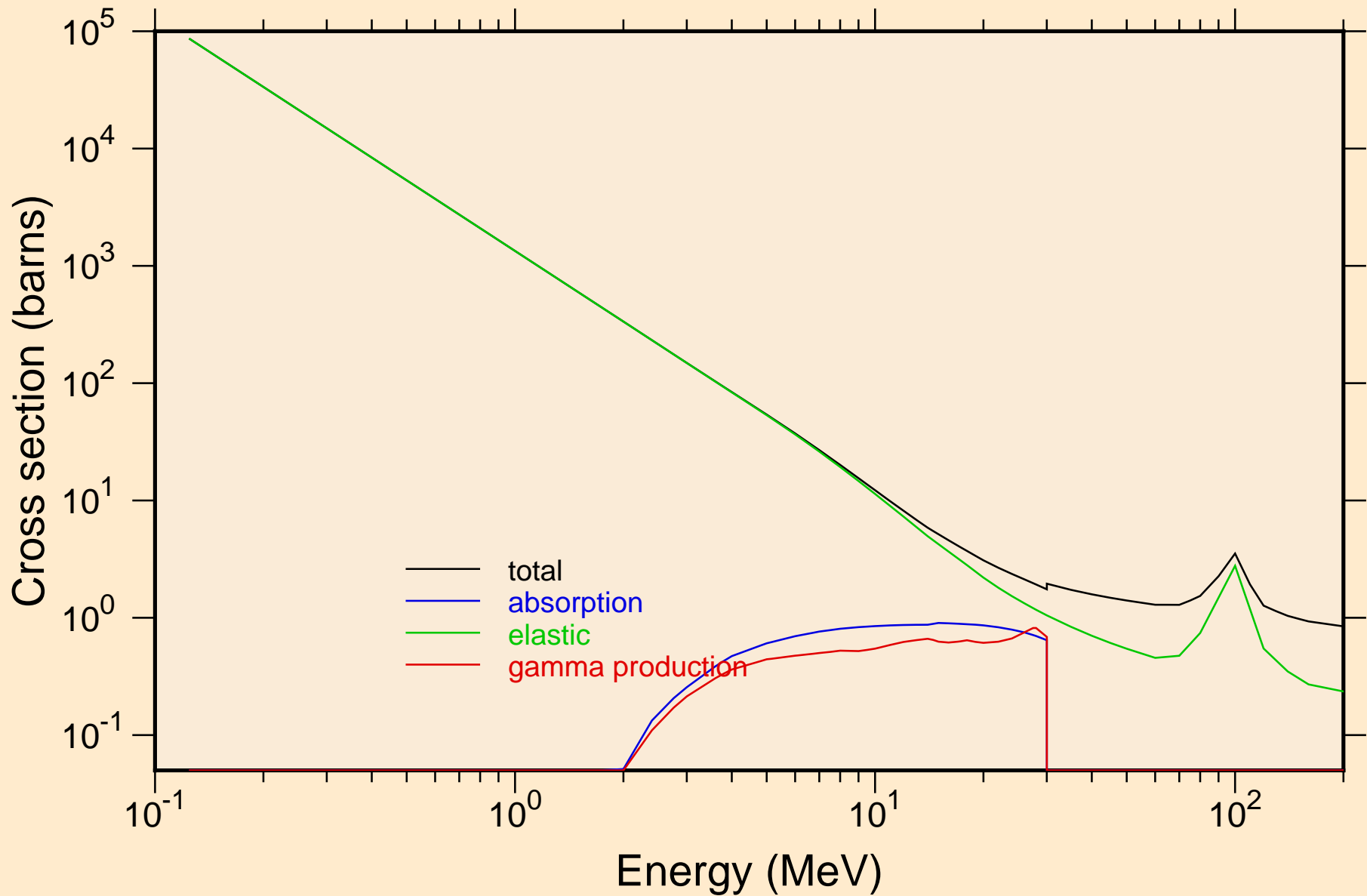
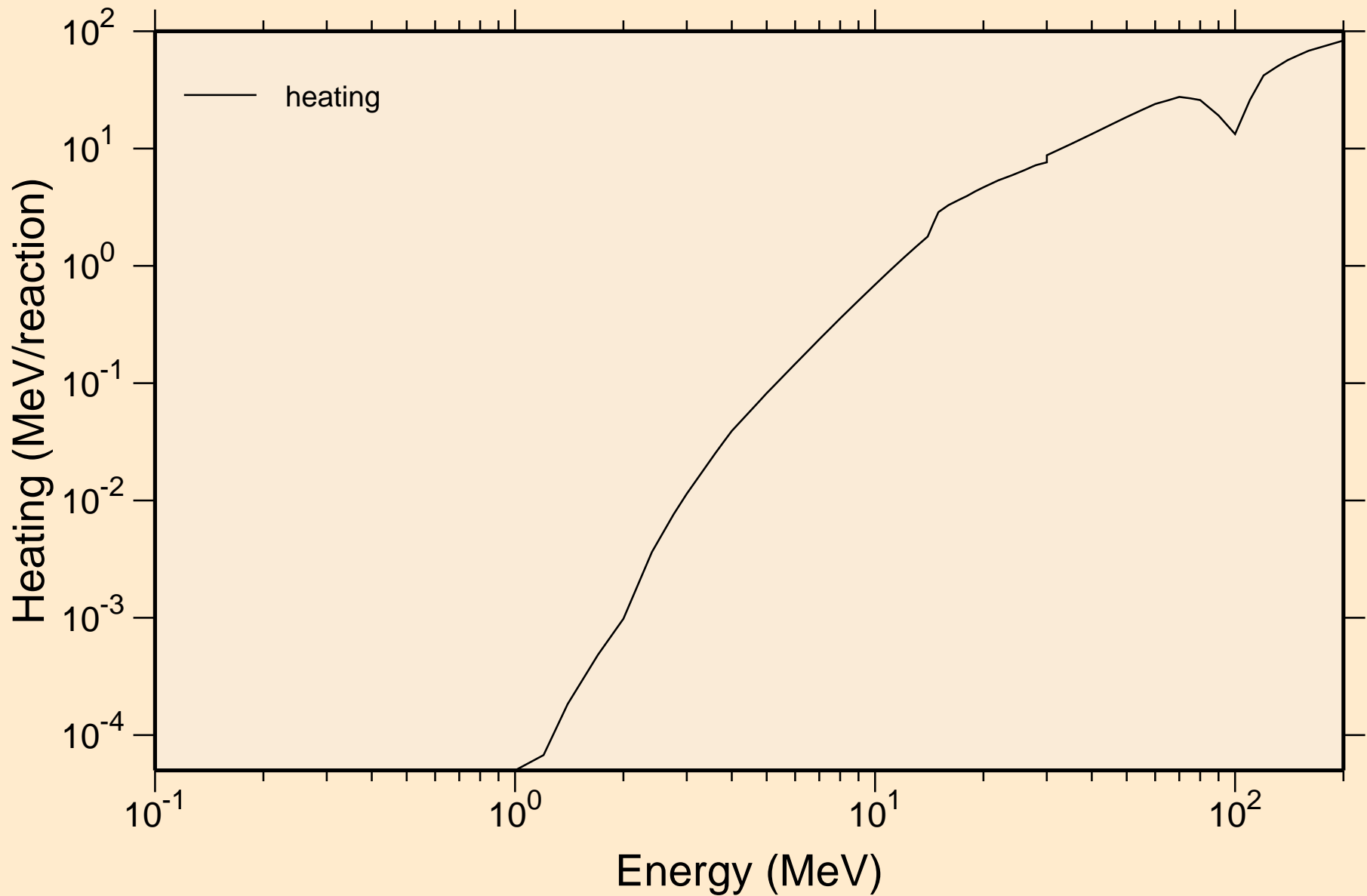


# C013 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

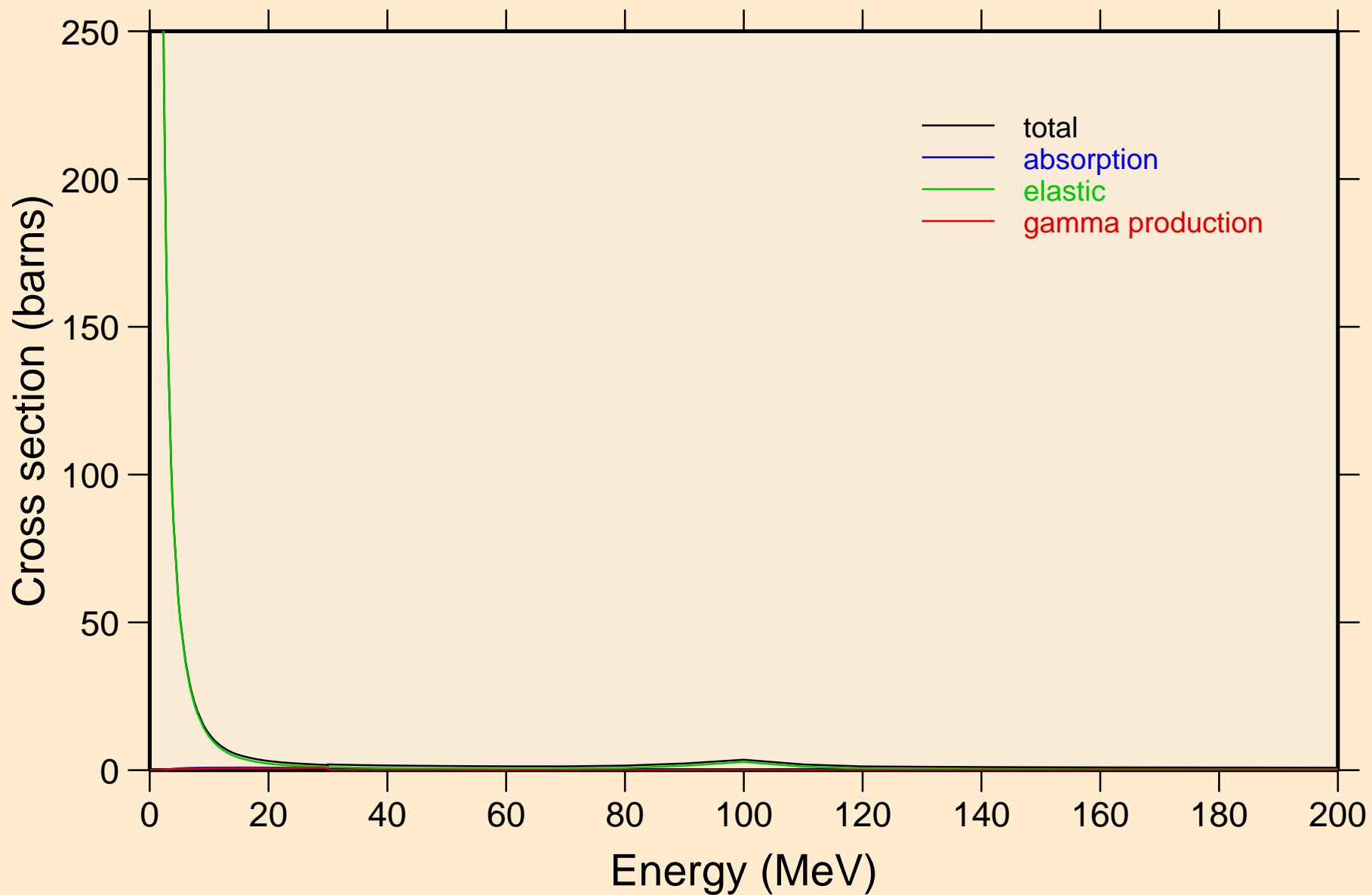


C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Heating



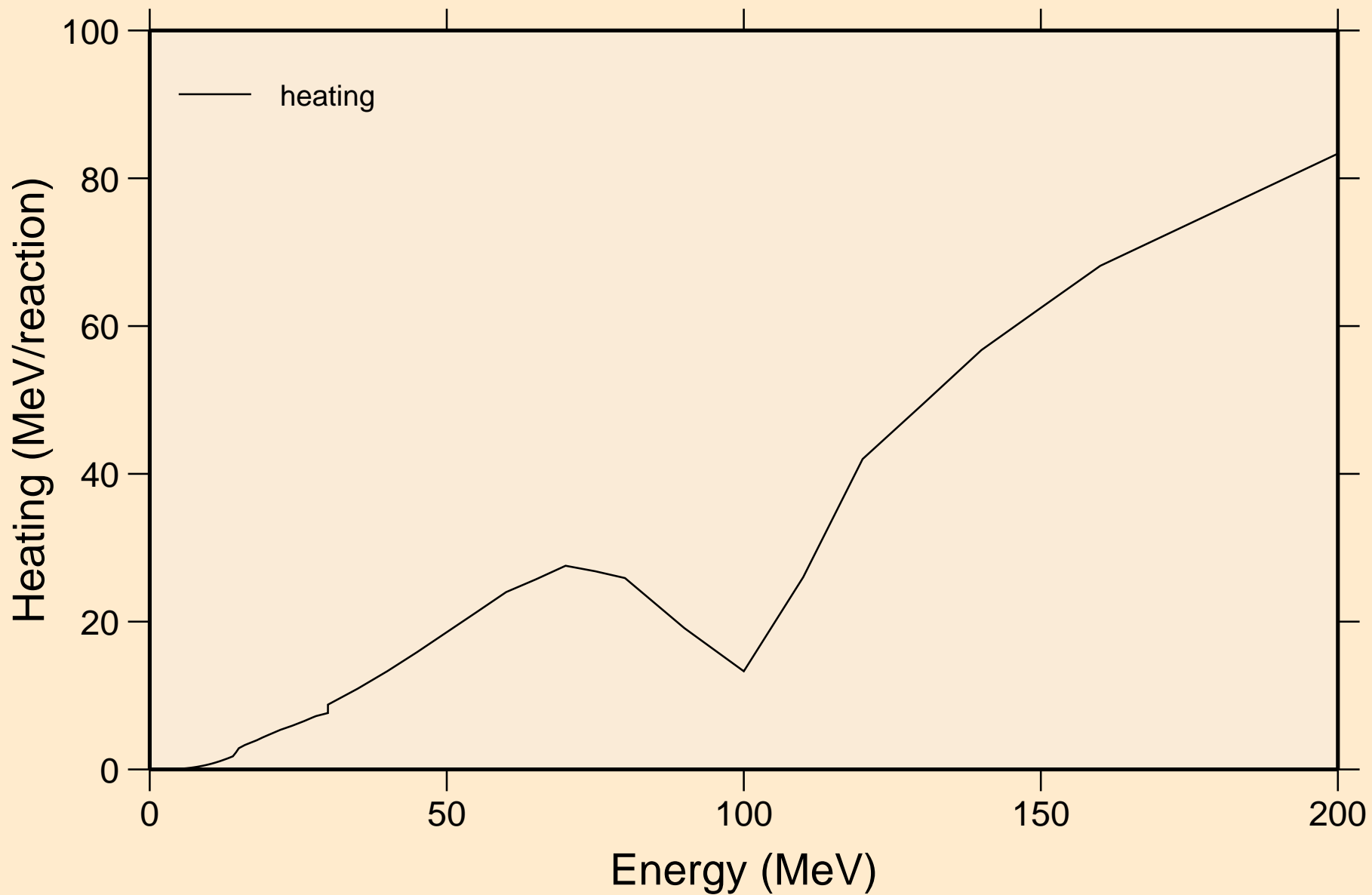
# C013 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



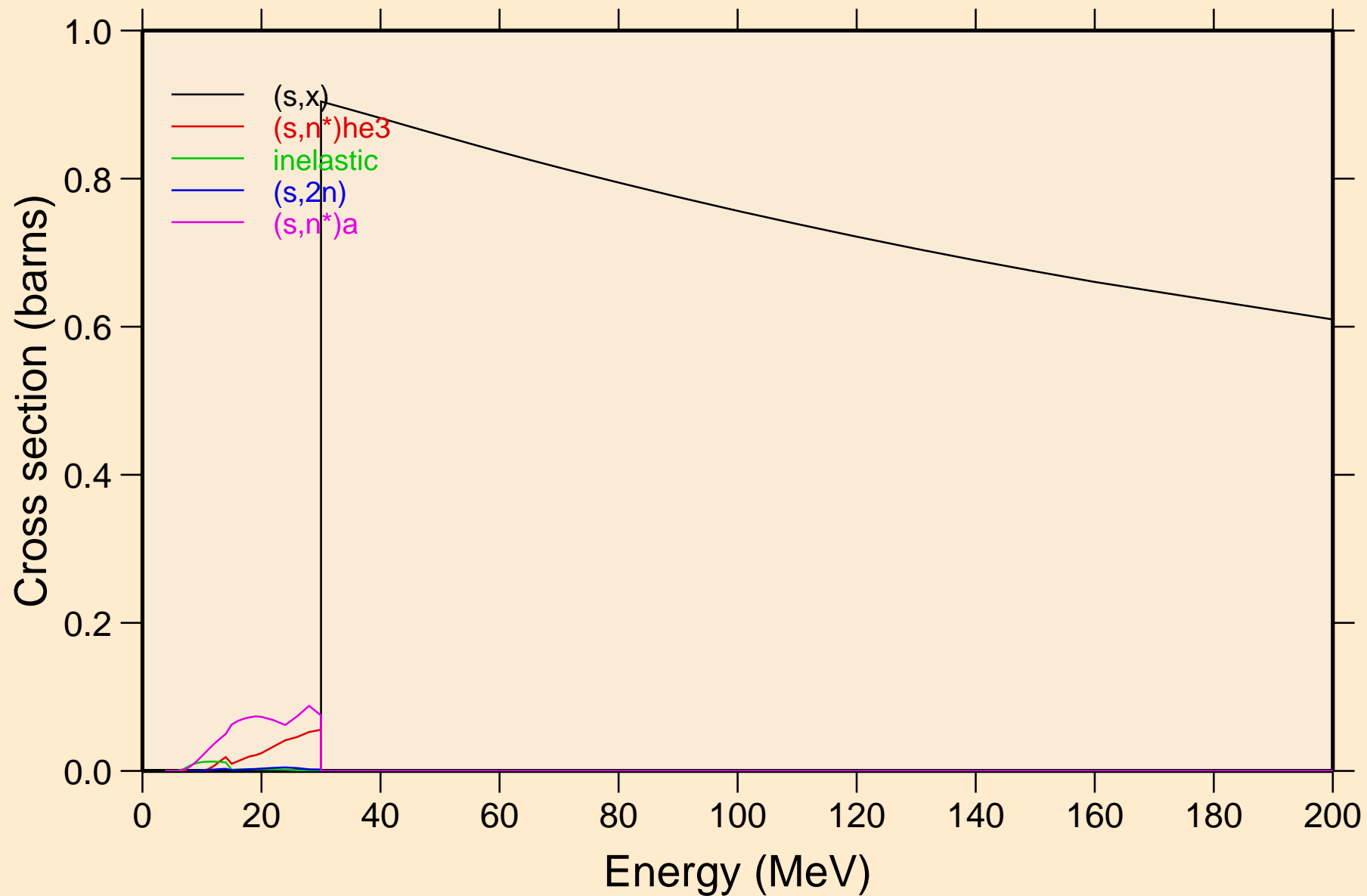
# C013 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Heating



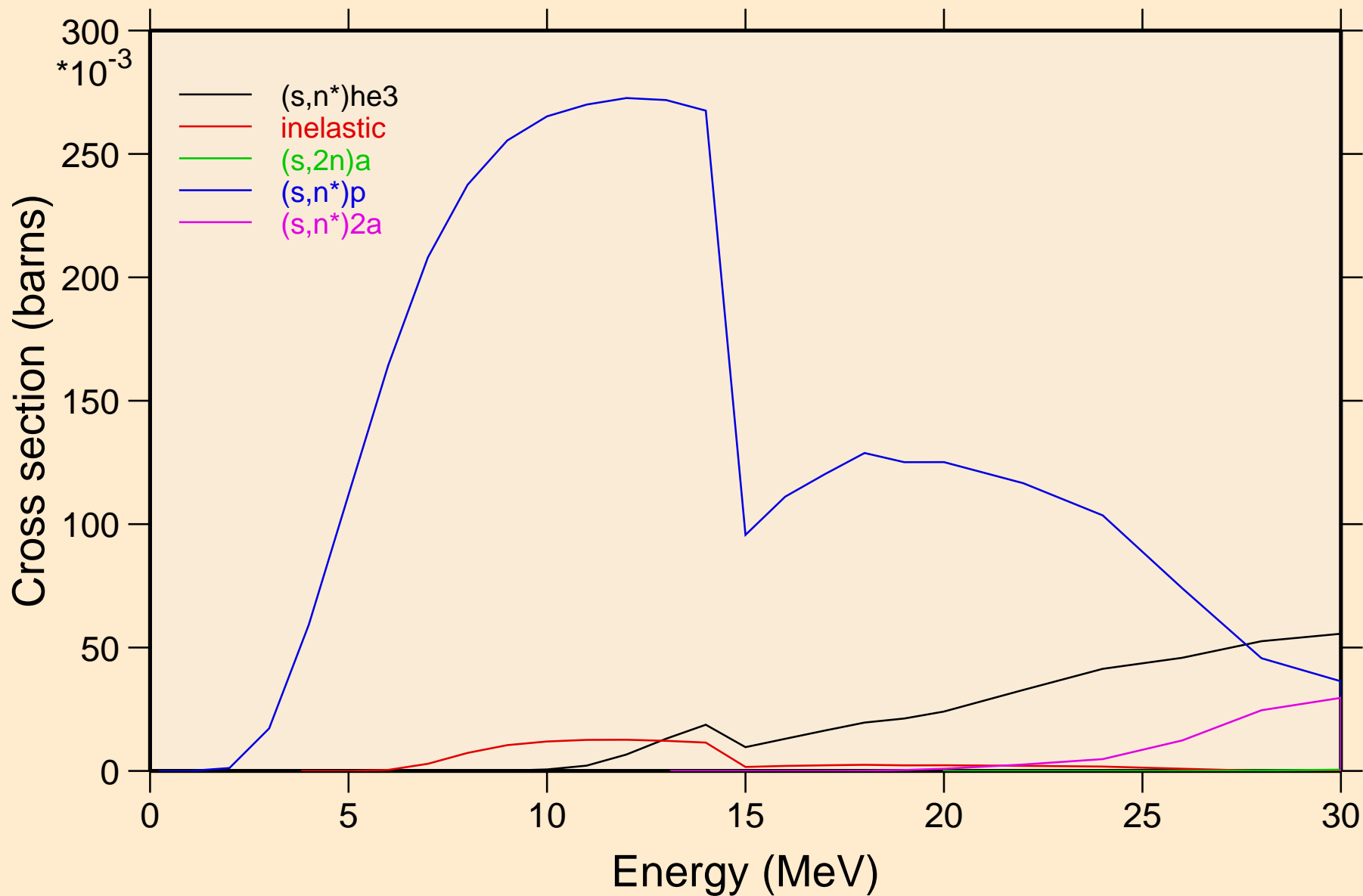
# C013 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



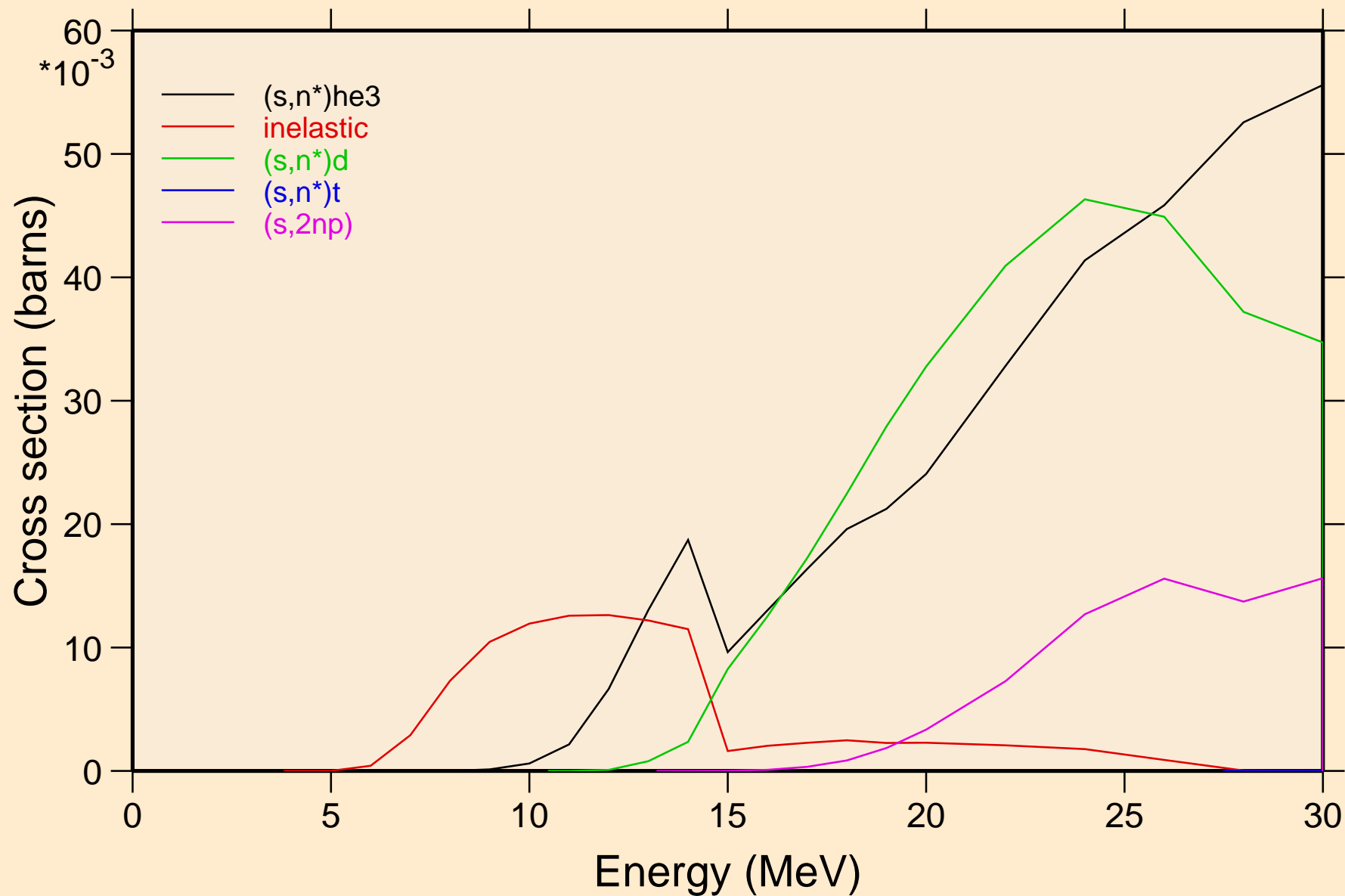
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## Threshold reactions



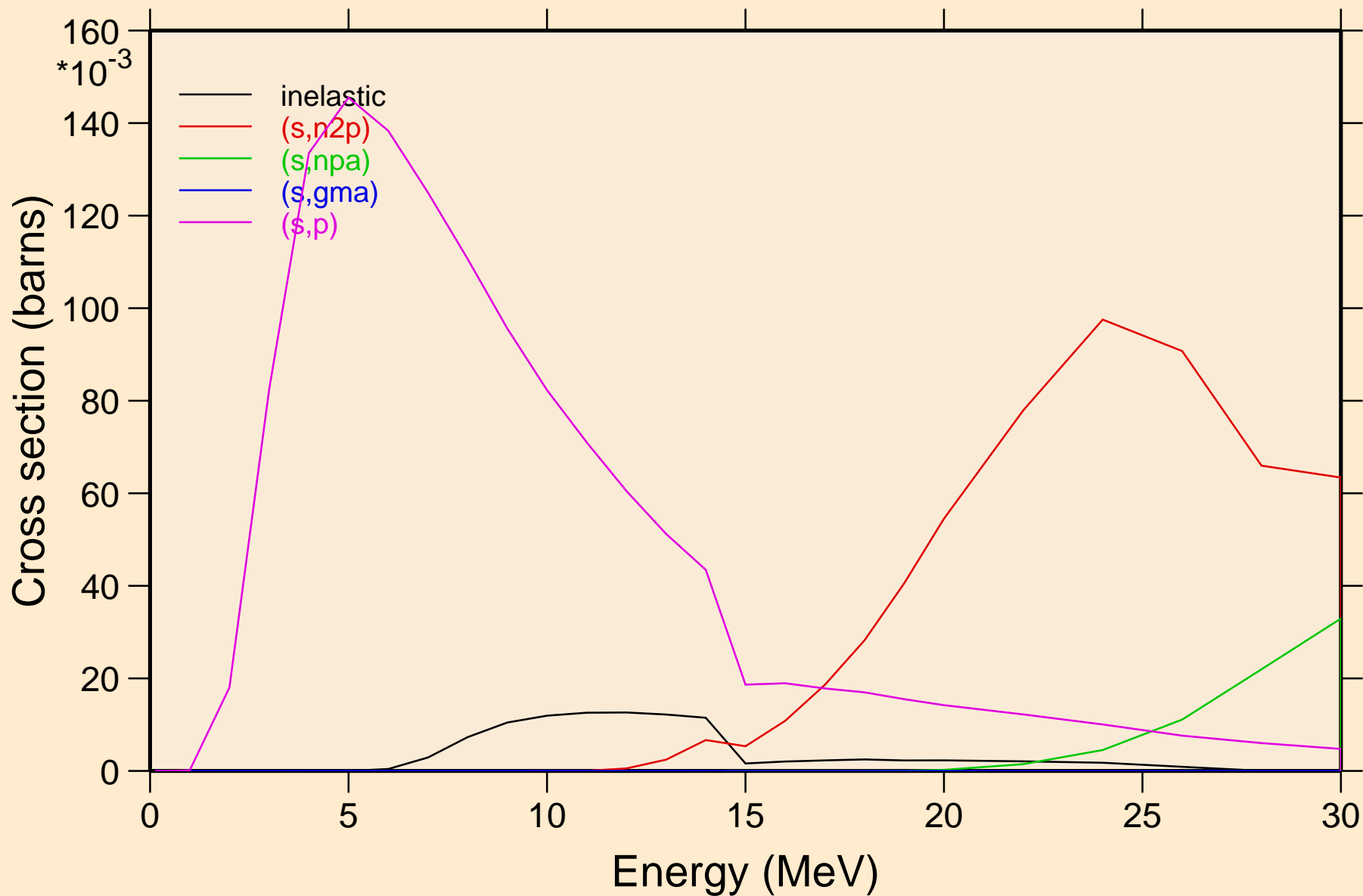
# C013 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



# C013 HELION ACER TENDL-2023 LIBRARY; T=0.K

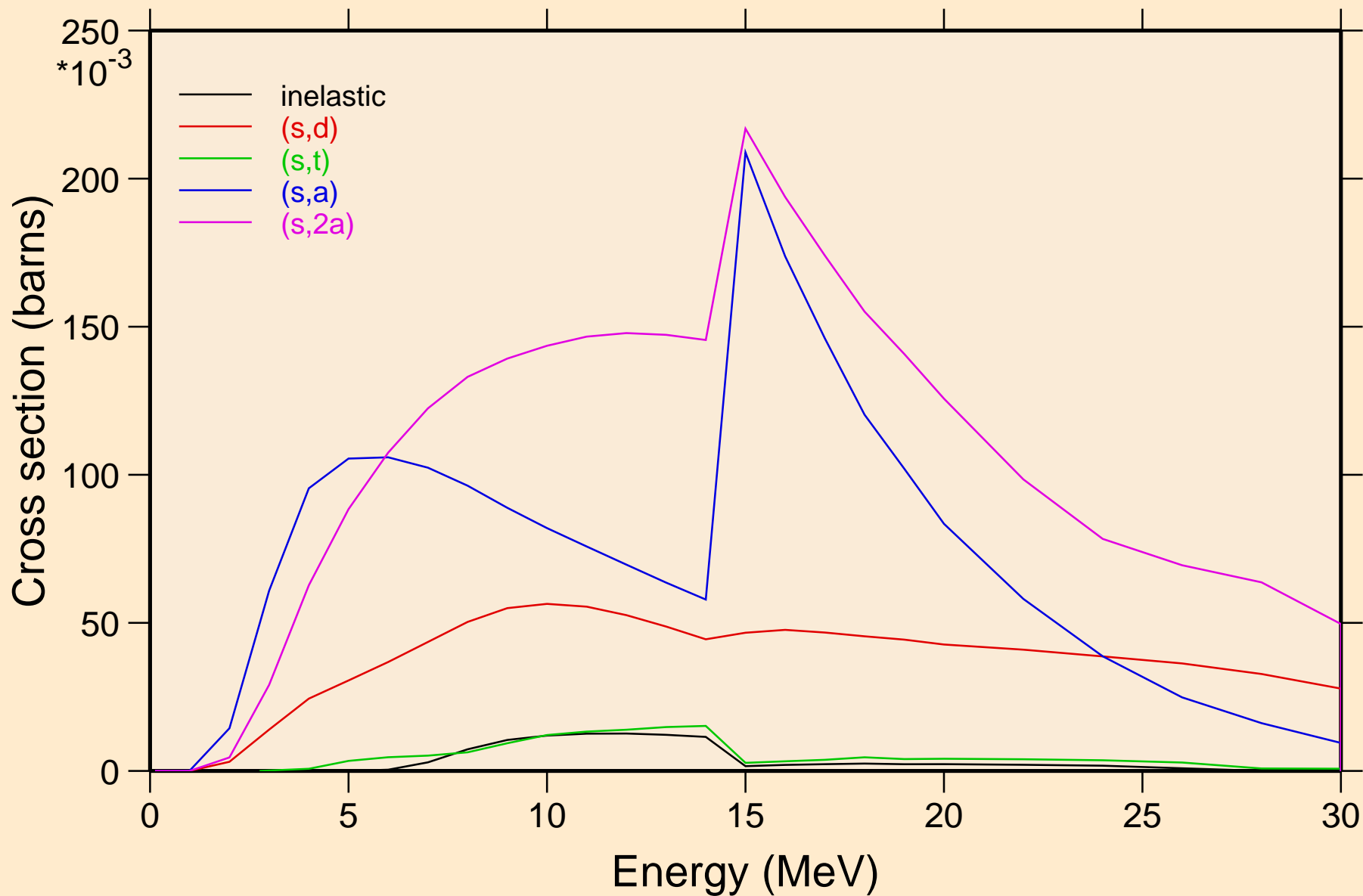
## Threshold reactions





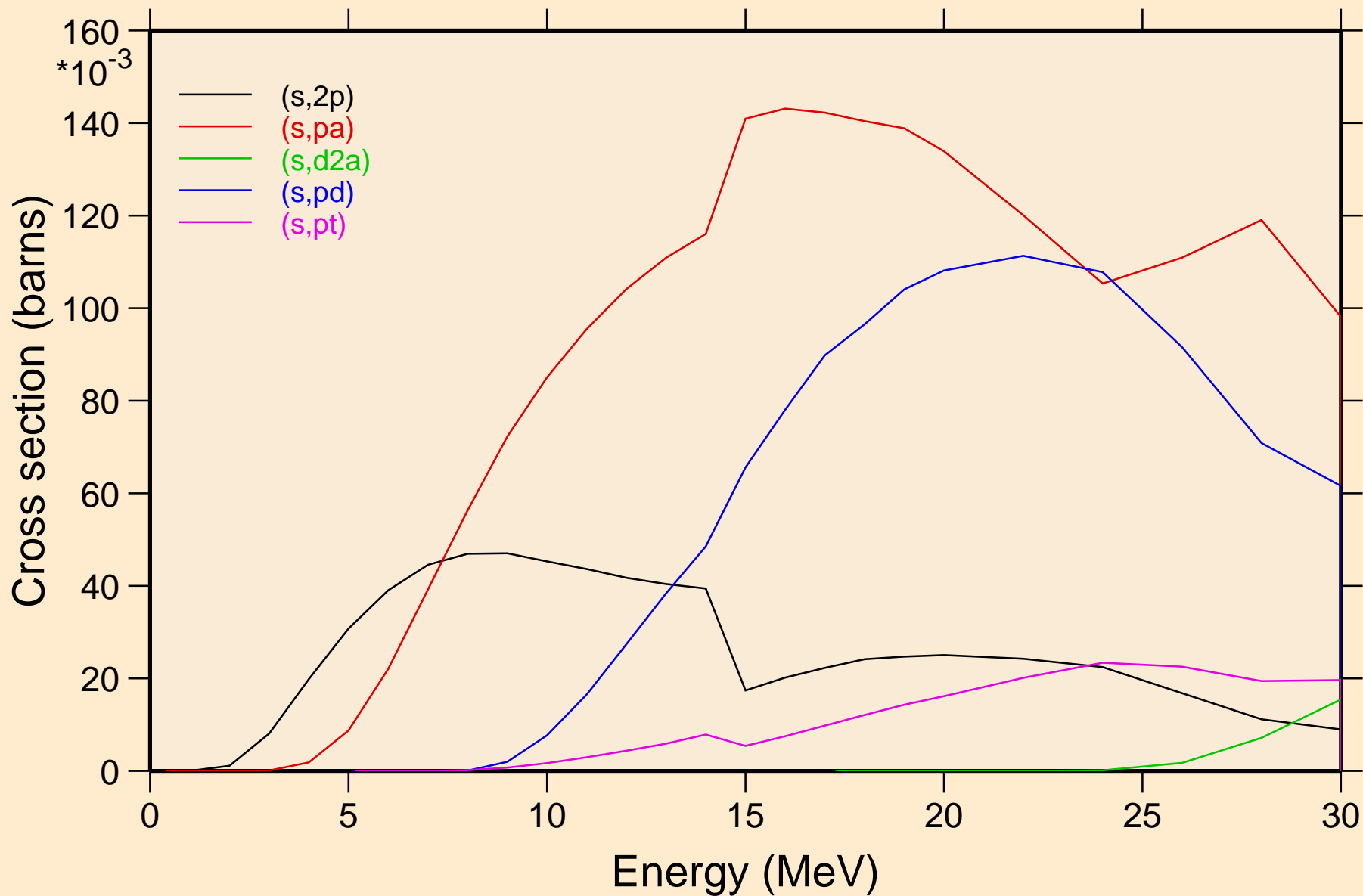
# C013 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



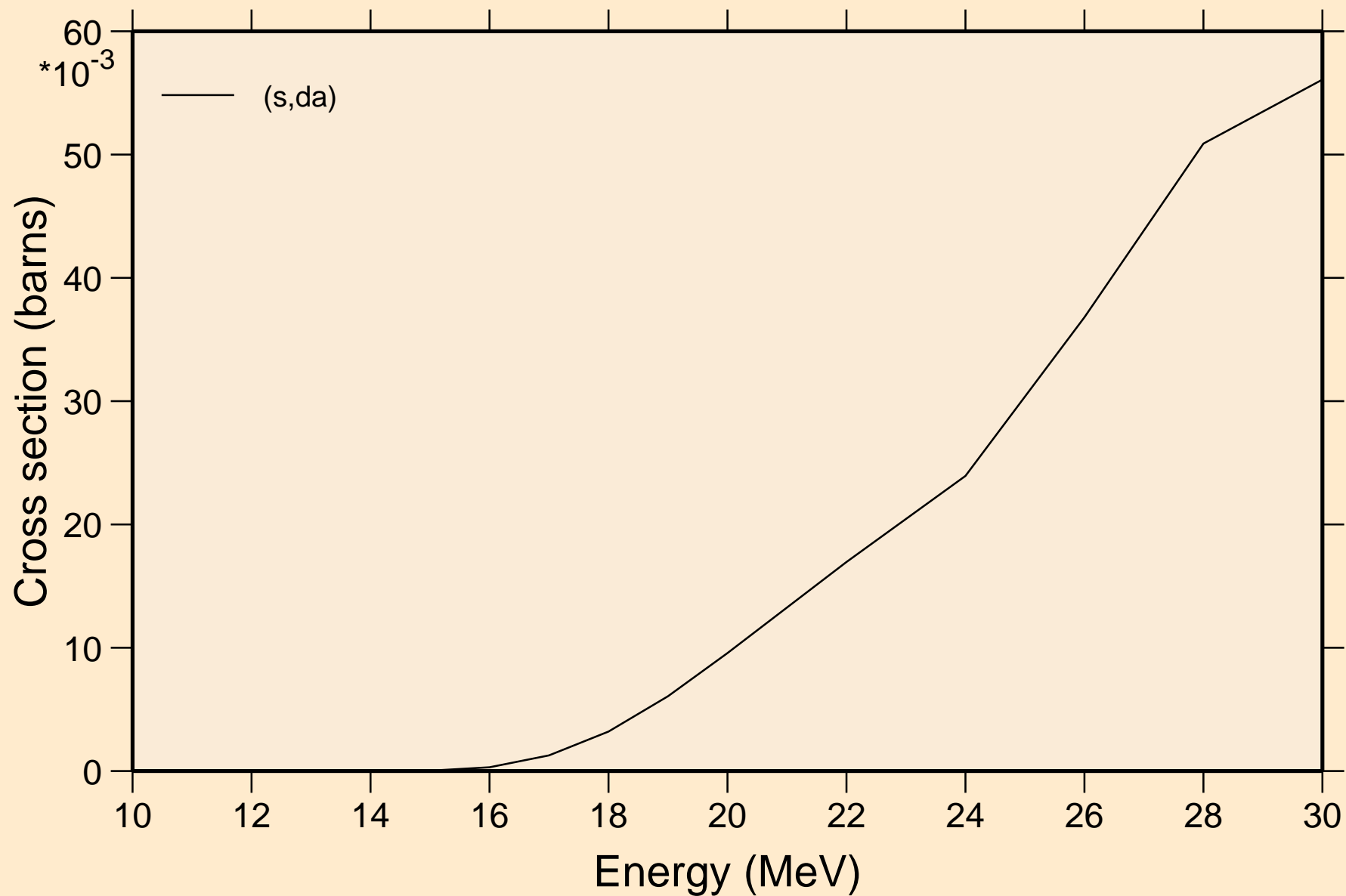
# C013 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

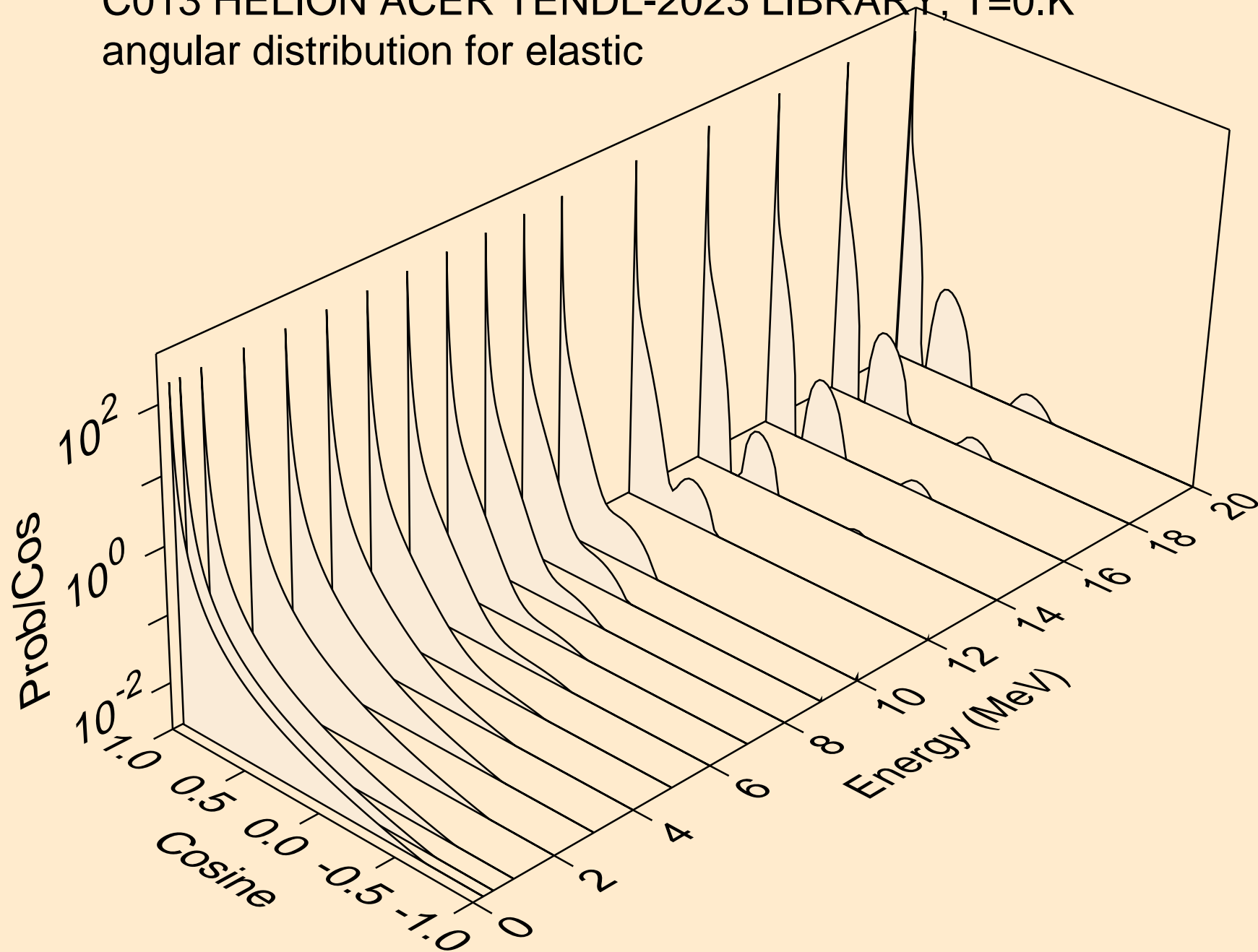


# C013 HELION ACER TENDL-2023 LIBRARY; T=0.K

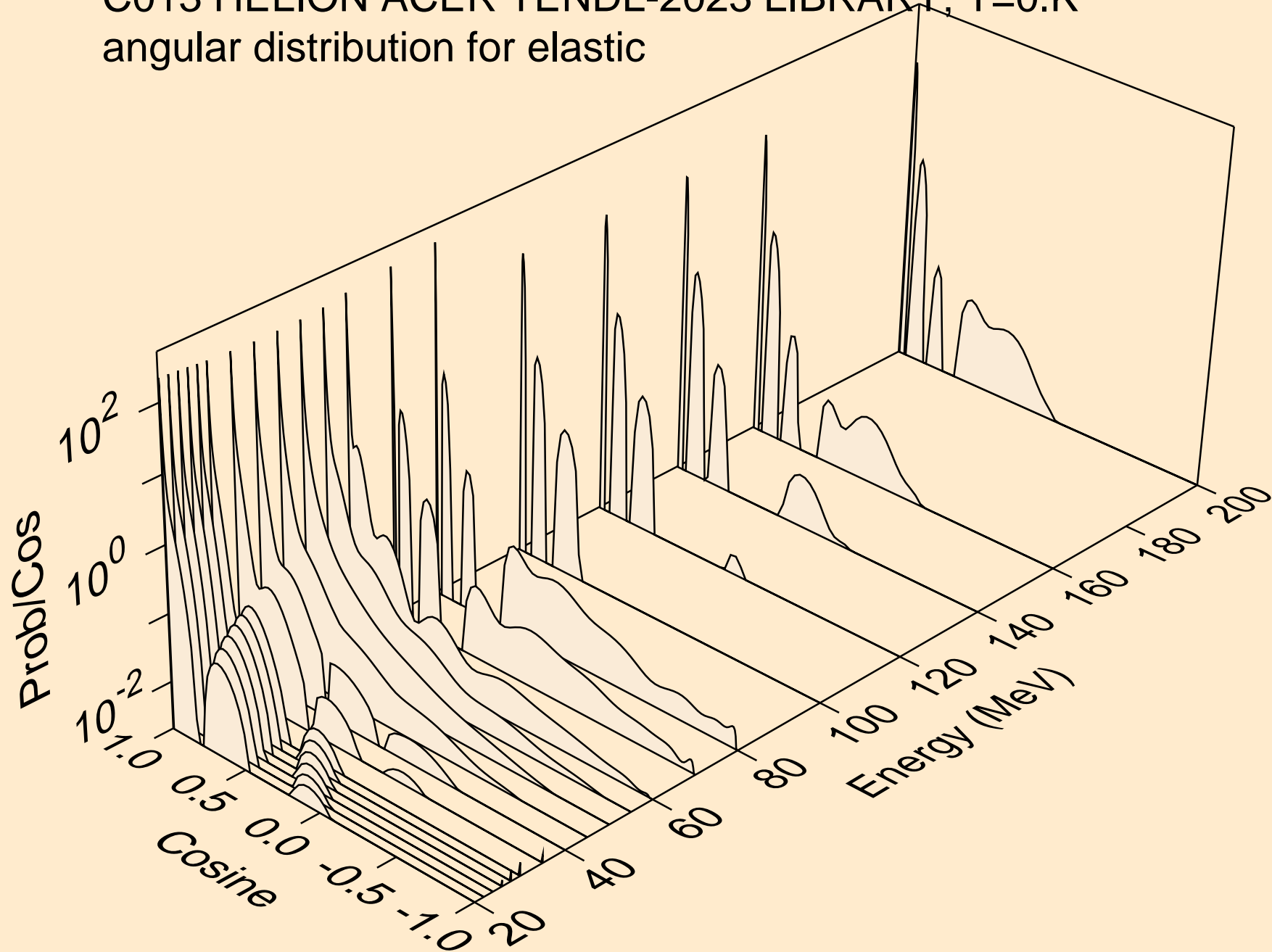
## Threshold reactions



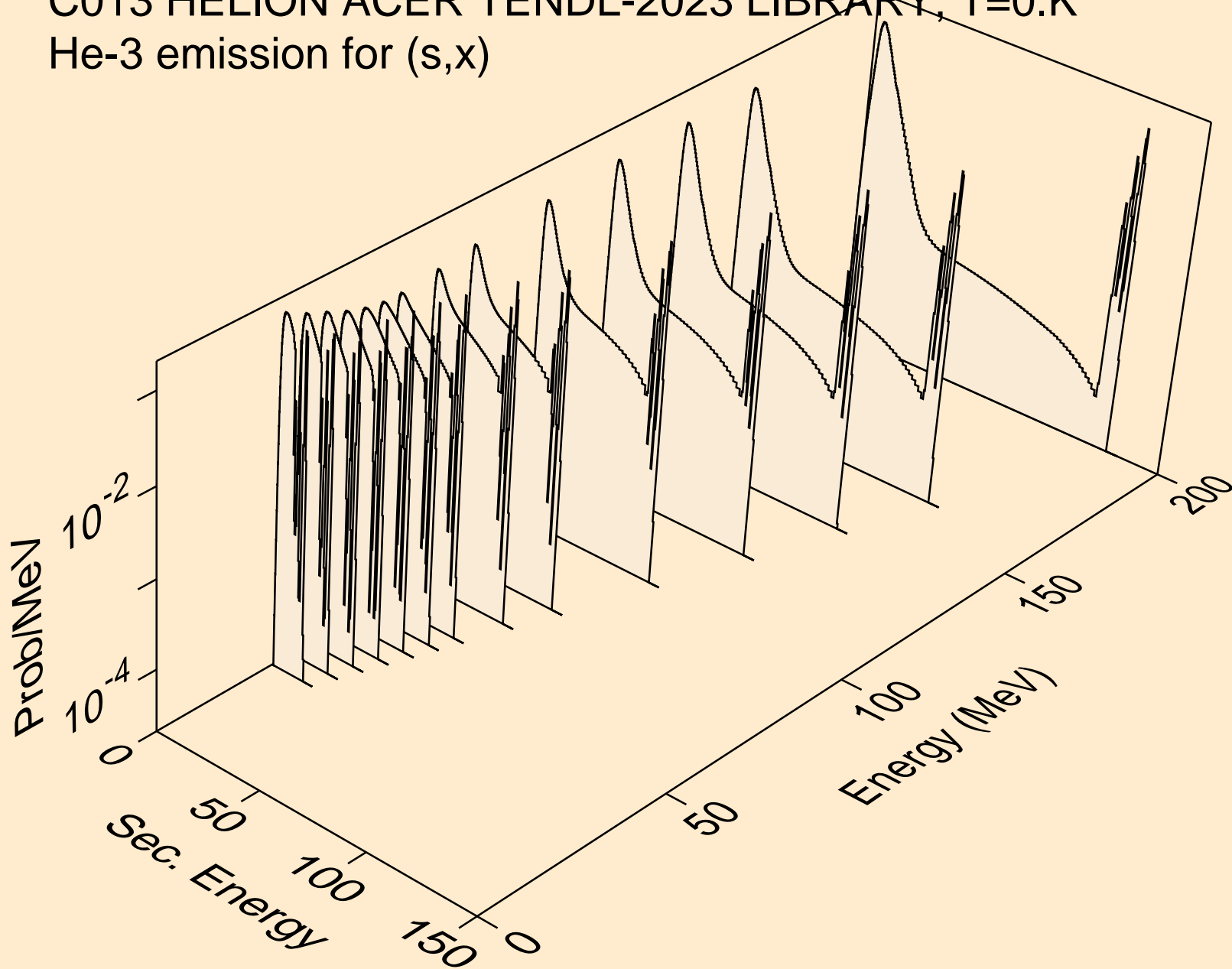
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



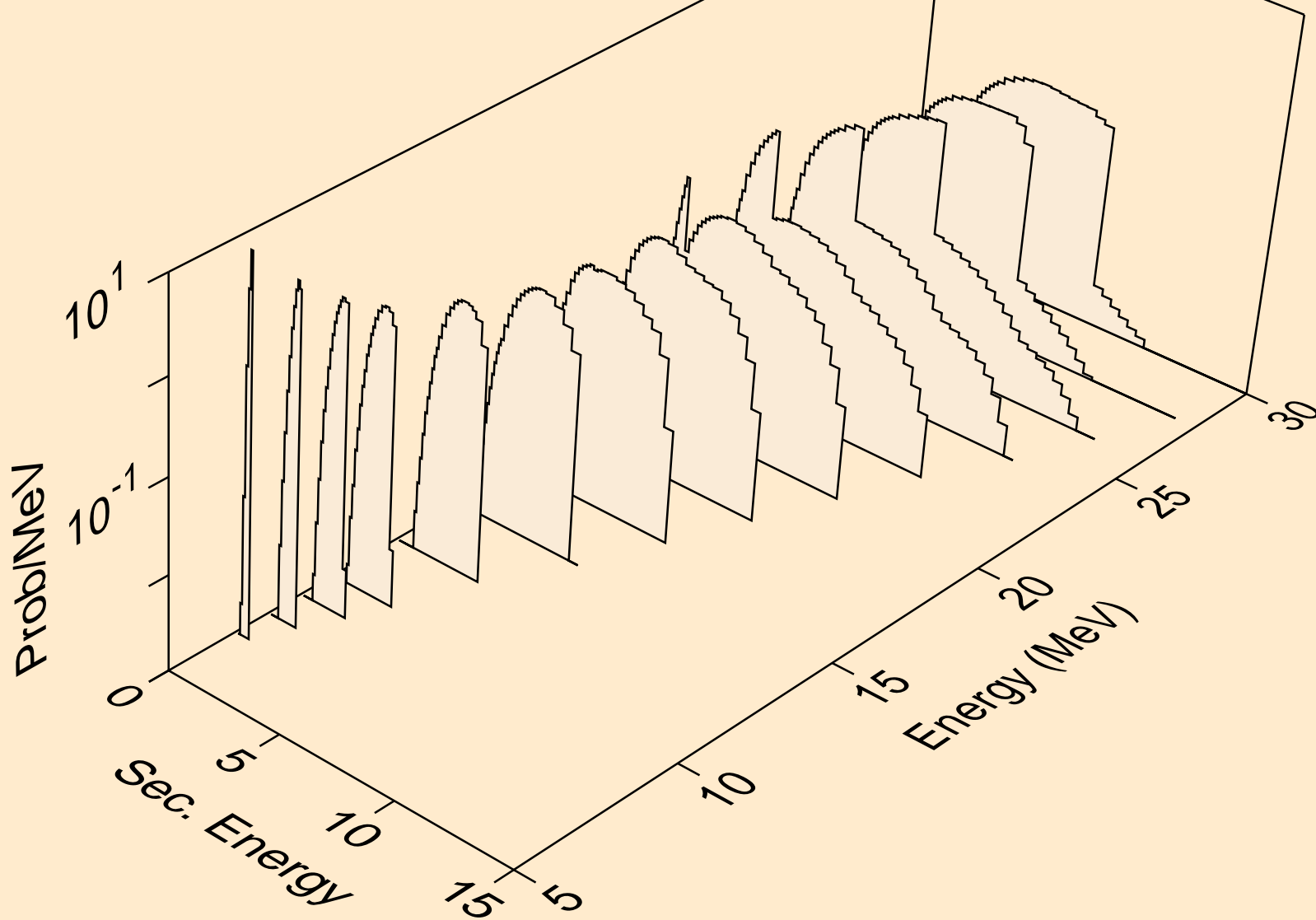
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



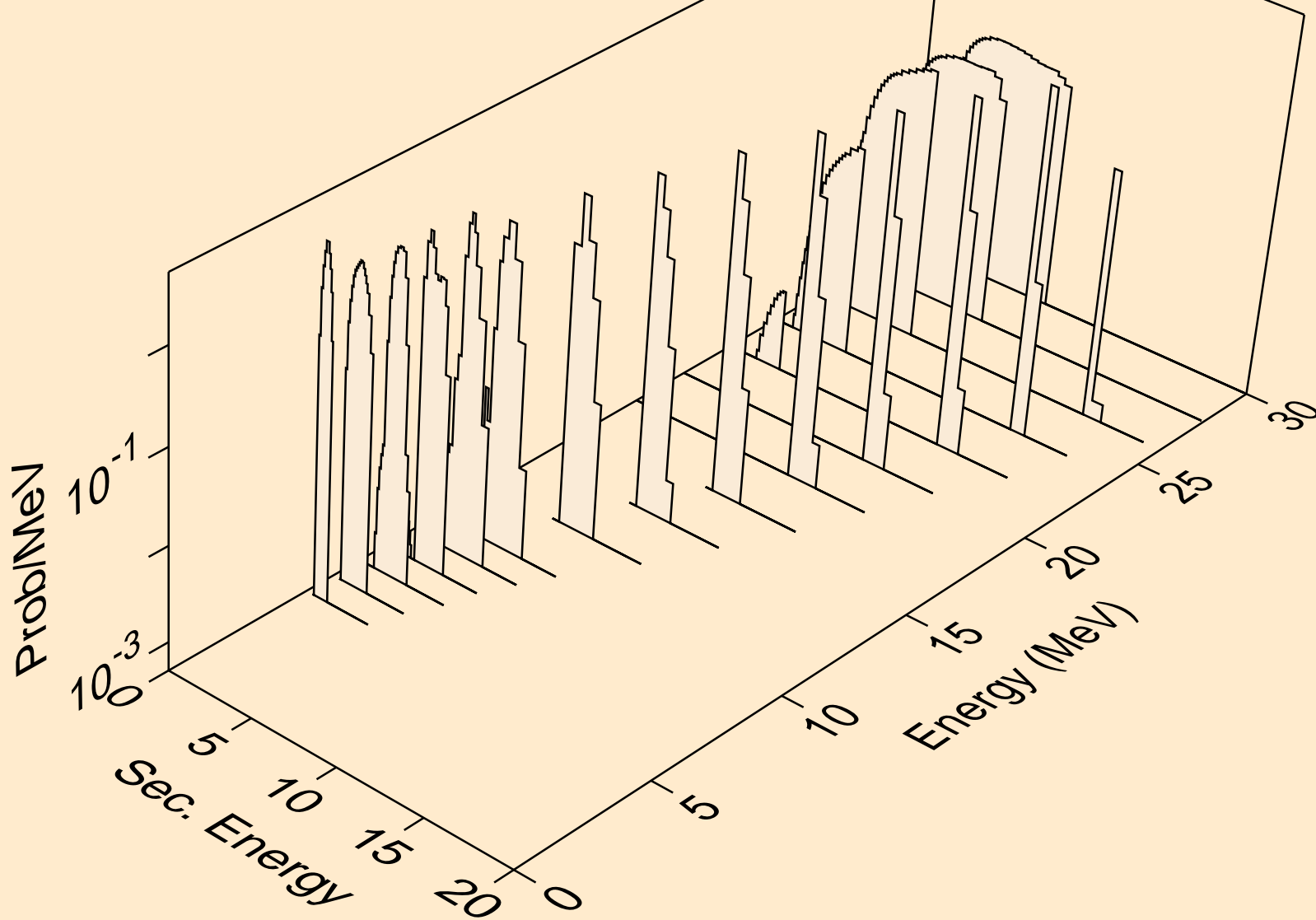
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)



C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

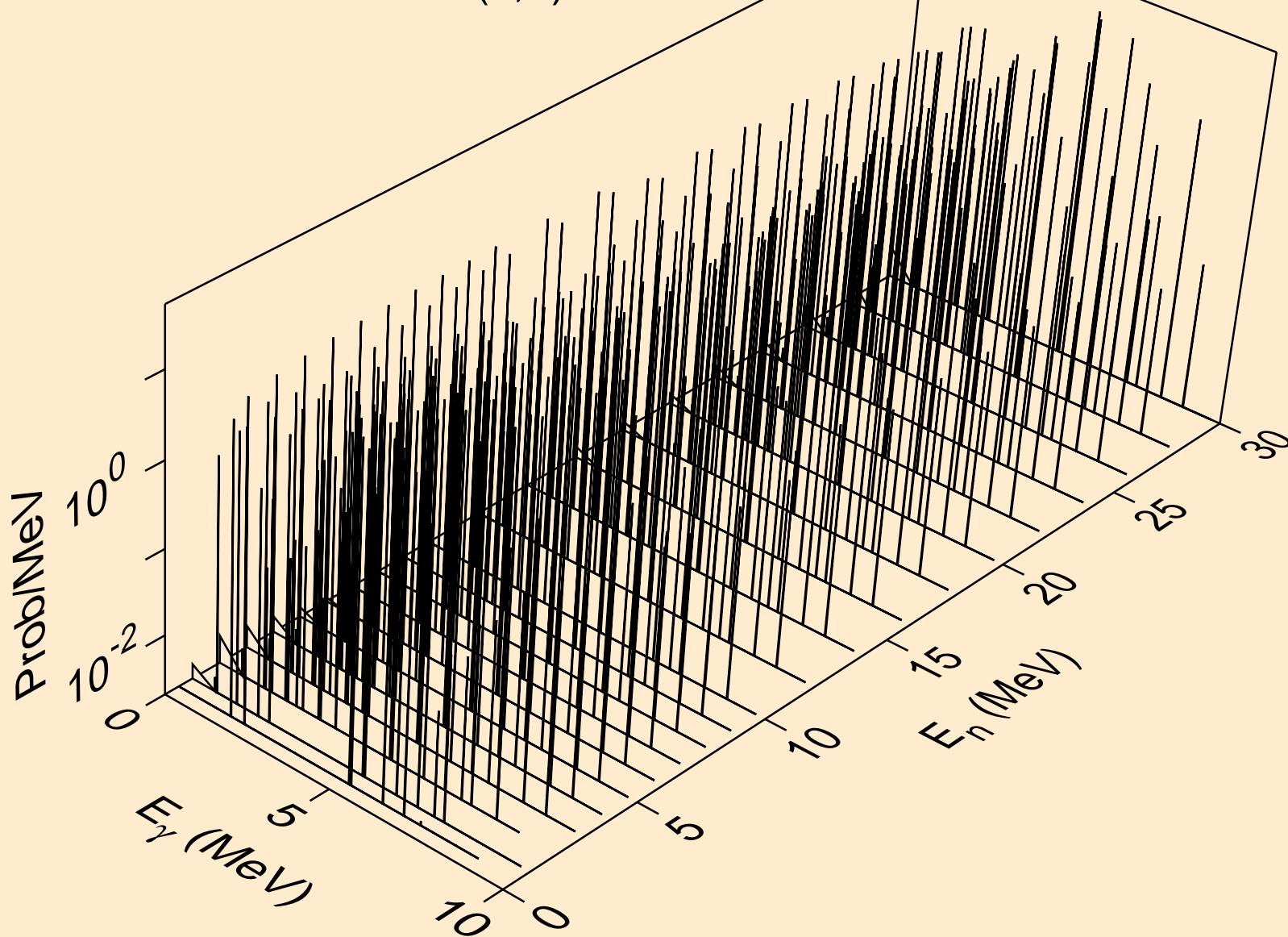


C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic

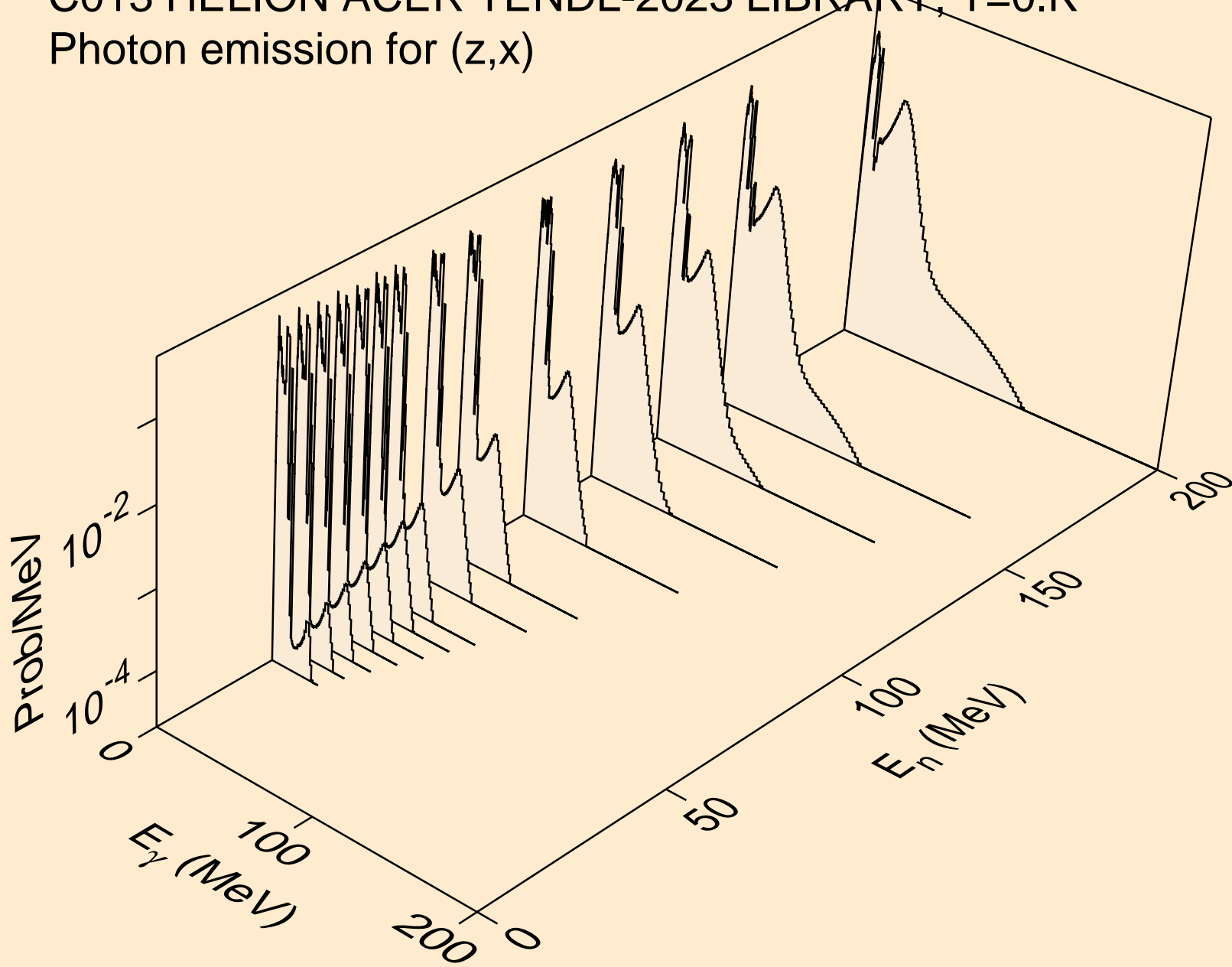




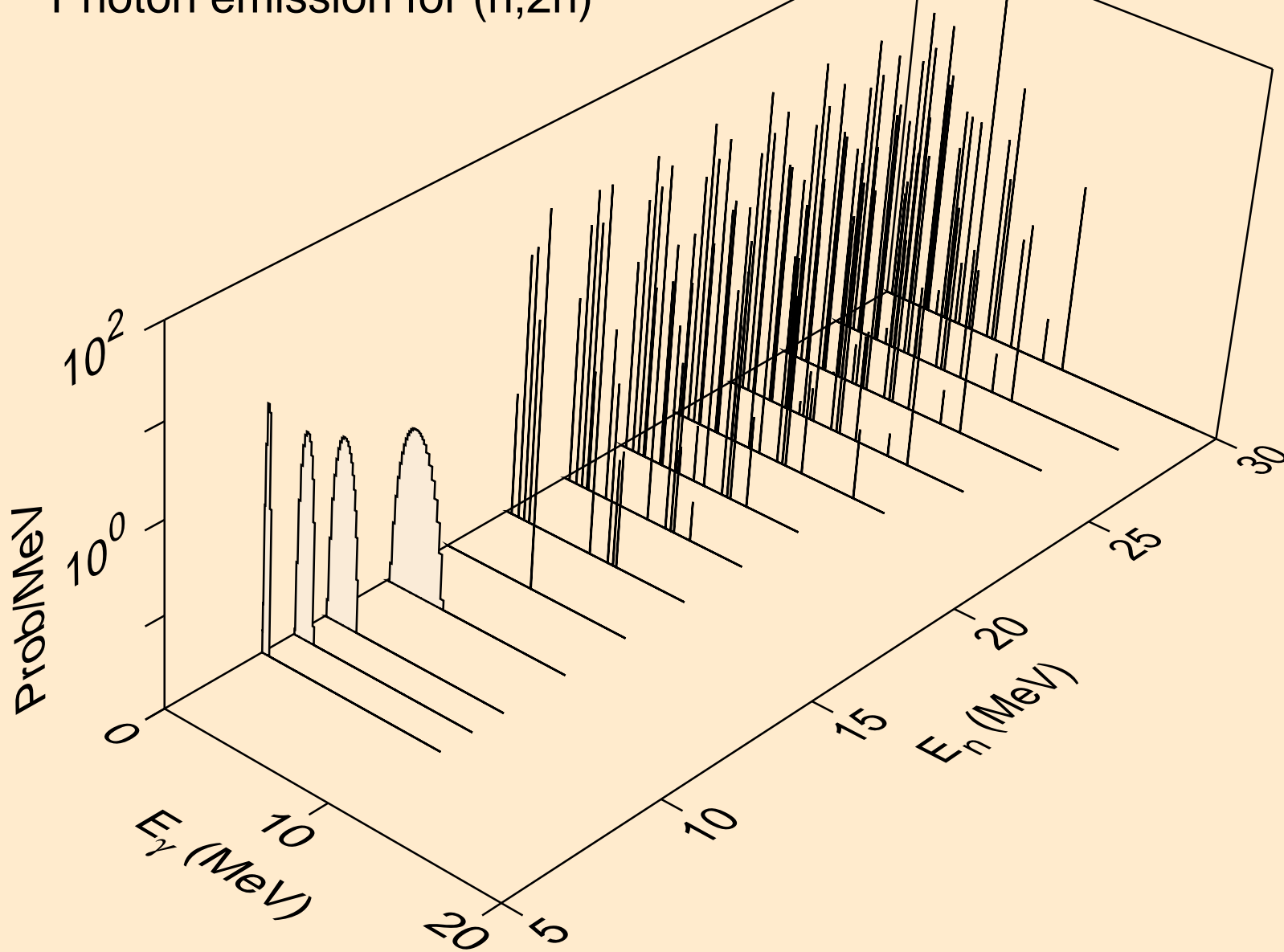
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



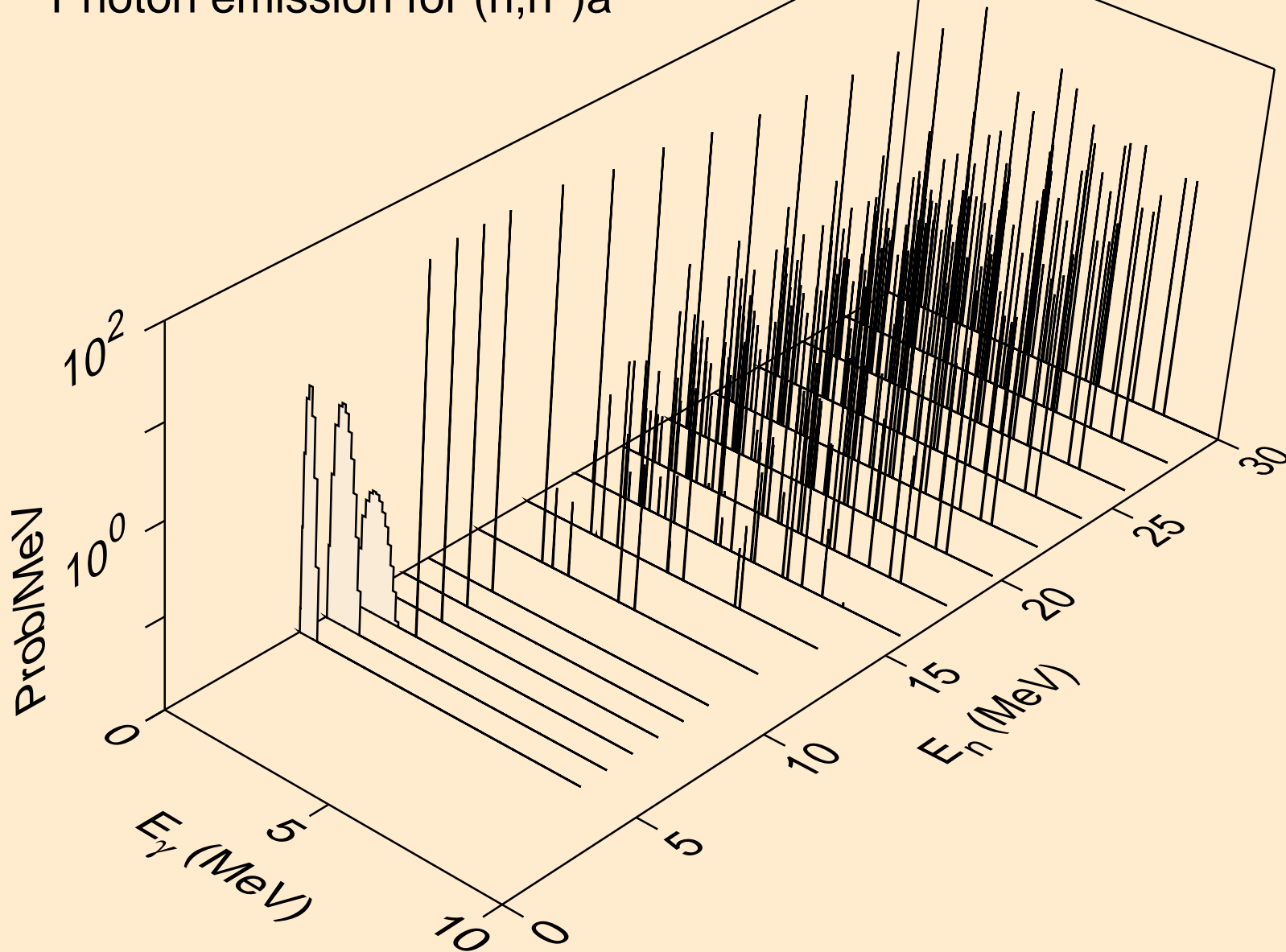
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



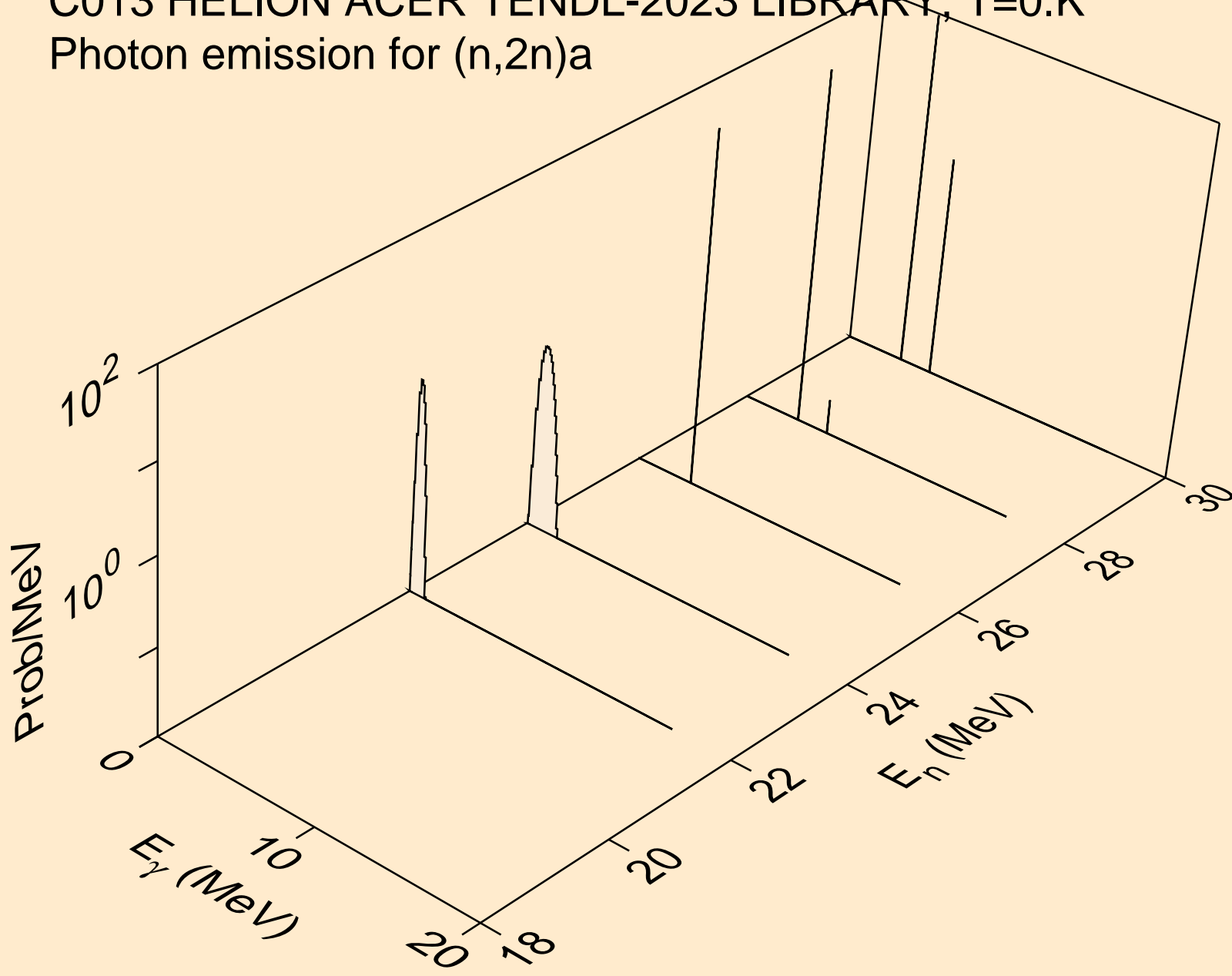
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



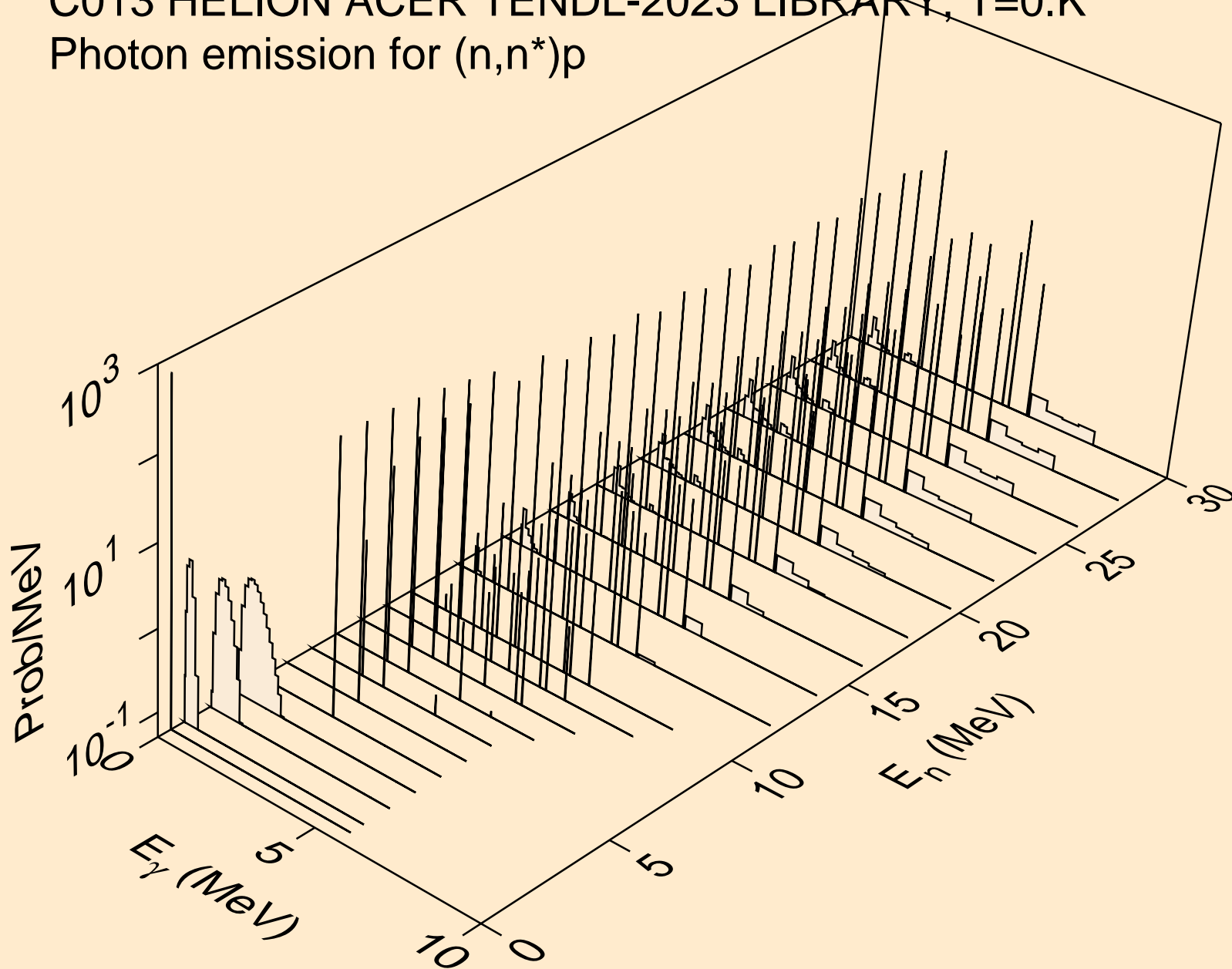
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



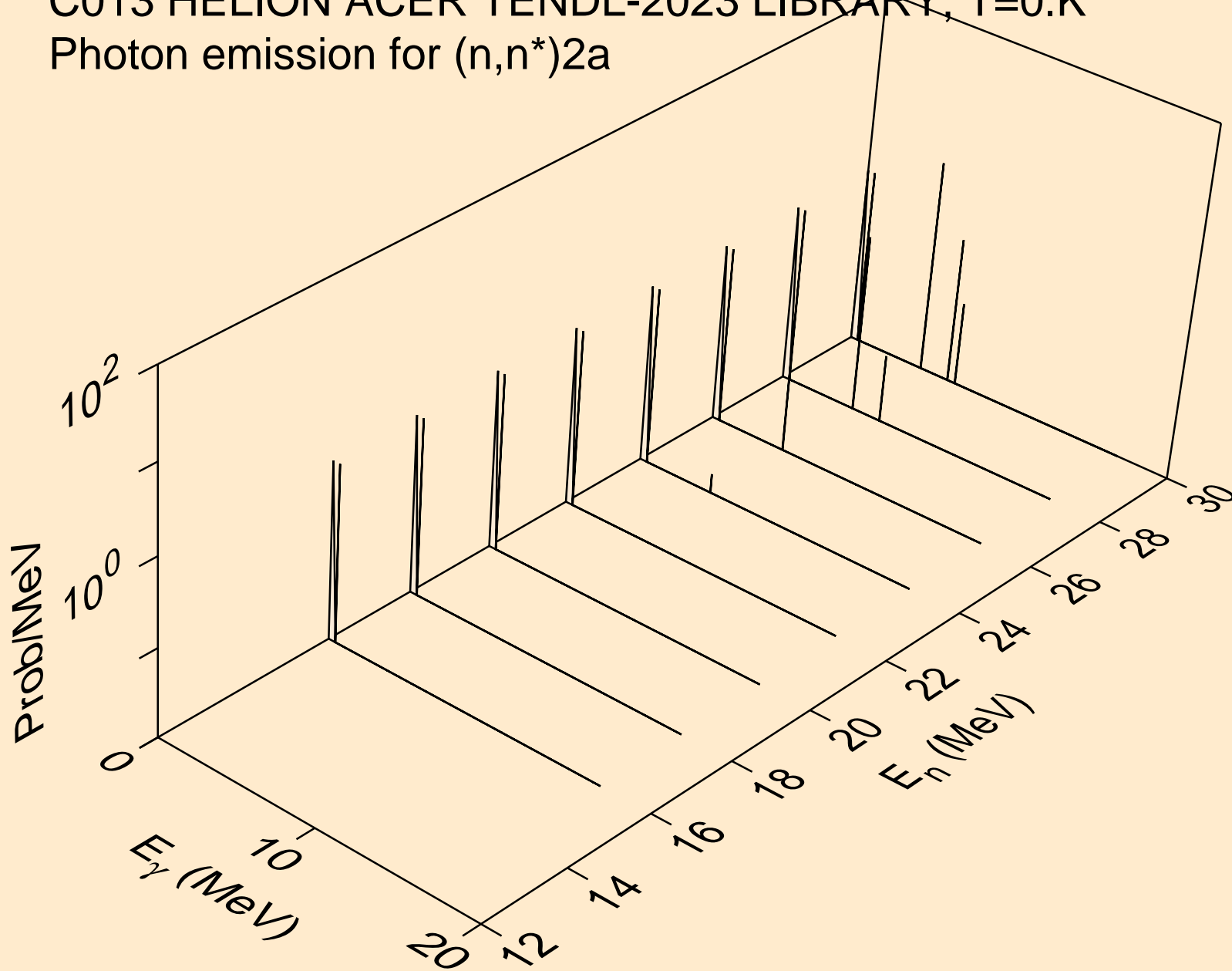
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



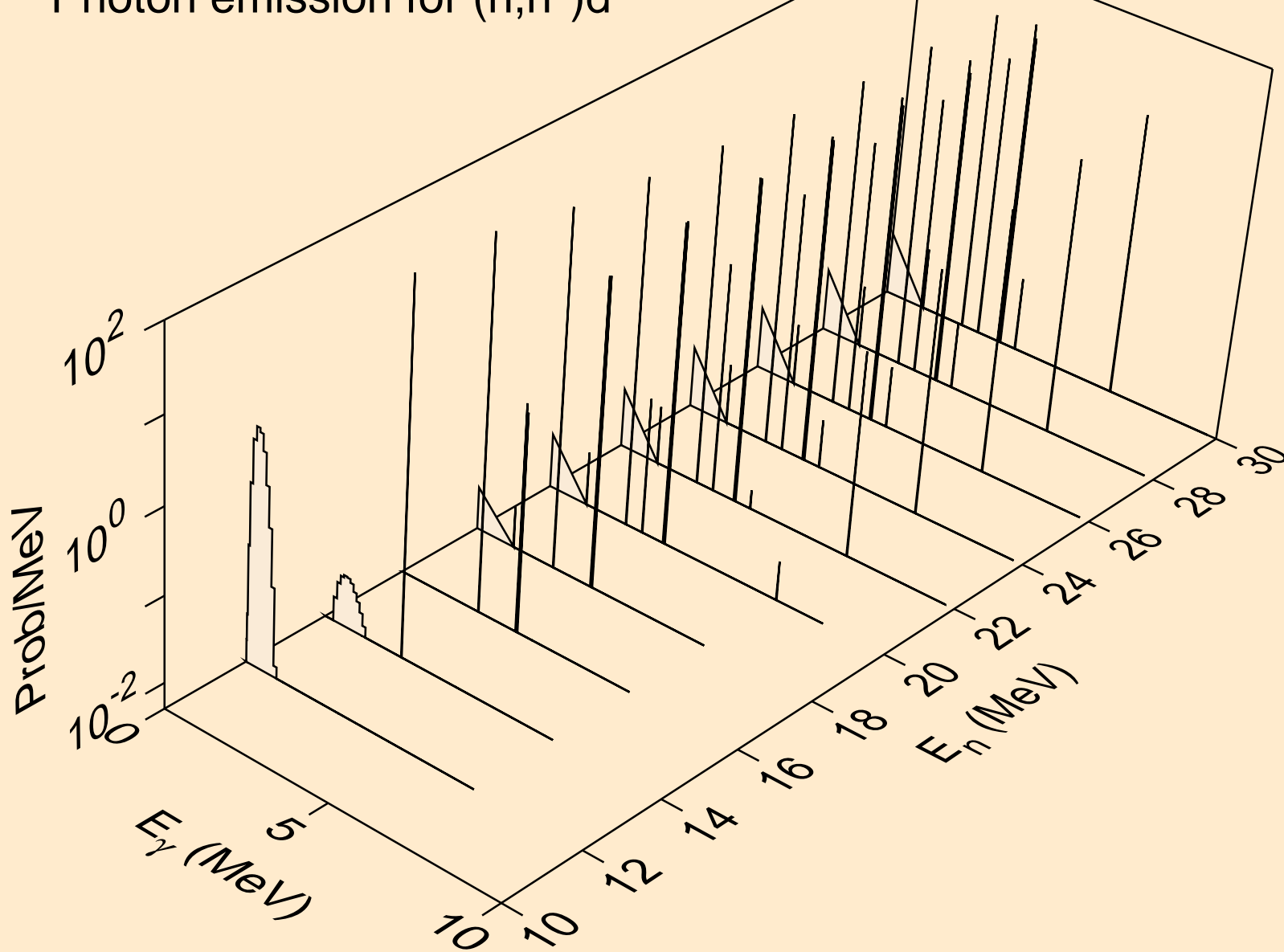
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

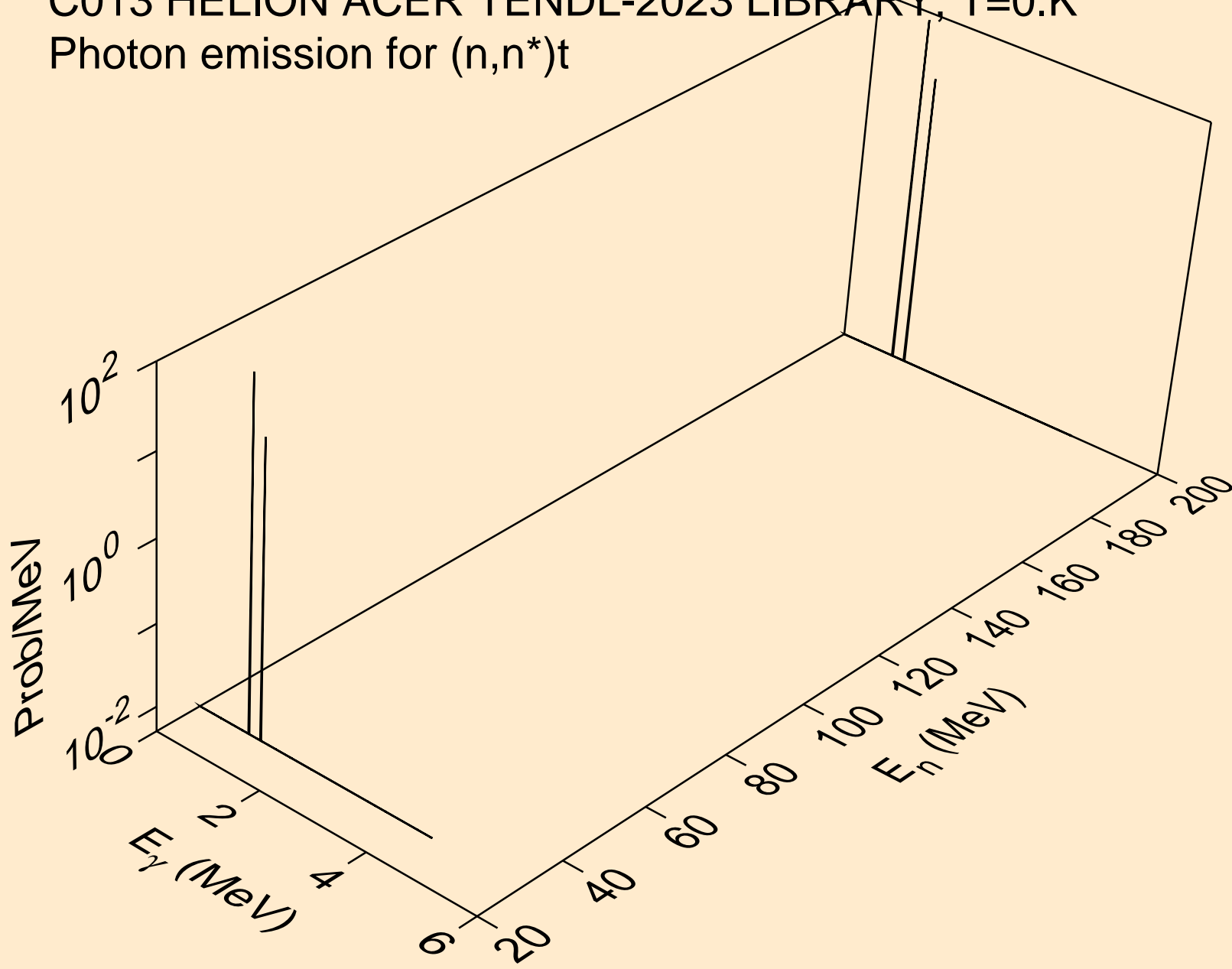


C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

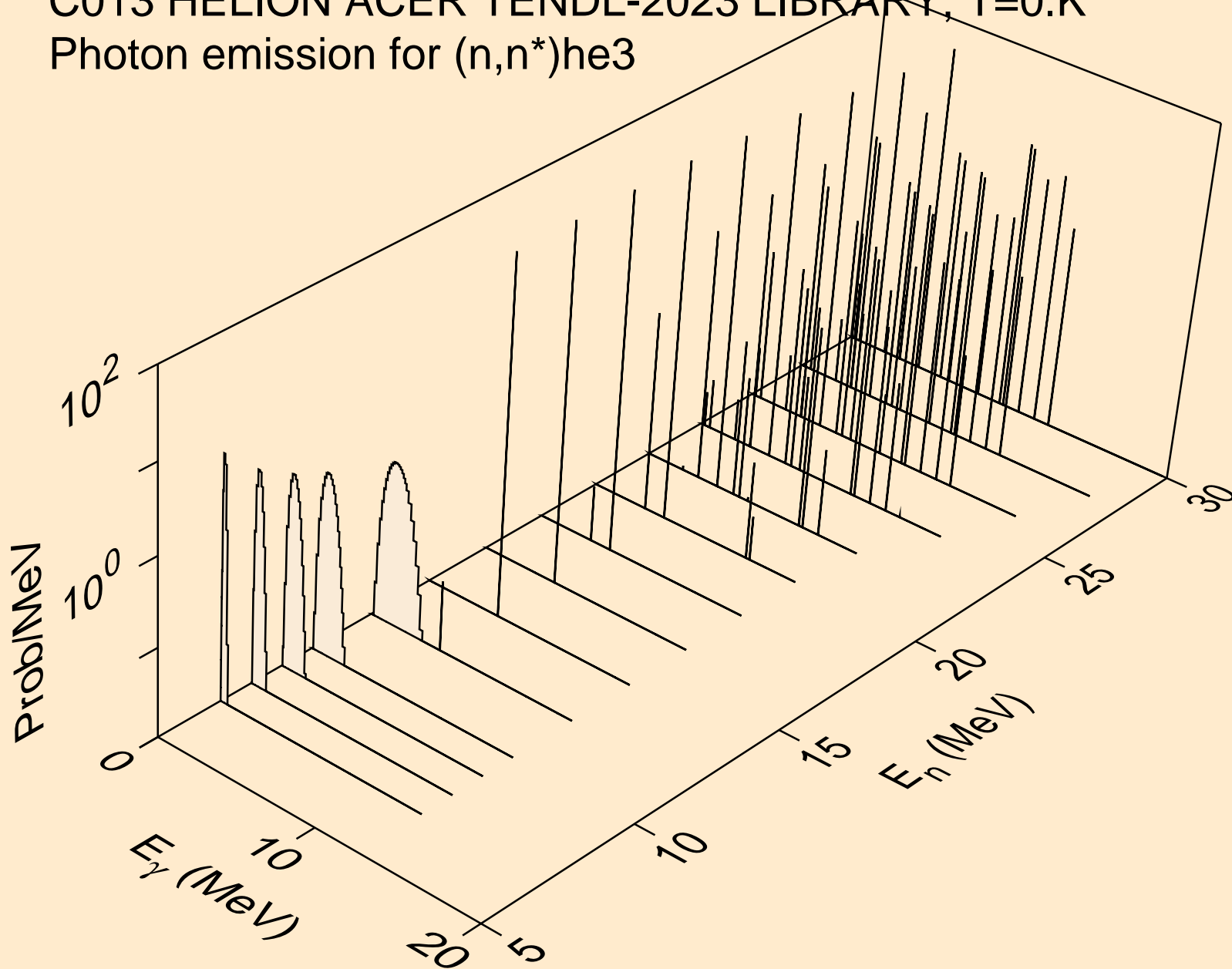




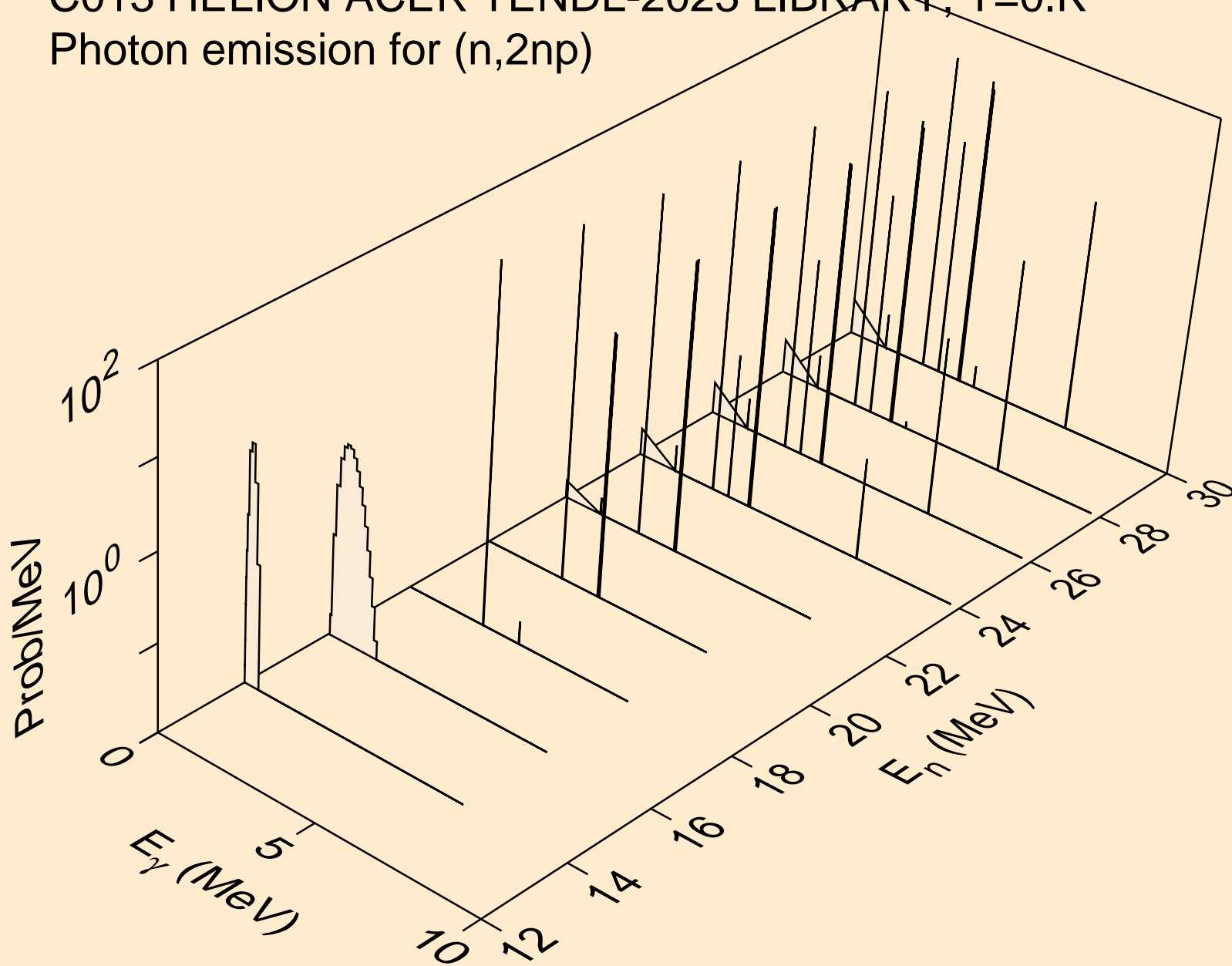
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



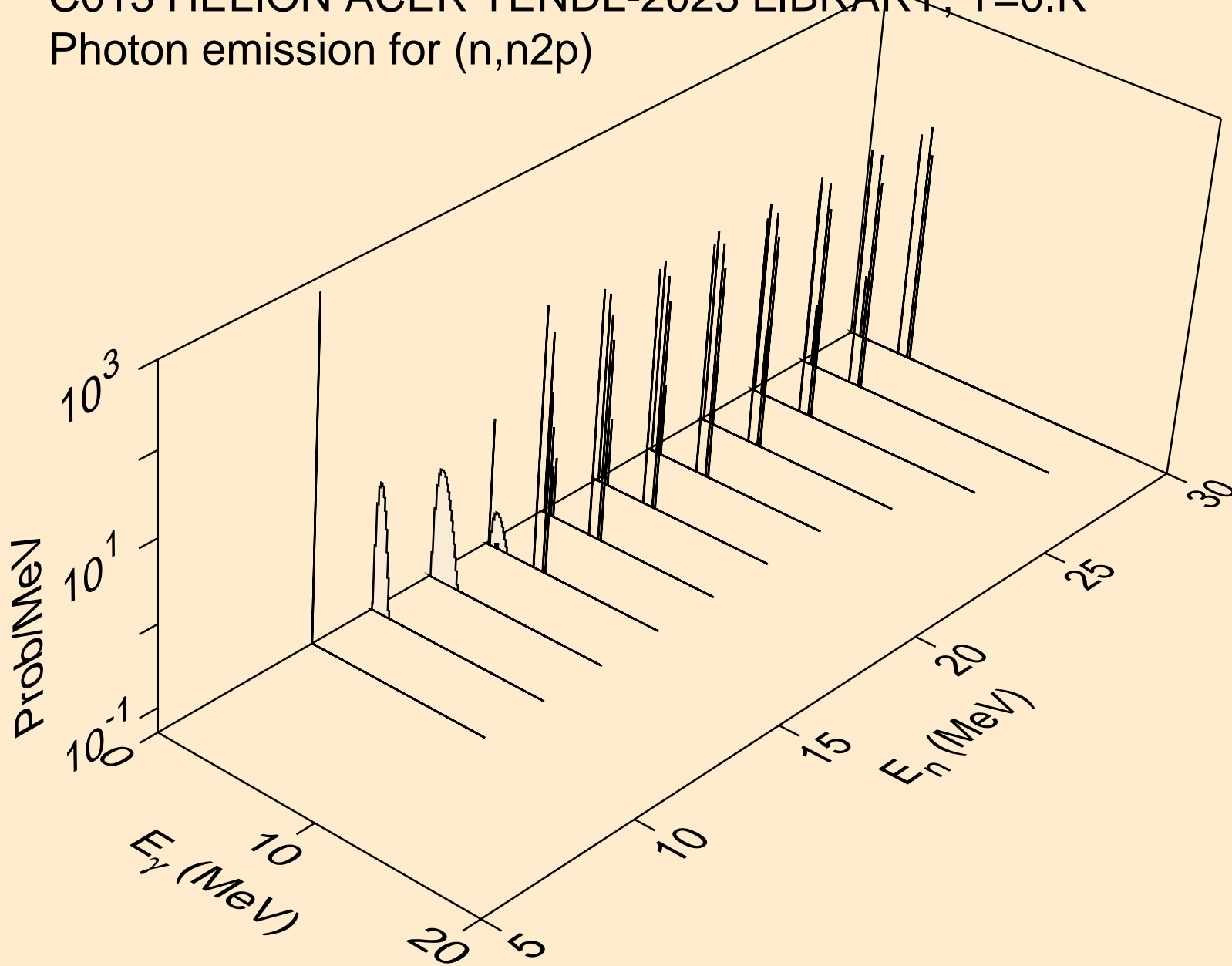
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



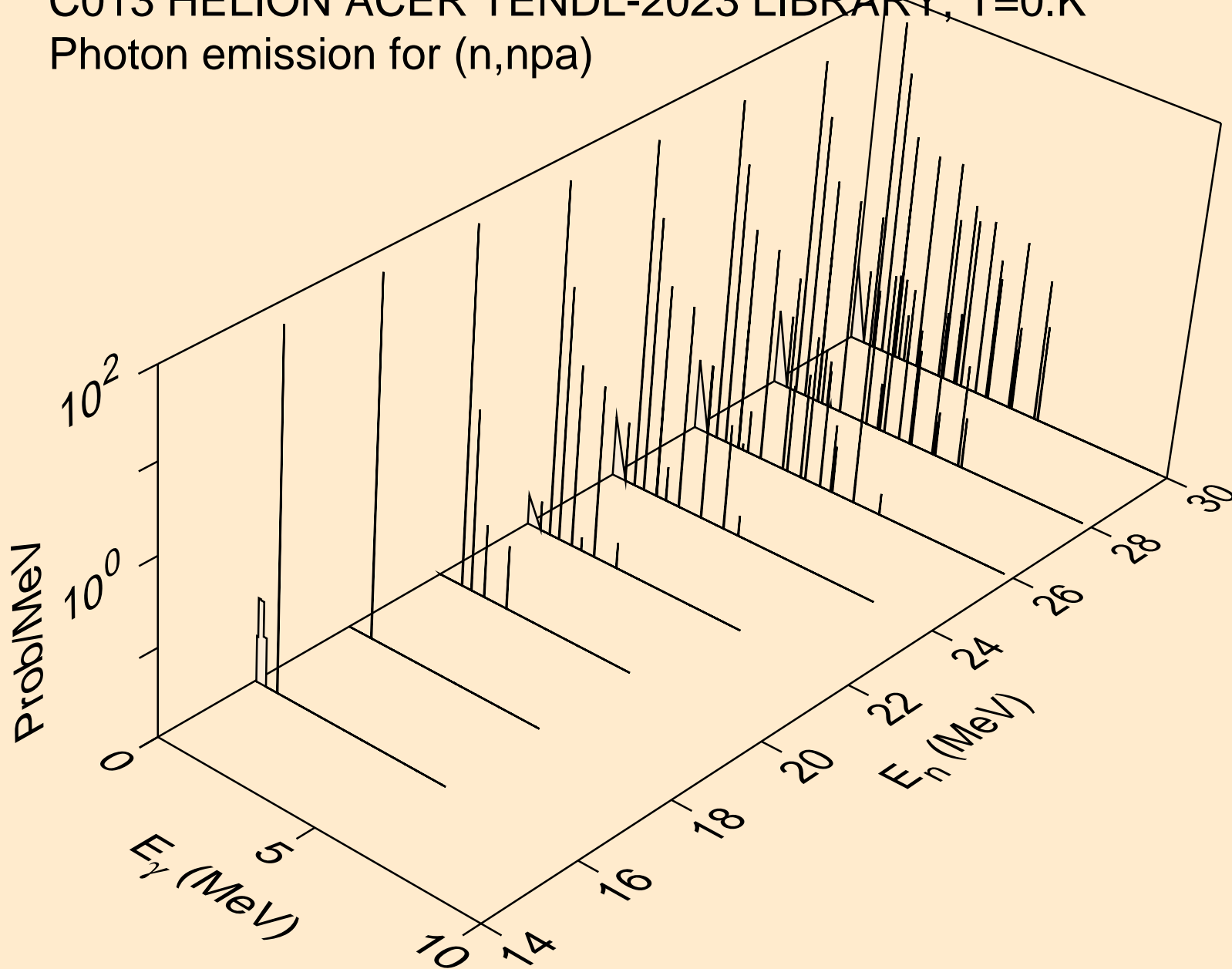
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



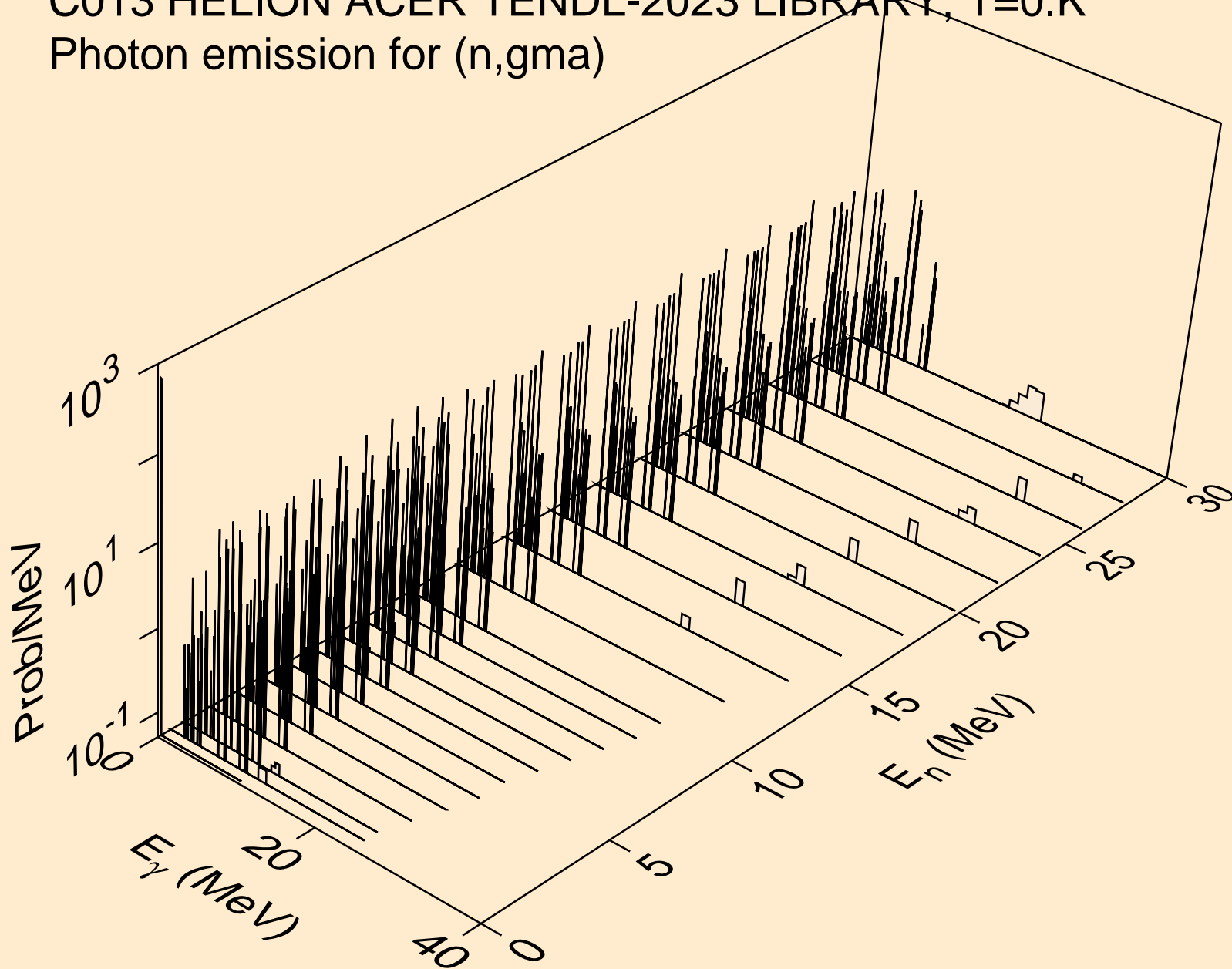
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



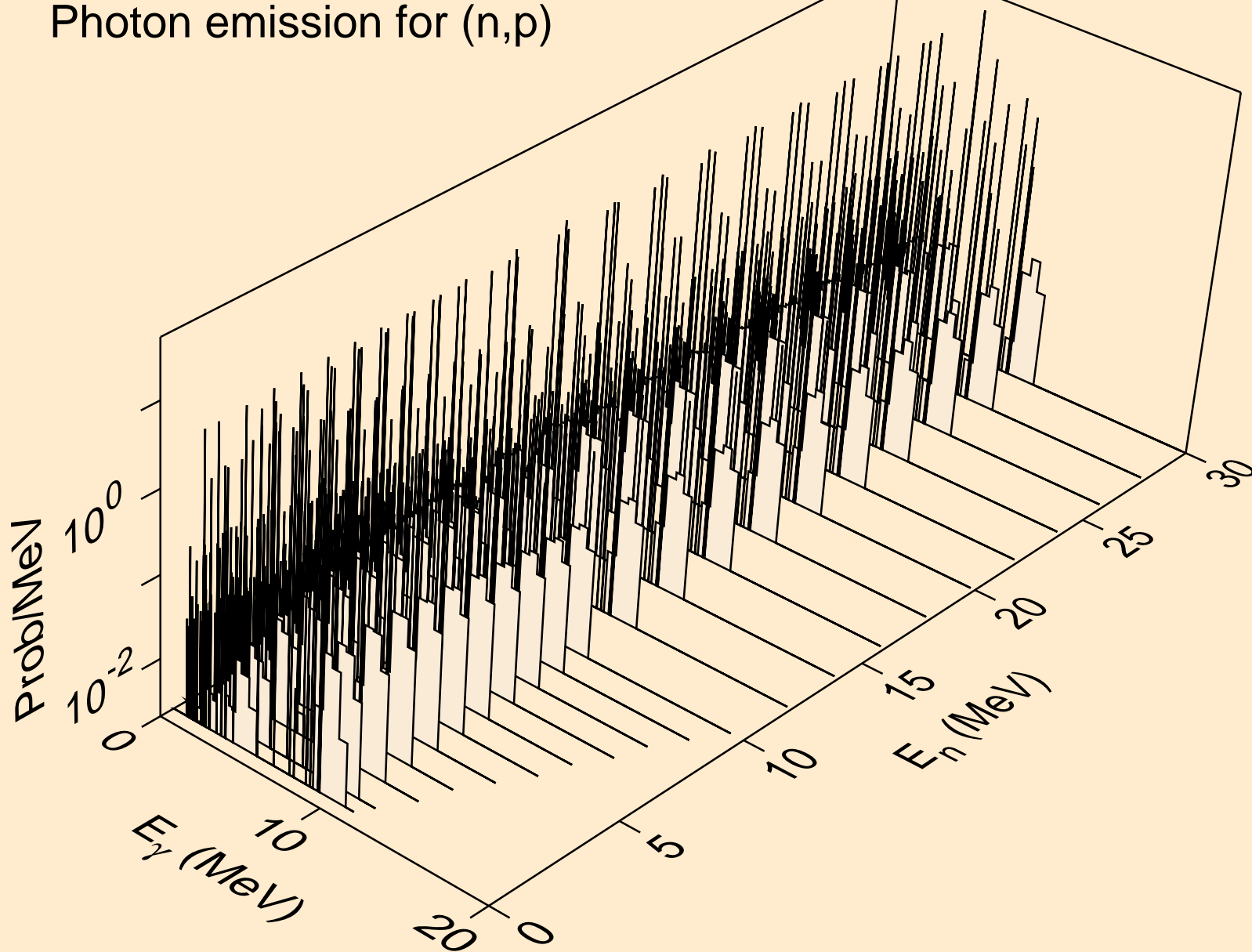
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Photon emission for (n,npa)



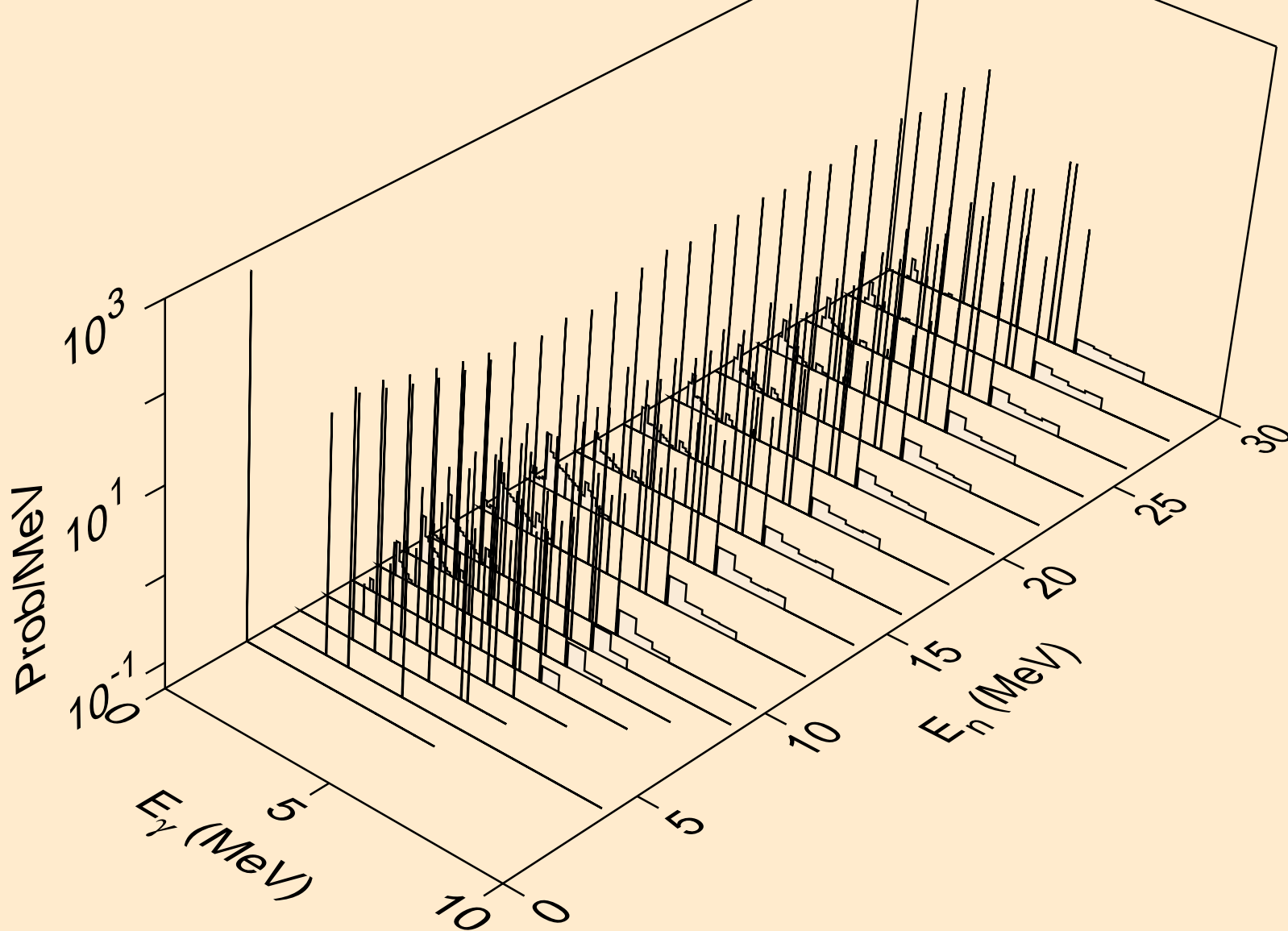
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)

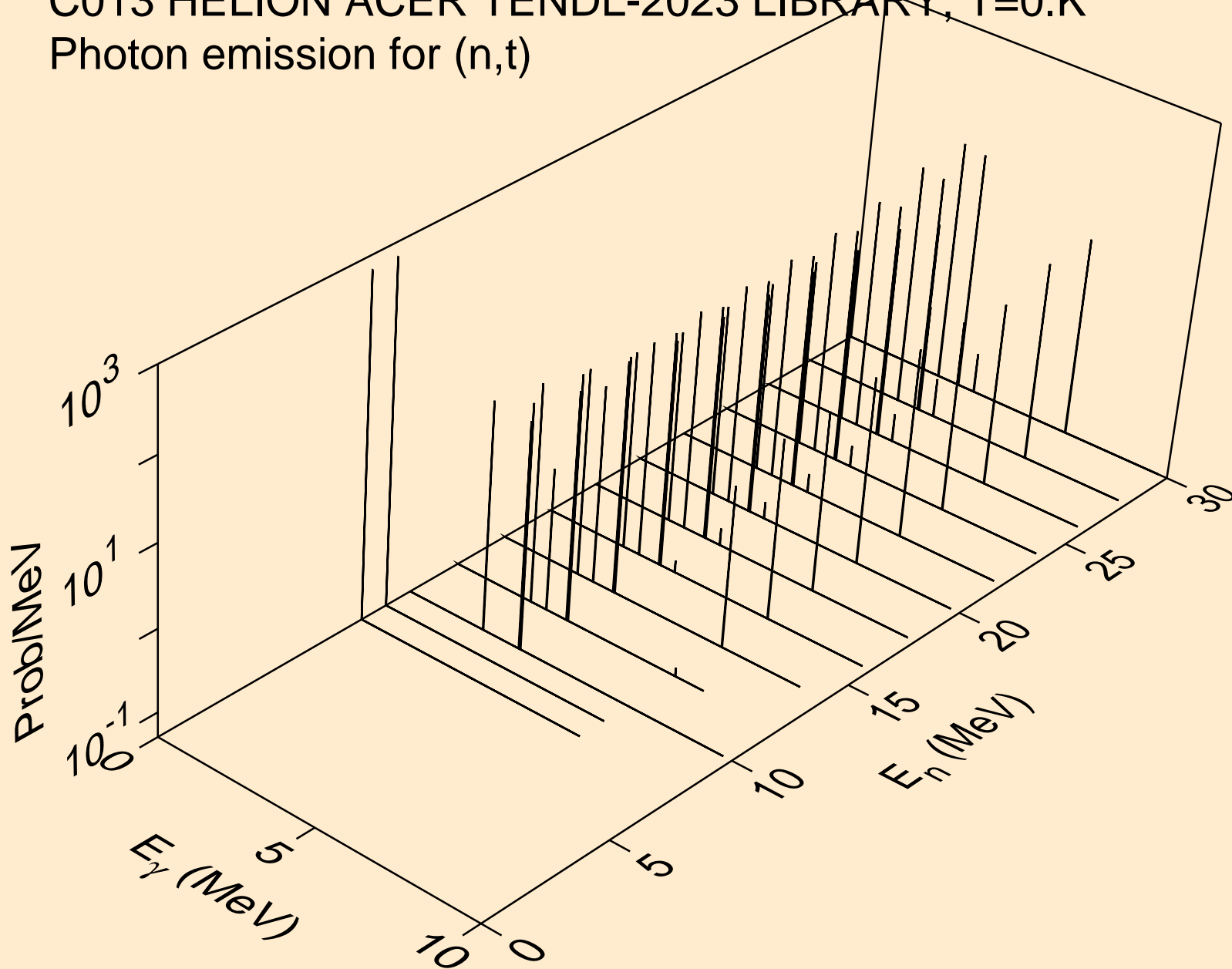


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Photon emission for (n,d)

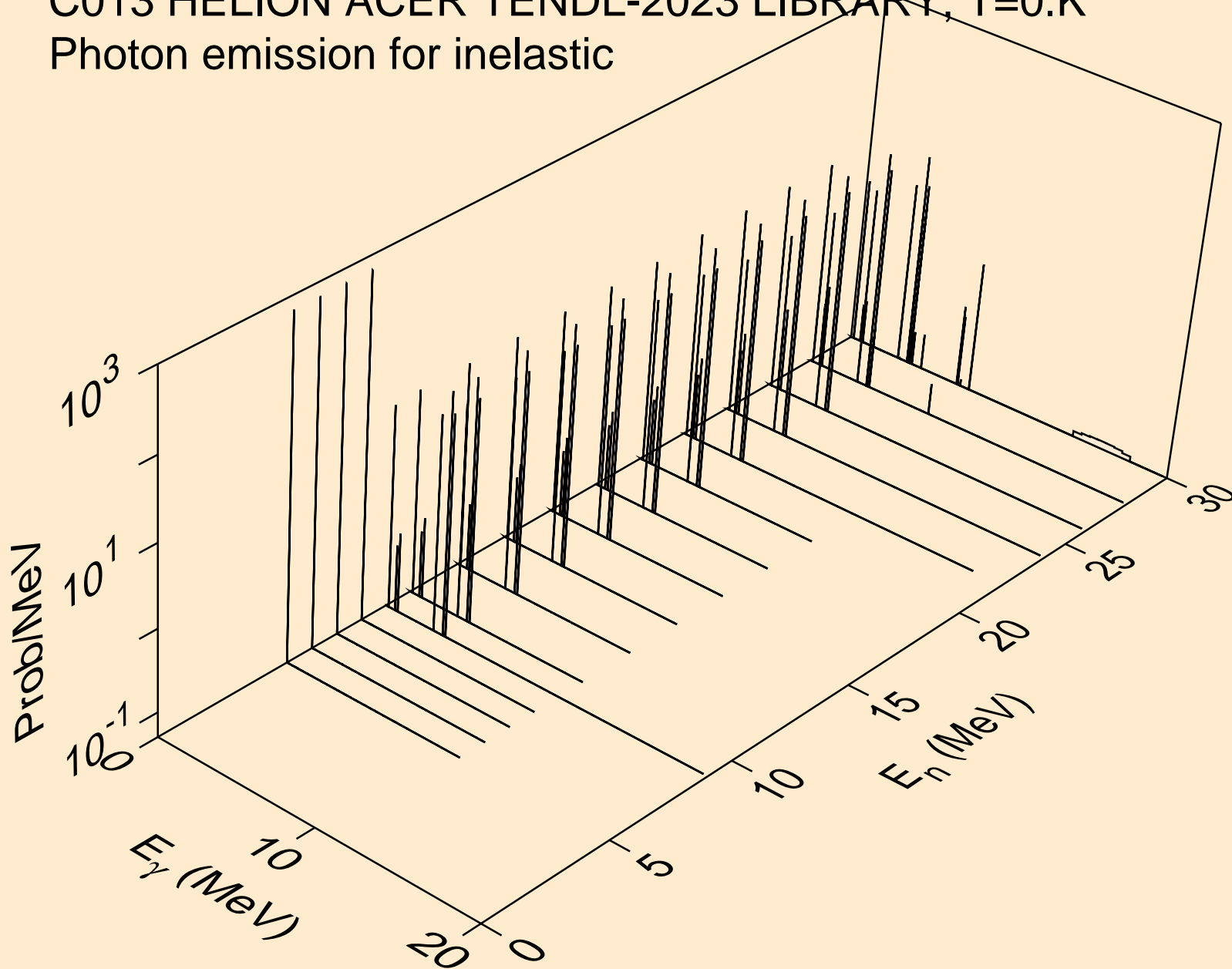




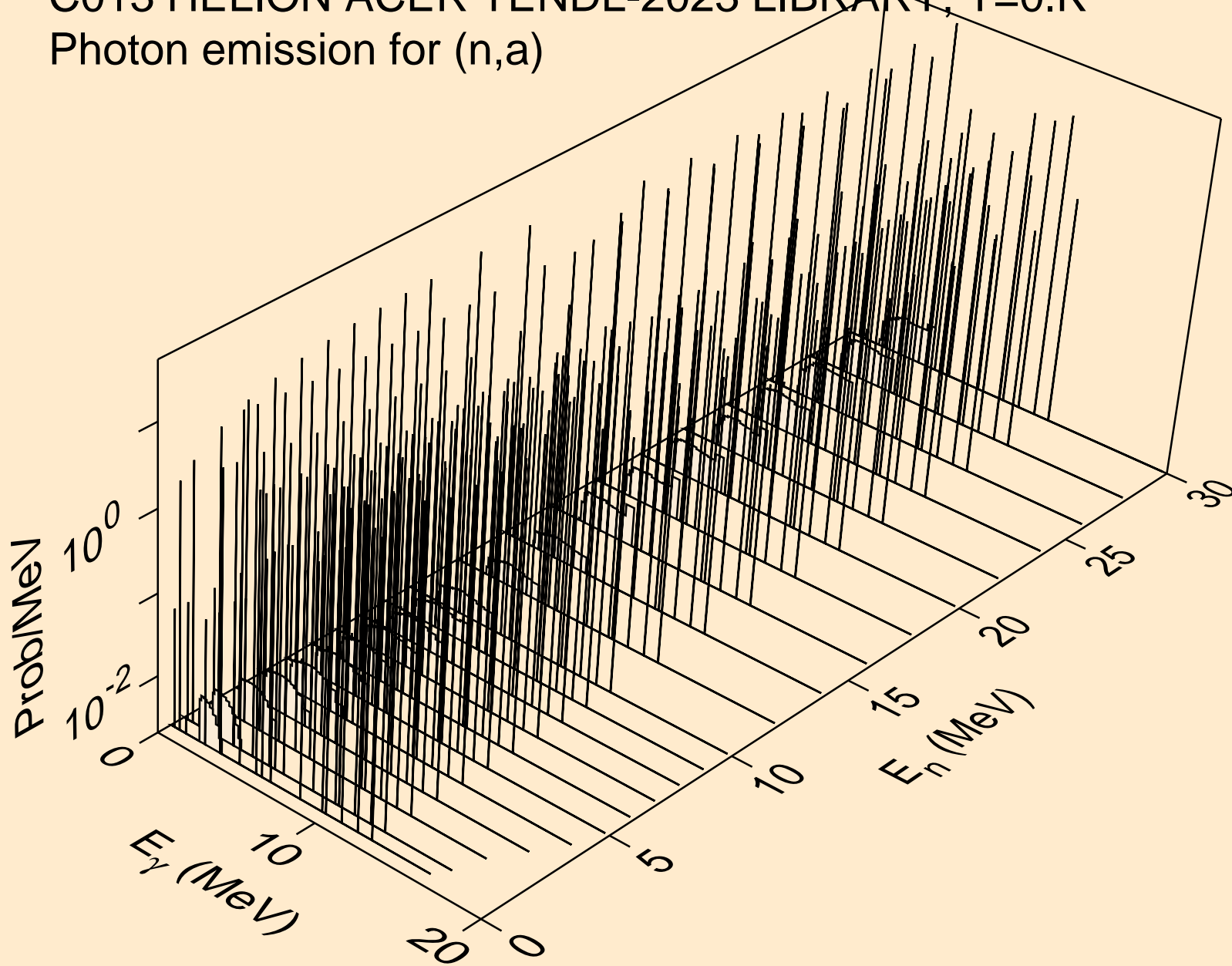
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



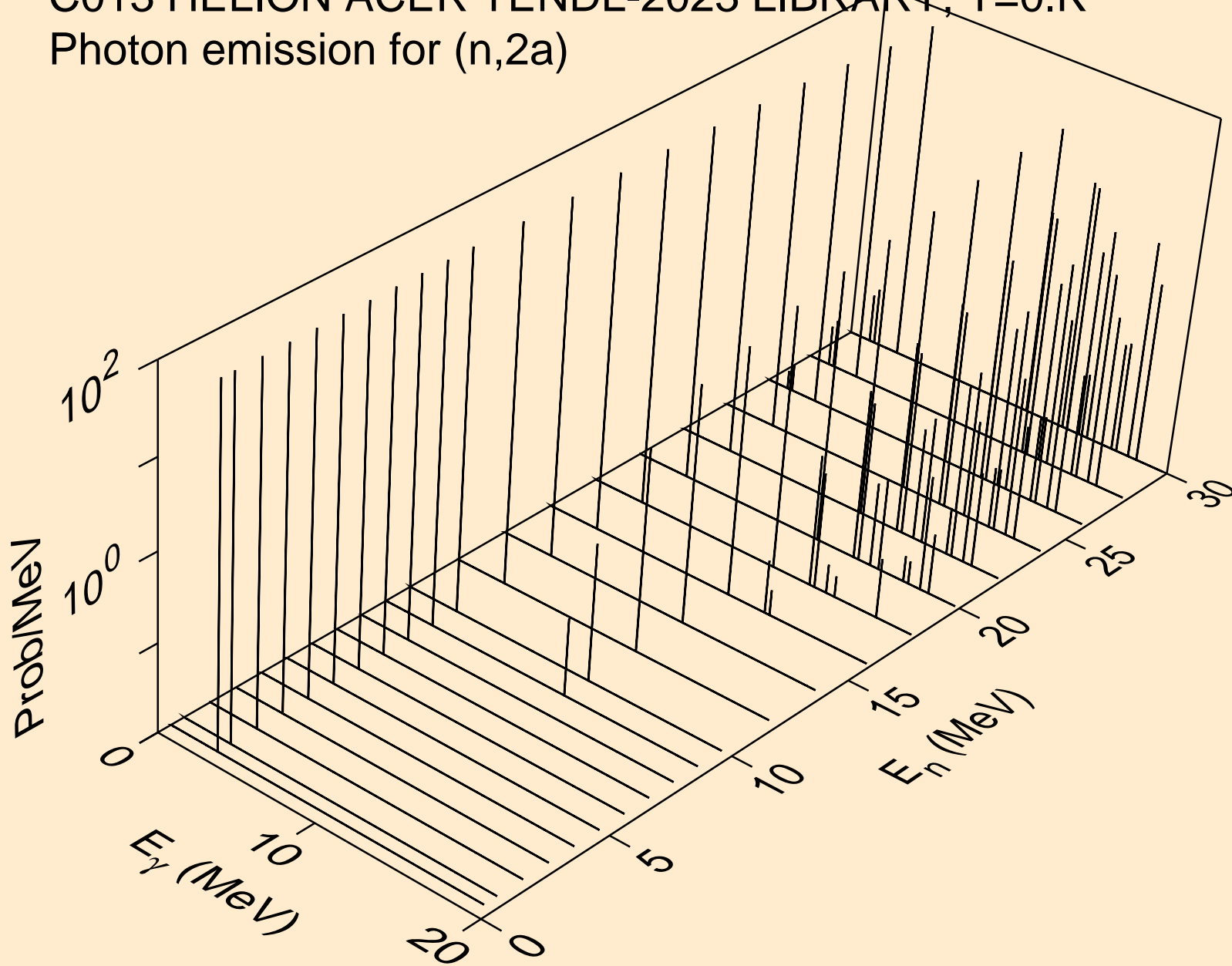
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



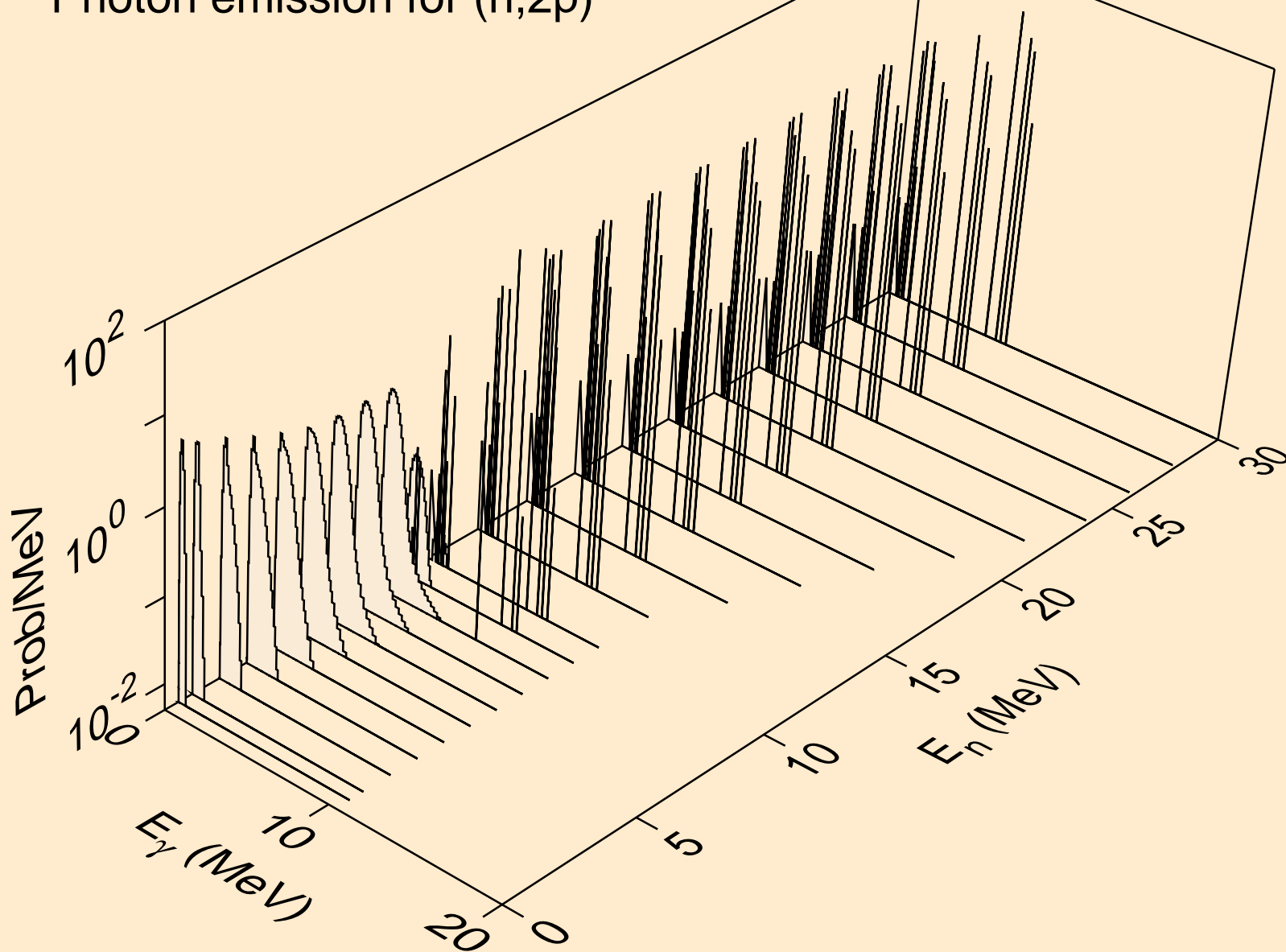
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Photon emission for (n,a)



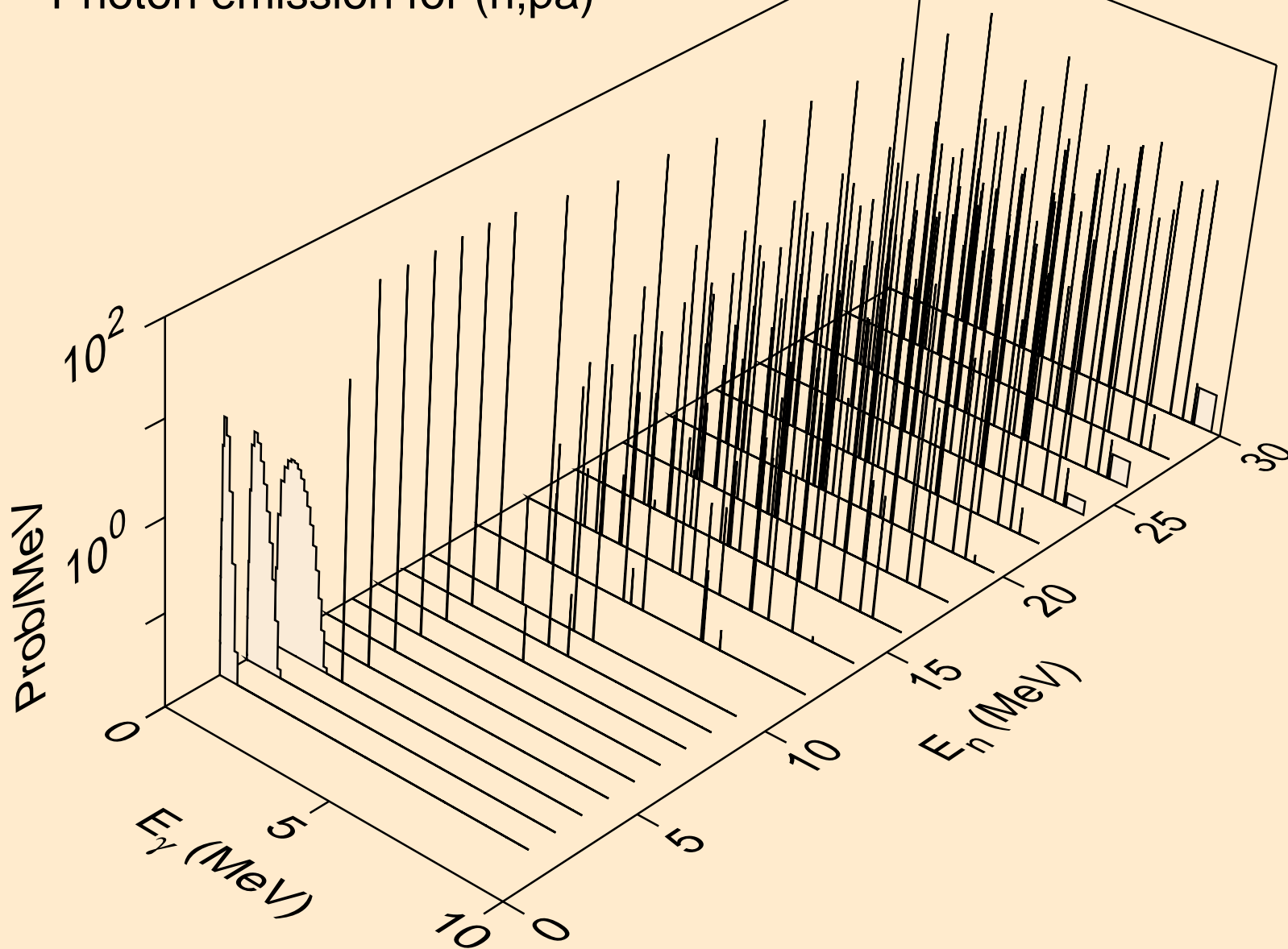
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Photon emission for (n,2a)



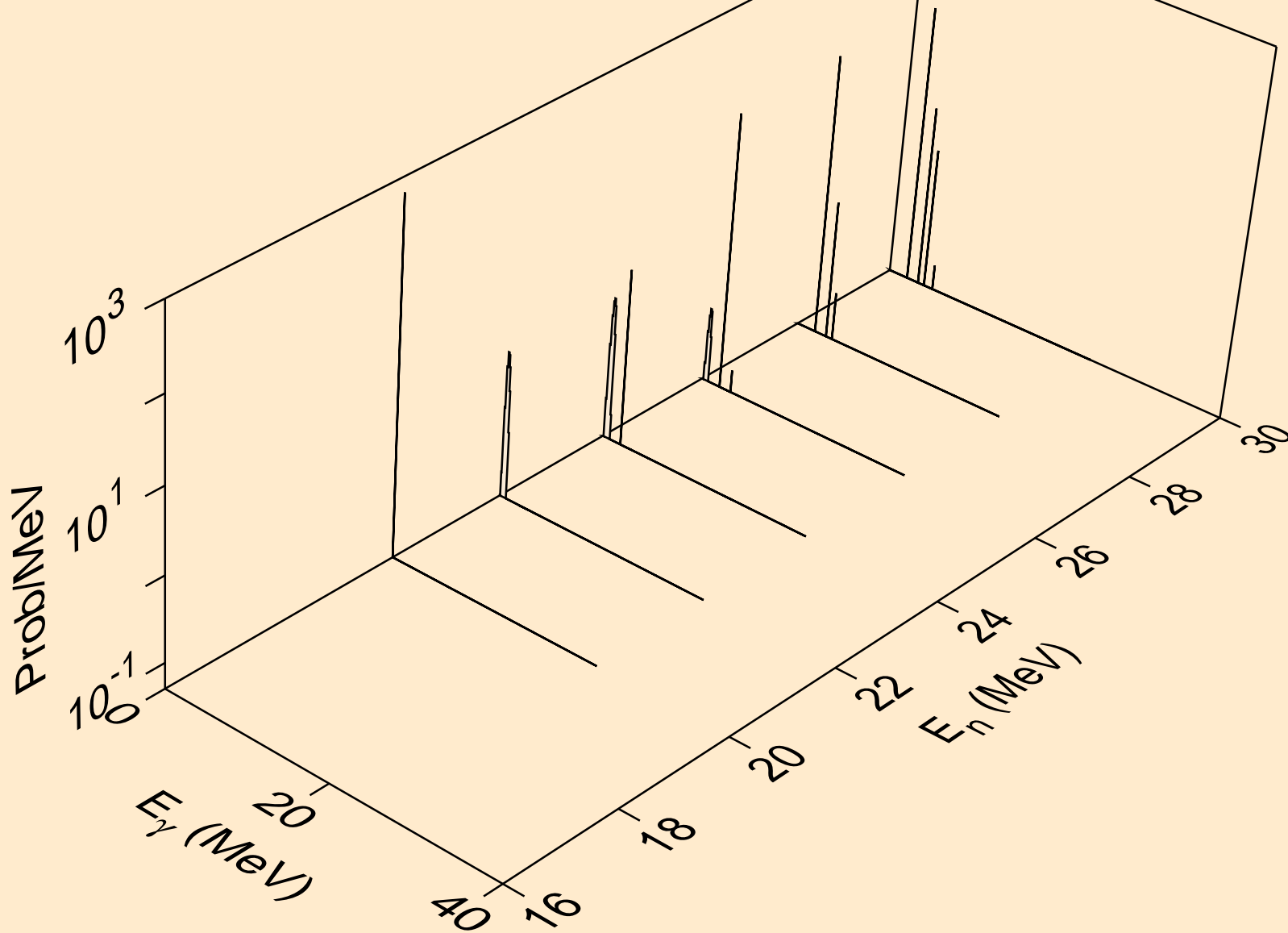
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Photon emission for (n,2p)



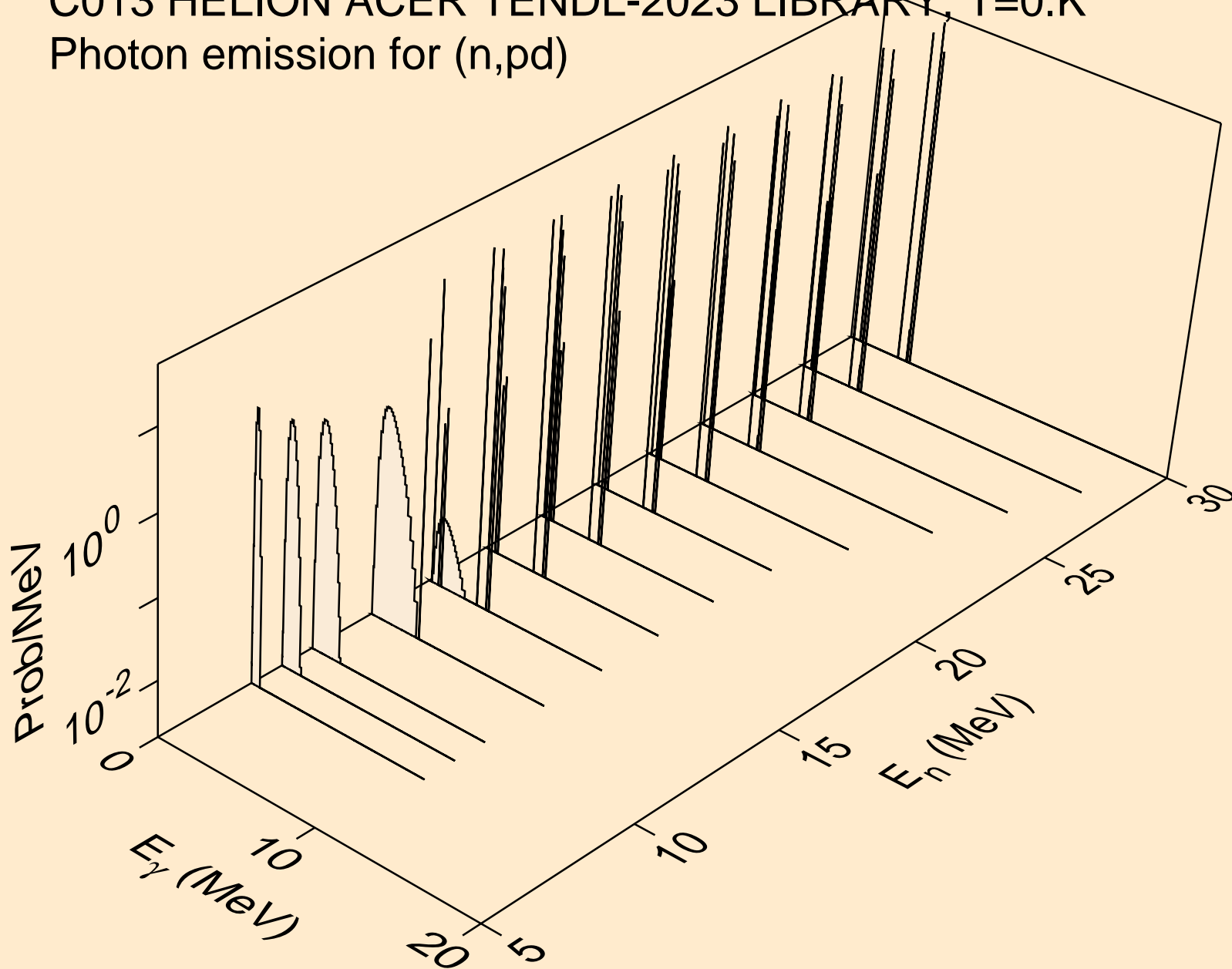
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d2a)

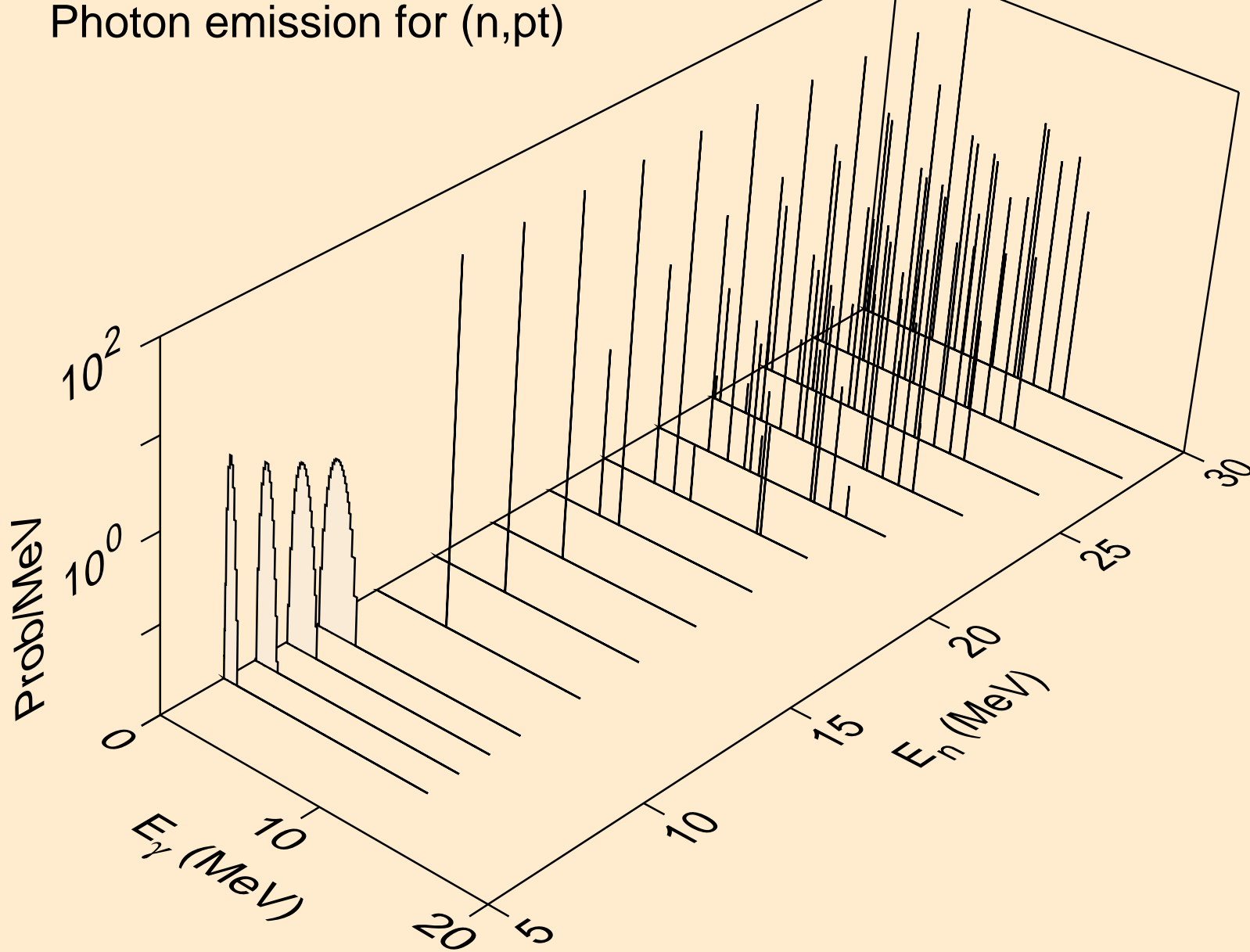


C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)

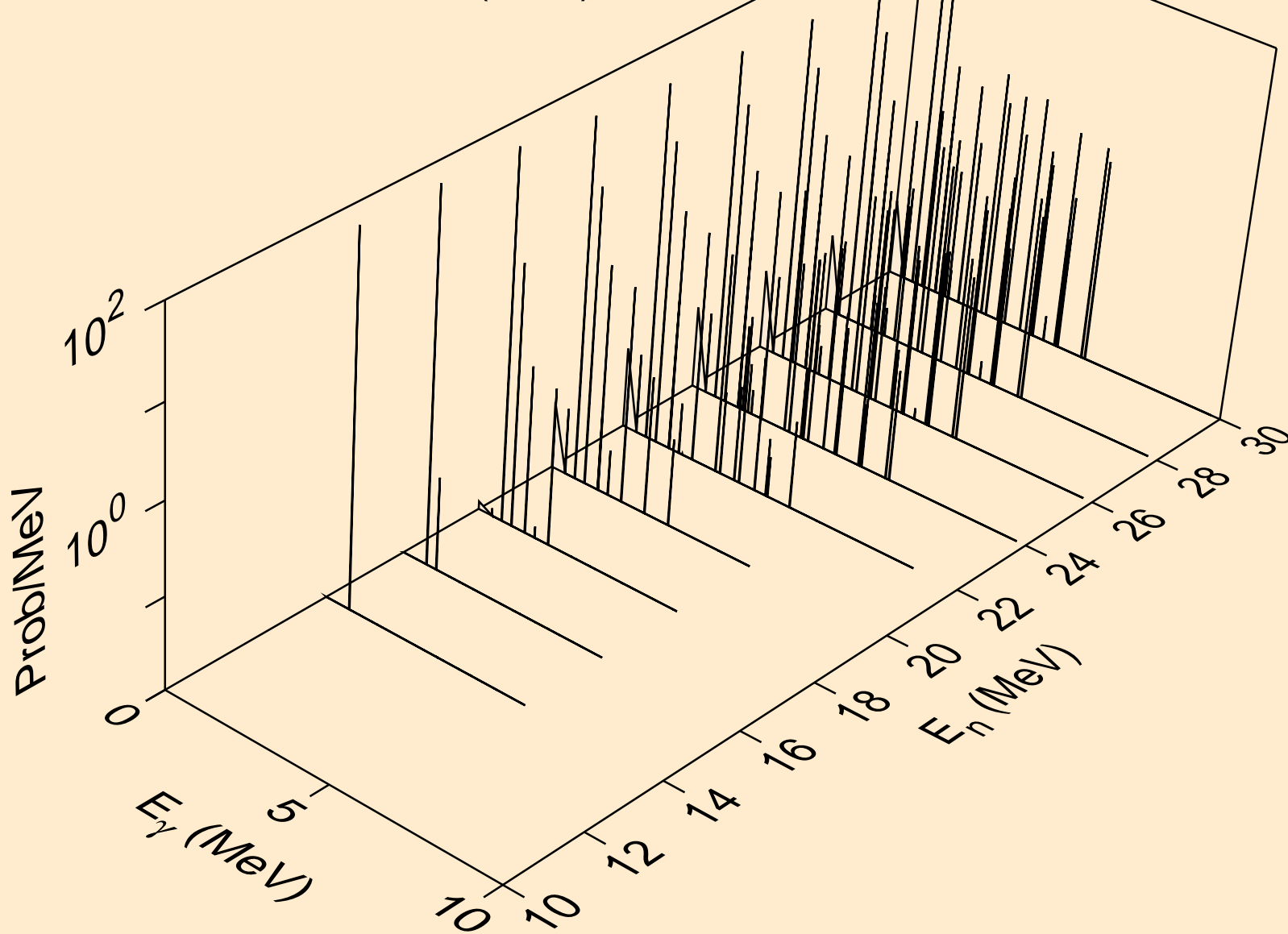




C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

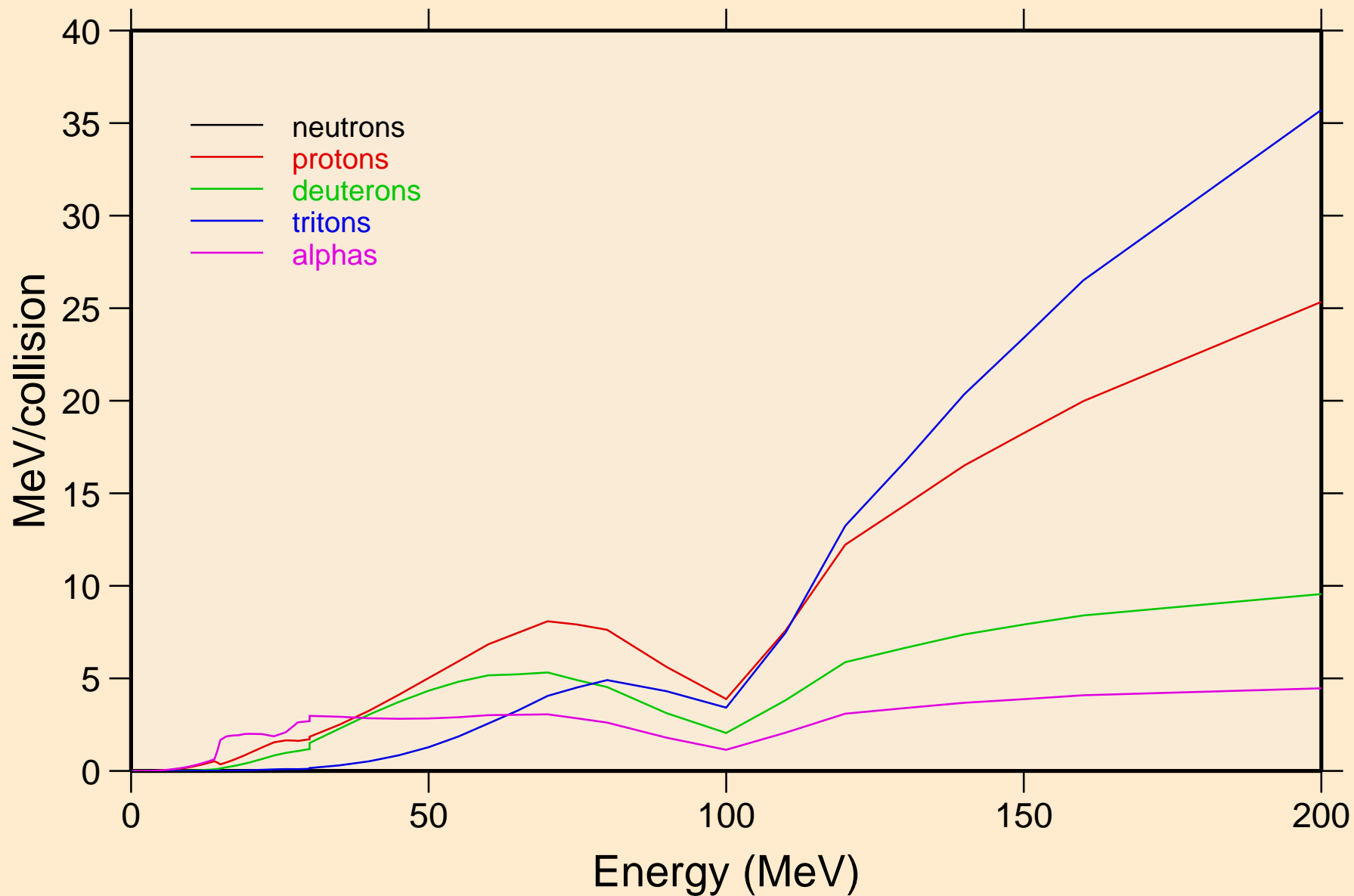


C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



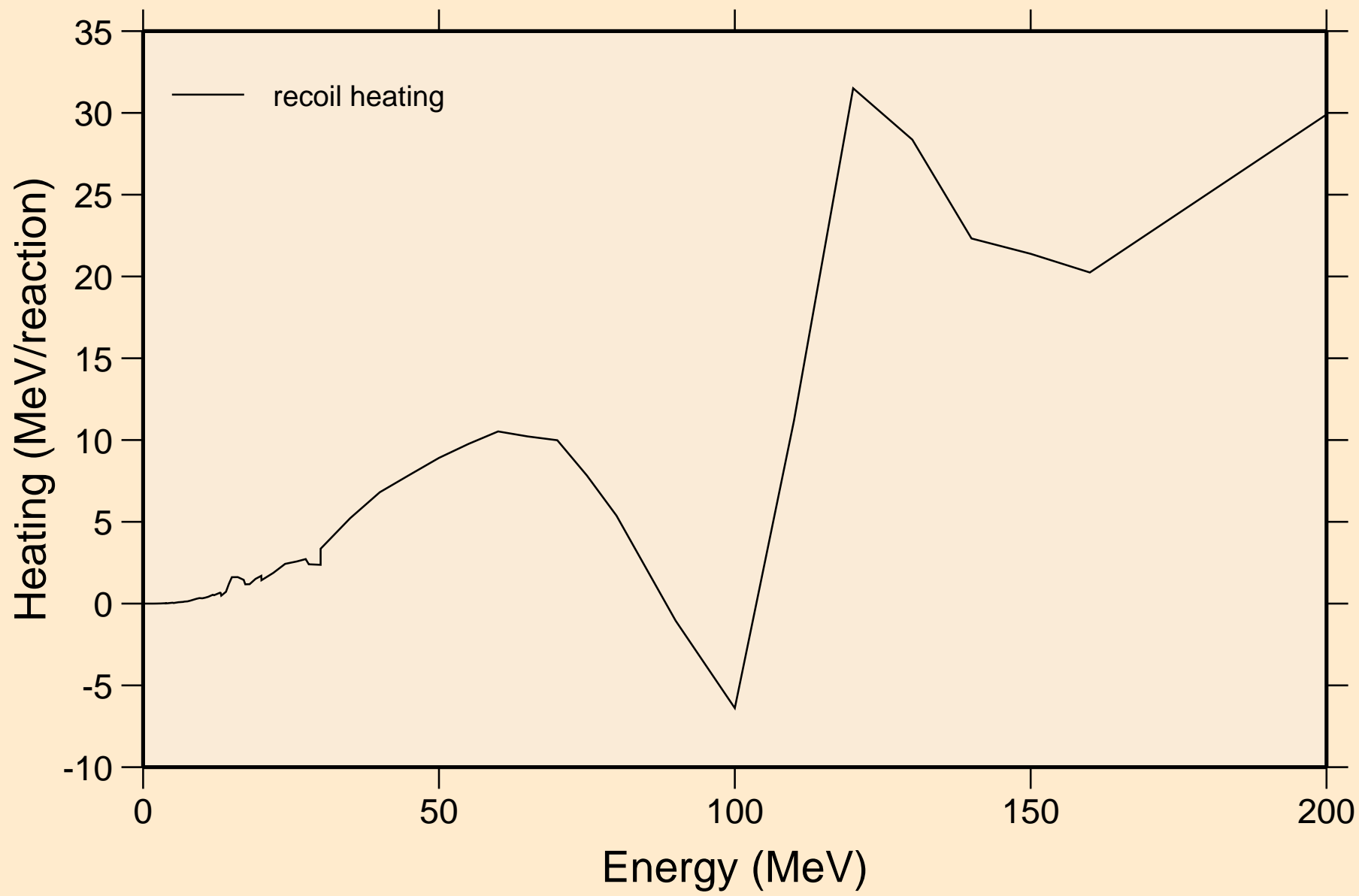
# C013 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



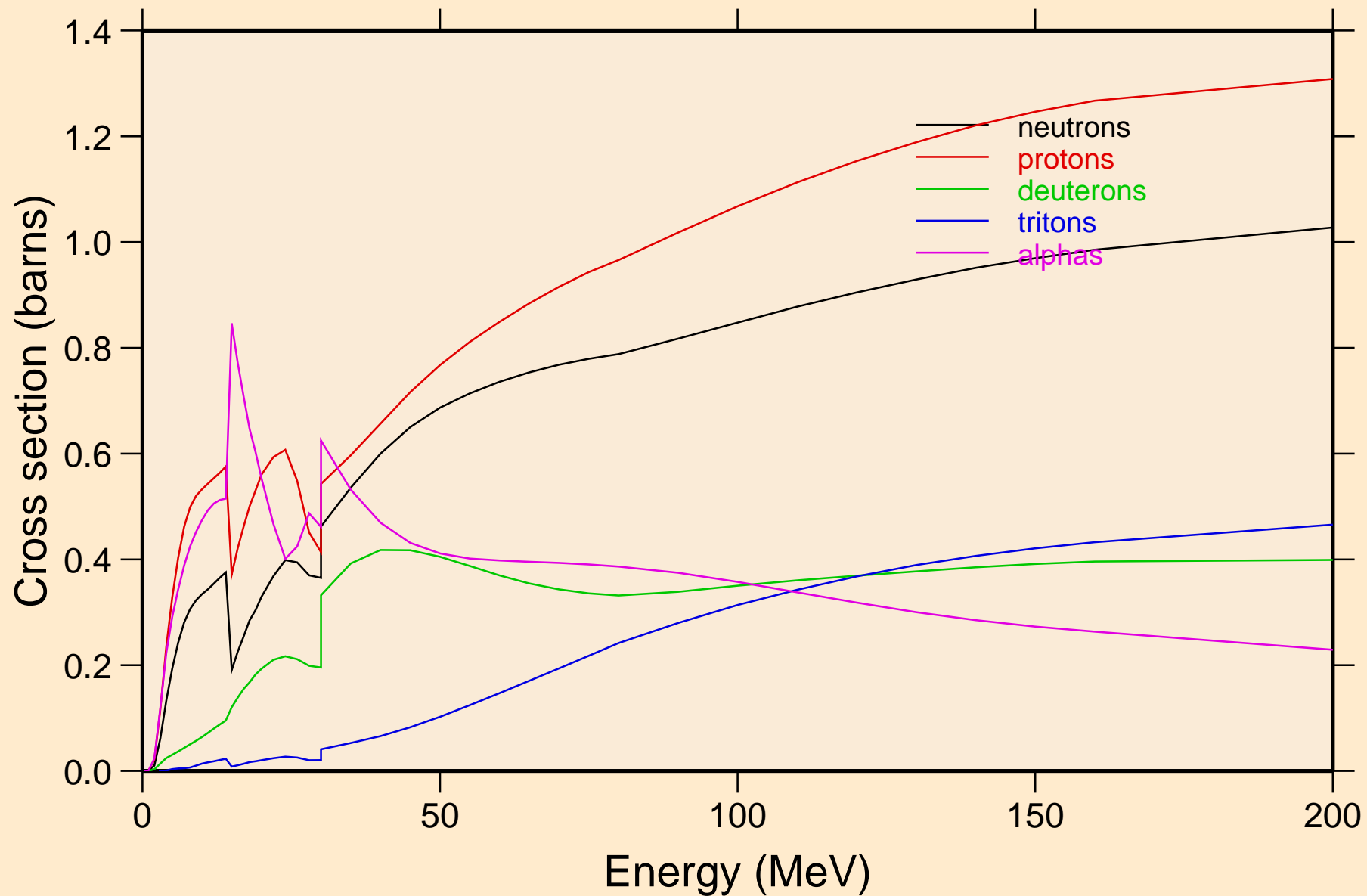
# C013 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Recoil Heating

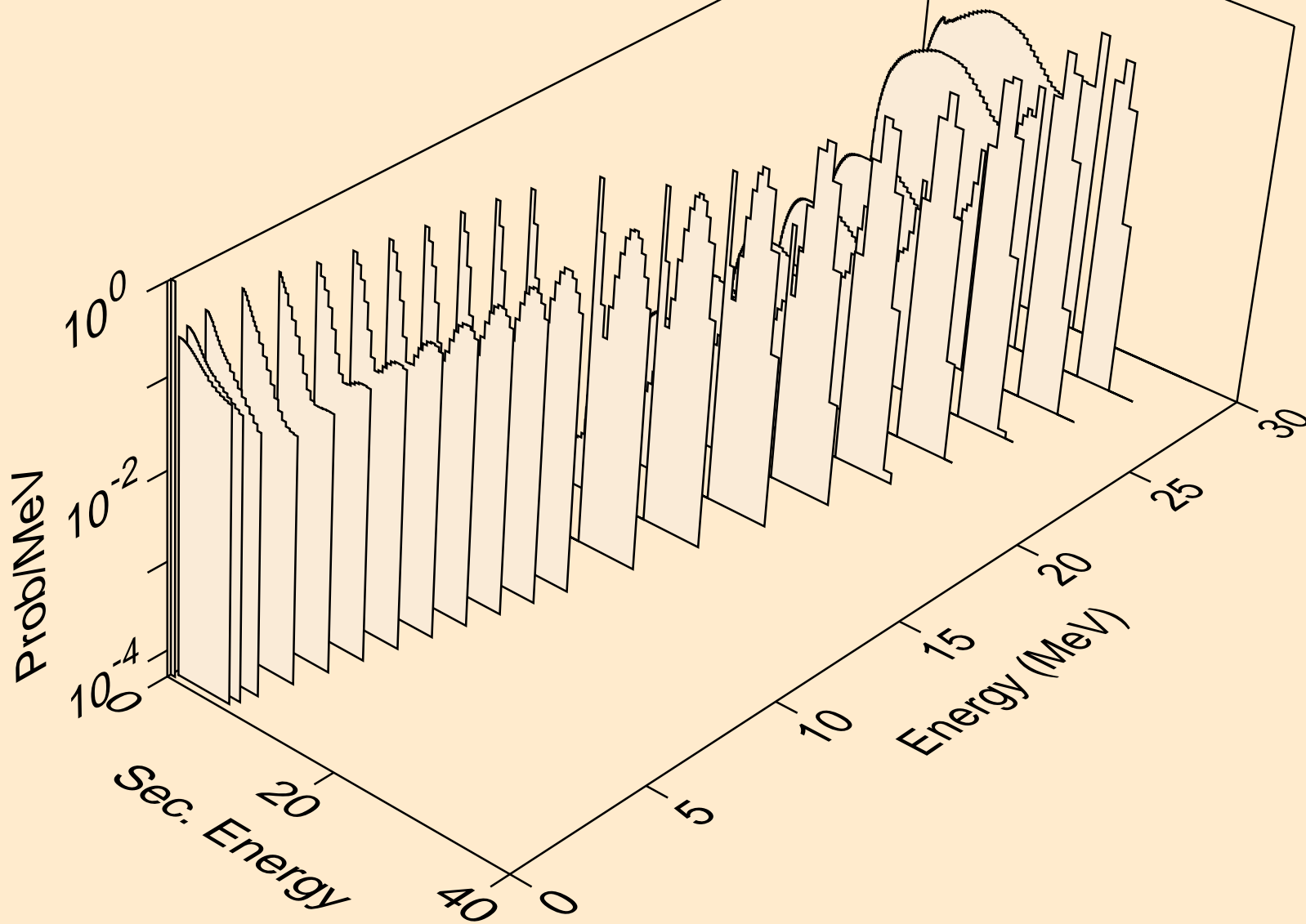


# C013 HELION ACER TENDL-2023 LIBRARY; T=0.K

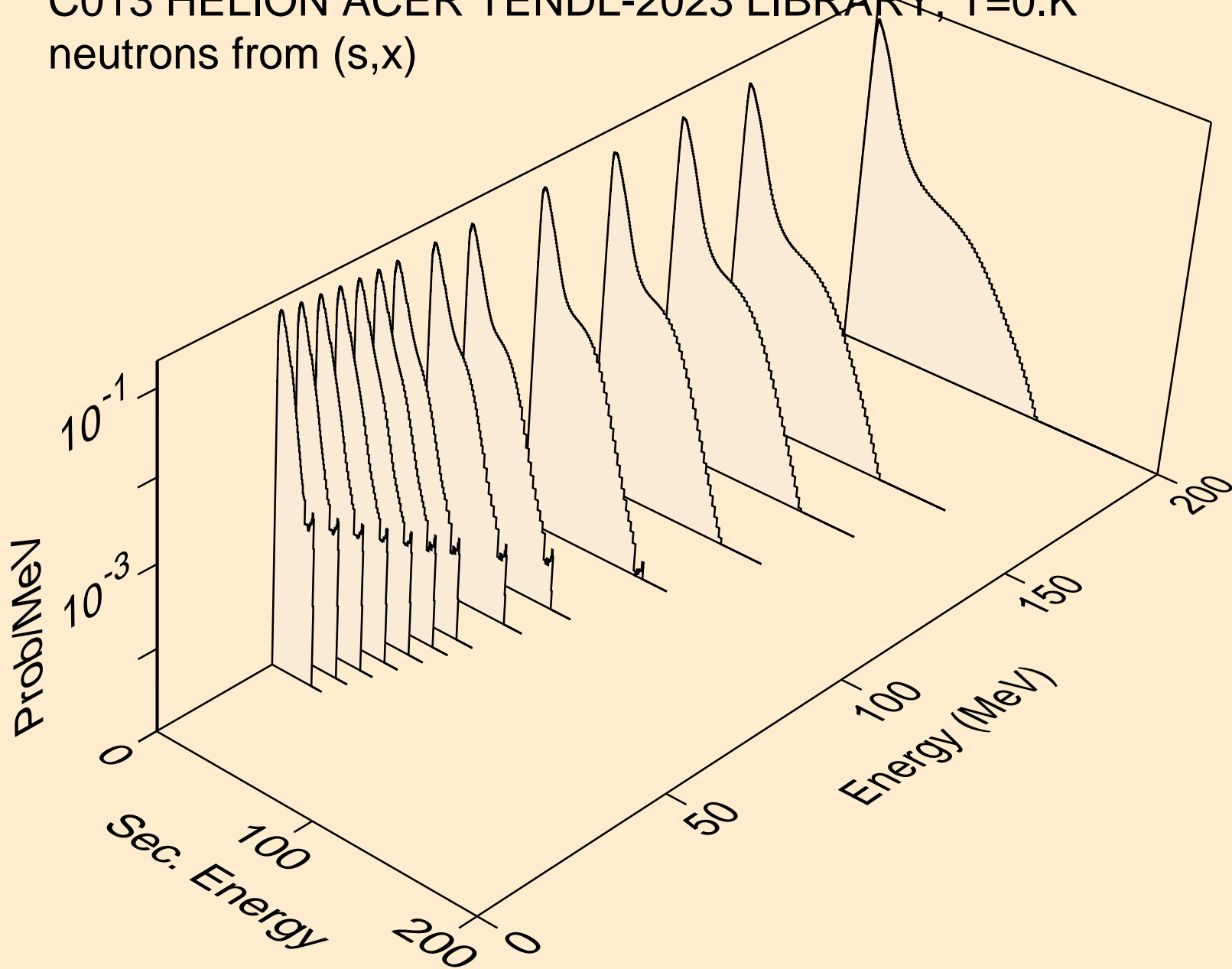
## Particle production cross sections



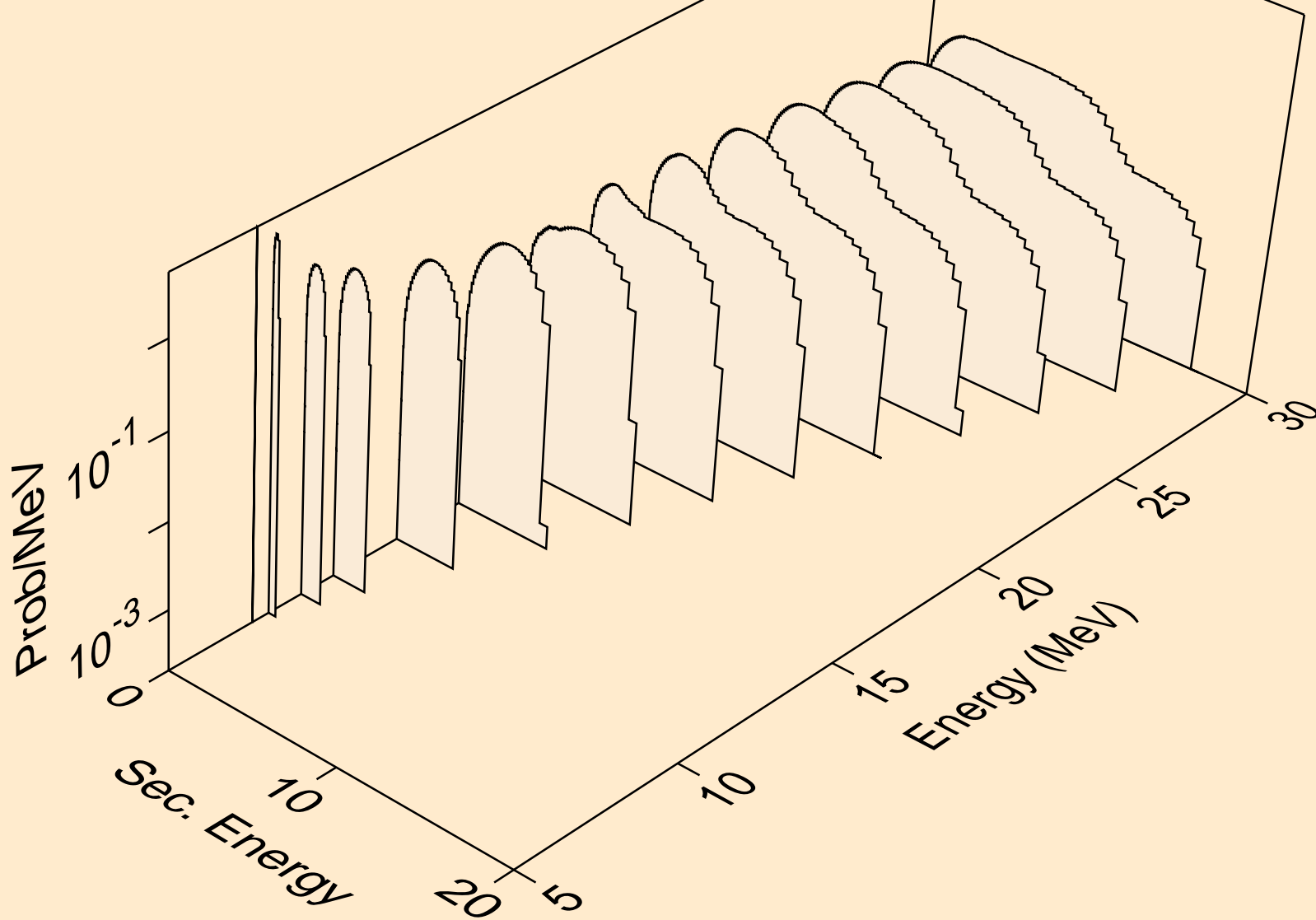
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,x)

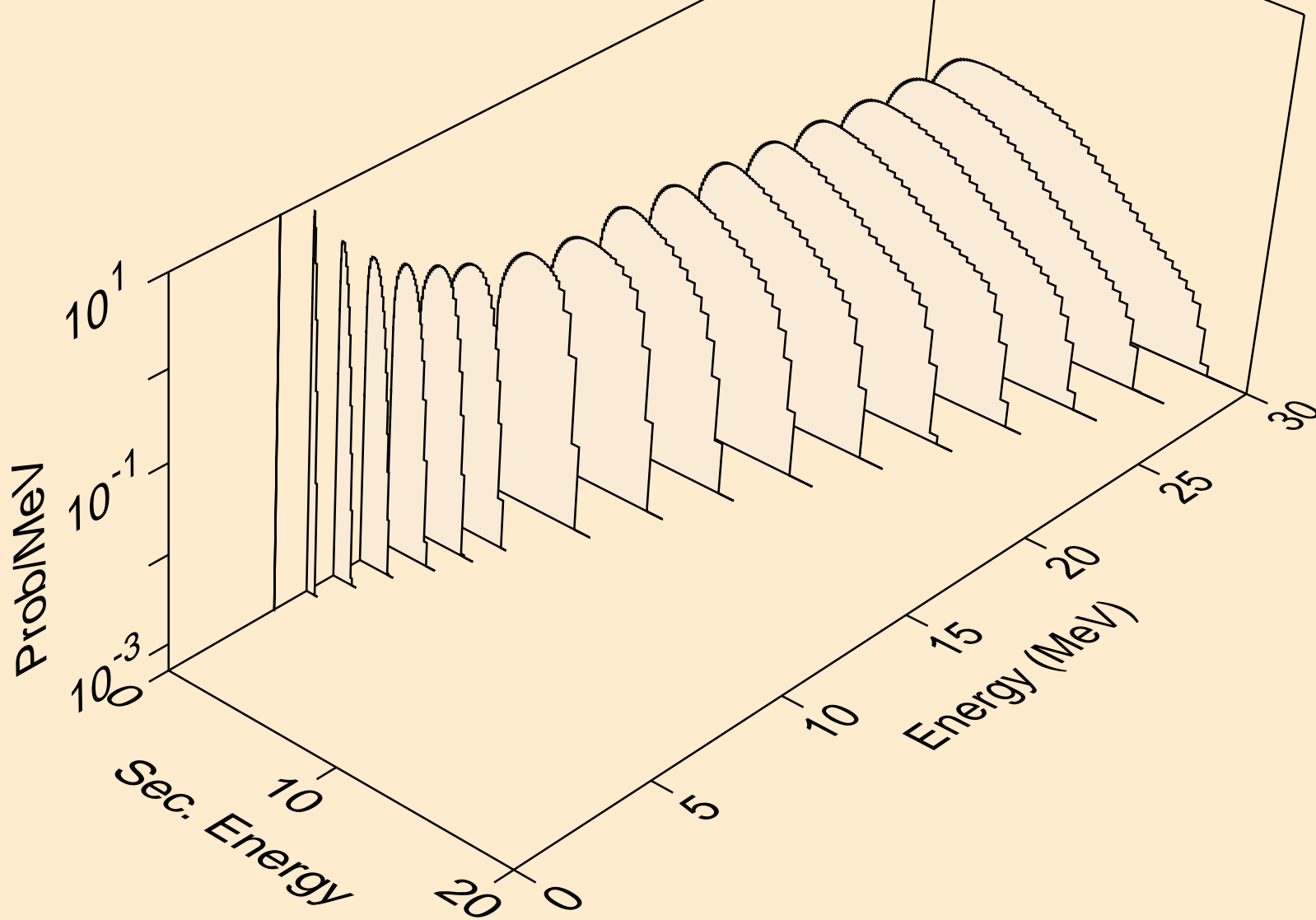


C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)

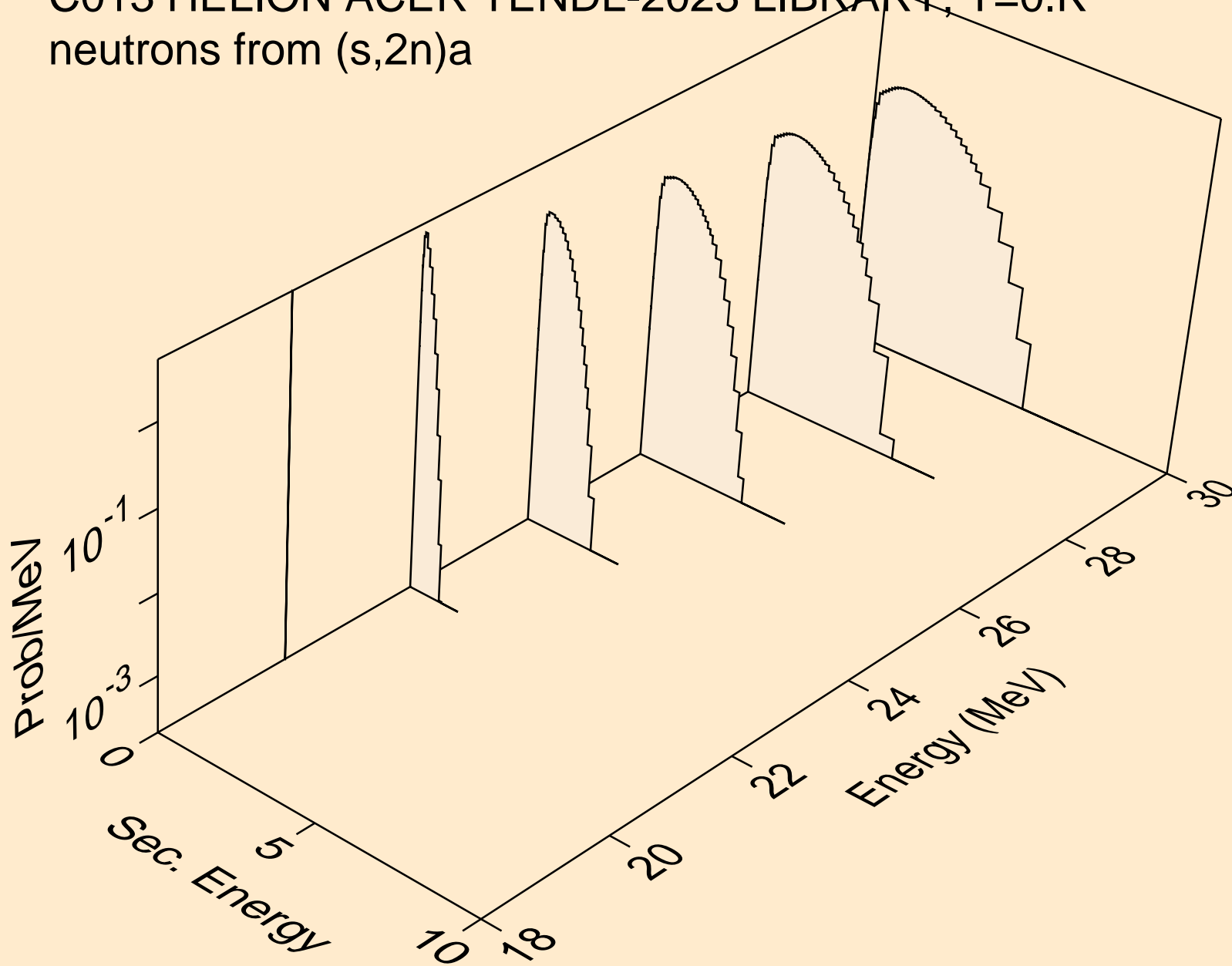




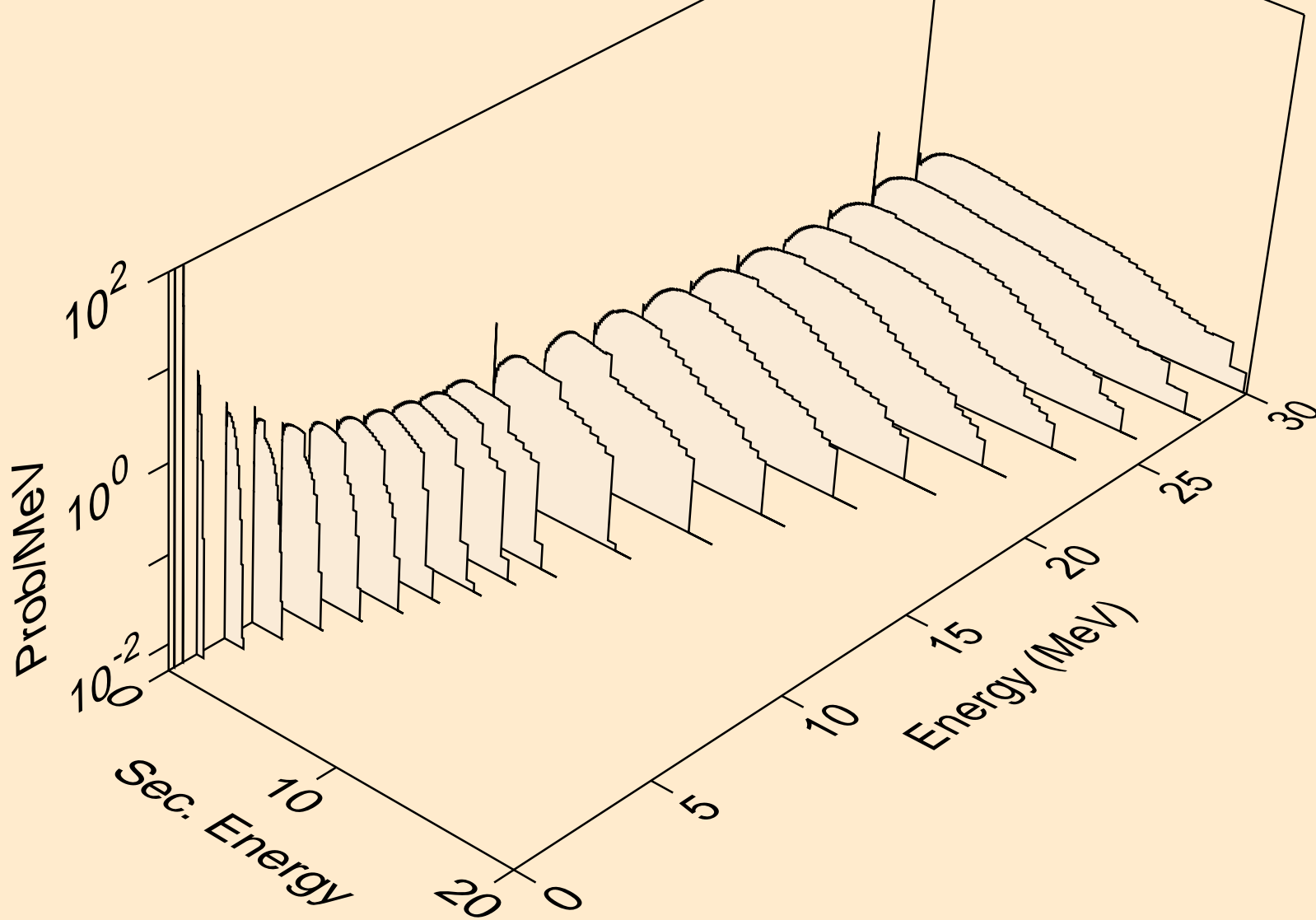
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a



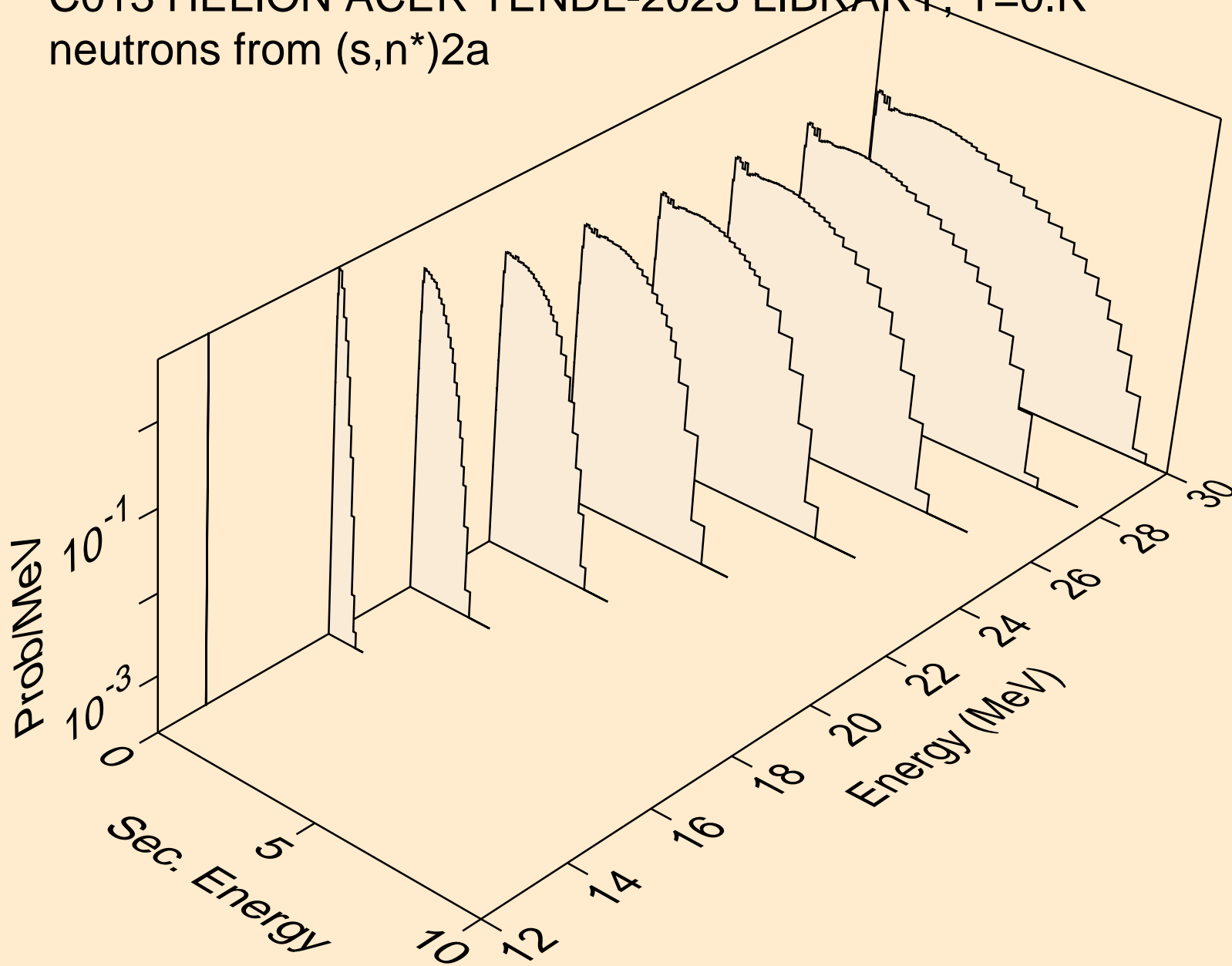
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neutrons from (s,2n)a



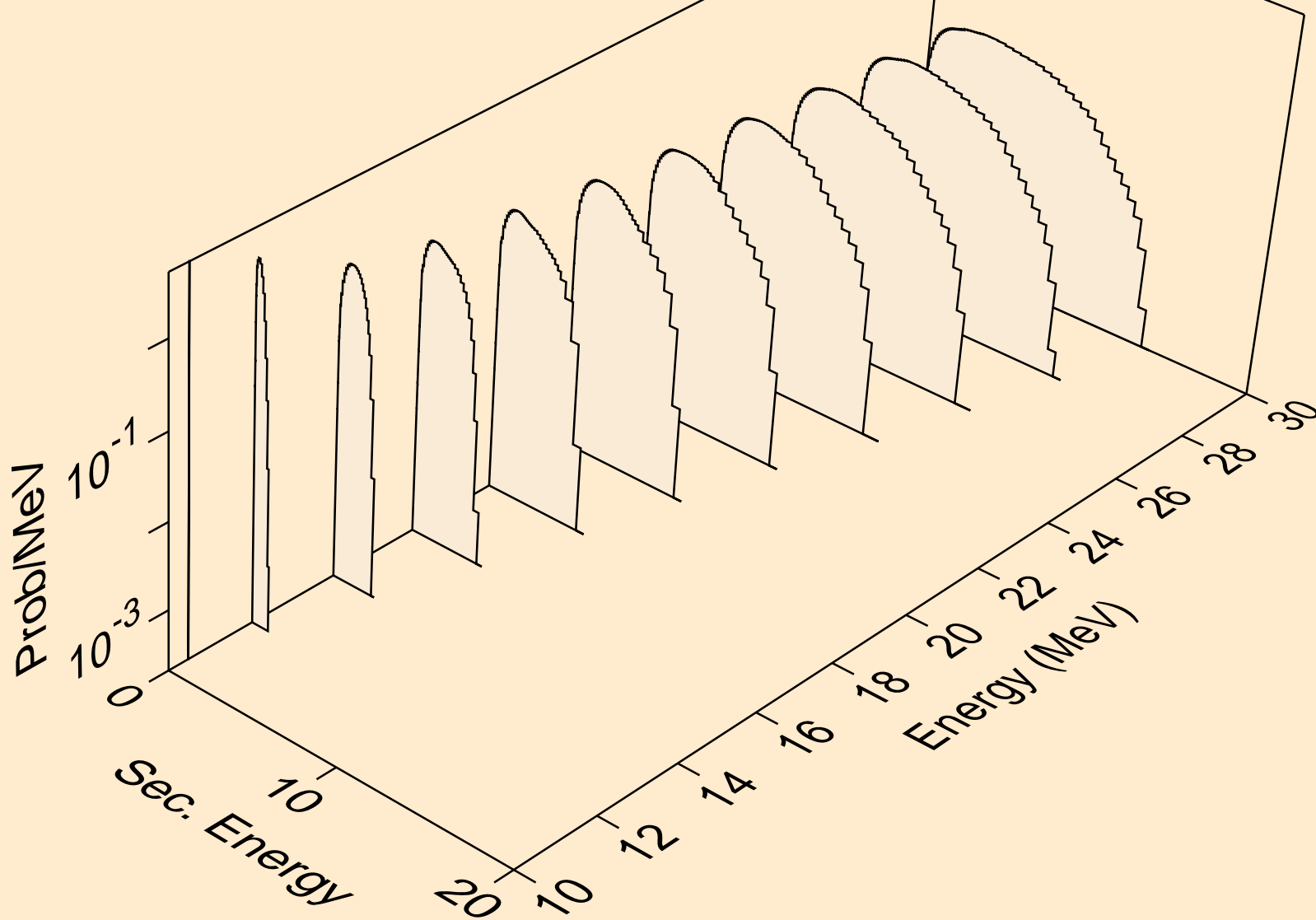
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neutrons from (s,n\*)p



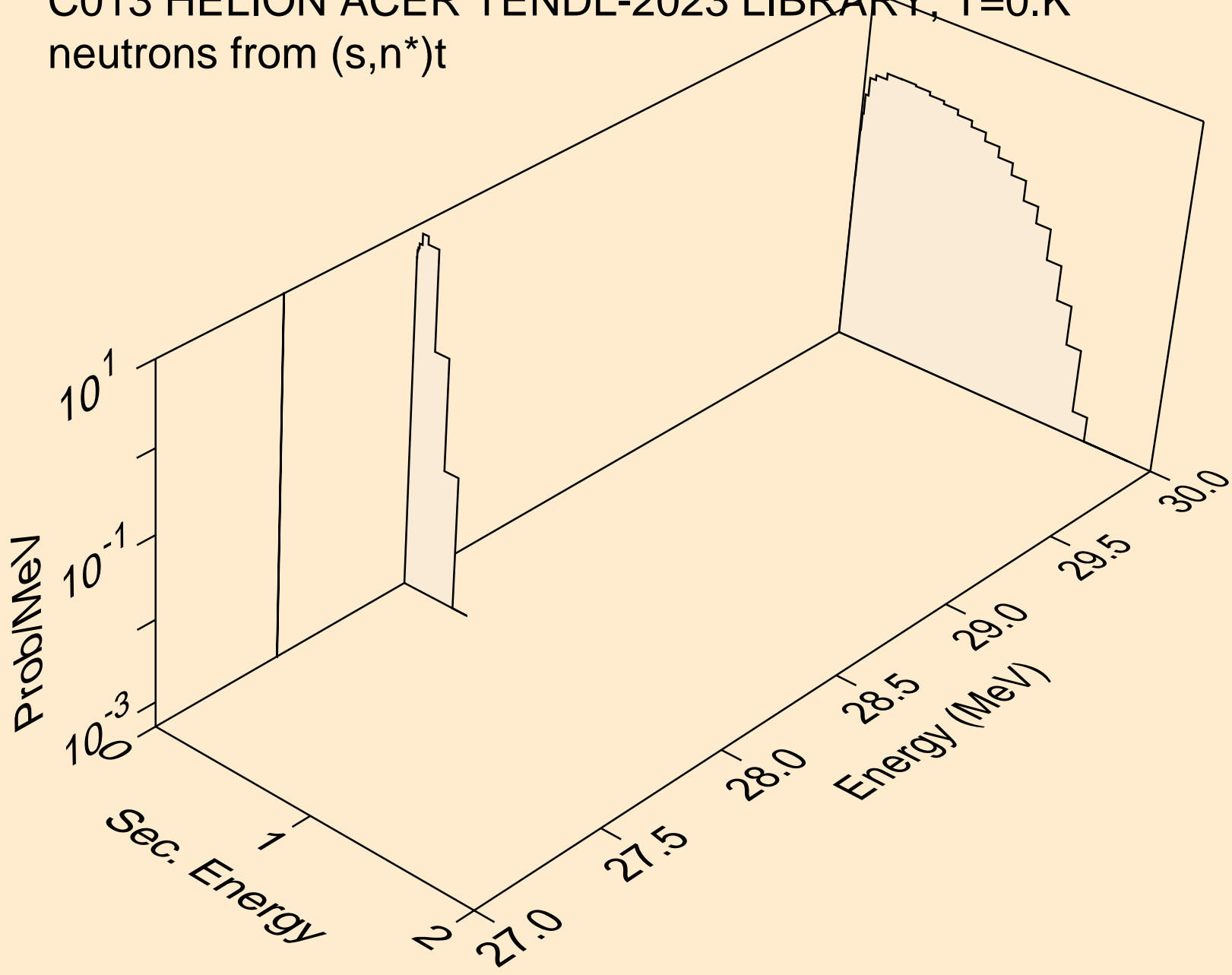
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neutrons from (s,n\*)2a



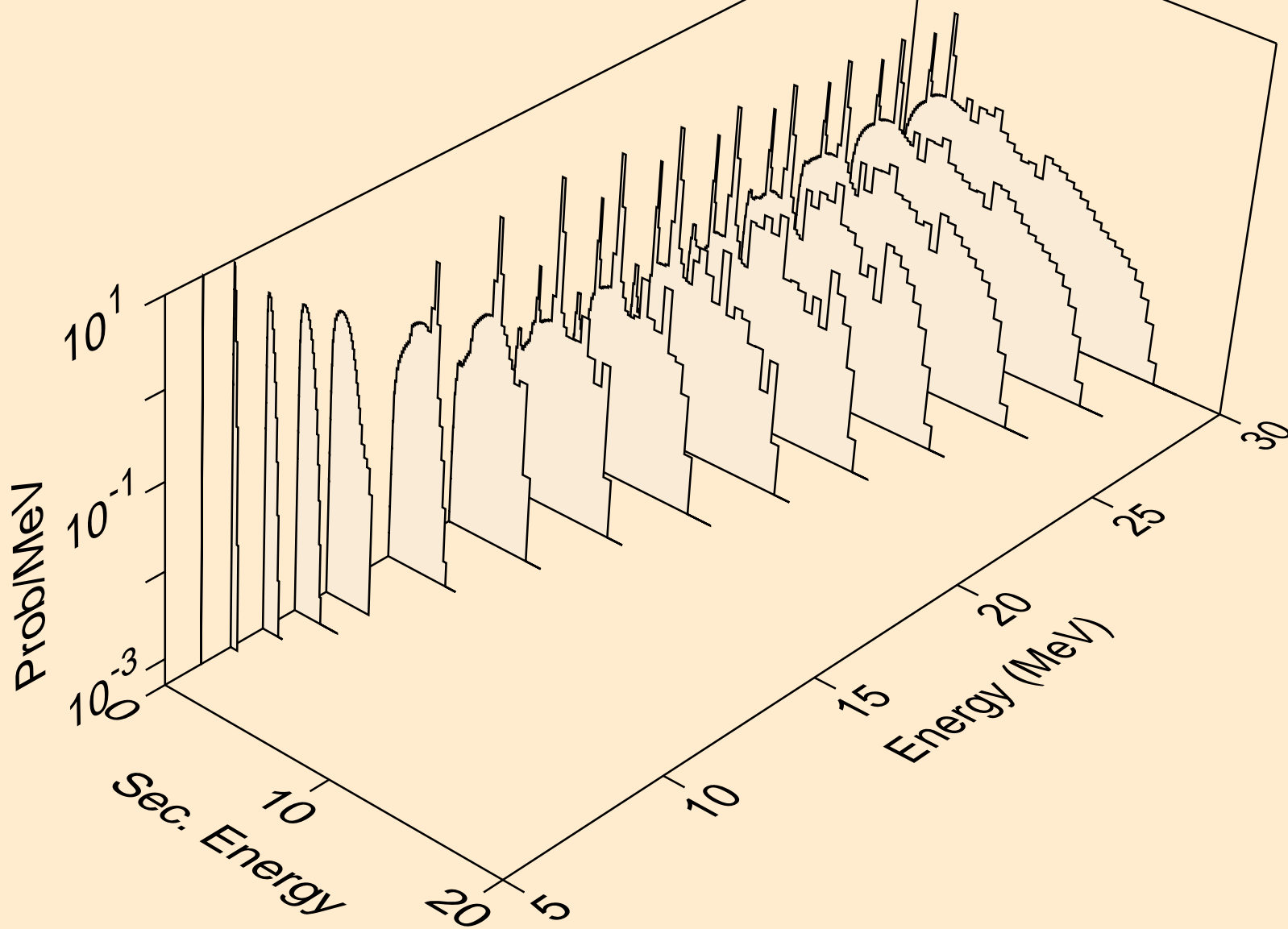
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neutrons from (s,n\*)d



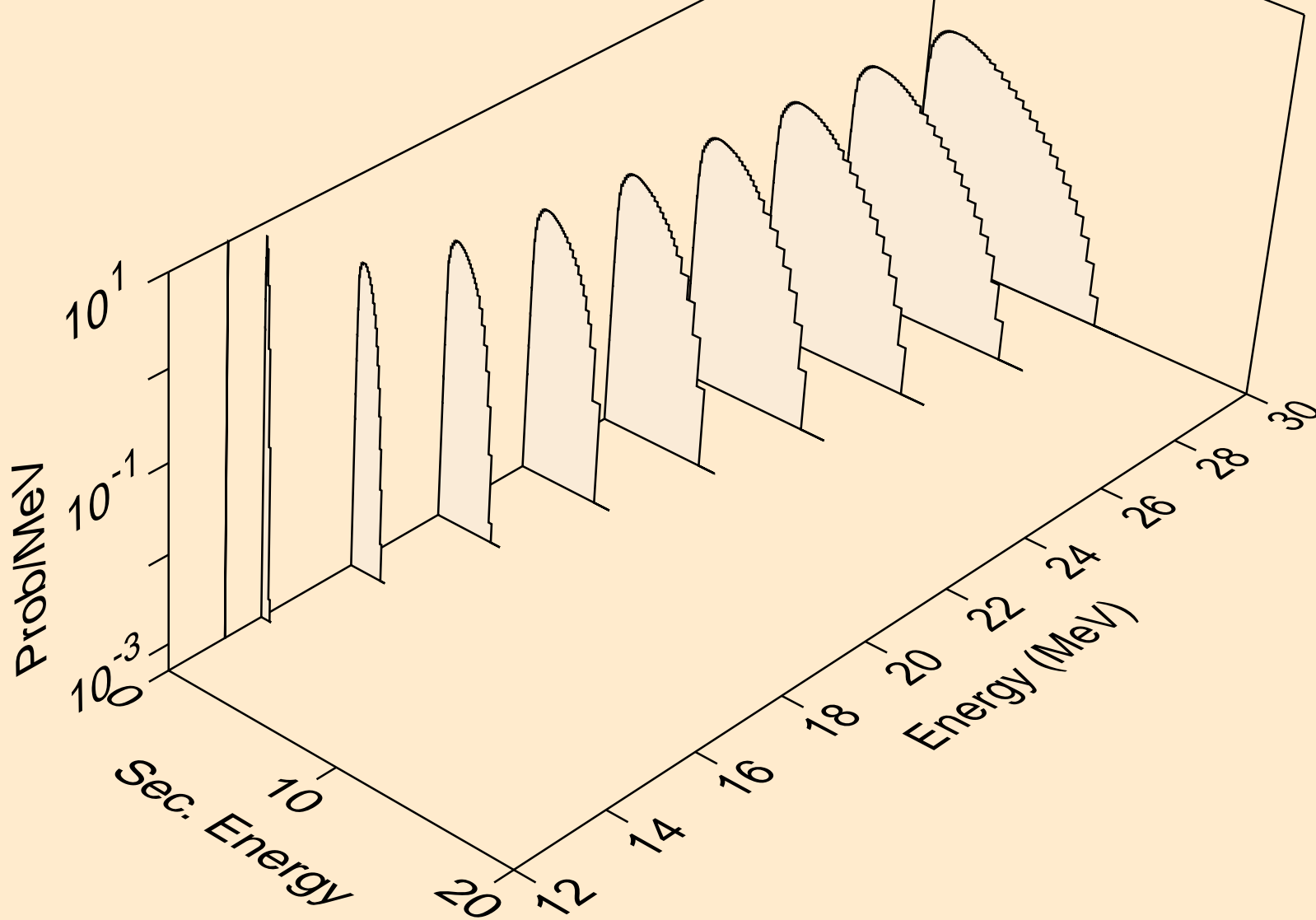
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)t



C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

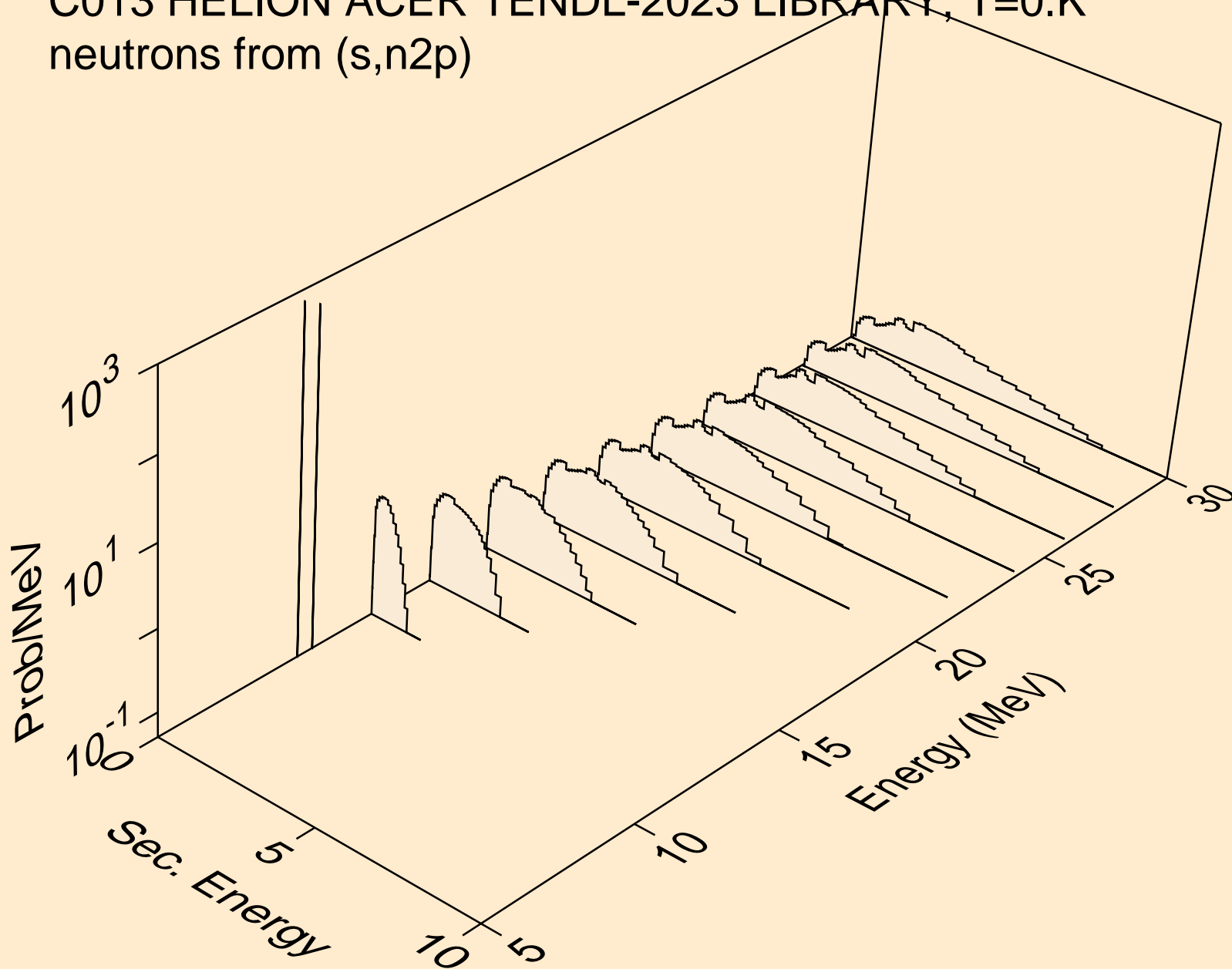


C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2np)

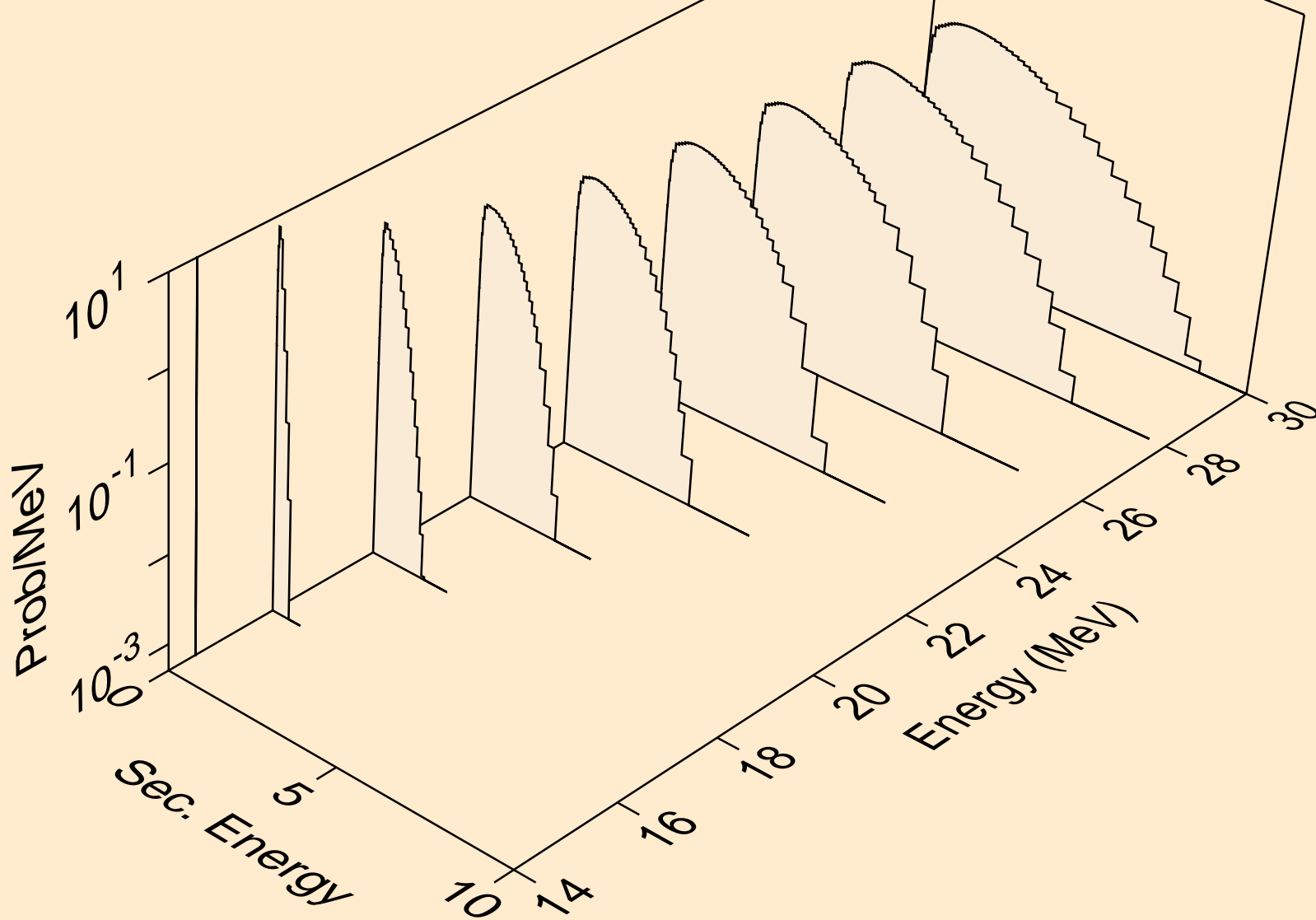




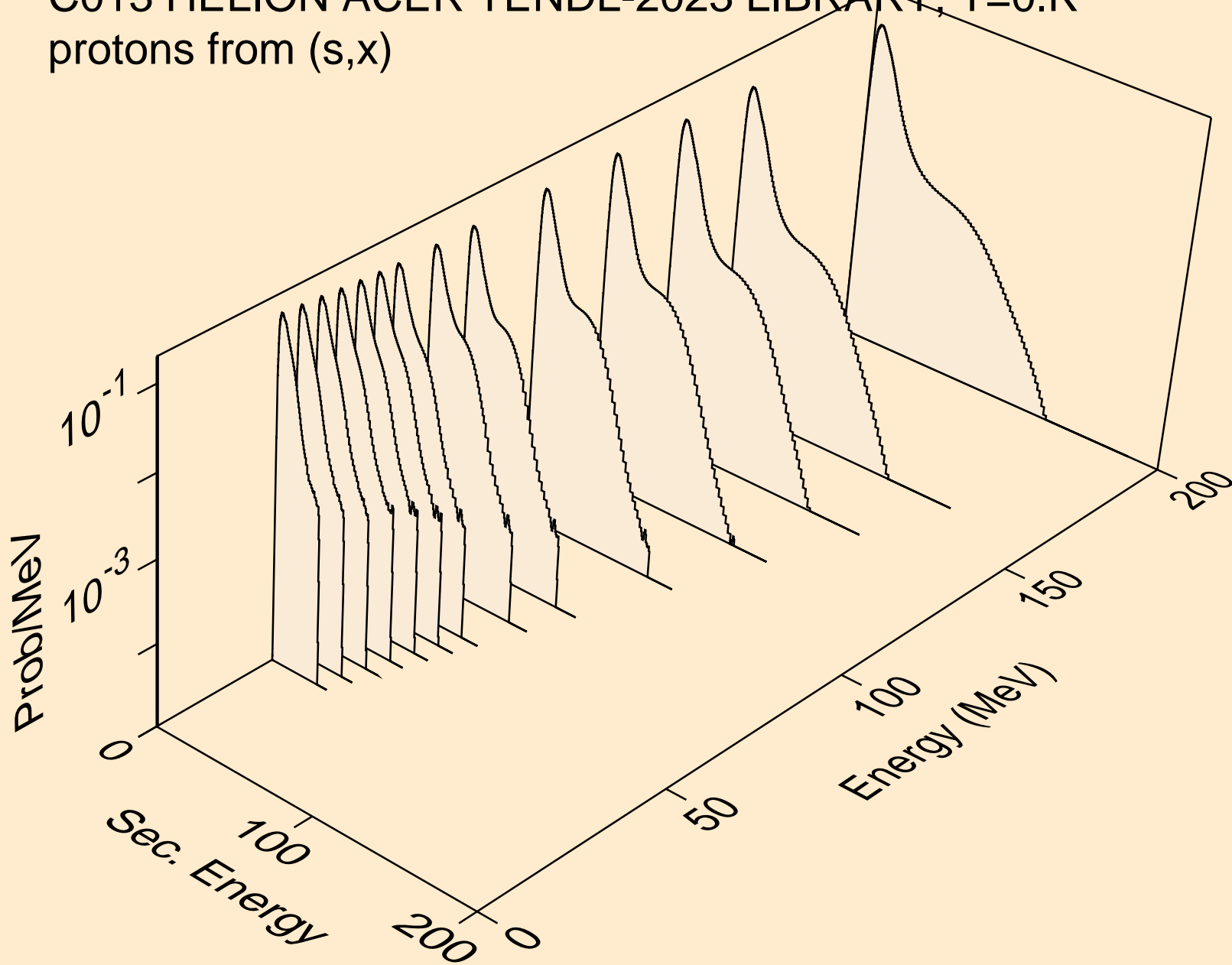
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n2p)



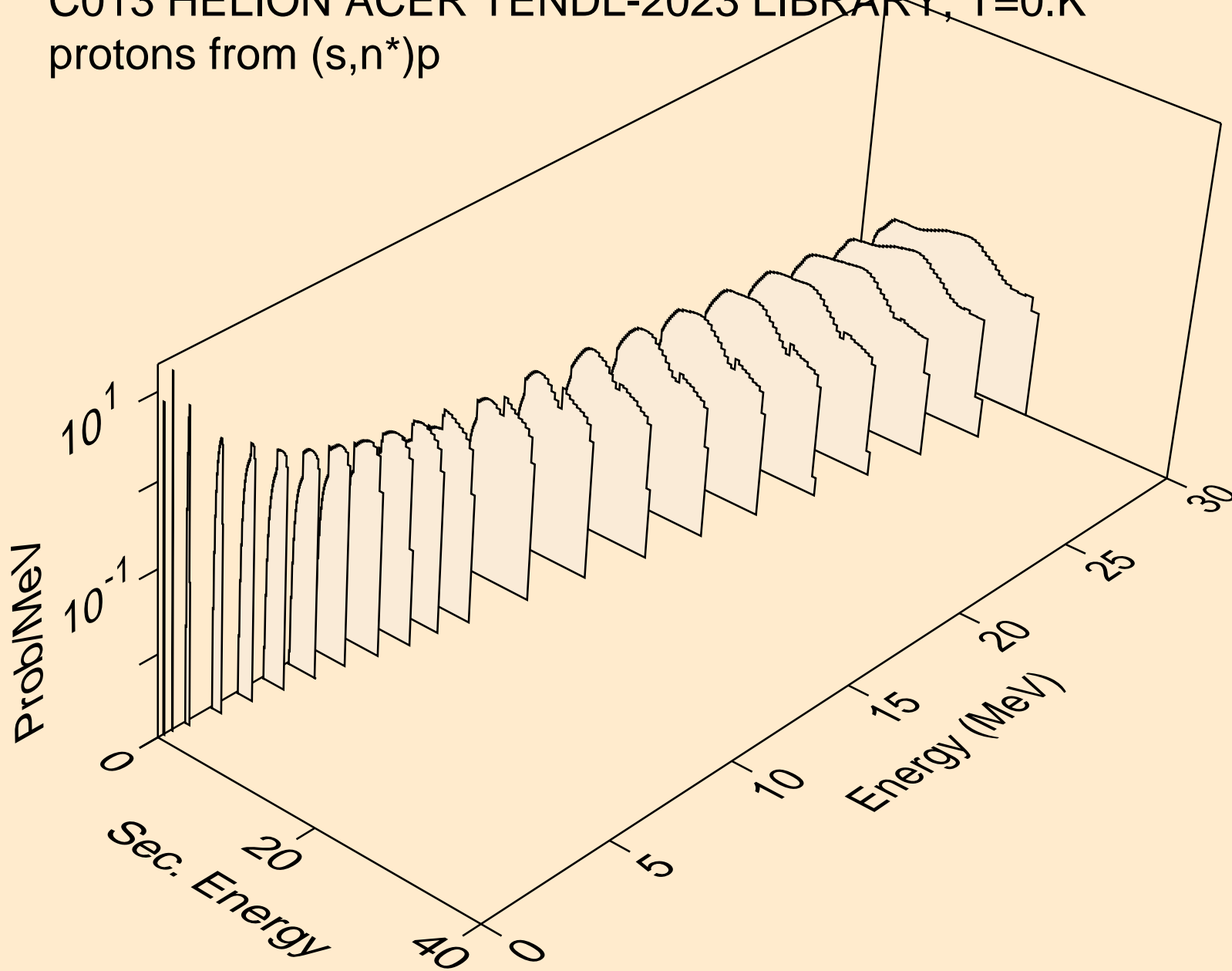
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,npa)



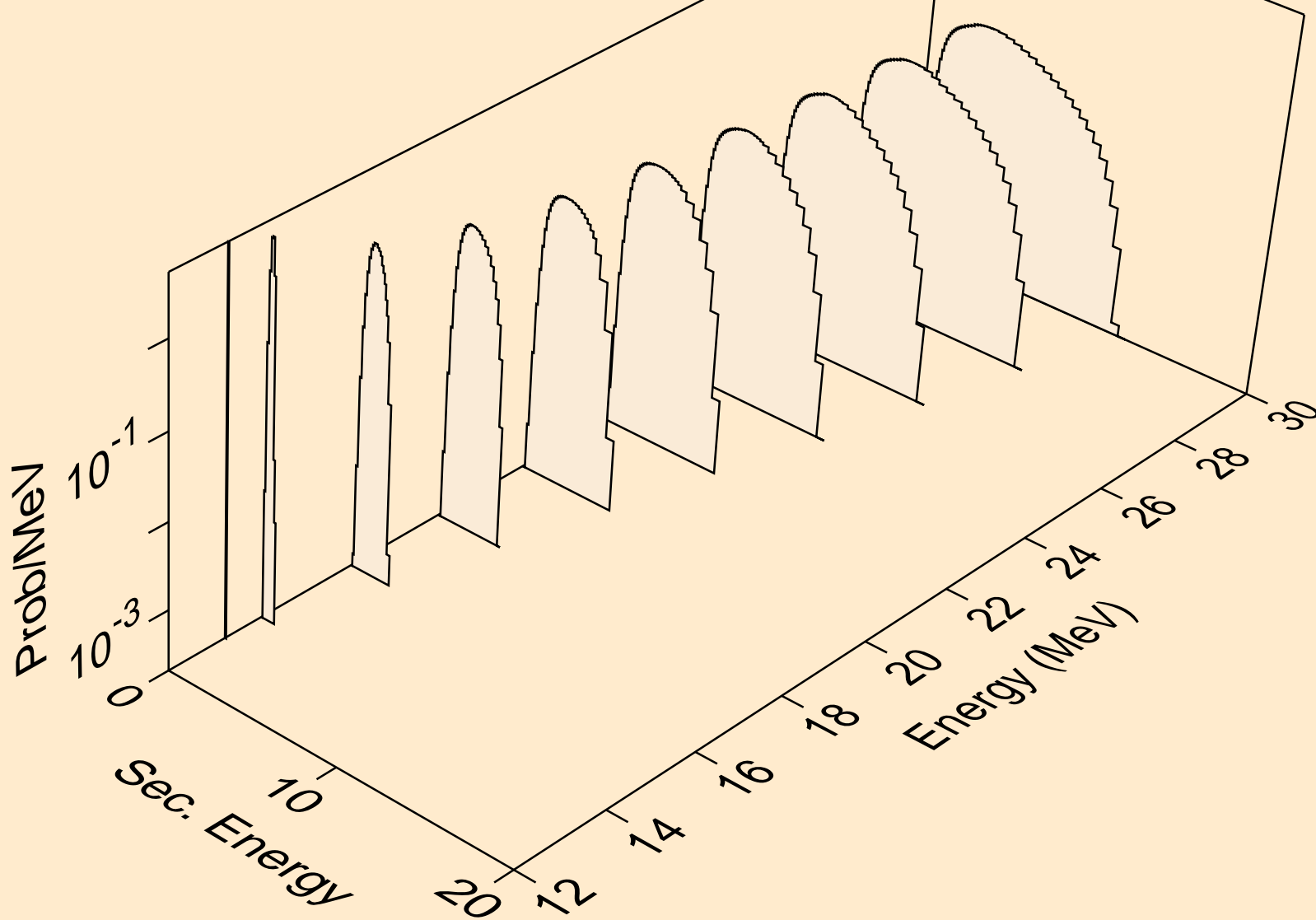
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,x)



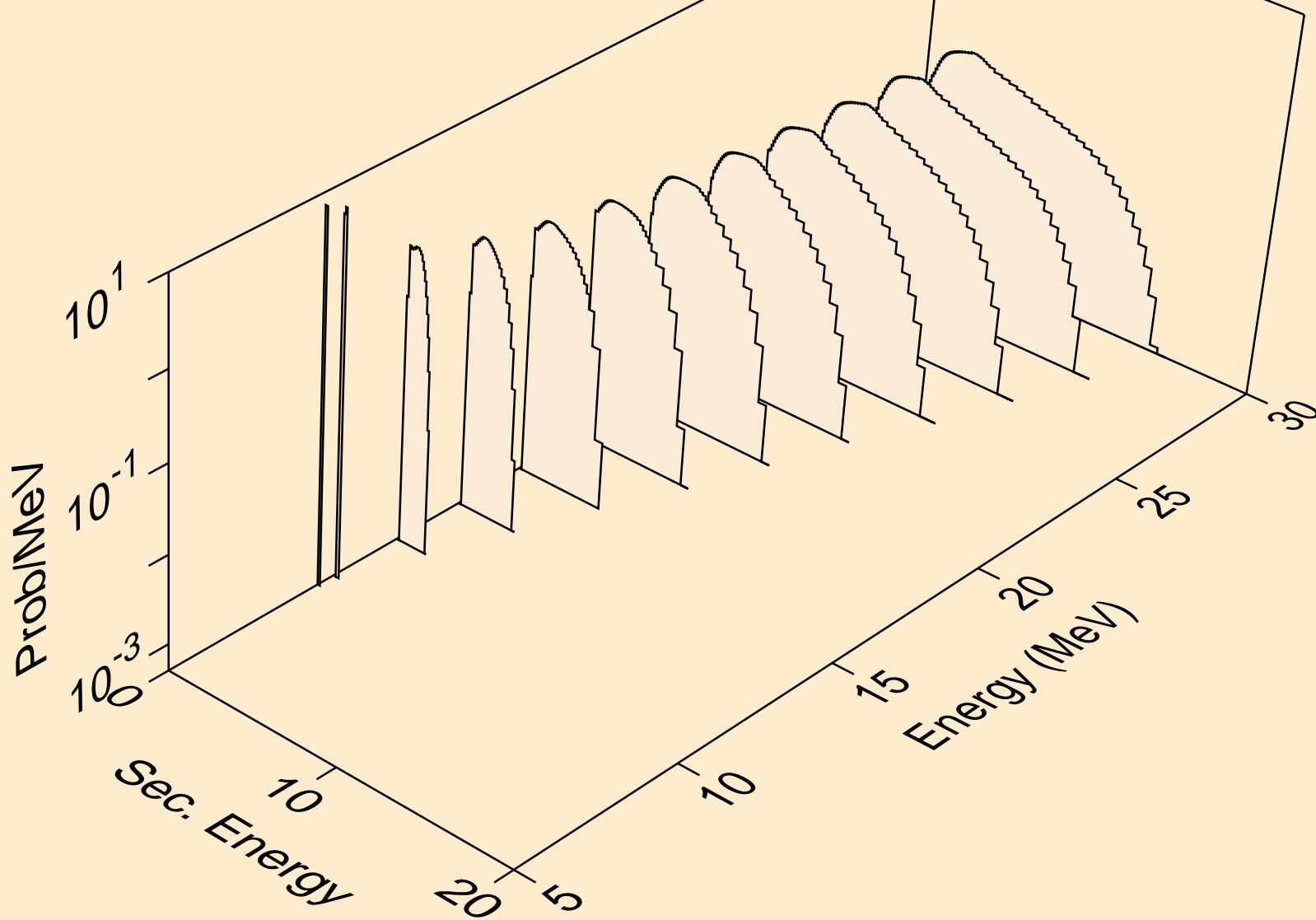
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protons from (s,n\*)p



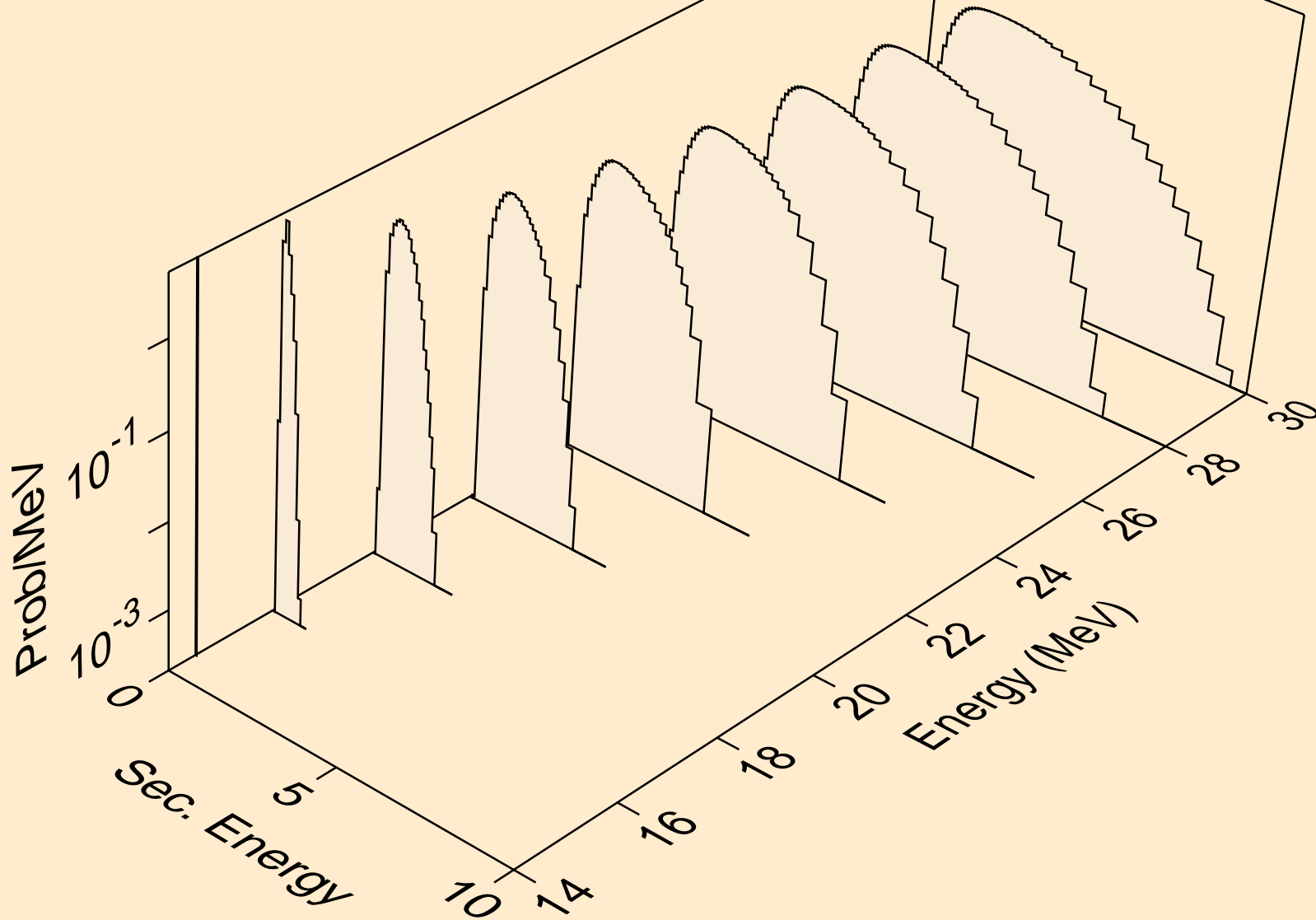
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protons from (s,2np)



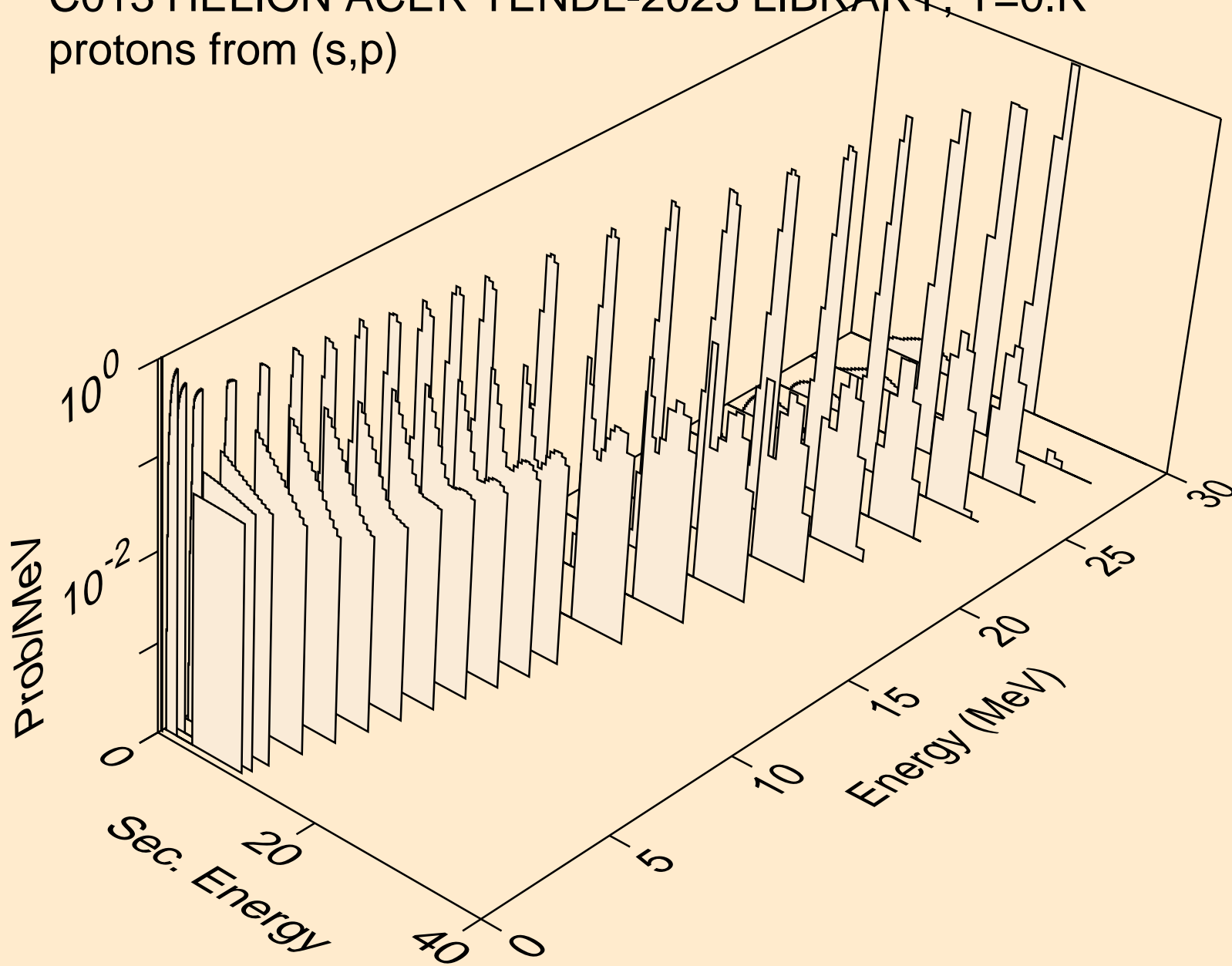
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n2p)



C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,npa)

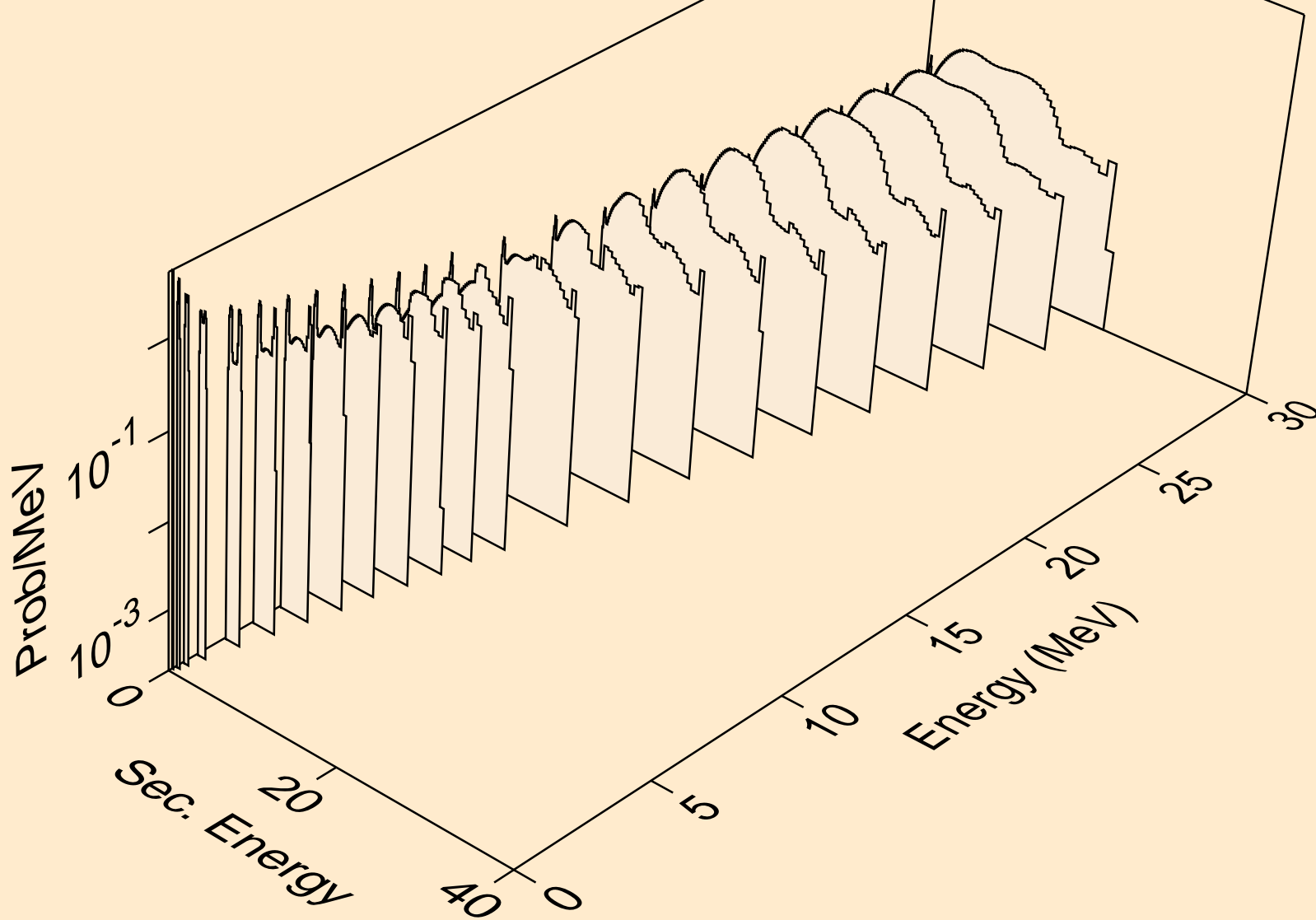


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protons from (s,p)

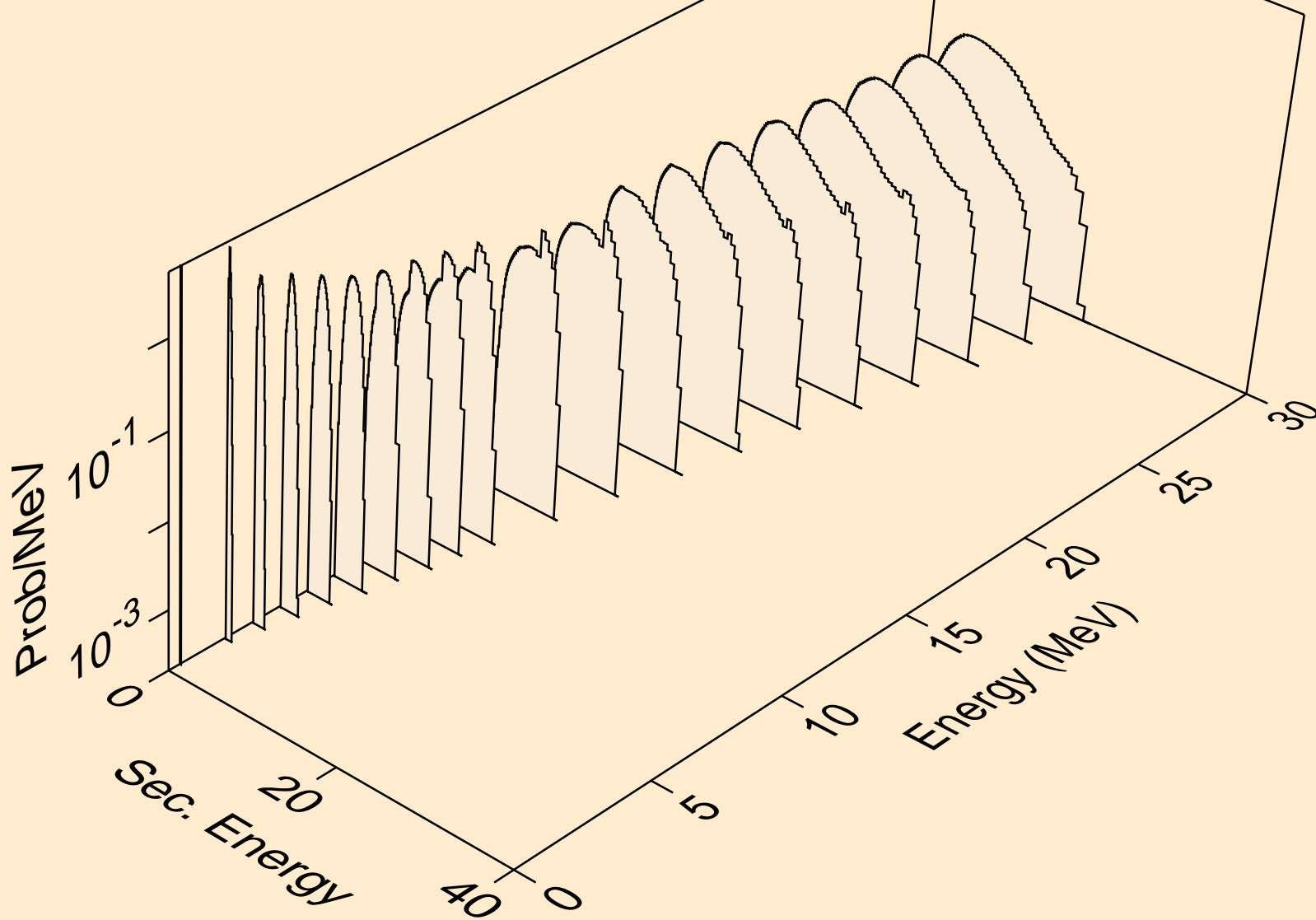




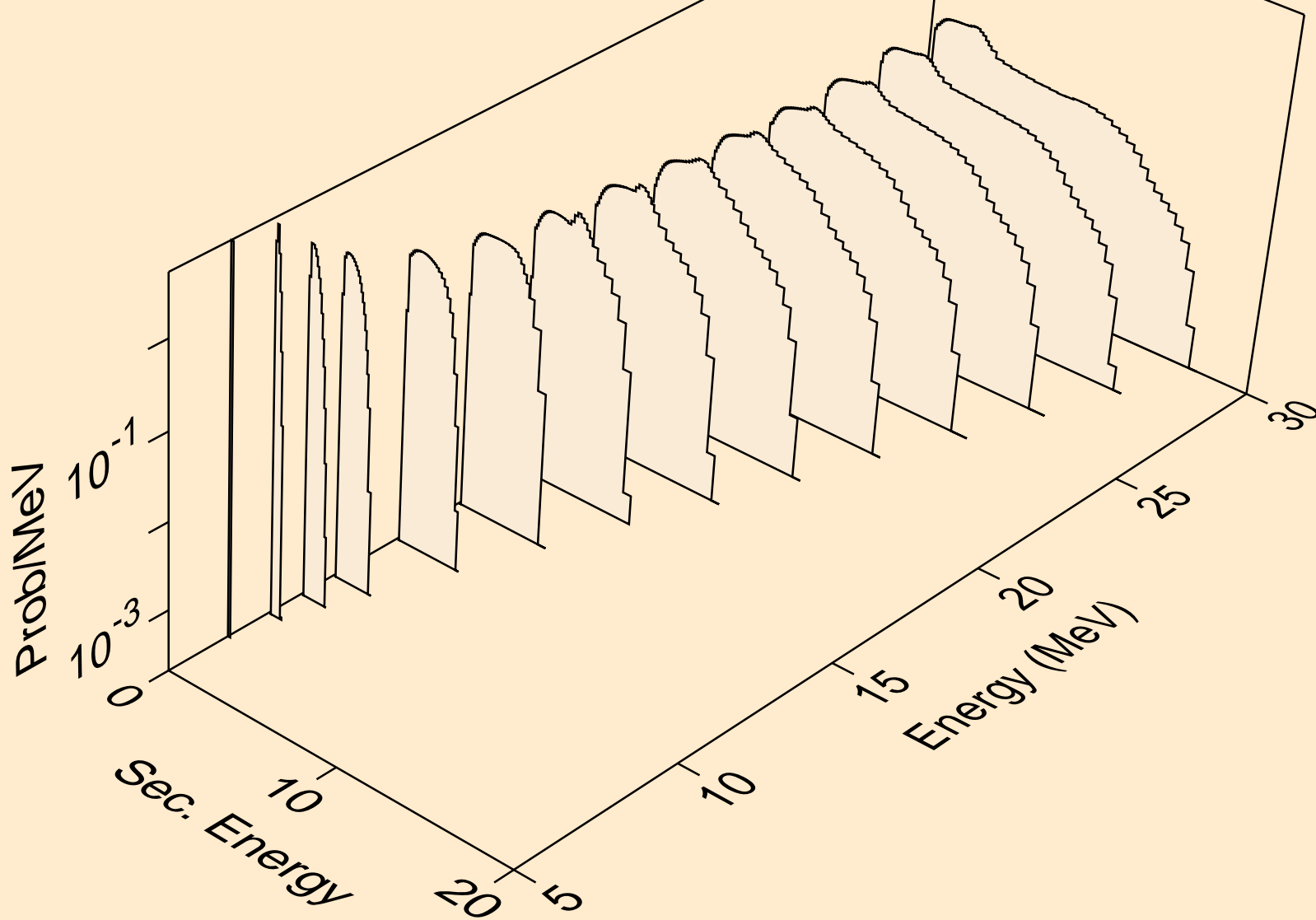
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protons from (s,2p)



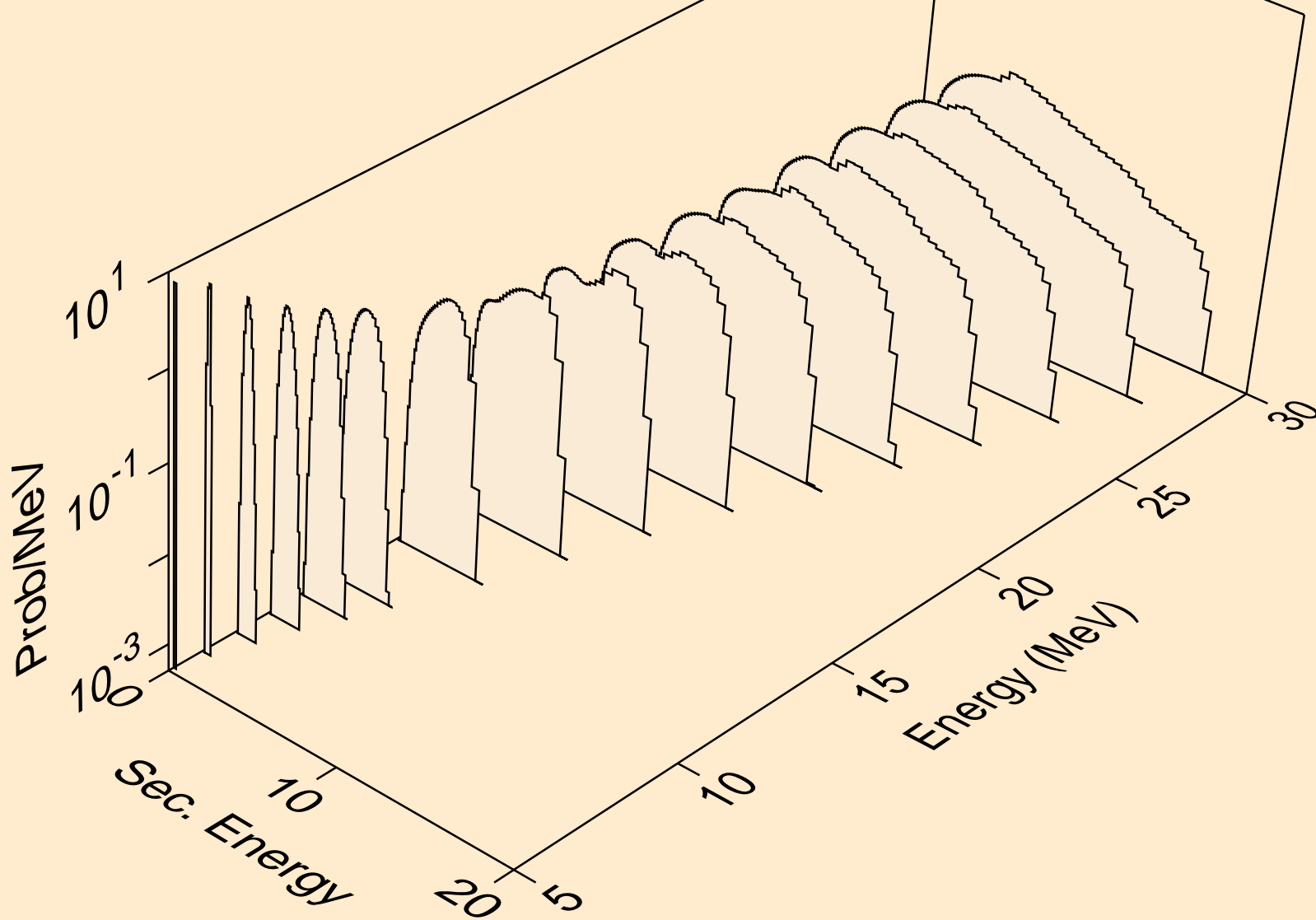
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protons from (s,pa)



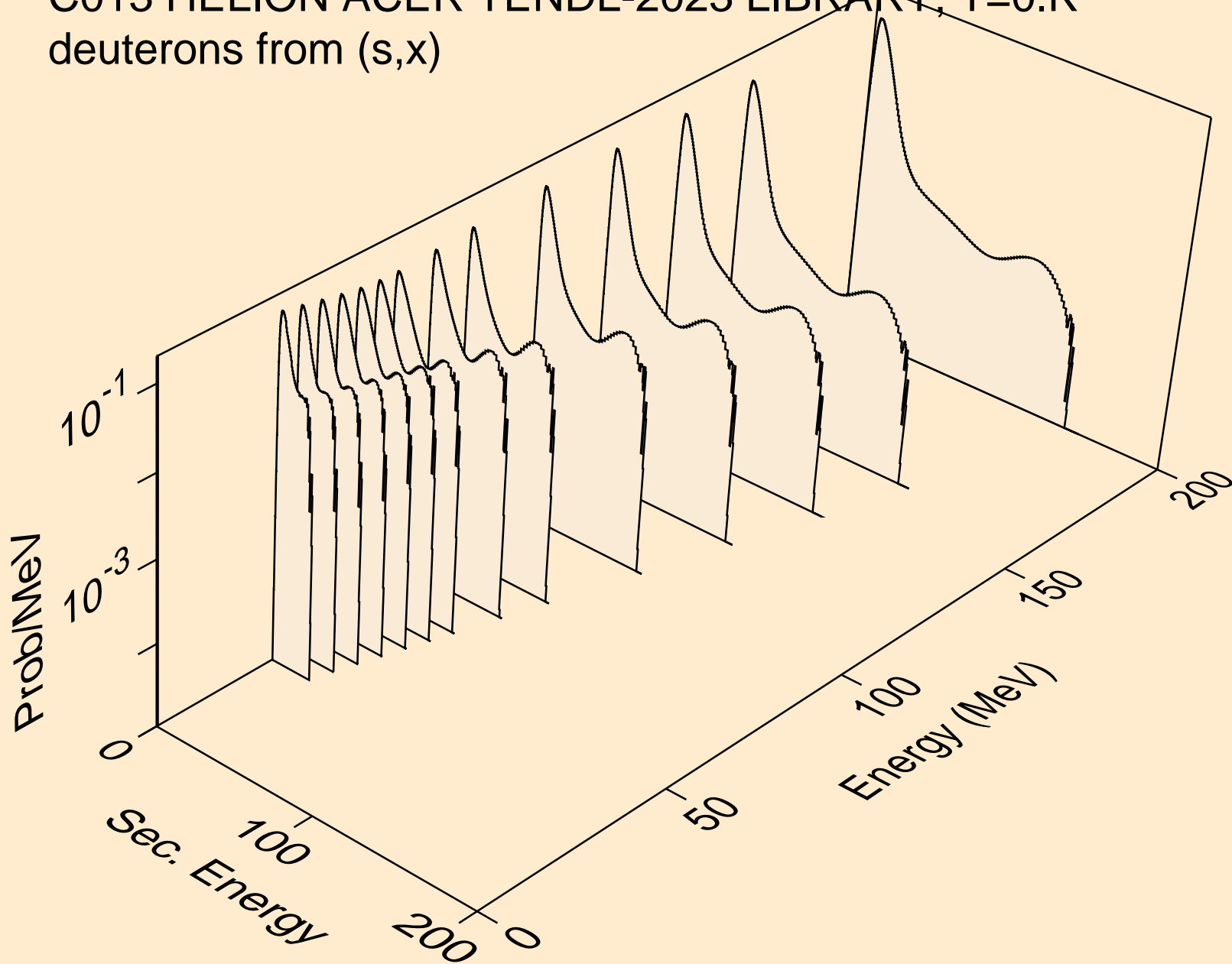
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pd)



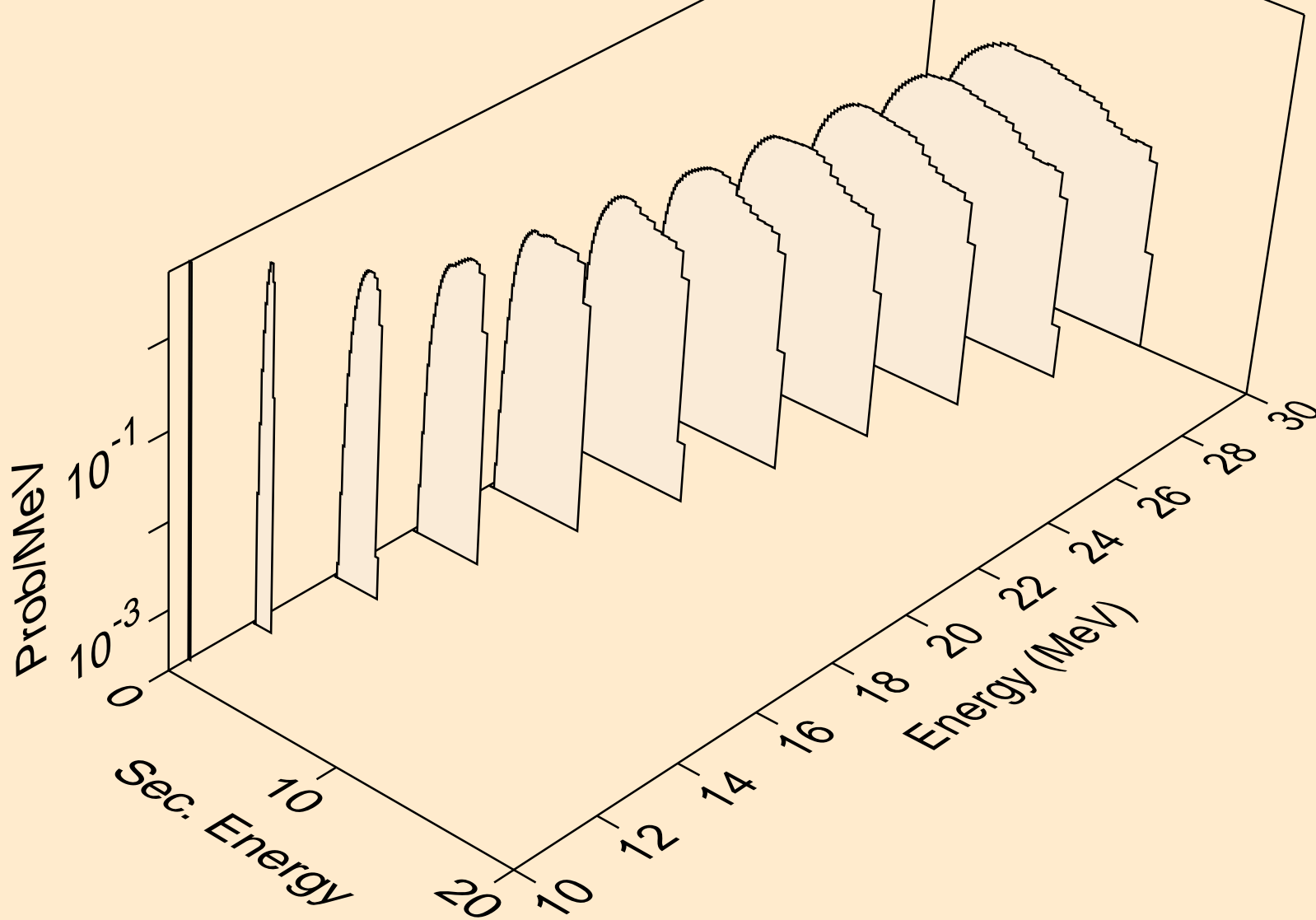
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pt)



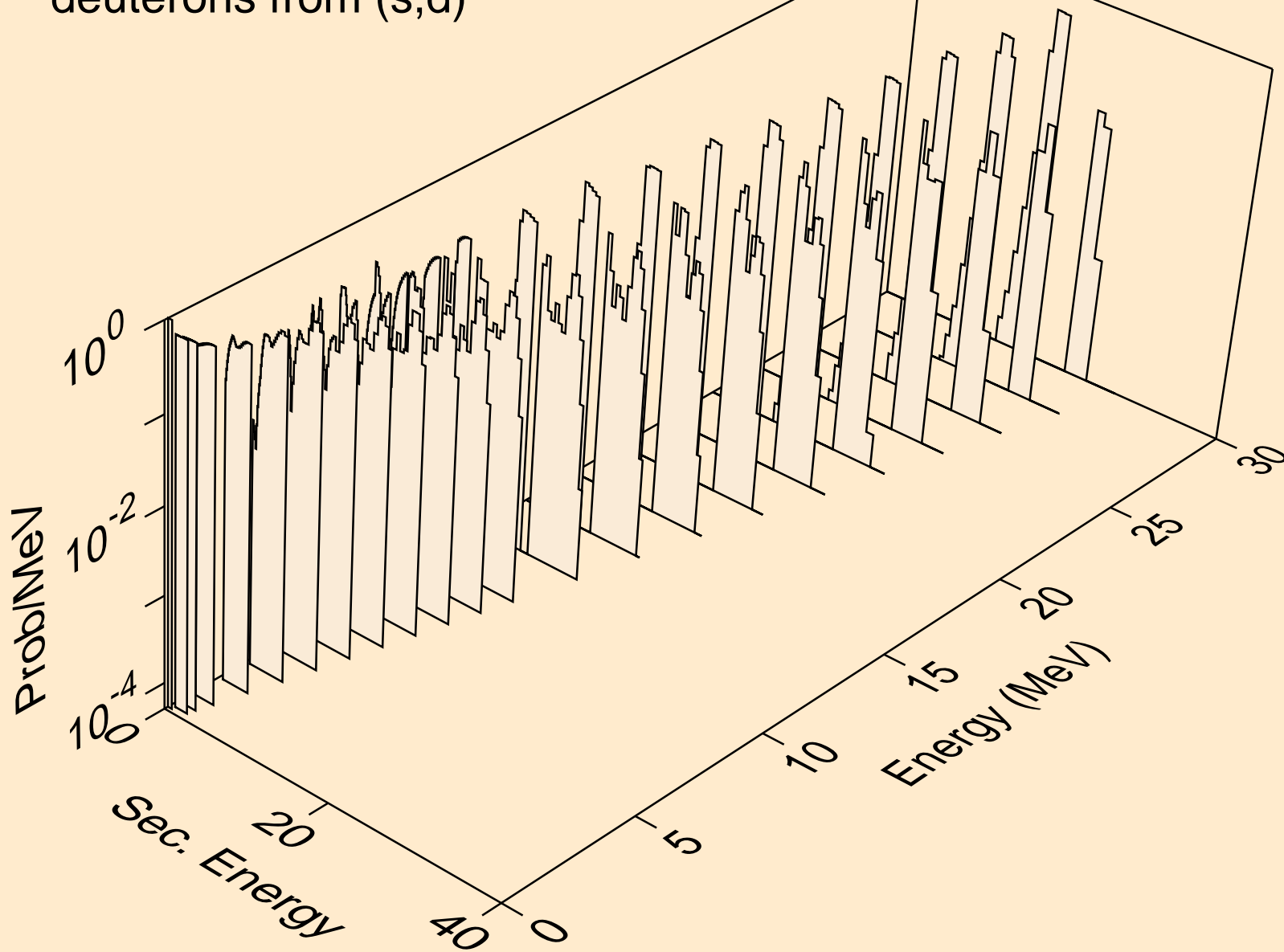
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,x)



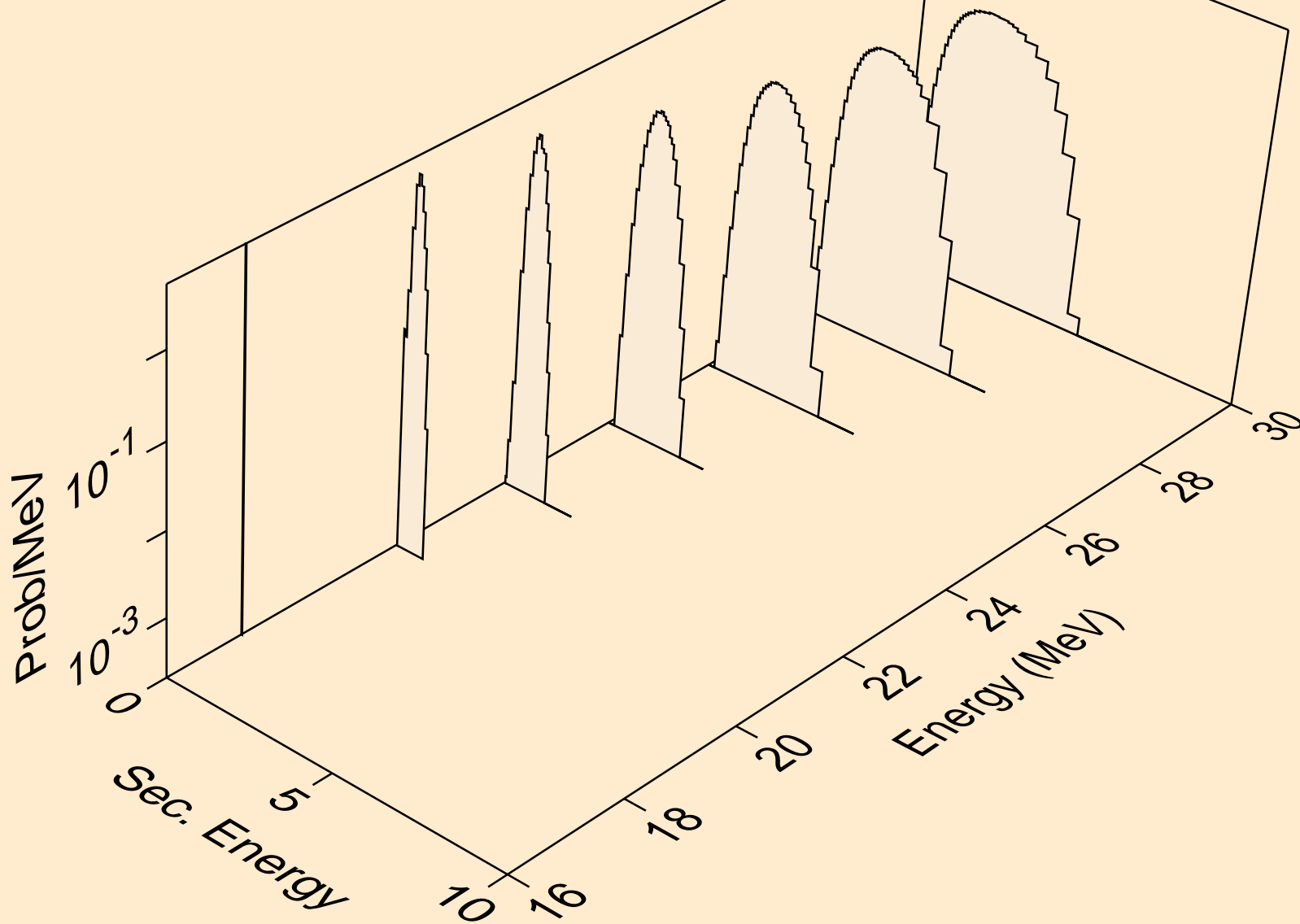
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,n\*)d



C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,d)

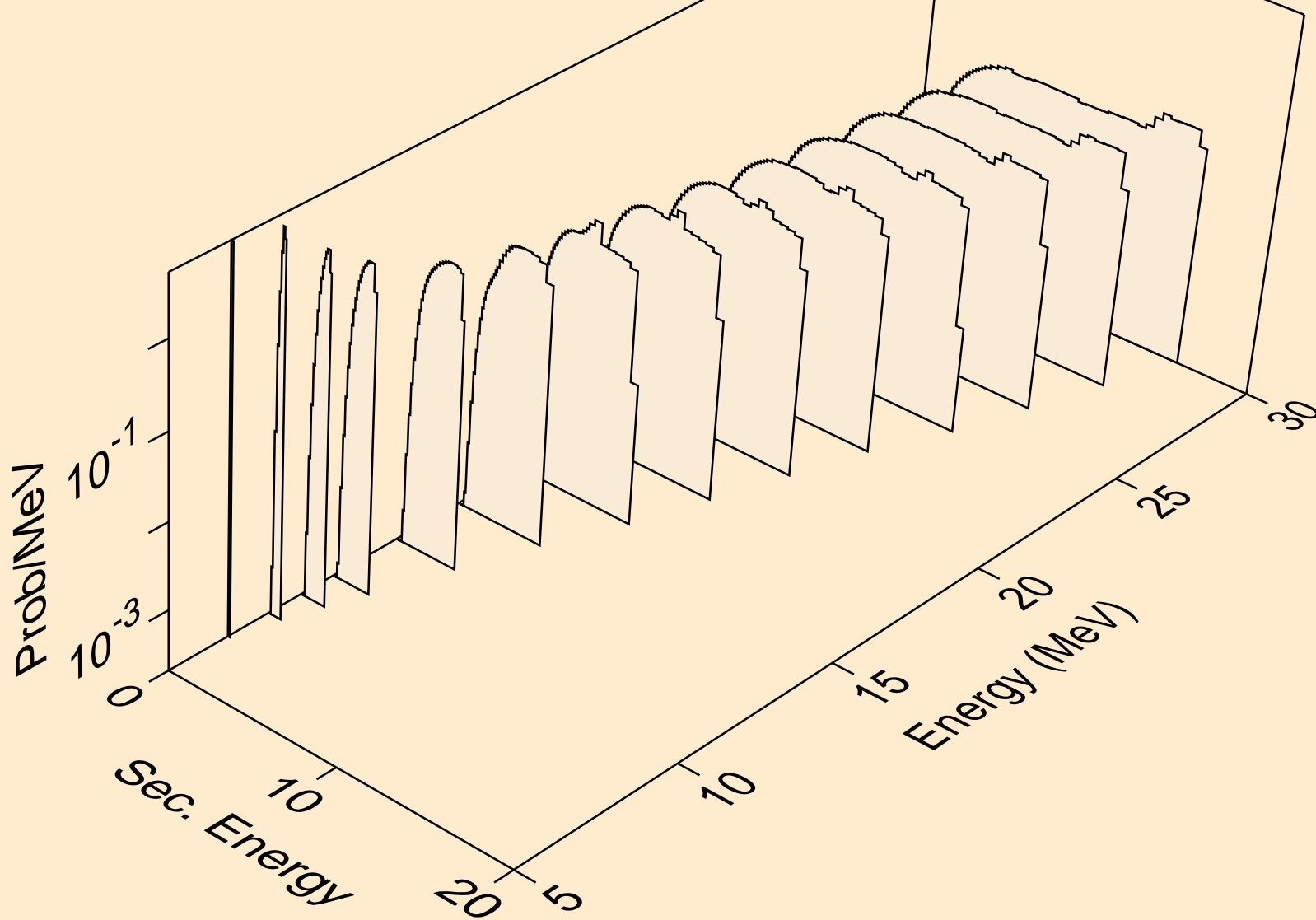


C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,d2a)

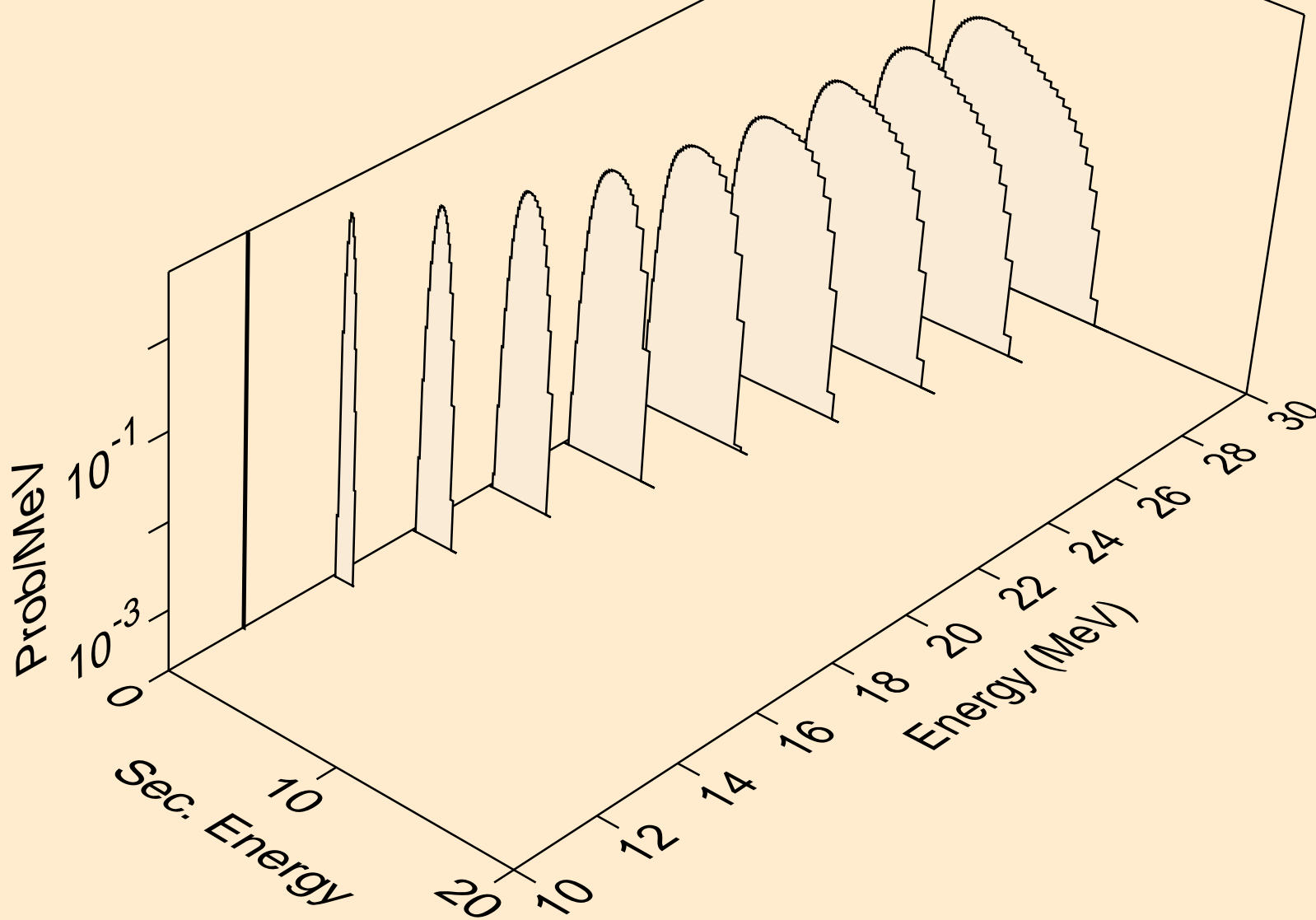




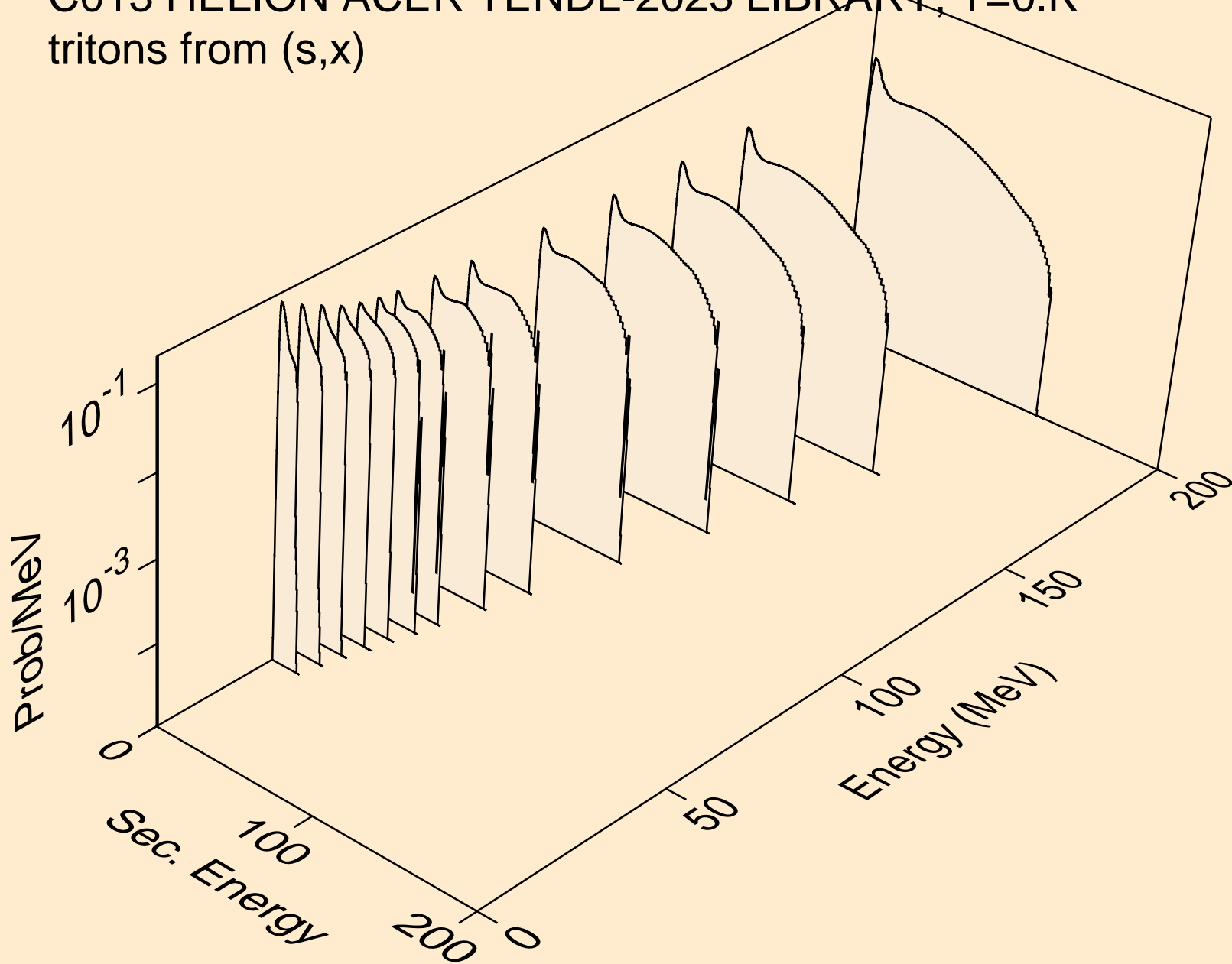
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,pd)



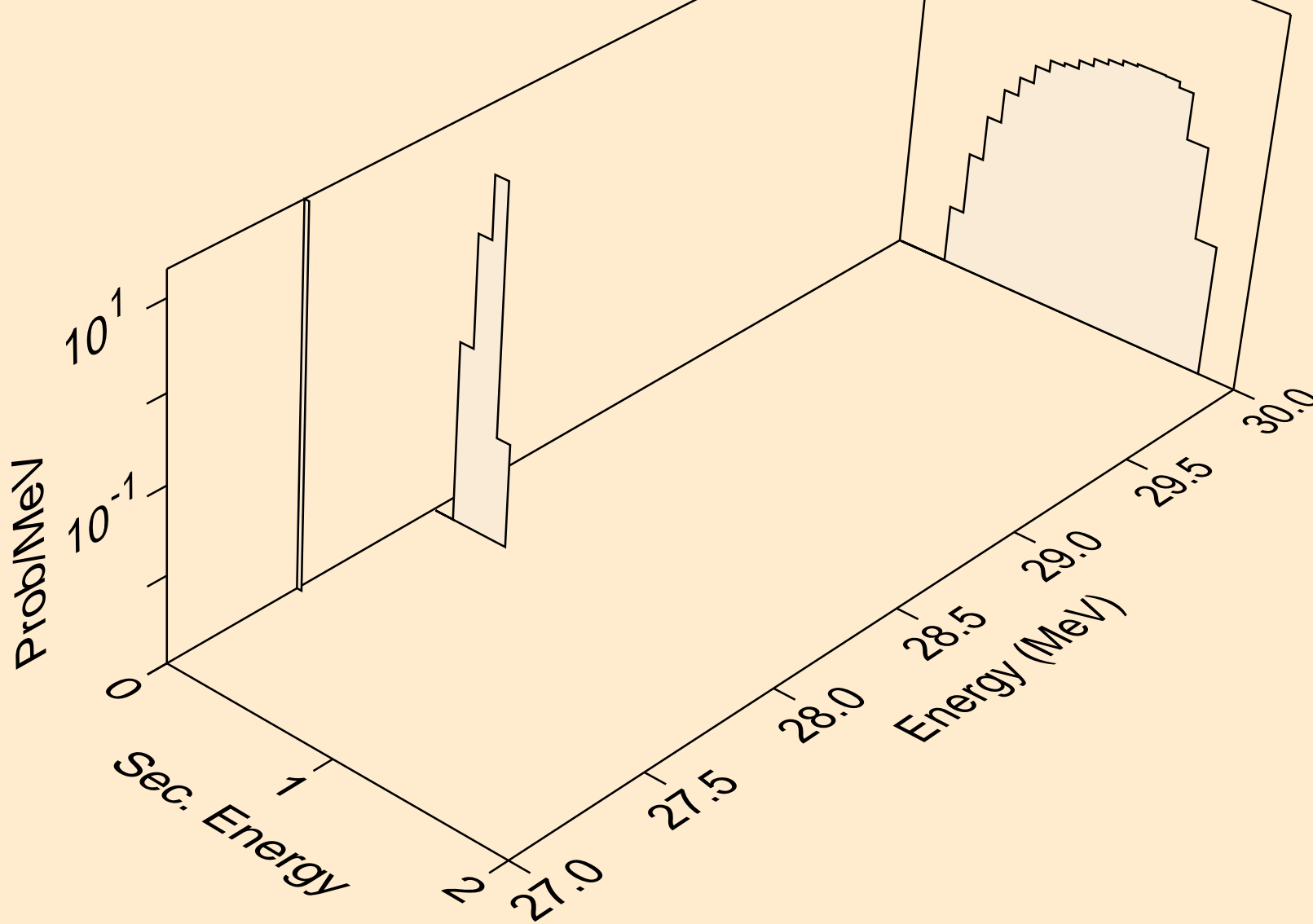
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deuterons from (s,da)



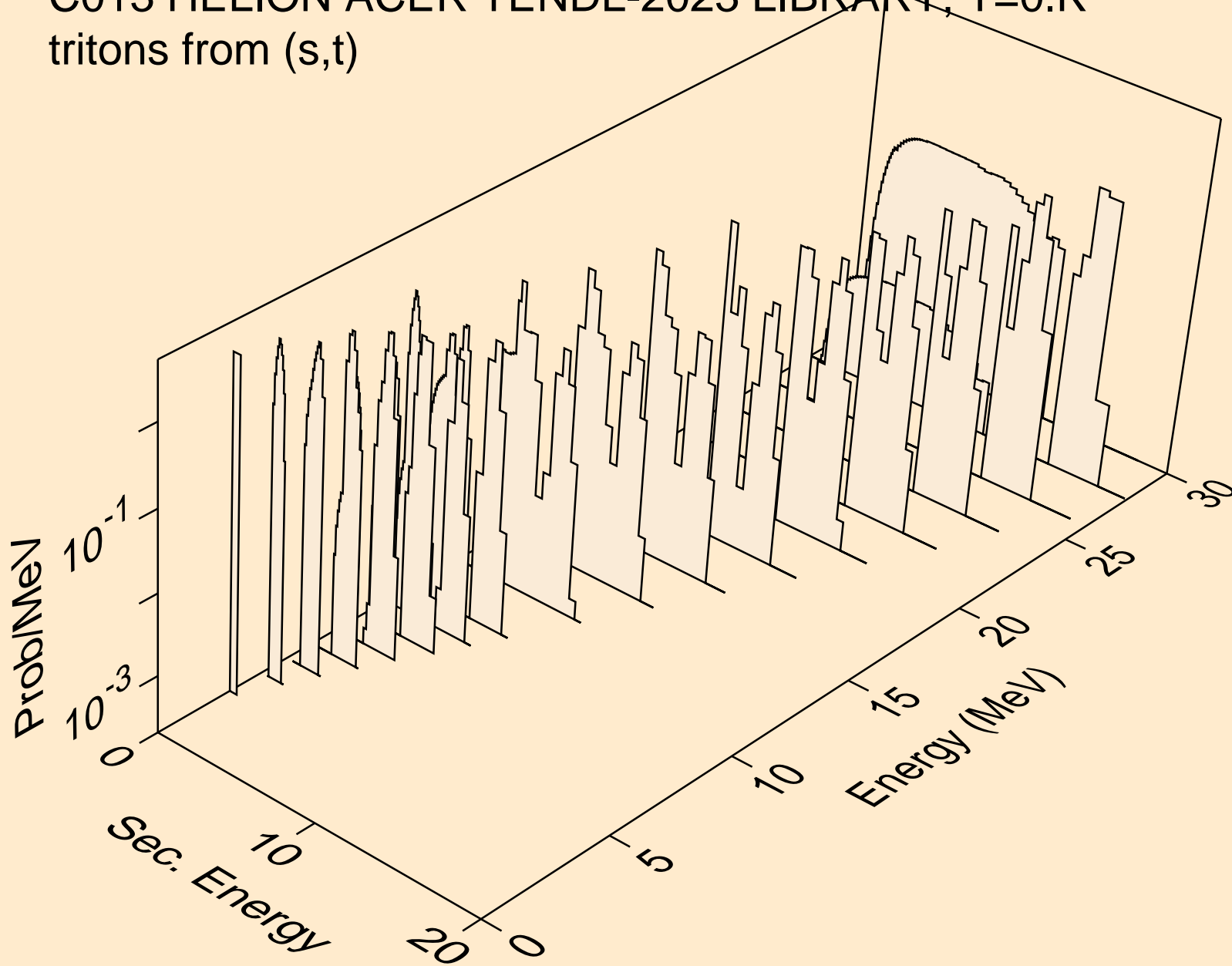
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,x)



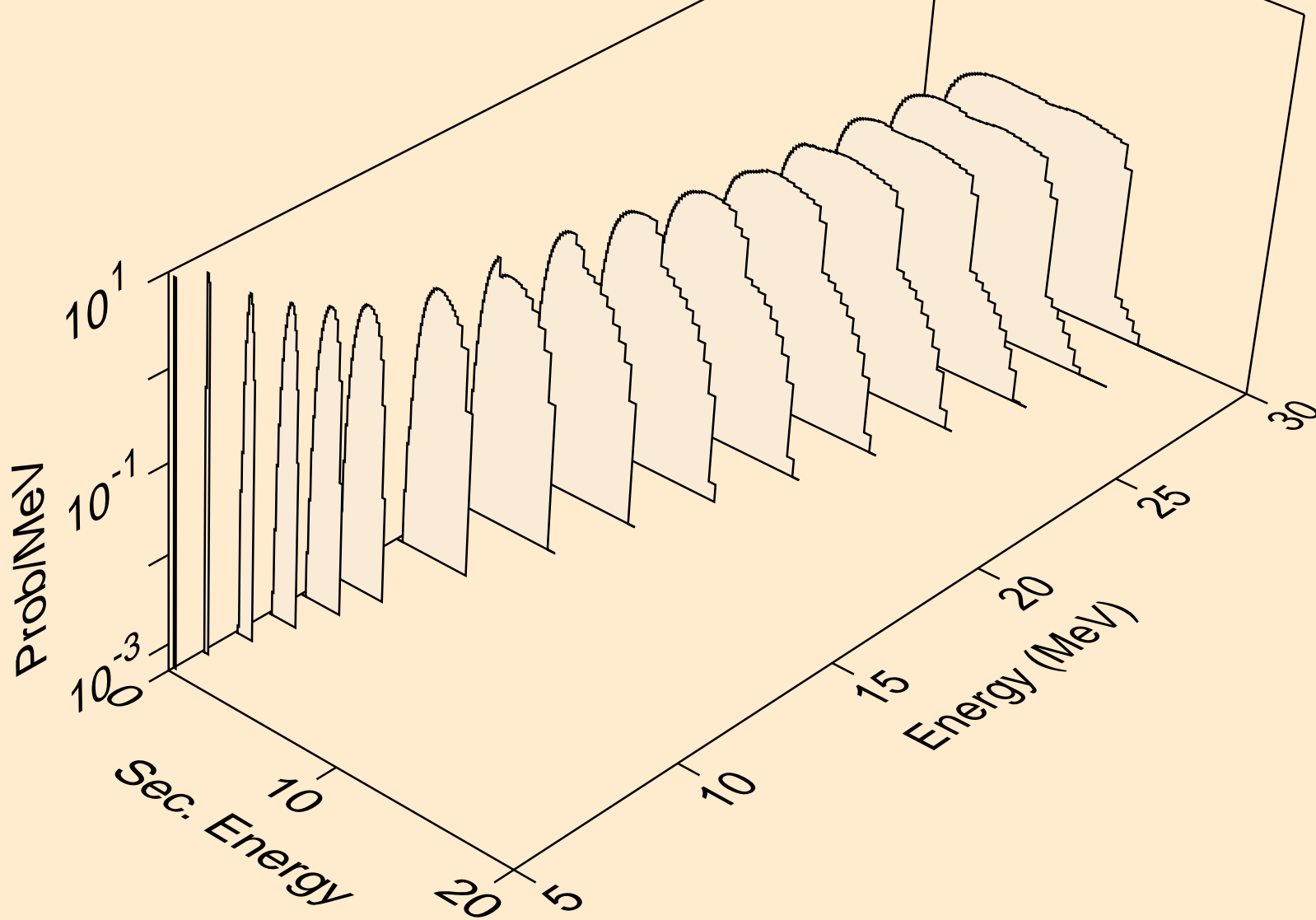
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,n\*)t



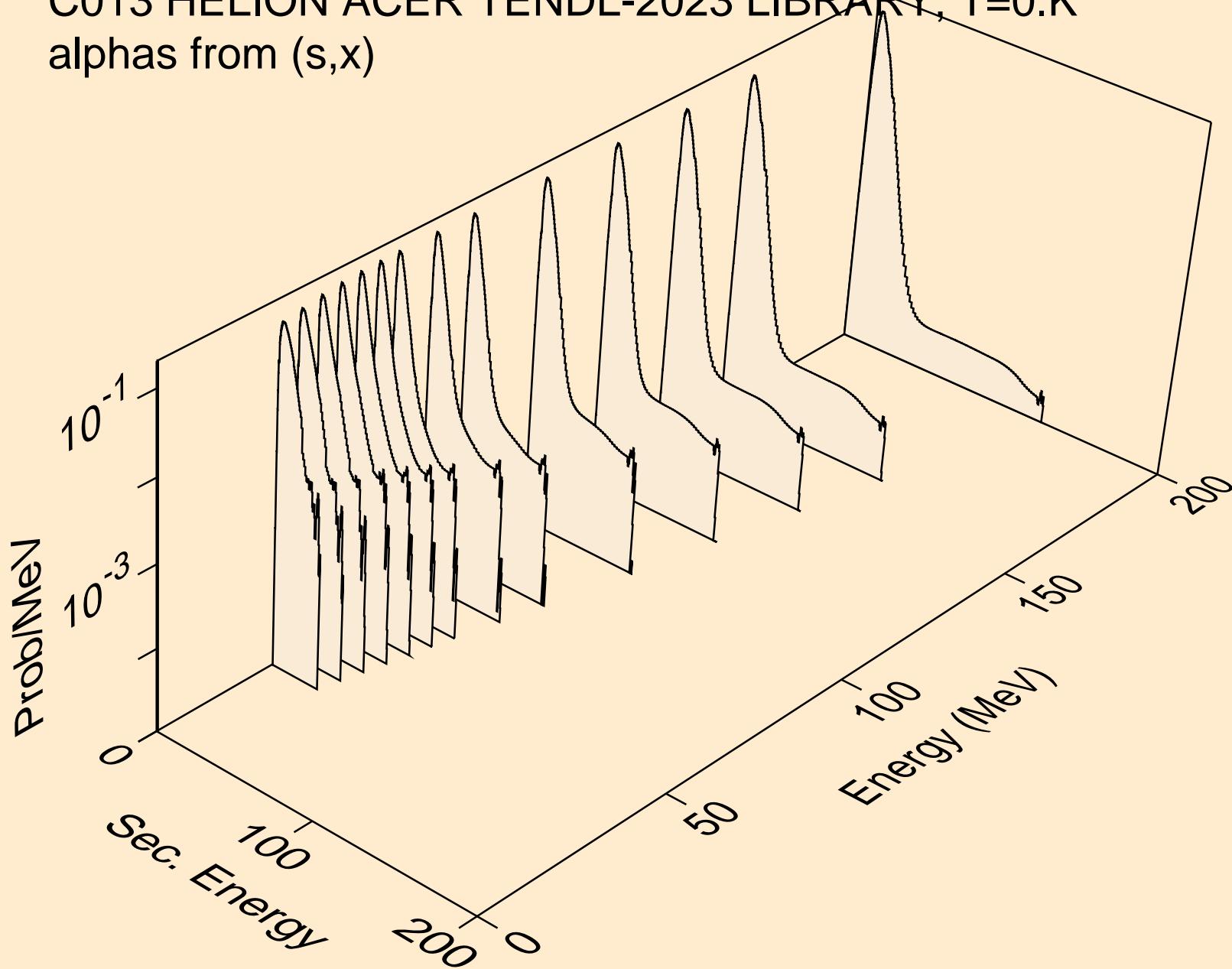
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tritons from (s,t)



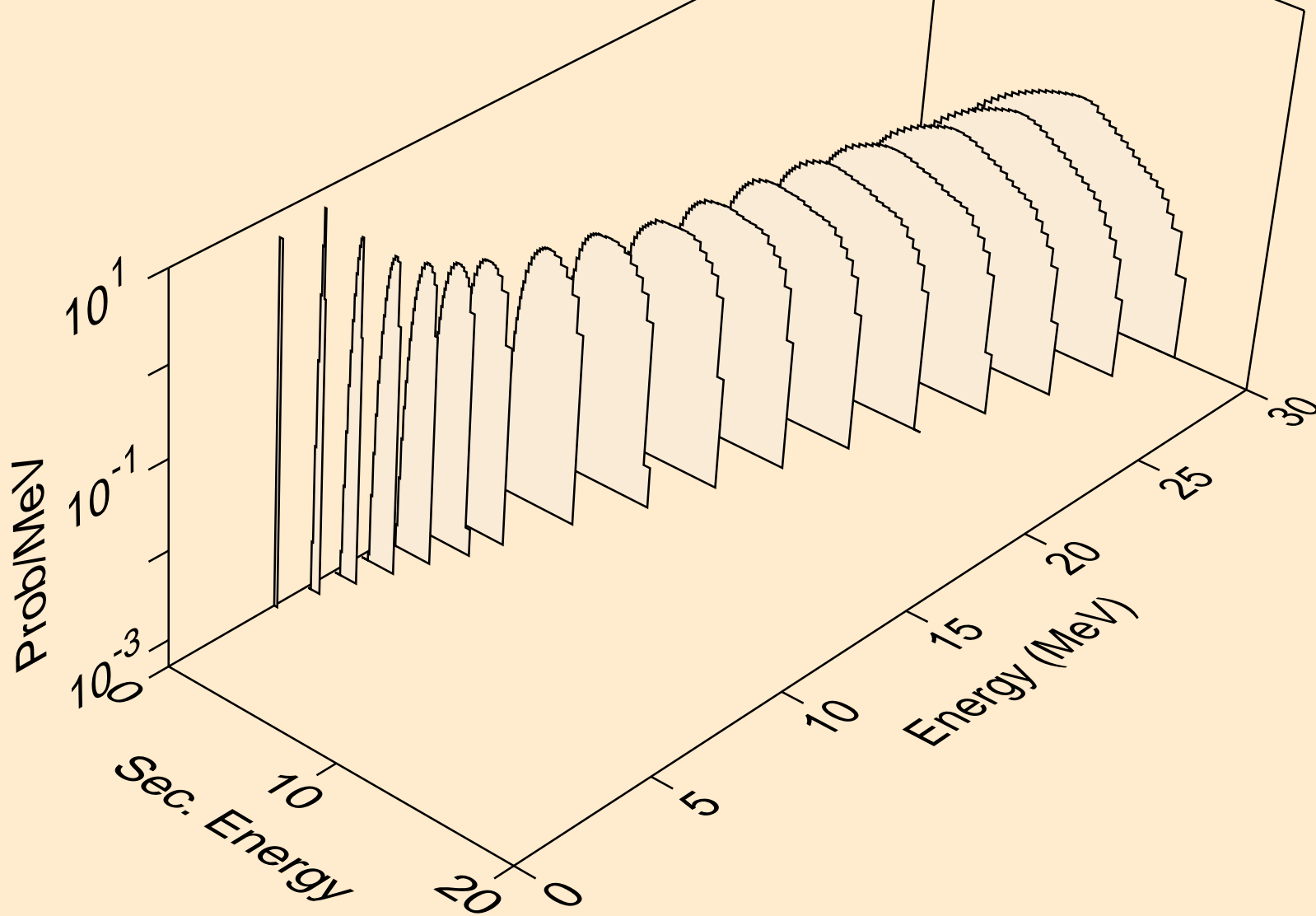
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,pt)



C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,x)

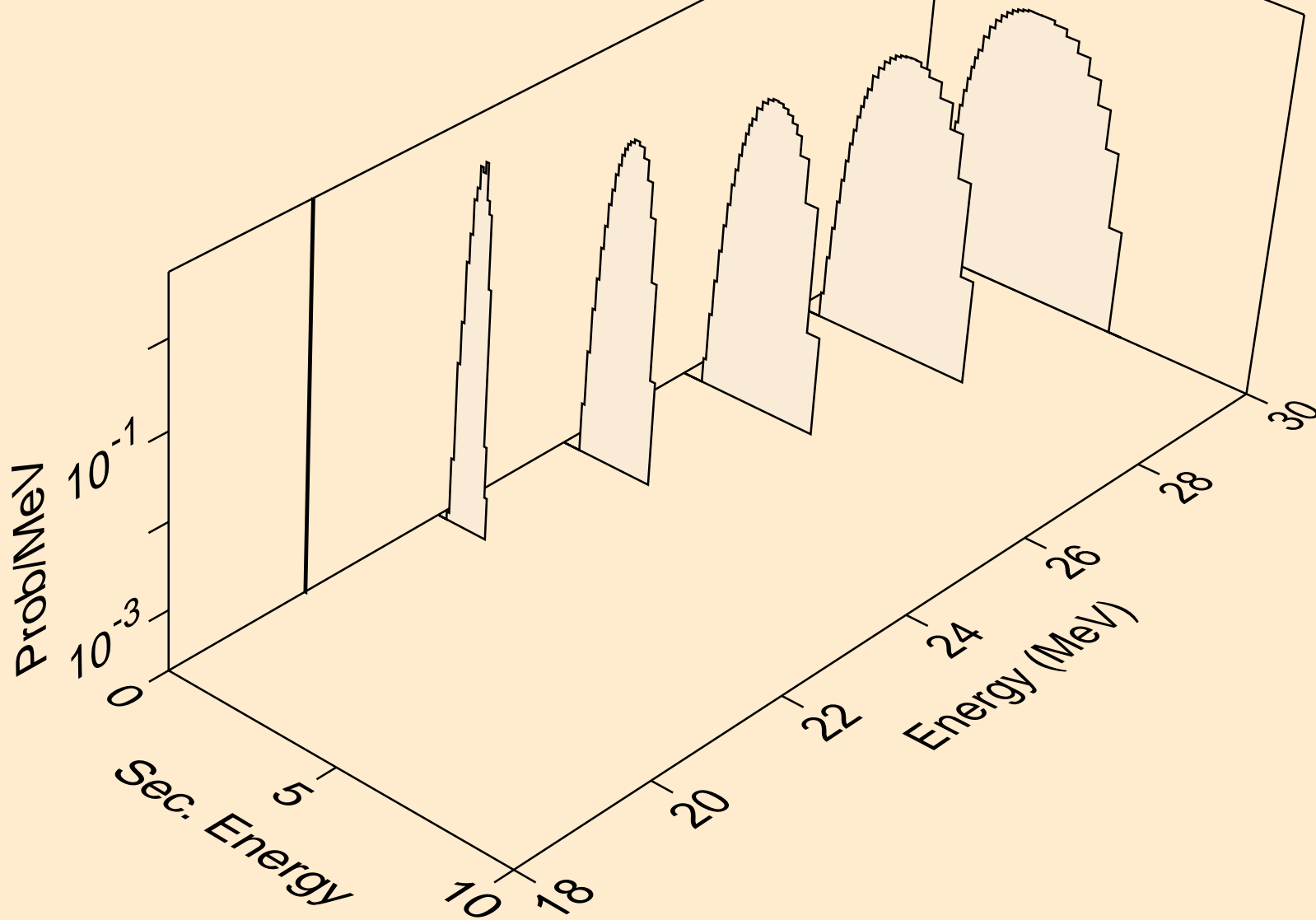


C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)a

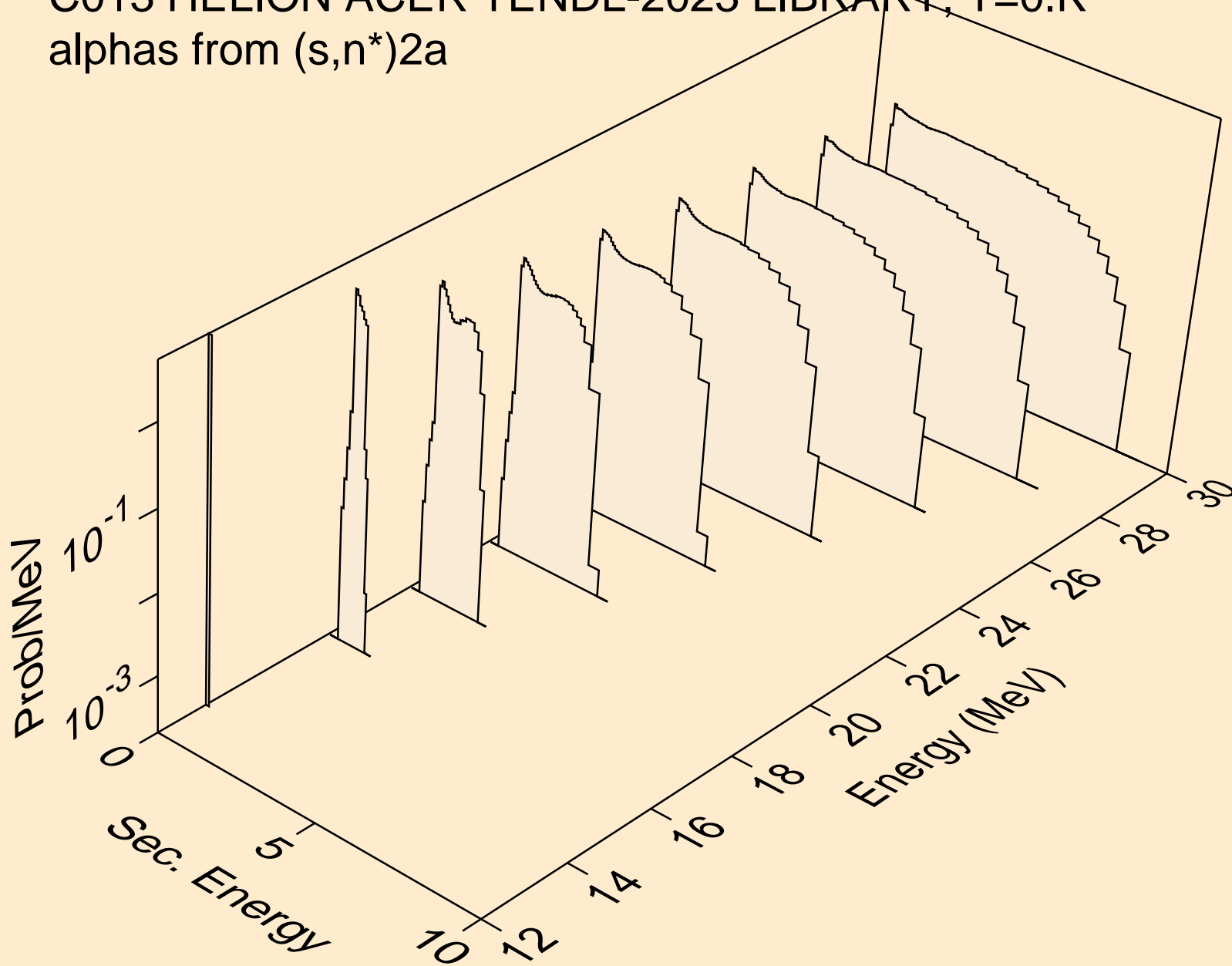




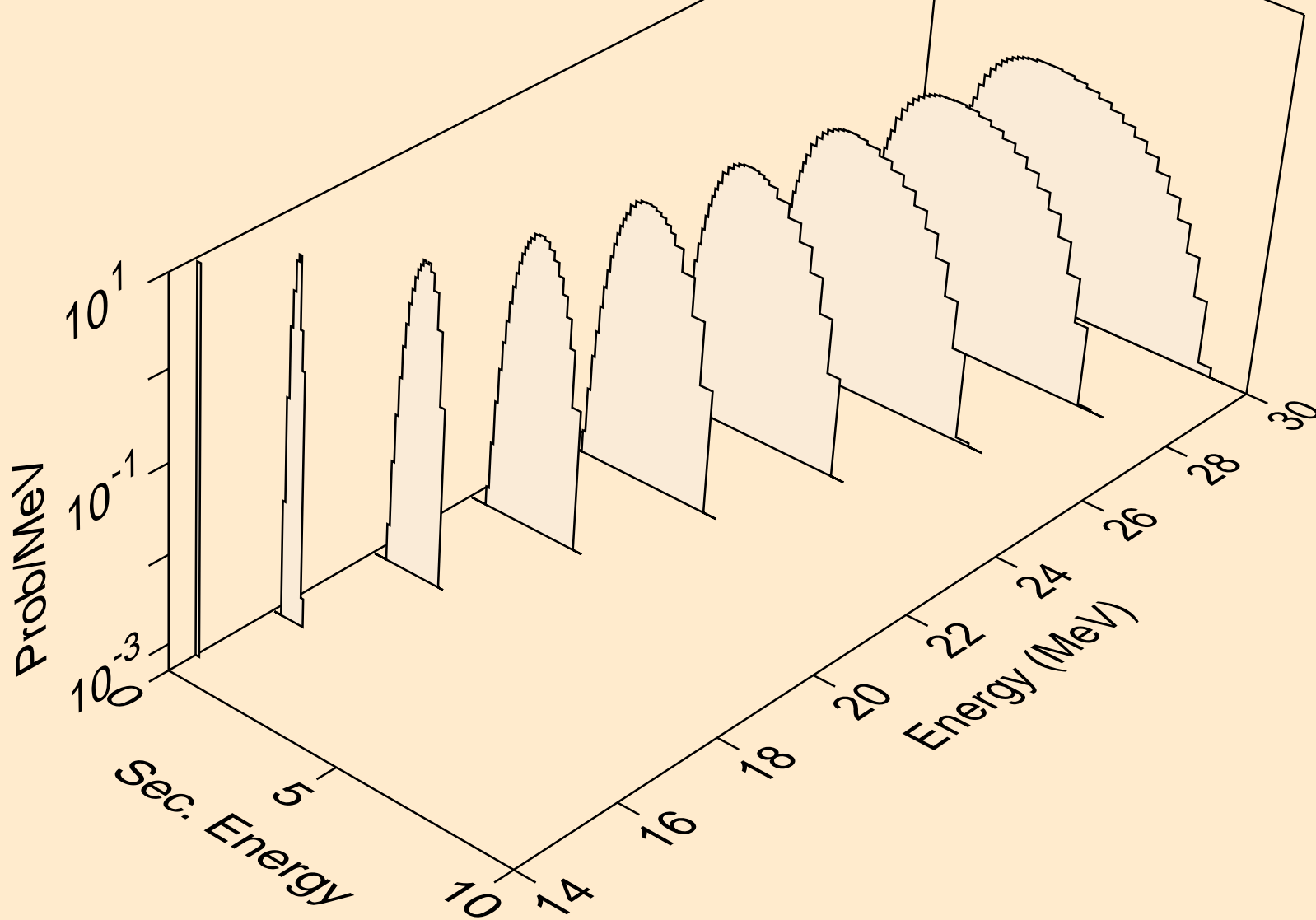
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2n)a



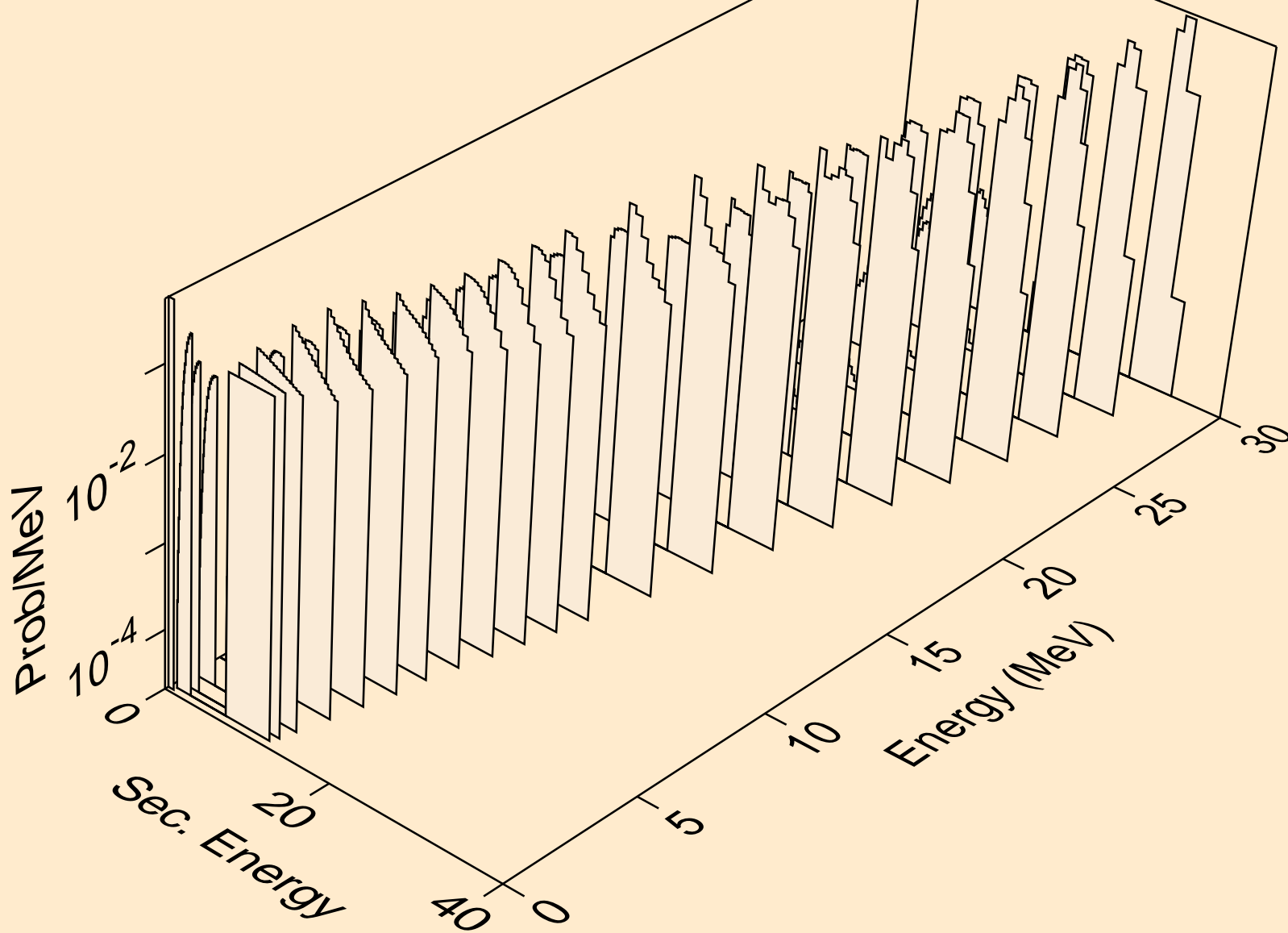
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)2a



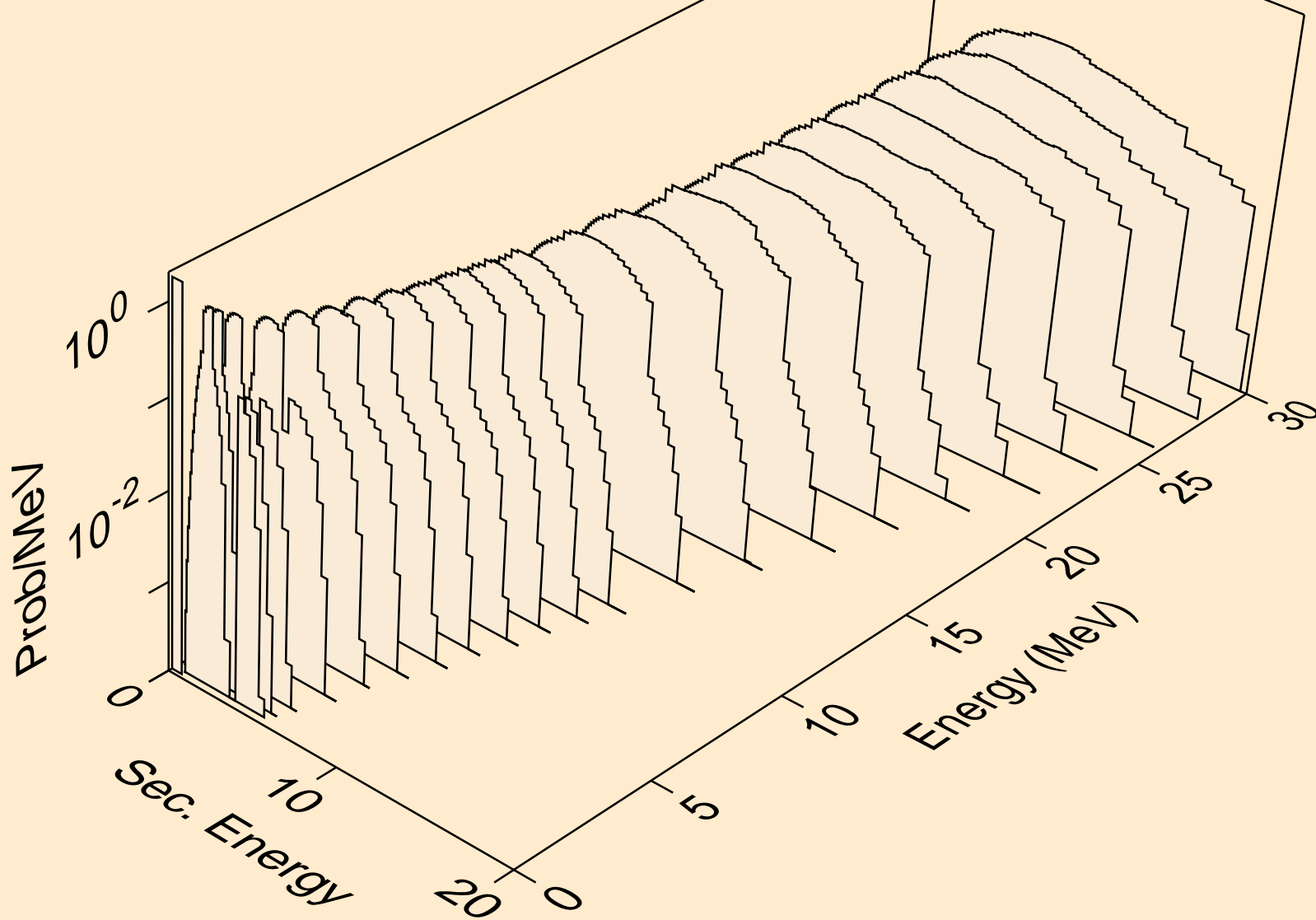
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alphas from (s,npa)



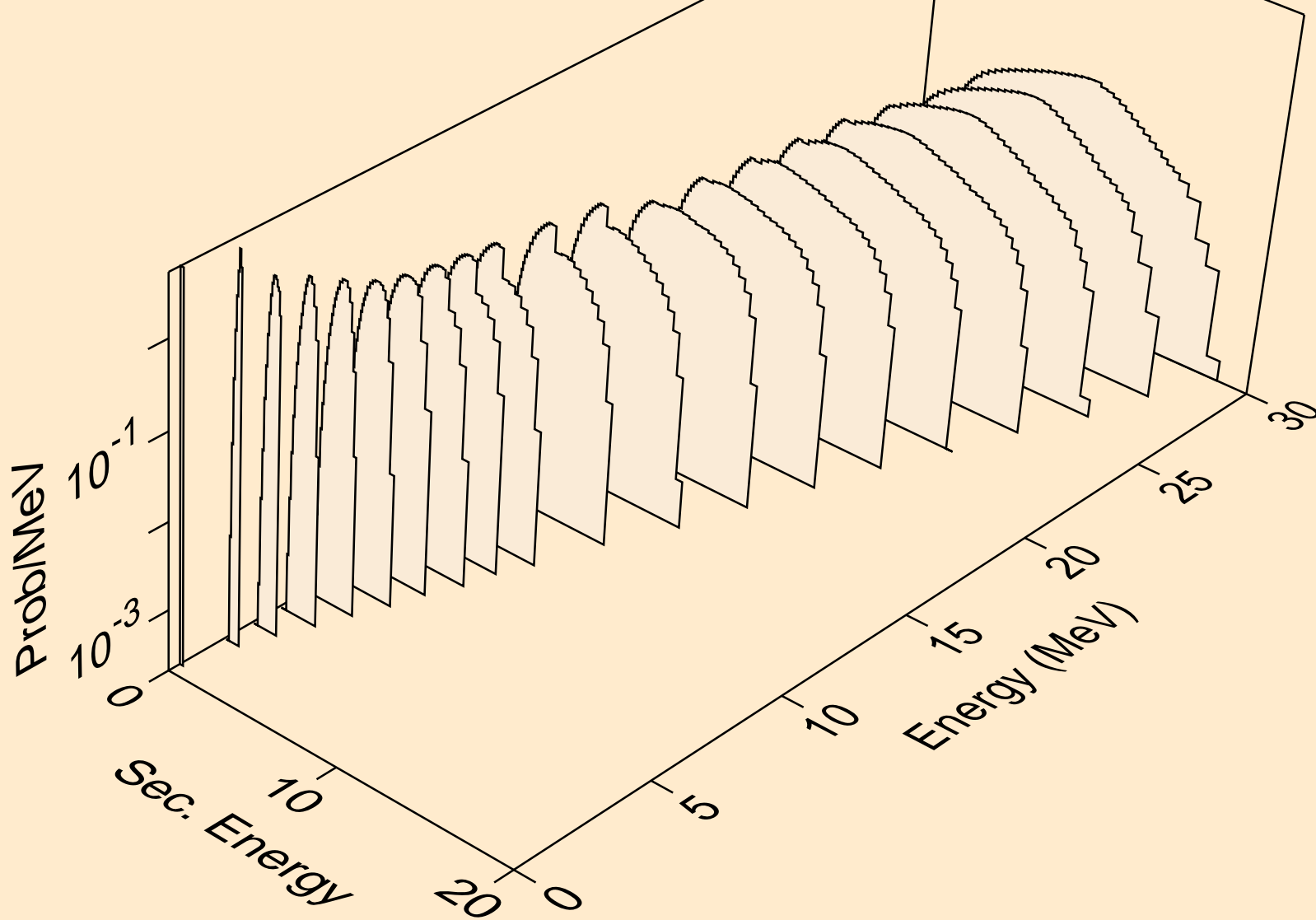
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,a)



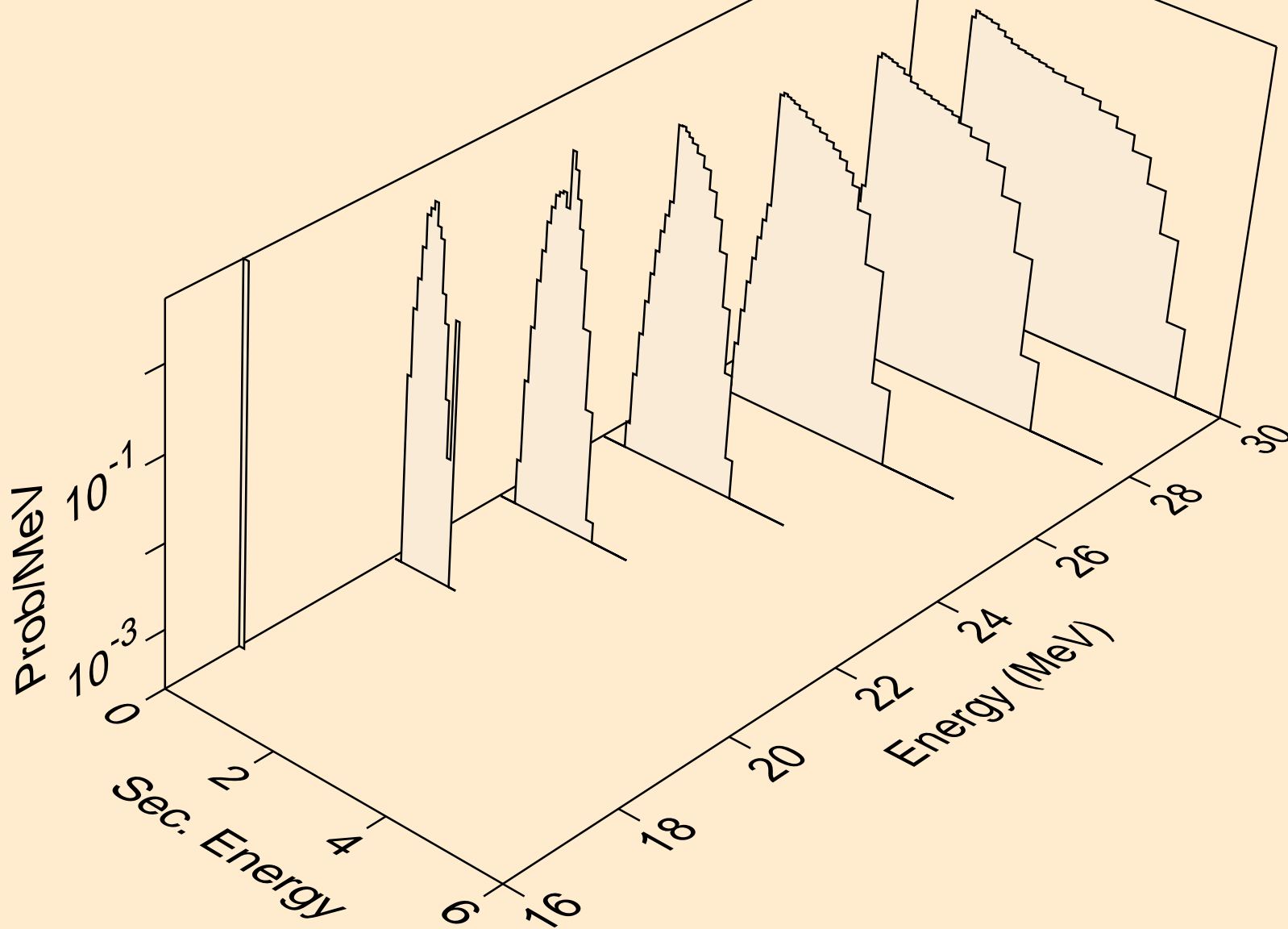
C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)



C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,d2a)



C013 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

