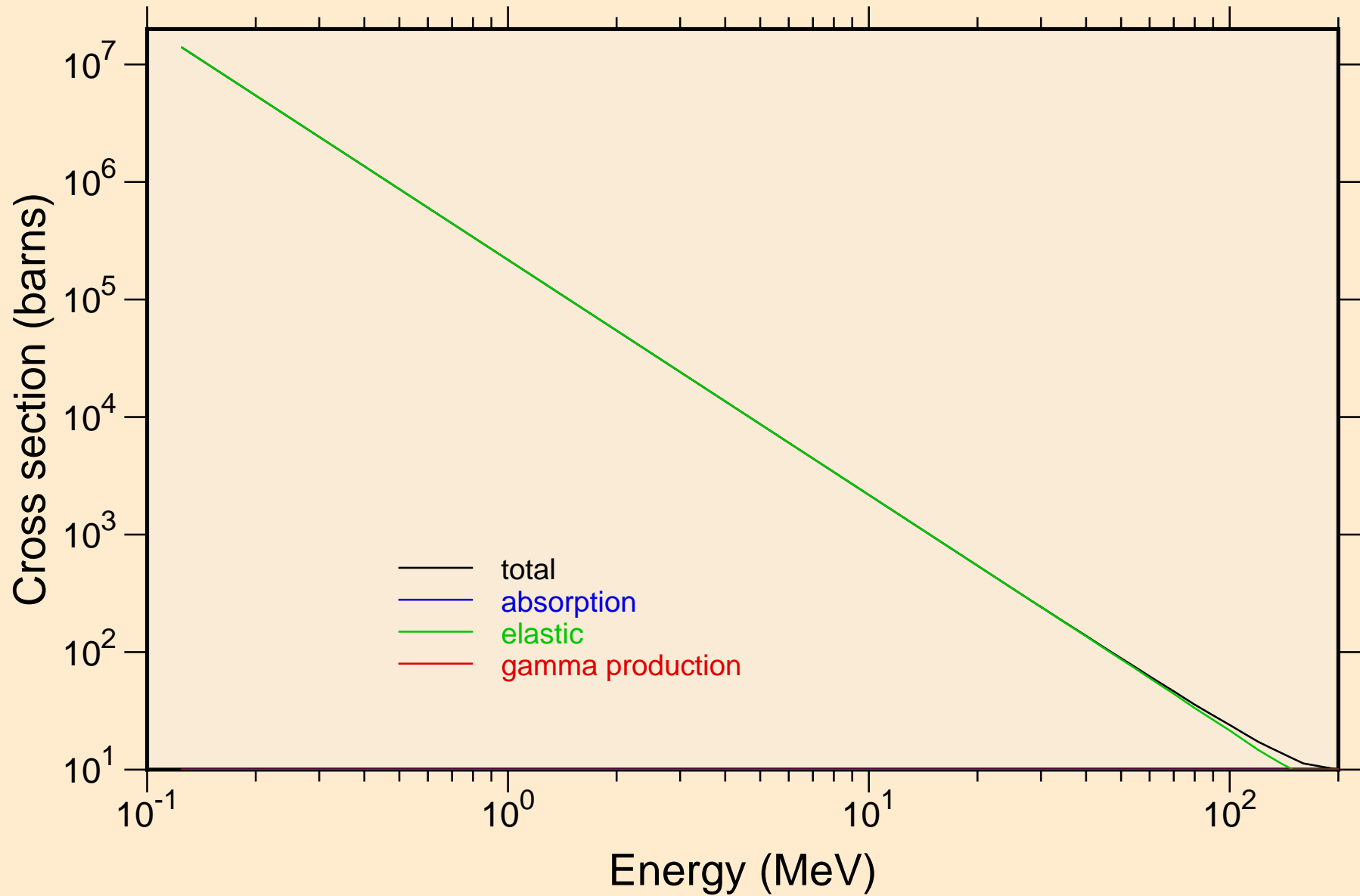
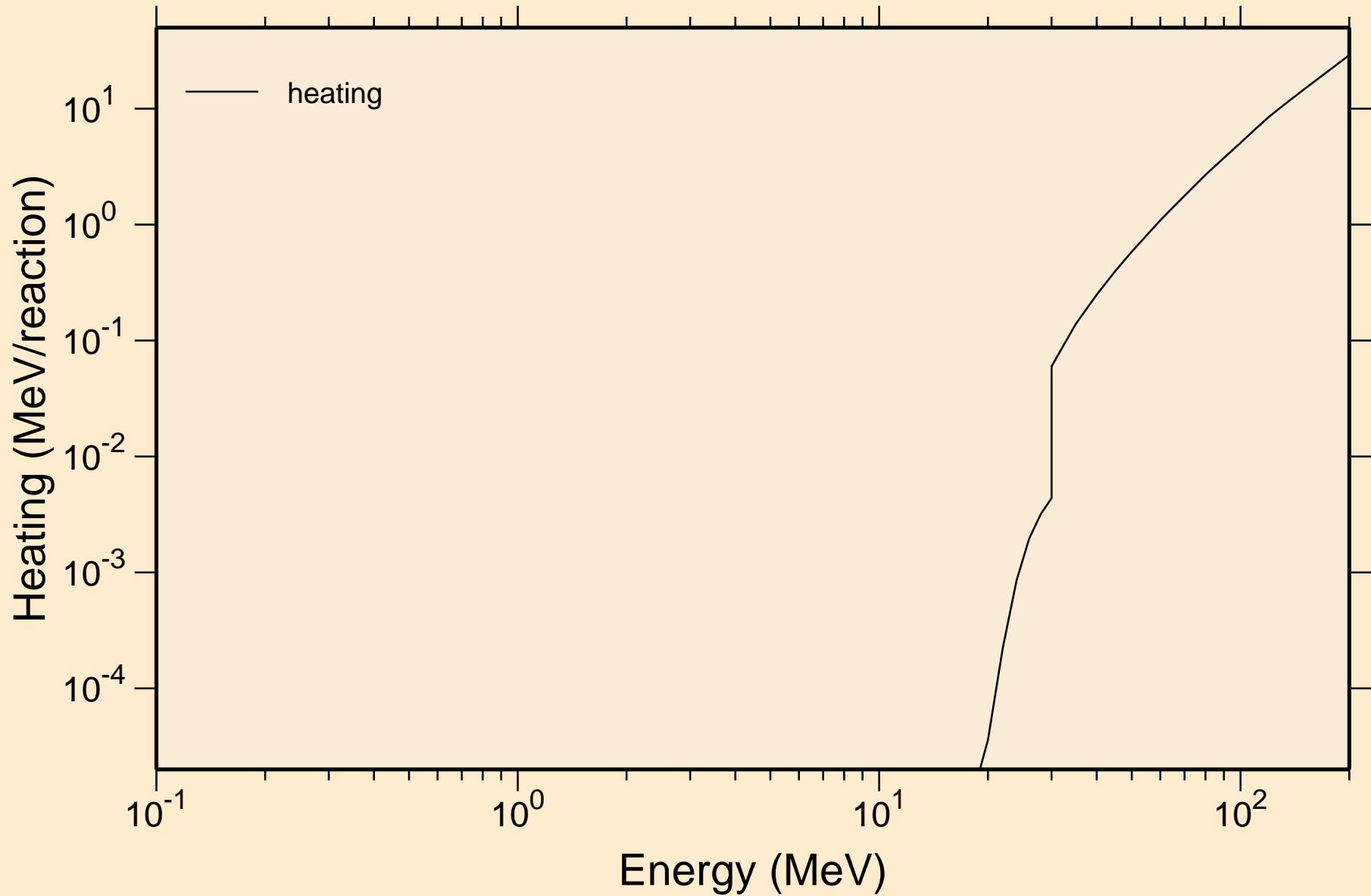


NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections

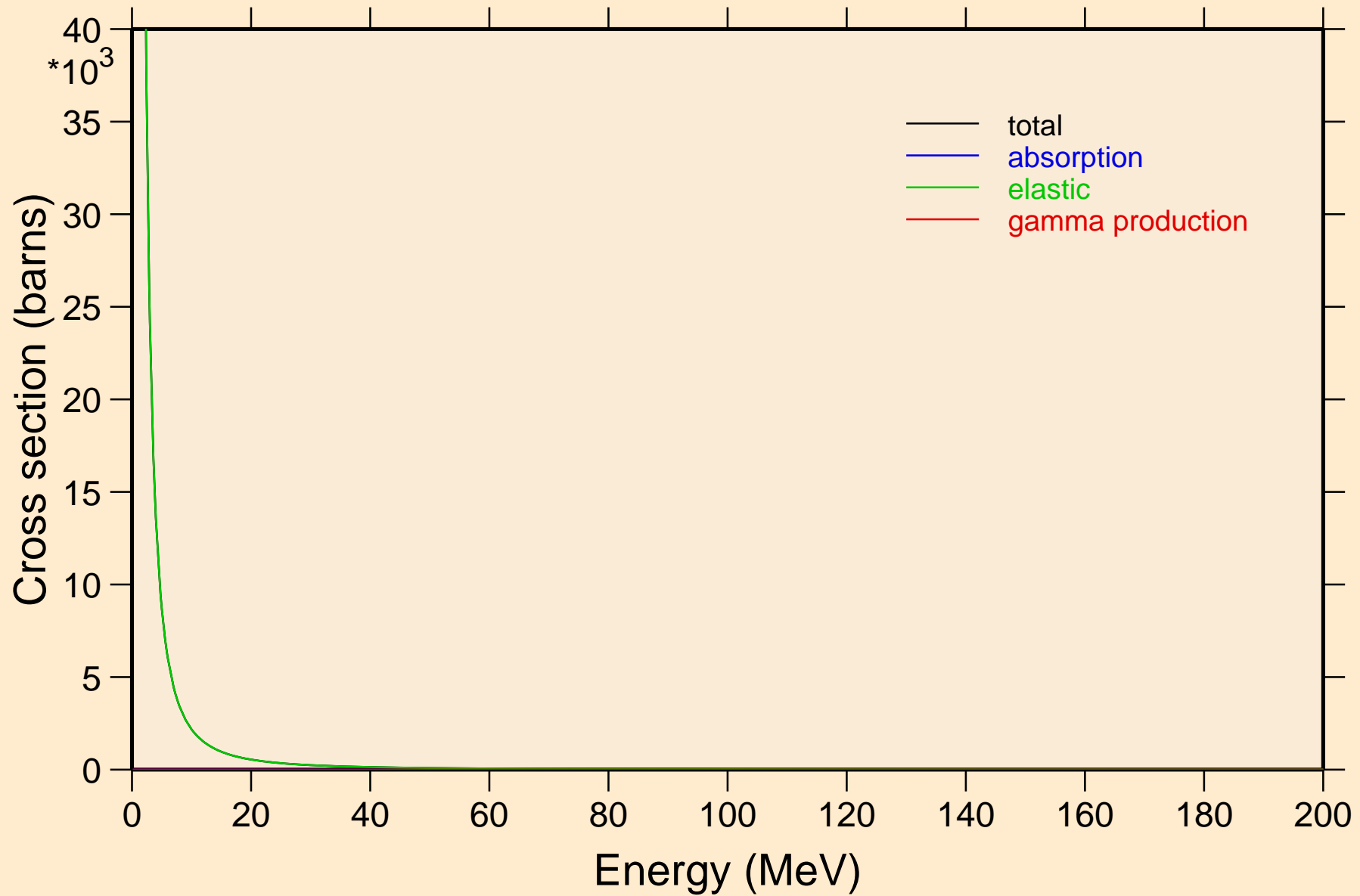


NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Heating



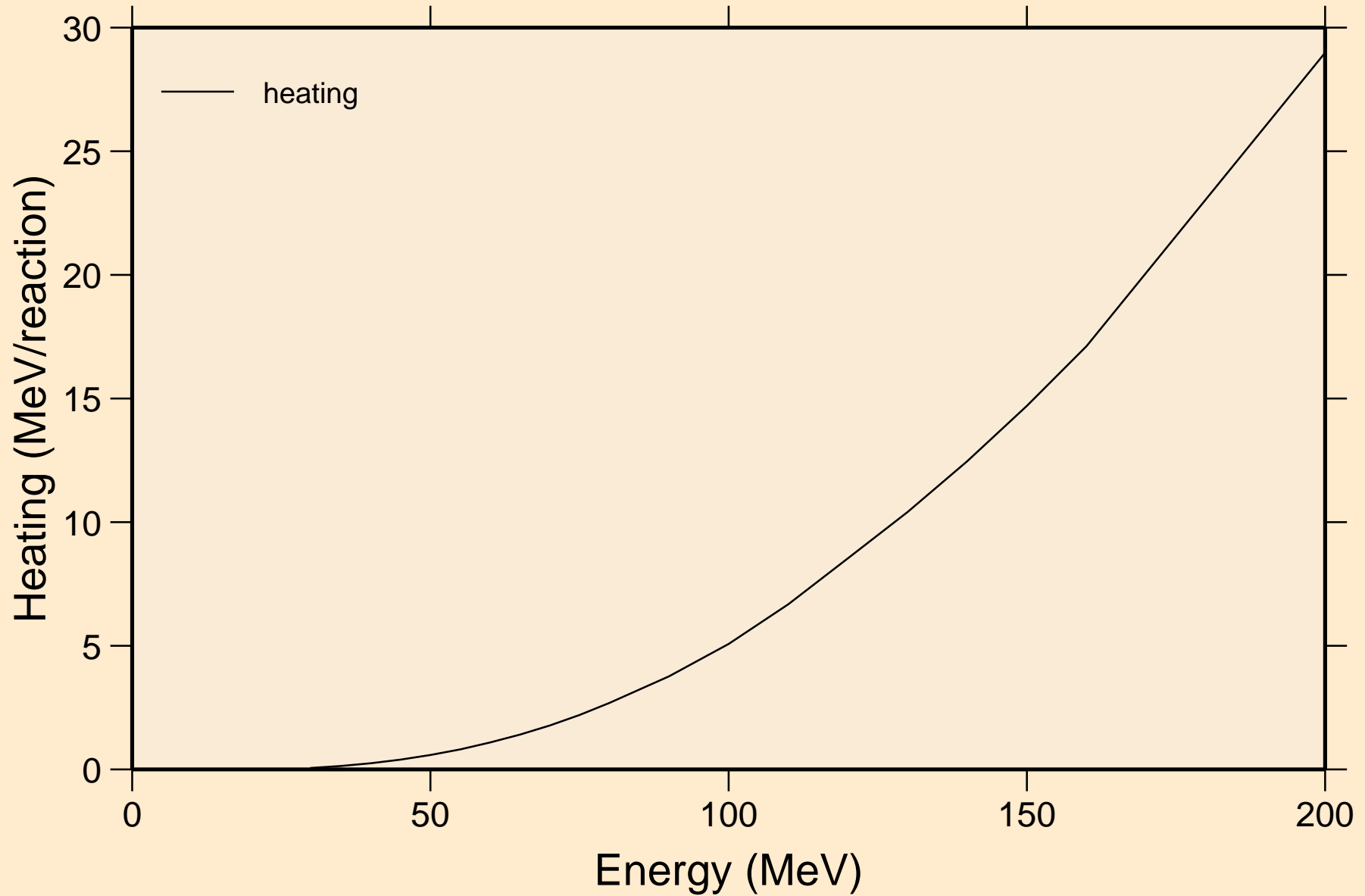
# NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

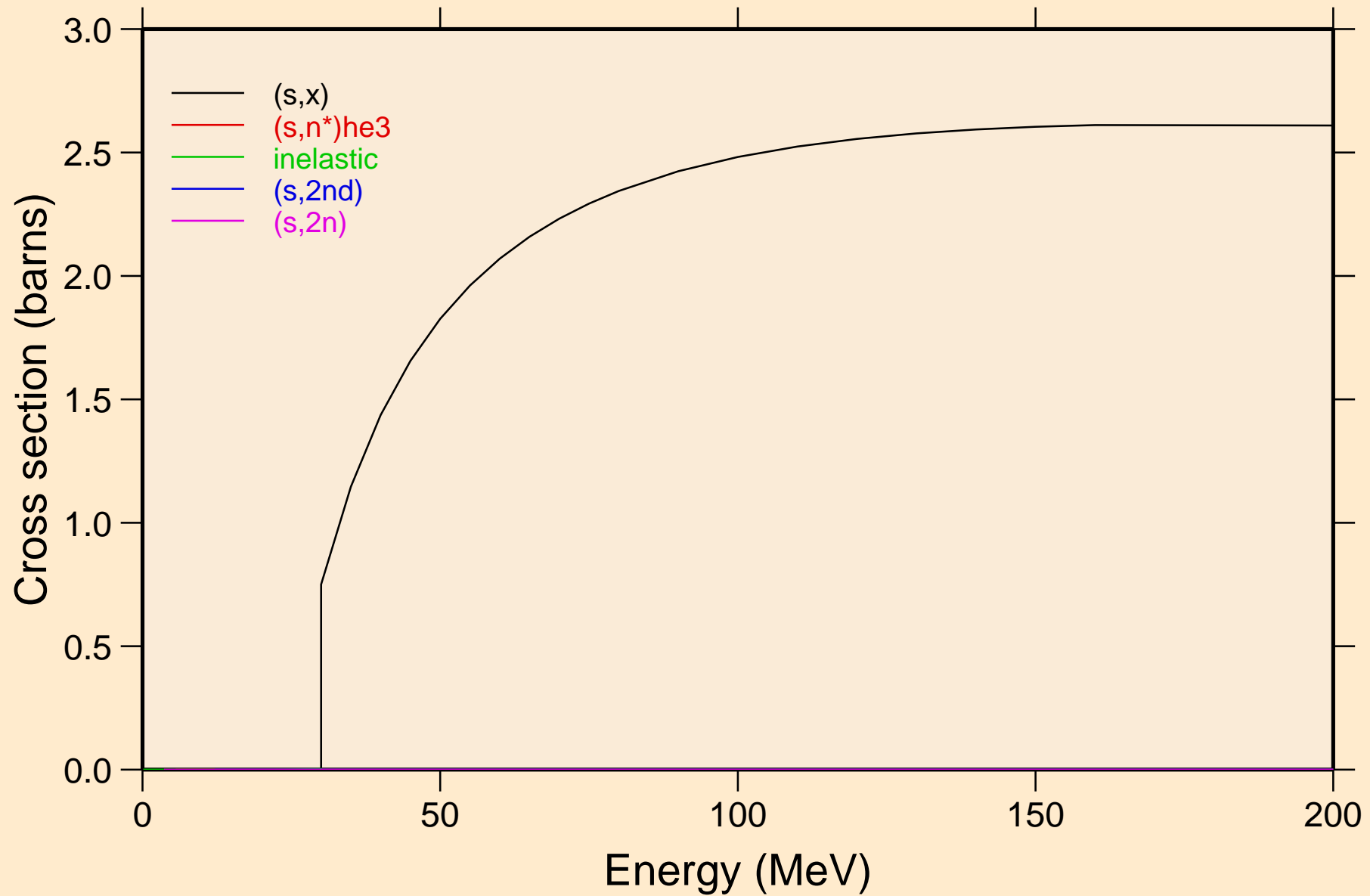


NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K

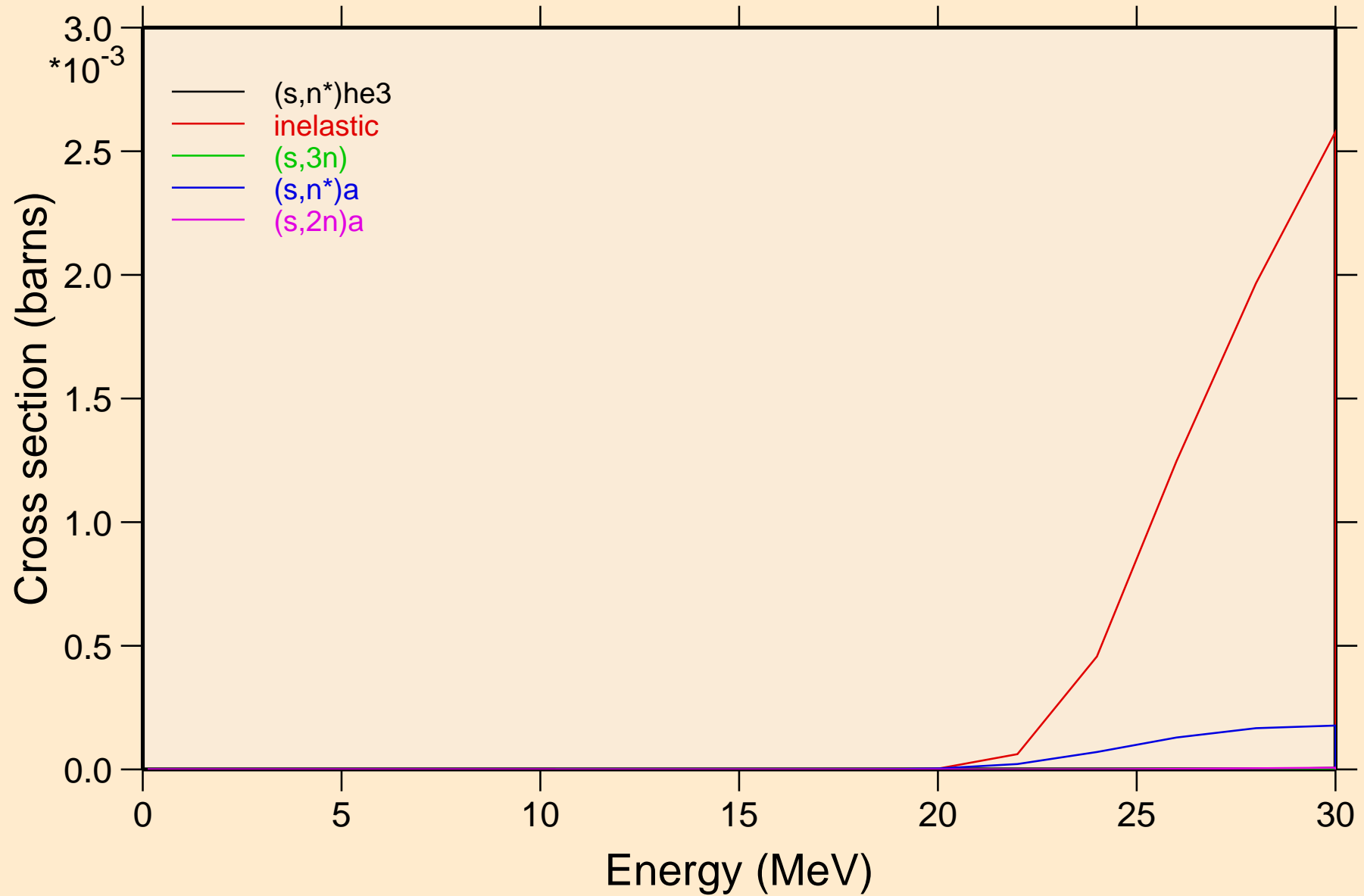
Heating



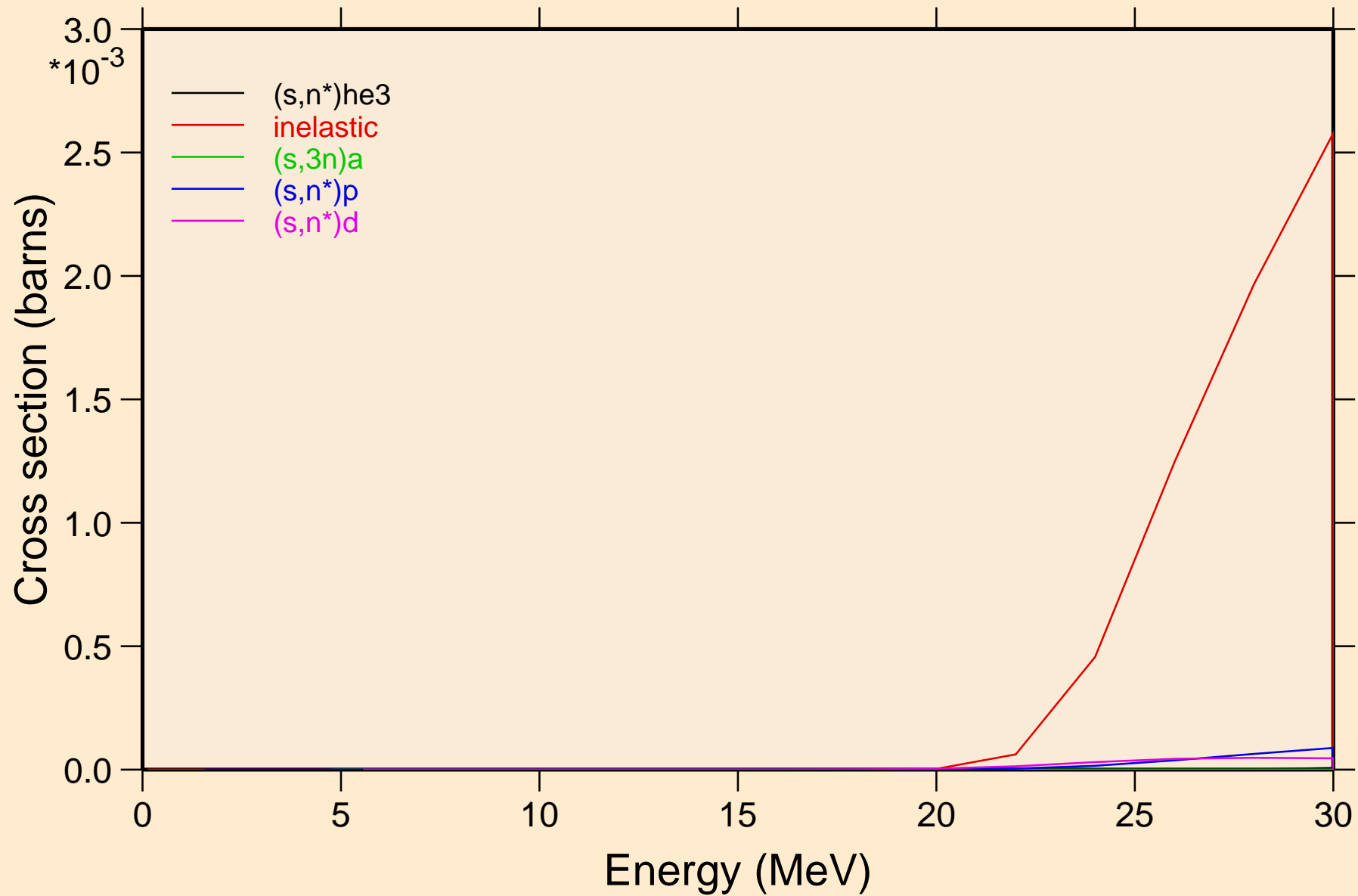
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



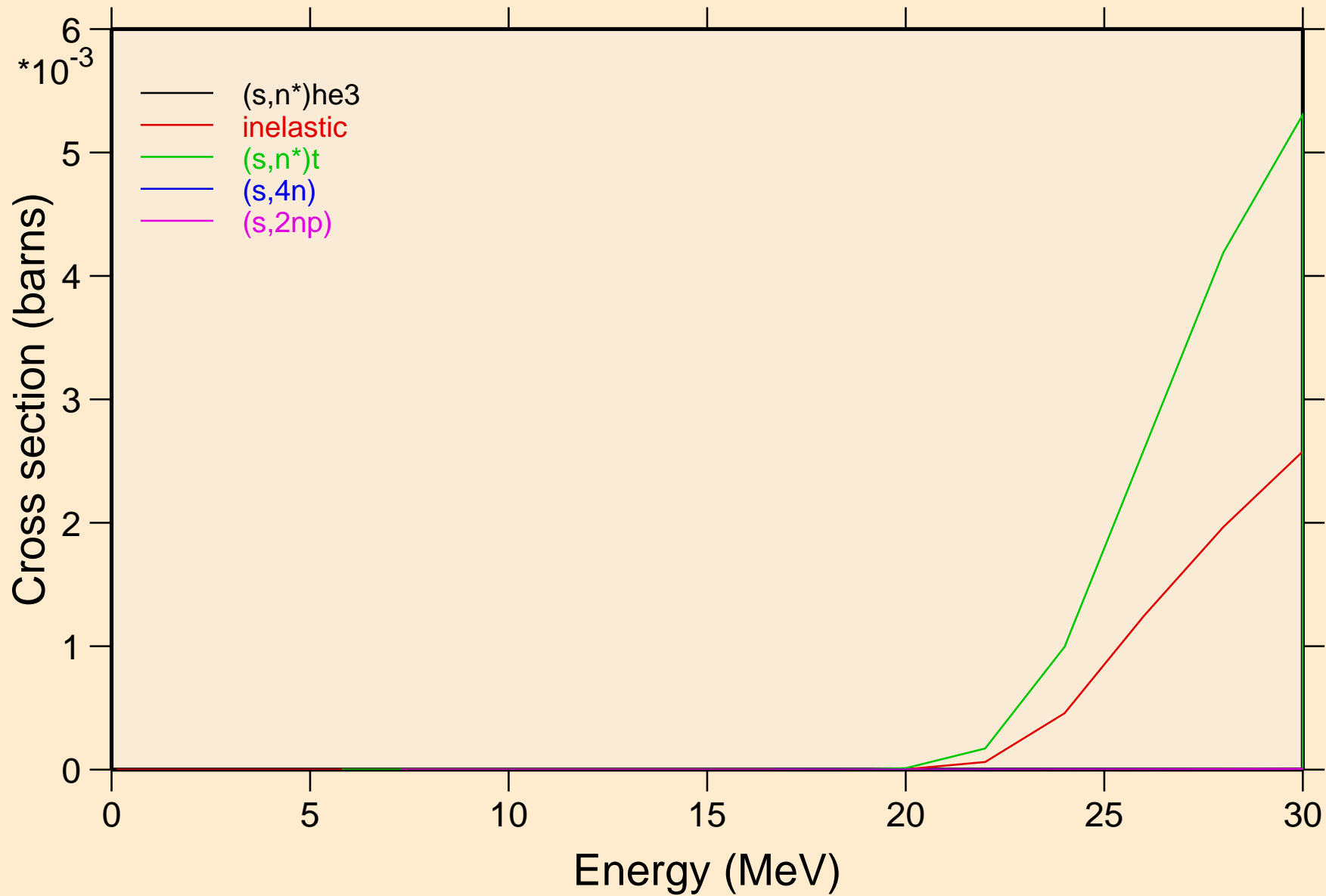
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

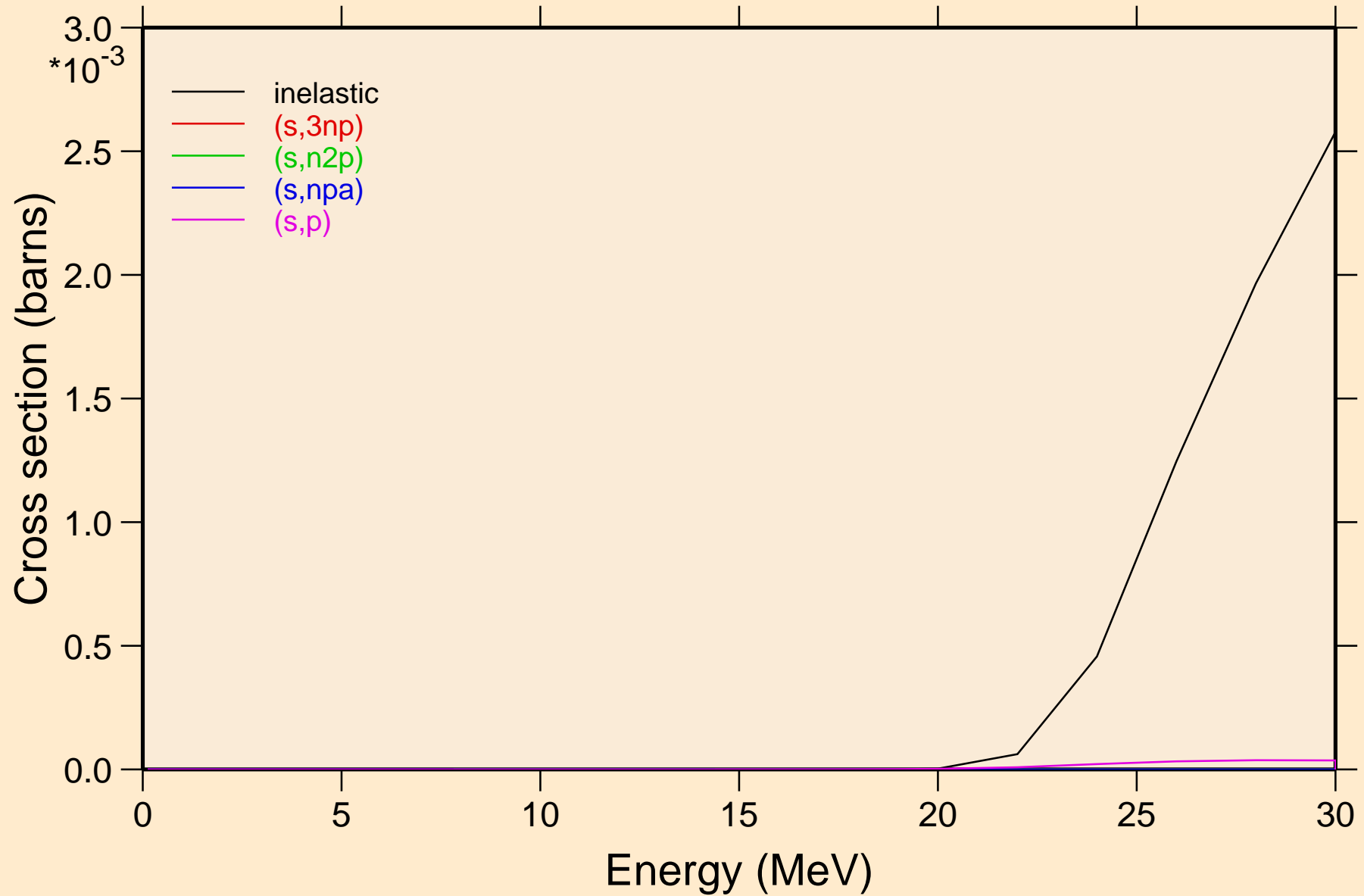


NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



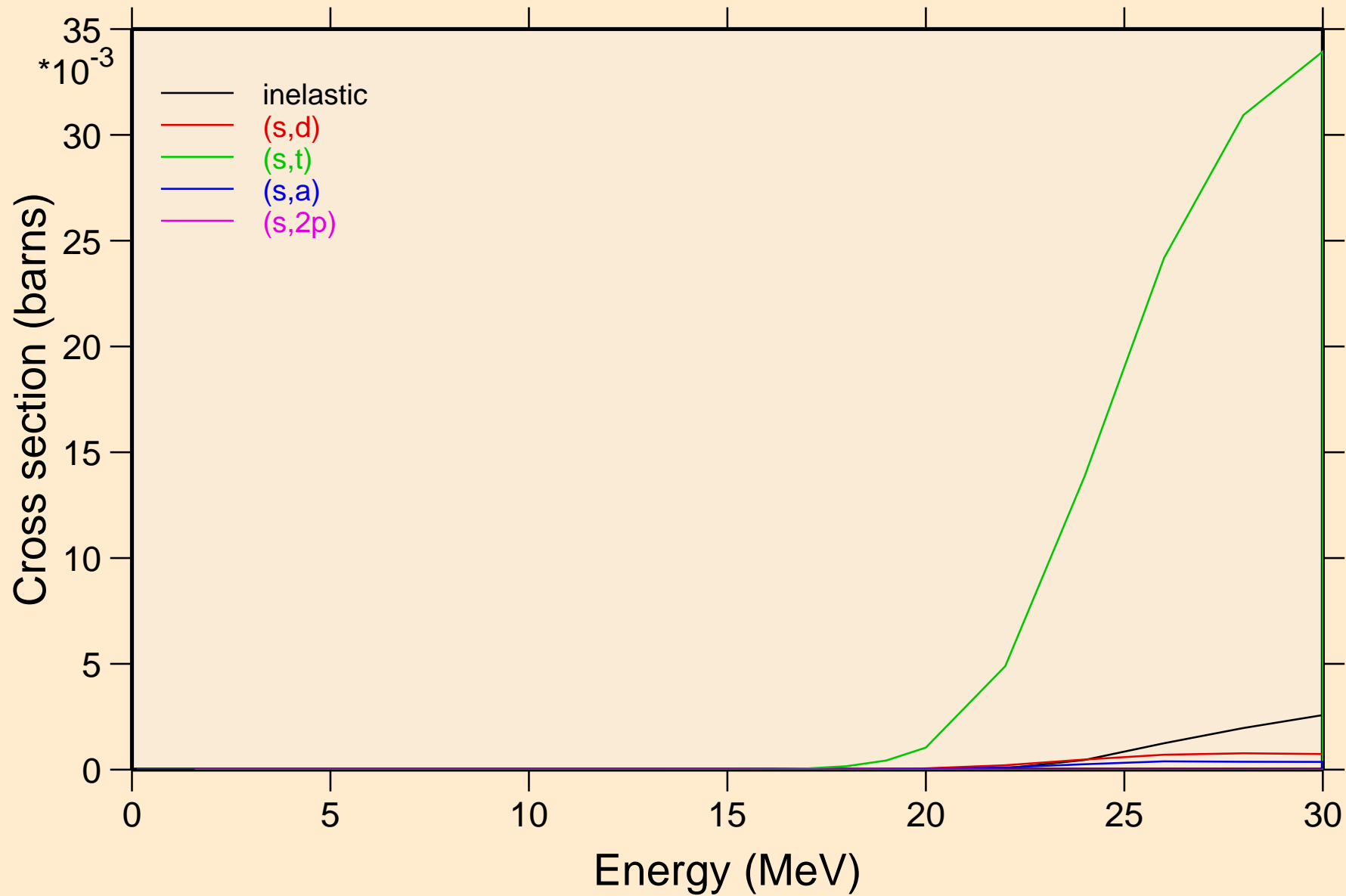


NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

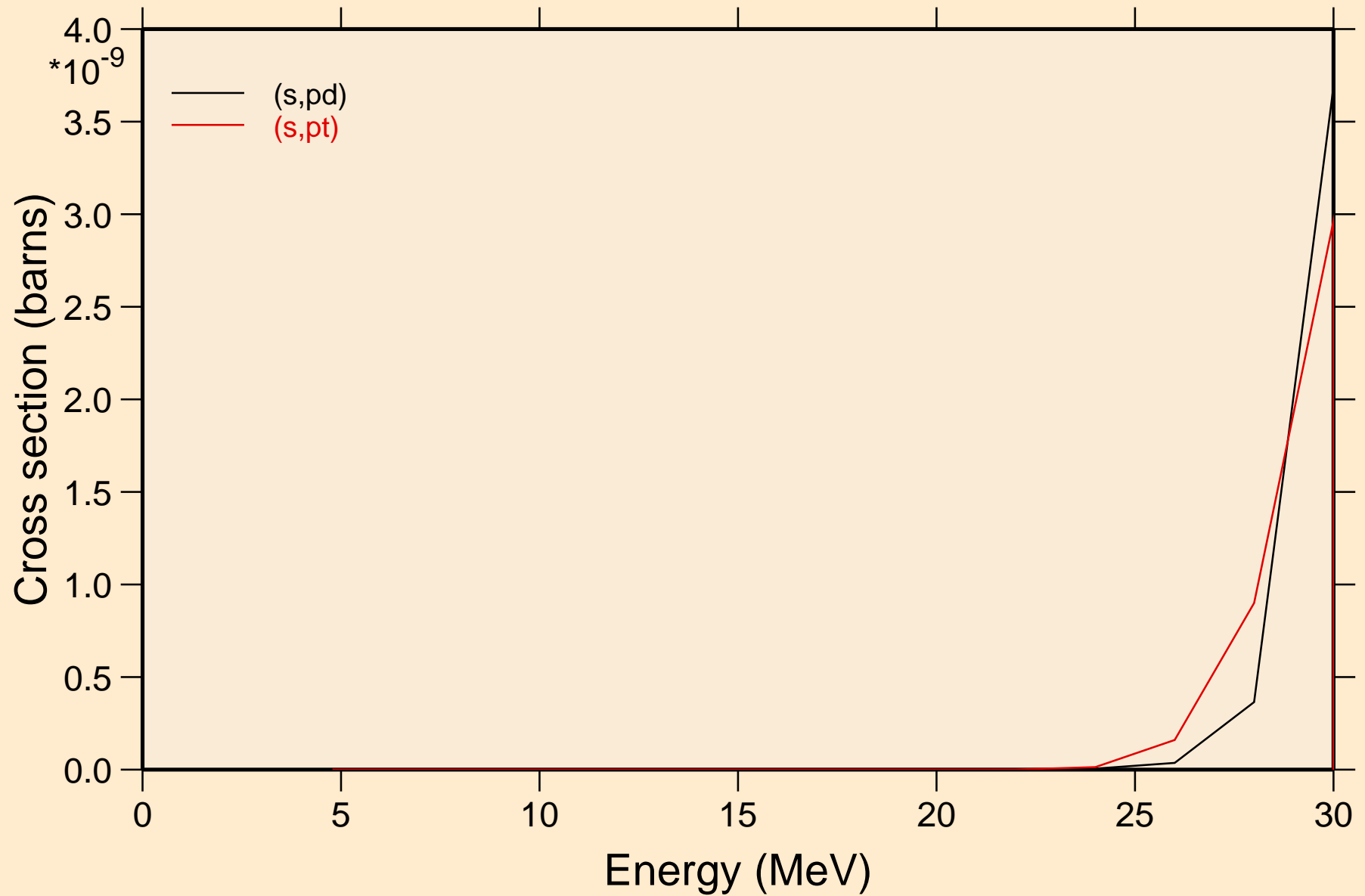


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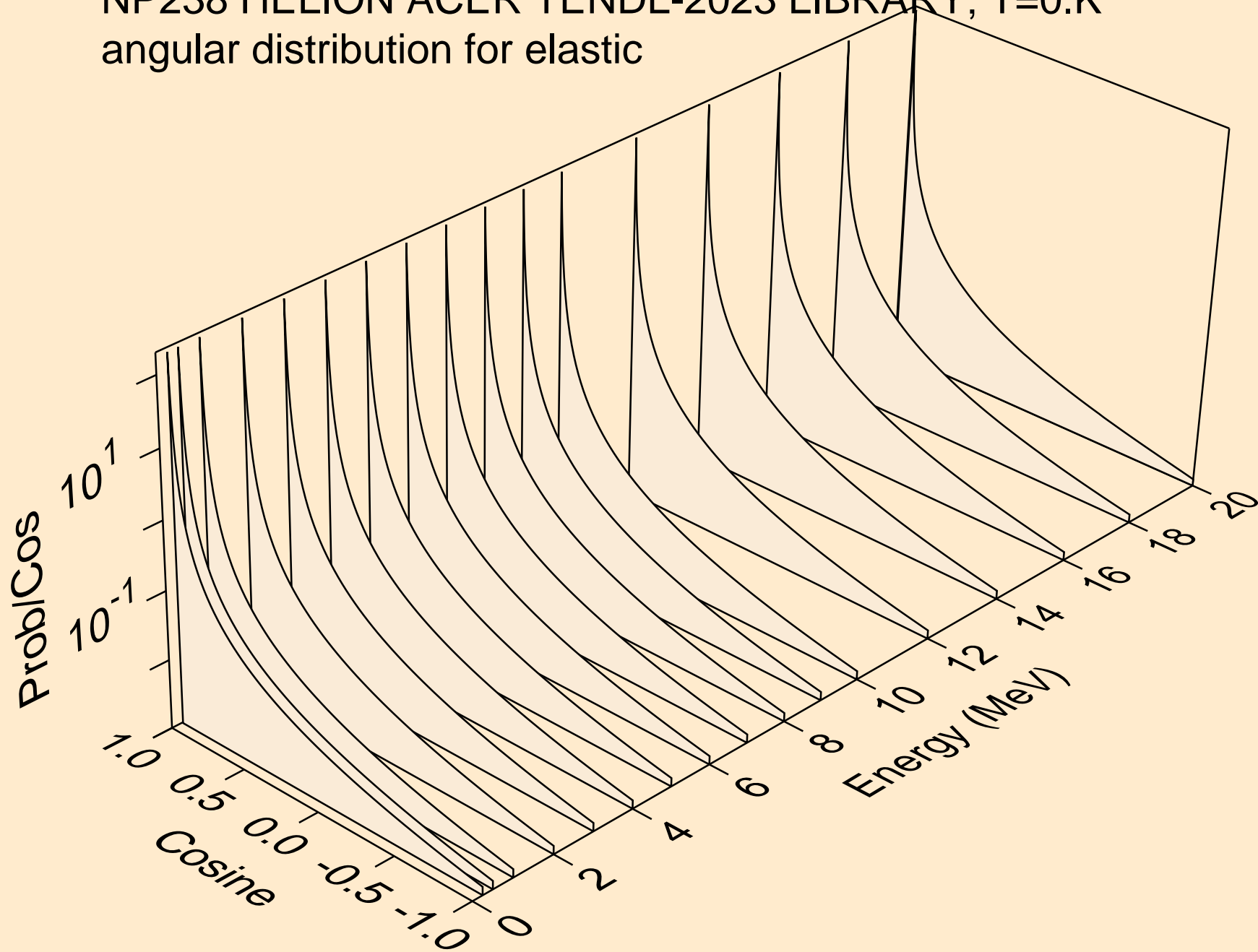
## Threshold reactions



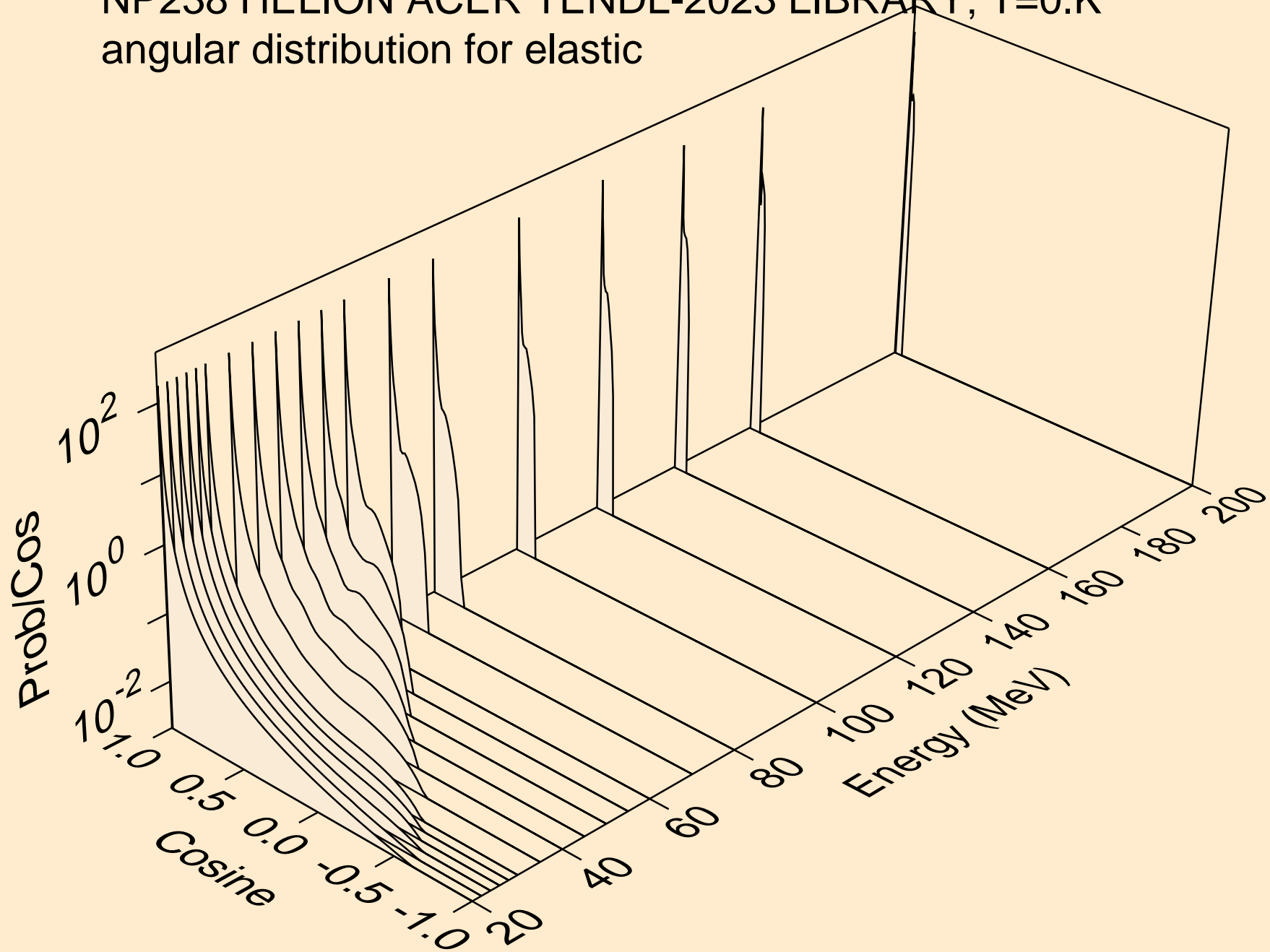
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Threshold reactions



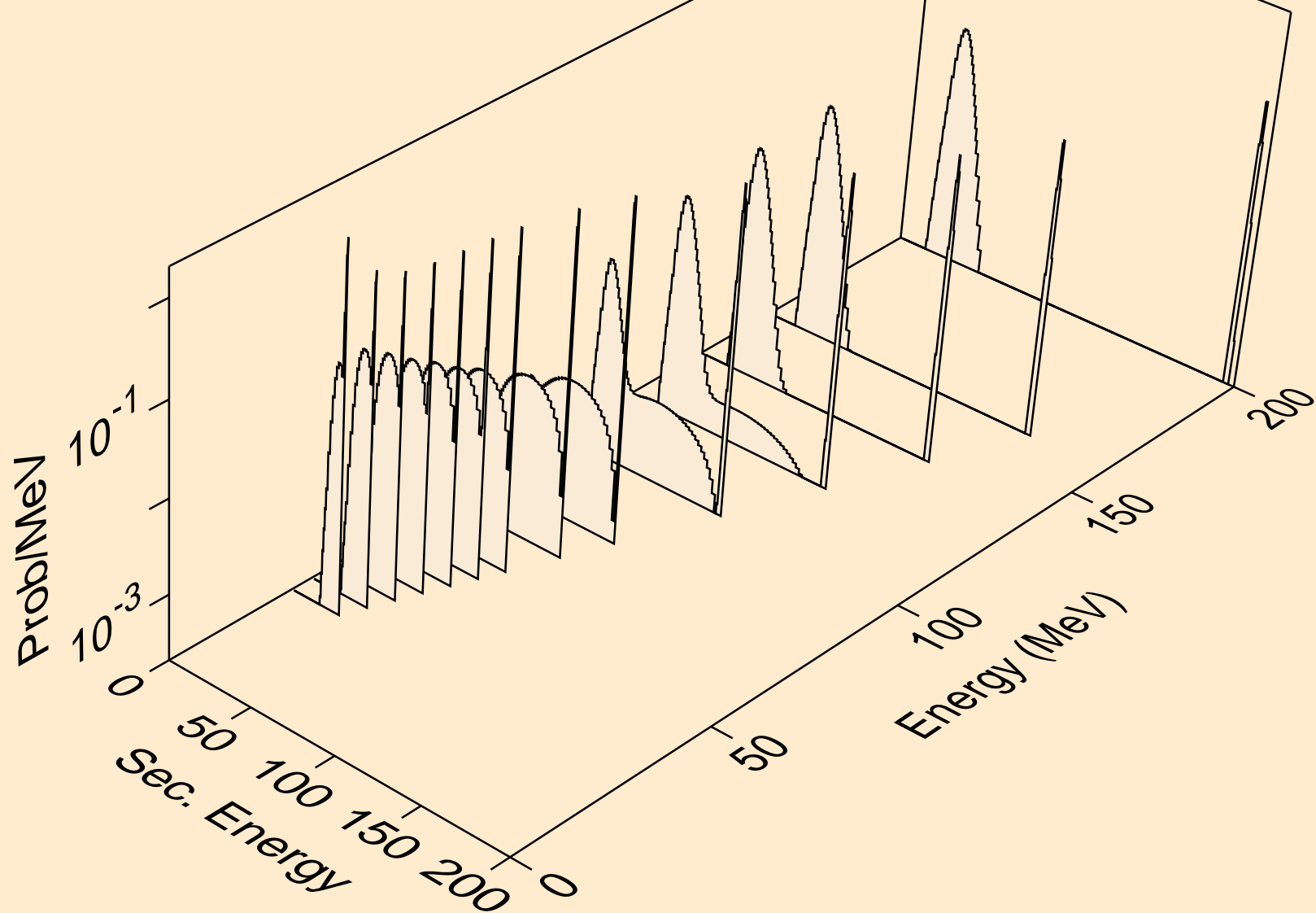
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



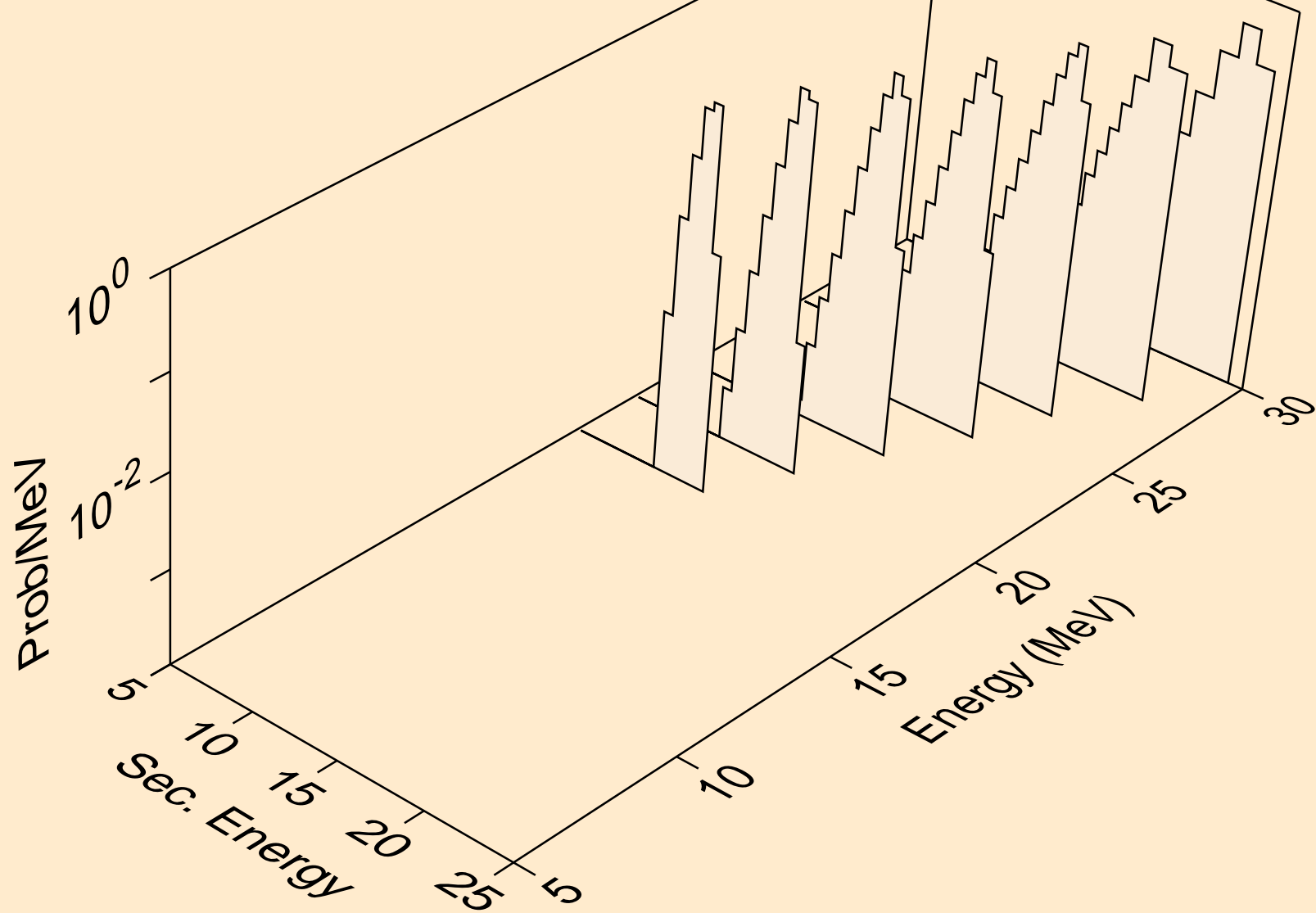
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



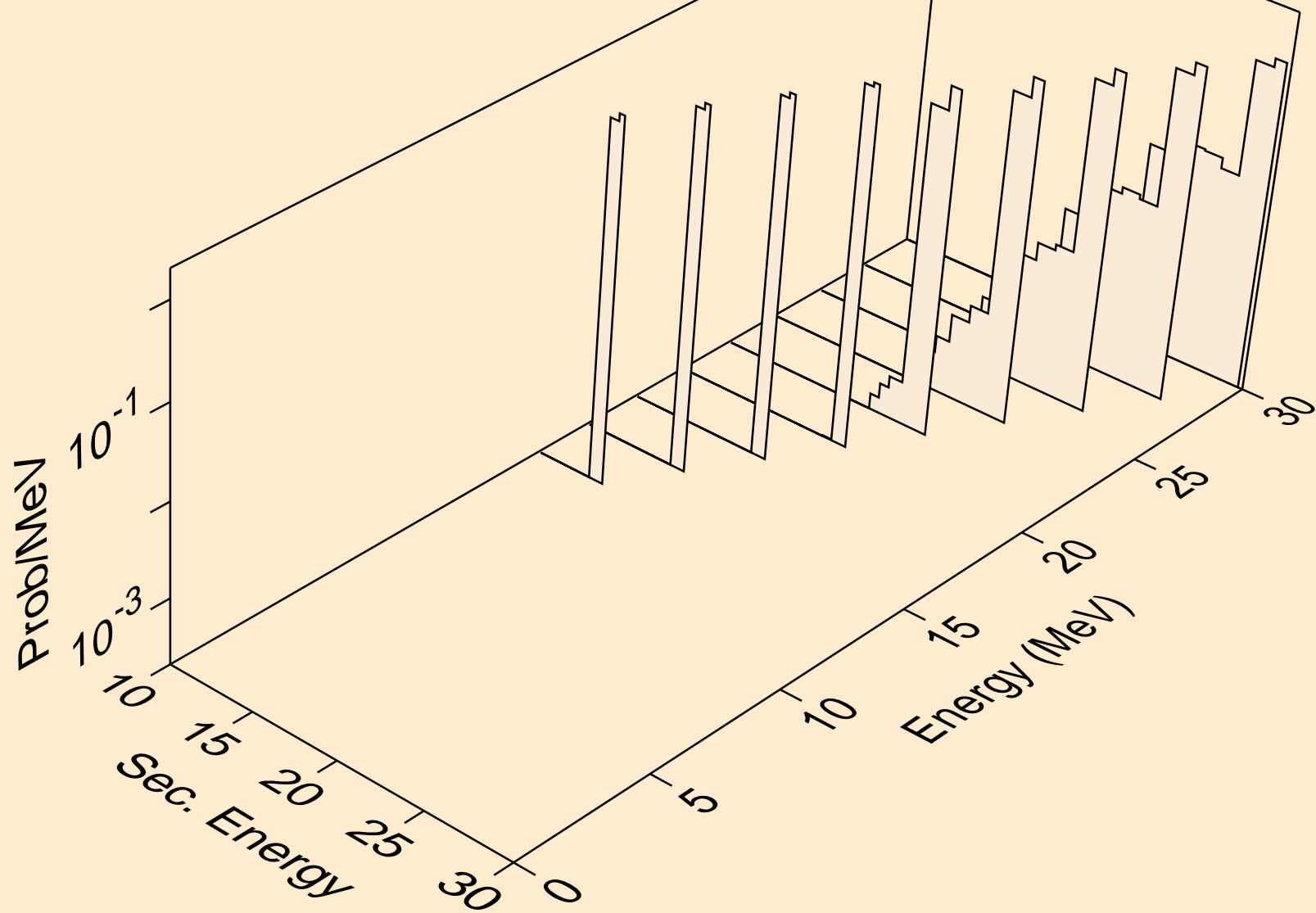
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)



NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

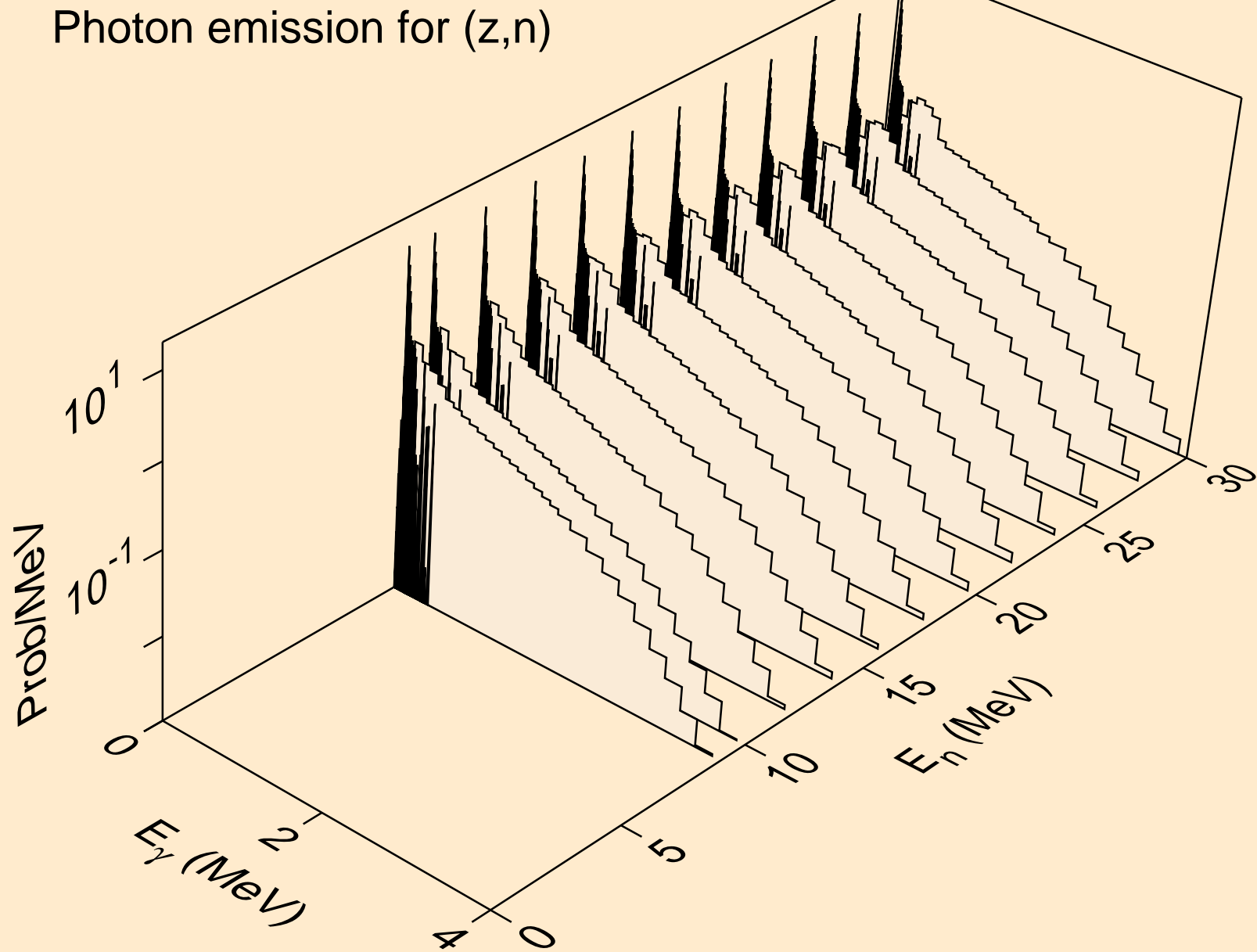


NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic

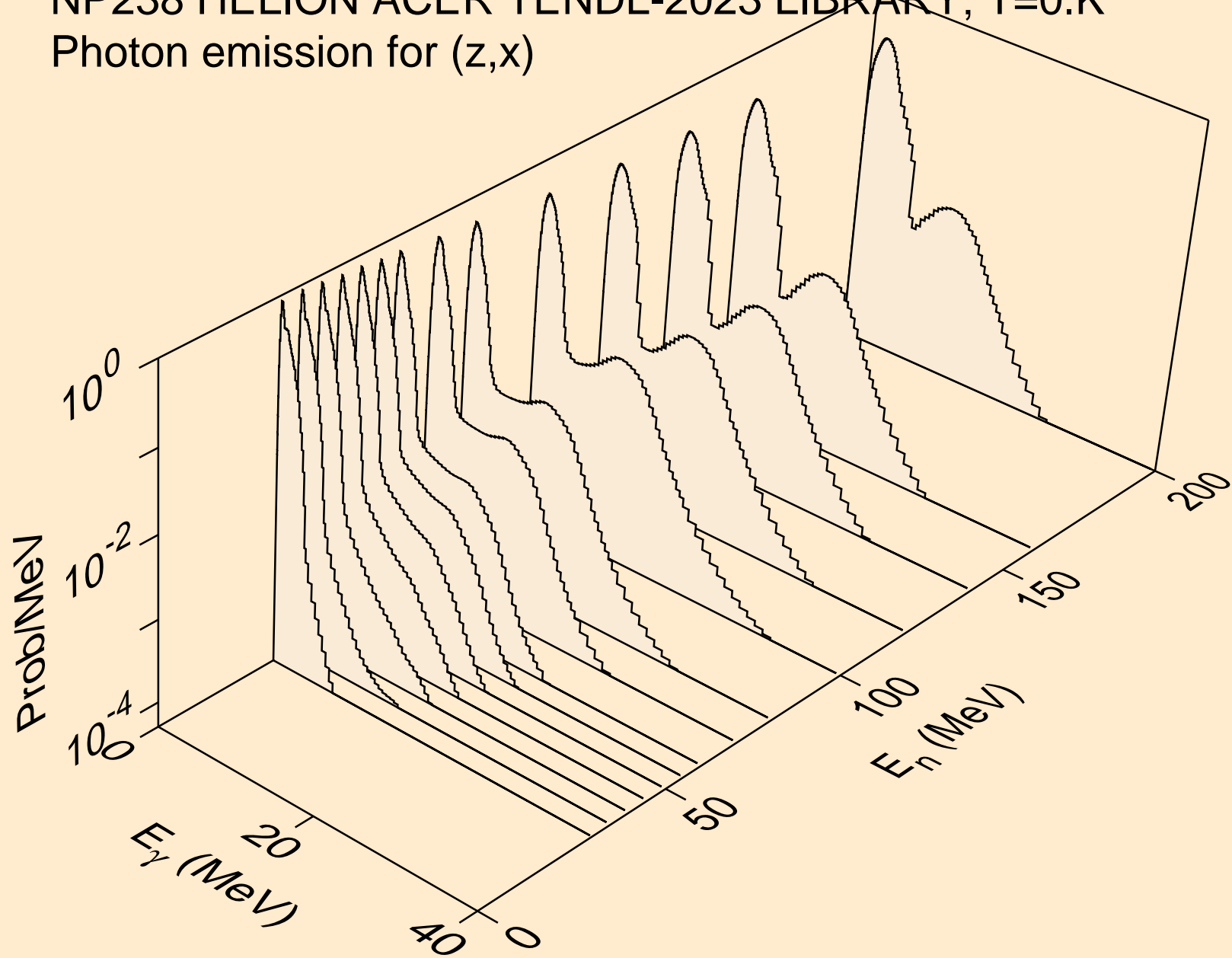




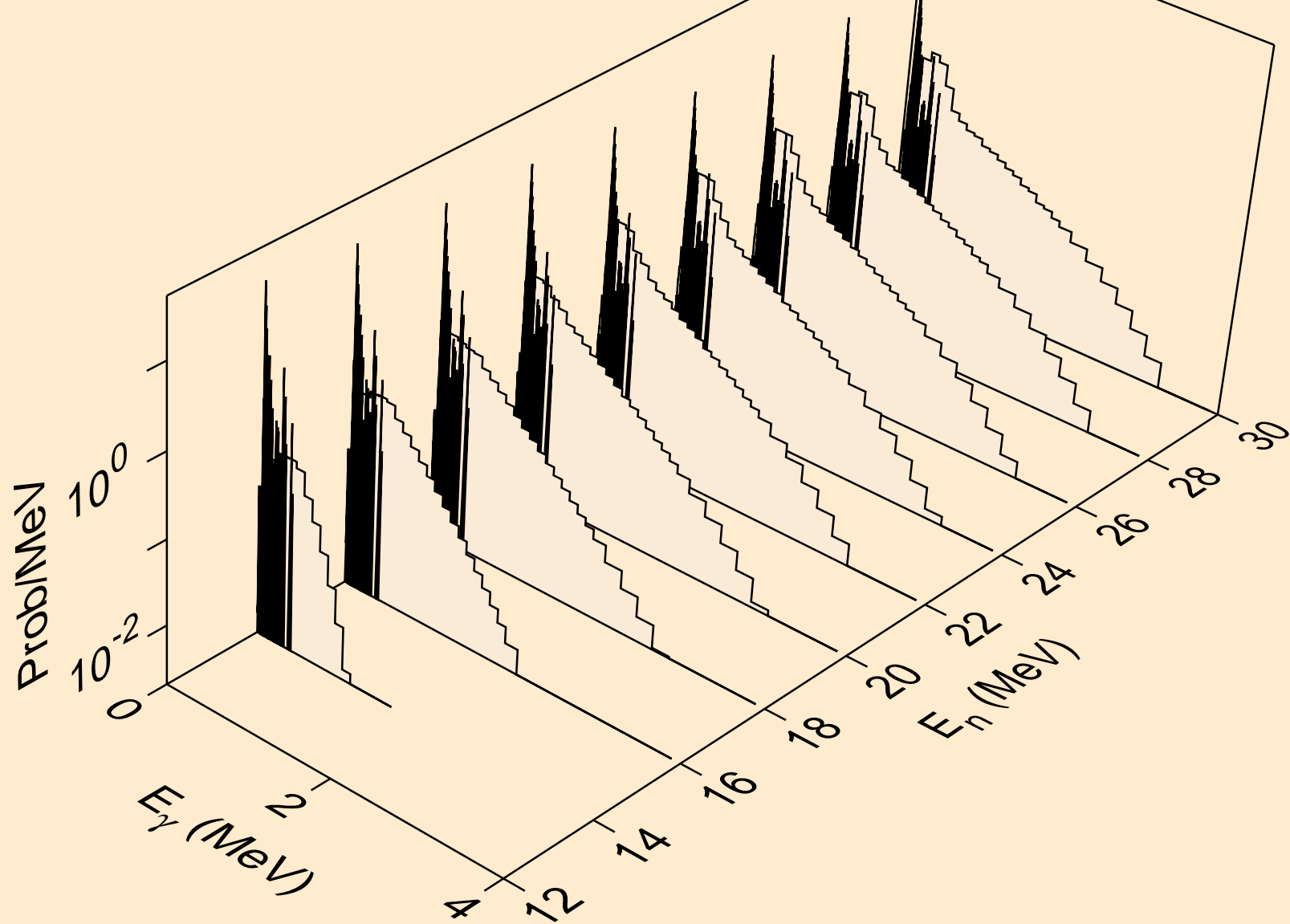
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Photon emission for (z,n)



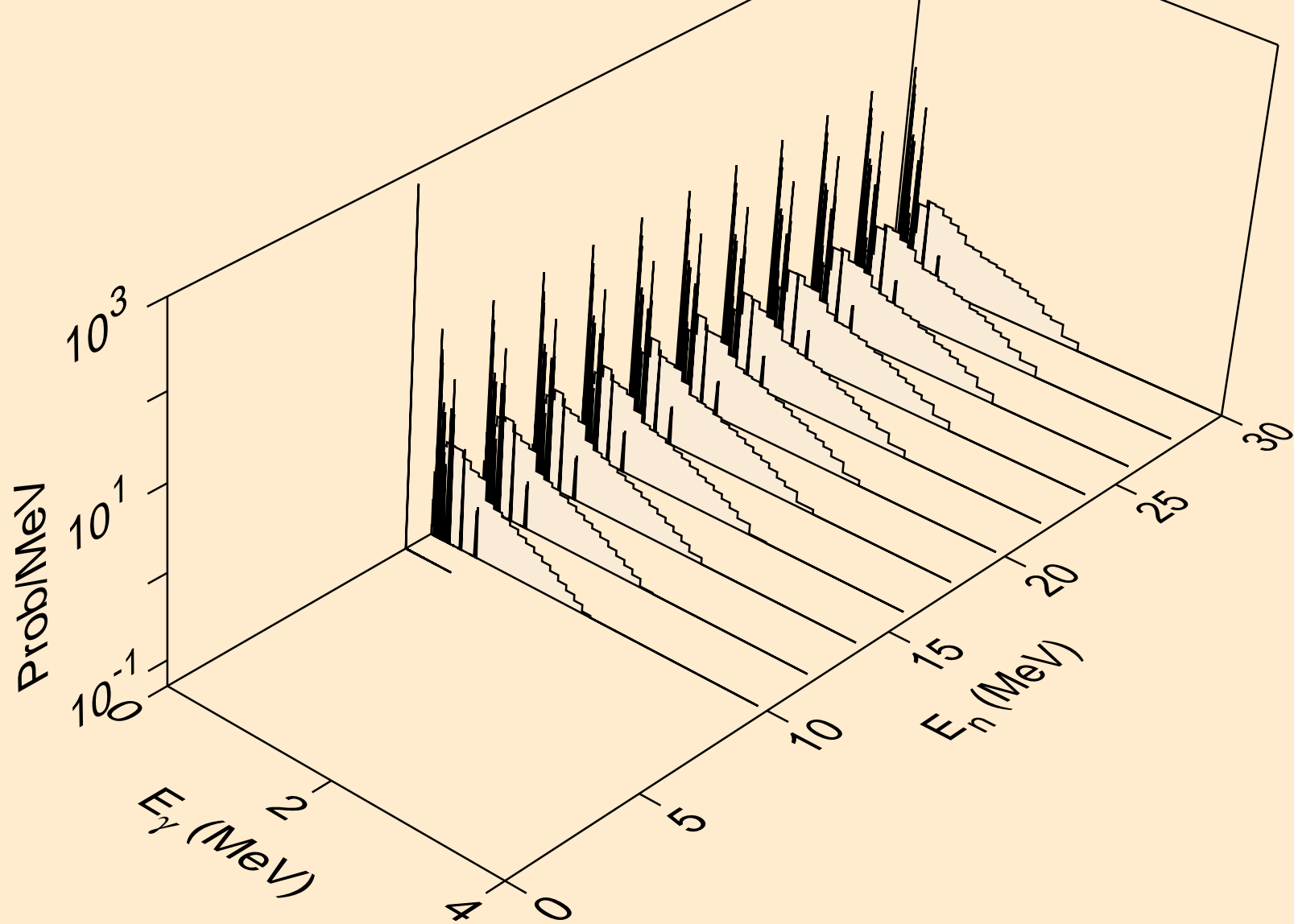
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Photon emission for (z,x)



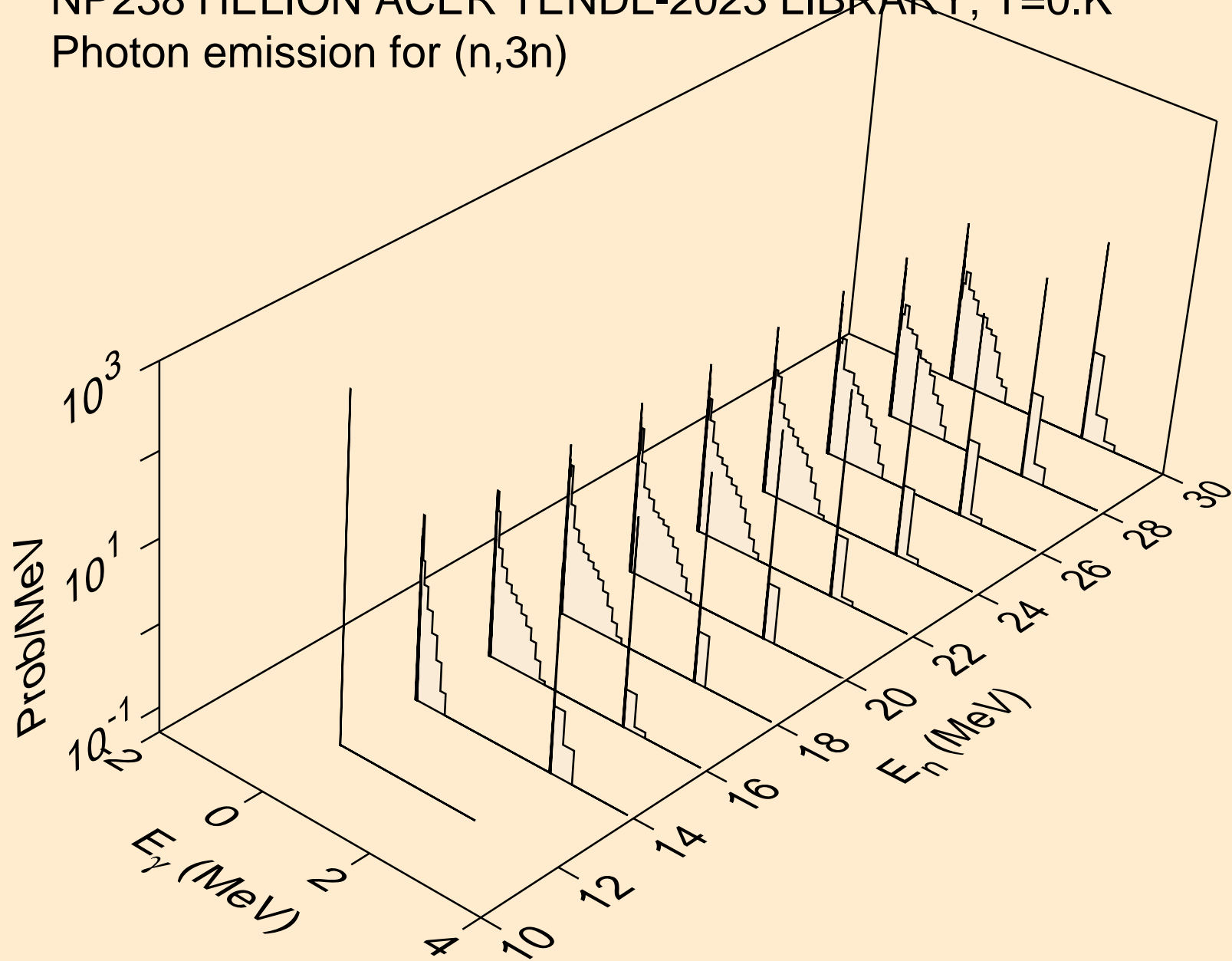
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



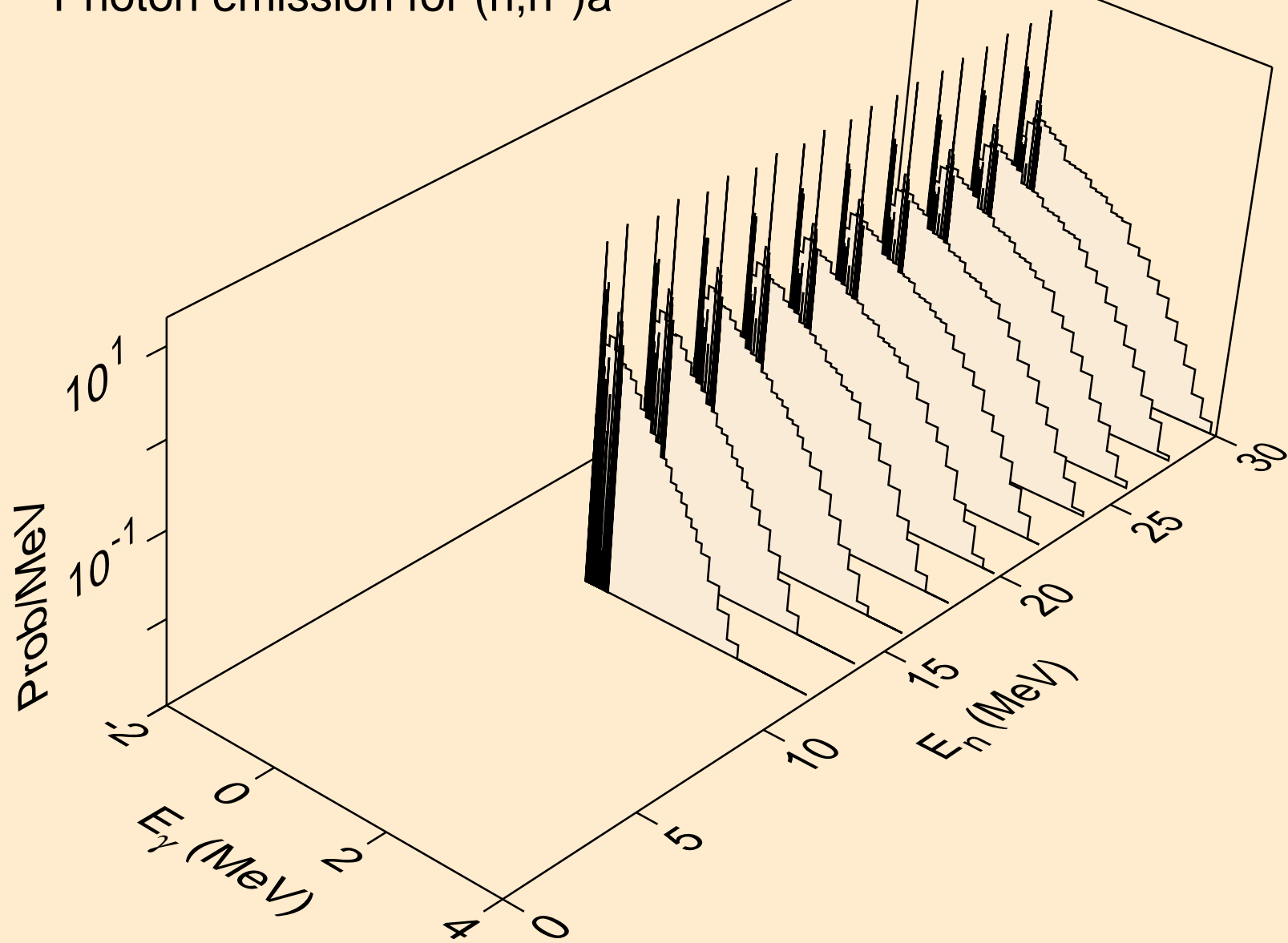
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



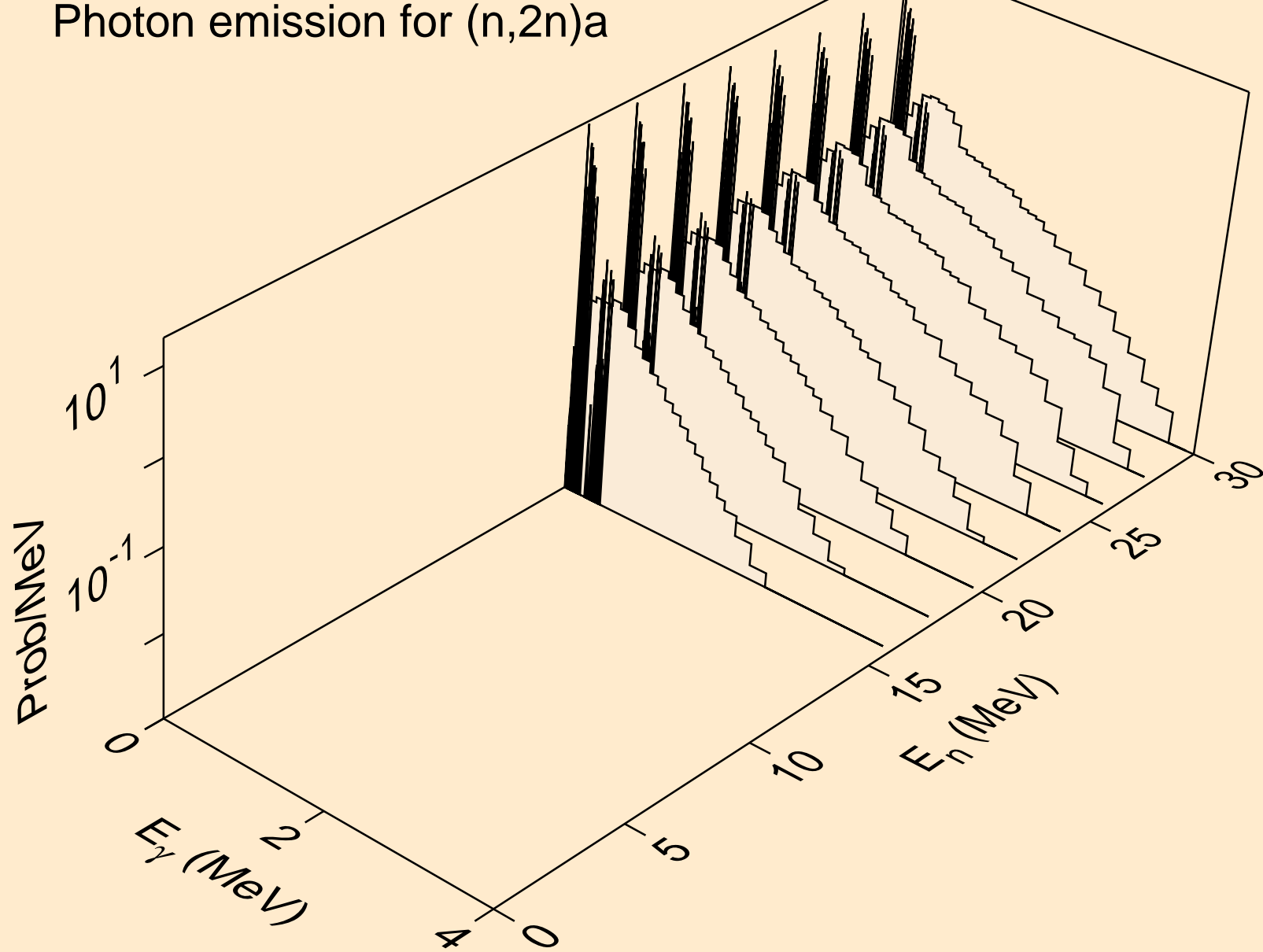
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



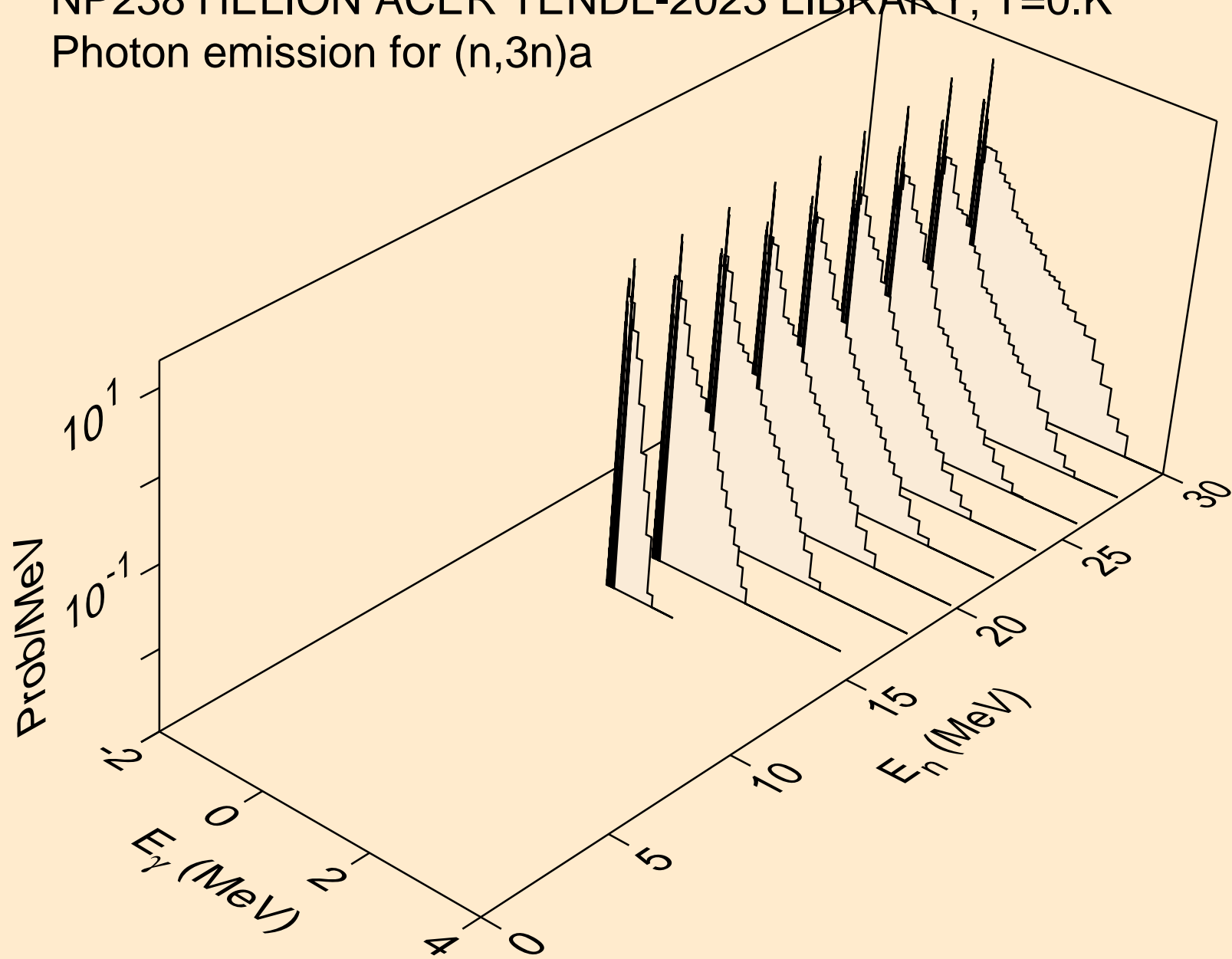
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

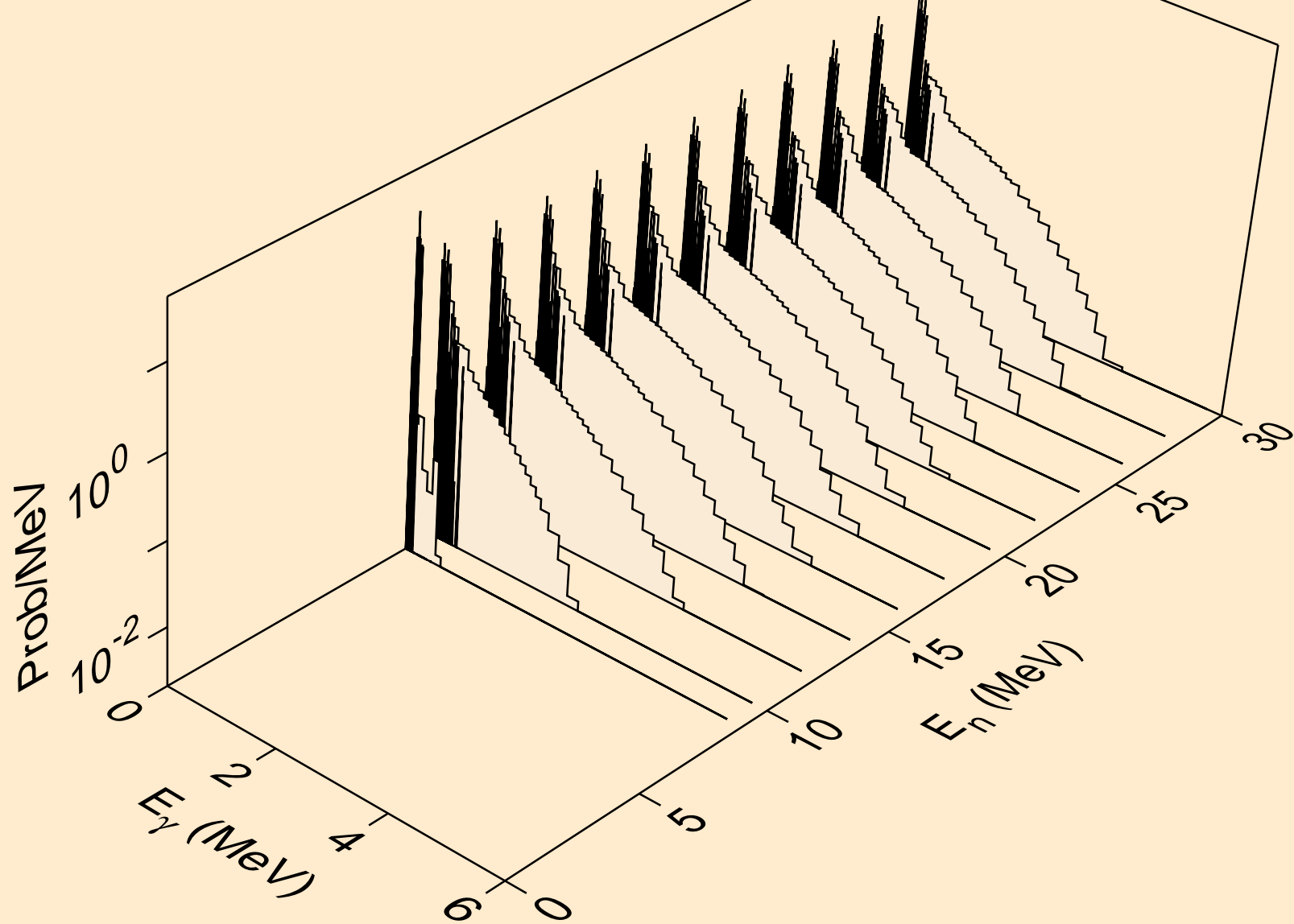


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Photon emission for (n,3n)a

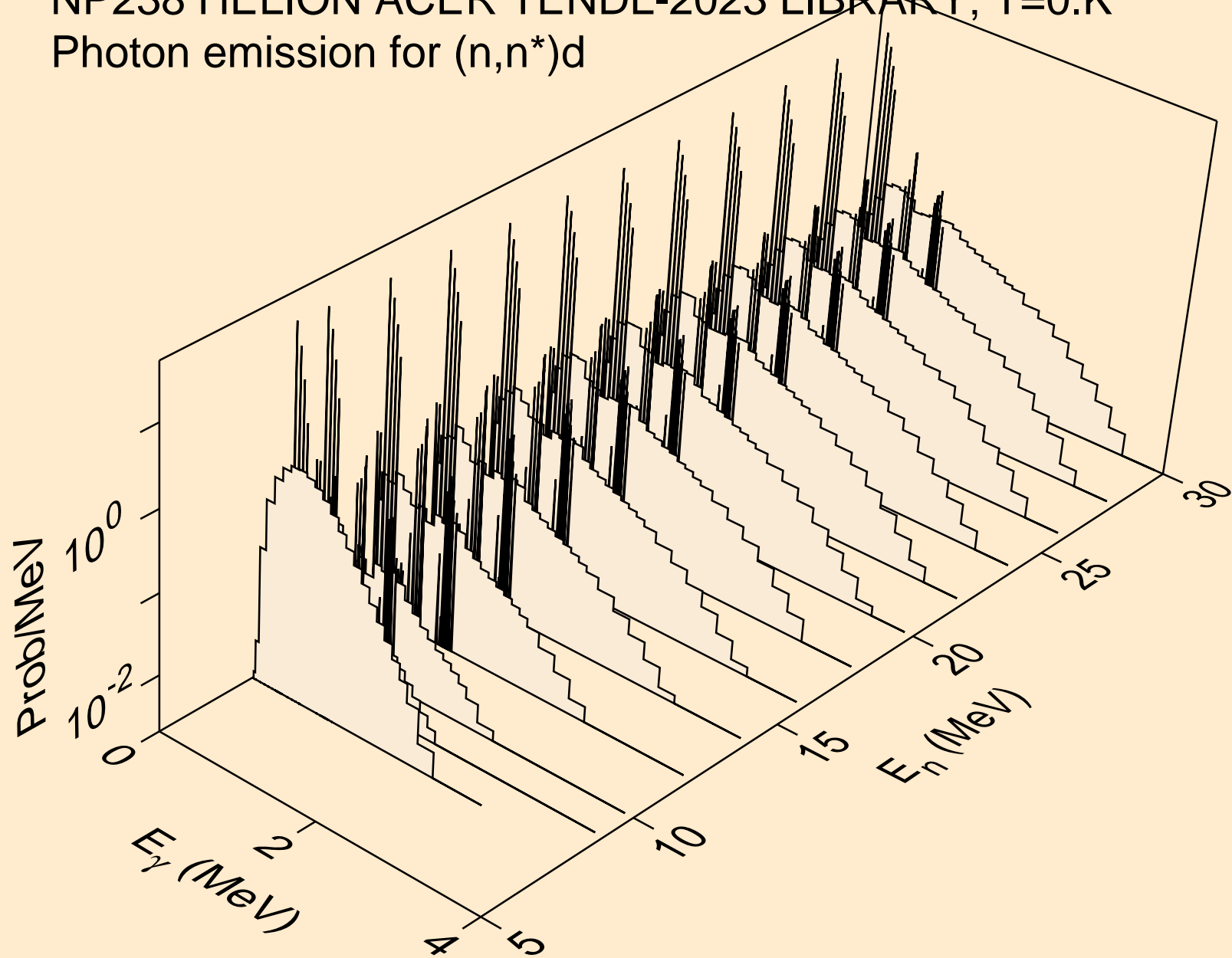




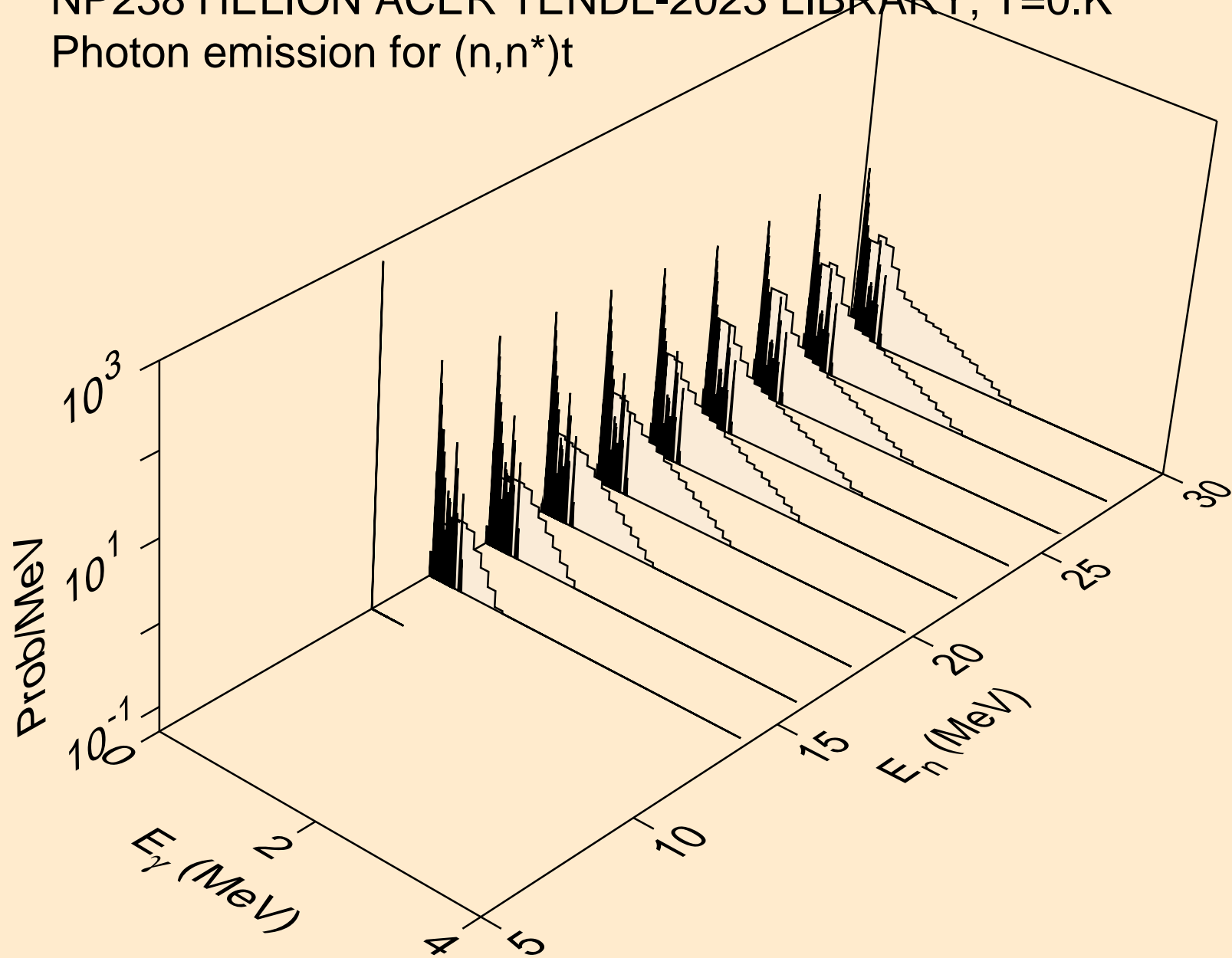
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



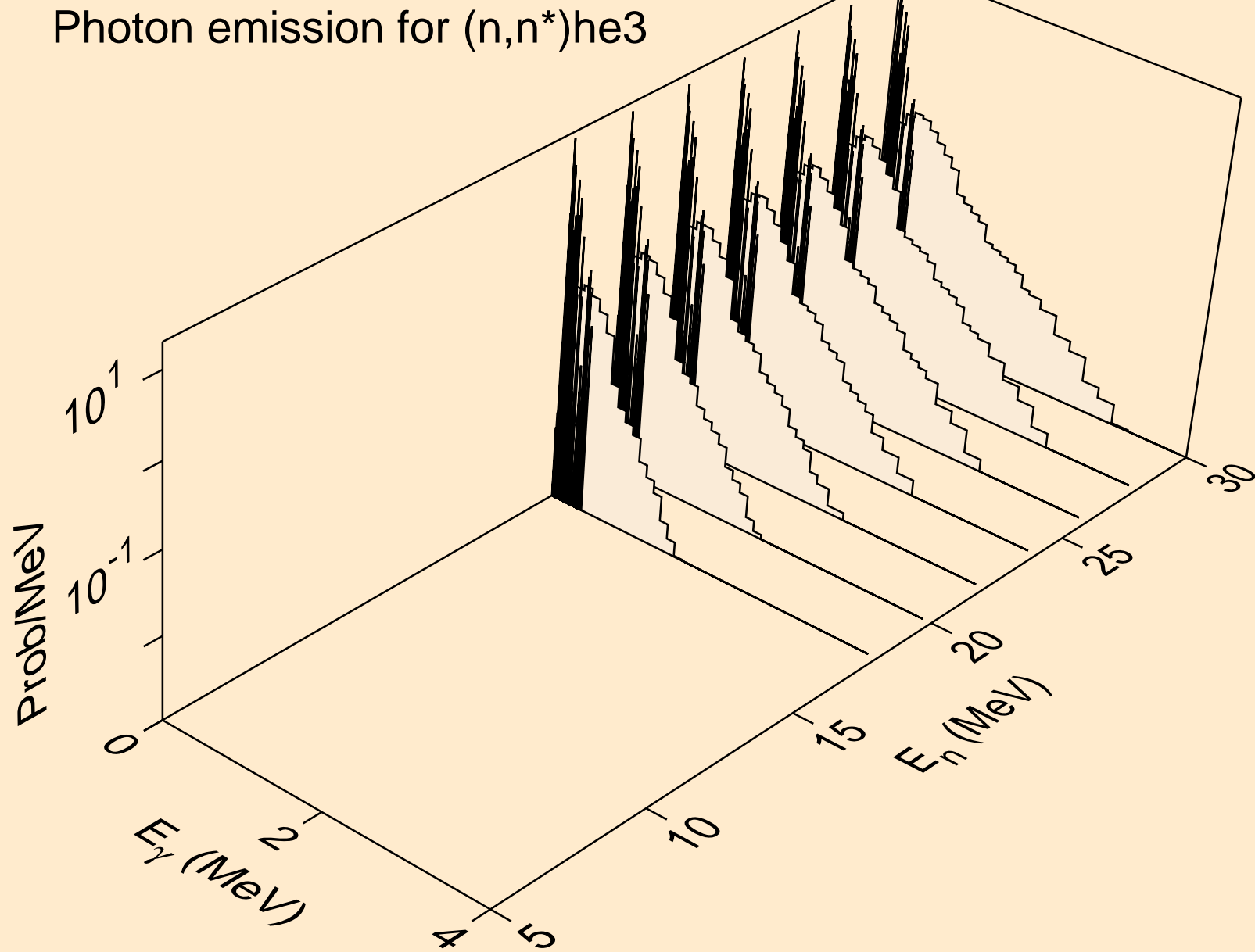
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



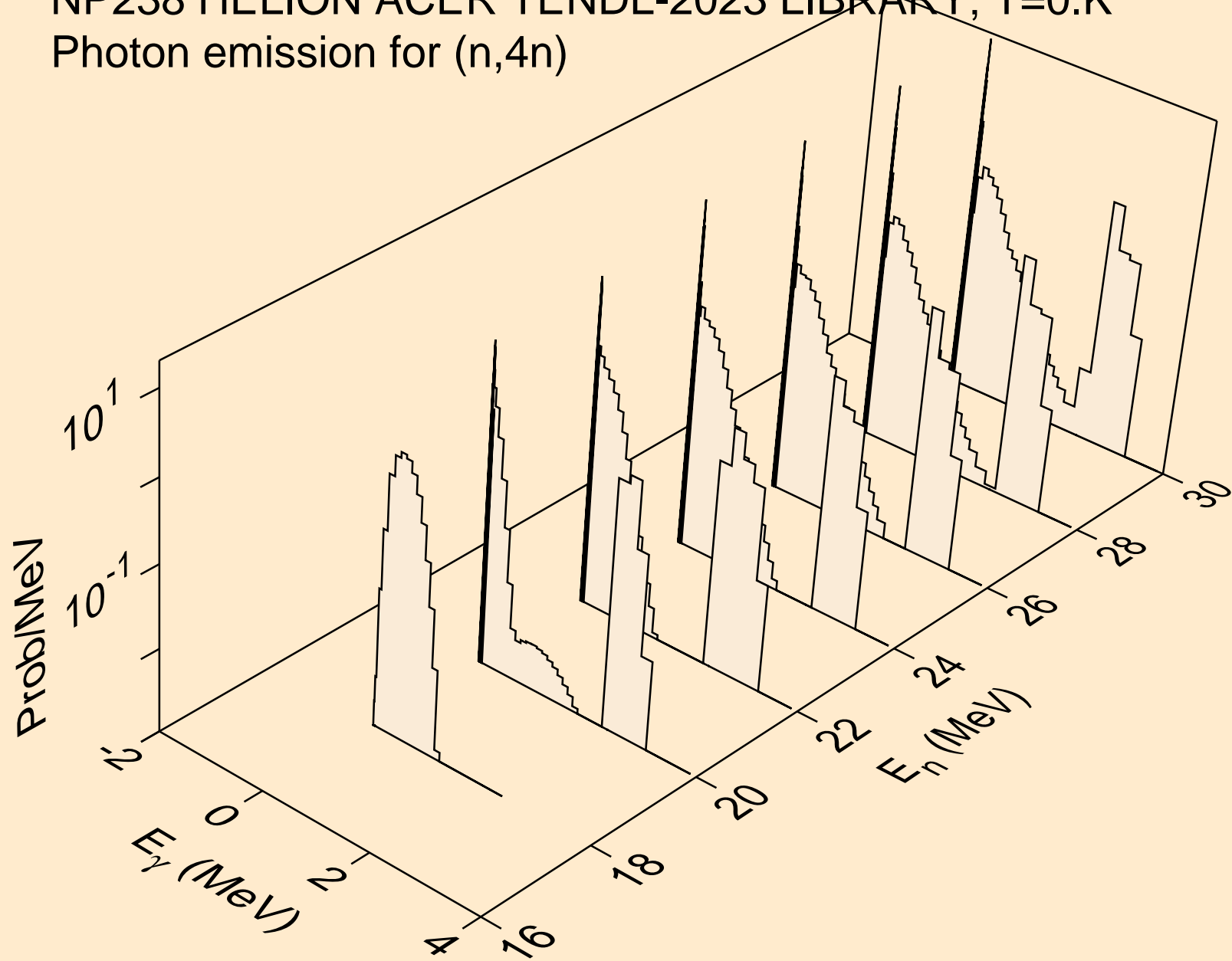
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



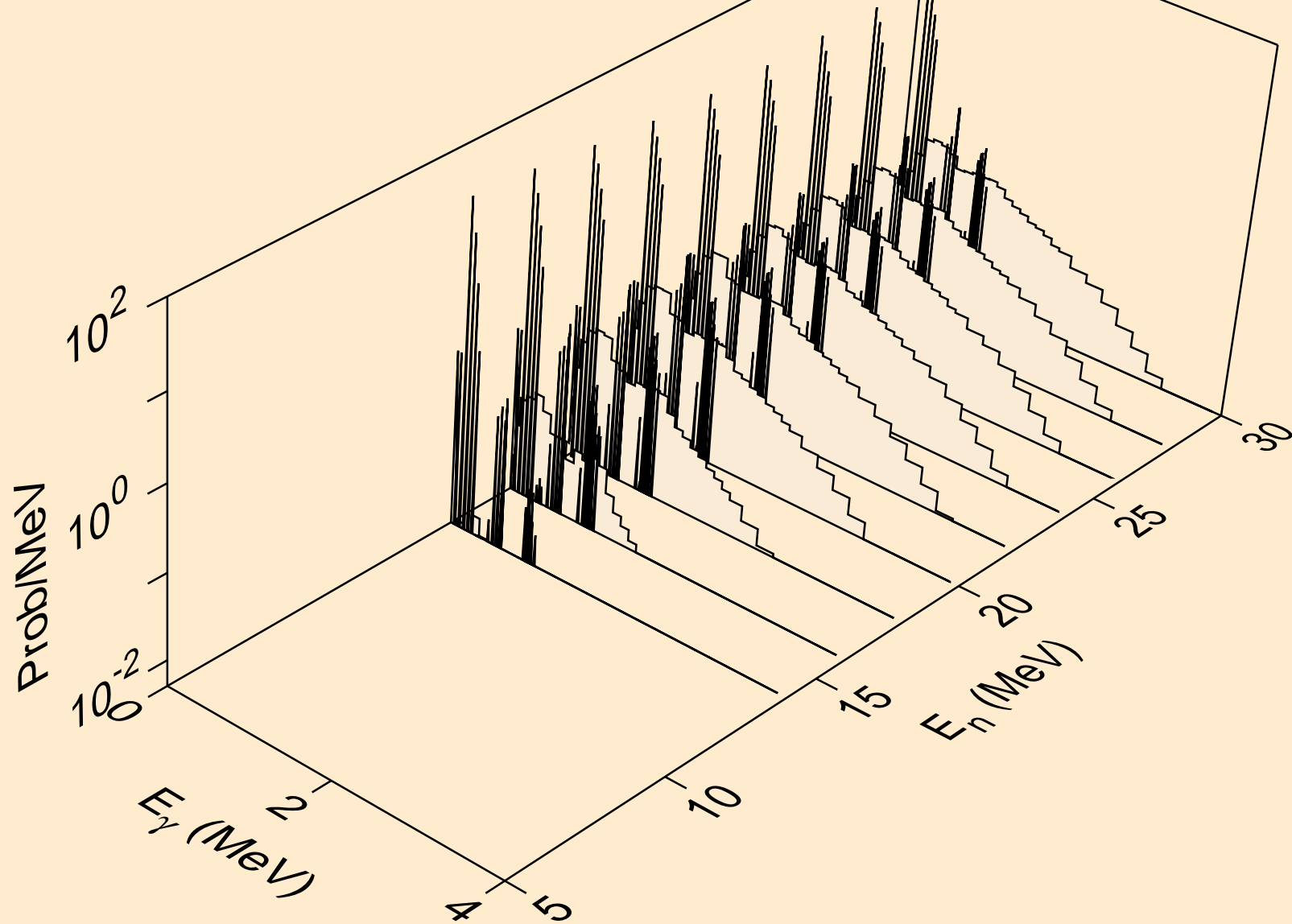
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



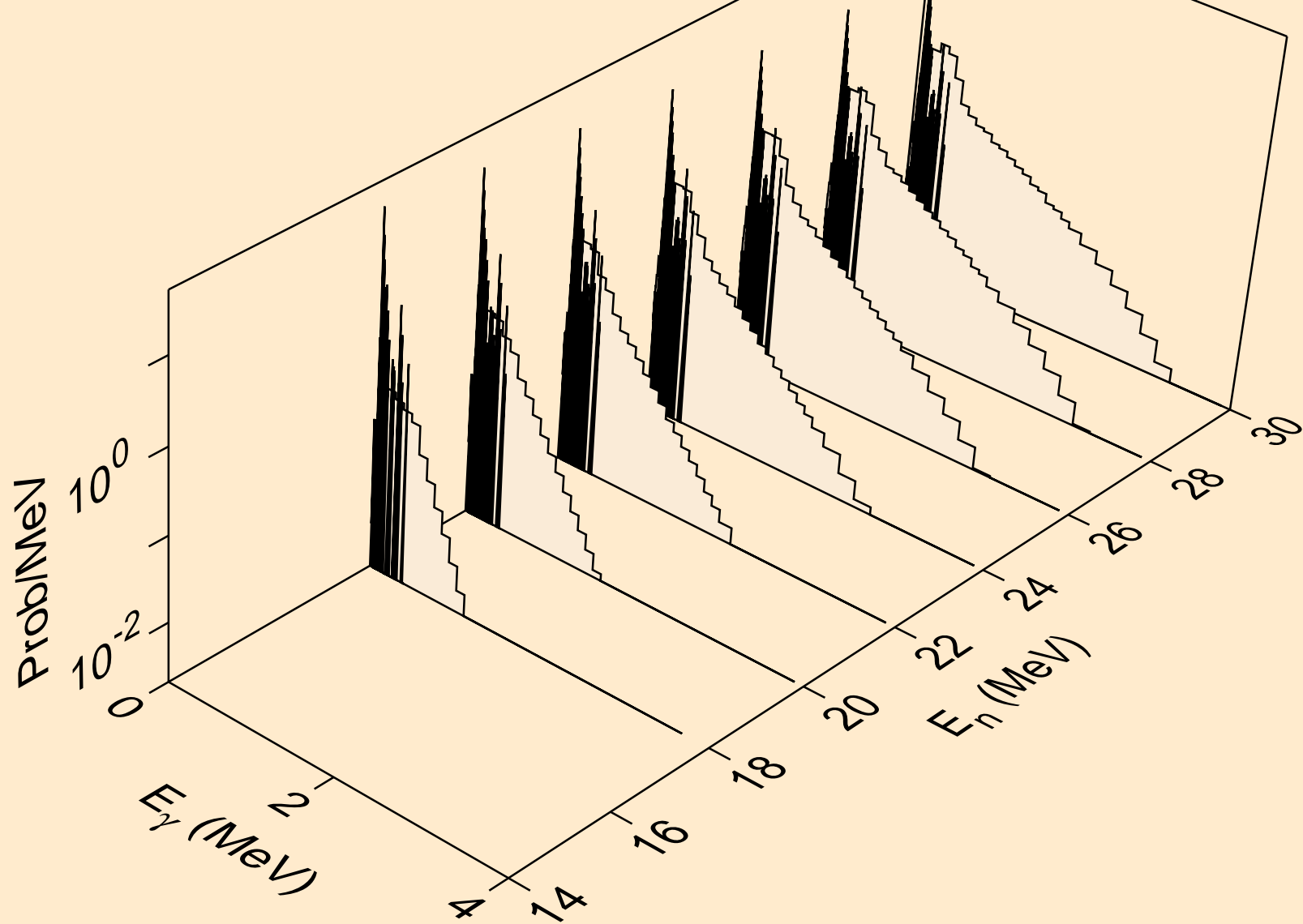
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Photon emission for (n,4n)



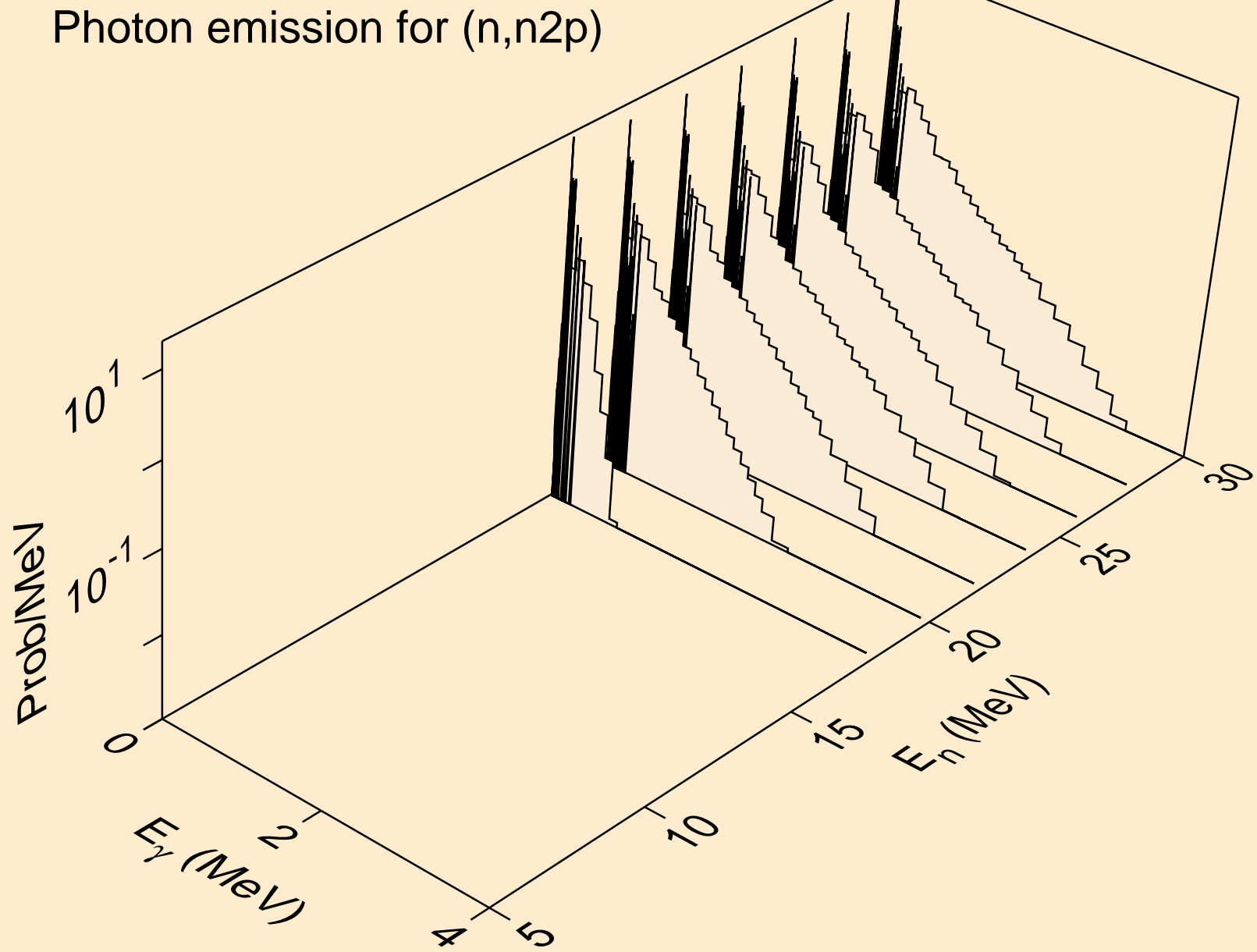
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)

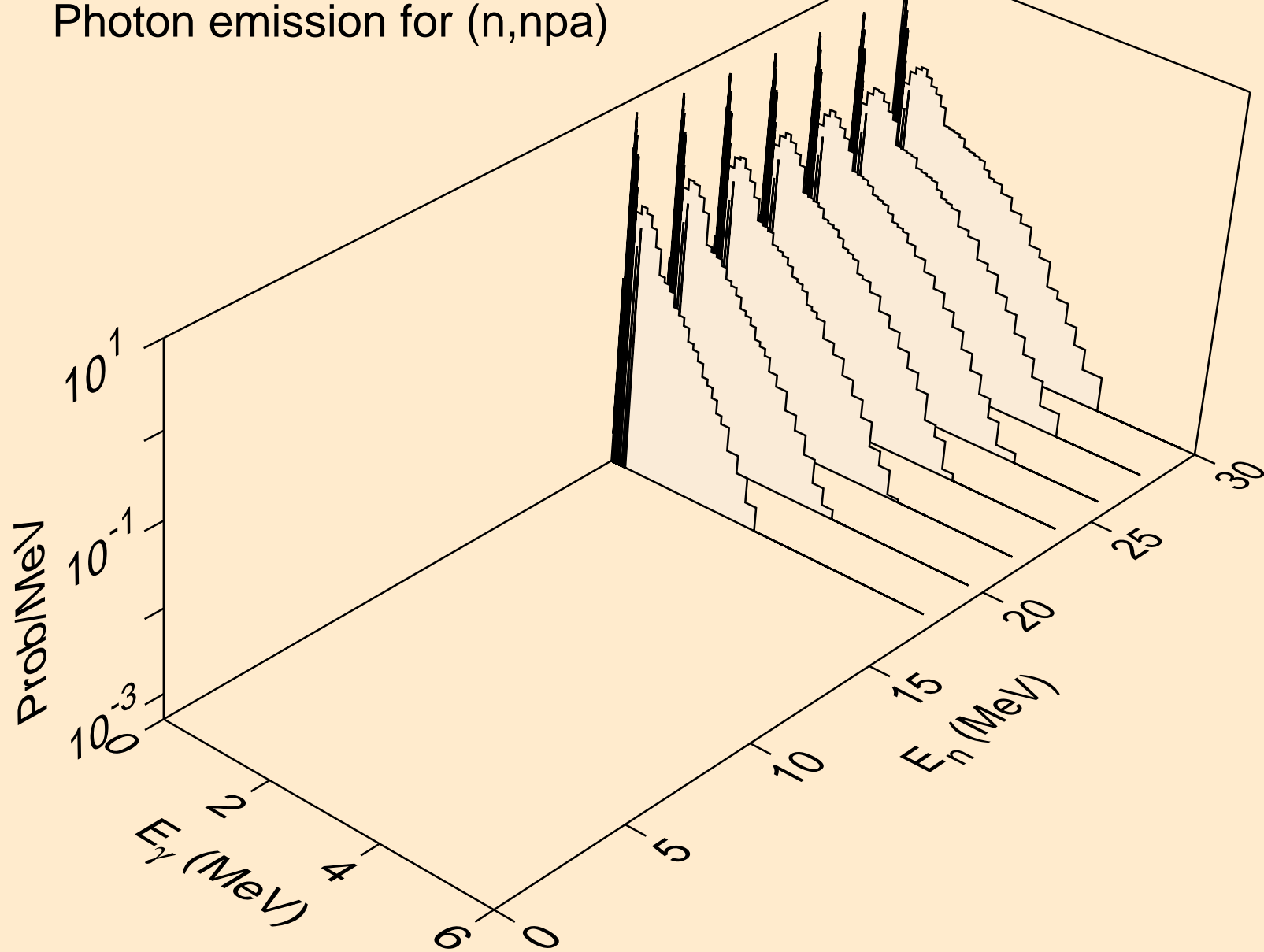


NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)

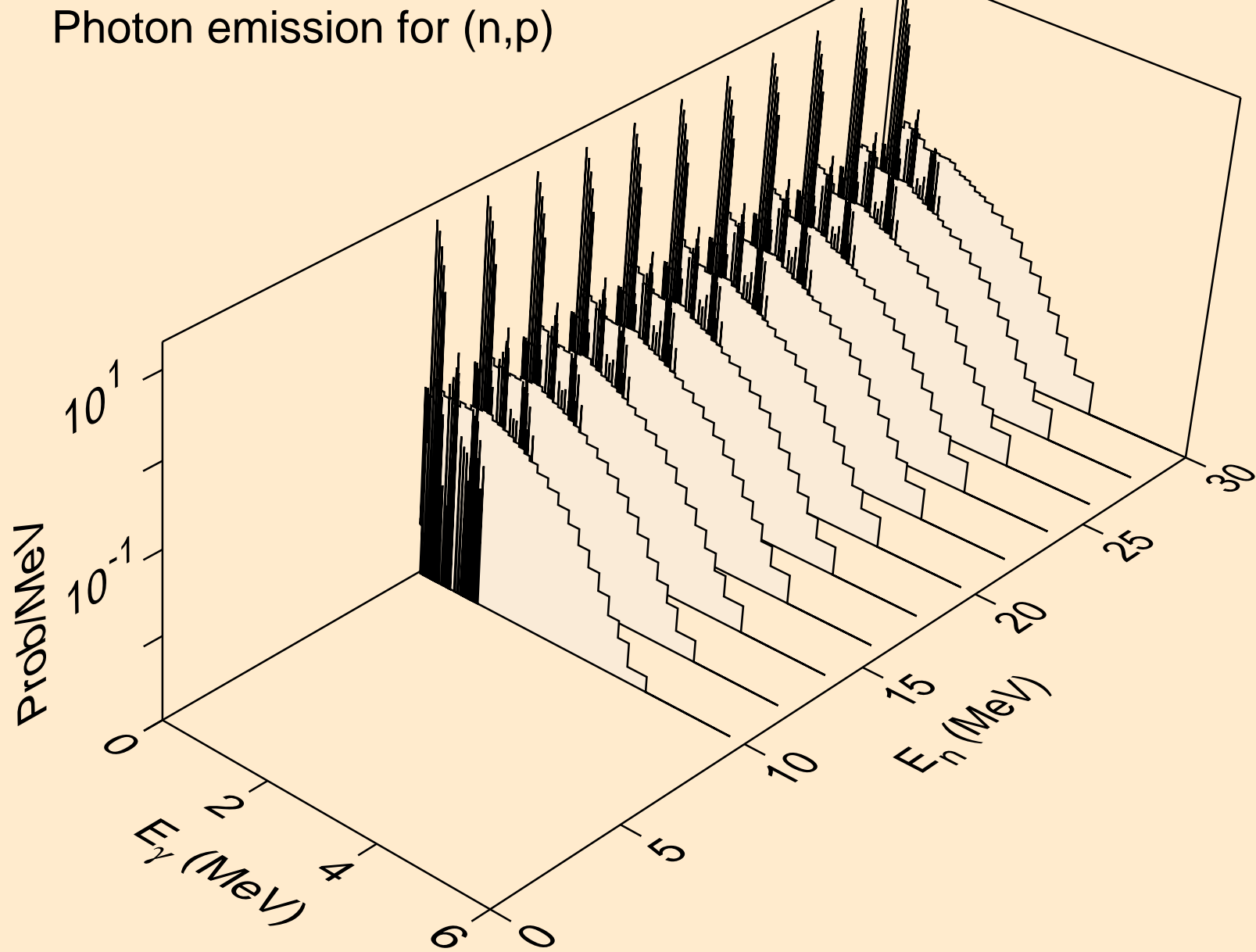




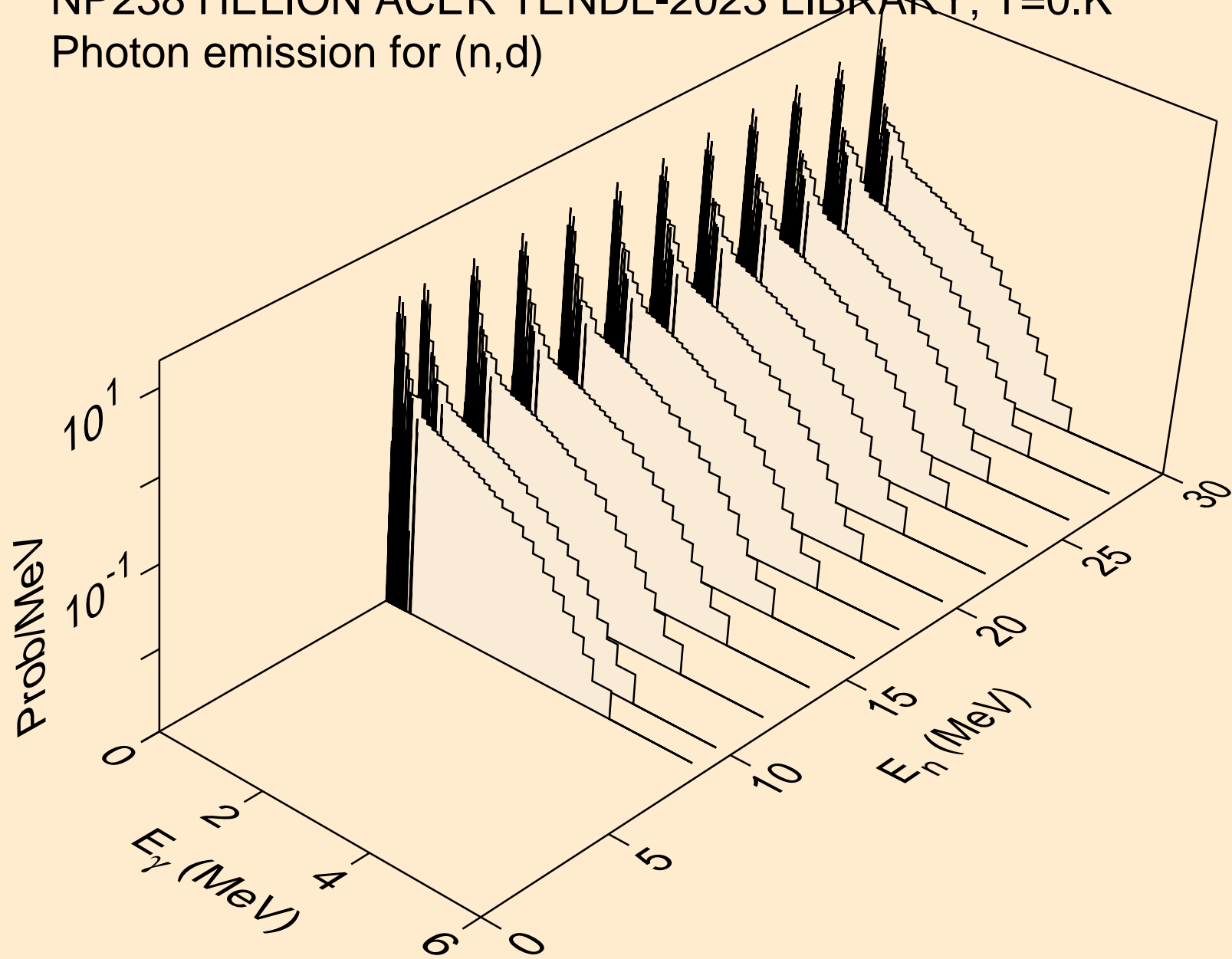
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Photon emission for (n,npa)



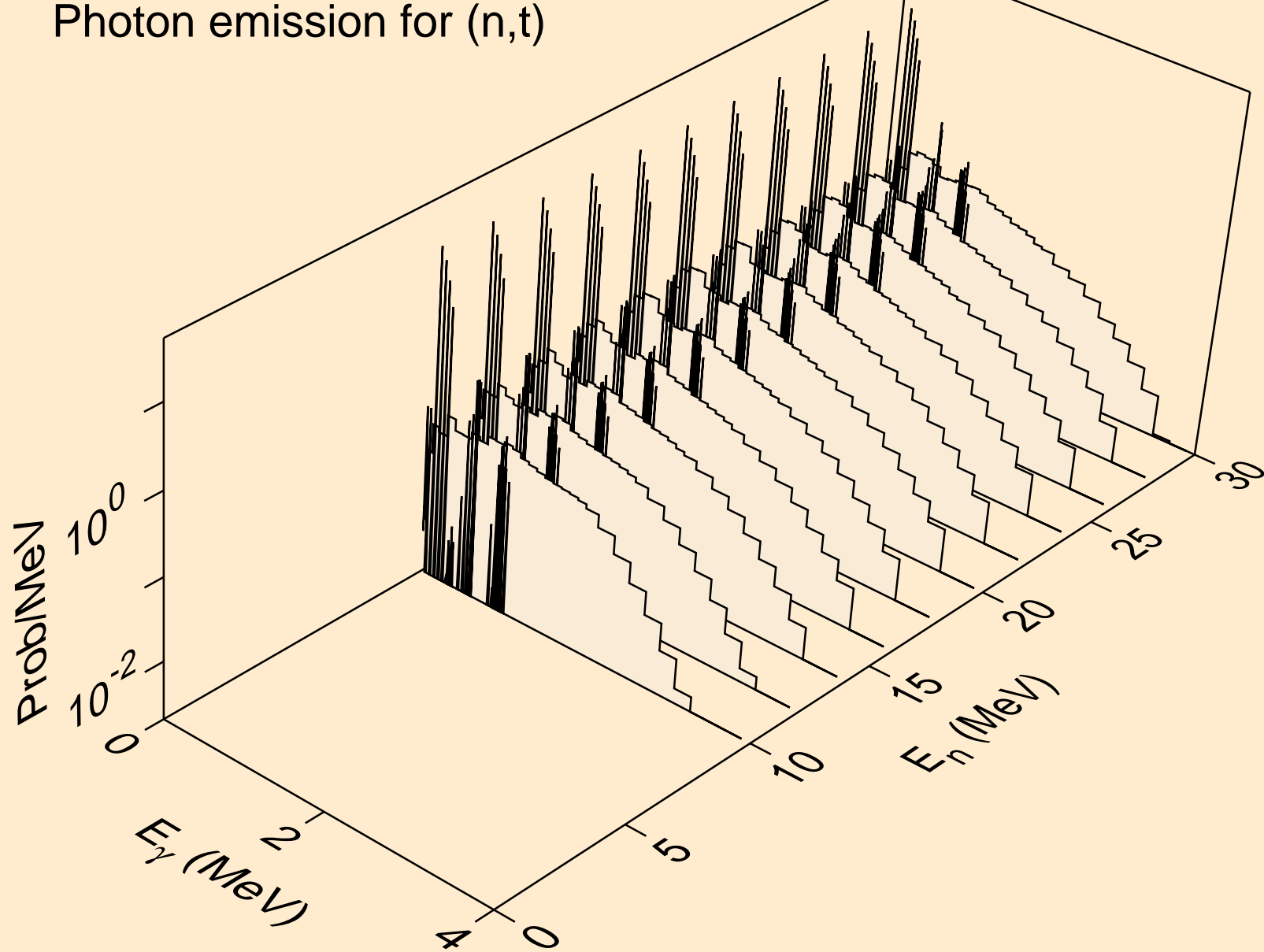
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Photon emission for (n,p)



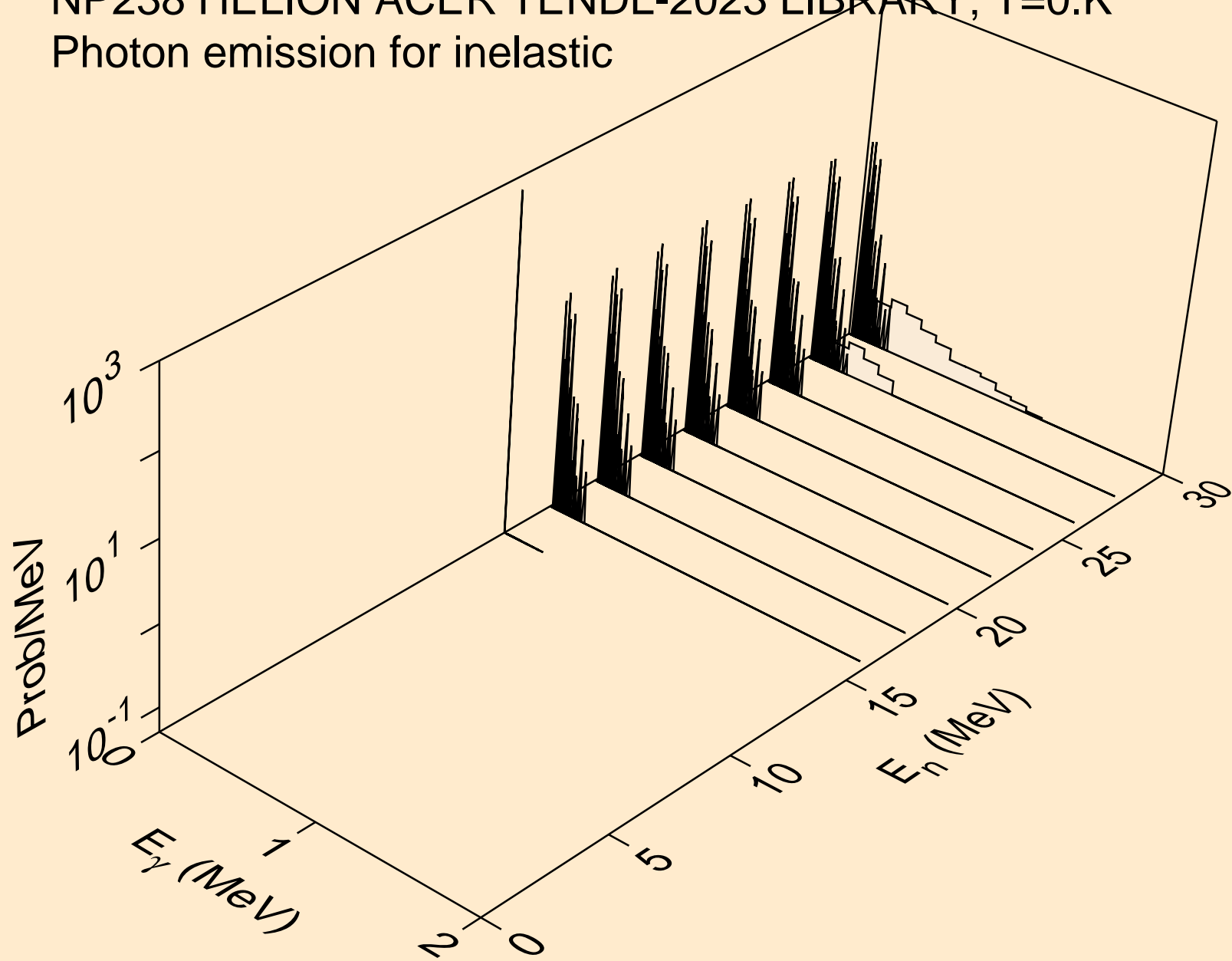
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Photon emission for (n,d)



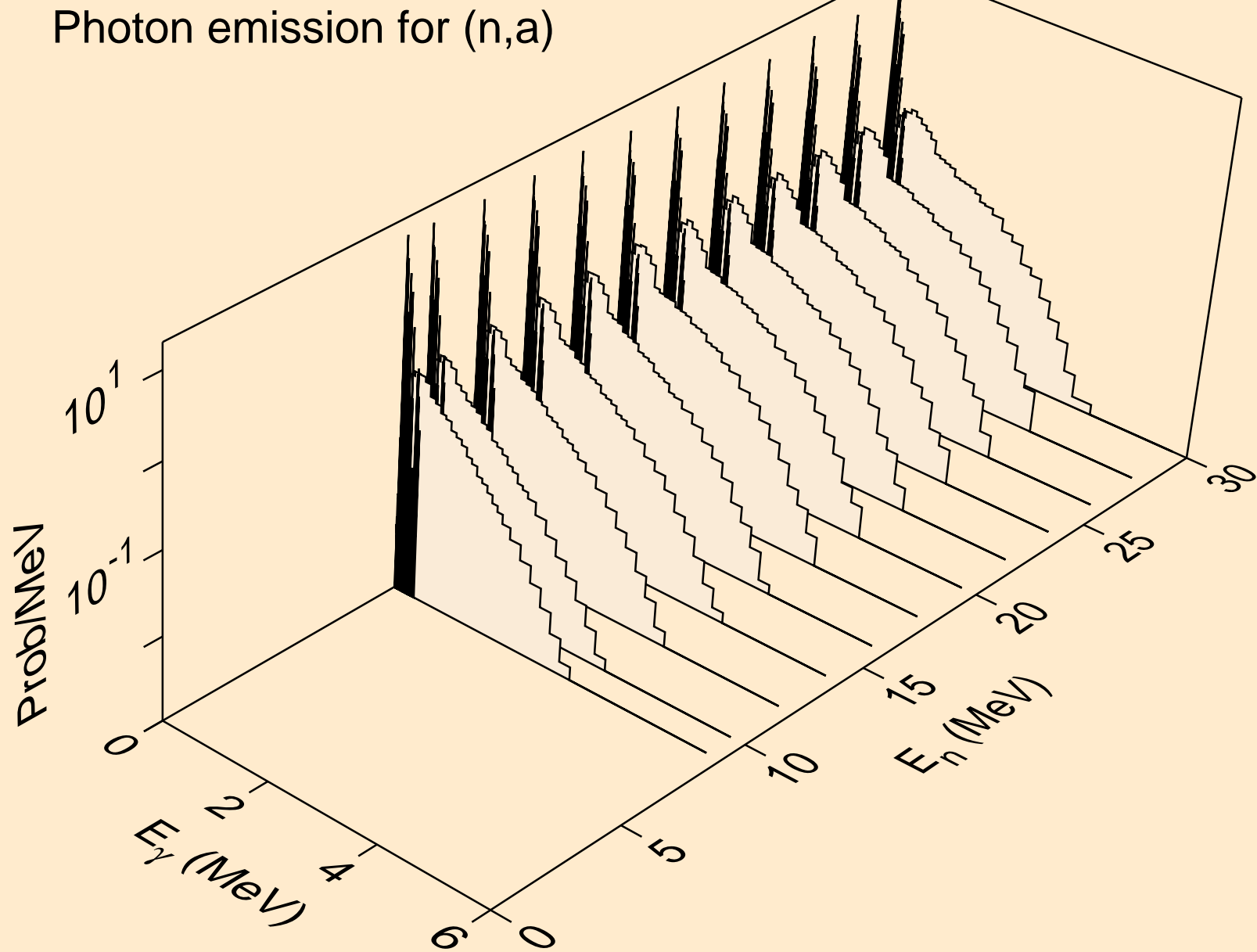
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Photon emission for (n,t)



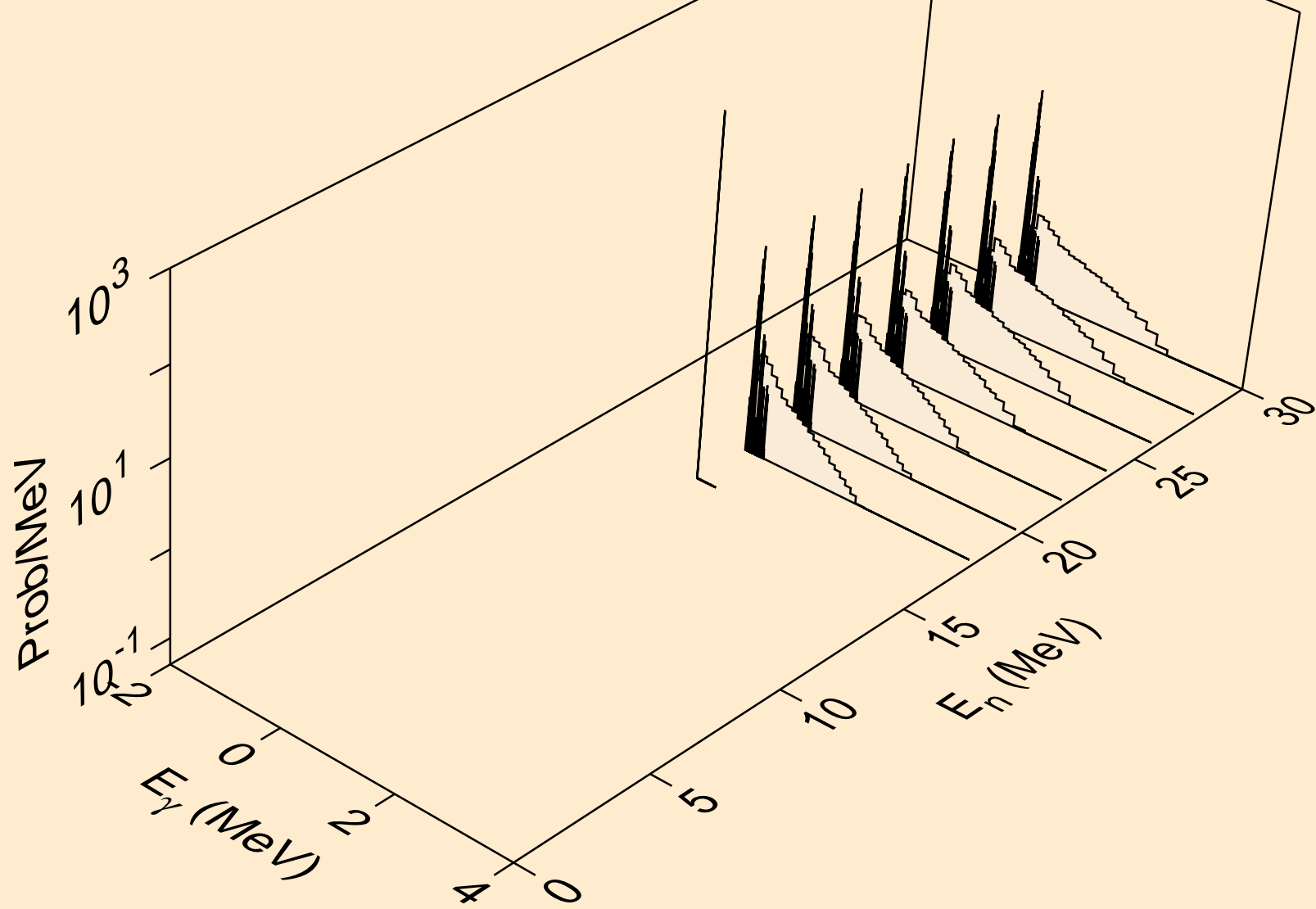
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



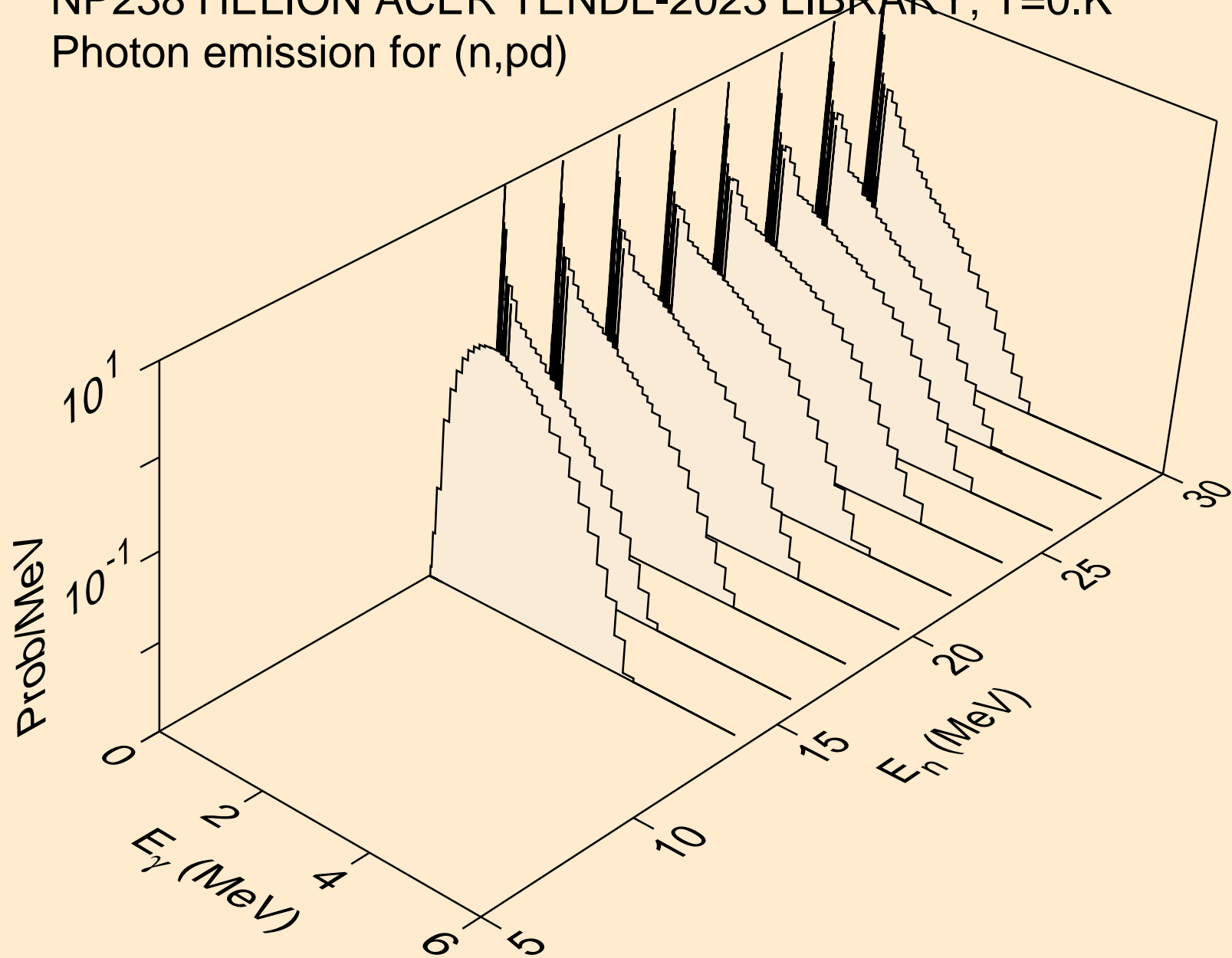
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)

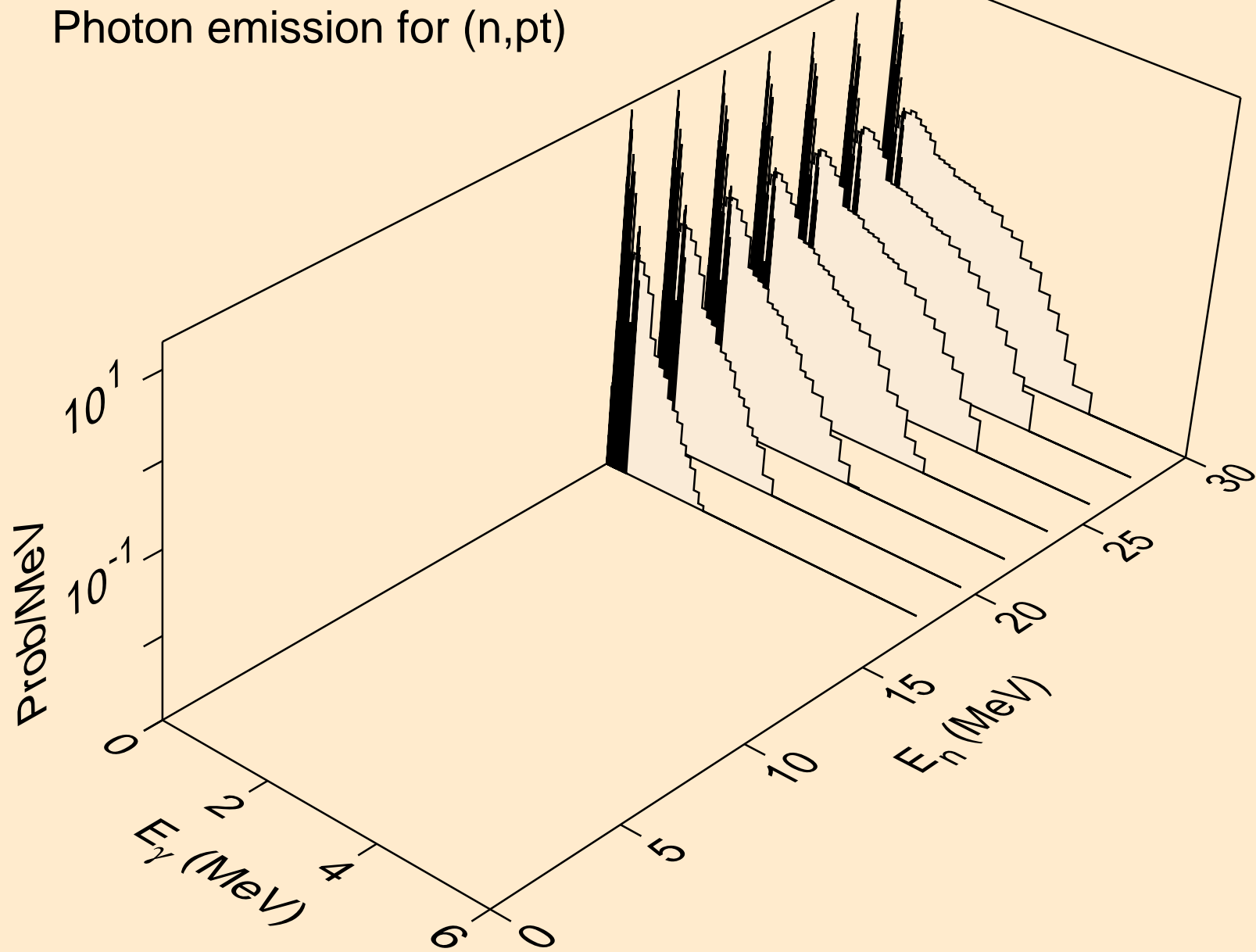


NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)

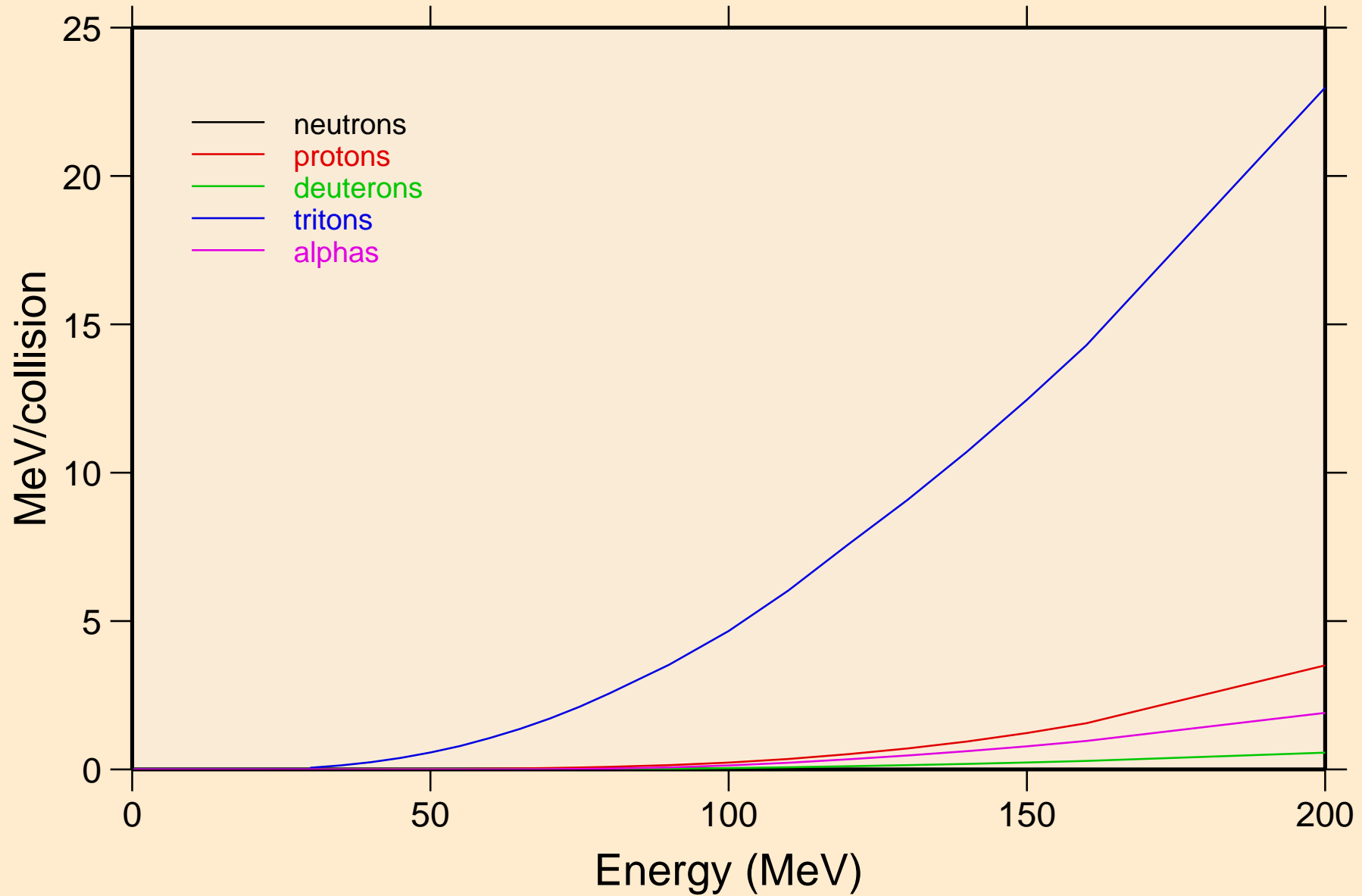




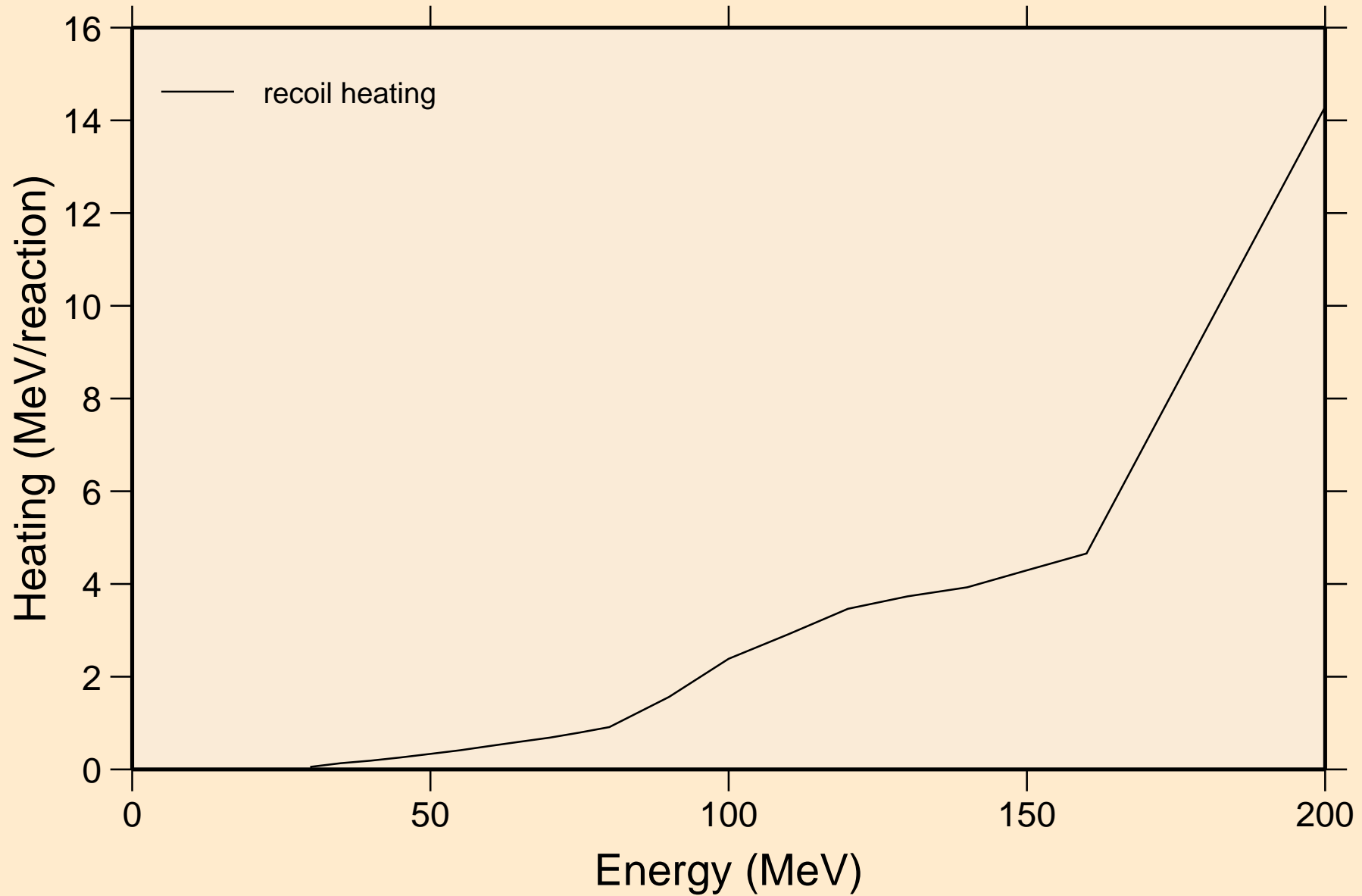
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Photon emission for (n,pt)



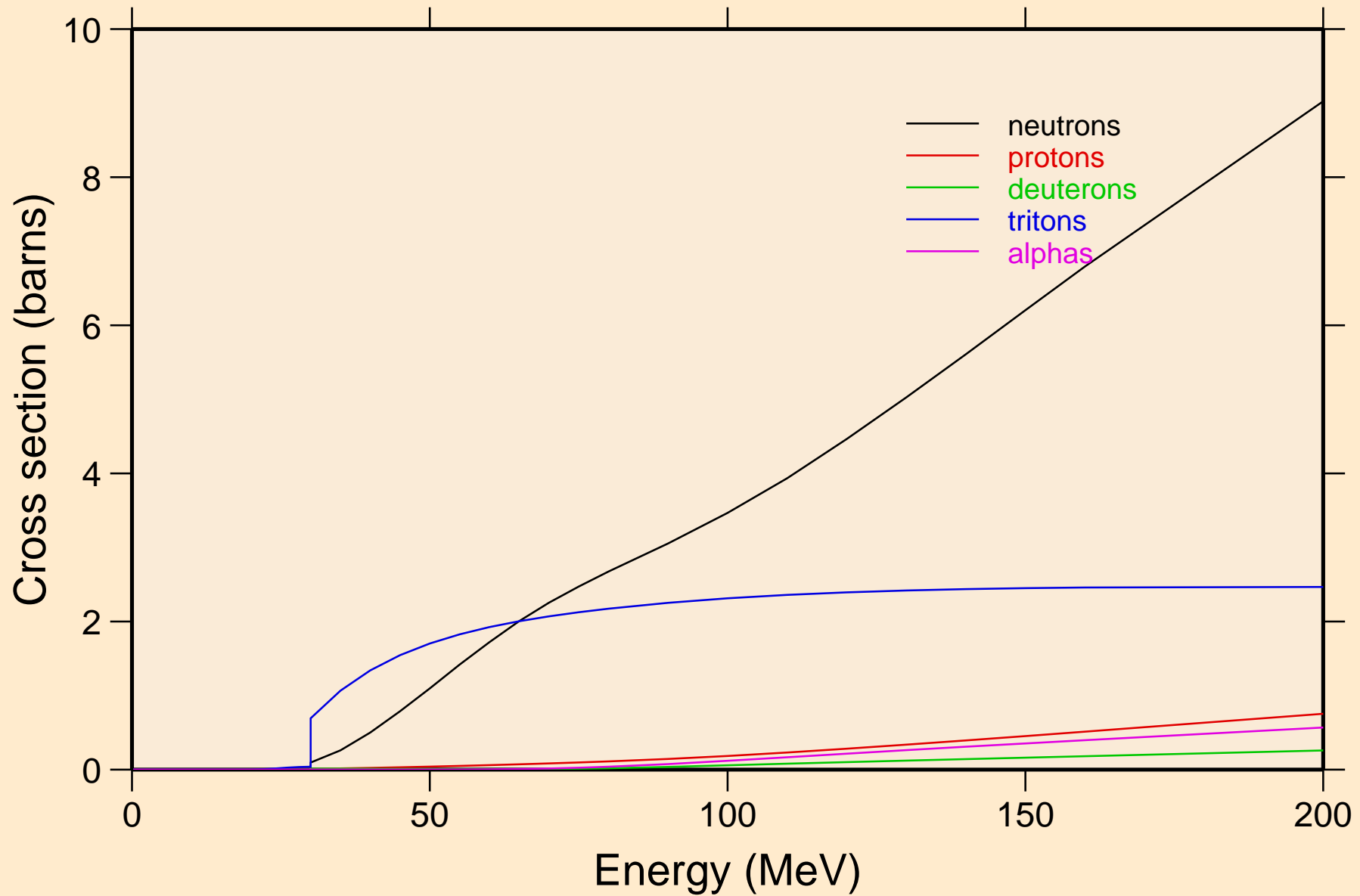
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions



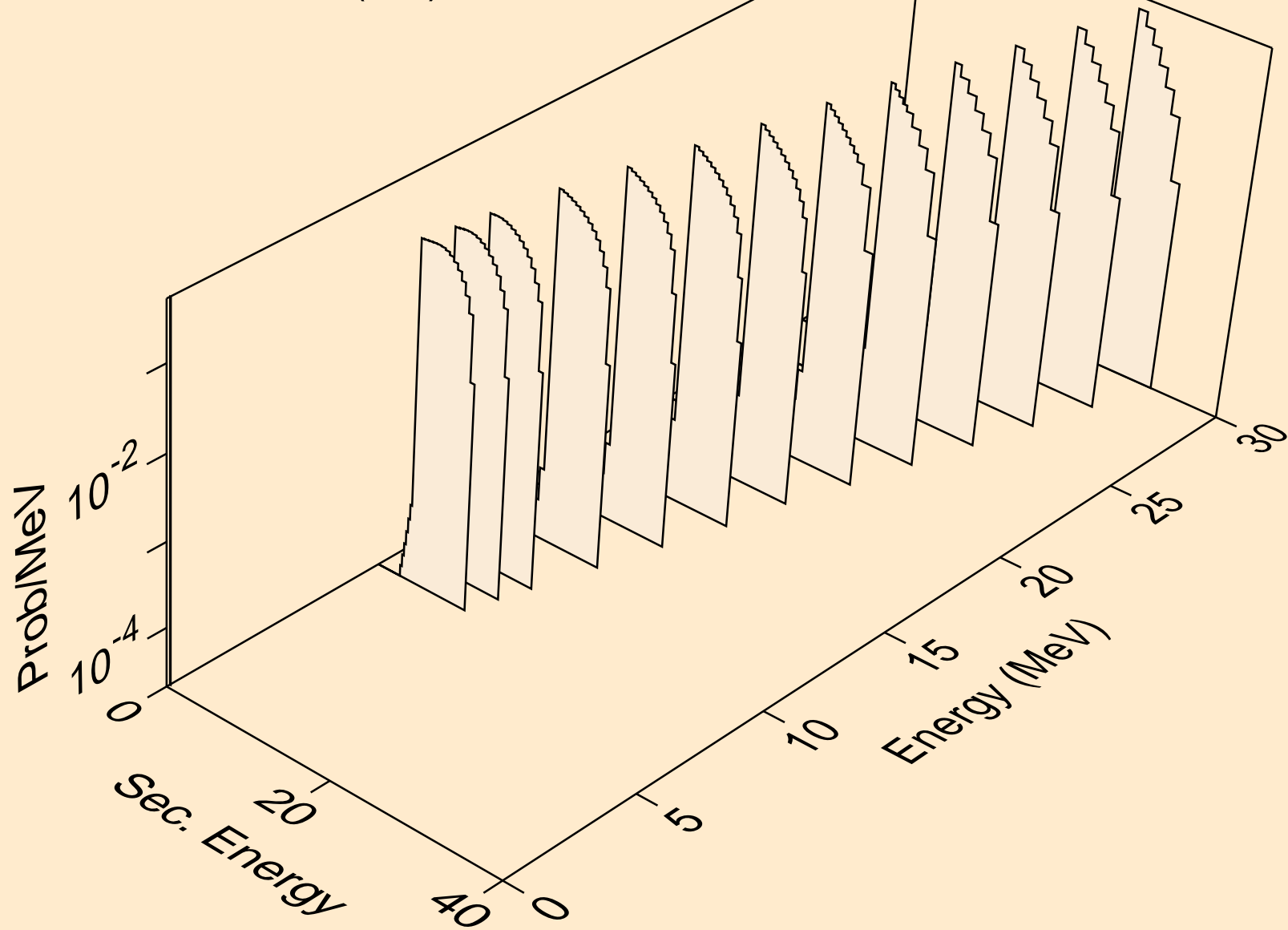
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Recoil Heating



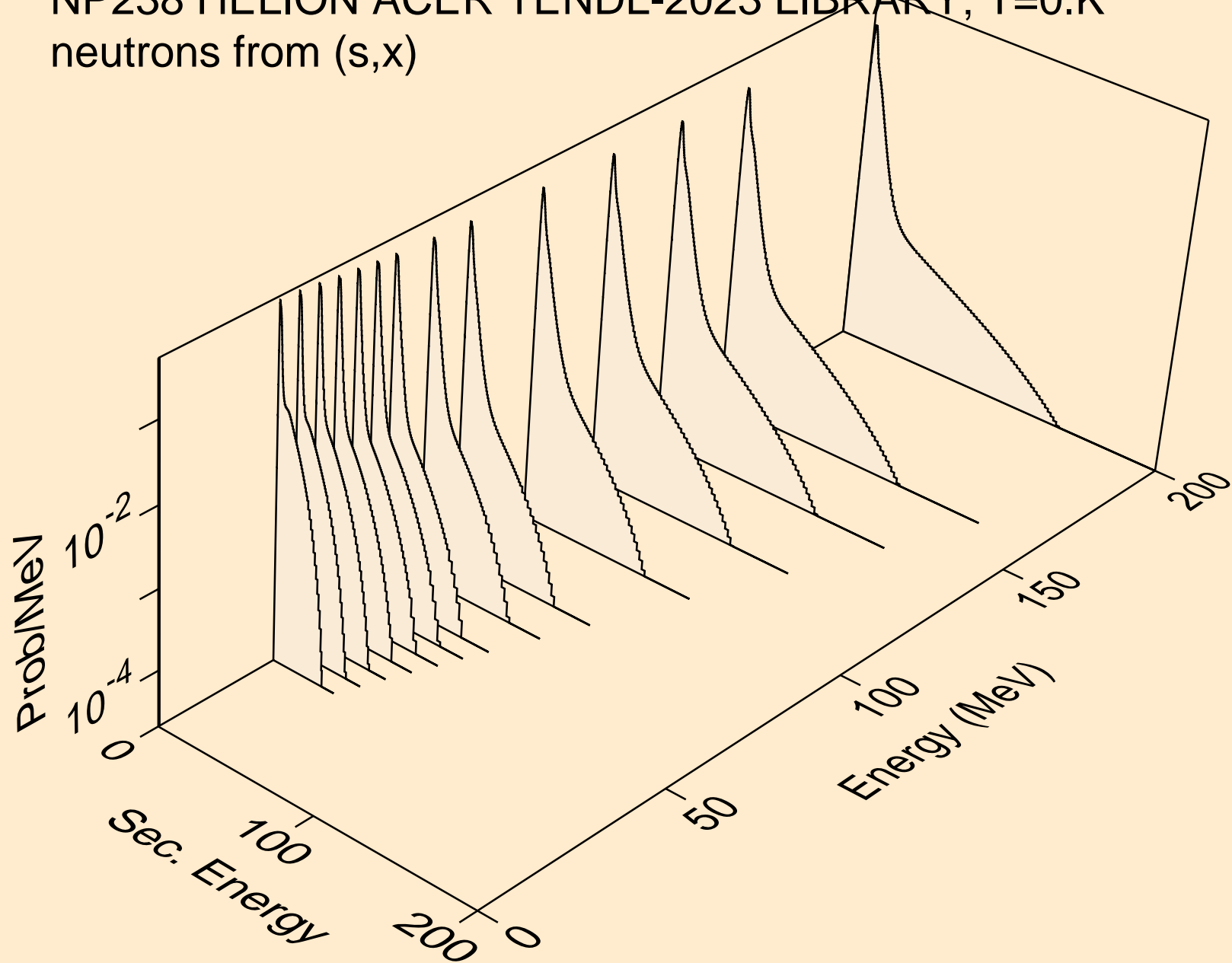
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Particle production cross sections



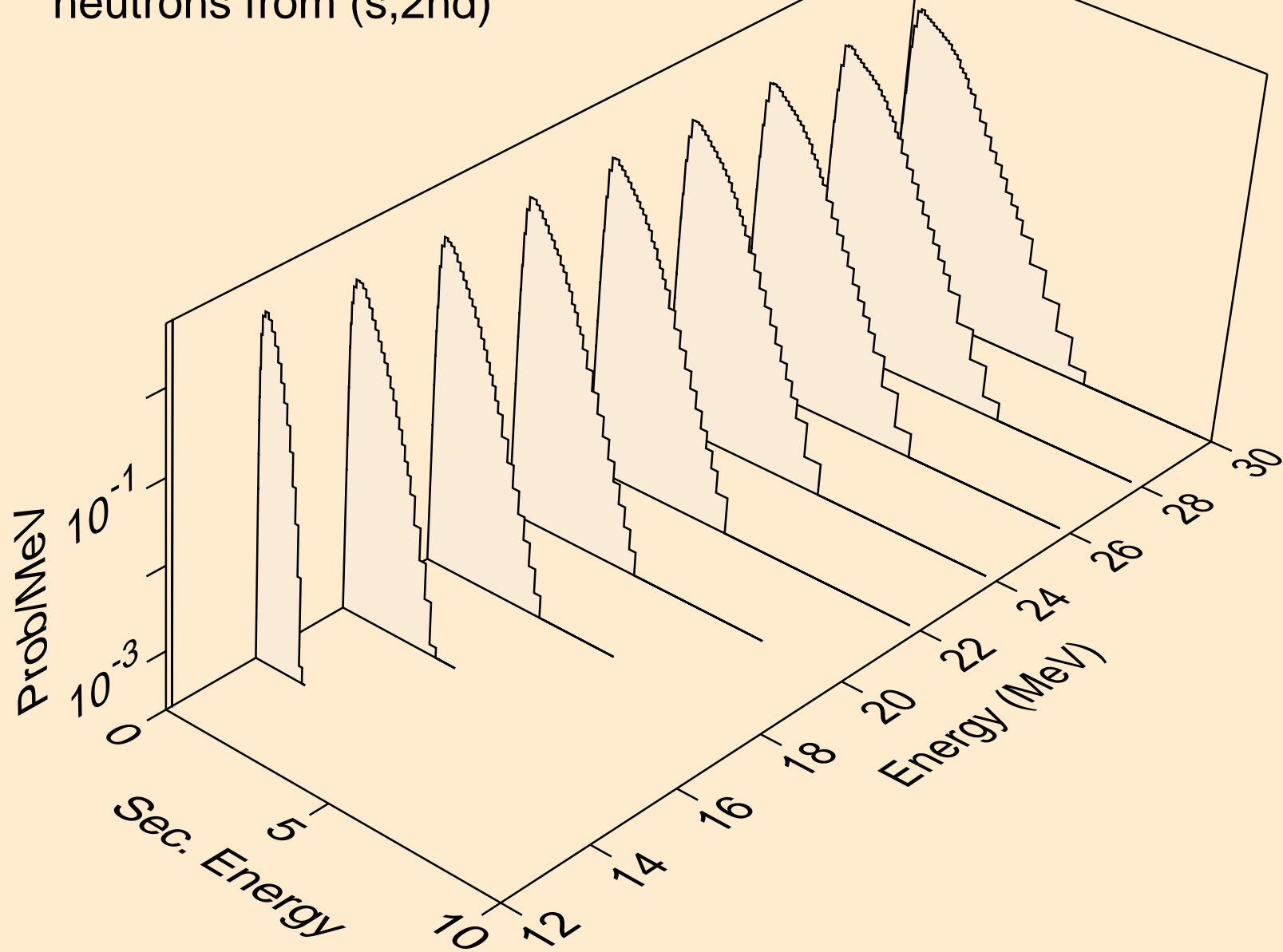
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



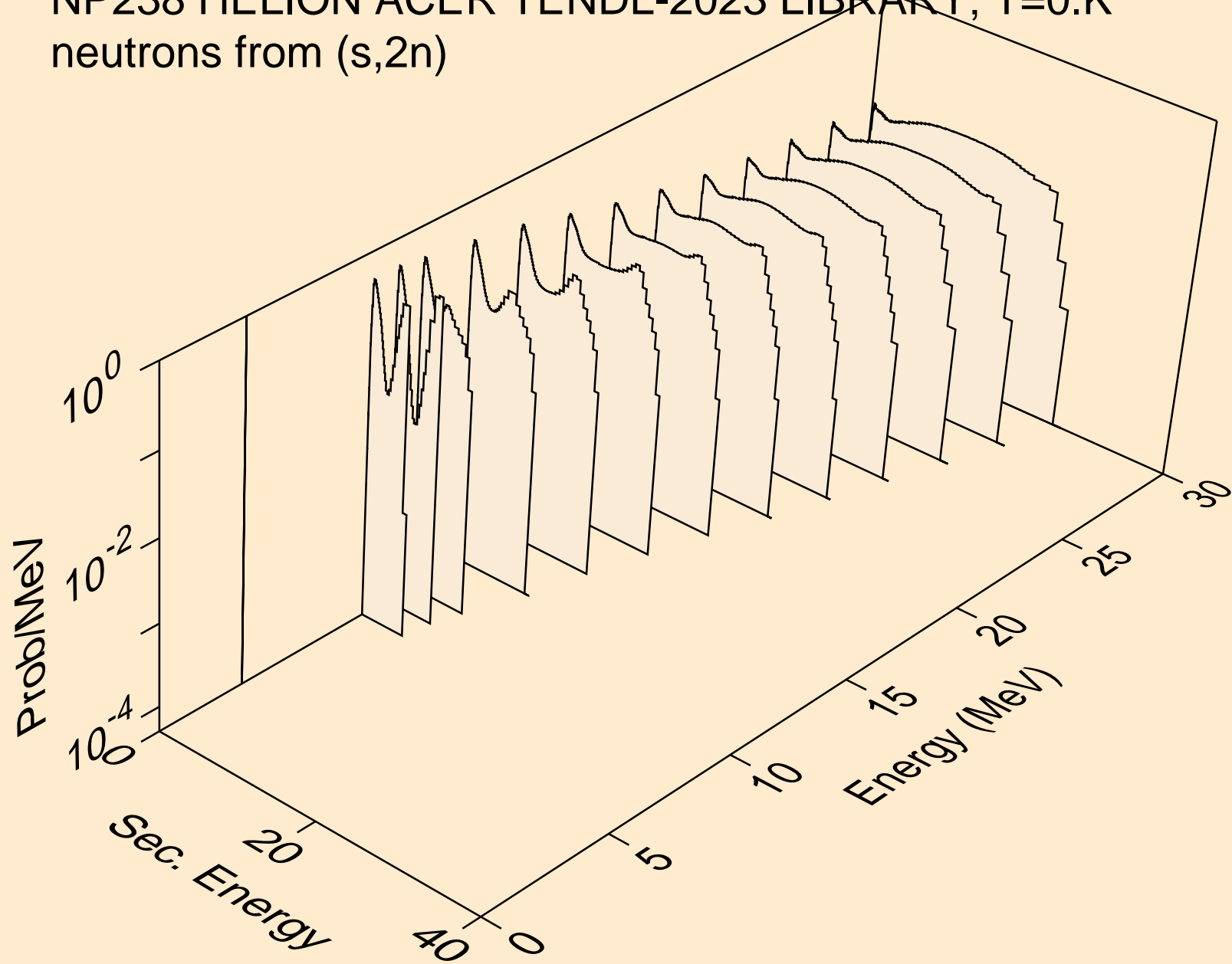
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,x)



NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2nd)

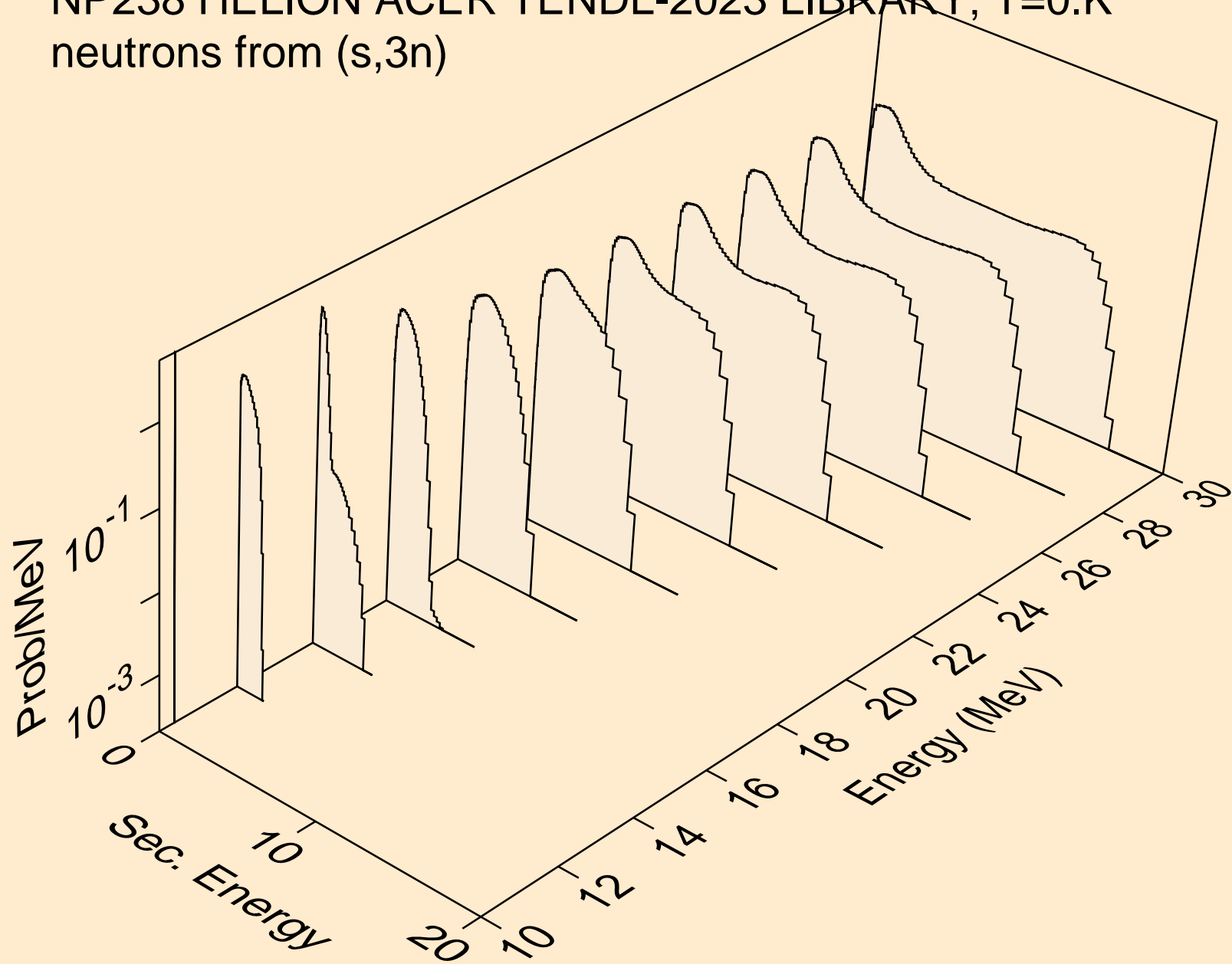


NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)

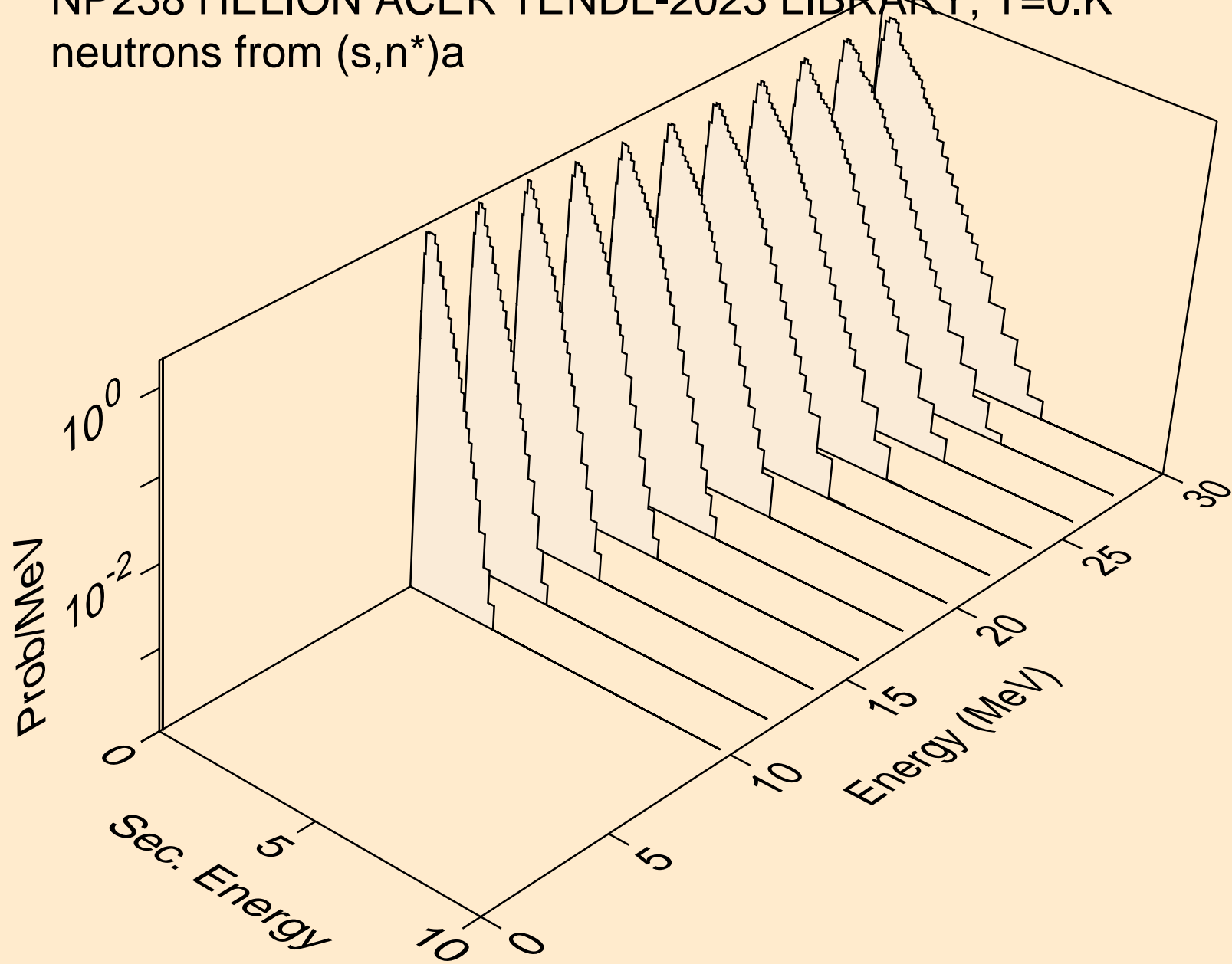




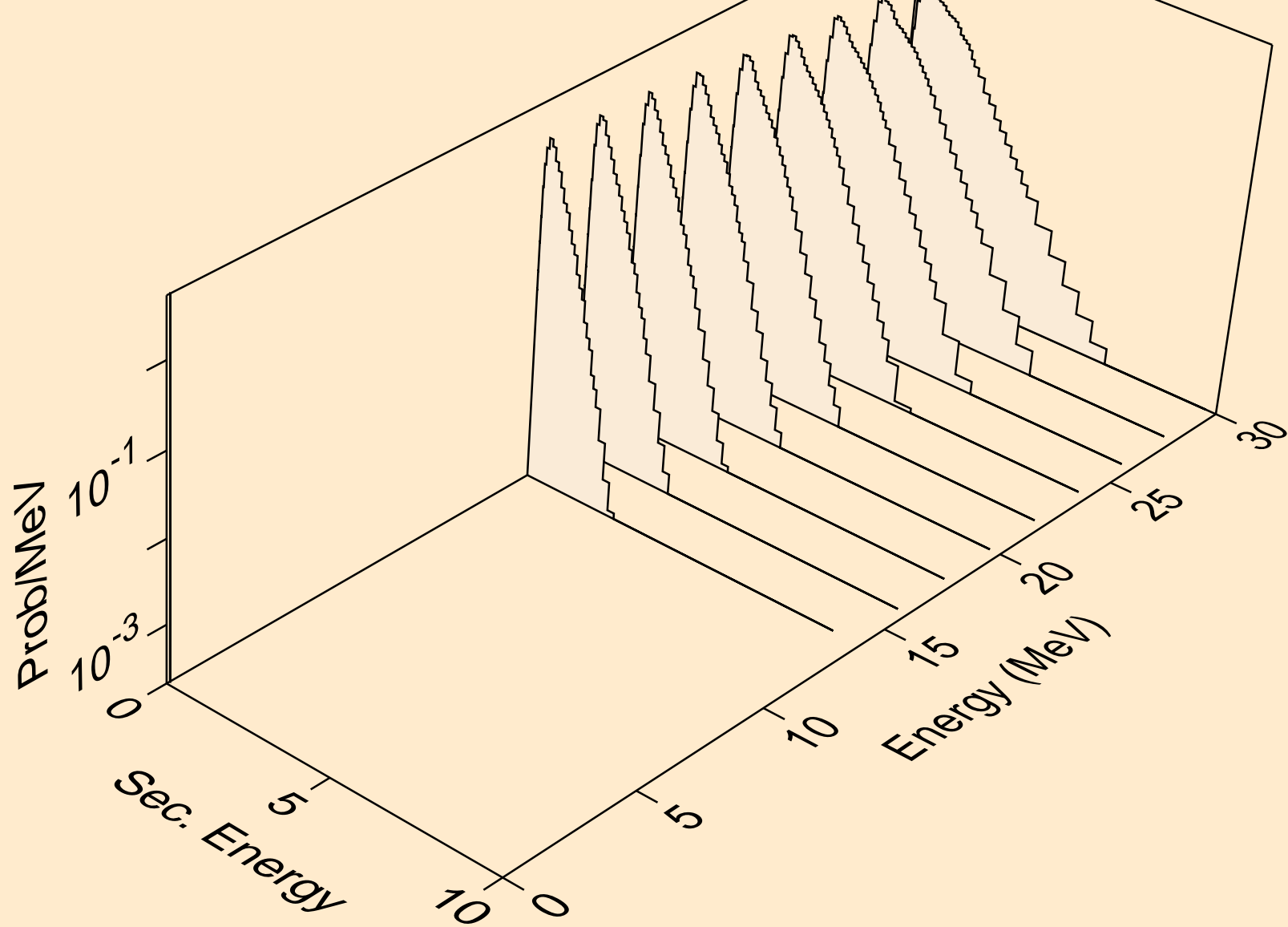
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neutrons from (s,3n)



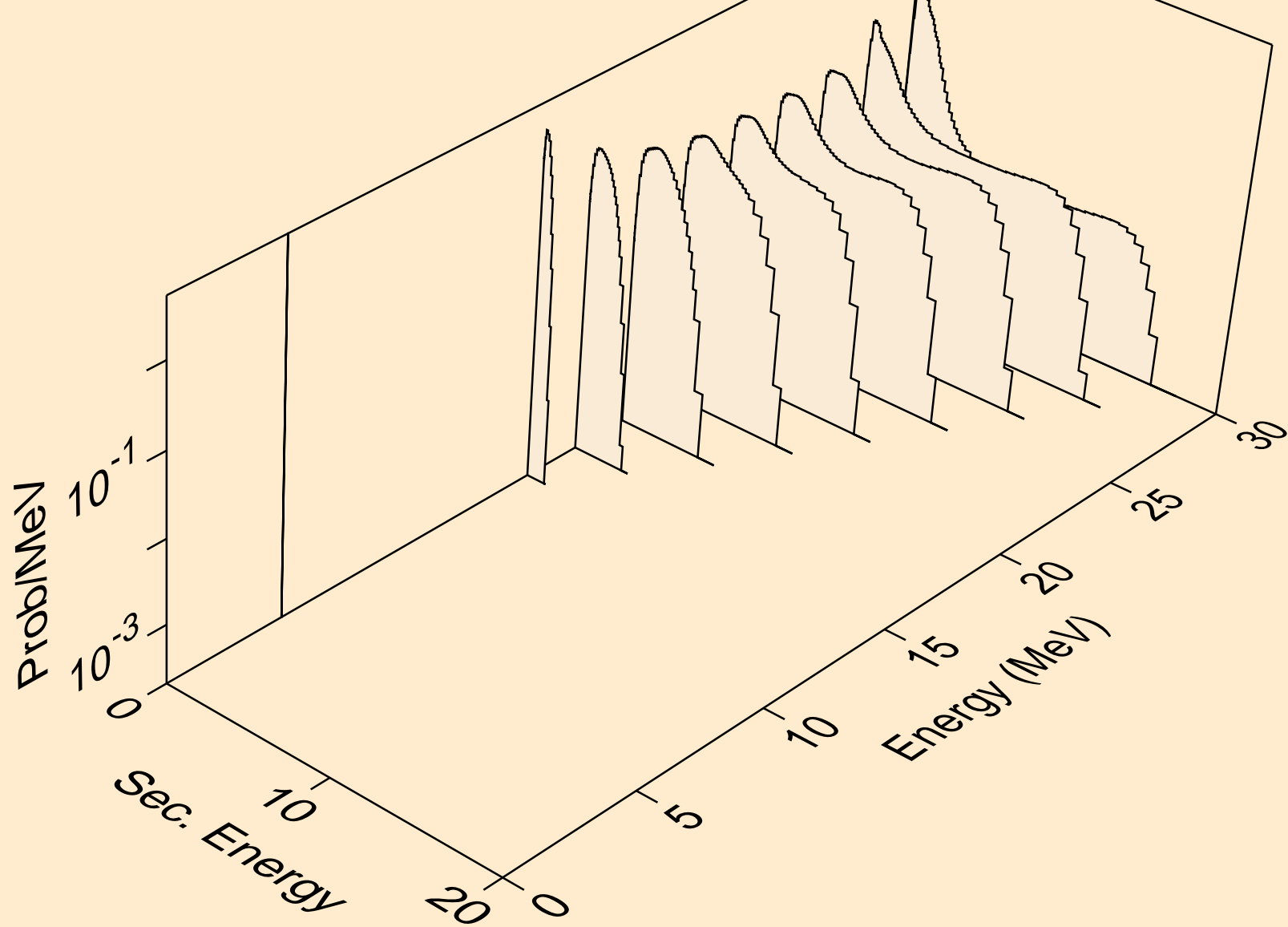
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a



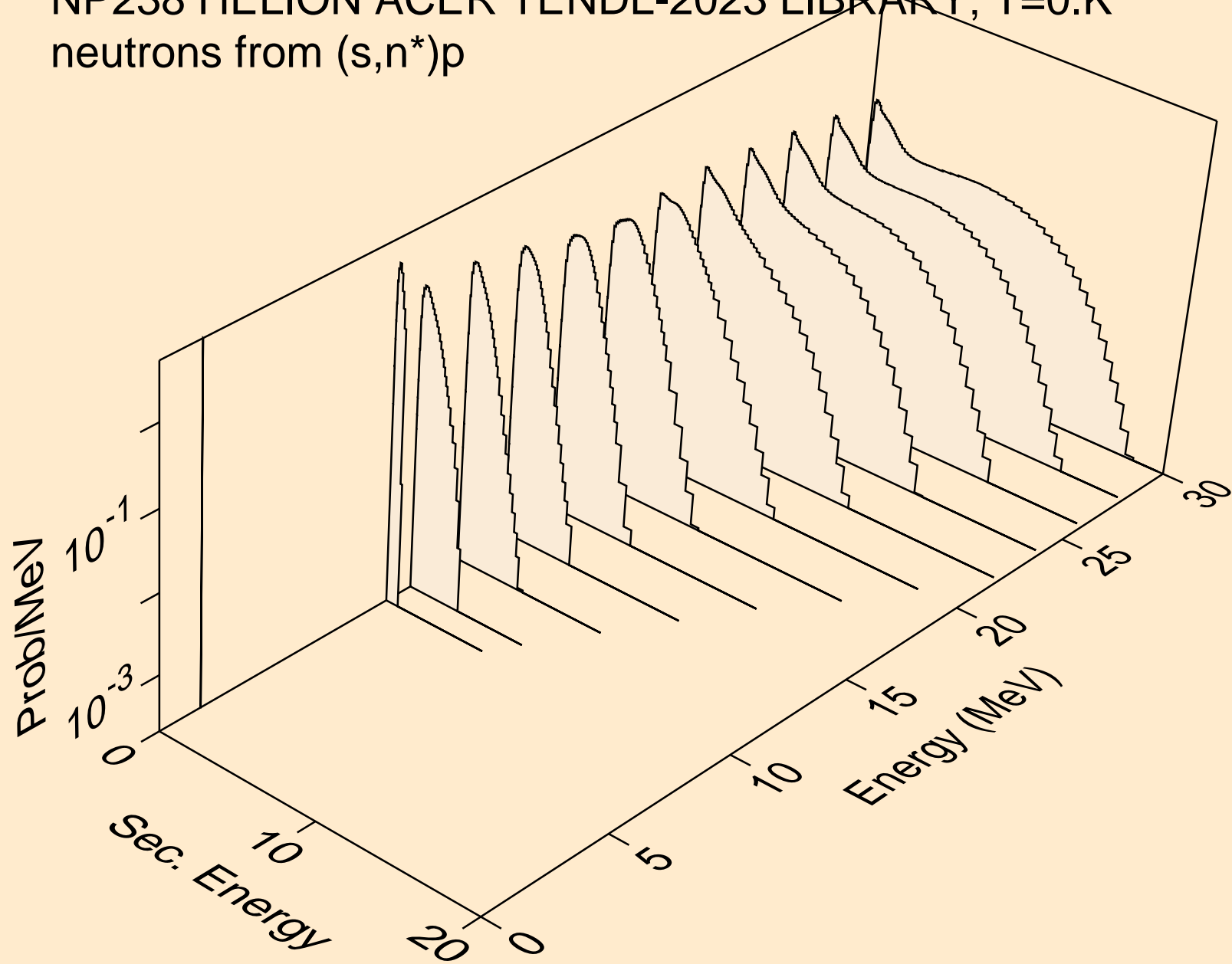
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neutrons from (s,2n)a



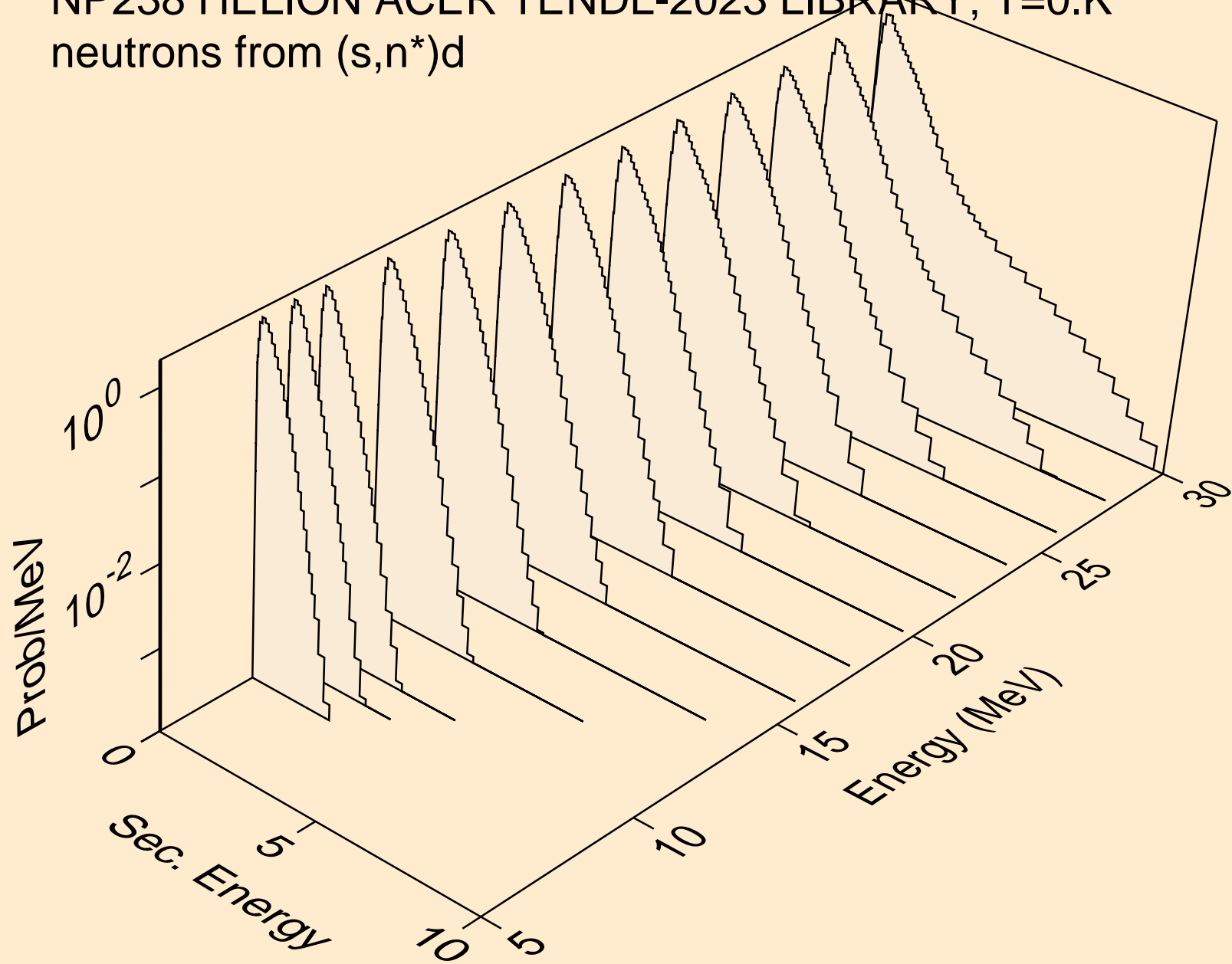
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neutrons from (s,3n)a



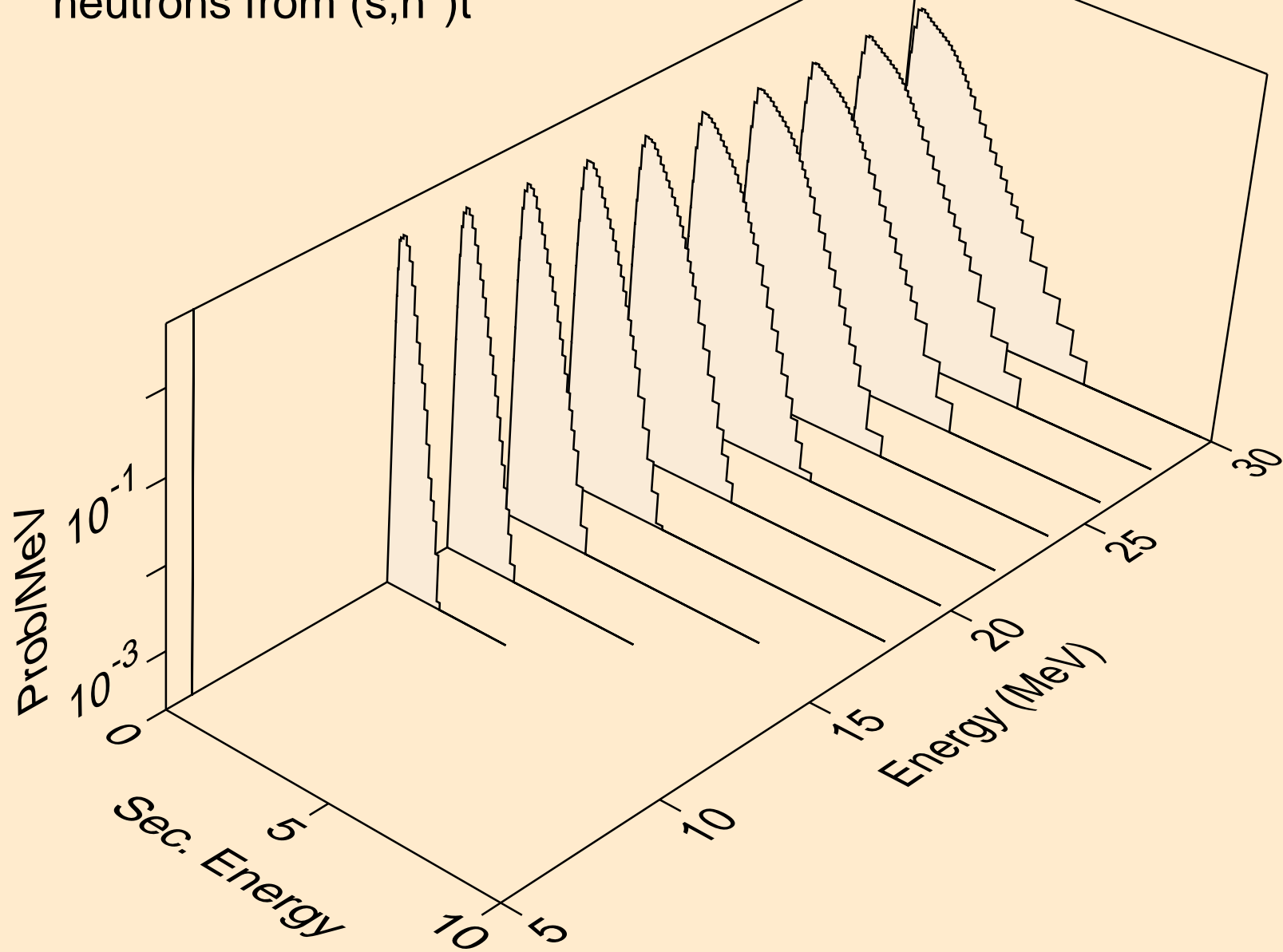
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)p



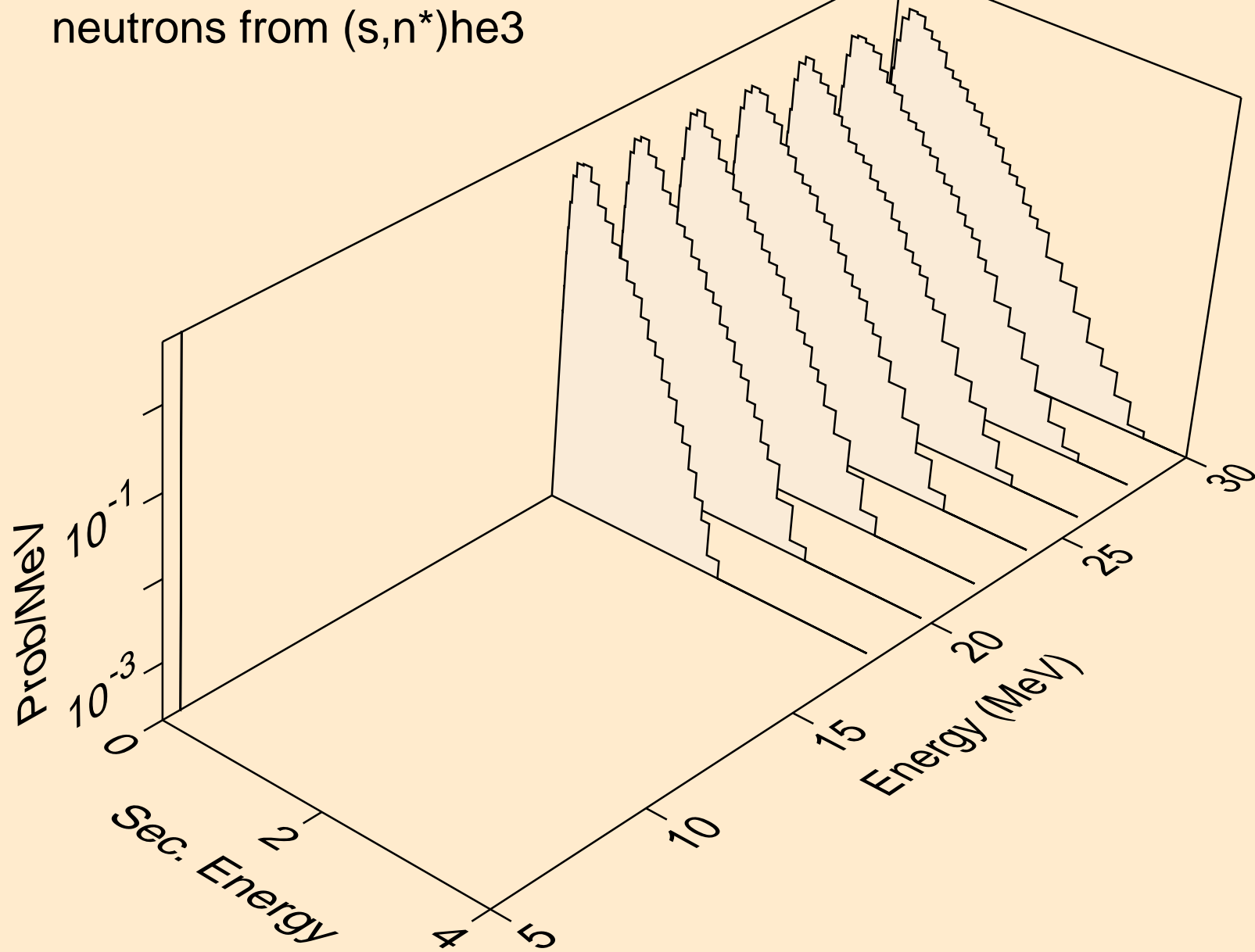
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)d



NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)t

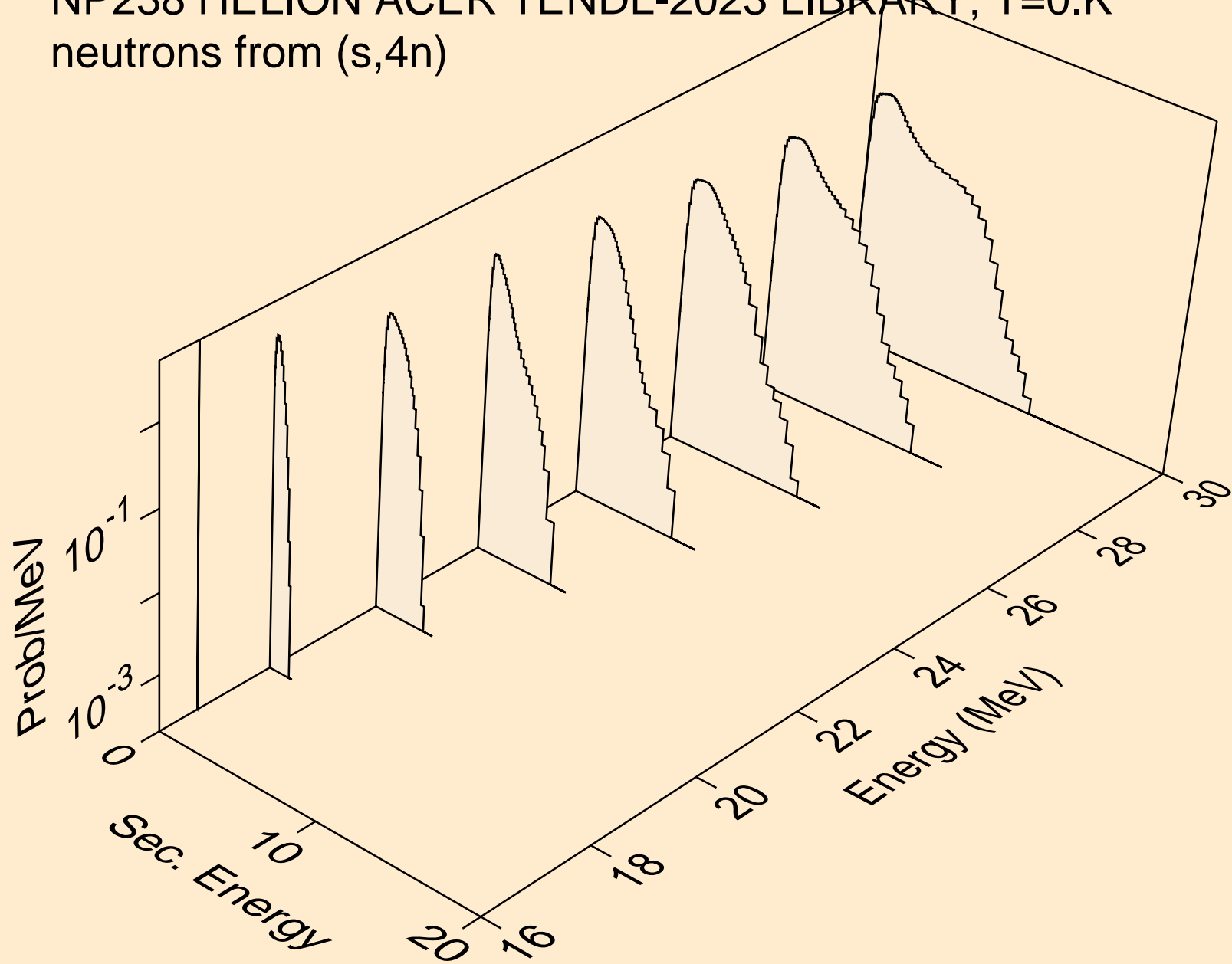


NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

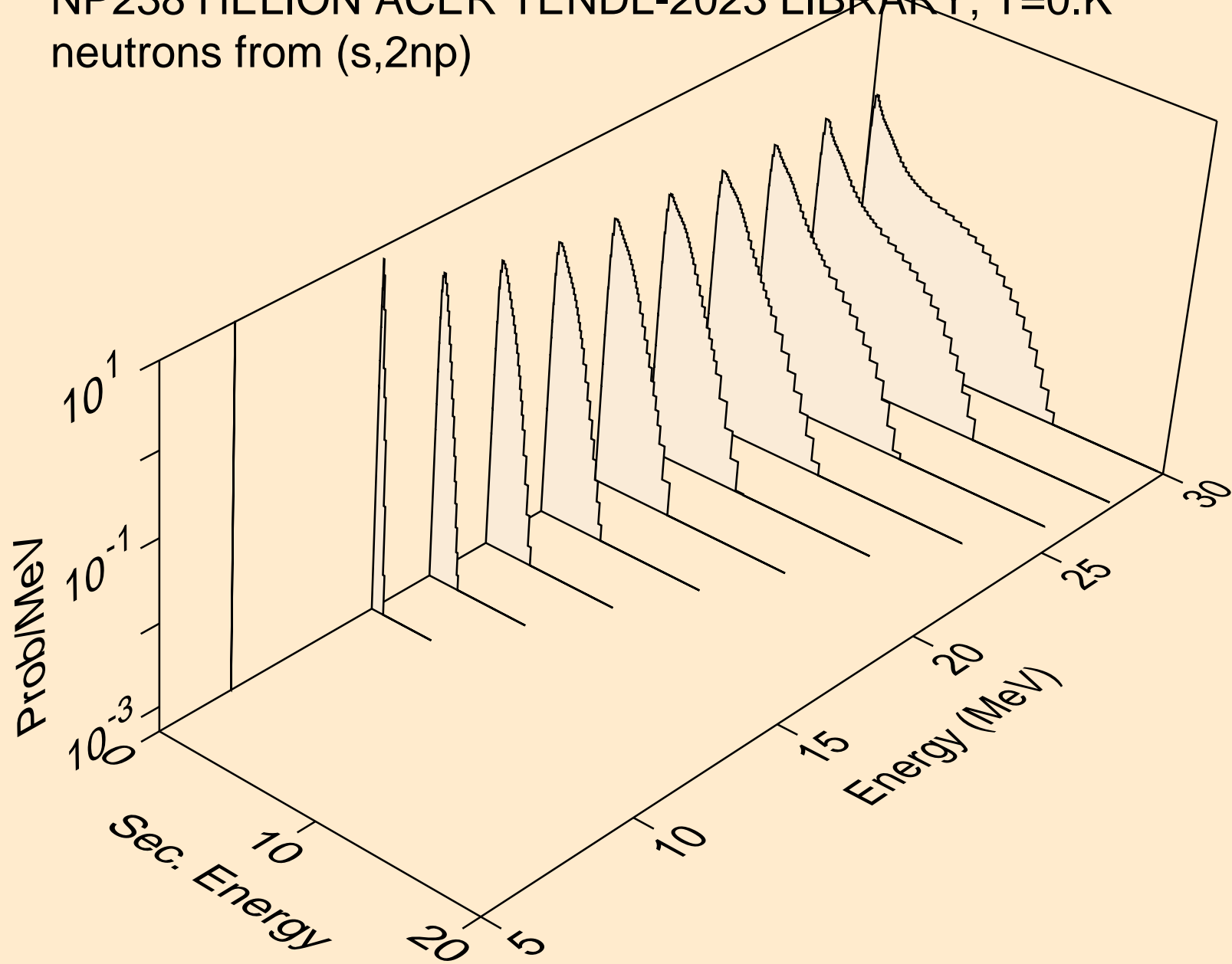




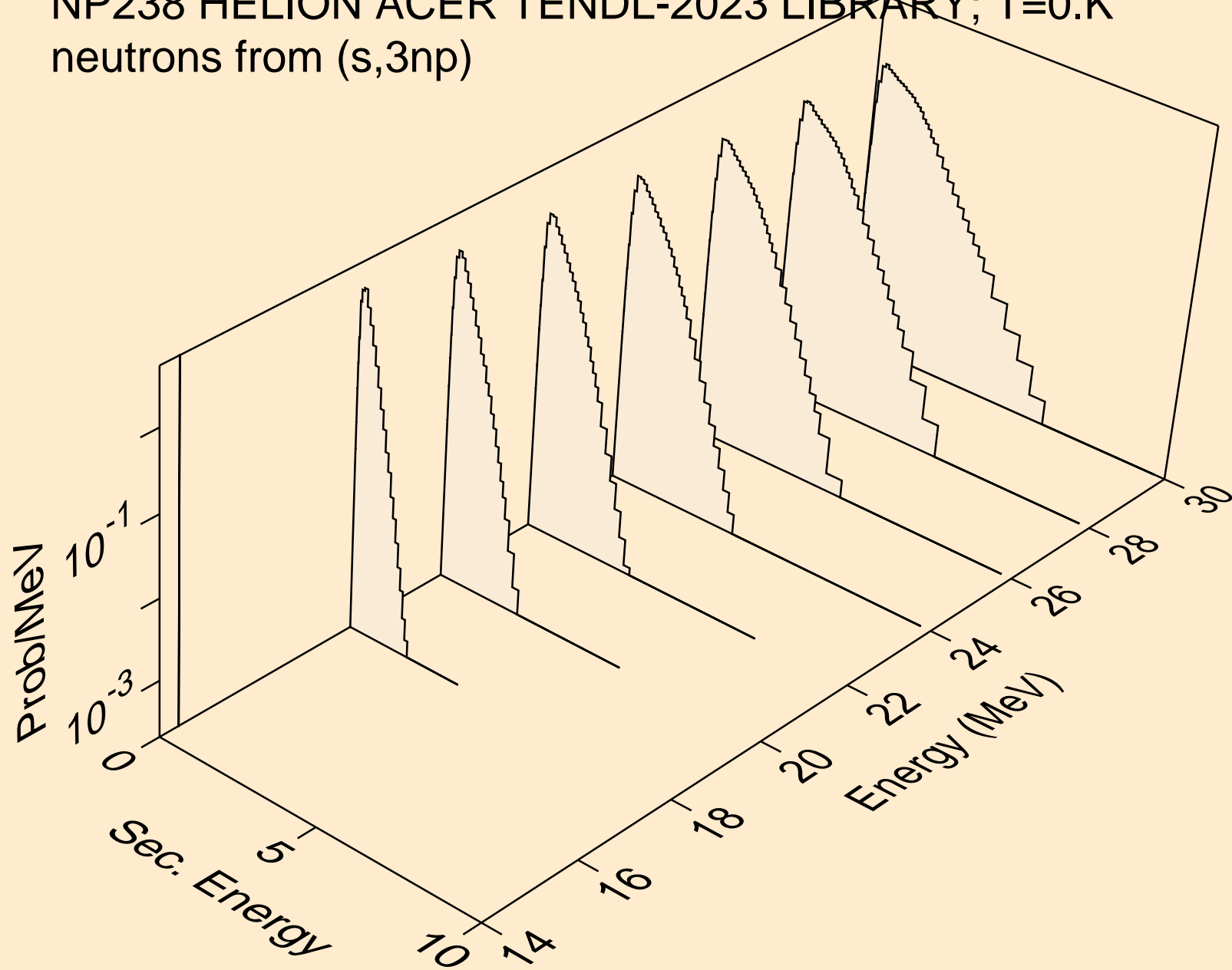
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,4n)



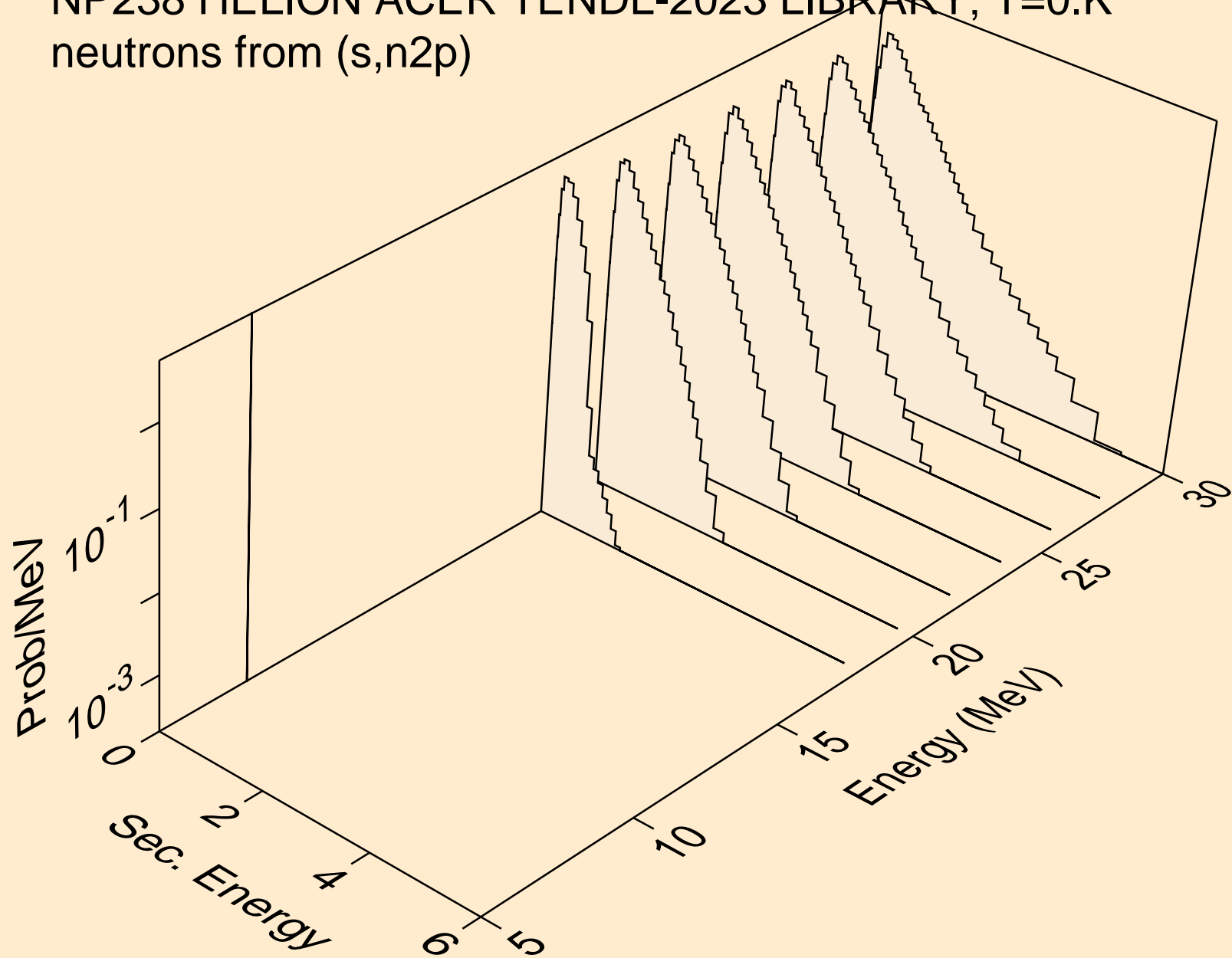
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2np)



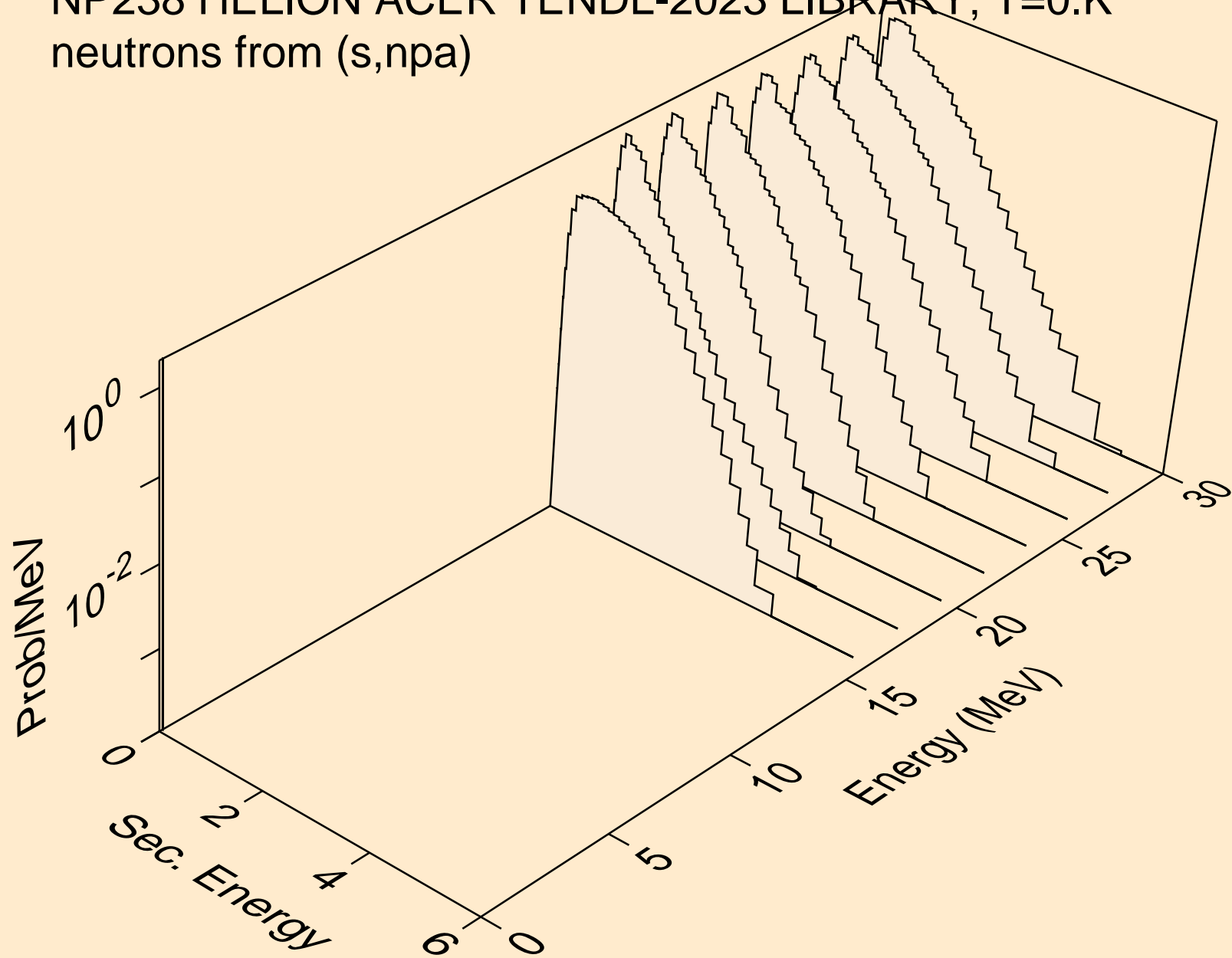
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neutrons from (s,3np)



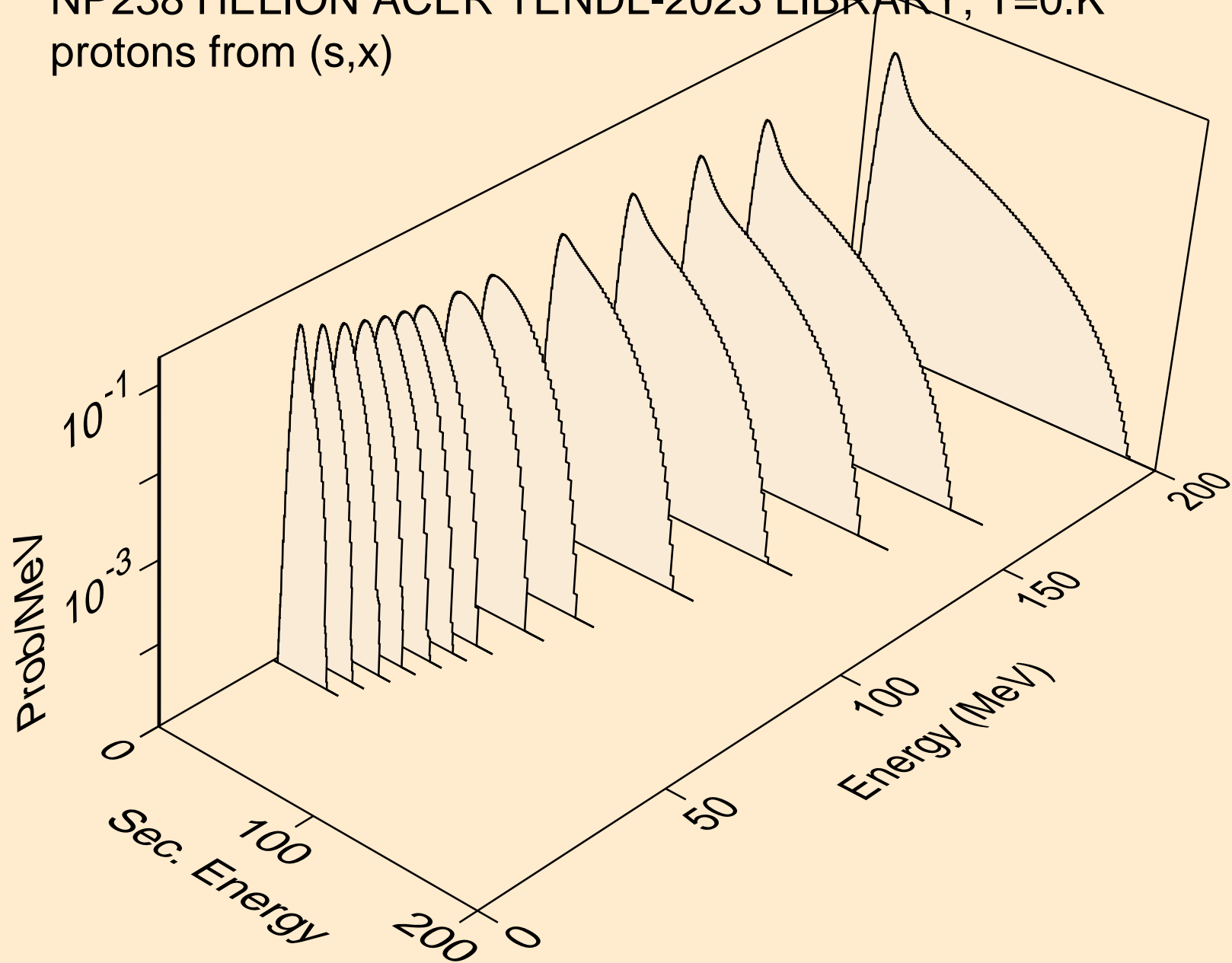
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neutrons from (s,n2p)



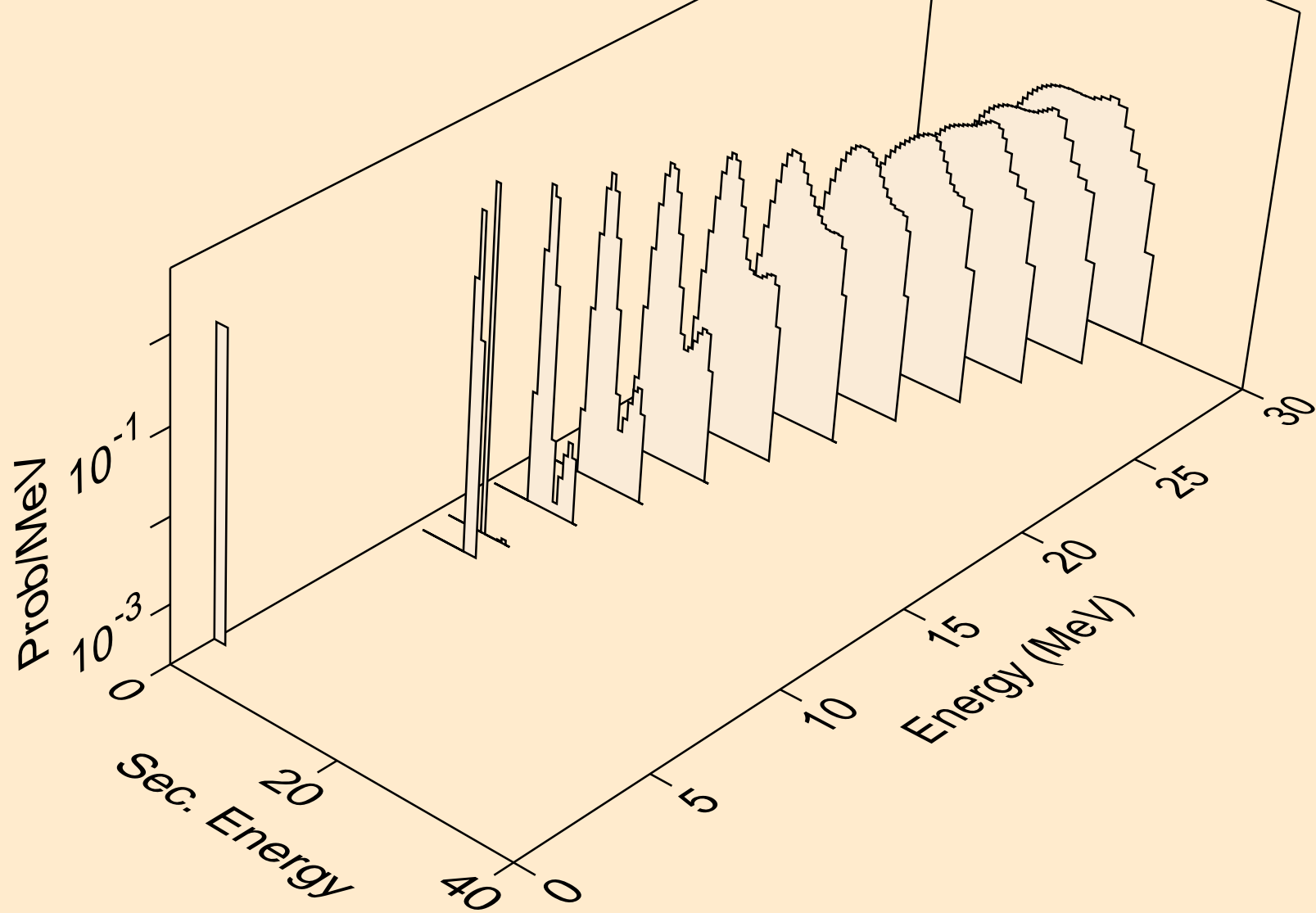
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,npa)



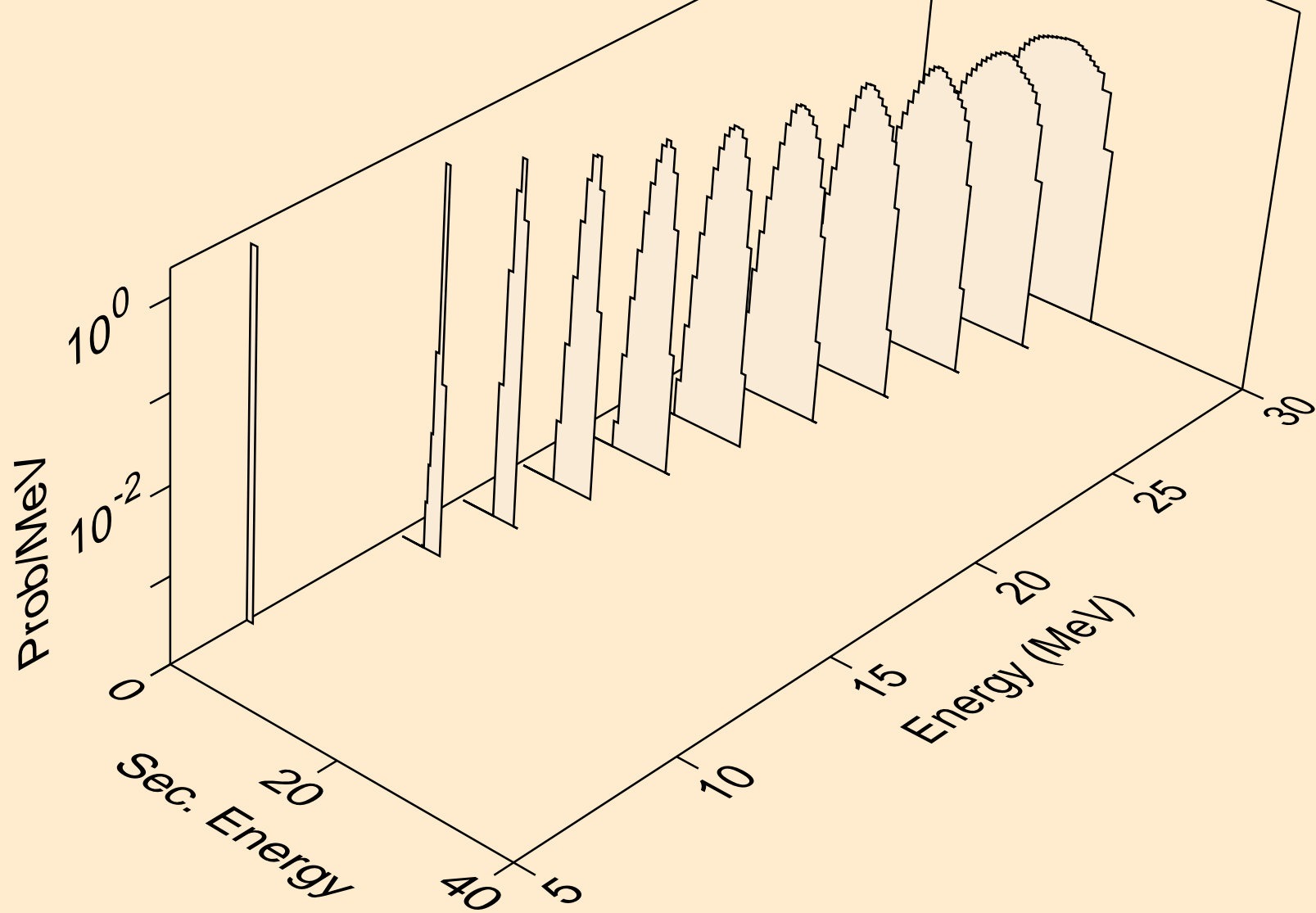
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,x)



NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n\*)p

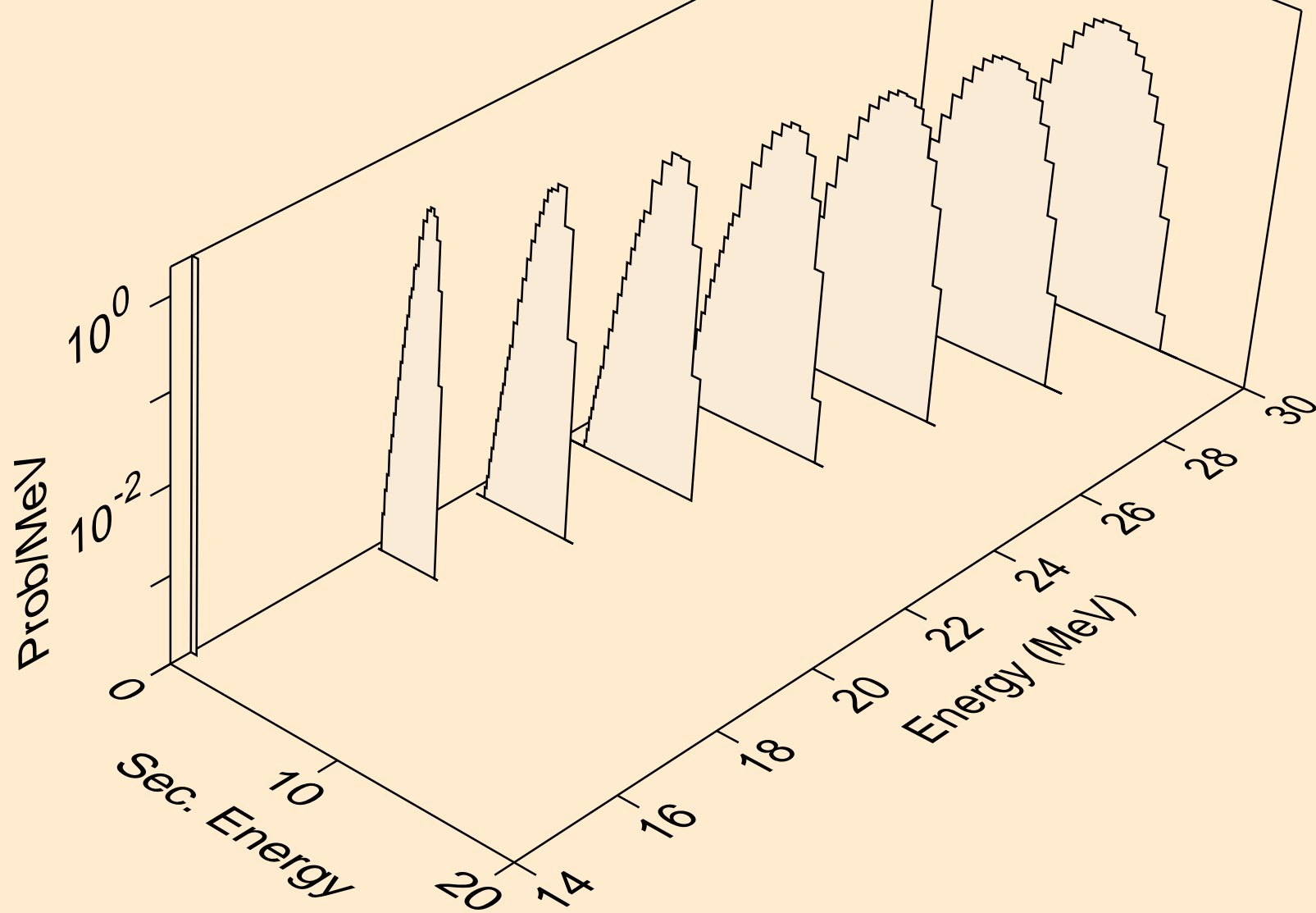


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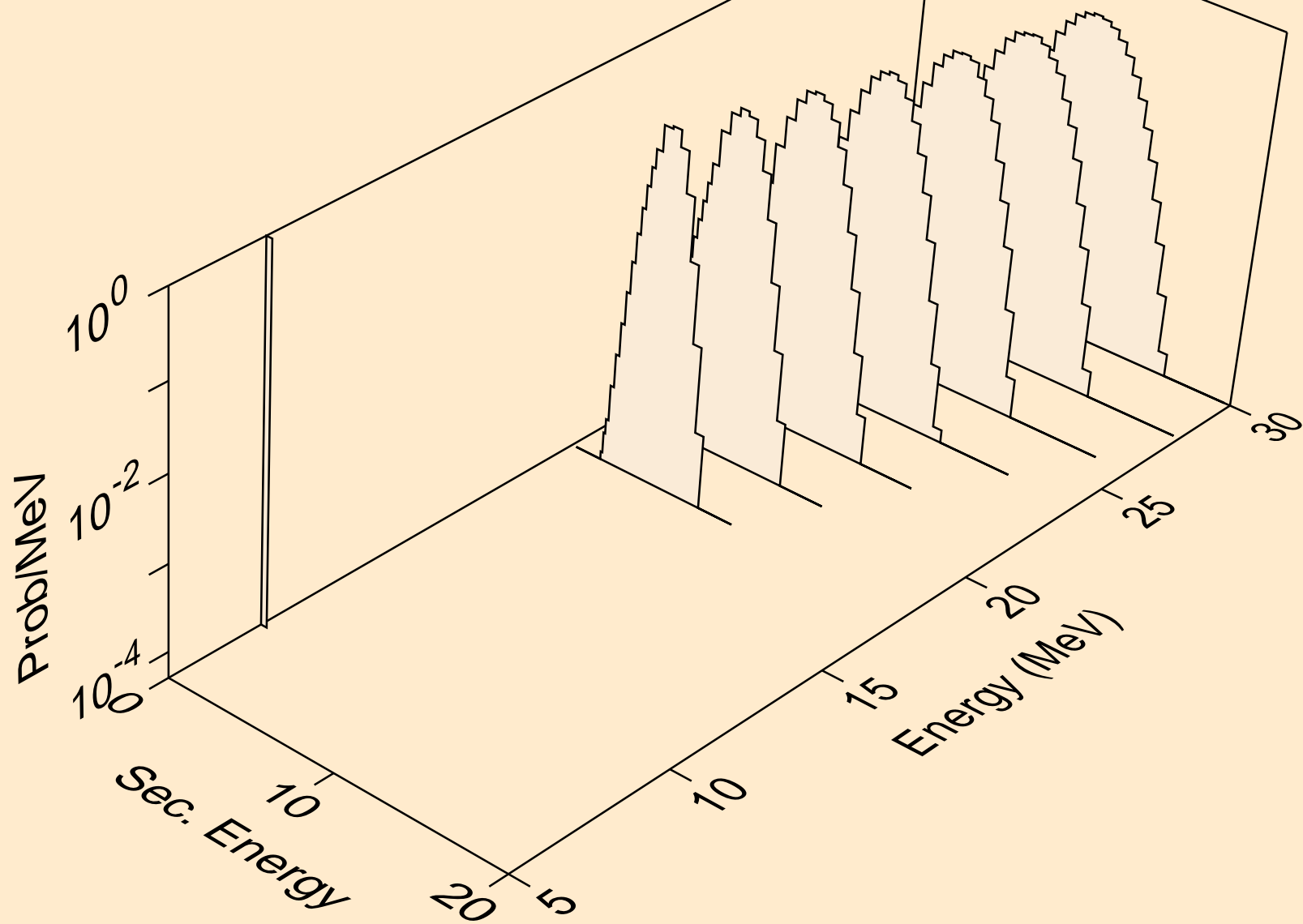




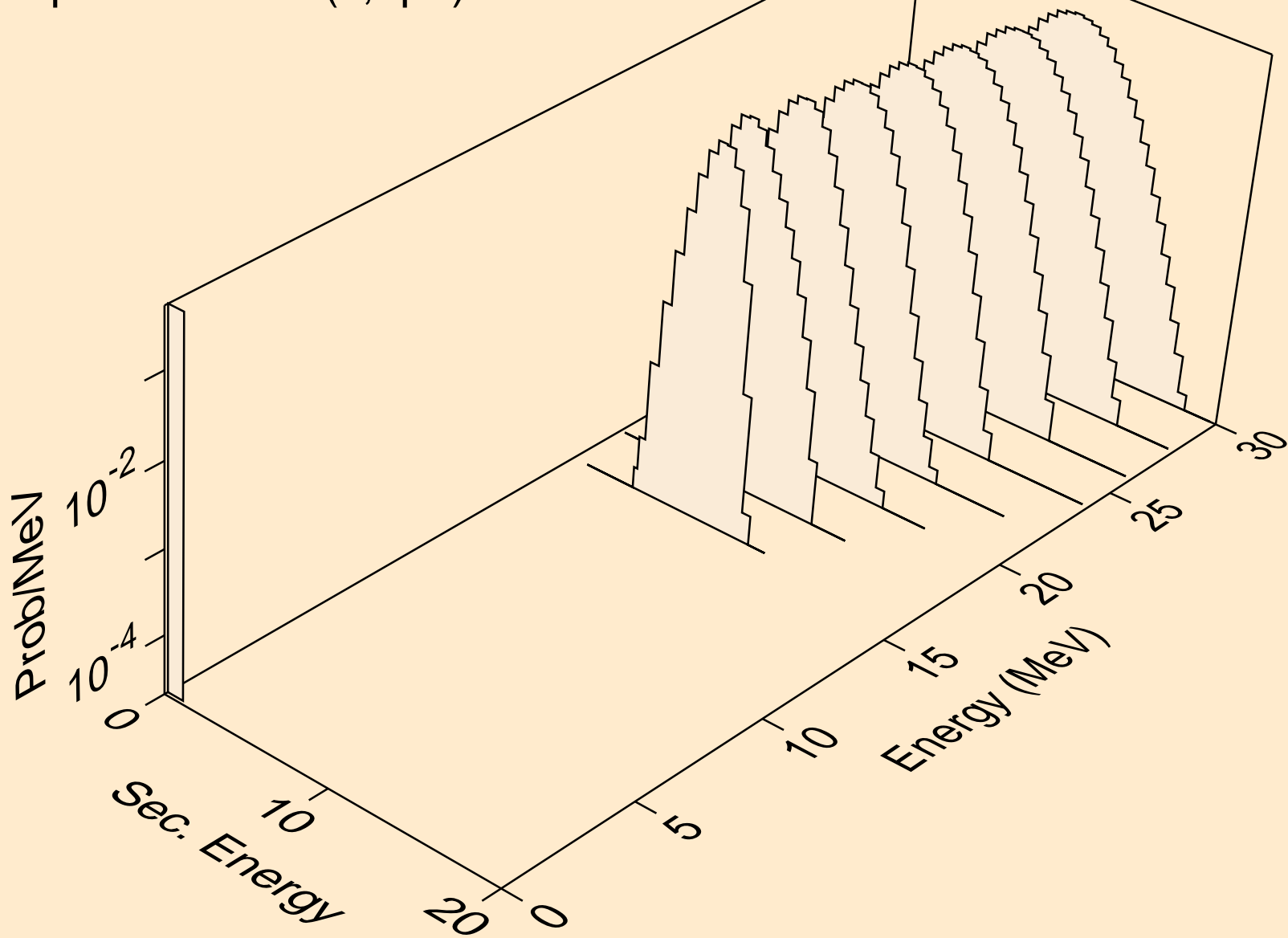
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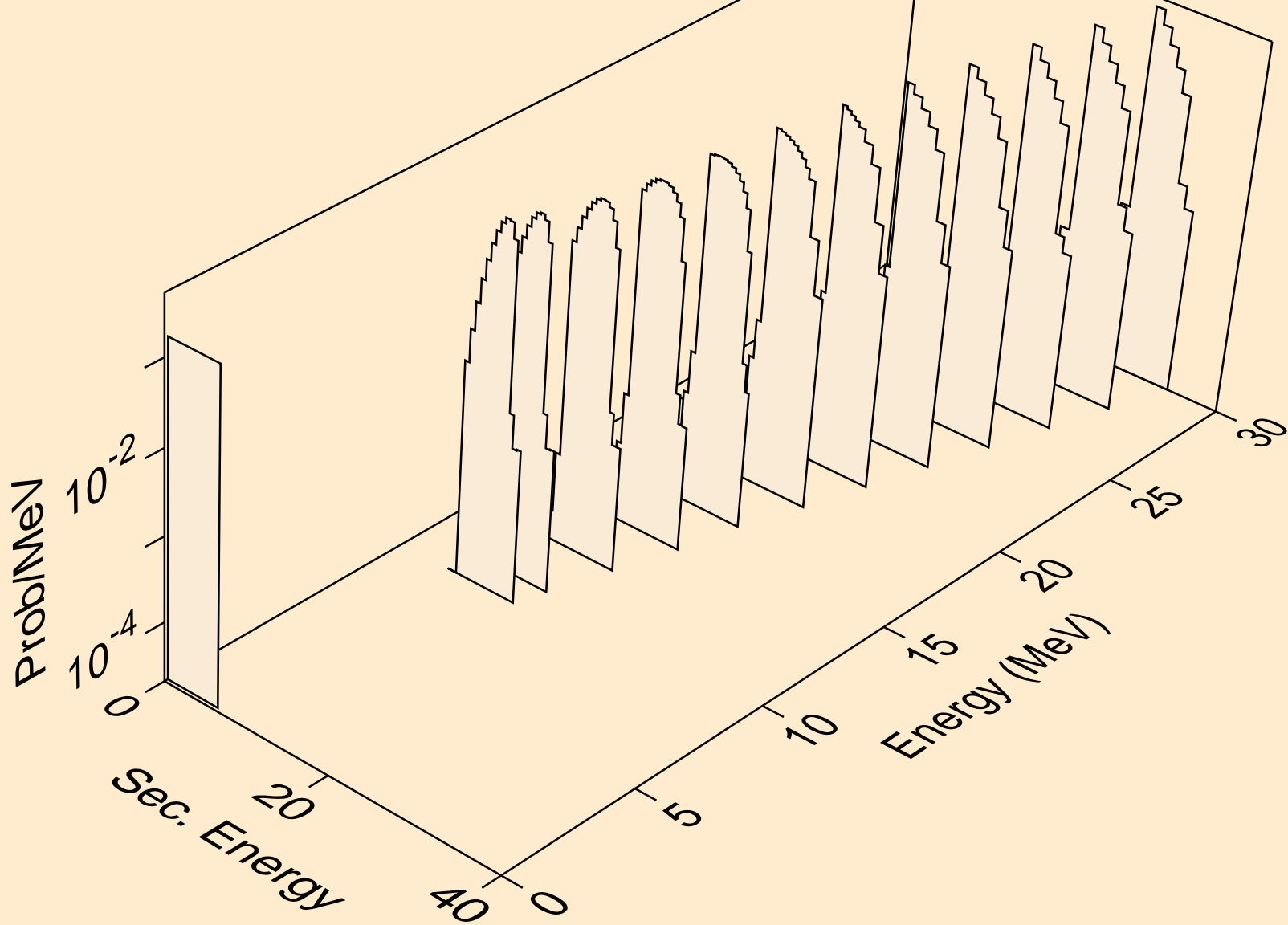
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protons from (s,n2p)



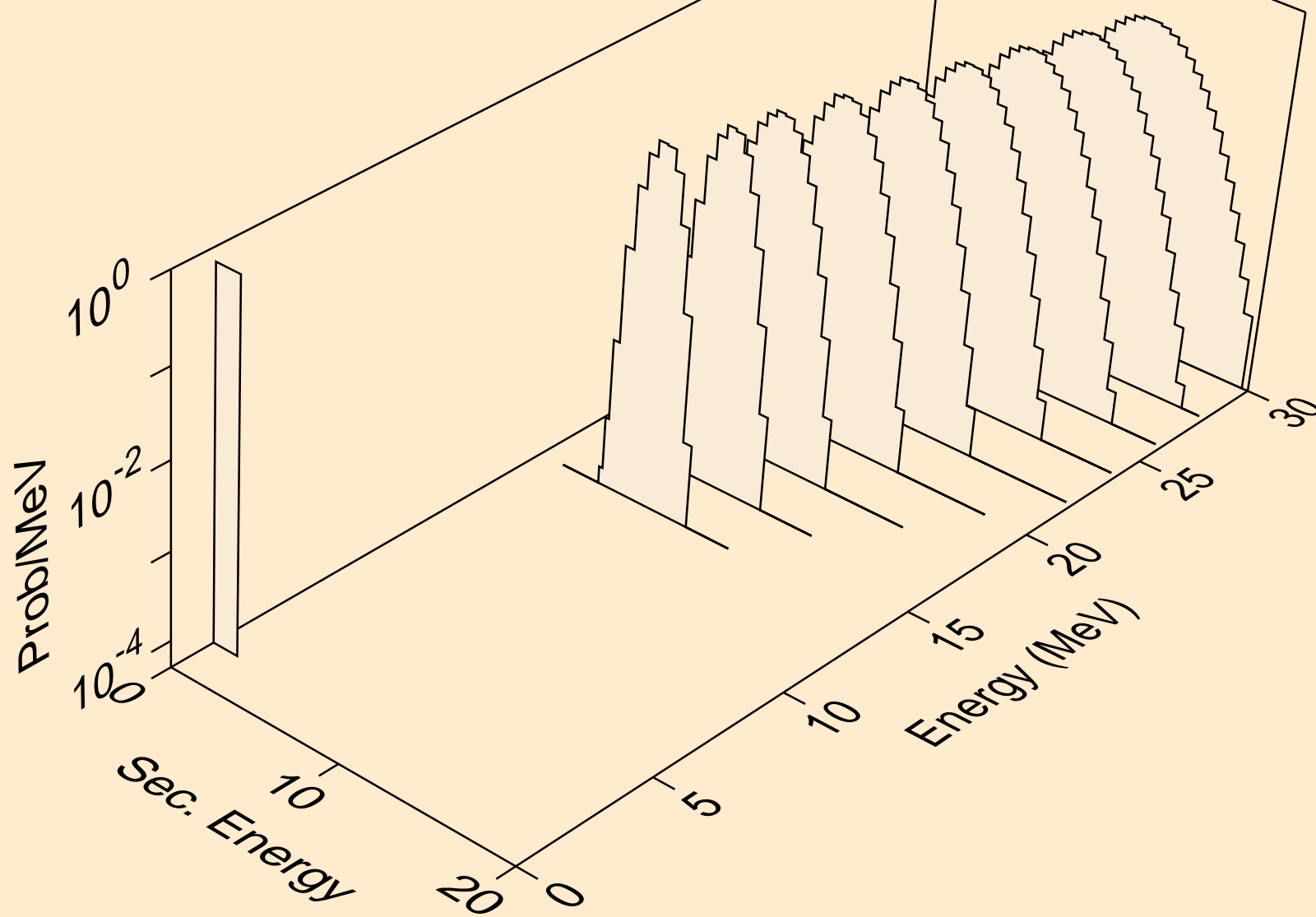
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,npa)



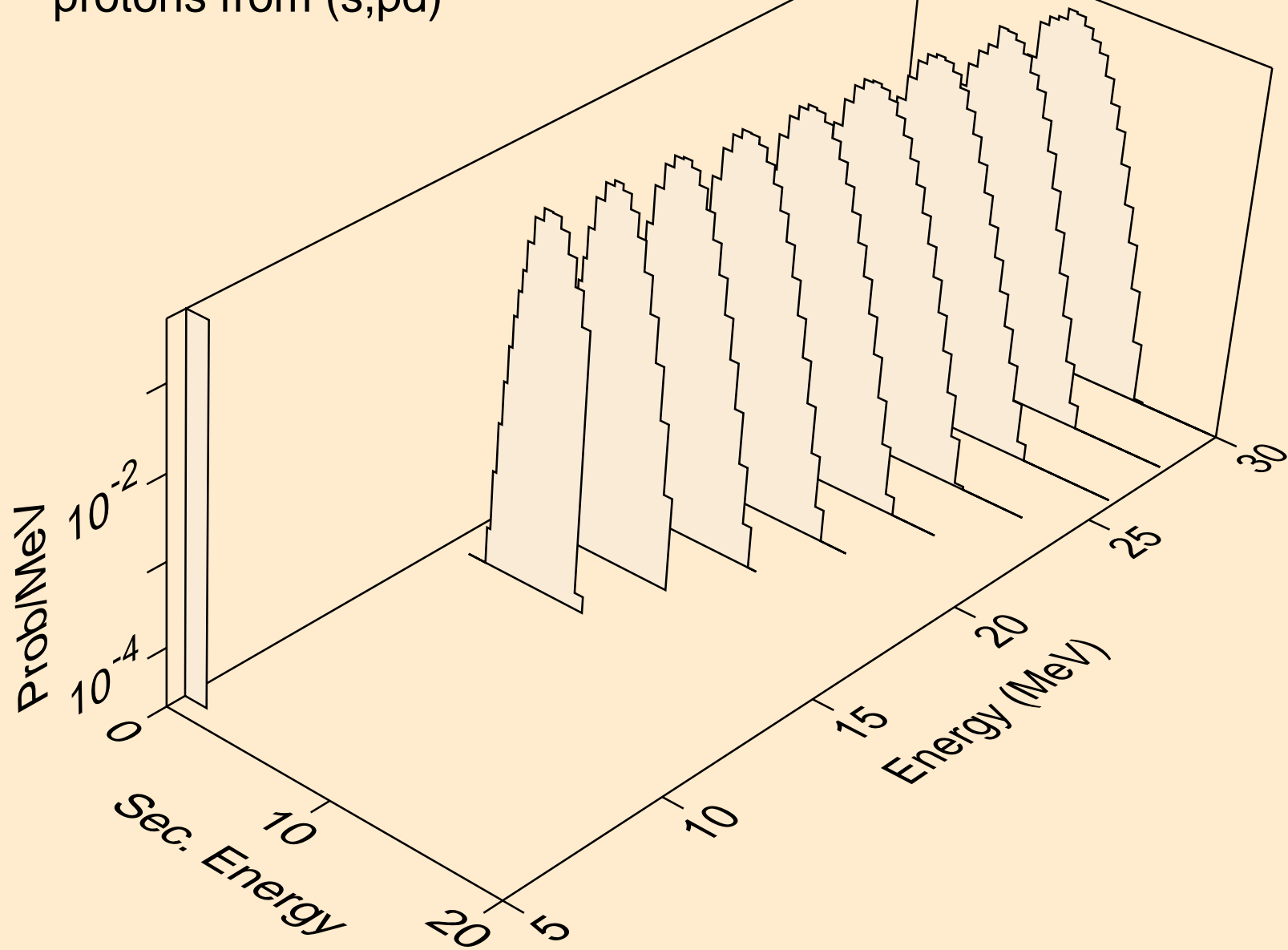
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,p)



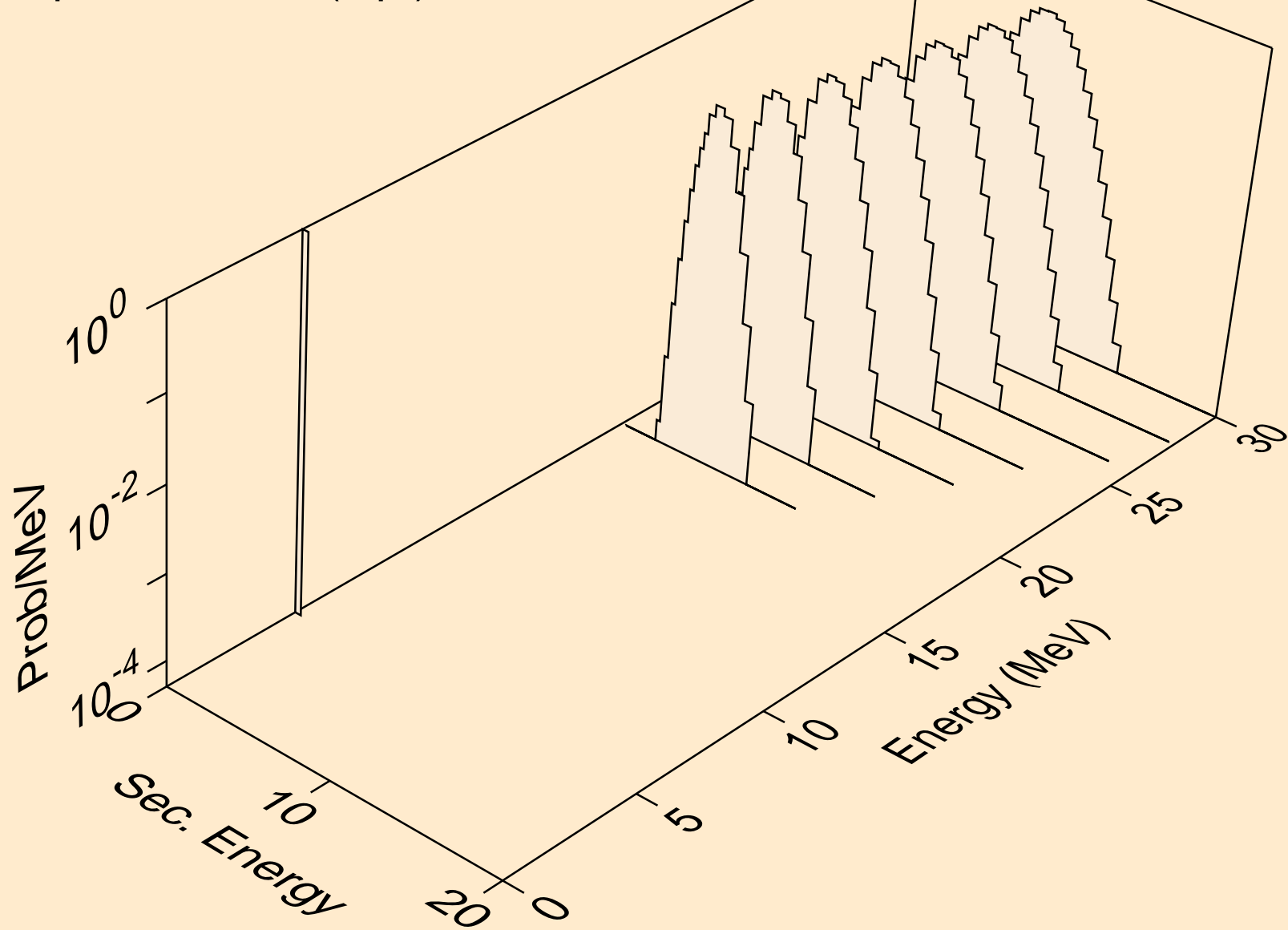
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protons from (s,2p)



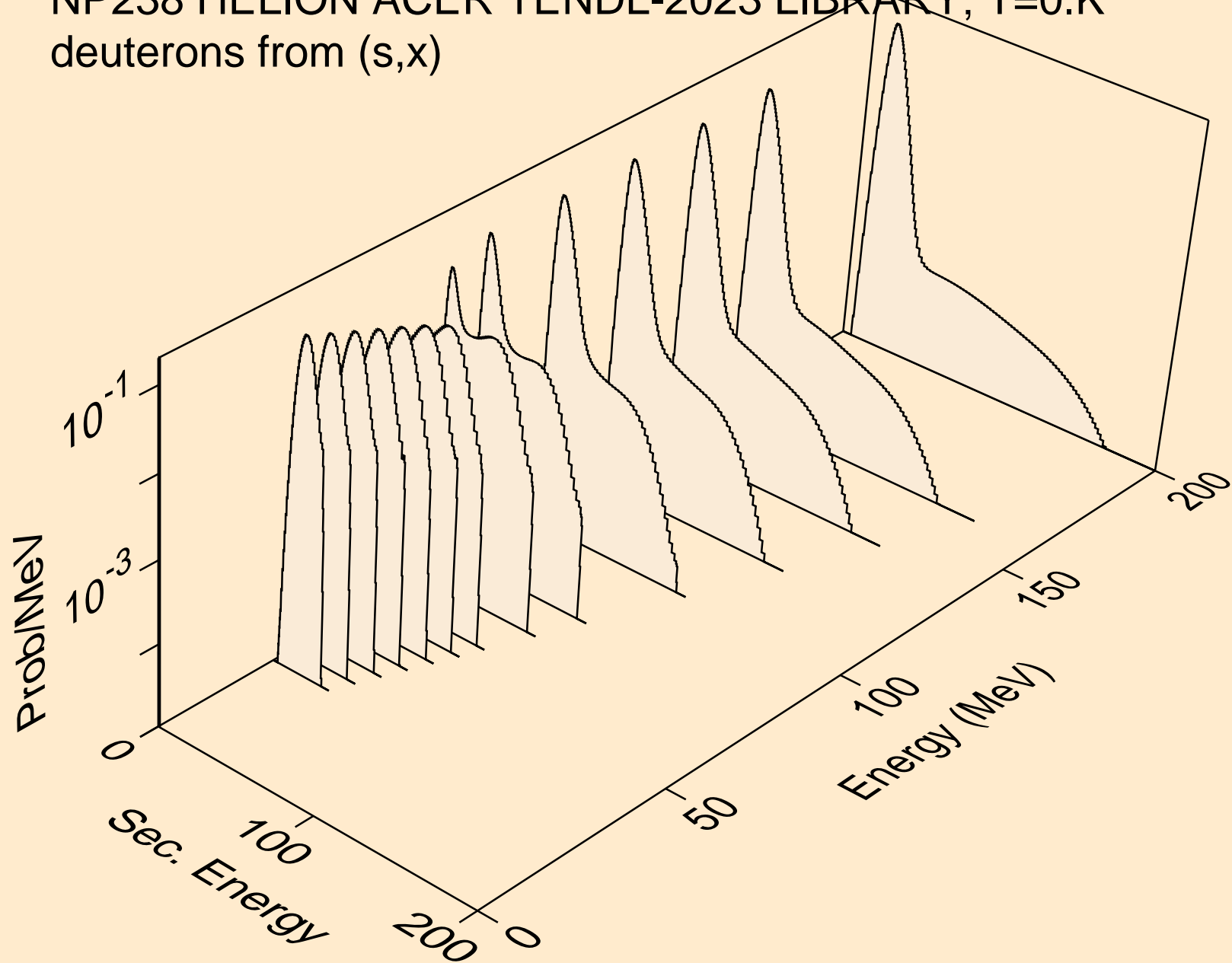
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pd)



NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pt)

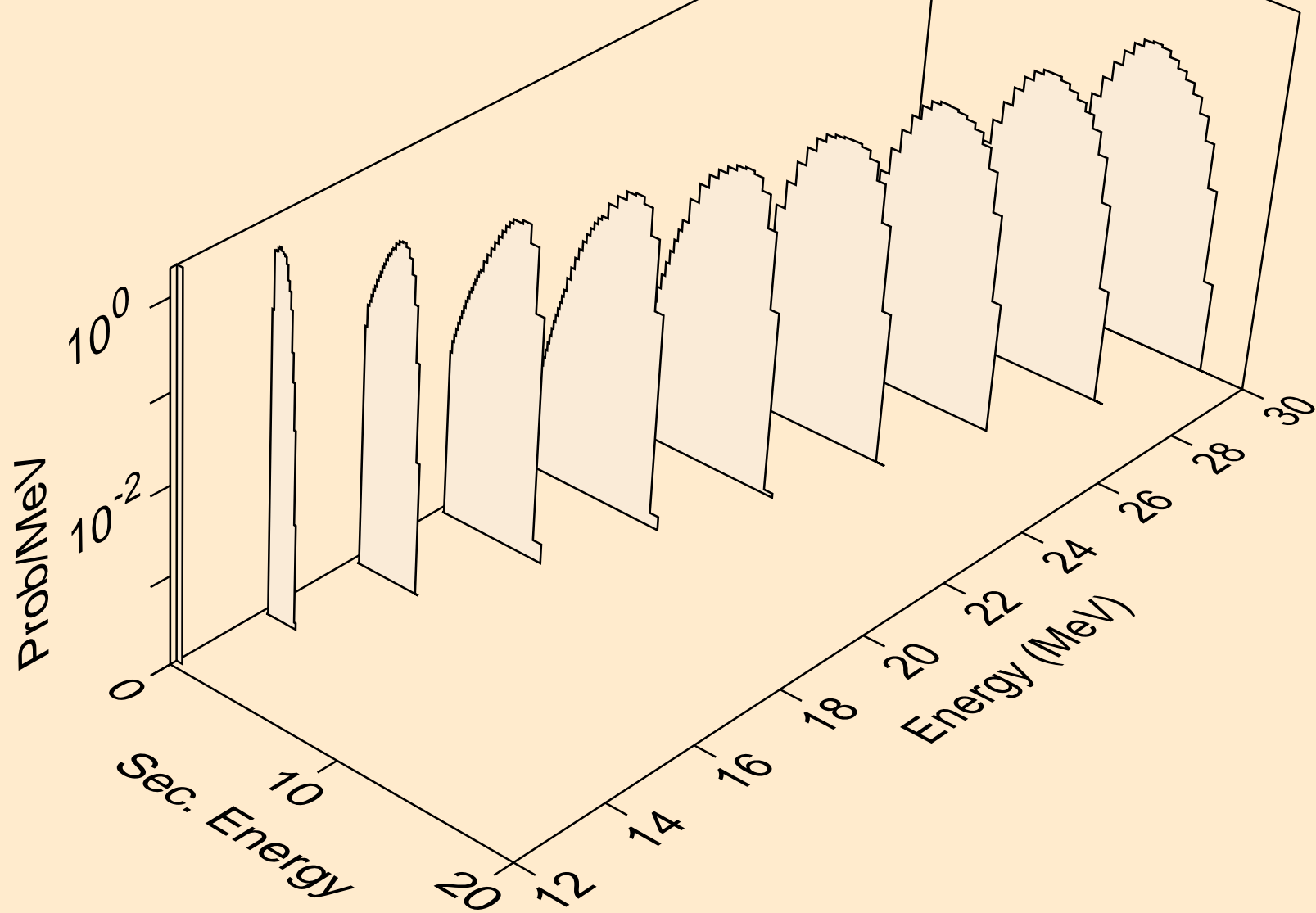


NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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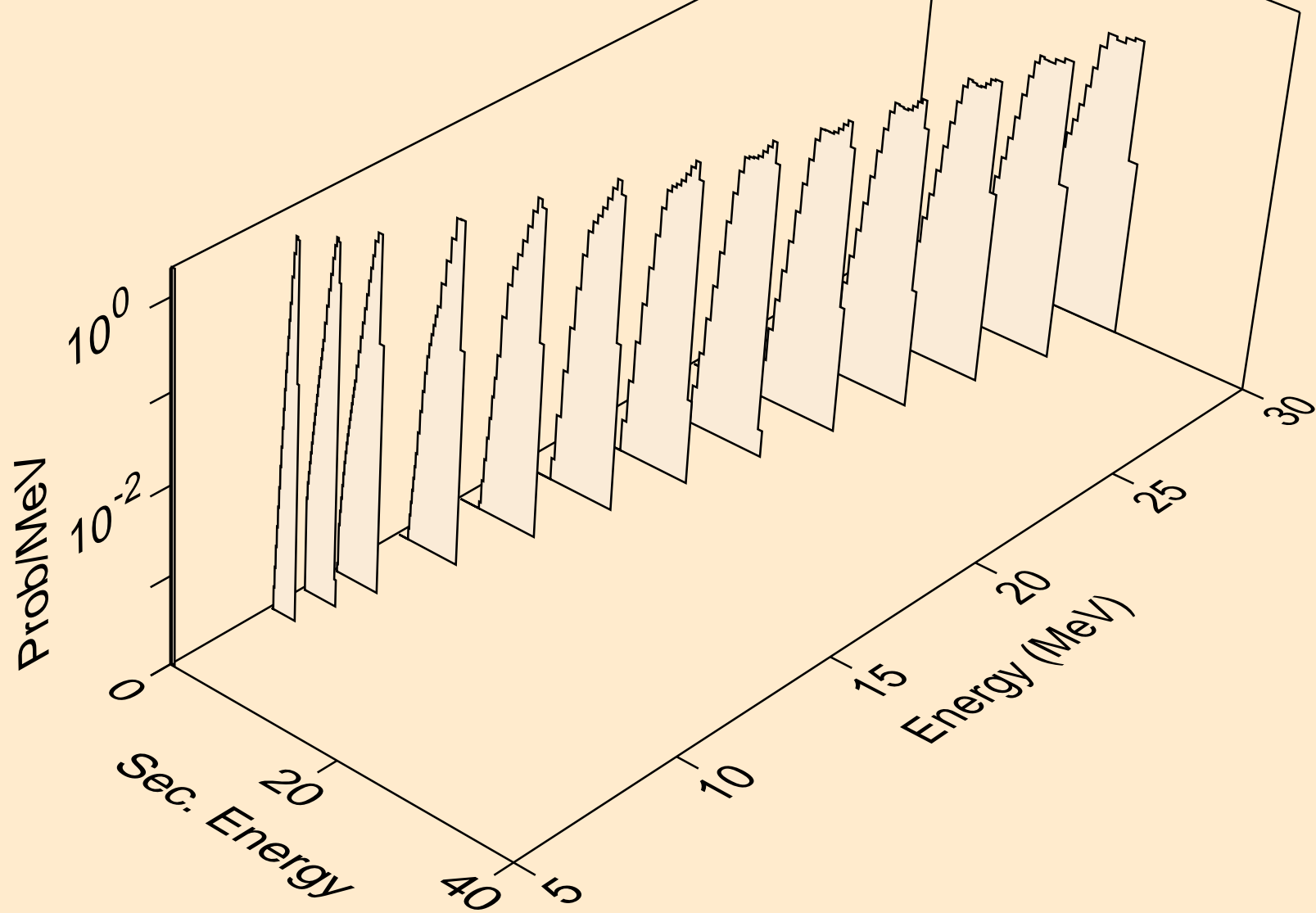




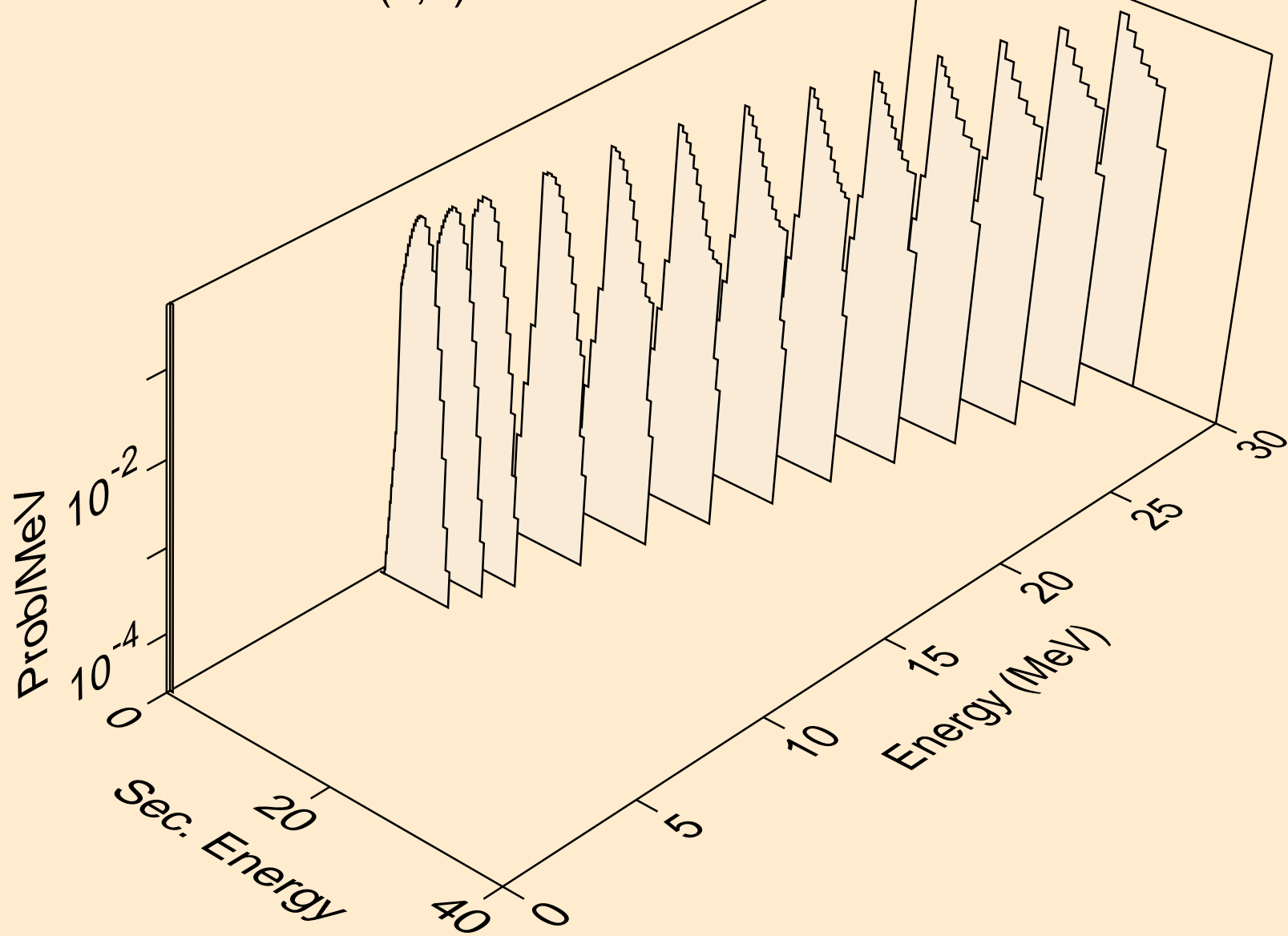
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deuterons from (s,2nd)



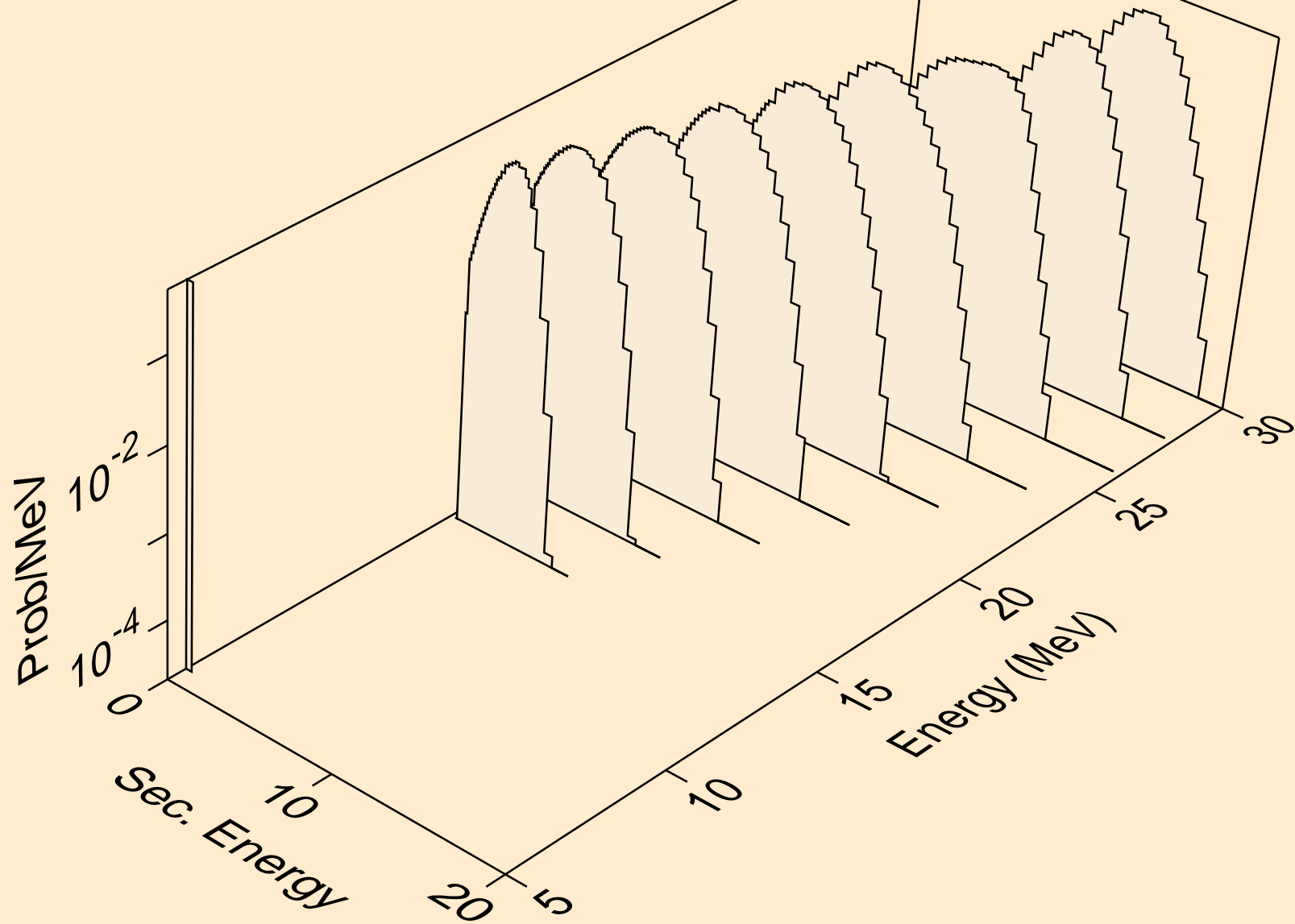
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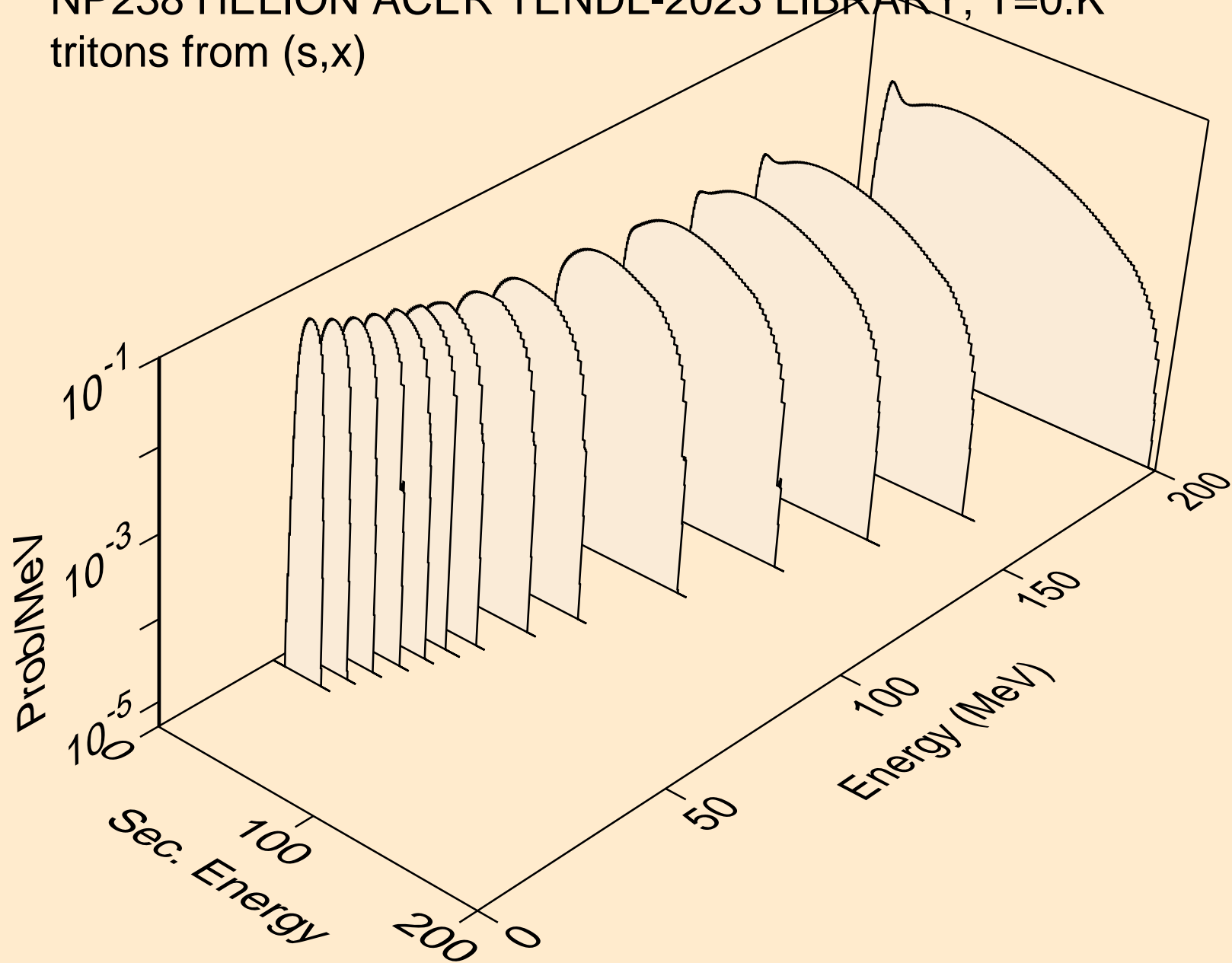
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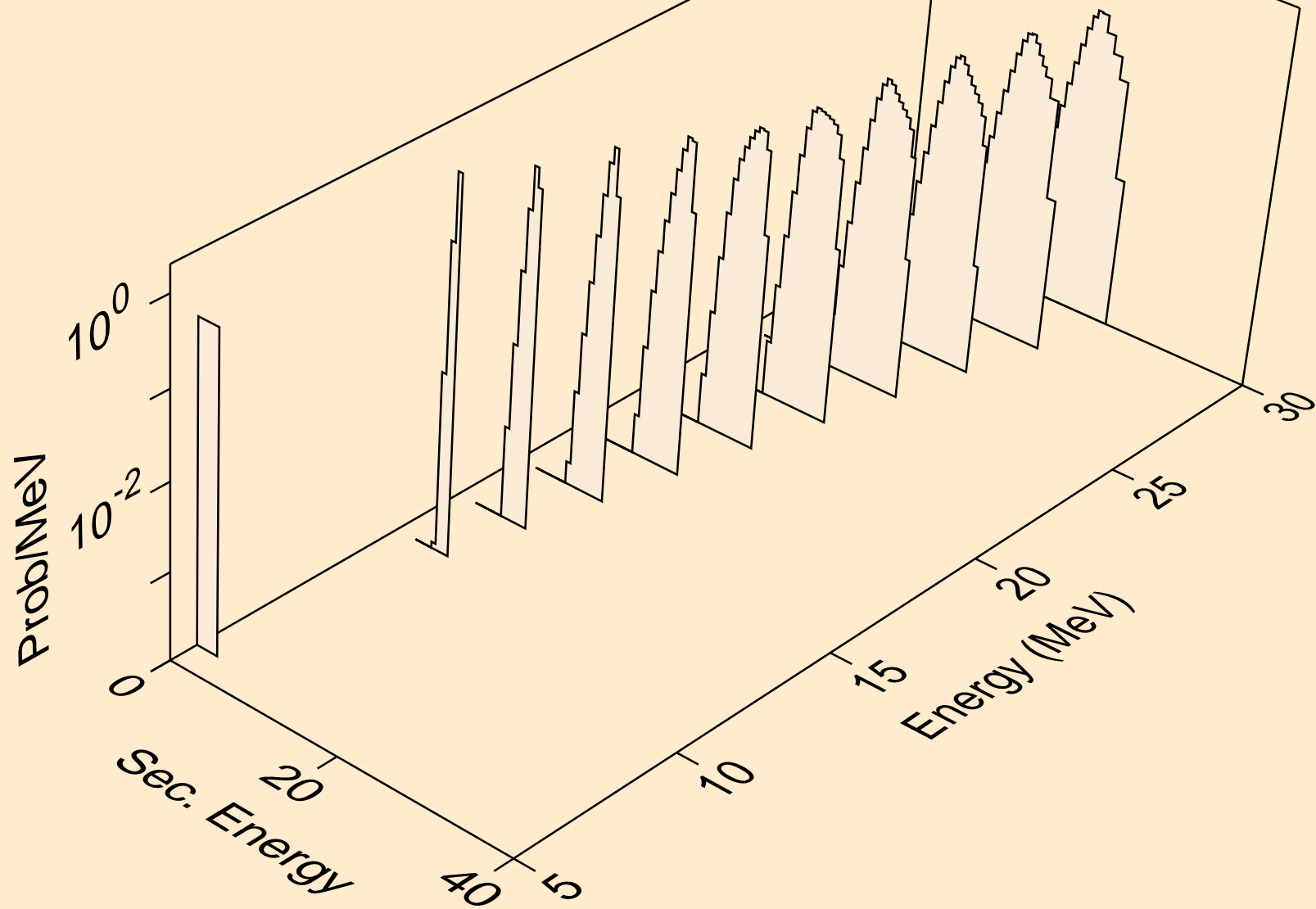
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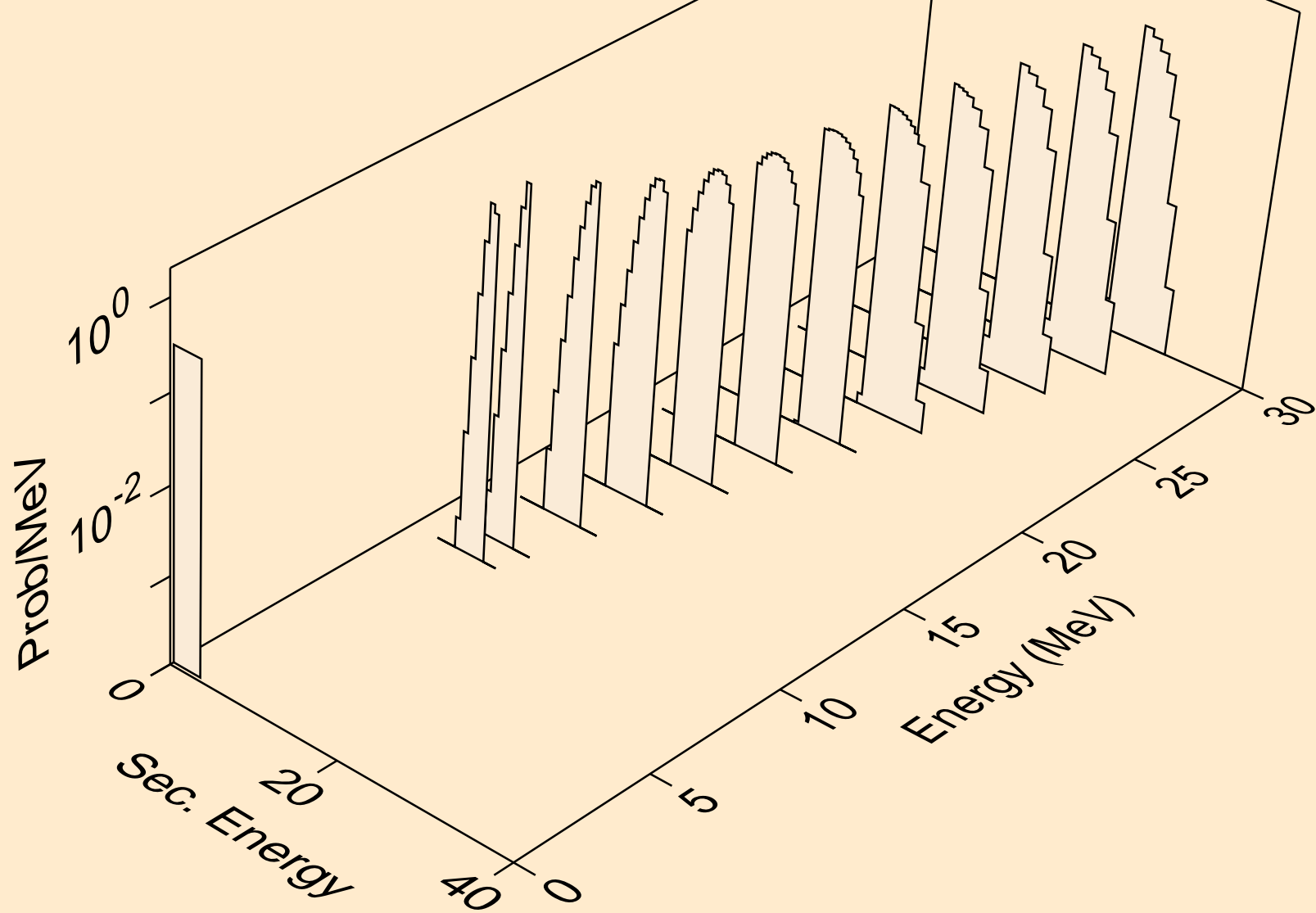
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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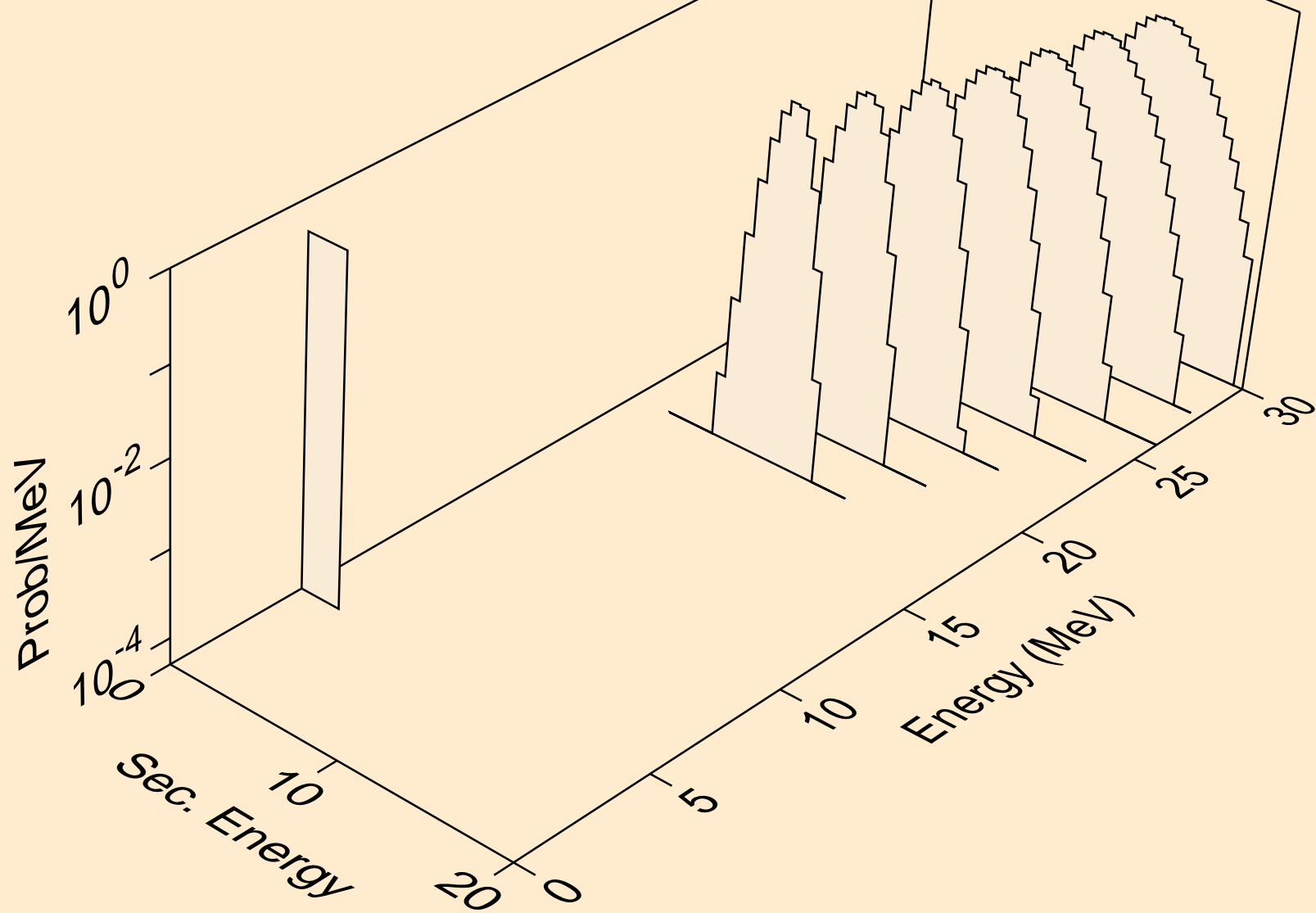
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,n\*)t



NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,t)

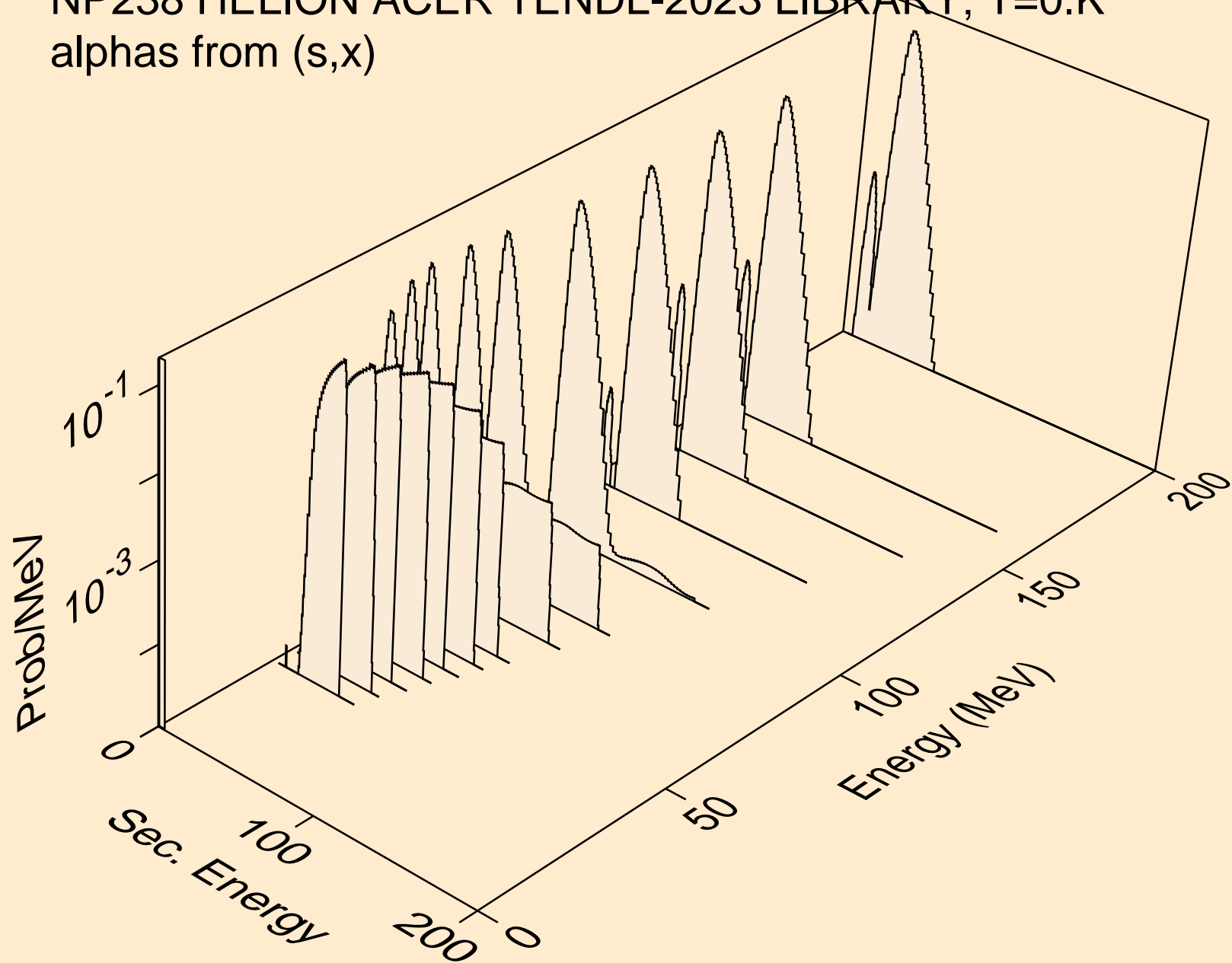


NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,pt)

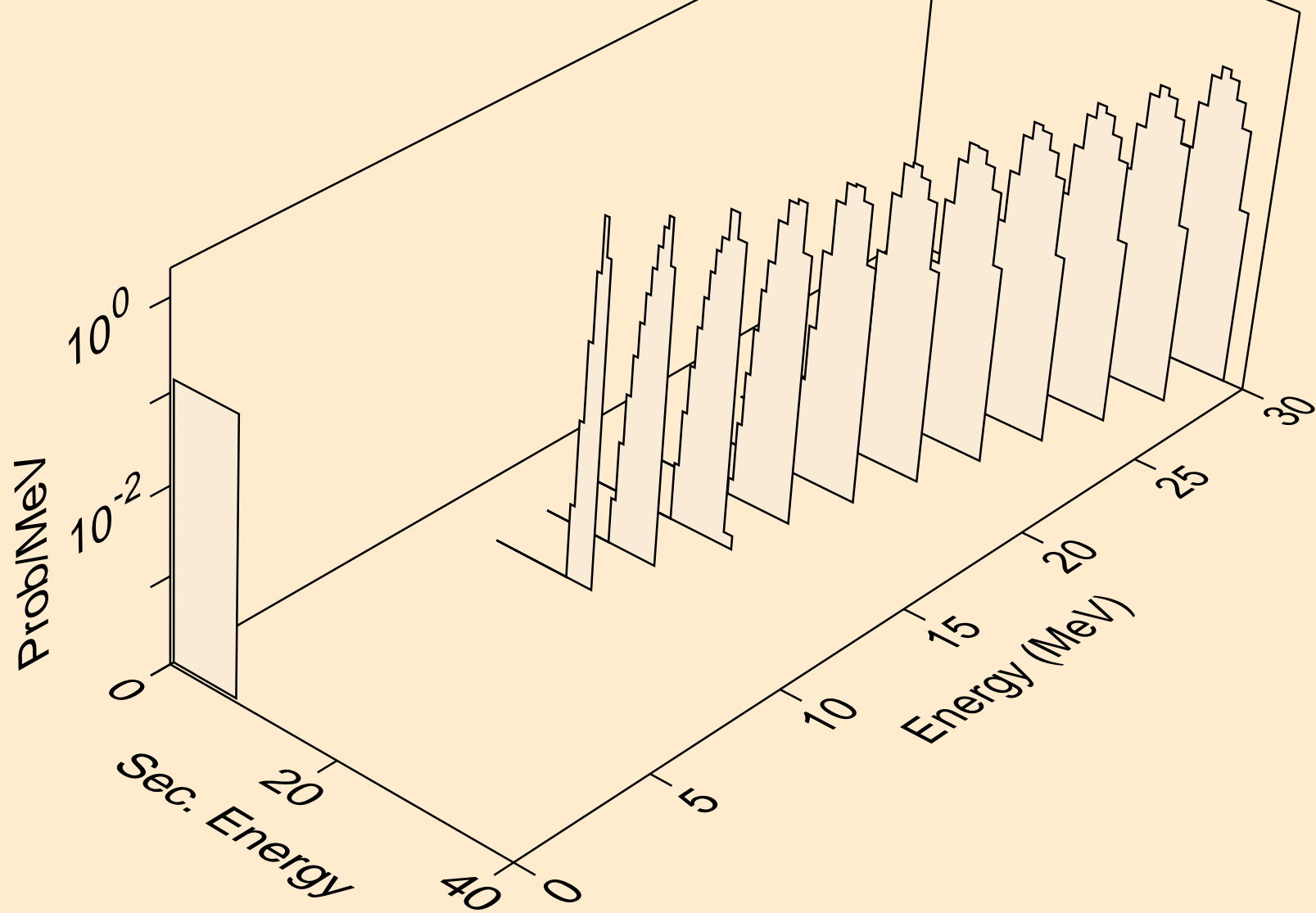




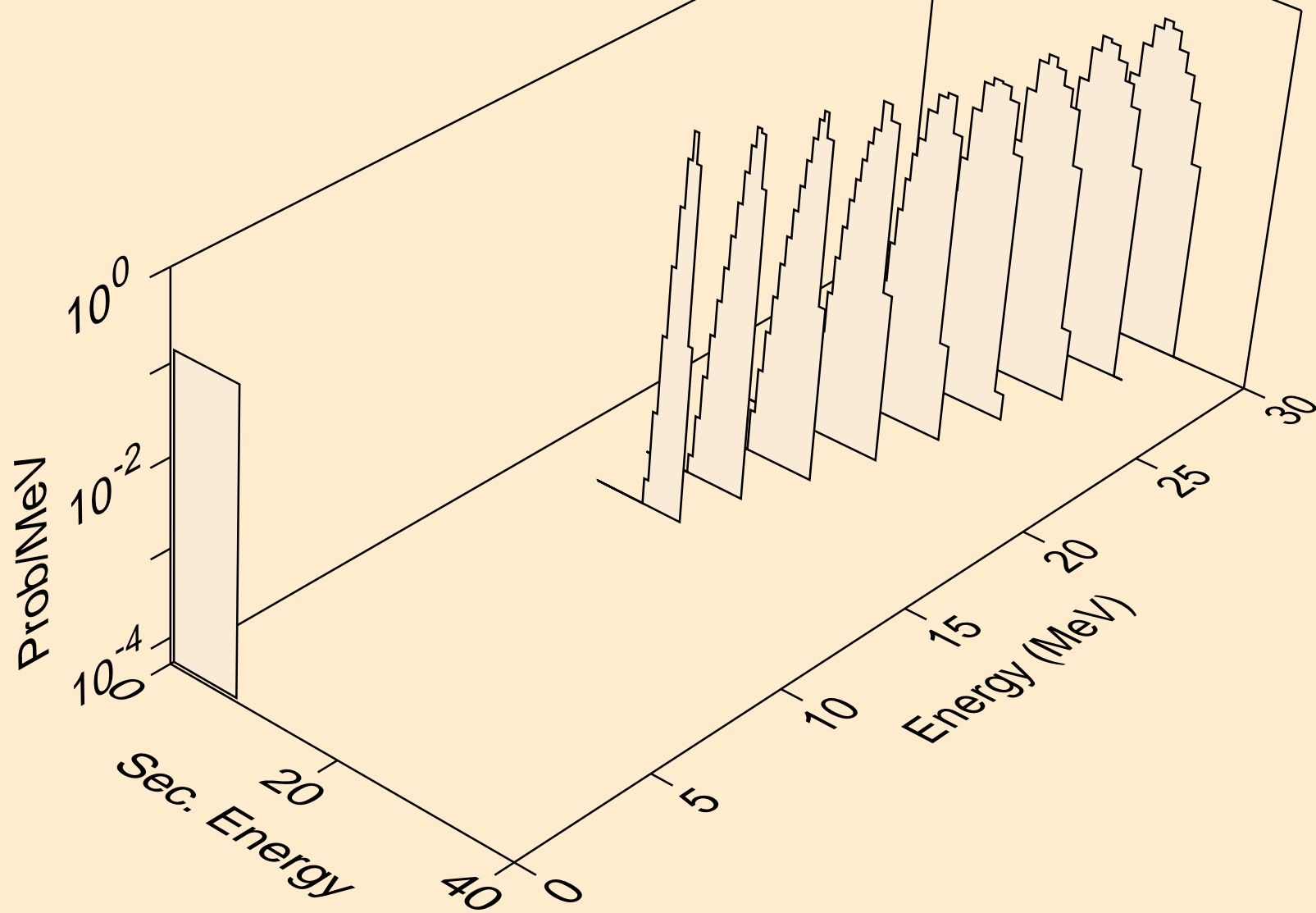
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,x)



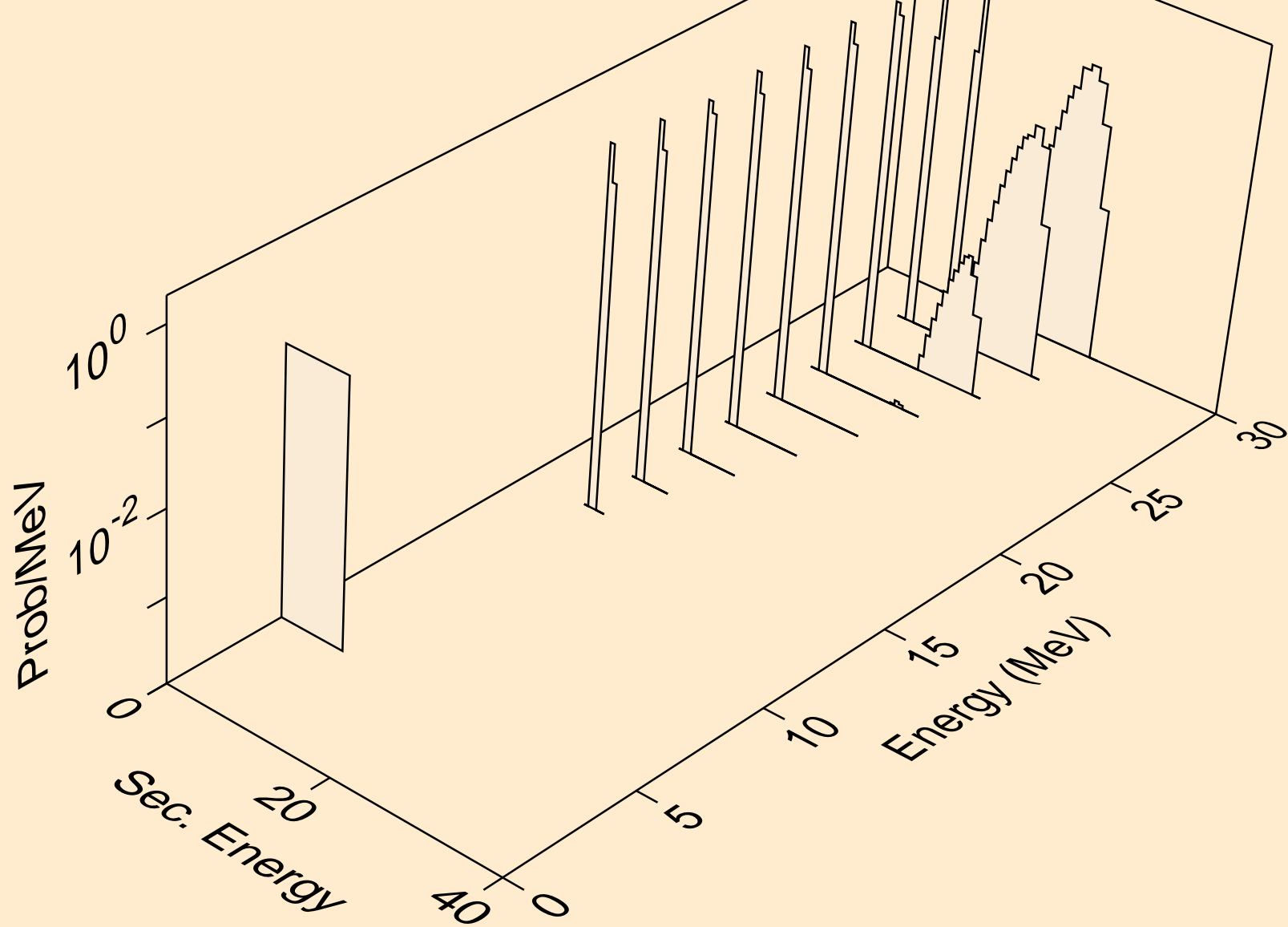
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)a



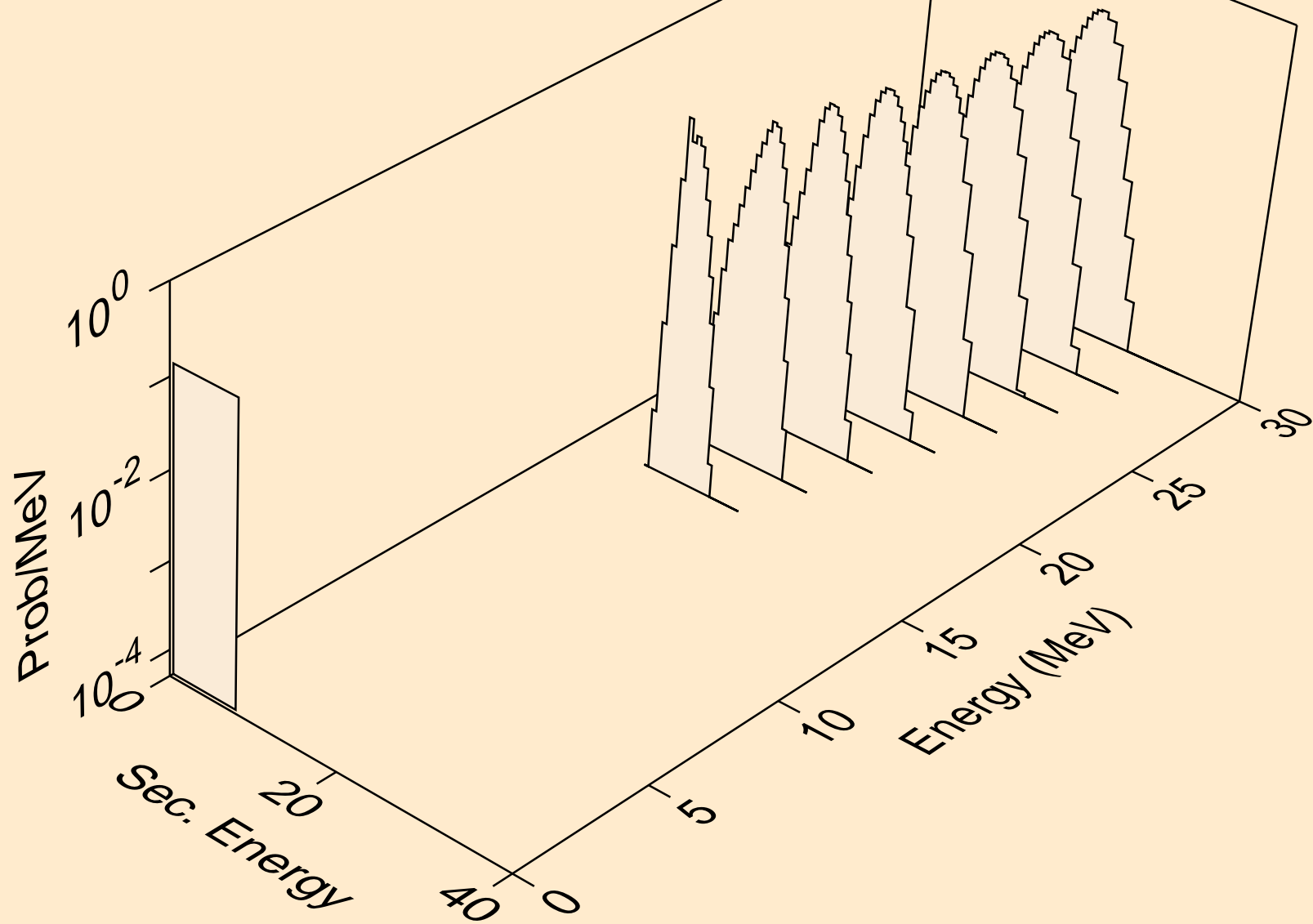
NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2n)a



NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,3n)a



NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,npa)



NP238 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,a)

