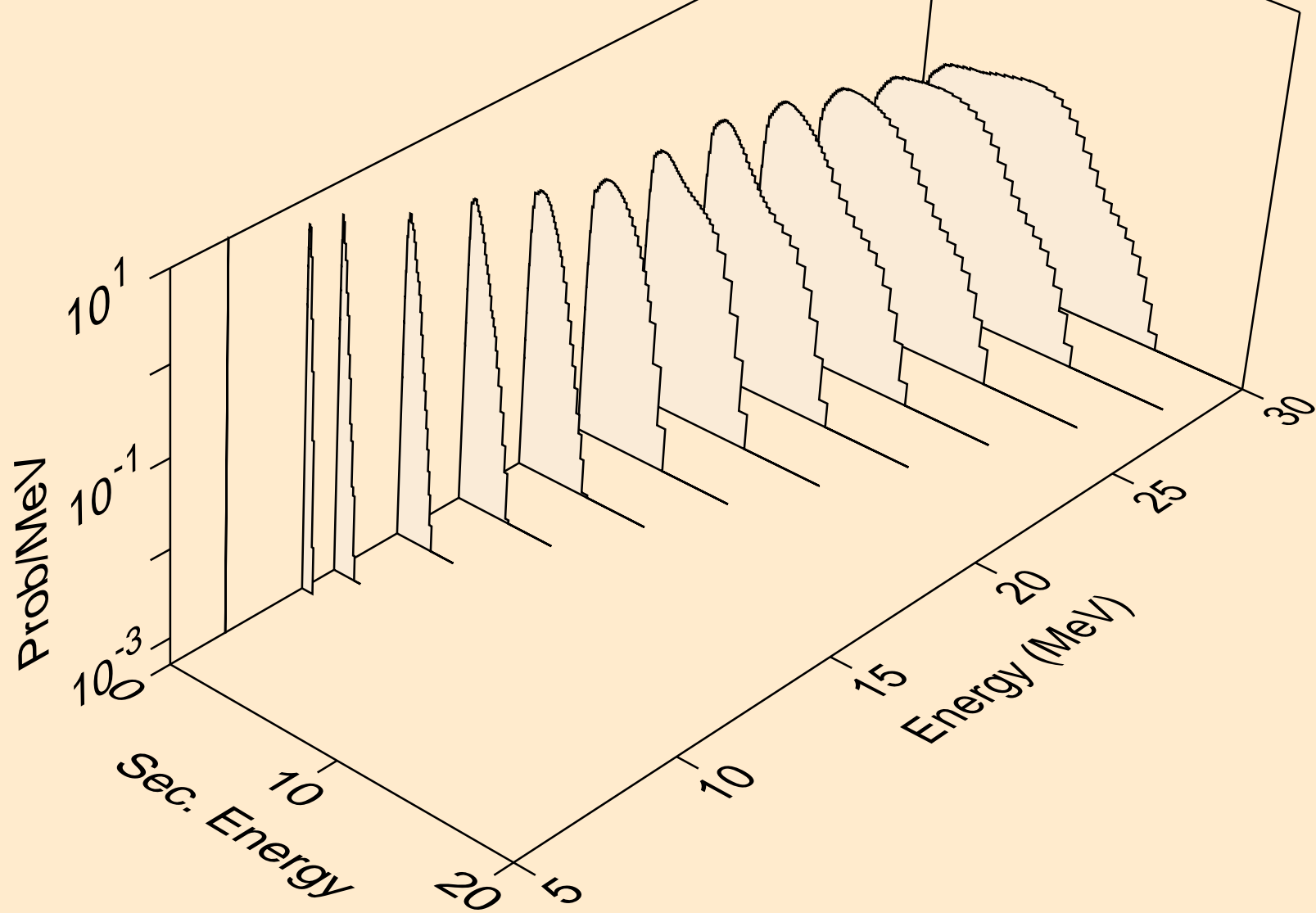


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neutrons from (s,2n)

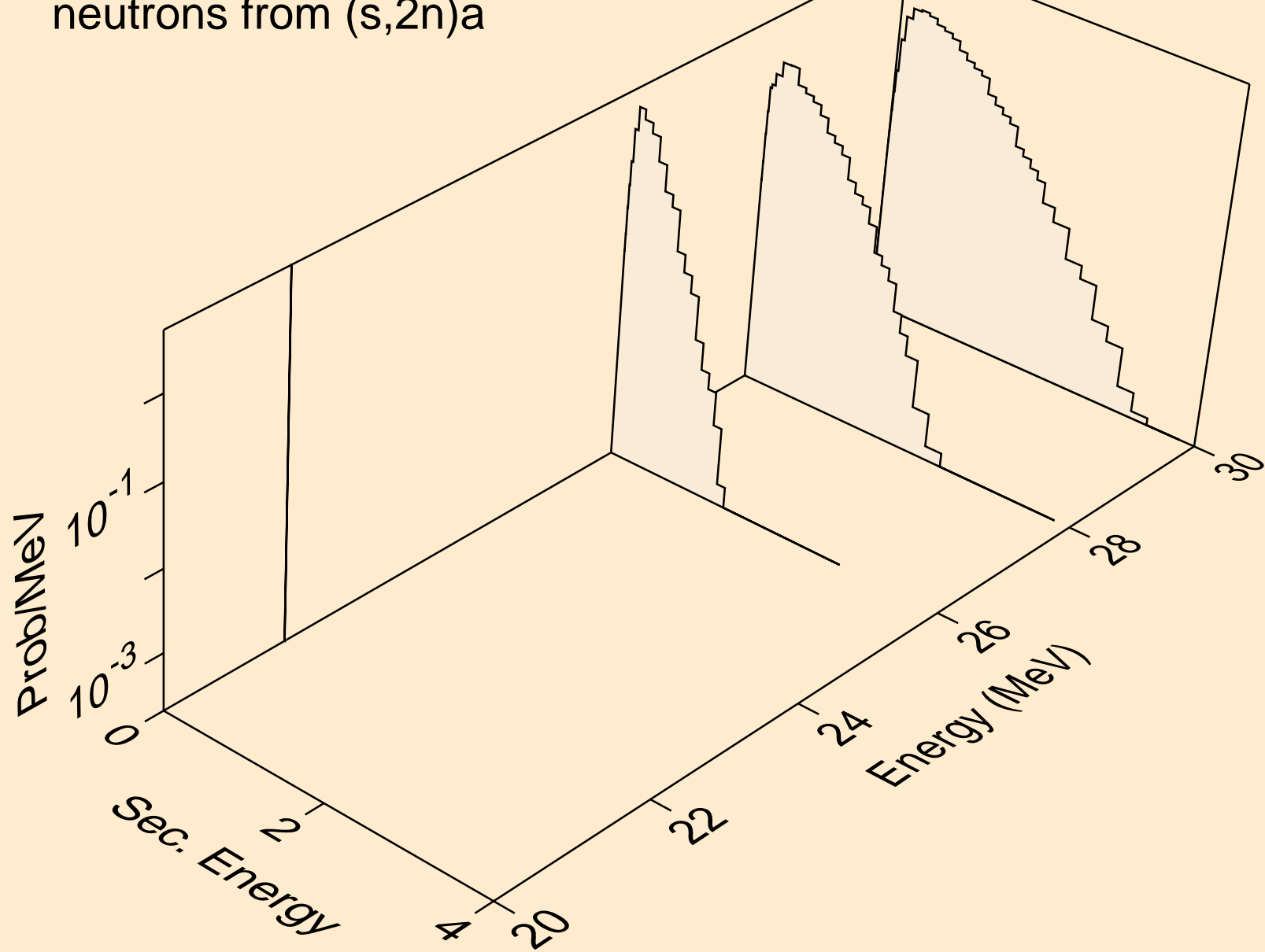




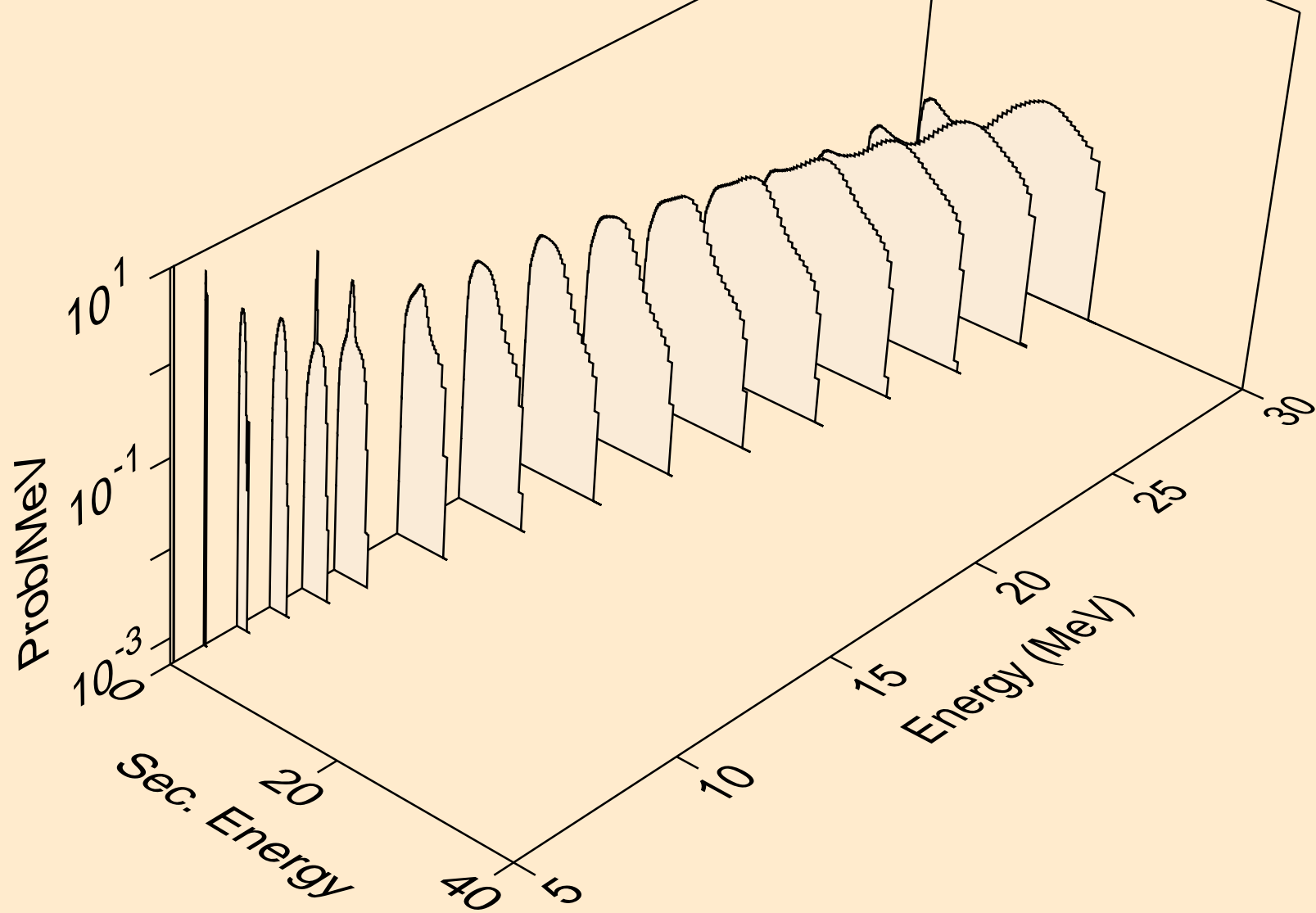
NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)a



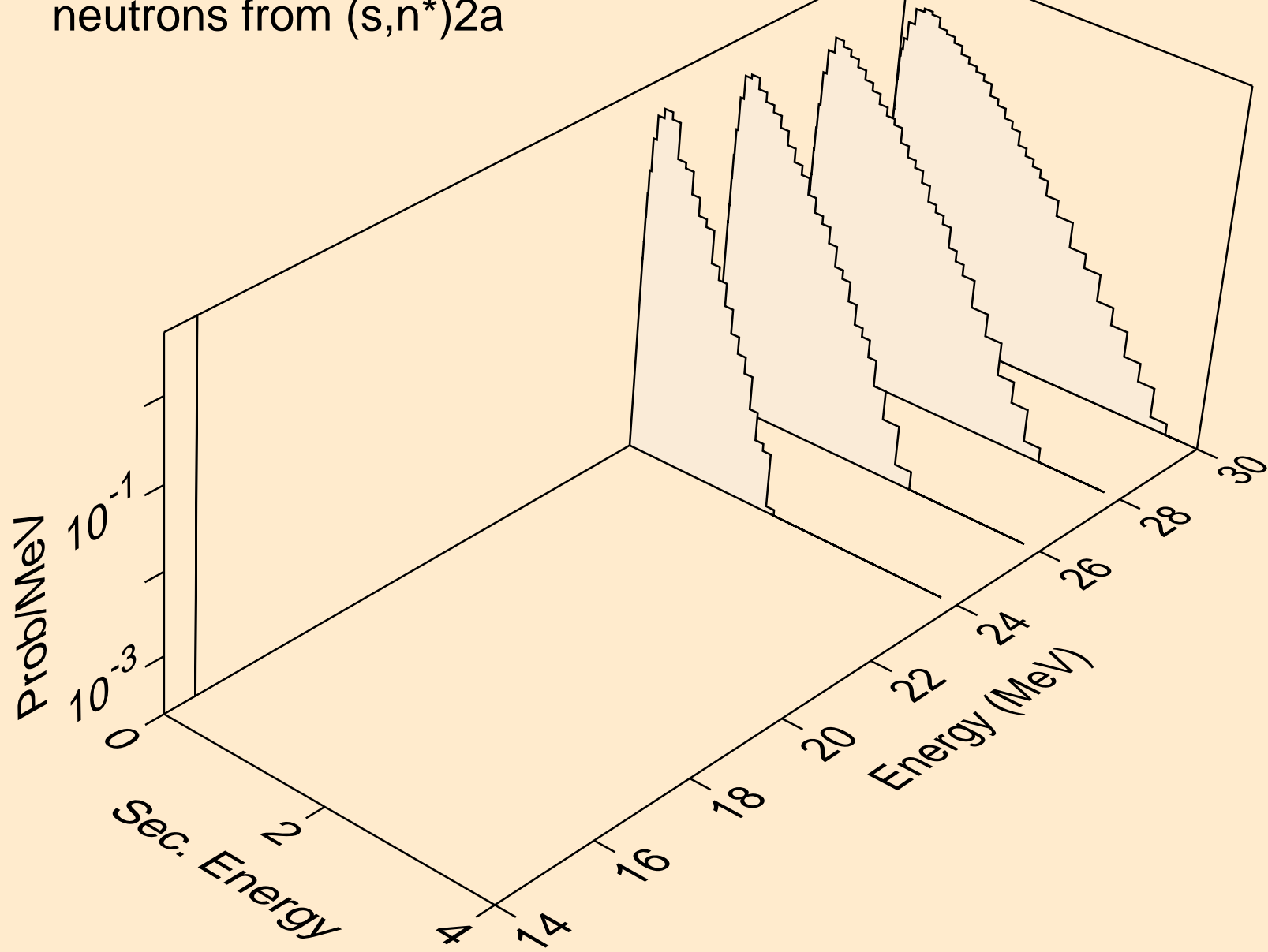
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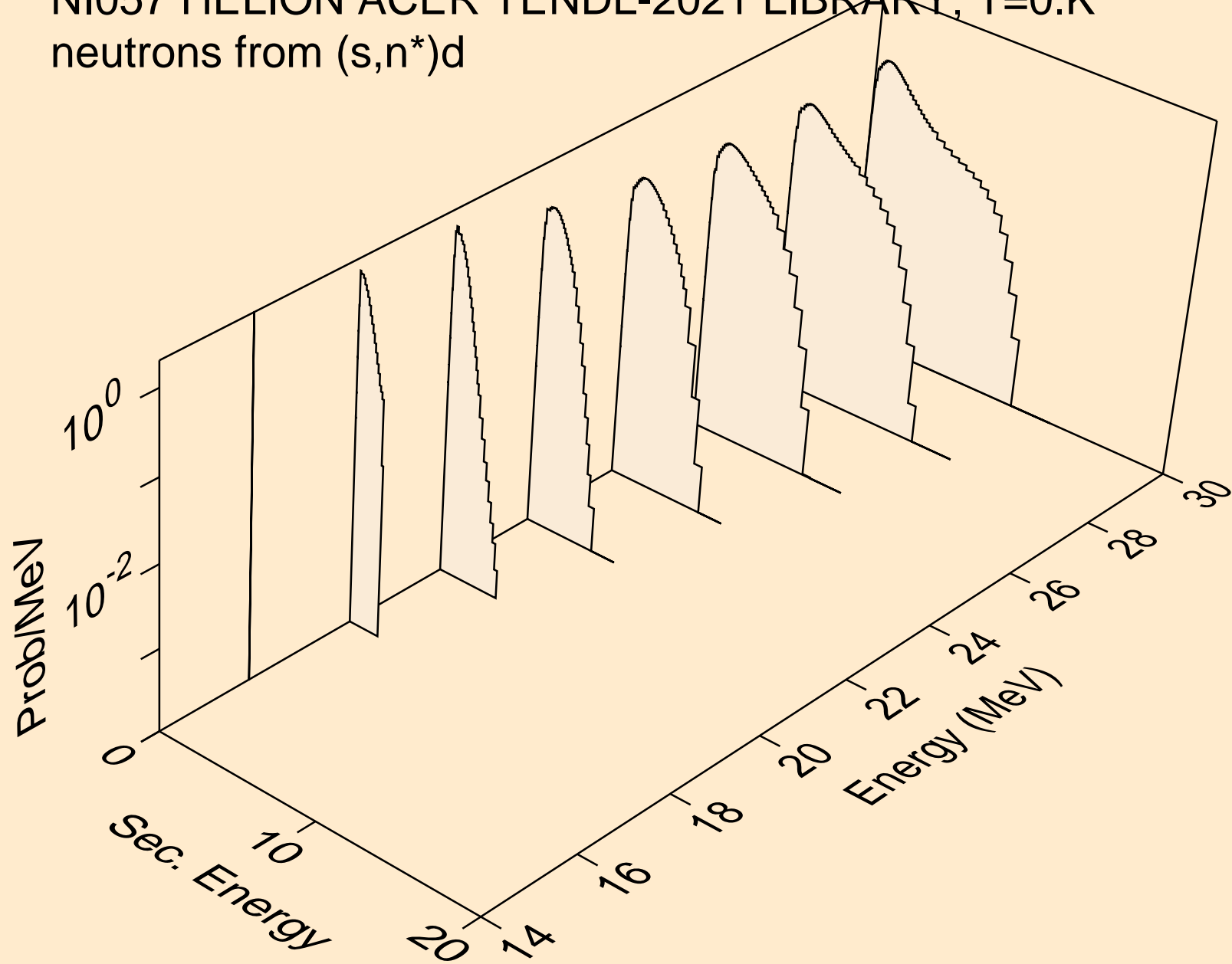
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neutrons from (s,n\*)p



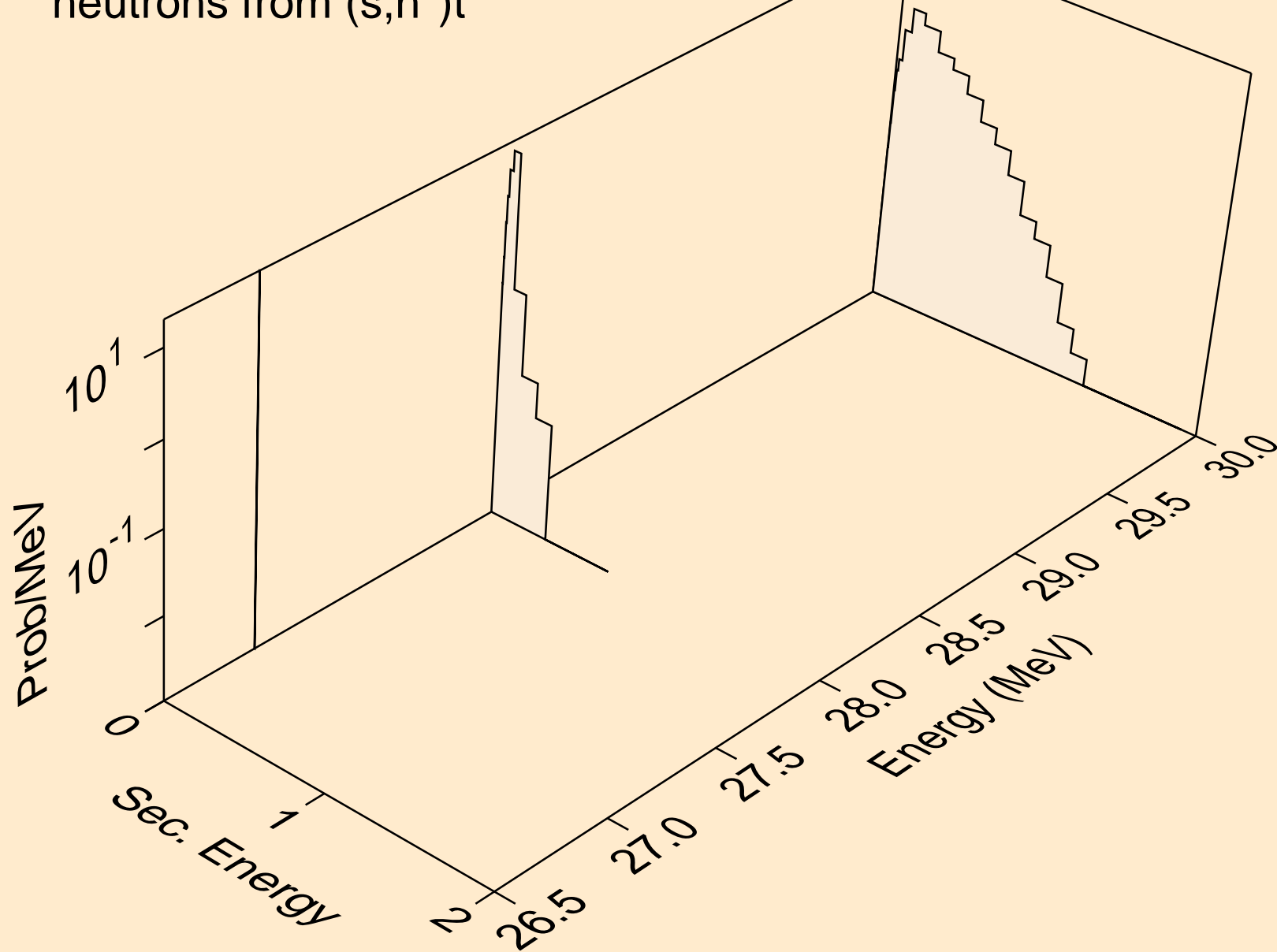
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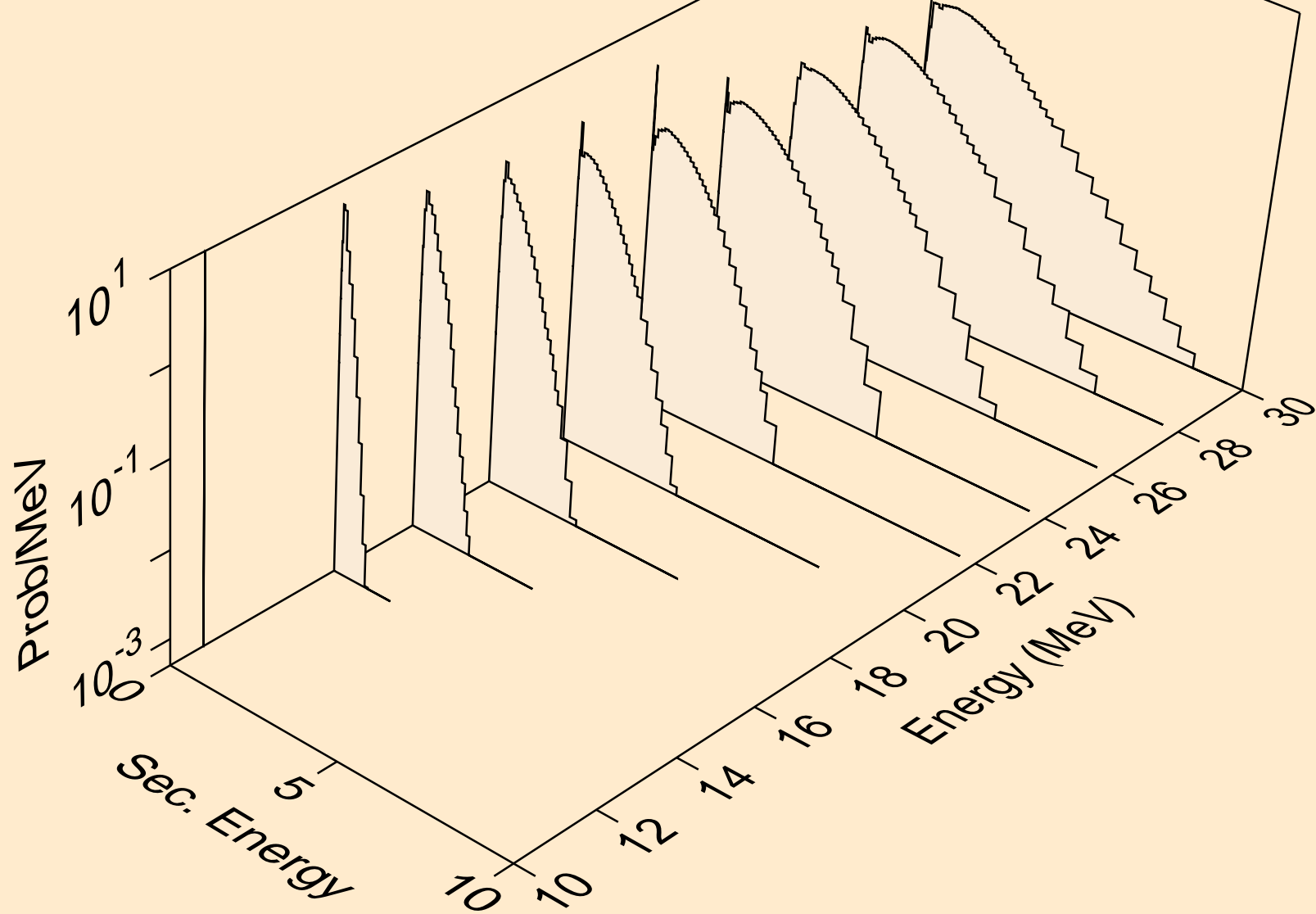
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neutrons from (s,n\*)d



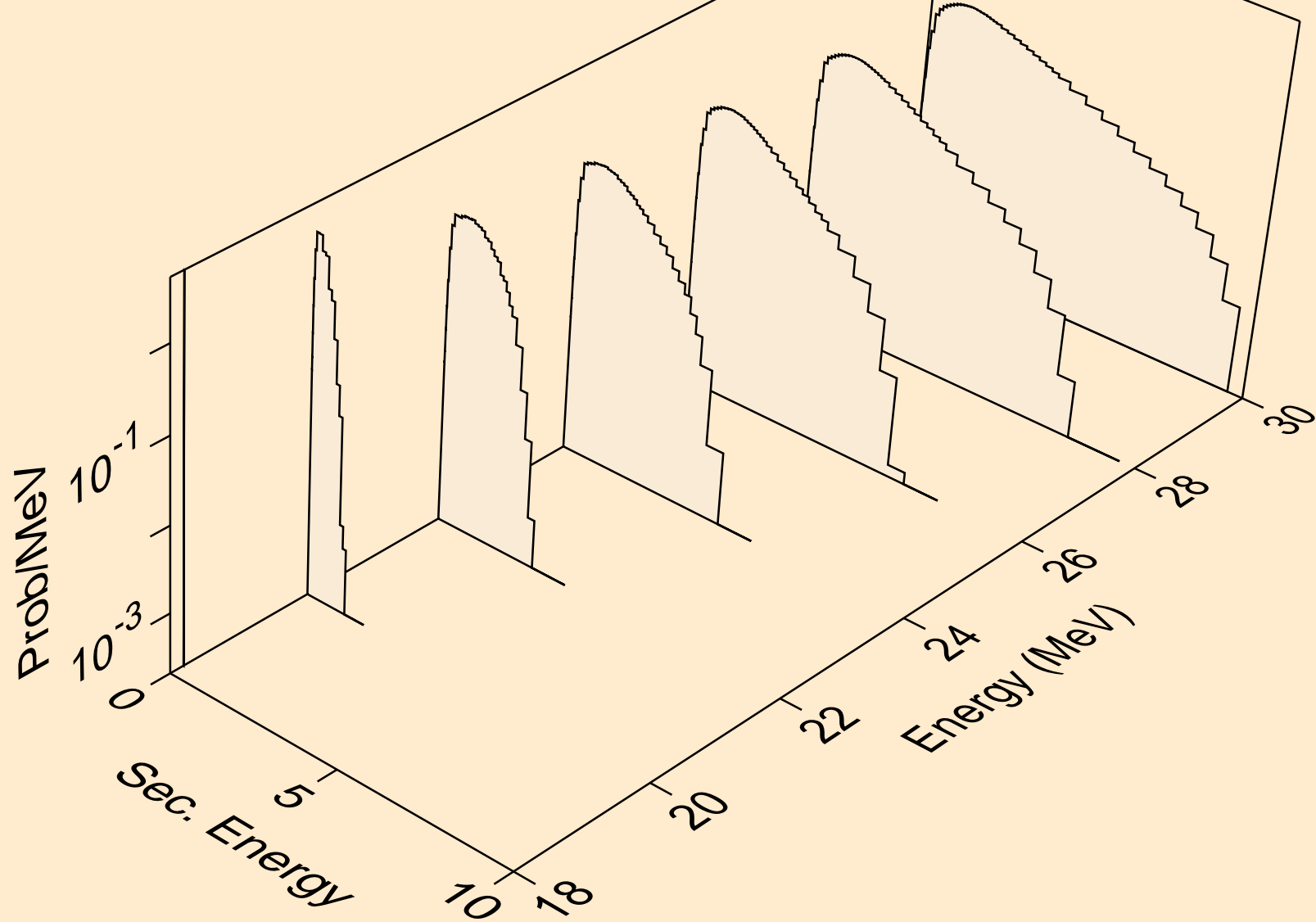
NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)t



NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

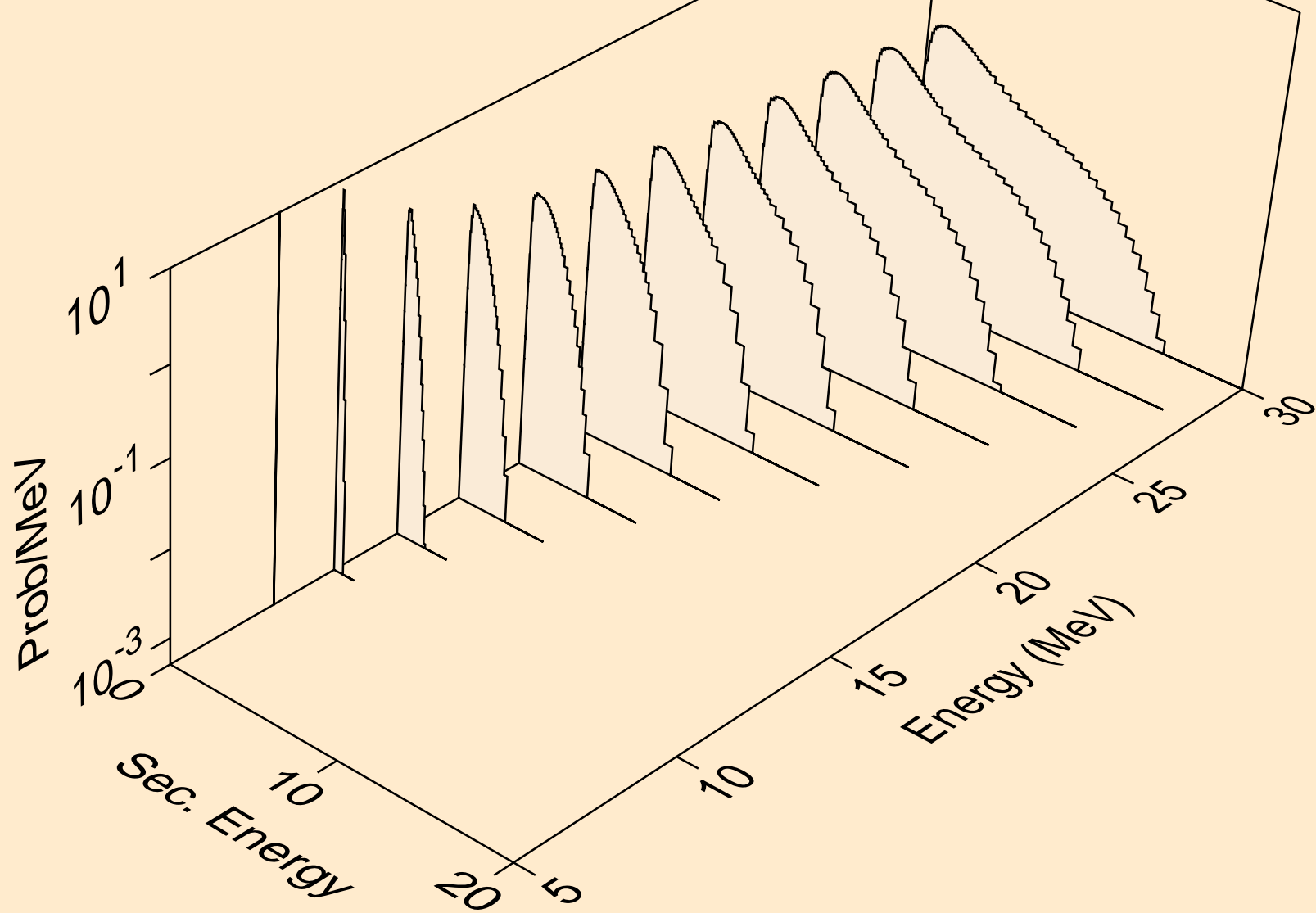


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neutrons from (s,2np)

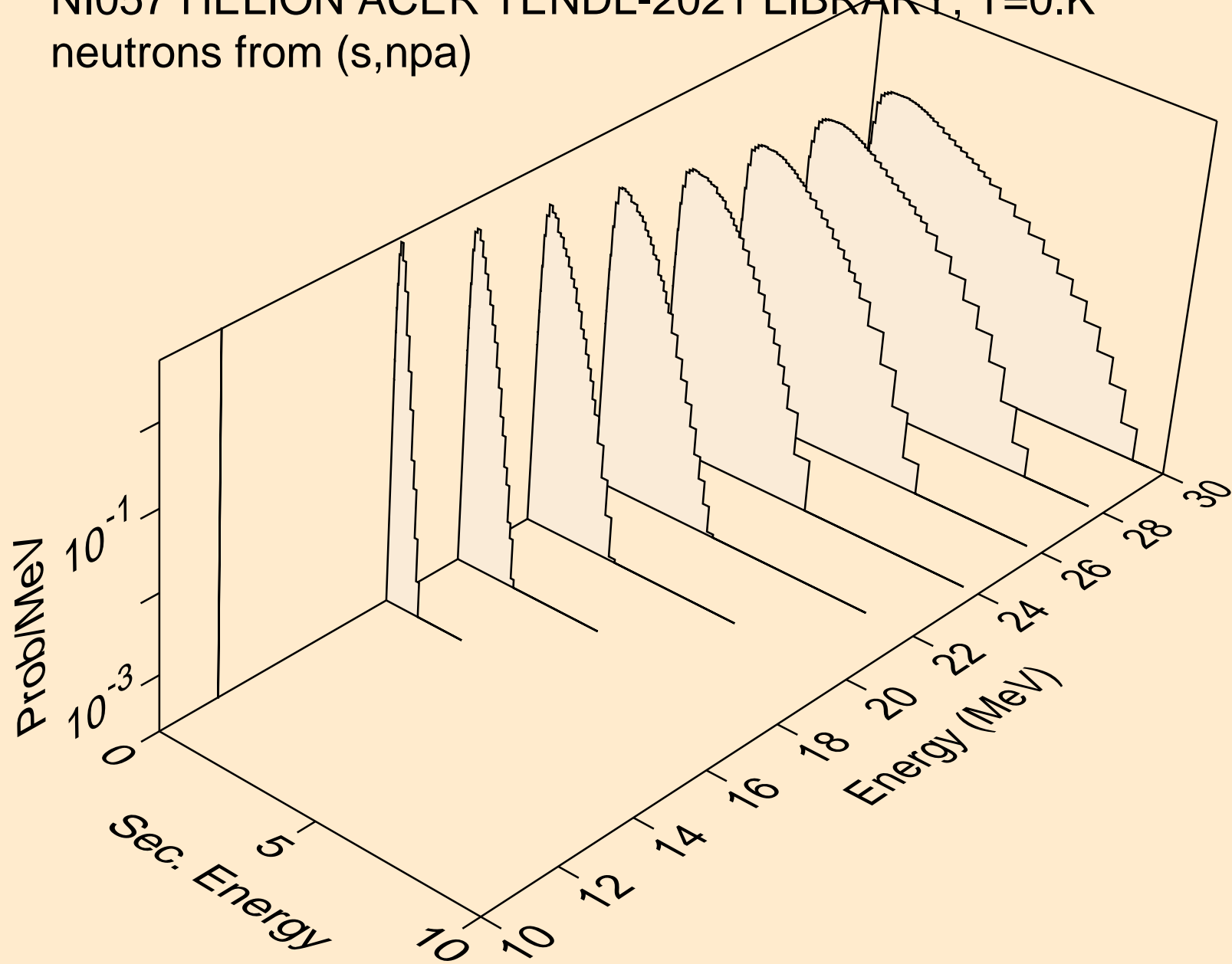




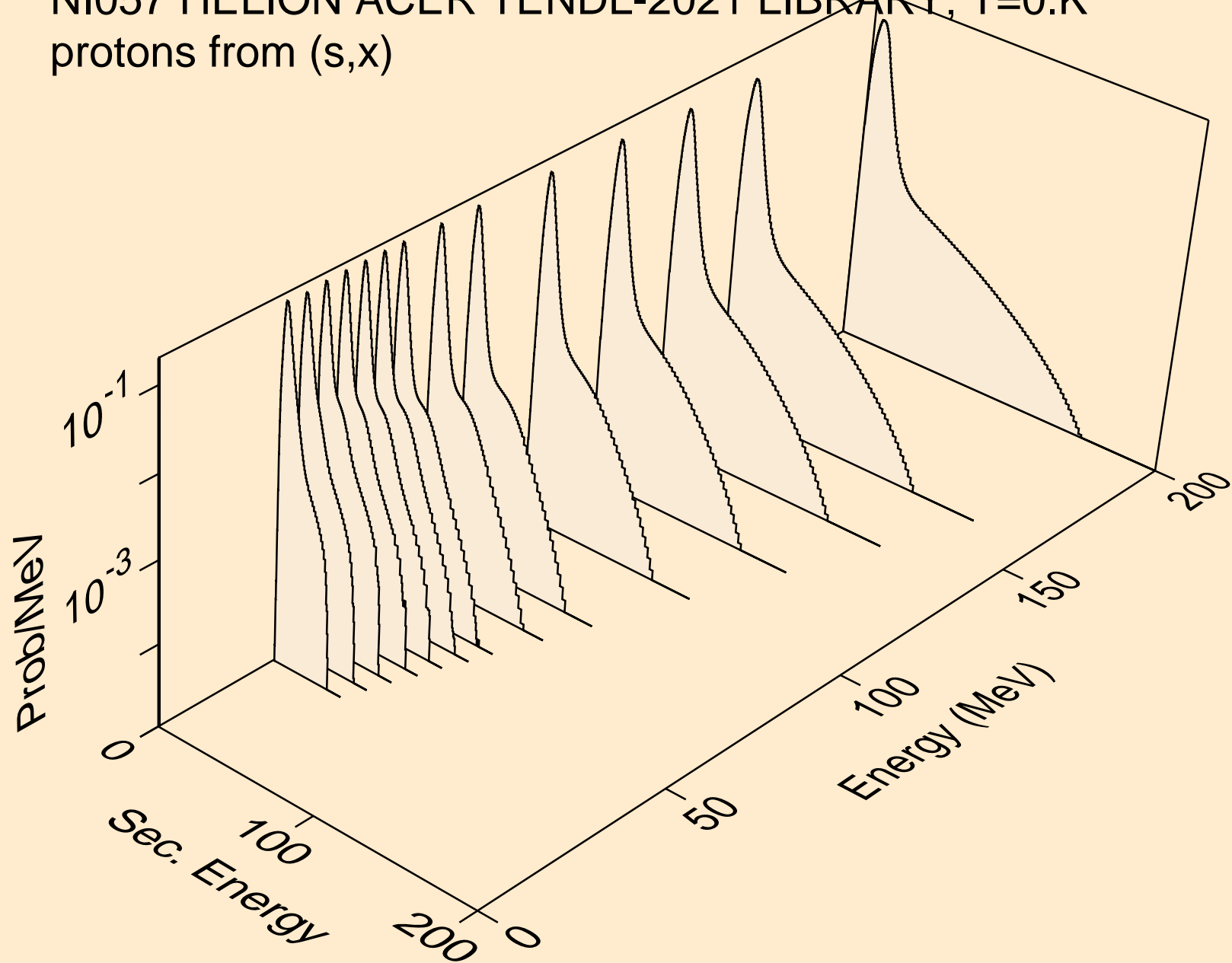
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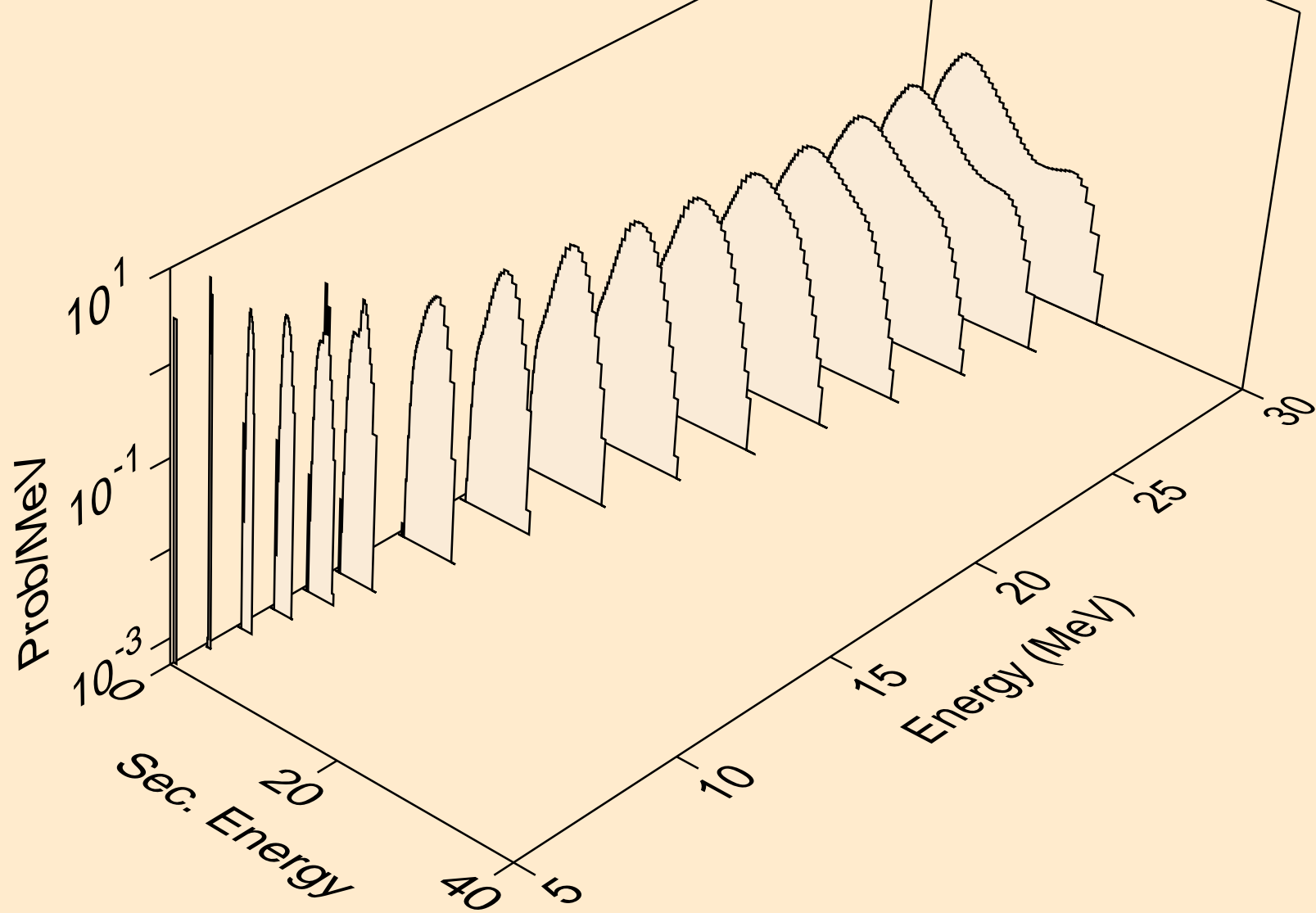
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neutrons from (s,npa)



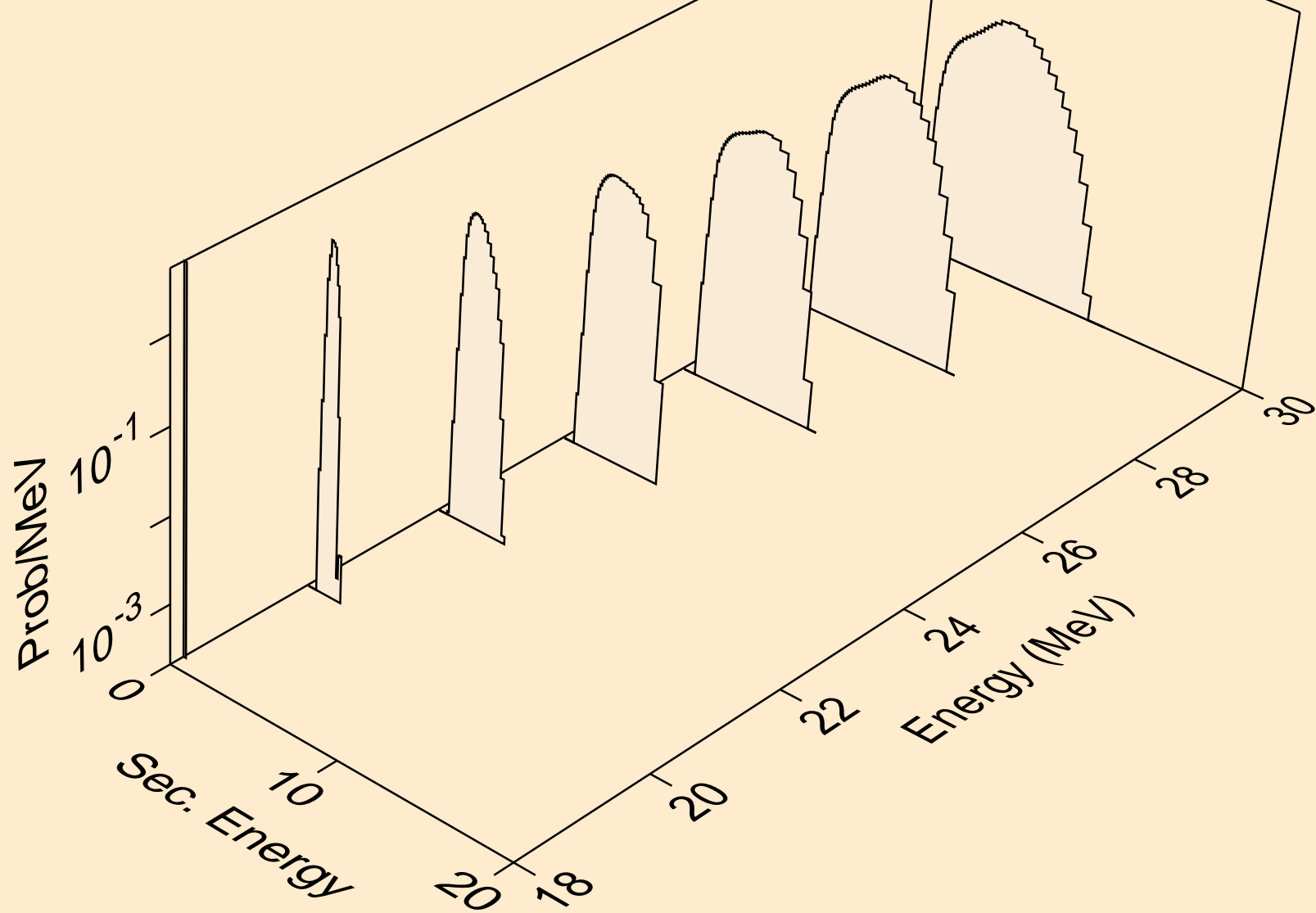
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protons from (s,x)



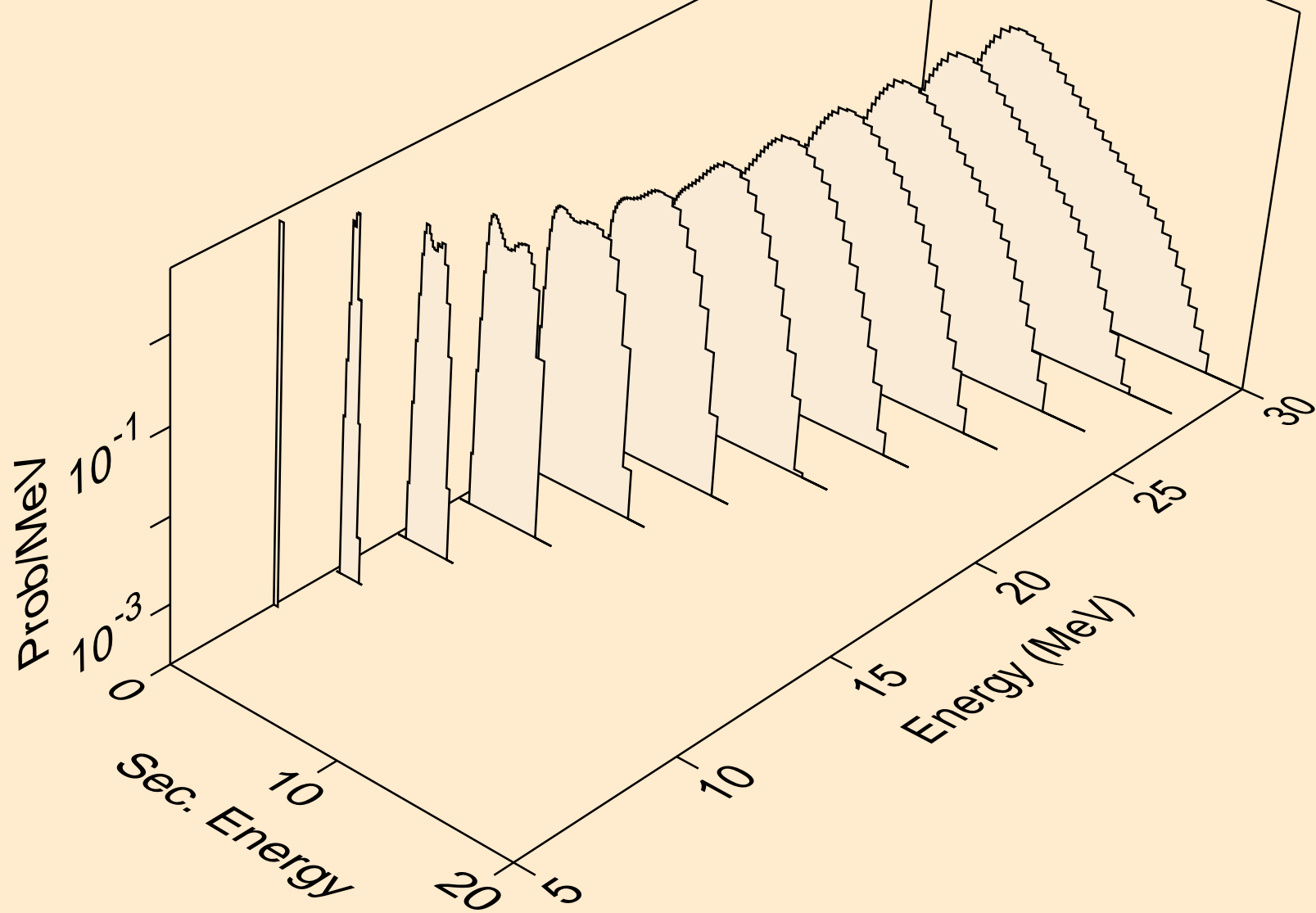
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protons from (s,n\*)p



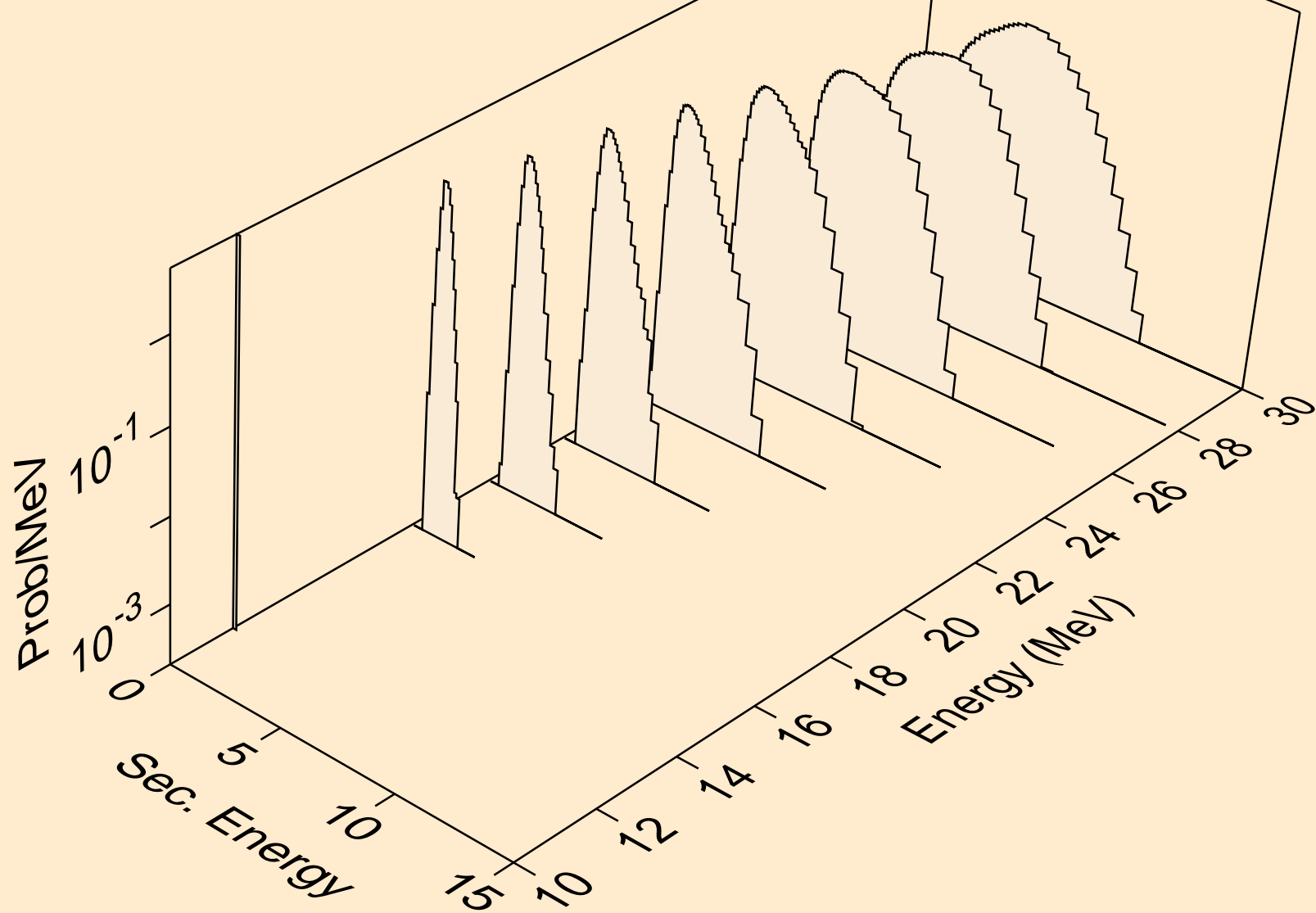
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protons from (s,2np)



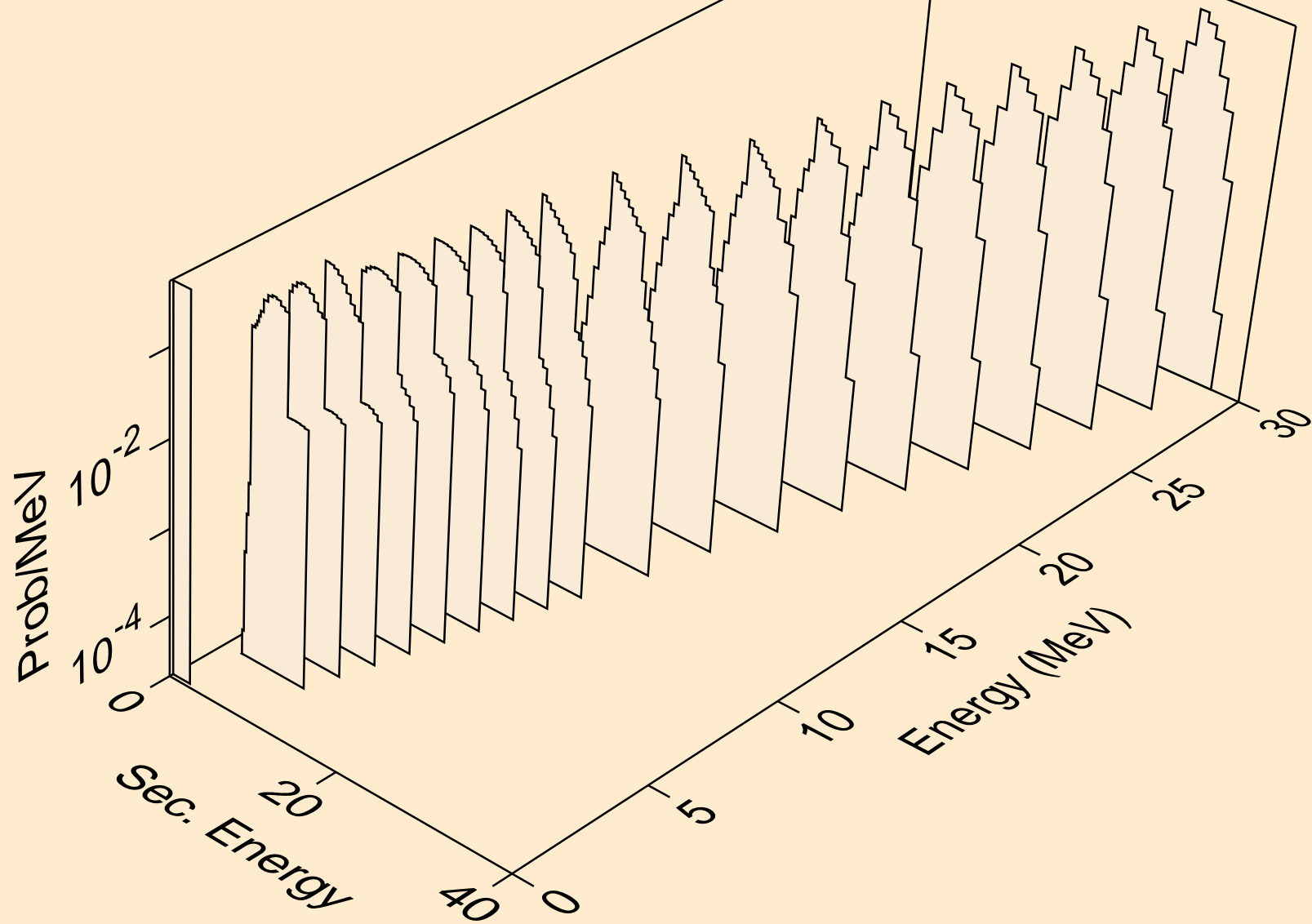
NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,2np)



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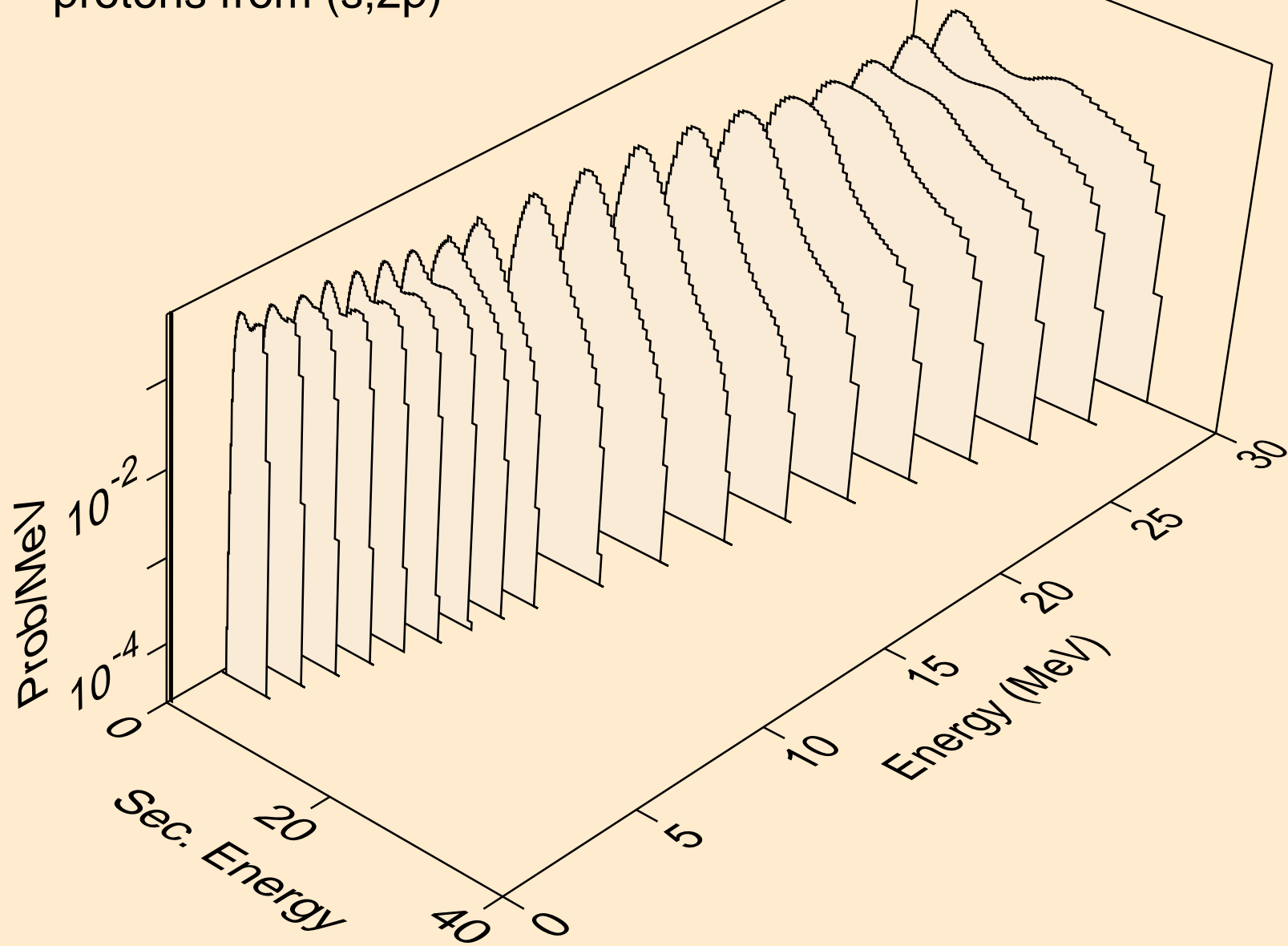


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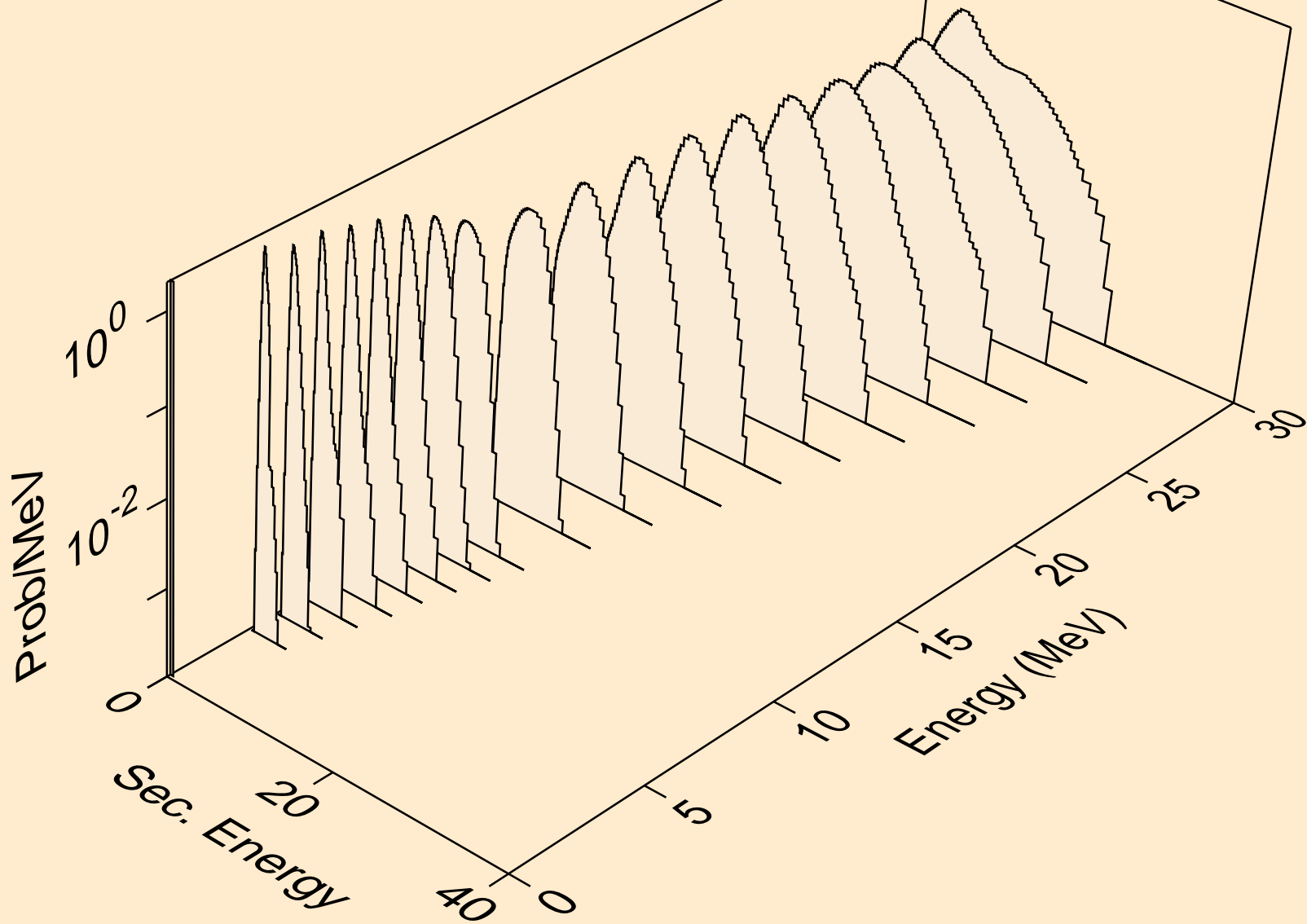




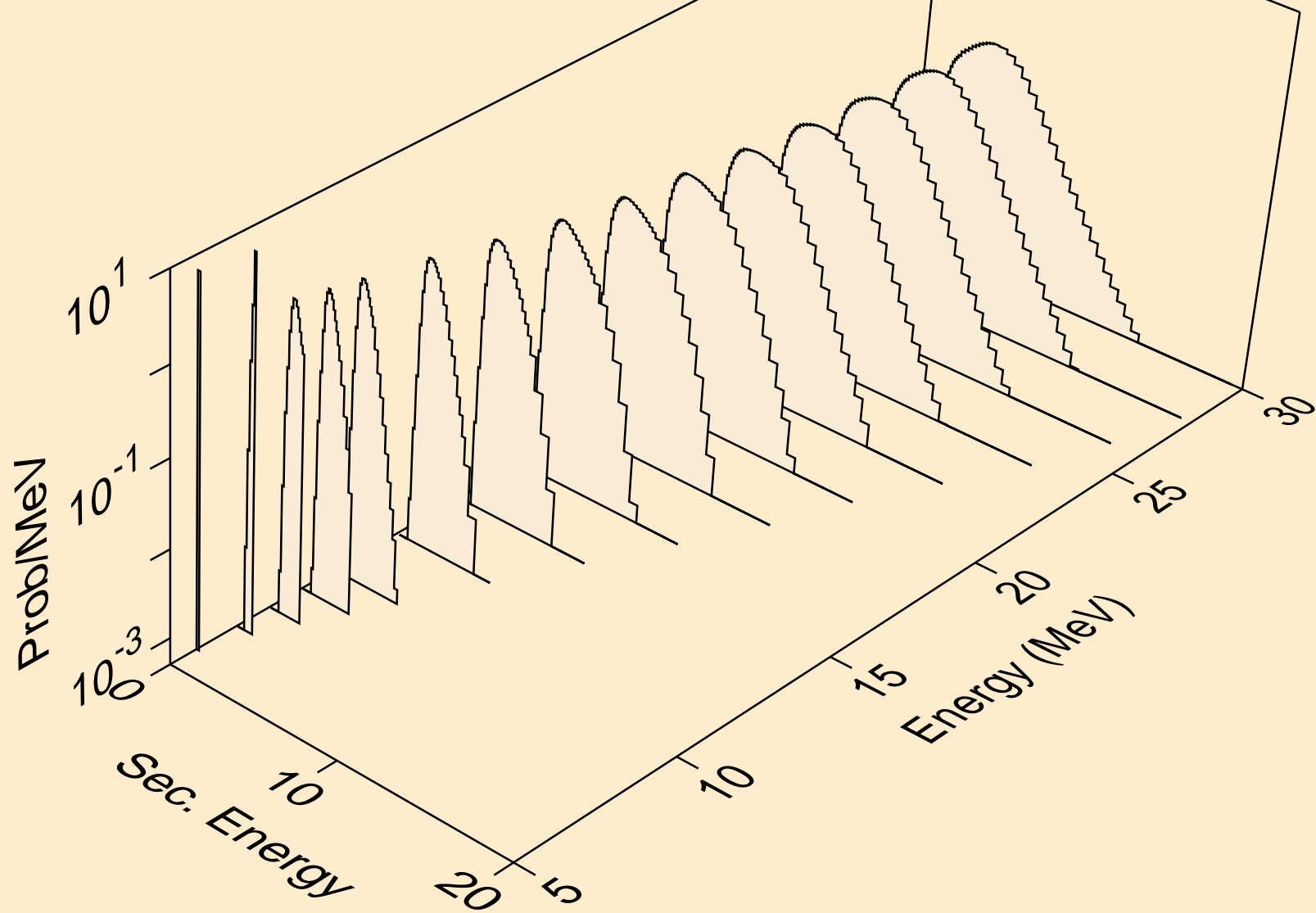
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protons from (s,2p)



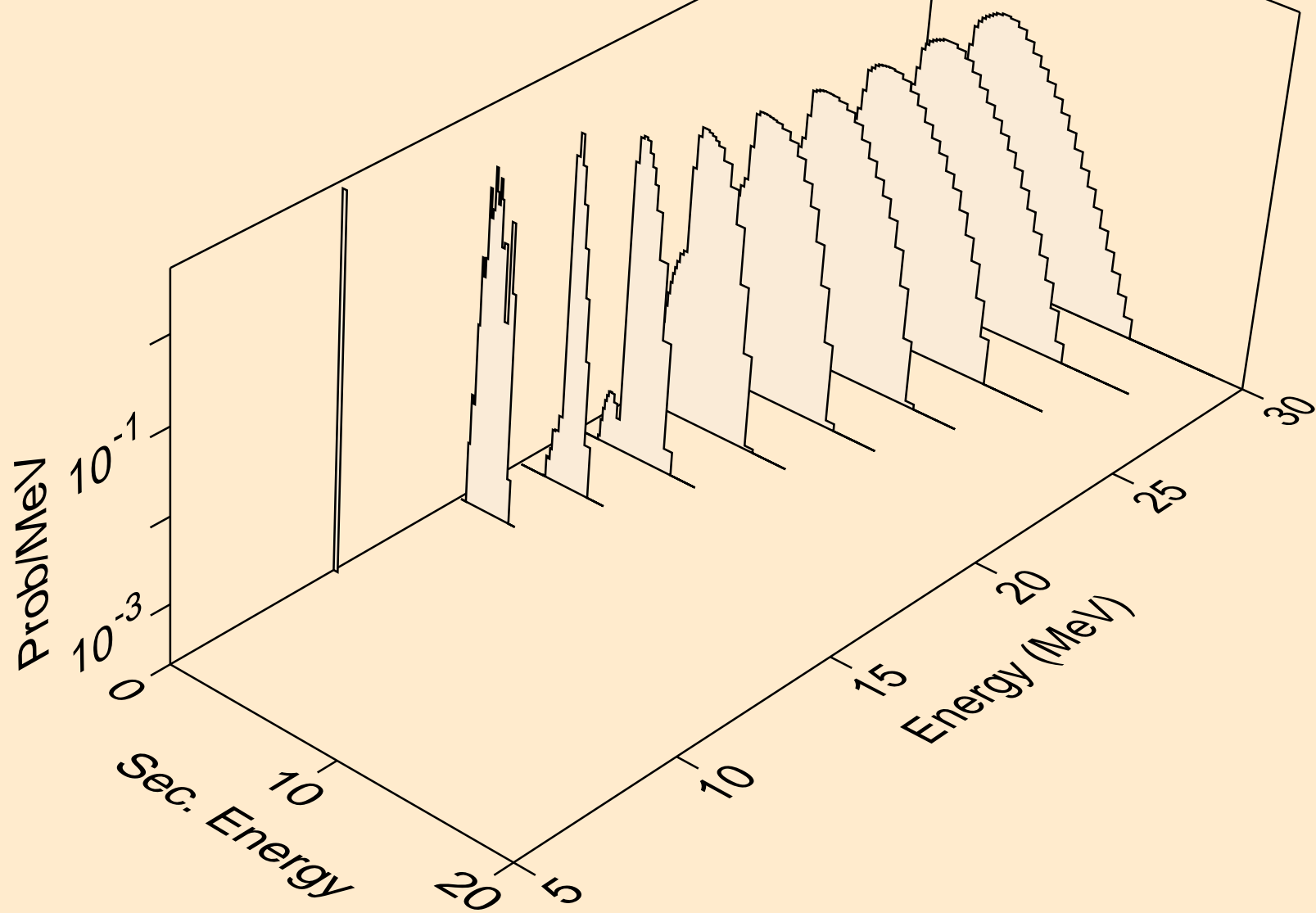
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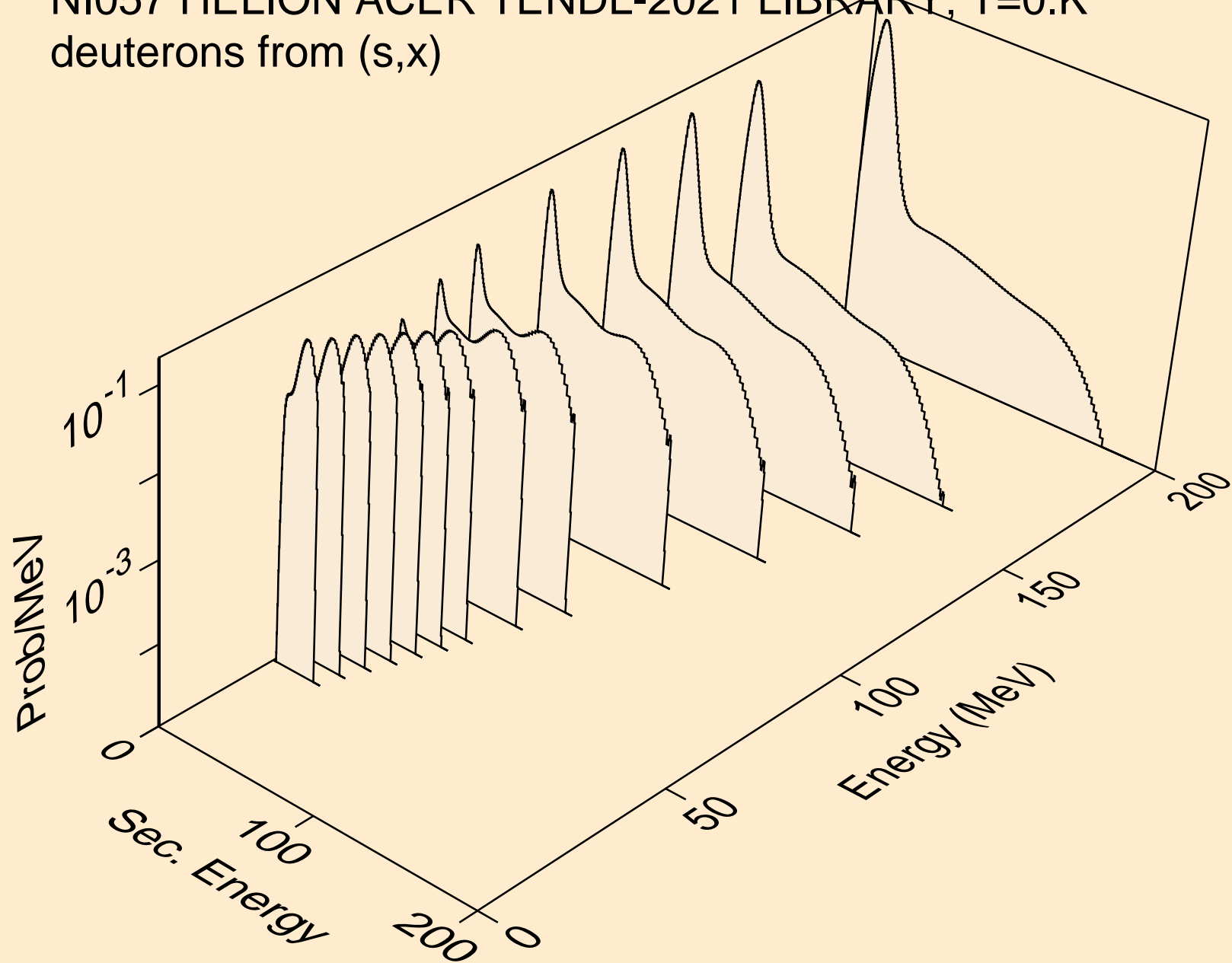
NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,pd)



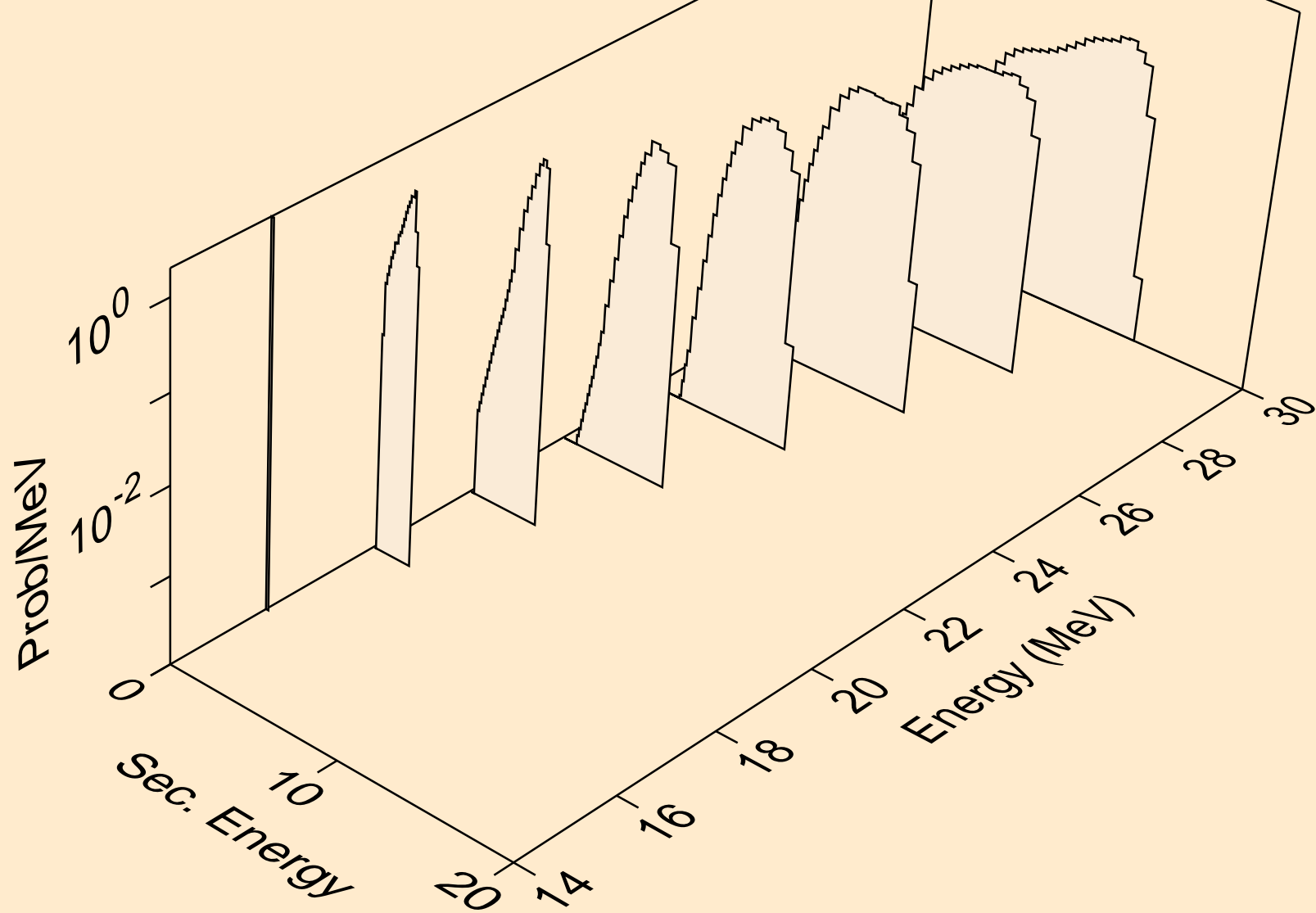
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protons from (s,pt)



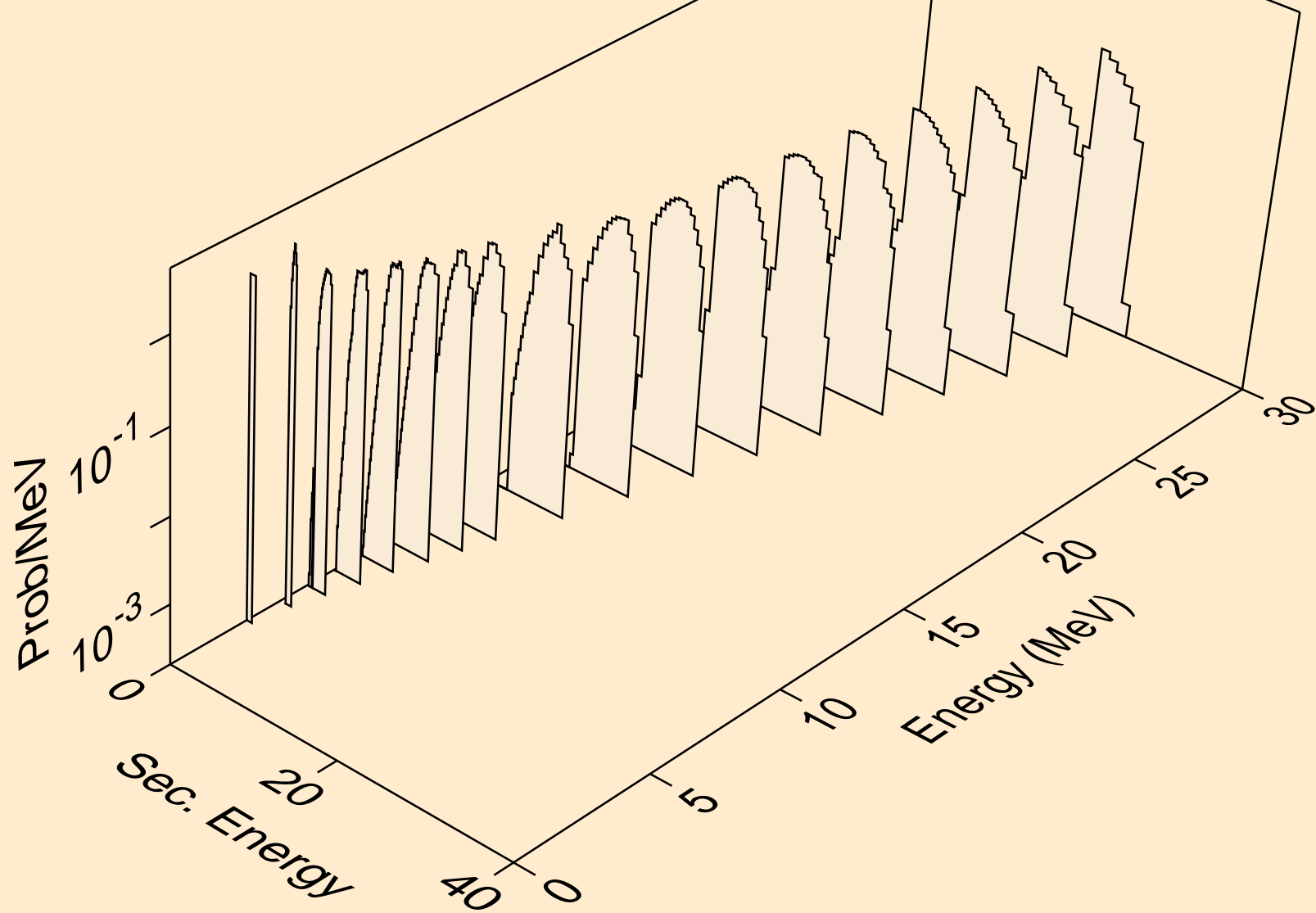
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deuterons from (s,x)



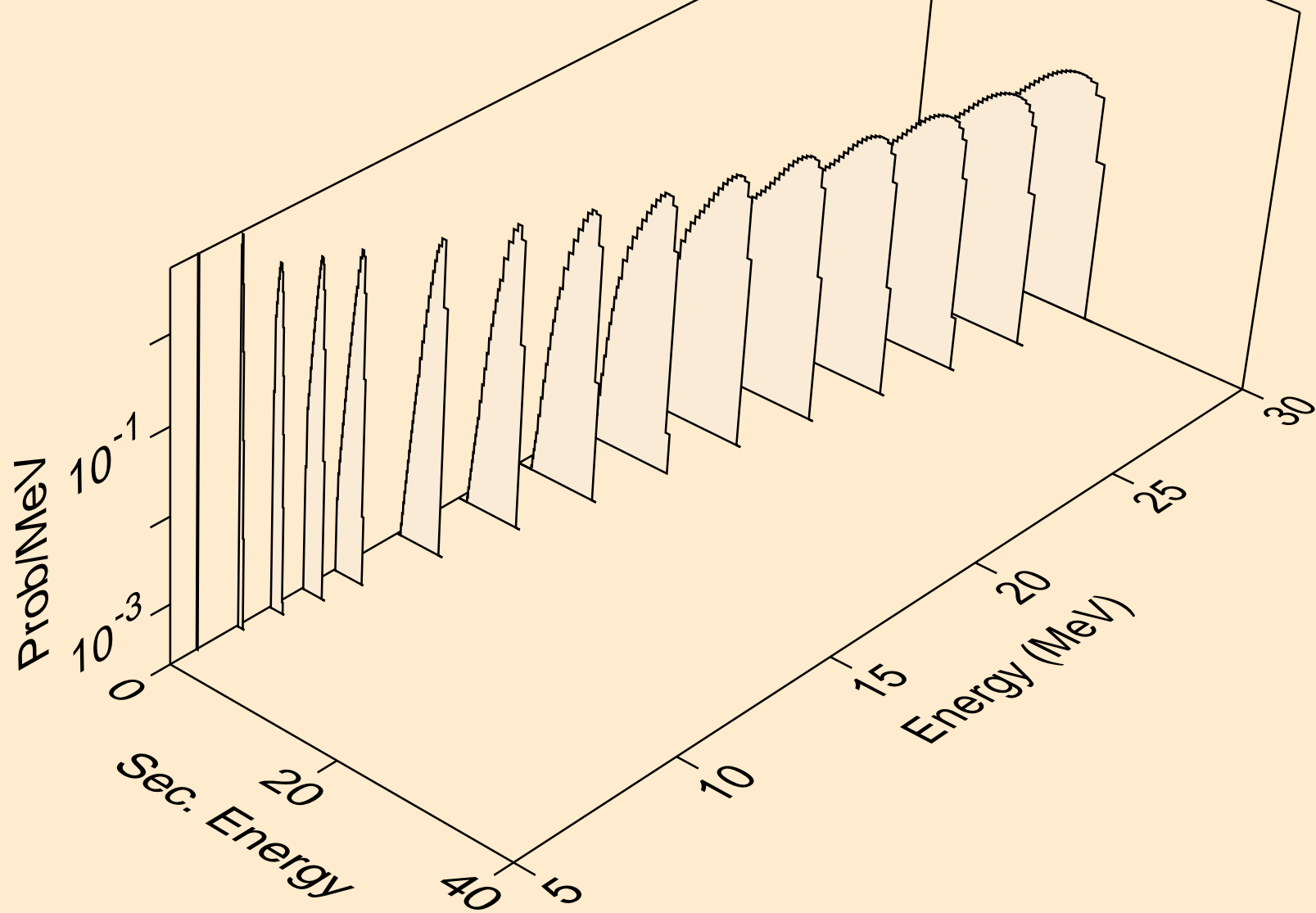
NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,n\*)d



NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,d)

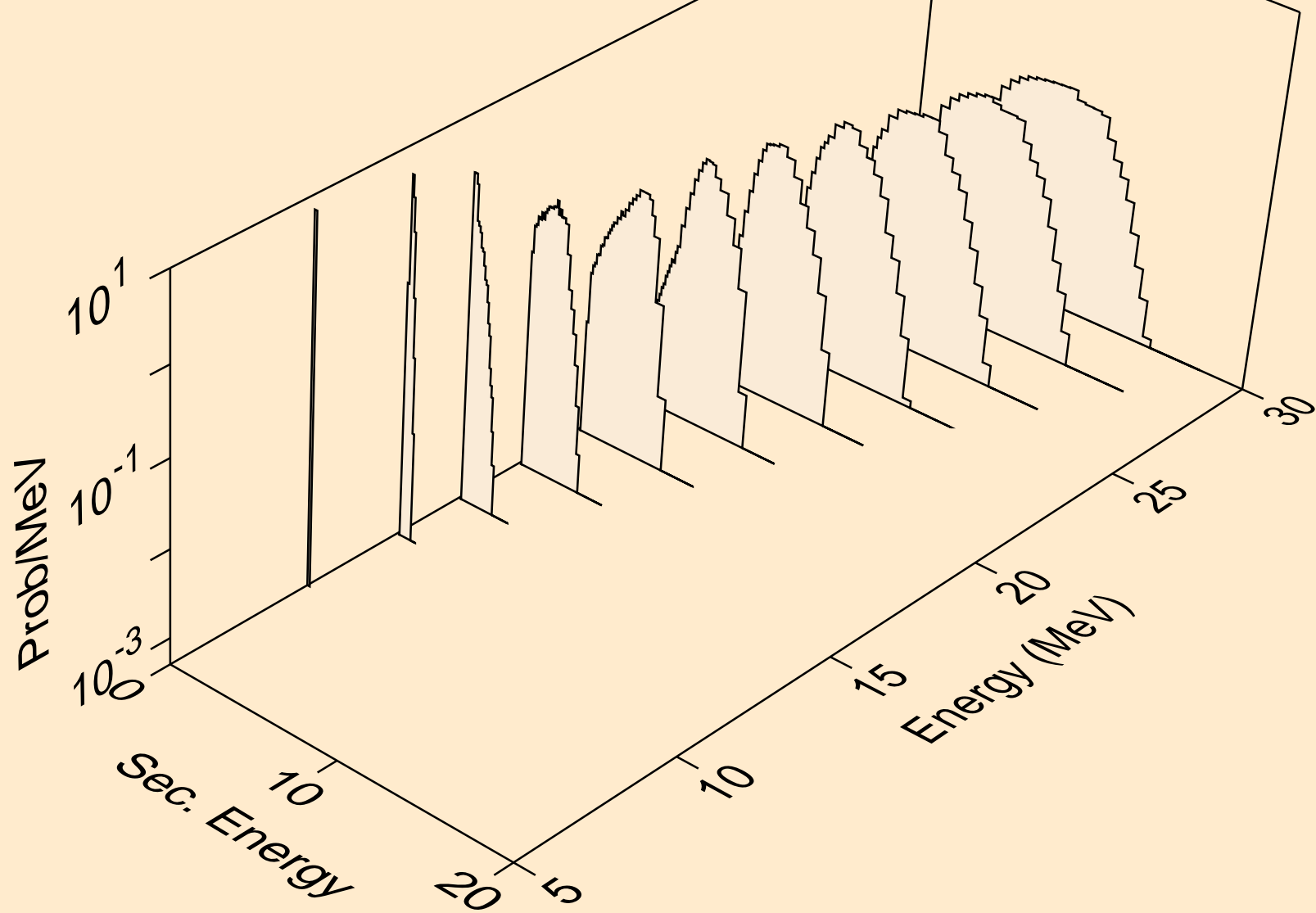


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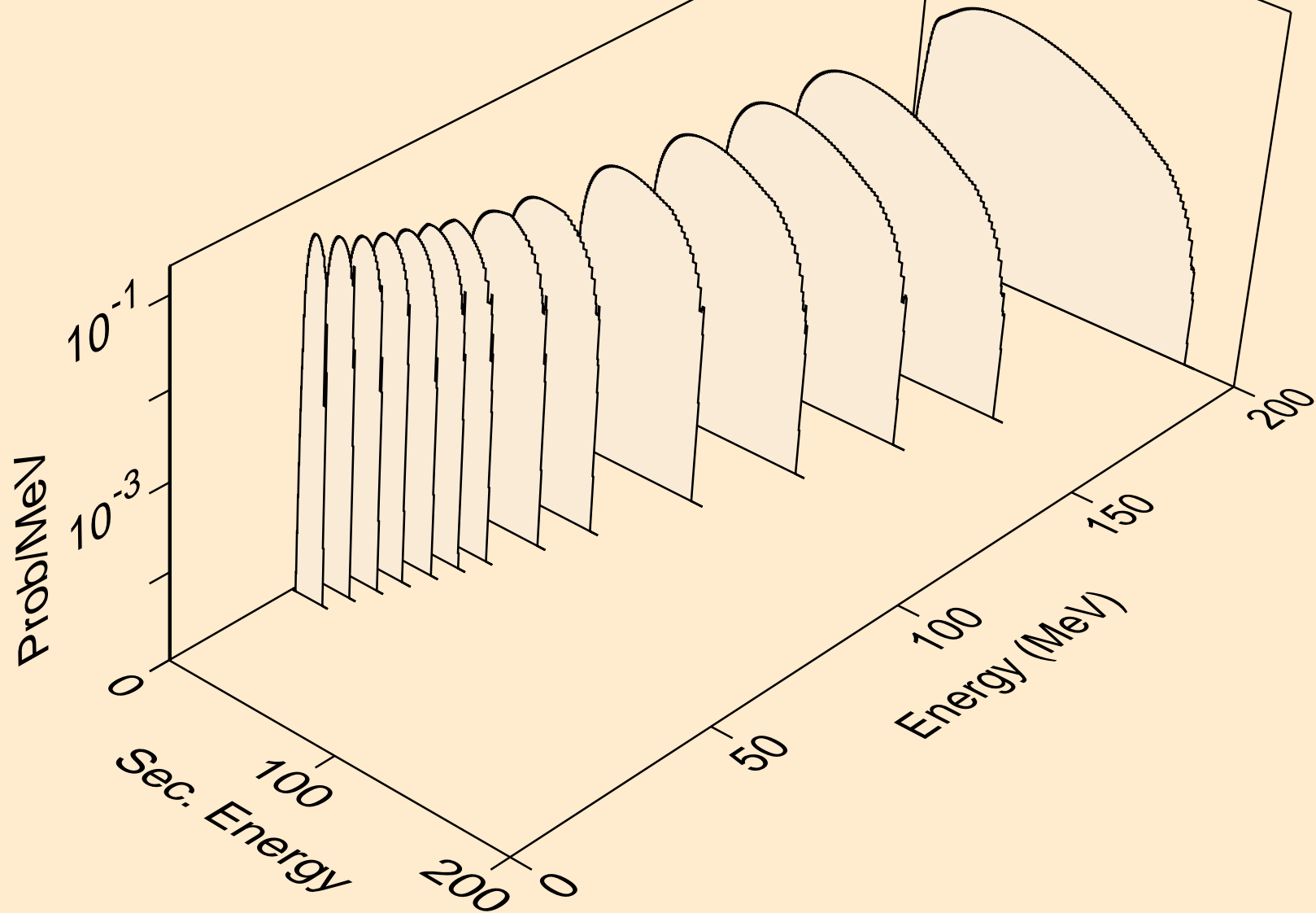




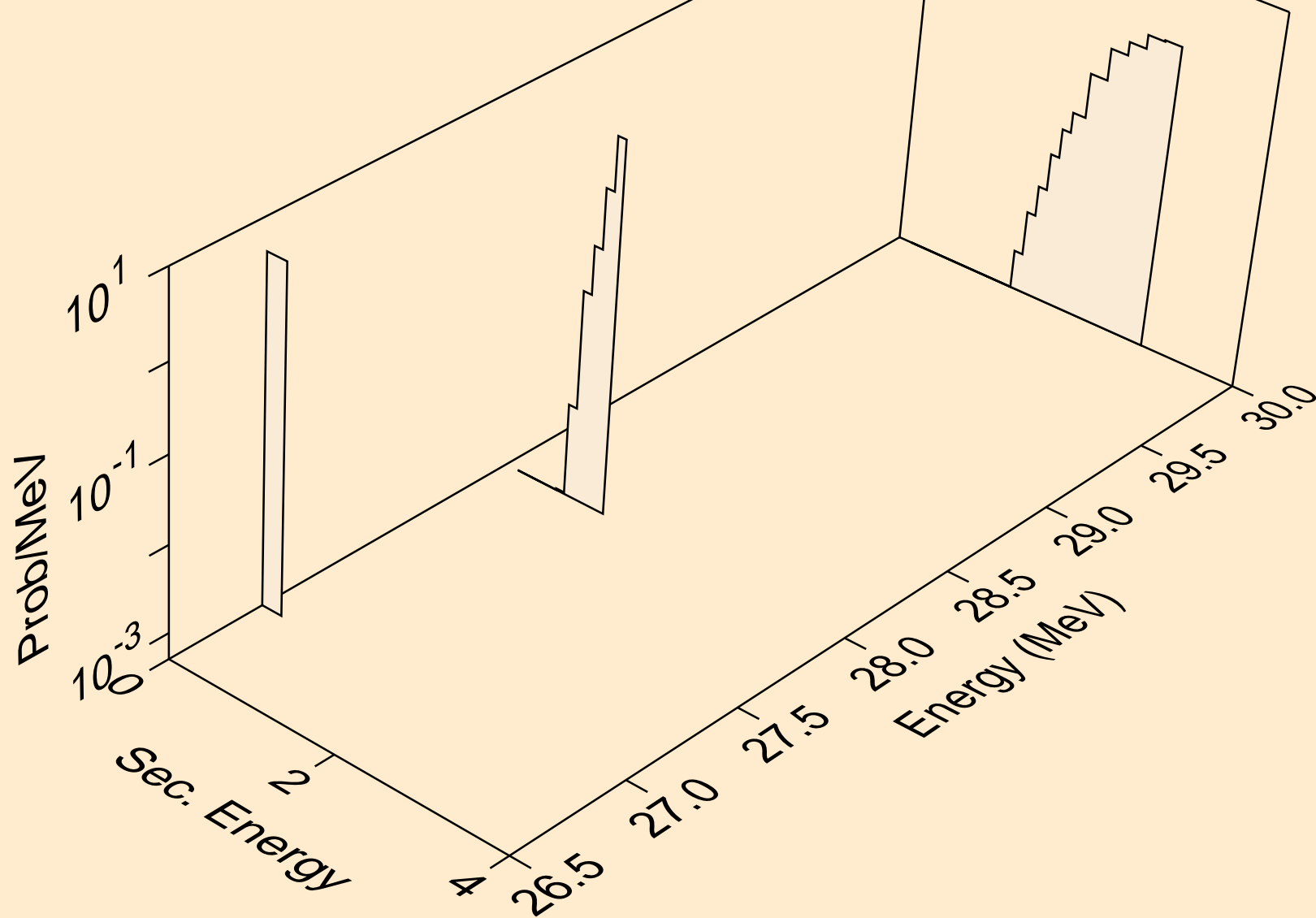
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deuterons from (s,da)



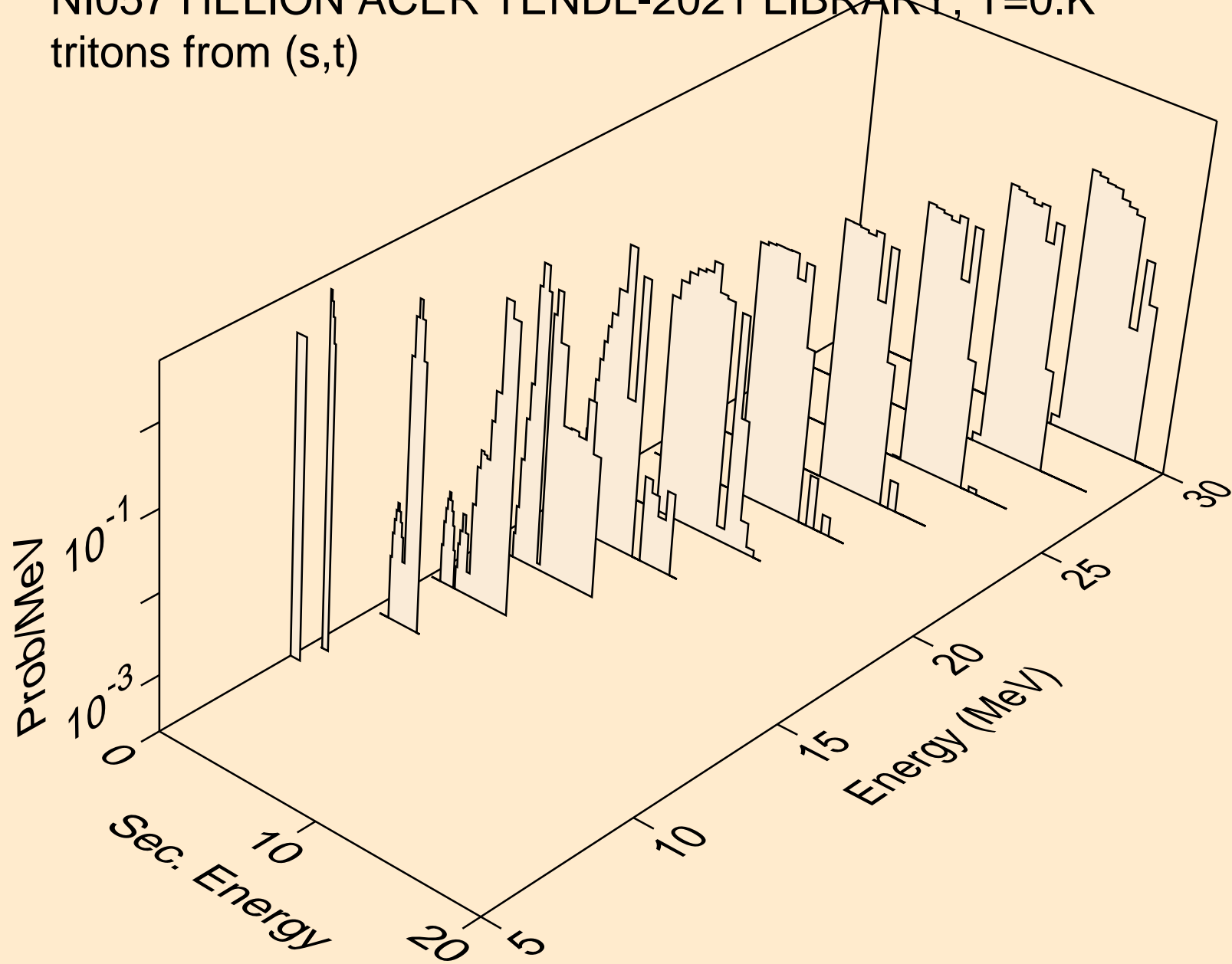
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tritons from (s,x)



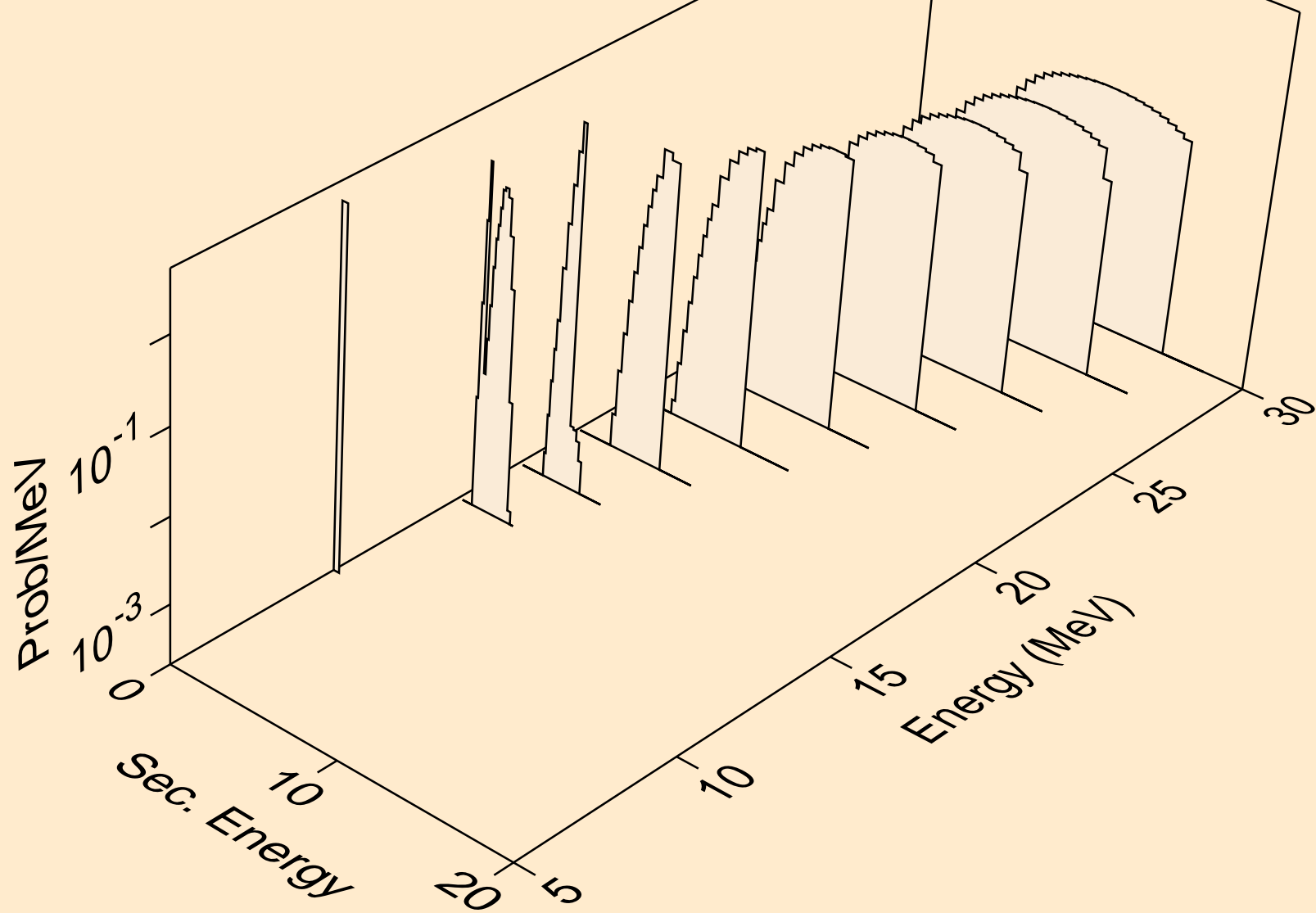
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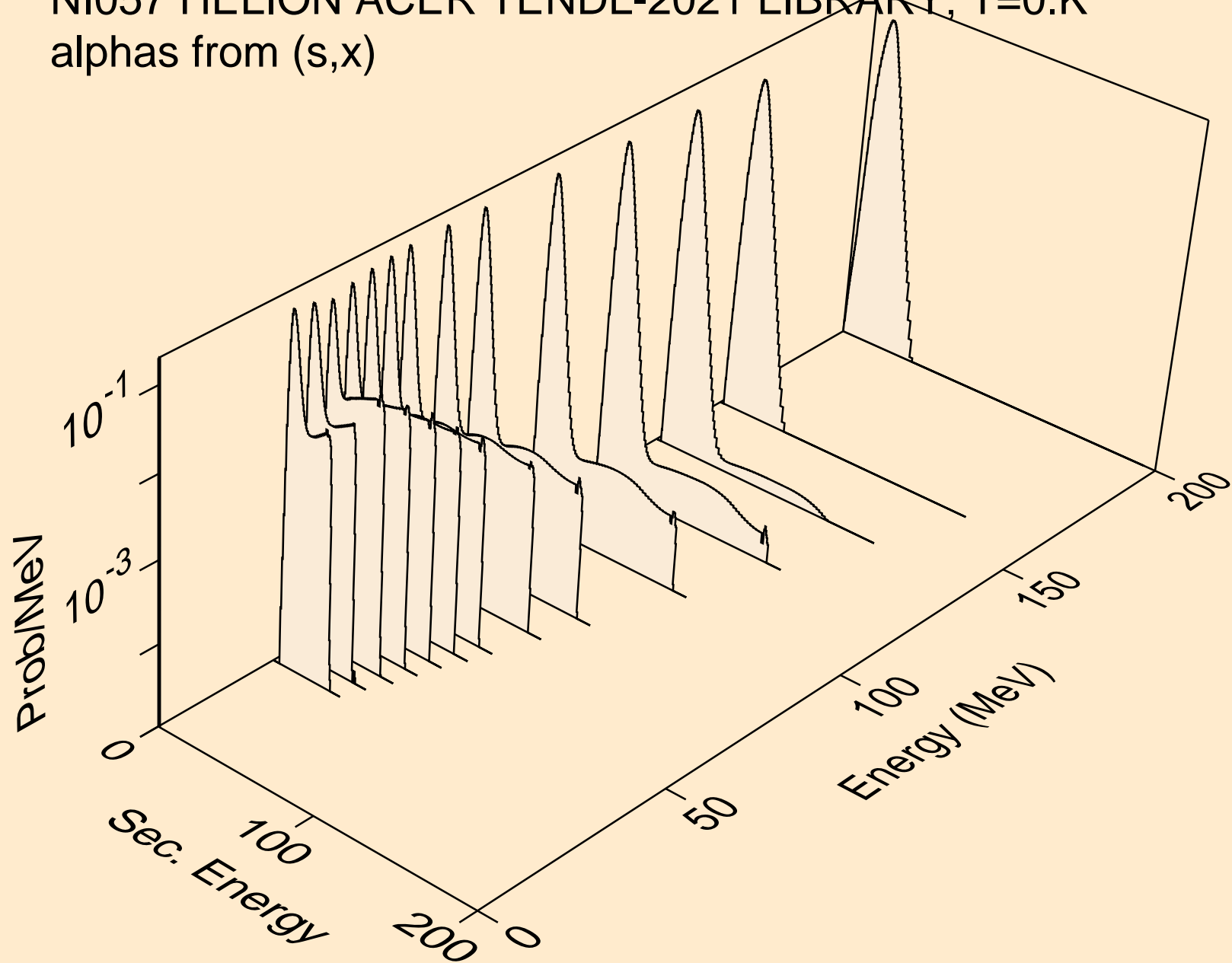
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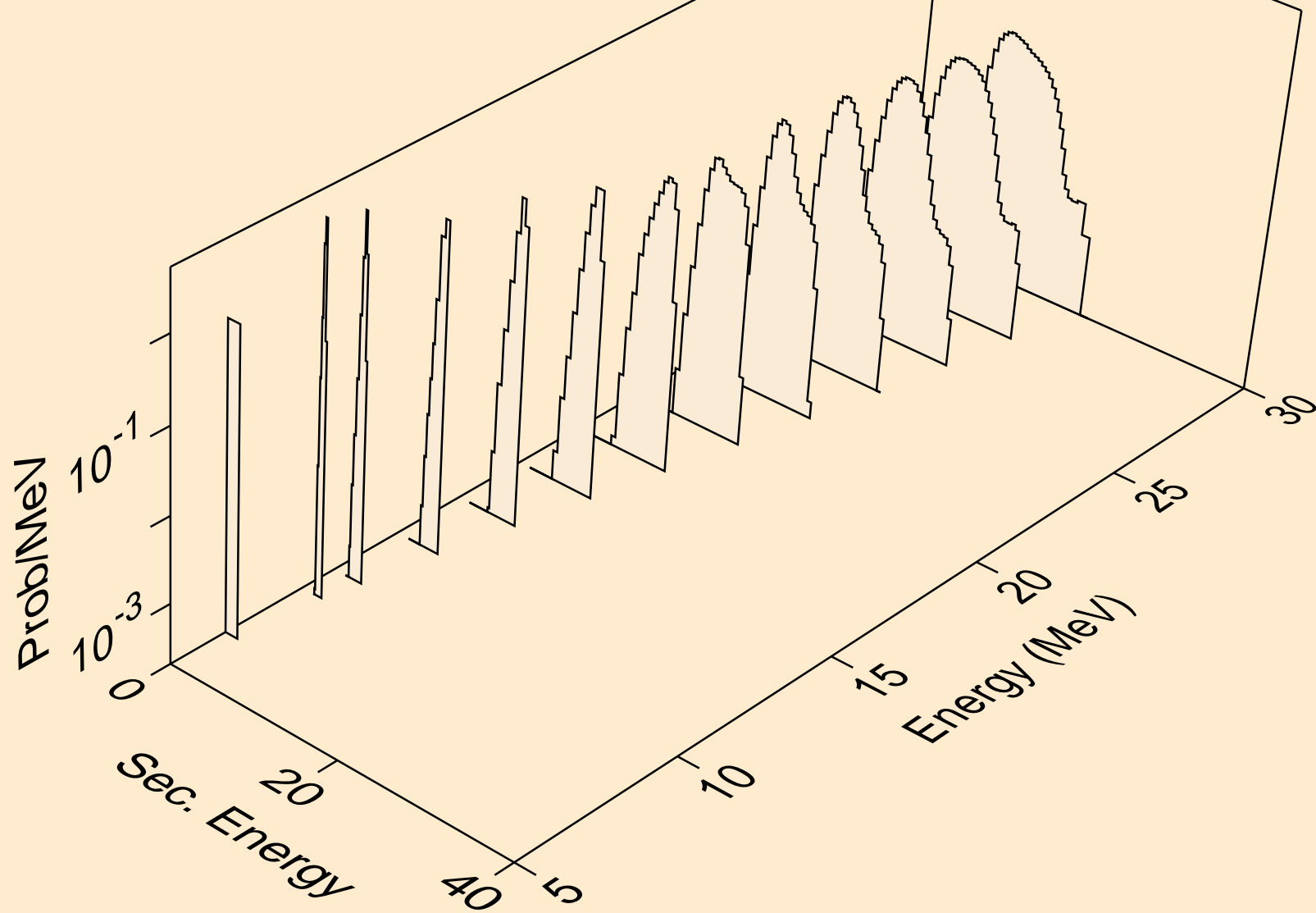
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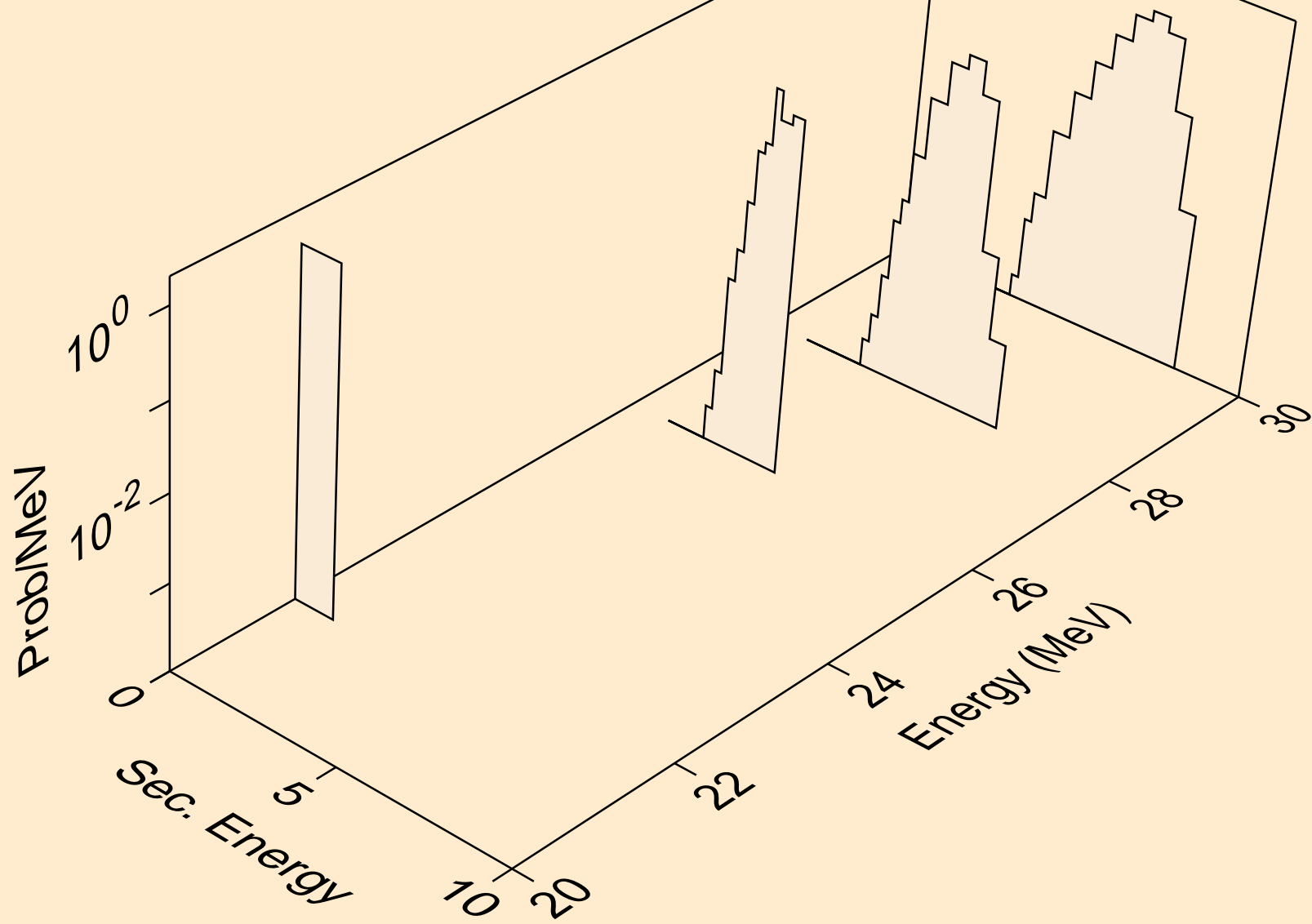
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alphas from (s,x)



NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,n\*)a

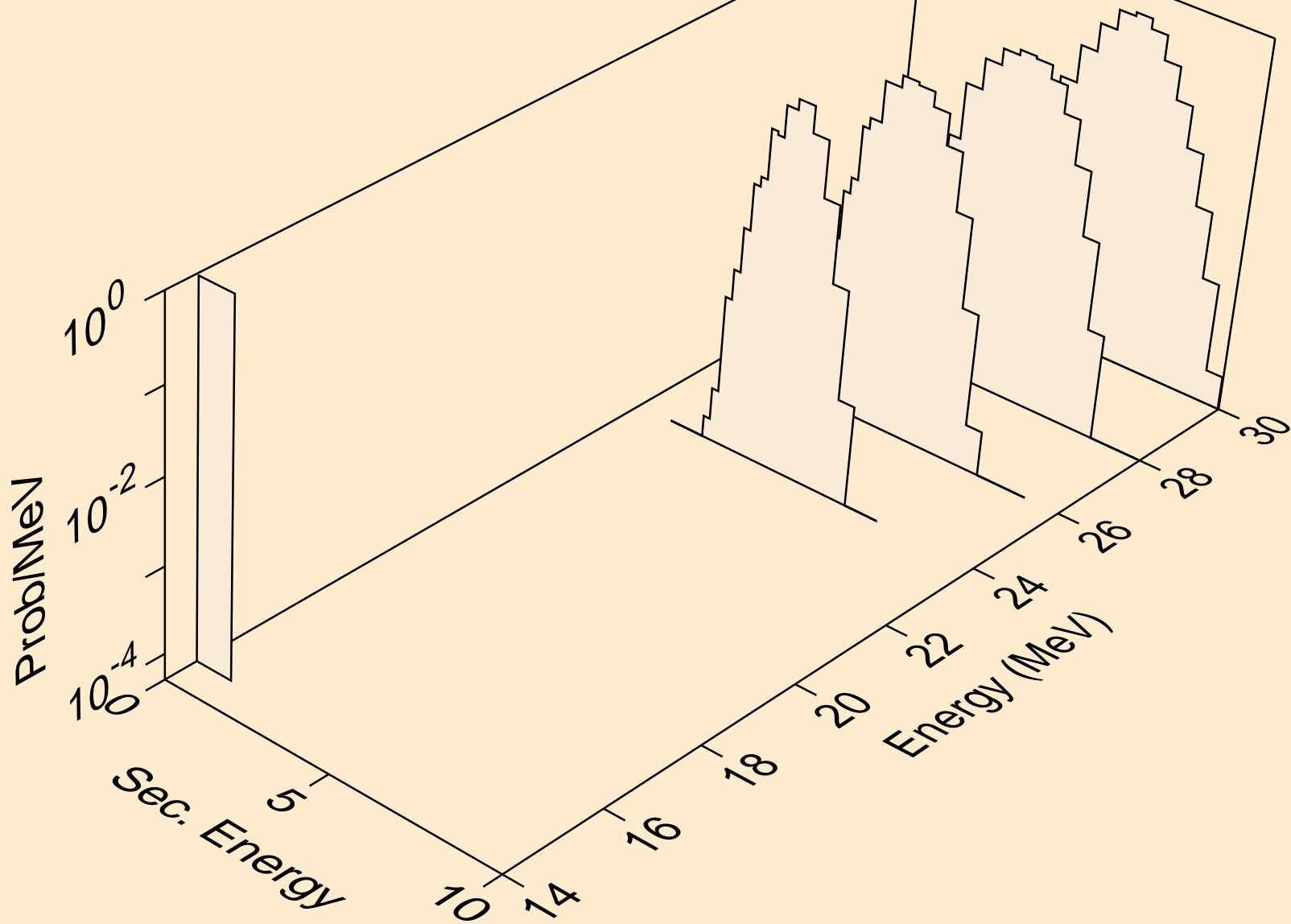


NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,2n)a

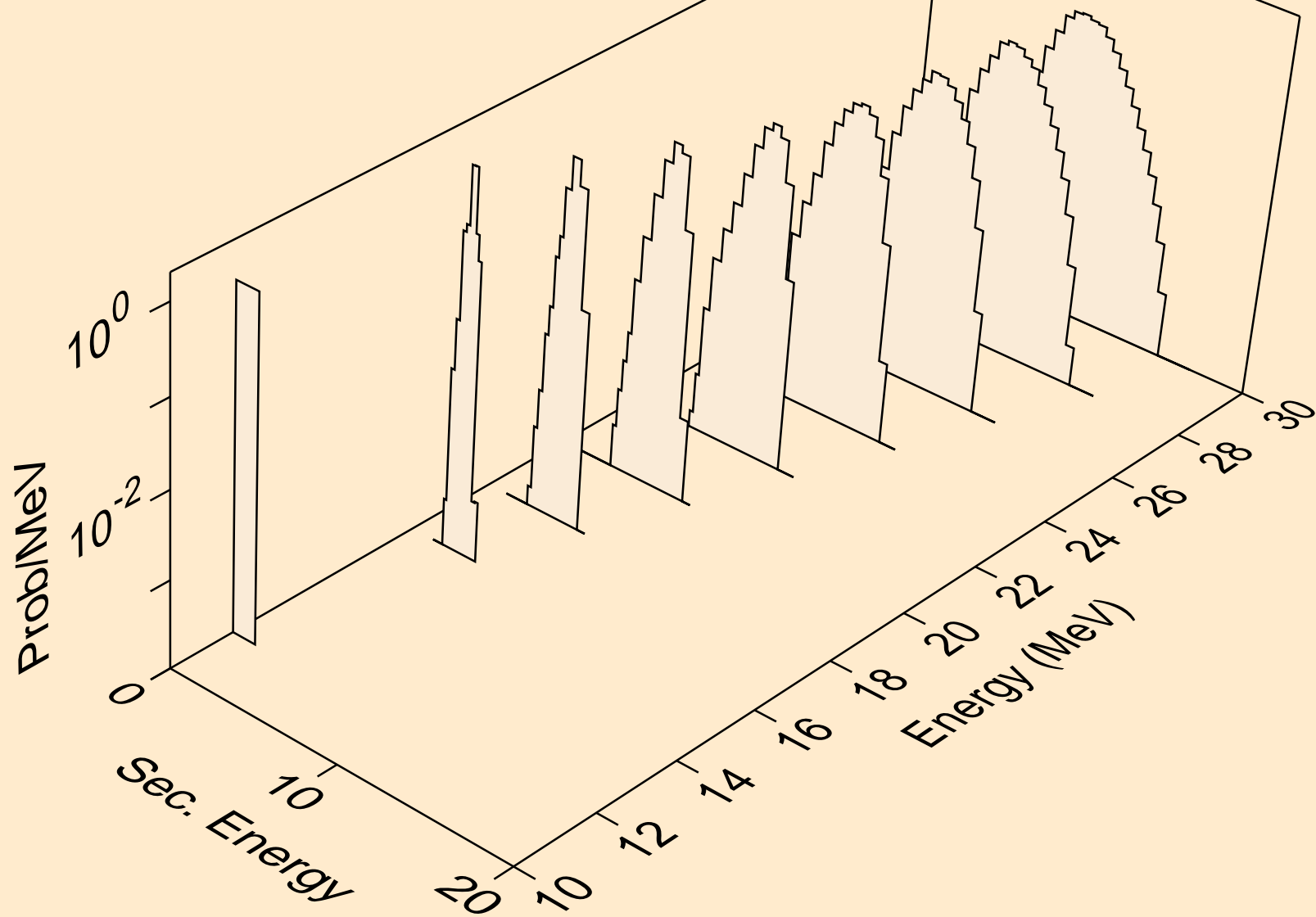




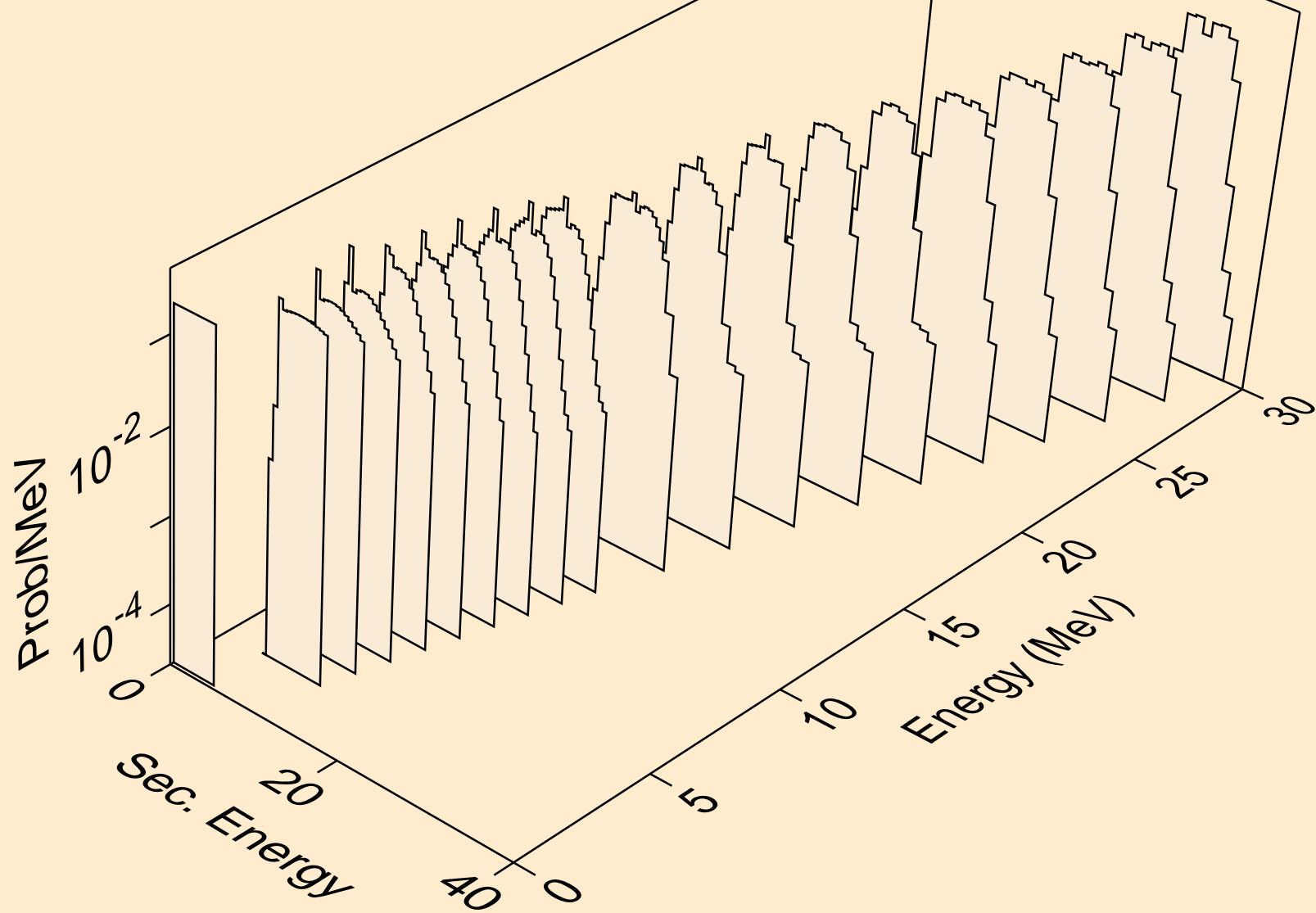
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alphas from (s,n\*)2a



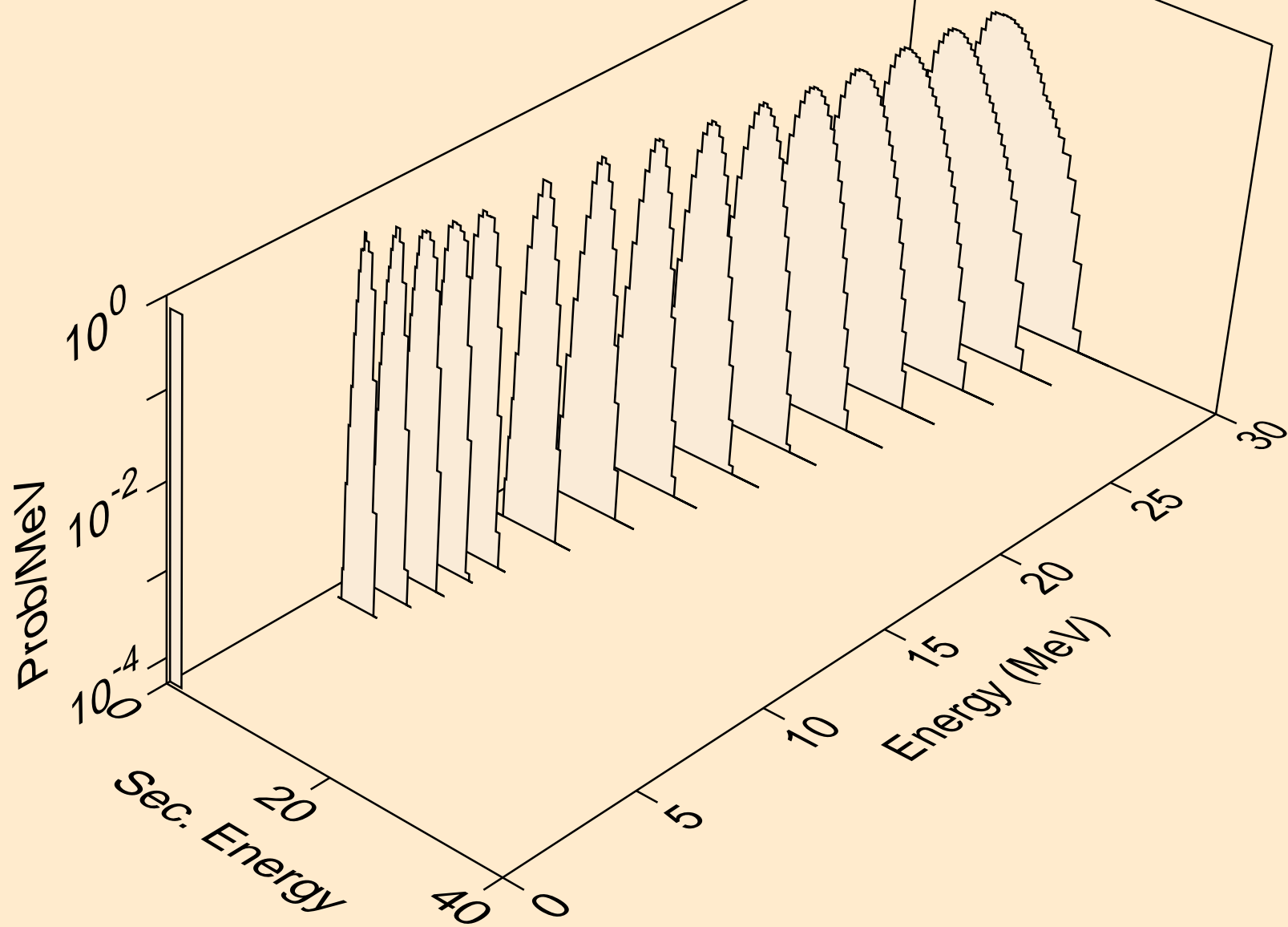
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alphas from (s,npa)



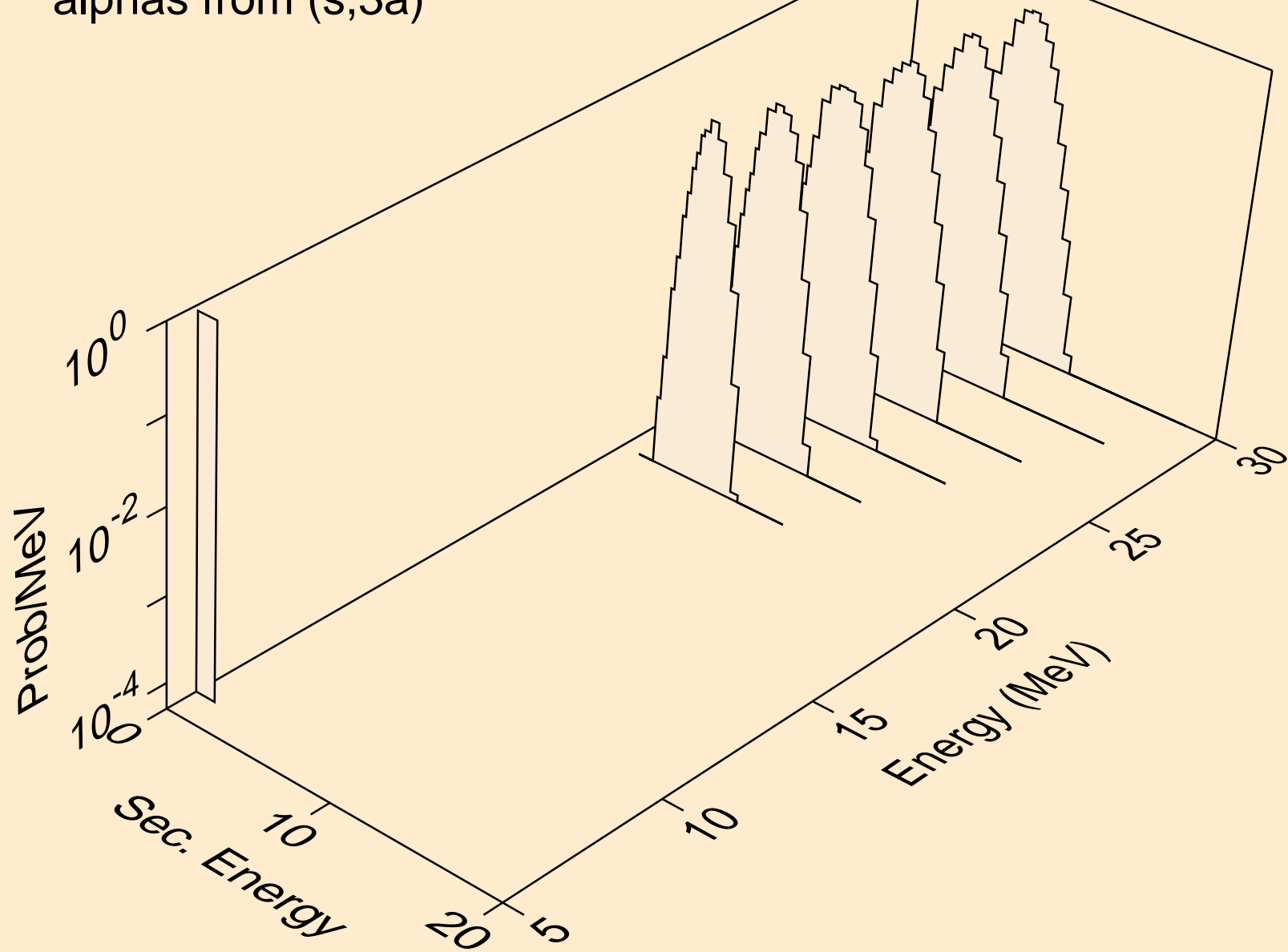
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alphas from (s,a)



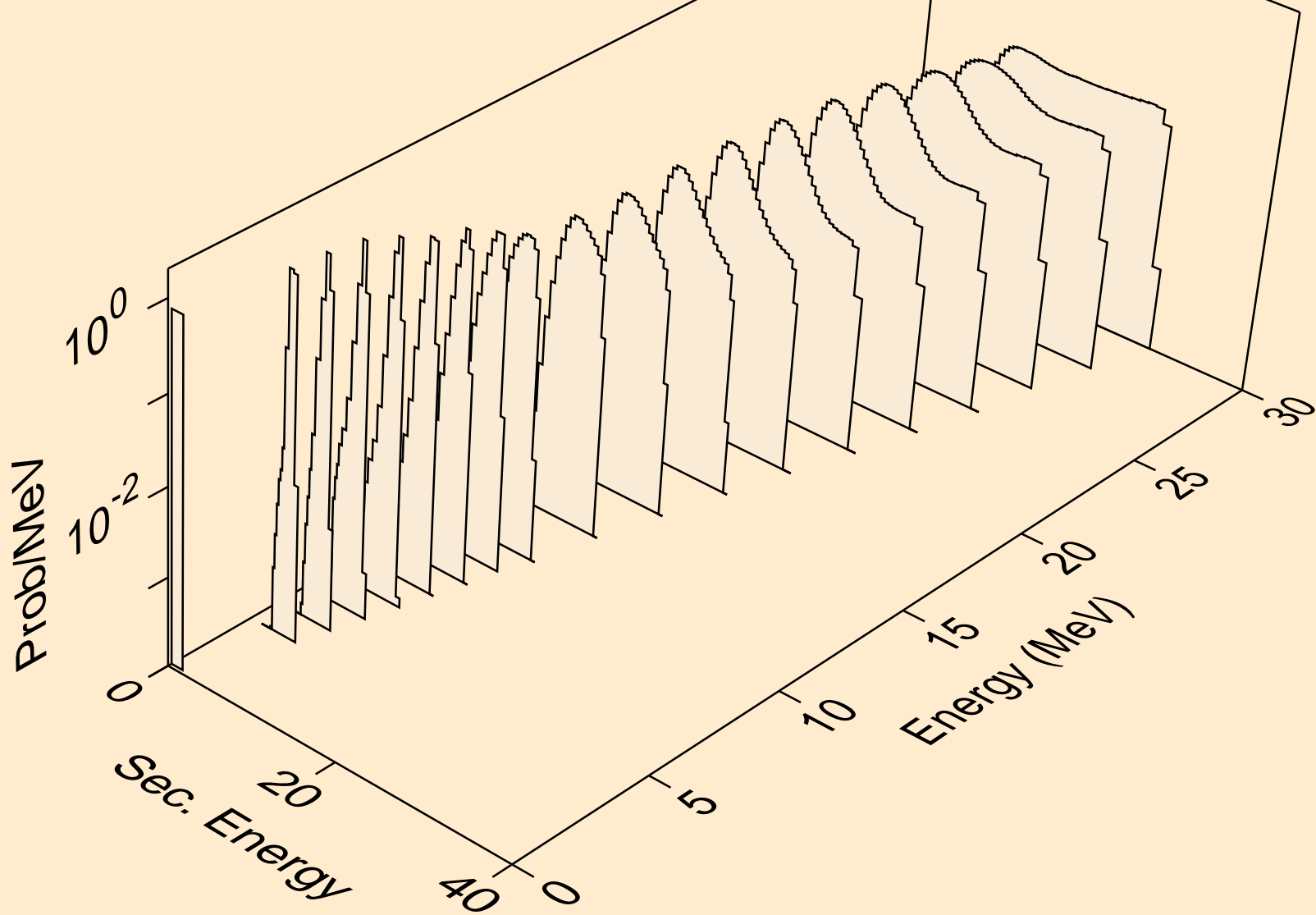
NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,2a)



NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,3a)



NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,pa)



NI057 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,da)

