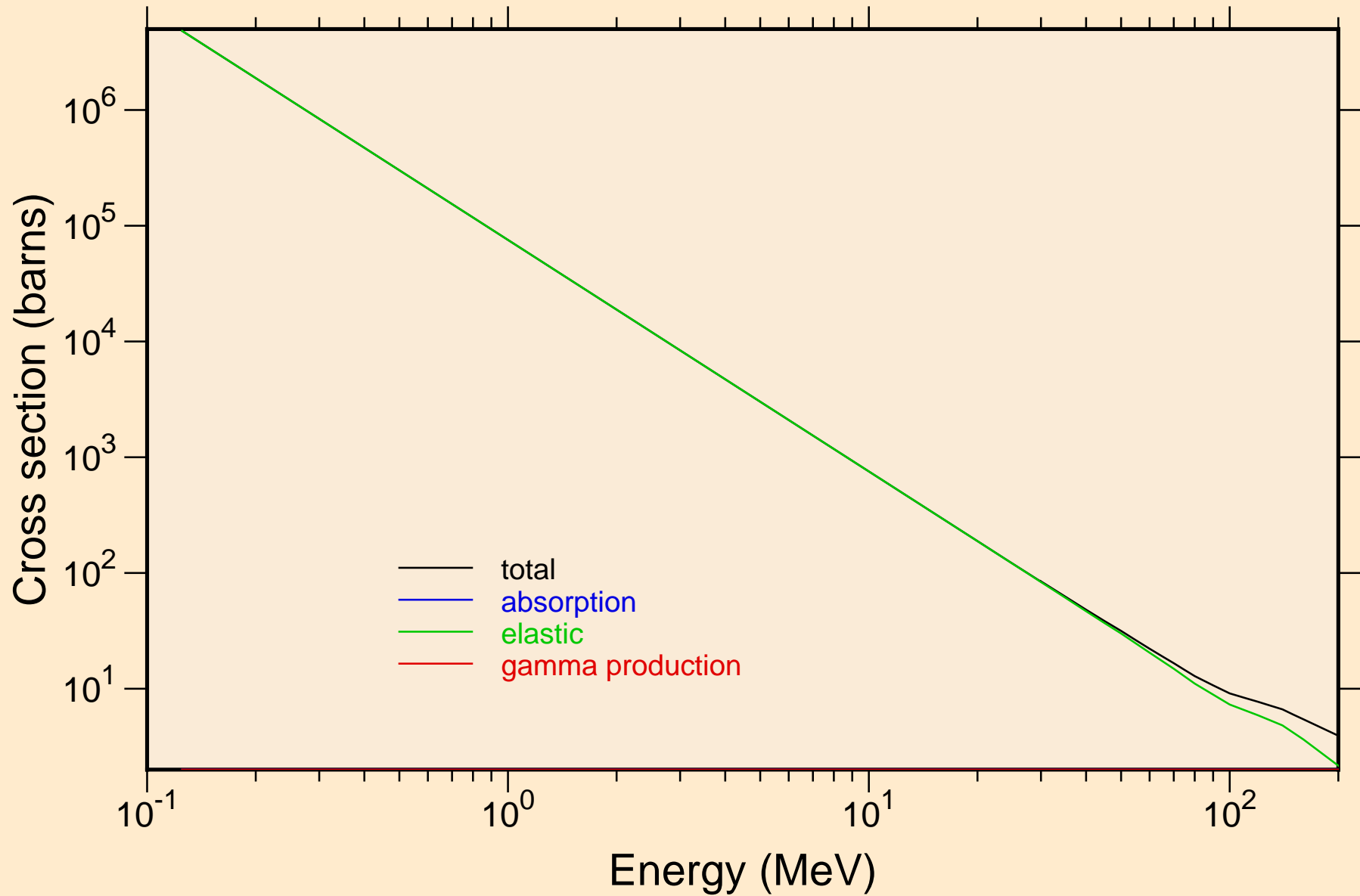
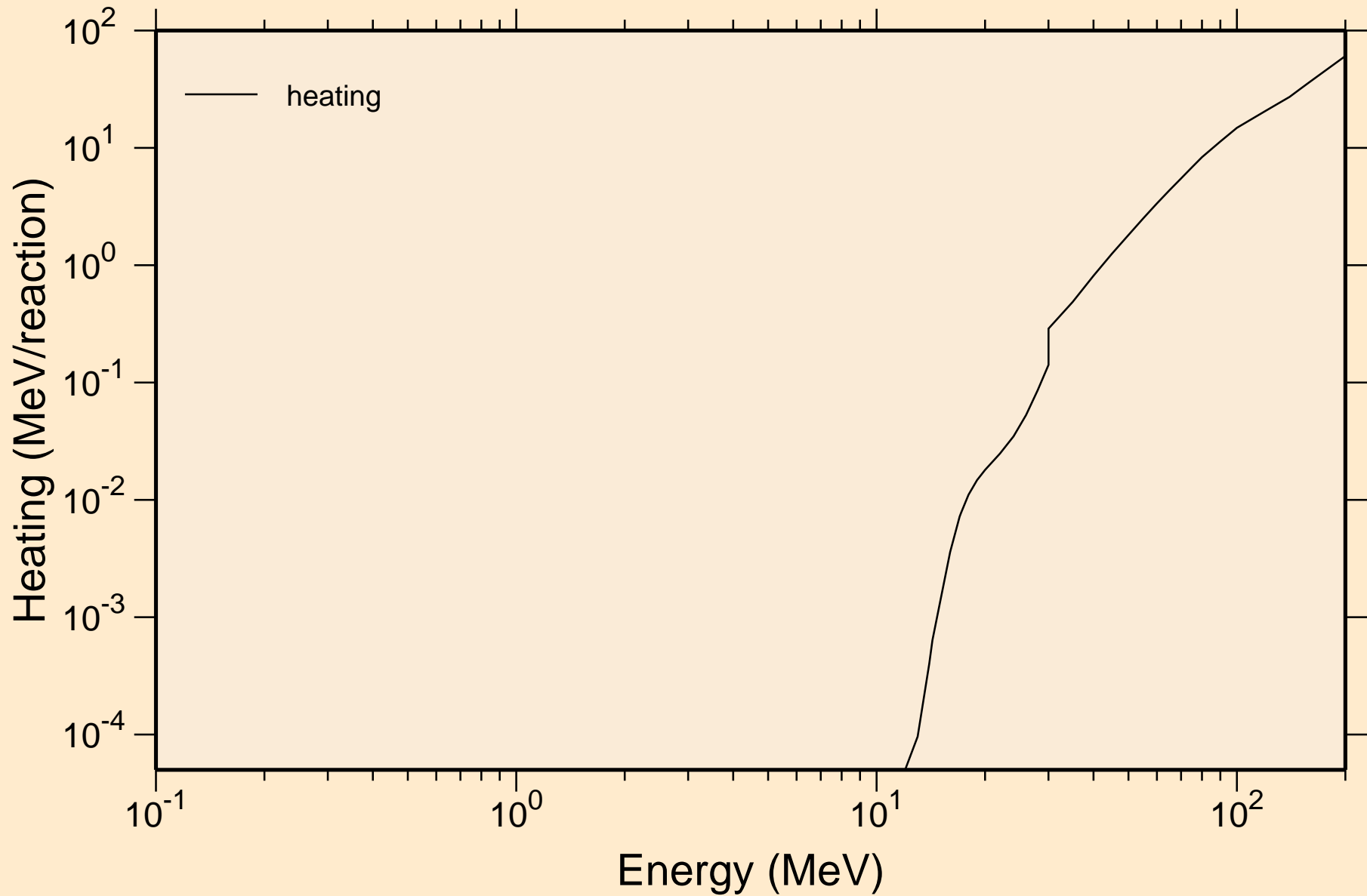


XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Principal cross sections



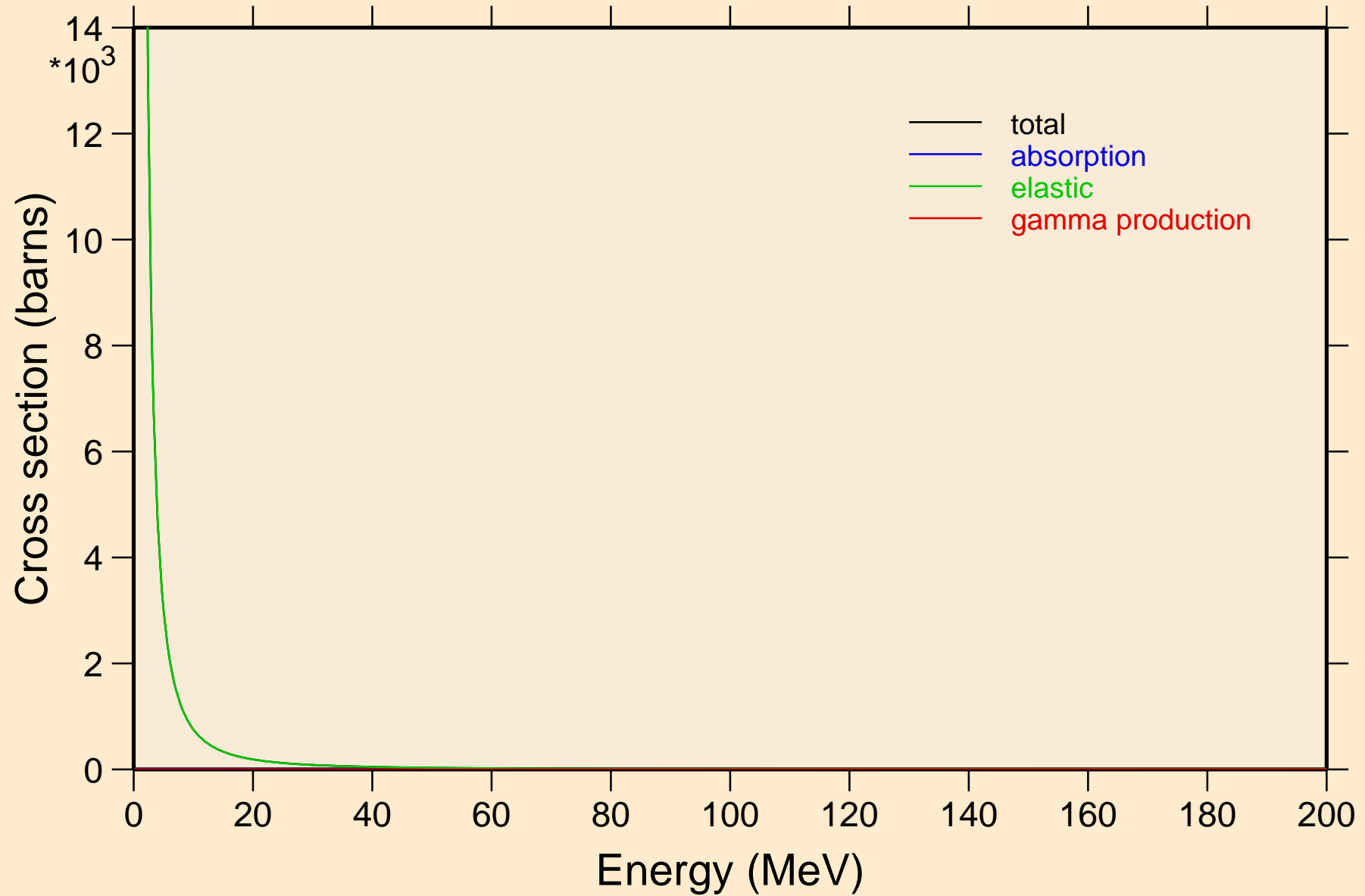
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Heating



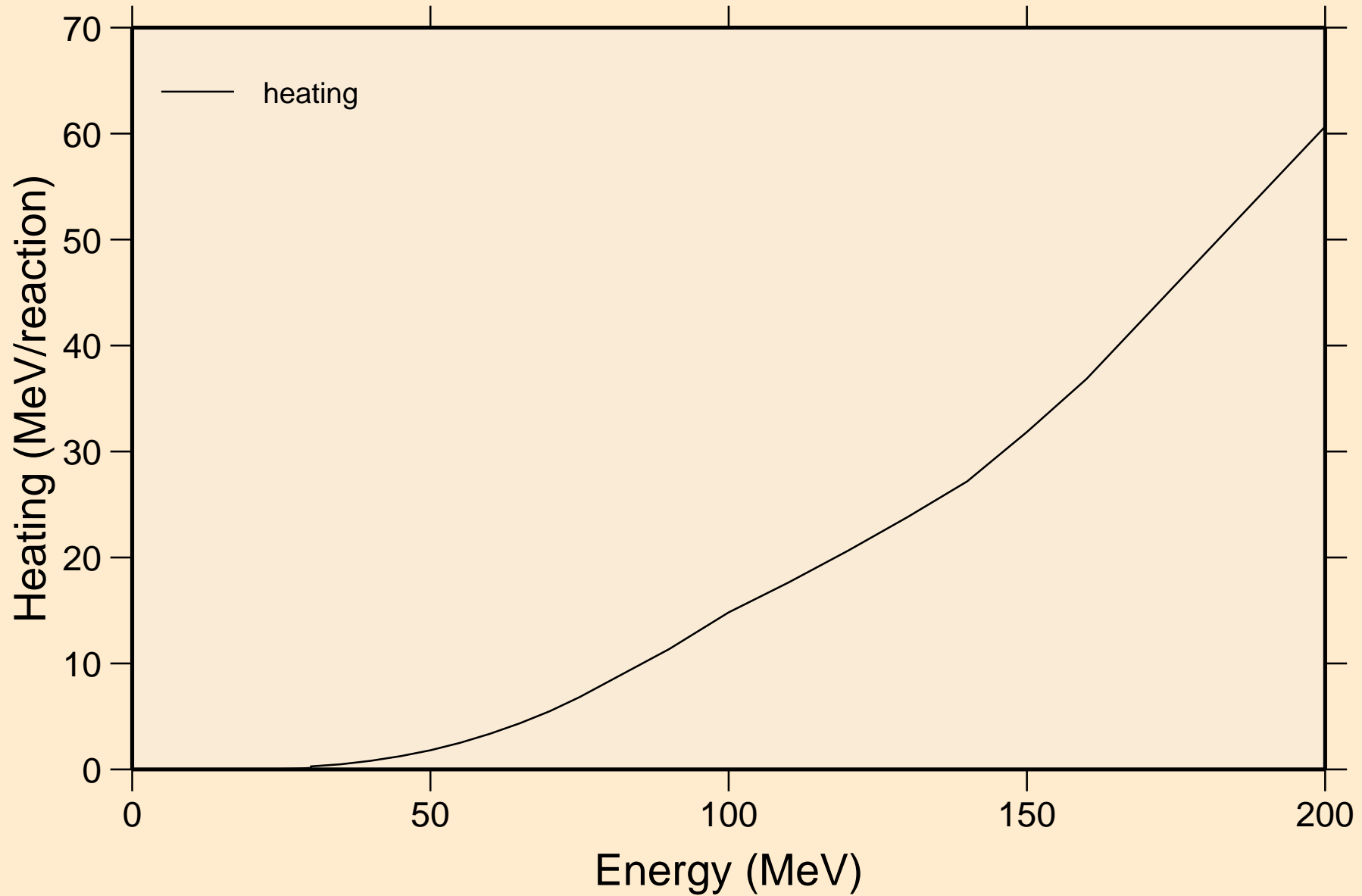
# XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections

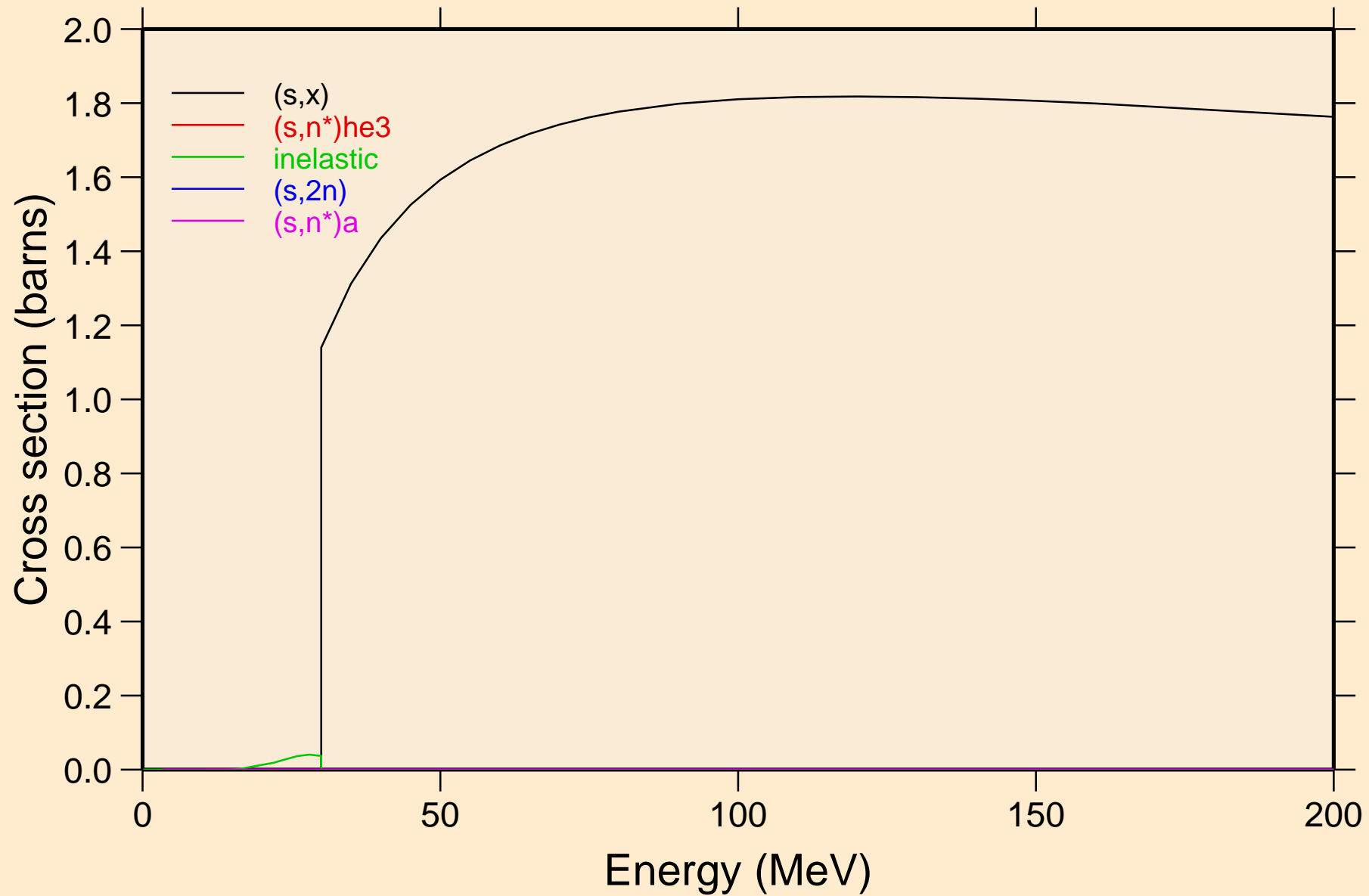


XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K

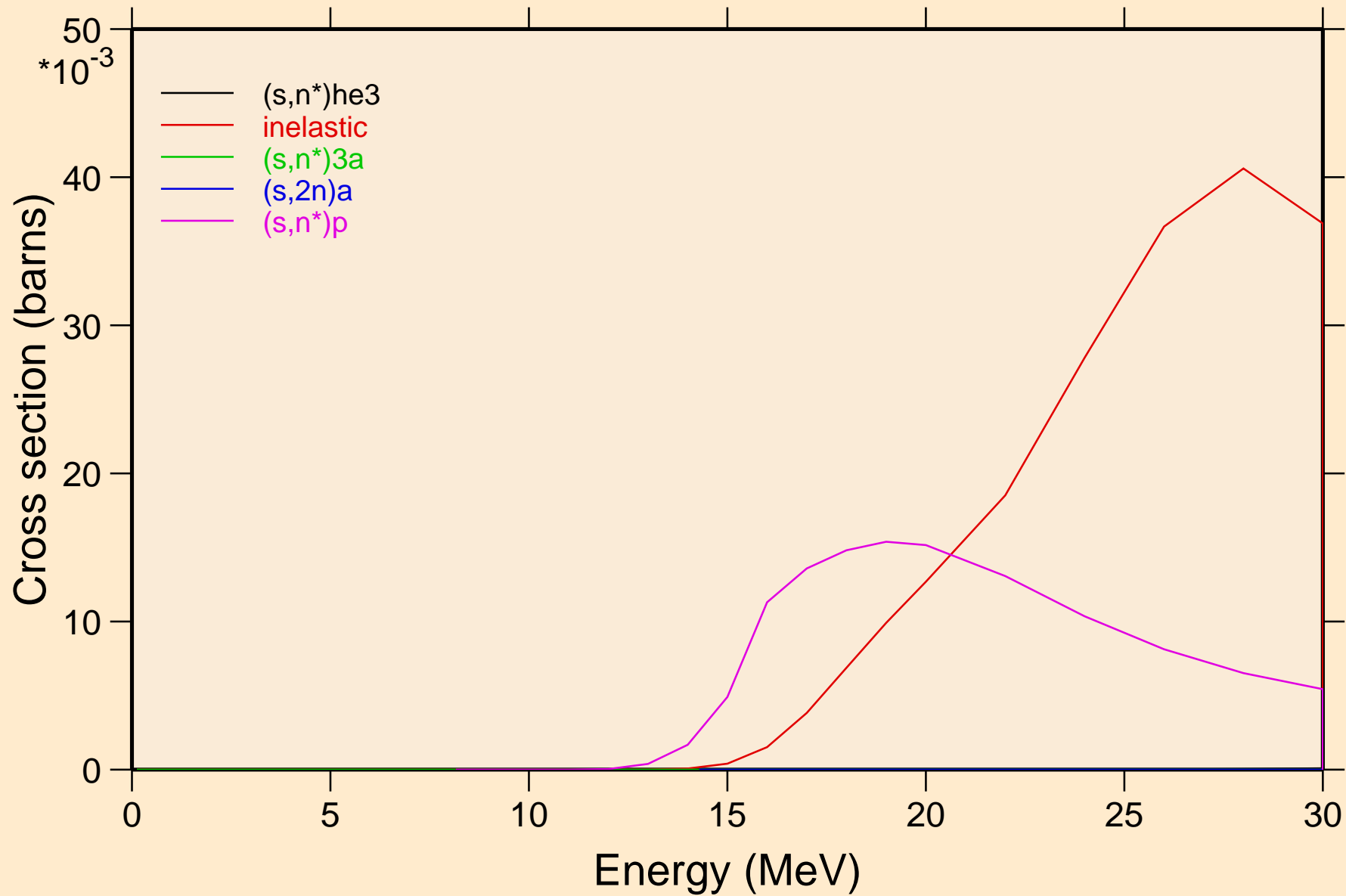
Heating



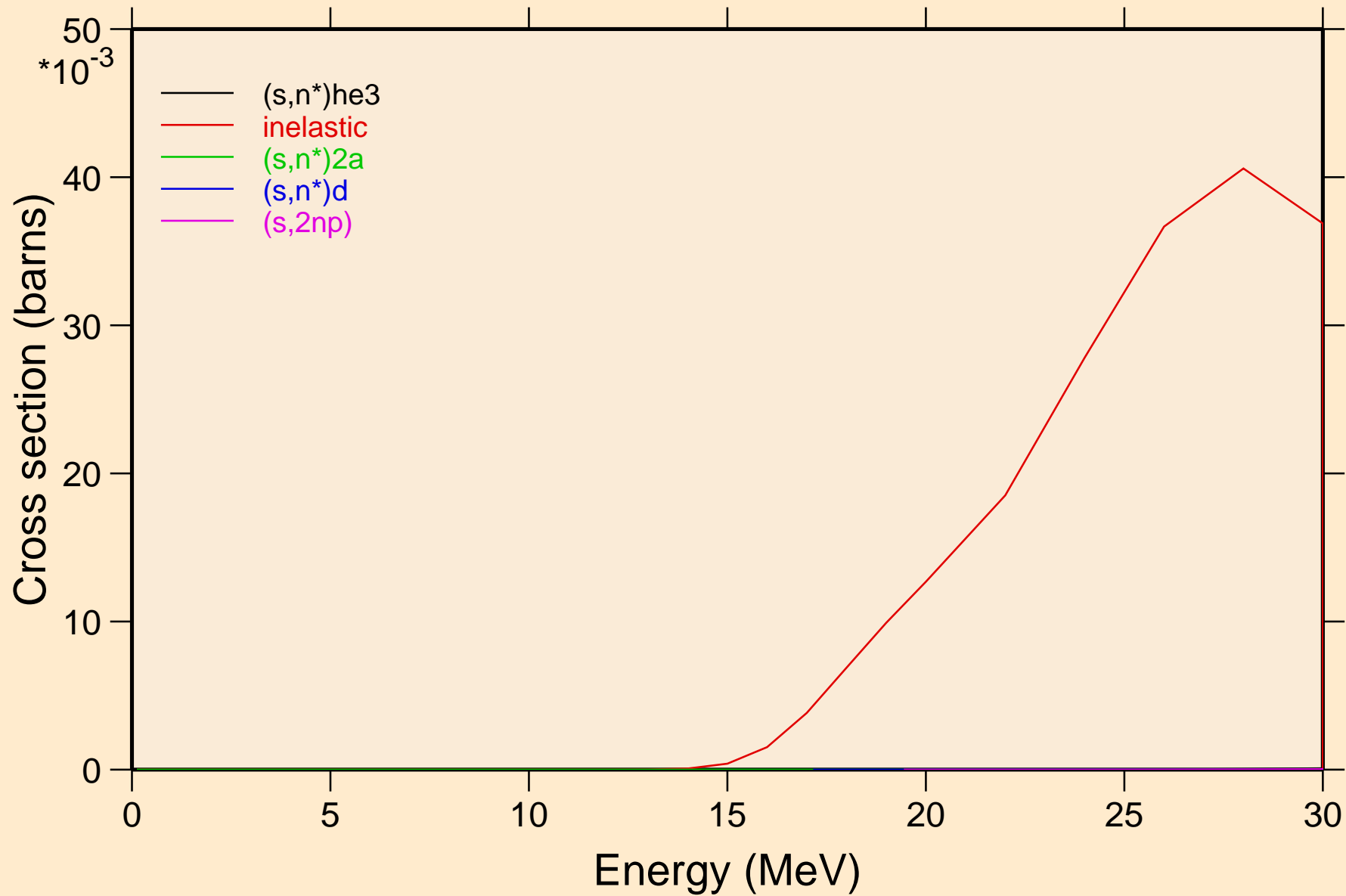
XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



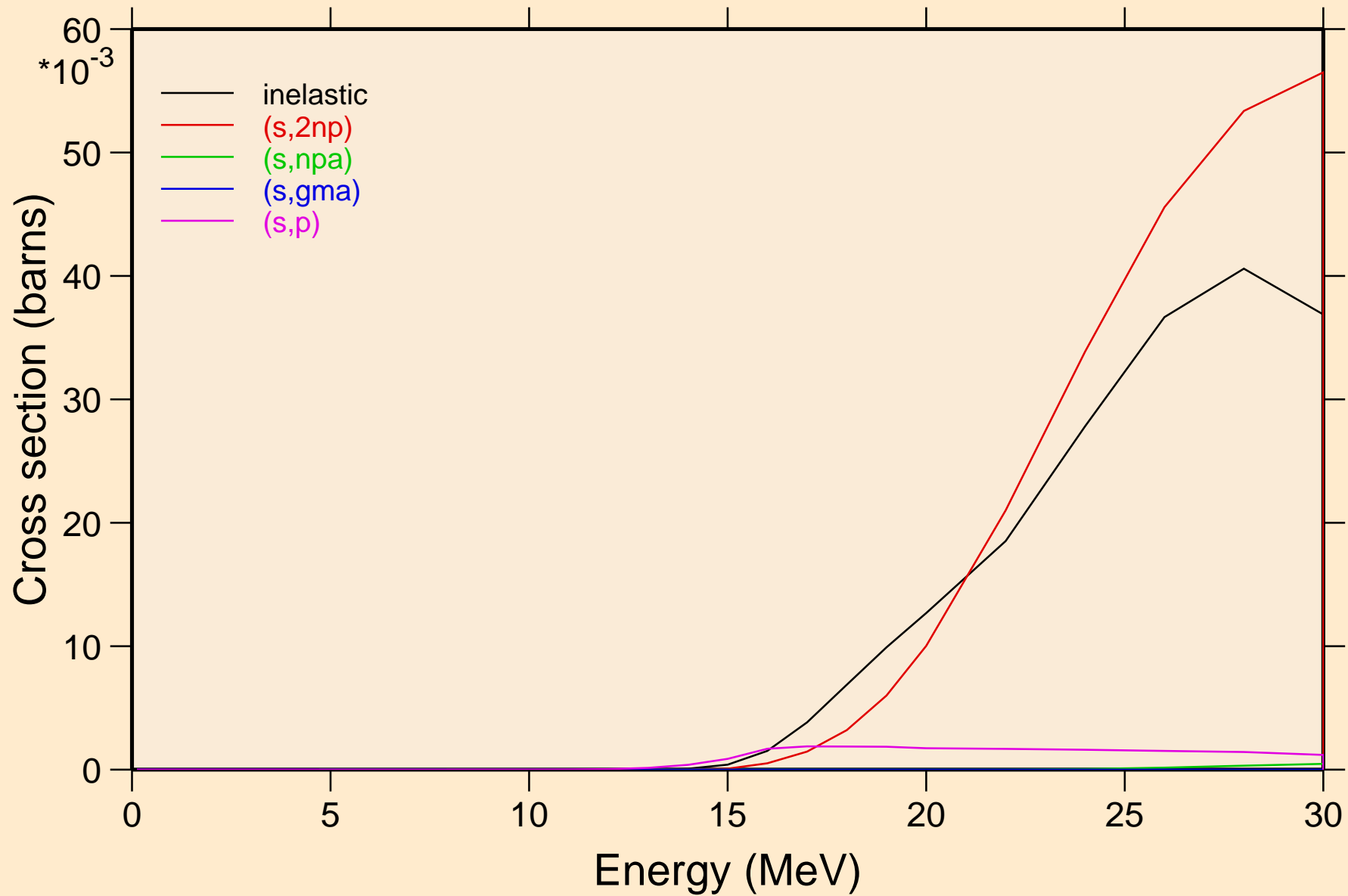
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Threshold reactions



XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

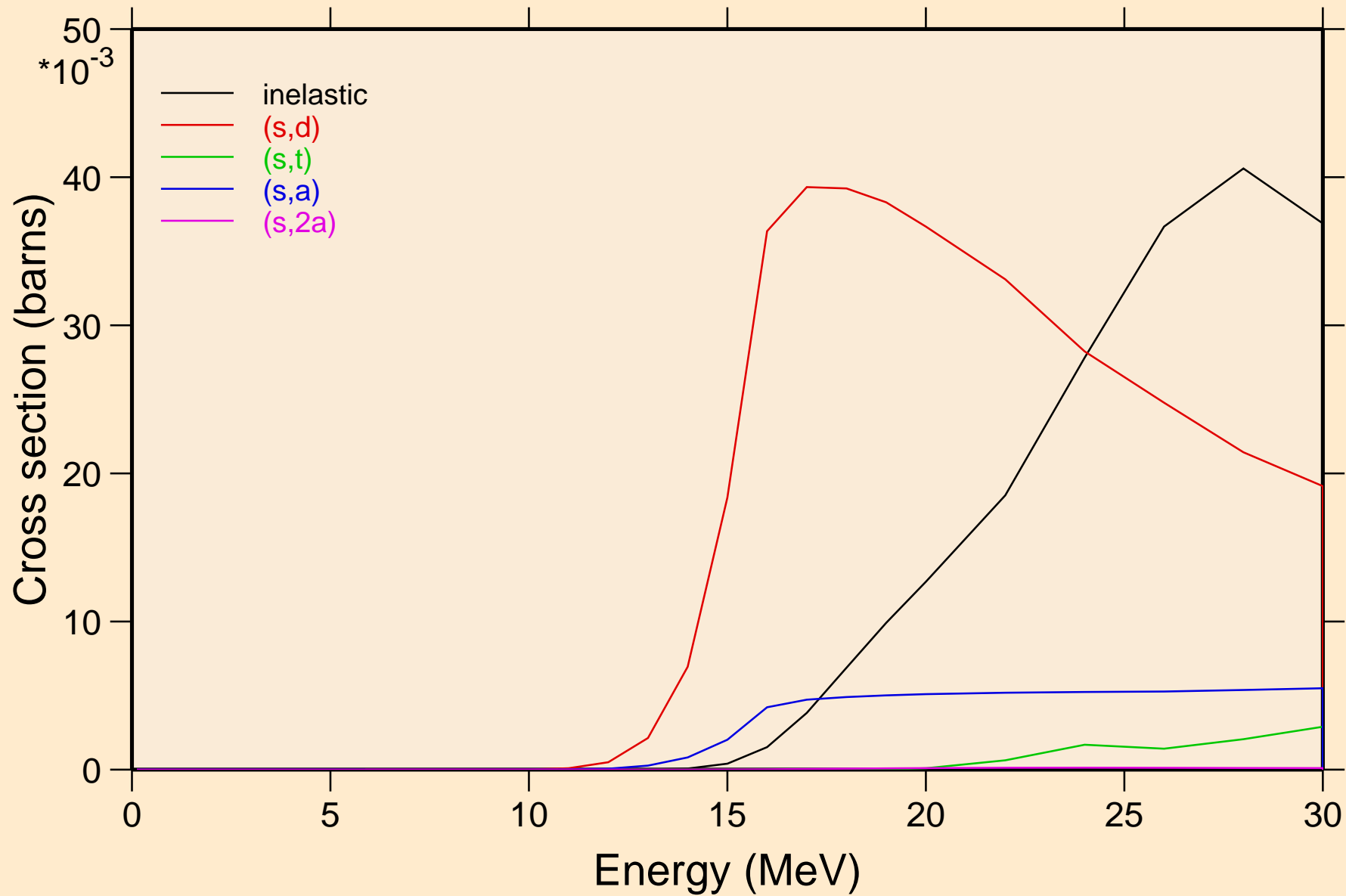


XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

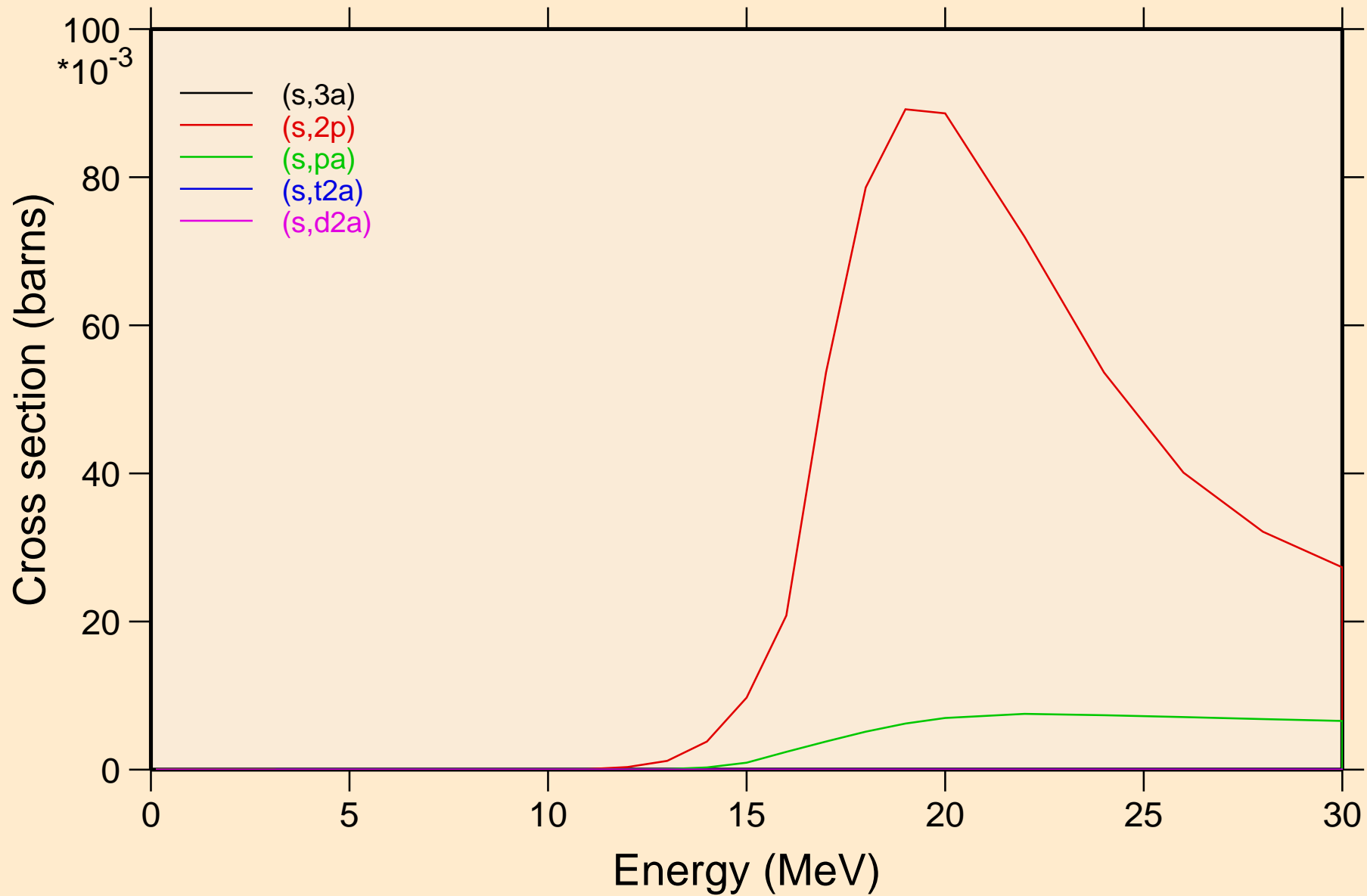




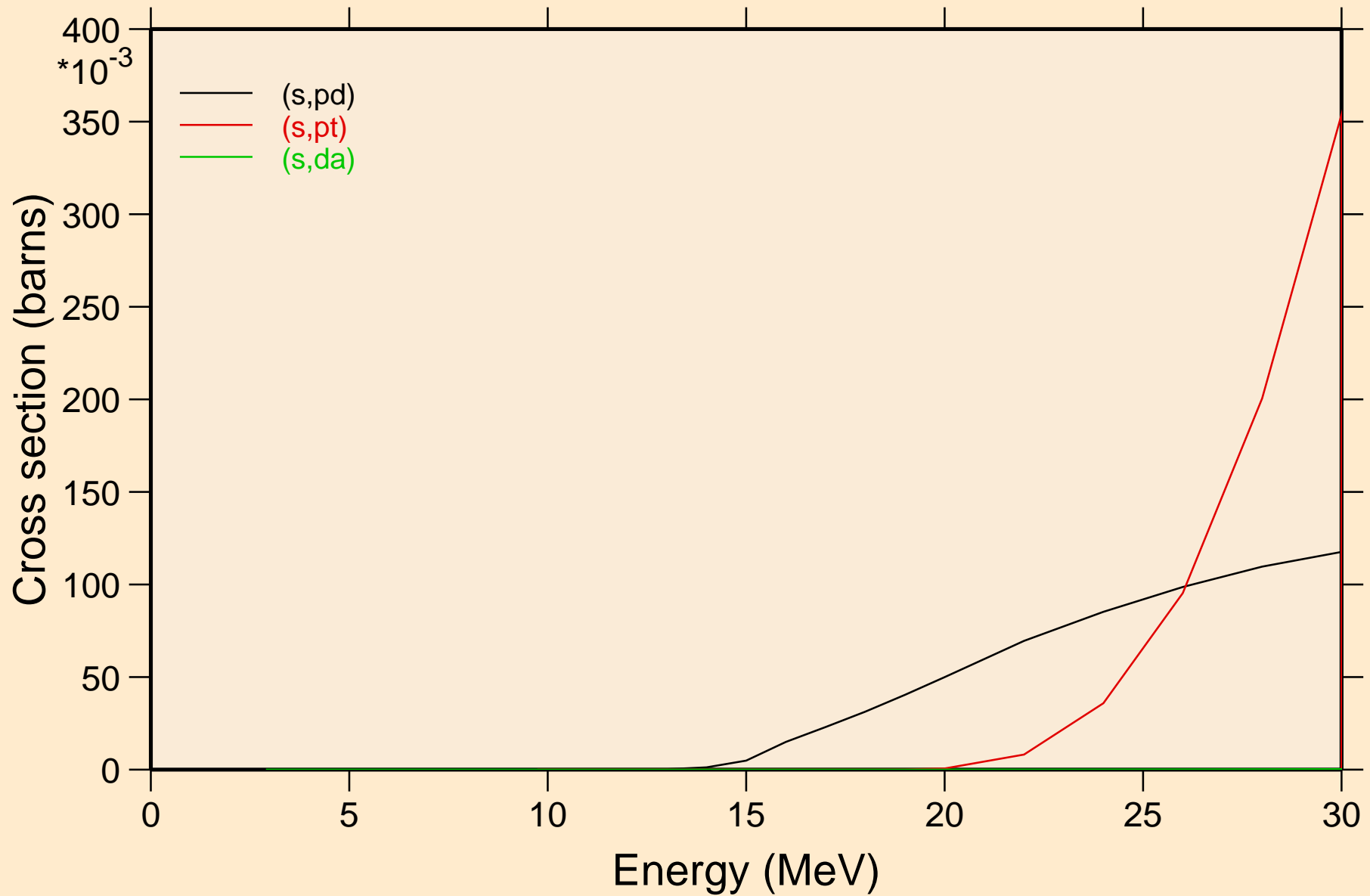
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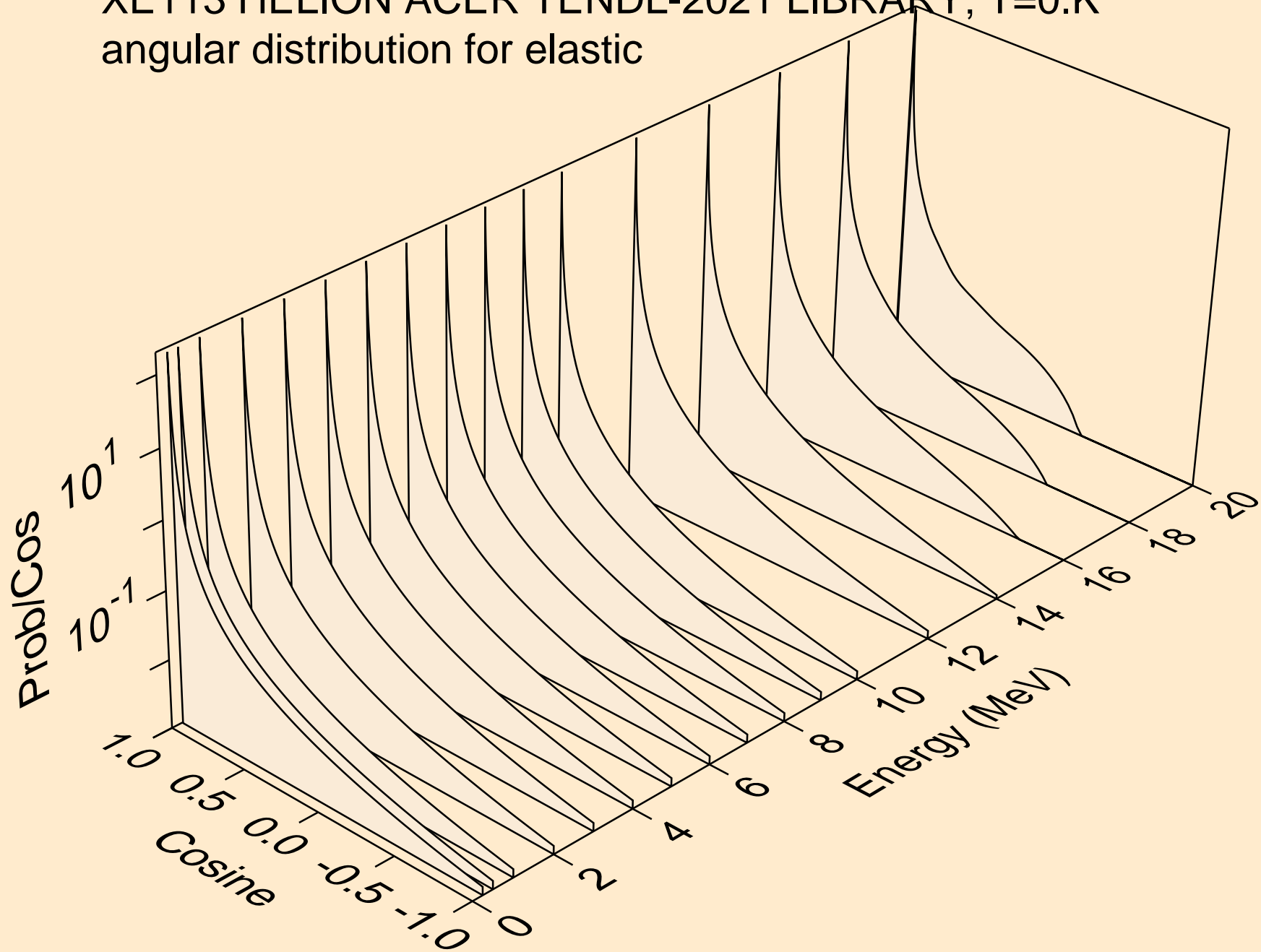
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Threshold reactions



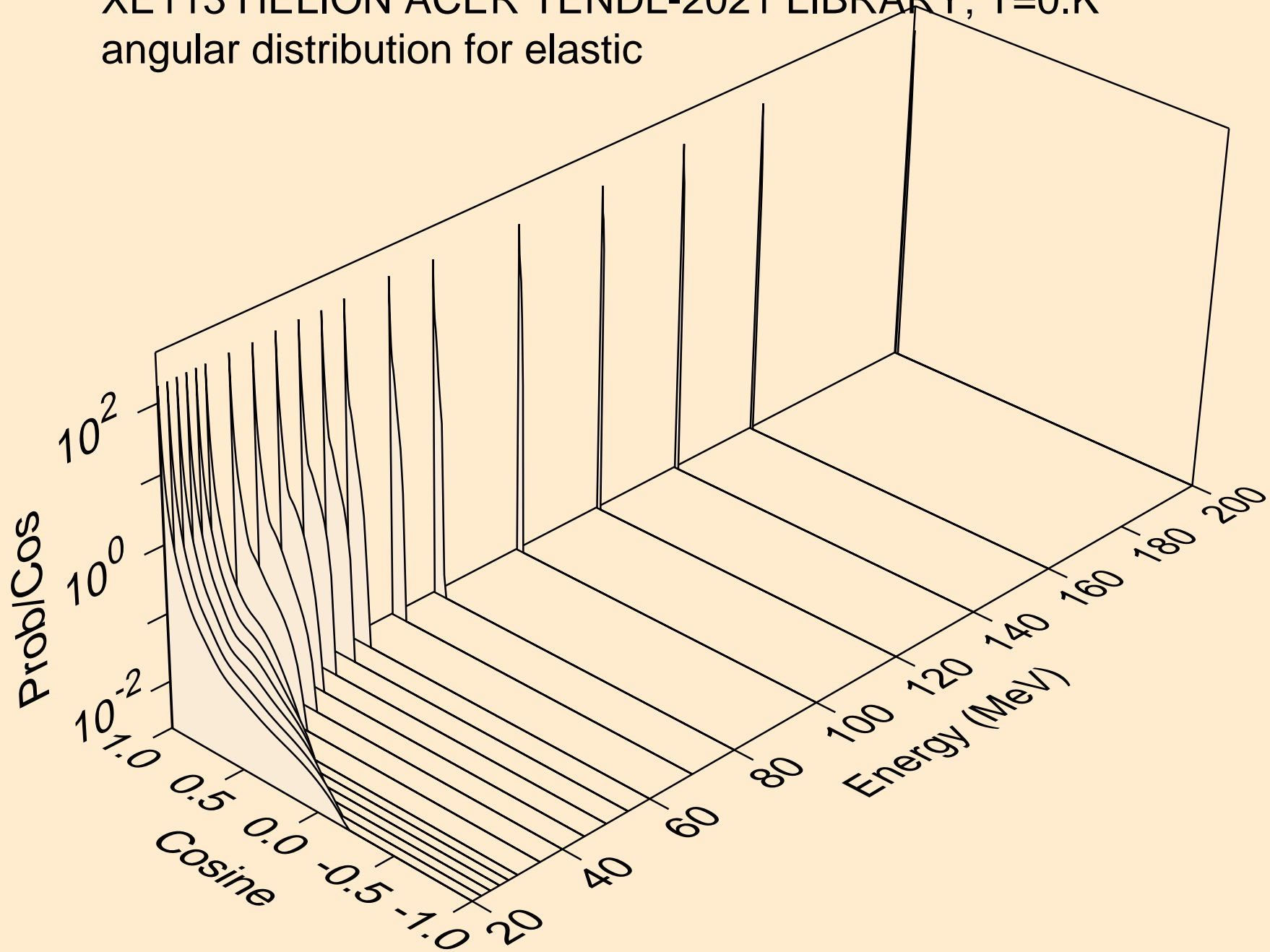
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Threshold reactions



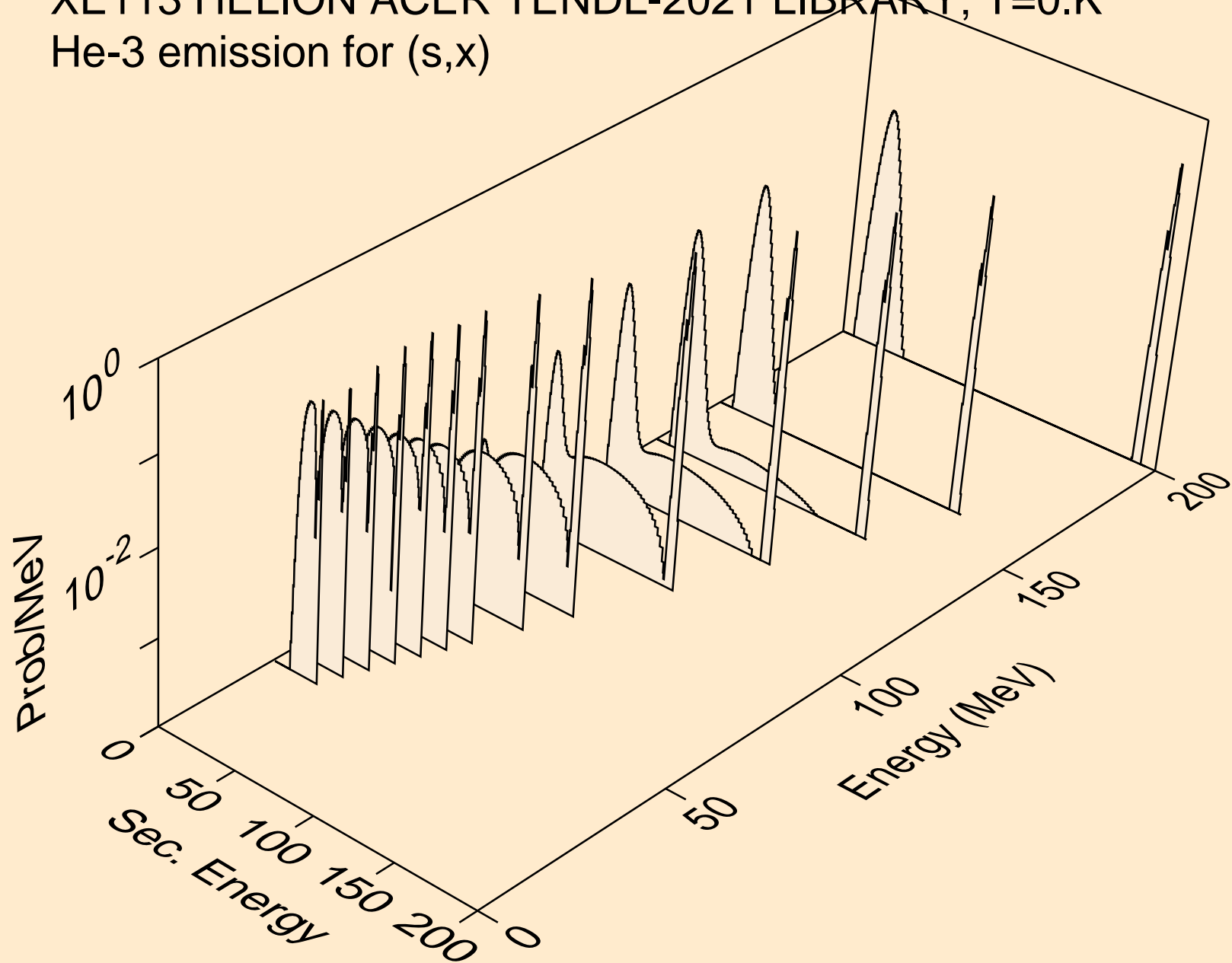
XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



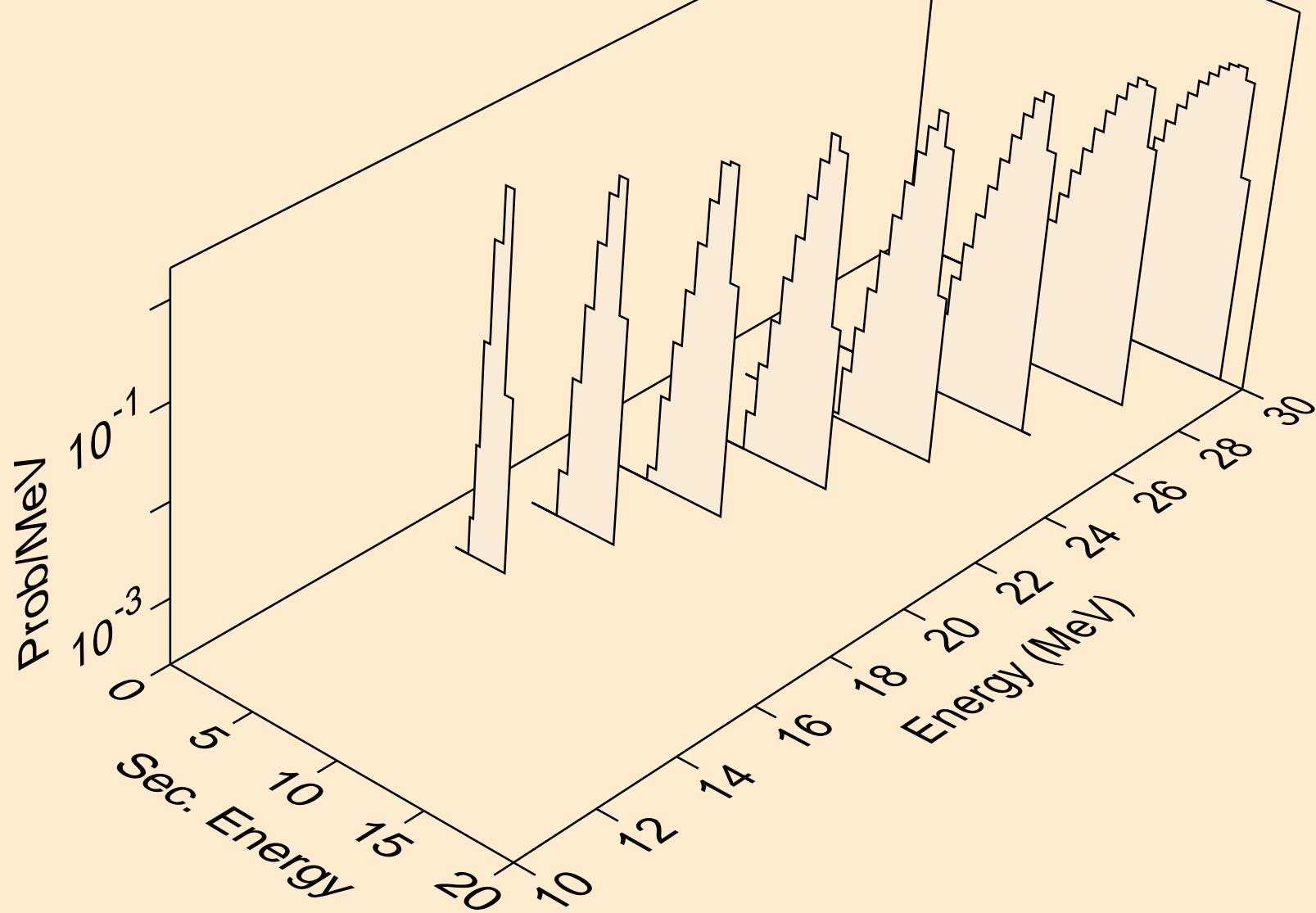
XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



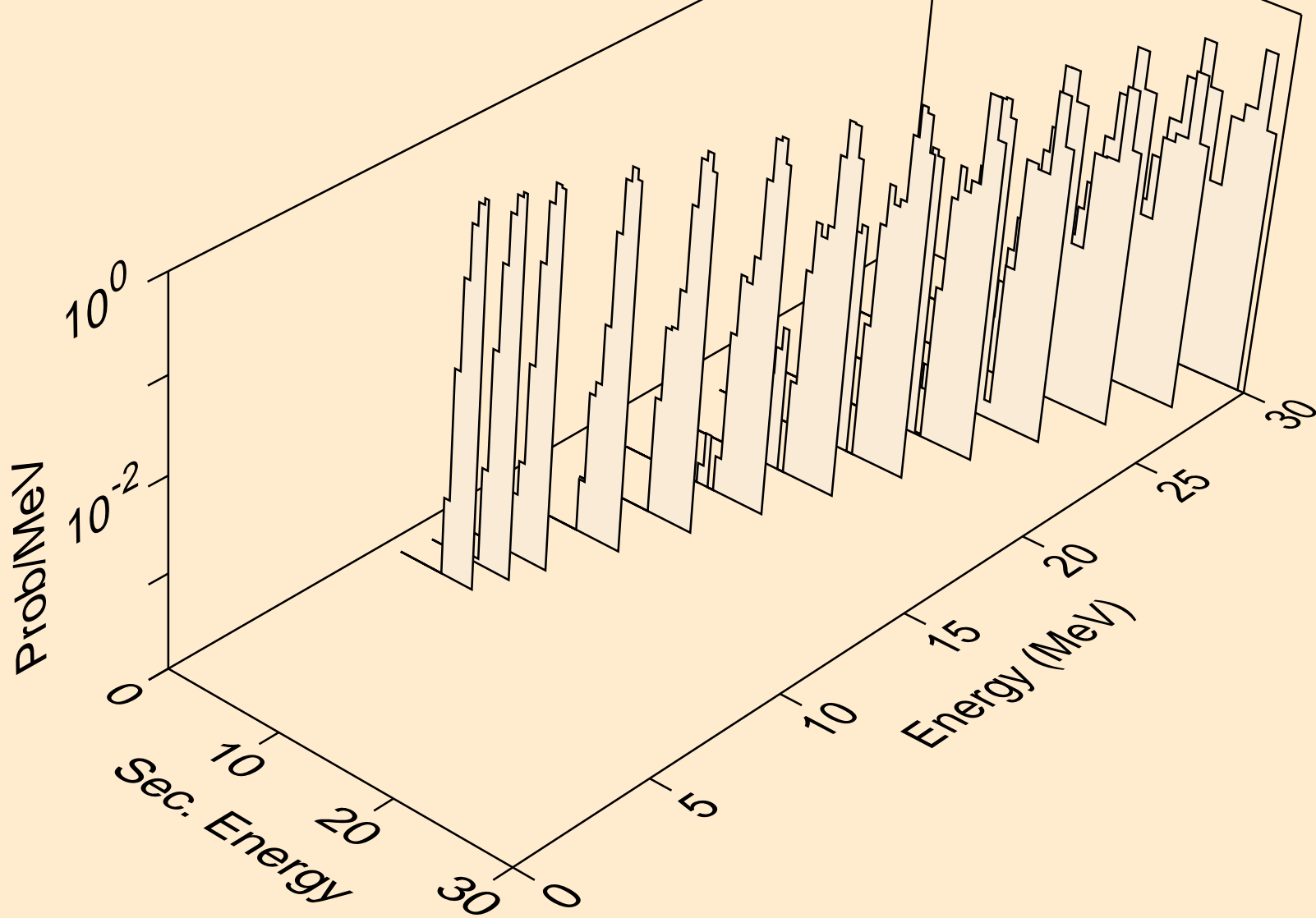
XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,x)



XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

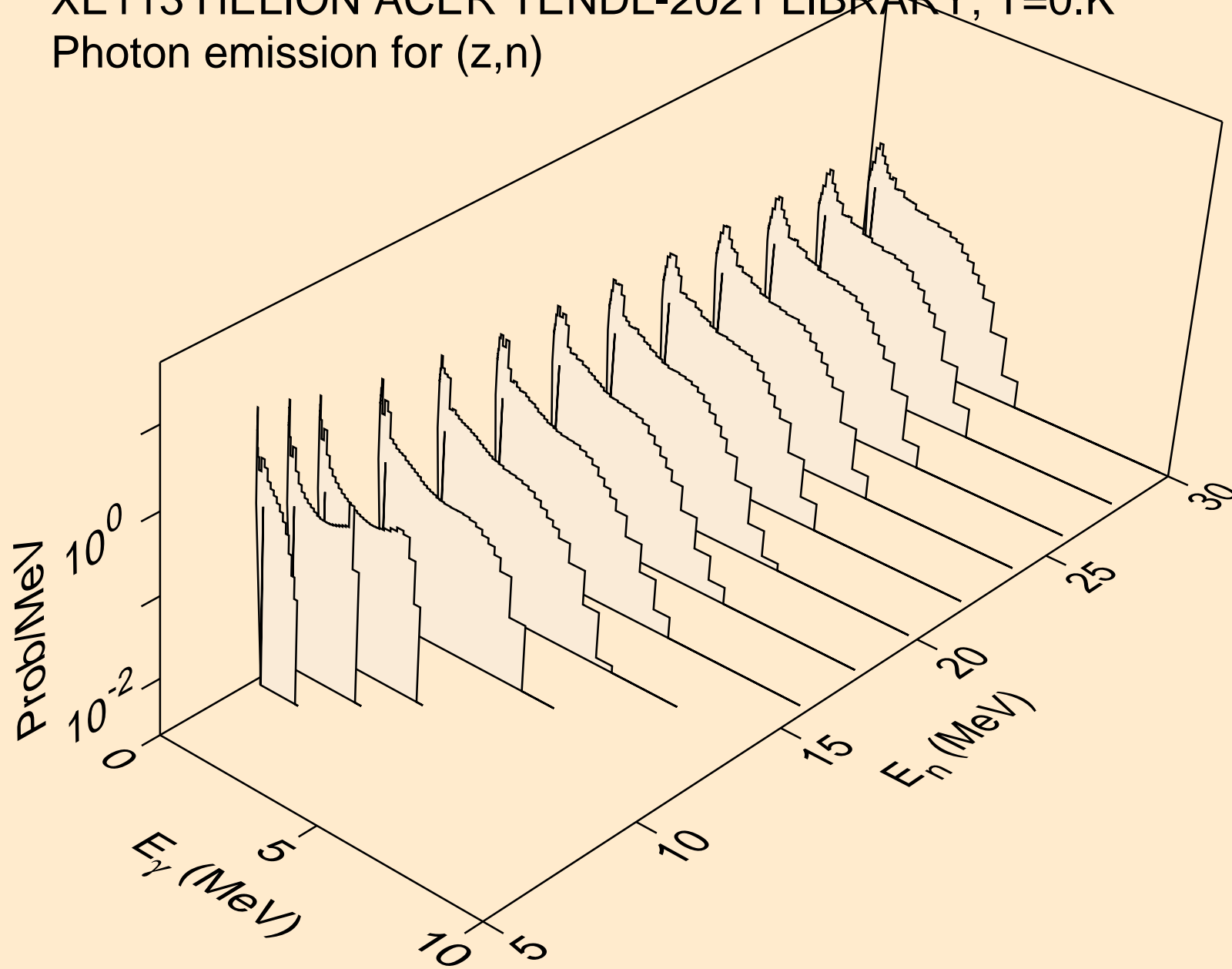


XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for inelastic

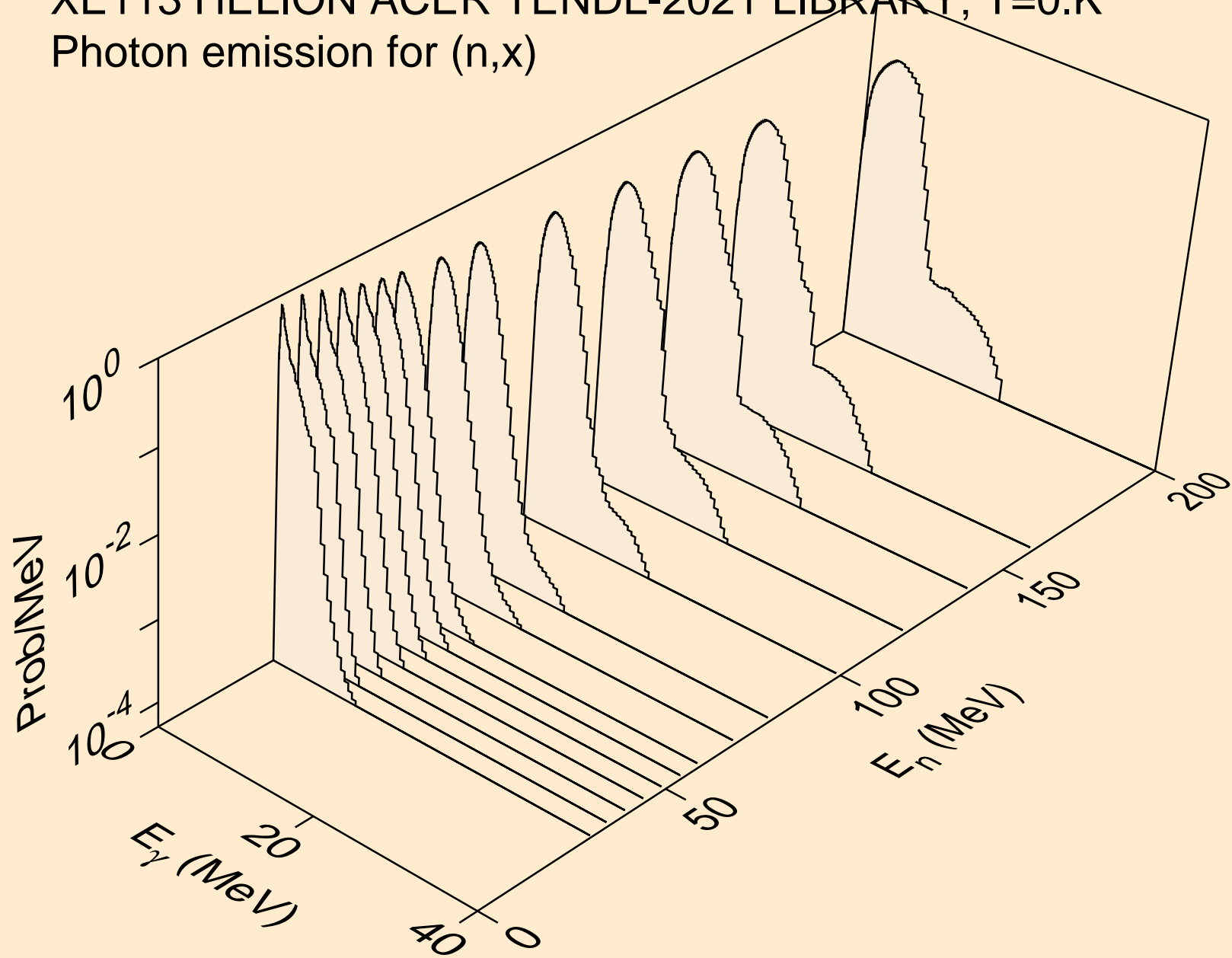




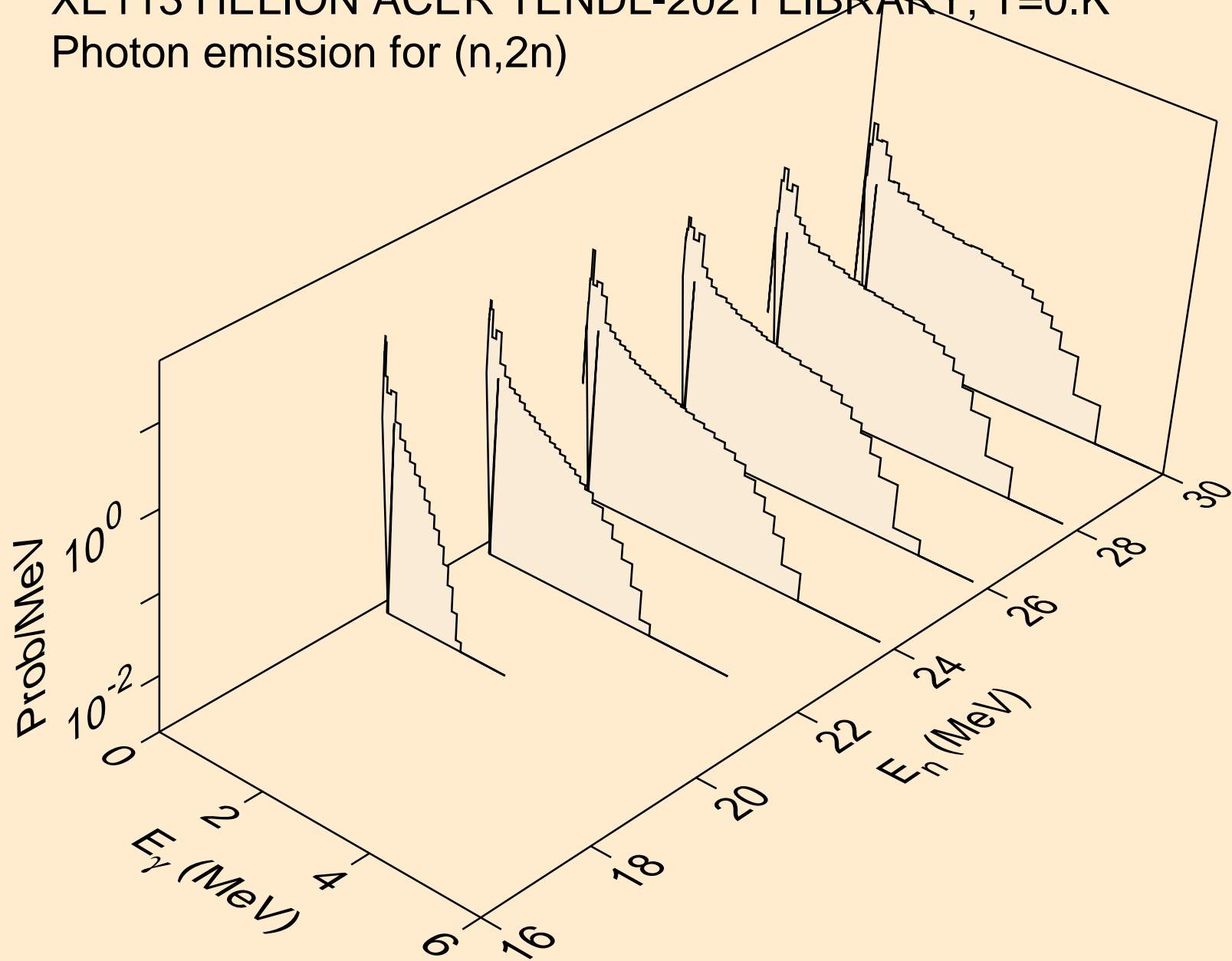
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Photon emission for (z,n)



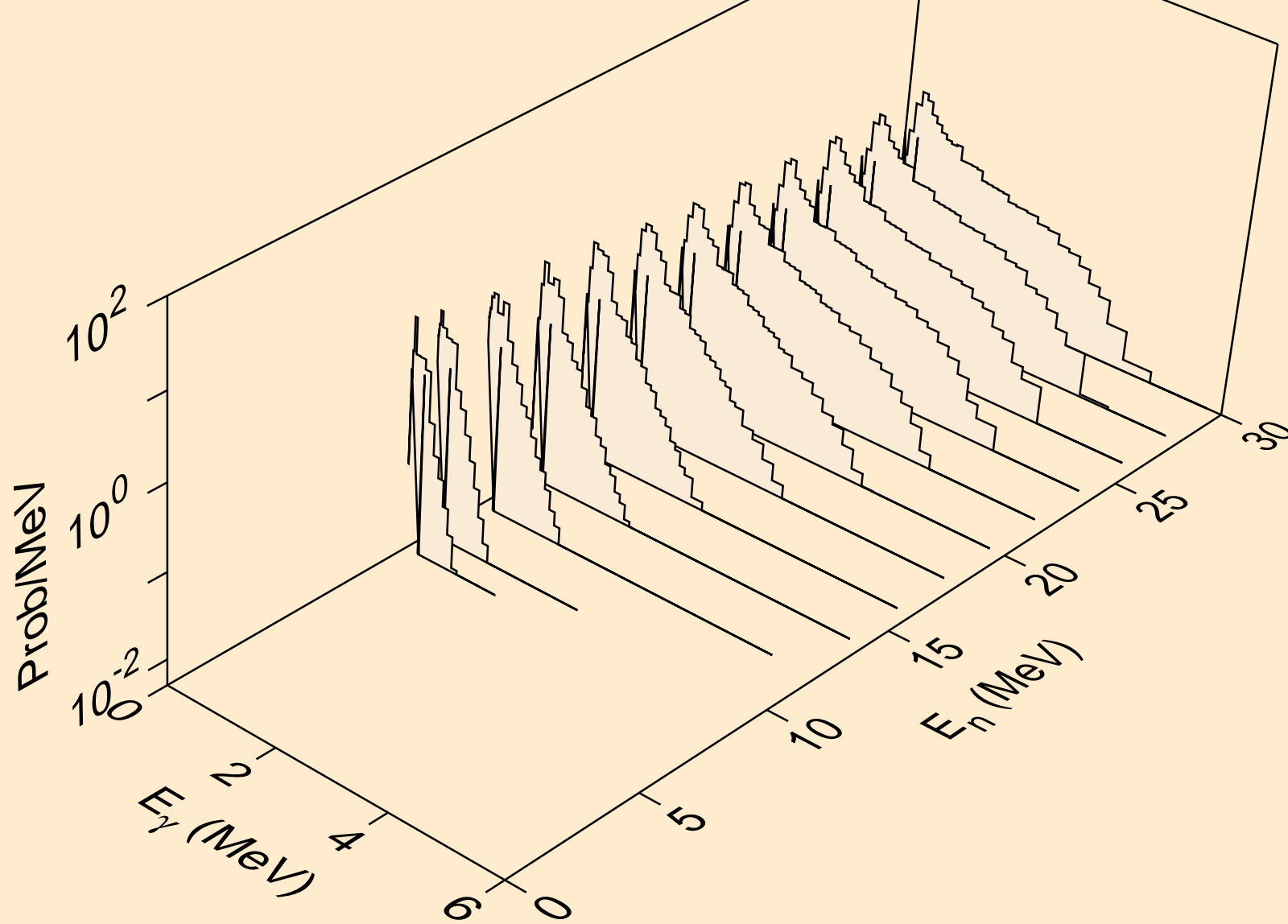
XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



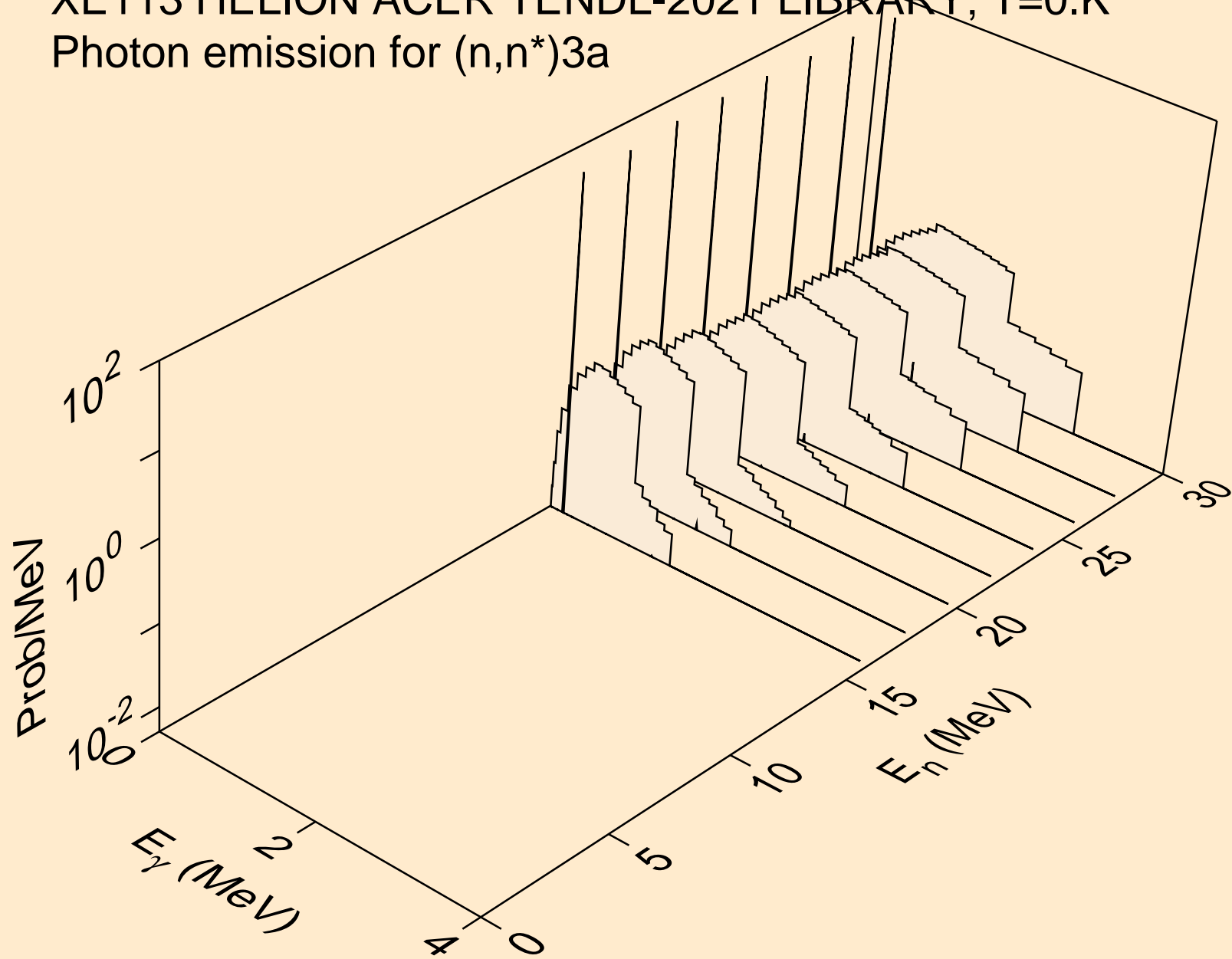
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Photon emission for (n,2n)



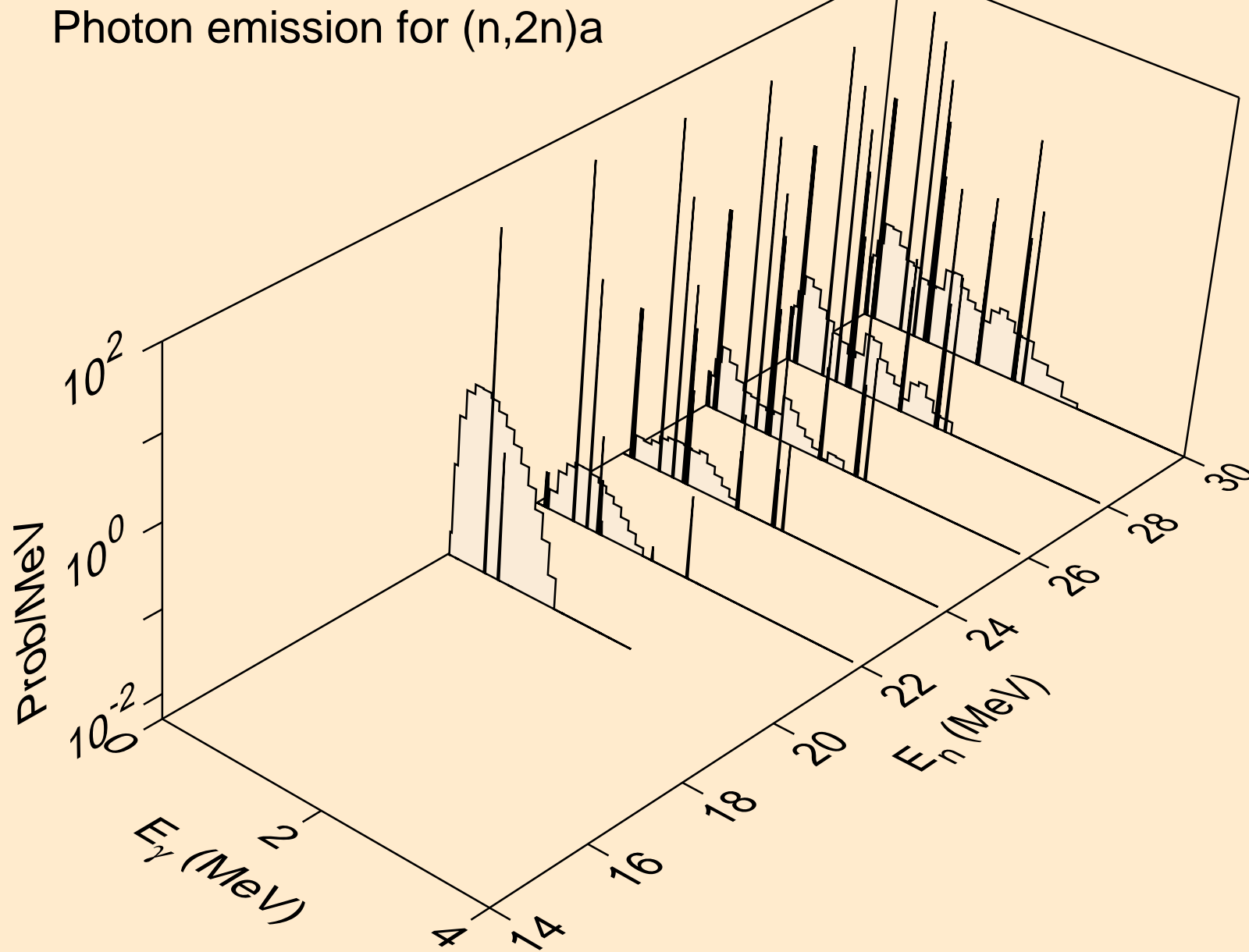
XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



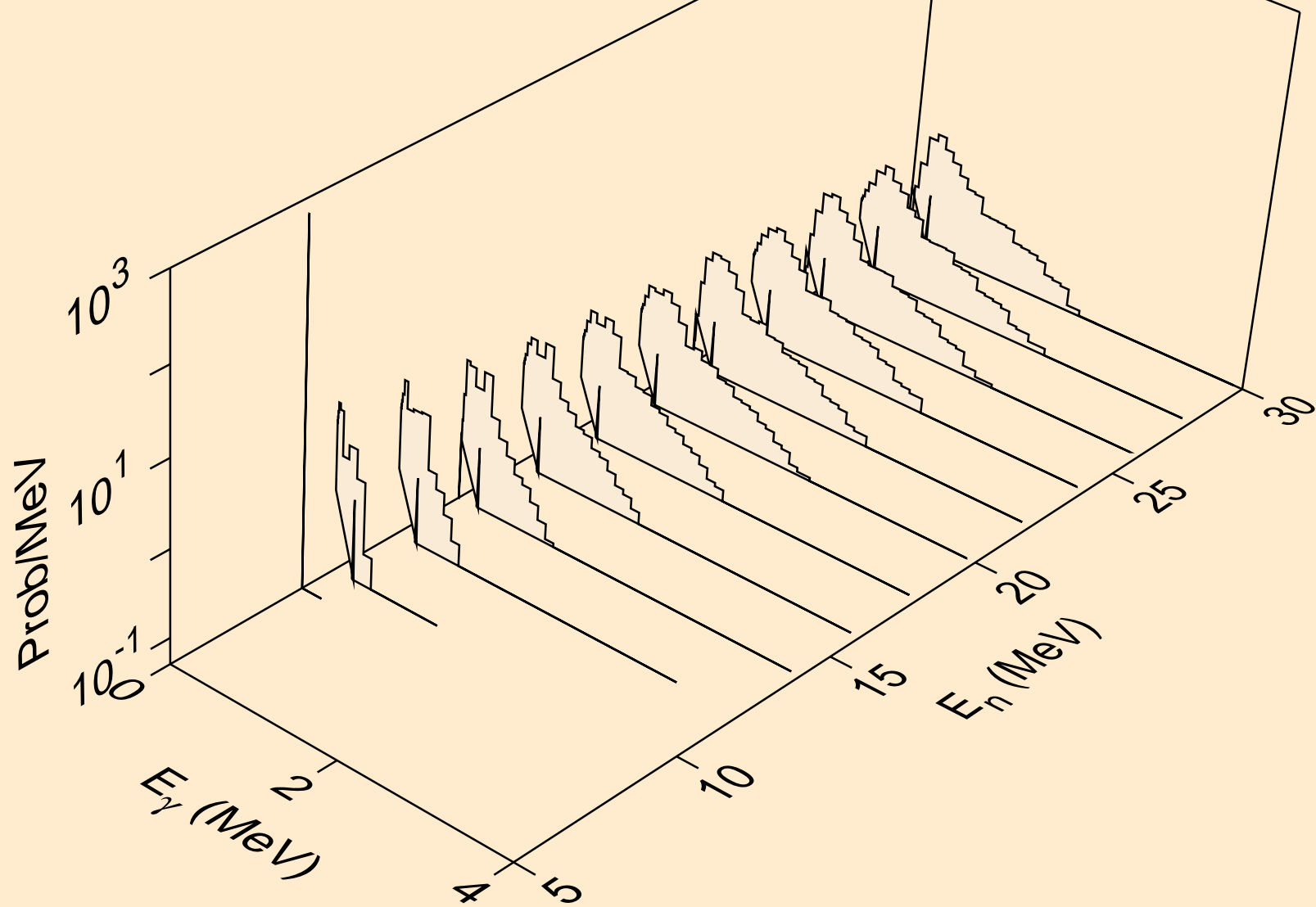
XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)3a



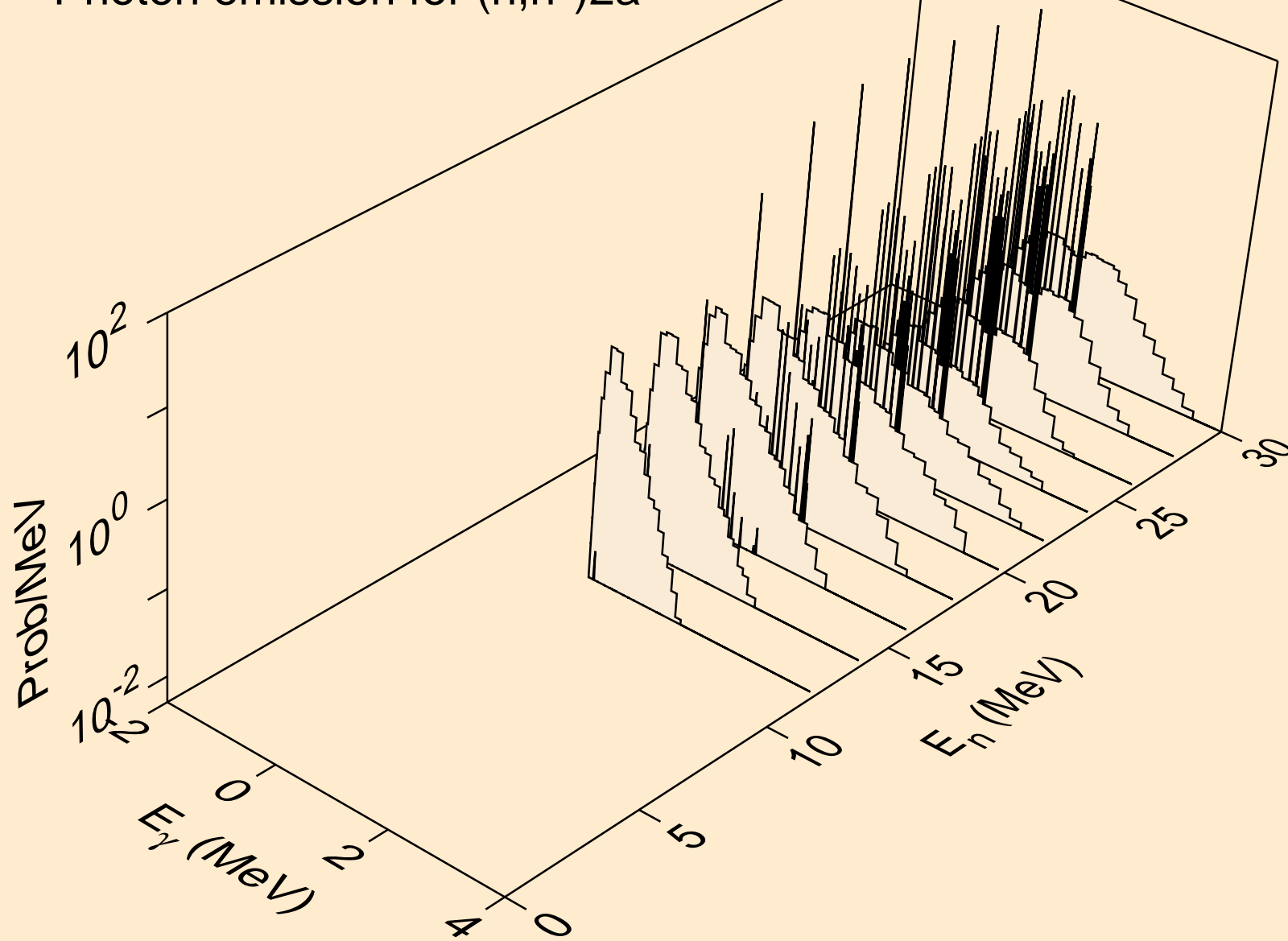
XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)a



XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

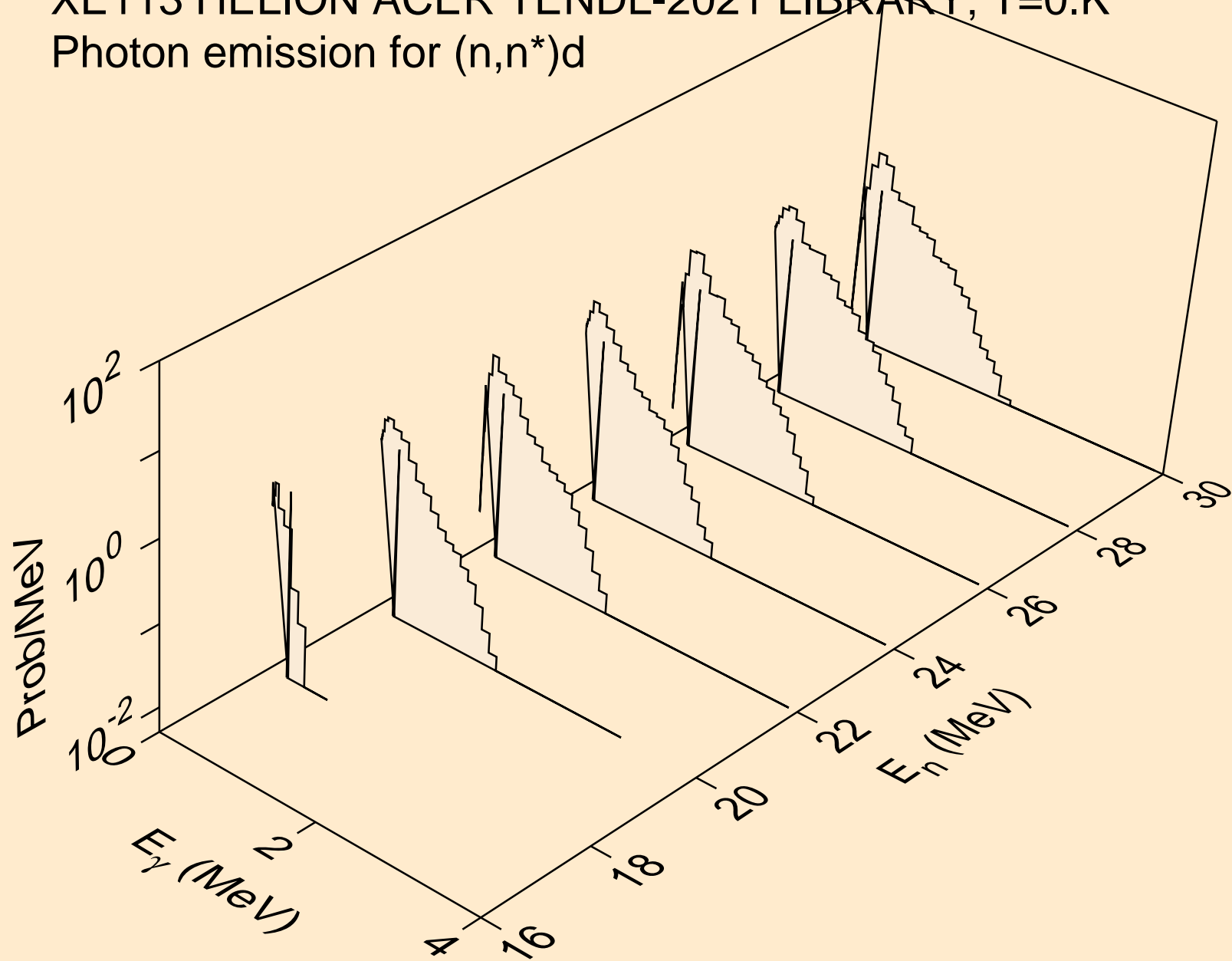


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Photon emission for (n,n\*)2a

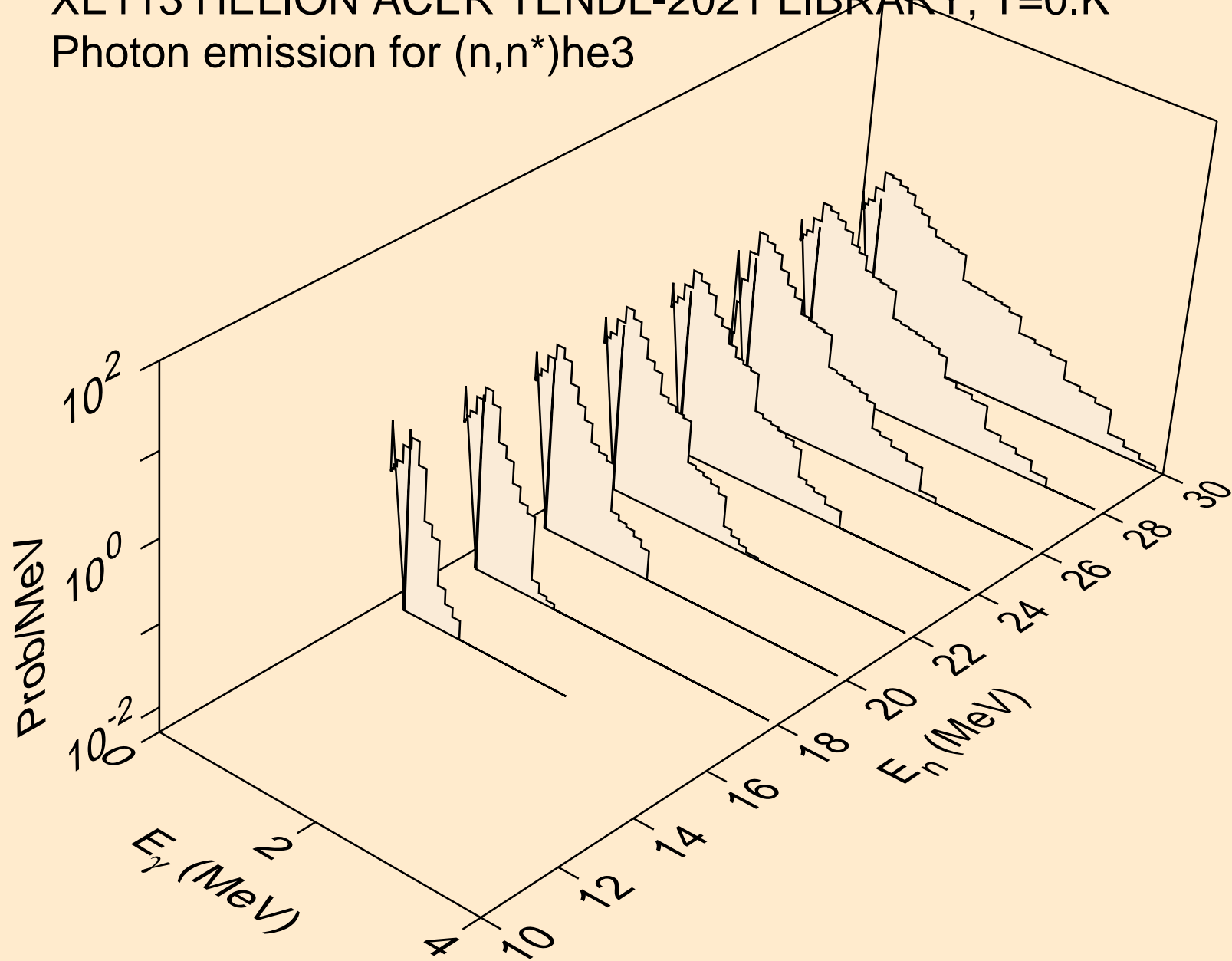




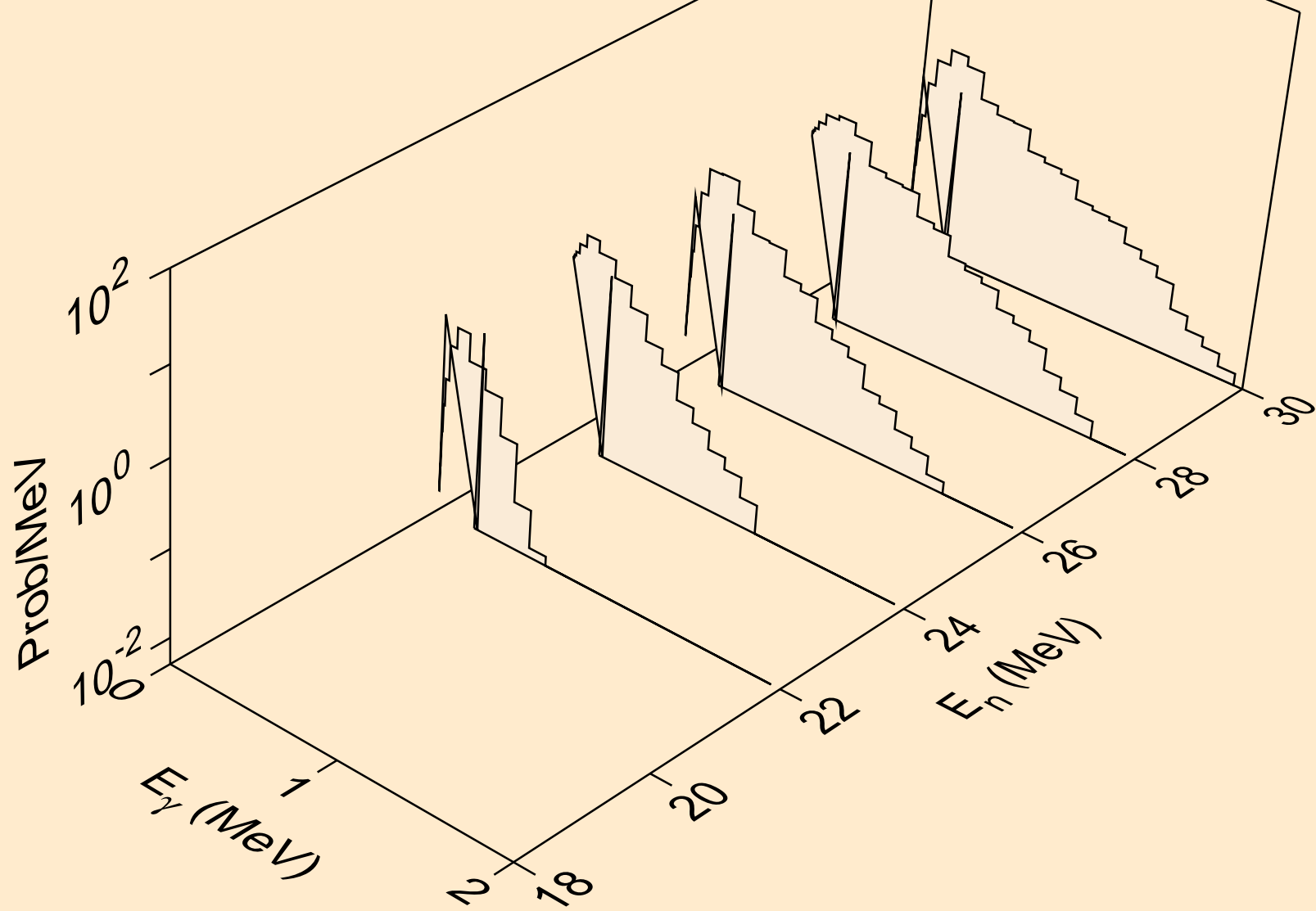
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Photon emission for (n,n\*)d



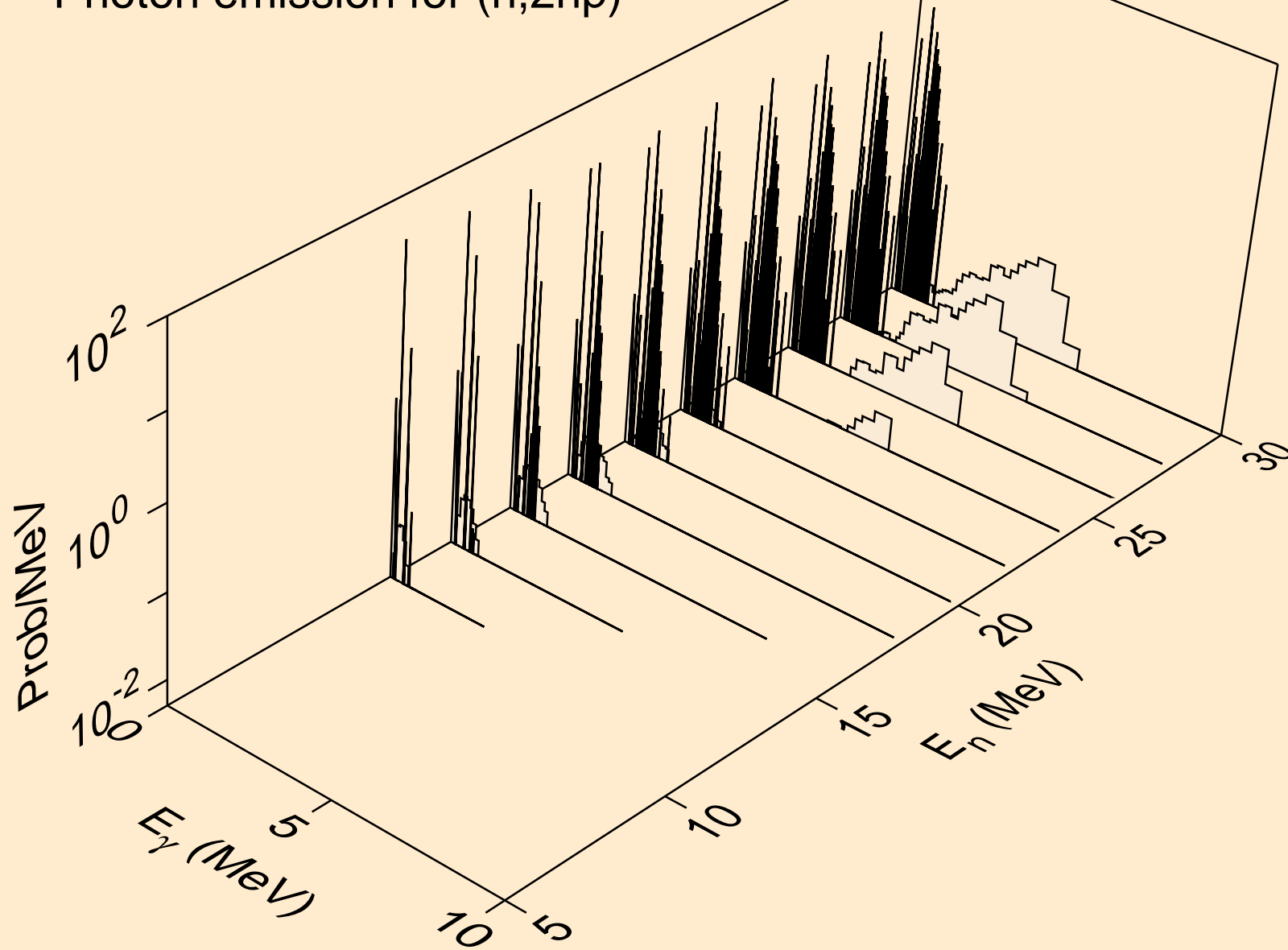
XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



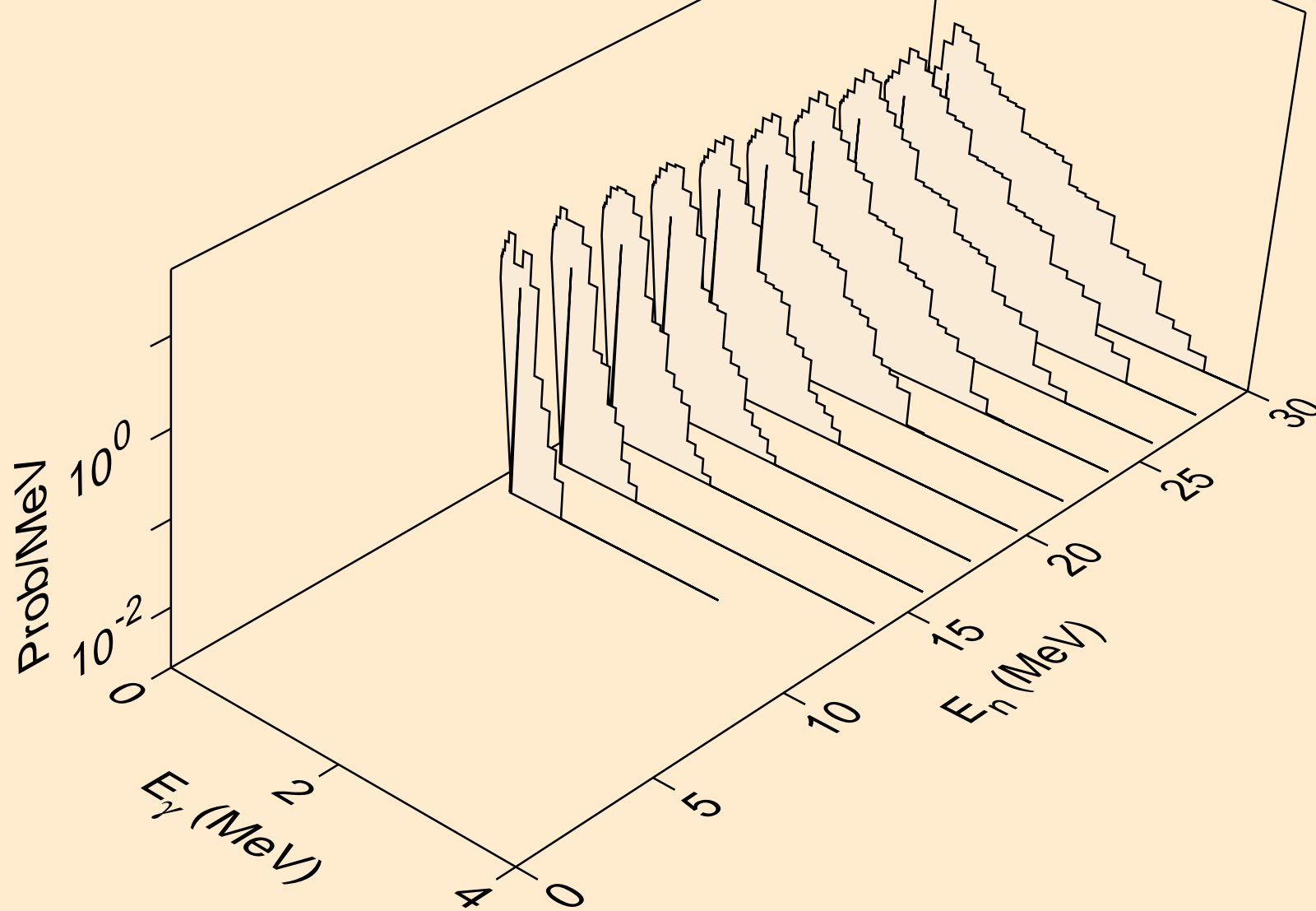
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Photon emission for (n,2np)



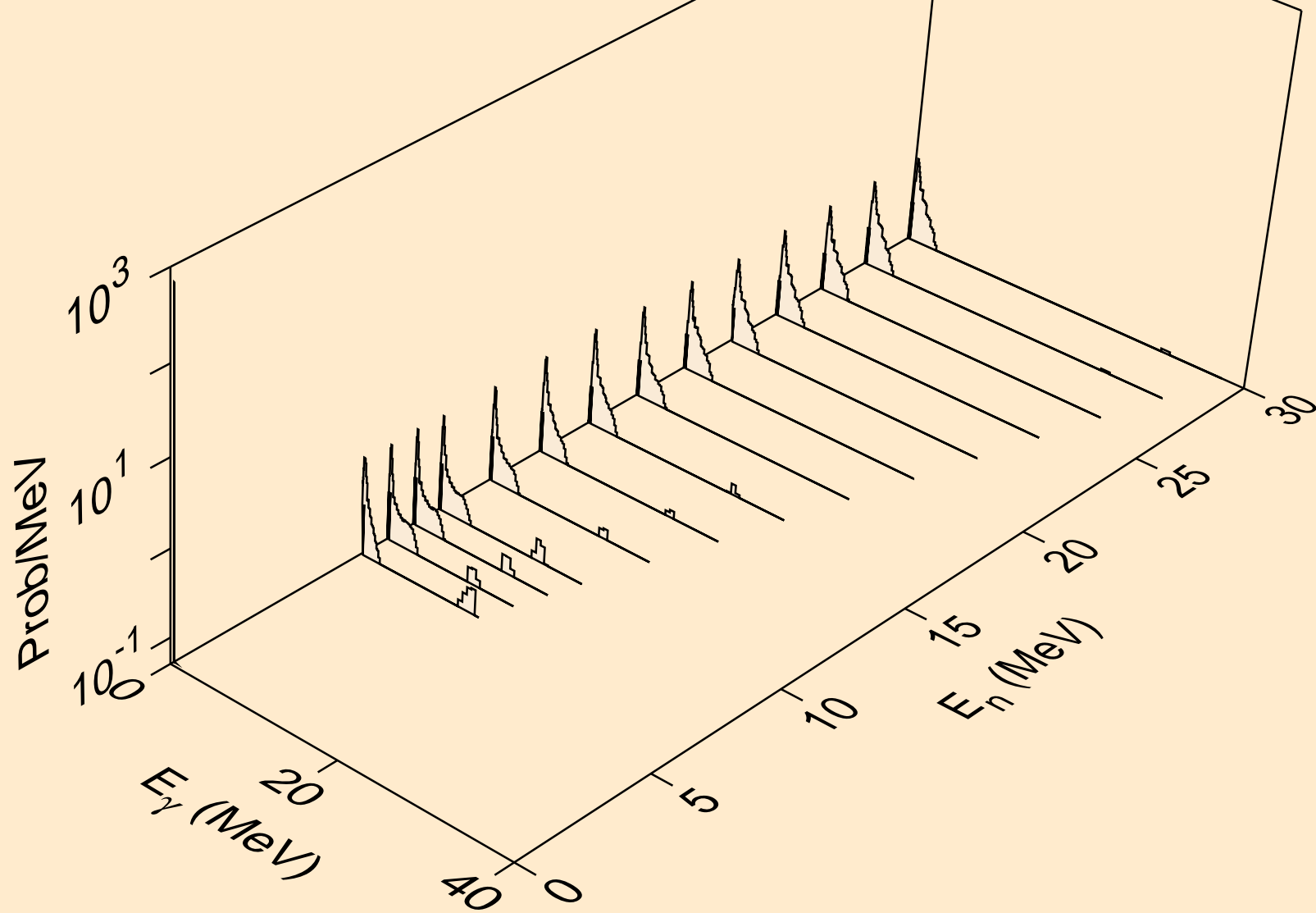
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Photon emission for (n,2np)



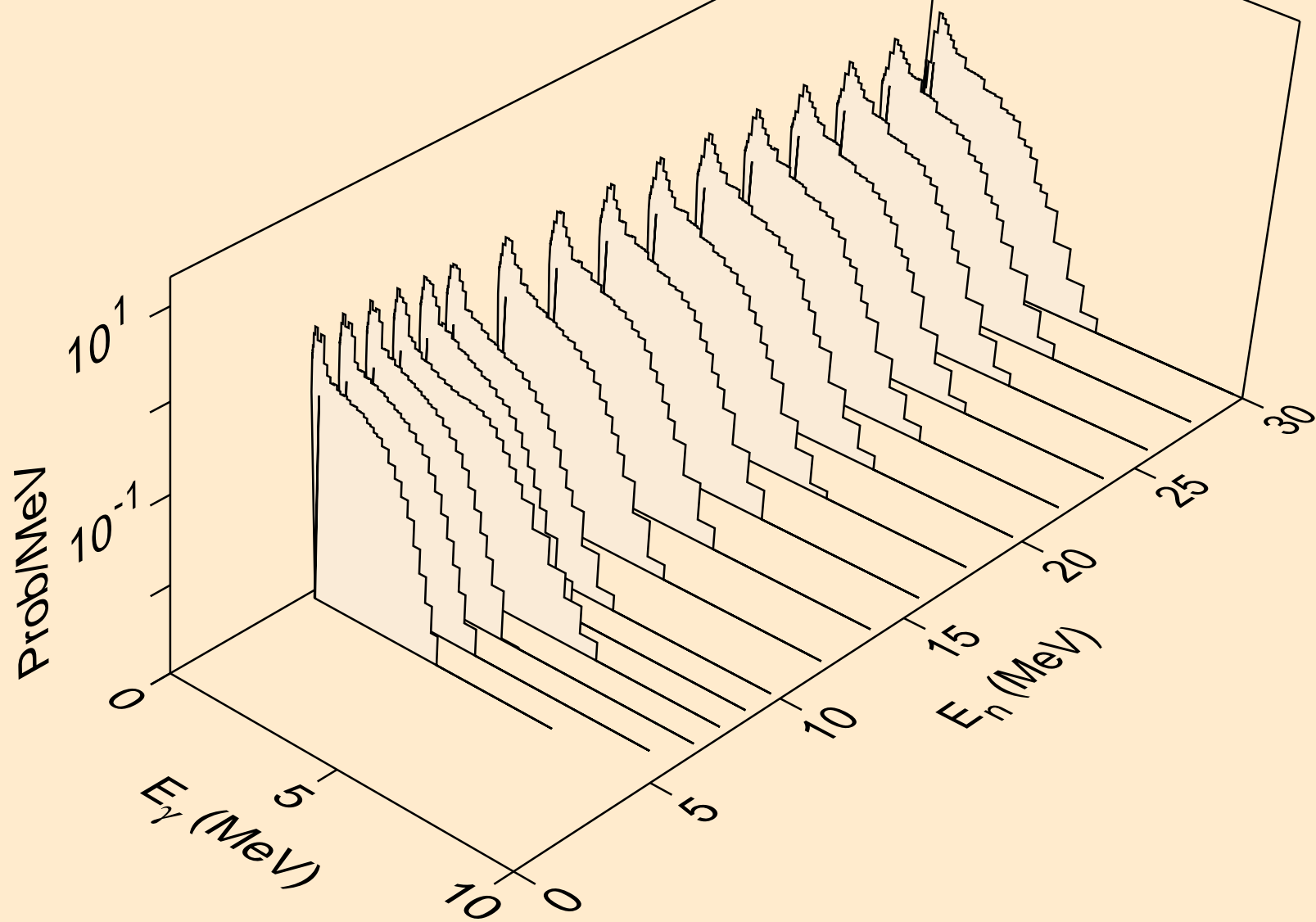
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Photon emission for (n,npa)



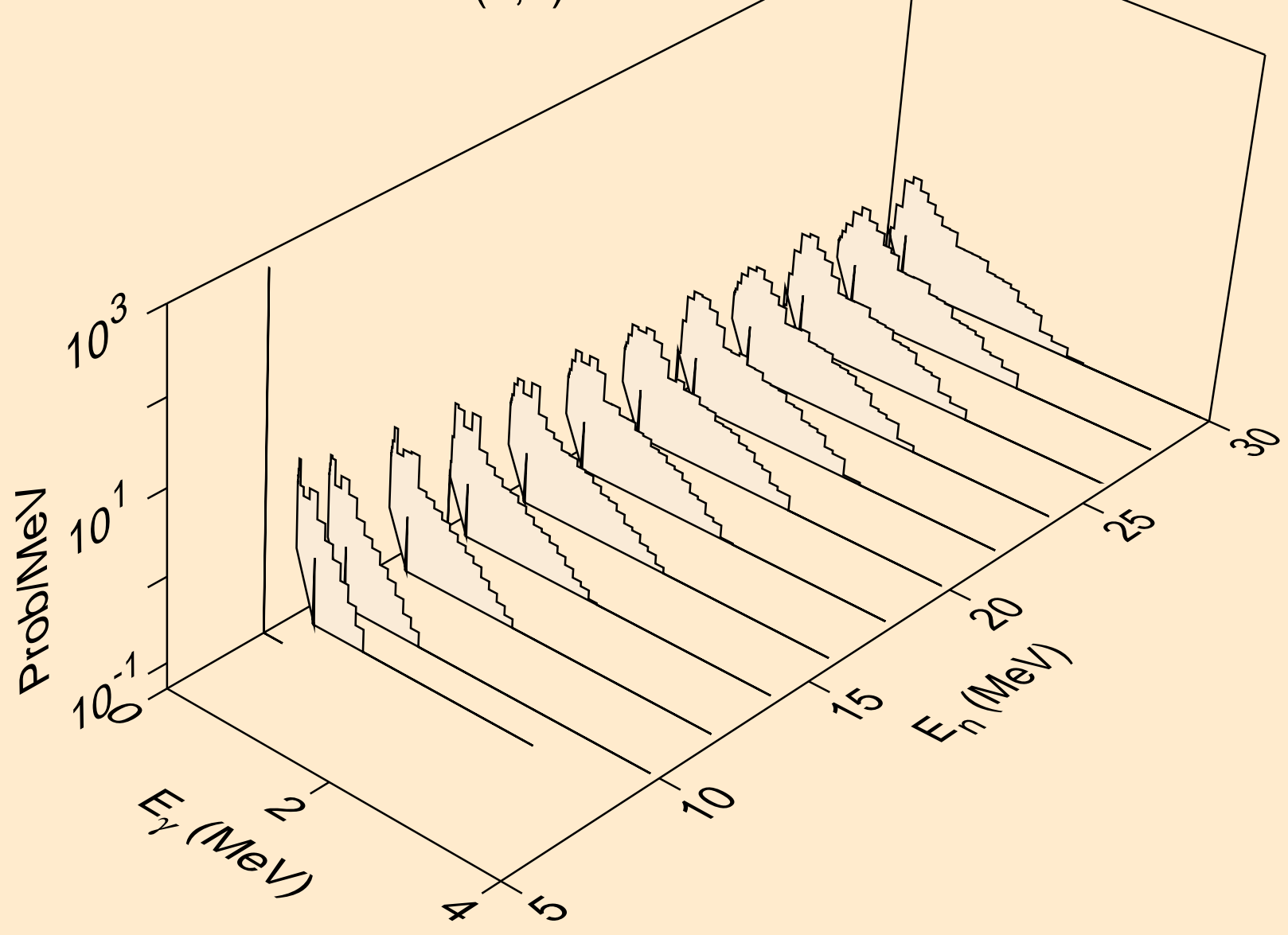
XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,gma)



XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,p)

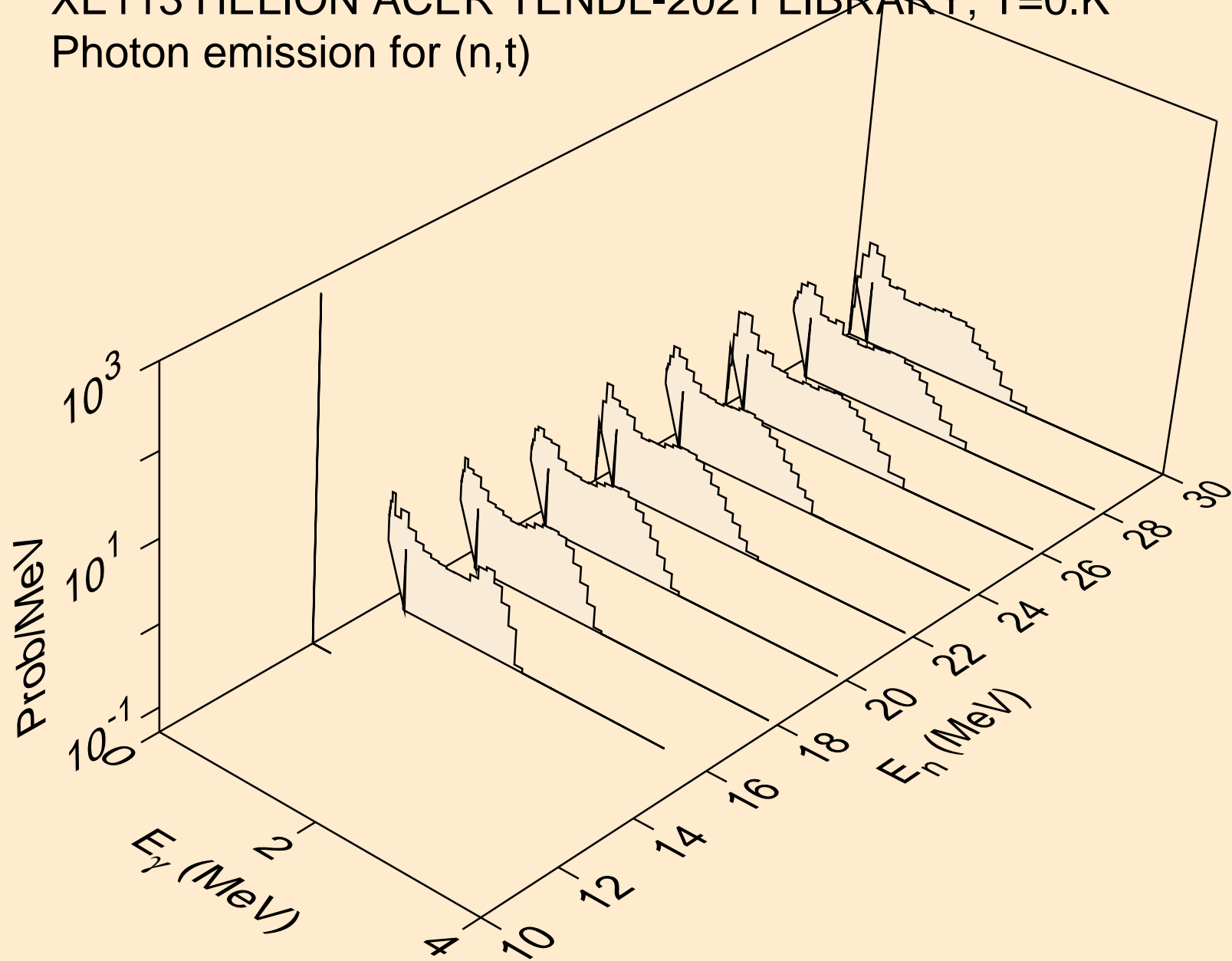


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Photon emission for (n,d)

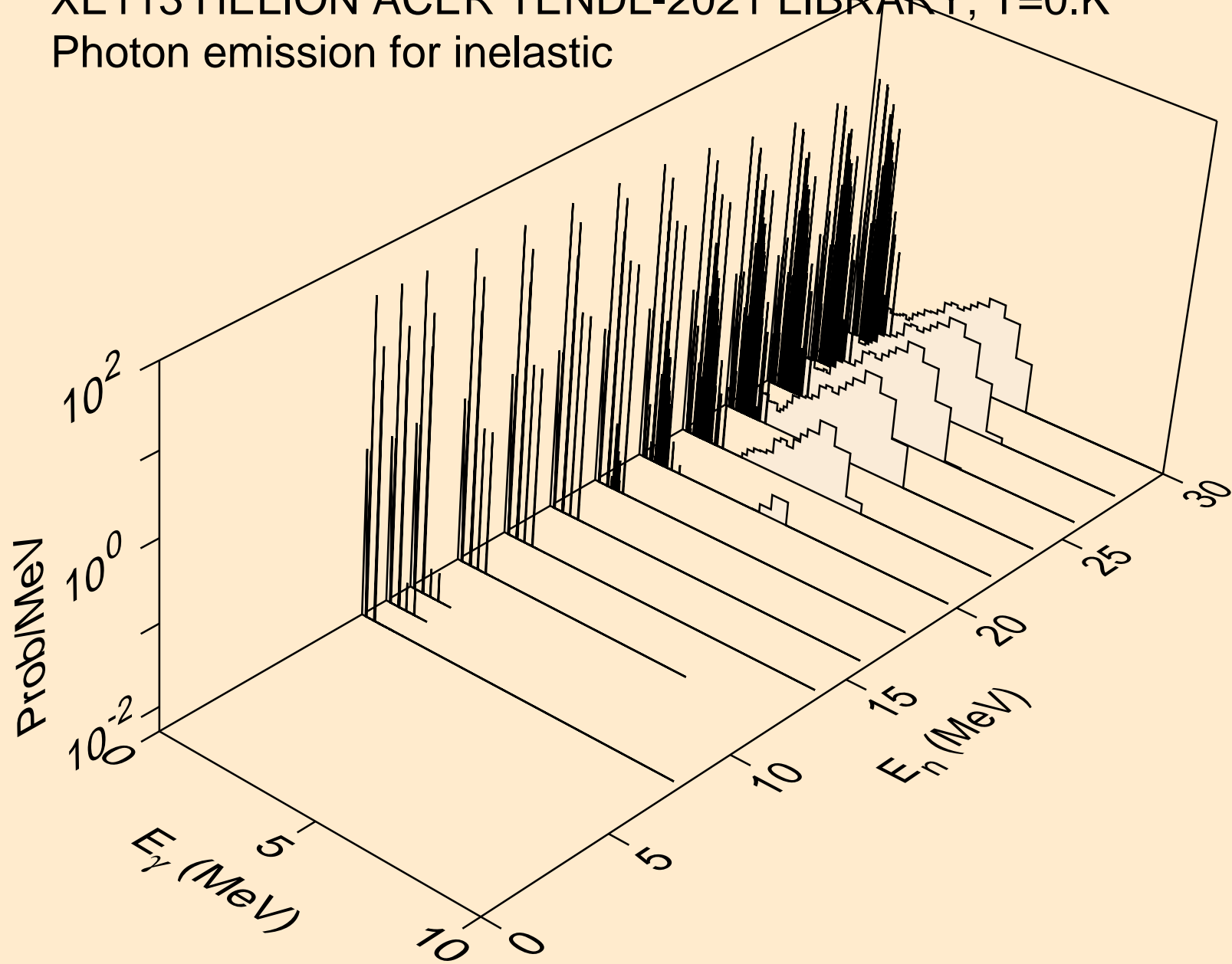




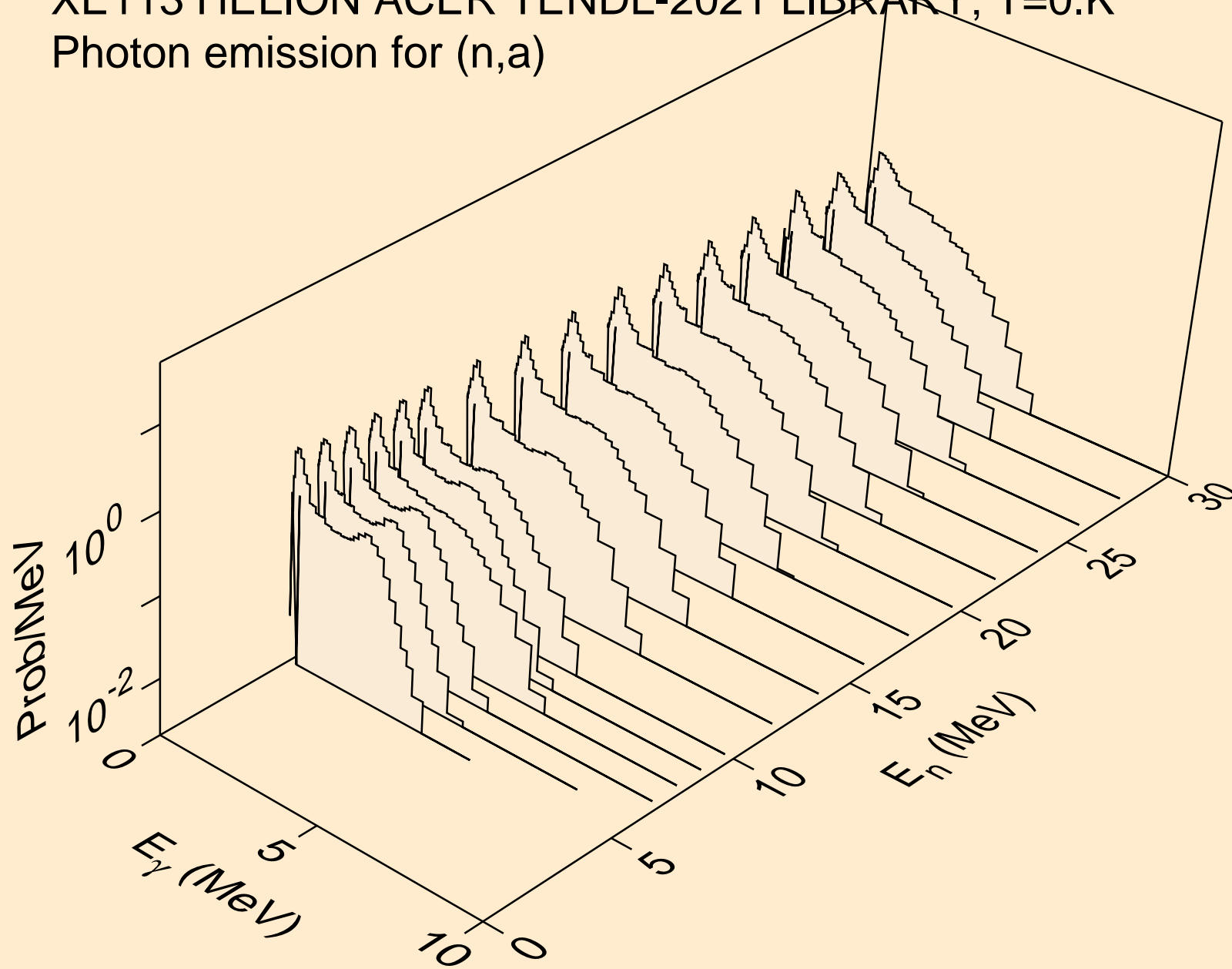
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Photon emission for (n,t)



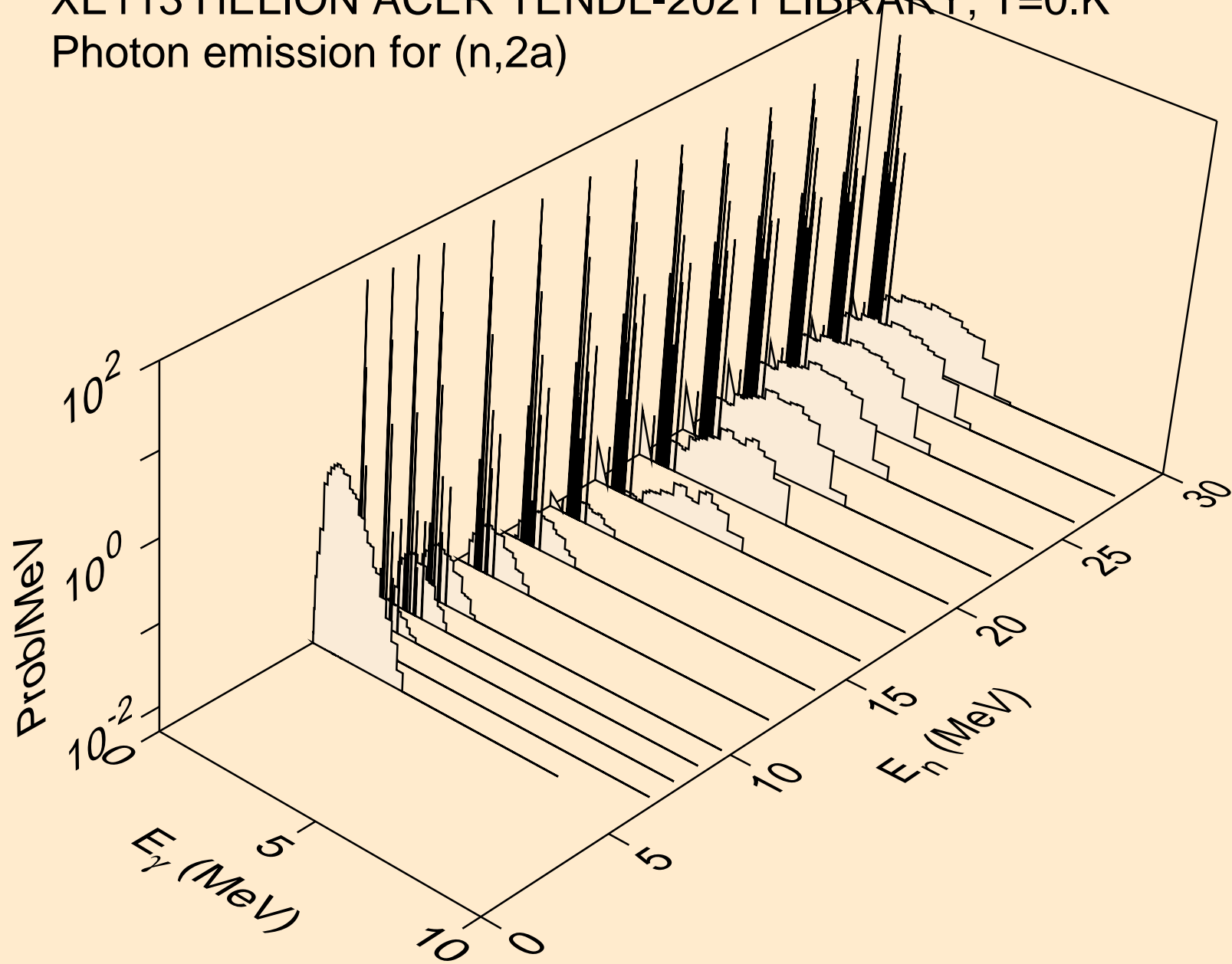
XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



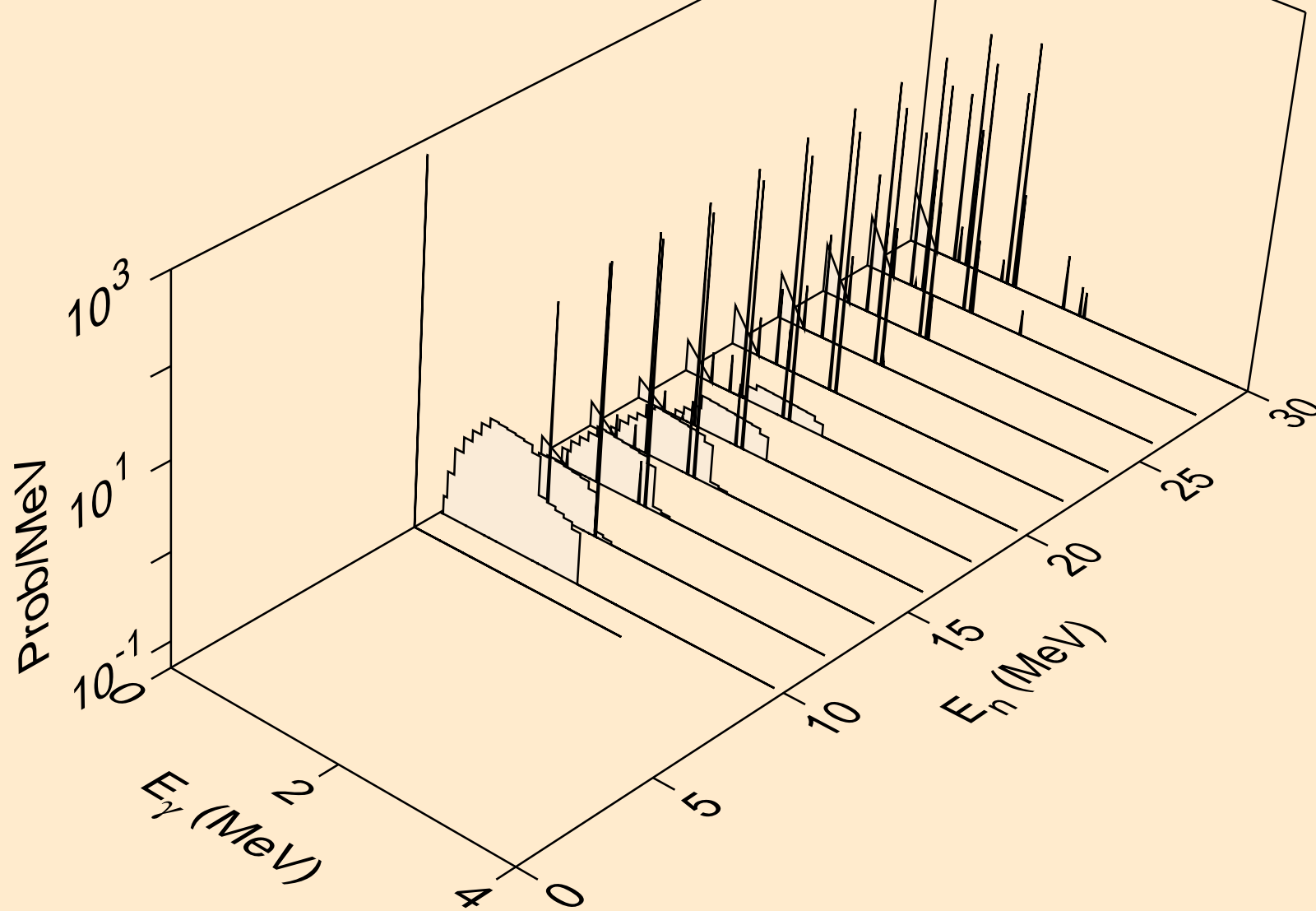
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Photon emission for (n,a)



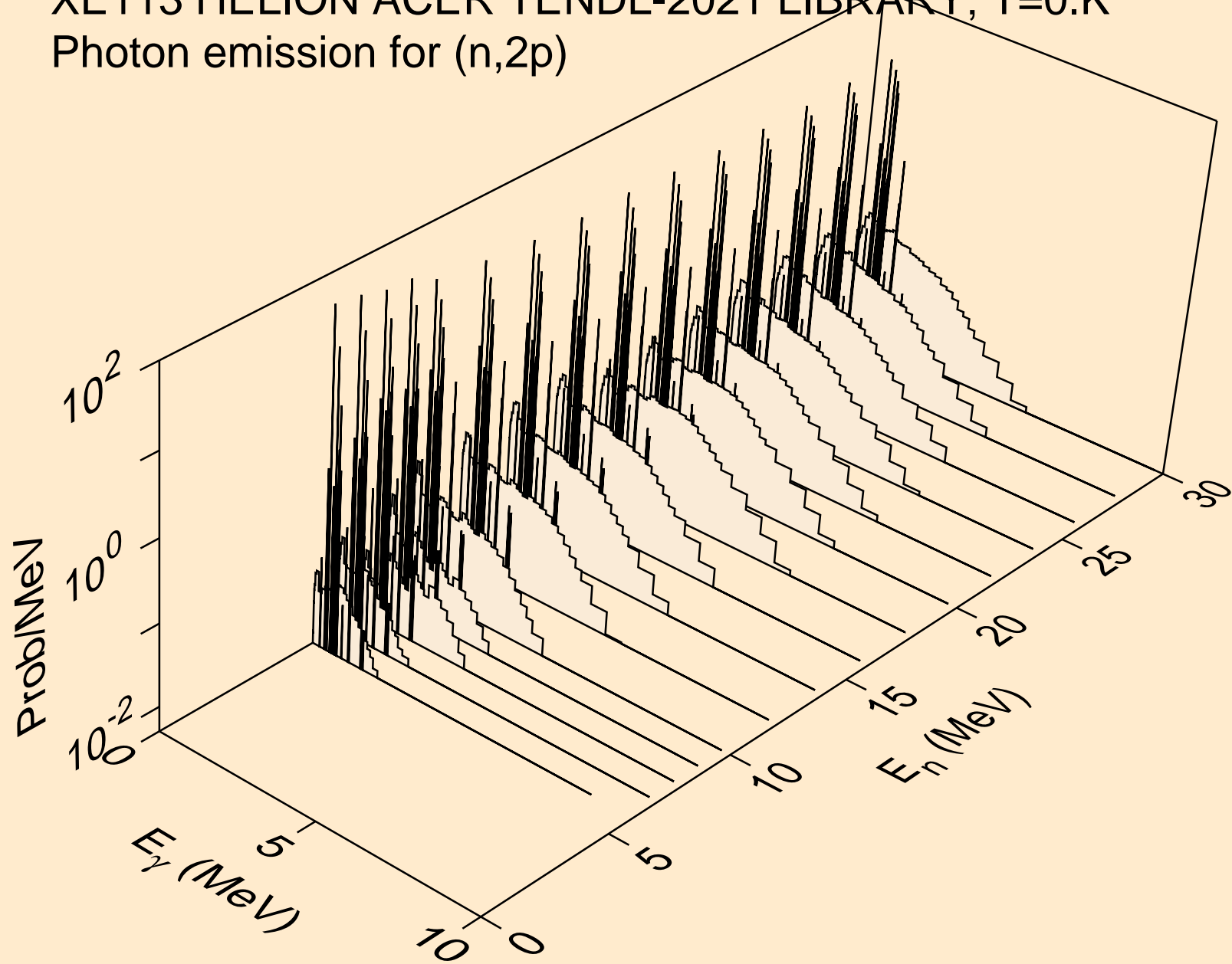
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Photon emission for (n,2a)



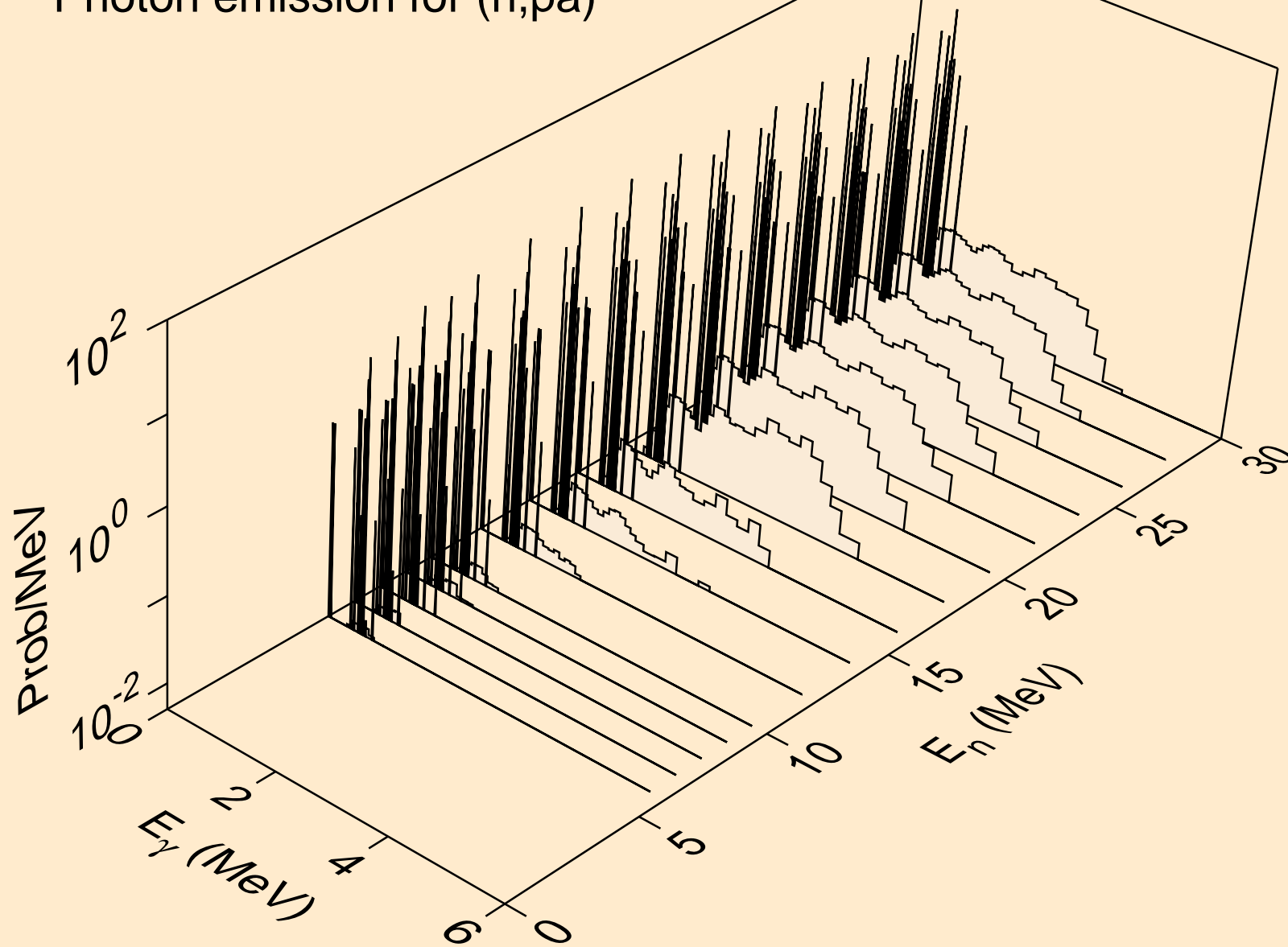
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Photon emission for (n,3a)



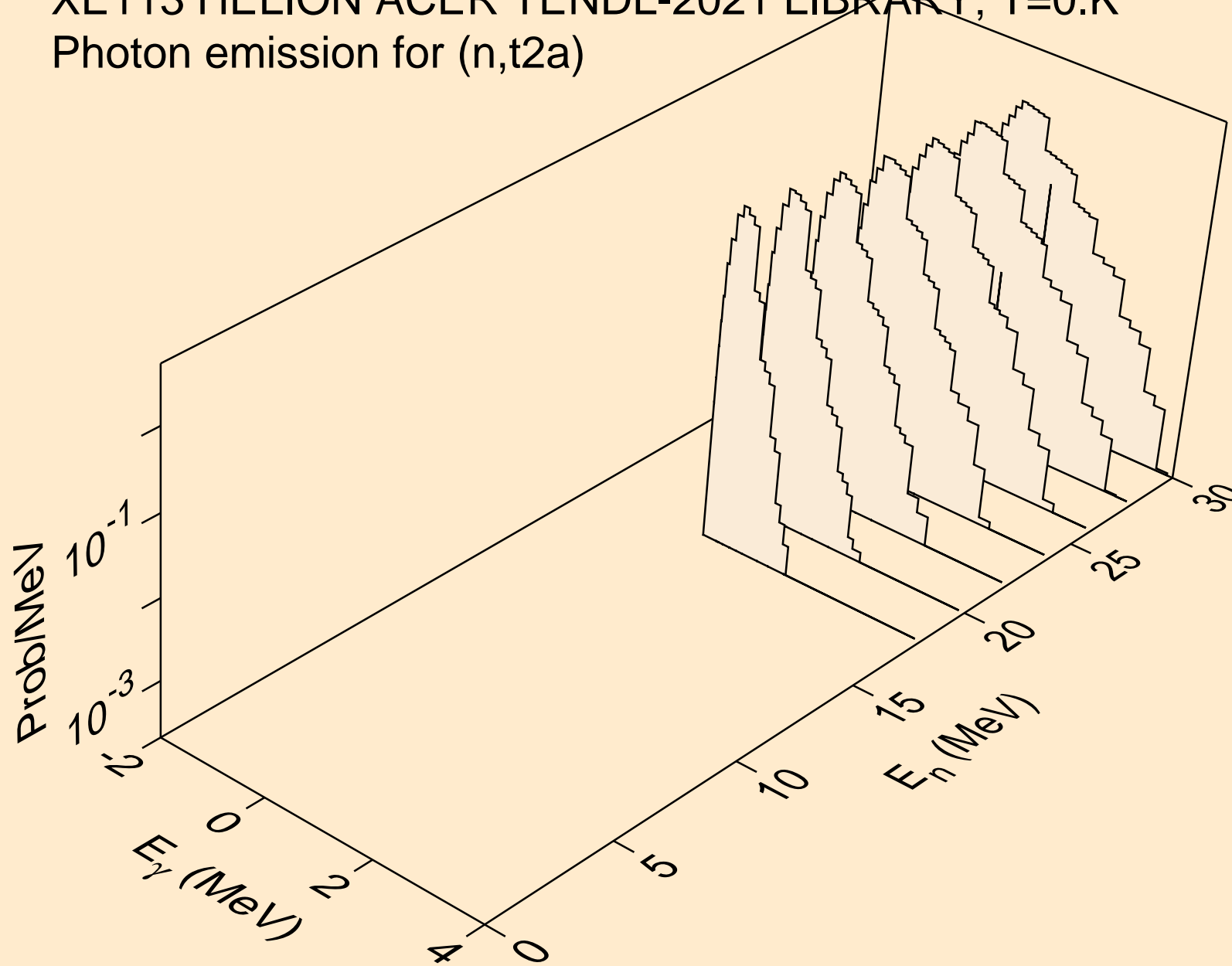
XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)



XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pa)

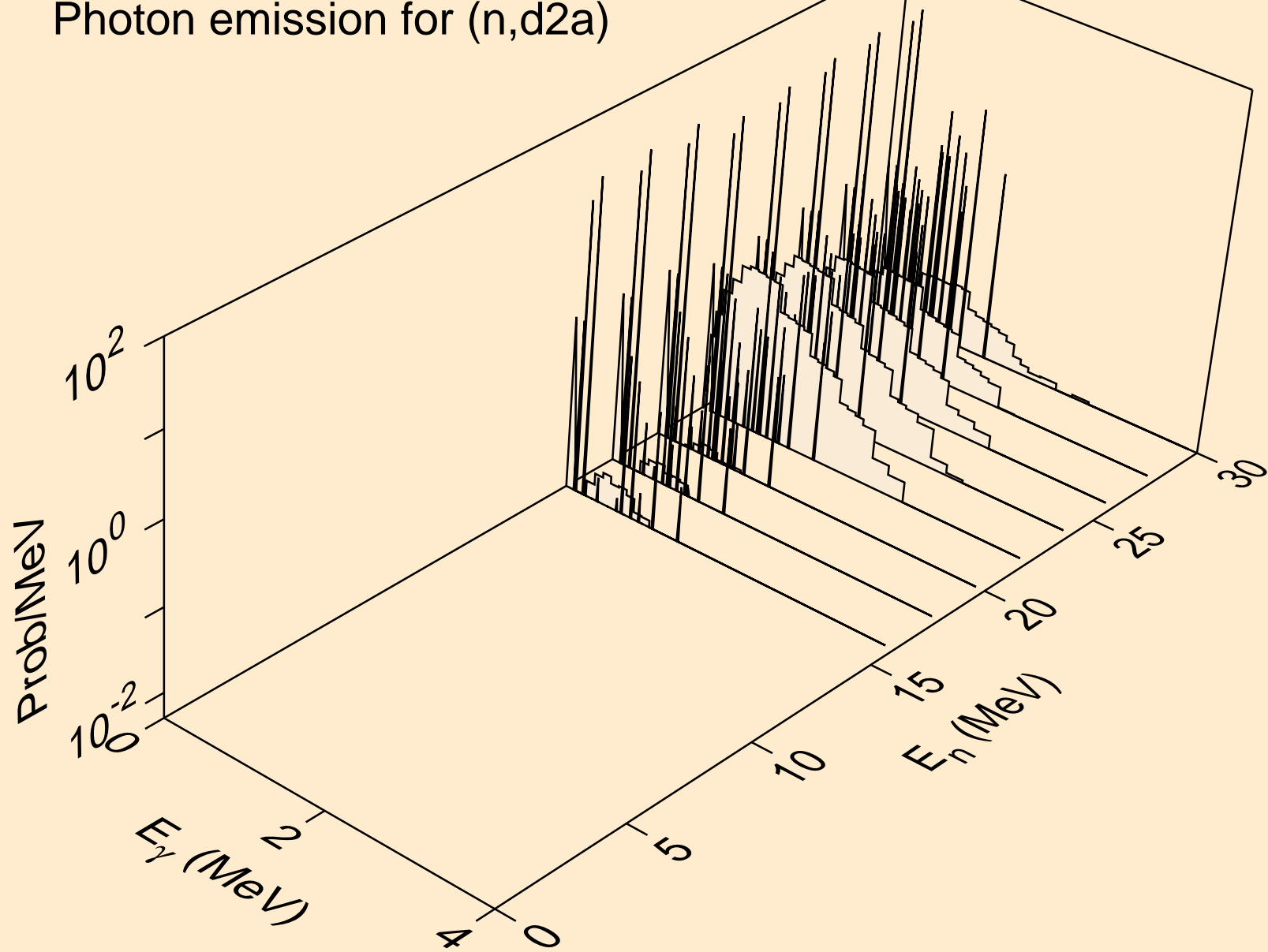


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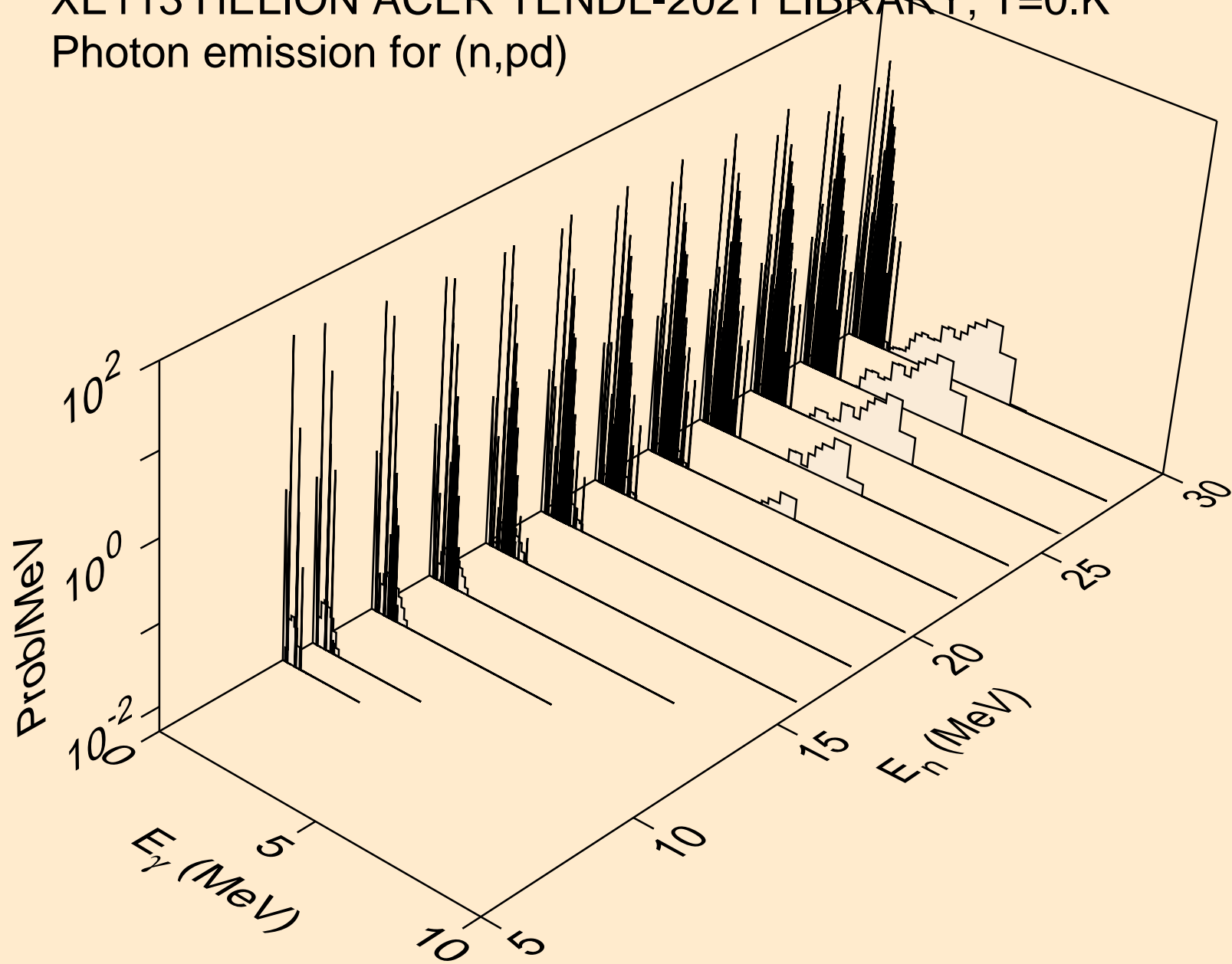




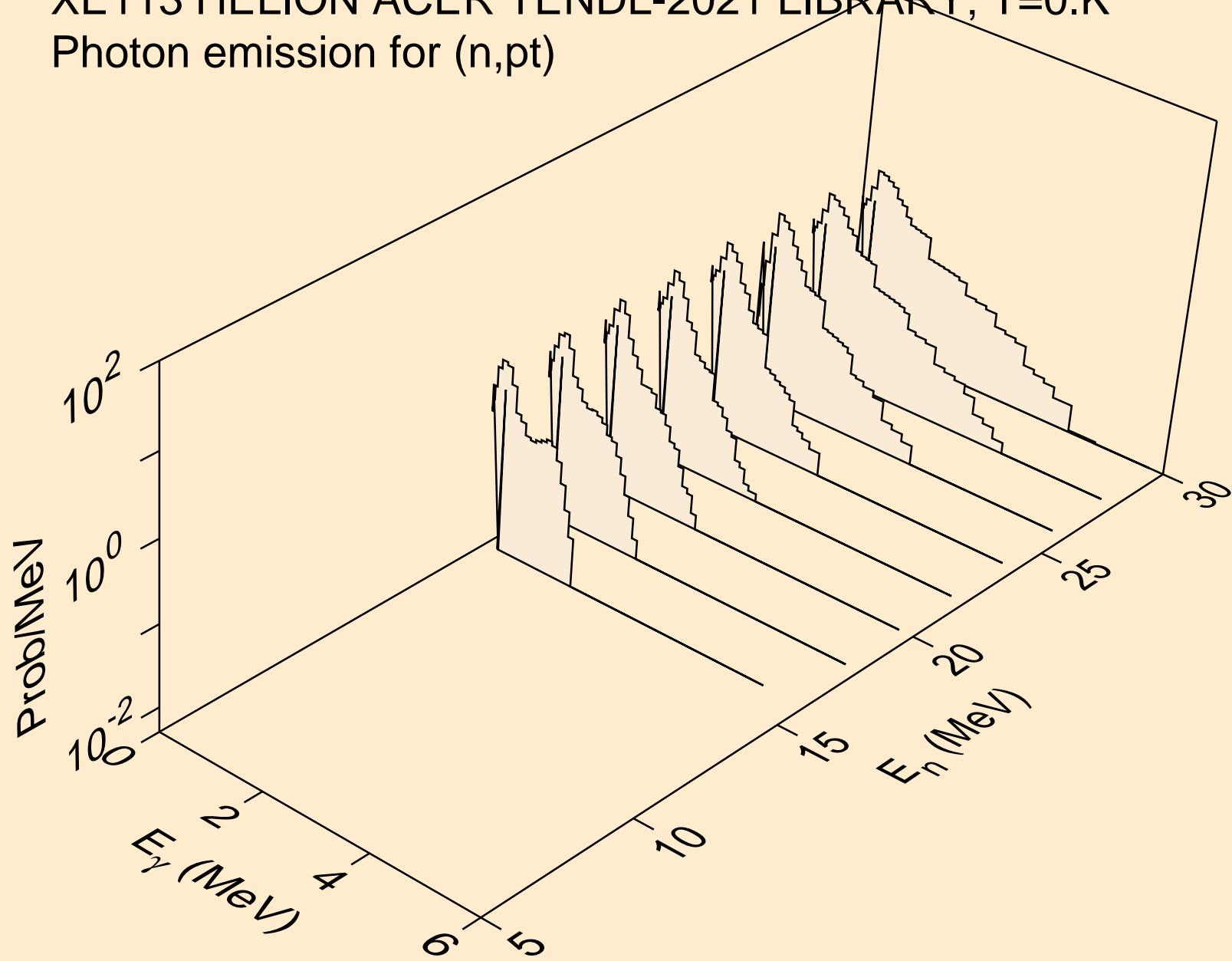
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Photon emission for (n,d2a)



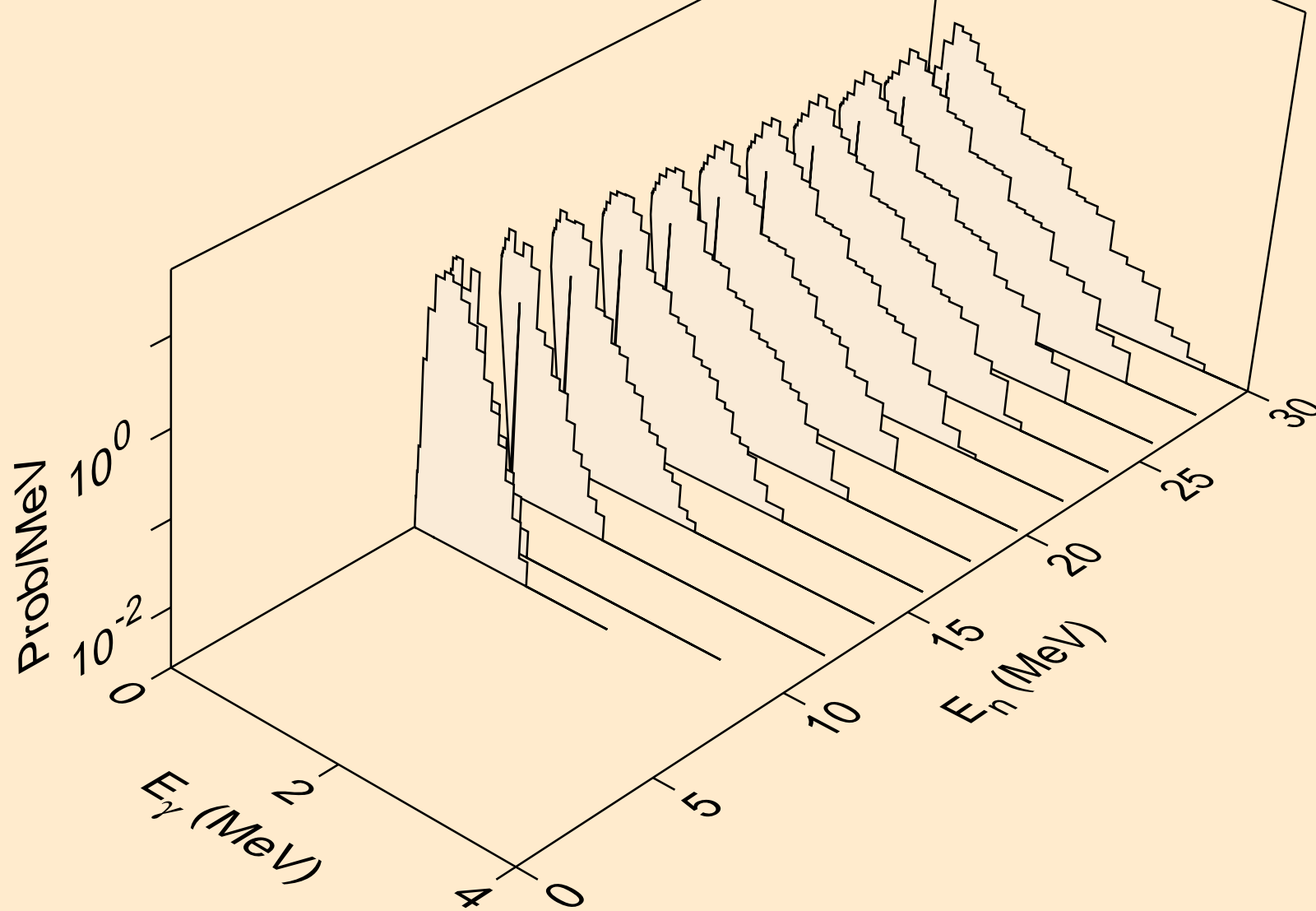
XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)



XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)

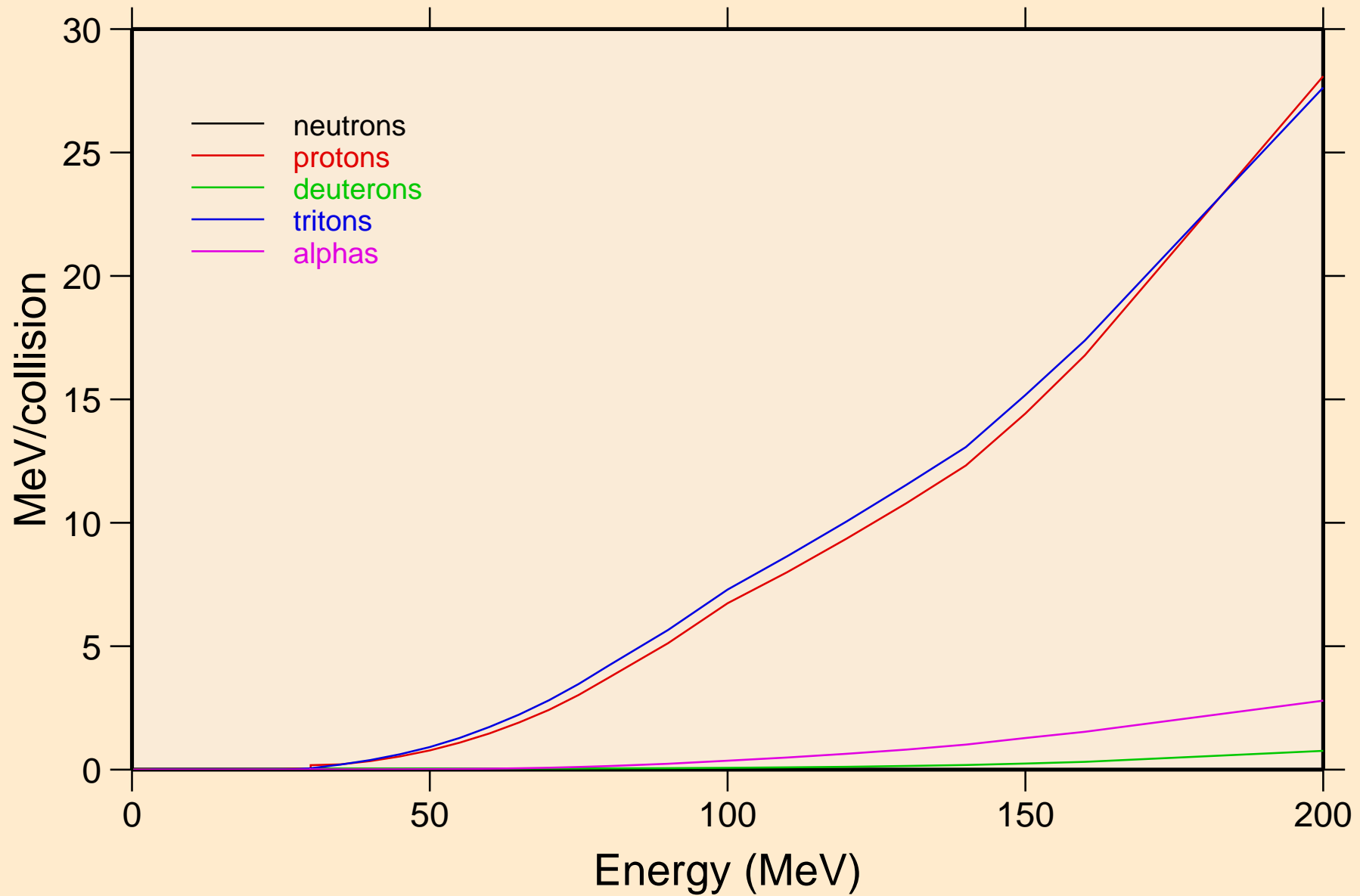


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Photon emission for (n,da)

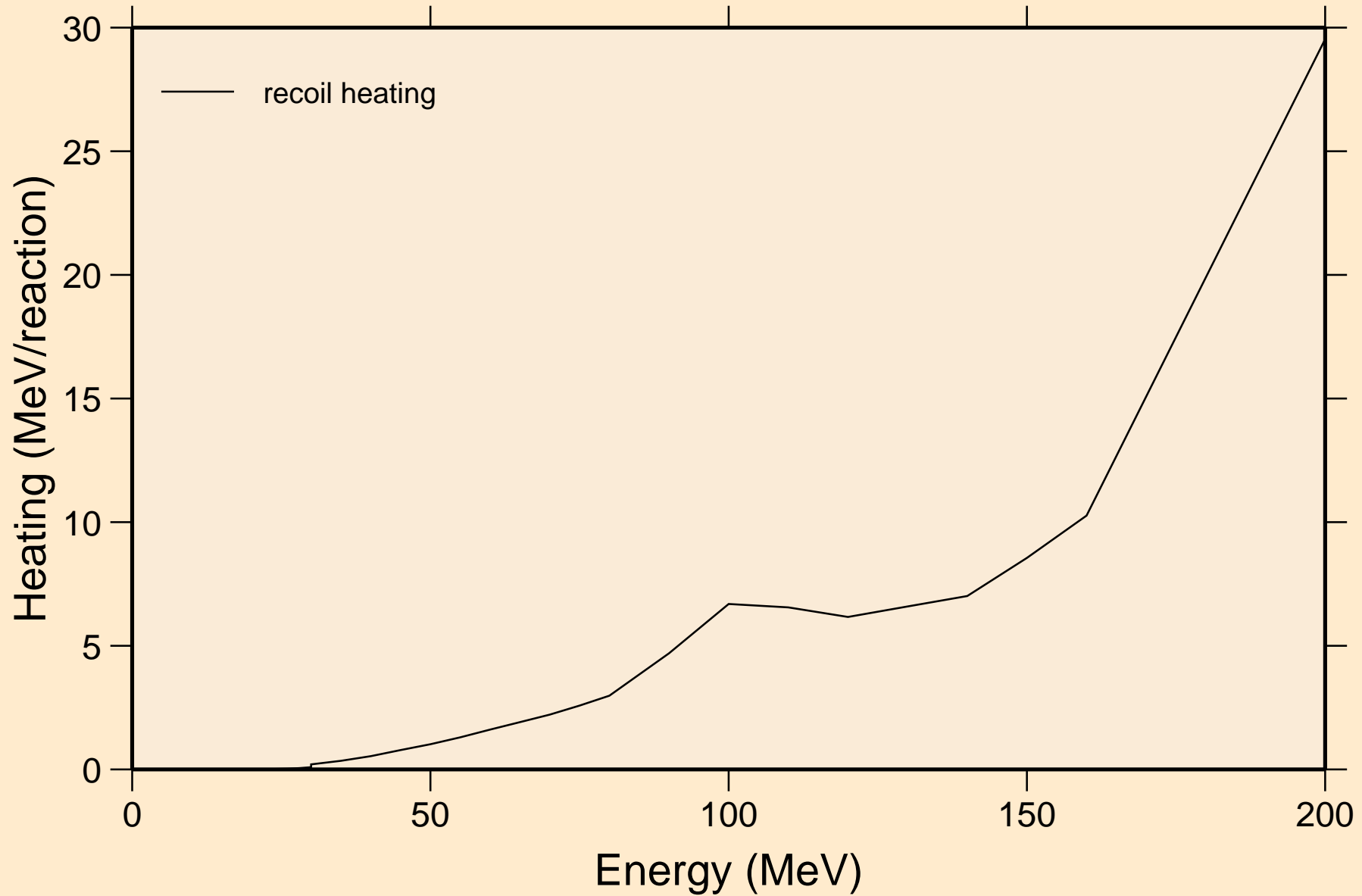


# XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K

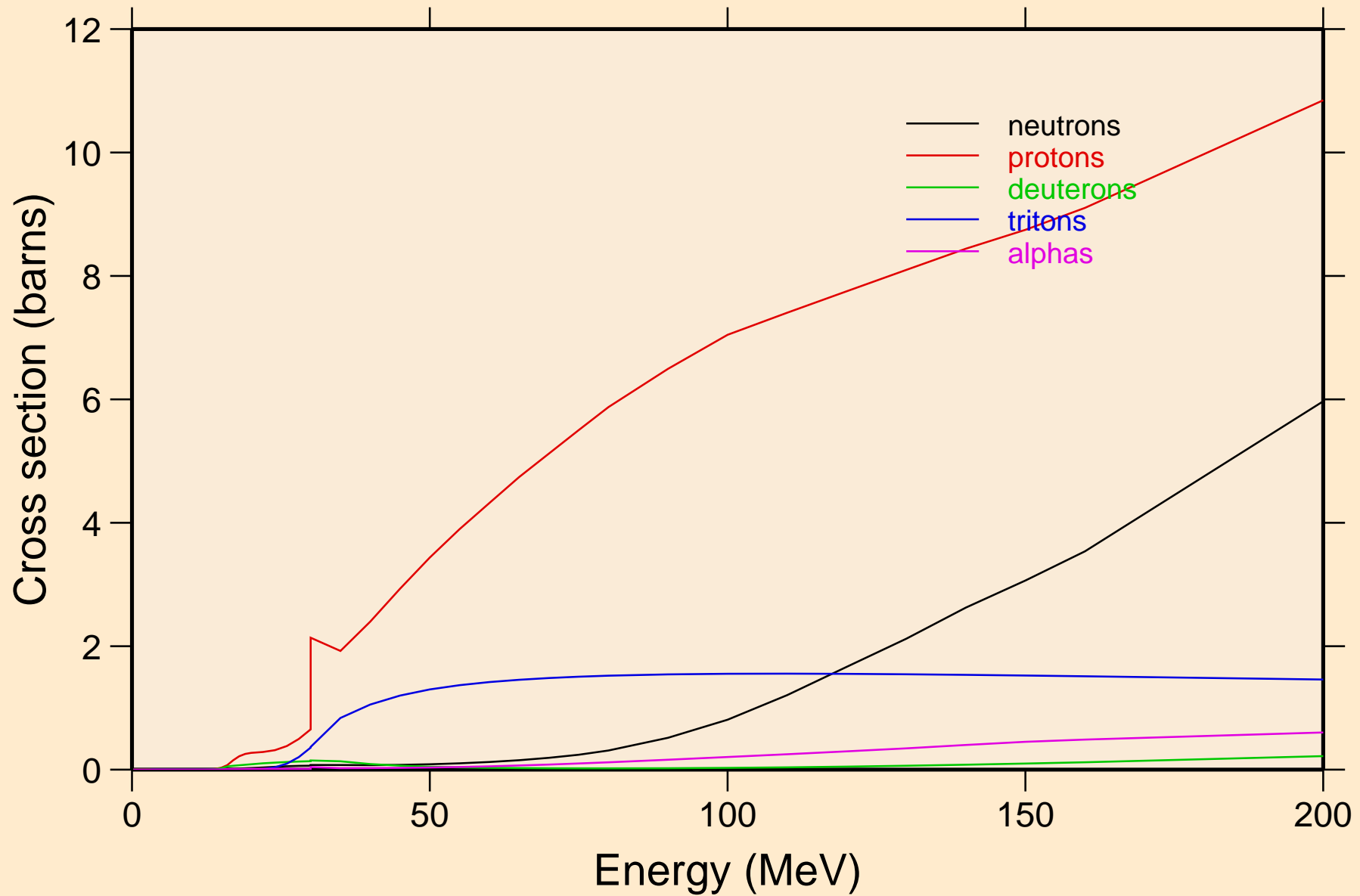
## Particle heating contributions



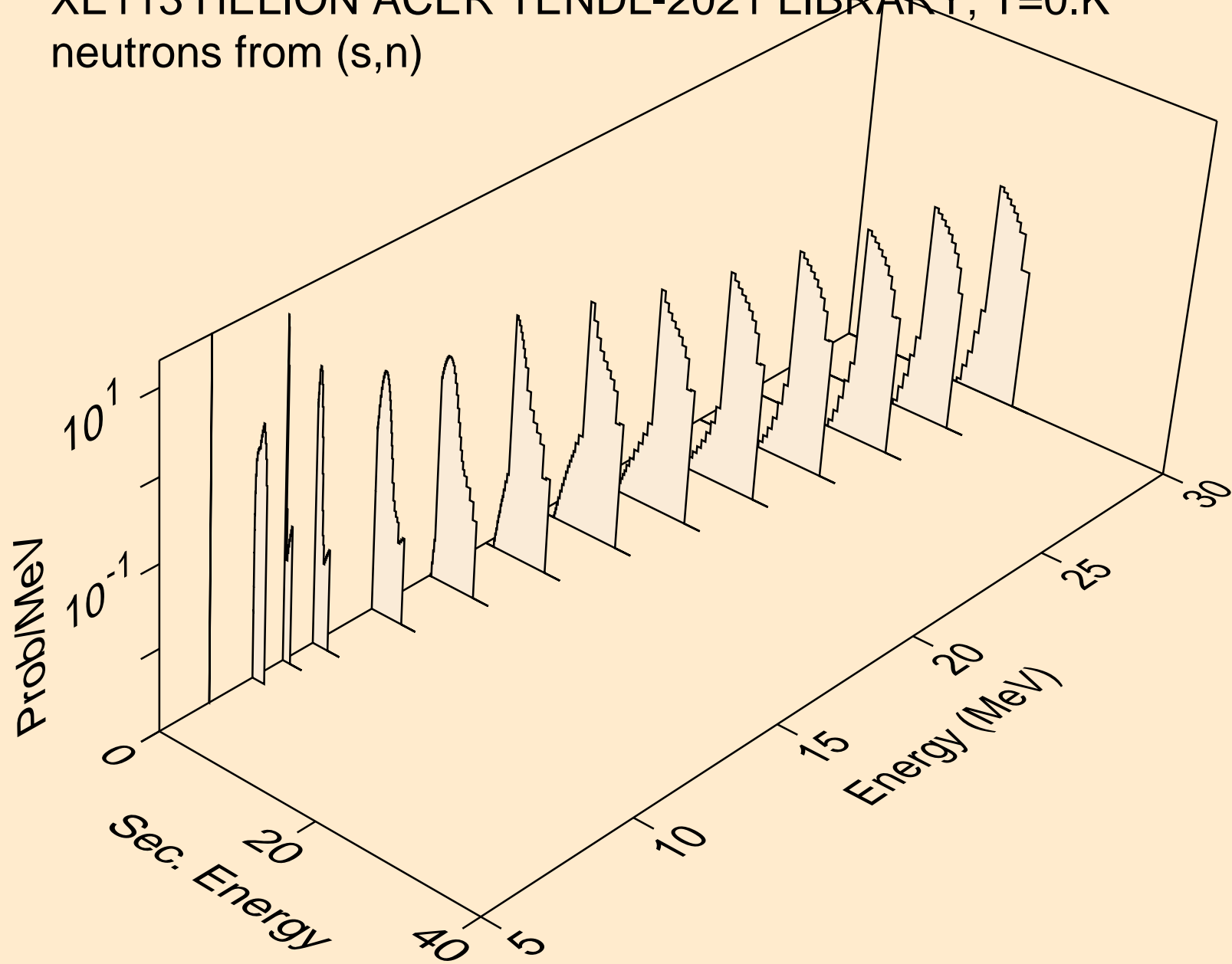
XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Recoil Heating



XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections

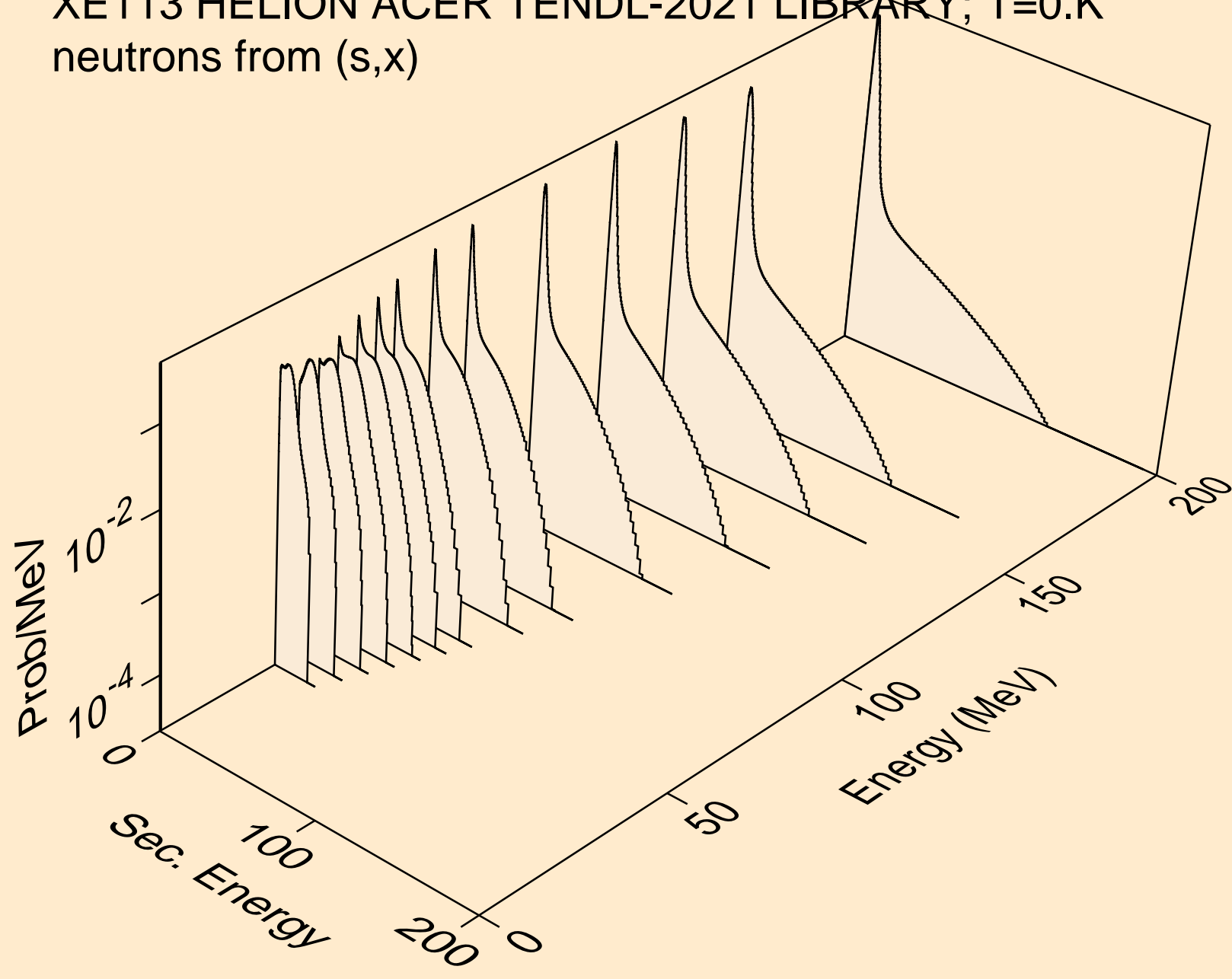


XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n)

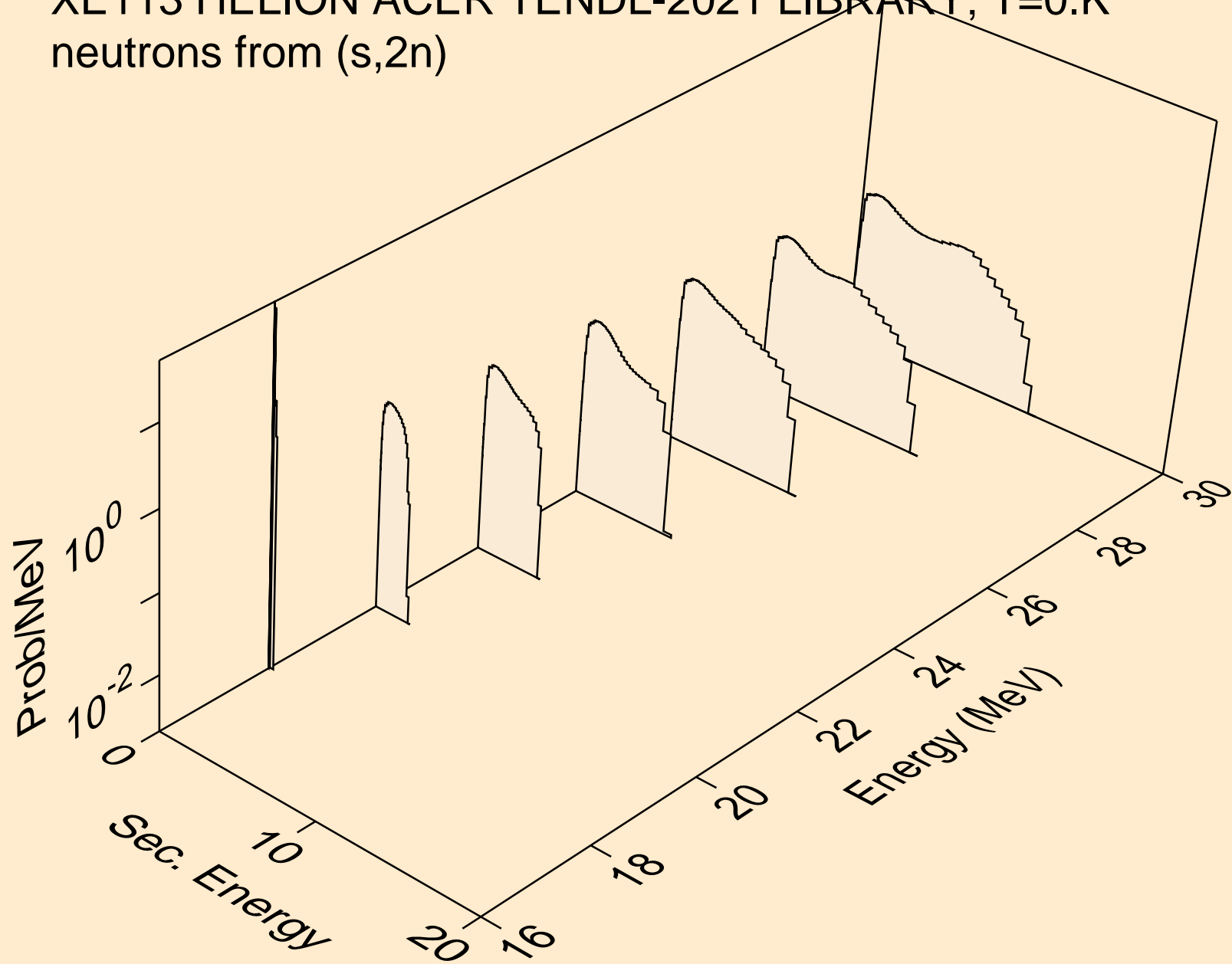




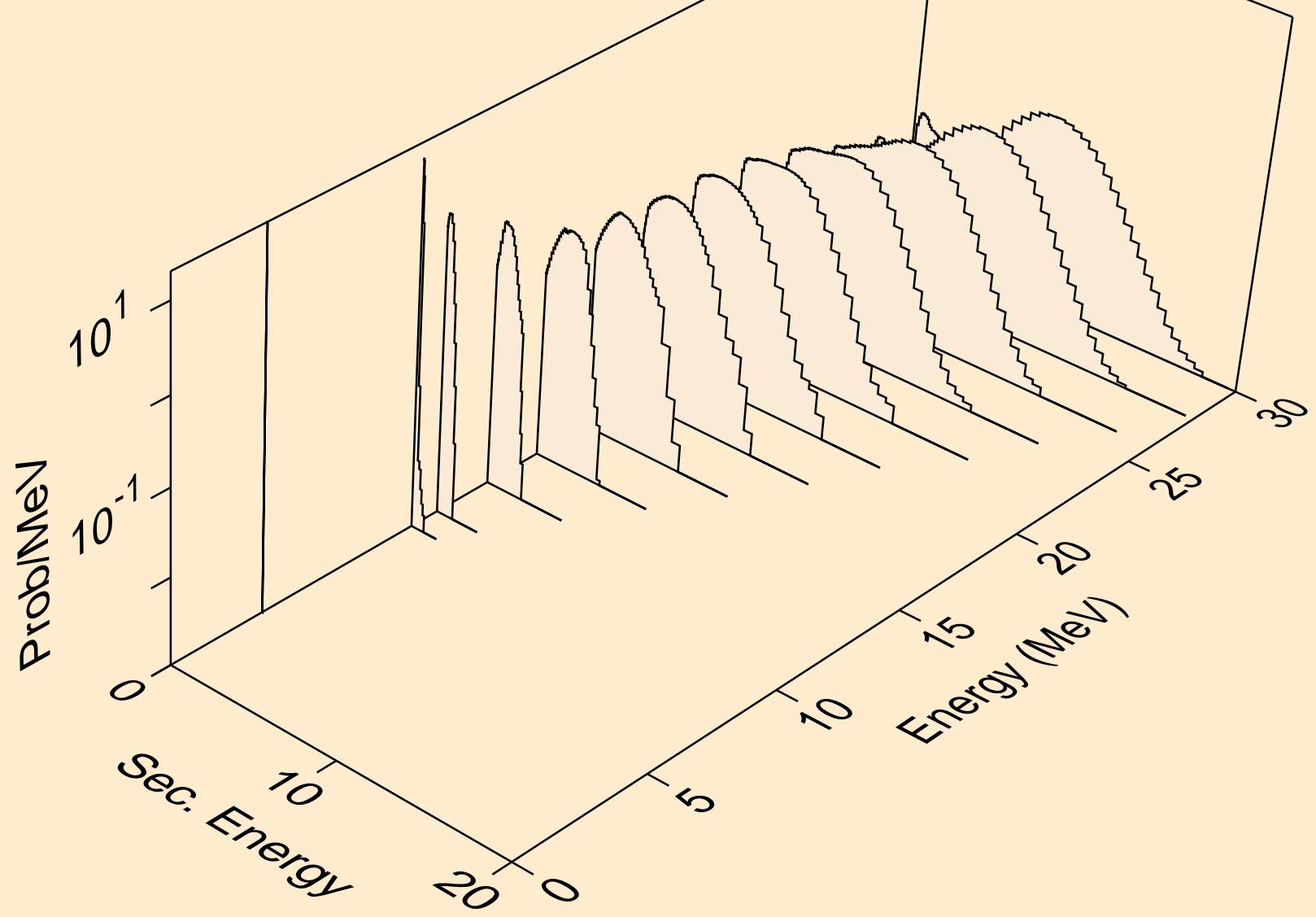
XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,x)



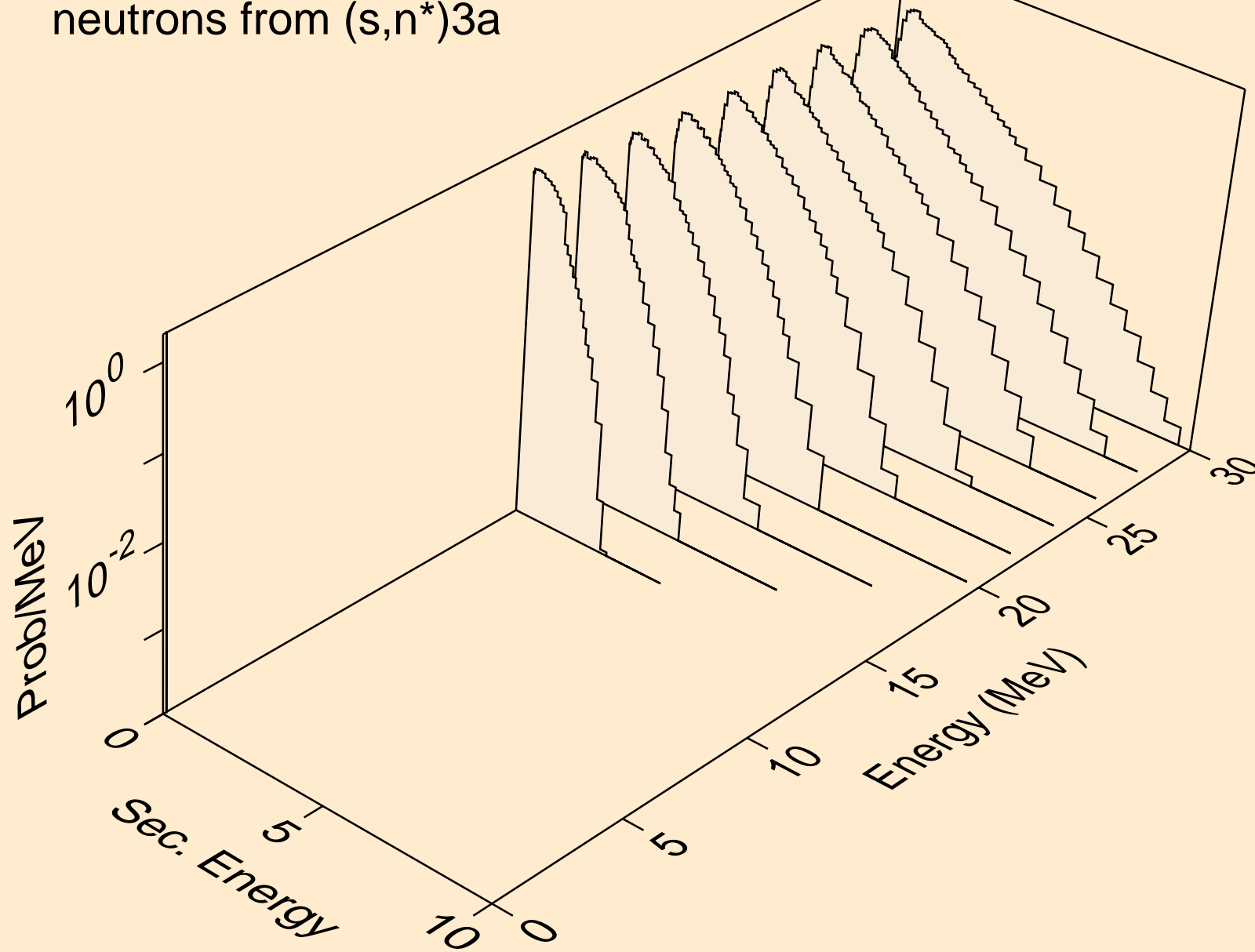
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neutrons from (s,2n)



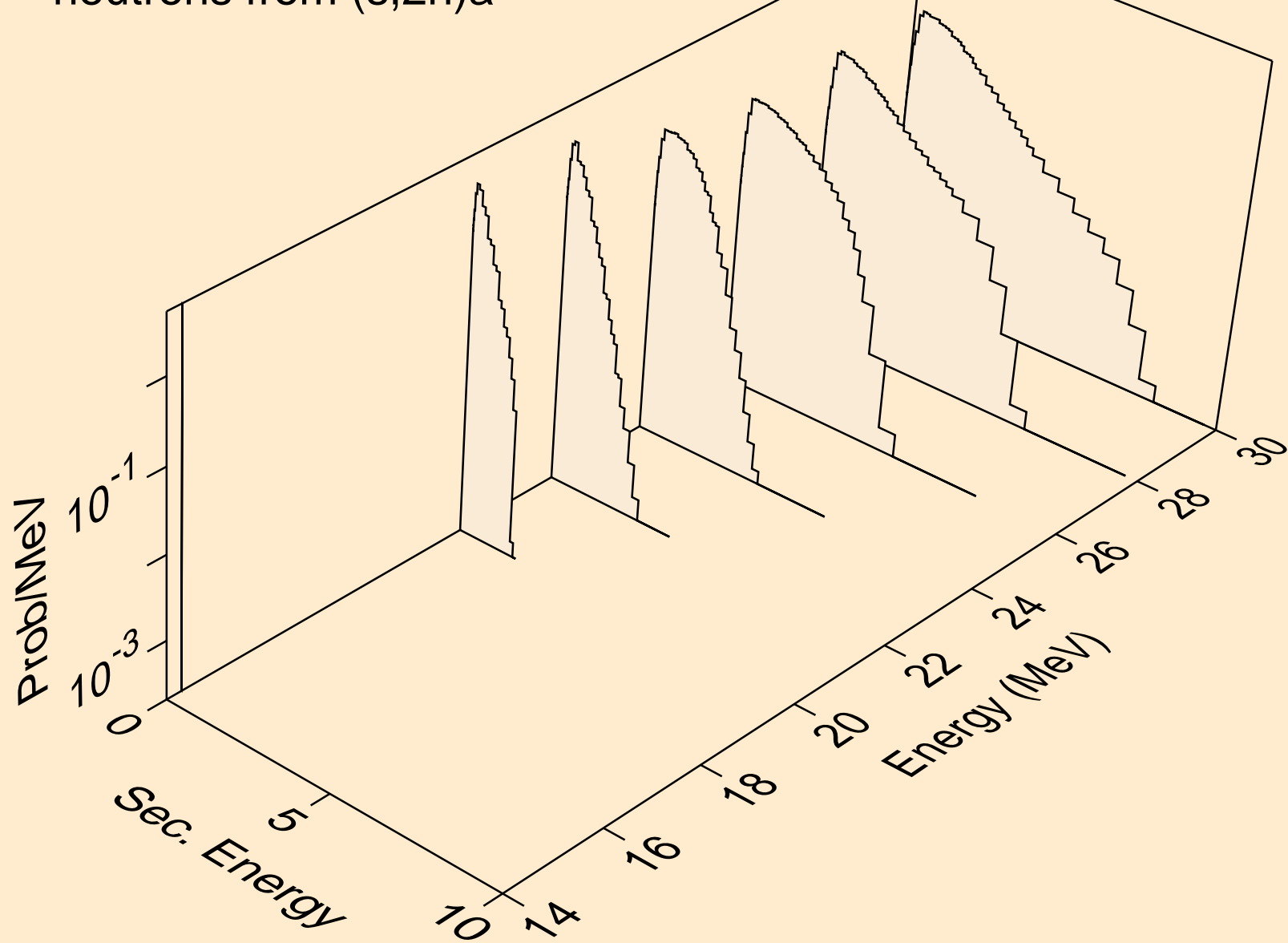
XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)a



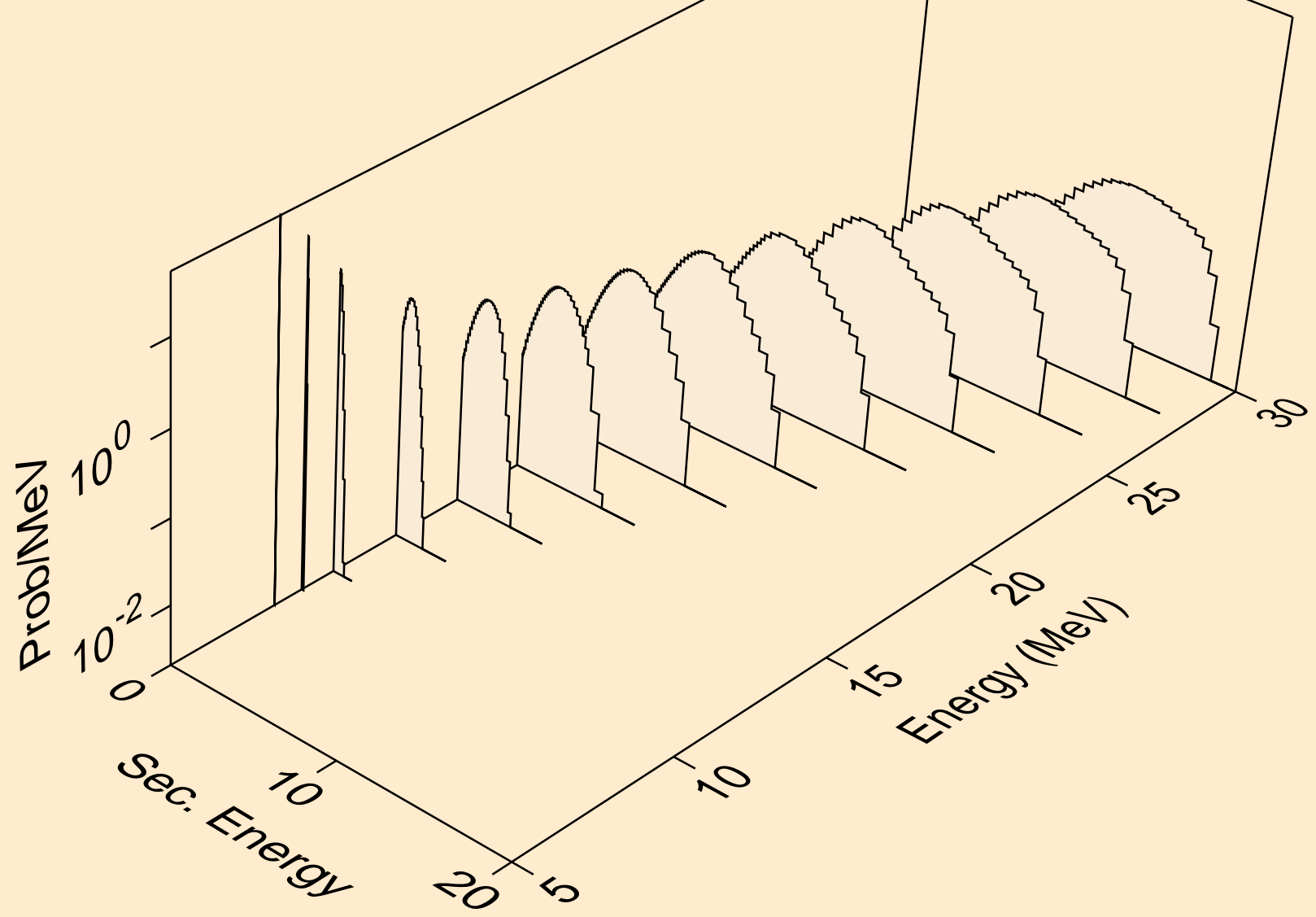
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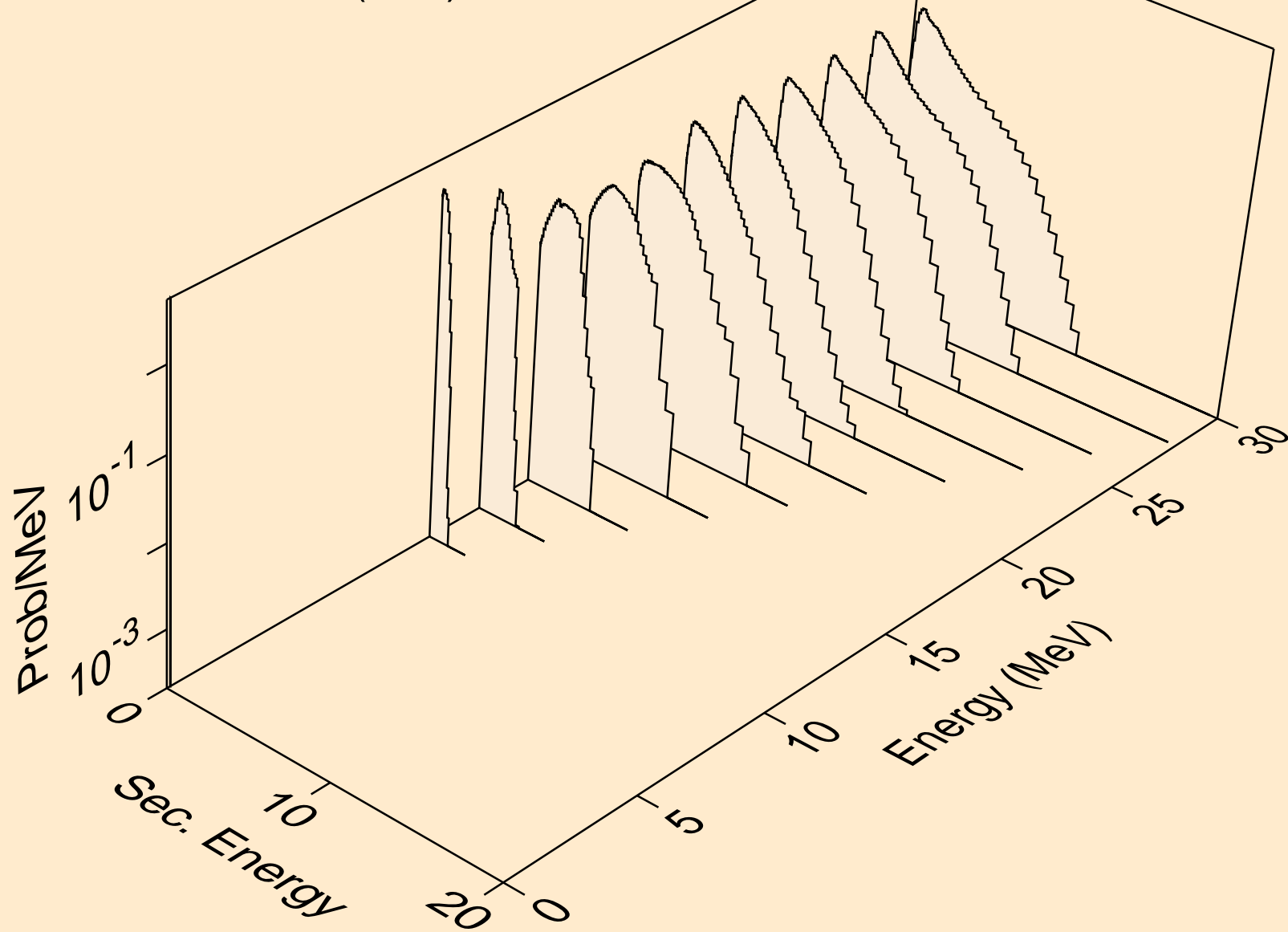
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neutrons from (s,2n)a



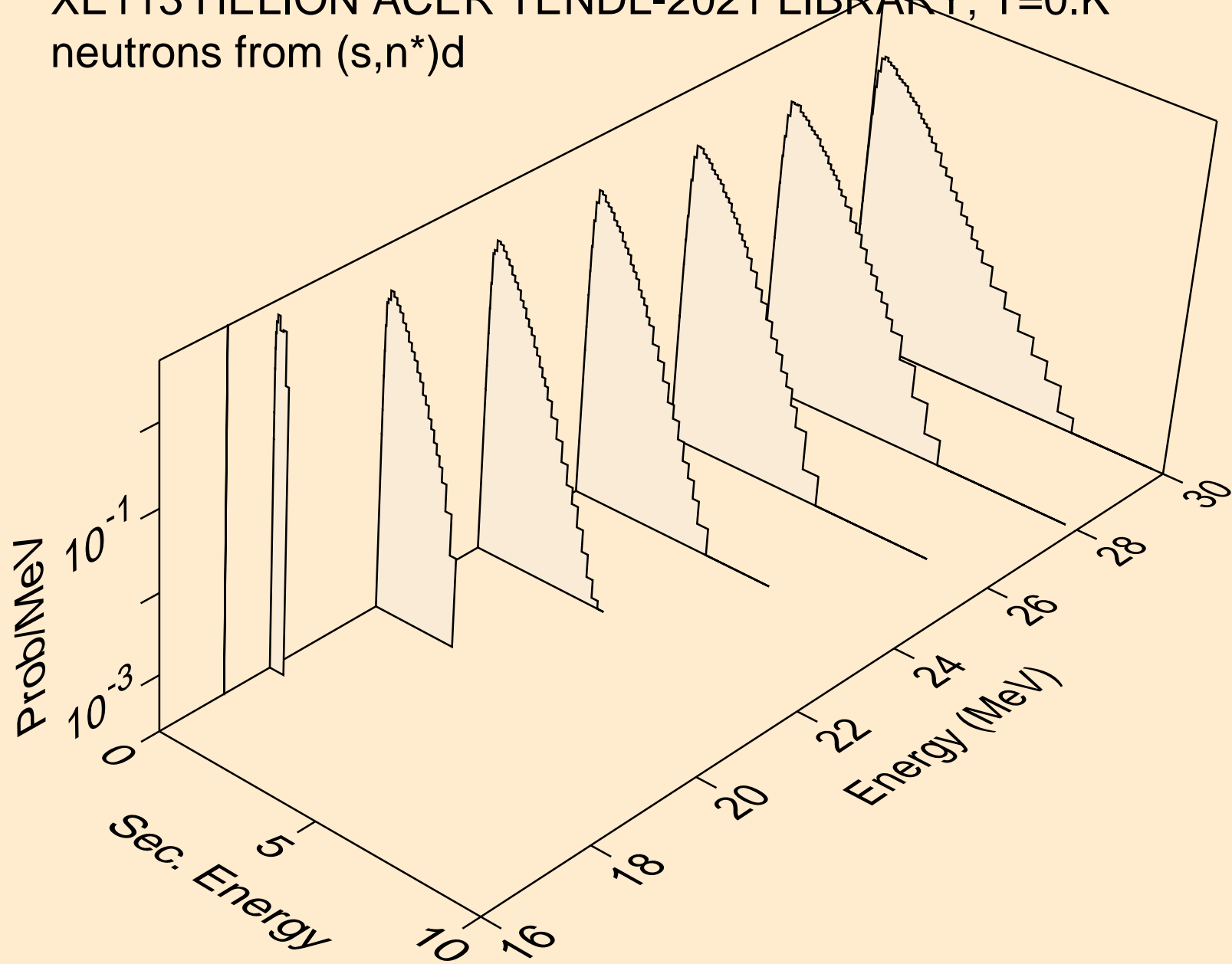
XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)p



XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)2a

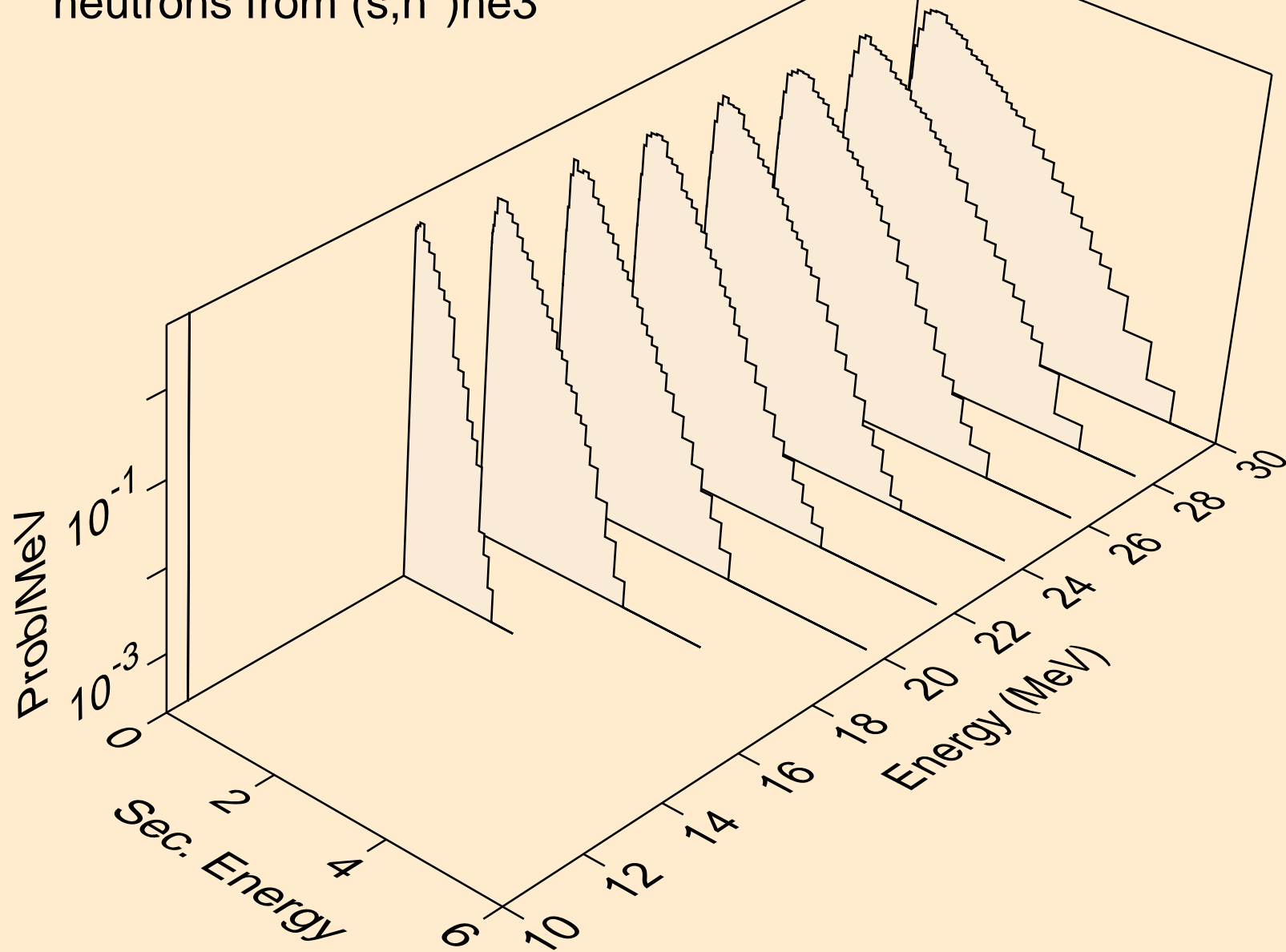


XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)d

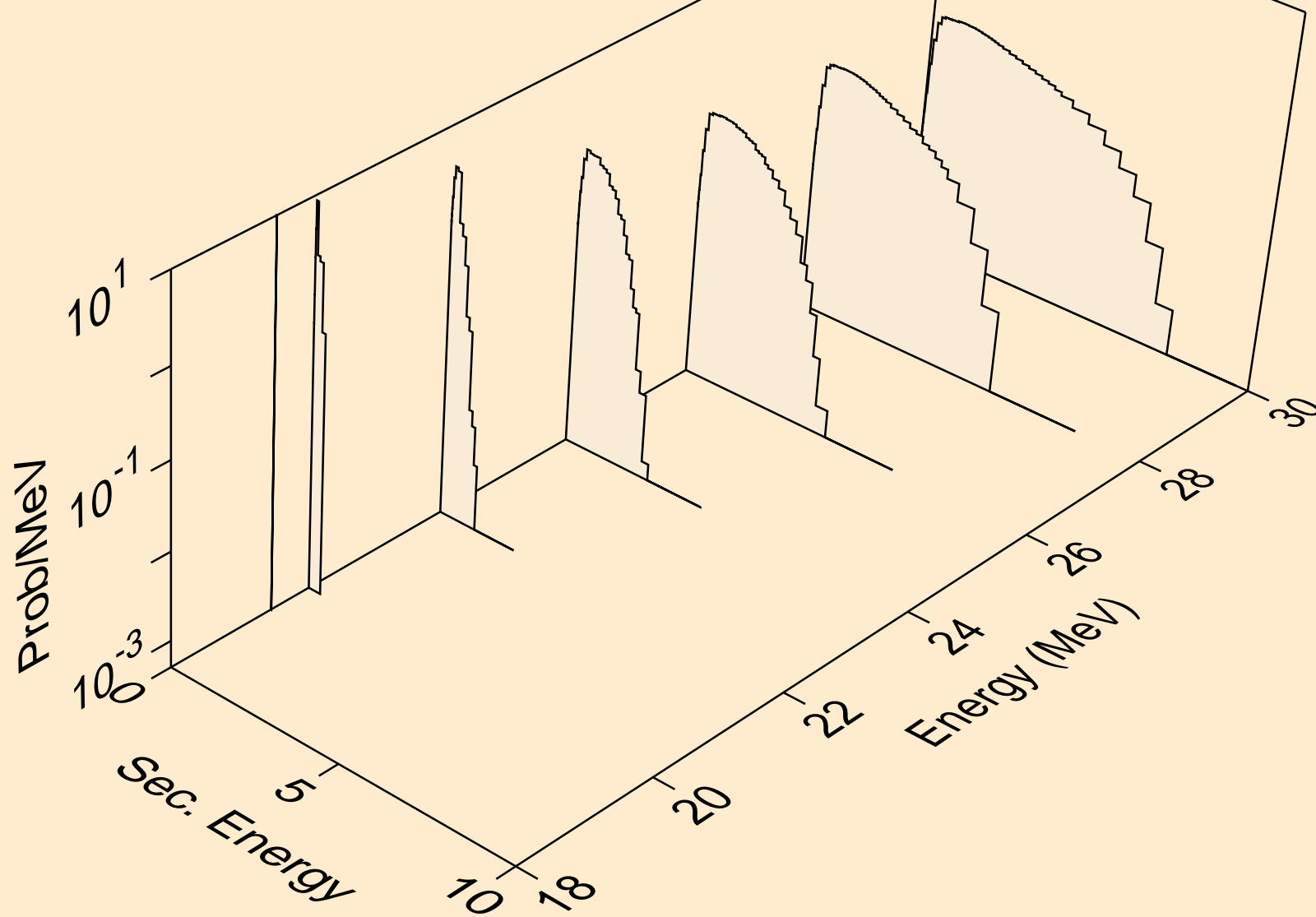




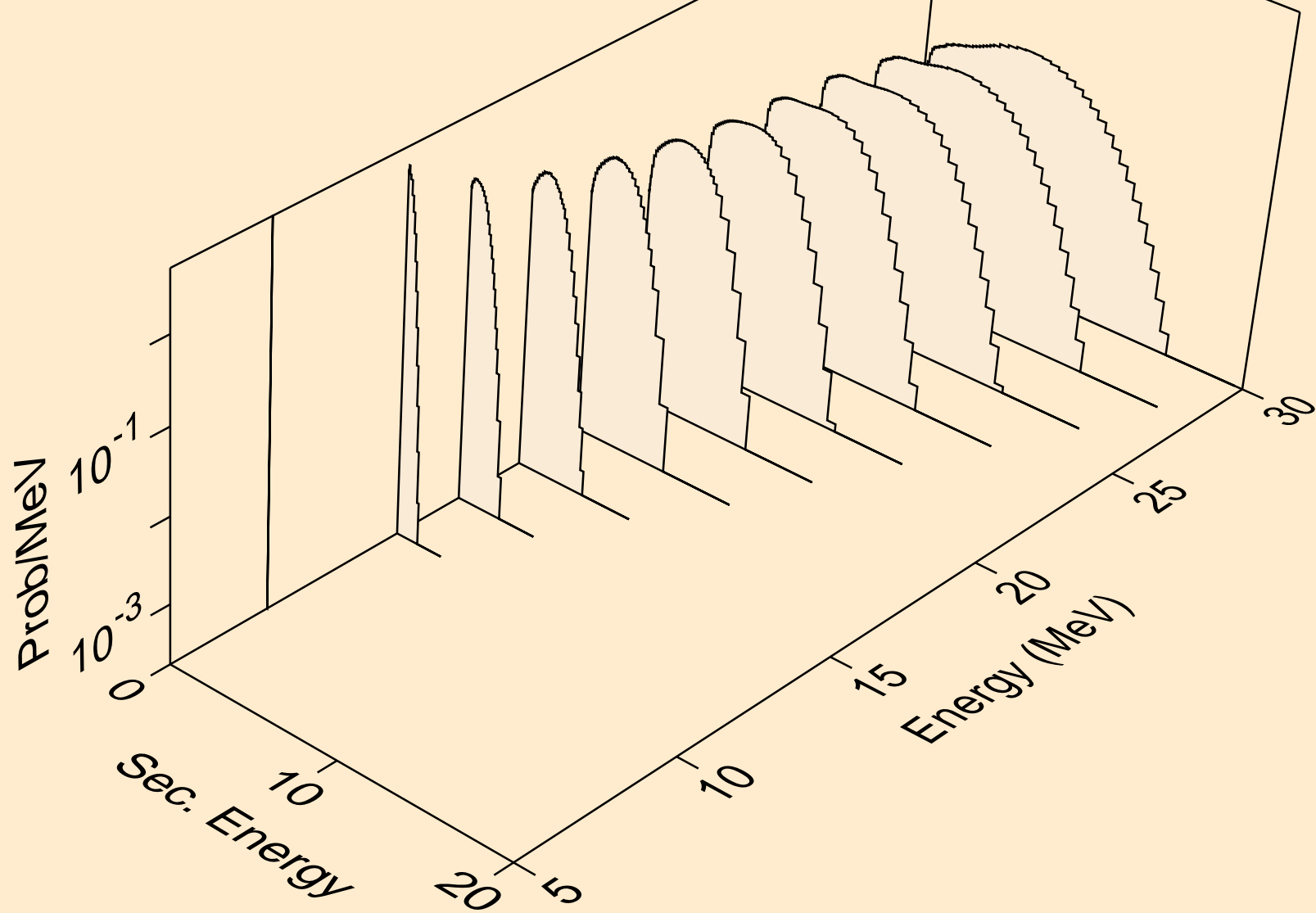
XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)he3



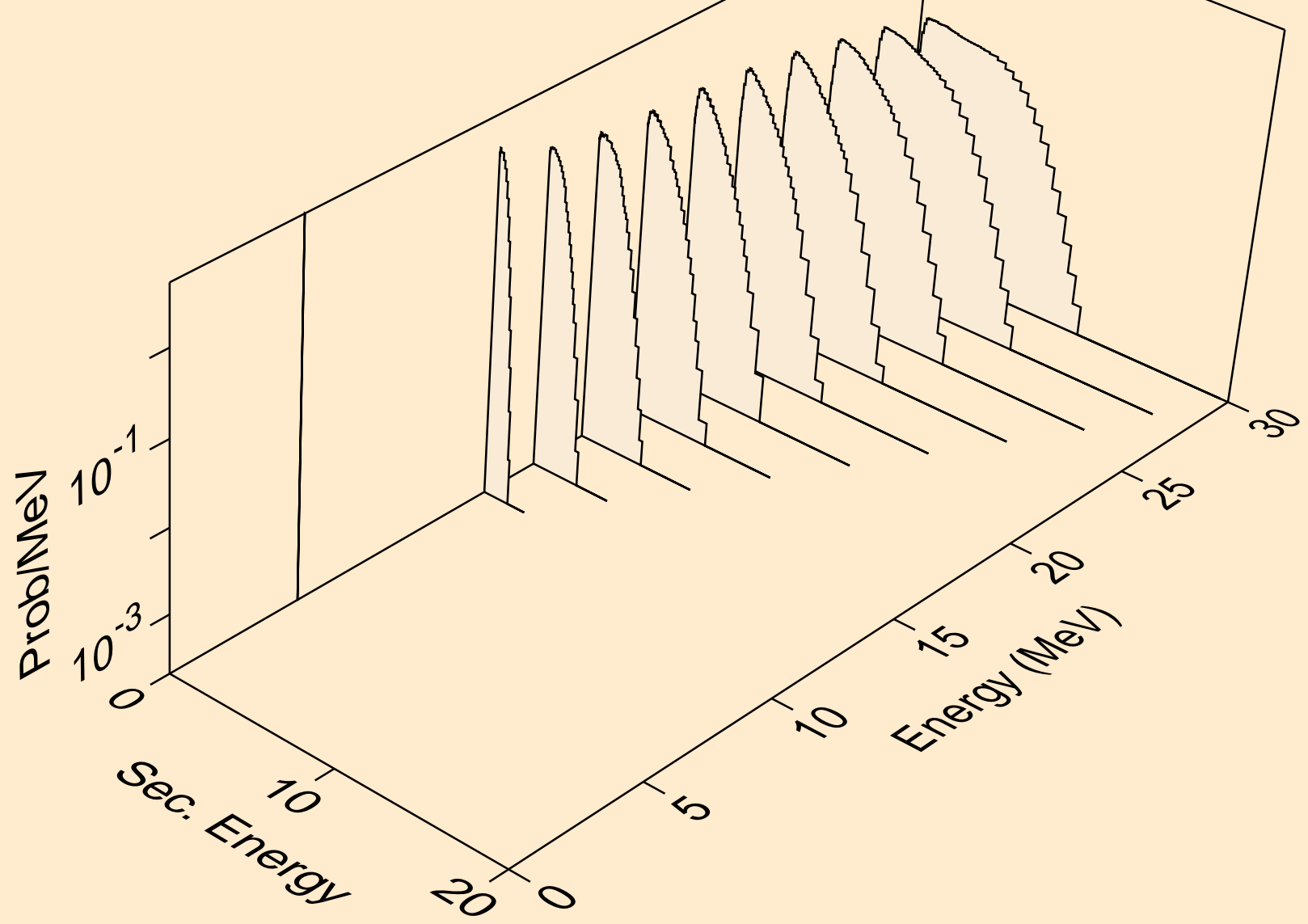
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neutrons from (s,2np)



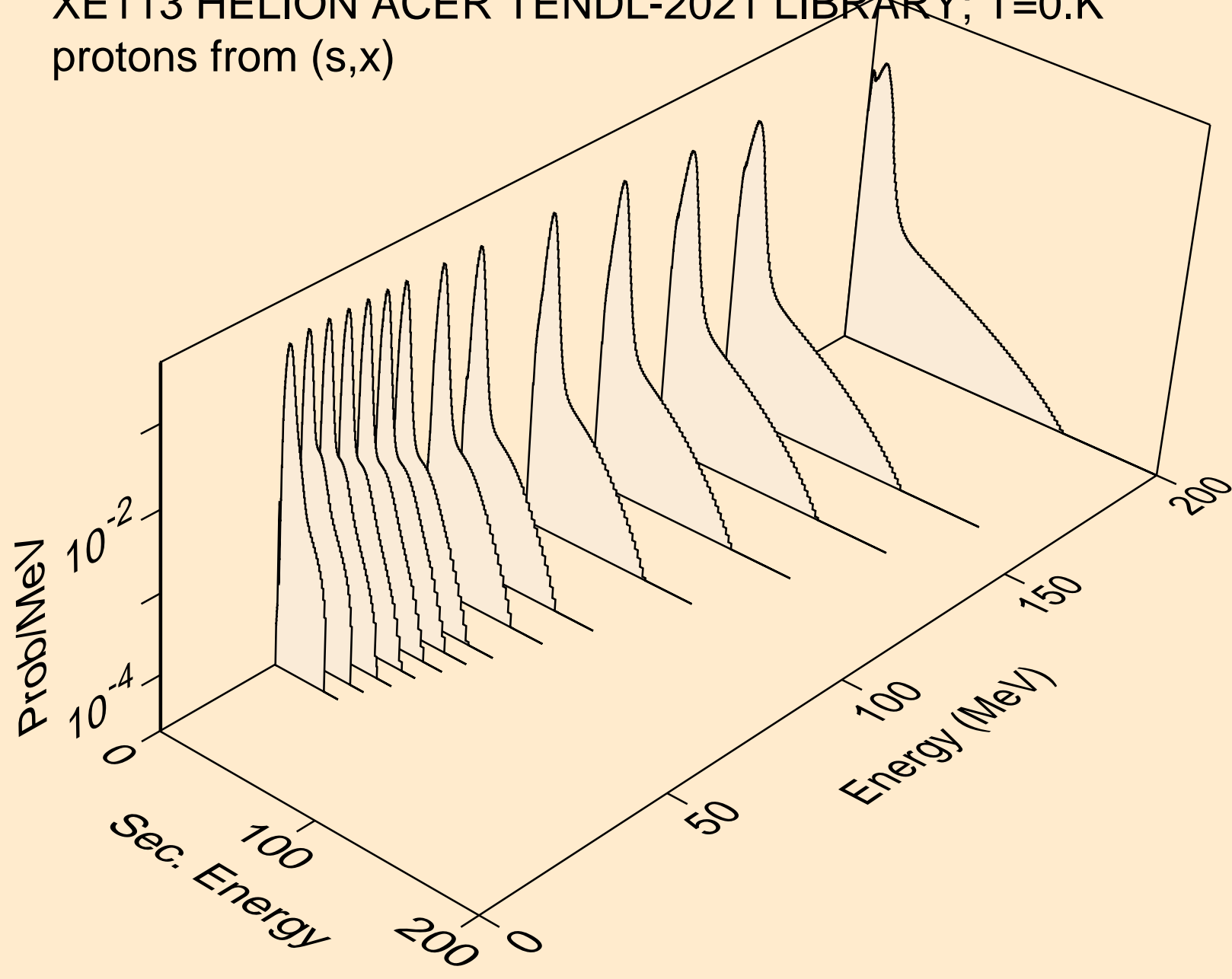
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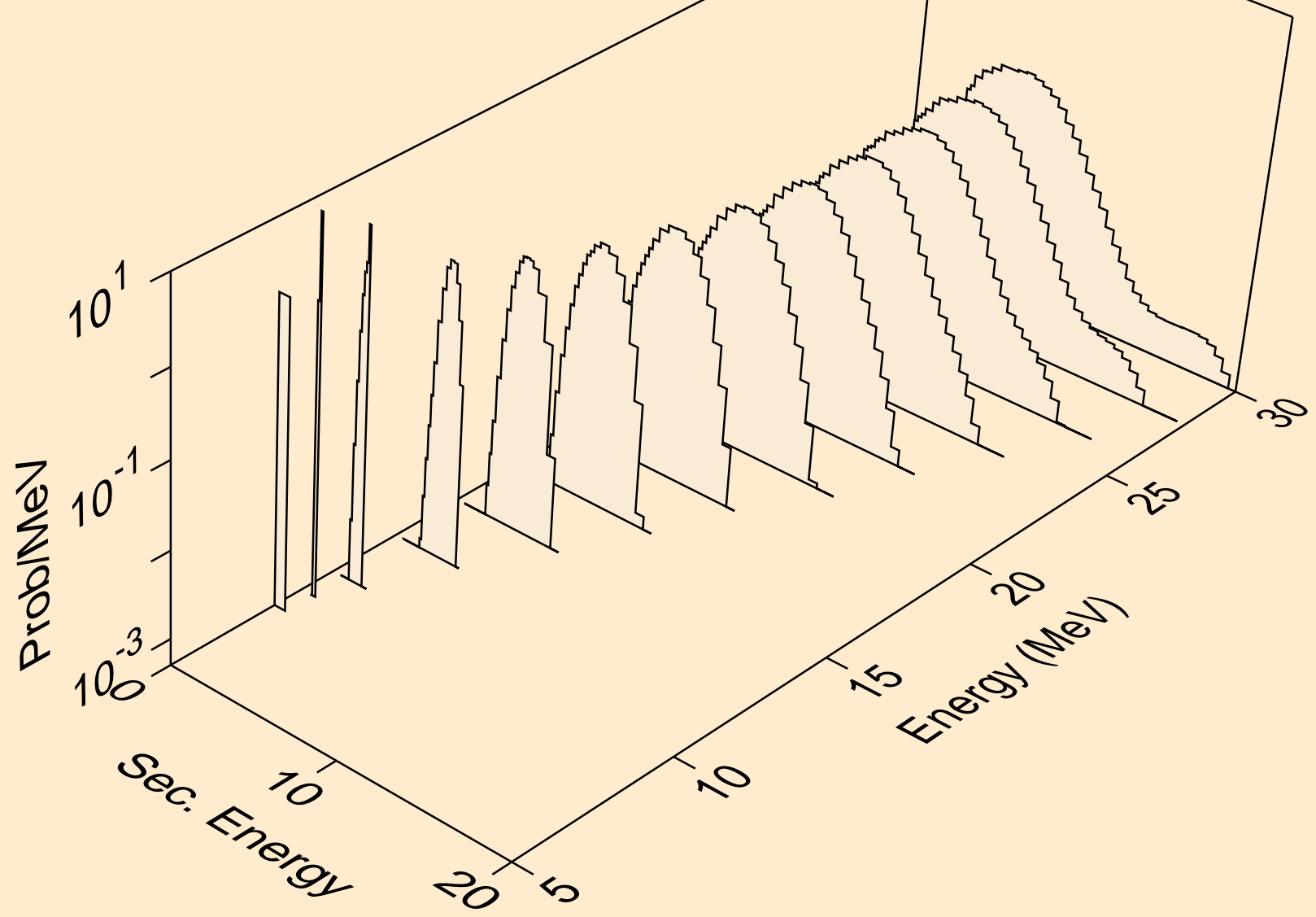
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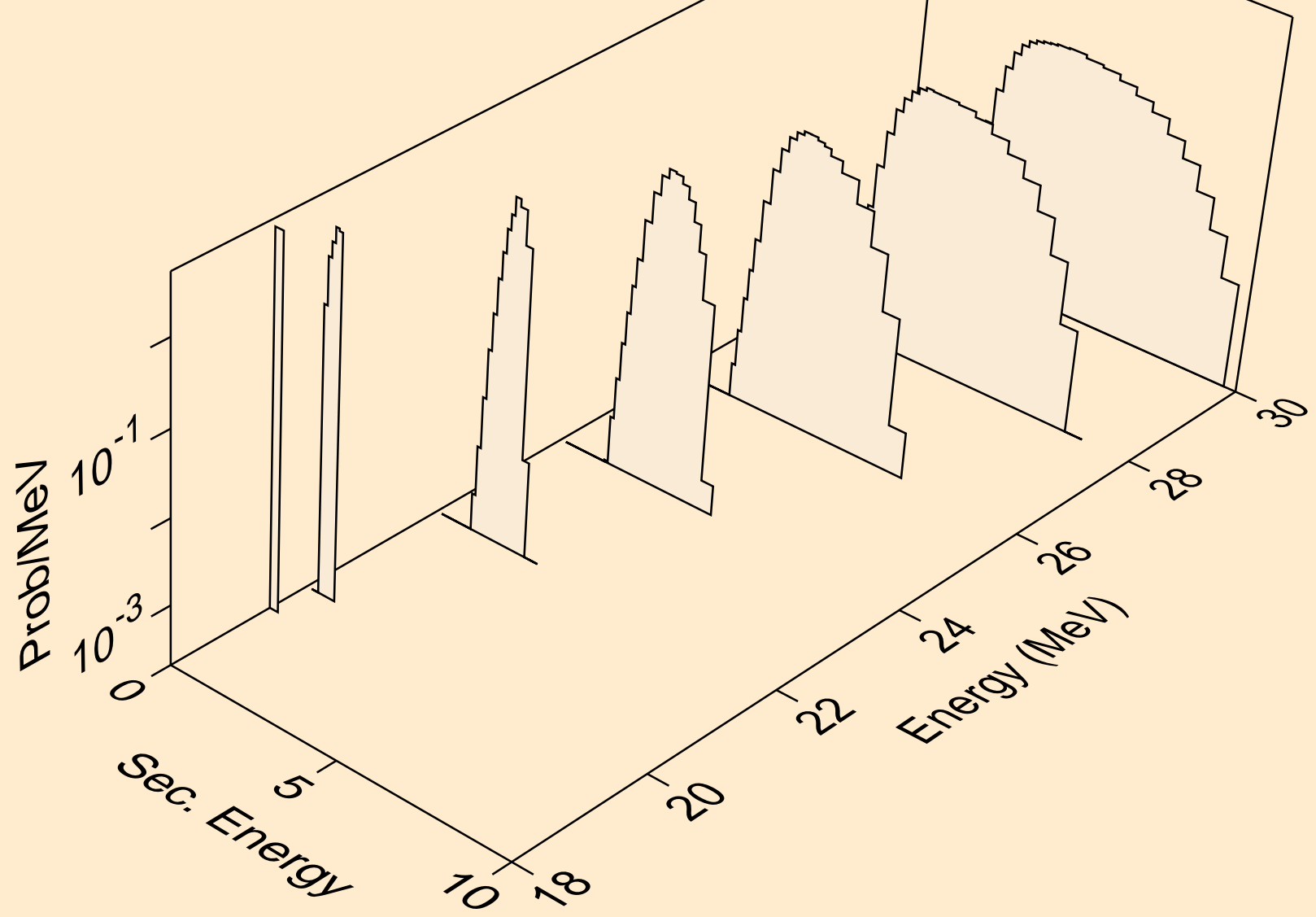
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protons from (s,x)



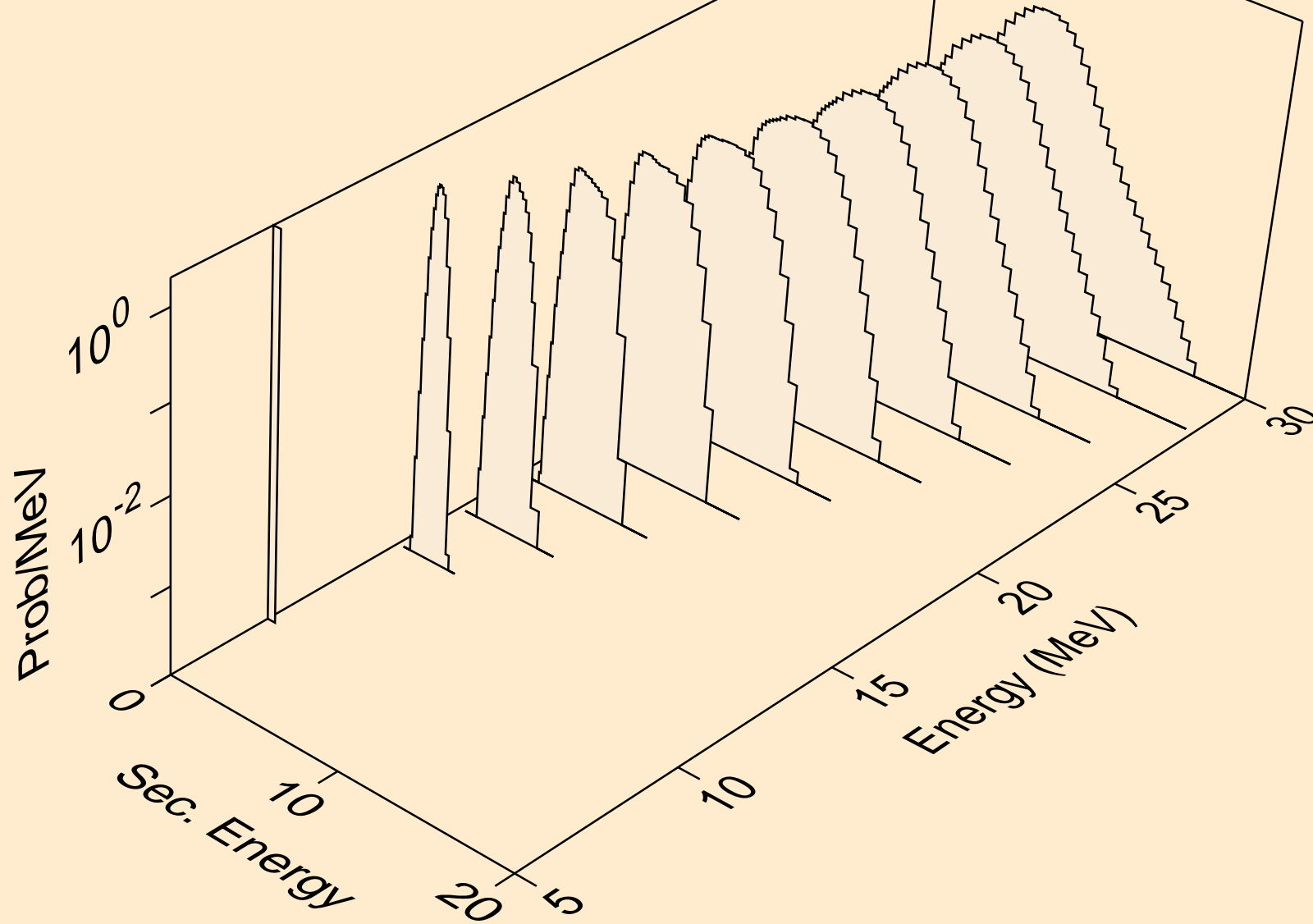
XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,n\*)p



XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,2np)

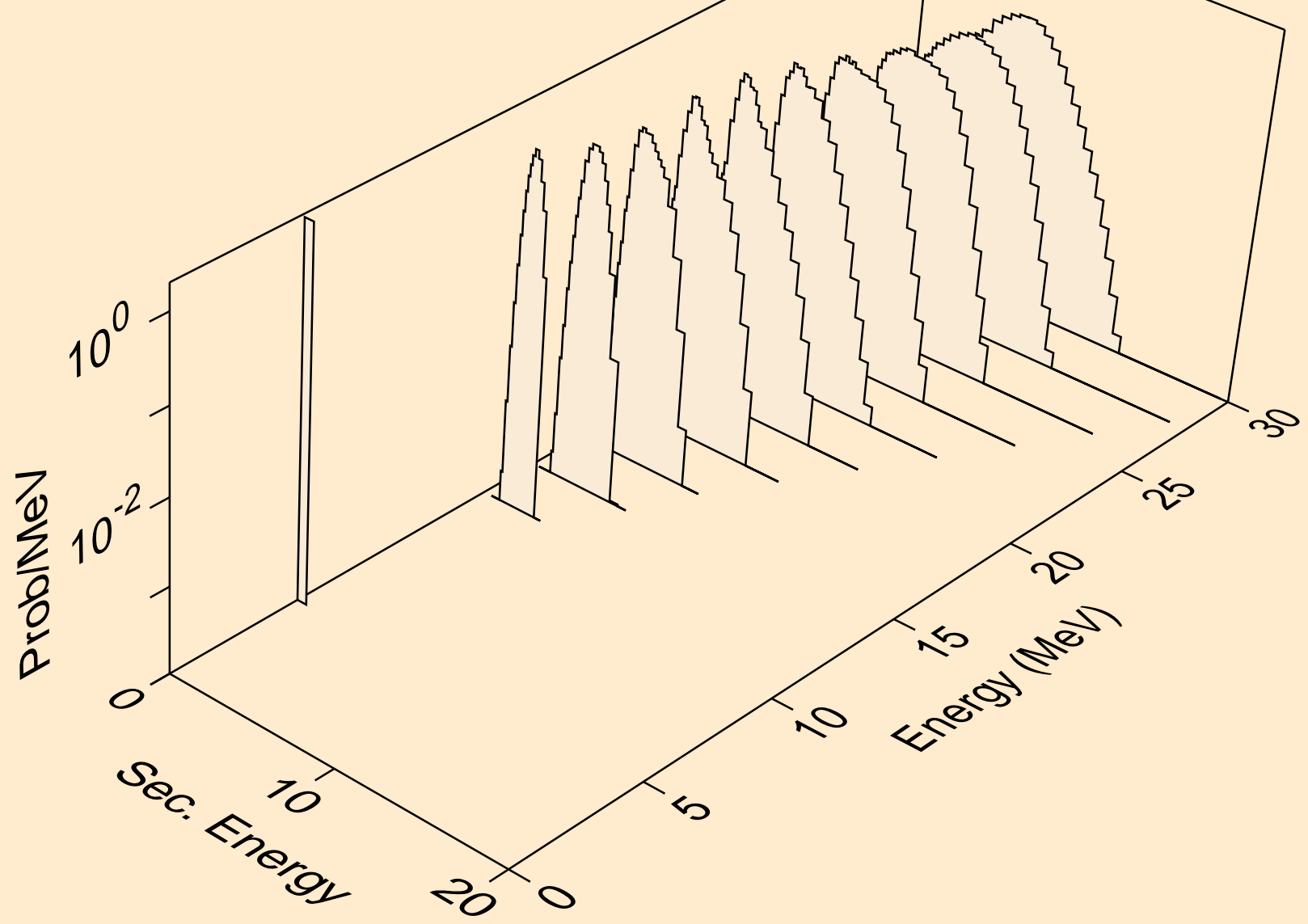


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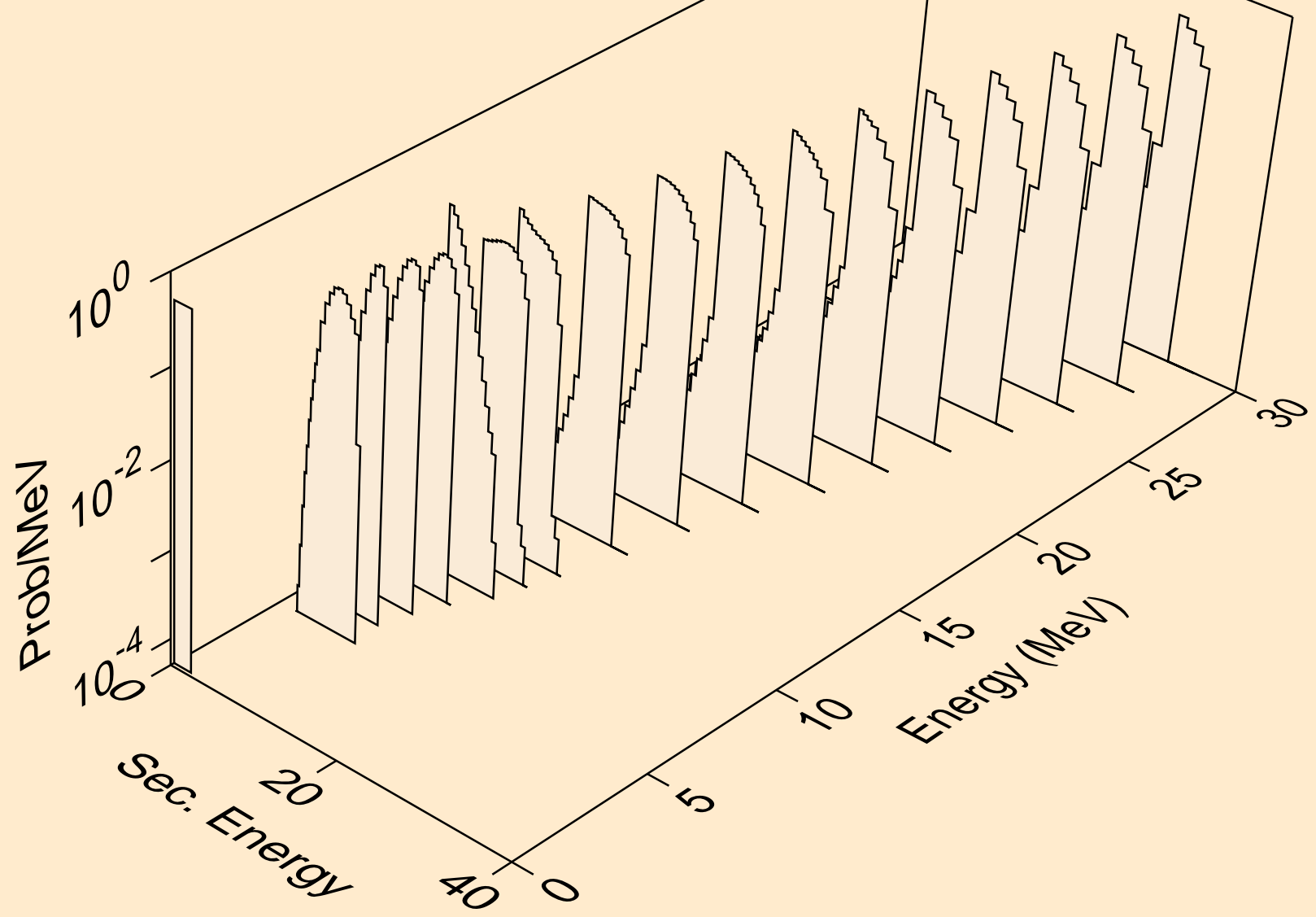




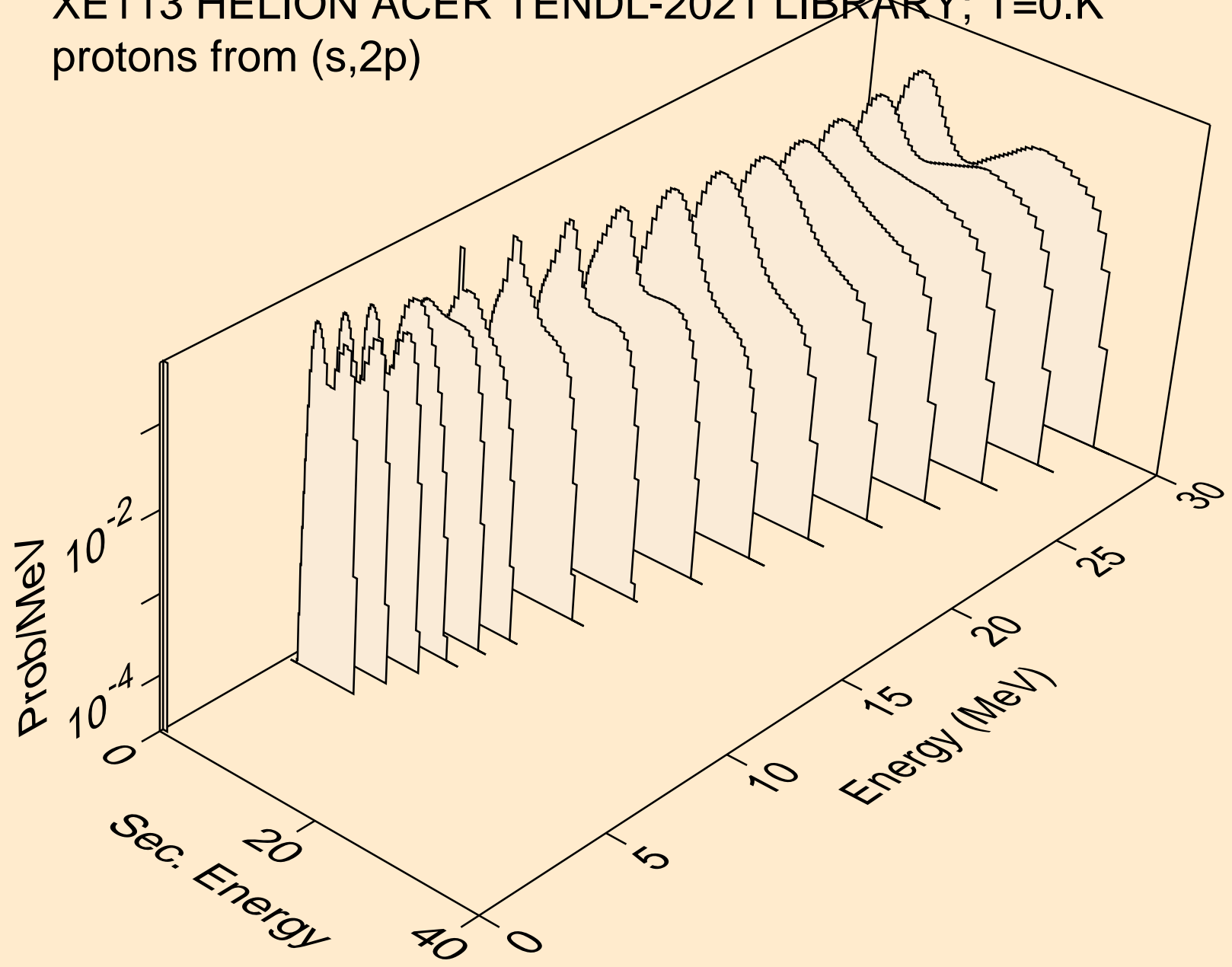
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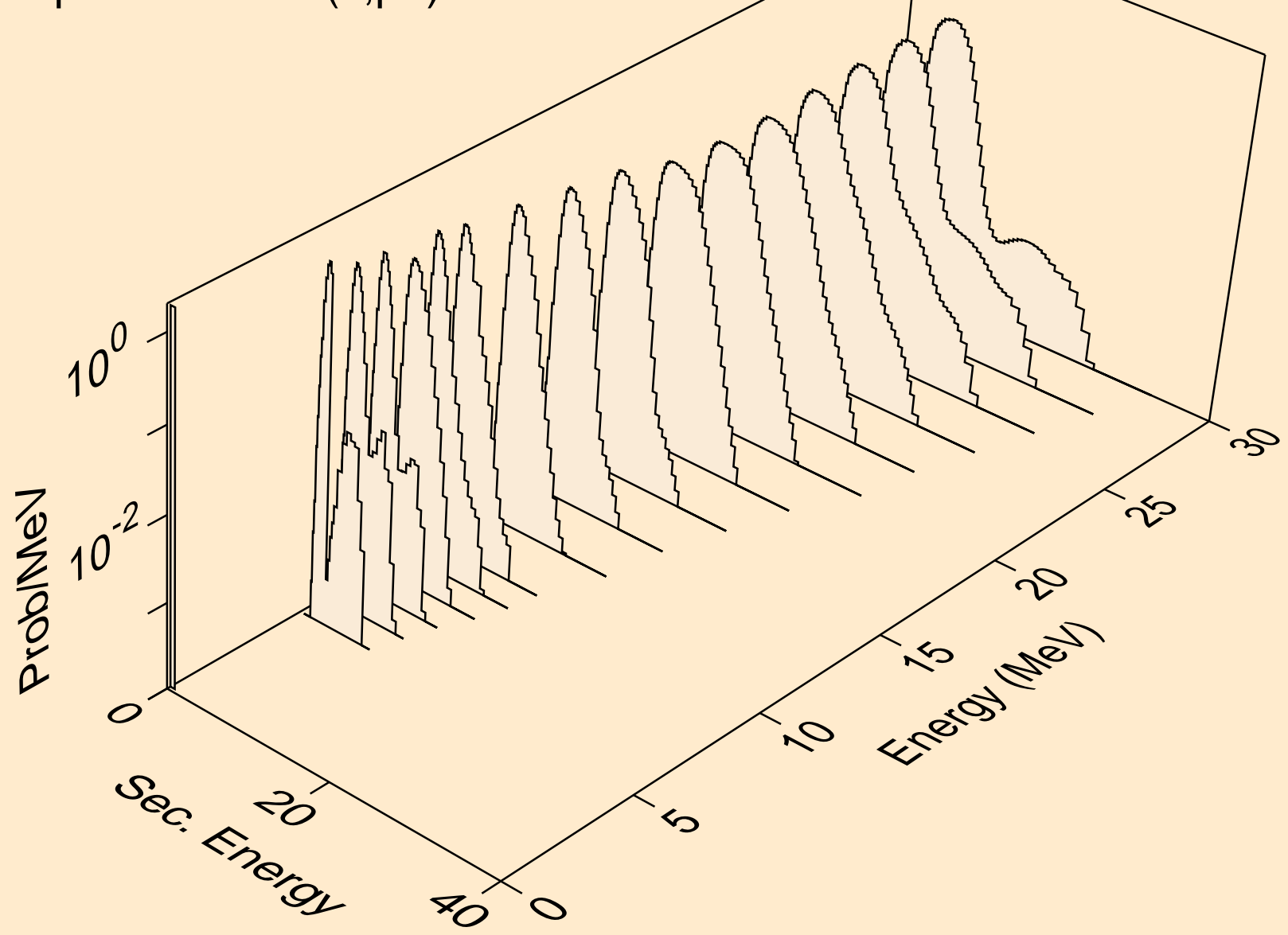
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protons from (s,p)



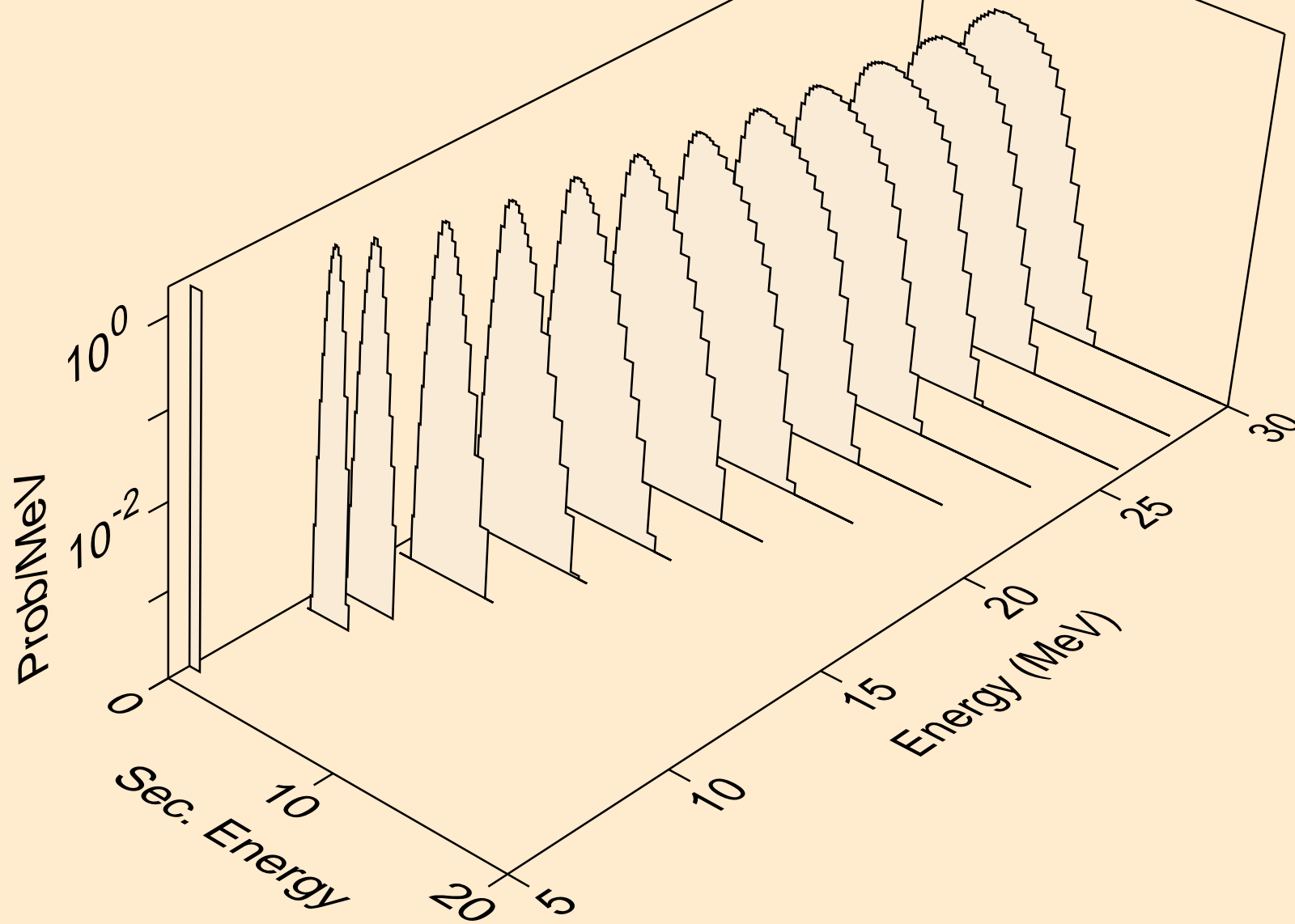
XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,2p)



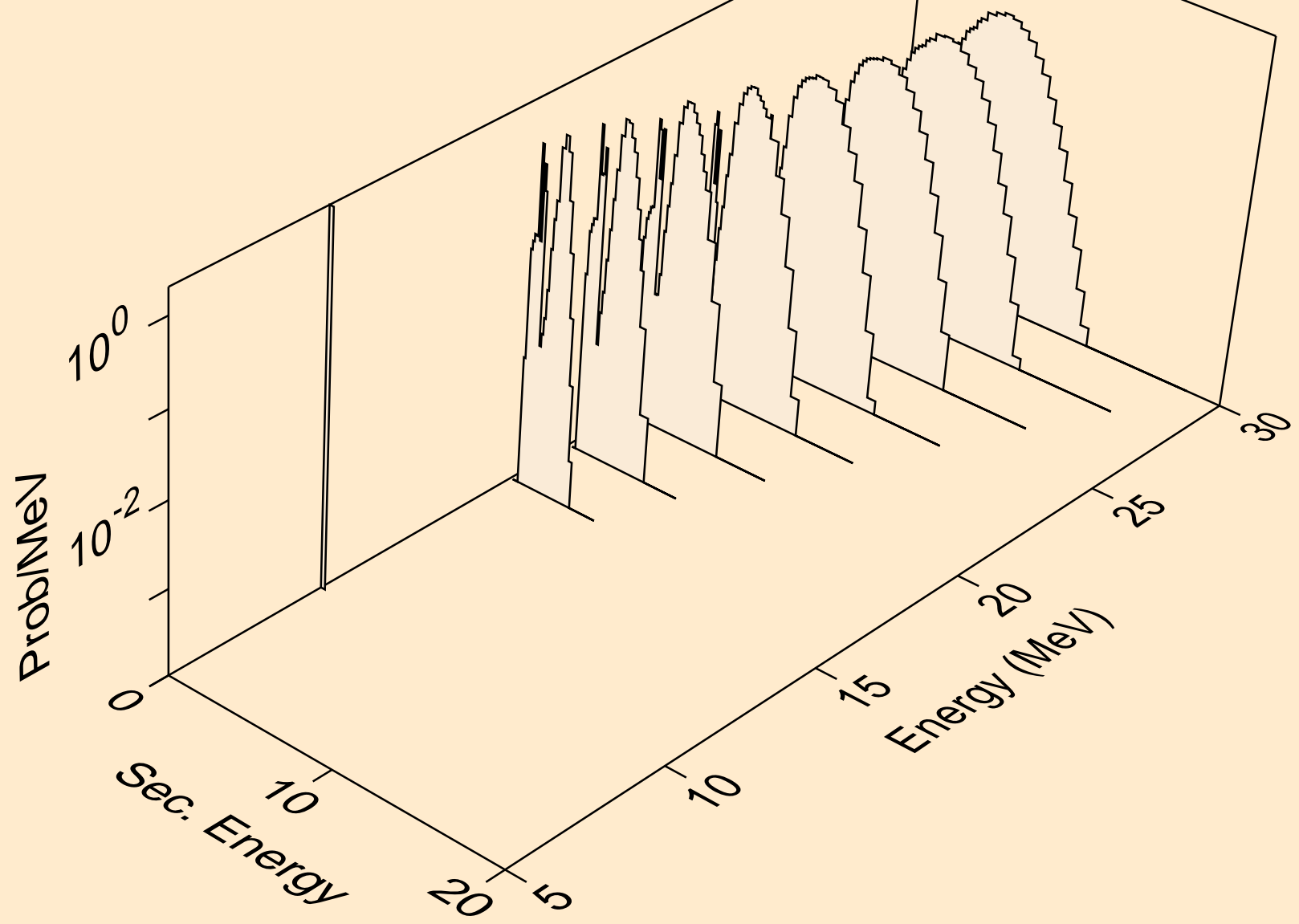
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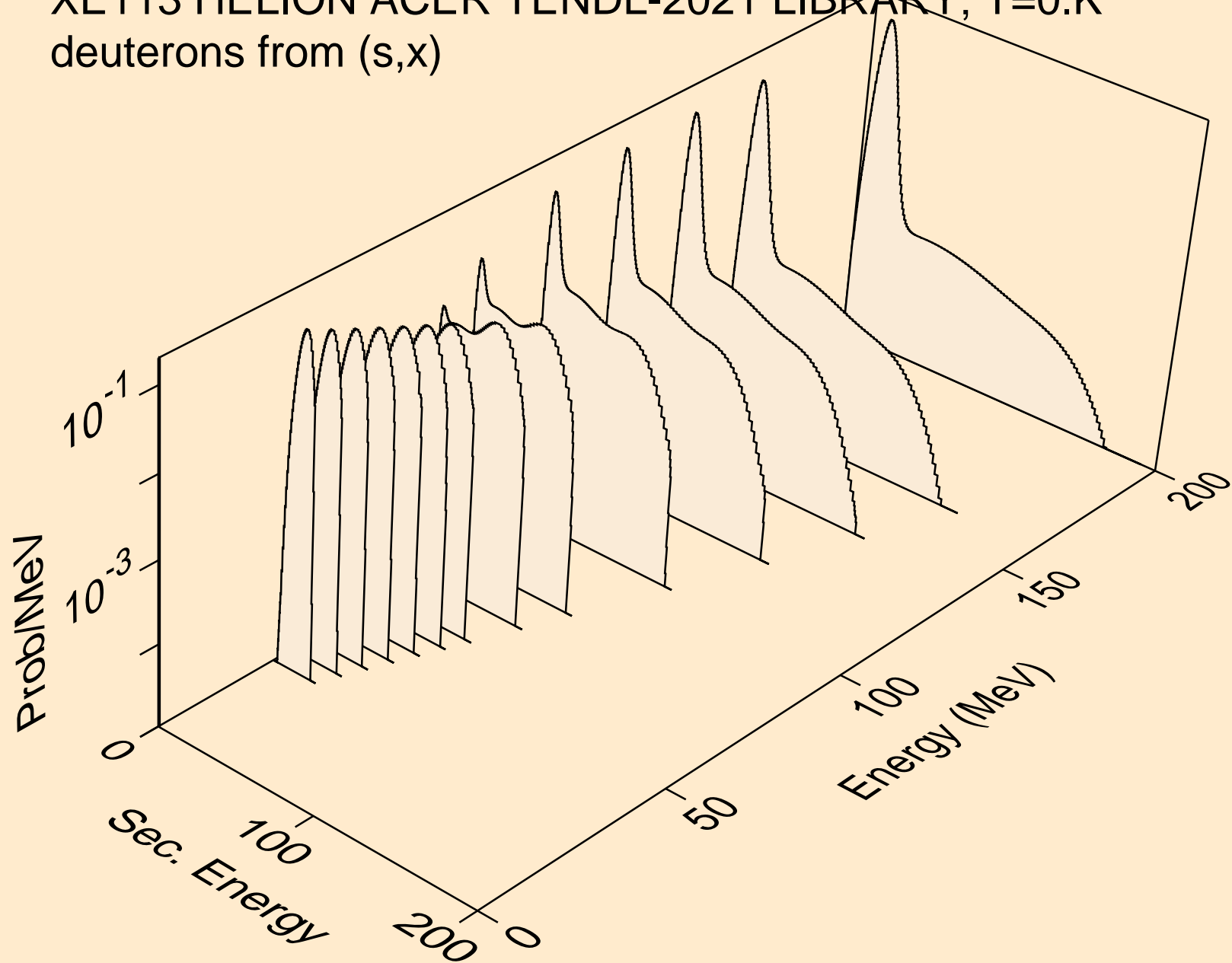
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protons from (s,pd)



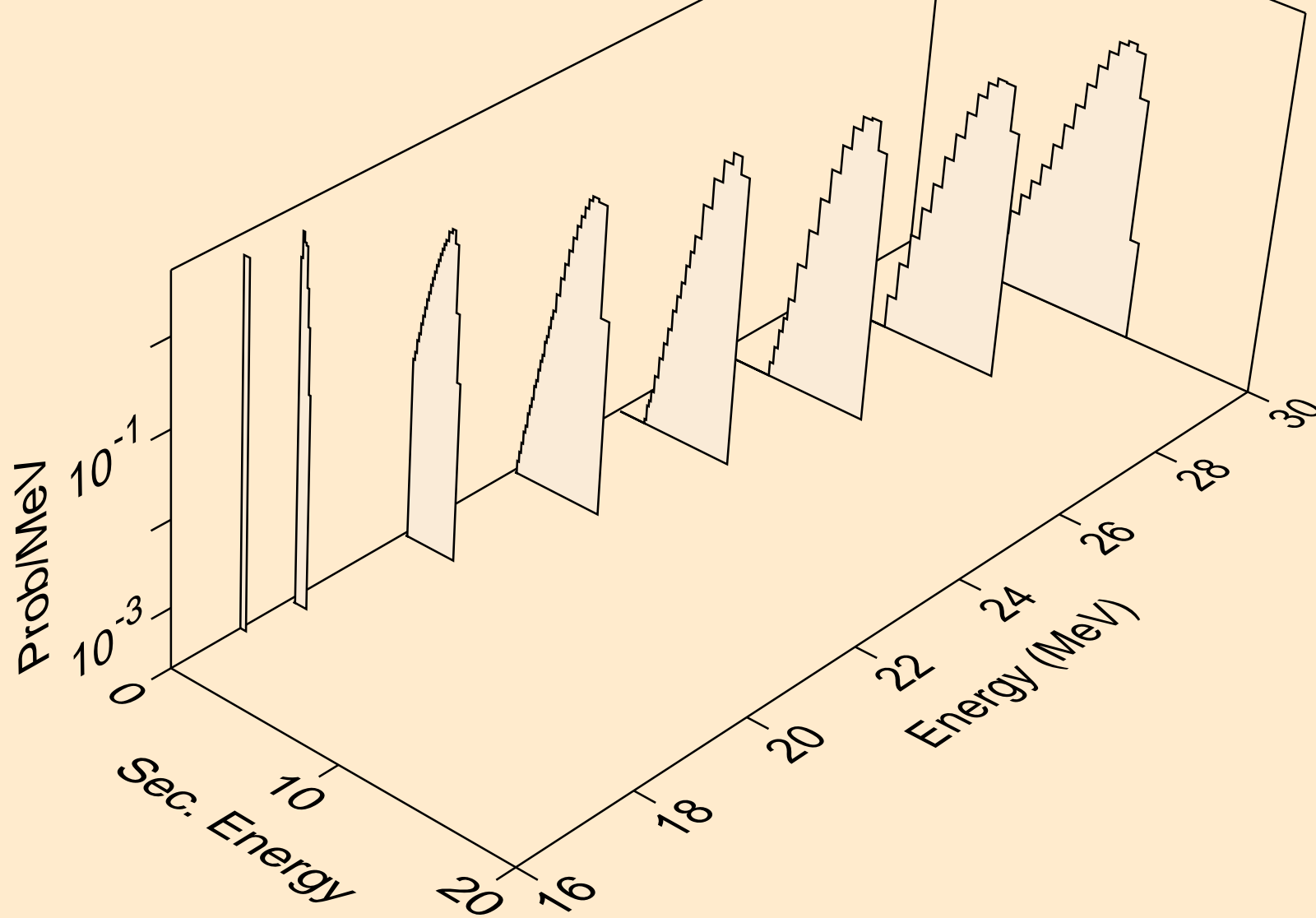
XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,pt)



XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,x)

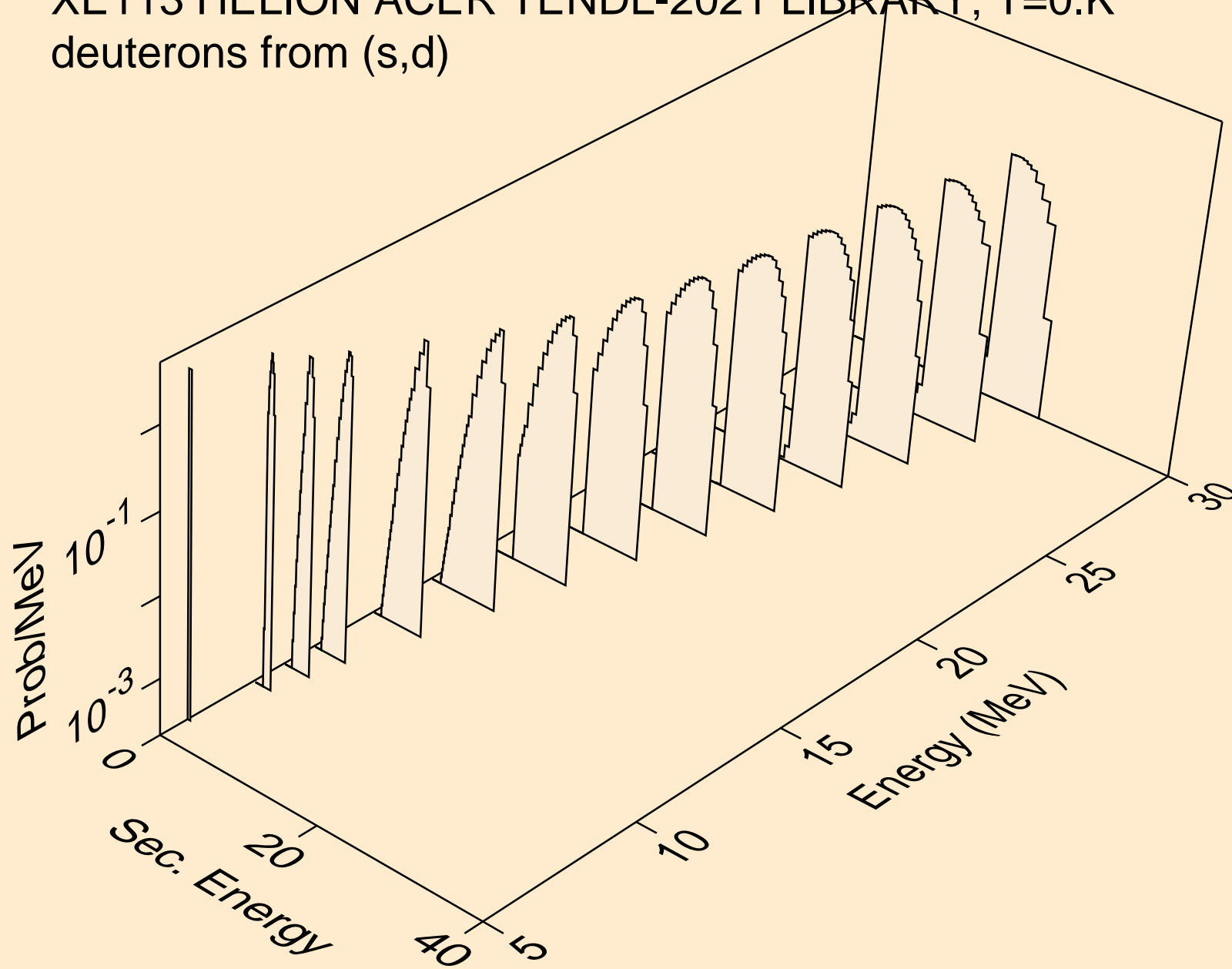


XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,n\*)d

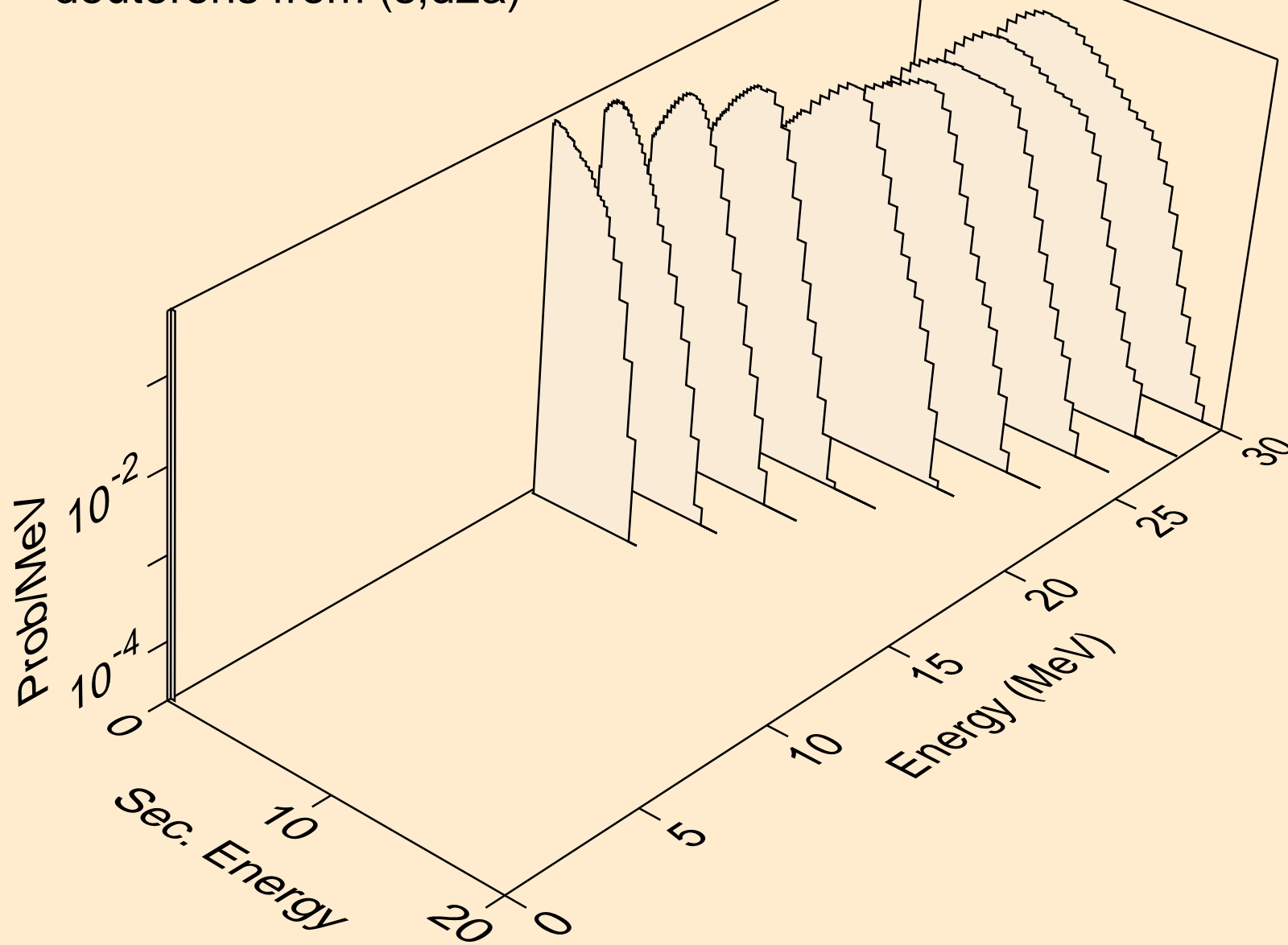




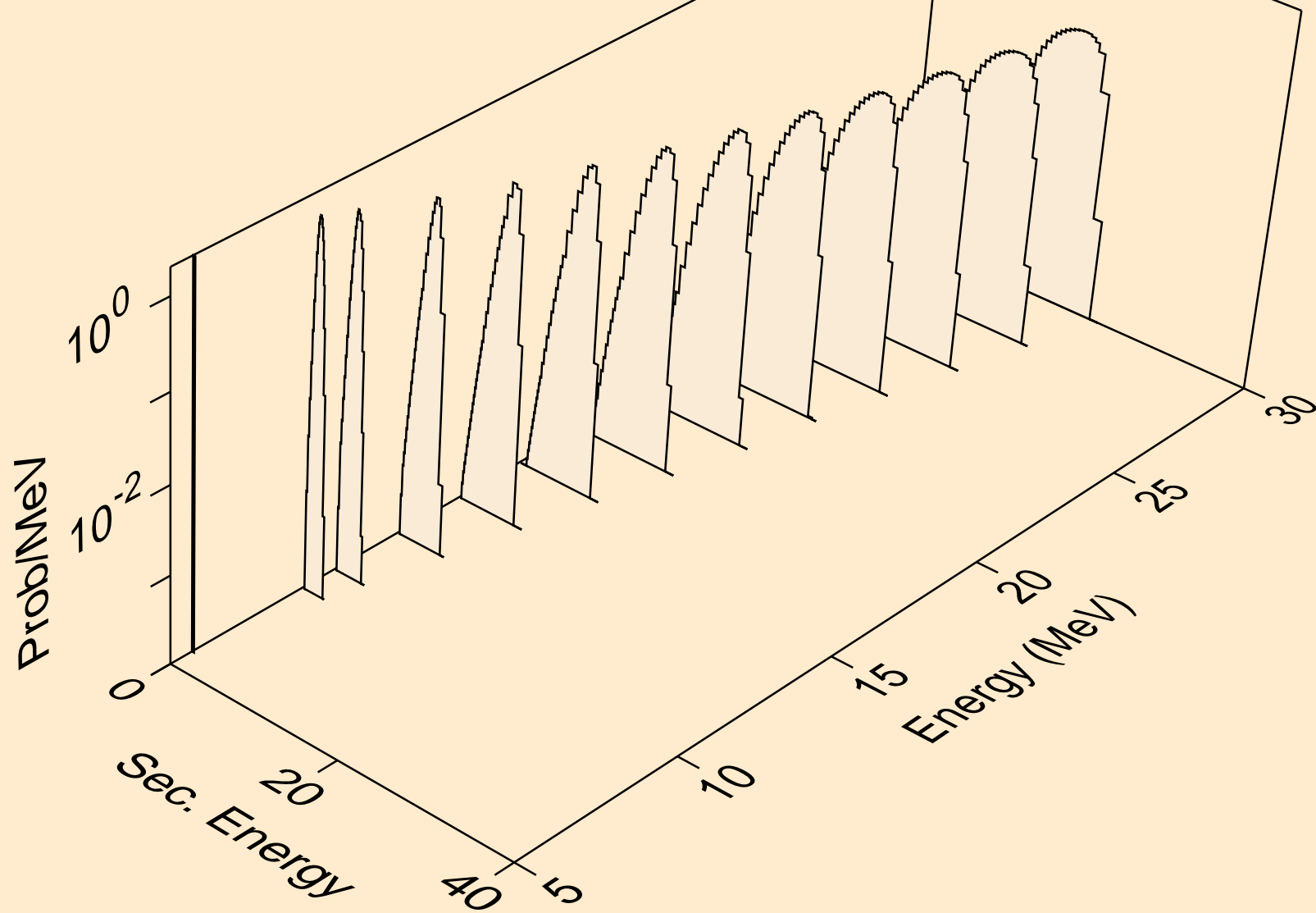
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deuterons from (s,d)



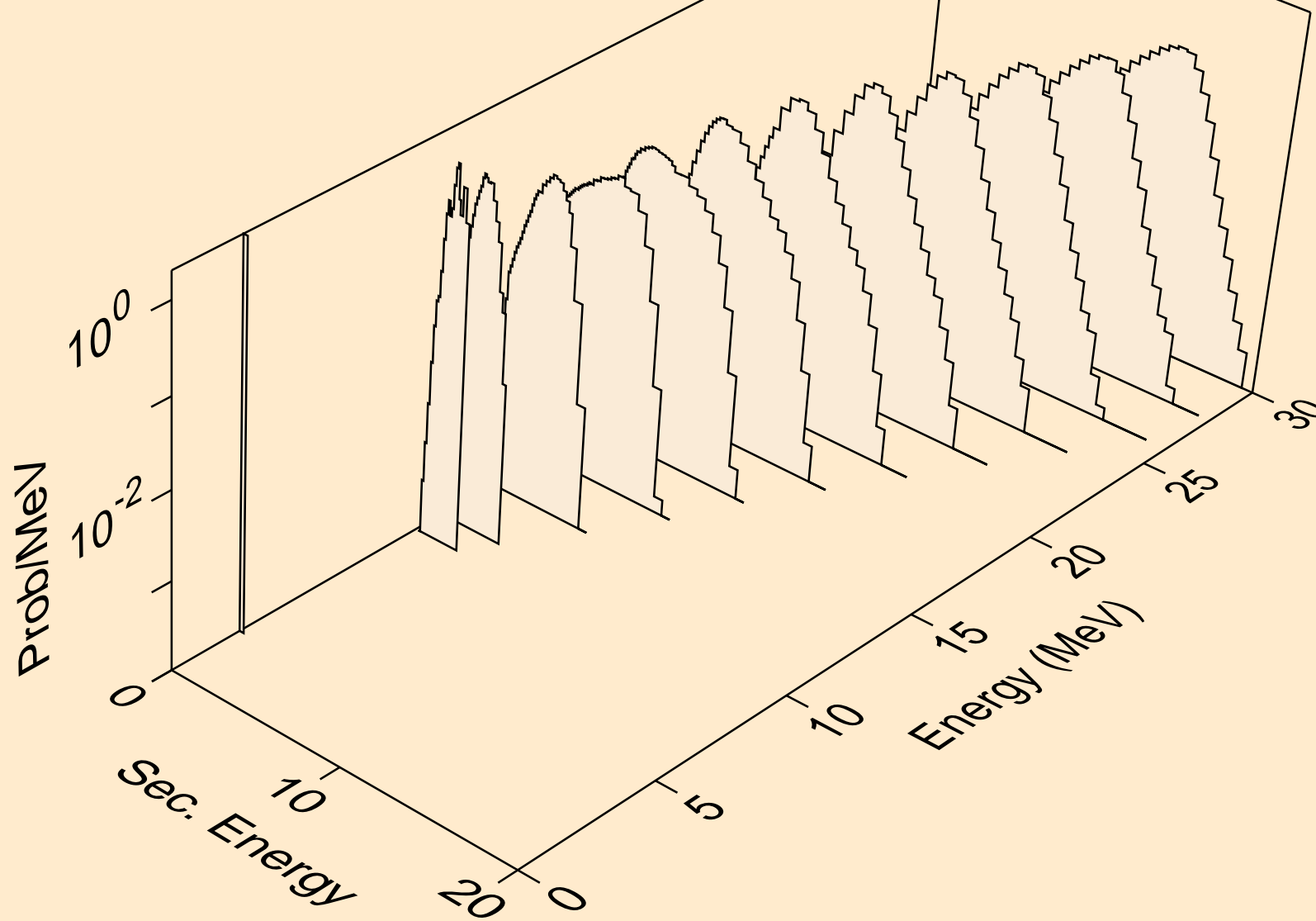
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deuterons from (s,d2a)



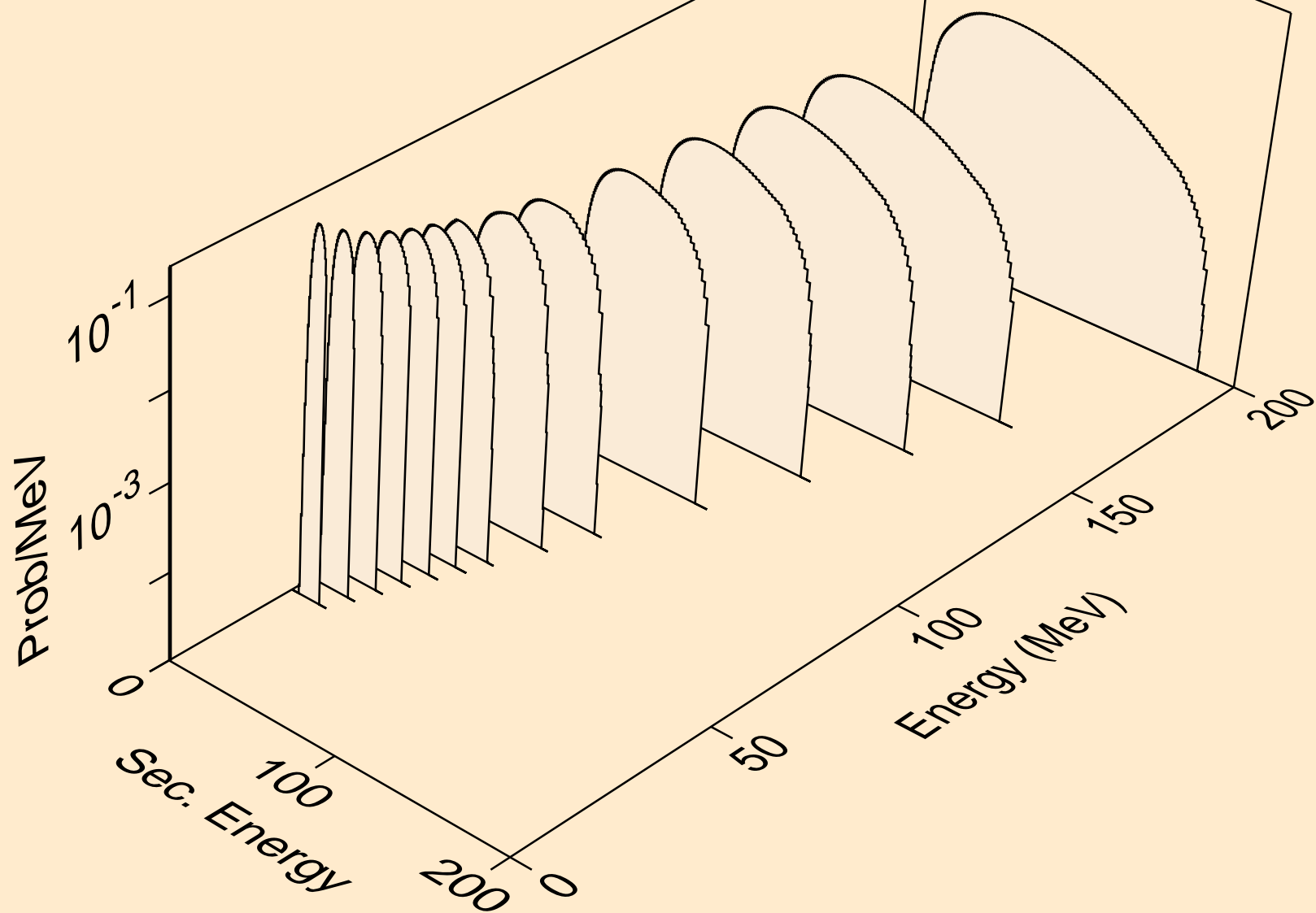
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deuterons from (s,pd)



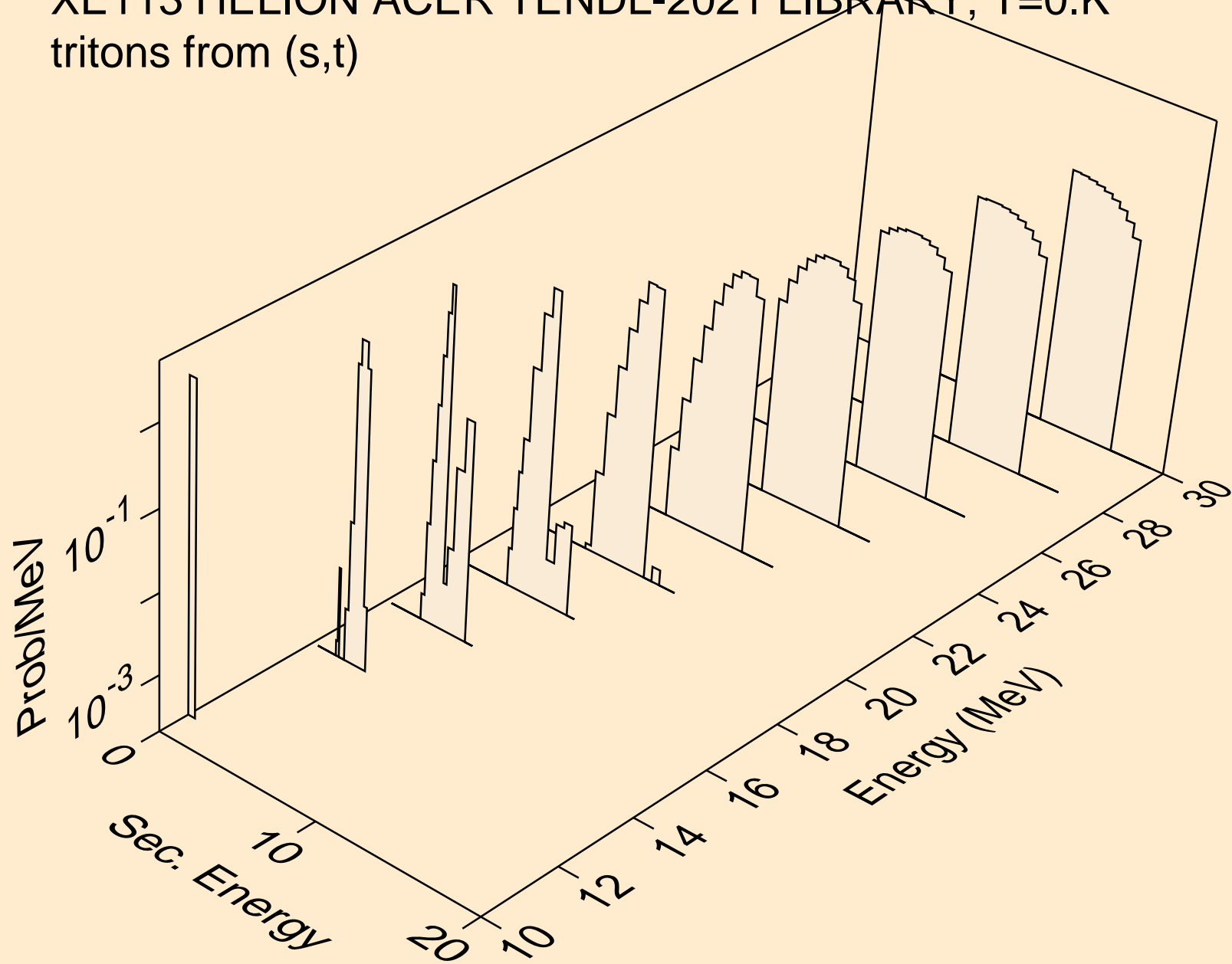
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deuterons from (s,da)



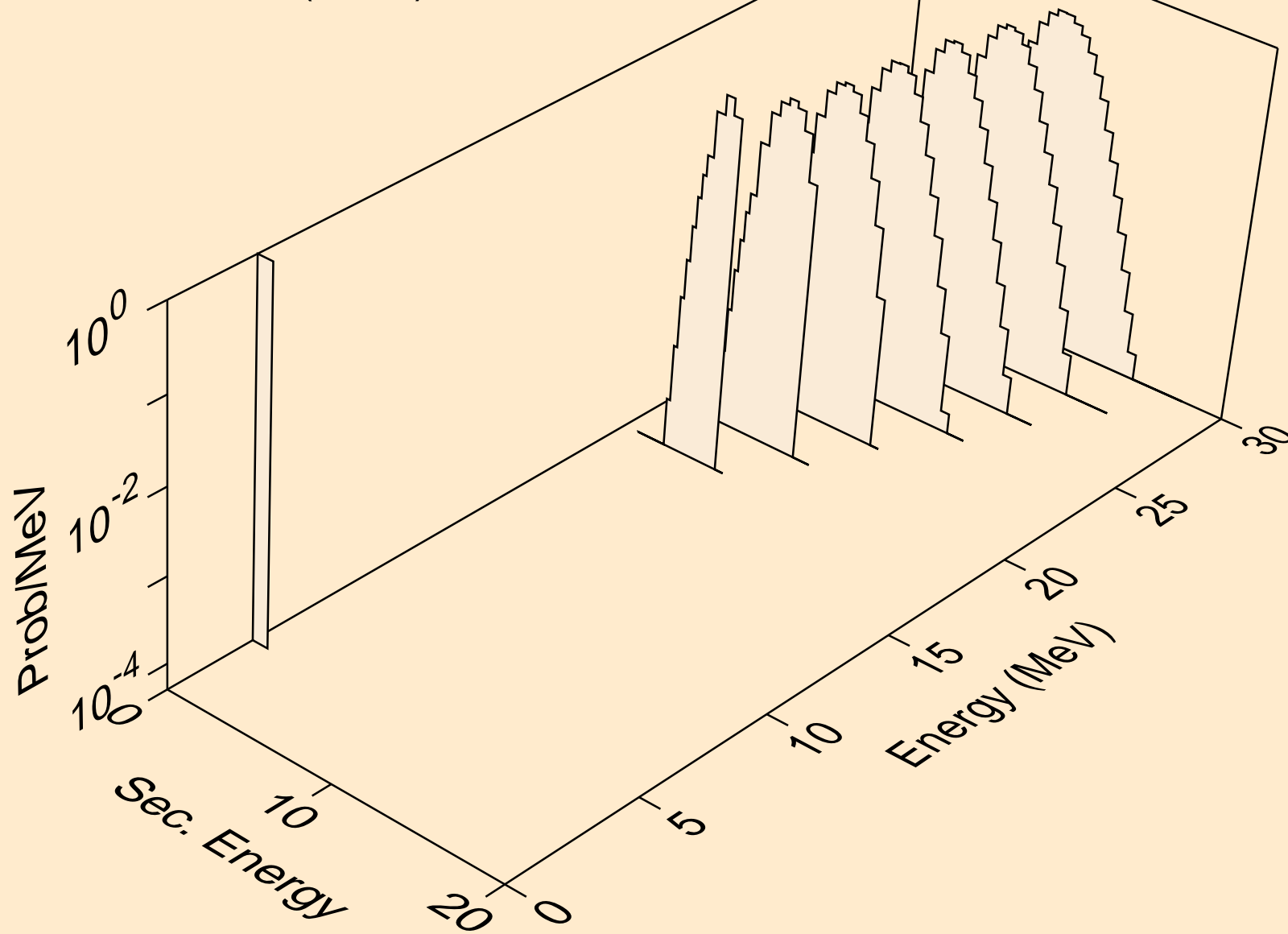
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tritons from (s,x)



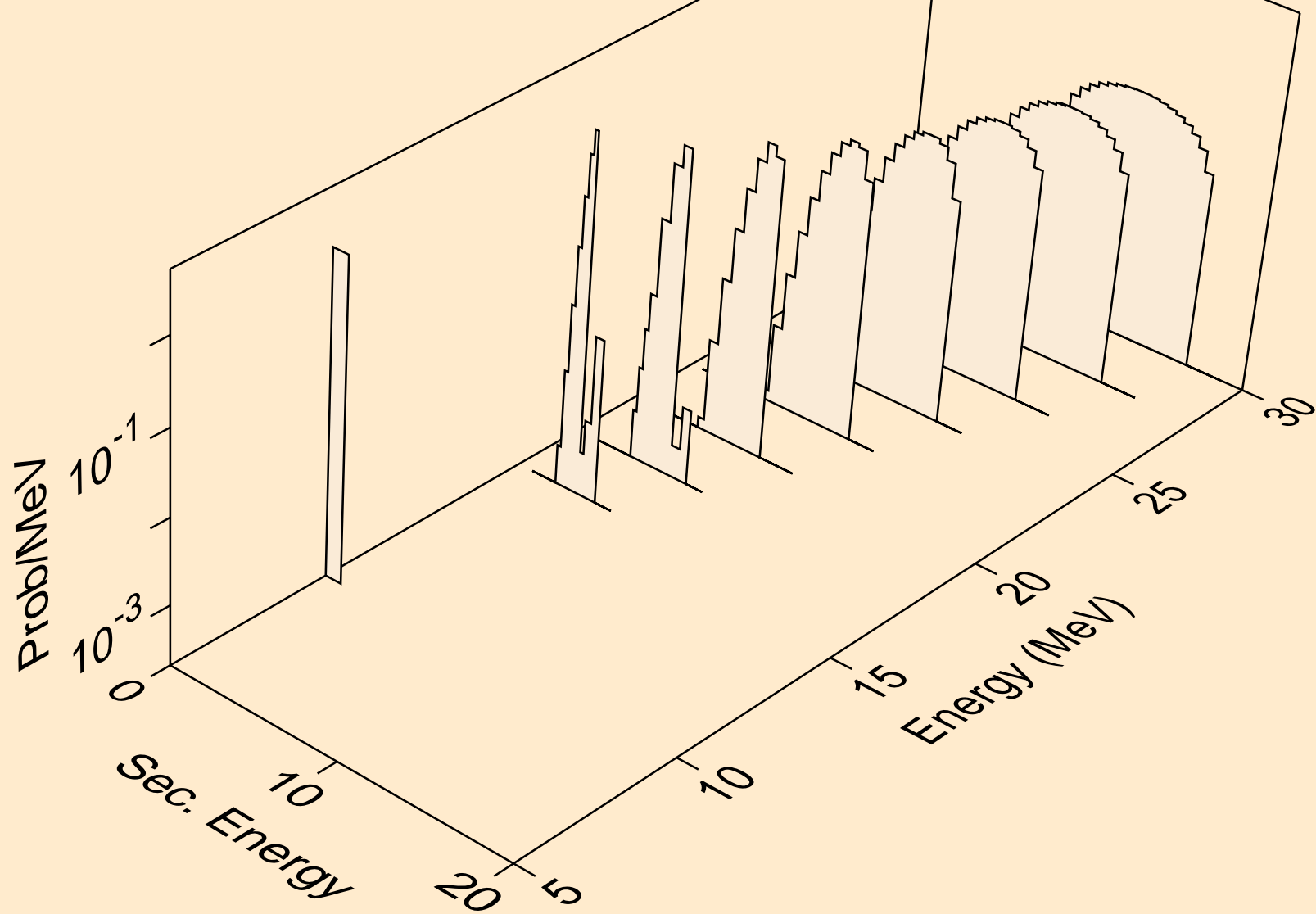
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tritons from (s,t)



XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,t2a)

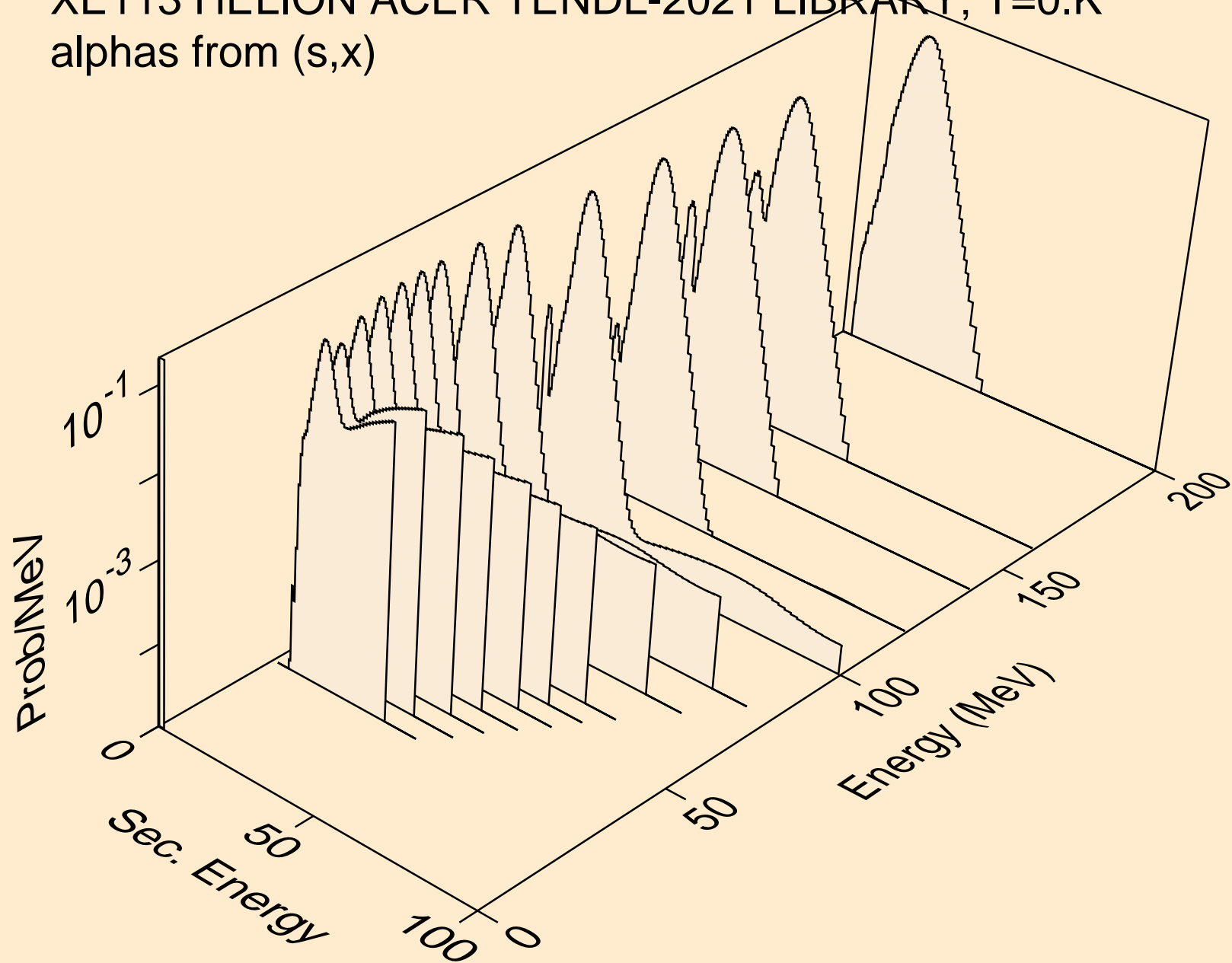


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tritons from (s,pt)

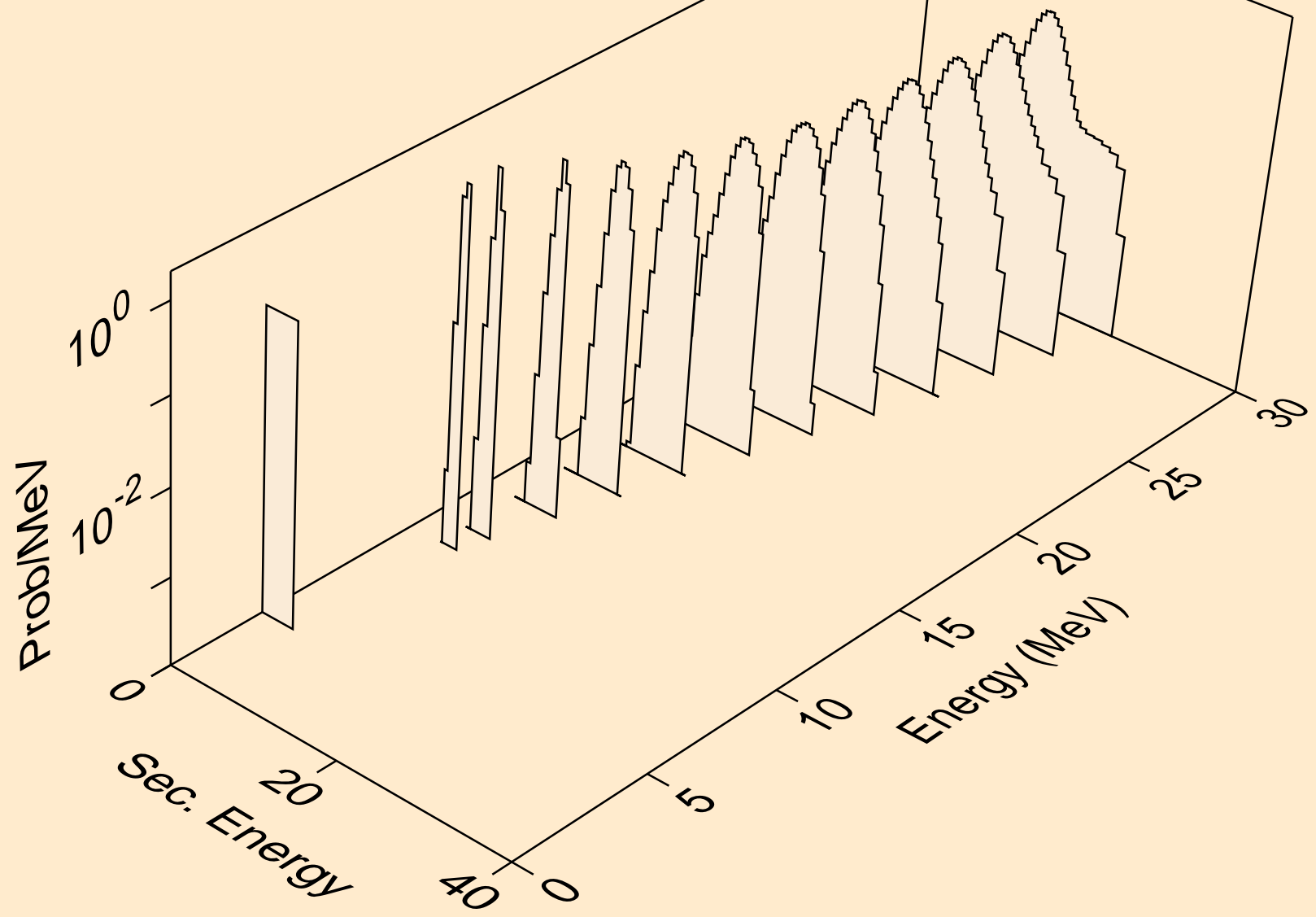




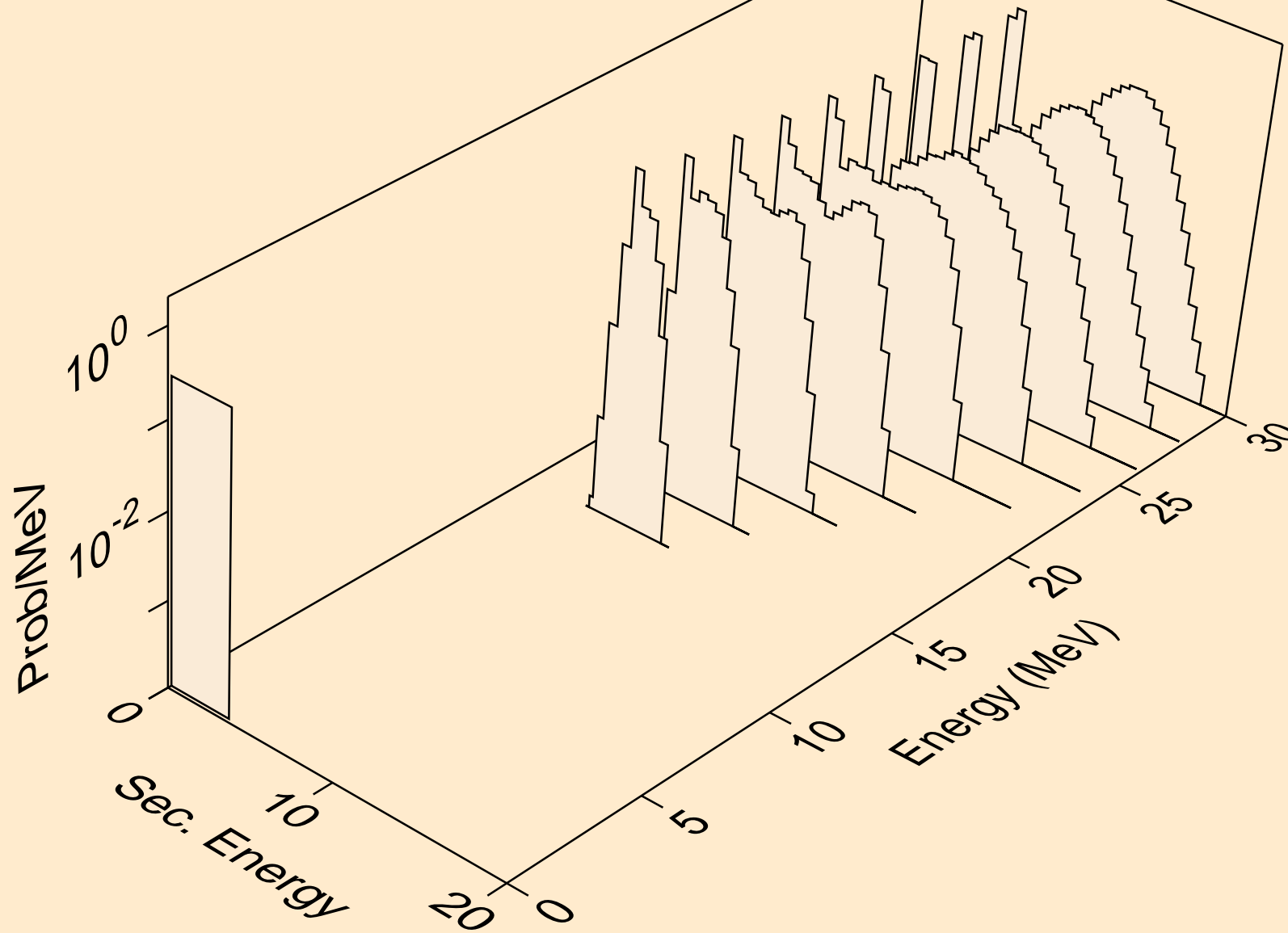
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alphas from (s,x)



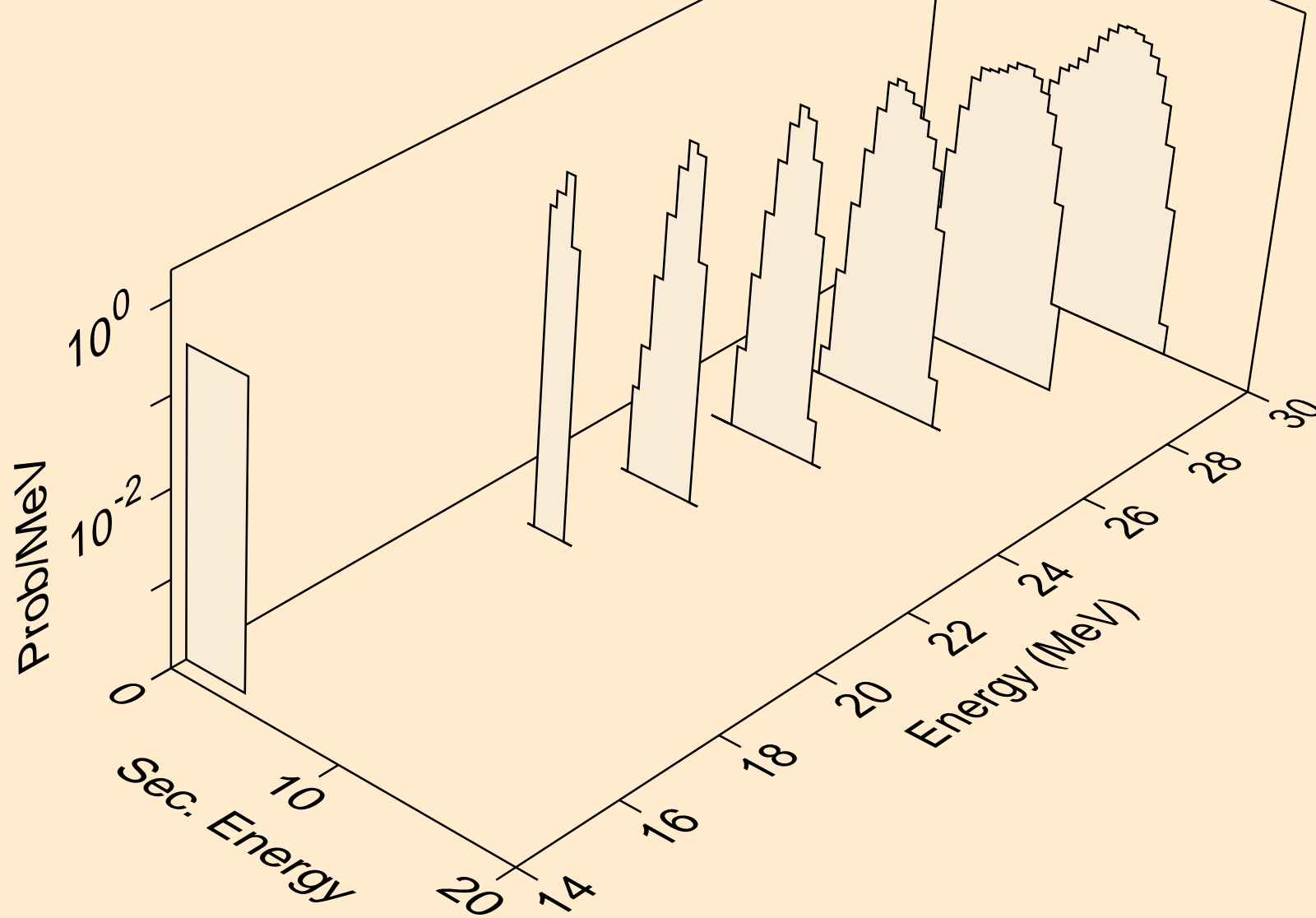
XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,n\*)a



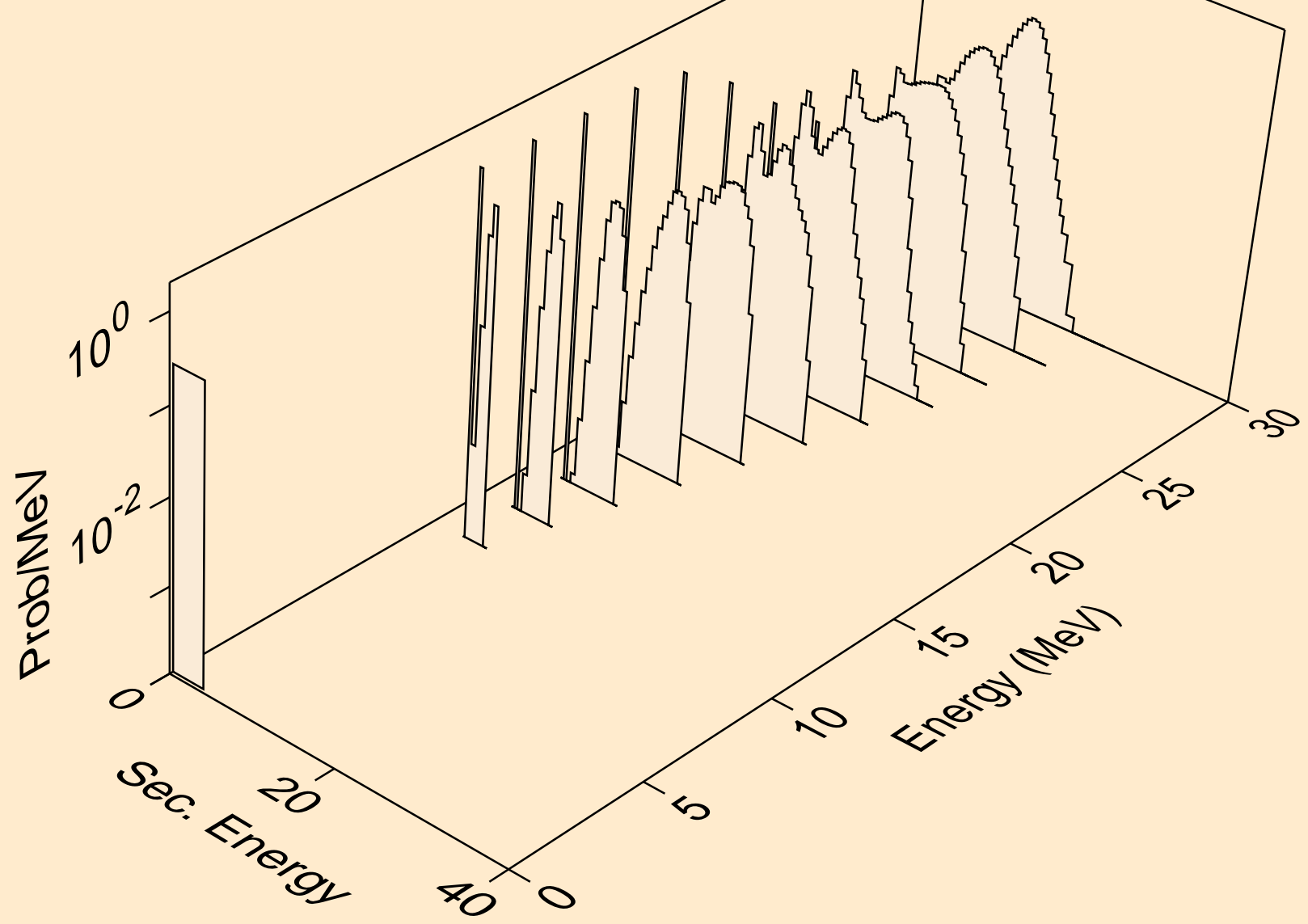
XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,n\*)3a



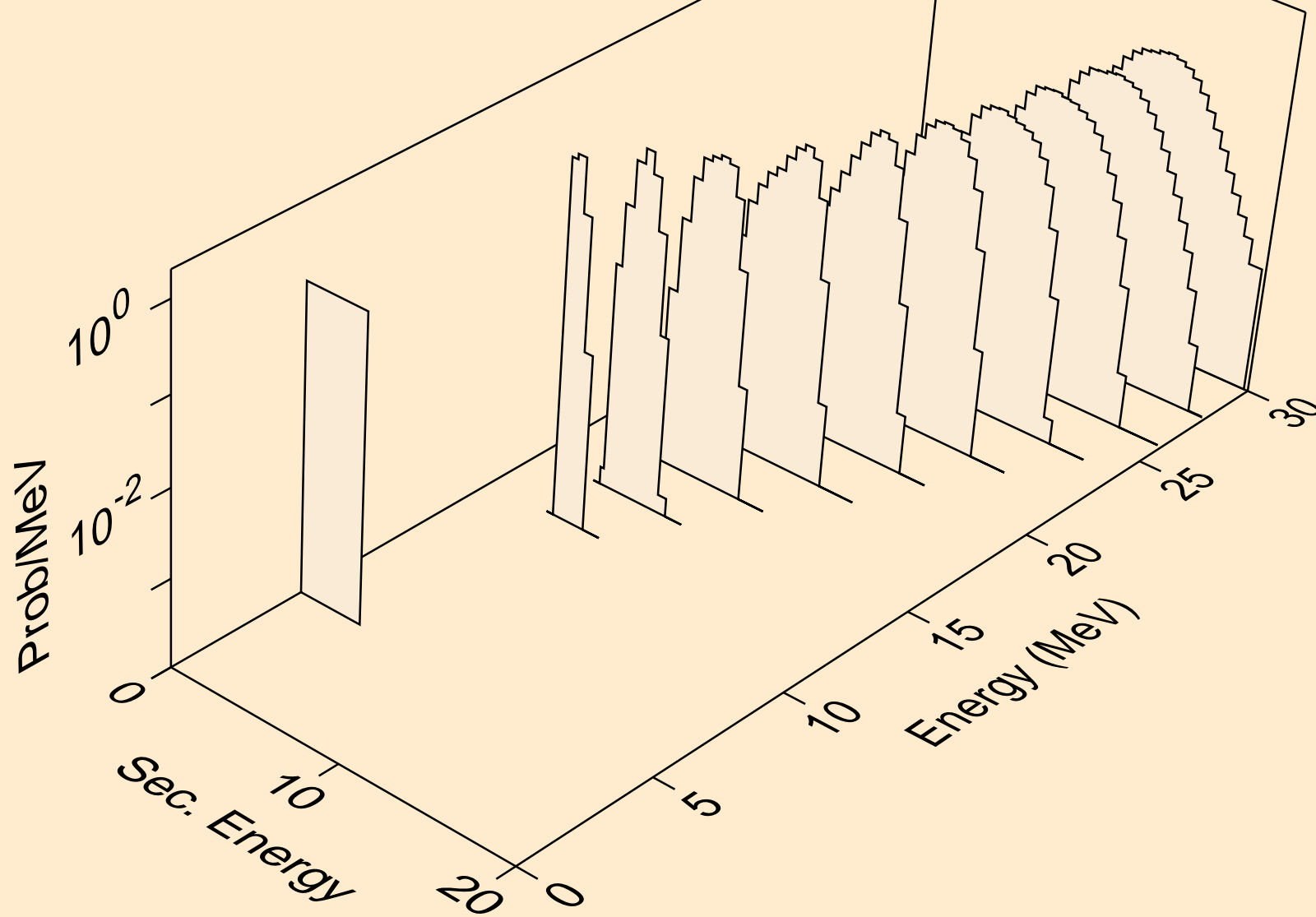
XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,2n)a



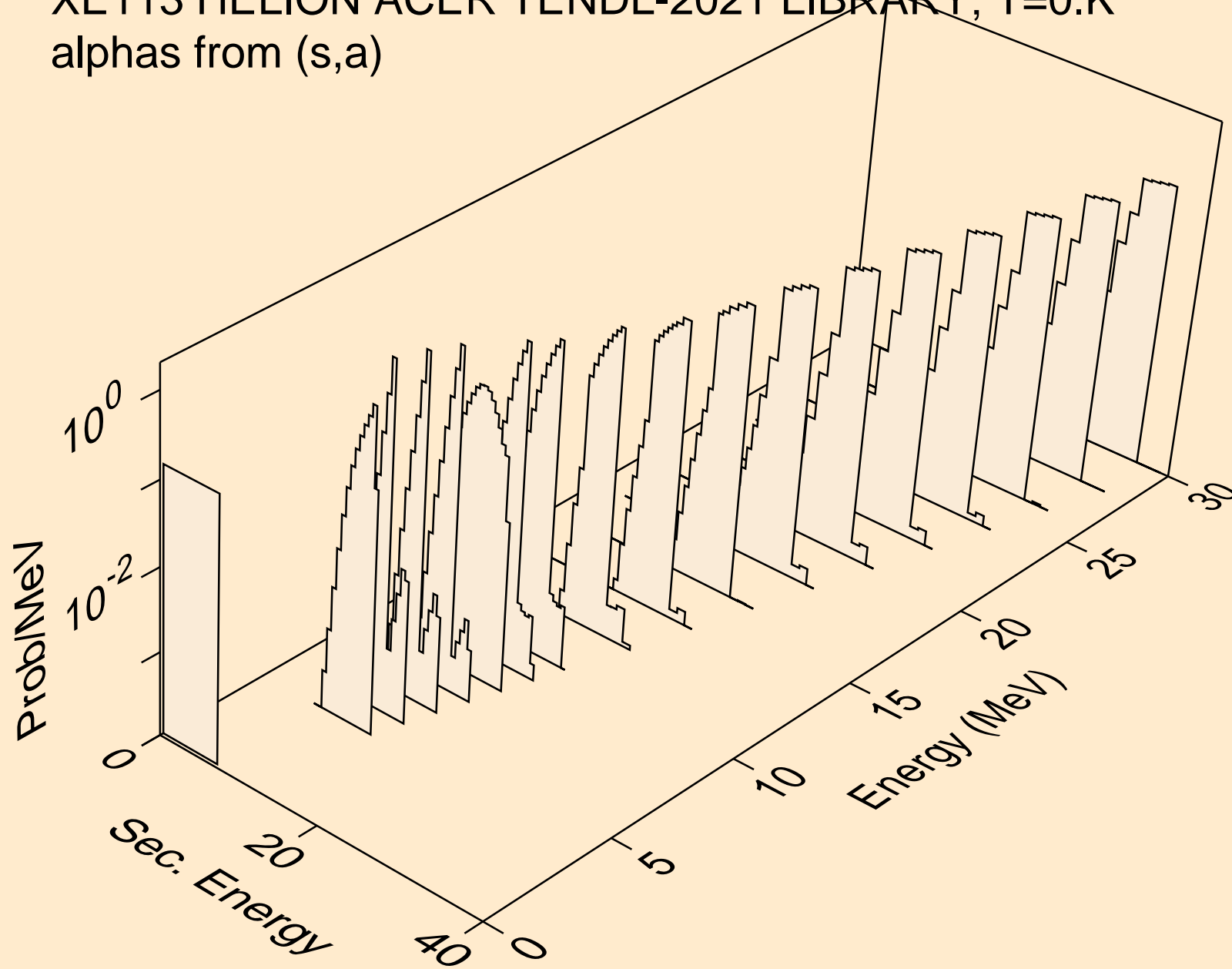
XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,n\*)2a



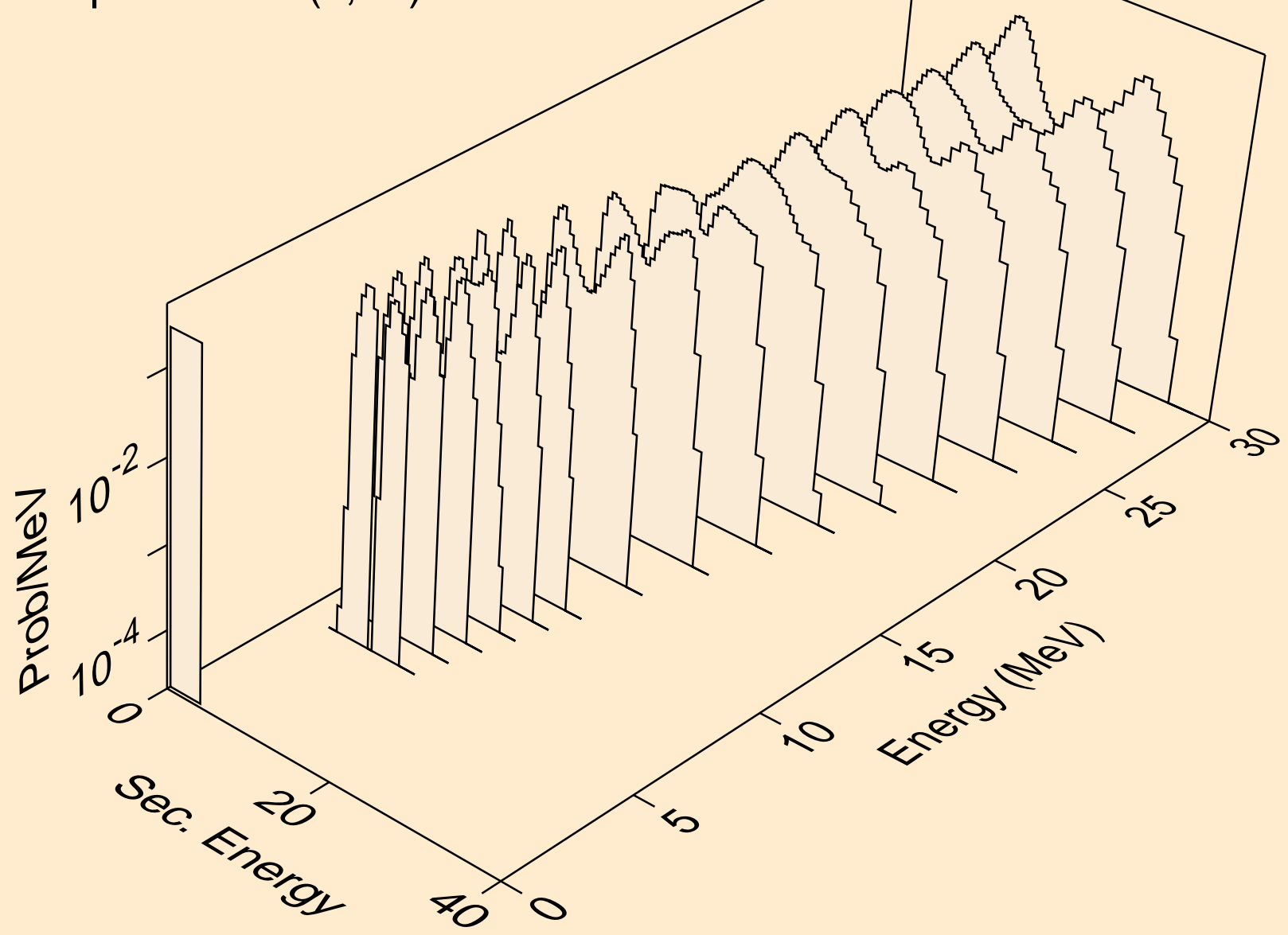
XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,npa)



XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,a)

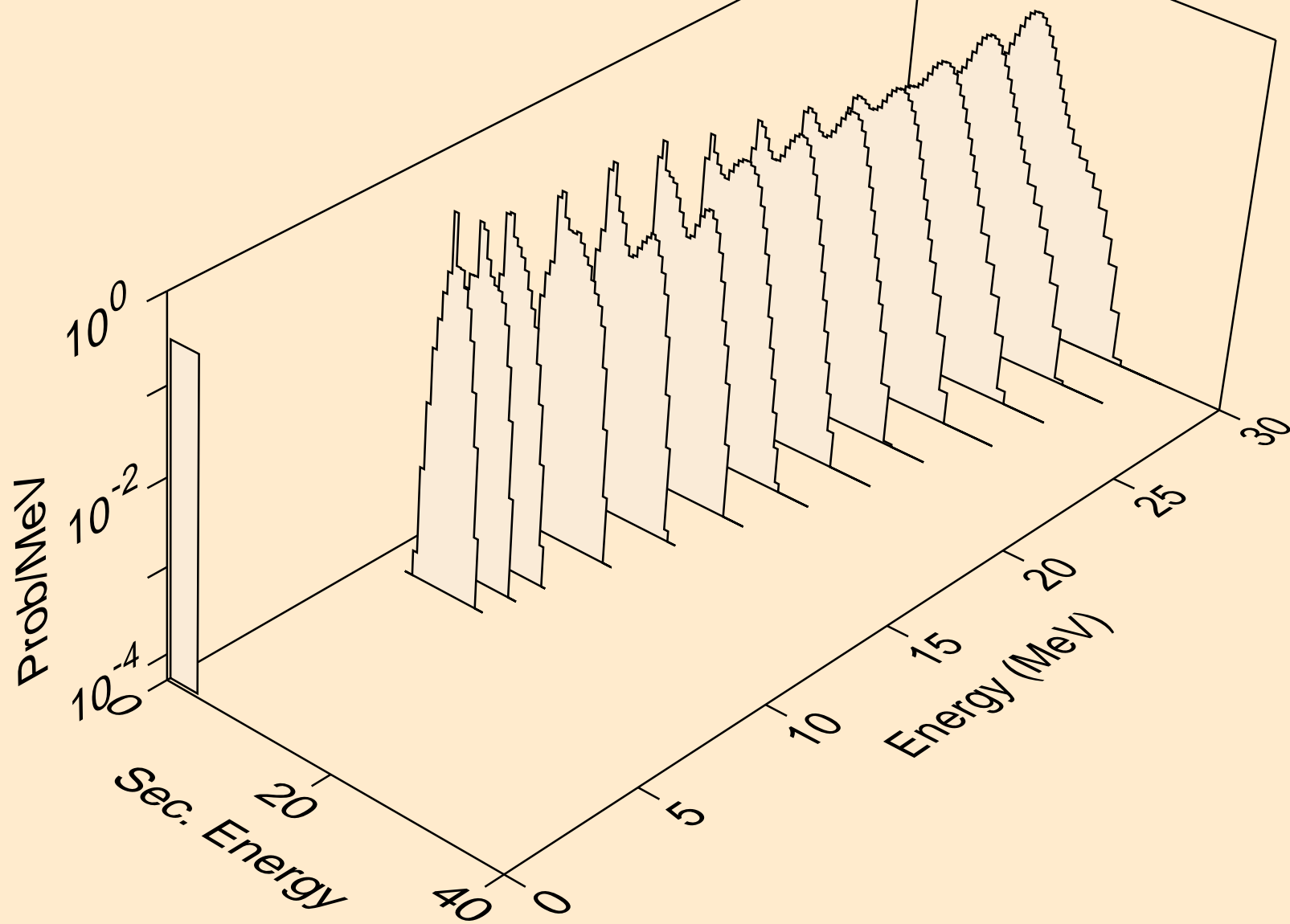


XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,2a)

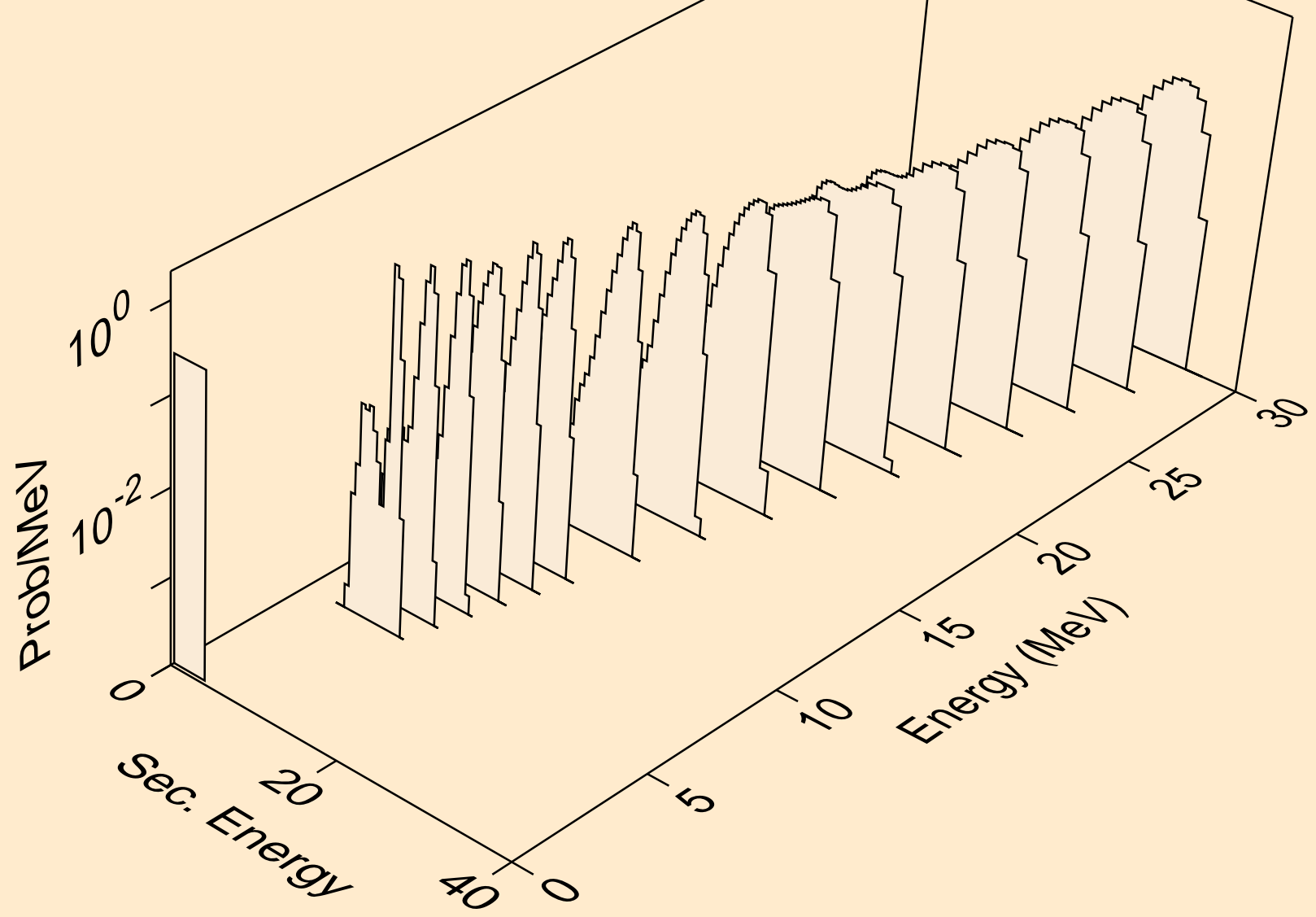




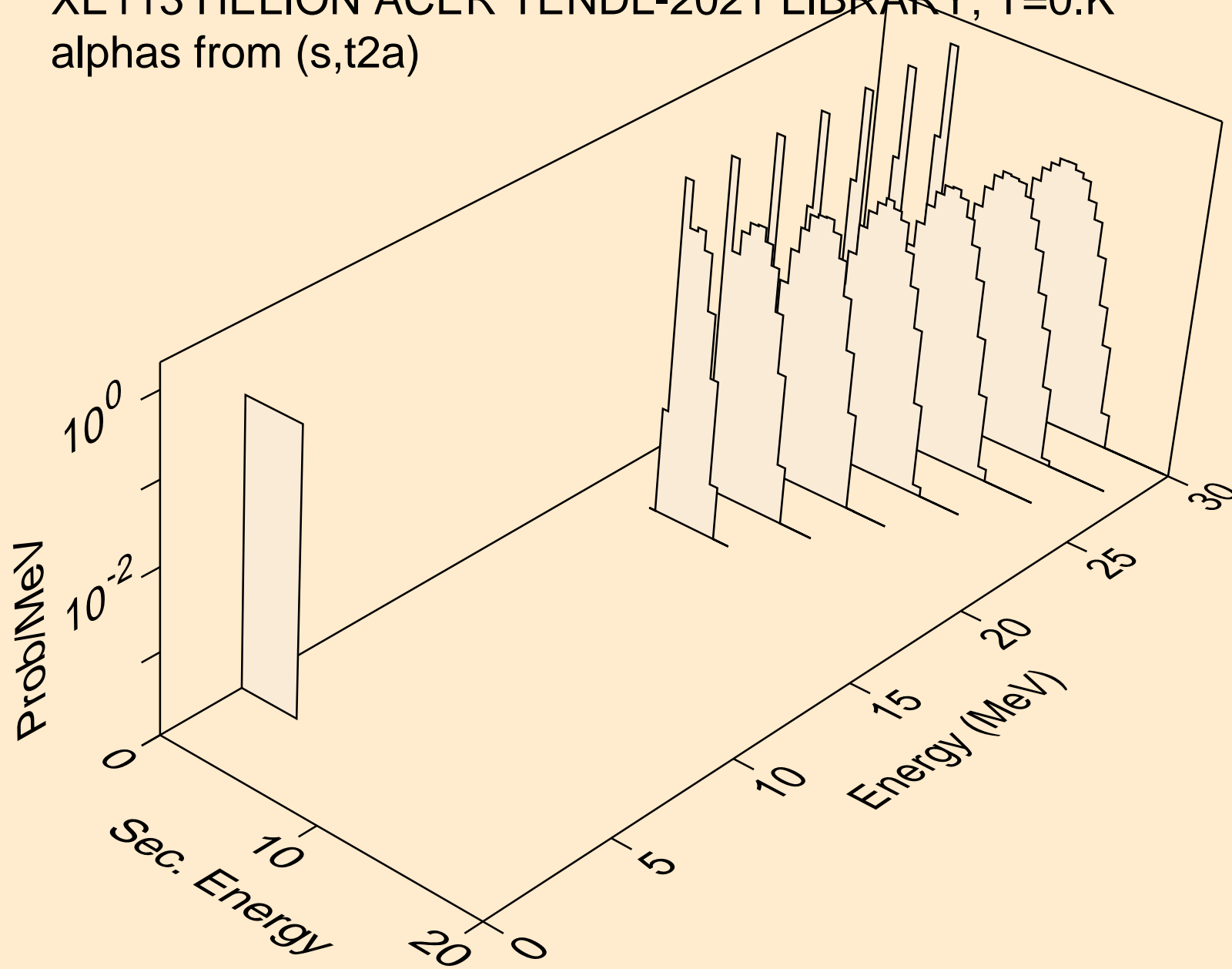
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alphas from (s,3a)



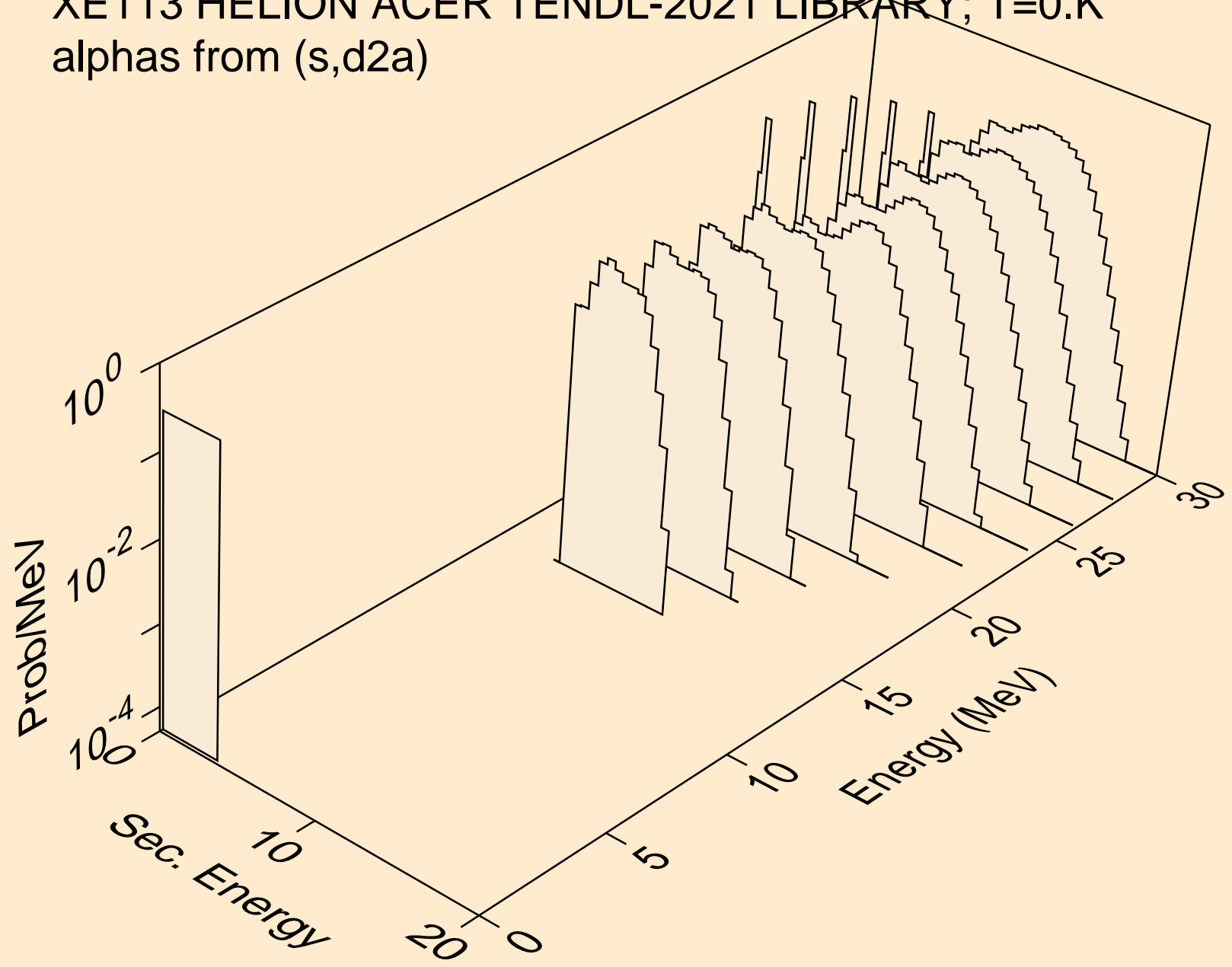
XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,pa)



XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,t2a)



XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,d2a)



XE113 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,da)

