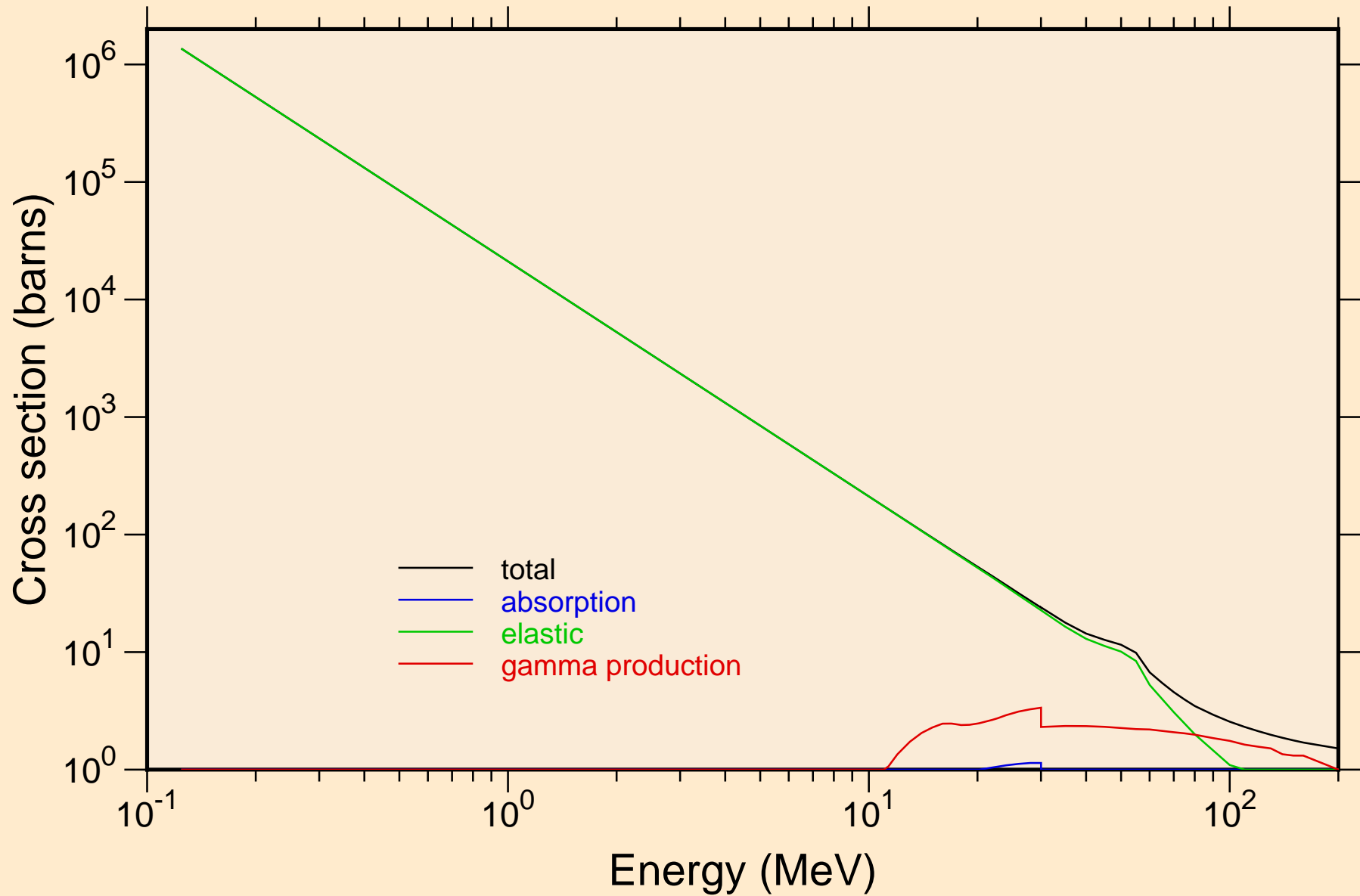


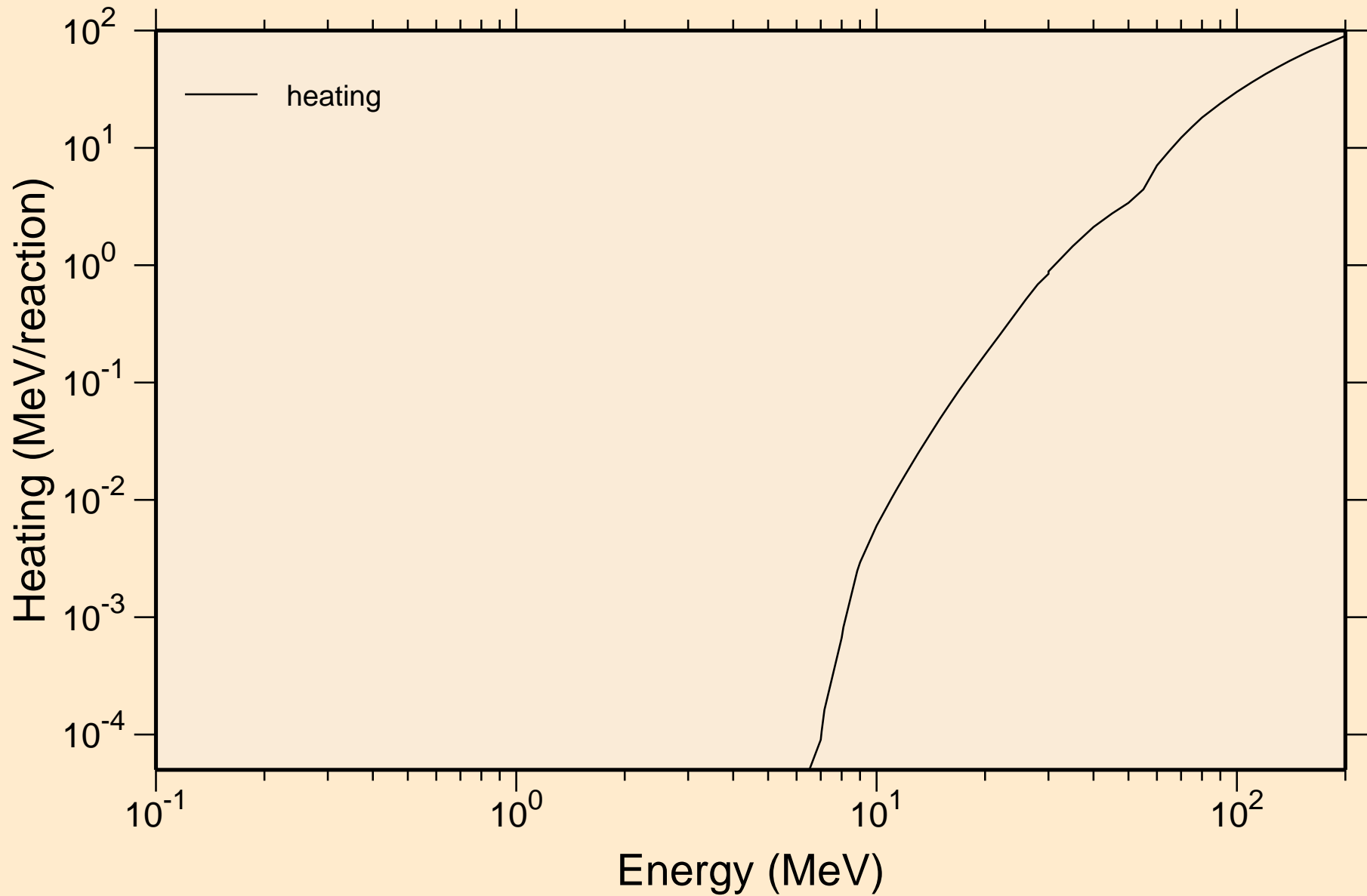
# NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



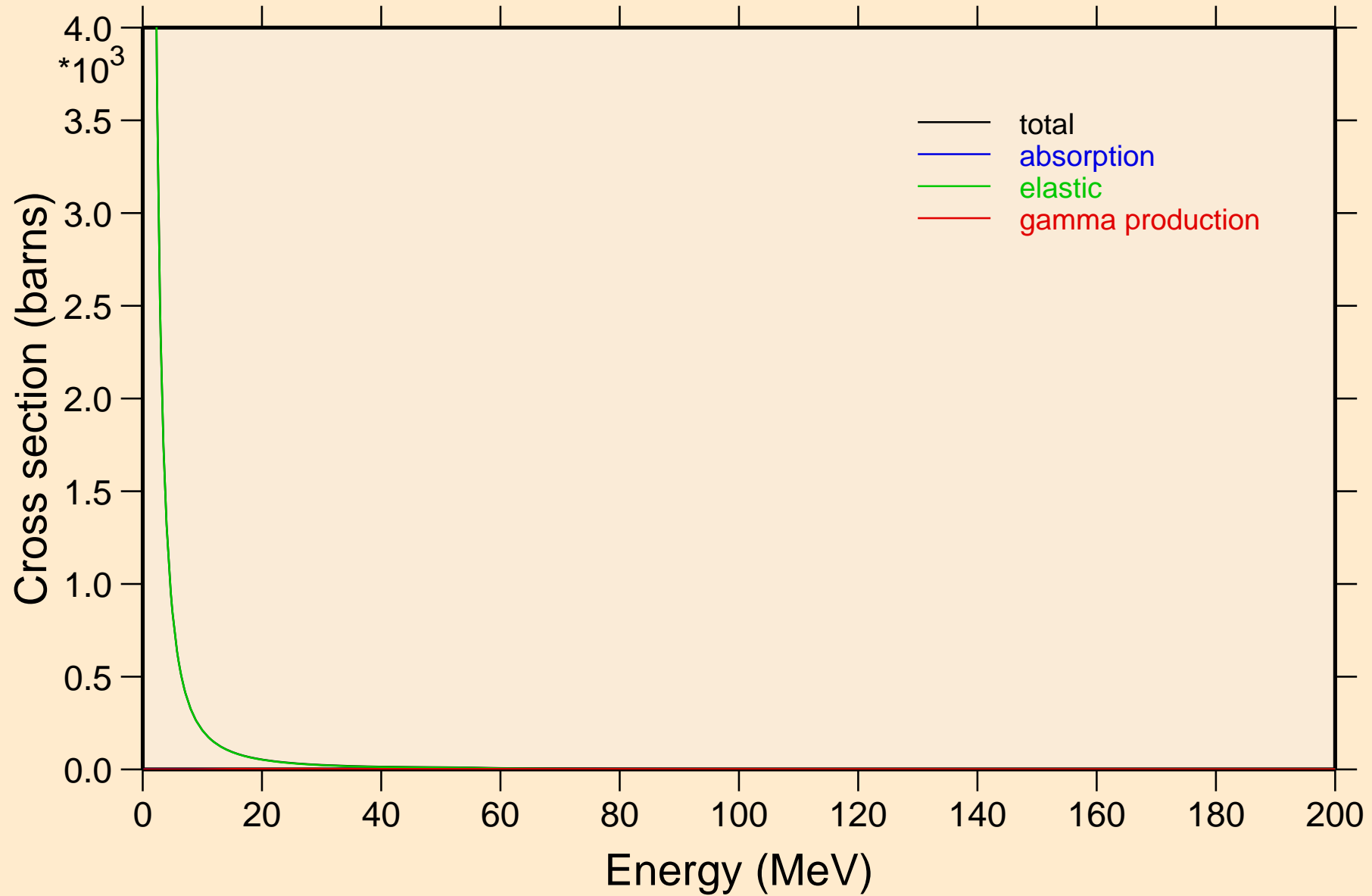
NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K

Heating

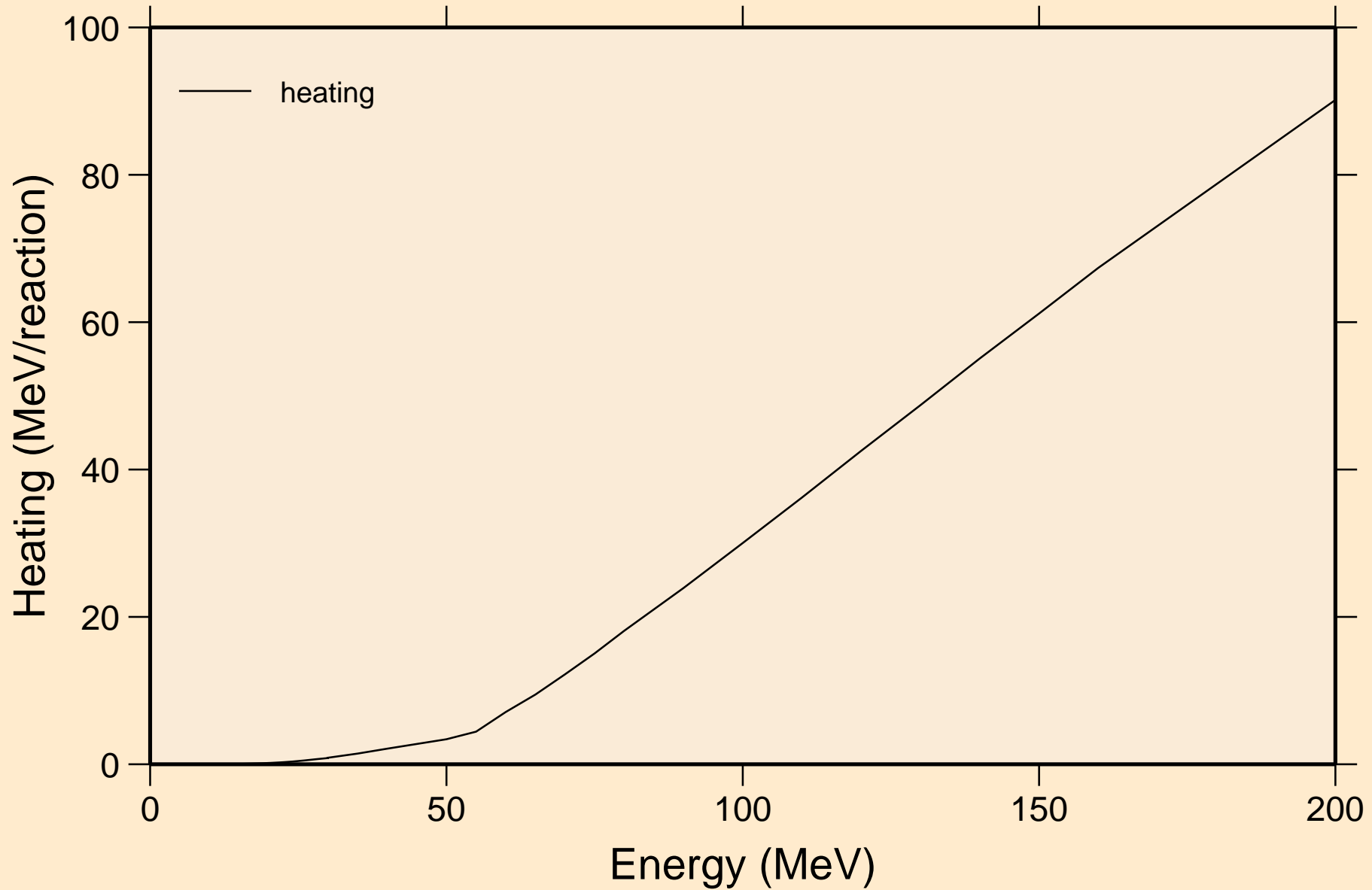


# NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K

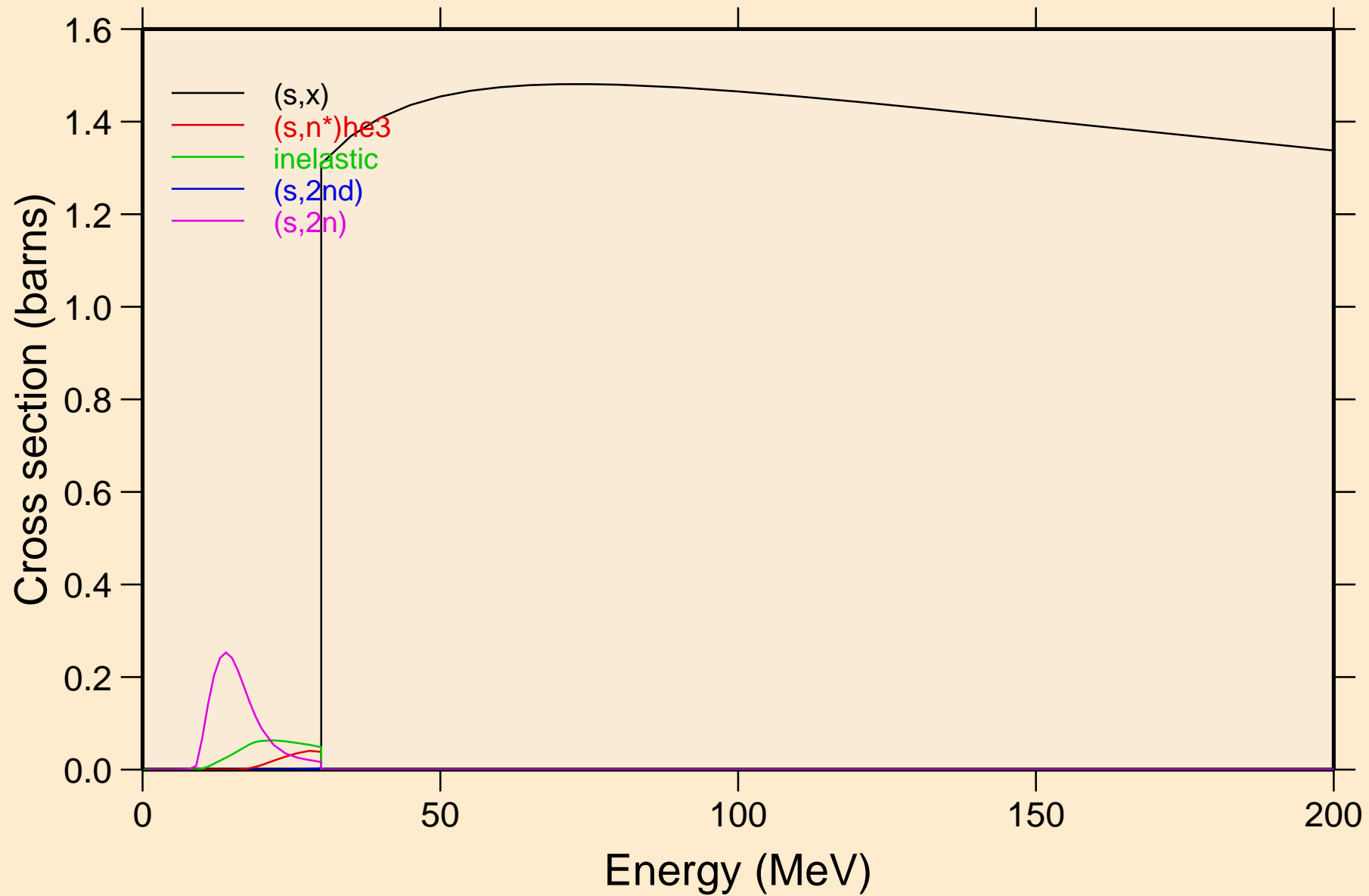
## Principal cross sections



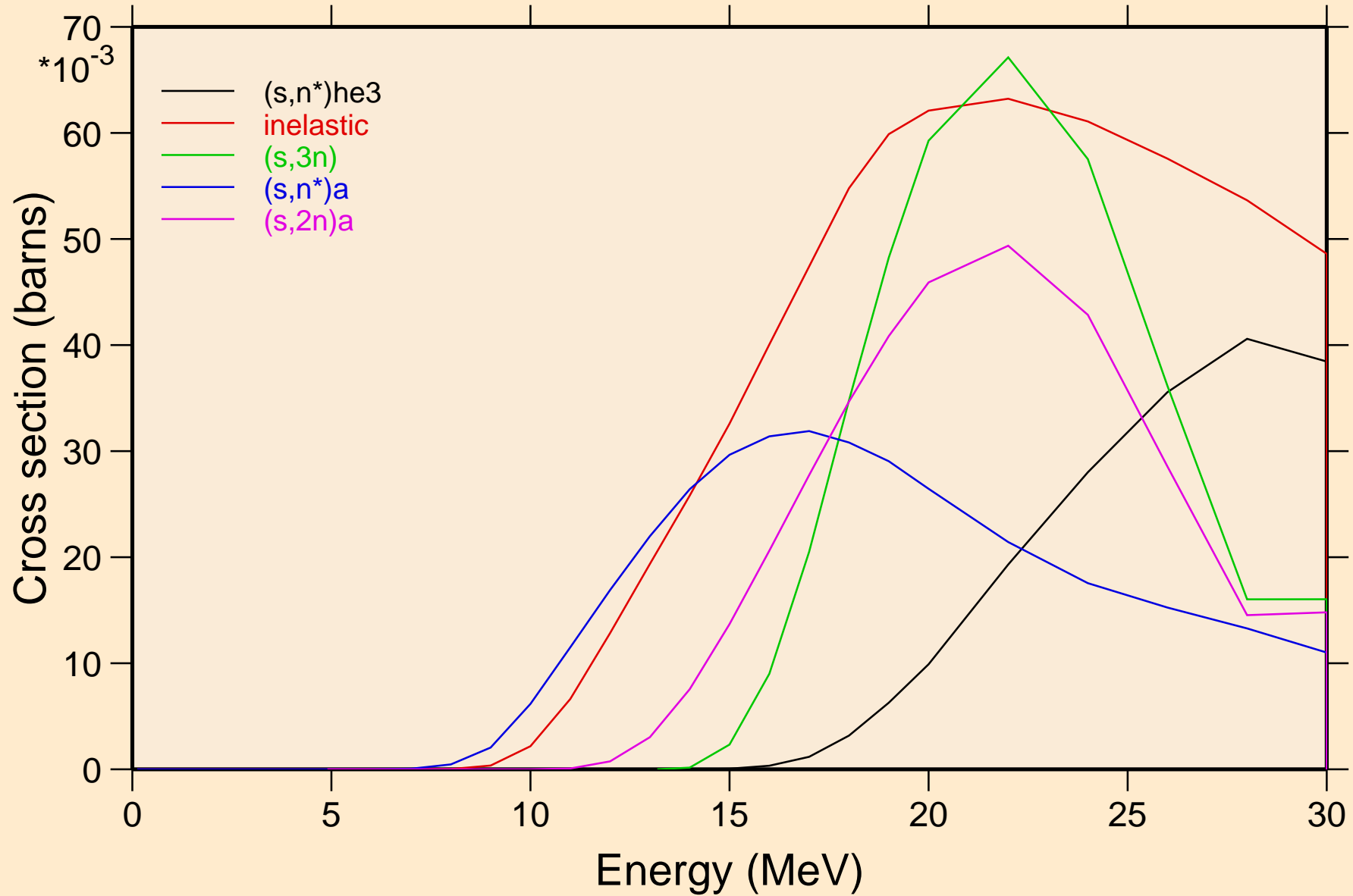
NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Heating



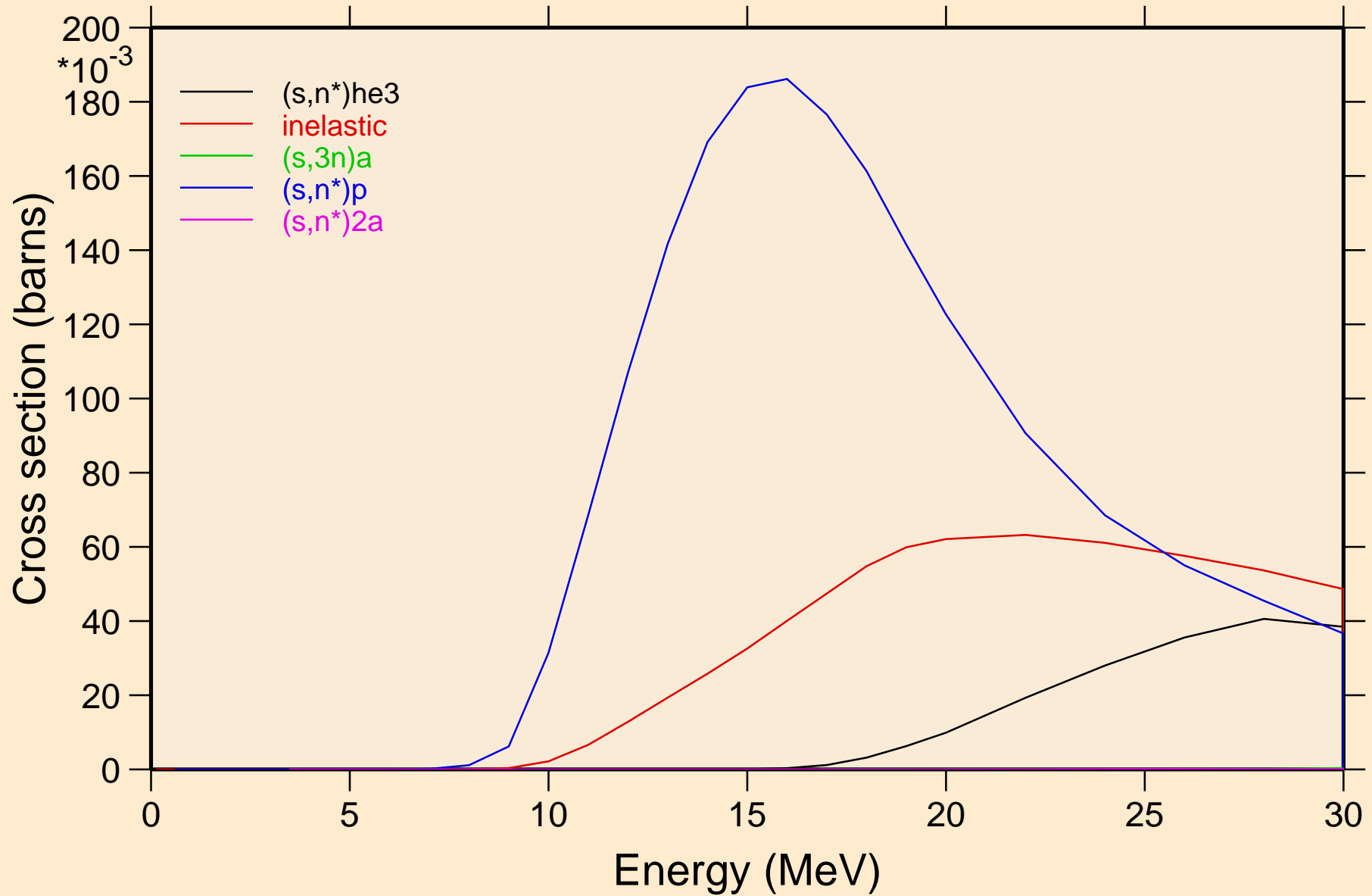
NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

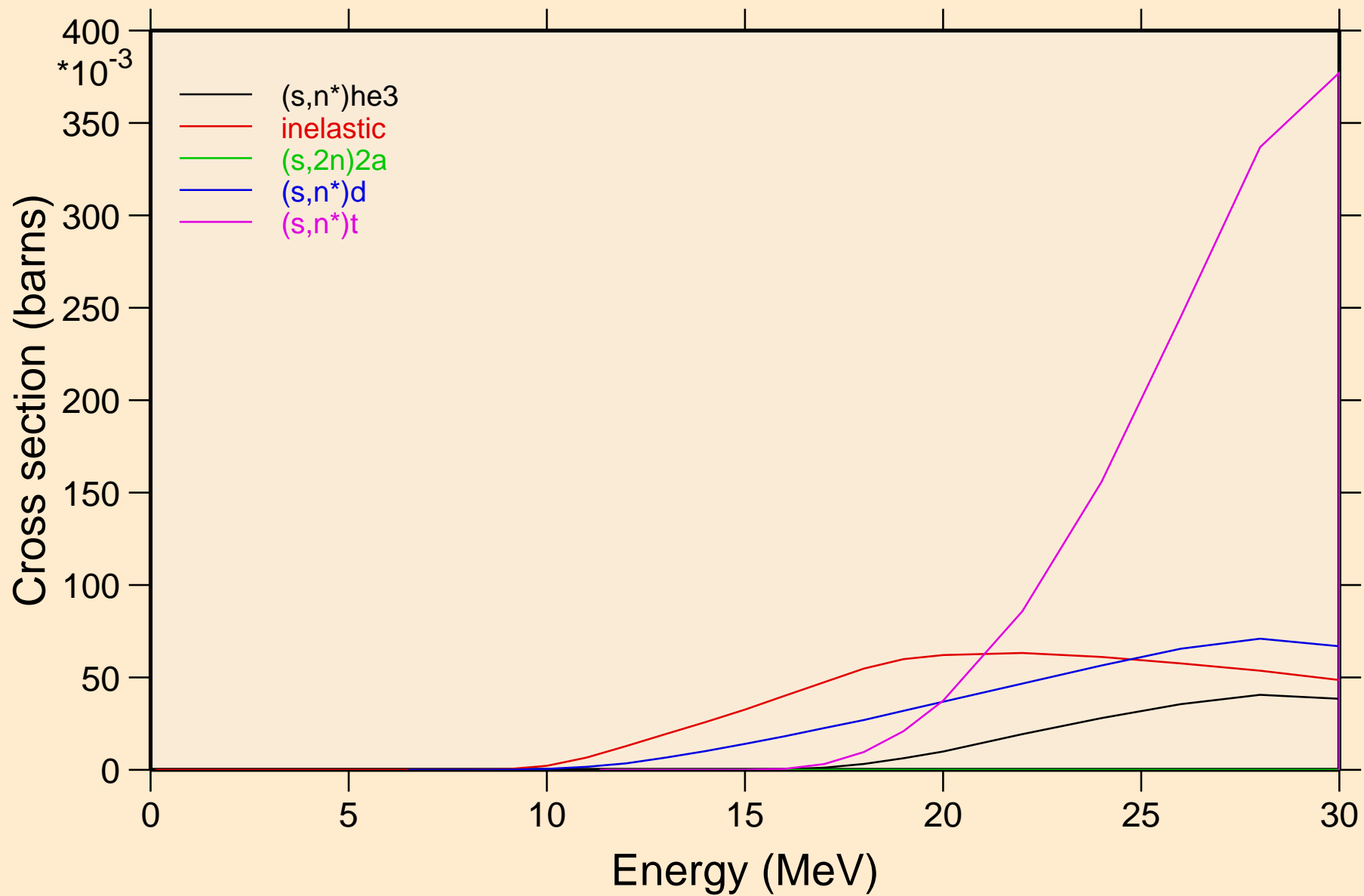


NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



# NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K

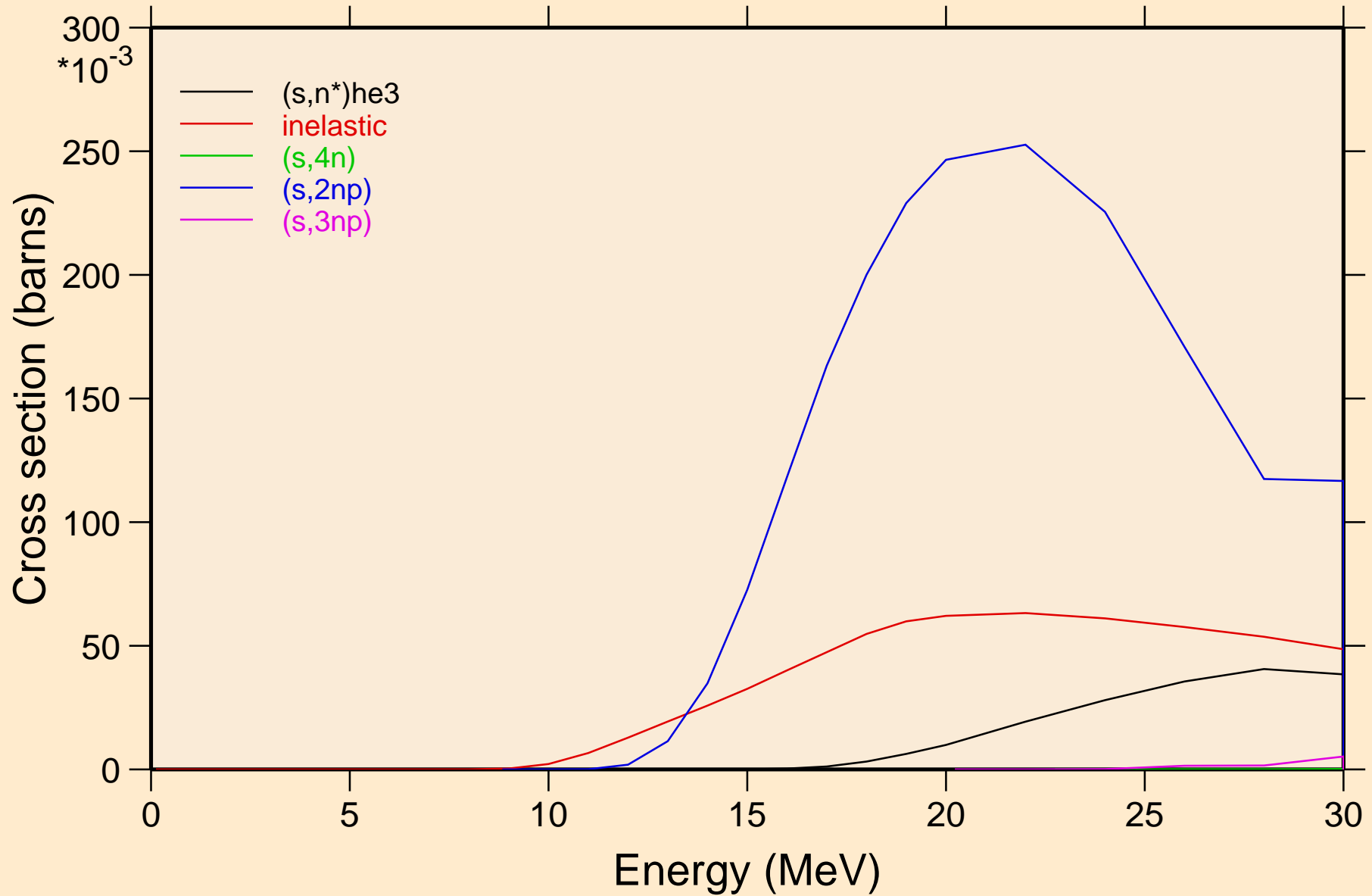
## Threshold reactions



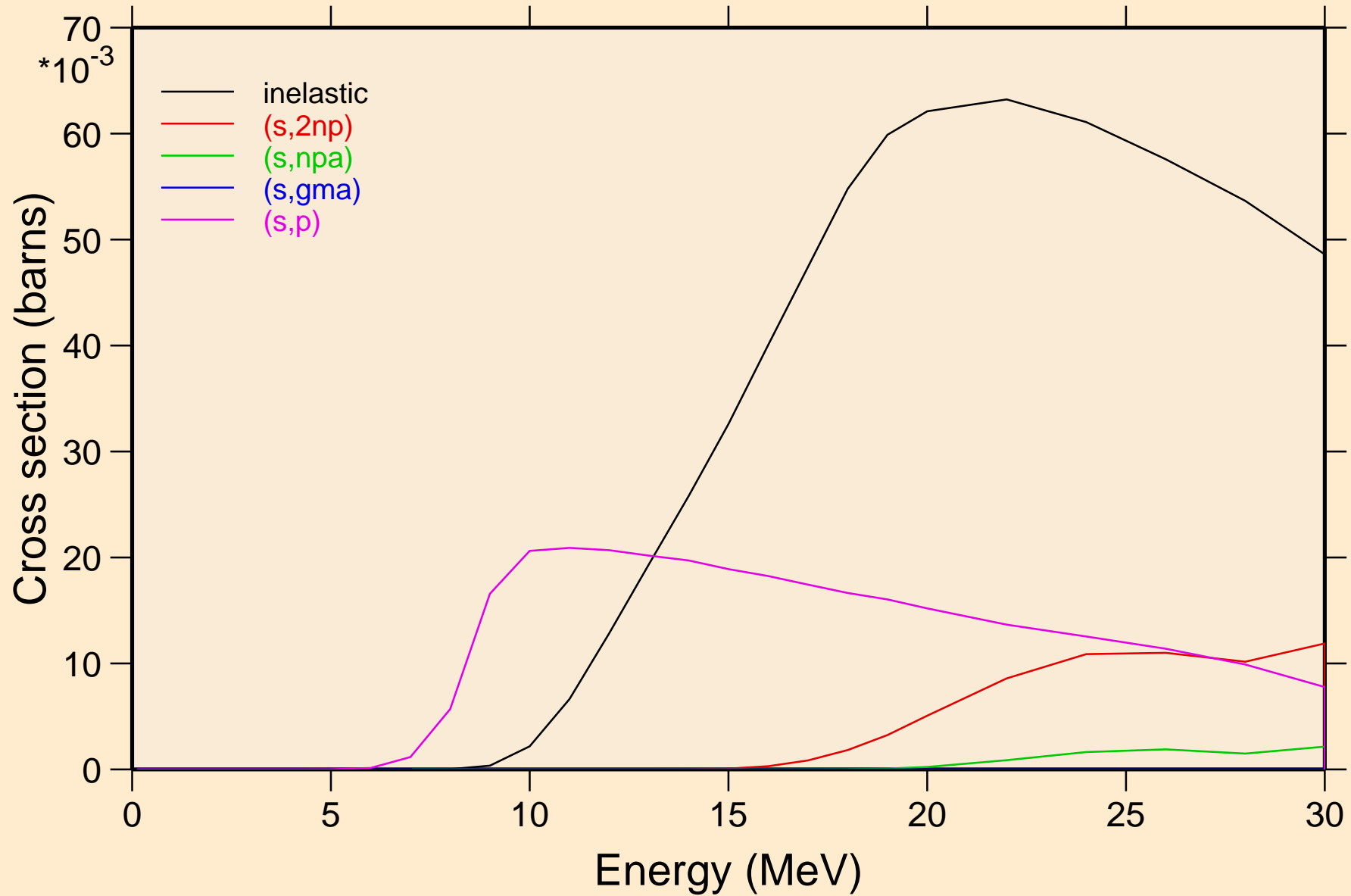


# NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K

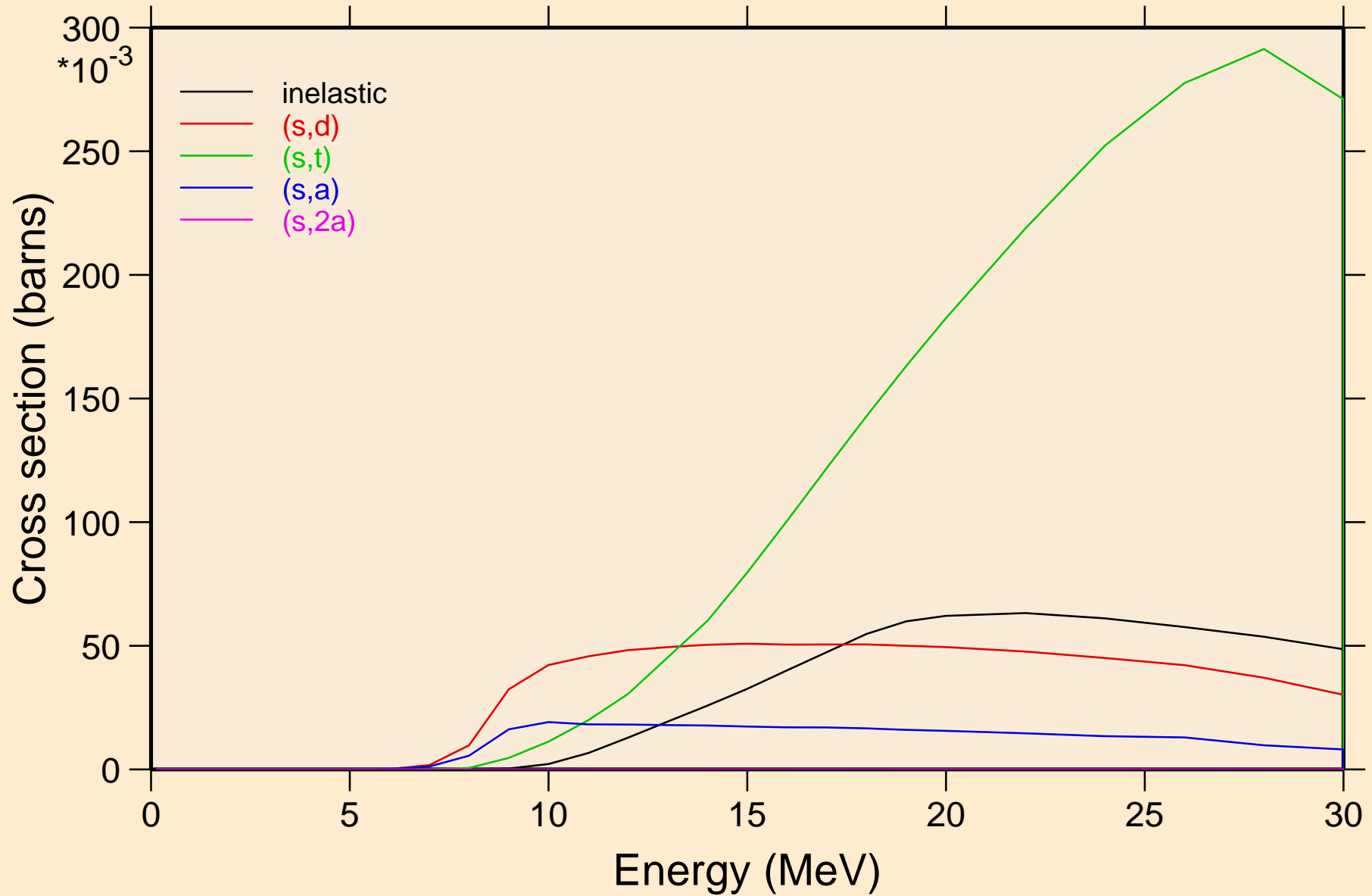
## Threshold reactions



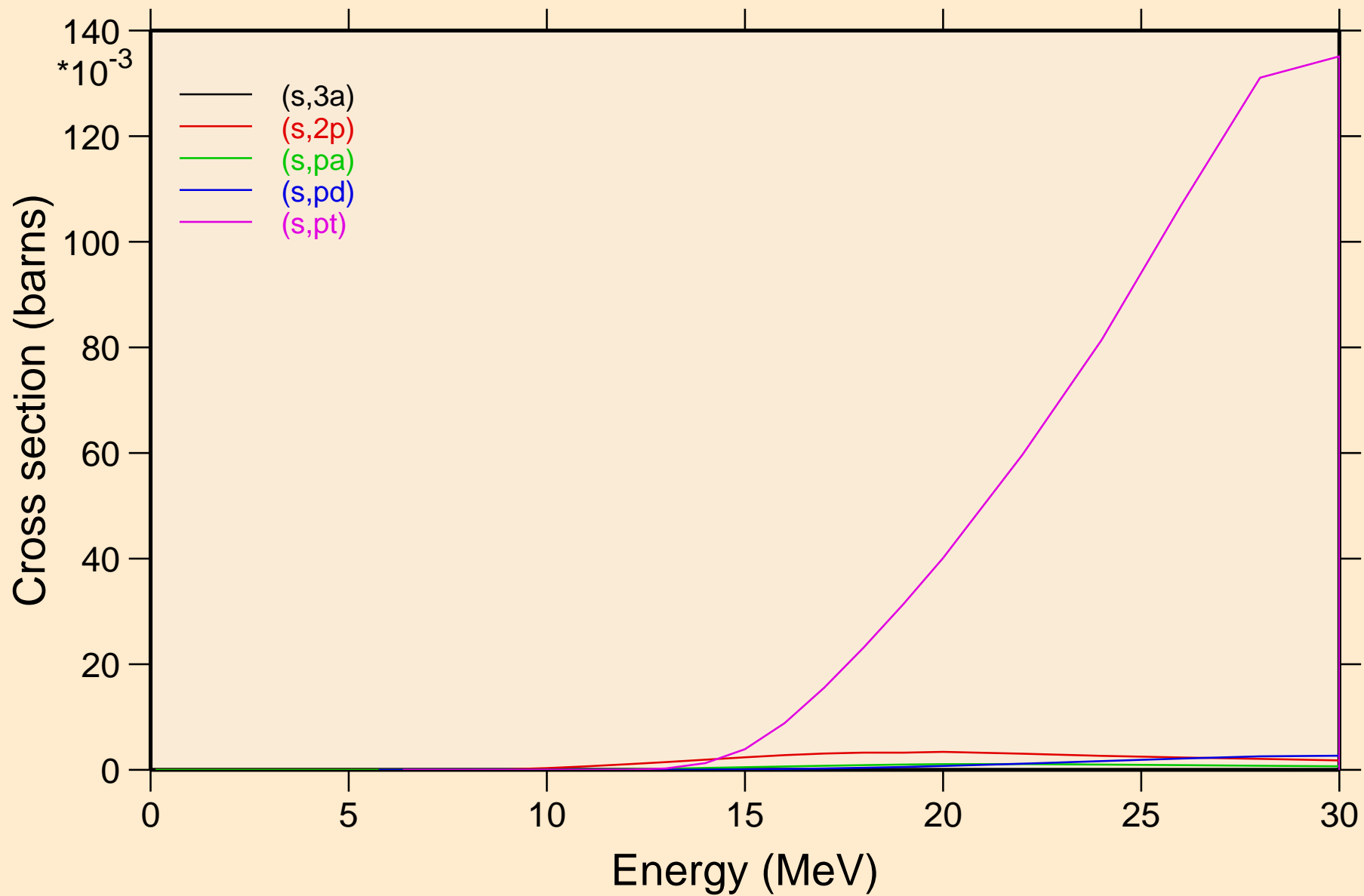
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Threshold reactions



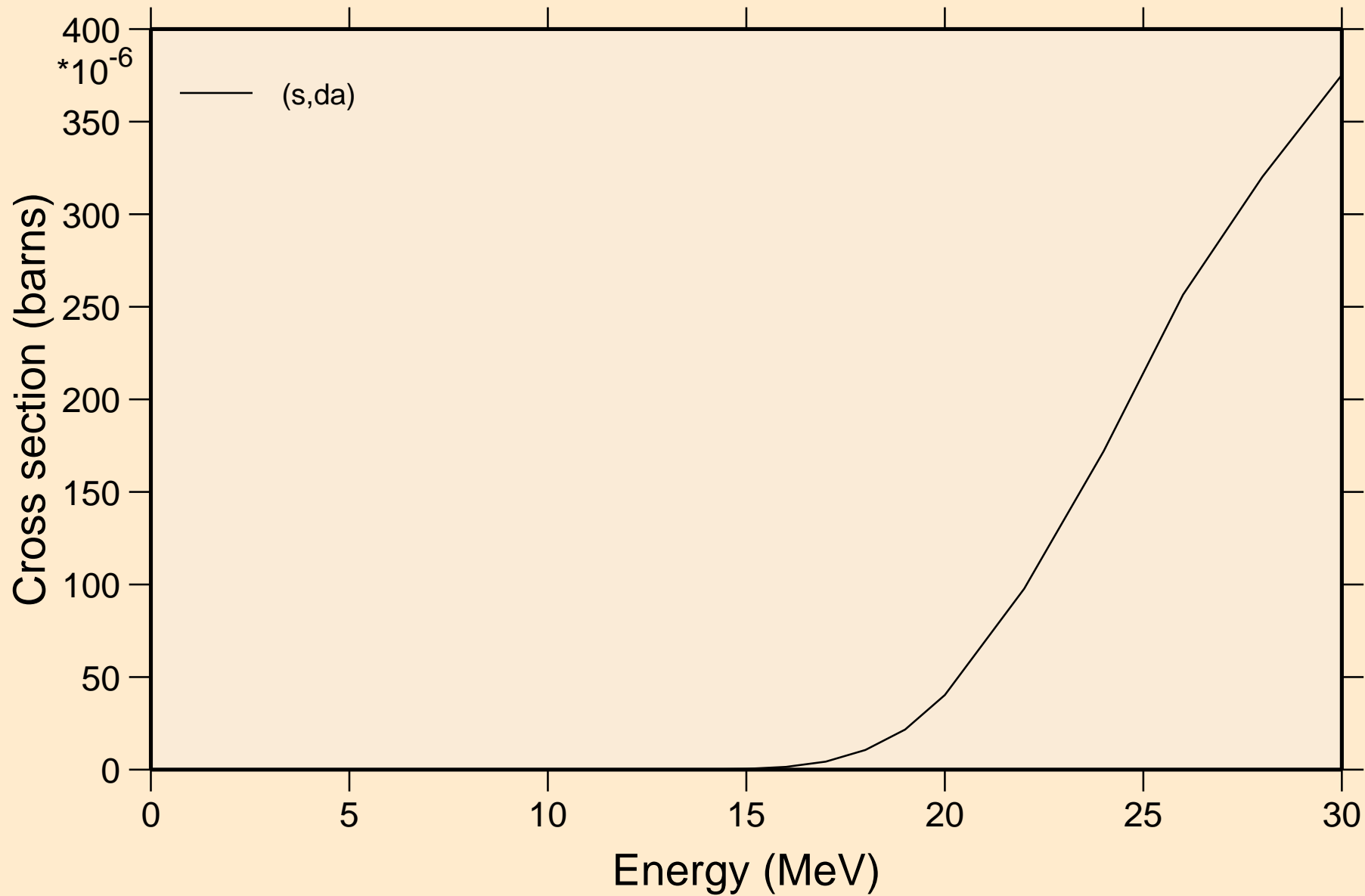
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Threshold reactions



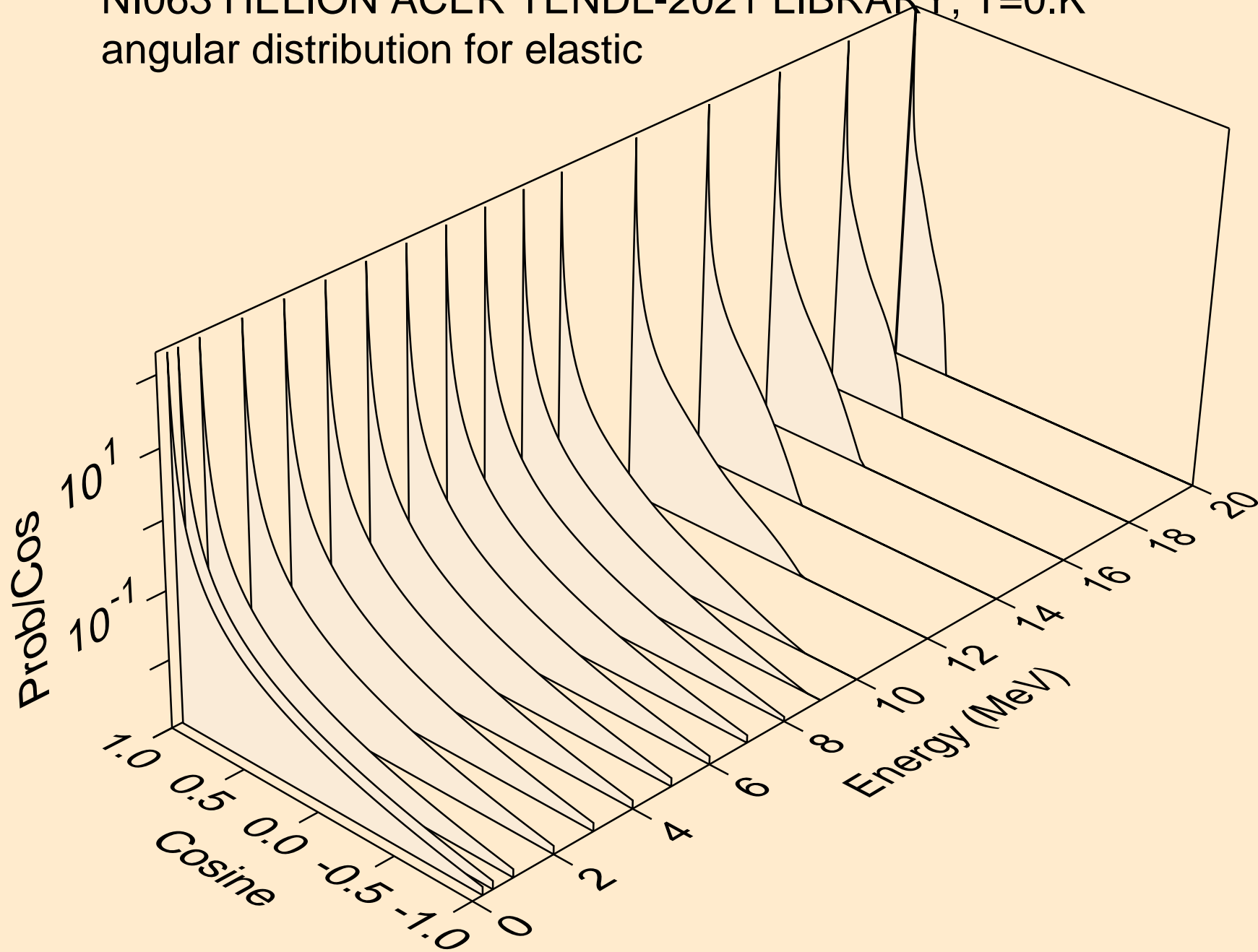
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Threshold reactions



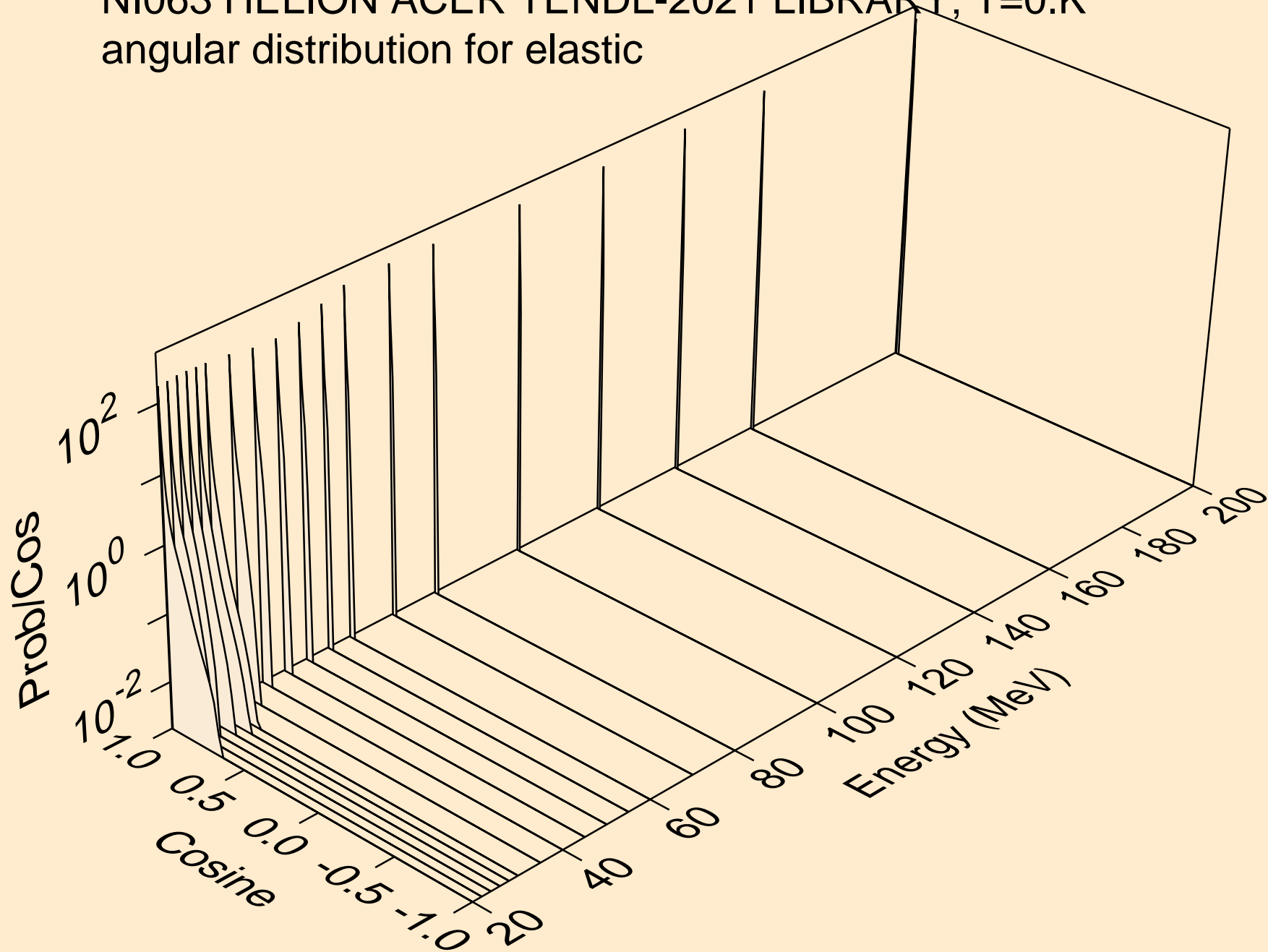
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Threshold reactions



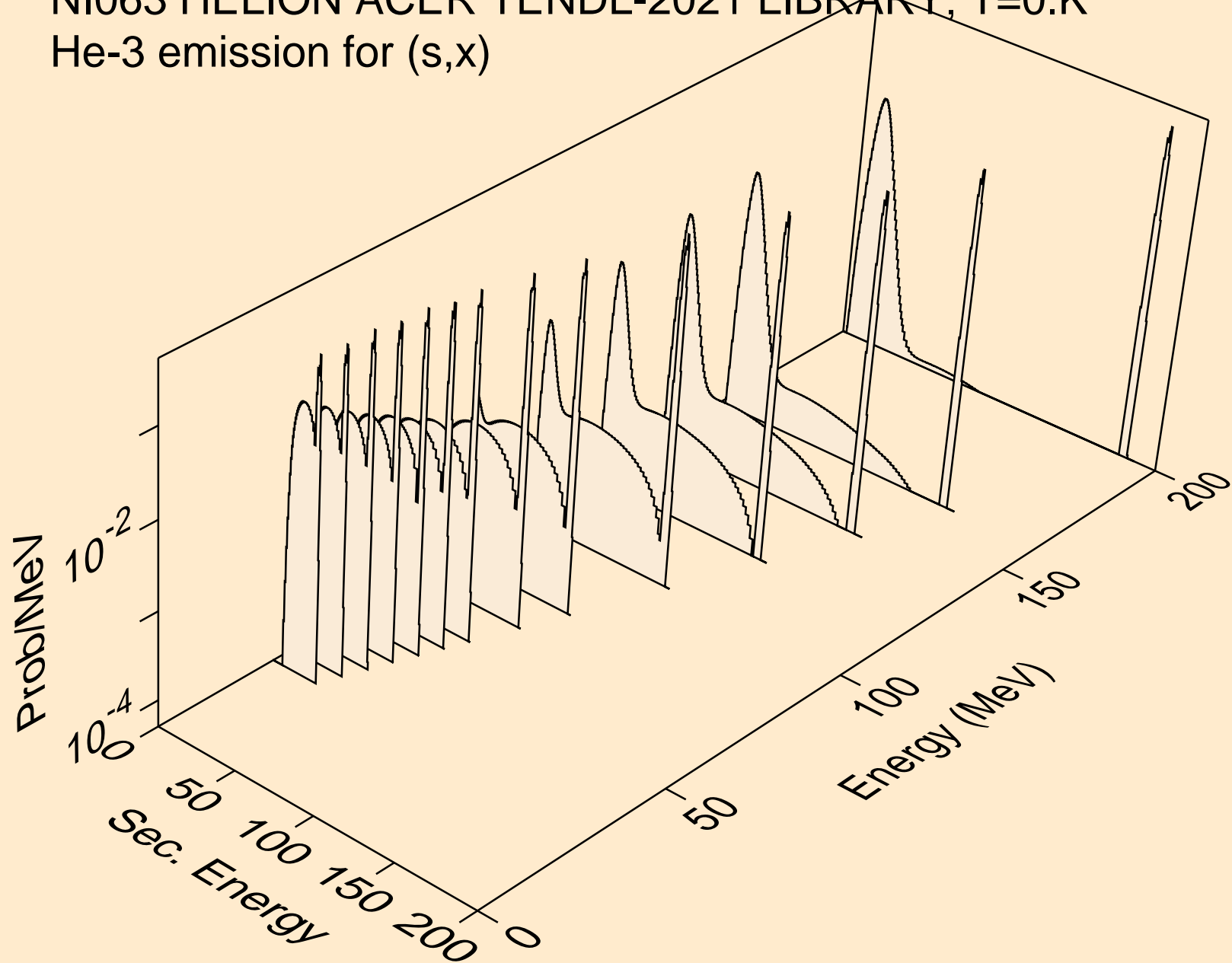
NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic

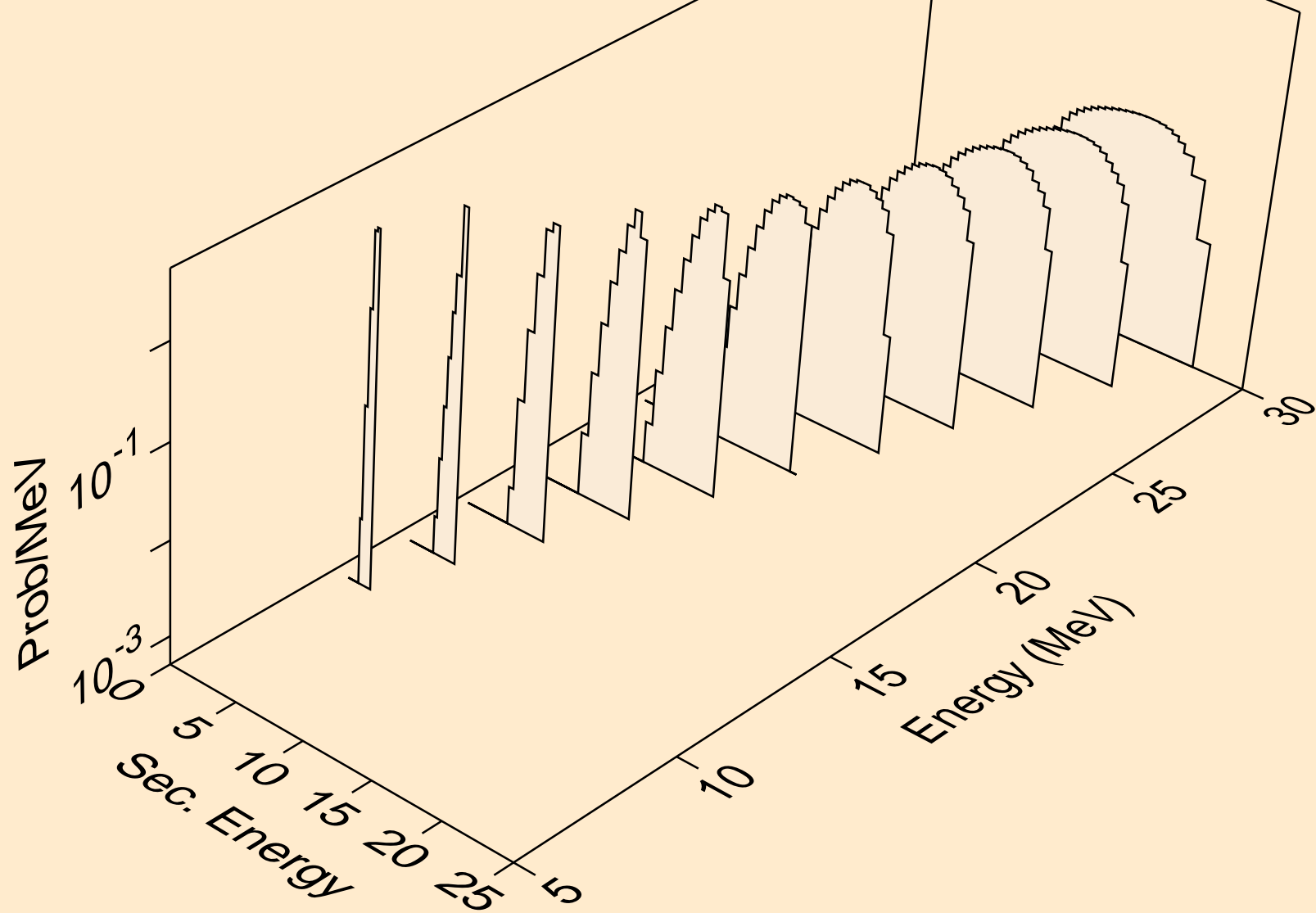


NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,x)

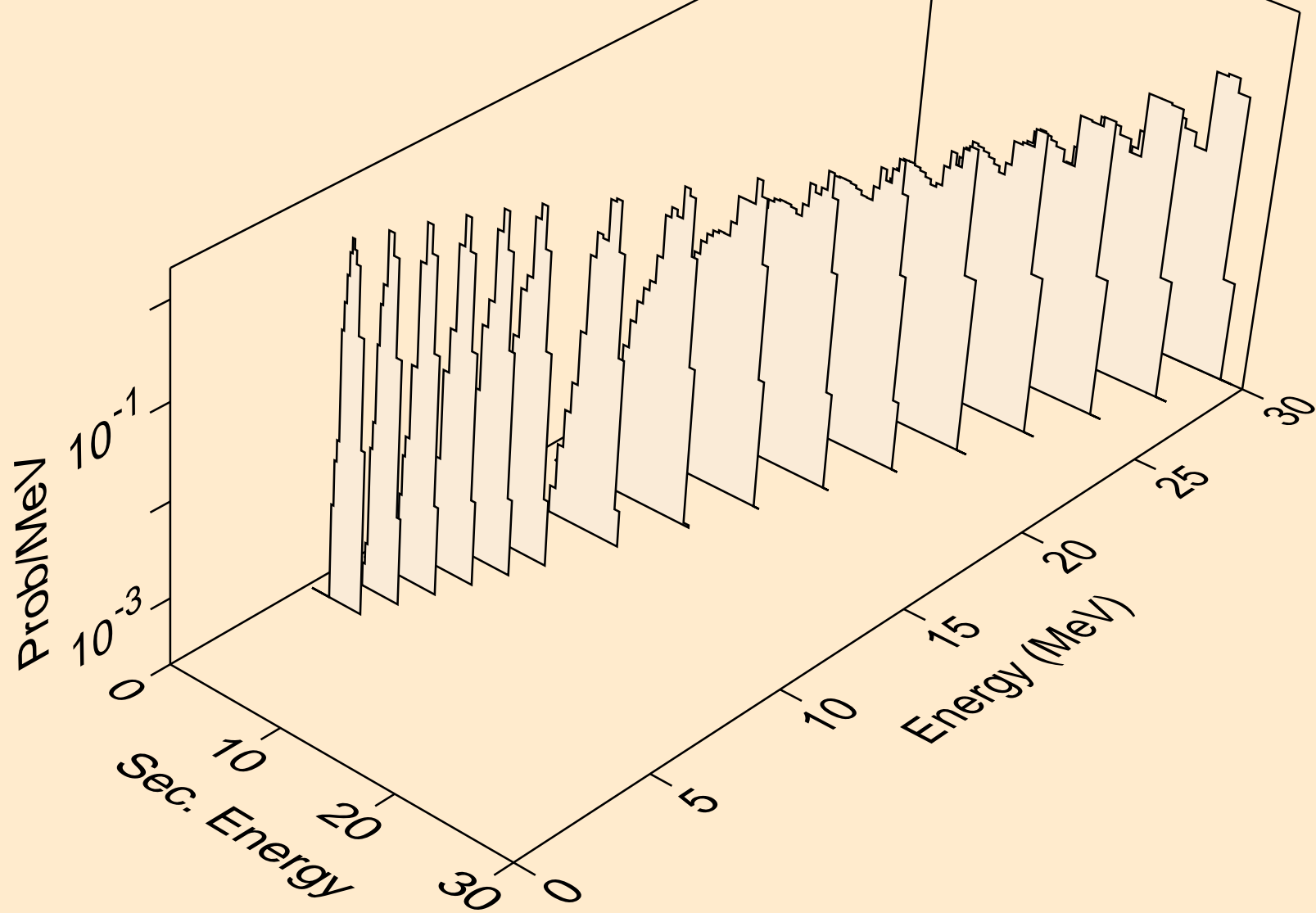




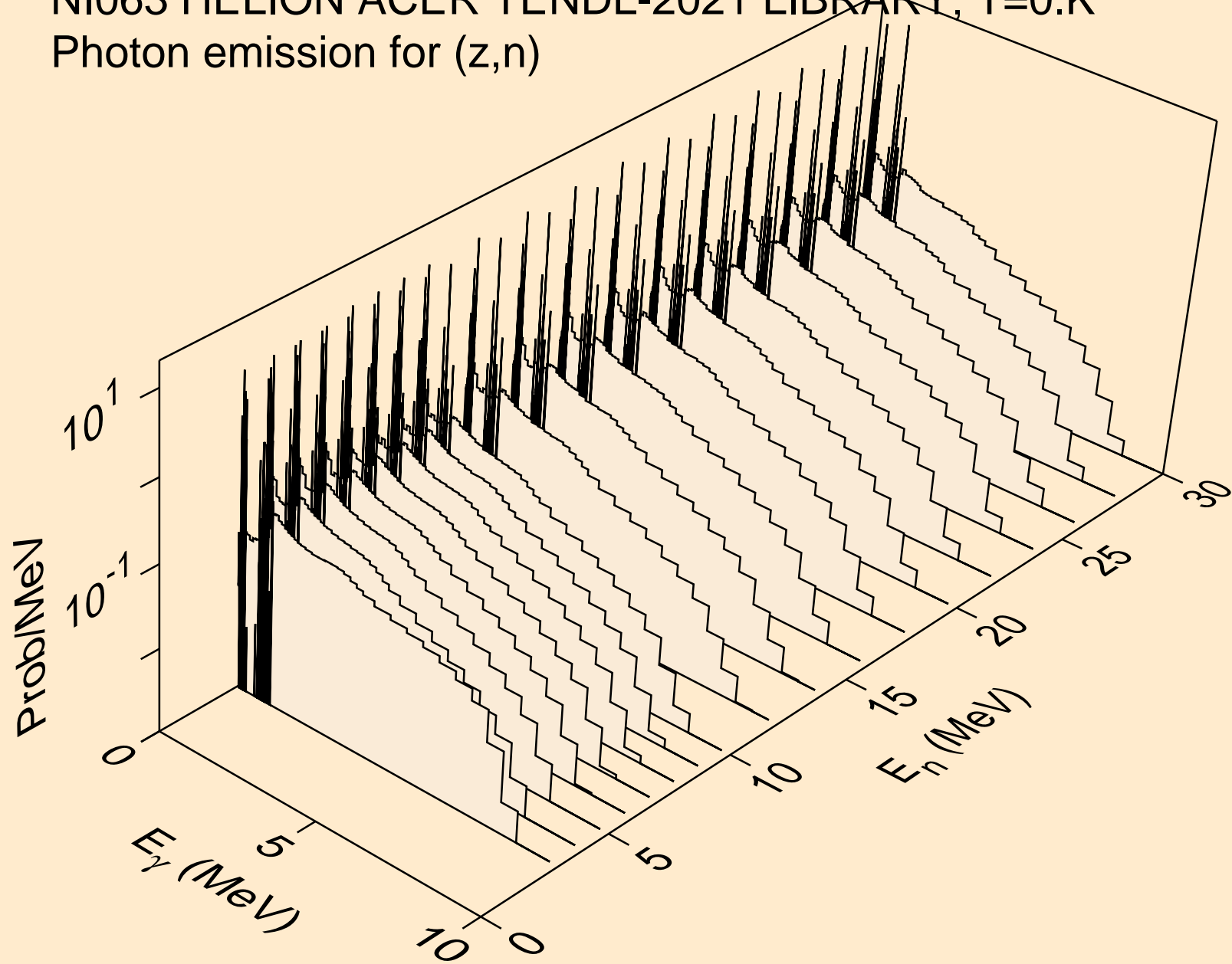
NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3



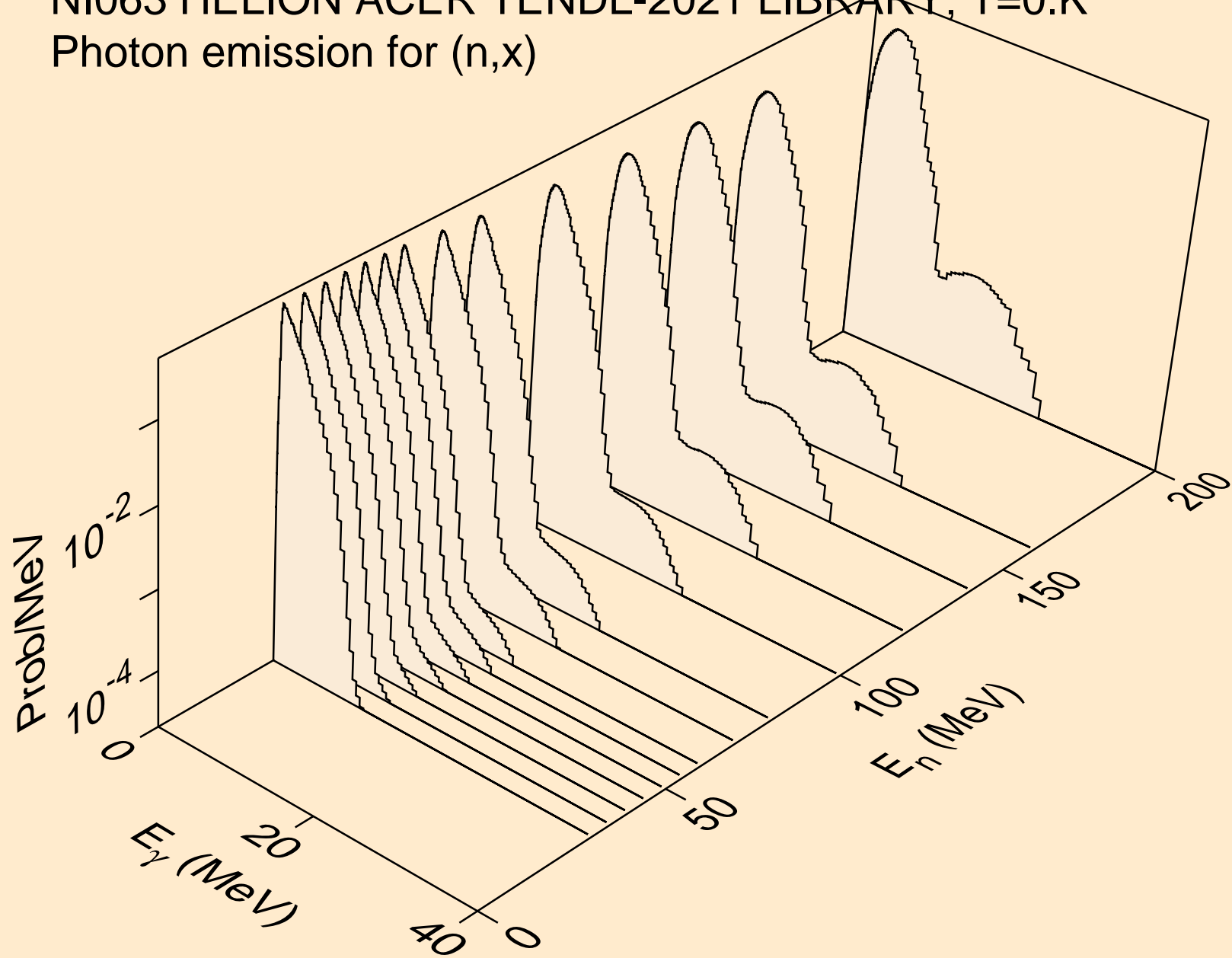
NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for inelastic



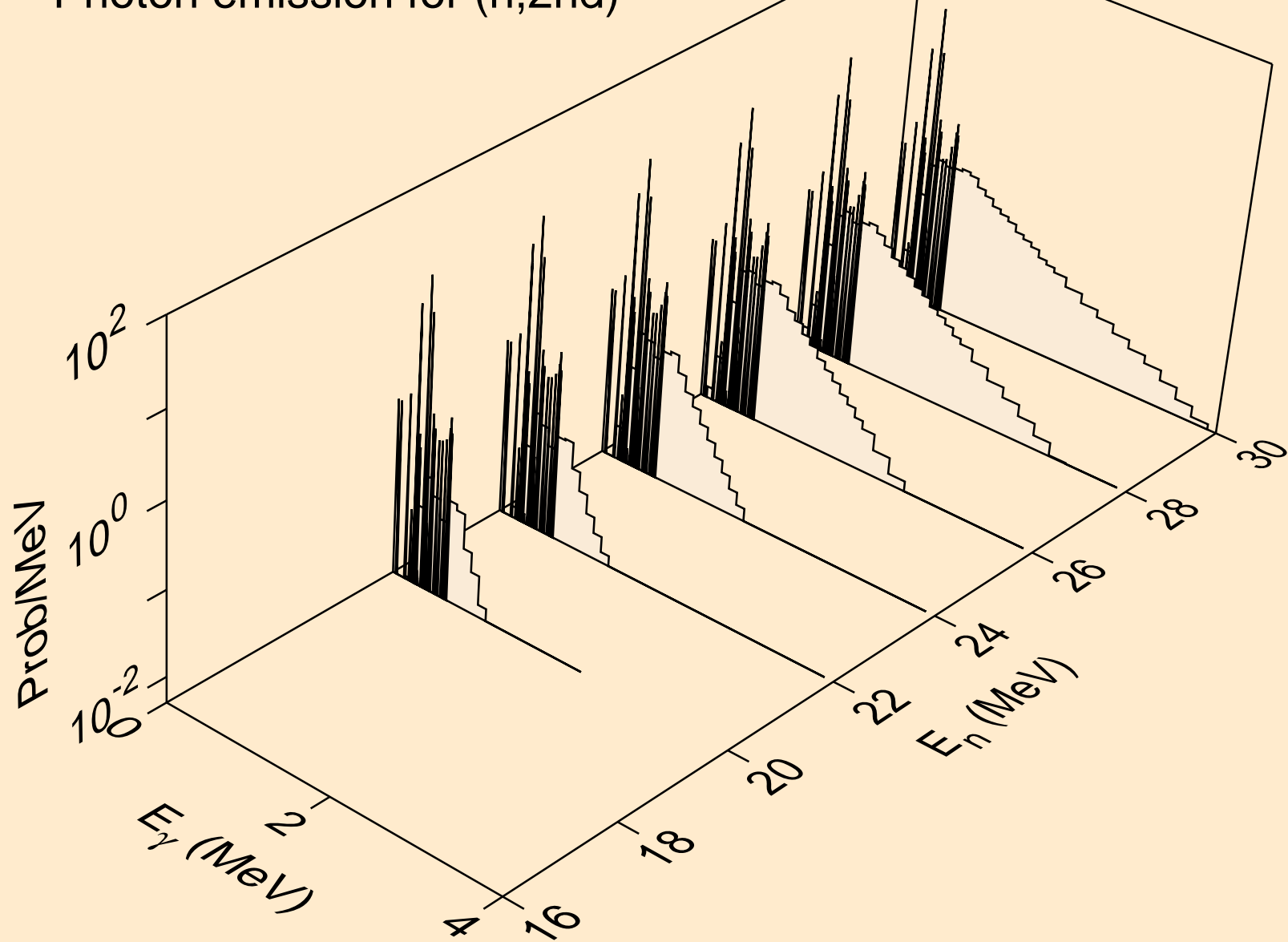
NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



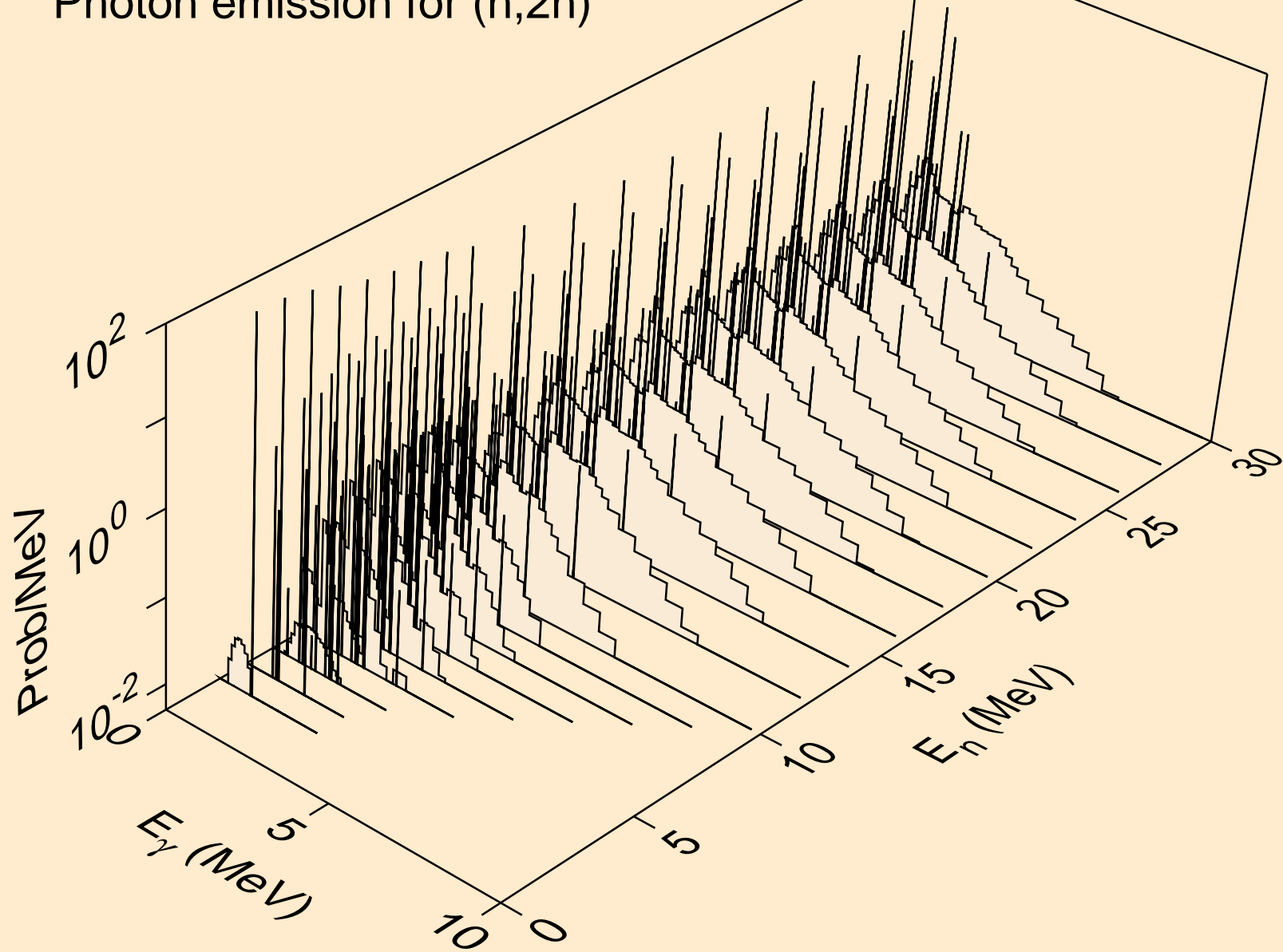
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Photon emission for (n,x)



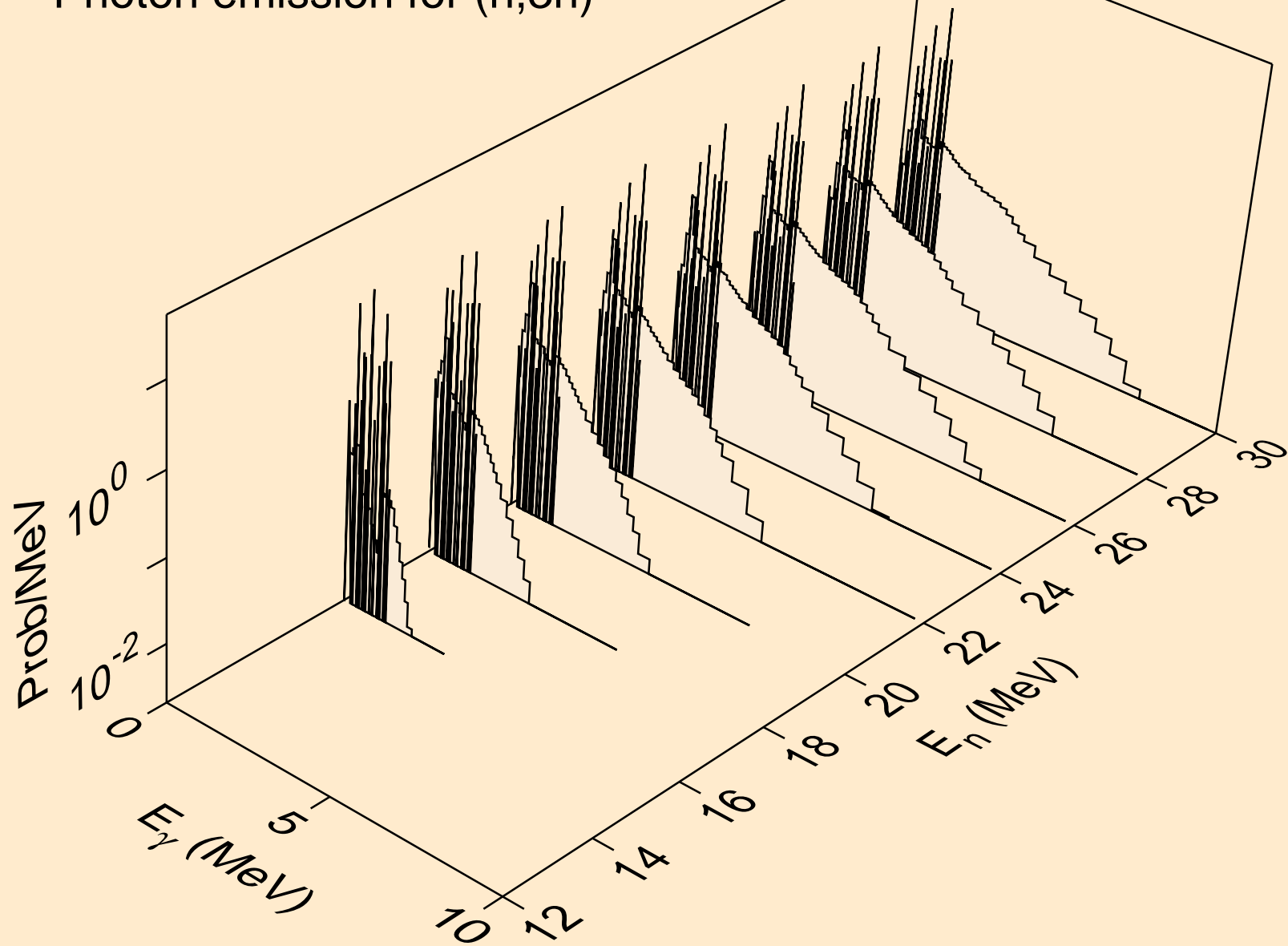
NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)



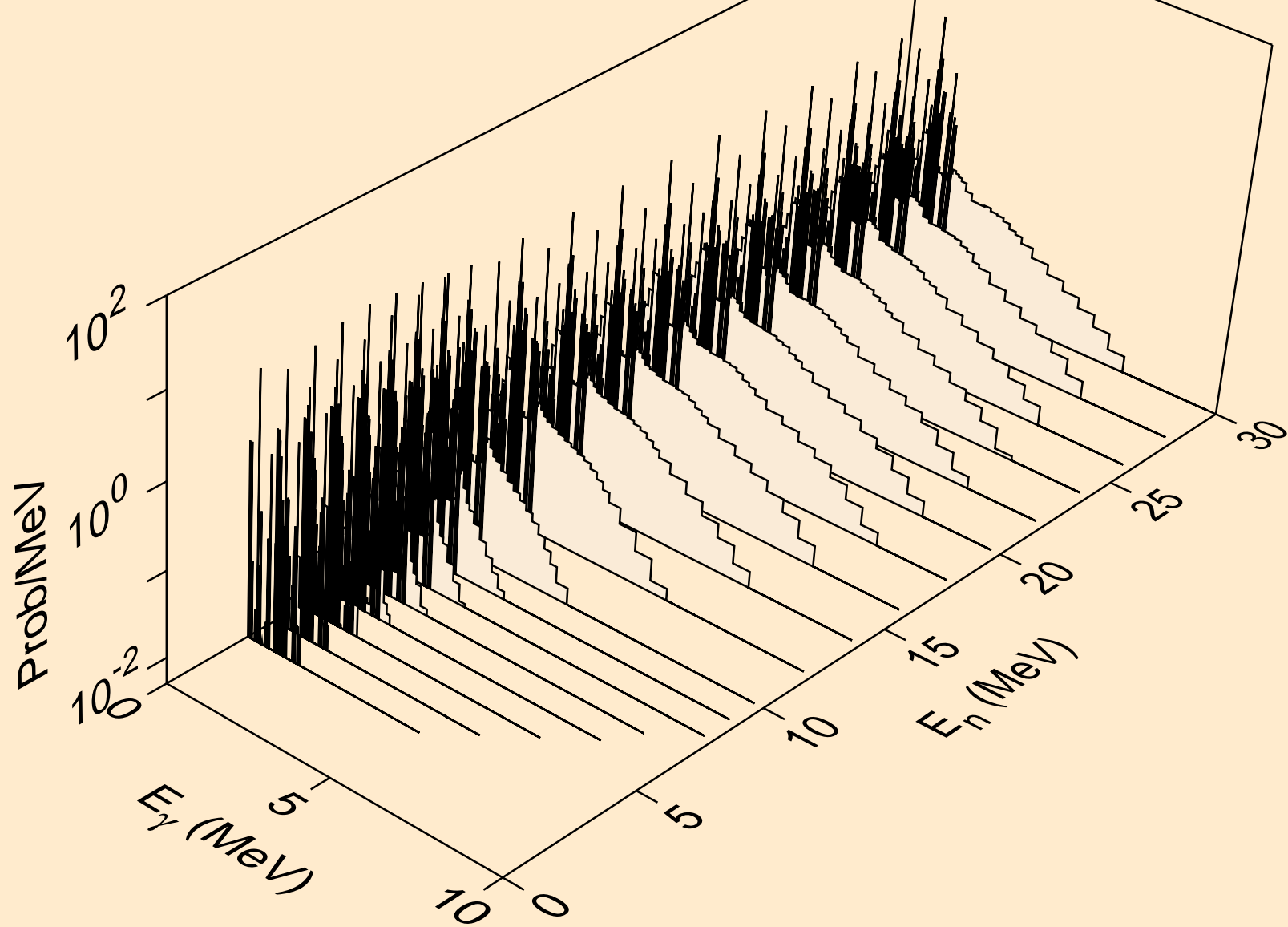
NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)



NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)

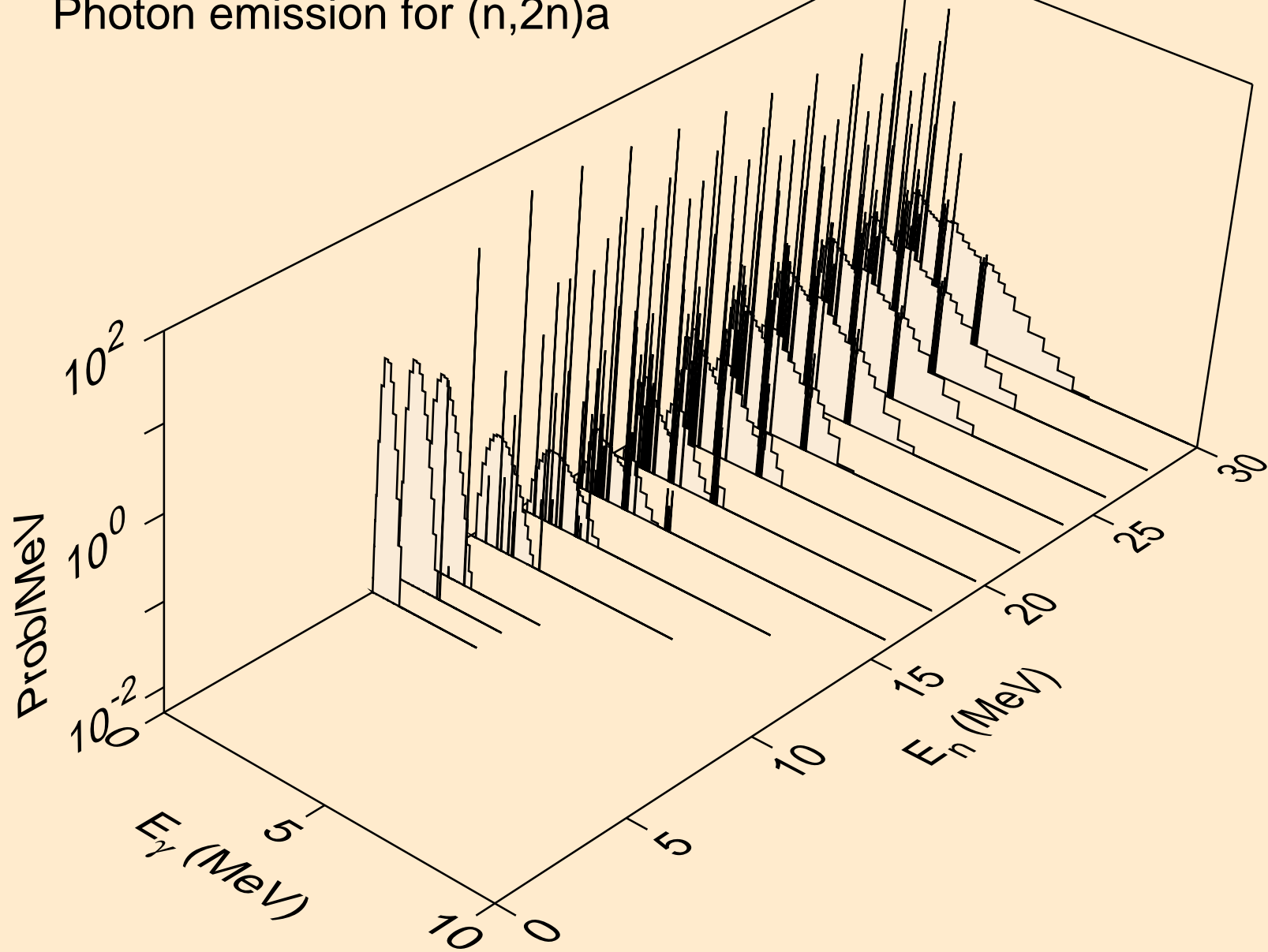


NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

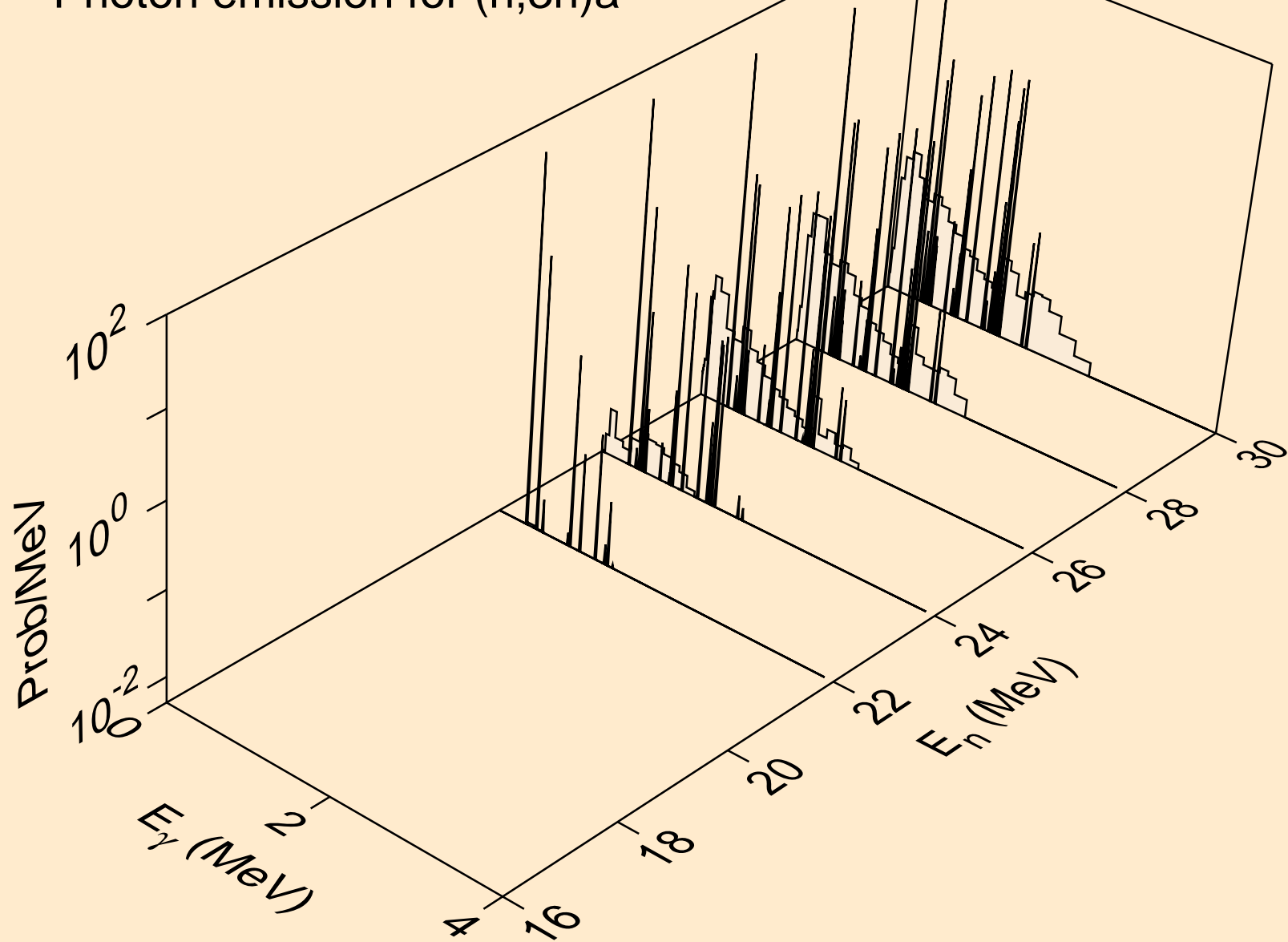




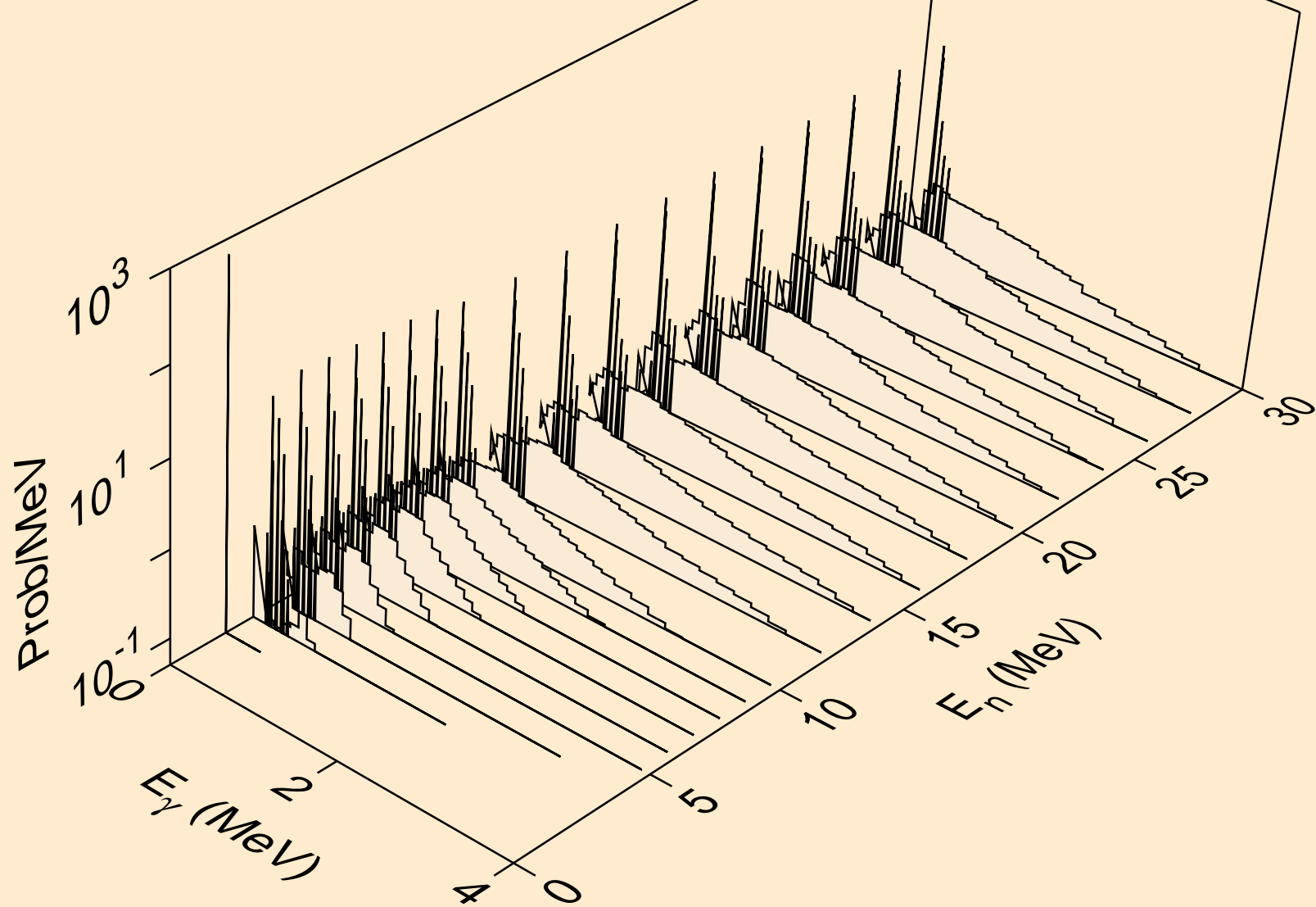
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Photon emission for (n,2n)a



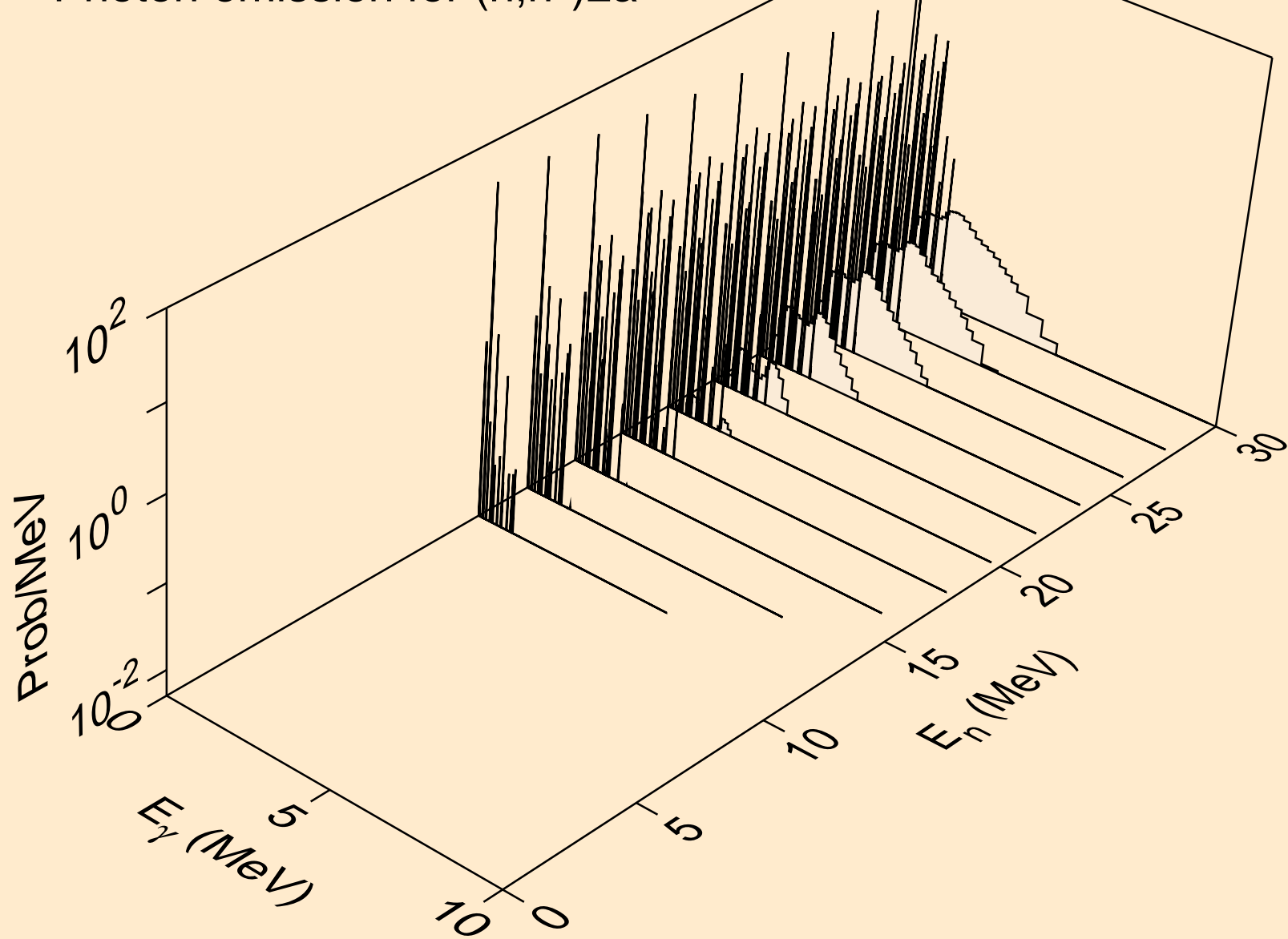
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Photon emission for (n,3n)a



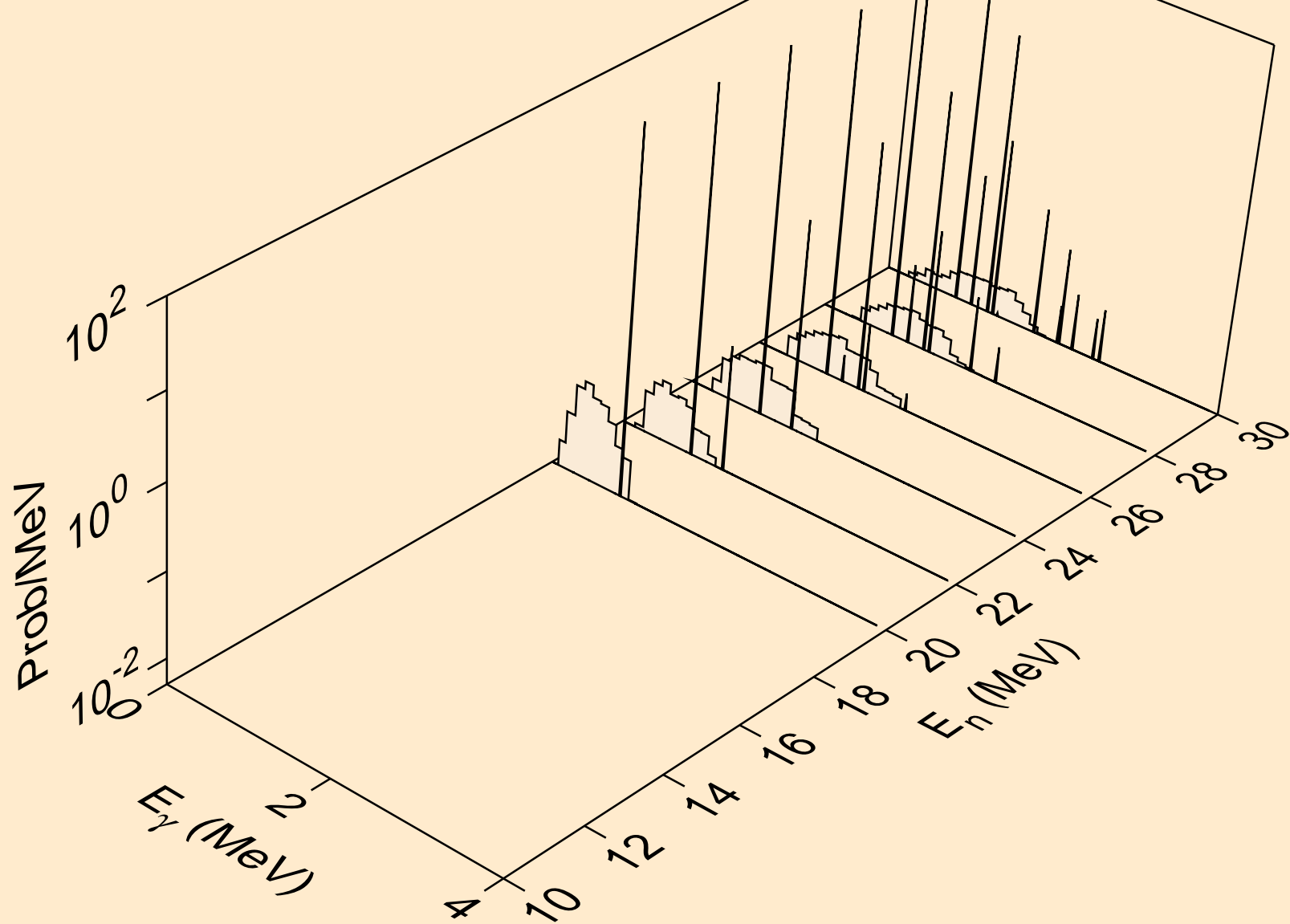
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Photon emission for (n,n\*)p



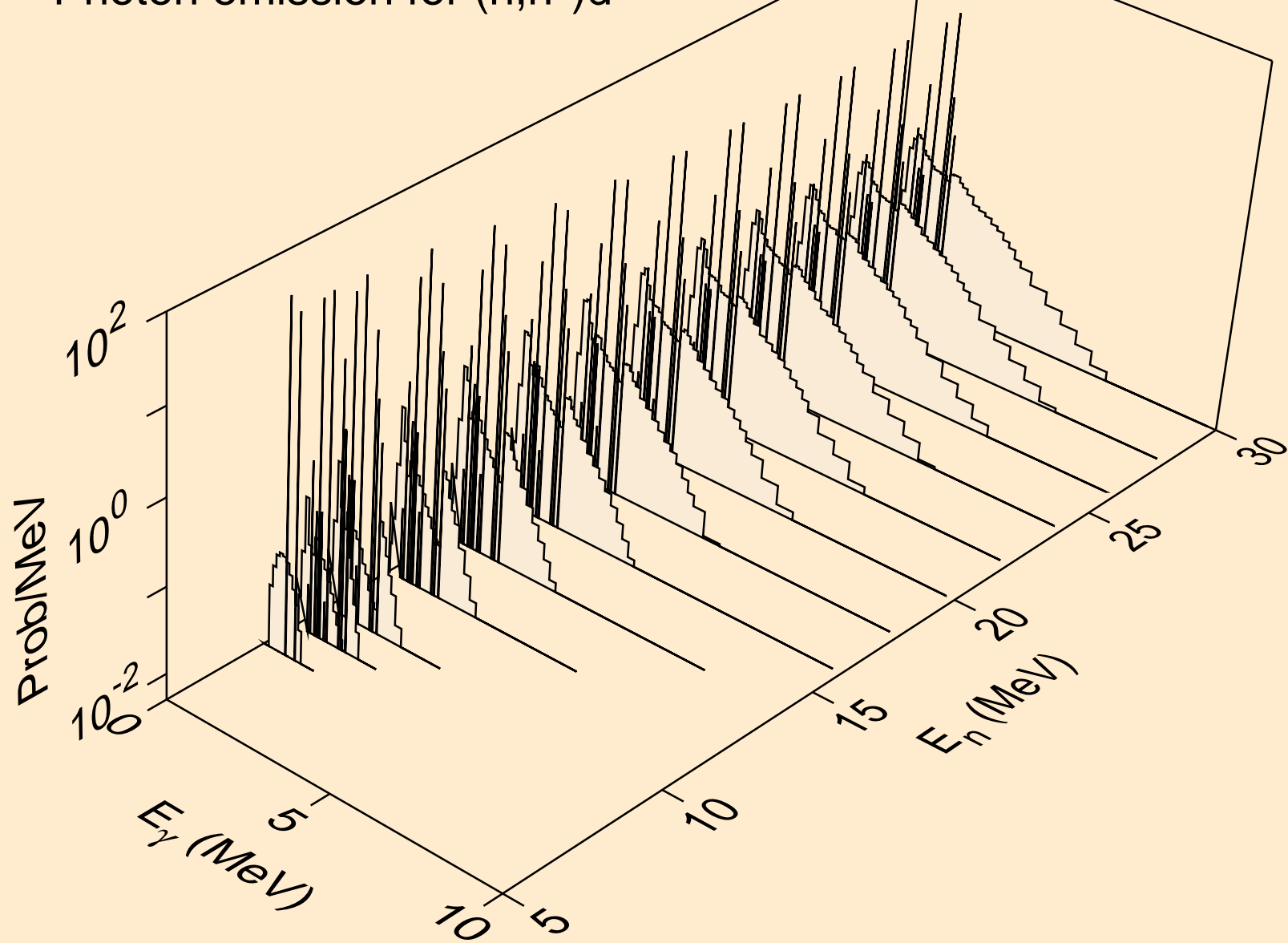
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Photon emission for (n,n\*)2a



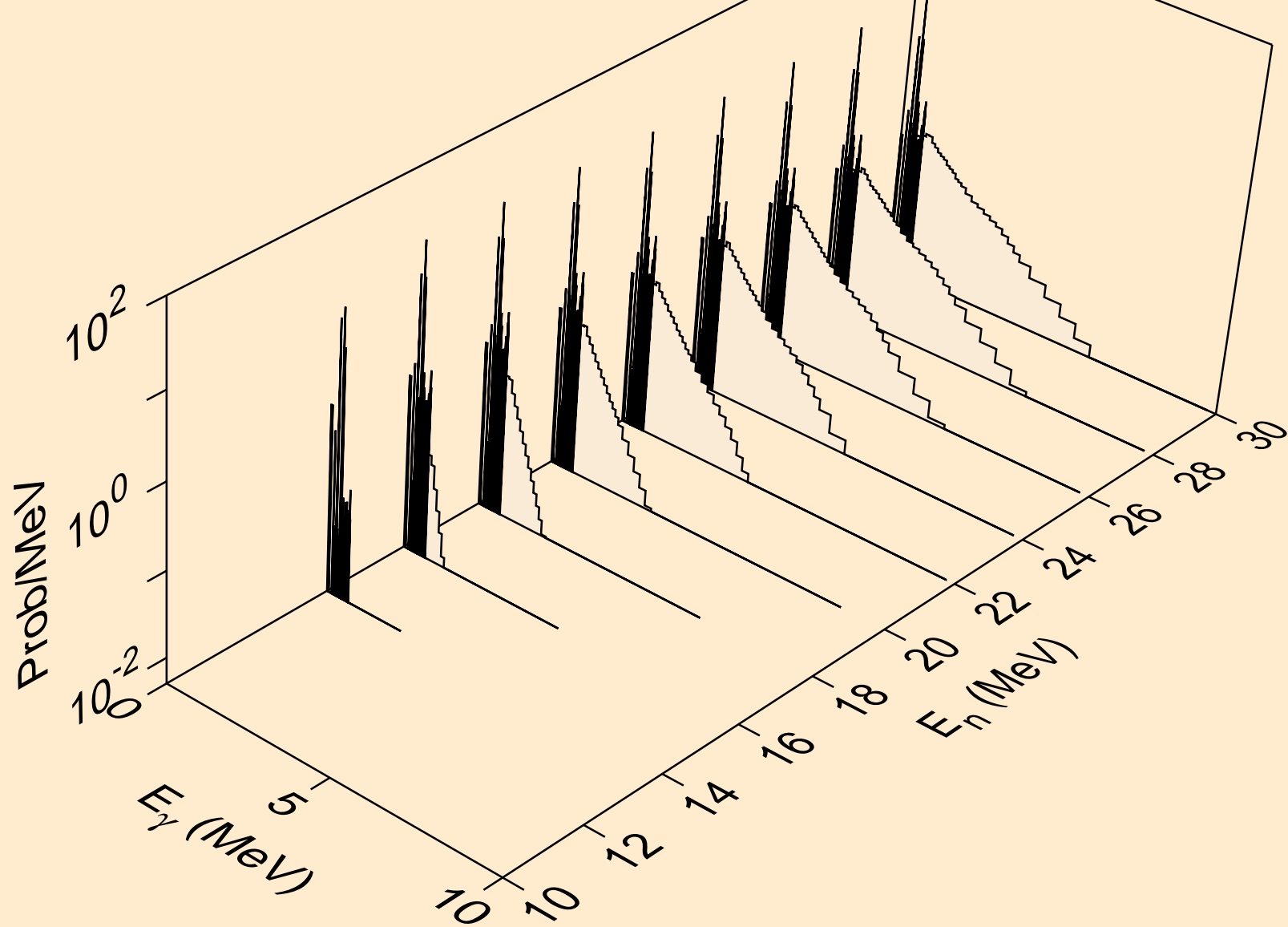
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Photon emission for (n,2n)2a



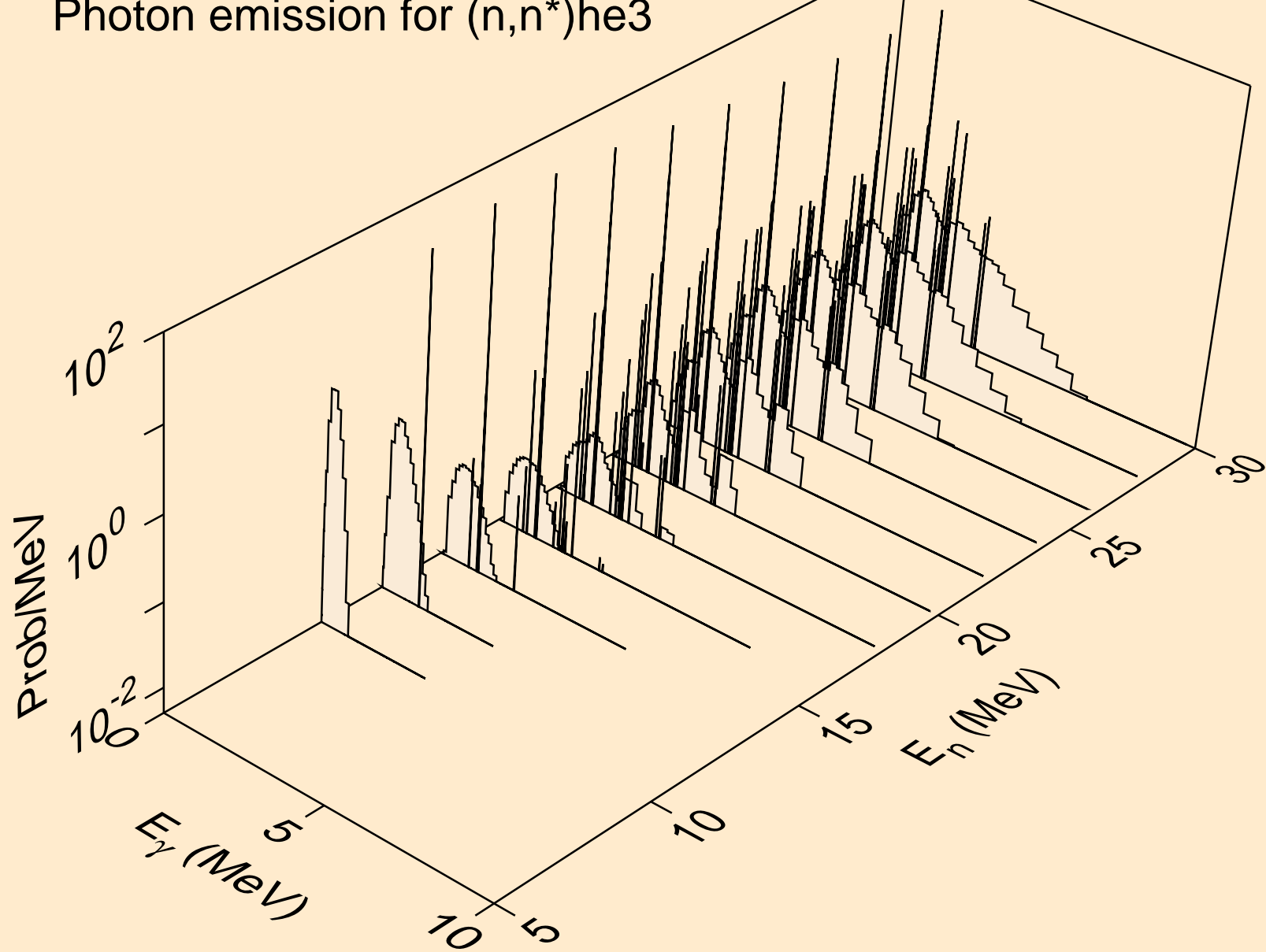
NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

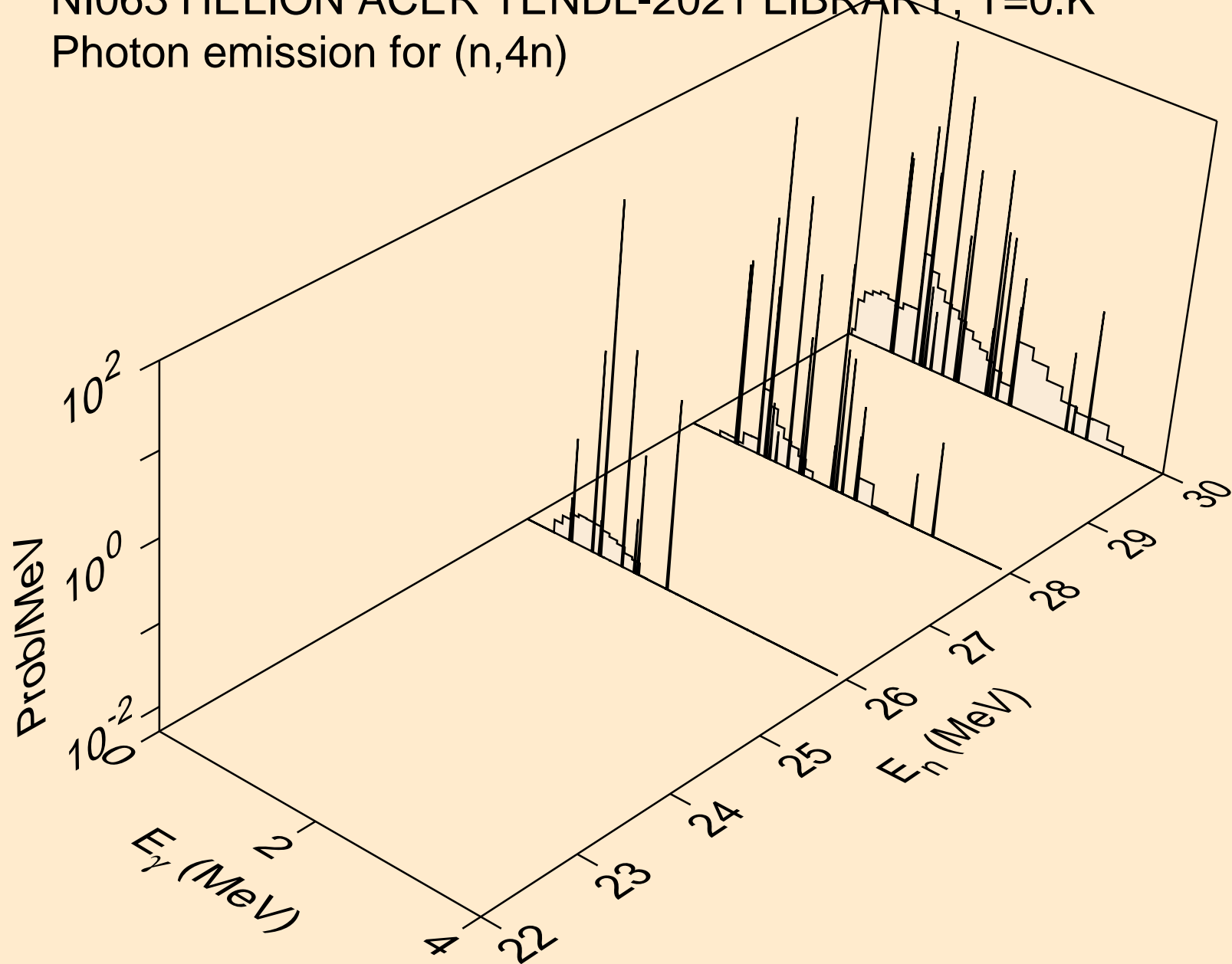


NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

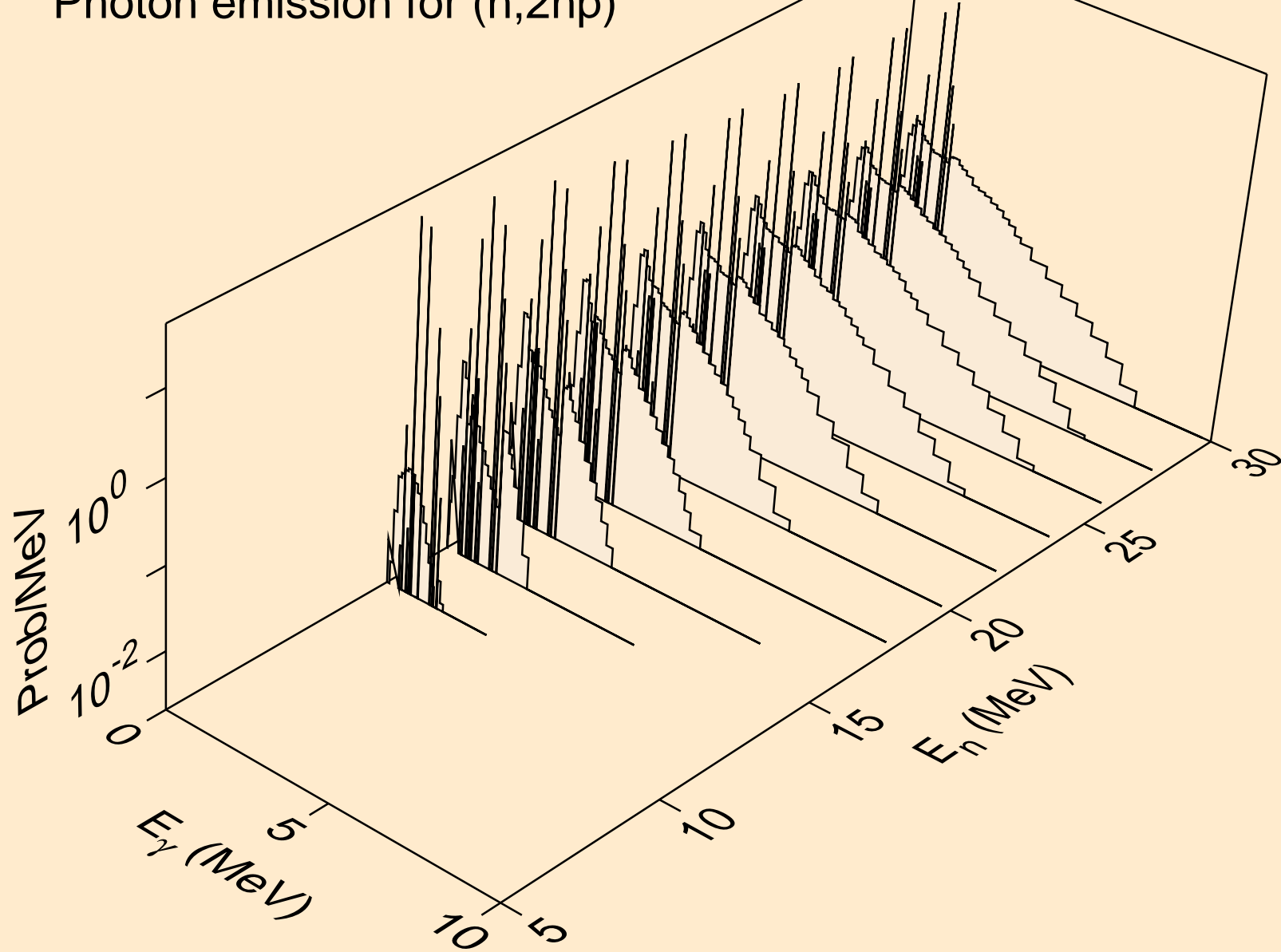




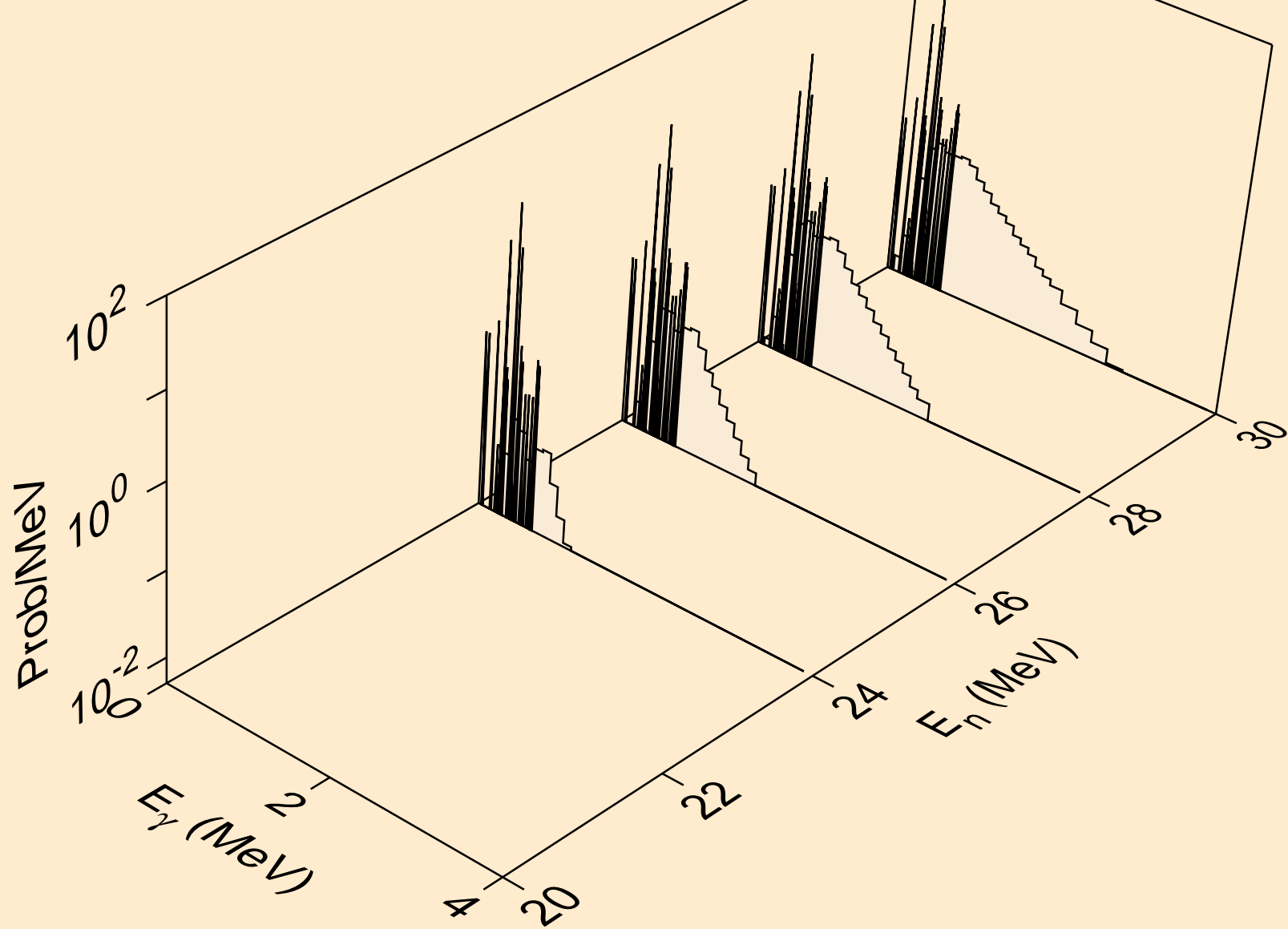
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Photon emission for (n,4n)



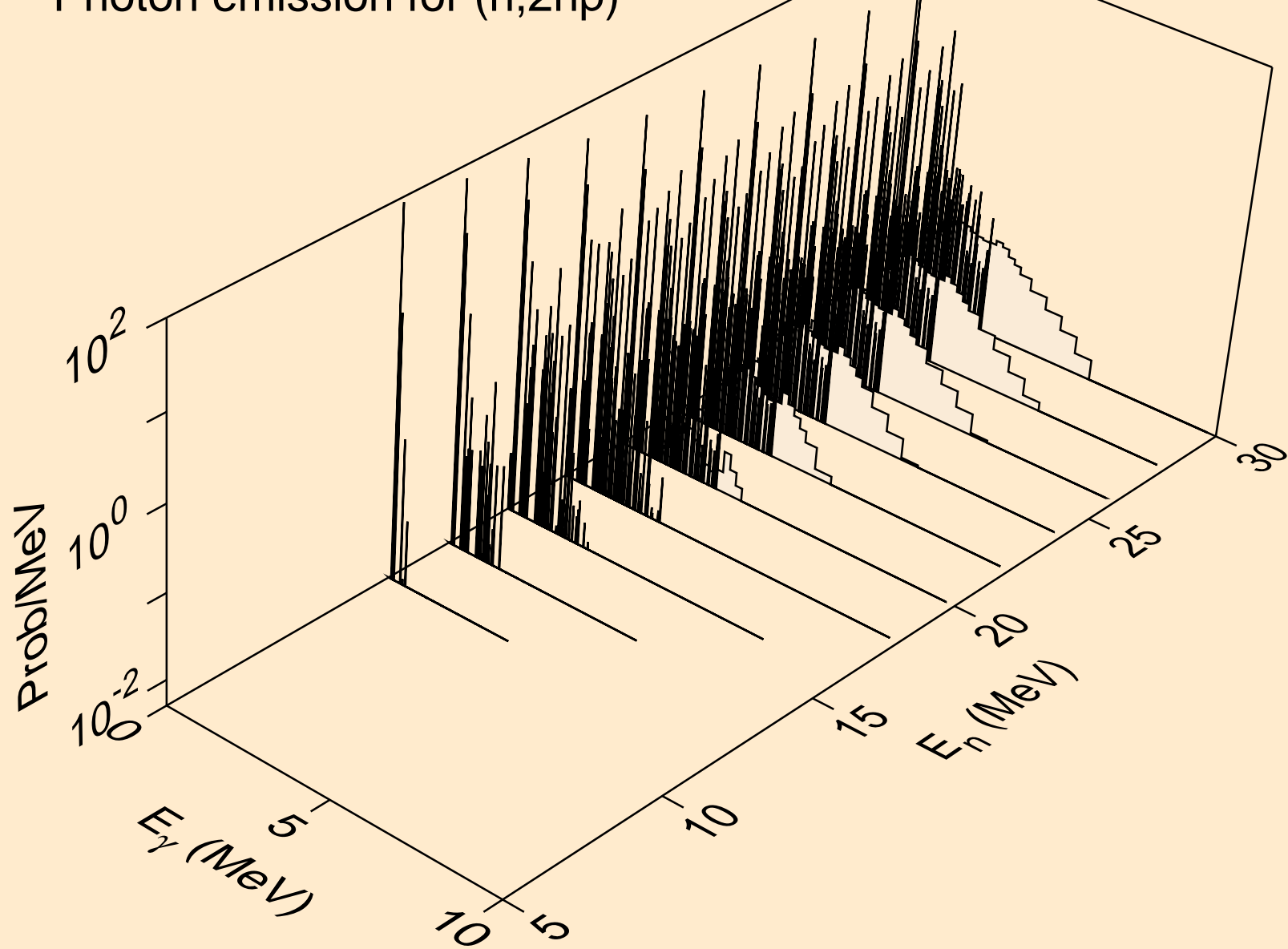
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Photon emission for (n,2np)



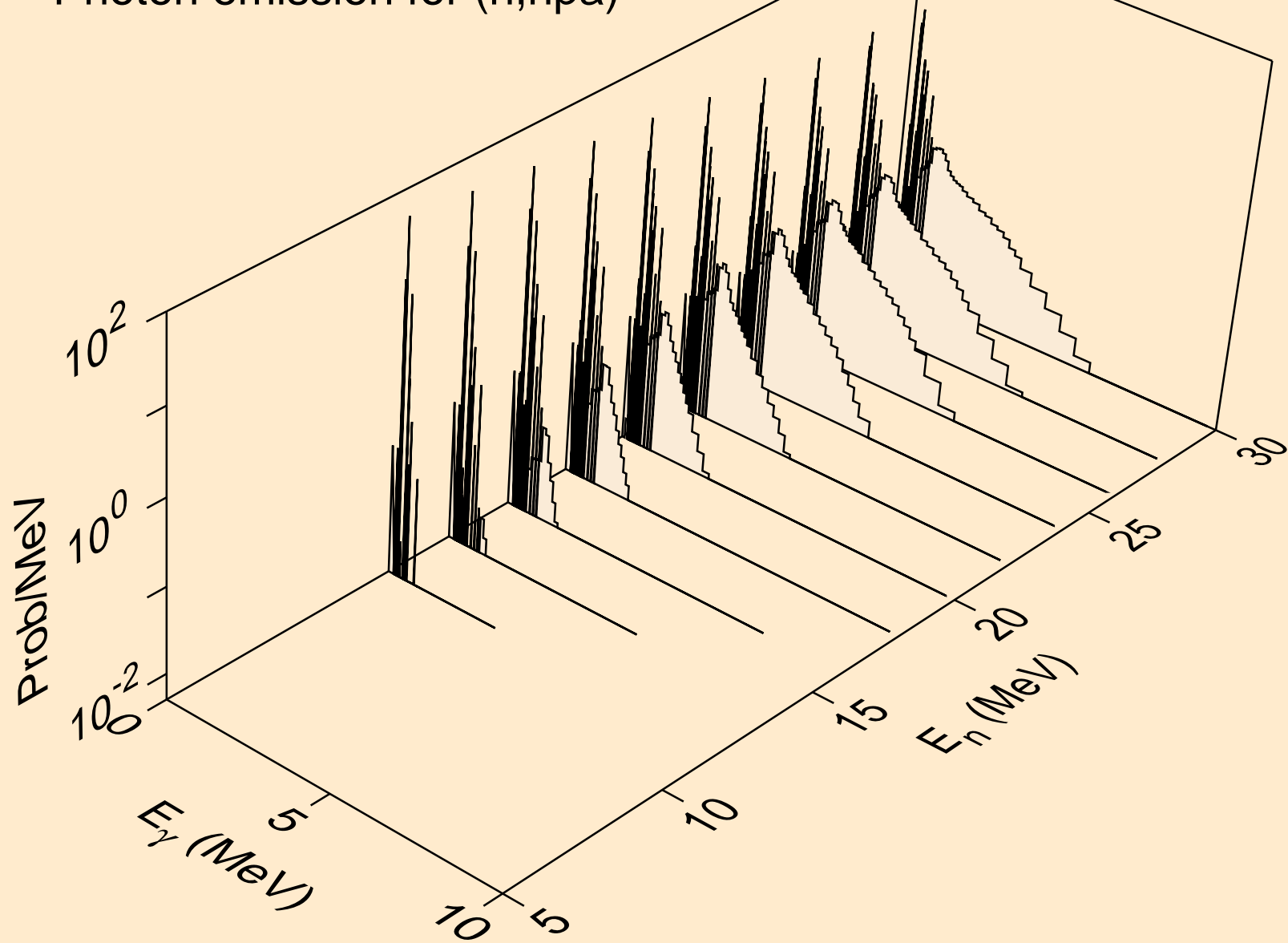
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Photon emission for (n,3np)



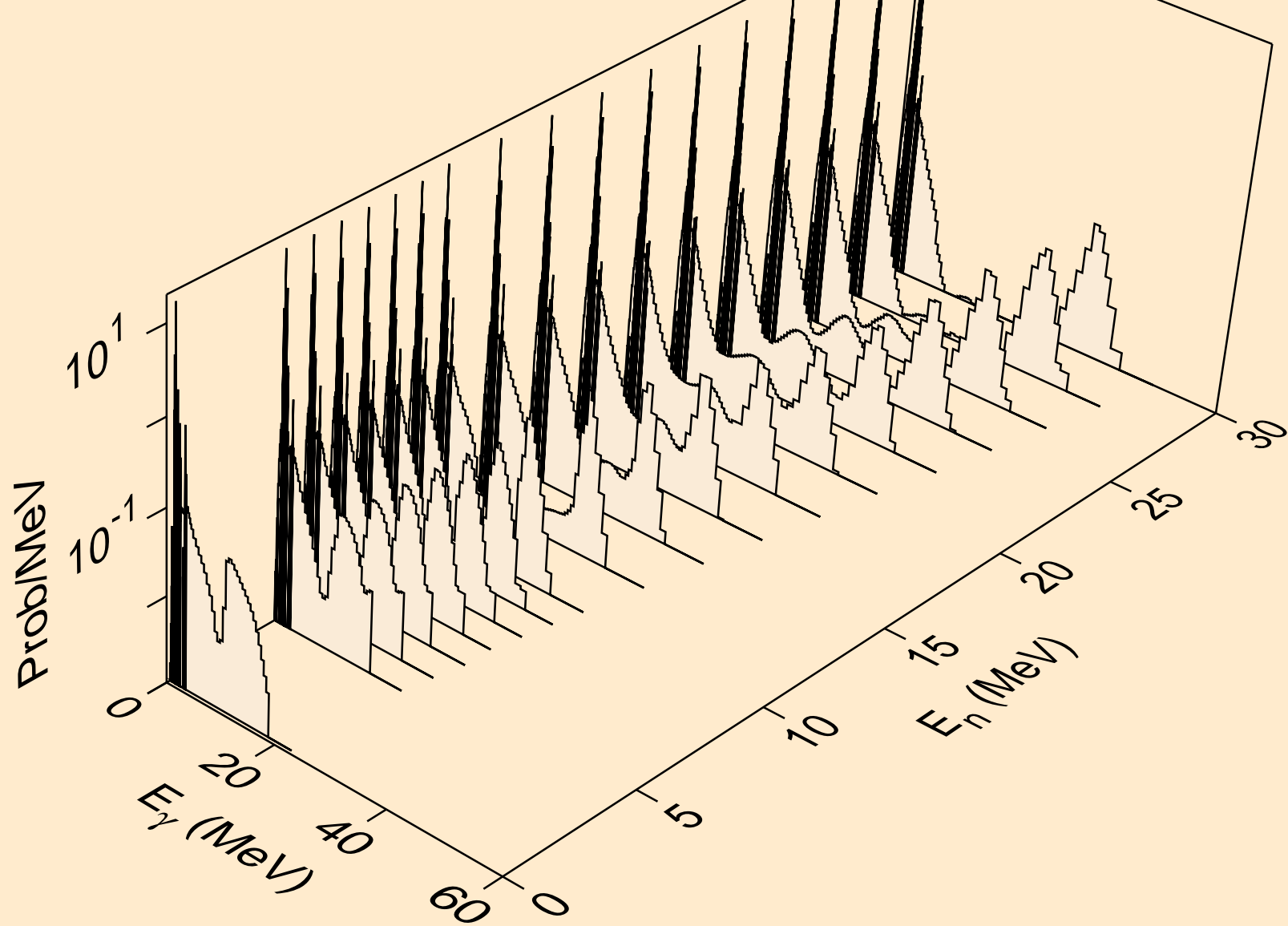
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Photon emission for (n,2np)



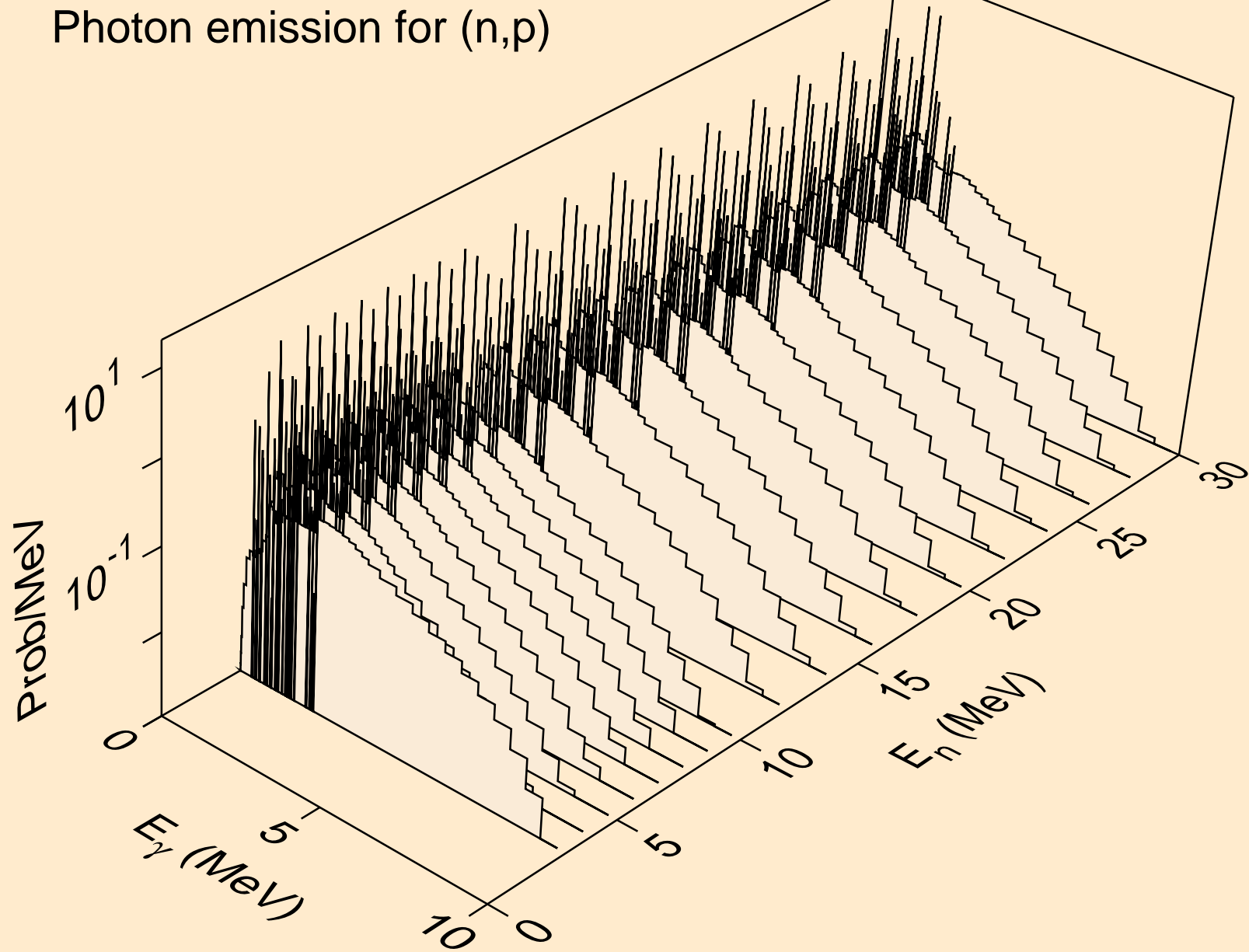
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Photon emission for (n,npa)



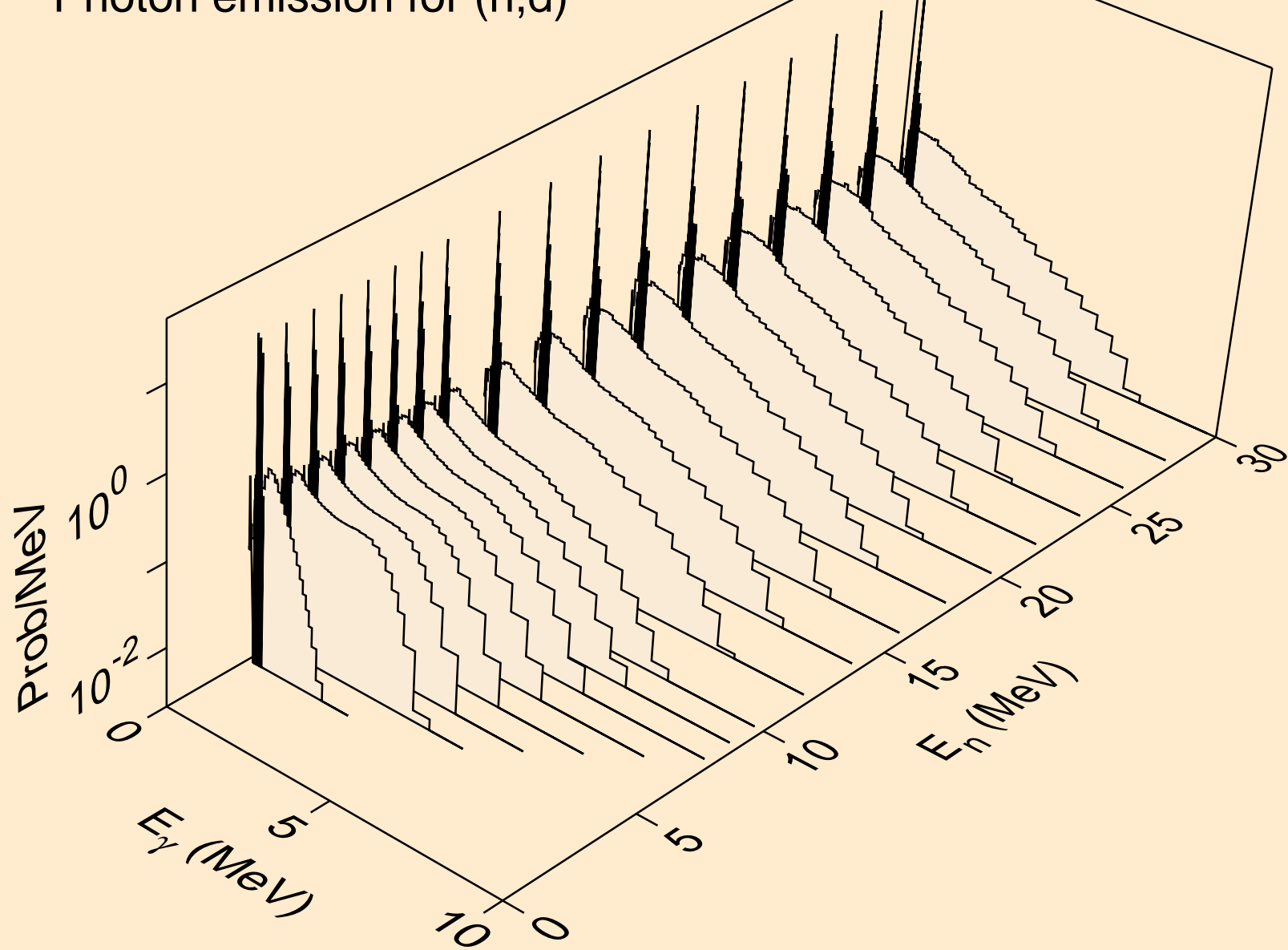
NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,gma)



NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,p)

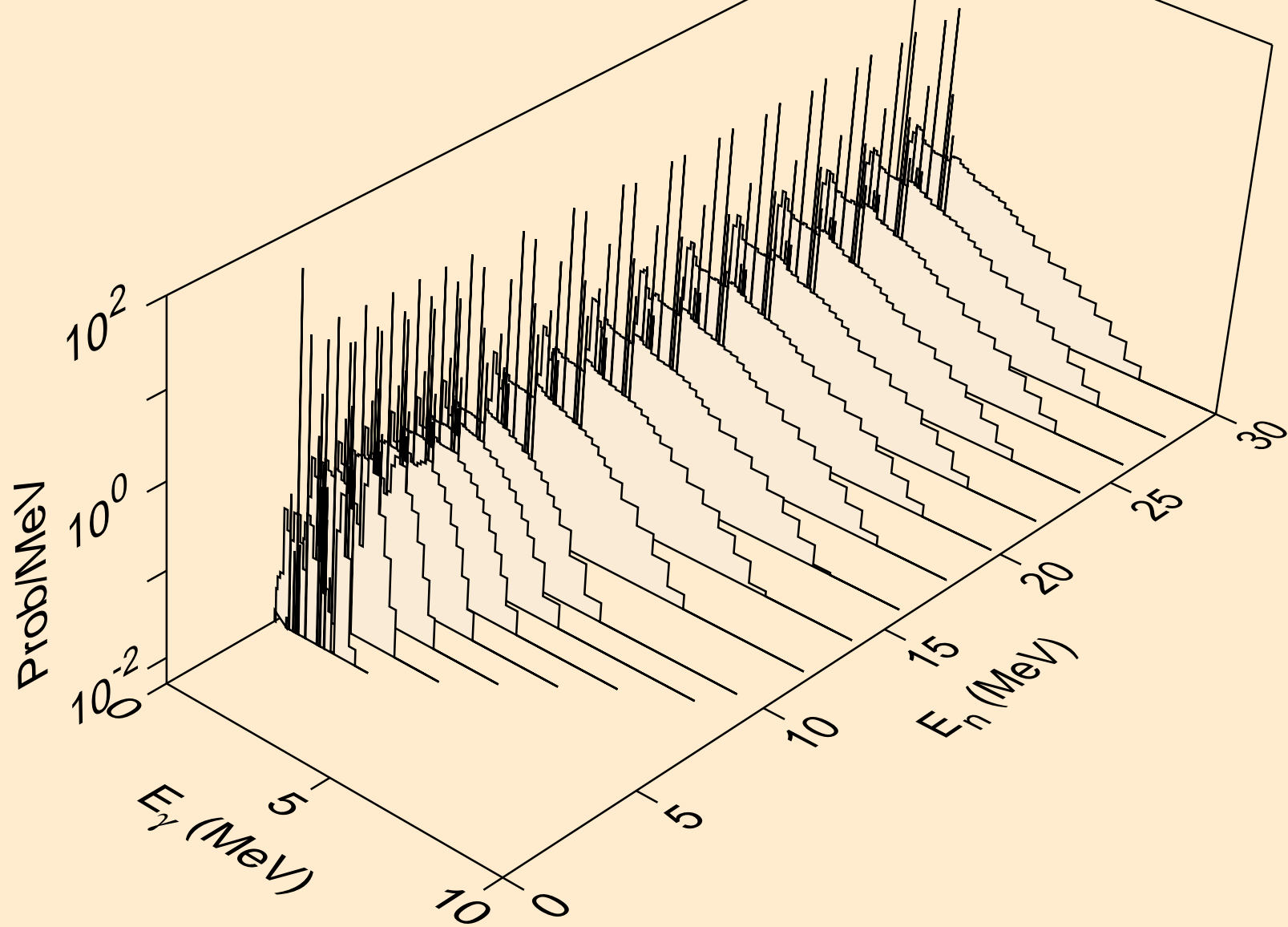


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Photon emission for (n,d)

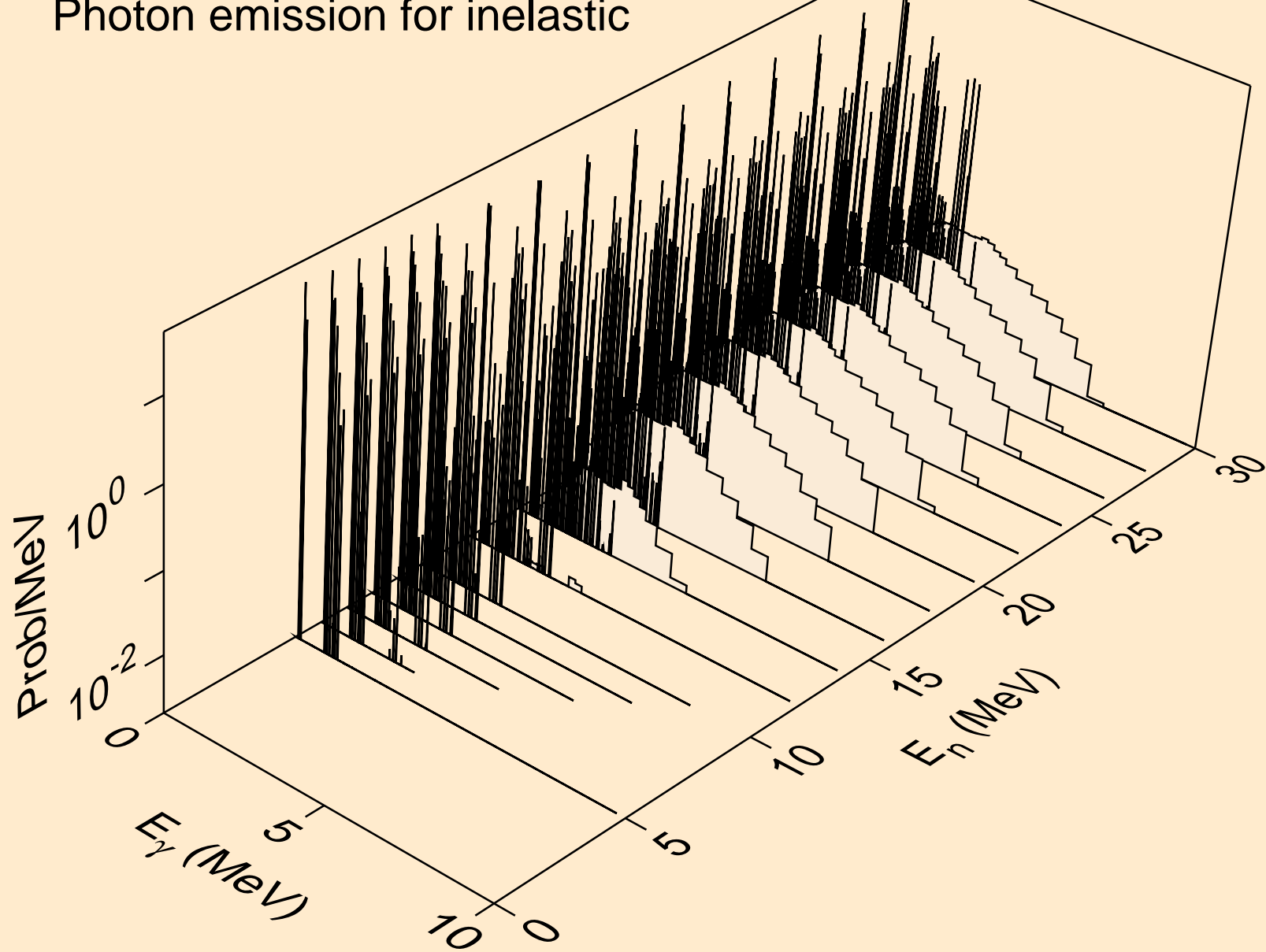




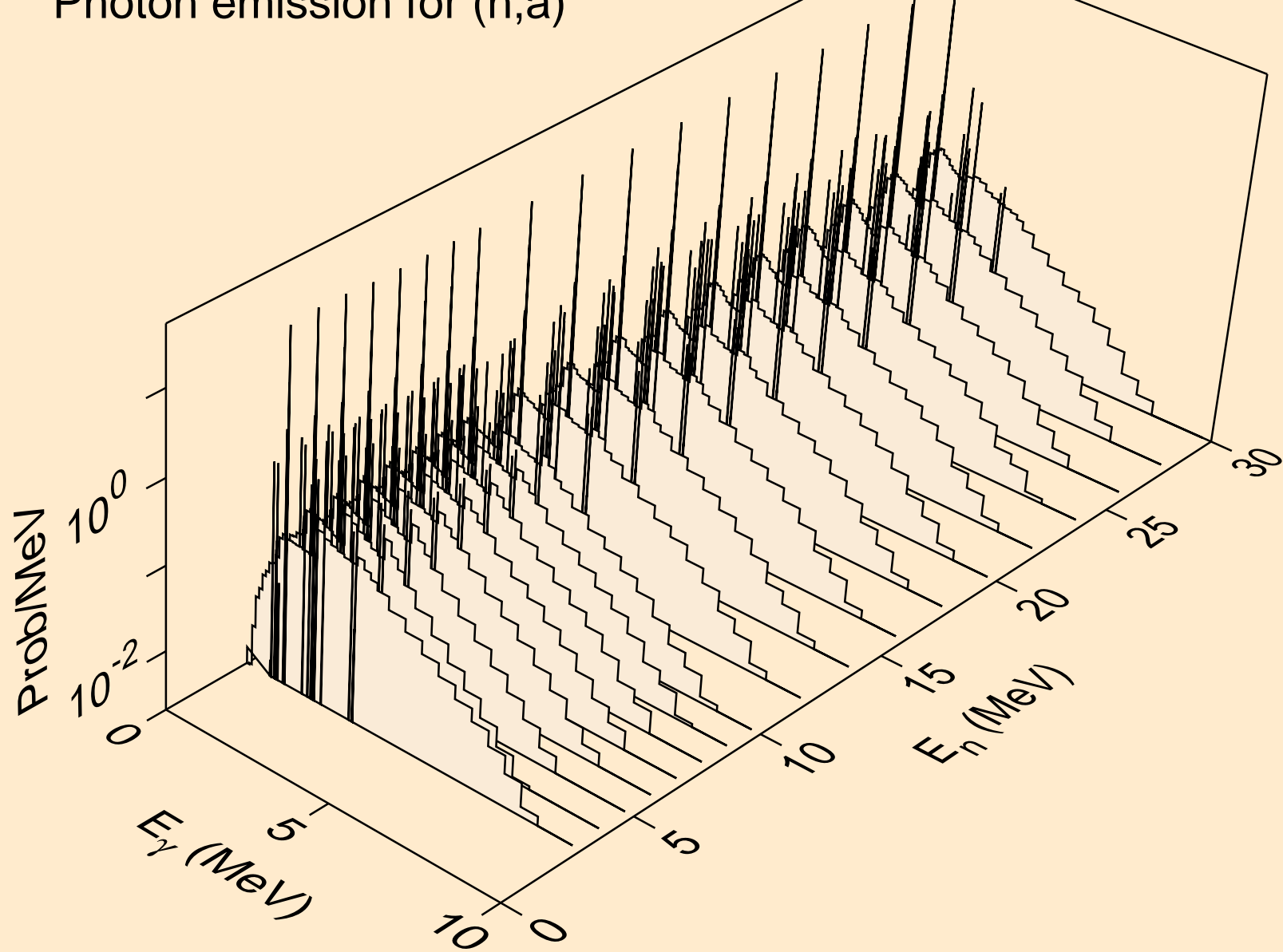
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Photon emission for (n,t)



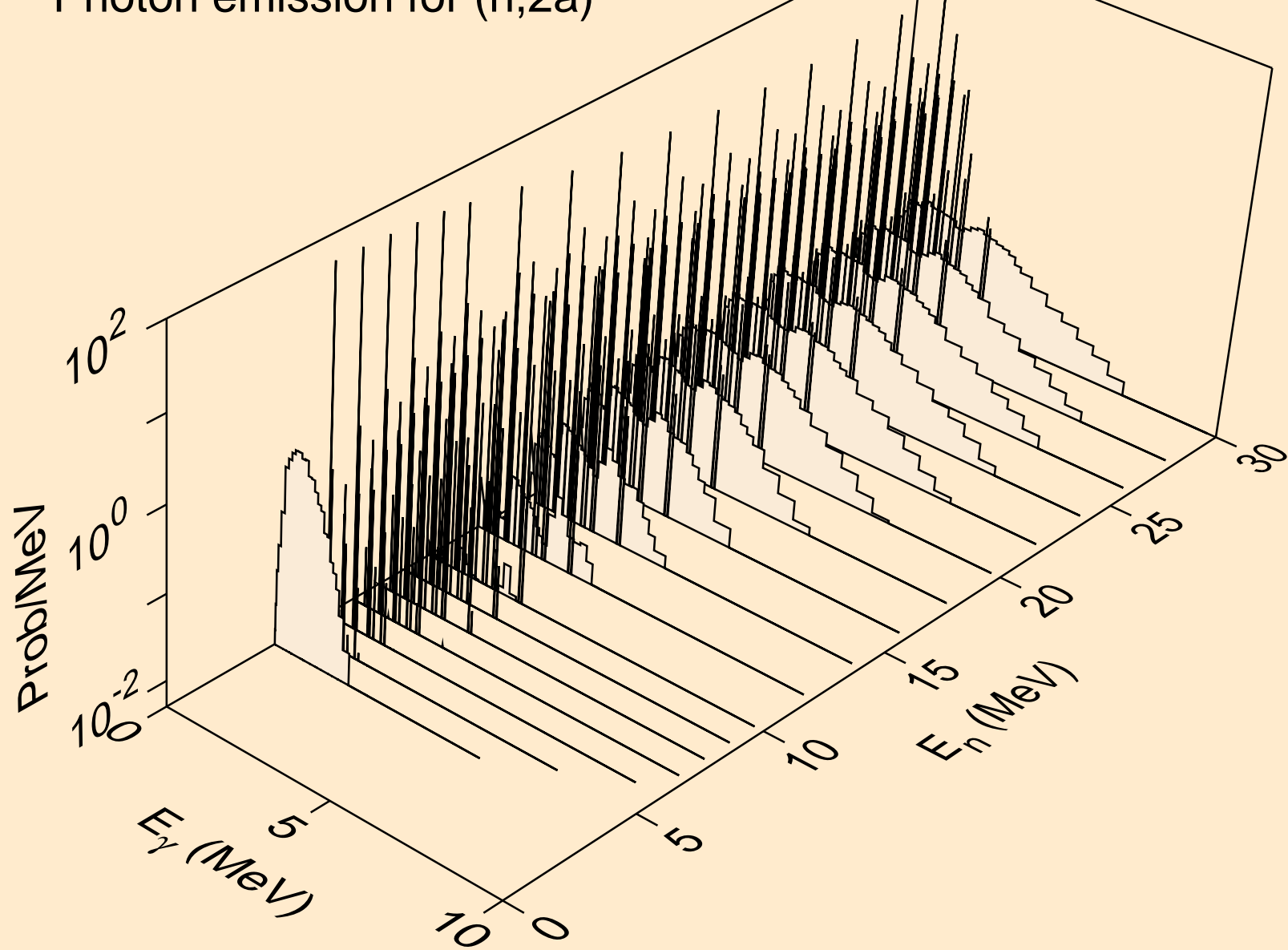
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Photon emission for inelastic



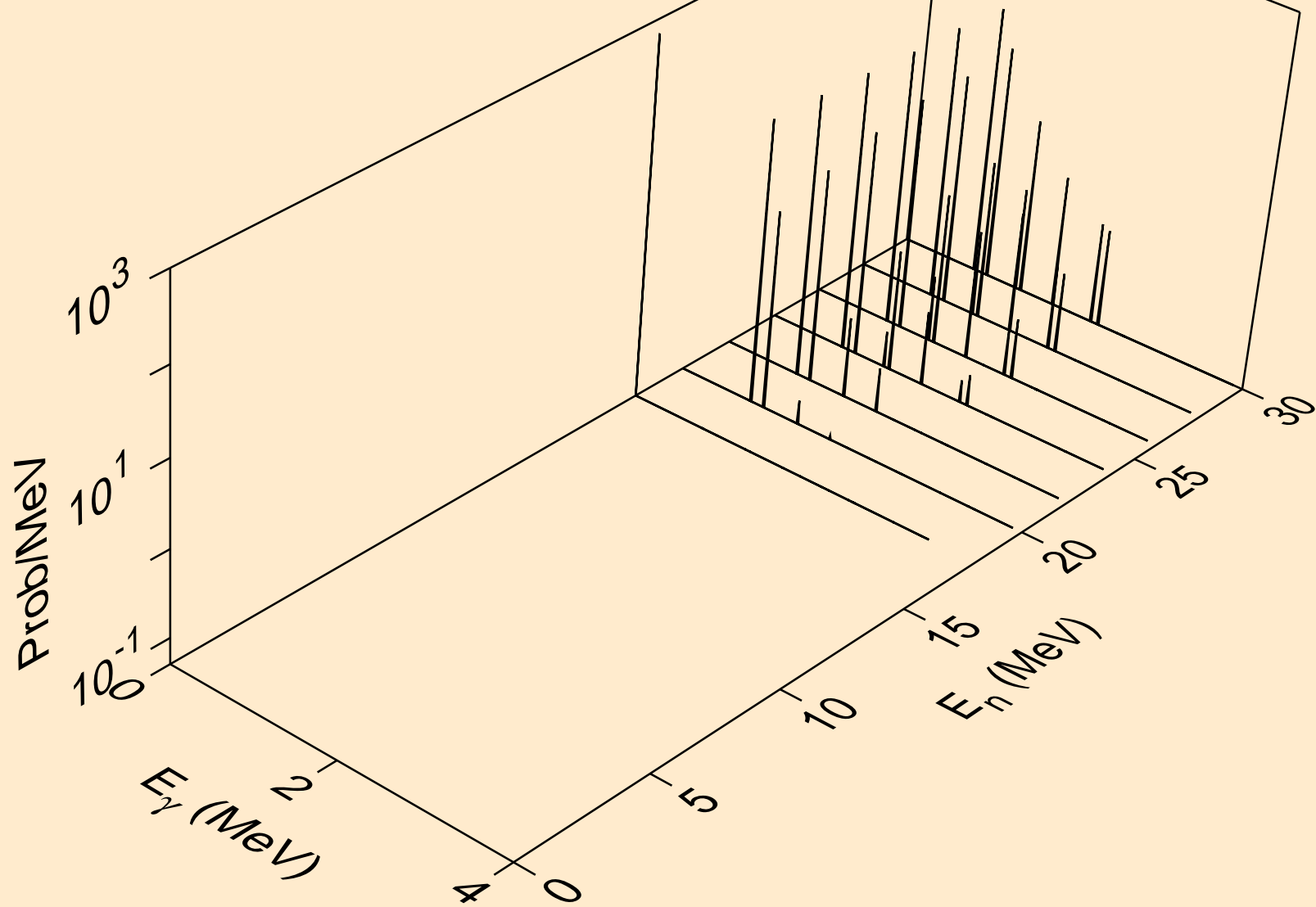
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Photon emission for (n,a)



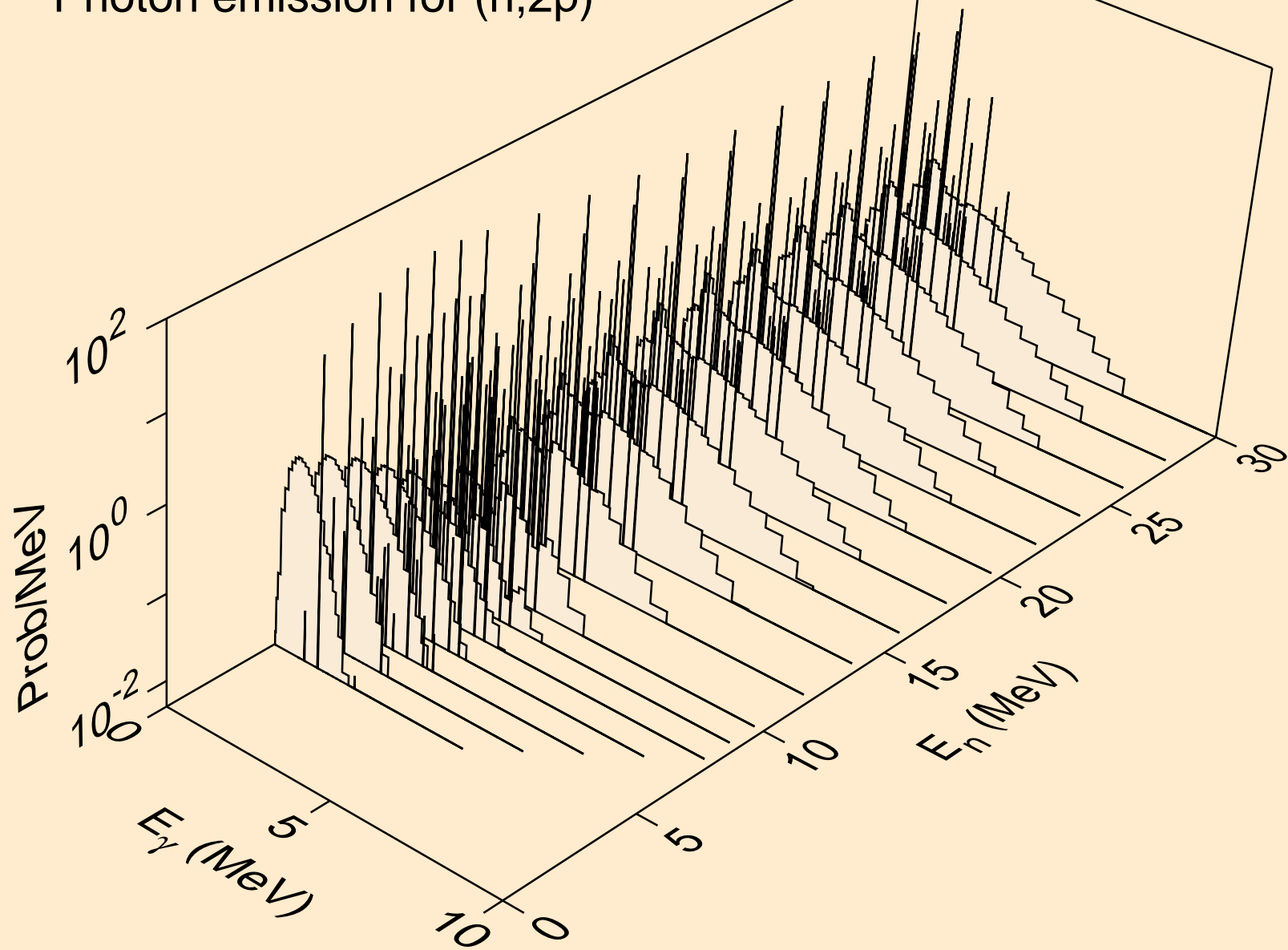
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Photon emission for (n,2a)



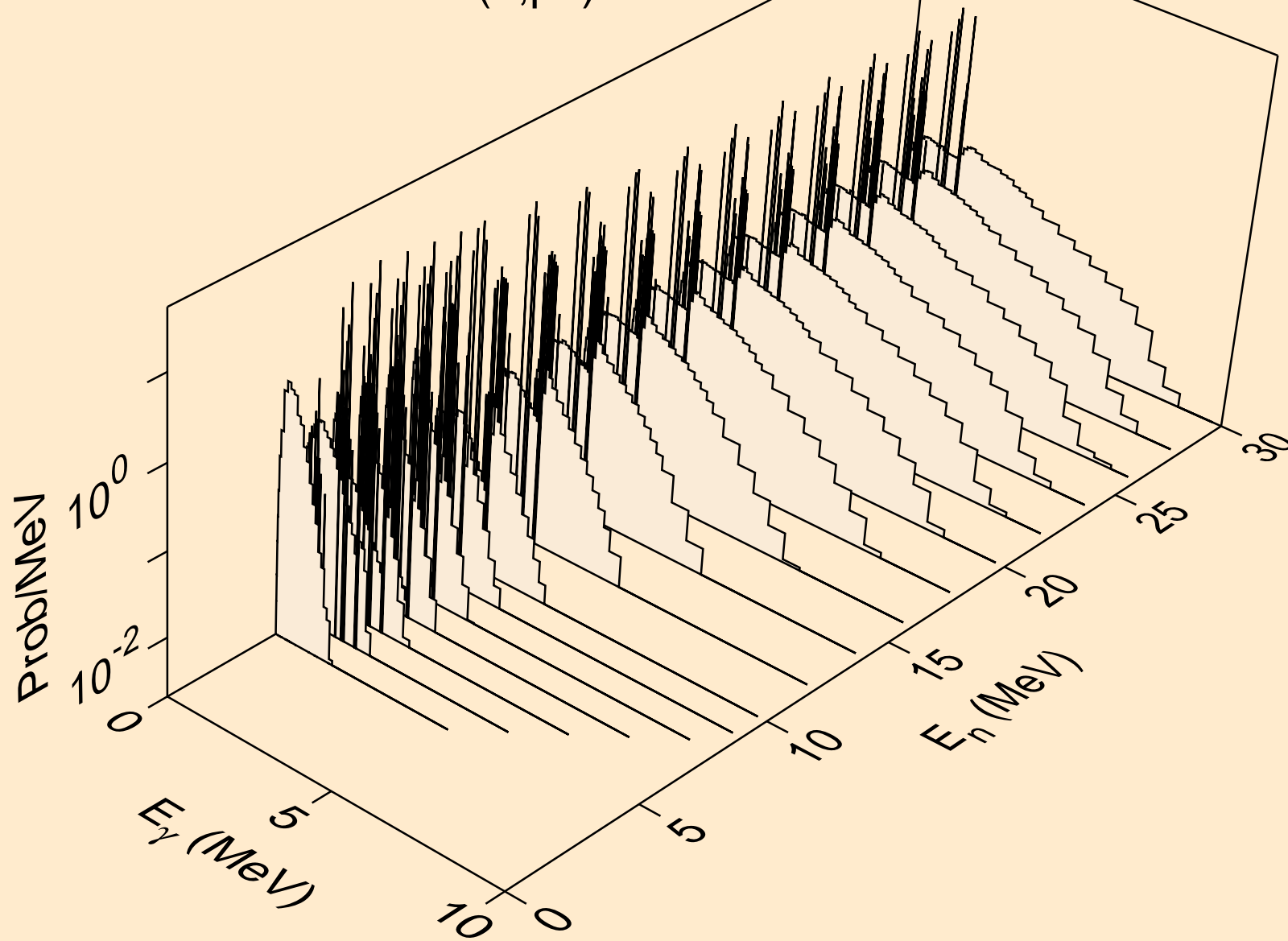
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Photon emission for (n,3a)



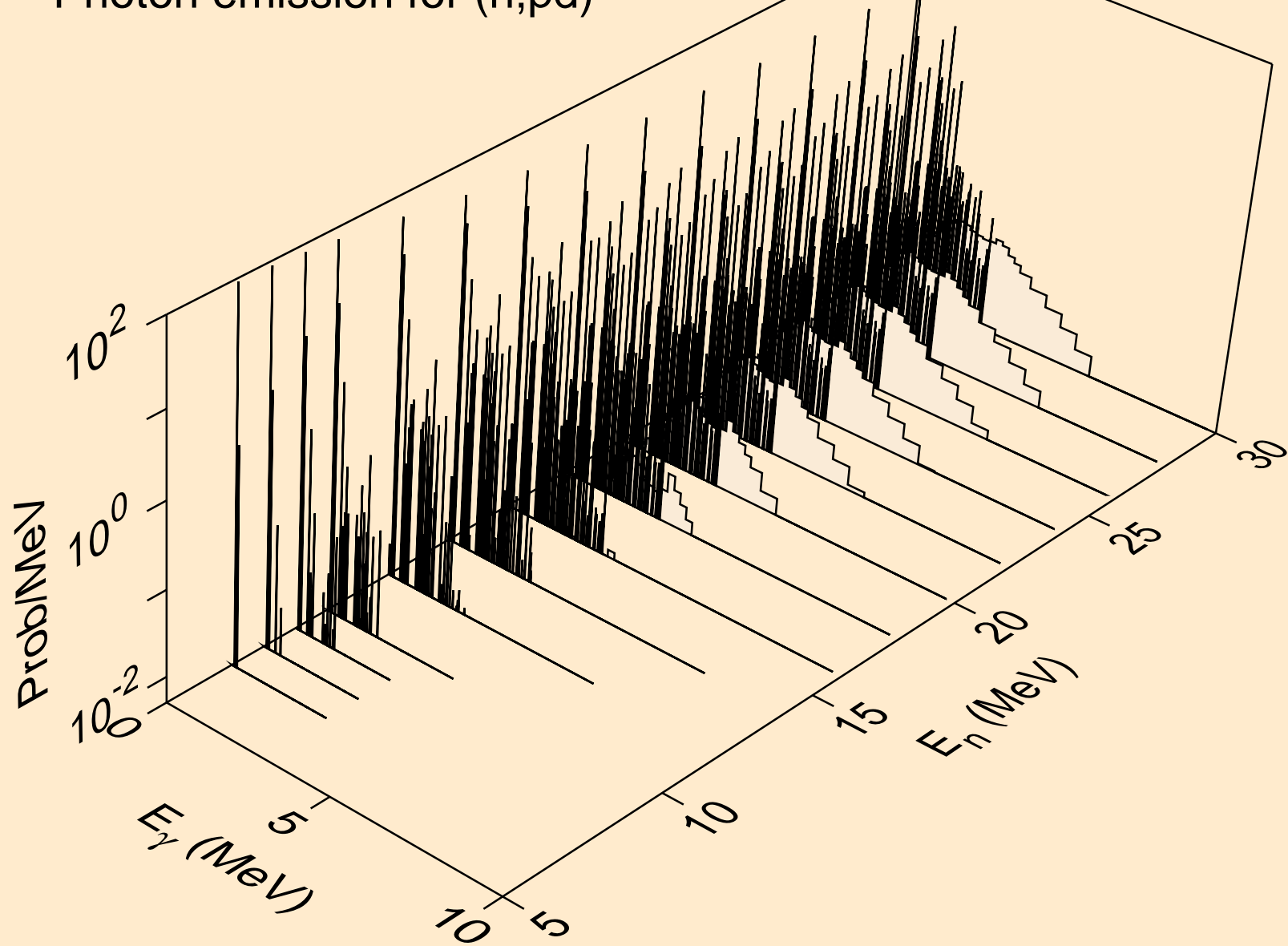
NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)



NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pa)

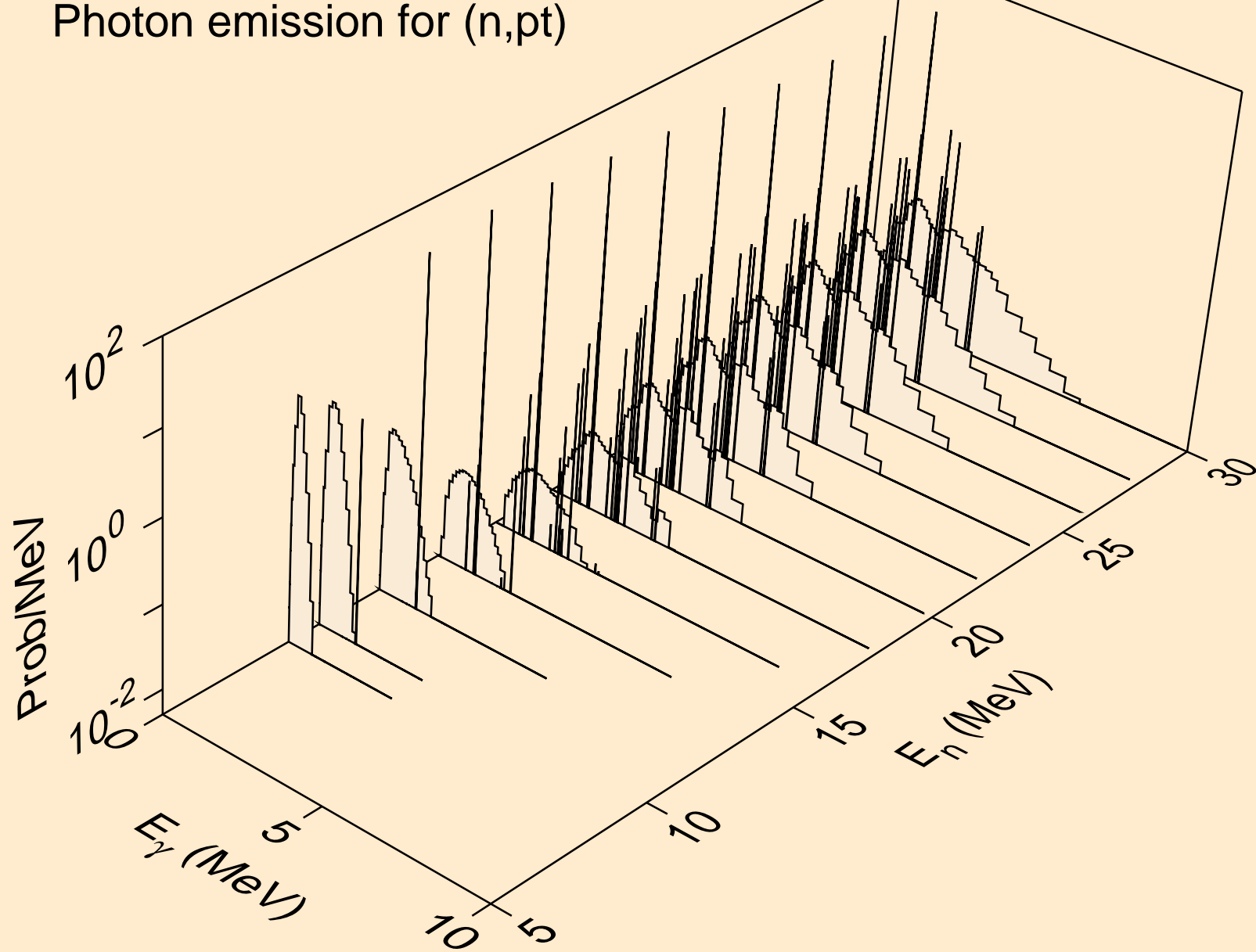


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Photon emission for (n,pd)

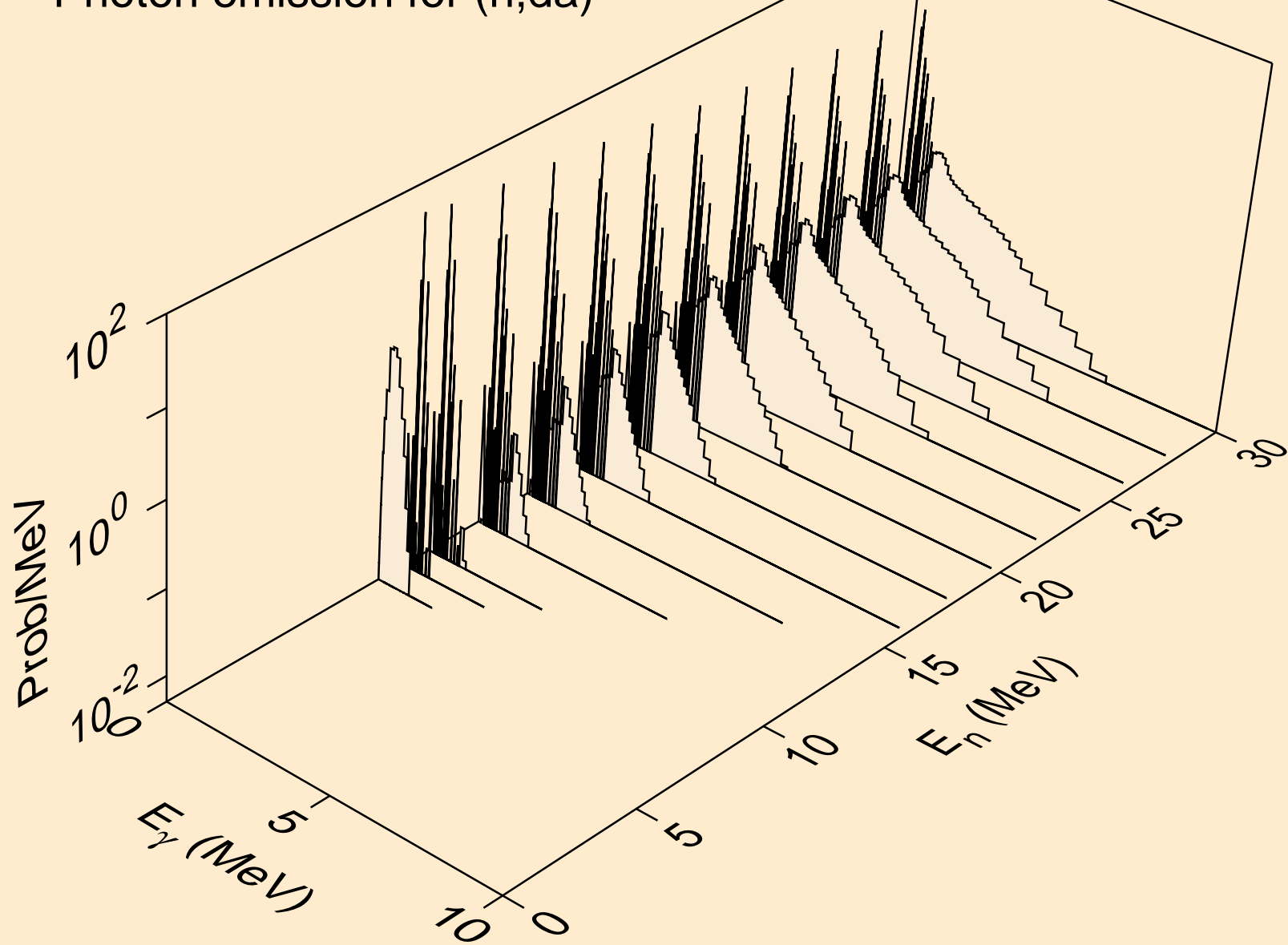




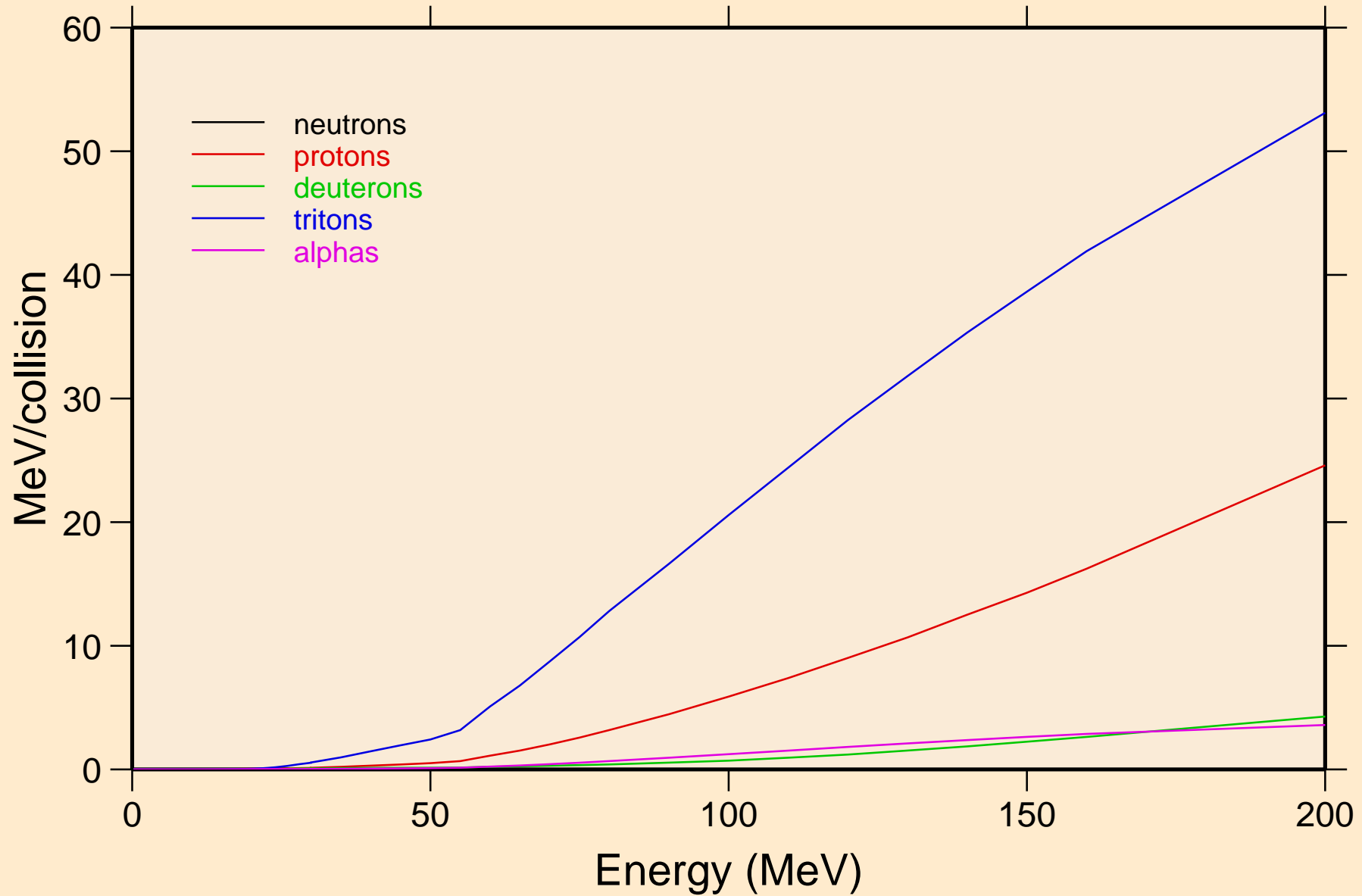
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Photon emission for (n,pt)



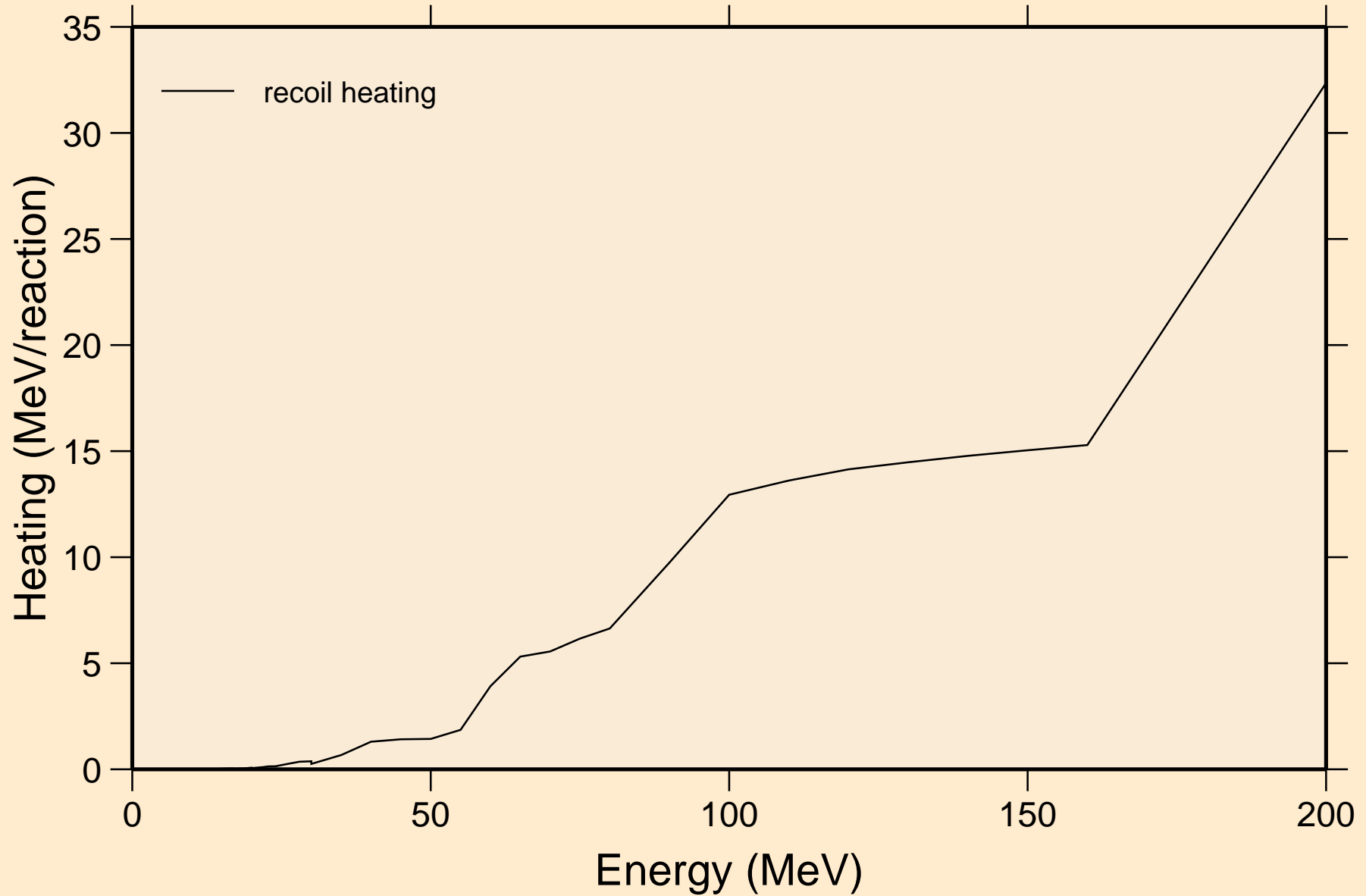
NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,da)



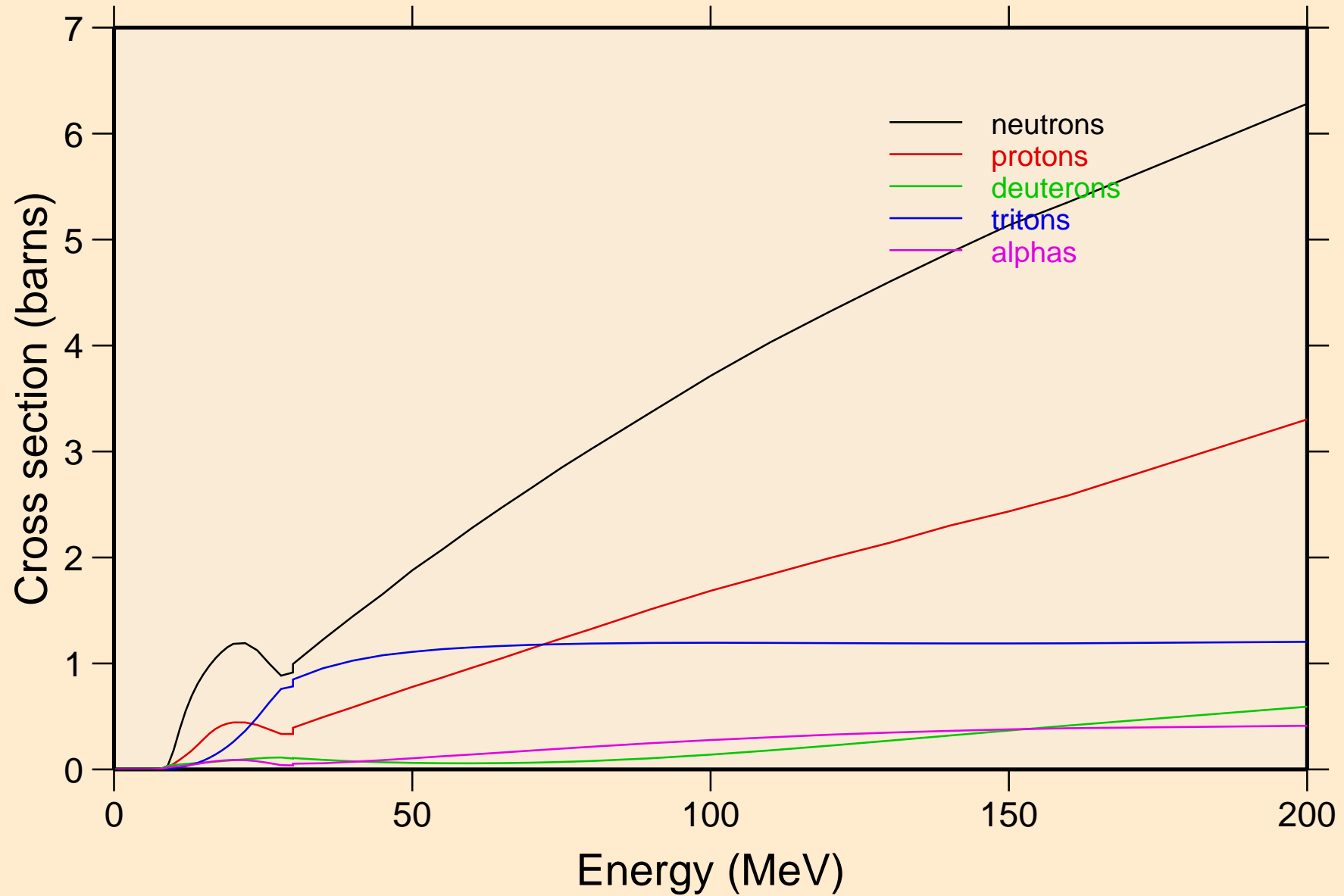
NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Particle heating contributions



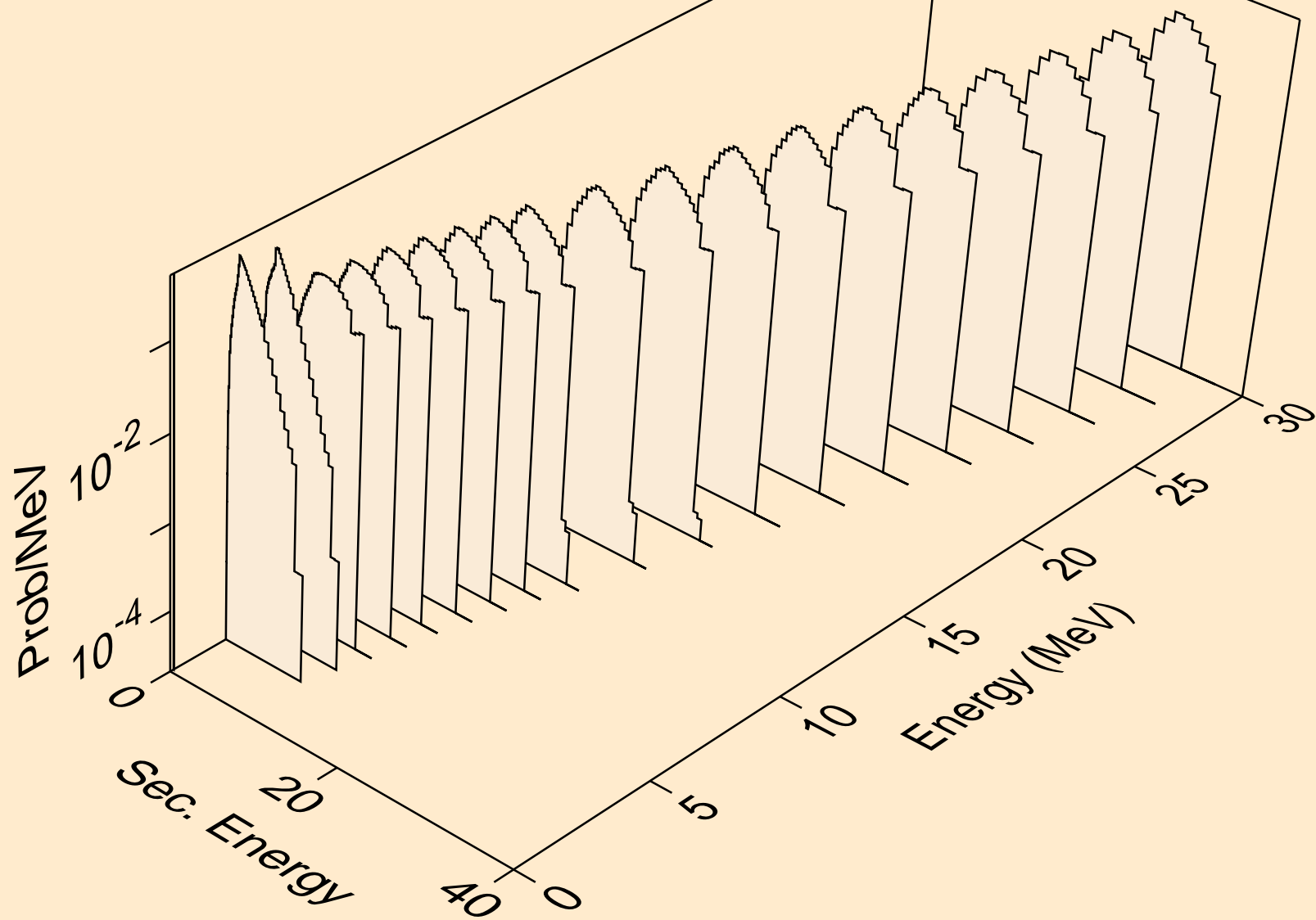
NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Recoil Heating



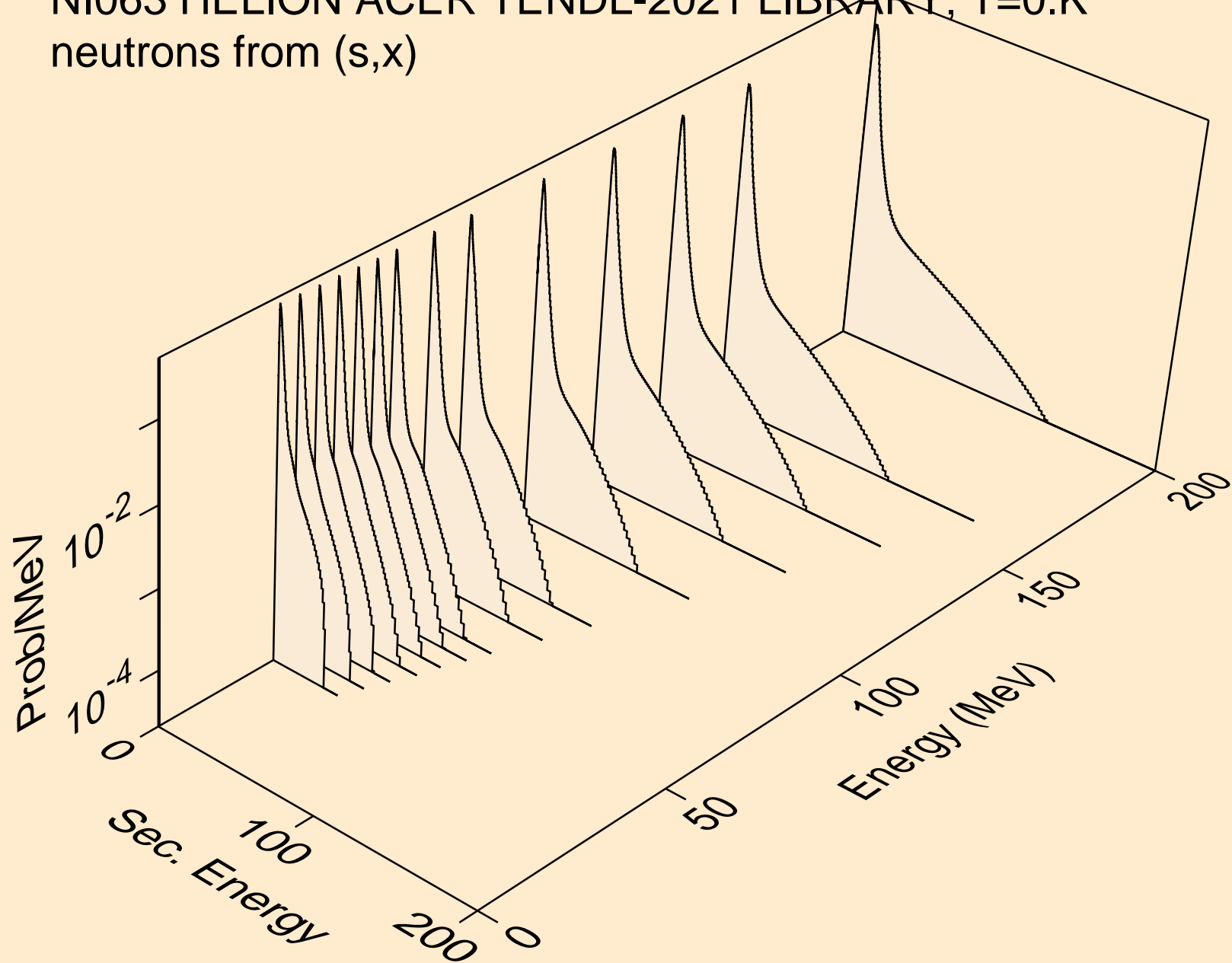
NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections



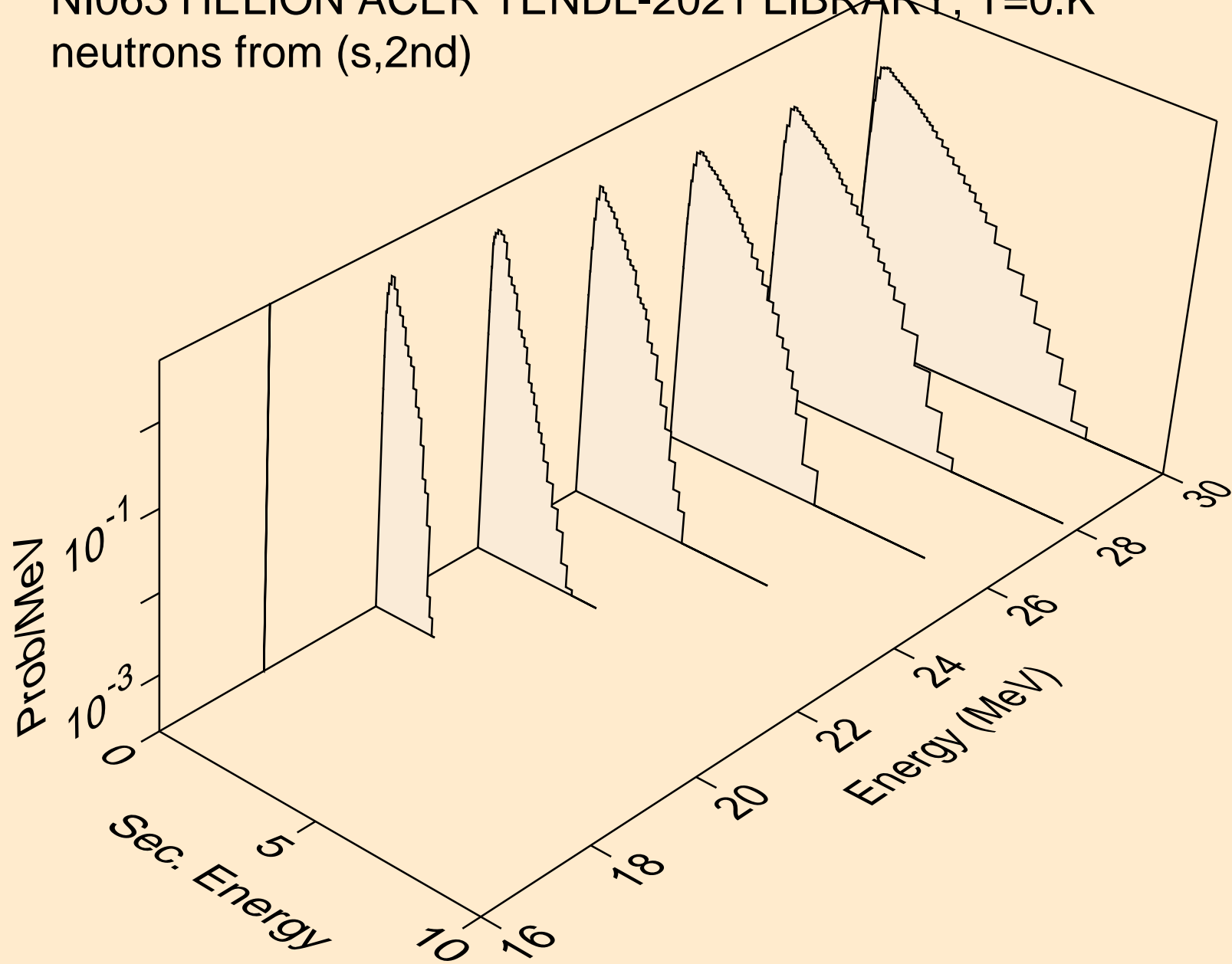
NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n)



NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,x)

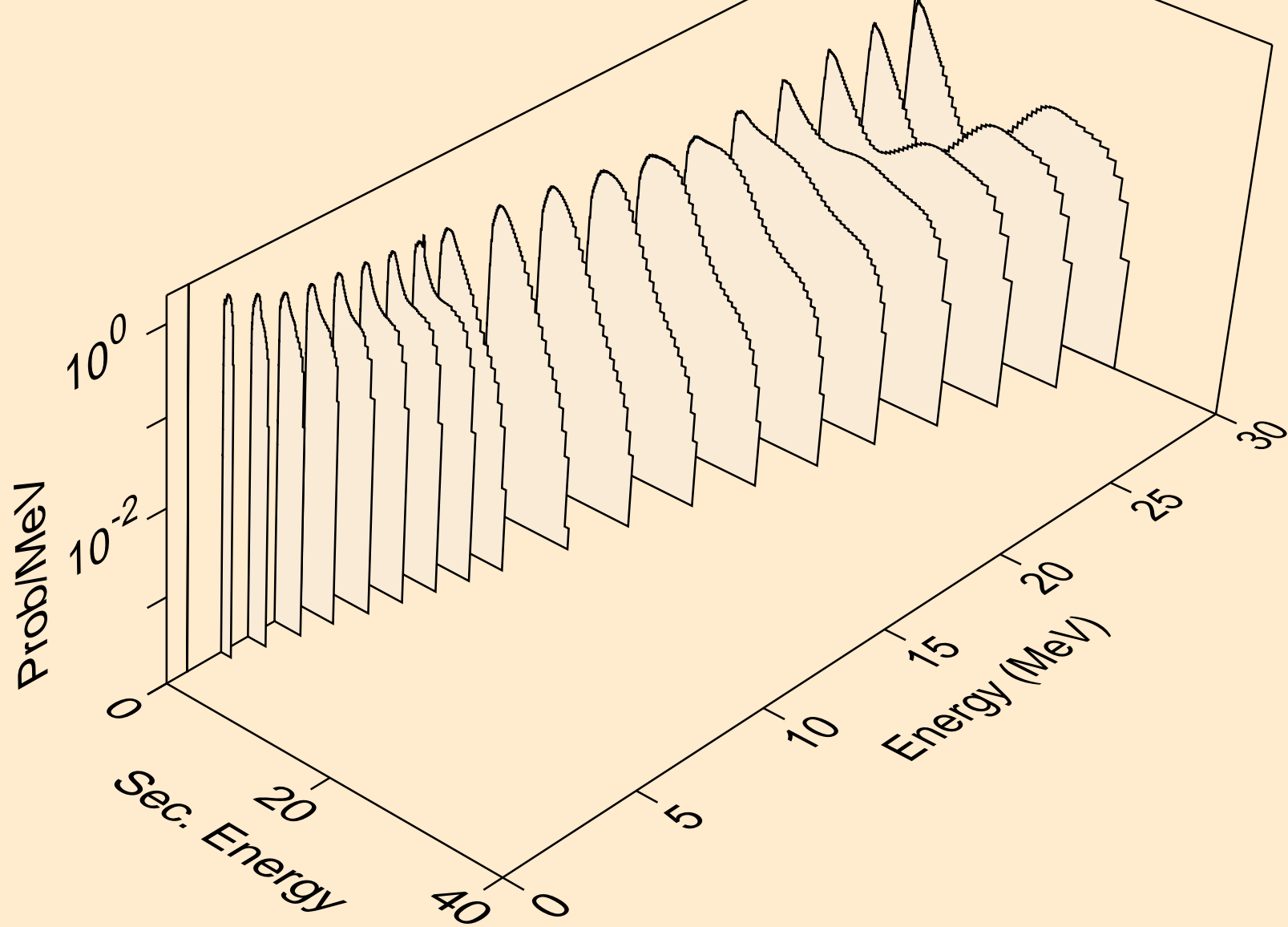


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neutrons from (s,2nd)

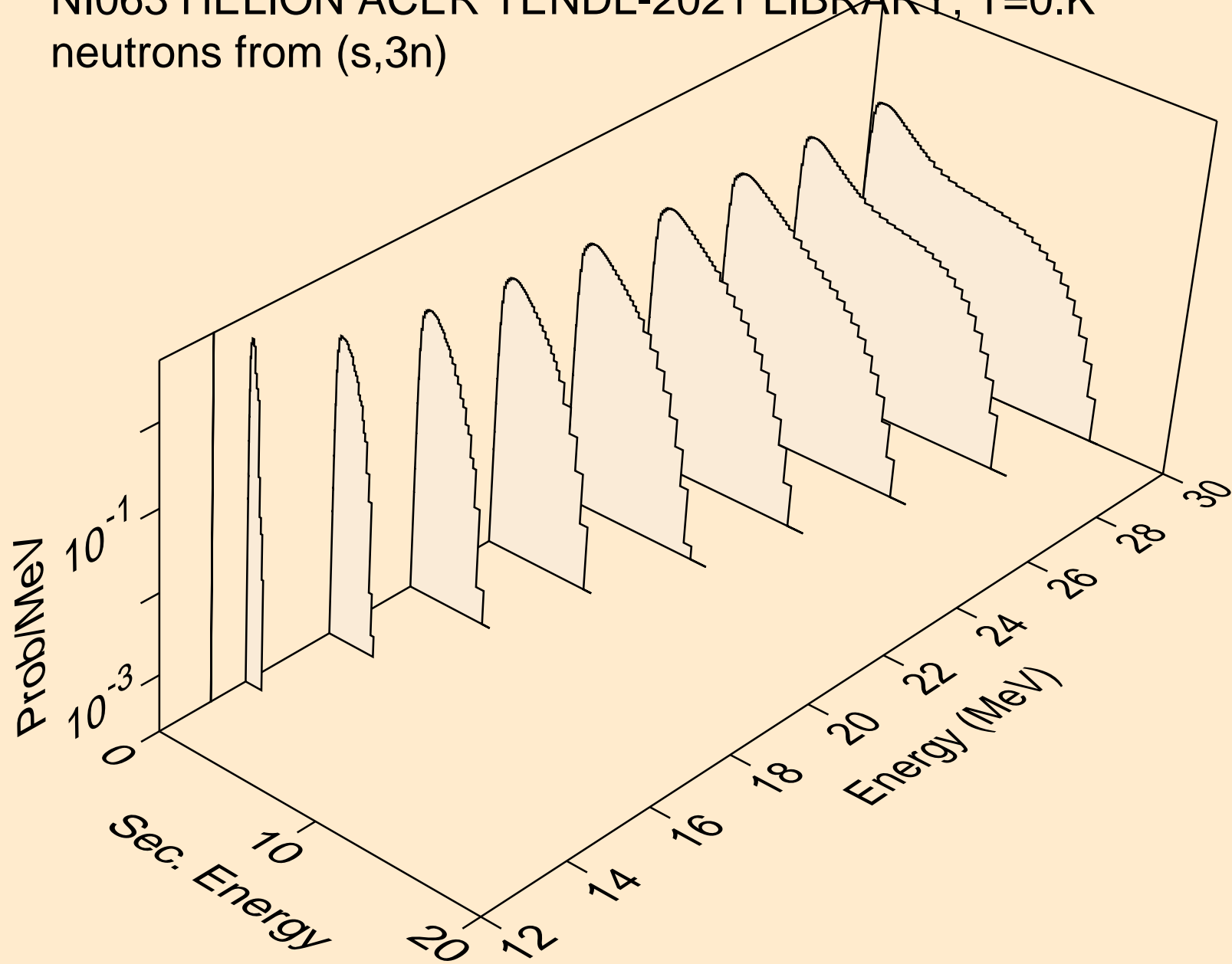




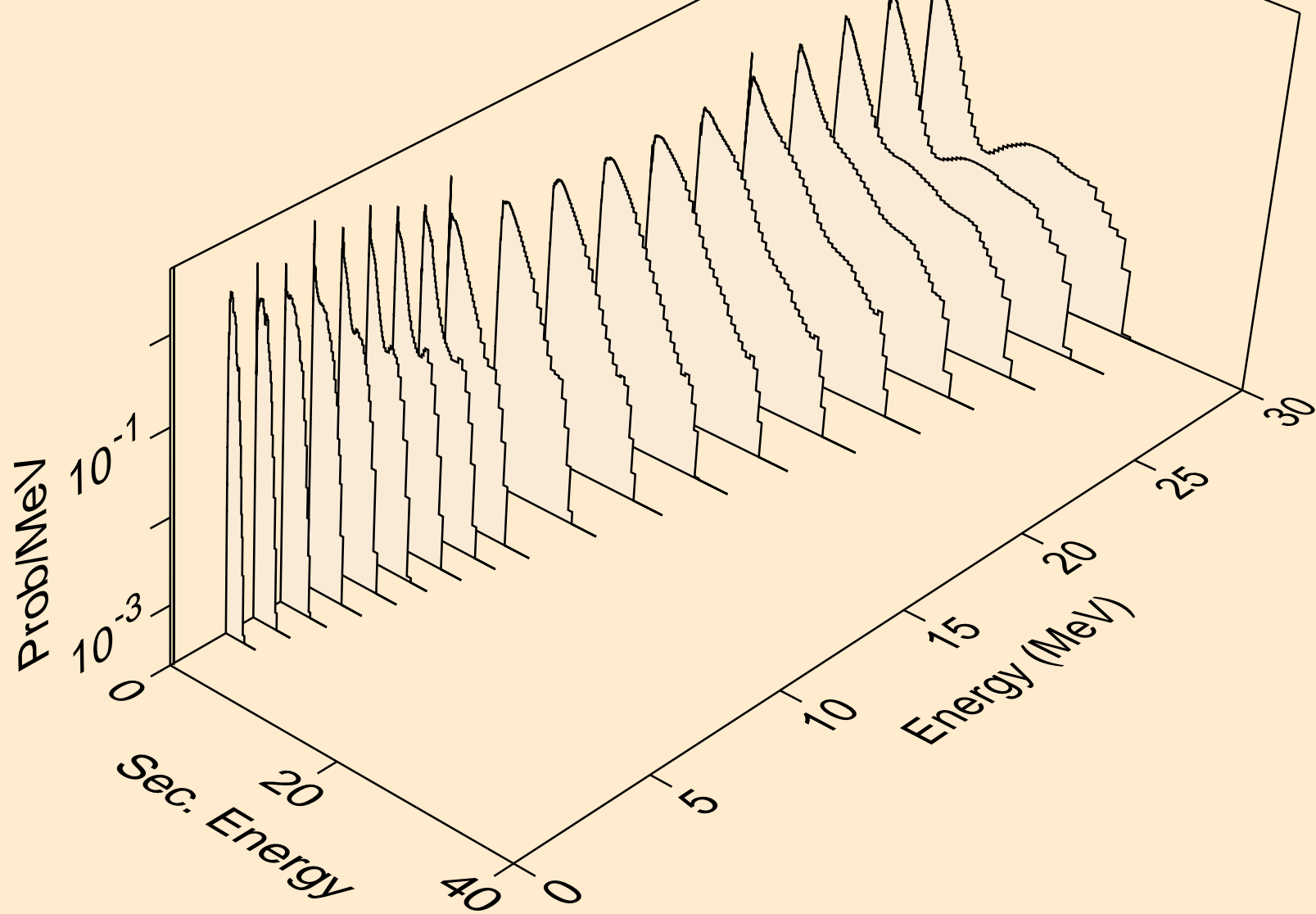
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neutrons from (s,2n)



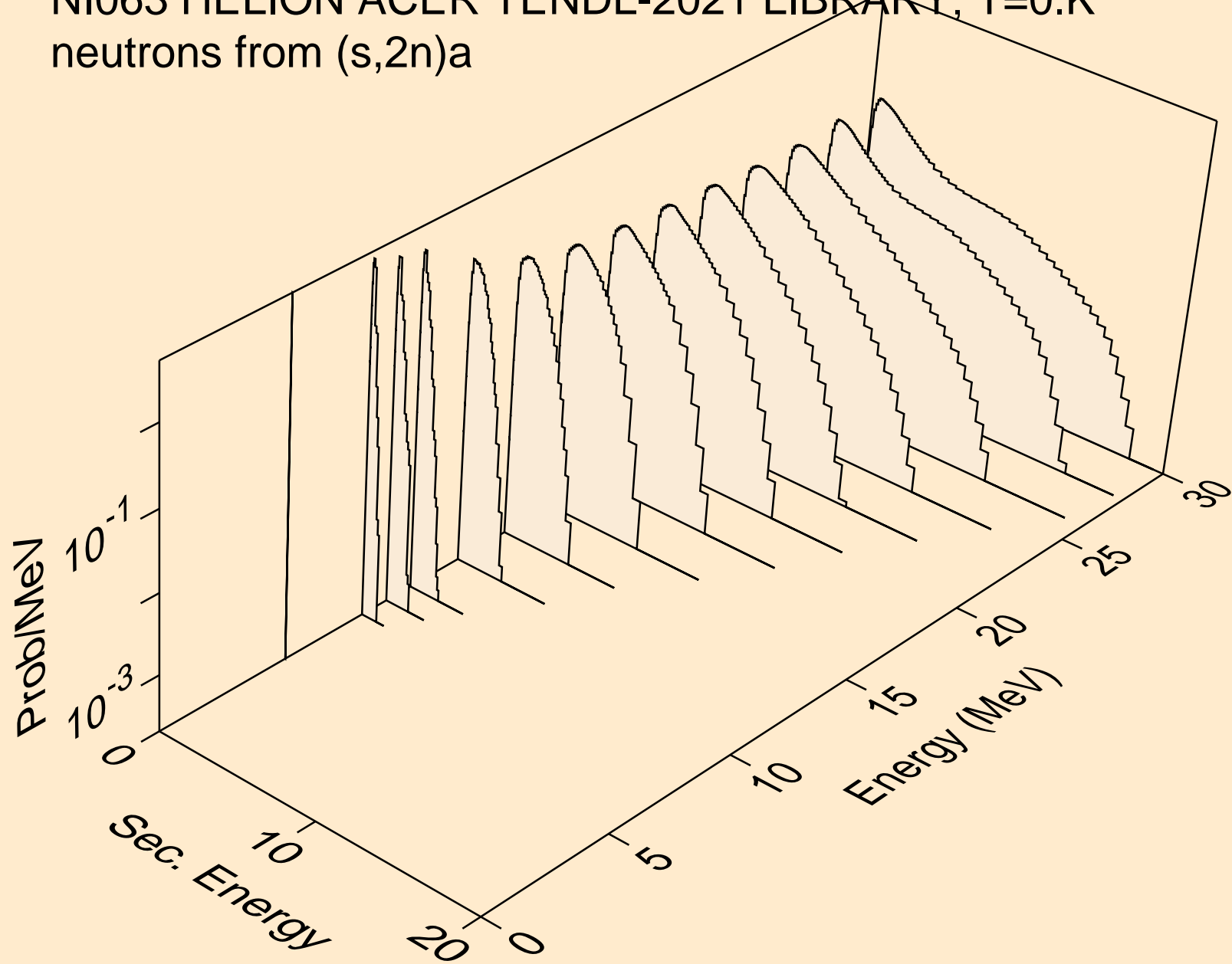
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neutrons from (s,3n)



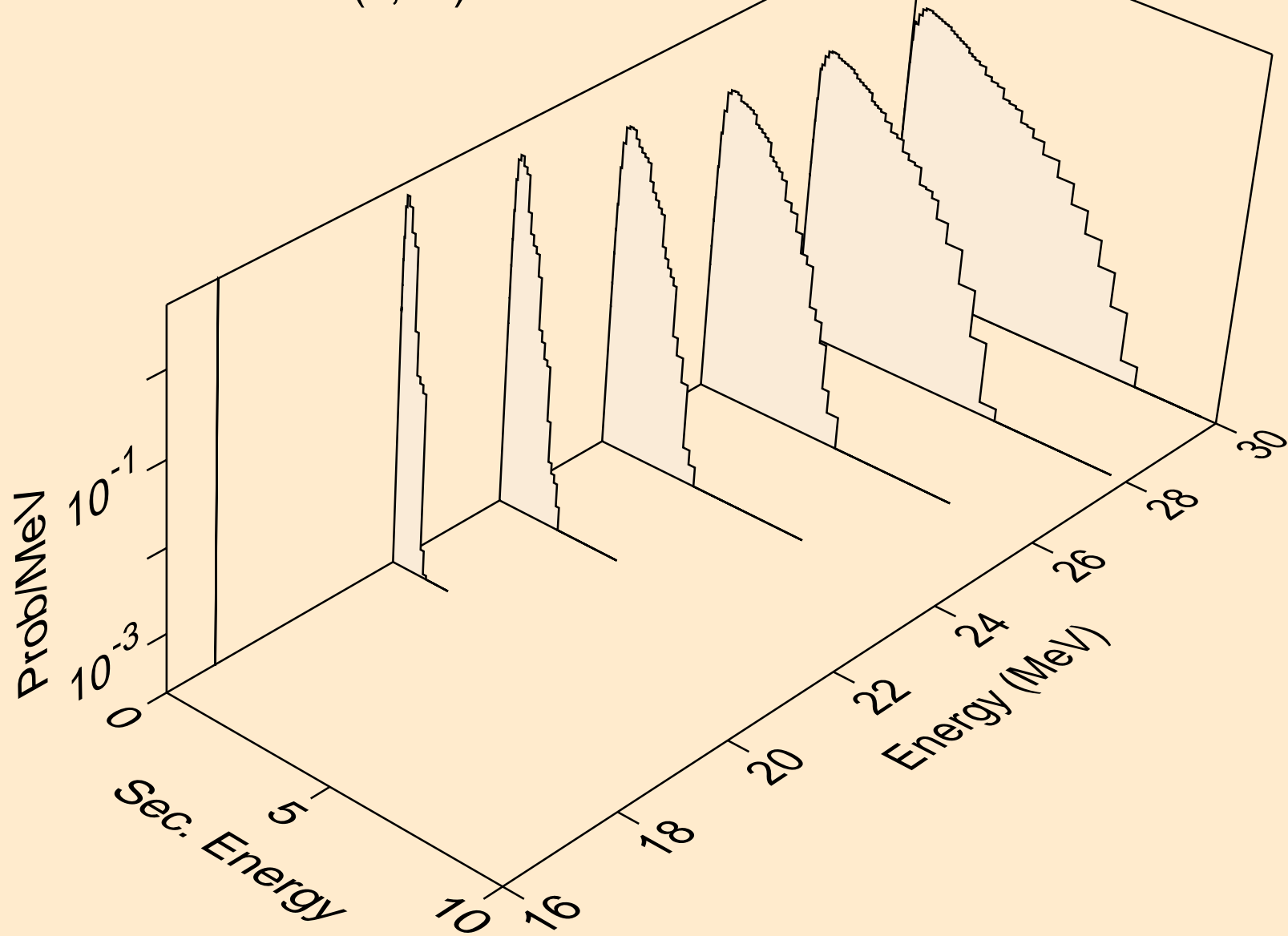
NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)a



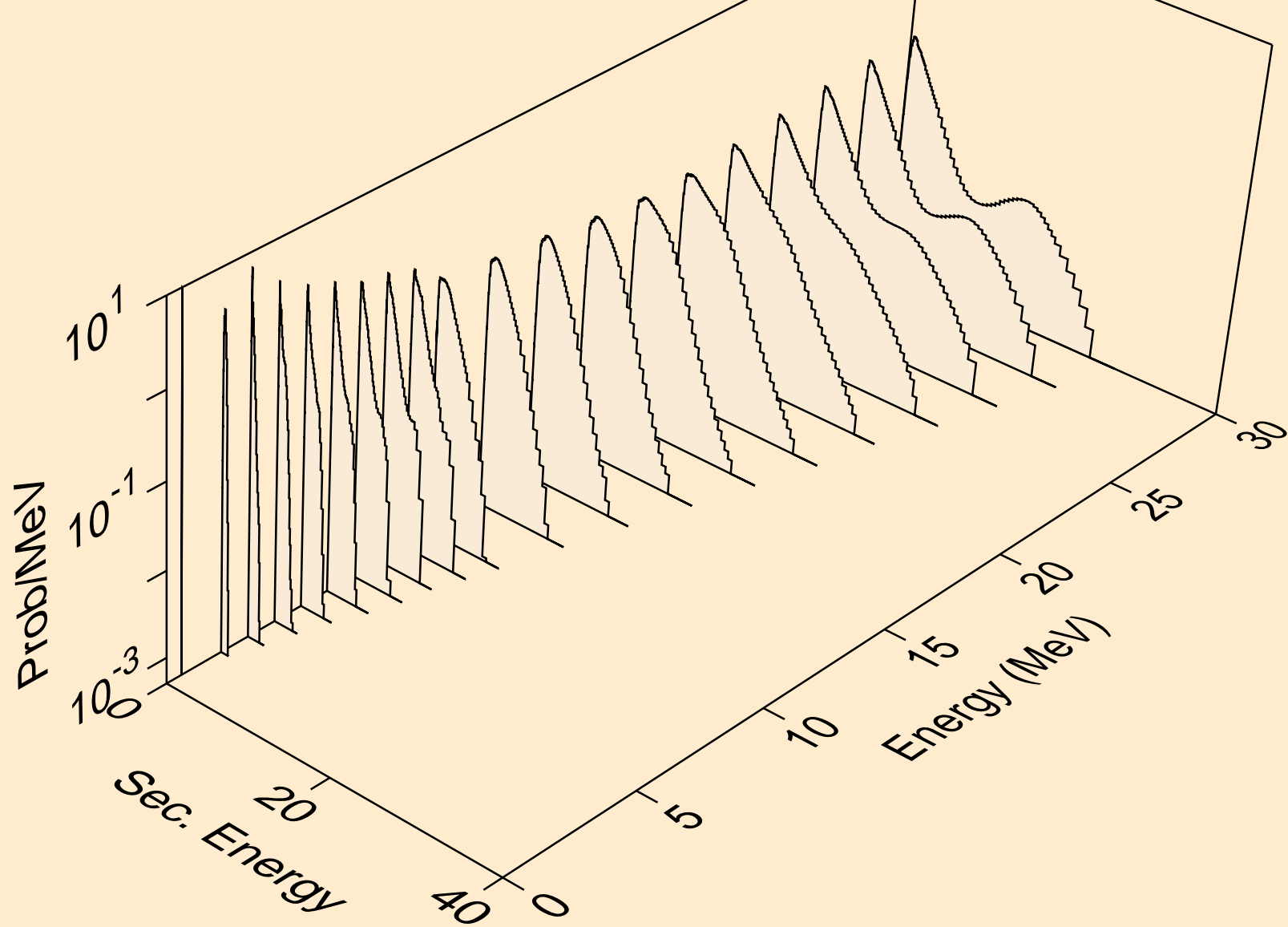
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neutrons from (s,2n)a



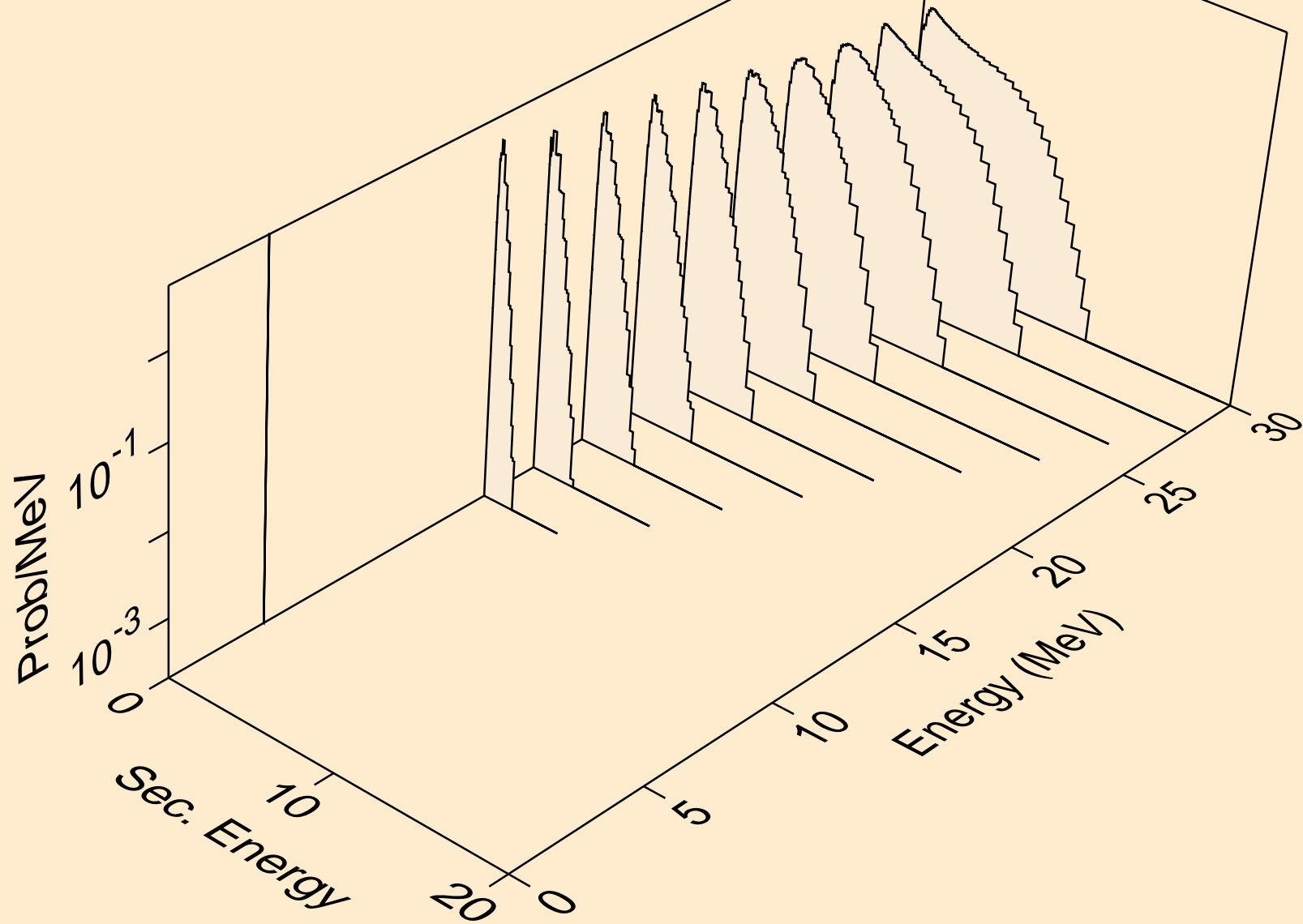
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neutrons from (s,3n)a



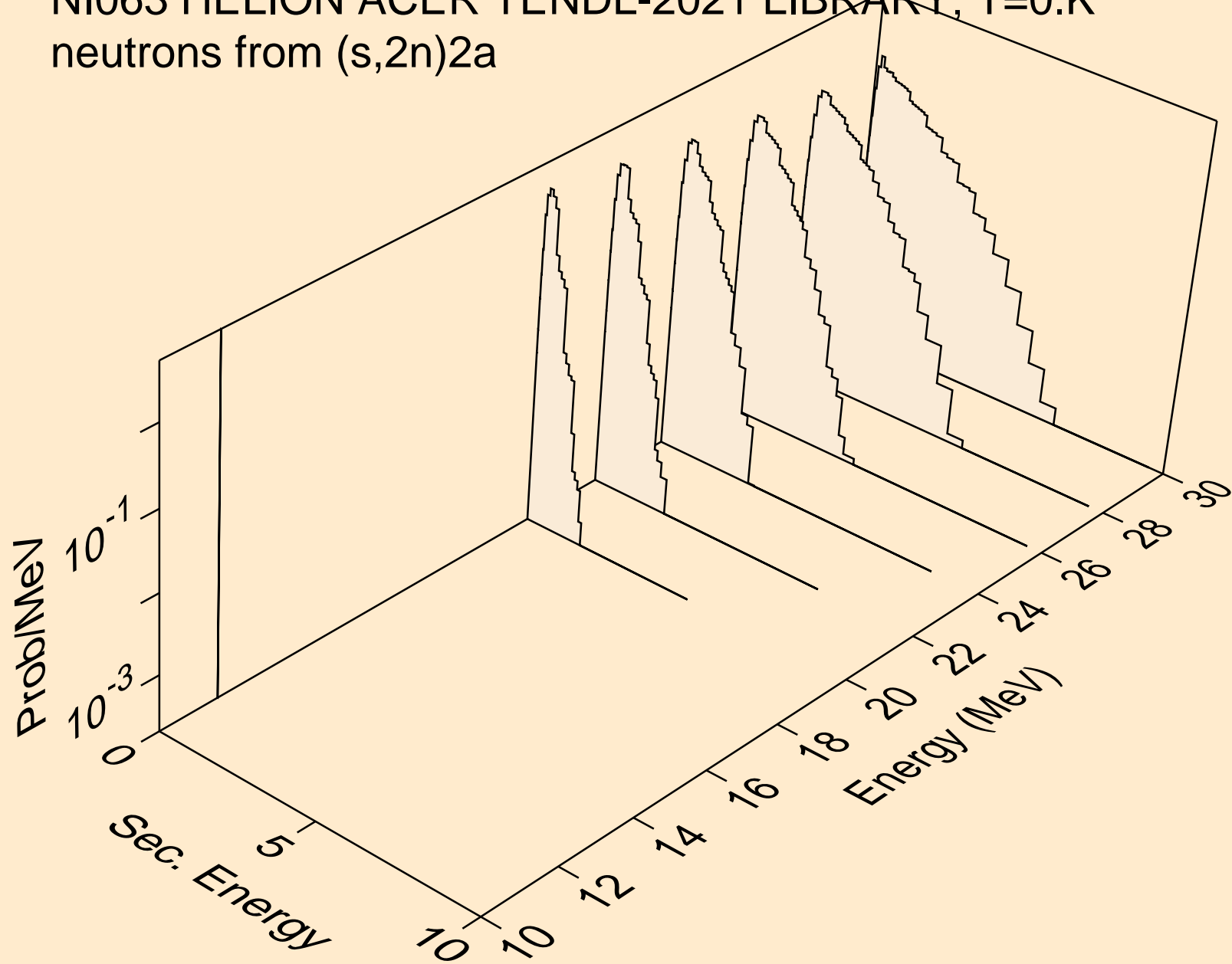
NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)p



NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
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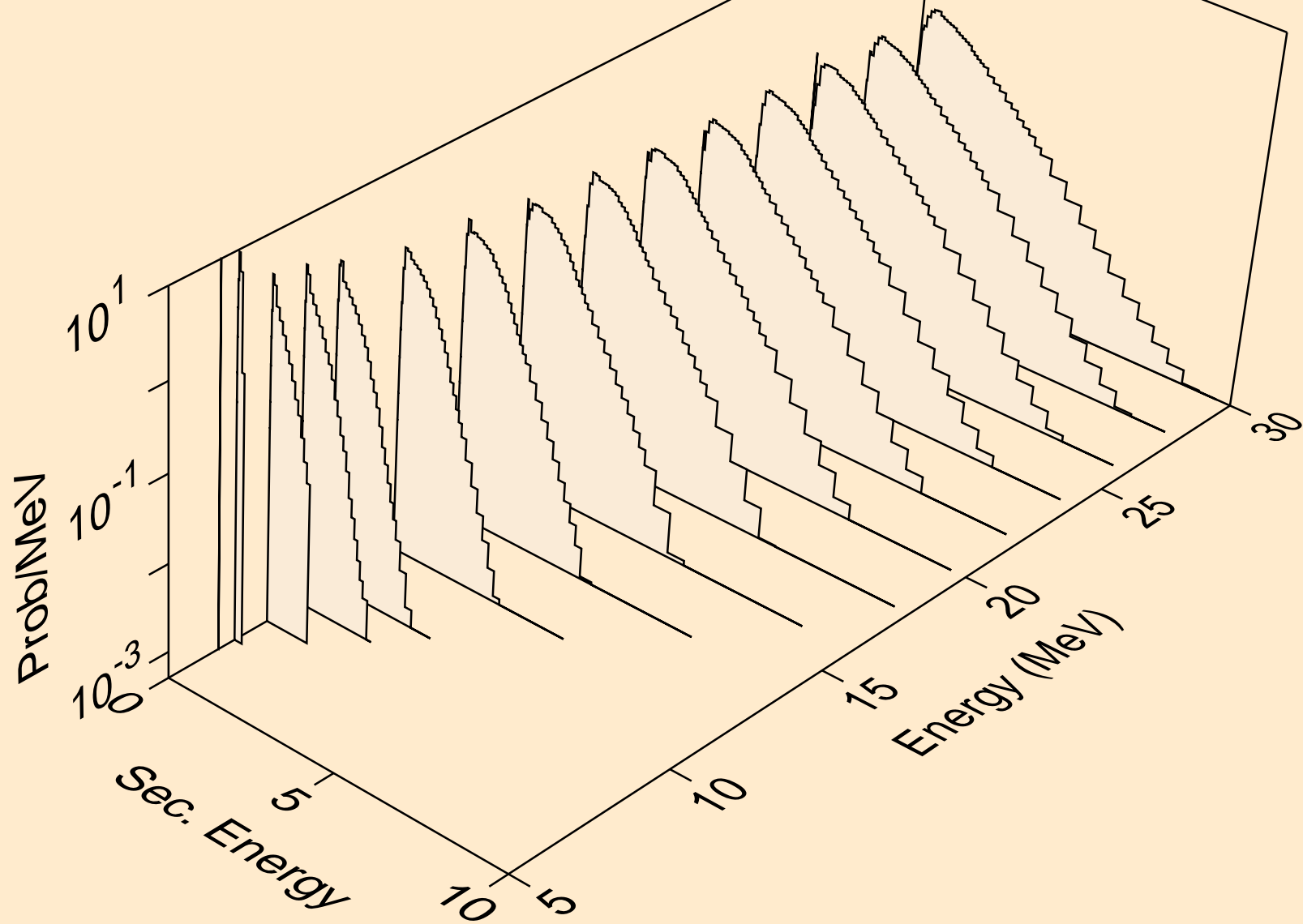


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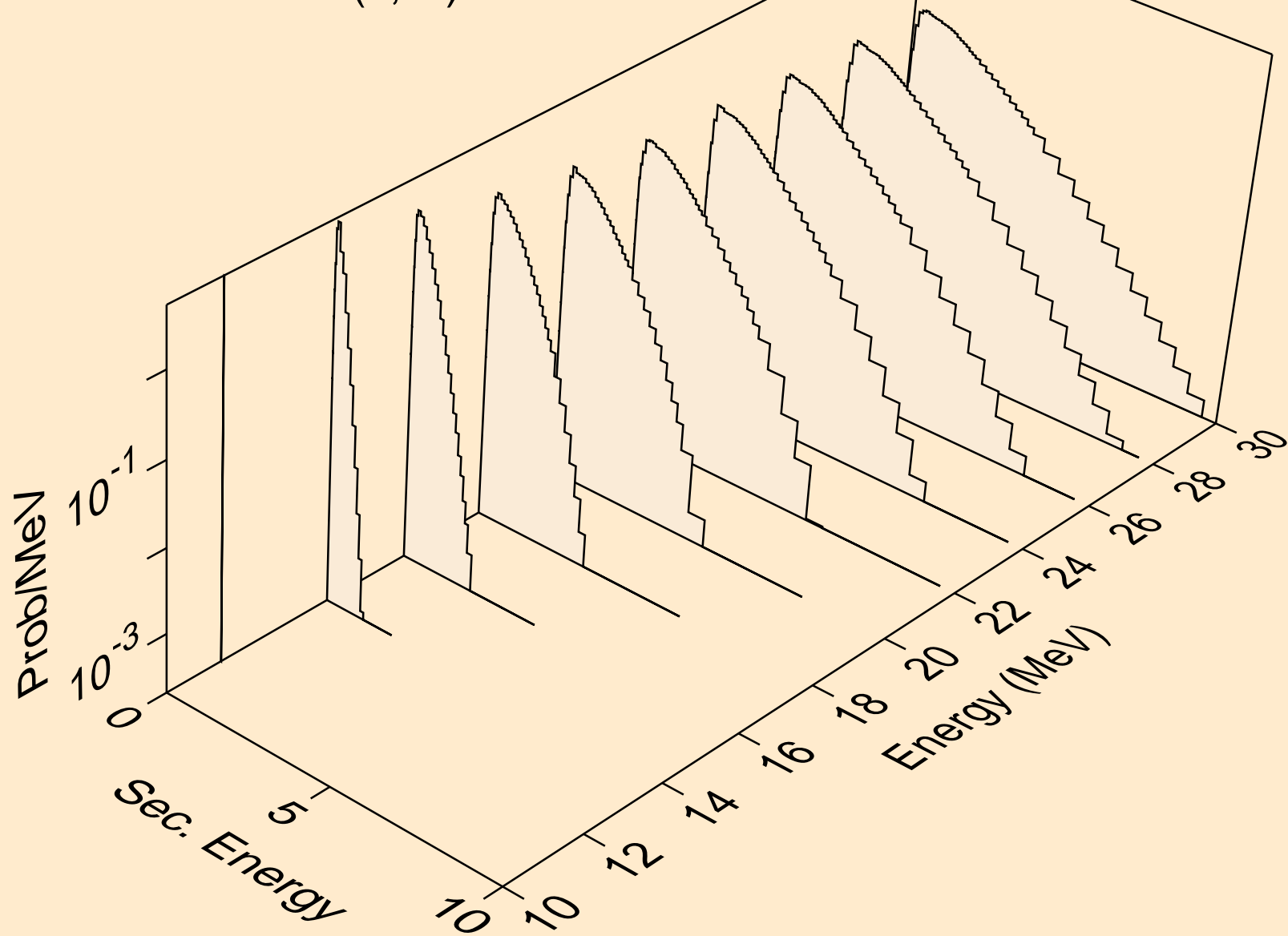




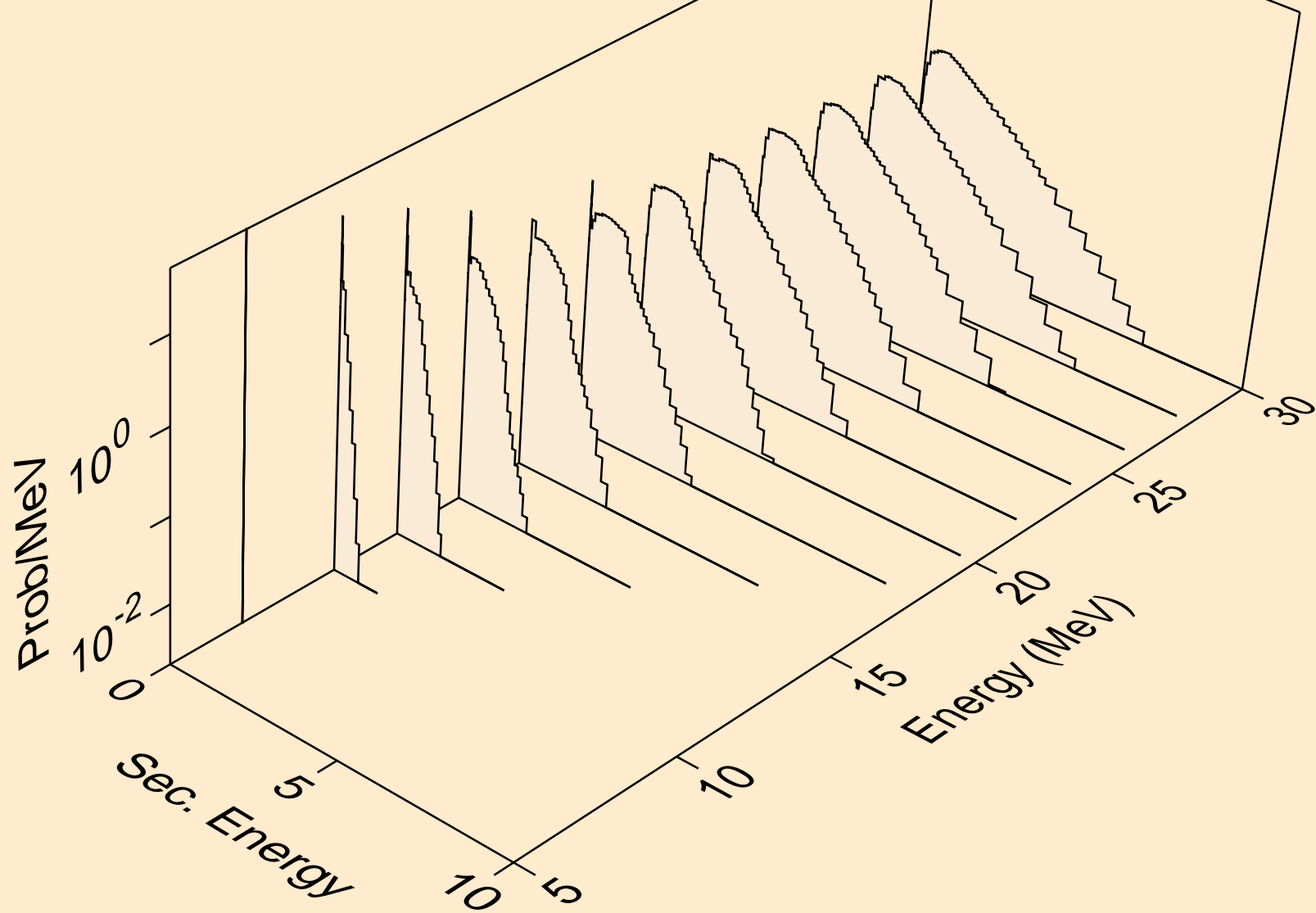
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neutrons from (s,n\*)d



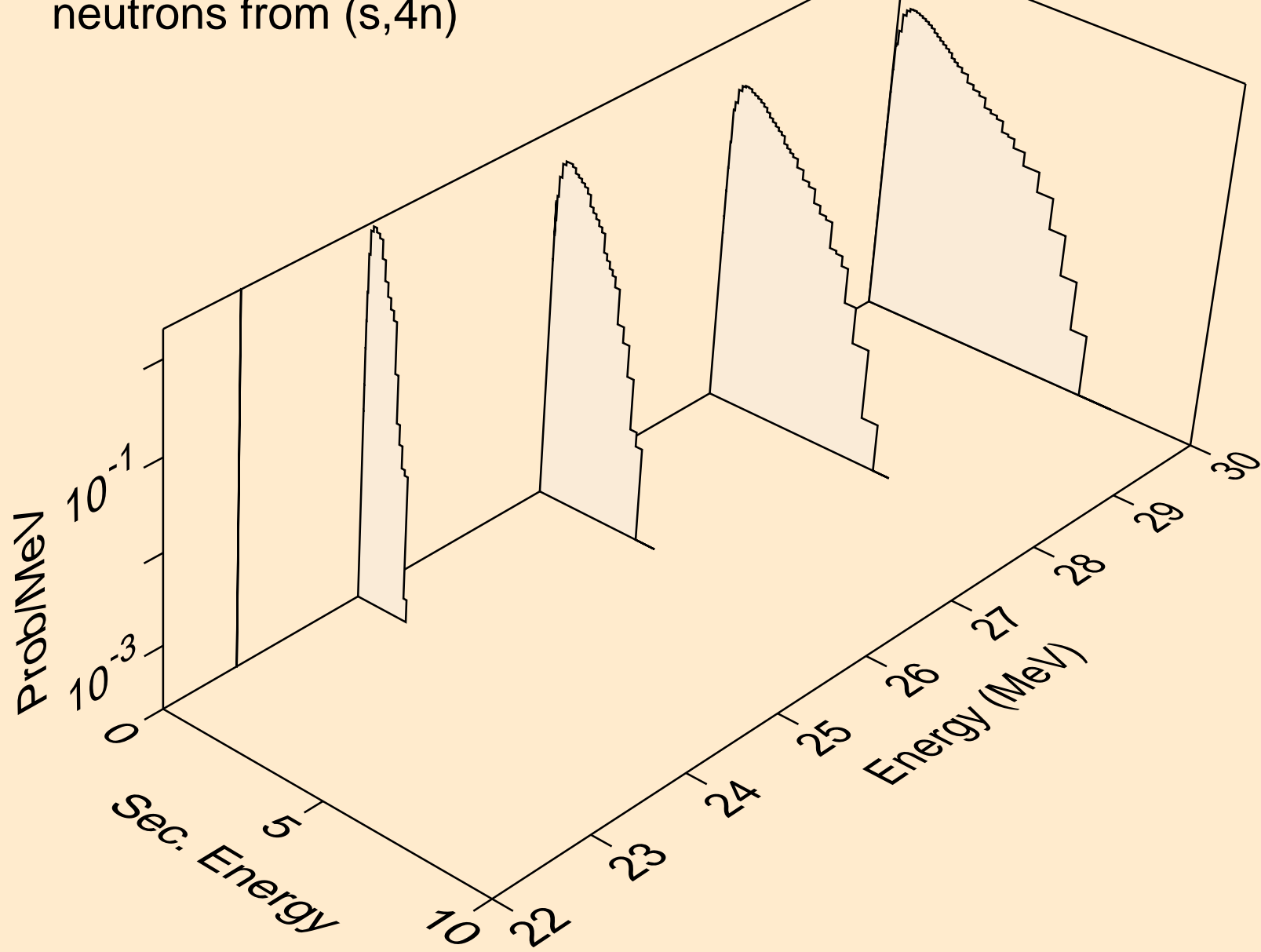
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neutrons from (s,n\*)t



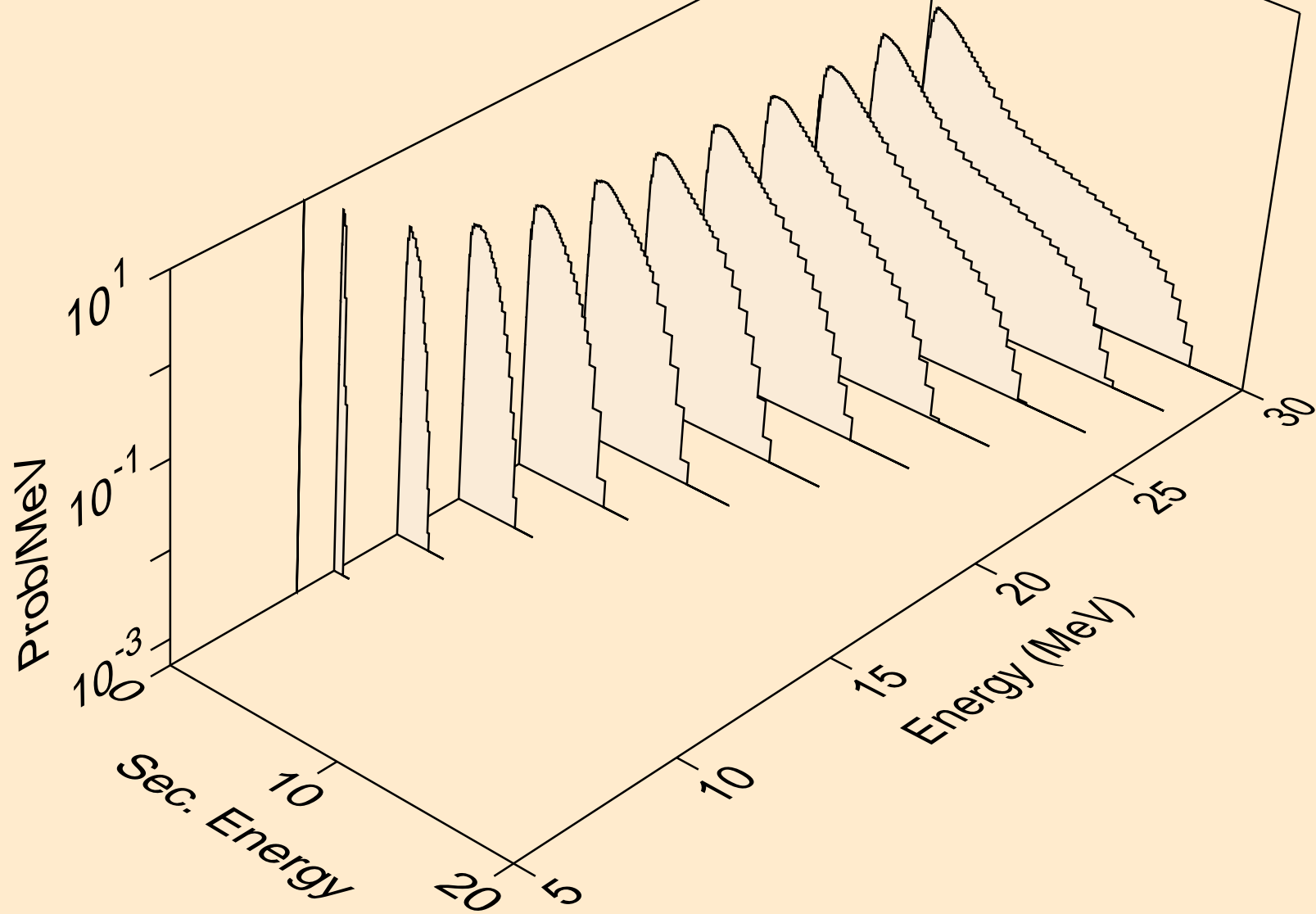
NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)he3



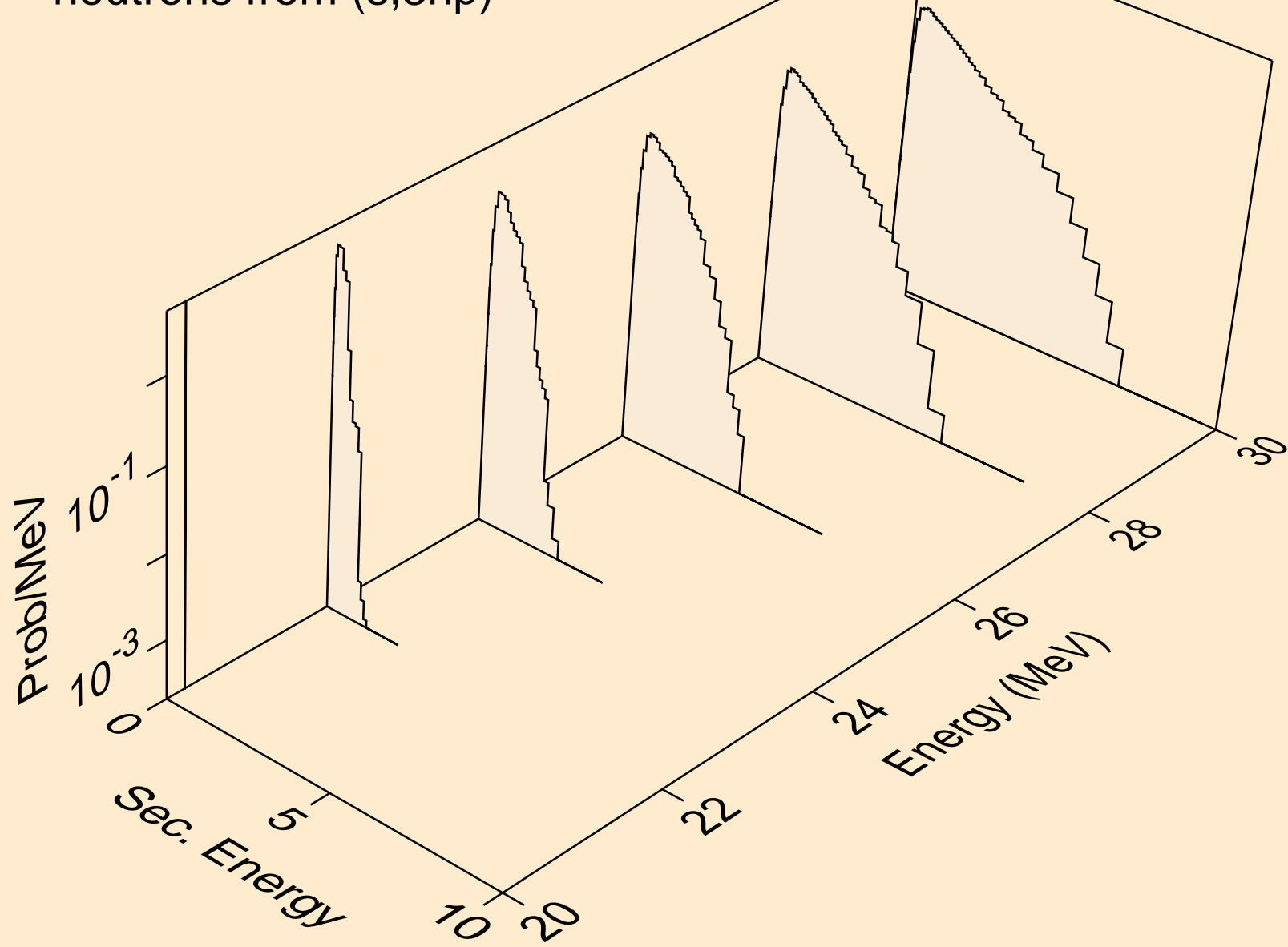
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neutrons from (s,4n)



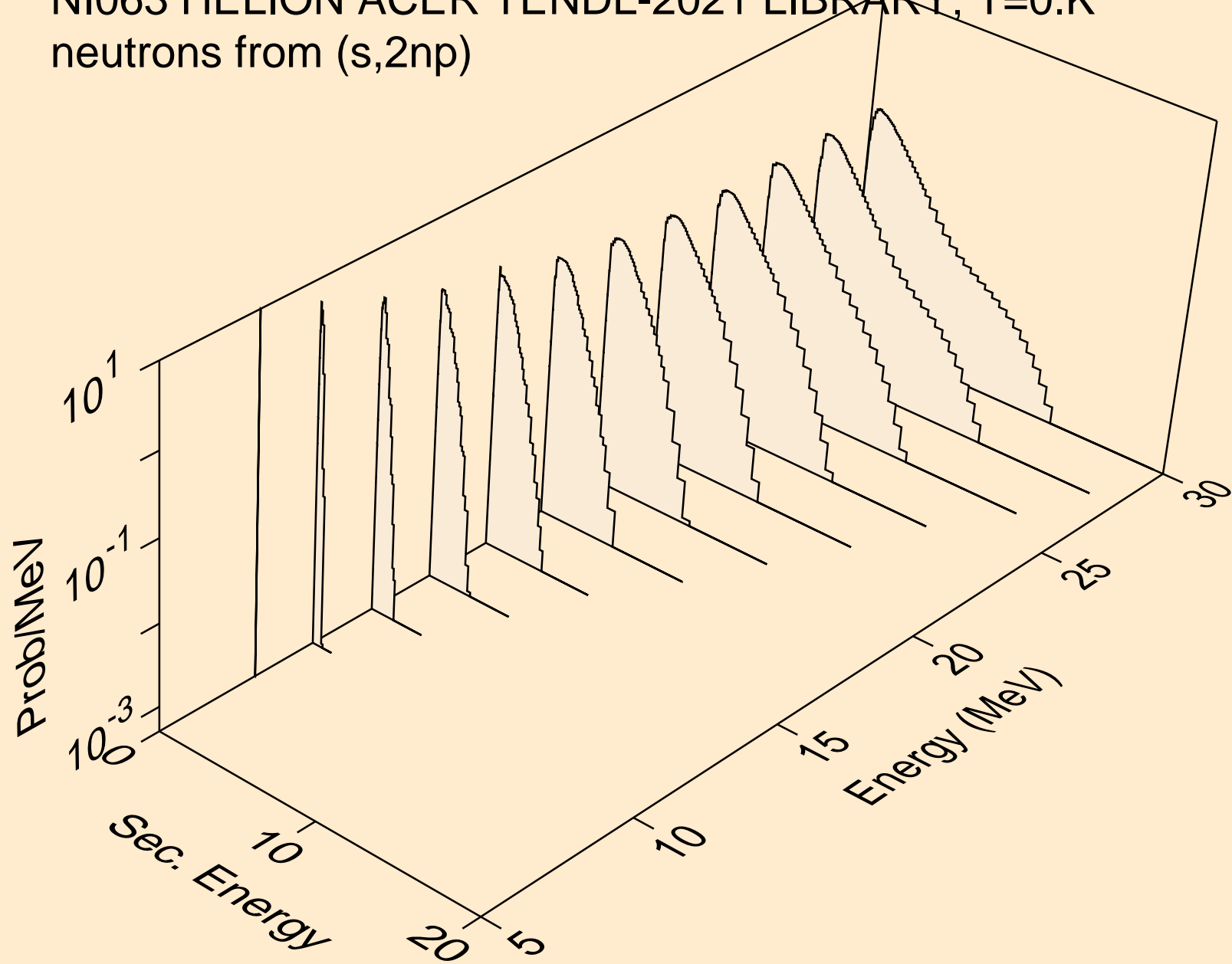
NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2np)



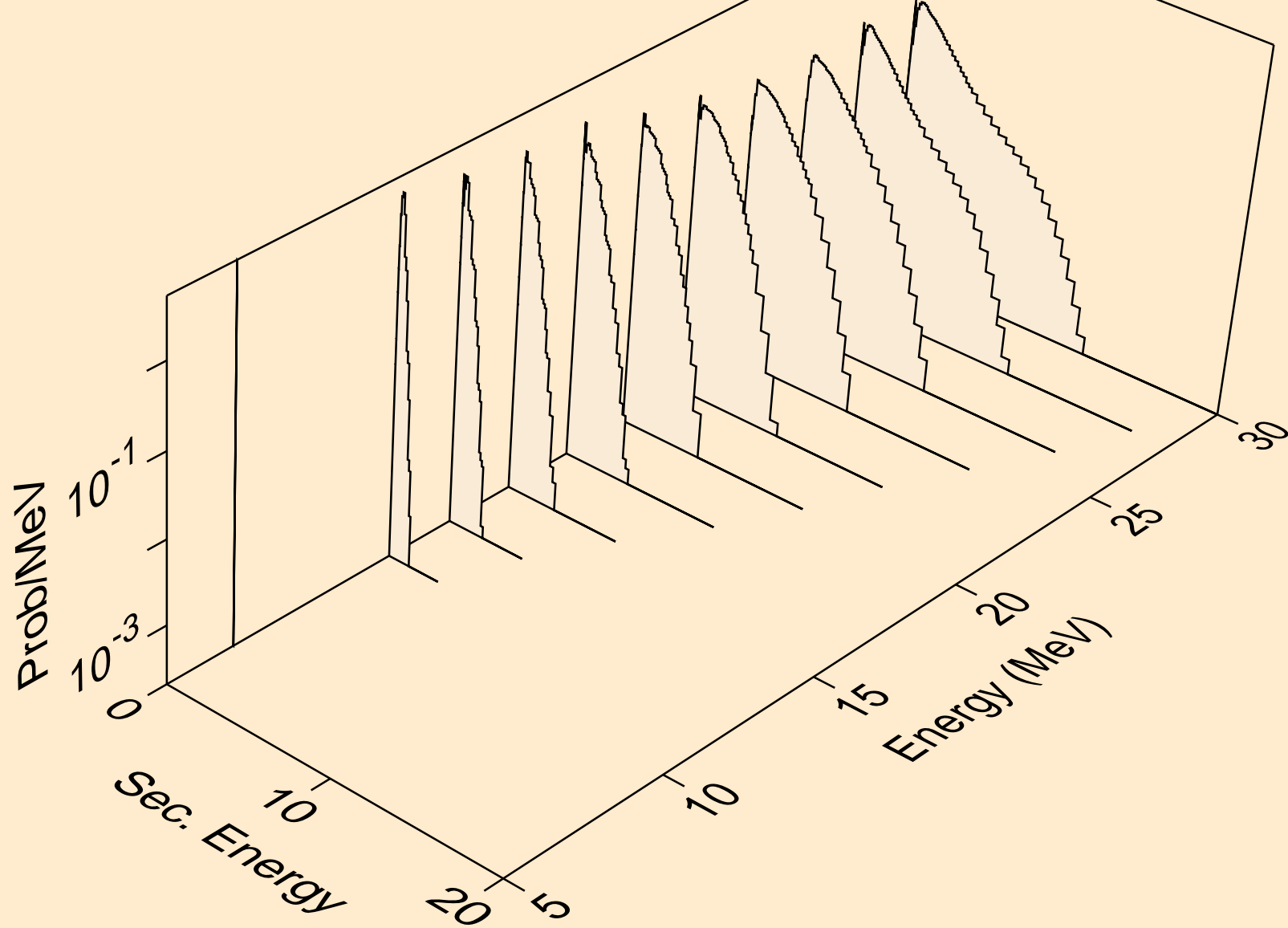
NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,3np)



NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2np)

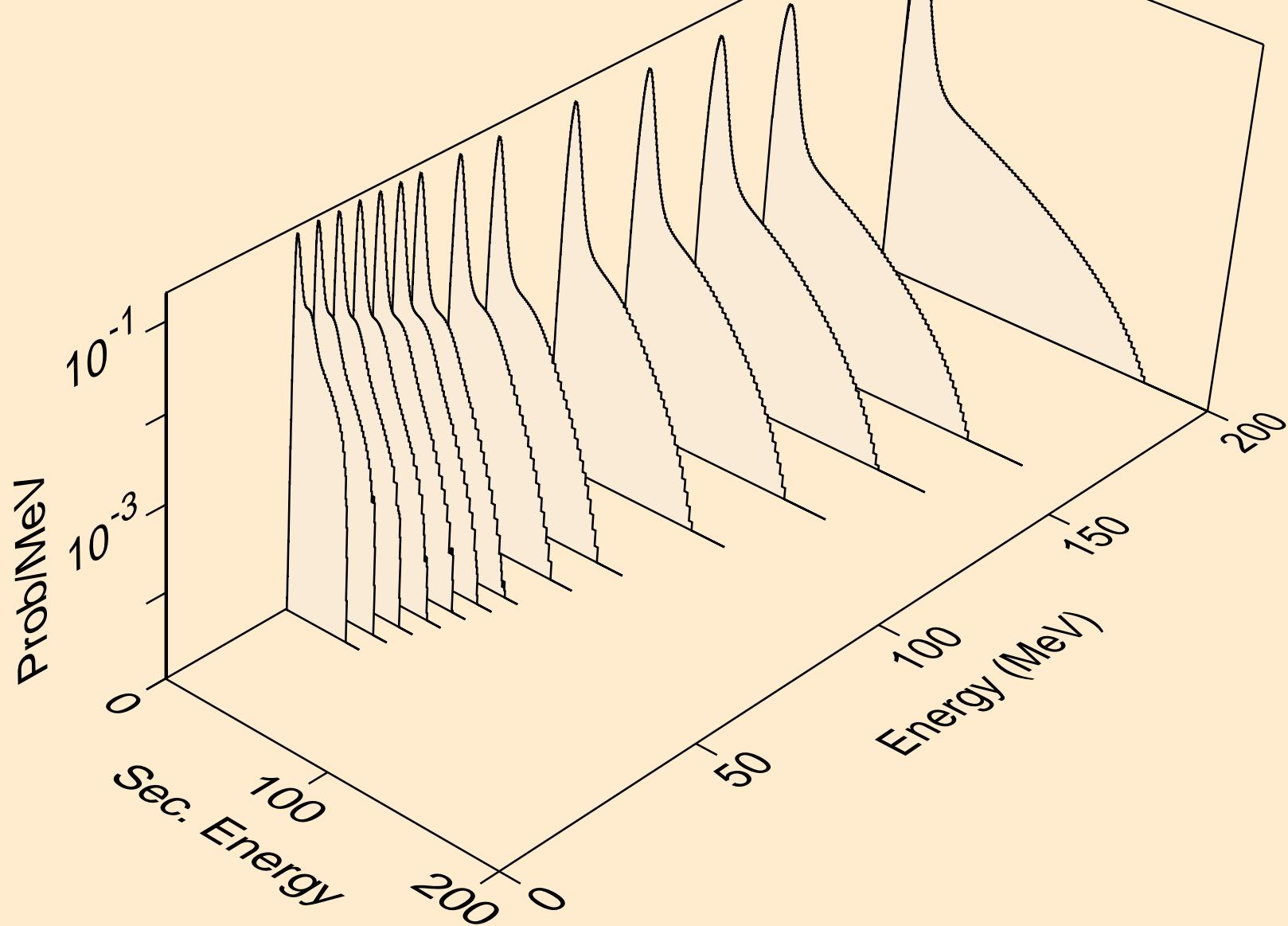


NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,npa)

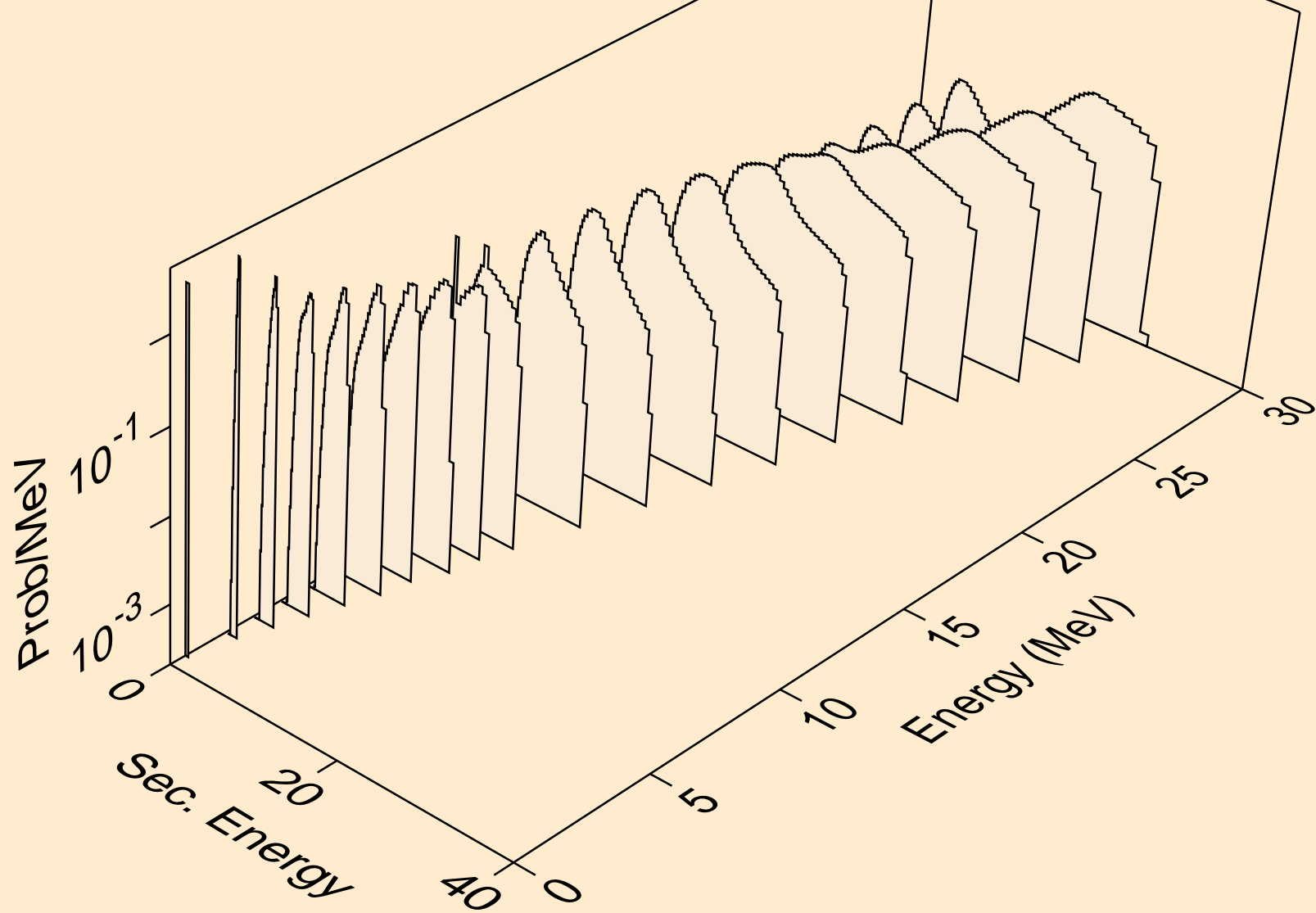




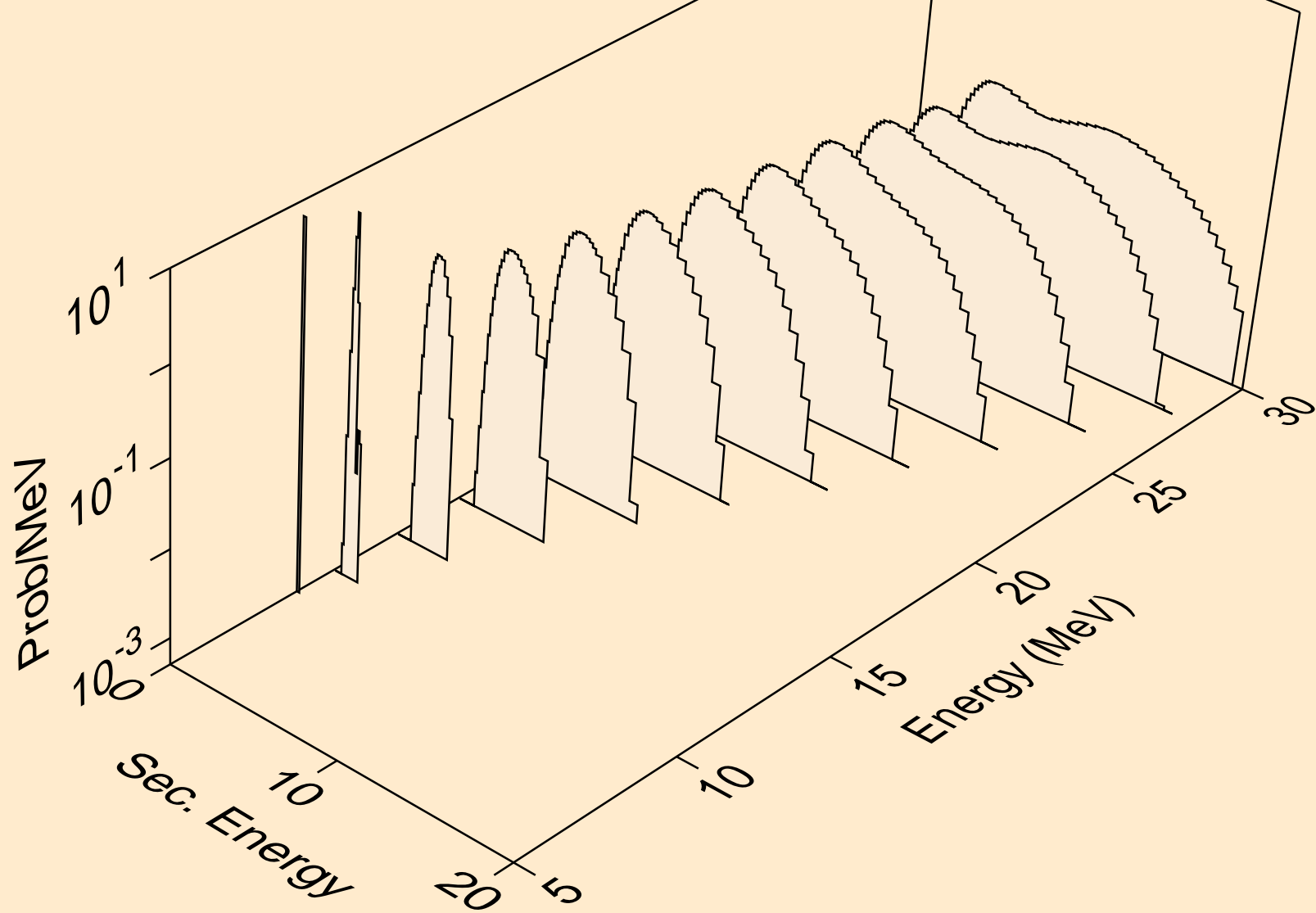
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protons from (s,x)



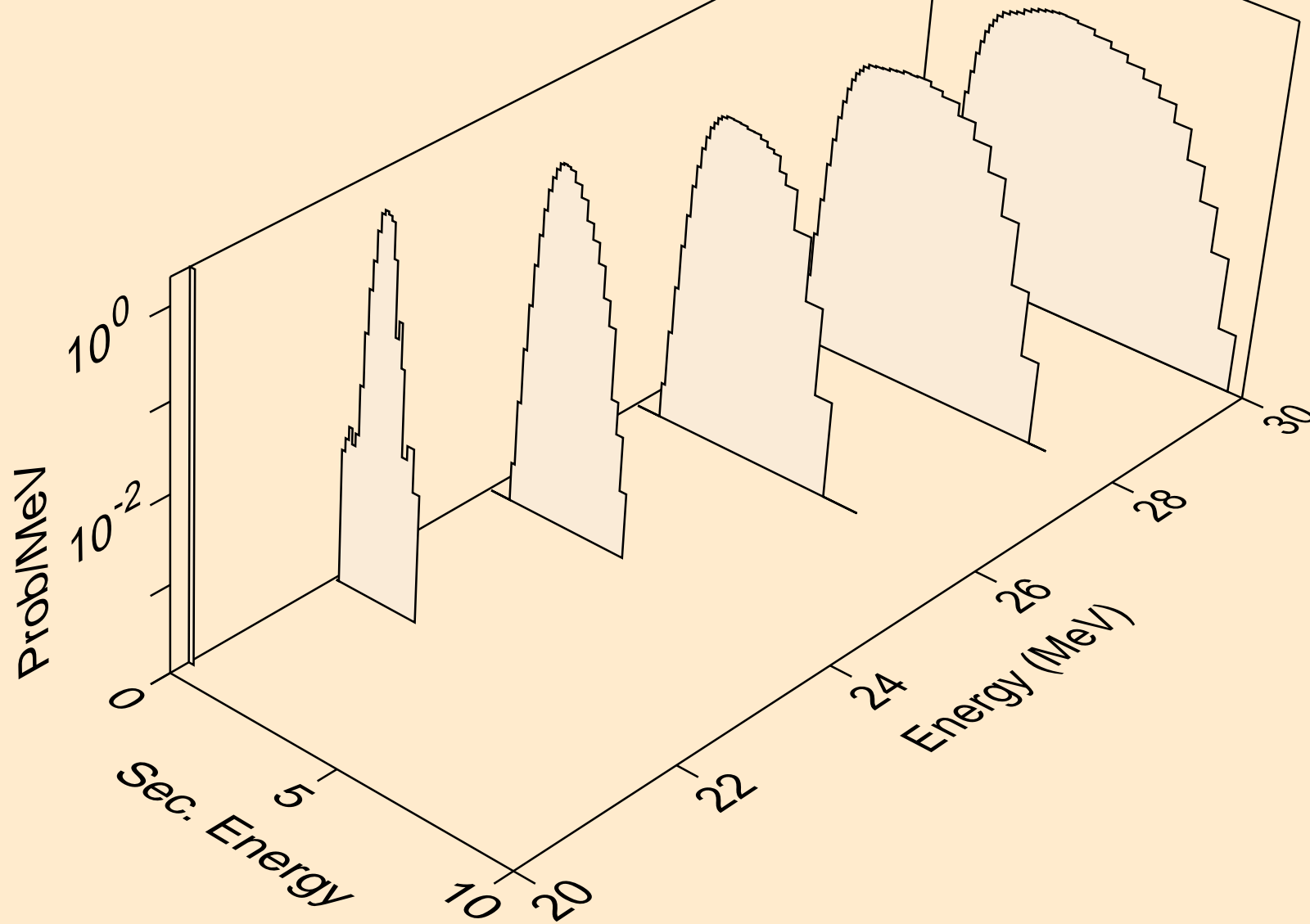
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protons from (s,n\*)p



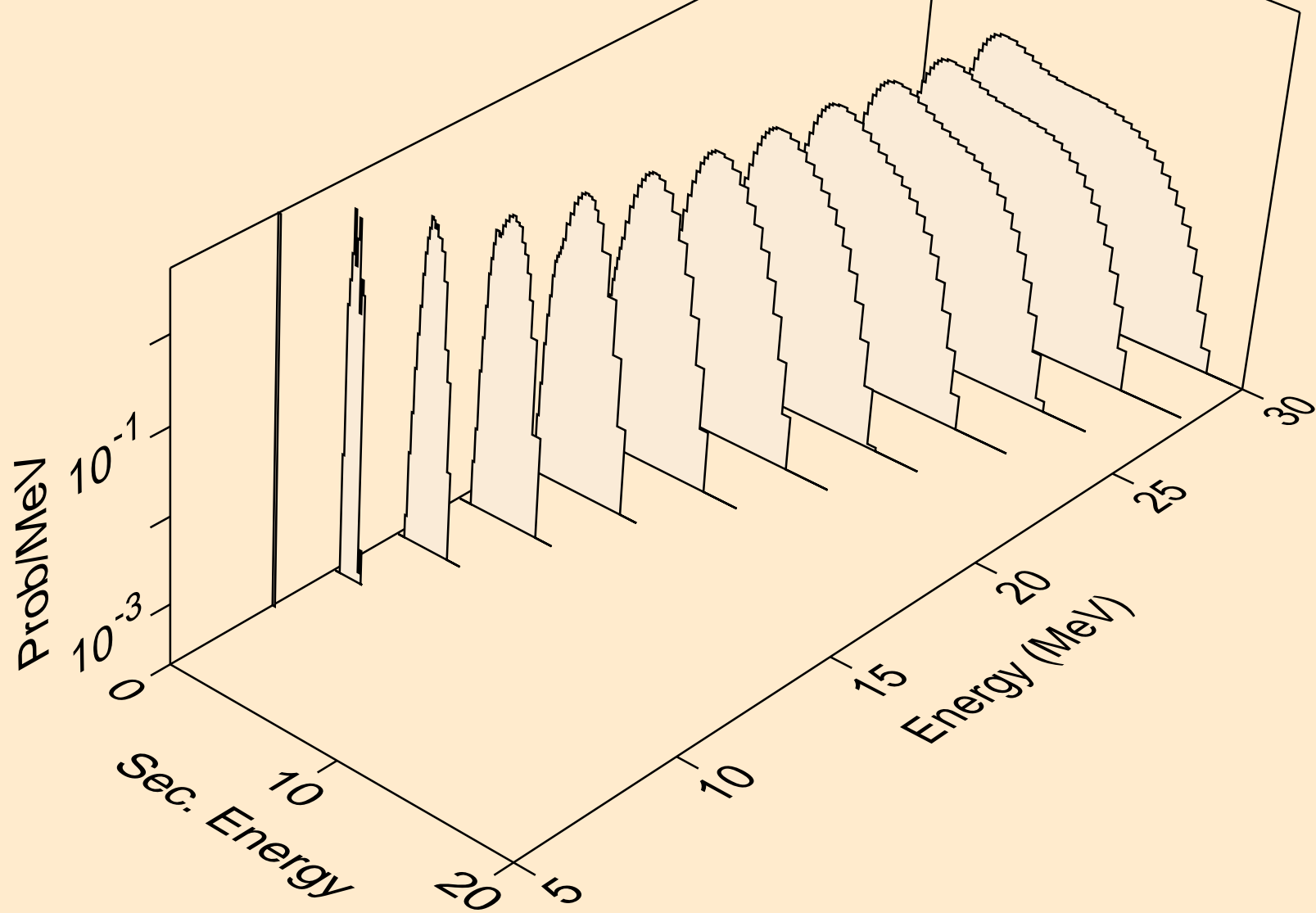
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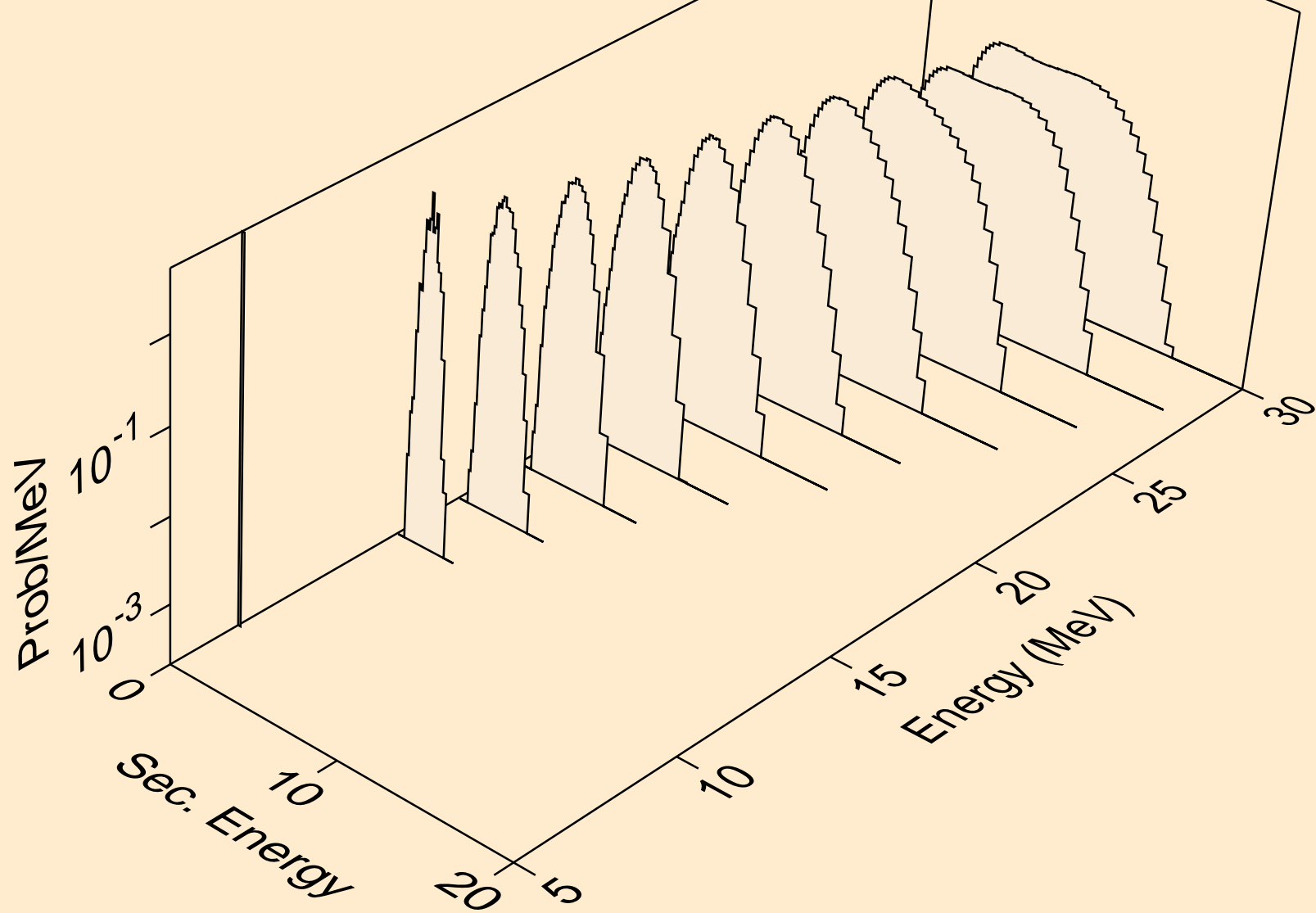
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protons from (s,3np)



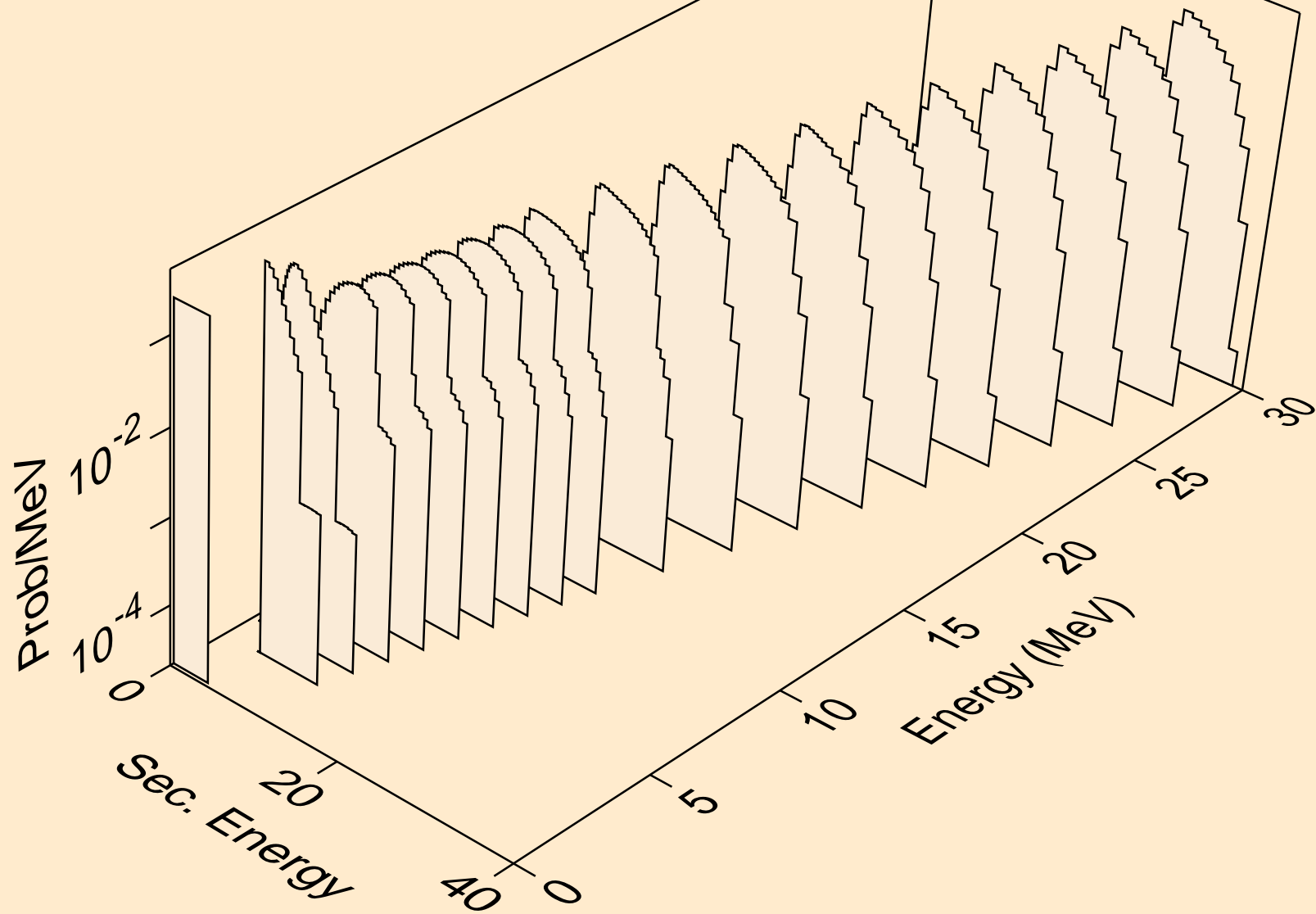
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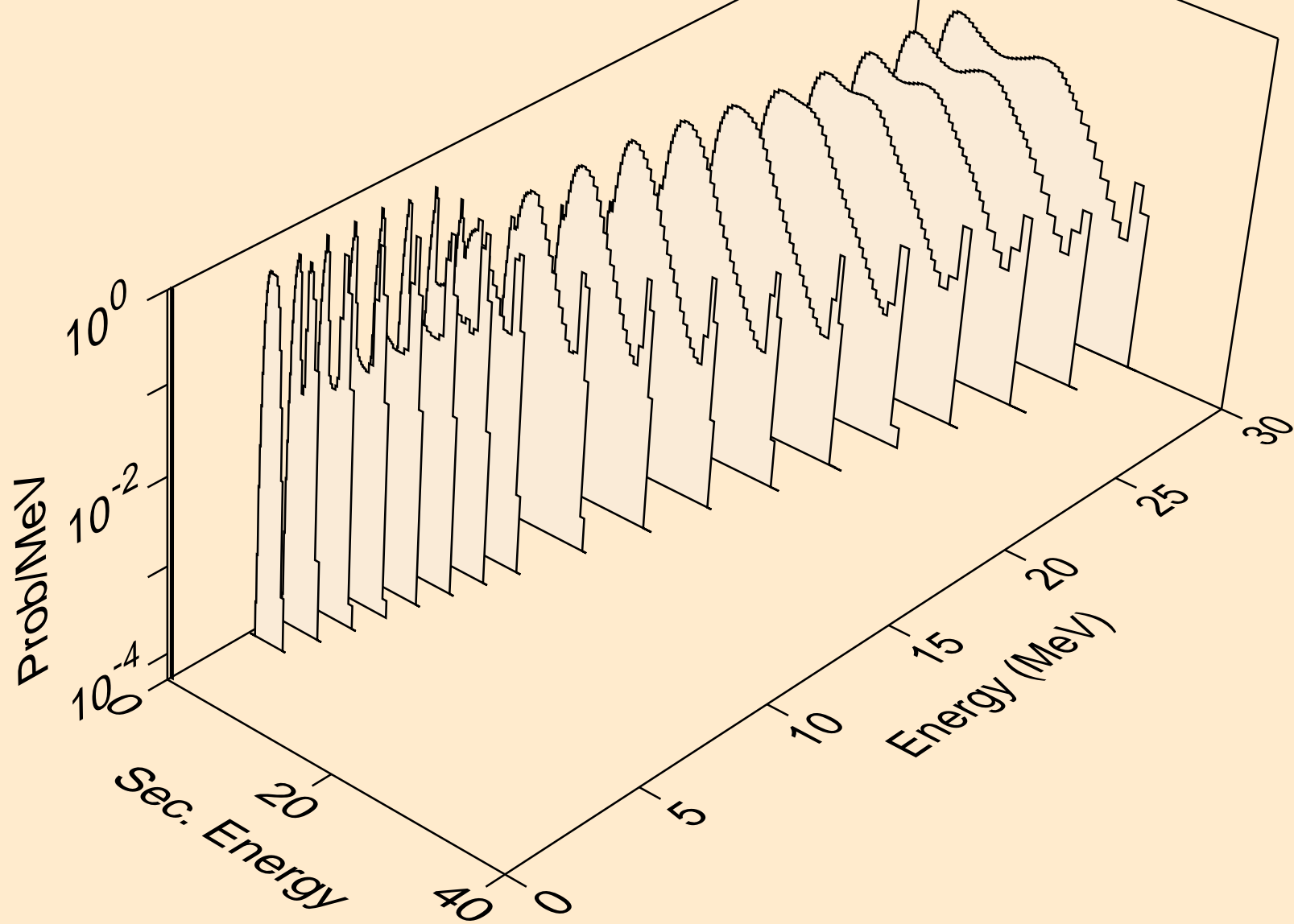
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protons from (s,npa)



NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,p)

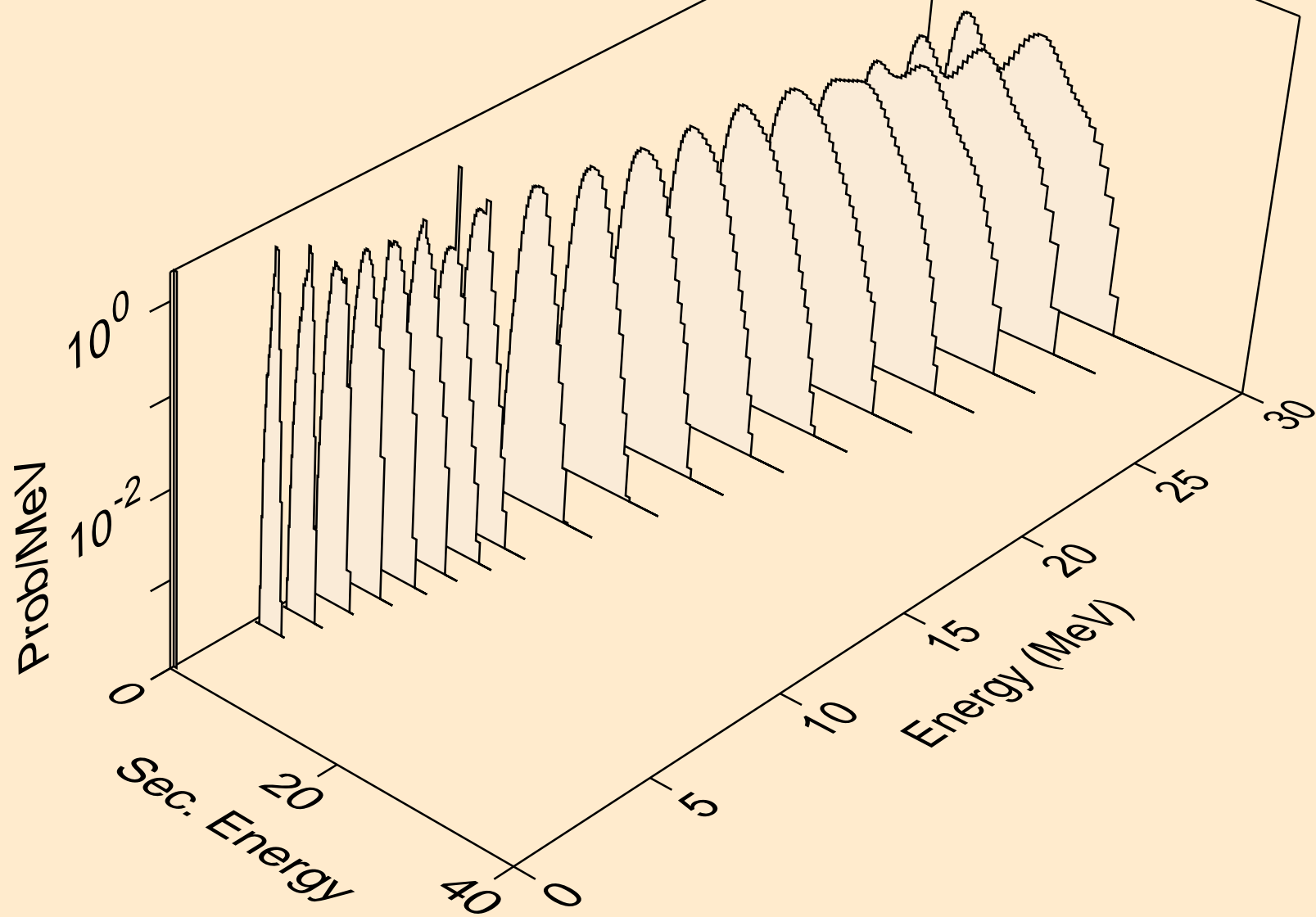


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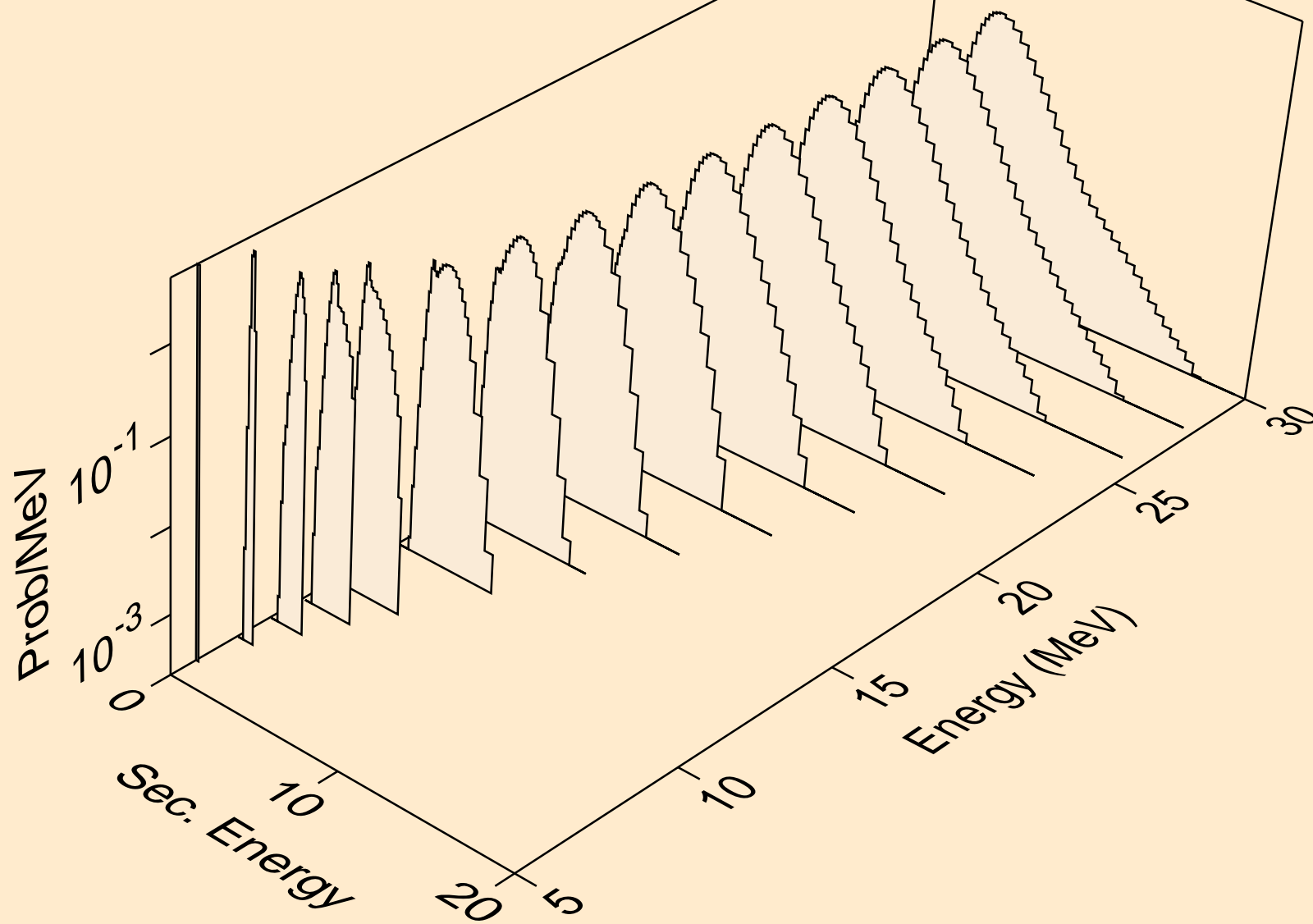




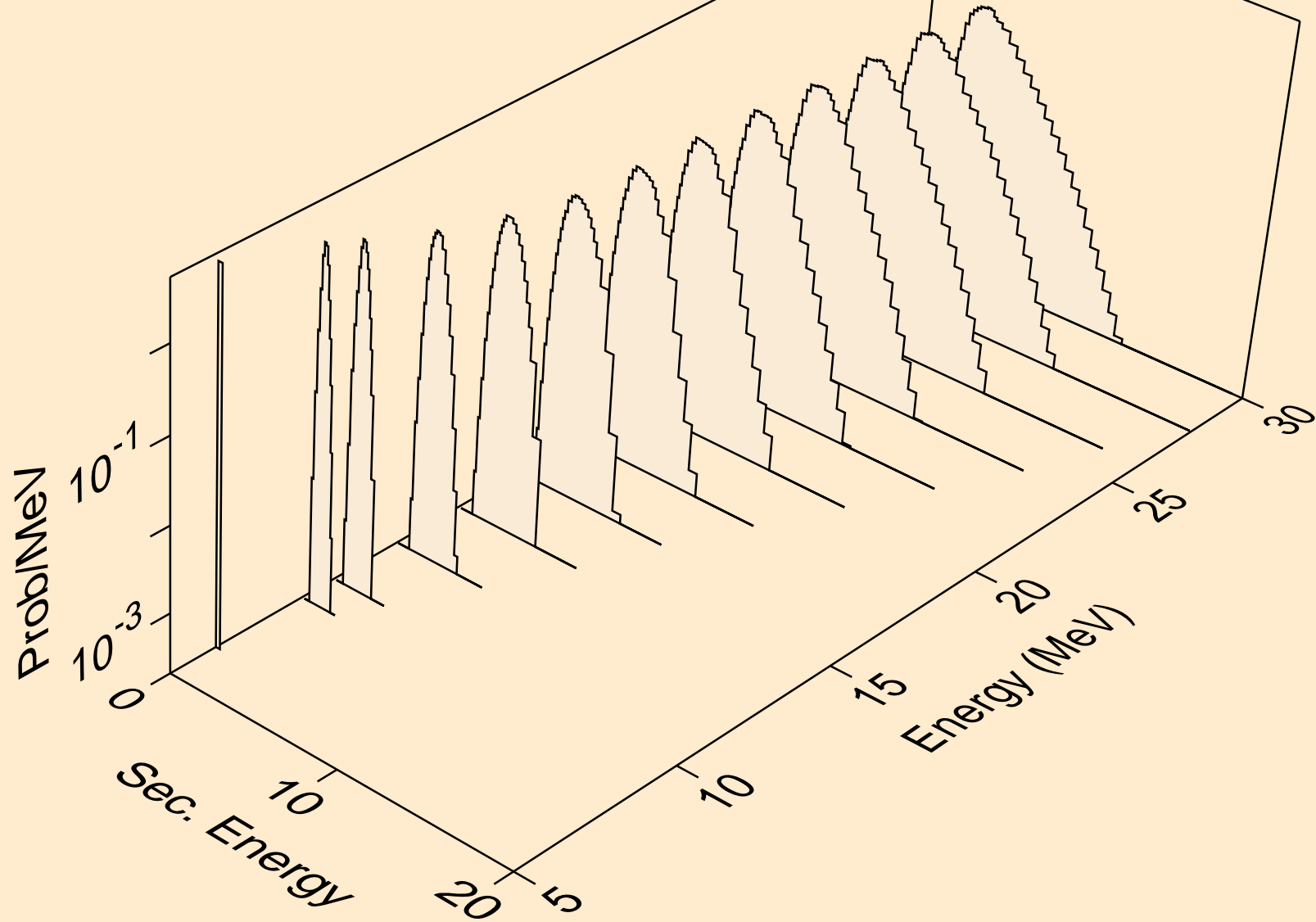
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protons from (s,pa)



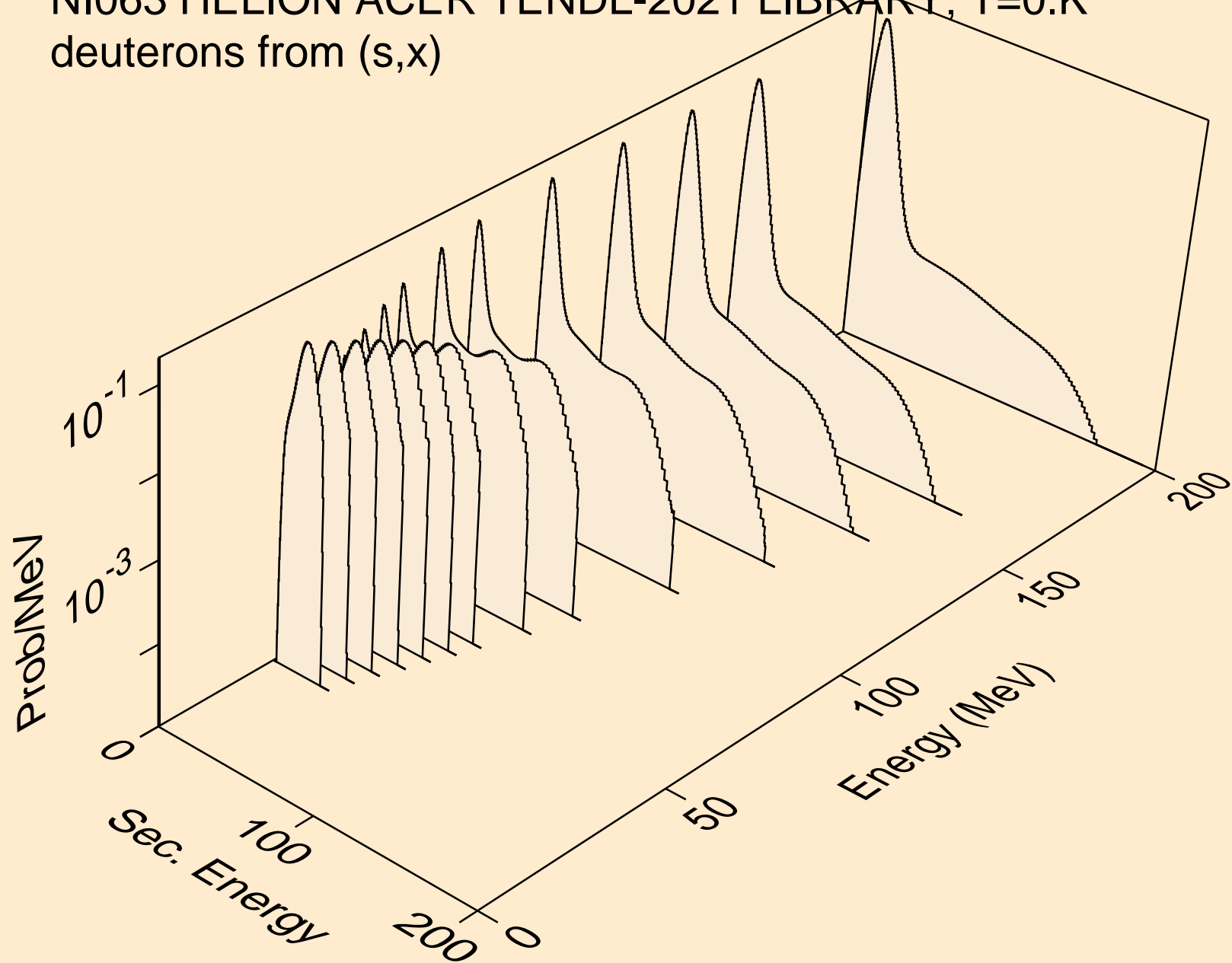
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protons from (s,pd)



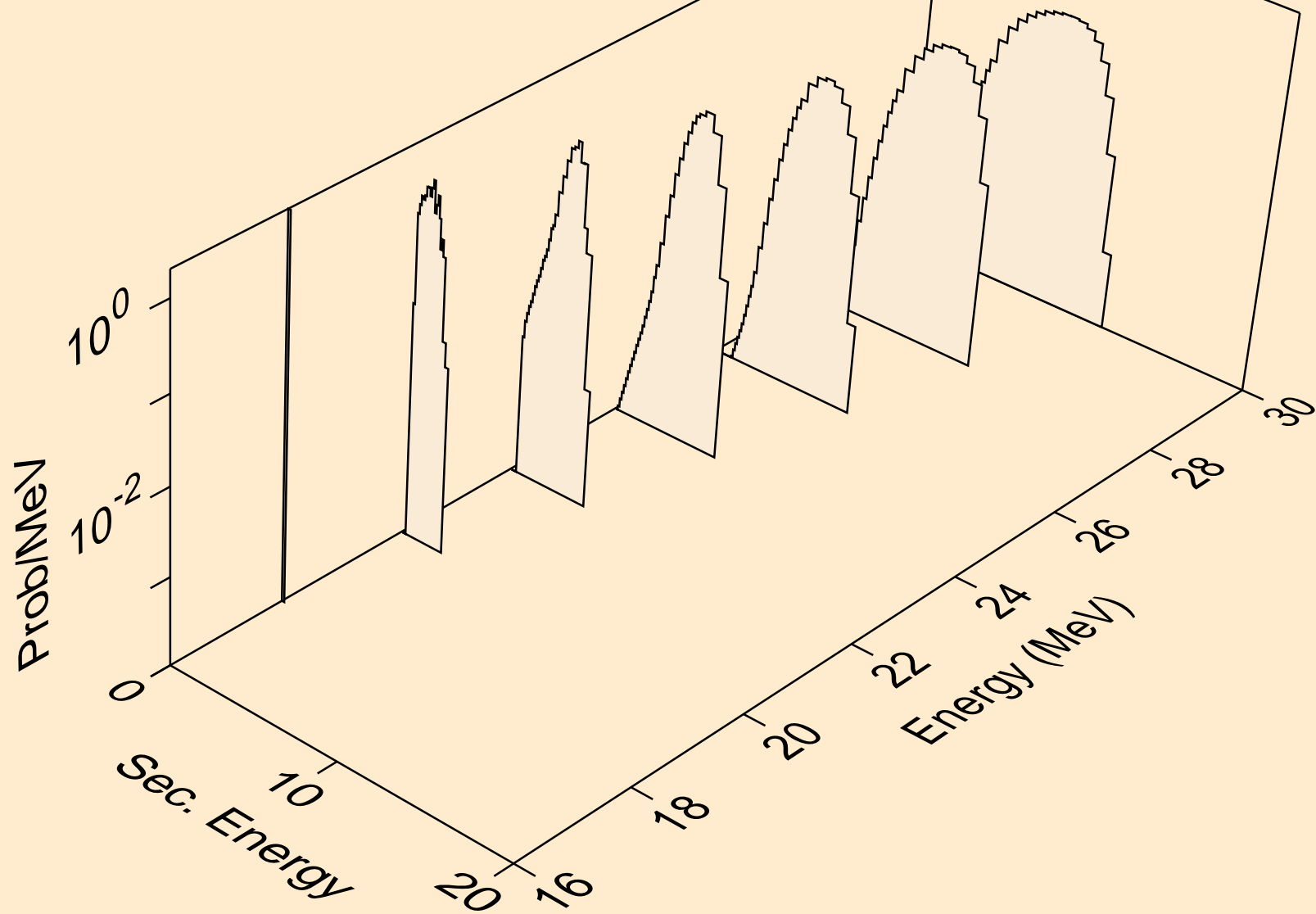
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protons from (s,pt)



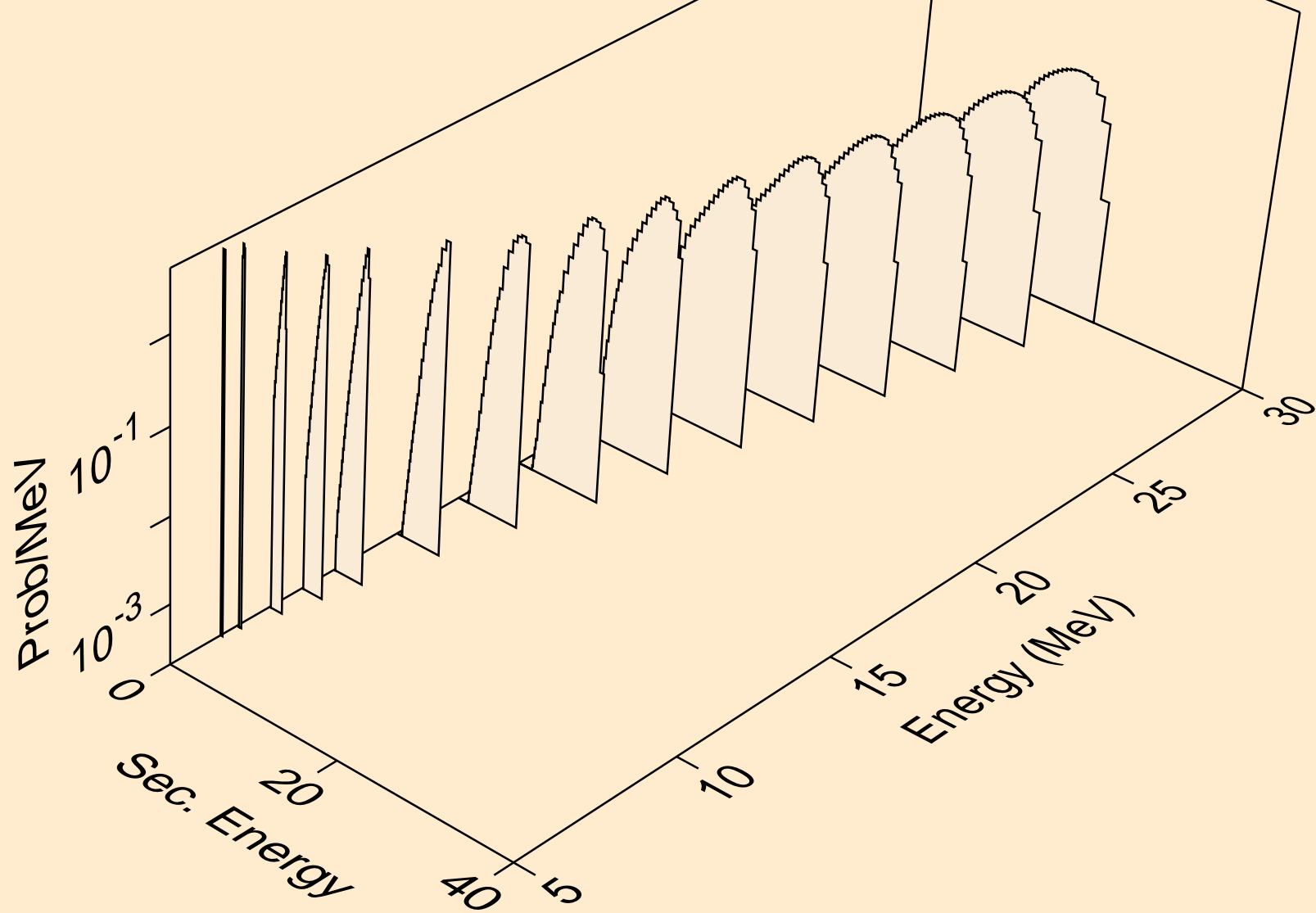
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deuterons from (s,x)



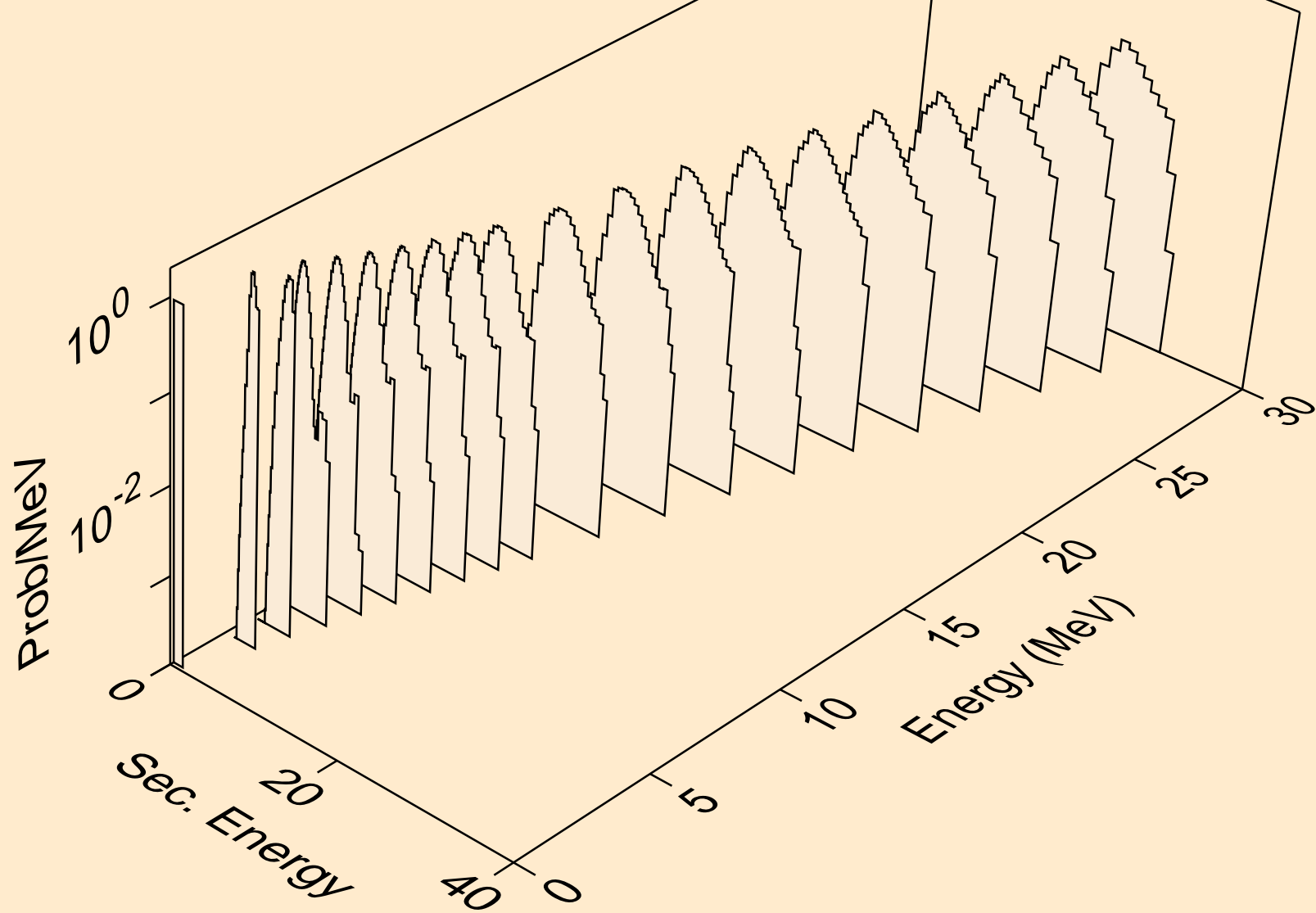
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deuterons from (s,2nd)



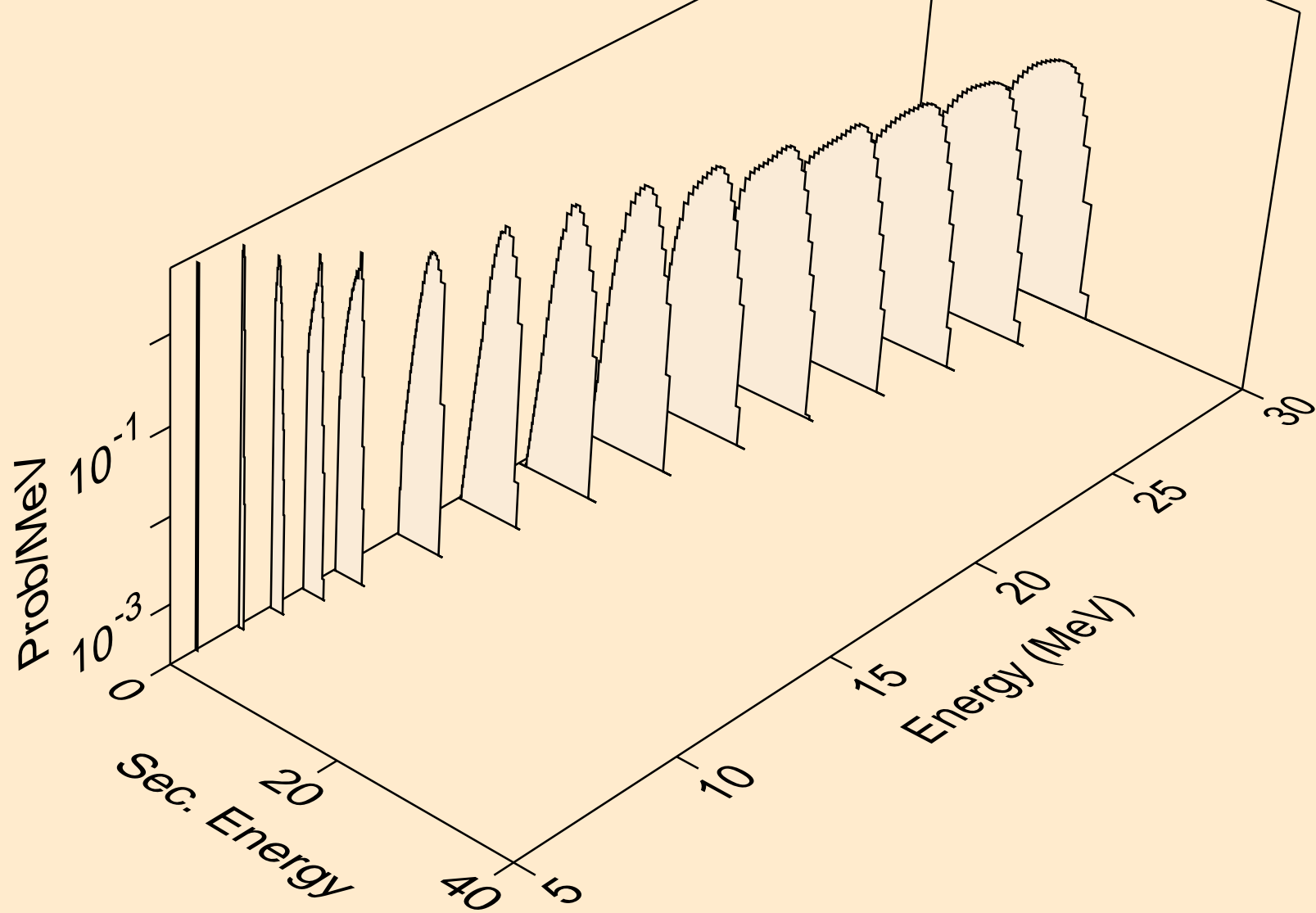
NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,n\*)d



NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,d)

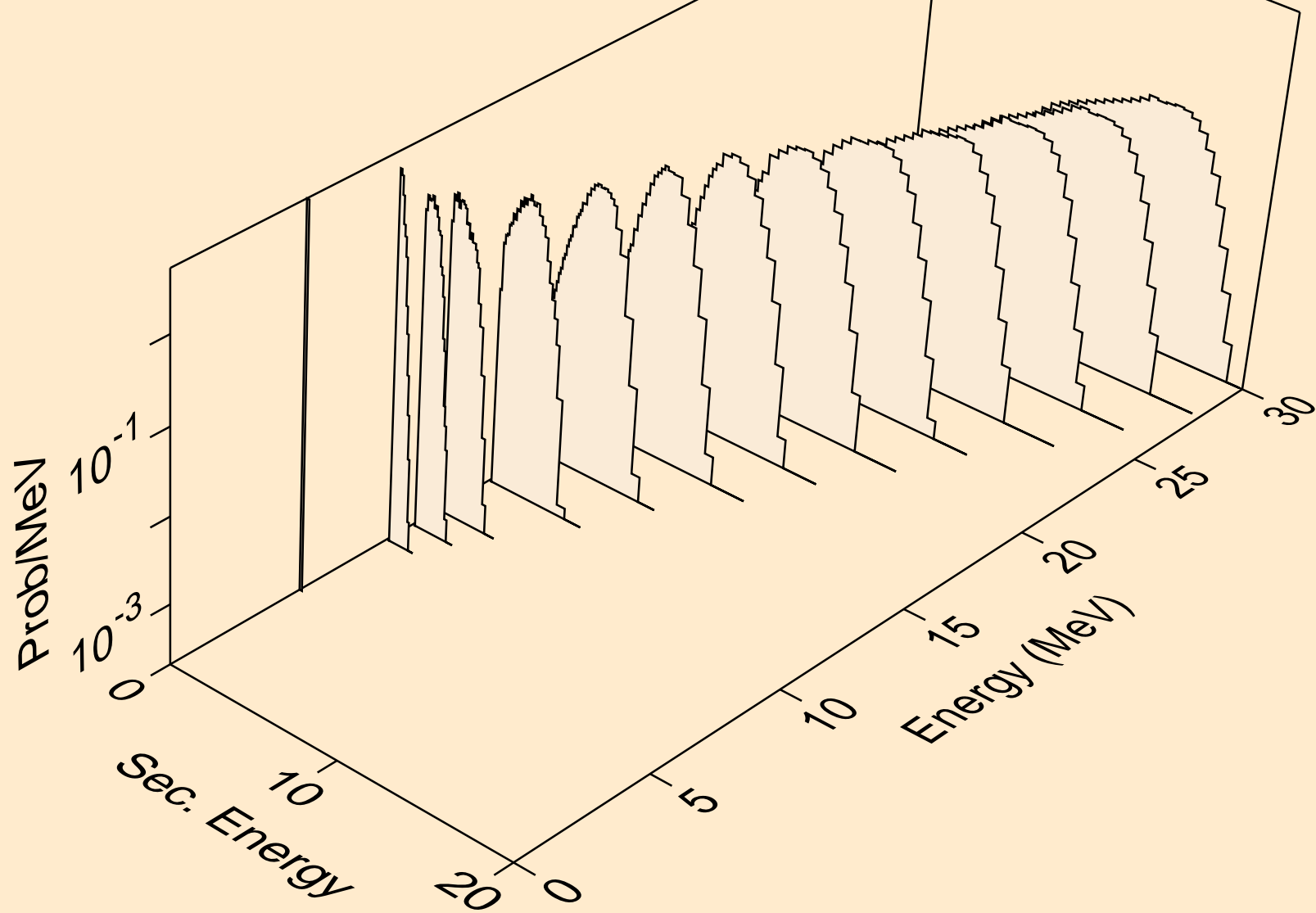


NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,pd)

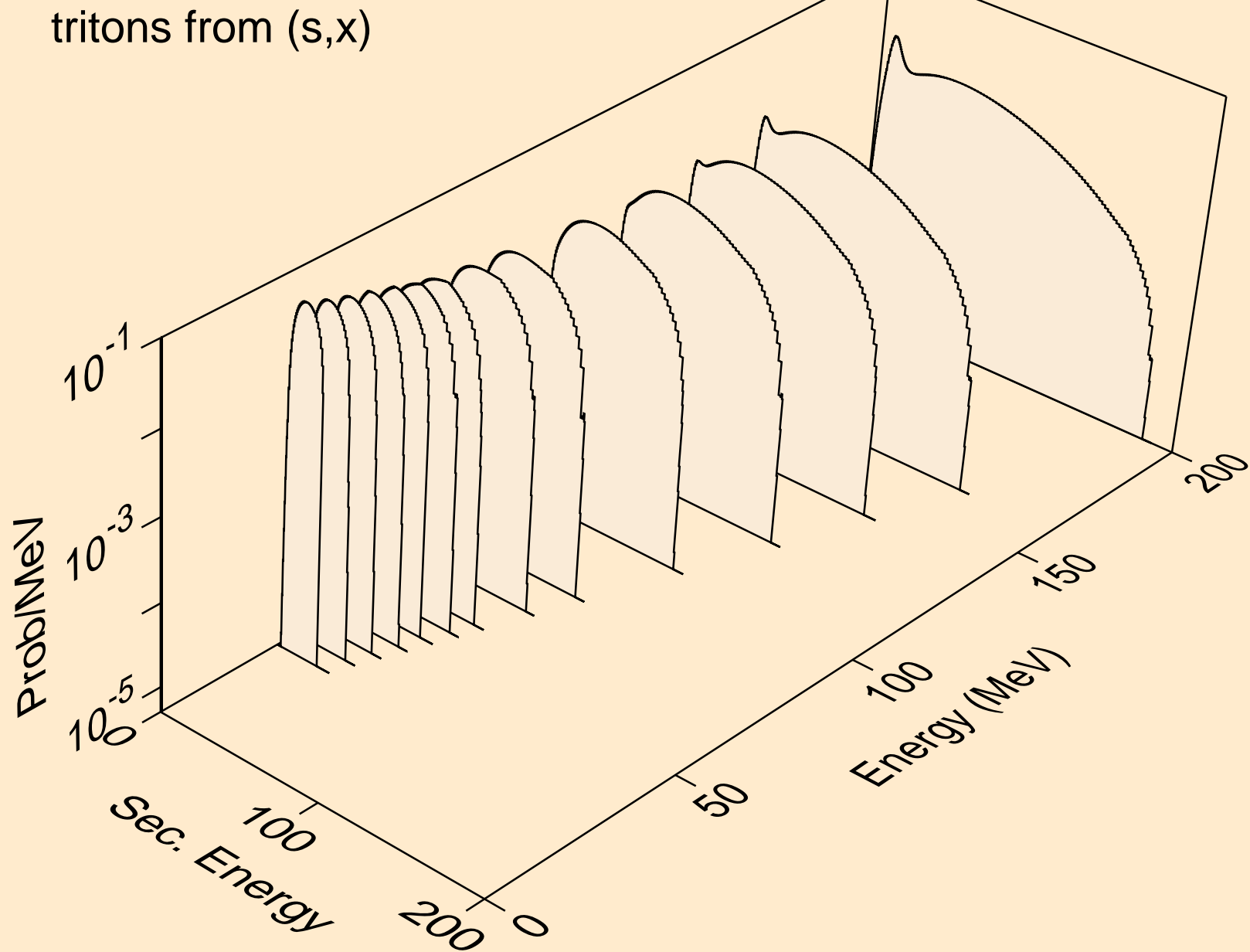




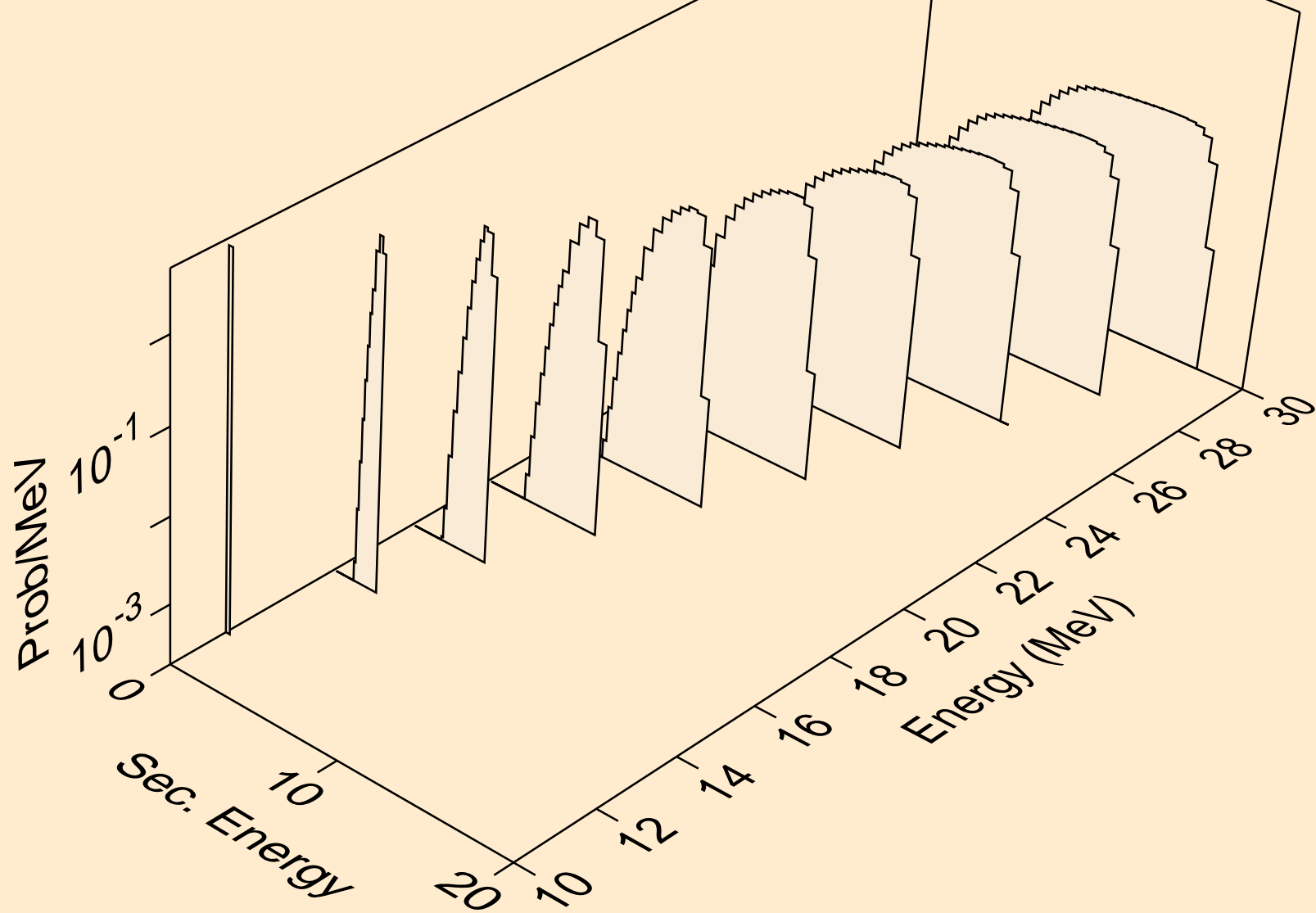
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deuterons from (s,da)



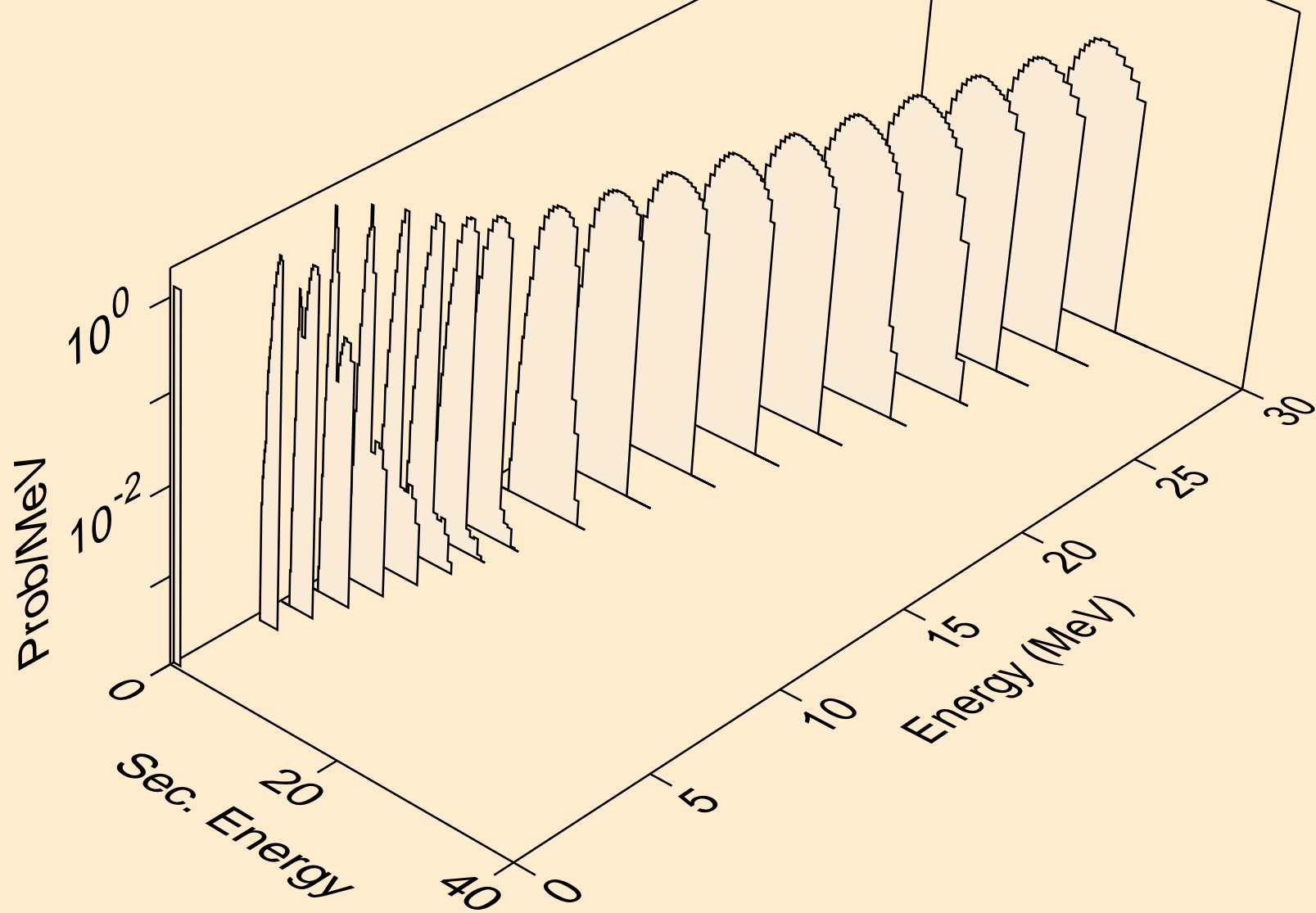
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tritons from (s,x)



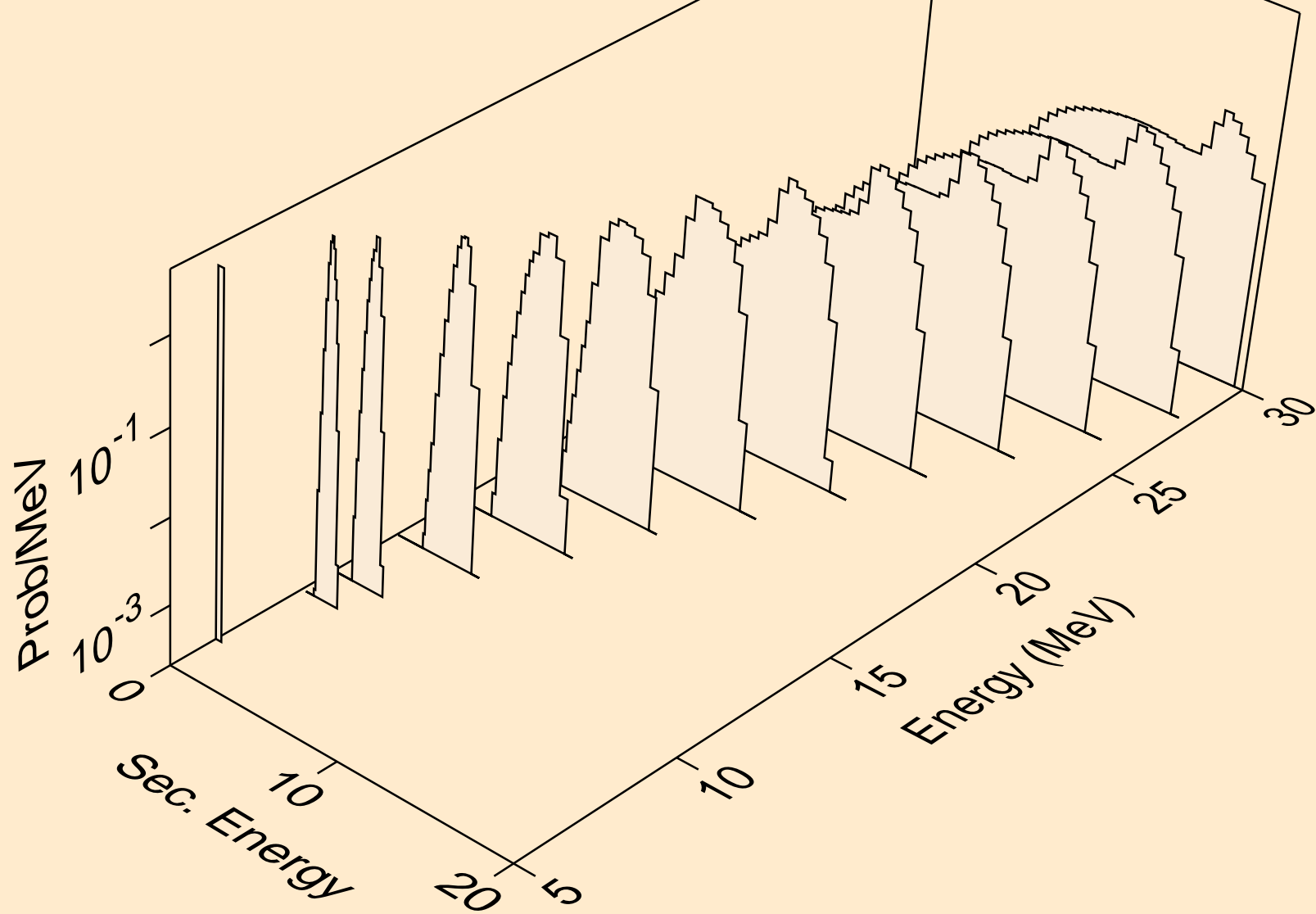
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tritons from (s,n\*)t



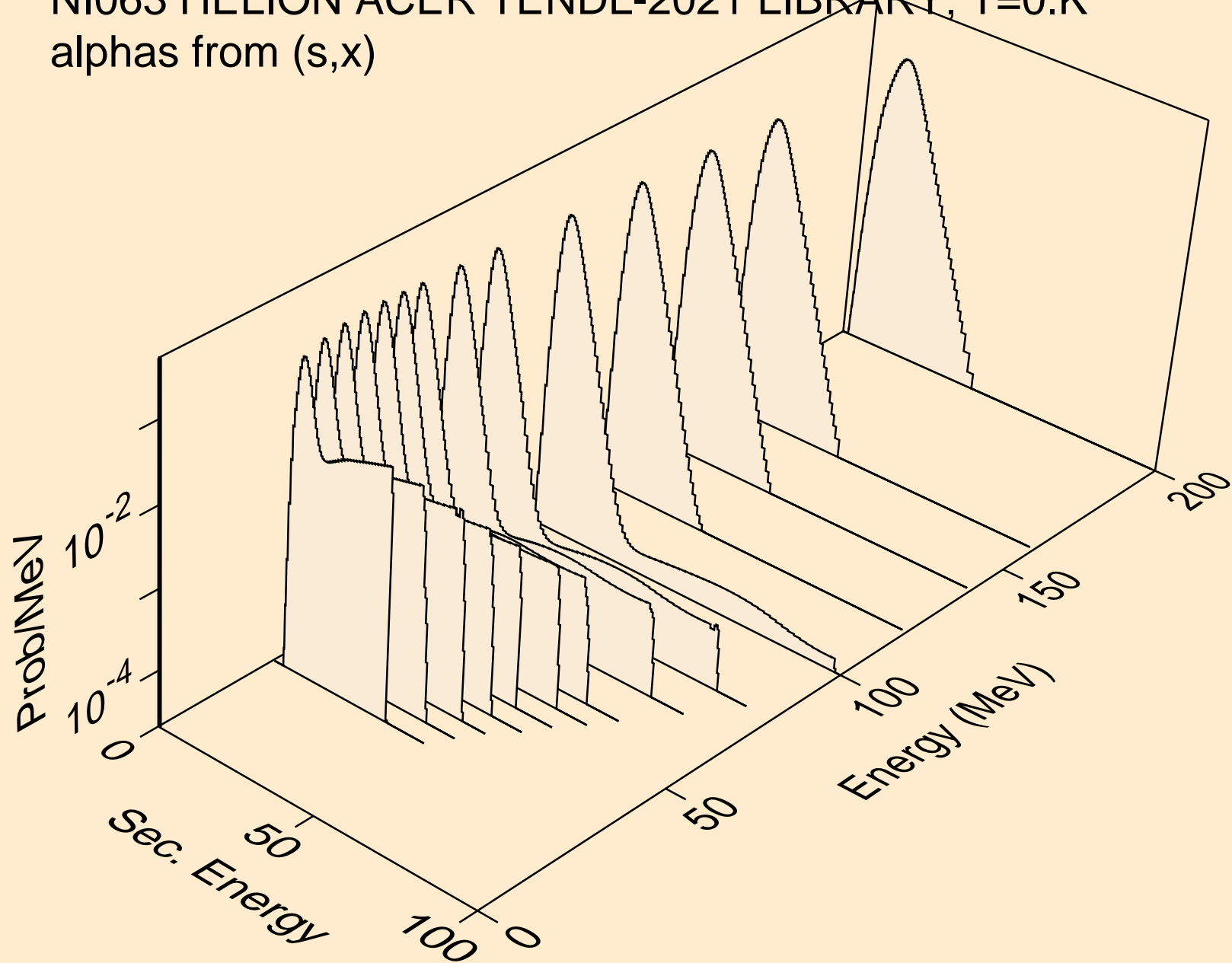
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tritons from (s,t)



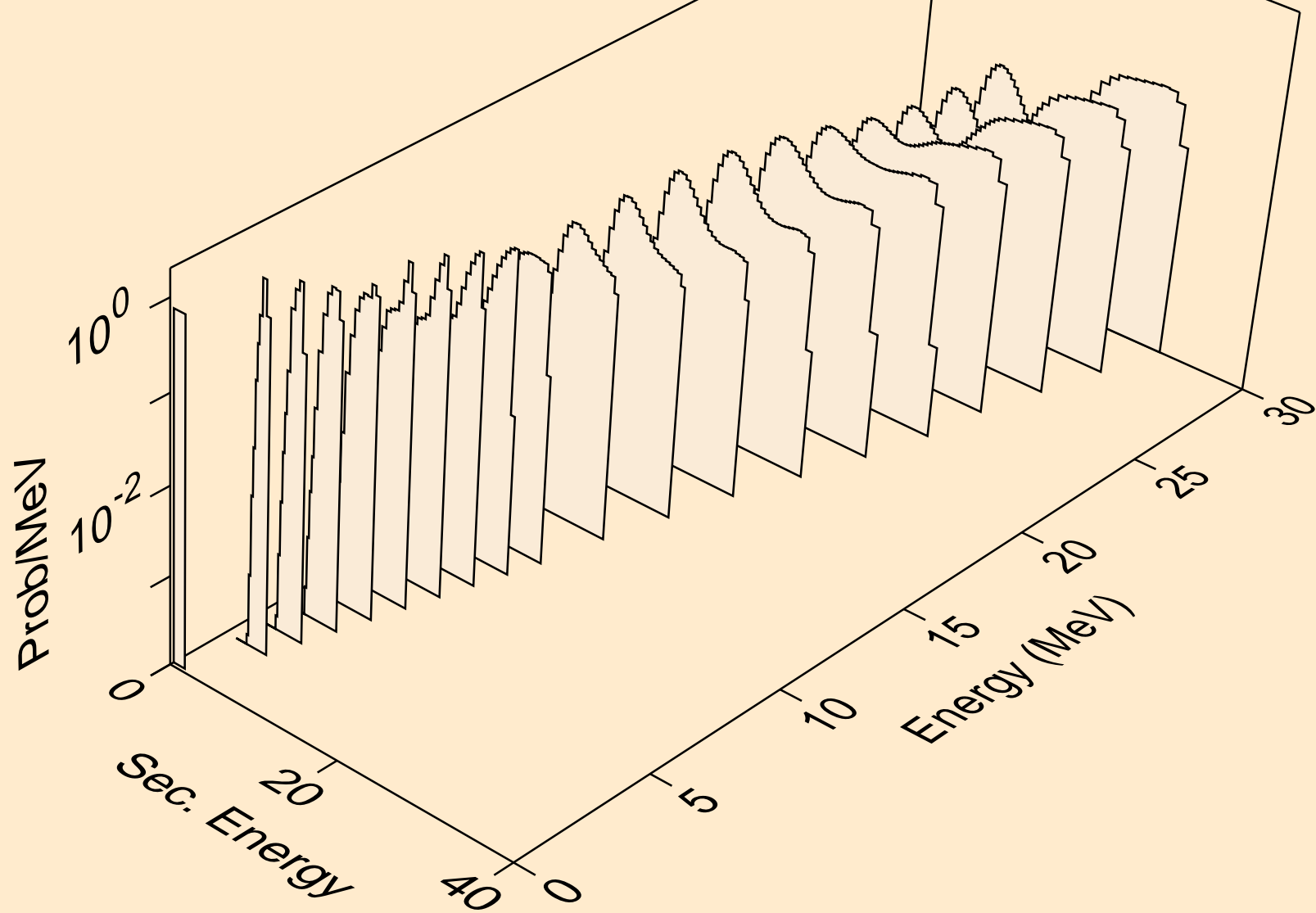
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tritons from (s,pt)



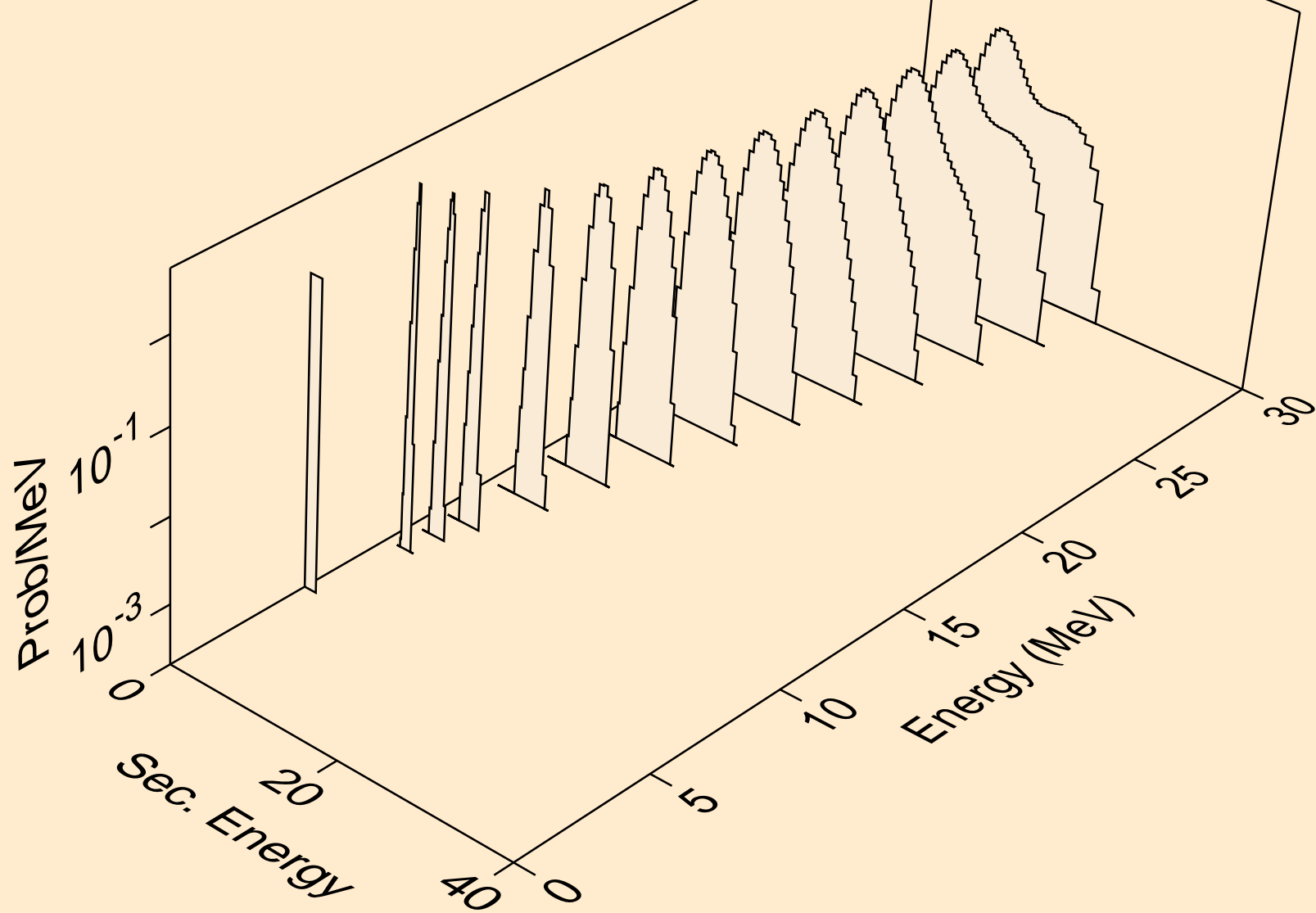
NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,x)



NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,n\*)a

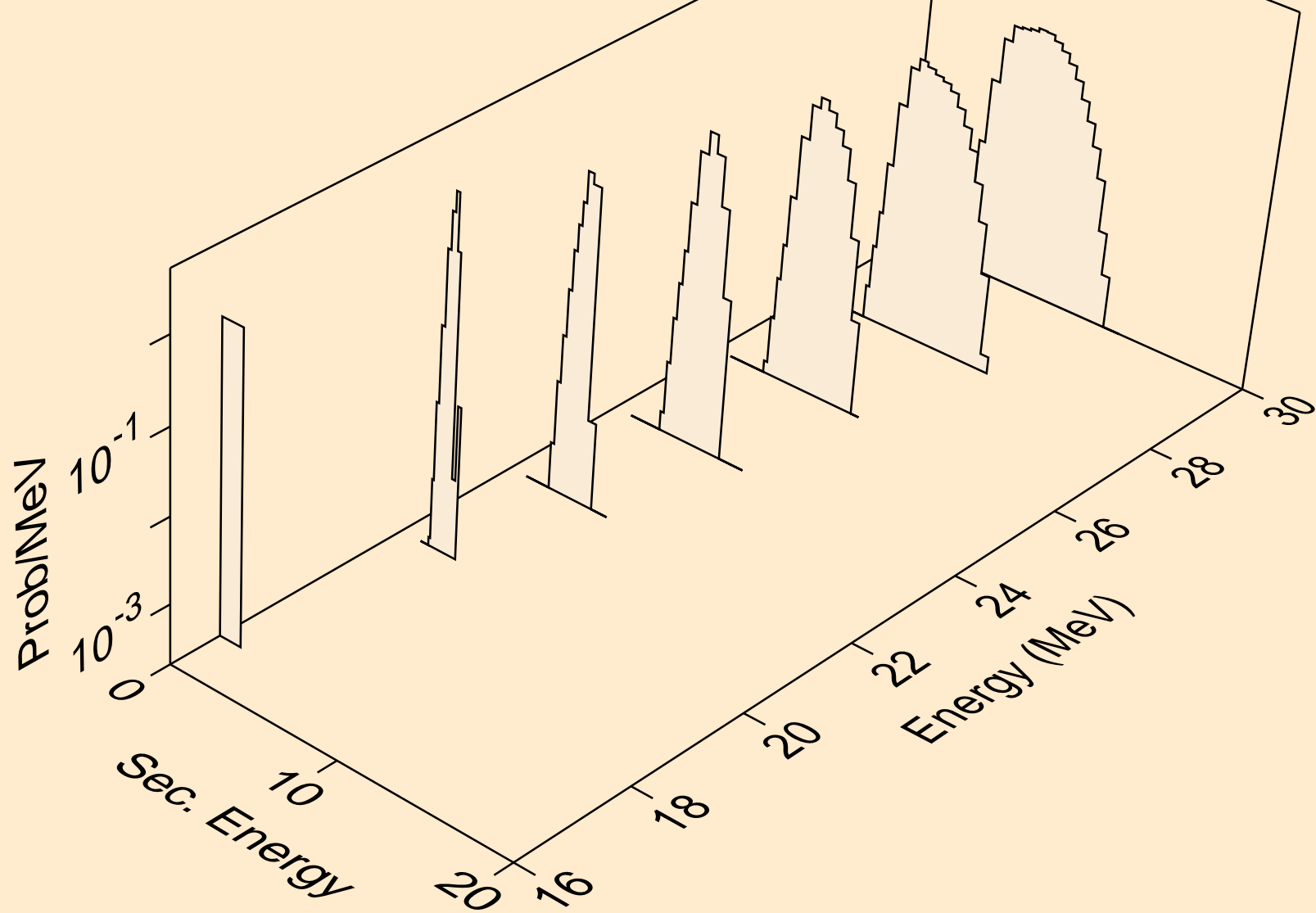


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alphas from (s,2n)a

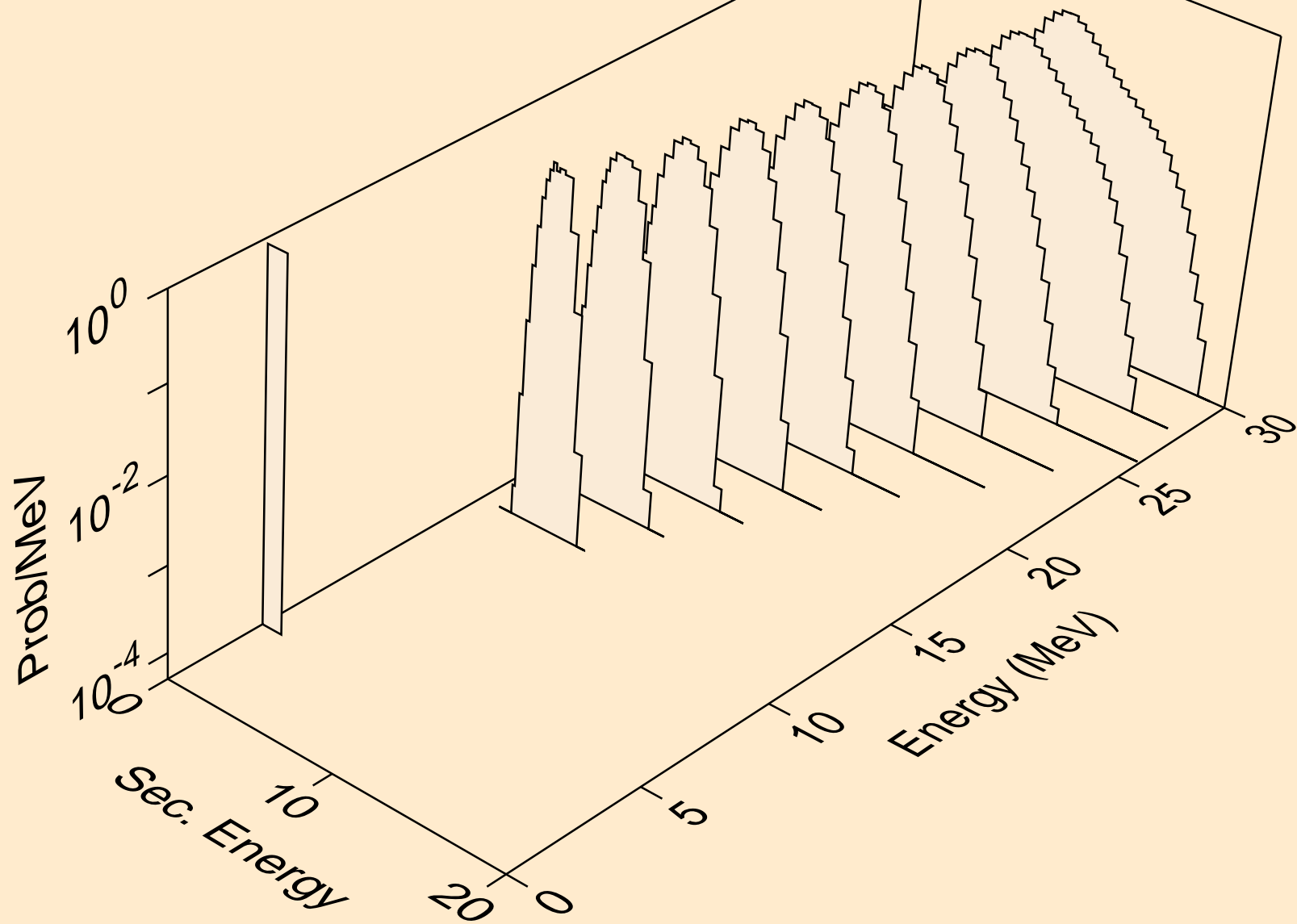




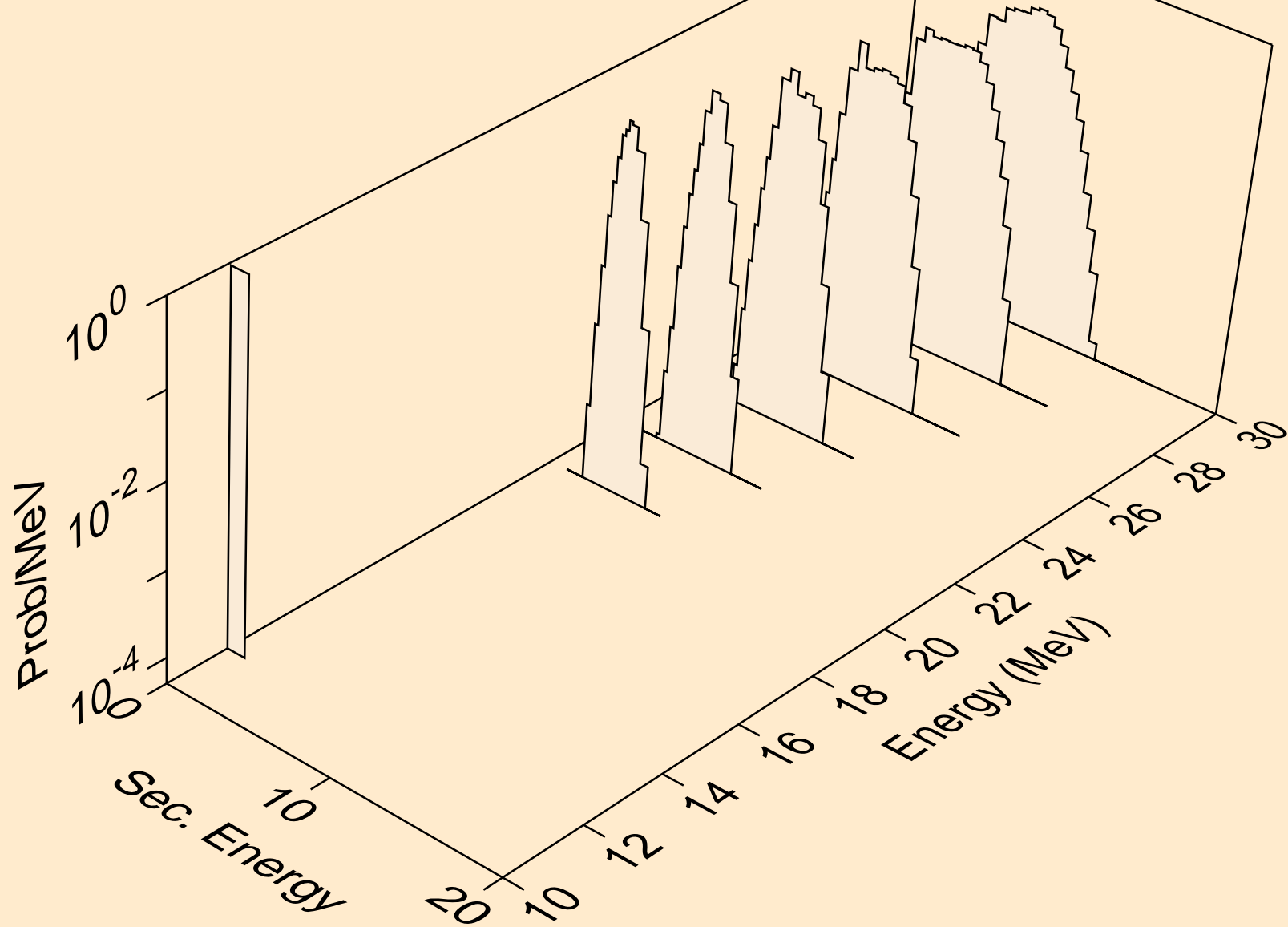
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alphas from (s,3n)a



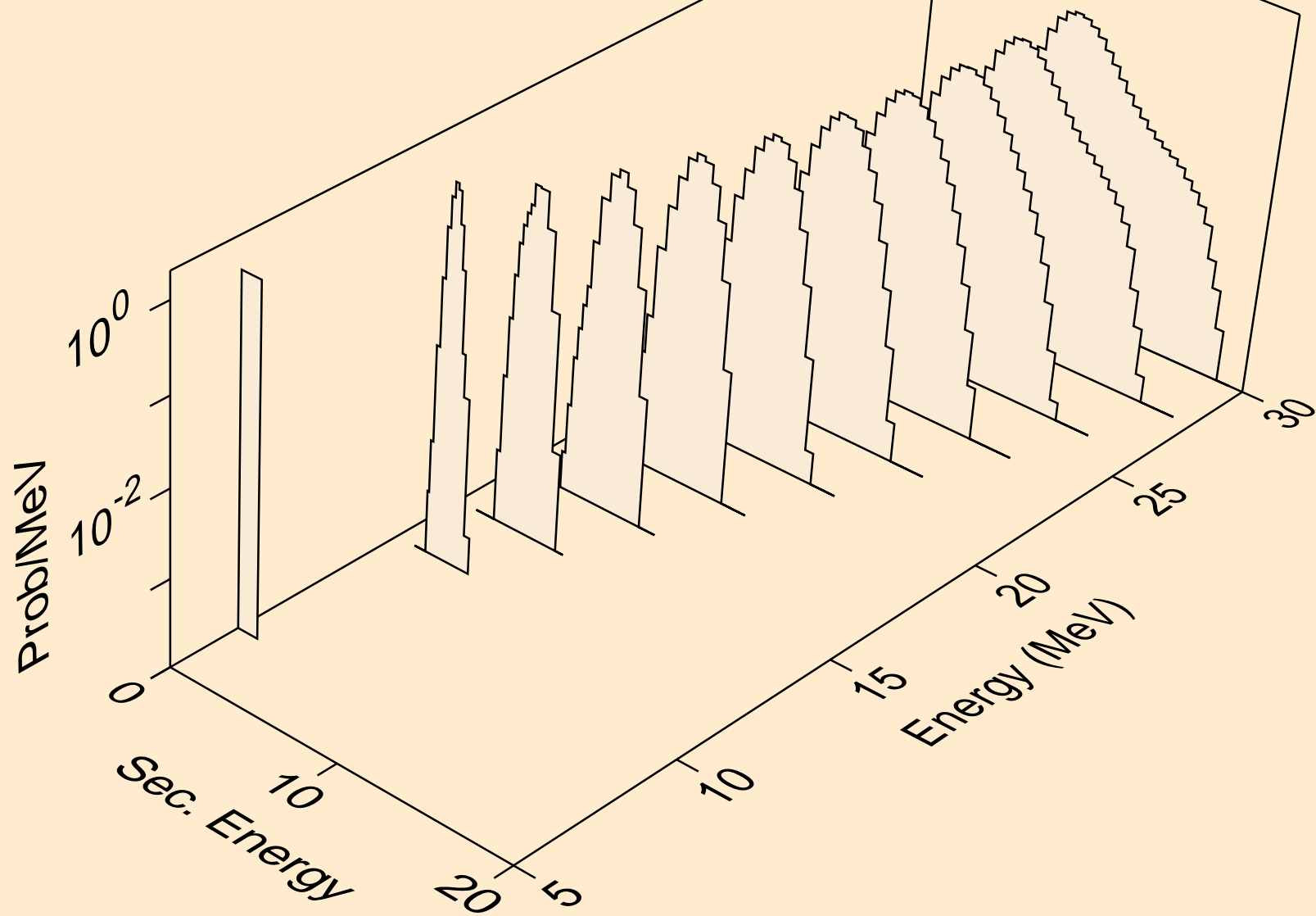
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alphas from (s,n\*)2a



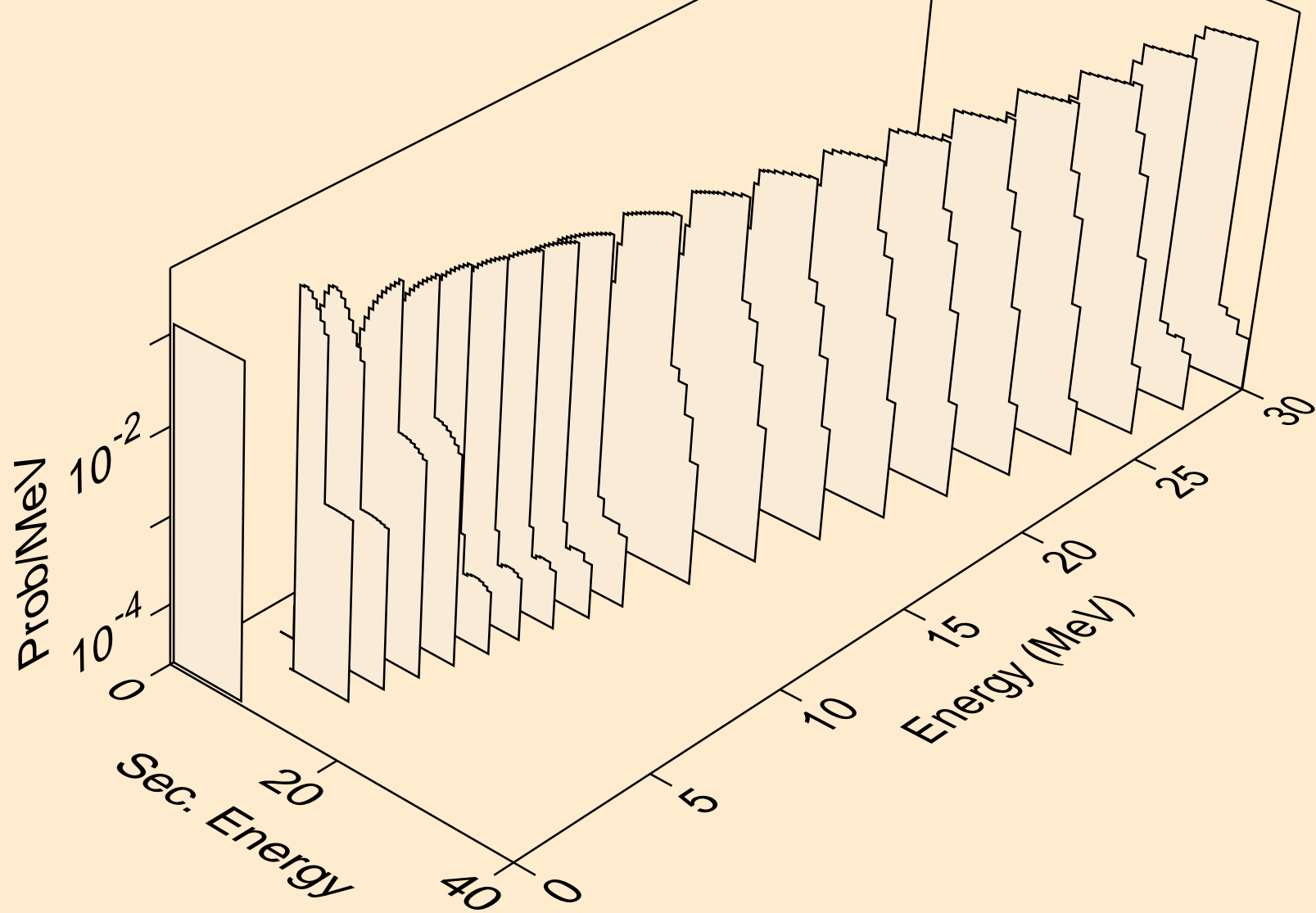
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alphas from (s,2n)2a



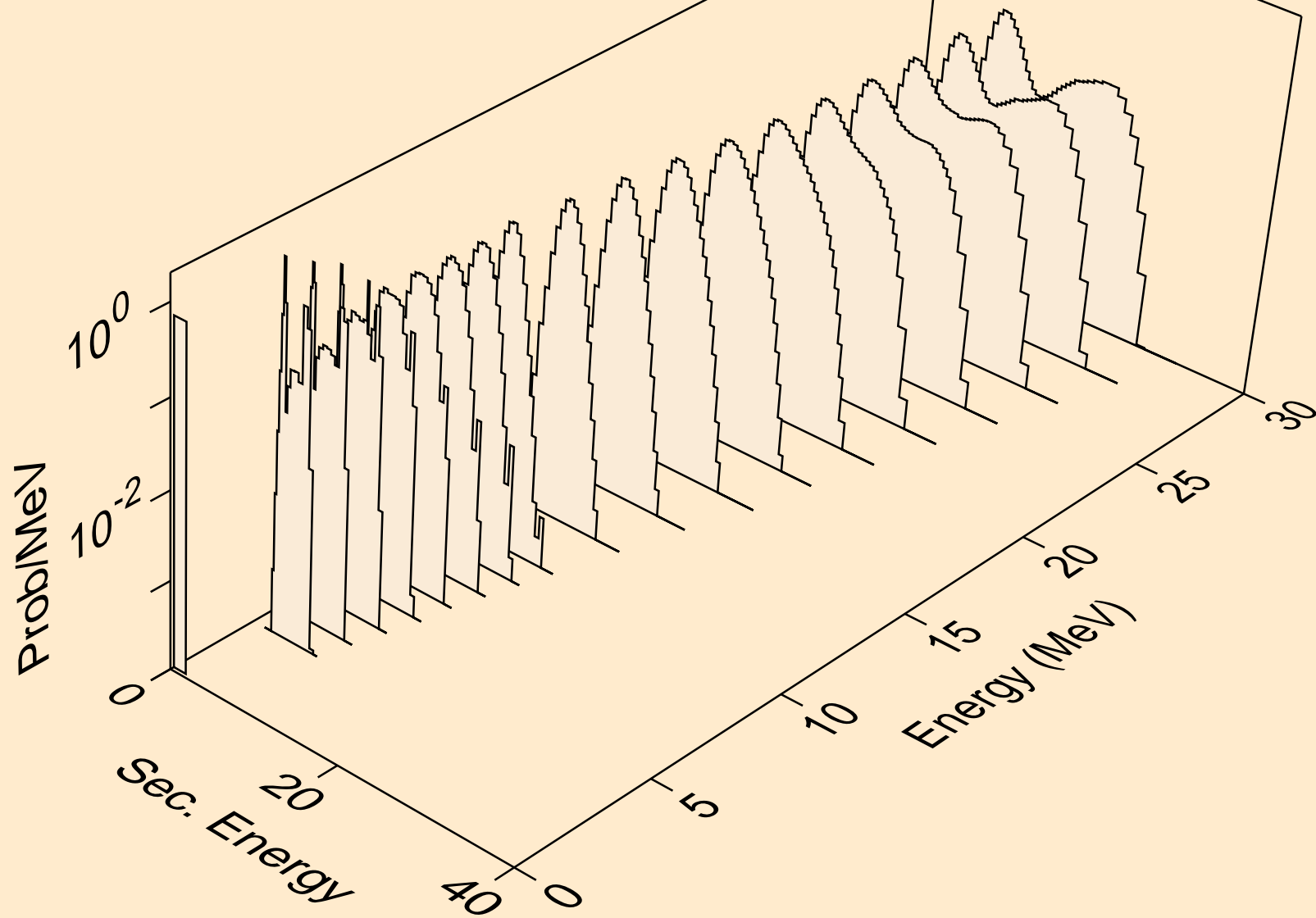
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alphas from (s,npa)



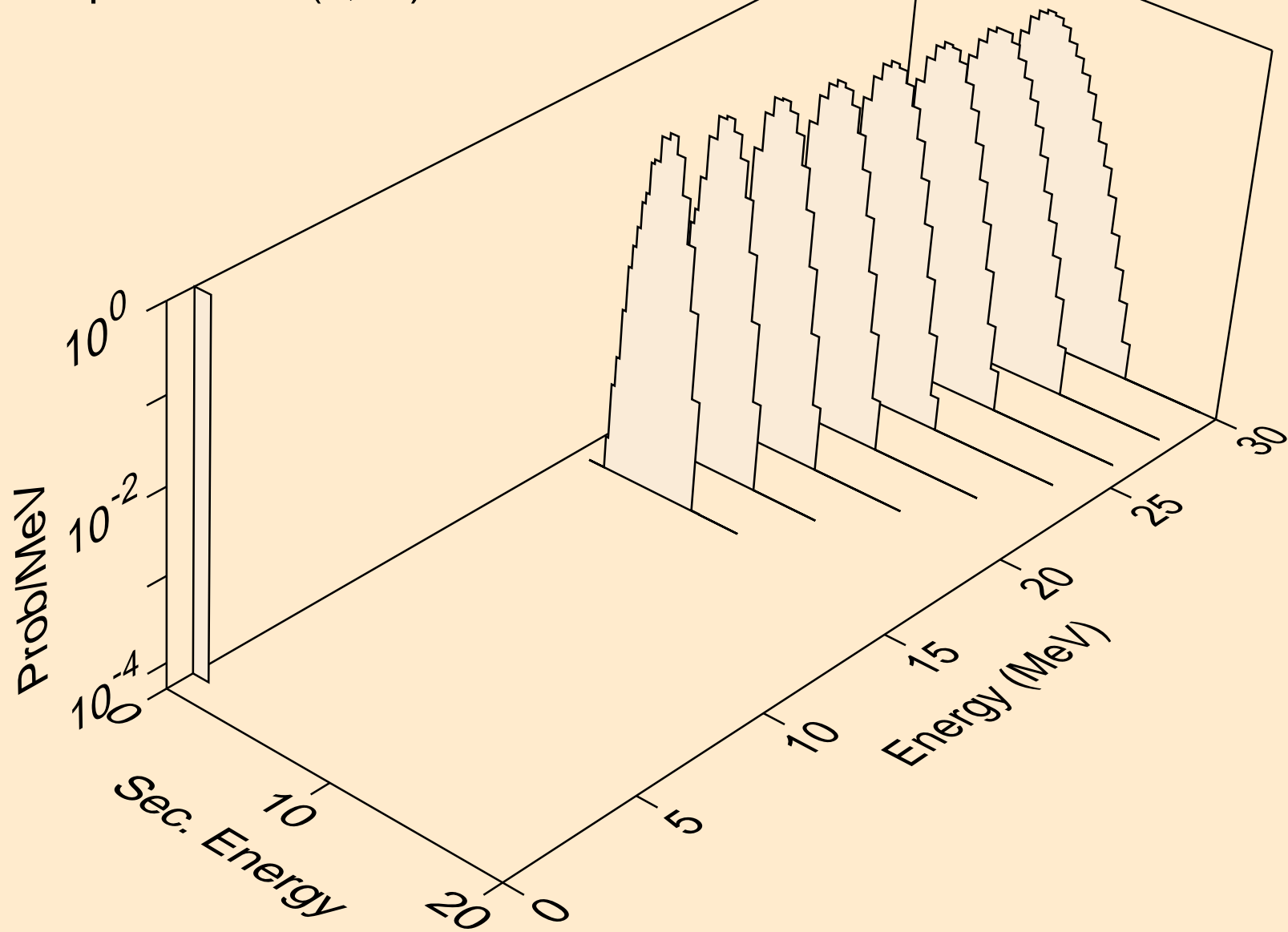
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alphas from (s,a)



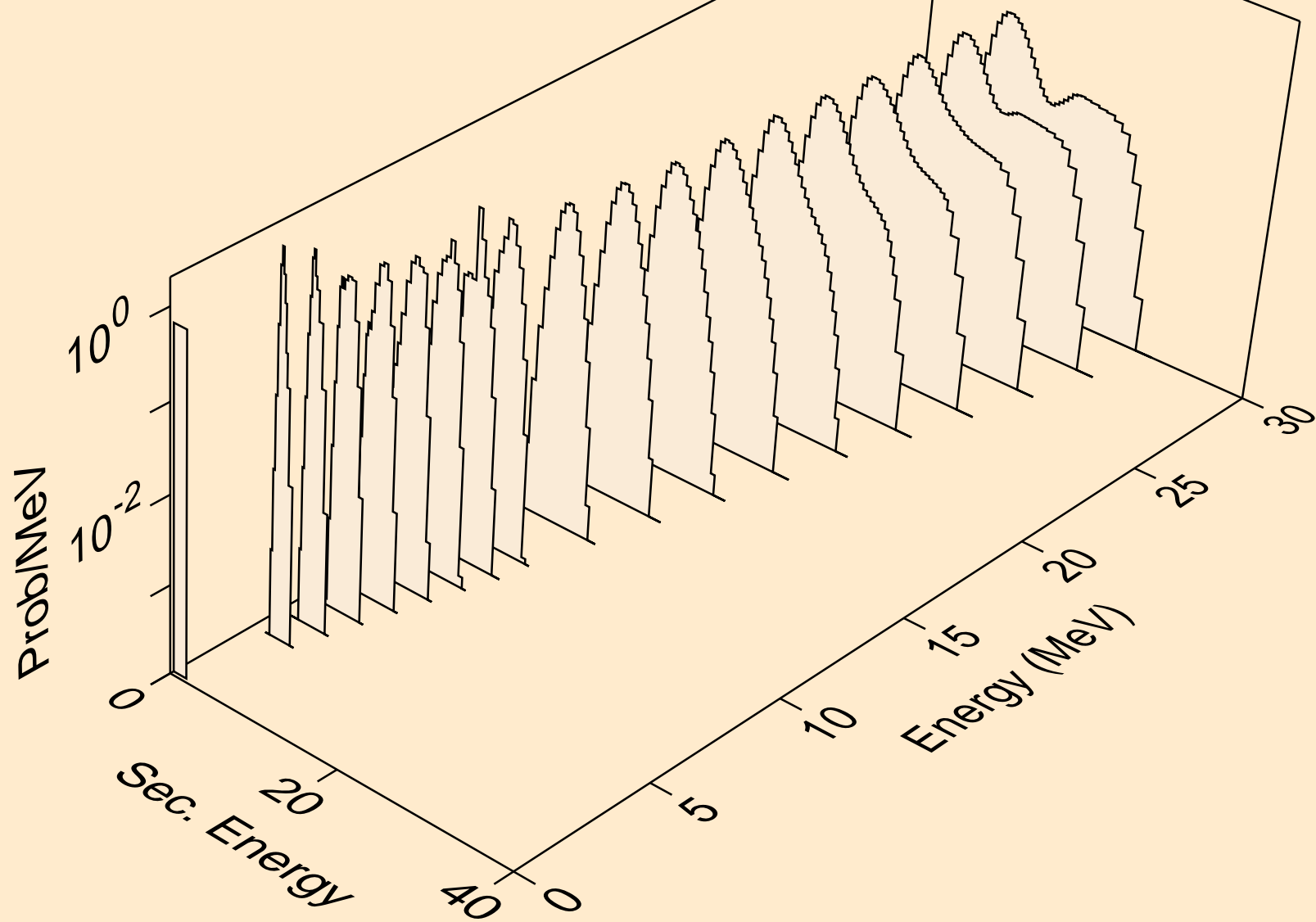
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alphas from (s,2a)



NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,3a)



NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,pa)





NI063 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,da)

