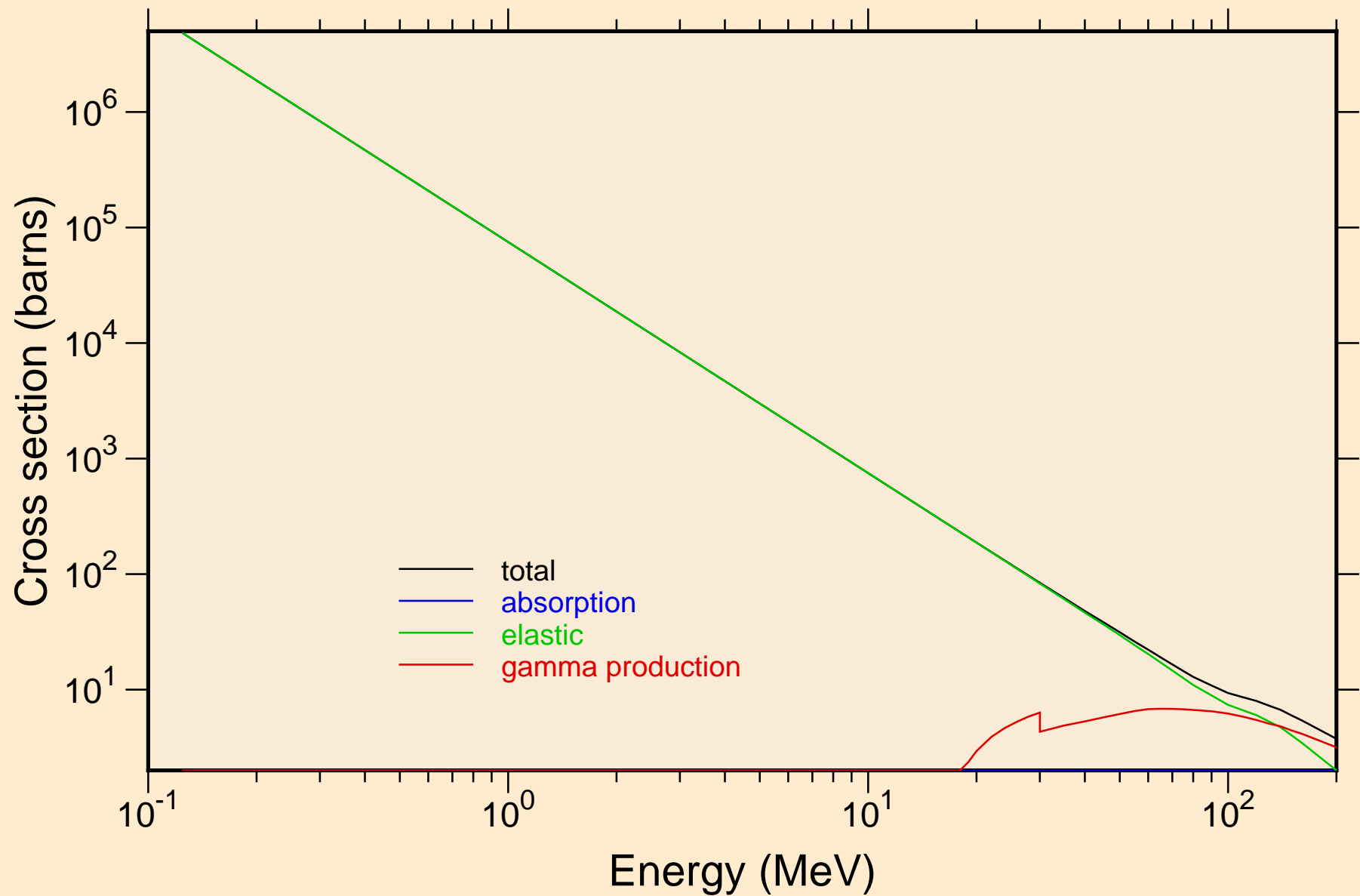
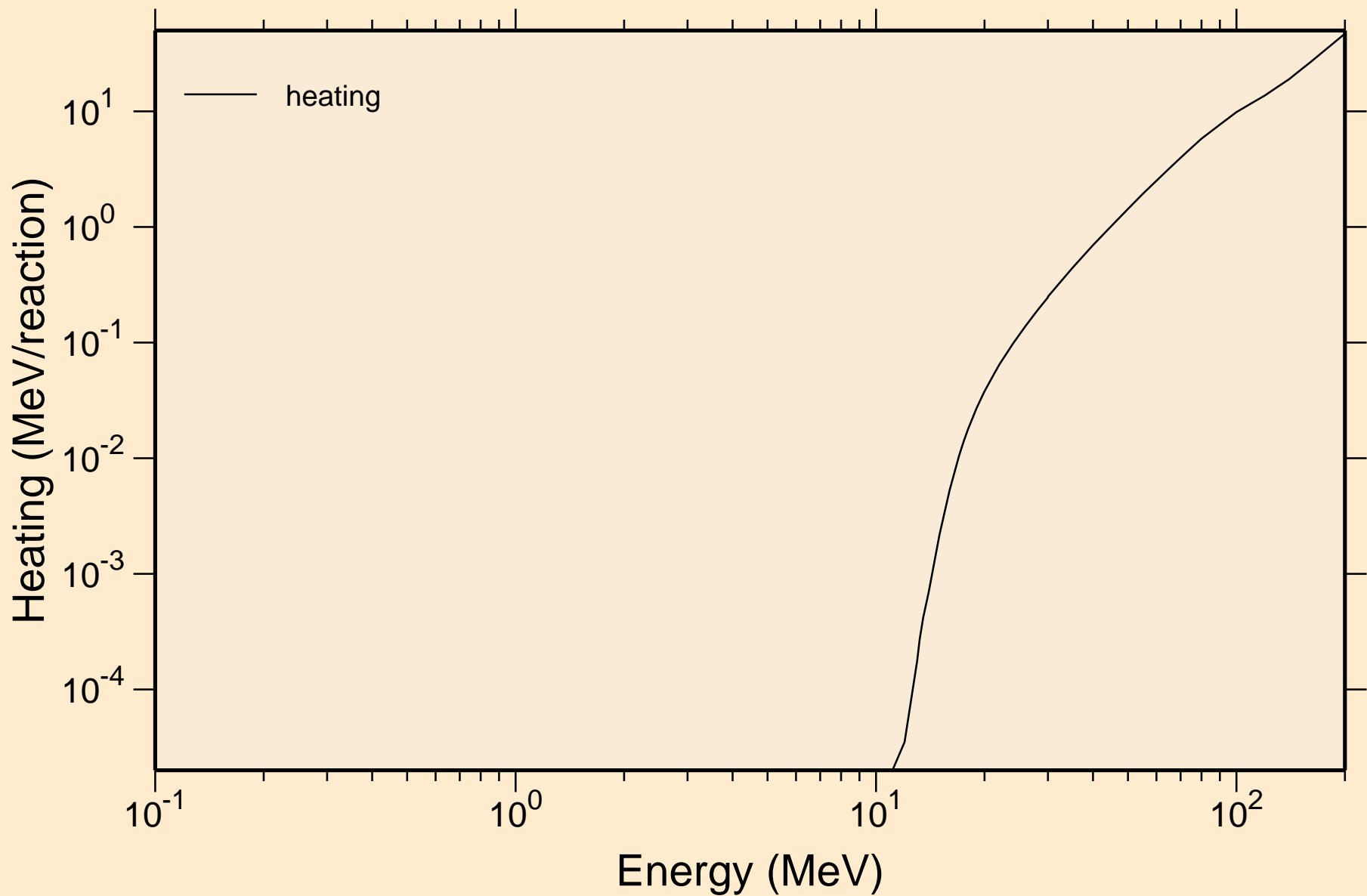


XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections

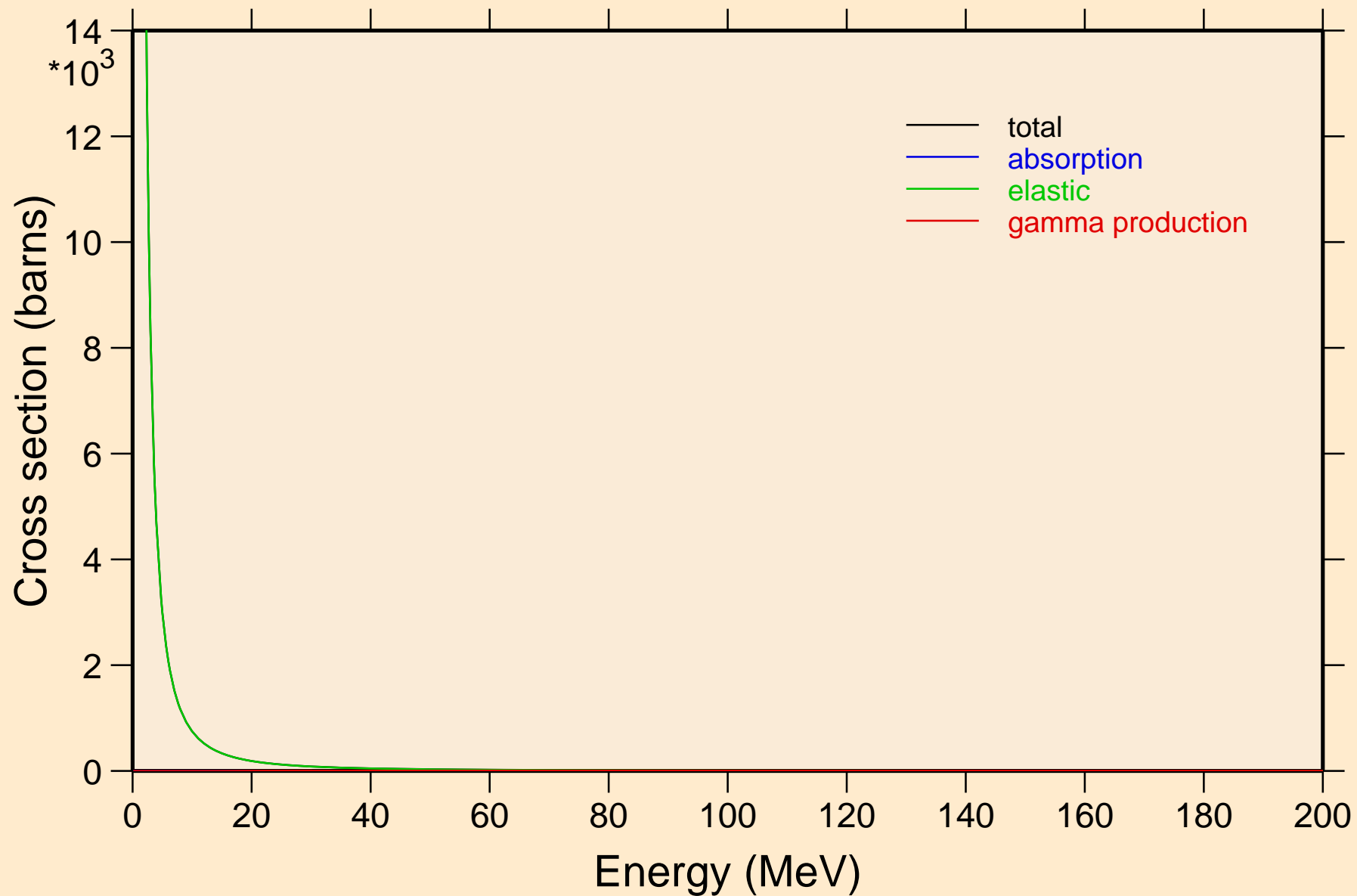


XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Heating



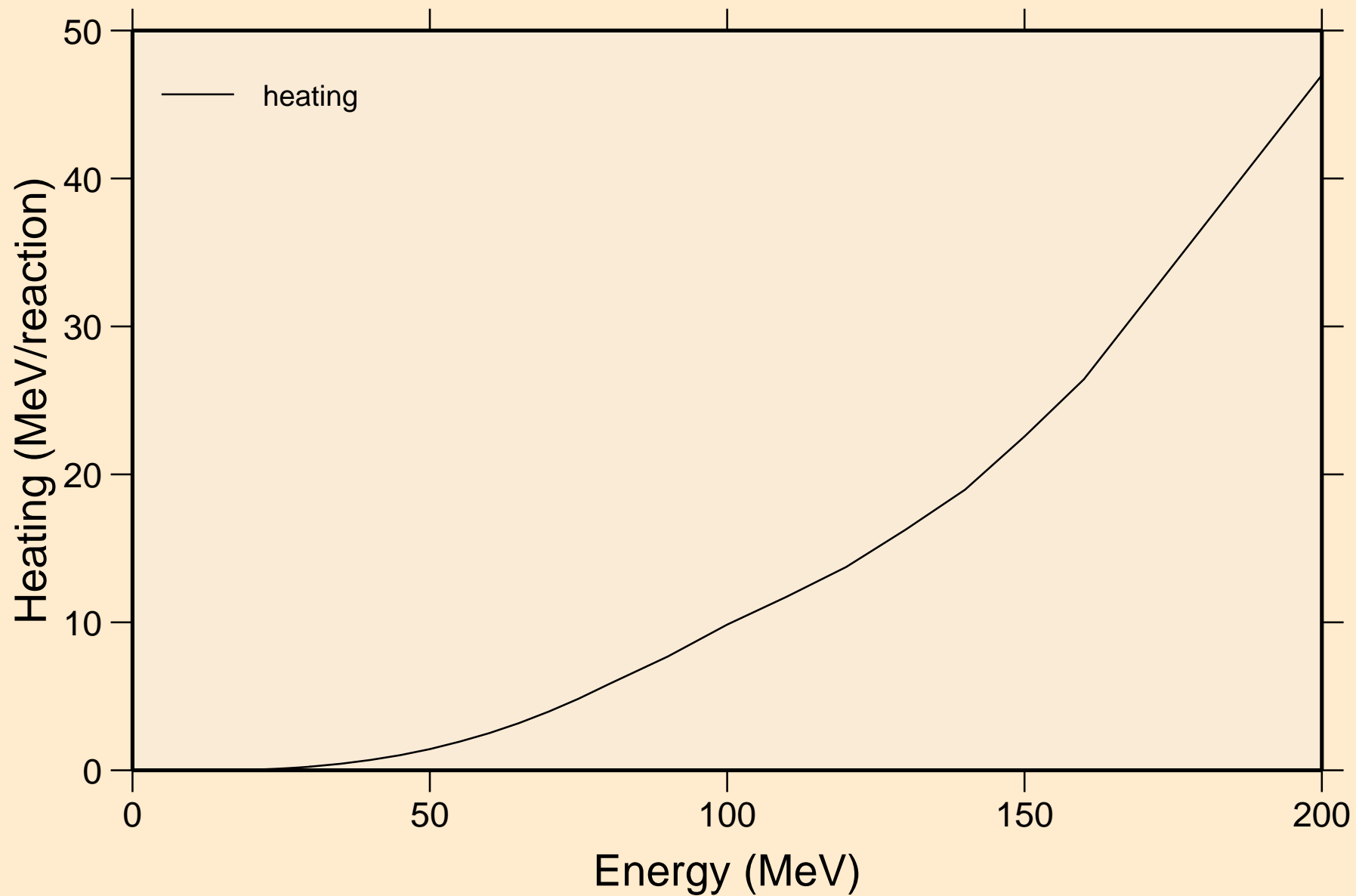
# XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



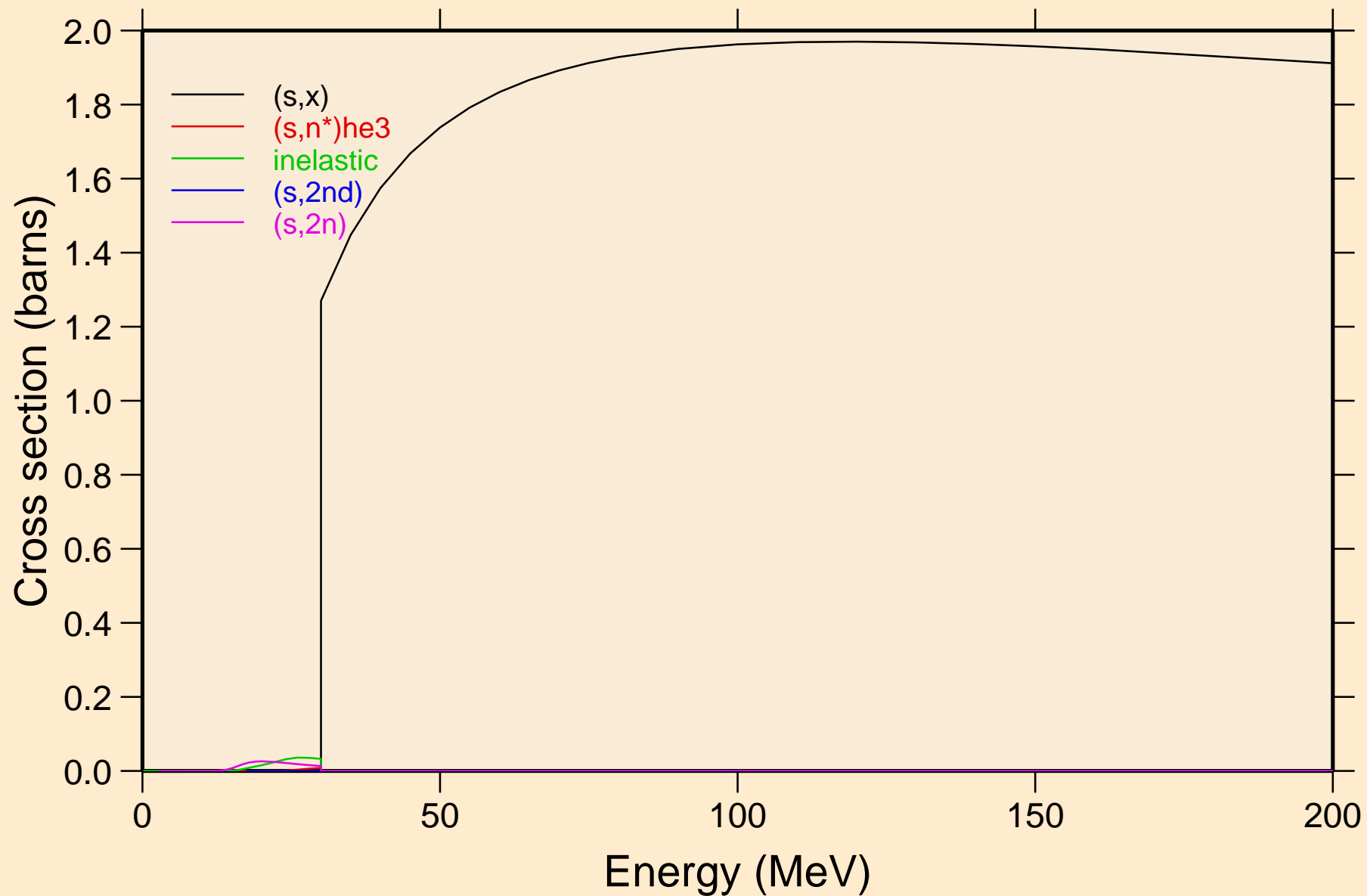
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## Heating

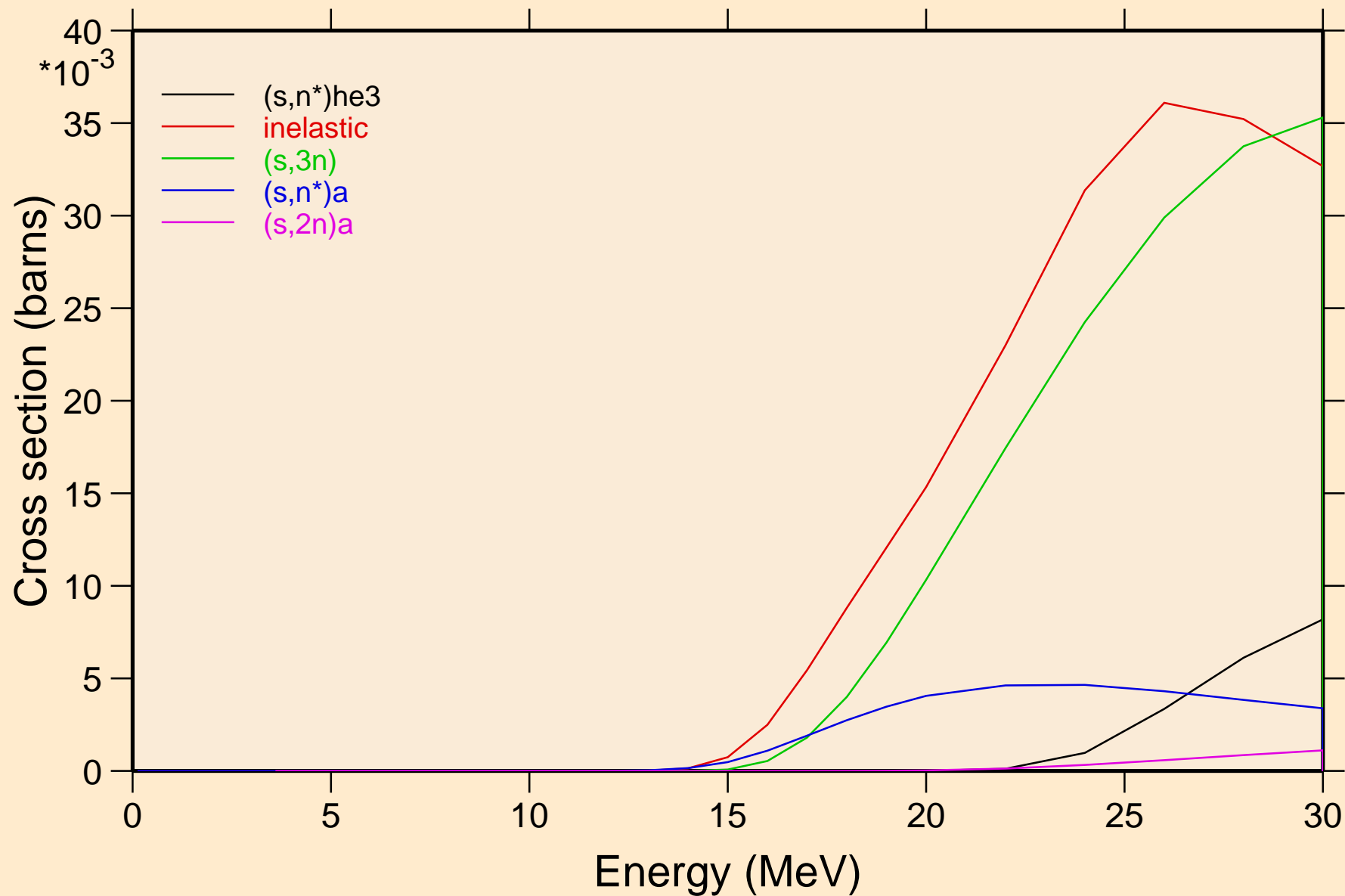


# XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K

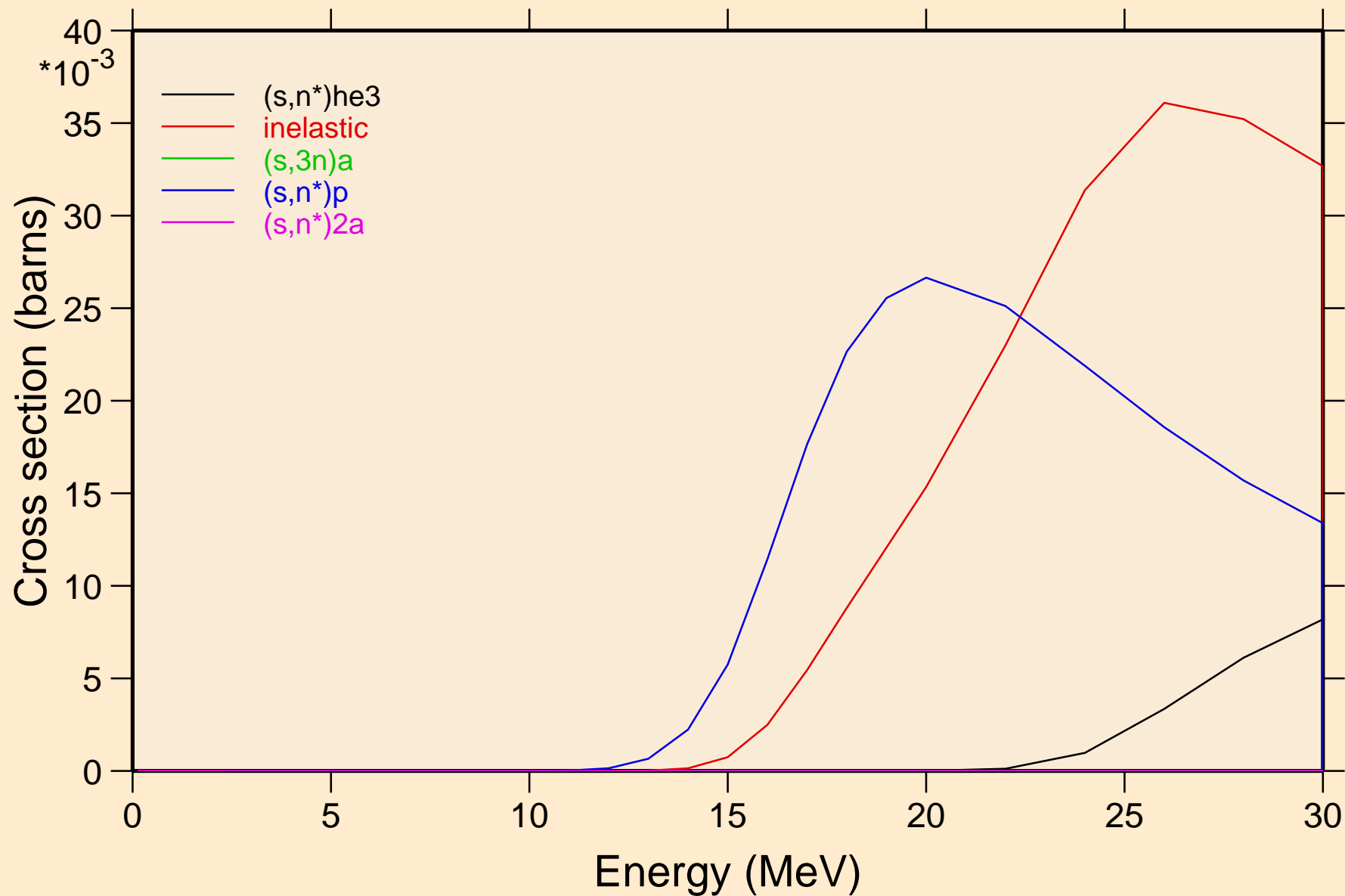
## Threshold reactions



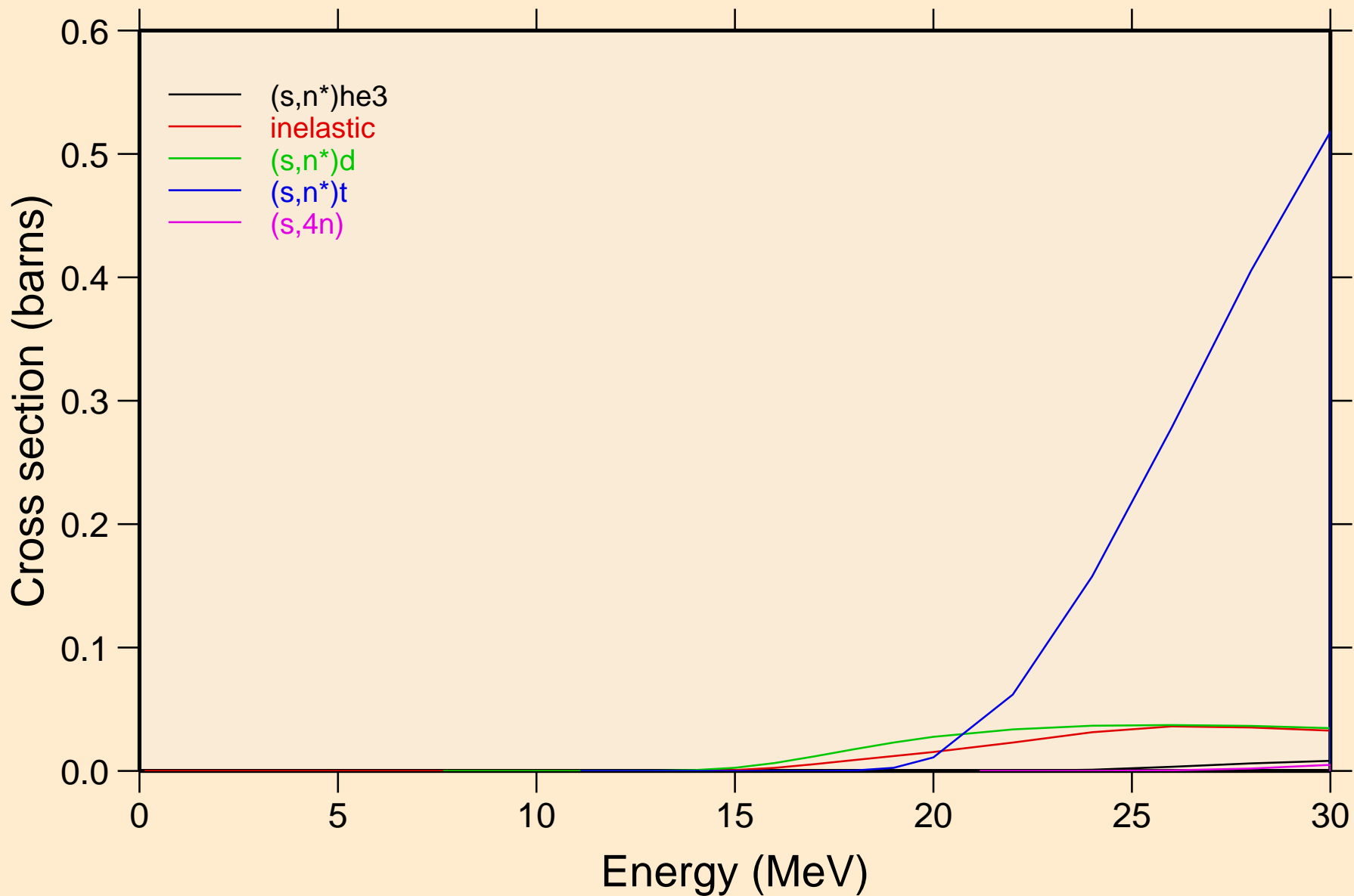
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

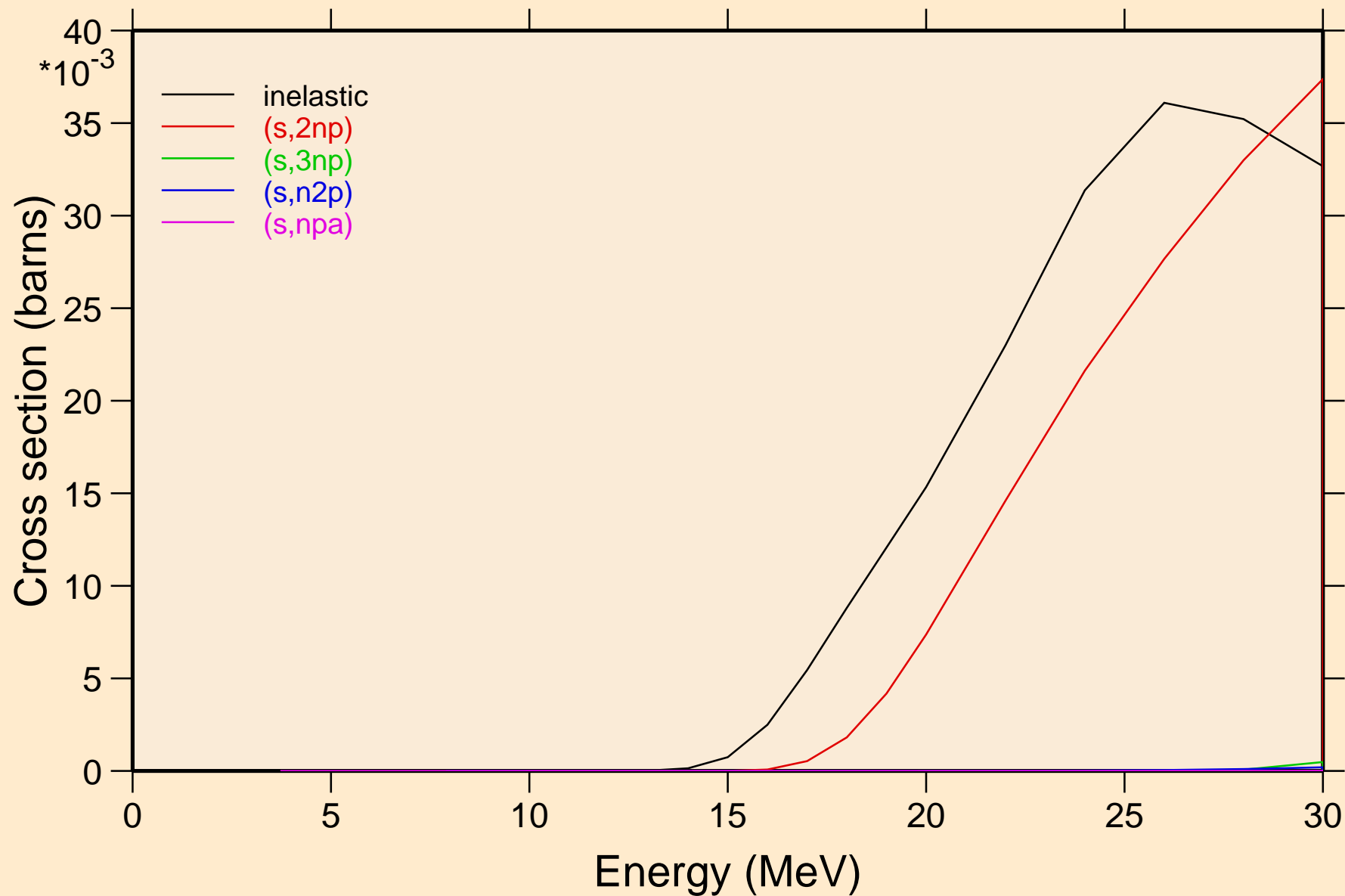


XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

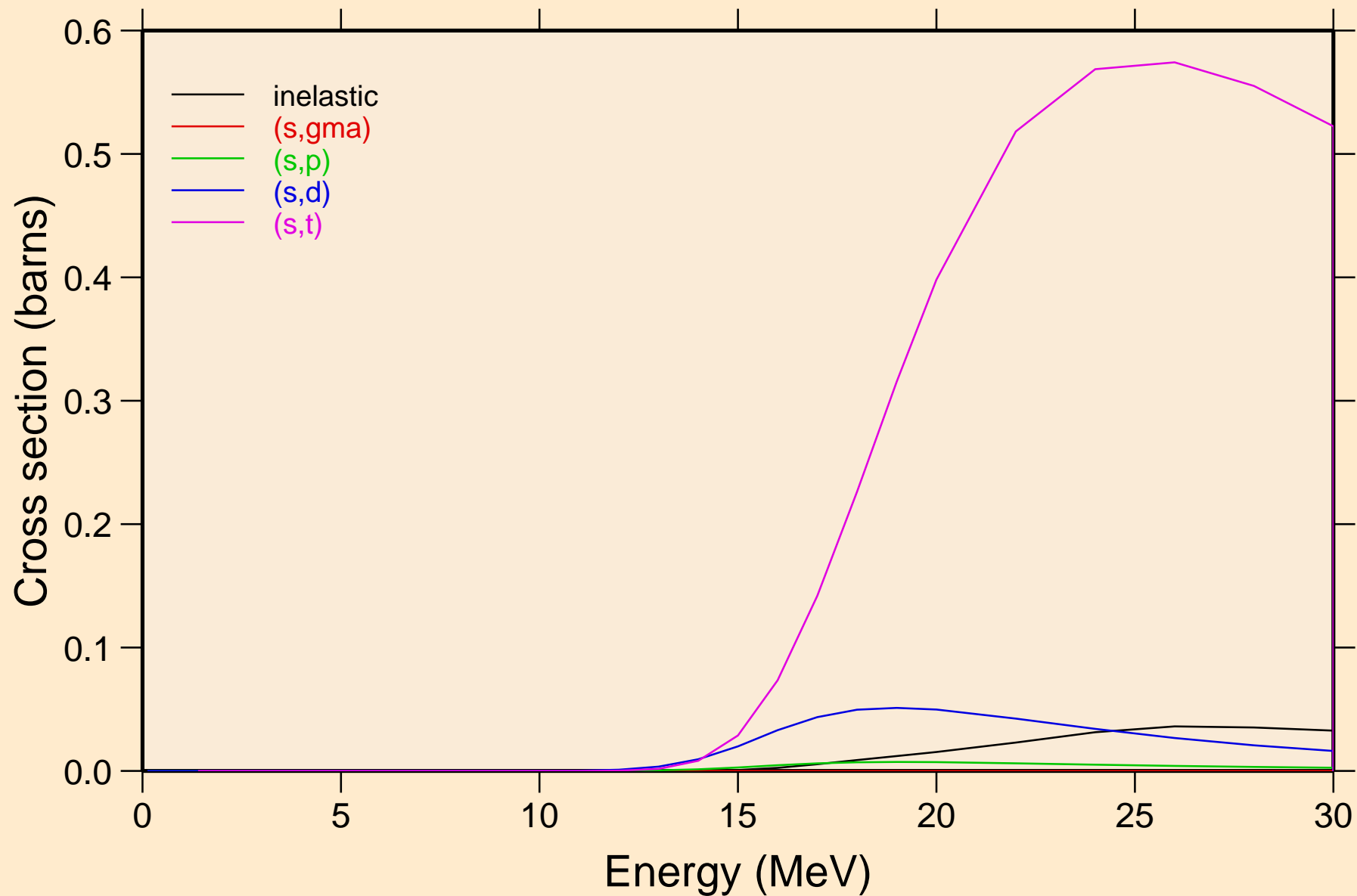




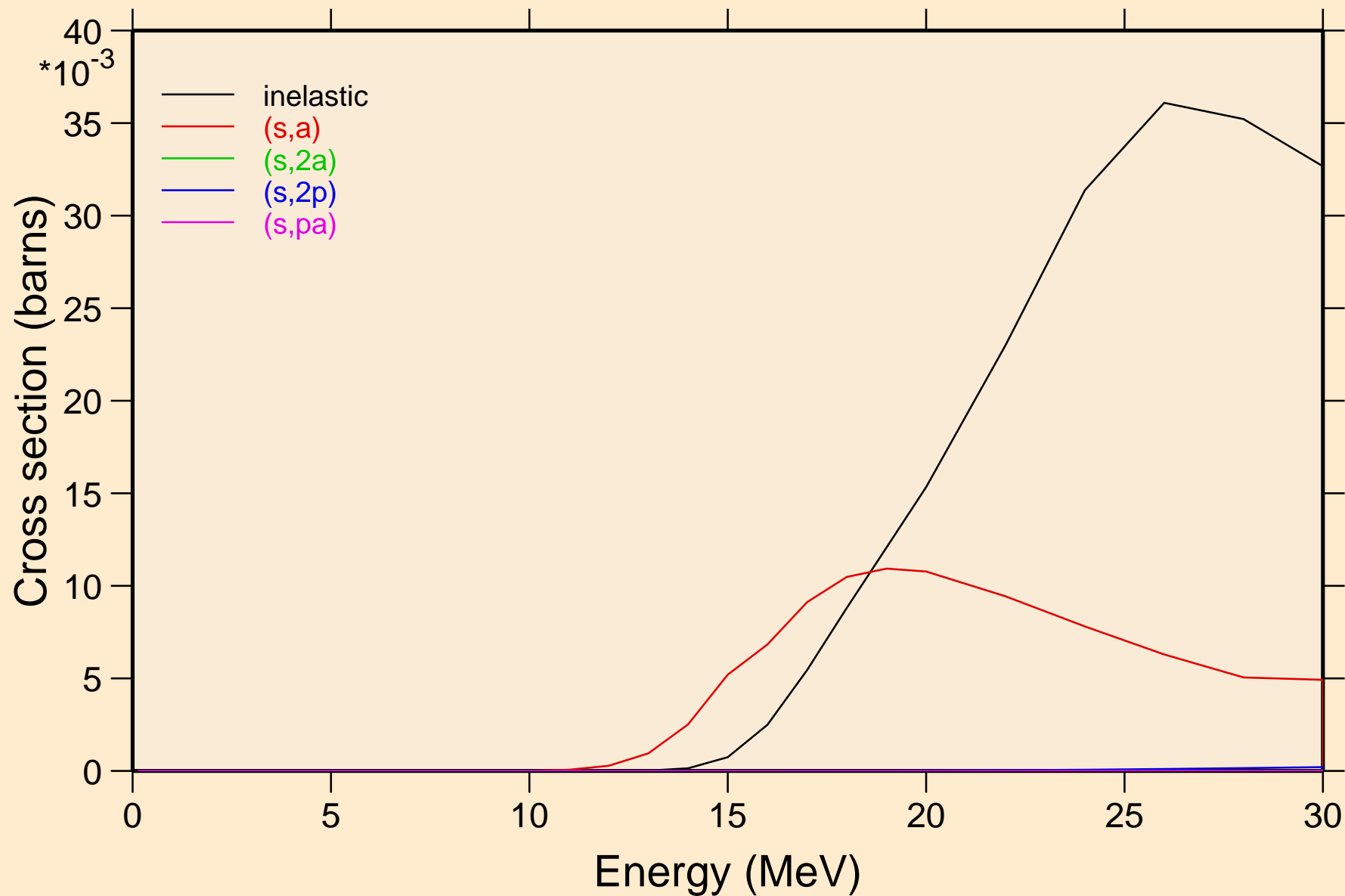
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



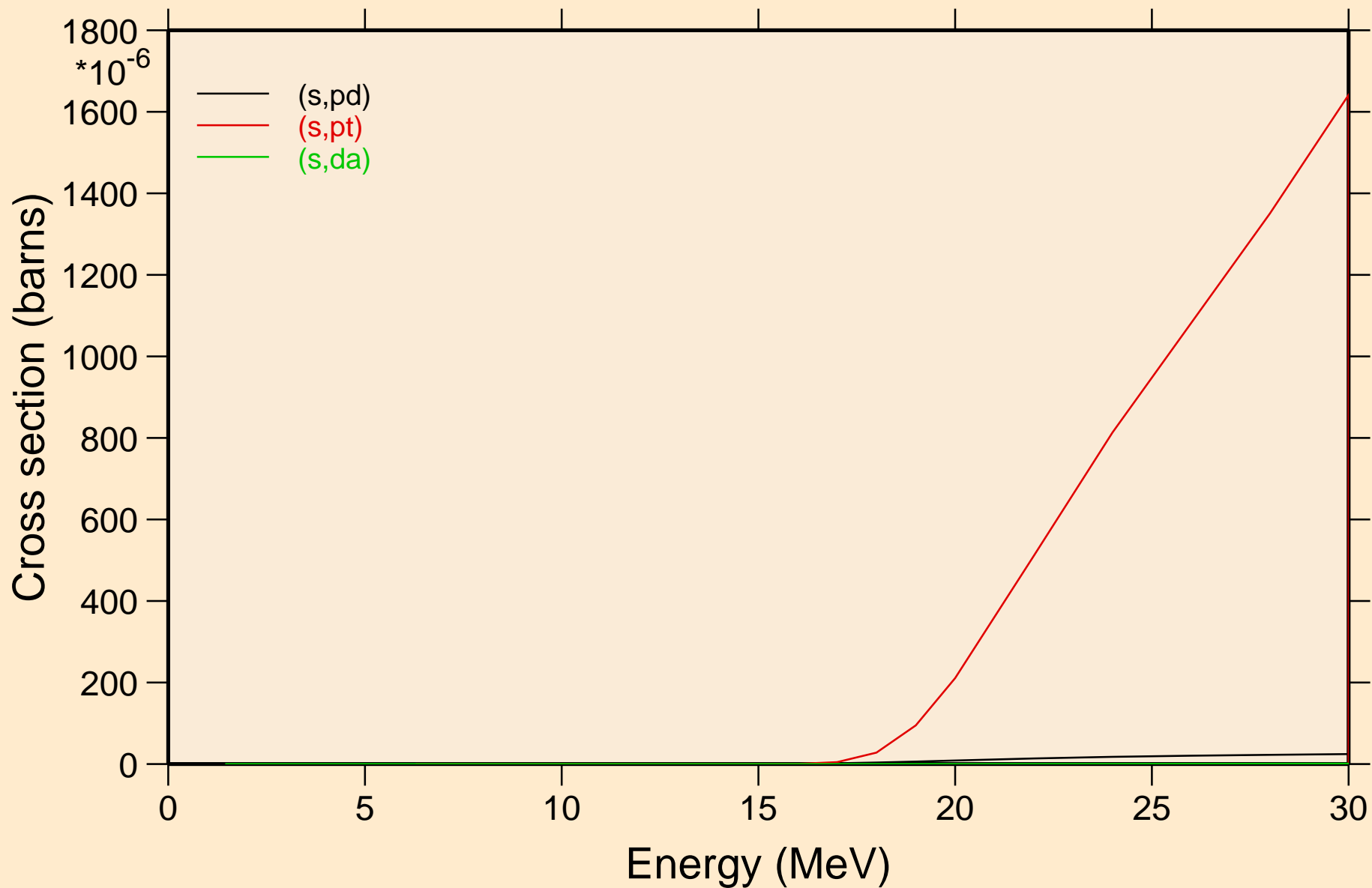
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Threshold reactions



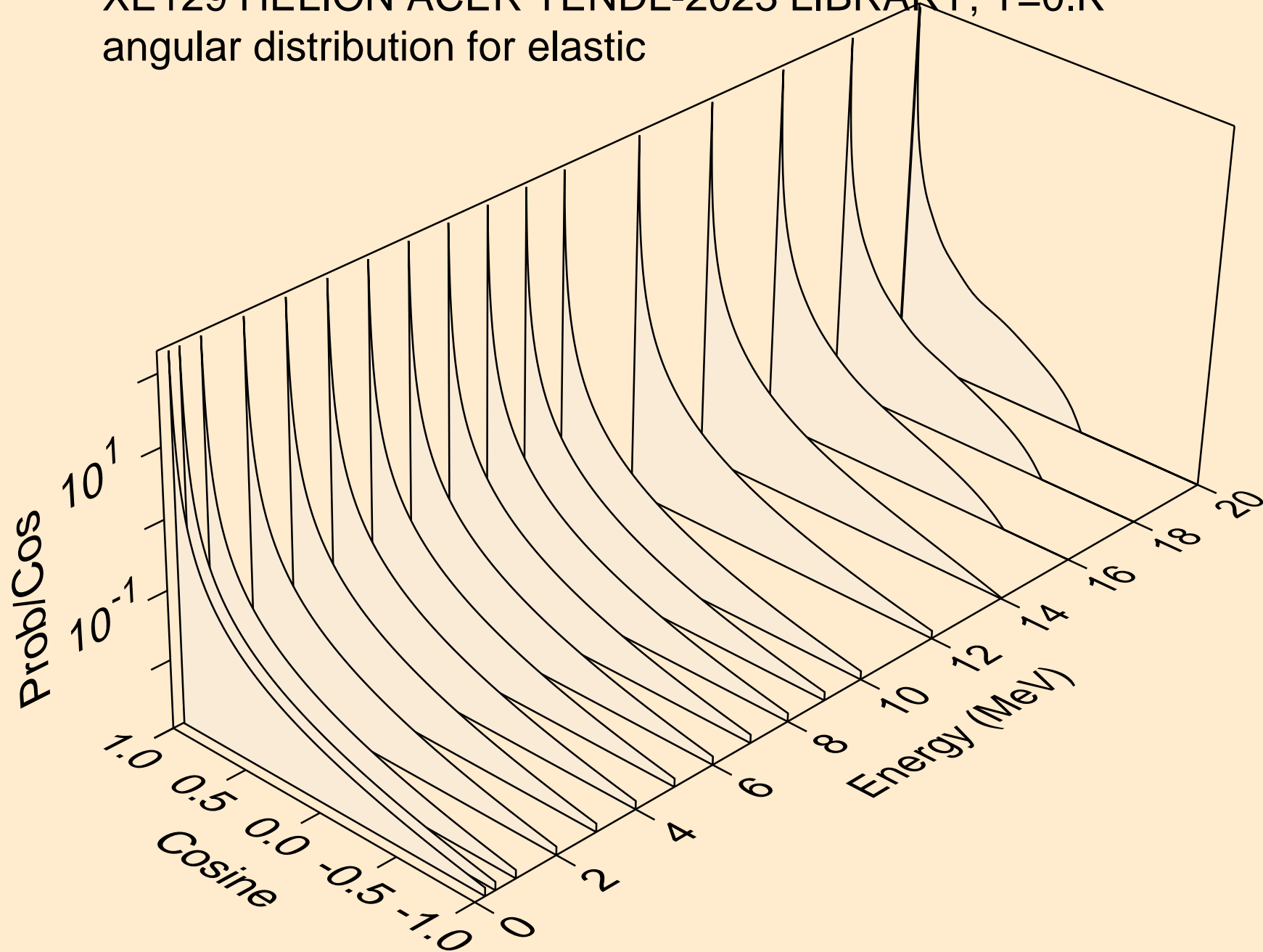
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Threshold reactions



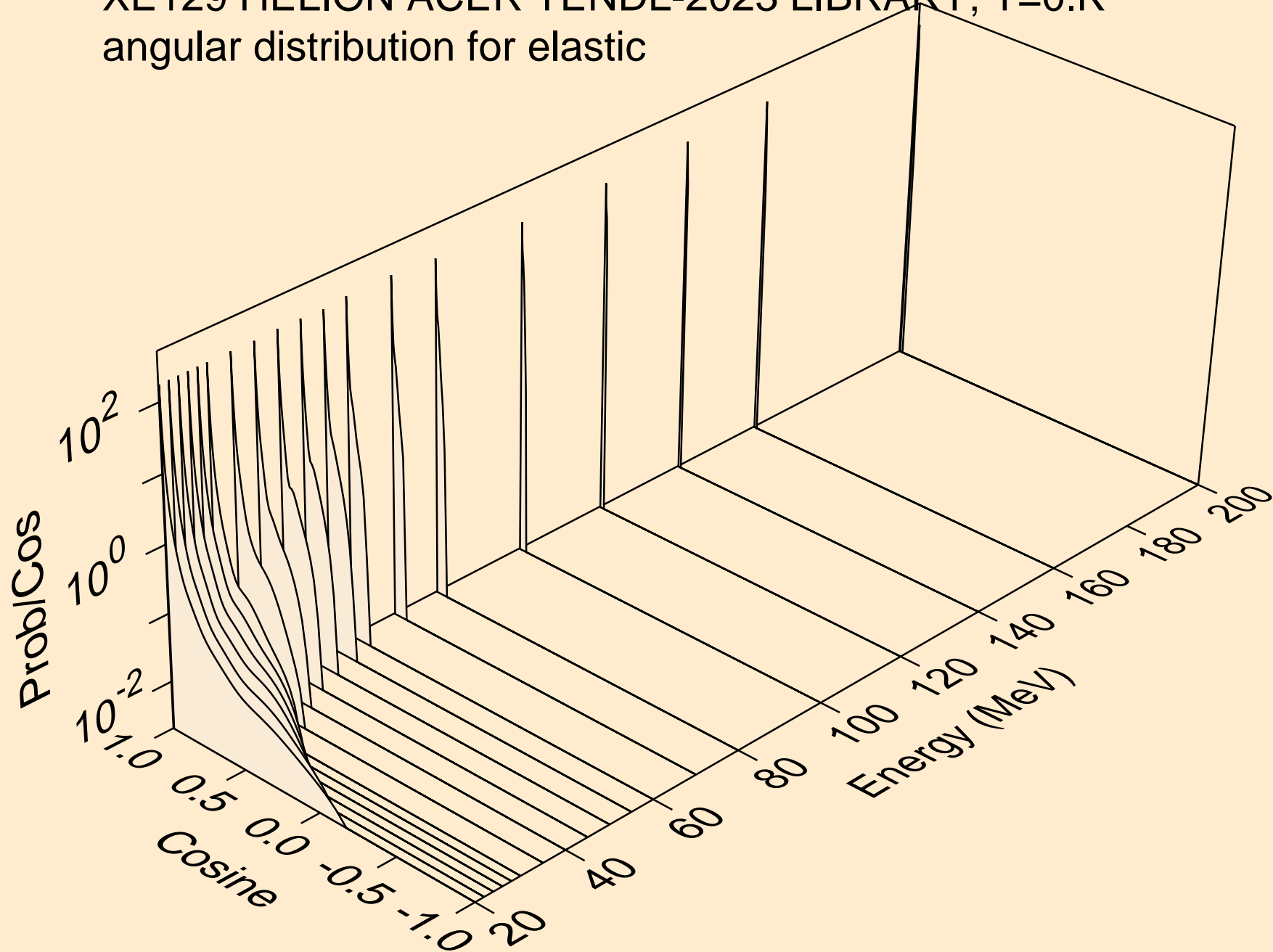
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



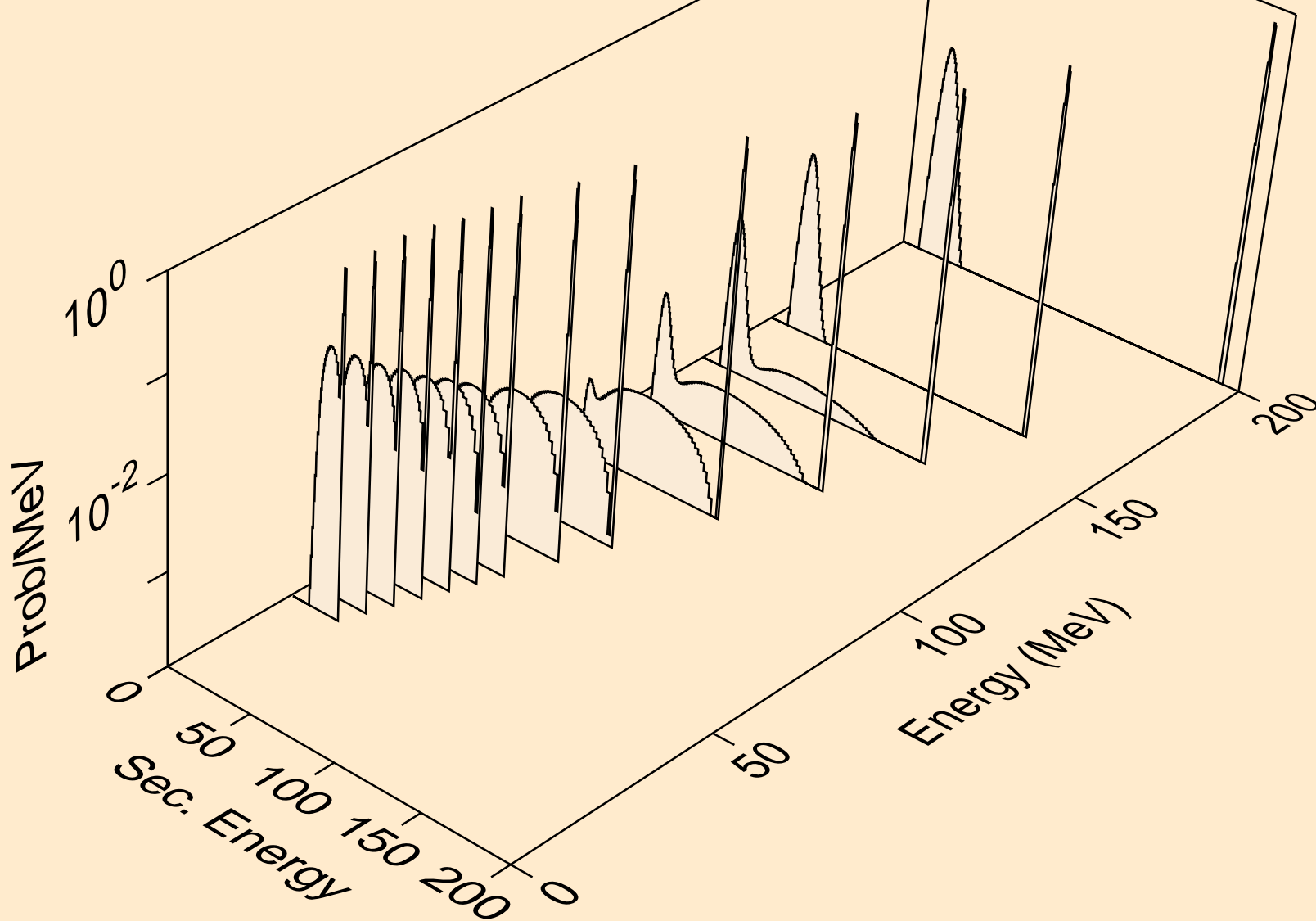
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



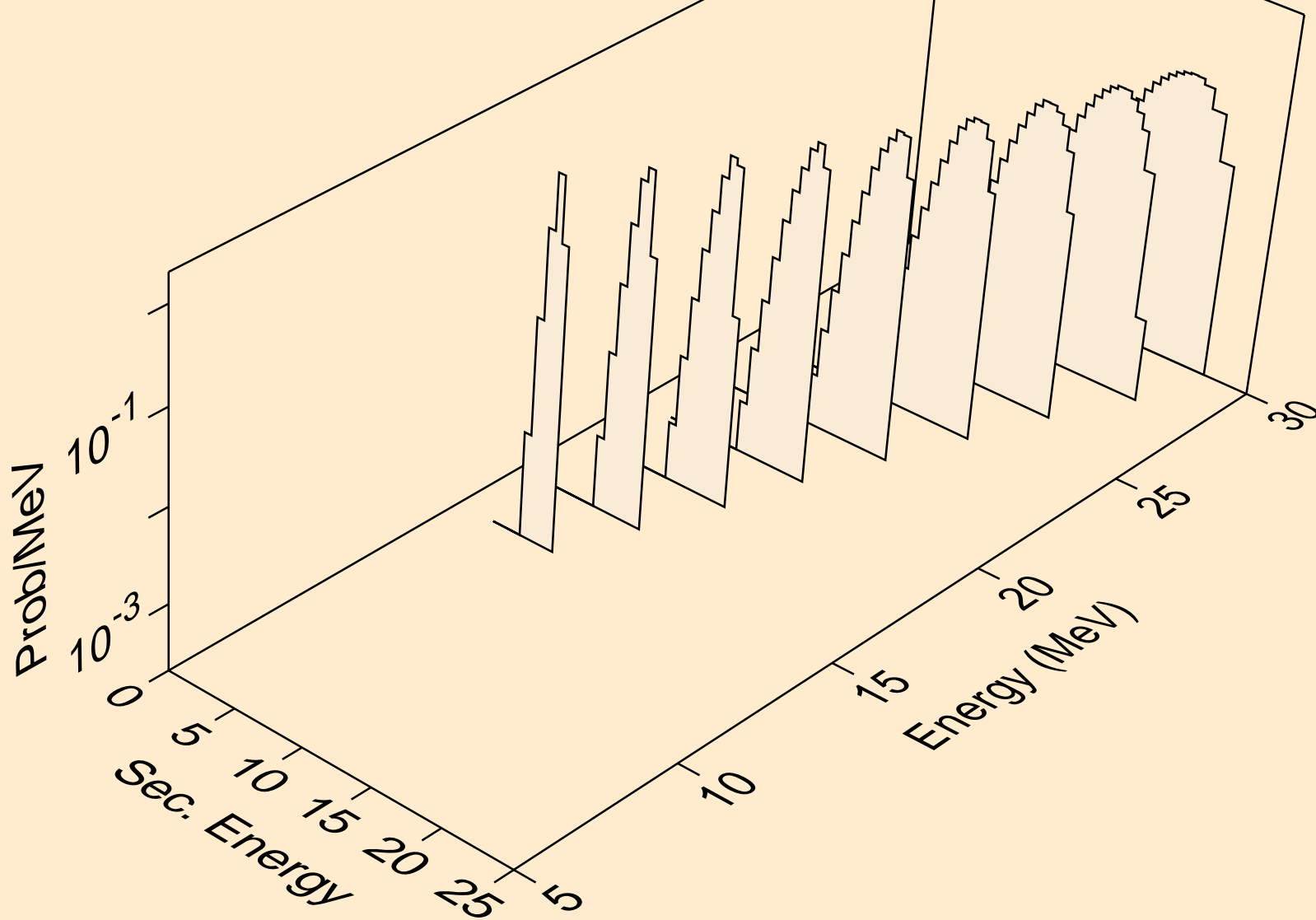
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)

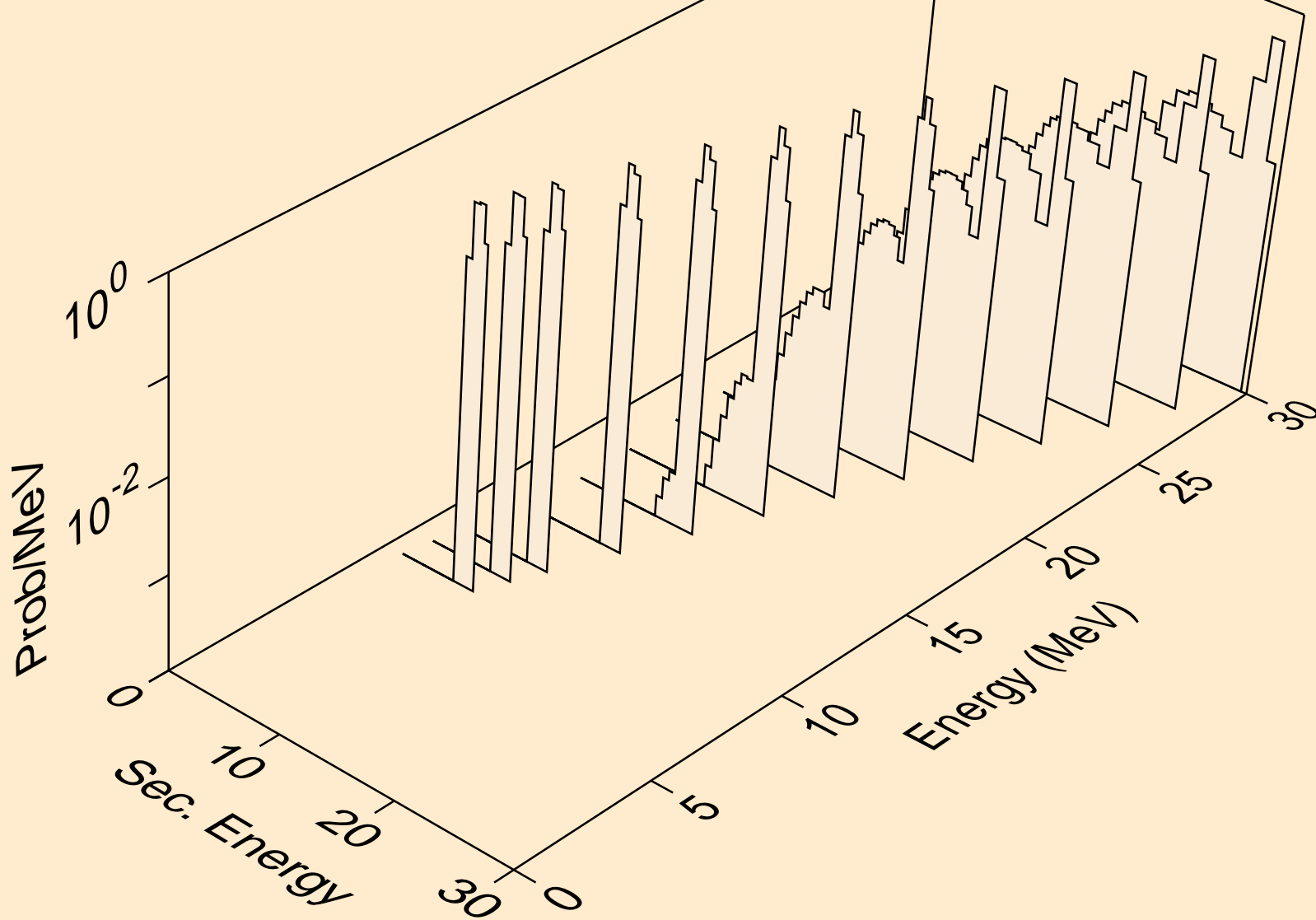


XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

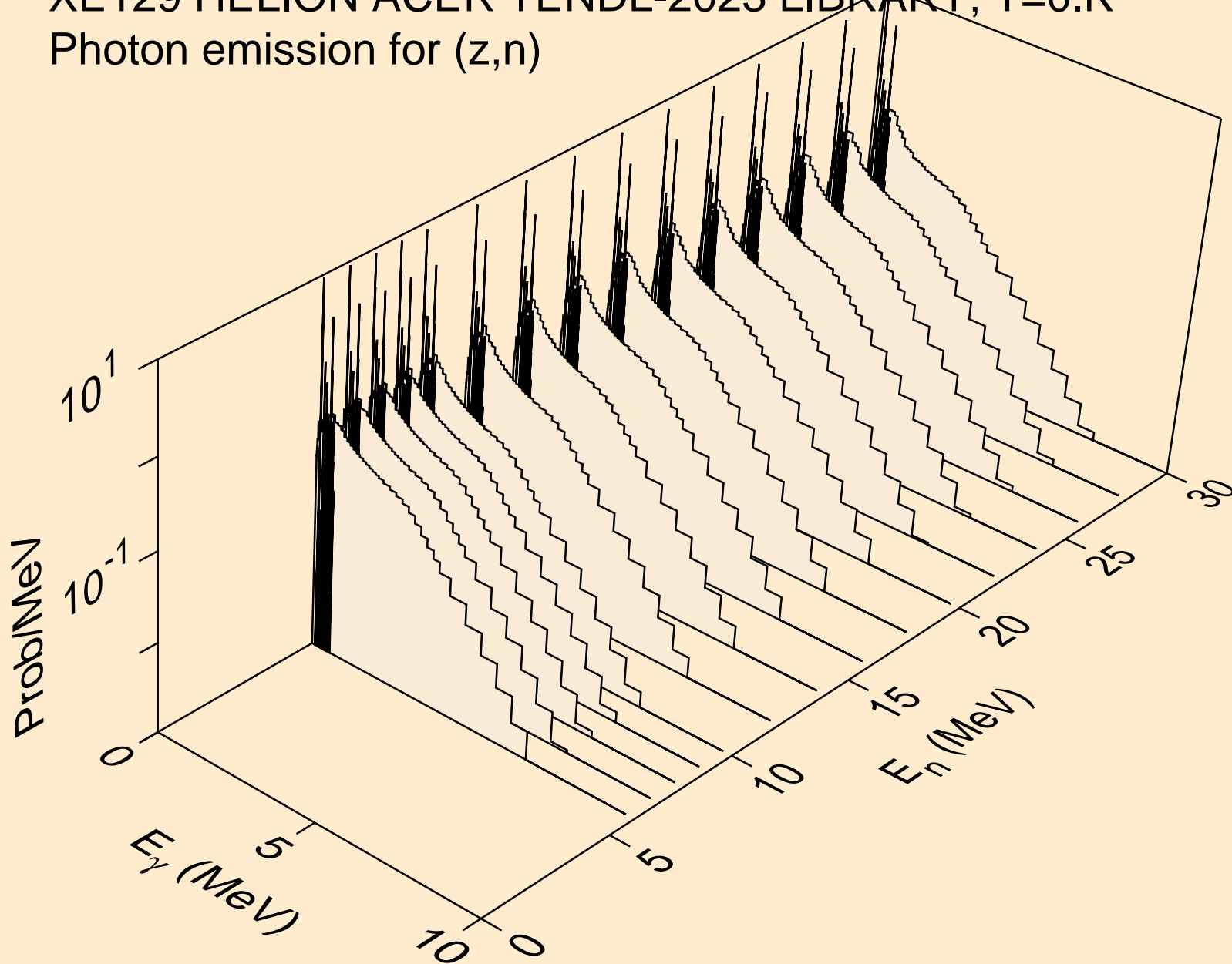




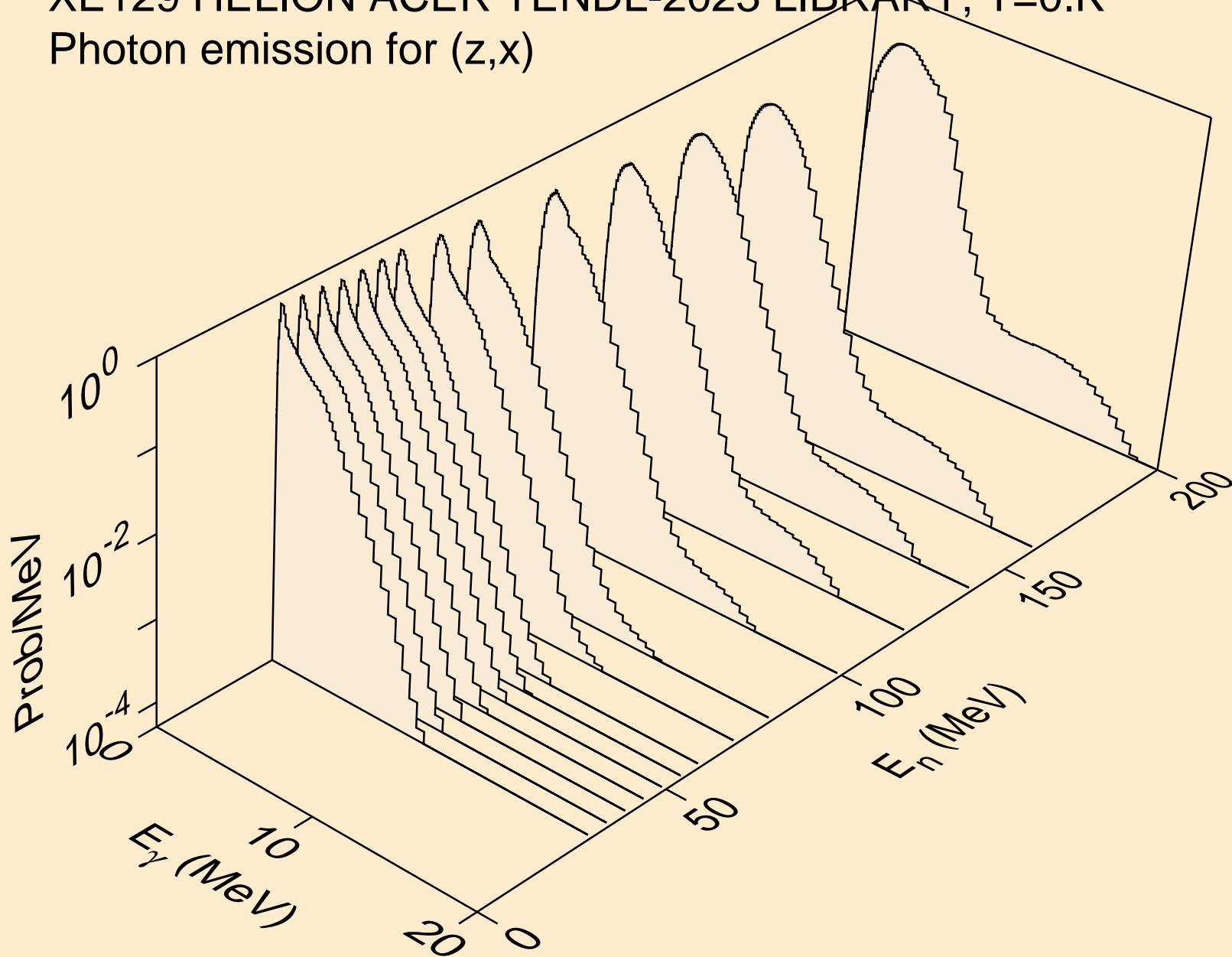
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic



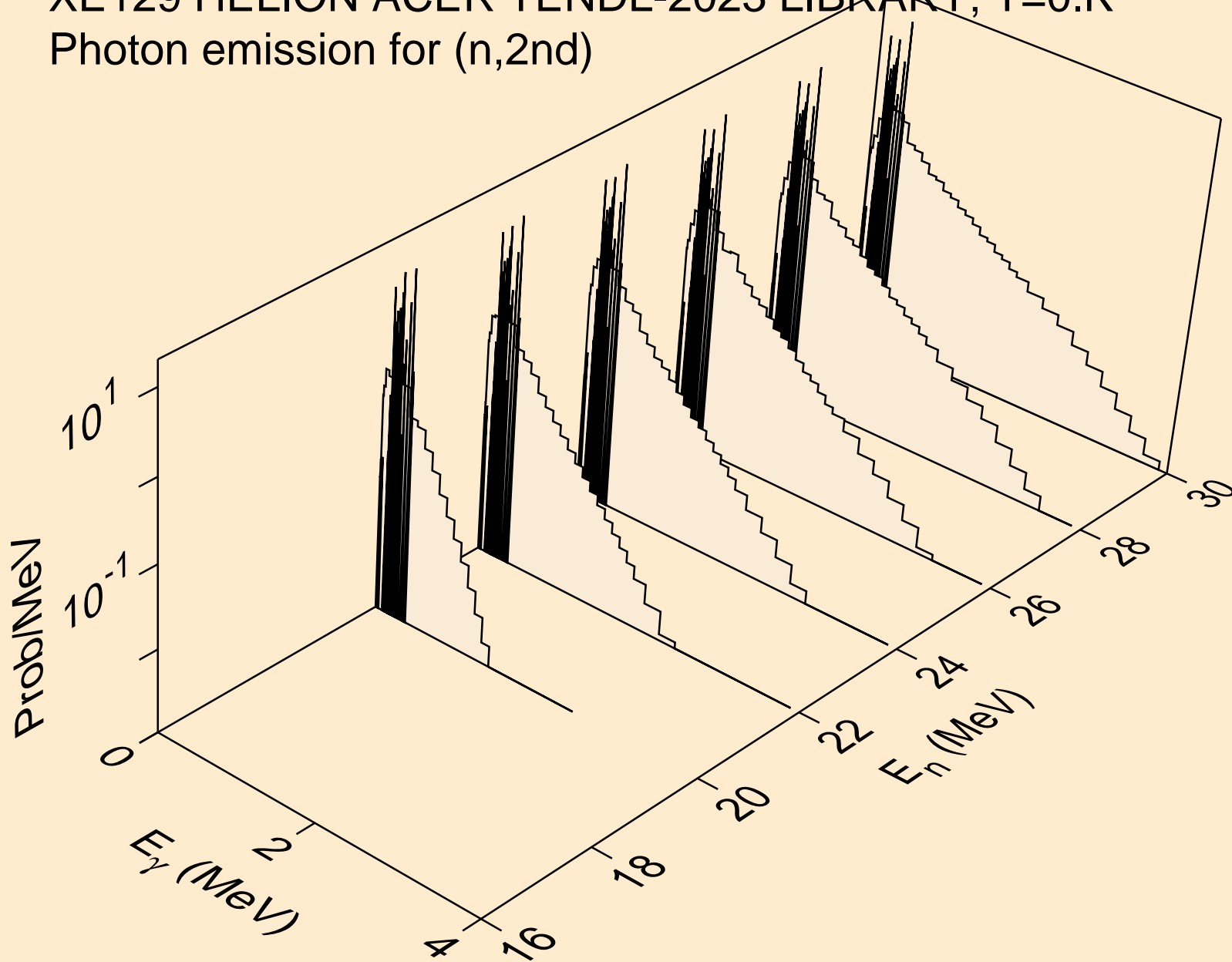
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



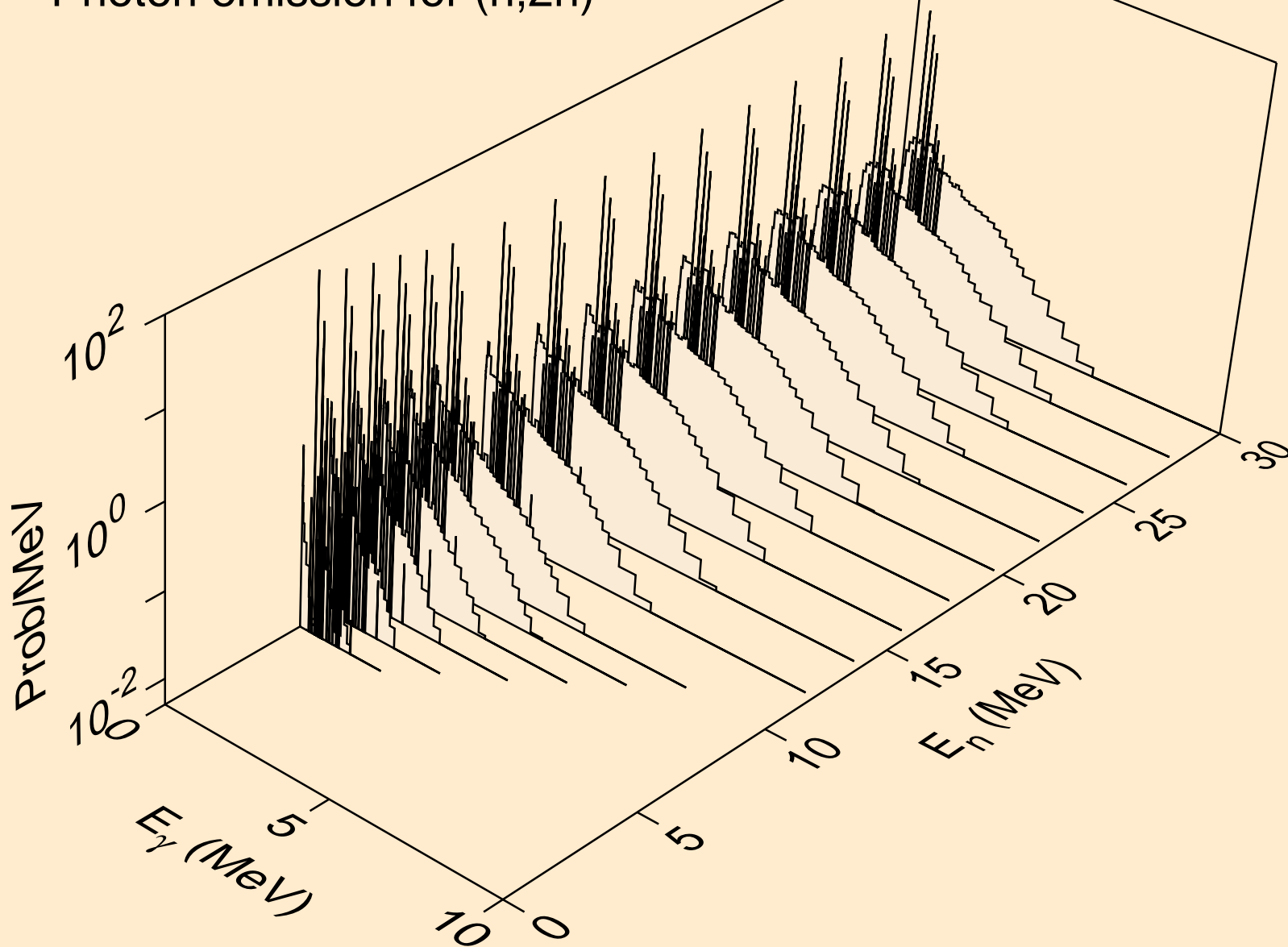
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Photon emission for (z,x)



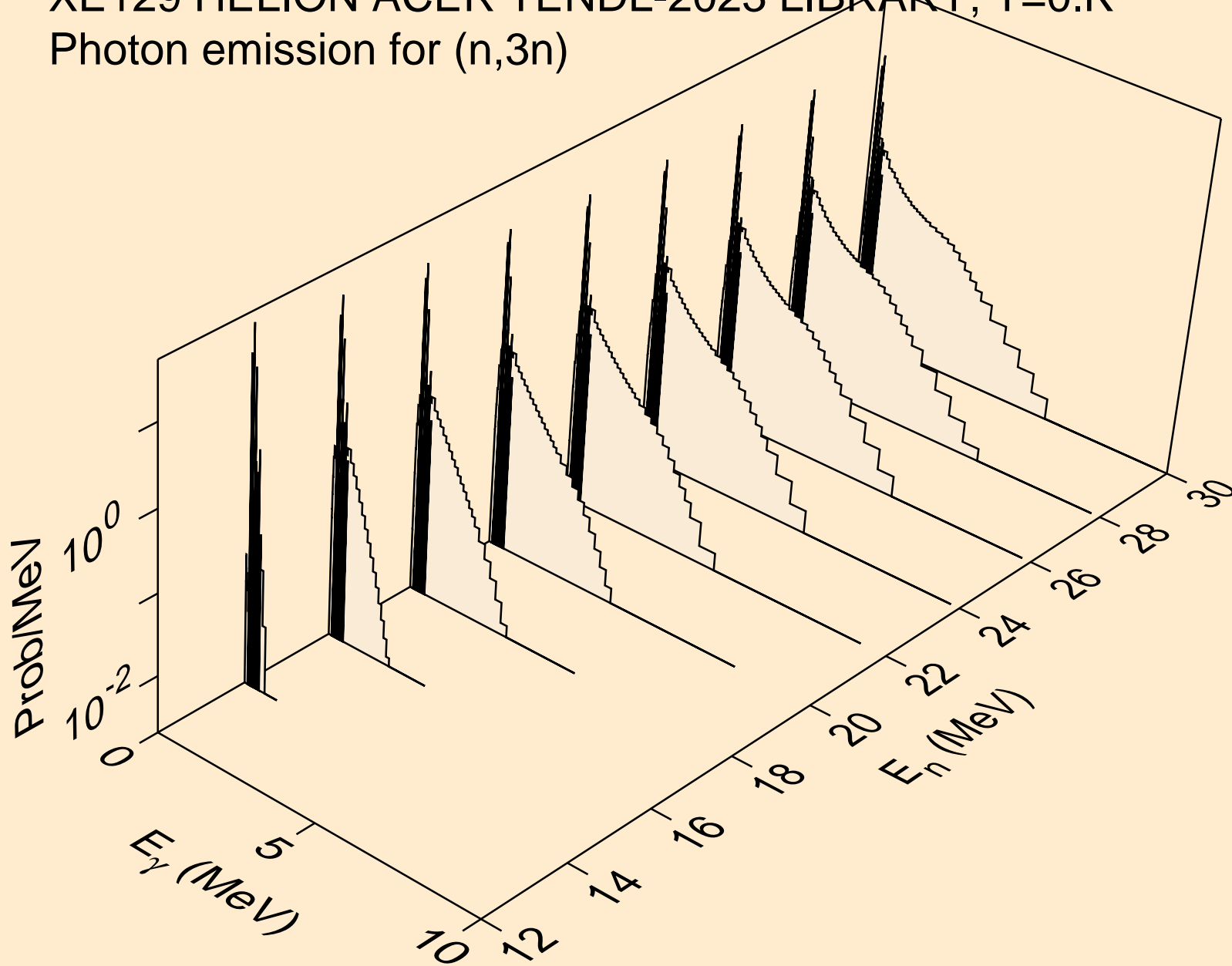
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



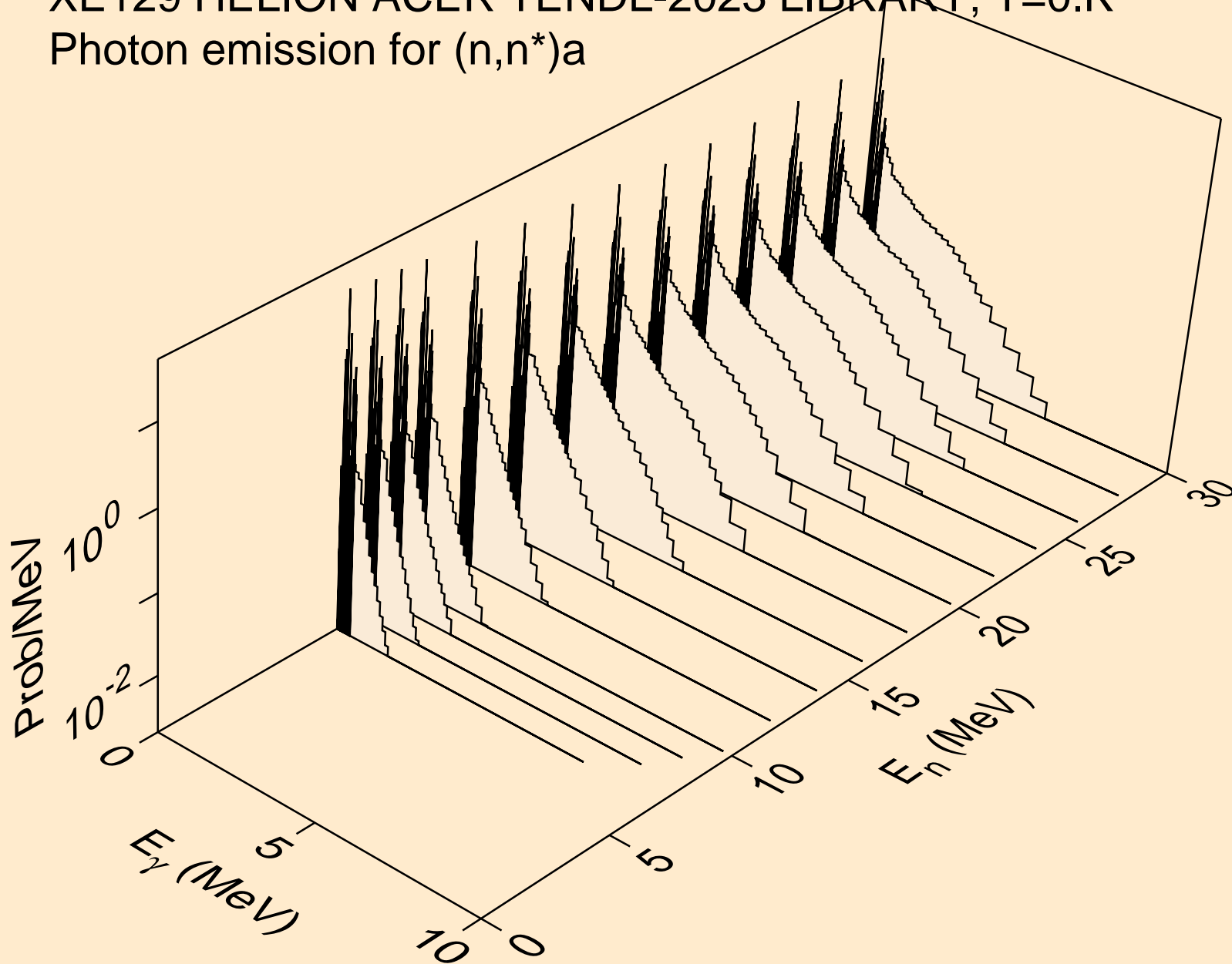
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



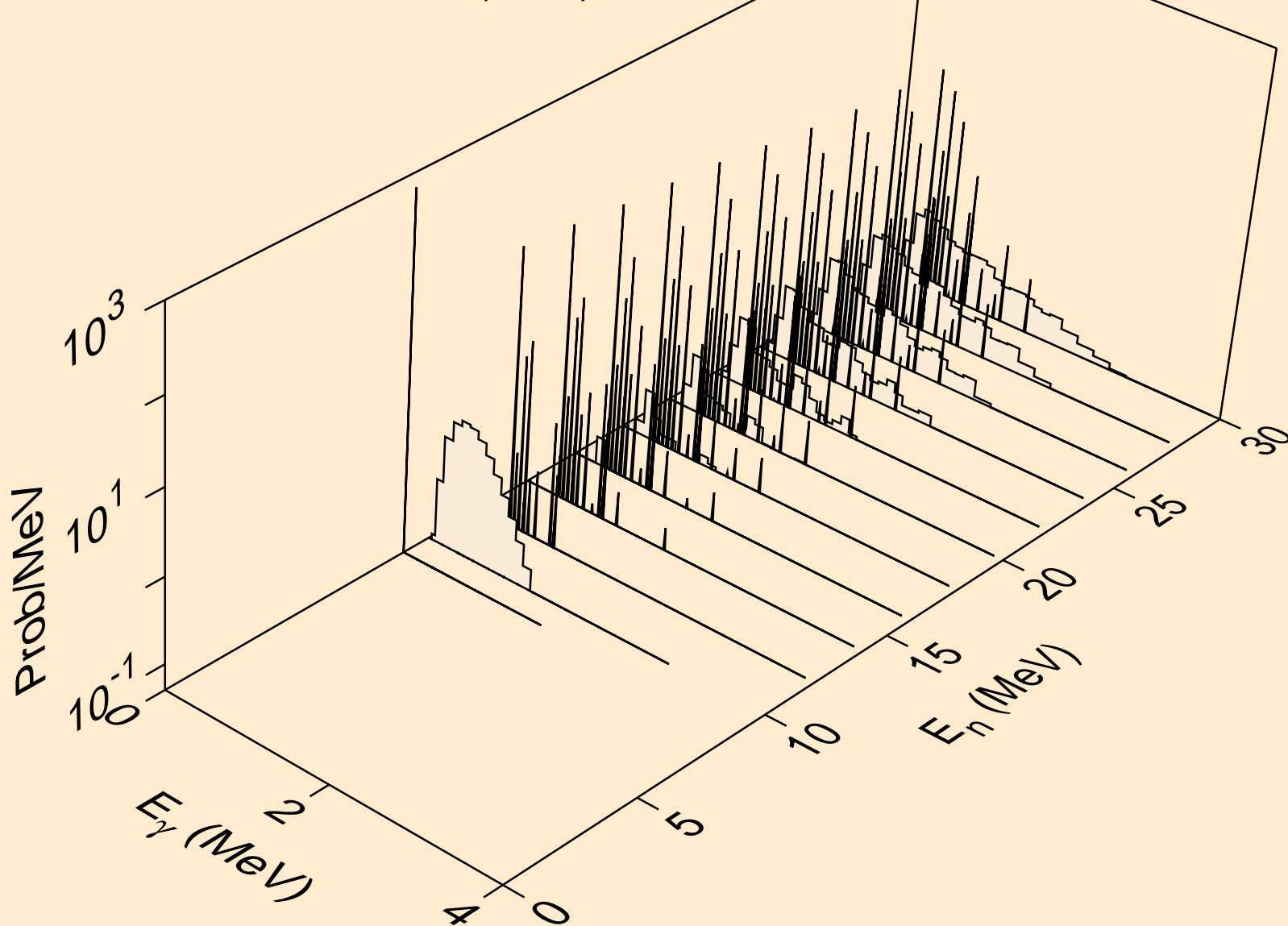
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

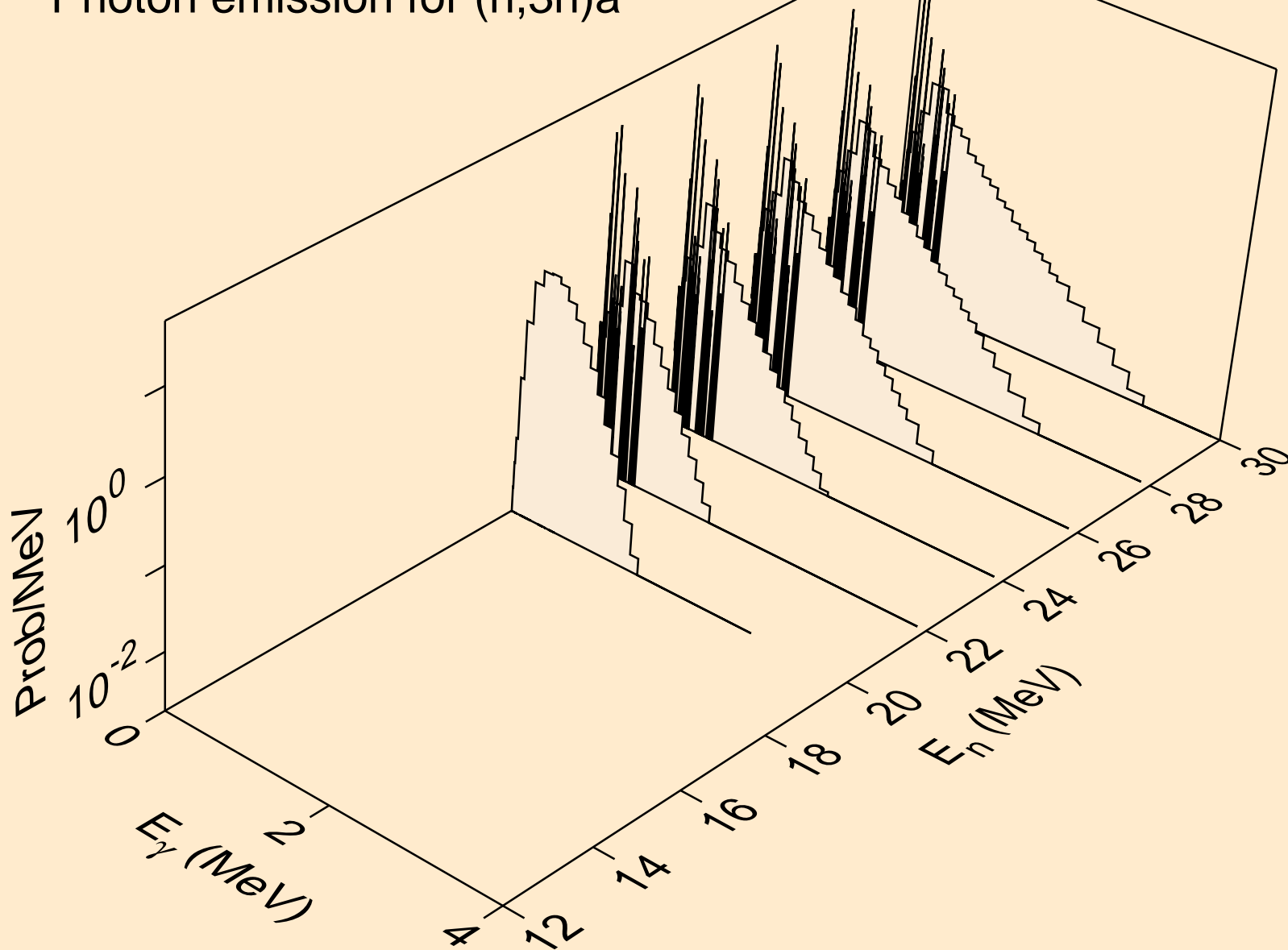


XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n) $\alpha$

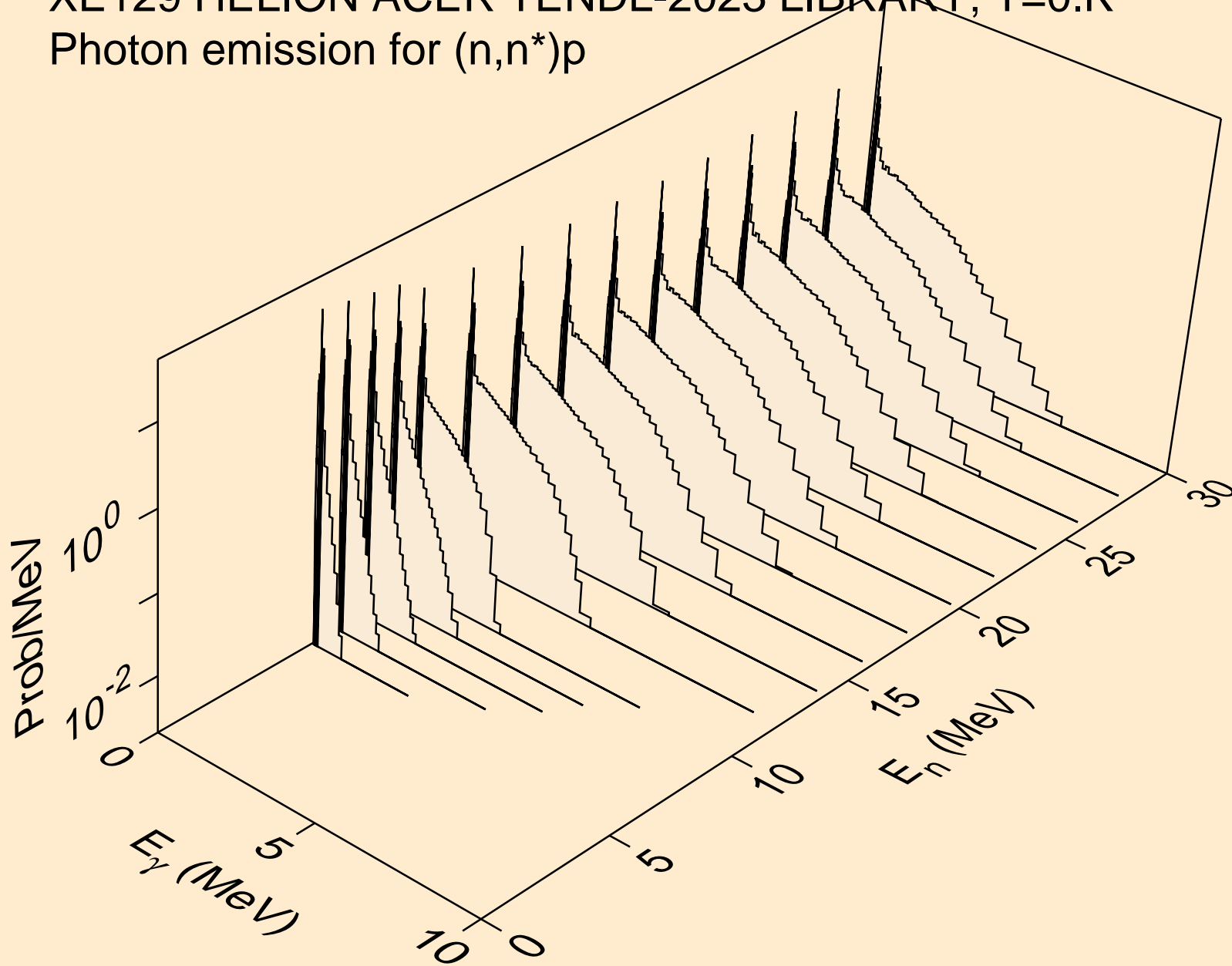




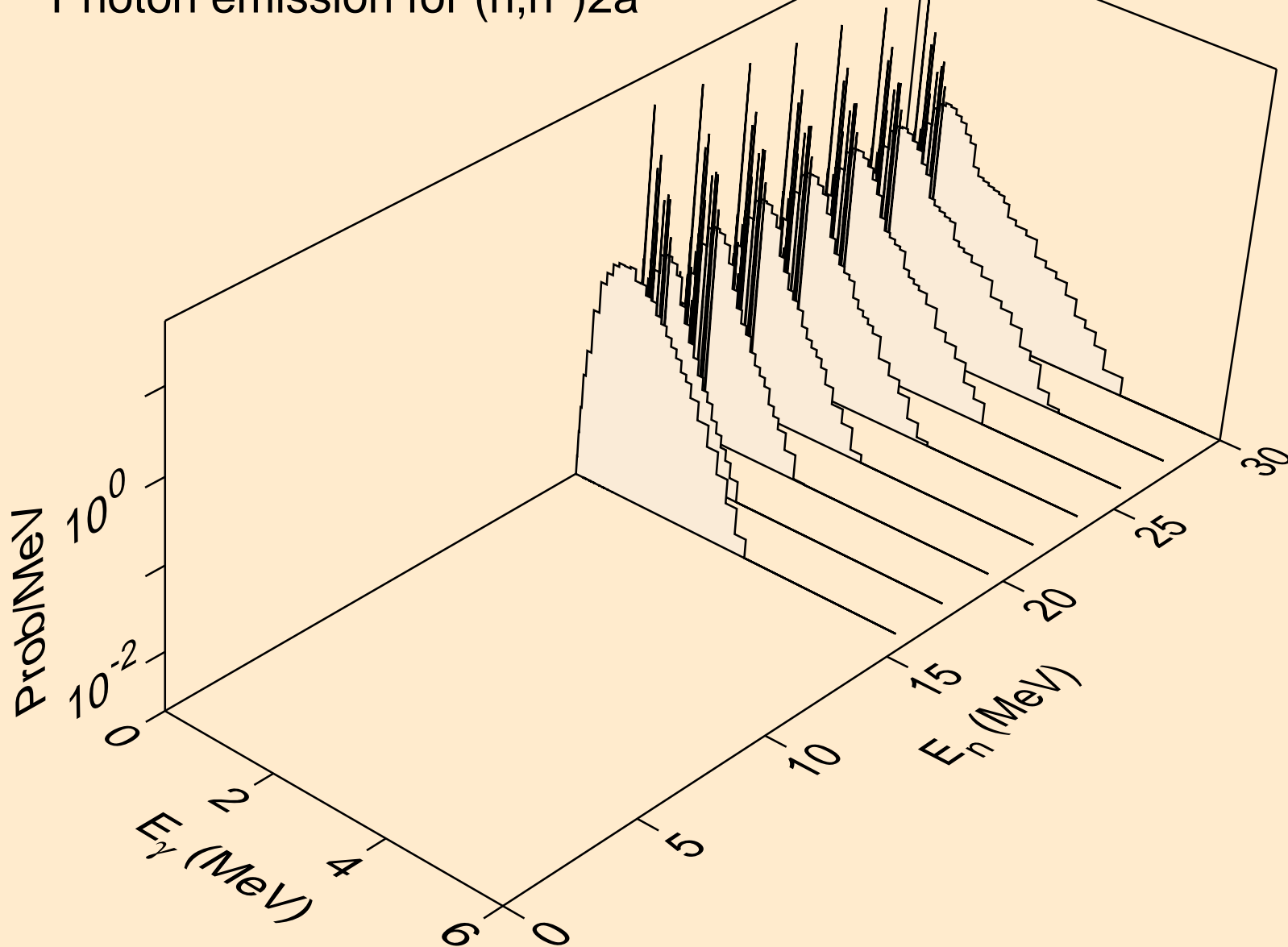
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



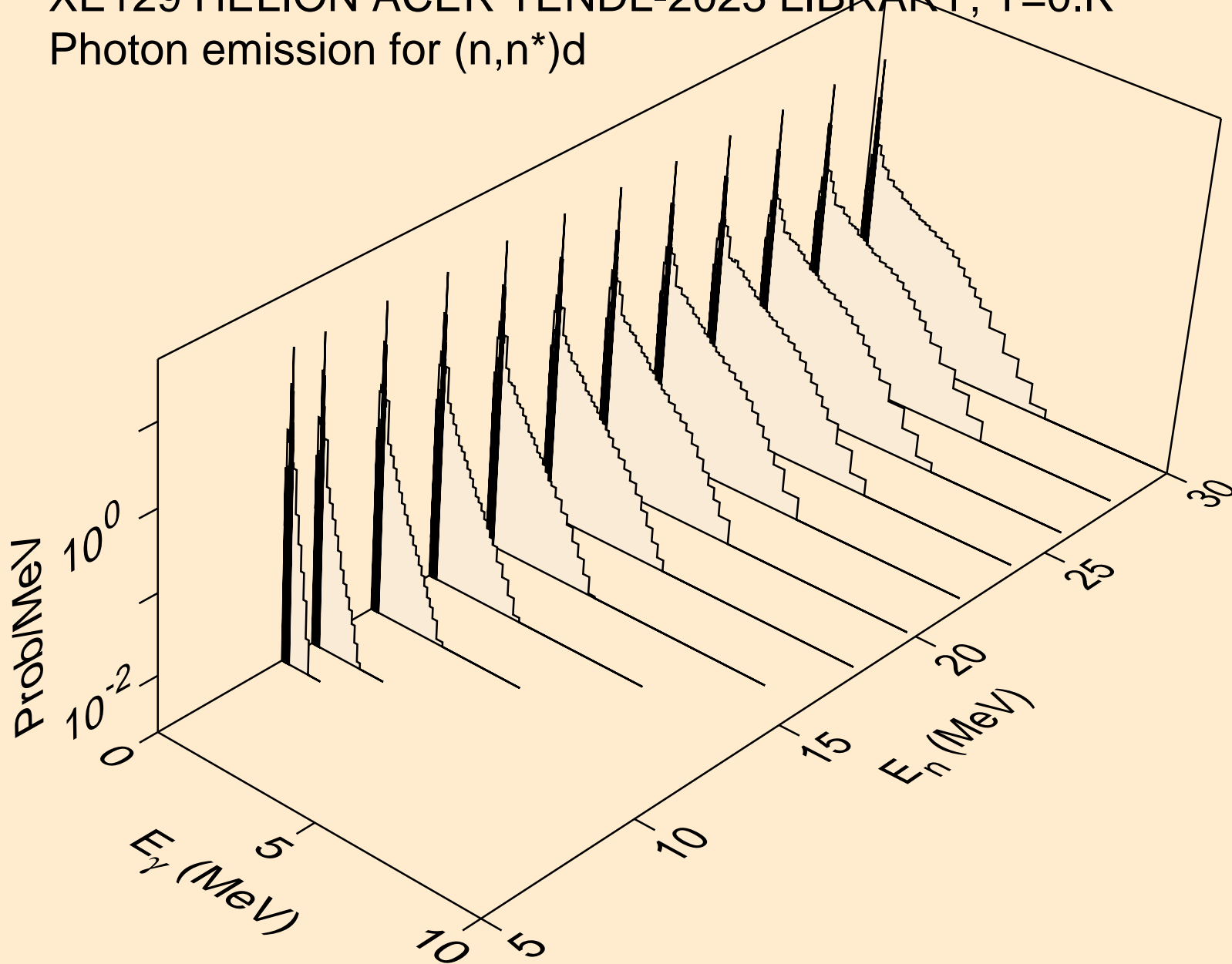
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



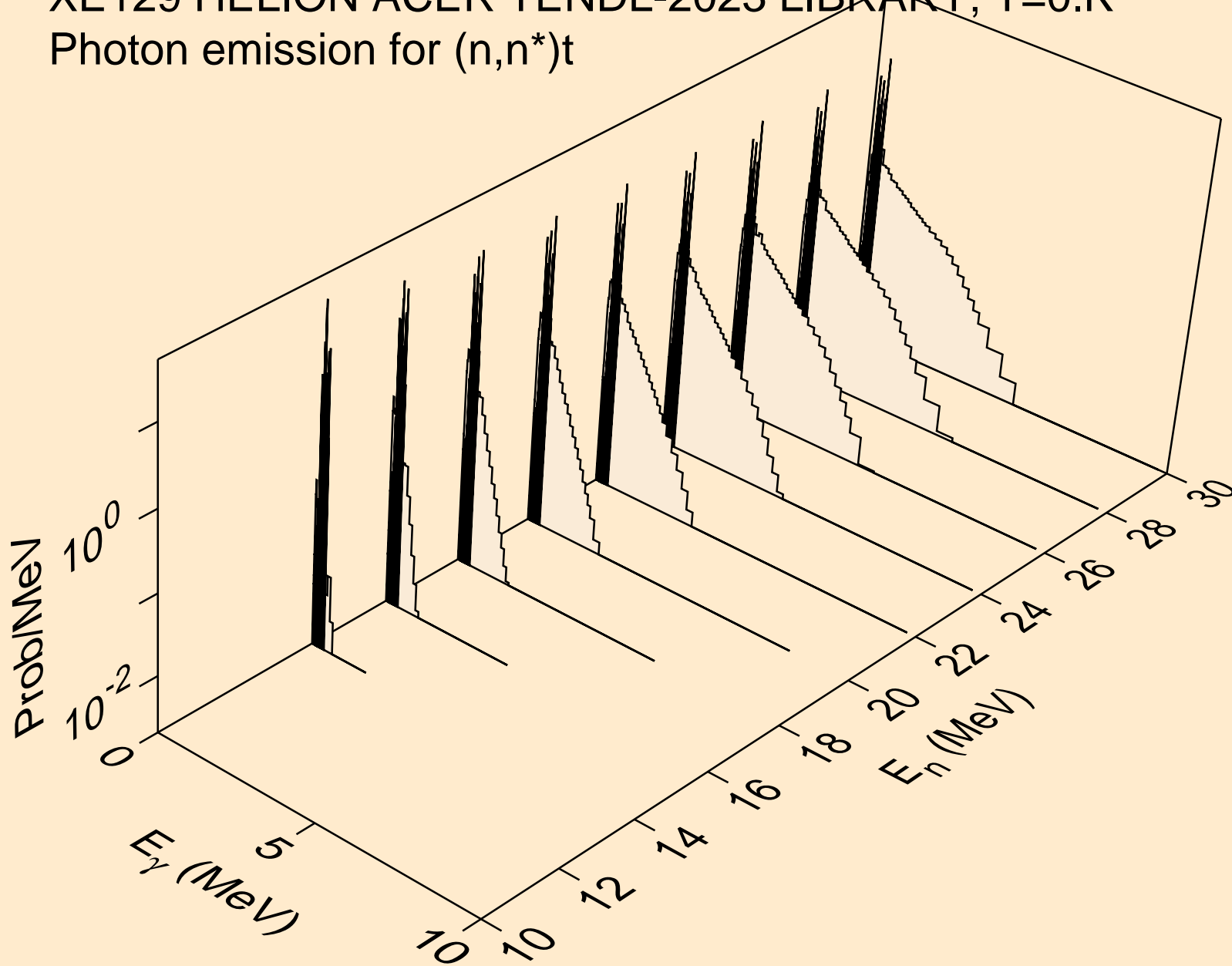
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Photon emission for (n,n\*)2a



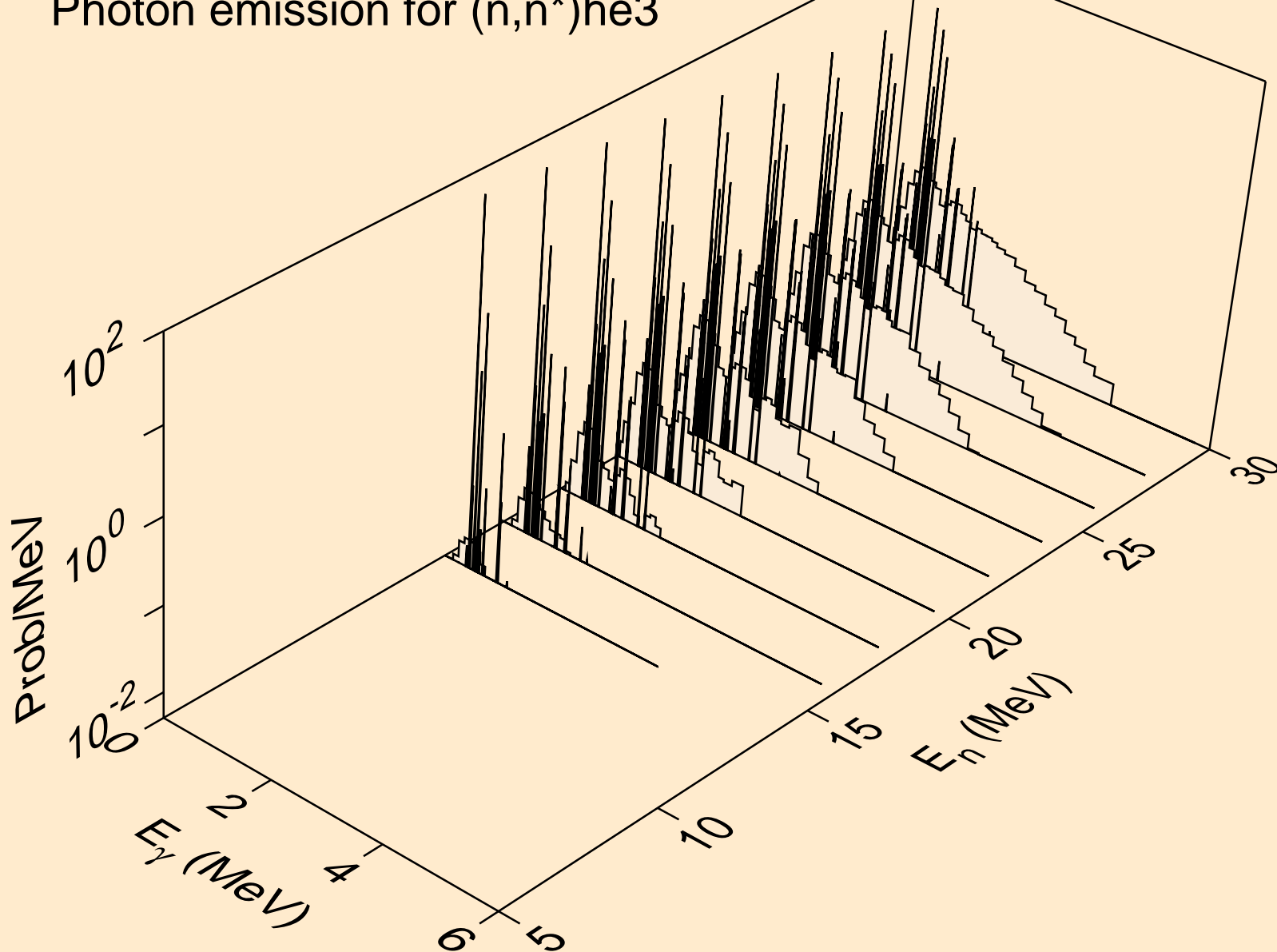
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



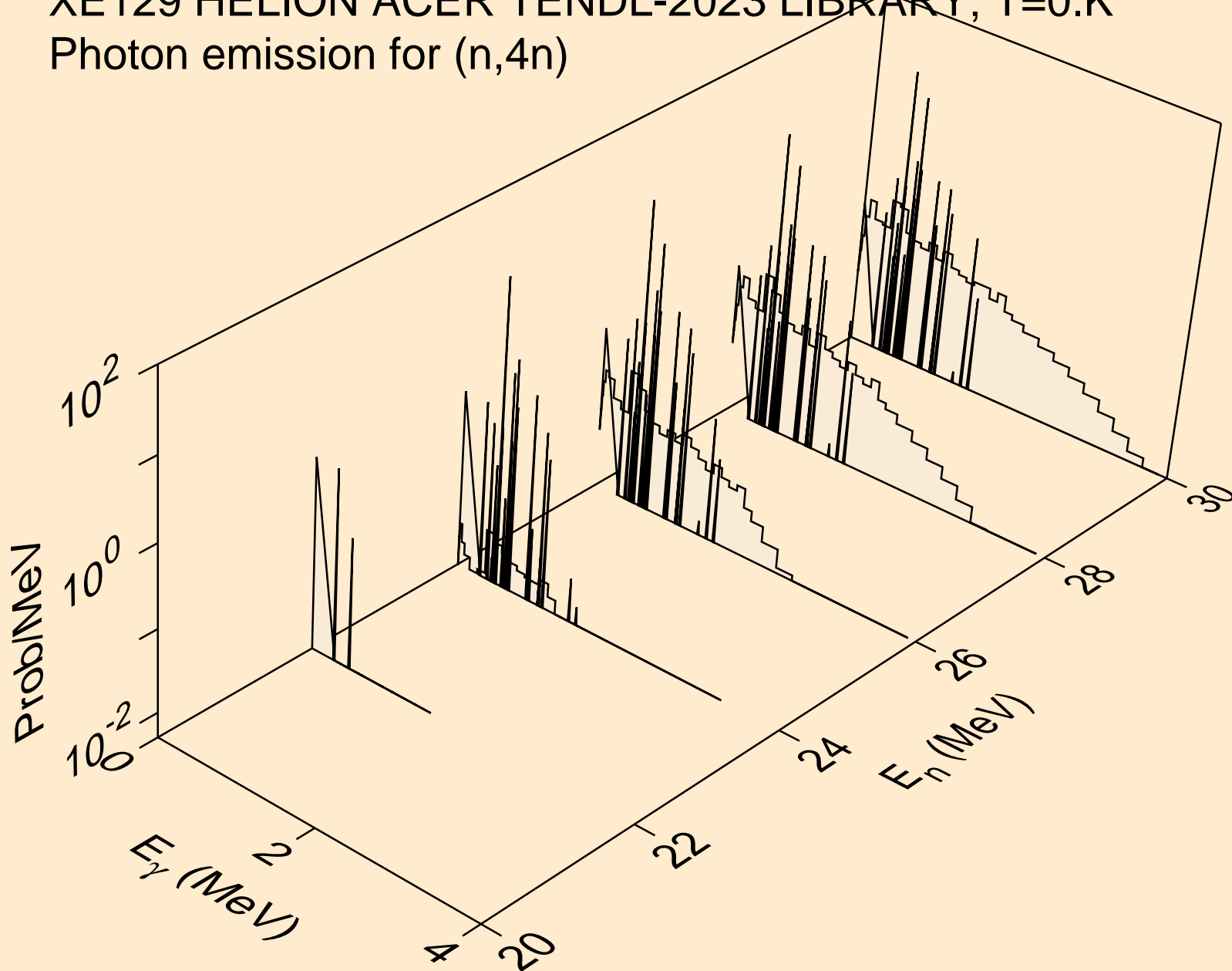
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Photon emission for (n,n\*)t



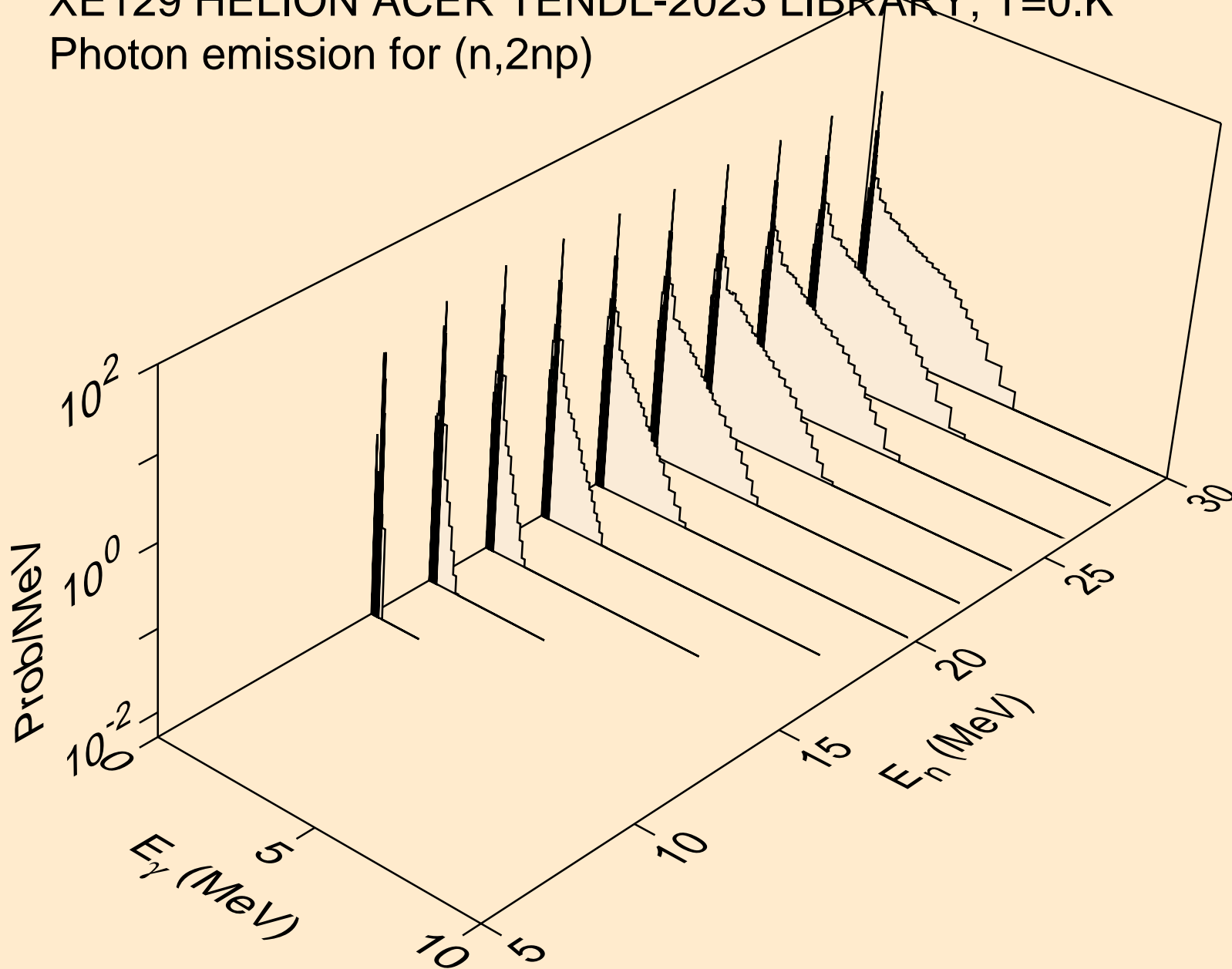
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)

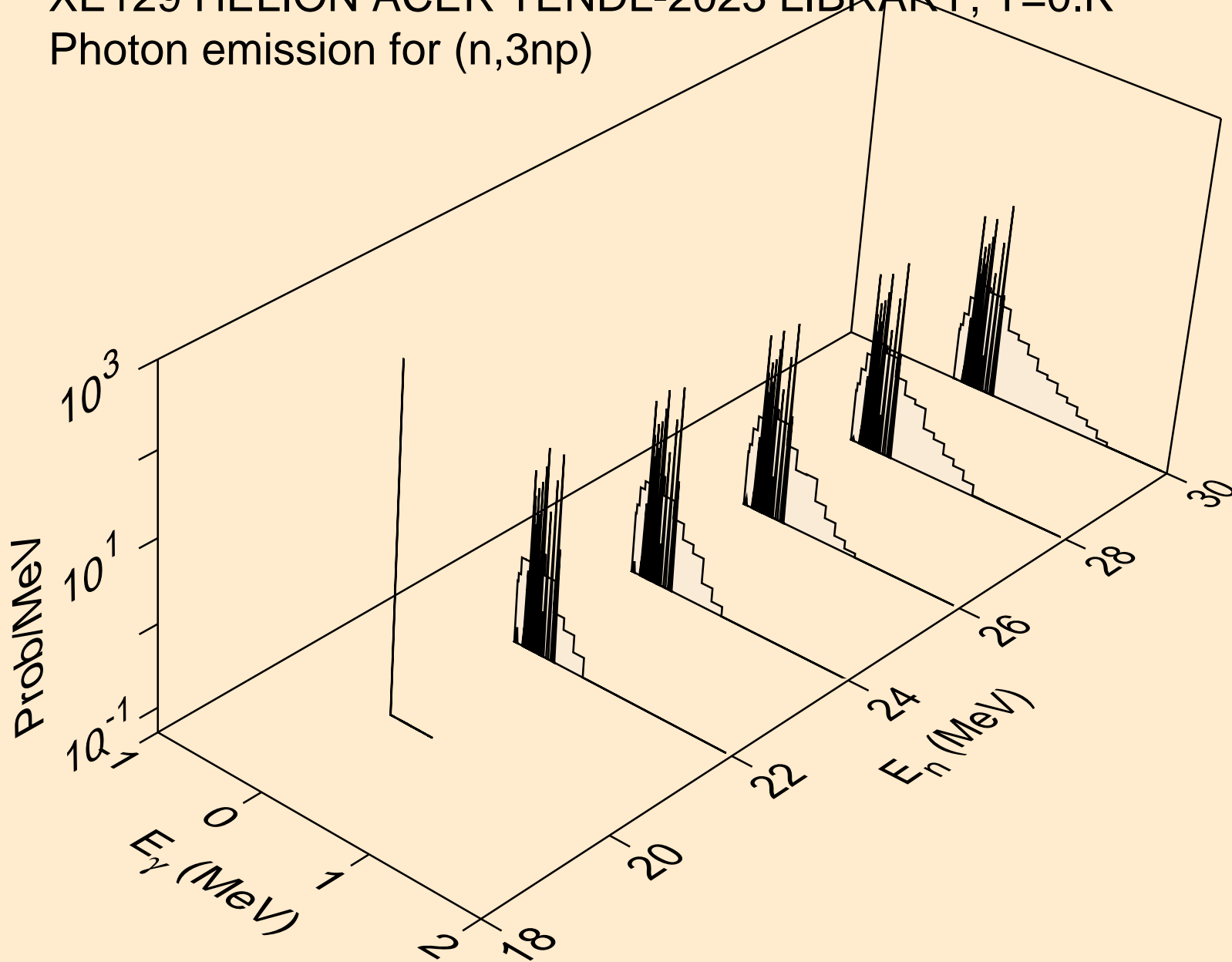


XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

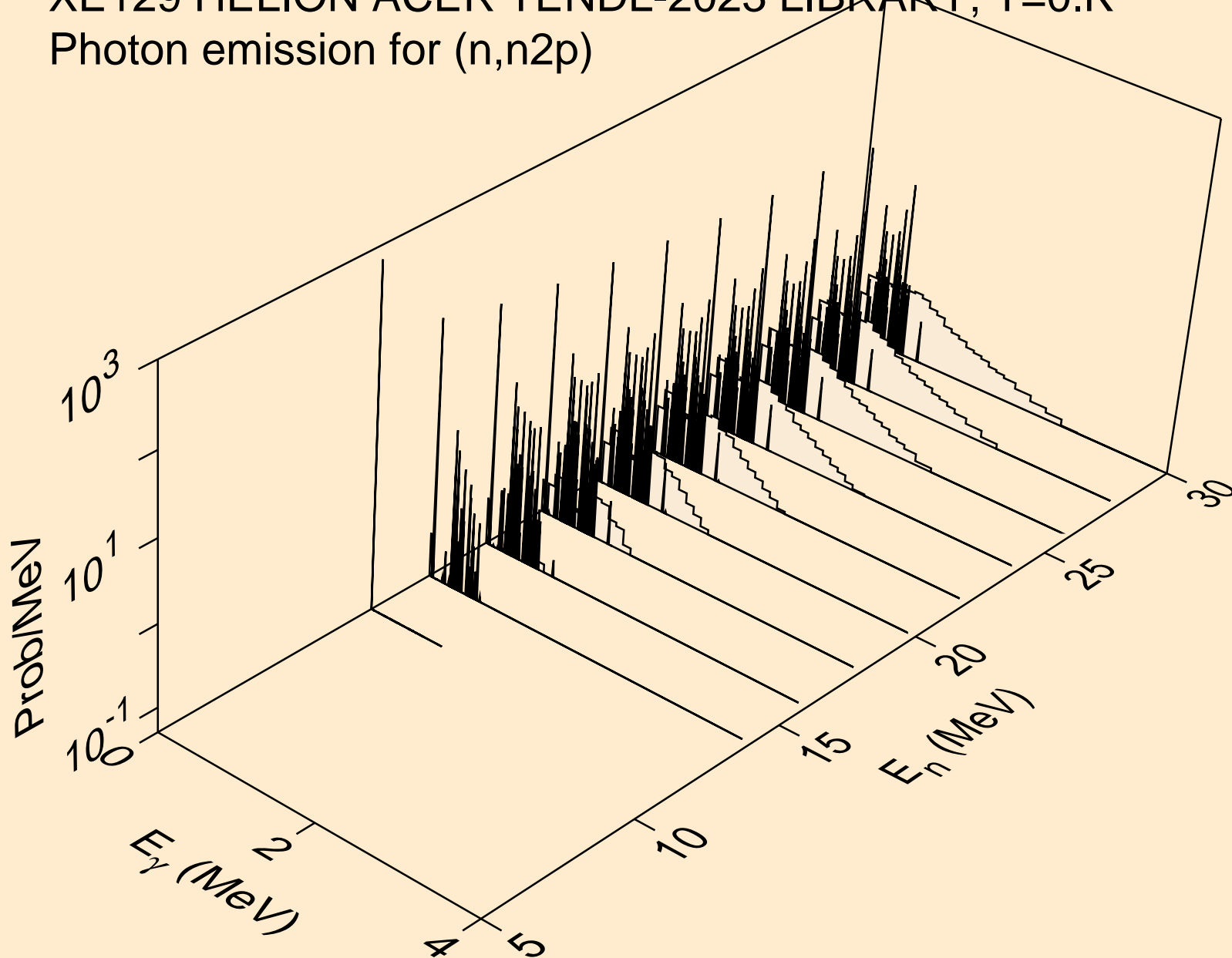




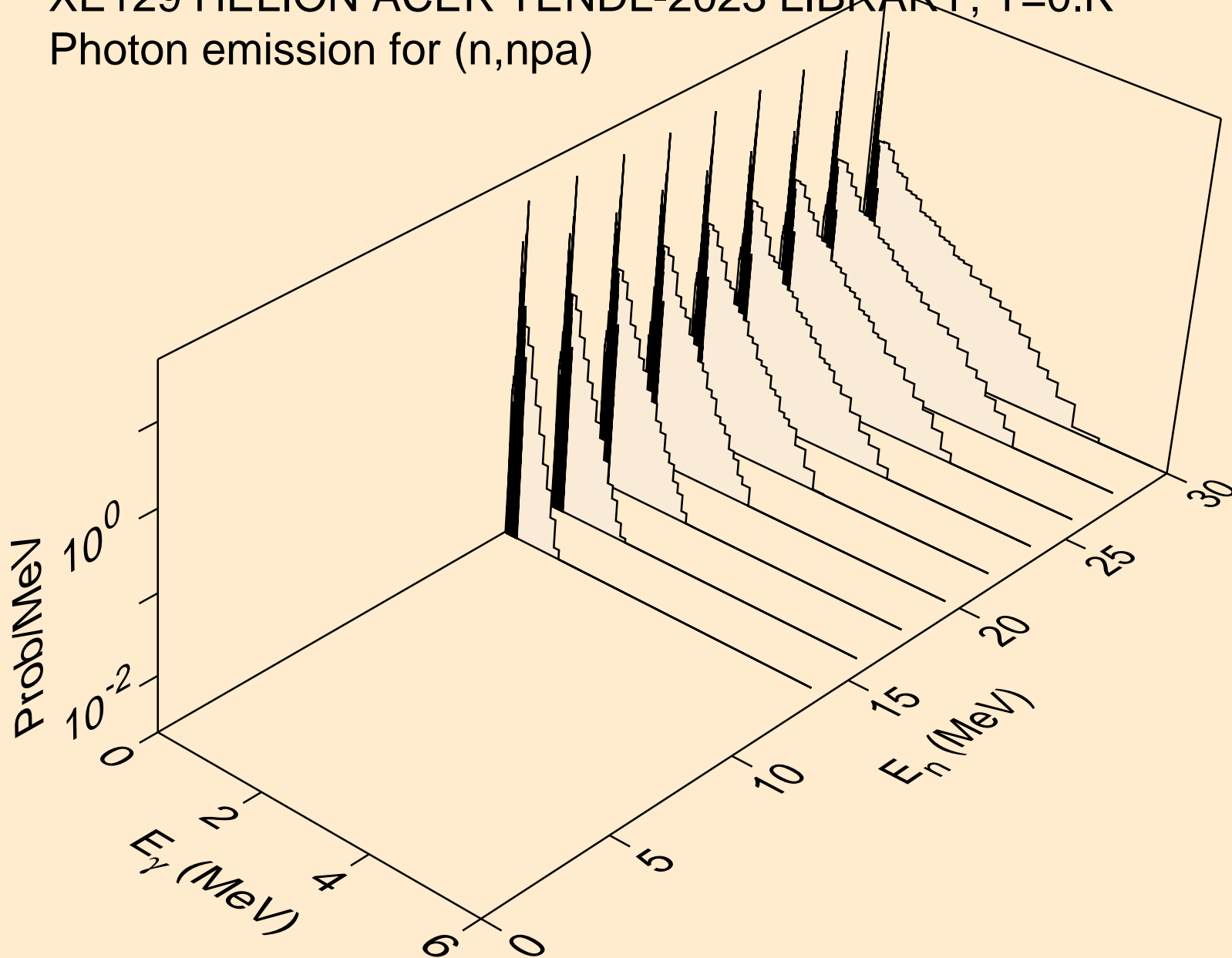
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Photon emission for (n,3np)



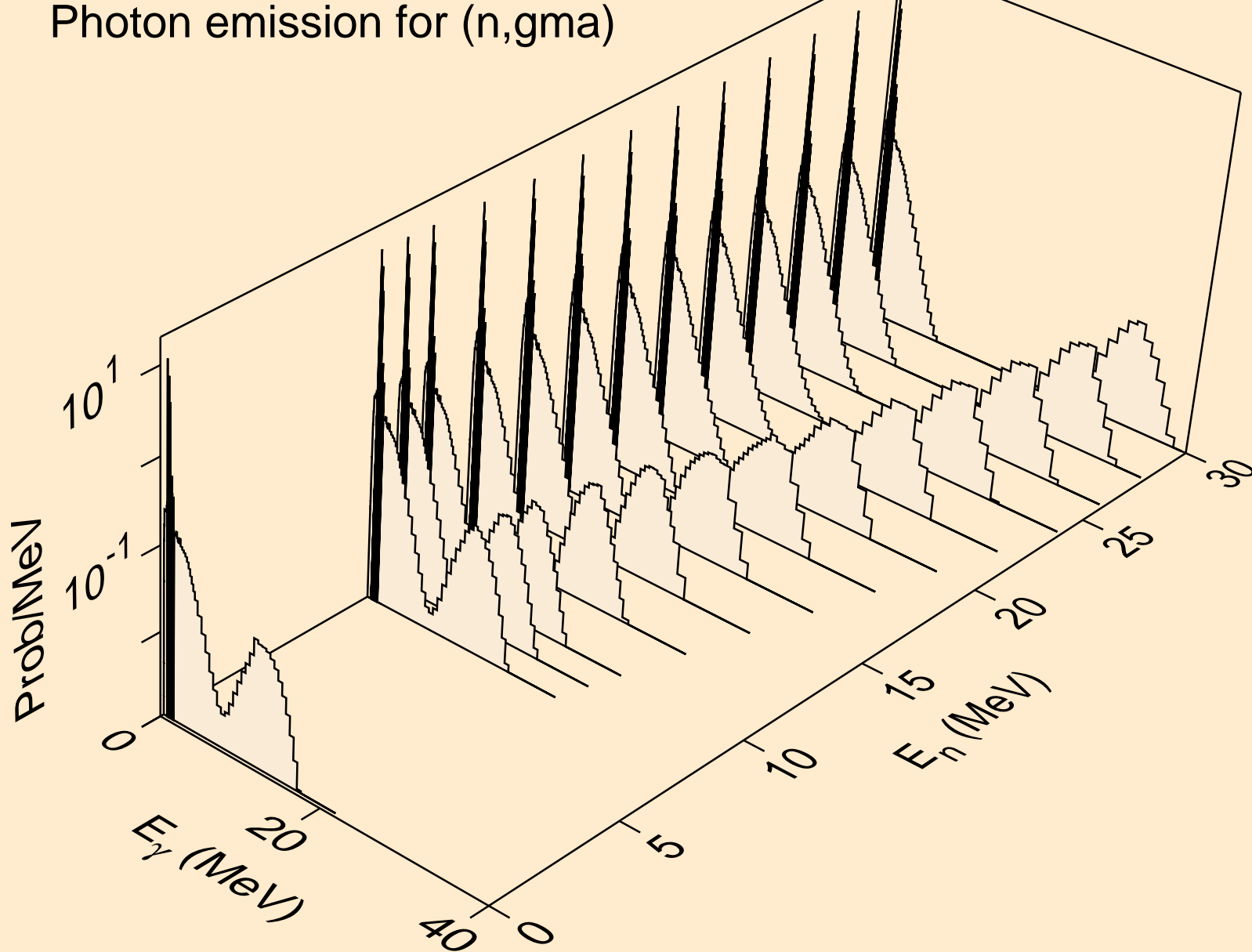
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Photon emission for (n,n2p)



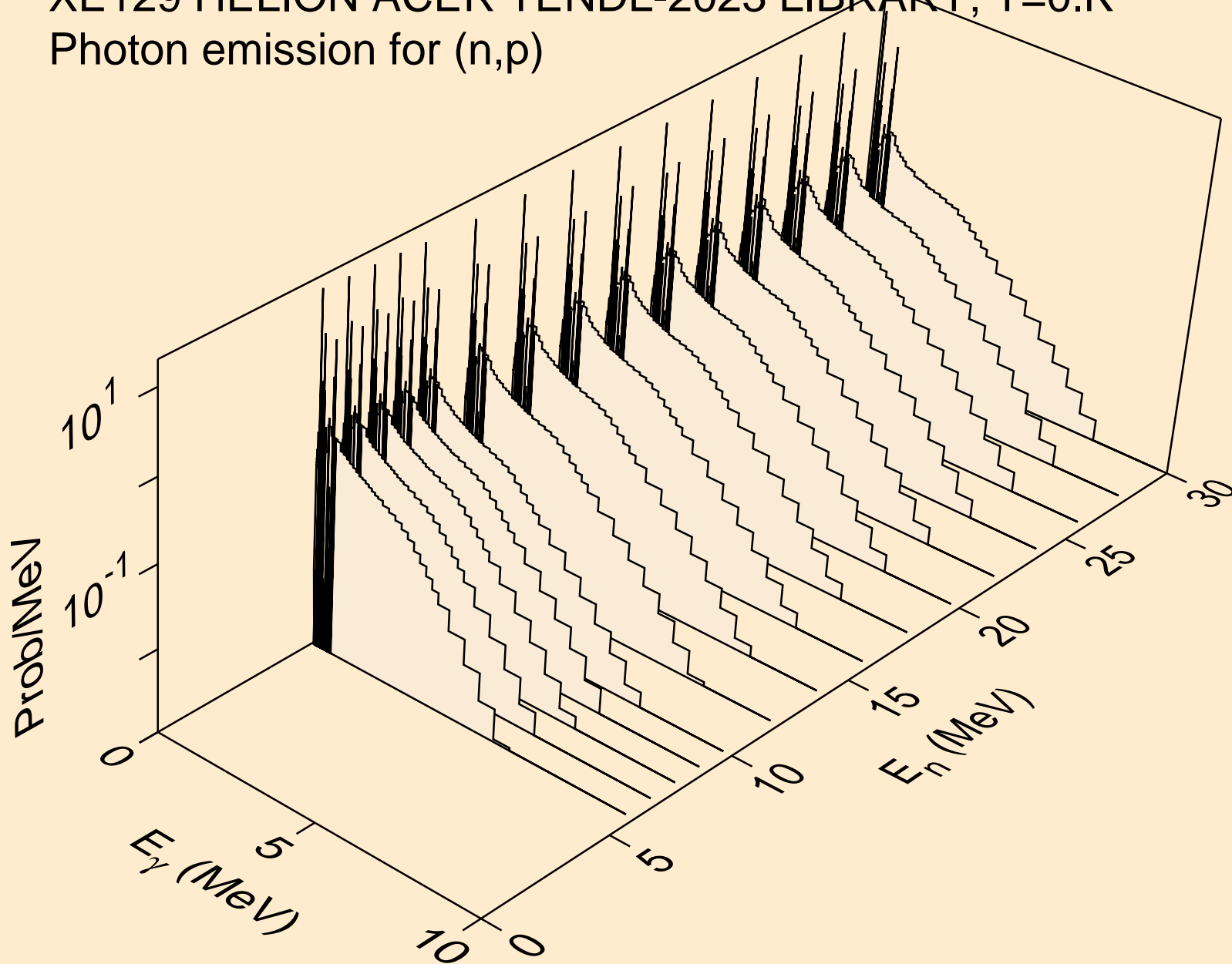
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Photon emission for (n,npa)



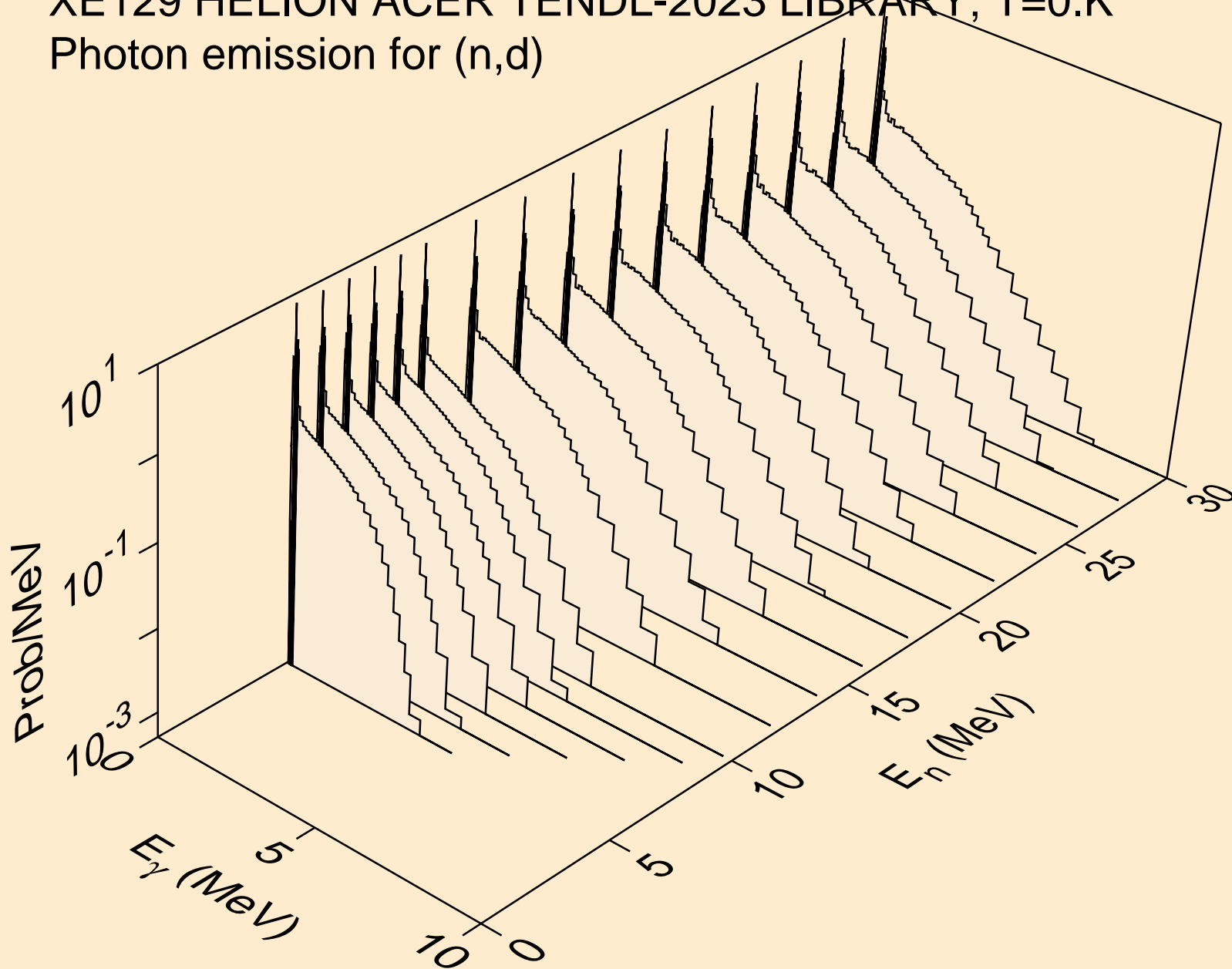
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Photon emission for (n,gma)



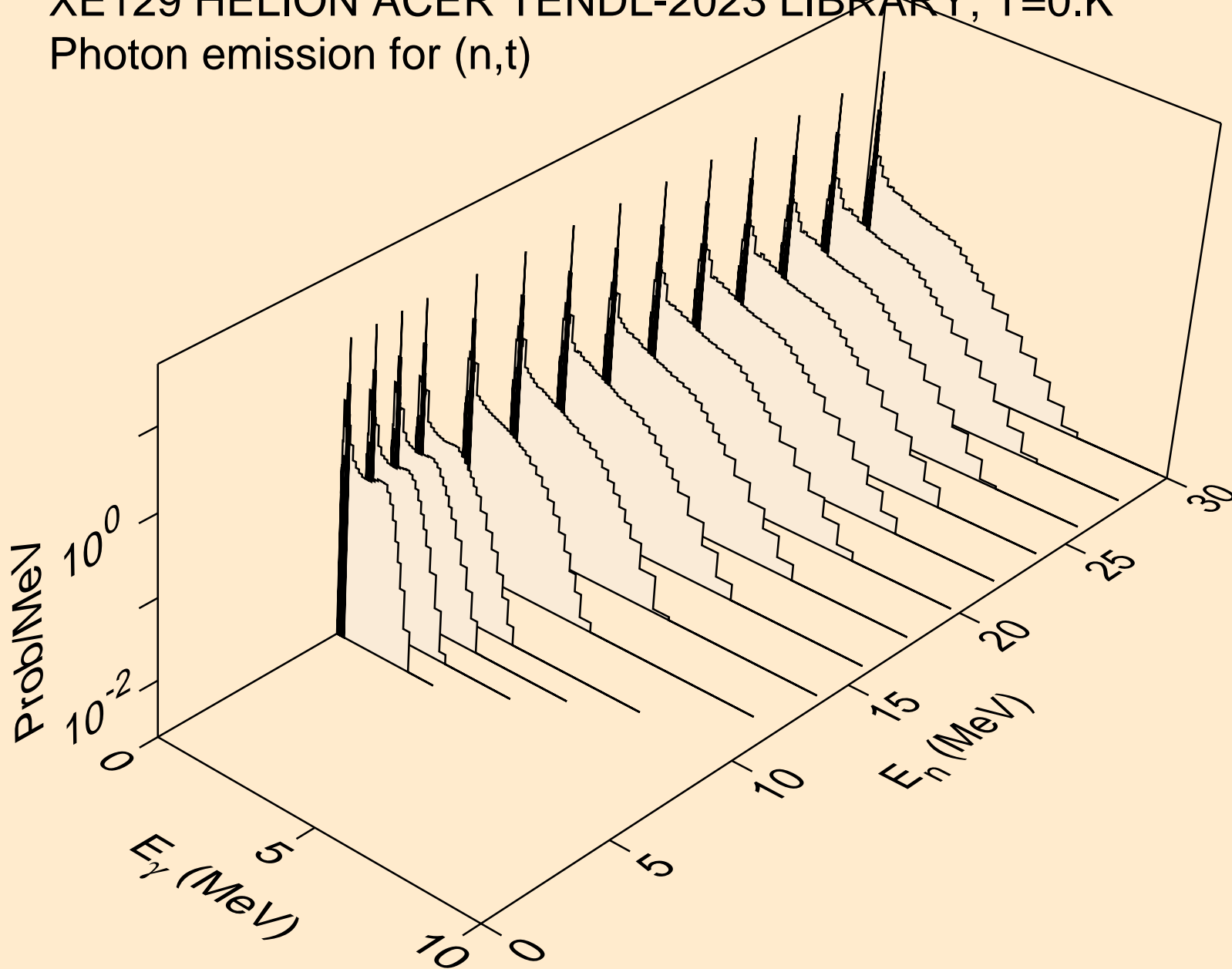
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Photon emission for (n,p)



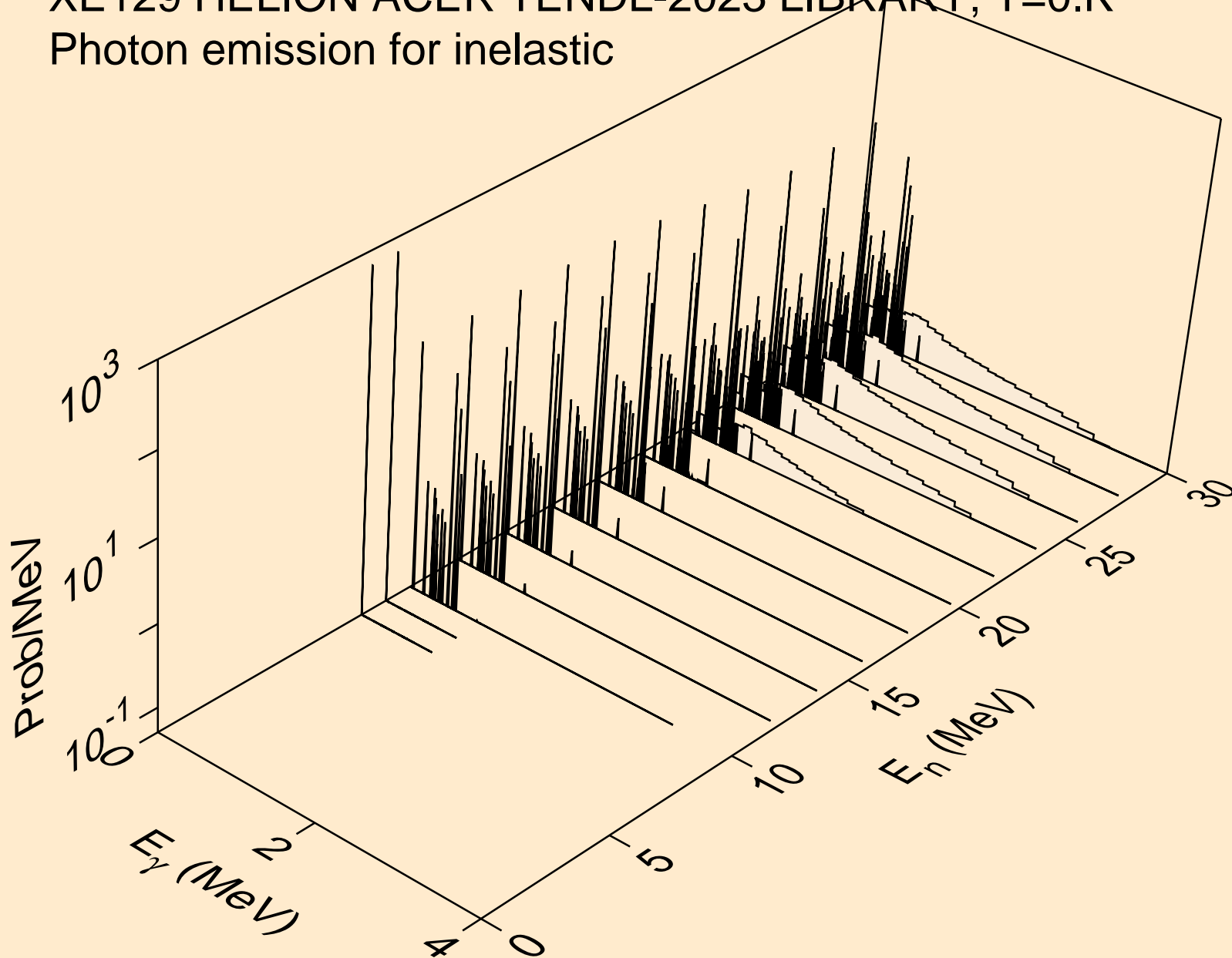
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

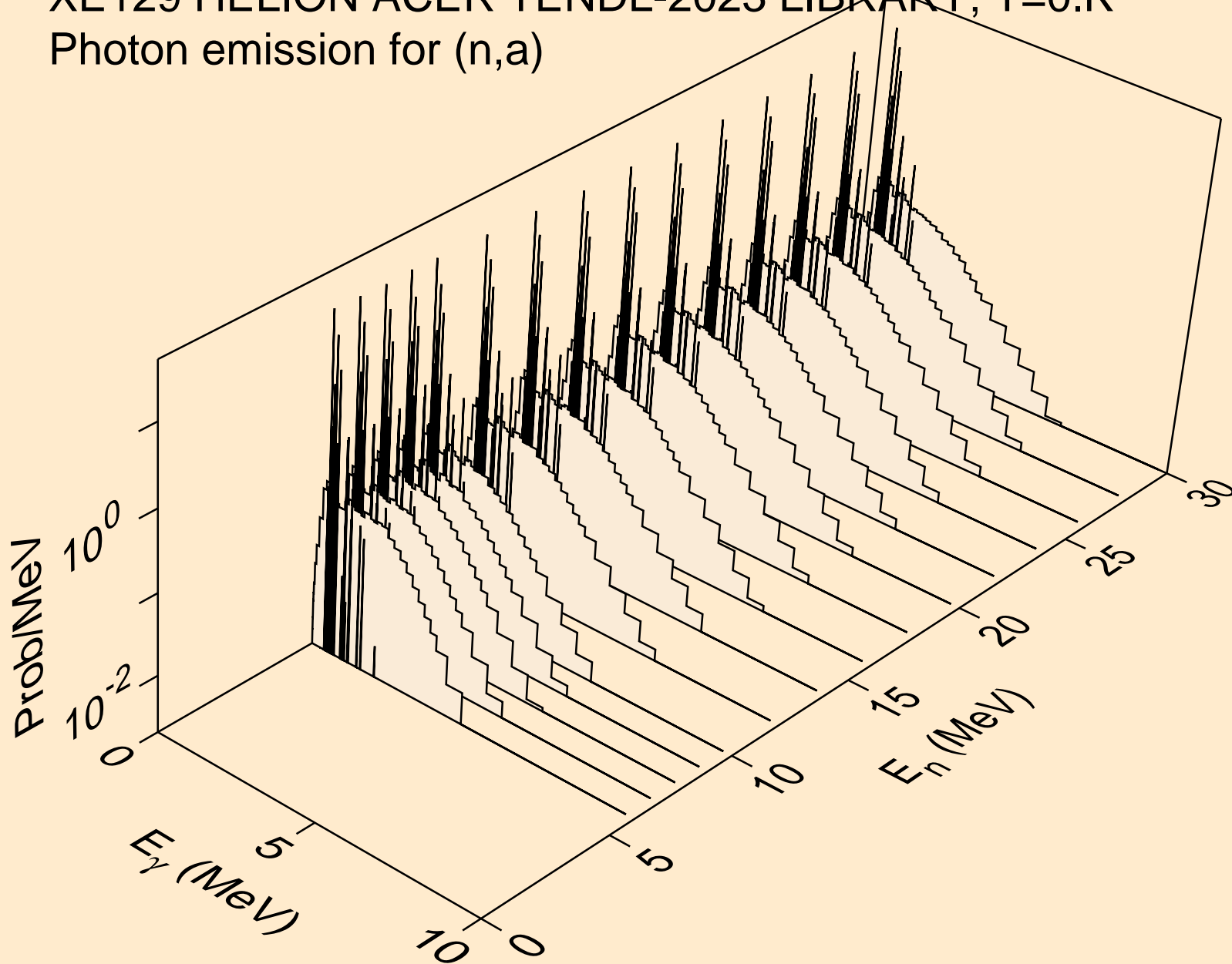


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Photon emission for inelastic

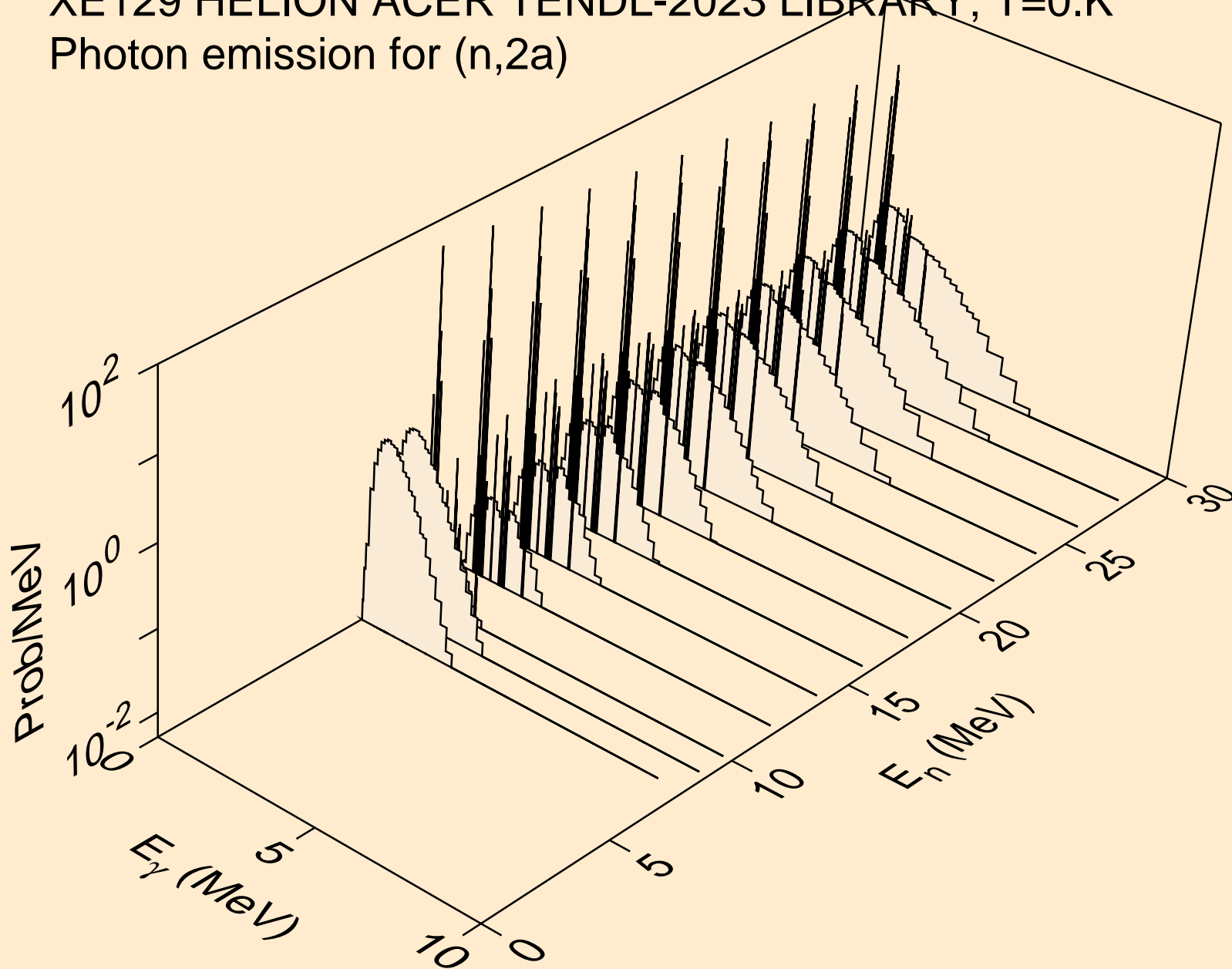




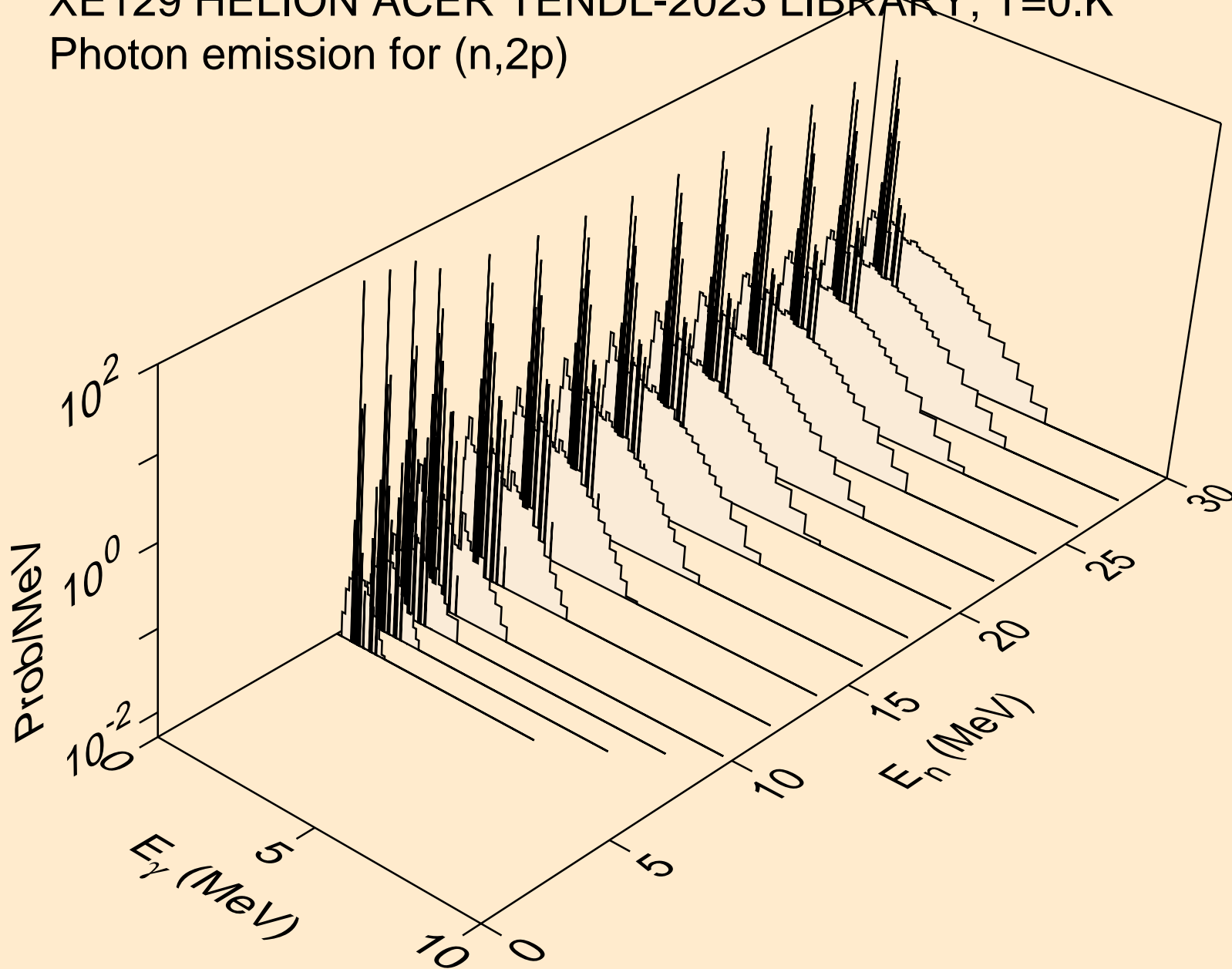
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Photon emission for (n,a)



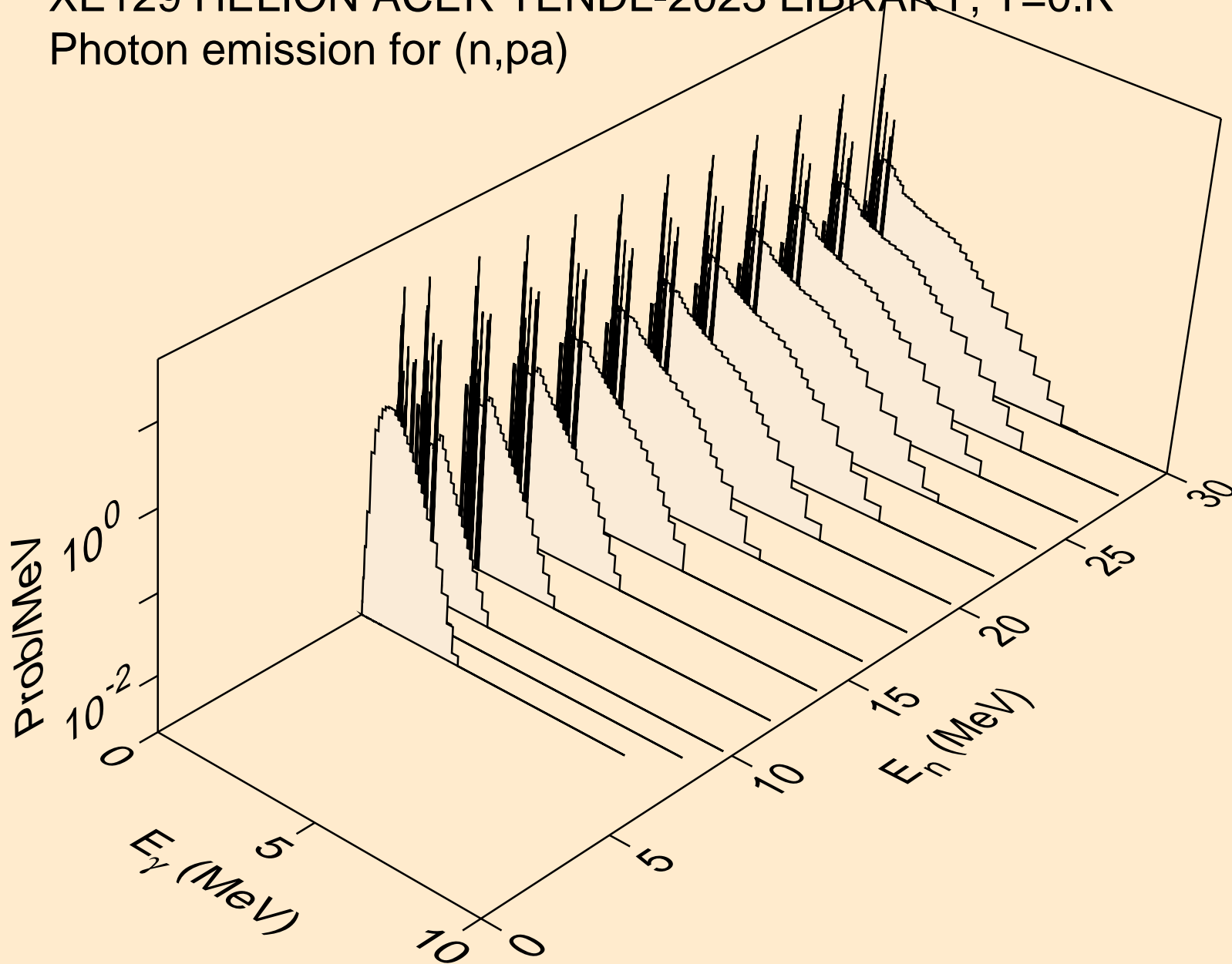
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Photon emission for (n,2a)



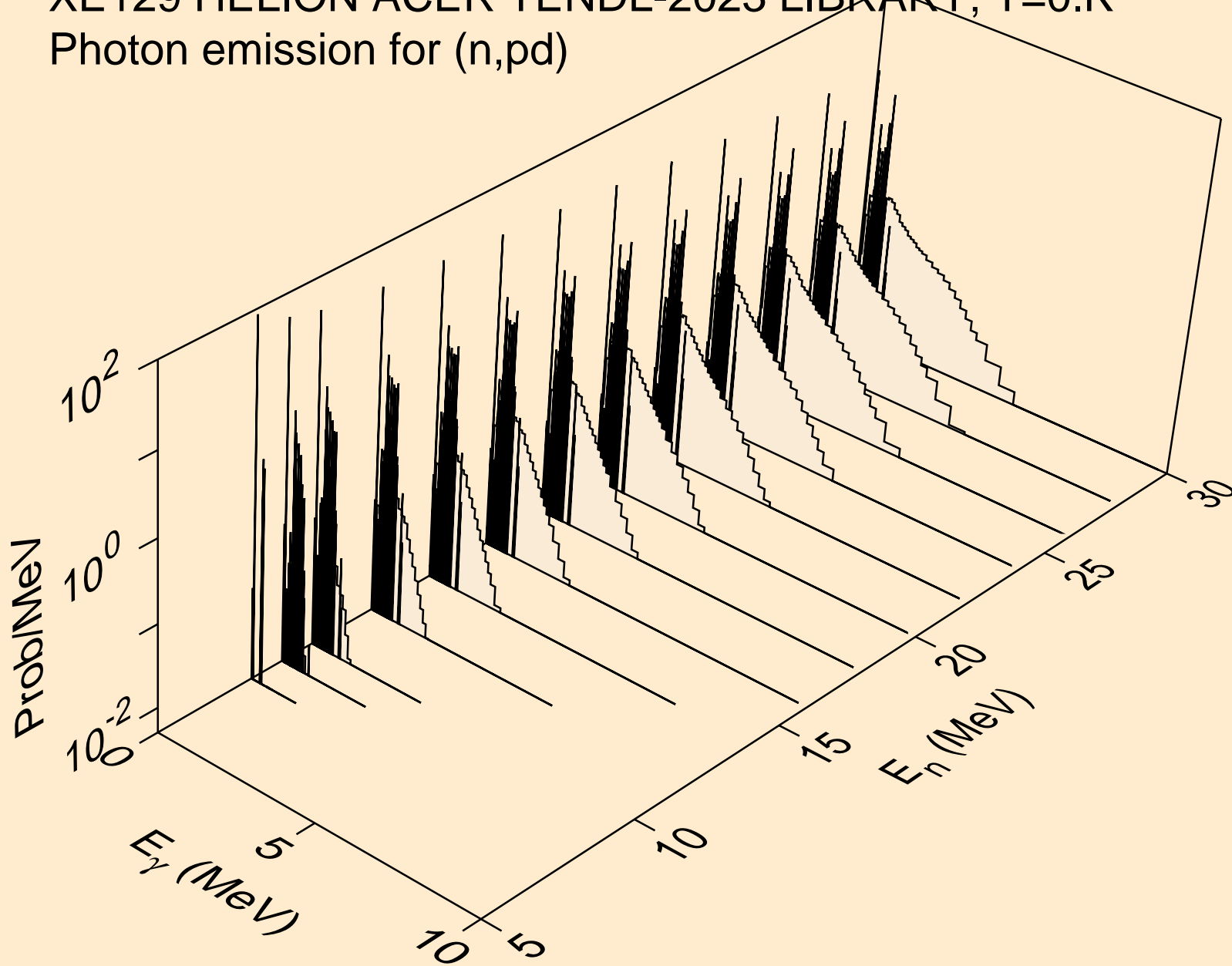
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Photon emission for (n,2p)



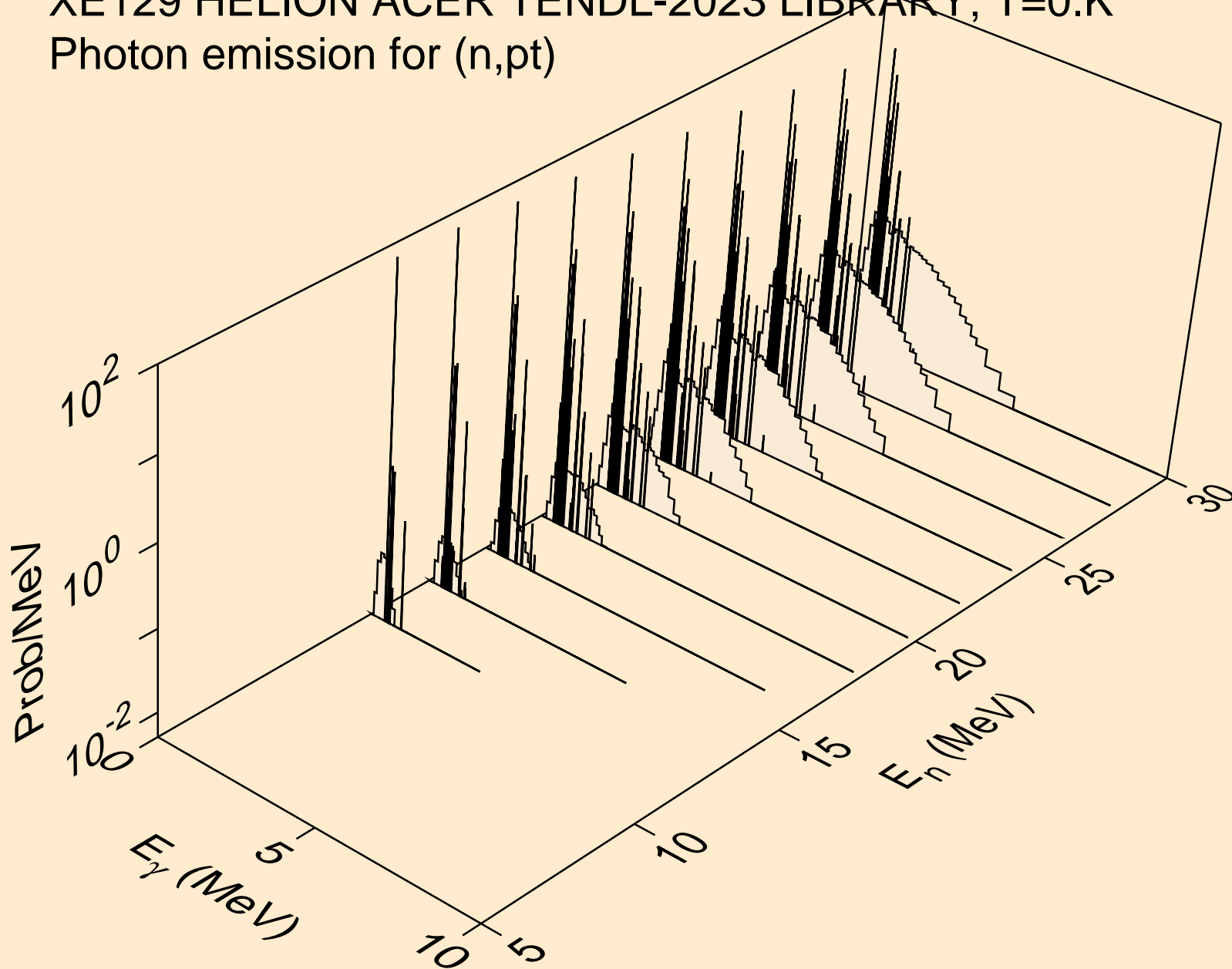
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Photon emission for (n,pa)



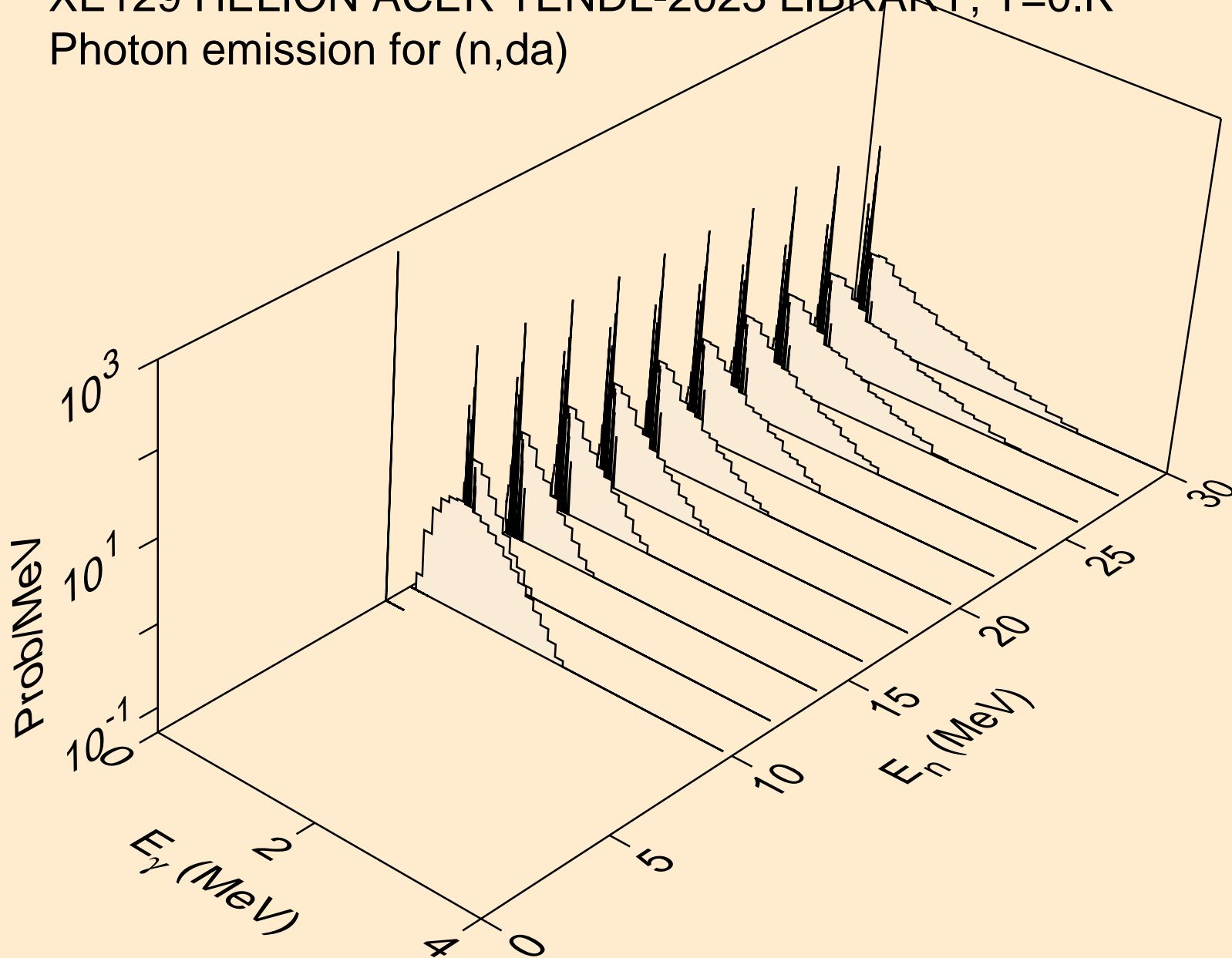
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

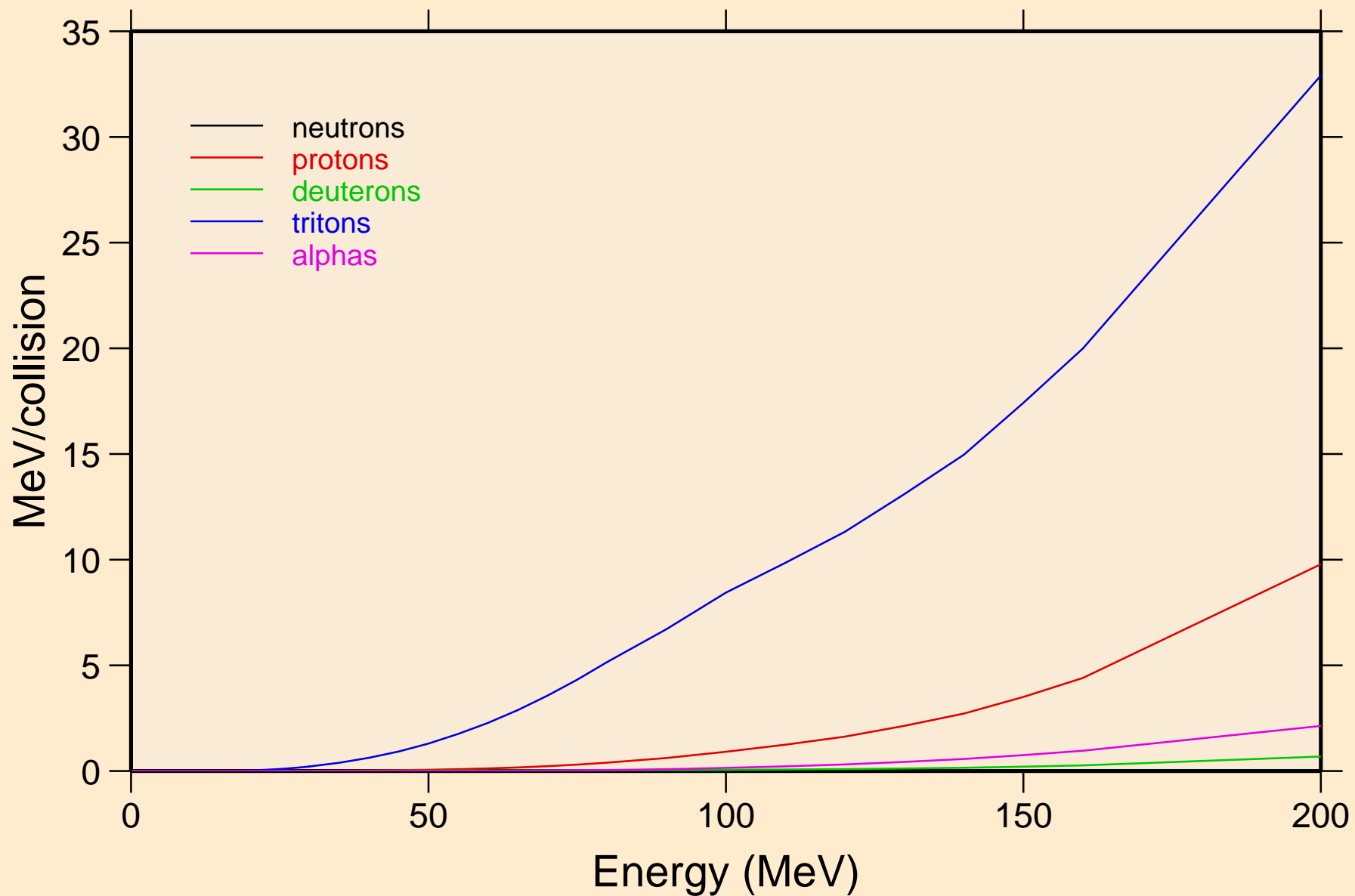


XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



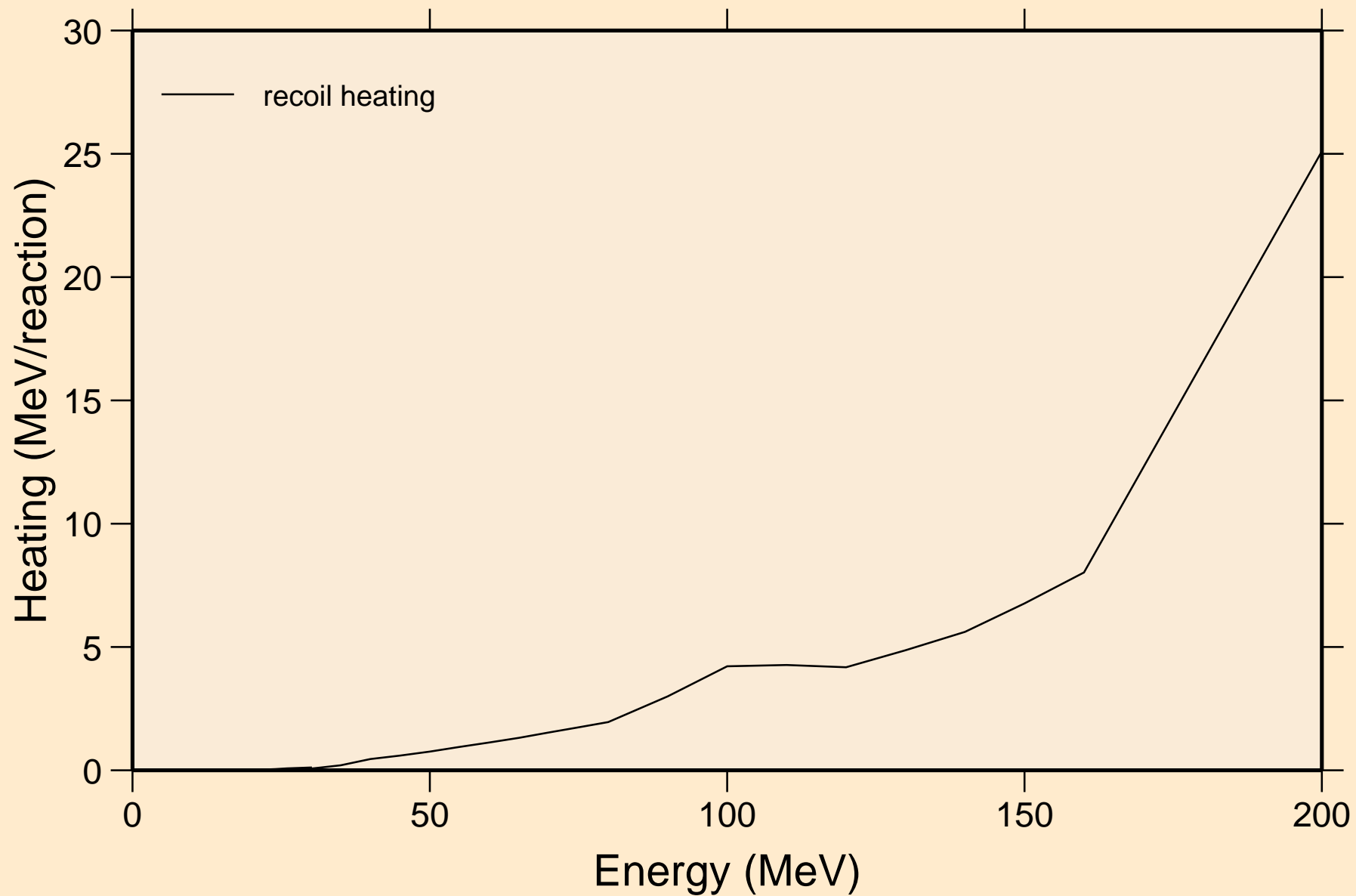
# XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



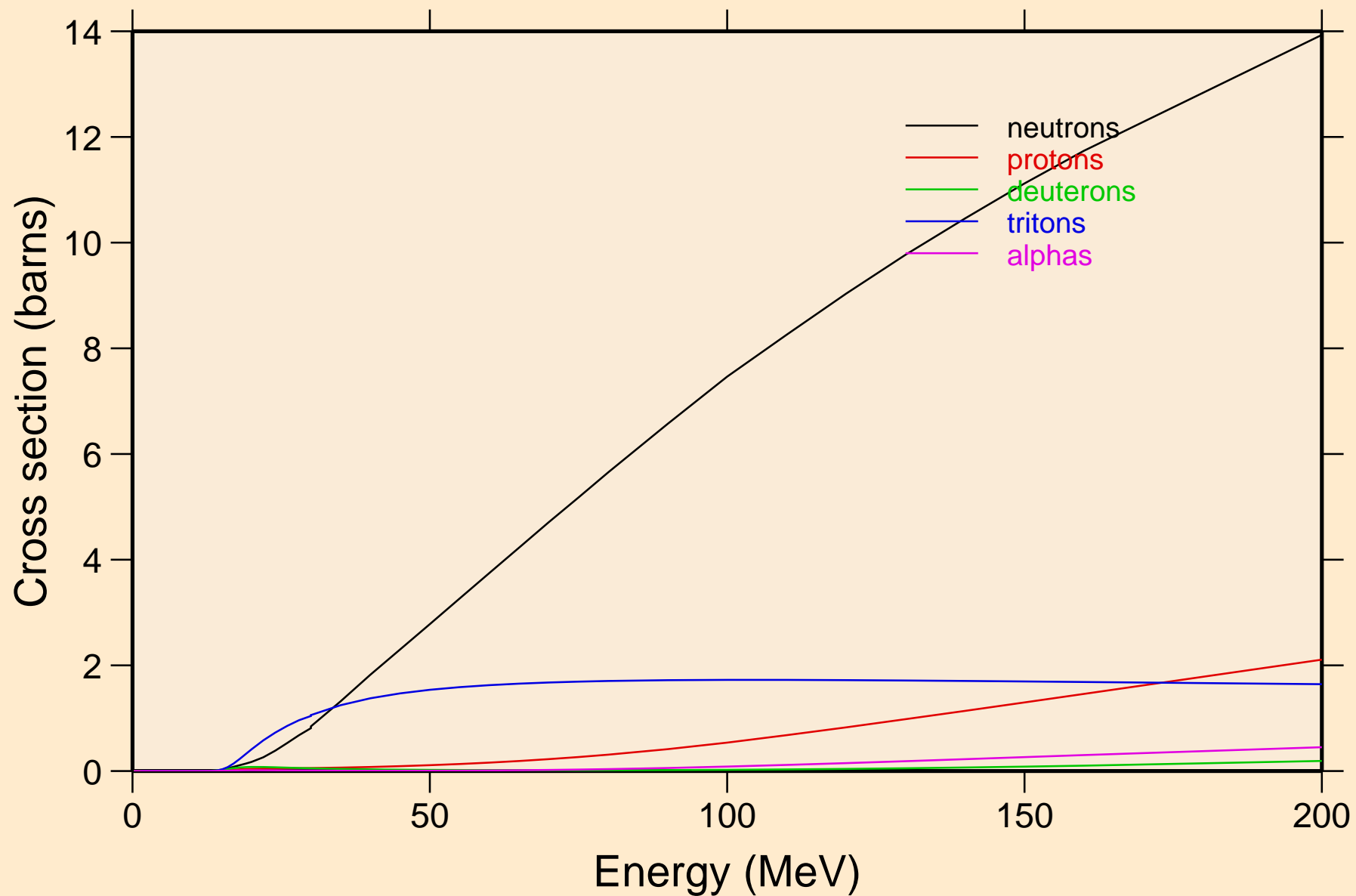


XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

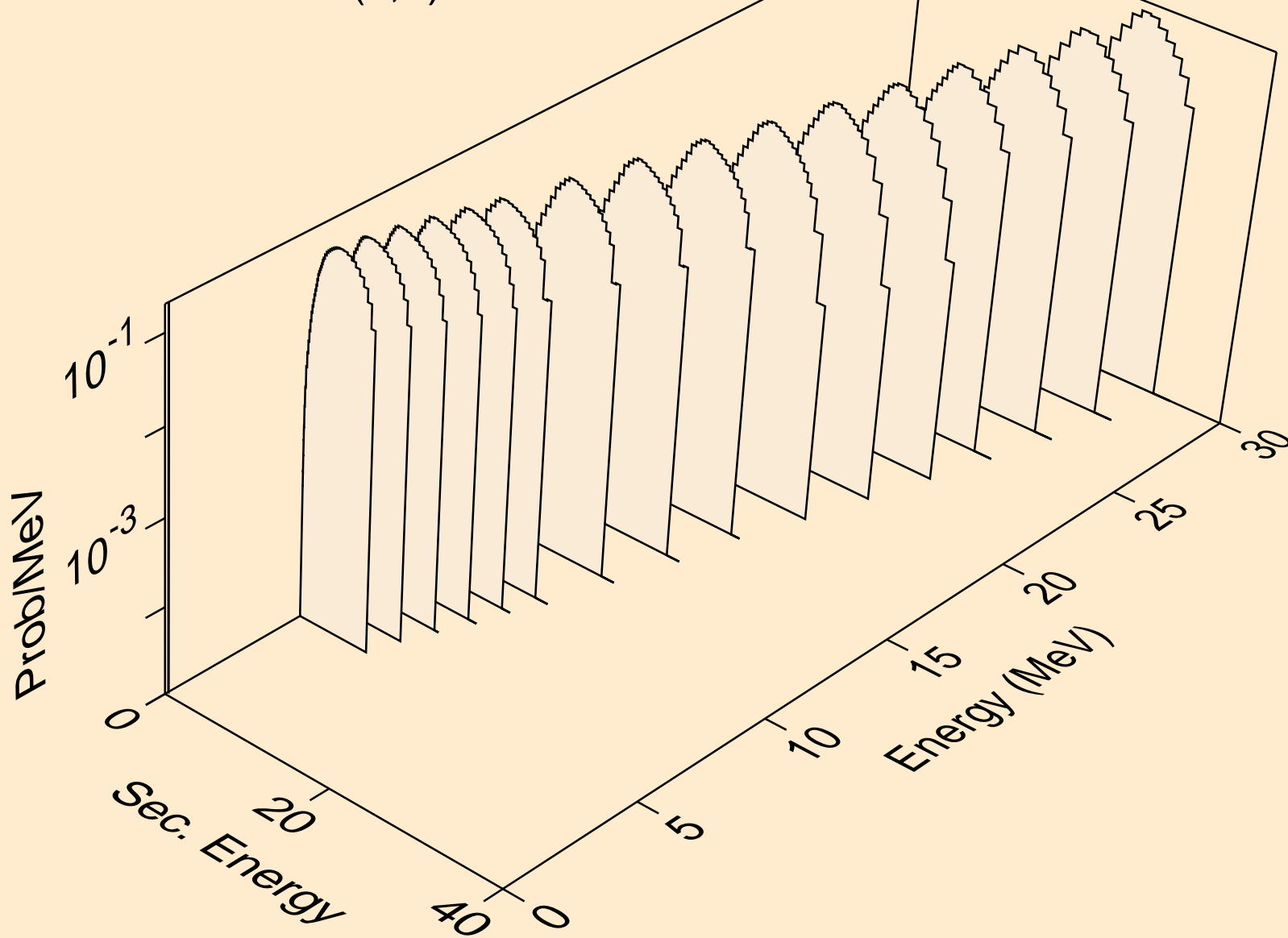


# XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K

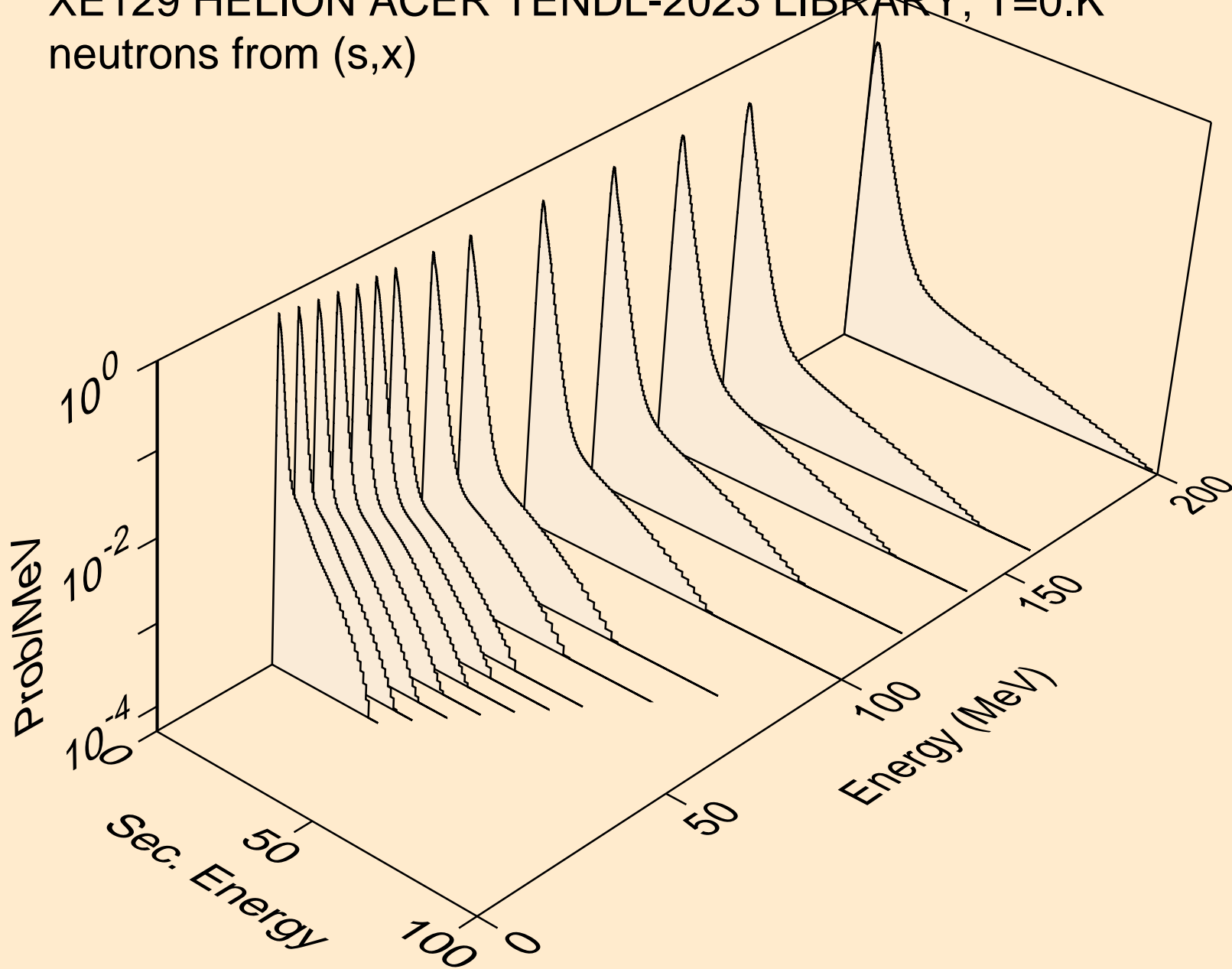
## Particle production cross sections



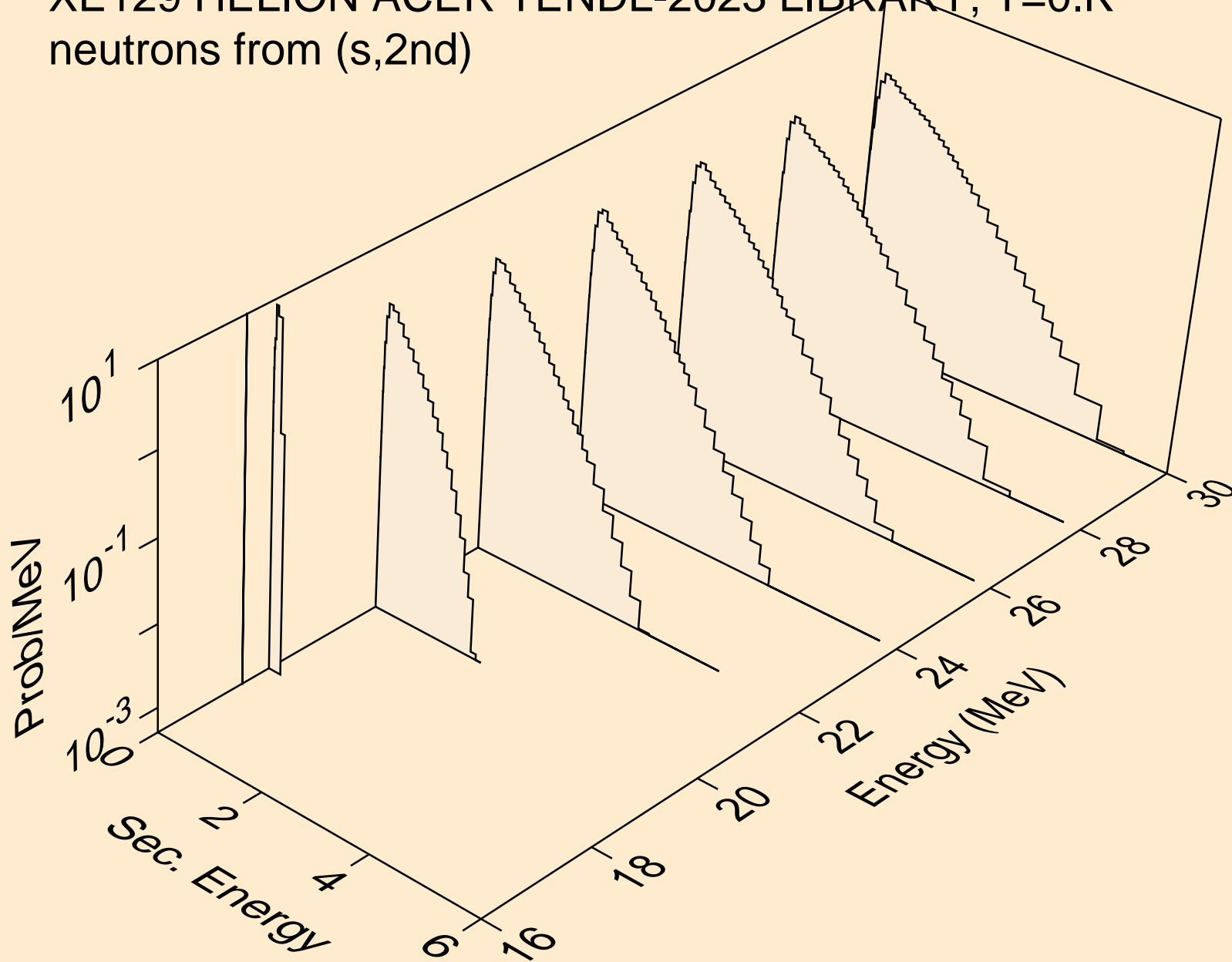
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



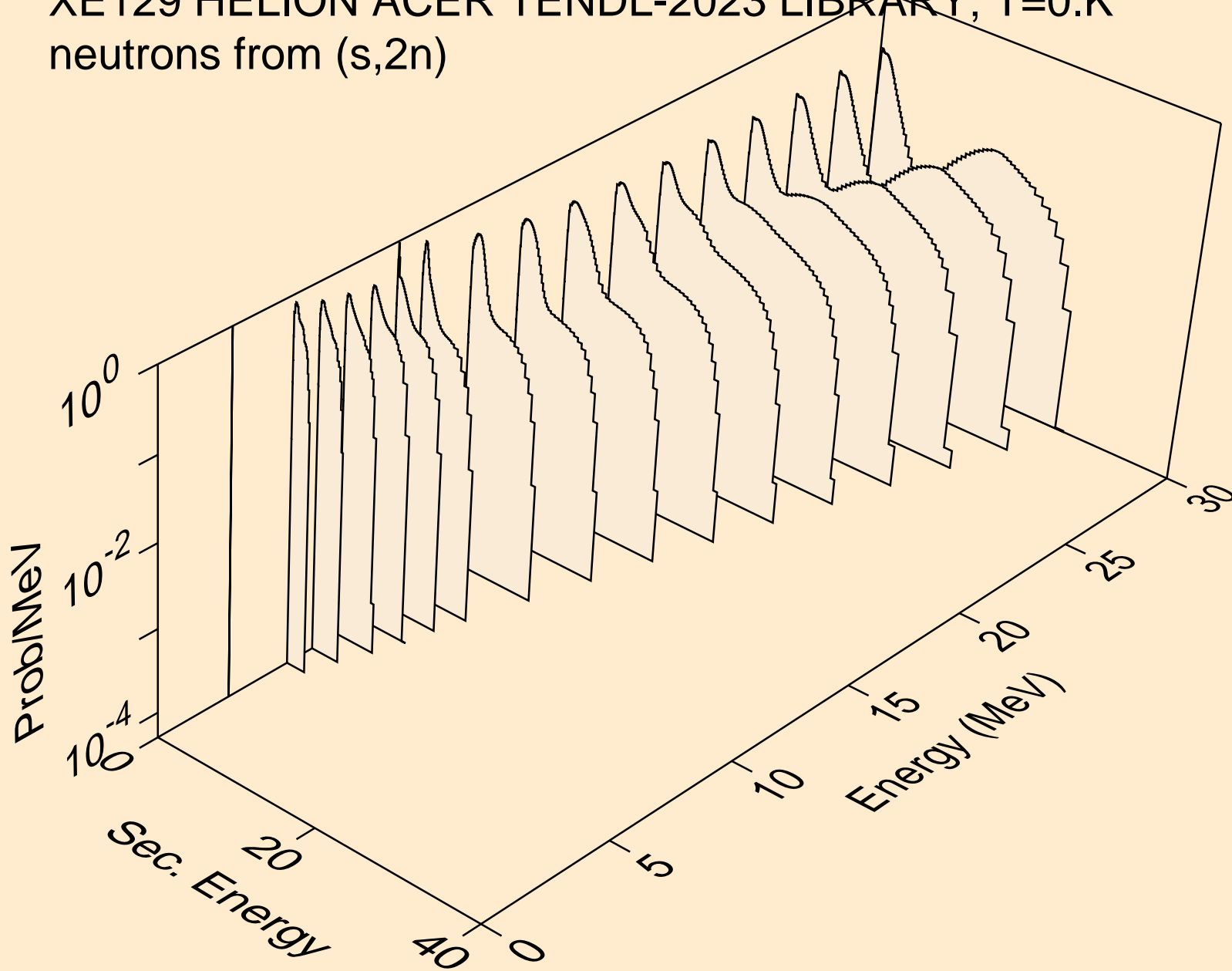
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neutrons from (s,x)



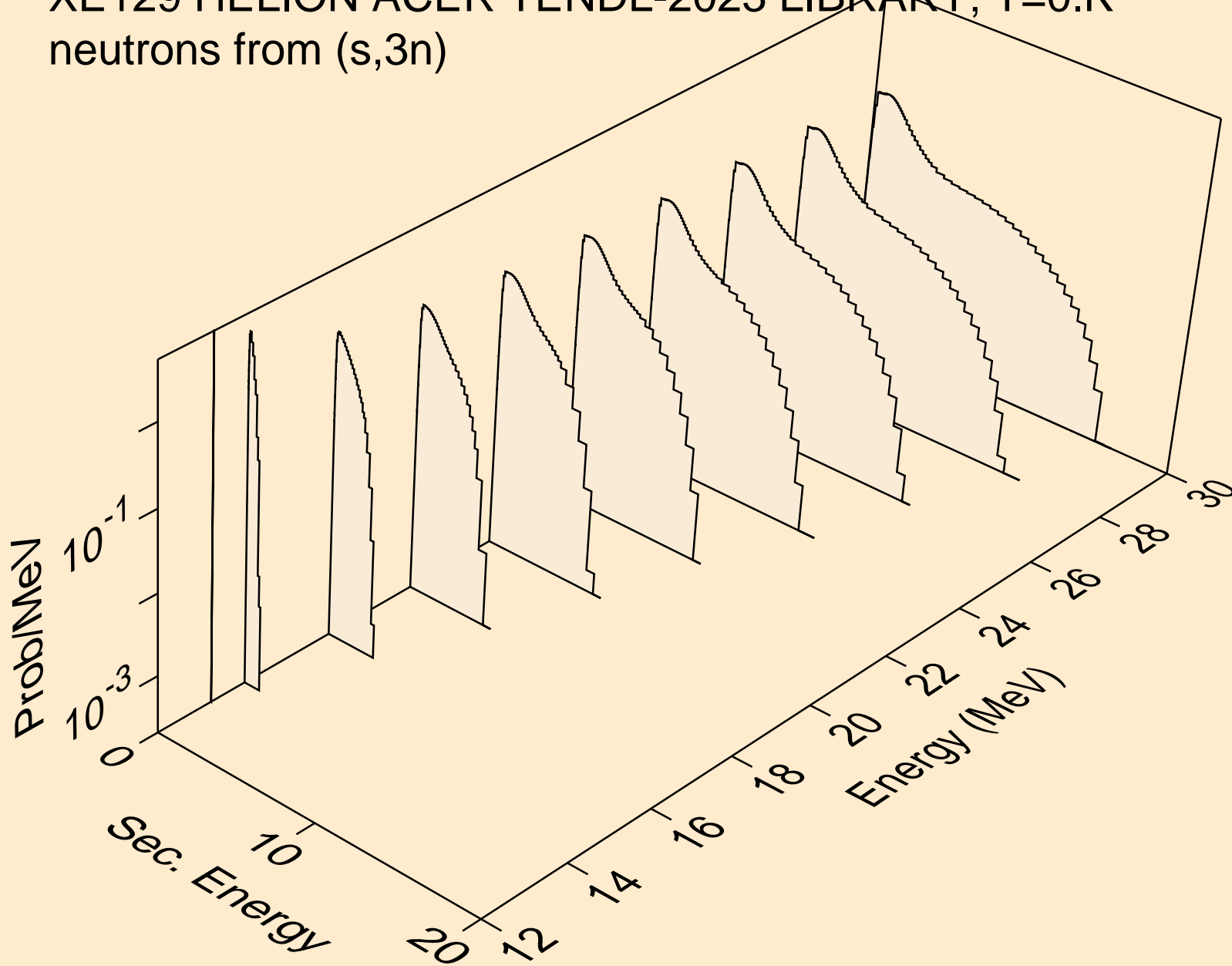
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neutrons from (s,2nd)



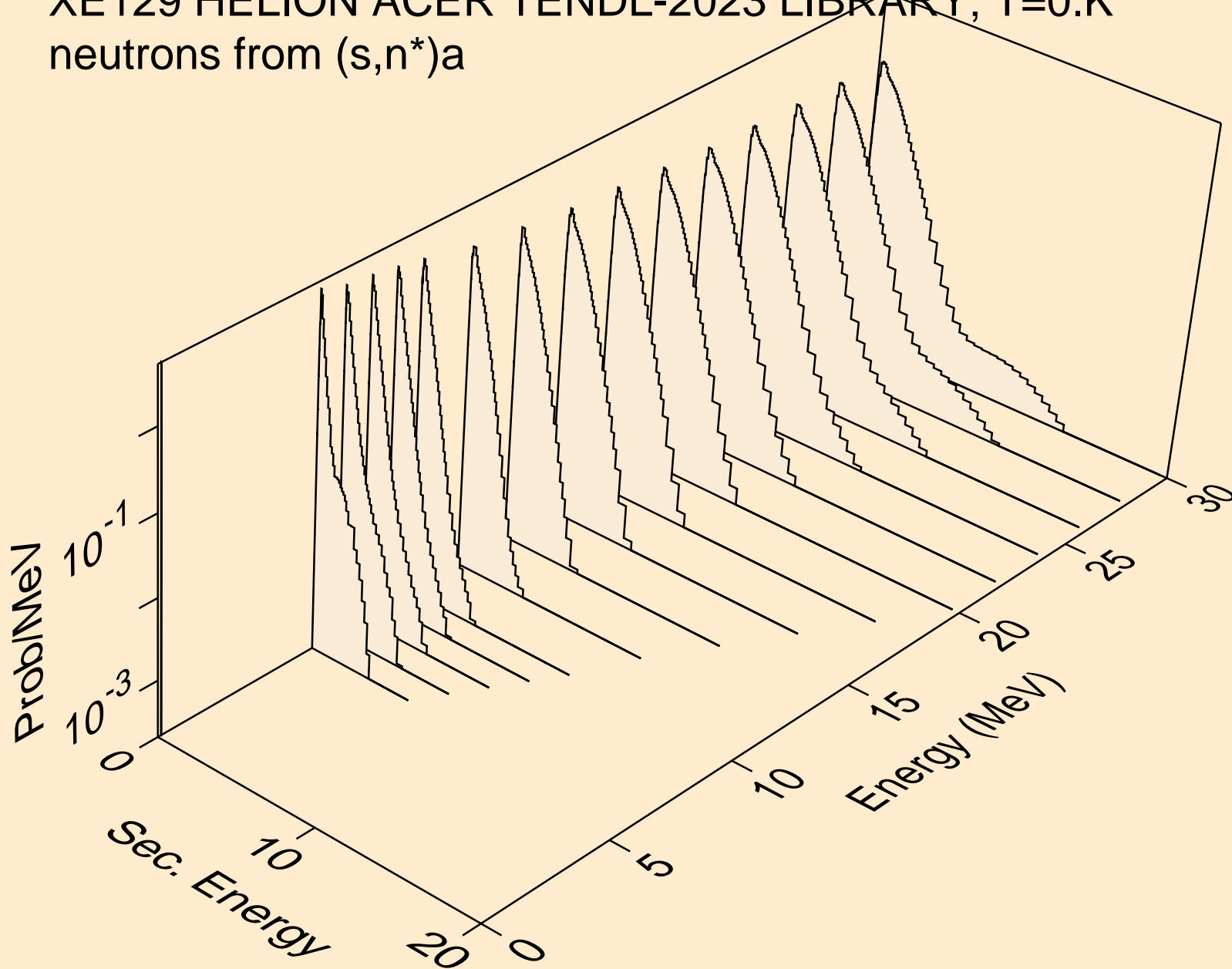
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)



XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3n)

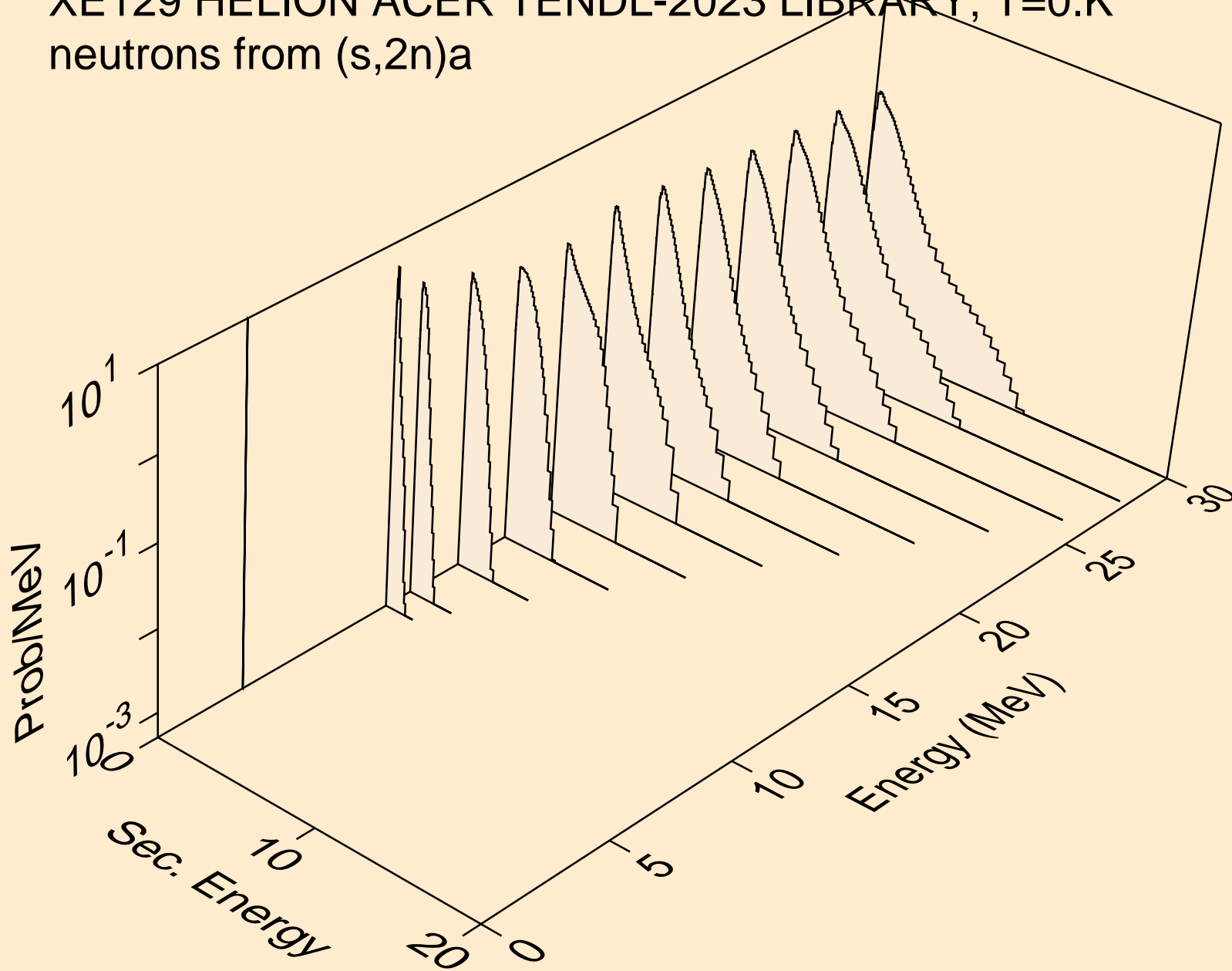


XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a

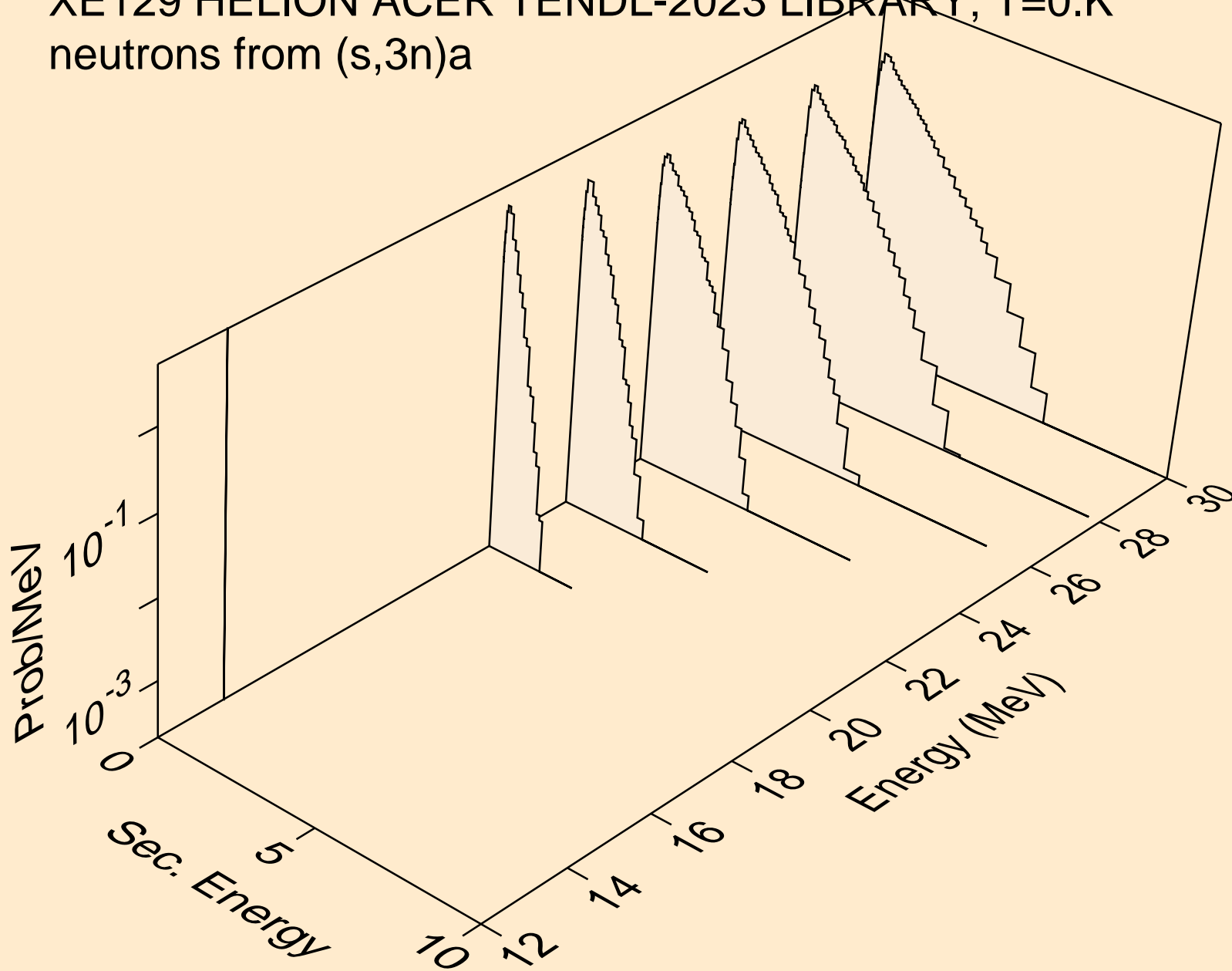




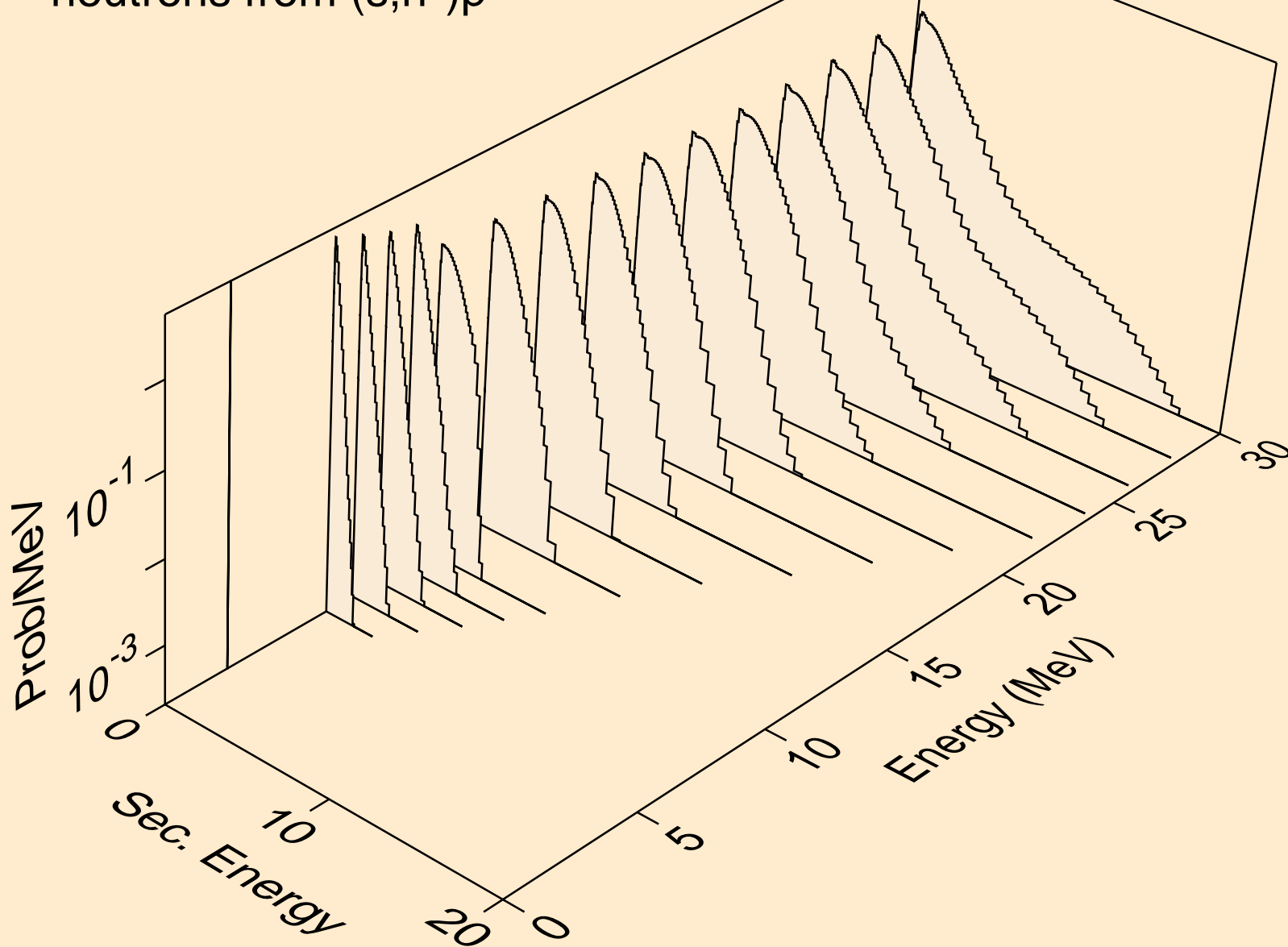
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)a



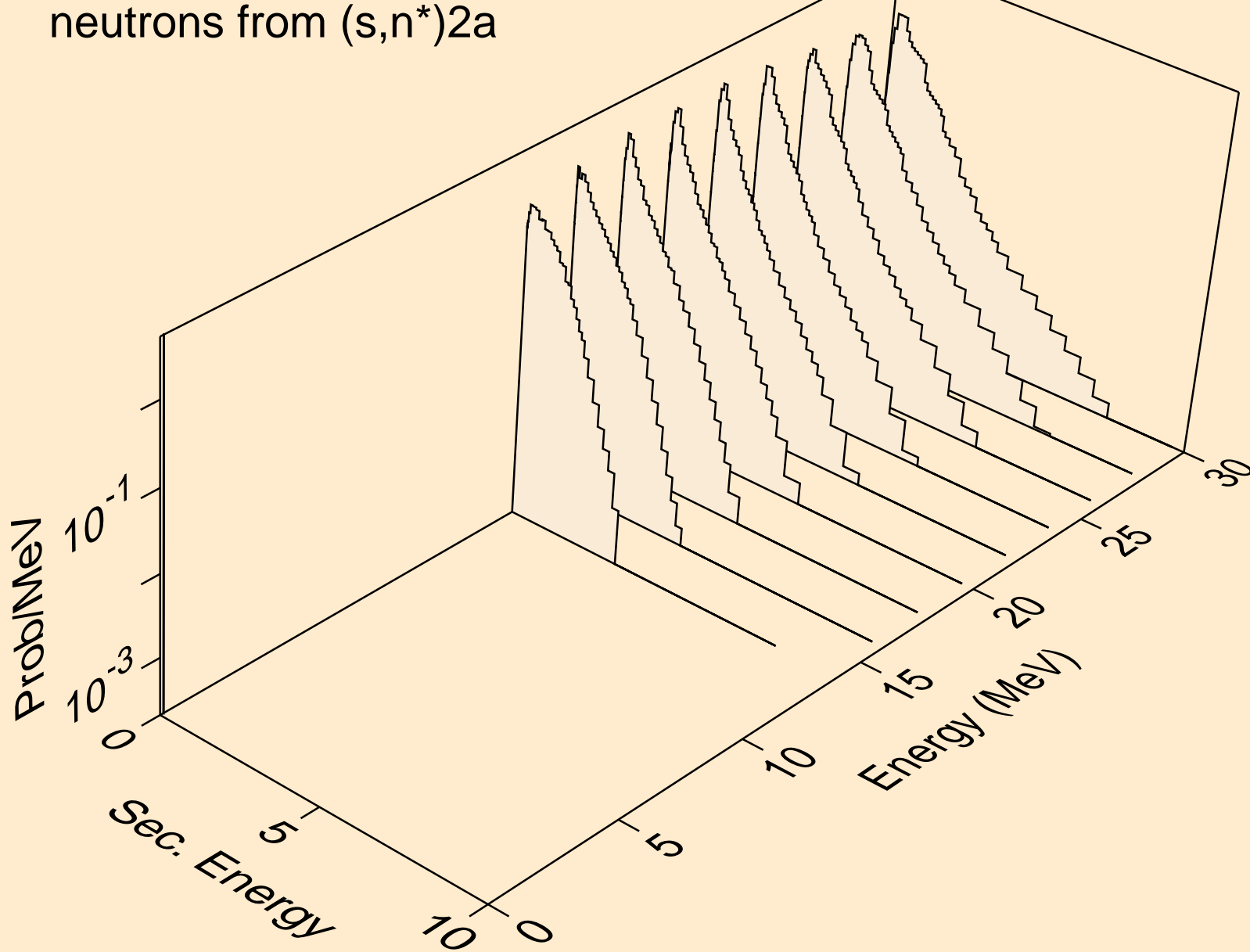
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neutrons from (s,3n)a



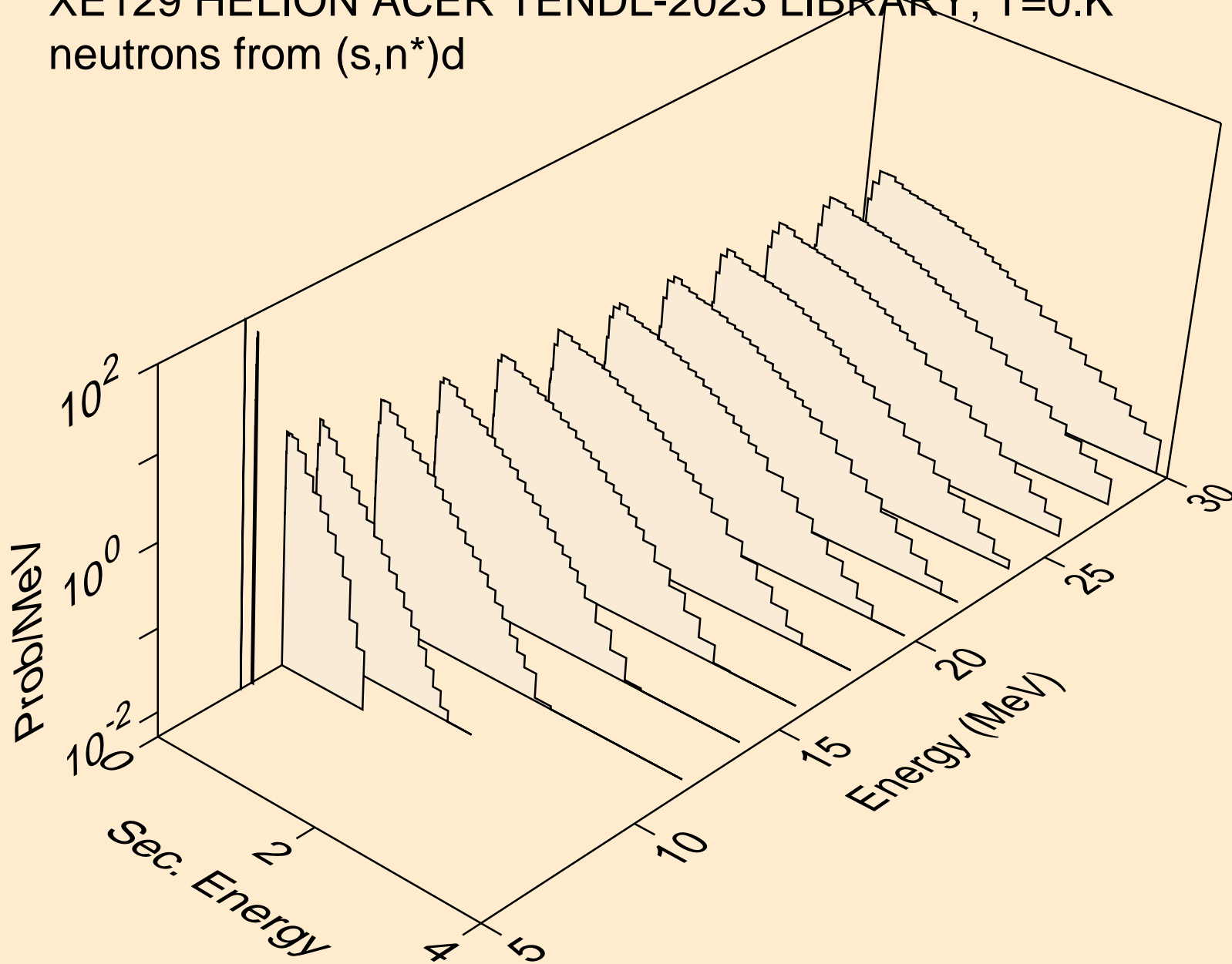
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neutrons from (s,n\*)p



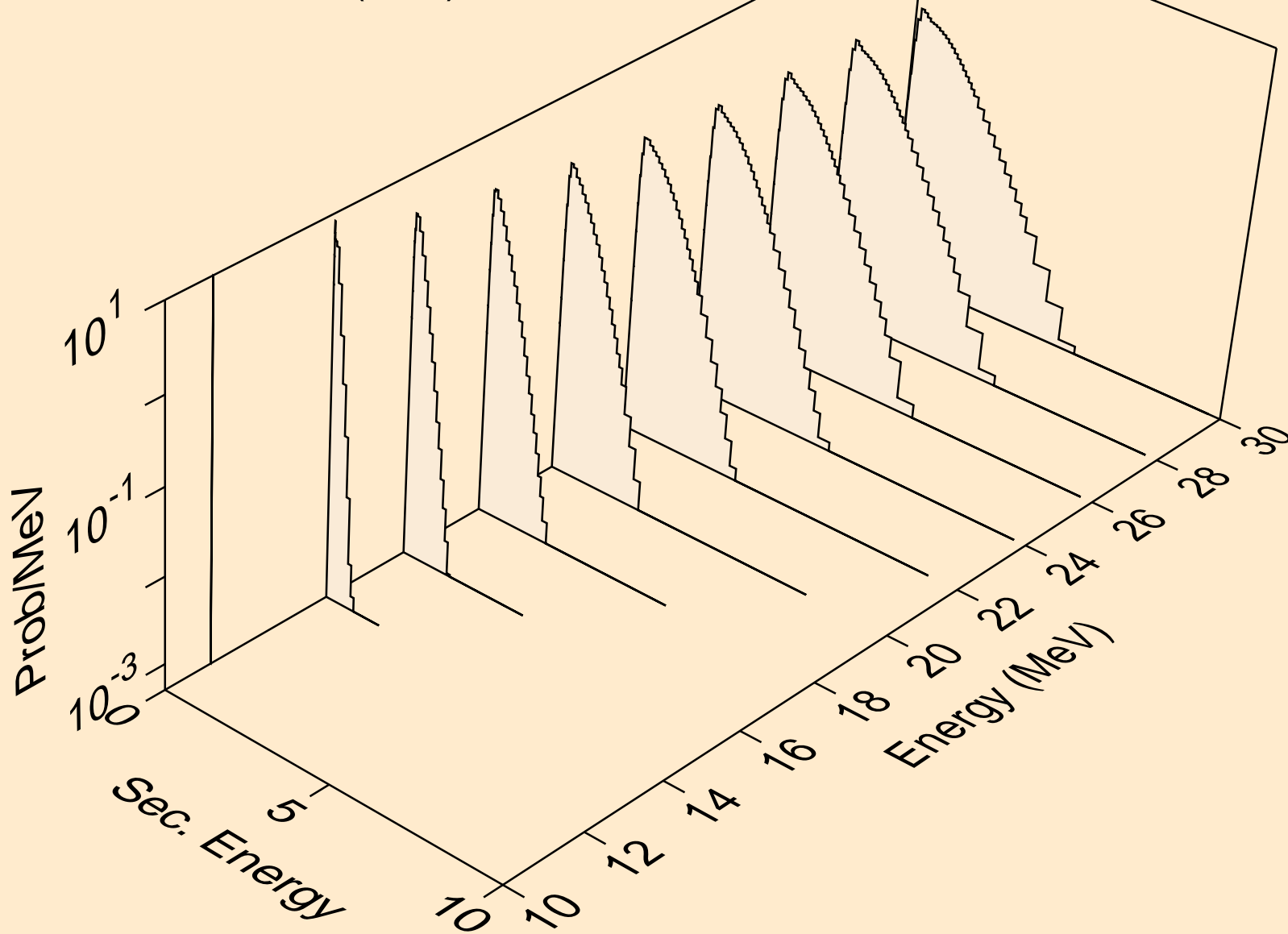
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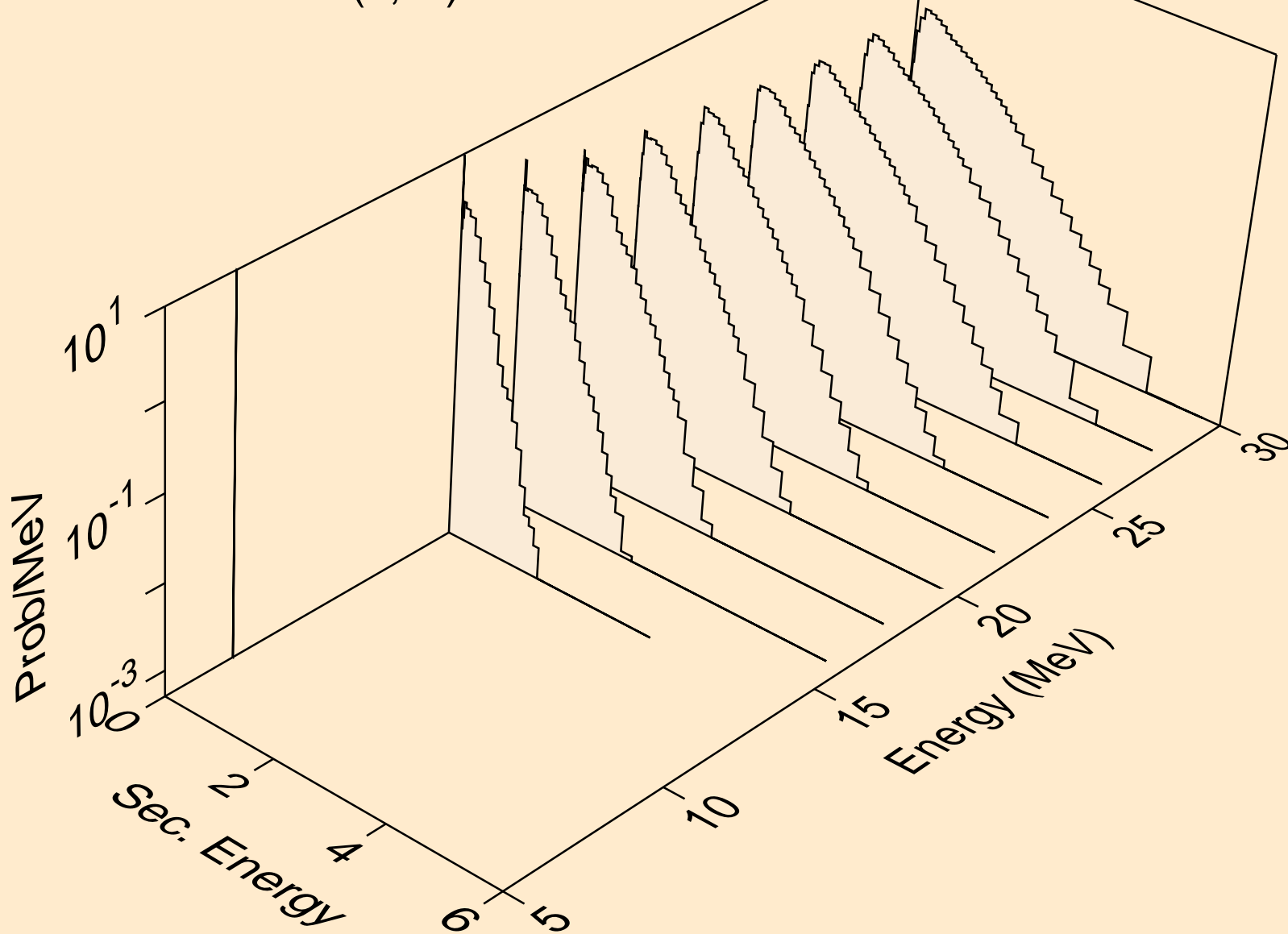
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neutrons from (s,n\*)d



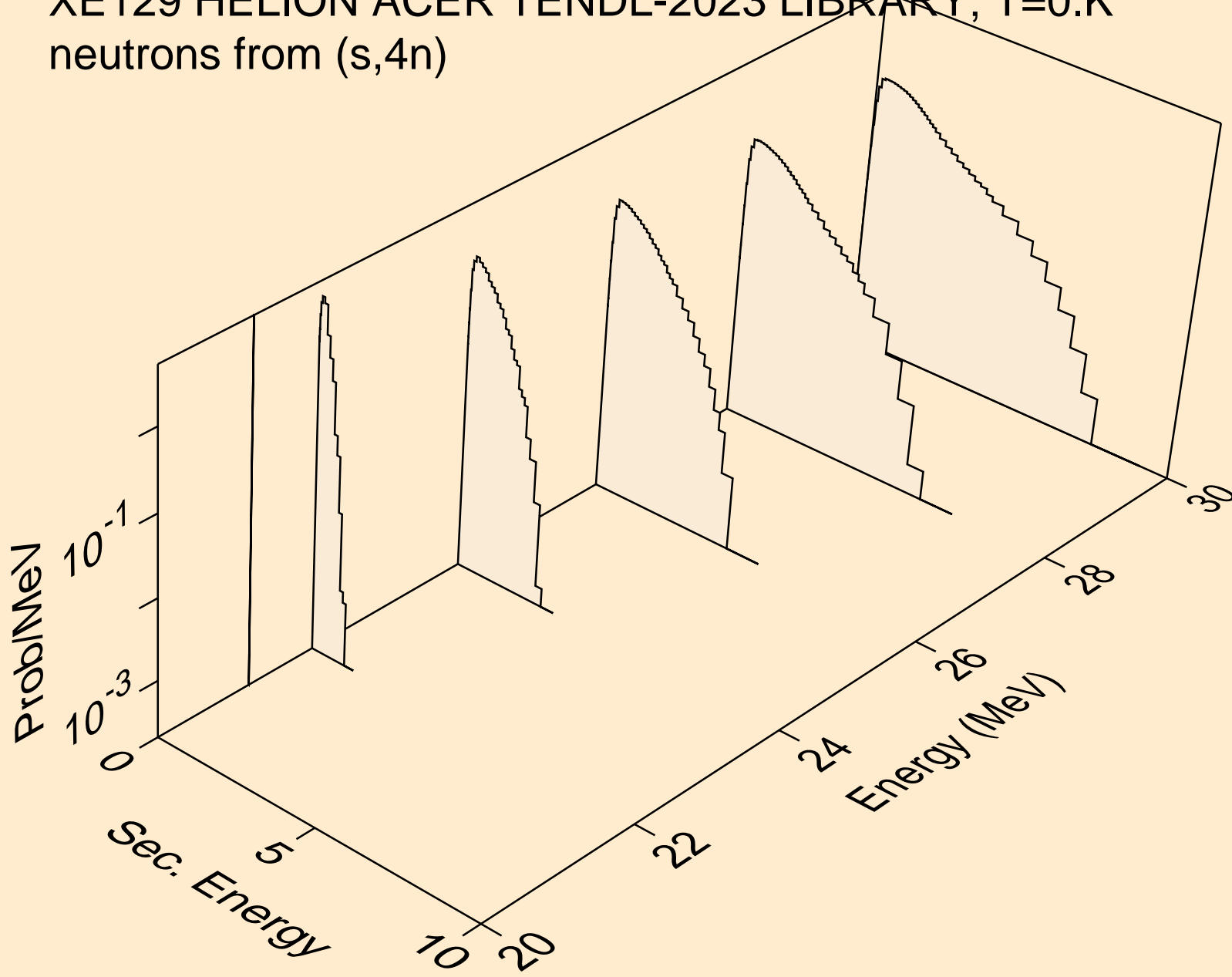
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)t



XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

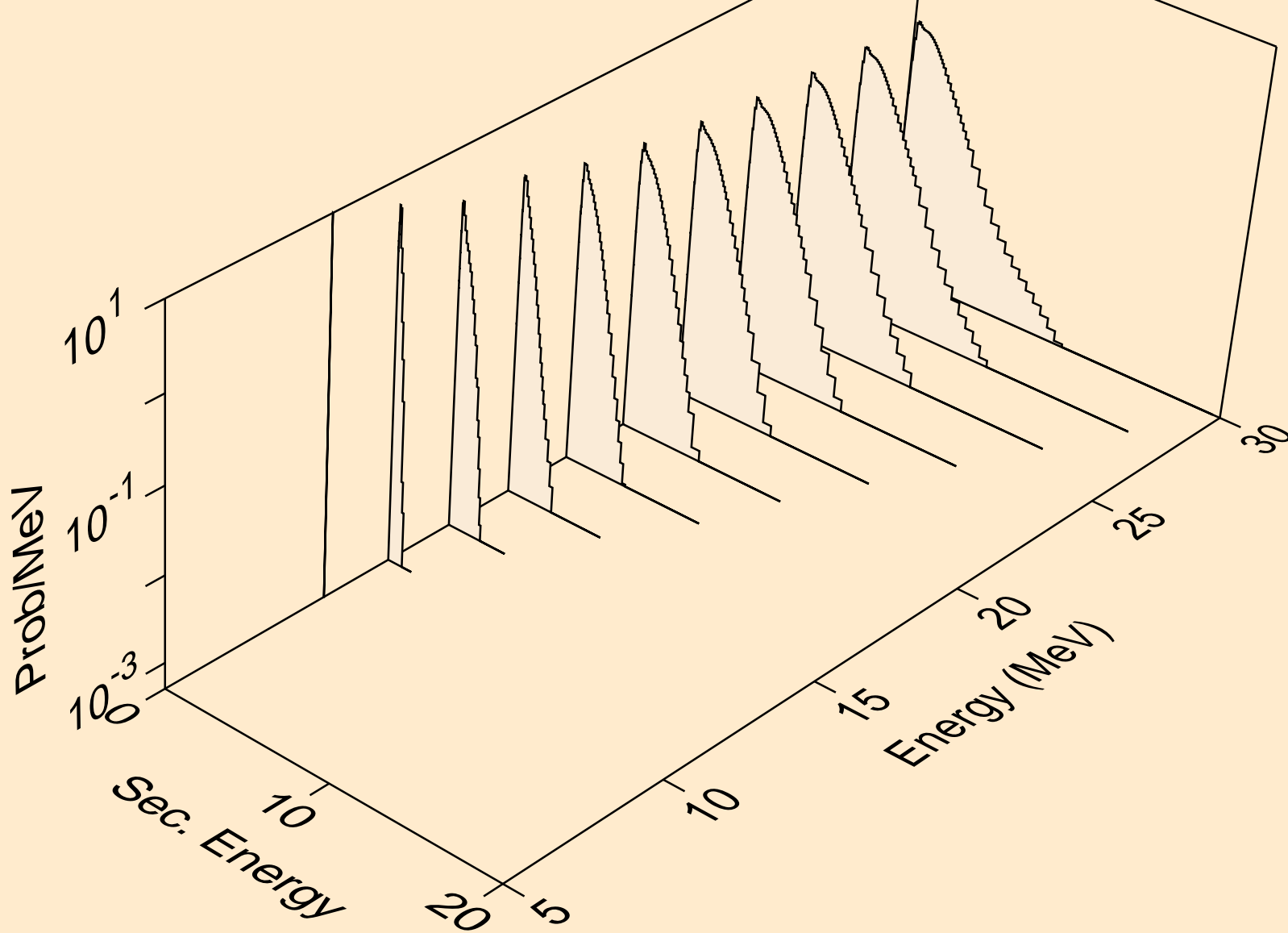


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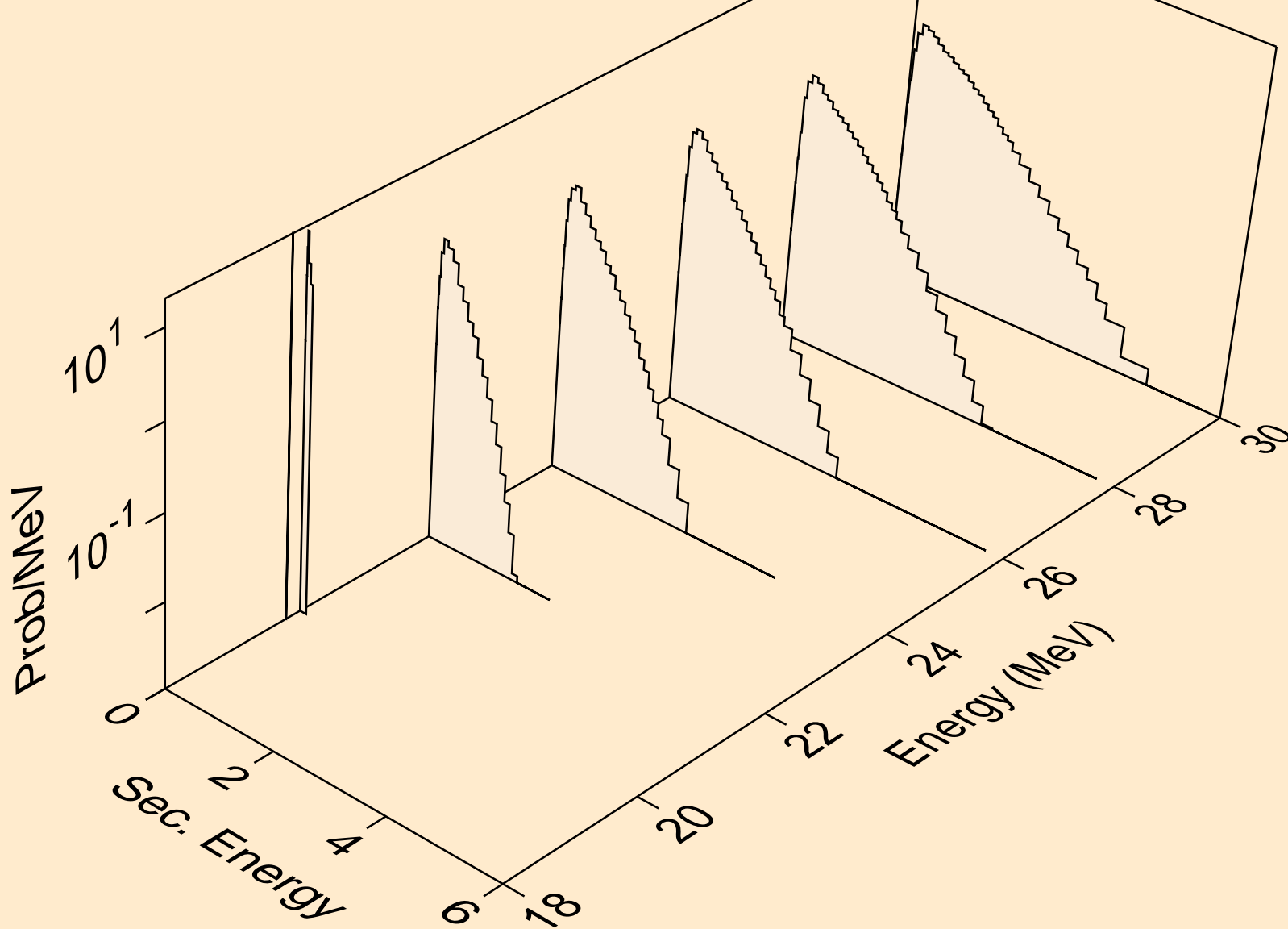




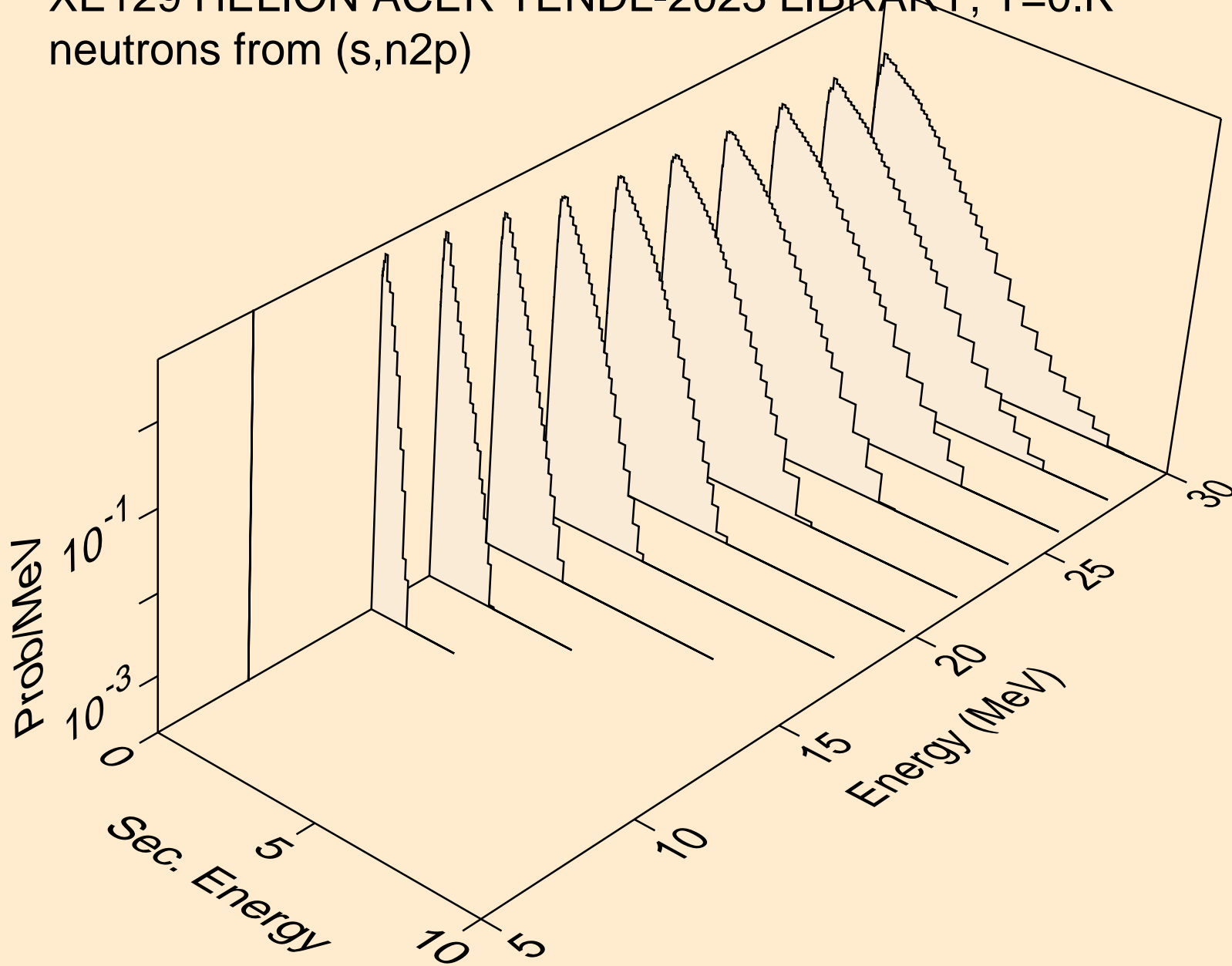
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neutrons from (s,2np)



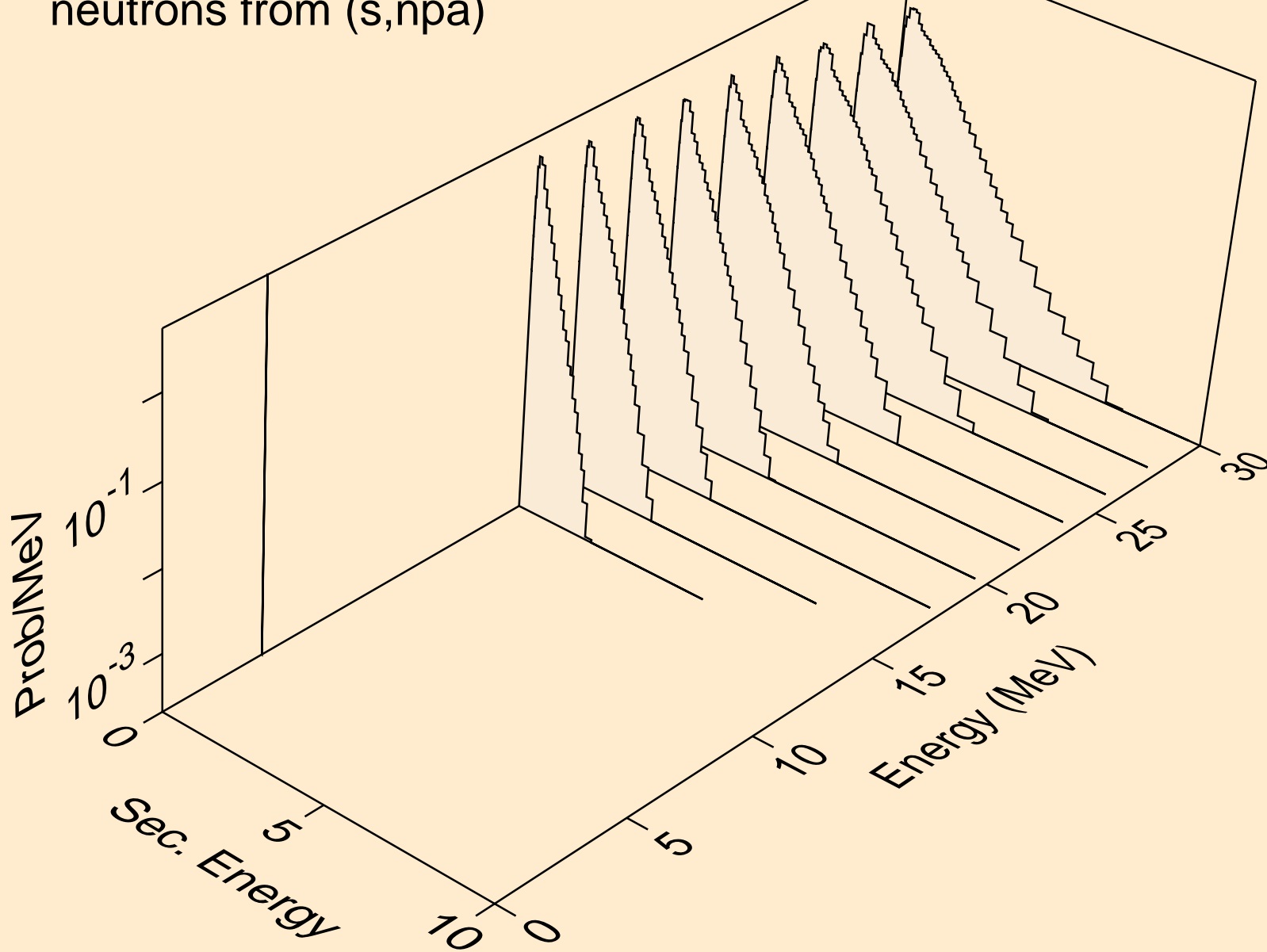
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neutrons from (s,3np)



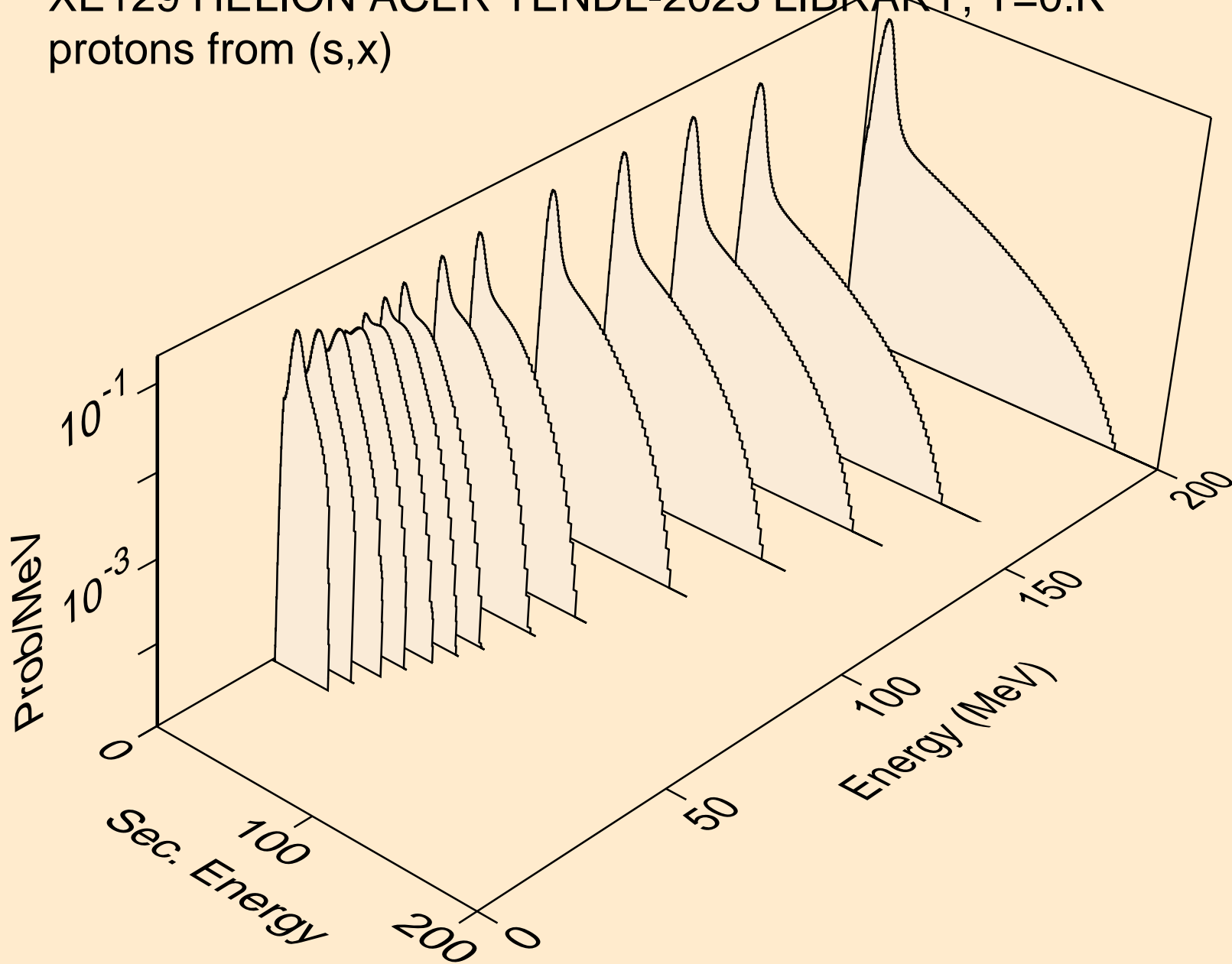
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n2p)



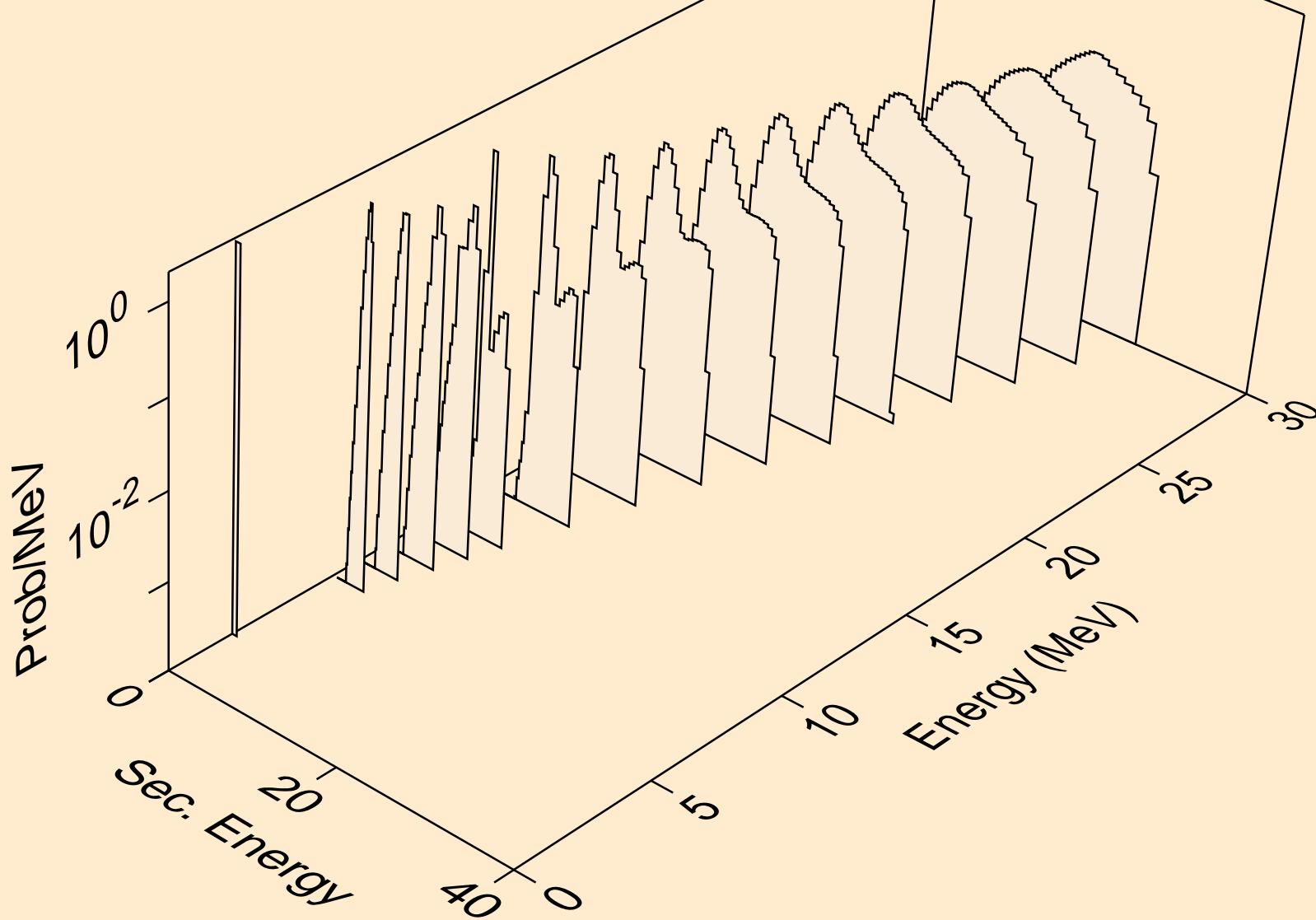
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neutrons from (s,npa)



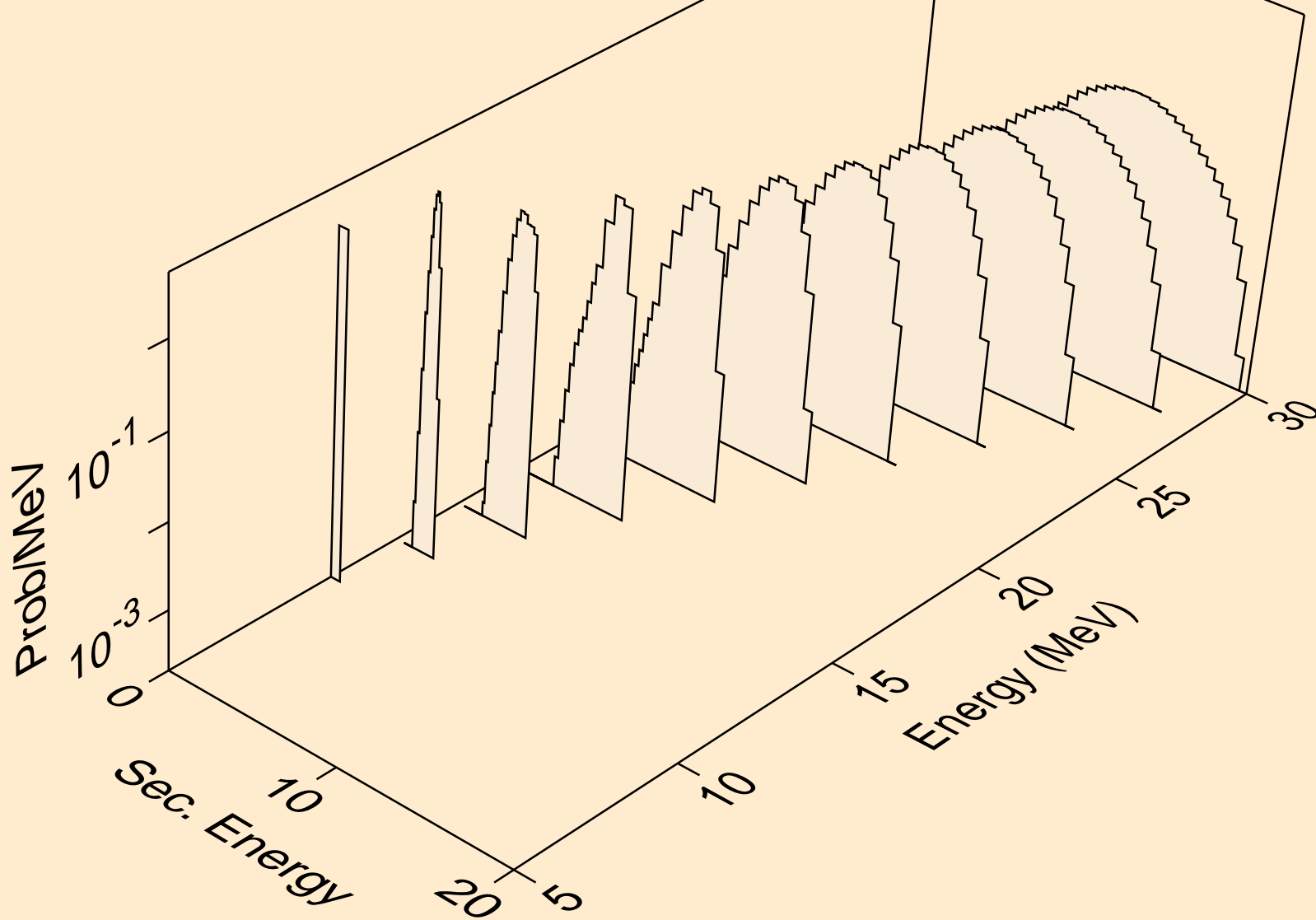
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protons from (s,x)



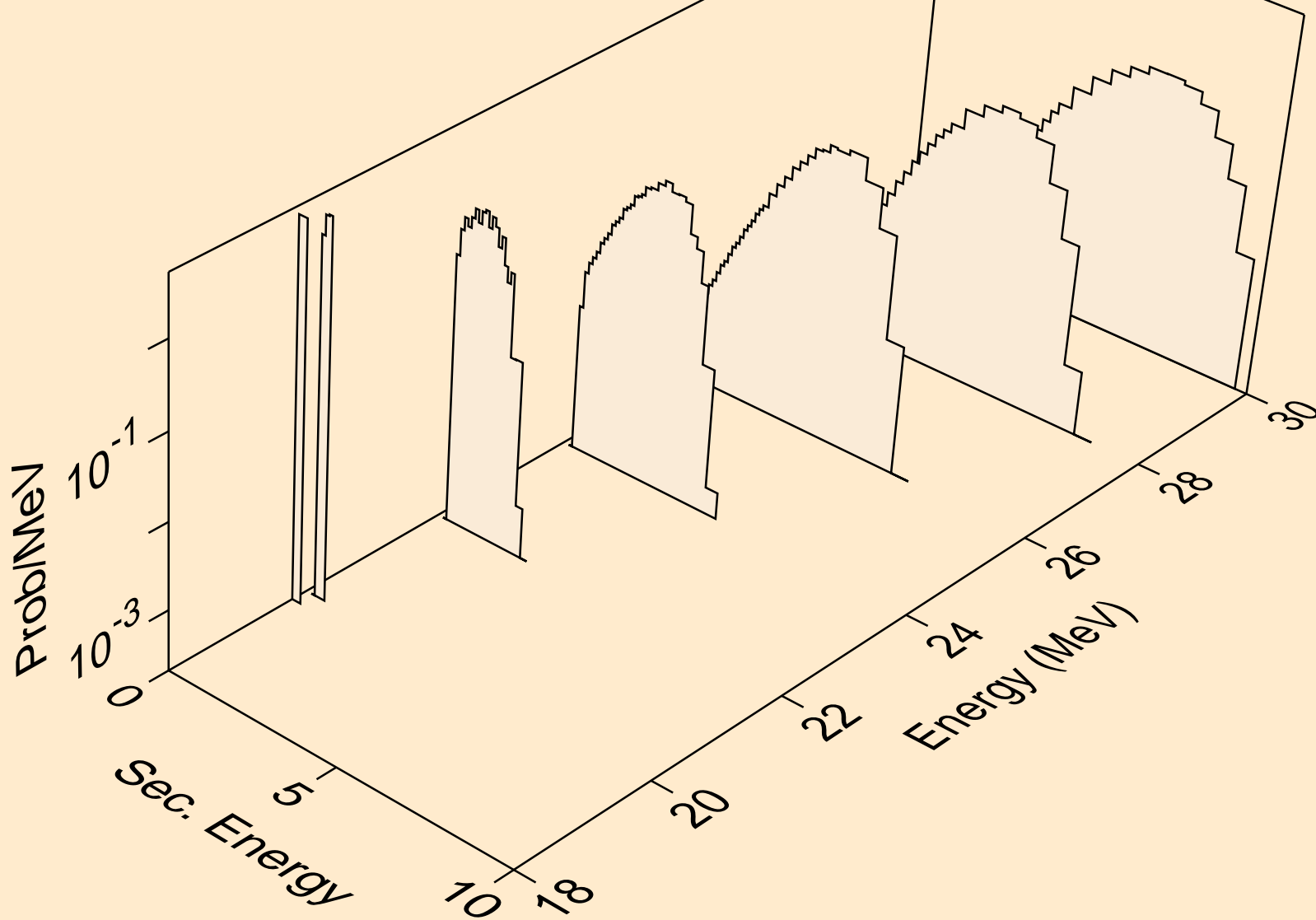
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n\*)p



XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,2np)

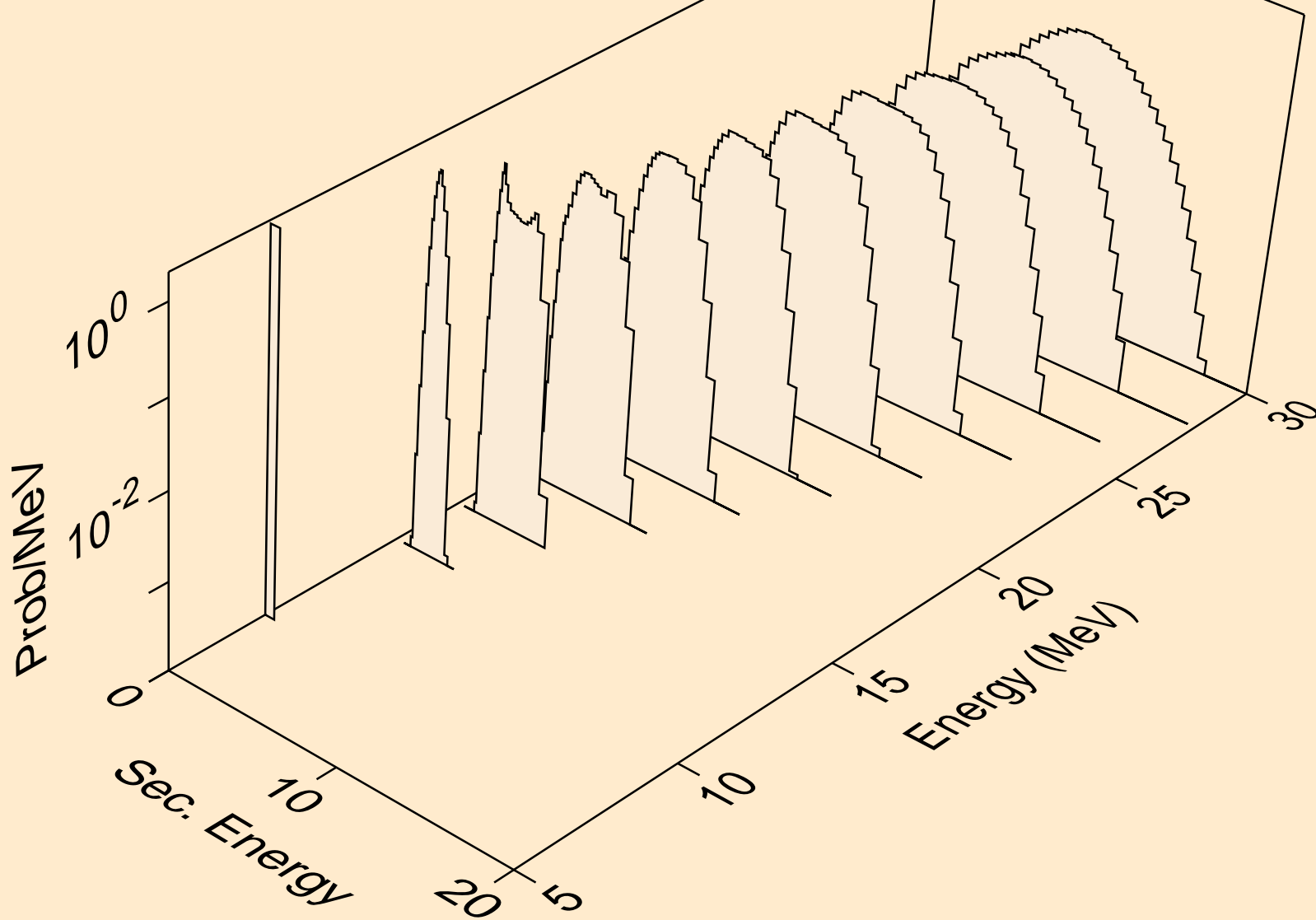


XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,3np)

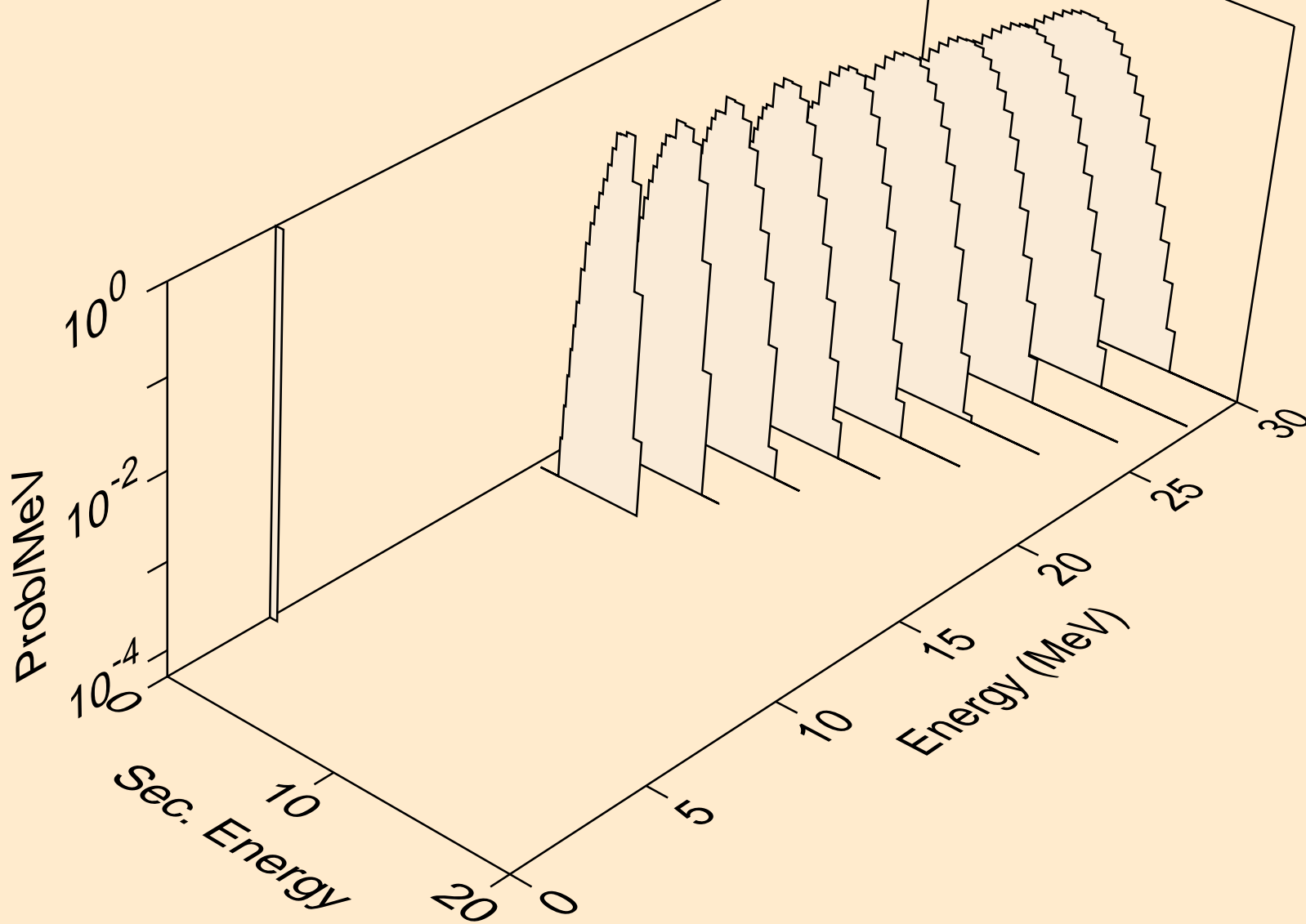




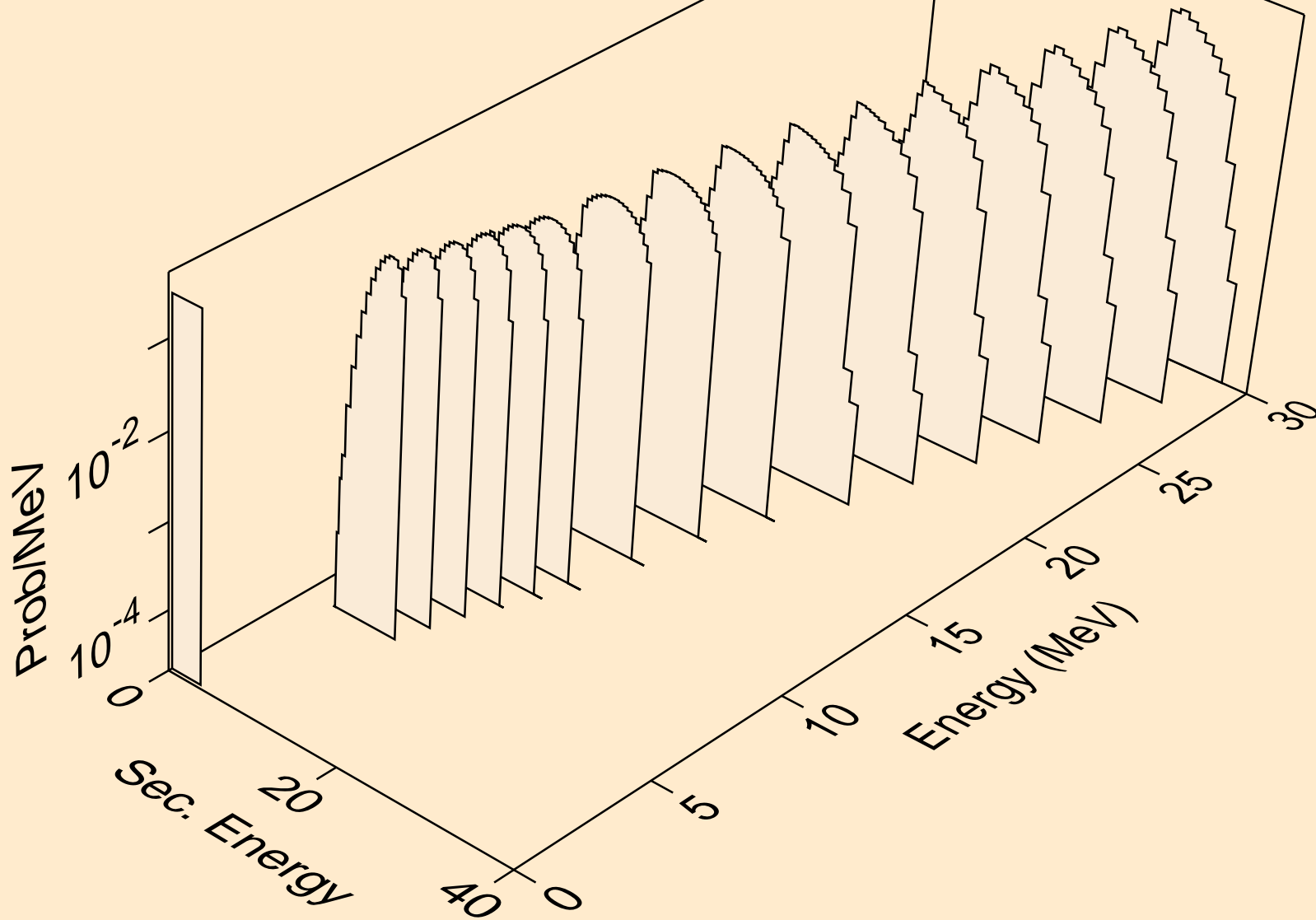
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protons from (s,n2p)



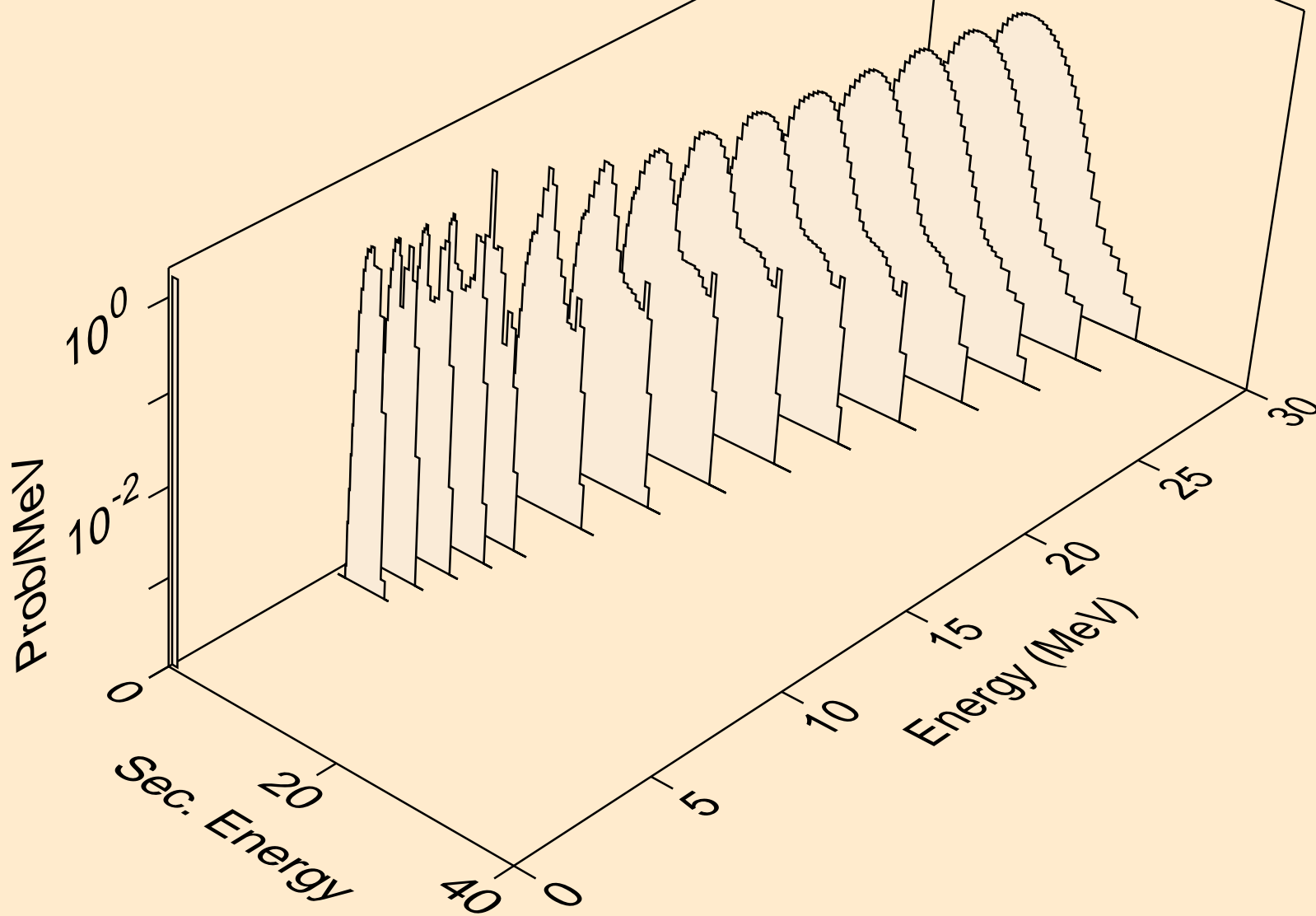
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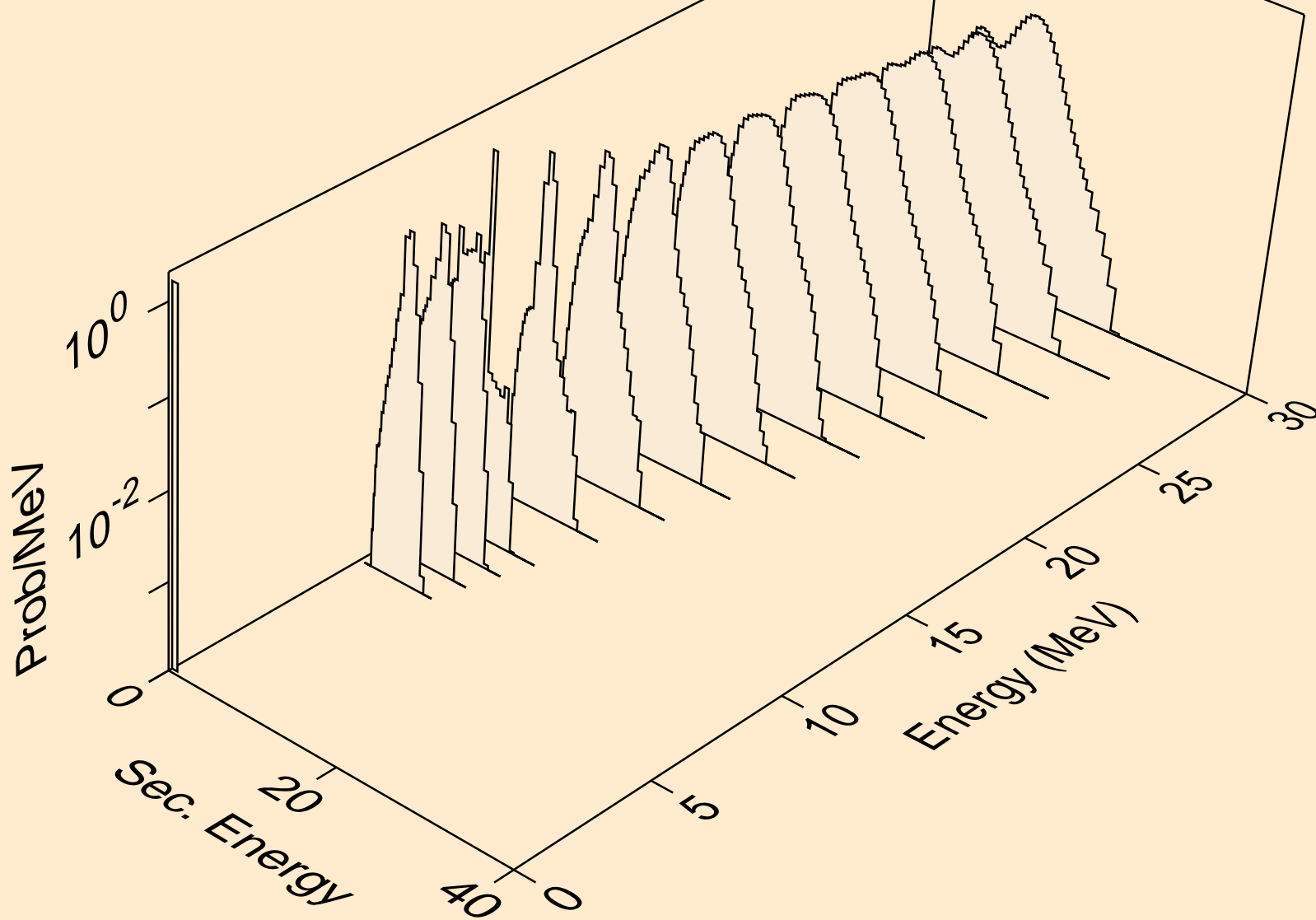
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protons from (s,p)



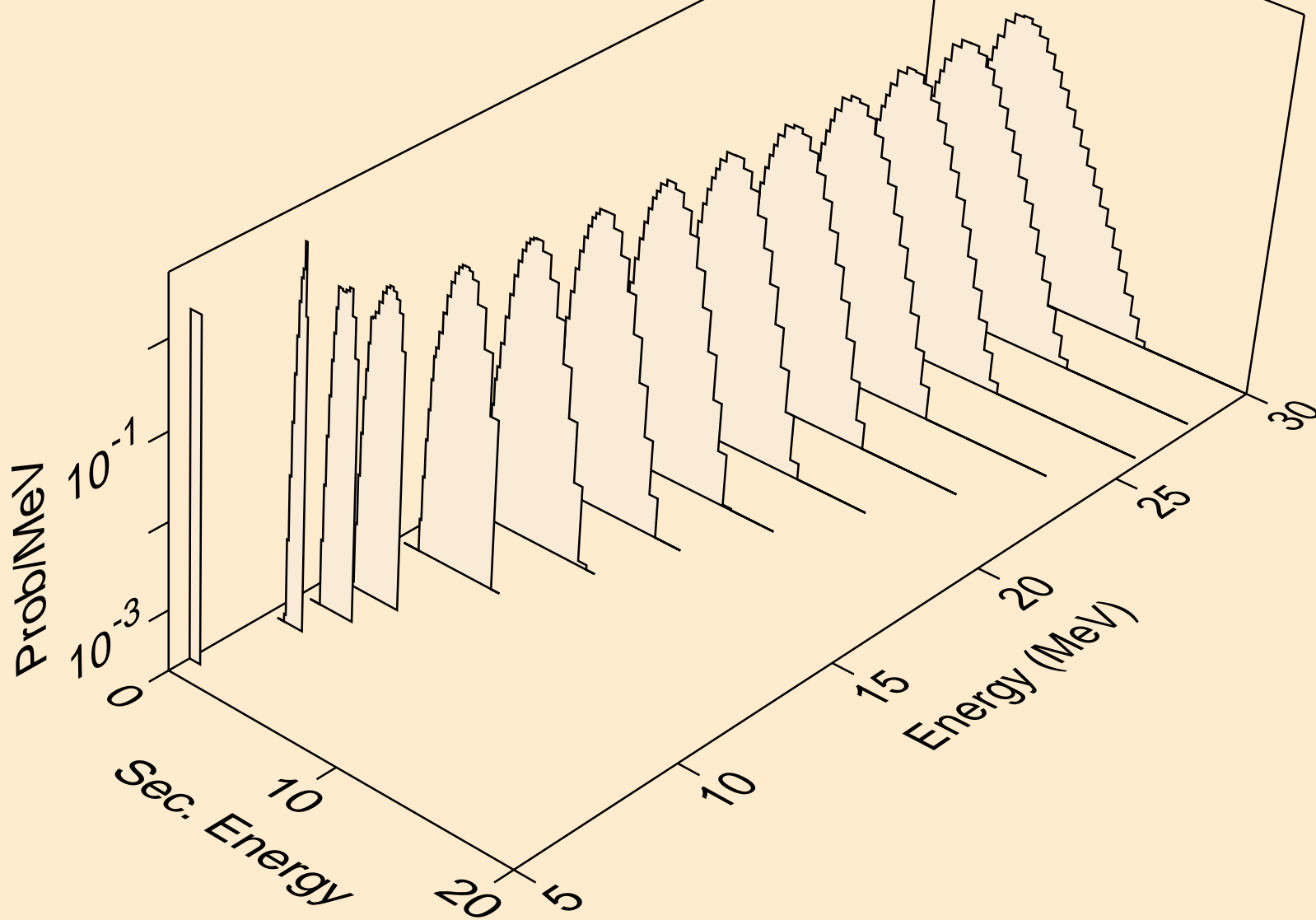
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protons from (s,2p)



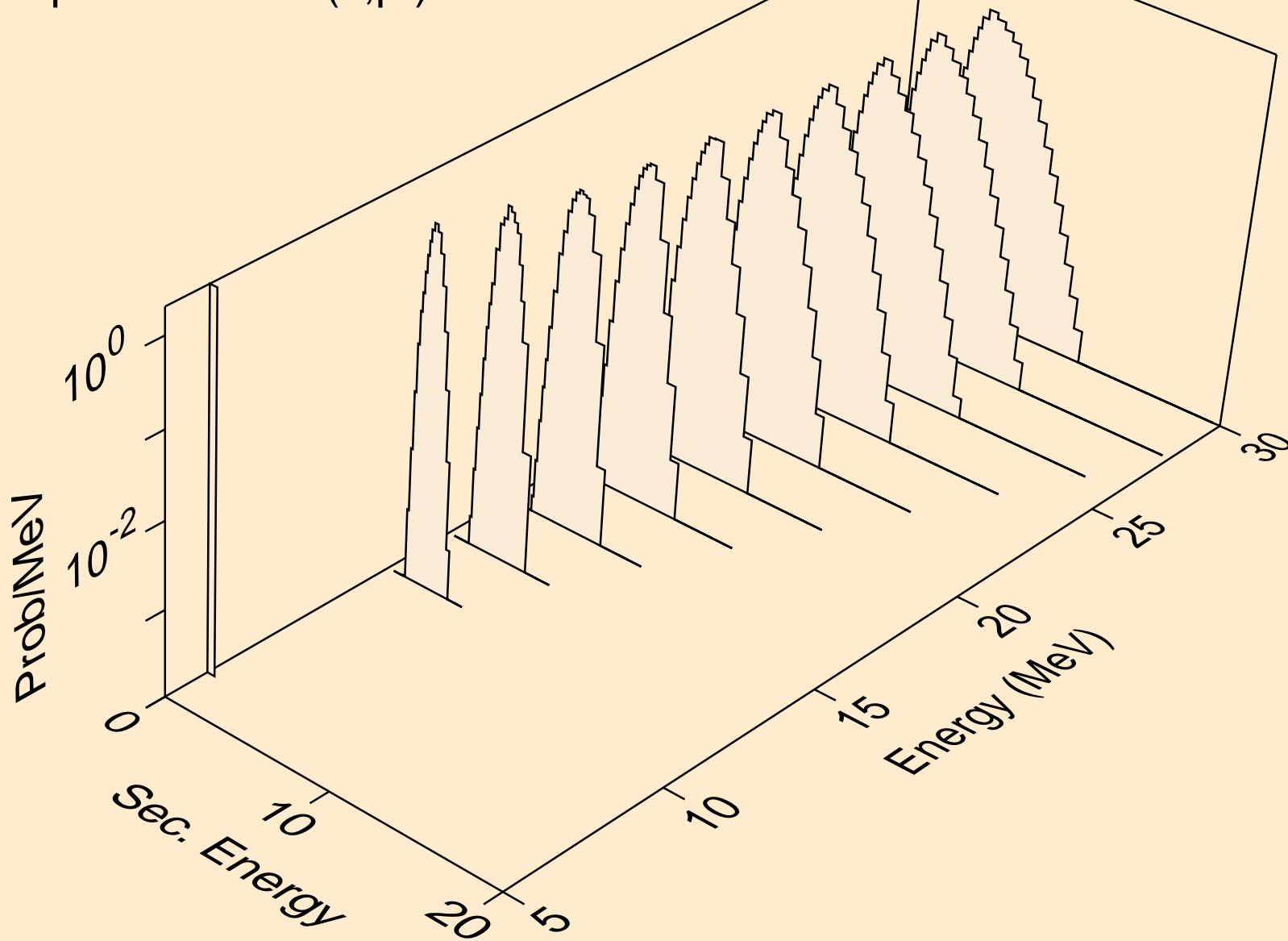
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protons from (s,pa)



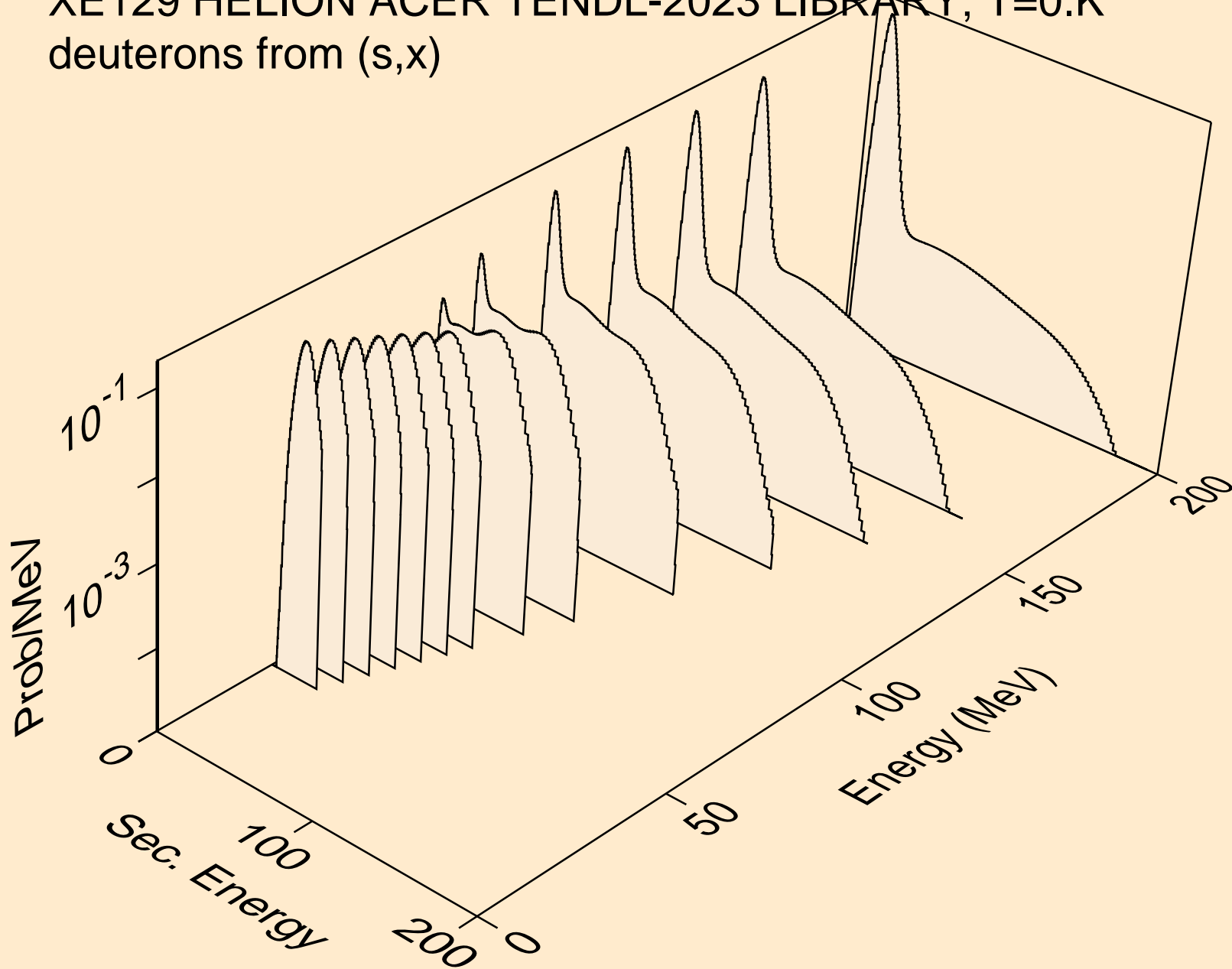
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pd)



XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pt)

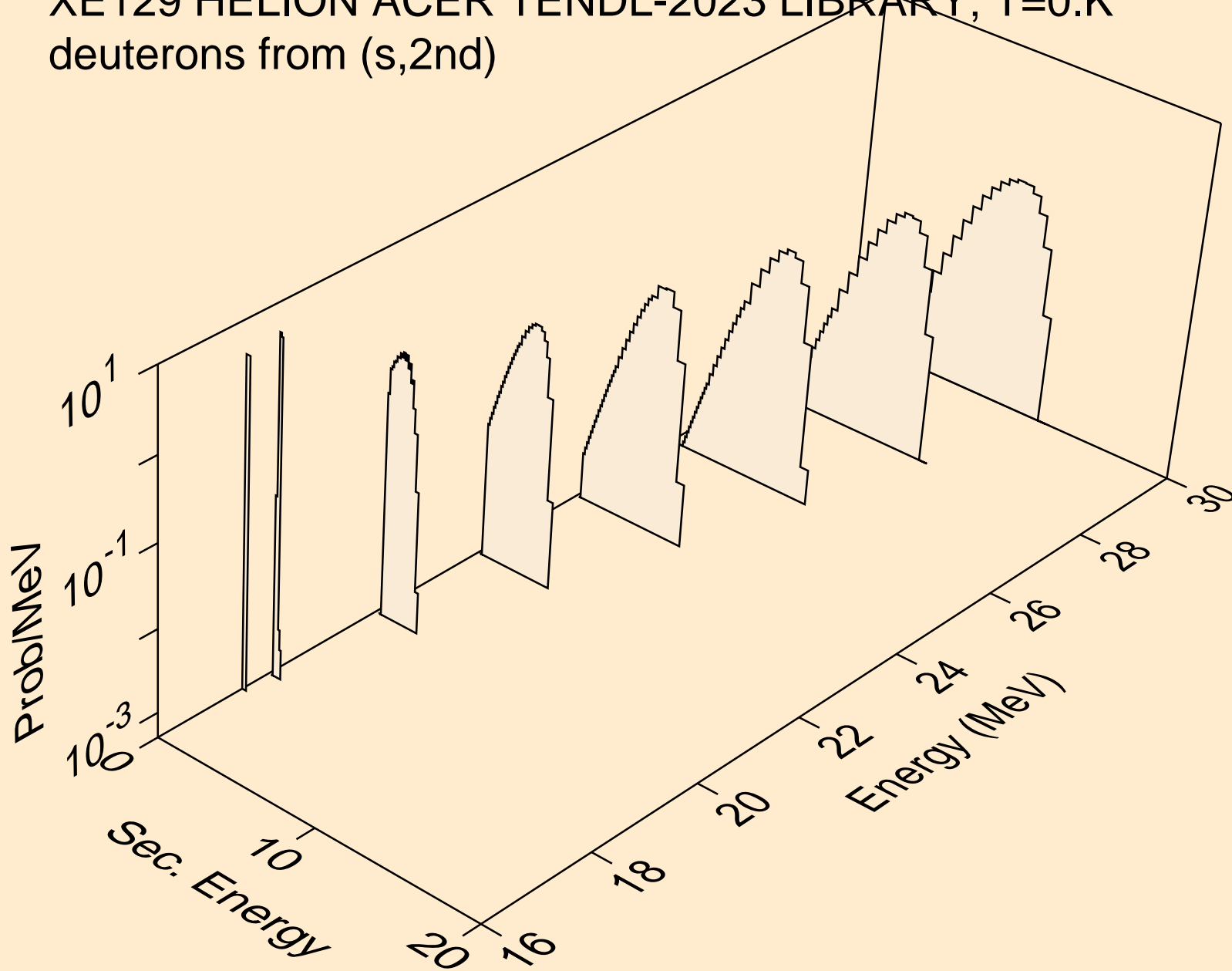


XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,x)

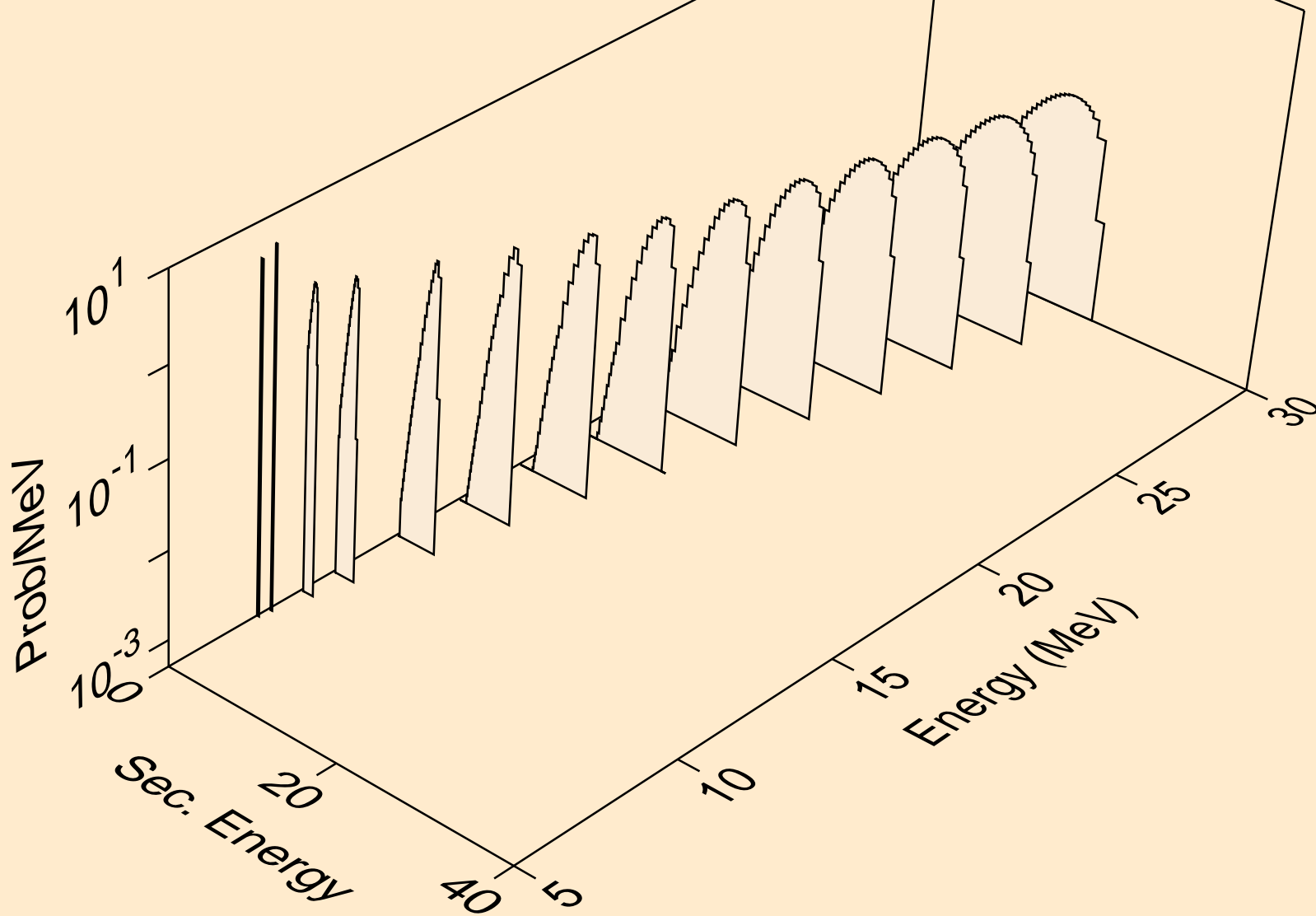




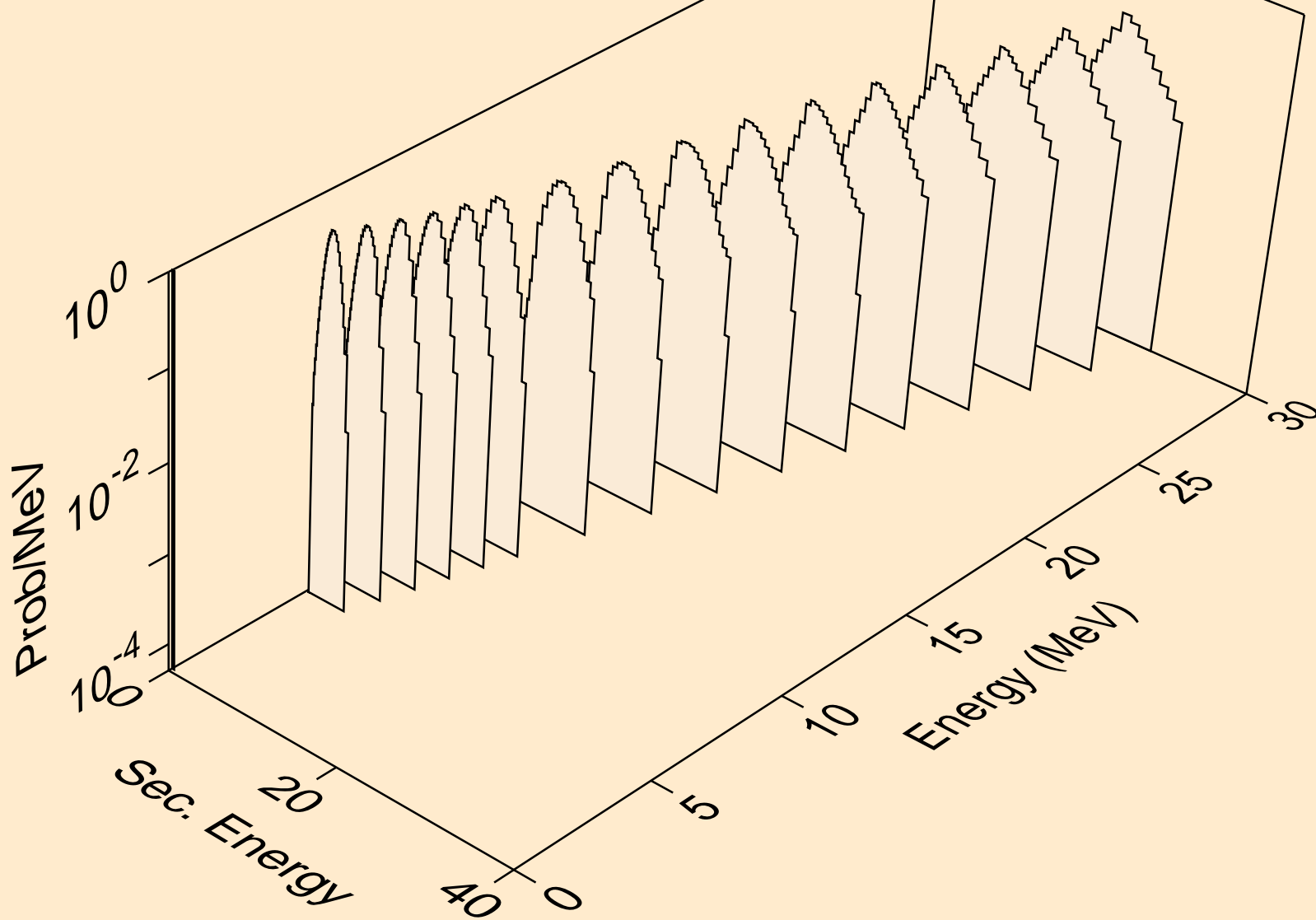
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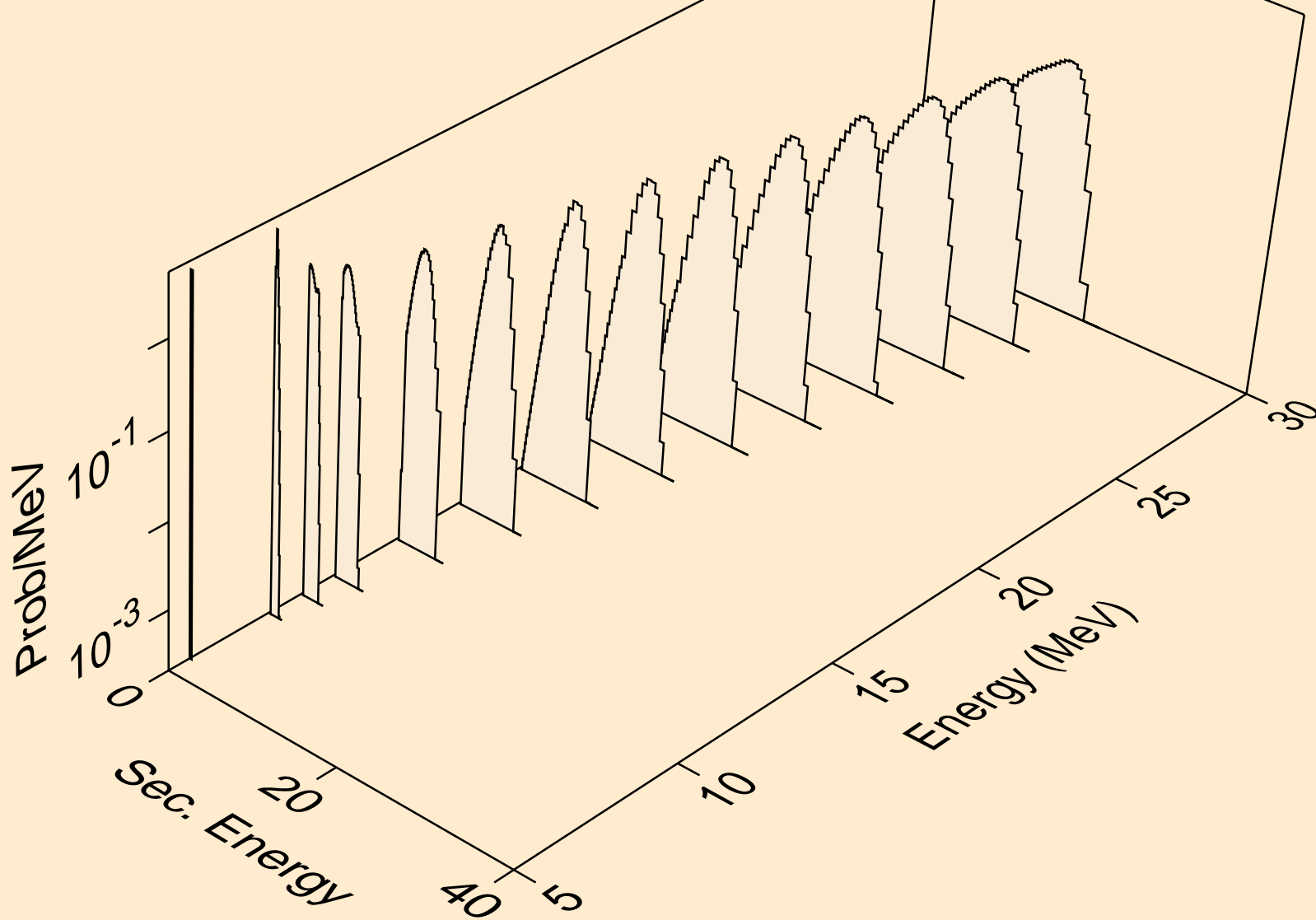
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,n\*)d



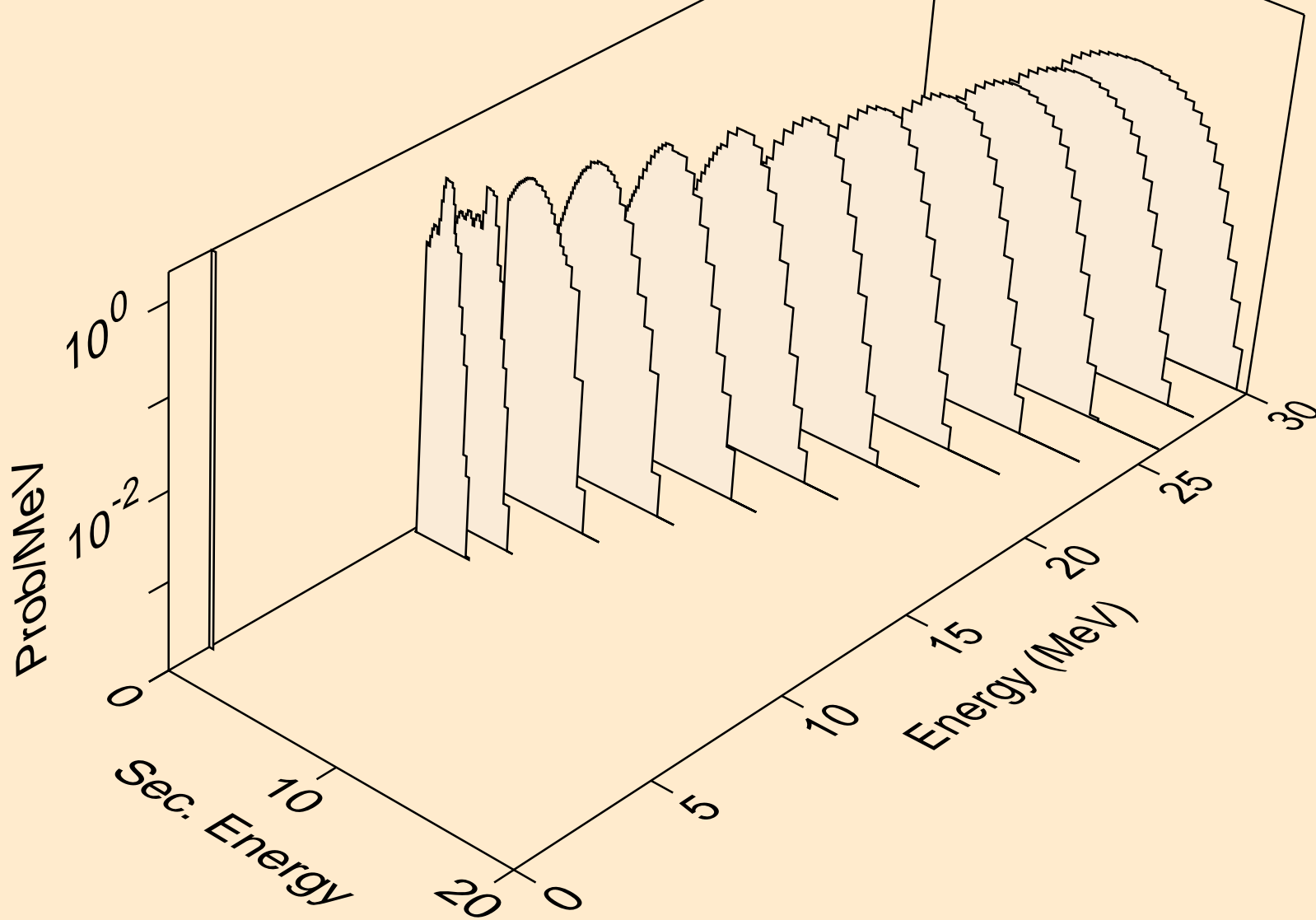
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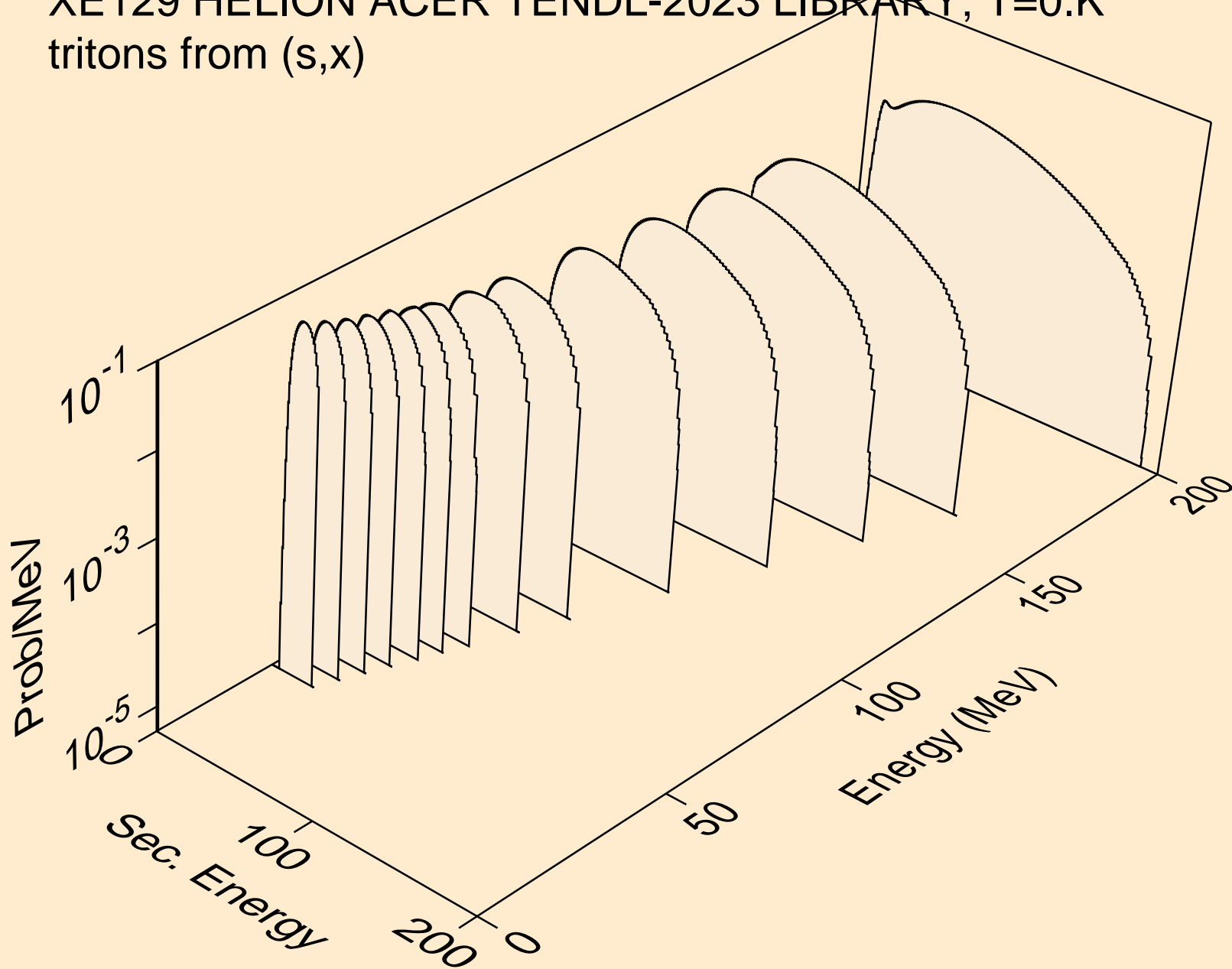
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,pd)



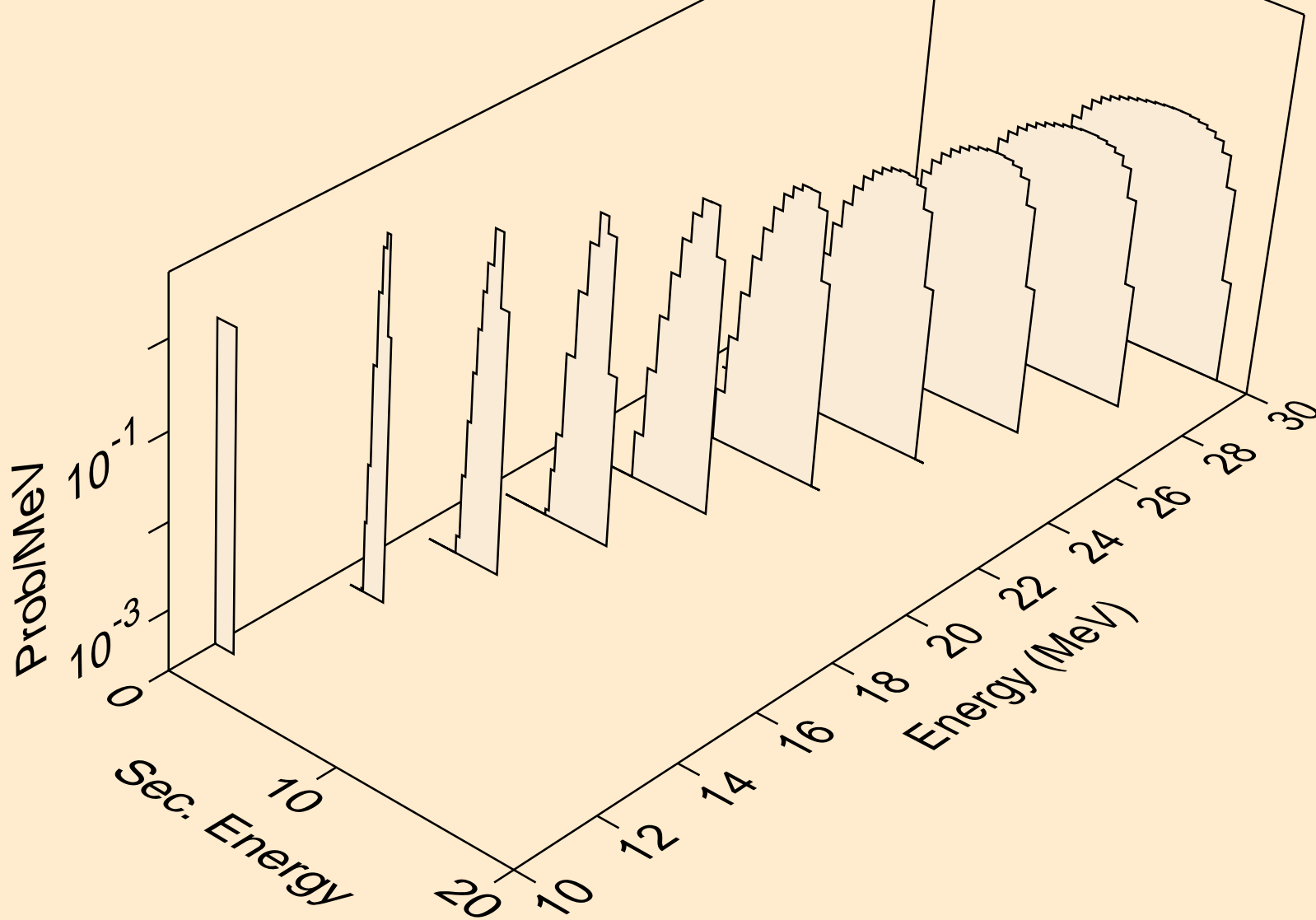
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,da)



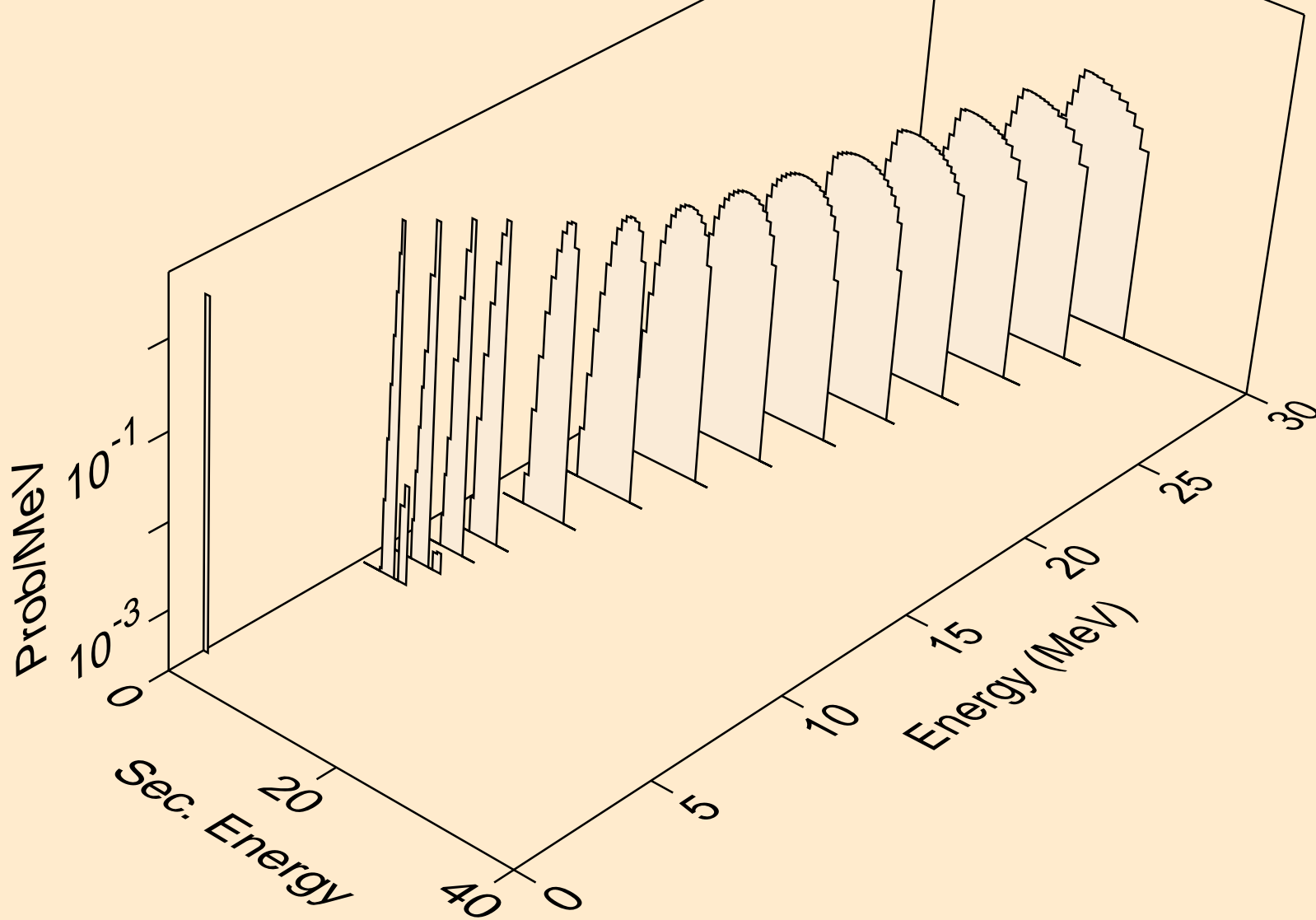
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,x)



XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,n\*)t

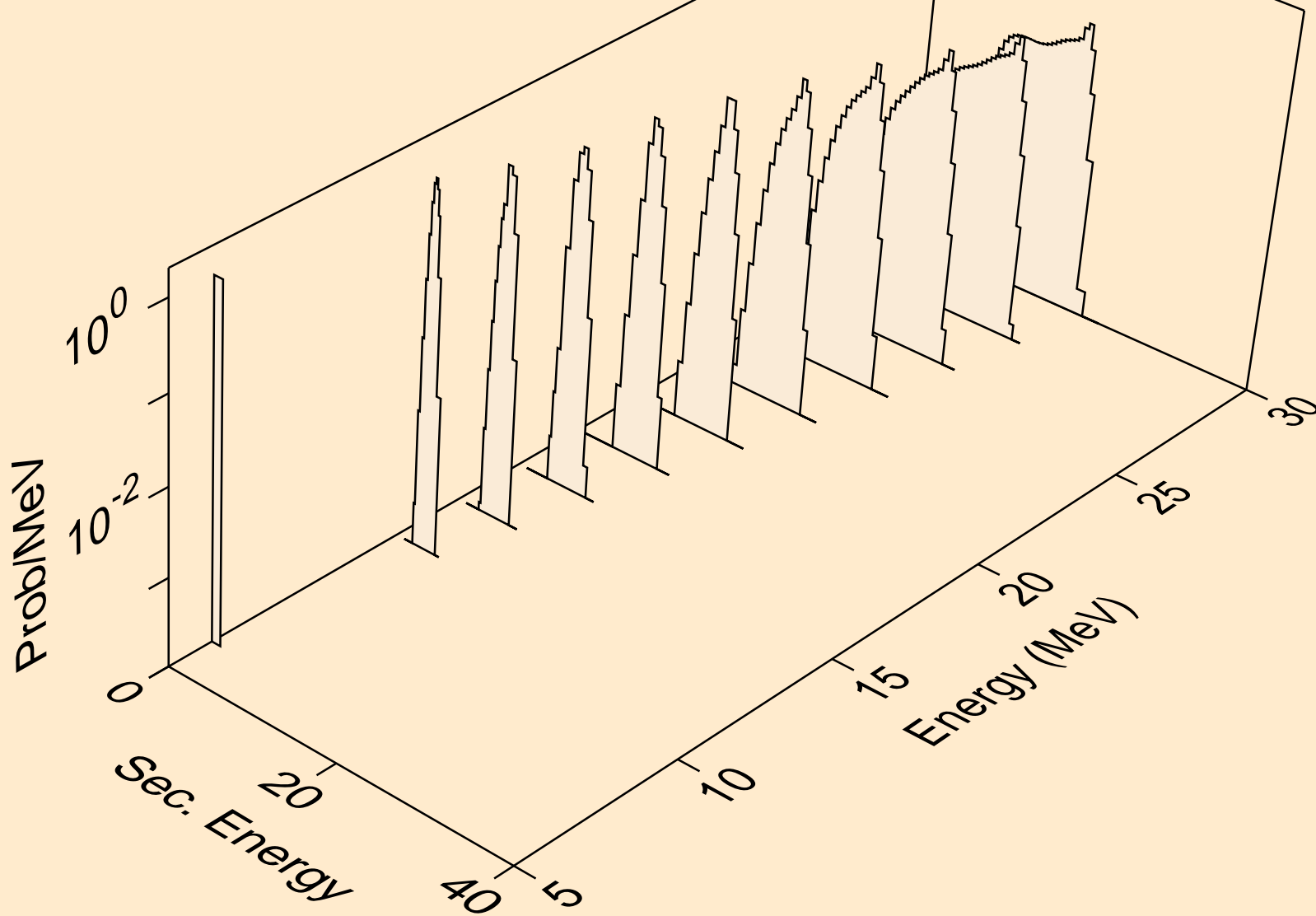


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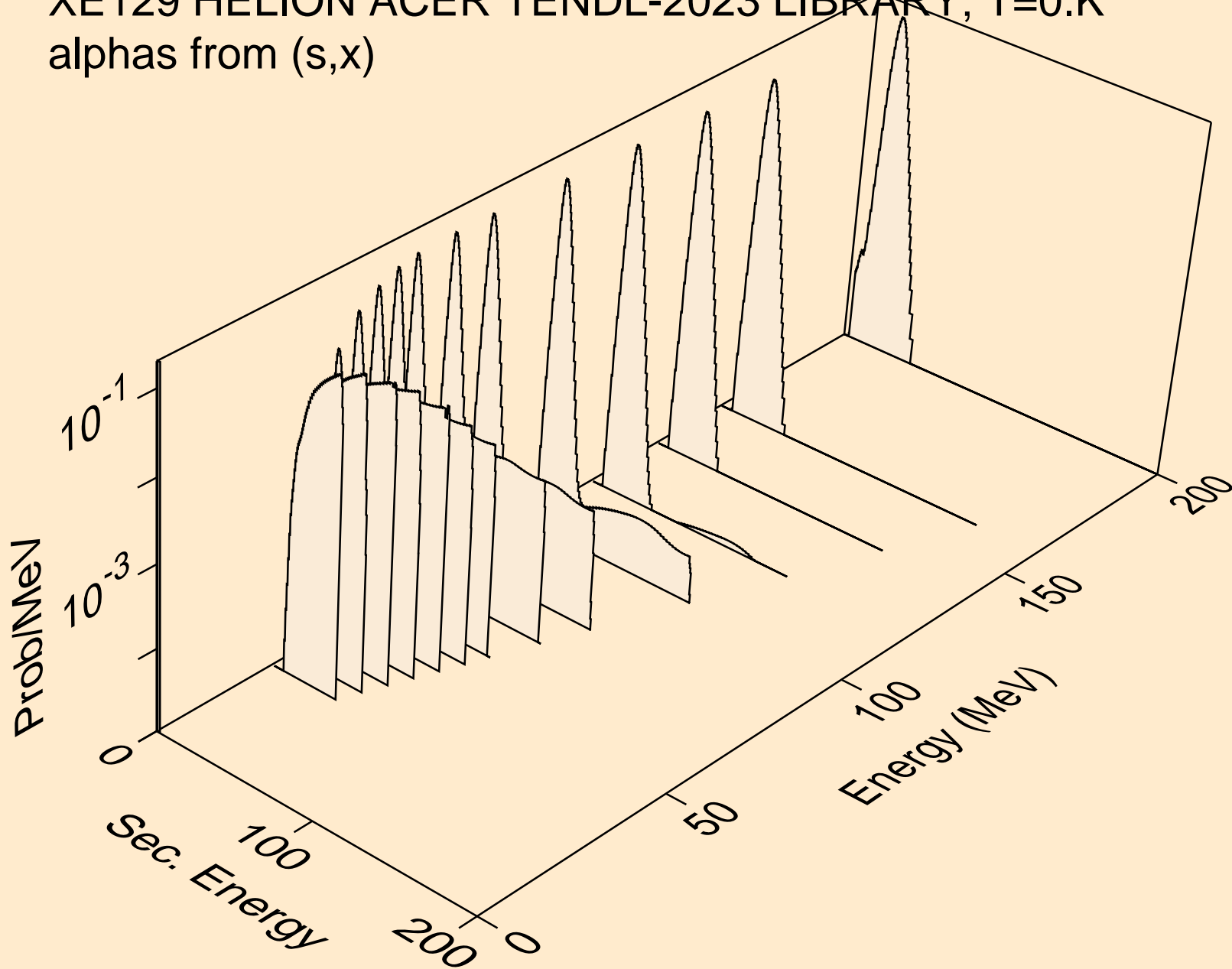




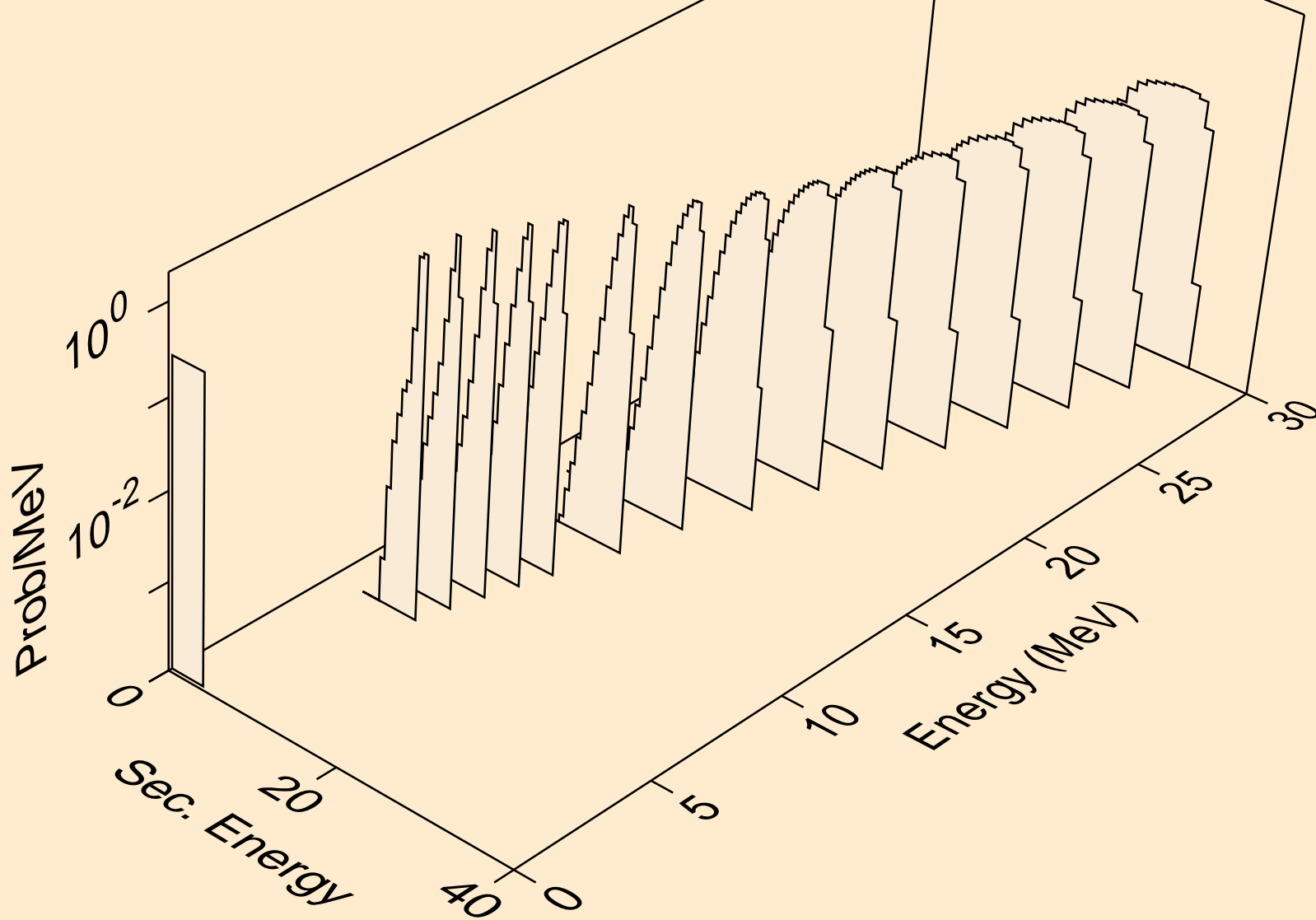
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tritons from (s,pt)



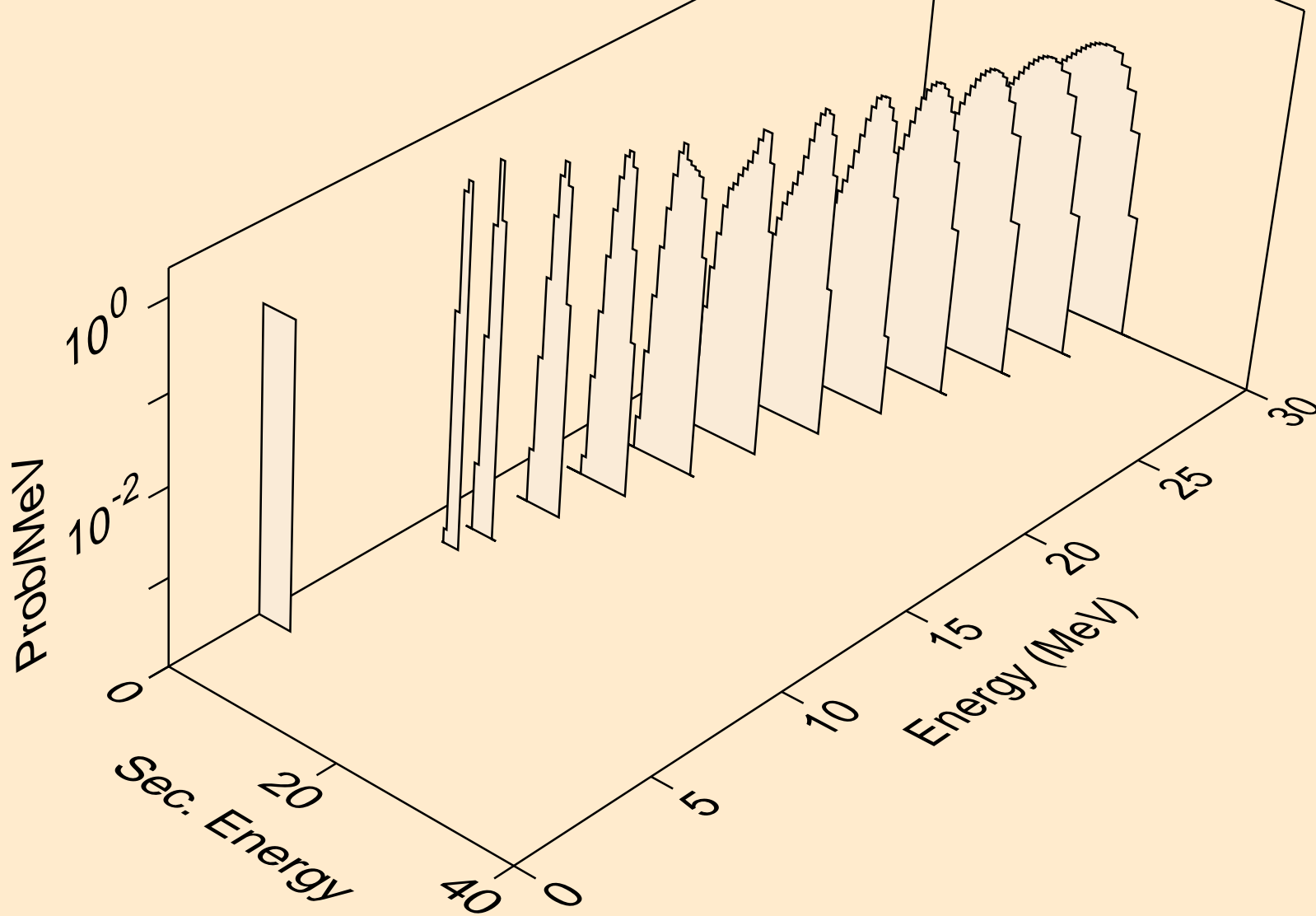
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,x)



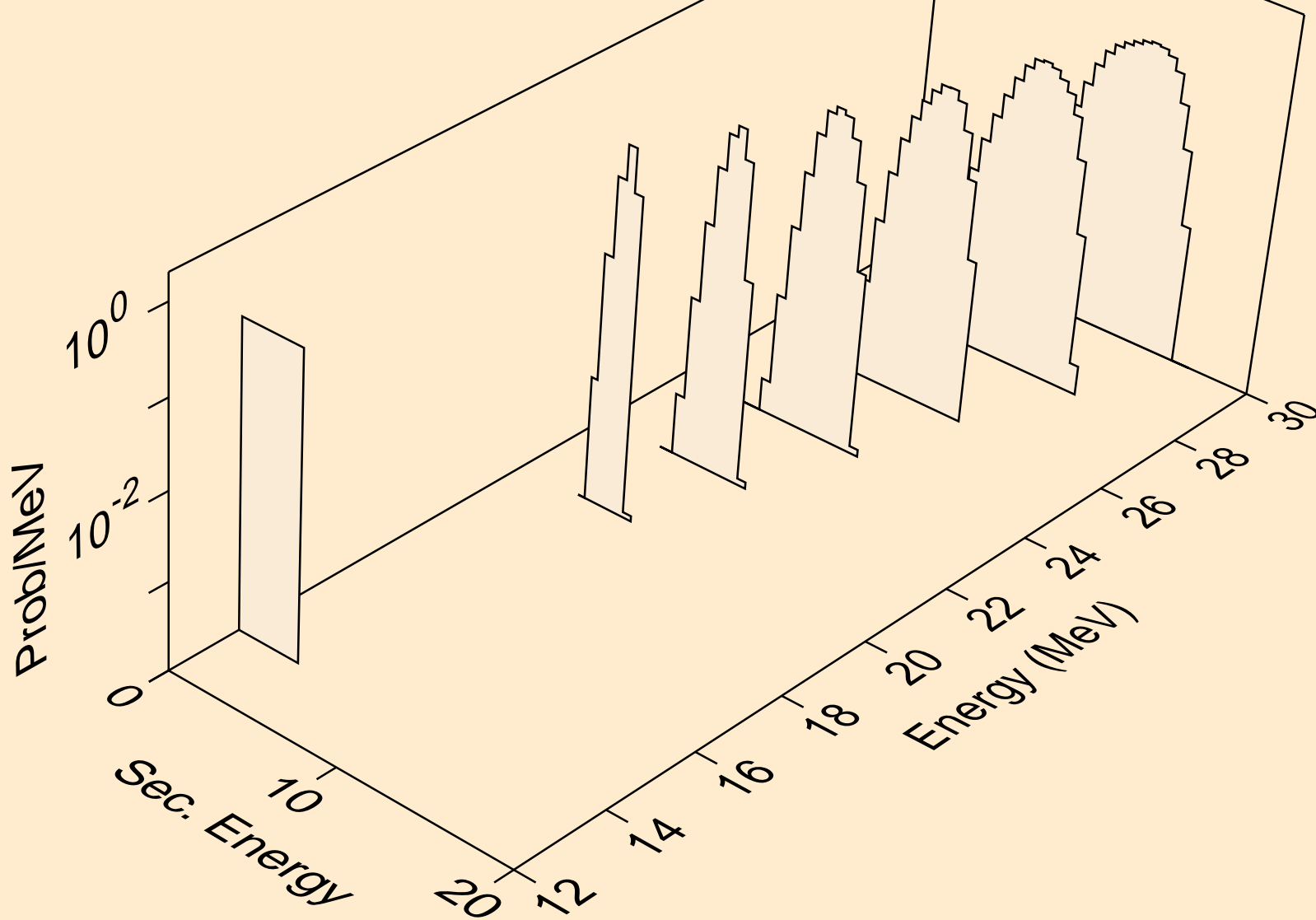
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)a



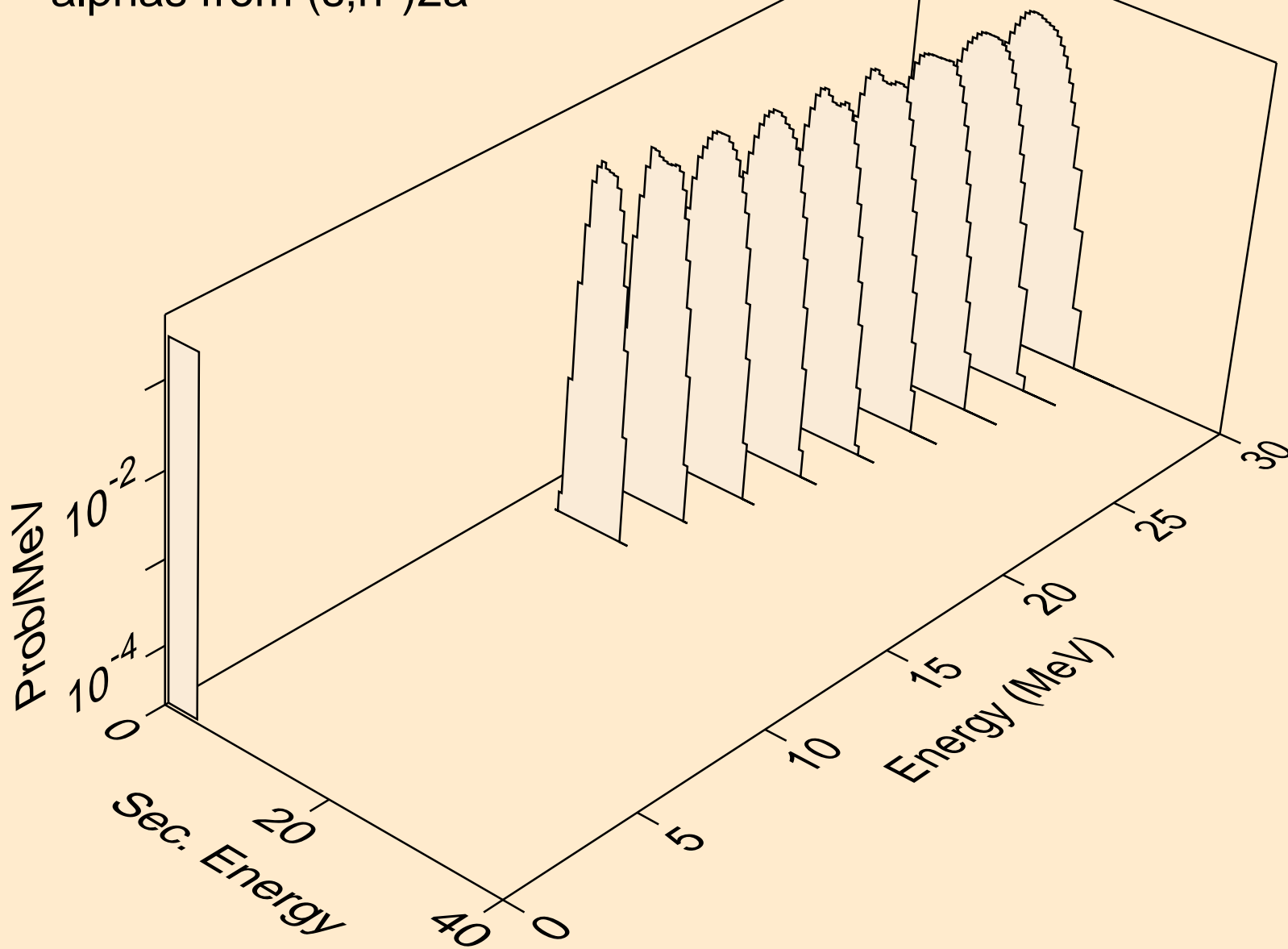
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2n)a



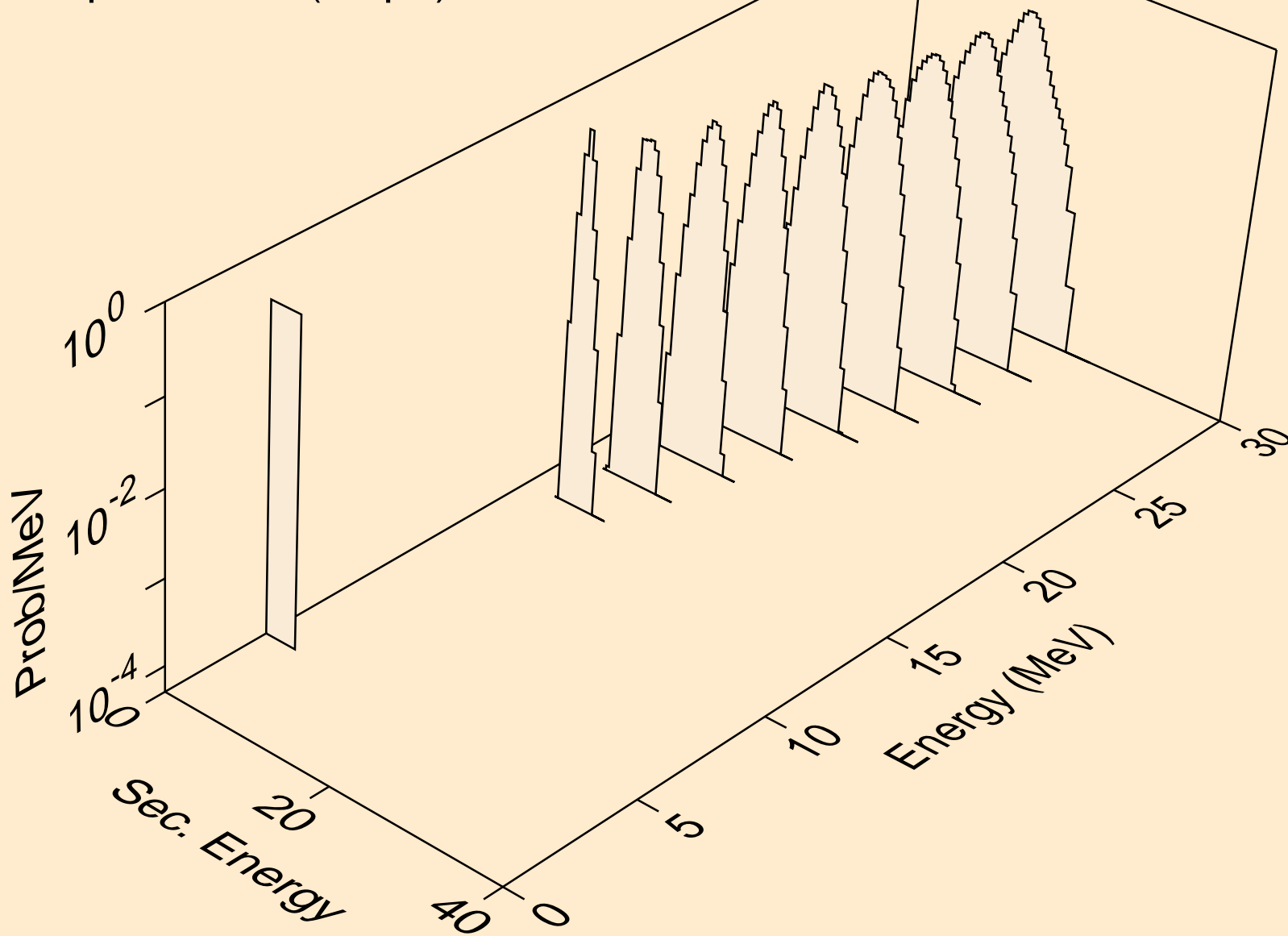
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,3n)a



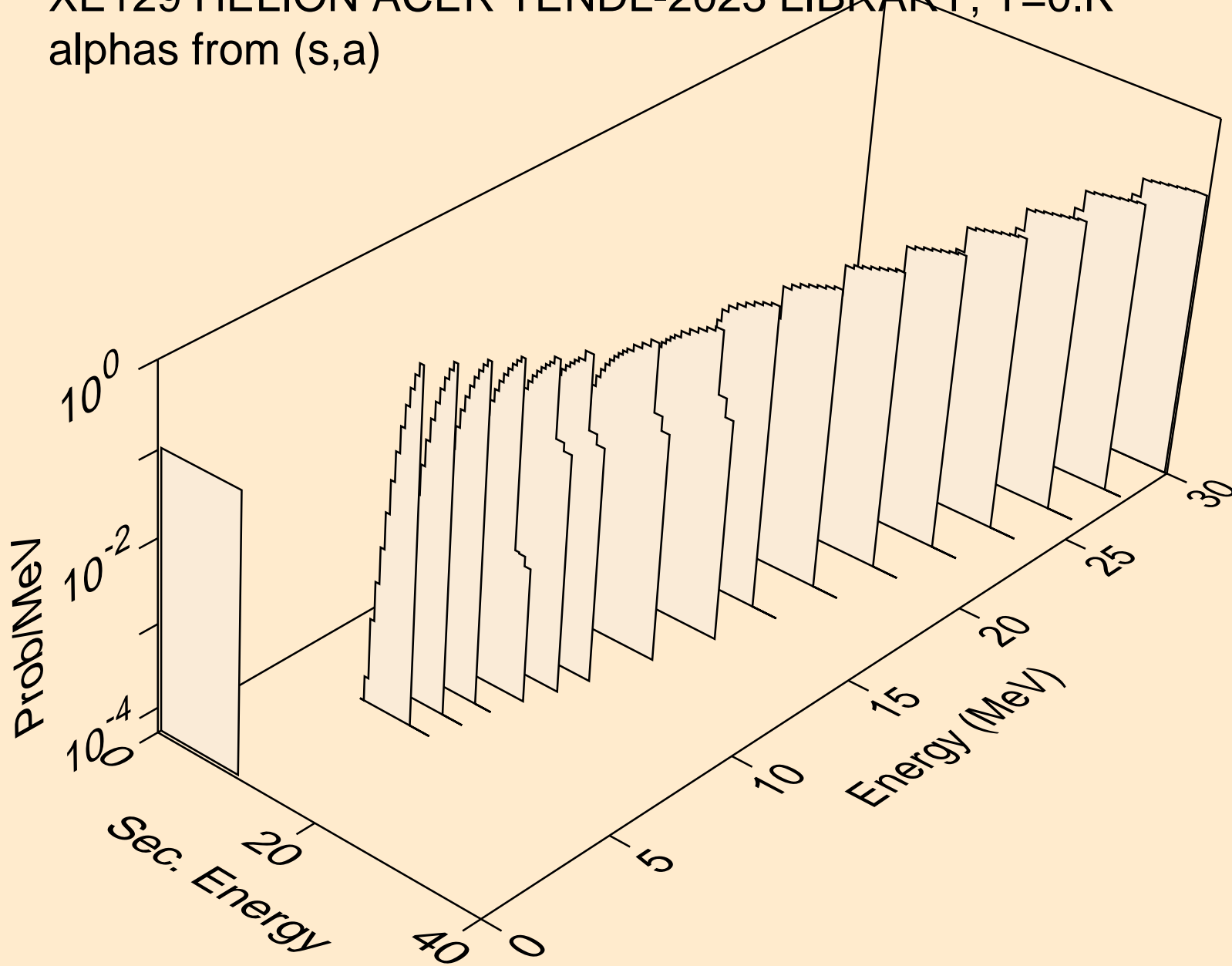
XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)2a



XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,npa)

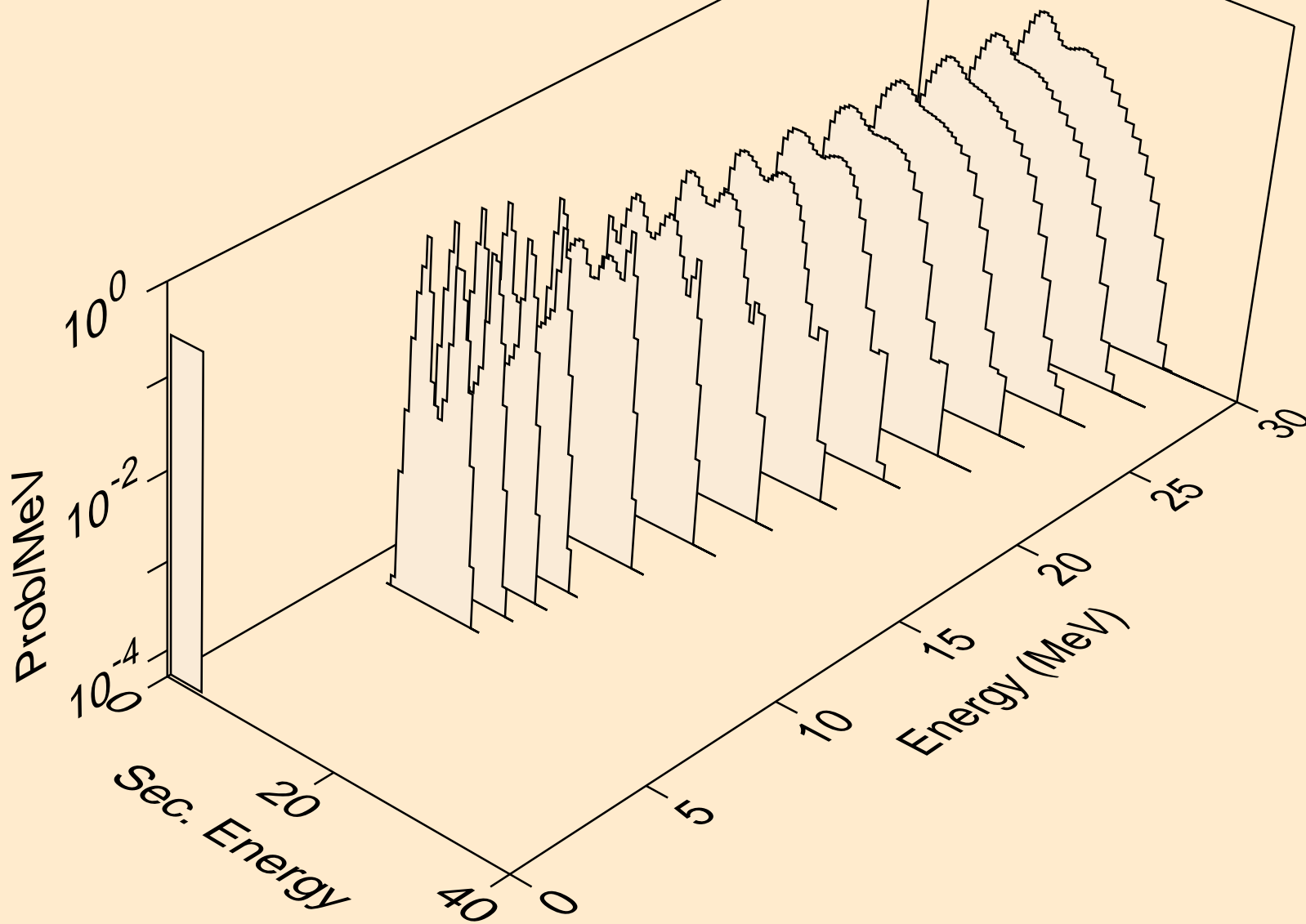


XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,a)

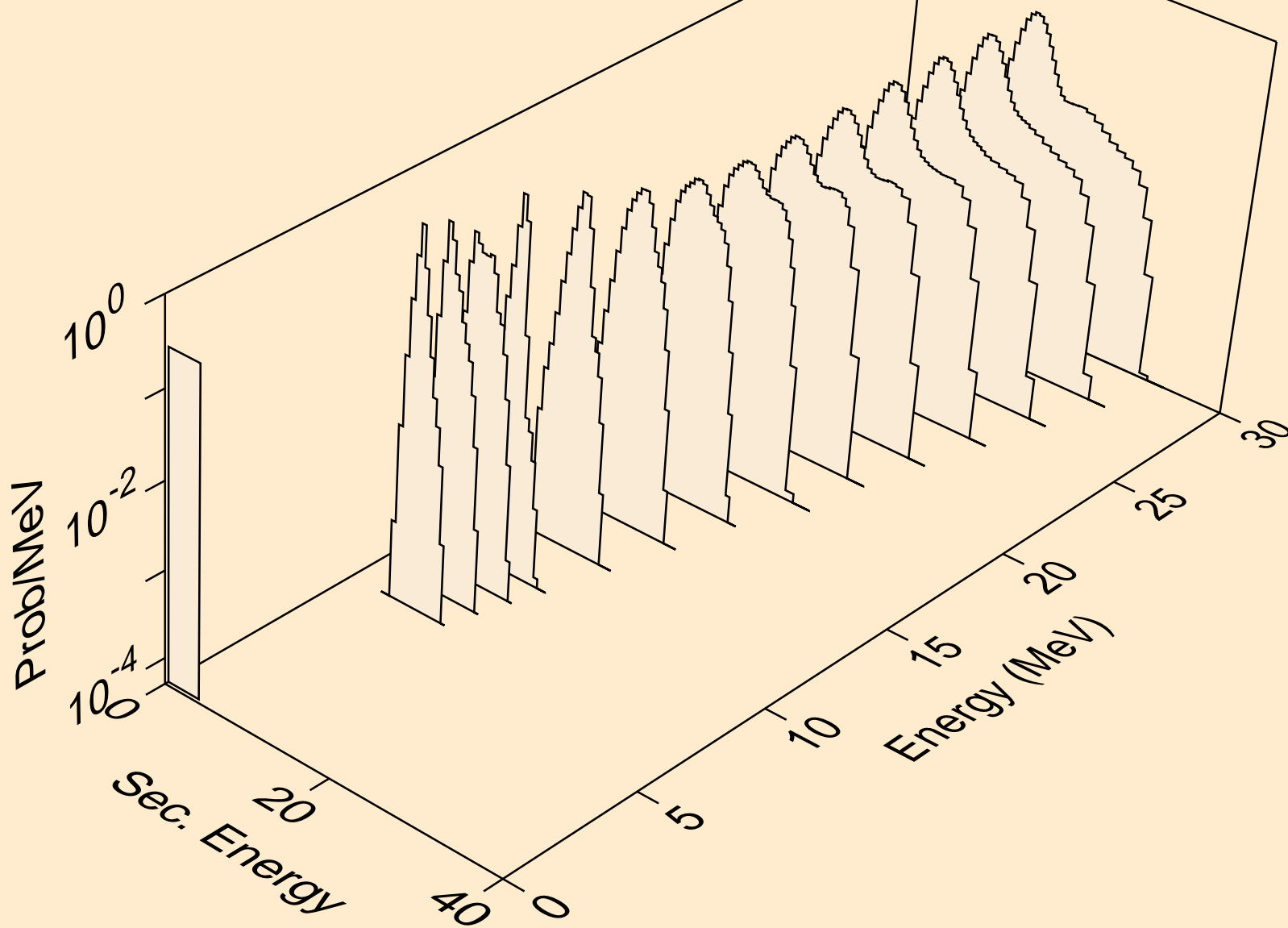




XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)



XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



XE129 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

