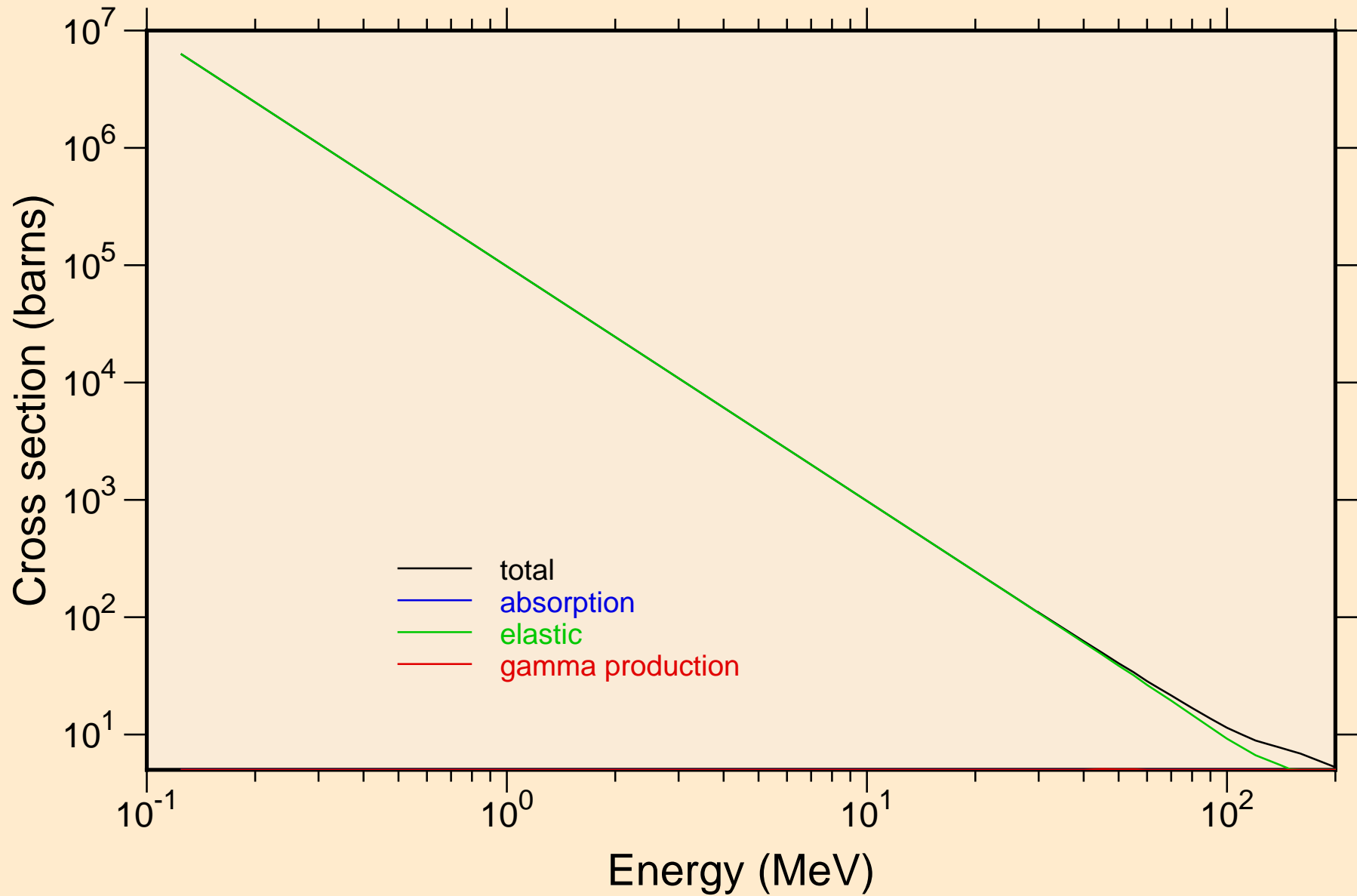


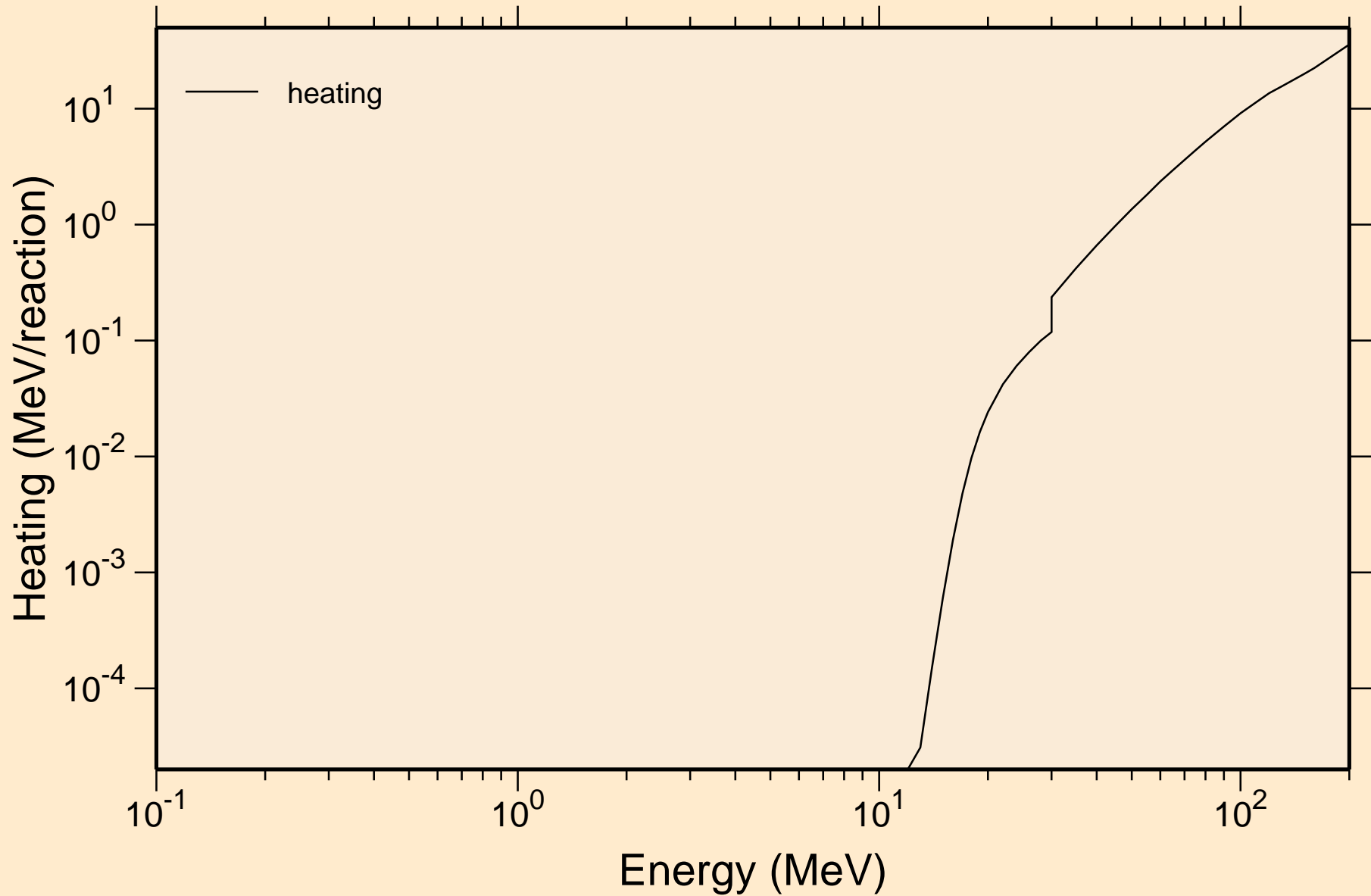
# SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



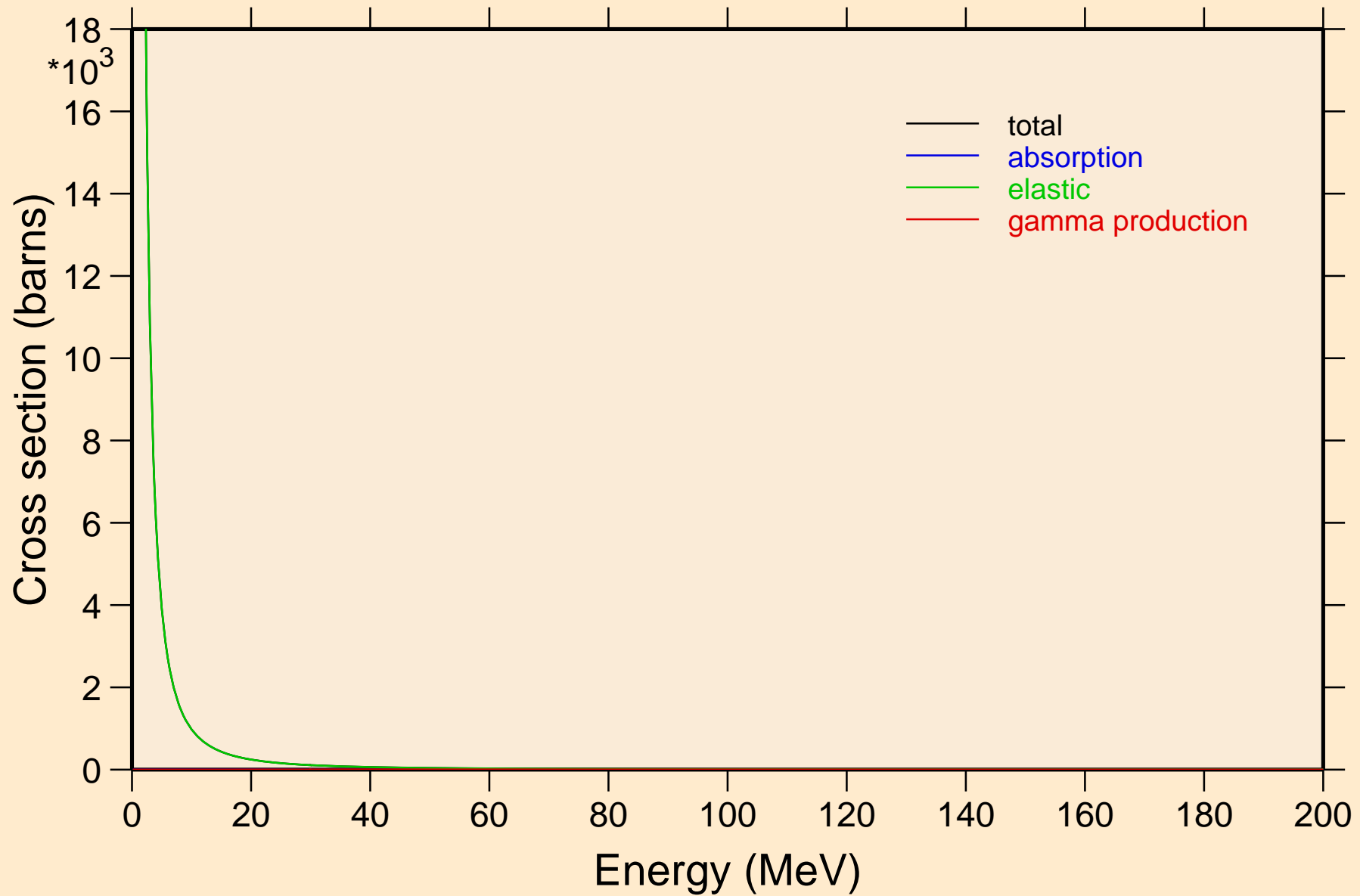
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K

Heating



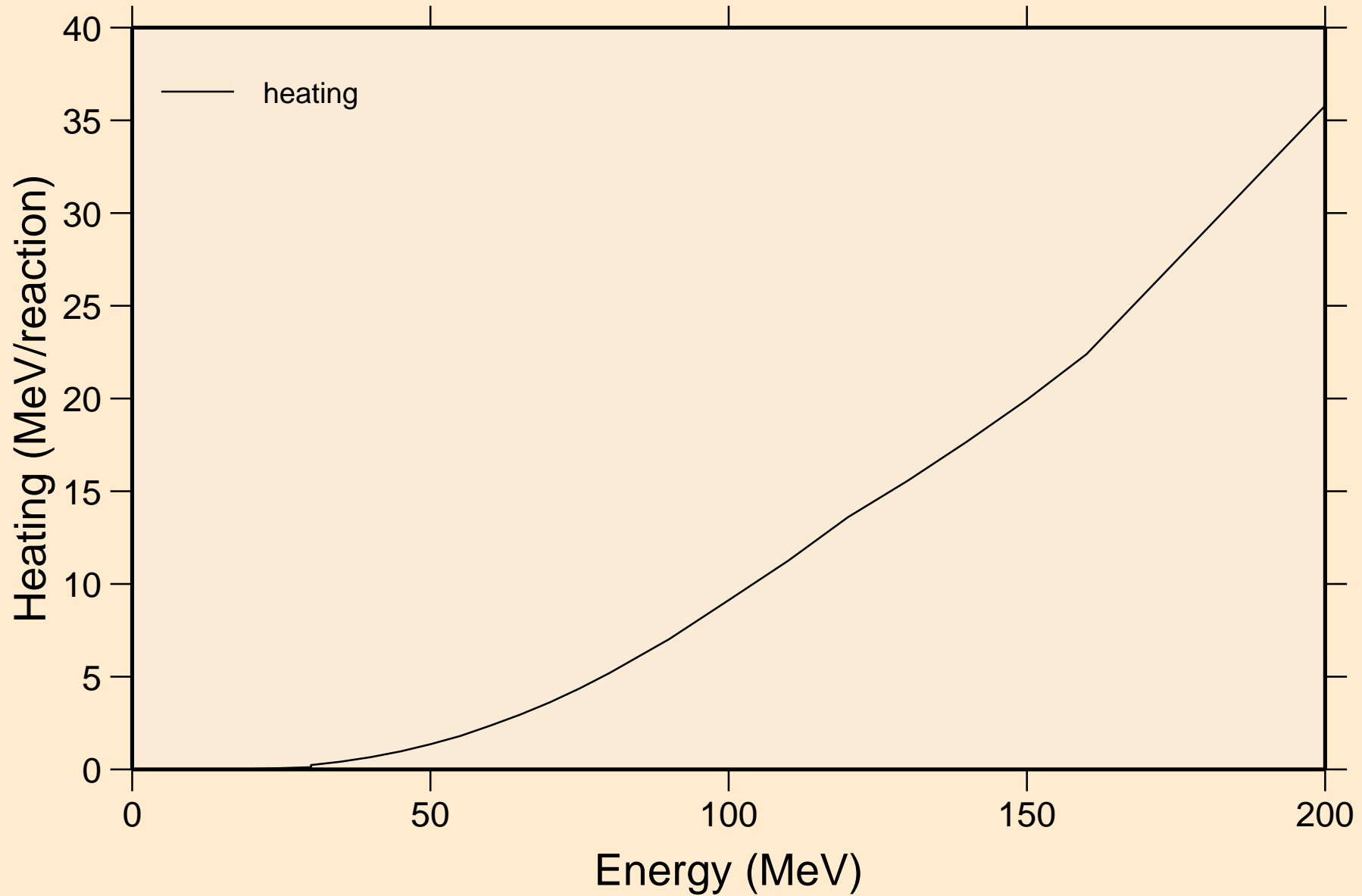
# SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections

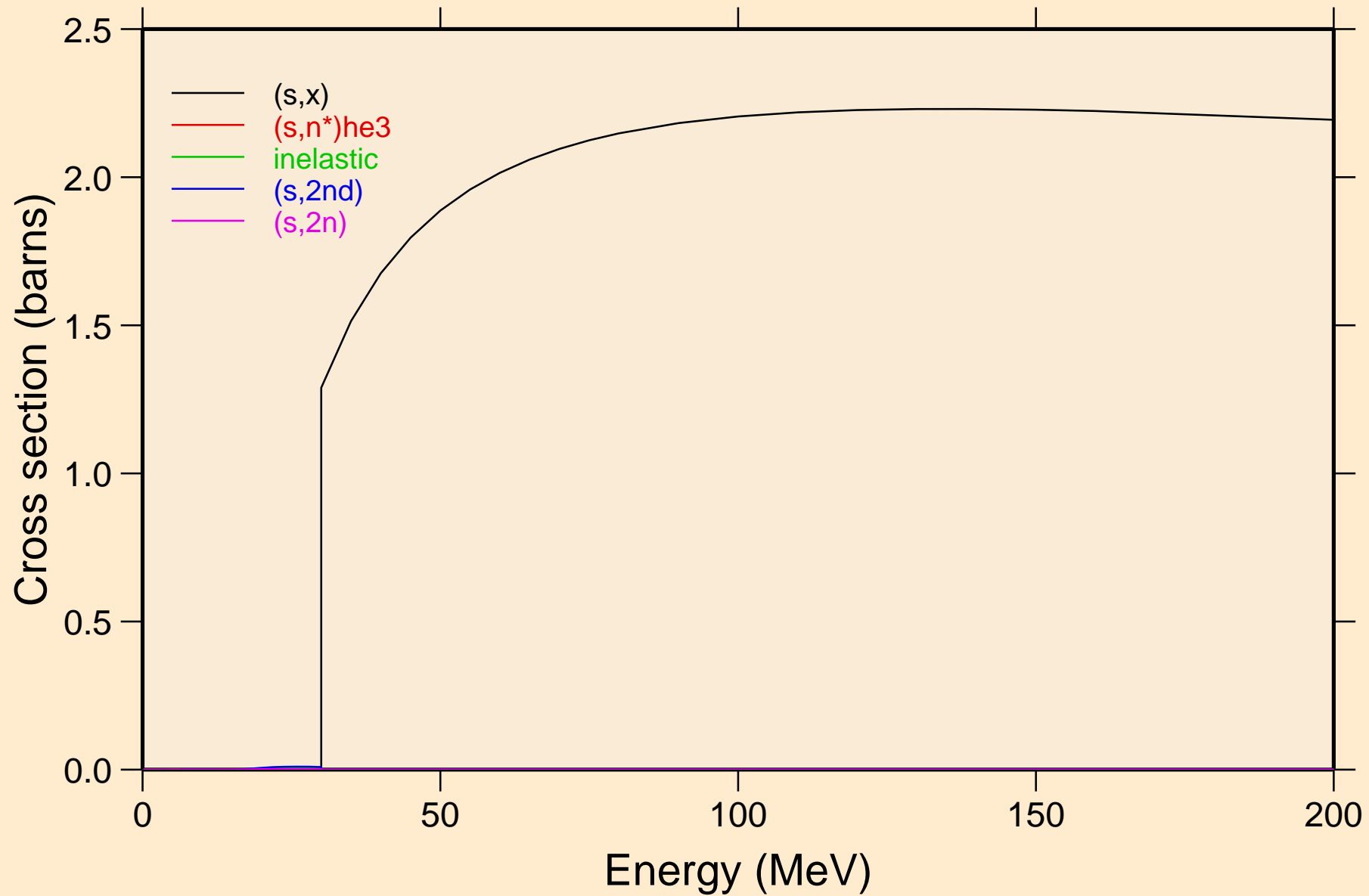


# SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K

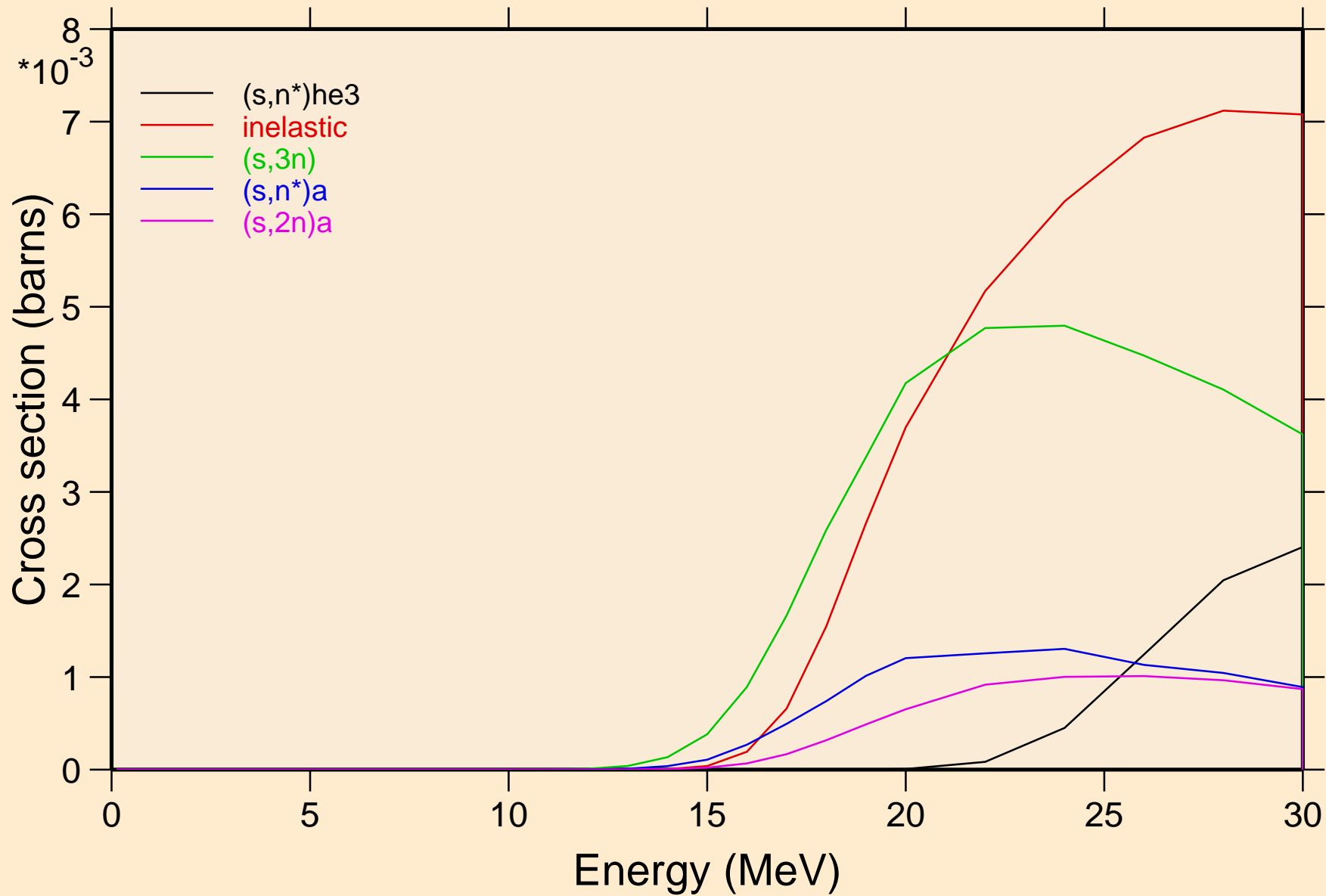
## Heating



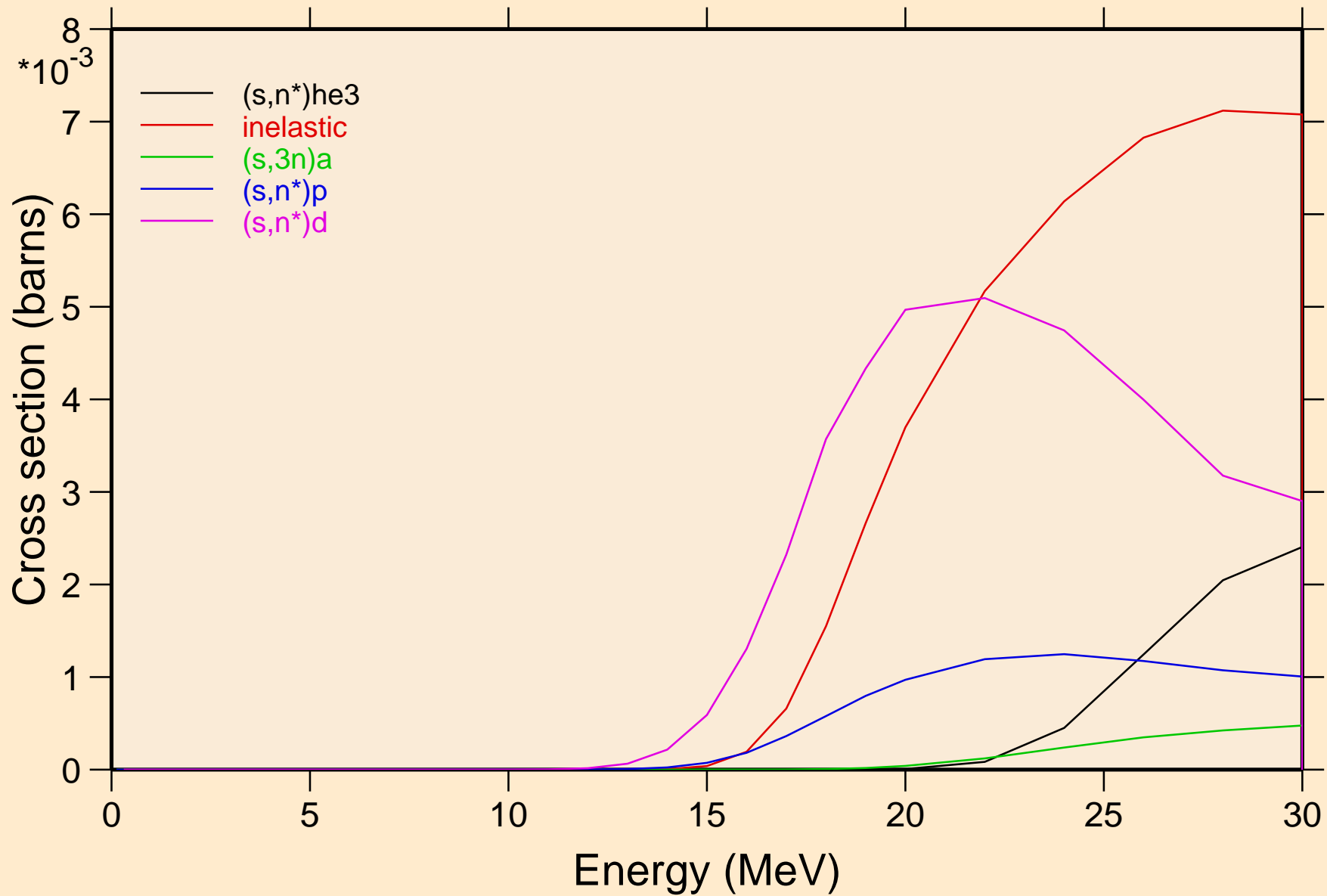
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



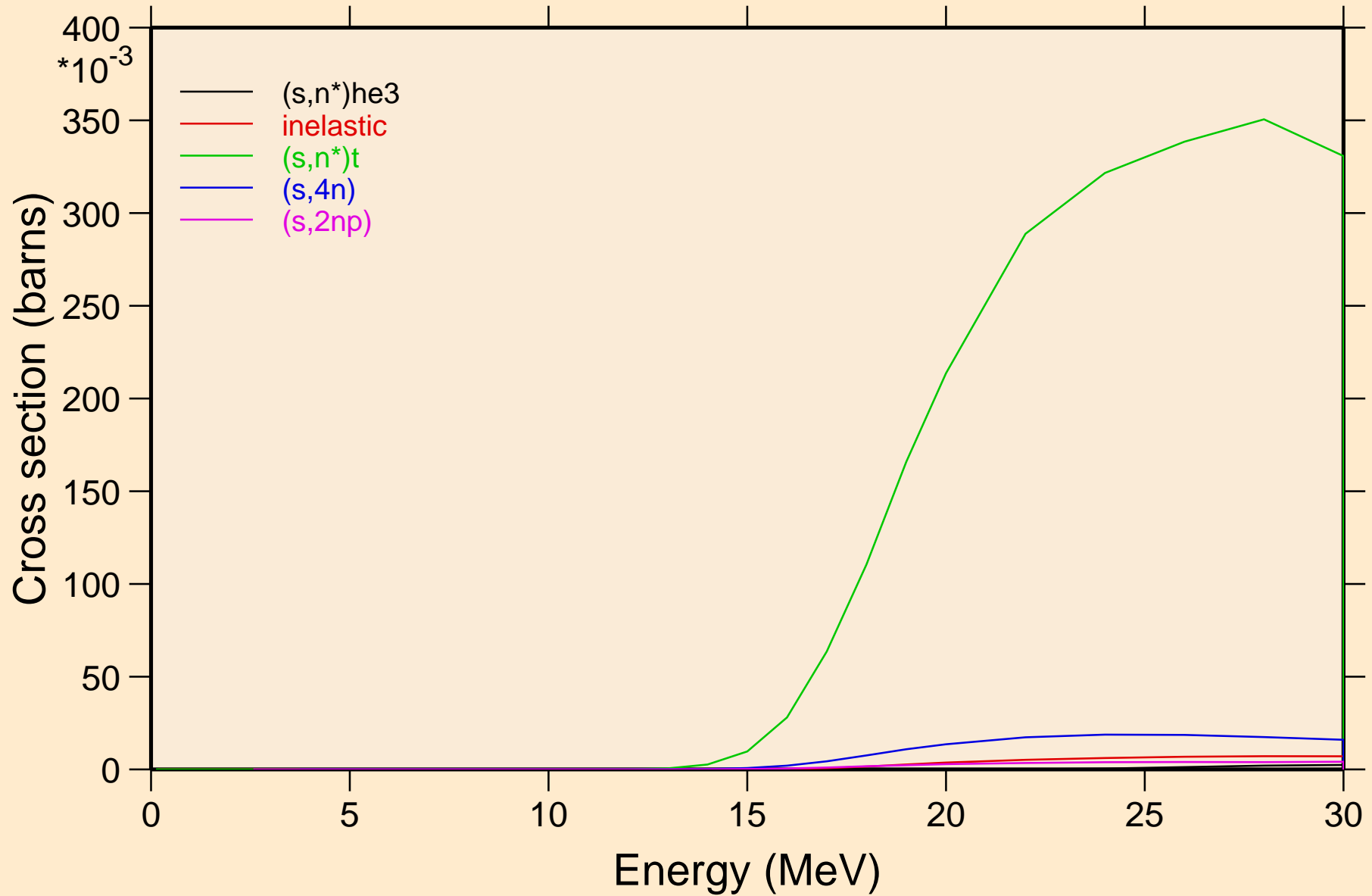
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

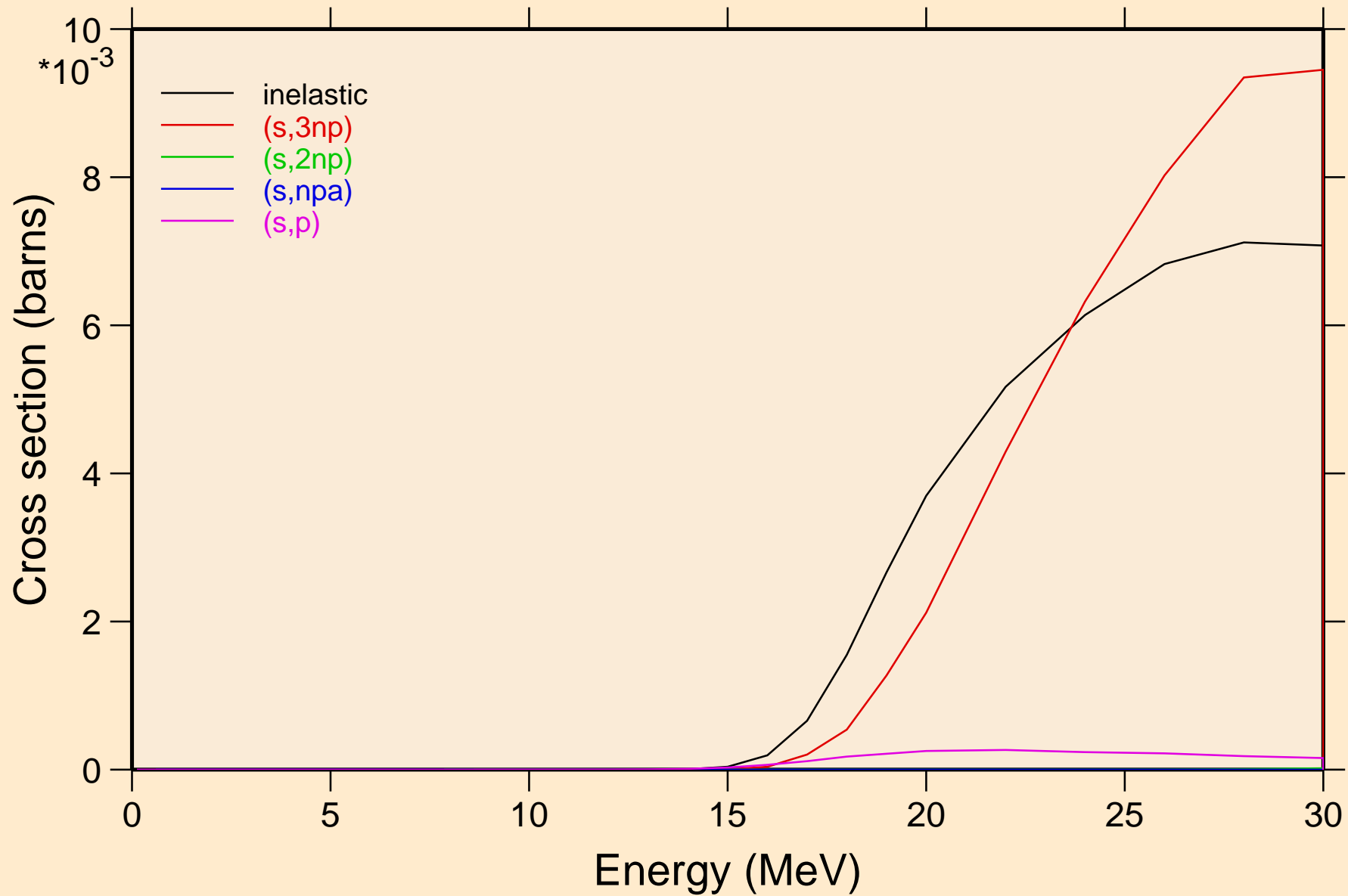


SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

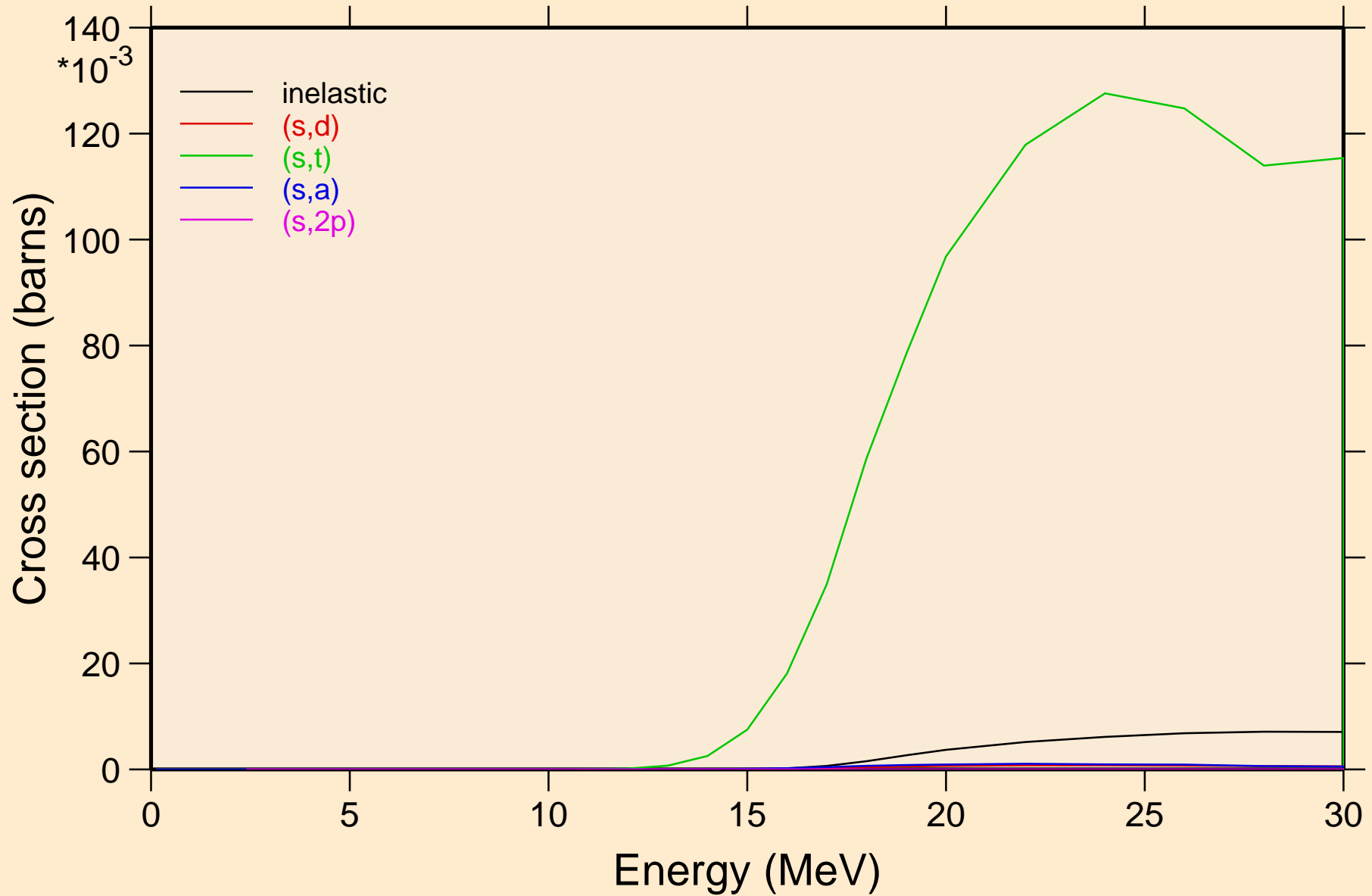




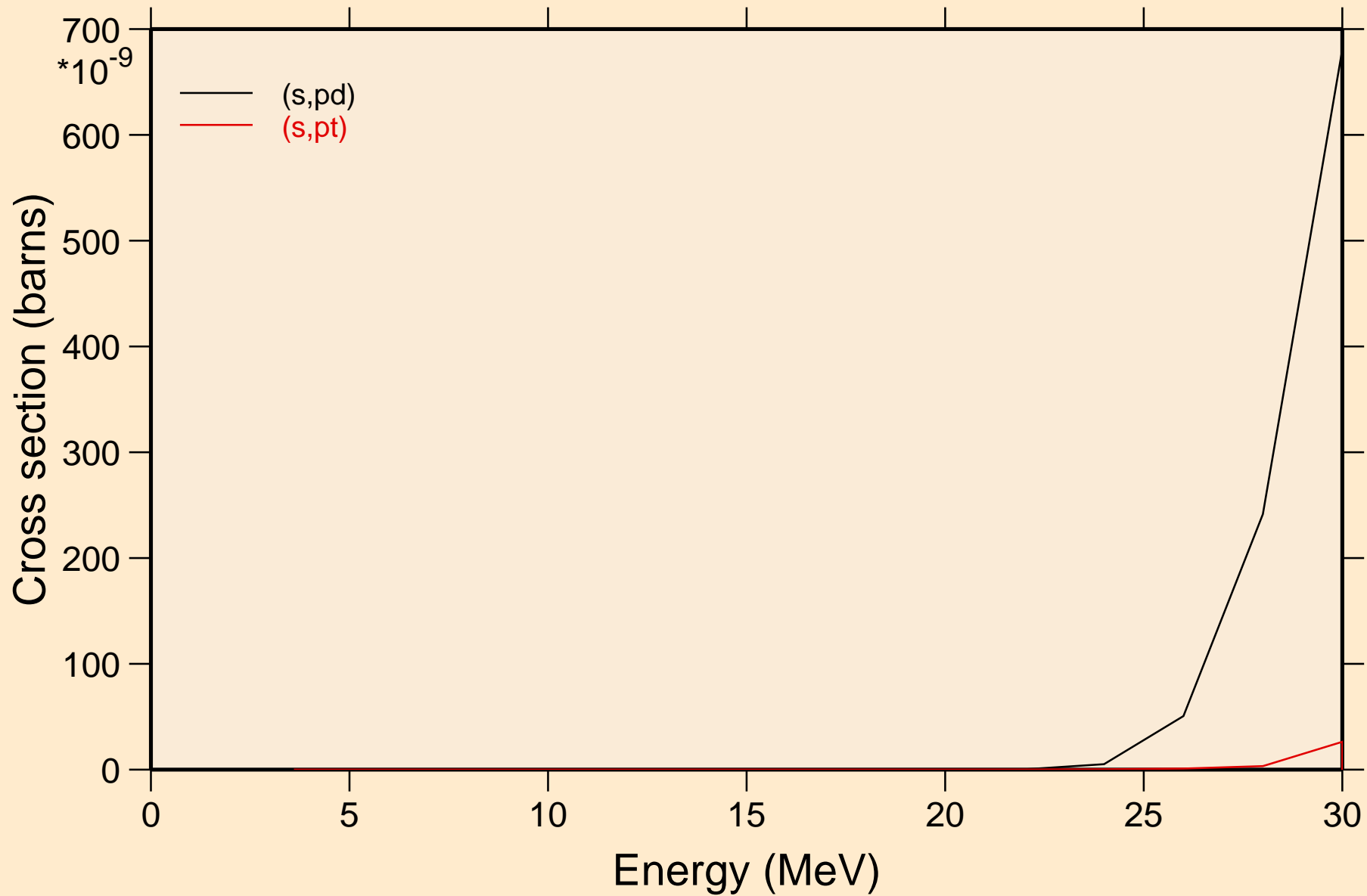
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



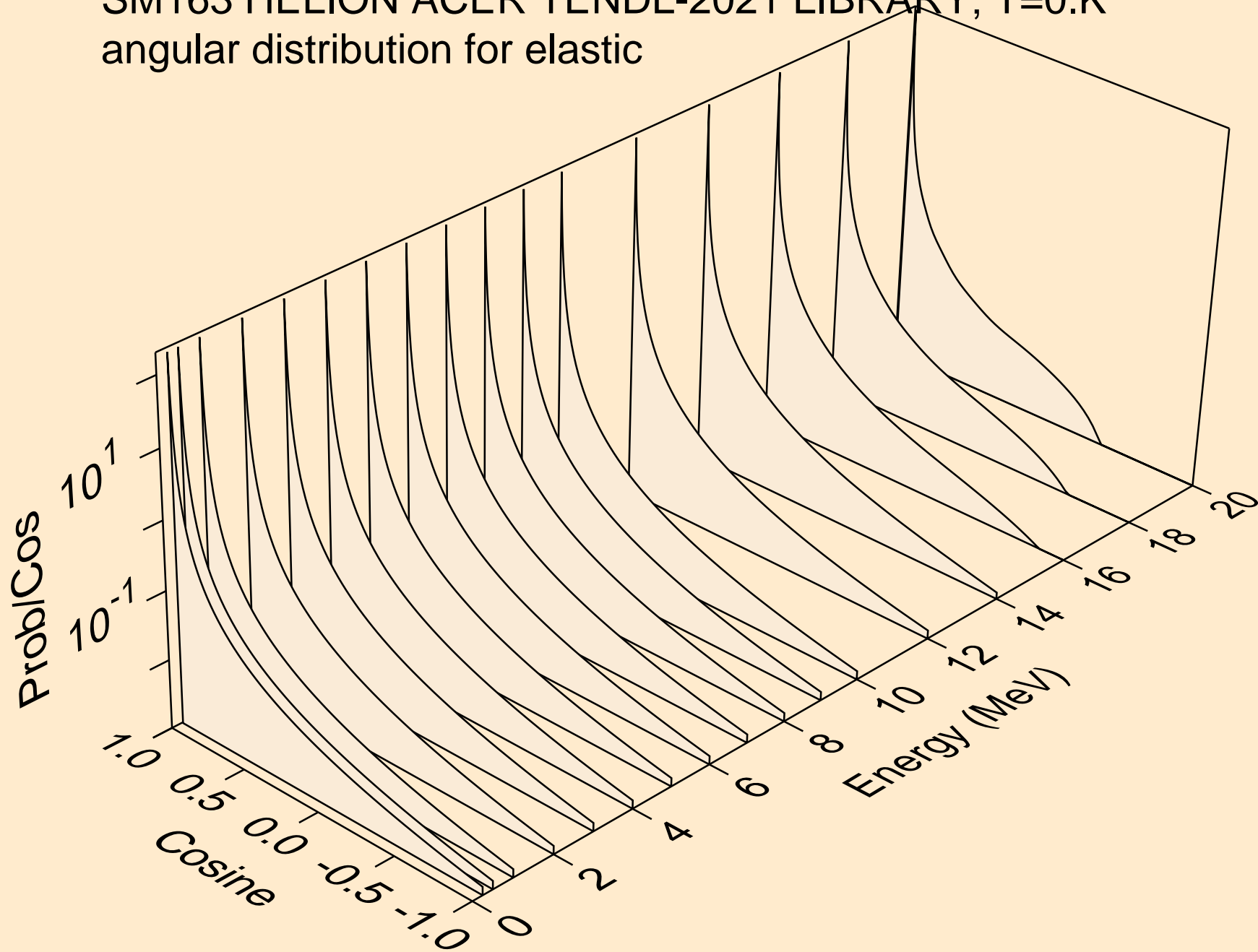
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



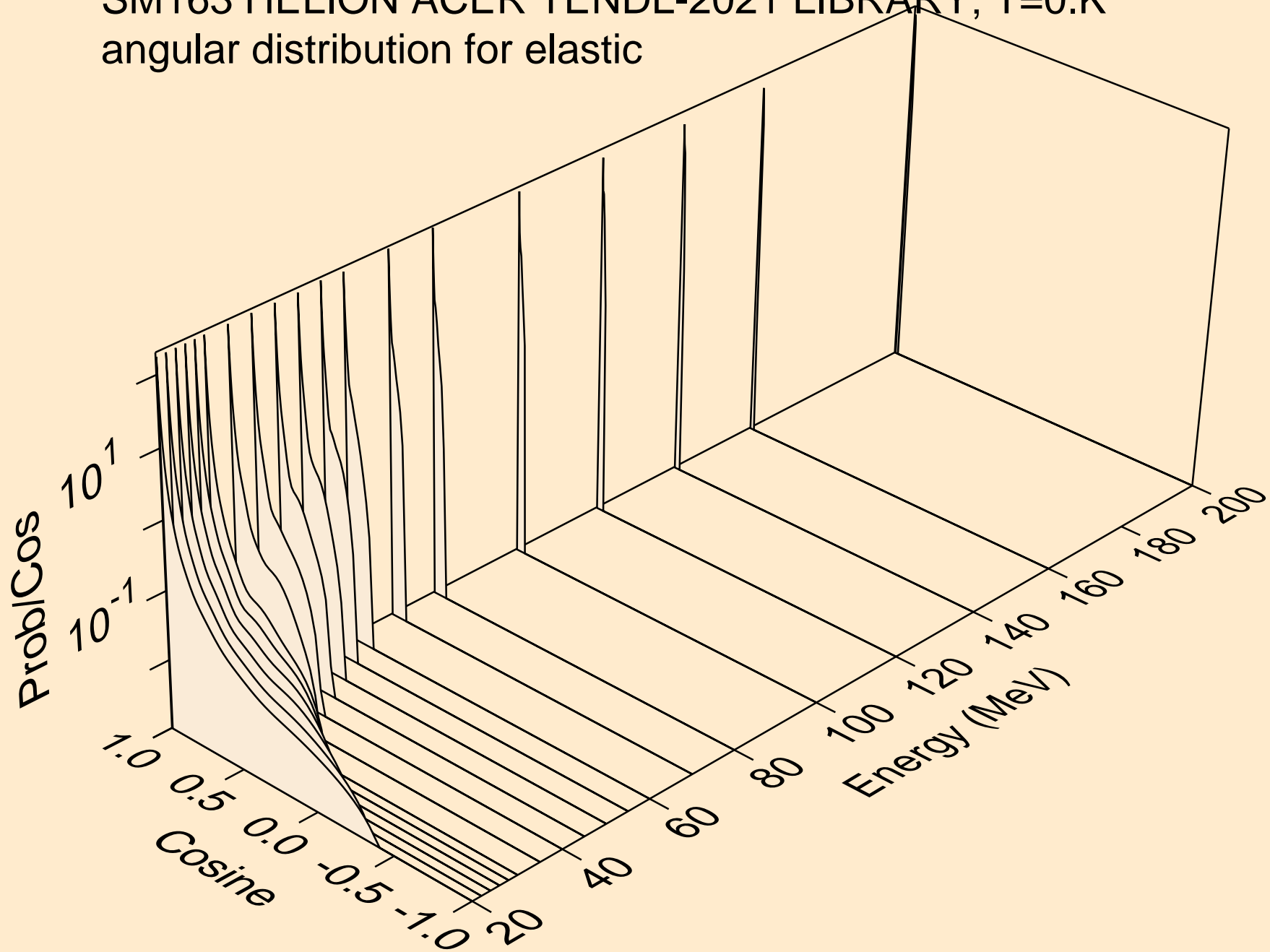
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



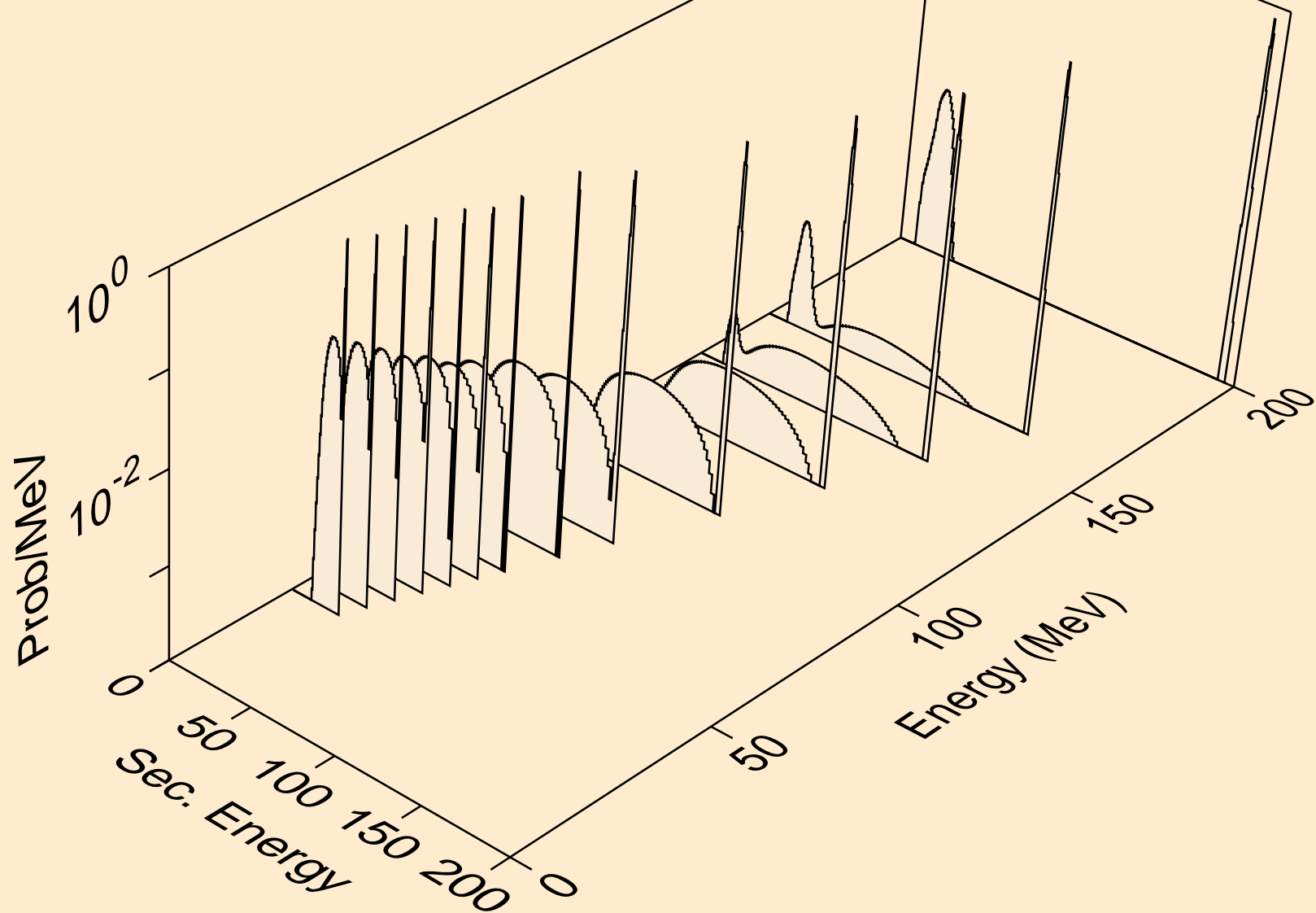
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



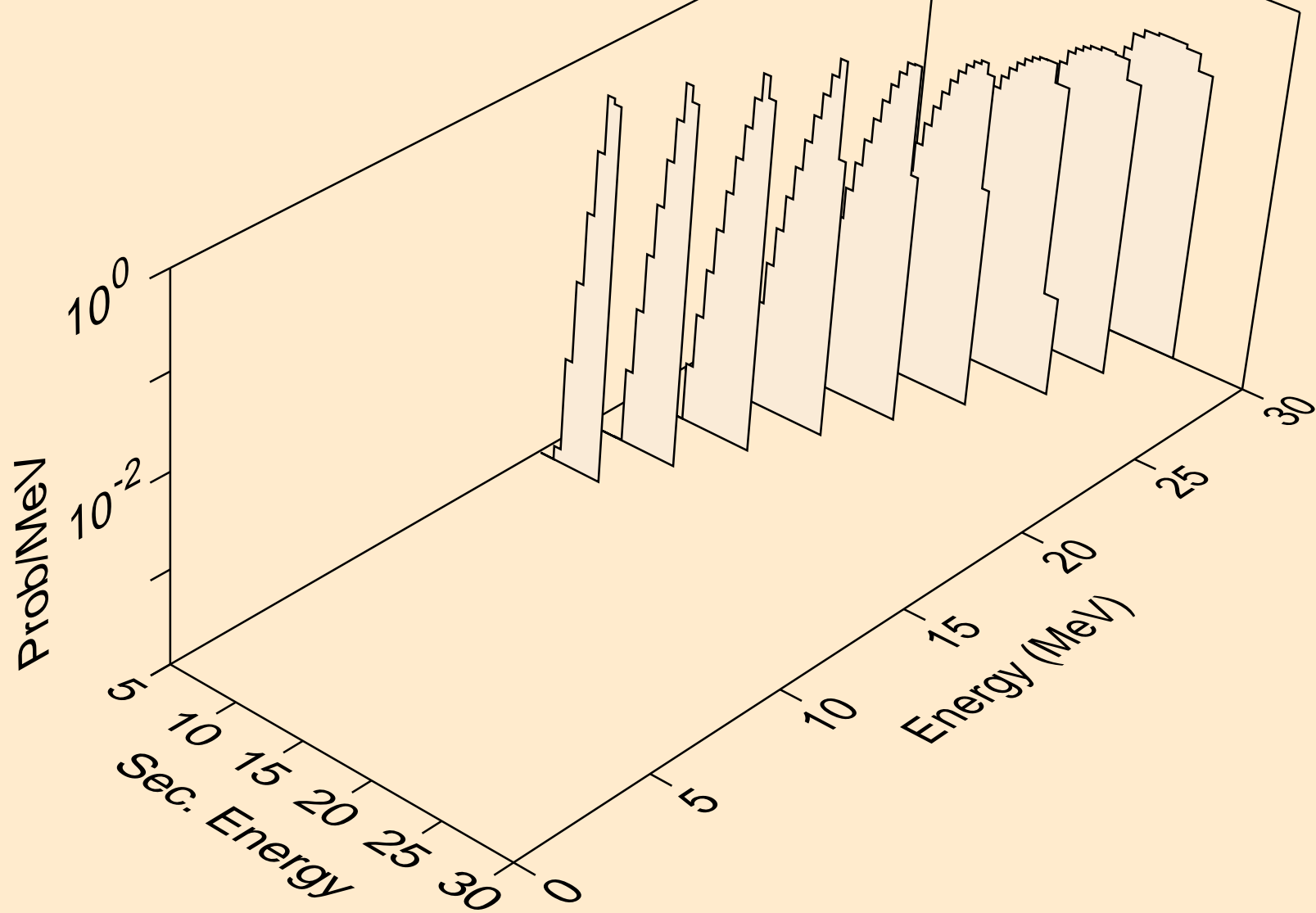
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



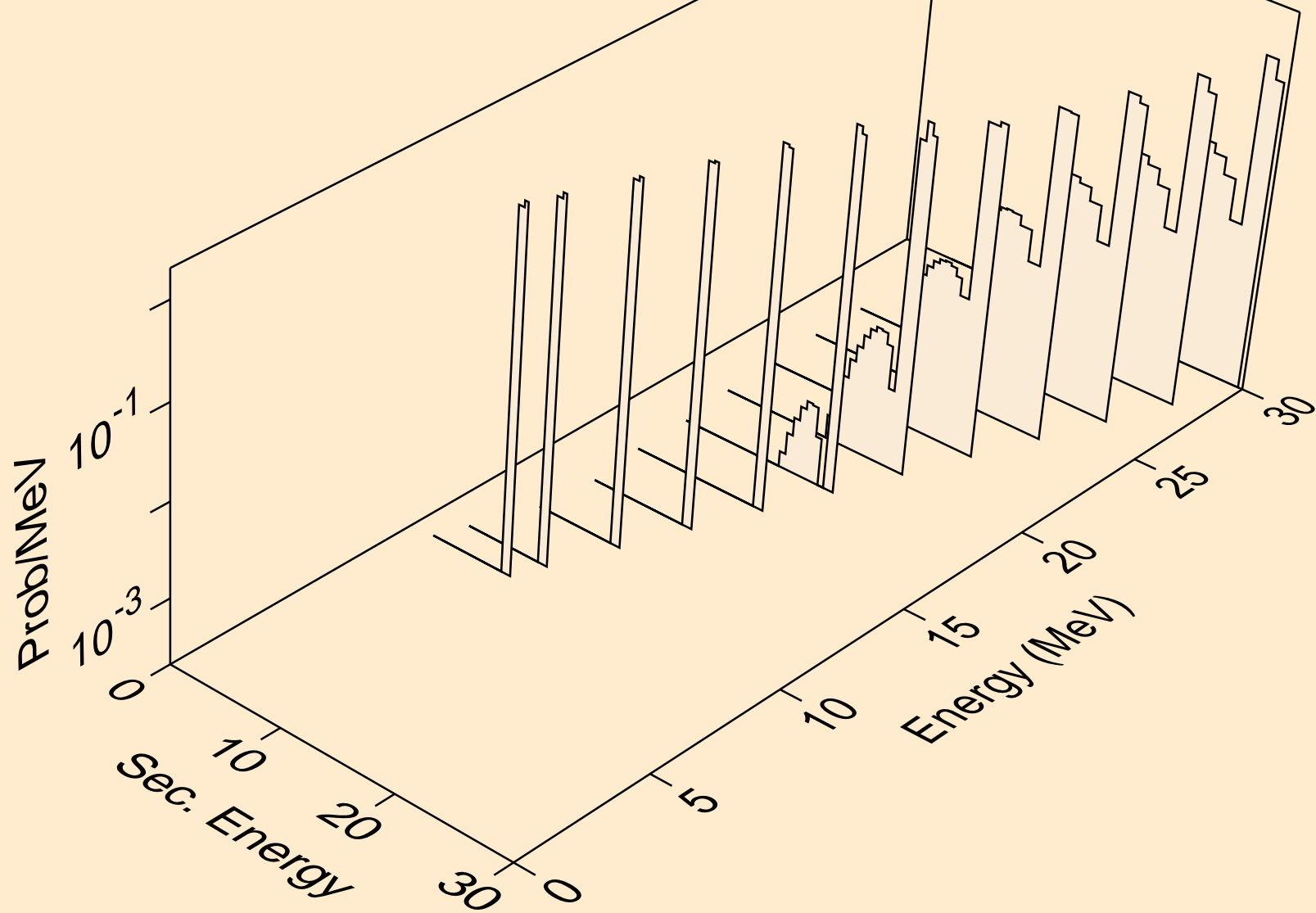
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,x)



SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

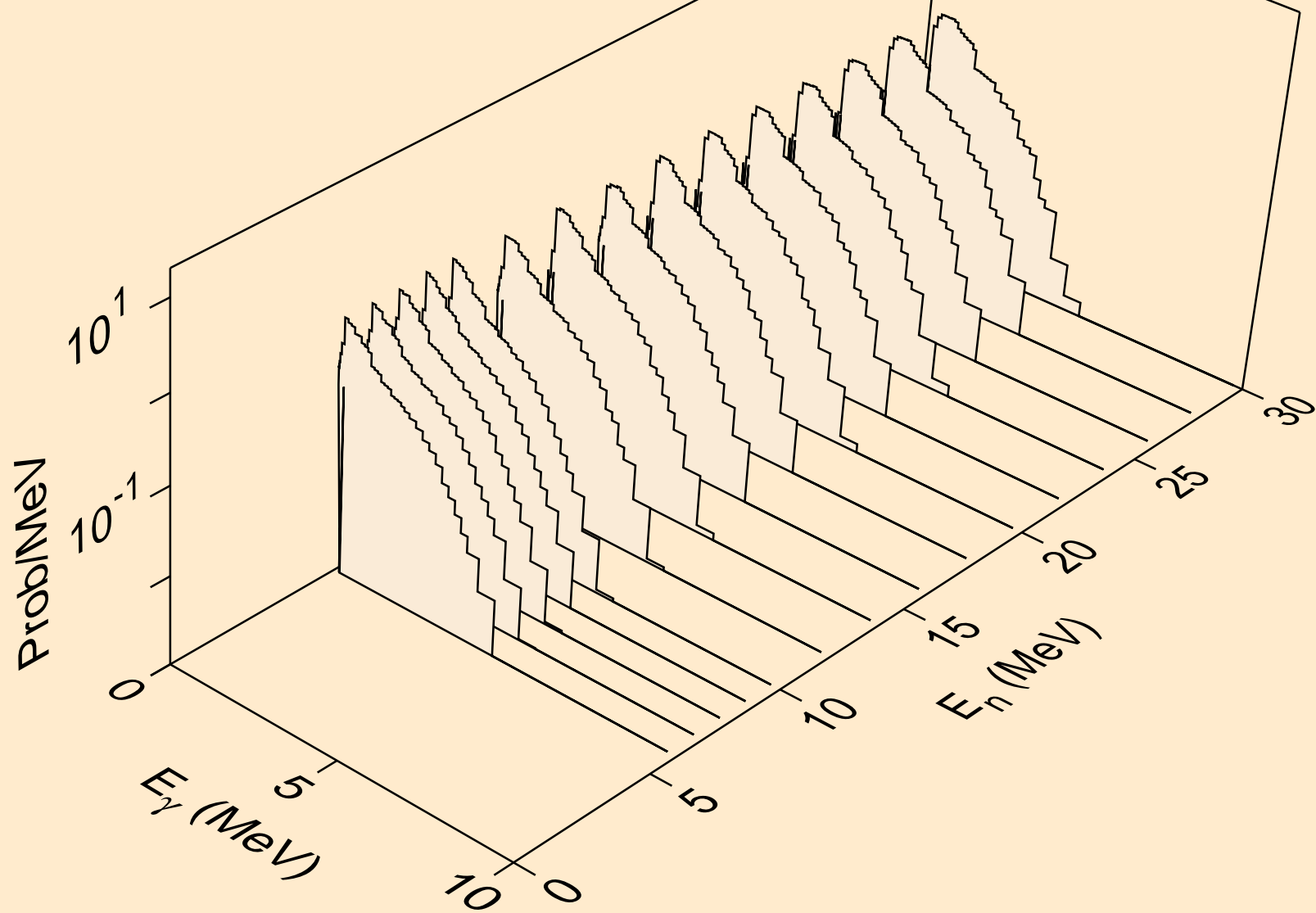


SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for inelastic

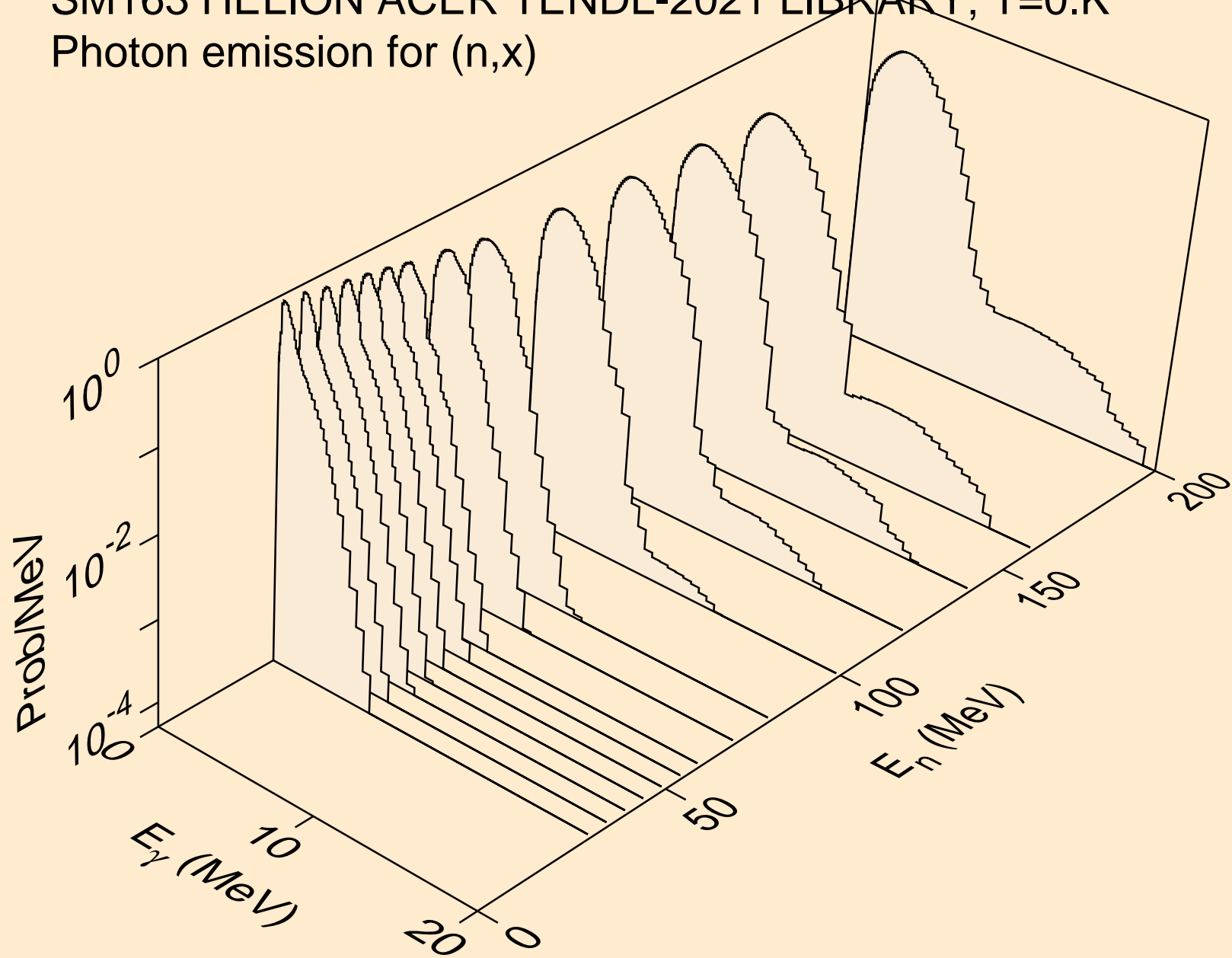




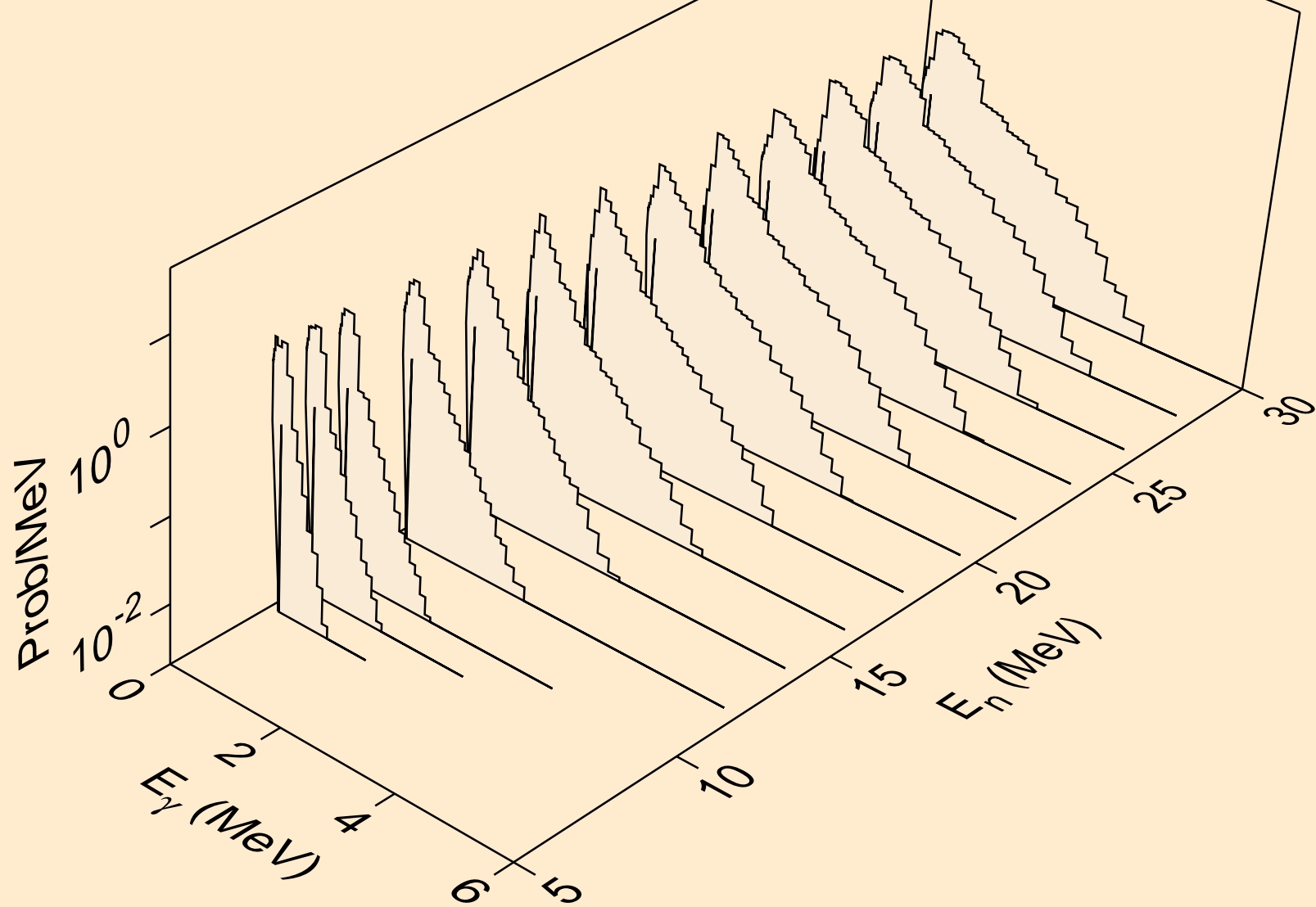
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



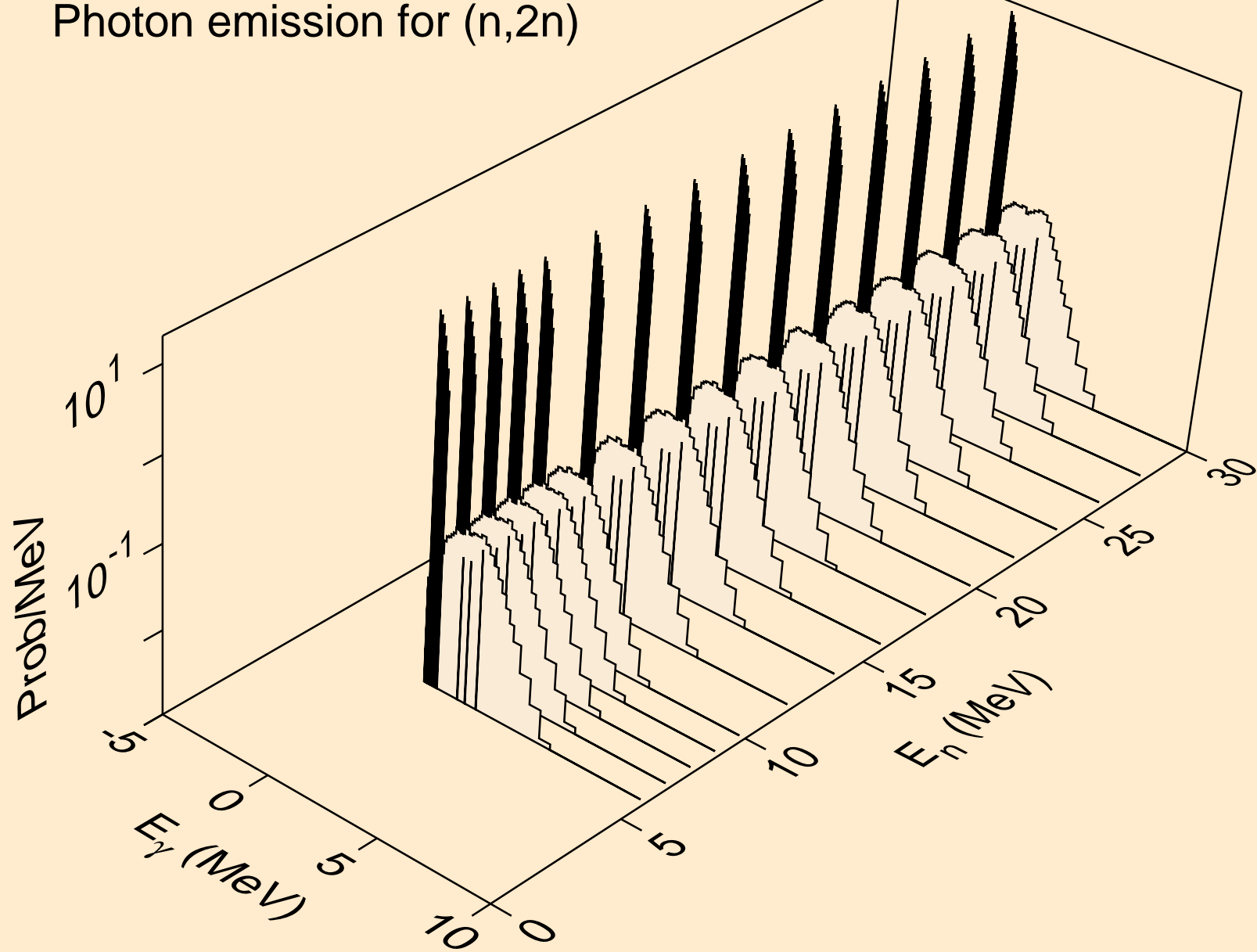
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



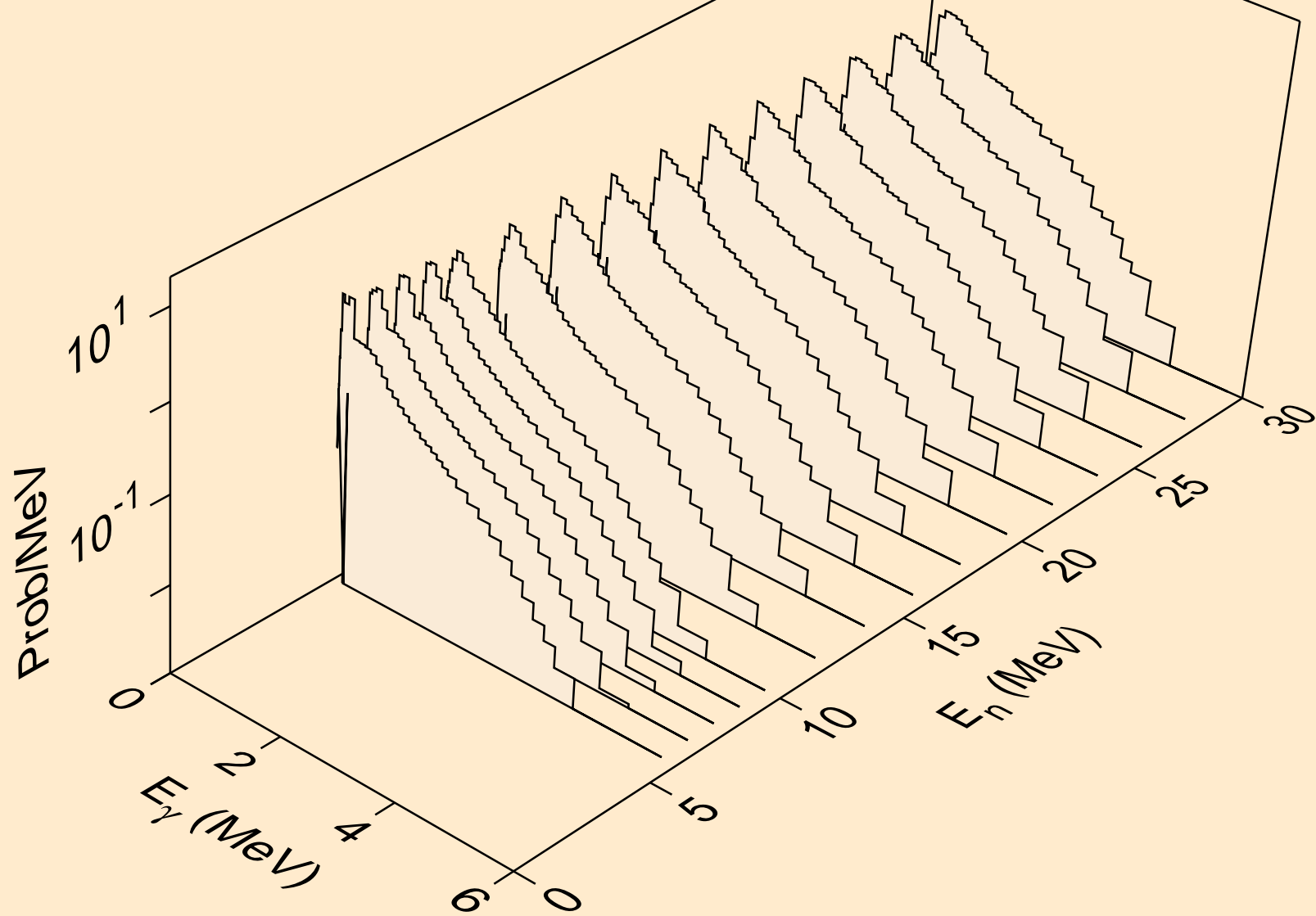
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)



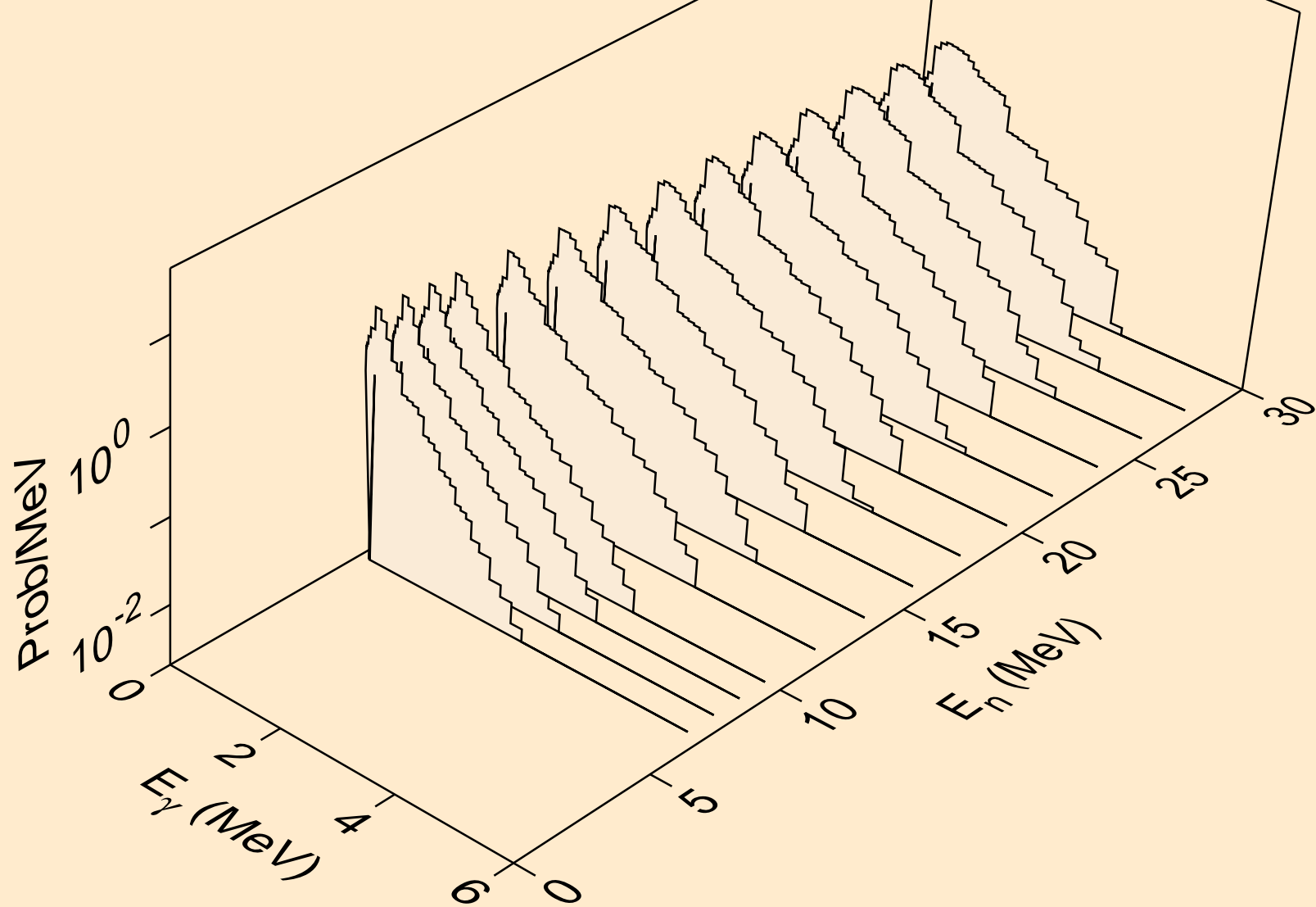
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)



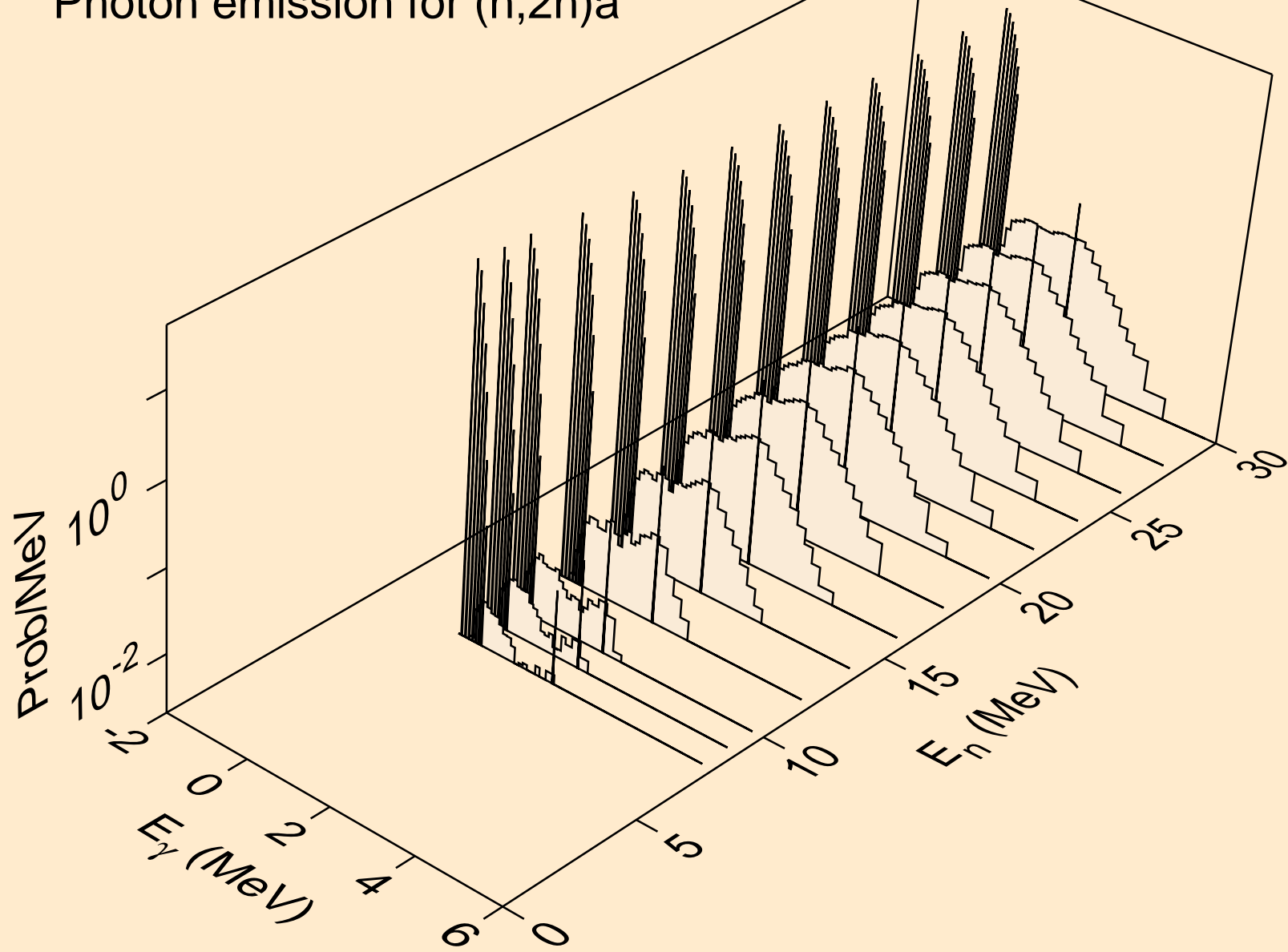
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)



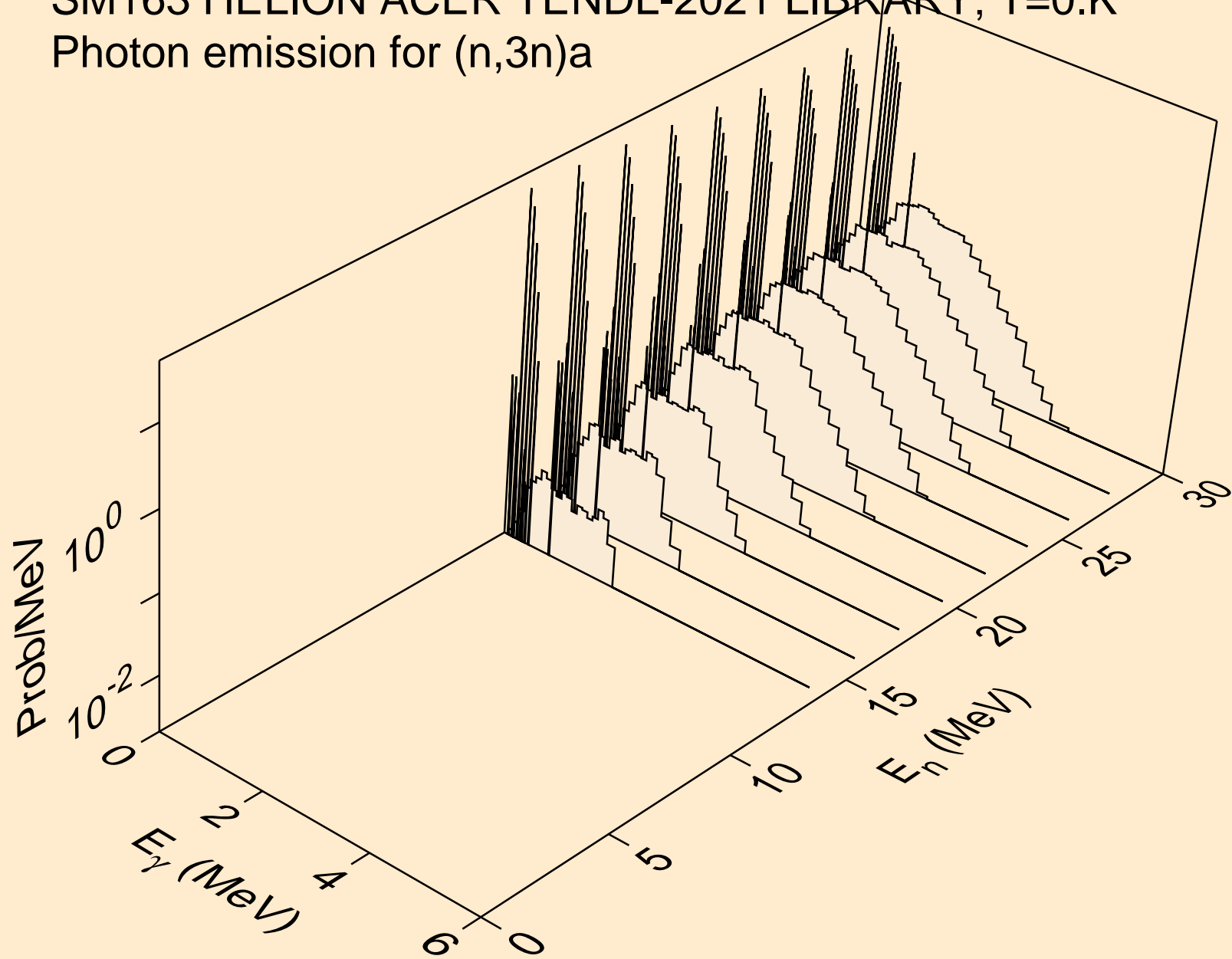
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)a

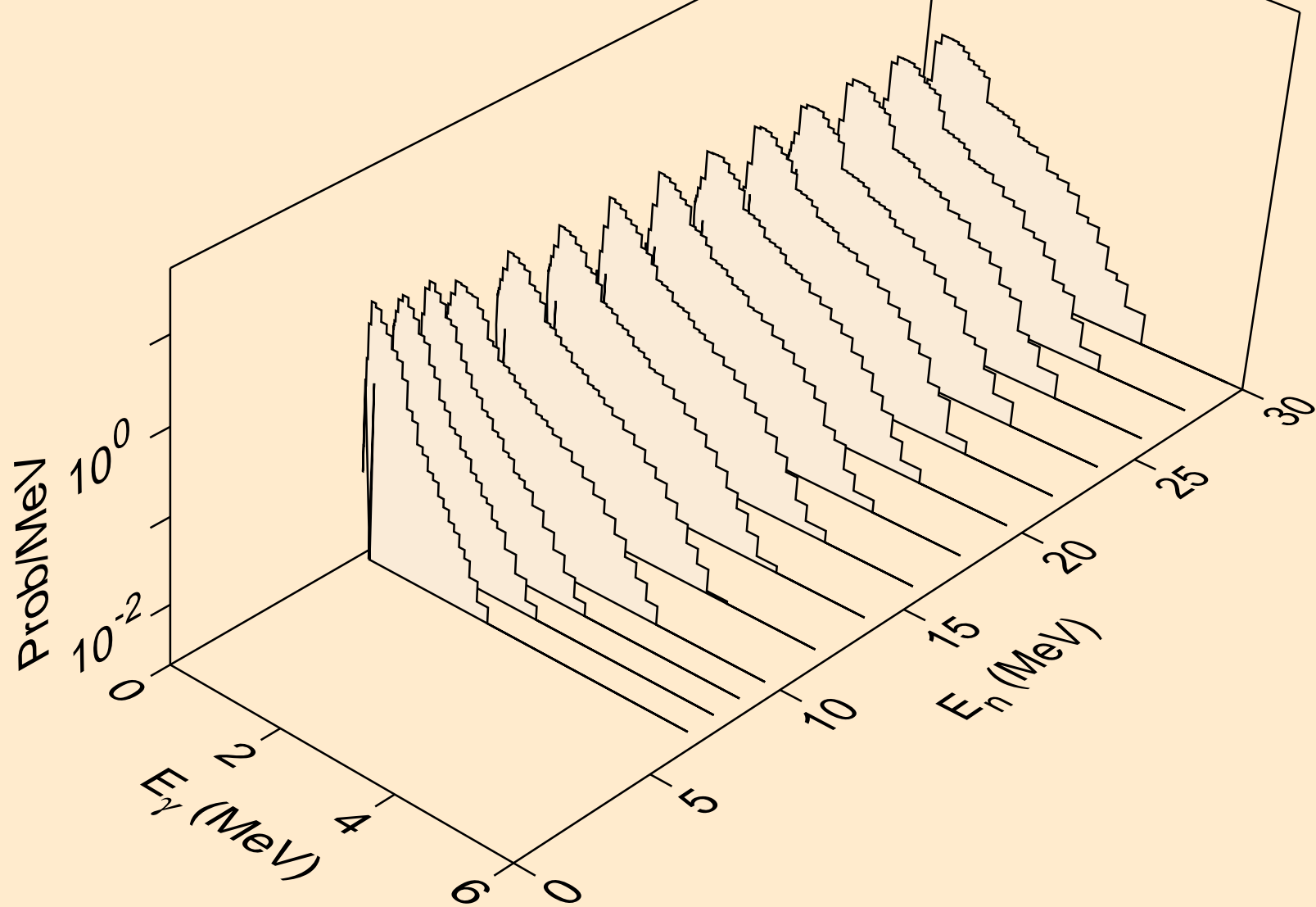


SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)a

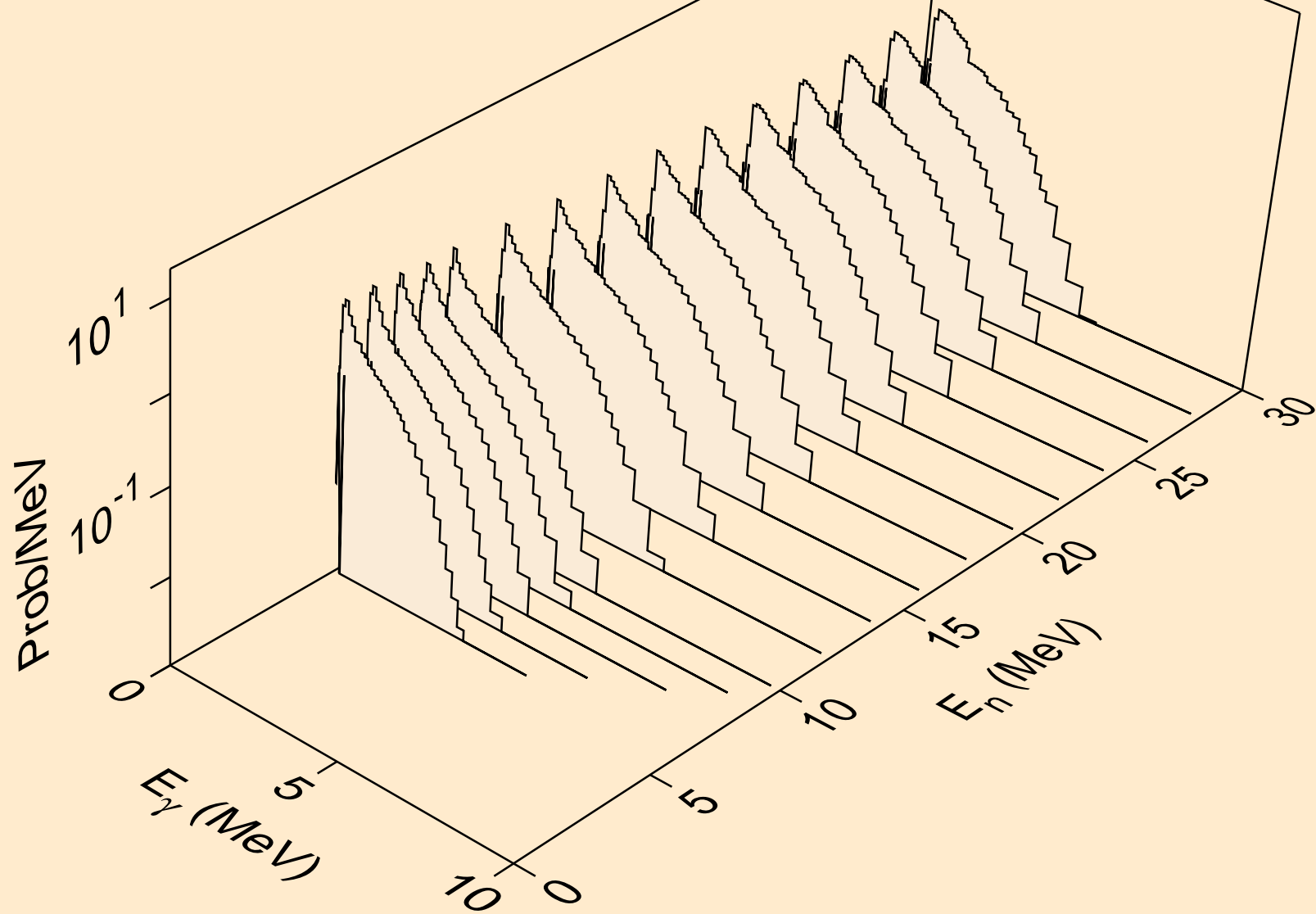




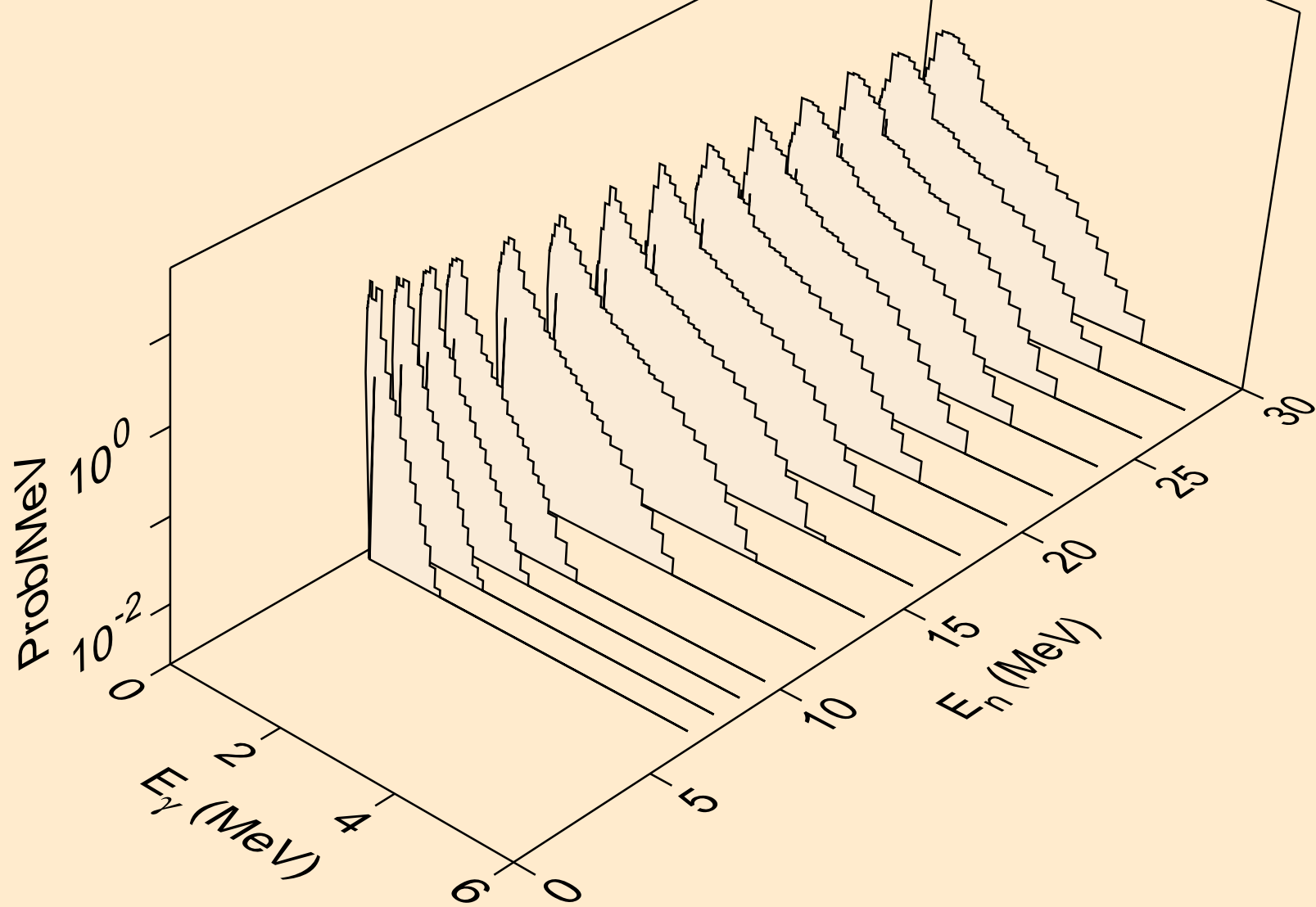
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



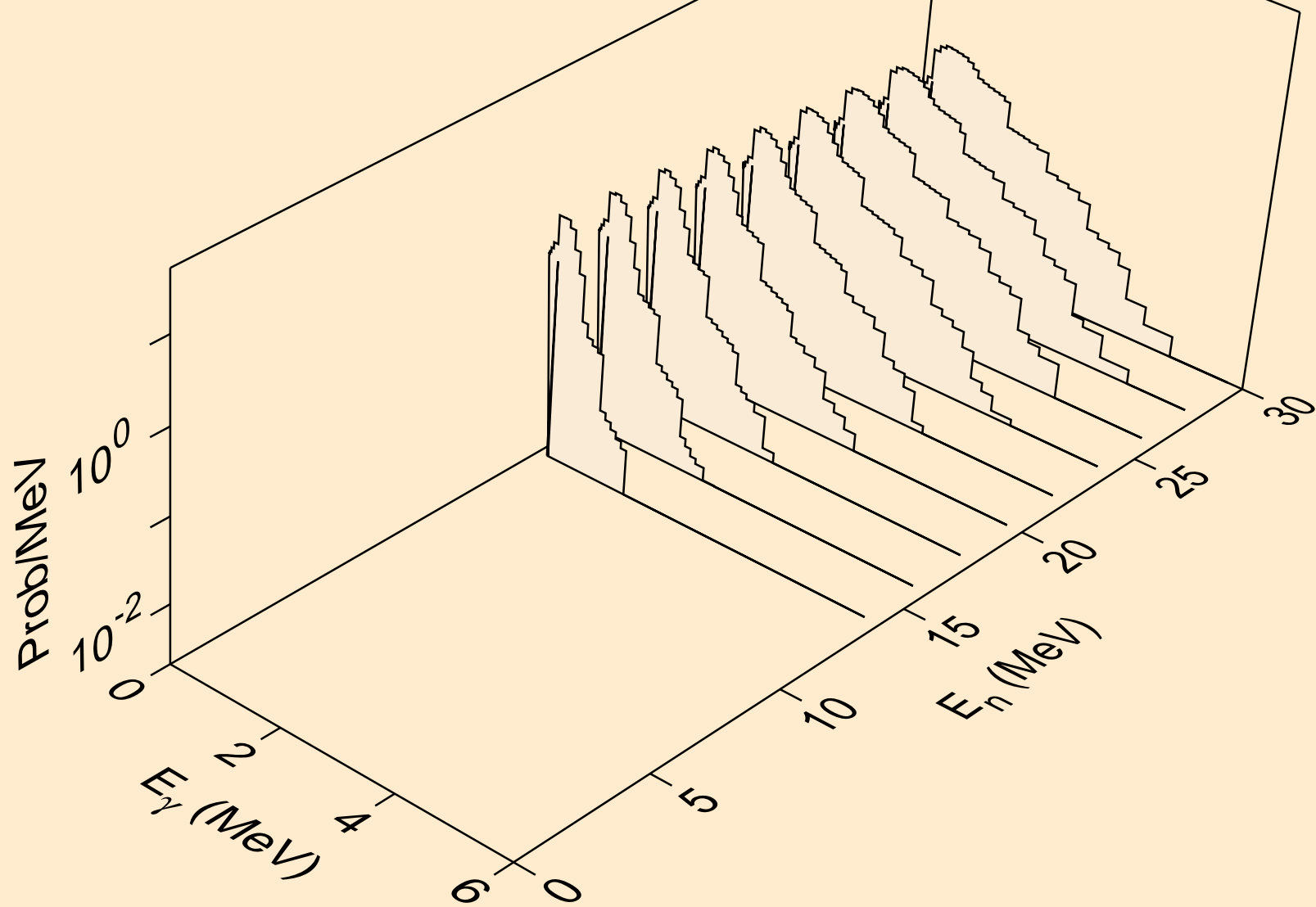
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



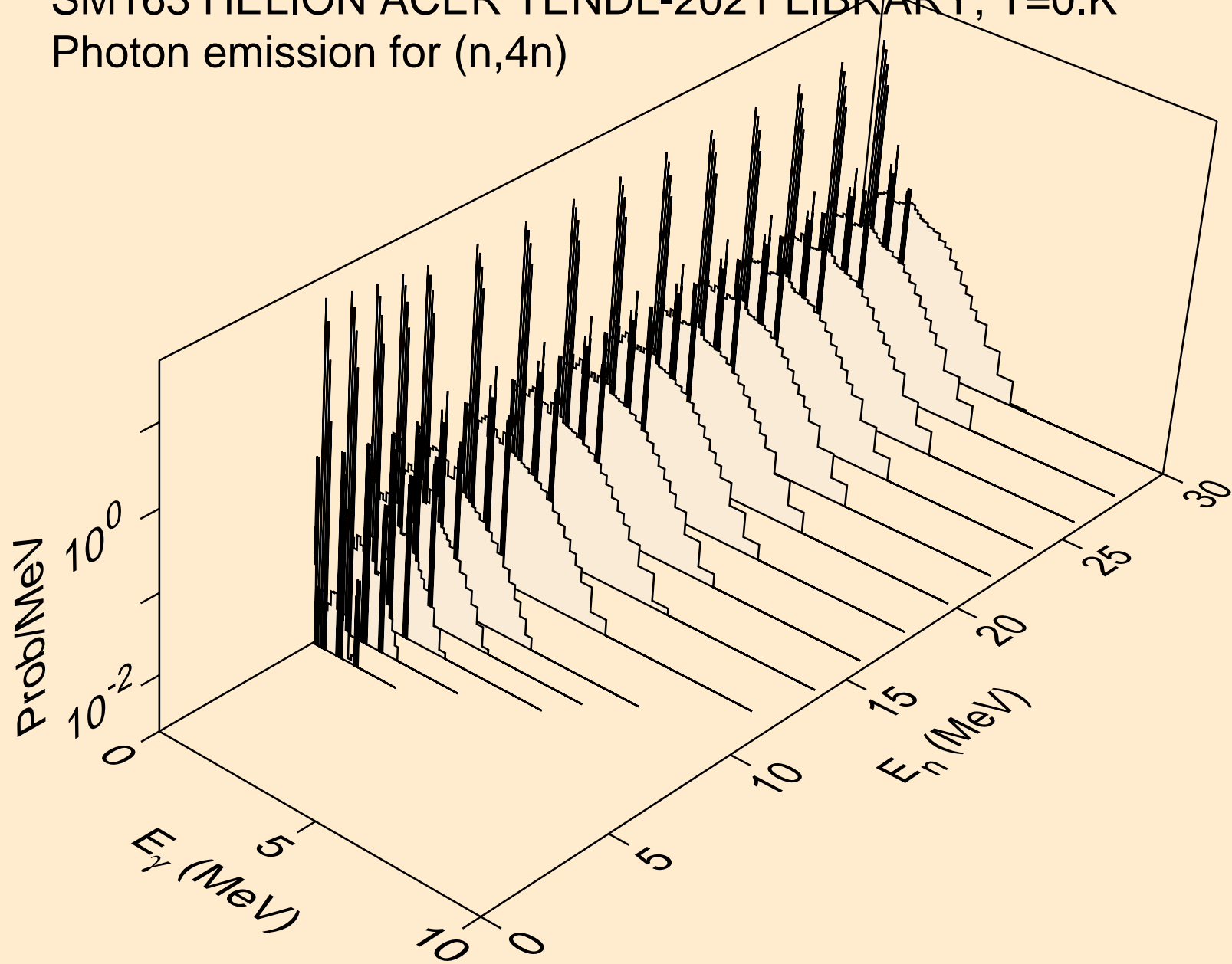
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



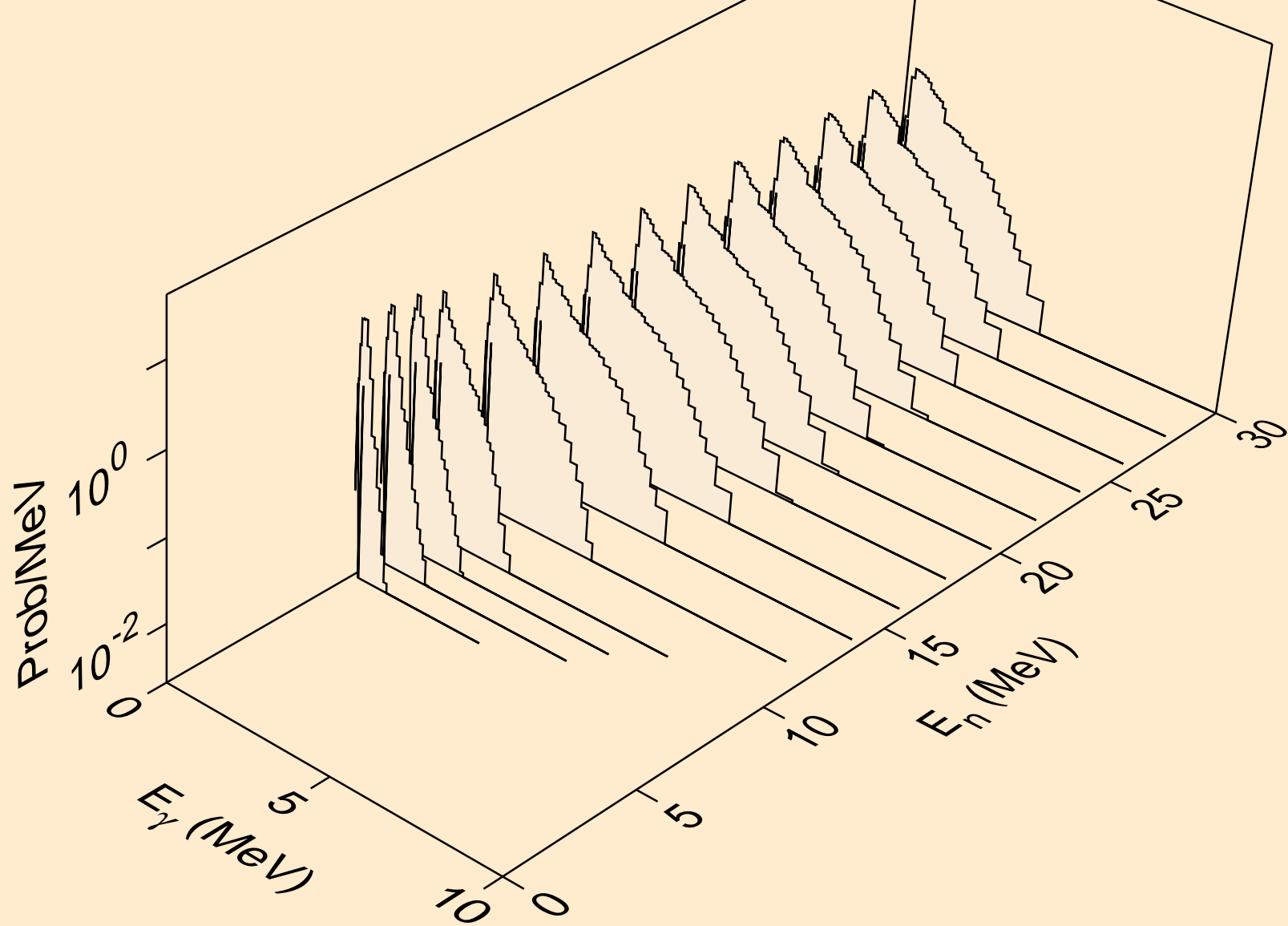
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



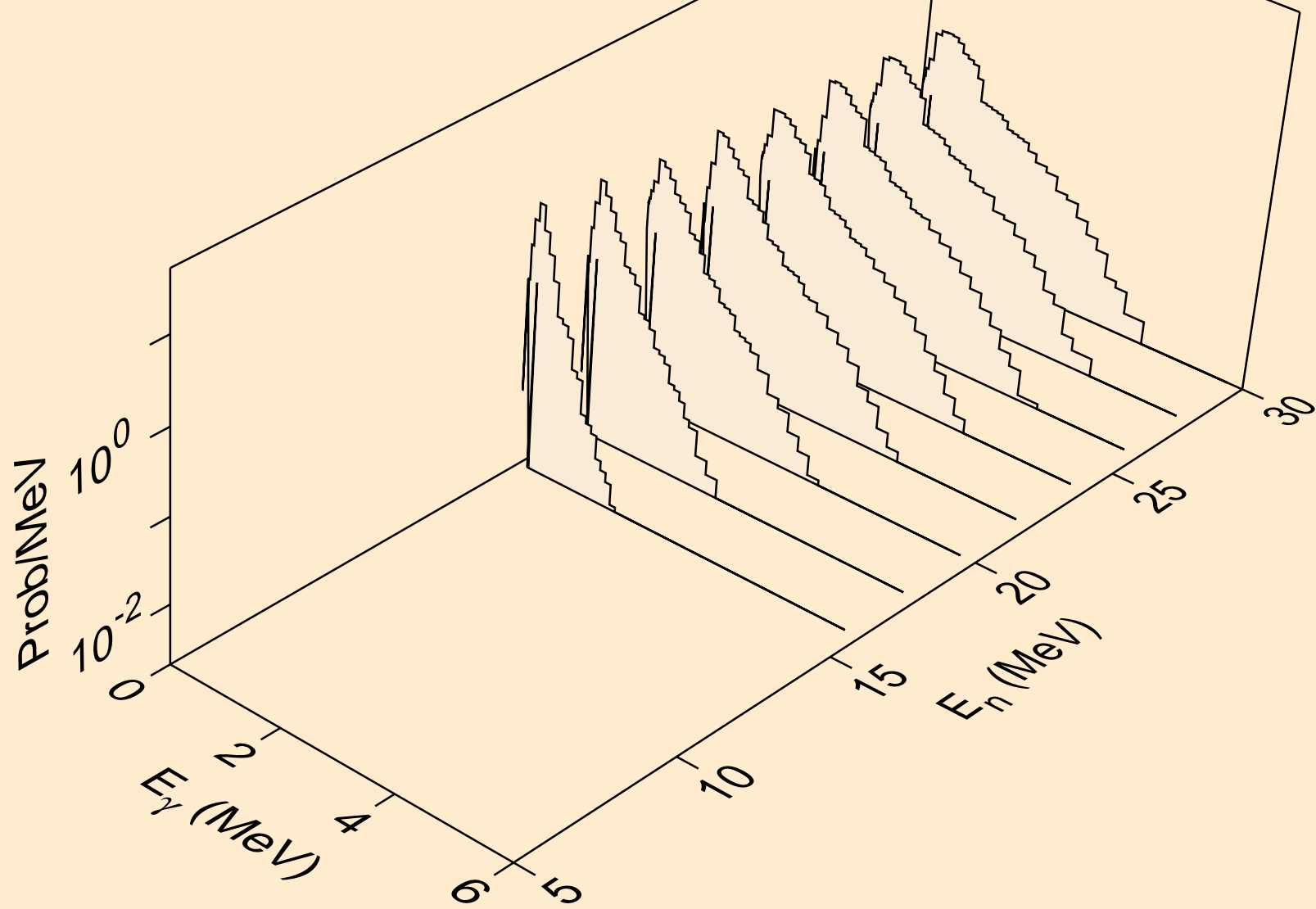
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,4n)



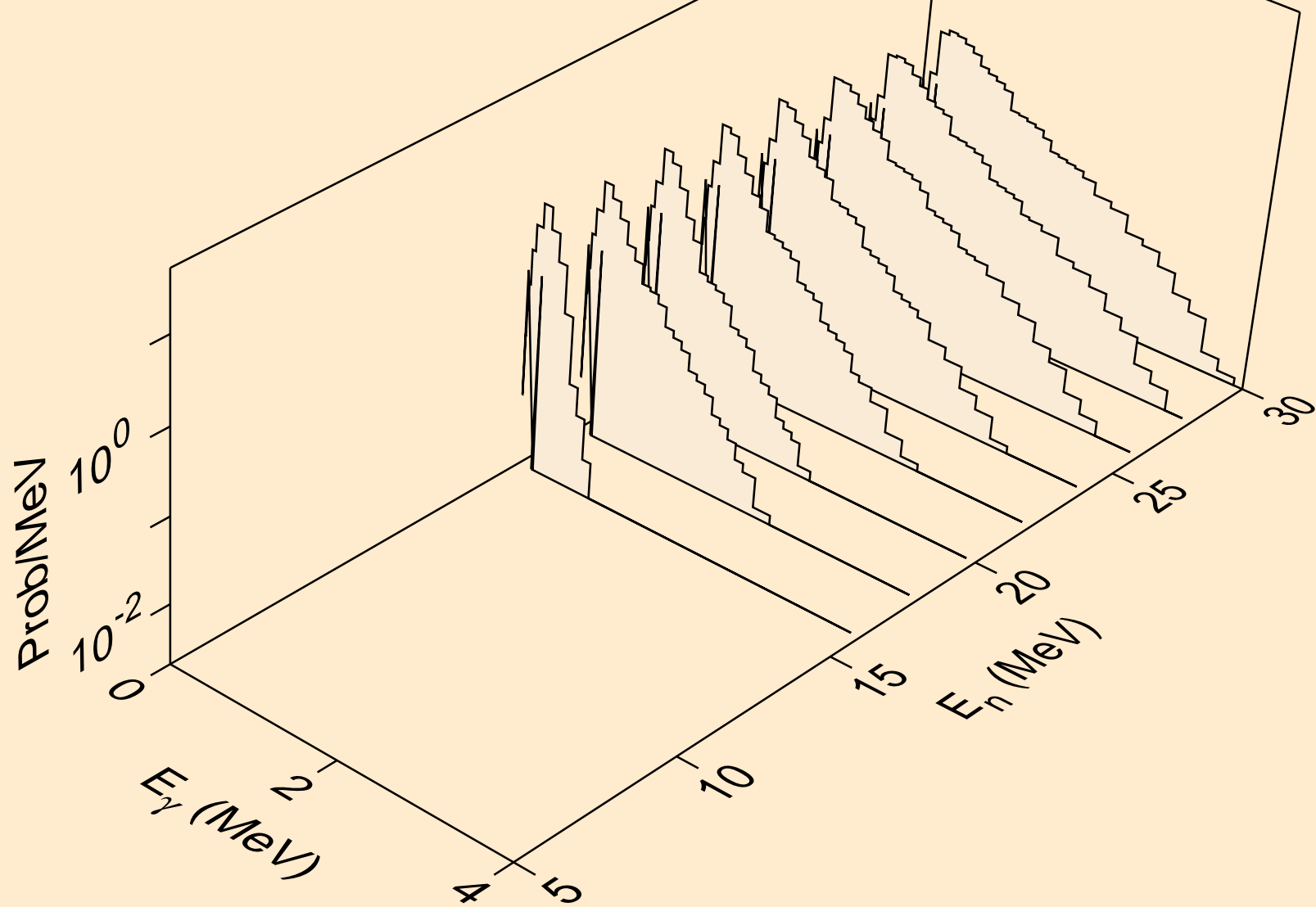
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3np)

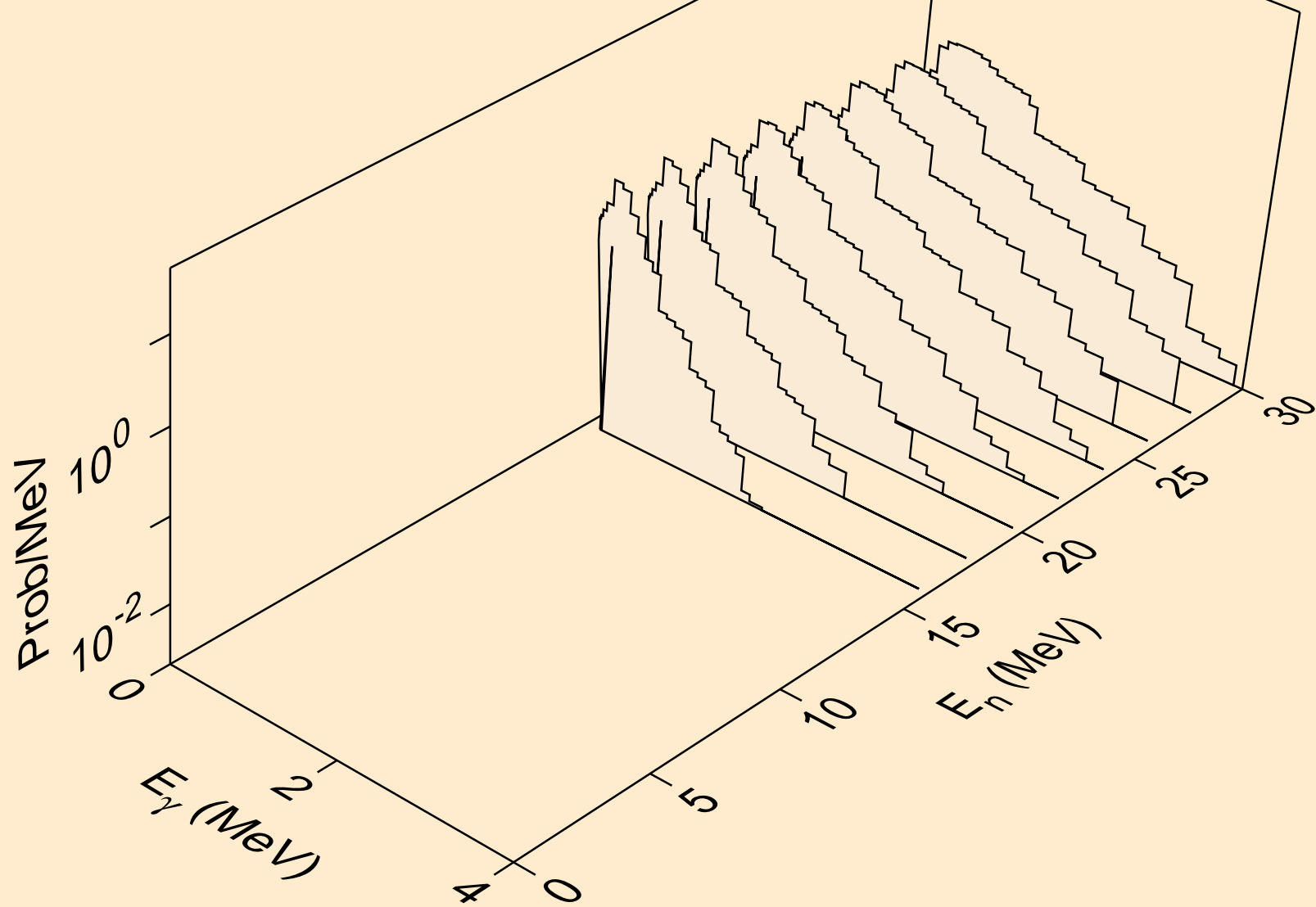


SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)

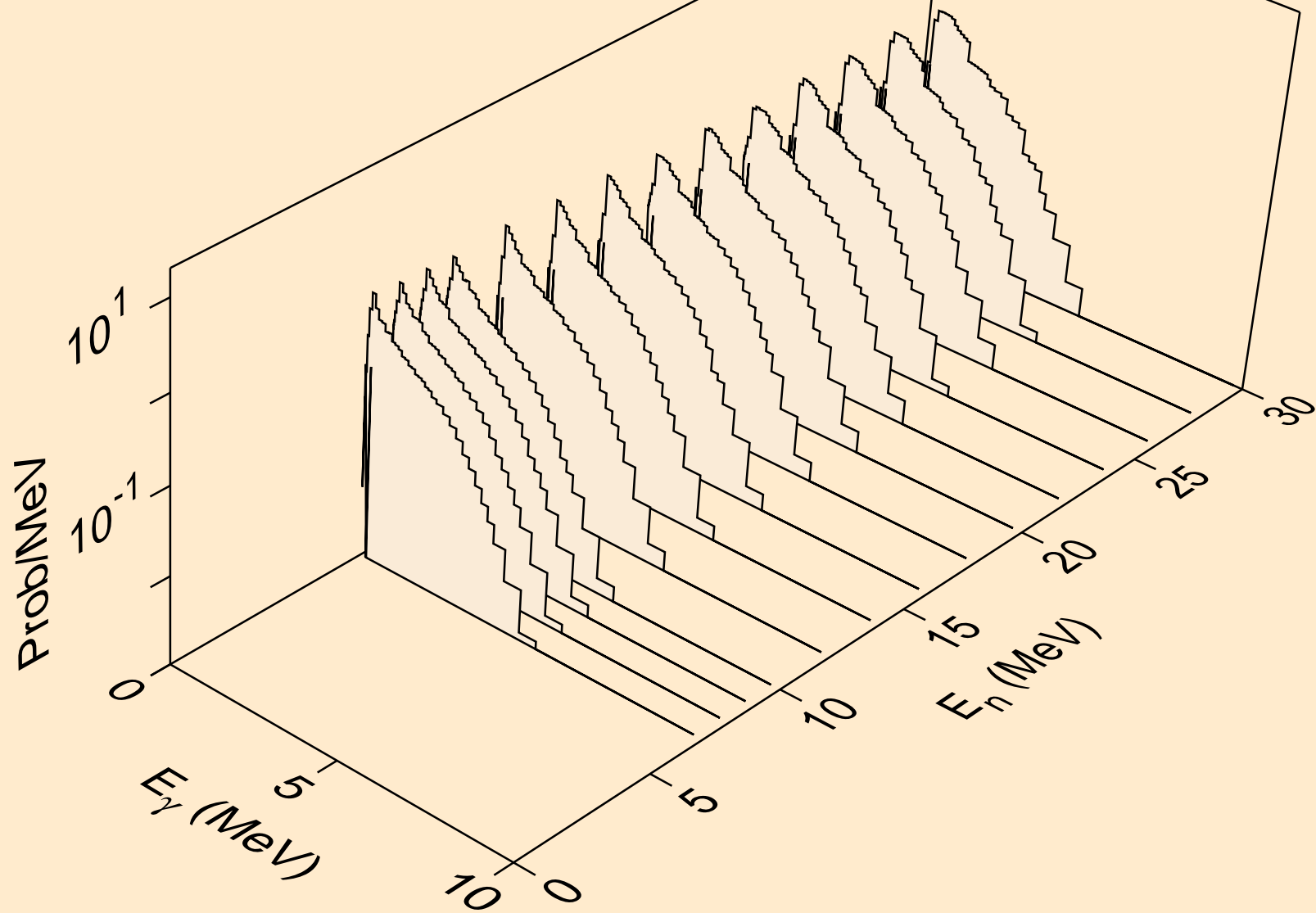




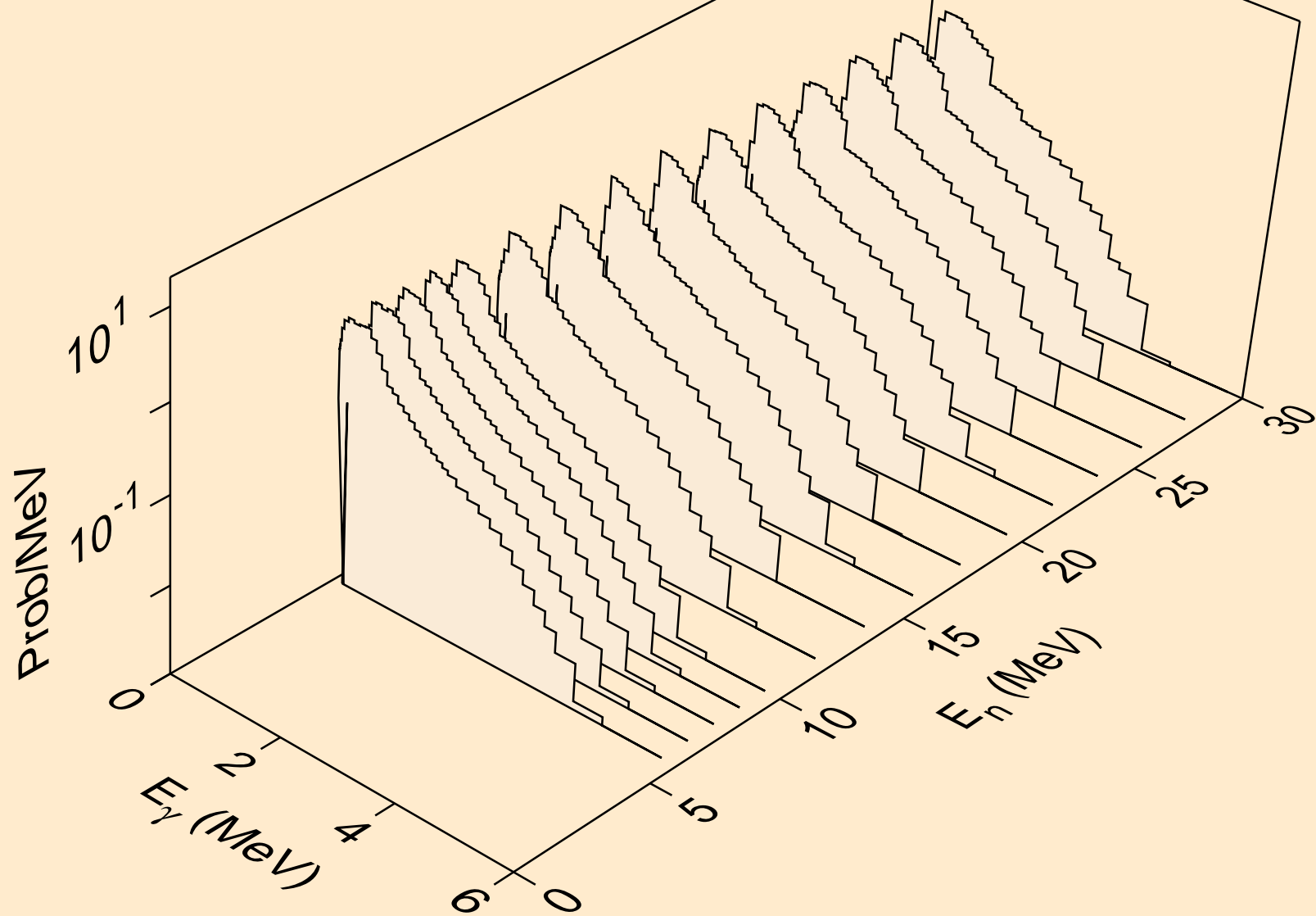
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,npa)



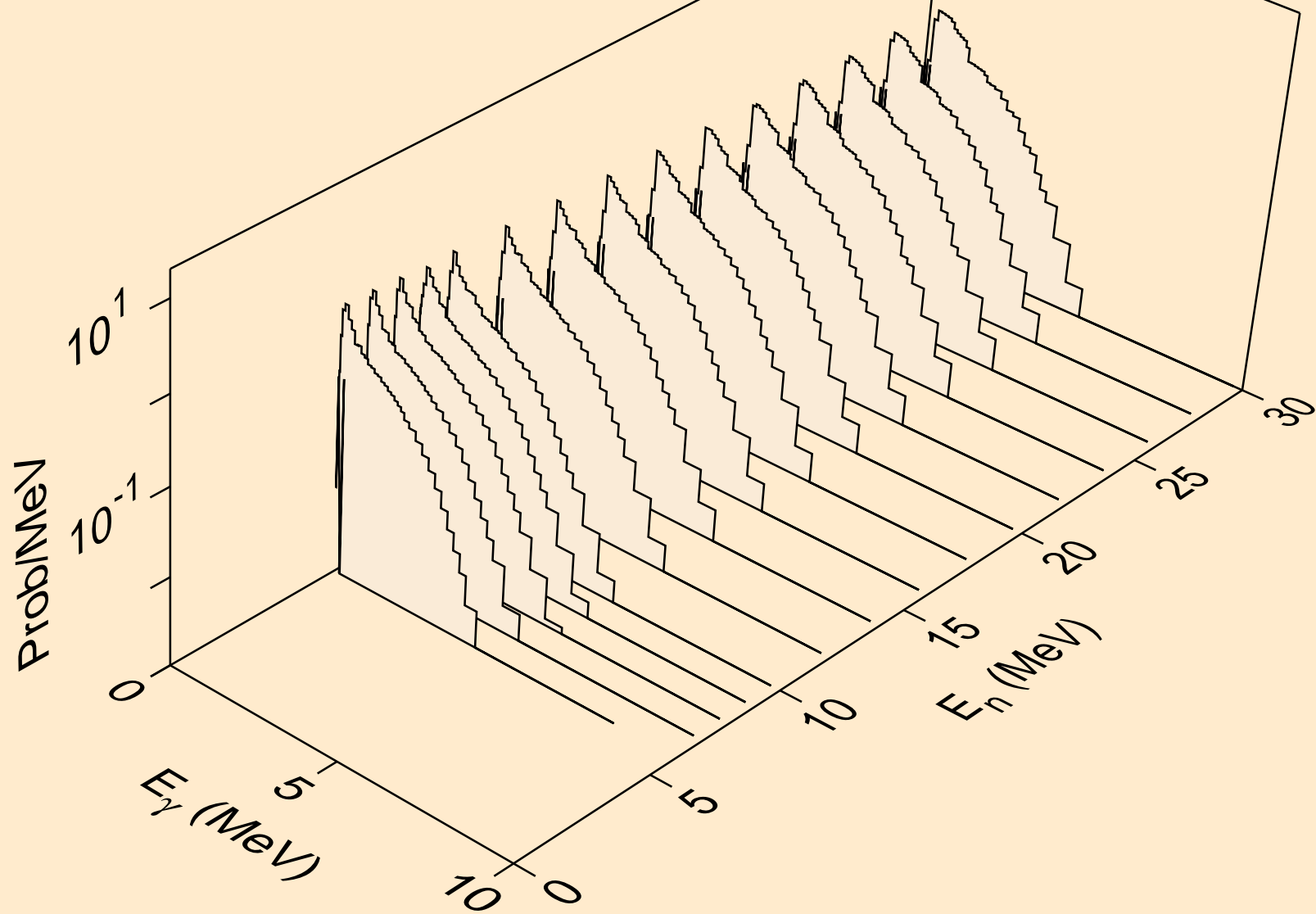
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,p)



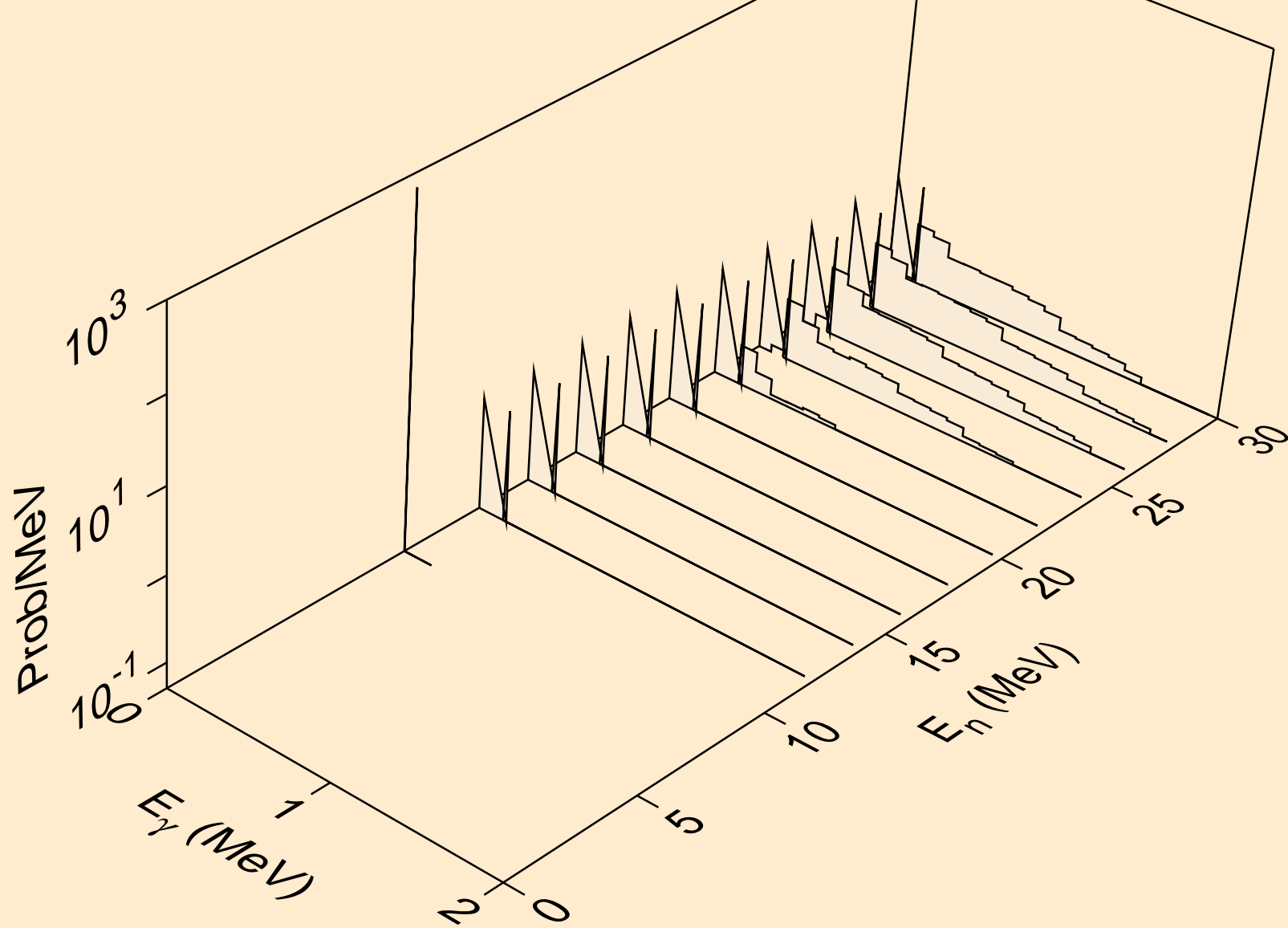
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,d)



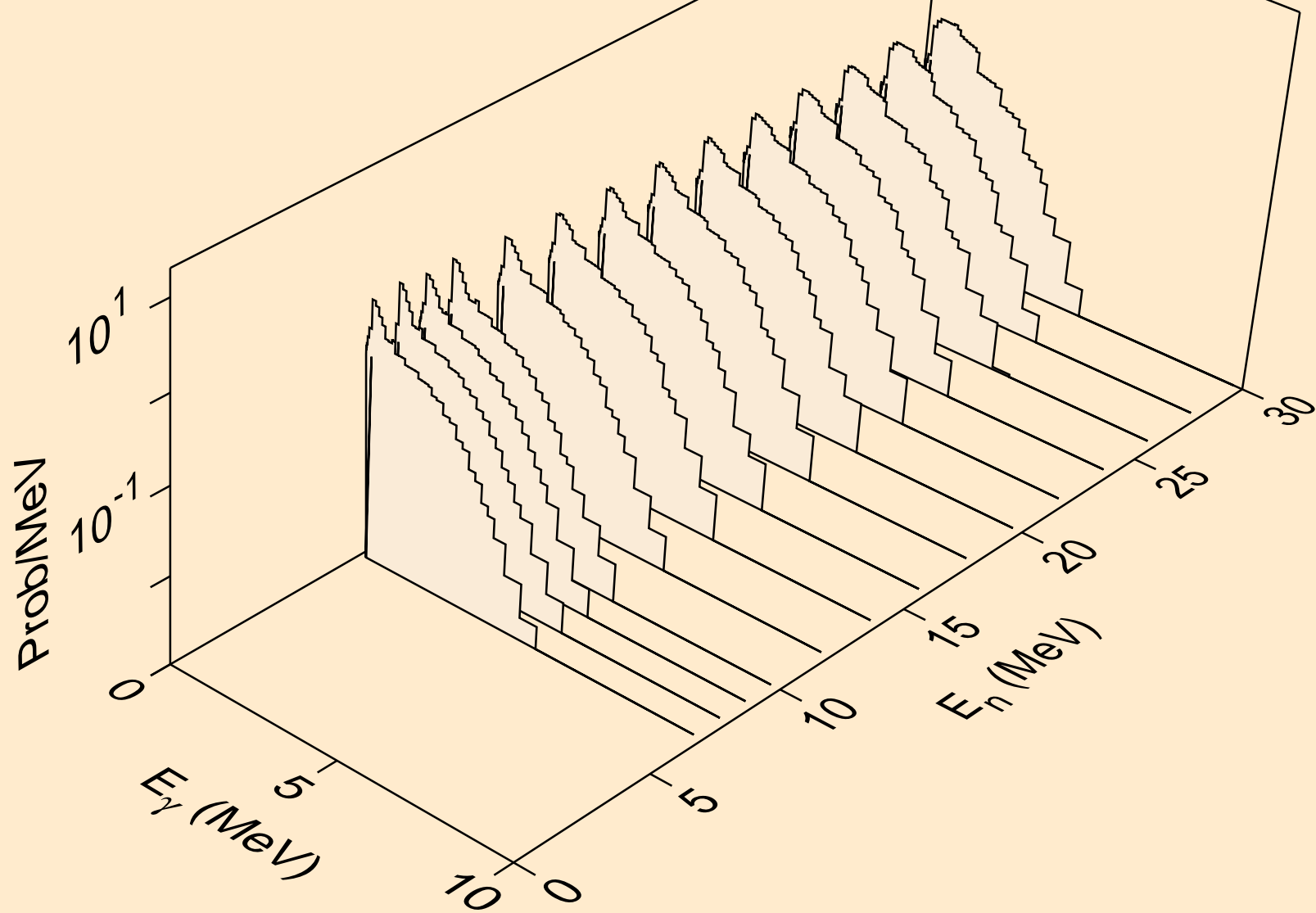
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,t)



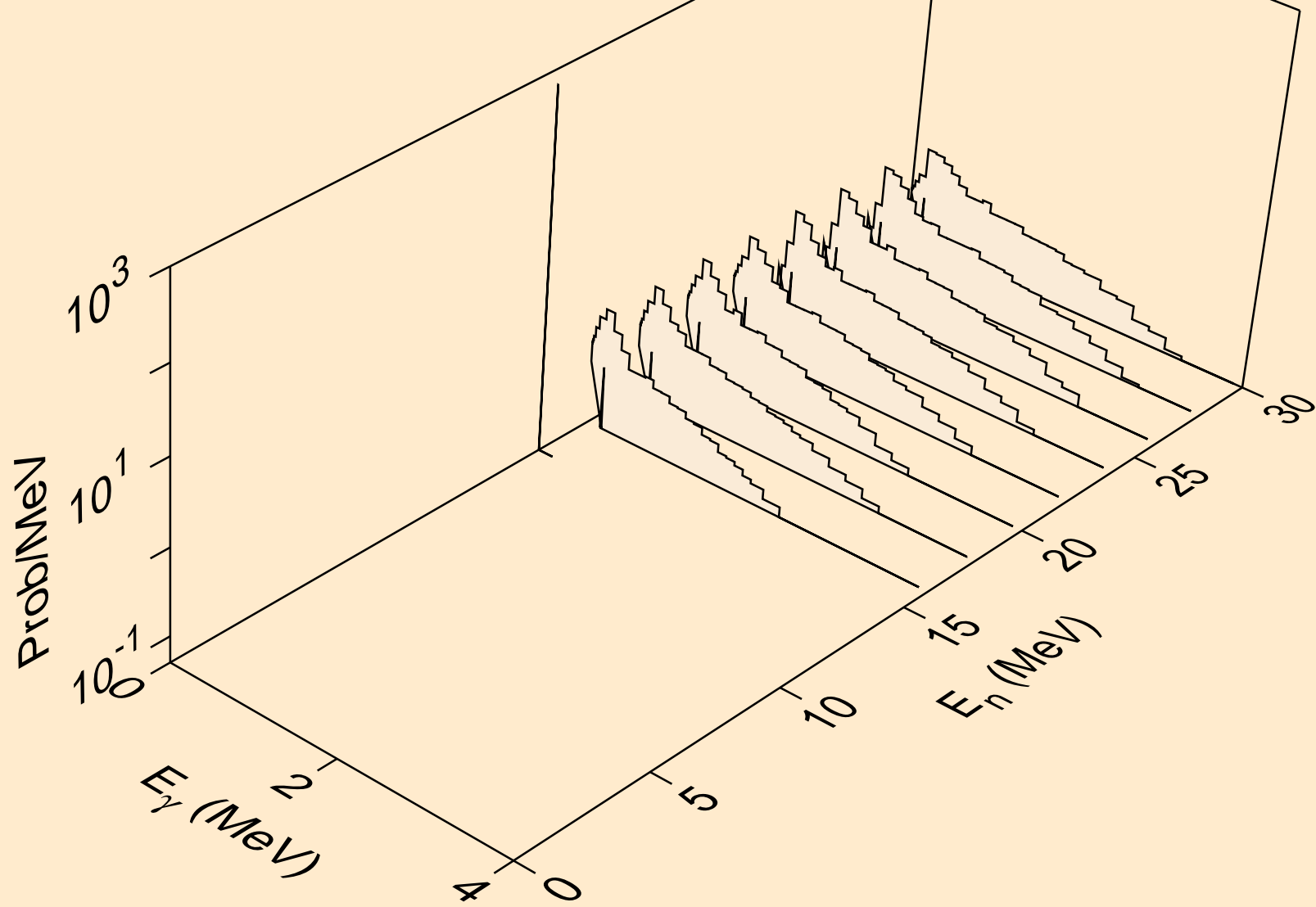
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



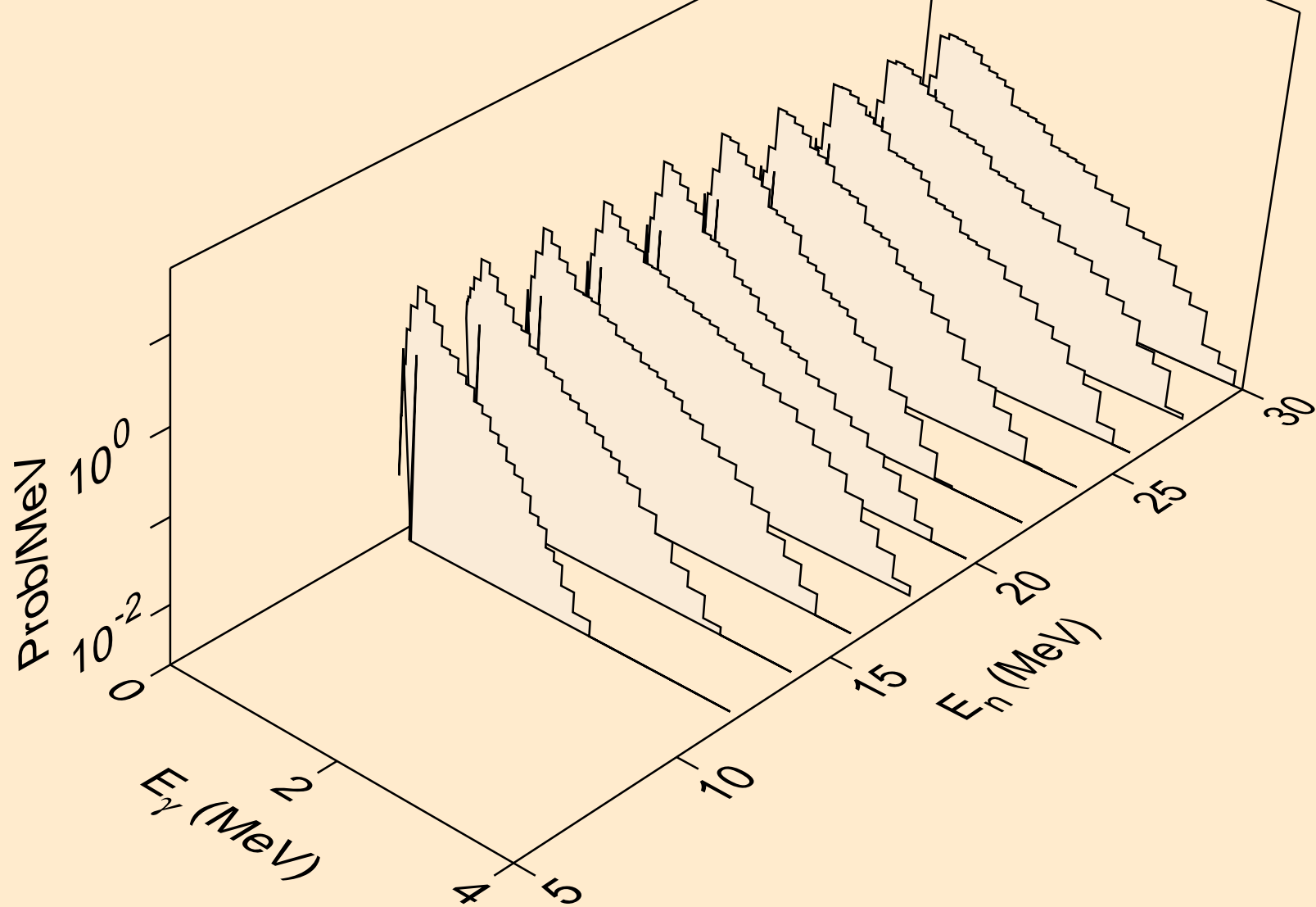
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,a)



SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)

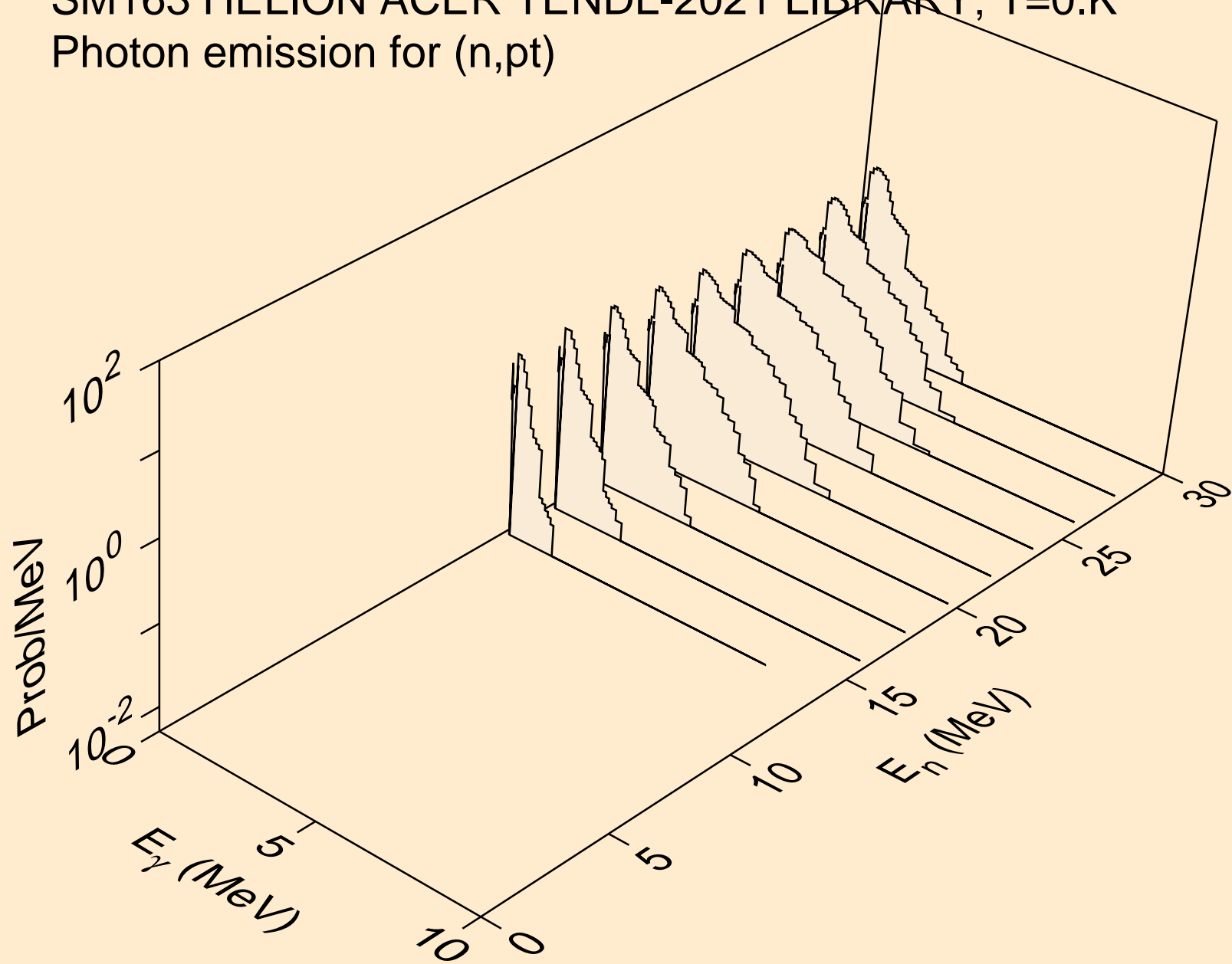


SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)



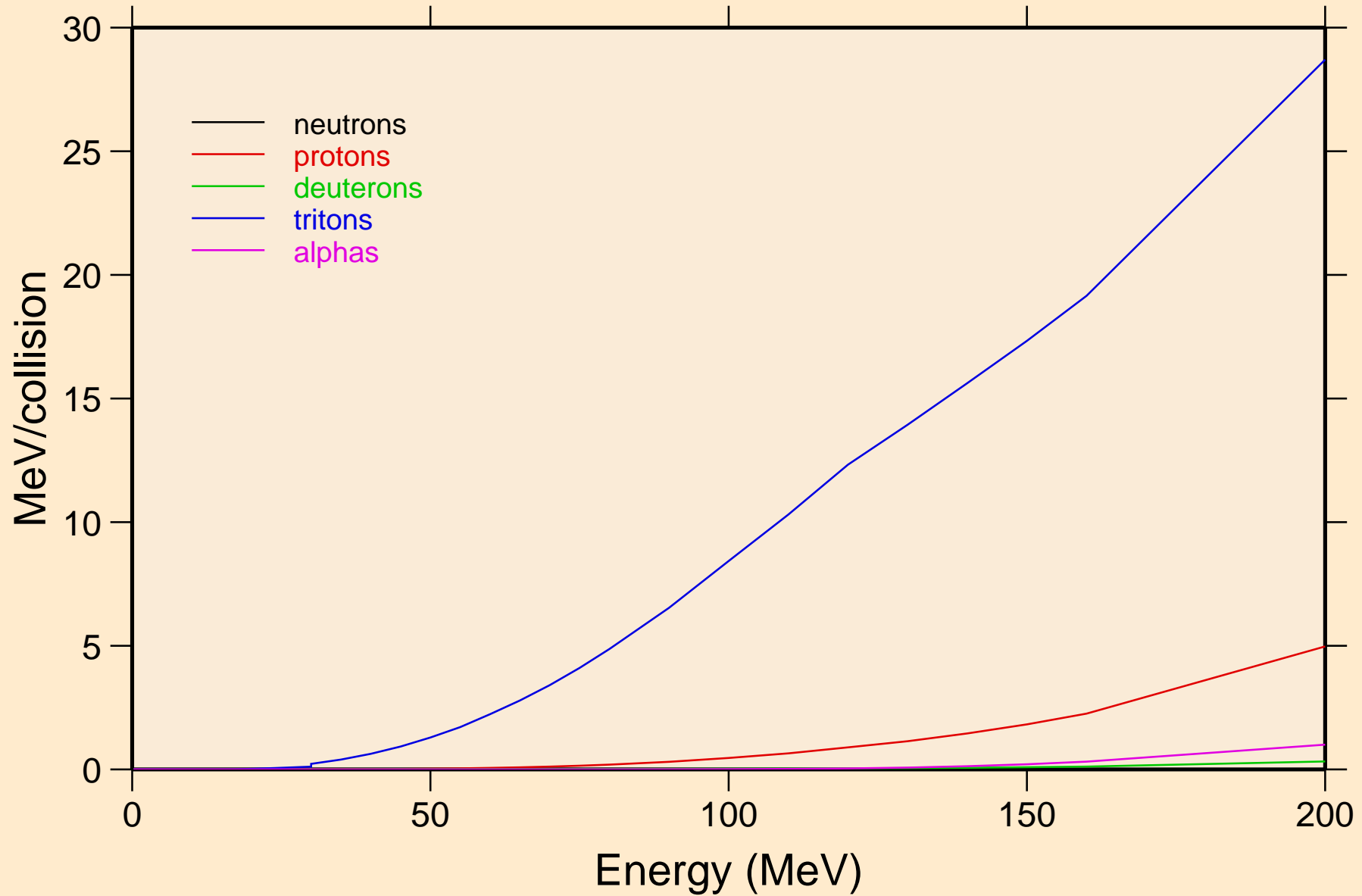


SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)

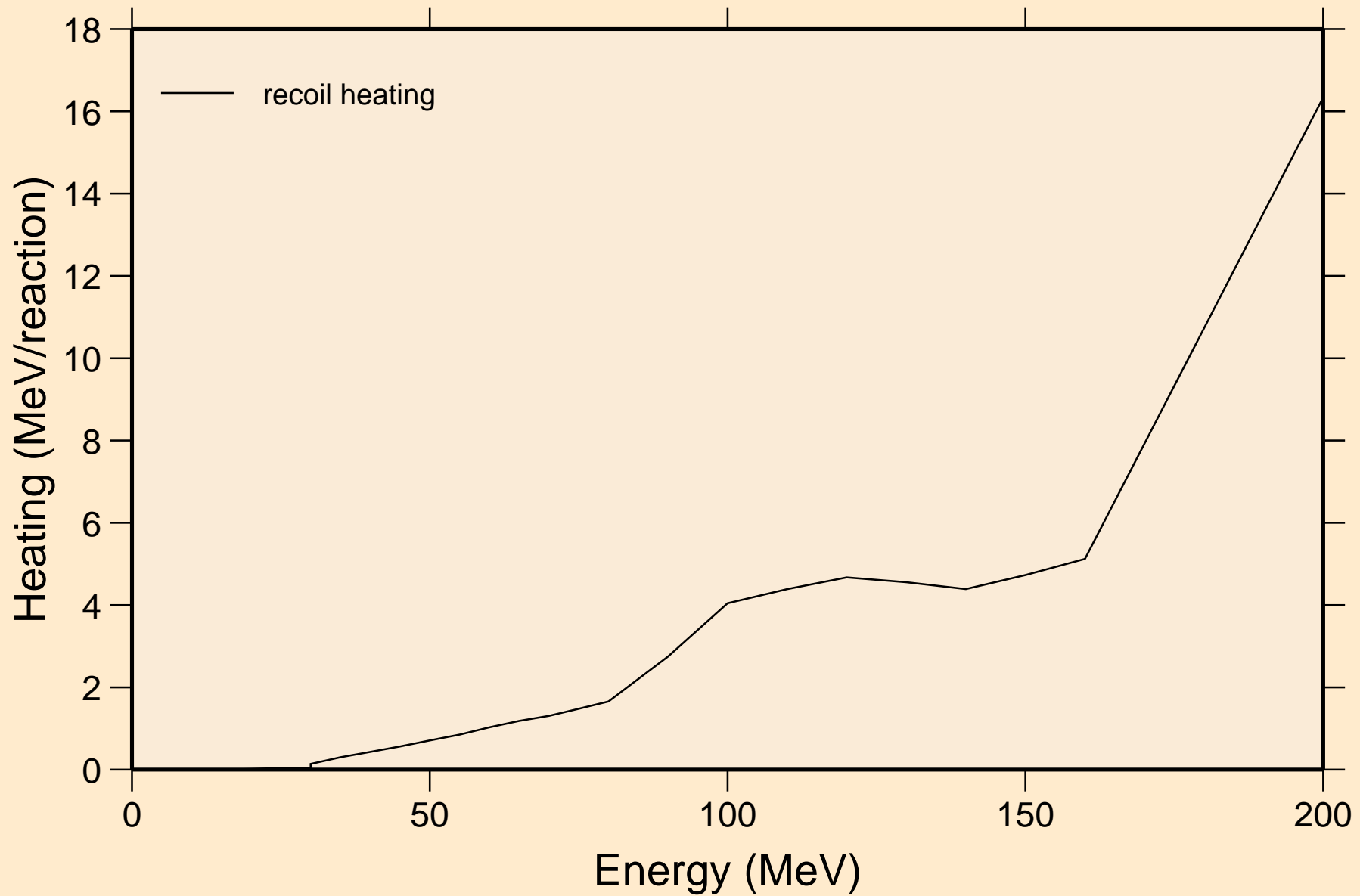


# SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K

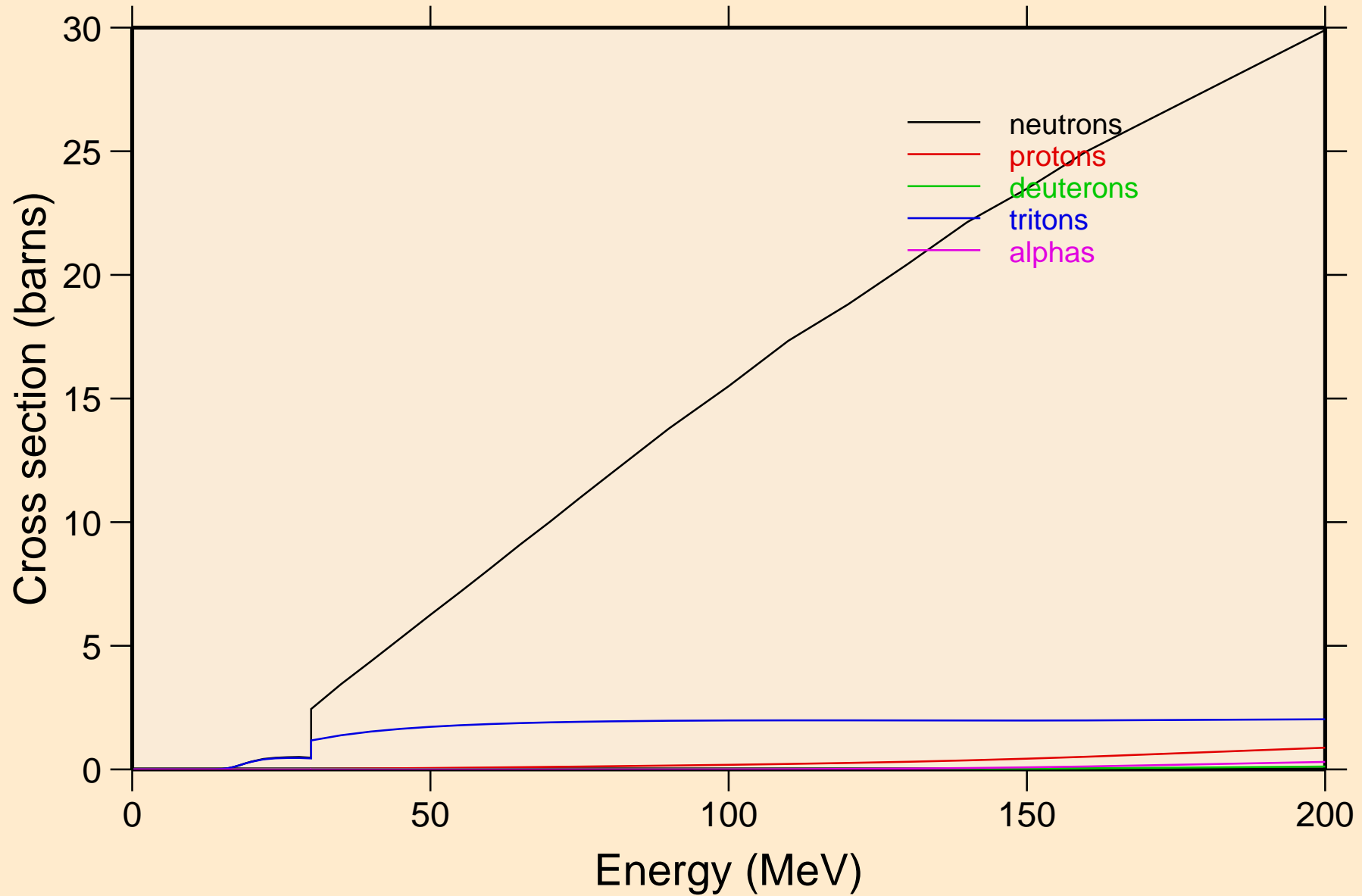
## Particle heating contributions



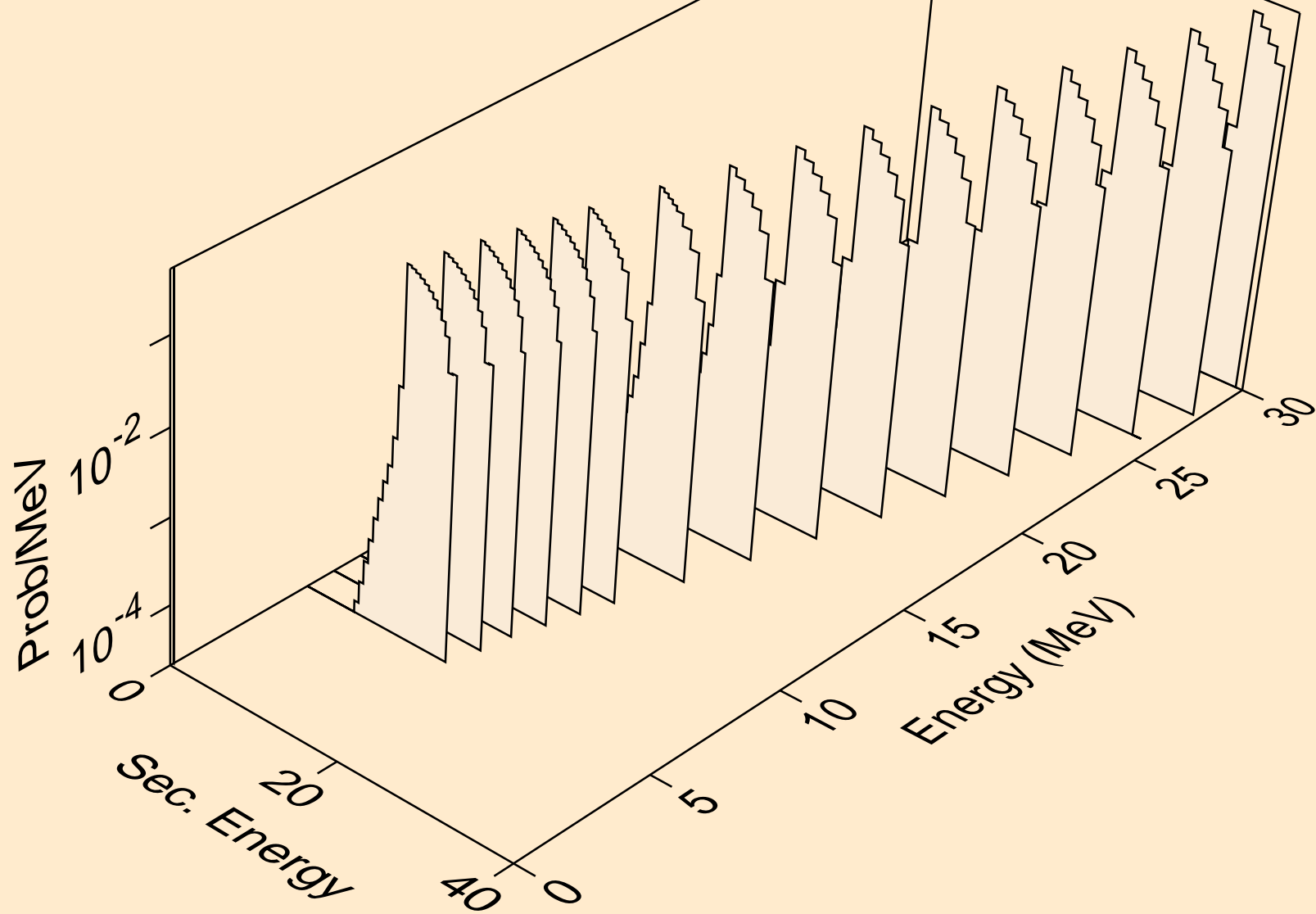
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Recoil Heating



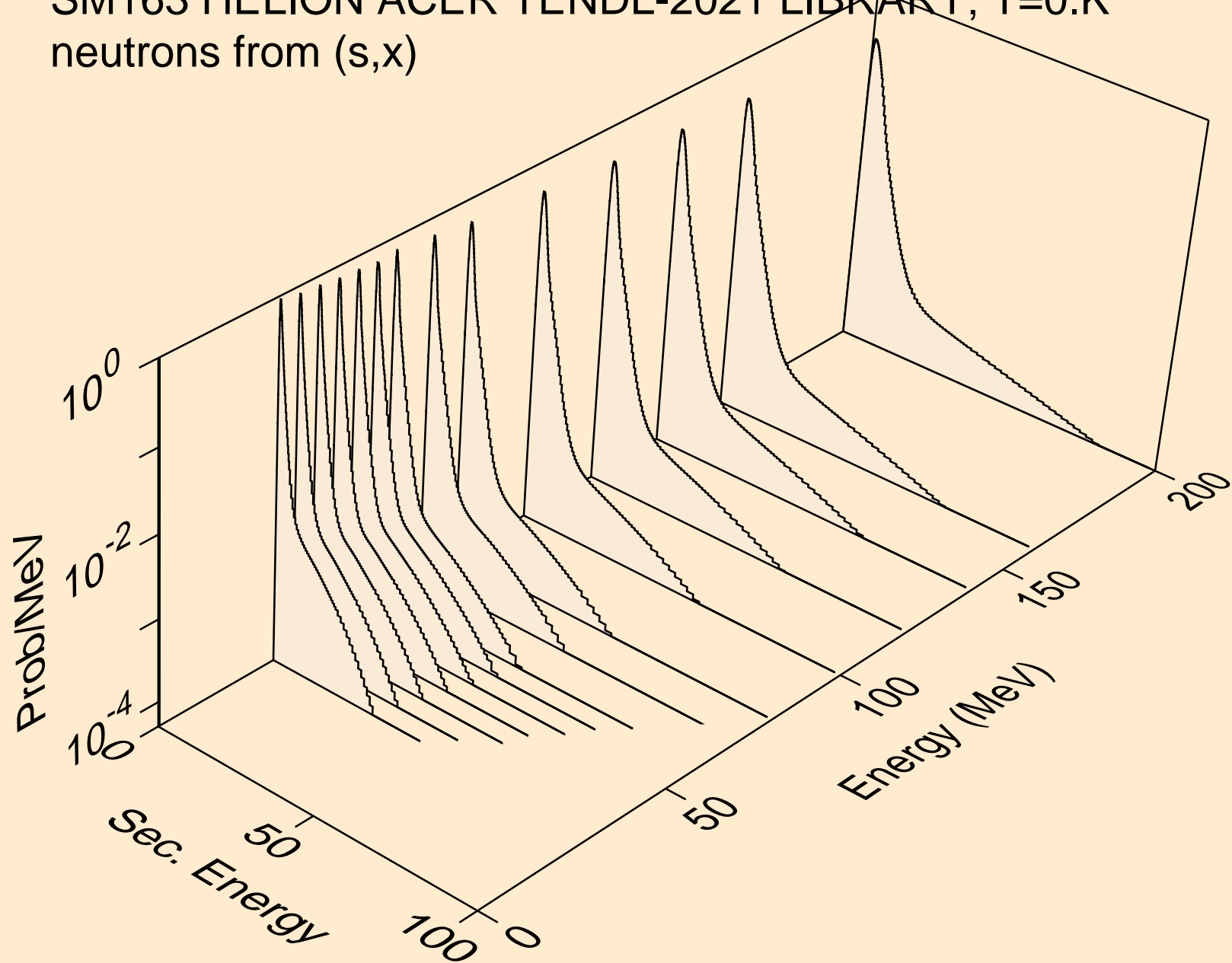
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections



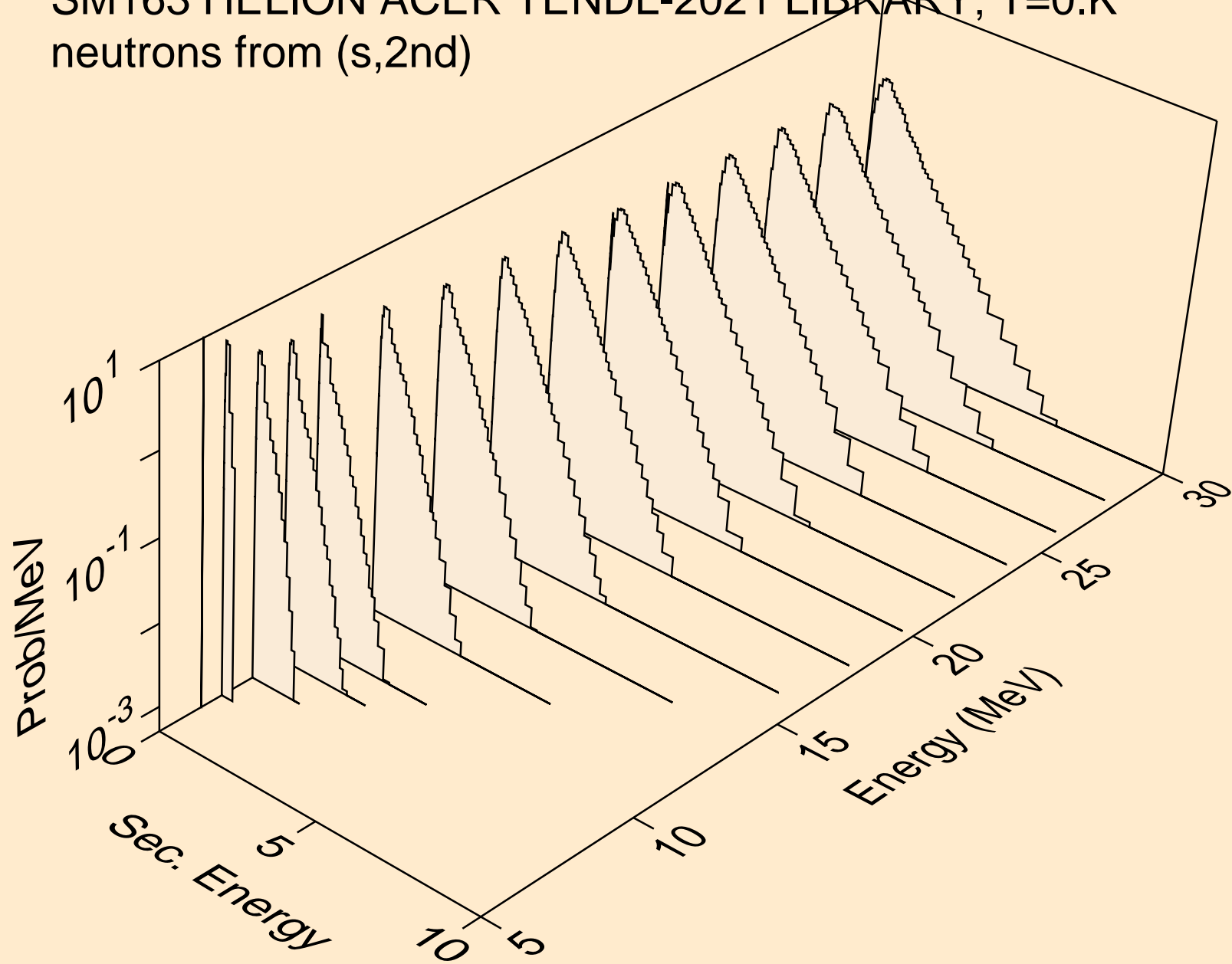
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n)



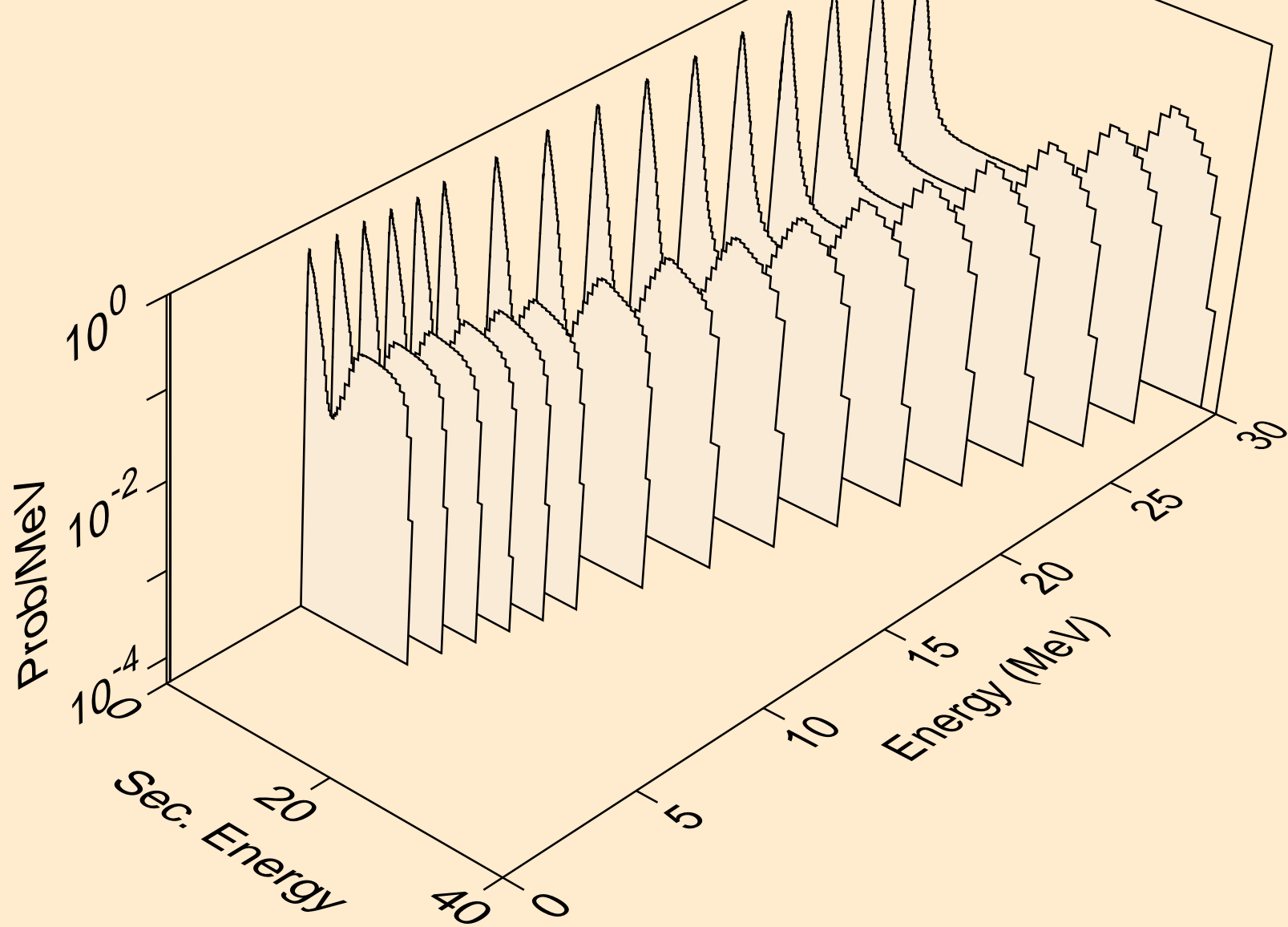
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,x)



SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2nd)

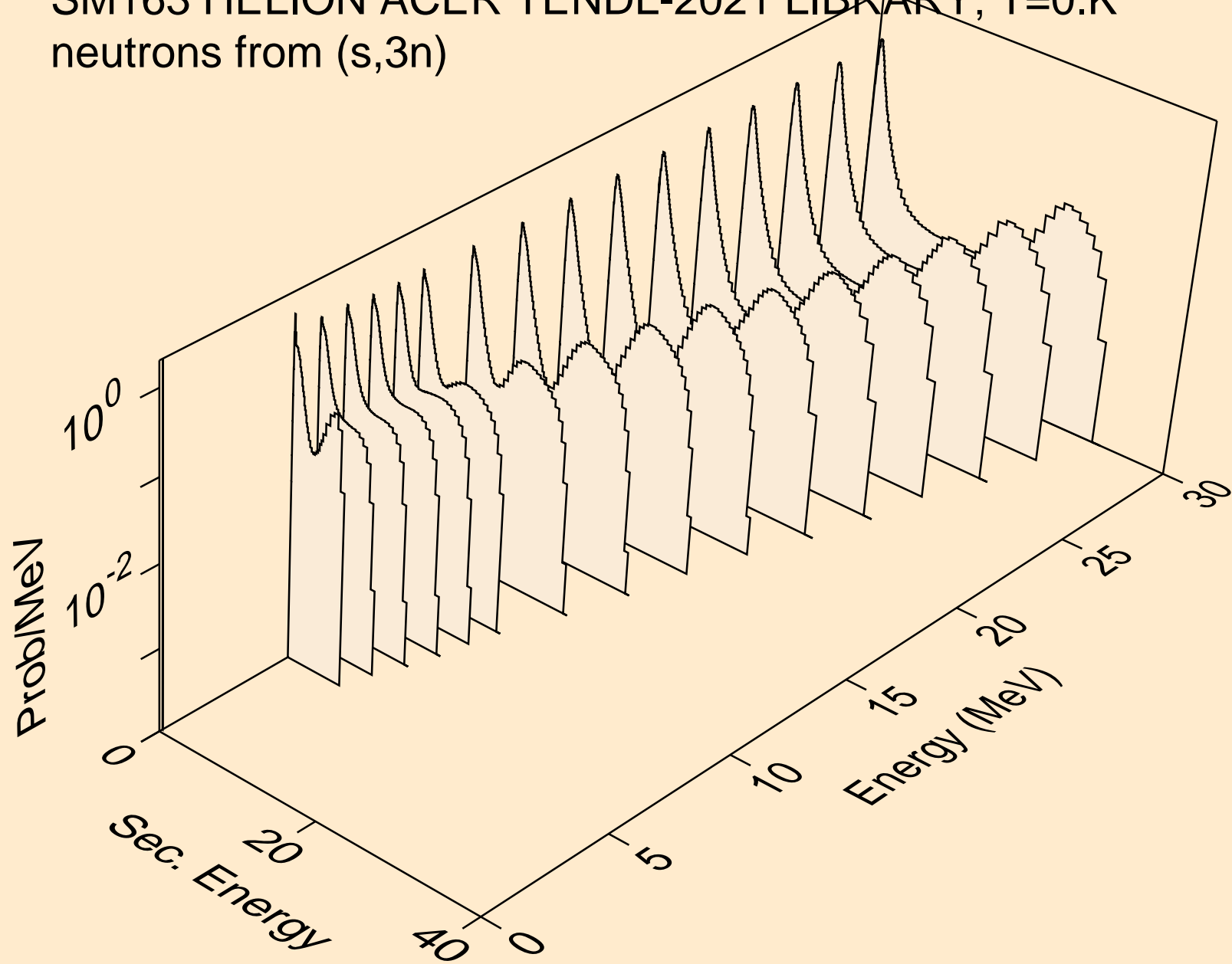


SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2n)

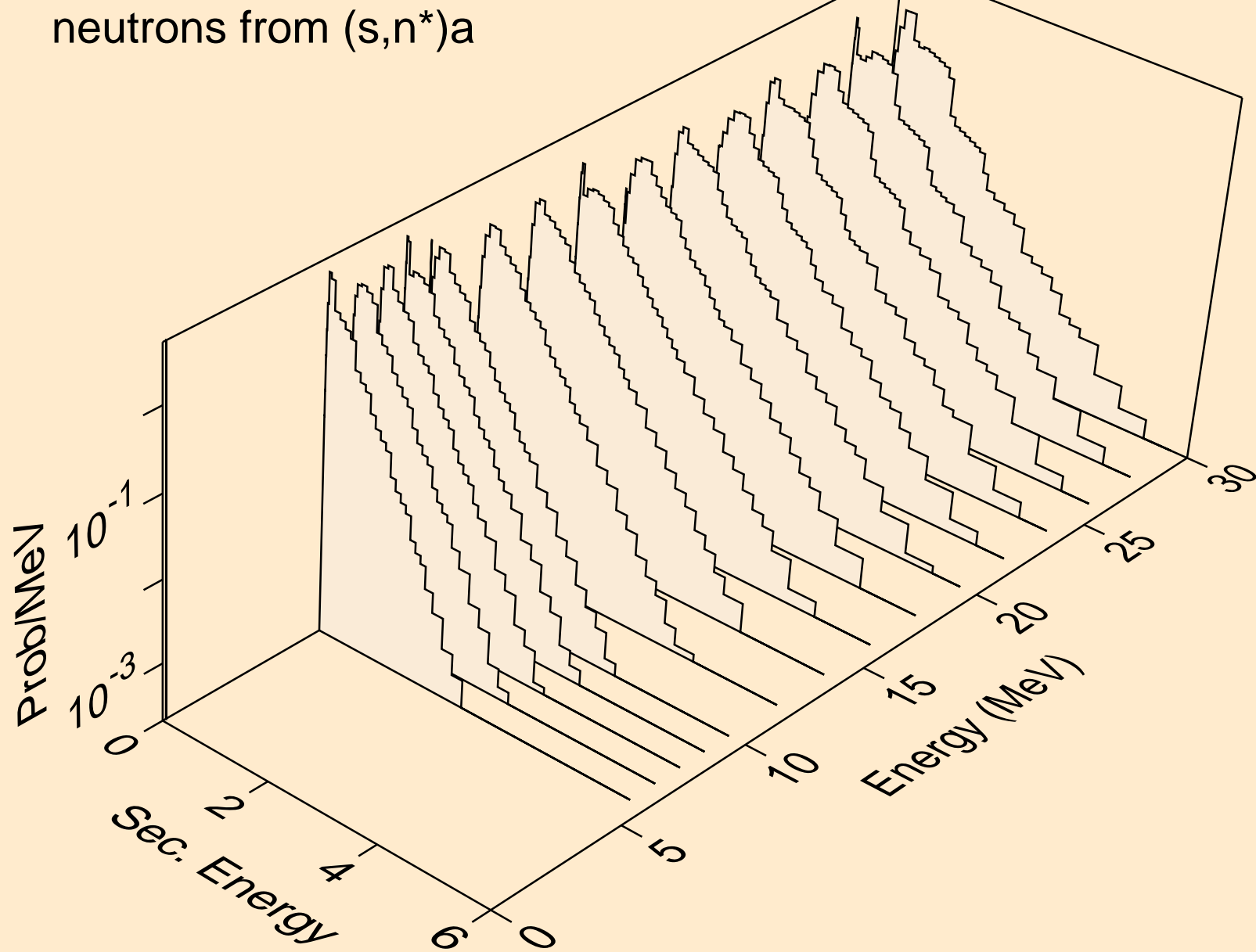




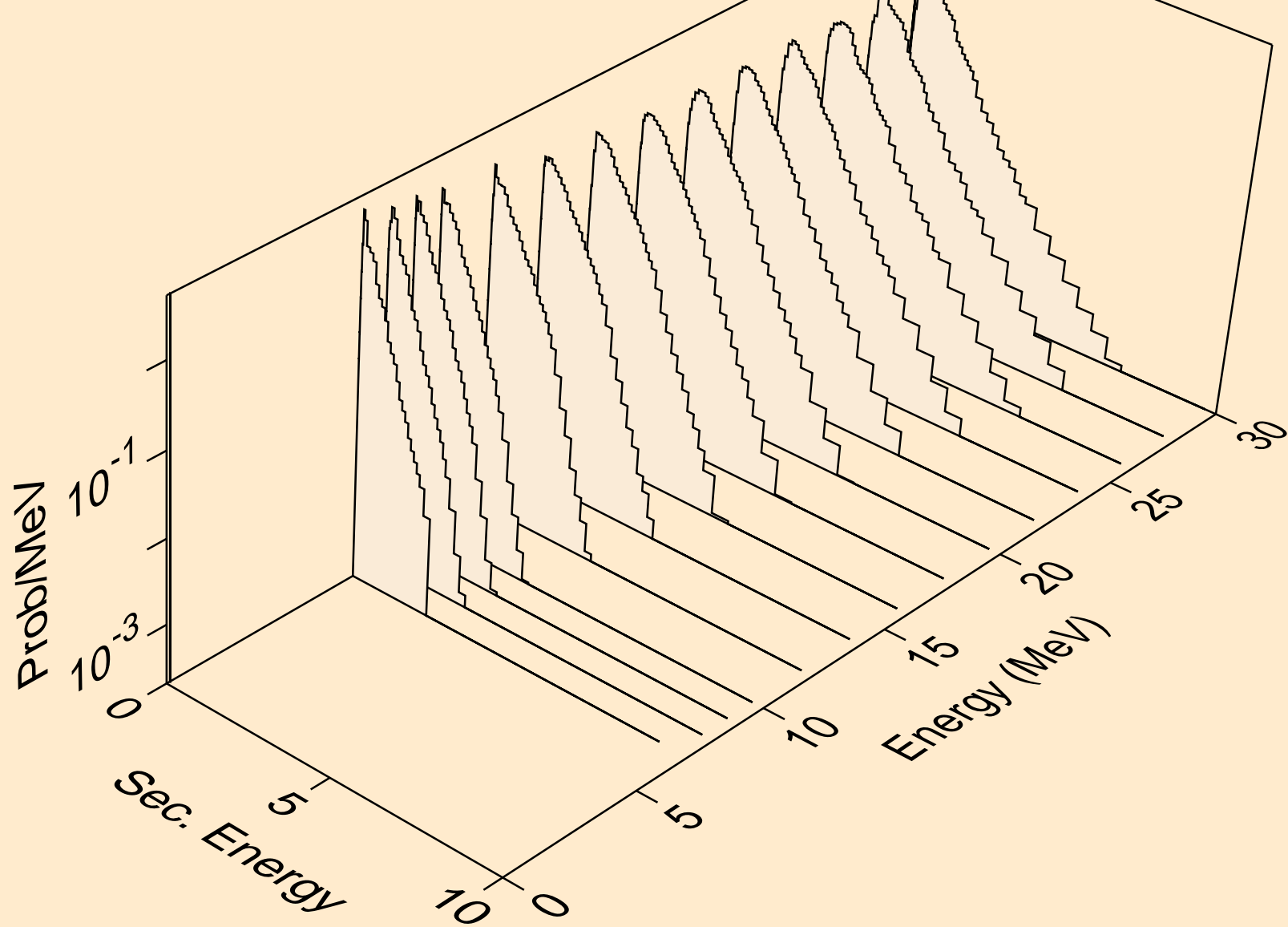
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,3n)



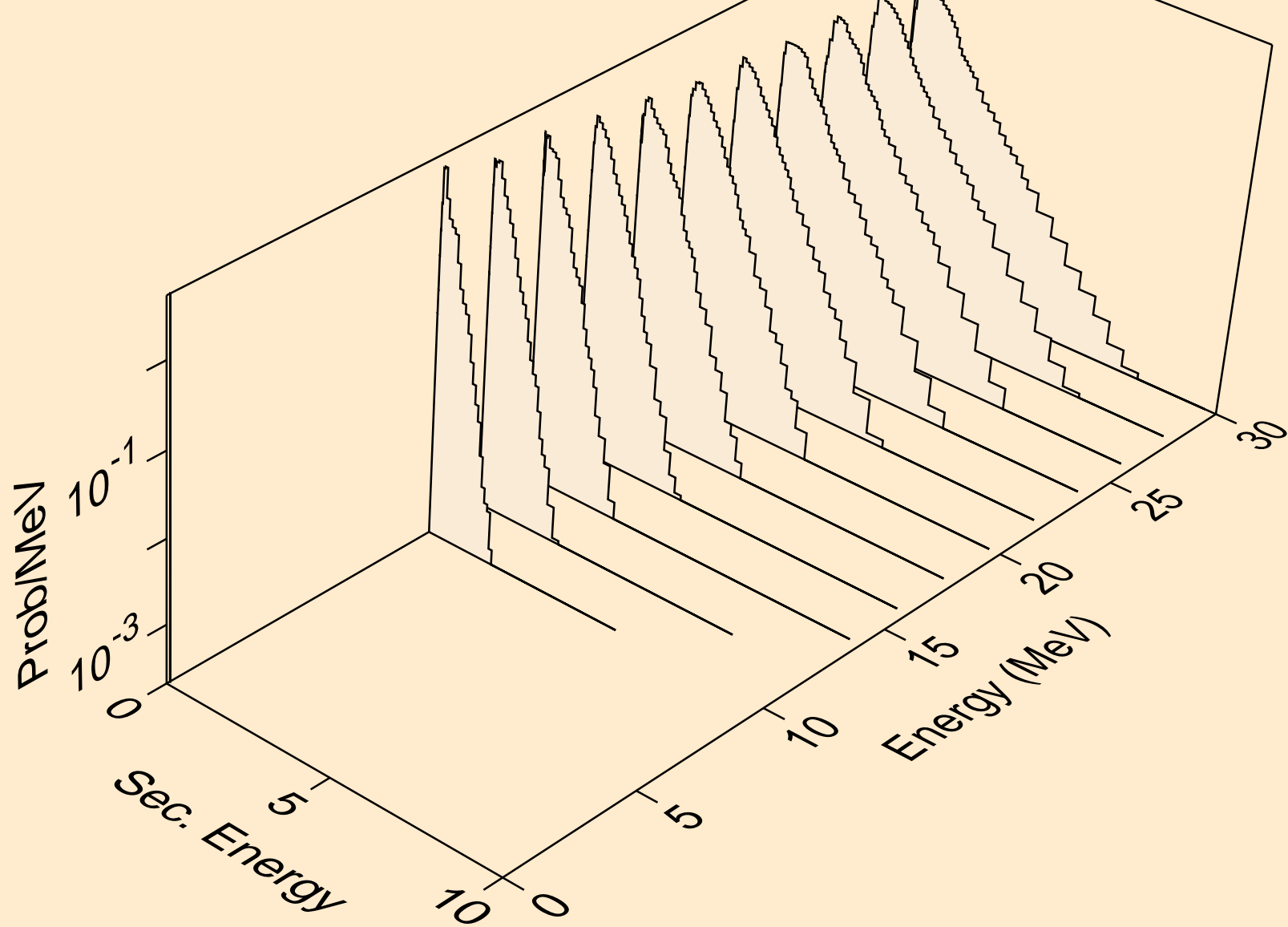
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)a



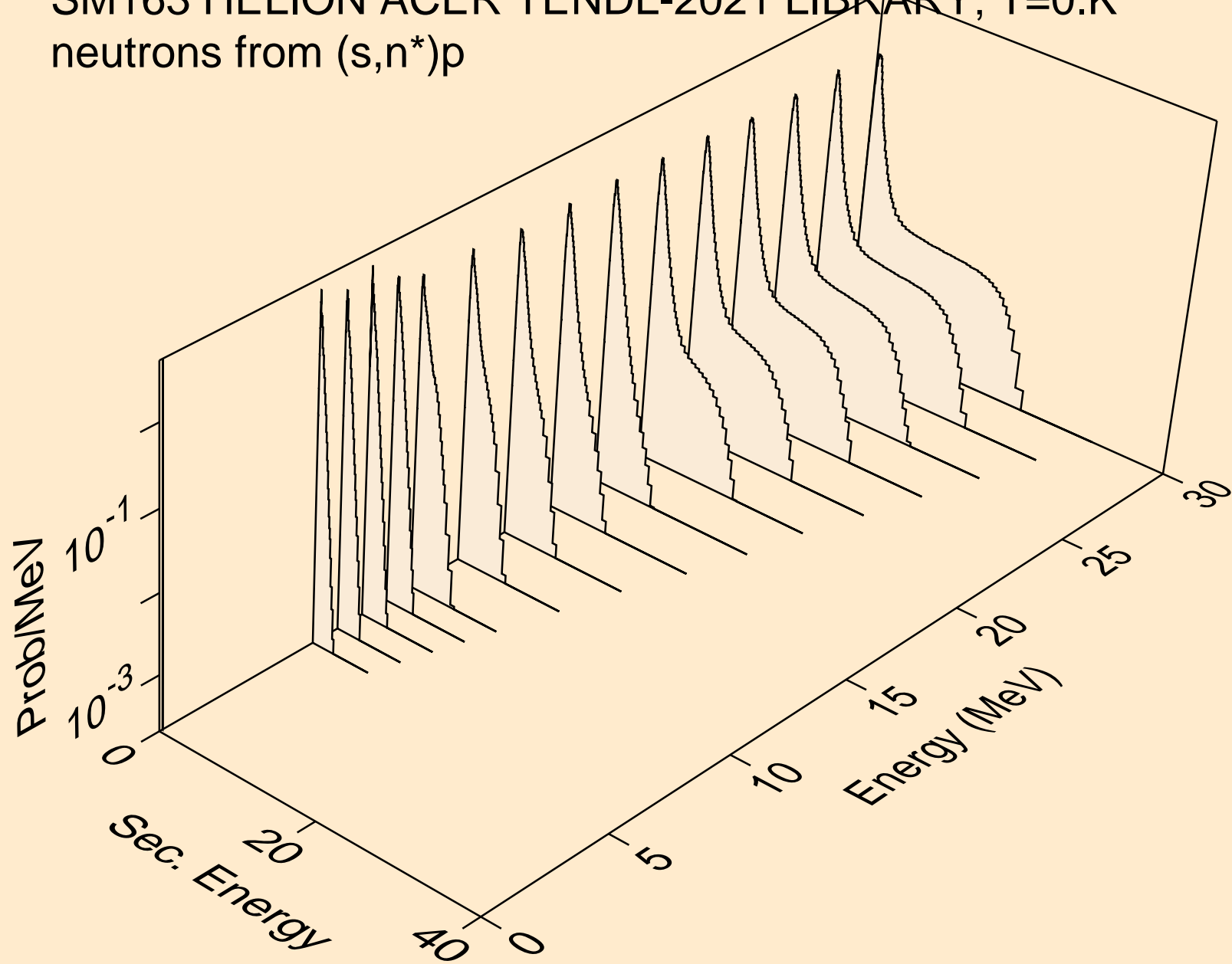
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2n)a



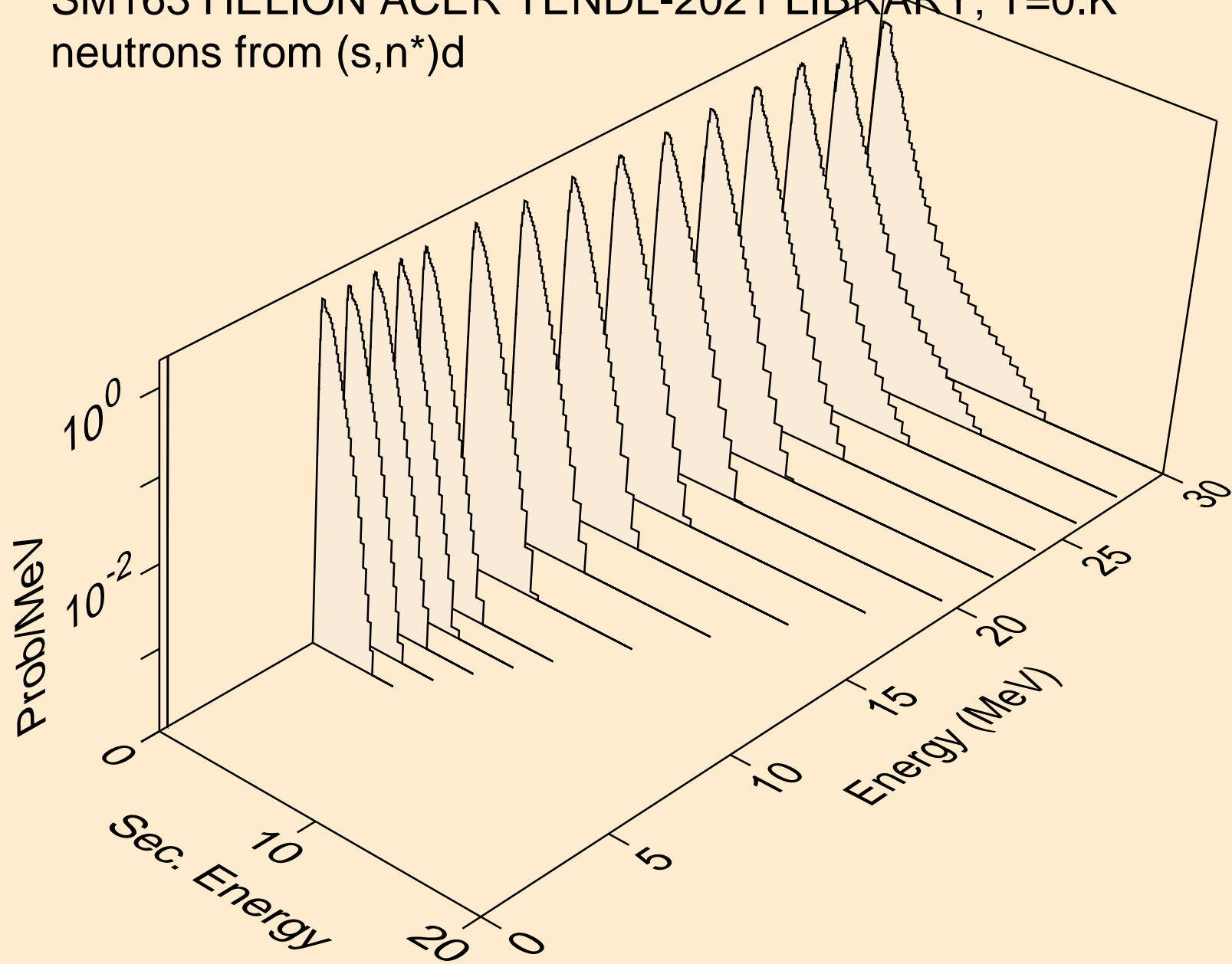
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,3n)a



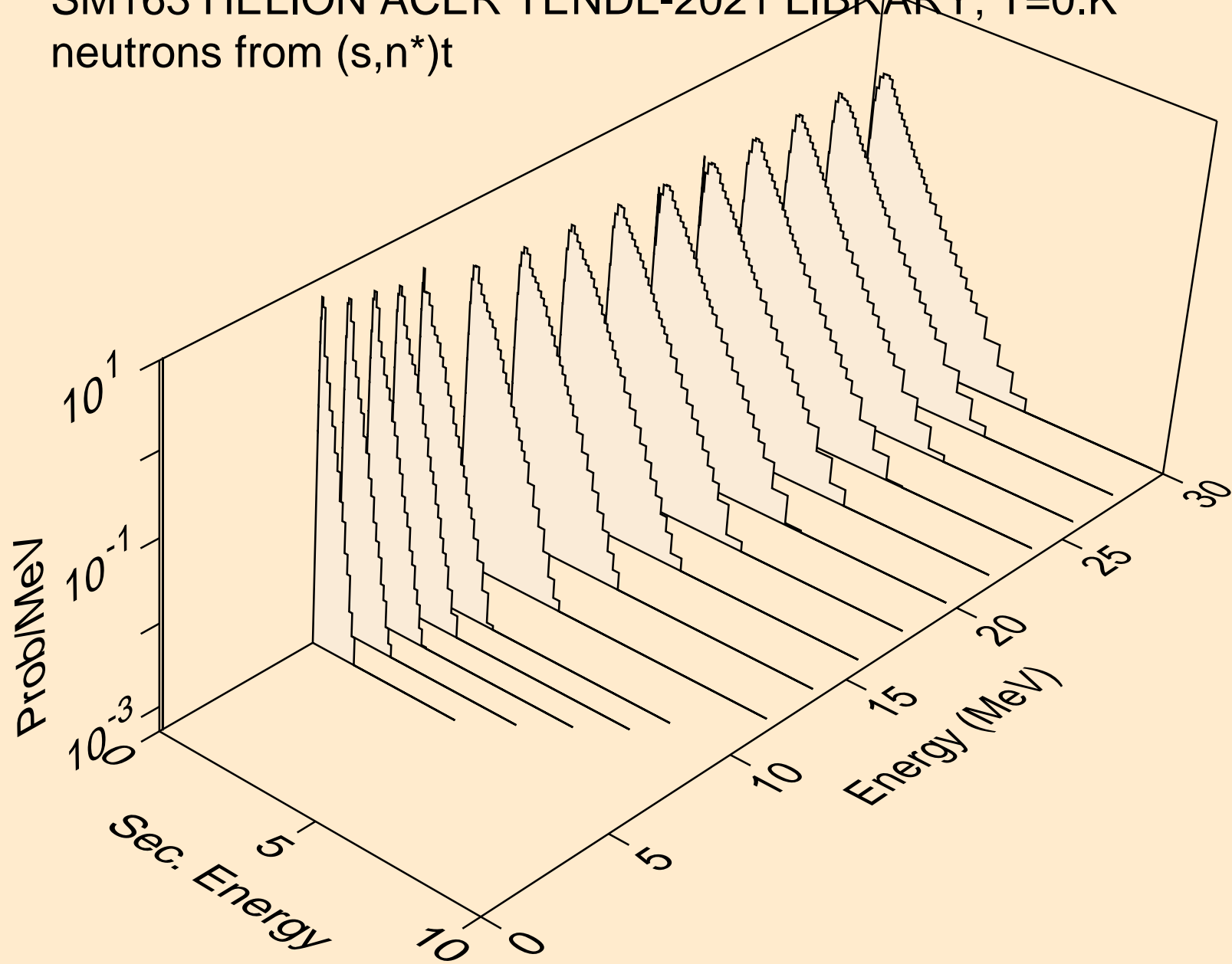
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)p



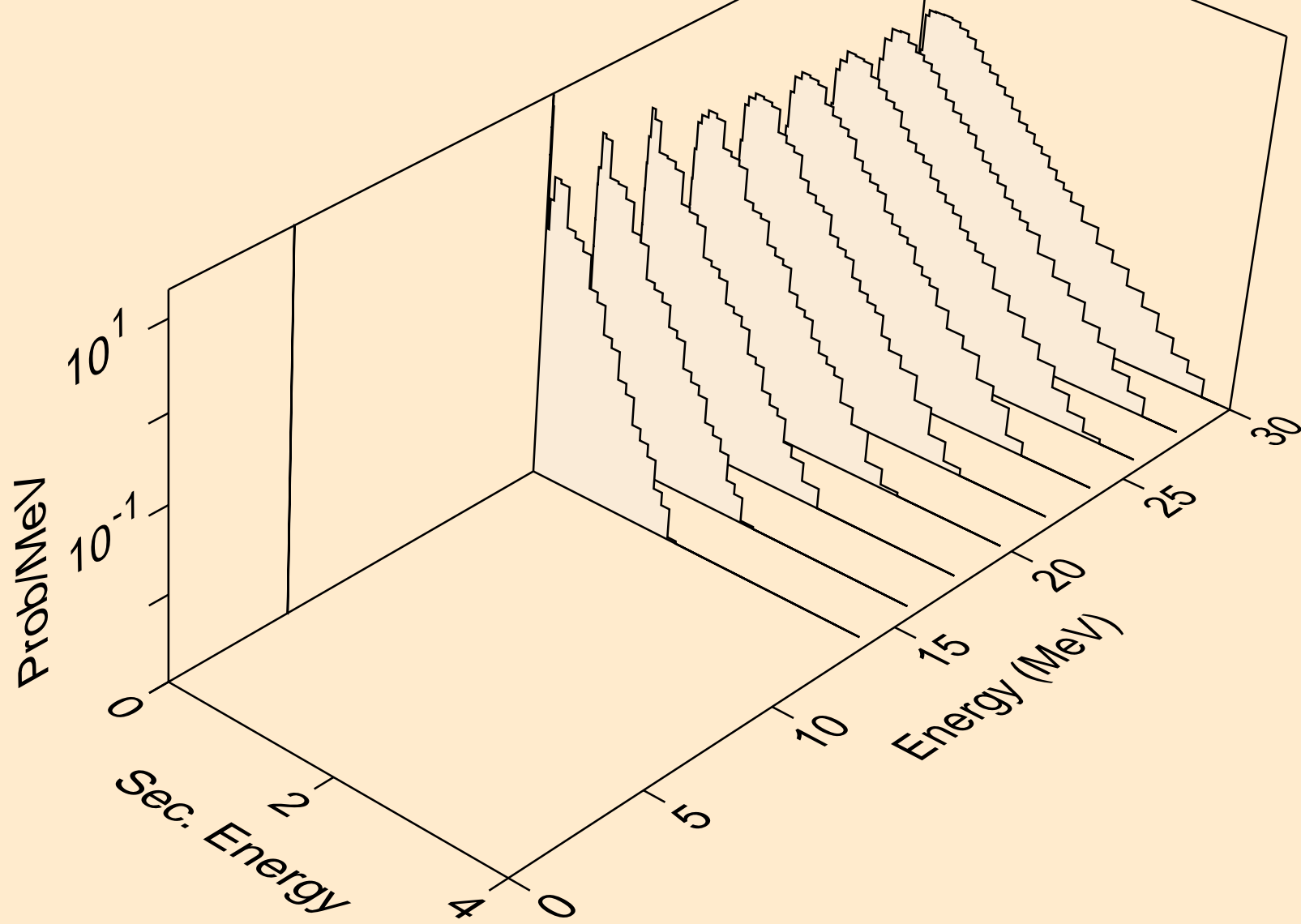
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)d



SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)t

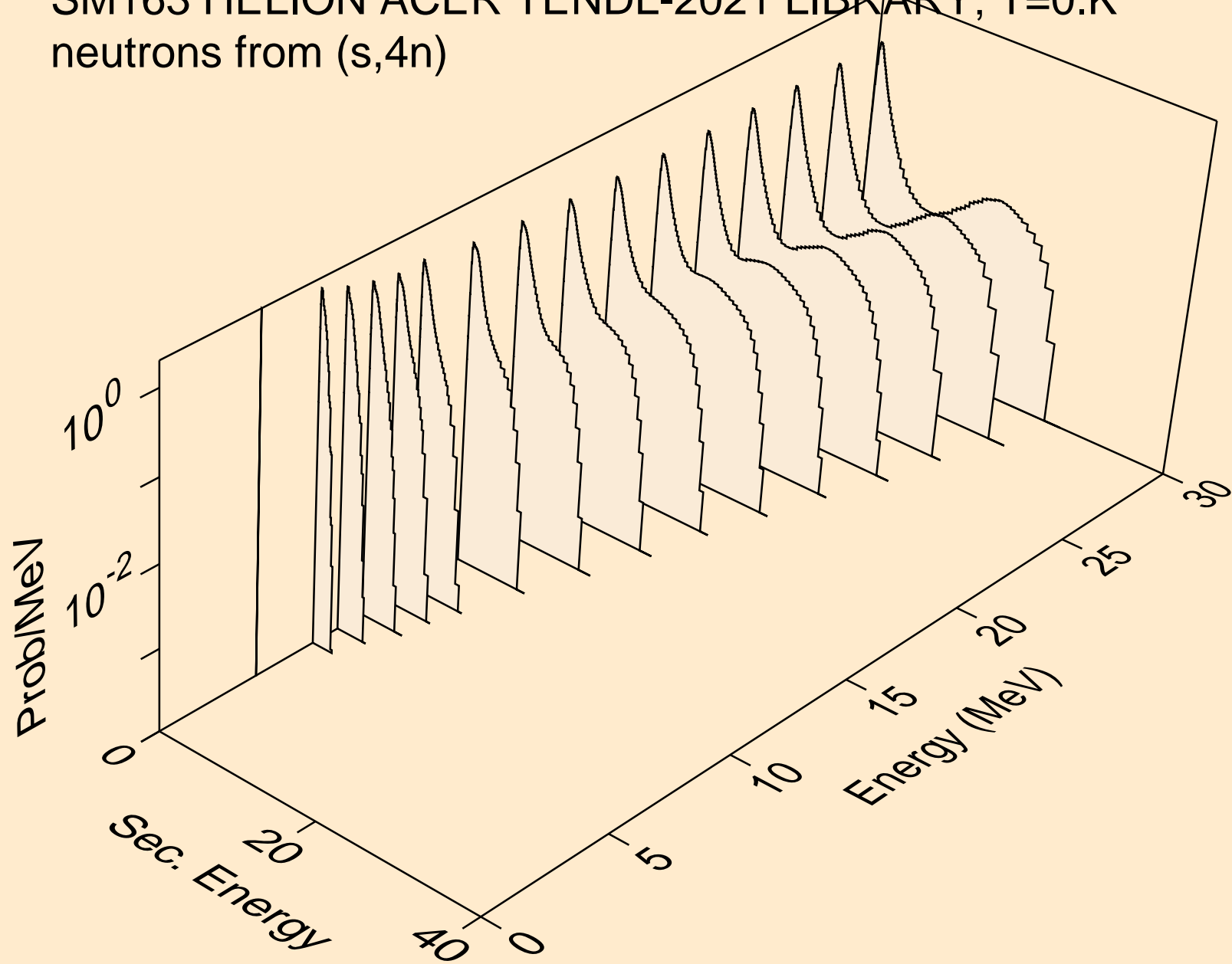


SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

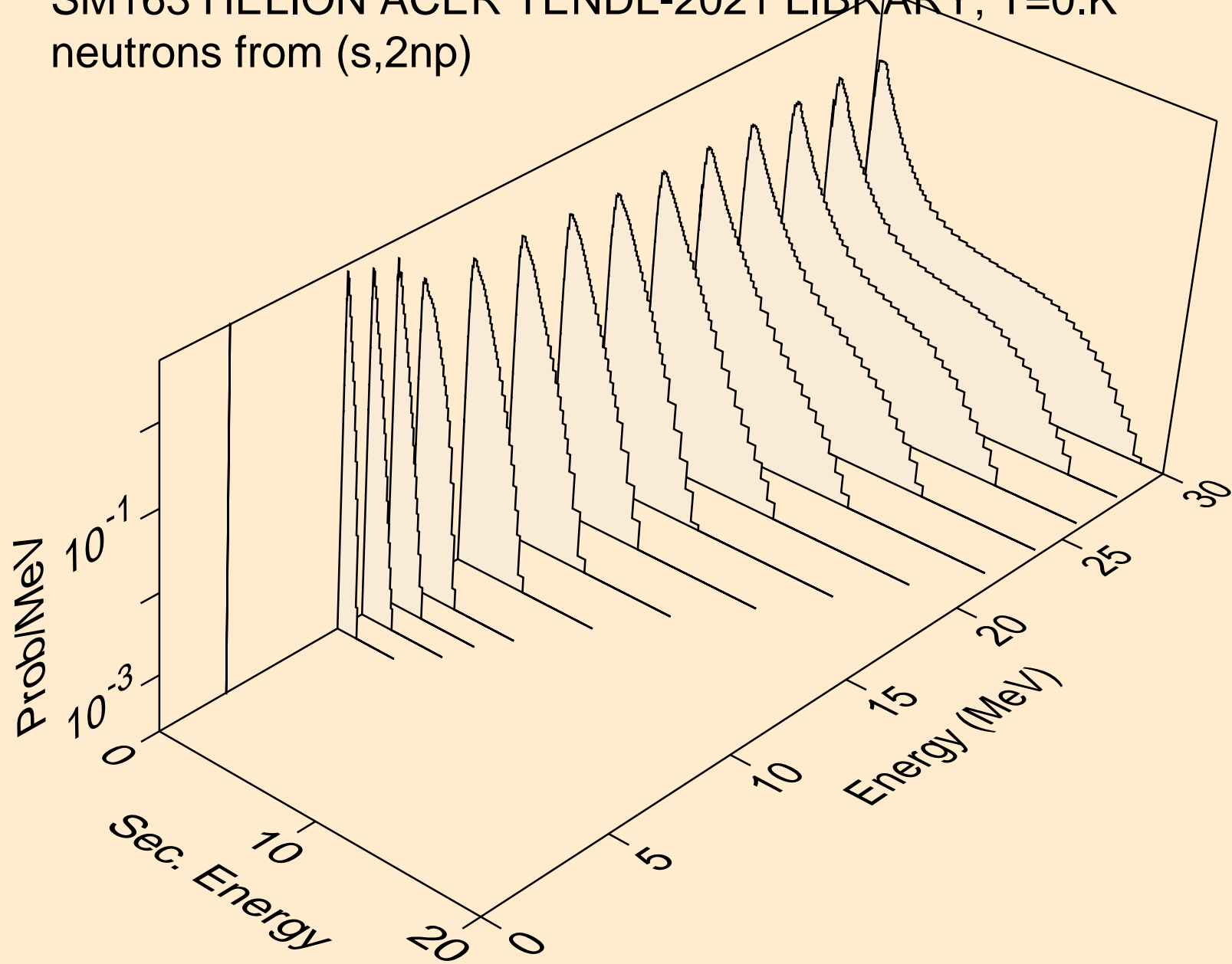




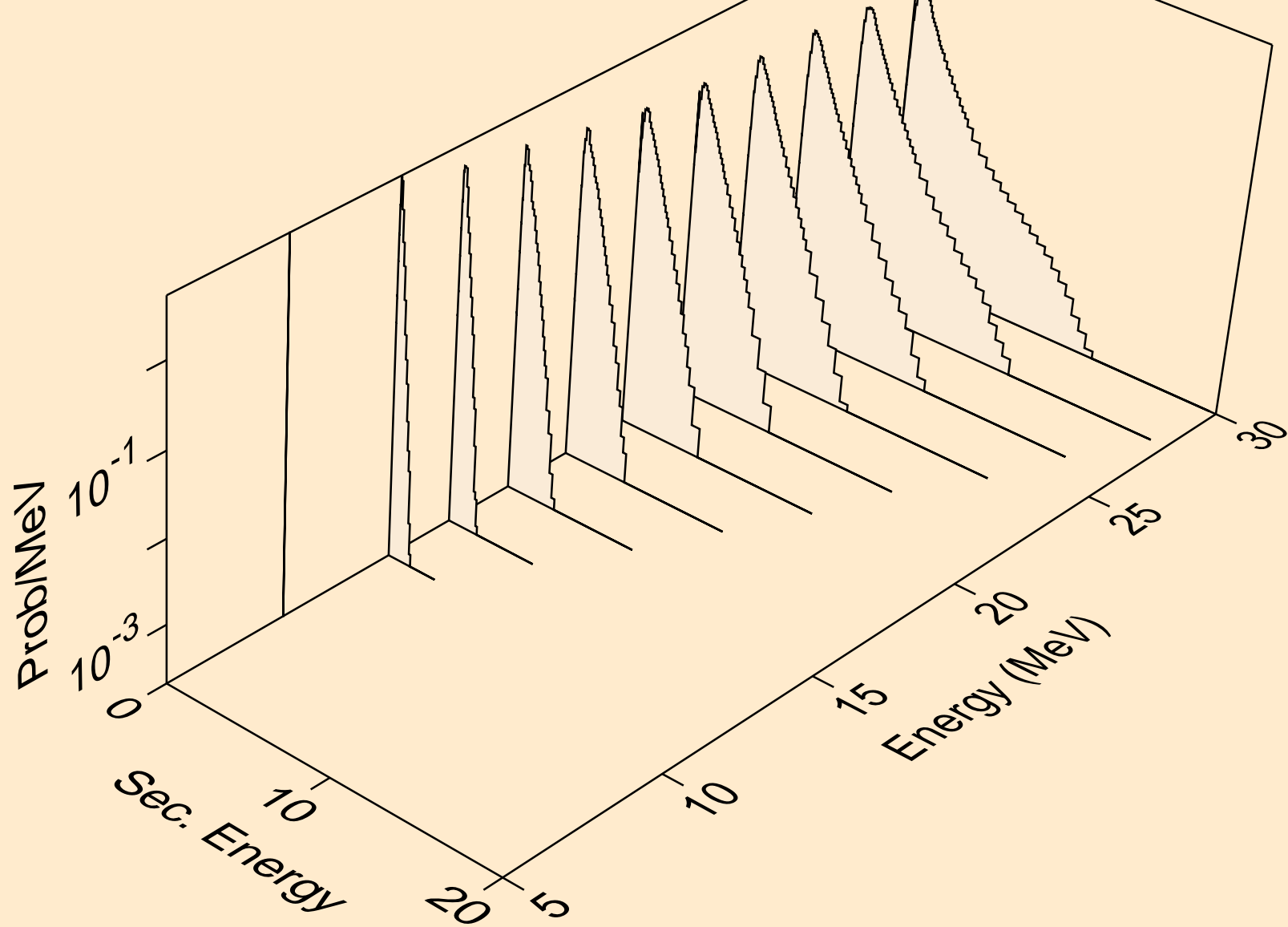
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,4n)



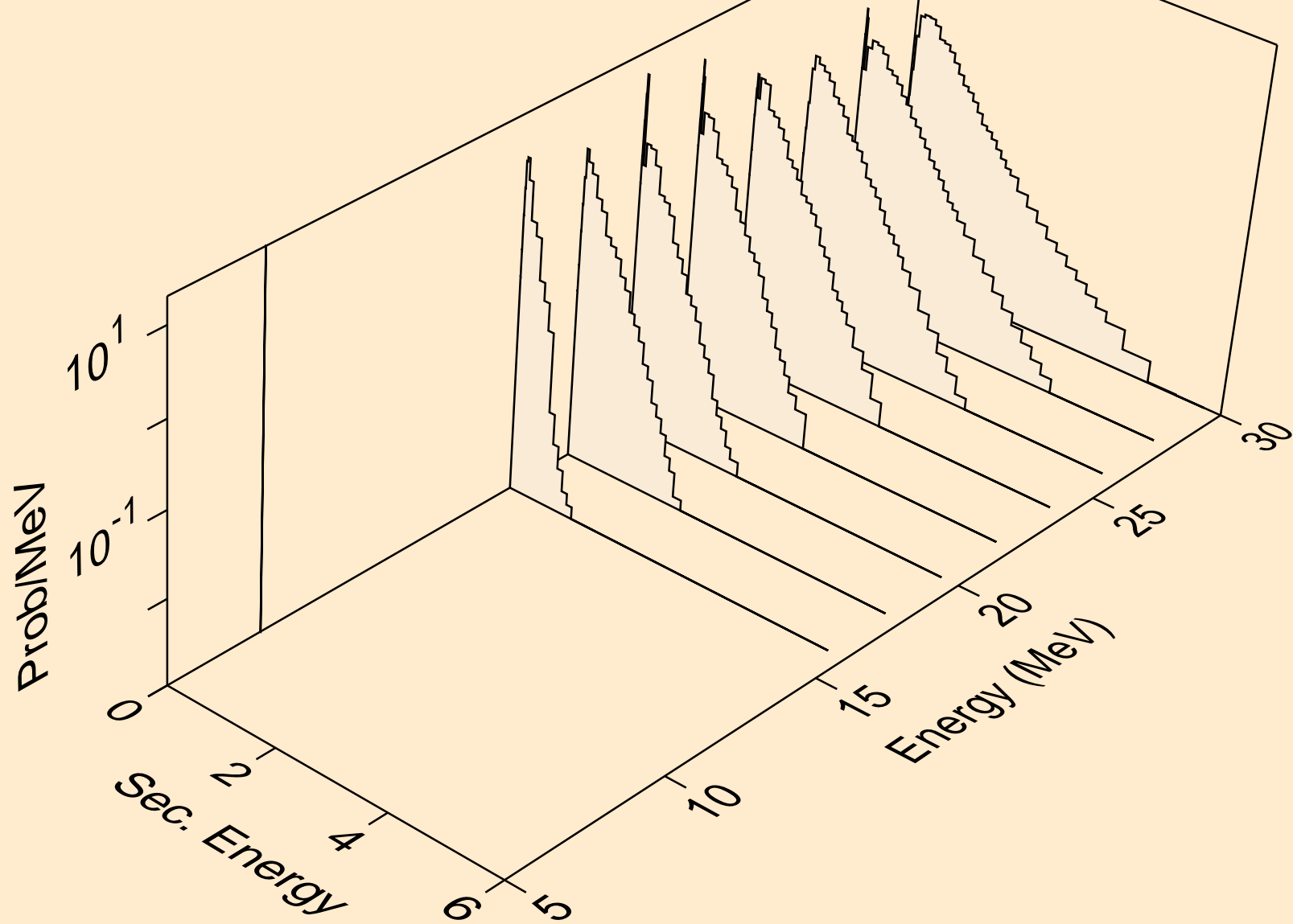
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2np)



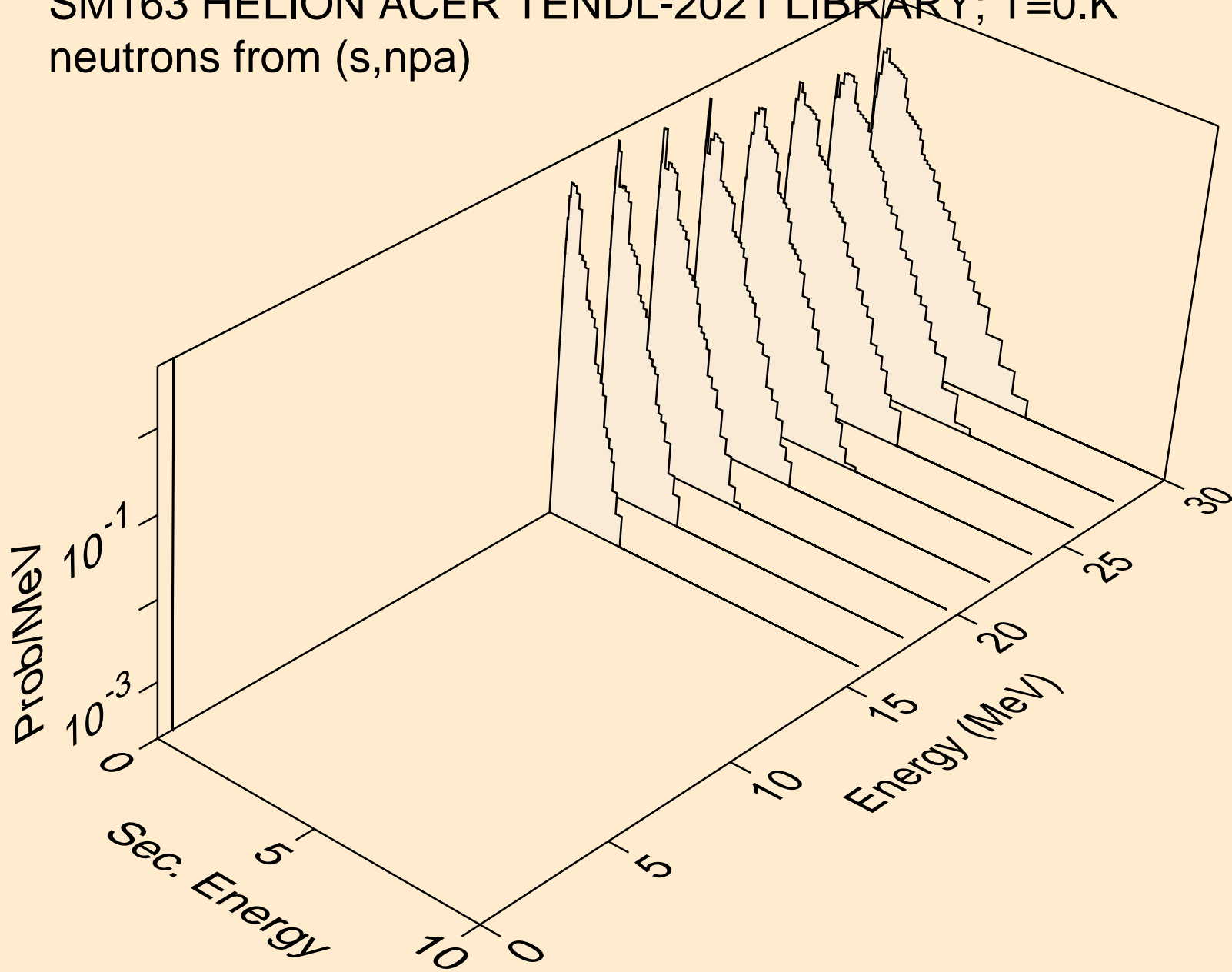
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,3np)



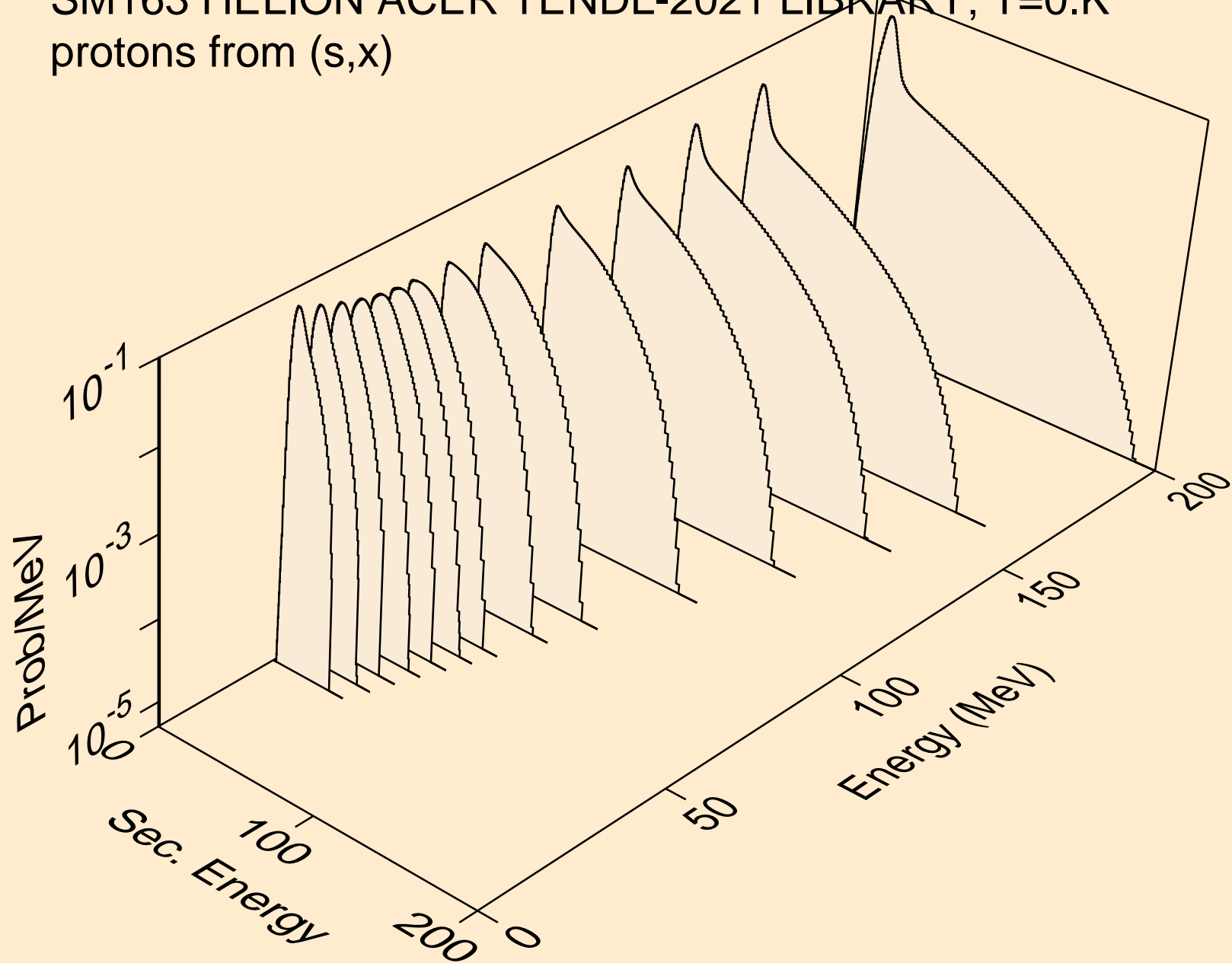
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2np)



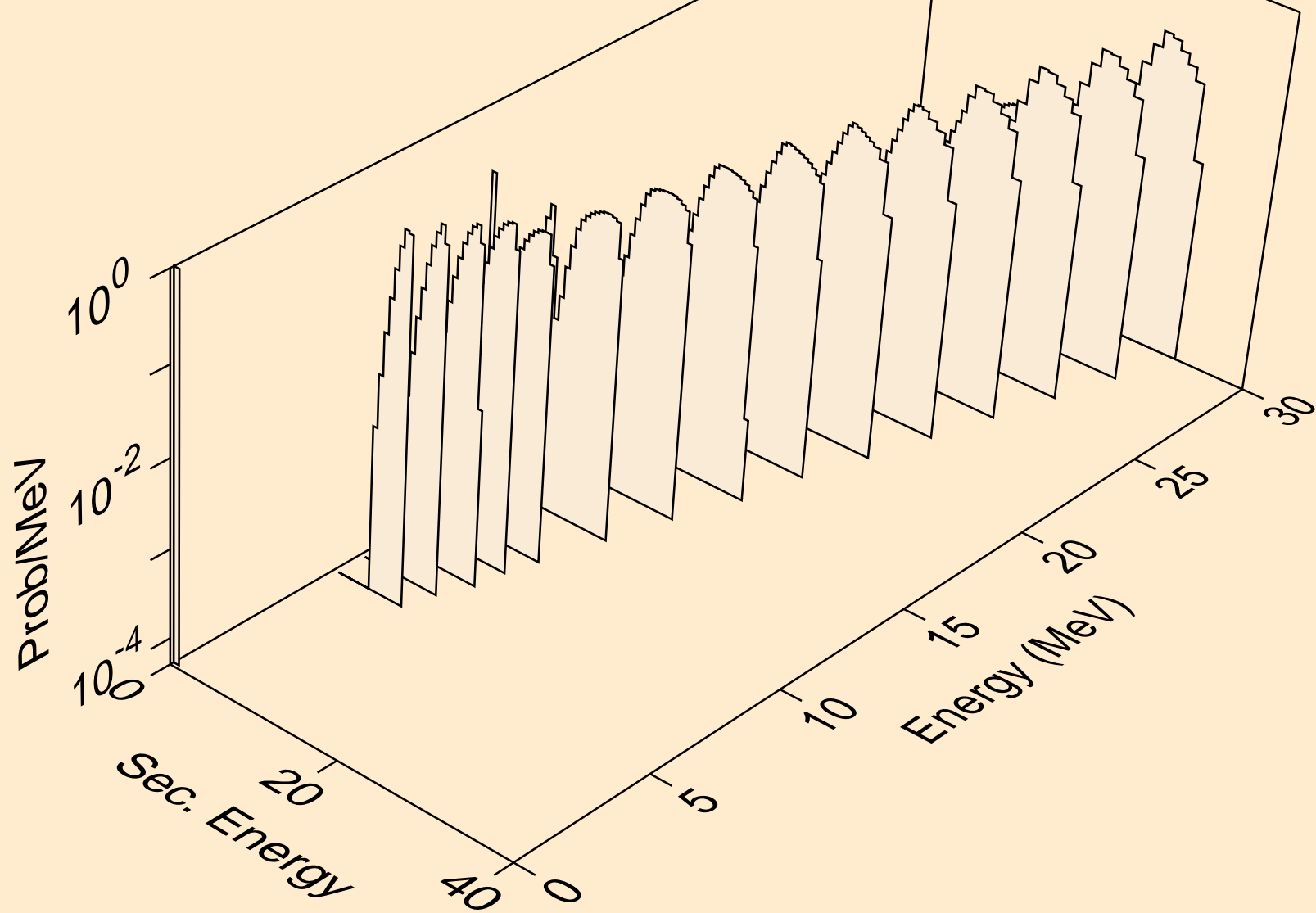
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,npa)



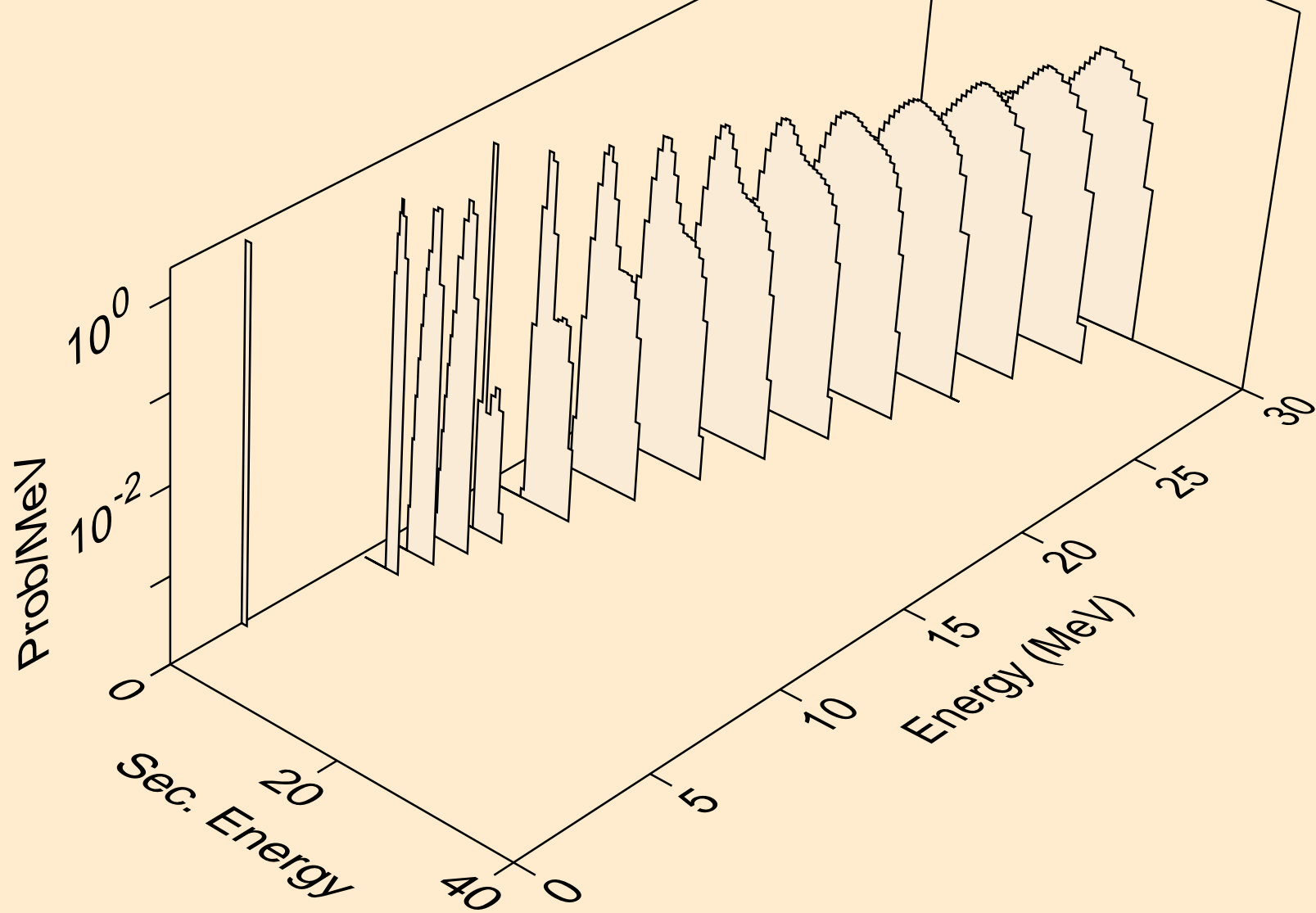
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,x)



SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,n\*)p

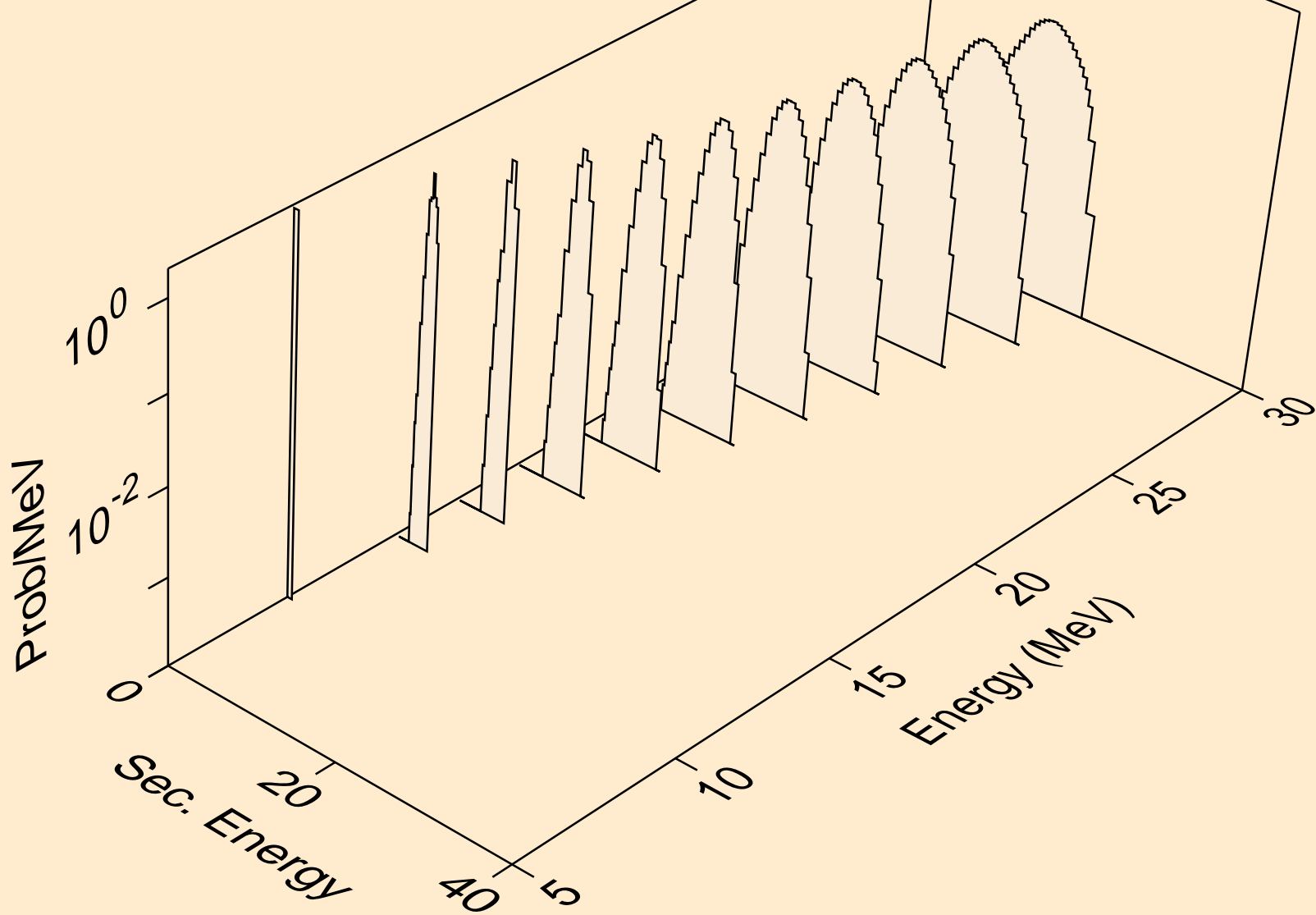


SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,2np)

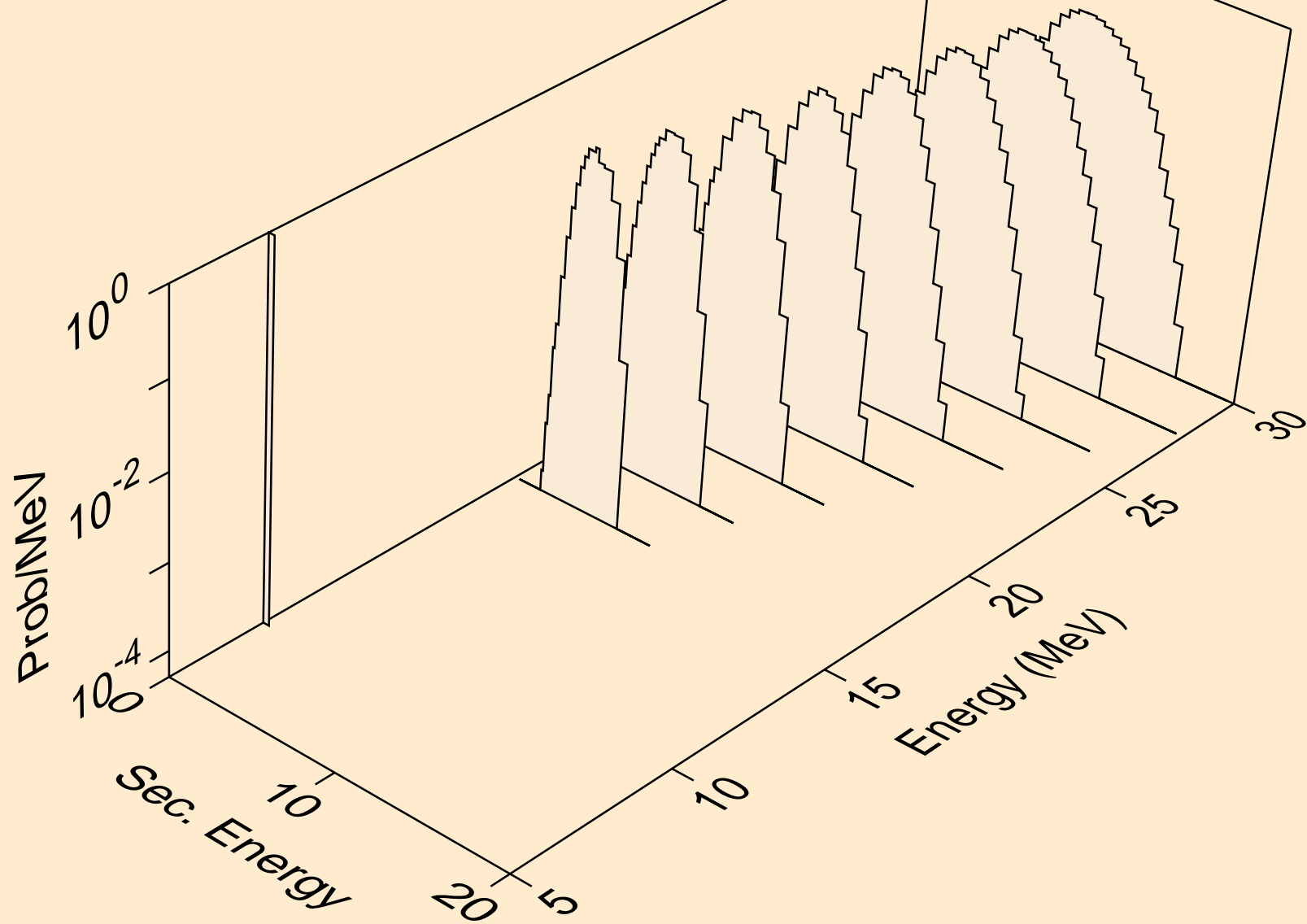




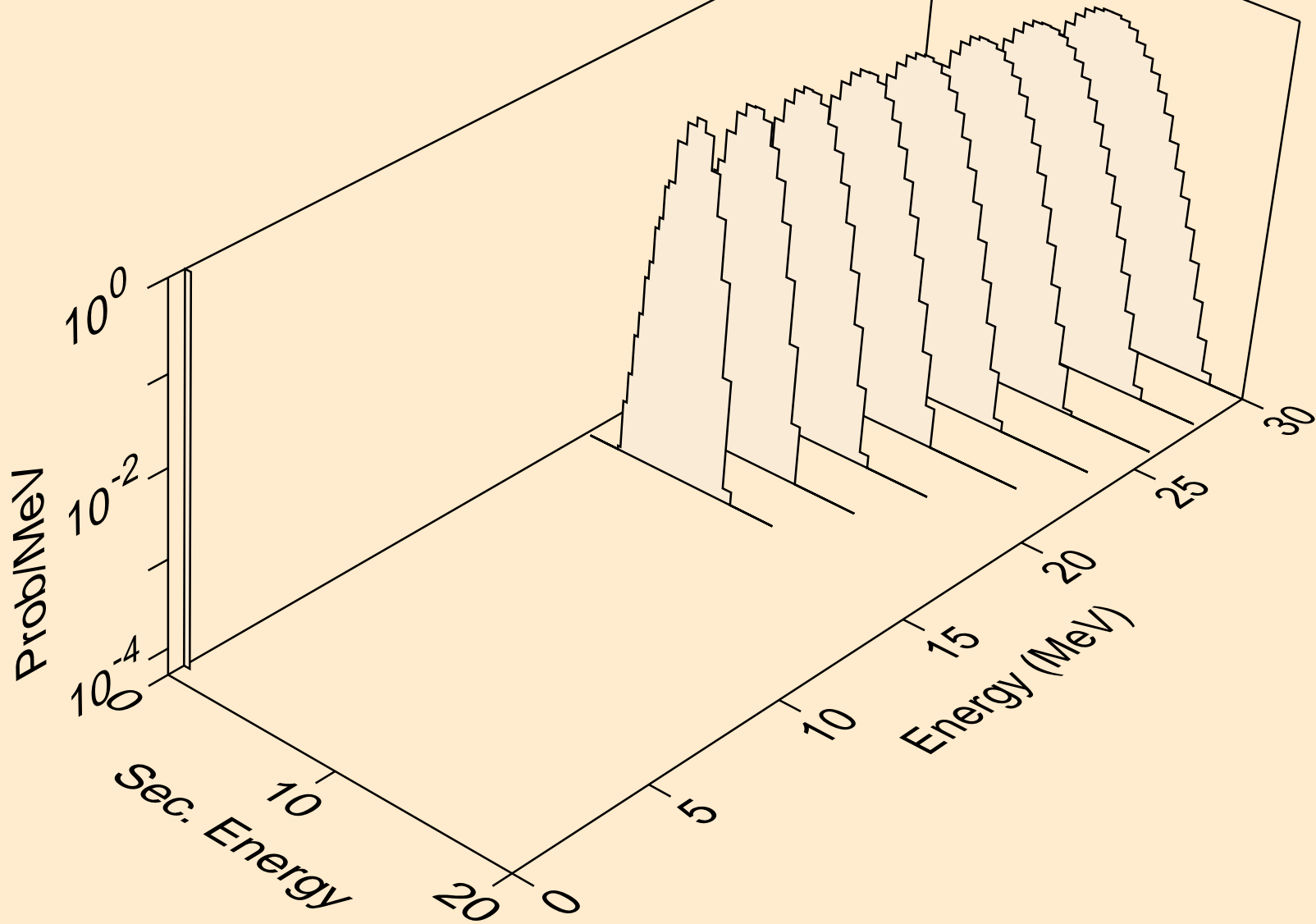
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protons from (s,3np)



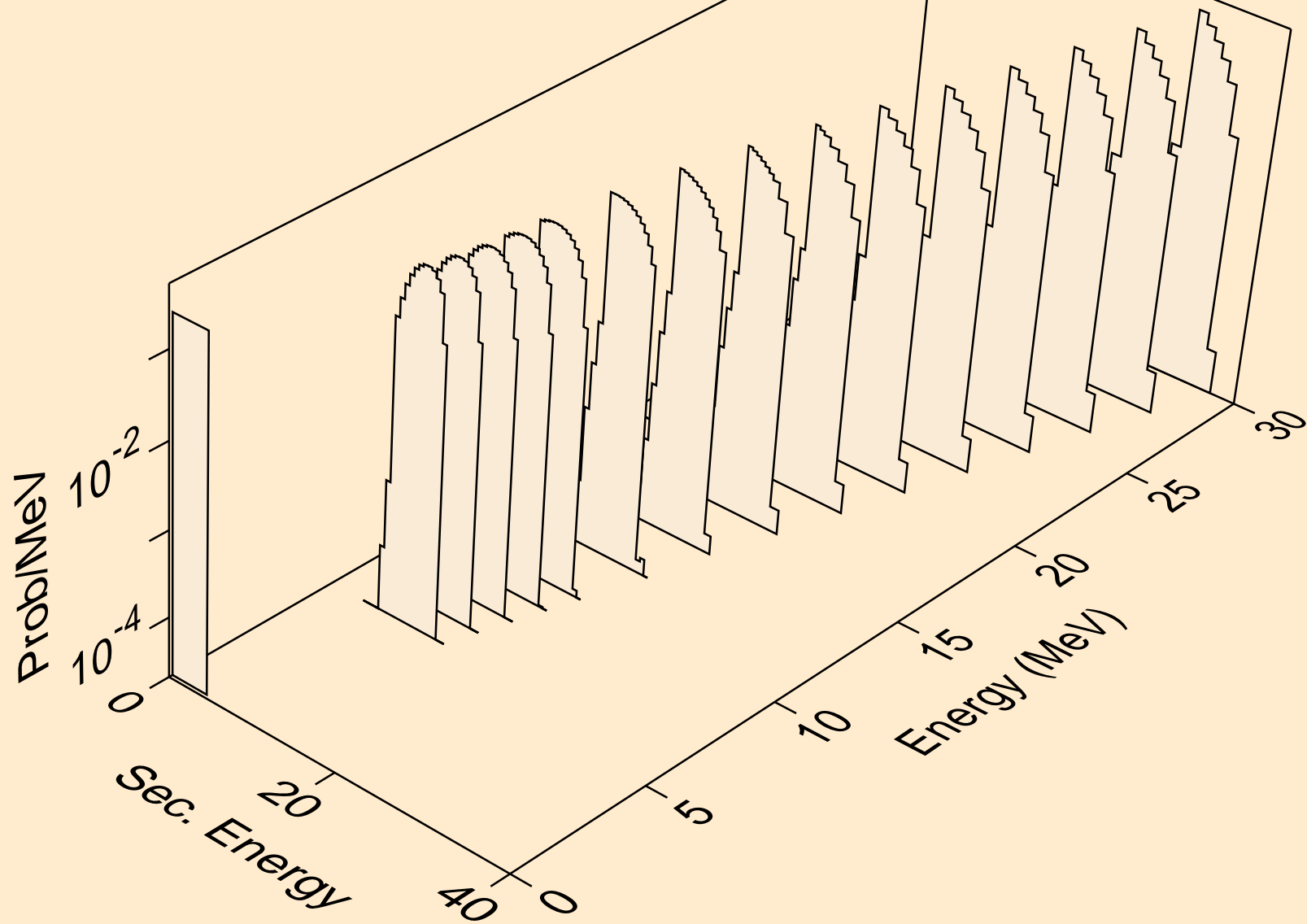
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protons from (s,2np)



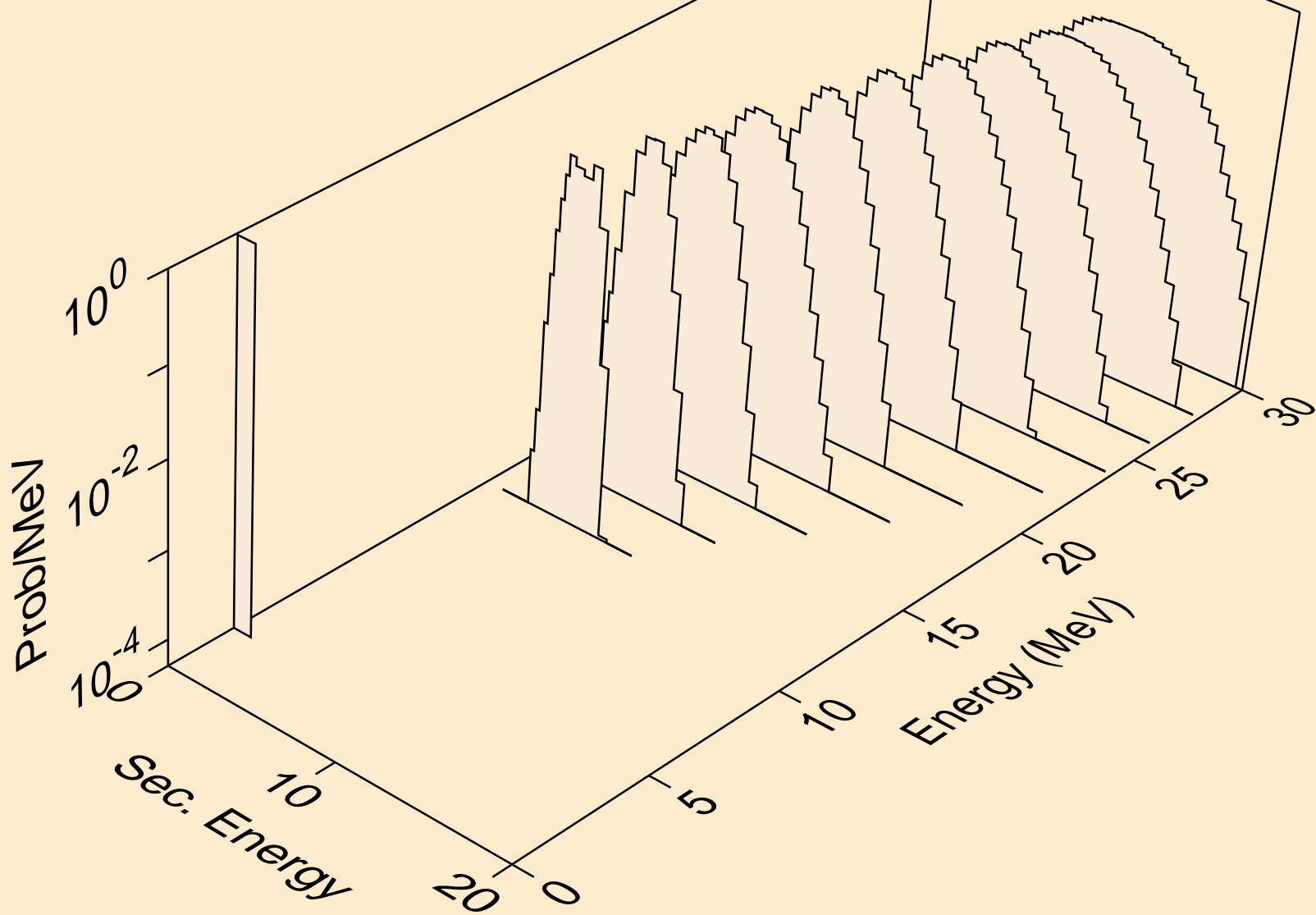
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,npa)



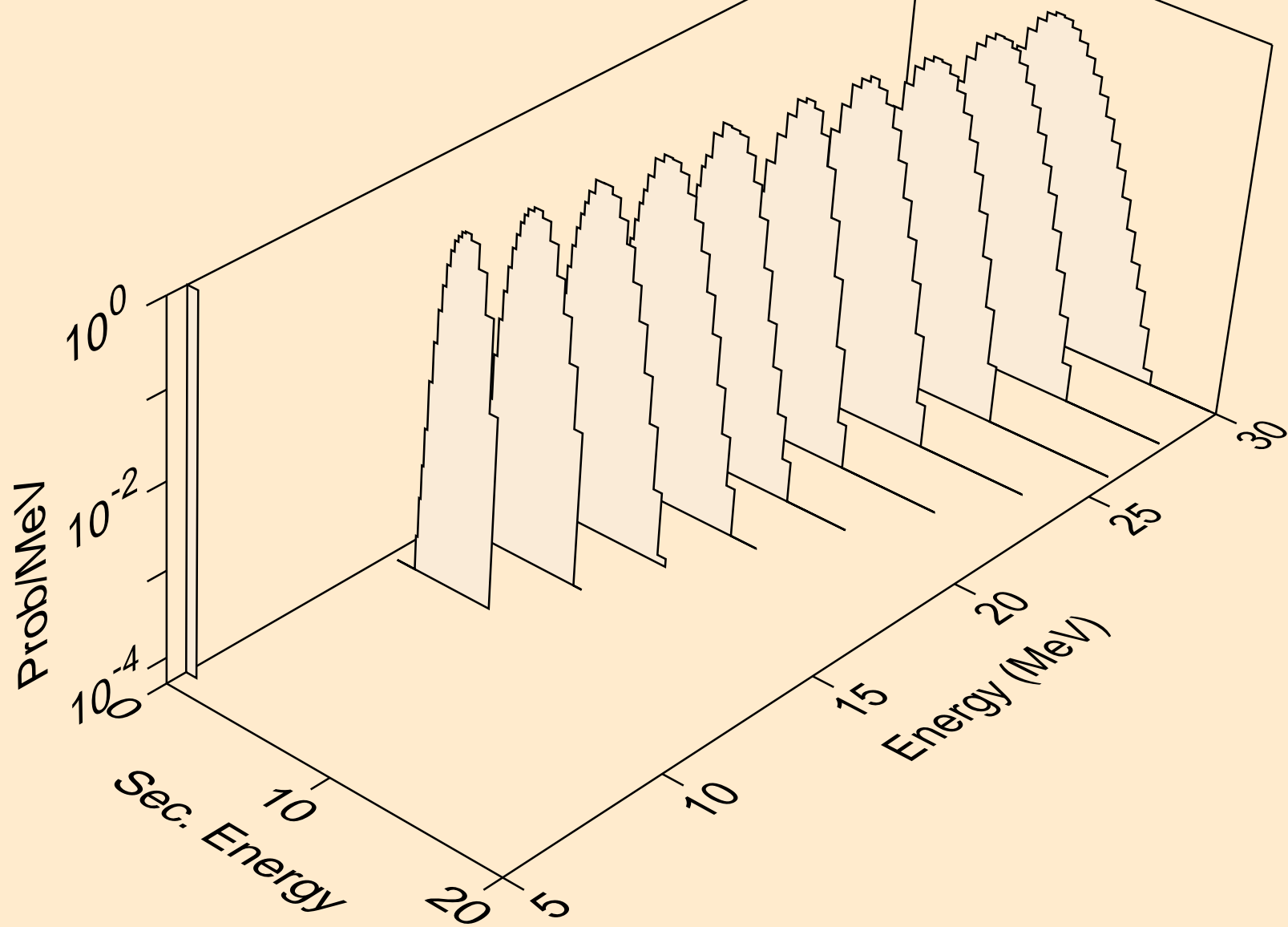
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,p)



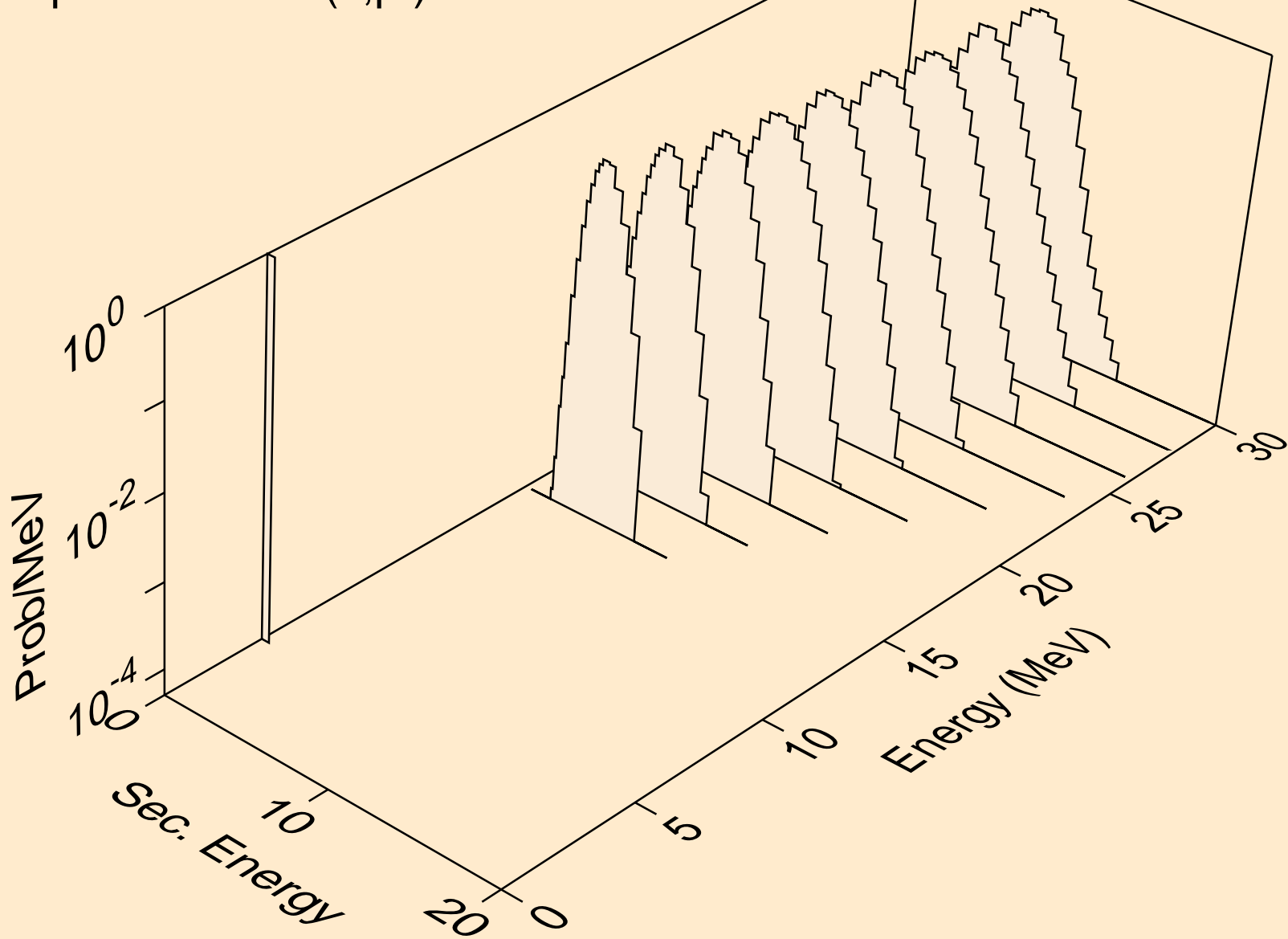
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protons from (s,2p)



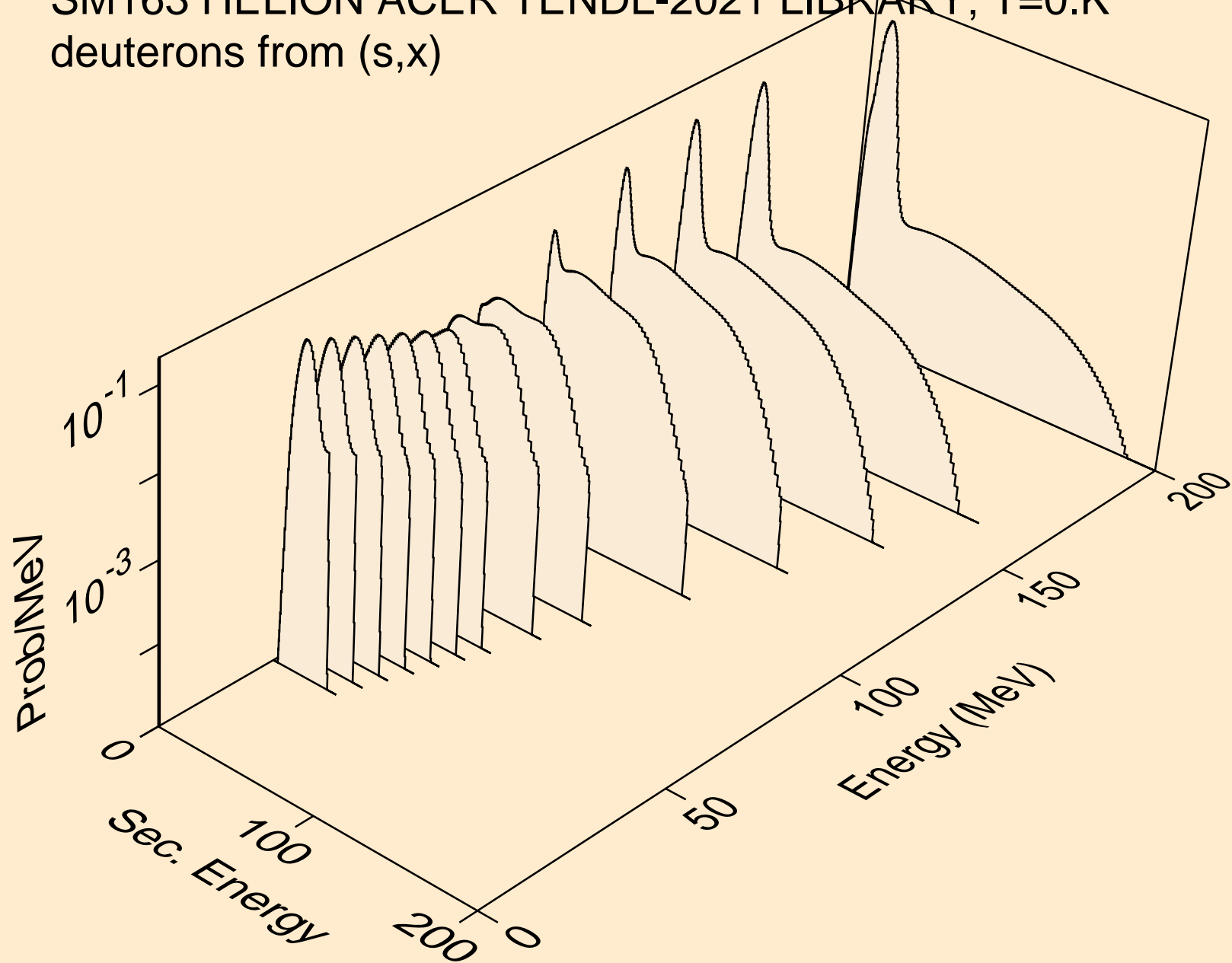
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,pd)



SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,pt)

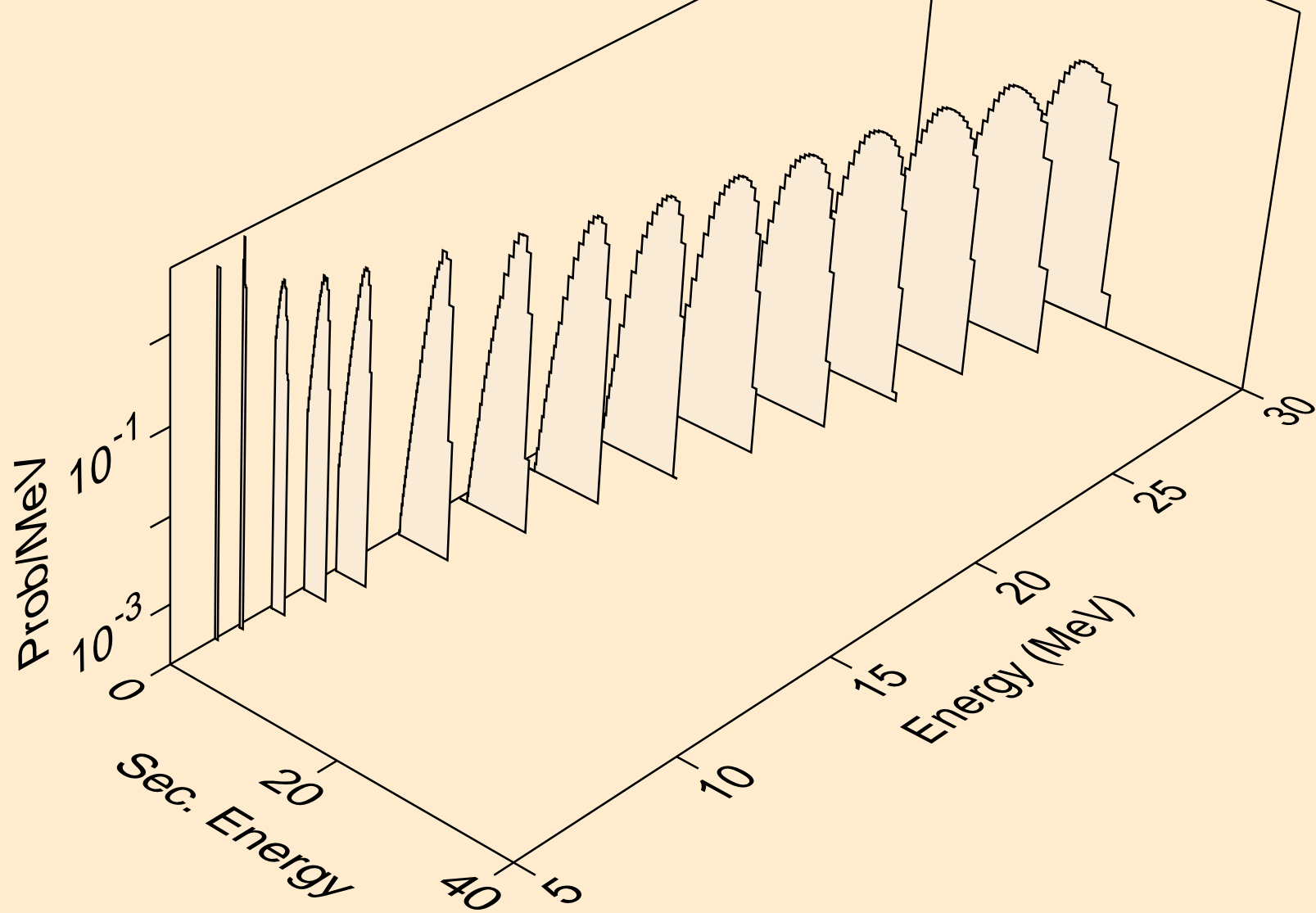


SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,x)

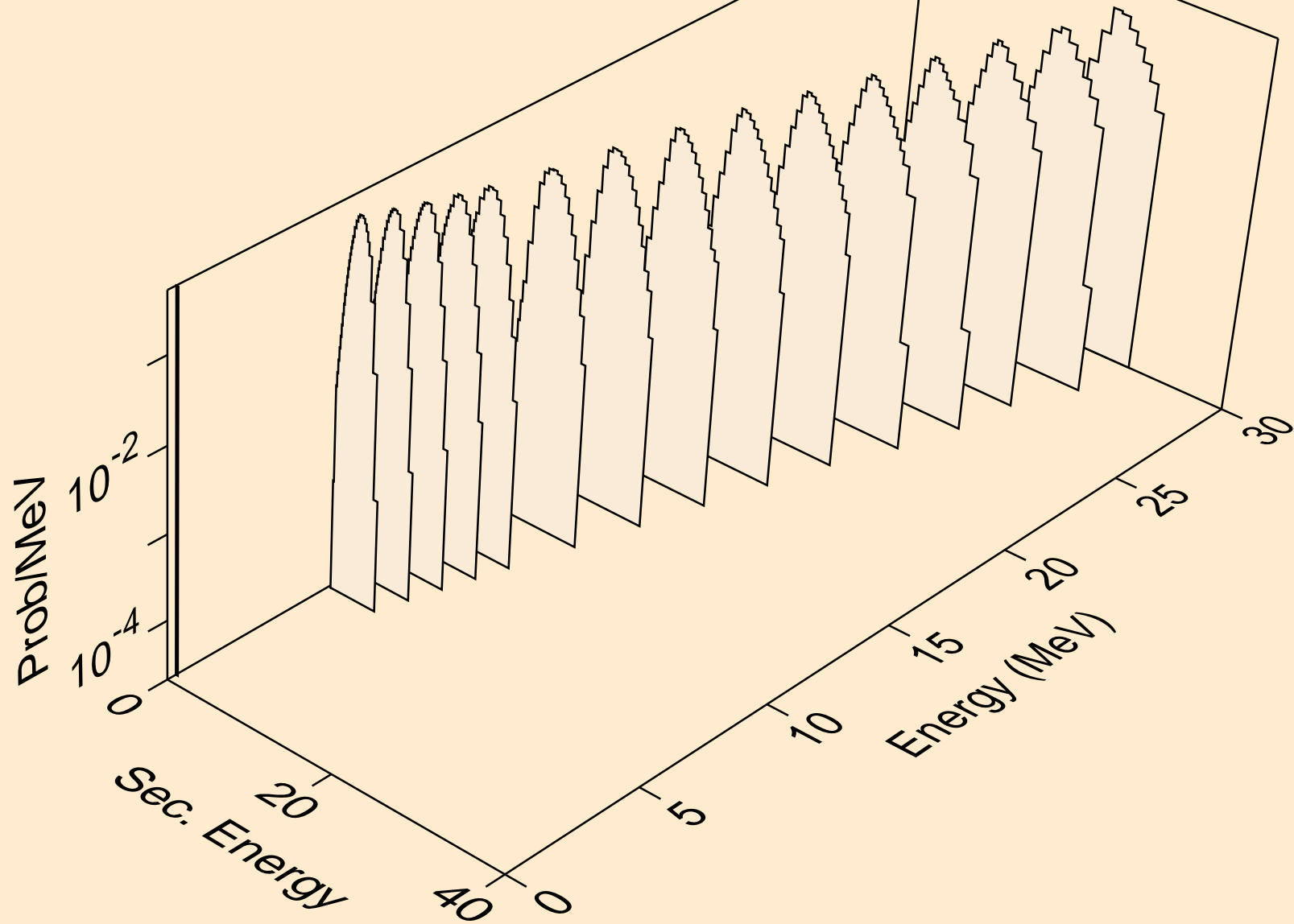




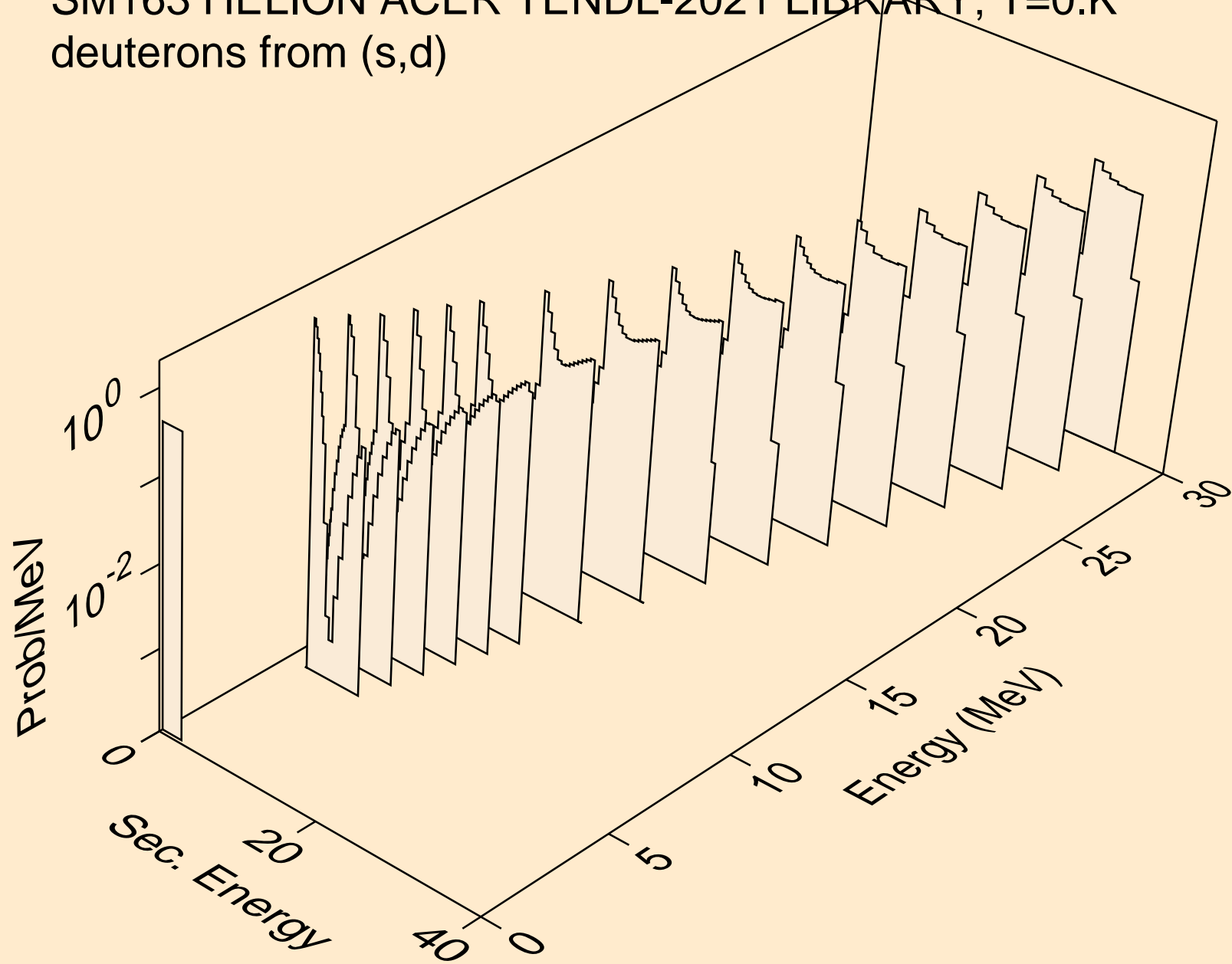
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deuterons from (s,2nd)



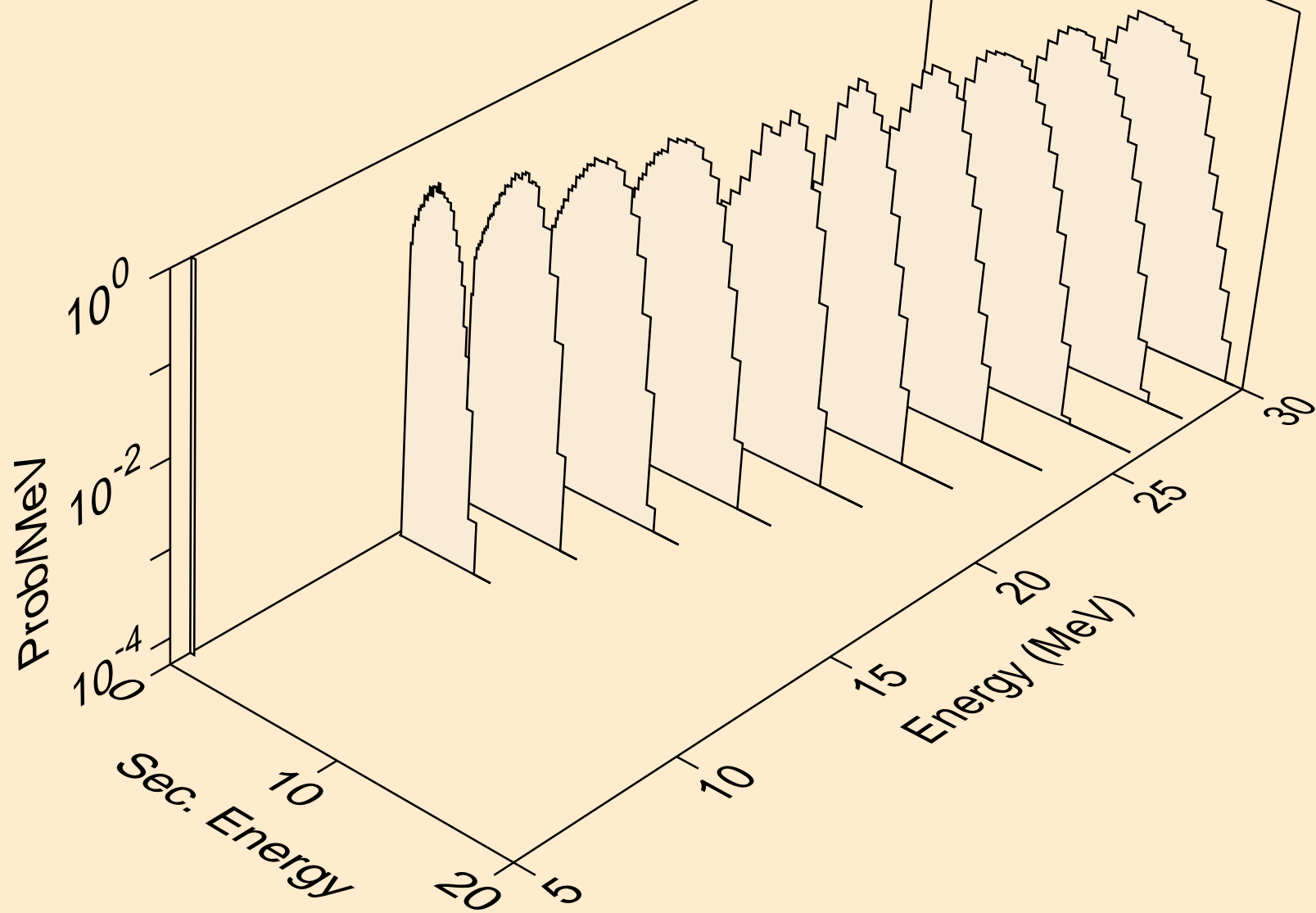
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
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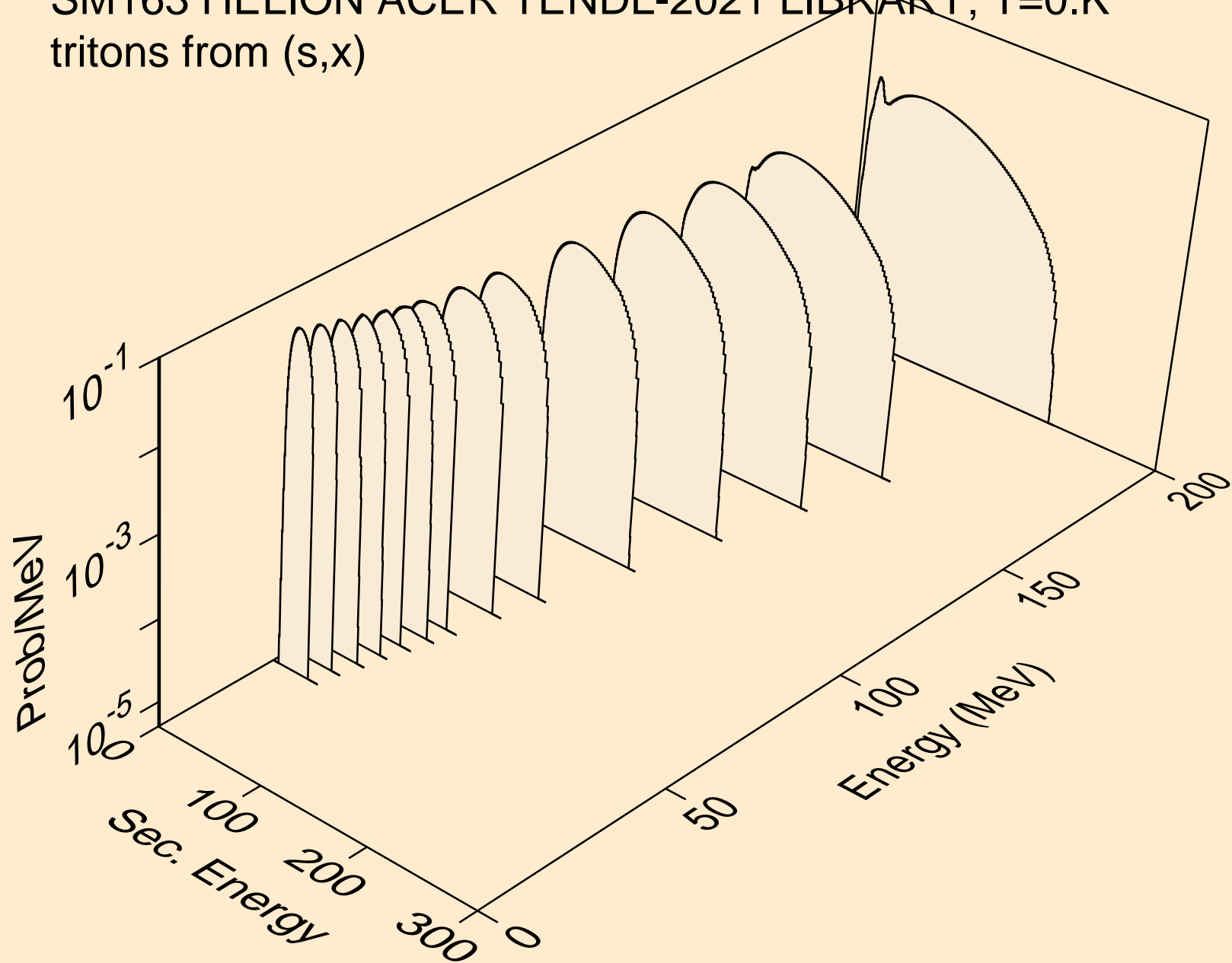
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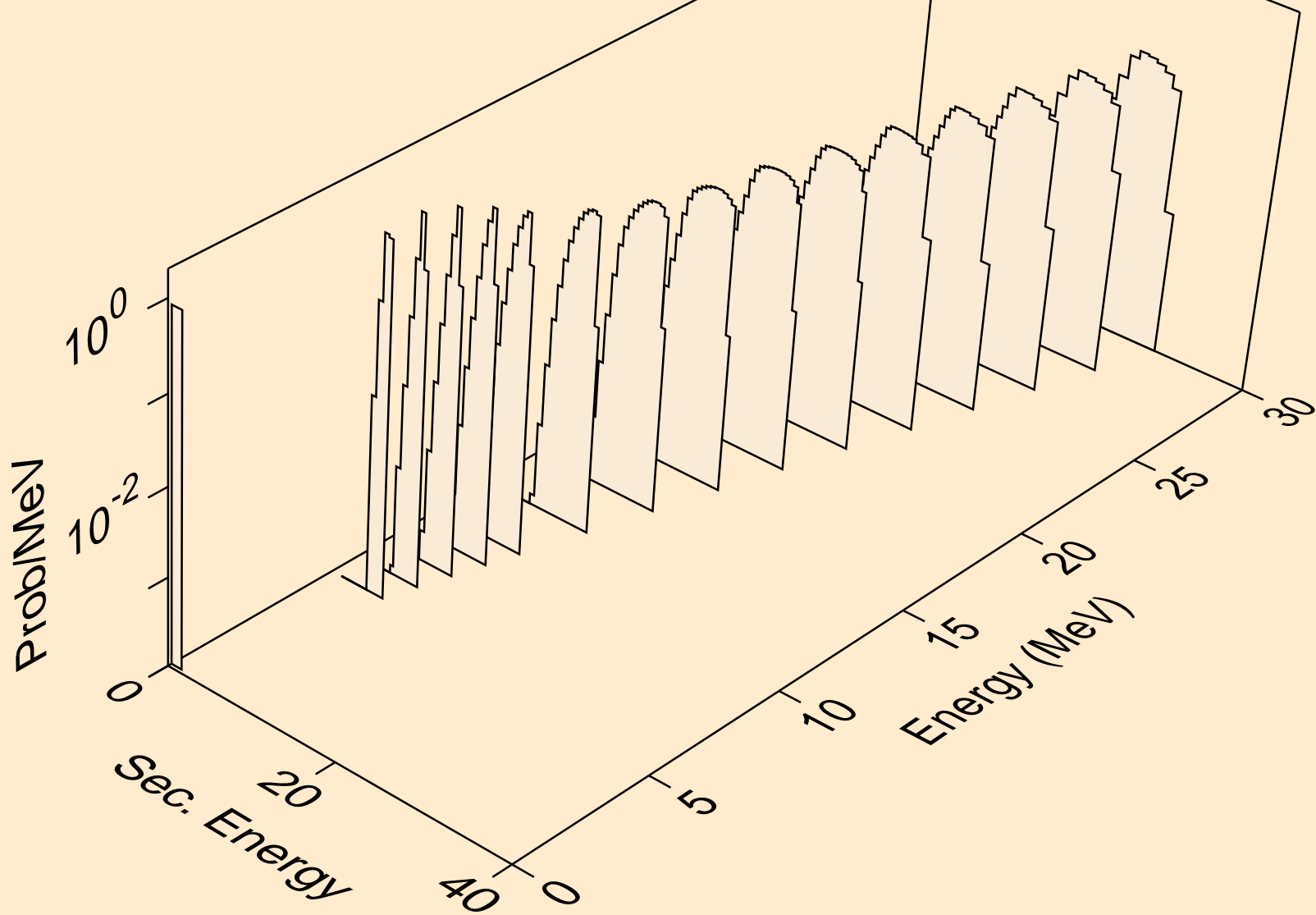
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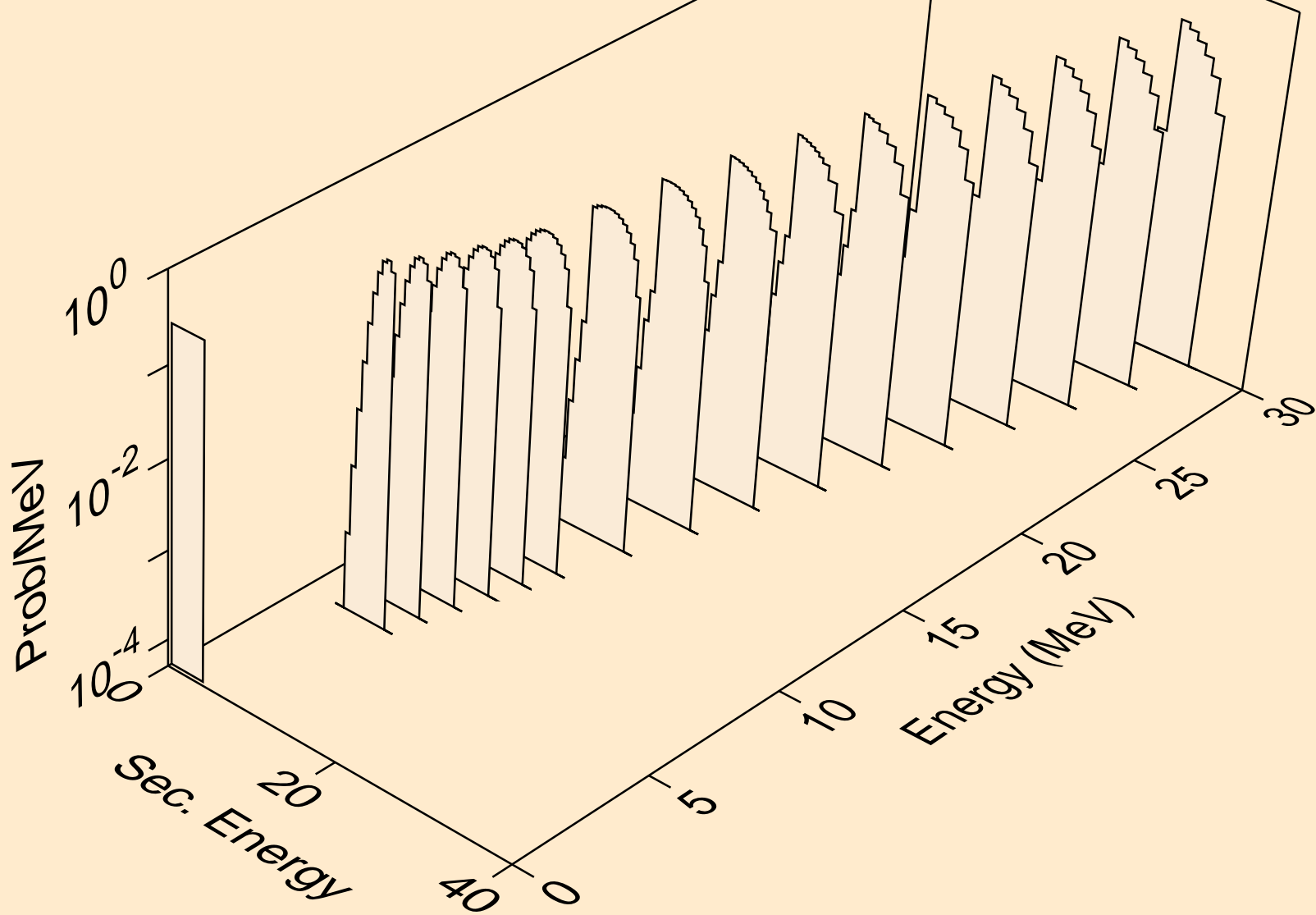
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tritons from (s,x)



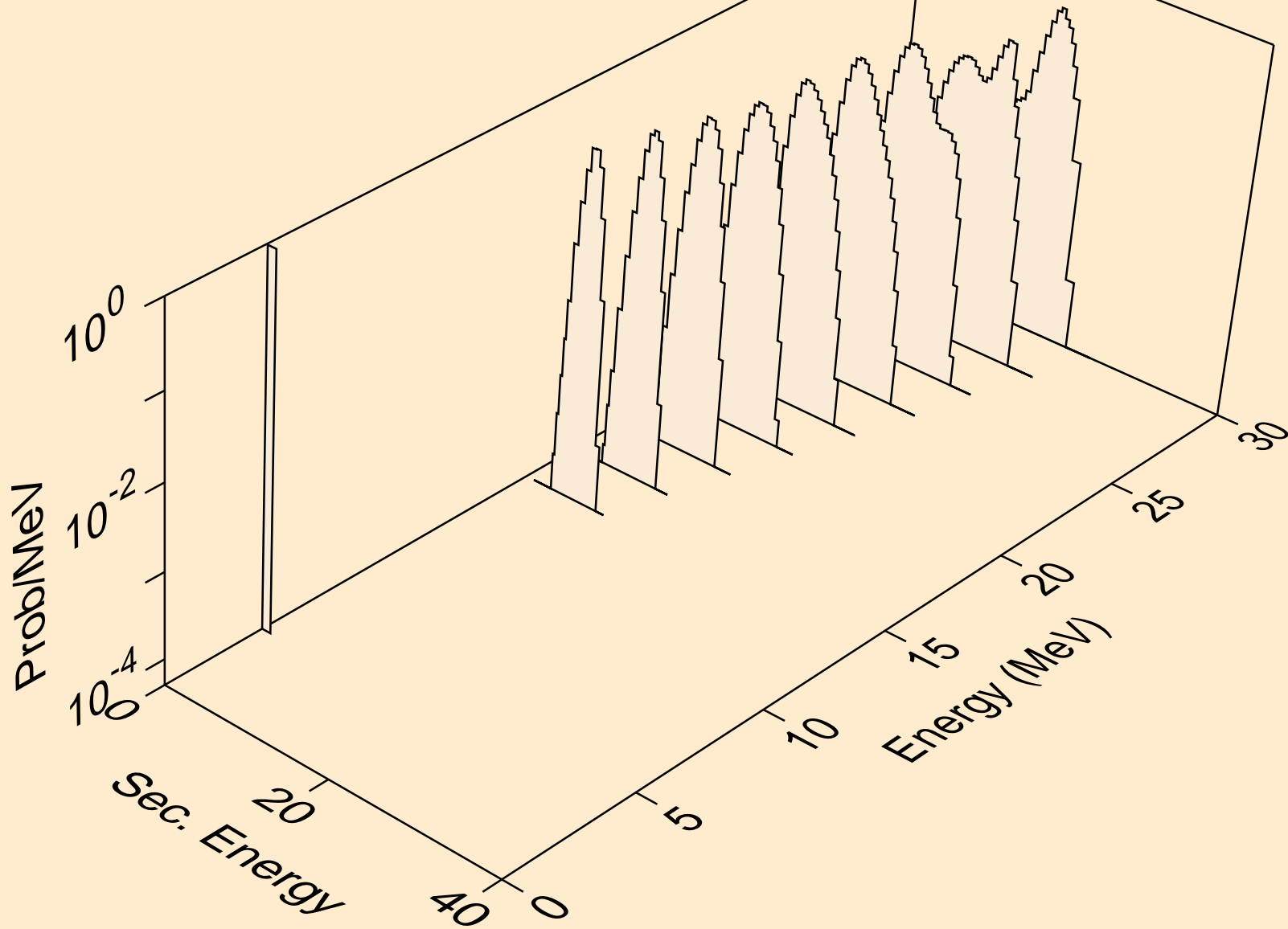
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,n\*)t



SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,t)

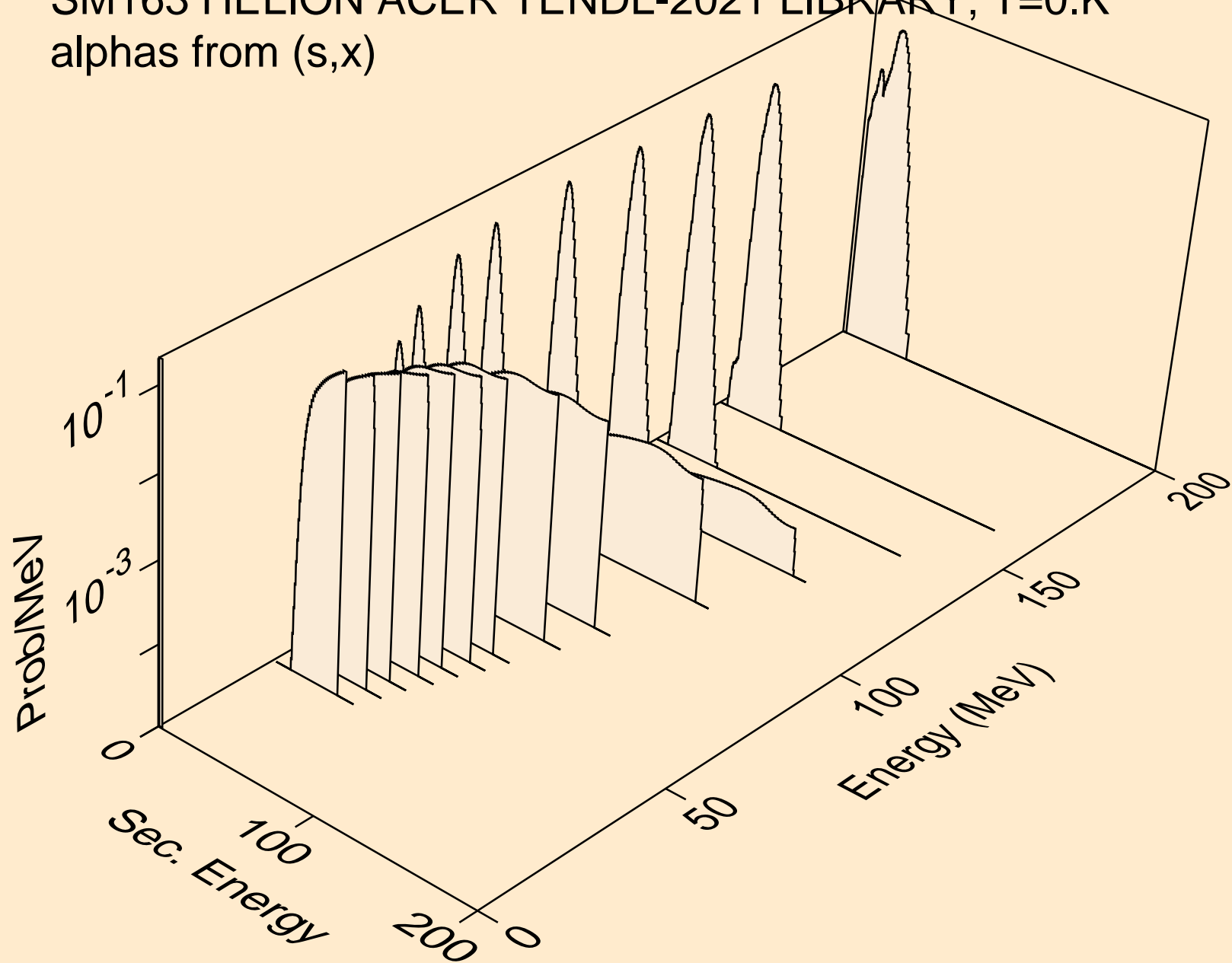


SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,pt)

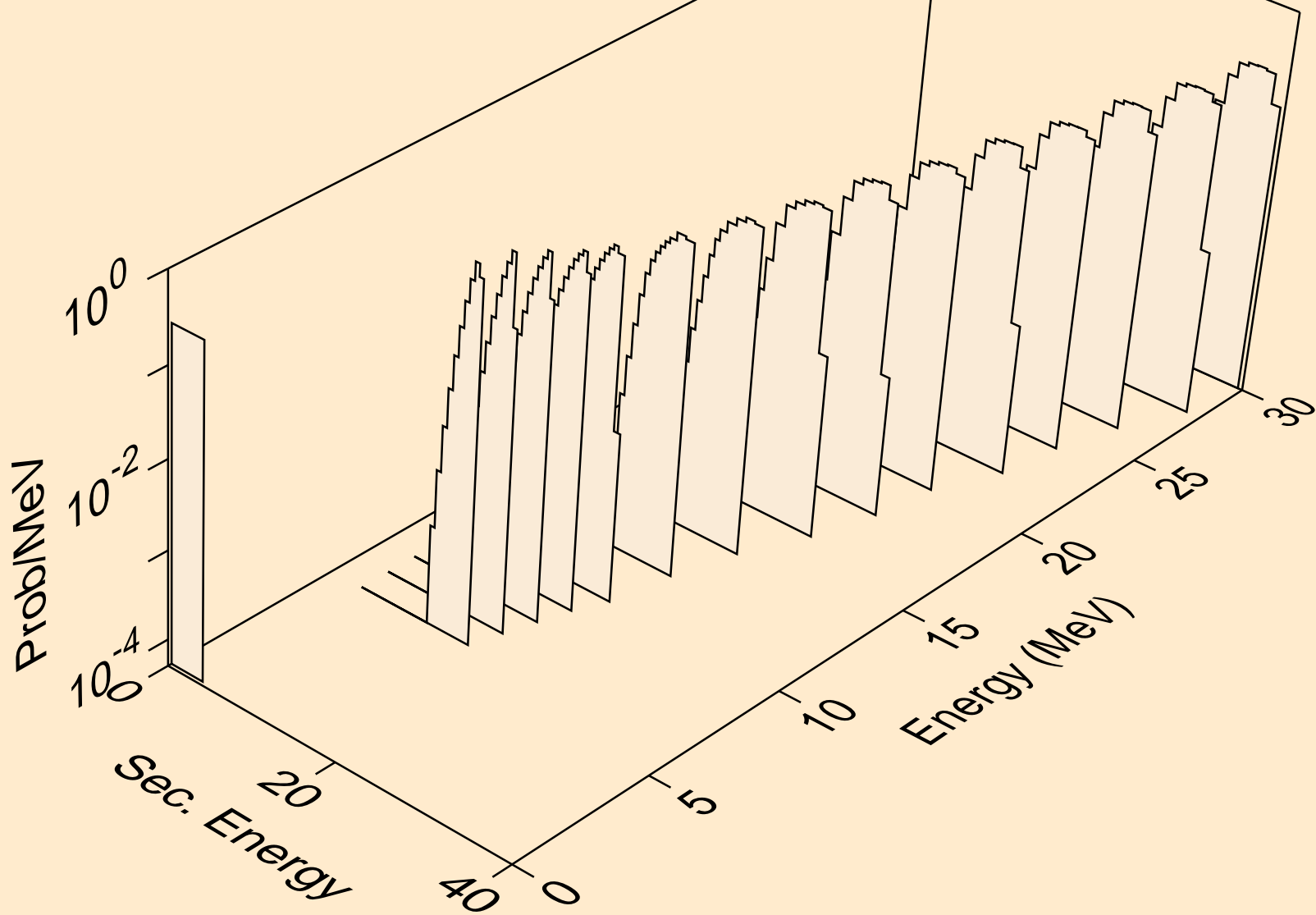




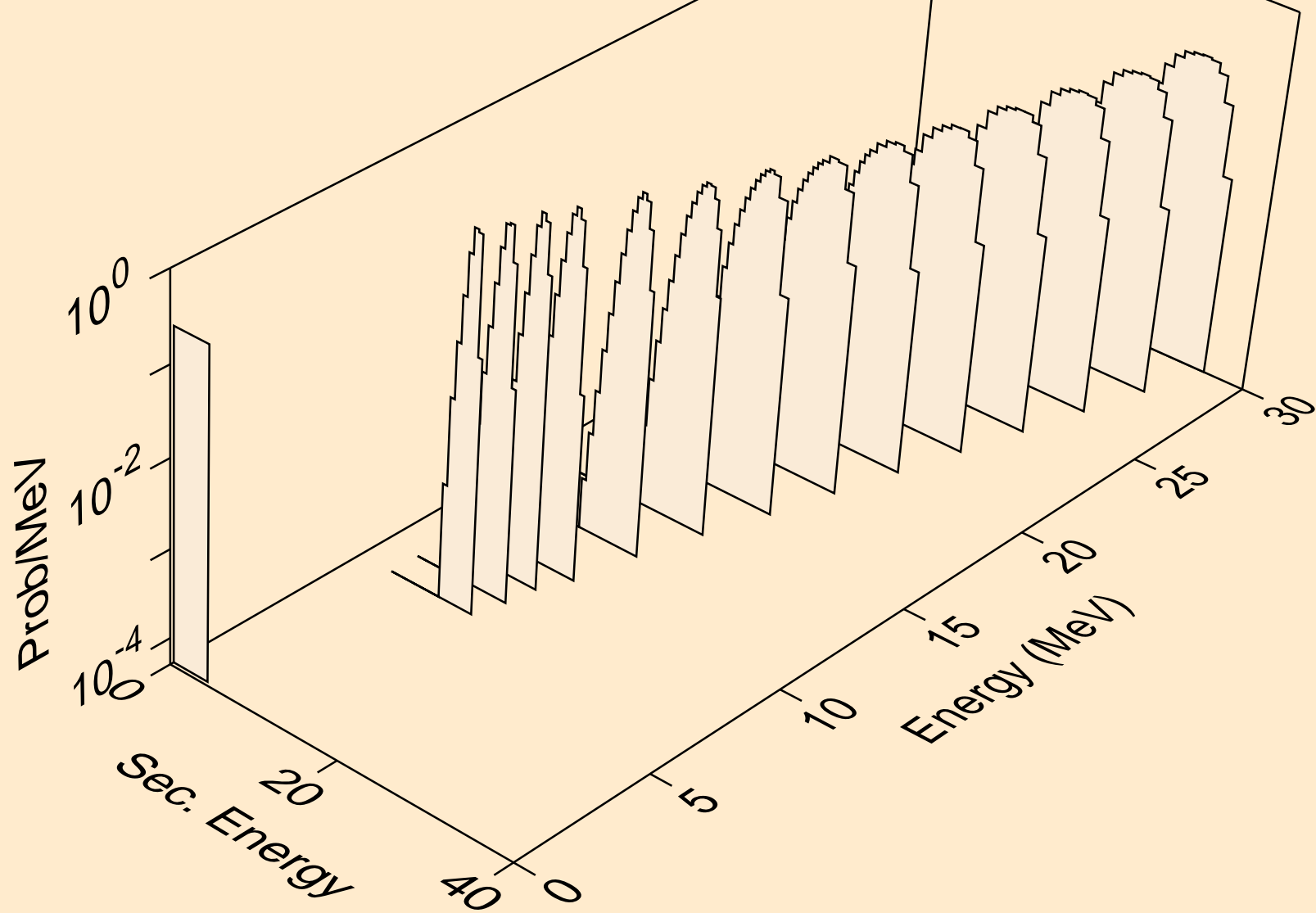
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,x)



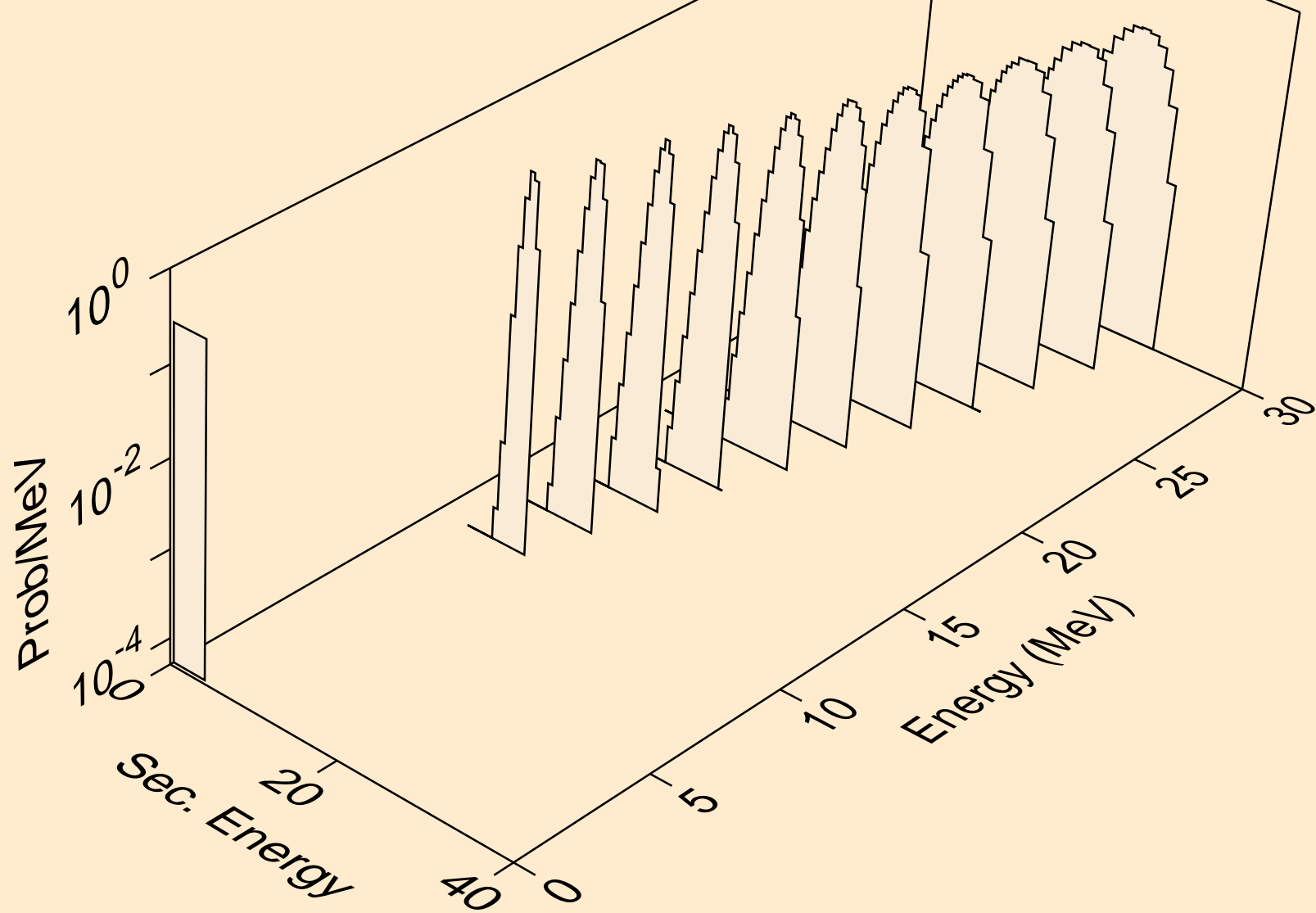
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,n\*)a



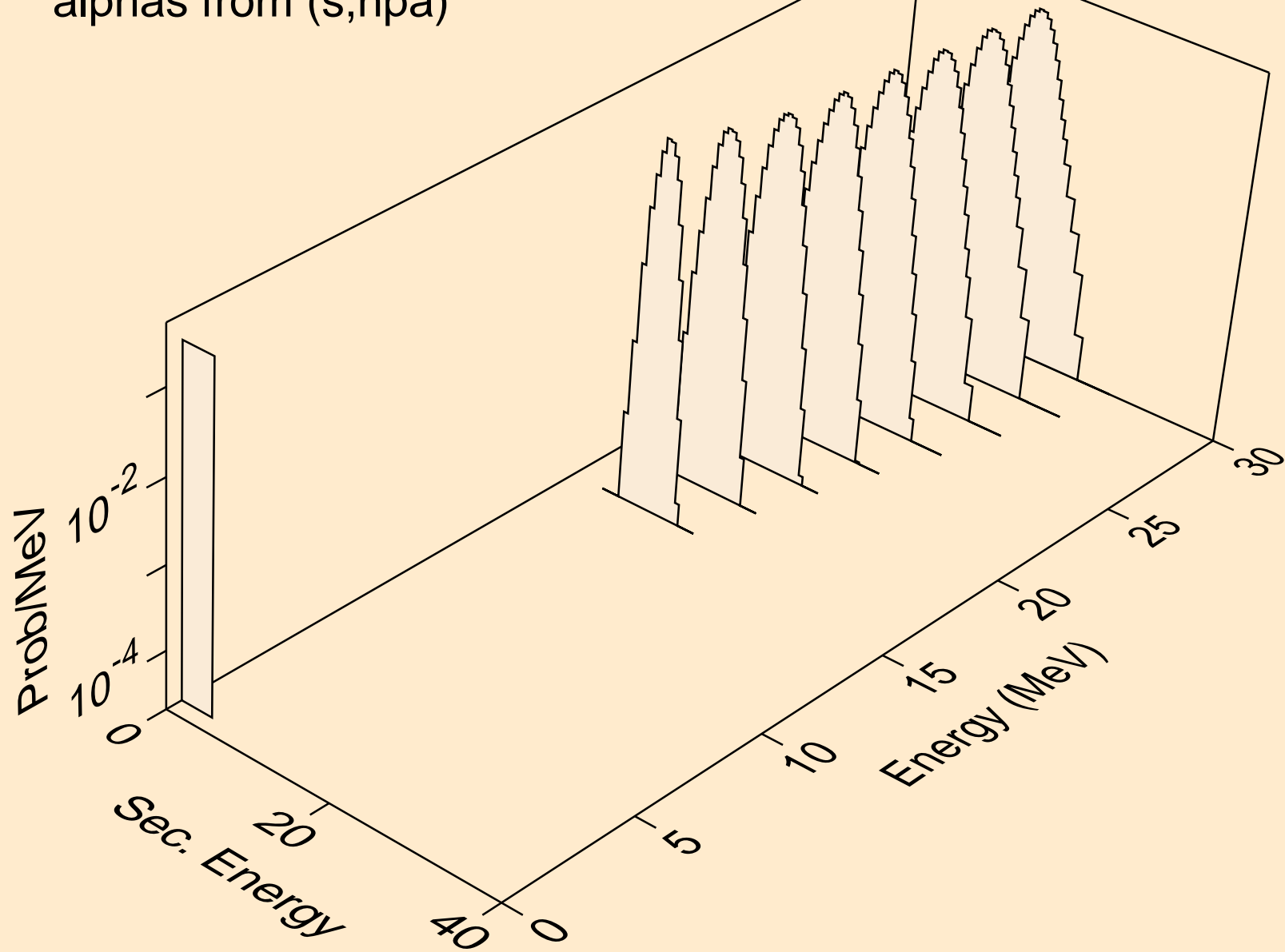
SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,2n)a



SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,3n)a



SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,npa)



SM163 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,a)

