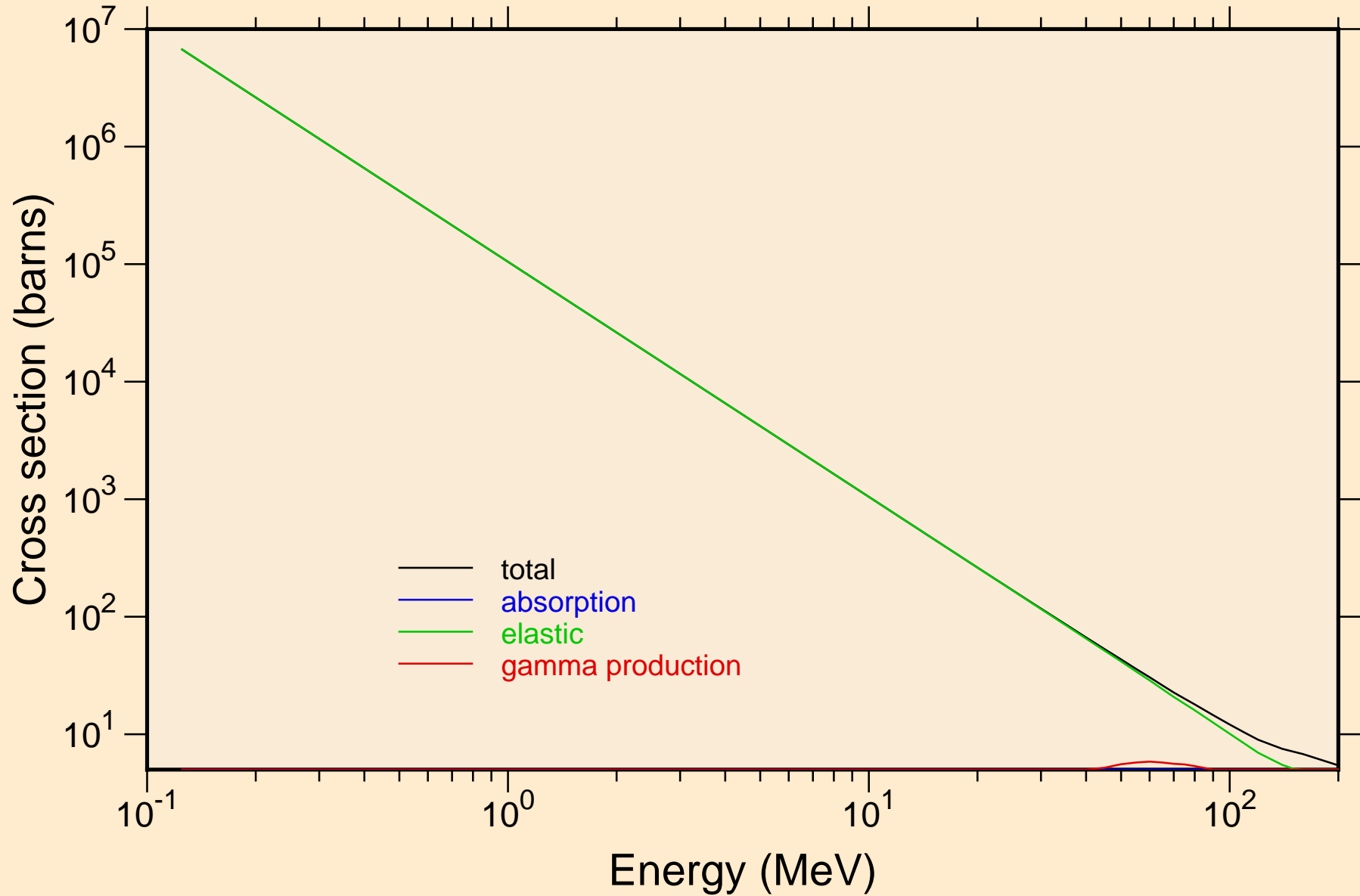


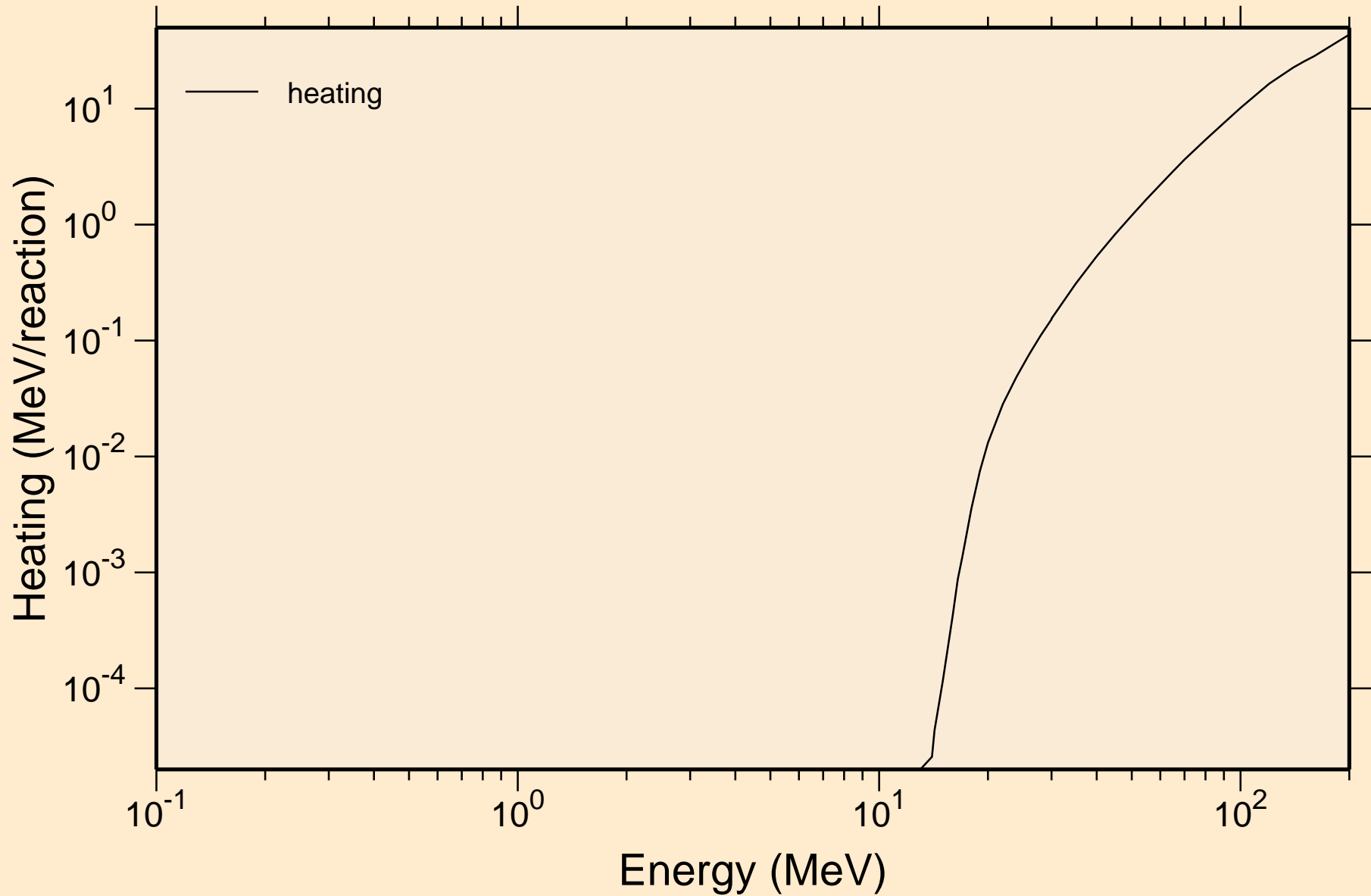
# GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



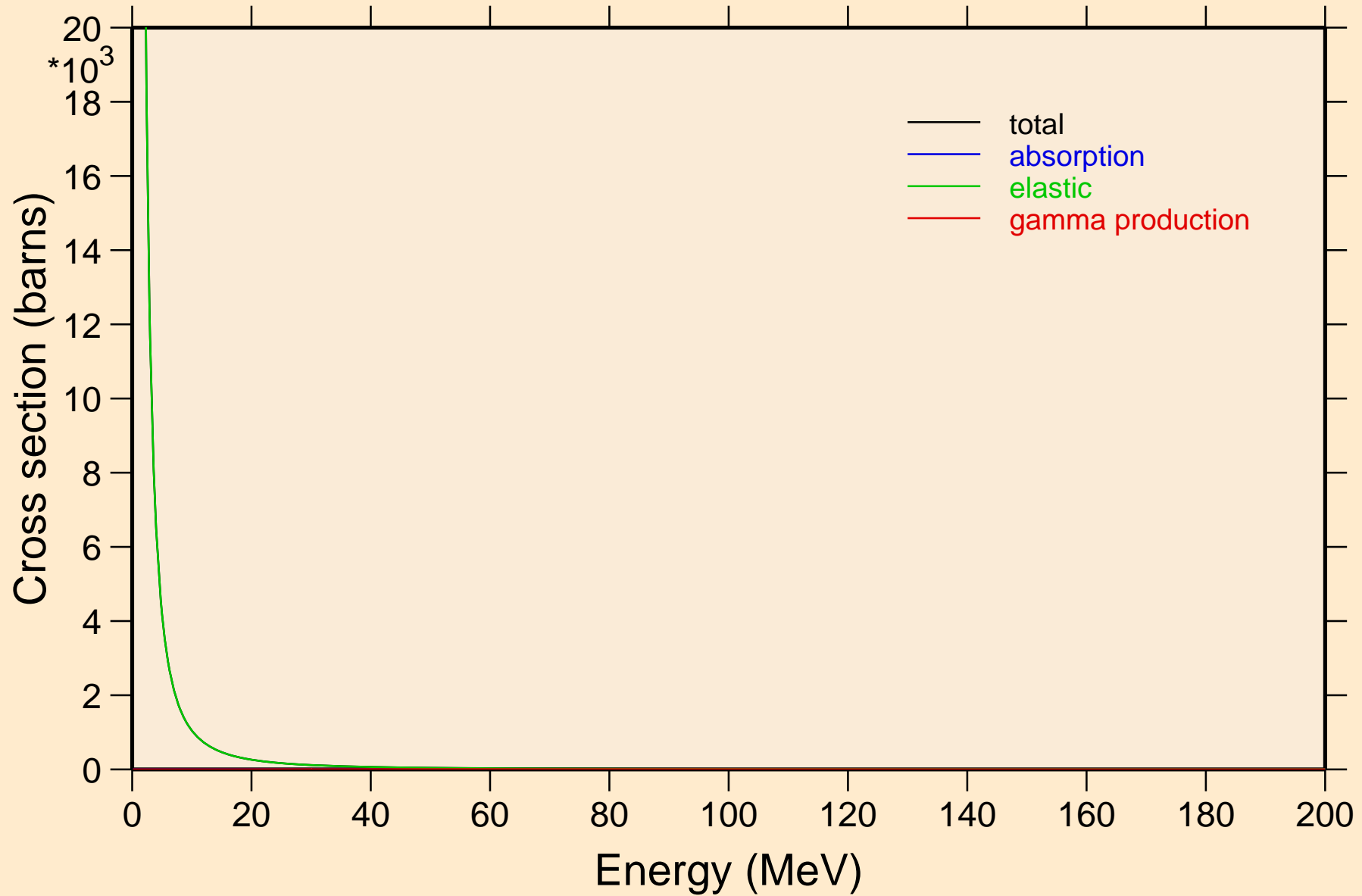
GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K

Heating



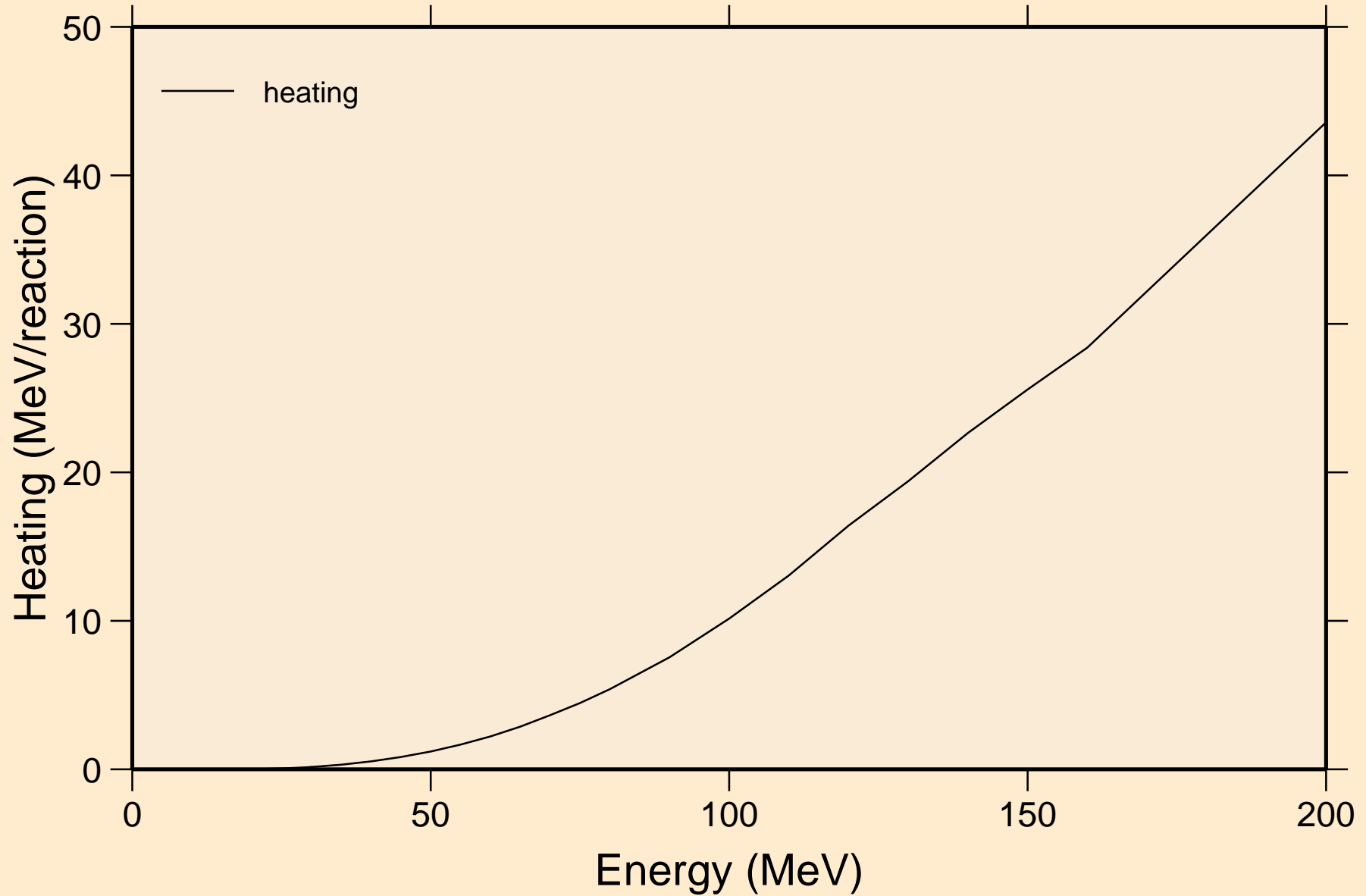
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## Principal cross sections

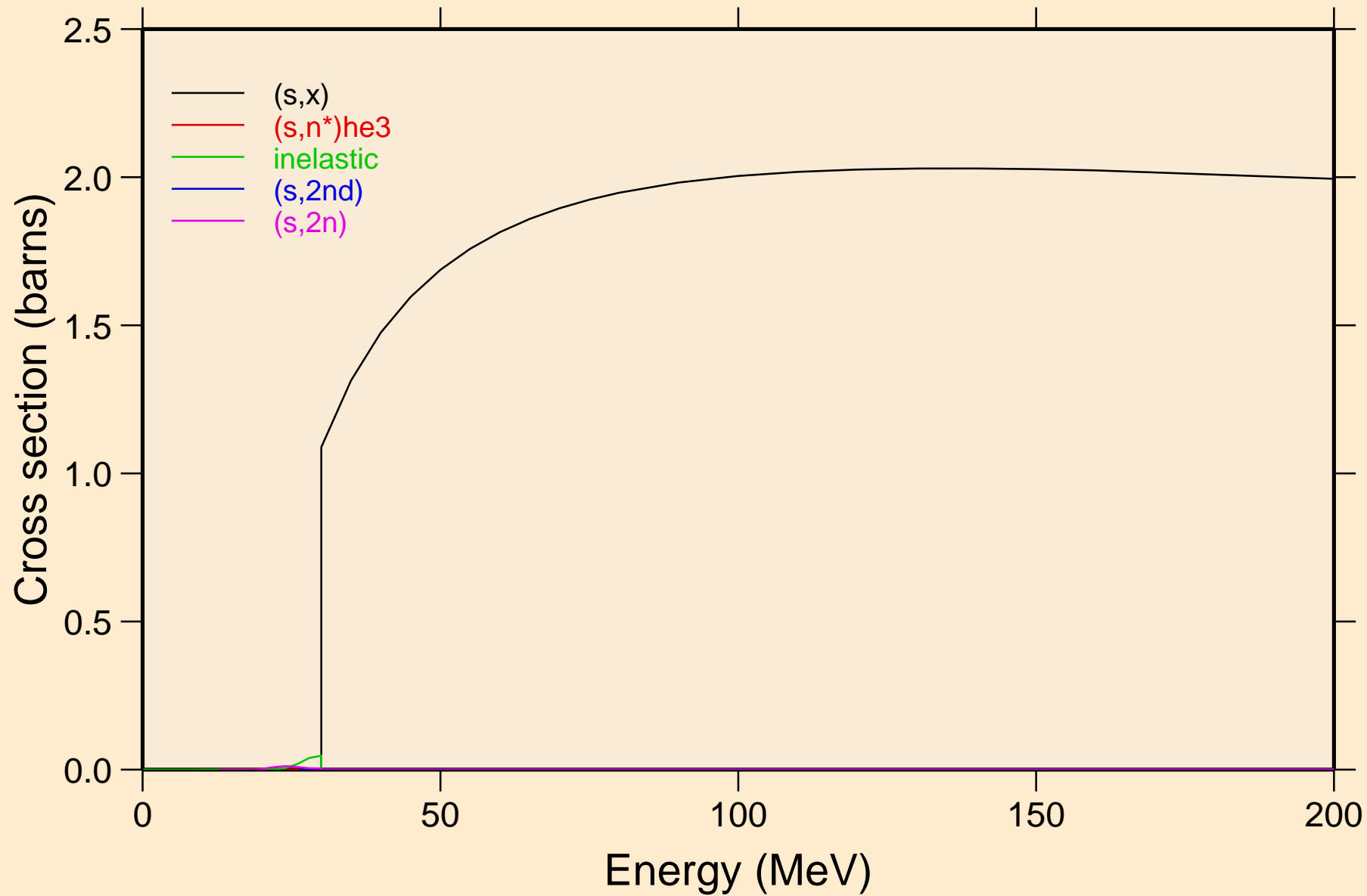


GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K

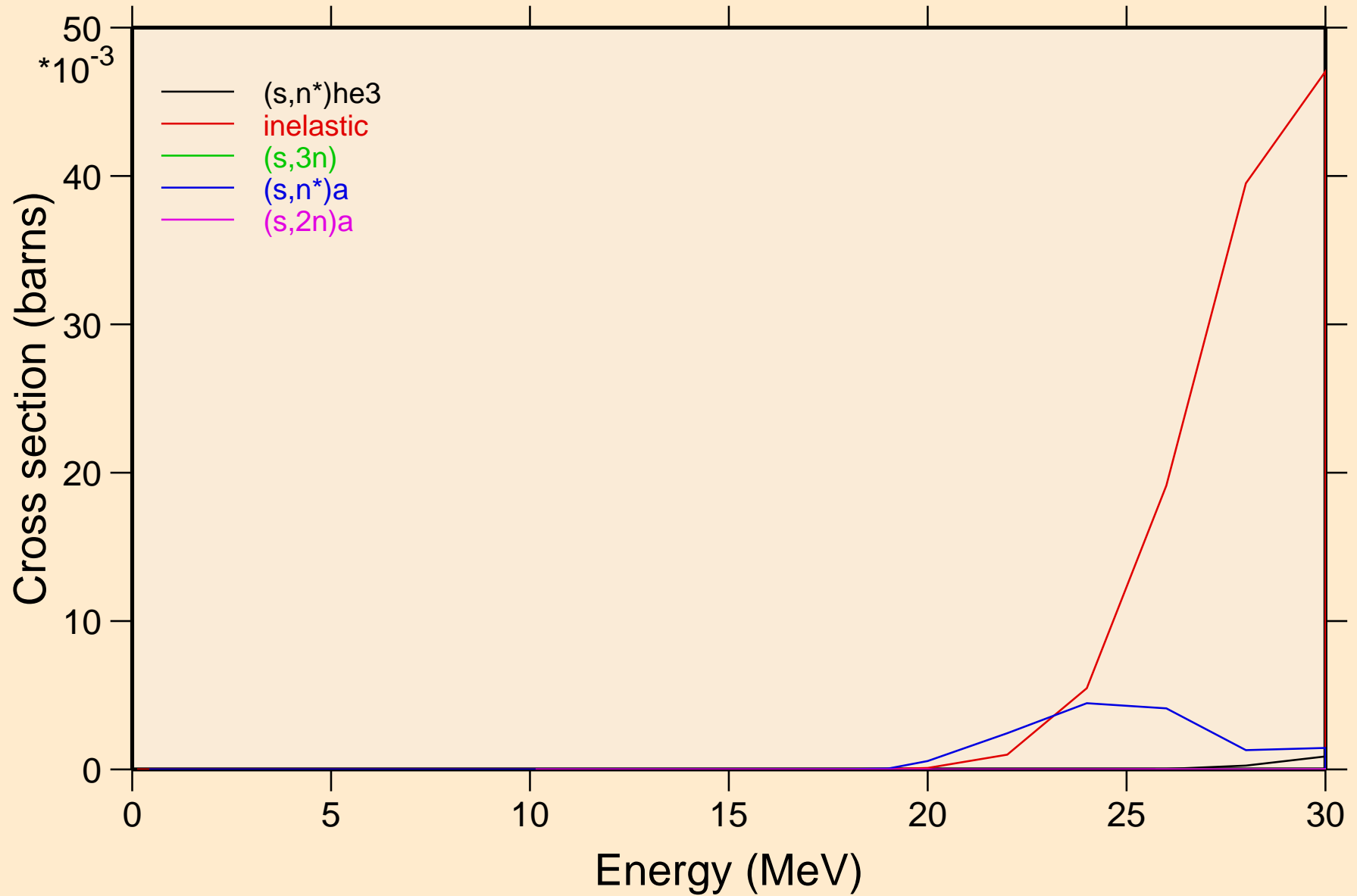
Heating



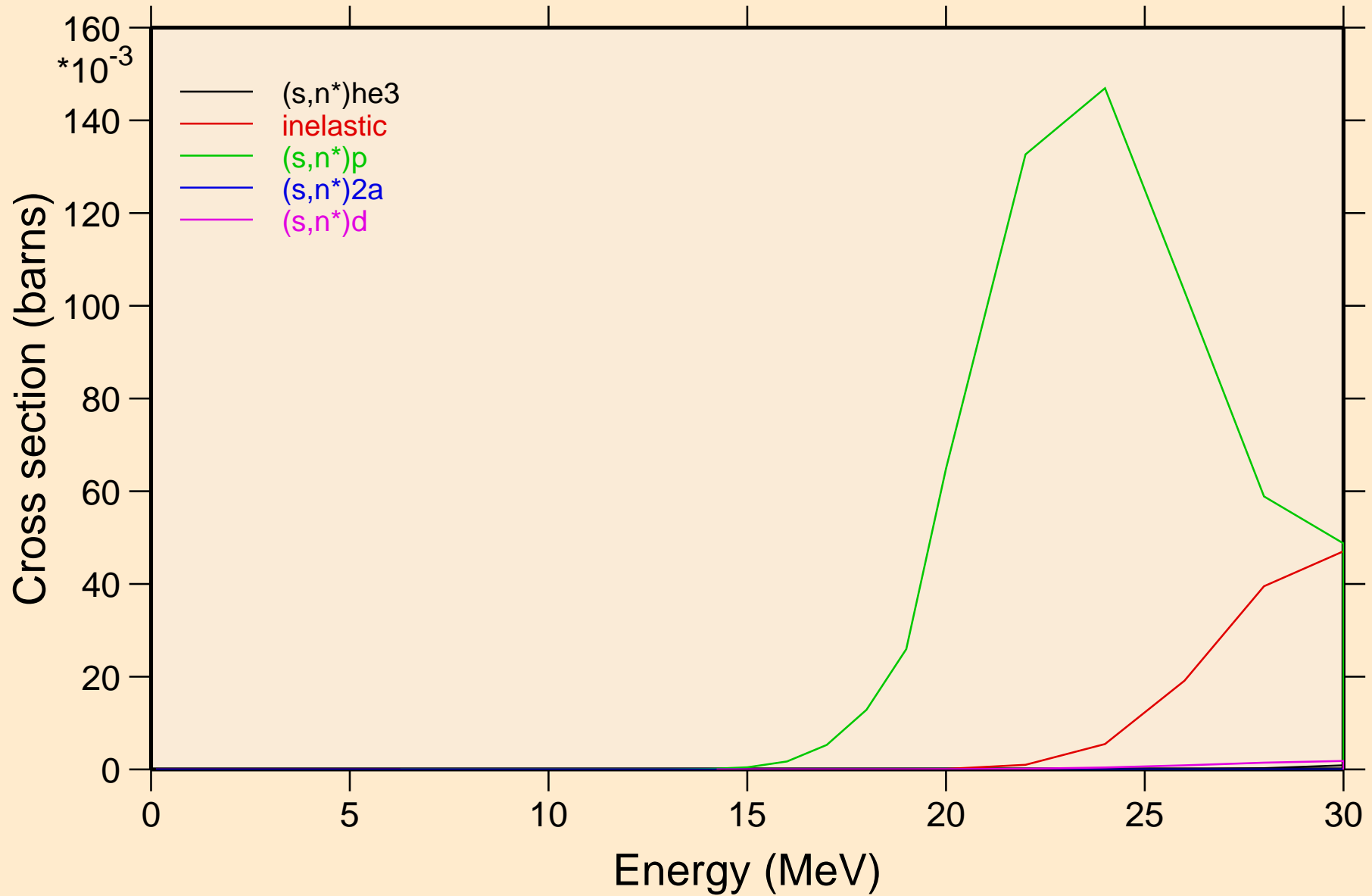
GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



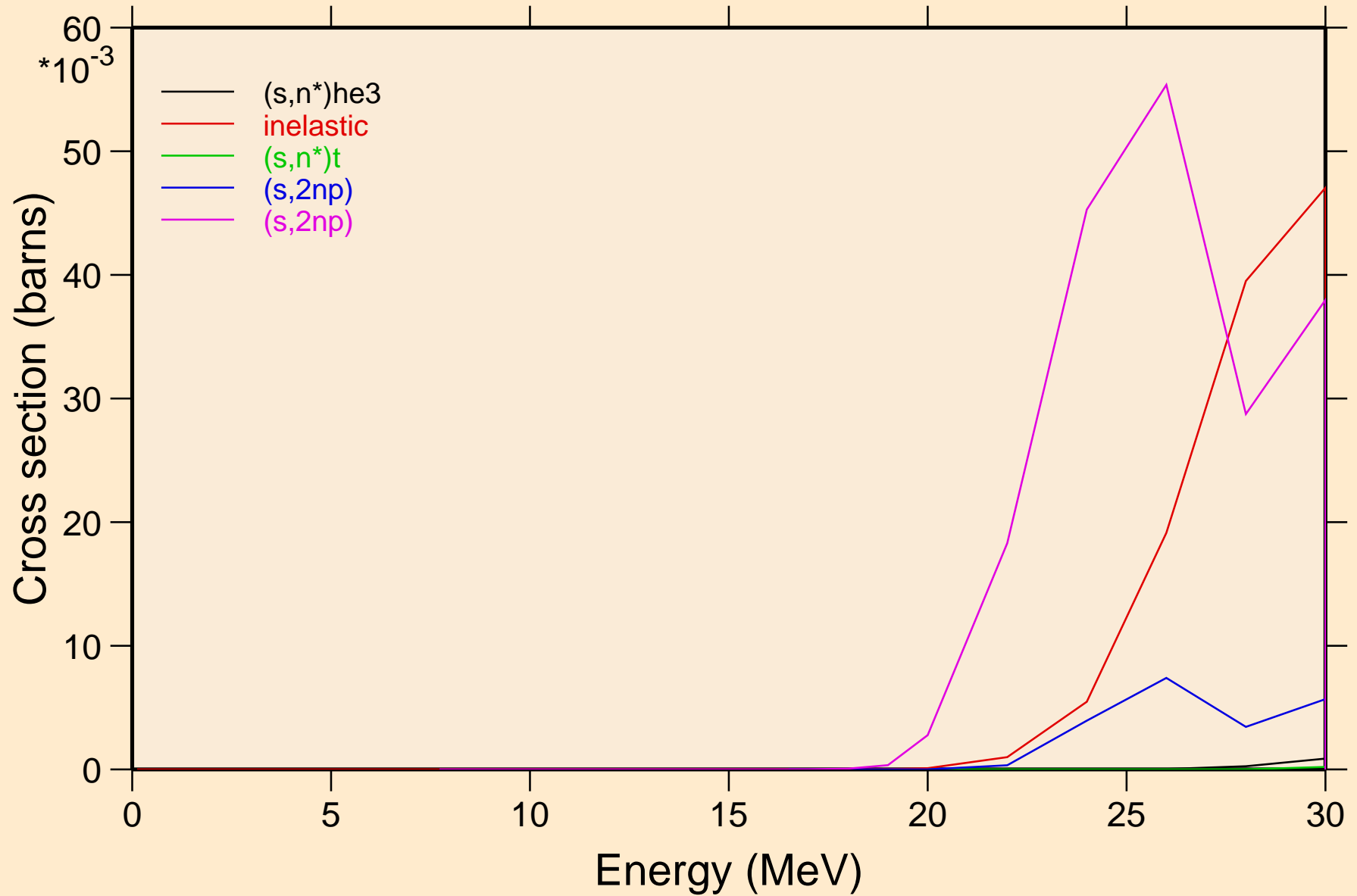
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Threshold reactions



GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

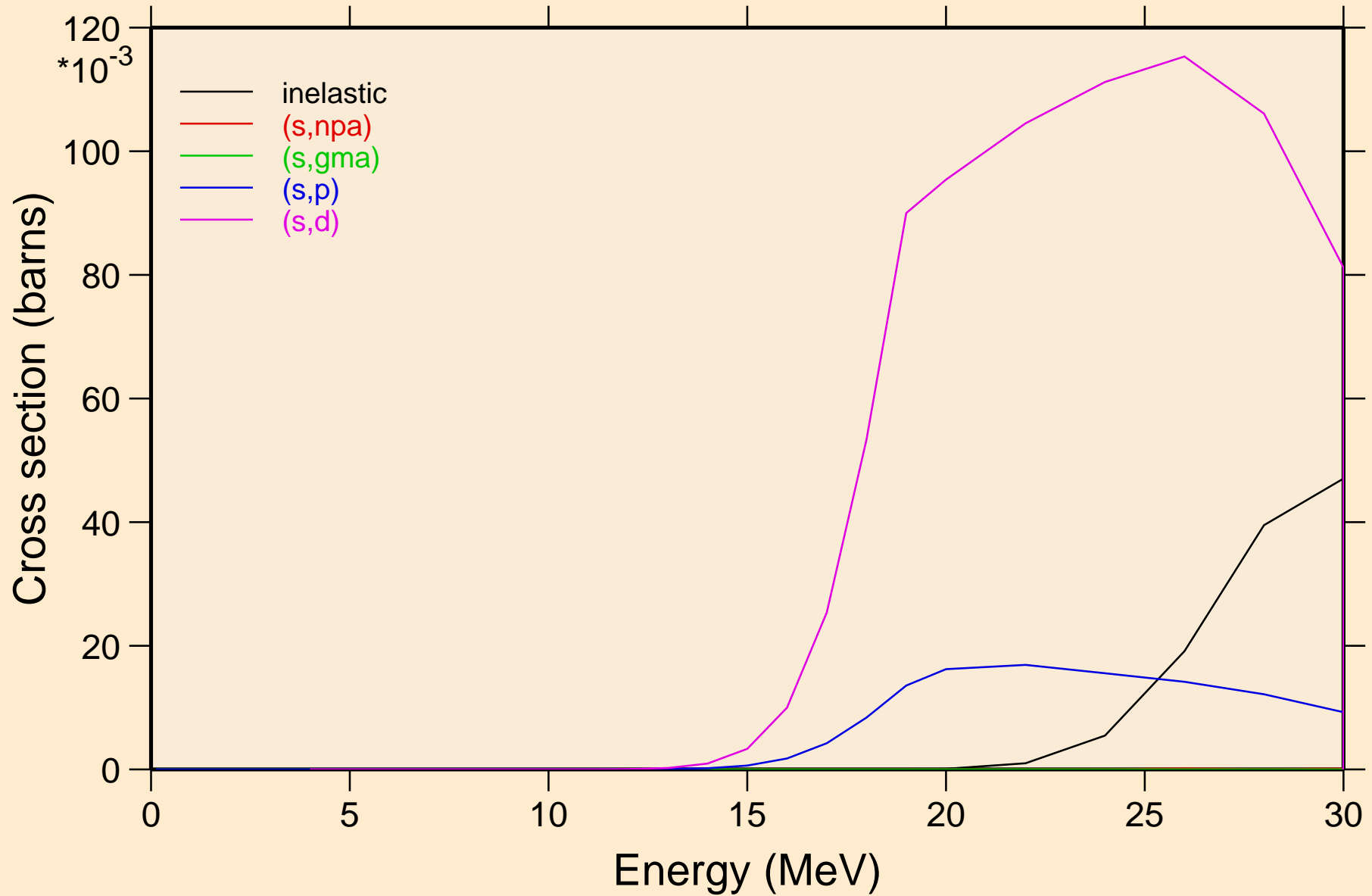


GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

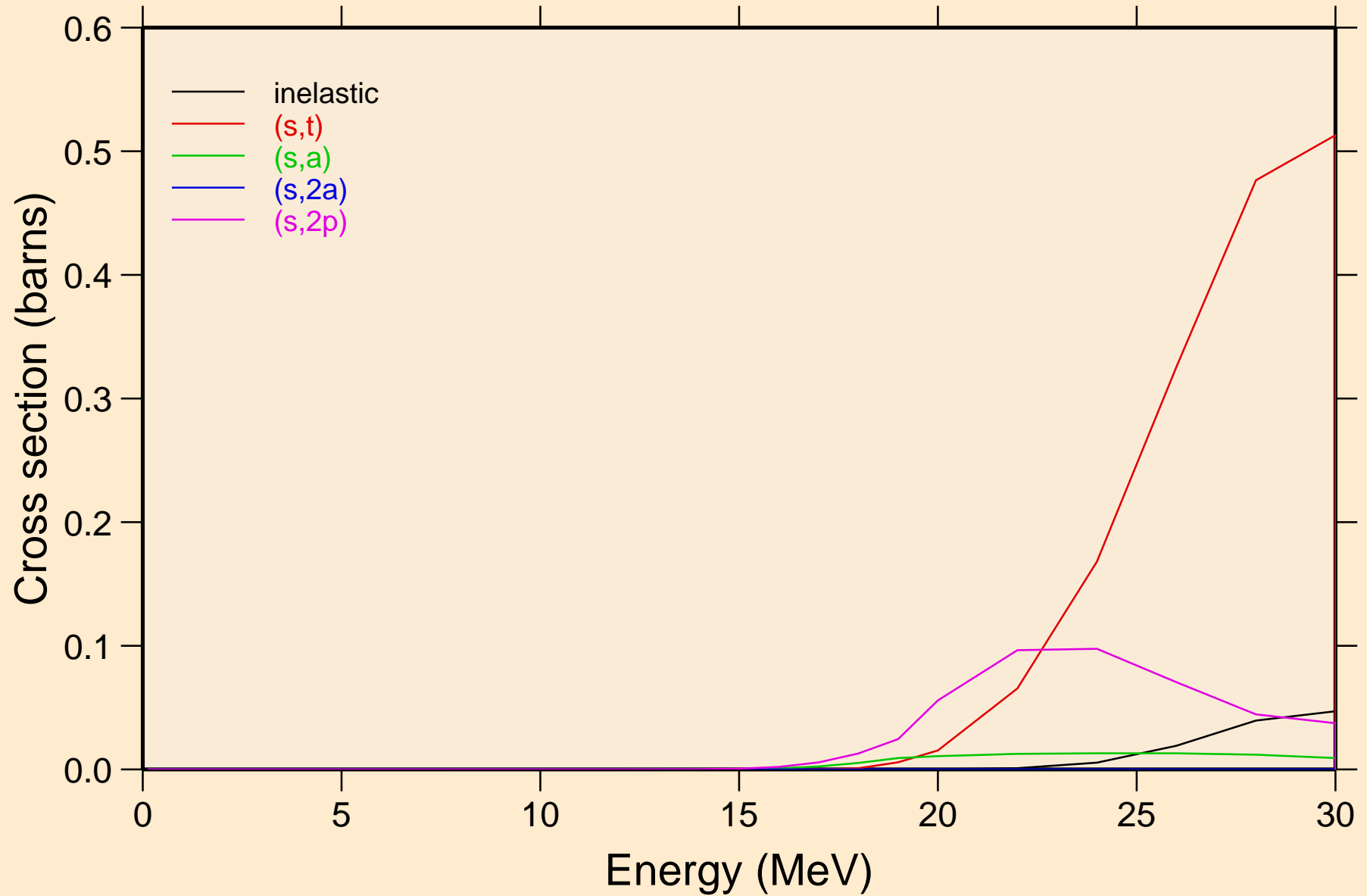




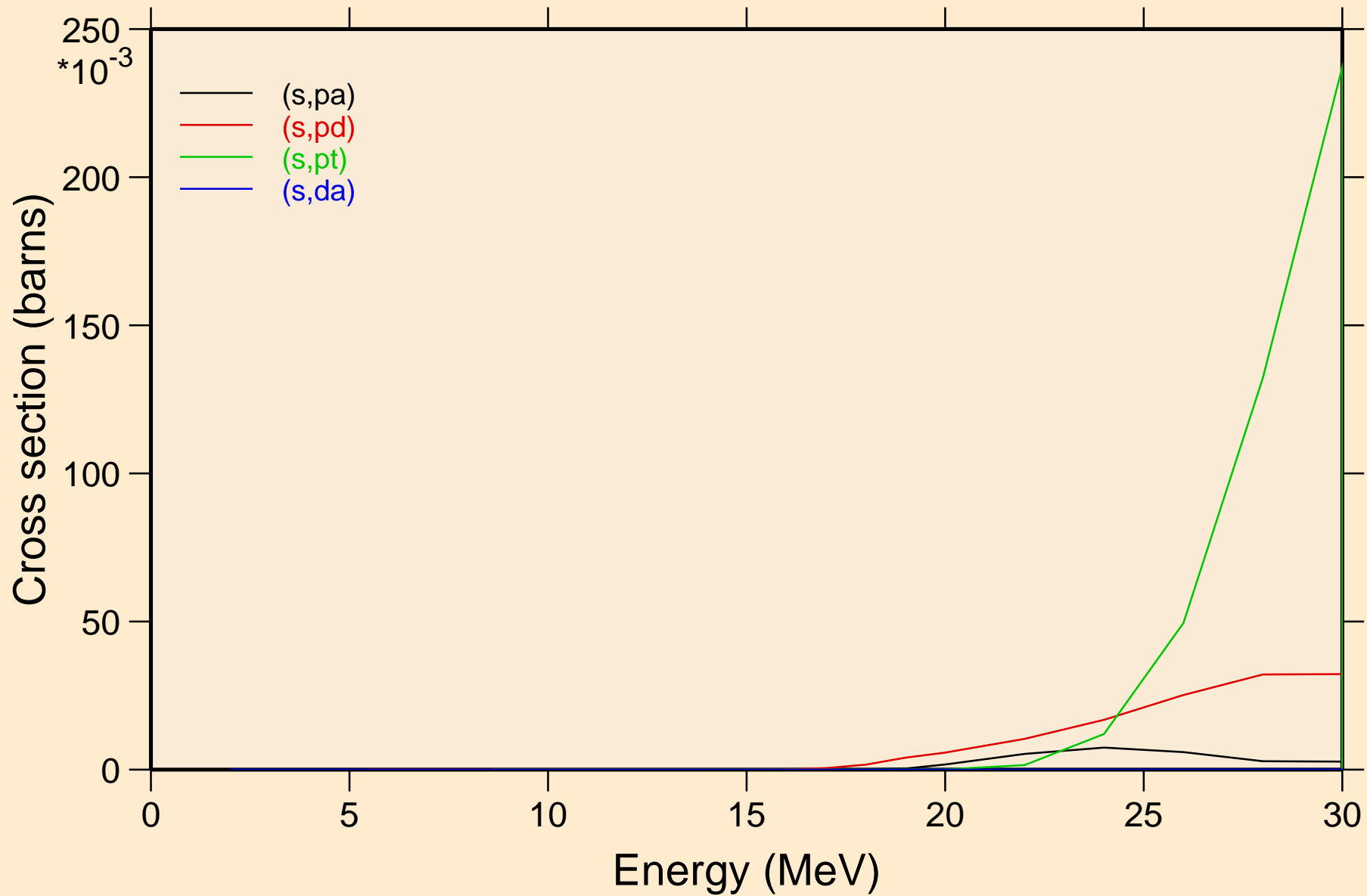
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Threshold reactions



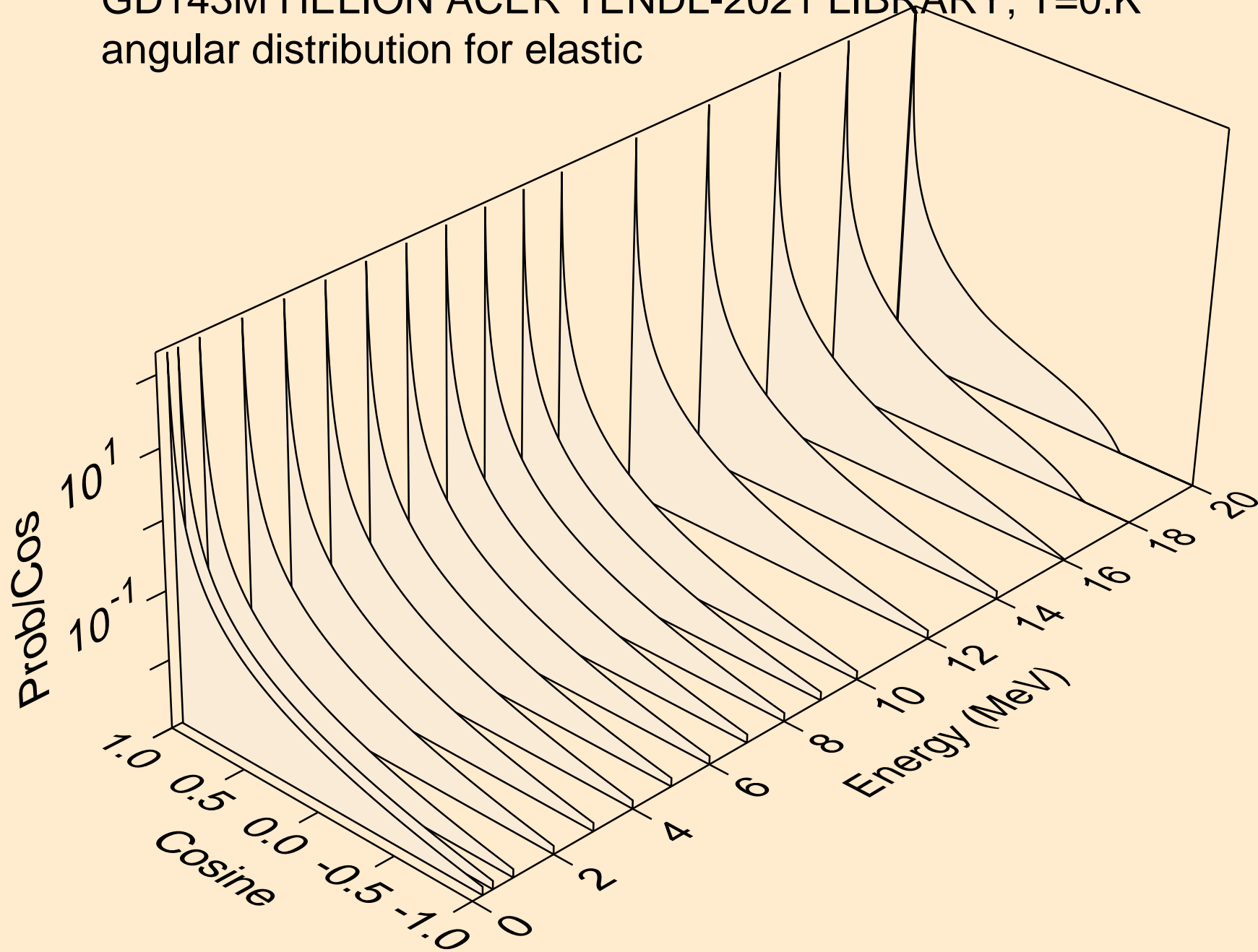
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Threshold reactions



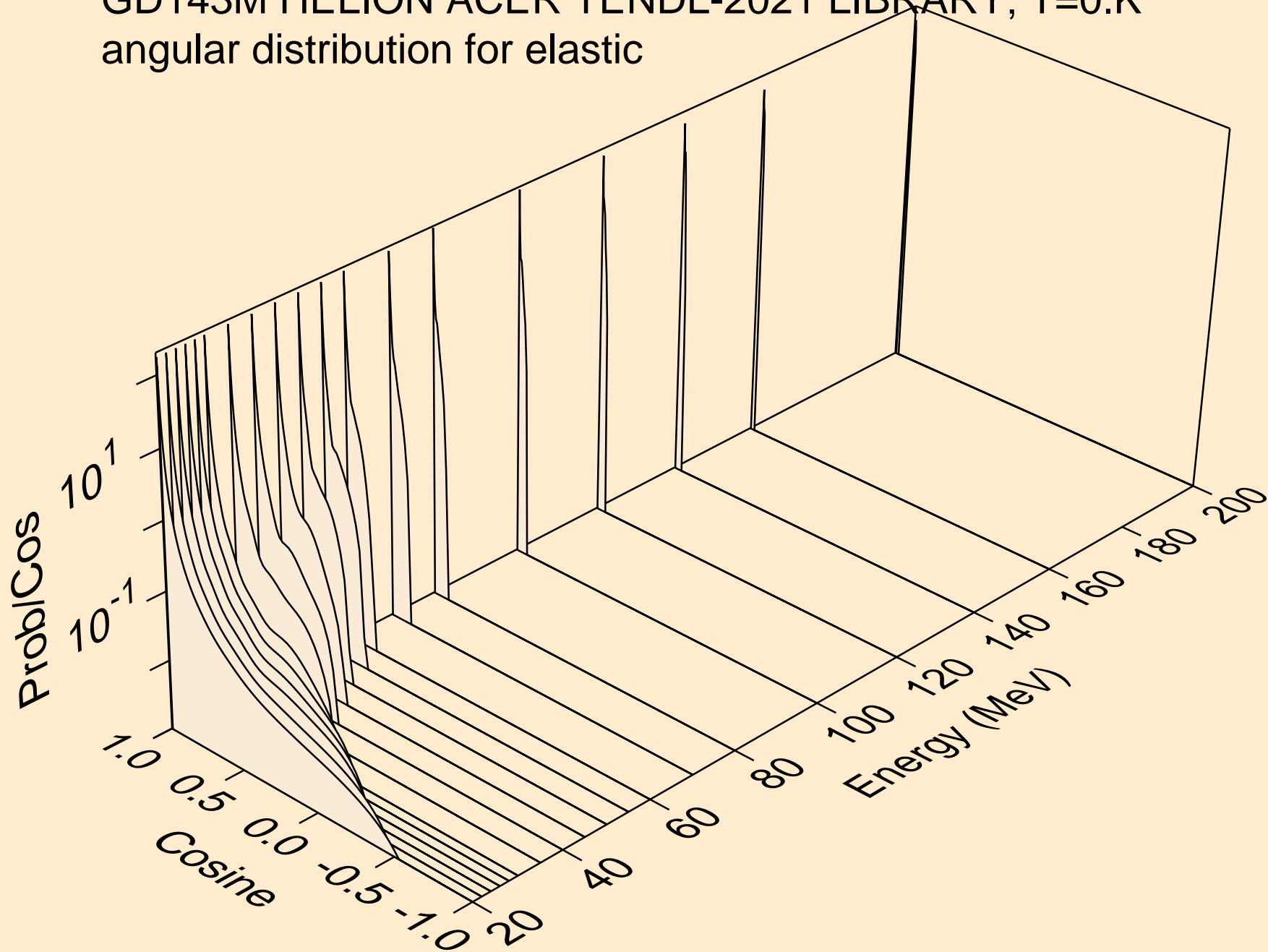
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Threshold reactions



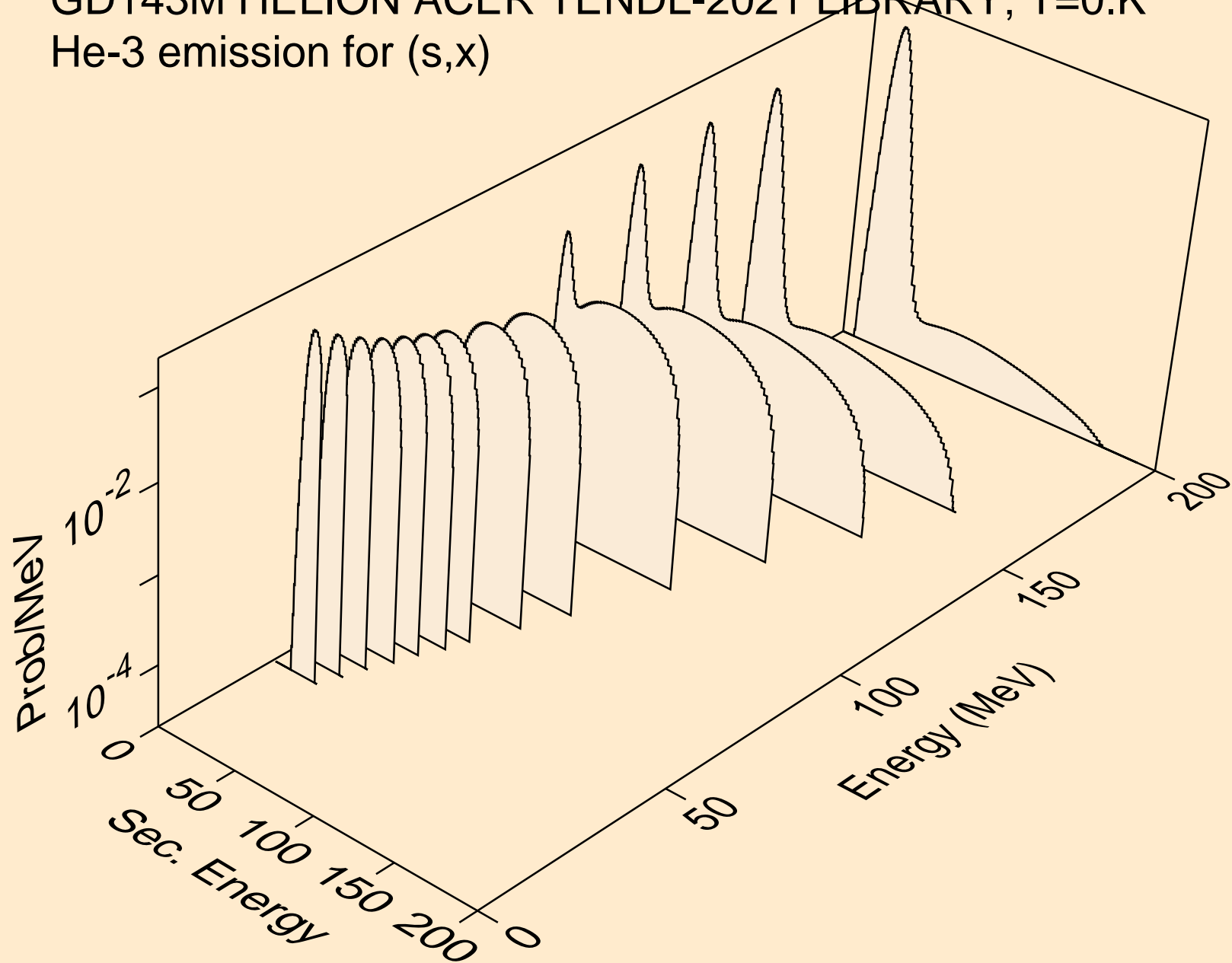
GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



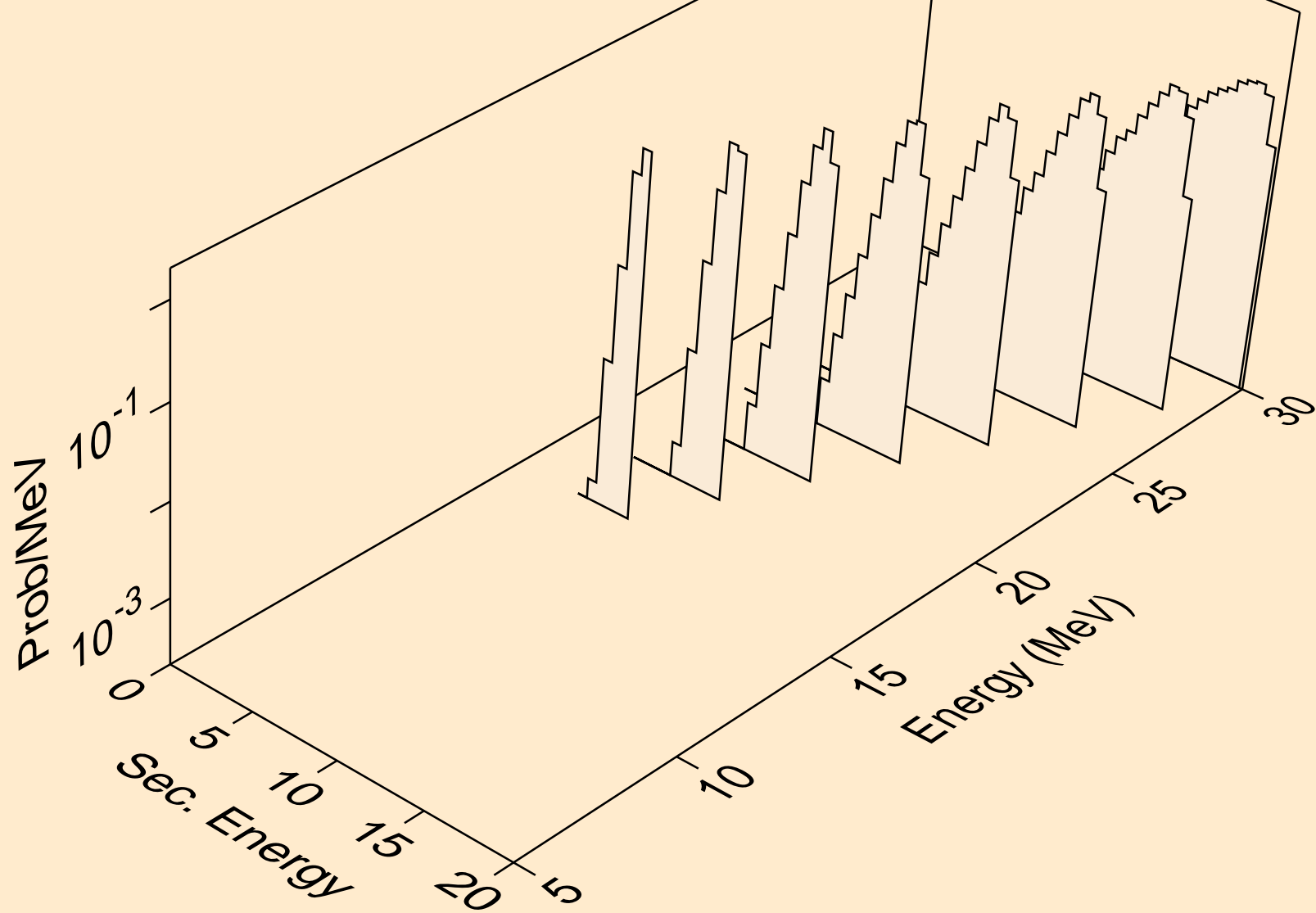
GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



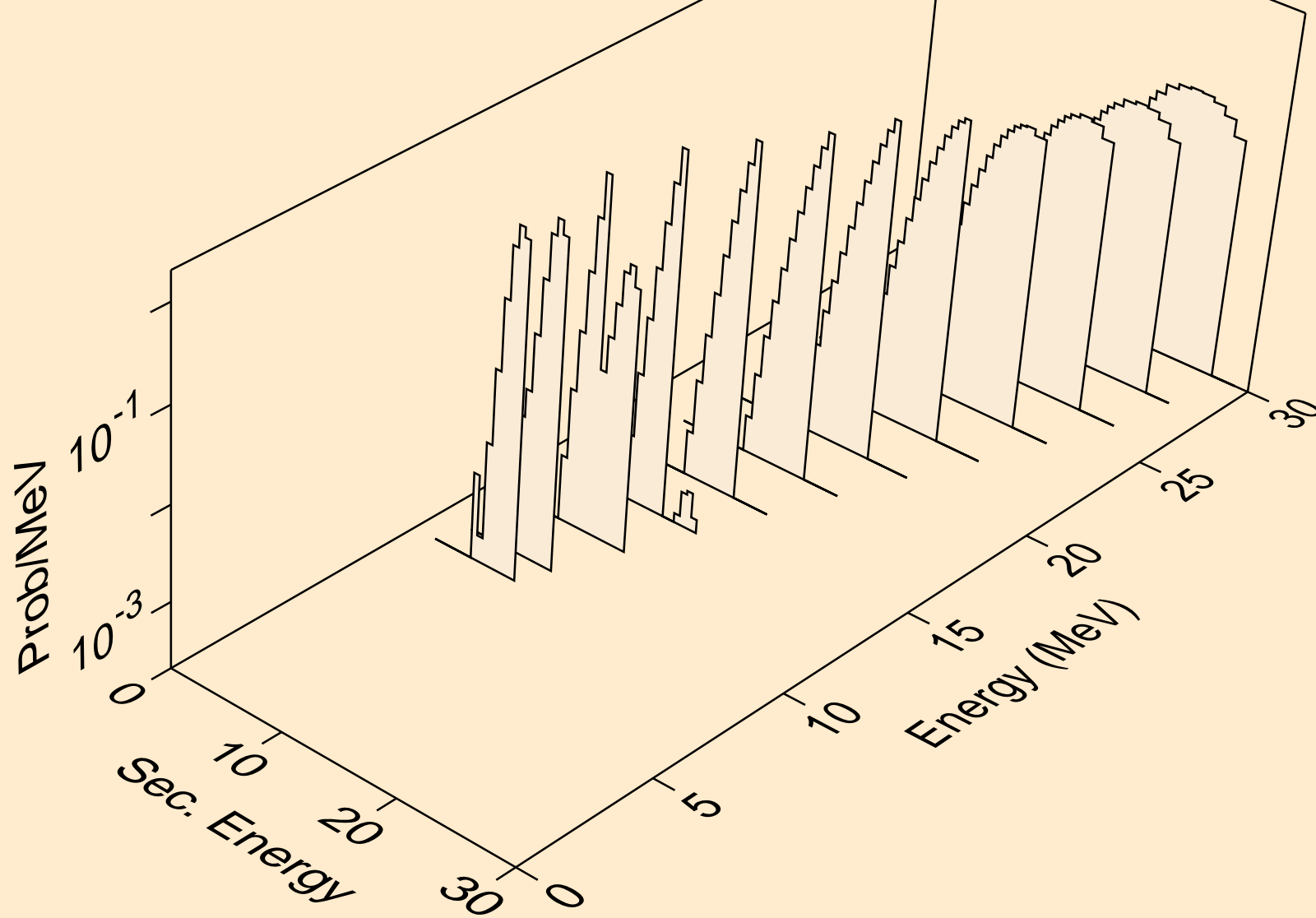
GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,x)



GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

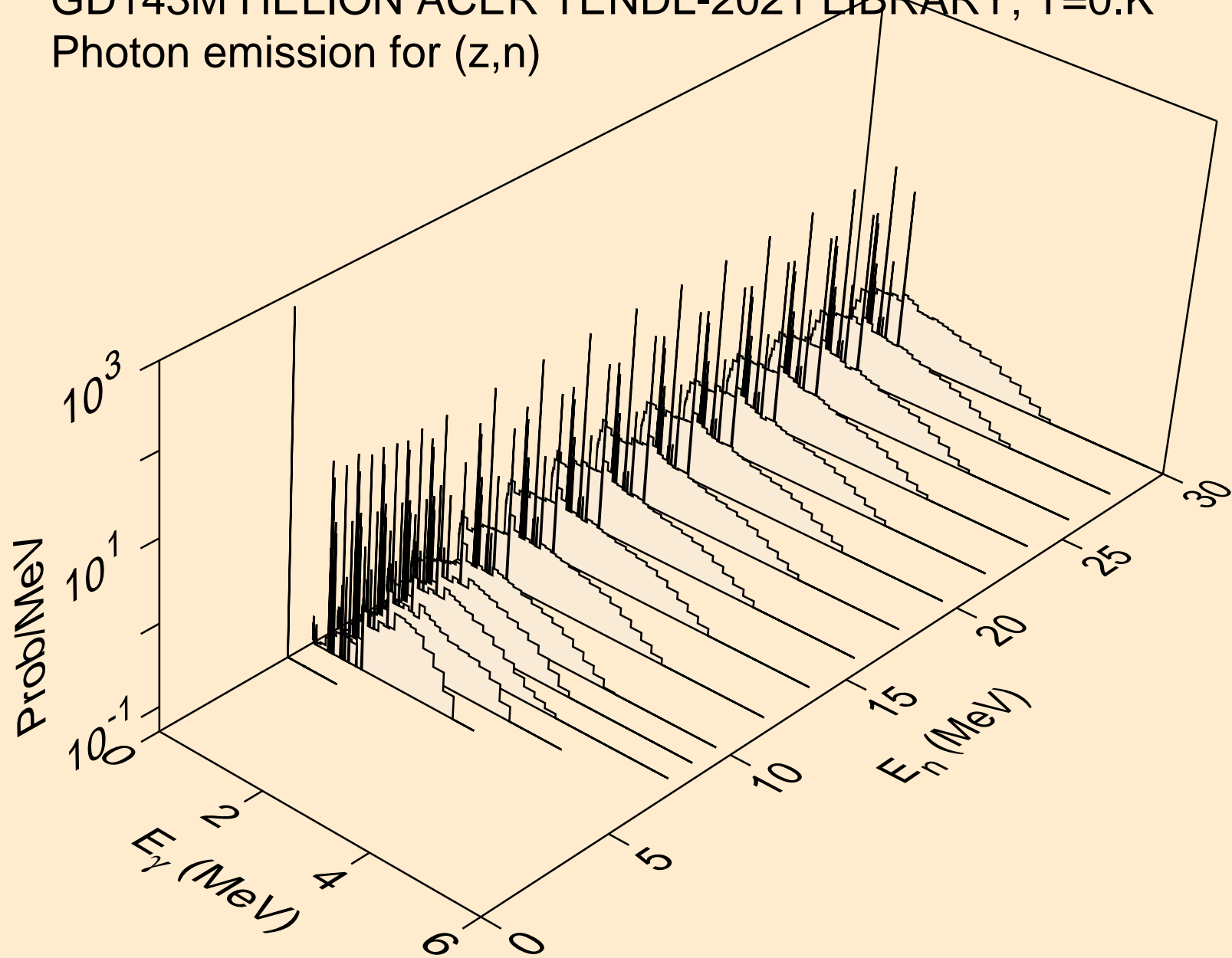


GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for inelastic

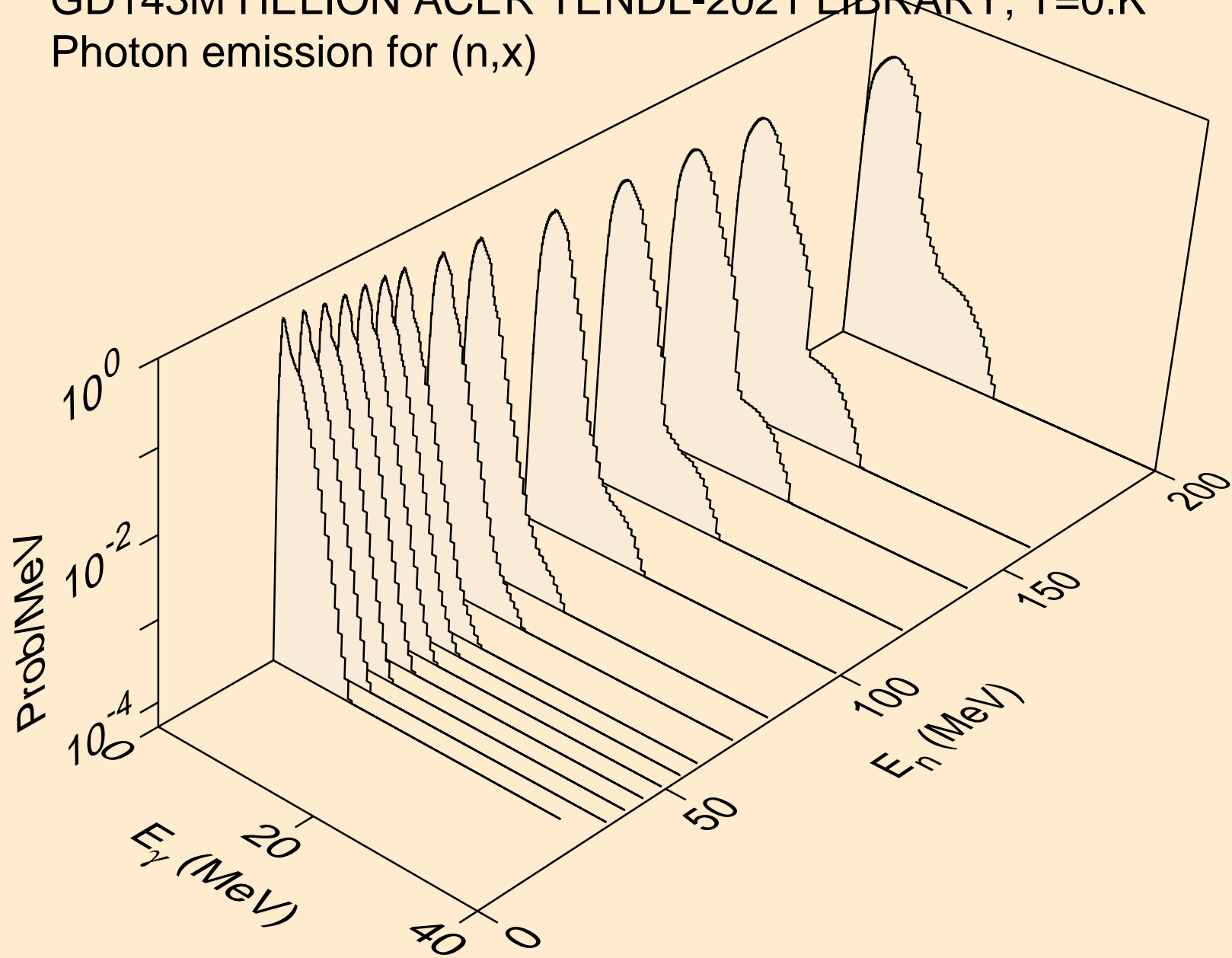




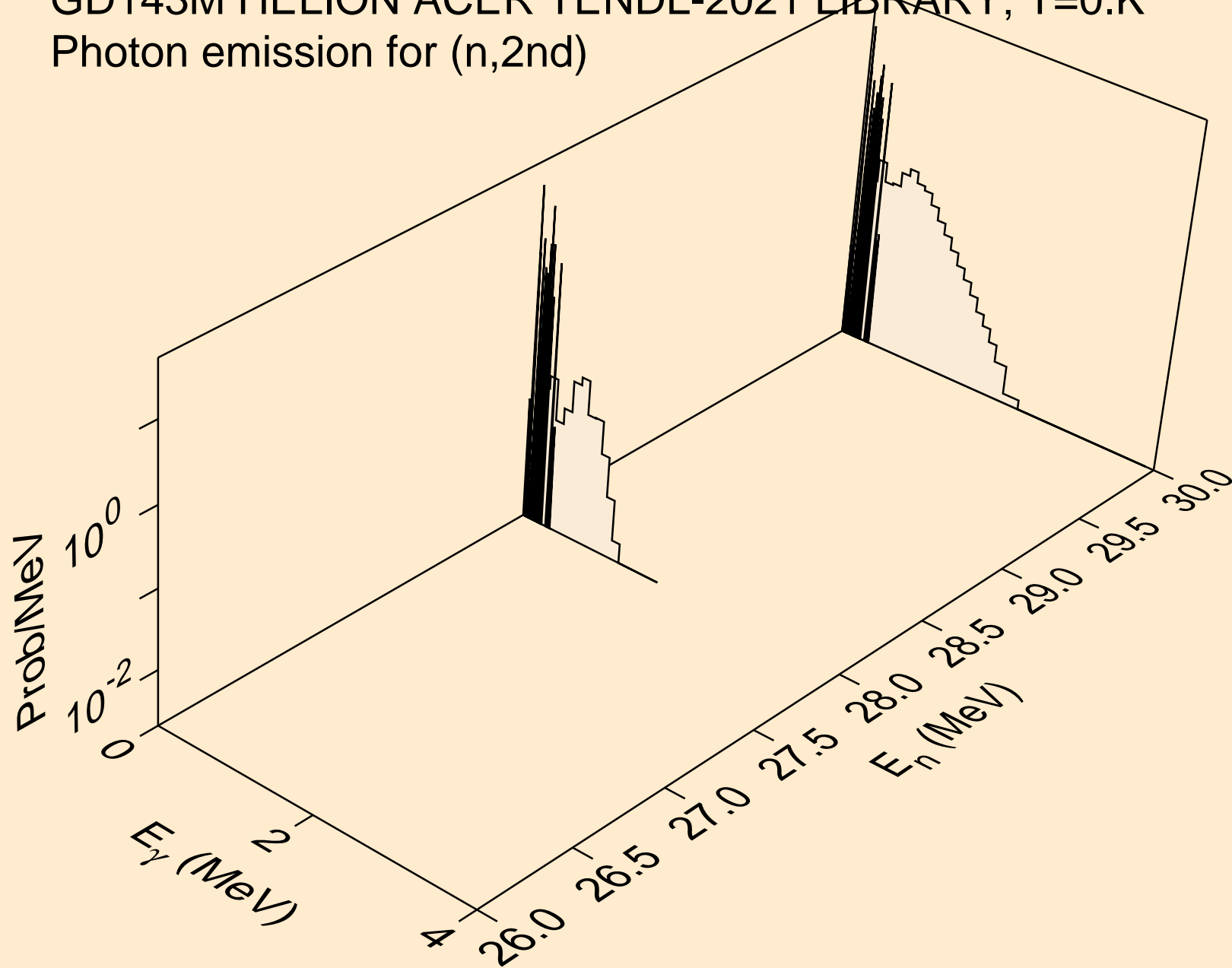
GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



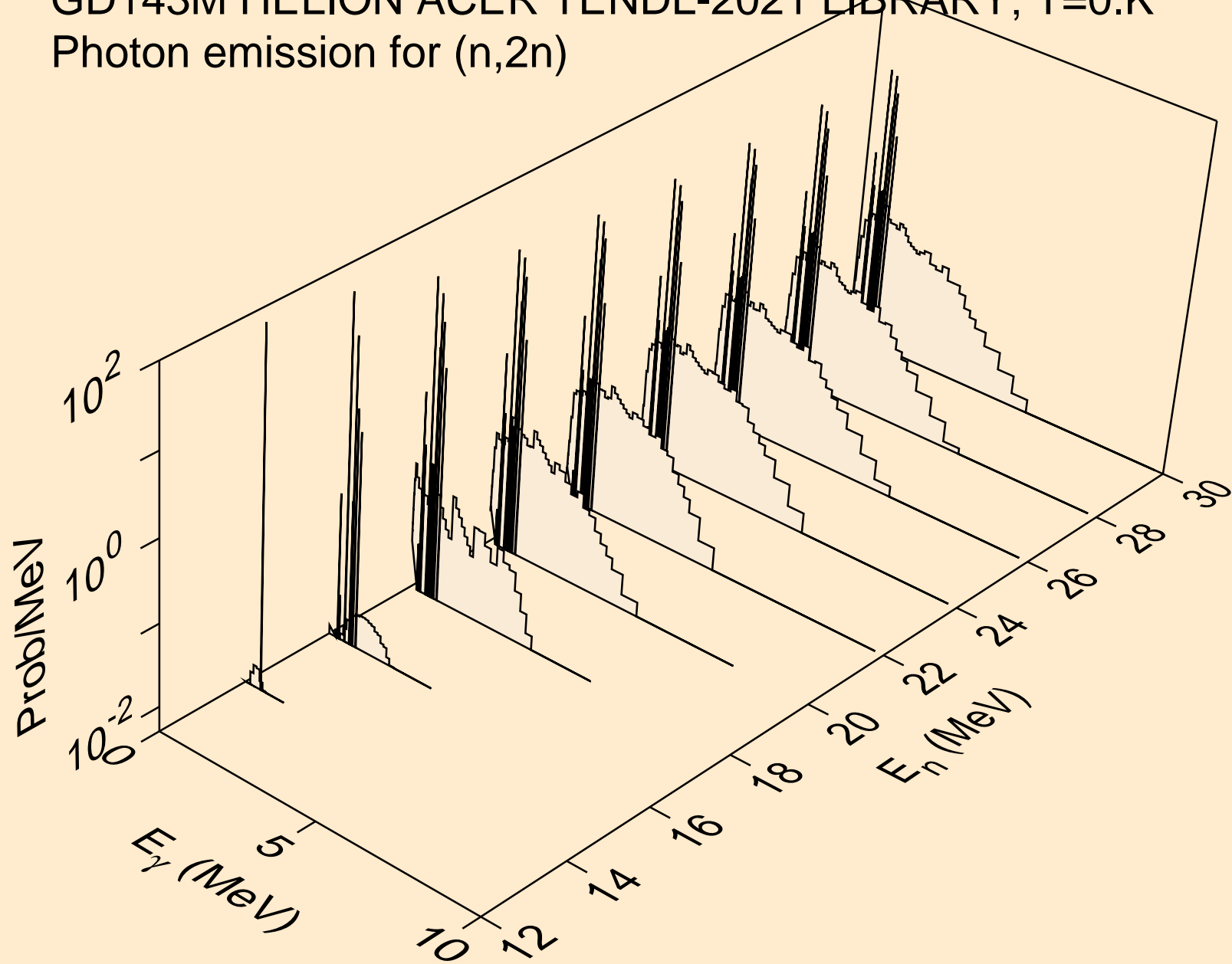
GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



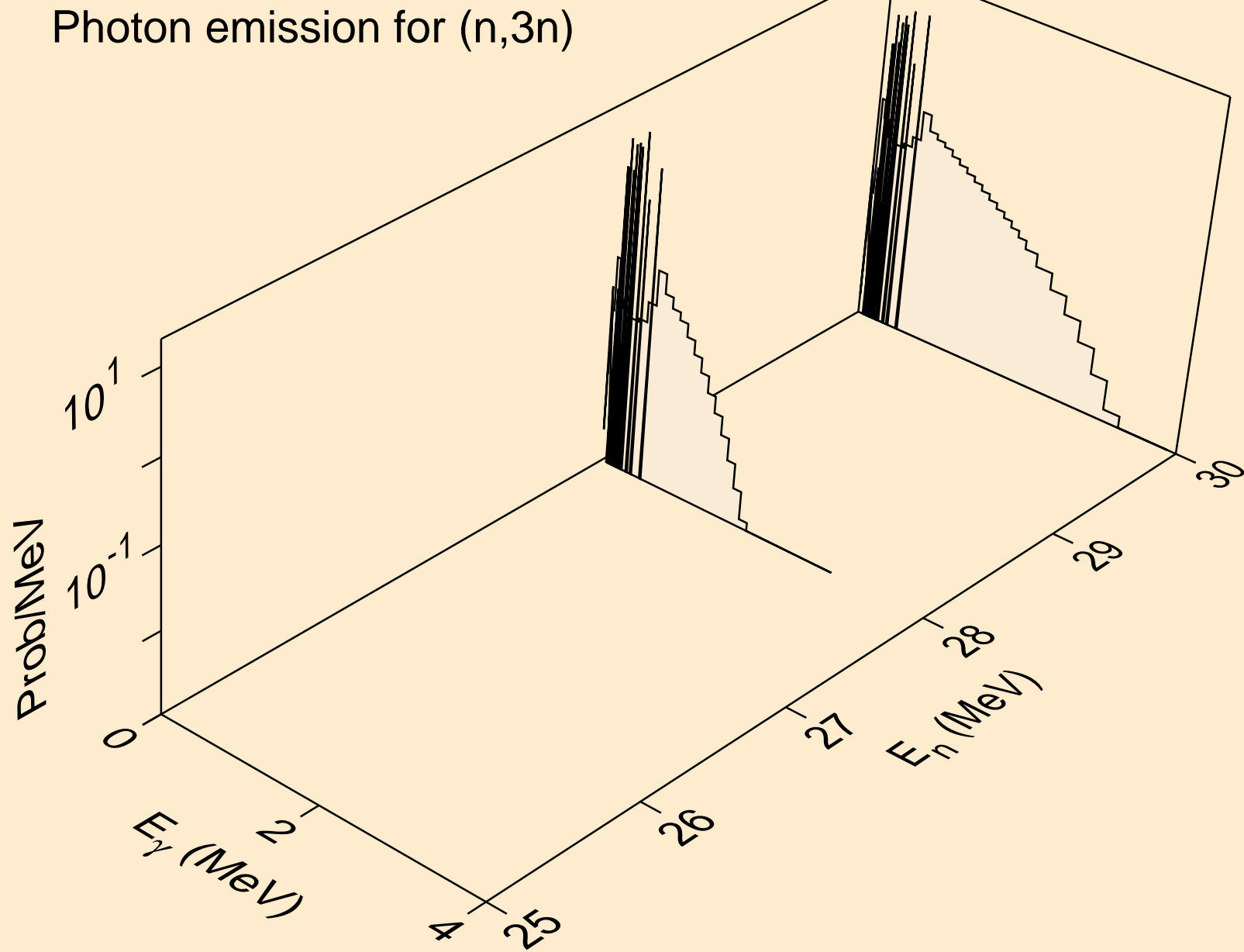
GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)



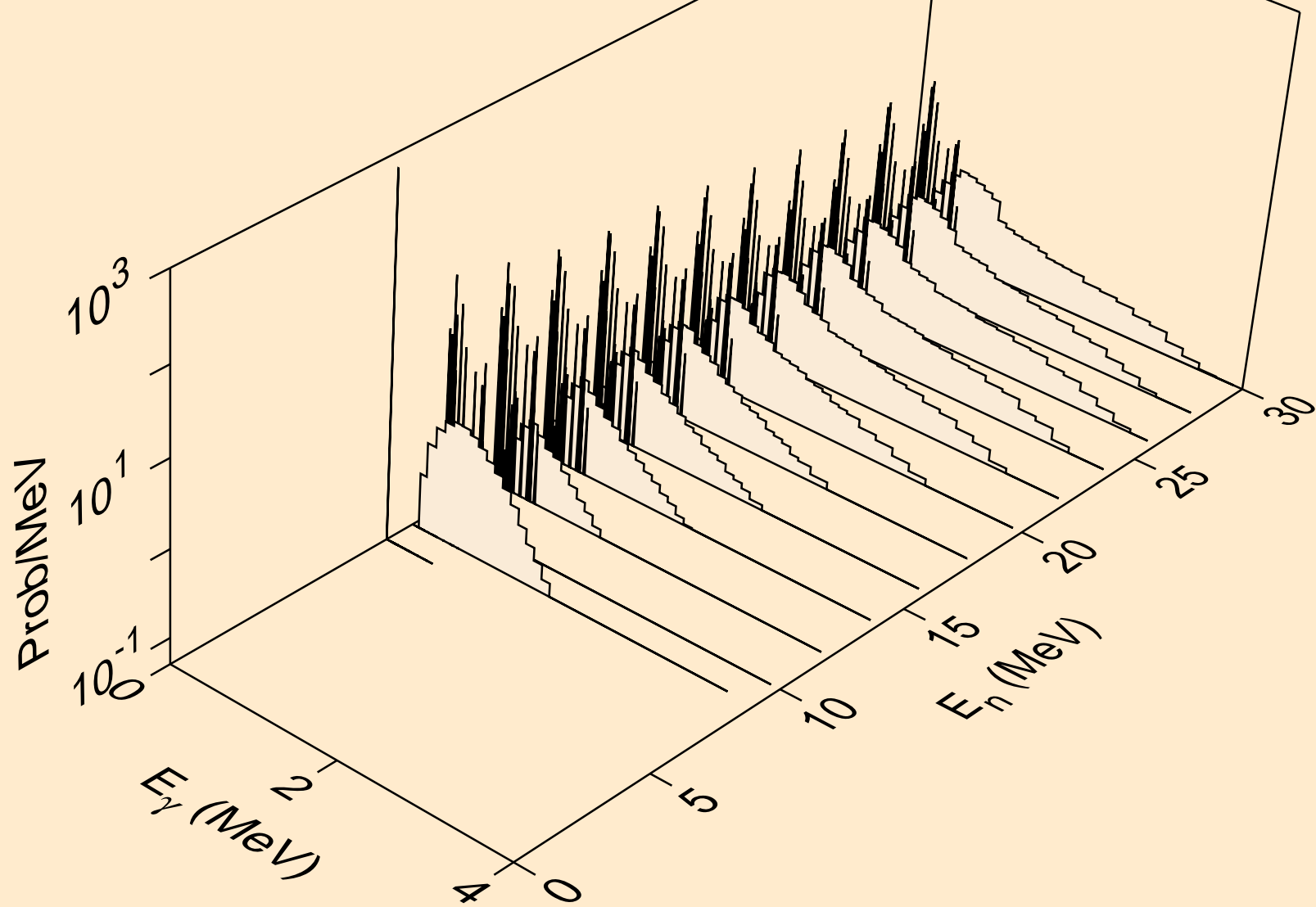
GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)



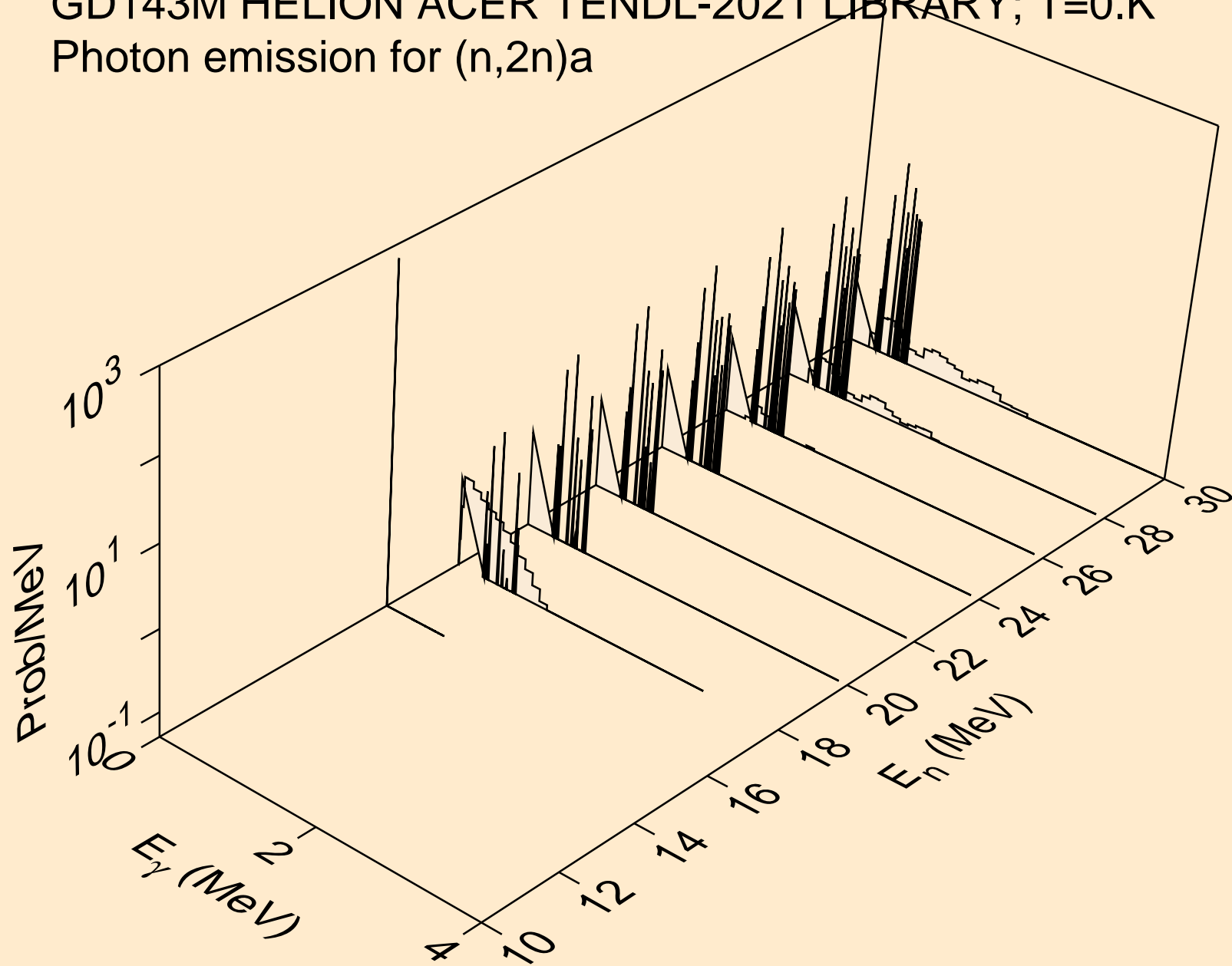
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Photon emission for (n,3n)



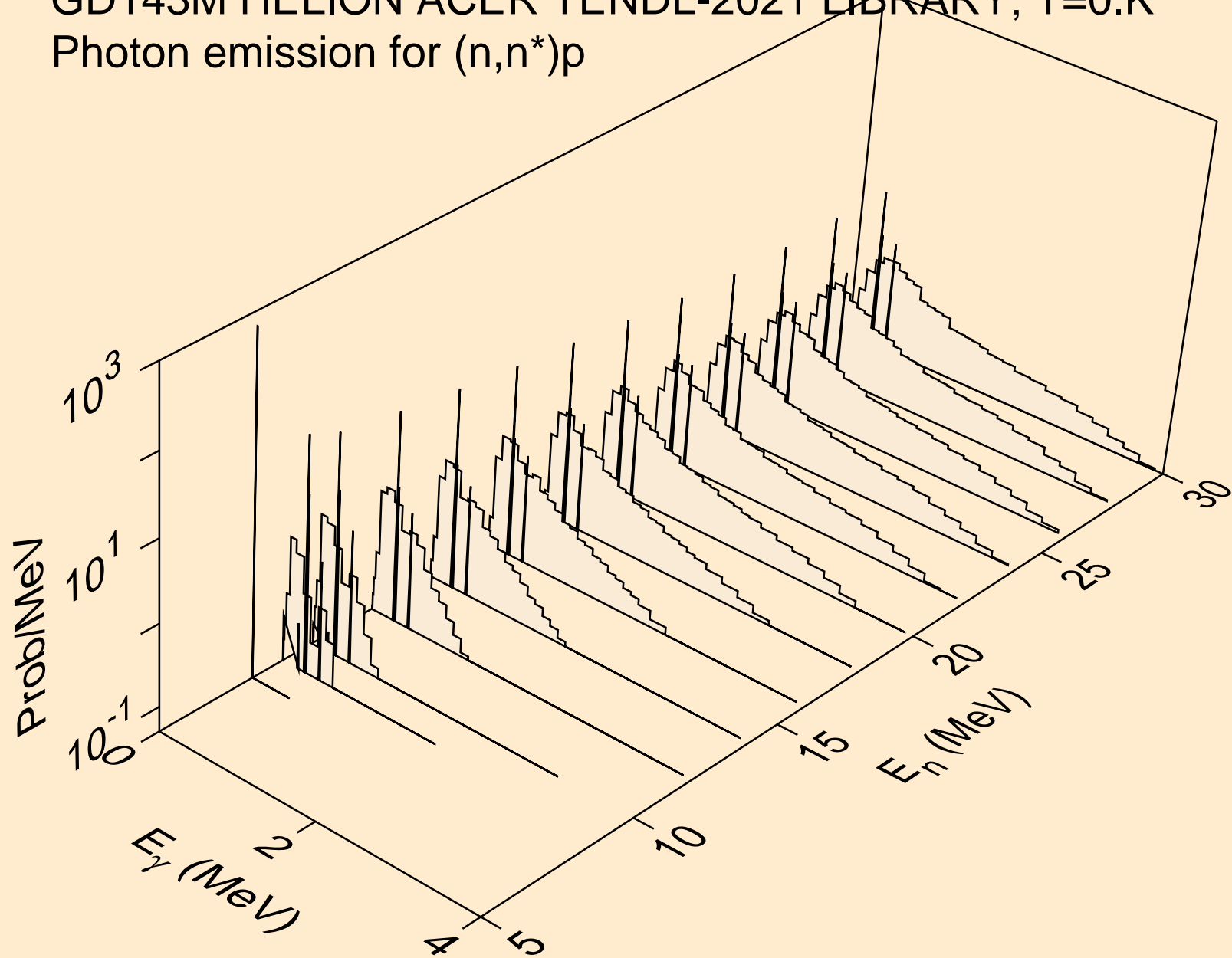
GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)a

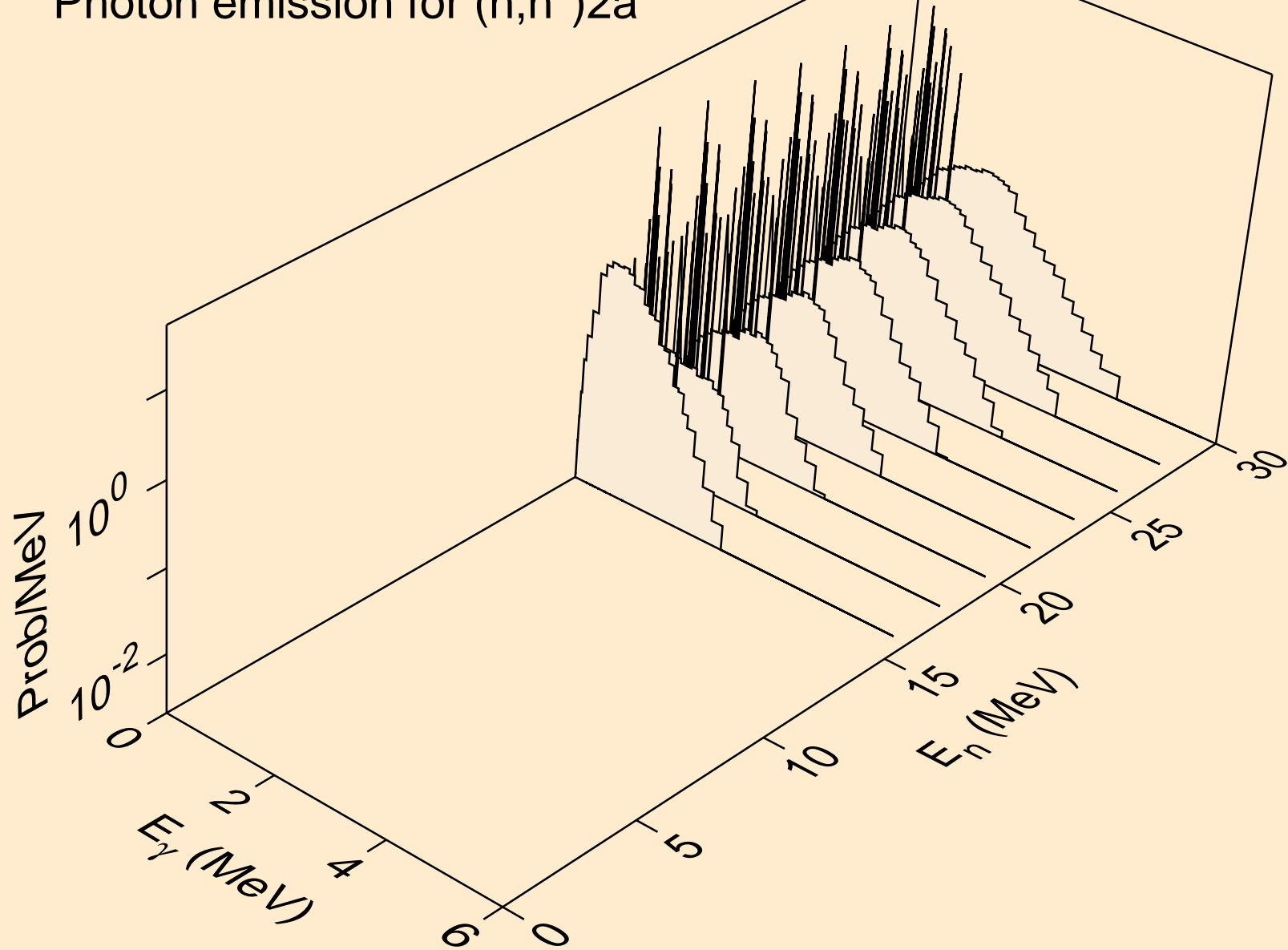


GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

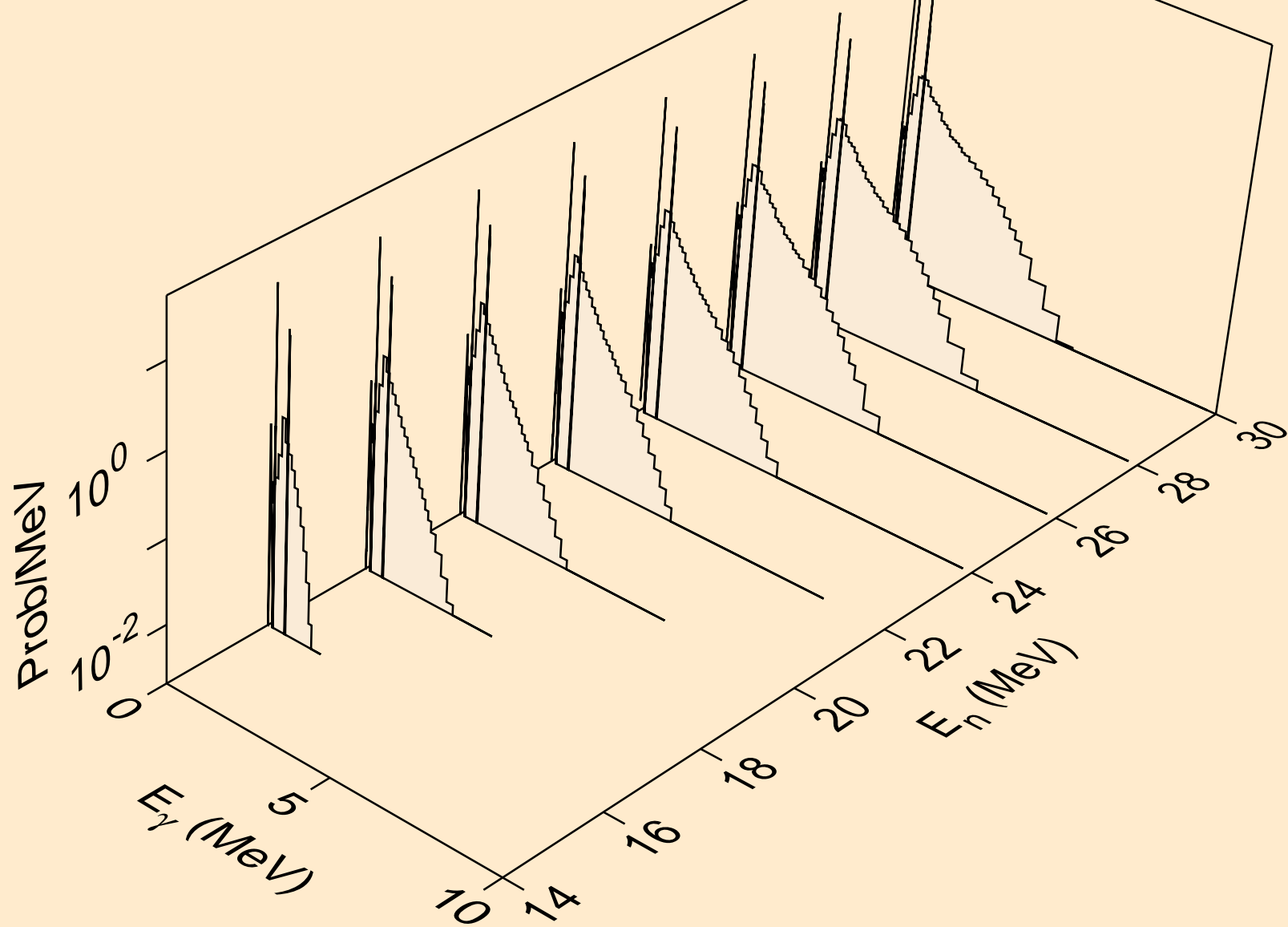




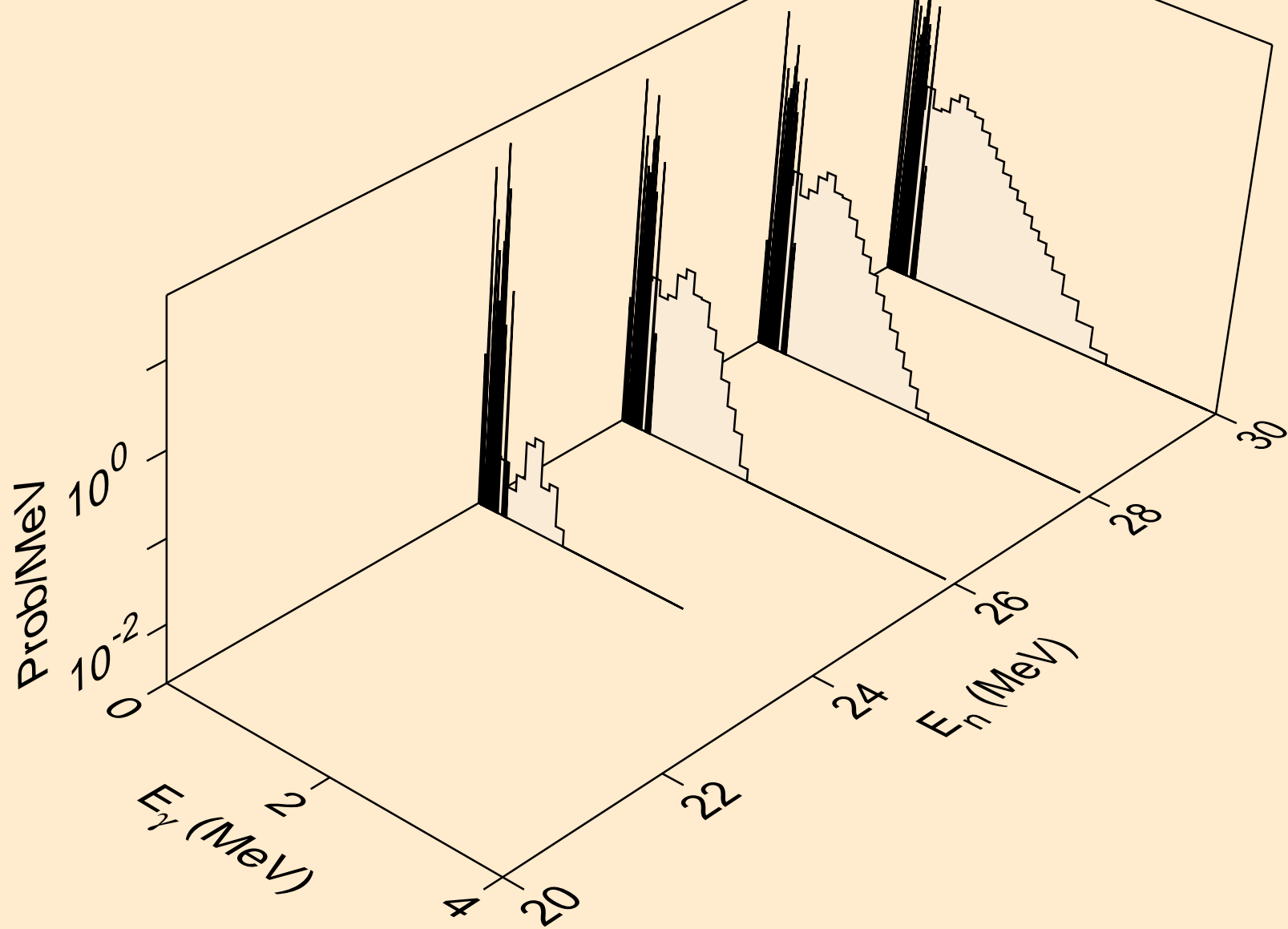
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Photon emission for (n,n\*)2a



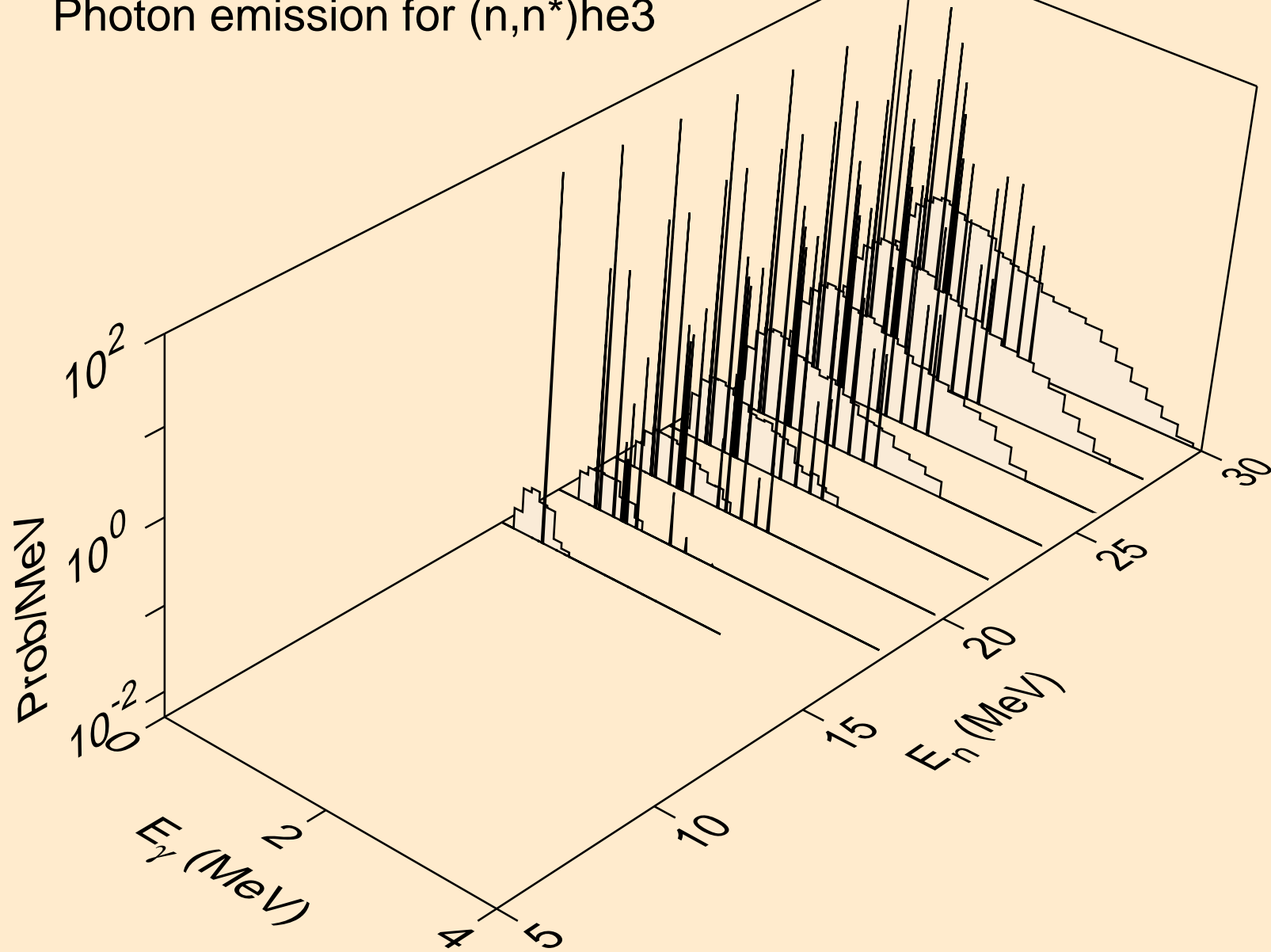
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Photon emission for (n,n\*)d



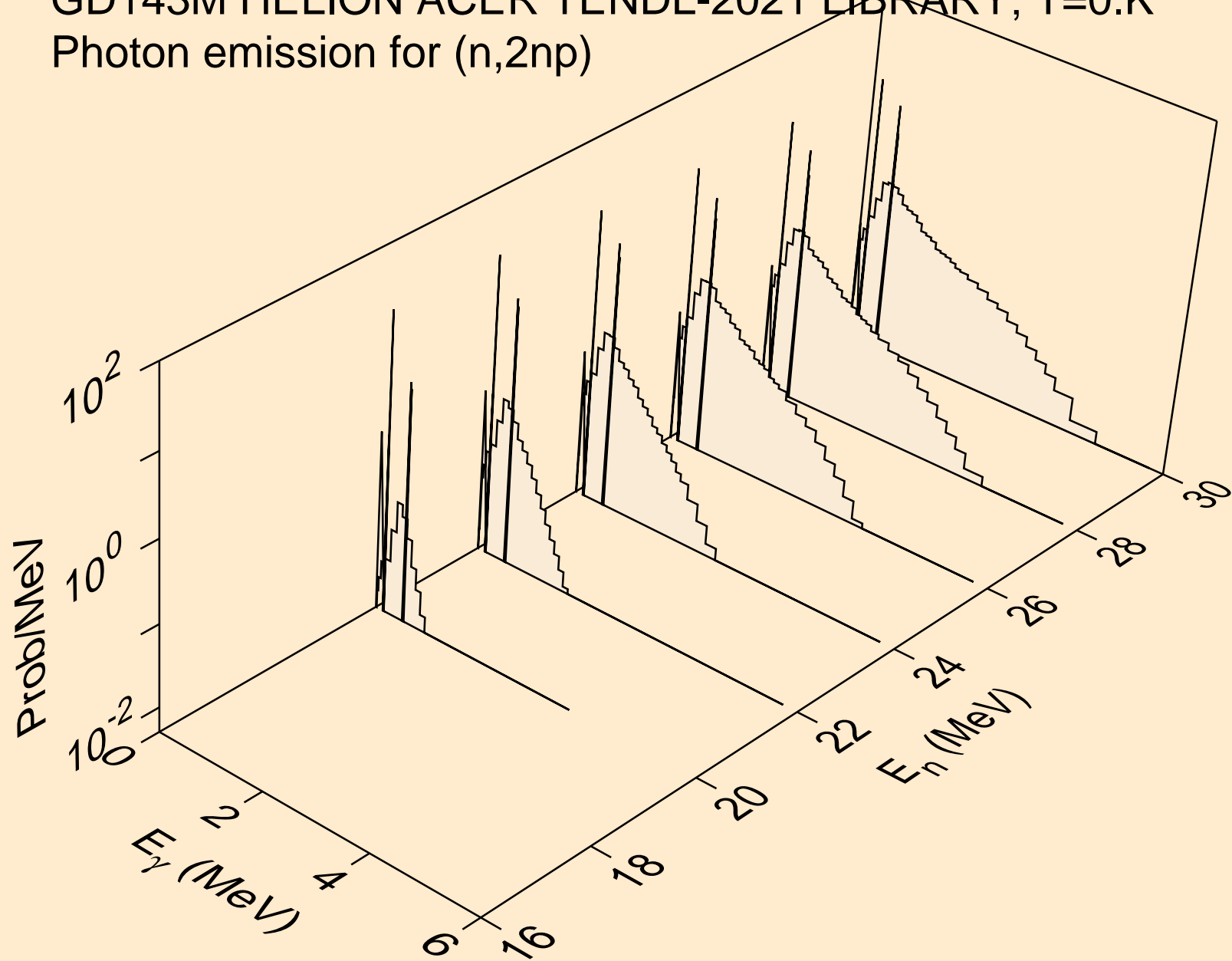
GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



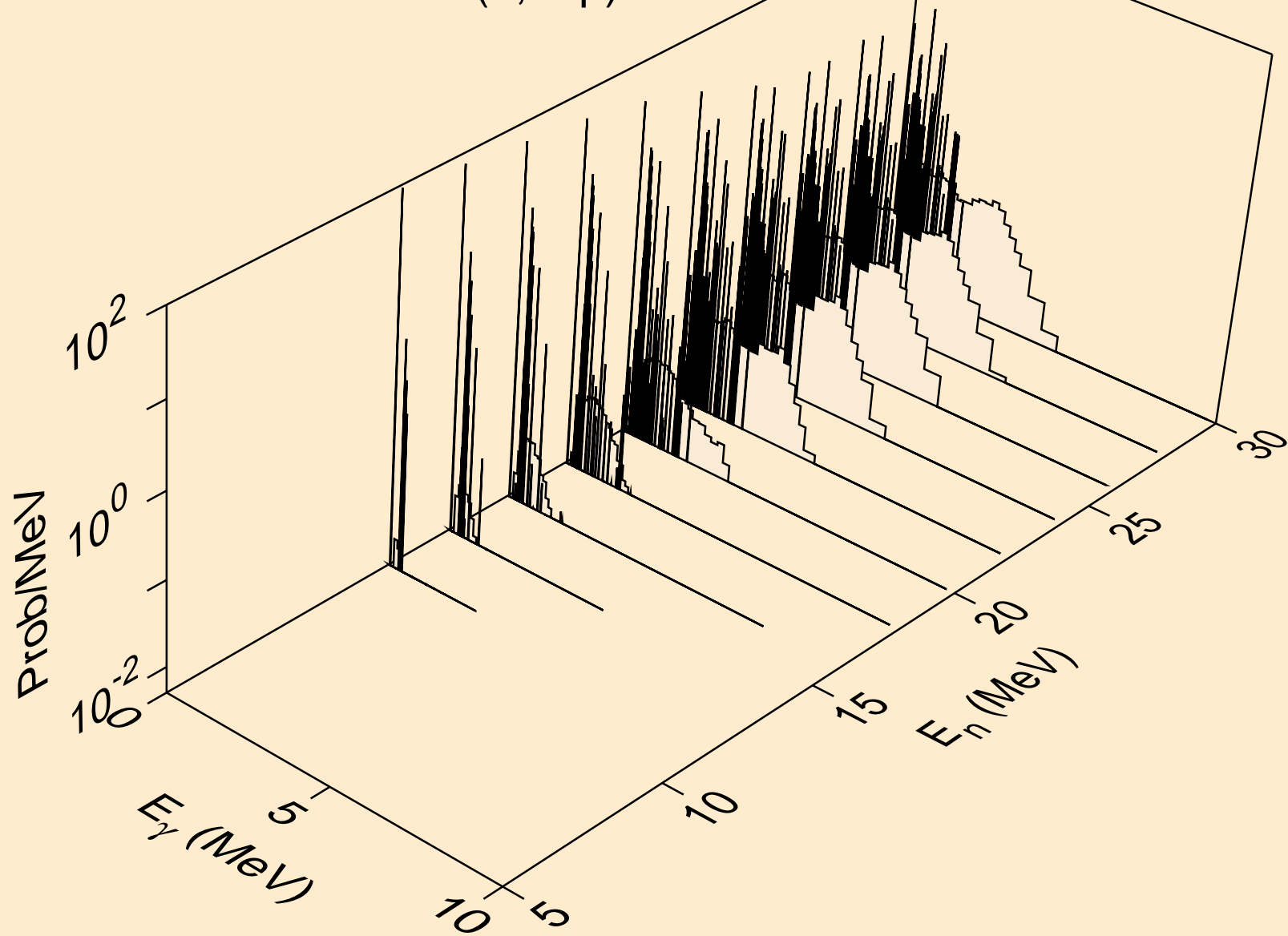
GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



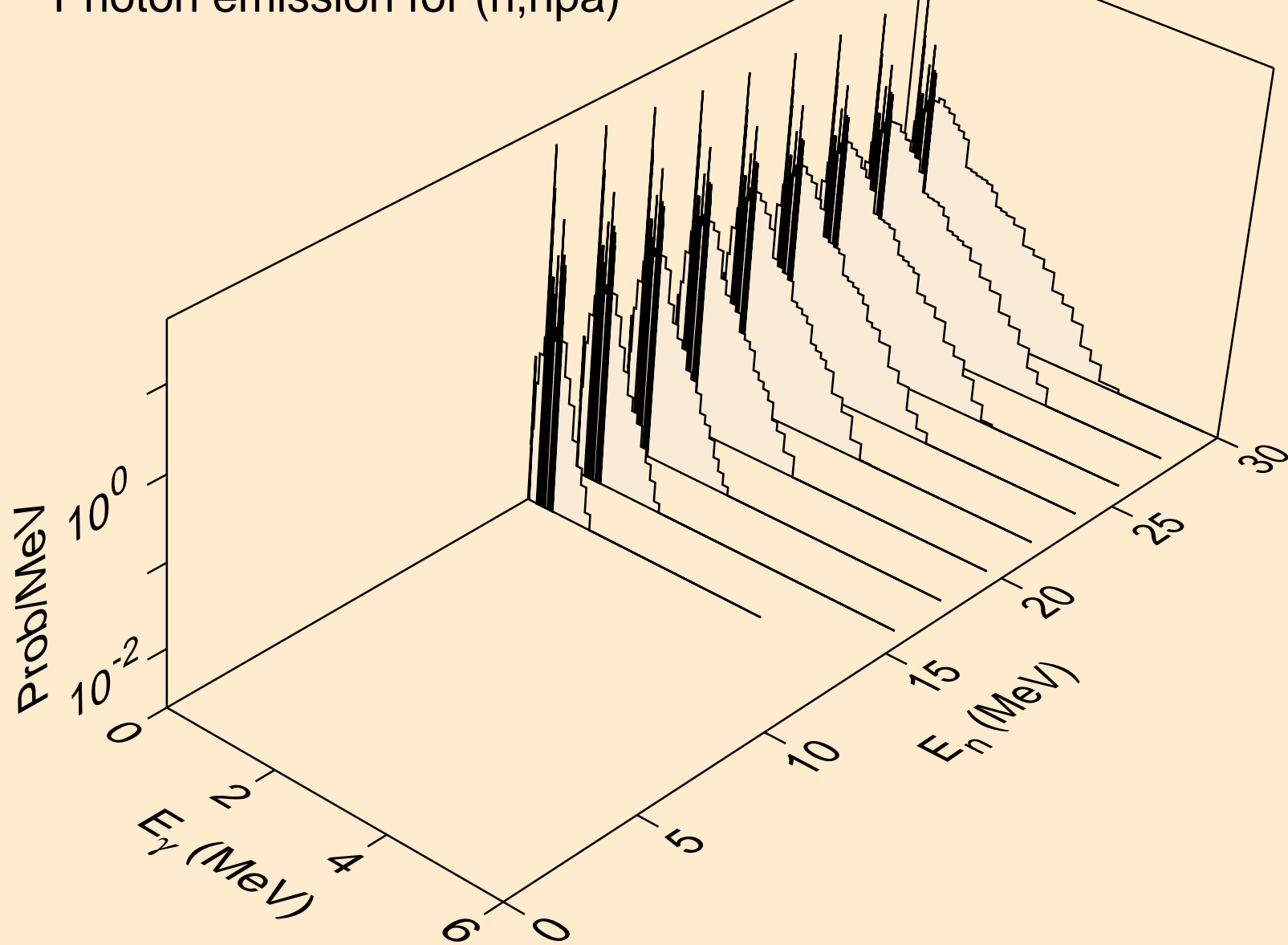
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Photon emission for (n,2np)



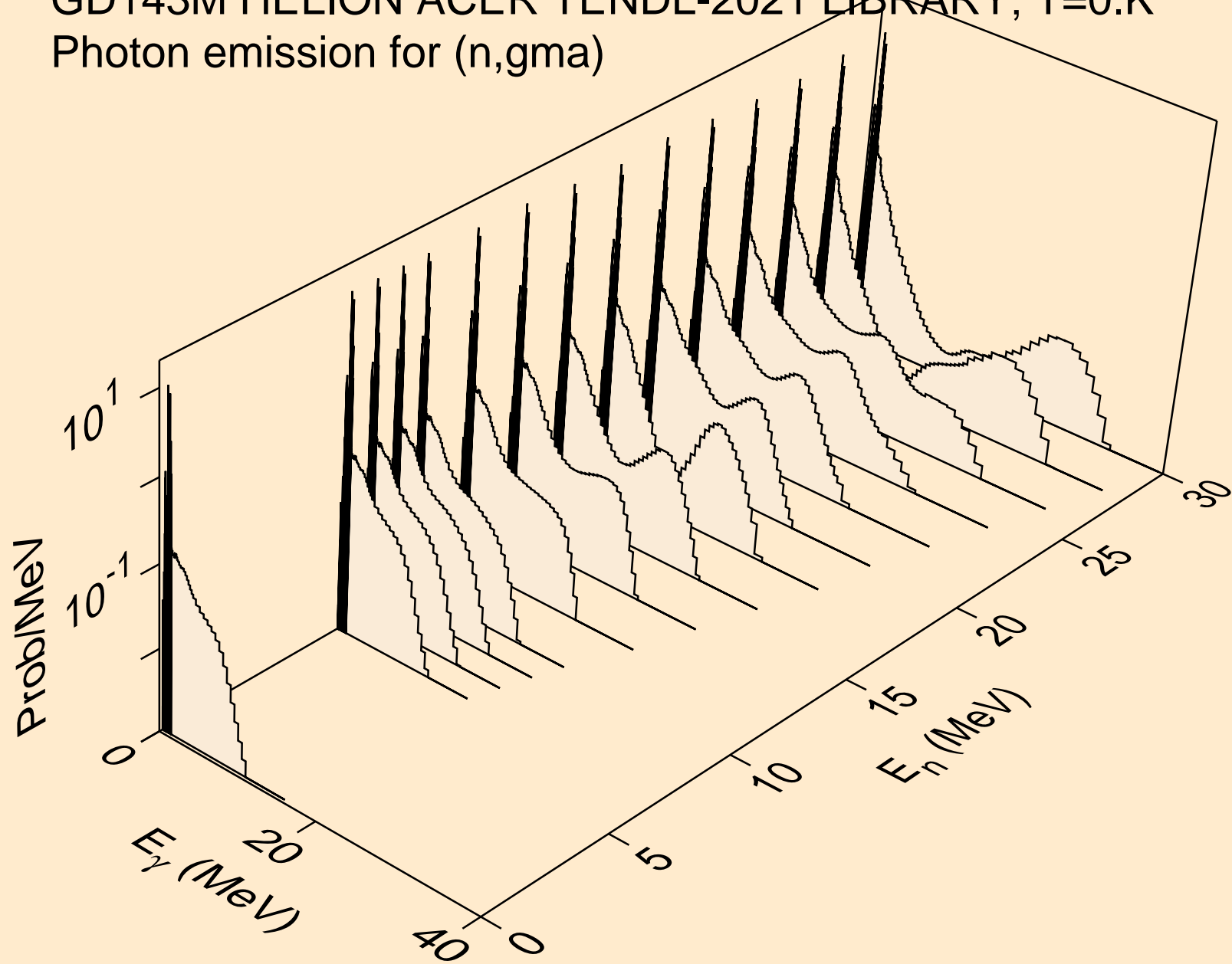
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Photon emission for (n,2np)



GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,npa)

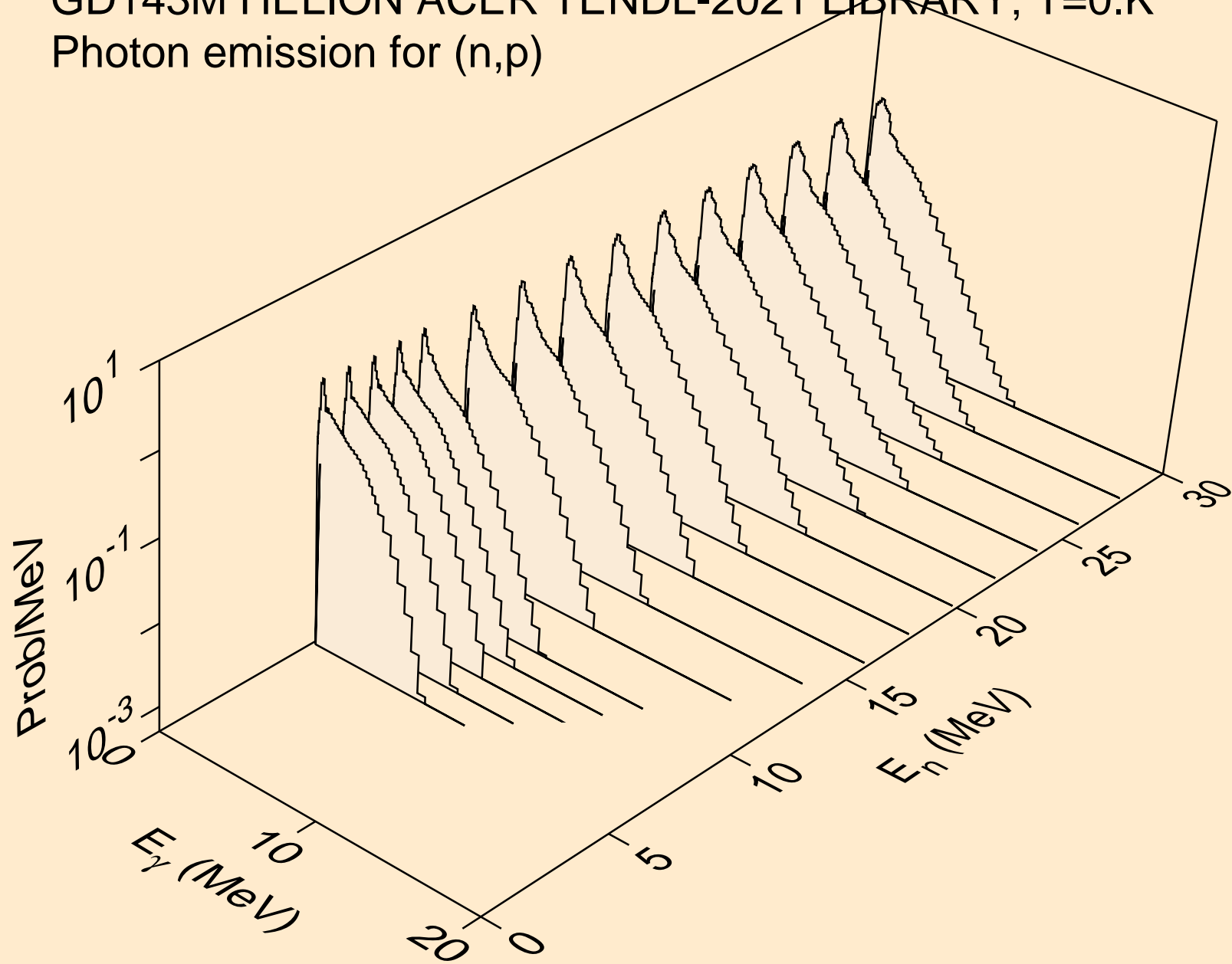


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Photon emission for (n,gma)

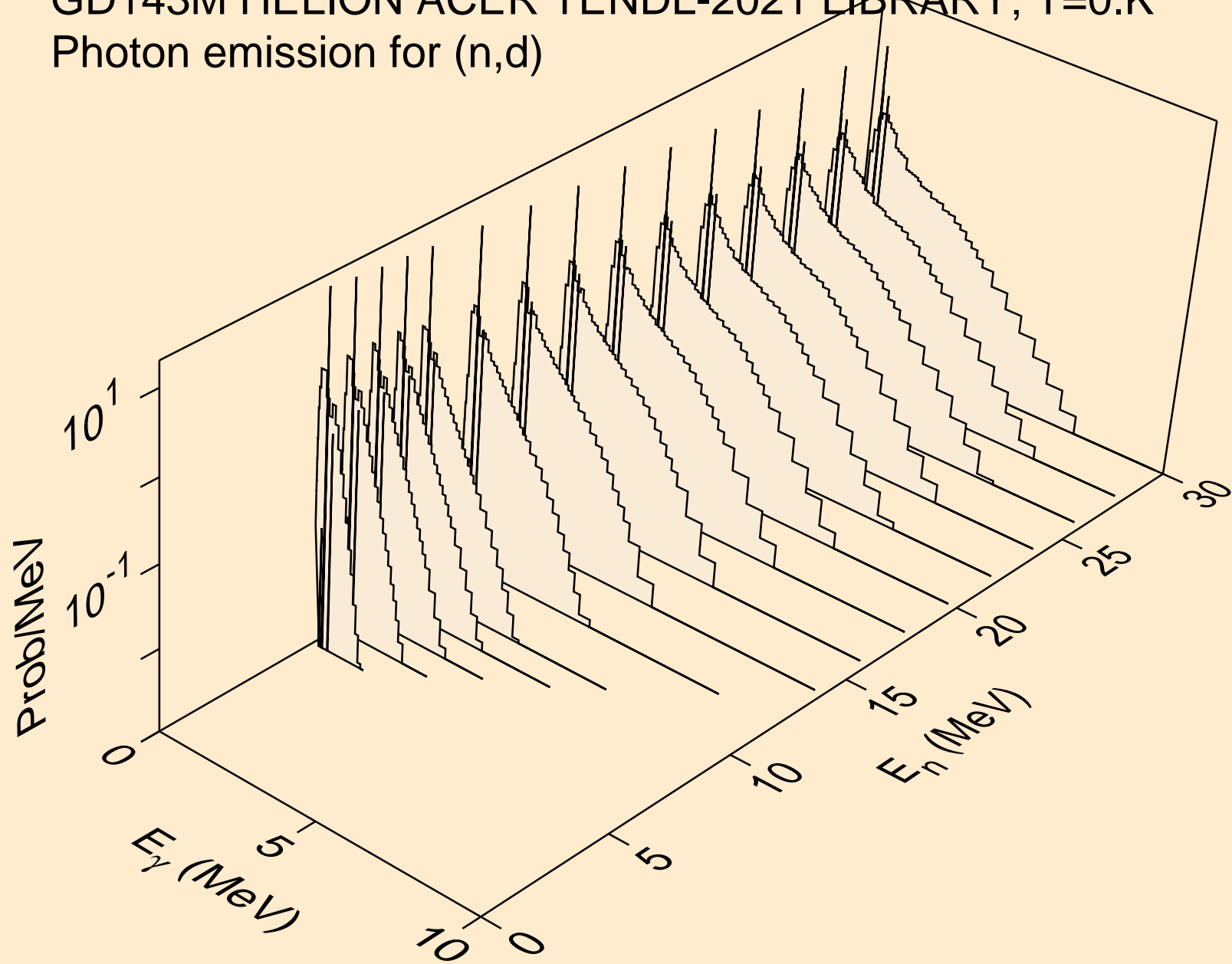




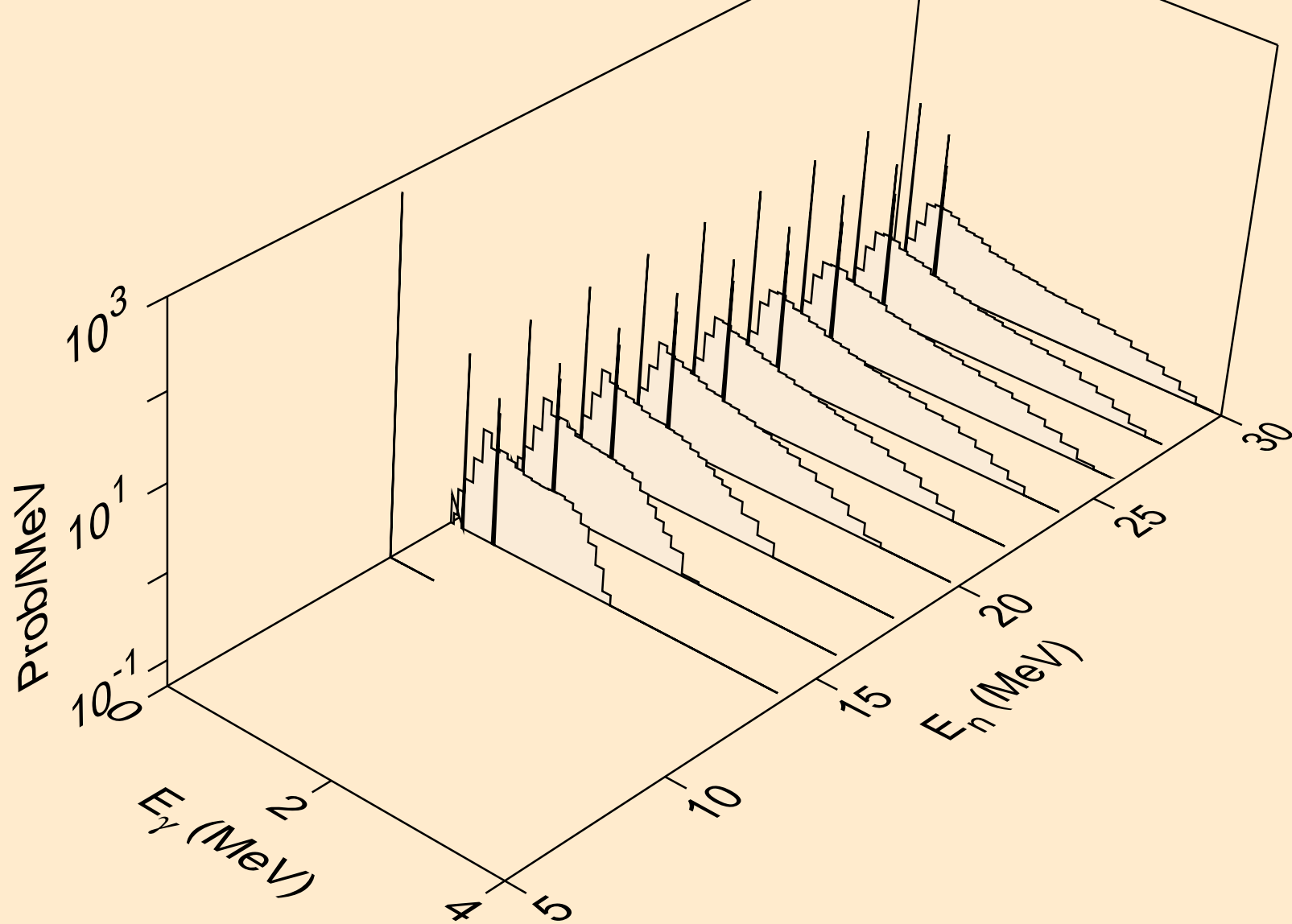
GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,p)



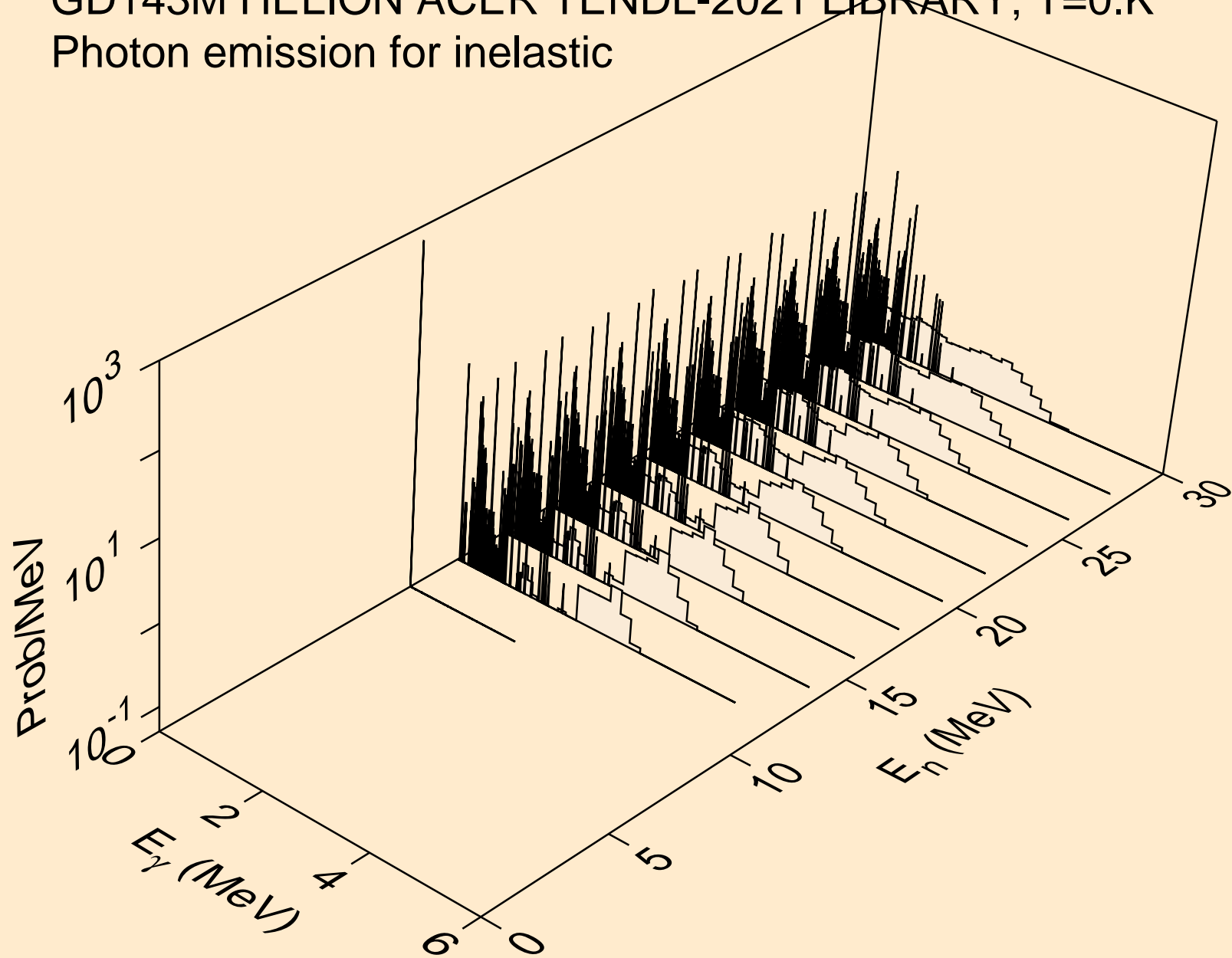
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Photon emission for (n,d)



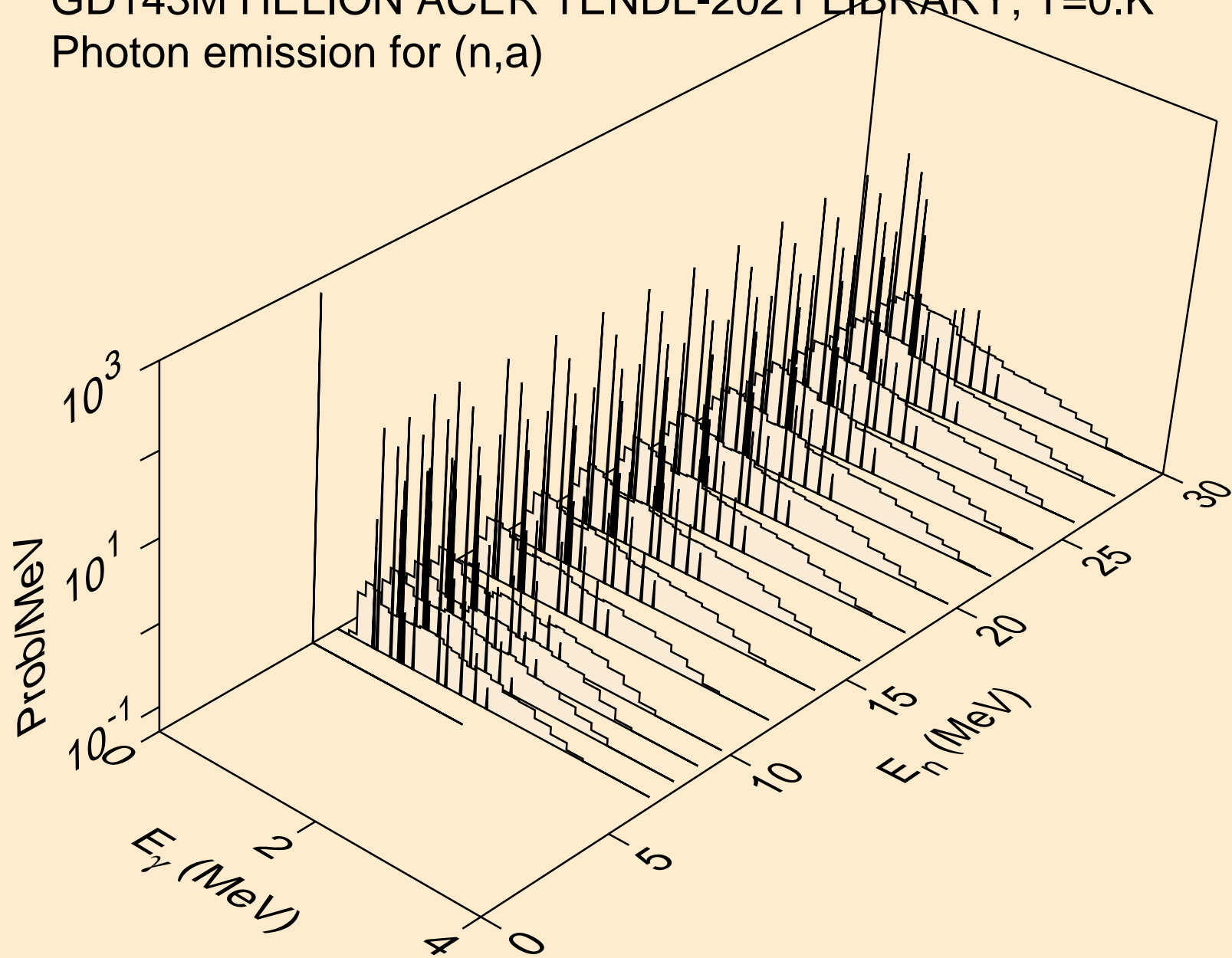
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Photon emission for (n,t)



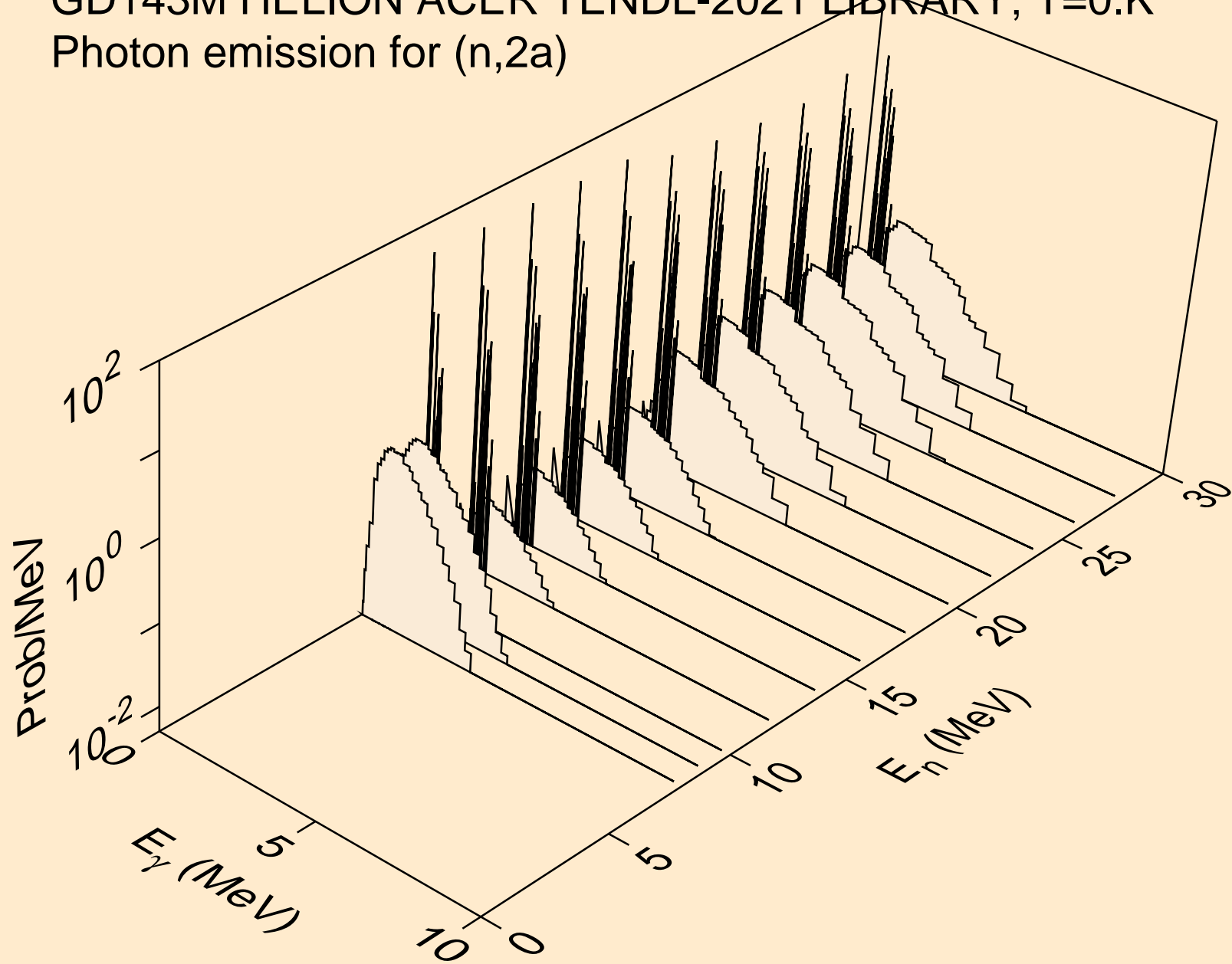
GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



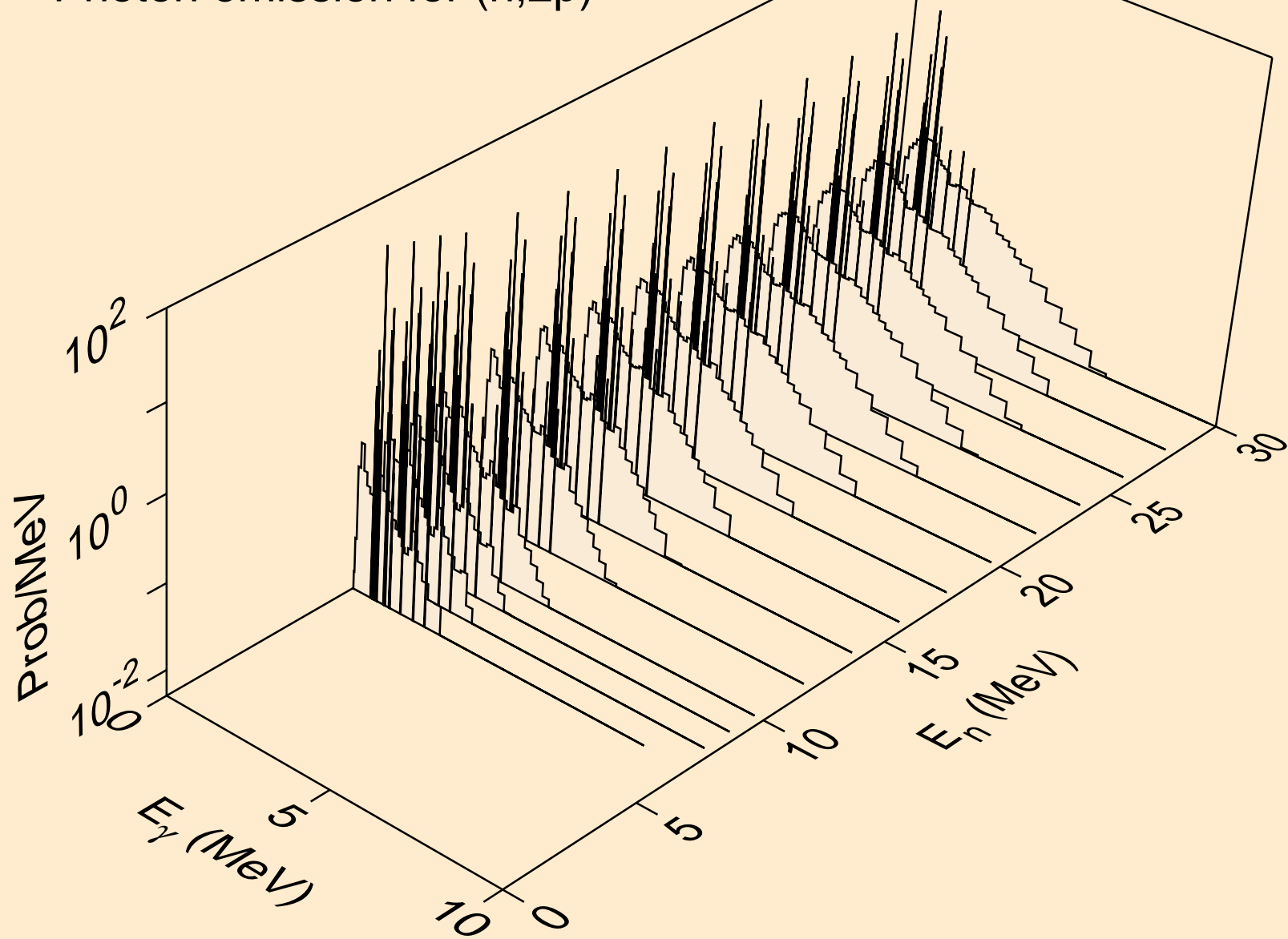
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Photon emission for (n,a)



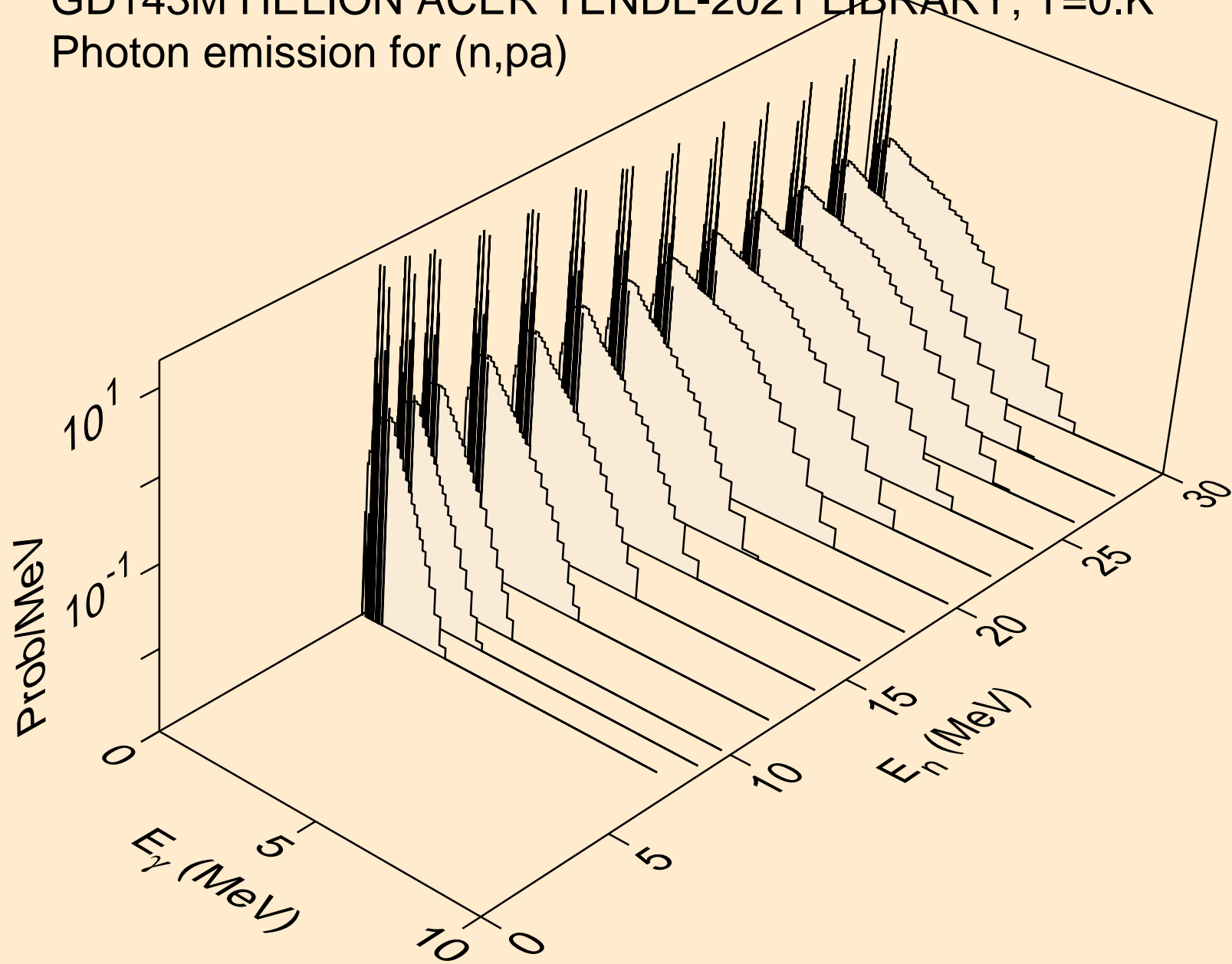
GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2a)



GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)

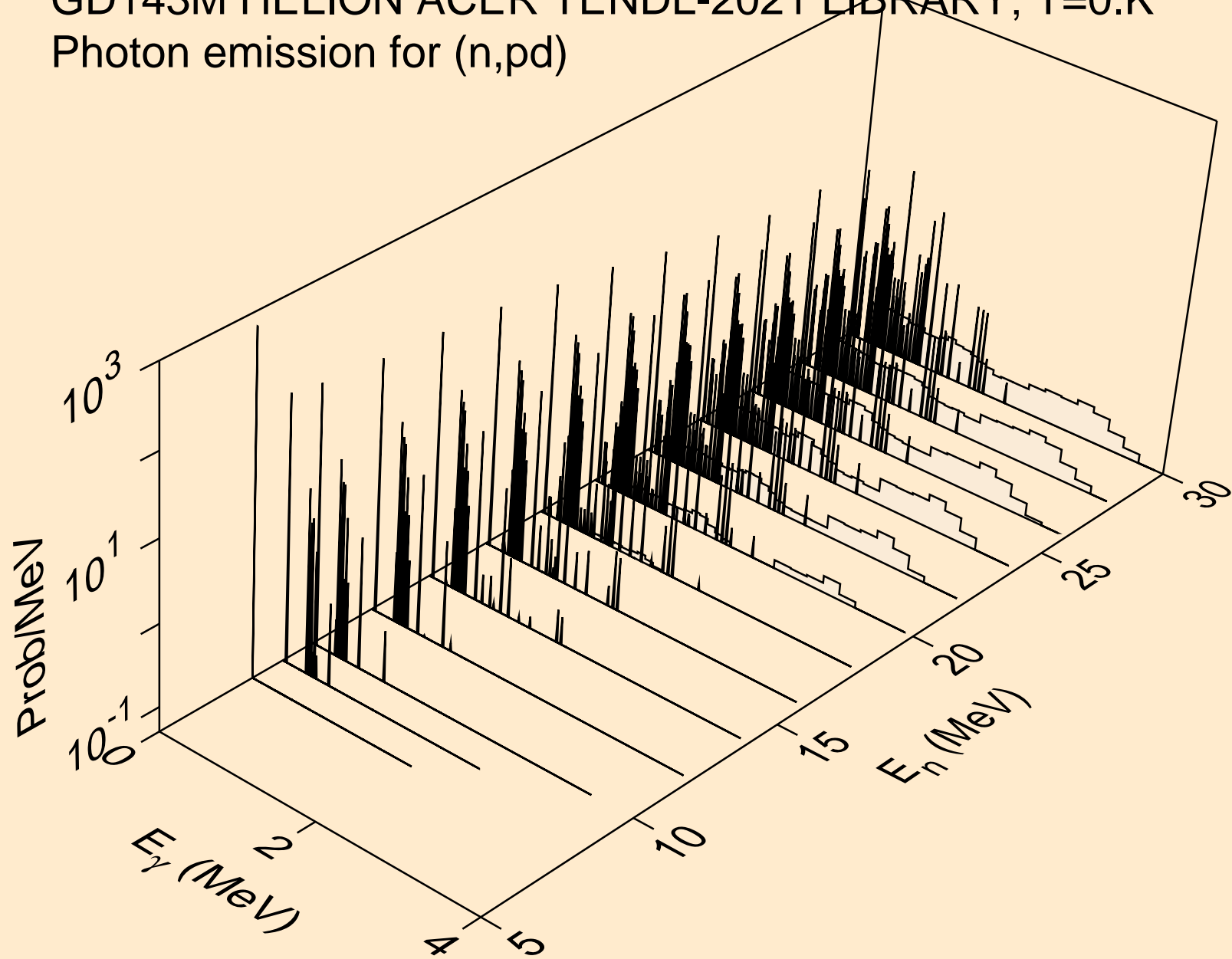


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Photon emission for (n,p $\alpha$ )

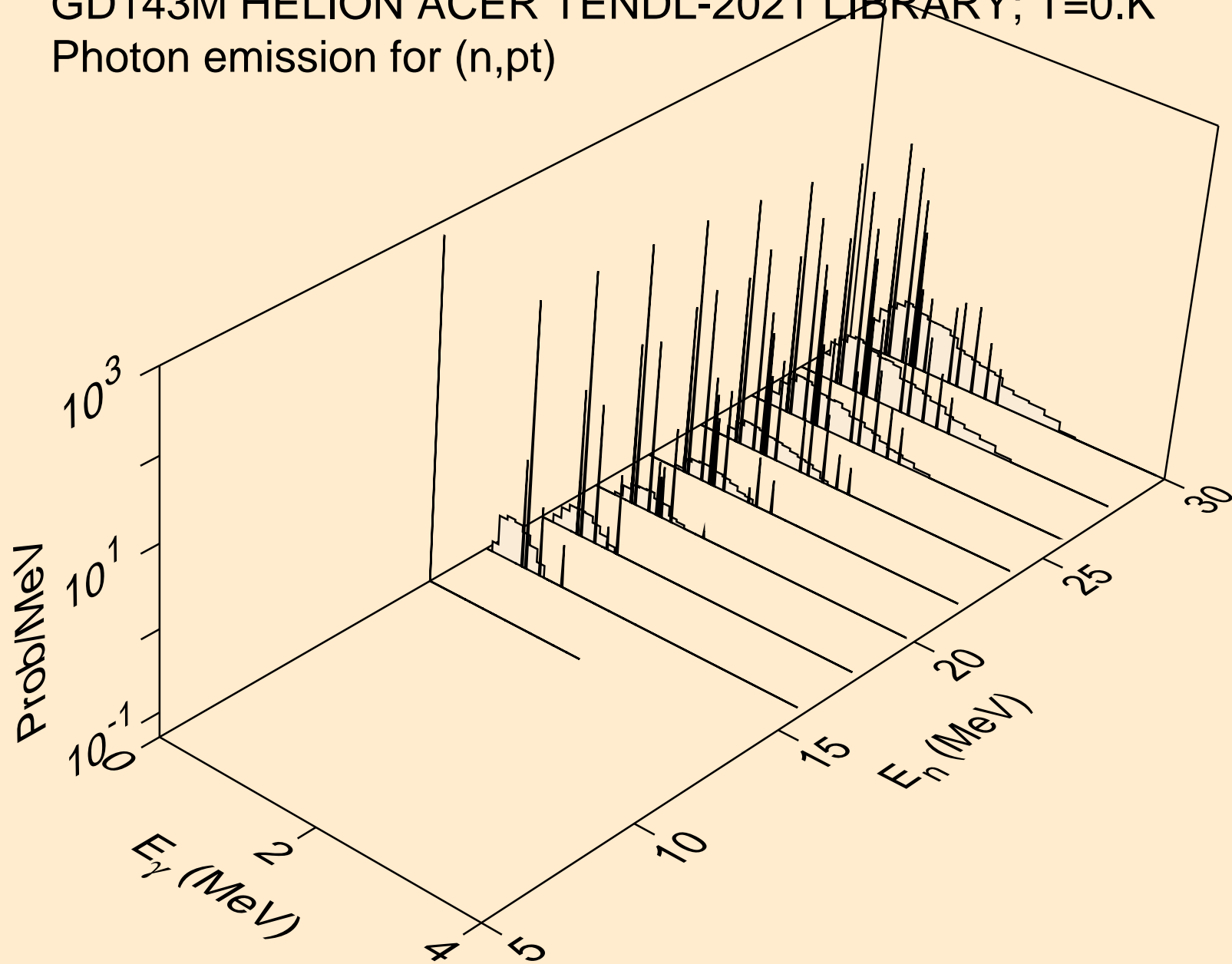




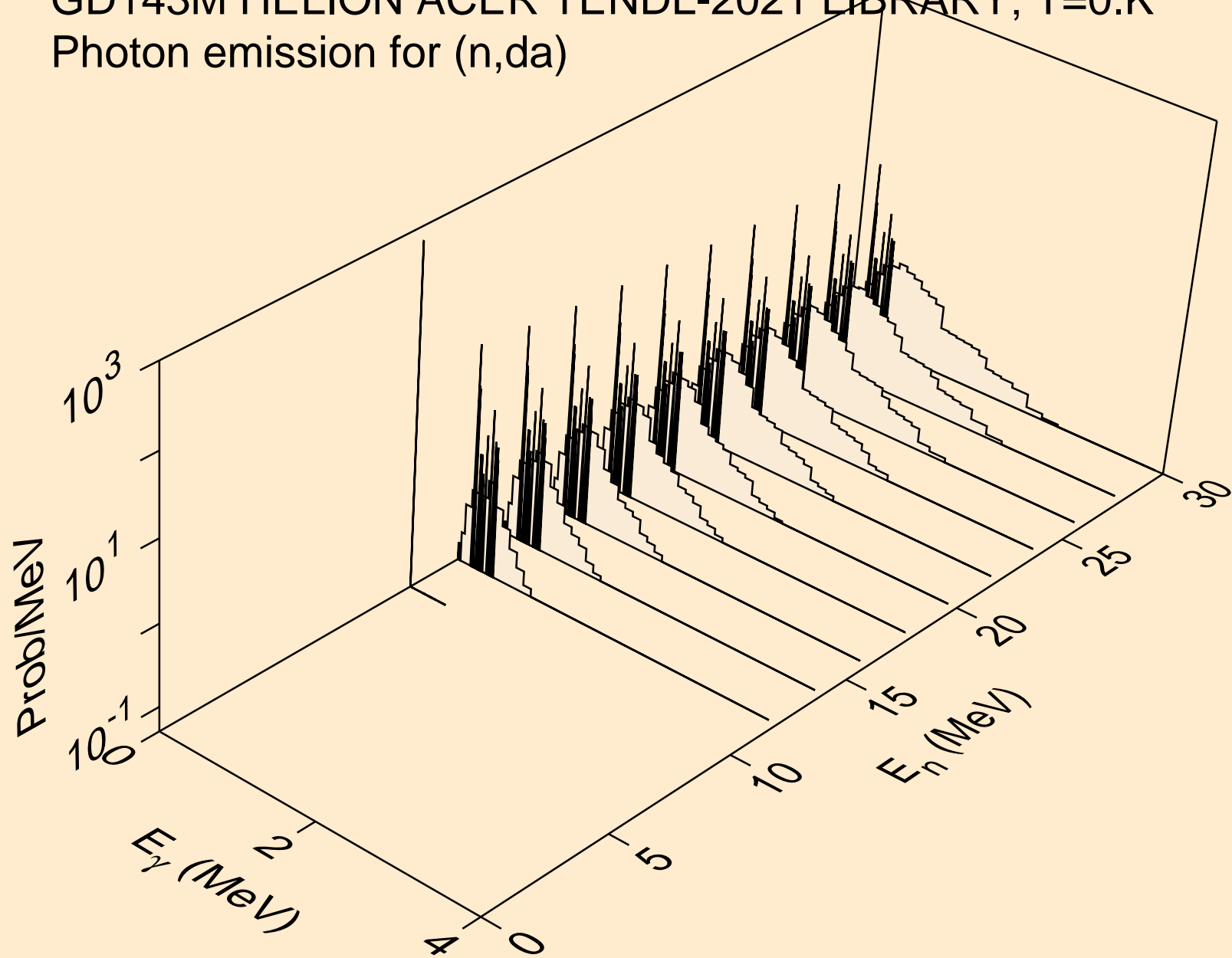
GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)



GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)

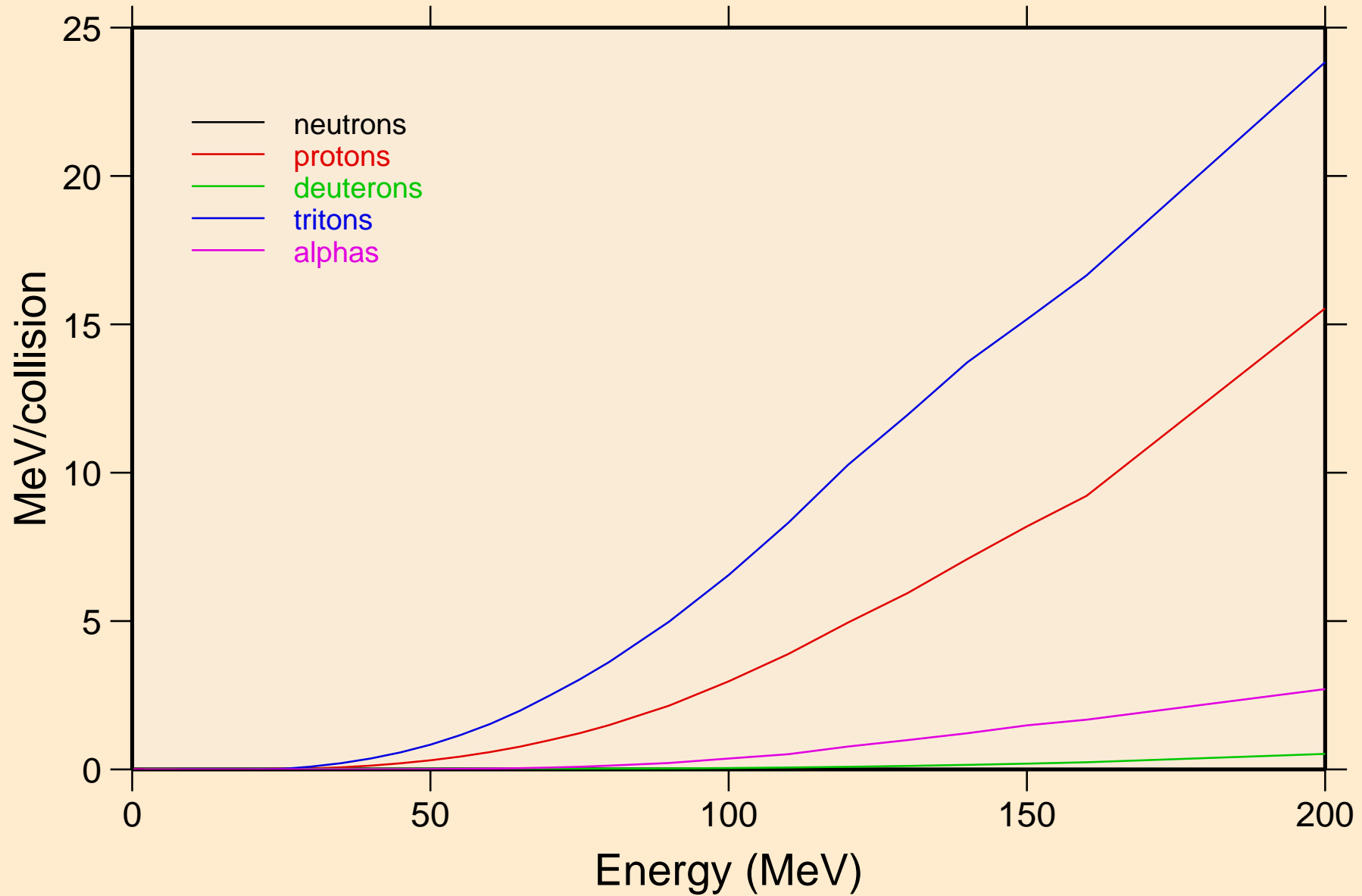


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Photon emission for (n,da)

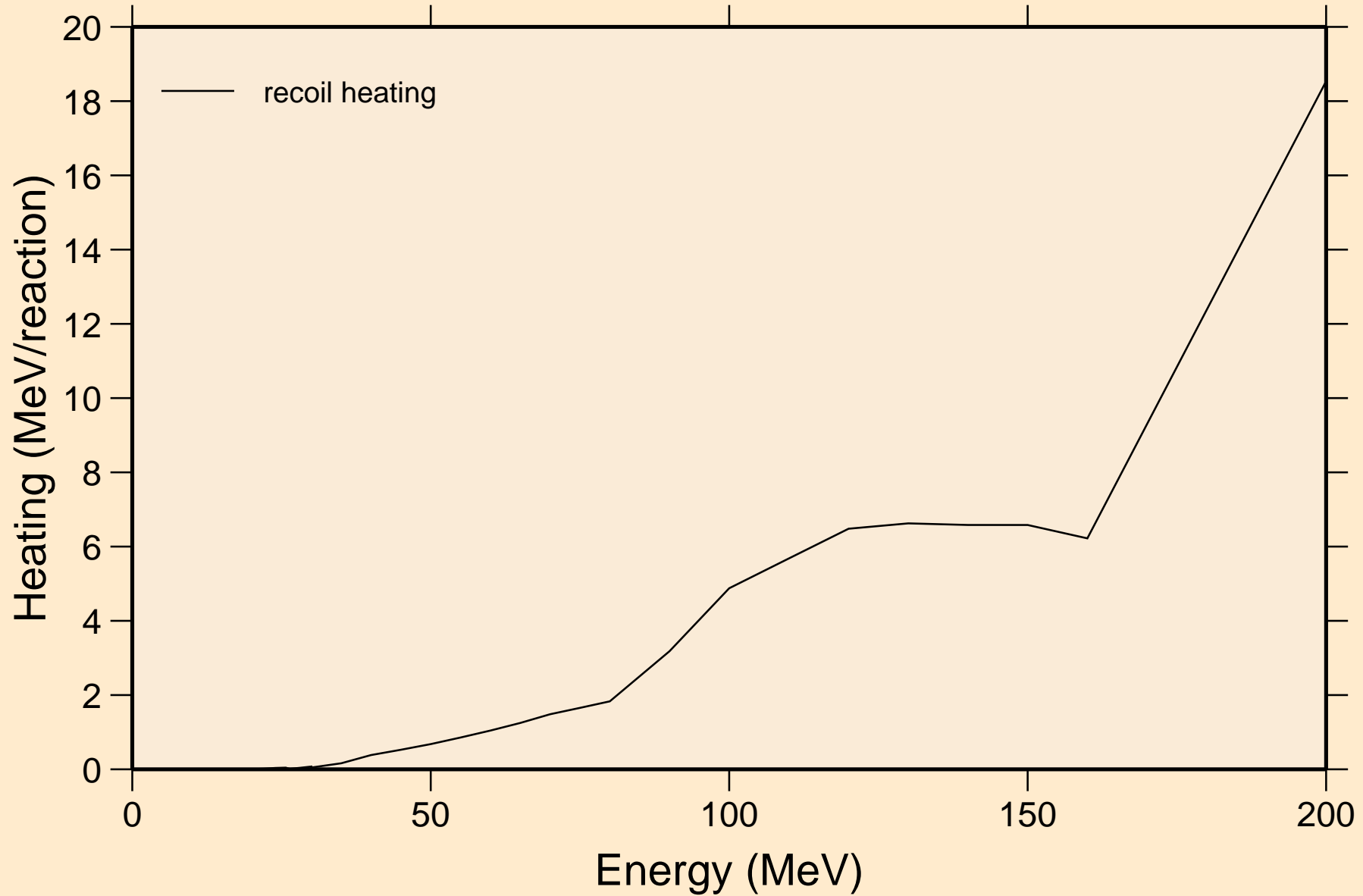


# GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K

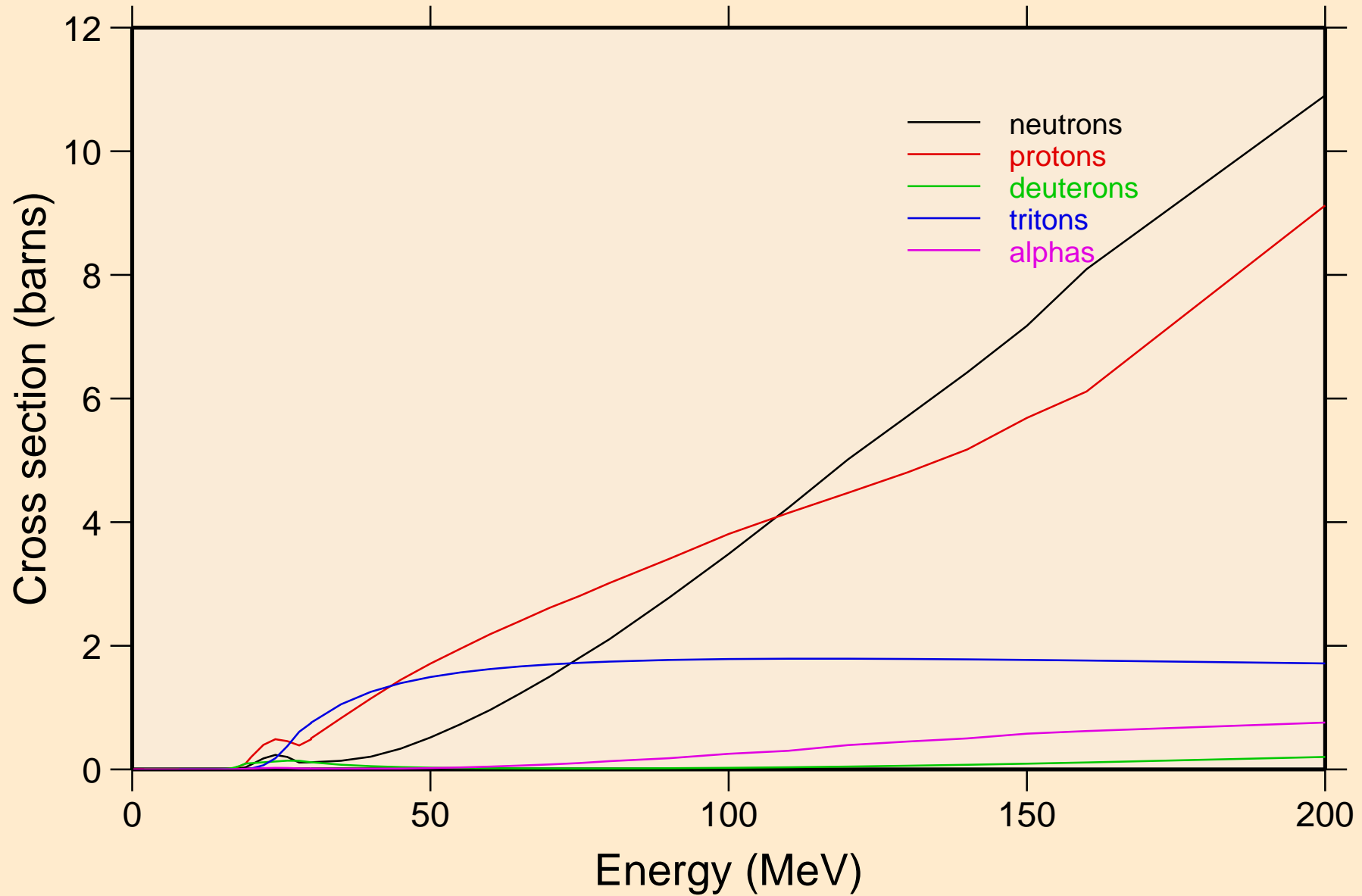
## Particle heating contributions



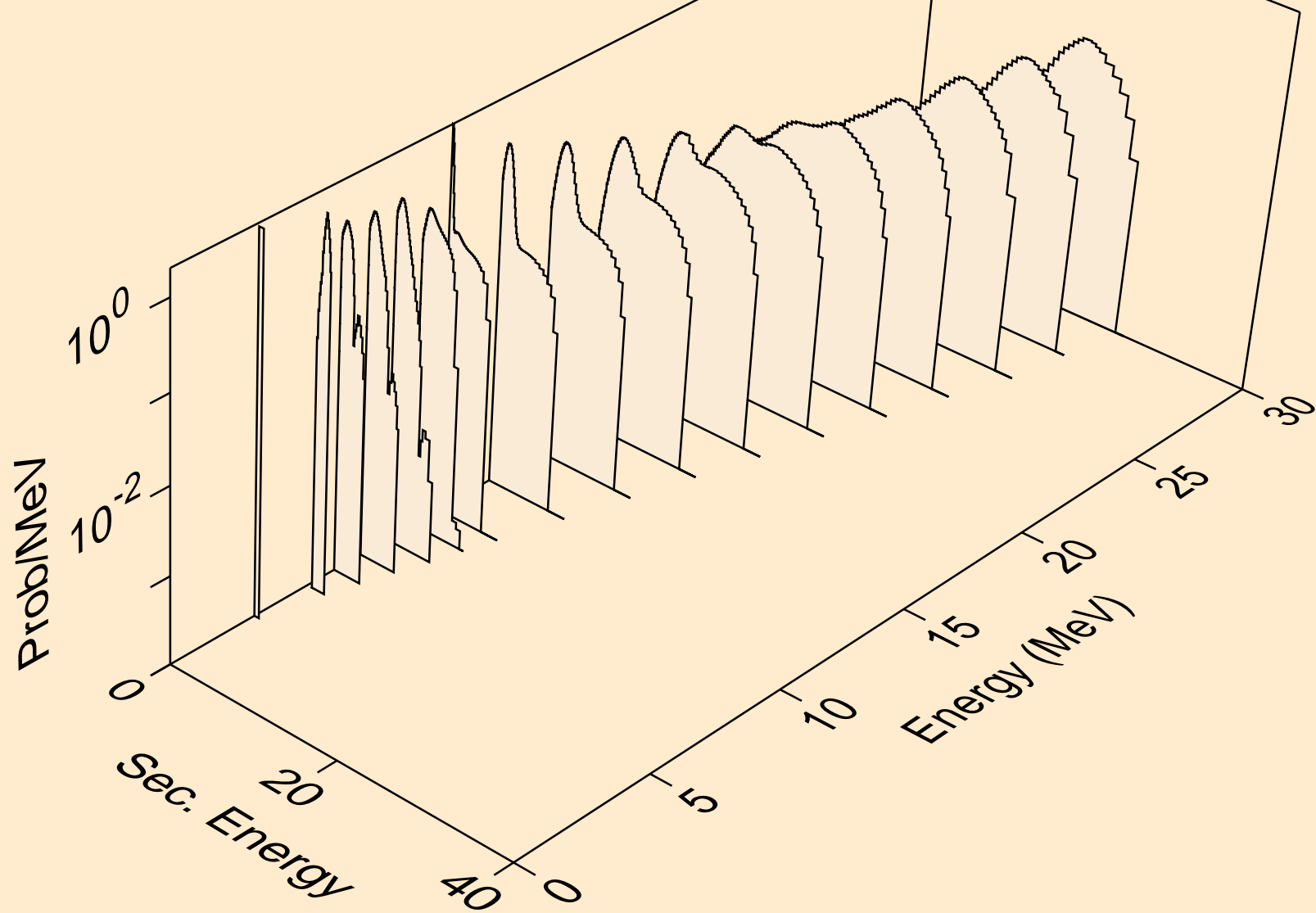
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Recoil Heating



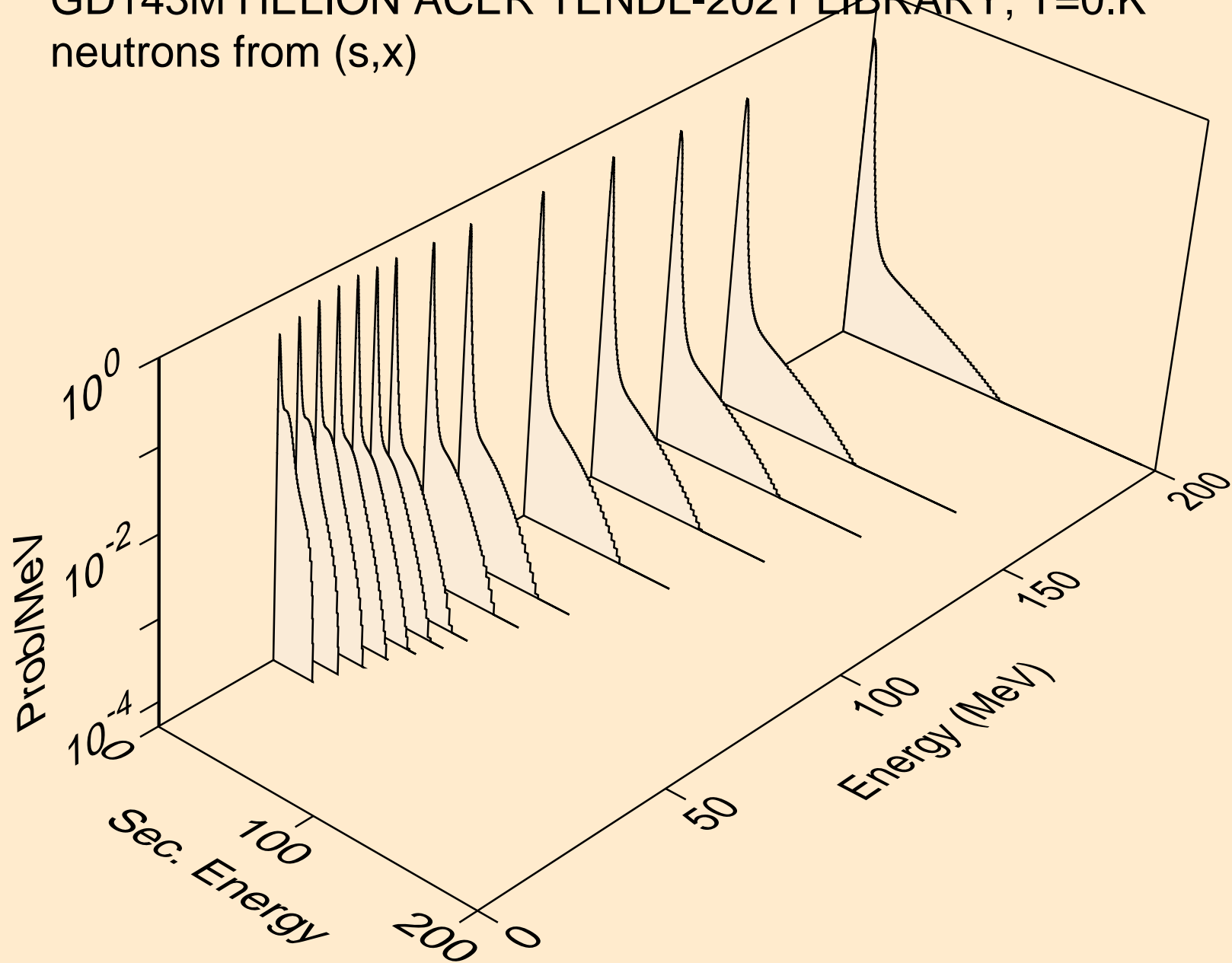
GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections



GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n)

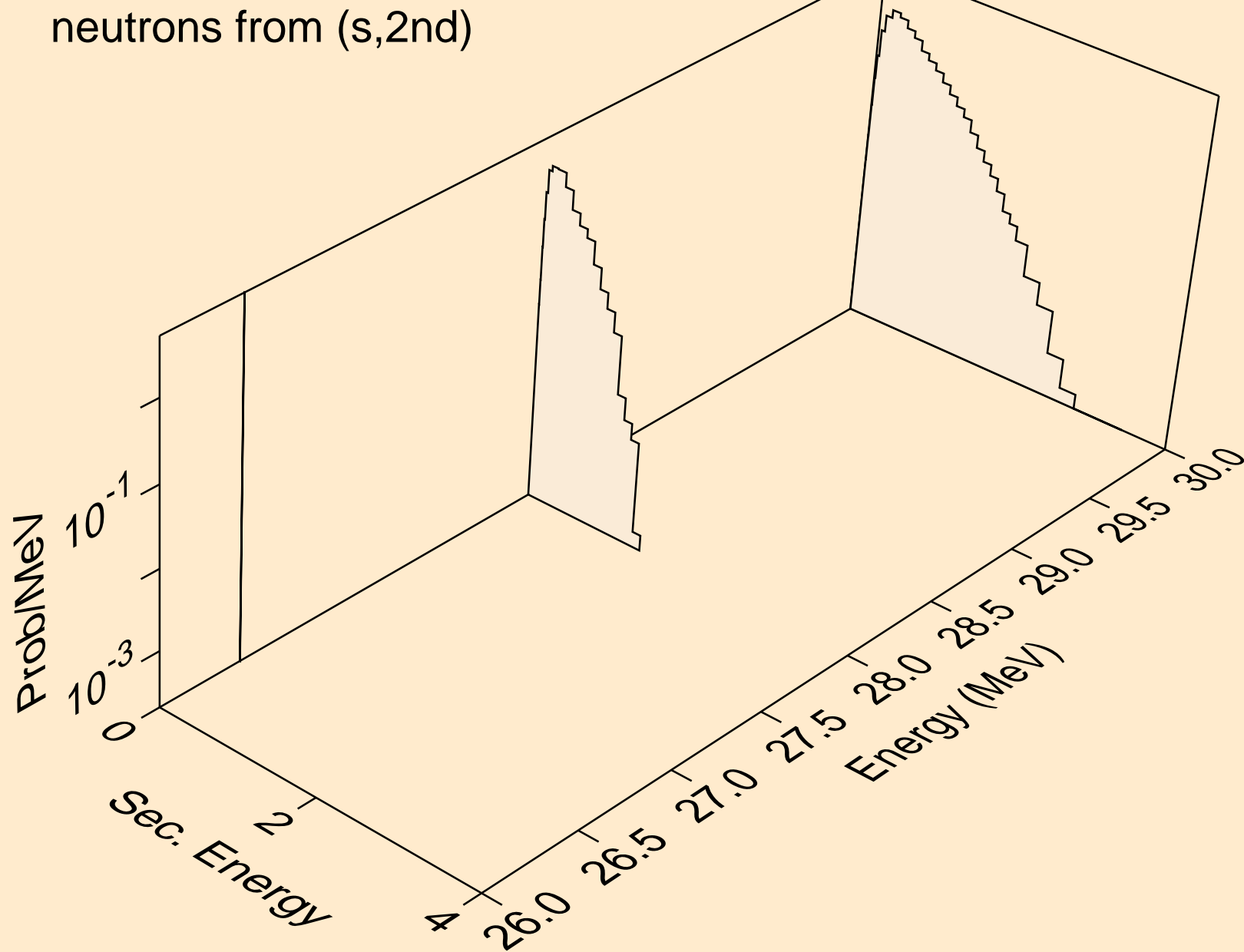


GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,x)

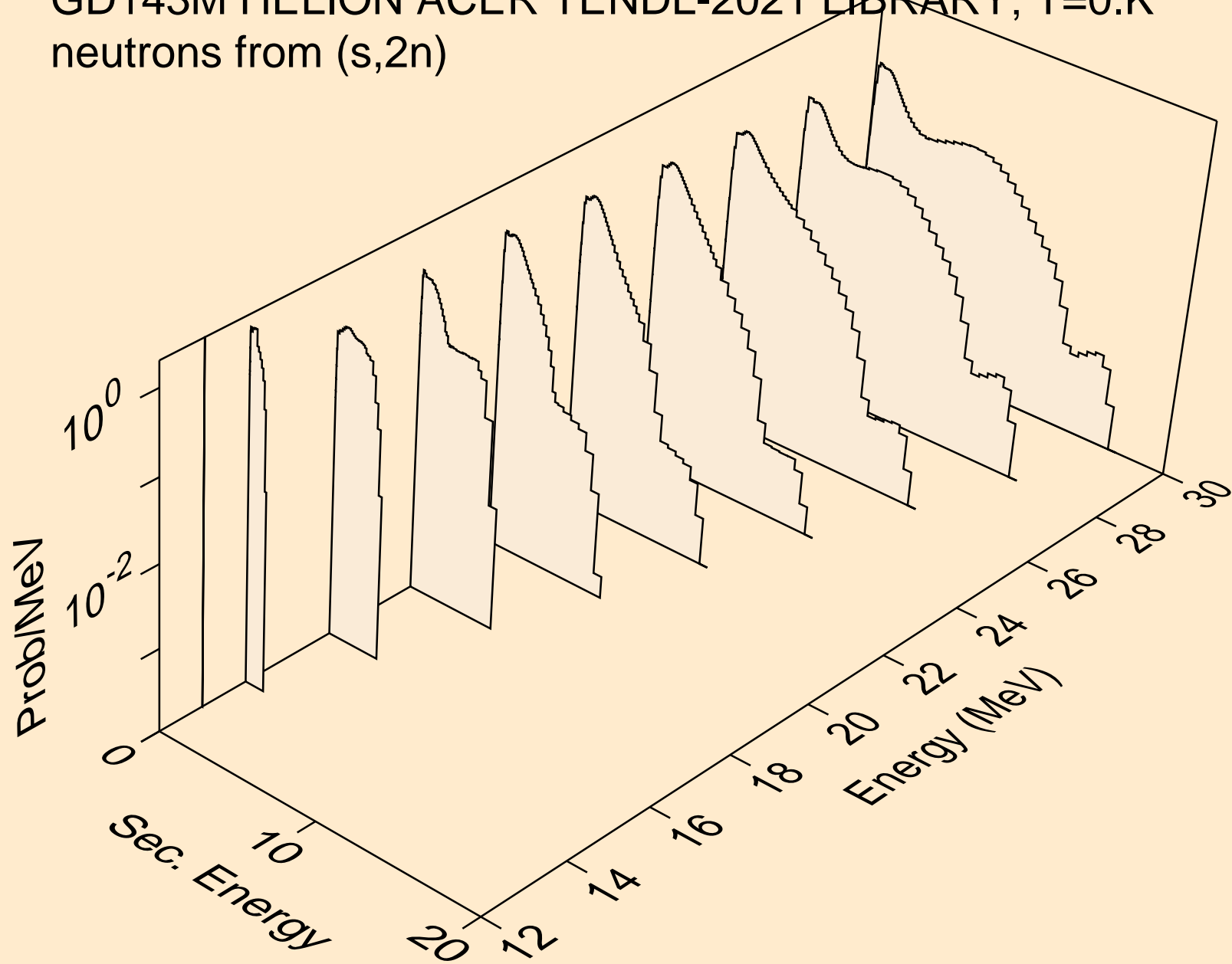




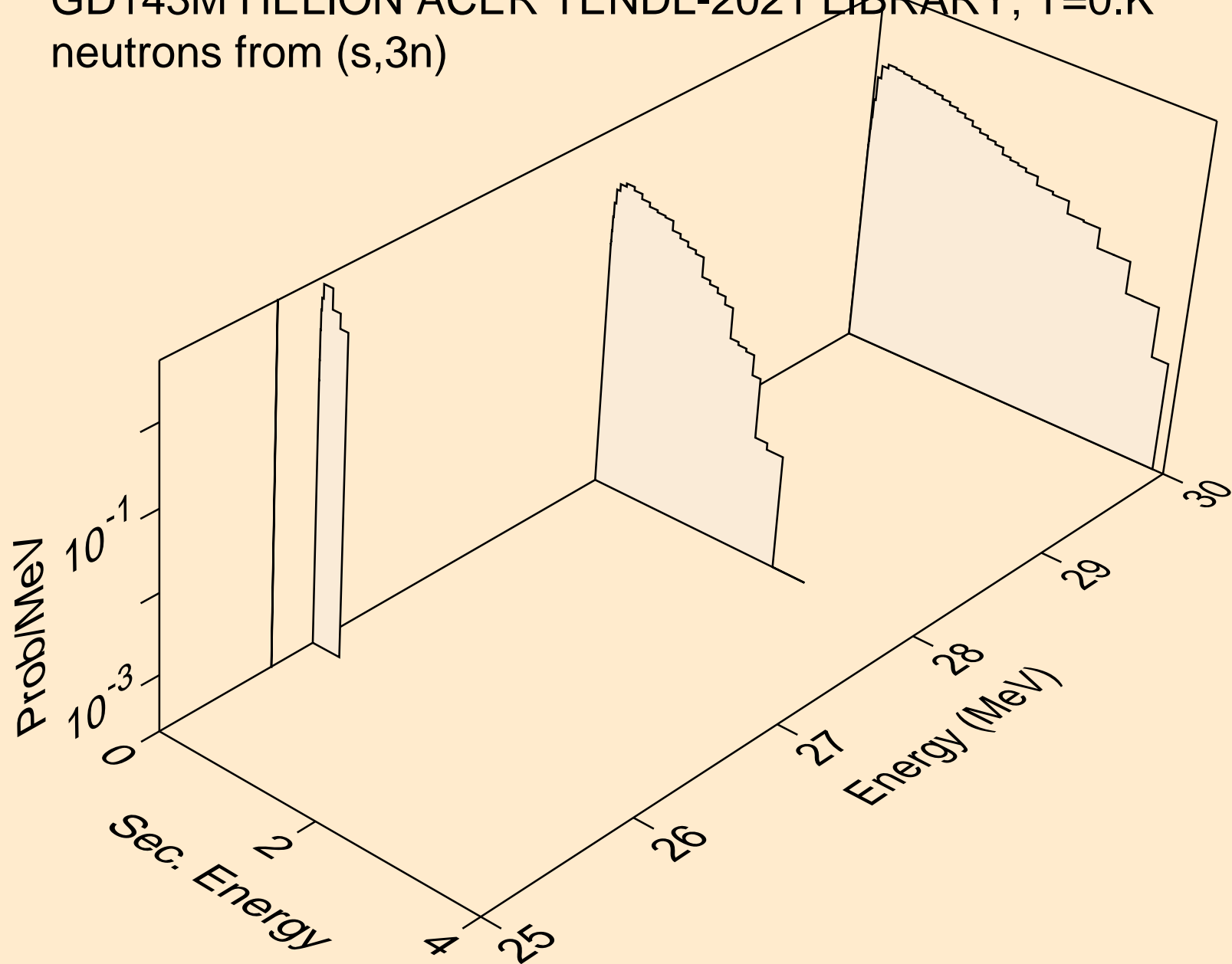
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neutrons from (s,2nd)



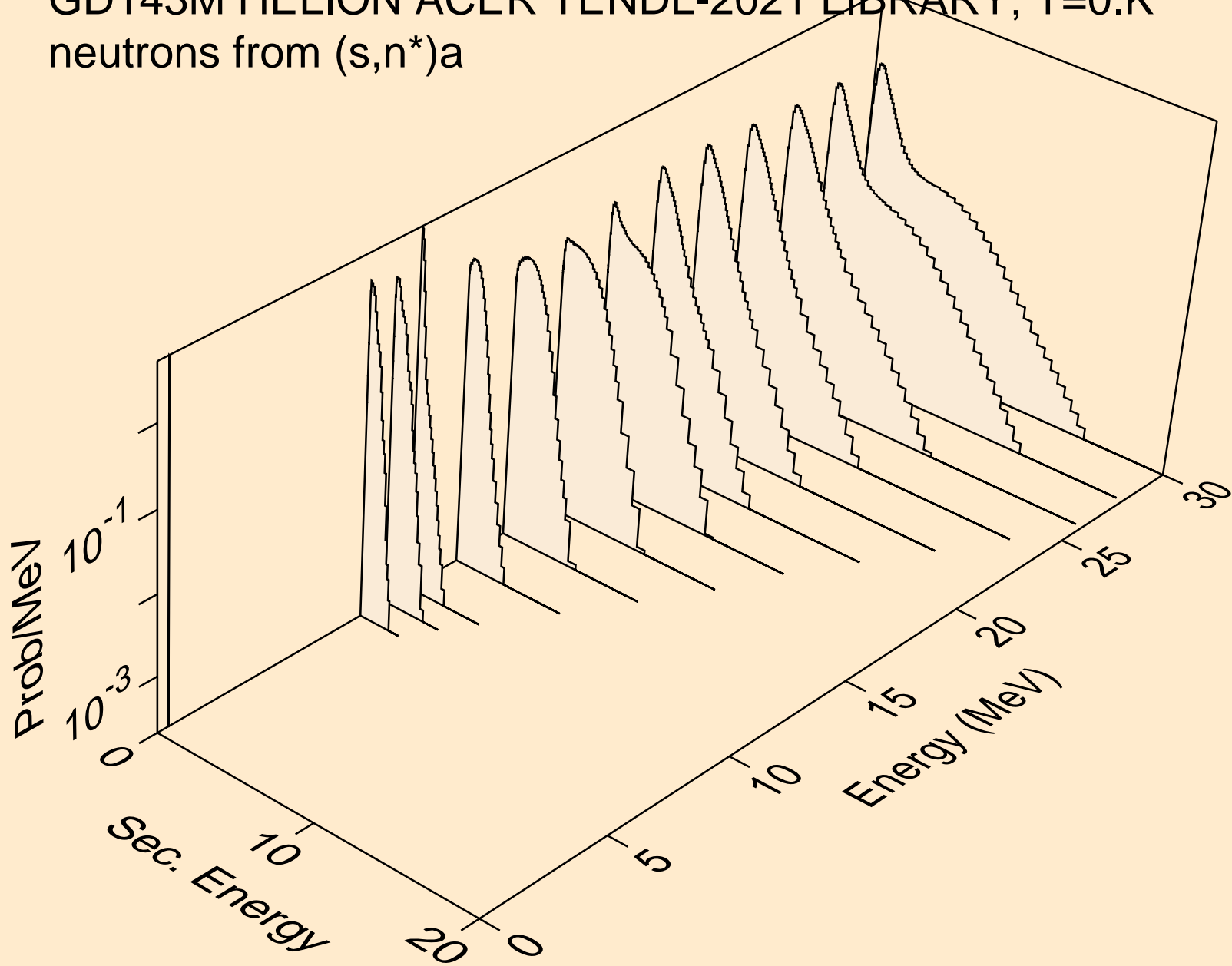
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neutrons from (s,2n)



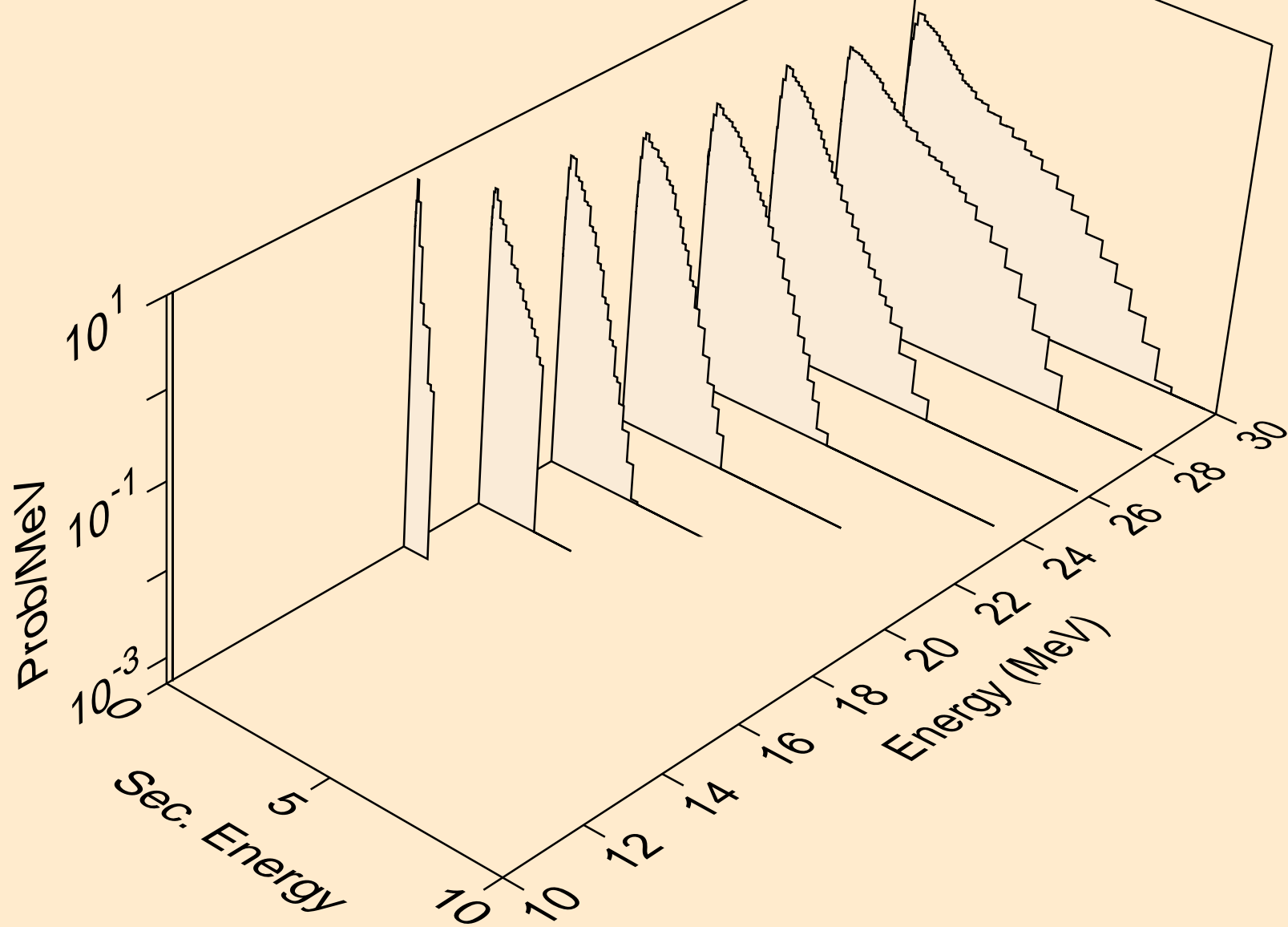
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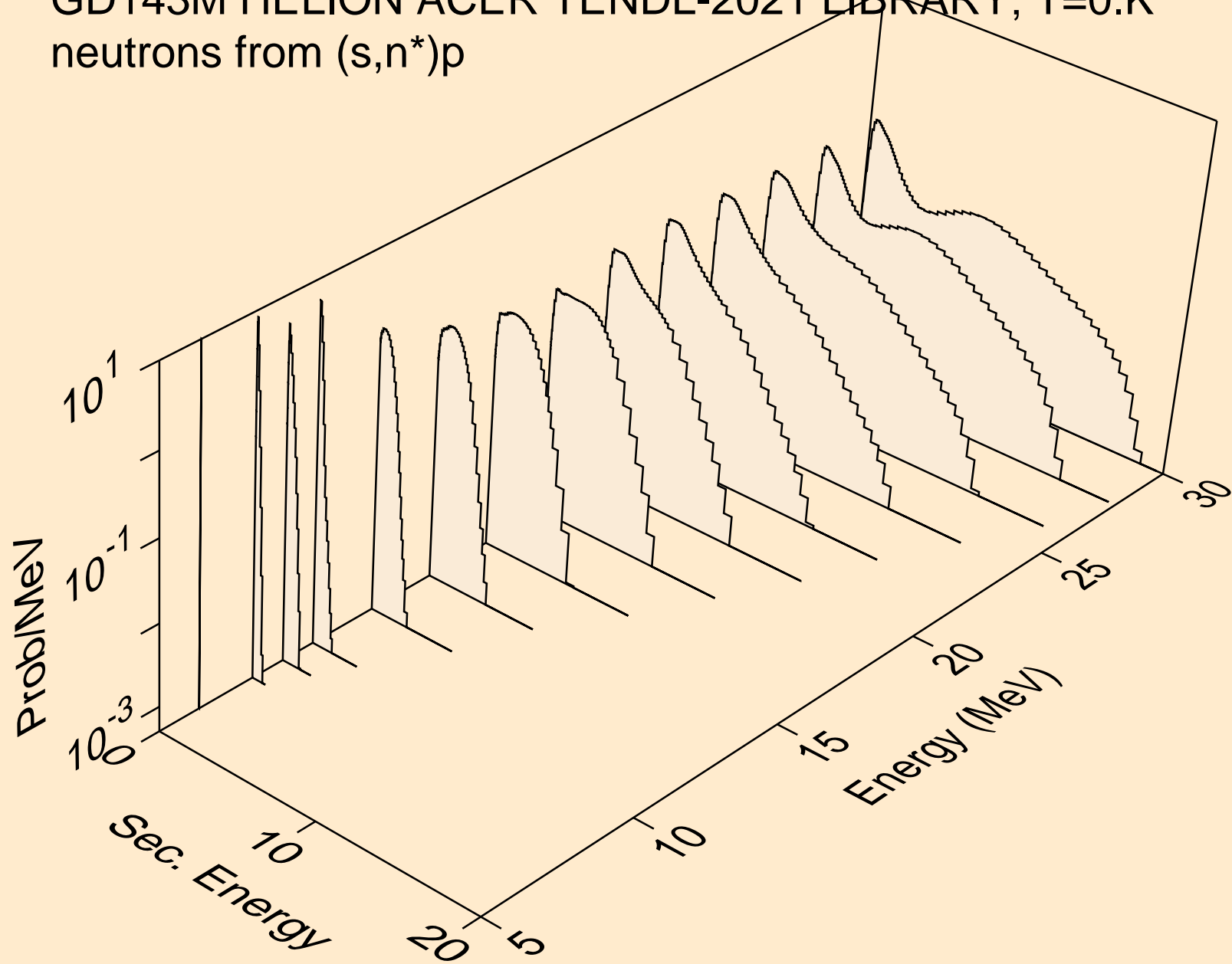
GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)a



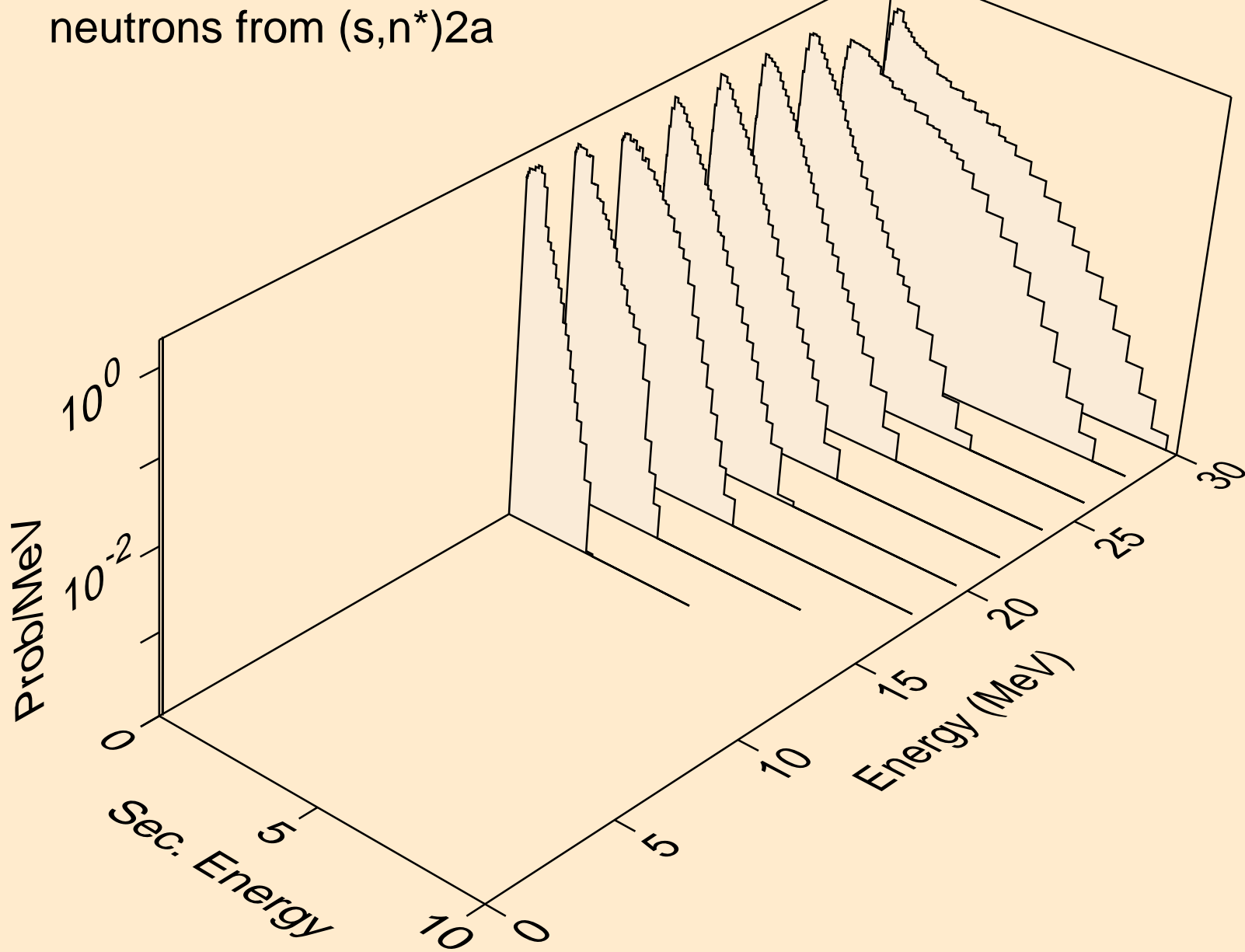
GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2n)a



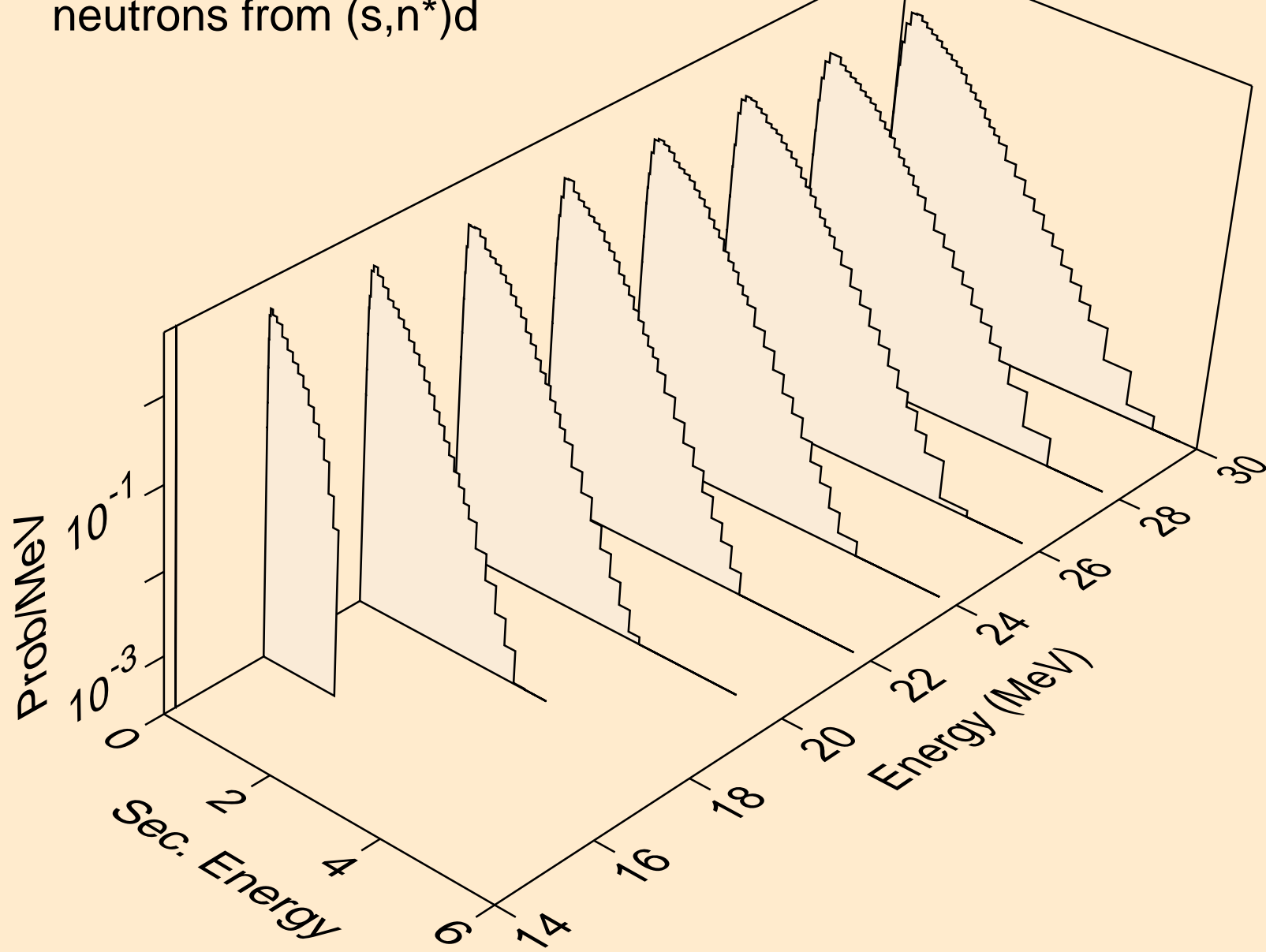
GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)p



GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)2a

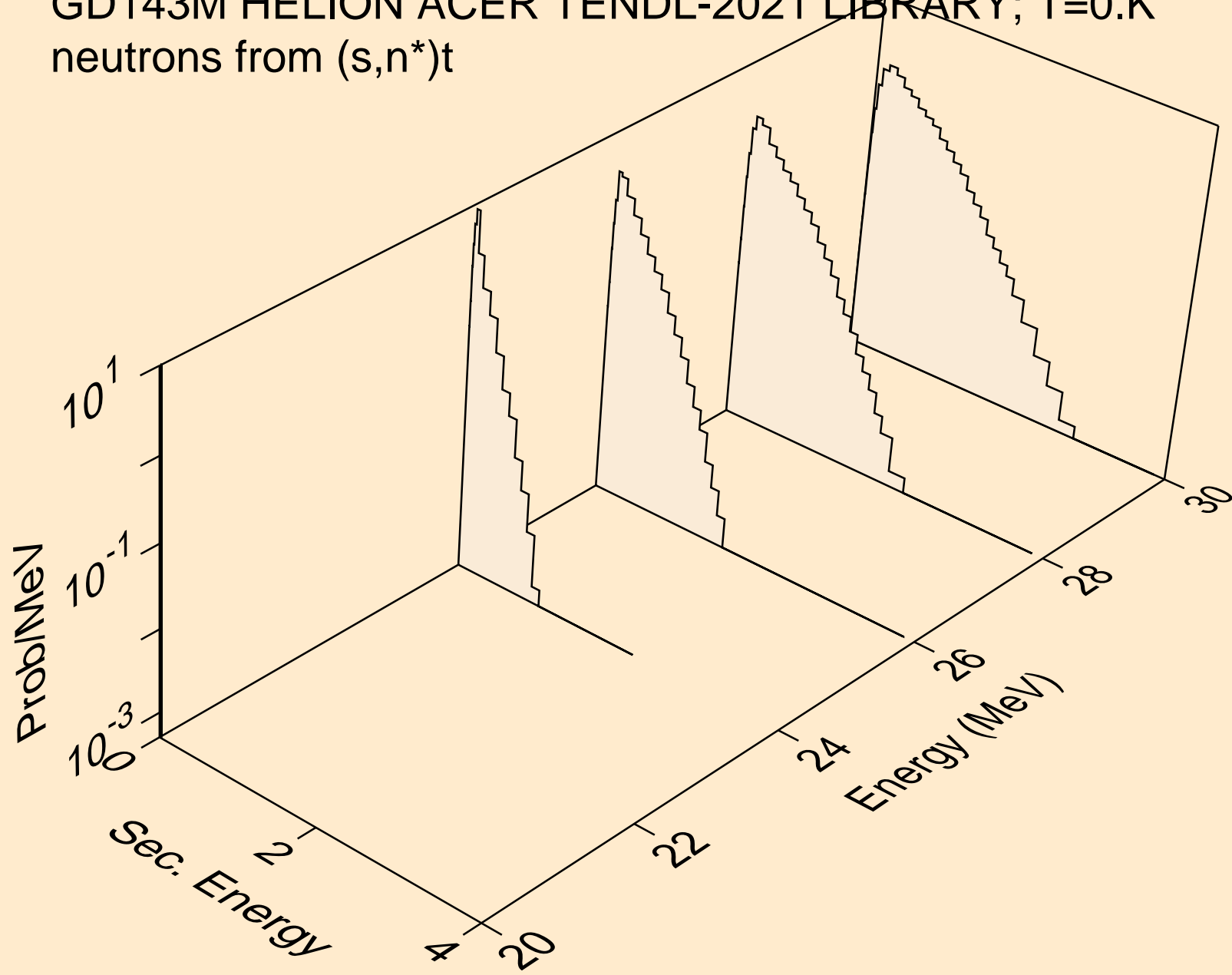


GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
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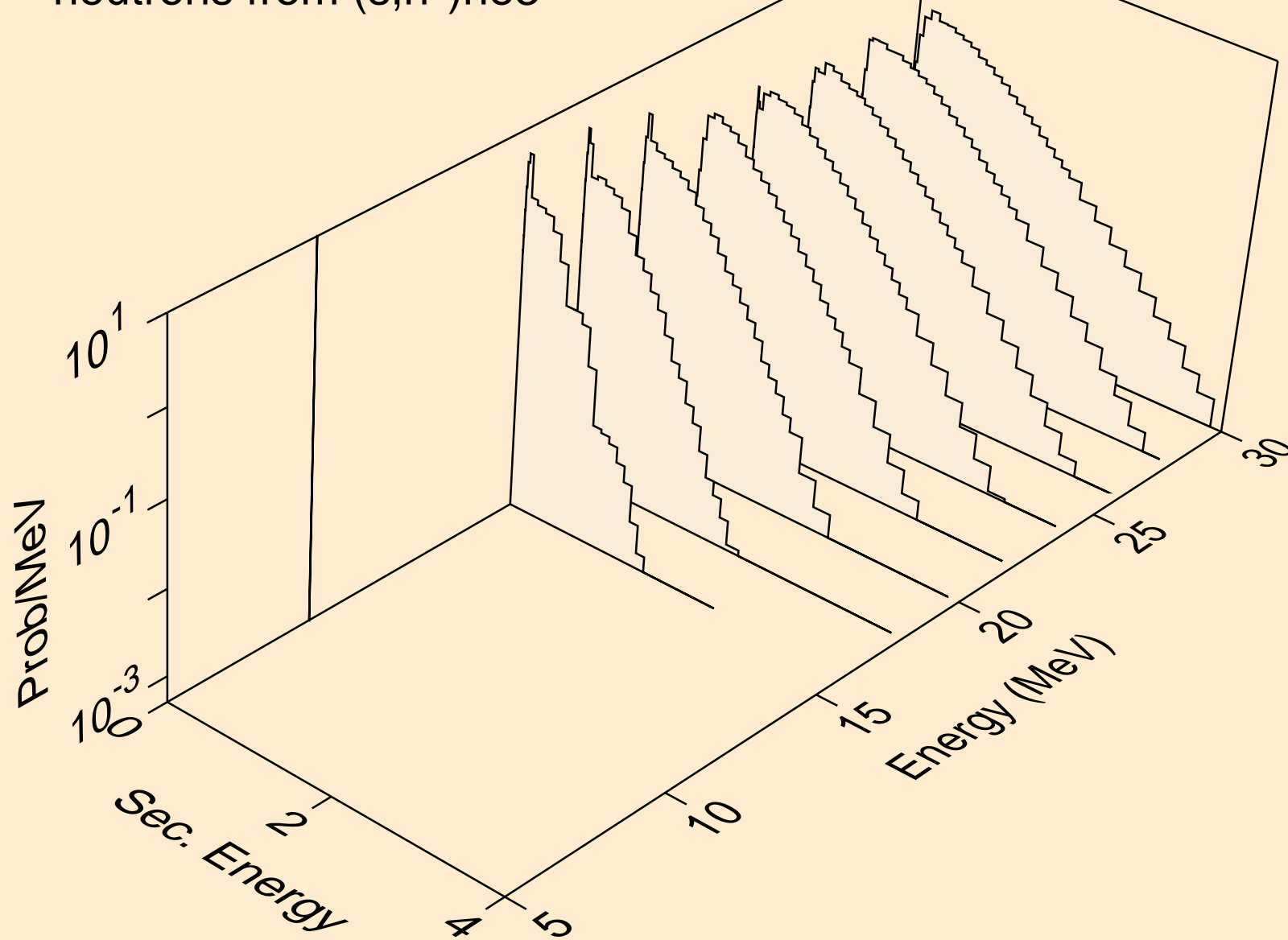




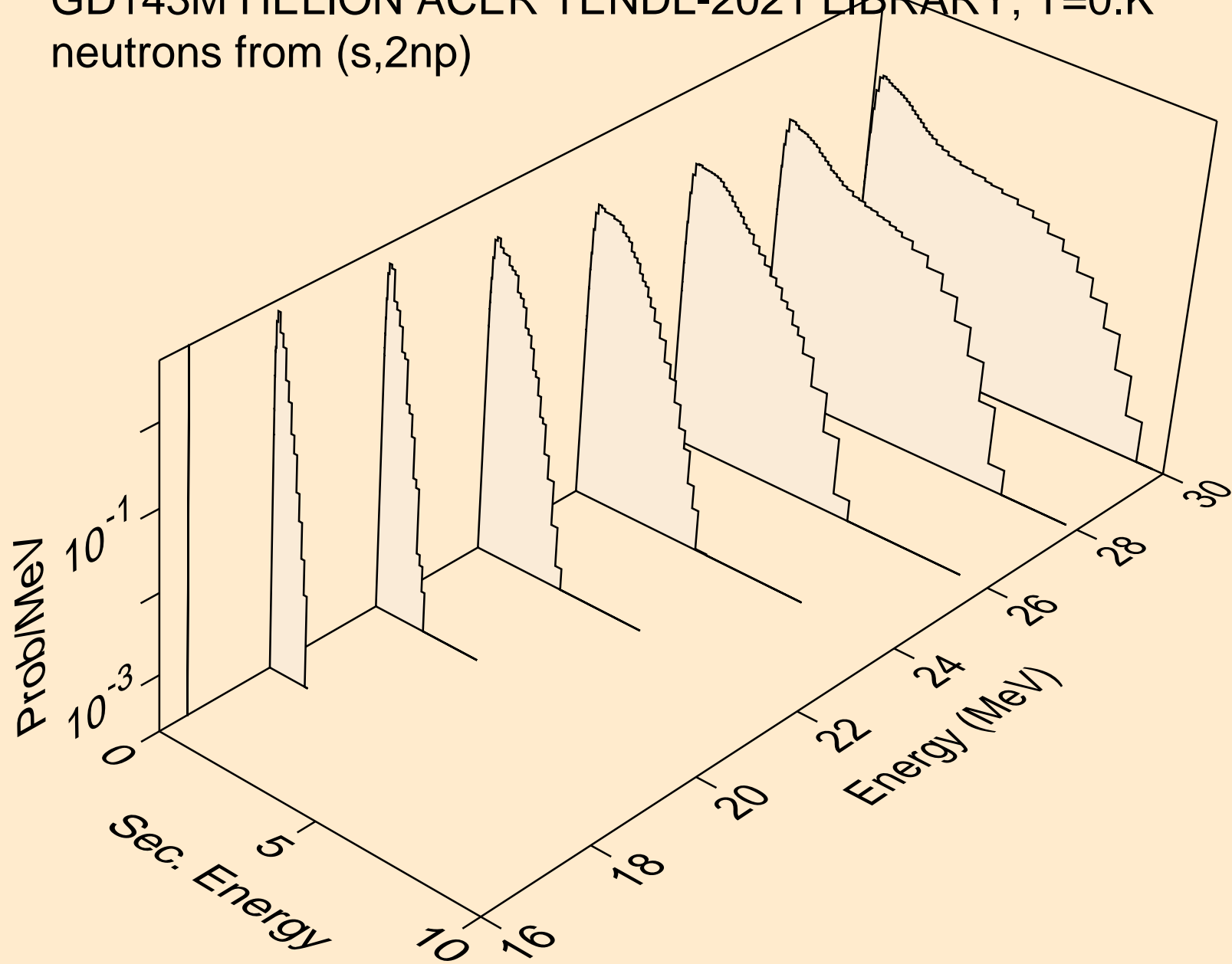
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neutrons from (s,n\*)t



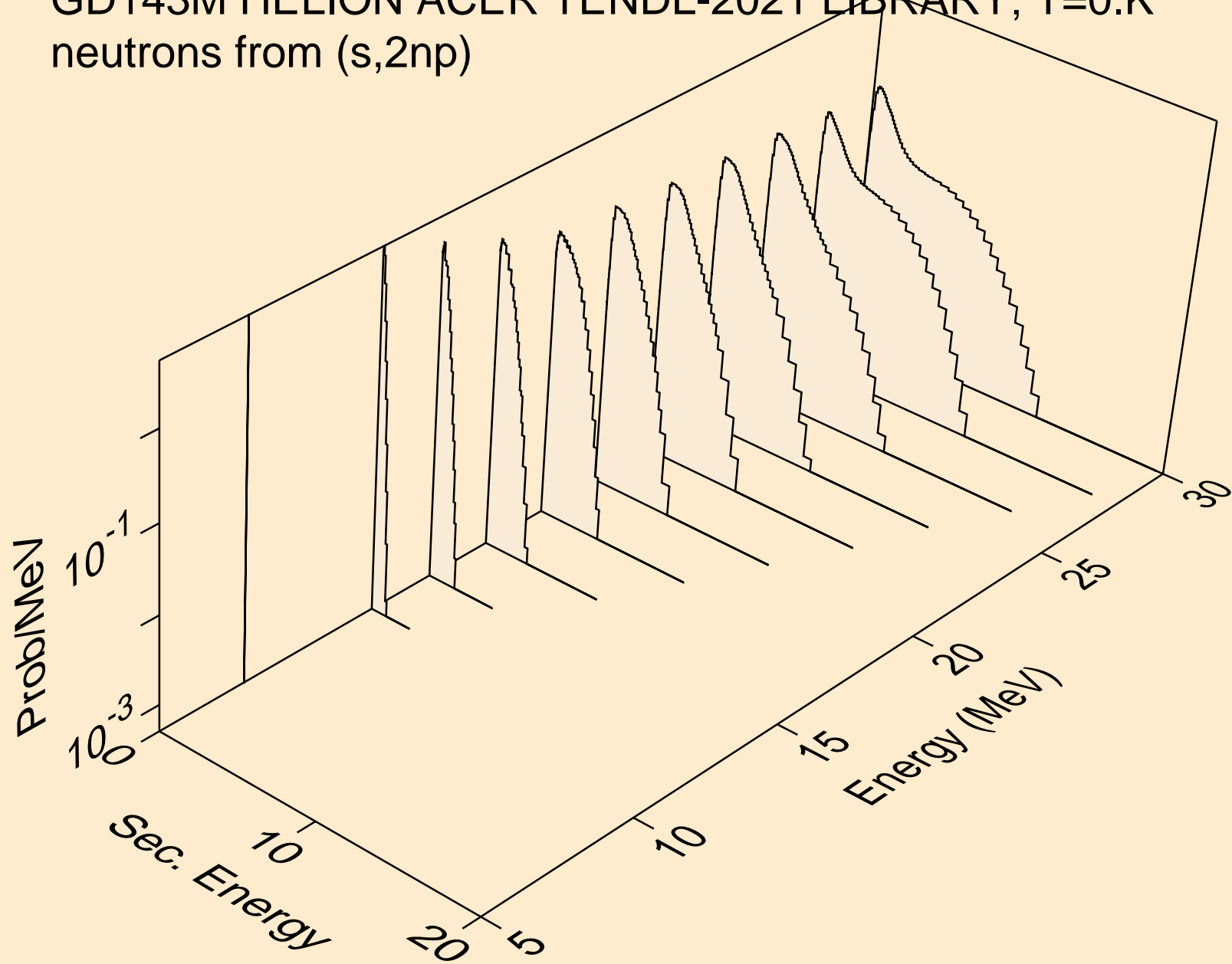
GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)he3



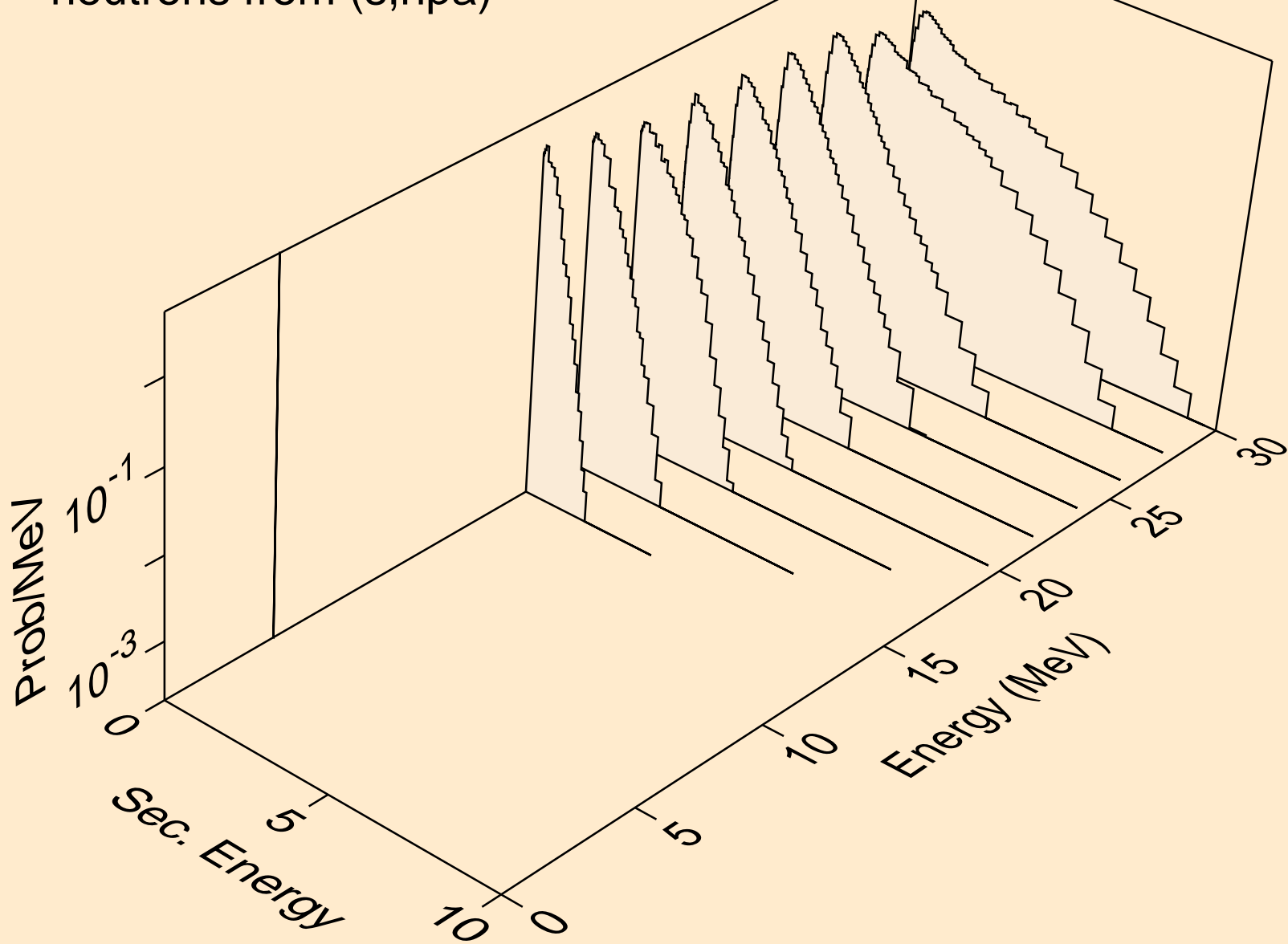
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neutrons from (s,2np)



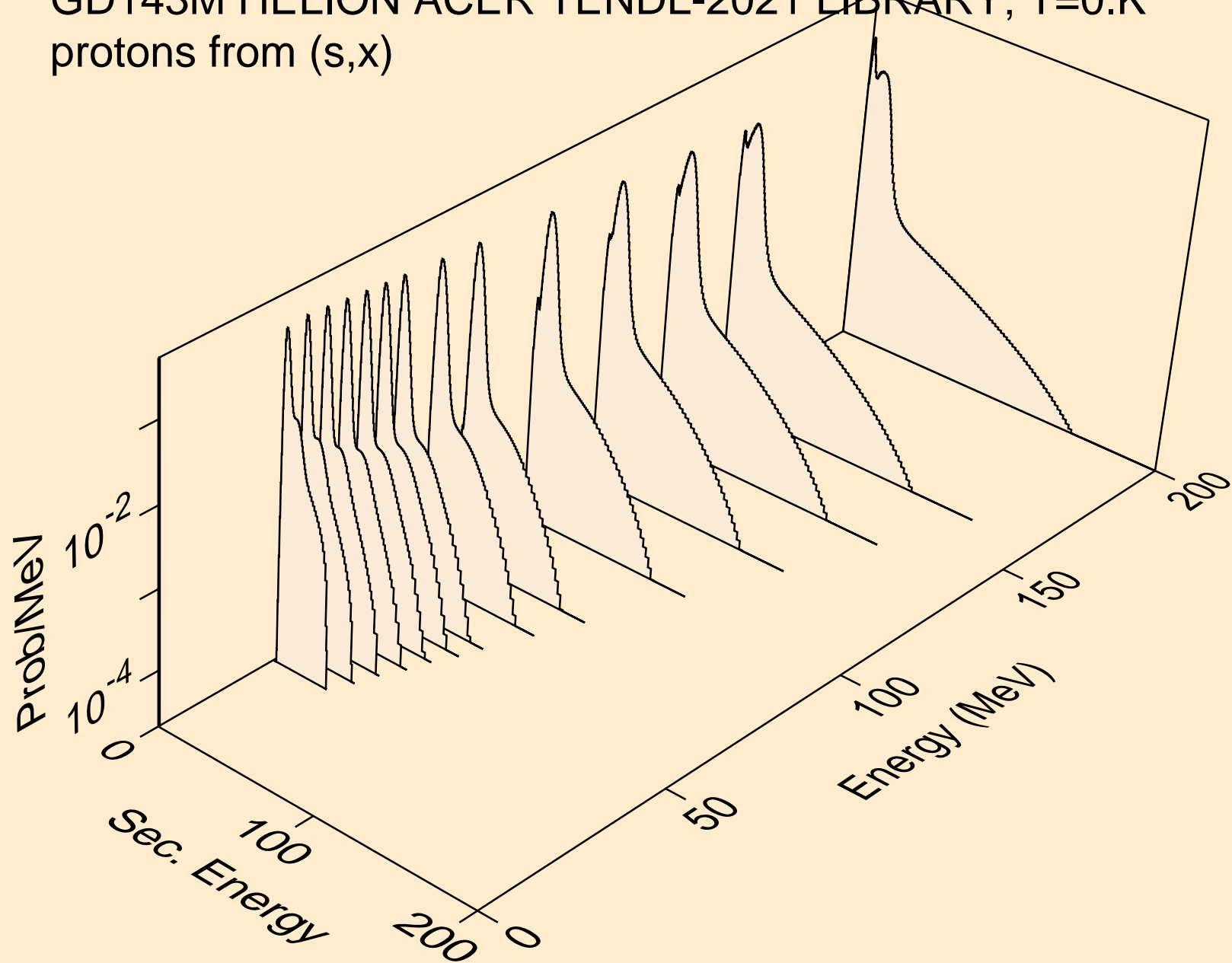
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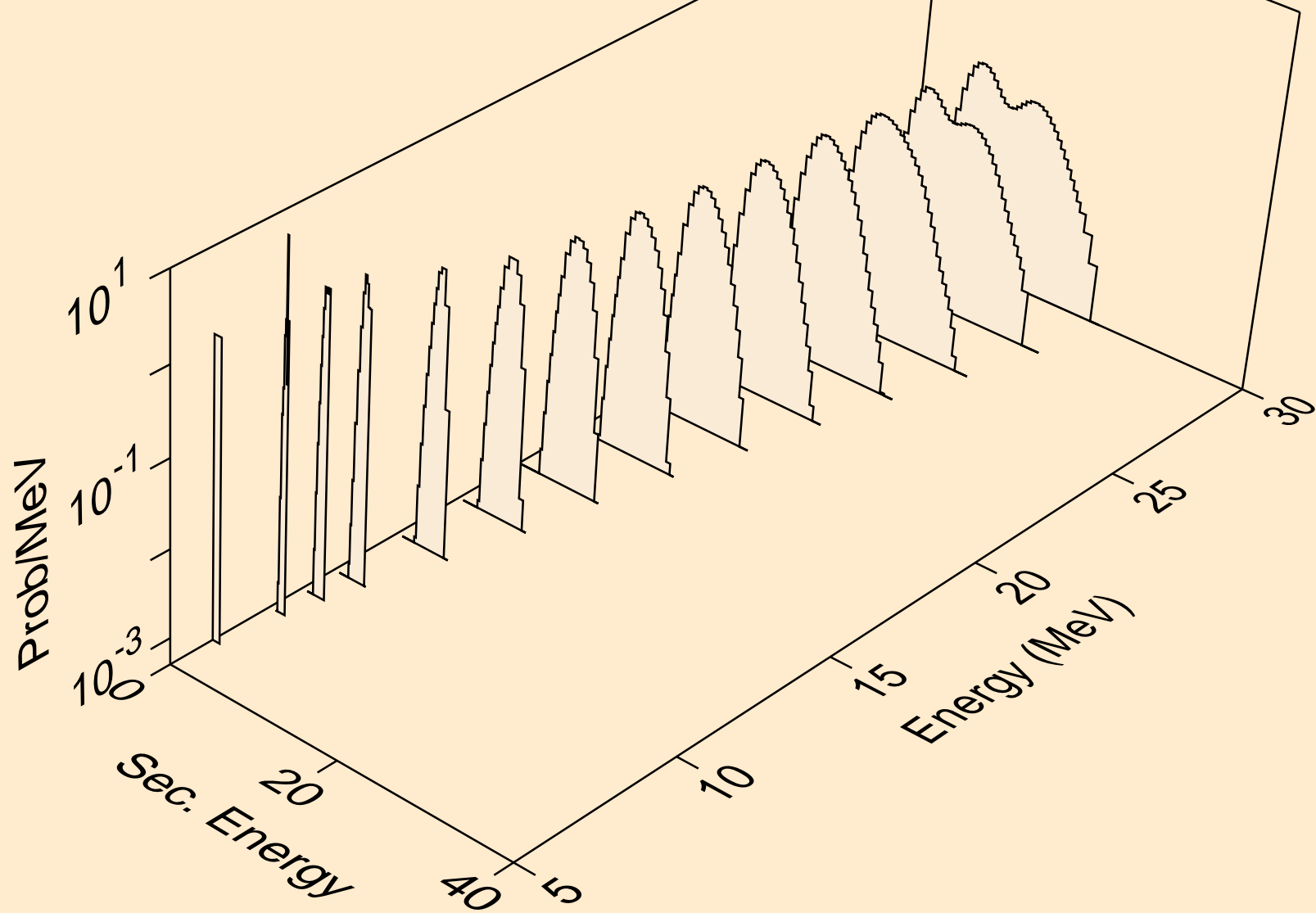
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neutrons from (s,npa)



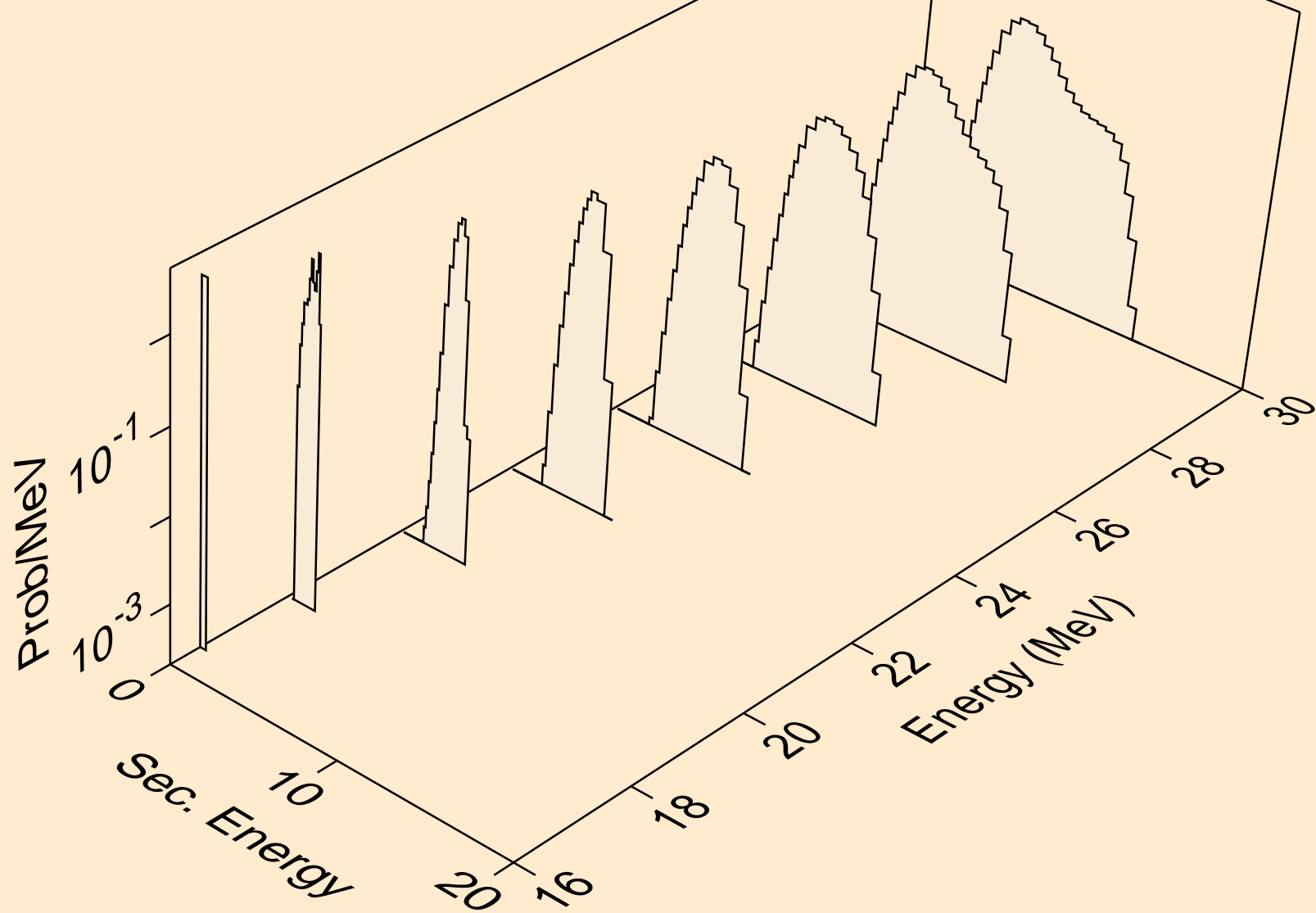
GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,x)



GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,n\*)p

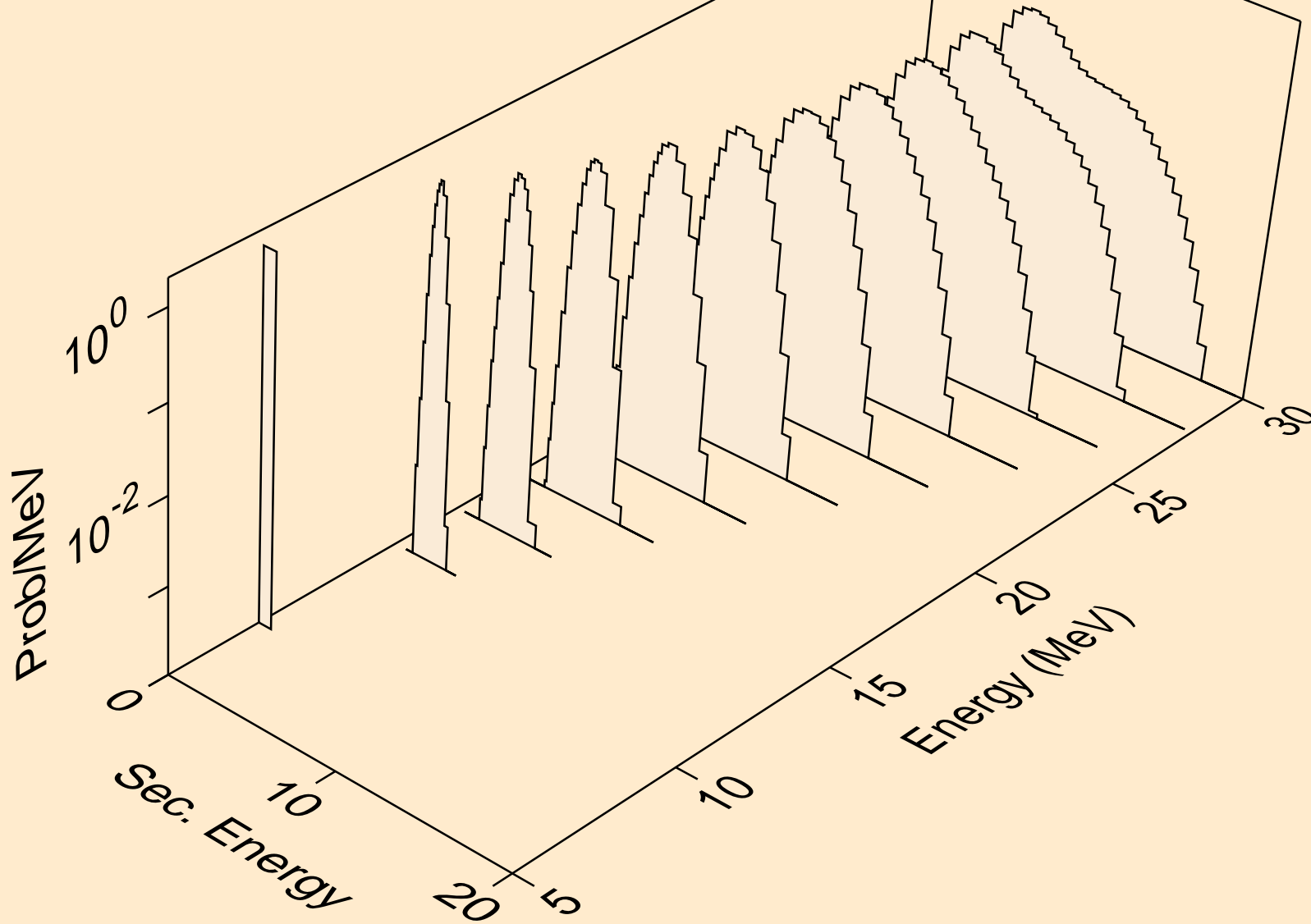


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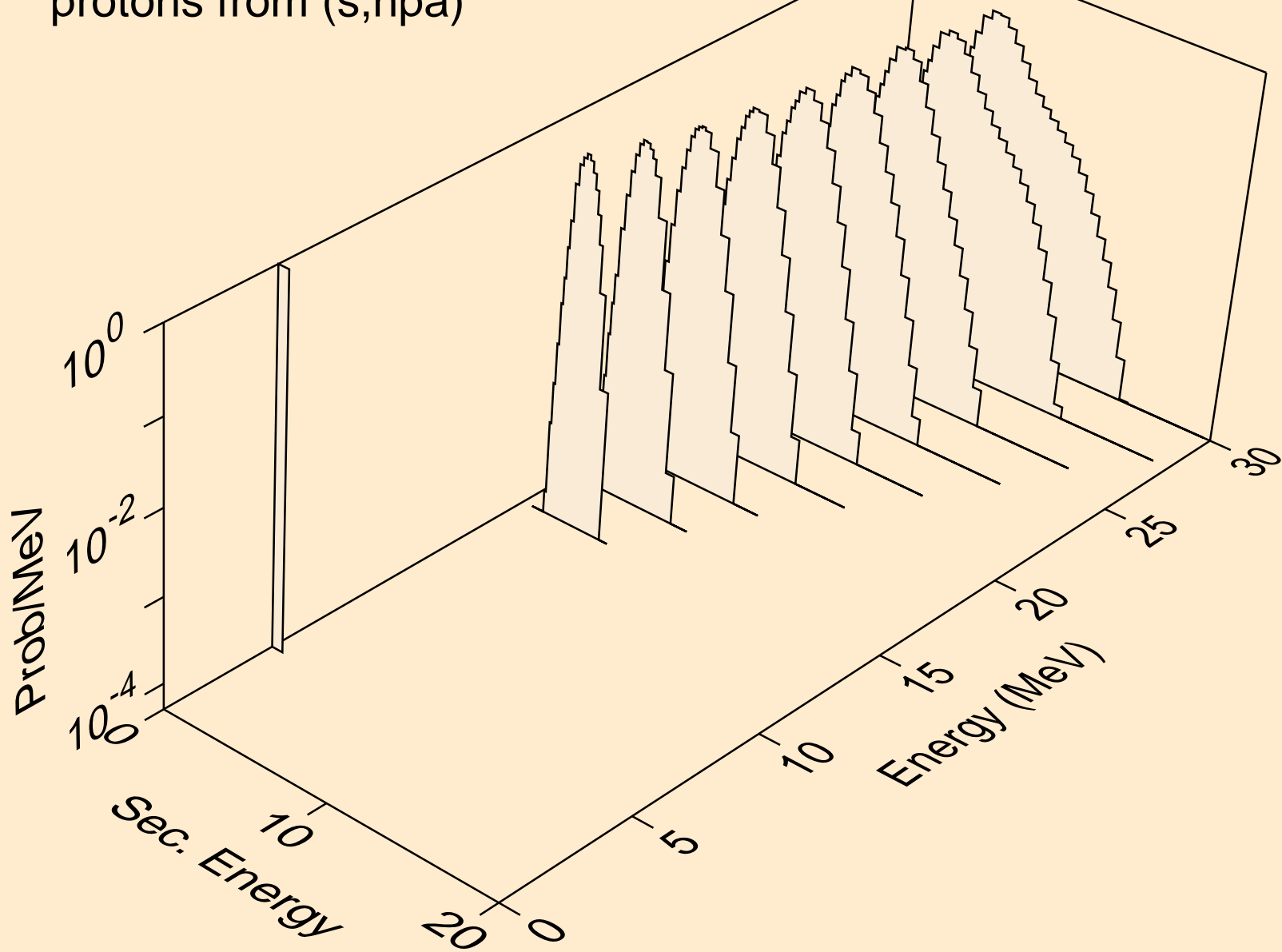




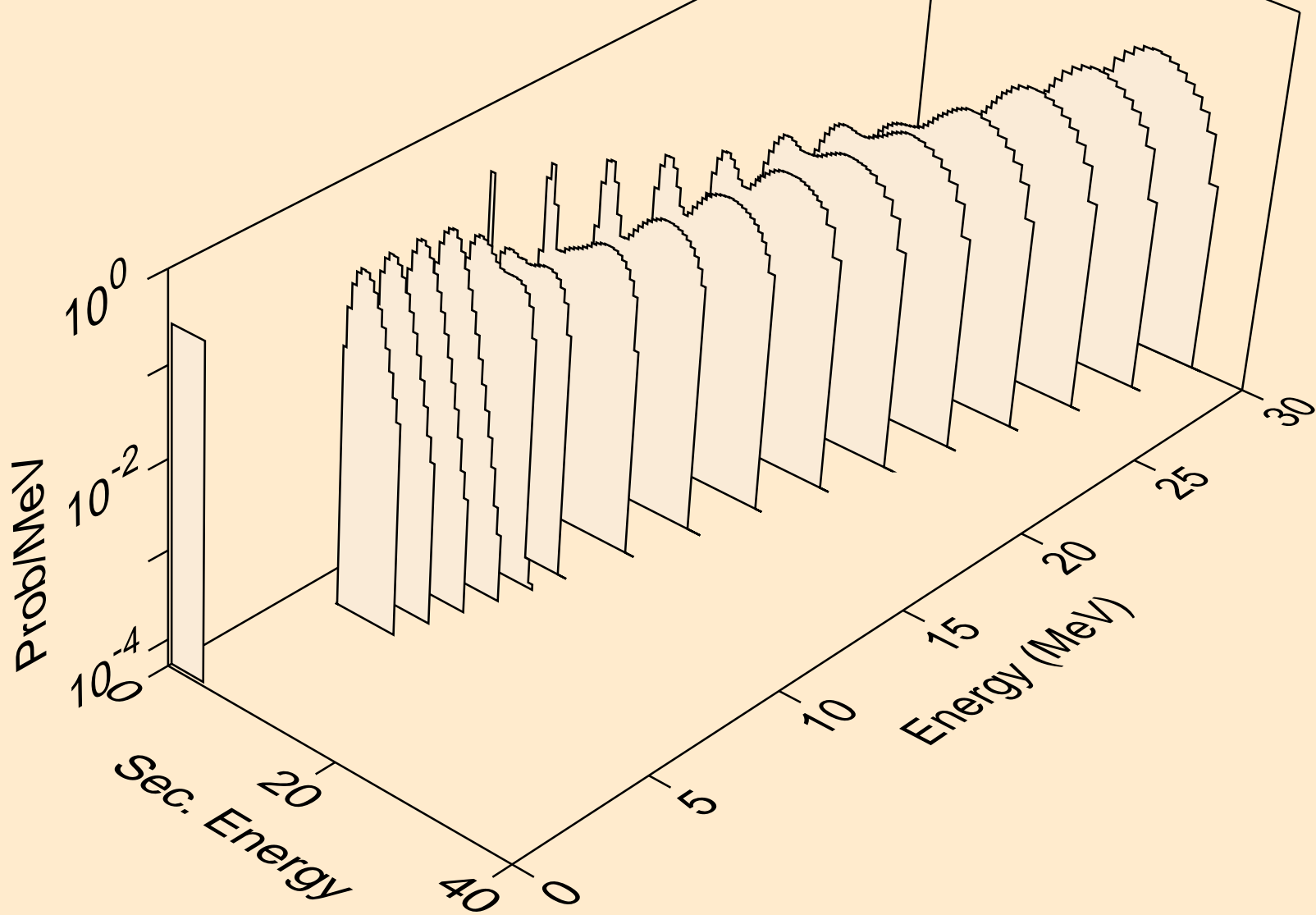
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protons from (s,2np)



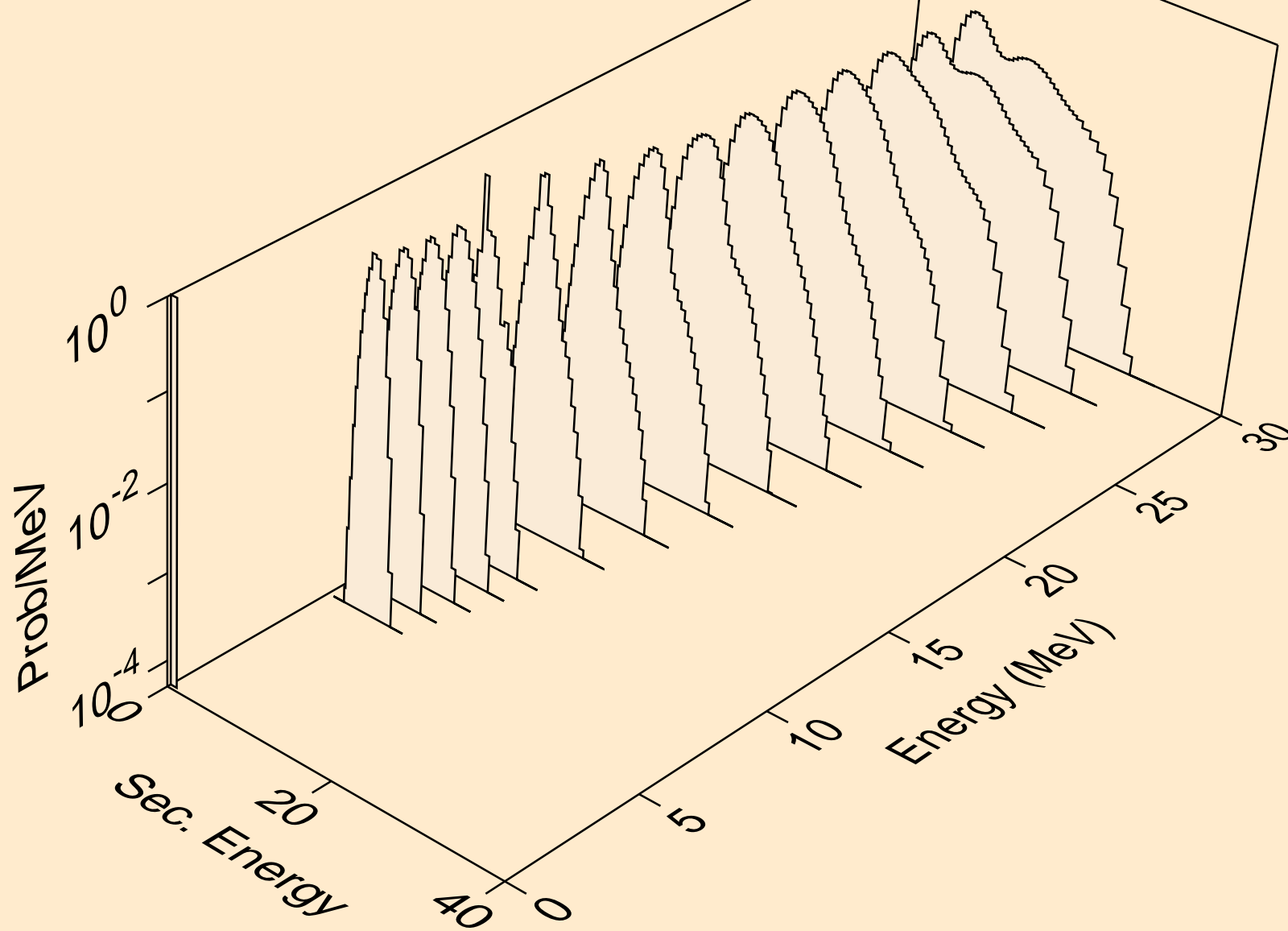
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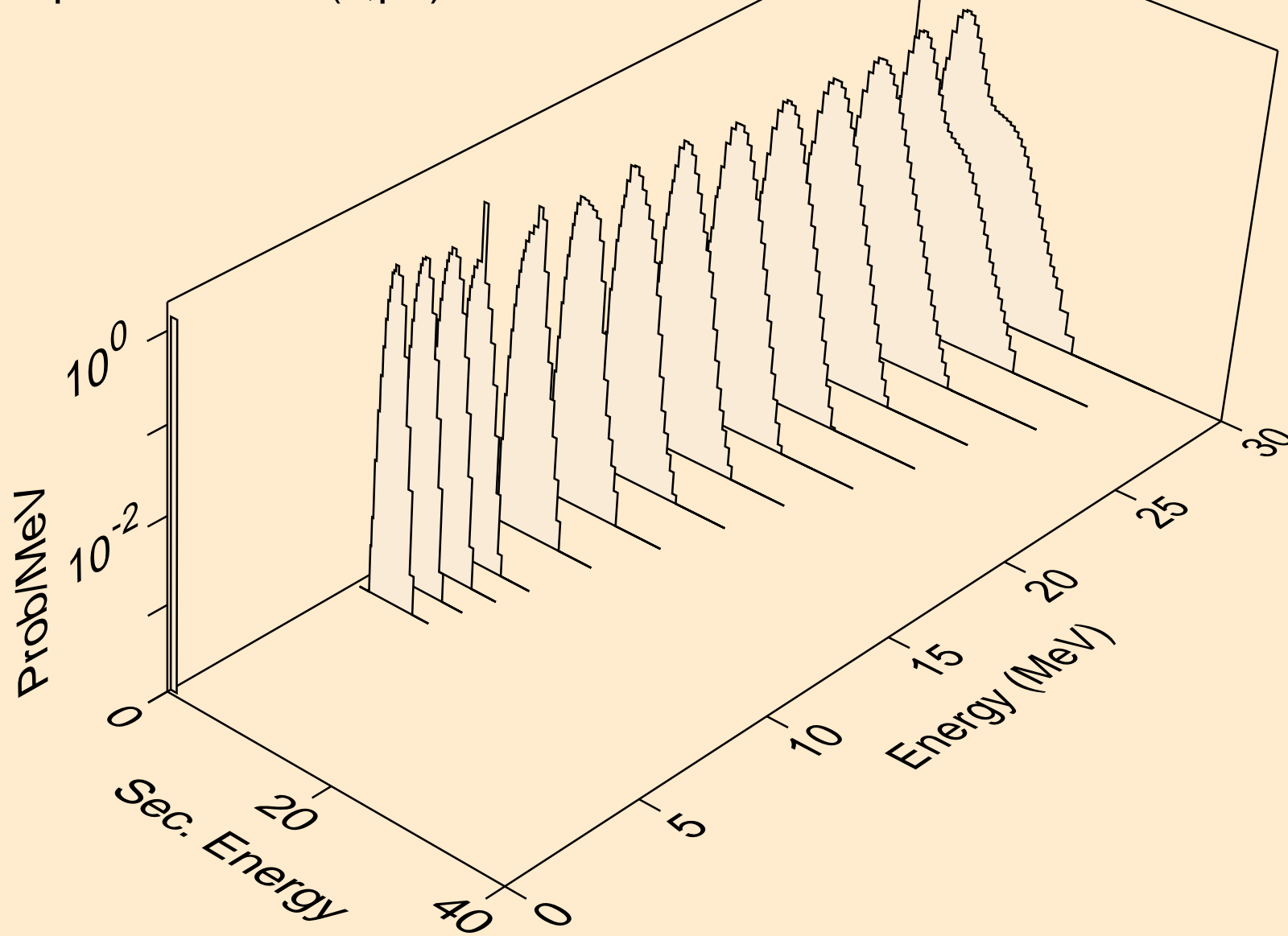
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protons from (s,p)



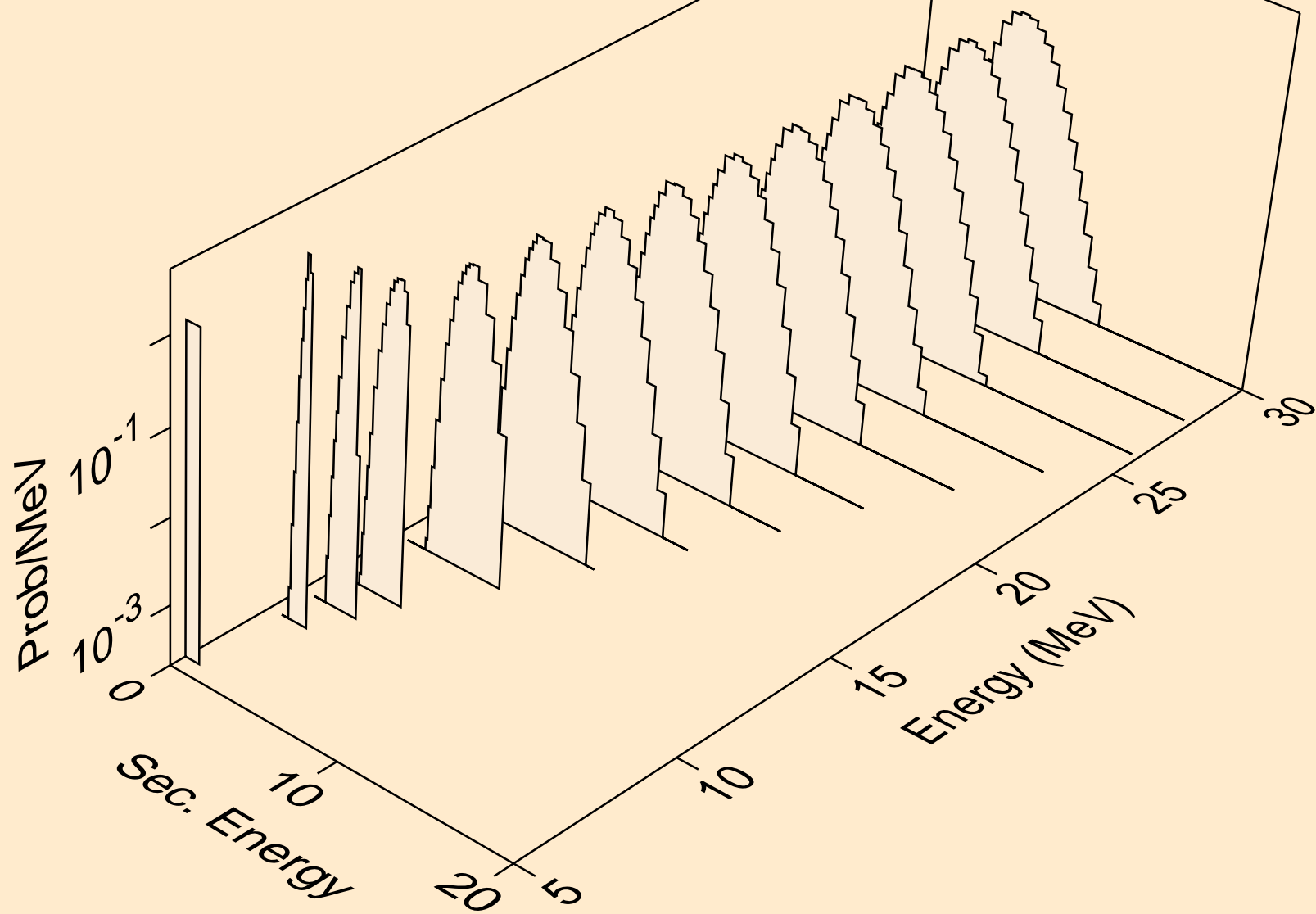
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protons from (s,2p)



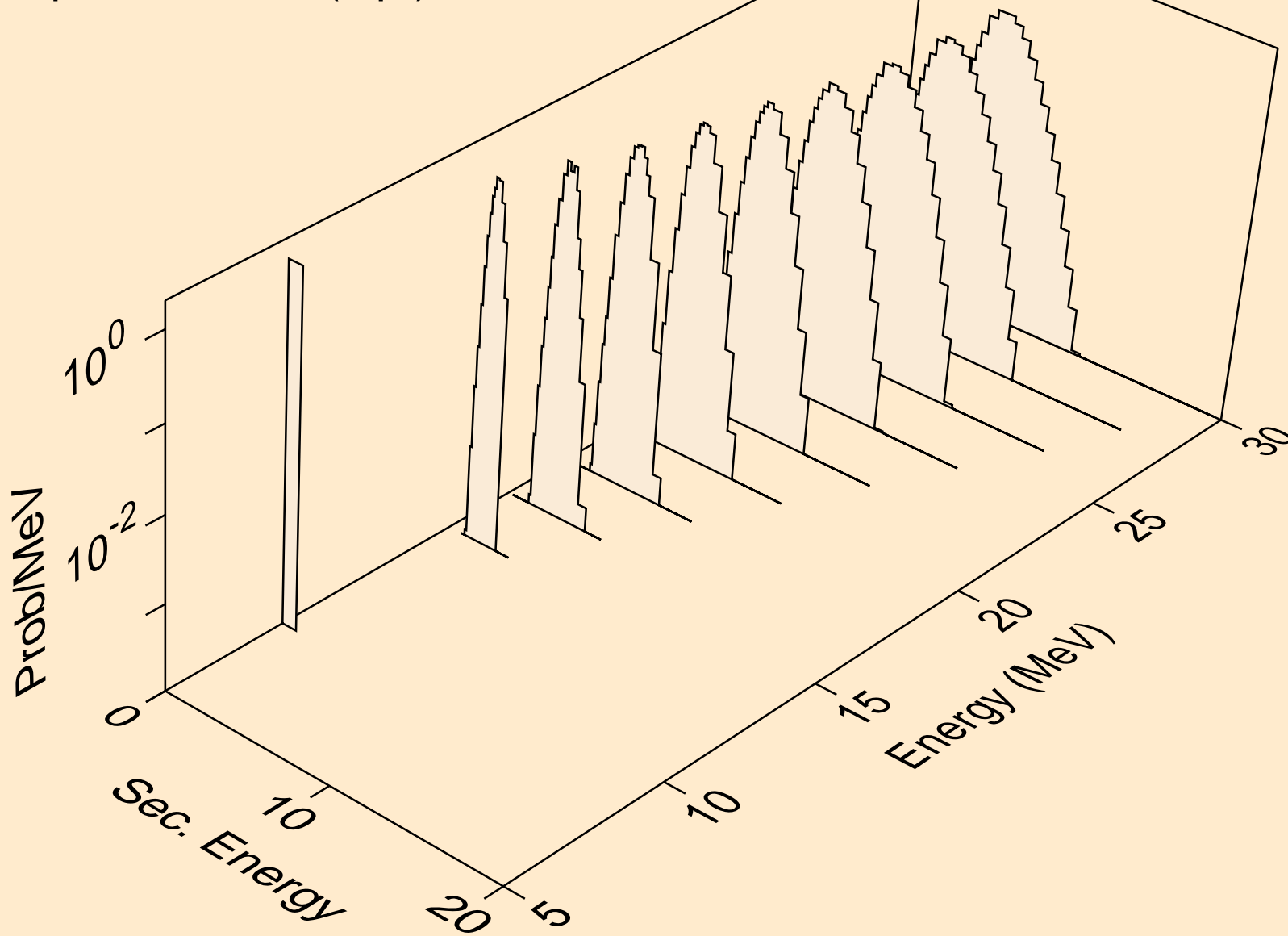
GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,pa)



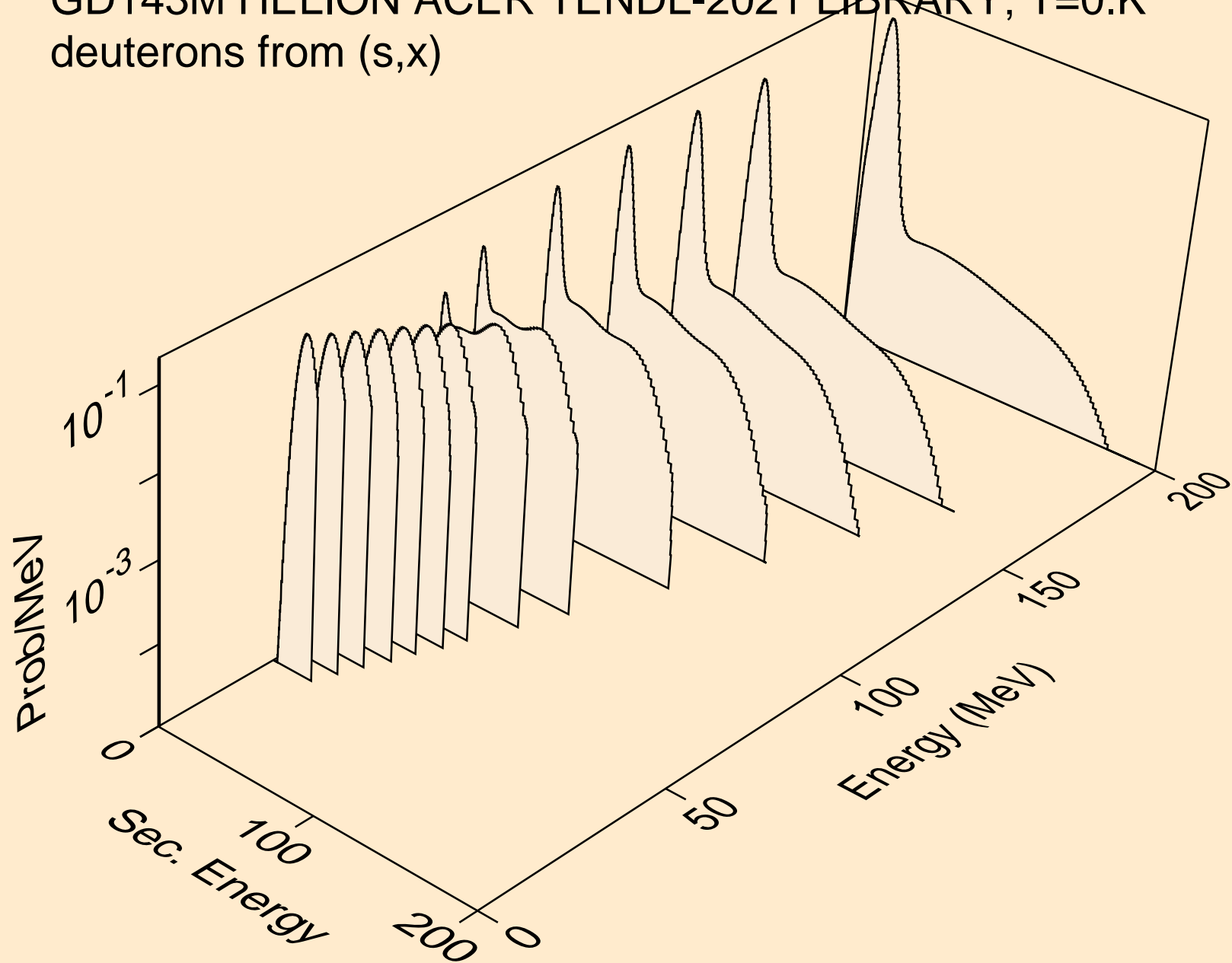
GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,pd)



GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,pt)

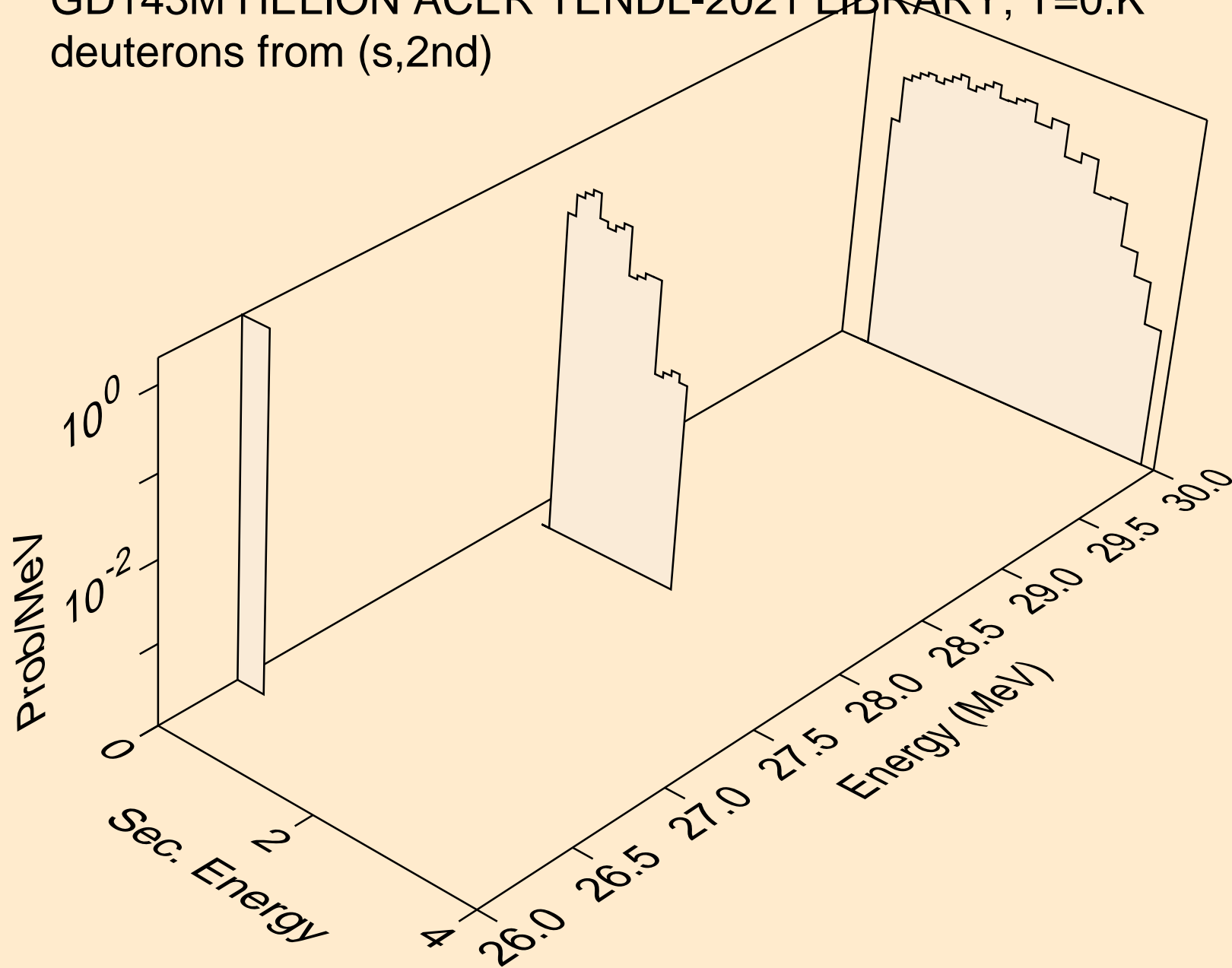


GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,x)

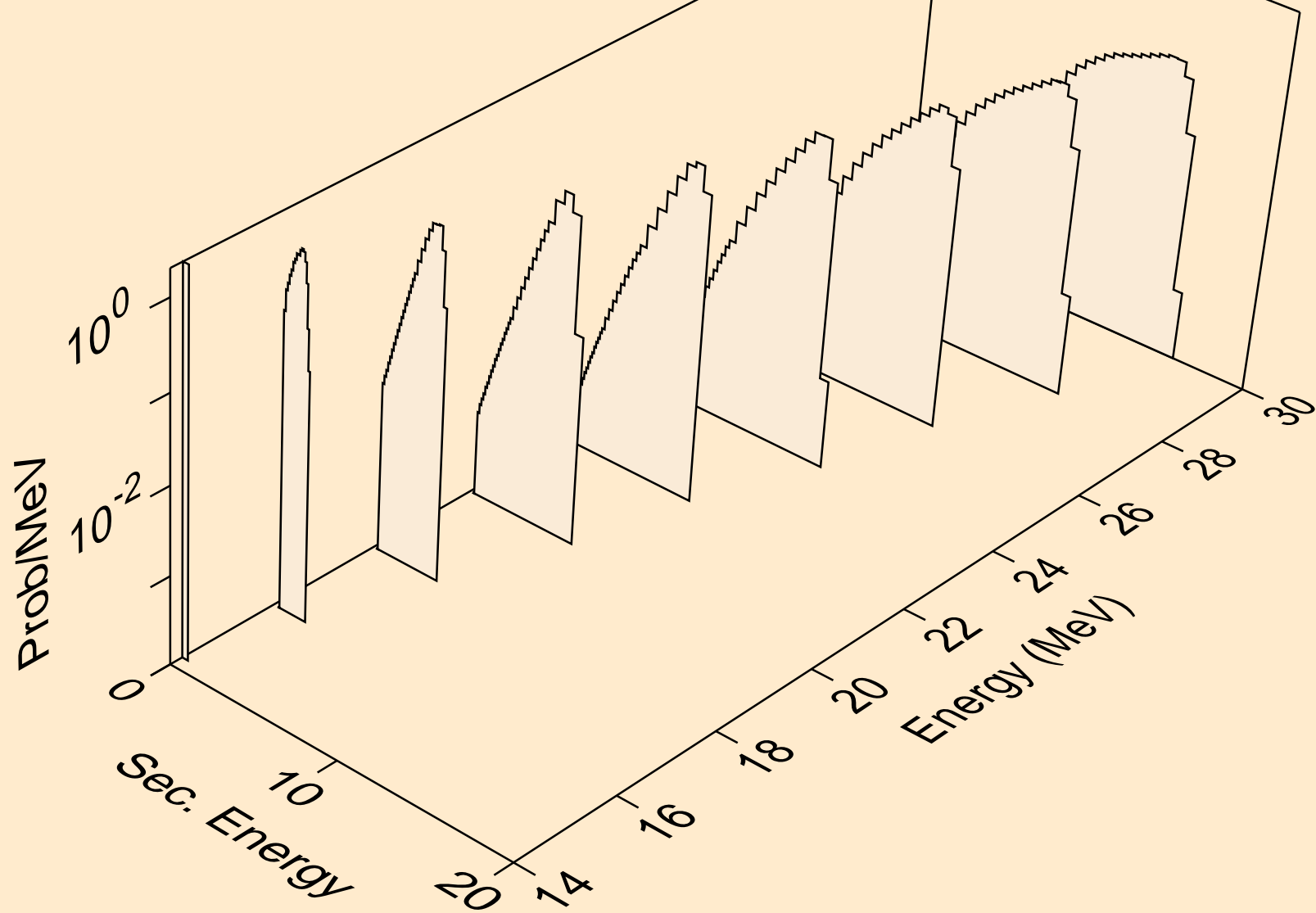




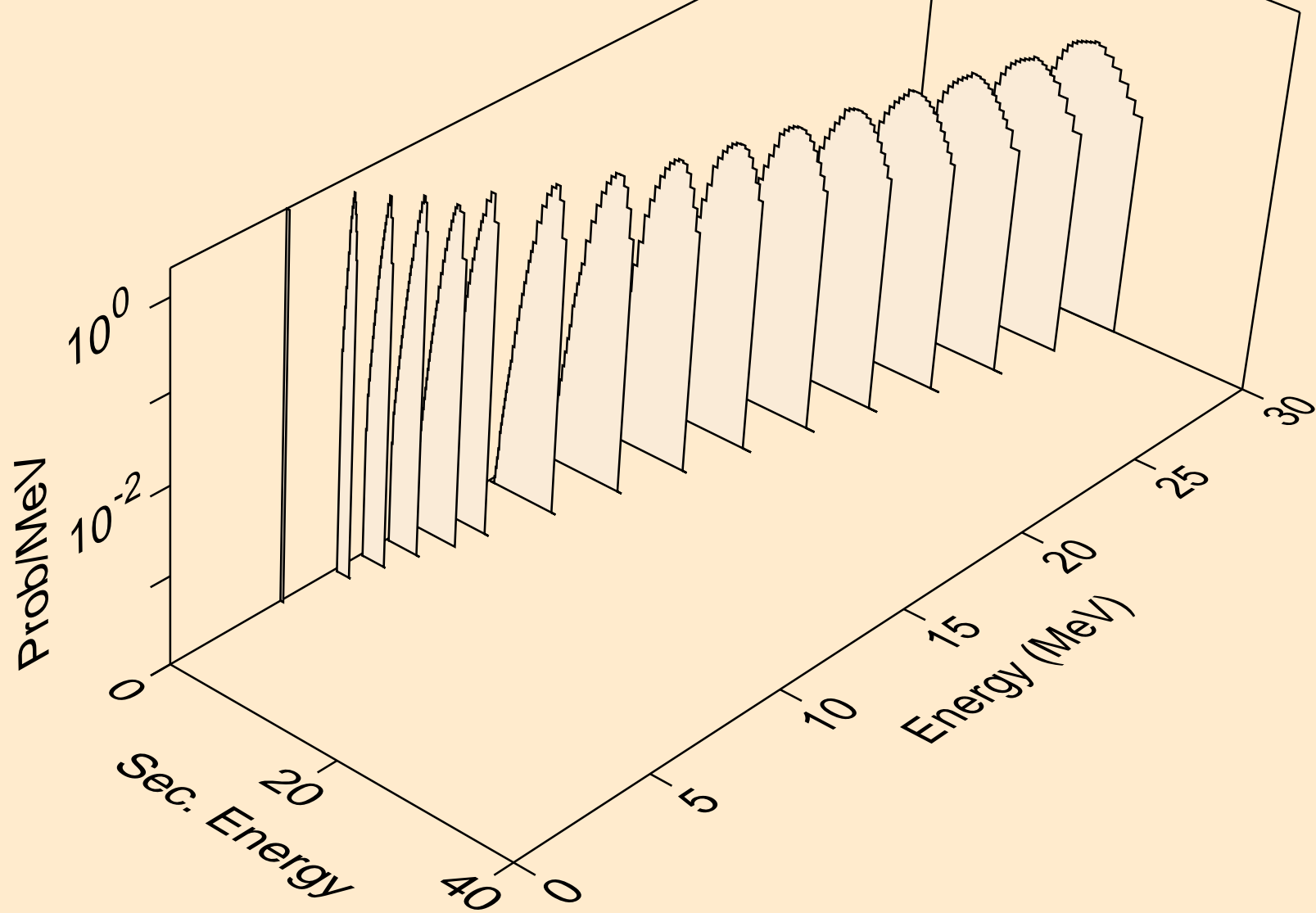
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deuterons from (s,2nd)



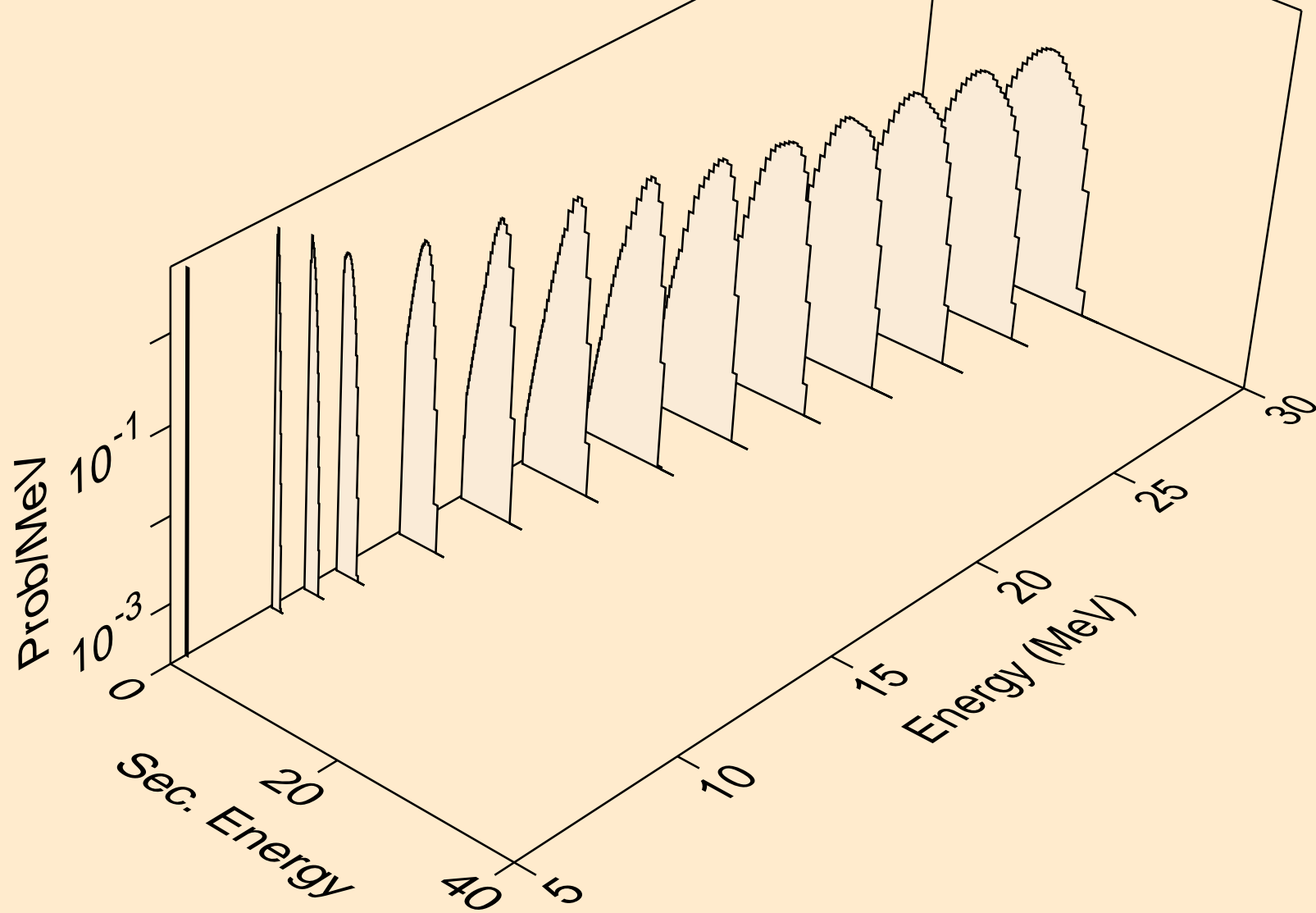
GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,n\*)d



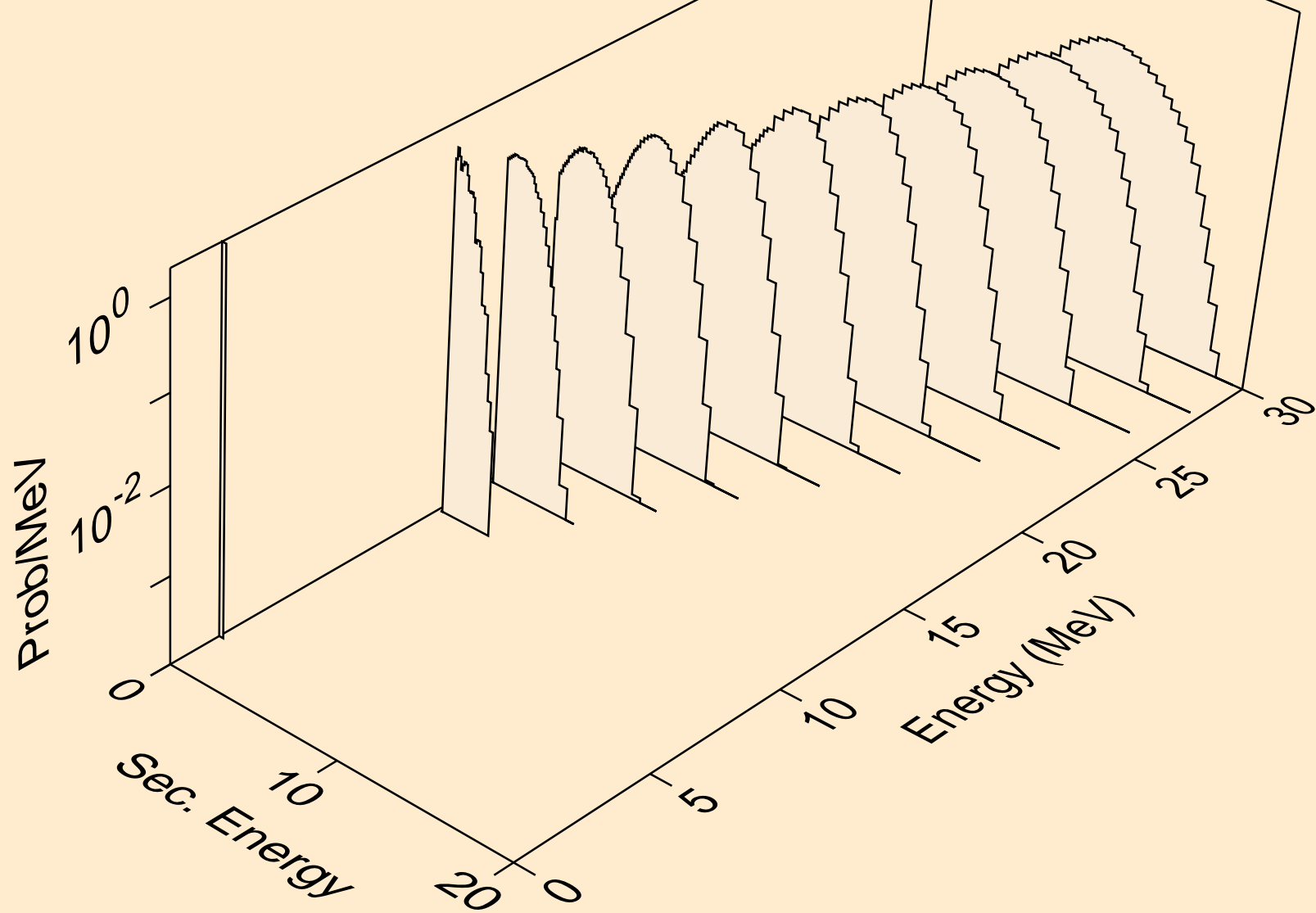
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deuterons from (s,d)



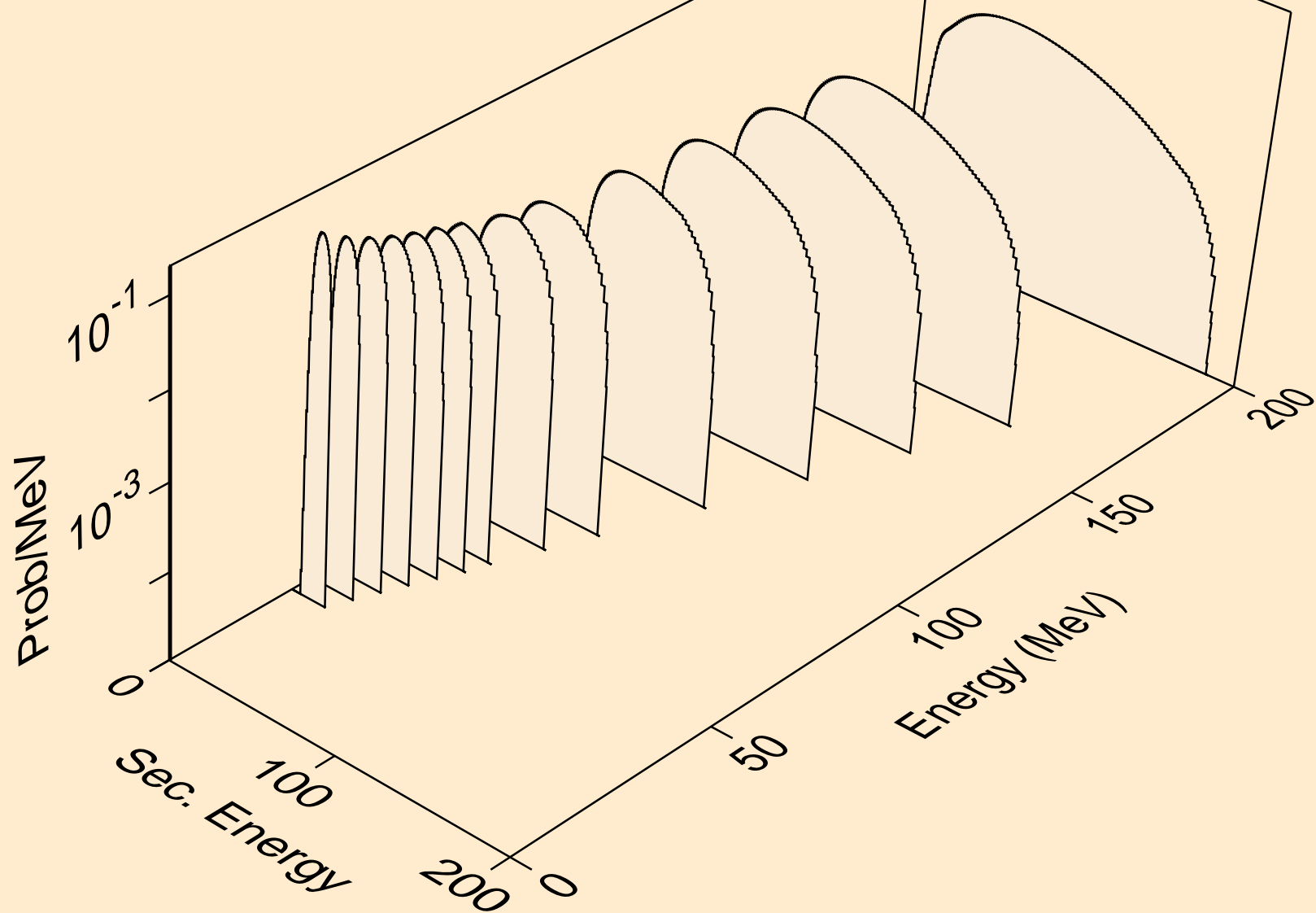
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deuterons from (s,pd)



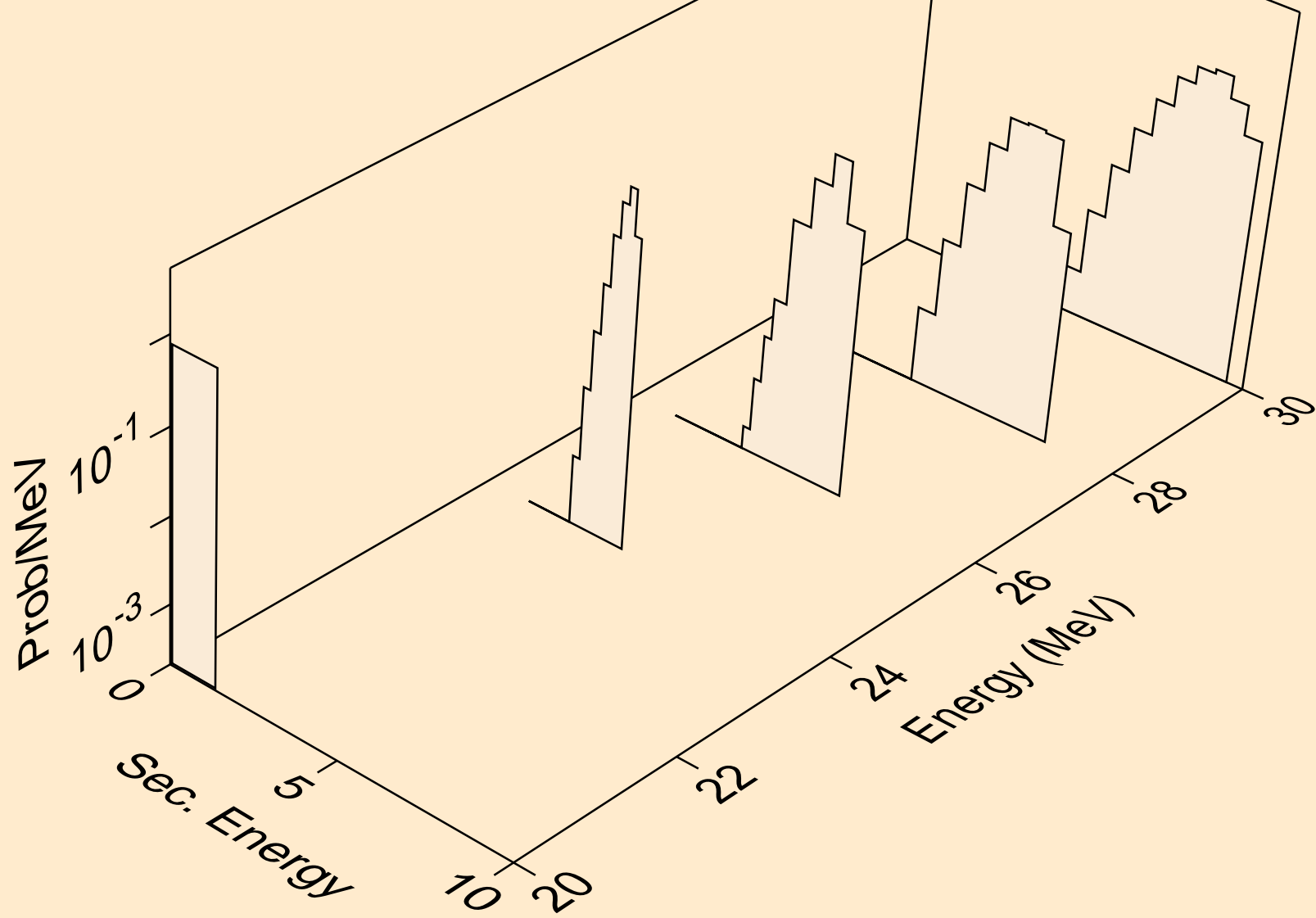
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deuterons from (s,da)



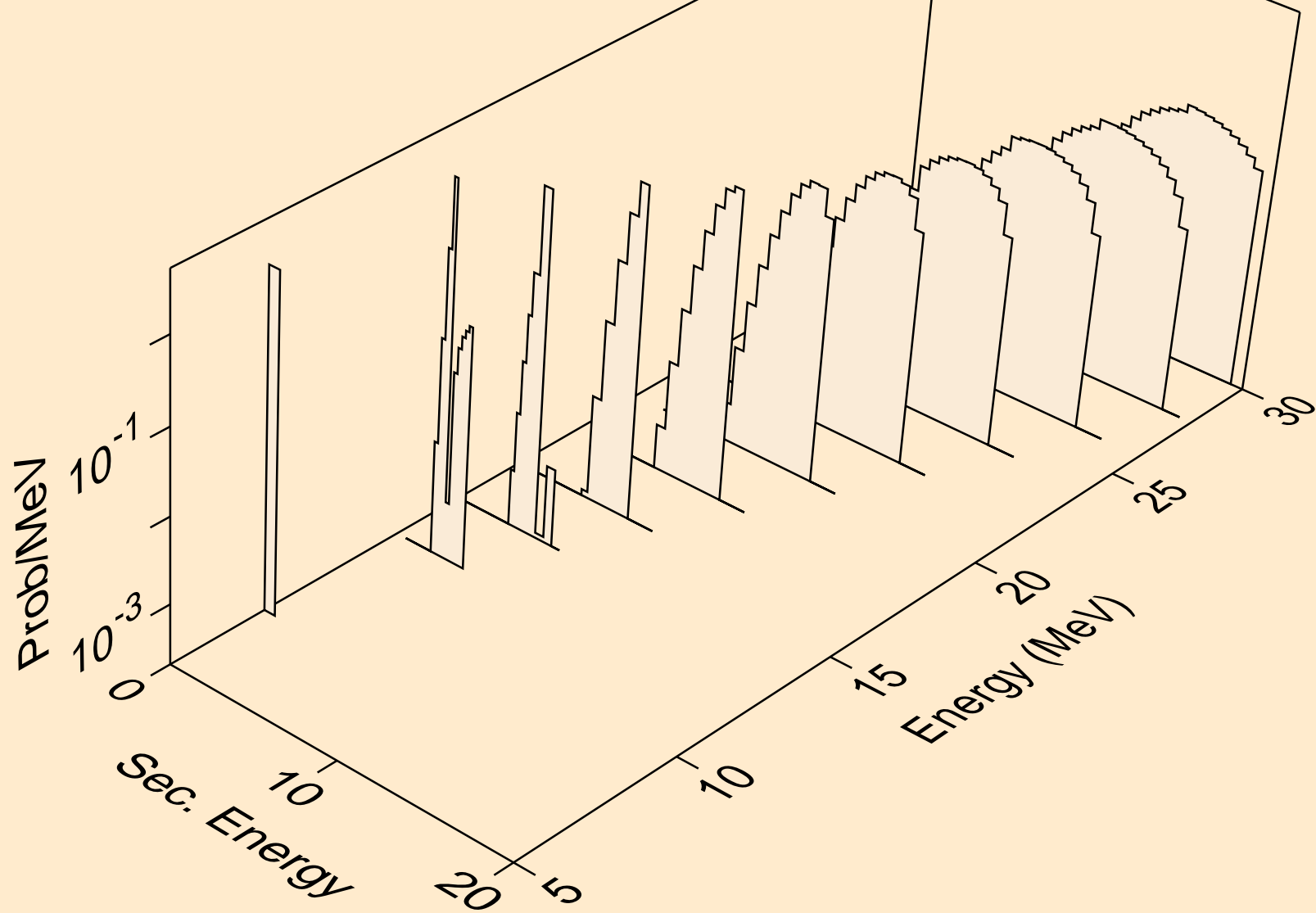
GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,x)



GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,n\*)t

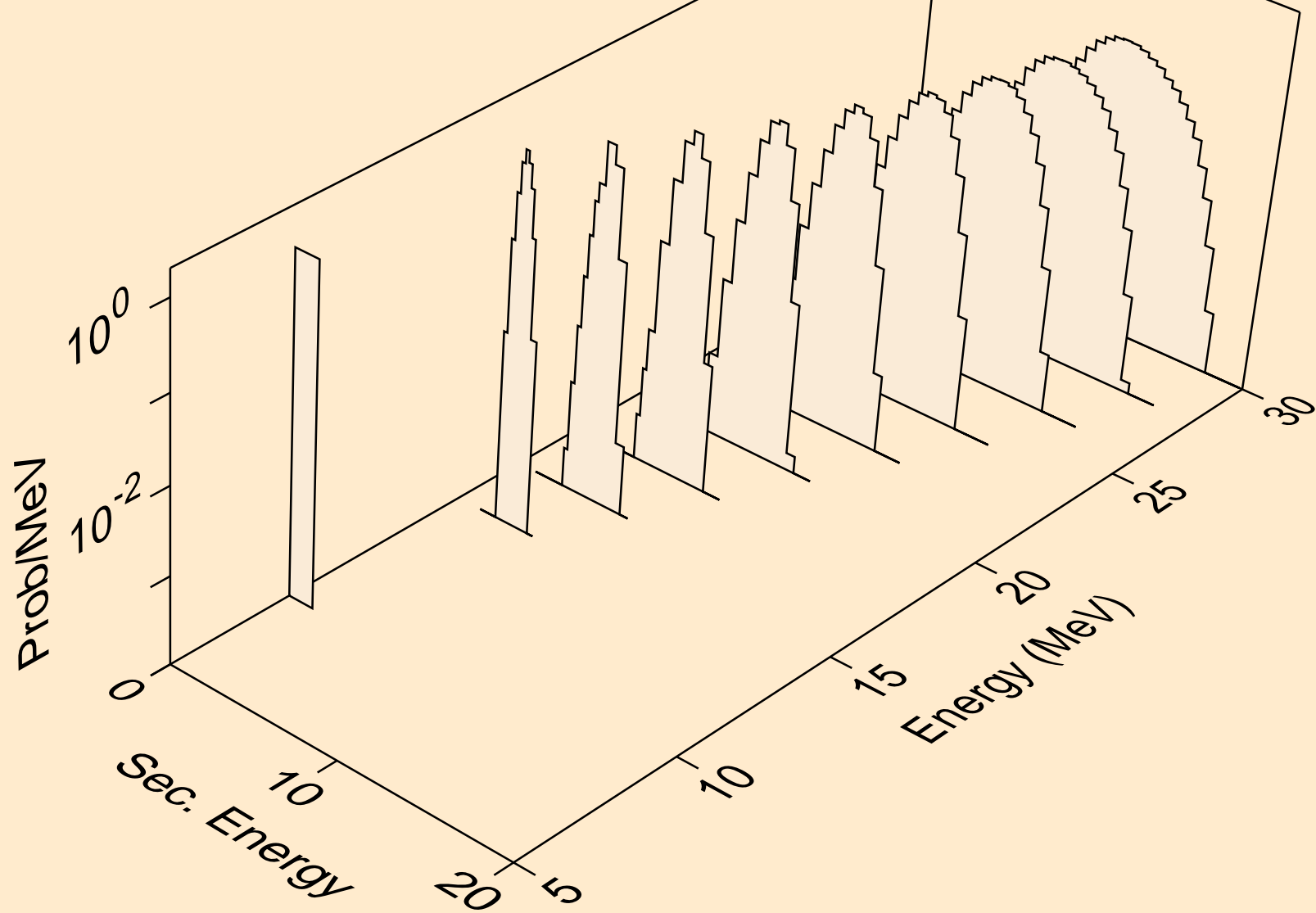


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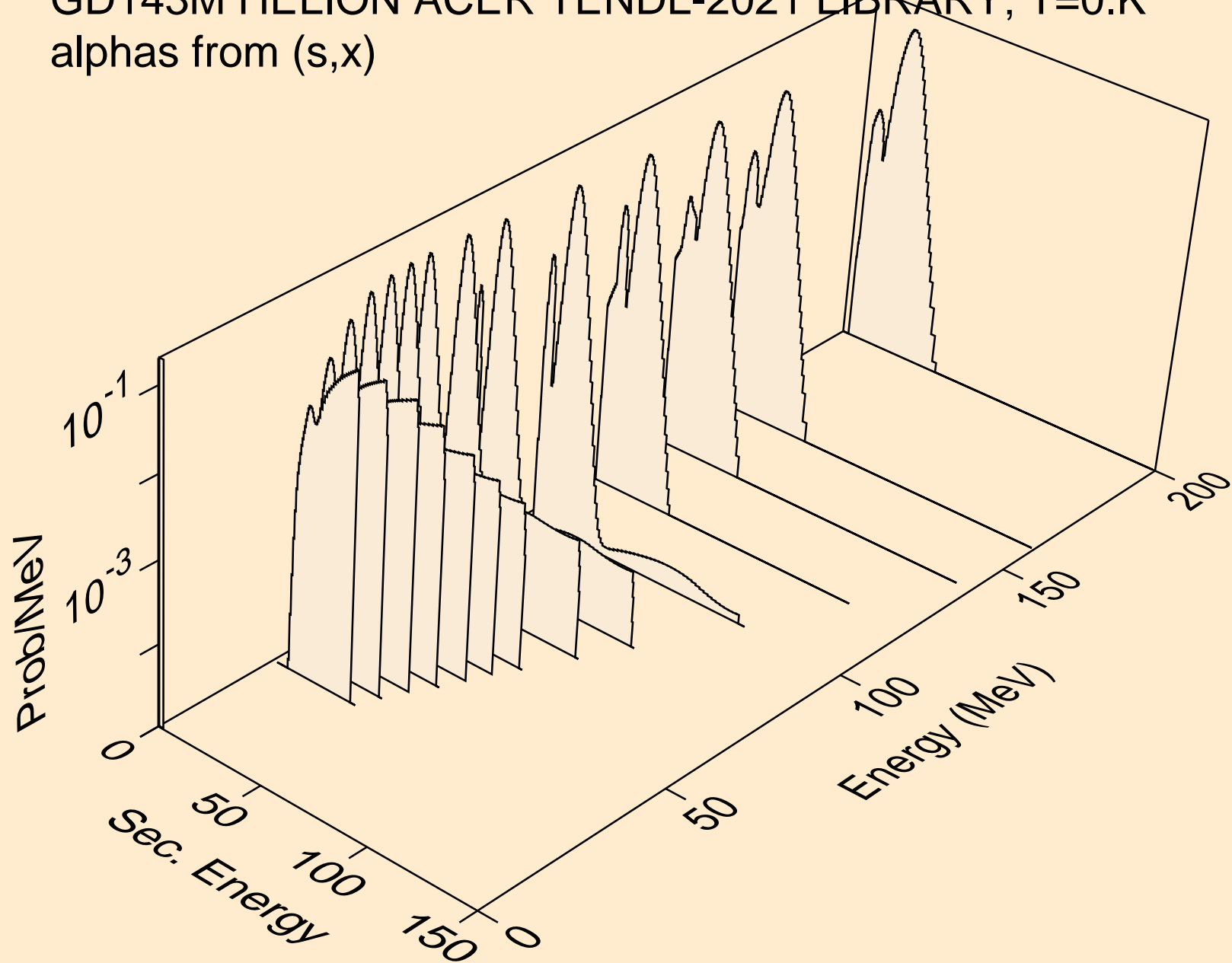




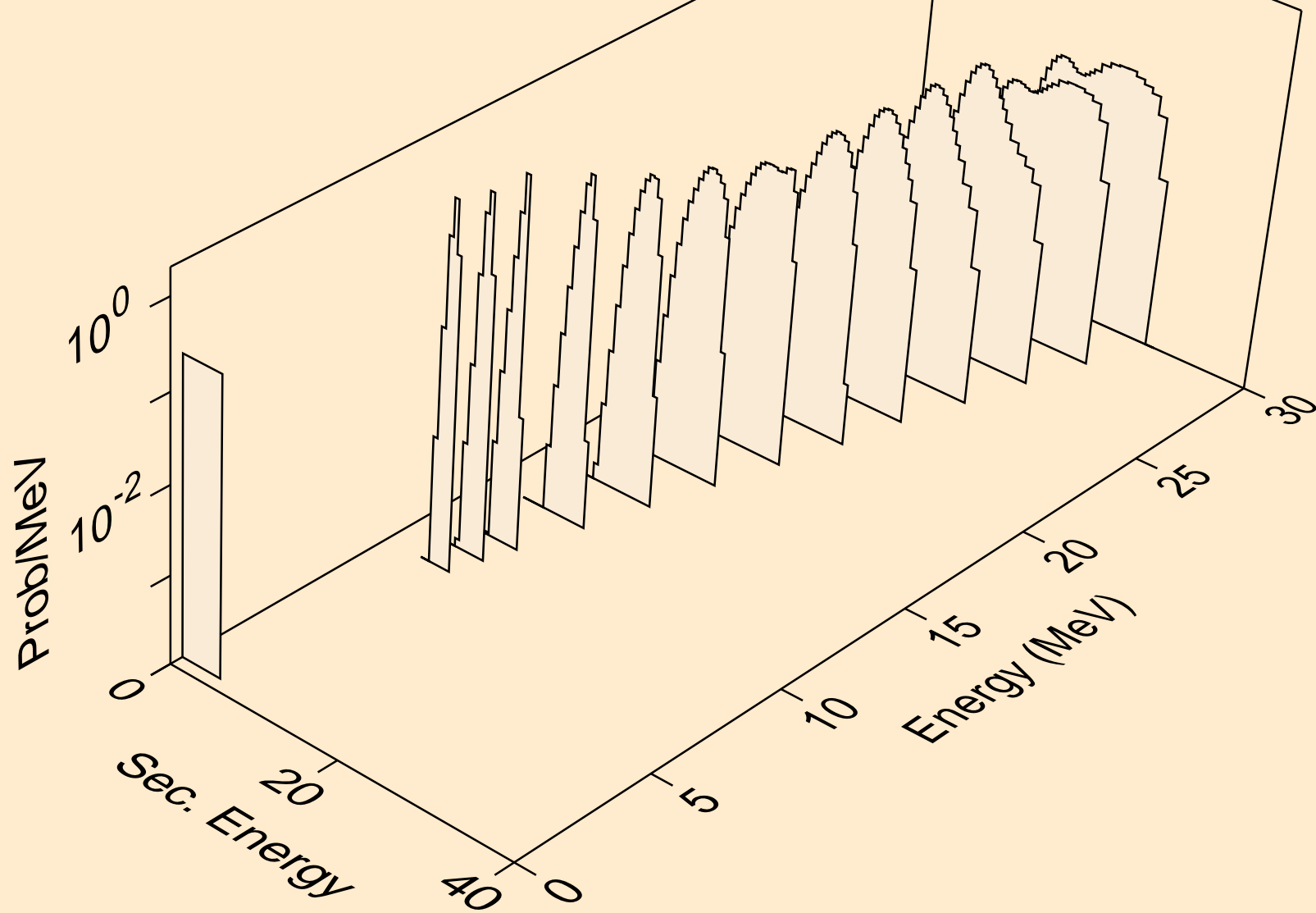
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tritons from (s,pt)



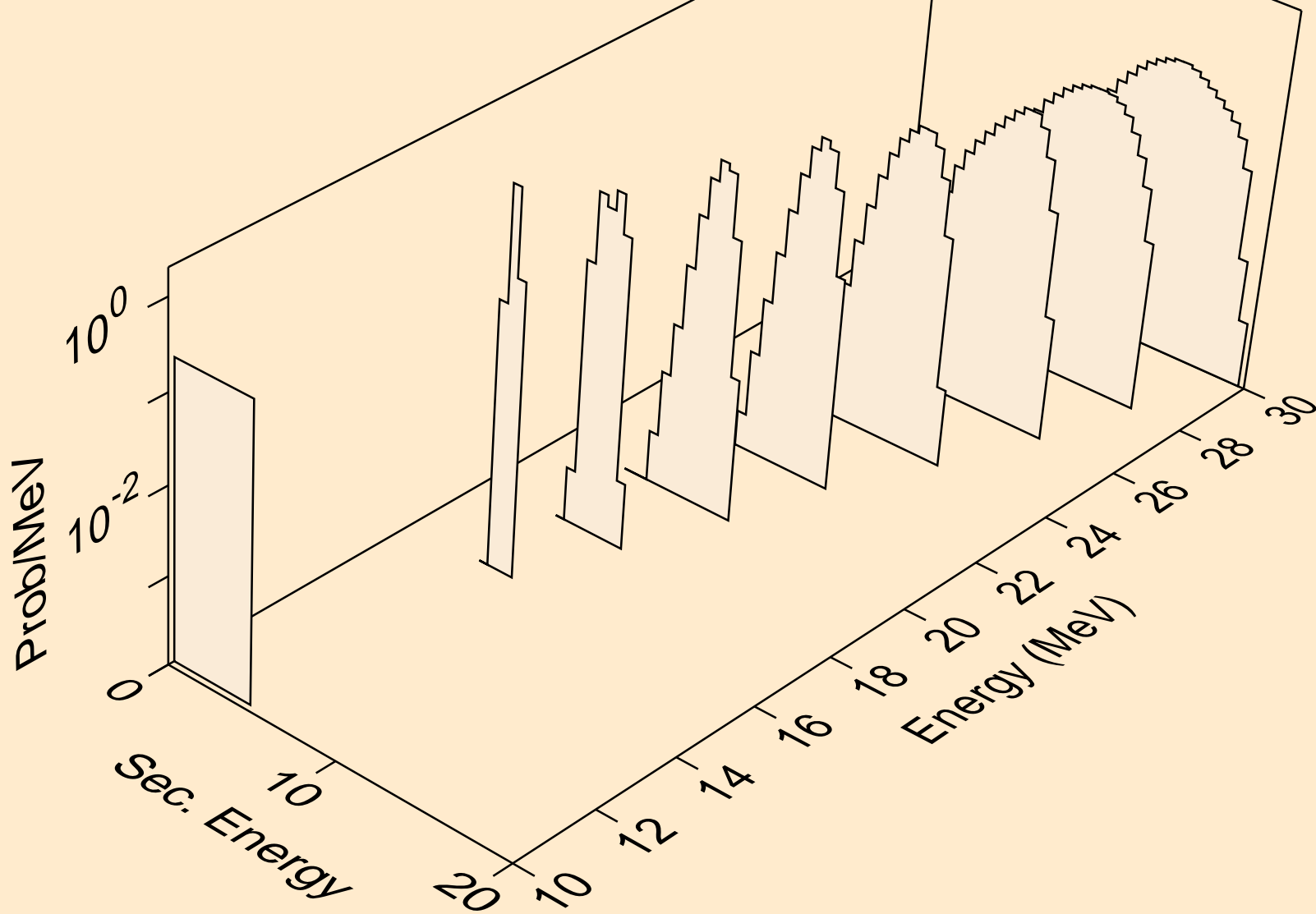
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alphas from (s,x)



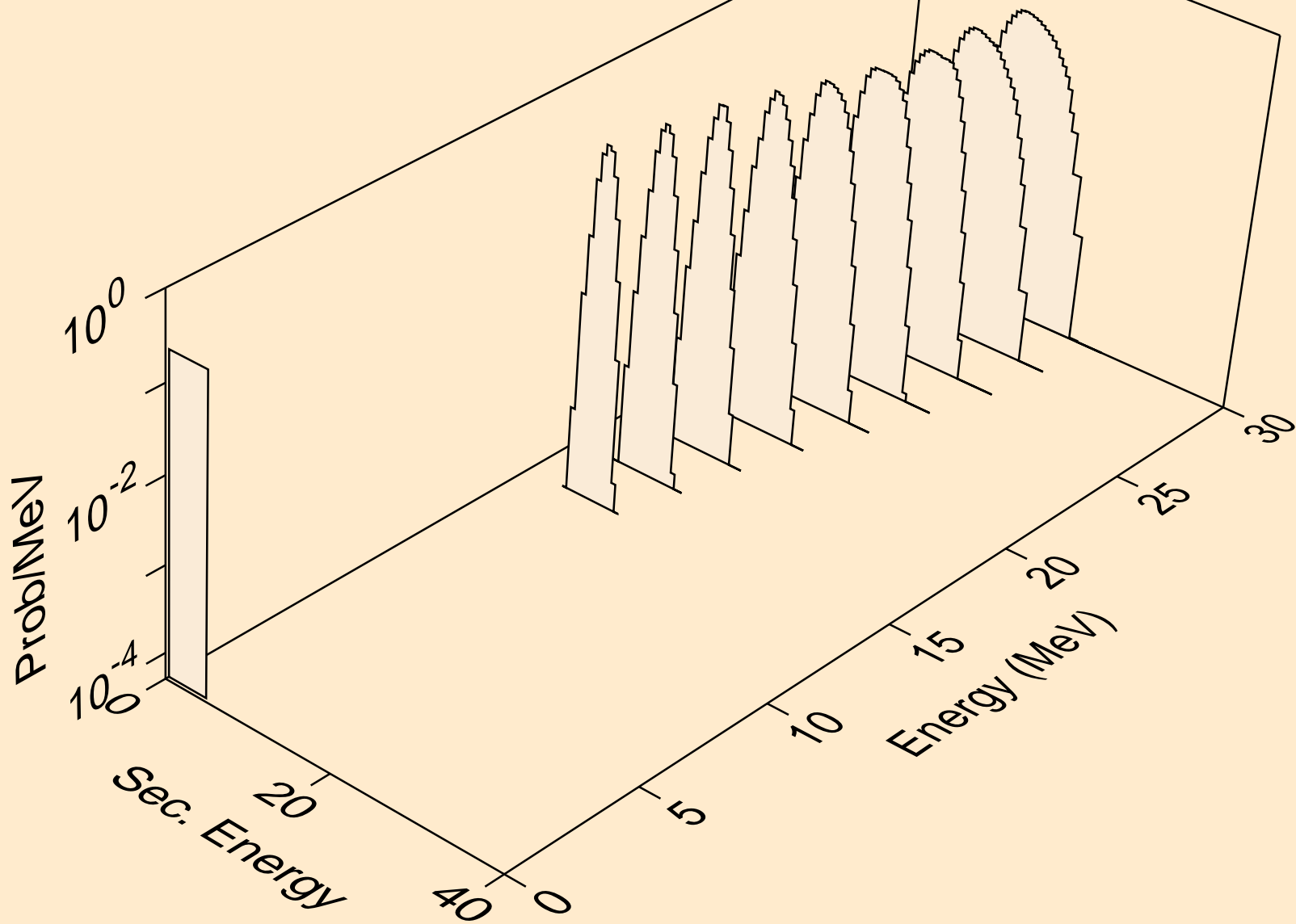
GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,n\*)a



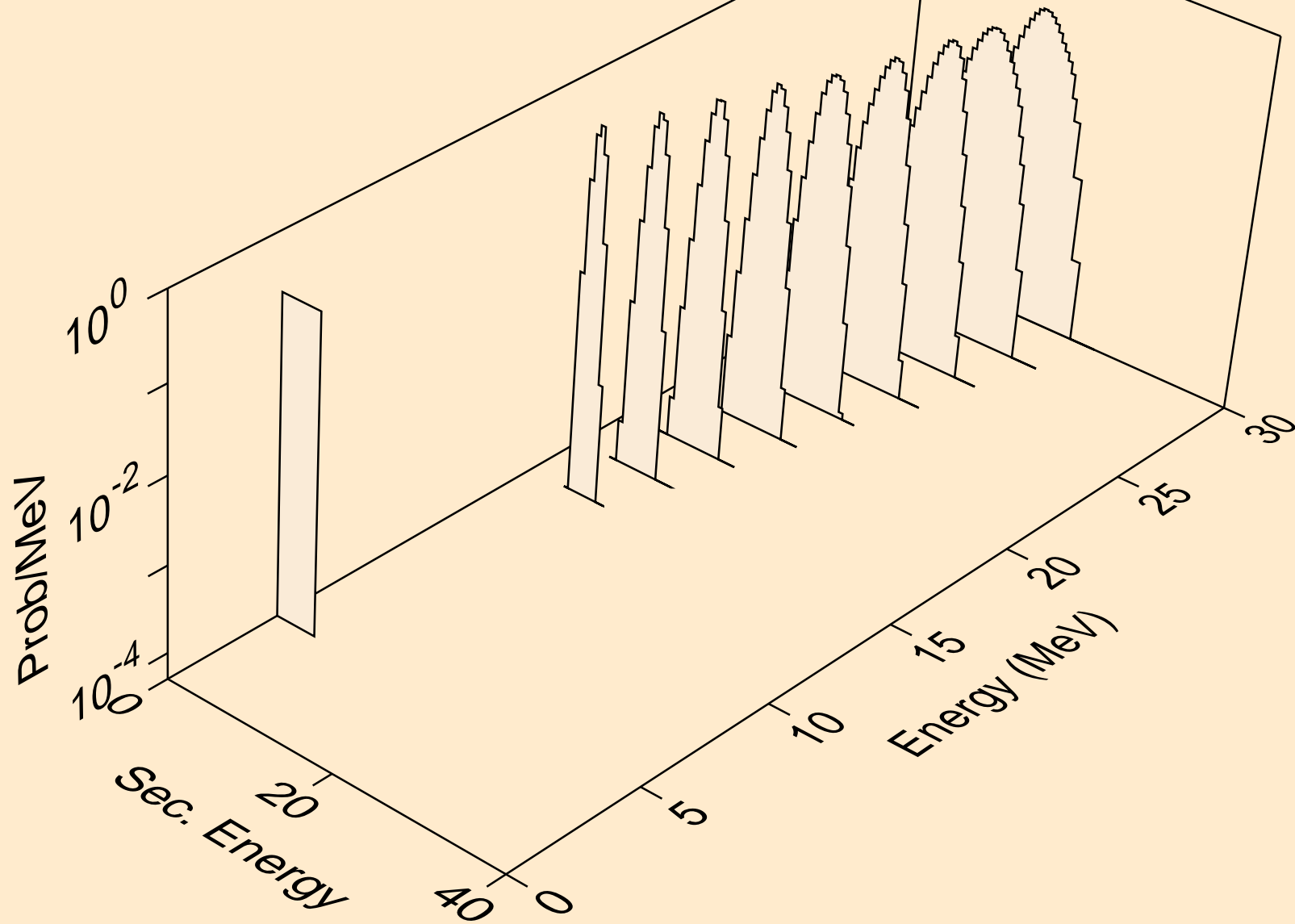
GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,2n)a



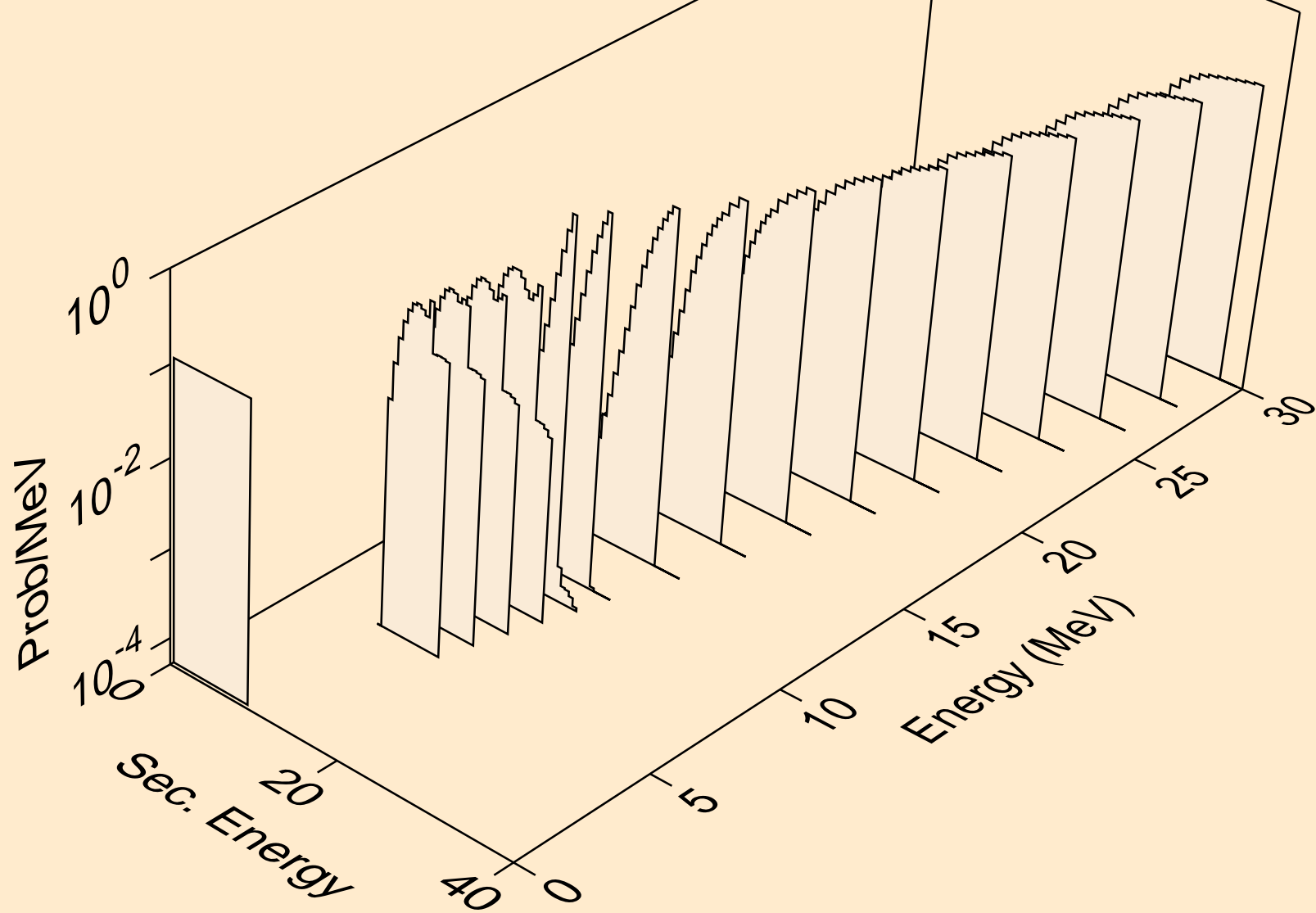
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alphas from (s,n\*)2a



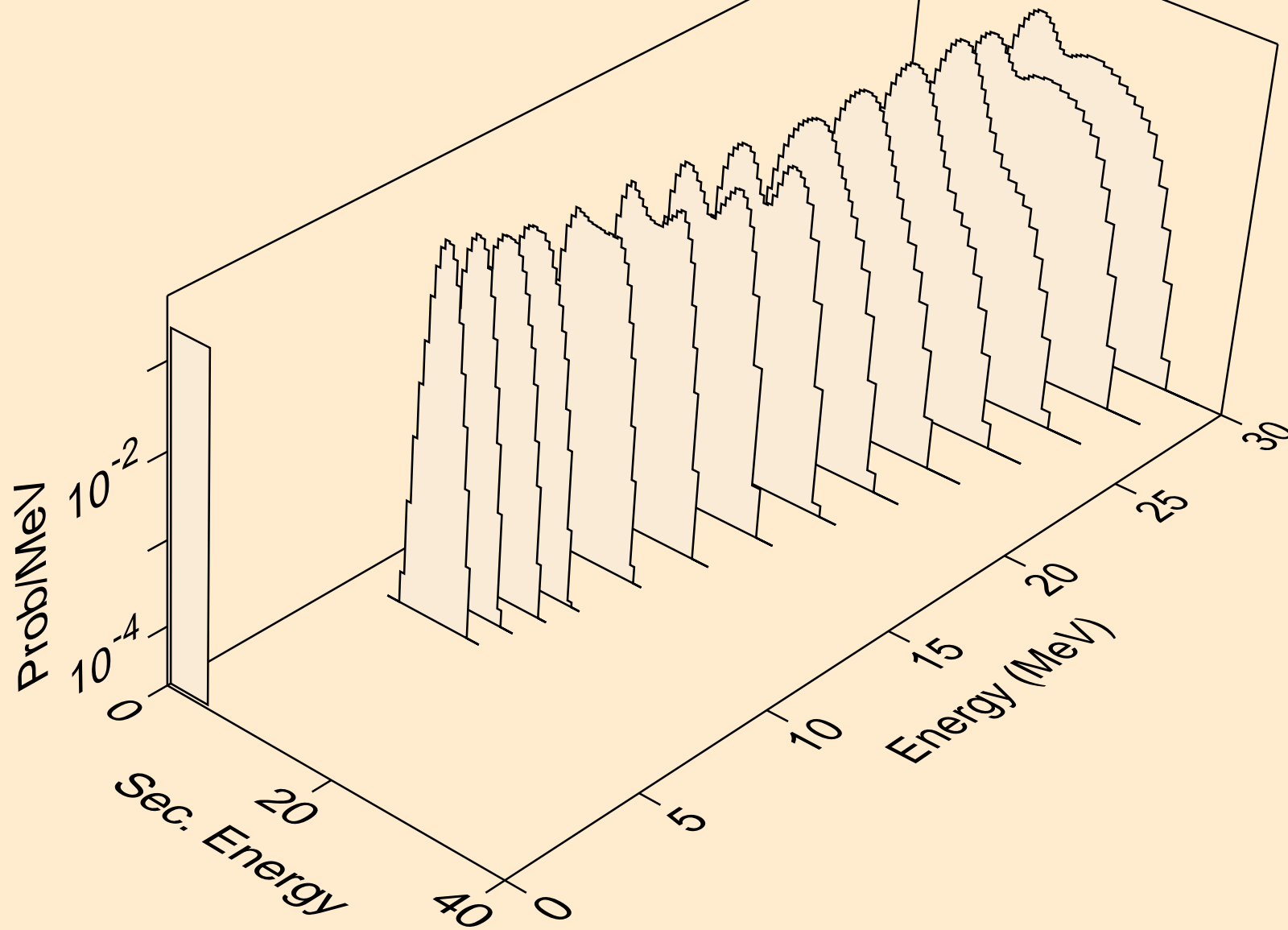
GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,npa)



GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,a)

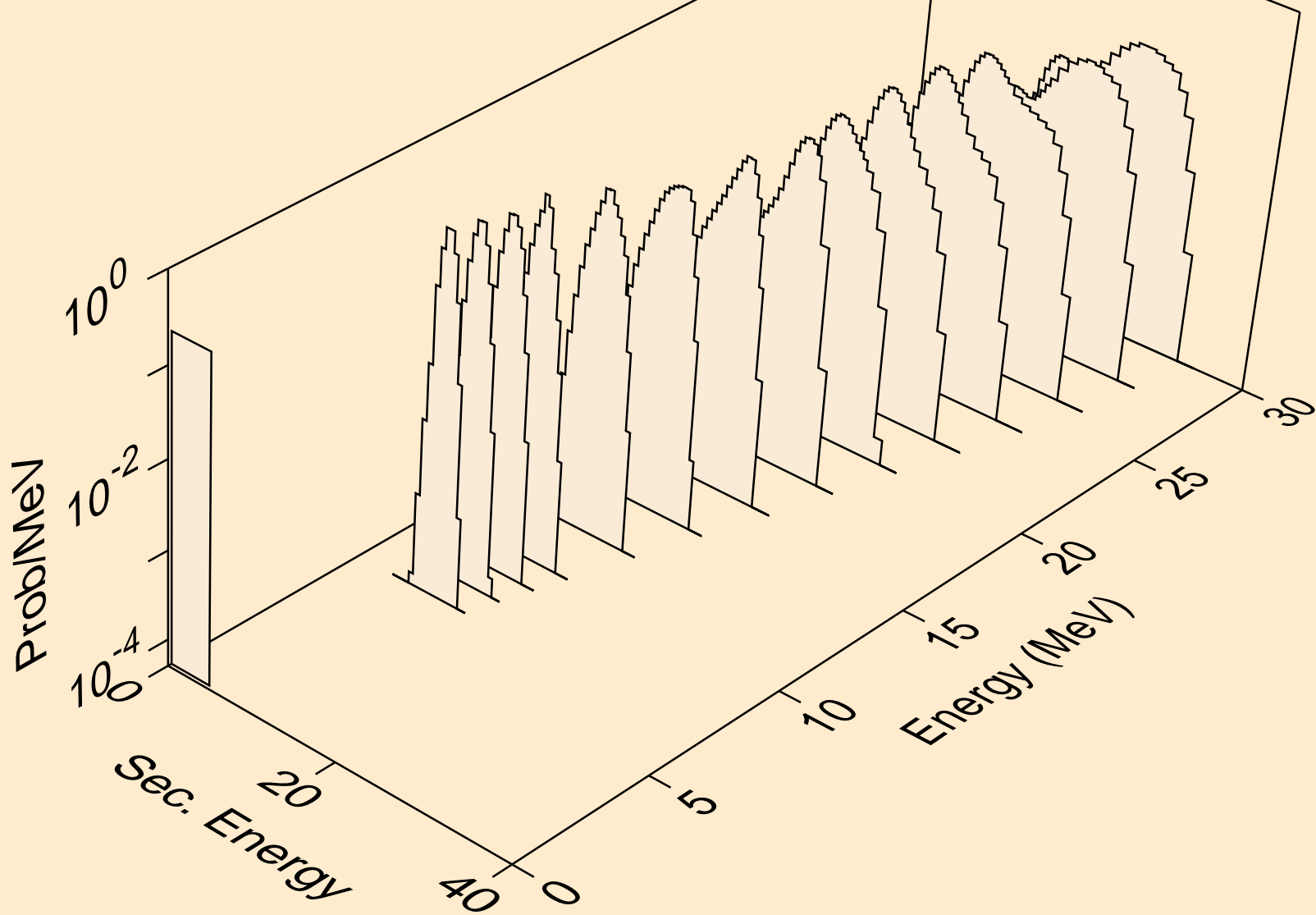


GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,2a)





GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,pa)



GD143M HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,da)

