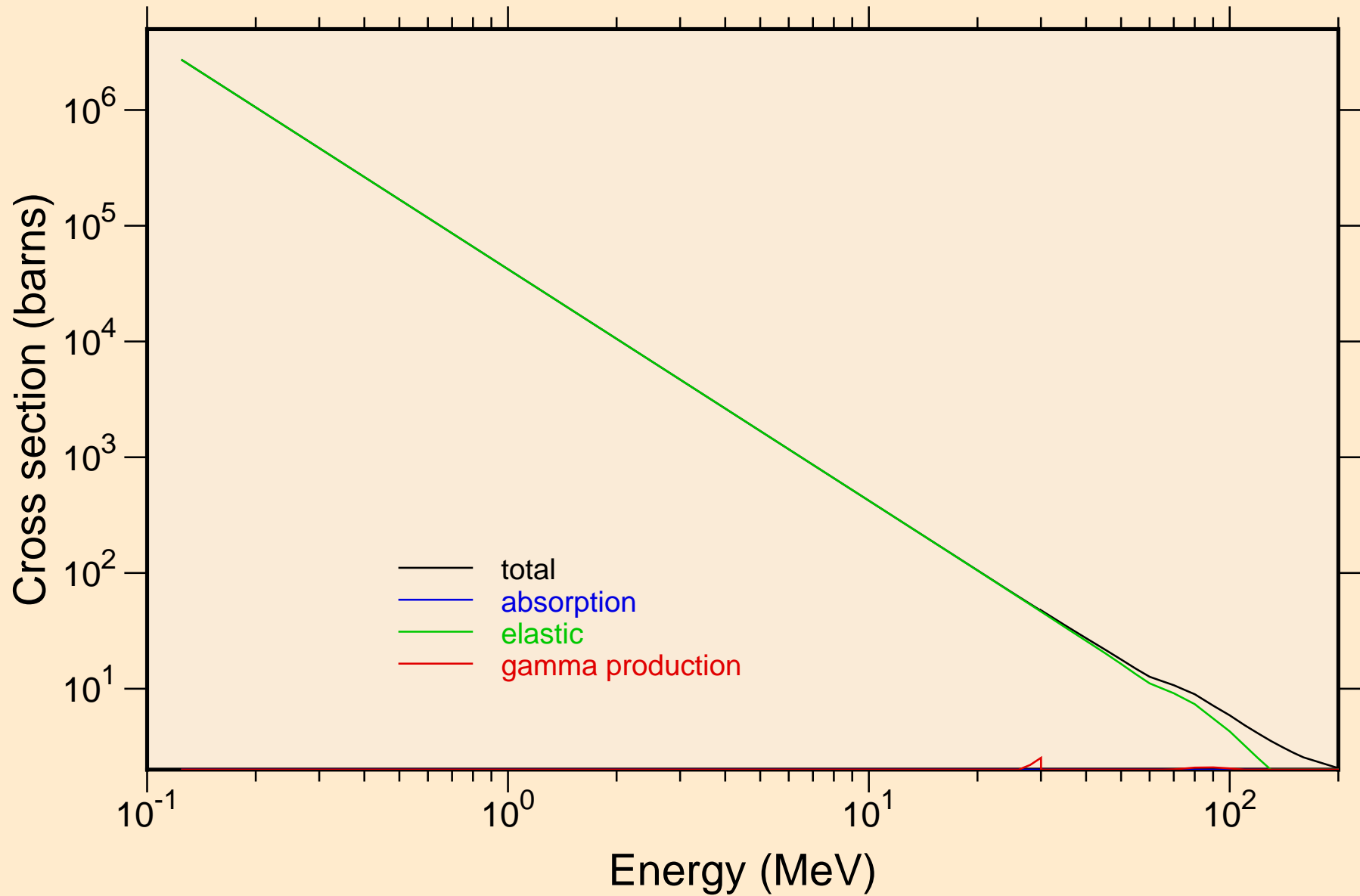
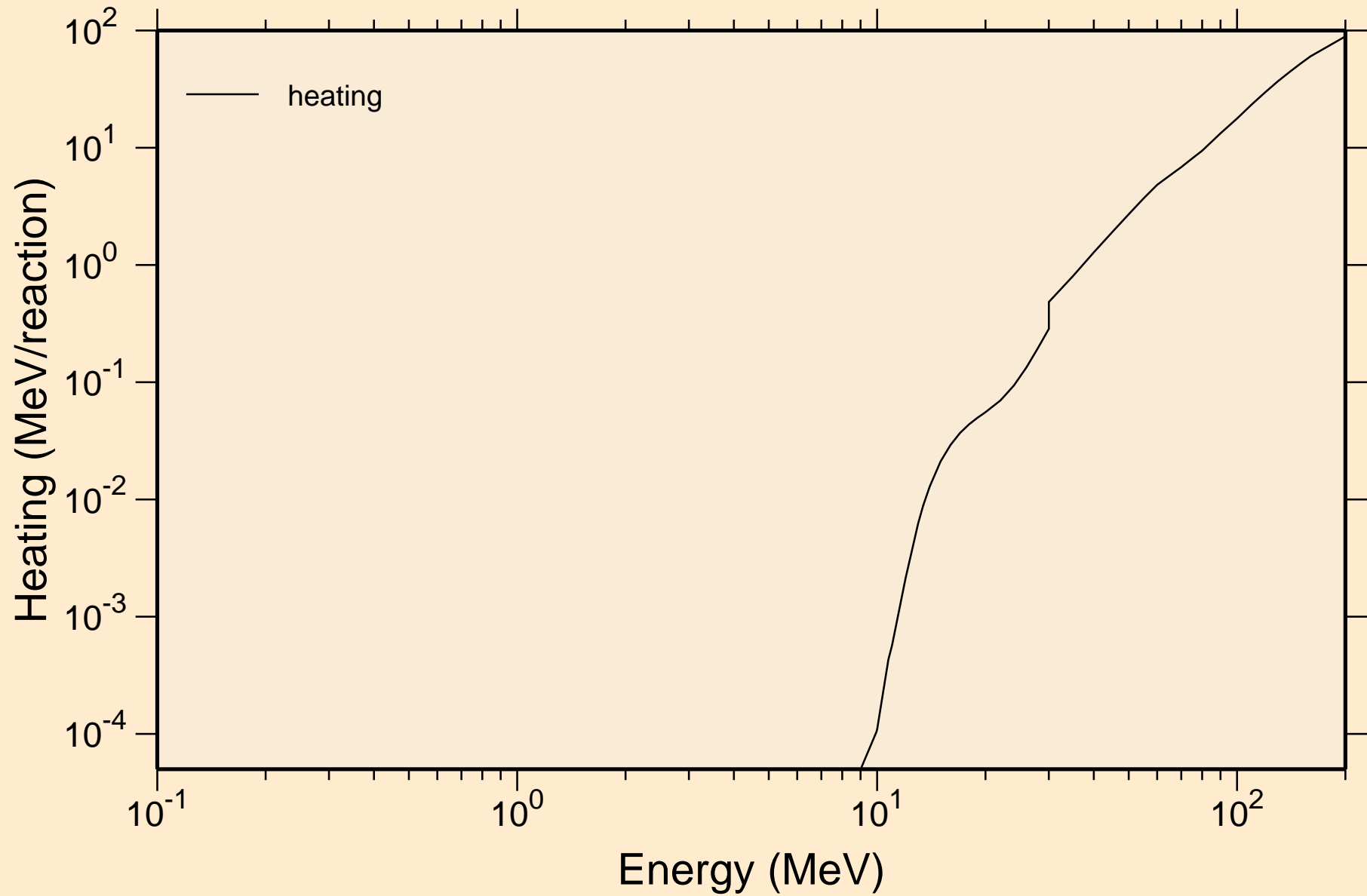


ZR083 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Principal cross sections



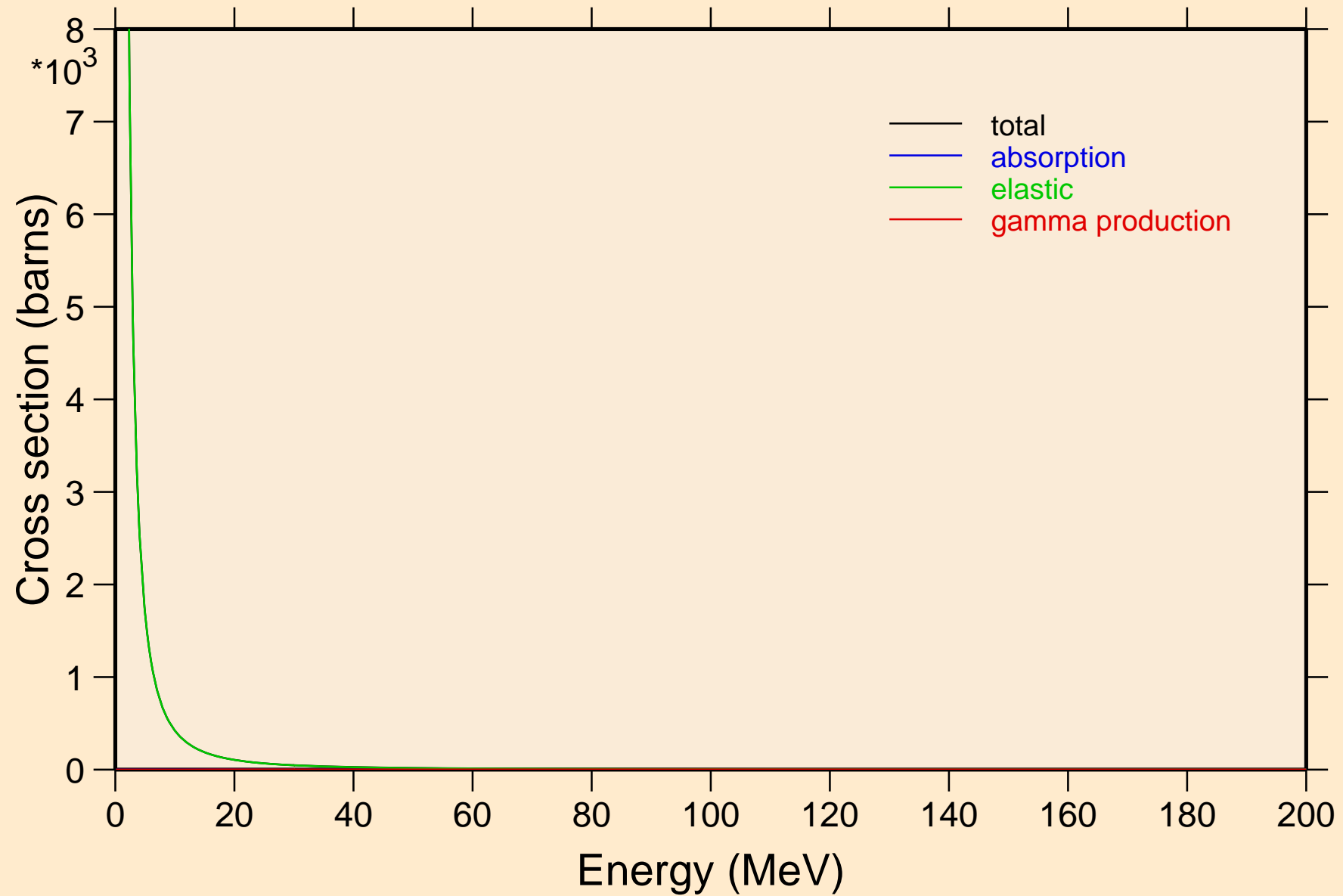
ZR083 HELION ACER TENDL-2021 LIBRARY; T=0.K

Heating



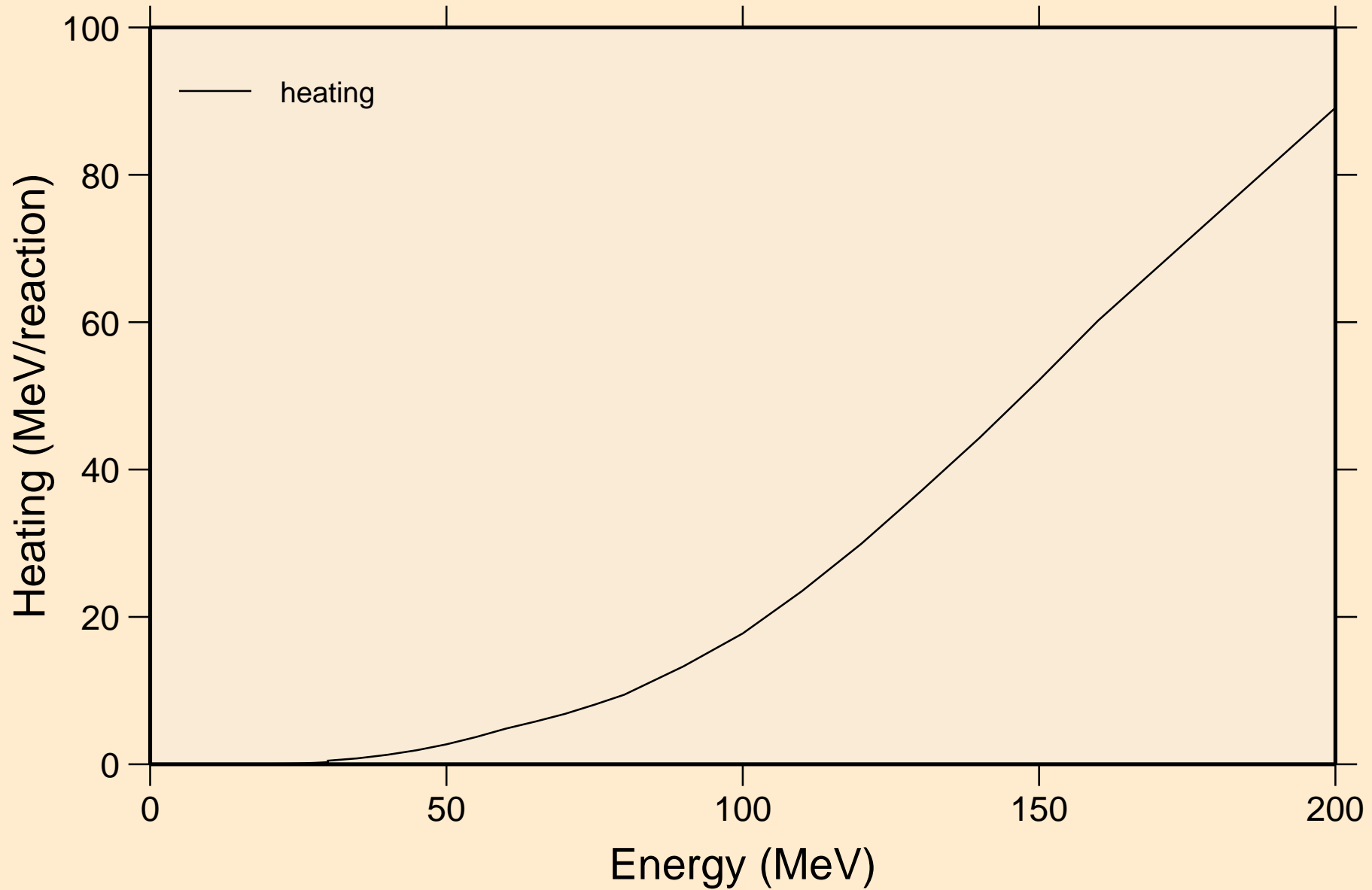
# ZR083 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



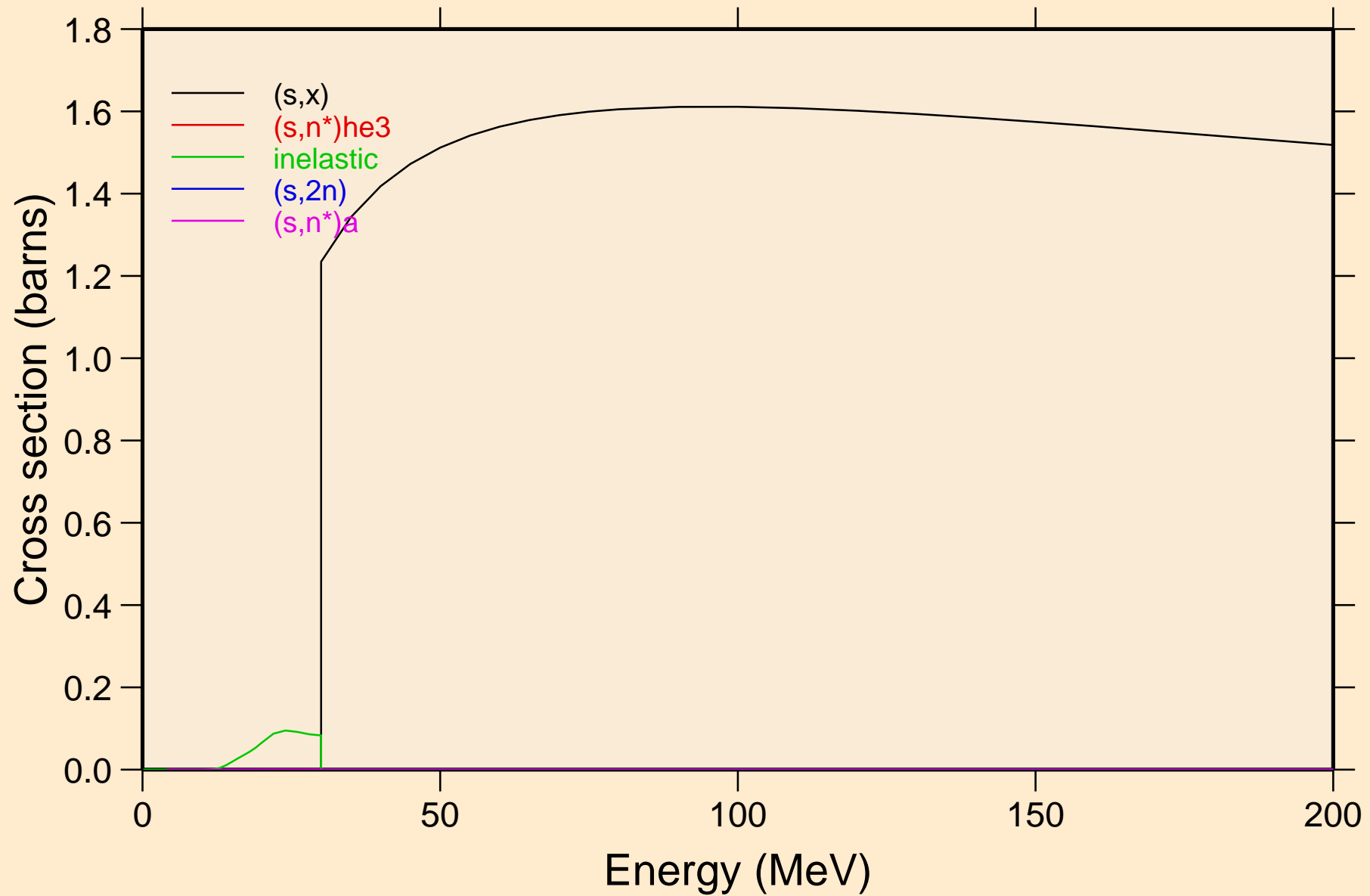
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Heating

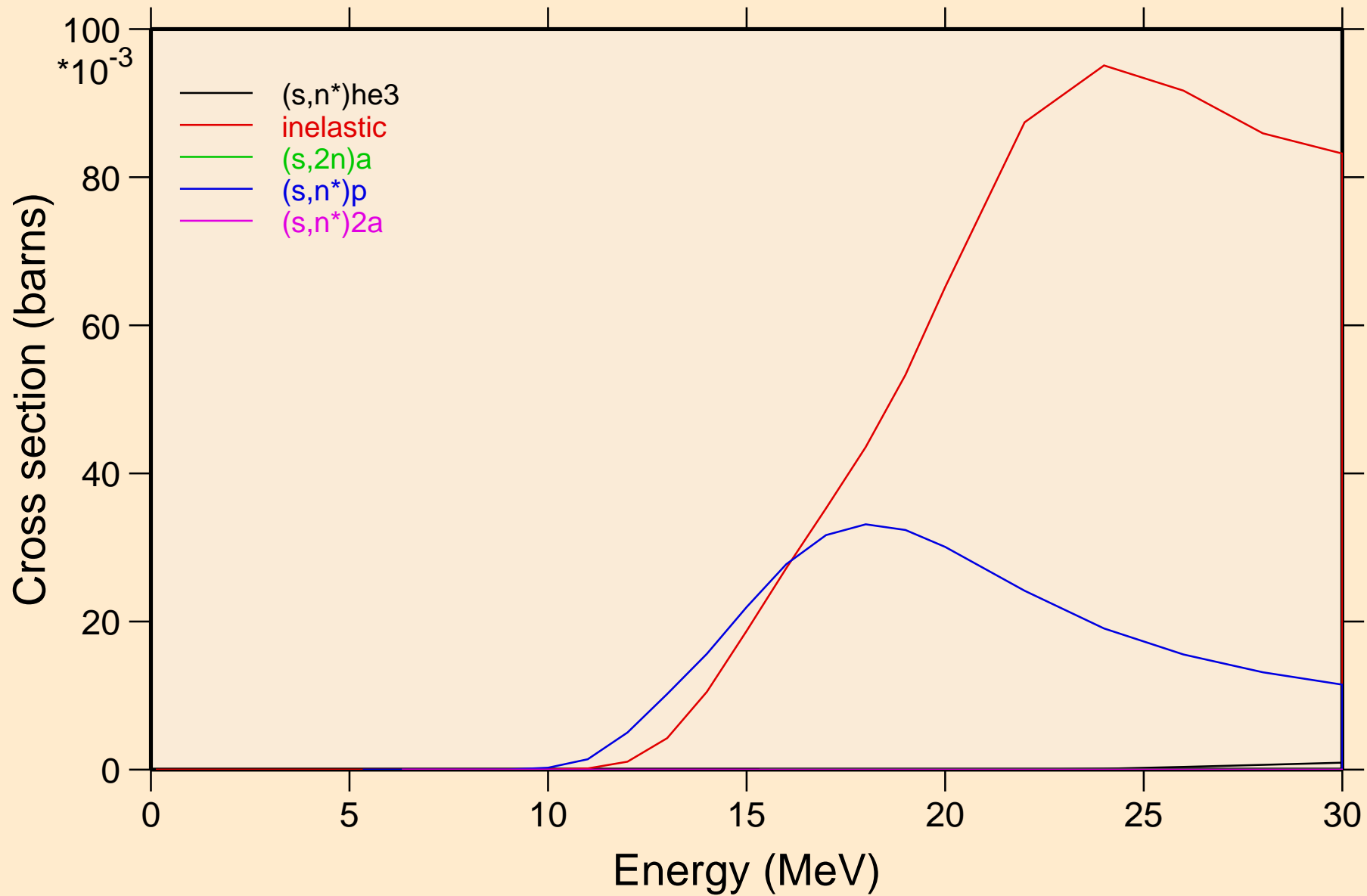


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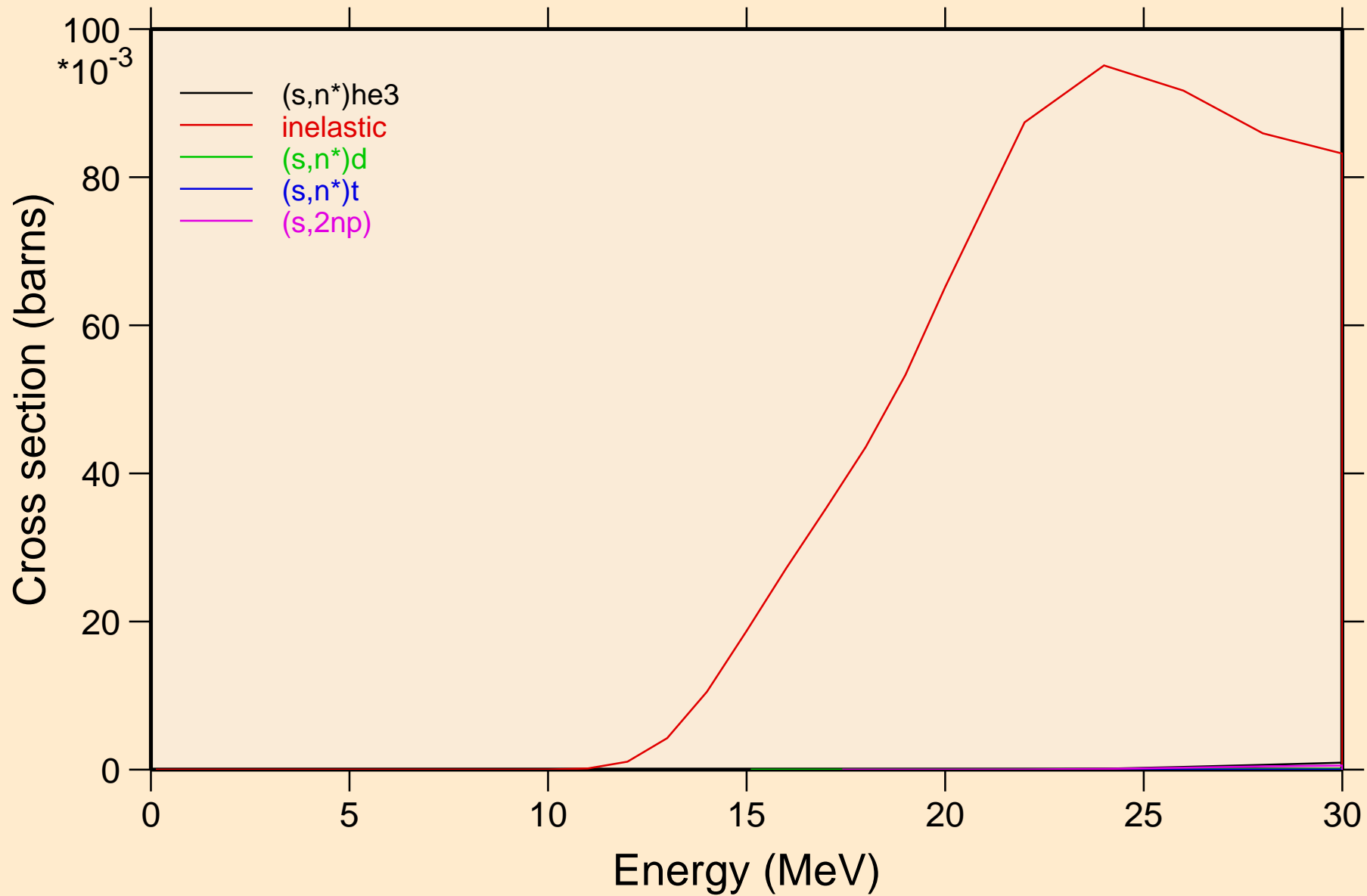
## Threshold reactions



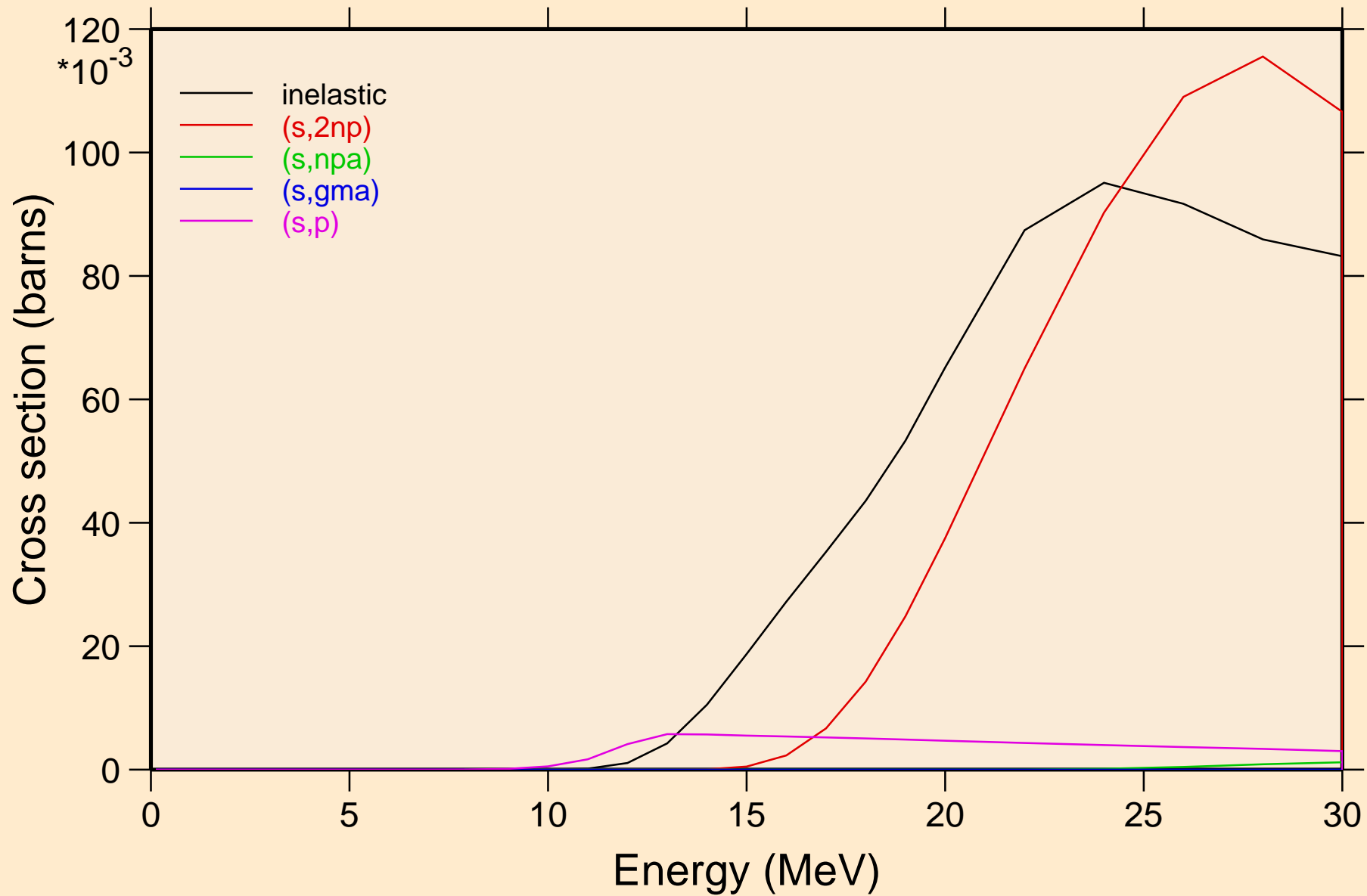
ZR083 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



ZR083 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

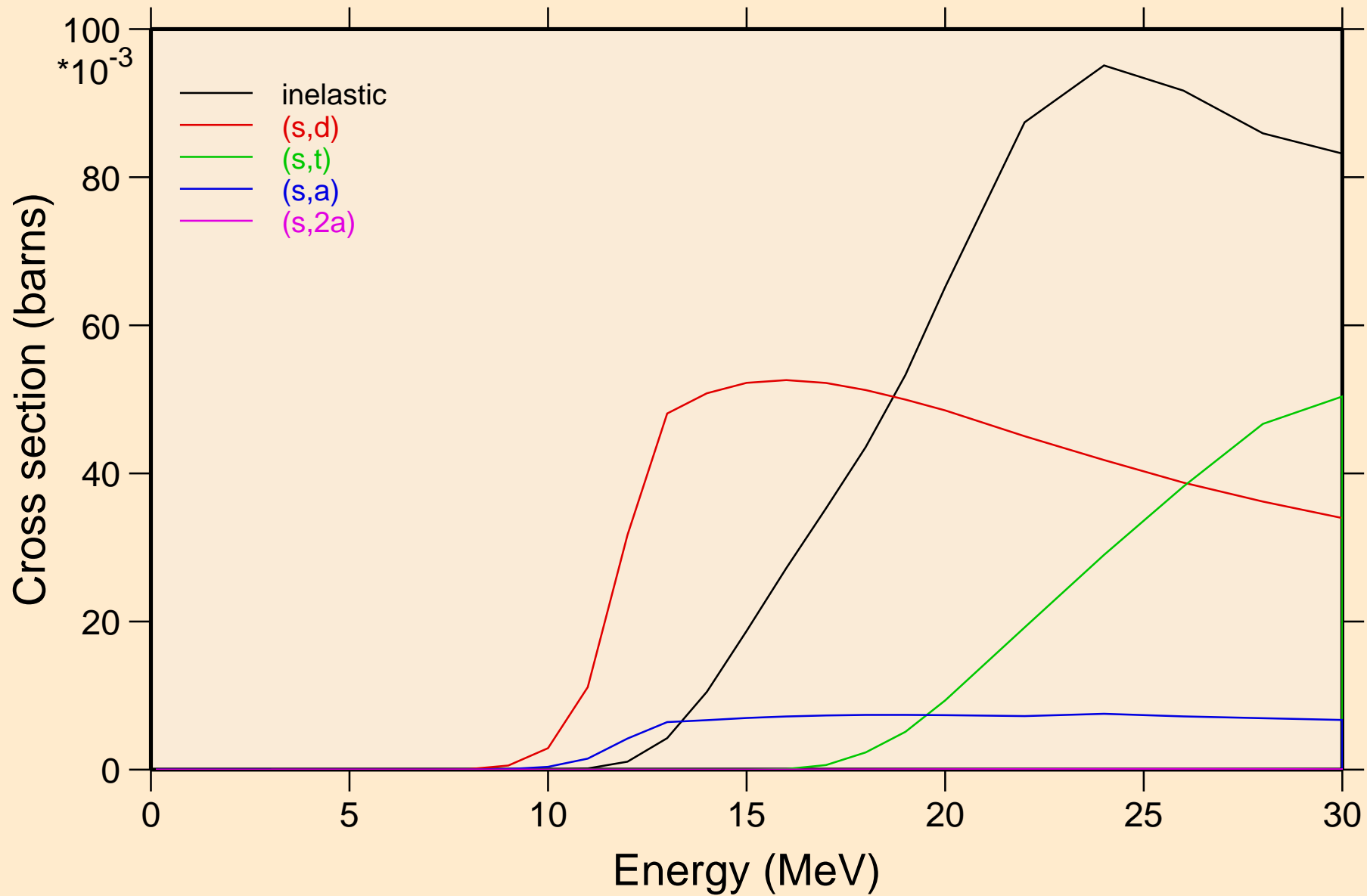


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Threshold reactions

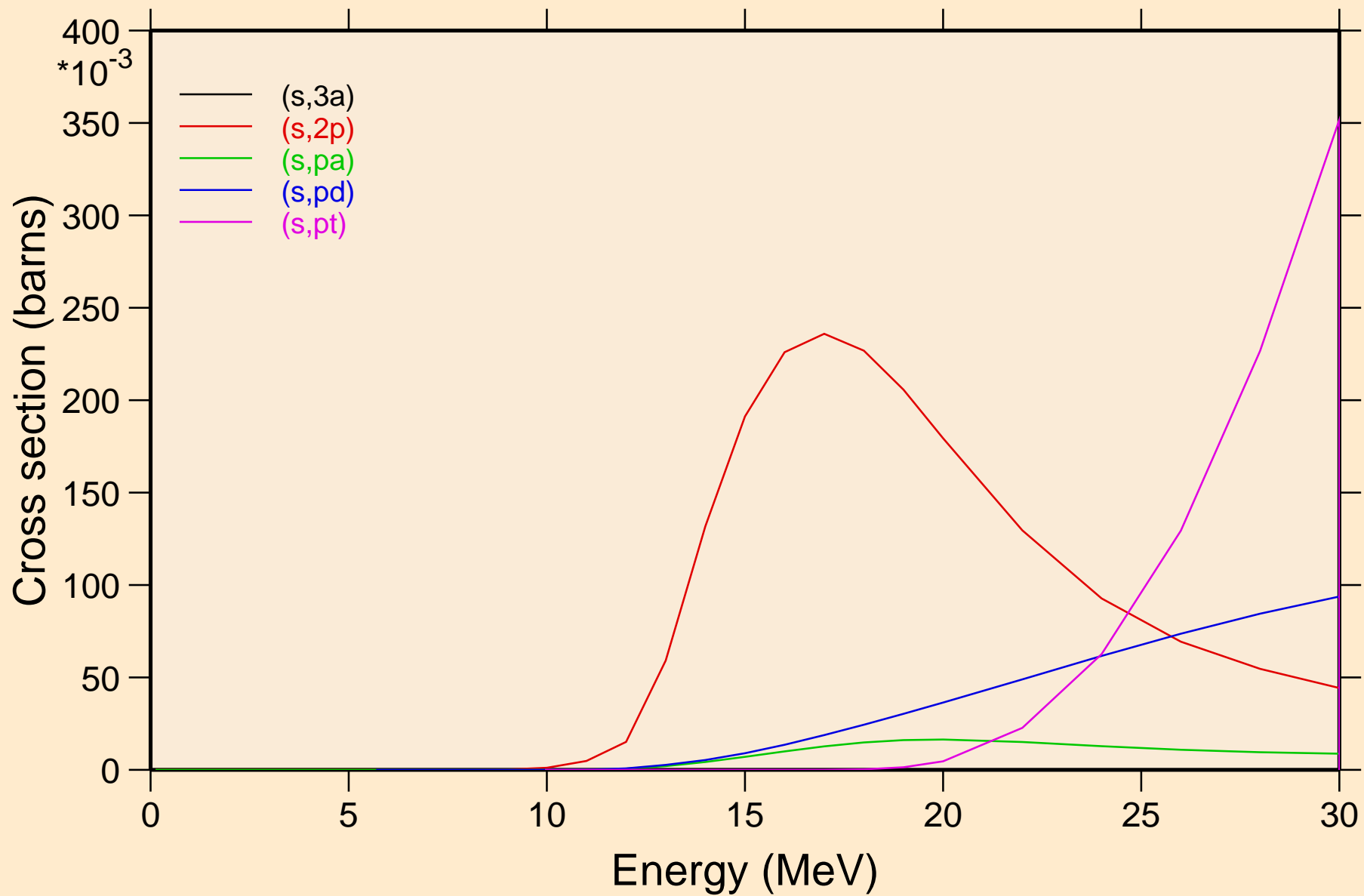




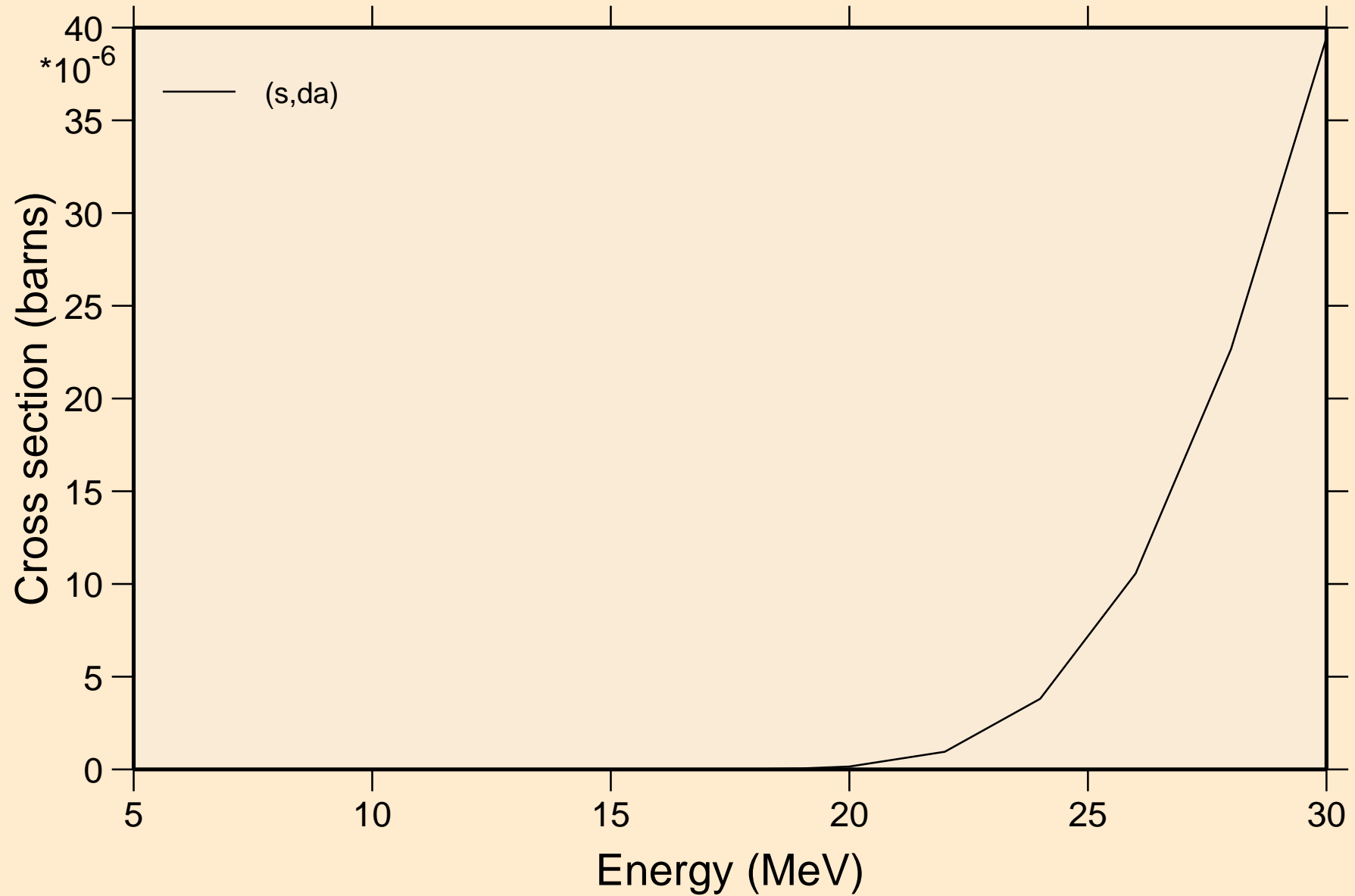
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Threshold reactions



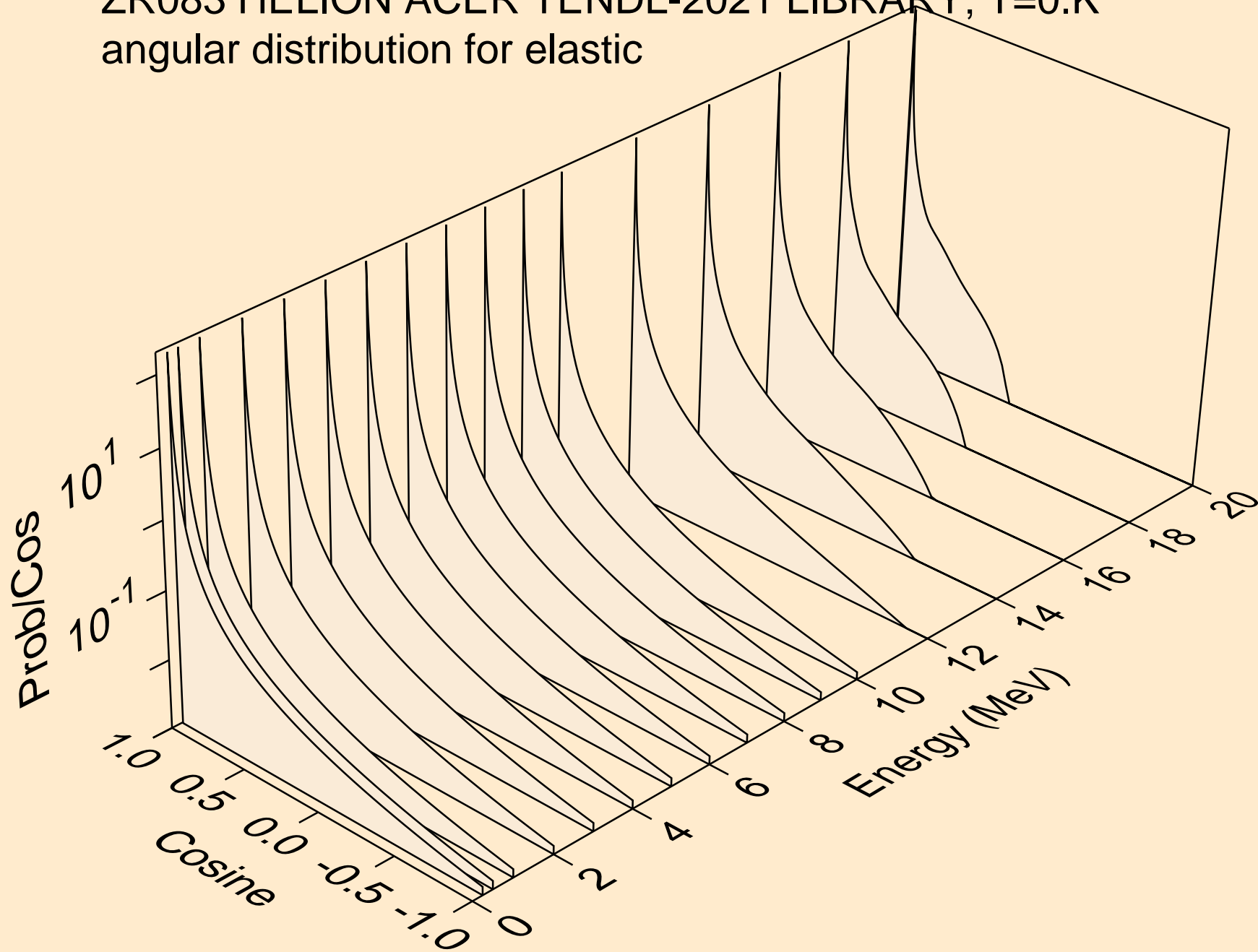
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Threshold reactions



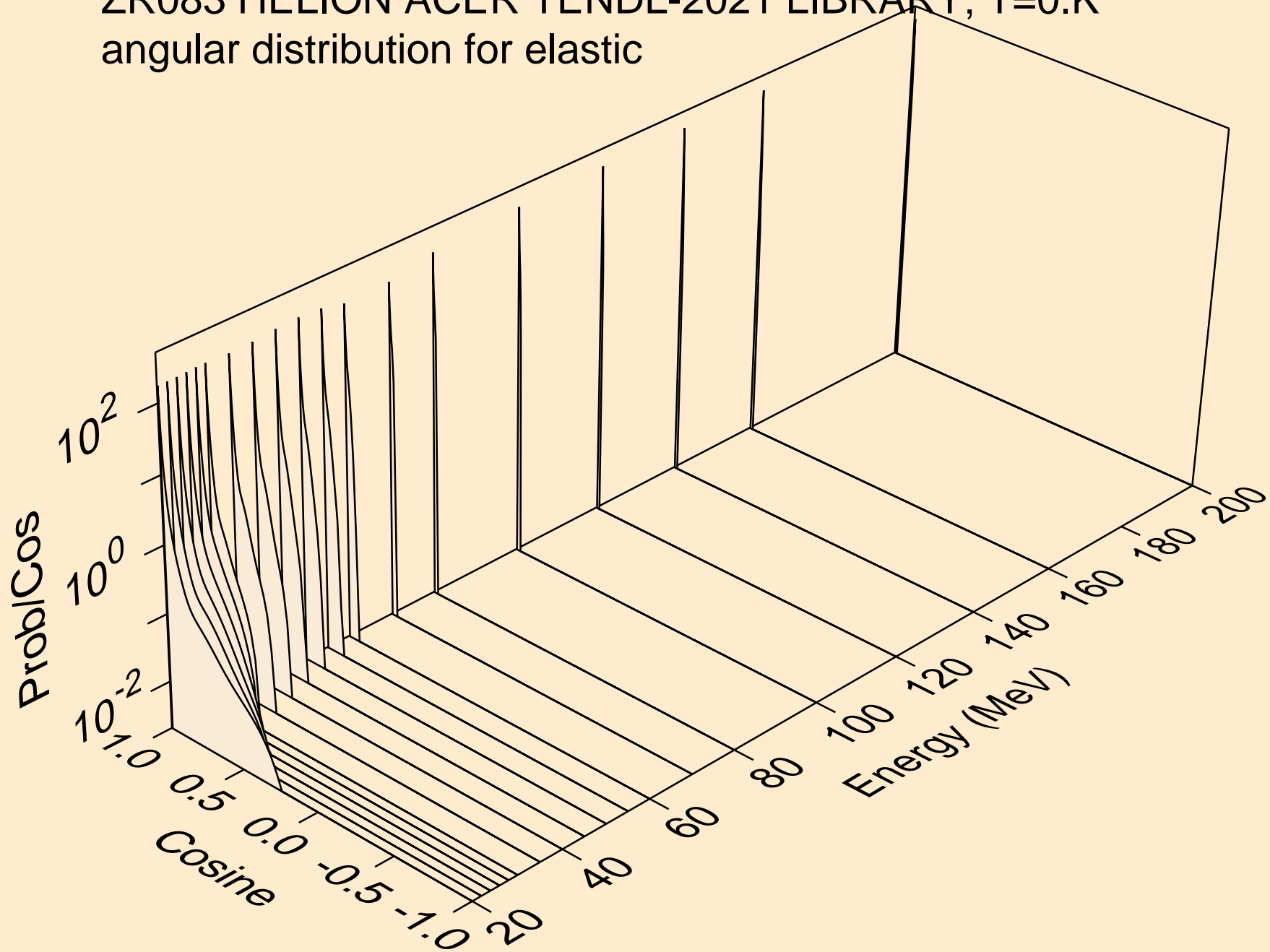
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Threshold reactions



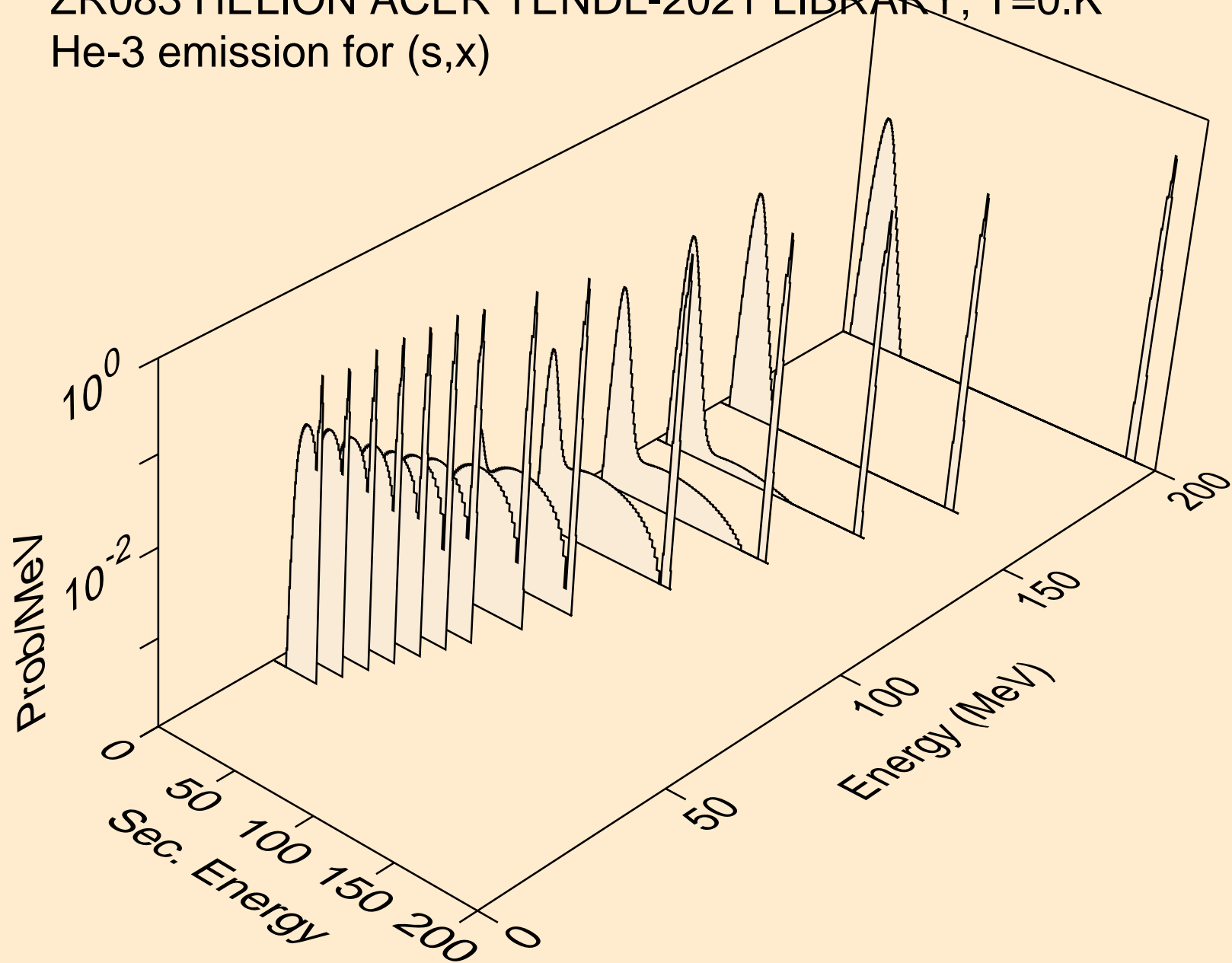
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angular distribution for elastic



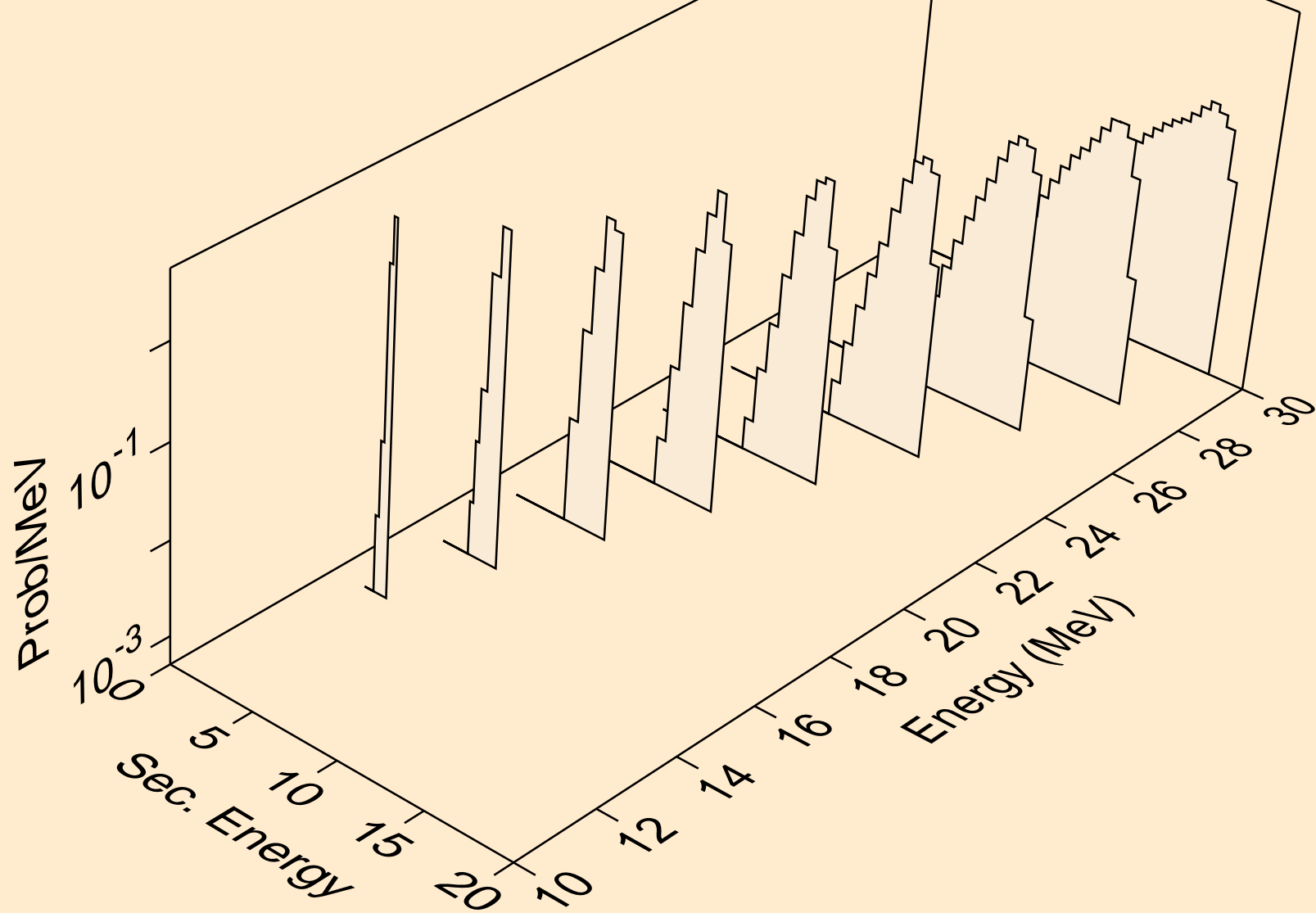
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angular distribution for elastic



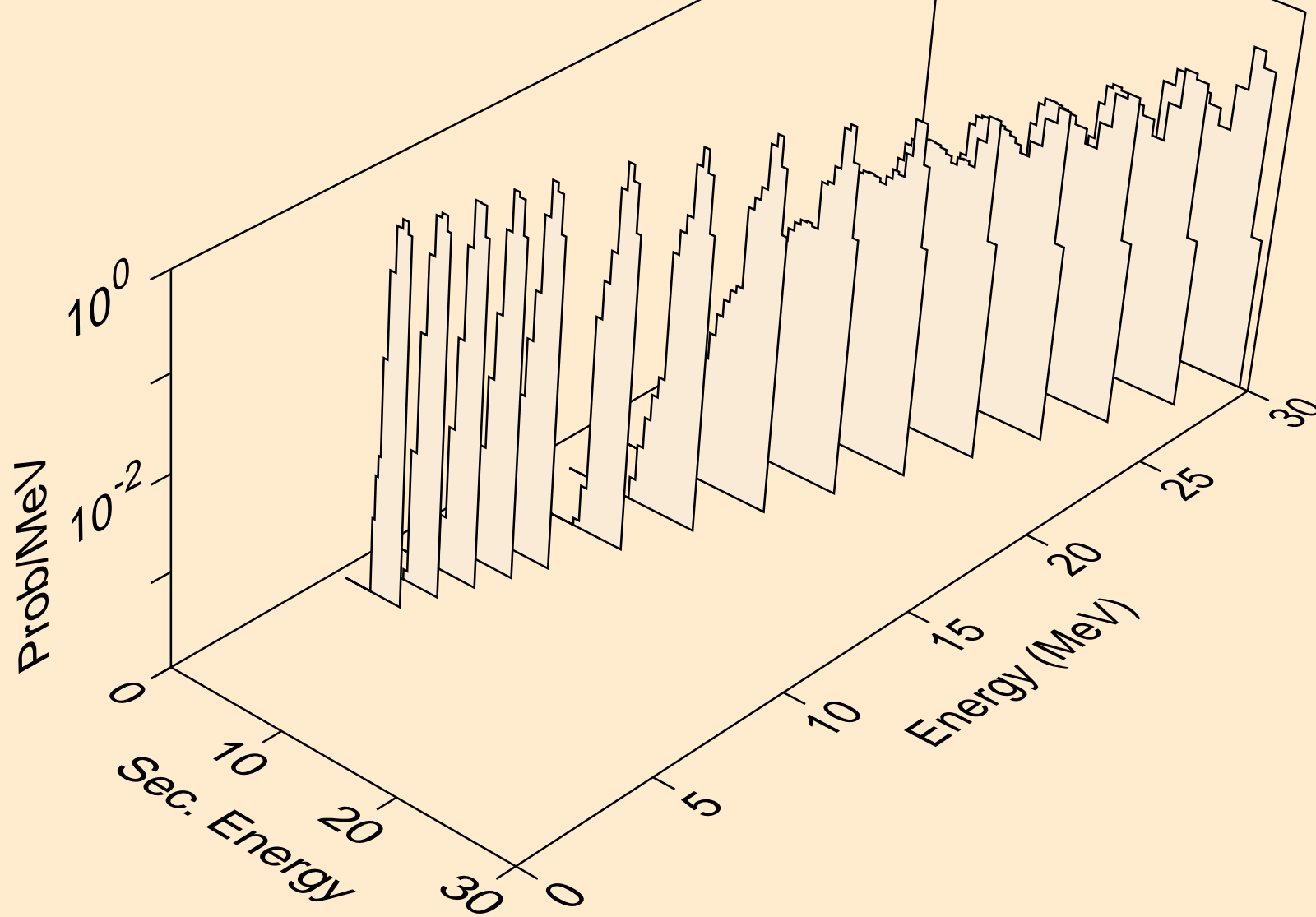
ZR083 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,x)



ZR083 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

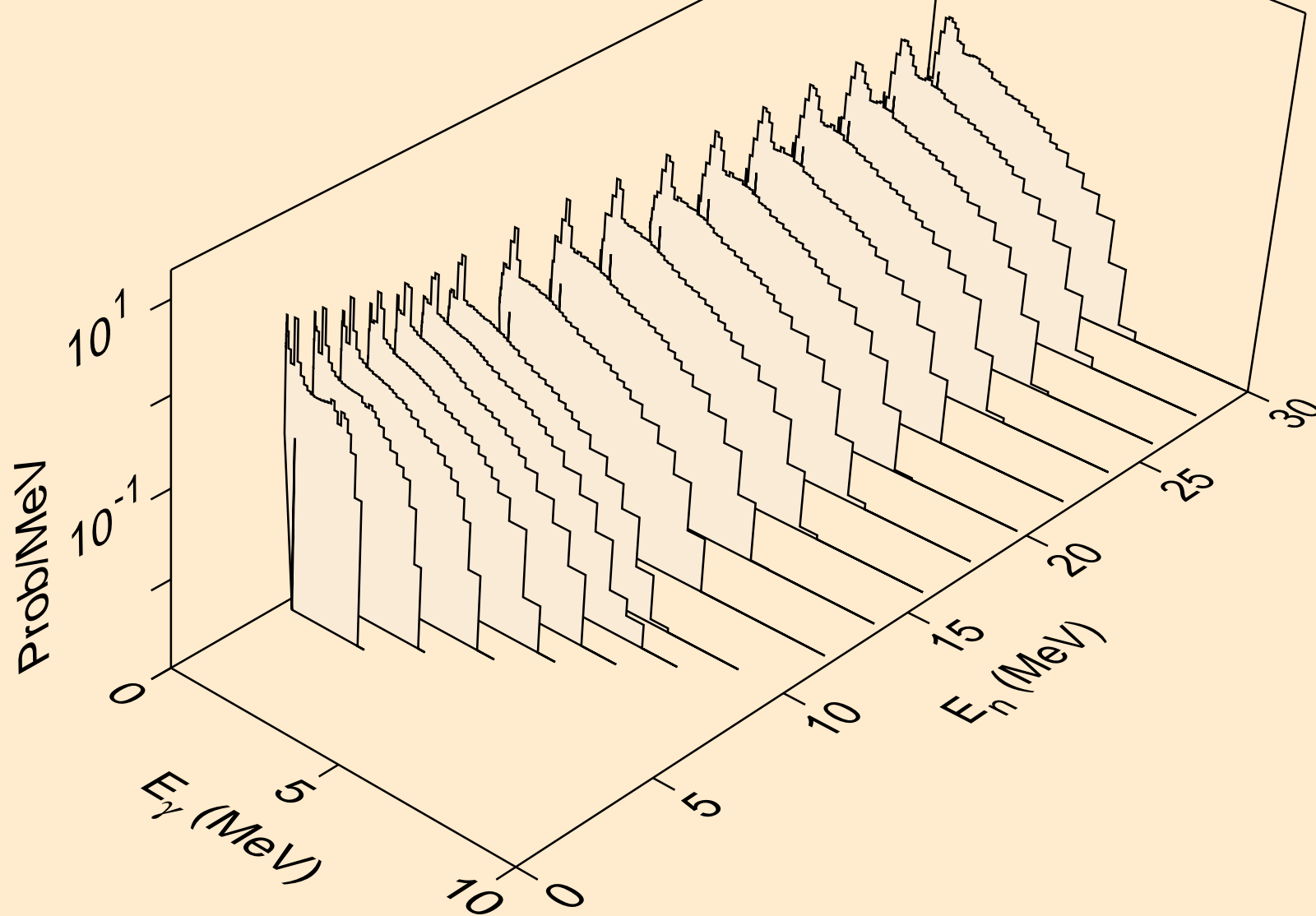


ZR083 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for inelastic

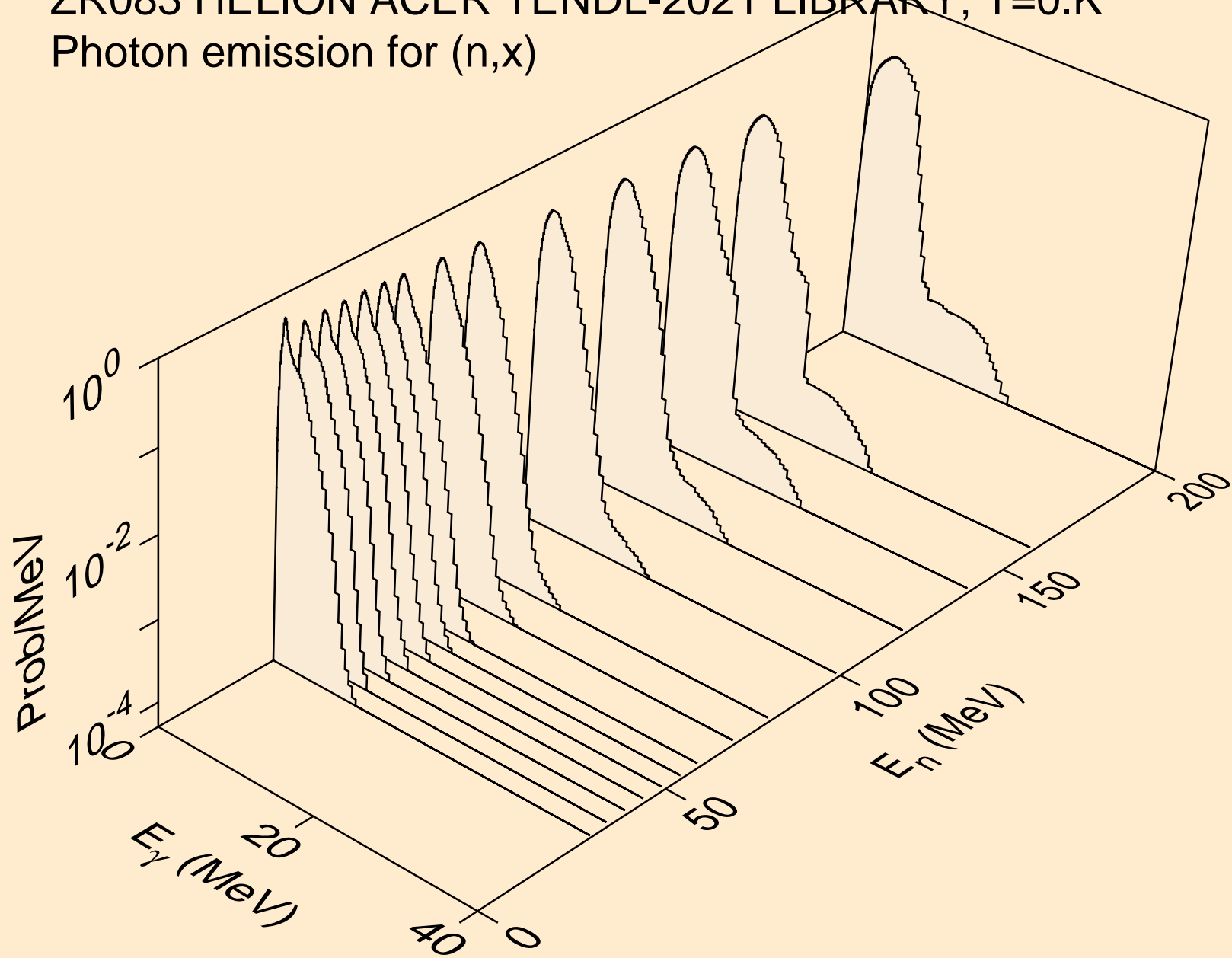




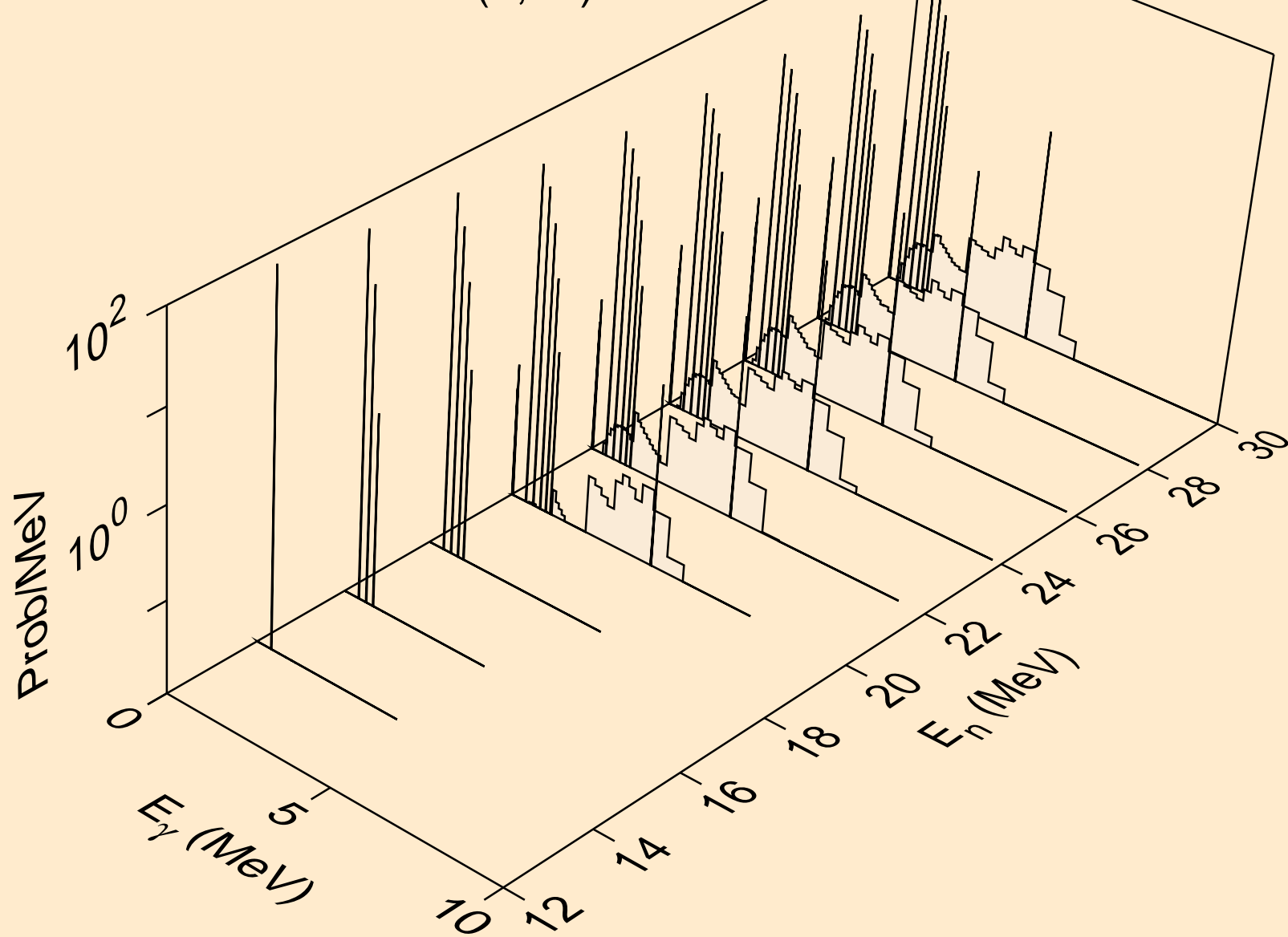
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Photon emission for (z,n)



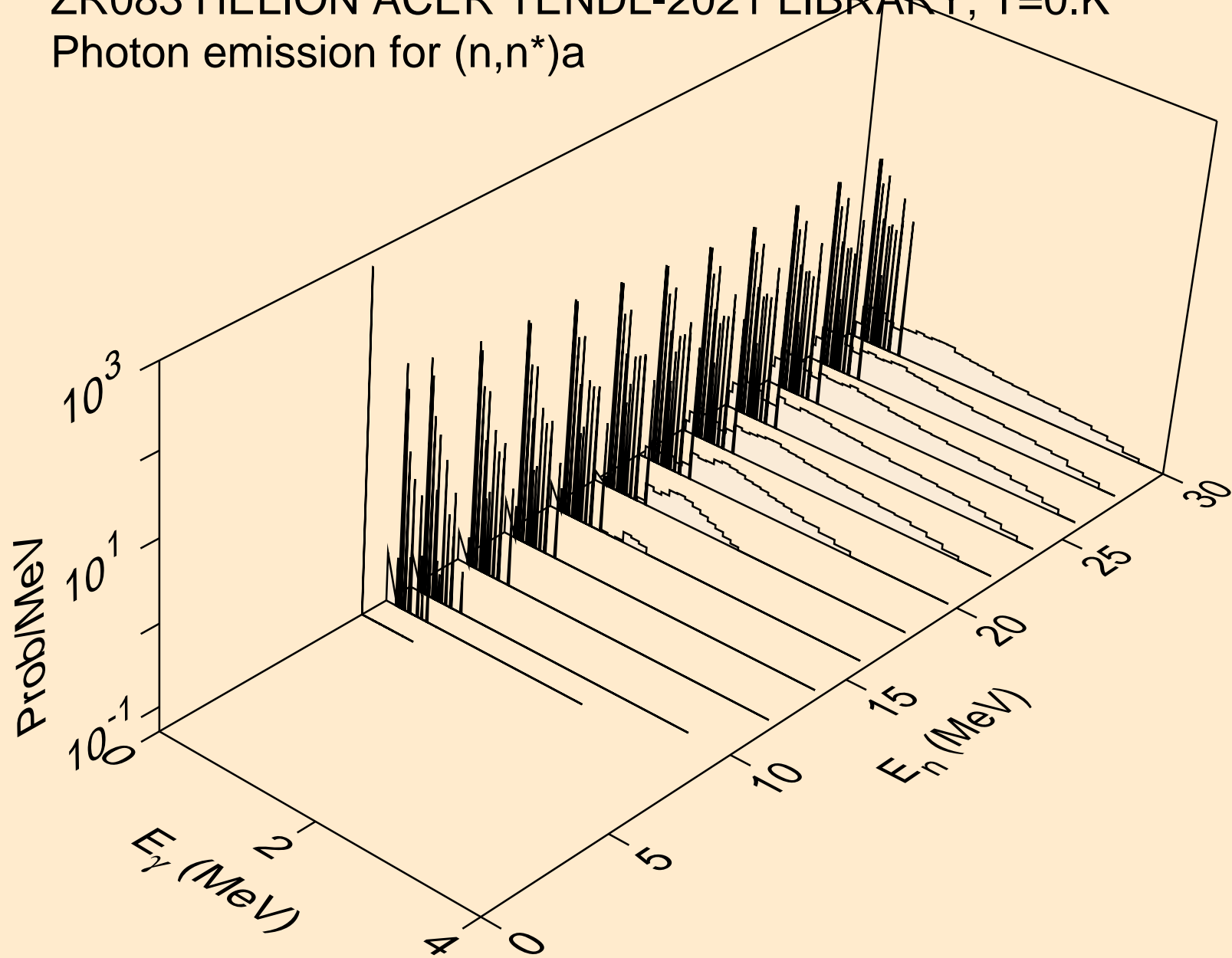
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Photon emission for (n,x)



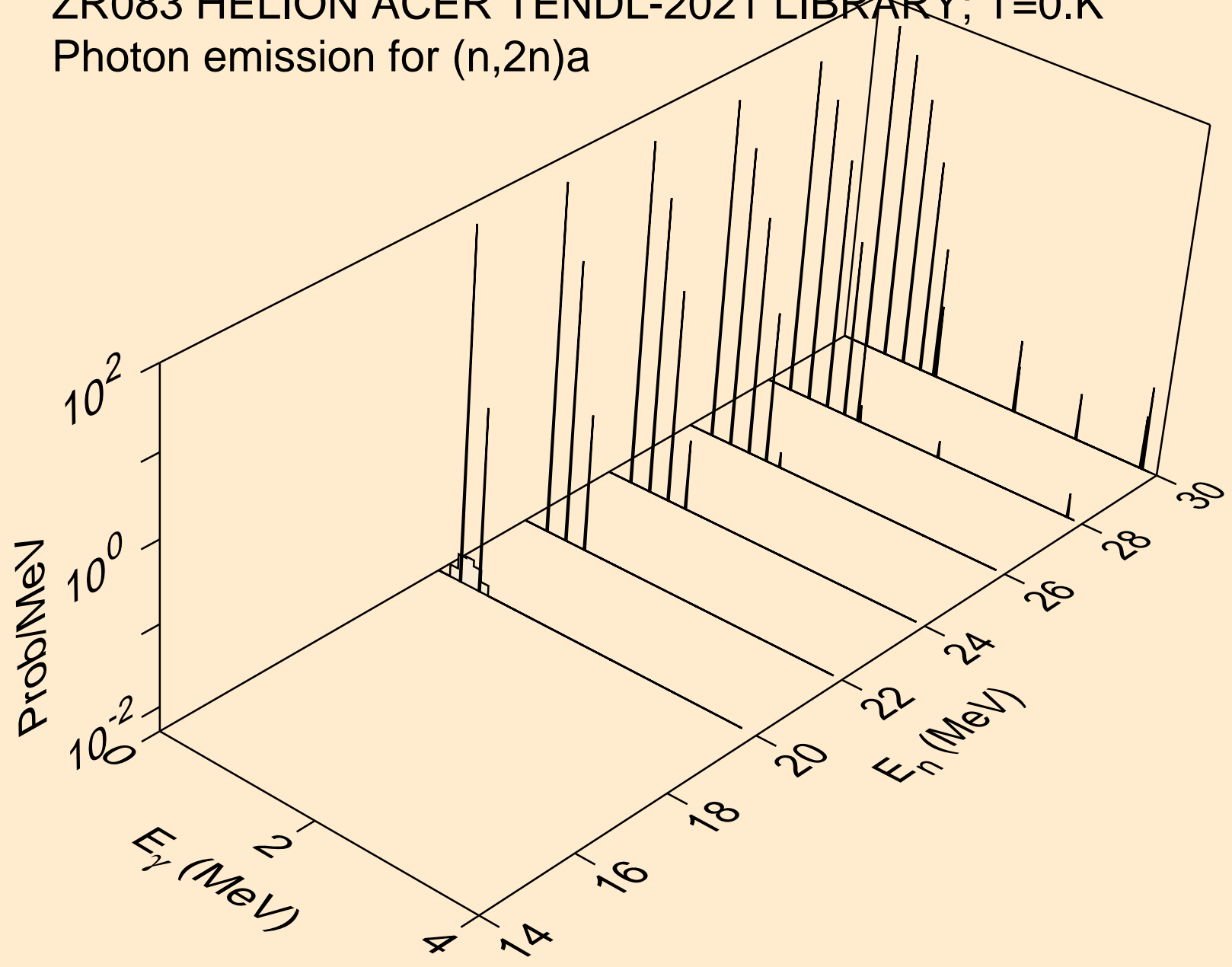
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Photon emission for (n,2n)



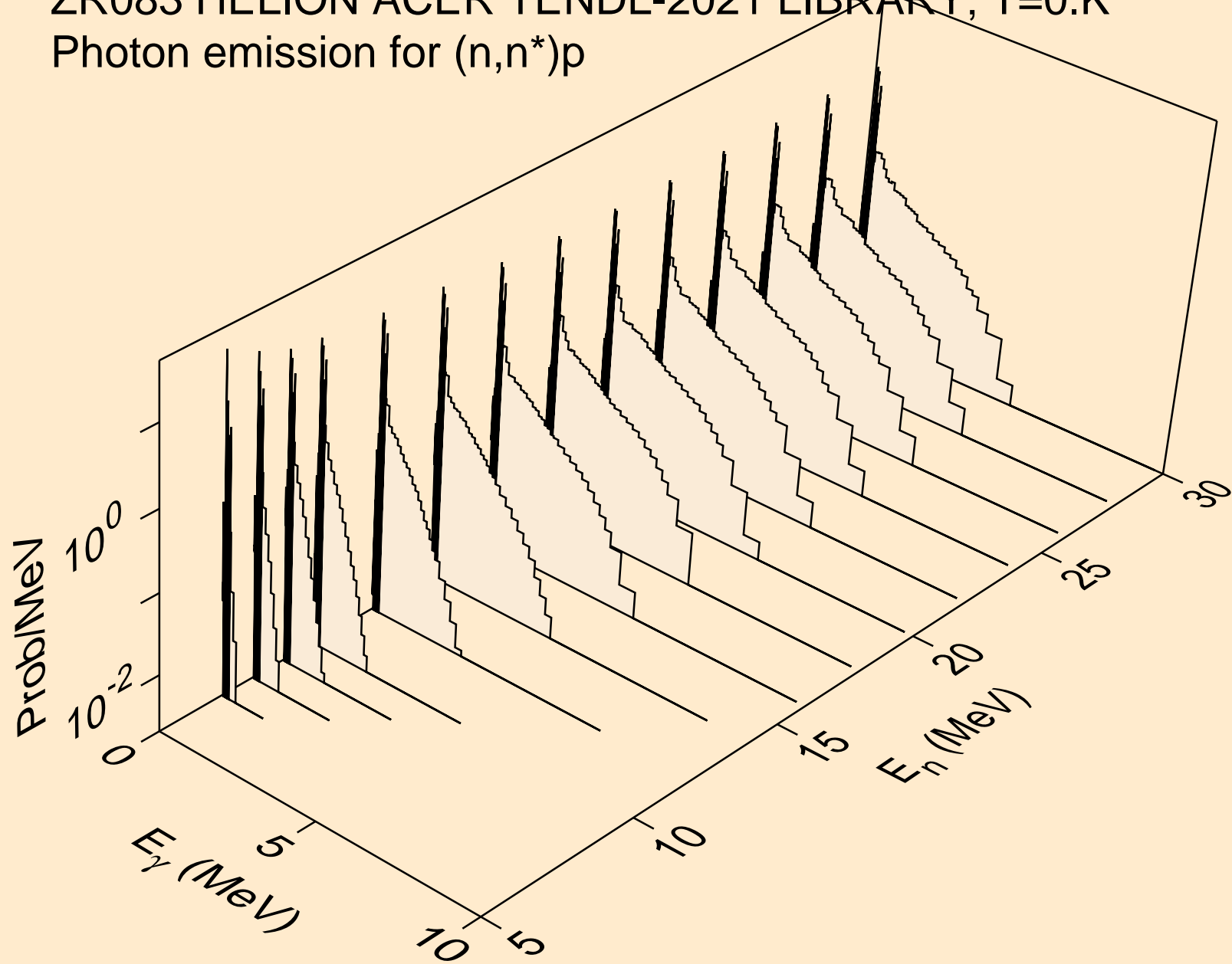
ZR083 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



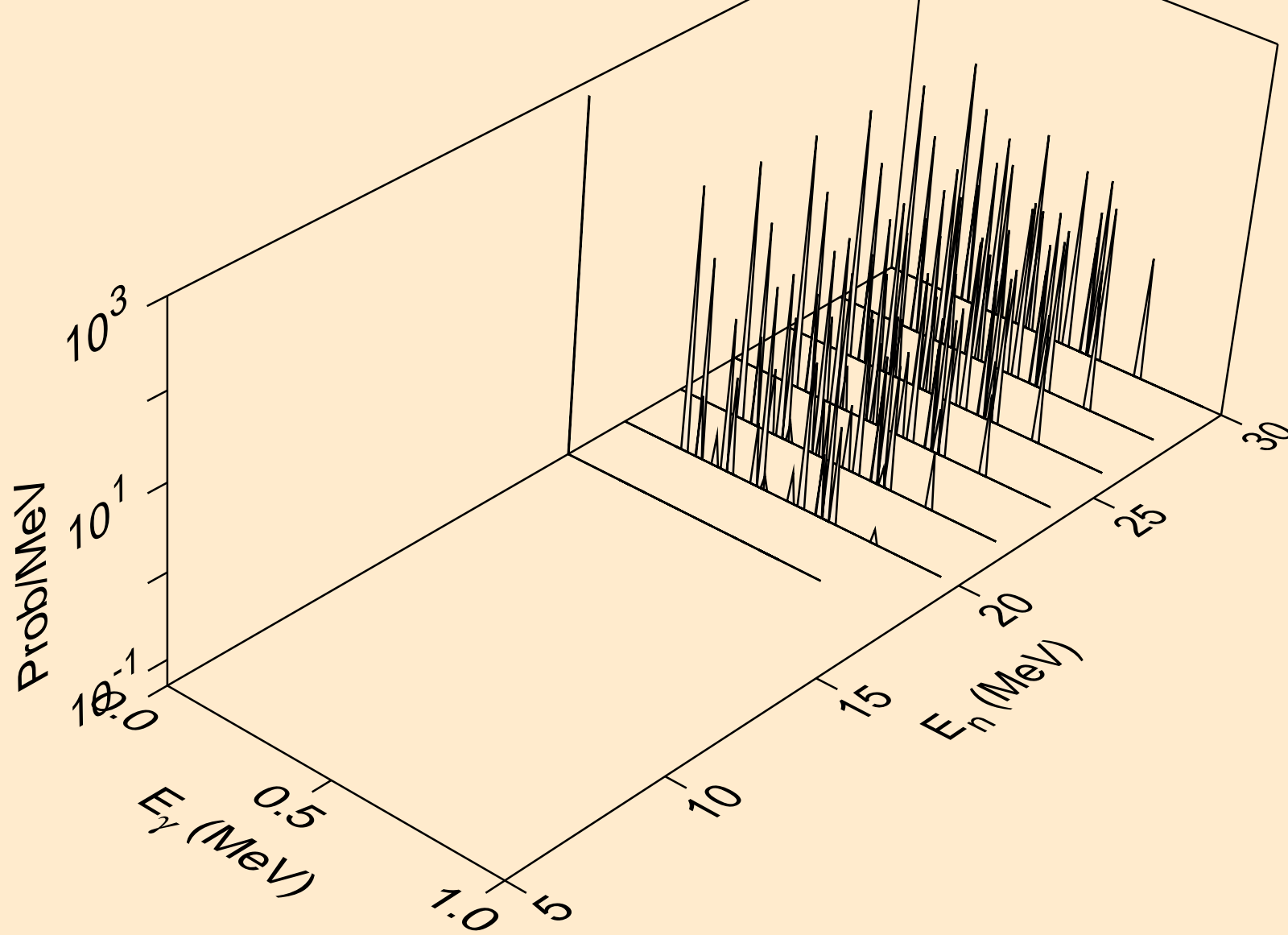
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Photon emission for (n,2n)a



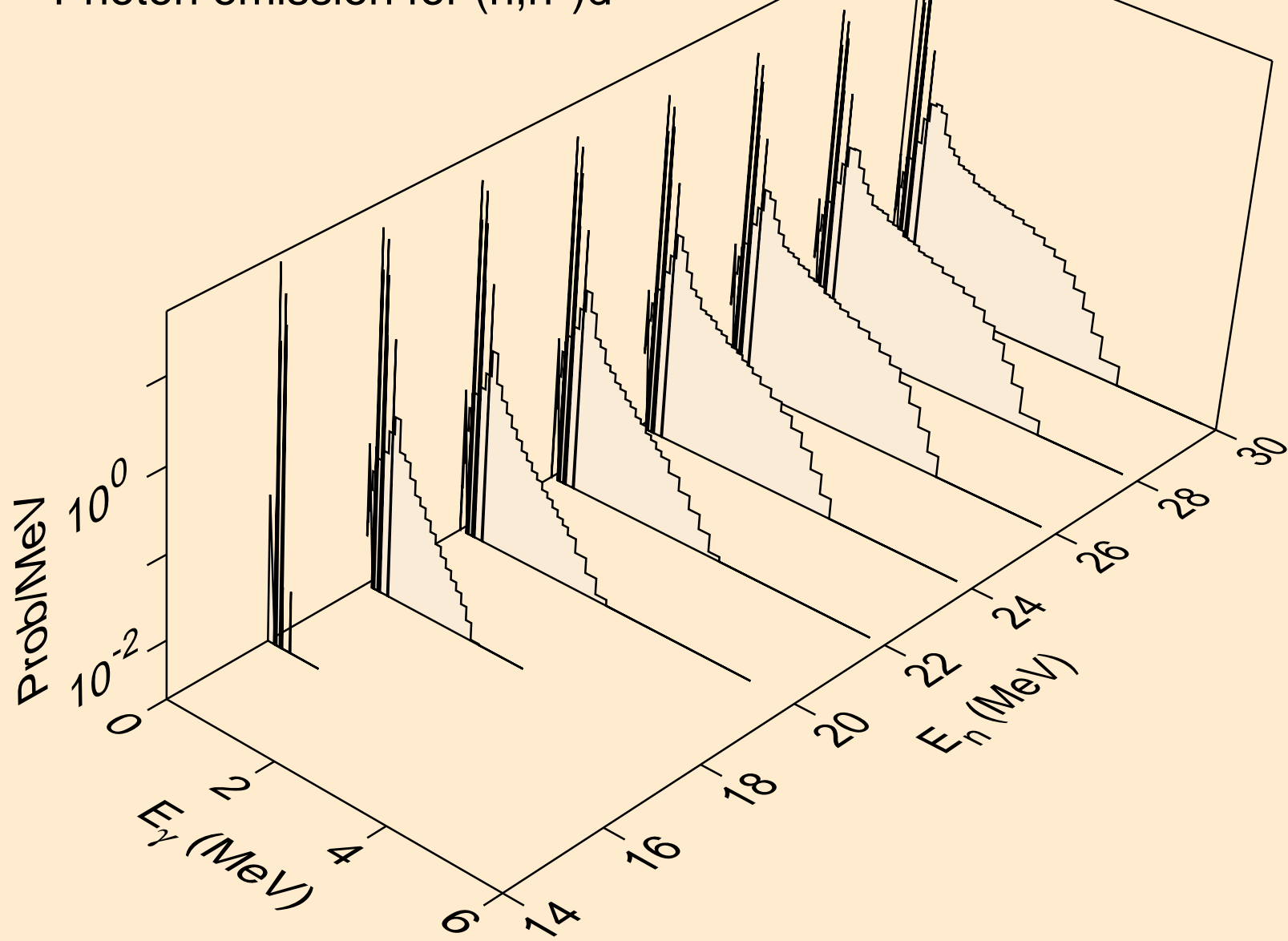
ZR083 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



ZR083 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

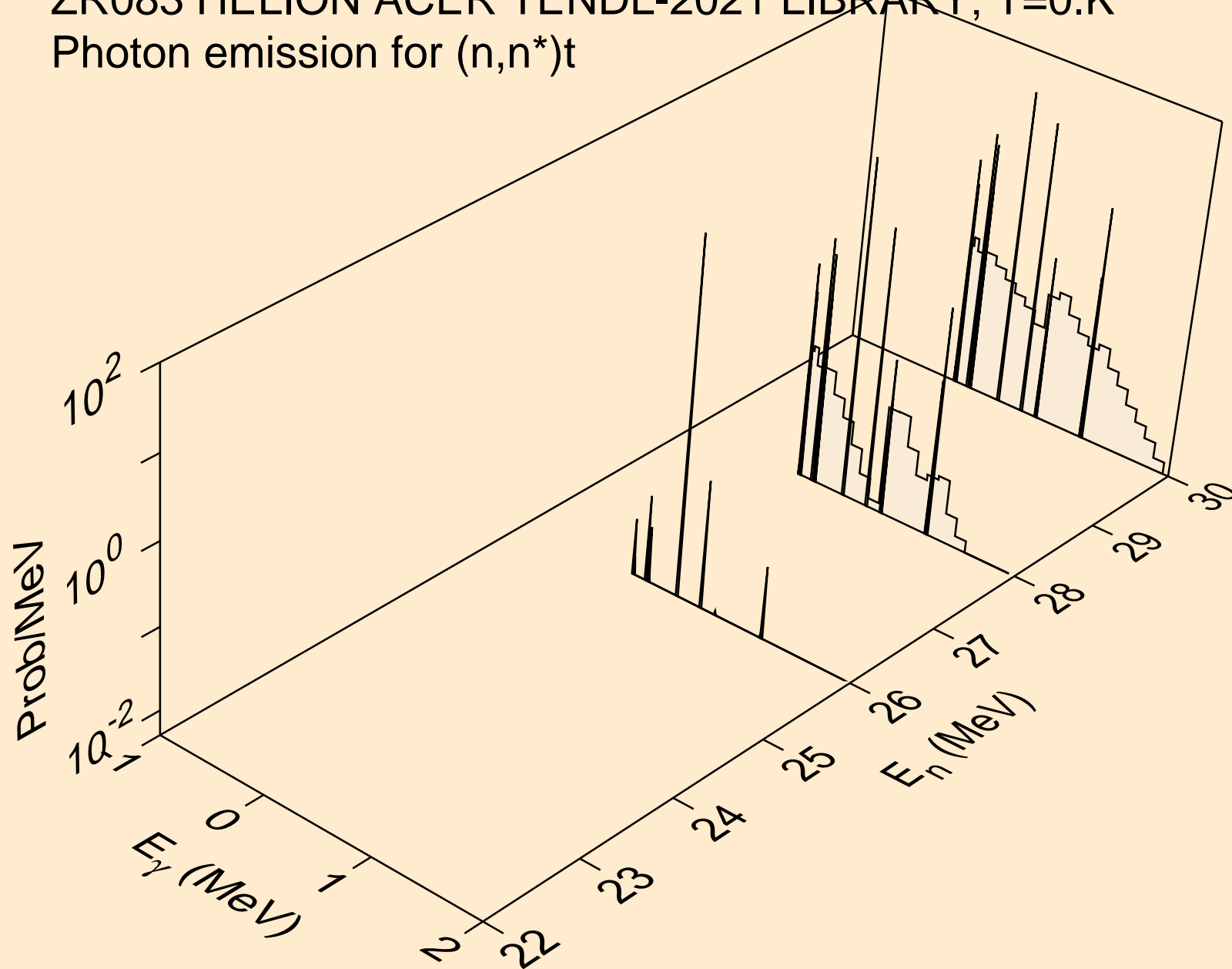


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Photon emission for (n,n\*)d

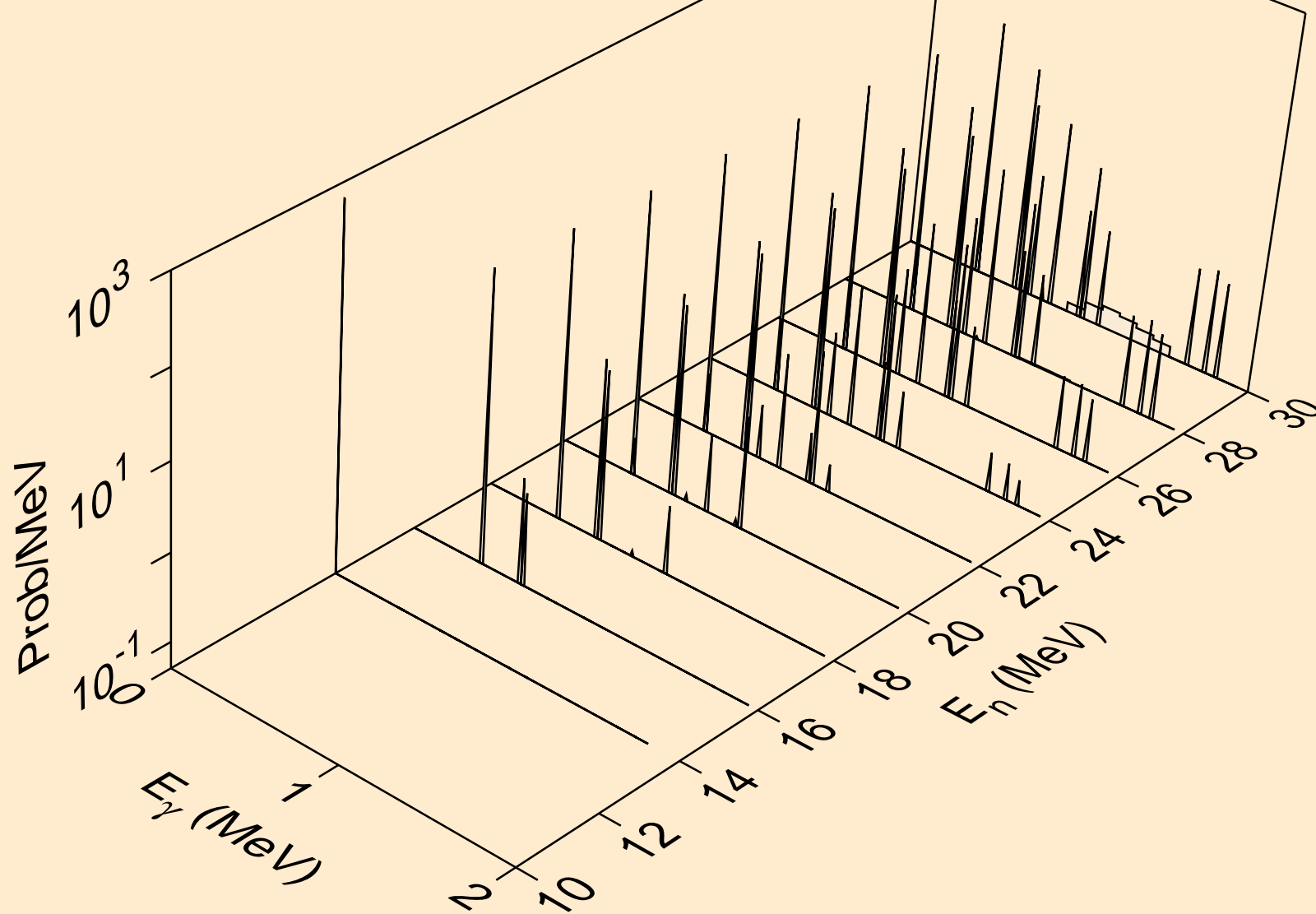




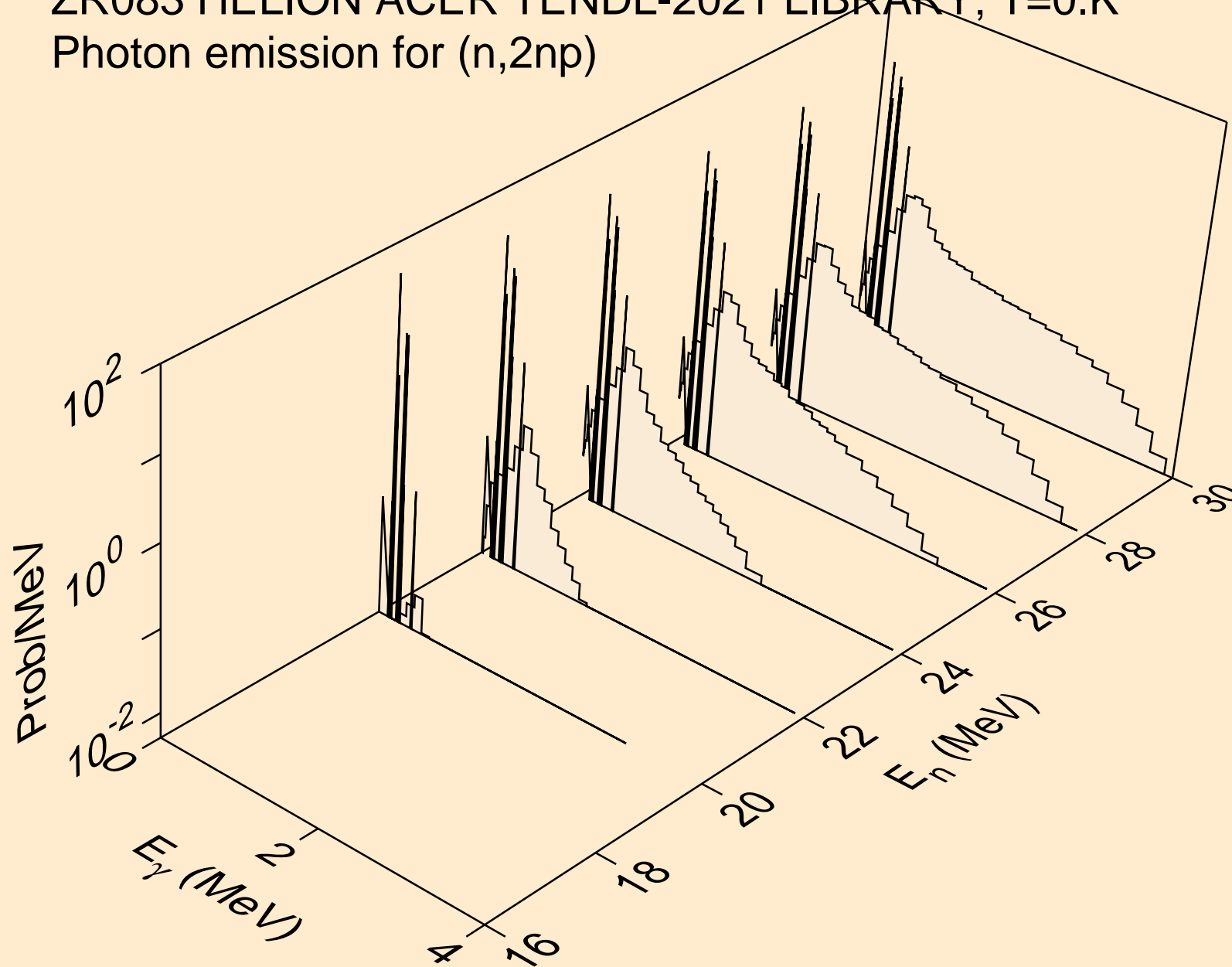
ZR083 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



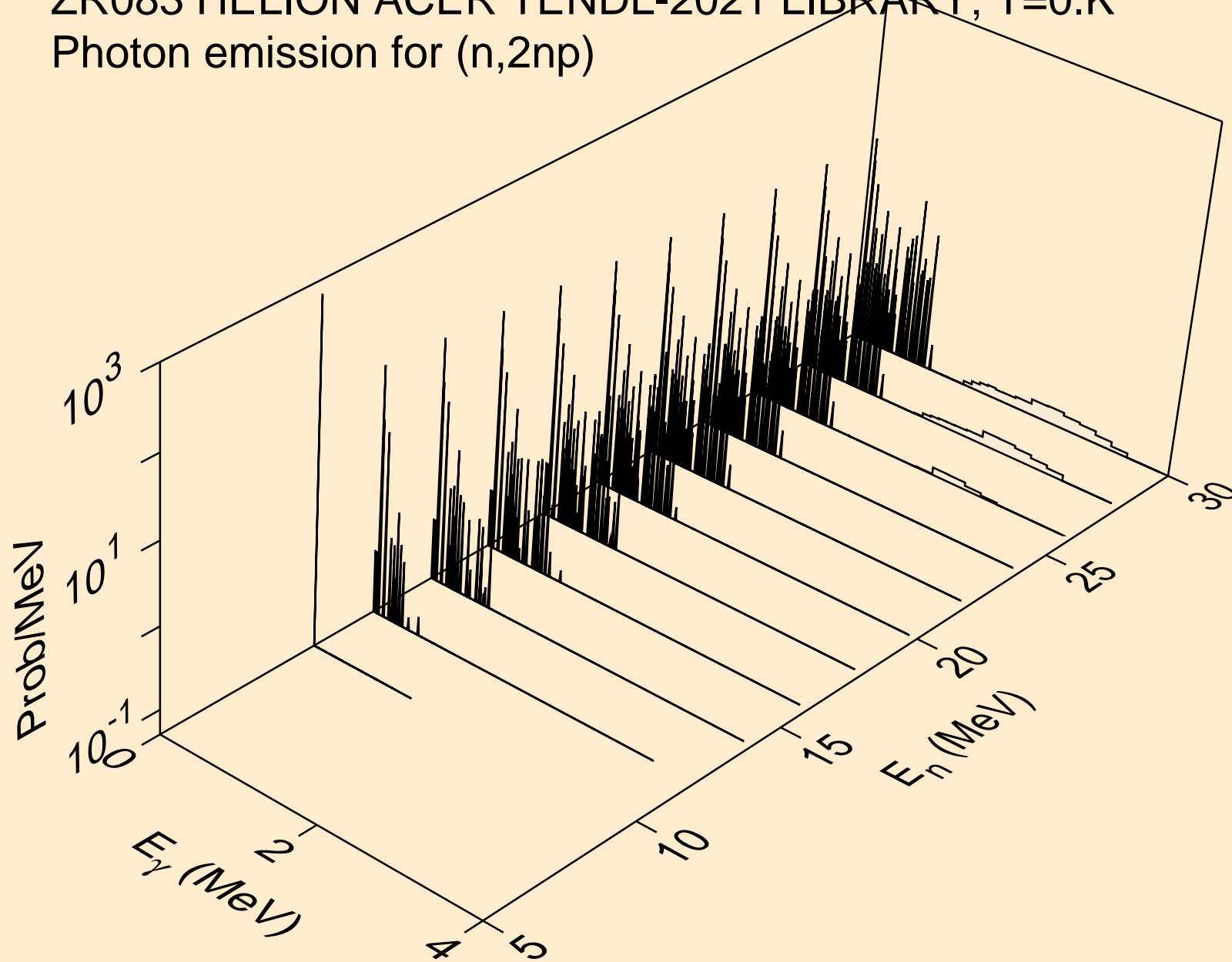
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Photon emission for (n,n\*)he3



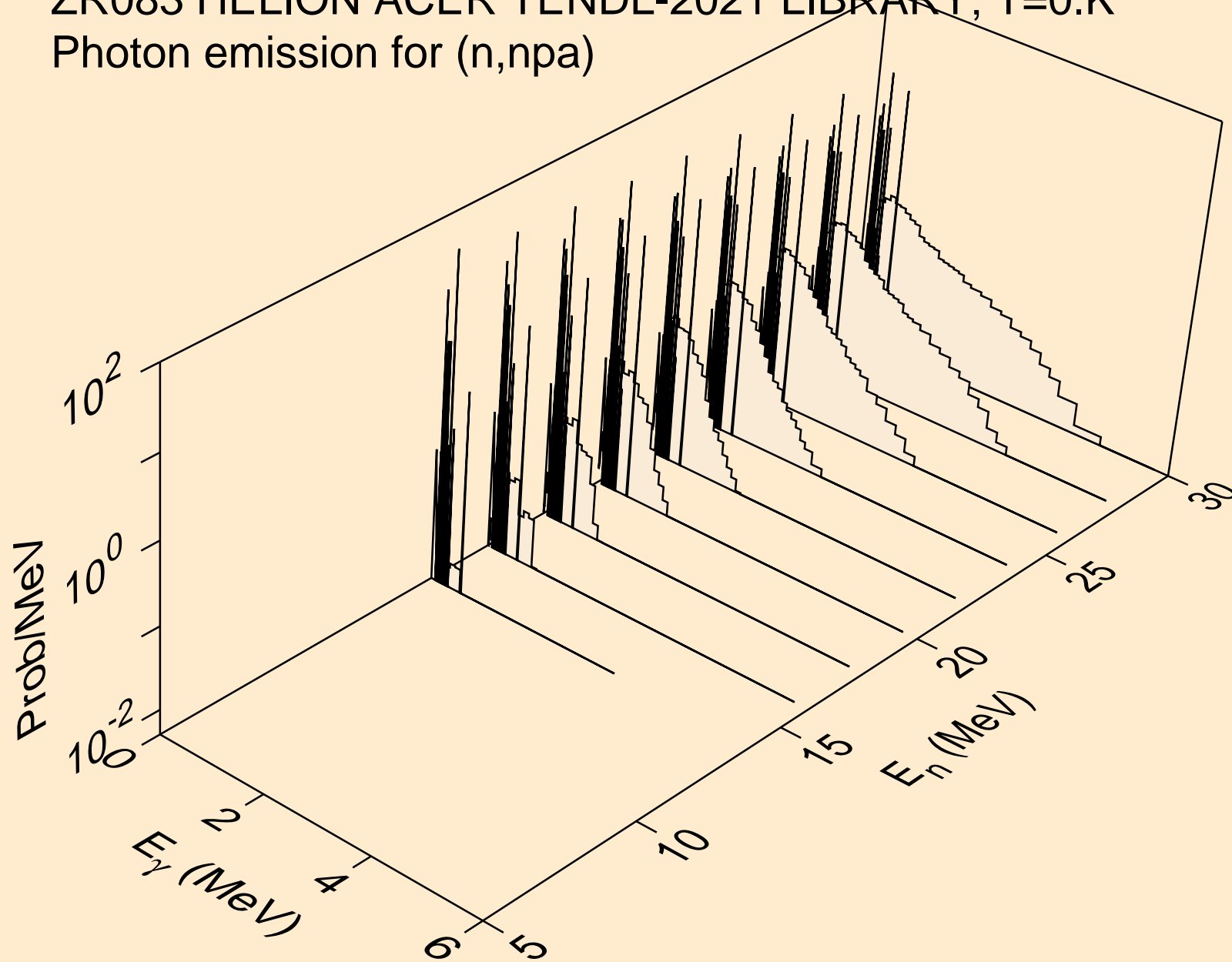
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Photon emission for (n,2np)



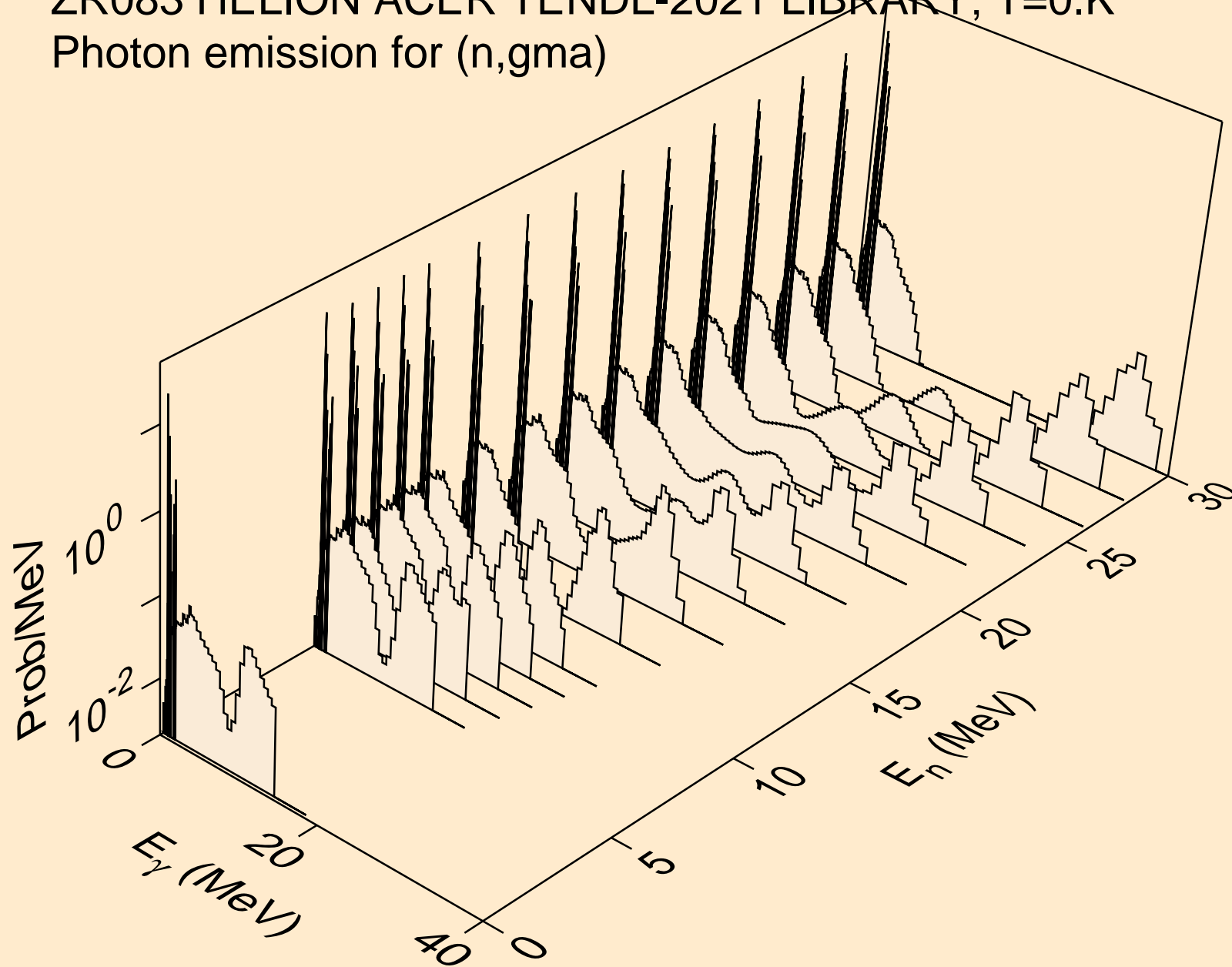
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Photon emission for (n,2np)



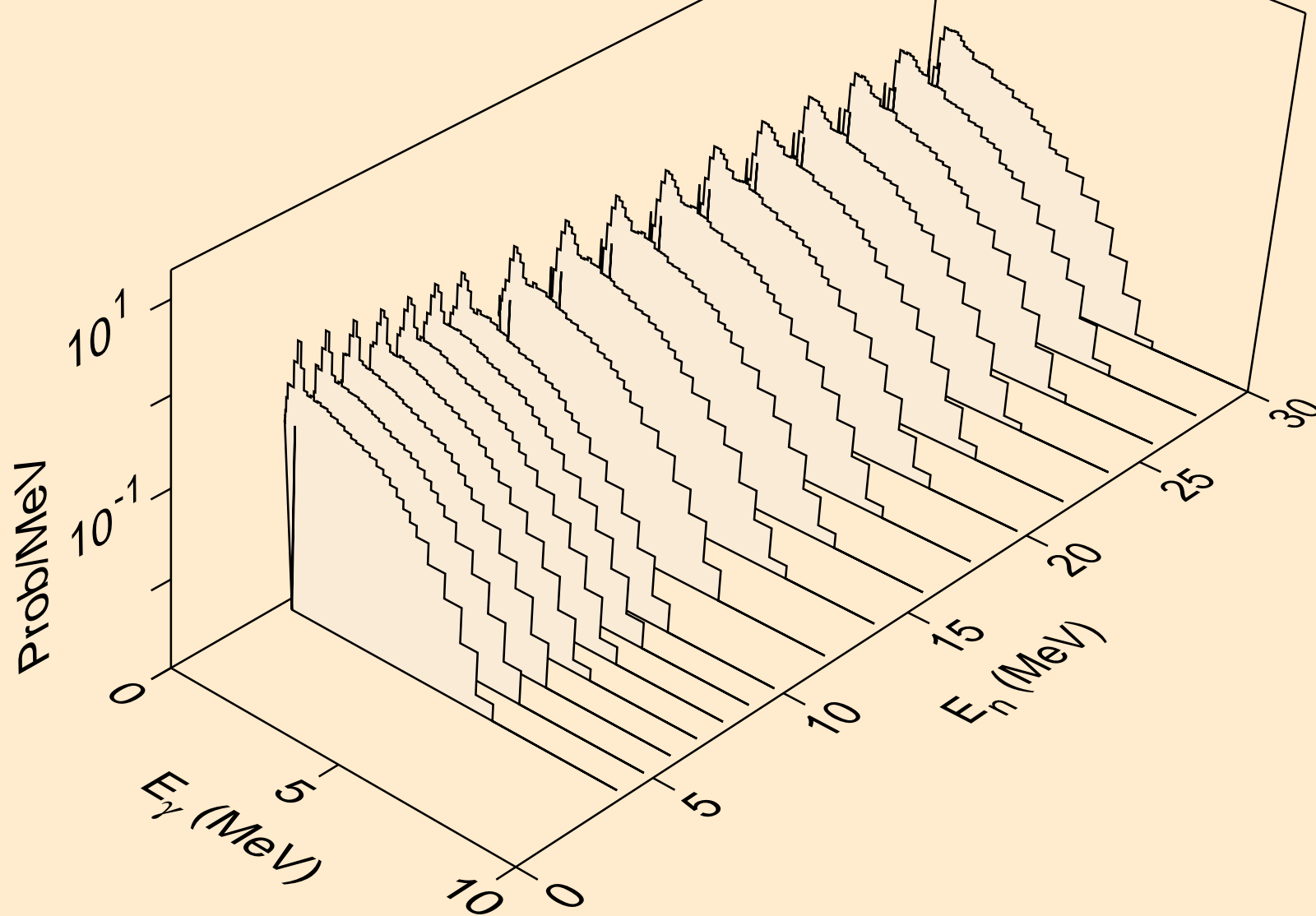
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Photon emission for (n,npa)



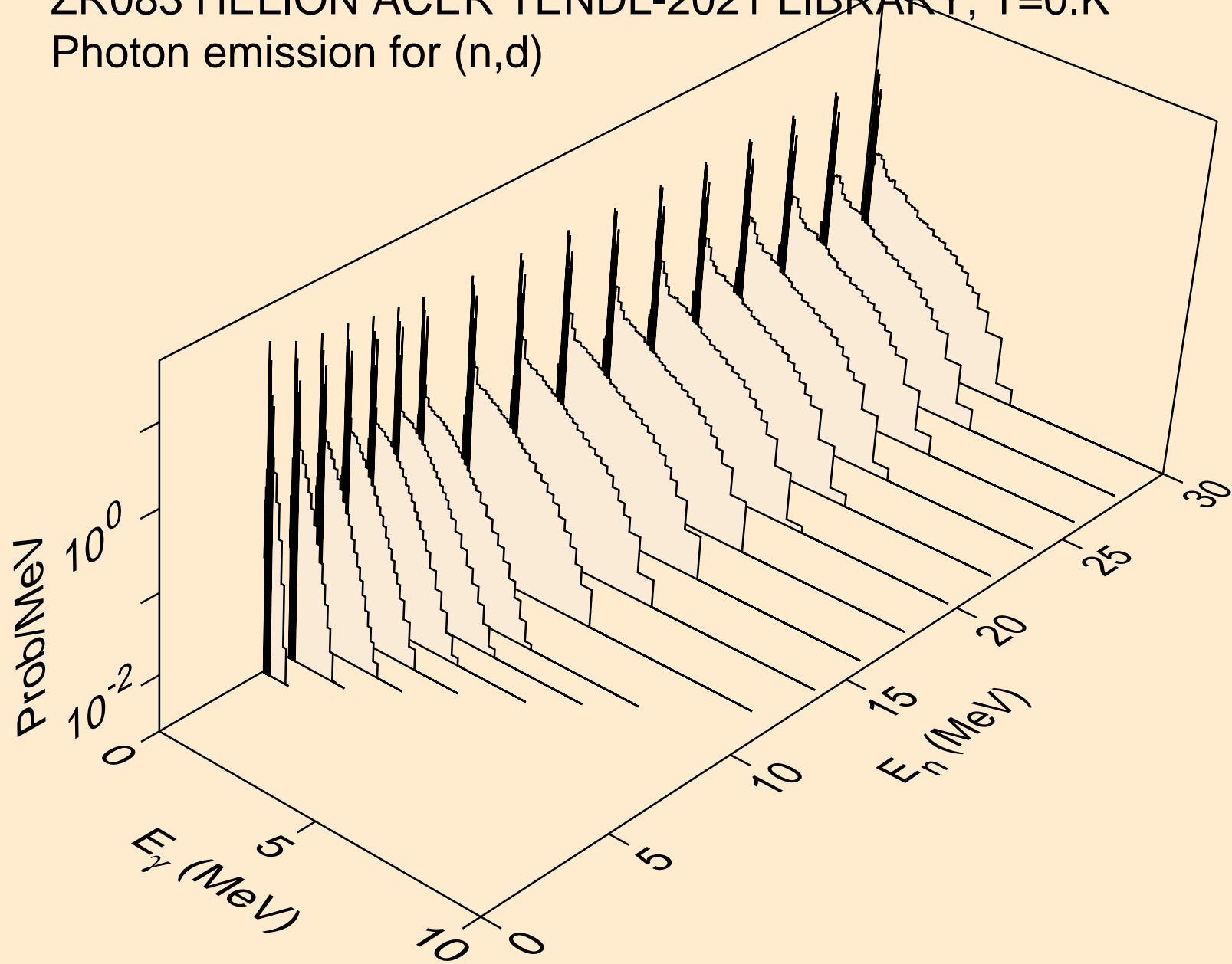
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Photon emission for (n,gma)



ZR083 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,p)

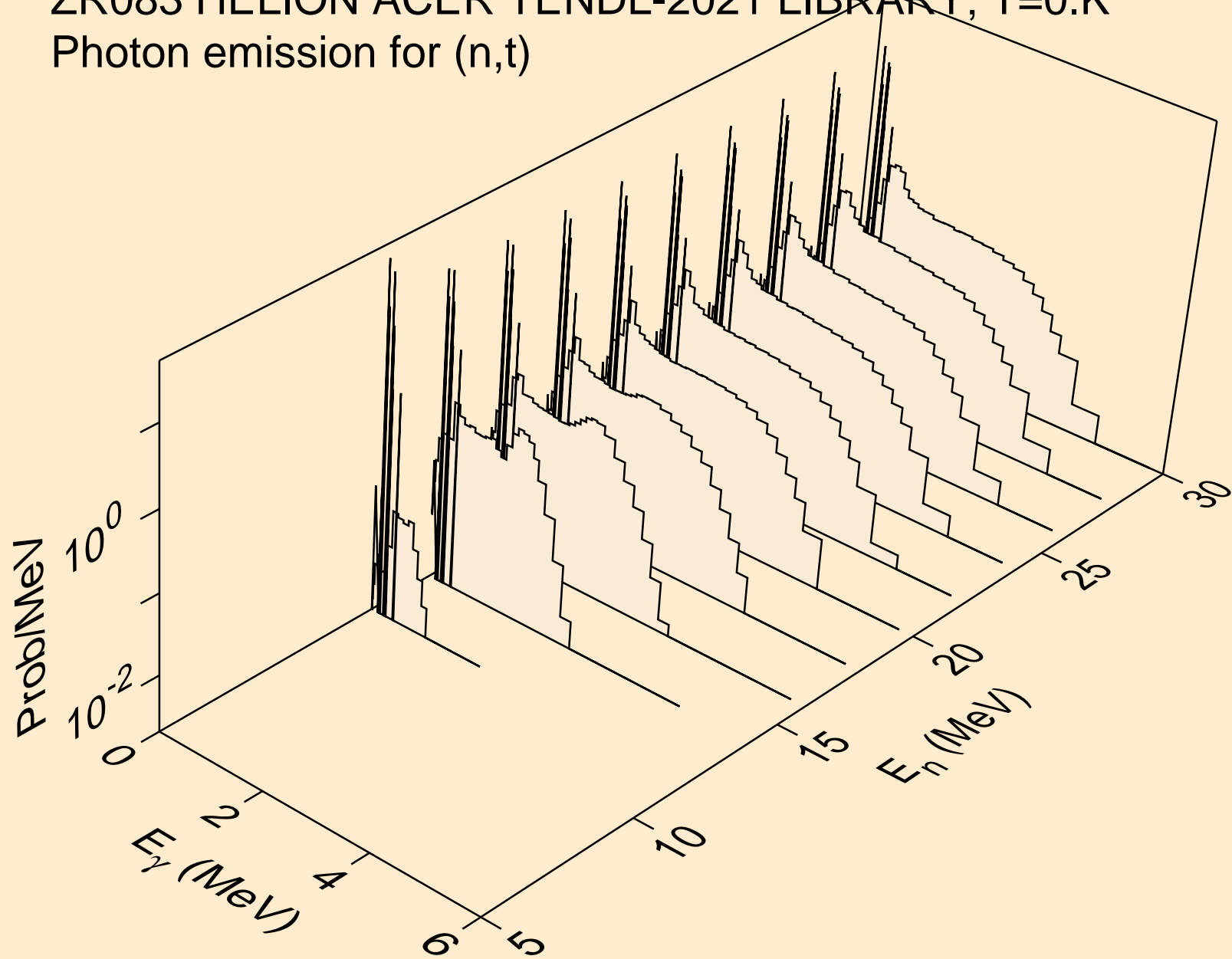


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Photon emission for (n,d)

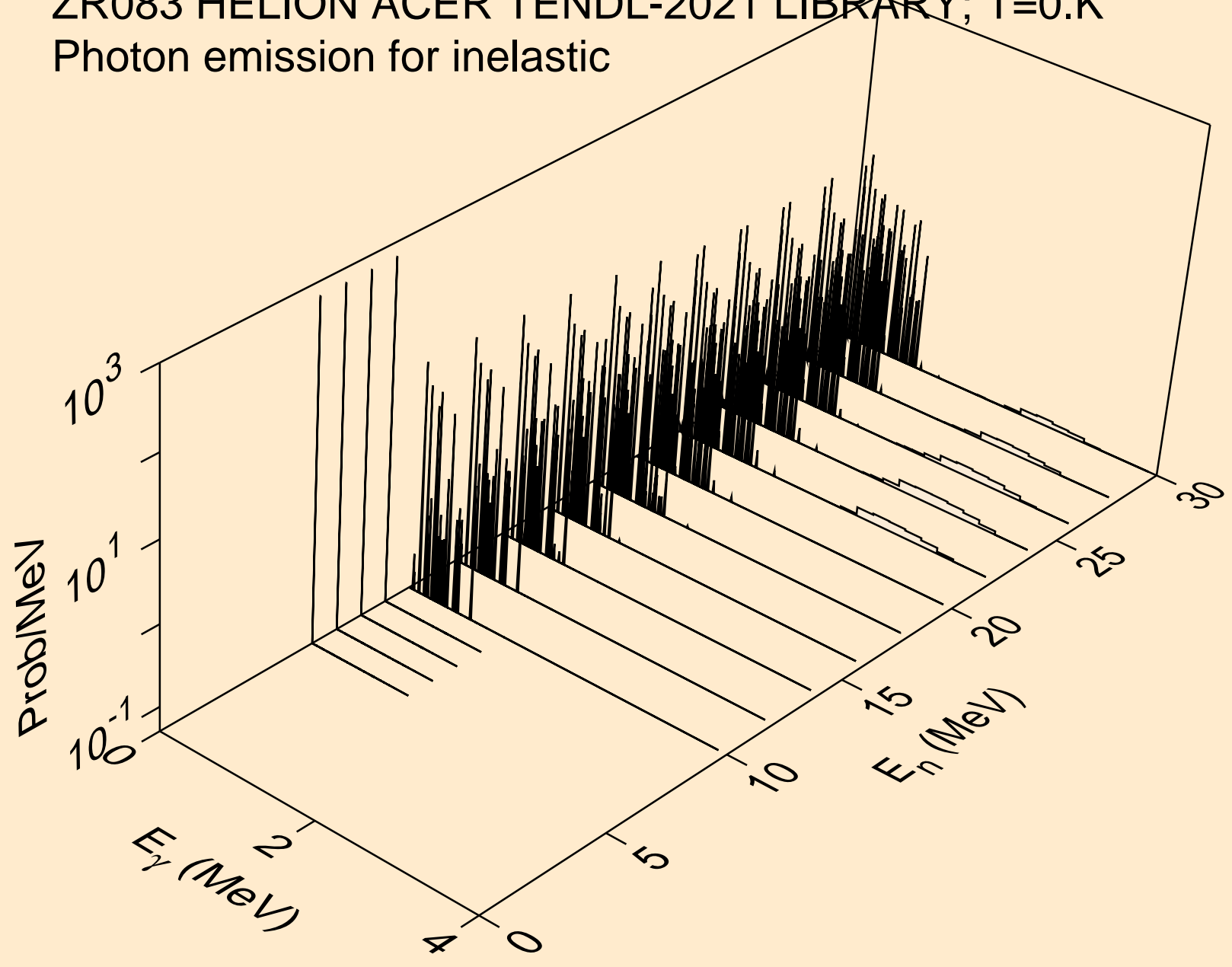




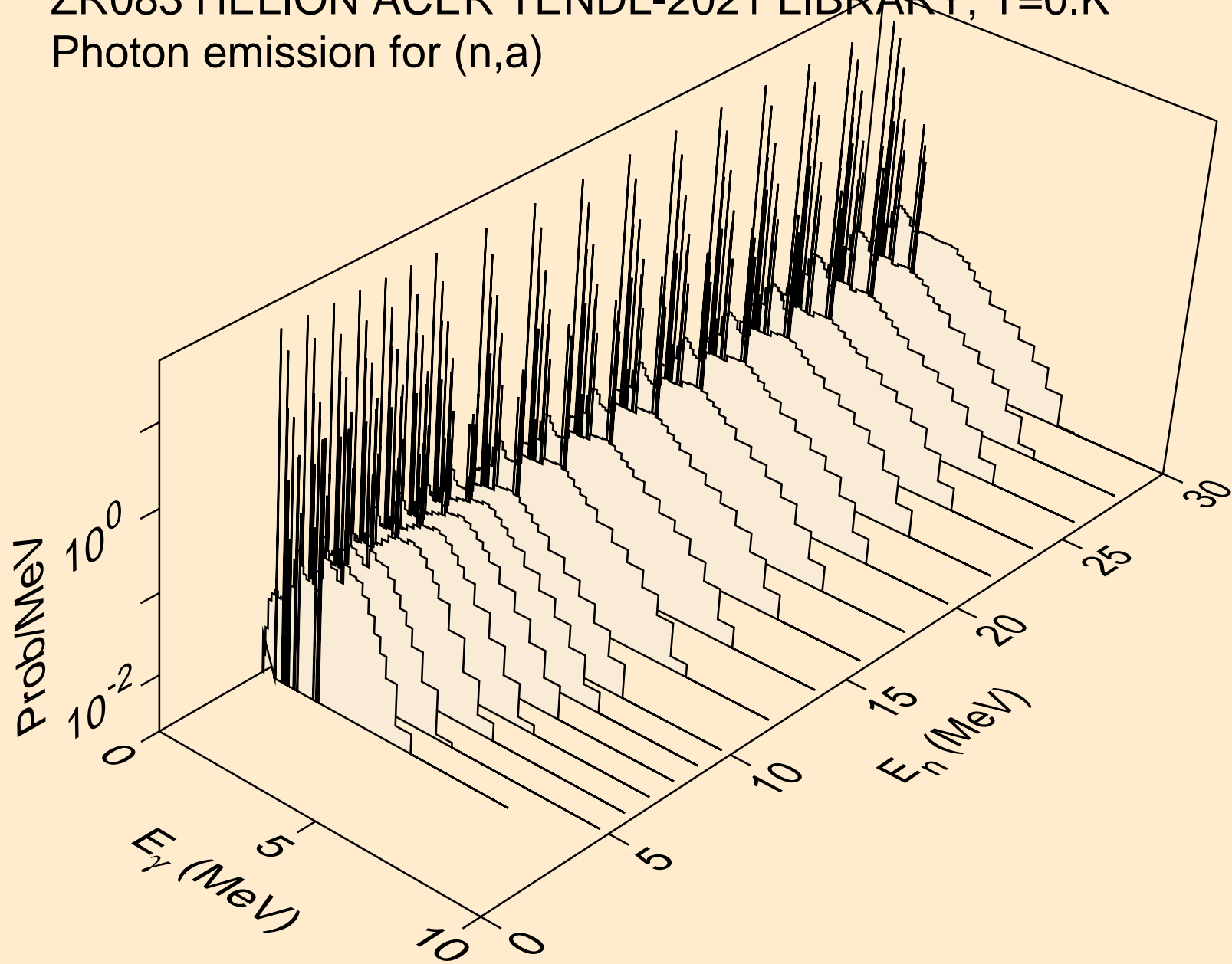
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Photon emission for (n,t)



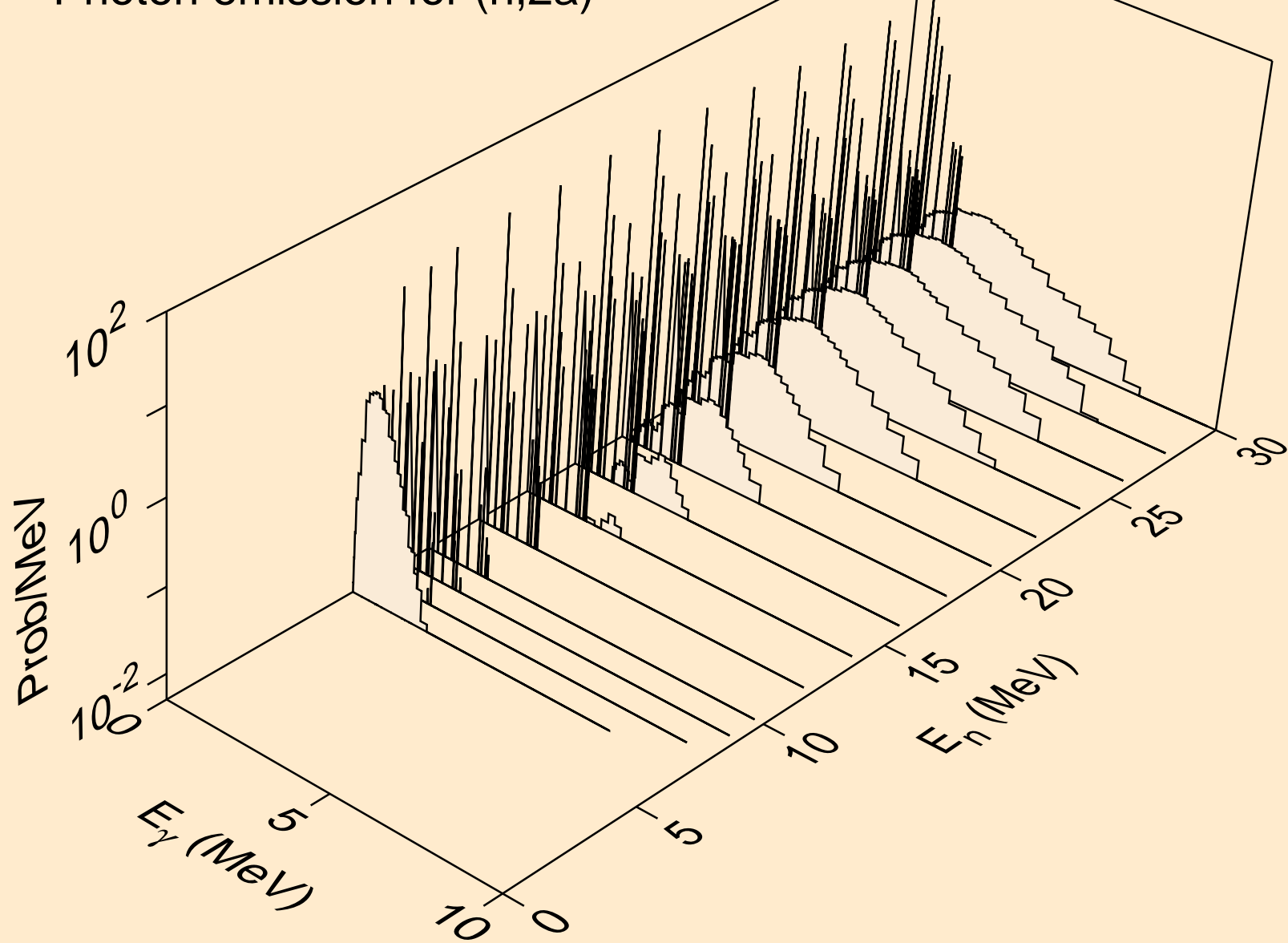
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Photon emission for inelastic



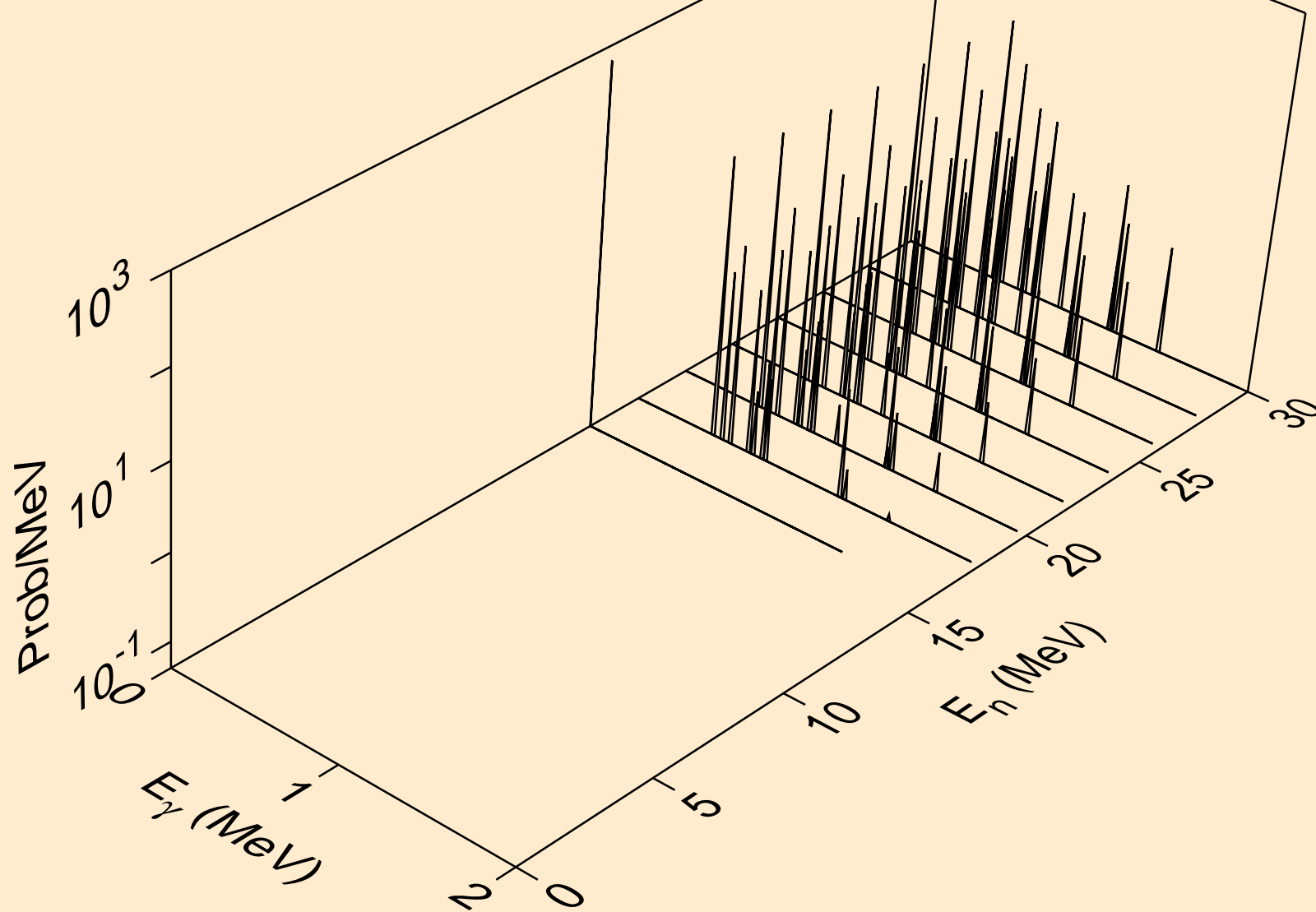
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Photon emission for (n,a)



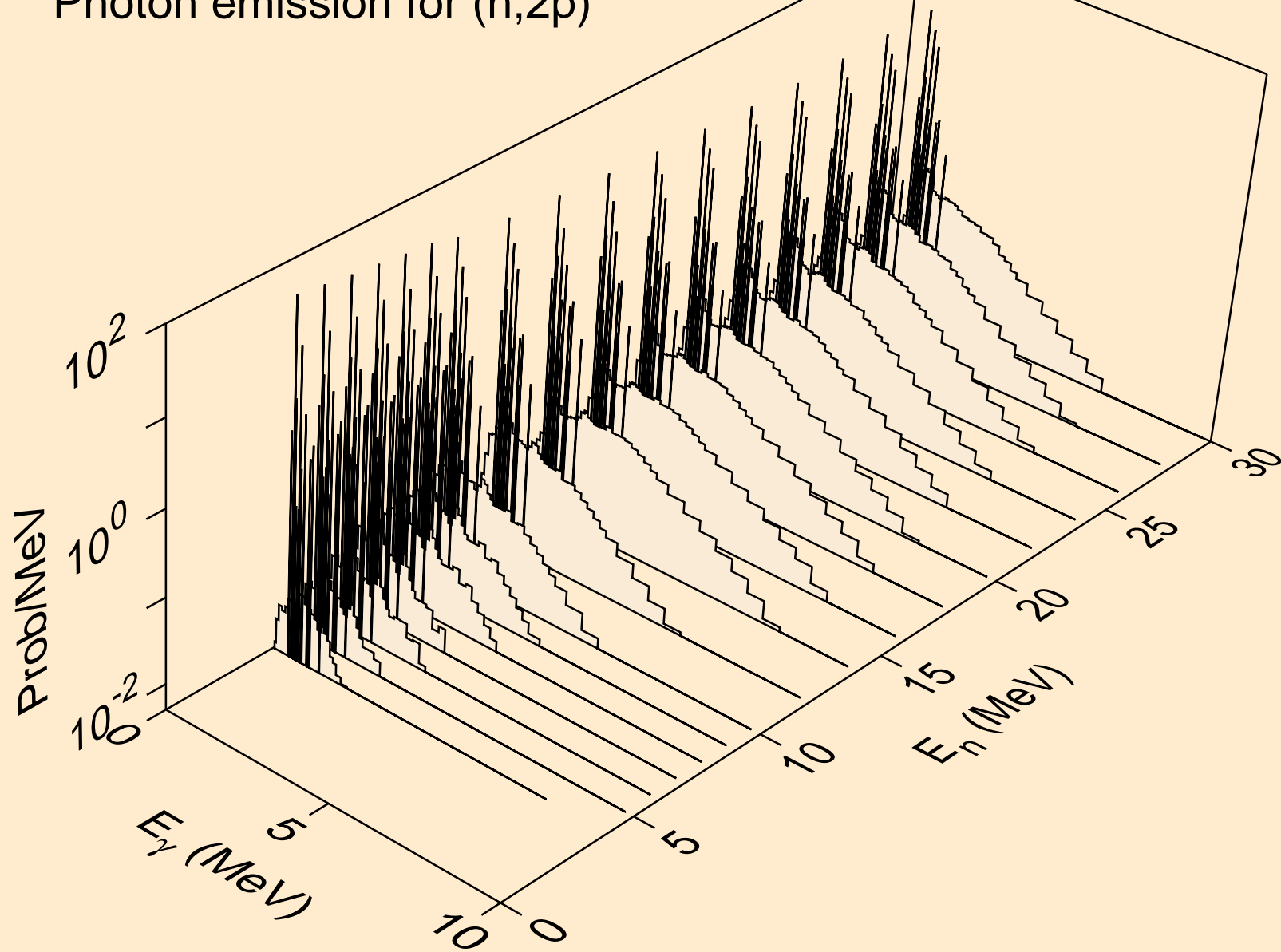
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Photon emission for (n,2a)



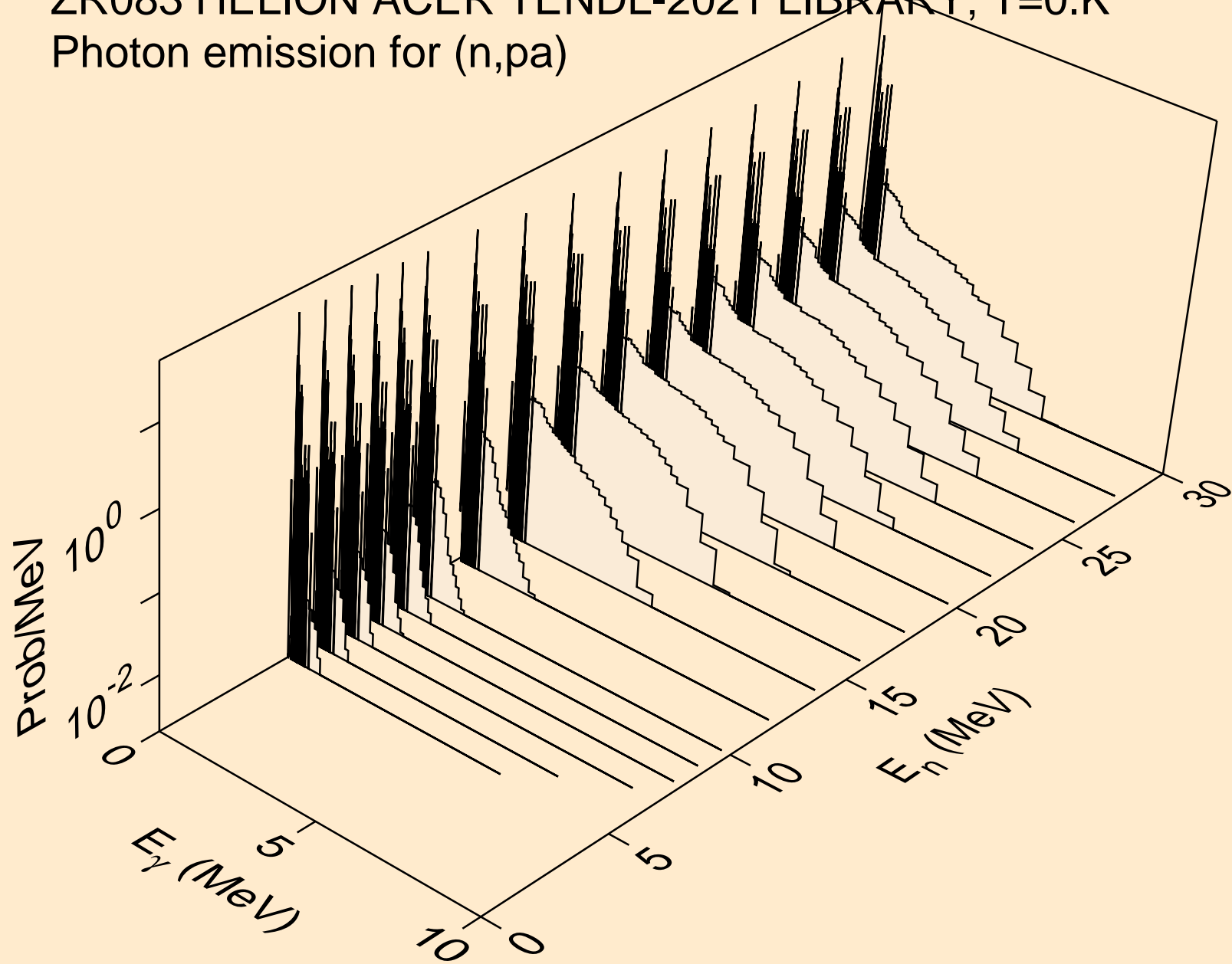
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Photon emission for (n,3a)



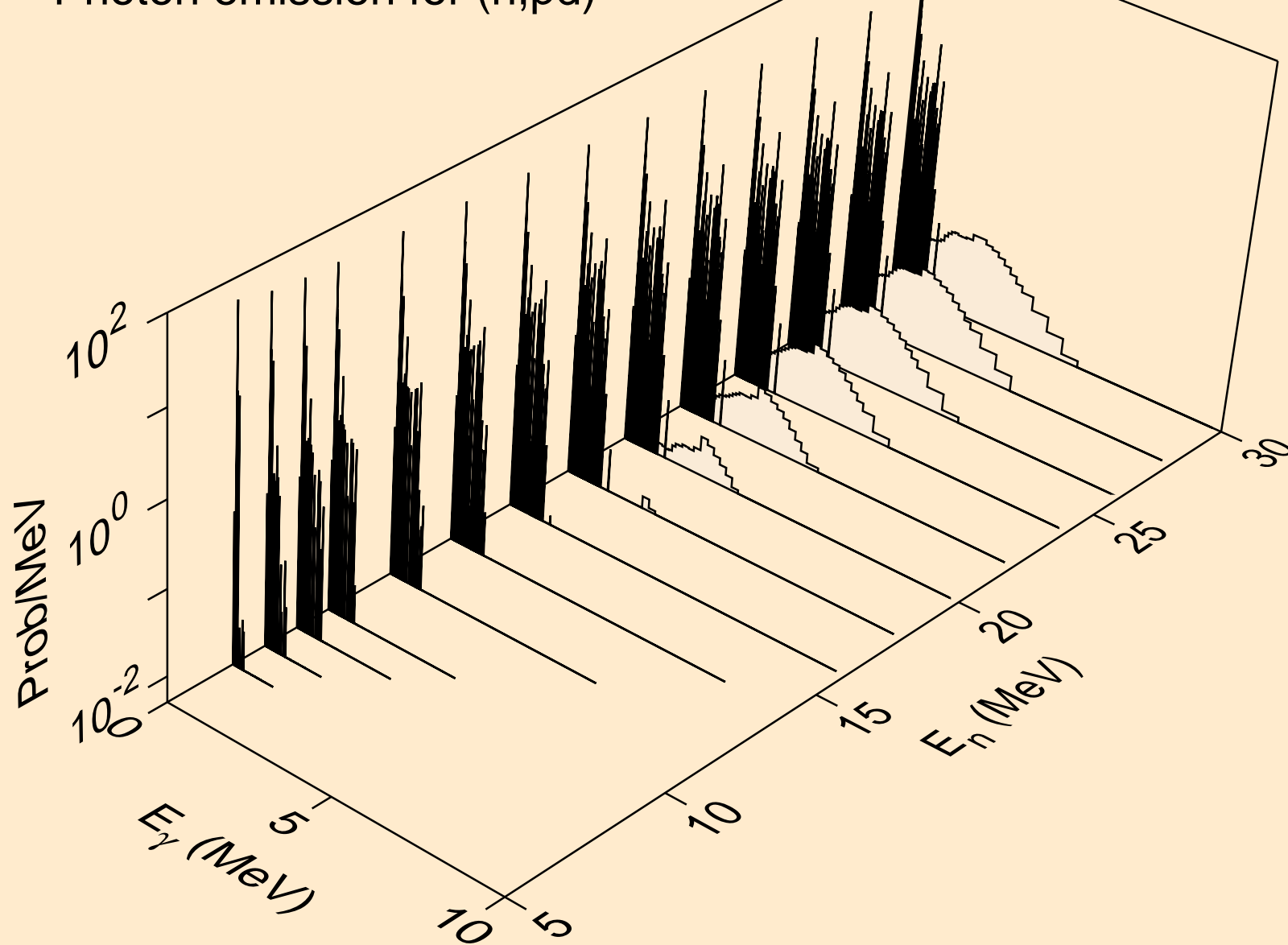
ZR083 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)



ZR083 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )

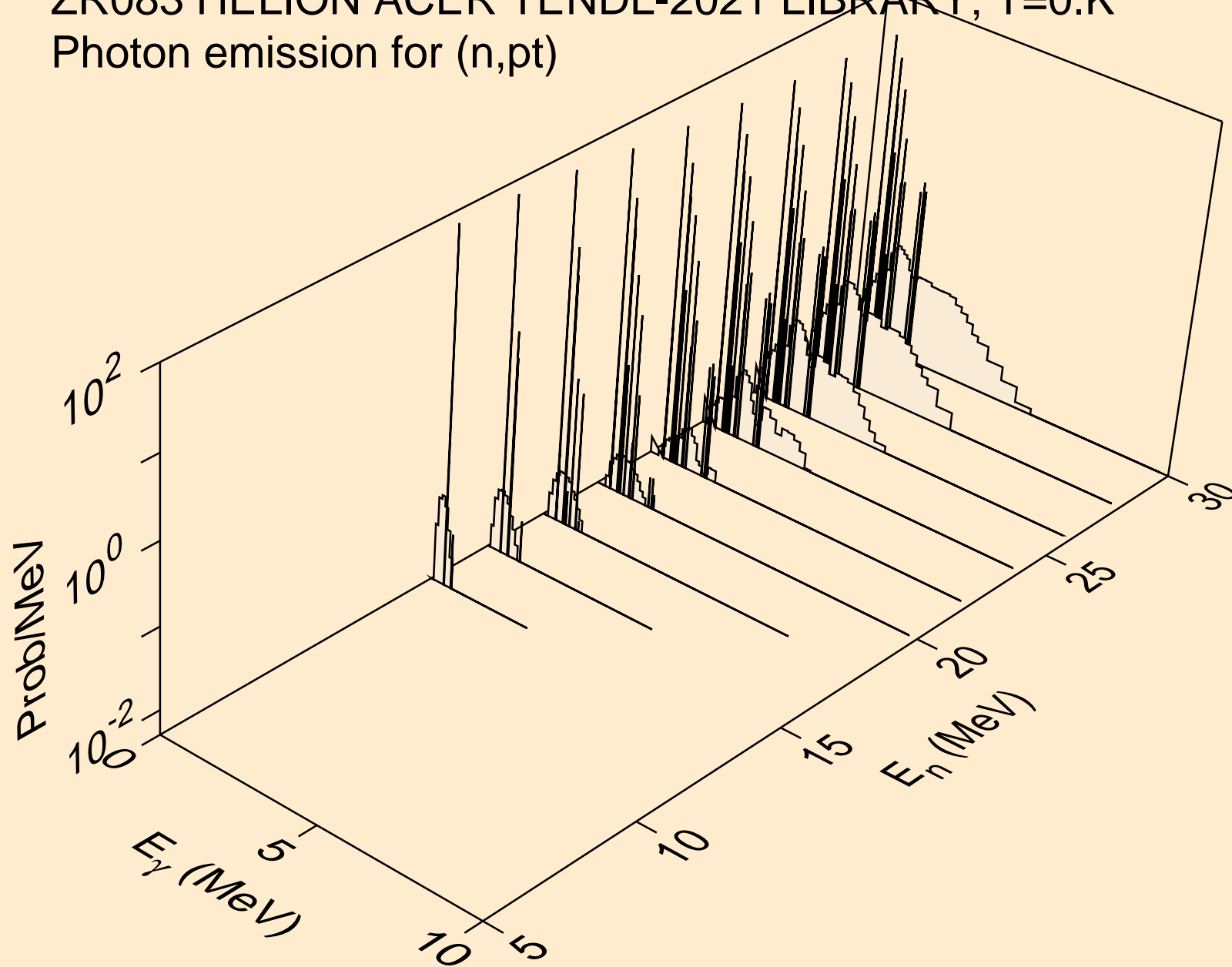


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Photon emission for (n,pd)

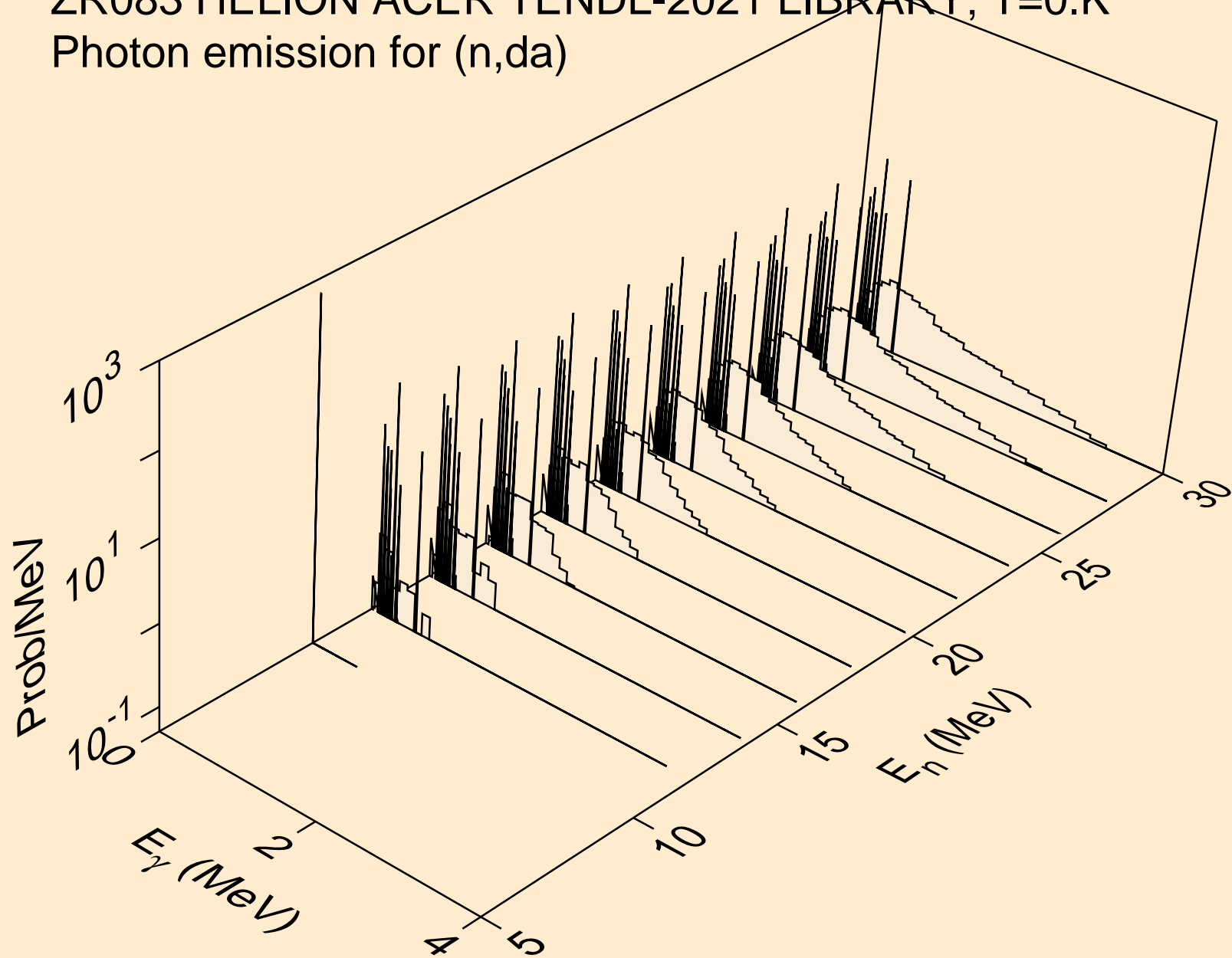




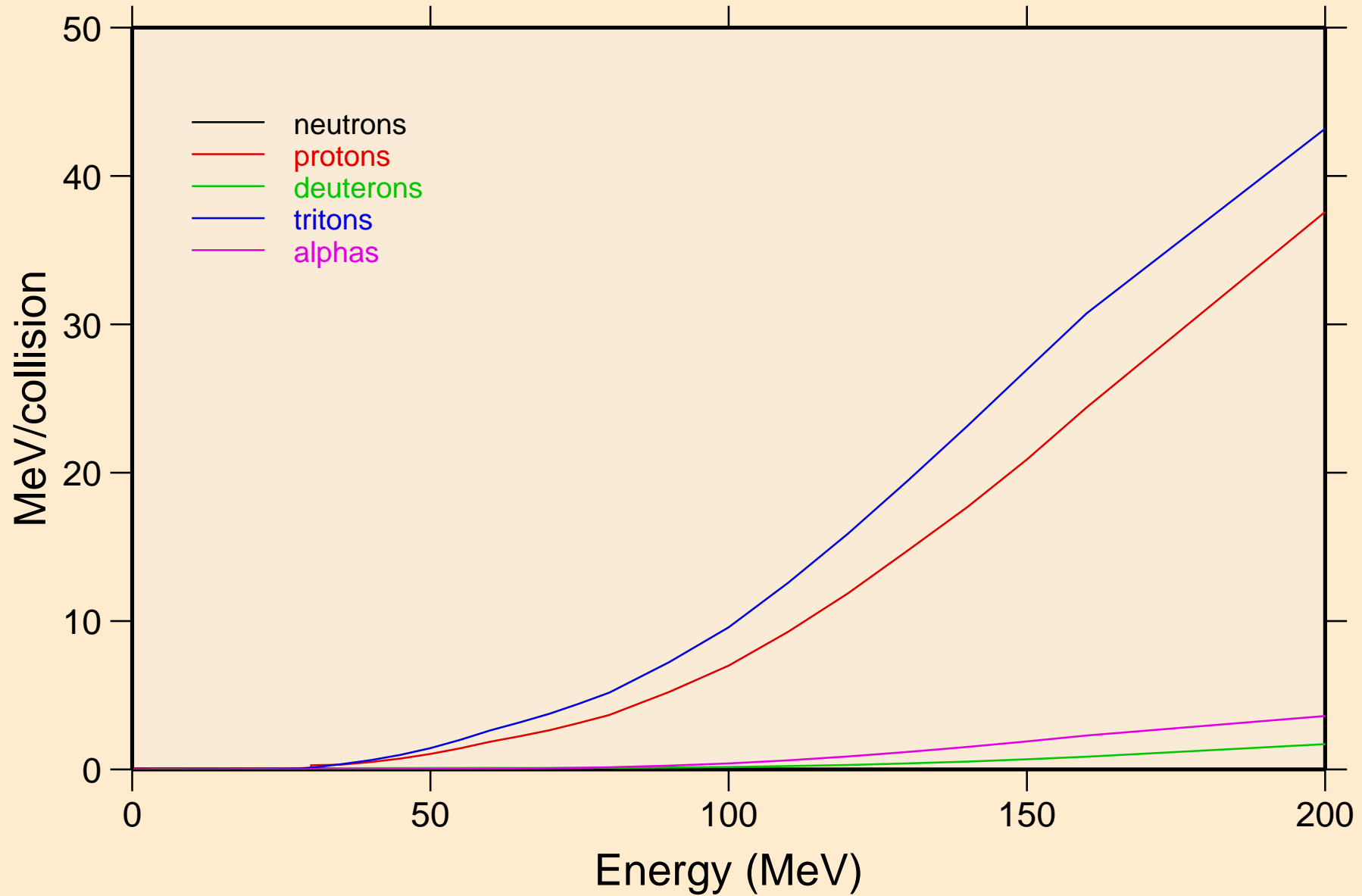
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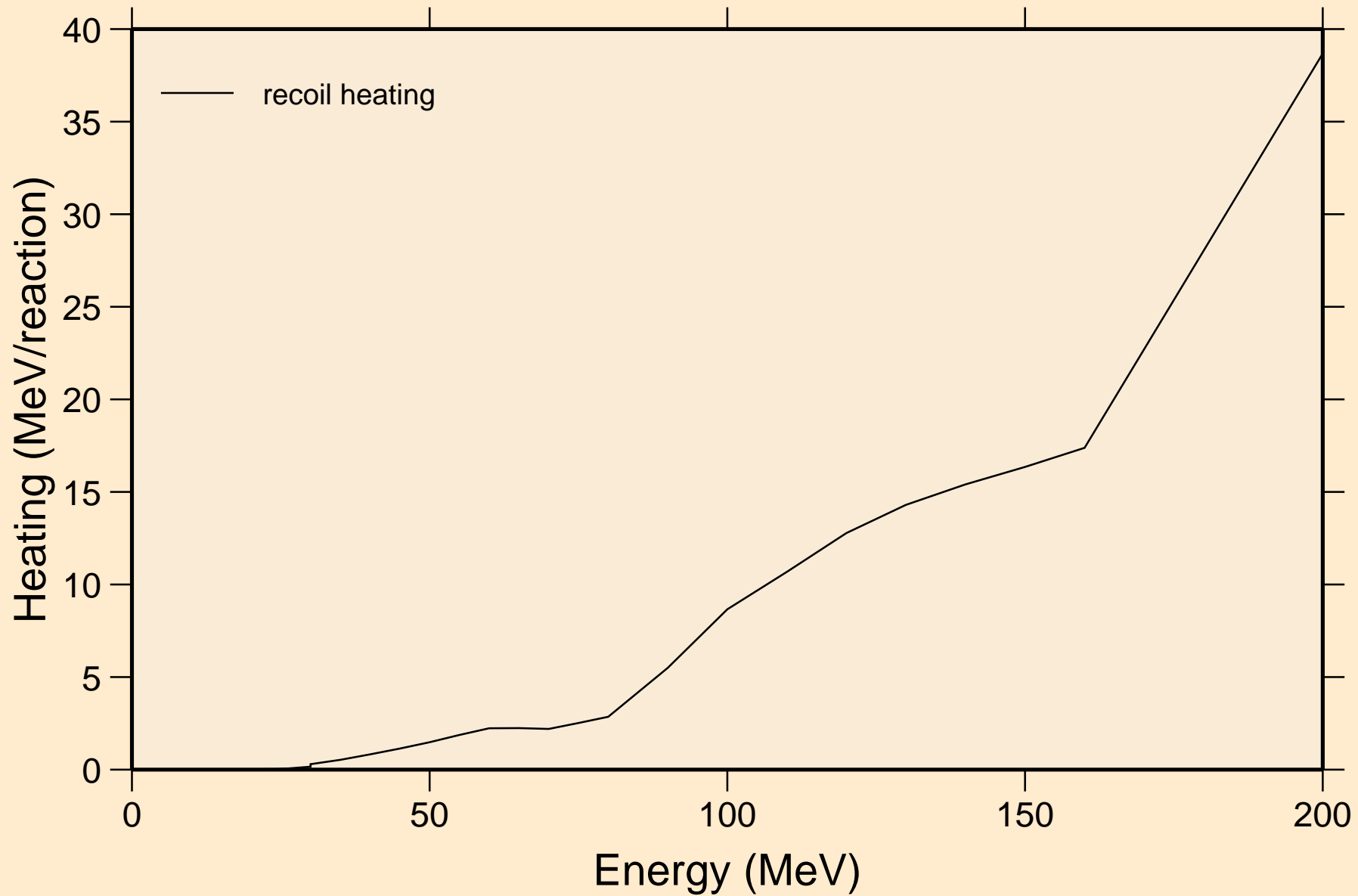
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Photon emission for (n,da)



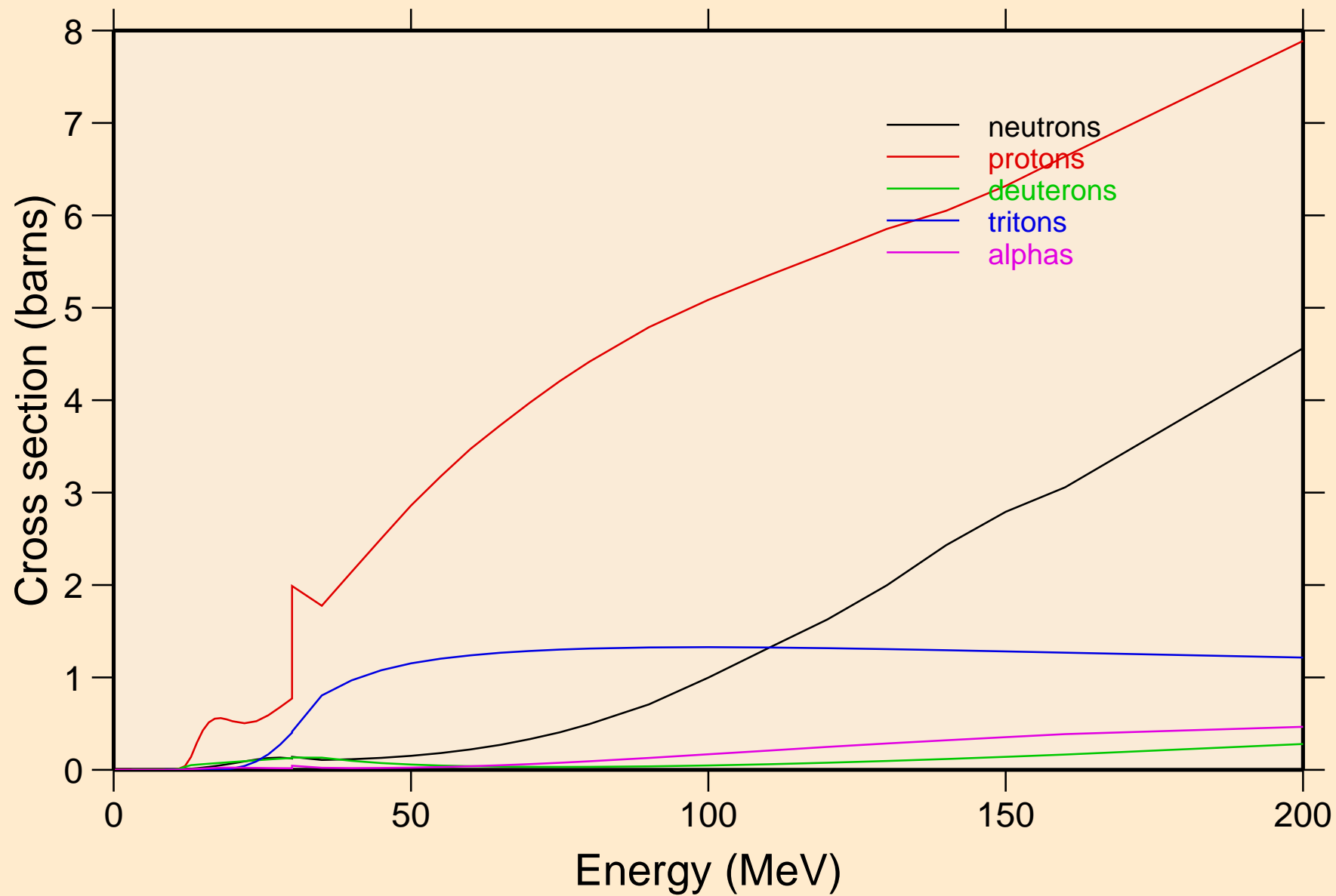
ZR083 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Particle heating contributions



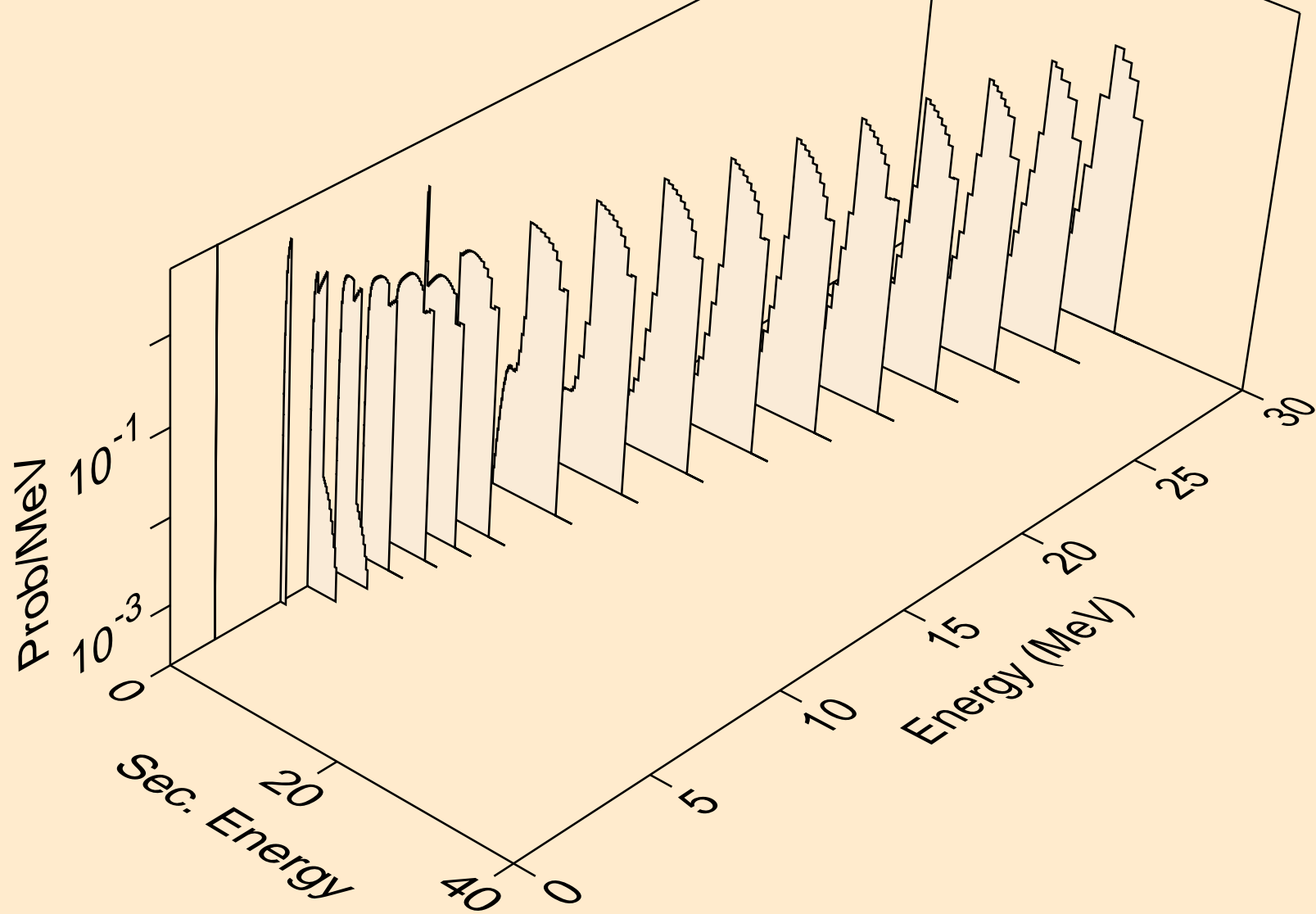
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Recoil Heating



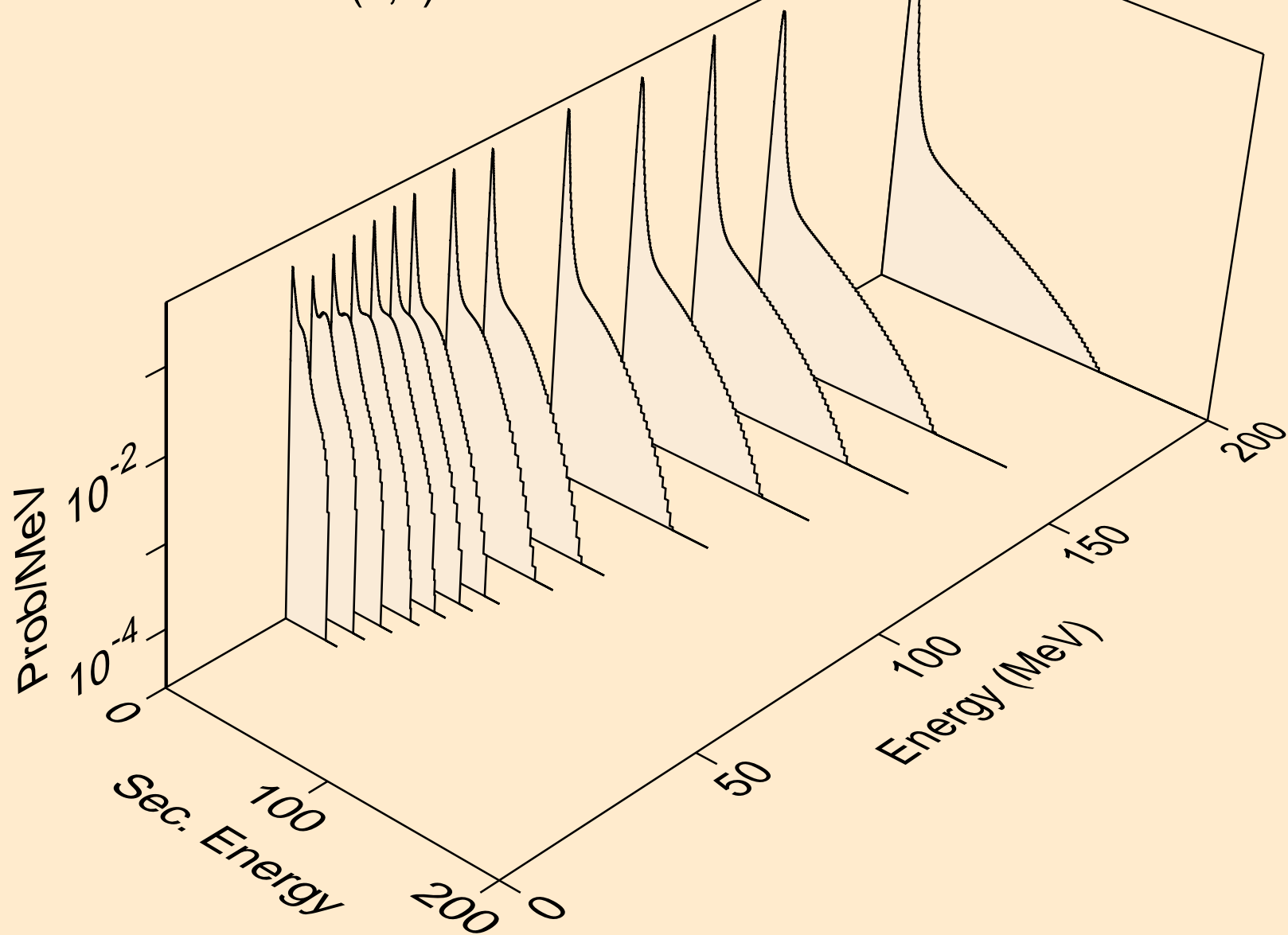
ZR083 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections



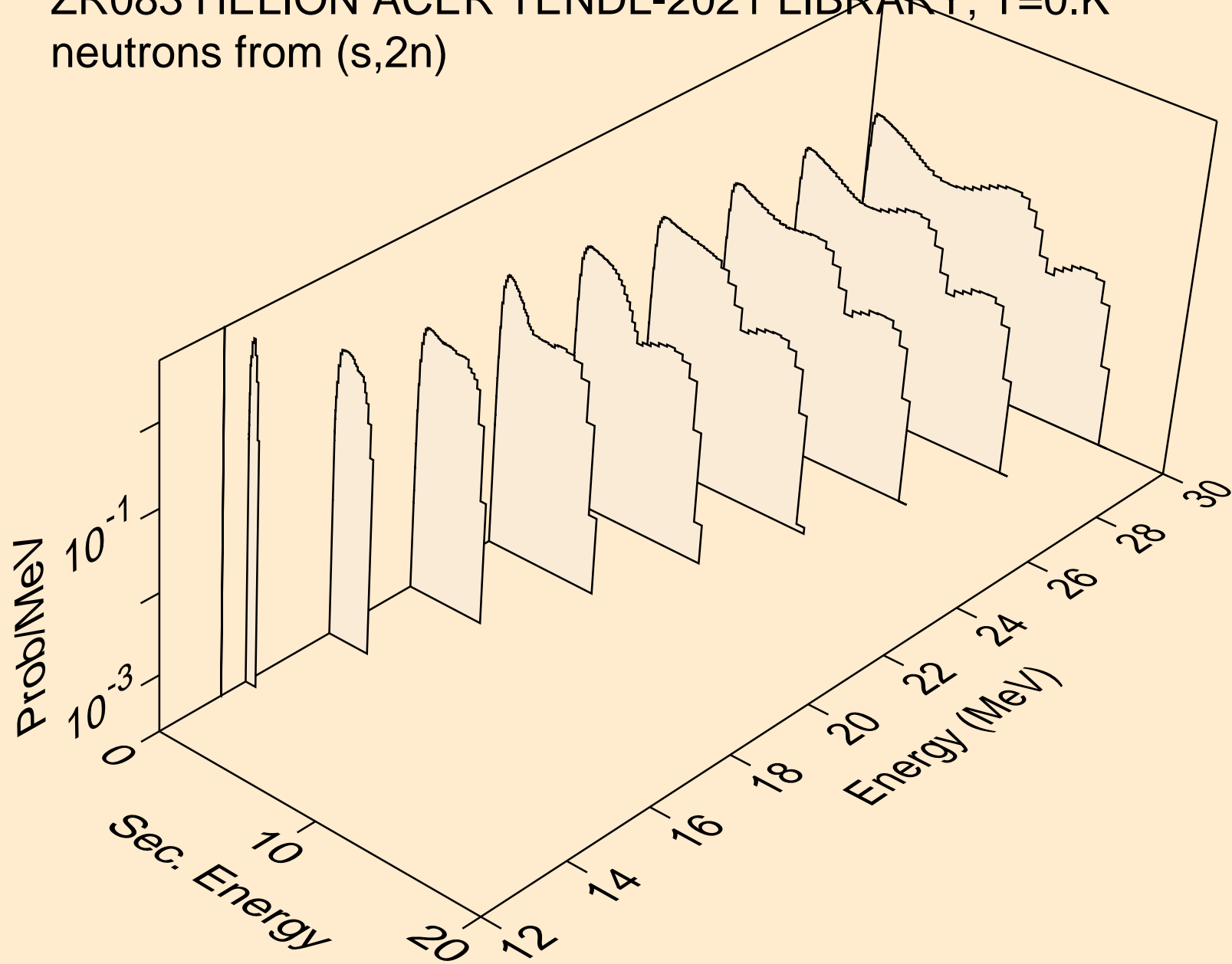
ZR083 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n)



ZR083 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,x)

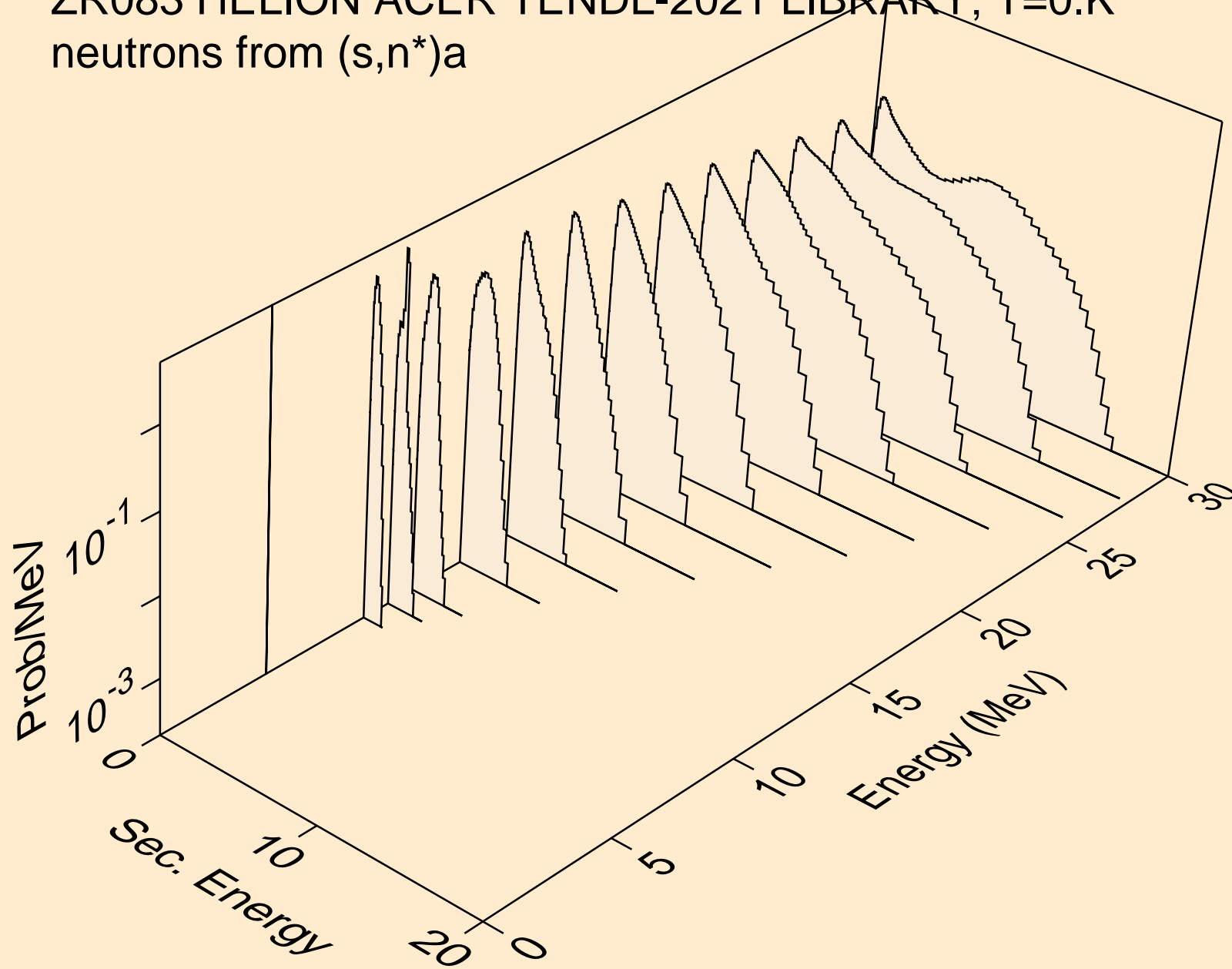


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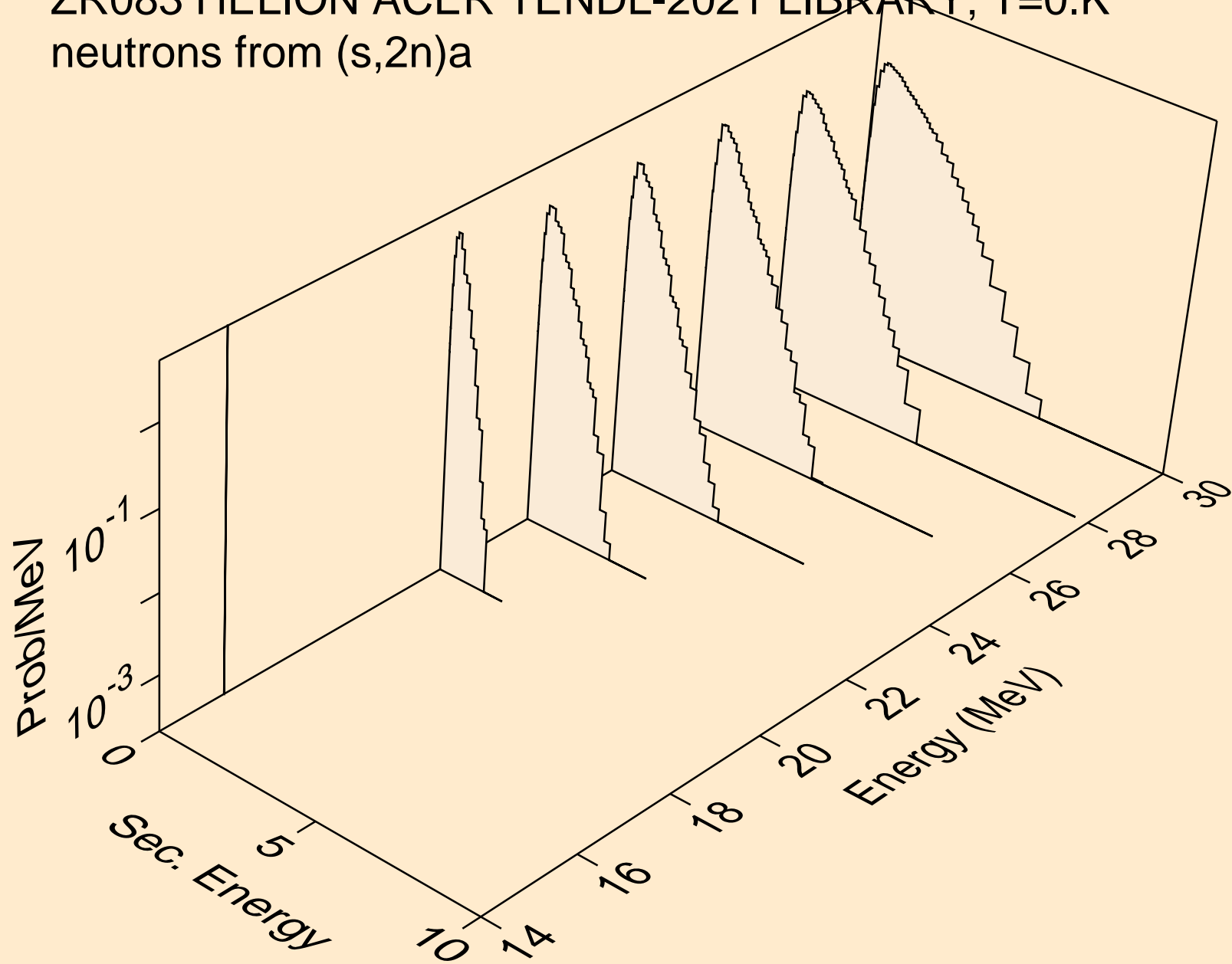




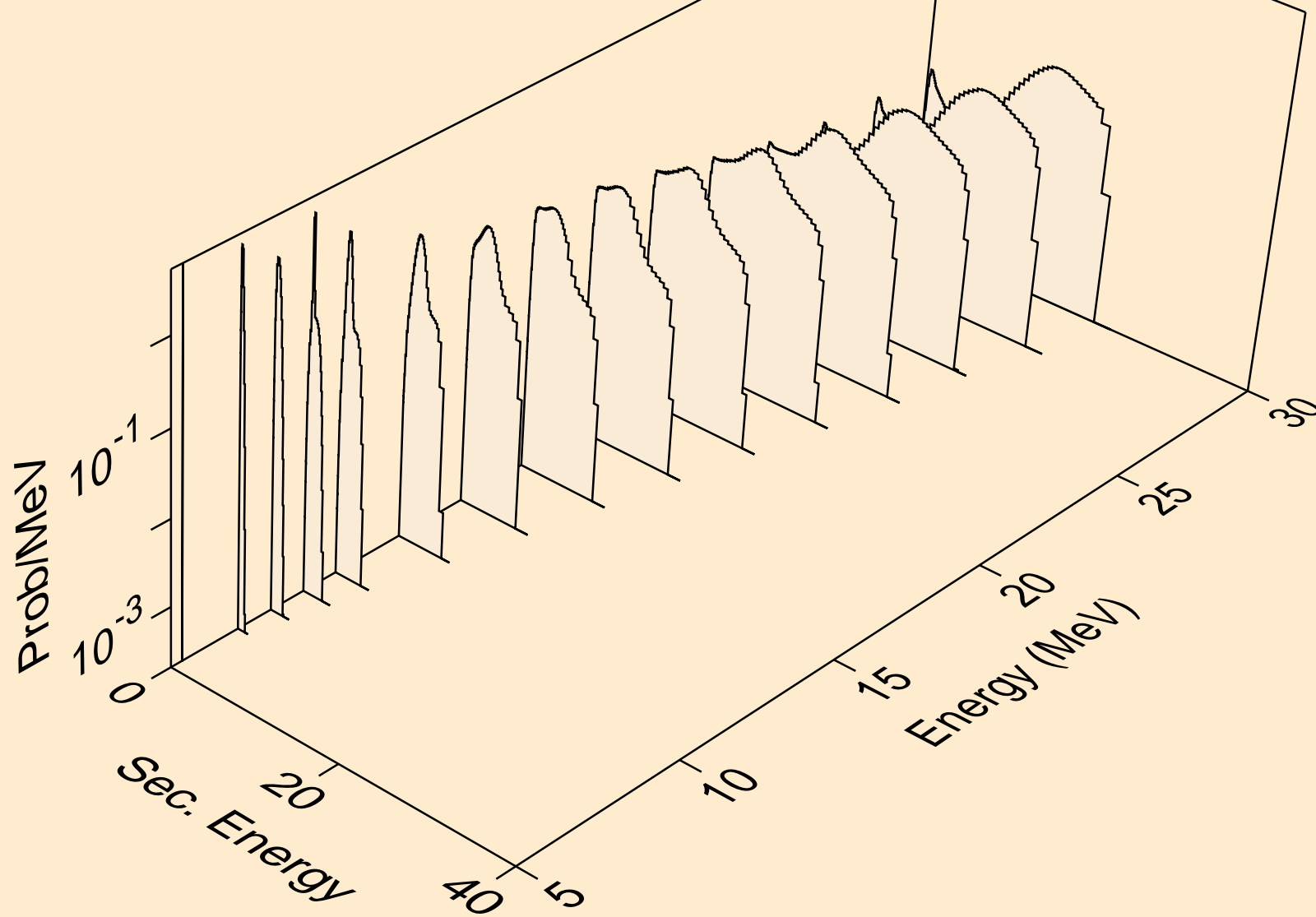
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neutrons from (s,n\*)a



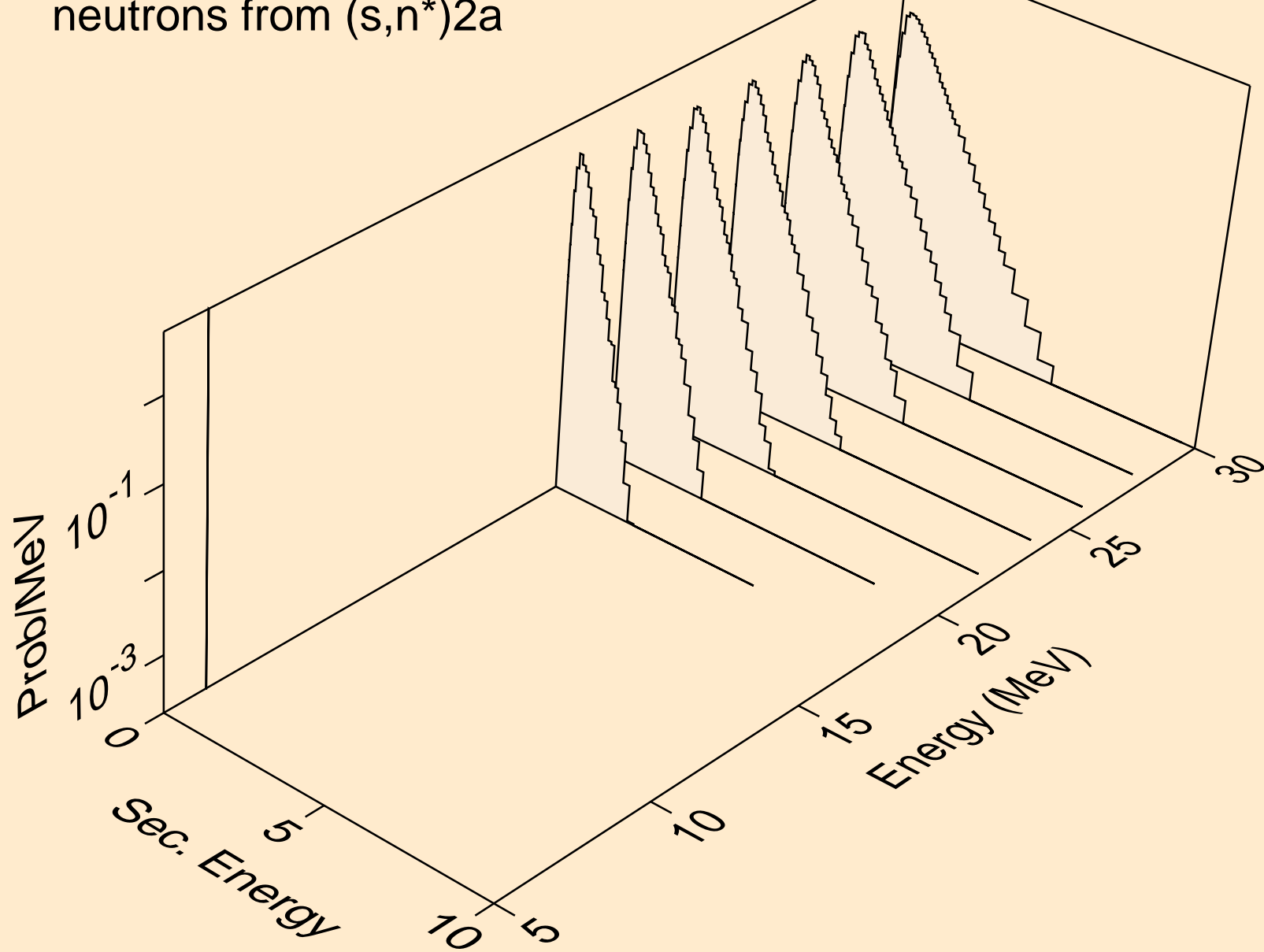
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neutrons from (s,2n)a



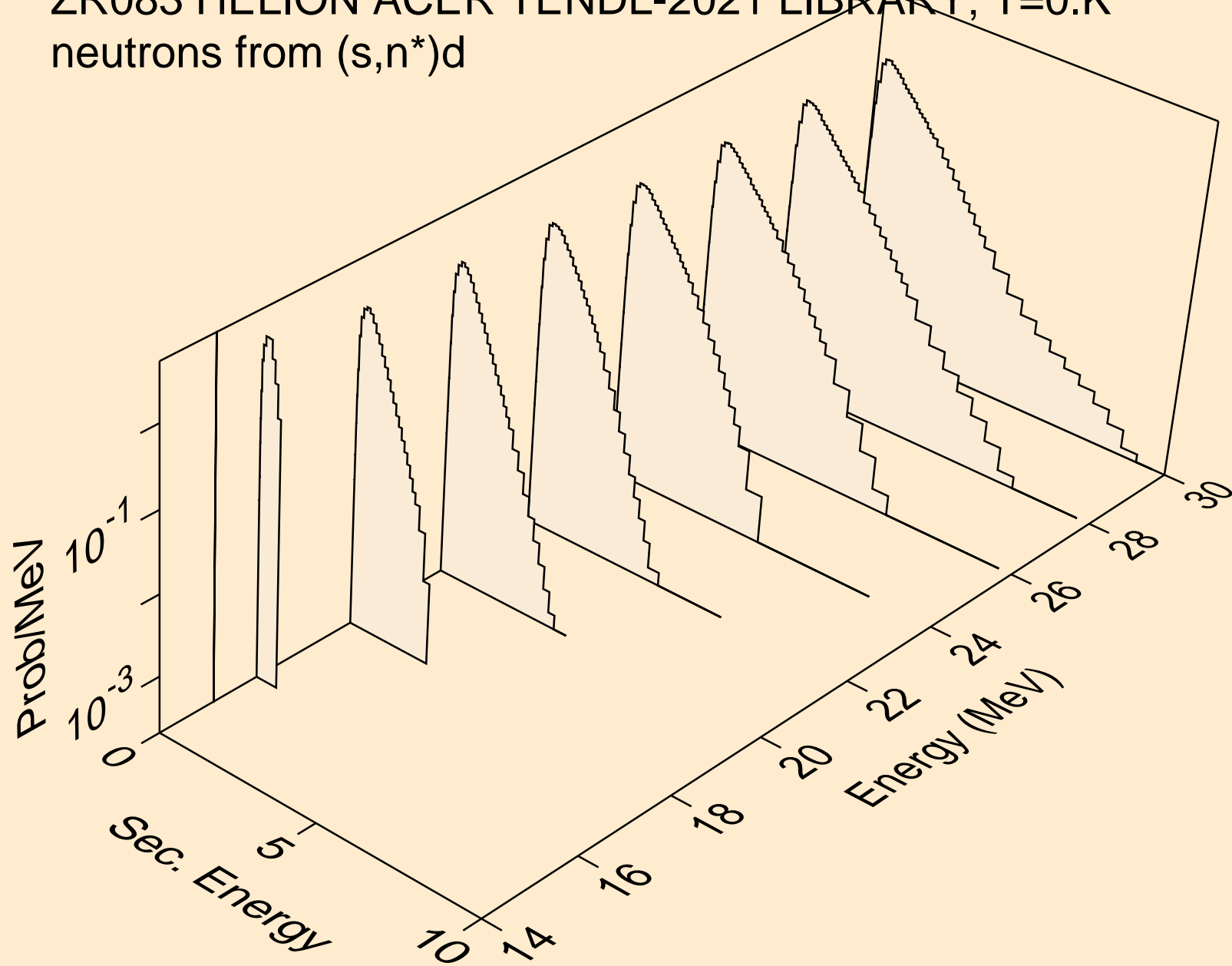
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neutrons from (s,n\*)p



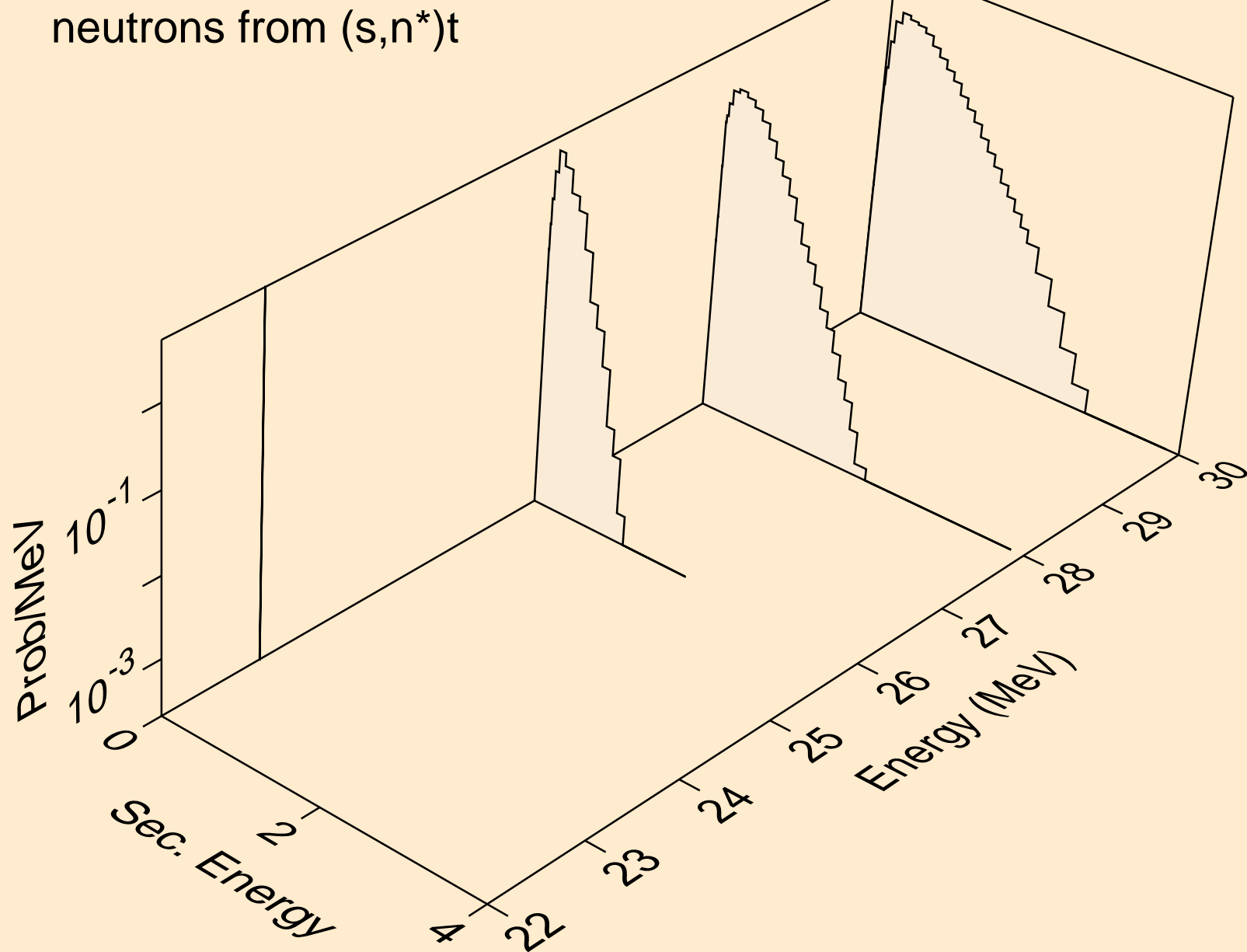
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neutrons from (s,n\*)2a



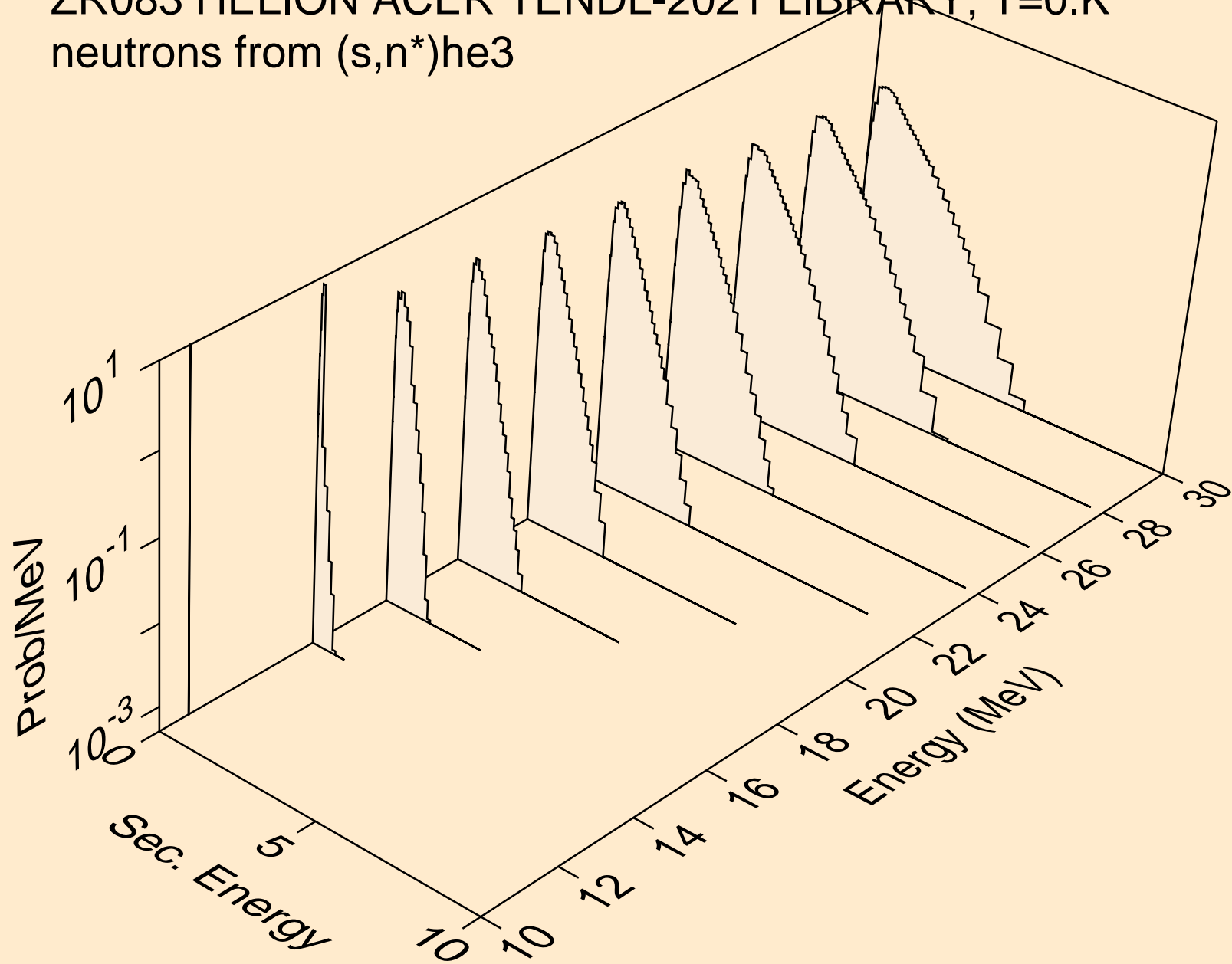
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neutrons from (s,n\*)d



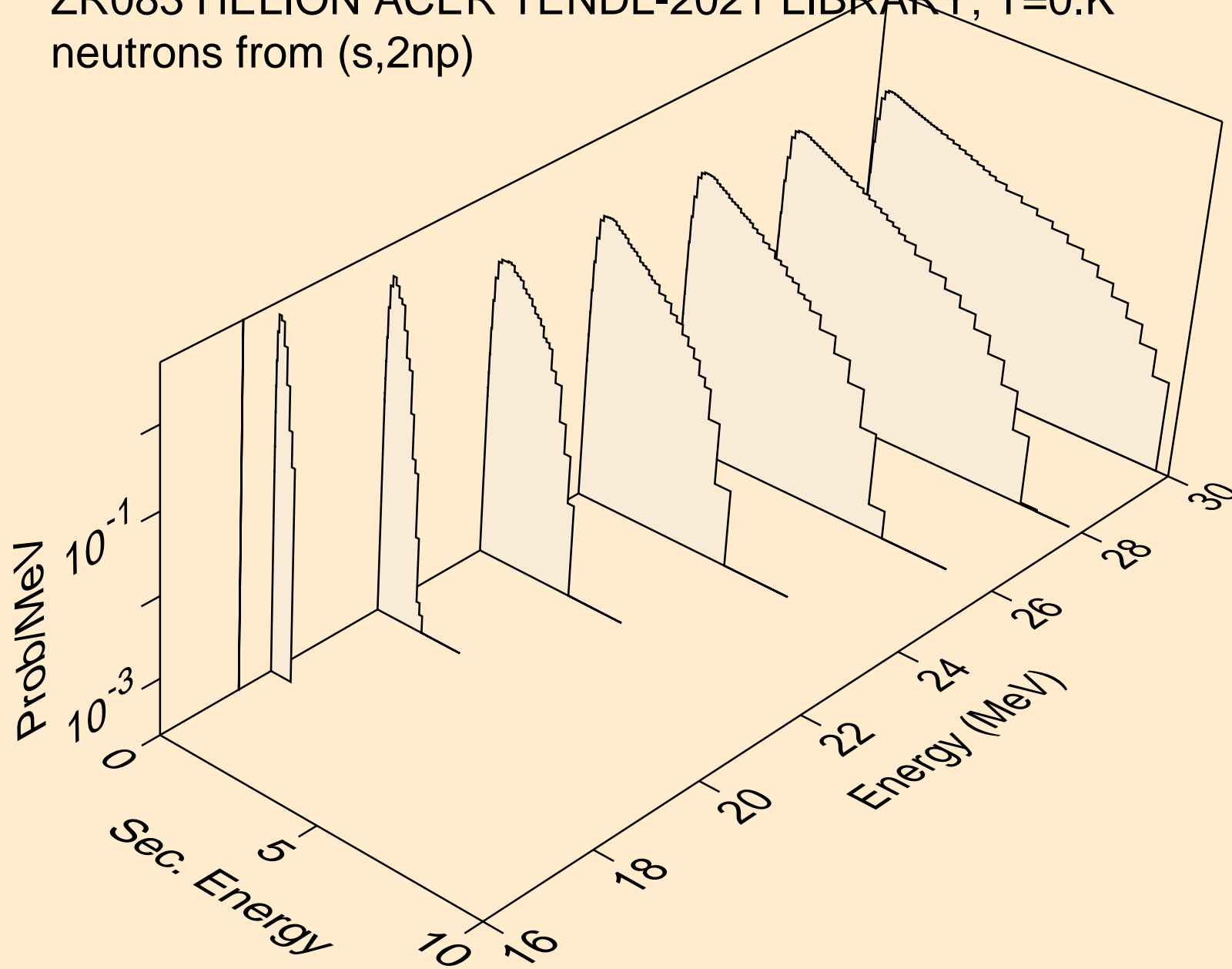
ZR083 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)t



ZR083 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

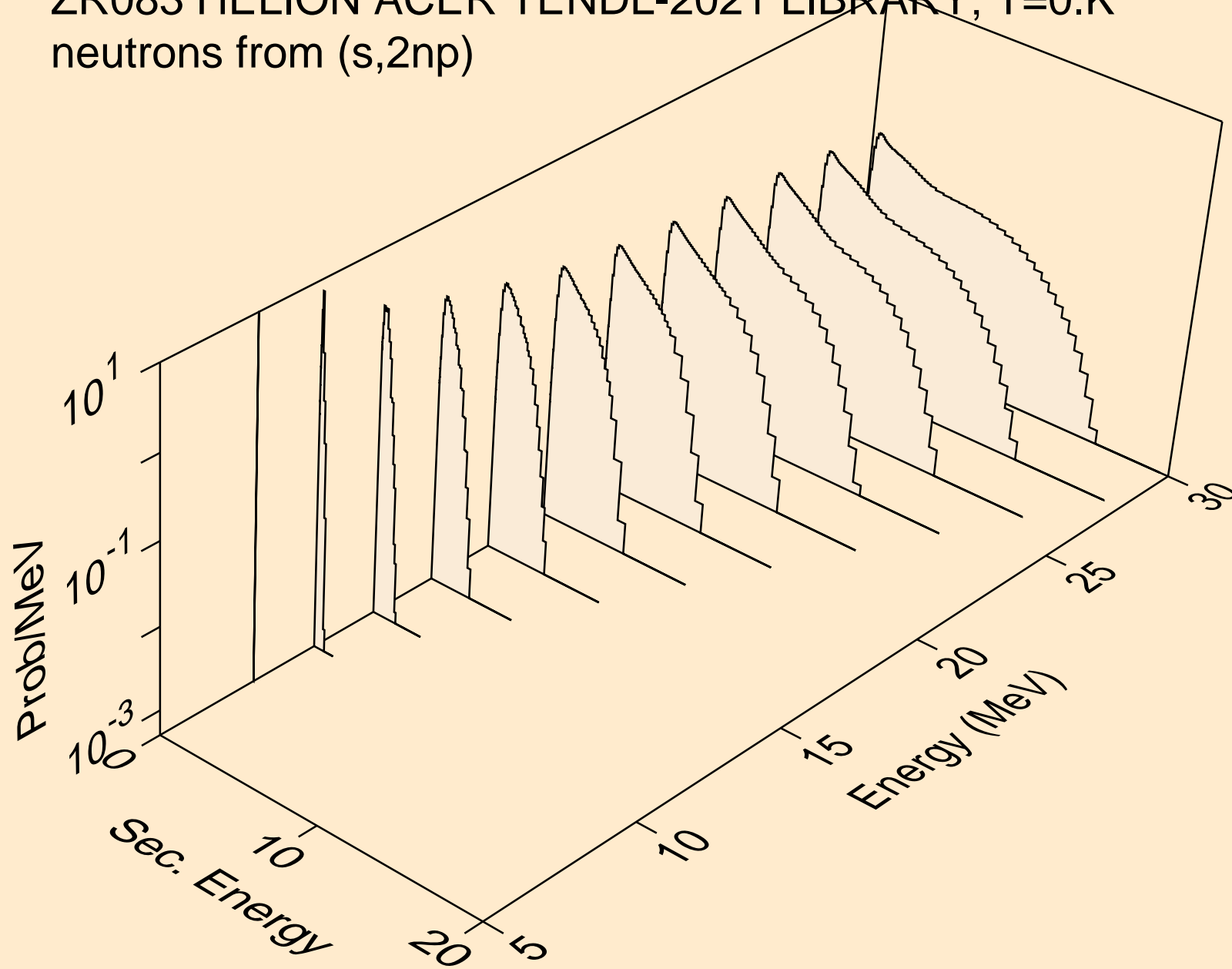


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neutrons from (s,2np)

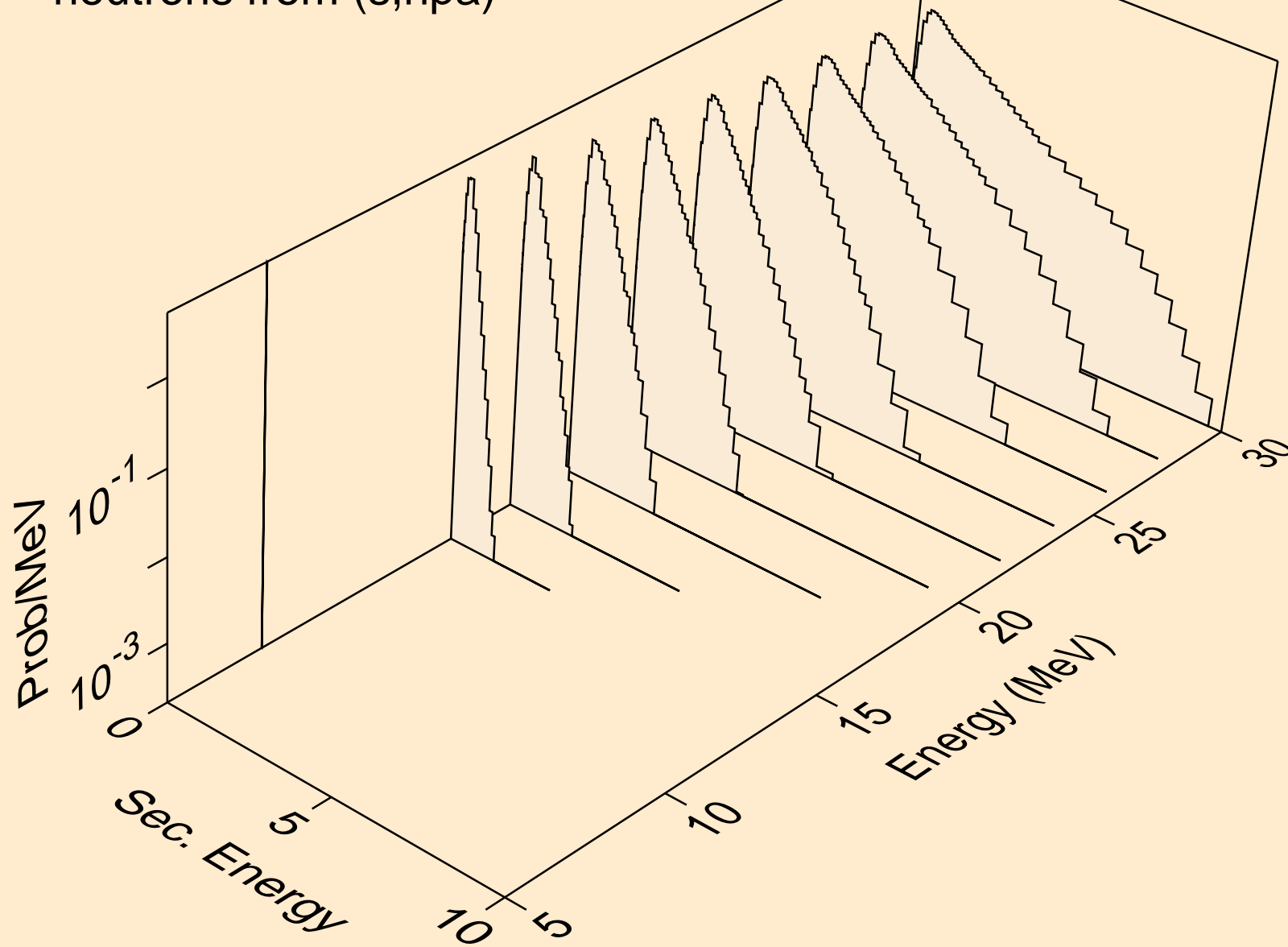




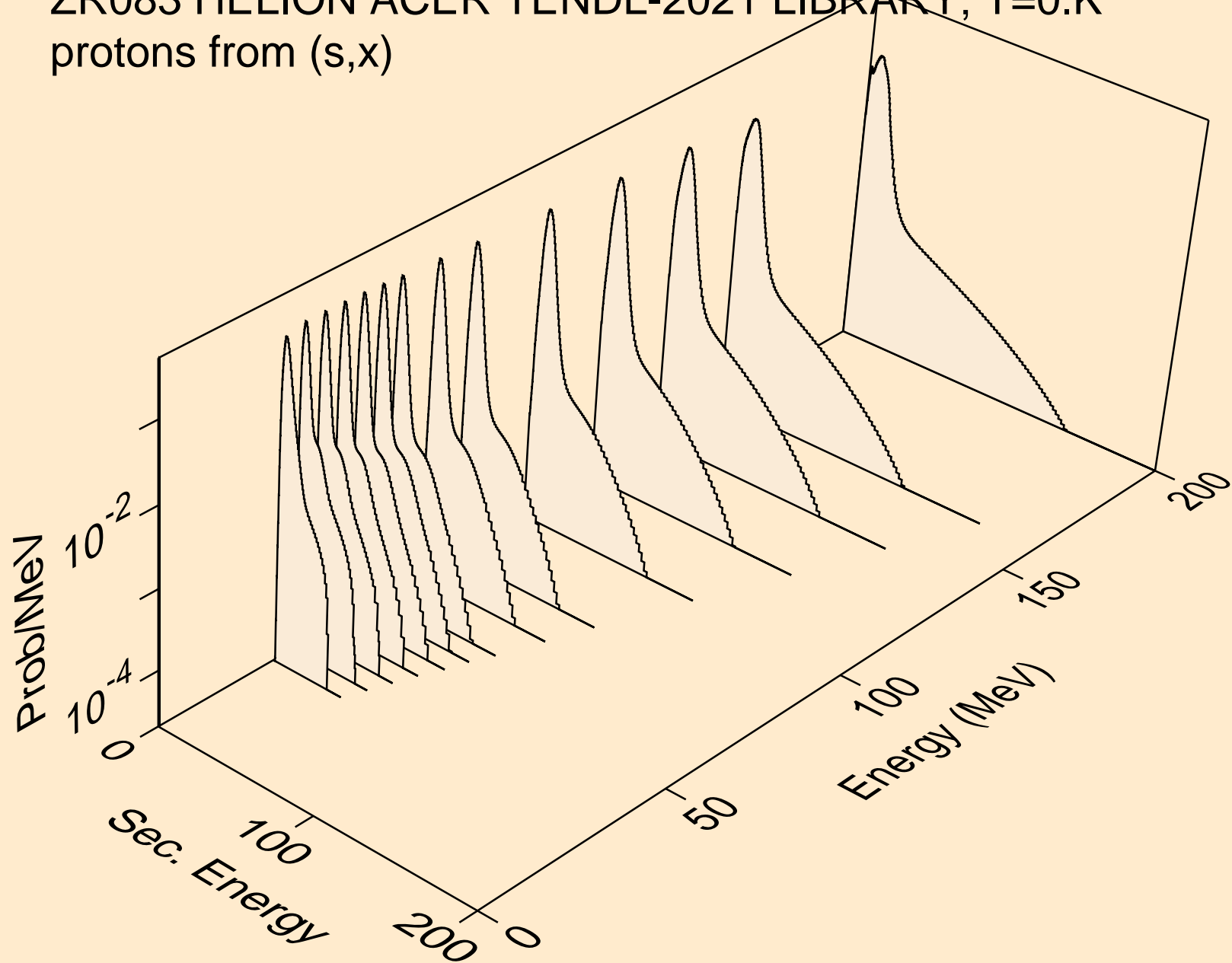
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neutrons from (s,2np)



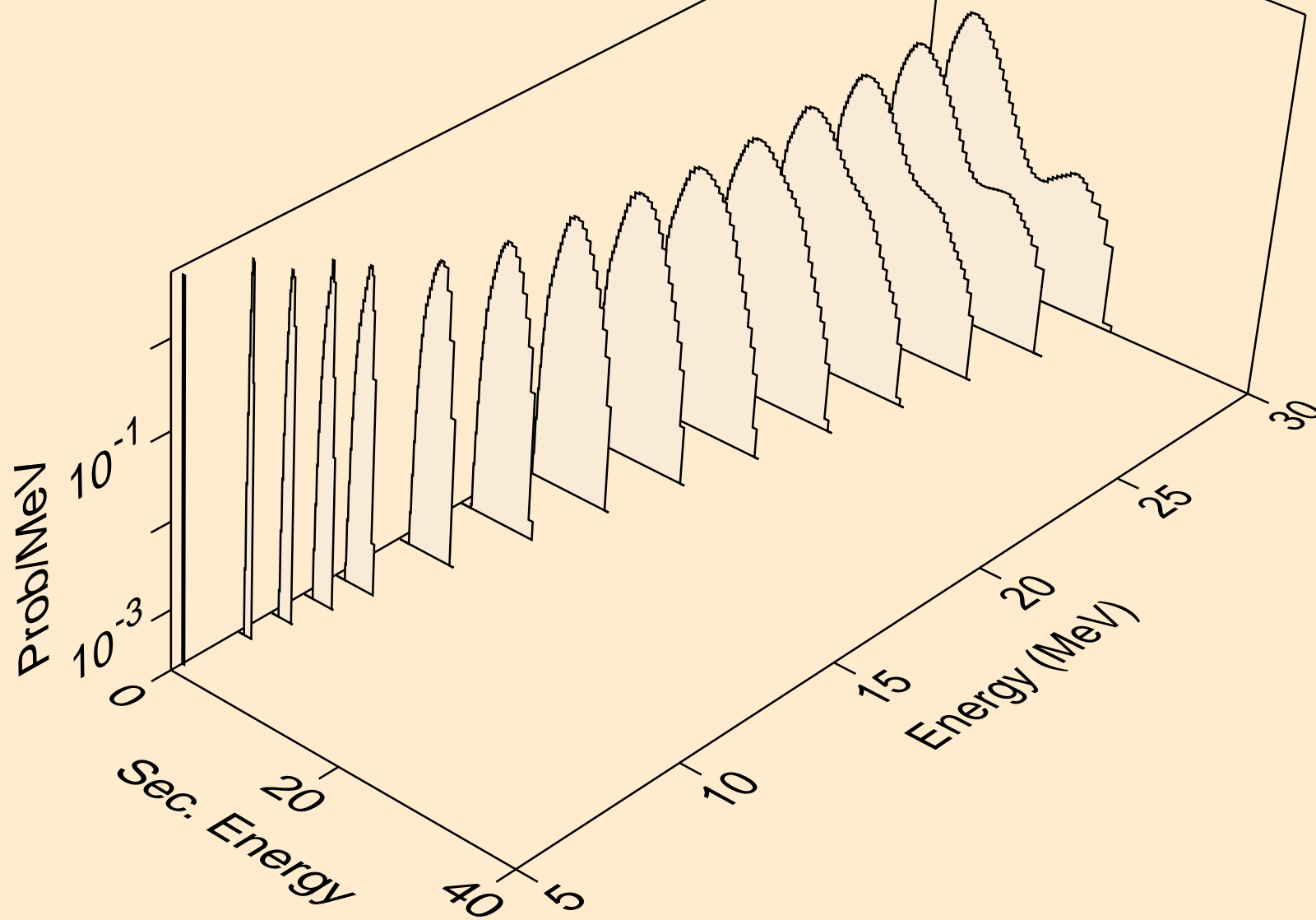
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neutrons from (s,npa)



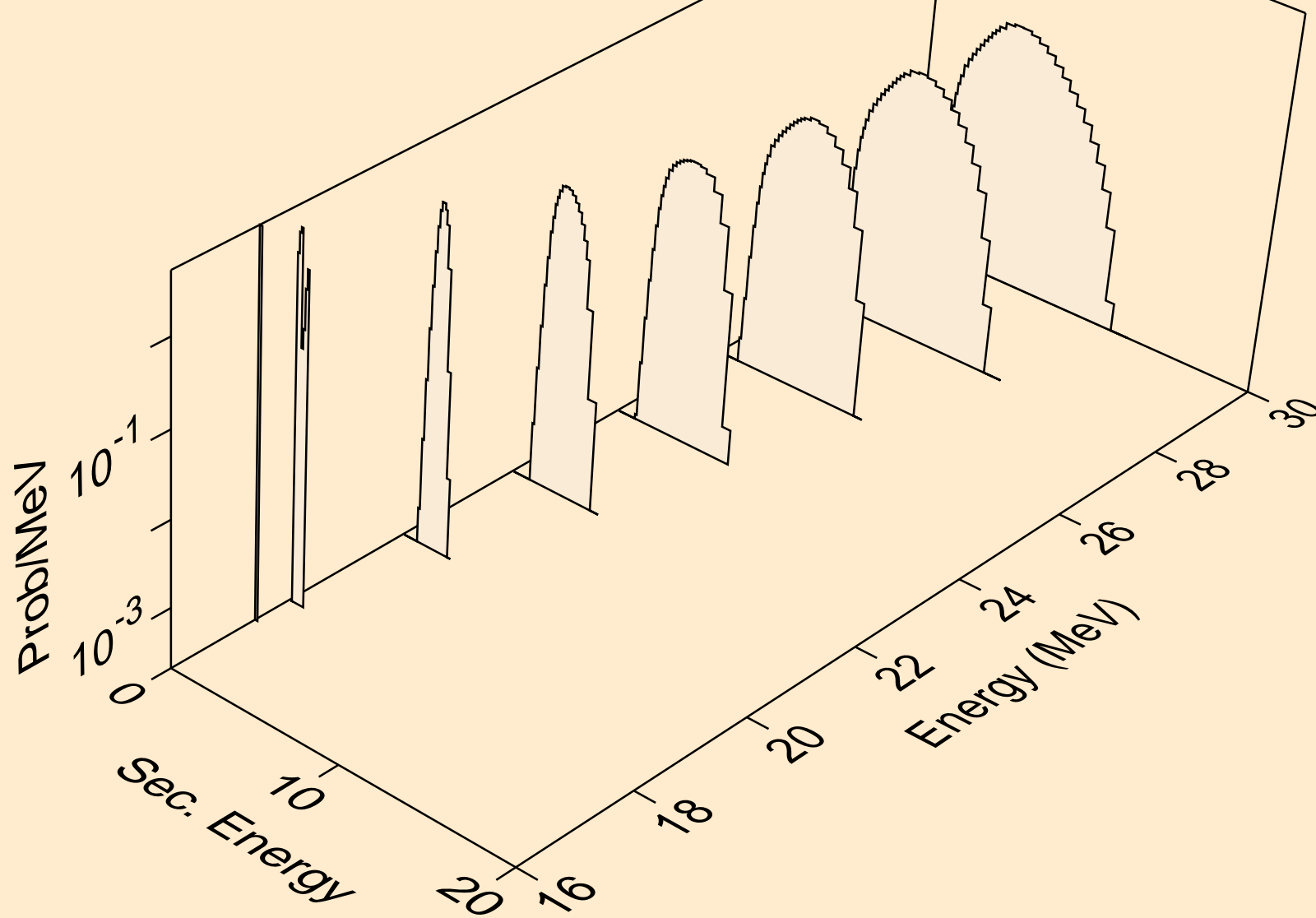
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protons from (s,x)



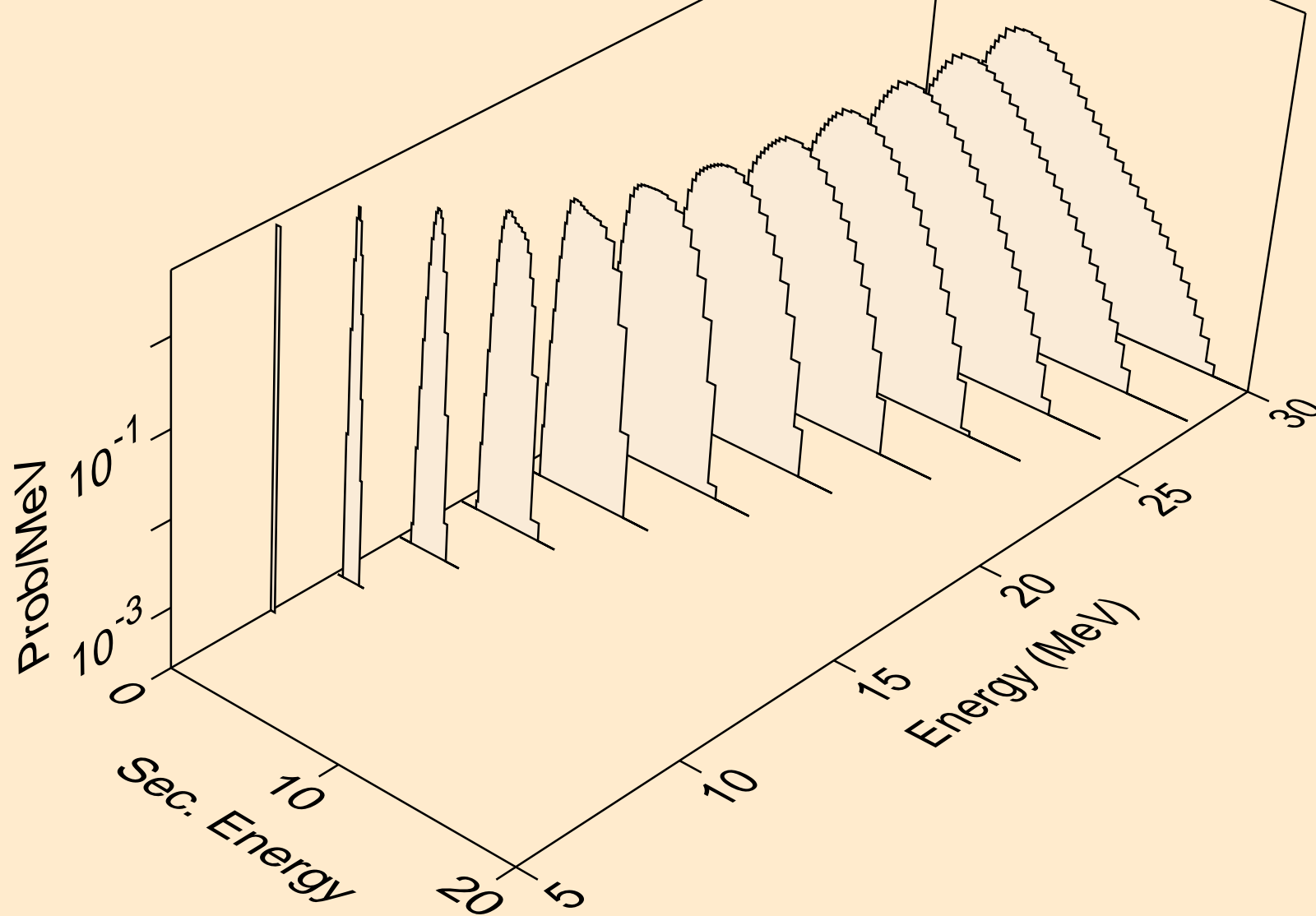
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protons from (s,n\*)p



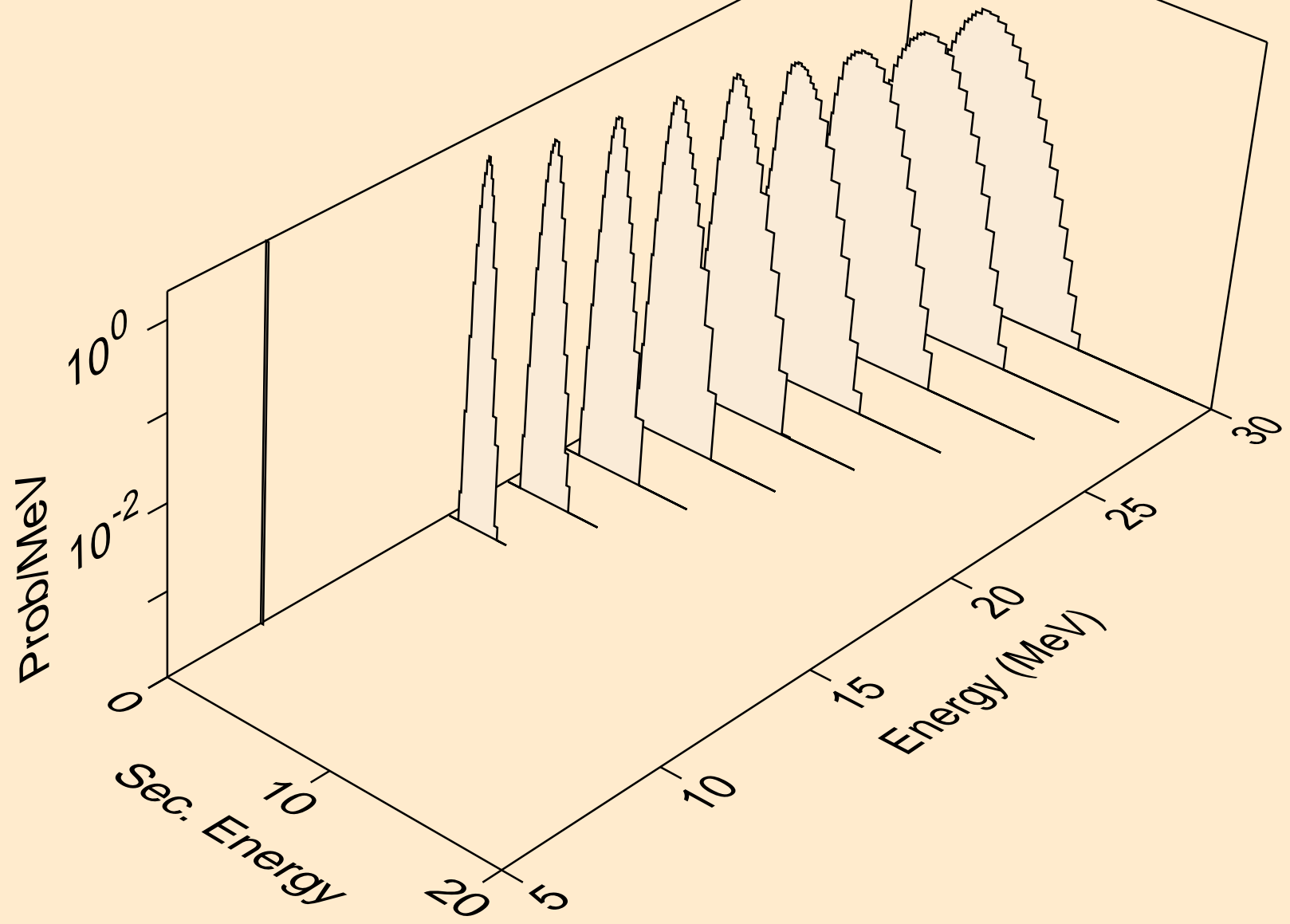
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protons from (s,2np)



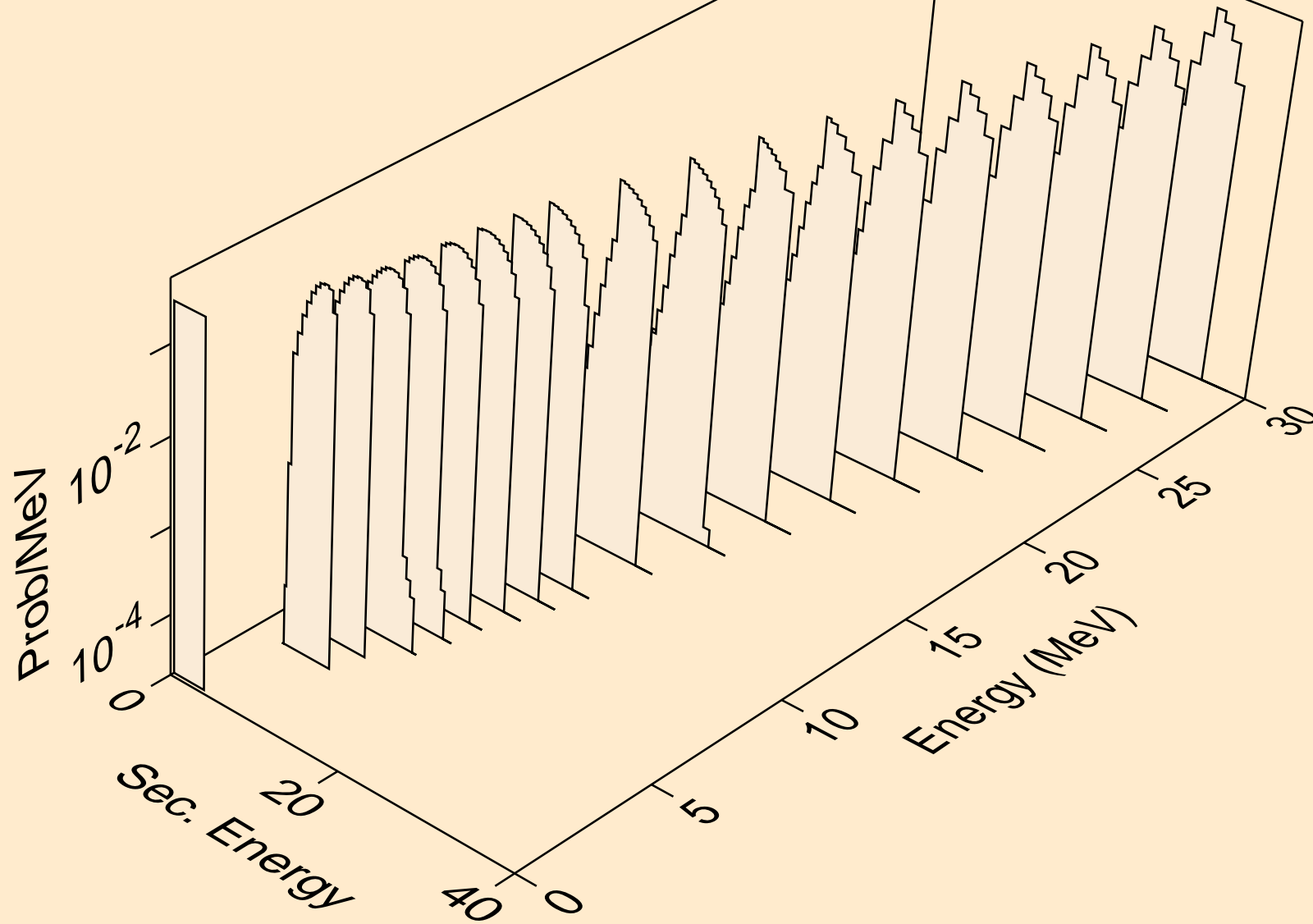
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protons from (s,2np)



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protons from (s,npa)

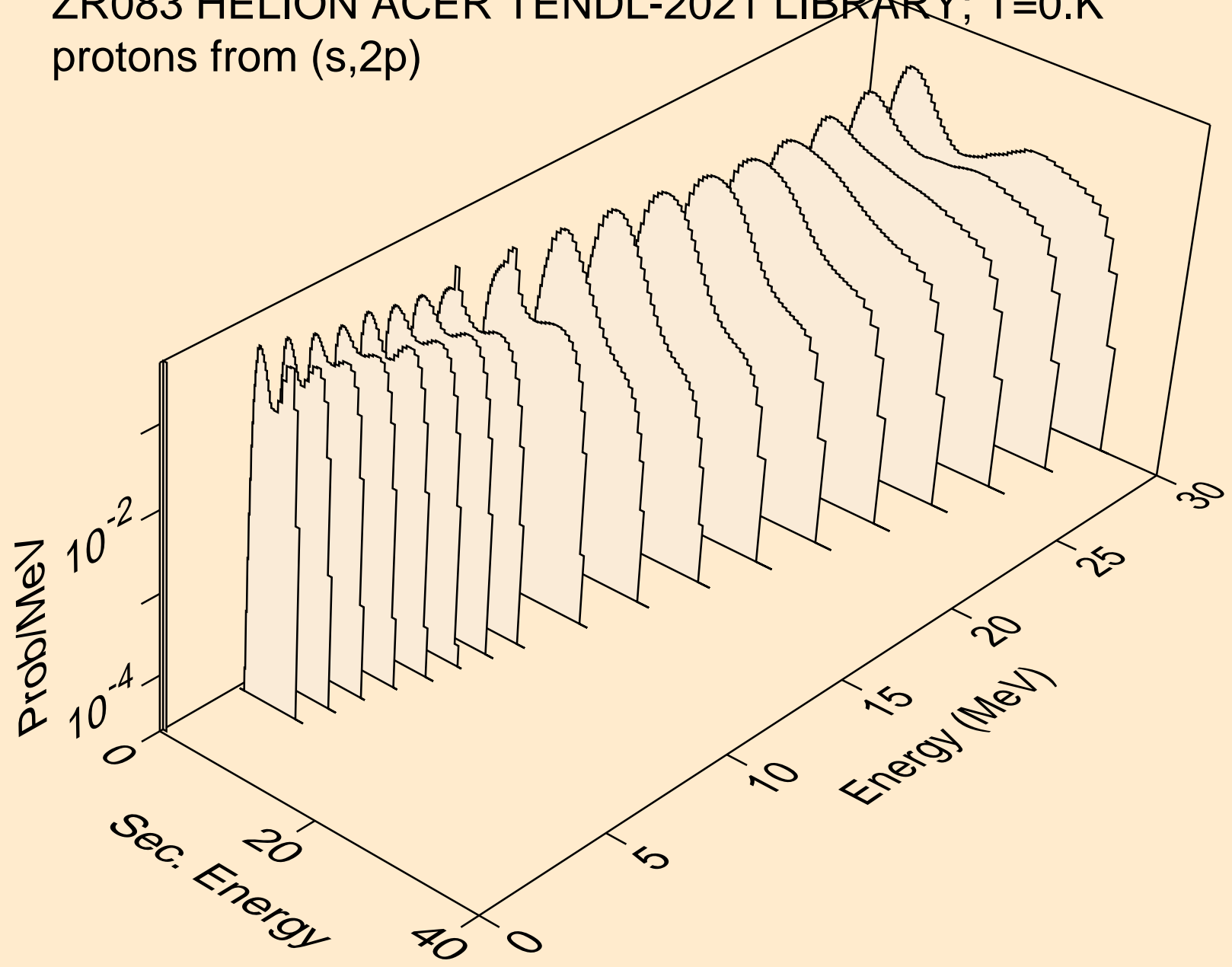


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protons from (s,p)

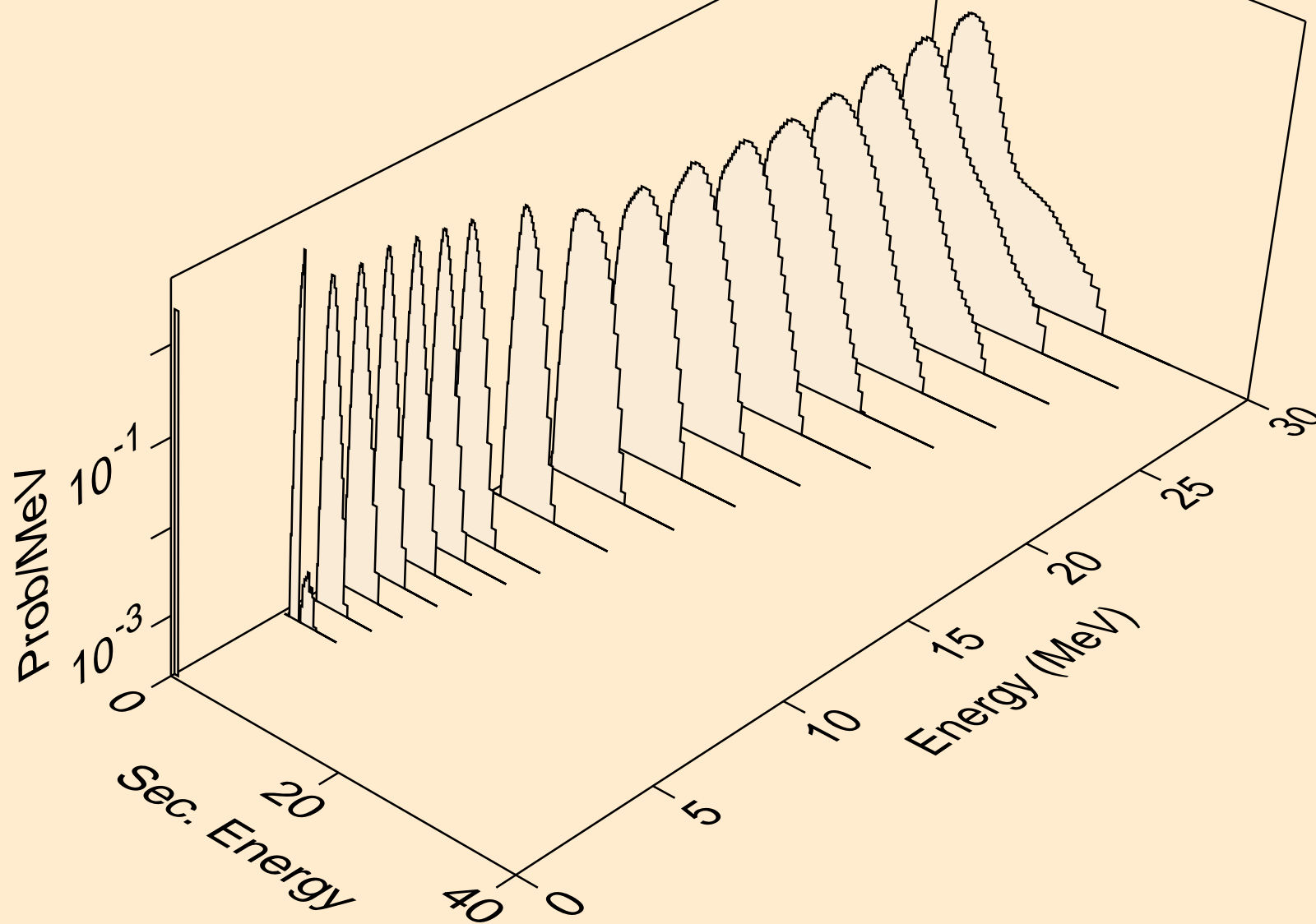




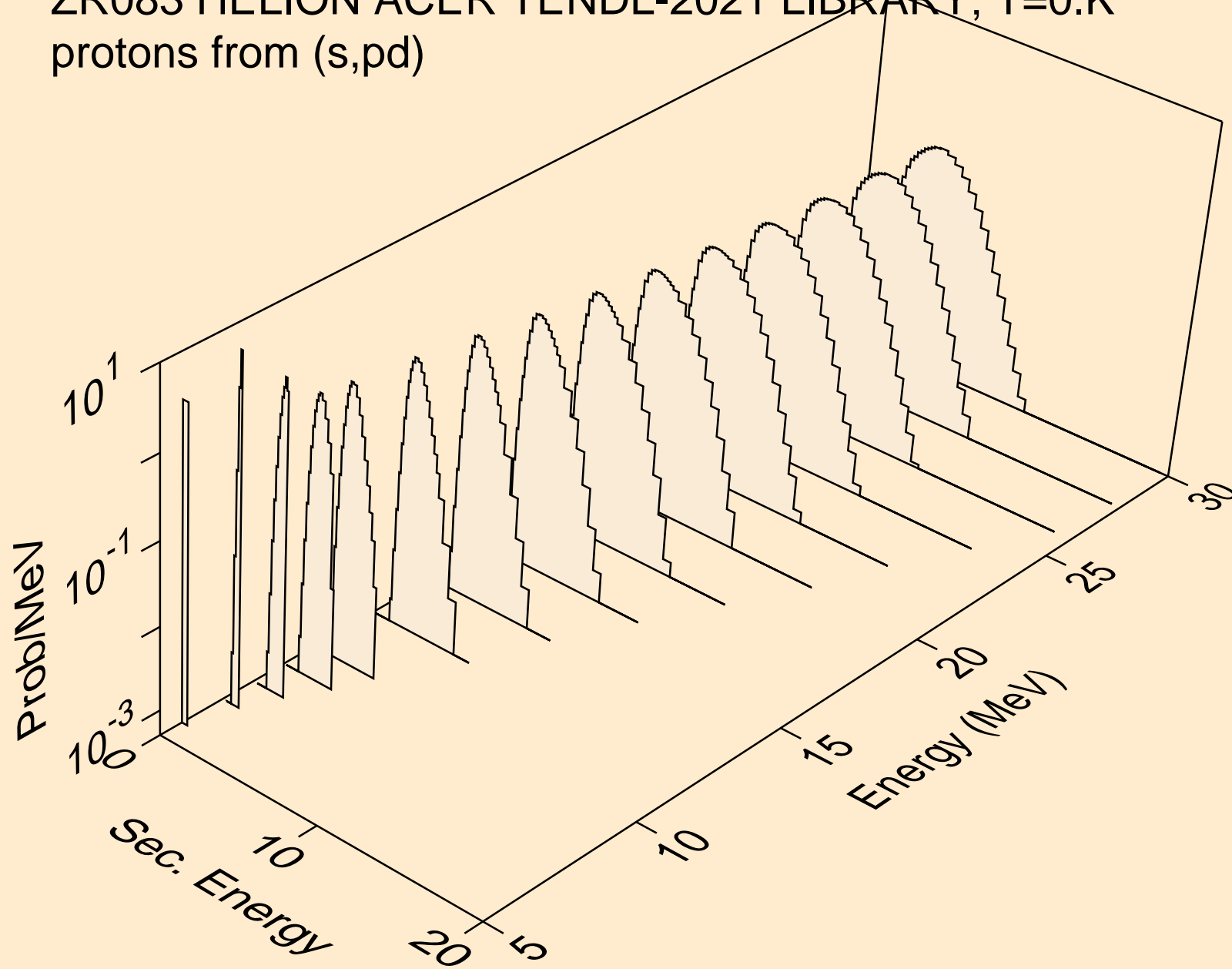
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protons from (s,2p)



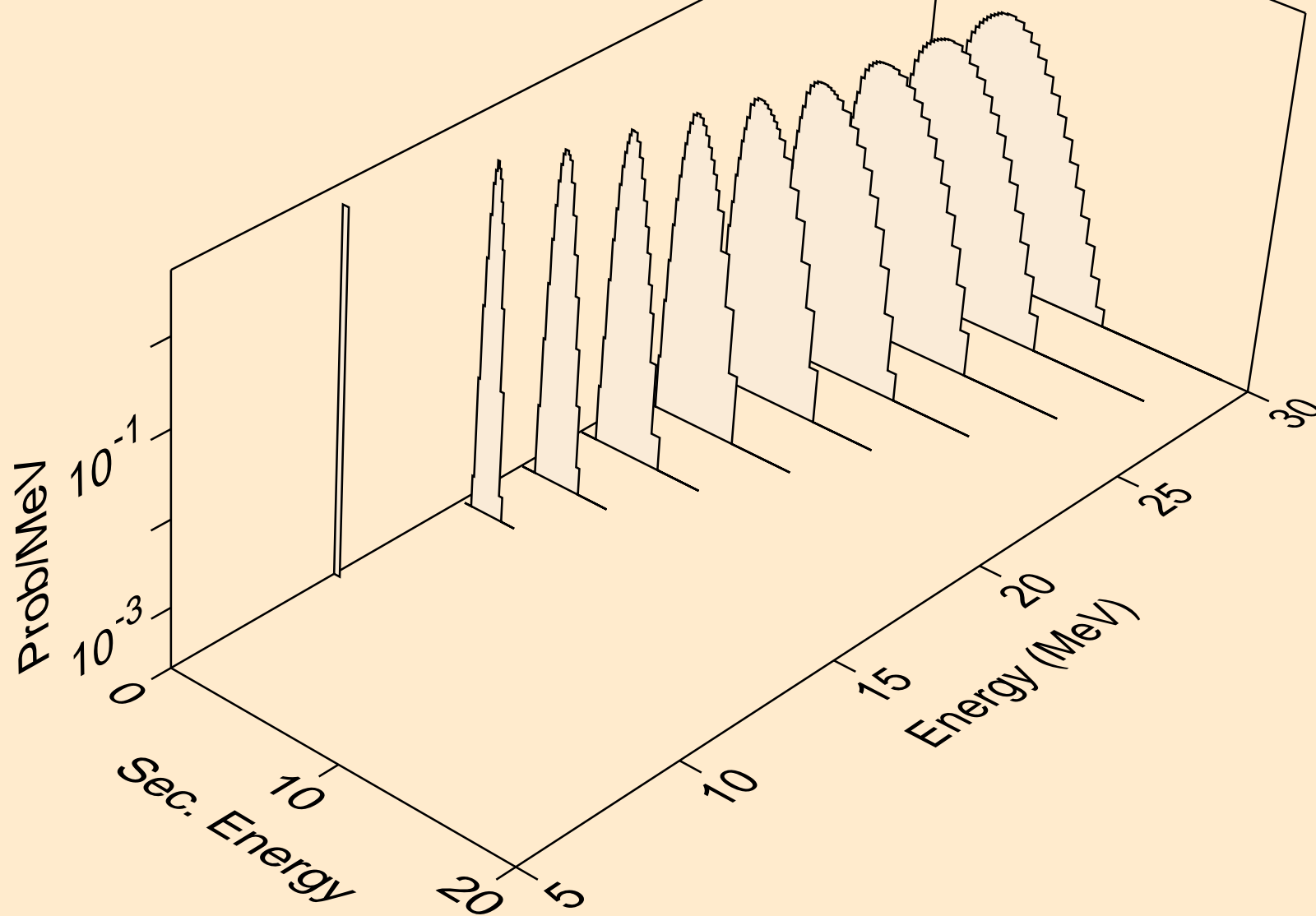
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protons from (s,pa)



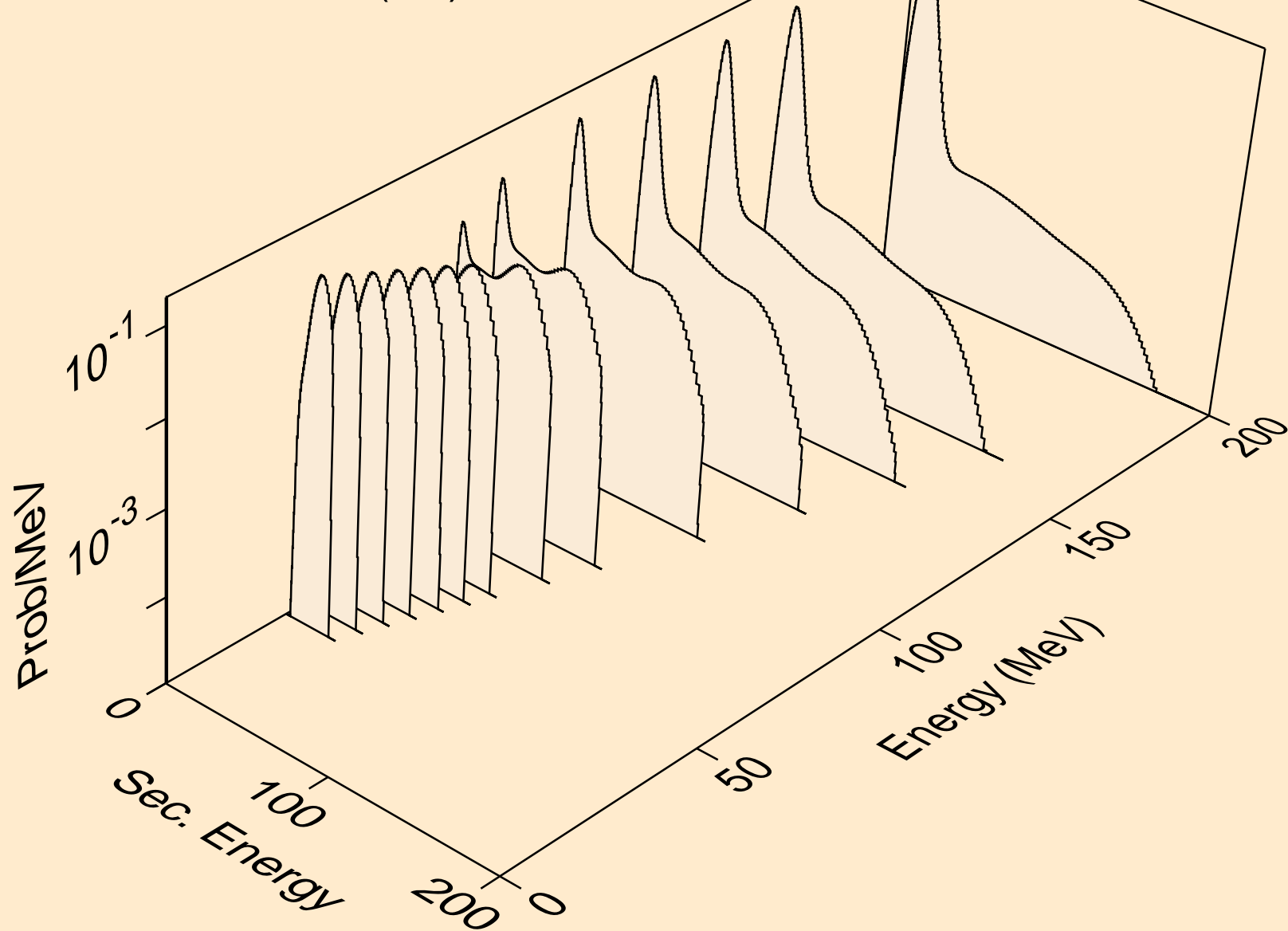
ZR083 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,pd)



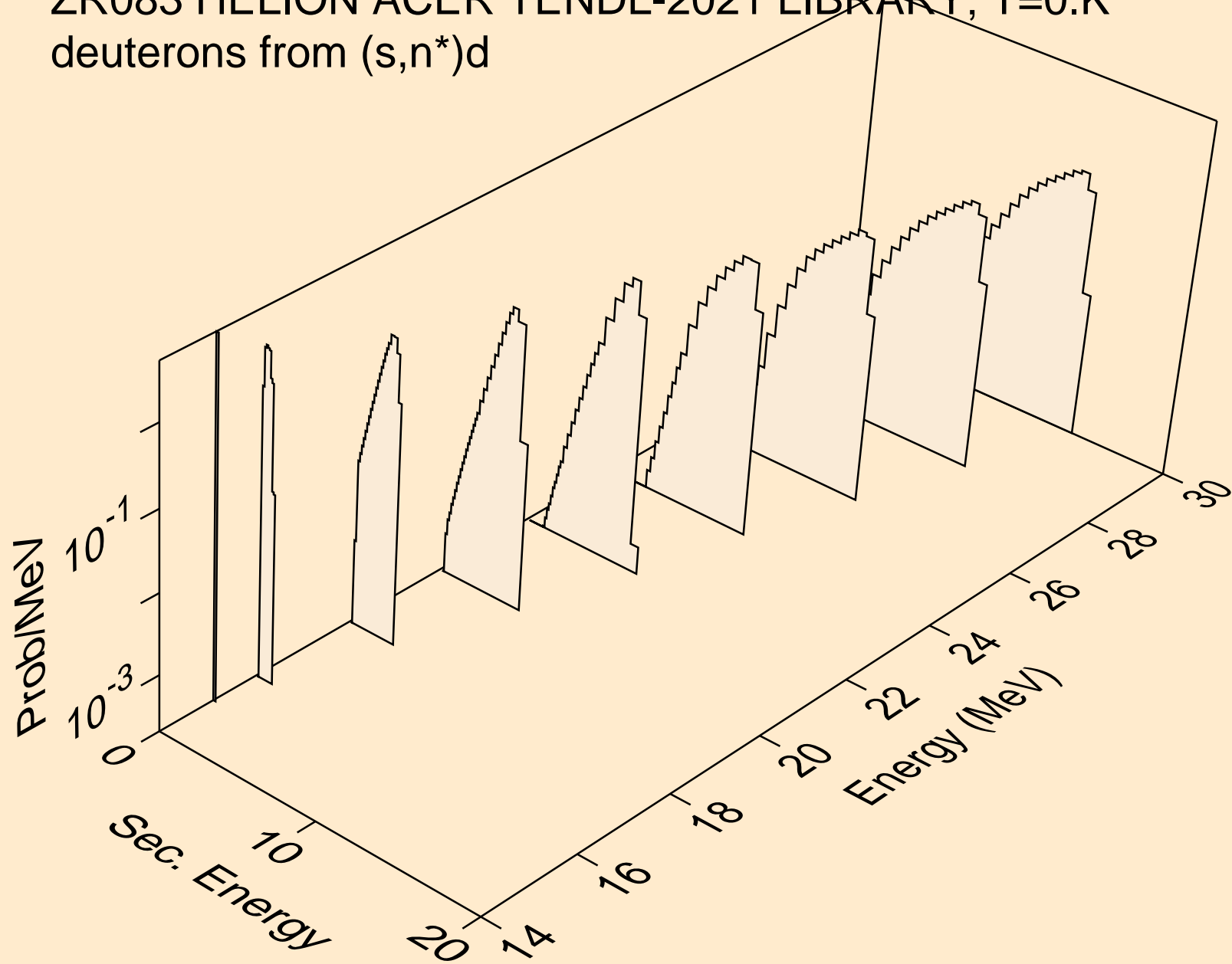
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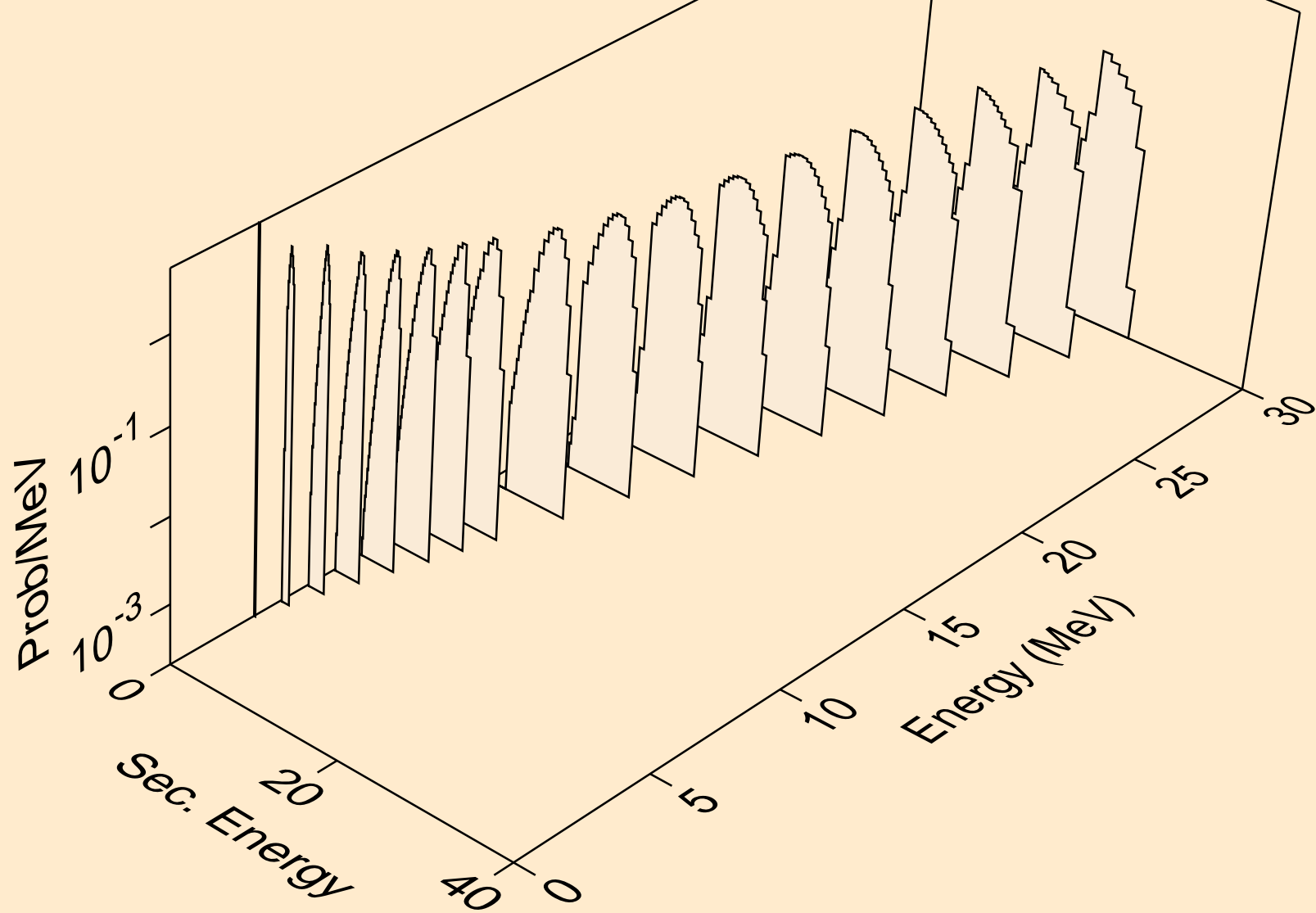
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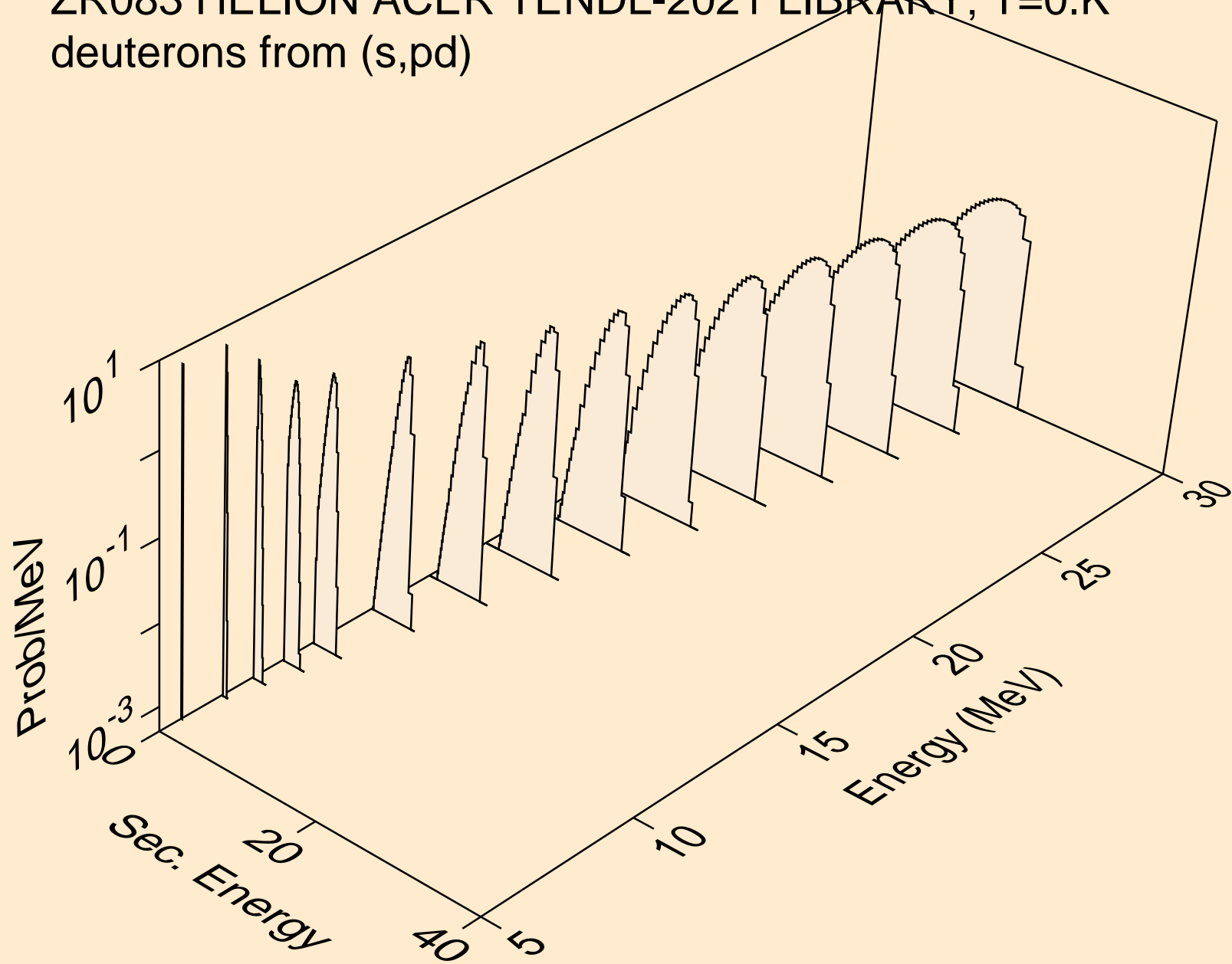
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deuterons from (s,n\*)d



ZR083 HELION ACER TENDL-2021 LIBRARY; T=0.K  
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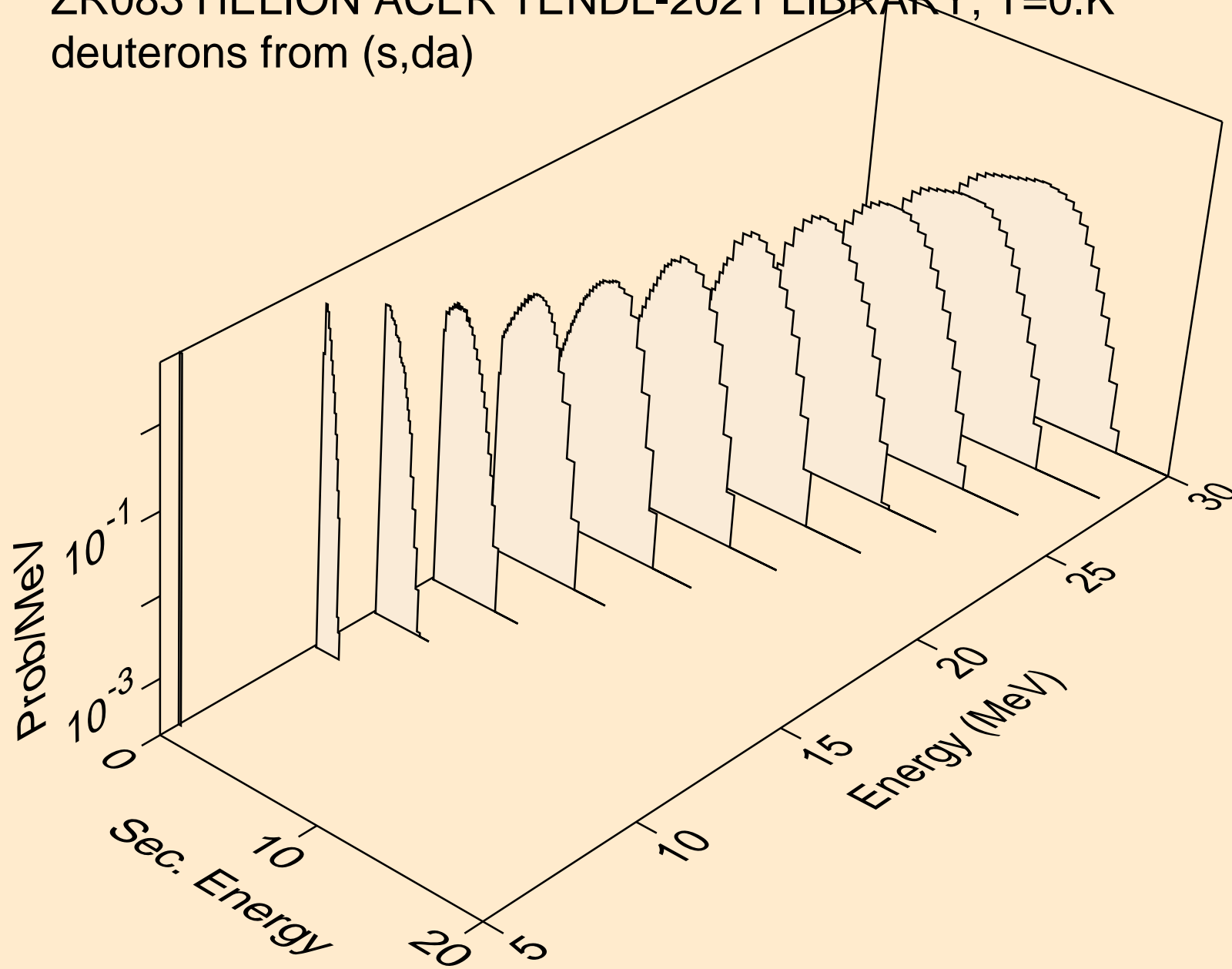


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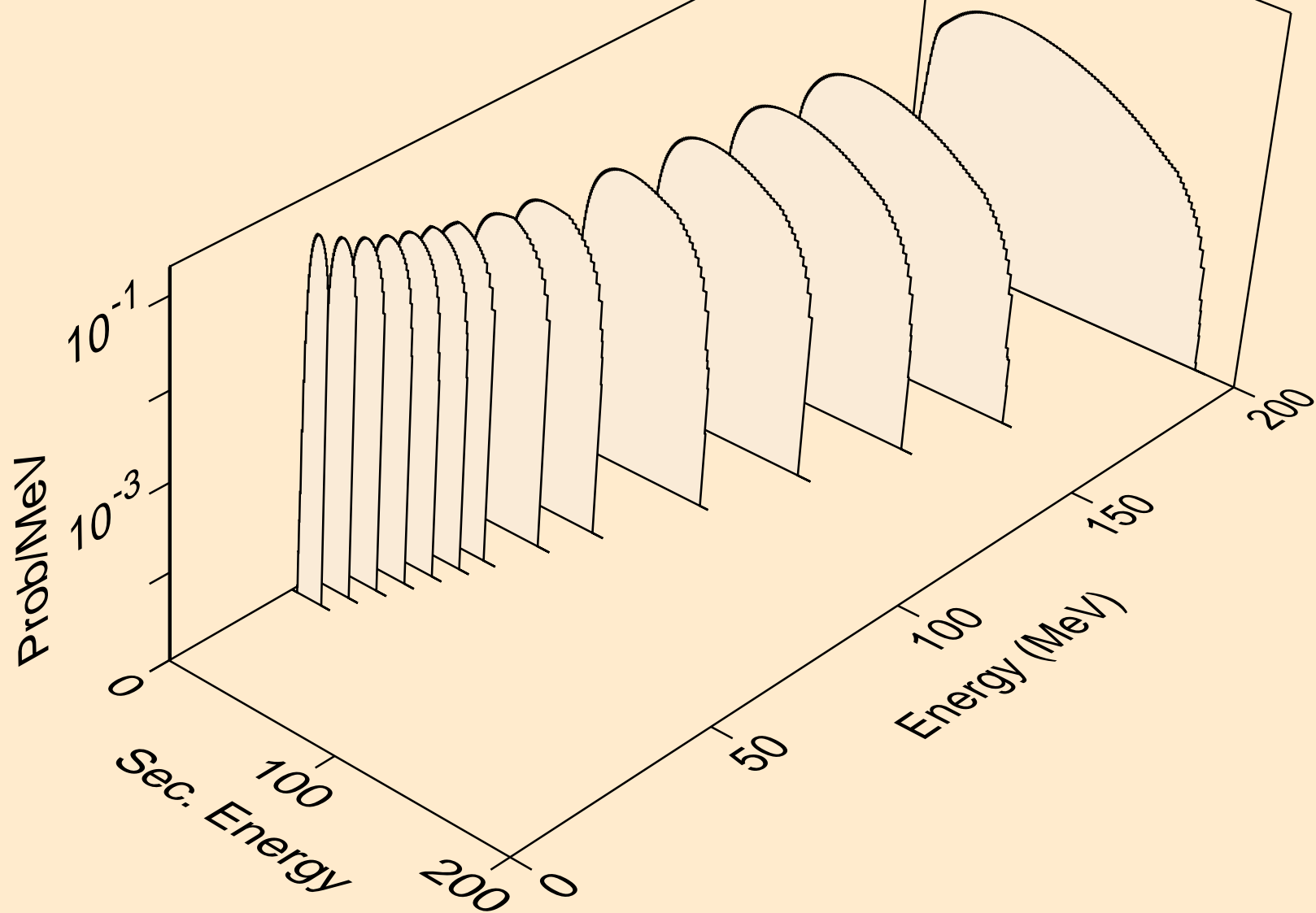




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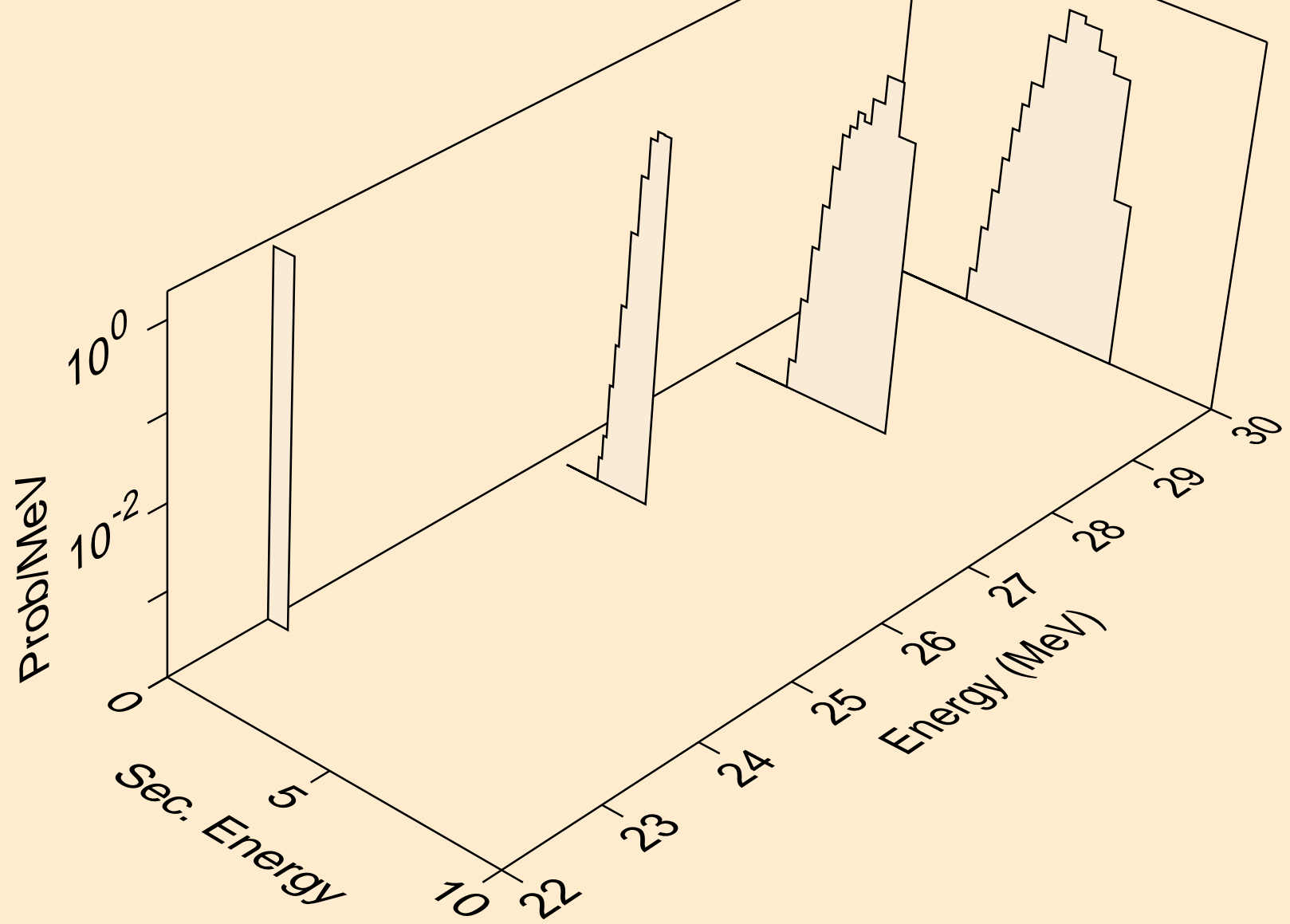


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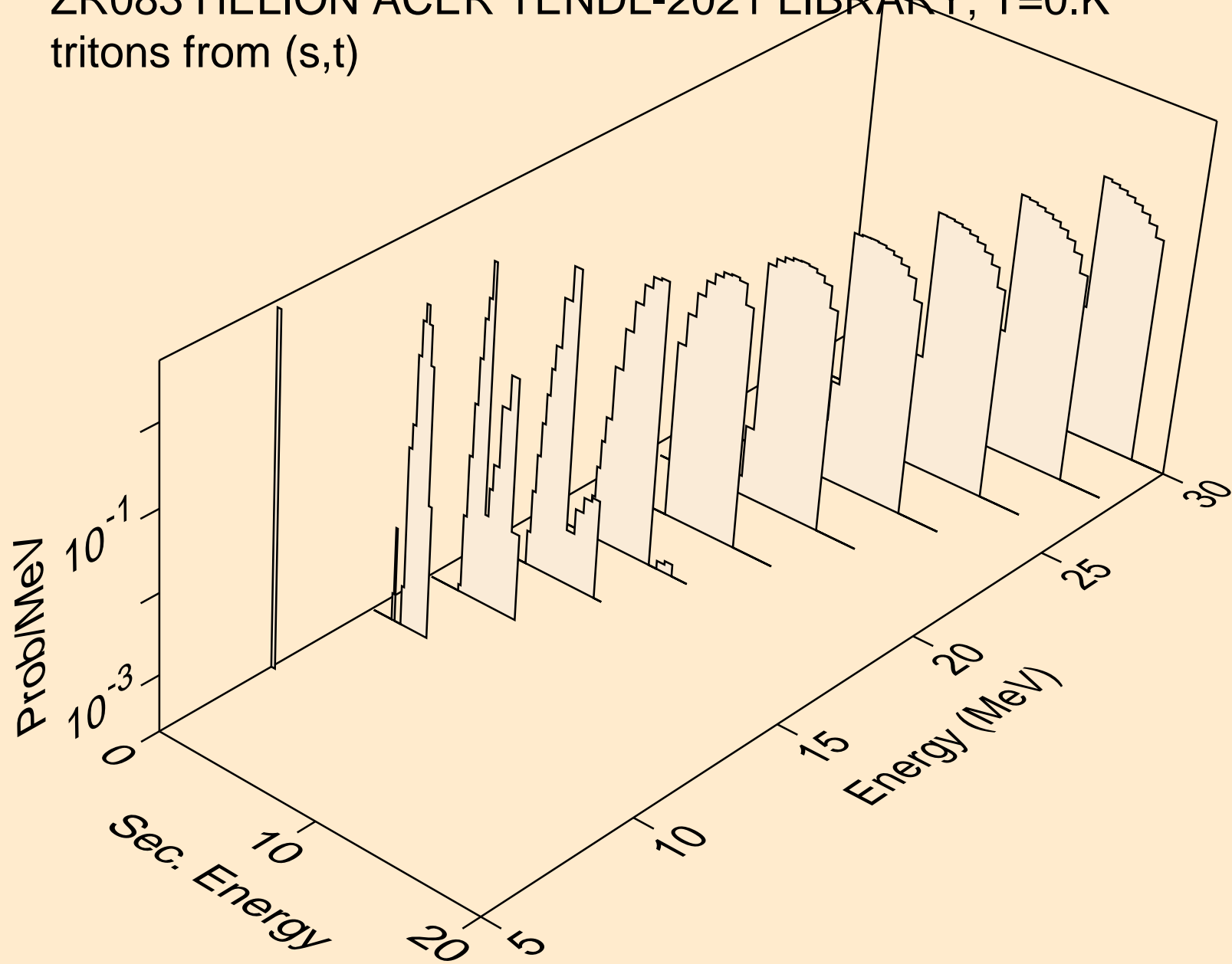


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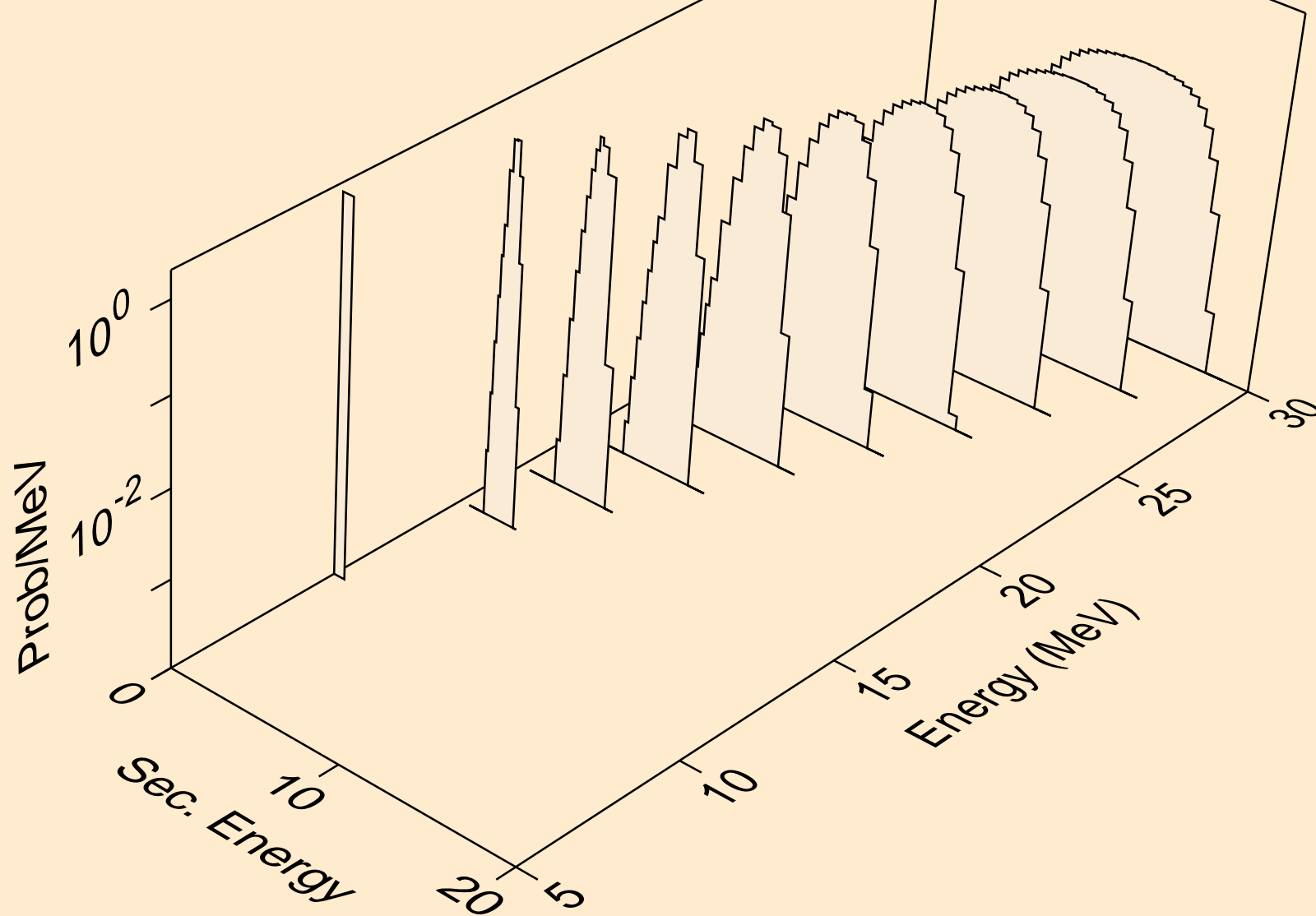
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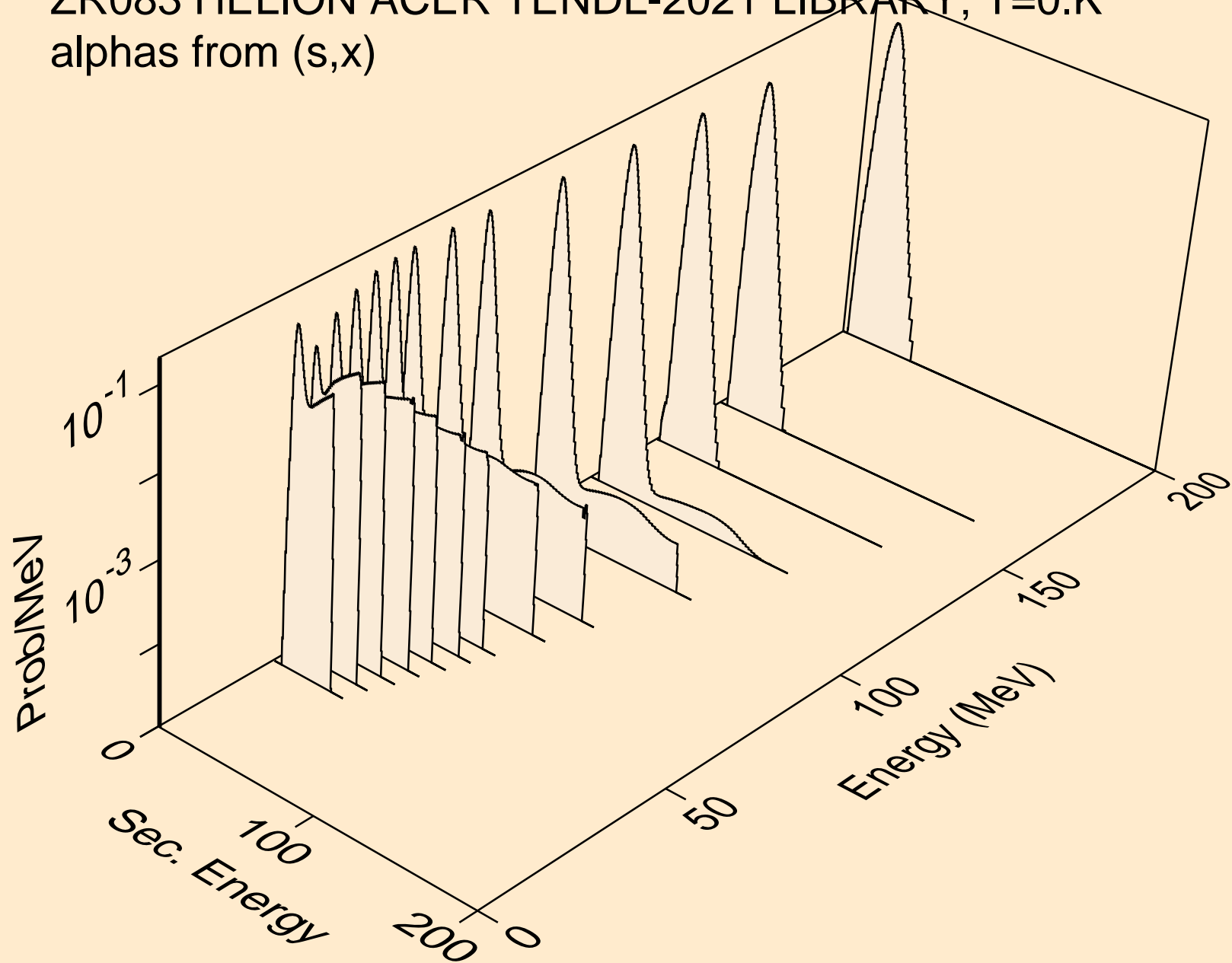
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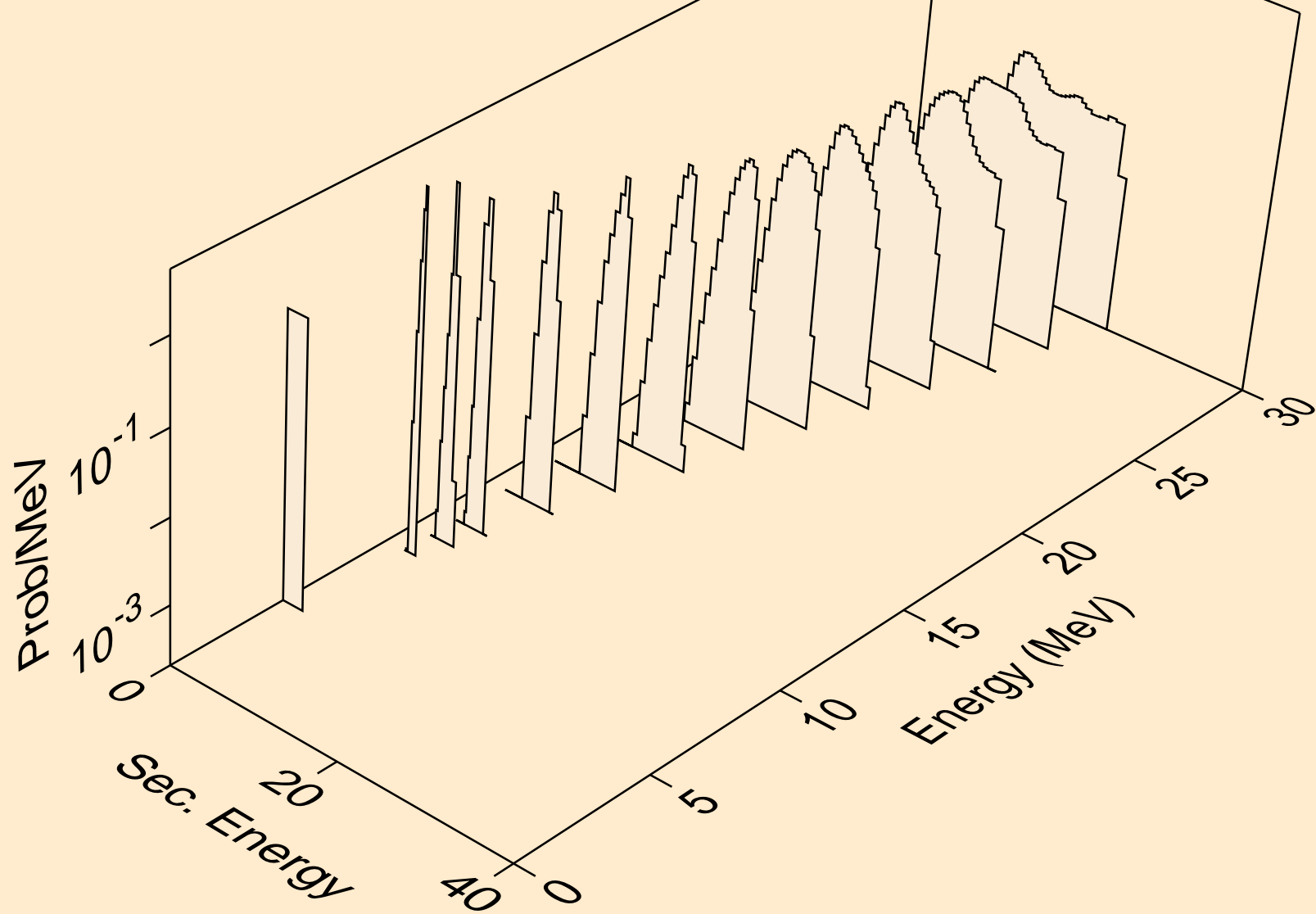
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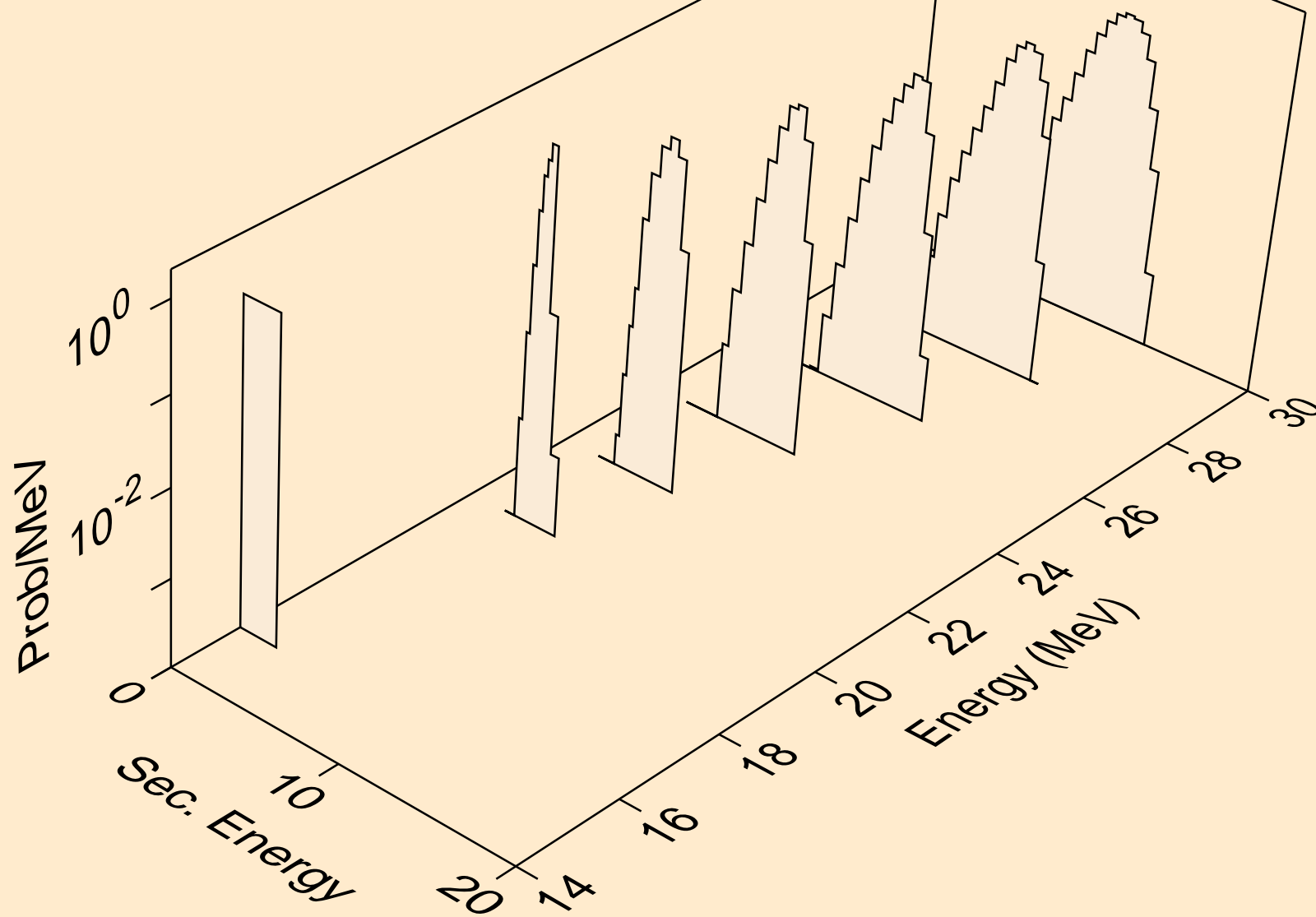
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alphas from (s,x)



ZR083 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,n\*)a

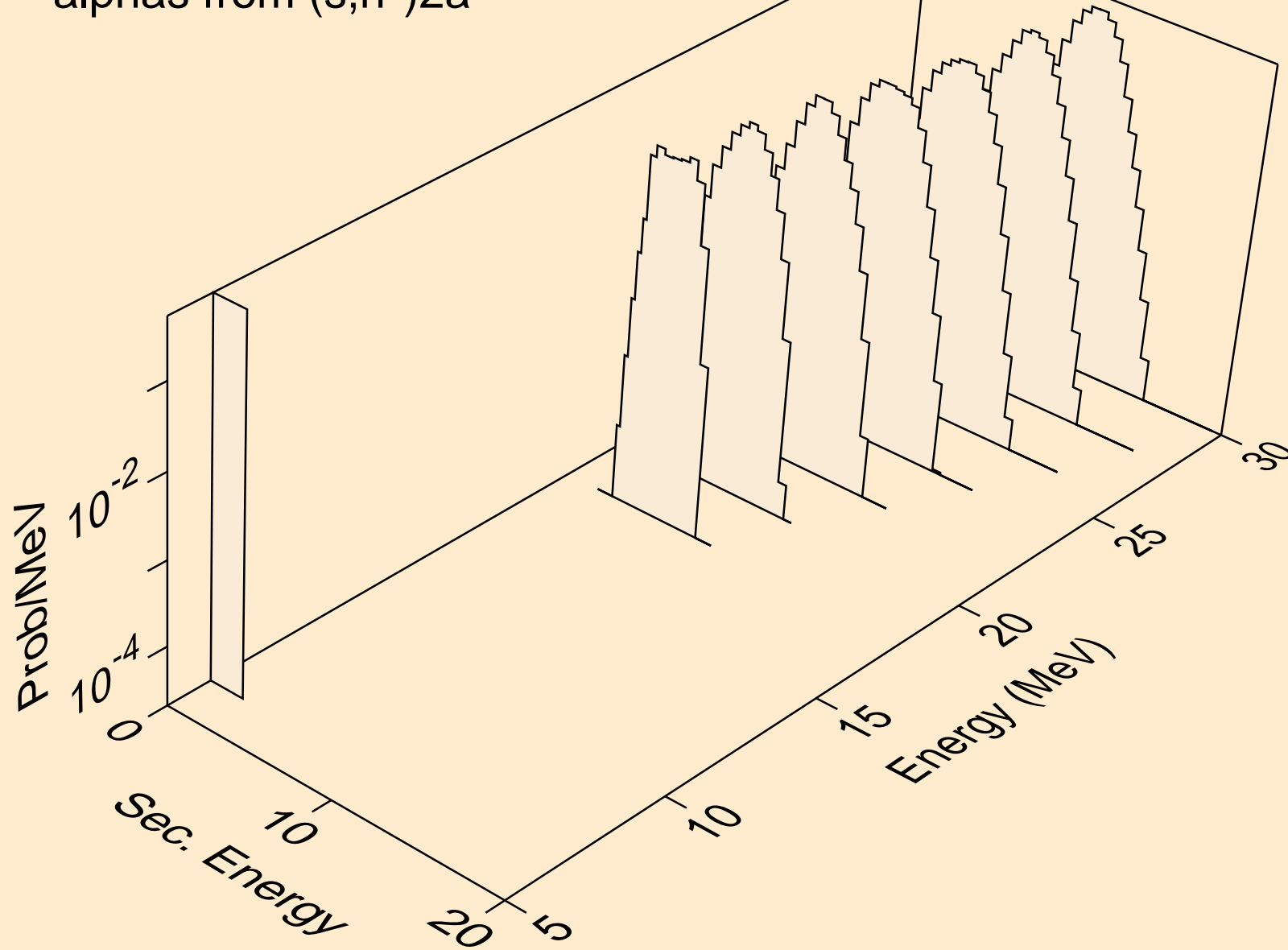


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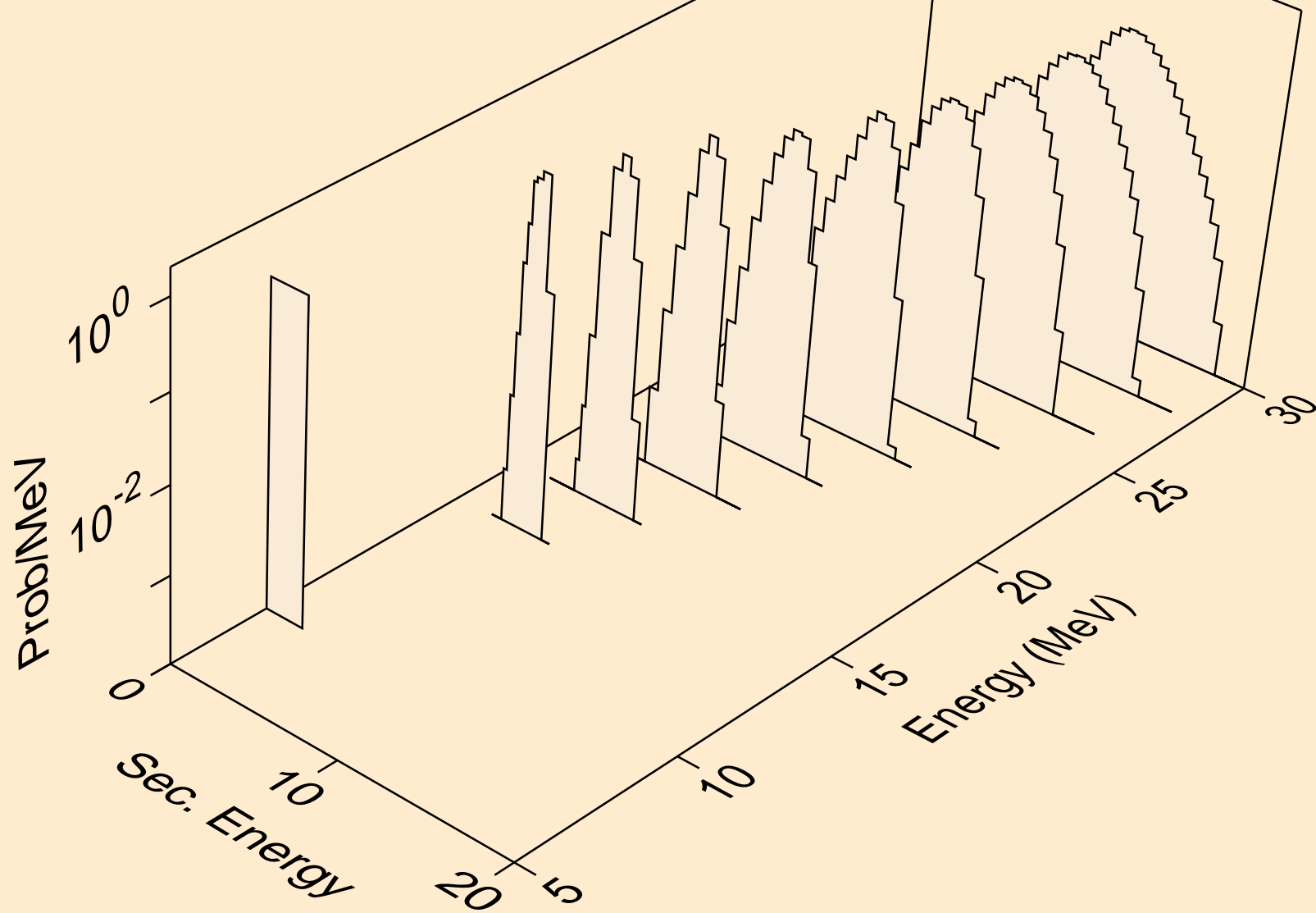




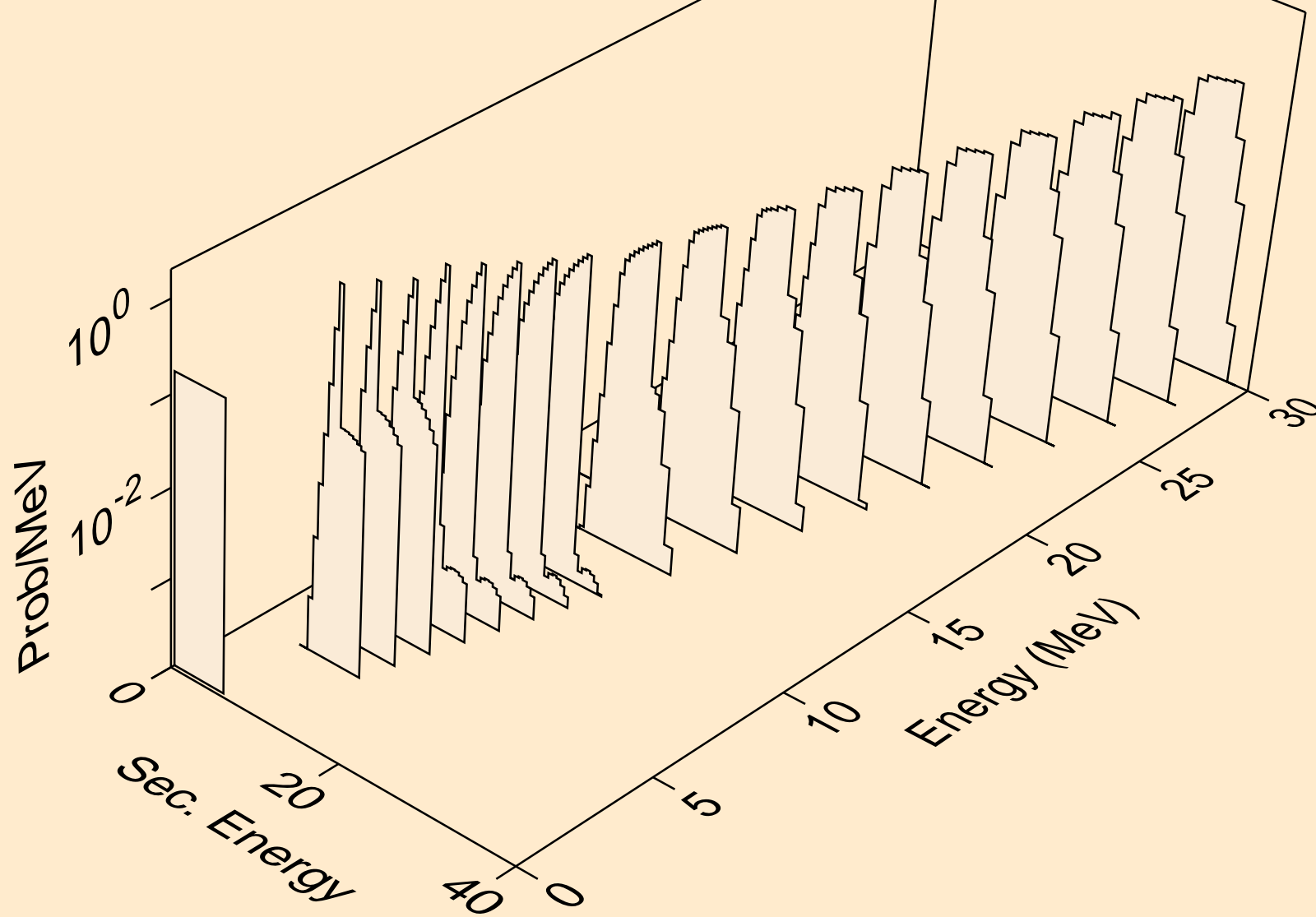
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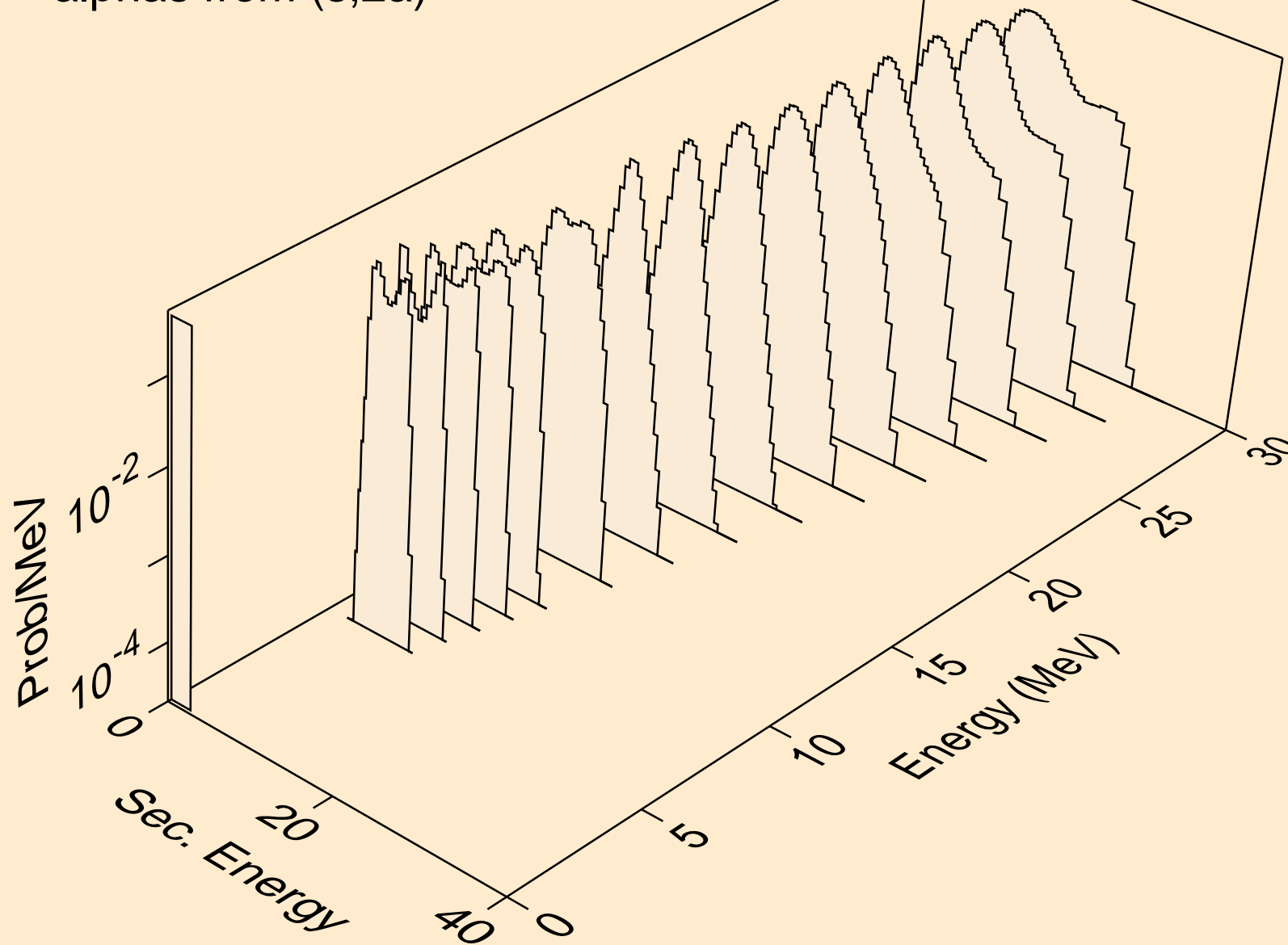
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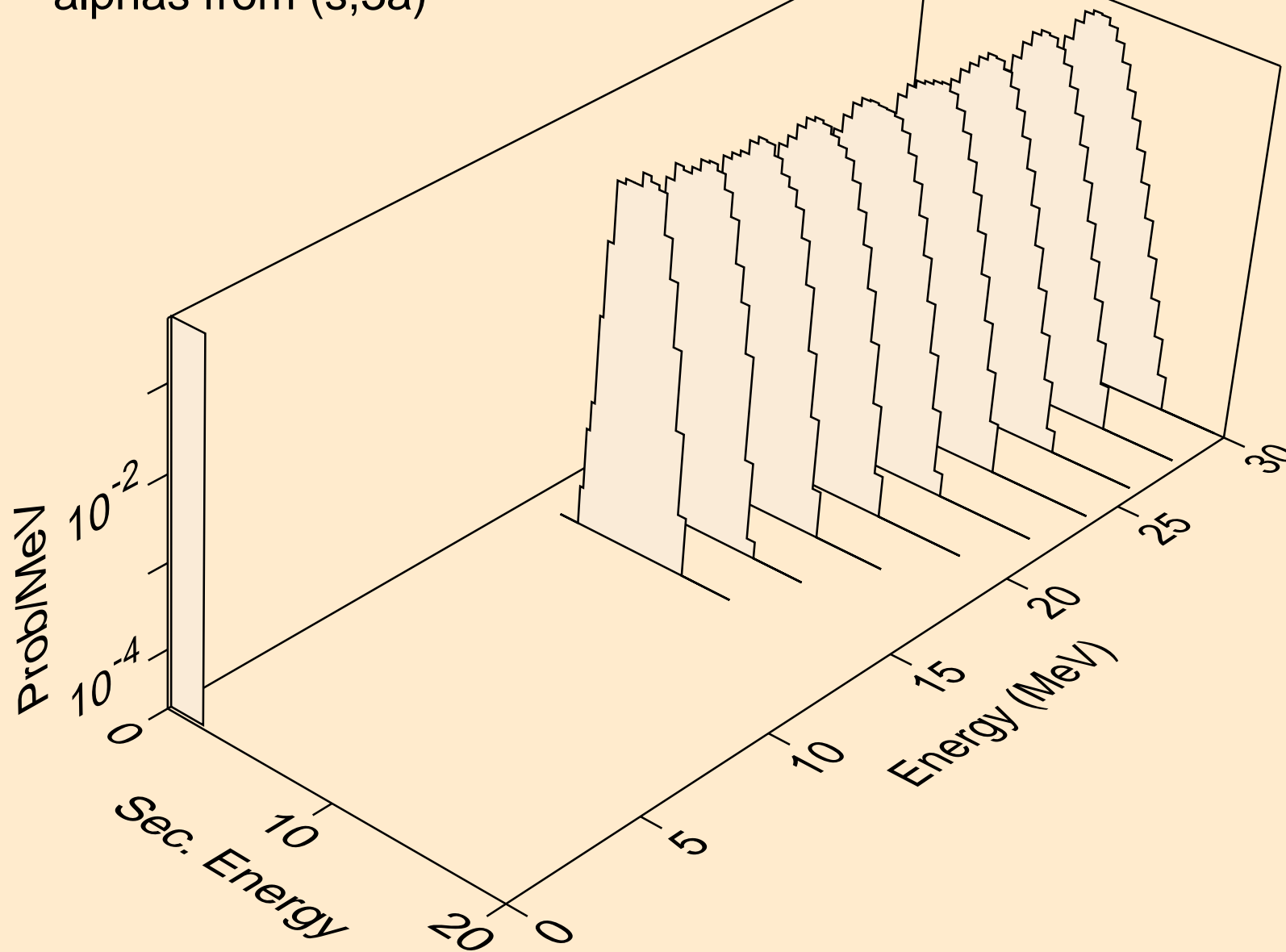
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alphas from (s,a)



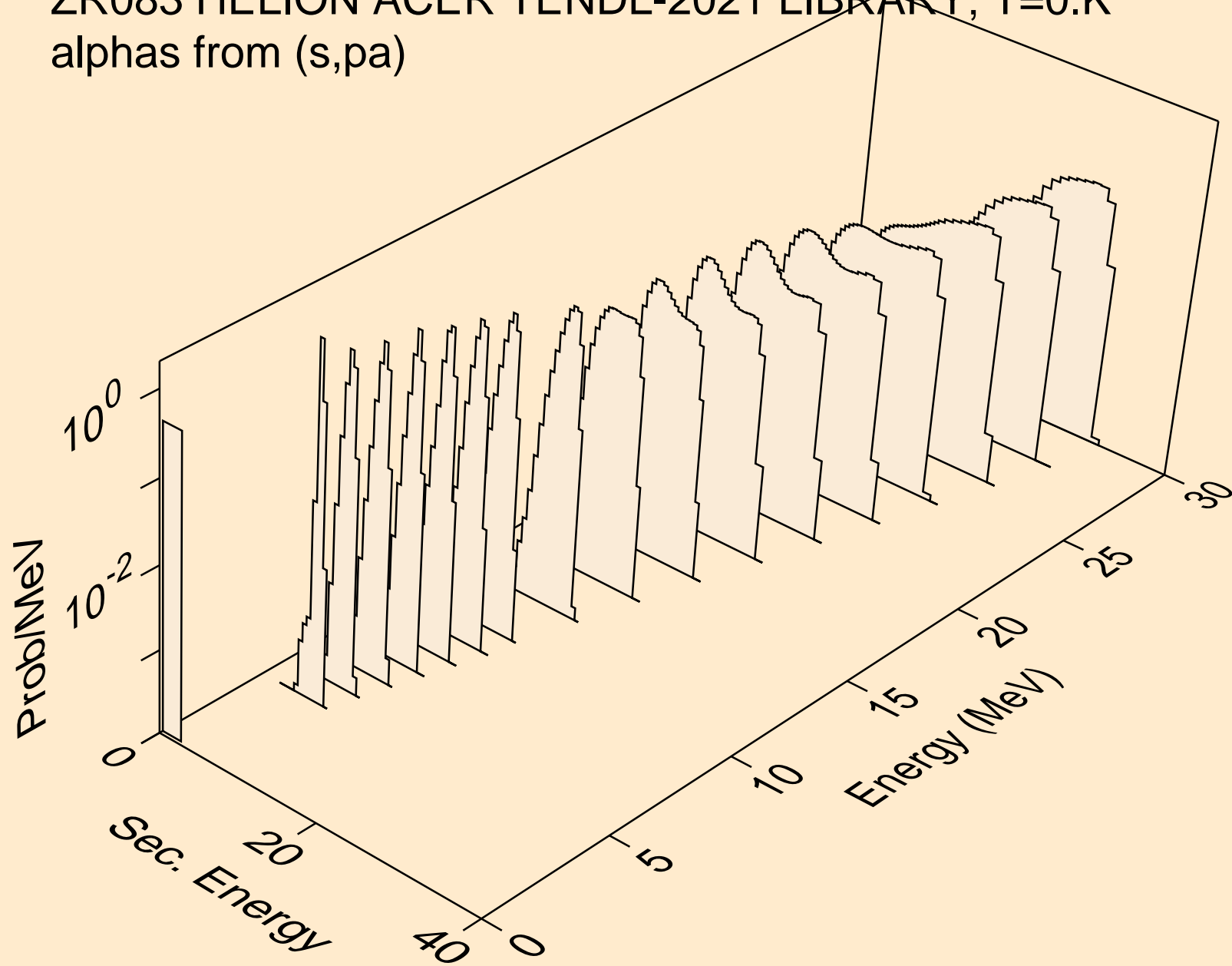
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alphas from (s,2a)



ZR083 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,3a)



ZR083 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,pa)



ZR083 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,da)

