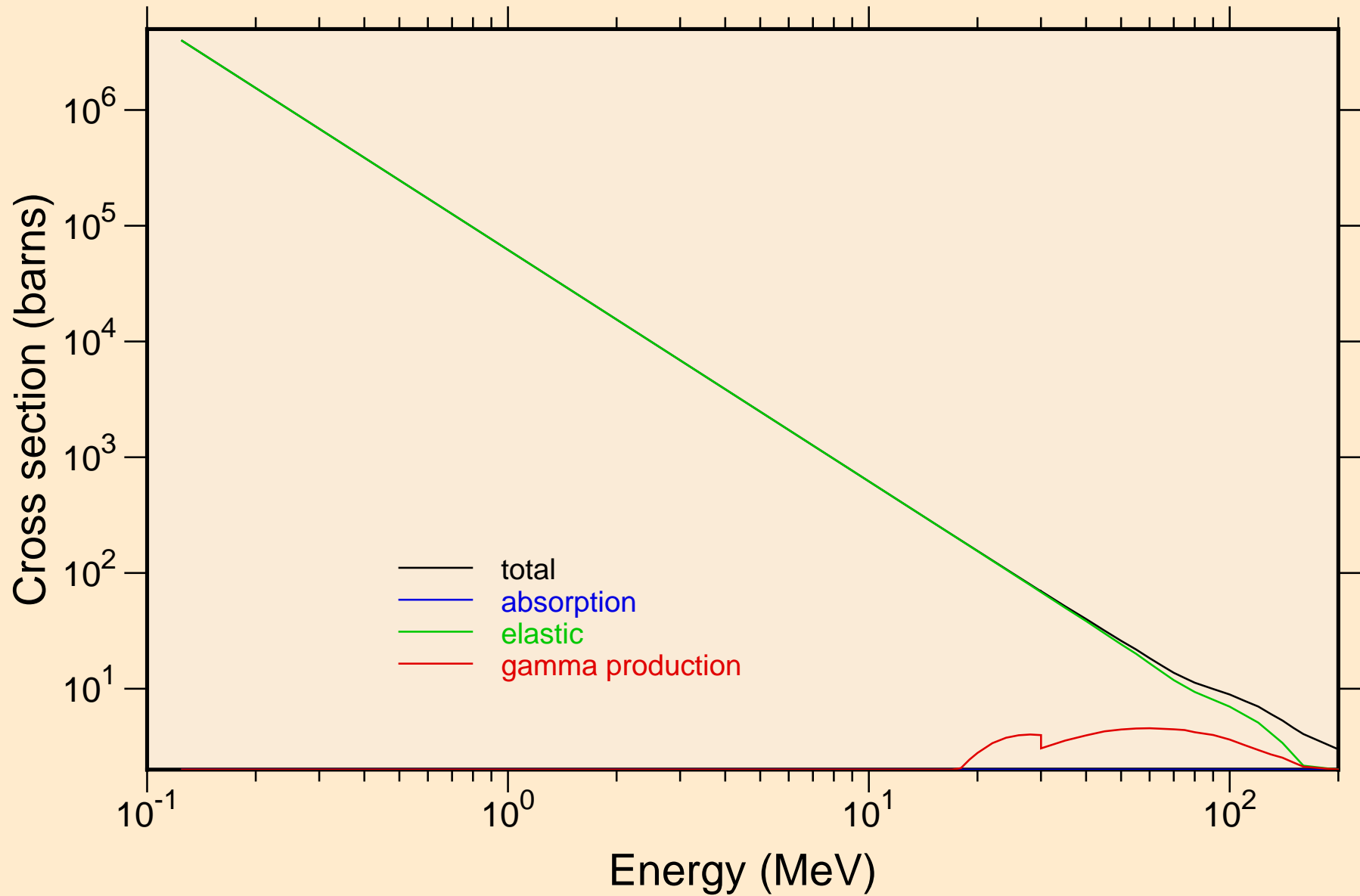
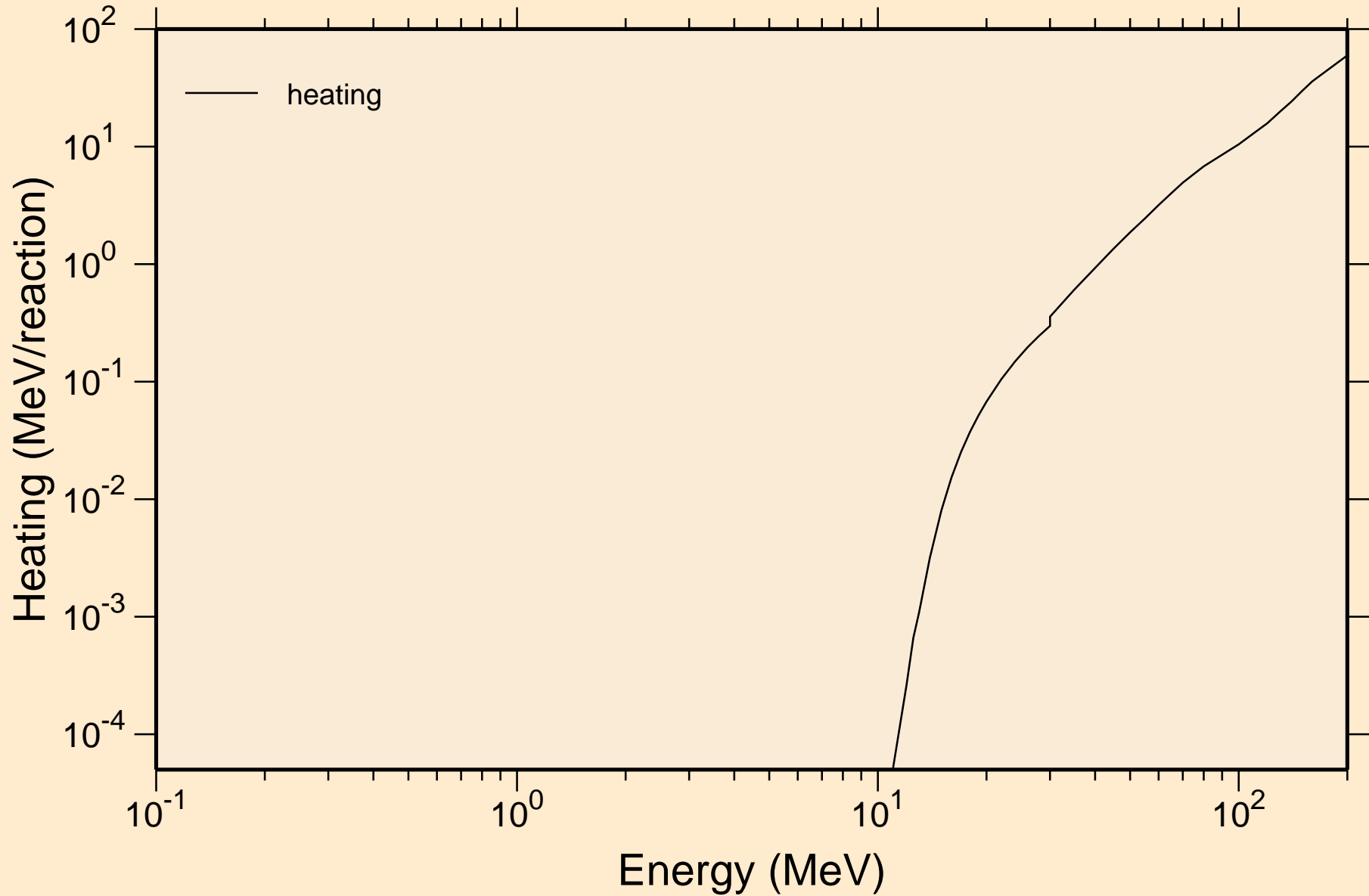


IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



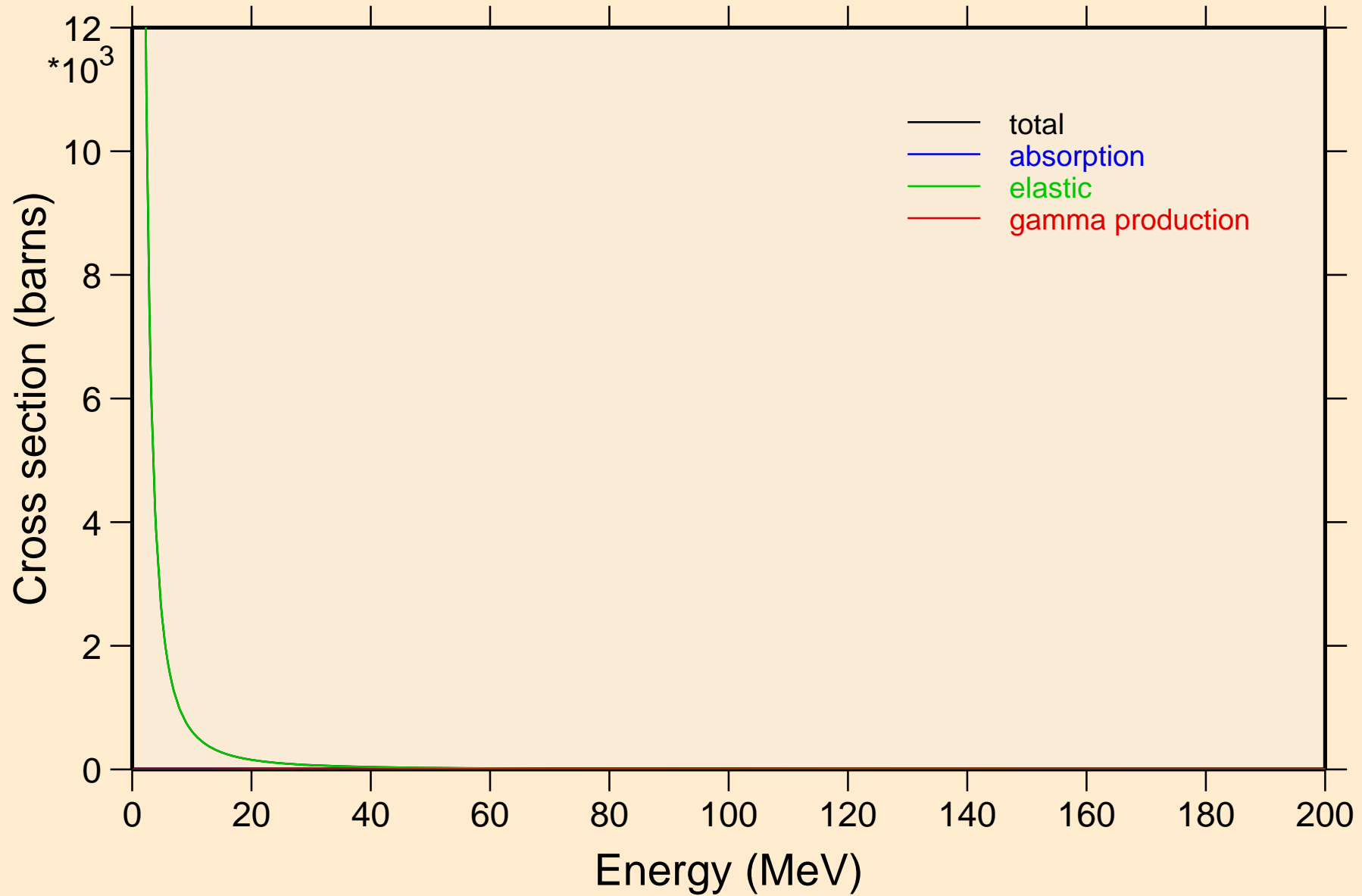
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K

Heating



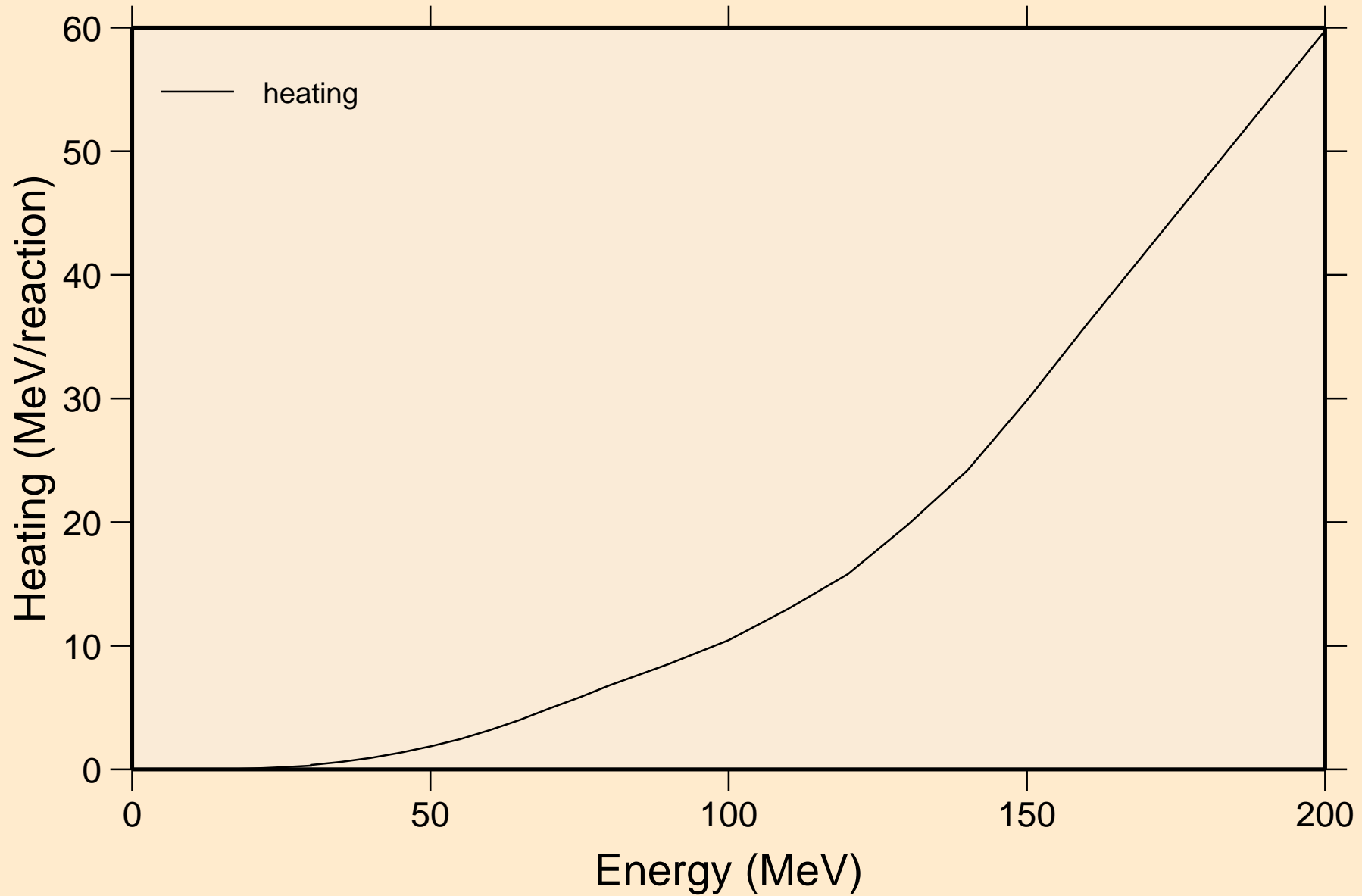
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## Principal cross sections

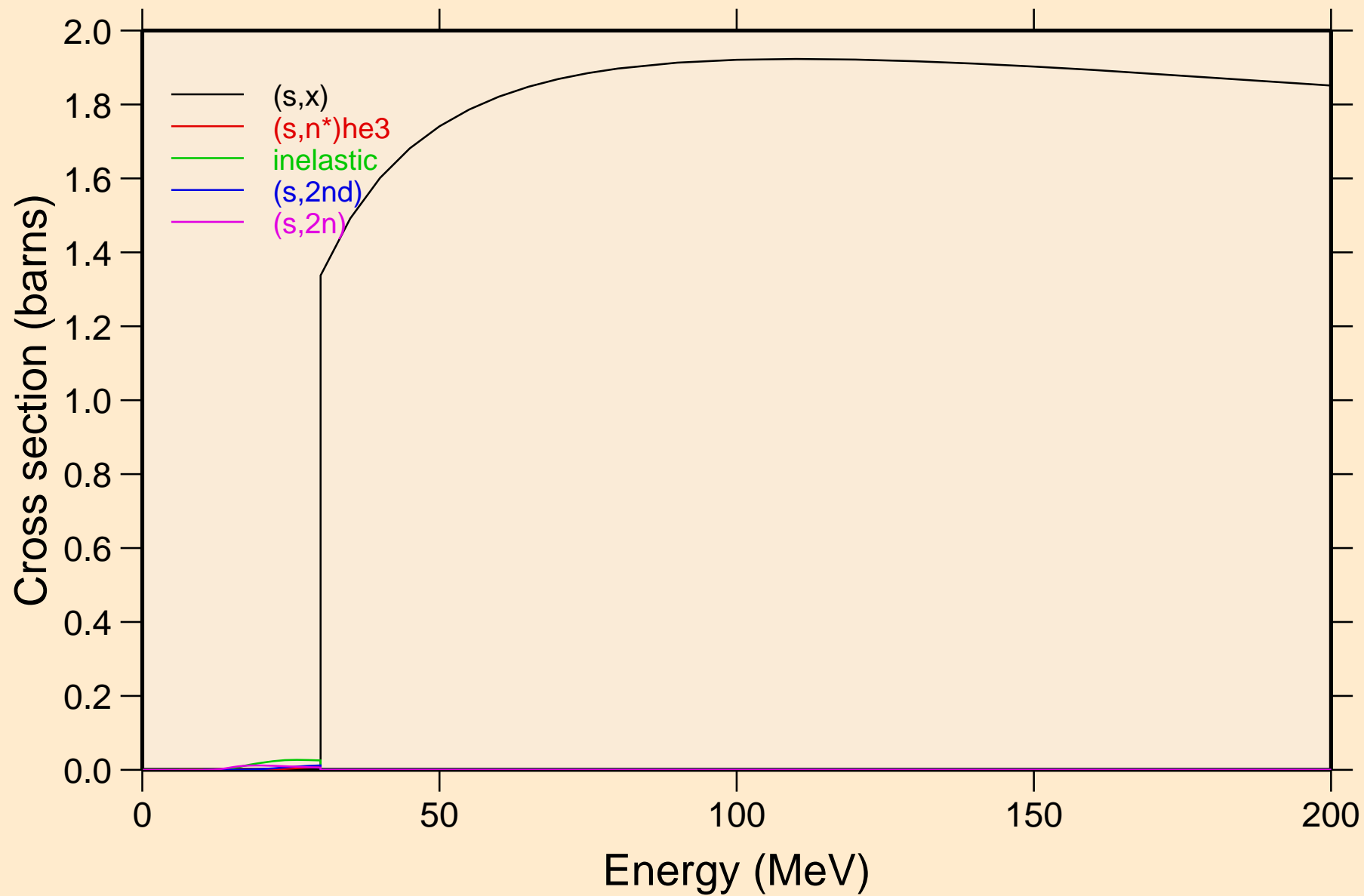


IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K

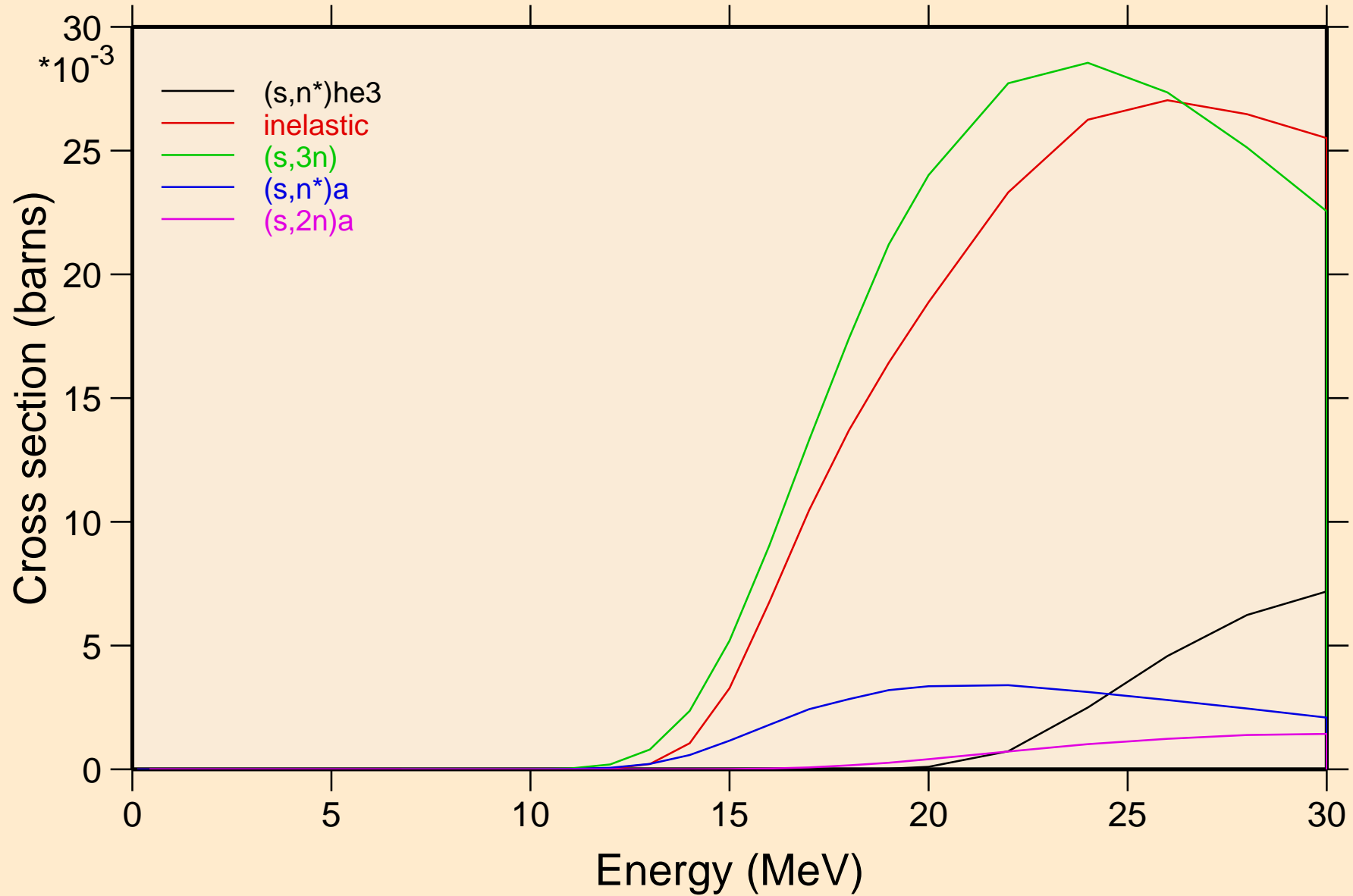
Heating



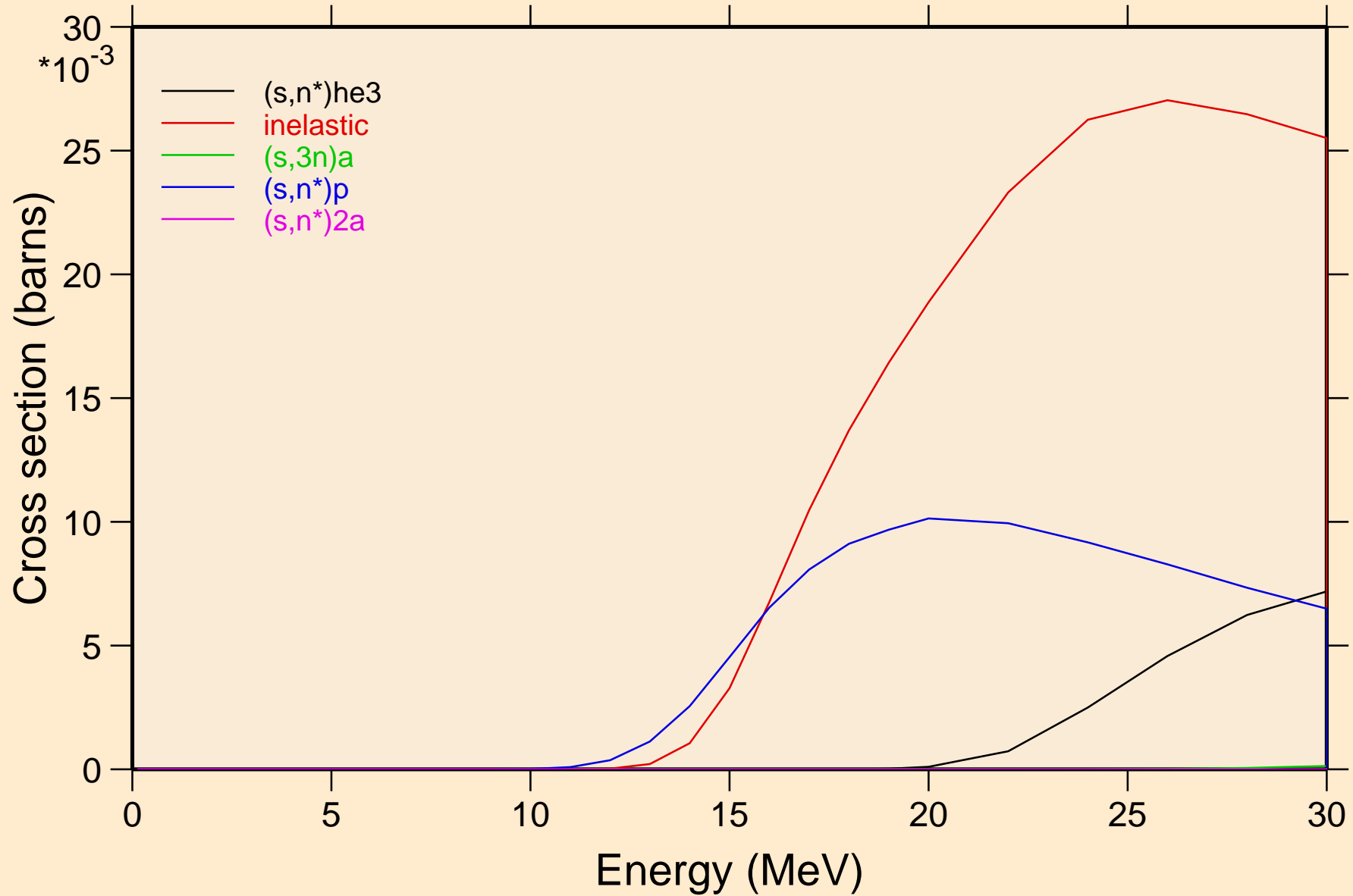
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



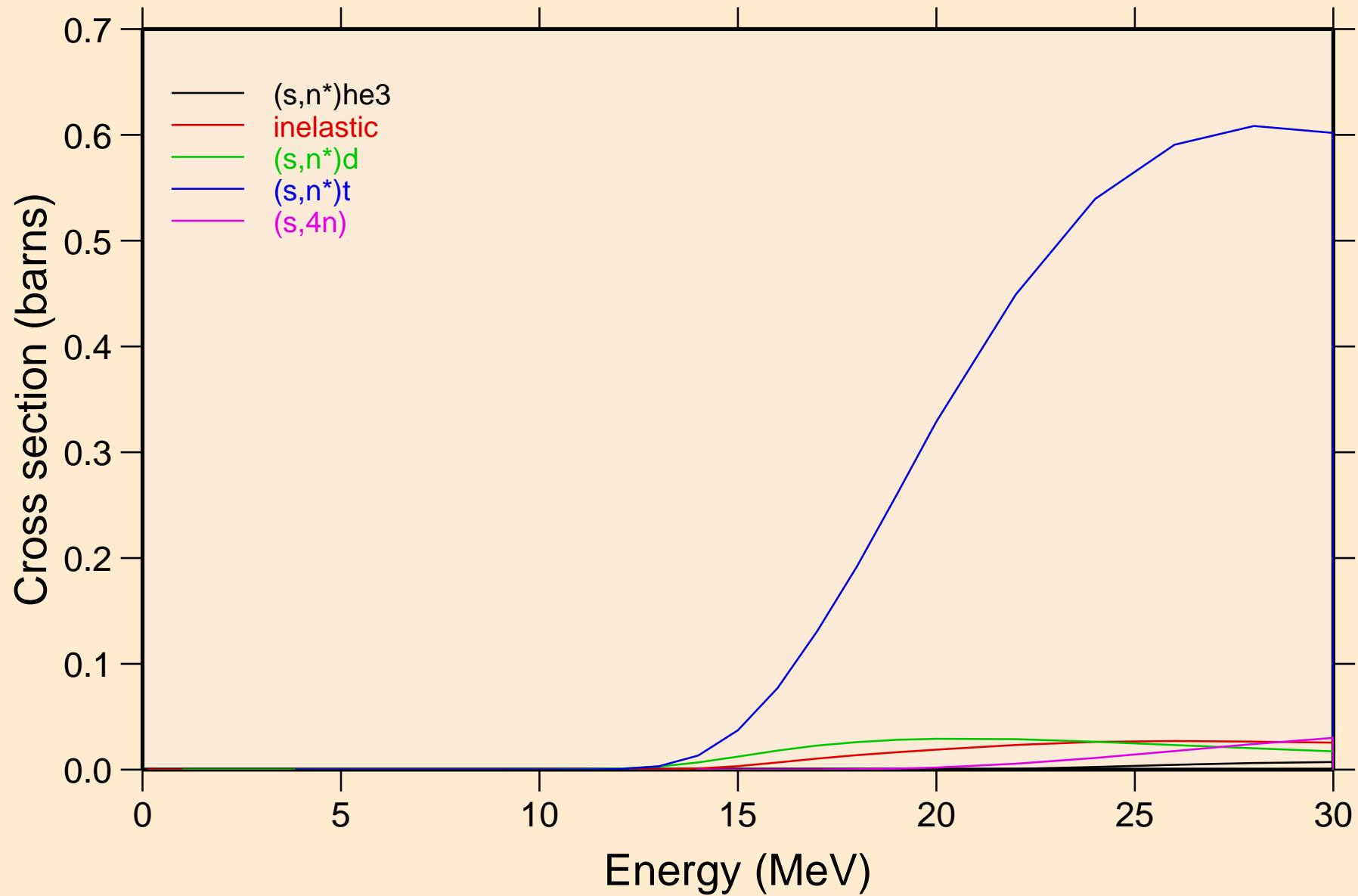
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

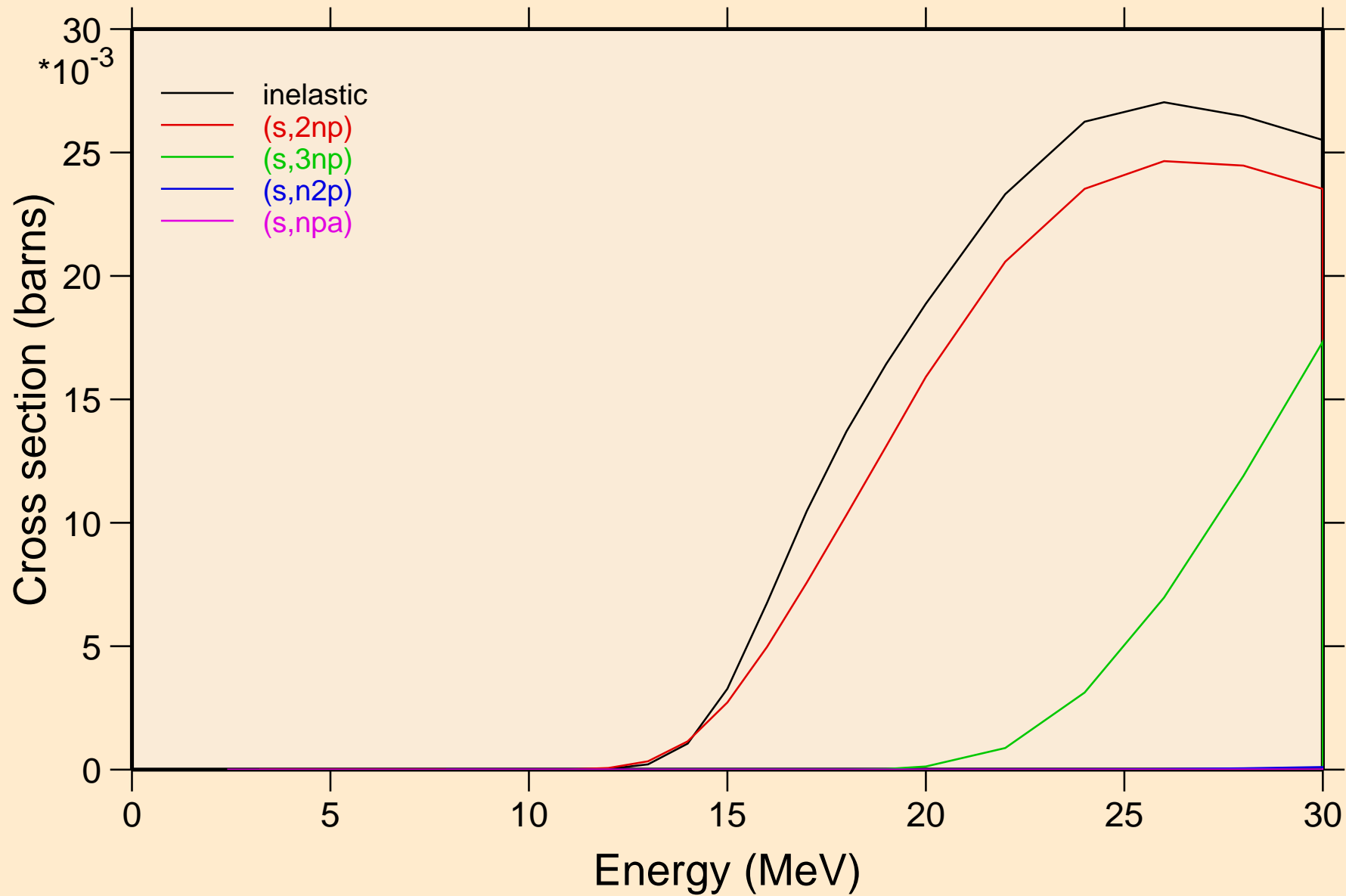


IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



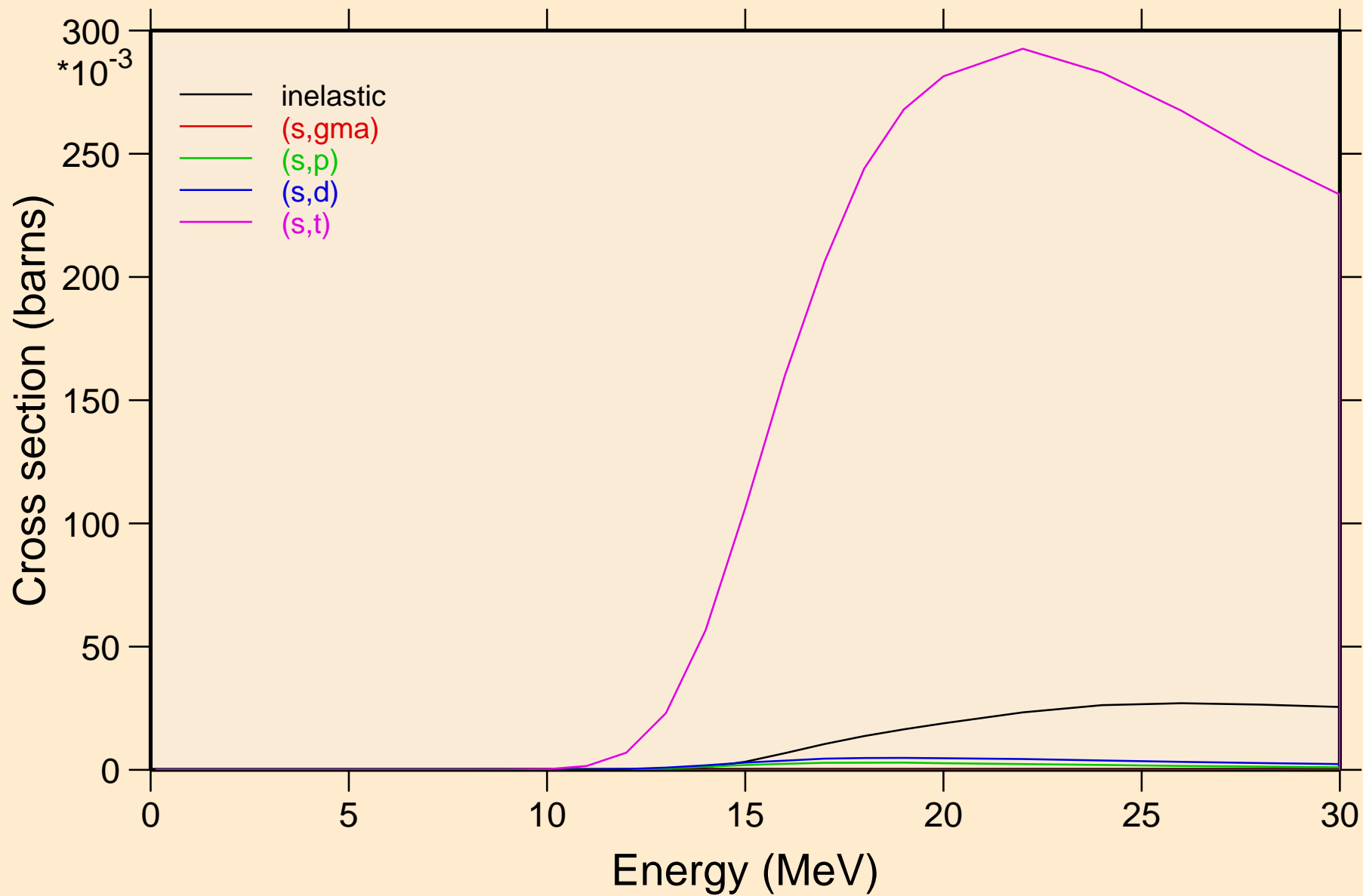


IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

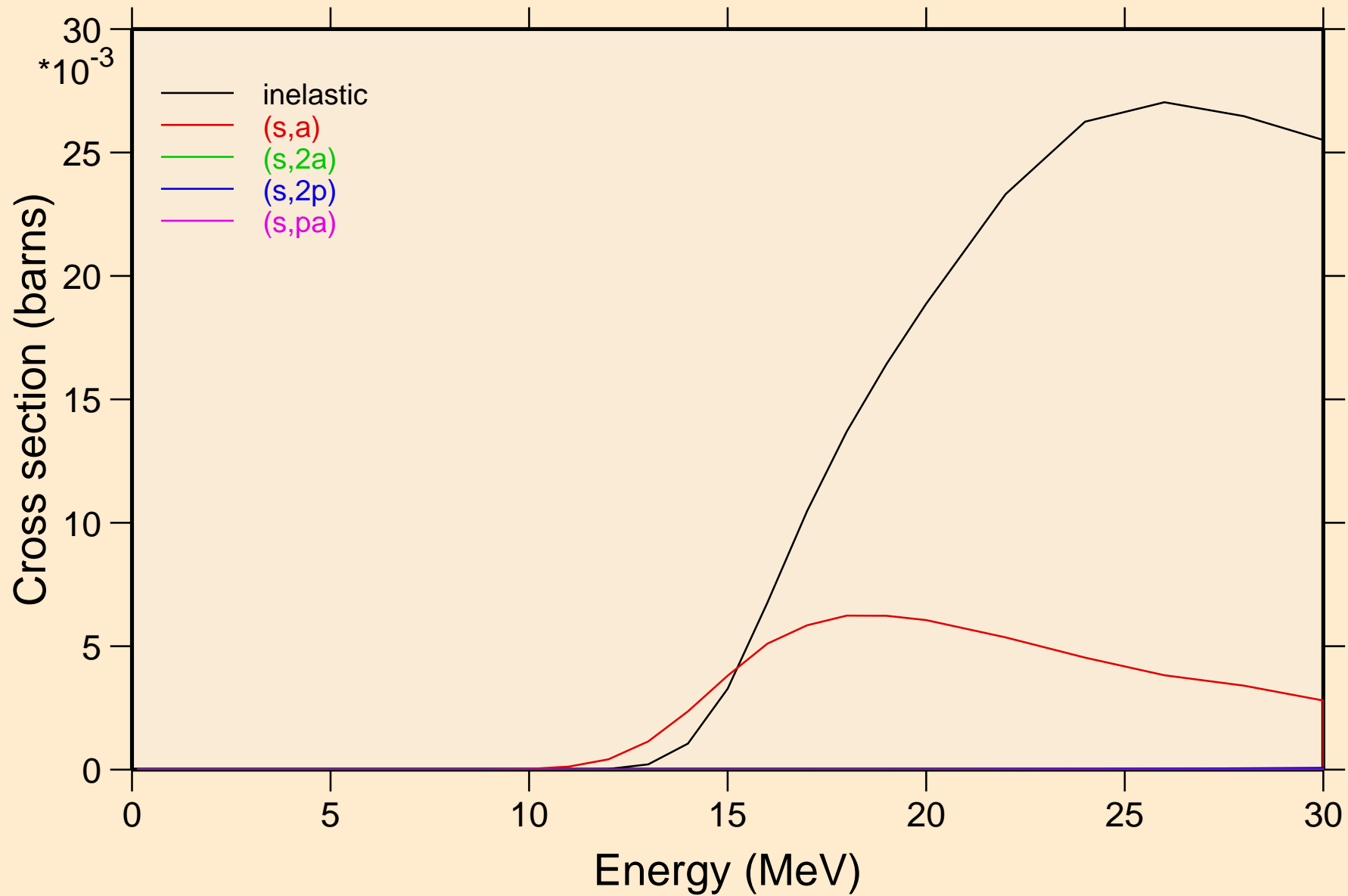


# IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K

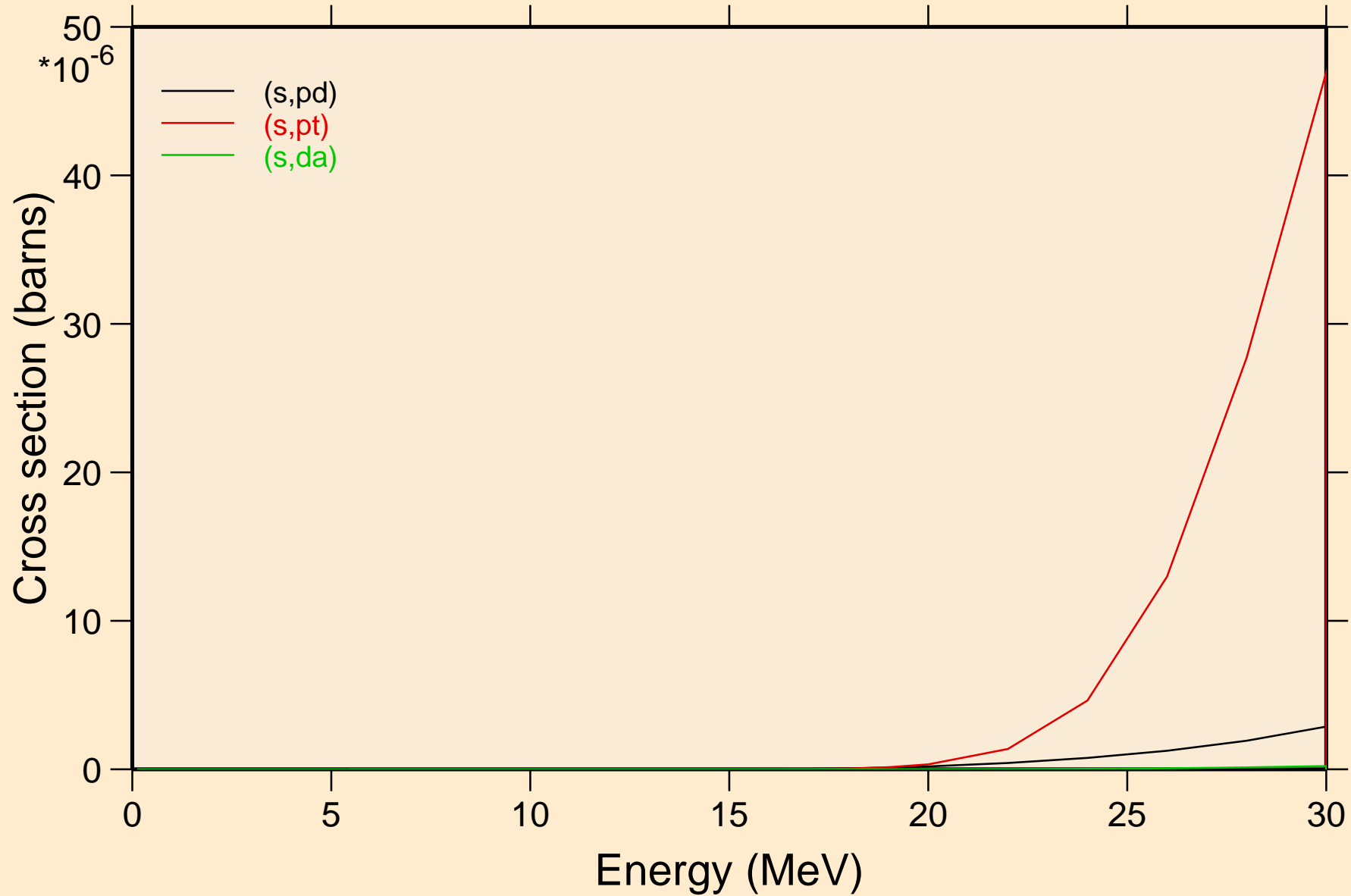
## Threshold reactions



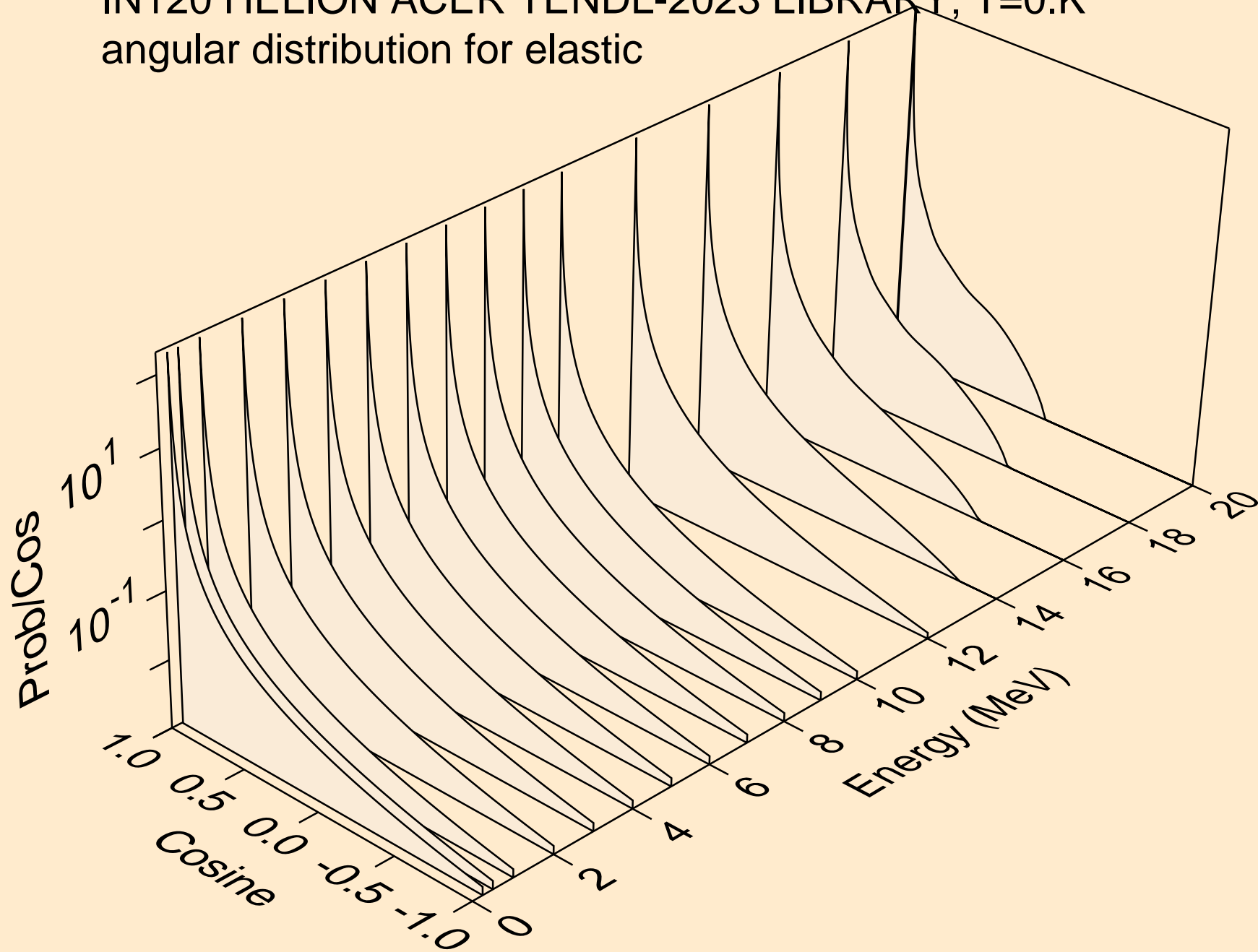
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



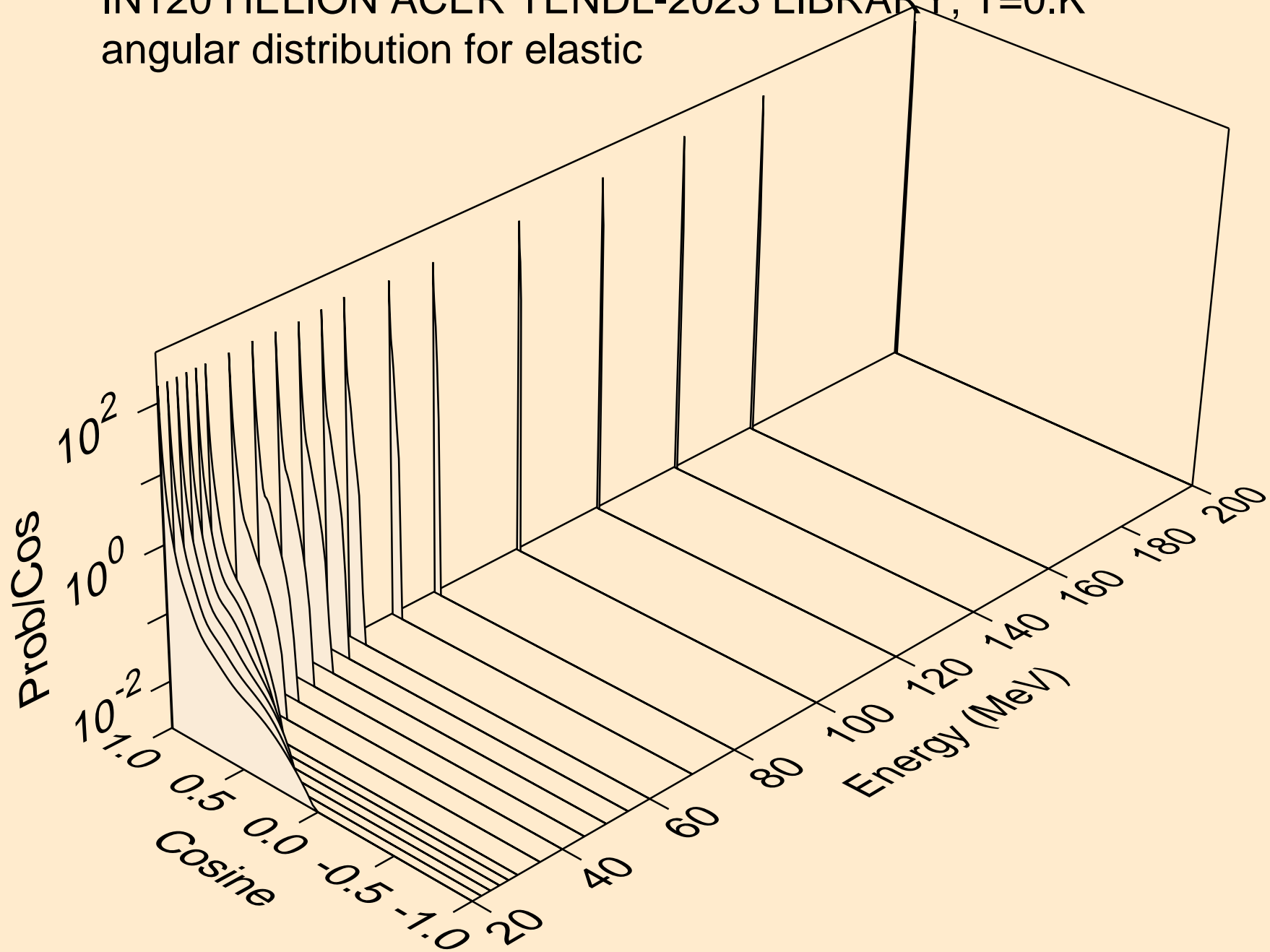
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



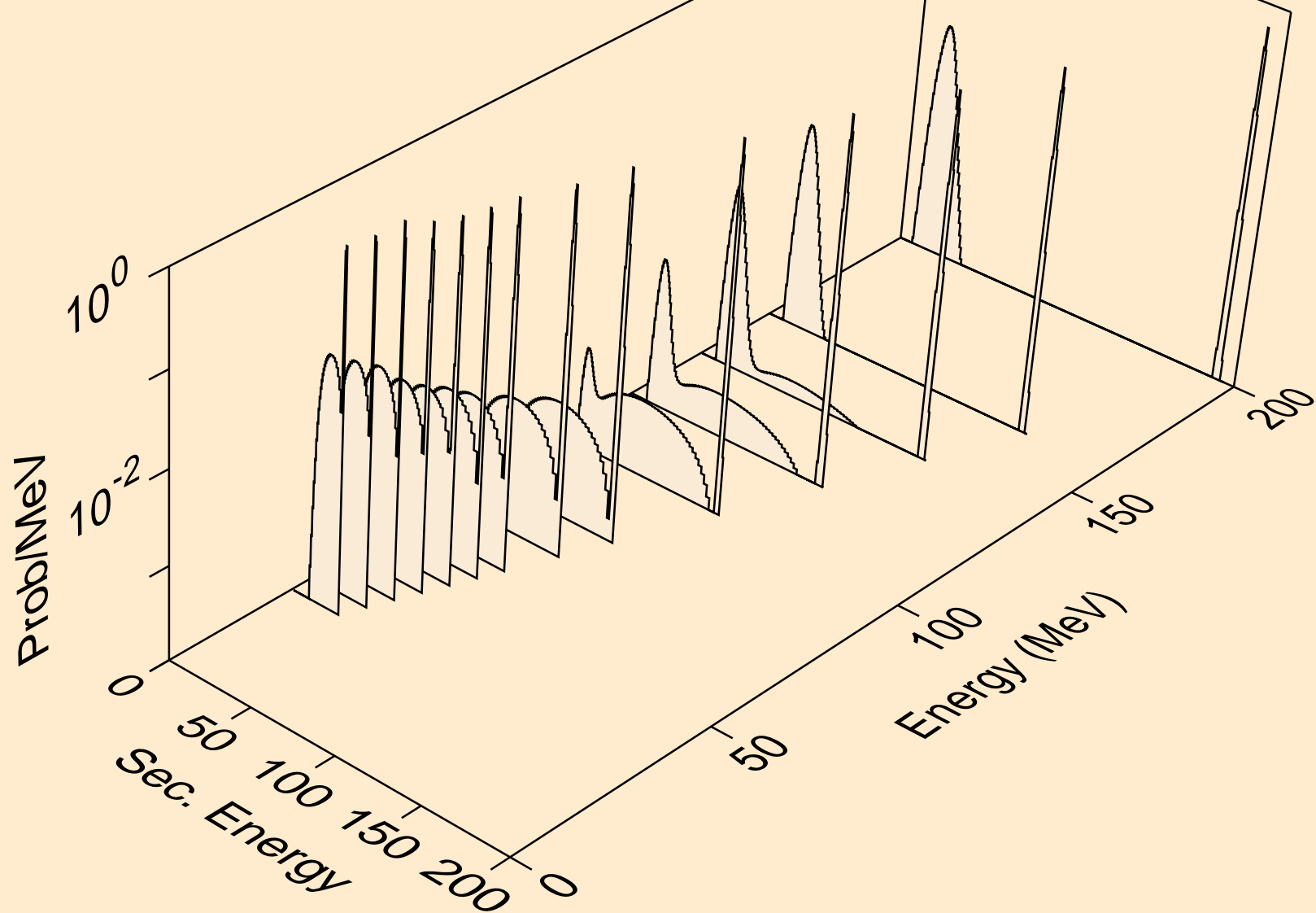
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



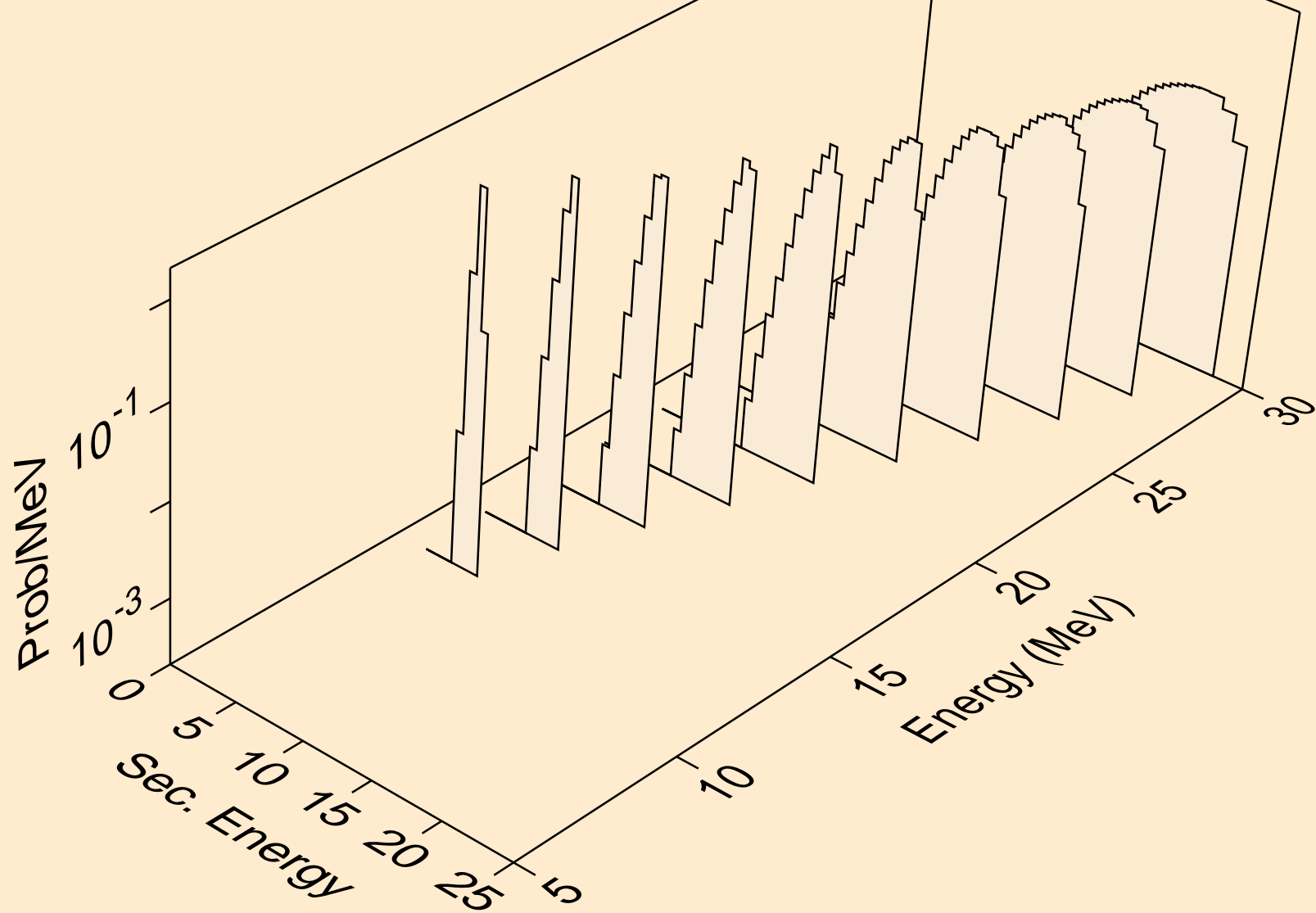
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)

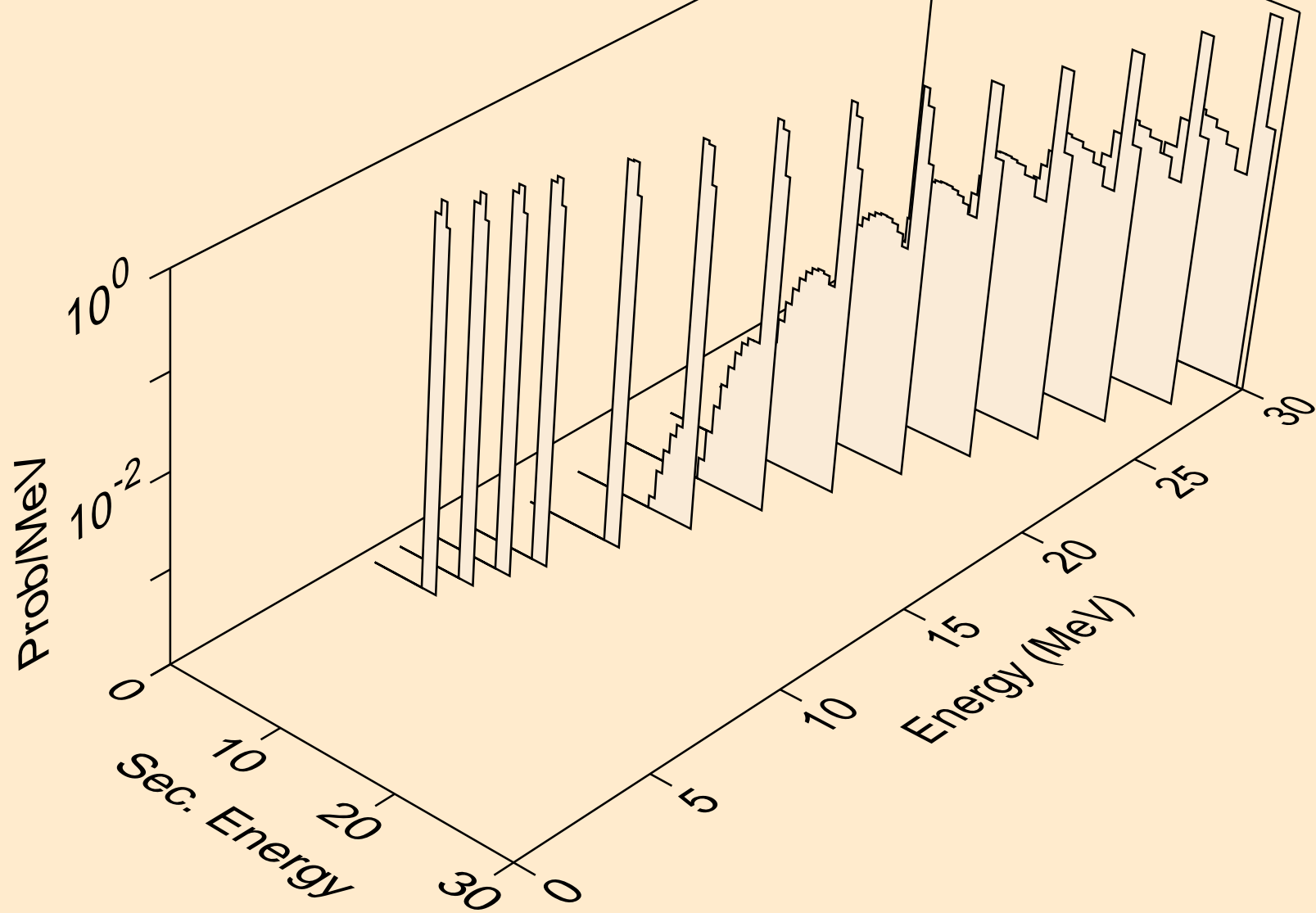


IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

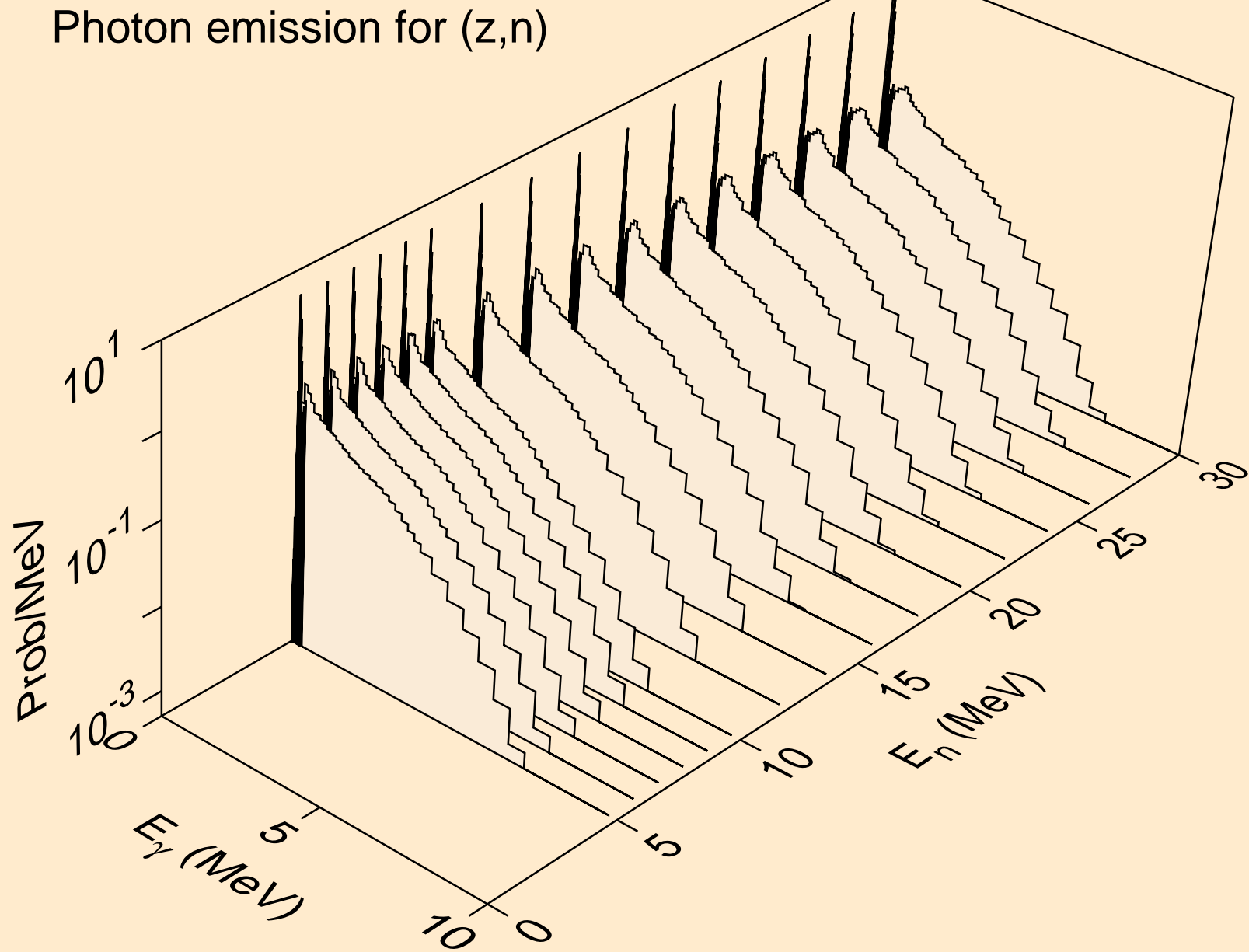




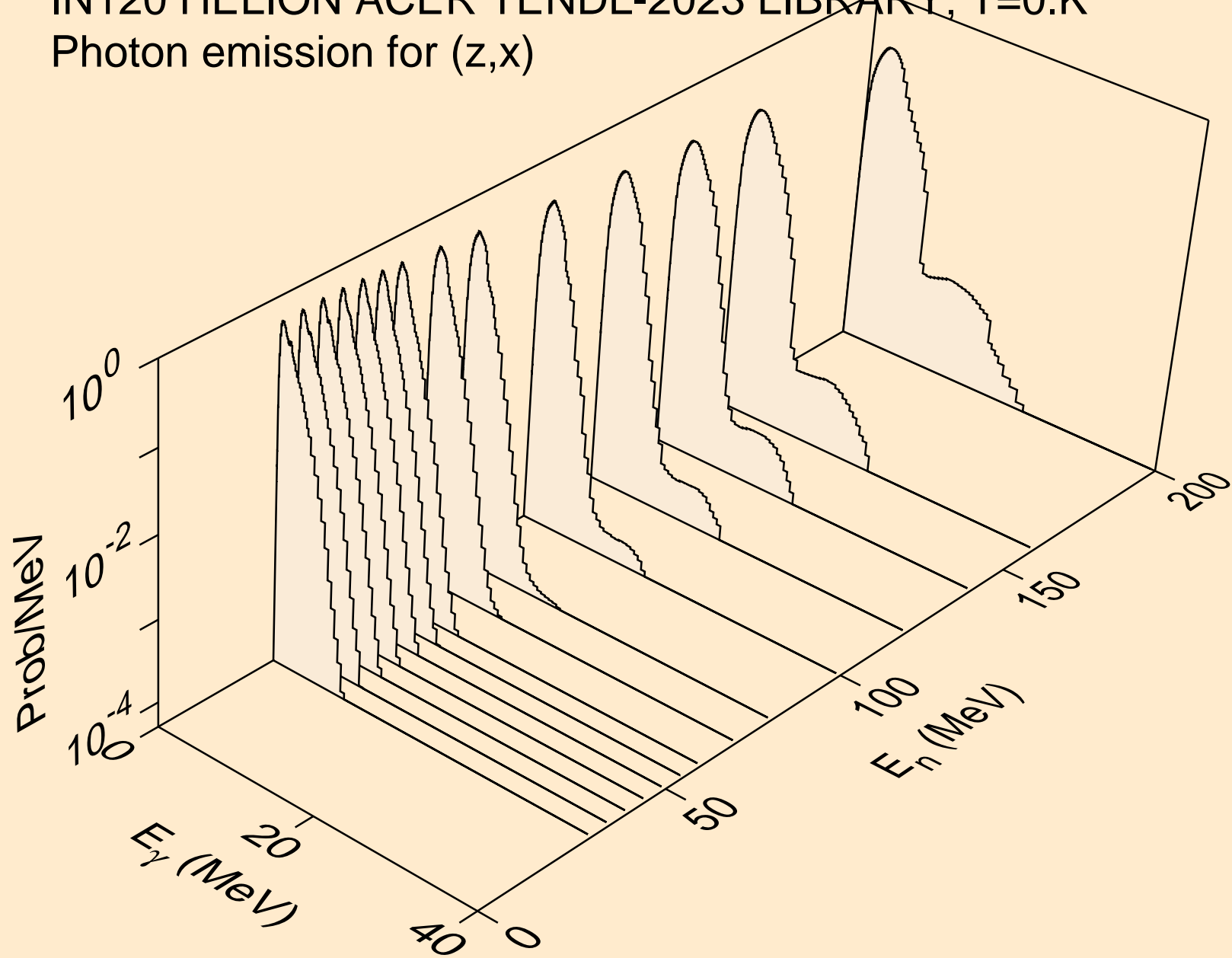
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic



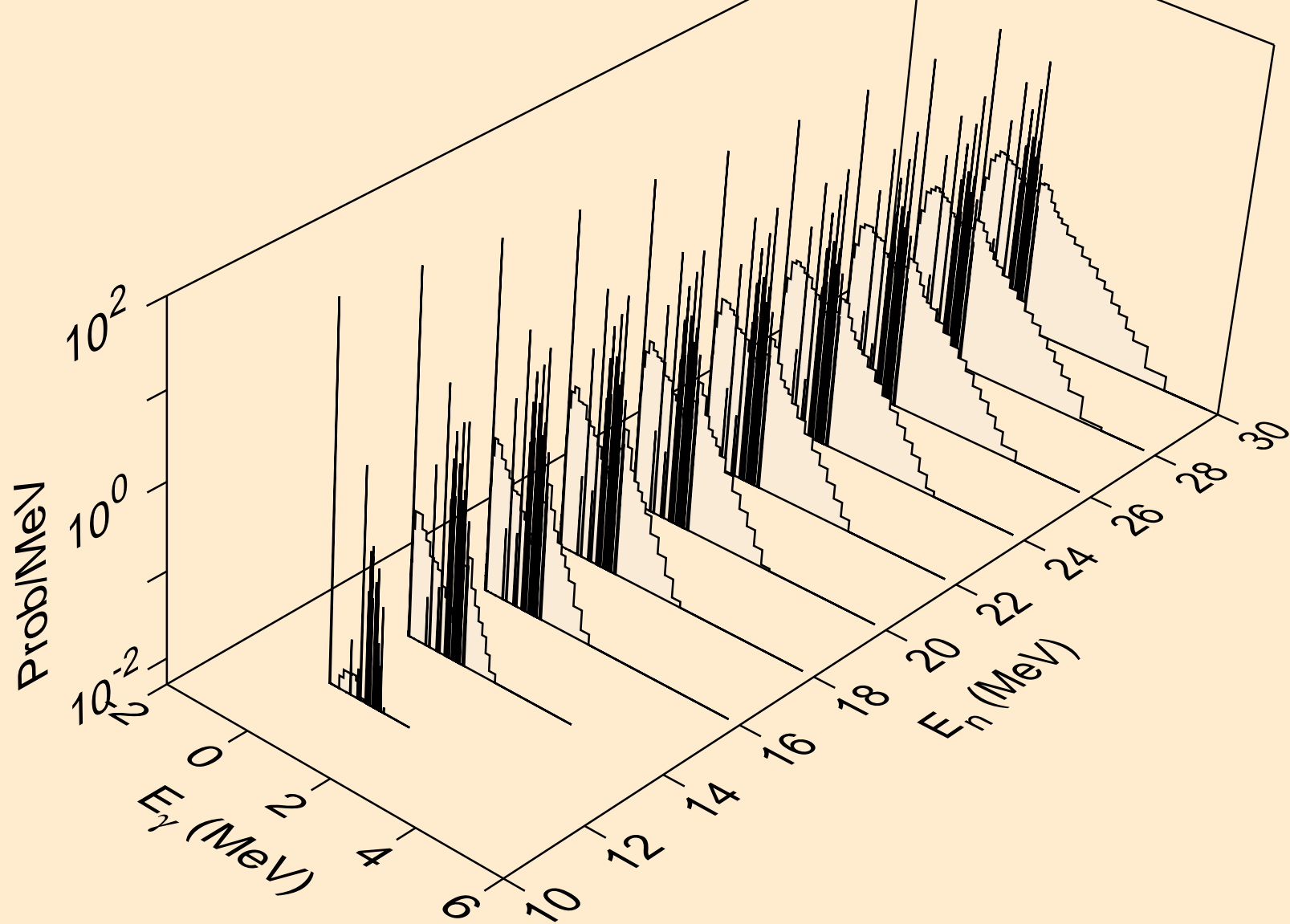
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



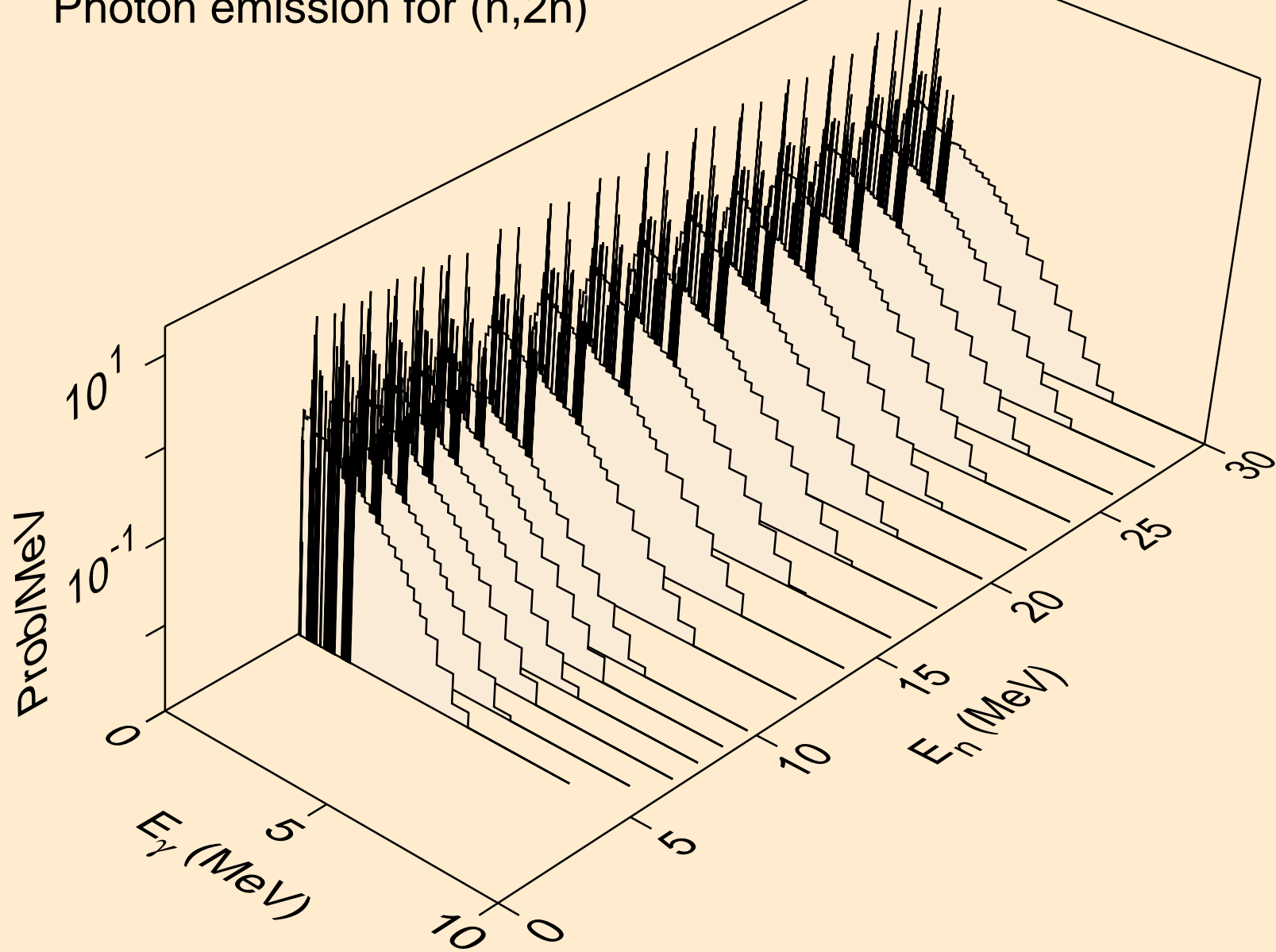
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



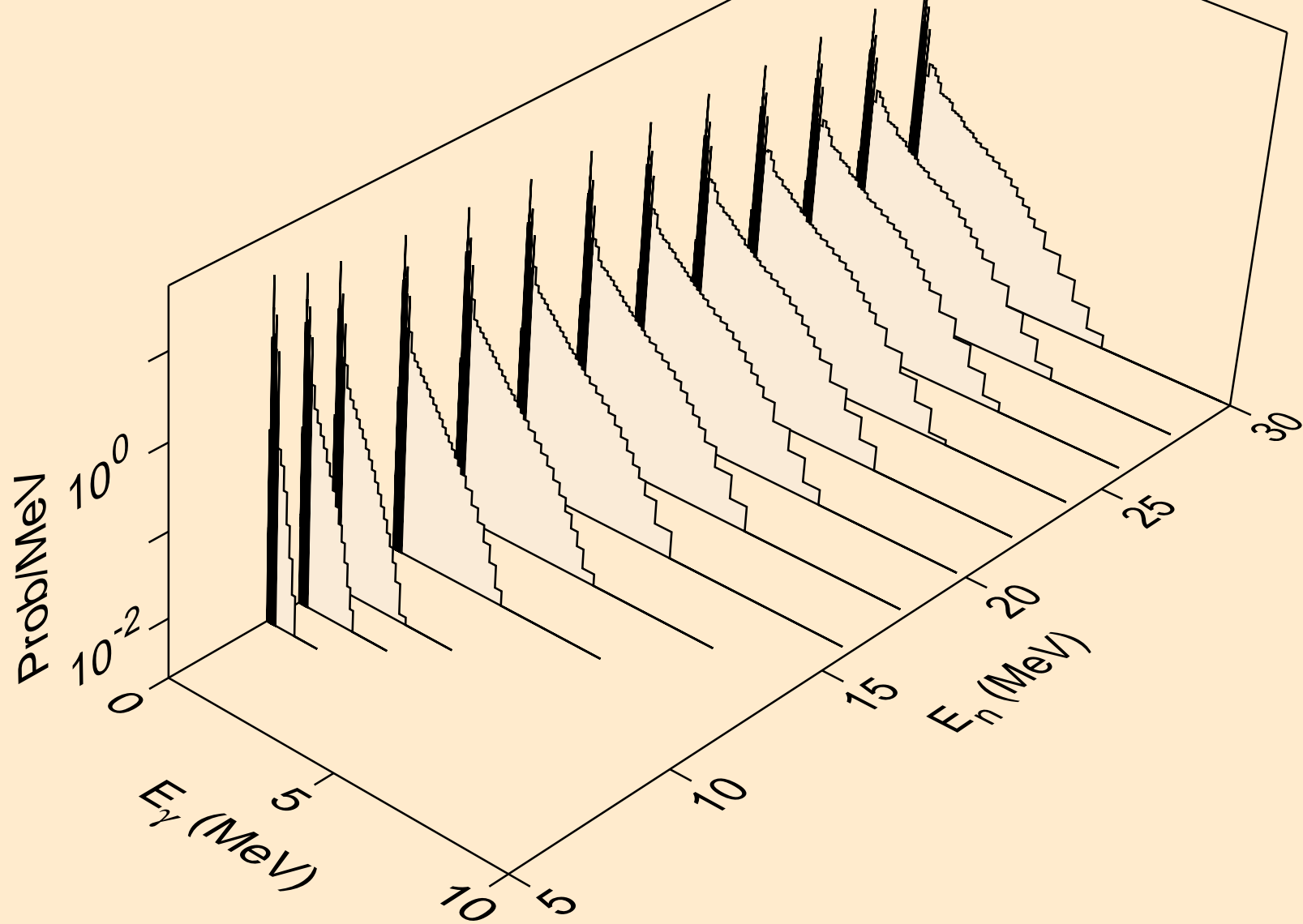
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



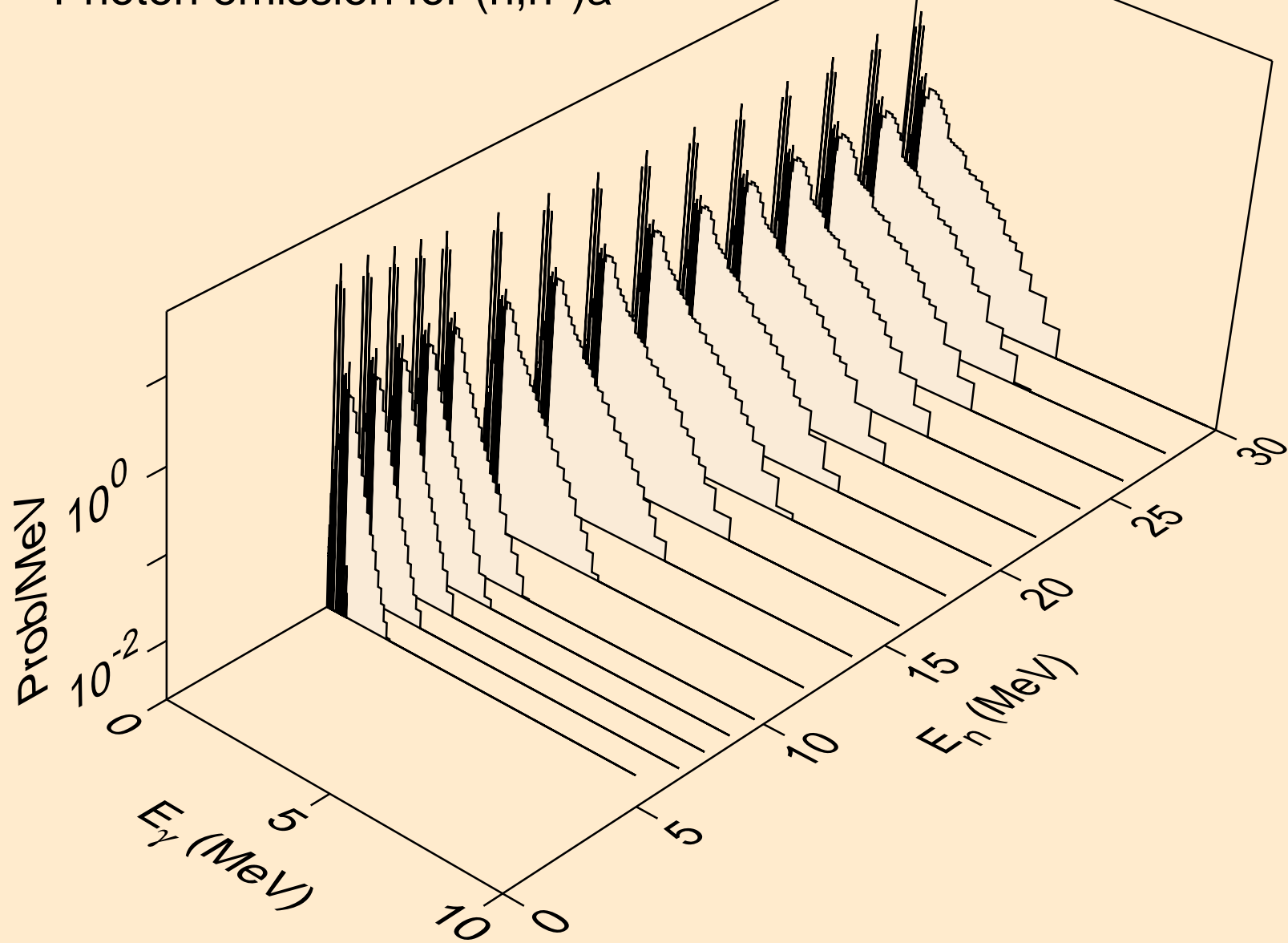
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



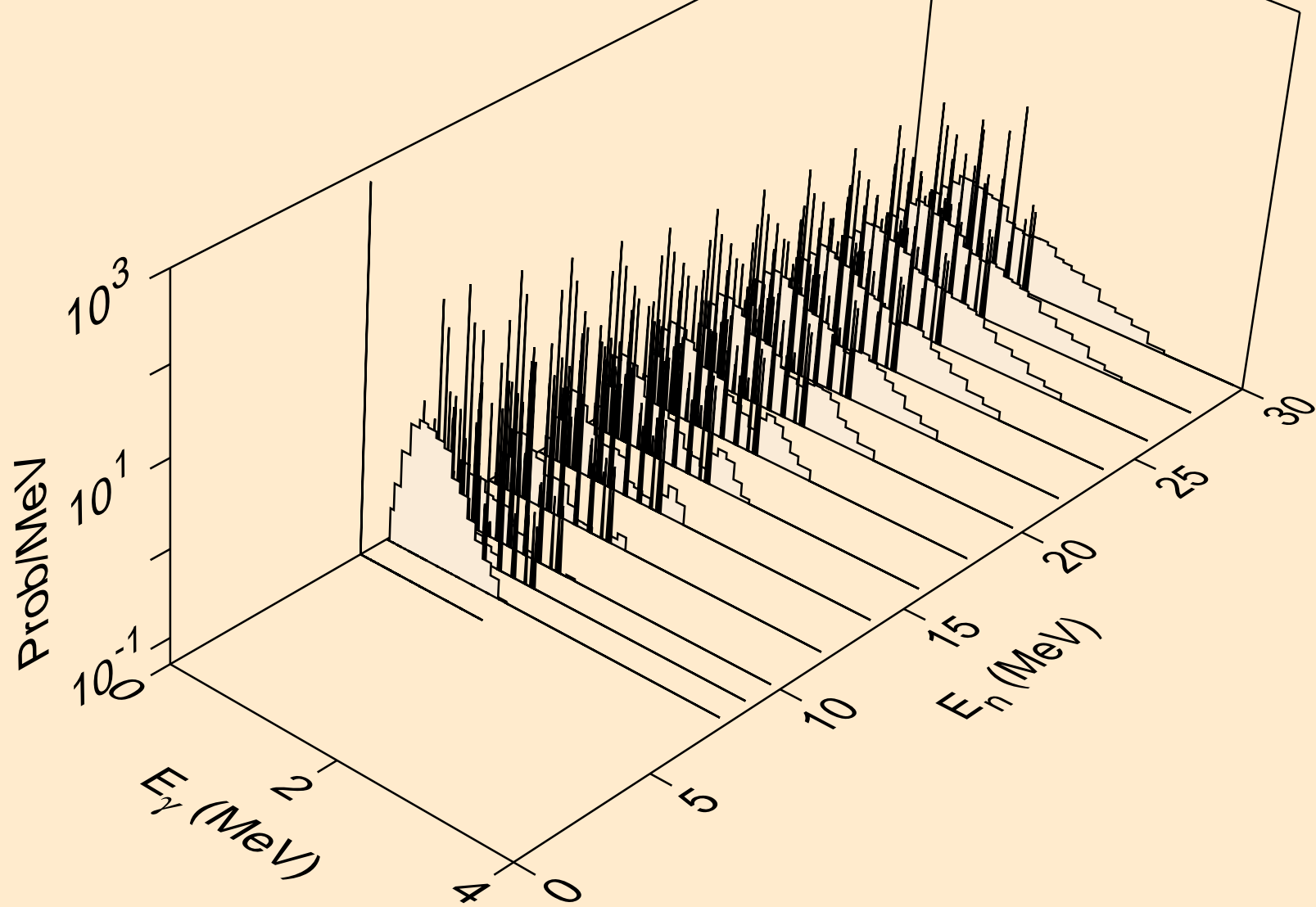
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

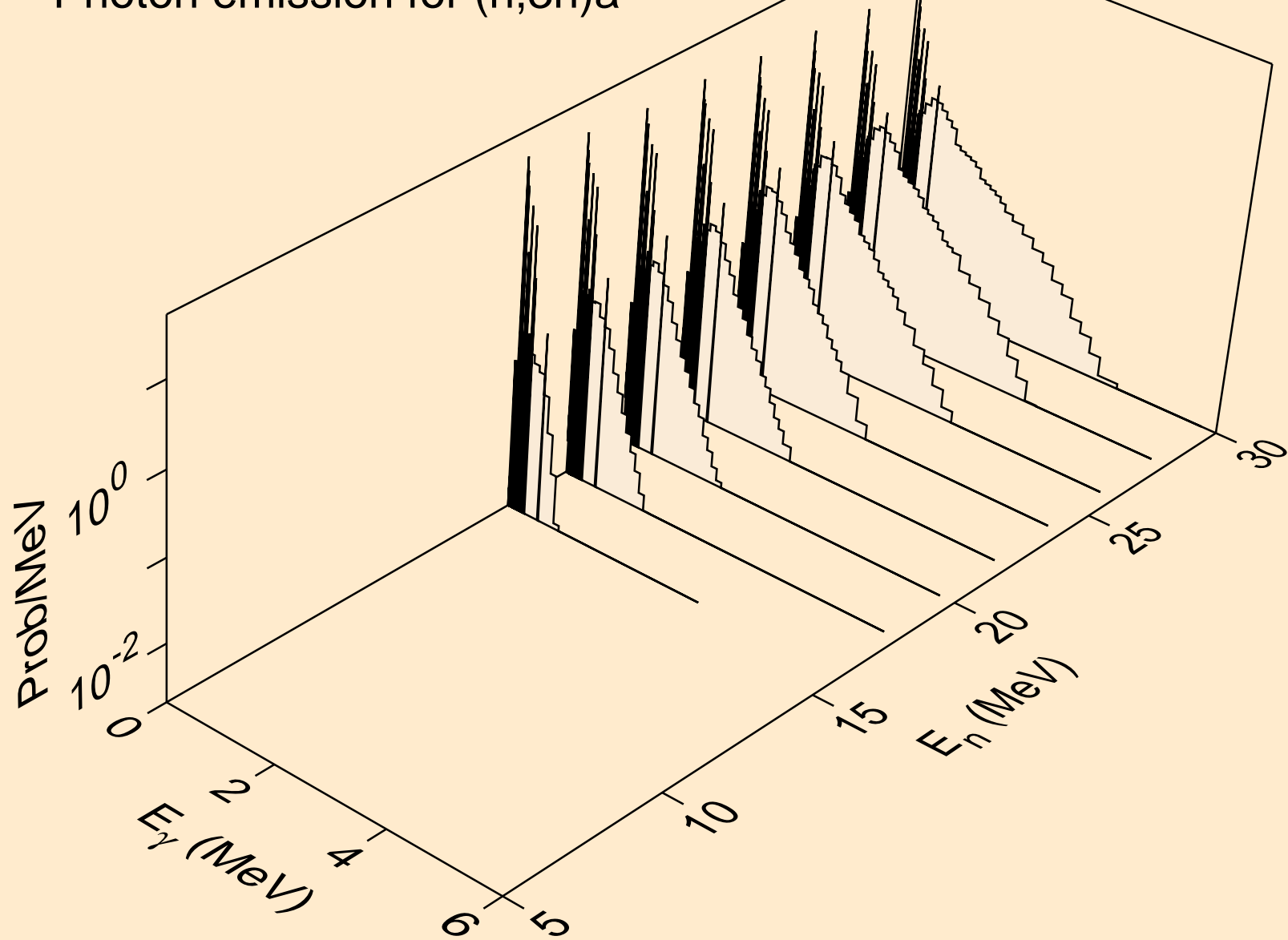


IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

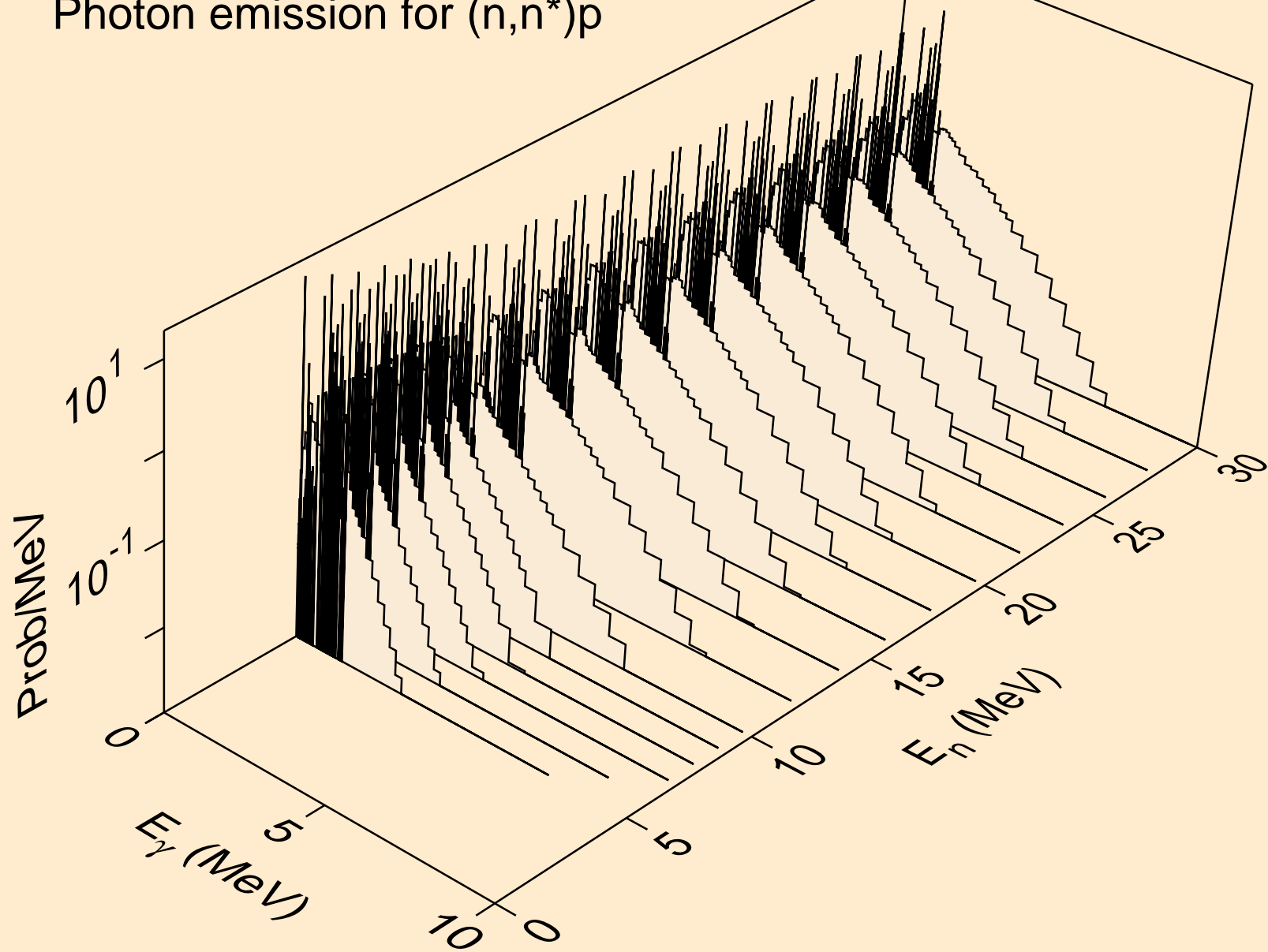




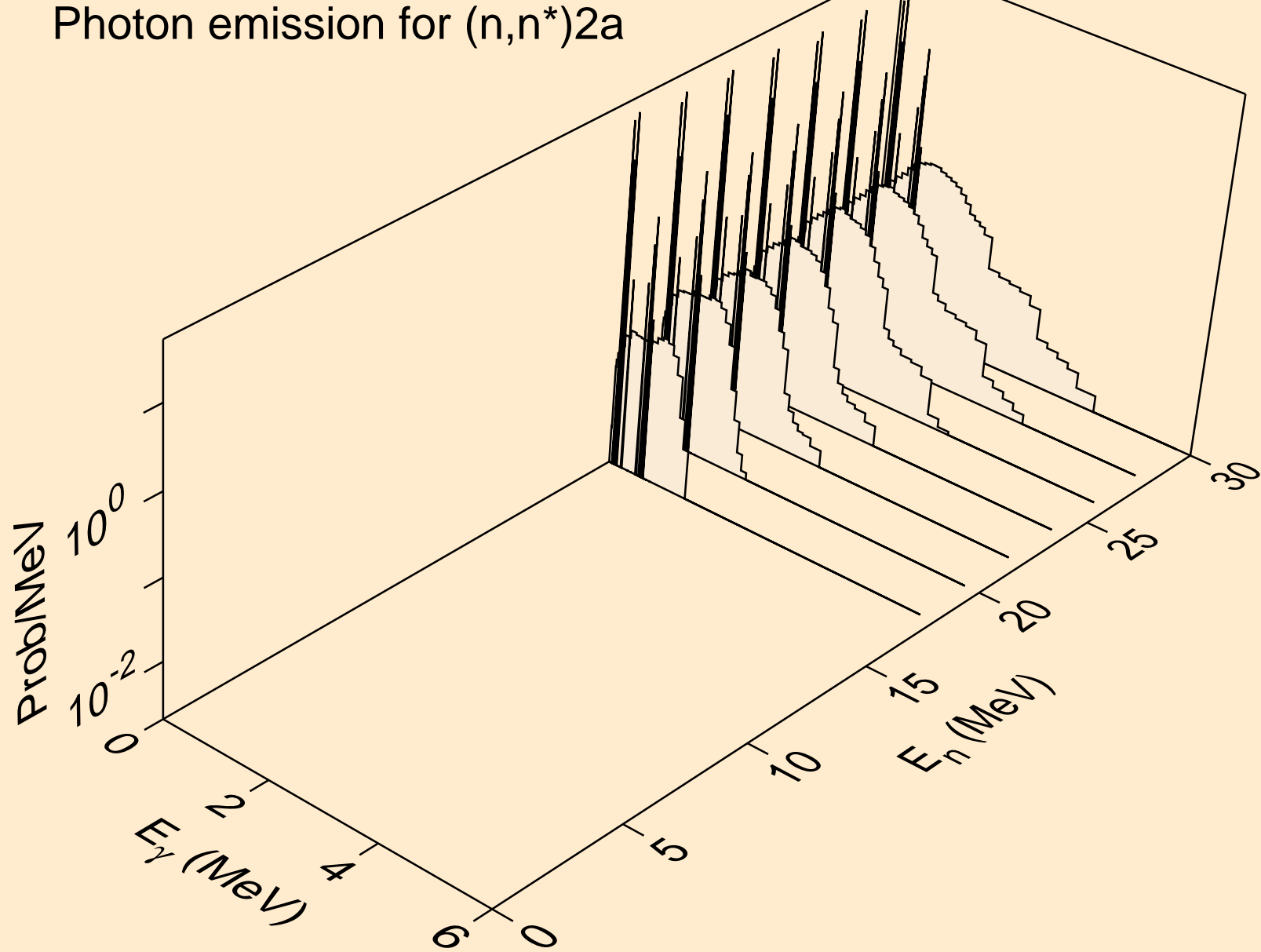
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Photon emission for (n,3n)a



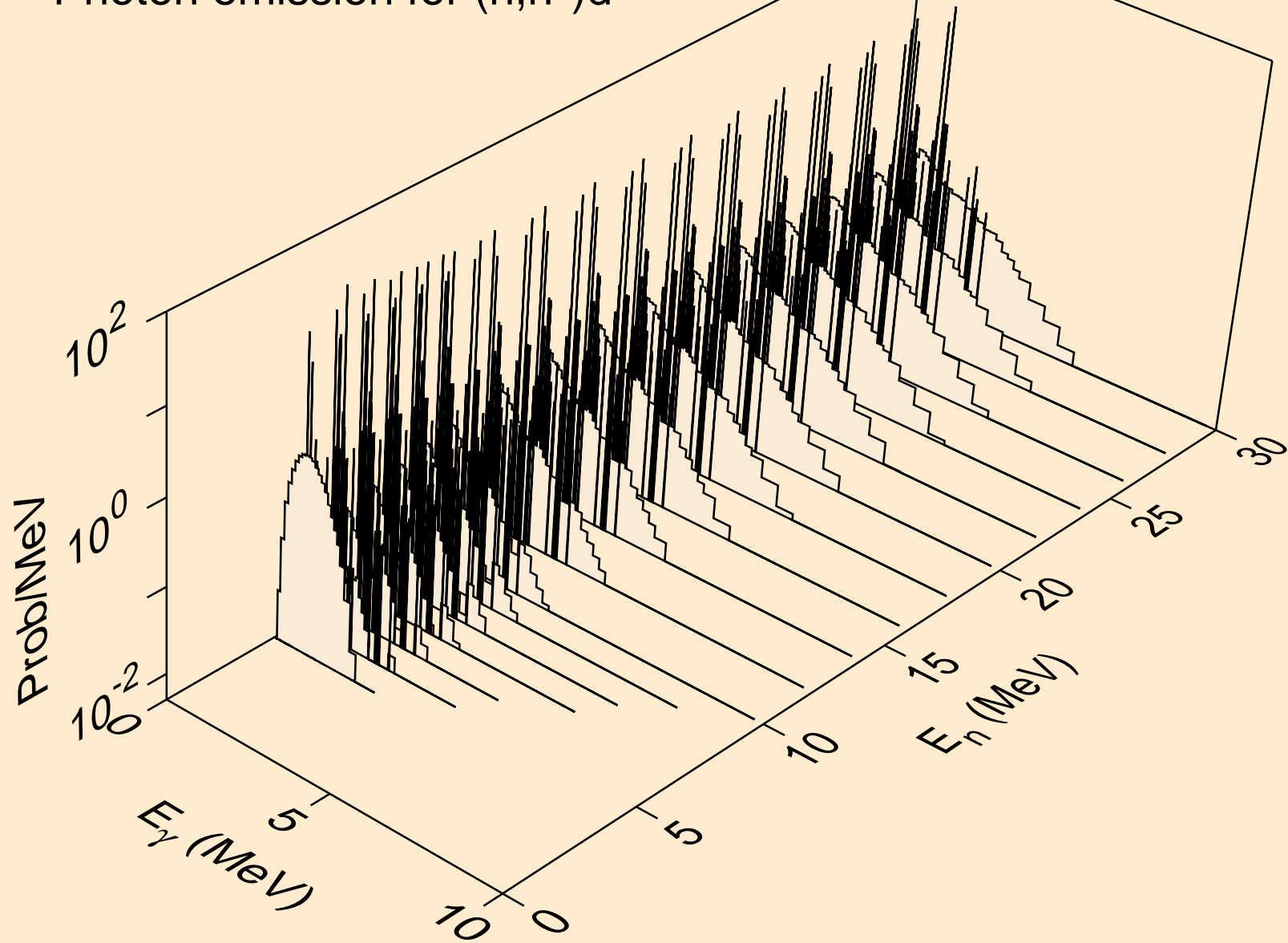
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



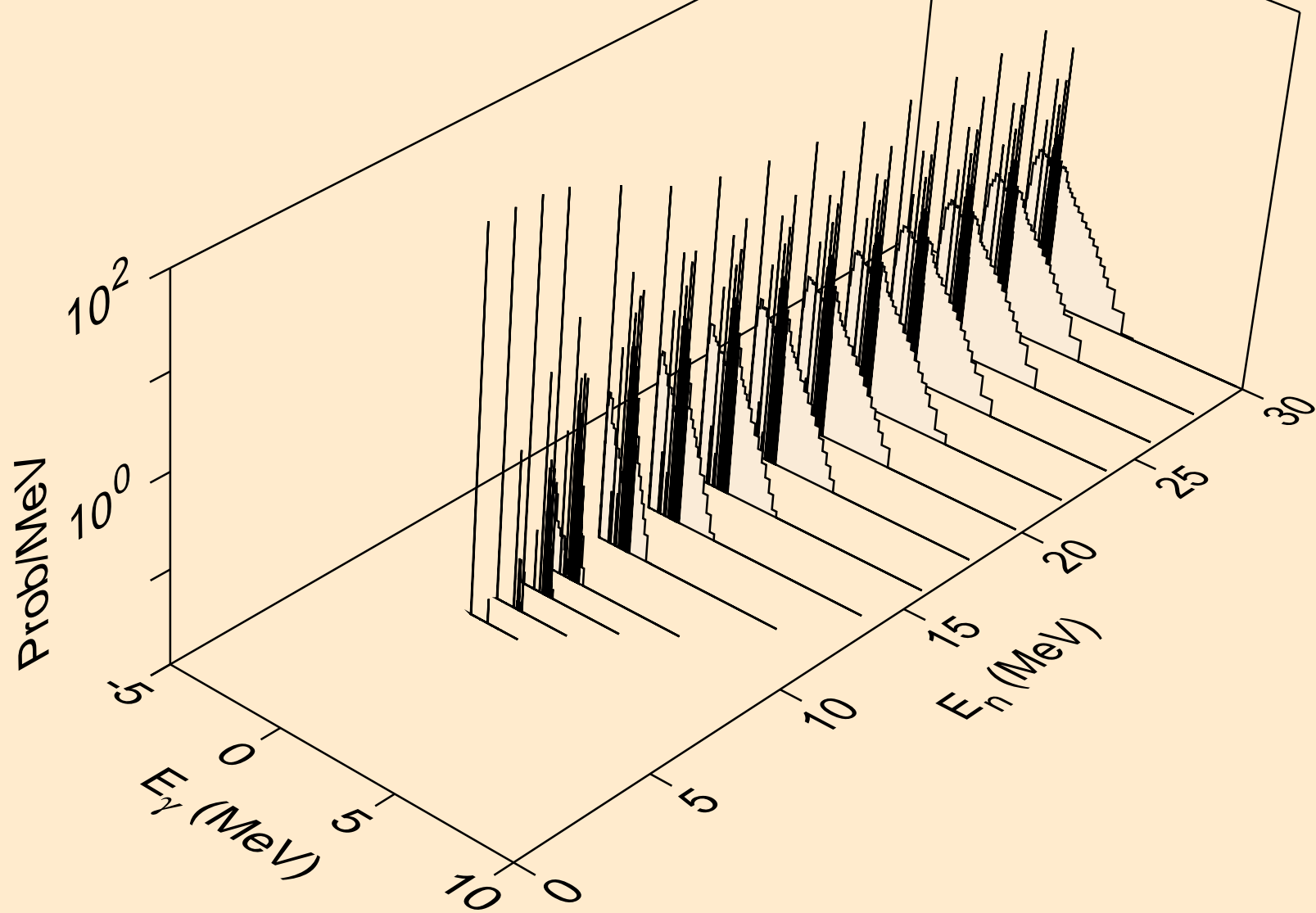
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Photon emission for (n,n\*)2a



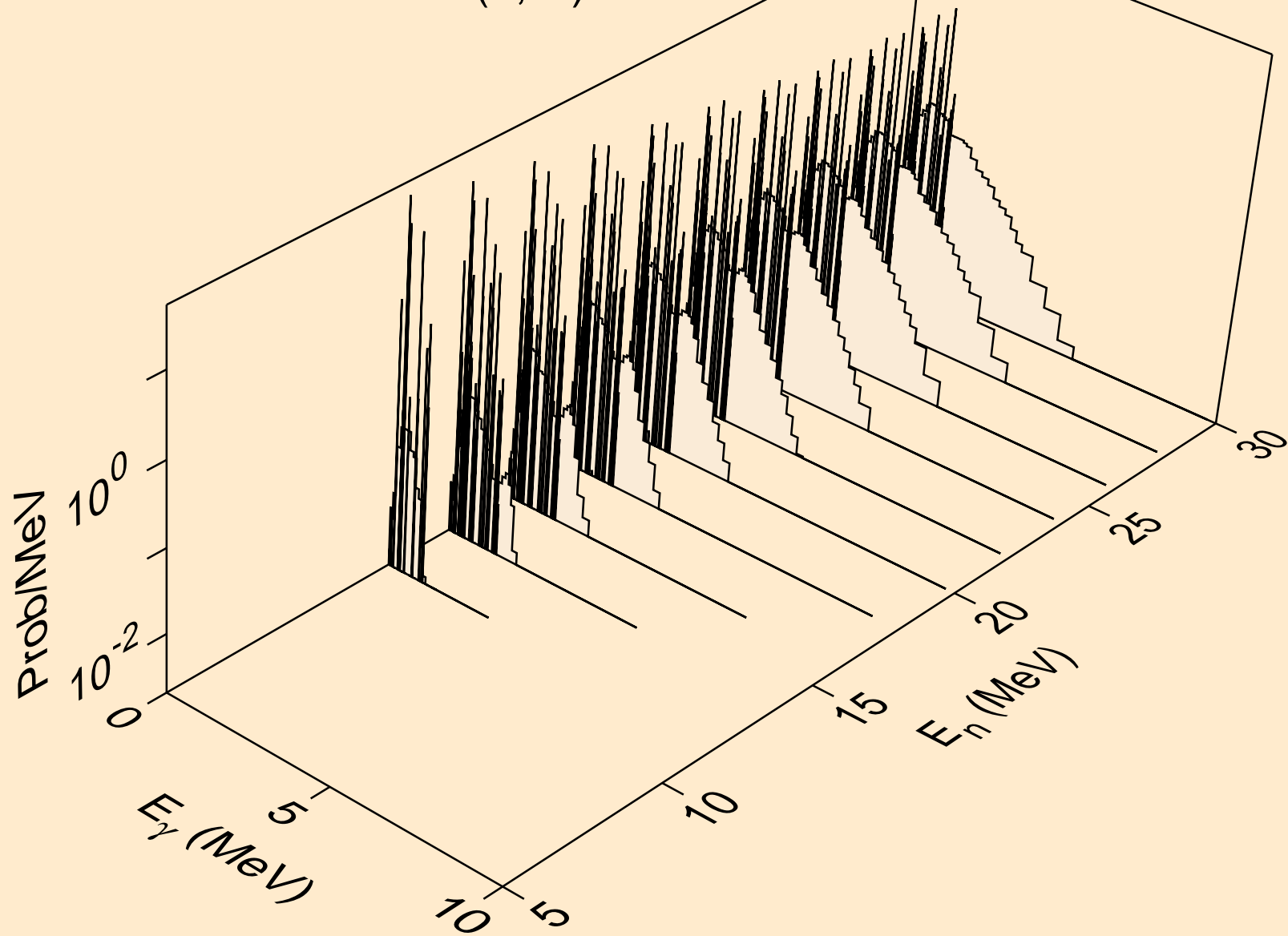
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



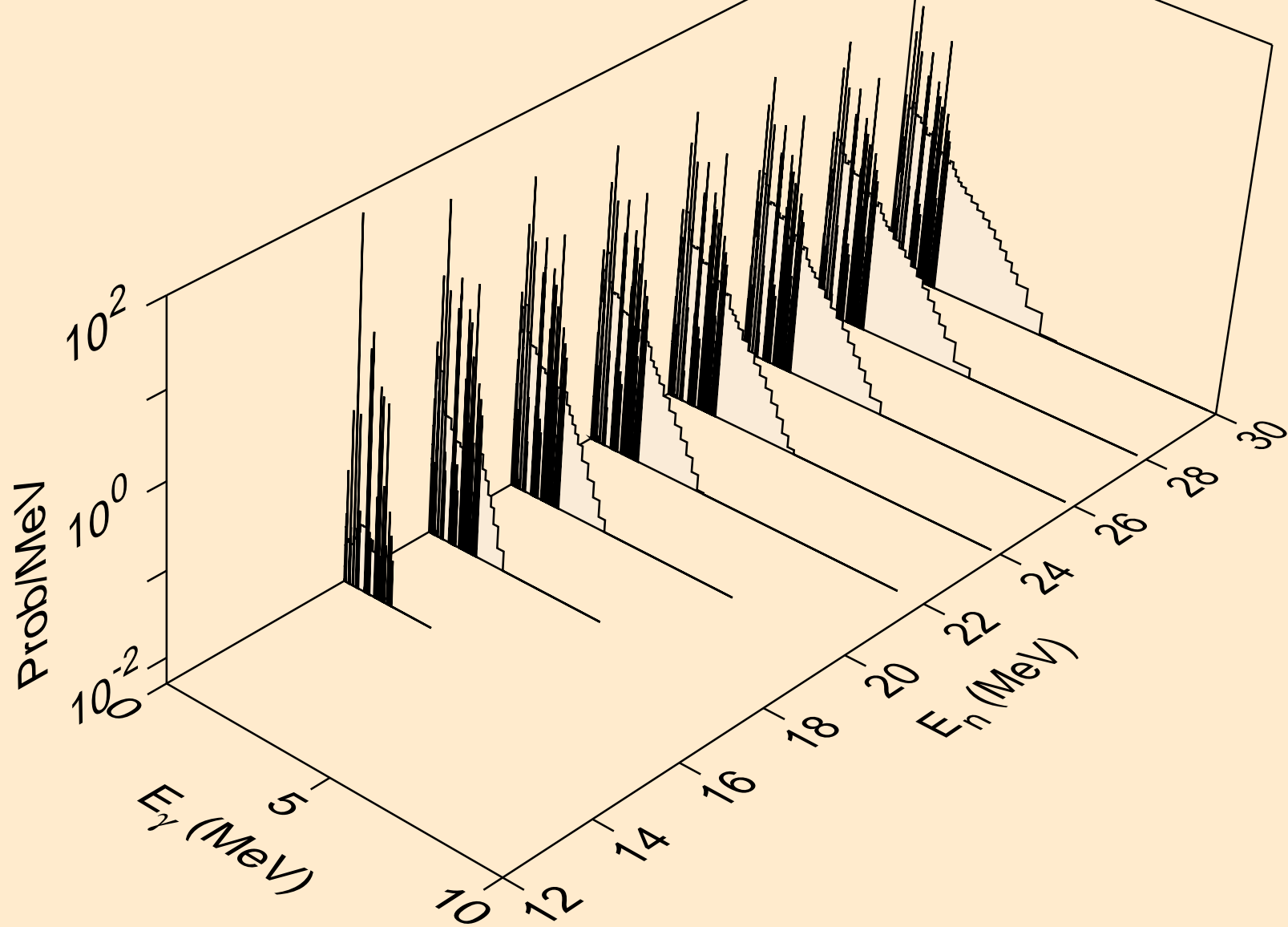
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



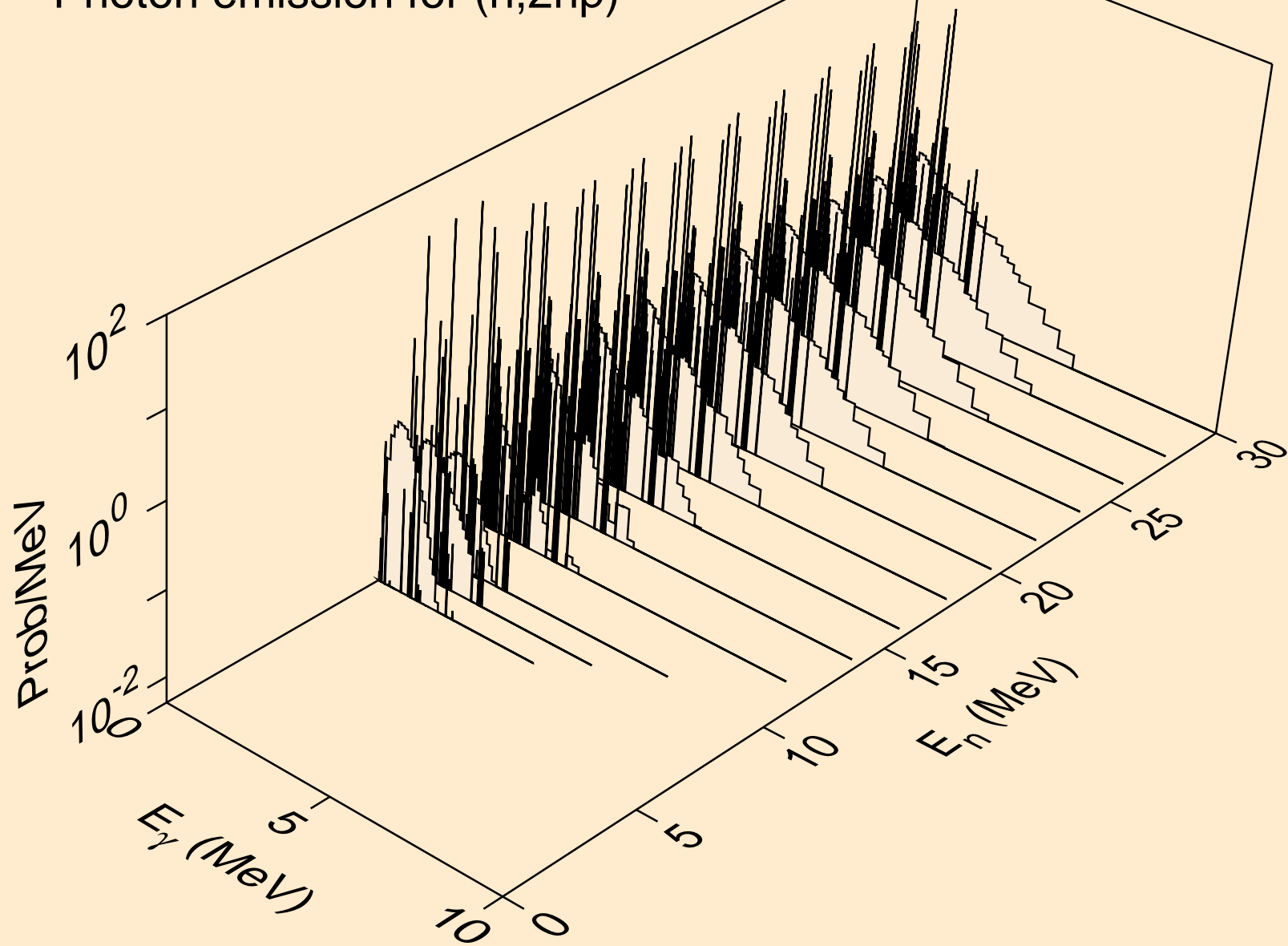
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)

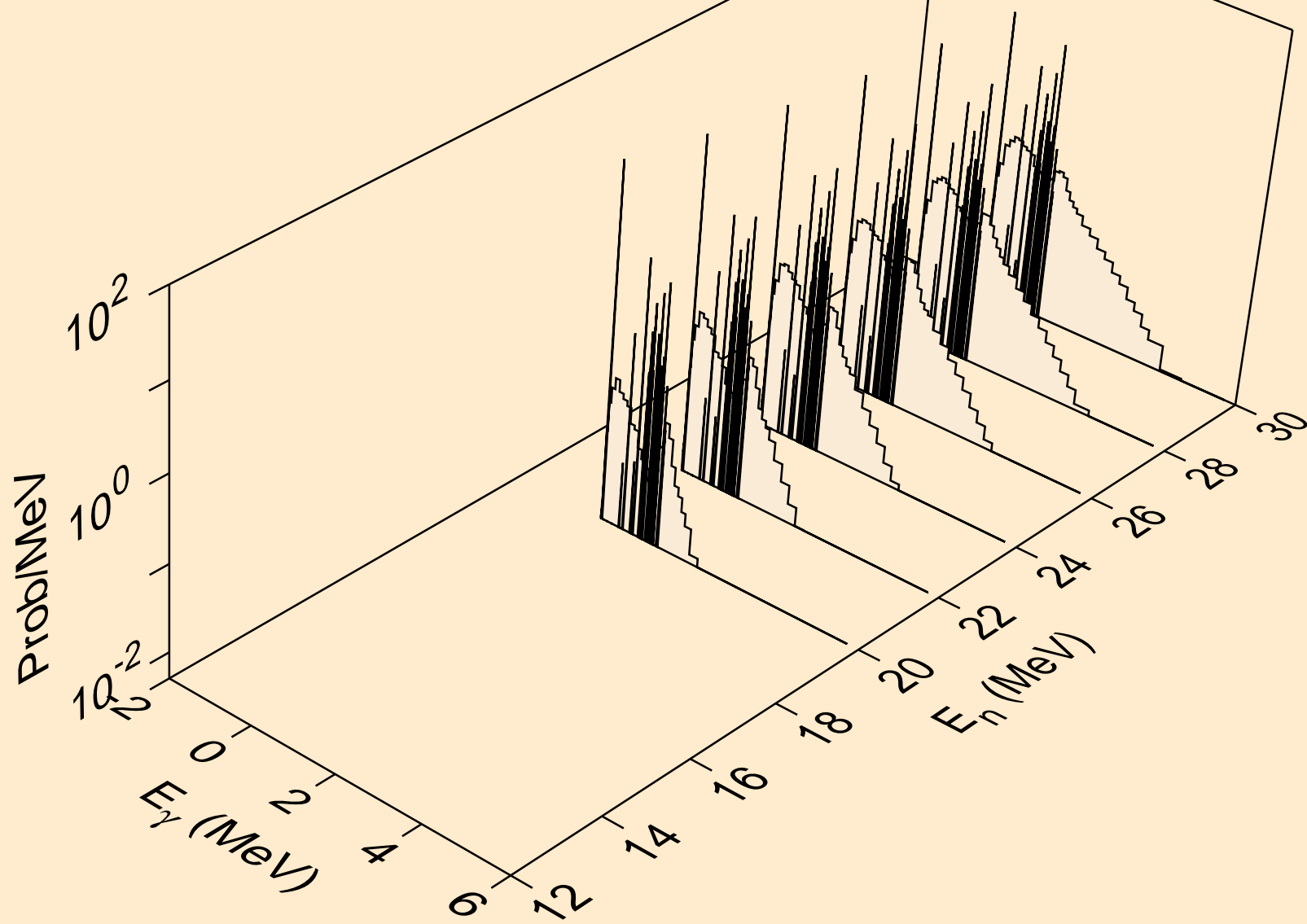


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Photon emission for (n,2np)

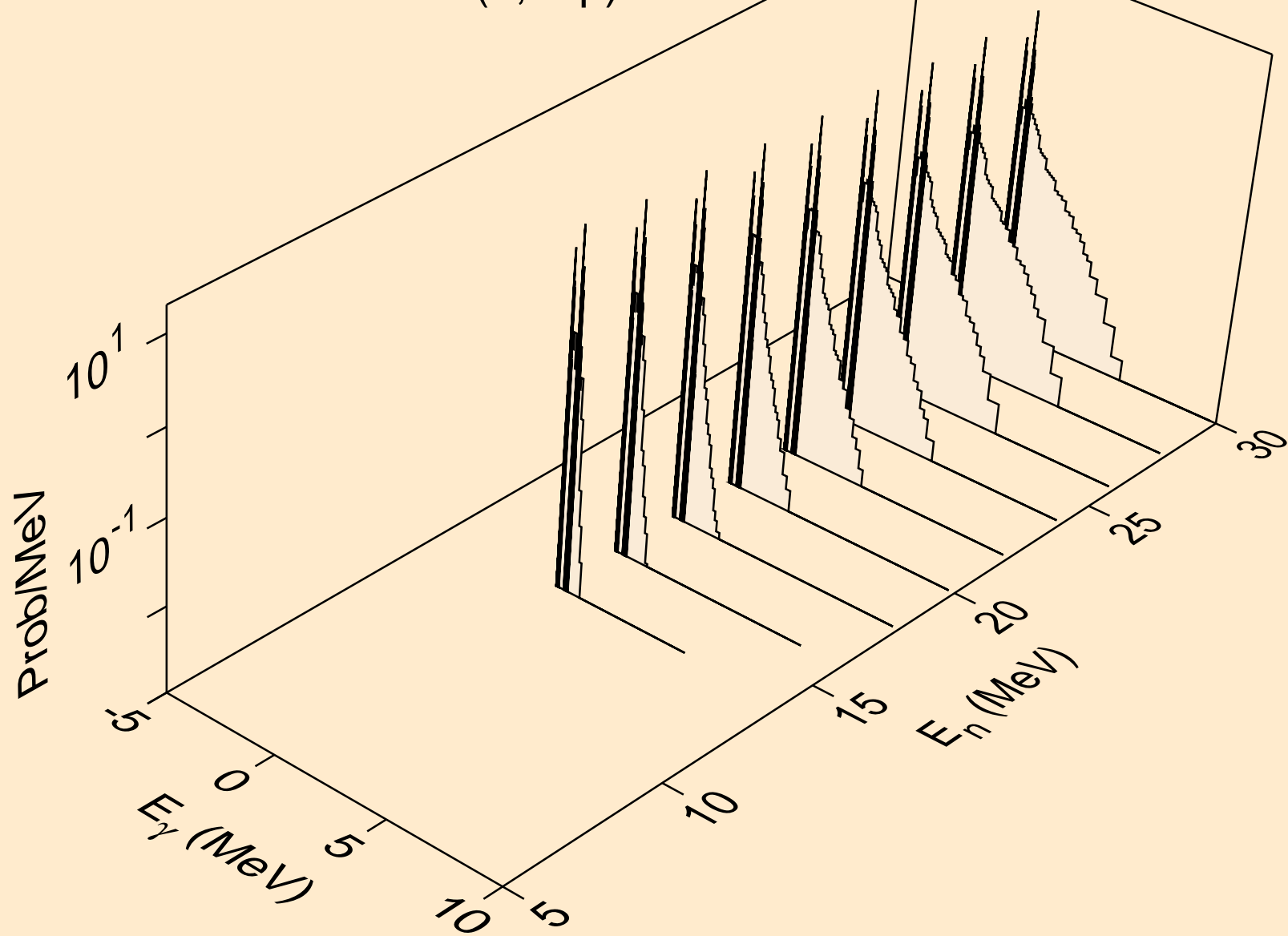




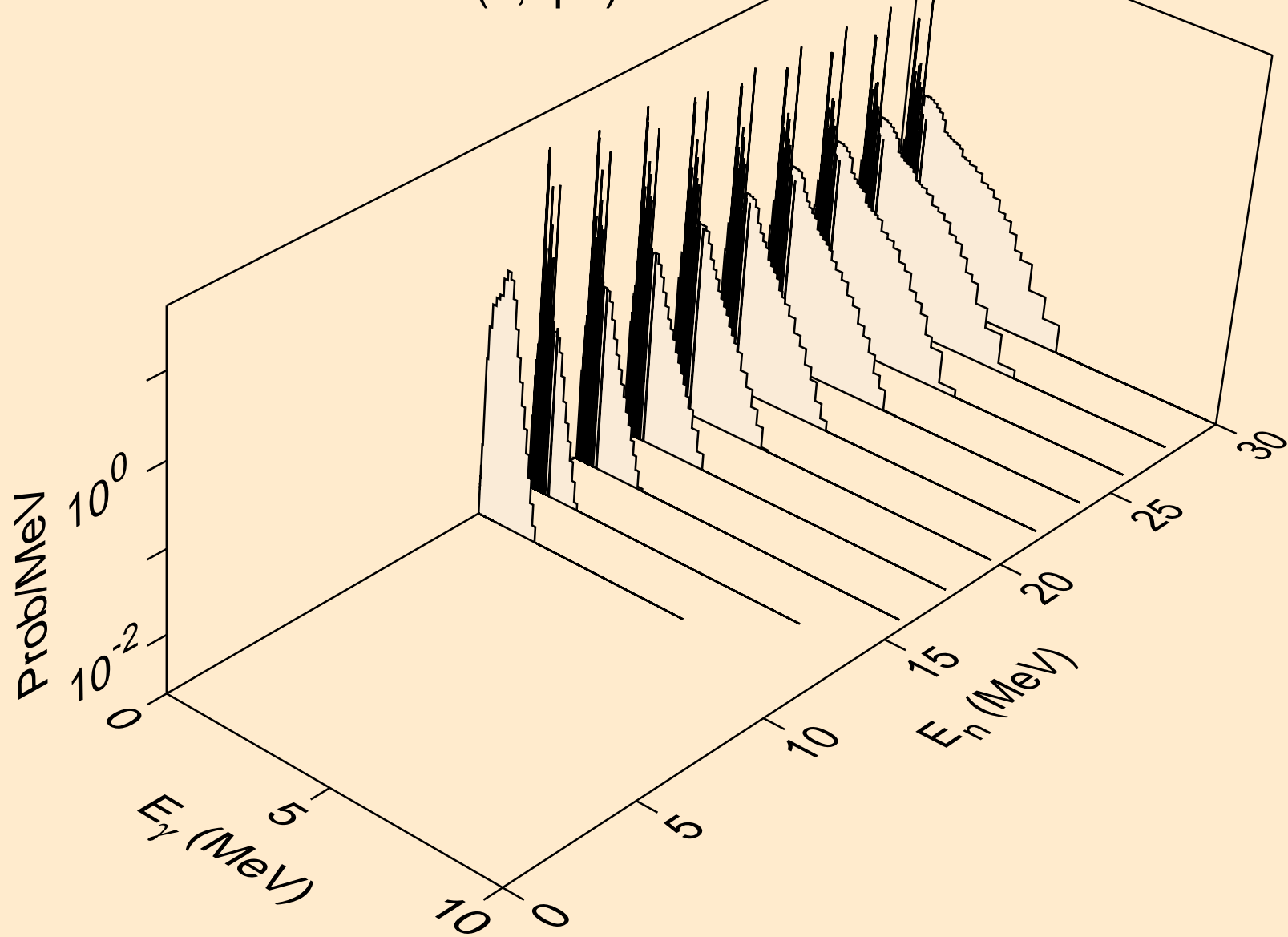
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Photon emission for (n,3np)



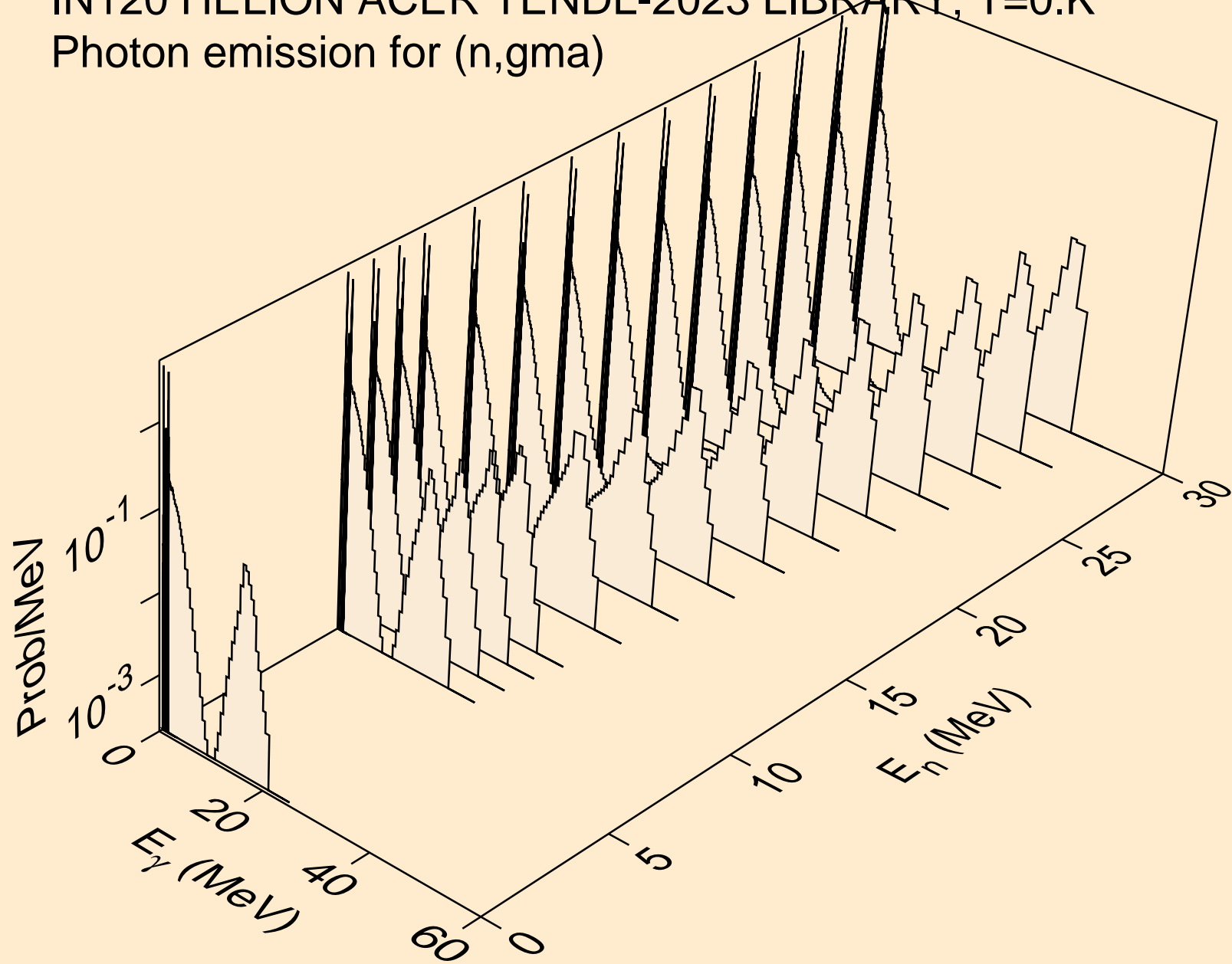
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



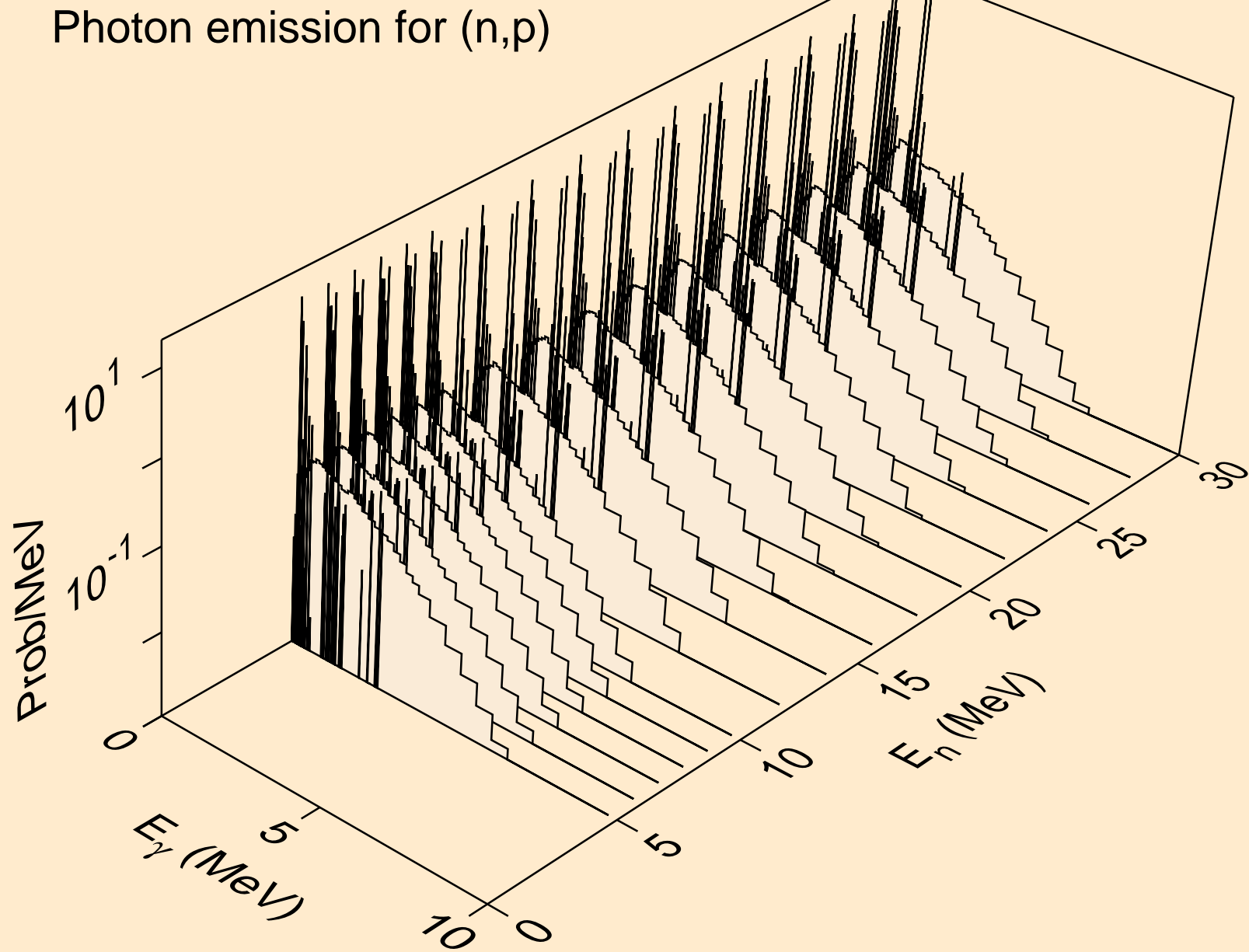
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Photon emission for (n,npa)



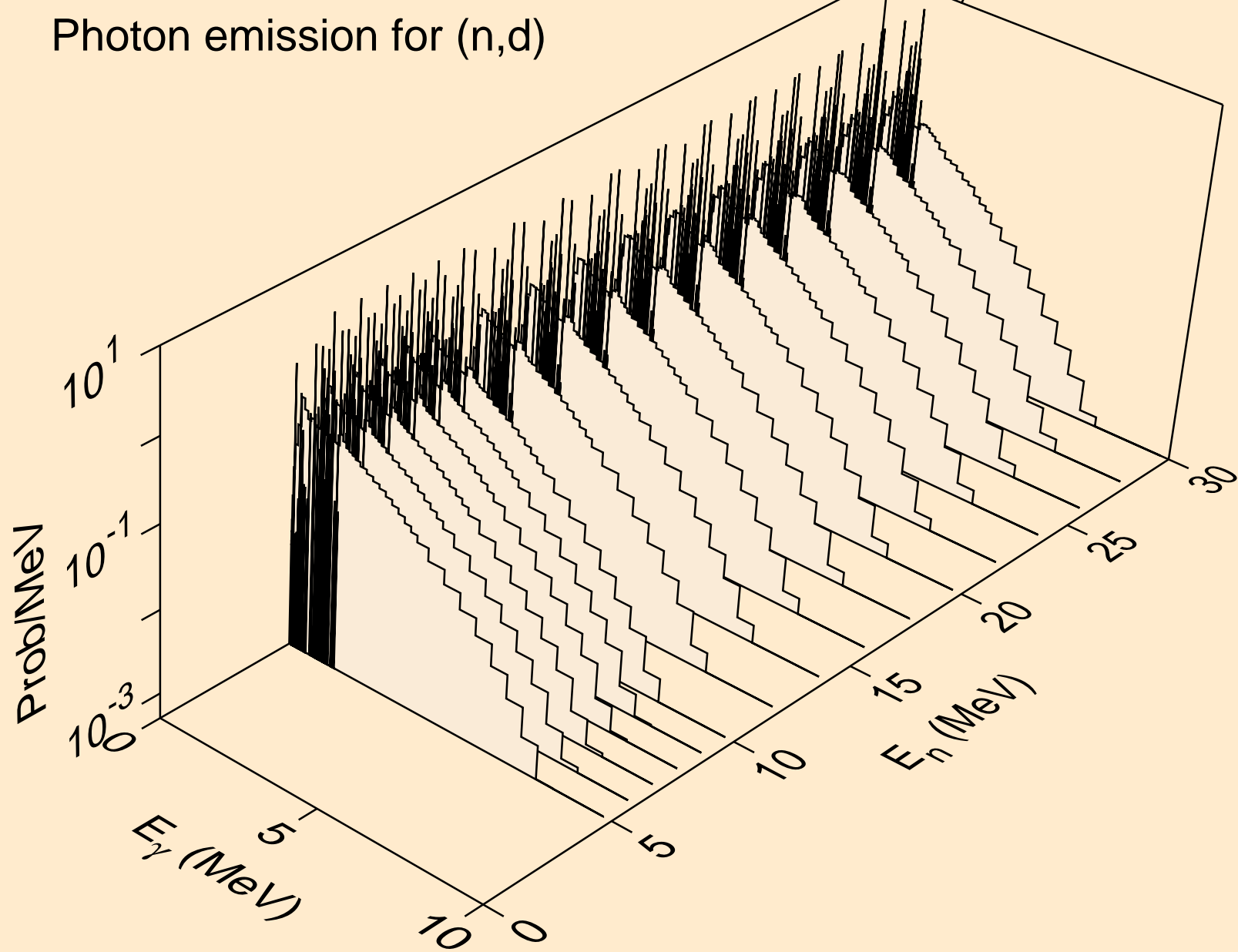
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Photon emission for (n,gma)



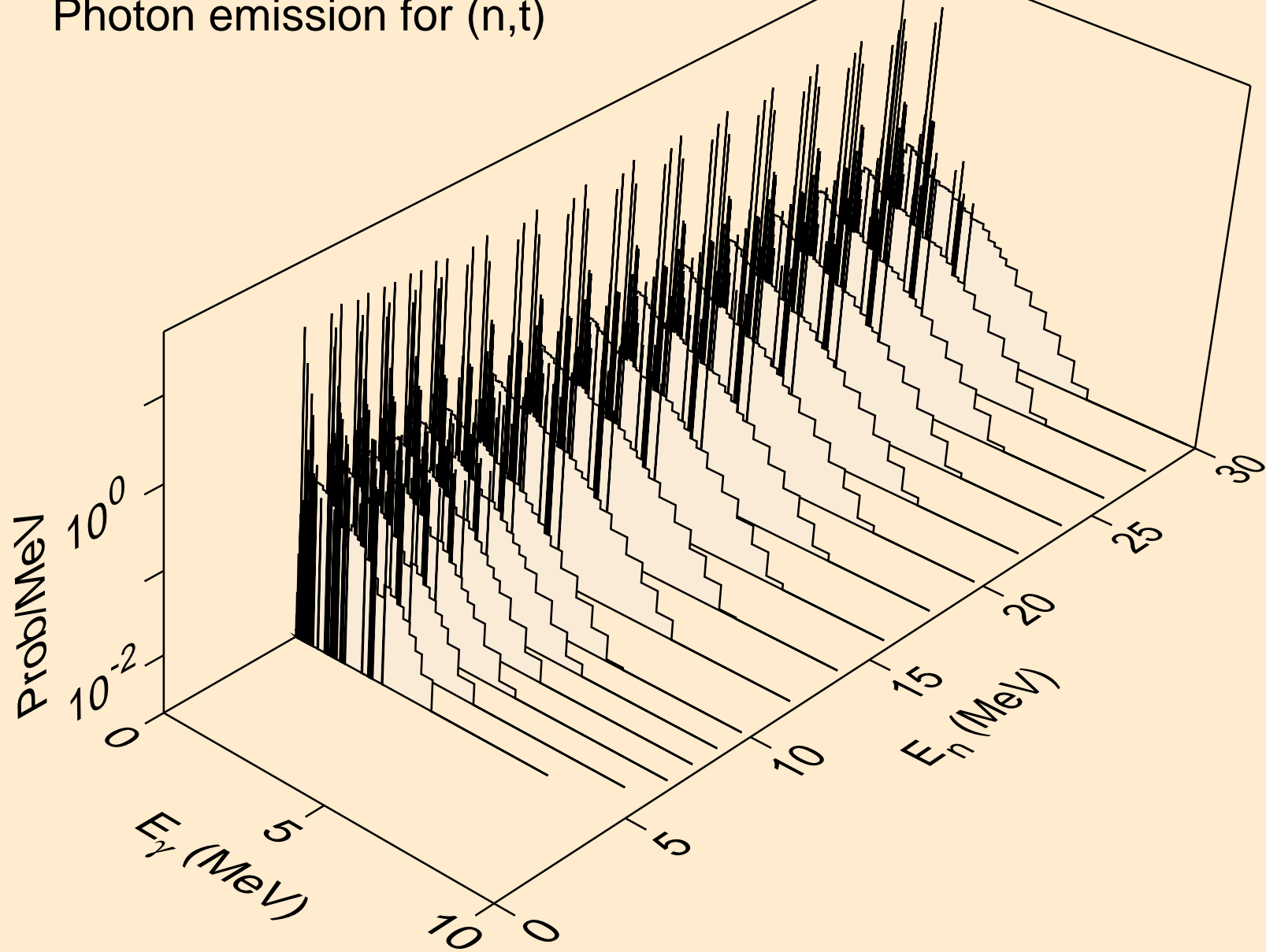
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Photon emission for (n,p)



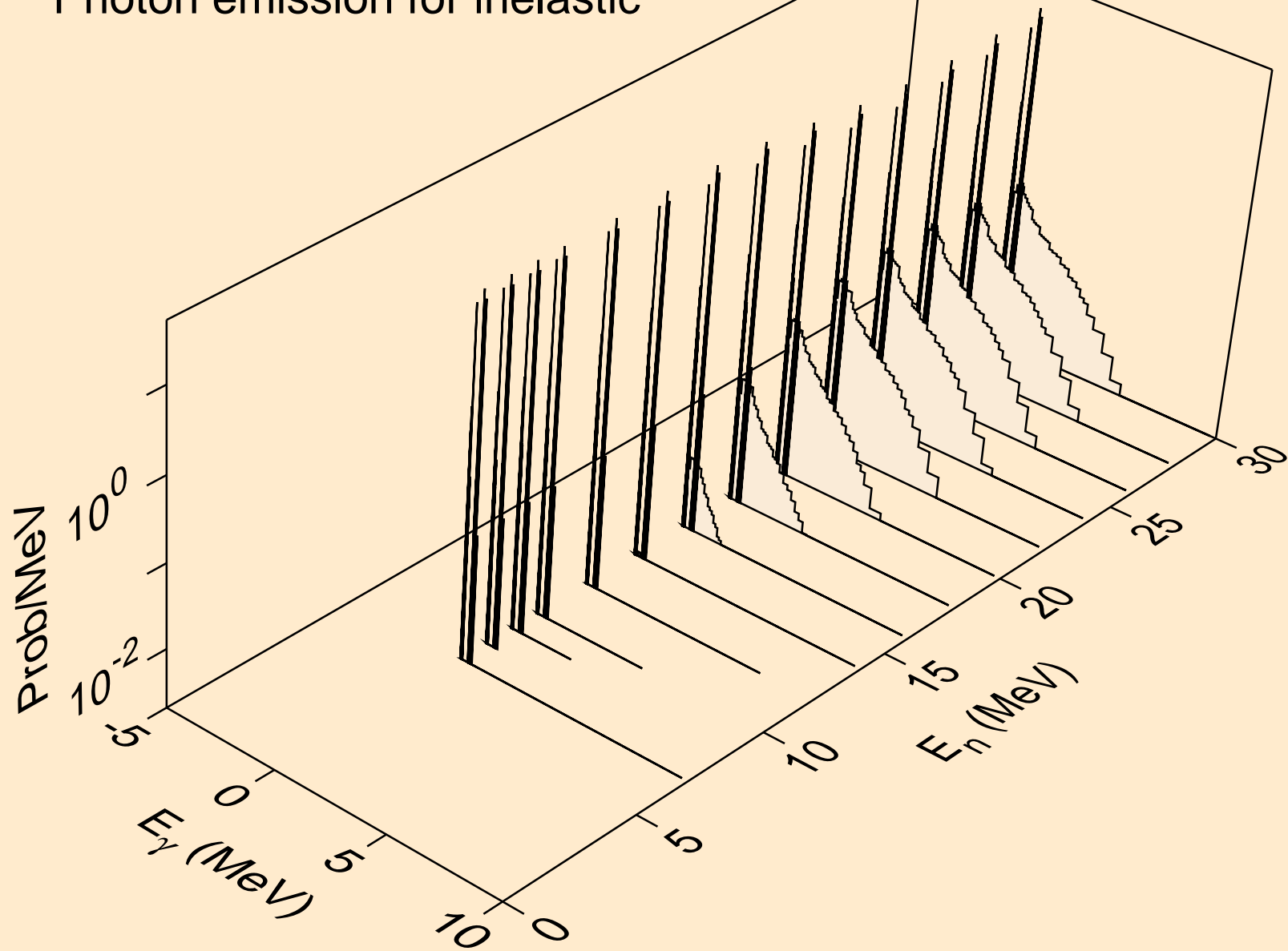
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Photon emission for (n,d)



IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

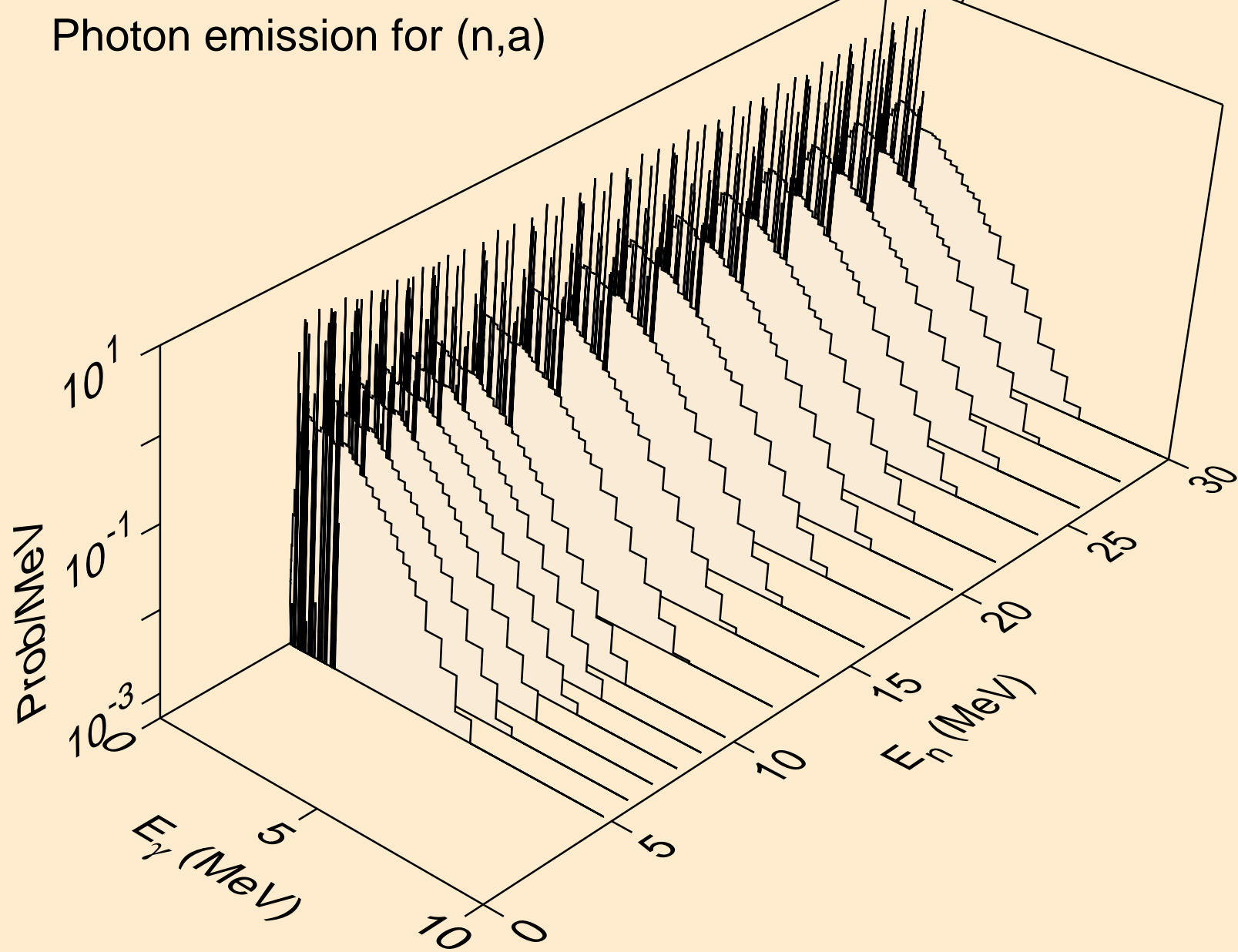


IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic

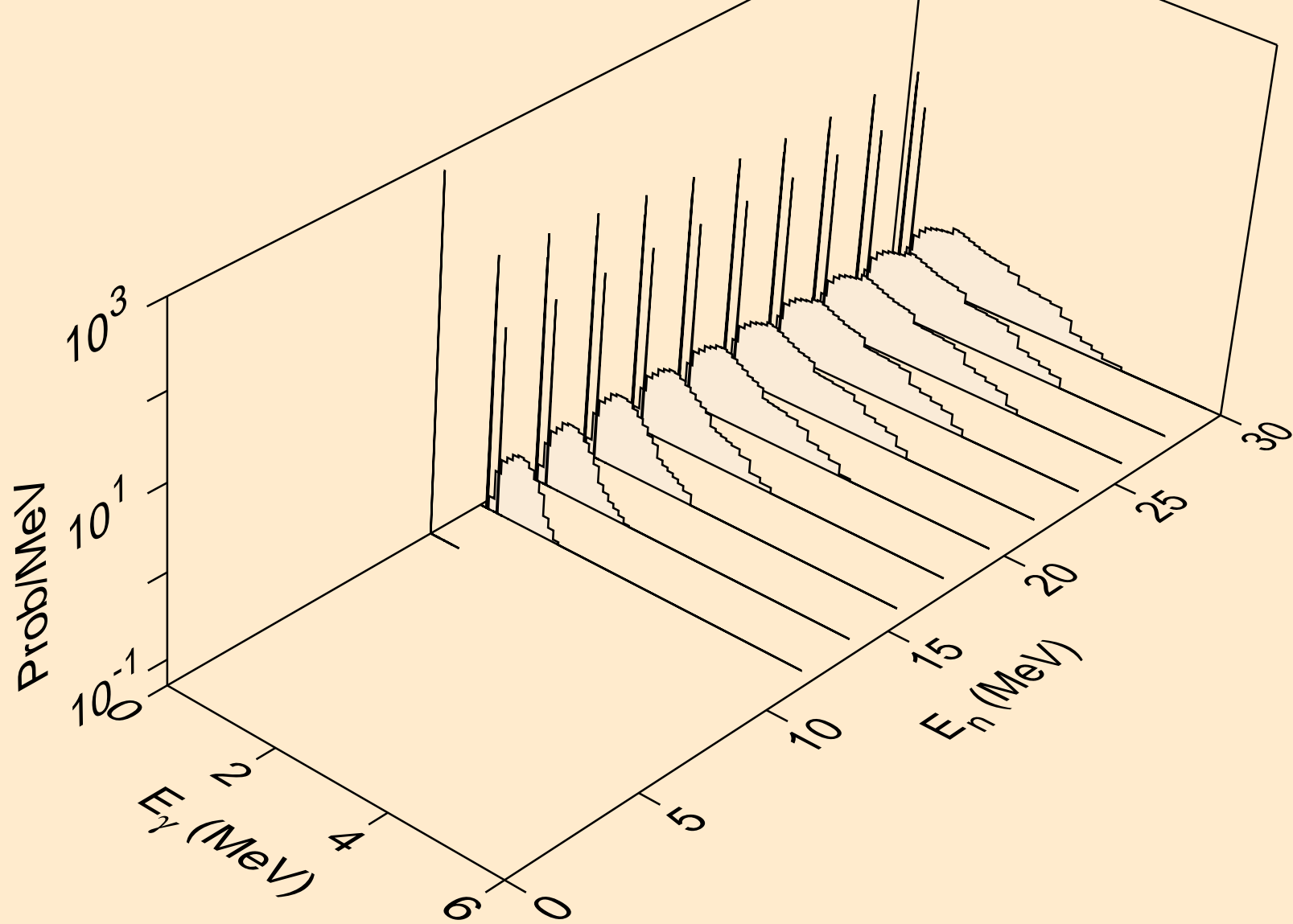




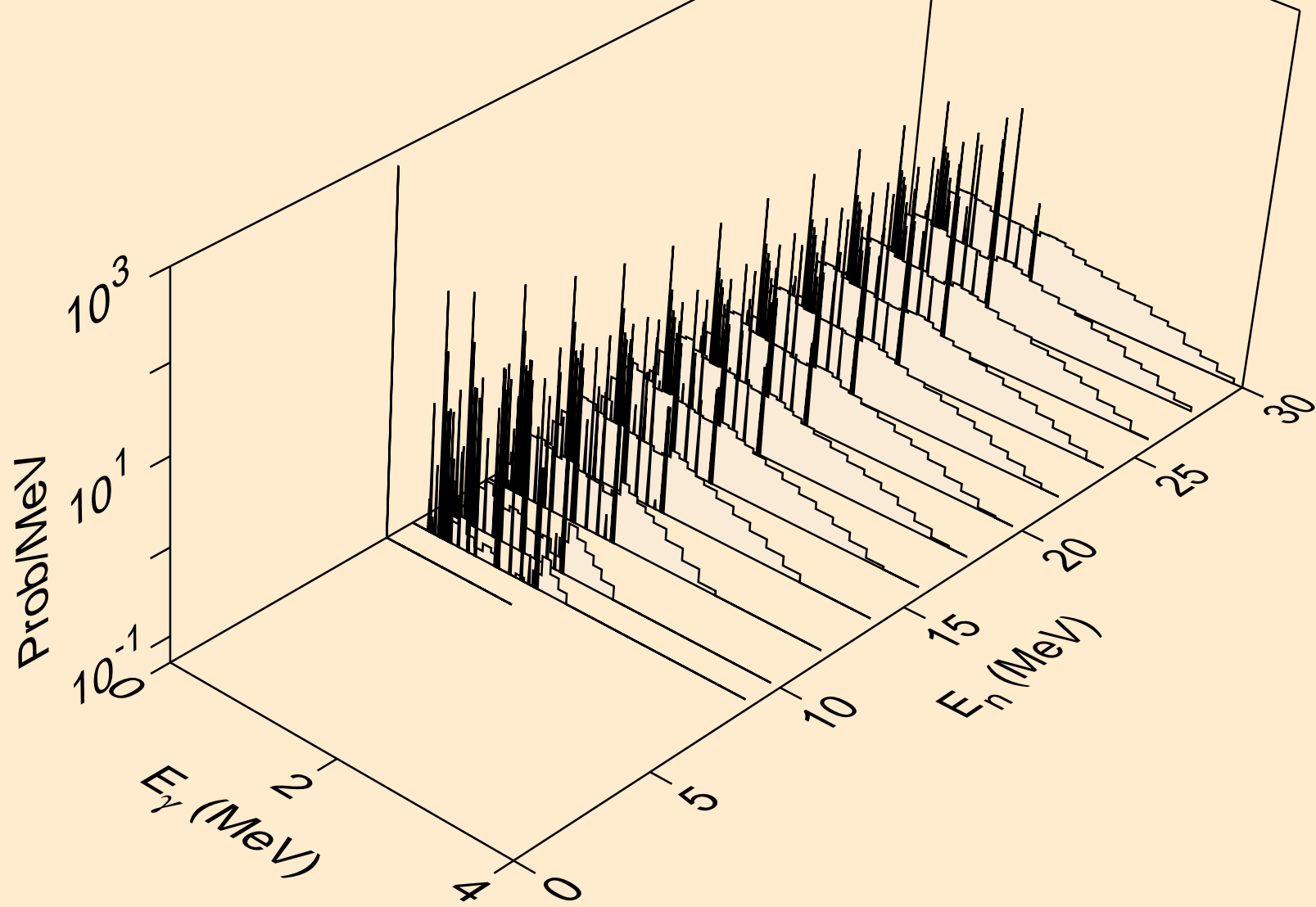
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



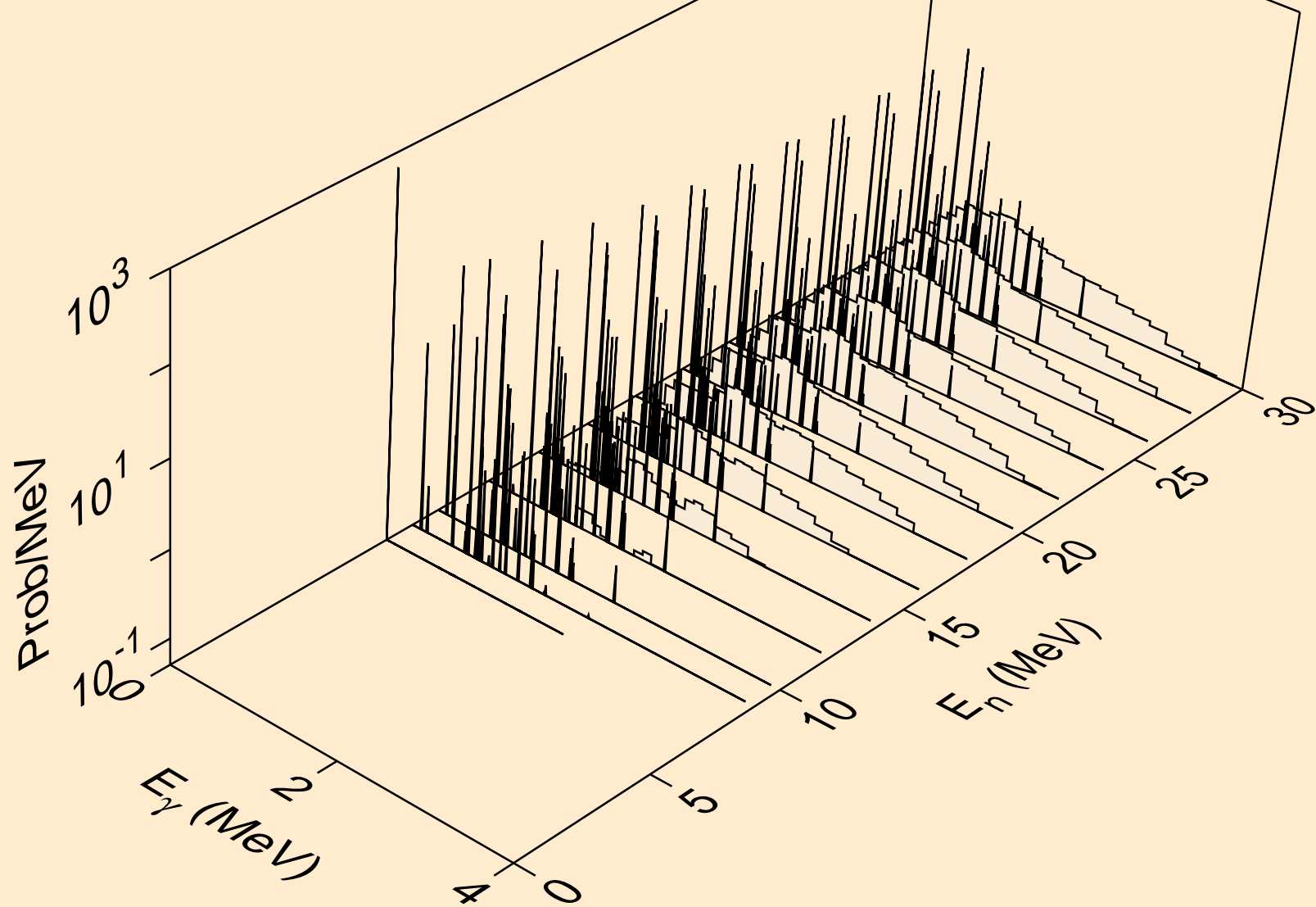
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



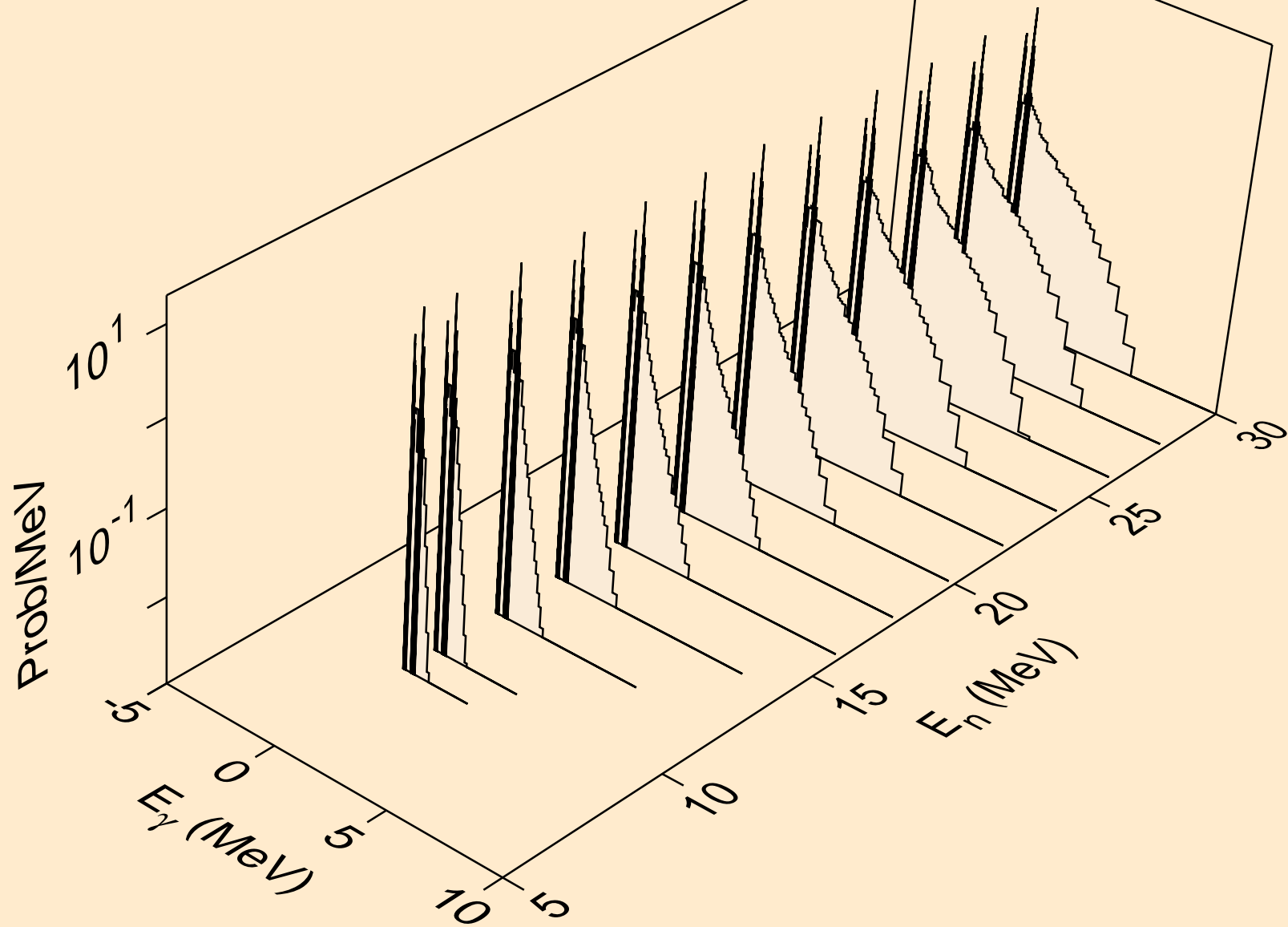
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Photon emission for (n,2p)



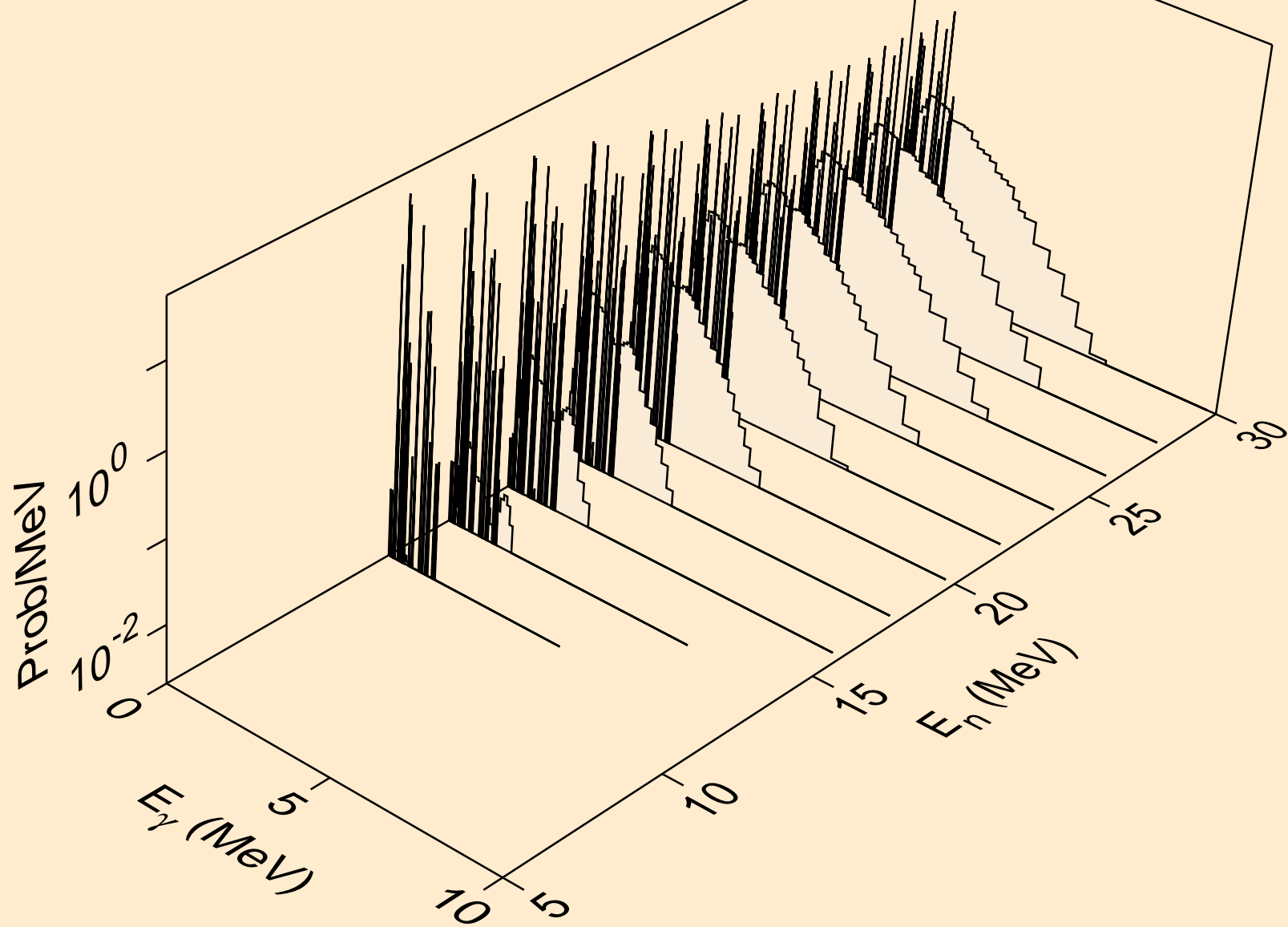
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Photon emission for (n,p $\alpha$ )



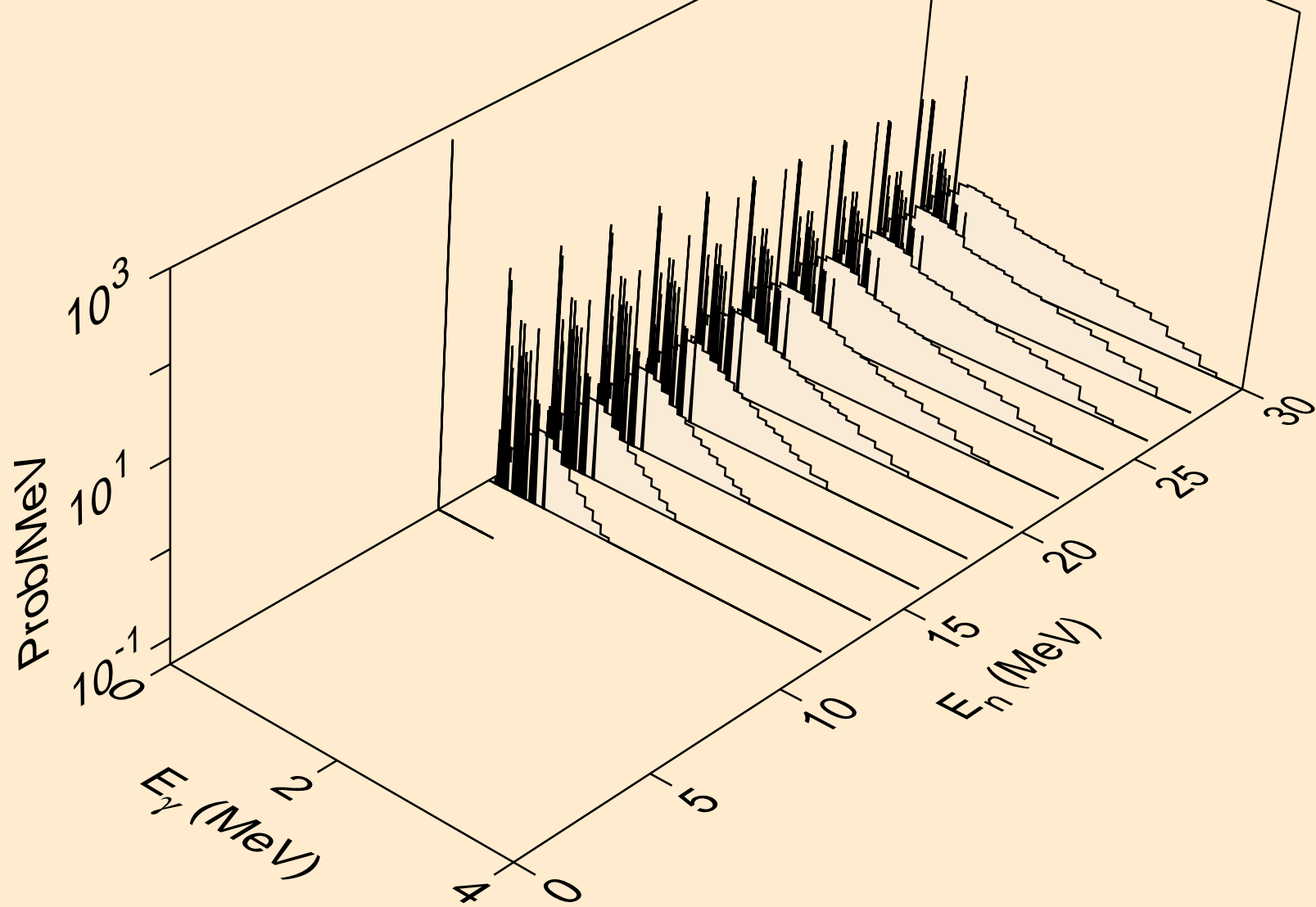
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

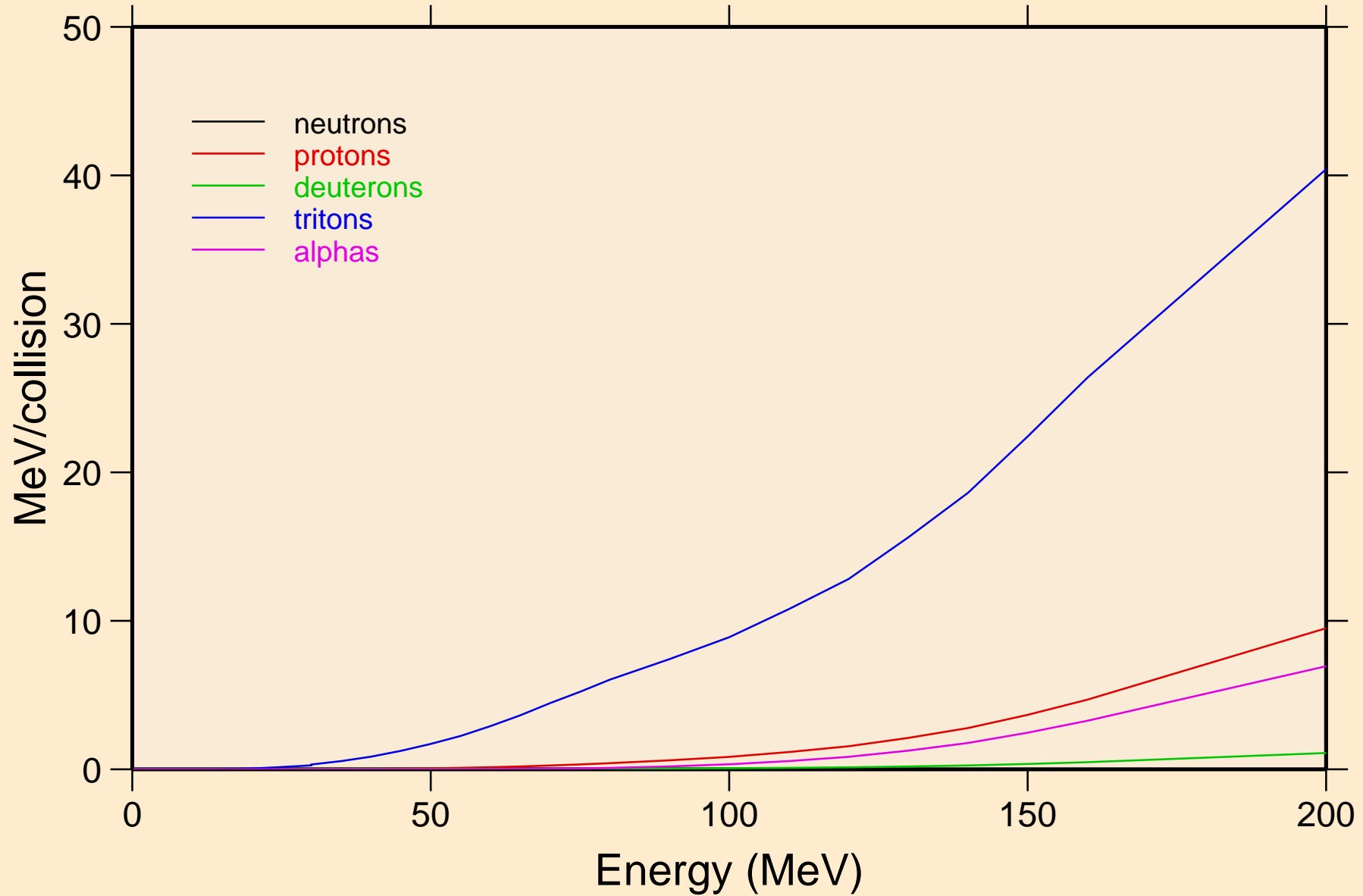


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Photon emission for (n,da)



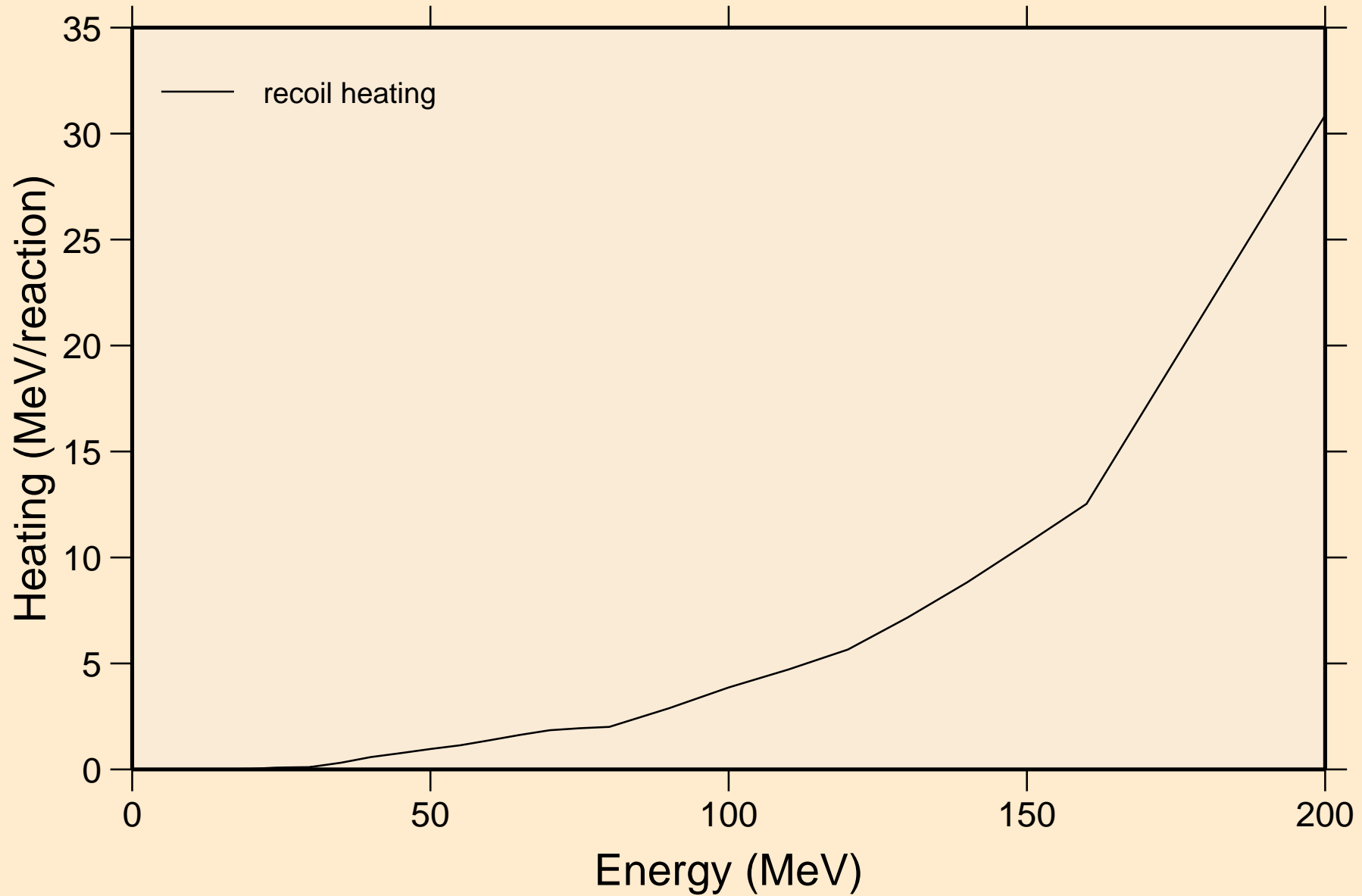
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## Particle heating contributions

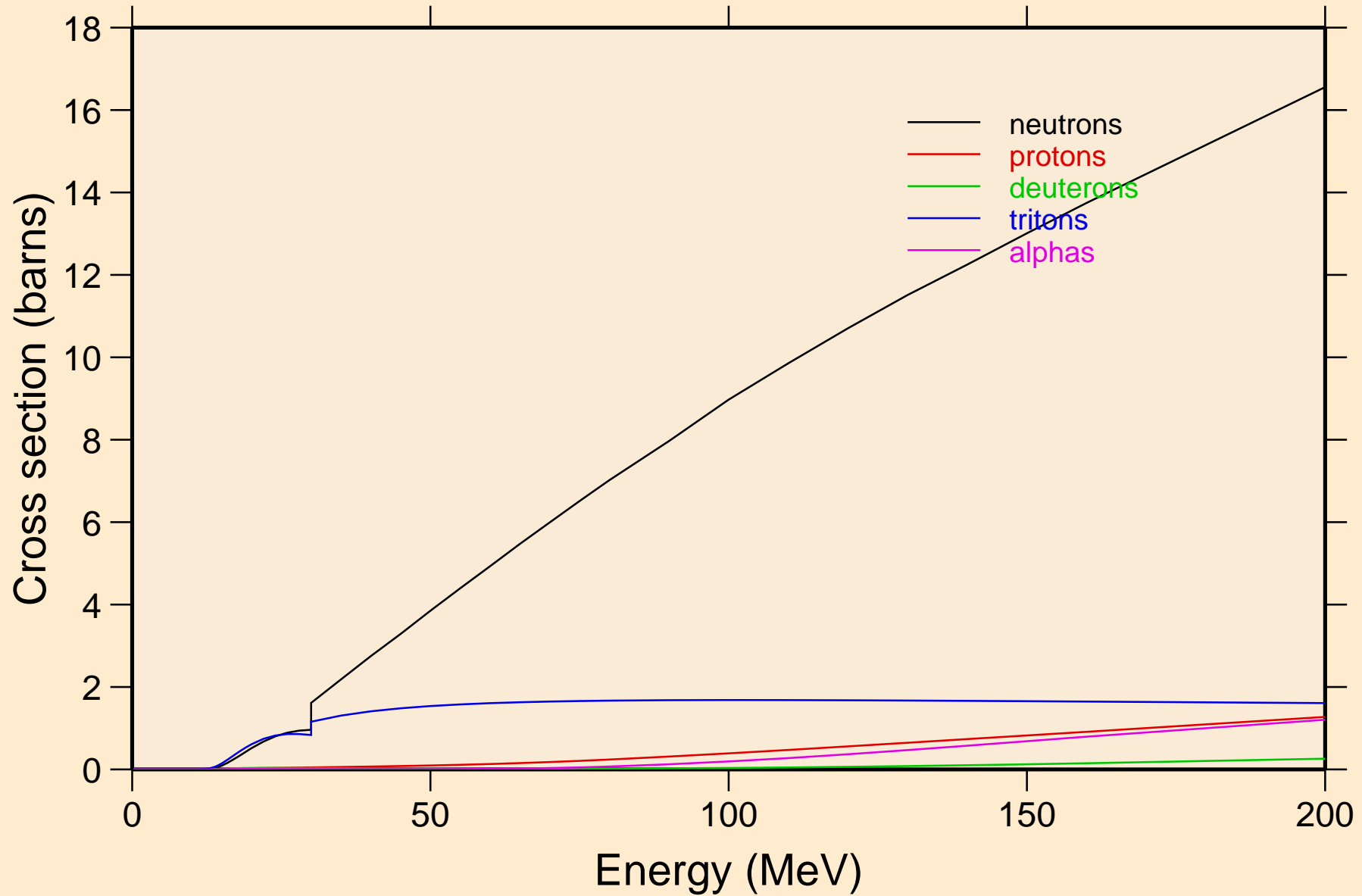




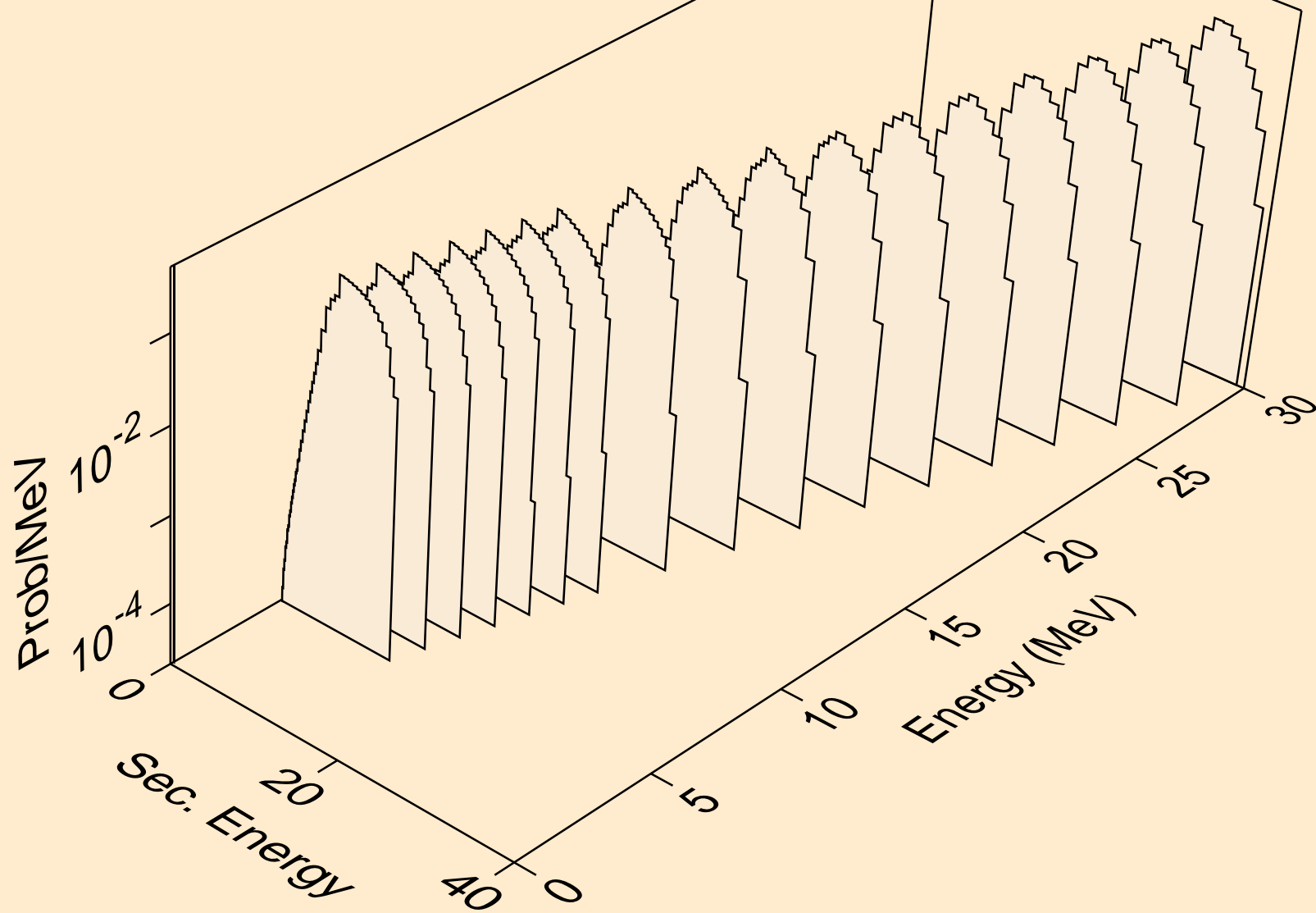
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Recoil Heating



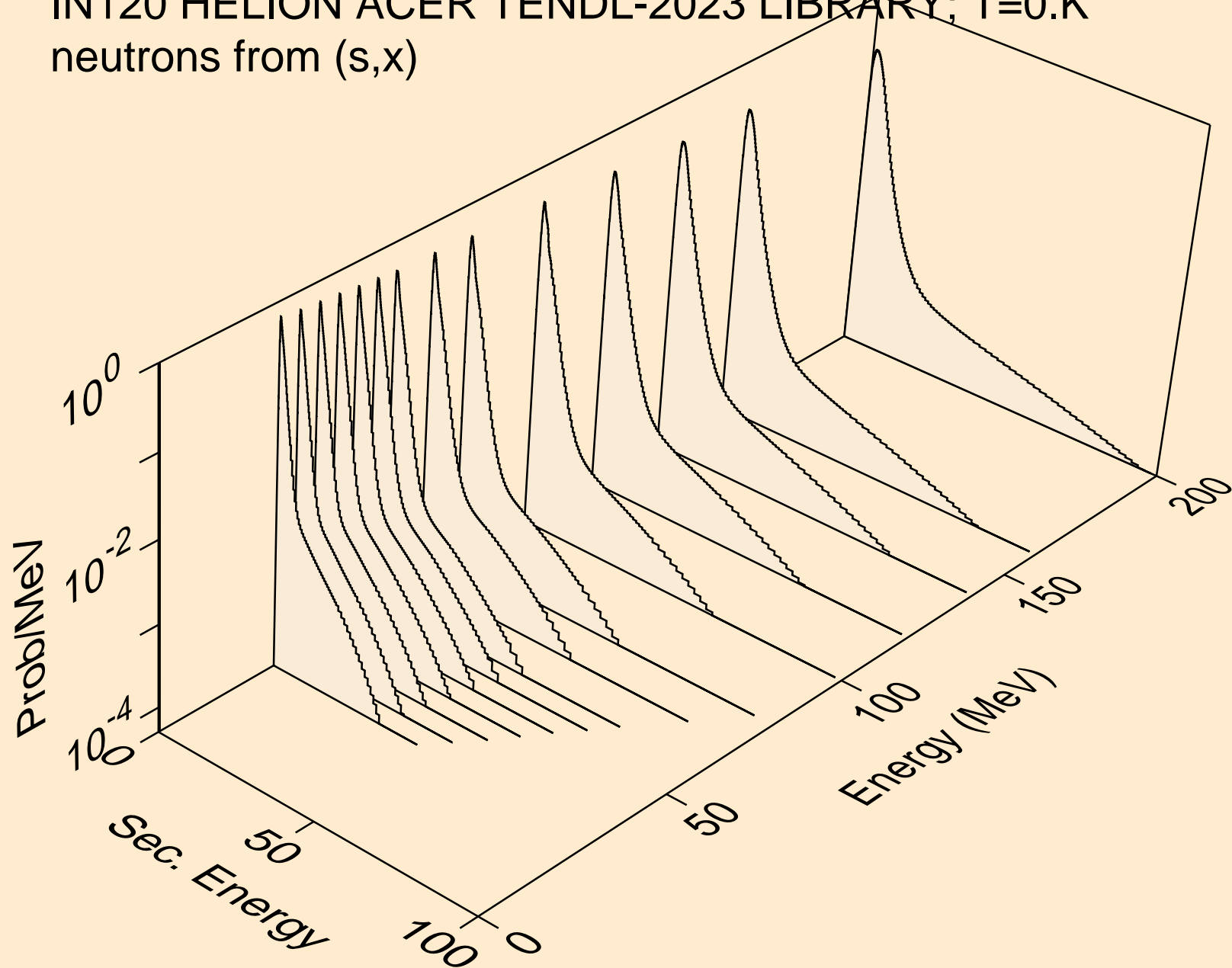
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



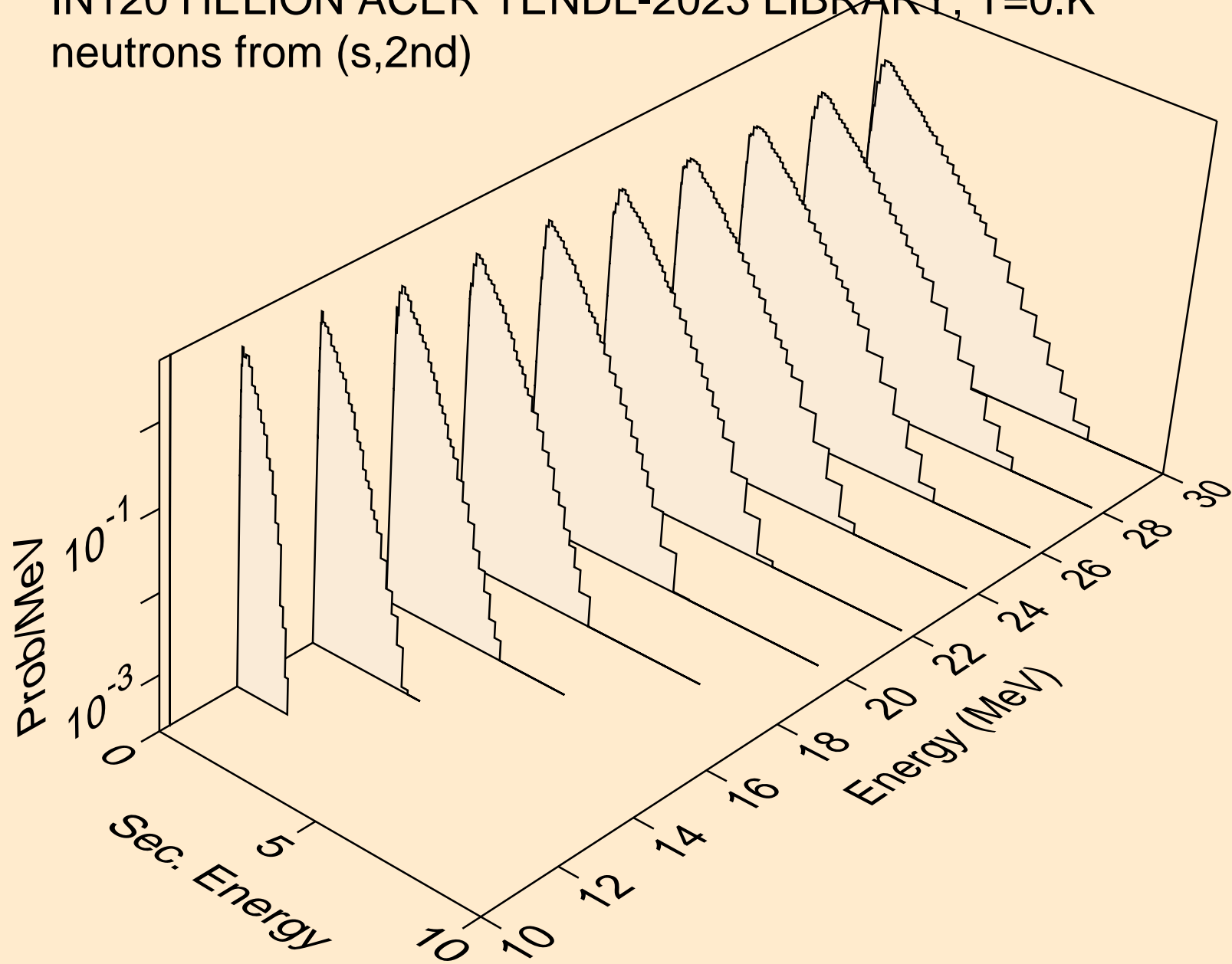
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



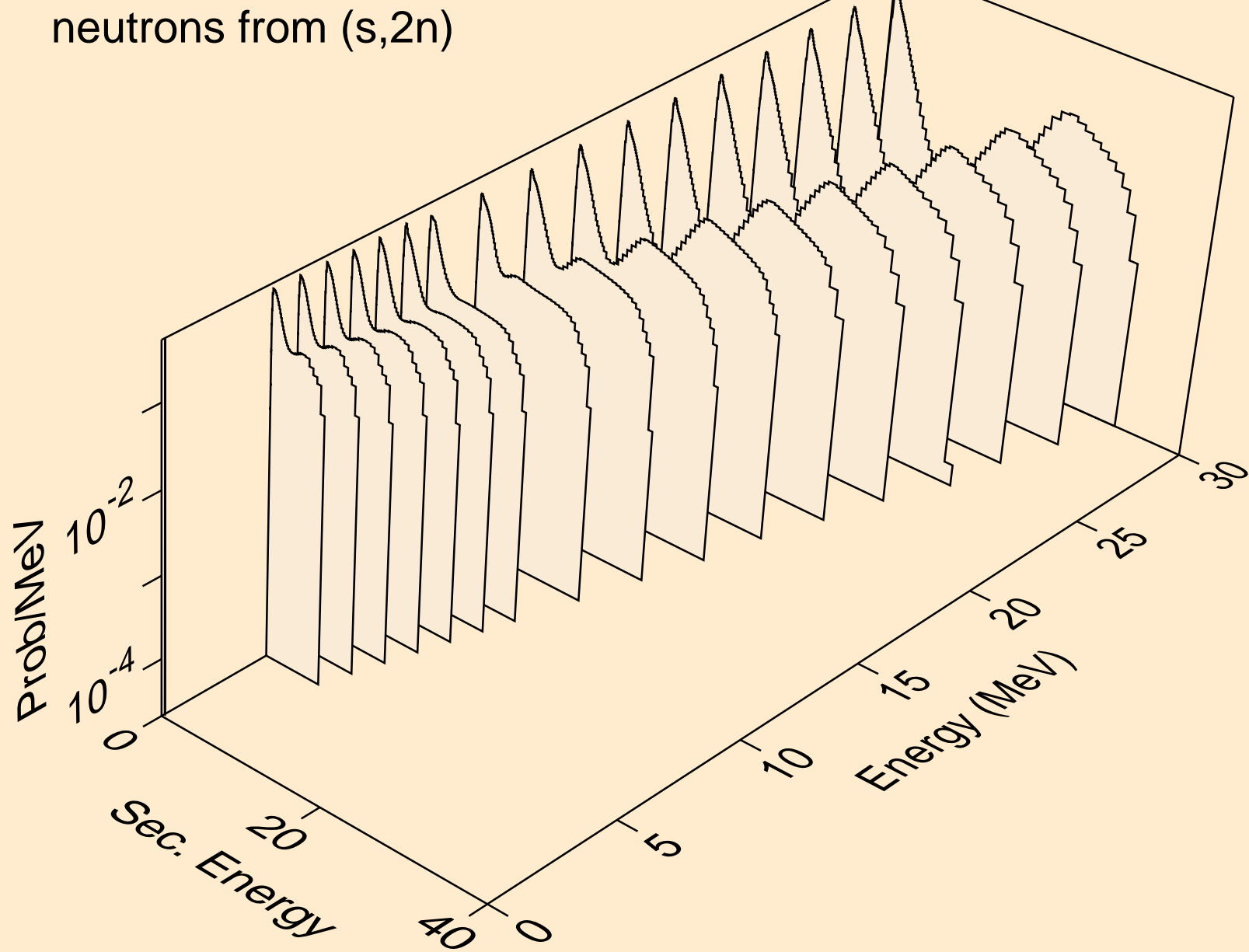
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neutrons from (s,x)



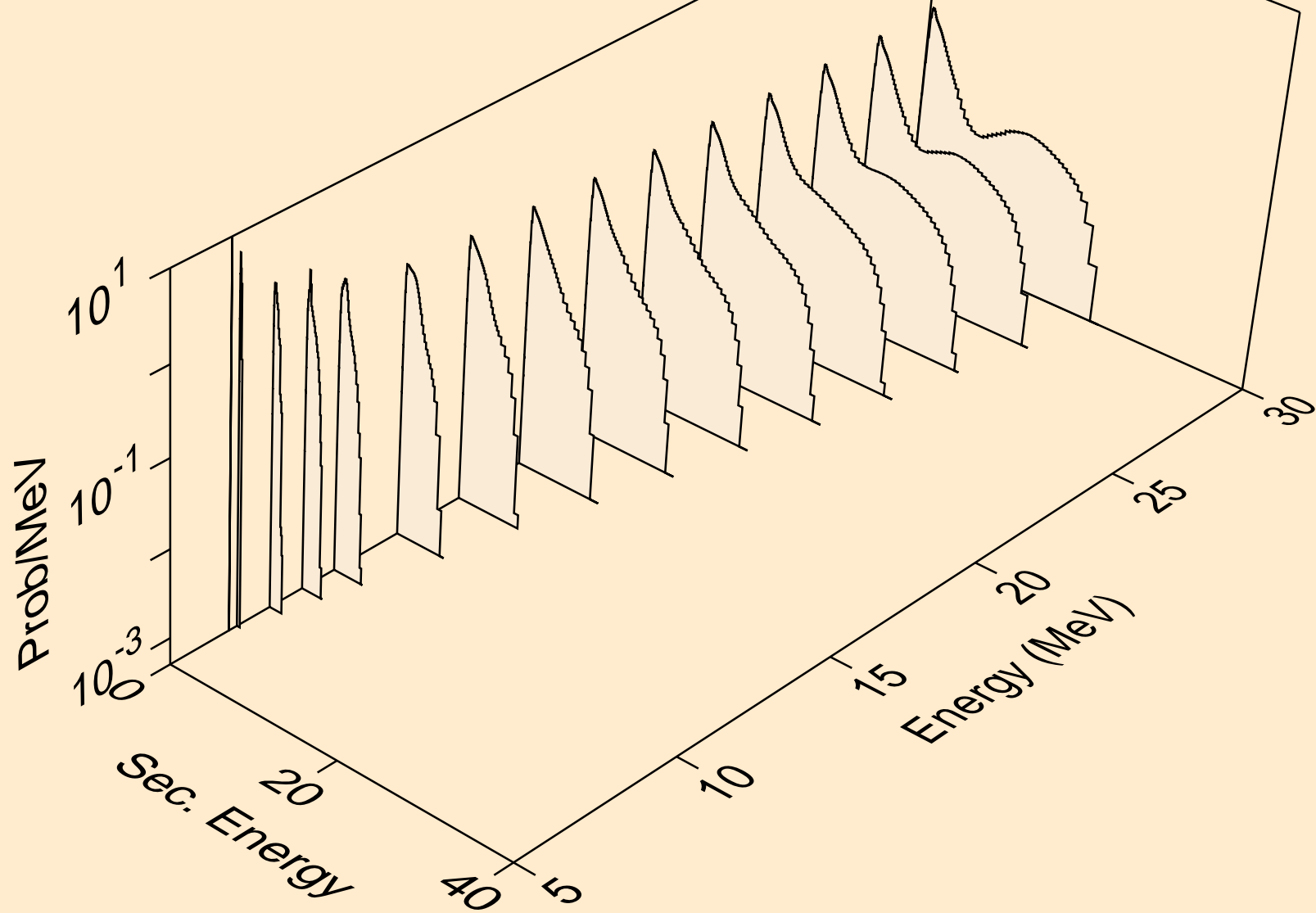
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neutrons from (s,2nd)



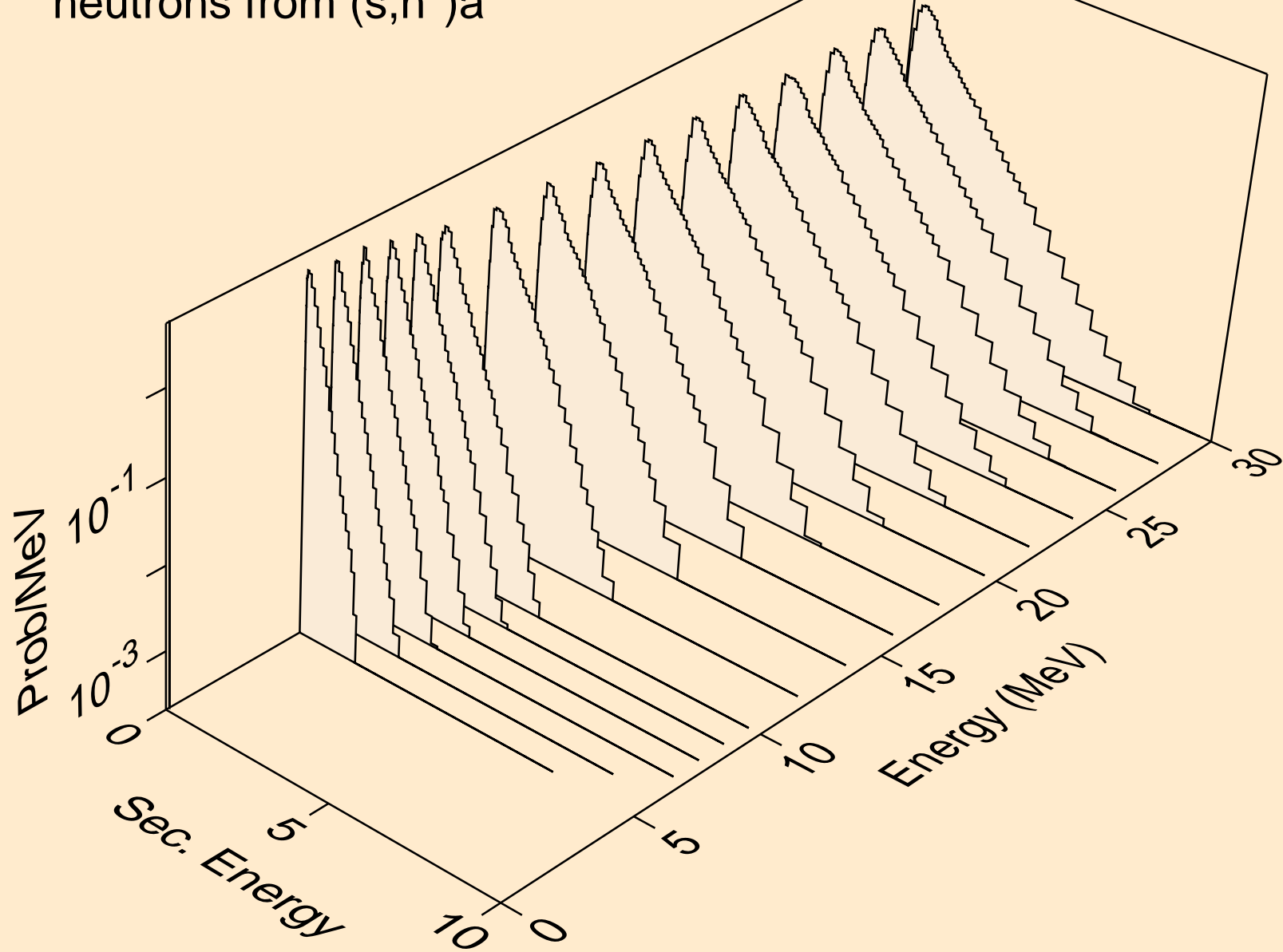
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)



IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3n)

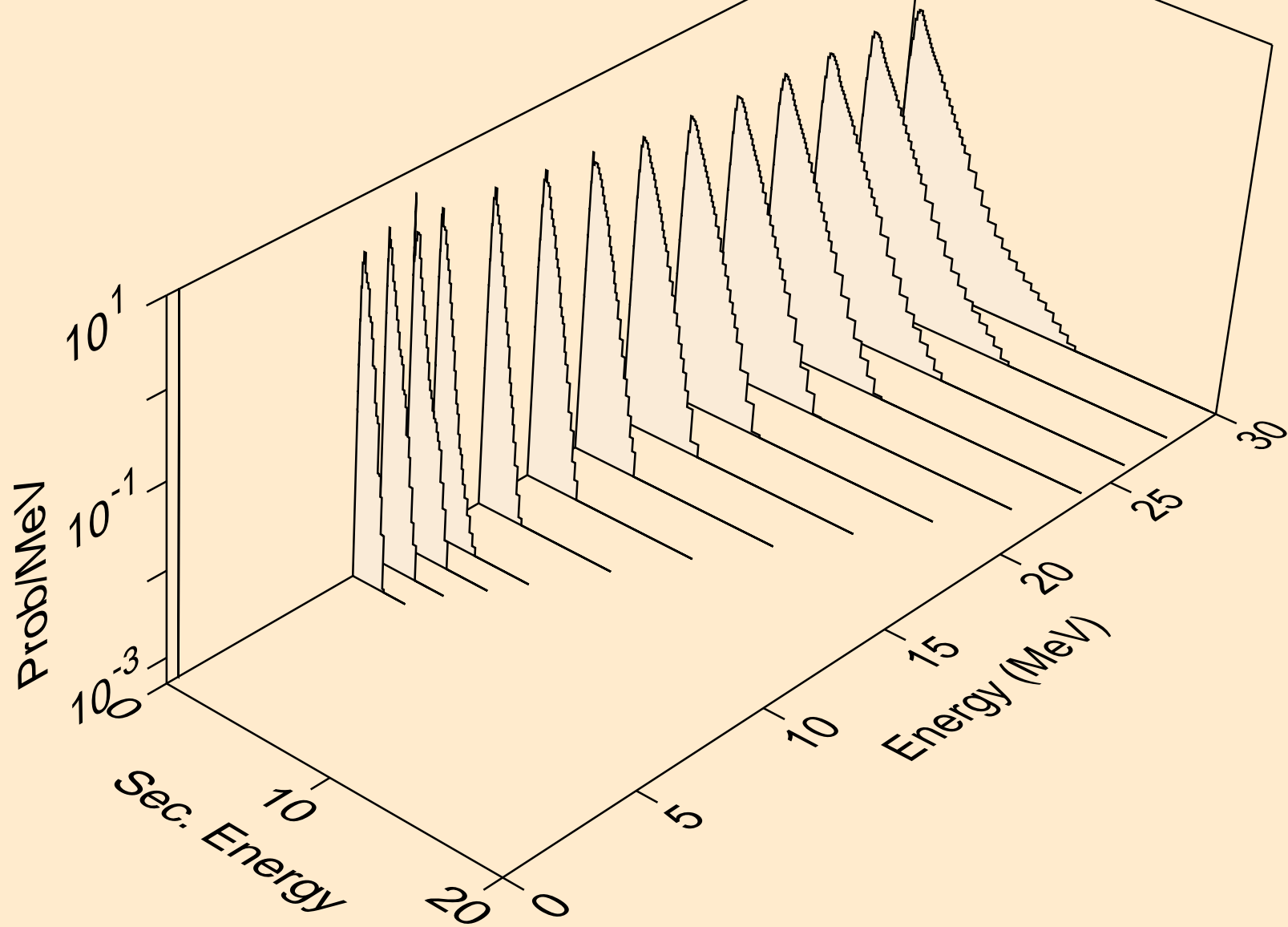


IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a

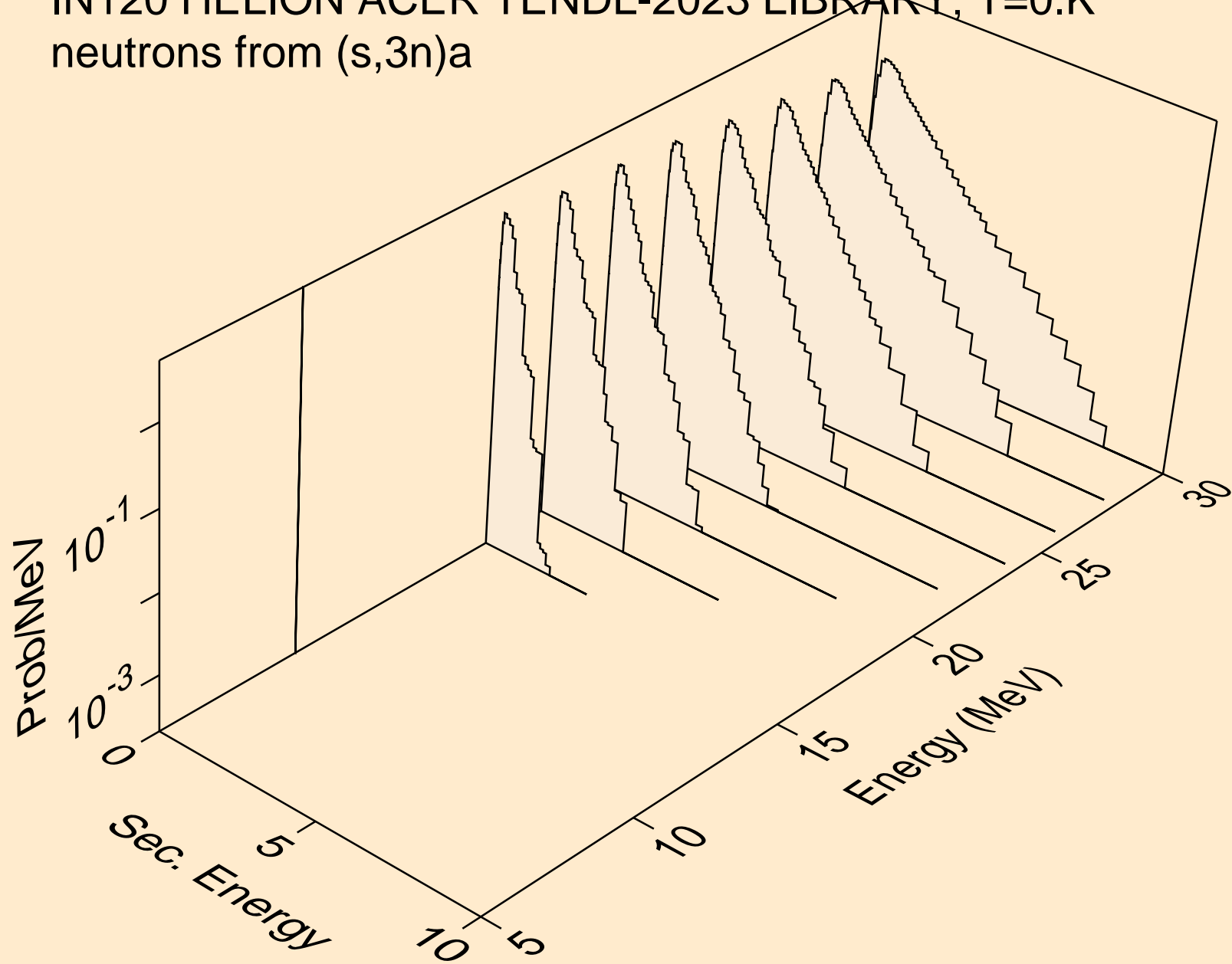




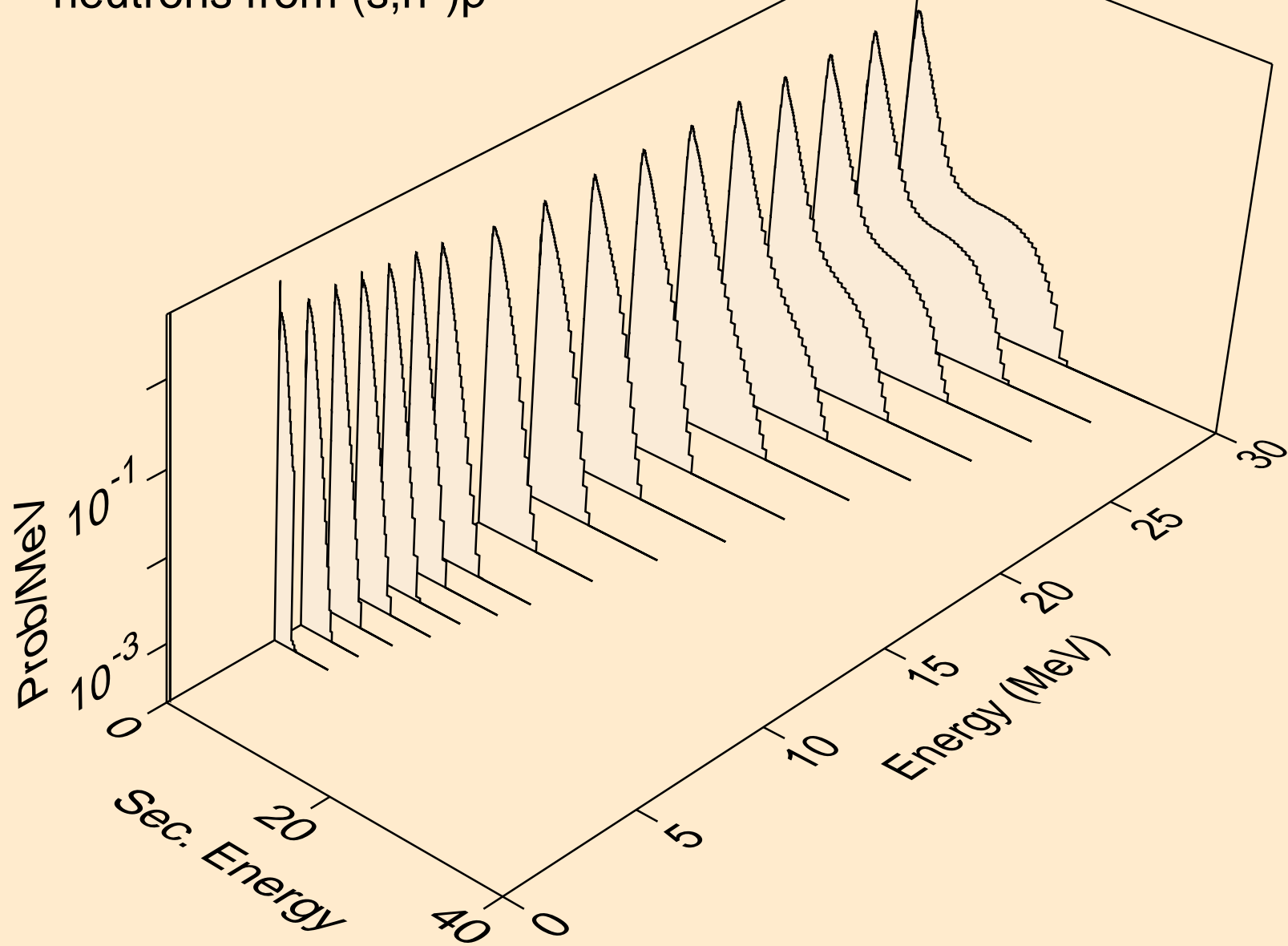
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)a



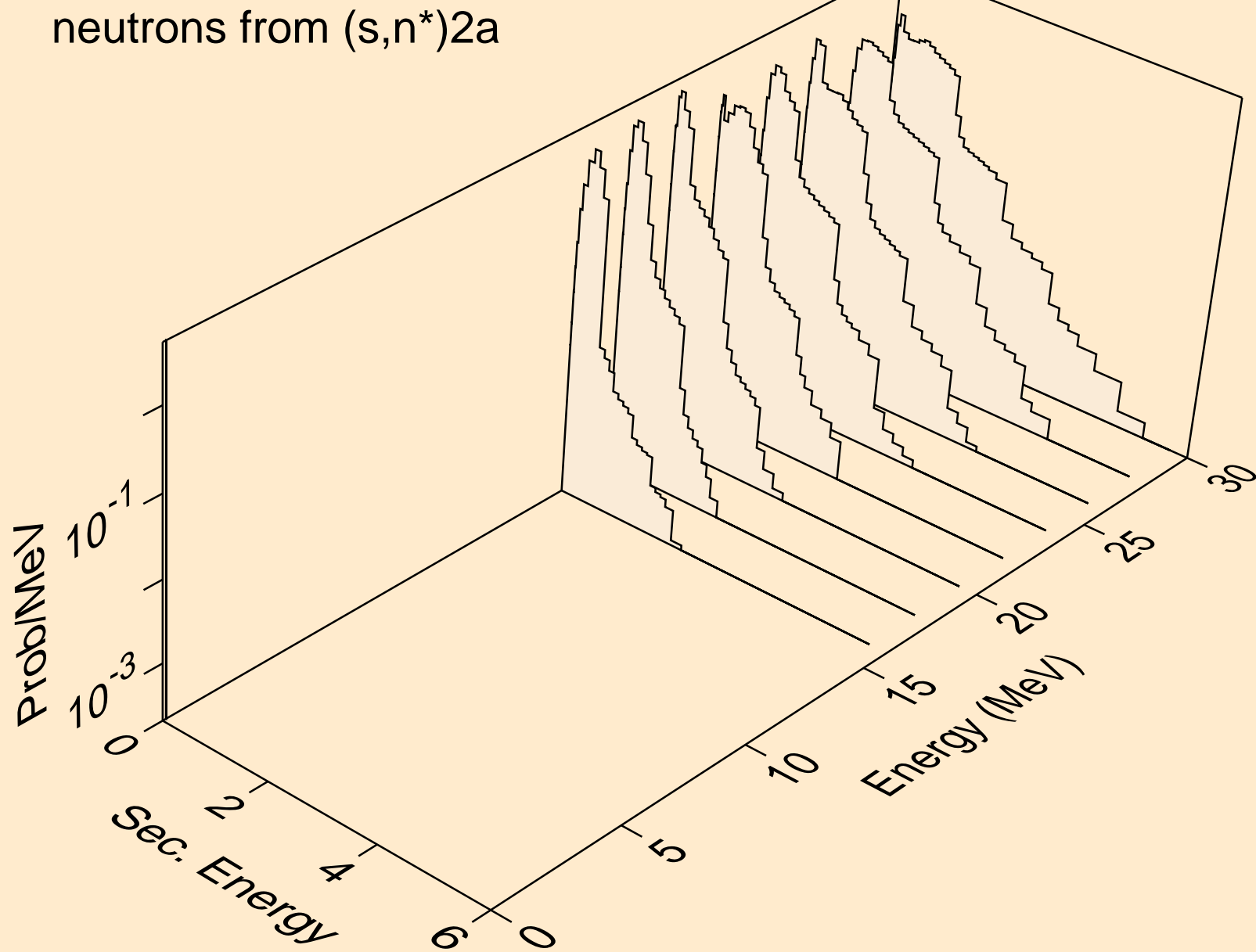
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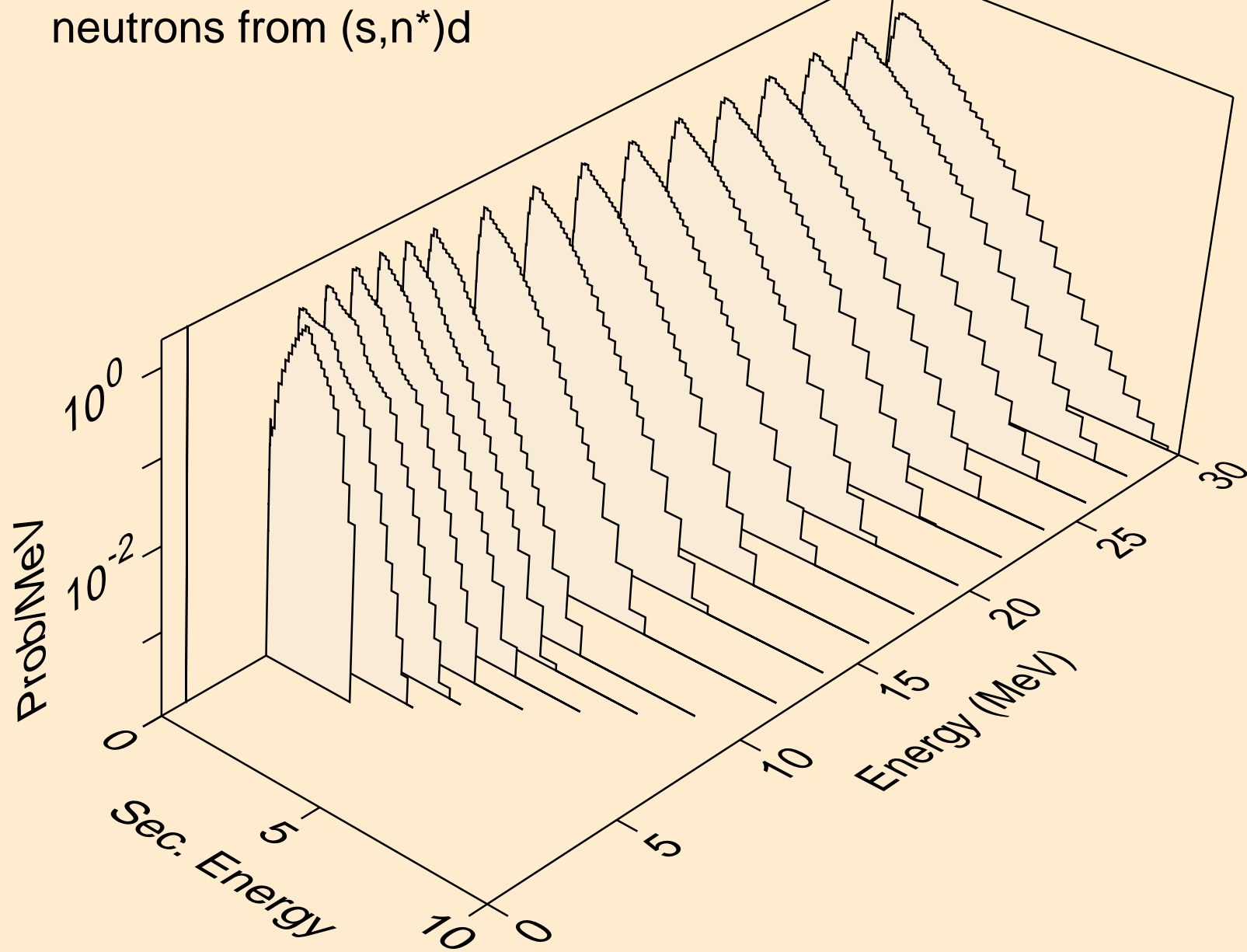
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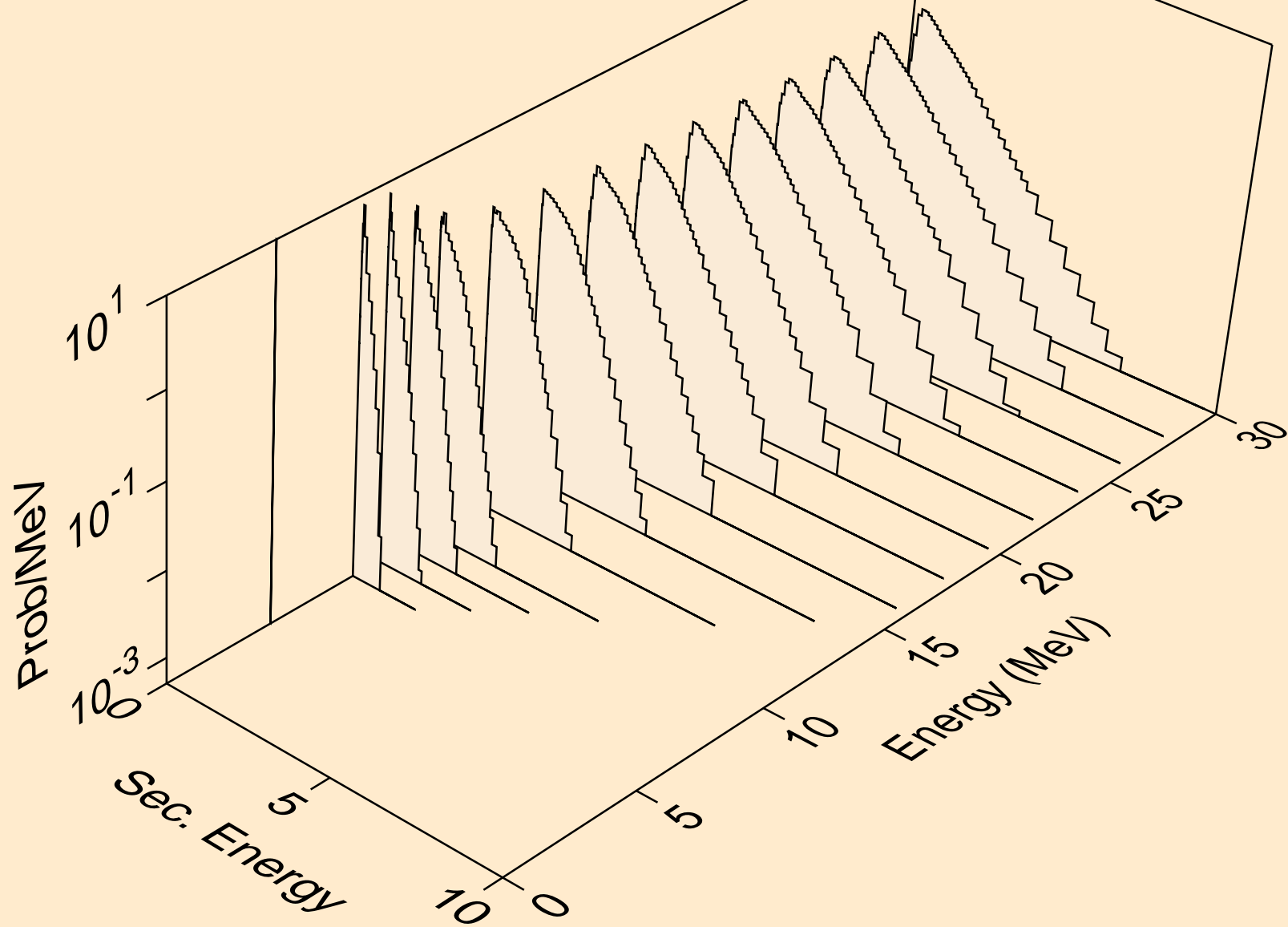
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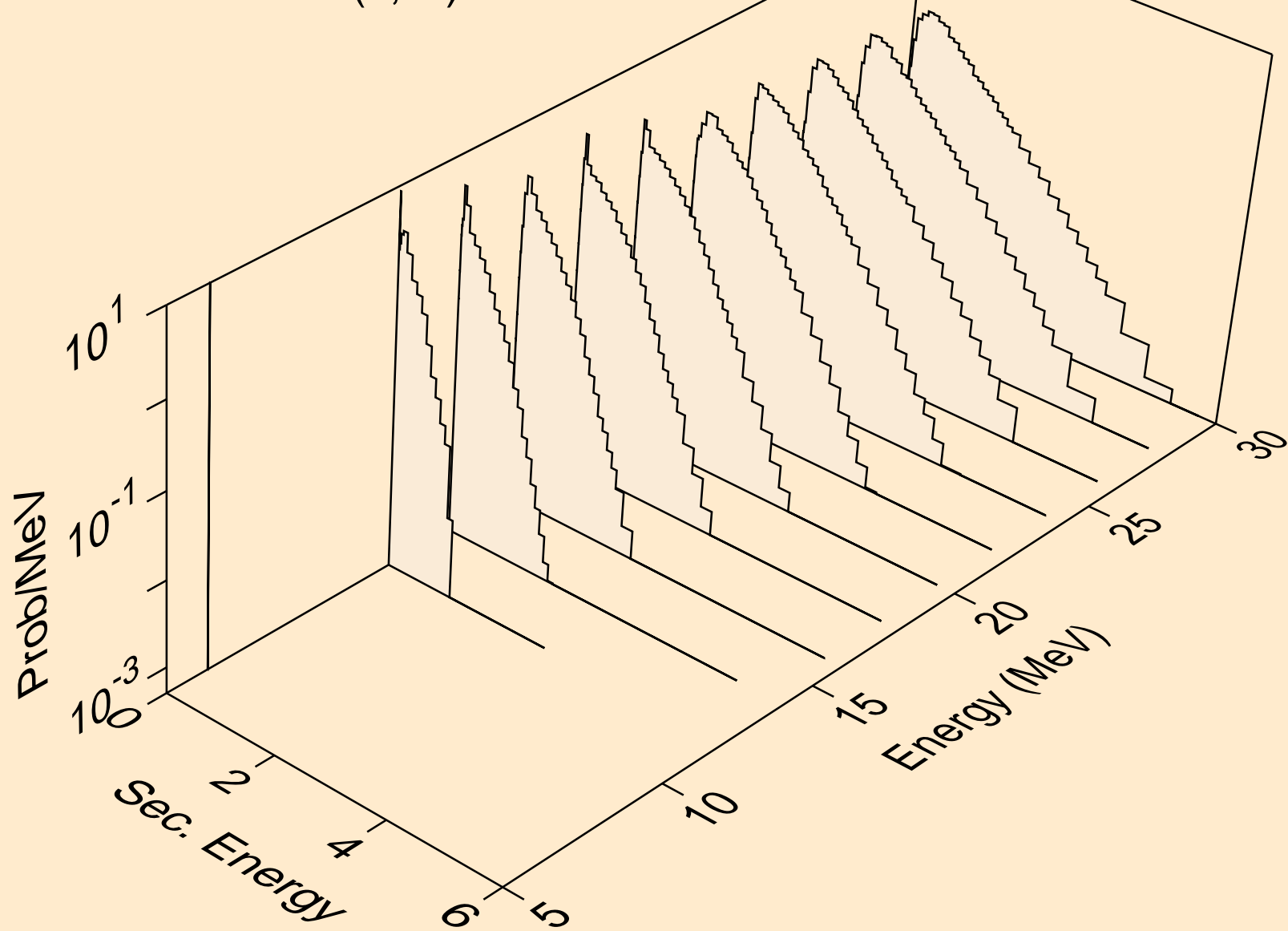
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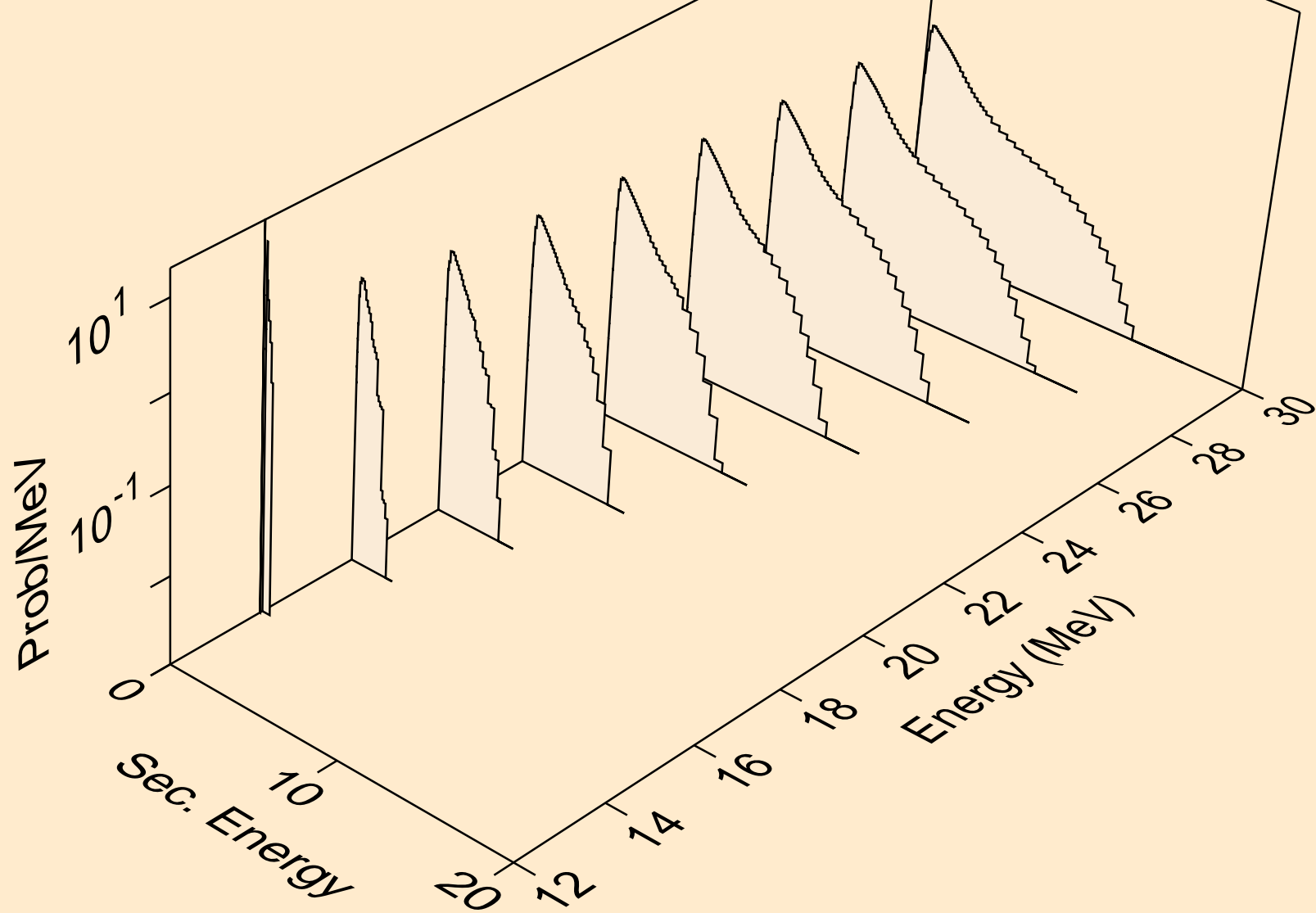
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)t



IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

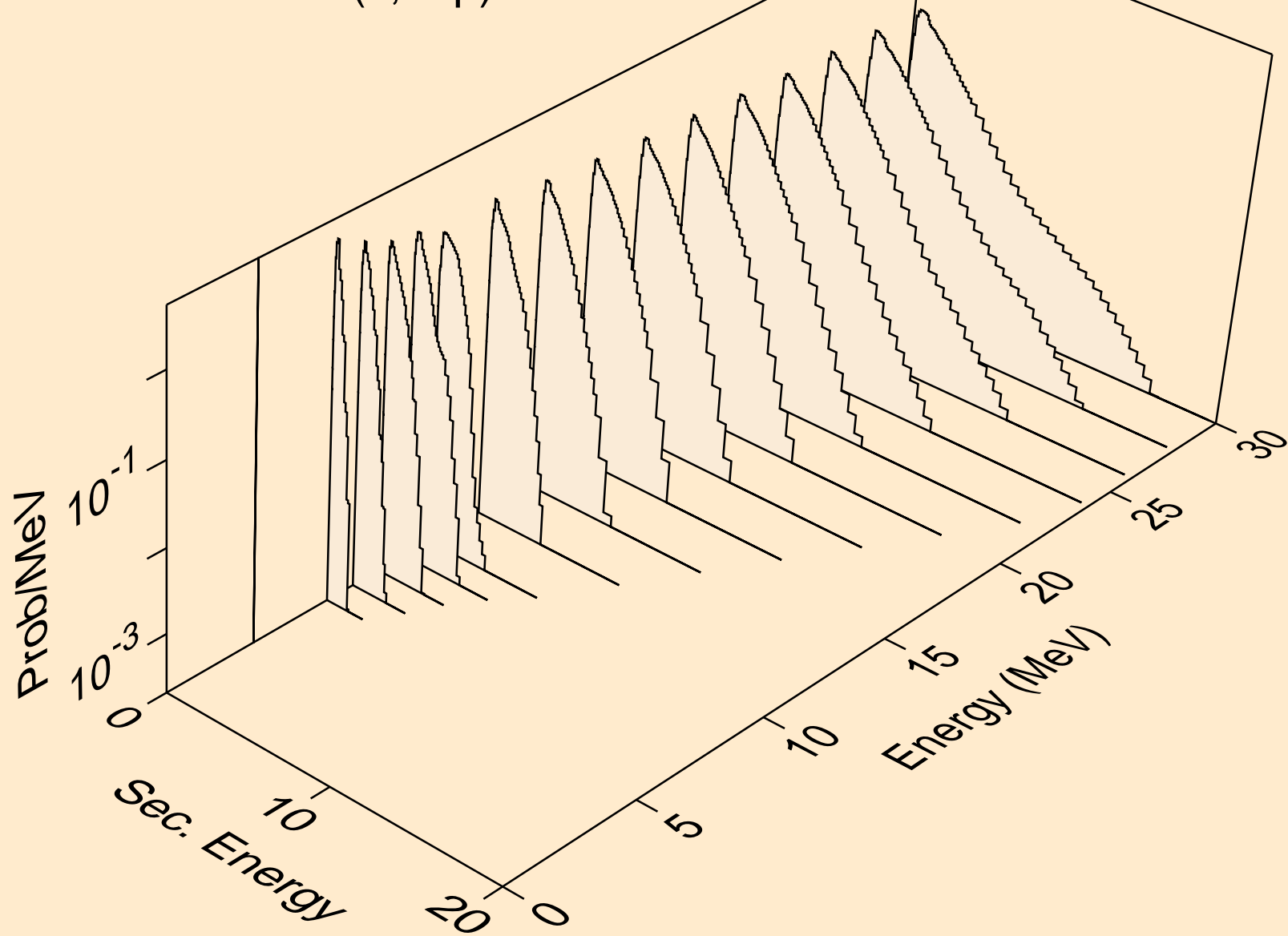


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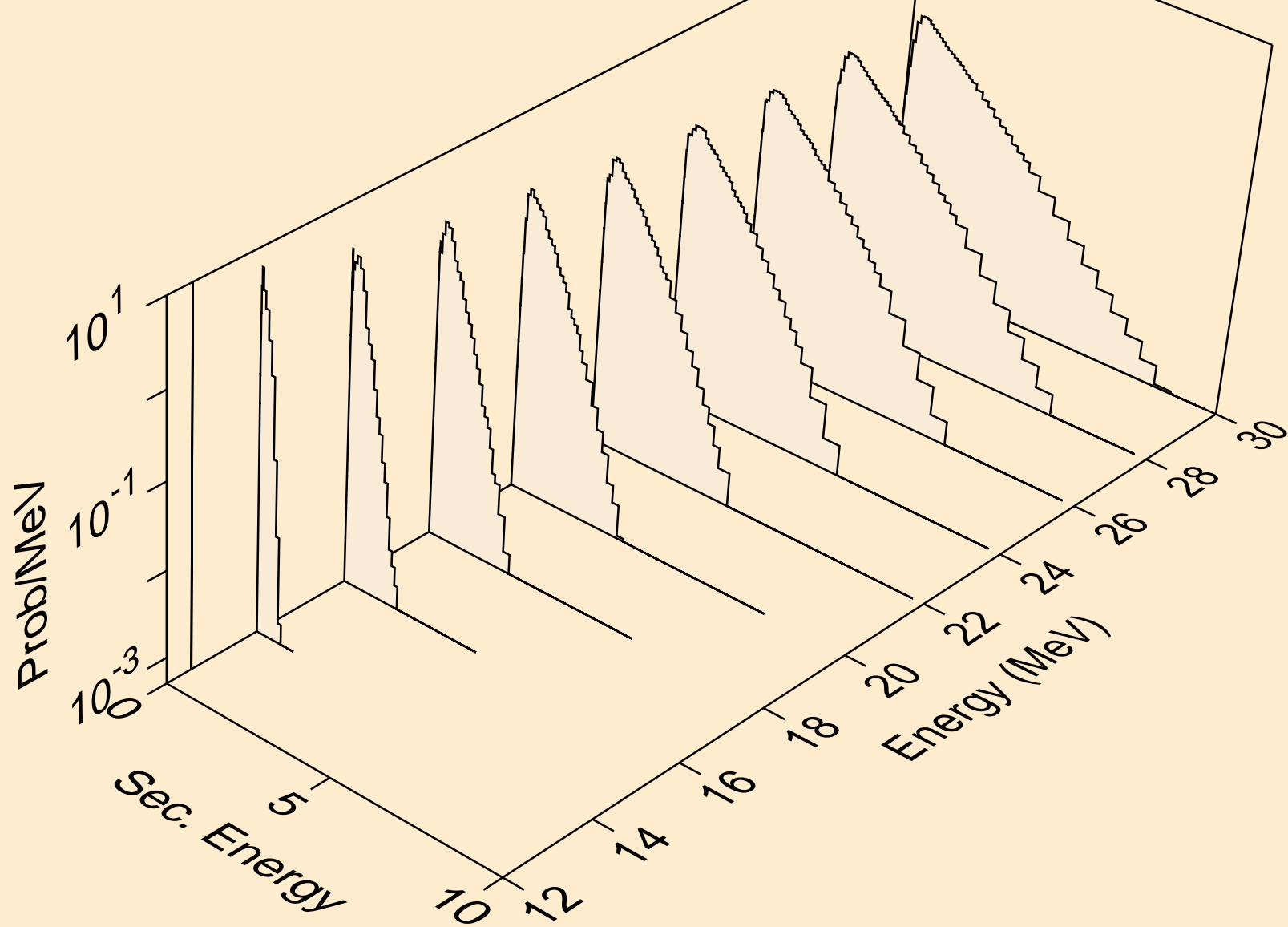




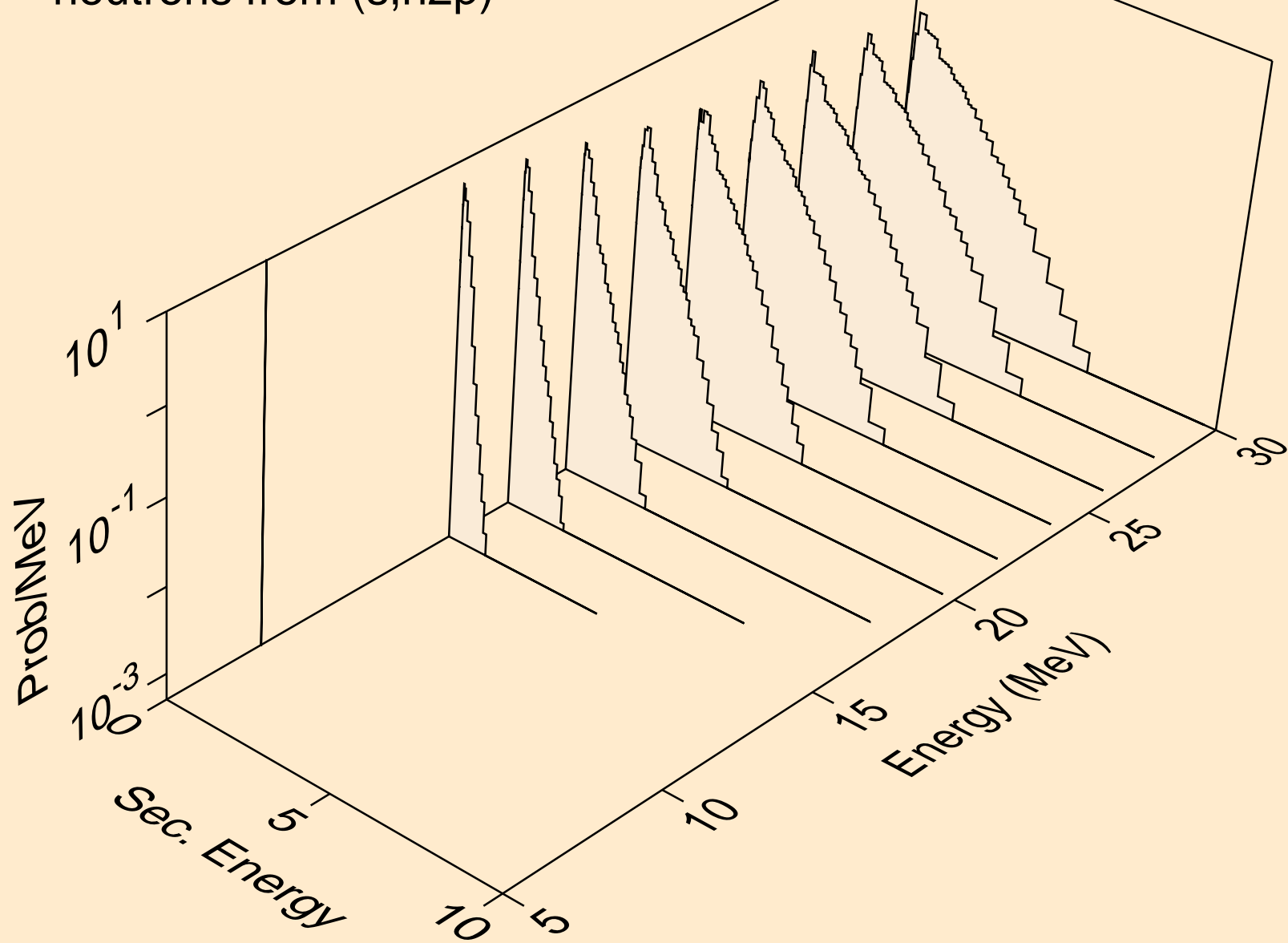
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neutrons from (s,2np)



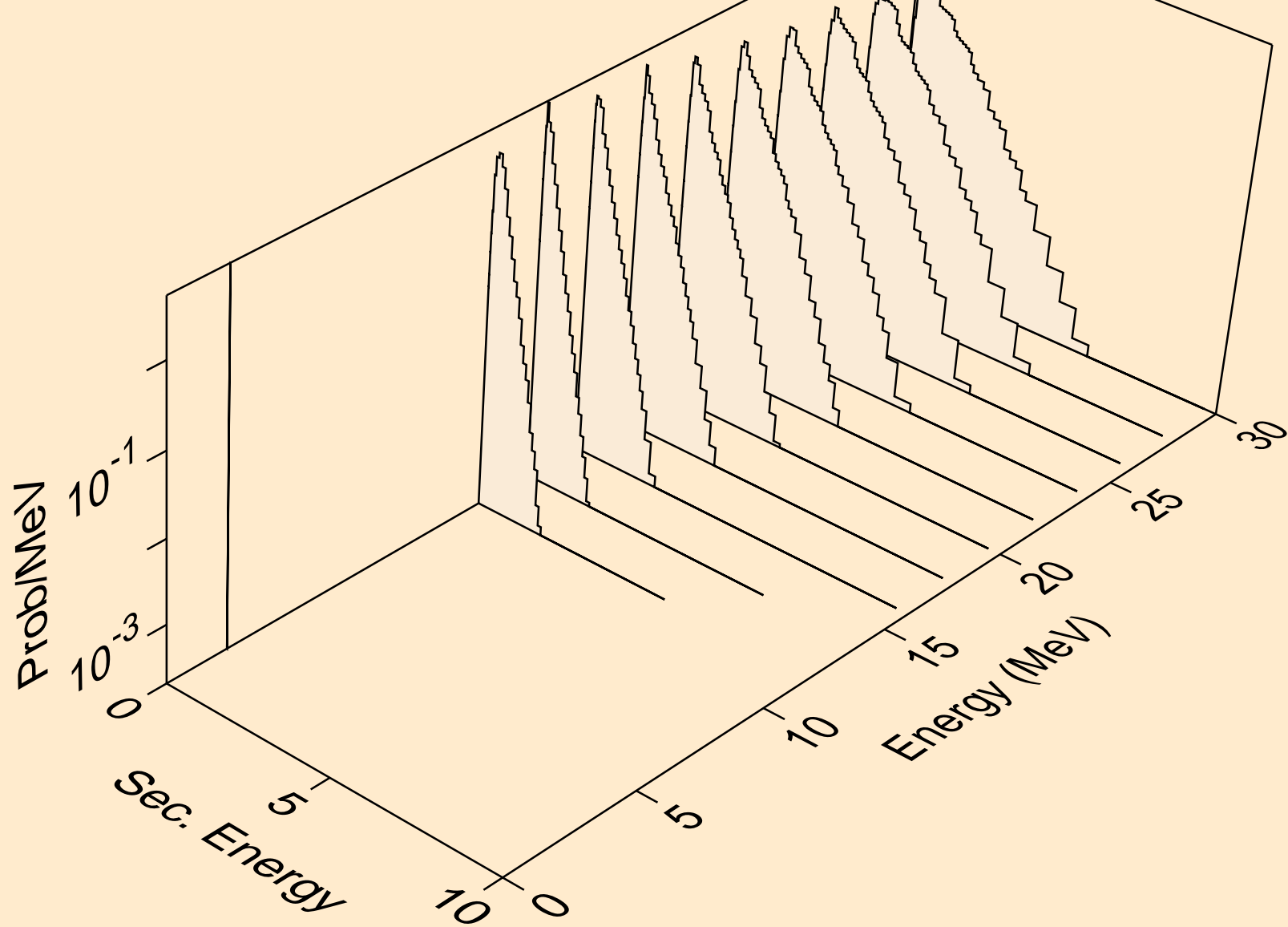
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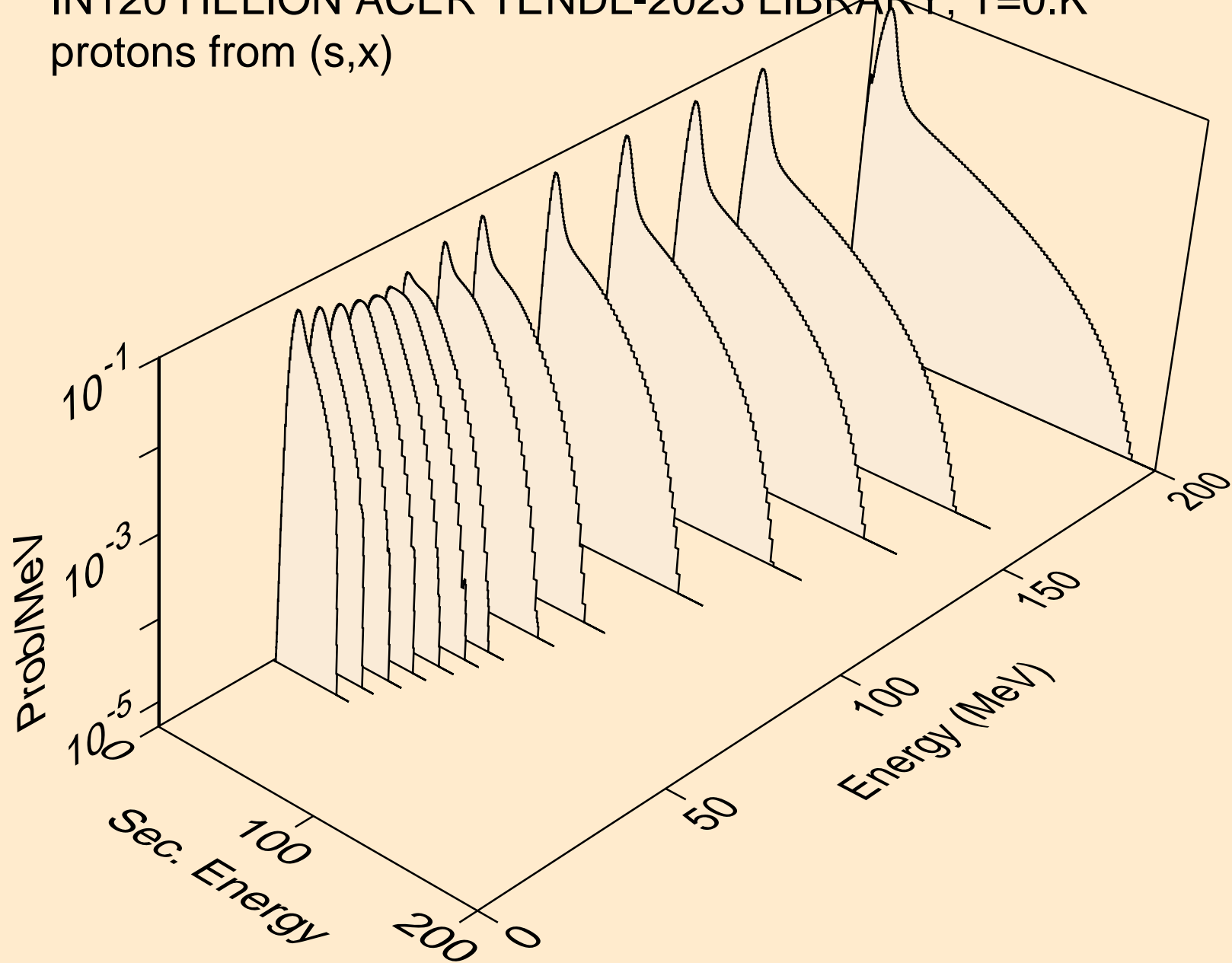
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n2p)



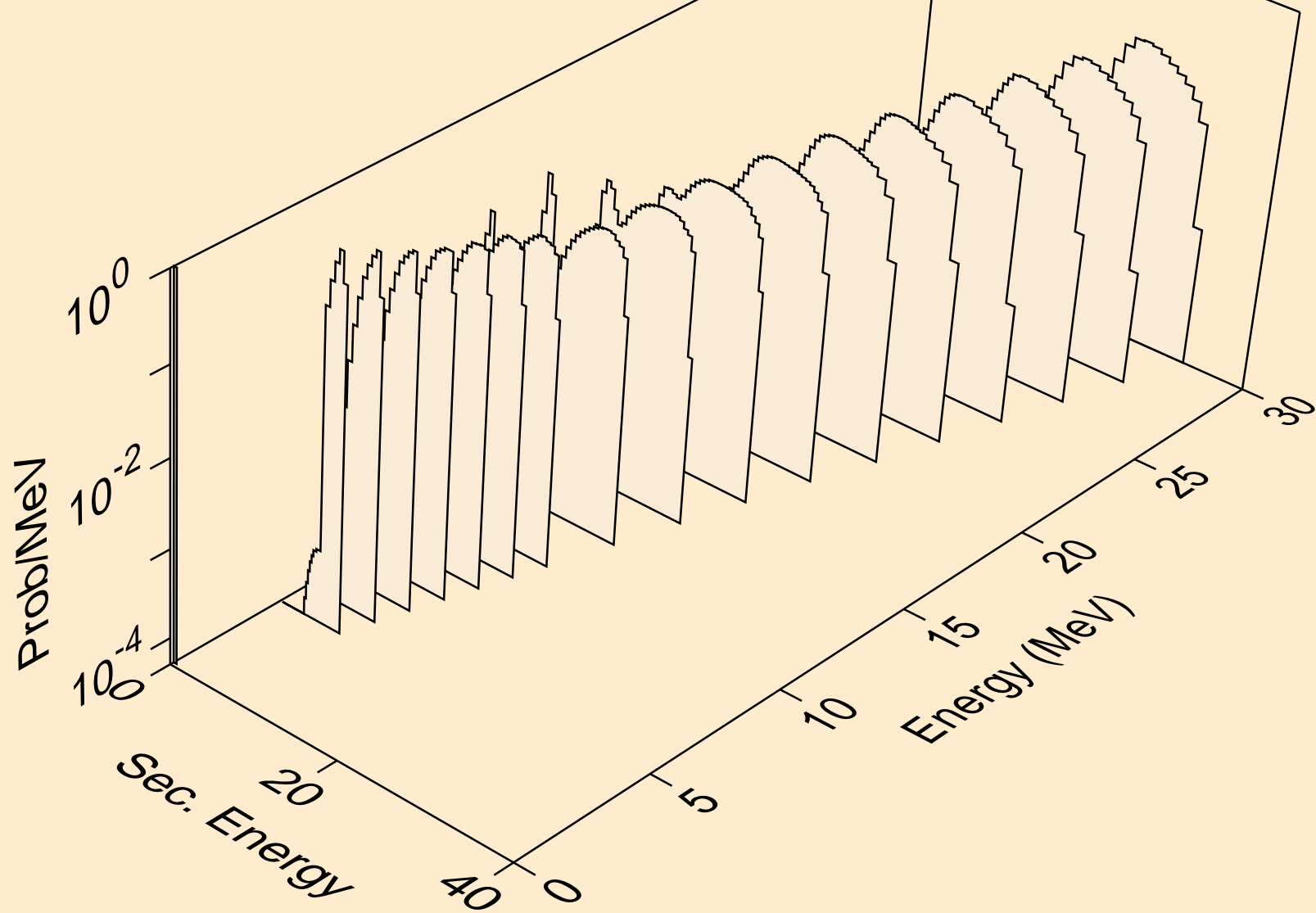
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,npa)



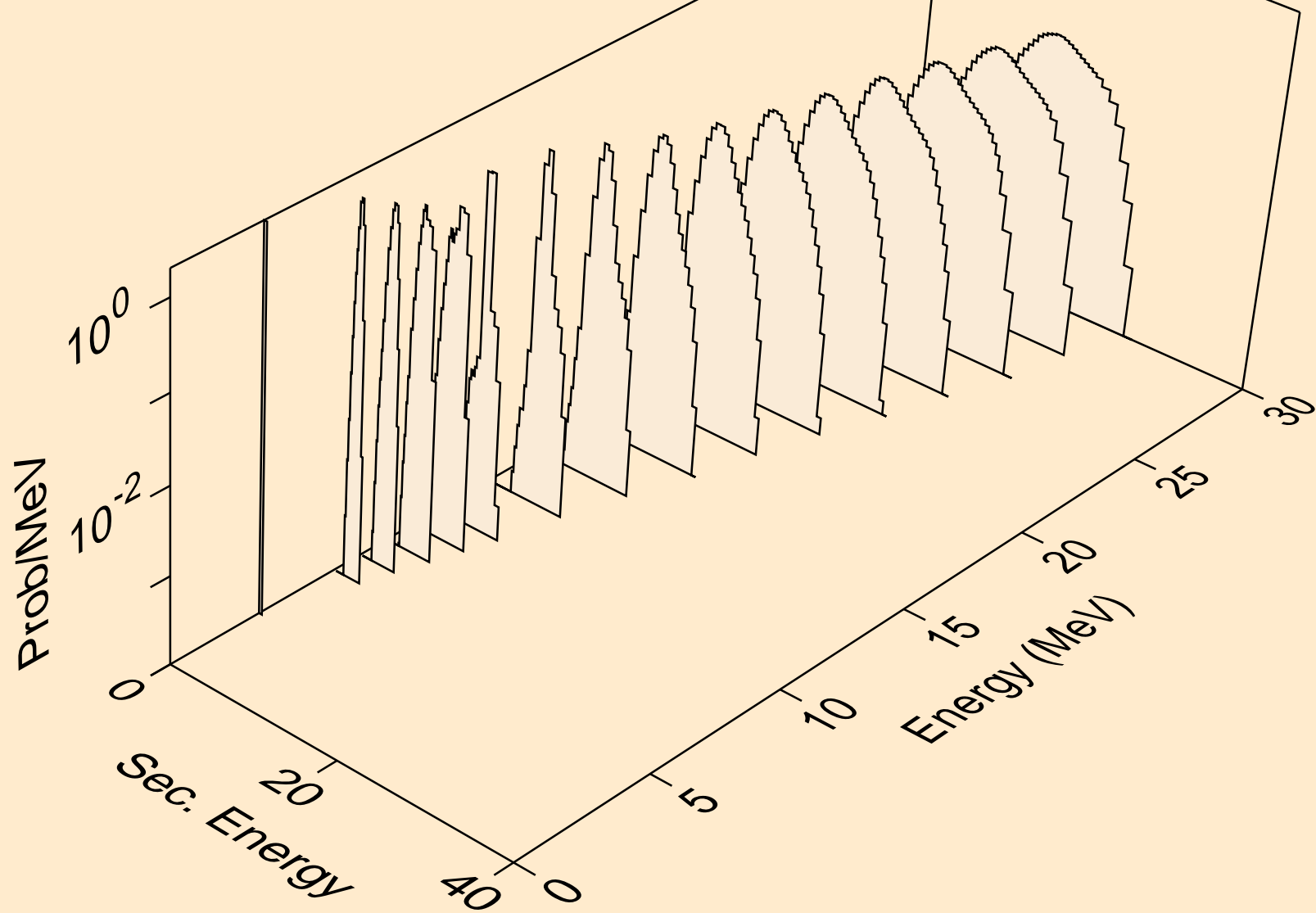
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,x)



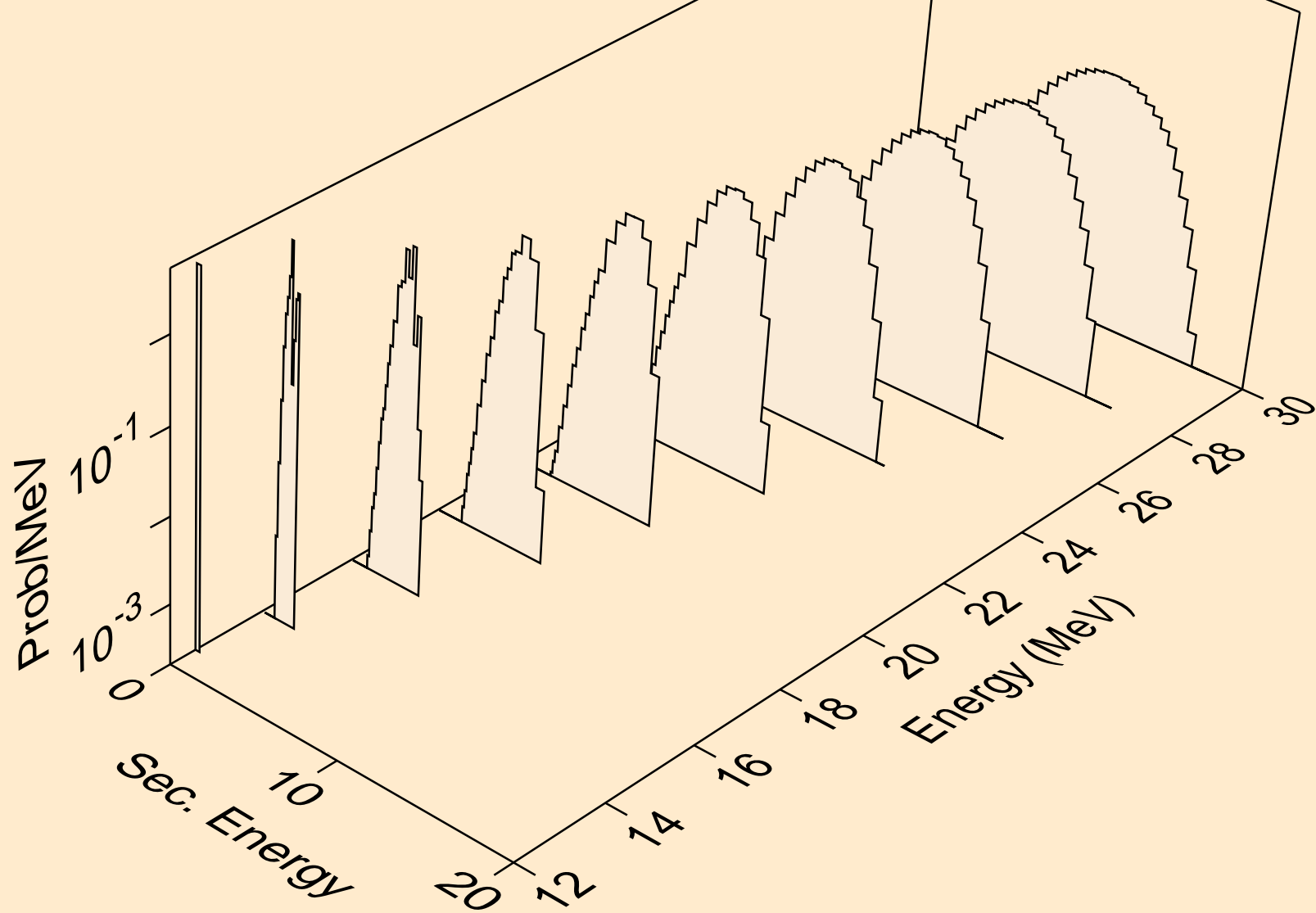
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n\*)p



IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,2np)

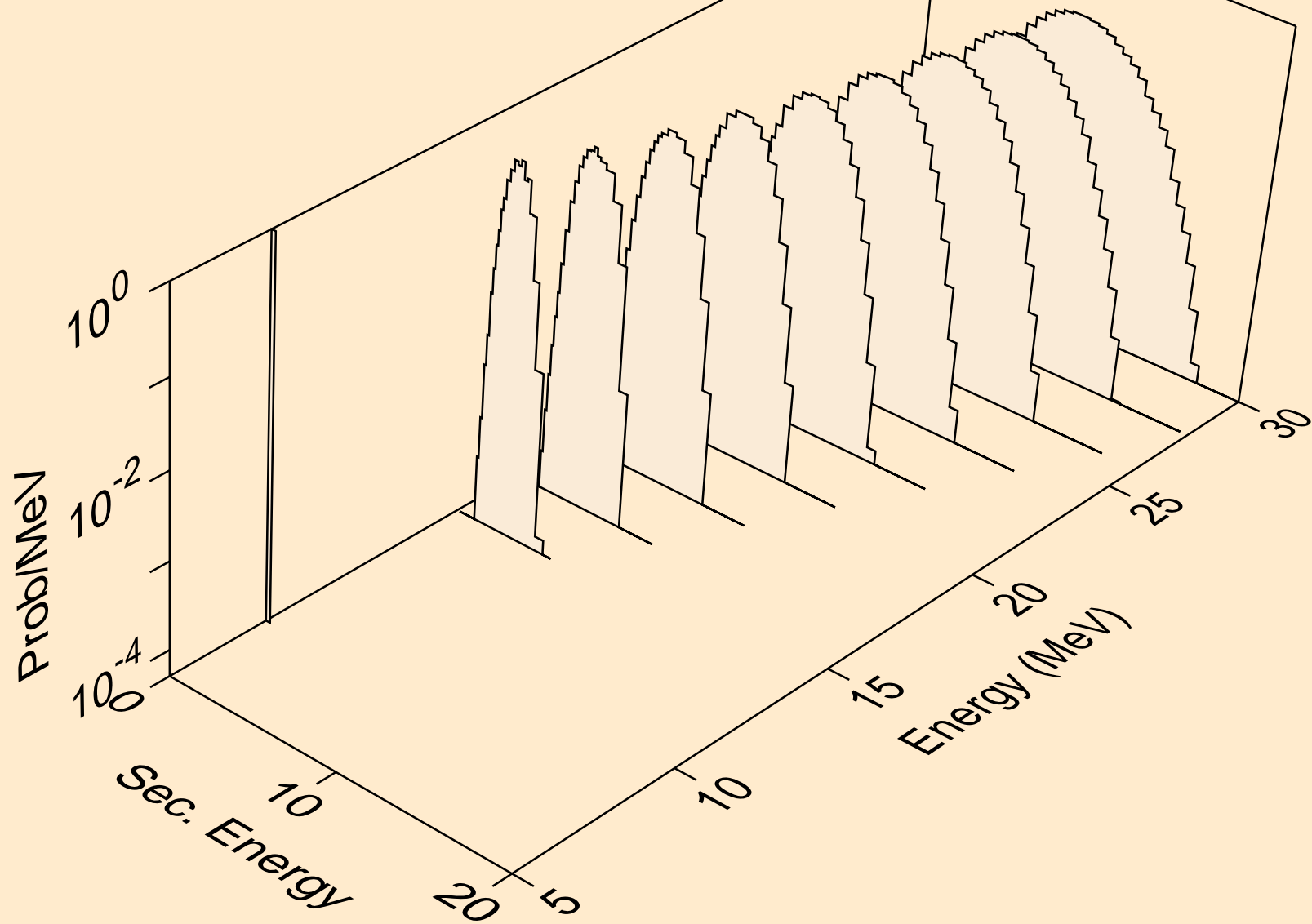


IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,3np)

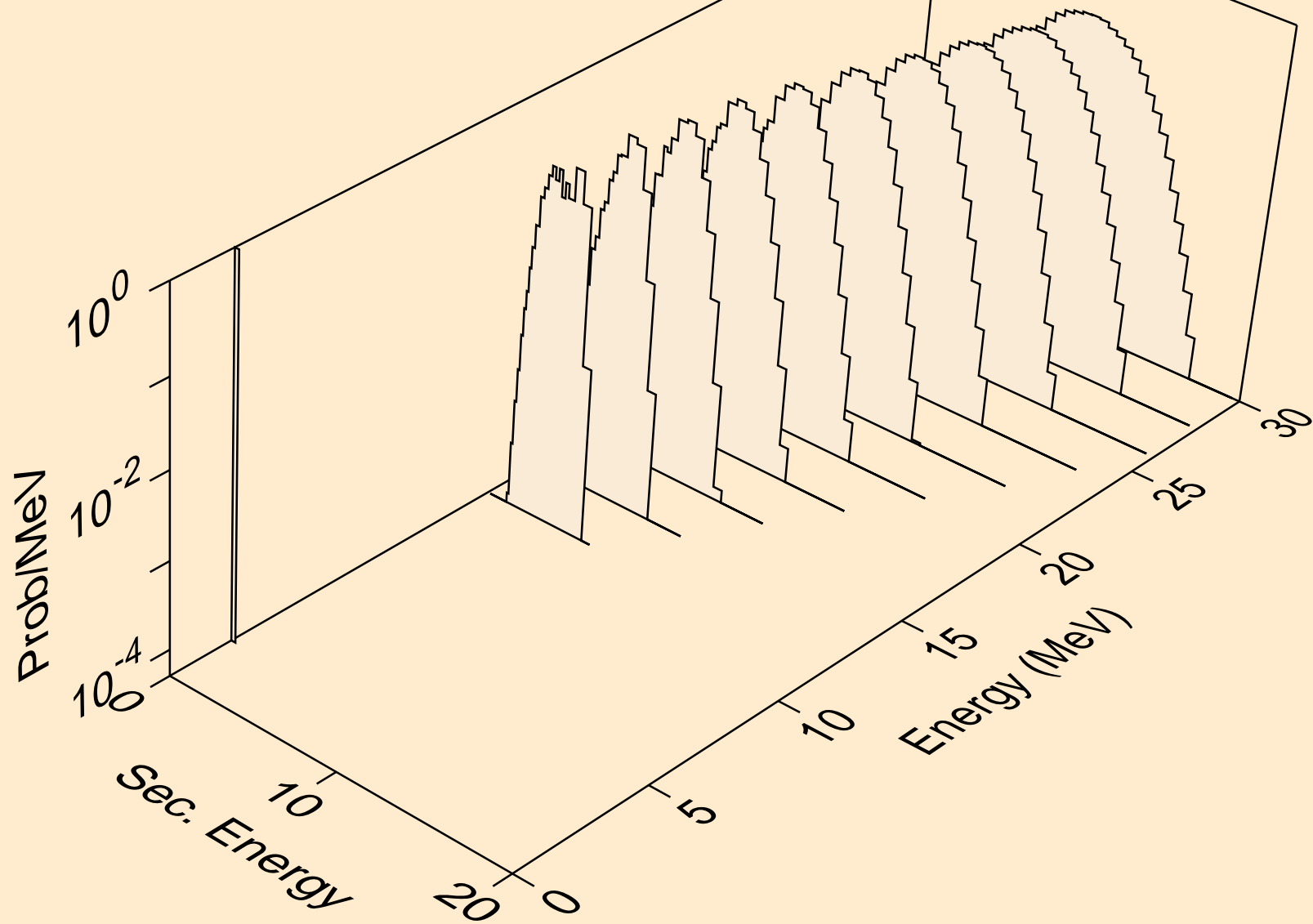




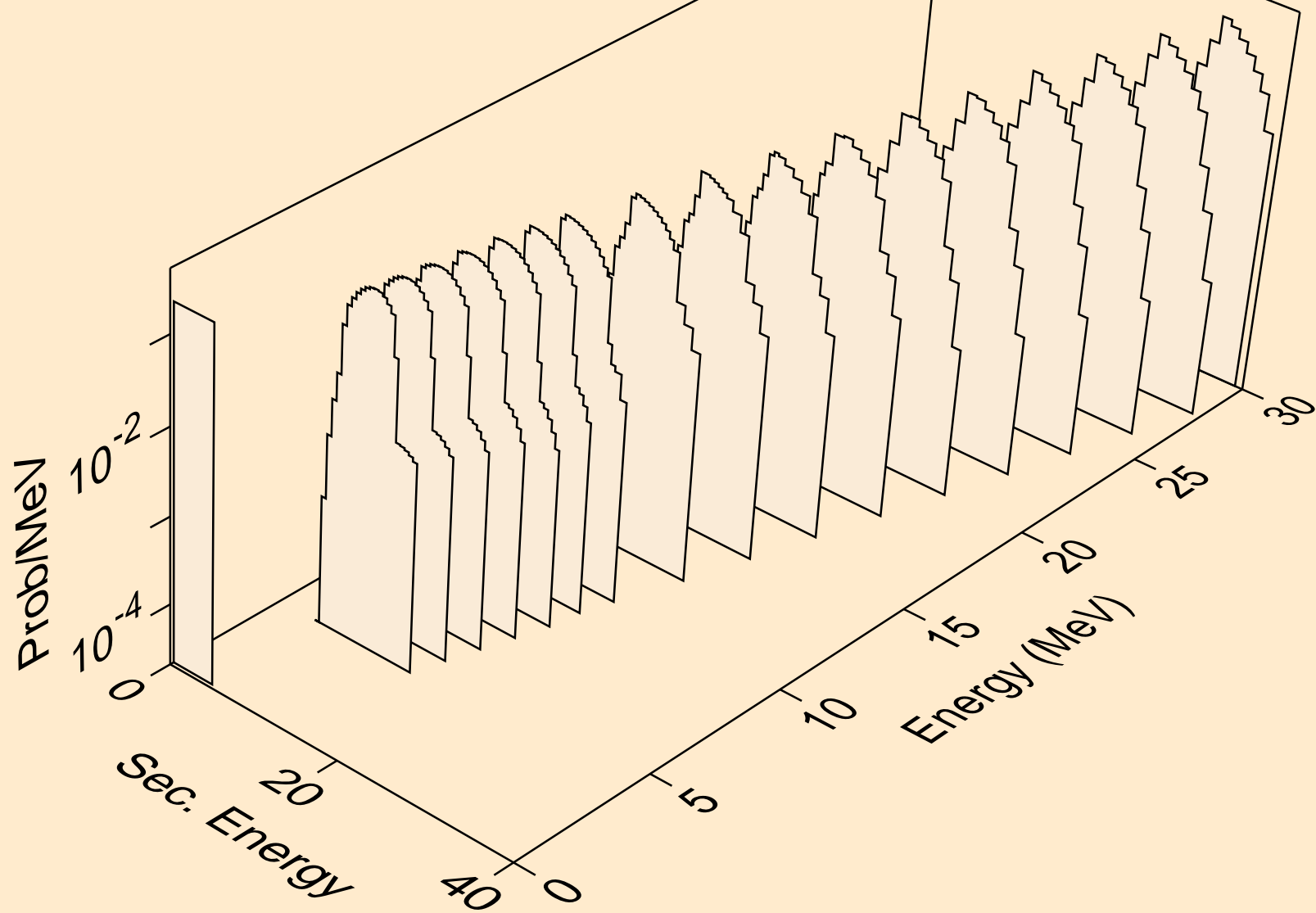
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n2p)



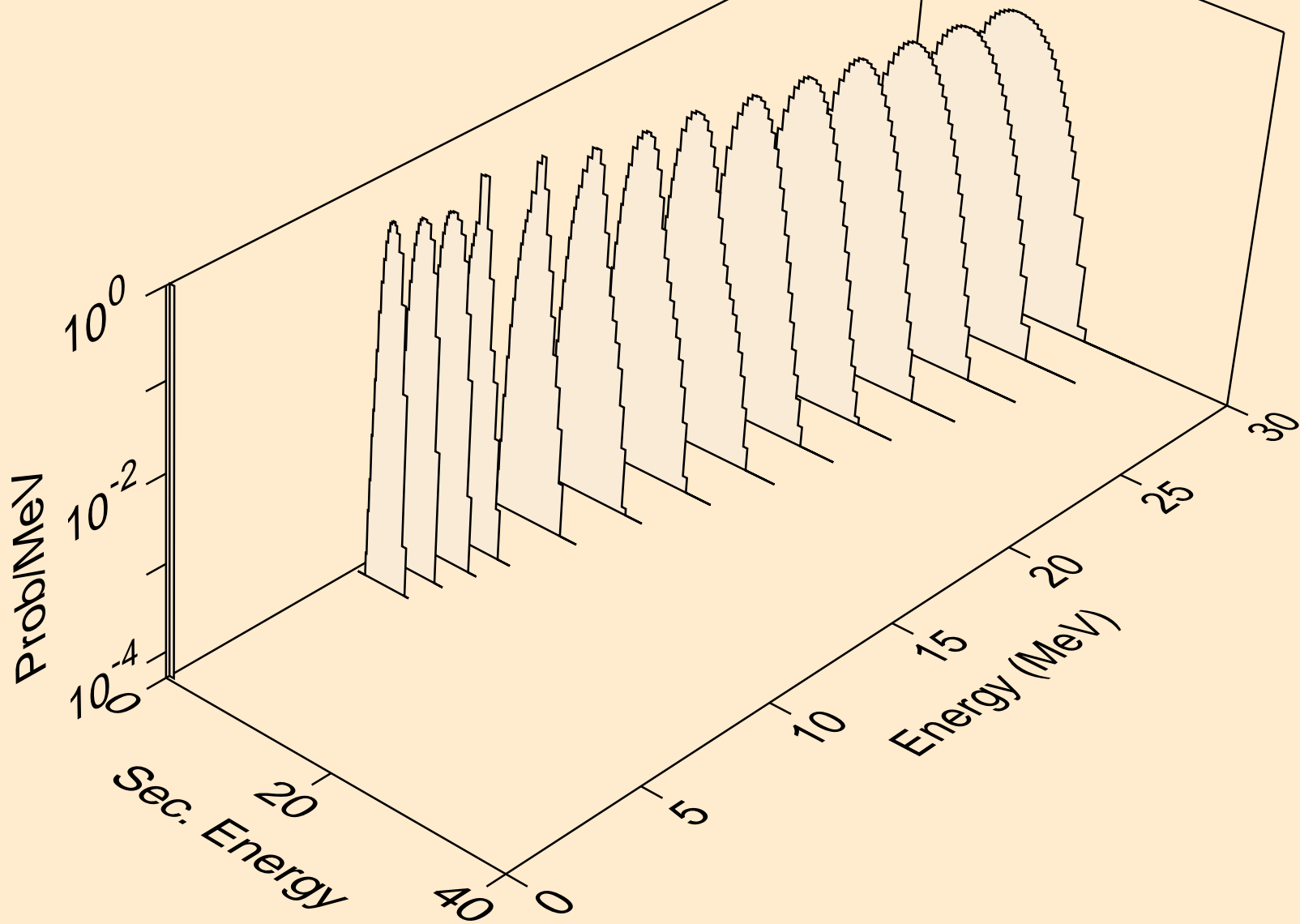
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protons from (s,npa)



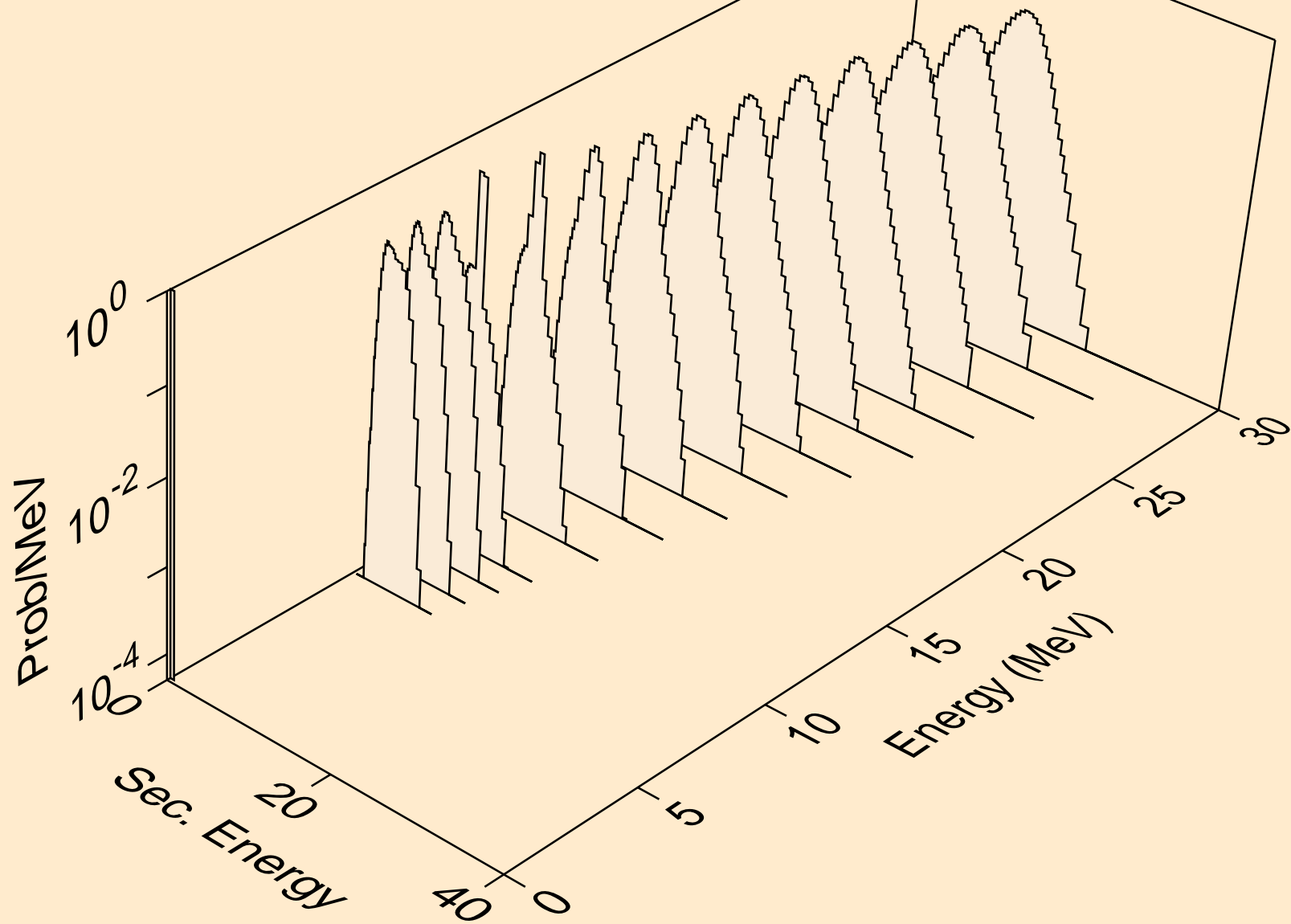
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protons from (s,p)



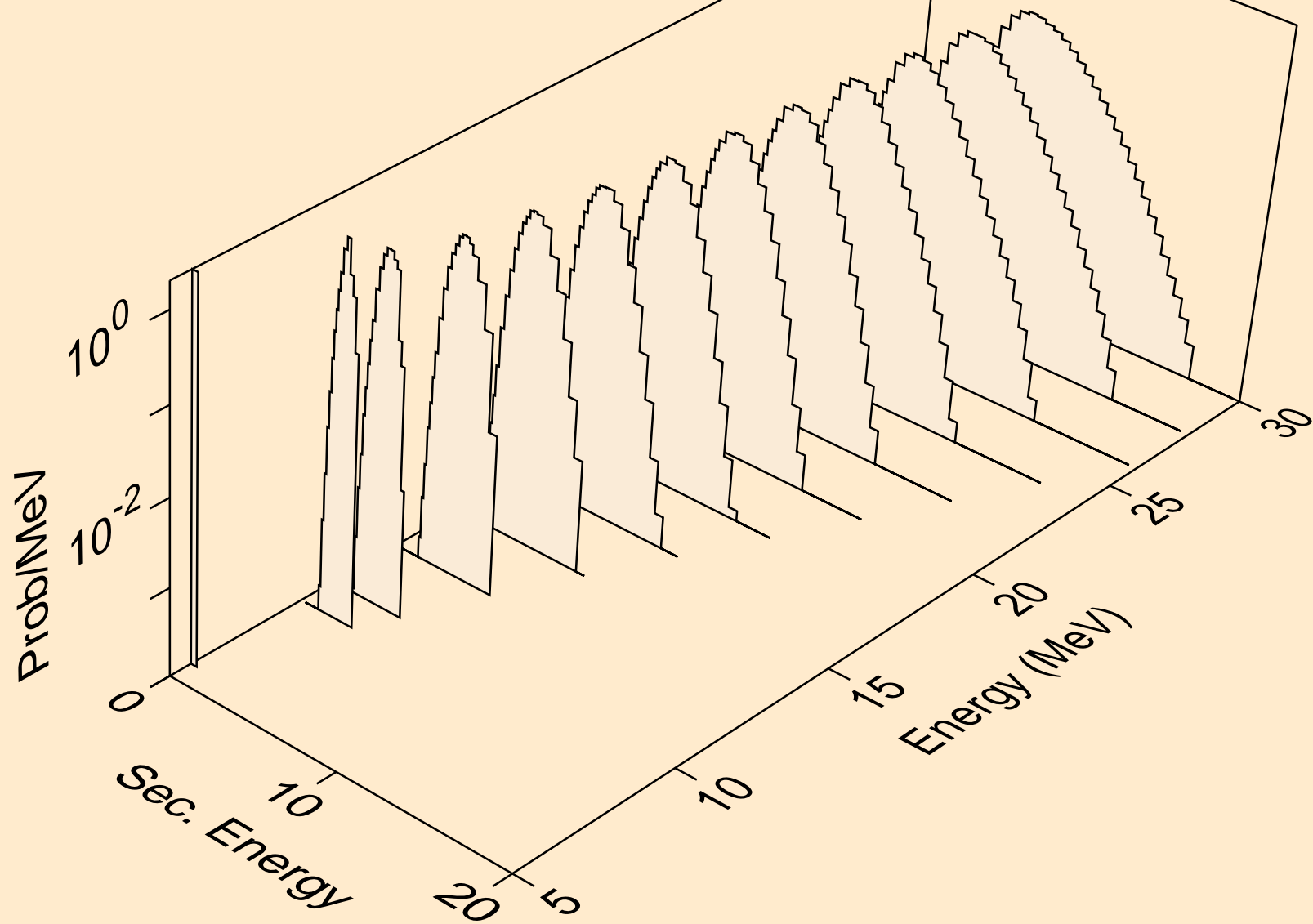
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protons from (s,2p)



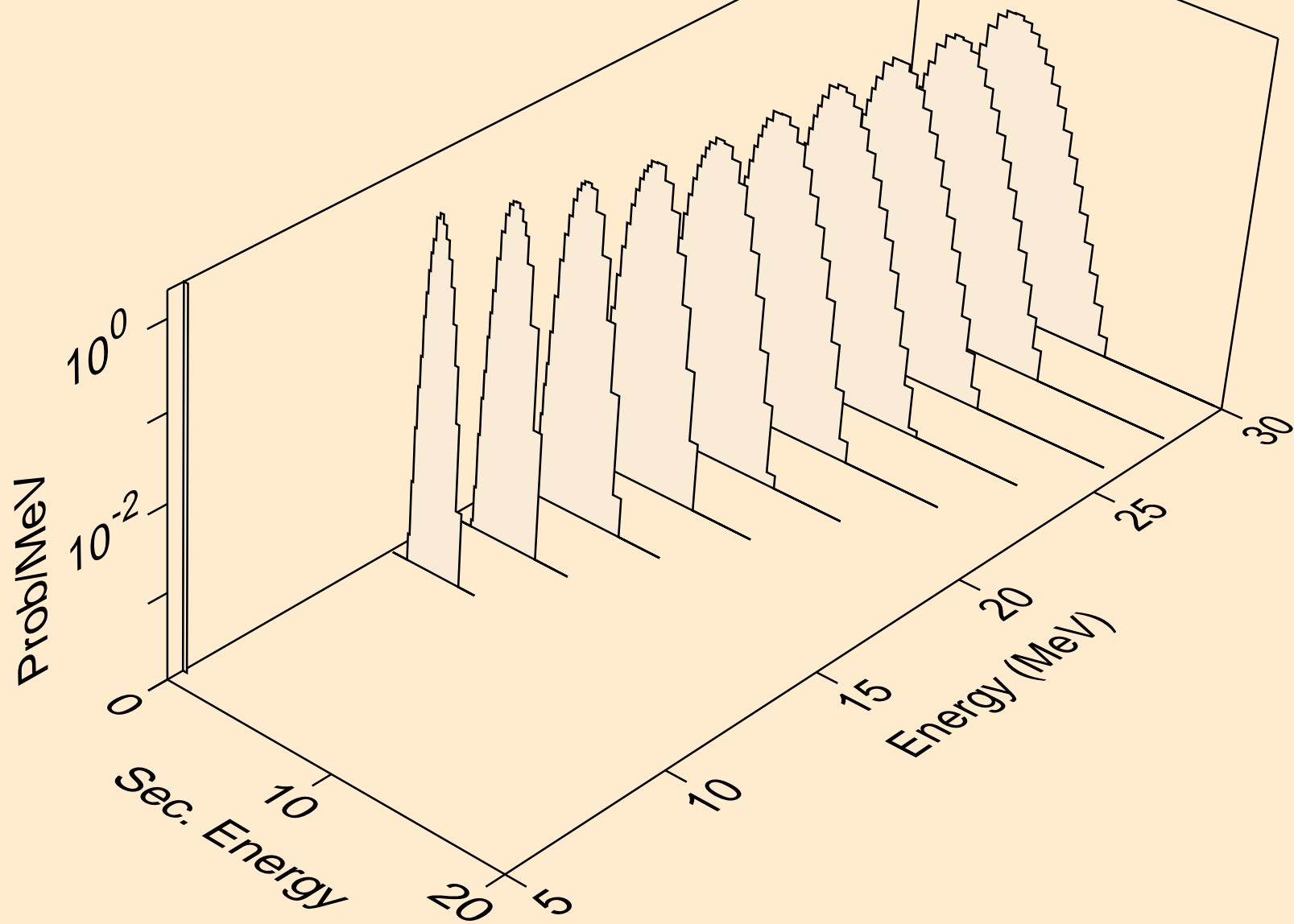
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pa)



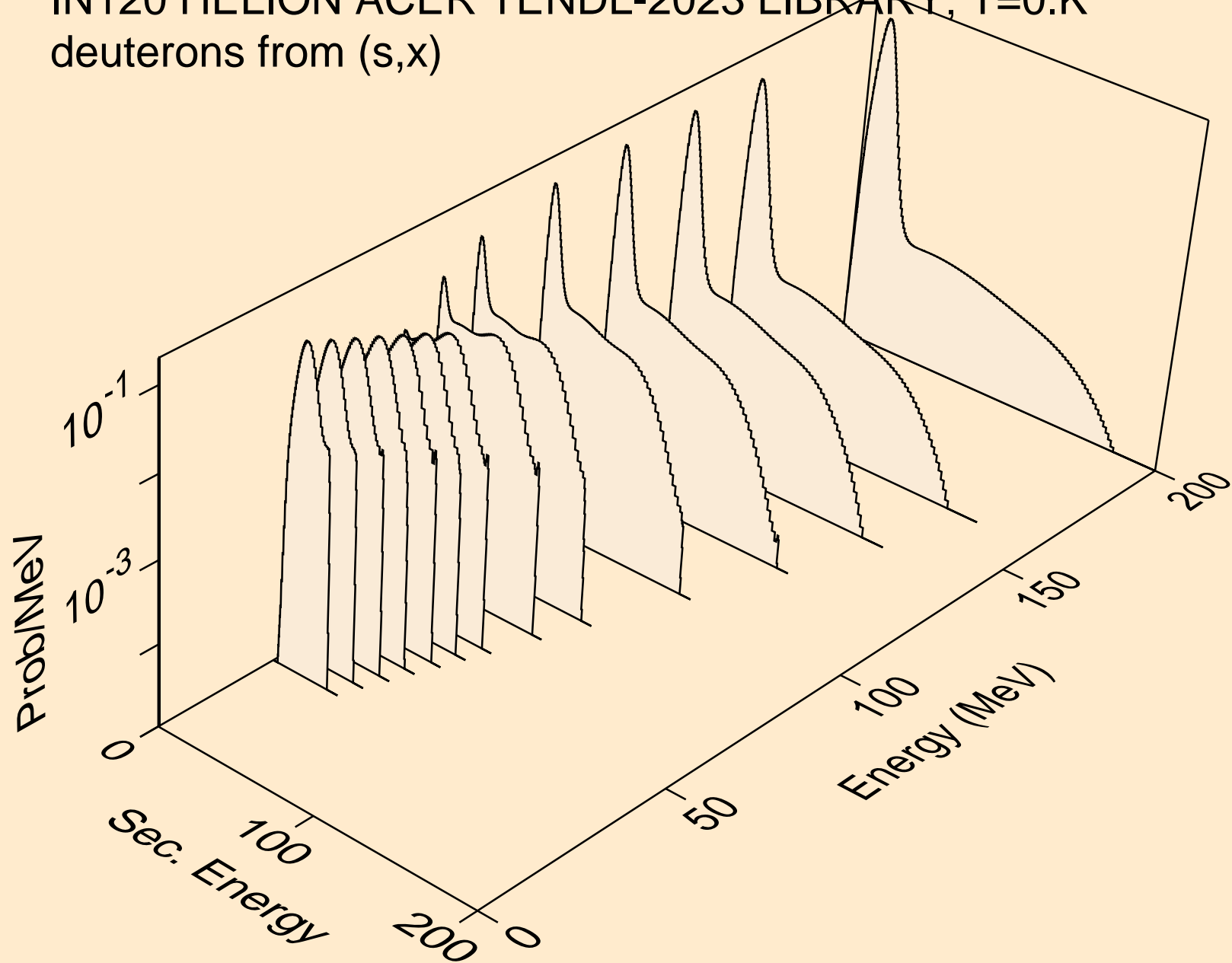
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pd)



IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pt)

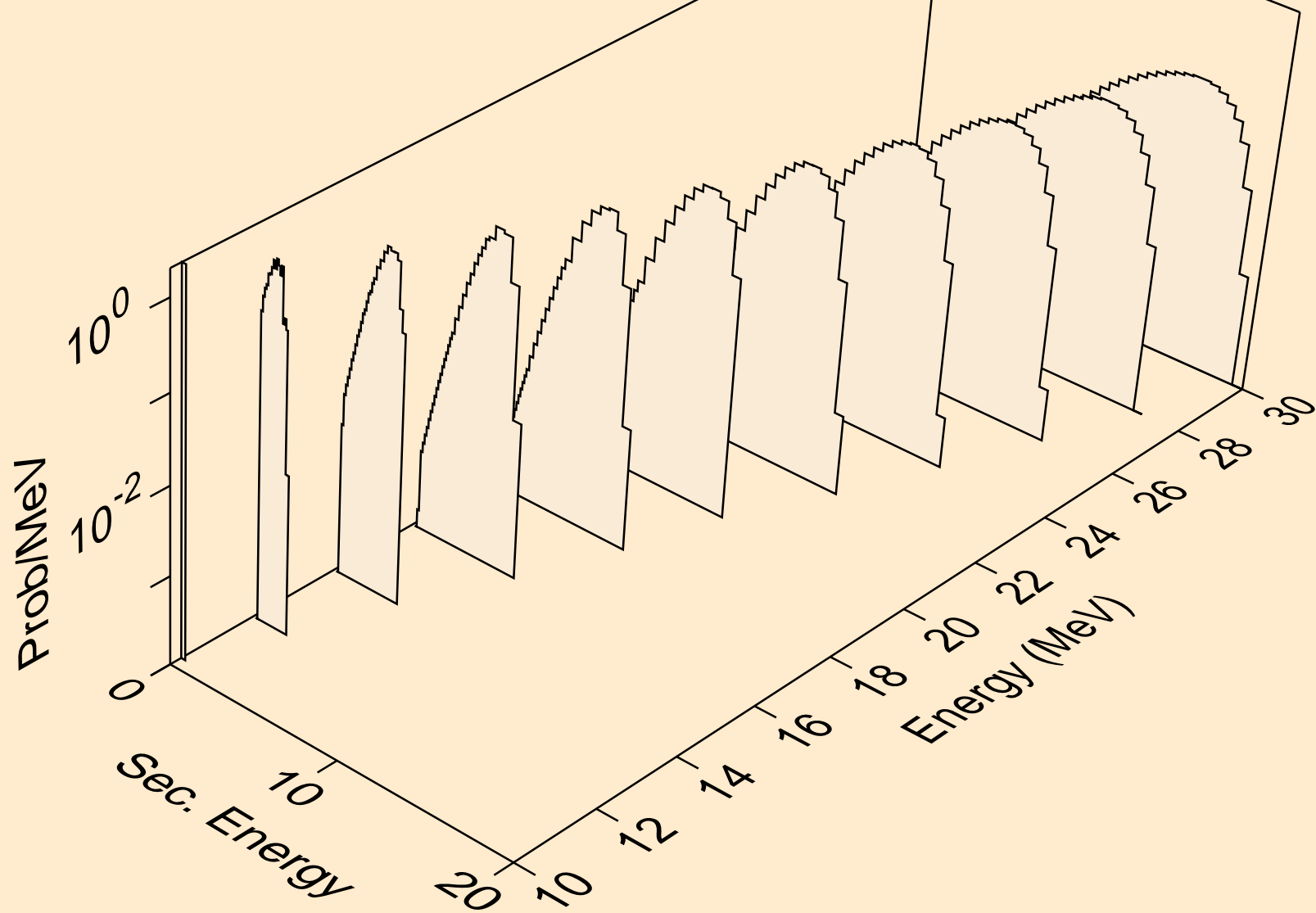


IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,x)

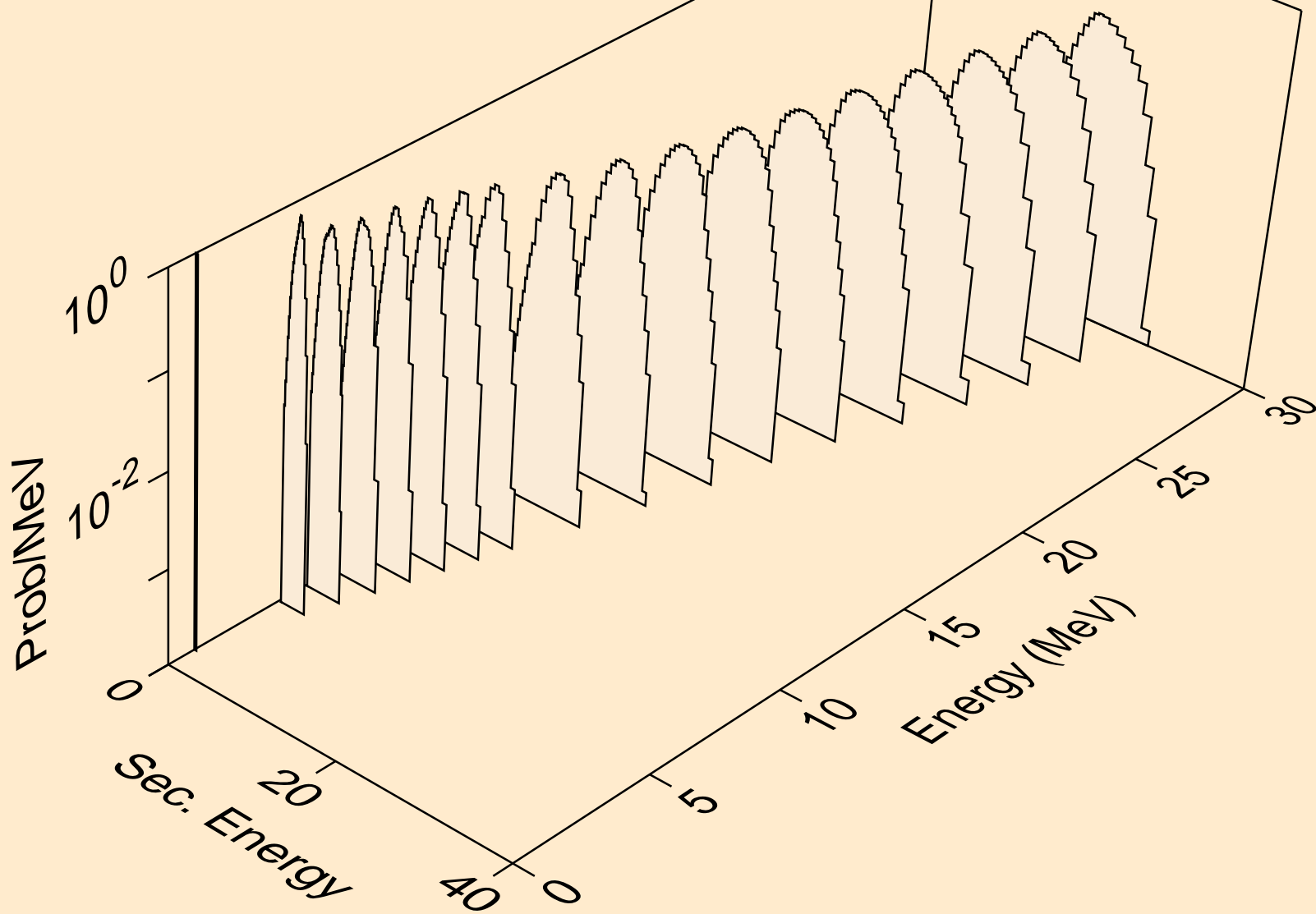




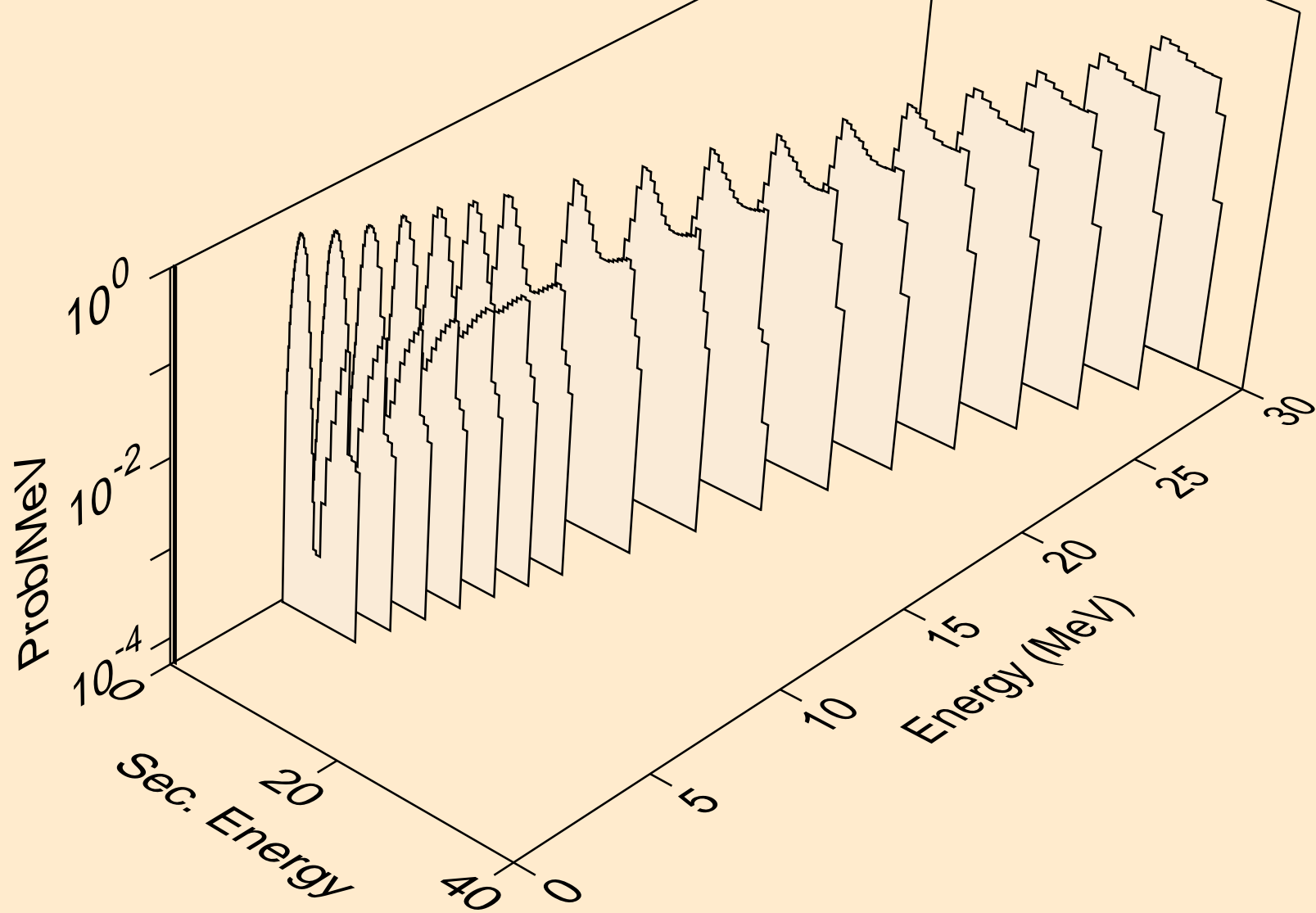
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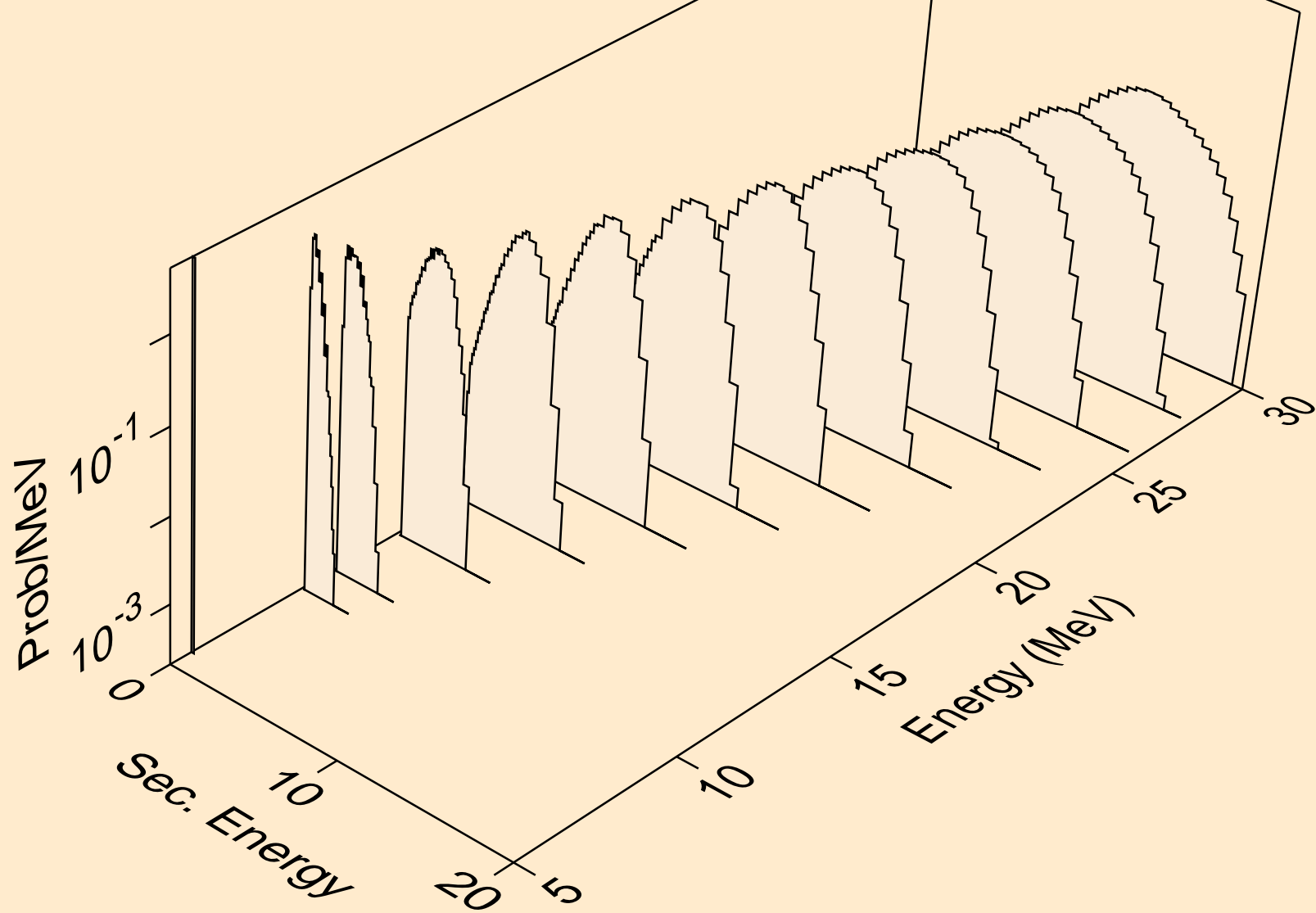
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,n\*)d



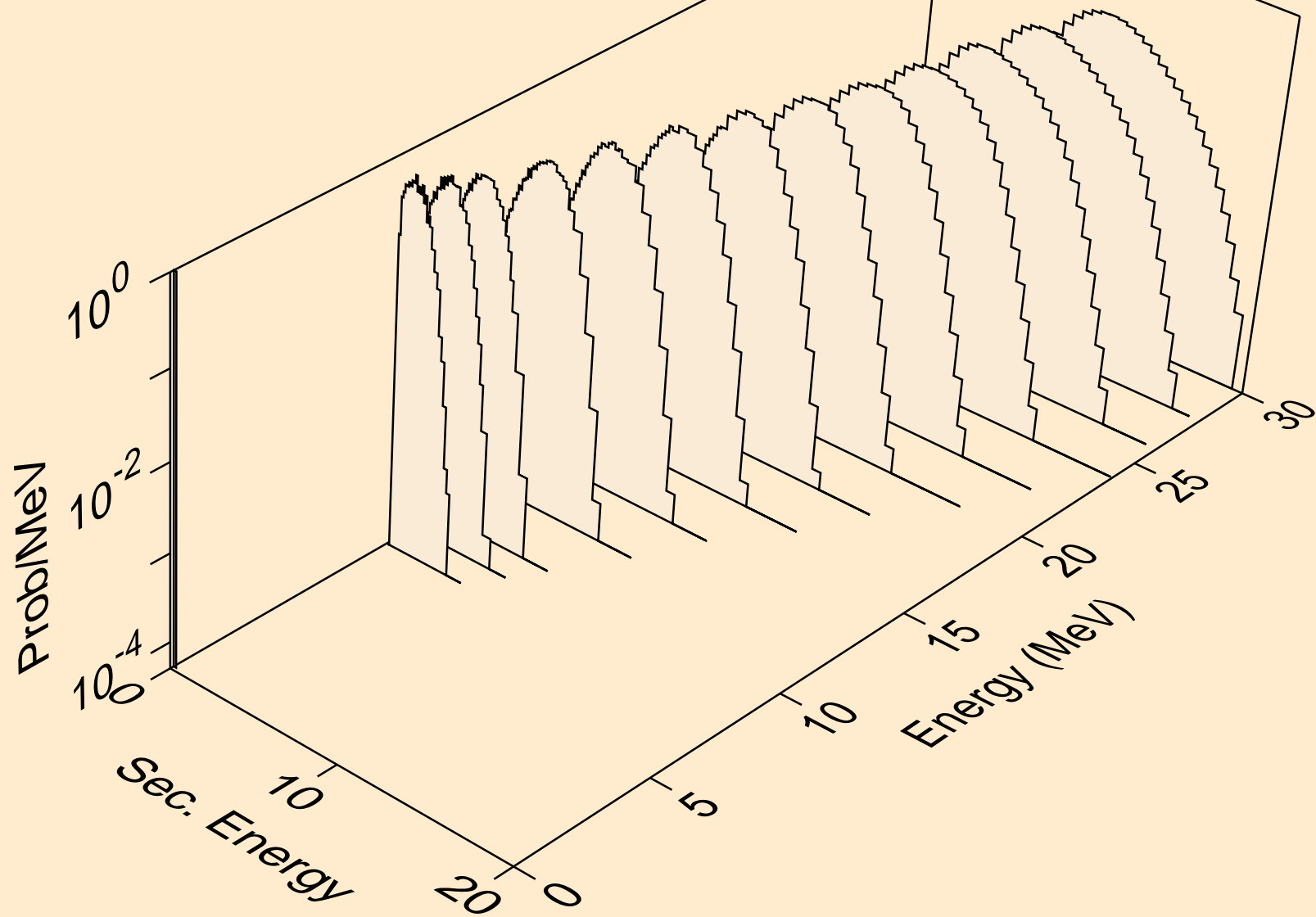
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deuterons from (s,d)



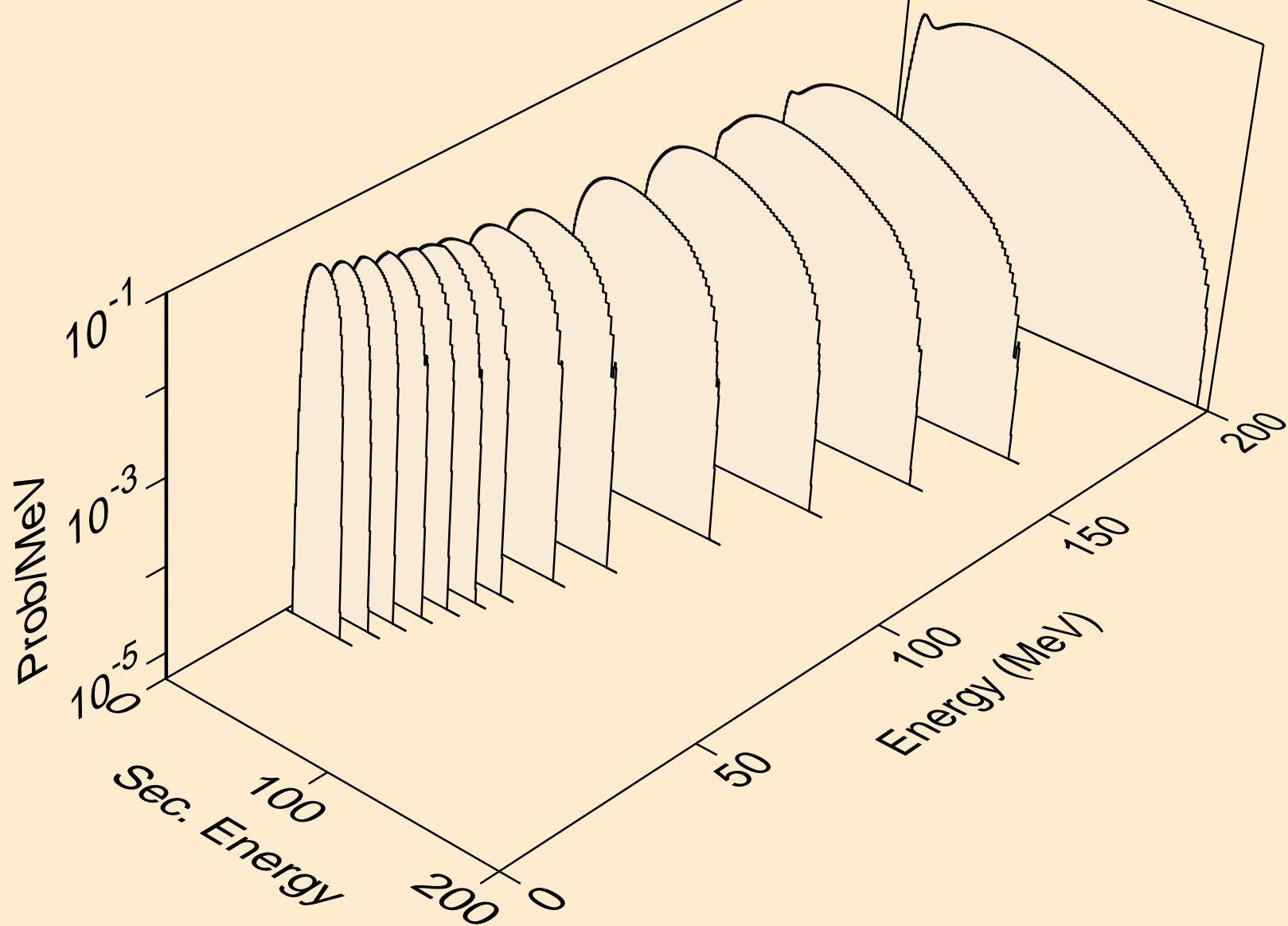
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deuterons from (s,pd)



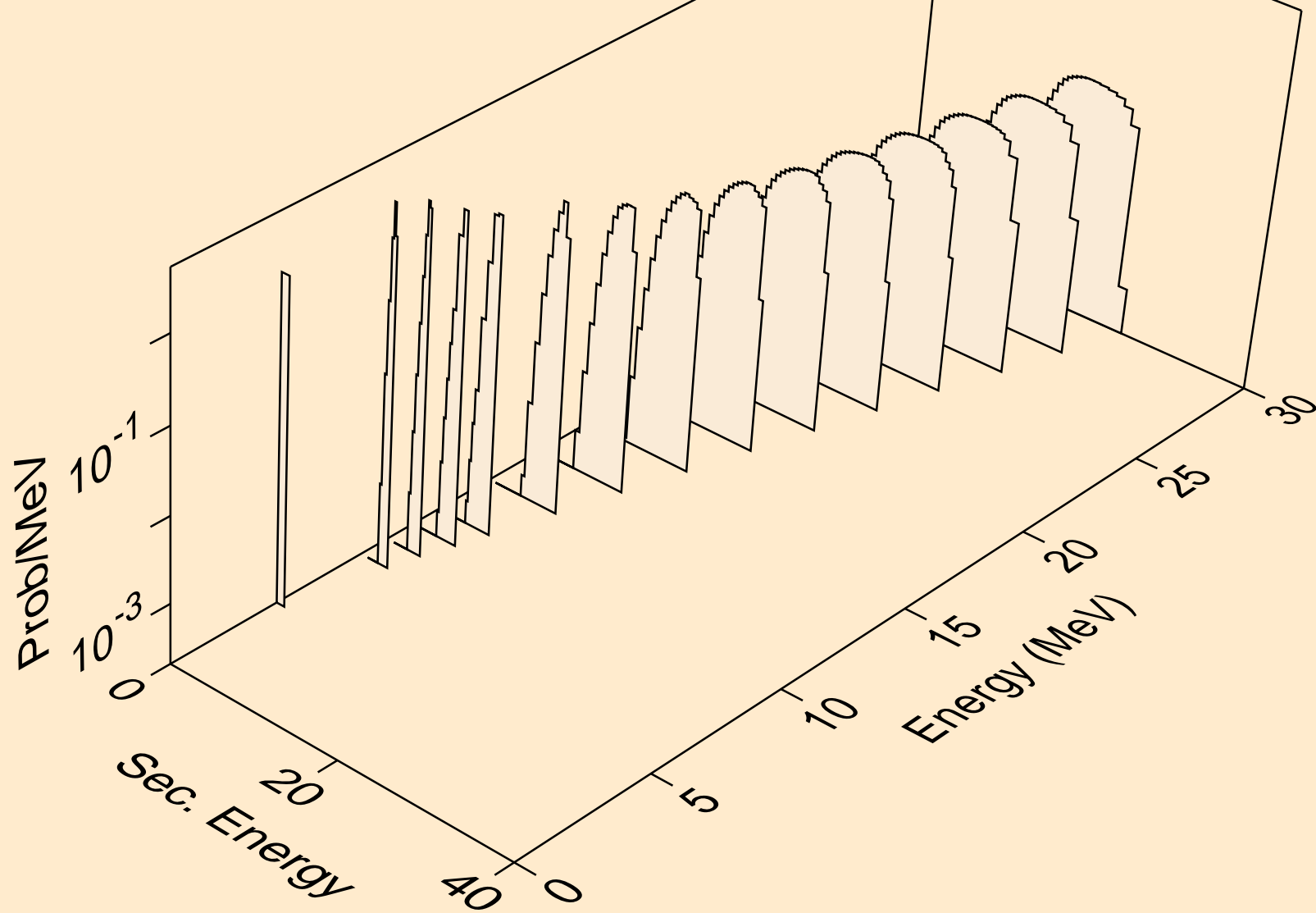
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deuterons from (s,da)



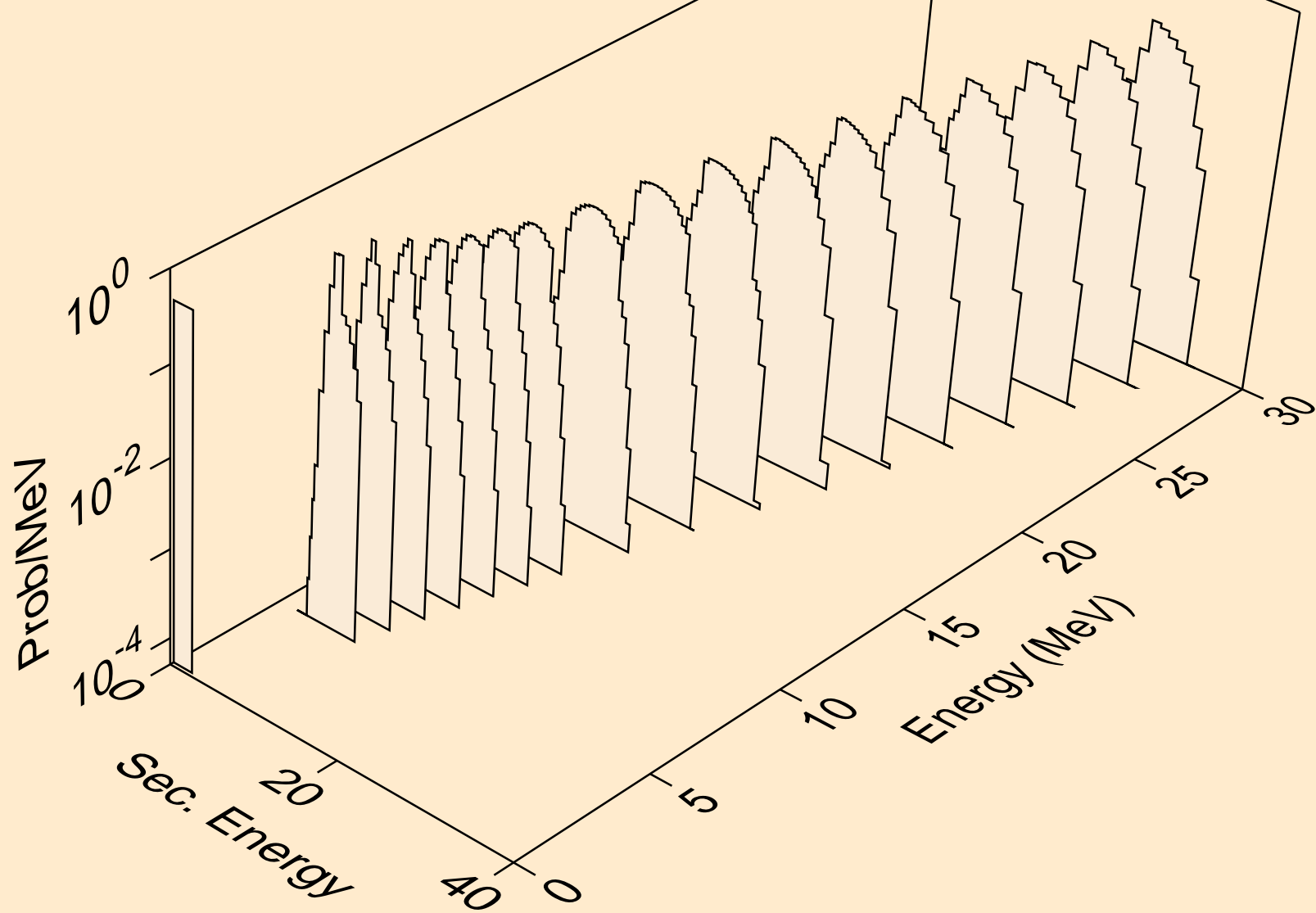
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,x)



IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,n\*)t

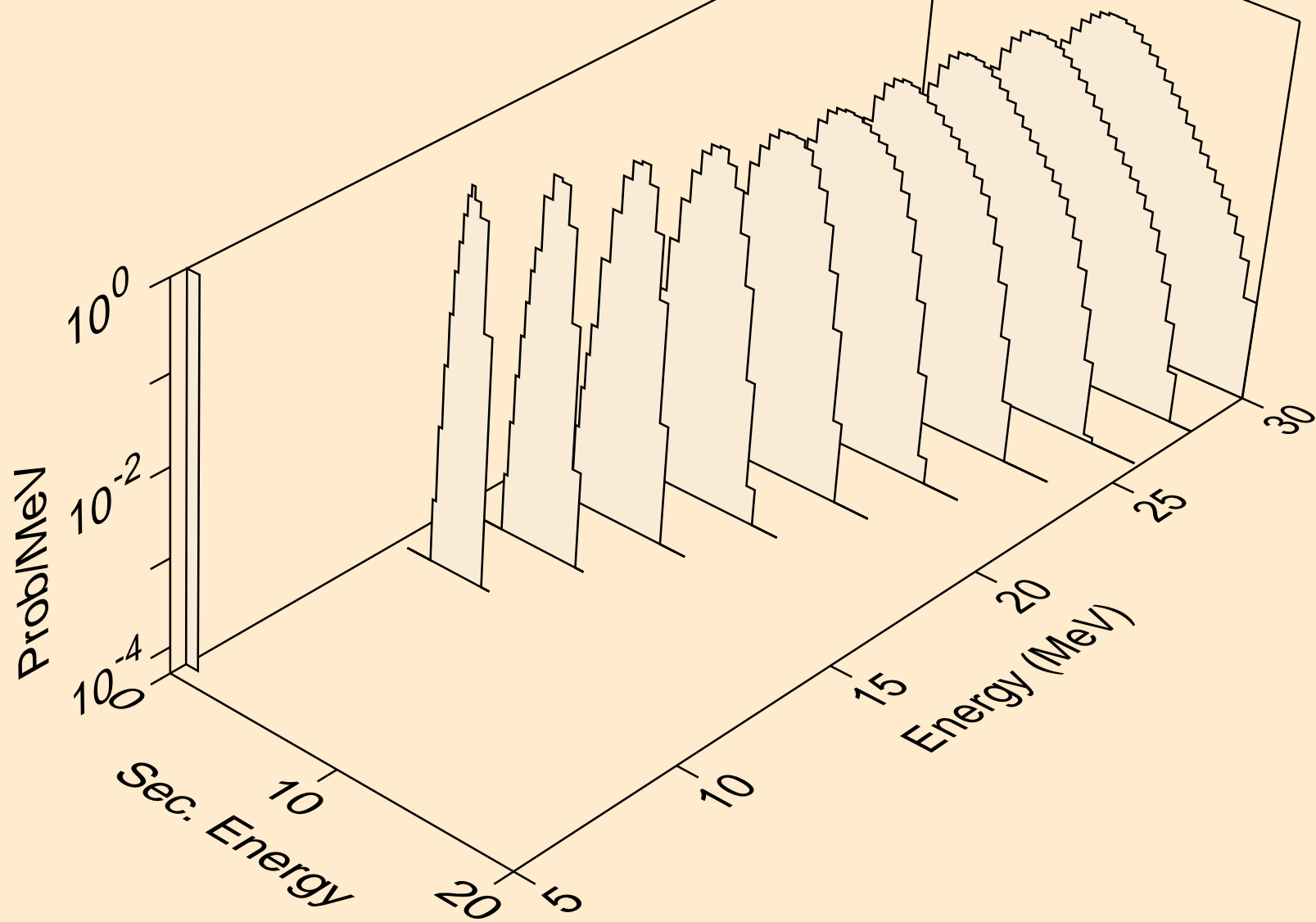


IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,t)

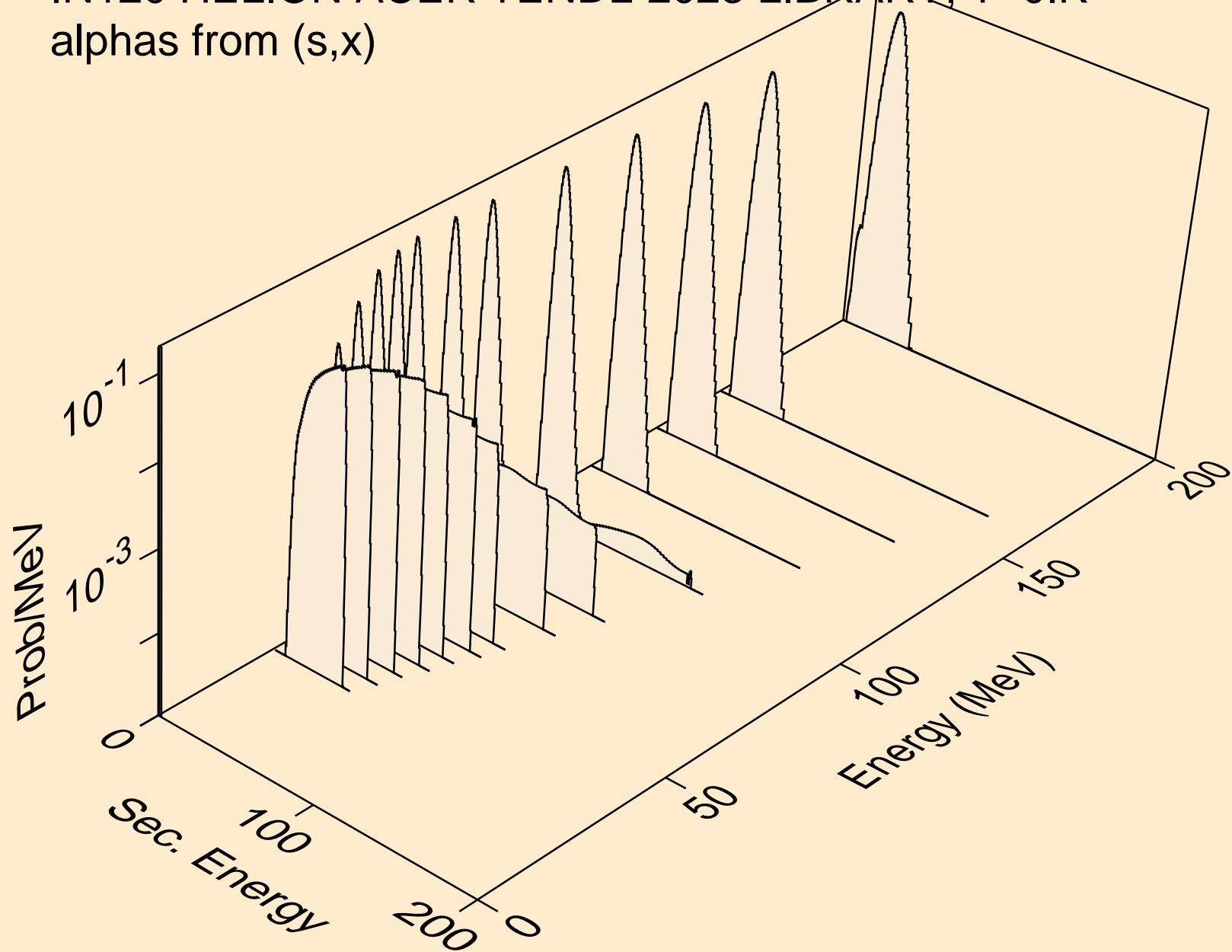




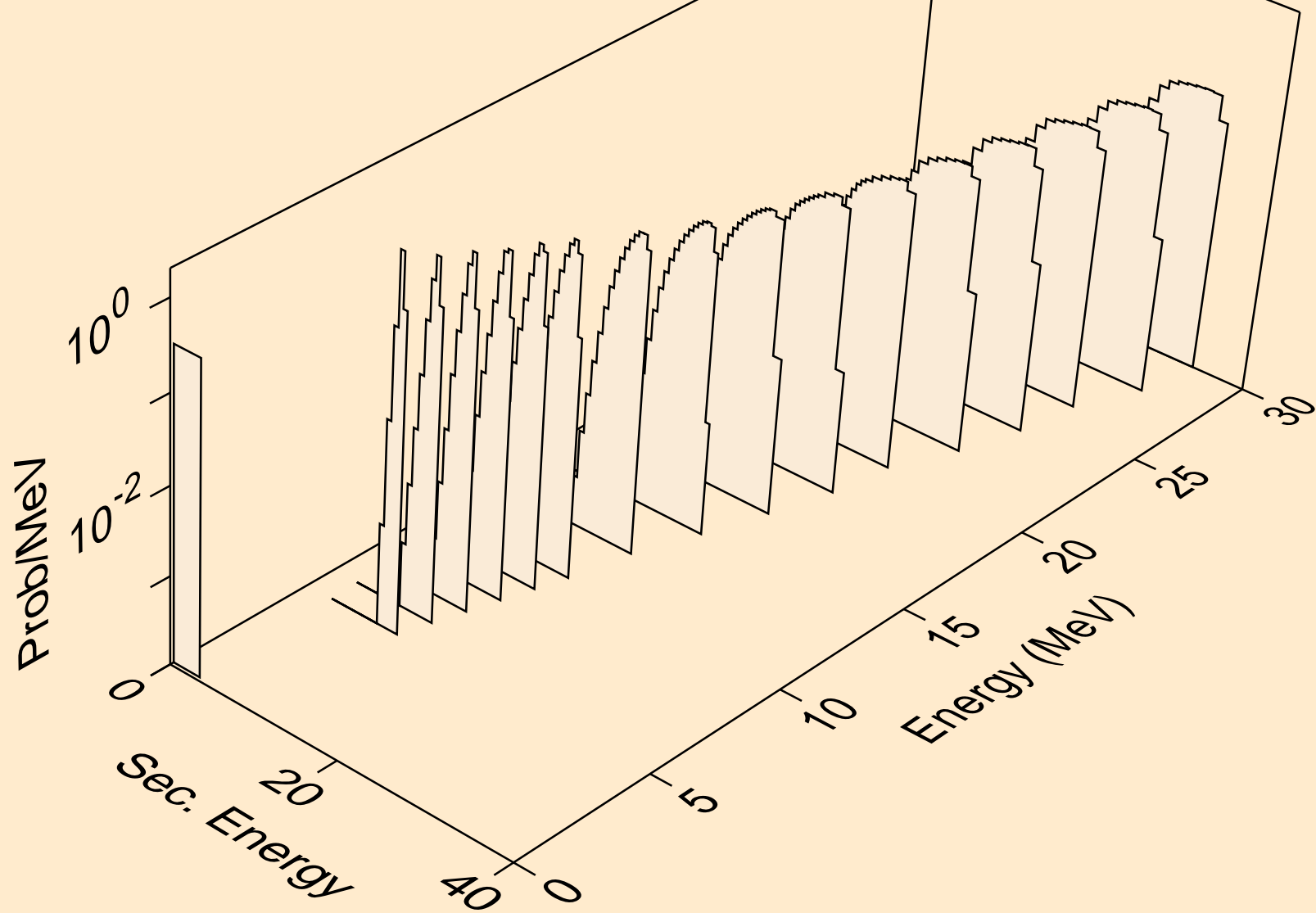
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,pt)



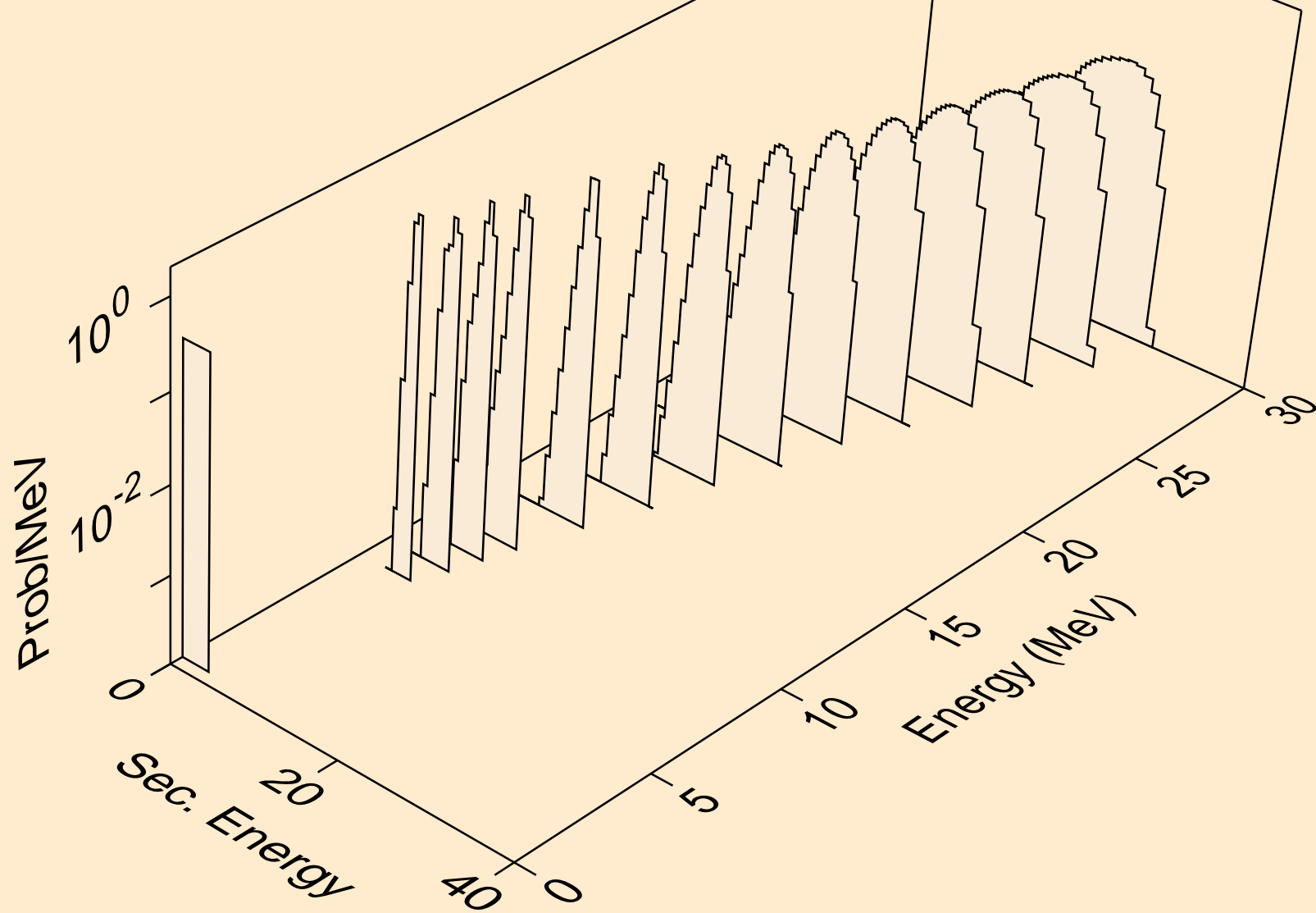
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,x)



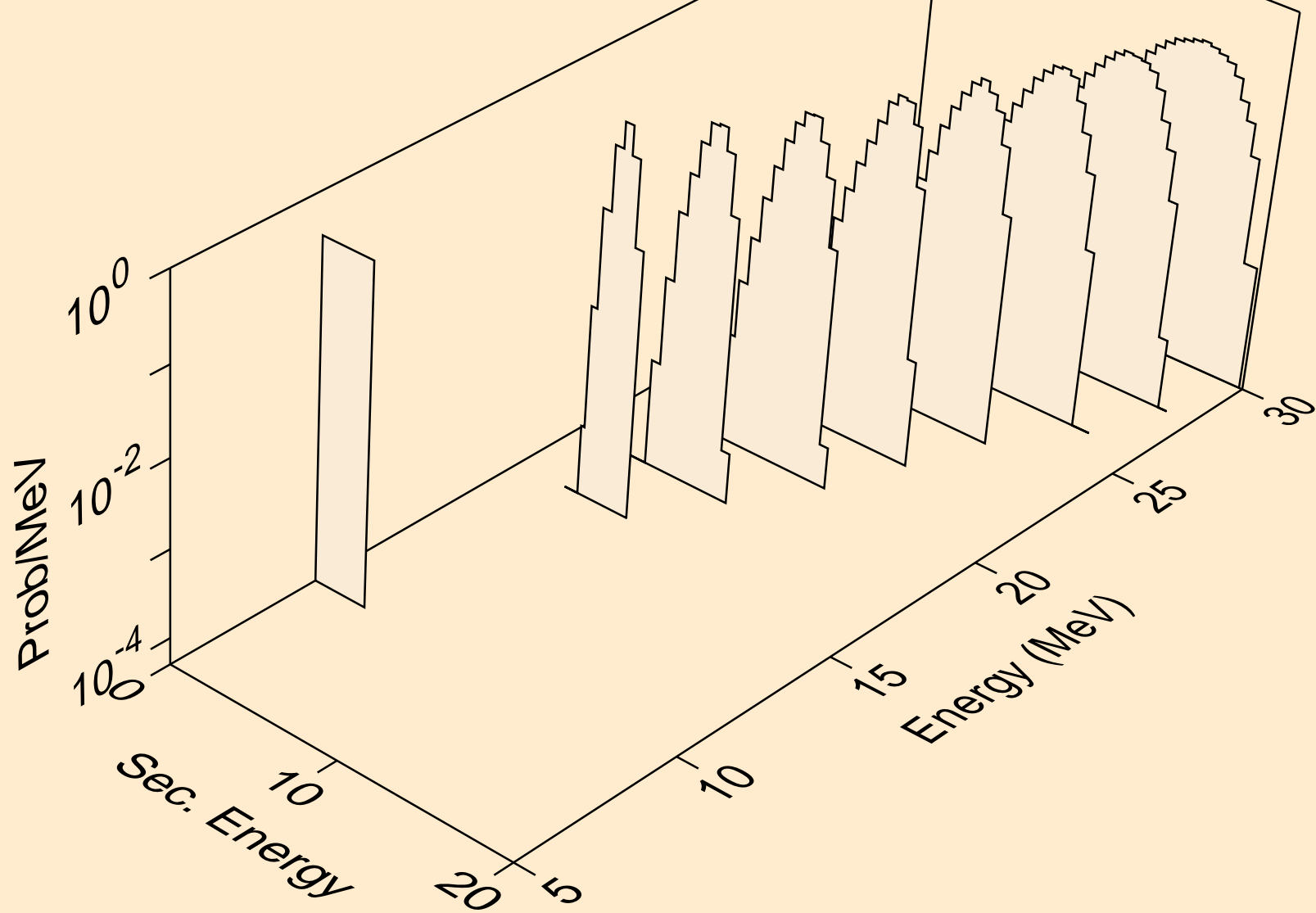
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)a



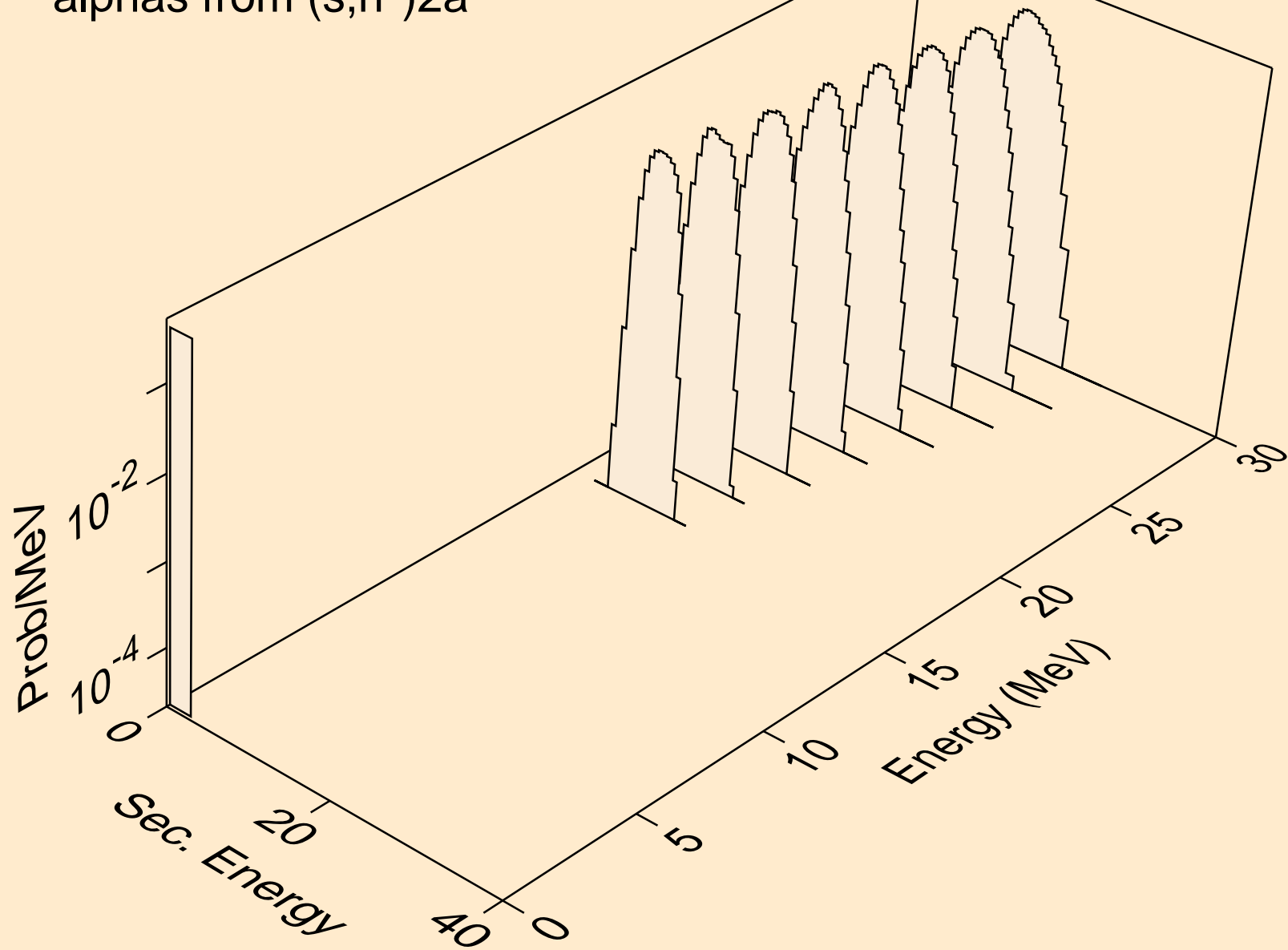
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2n)a



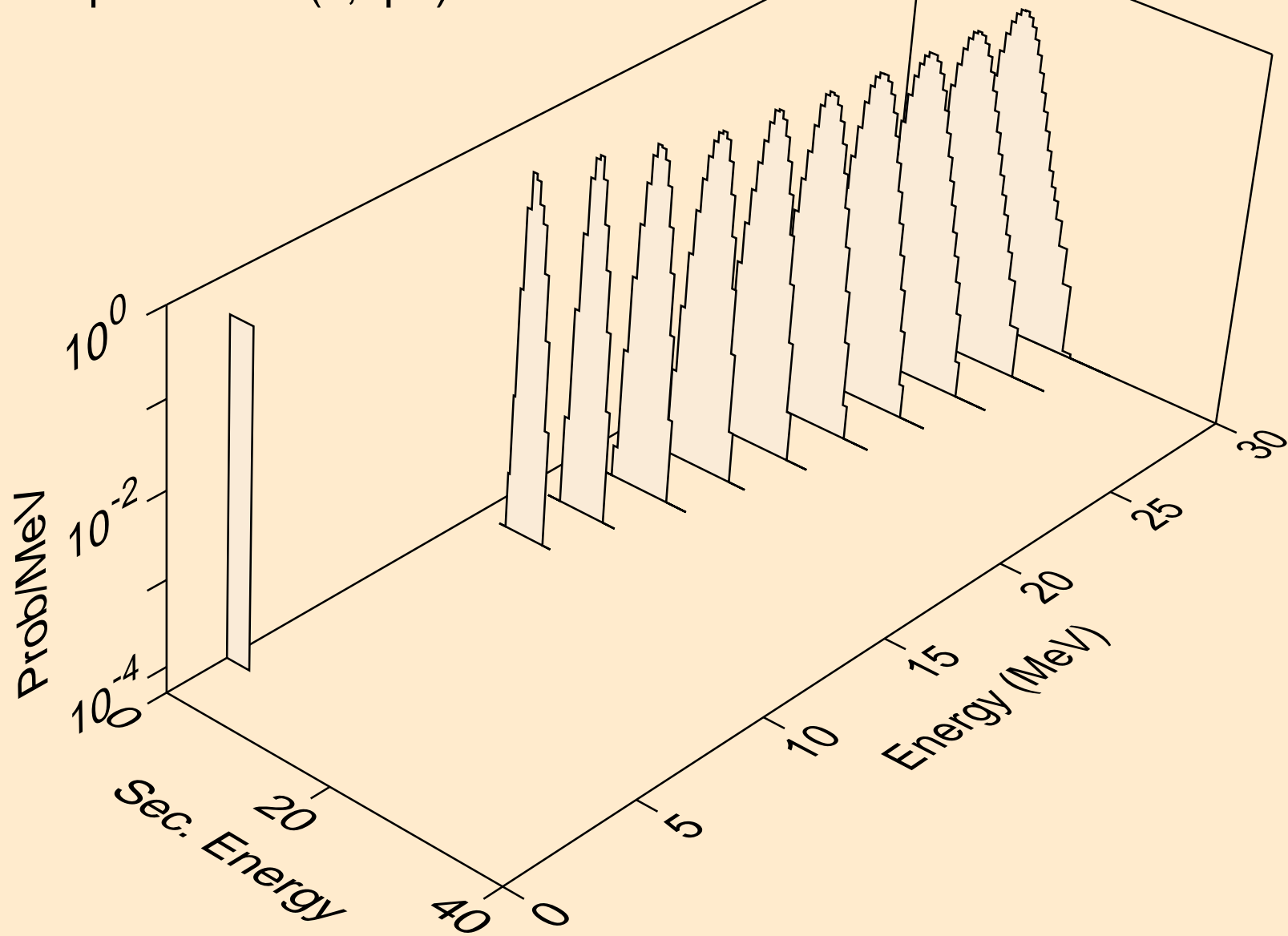
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,3n)a



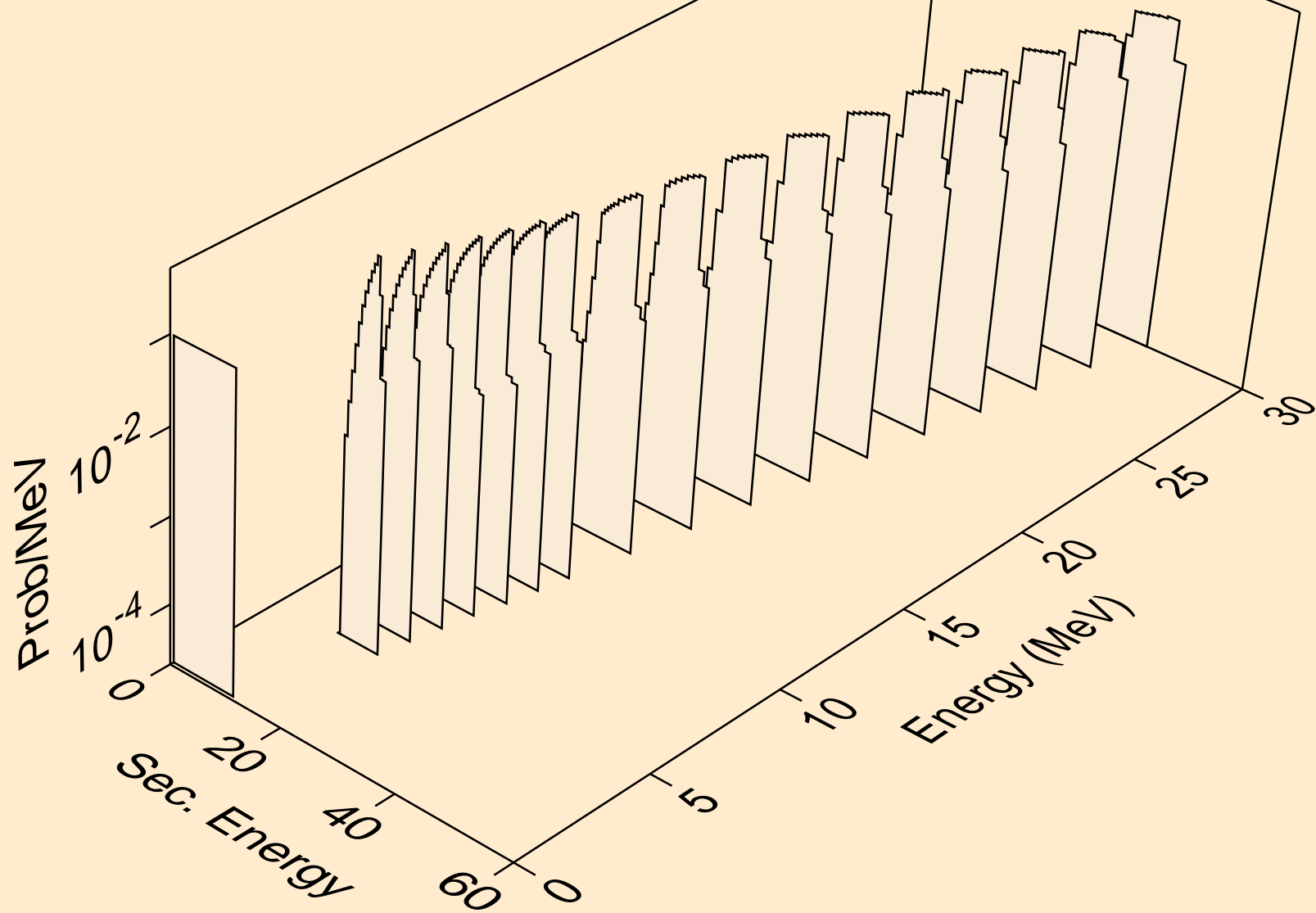
IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)2a



IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,npa)

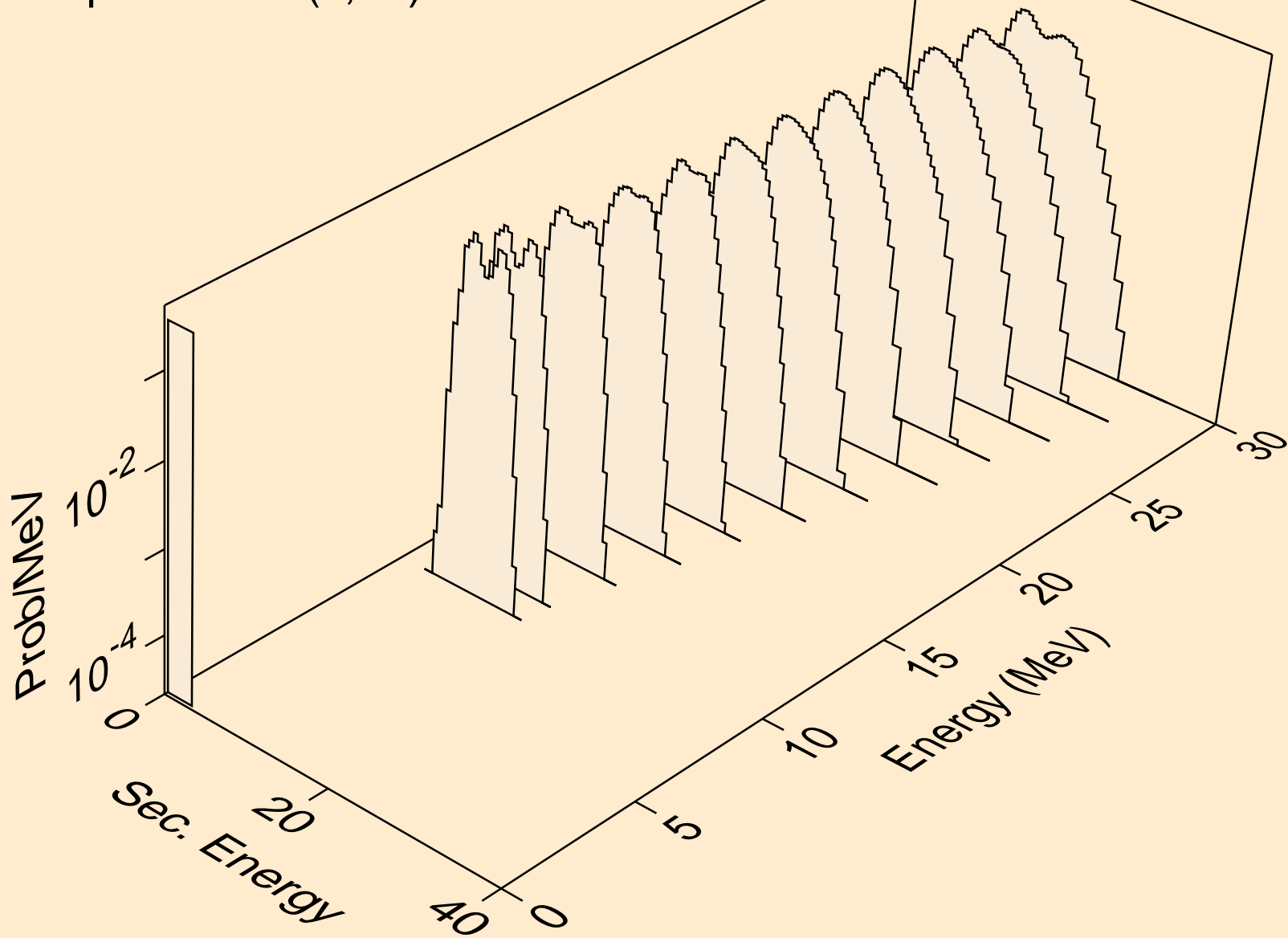


IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,a)

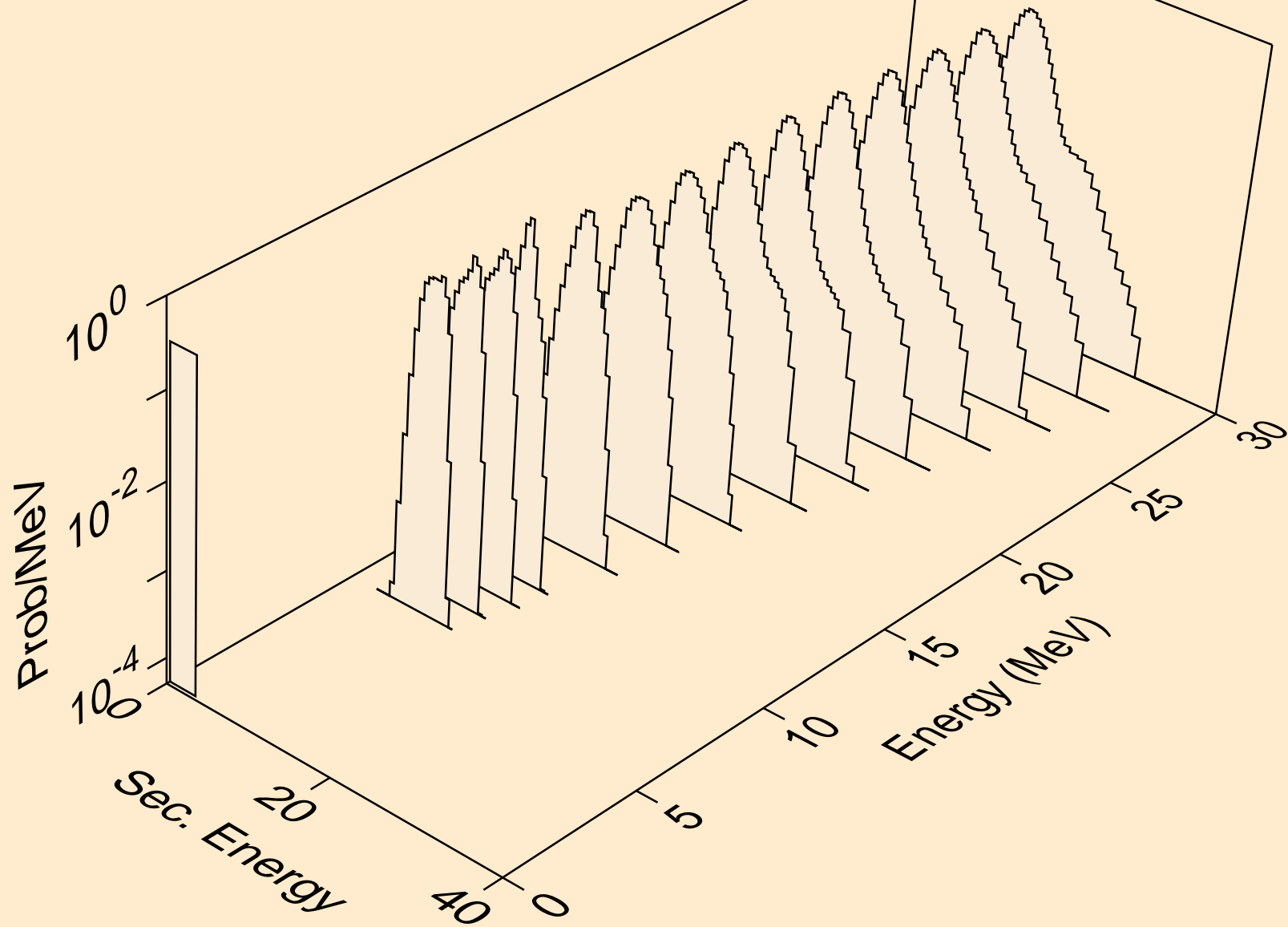




IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)



IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



IN120 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

