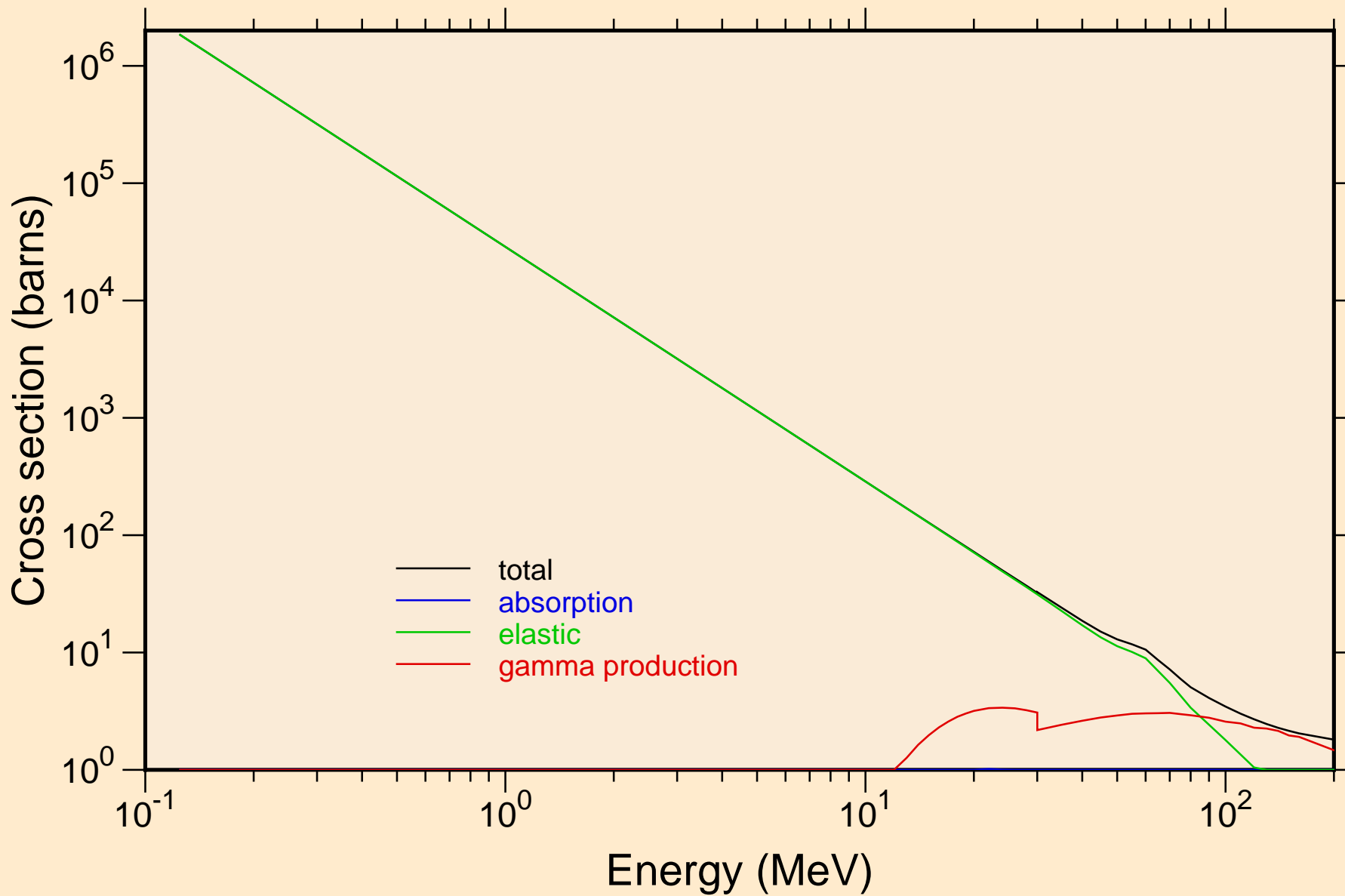
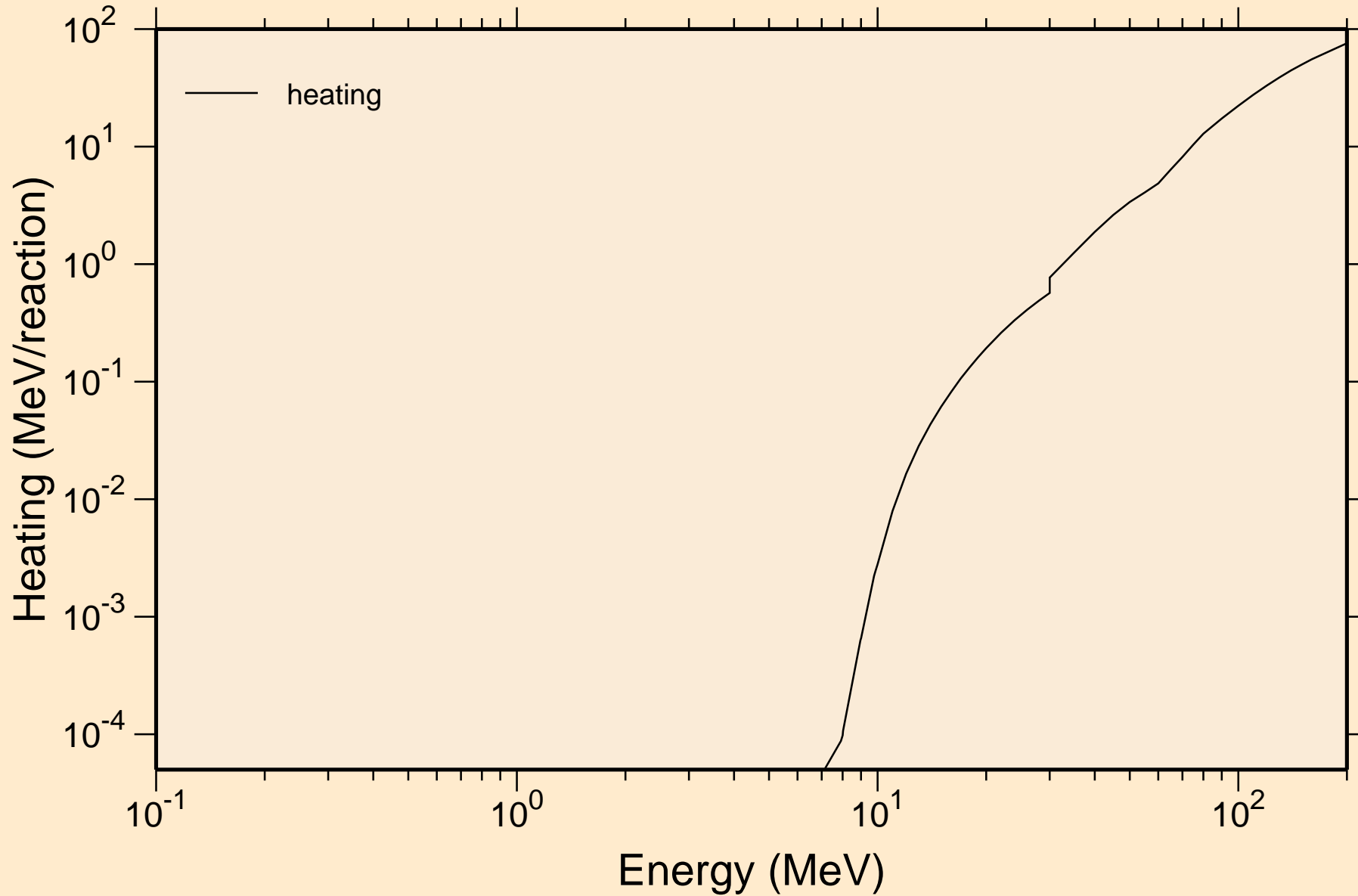


AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



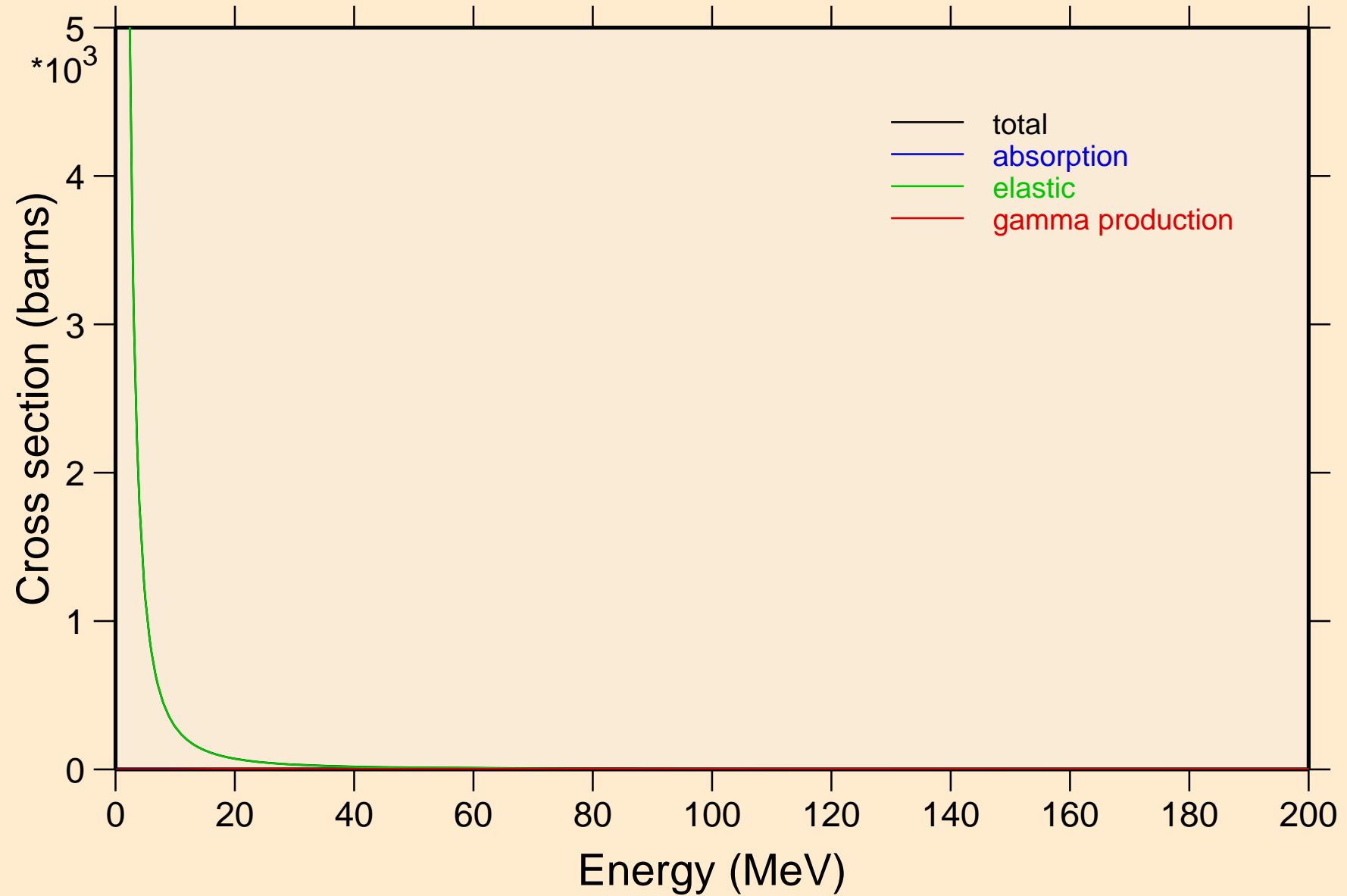
# AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Heating



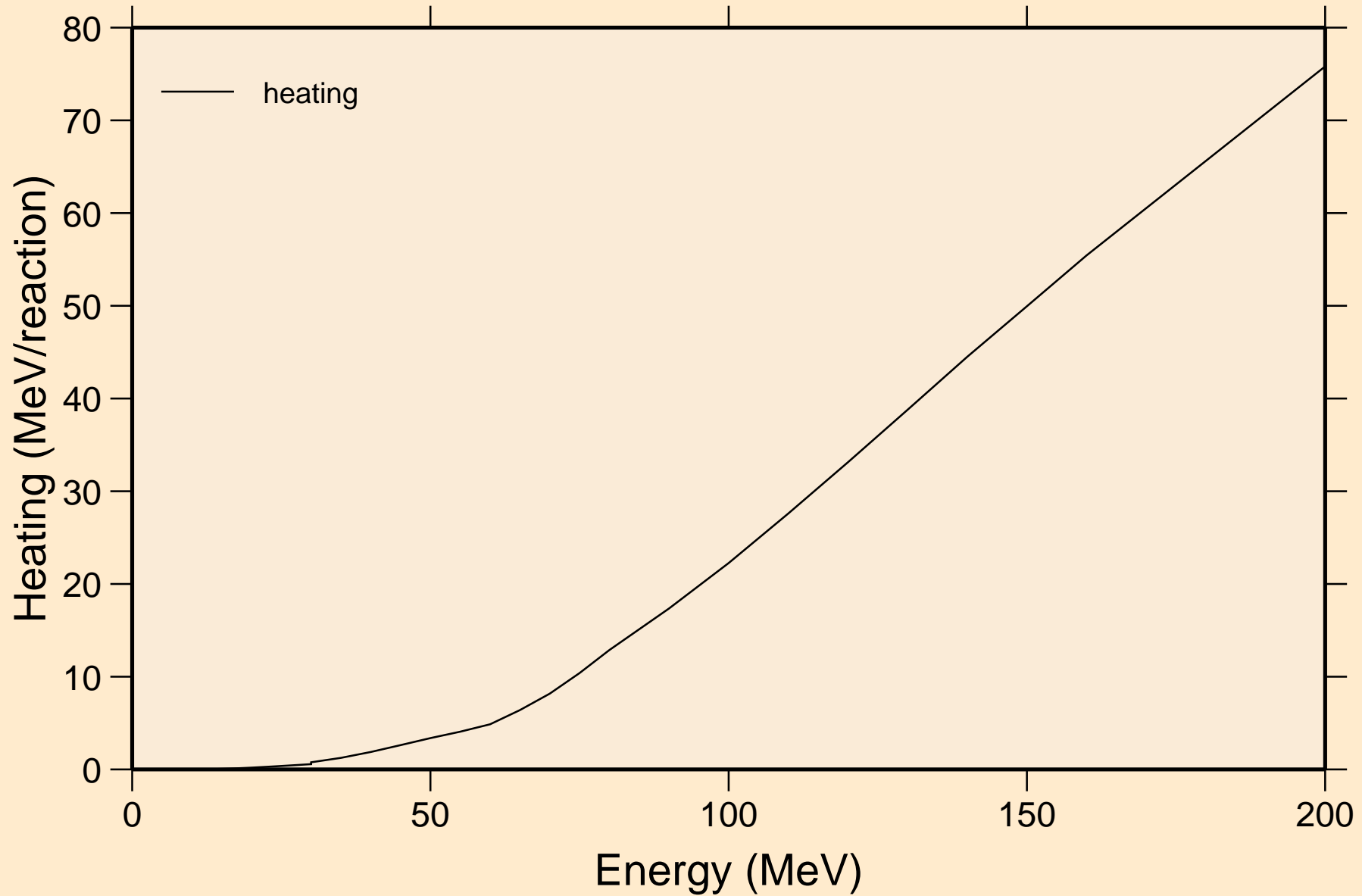
# AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

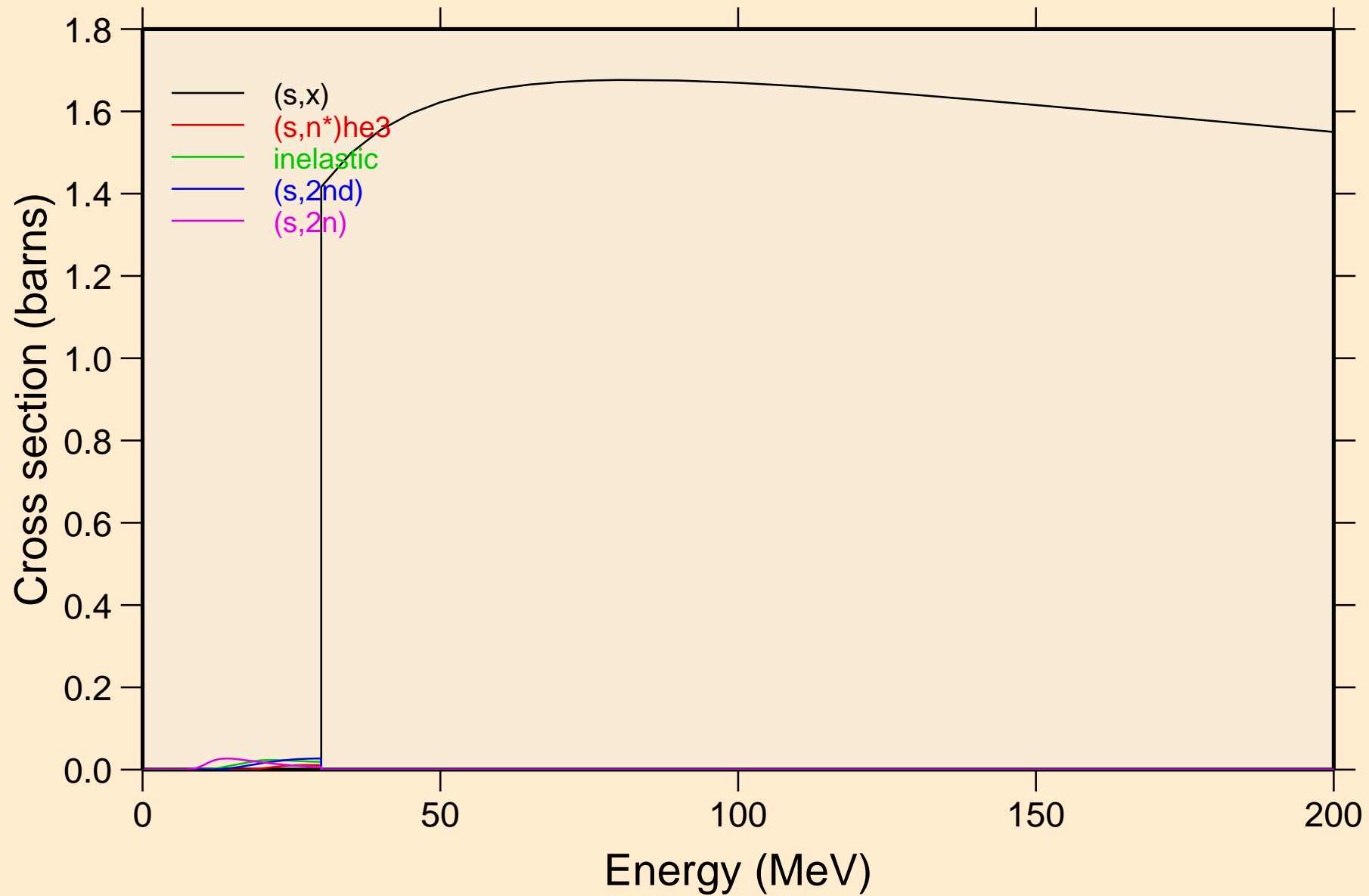


AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K

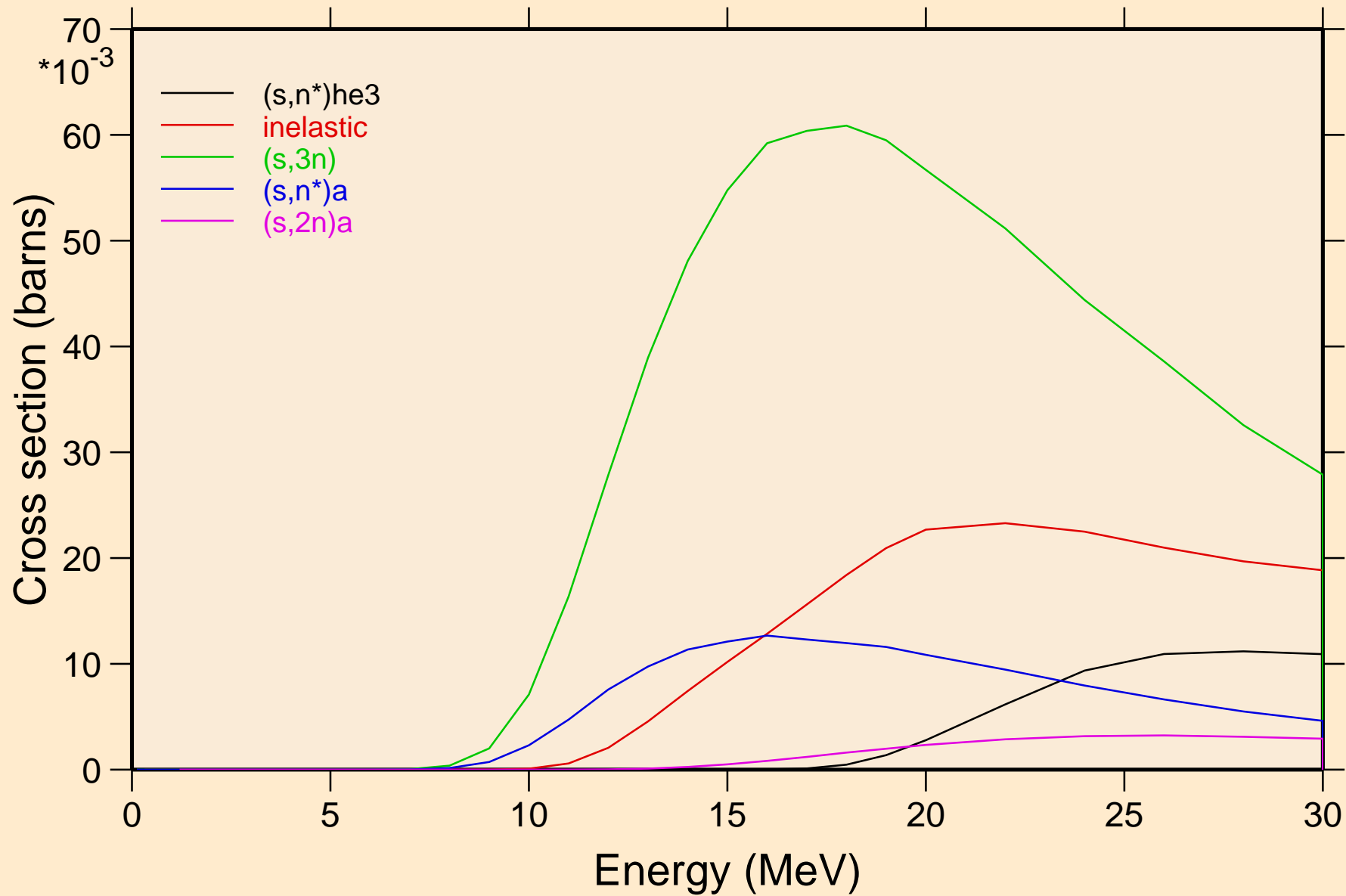
Heating



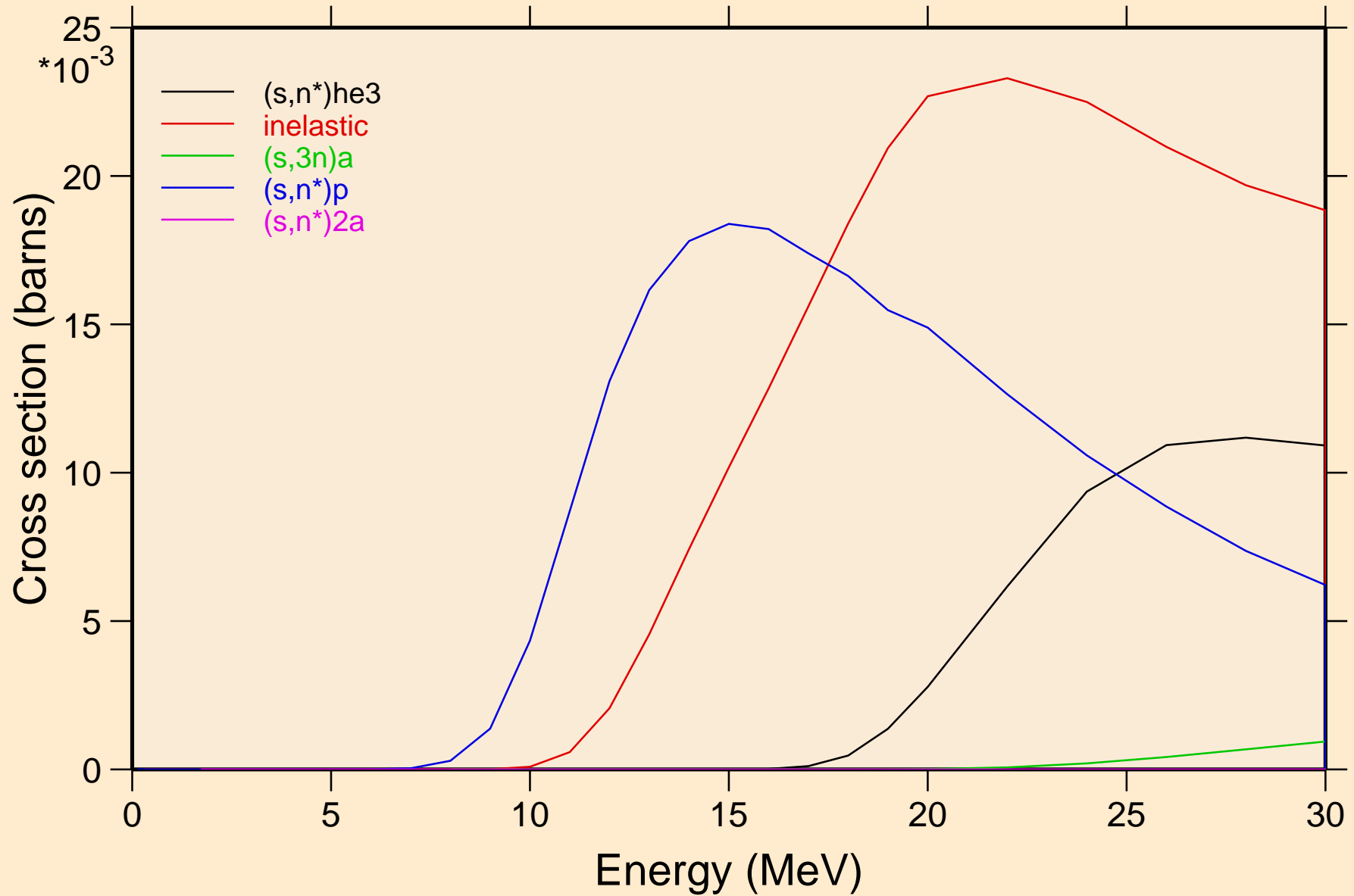
AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



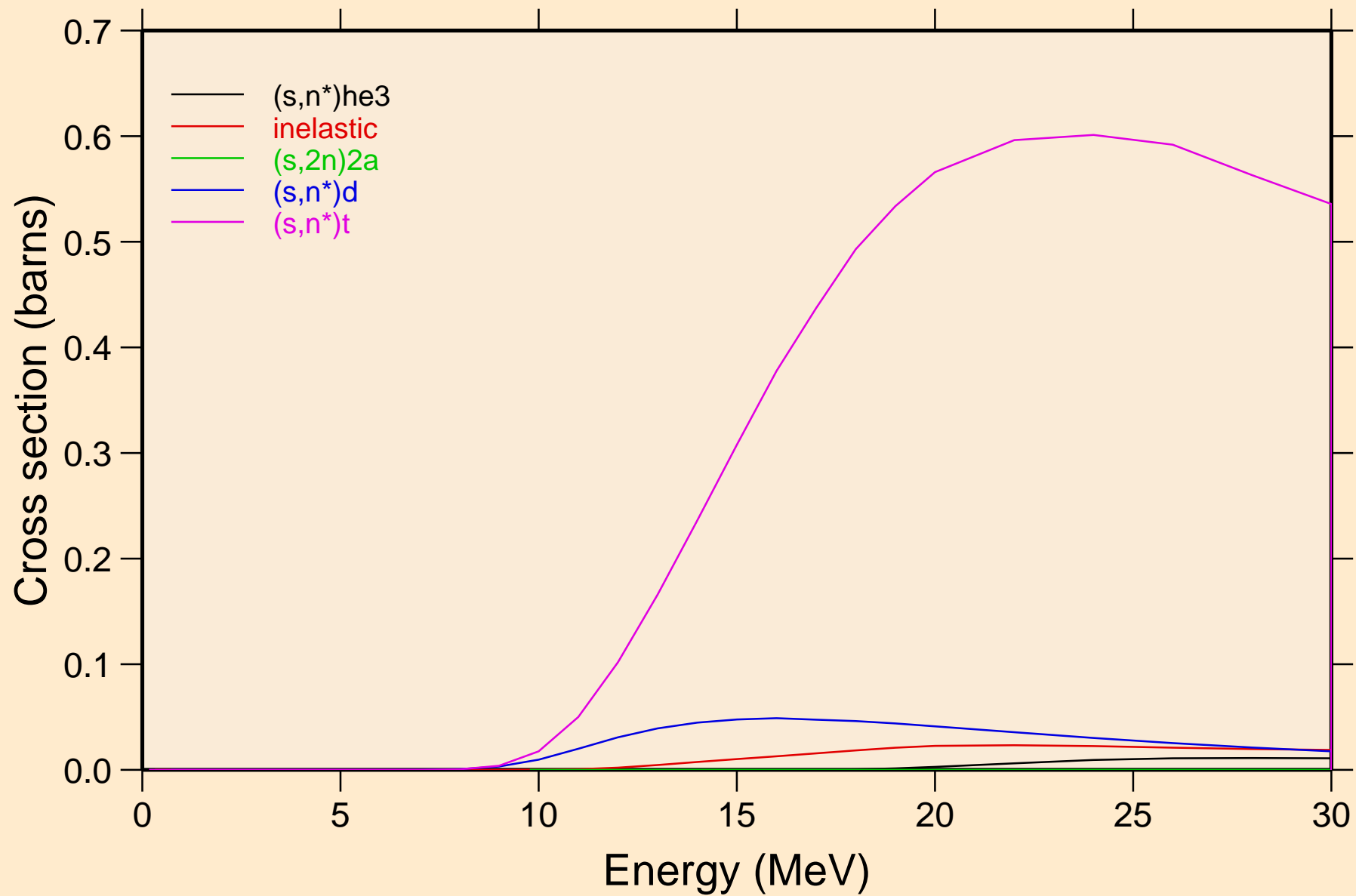
AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

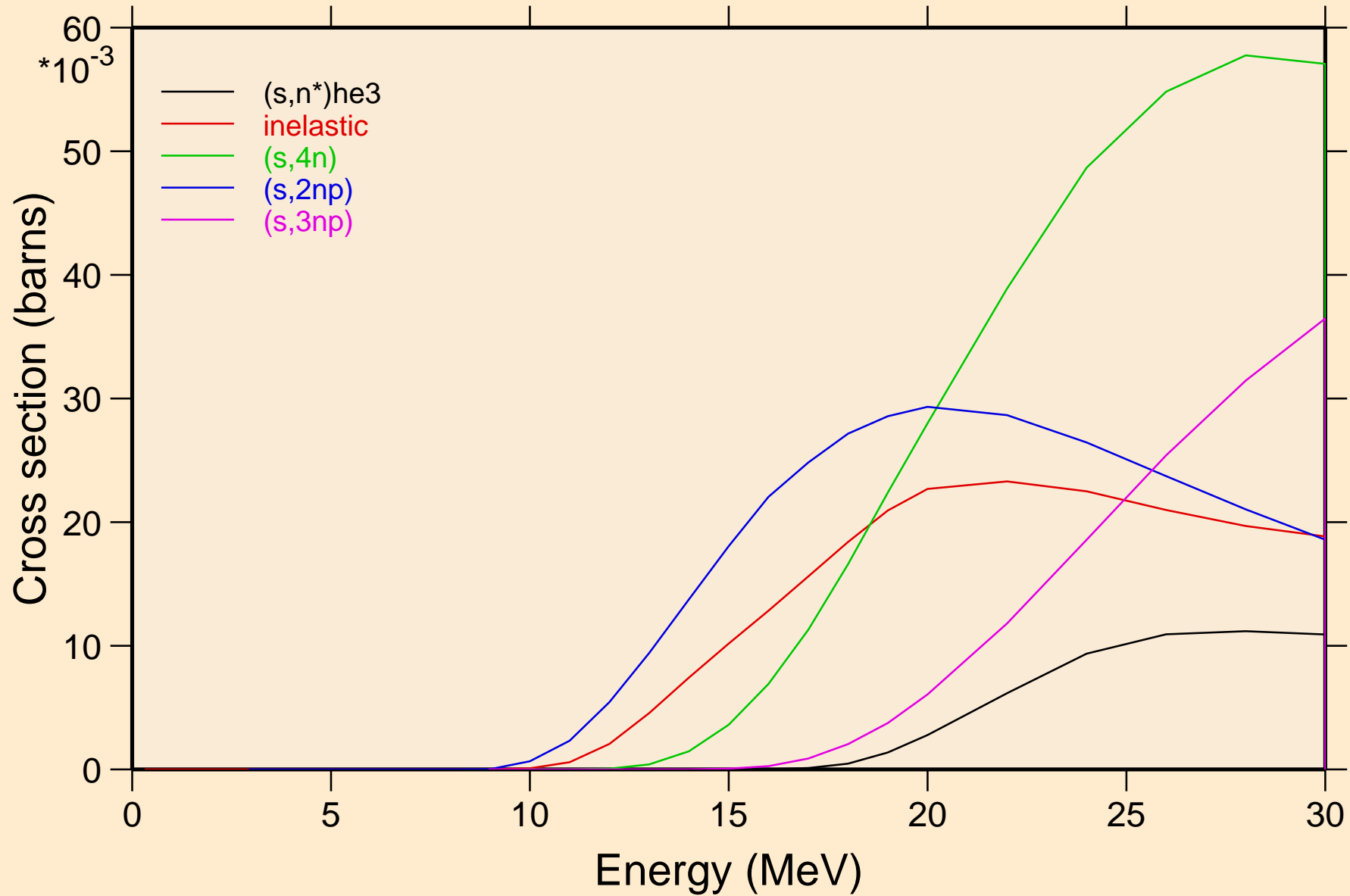


AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

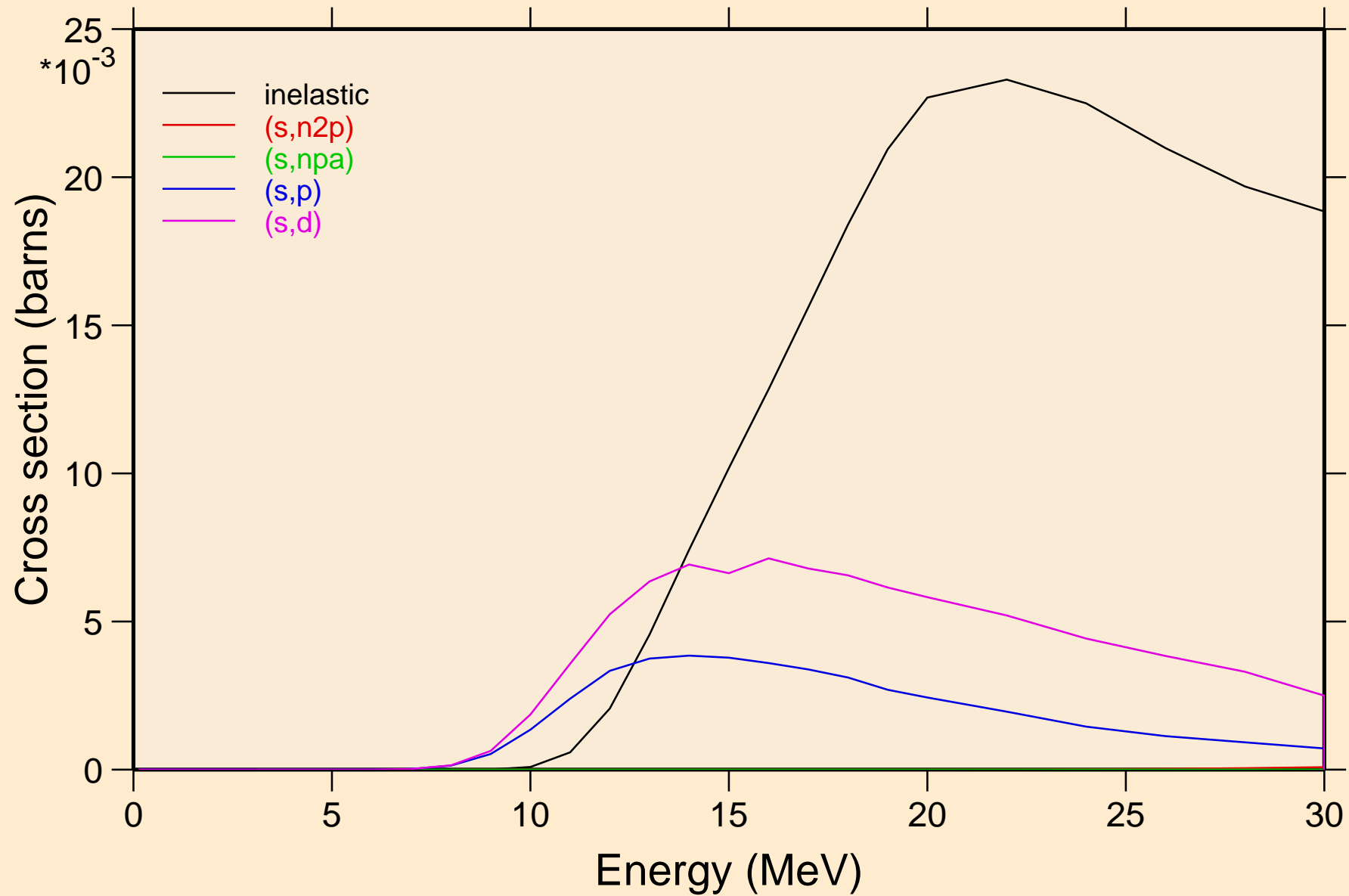




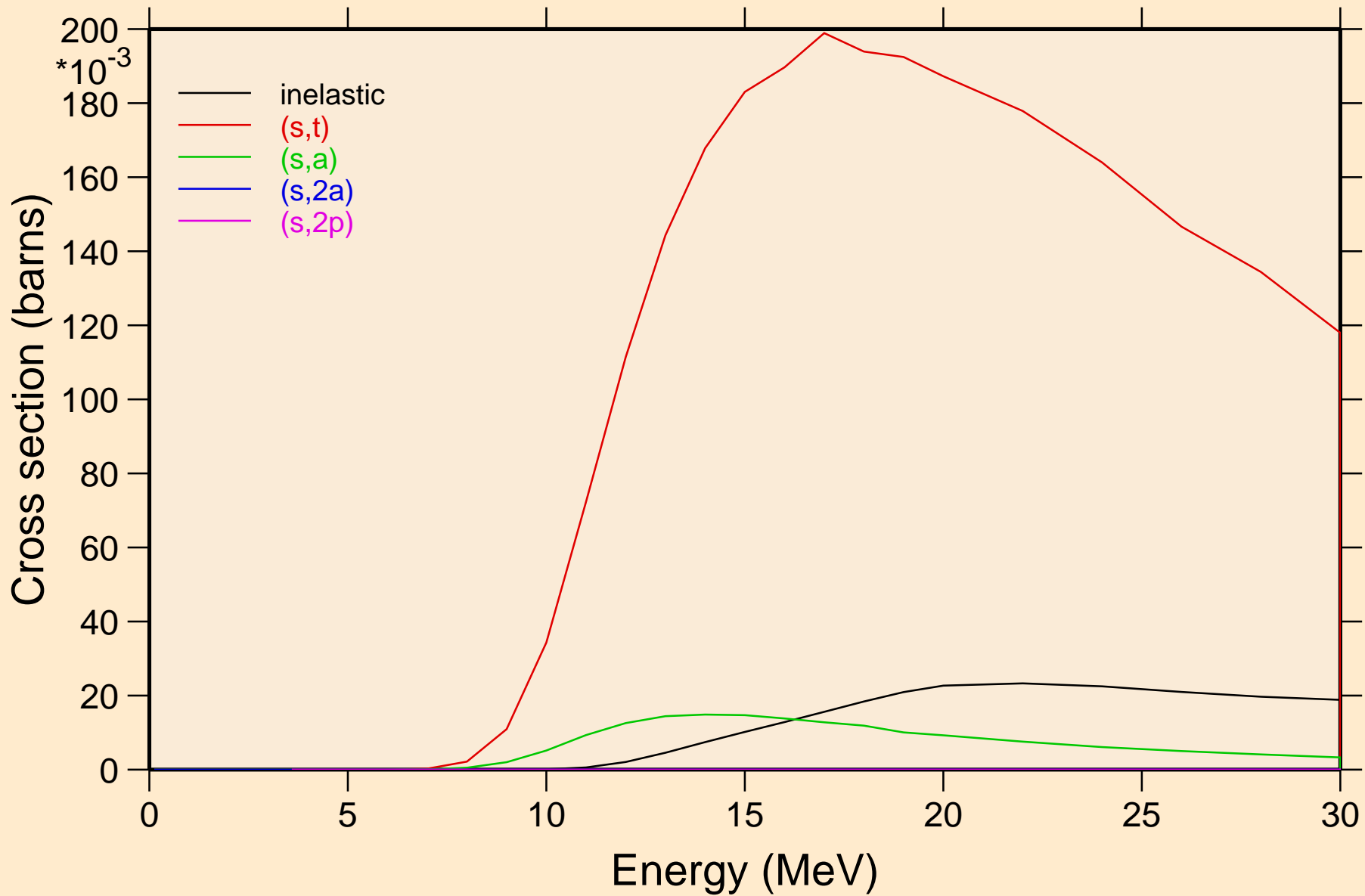
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Threshold reactions



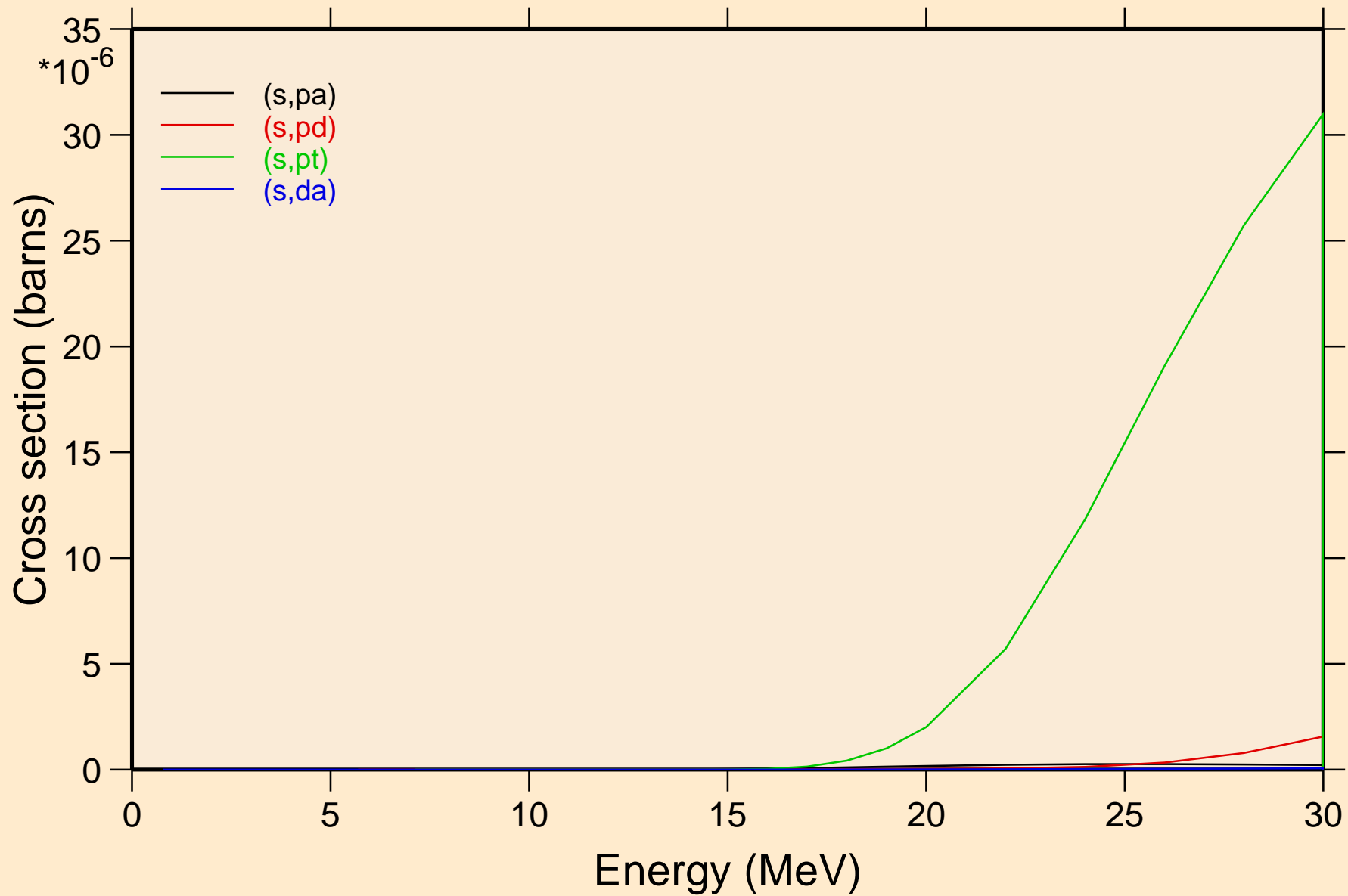
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Threshold reactions



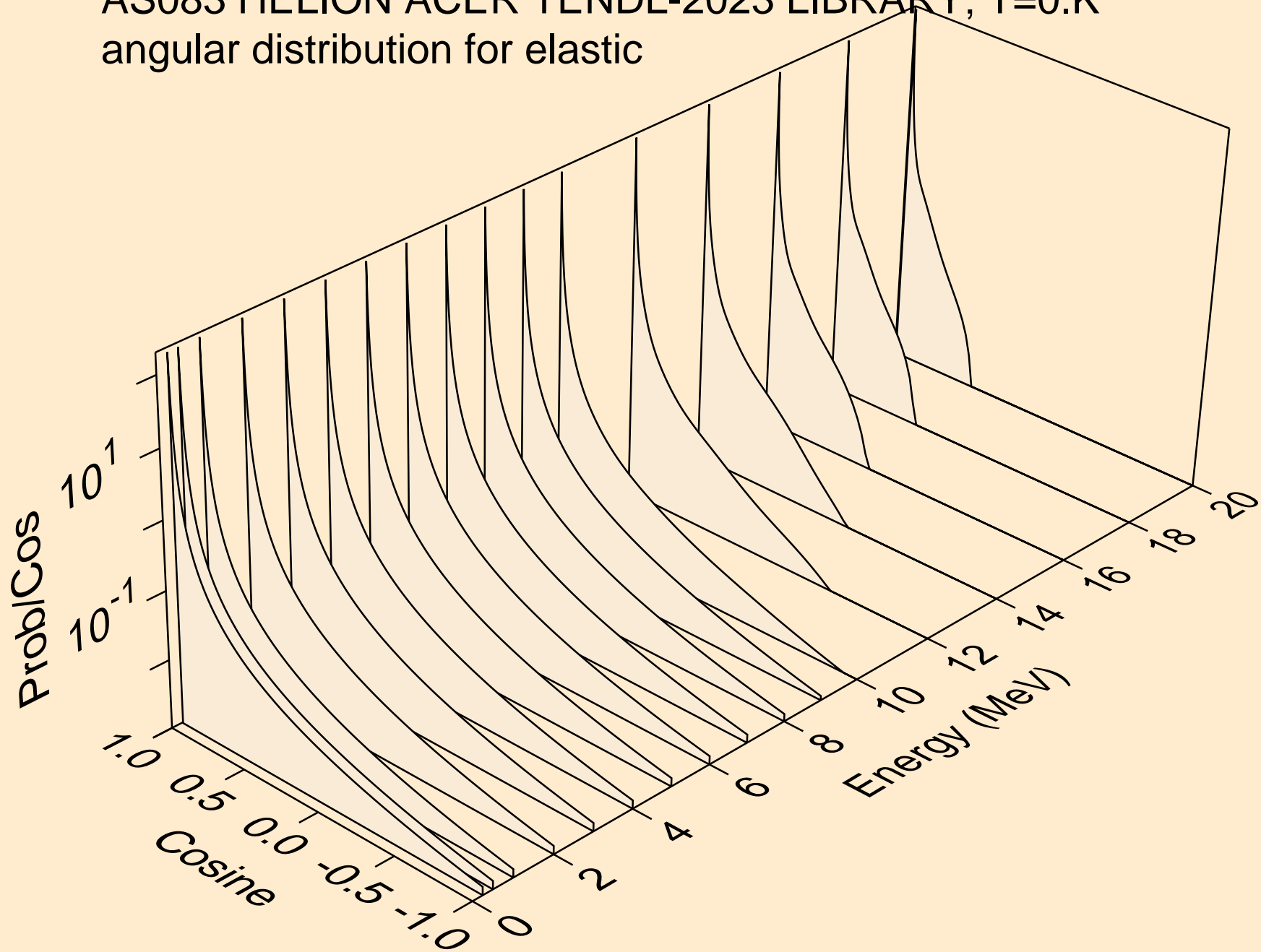
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Threshold reactions



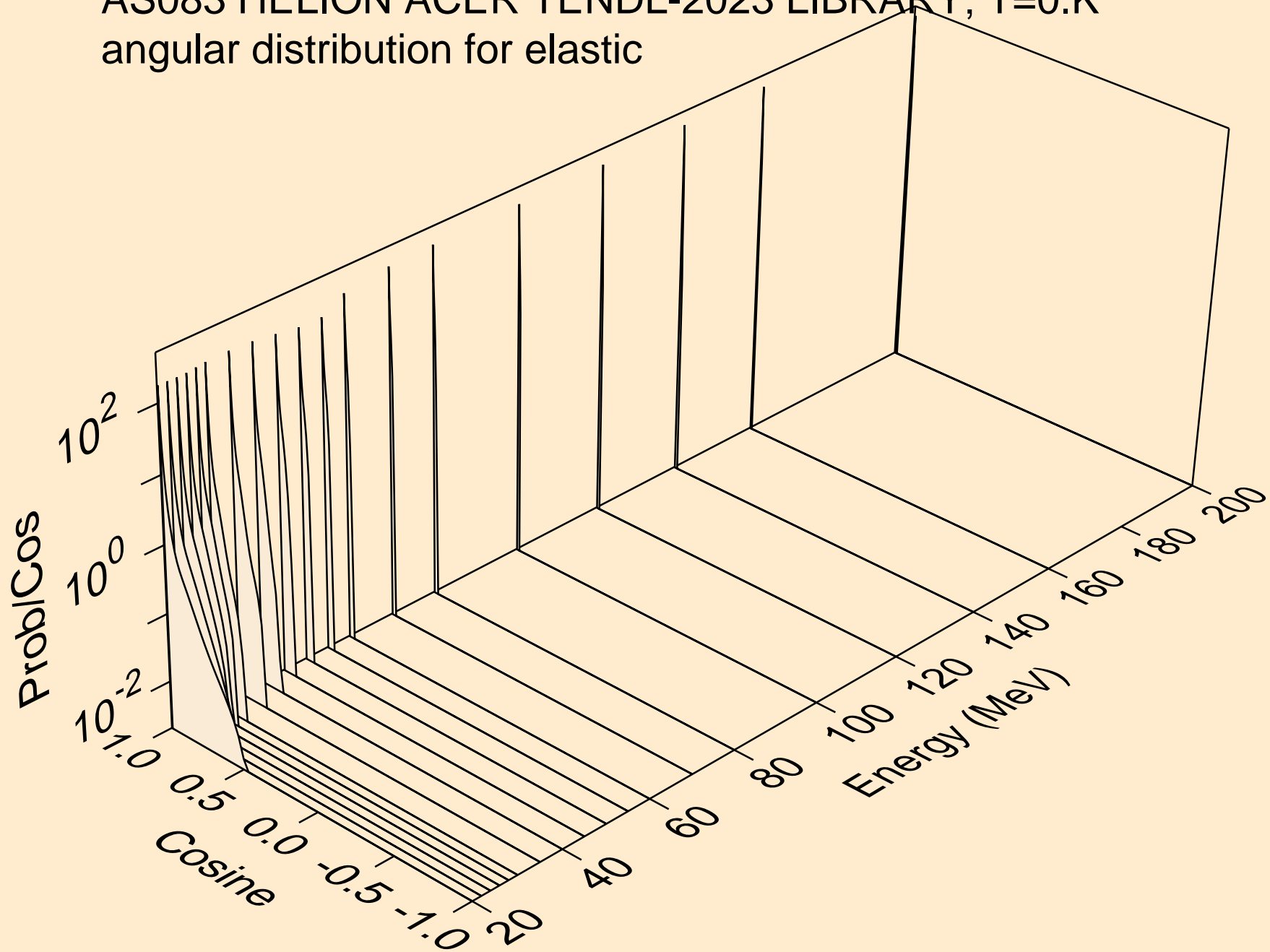
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Threshold reactions



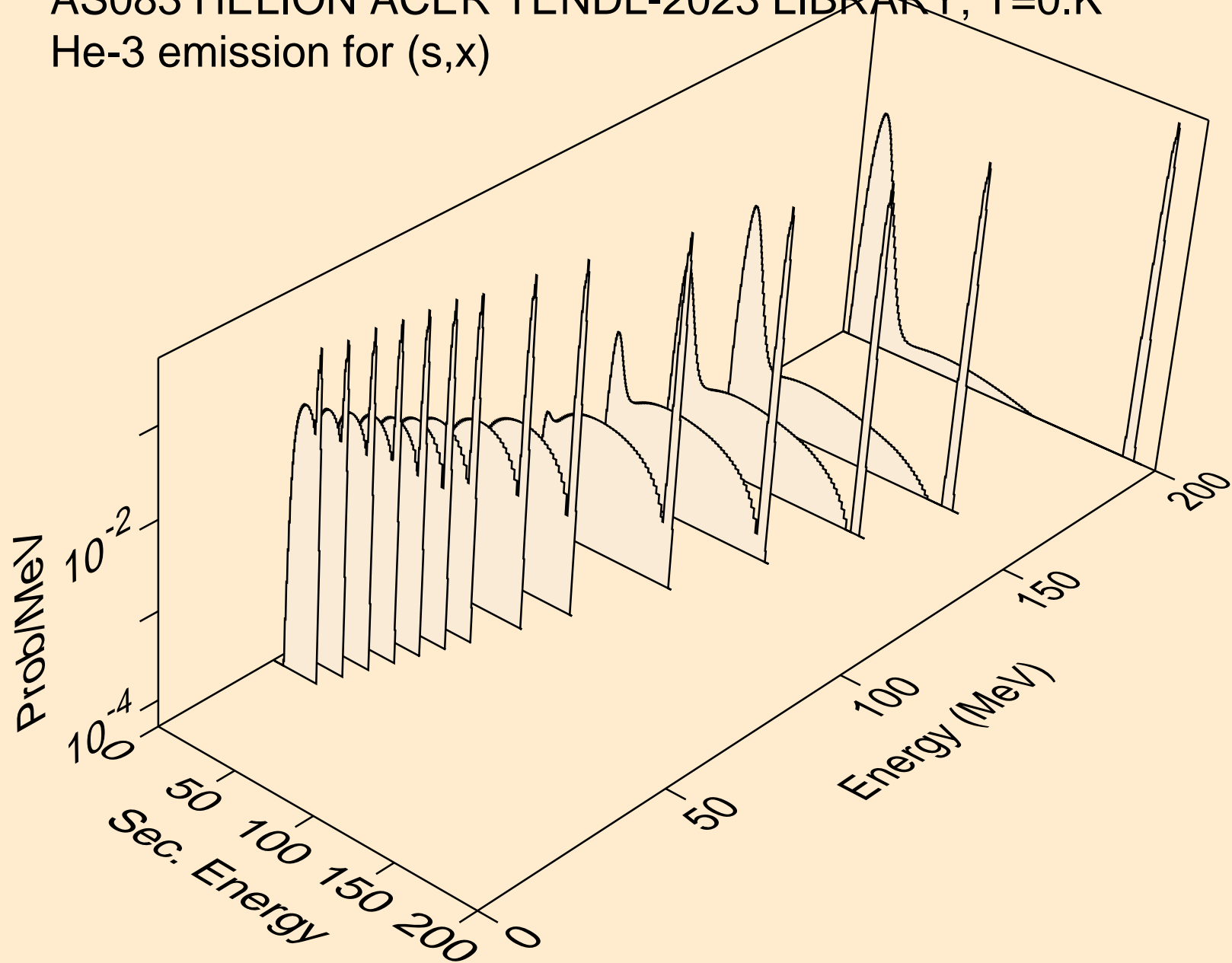
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angular distribution for elastic



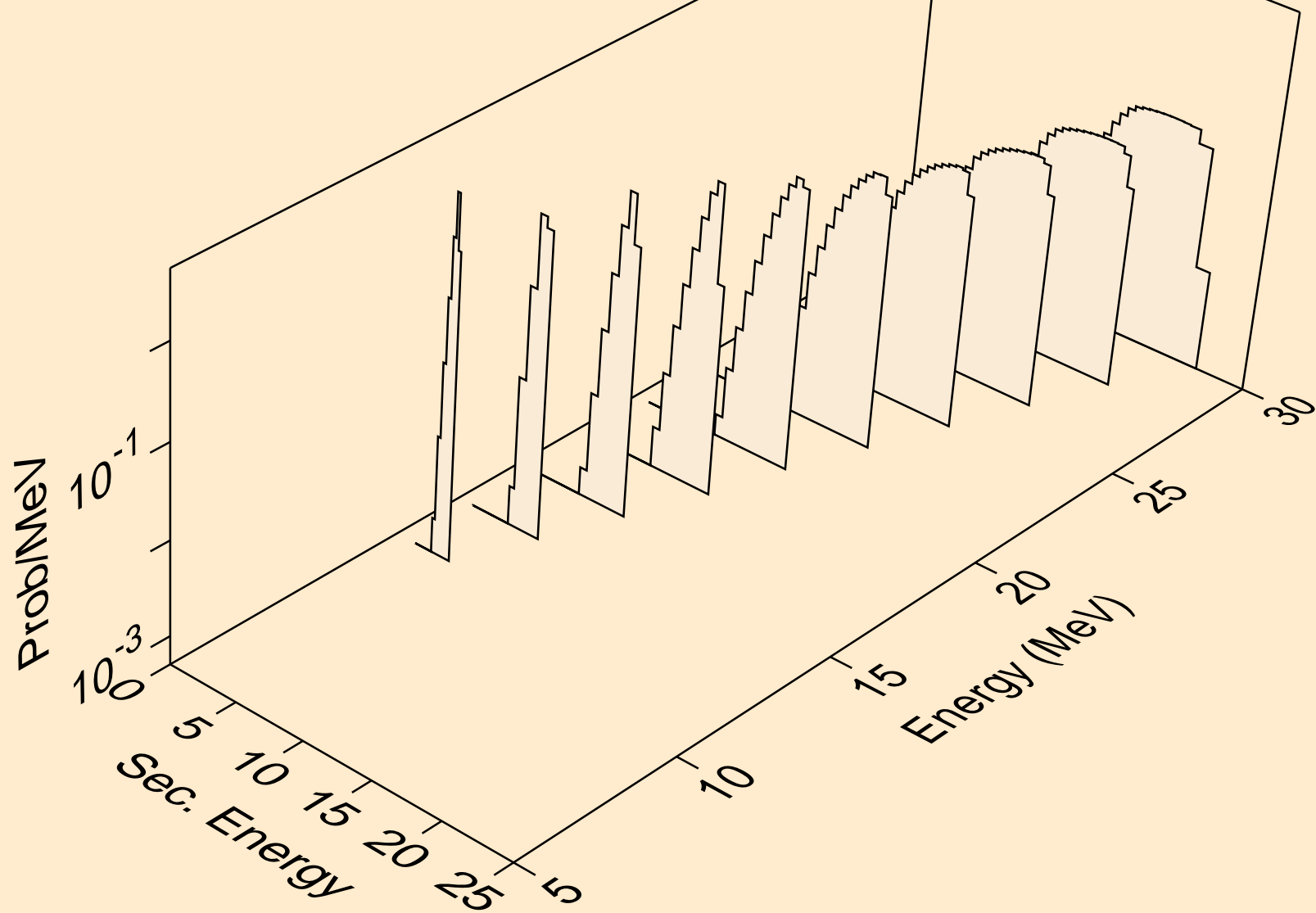
AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)

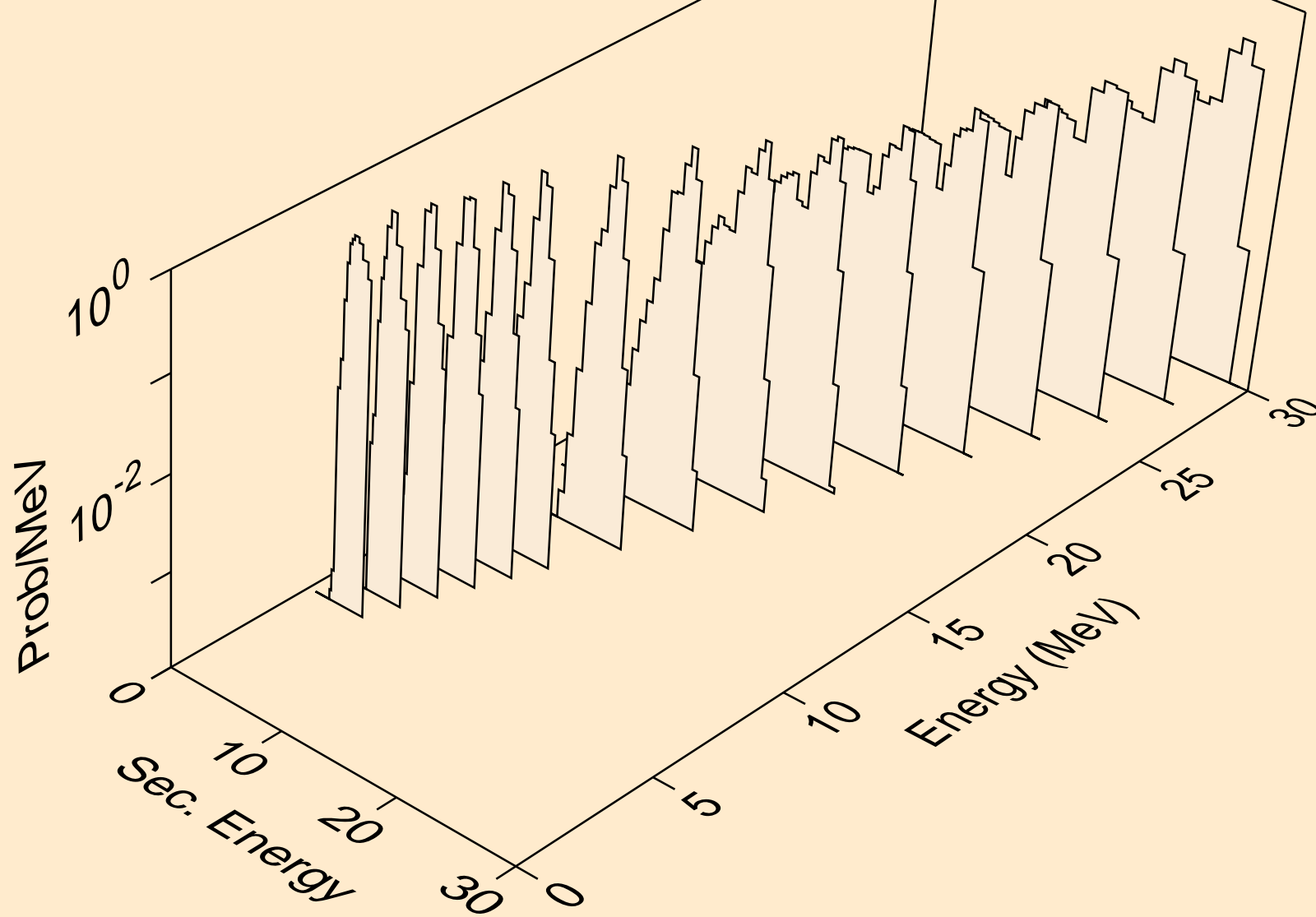


AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

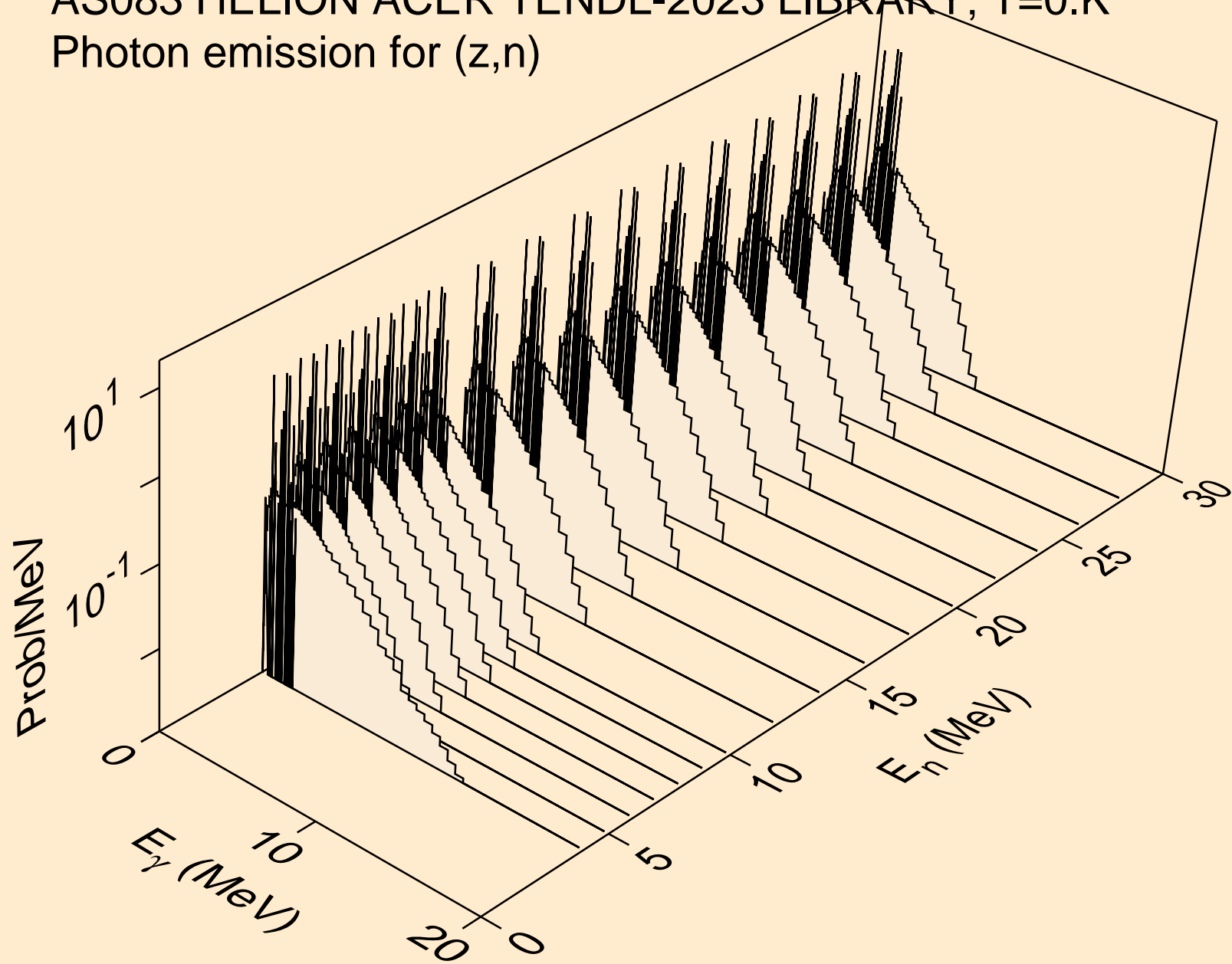




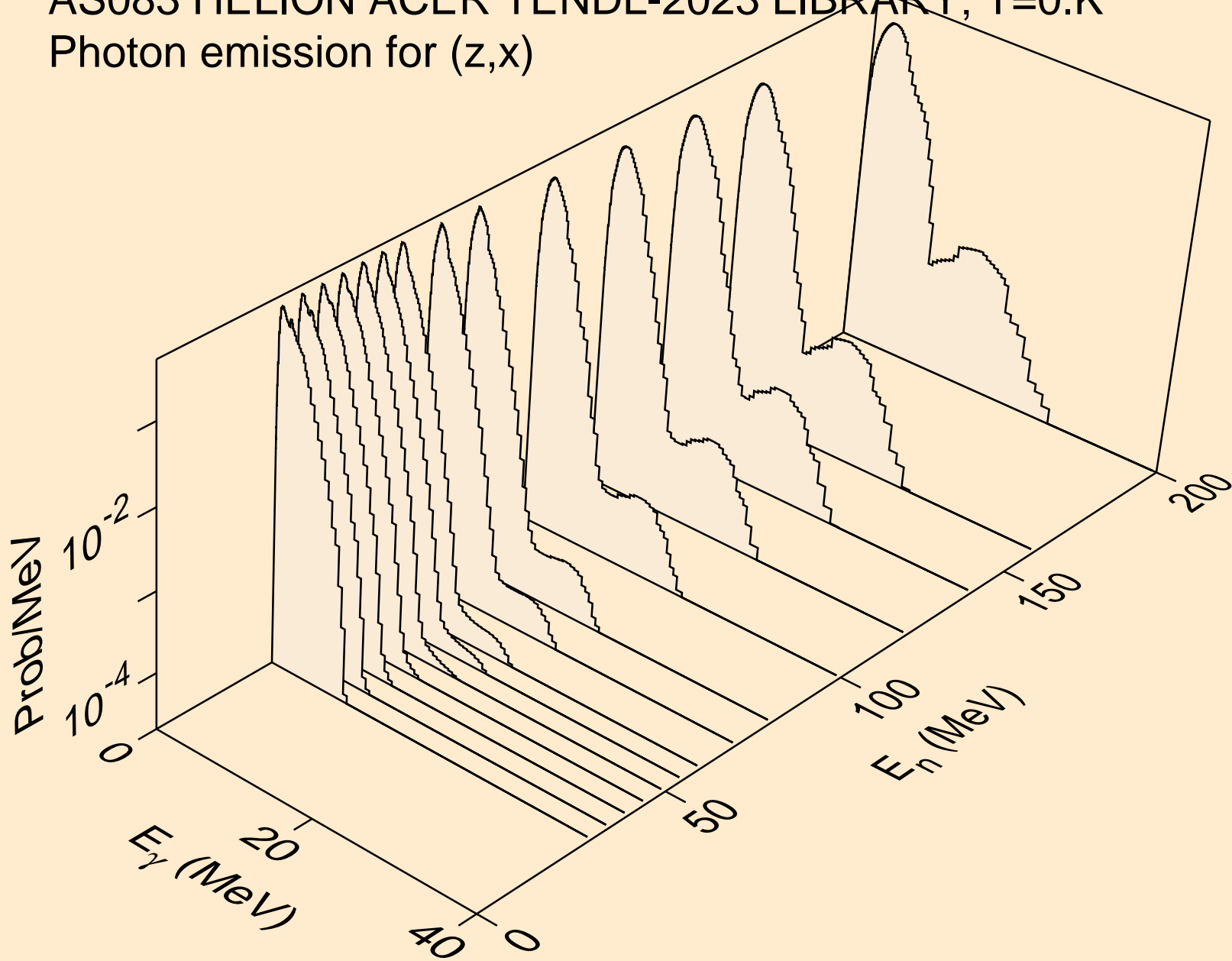
AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic



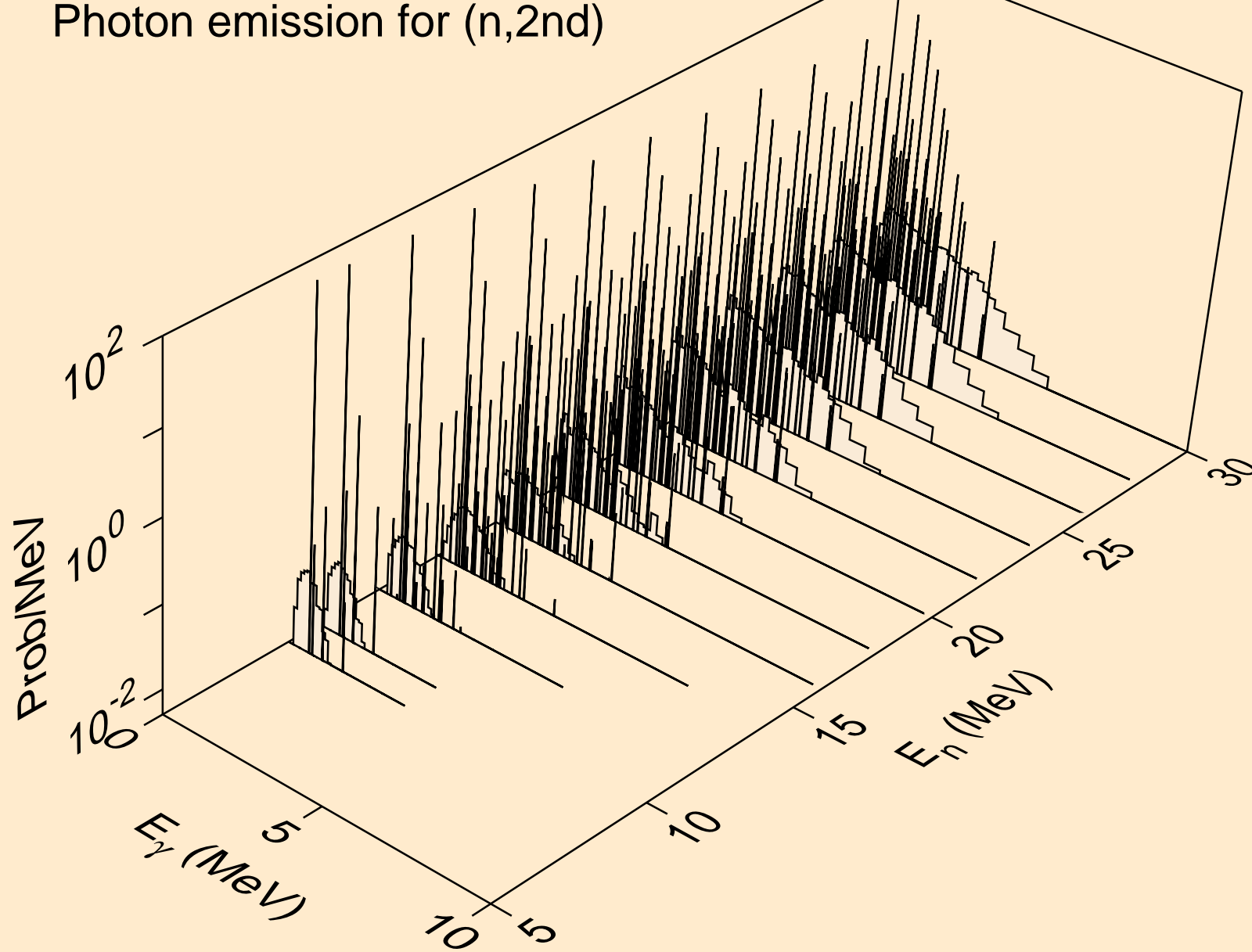
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Photon emission for (z,n)



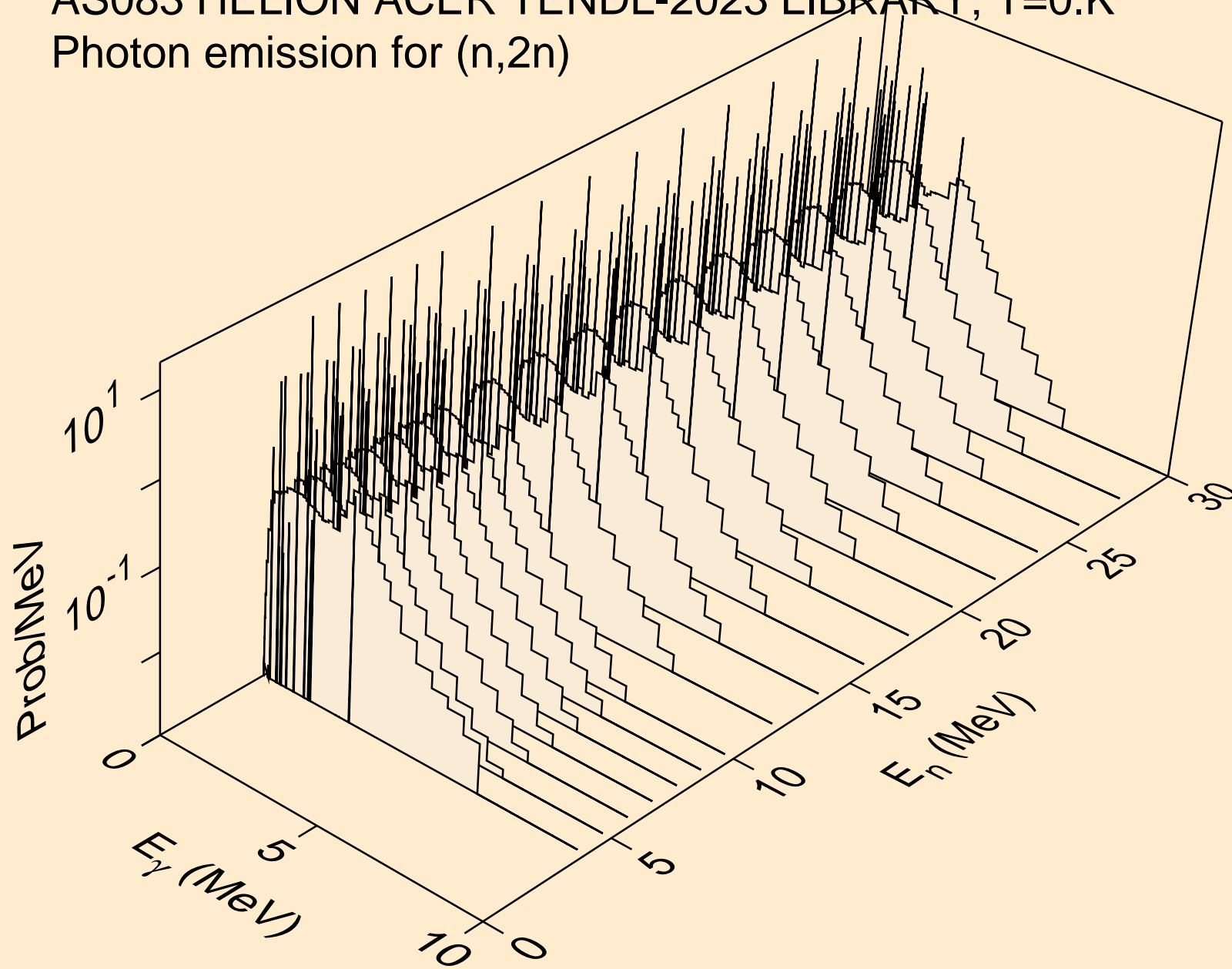
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Photon emission for (z,x)



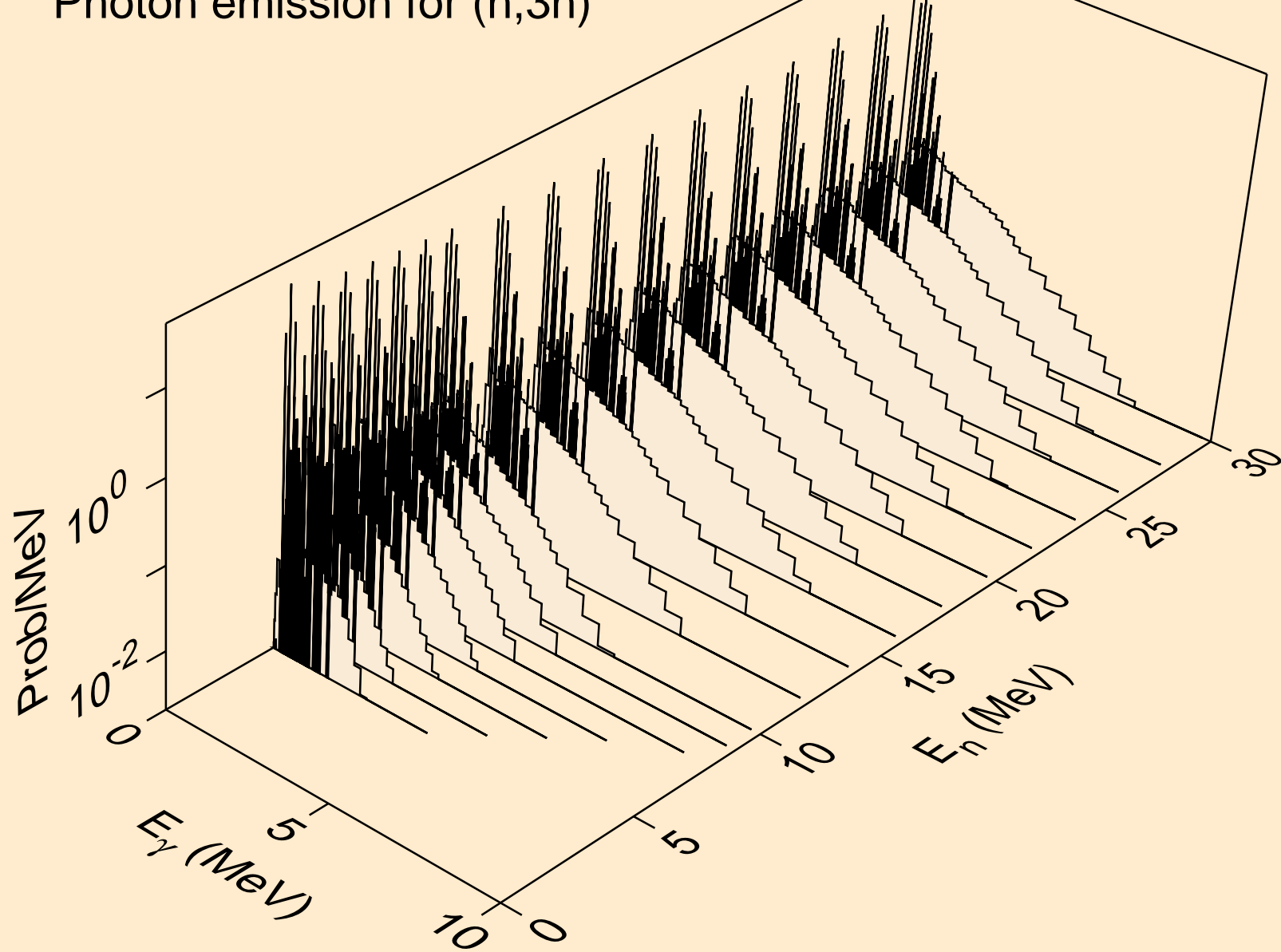
AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



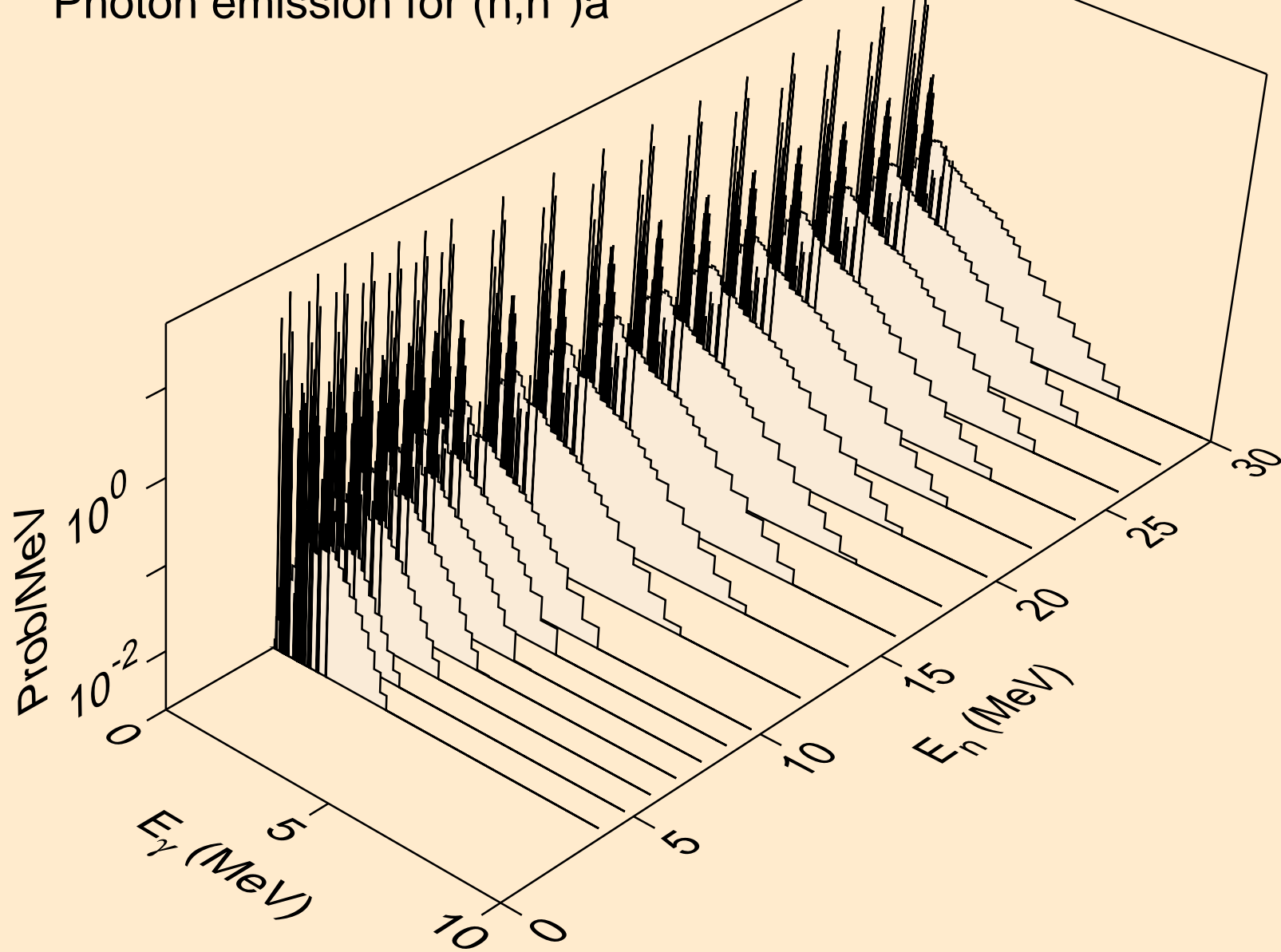
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Photon emission for (n,2n)



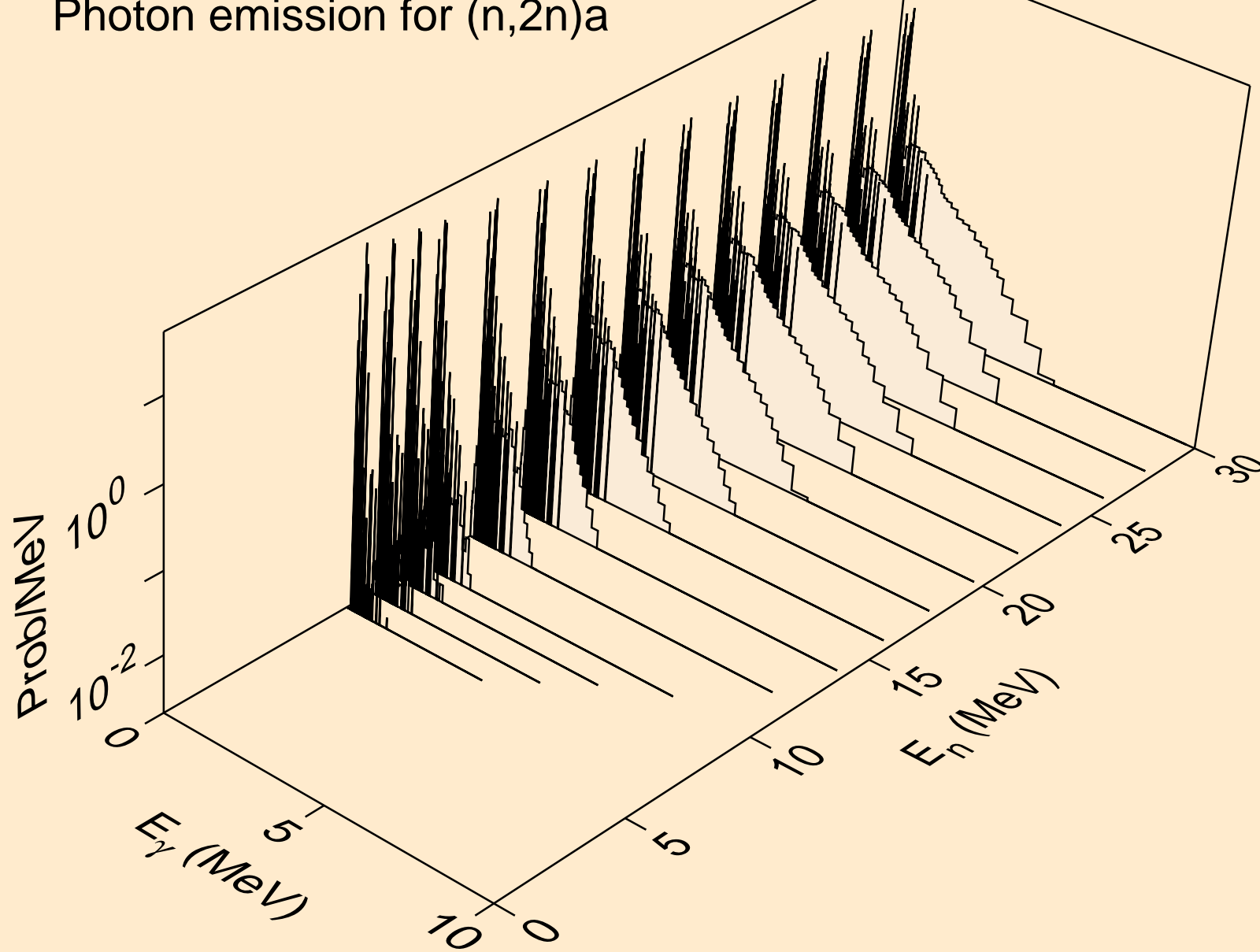
AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

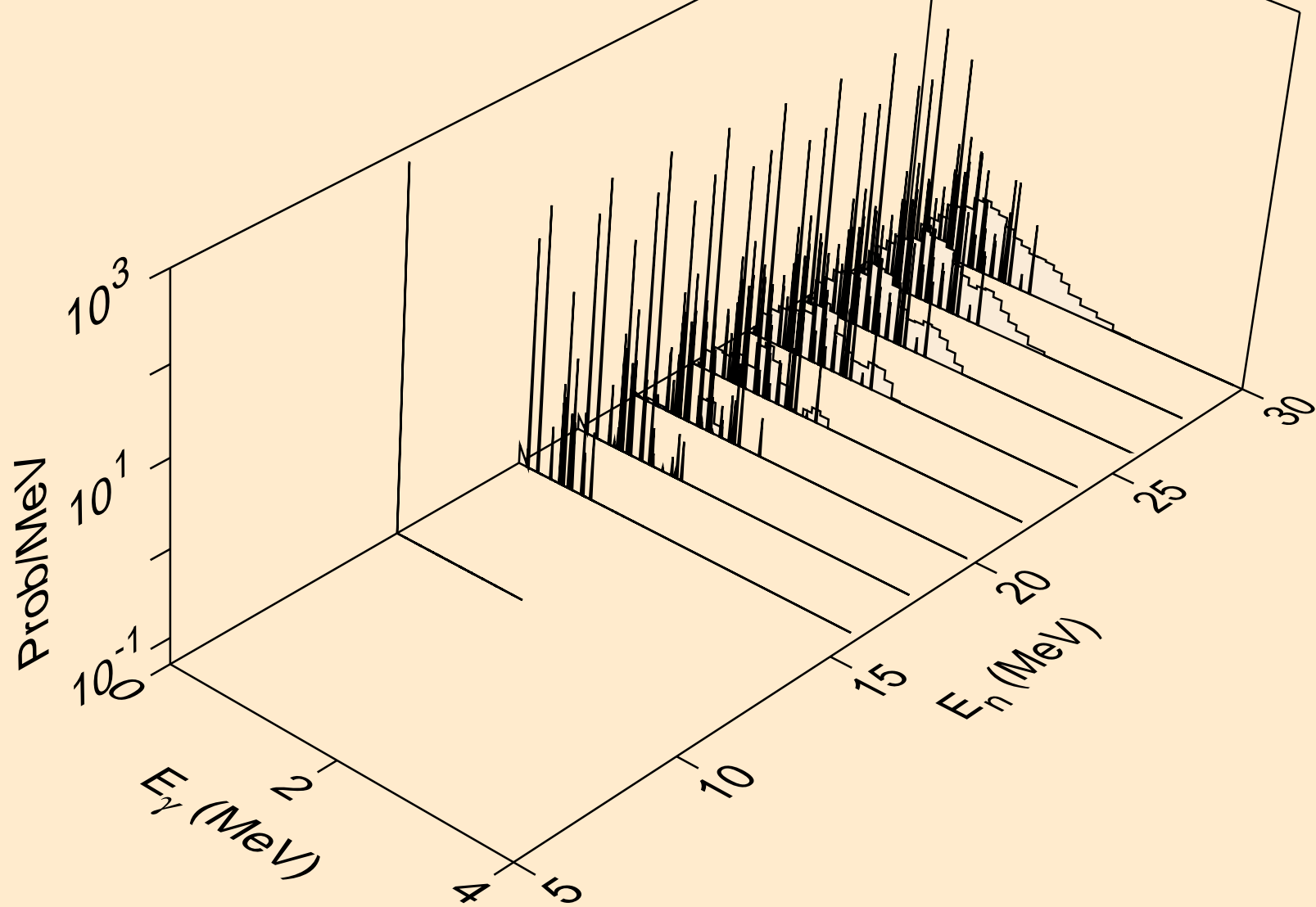


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Photon emission for (n,2n)a

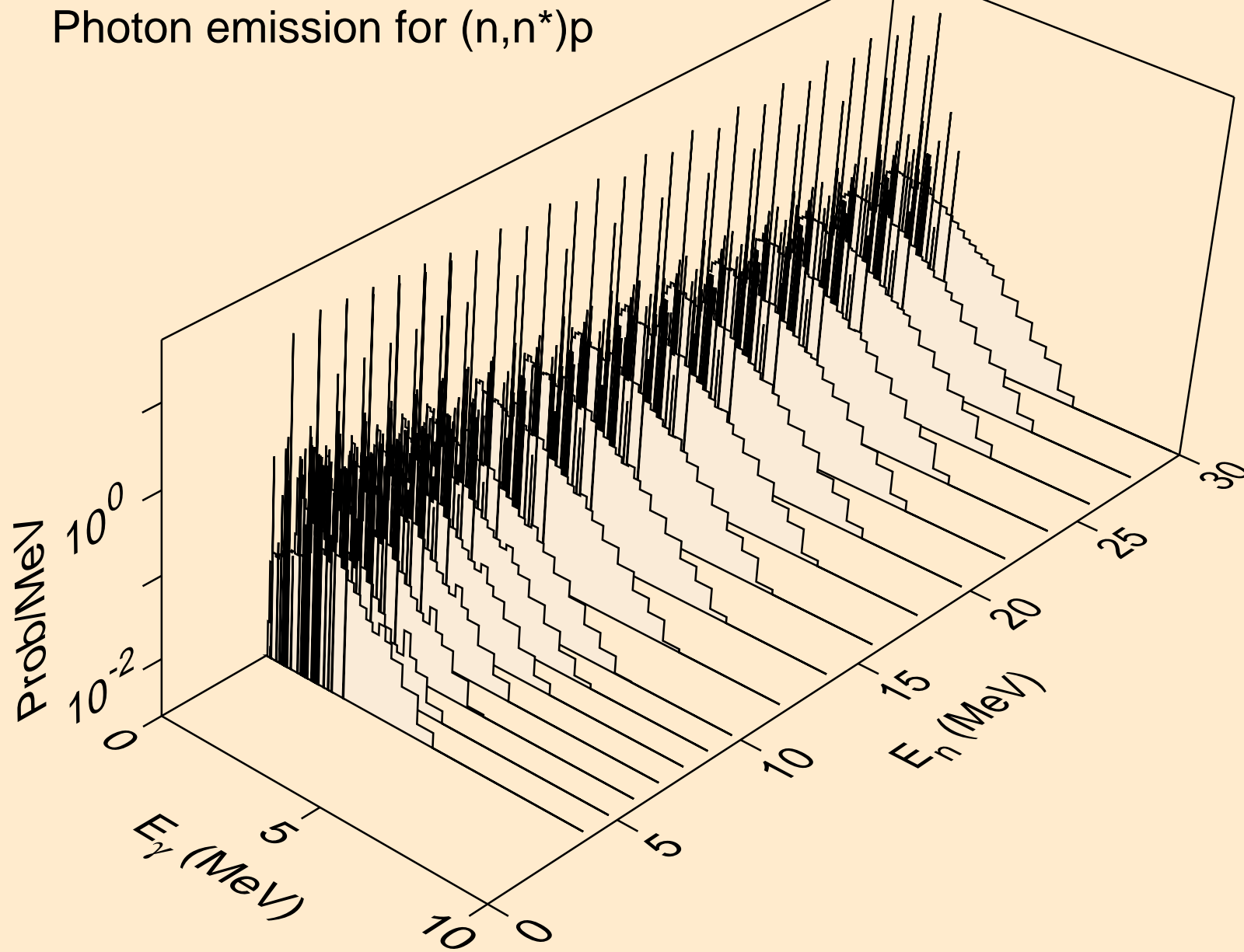




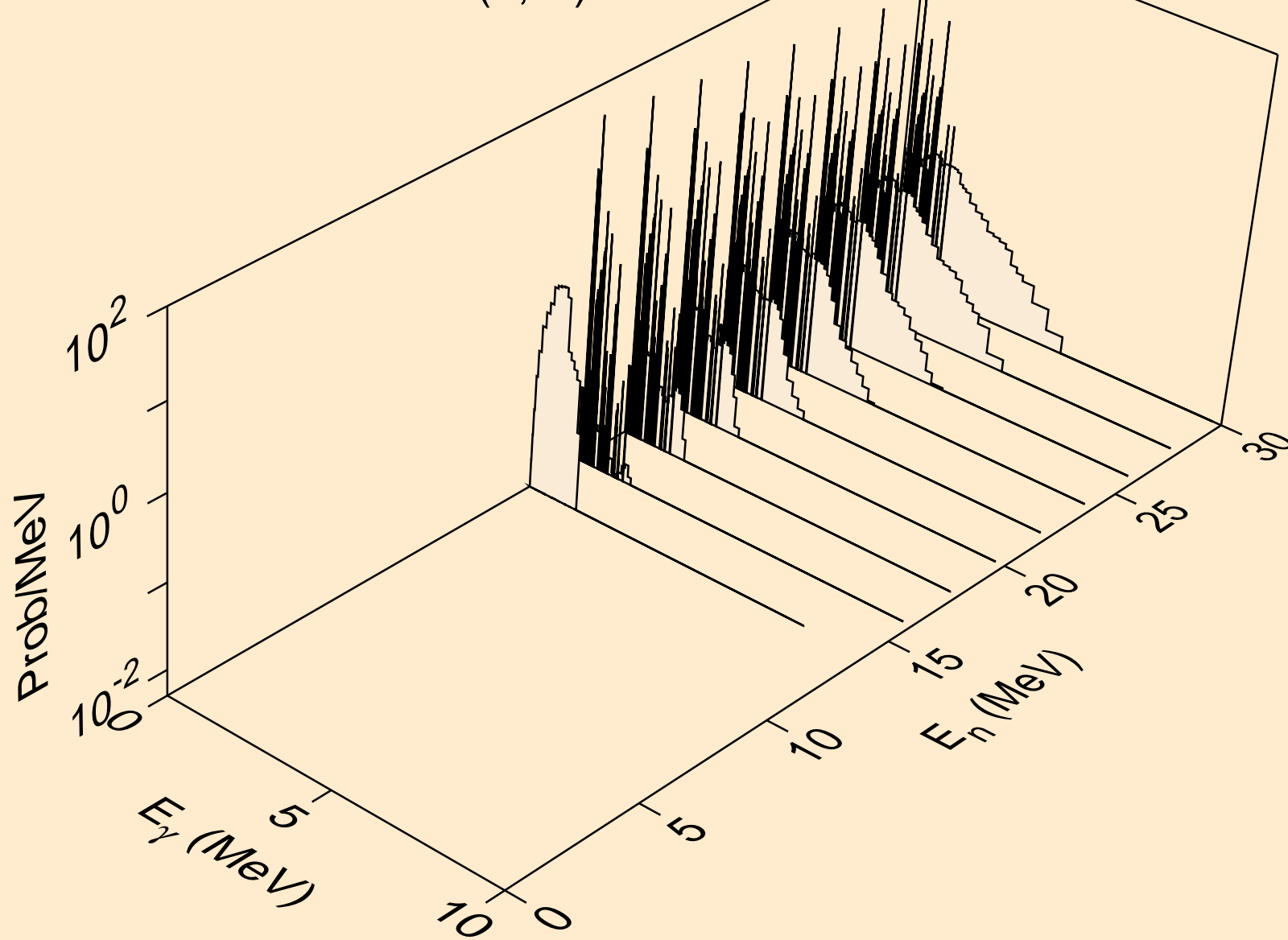
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Photon emission for (n,3n)a



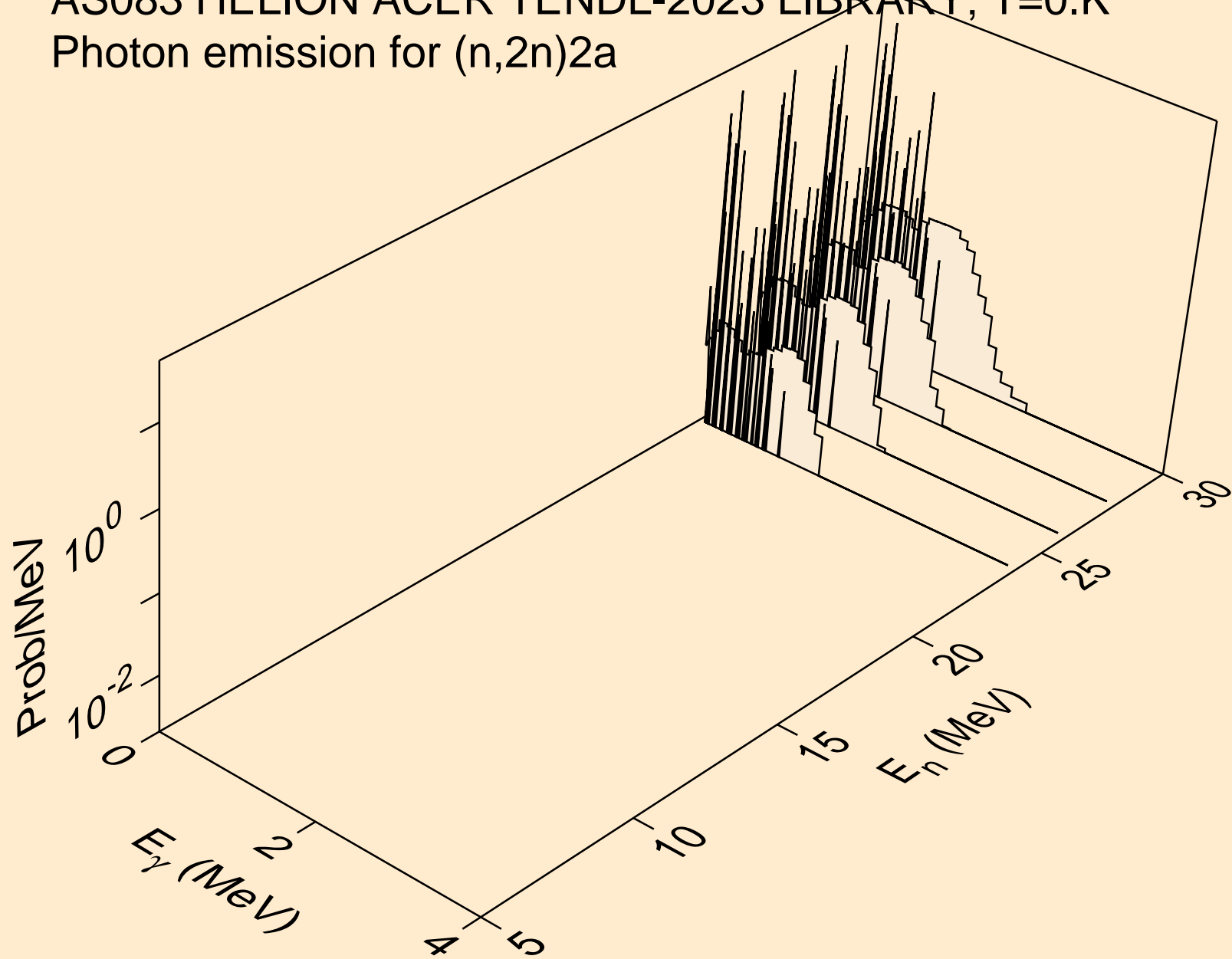
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Photon emission for (n,n\*)p



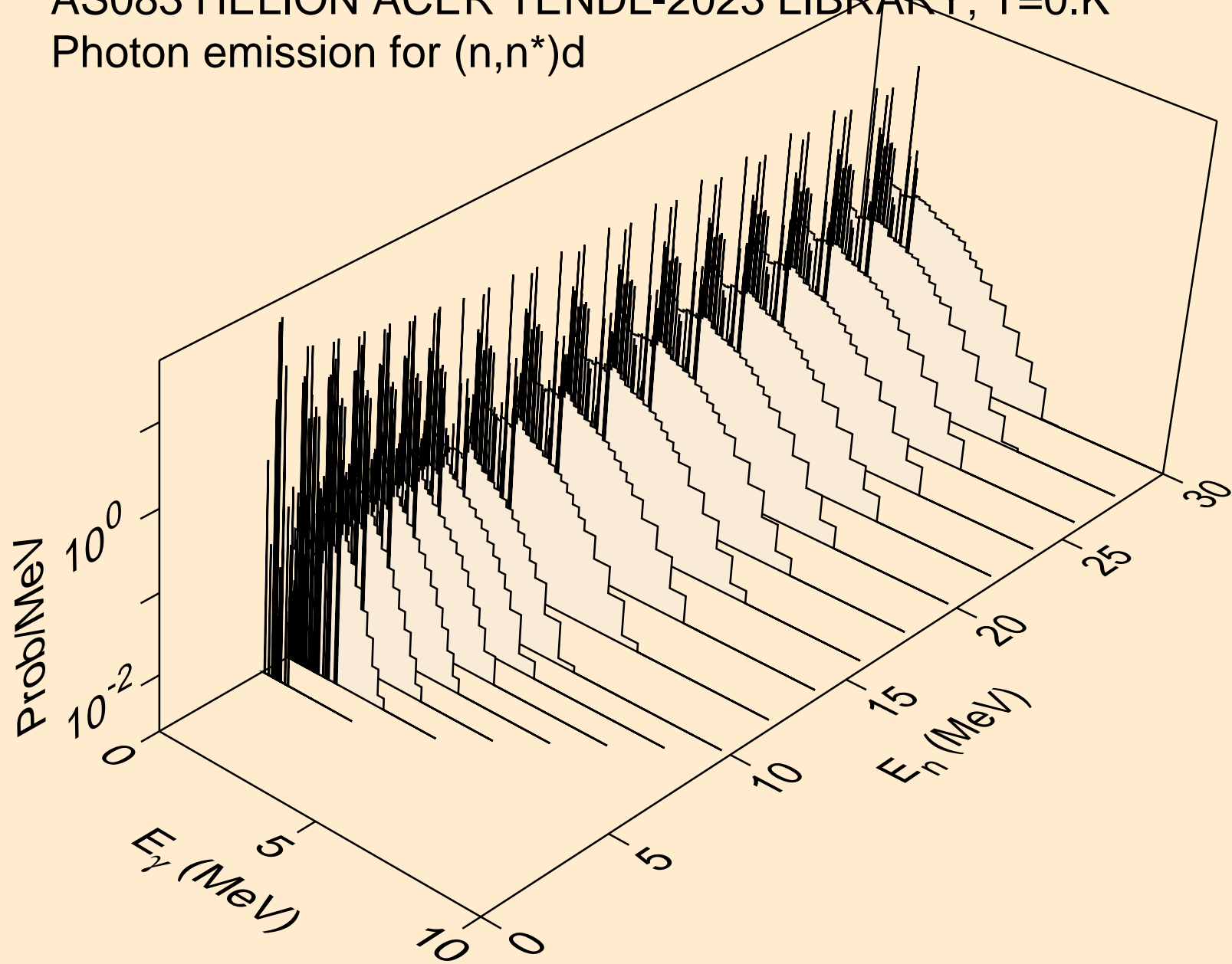
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Photon emission for (n,n\*)2a



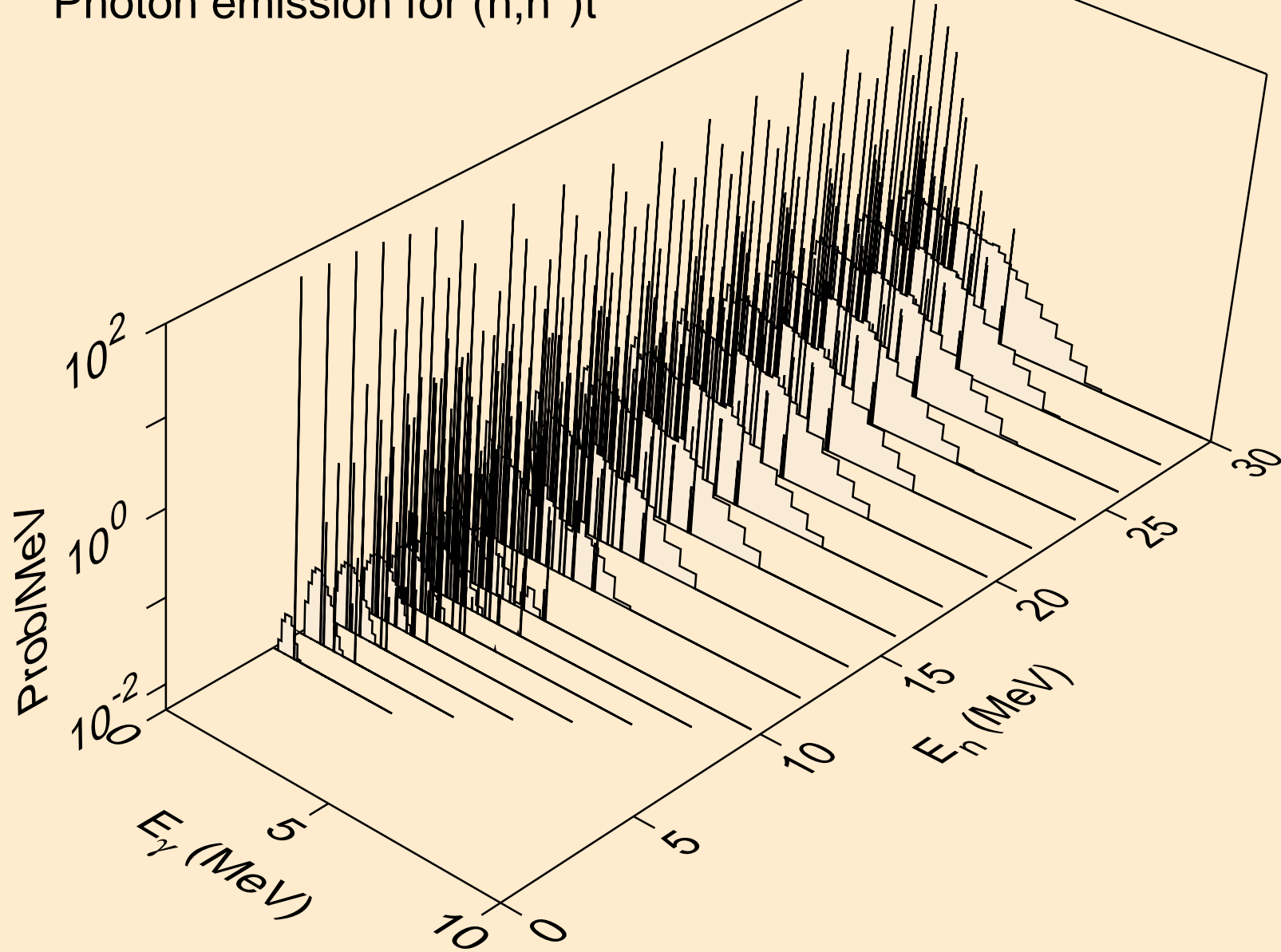
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Photon emission for (n,2n)2a



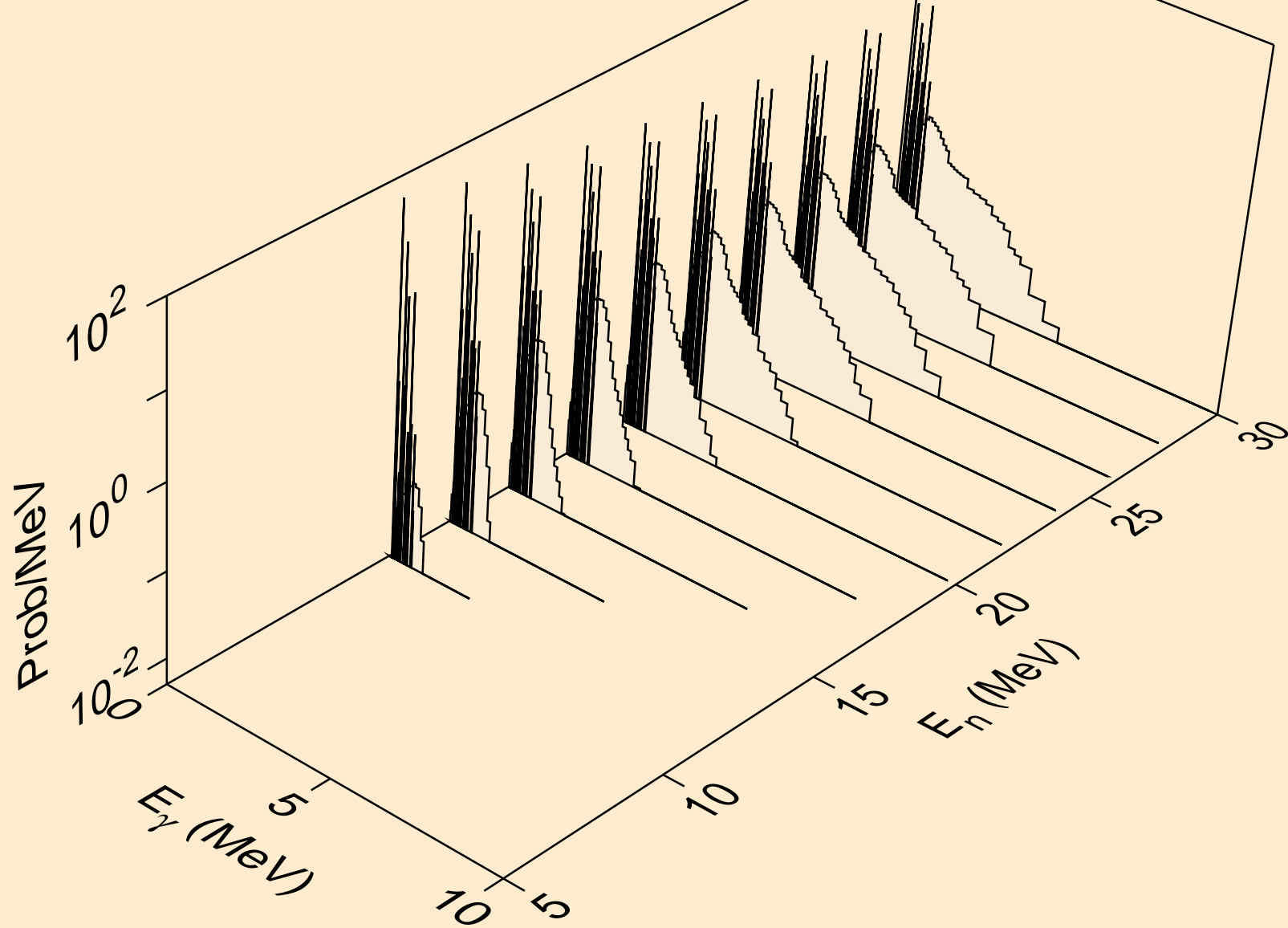
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Photon emission for (n,n\*)d



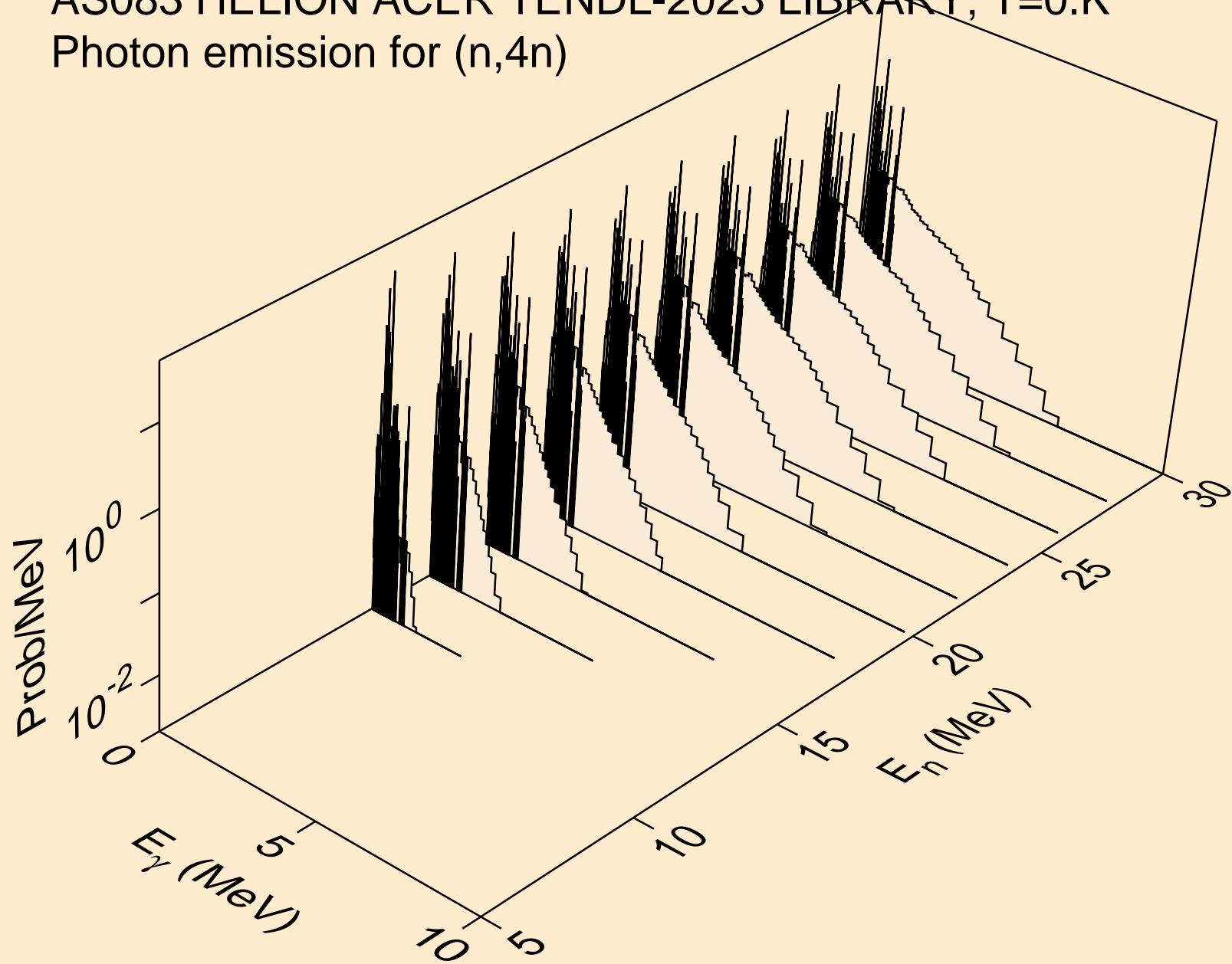
AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

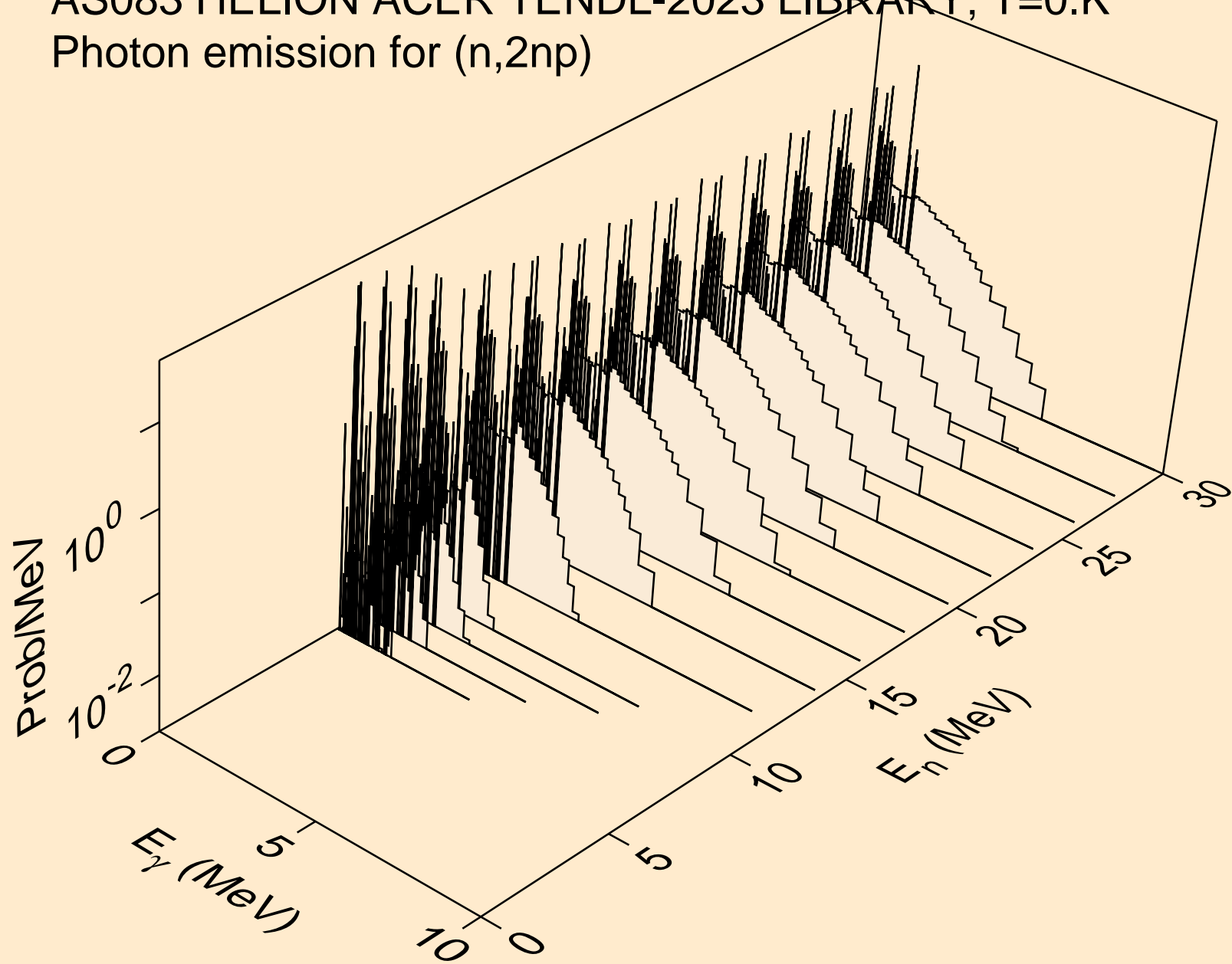


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Photon emission for (n,4n)

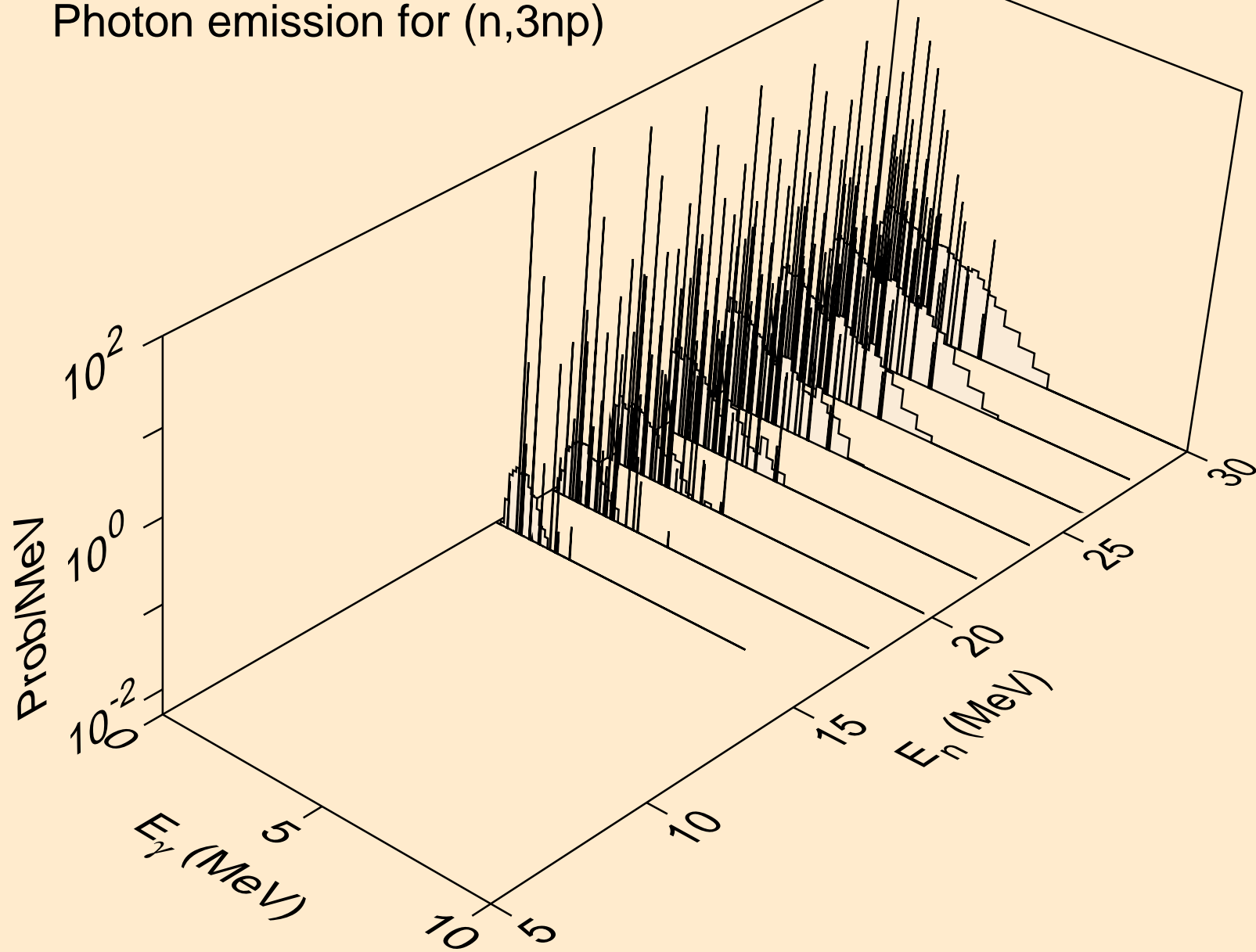




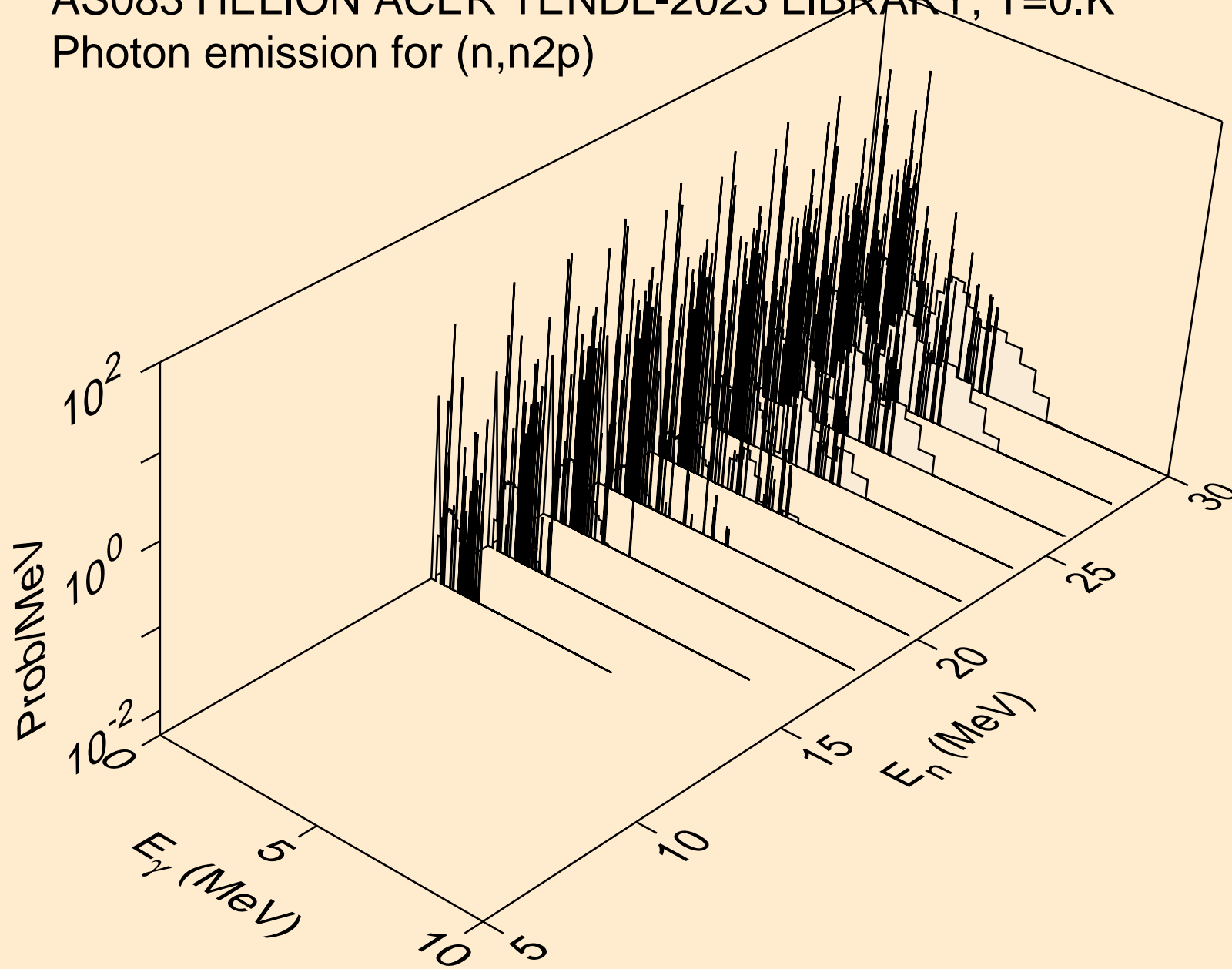
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Photon emission for (n,2np)



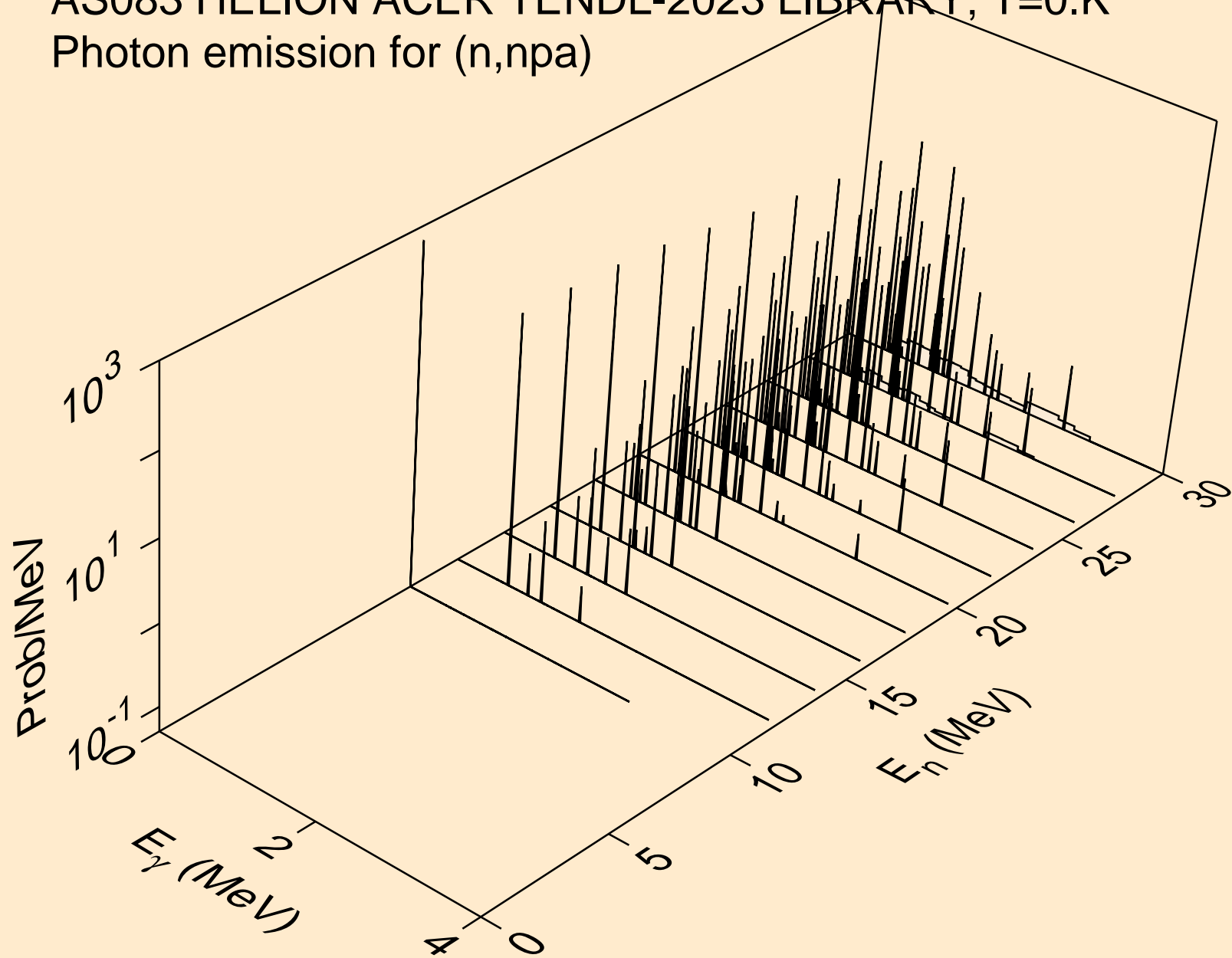
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Photon emission for (n,3np)



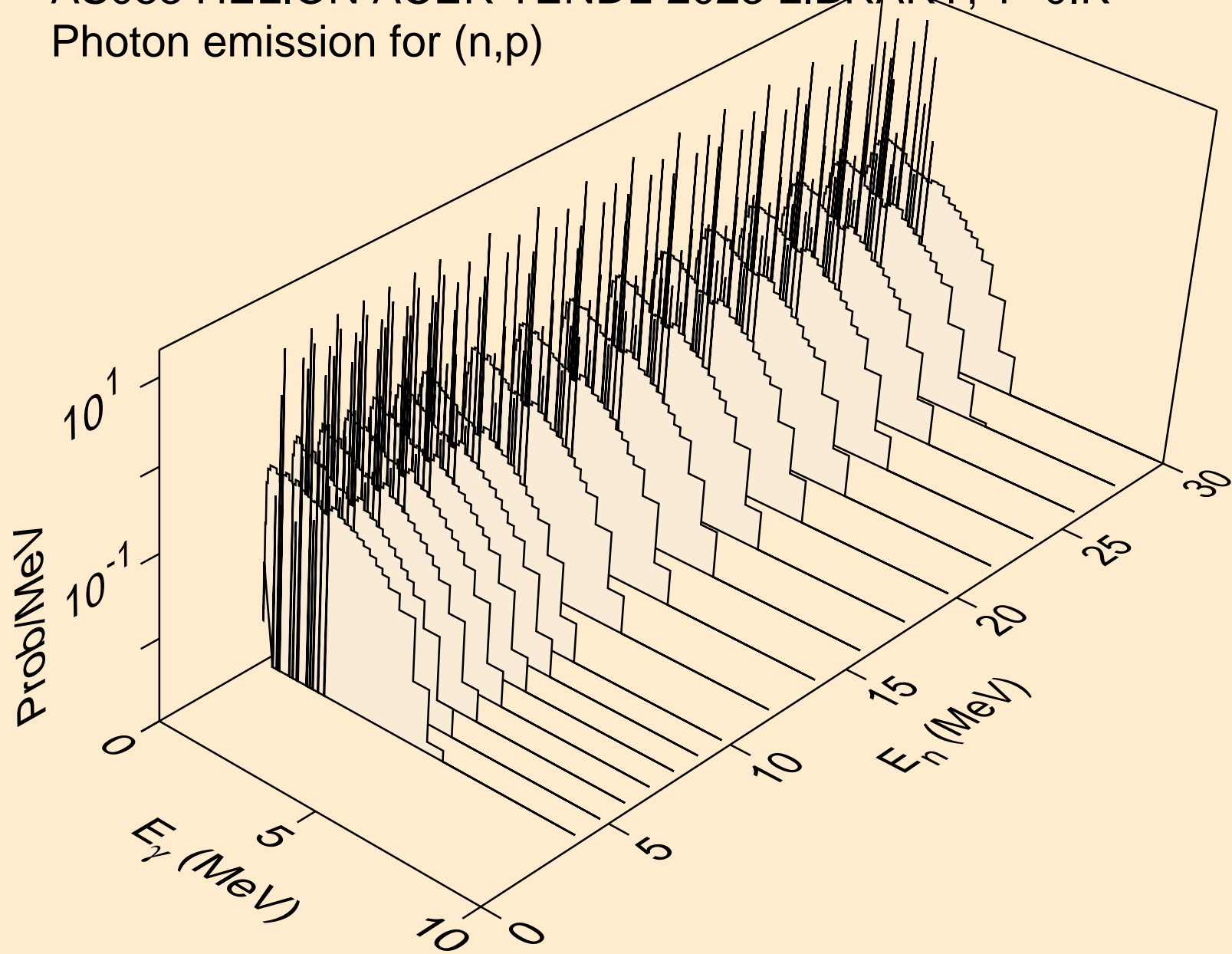
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Photon emission for (n,n2p)



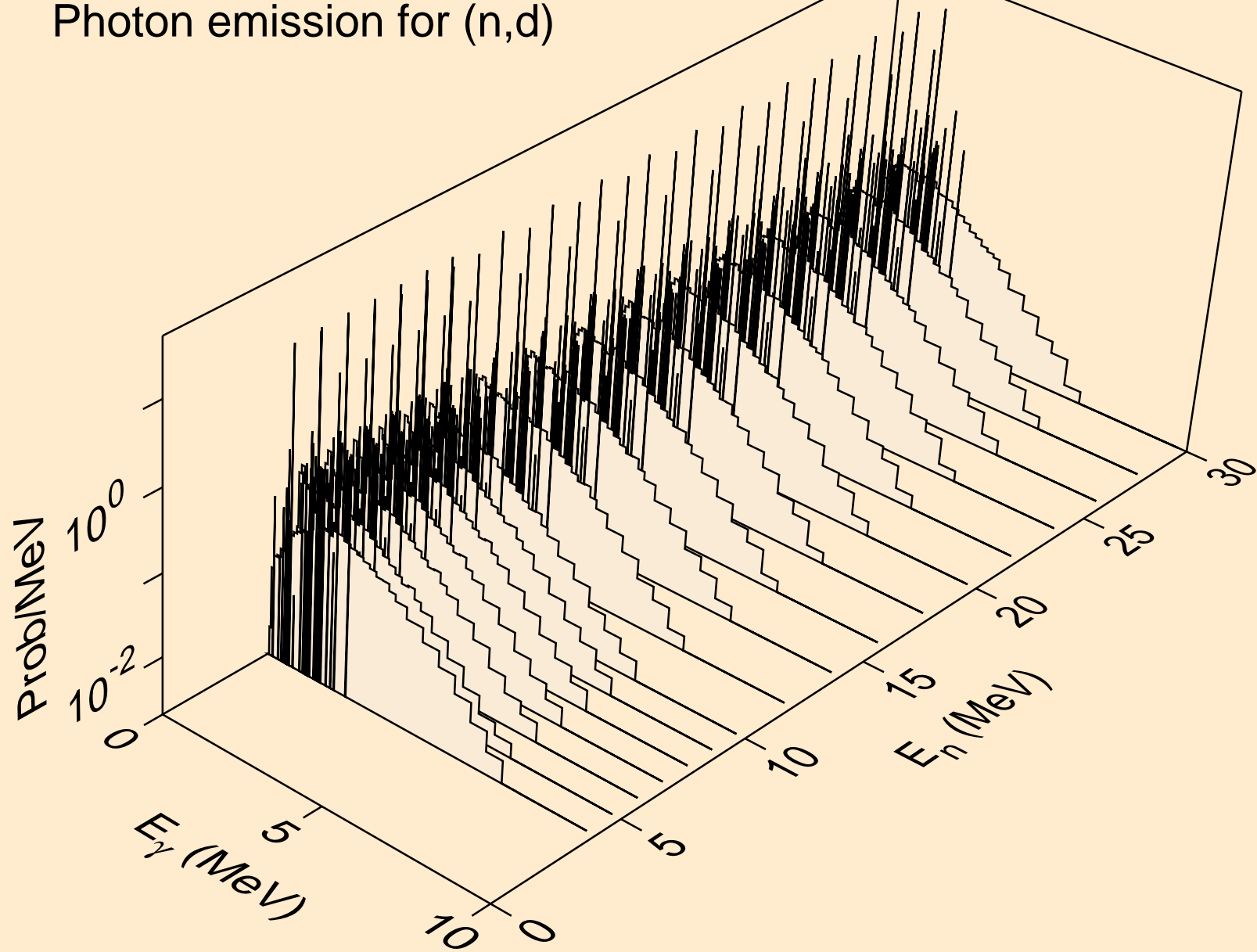
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Photon emission for (n,npa)



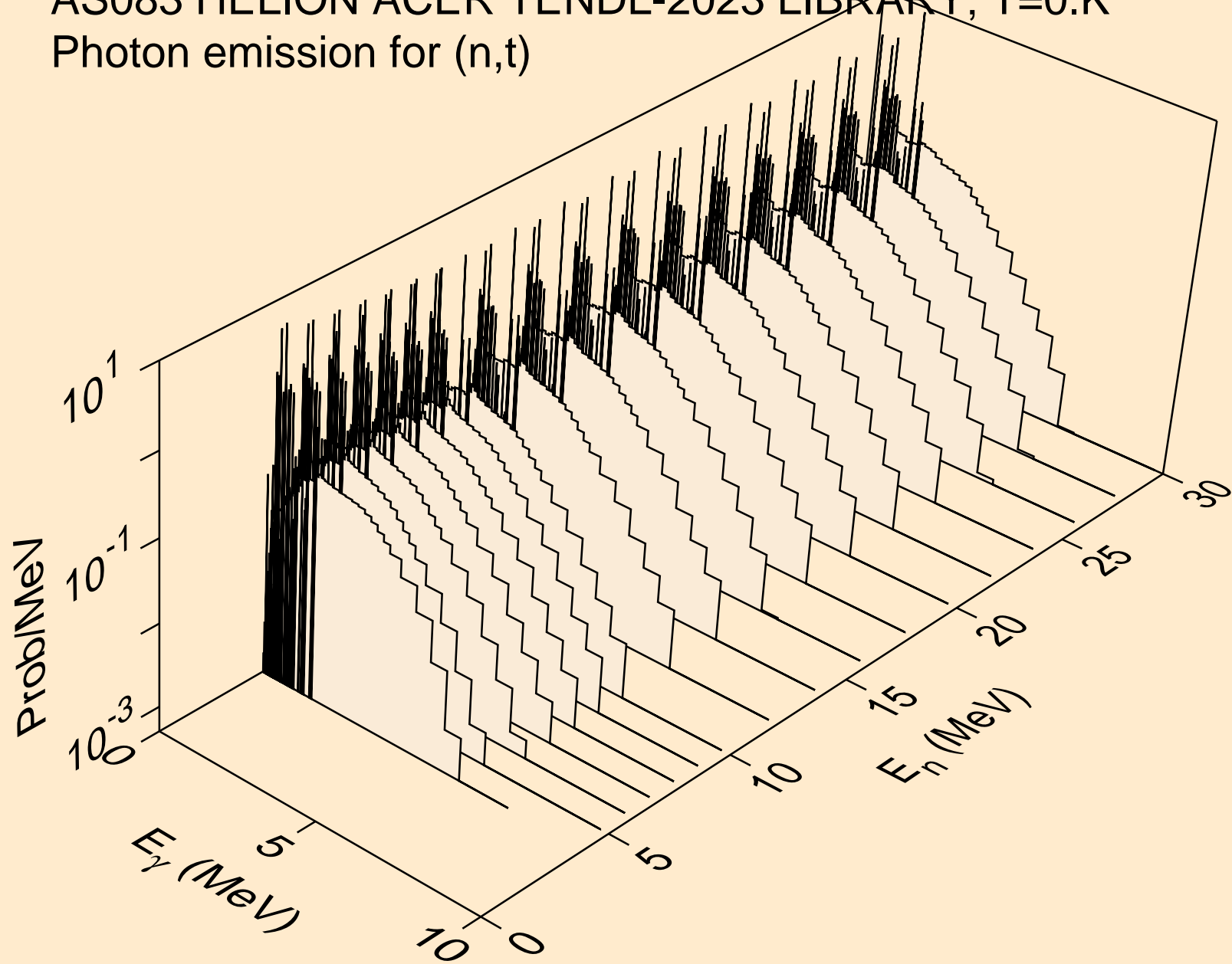
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Photon emission for (n,p)



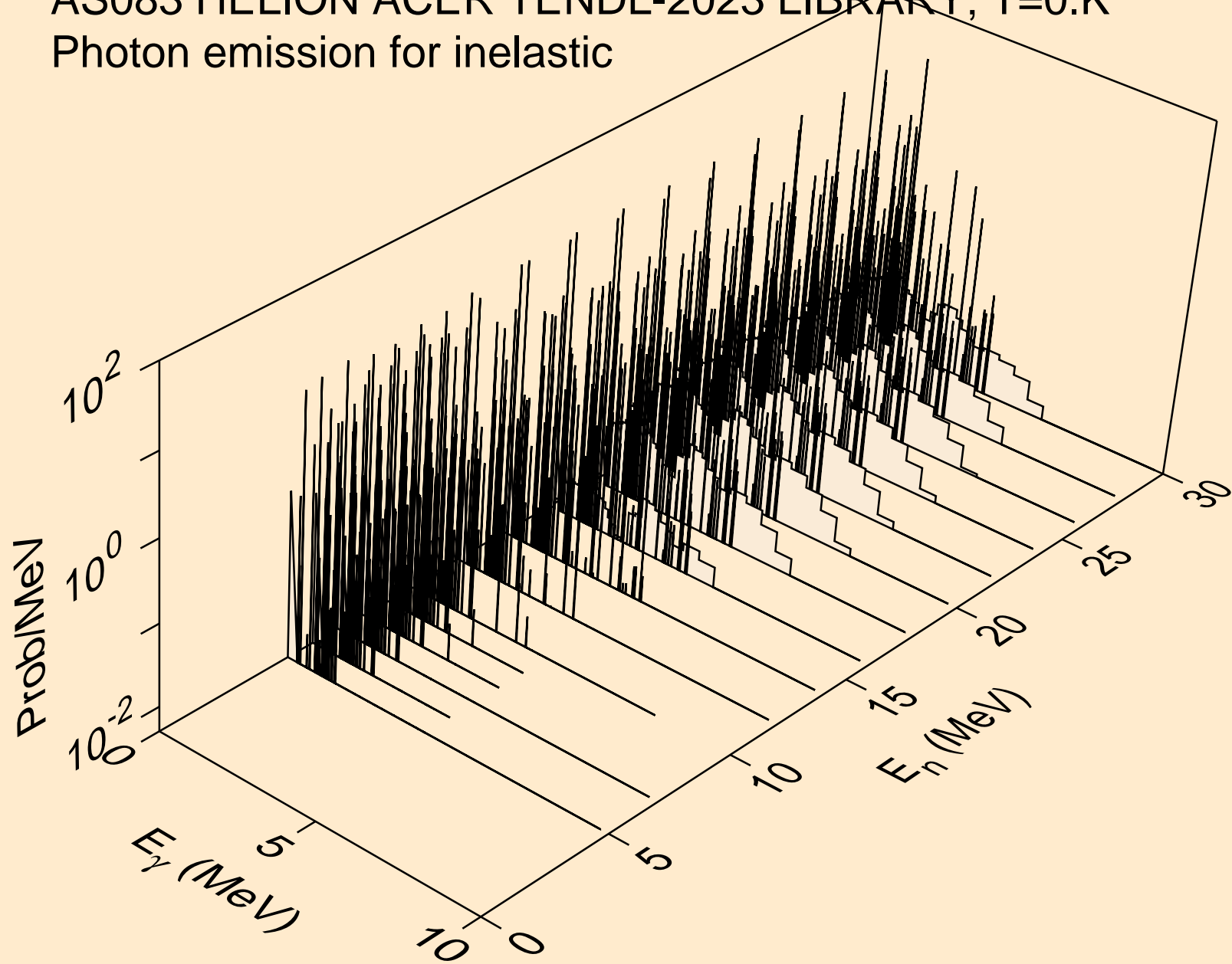
AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

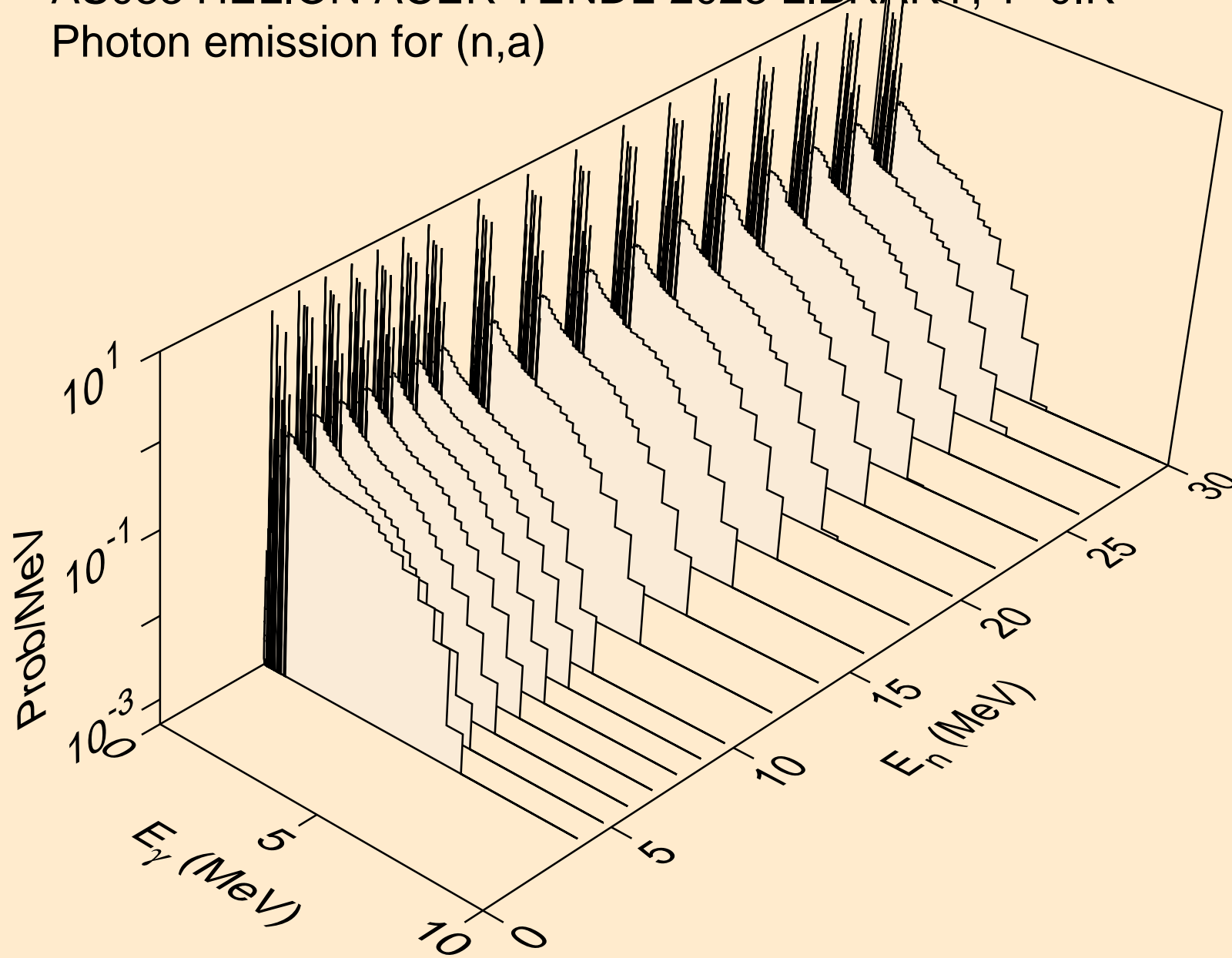


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Photon emission for inelastic

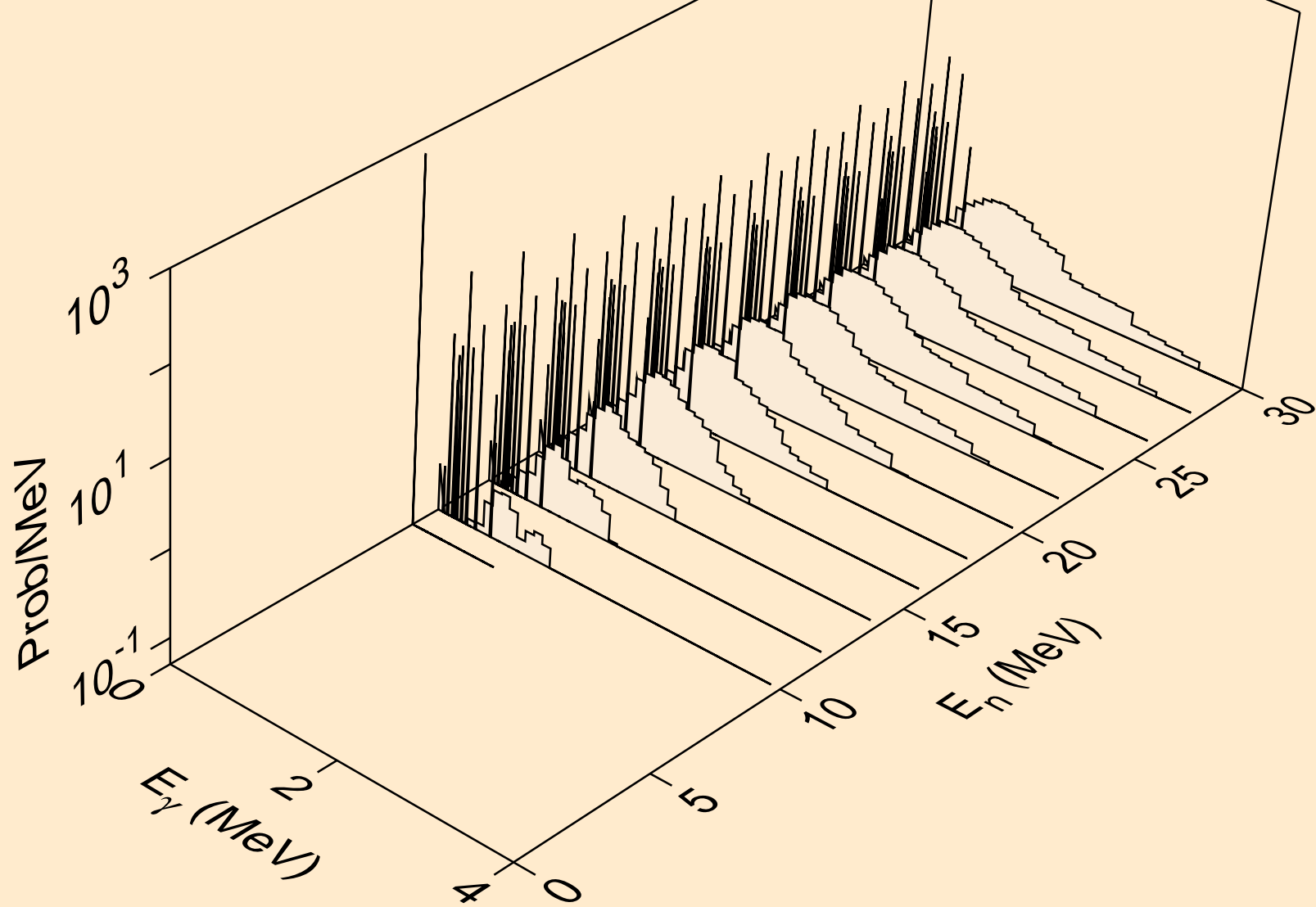




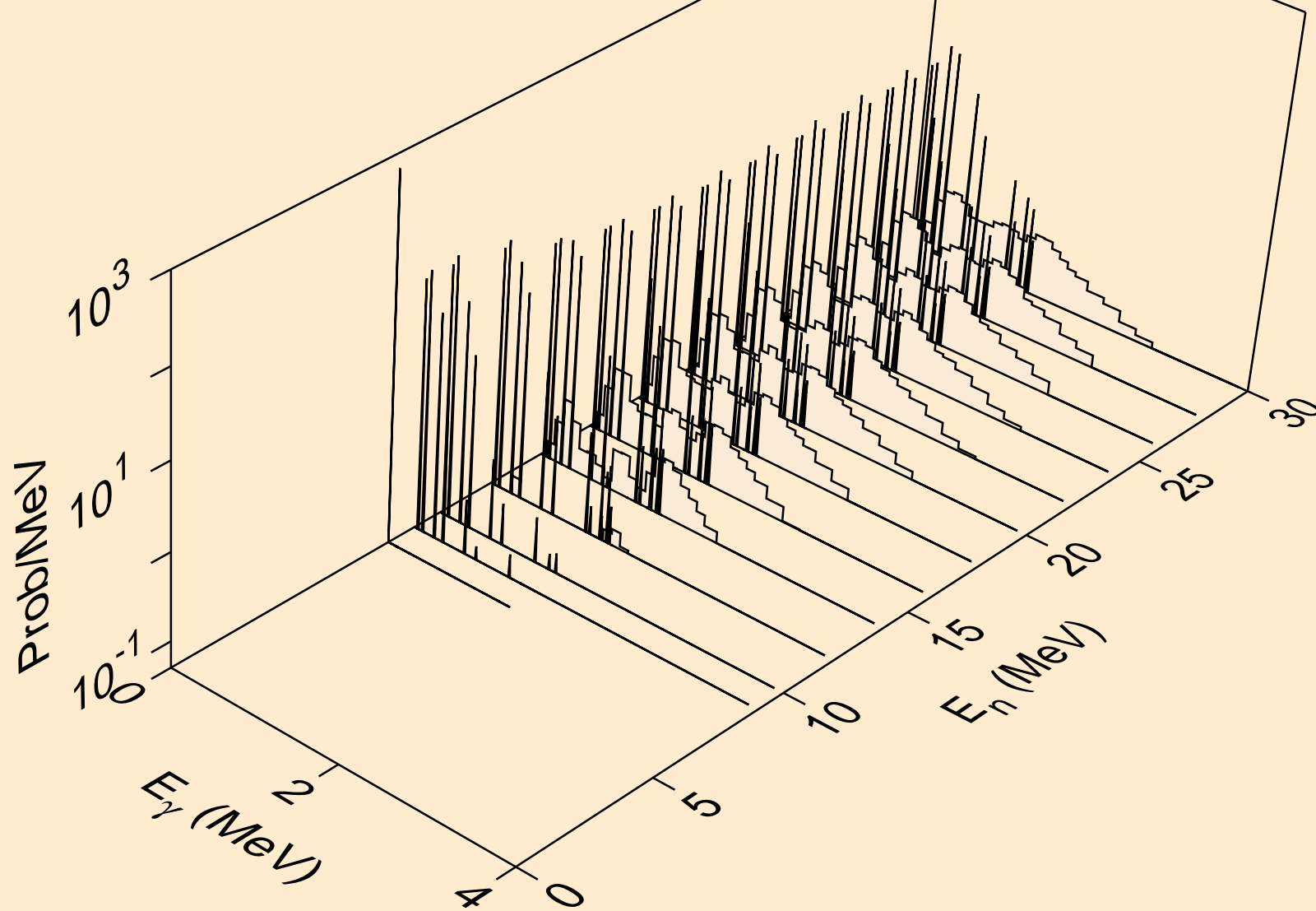
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Photon emission for (n,a)



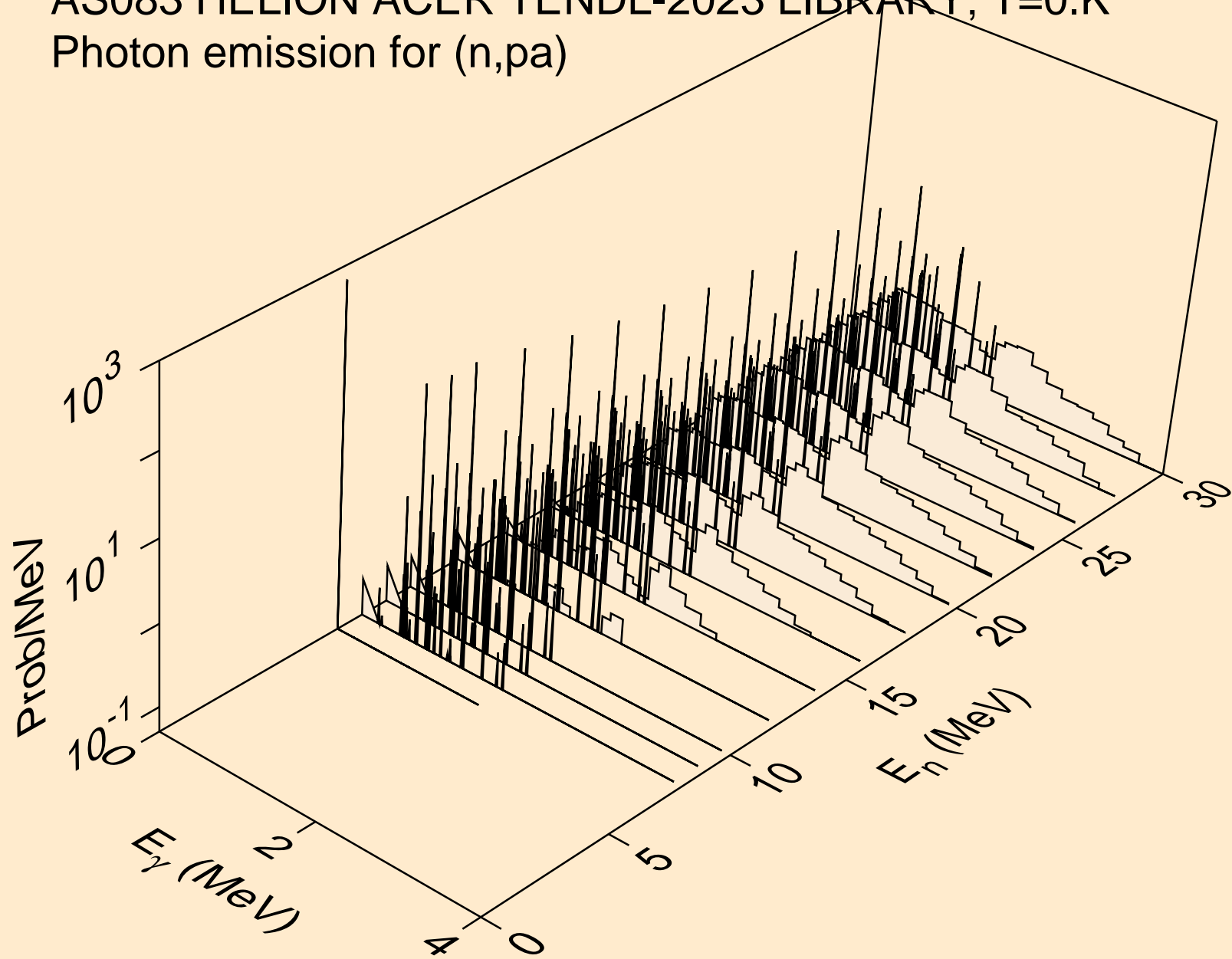
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Photon emission for (n,2a)



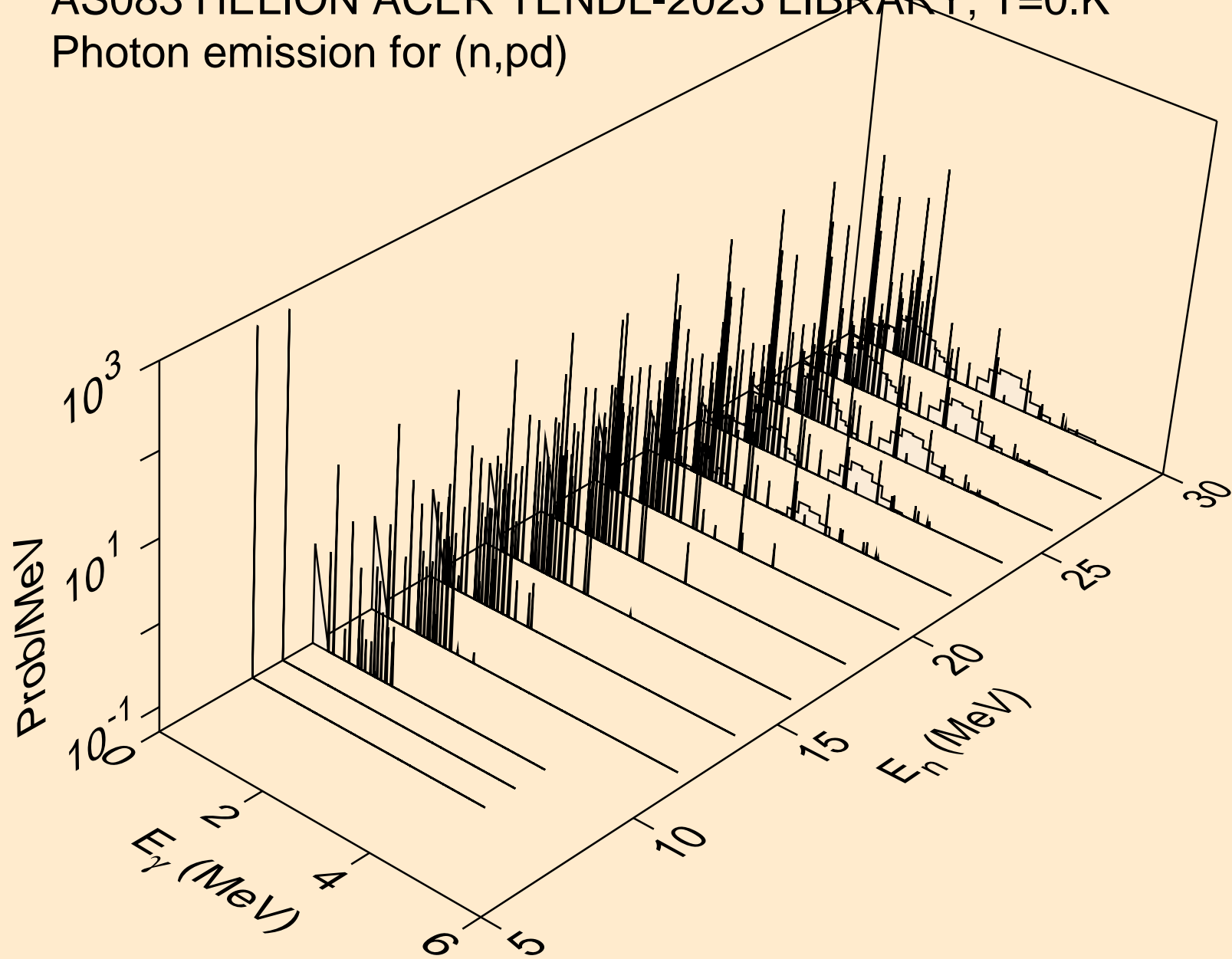
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Photon emission for (n,2p)



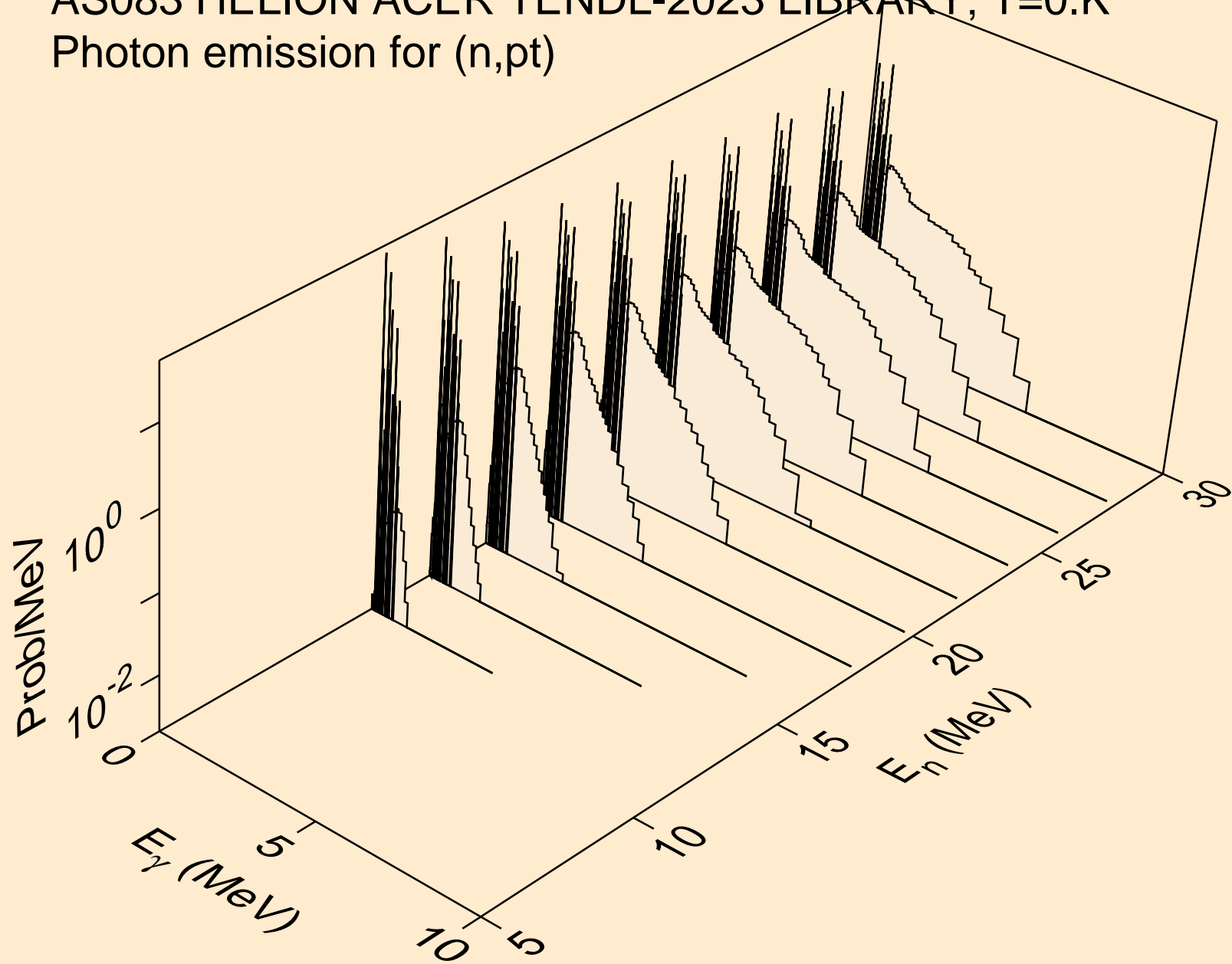
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Photon emission for (n,pa)



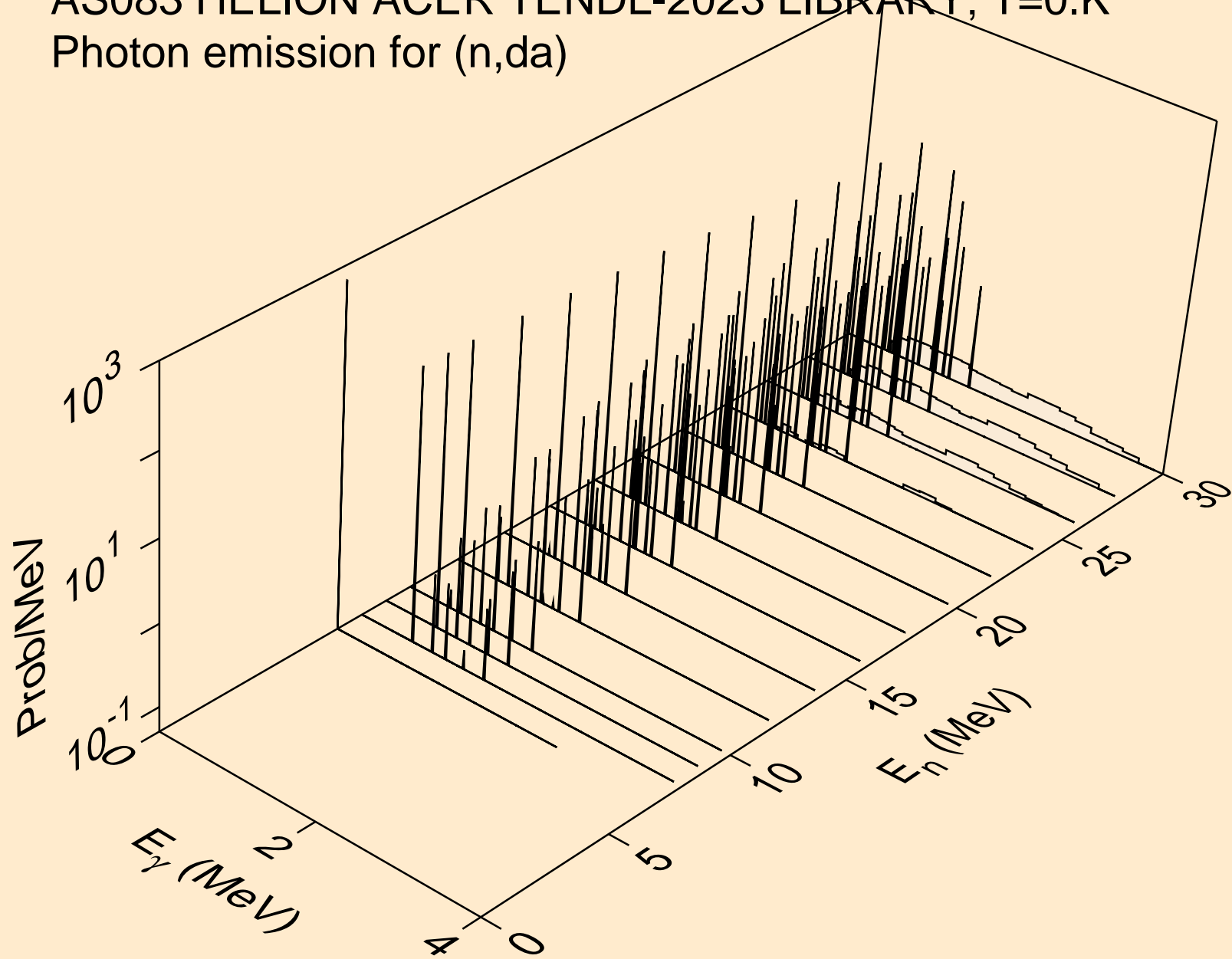
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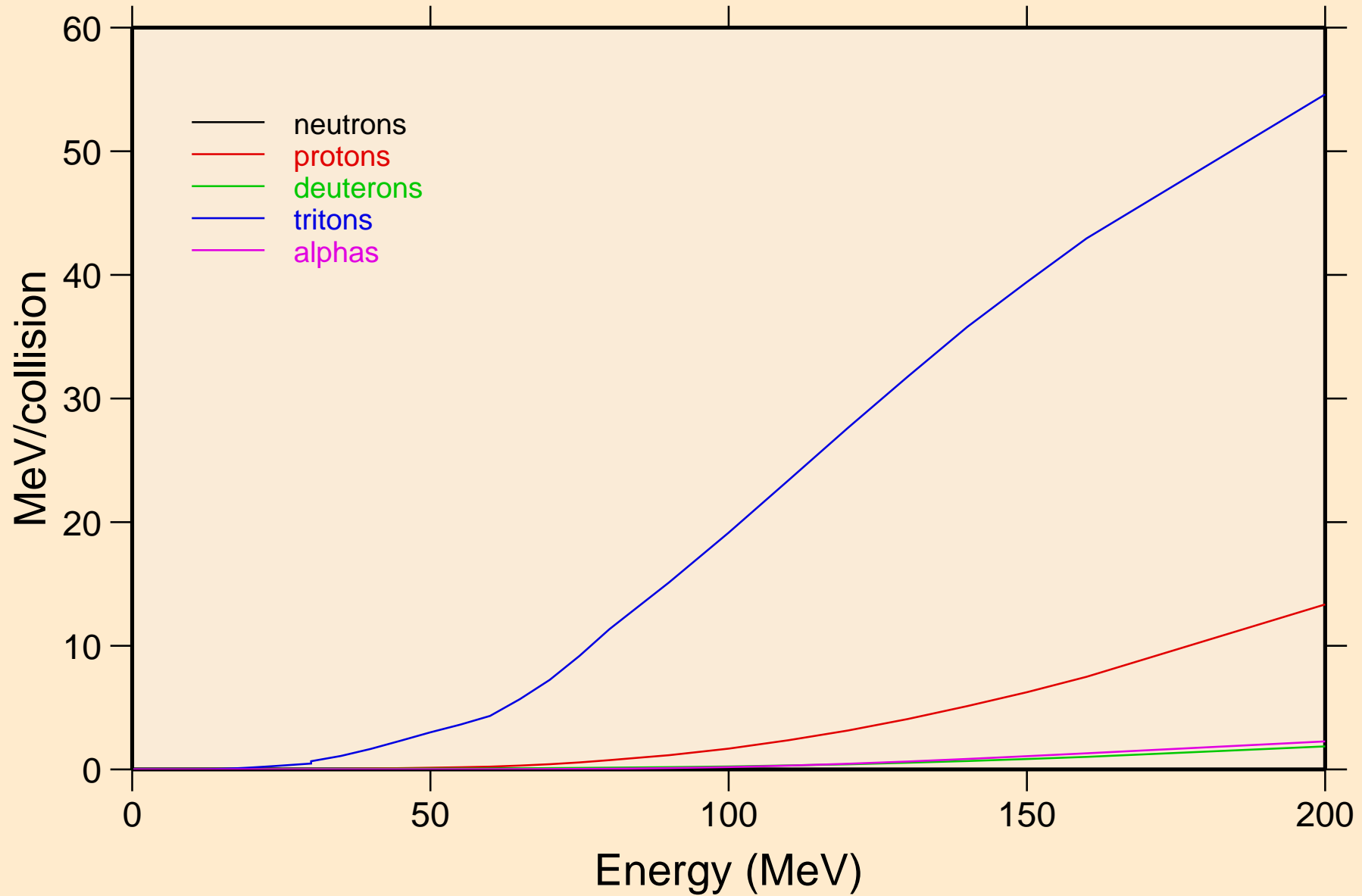
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Photon emission for (n,pt)



AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

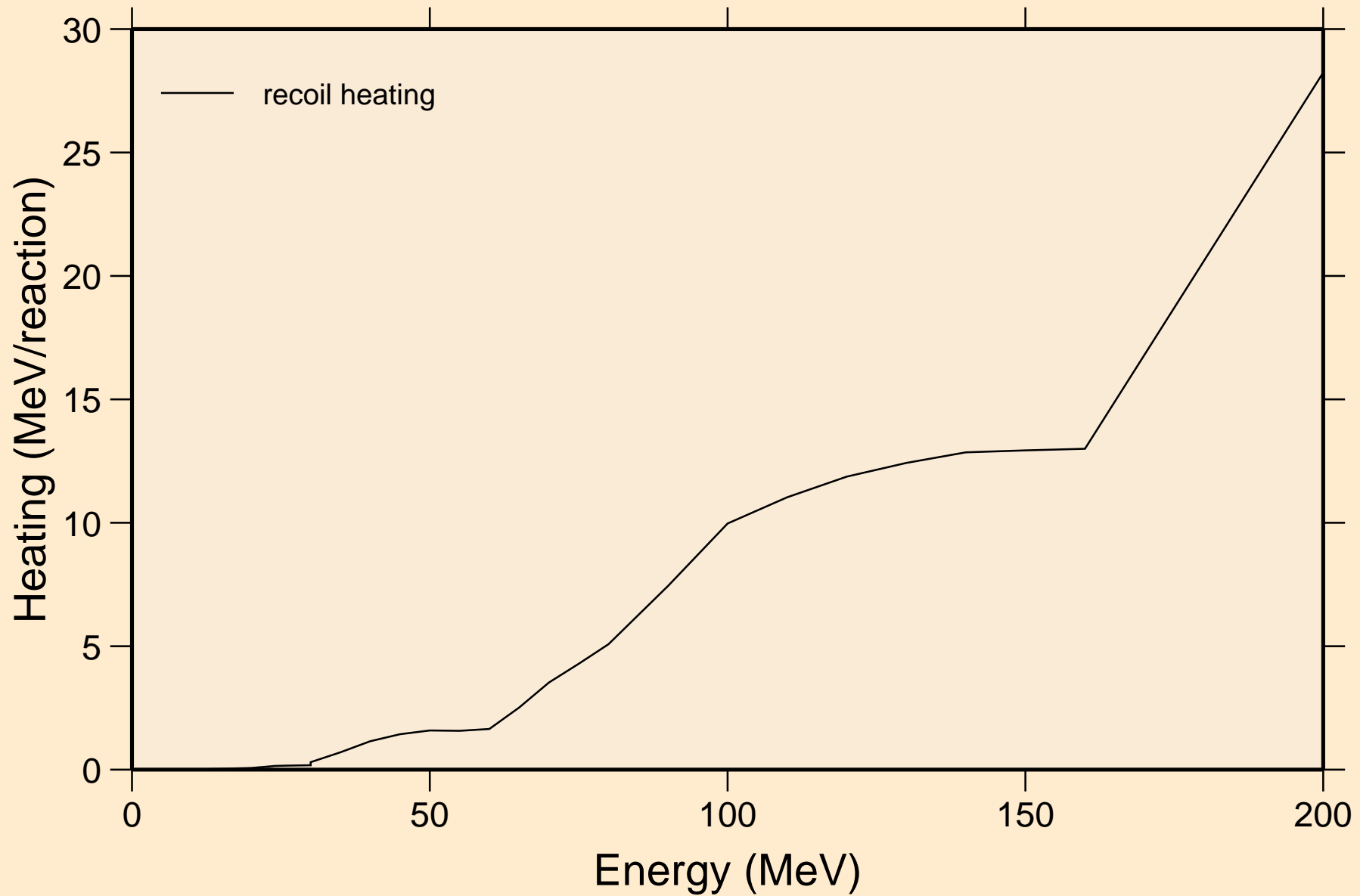


AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions

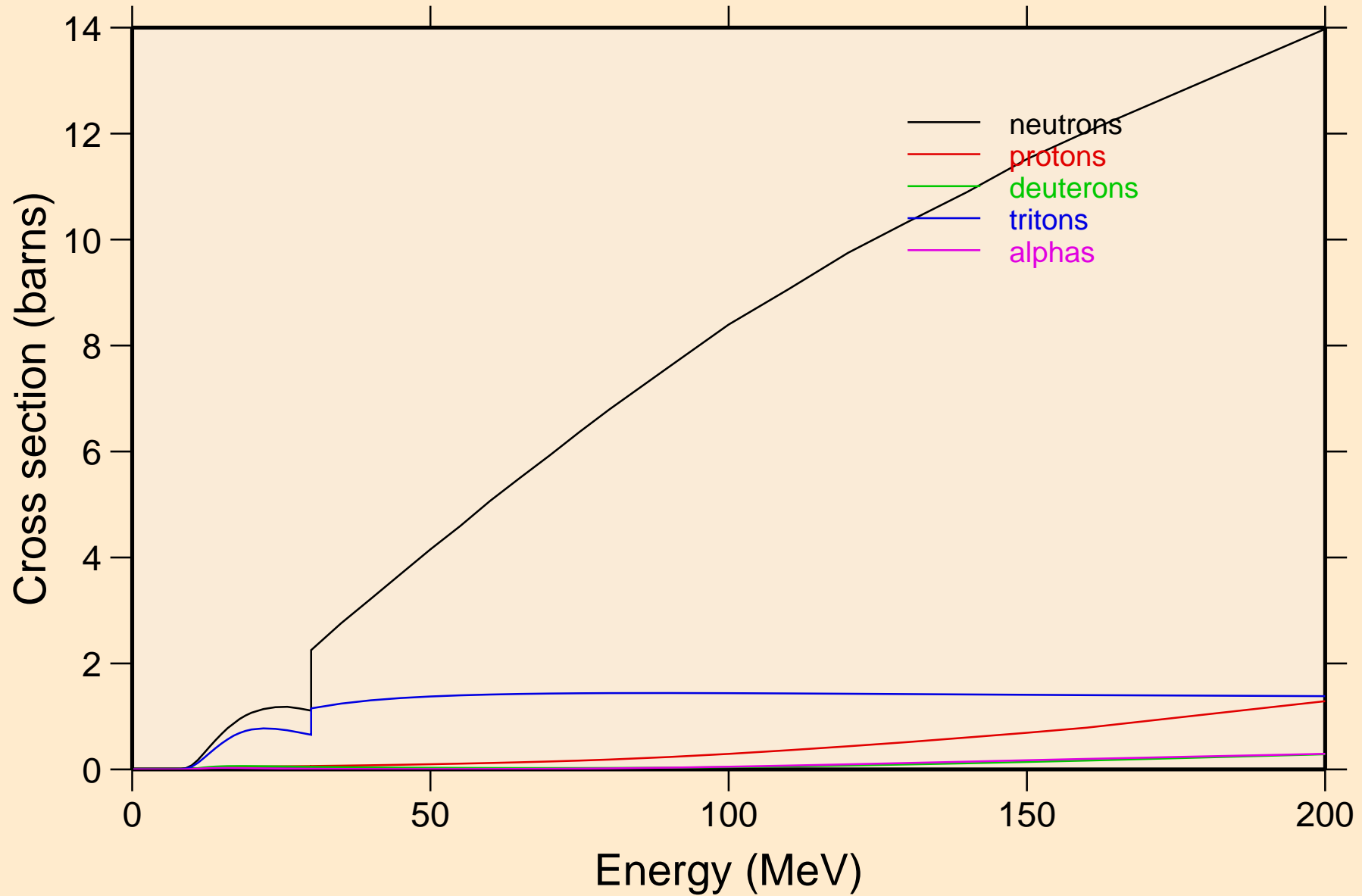




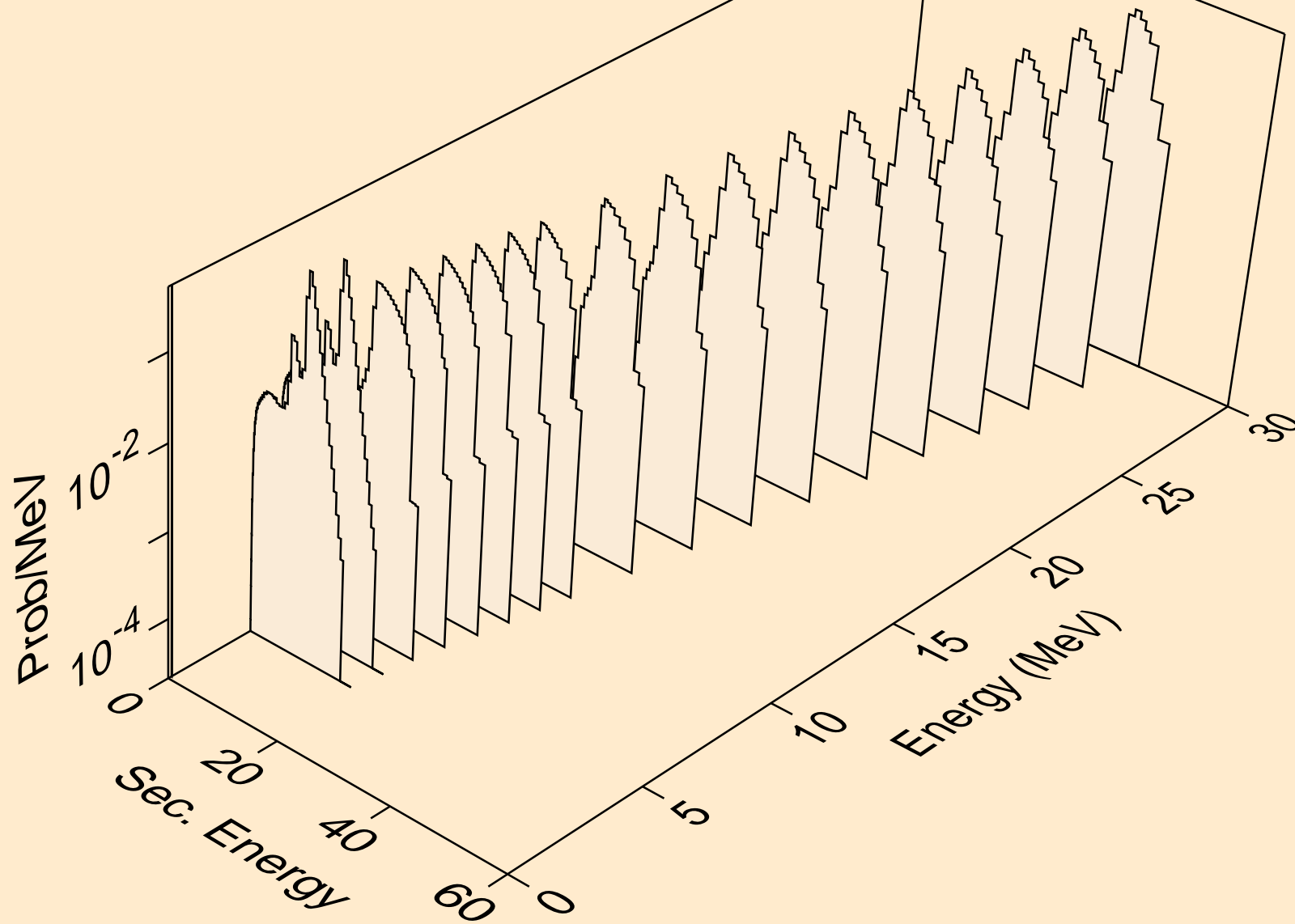
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Recoil Heating



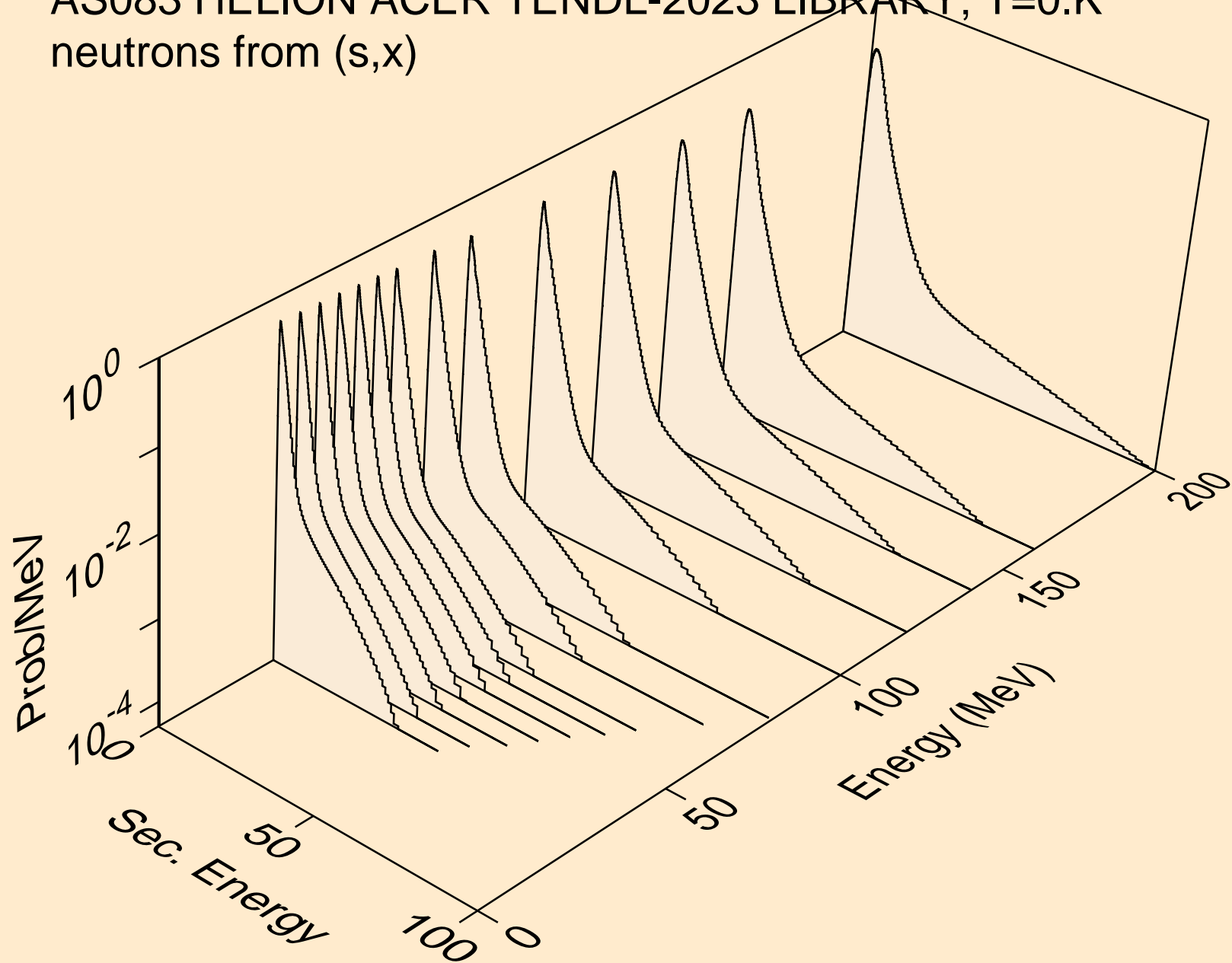
AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



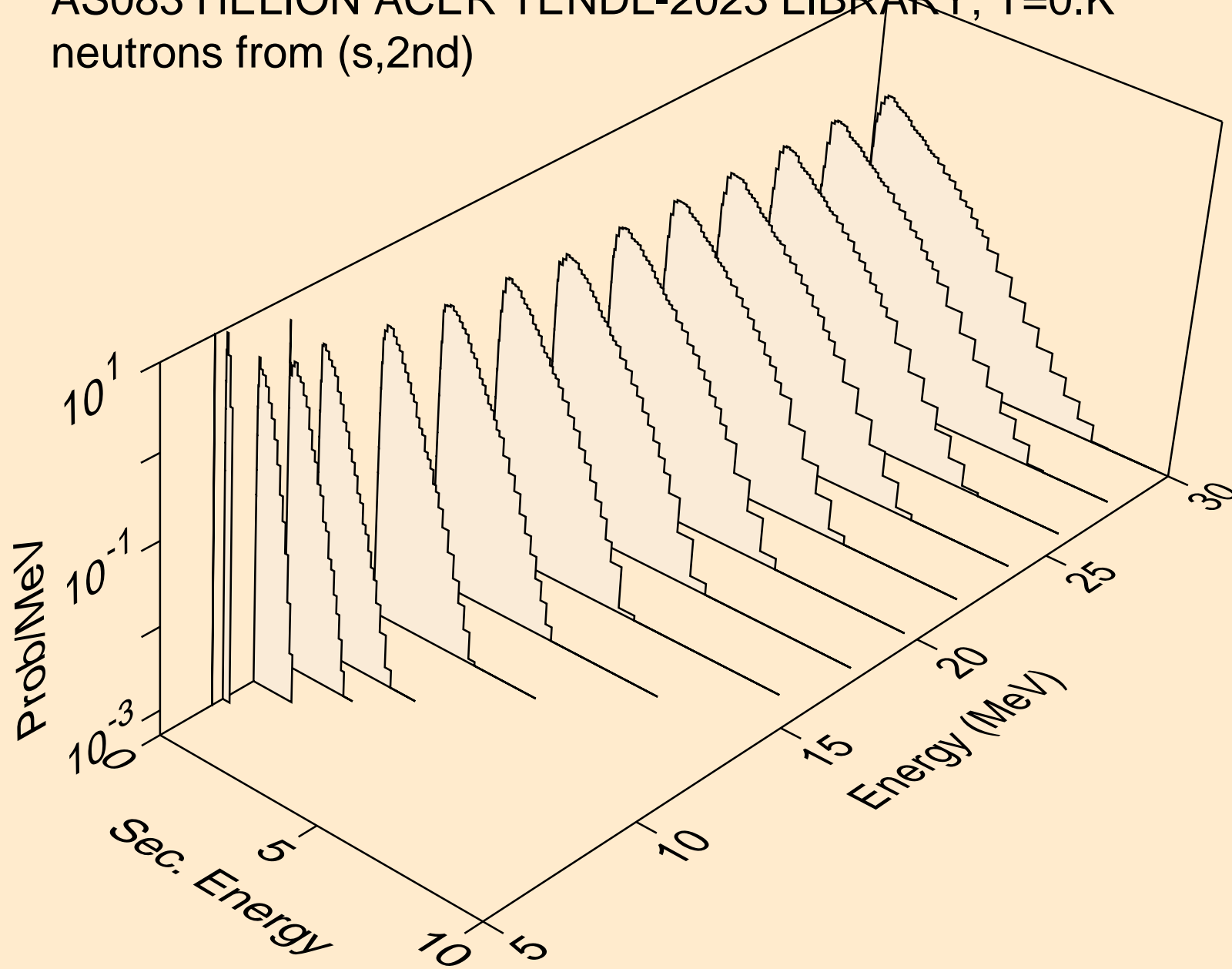
AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



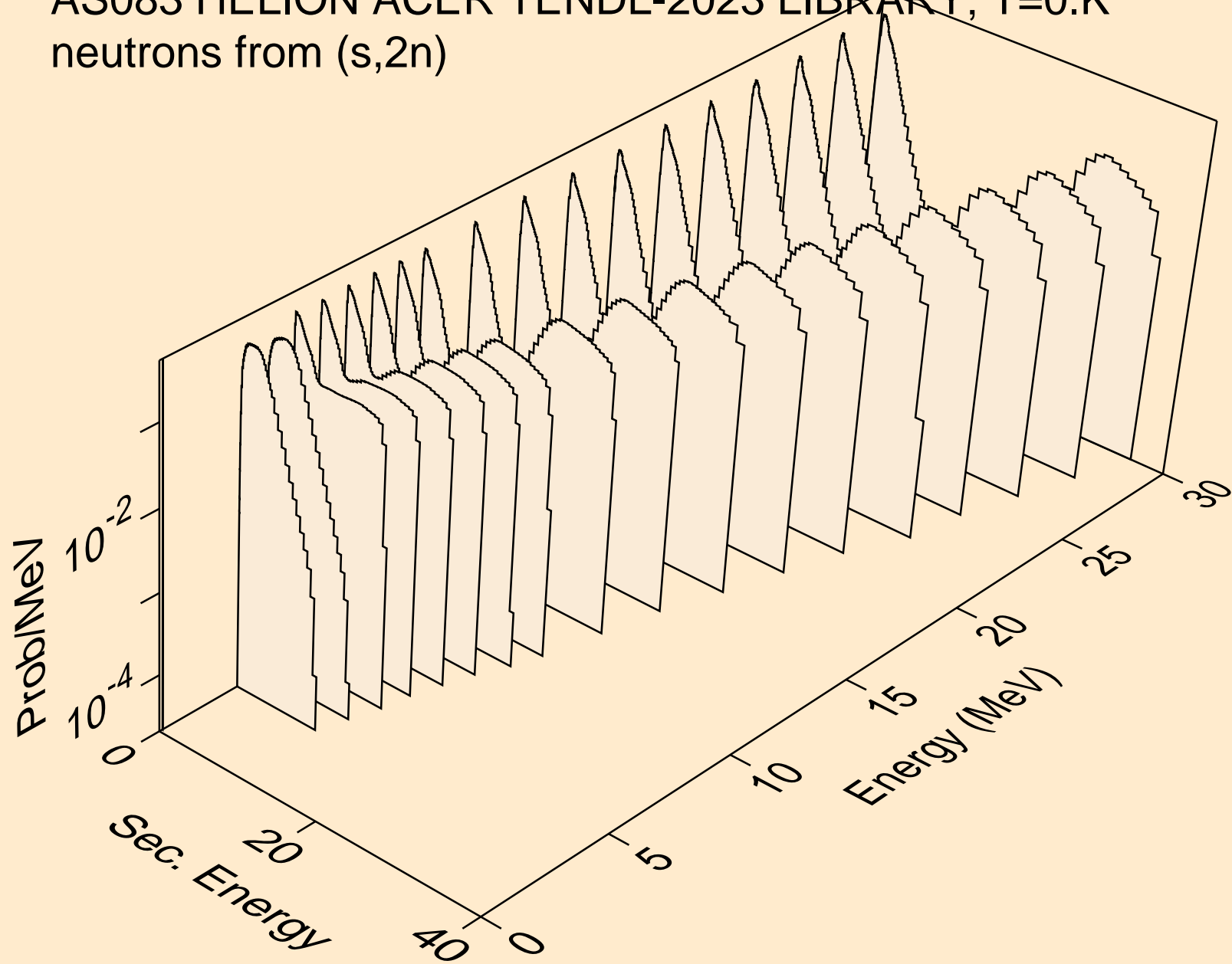
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neutrons from (s,x)



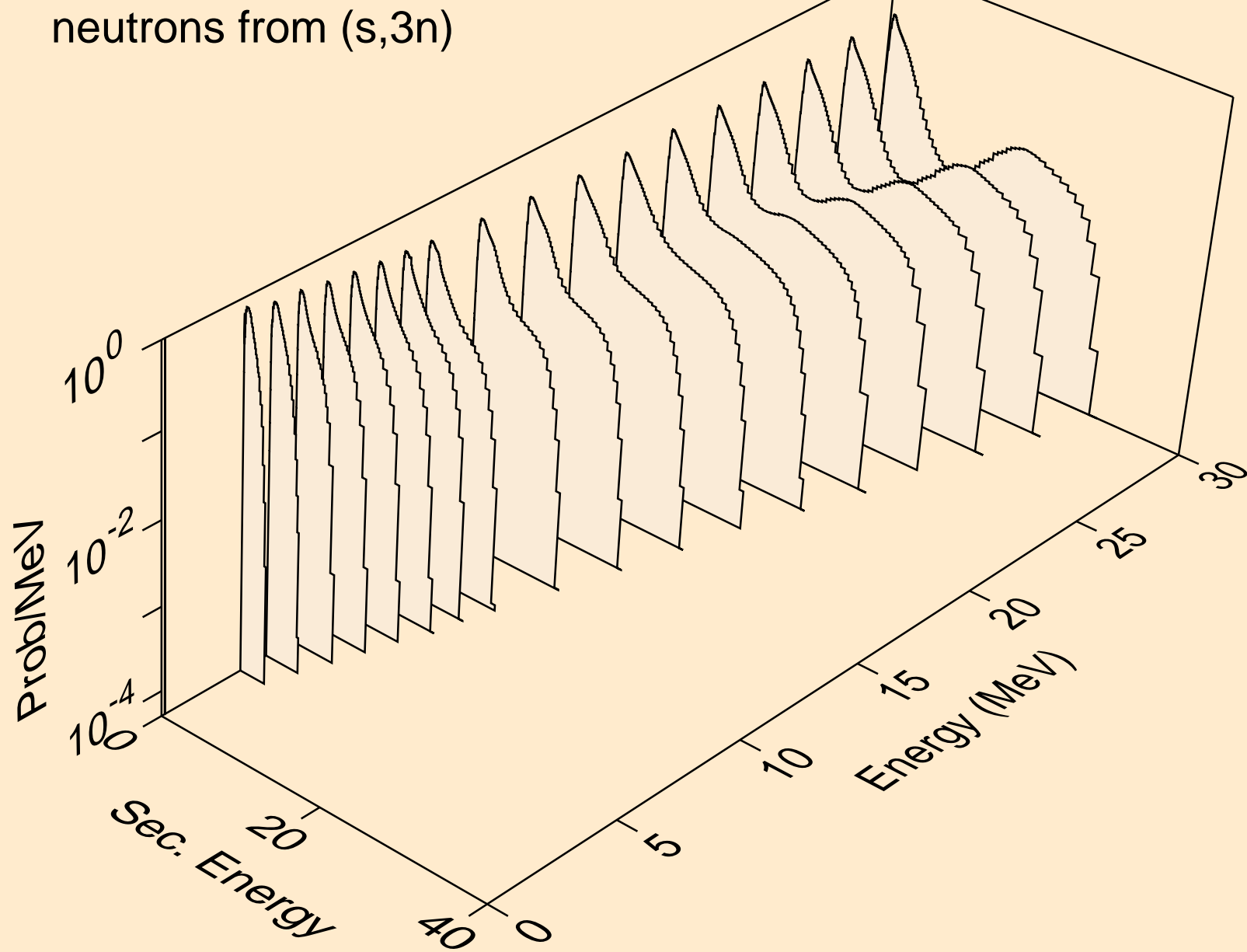
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neutrons from (s,2nd)



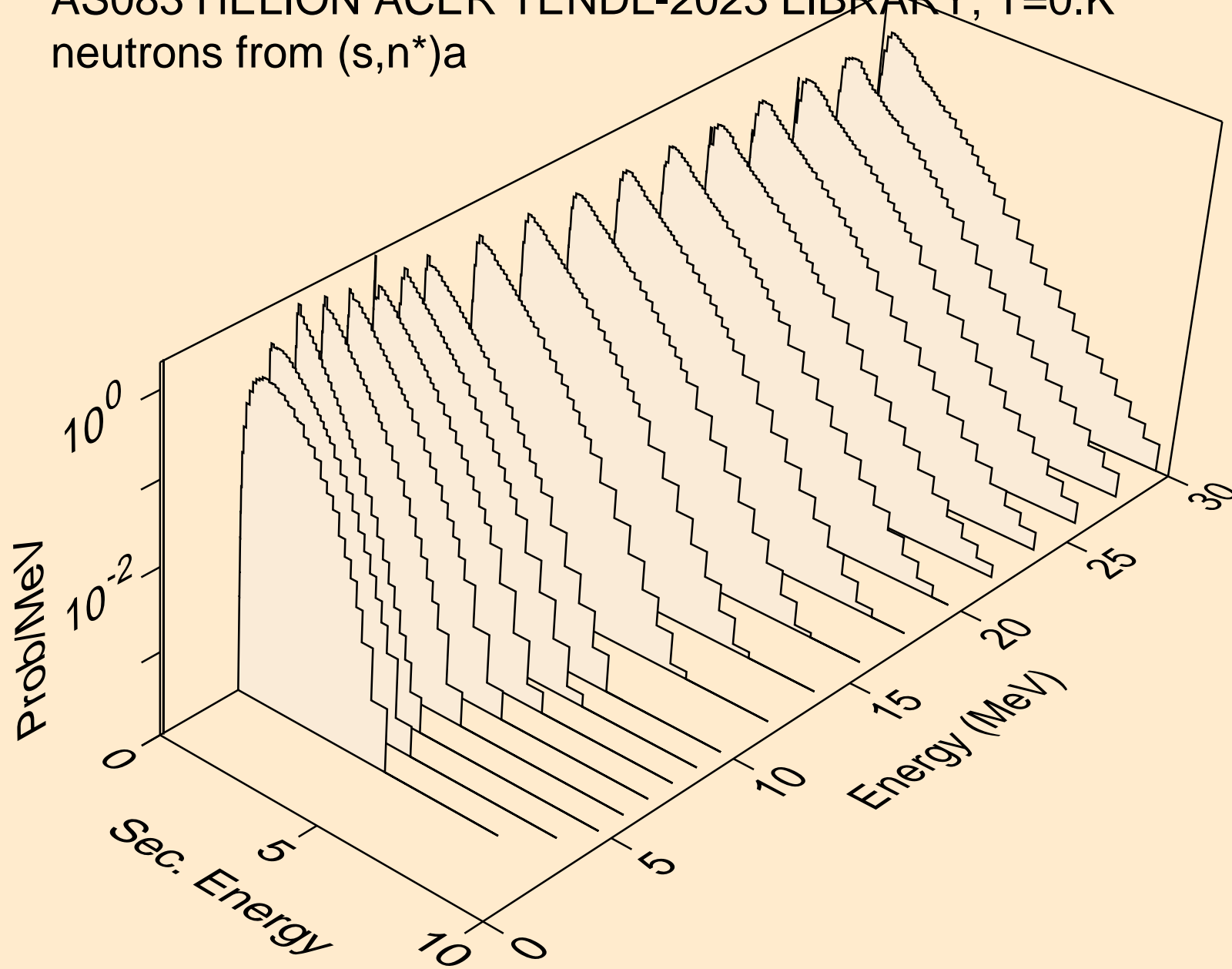
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neutrons from (s,2n)



AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3n)

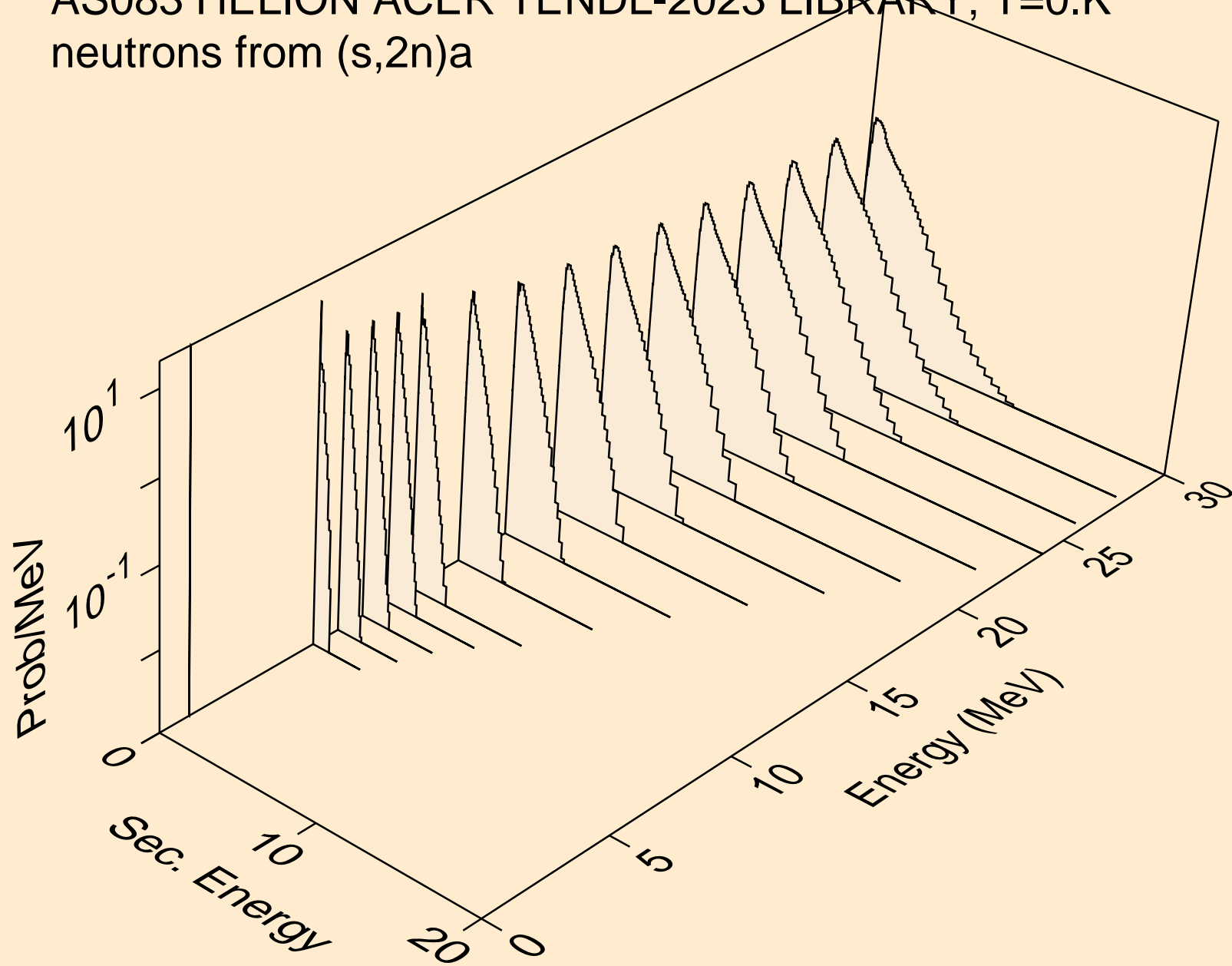


AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a

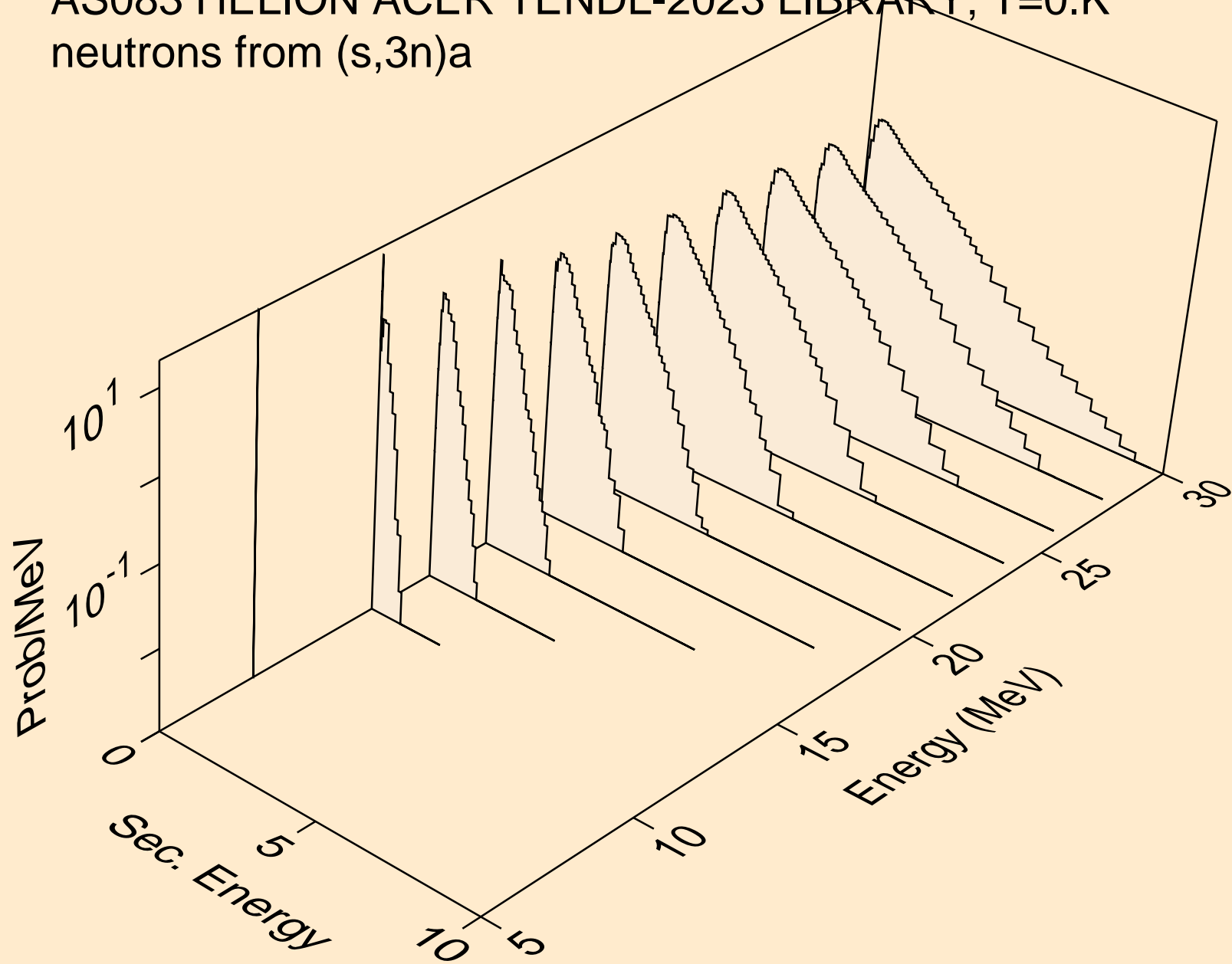




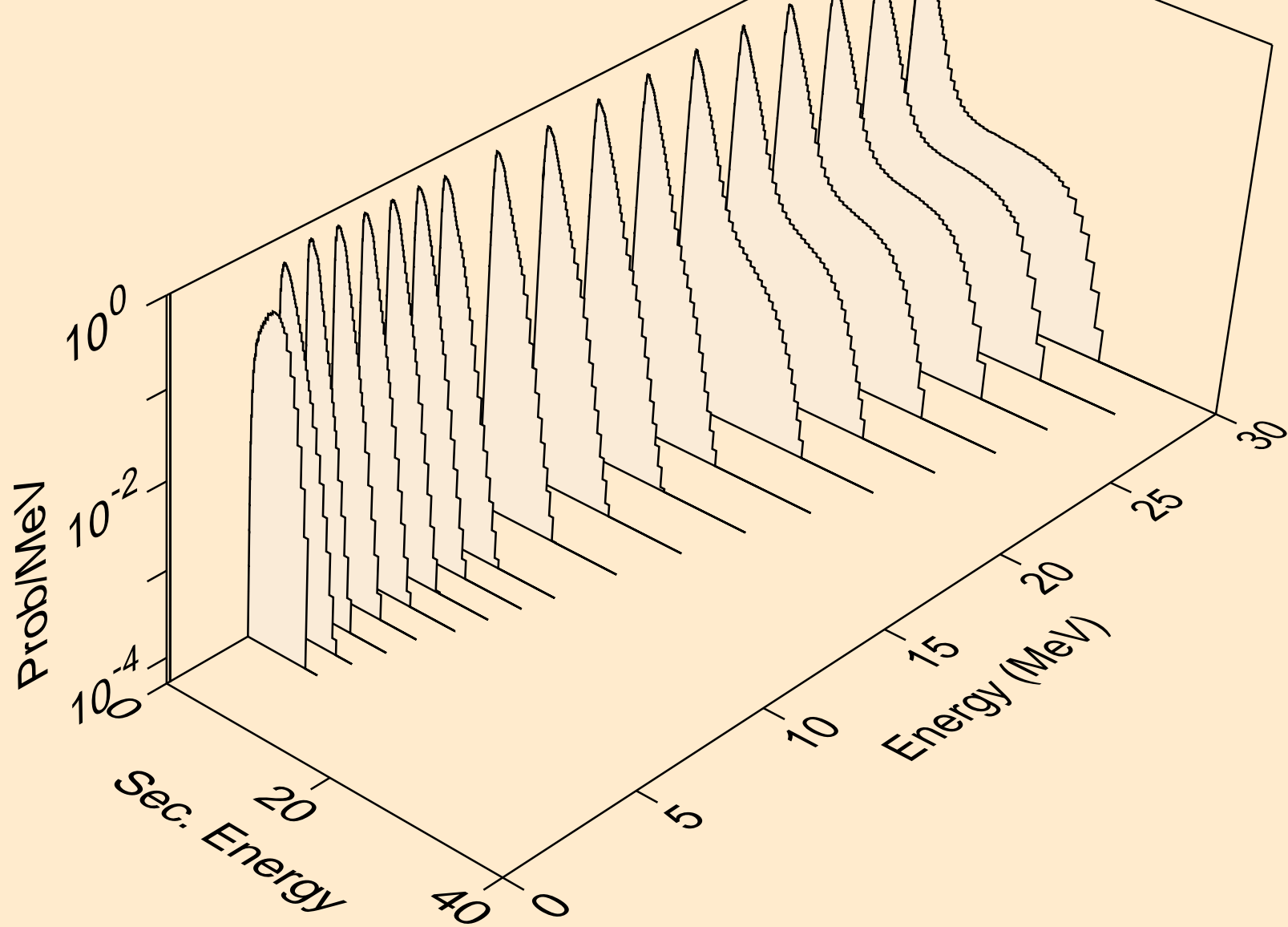
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neutrons from (s,2n)a



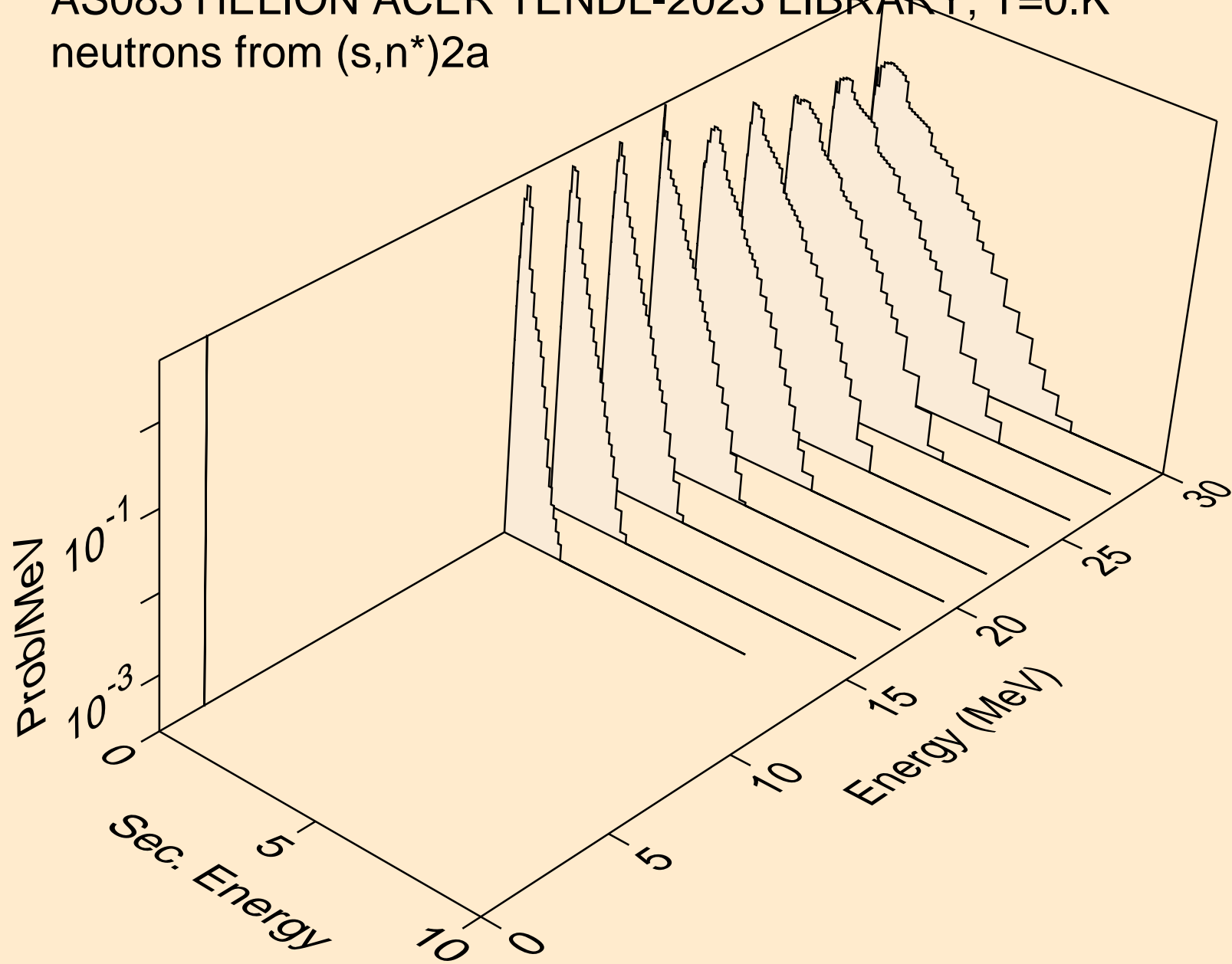
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neutrons from (s,3n)a



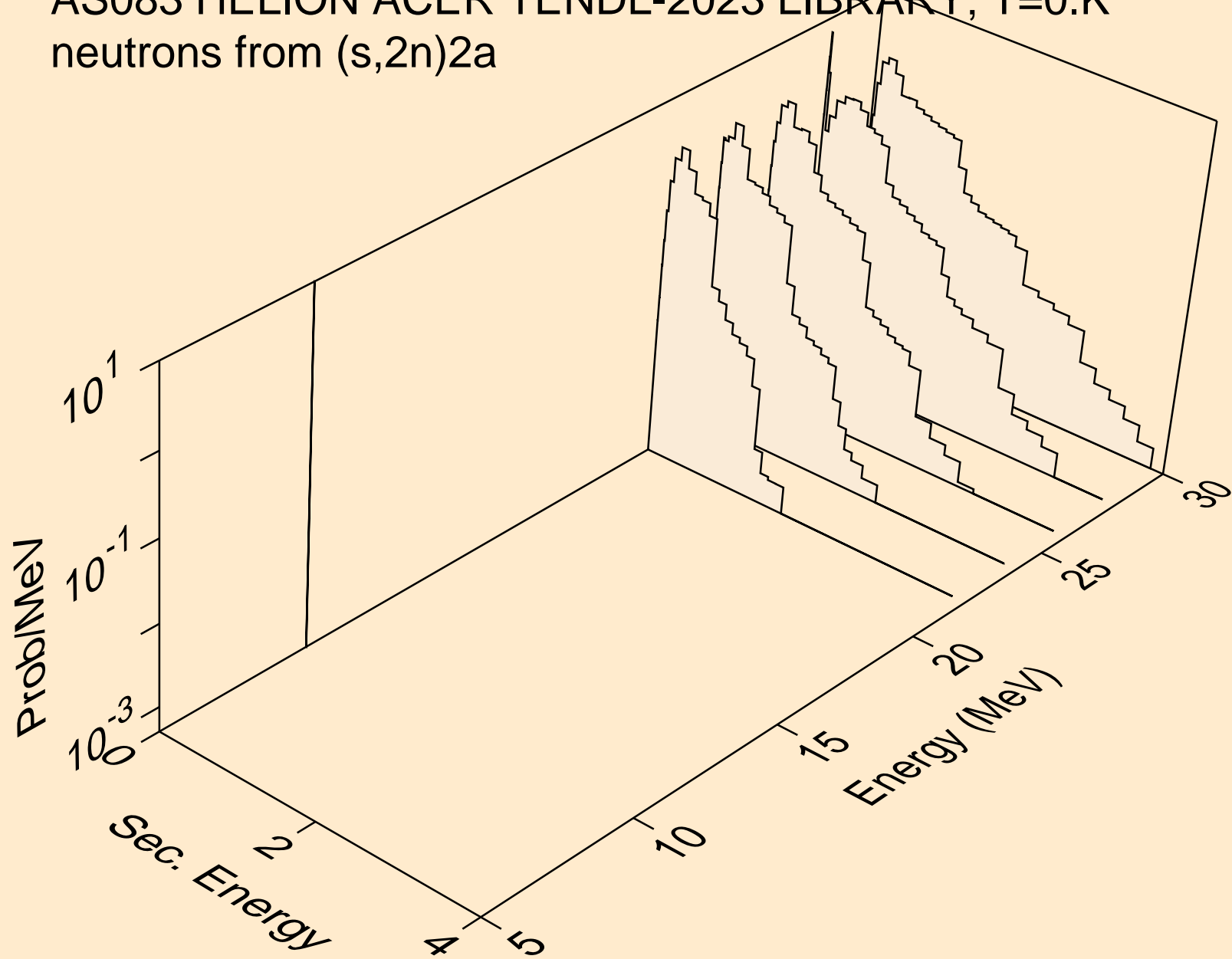
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neutrons from (s,n\*)p



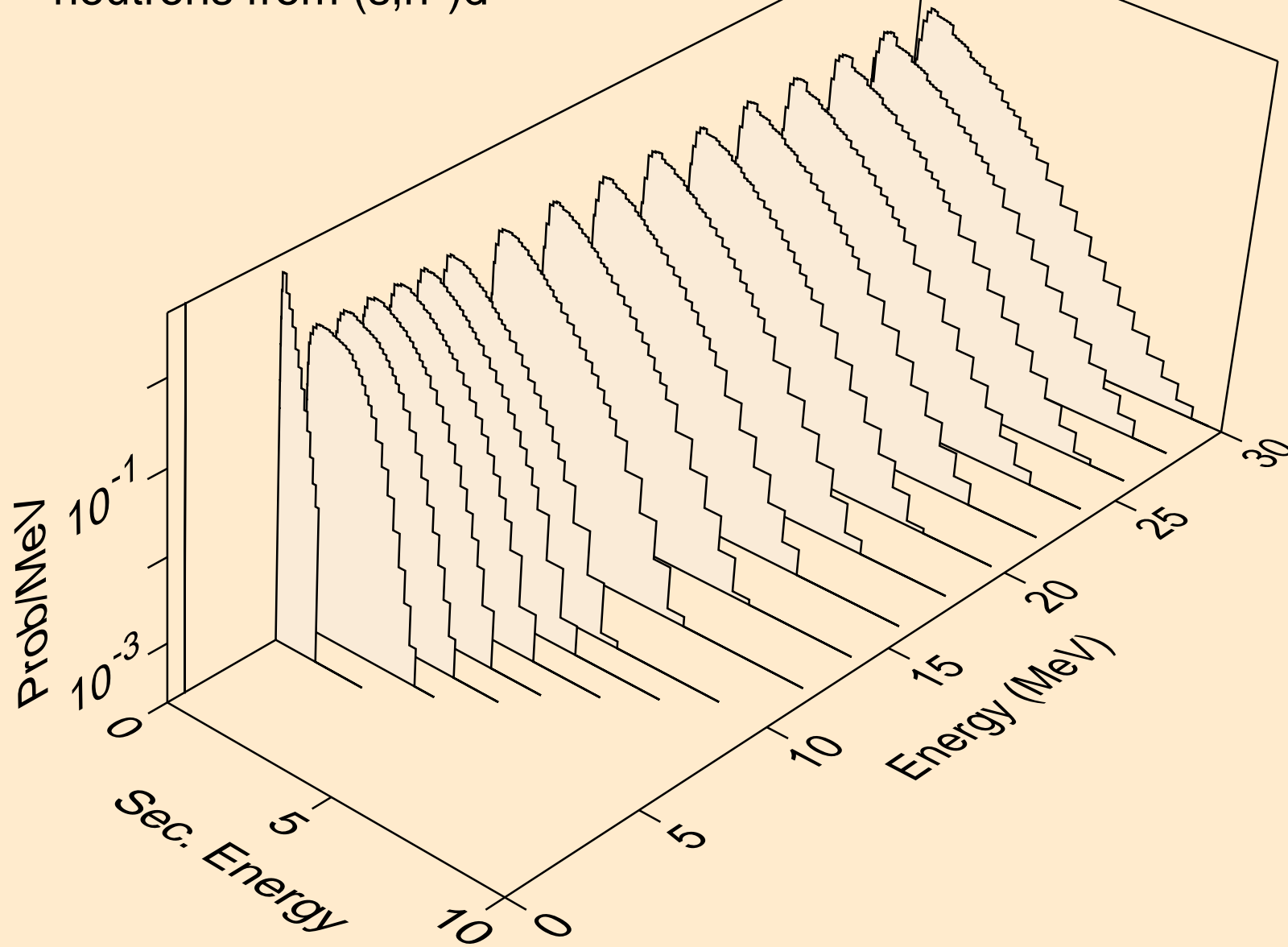
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neutrons from (s,n\*)2a



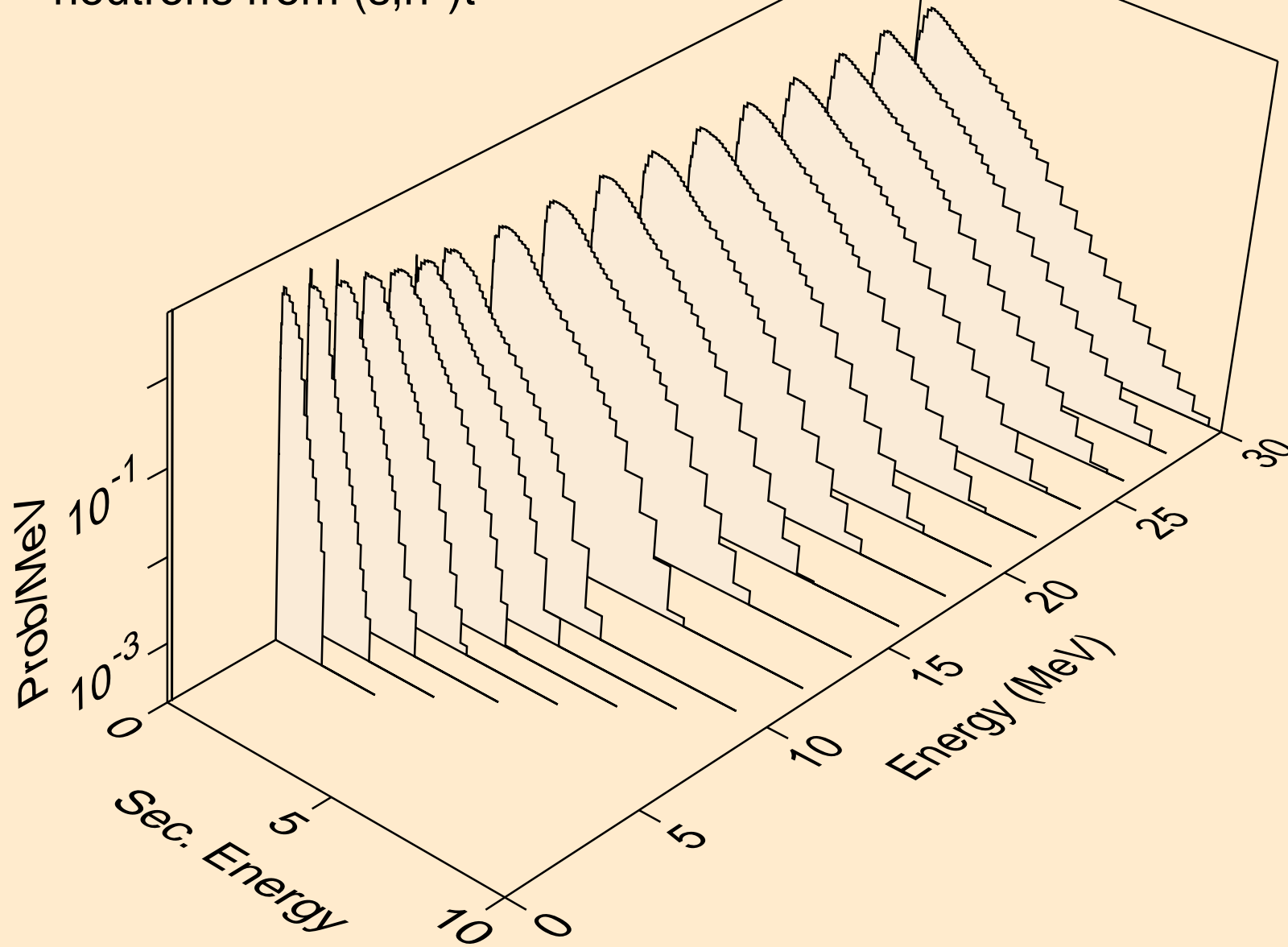
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neutrons from (s,2n)2a



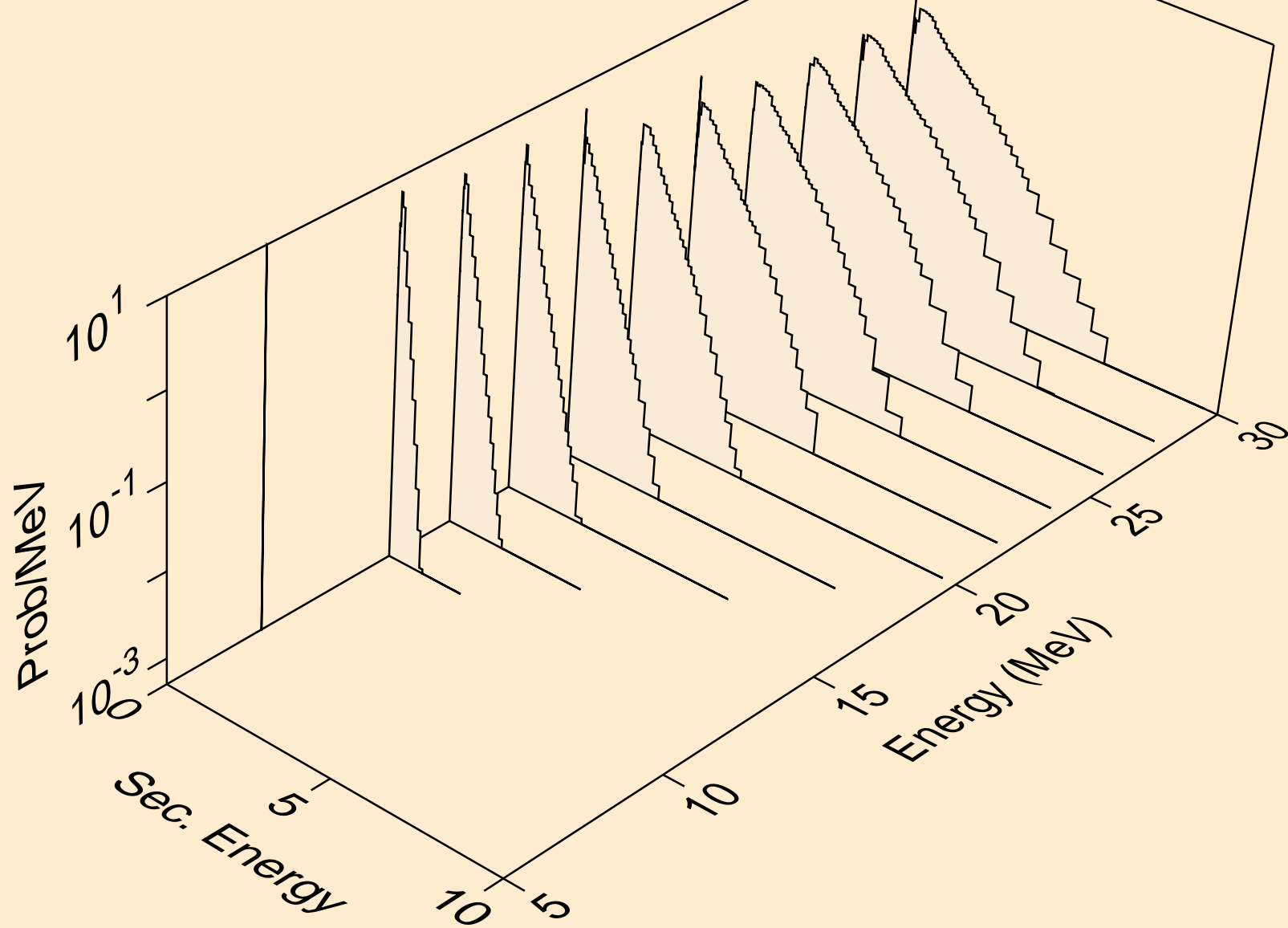
AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)d



AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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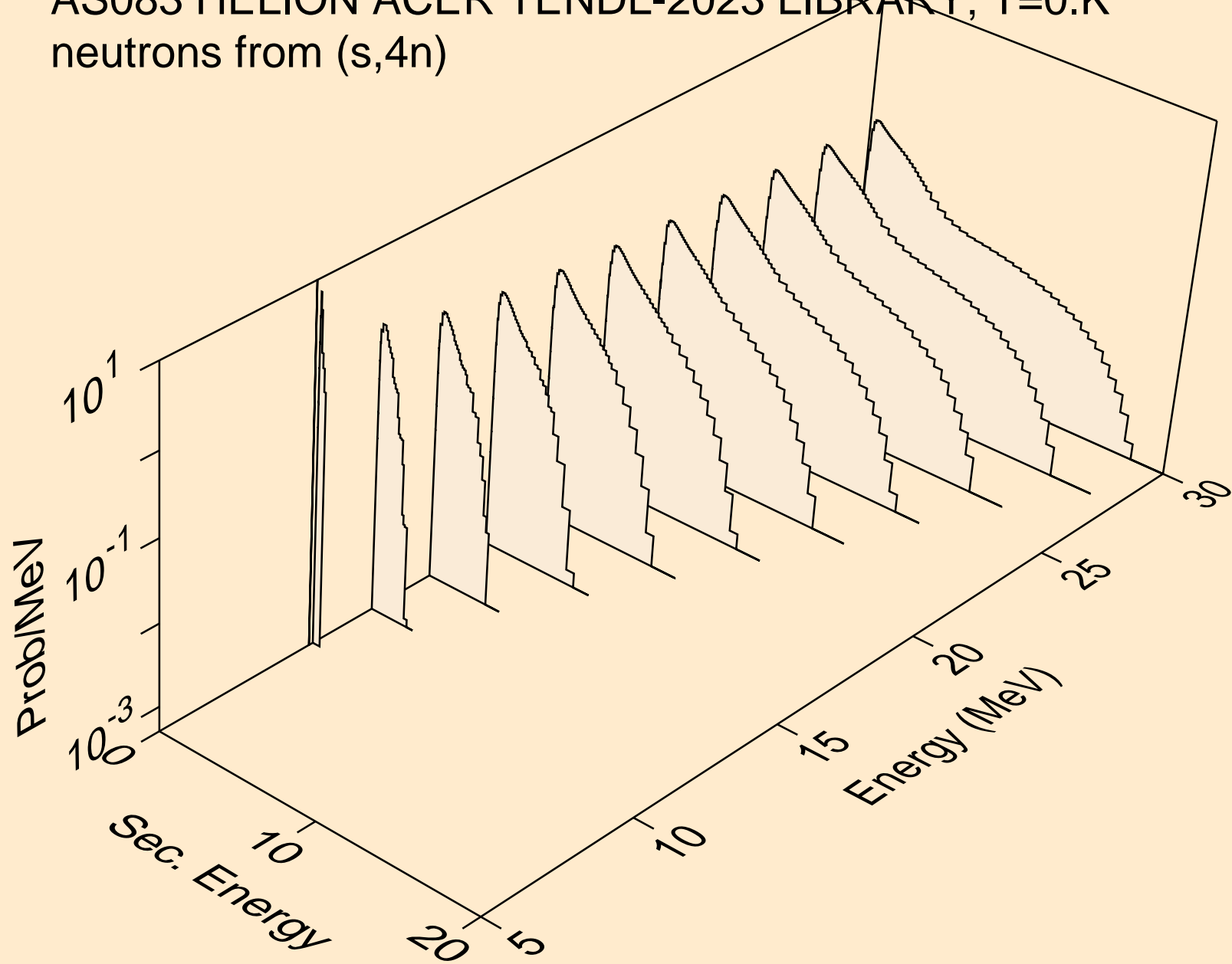


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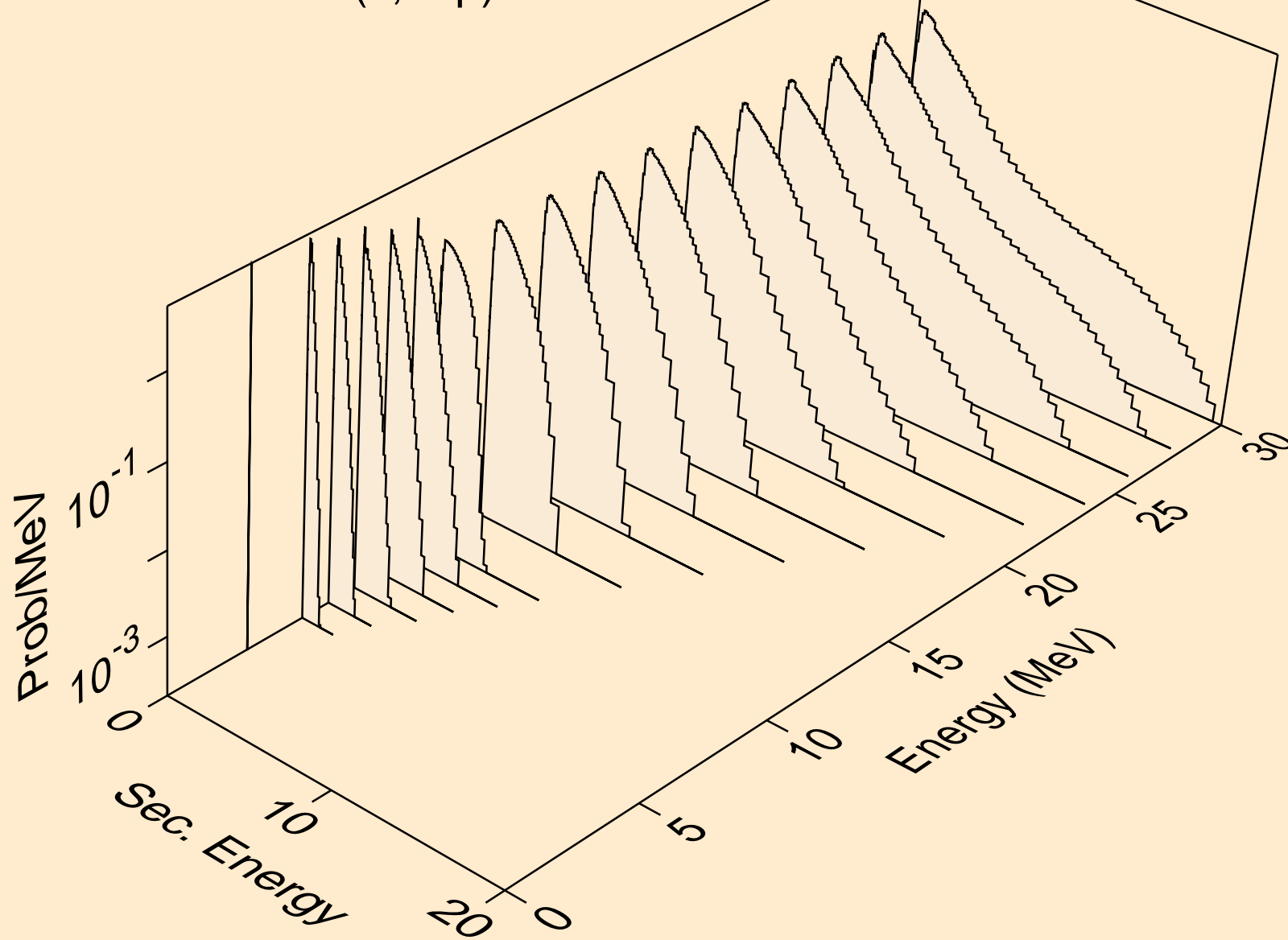




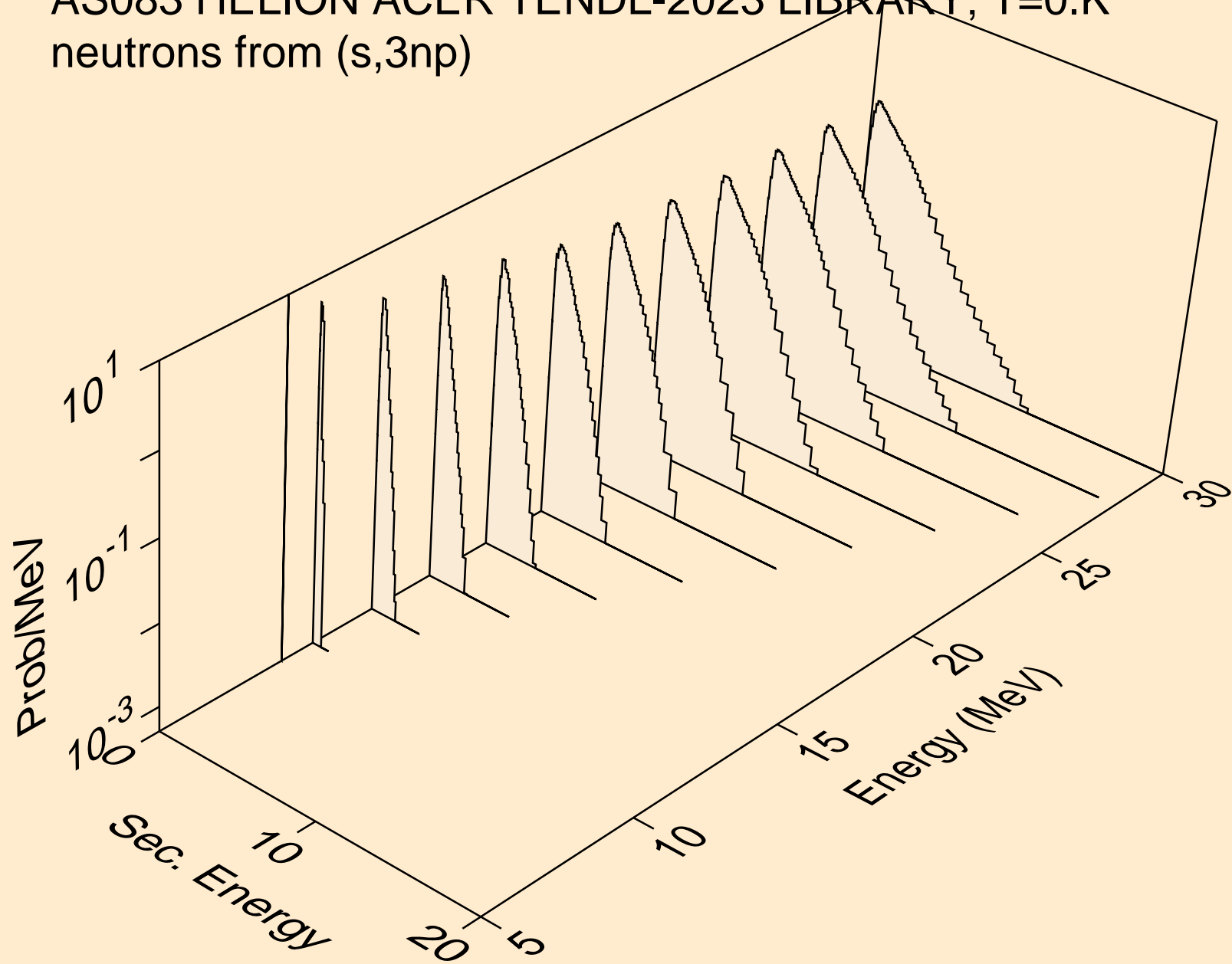
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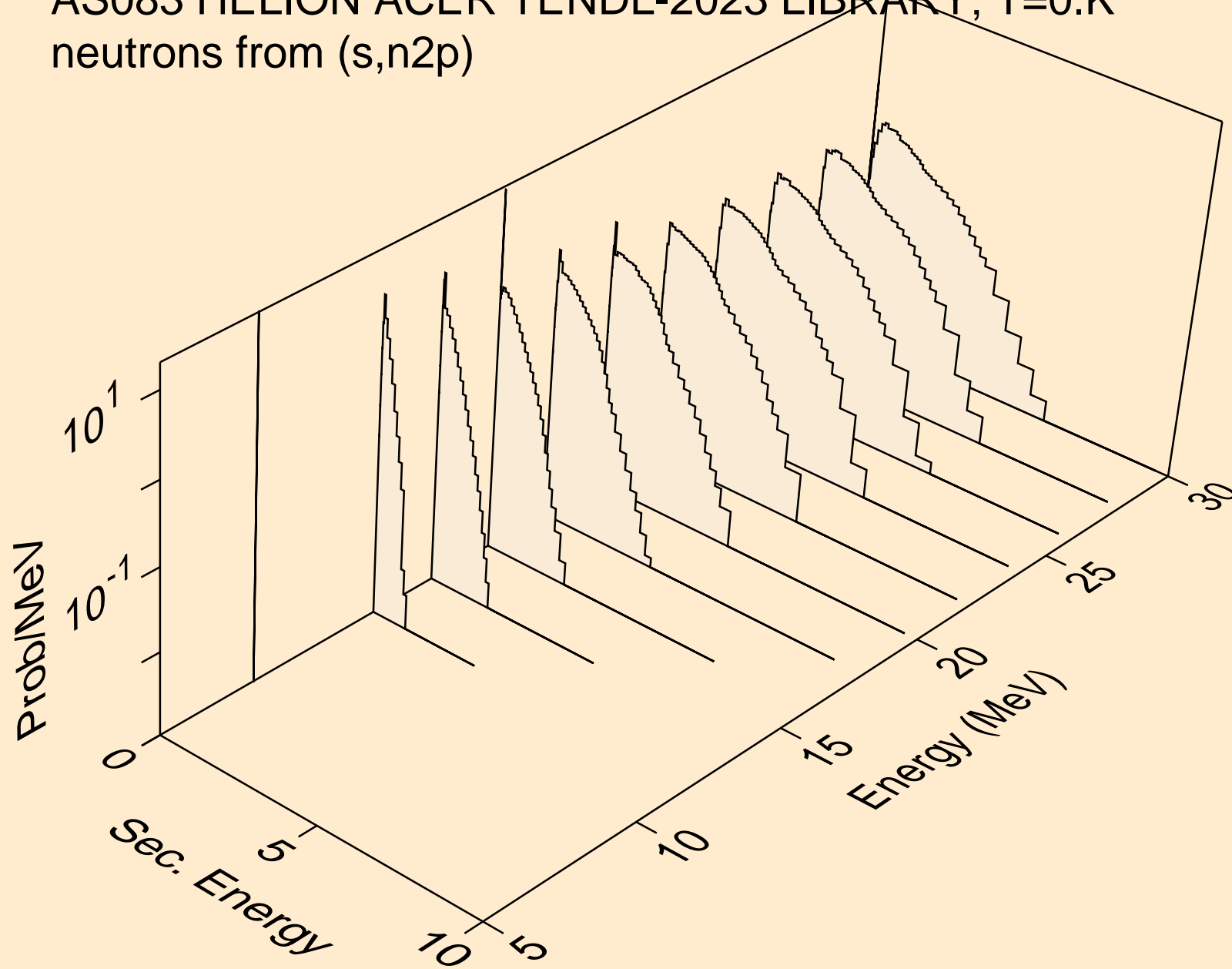
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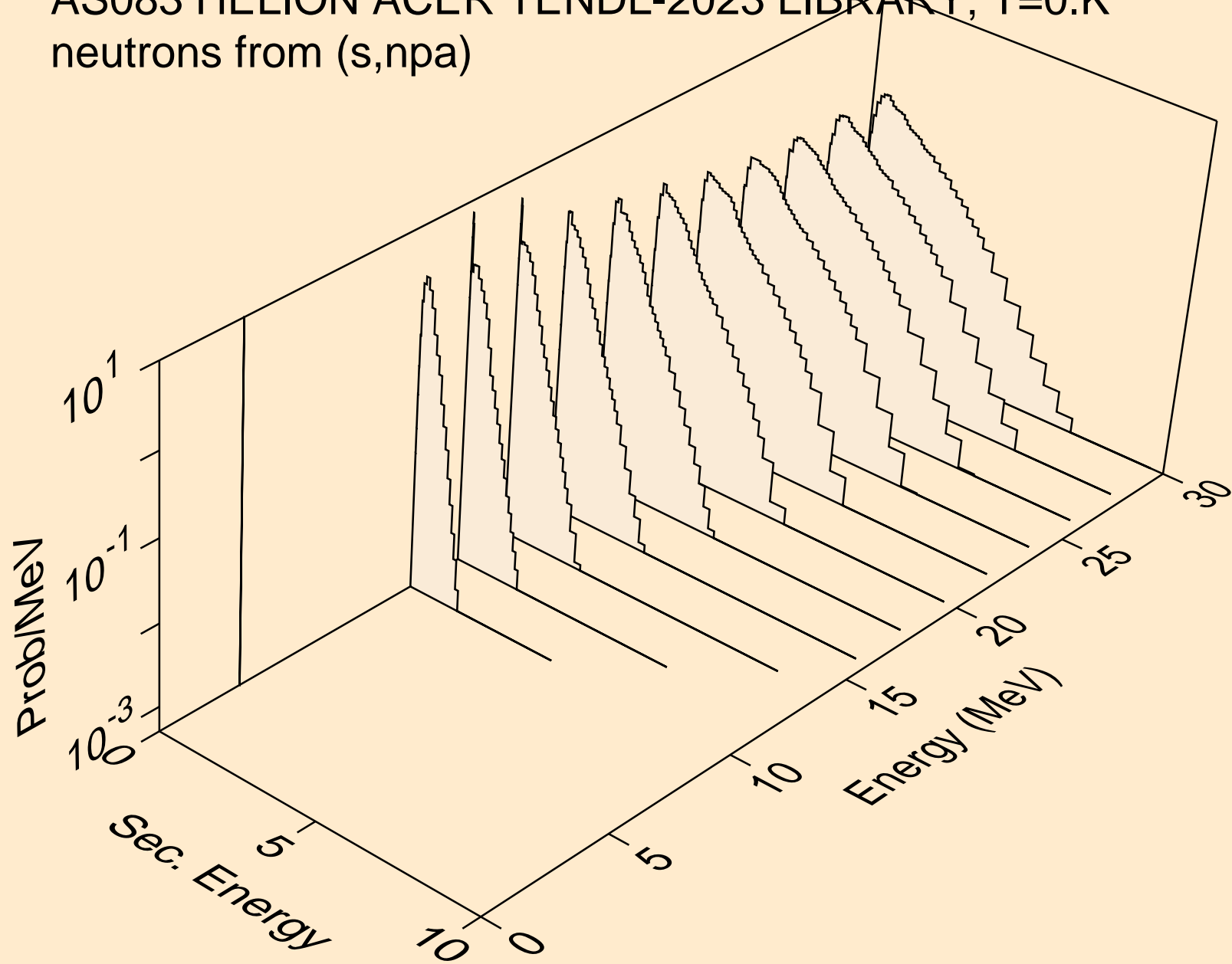
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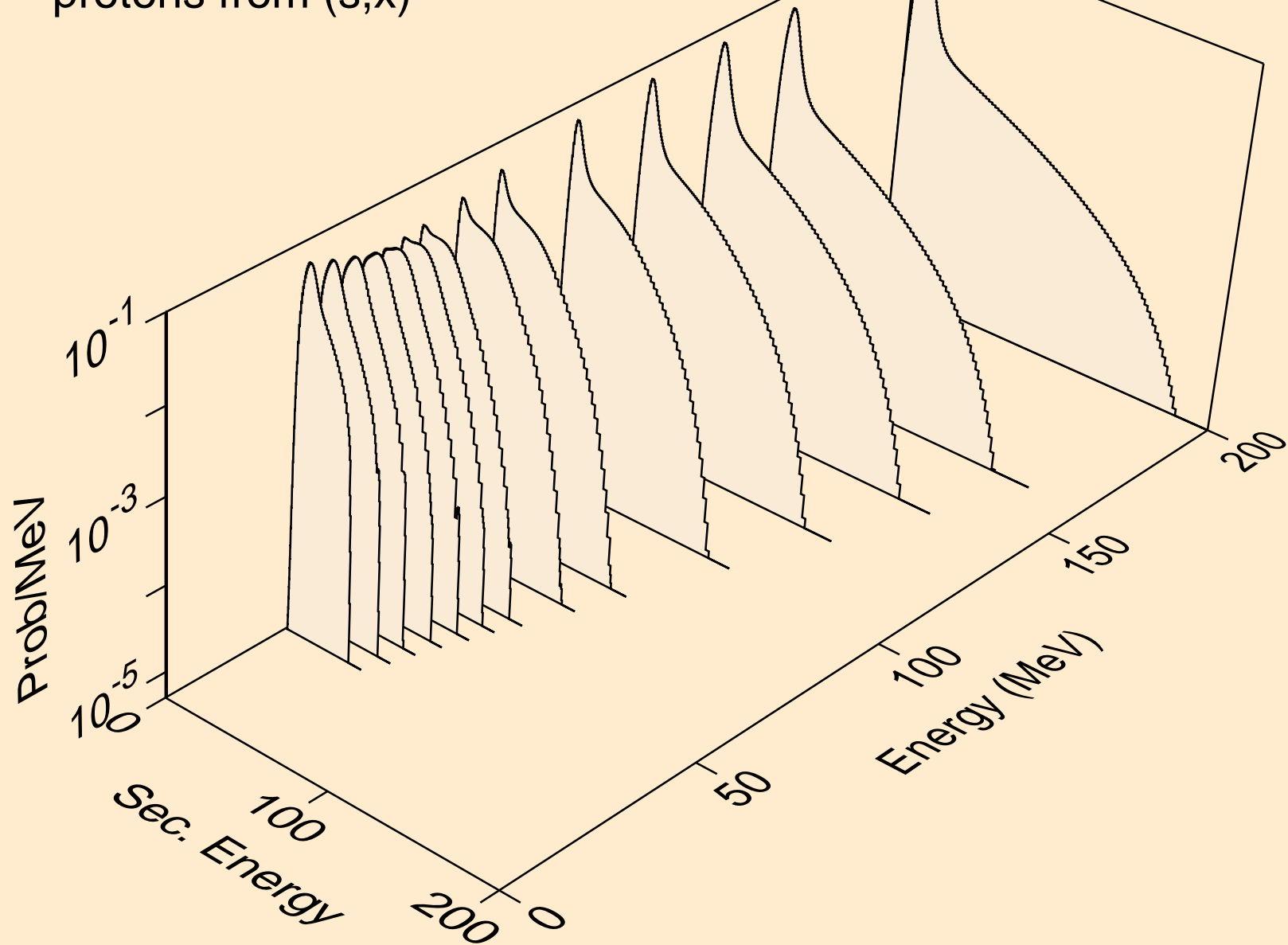
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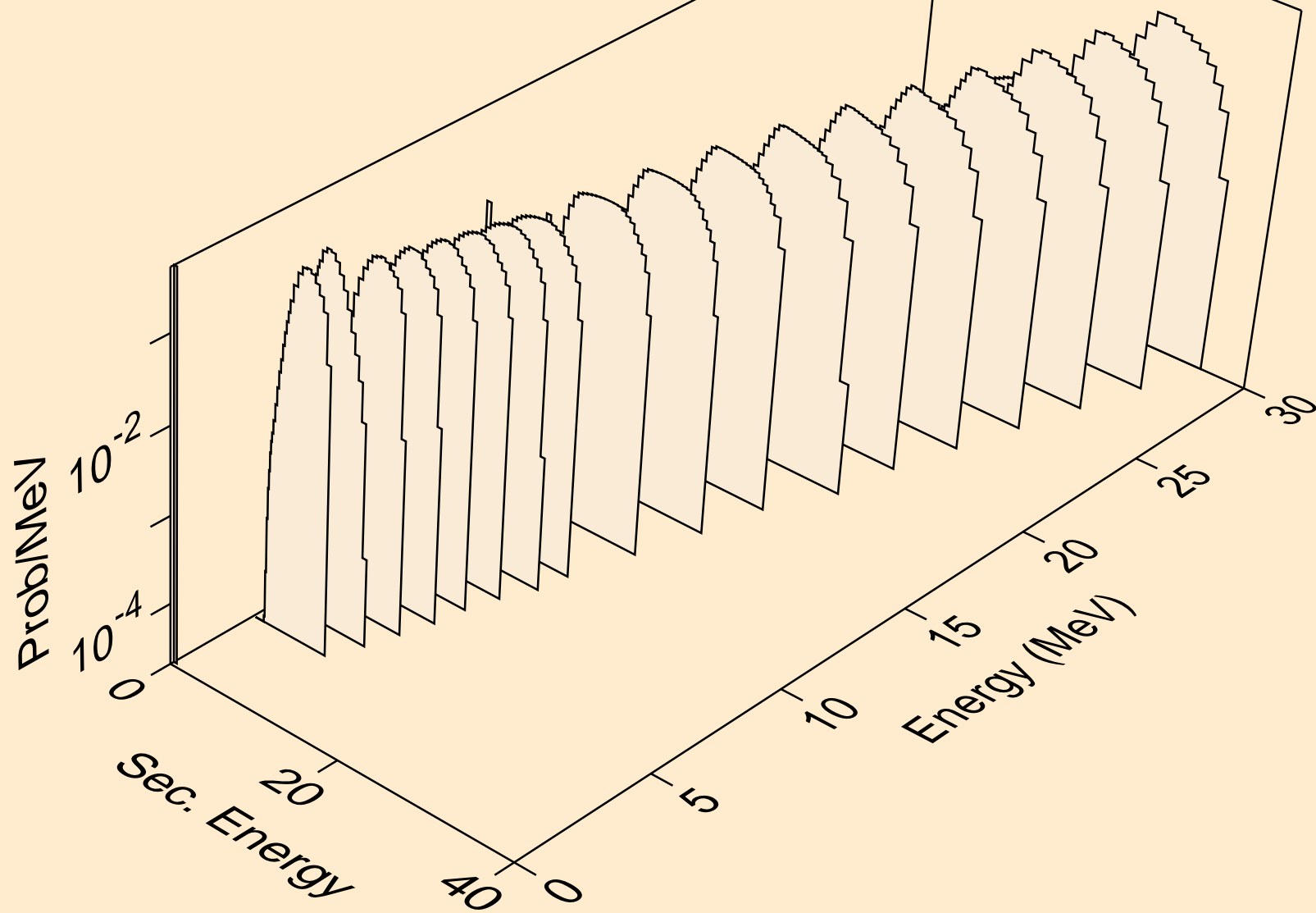
AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,npa)



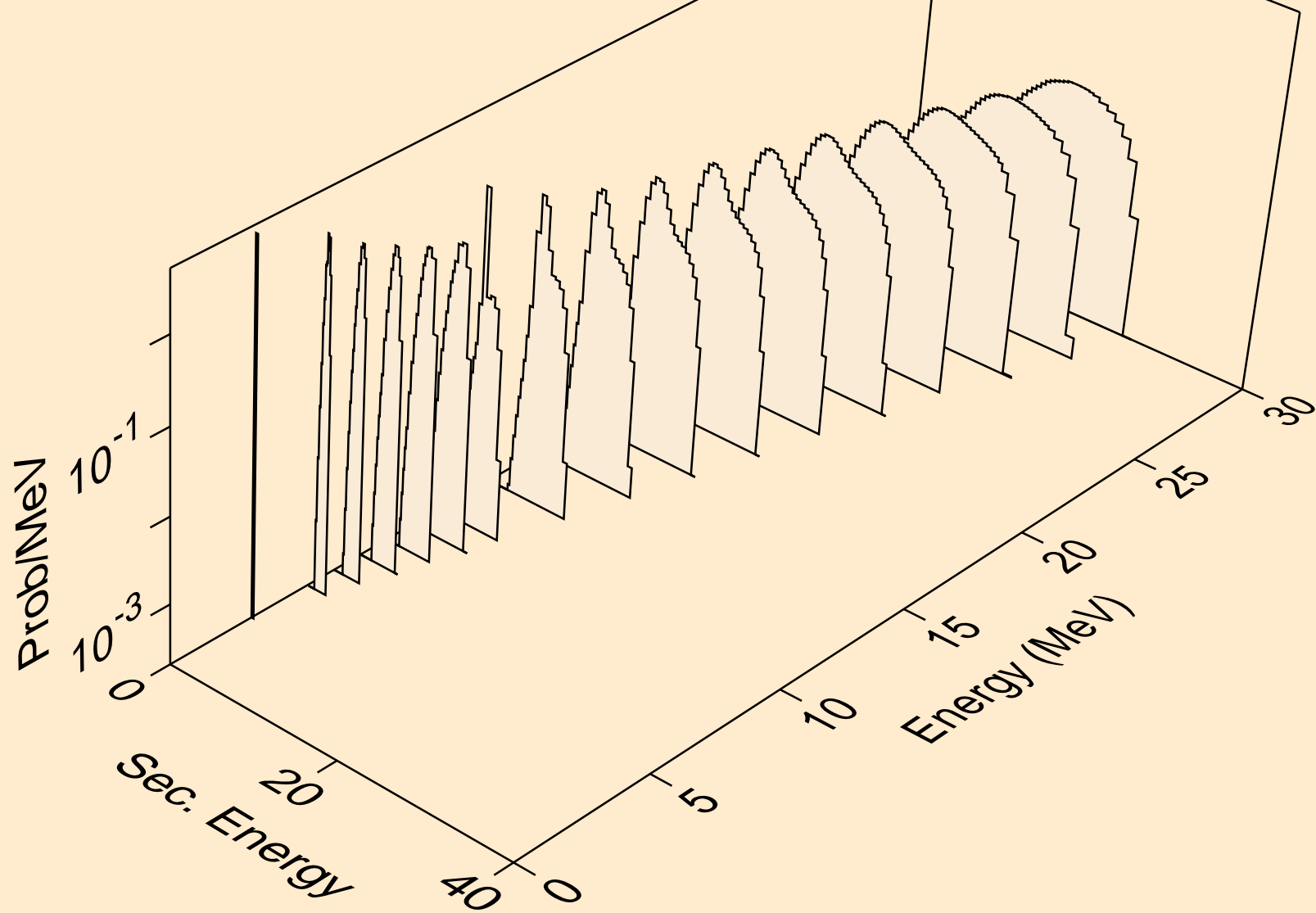
AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,x)



AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n\*)p

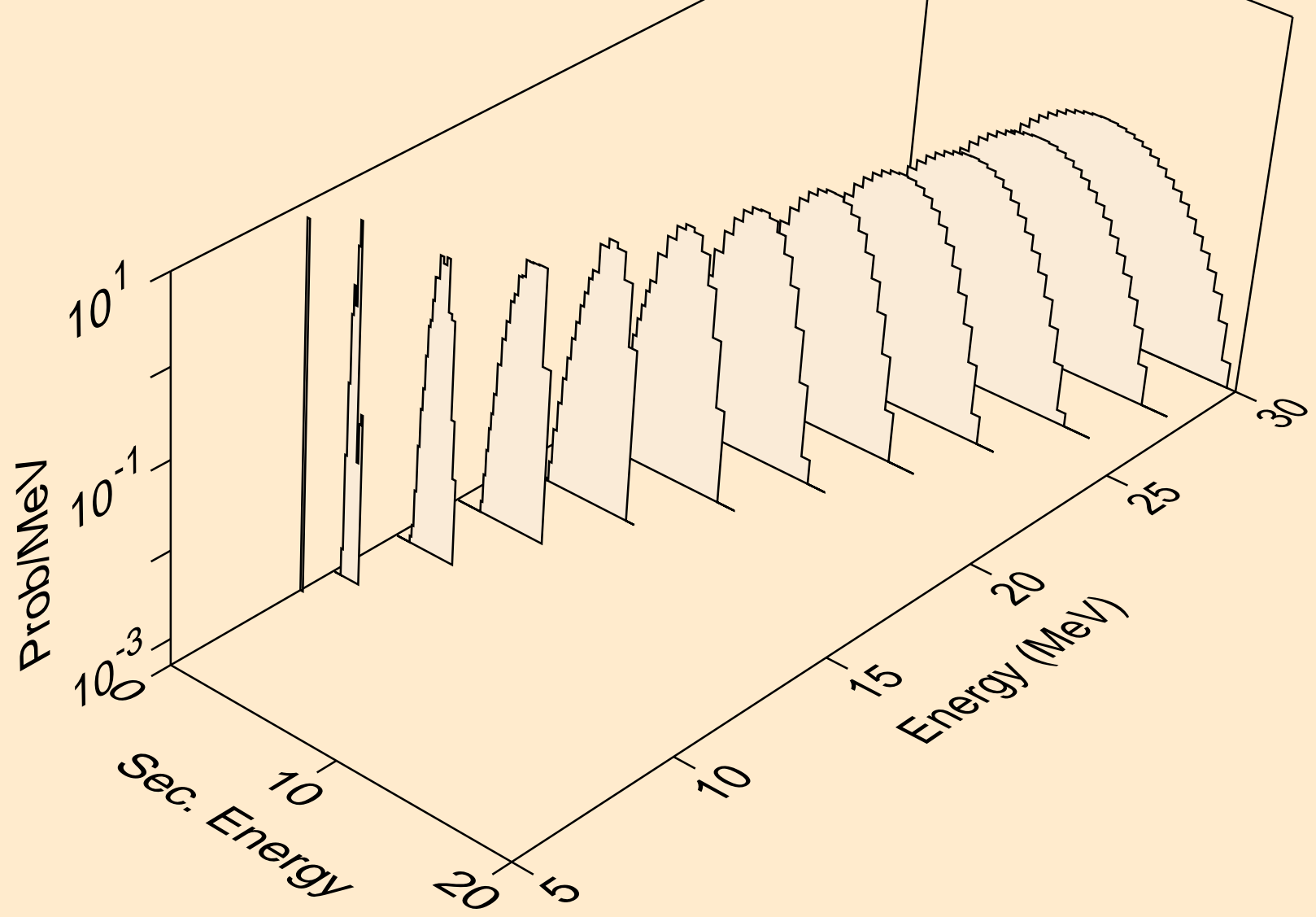


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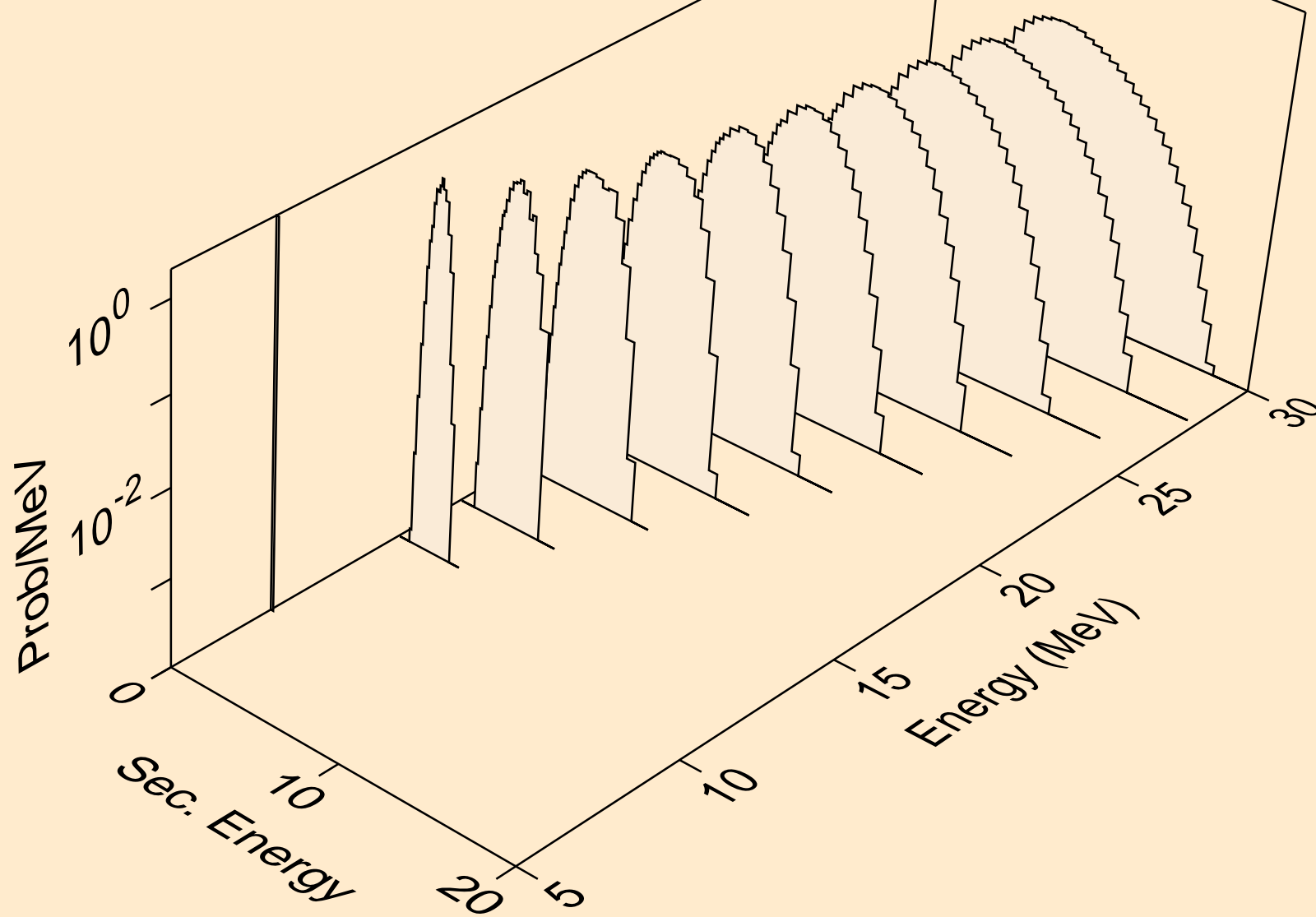




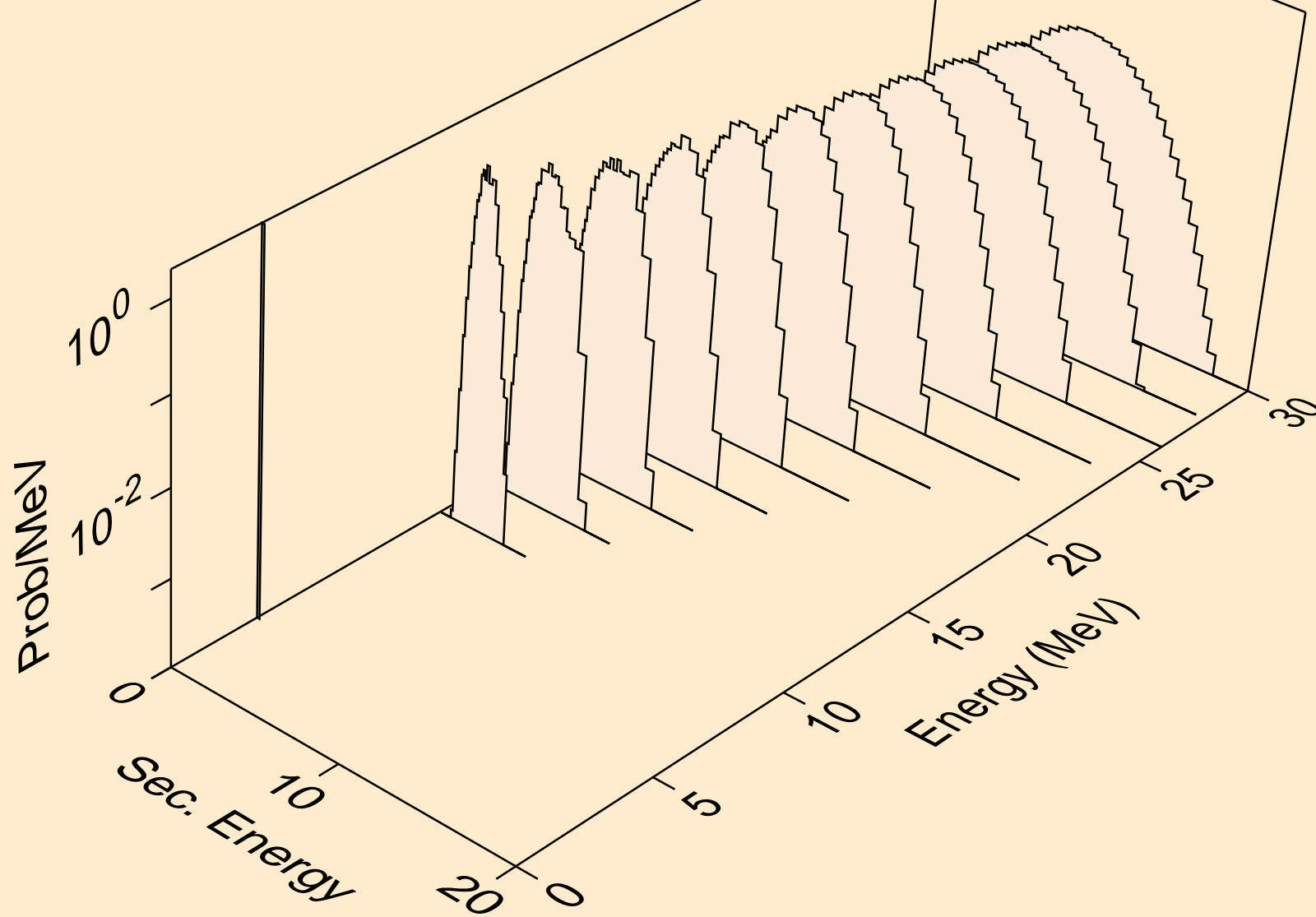
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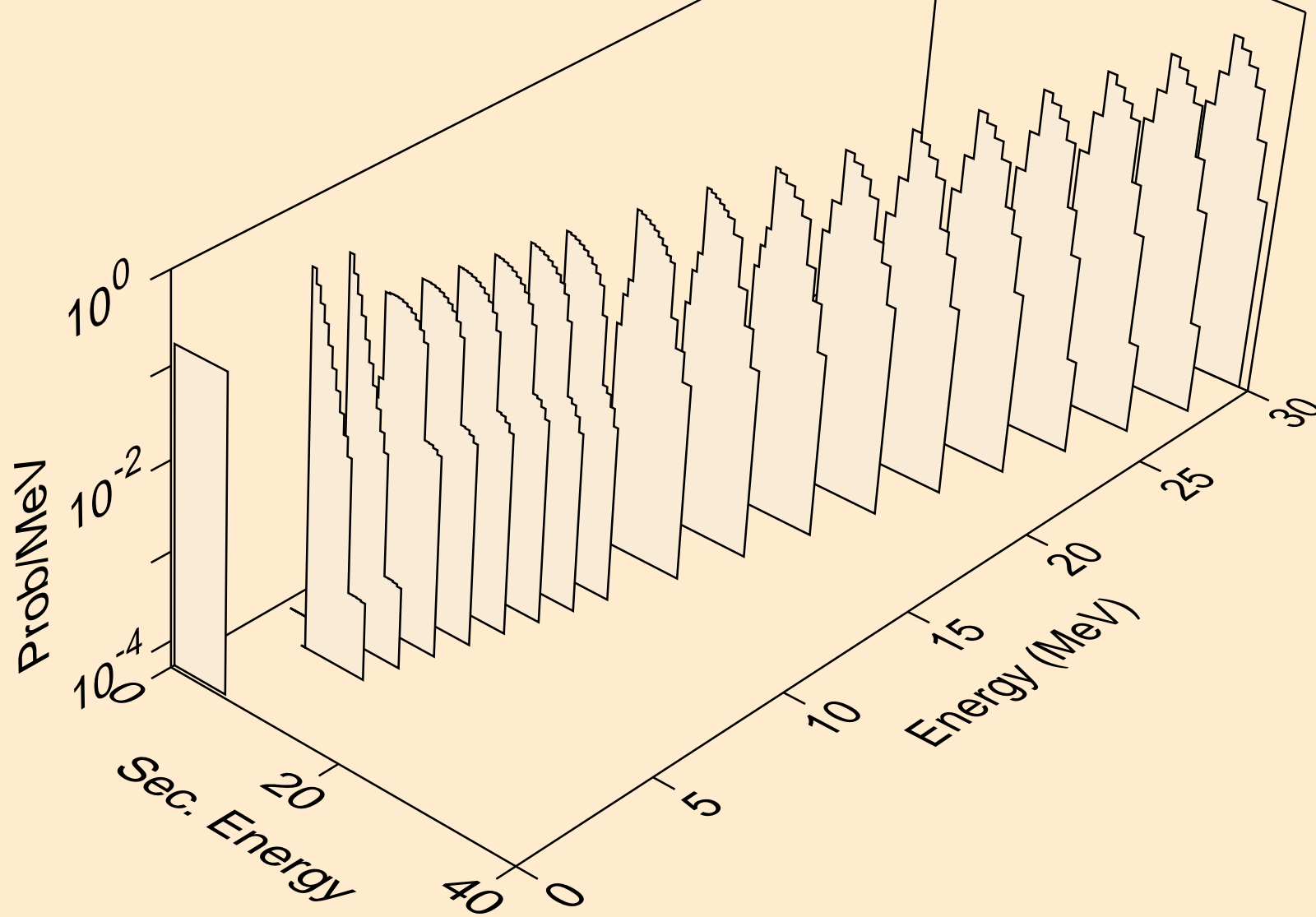
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protons from (s,n2p)



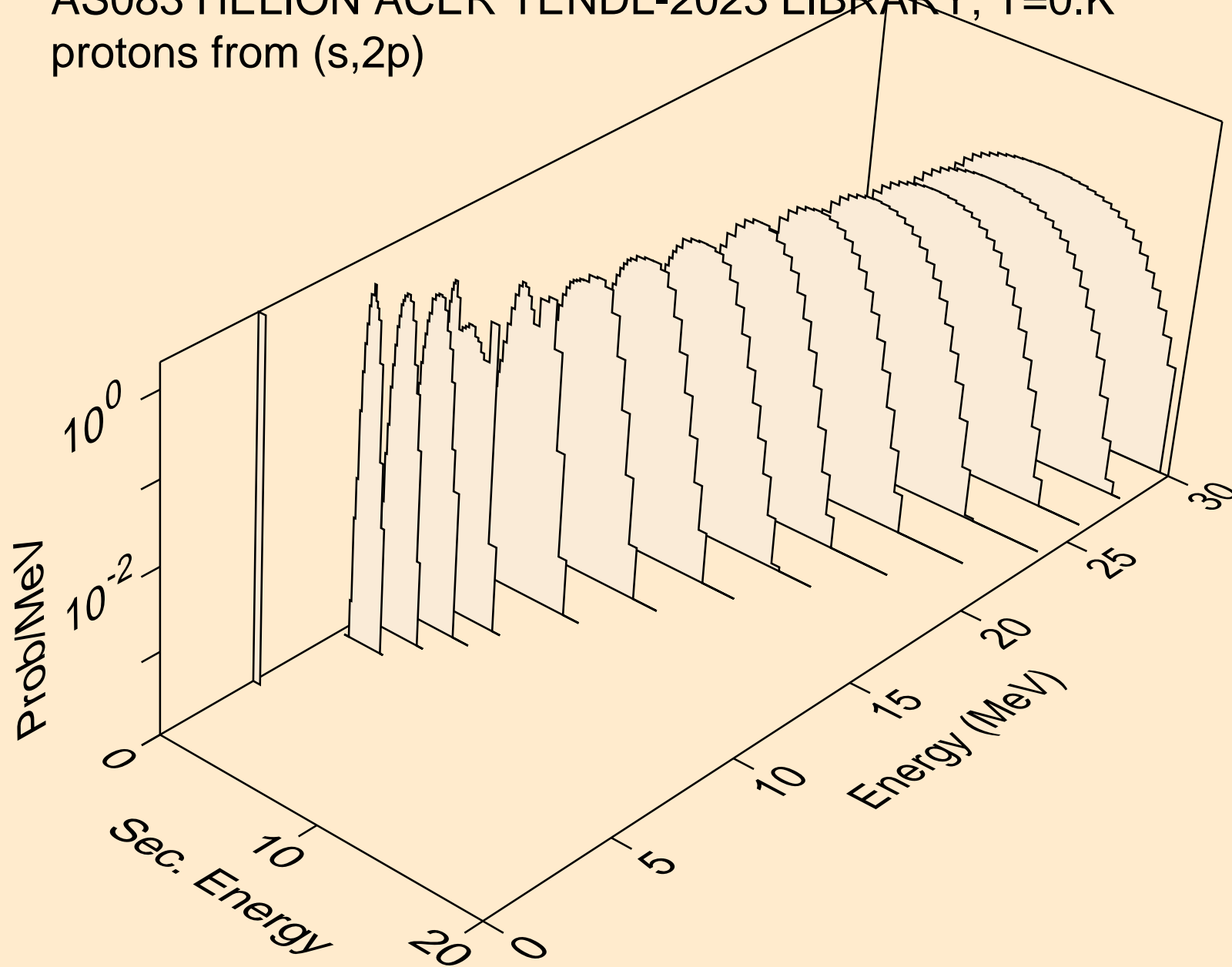
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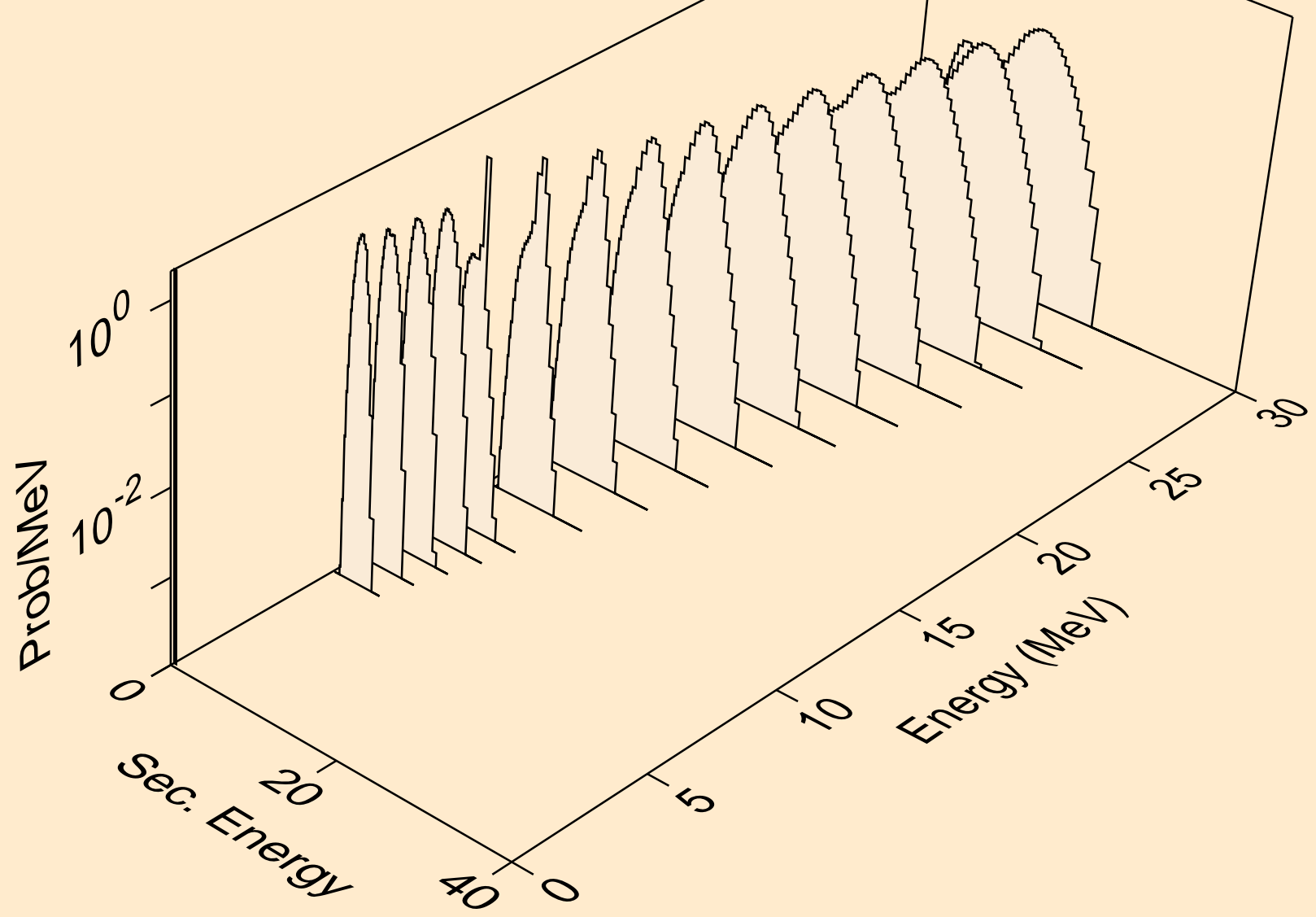
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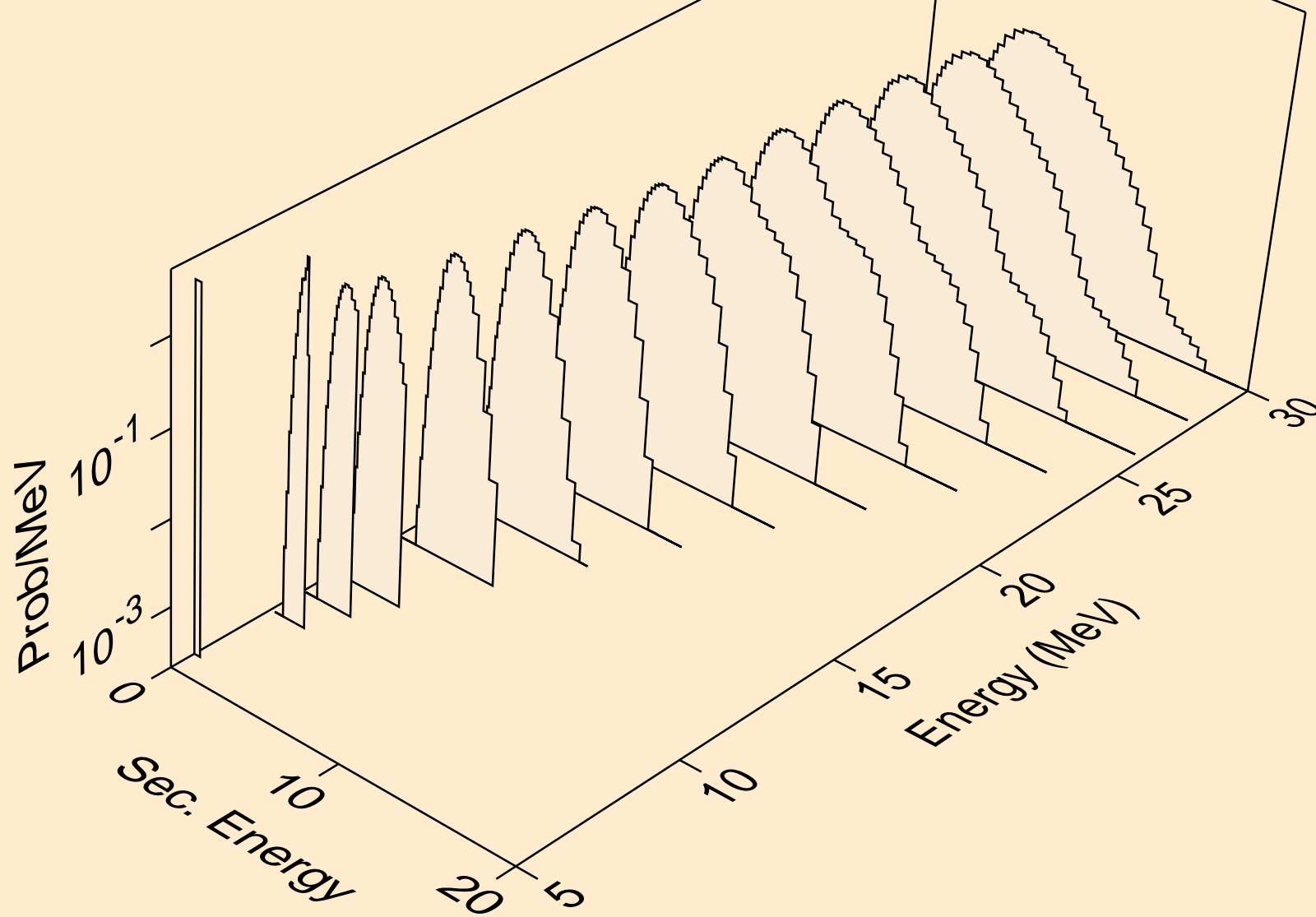
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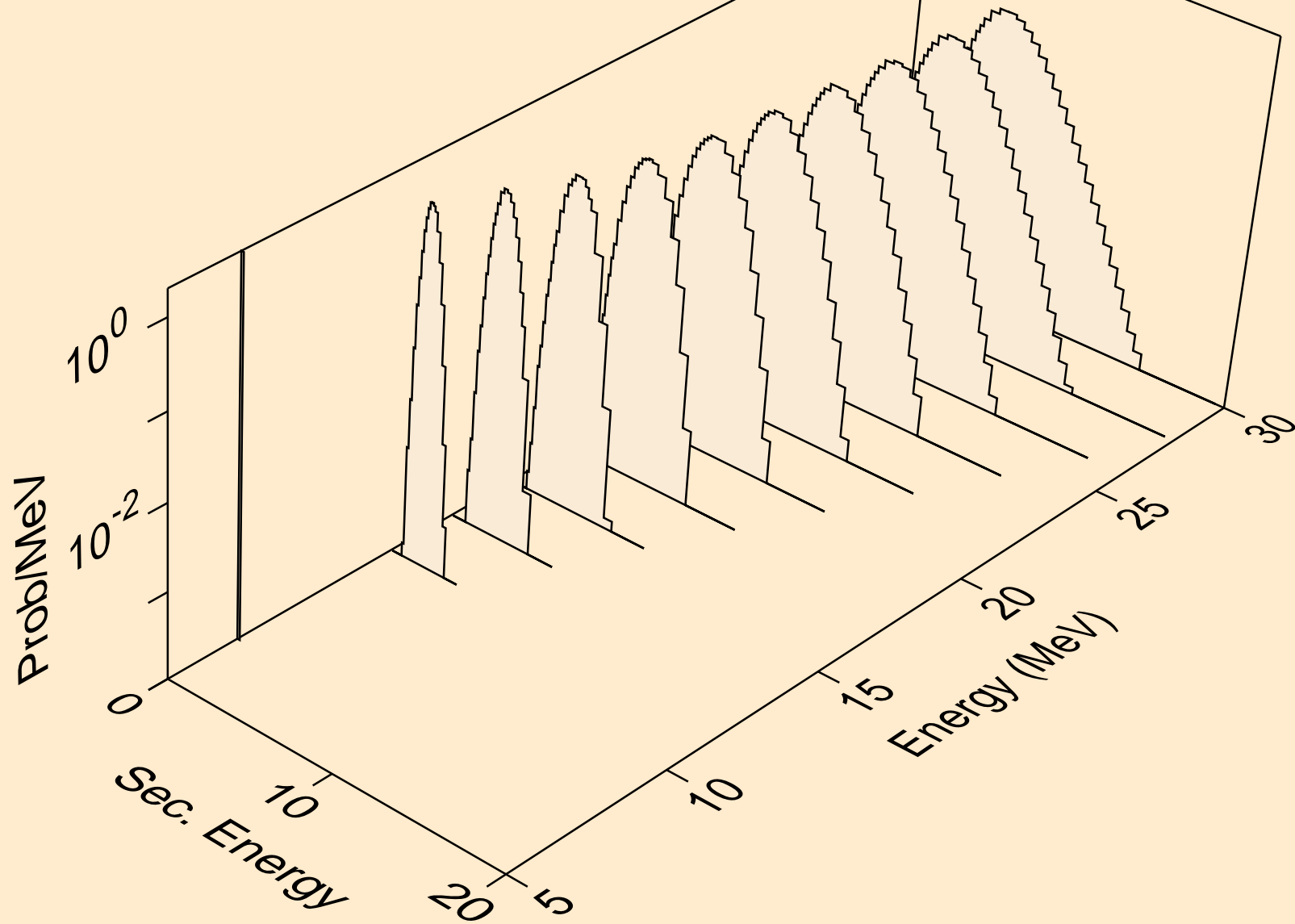
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AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pd)

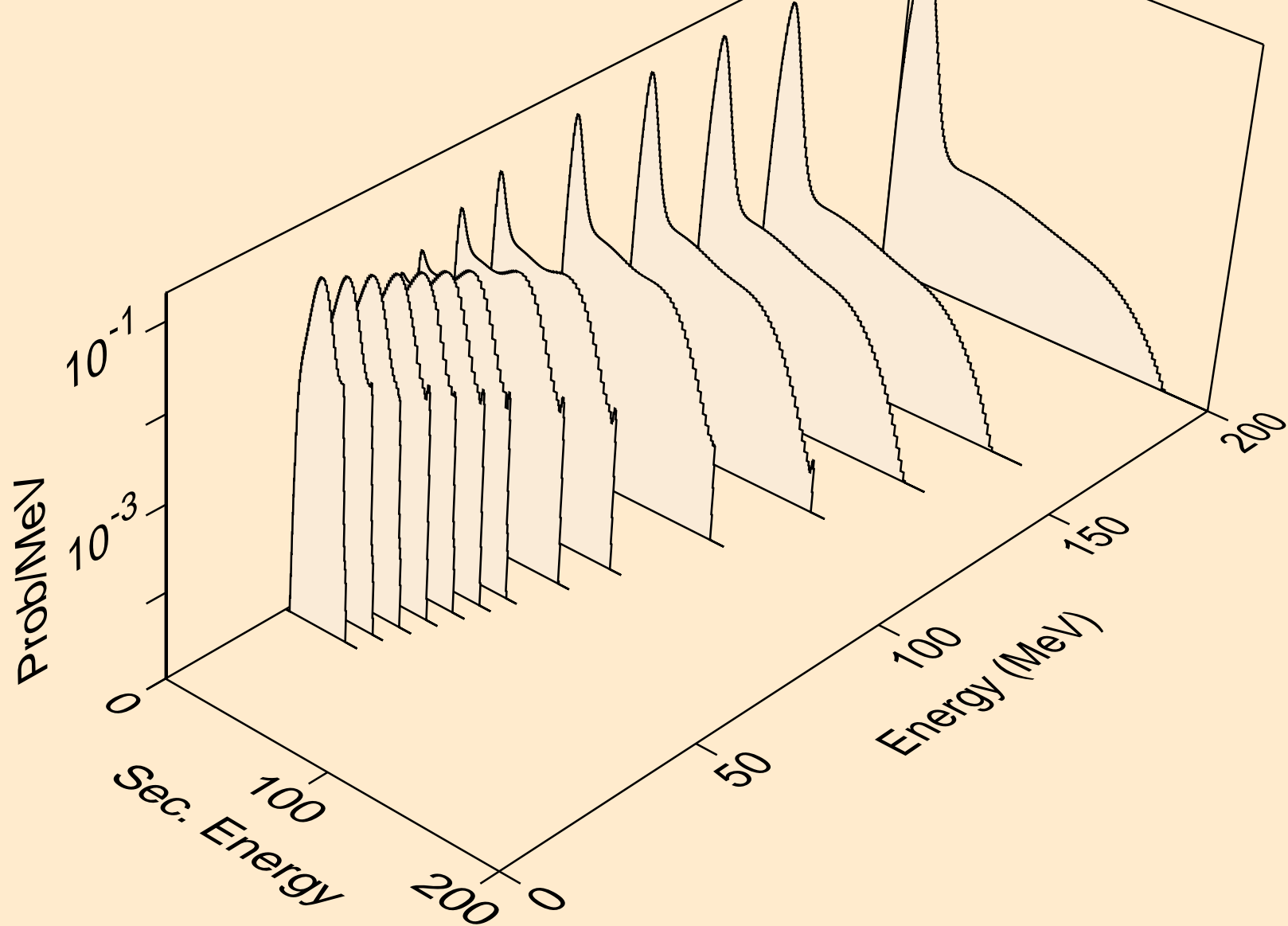


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protons from (s,pt)

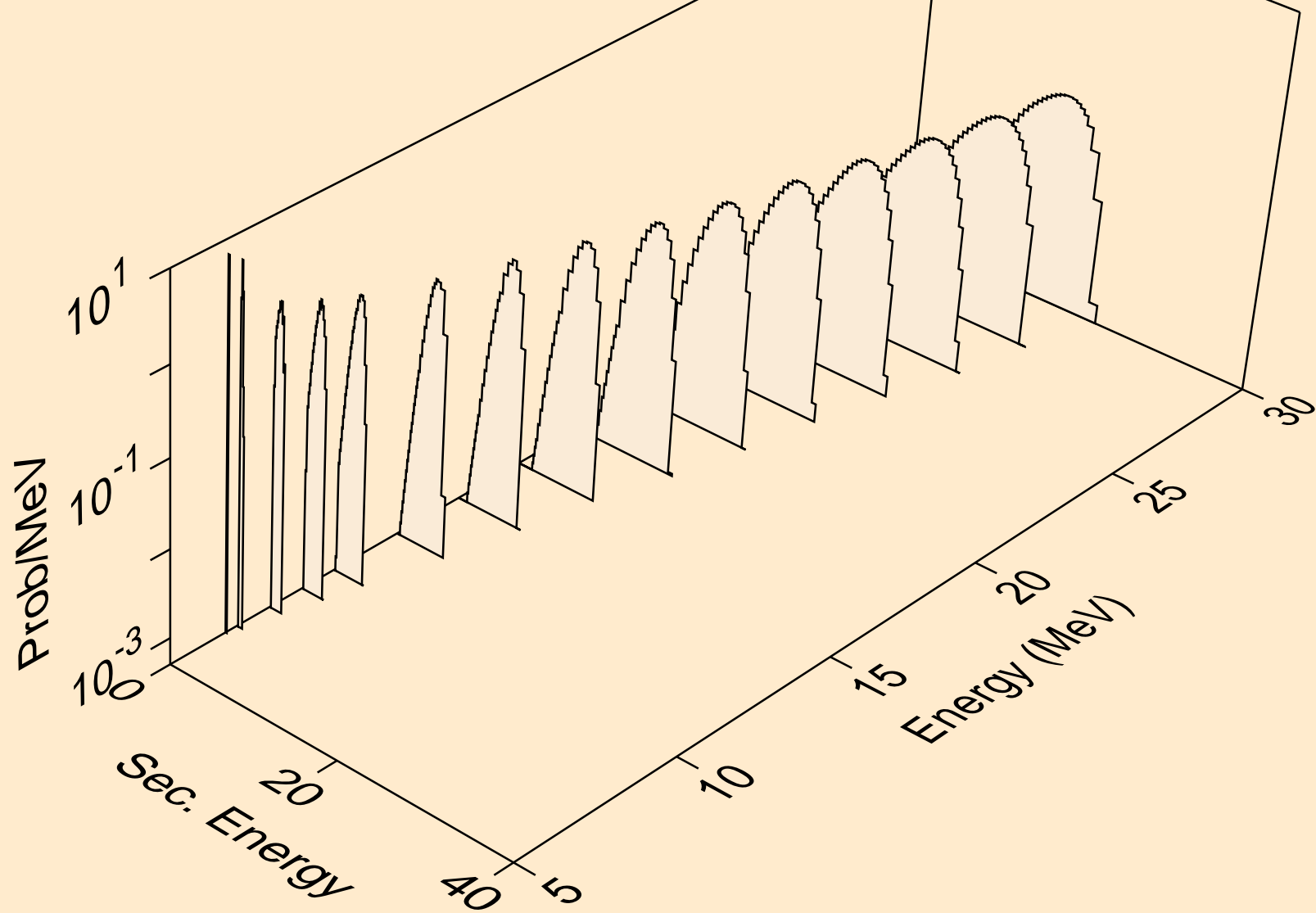




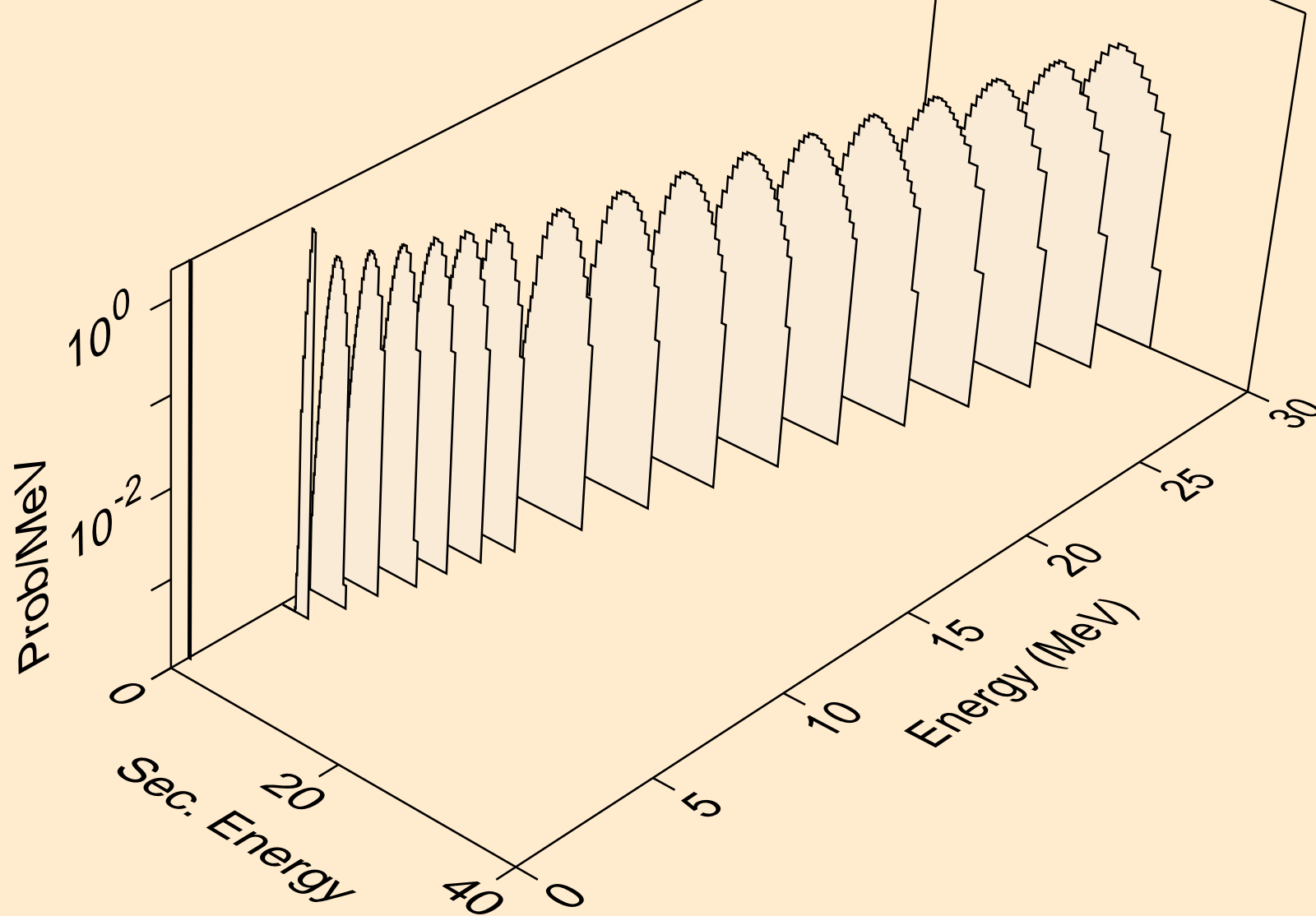
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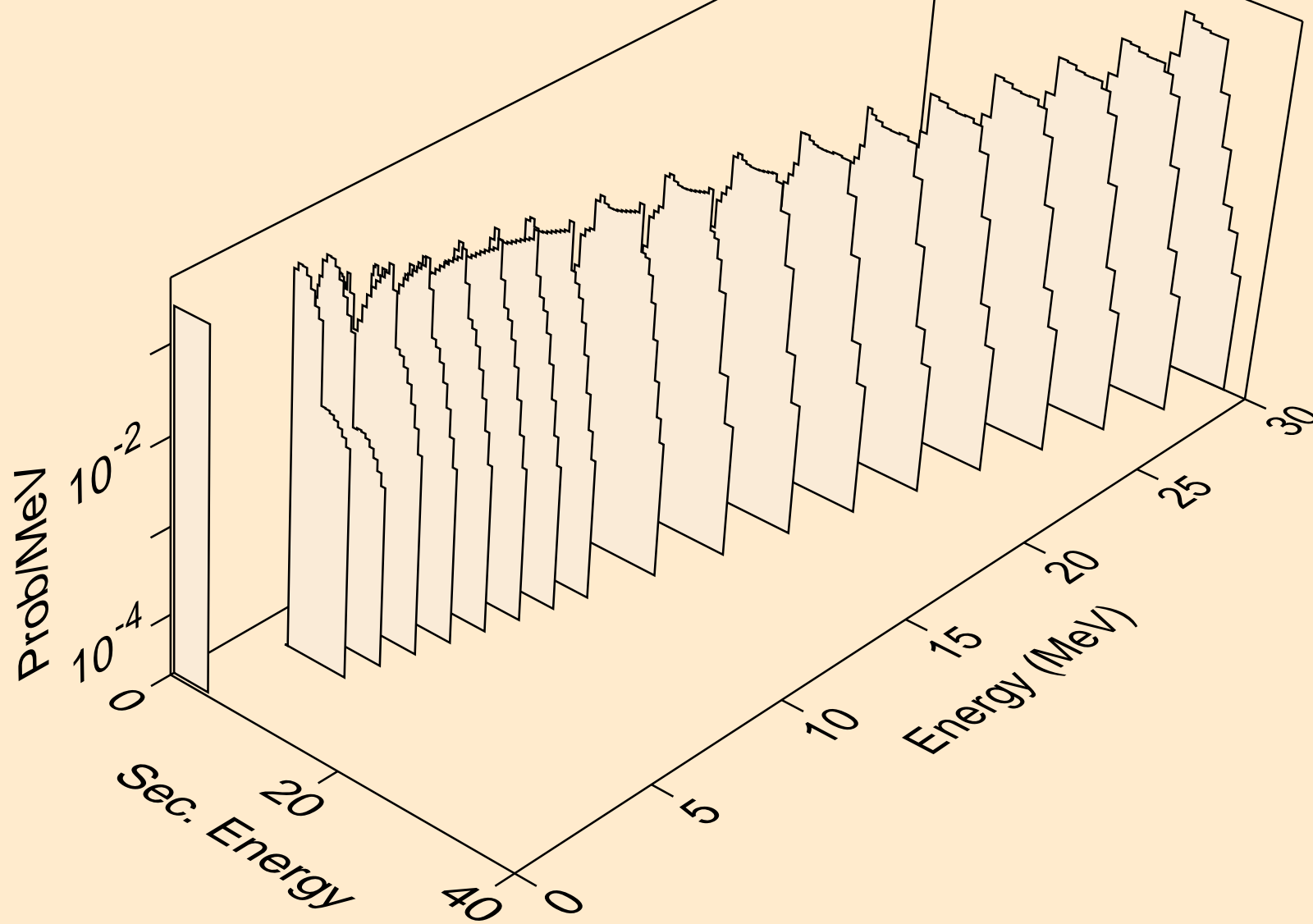
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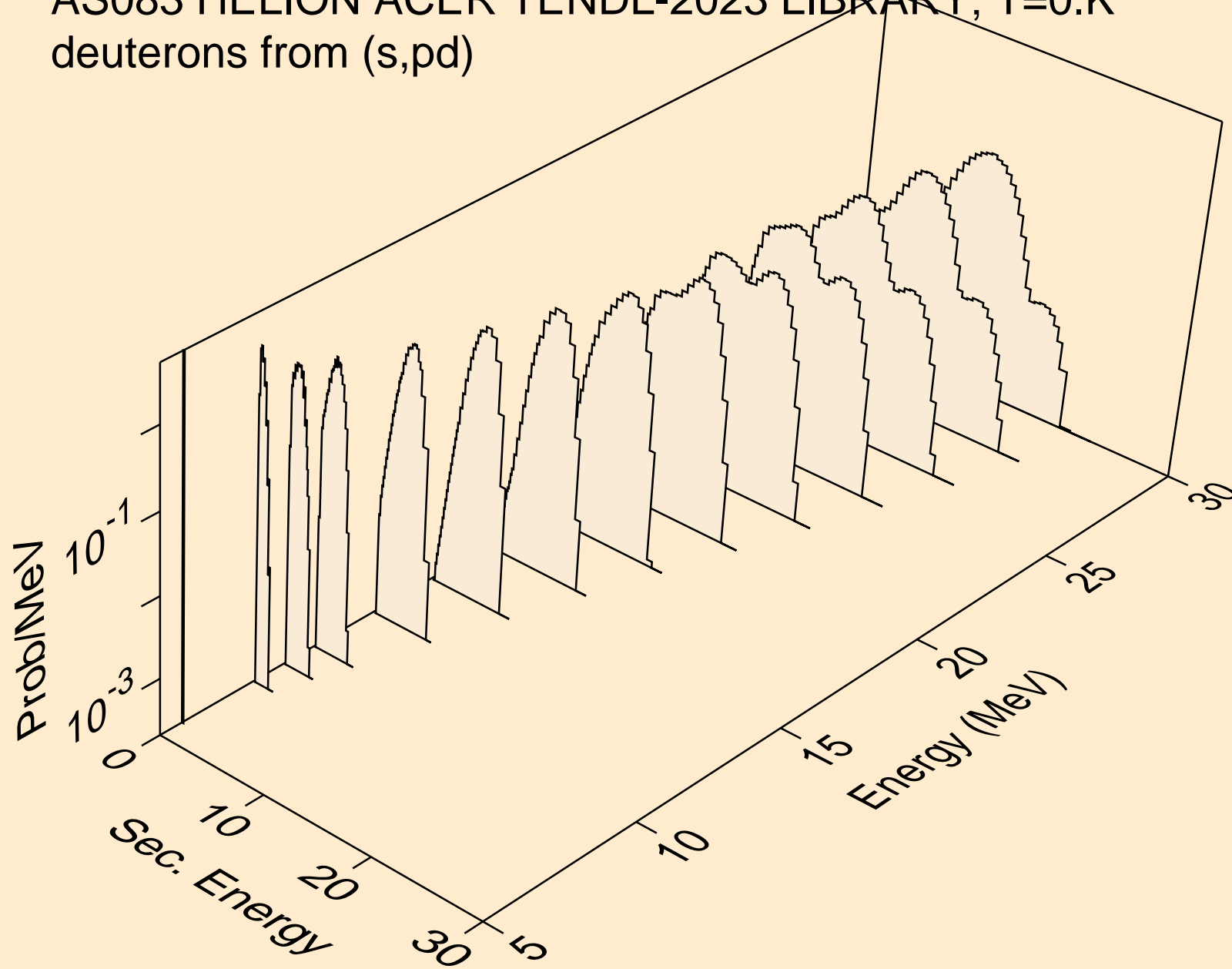
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deuterons from (s,n\*)d



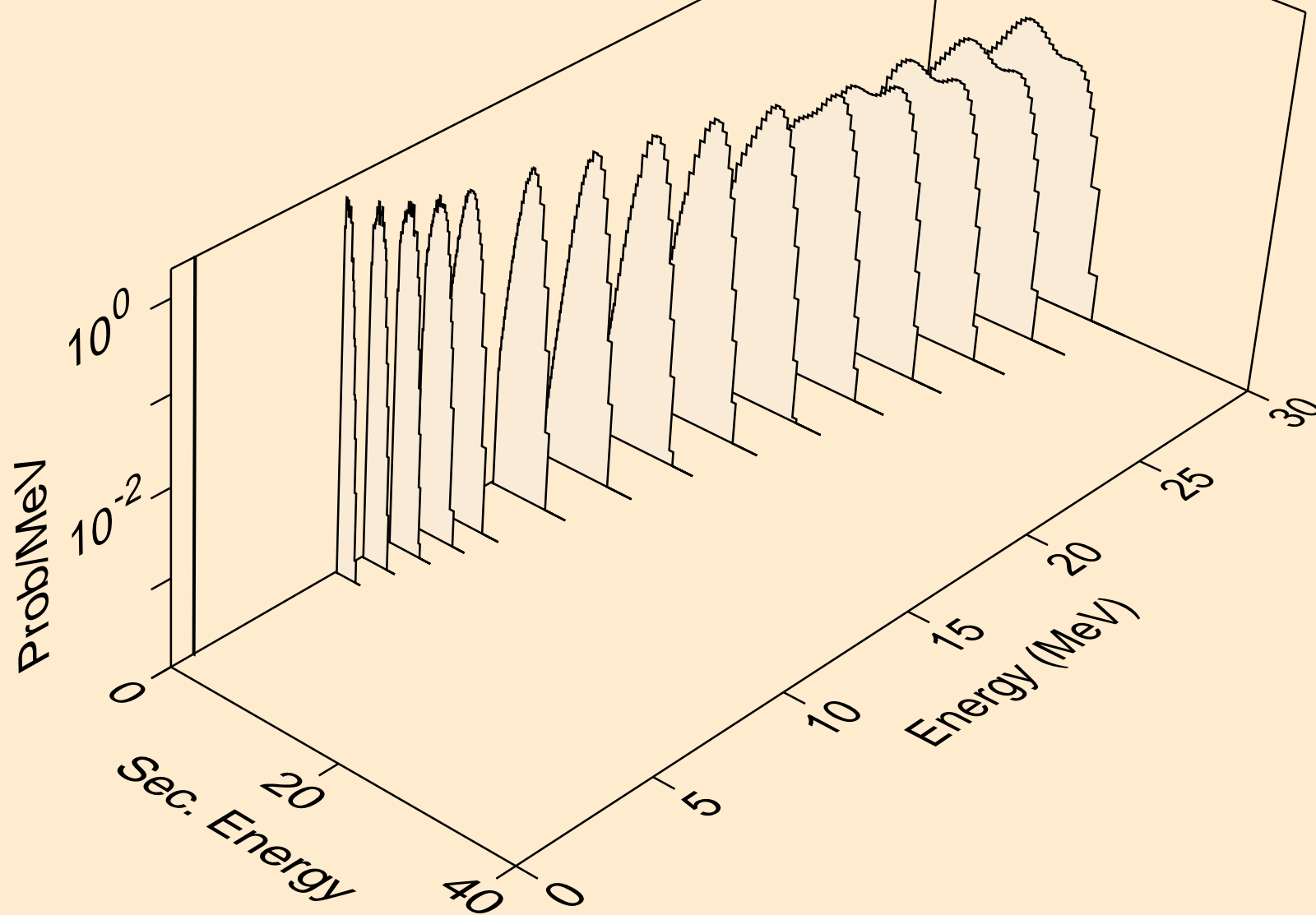
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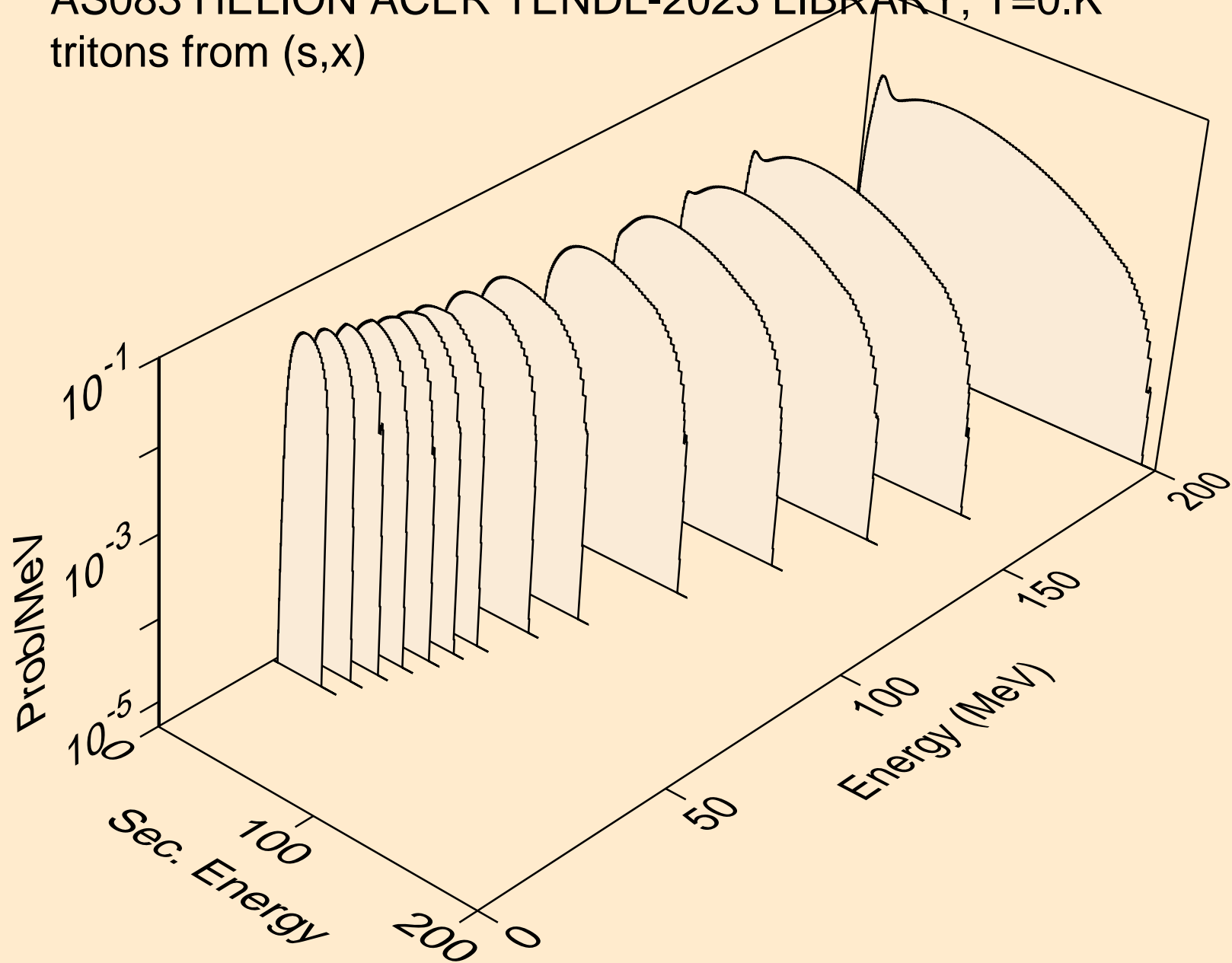
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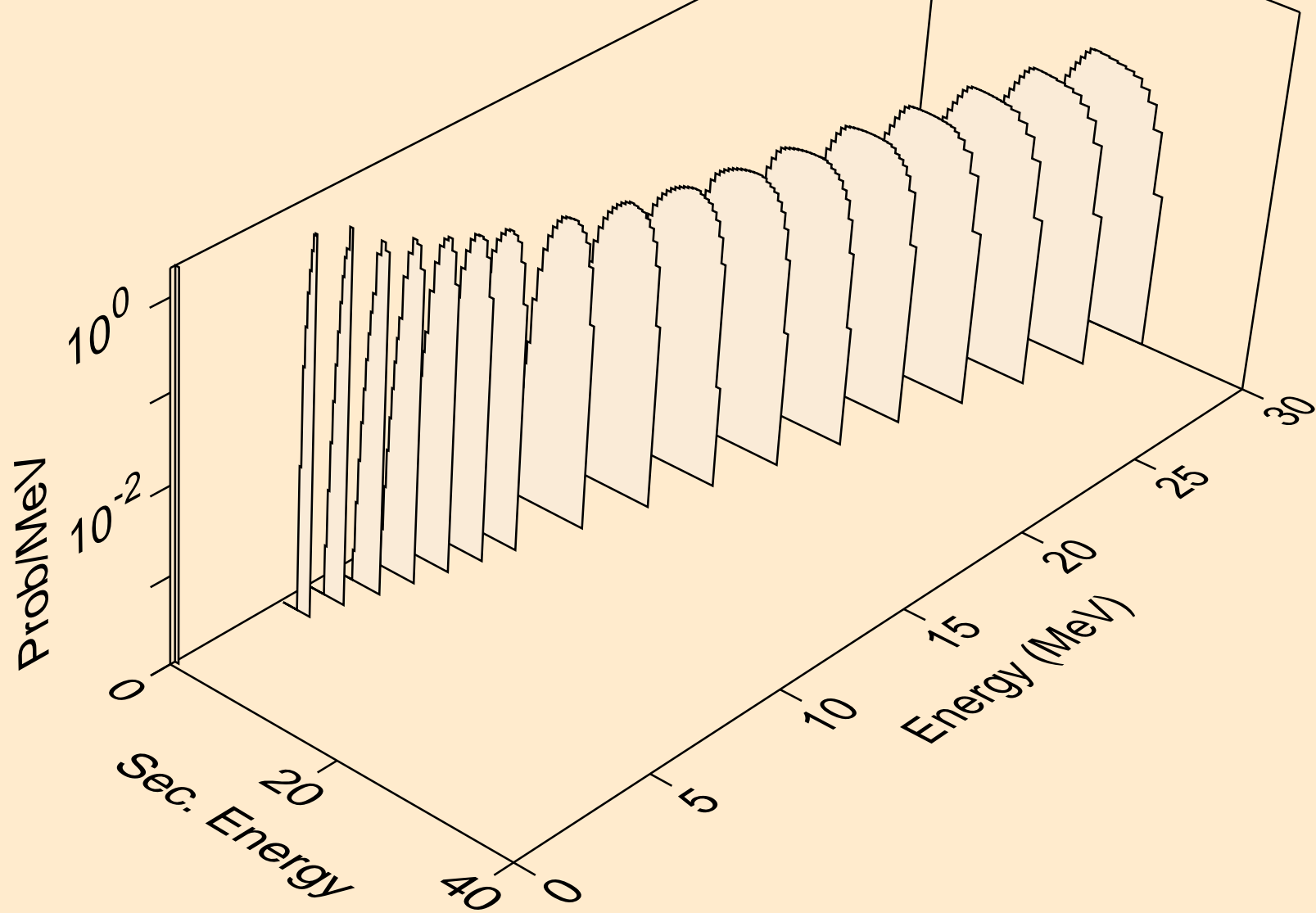
AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,x)

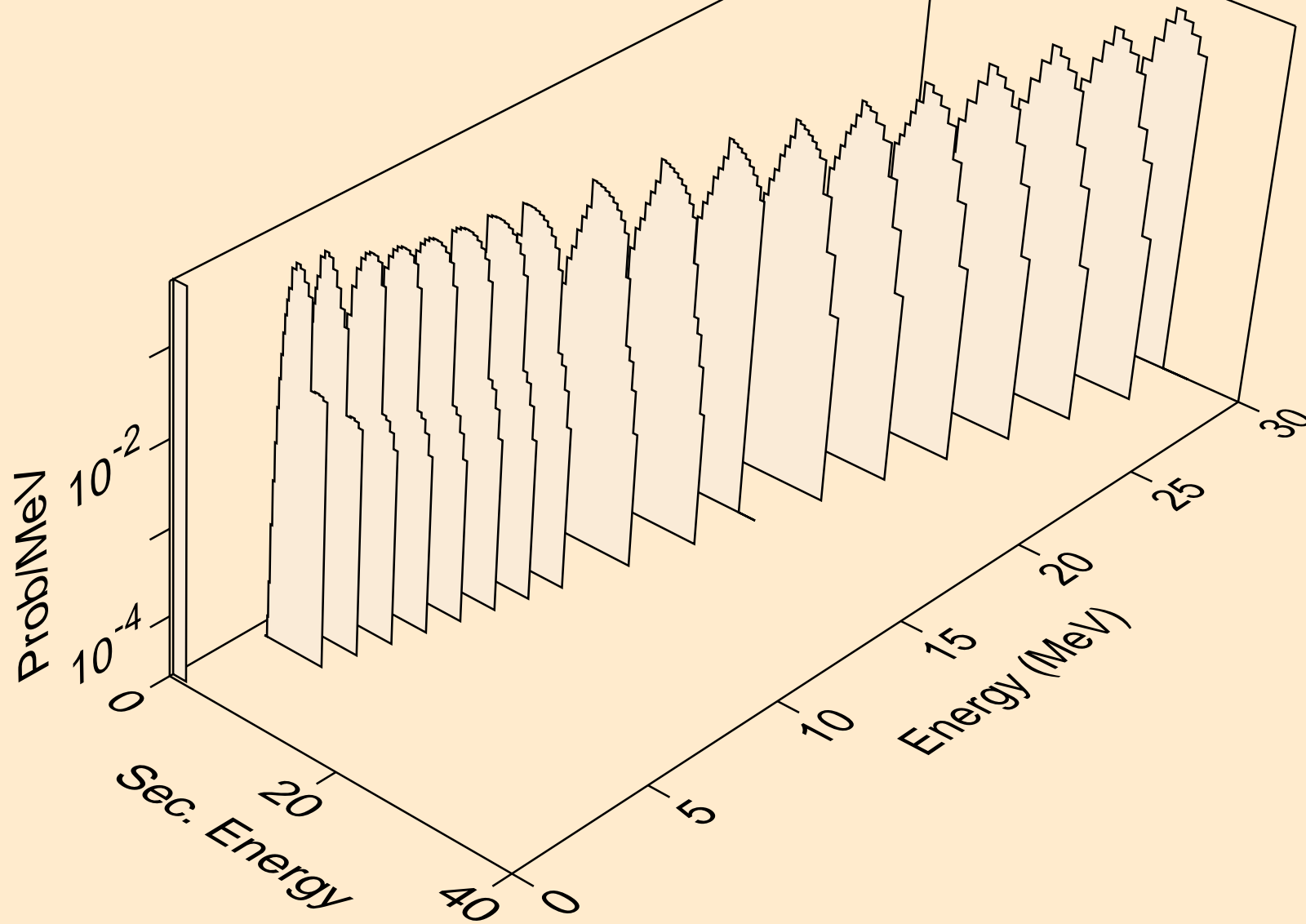


AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,n\*)t

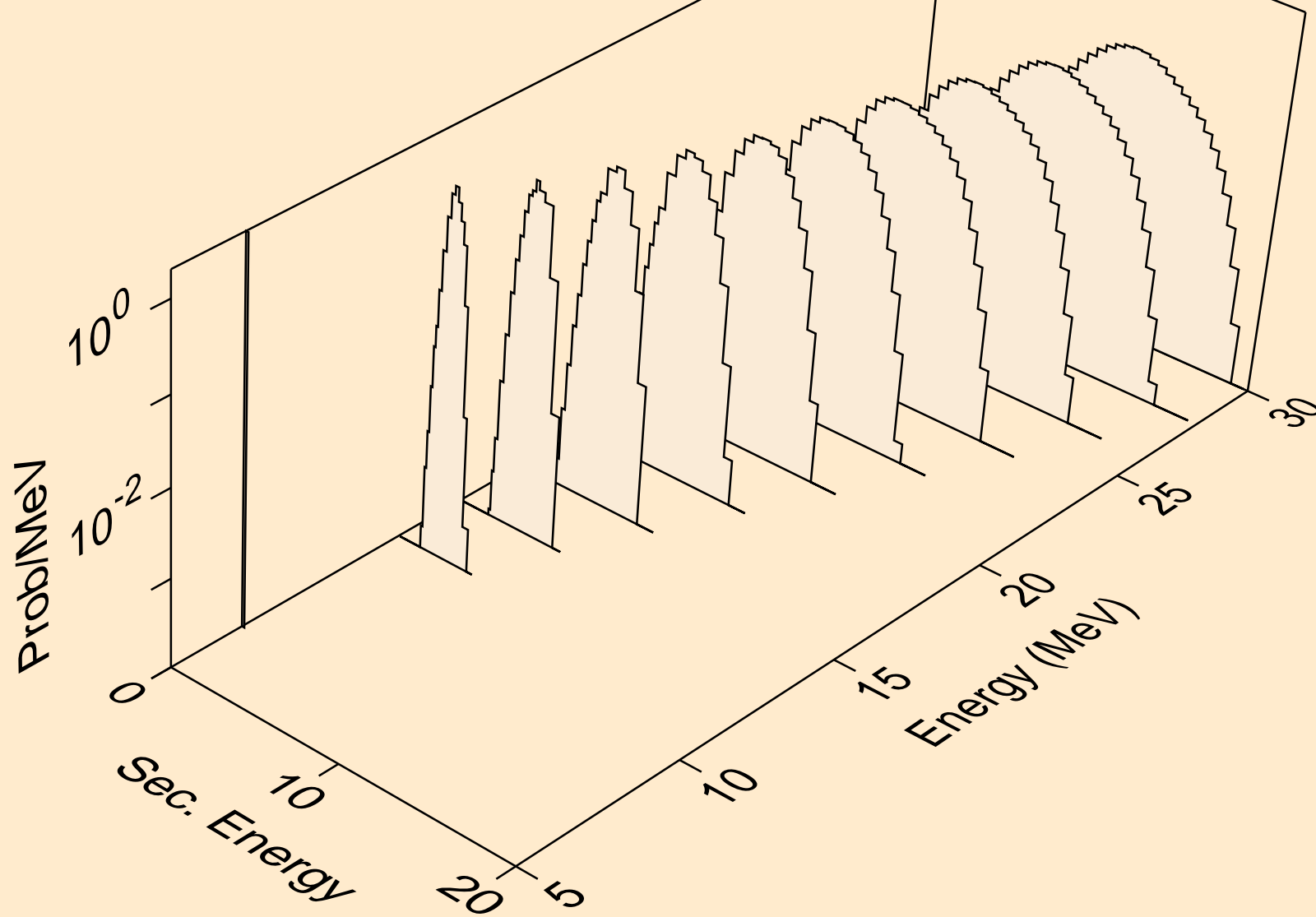




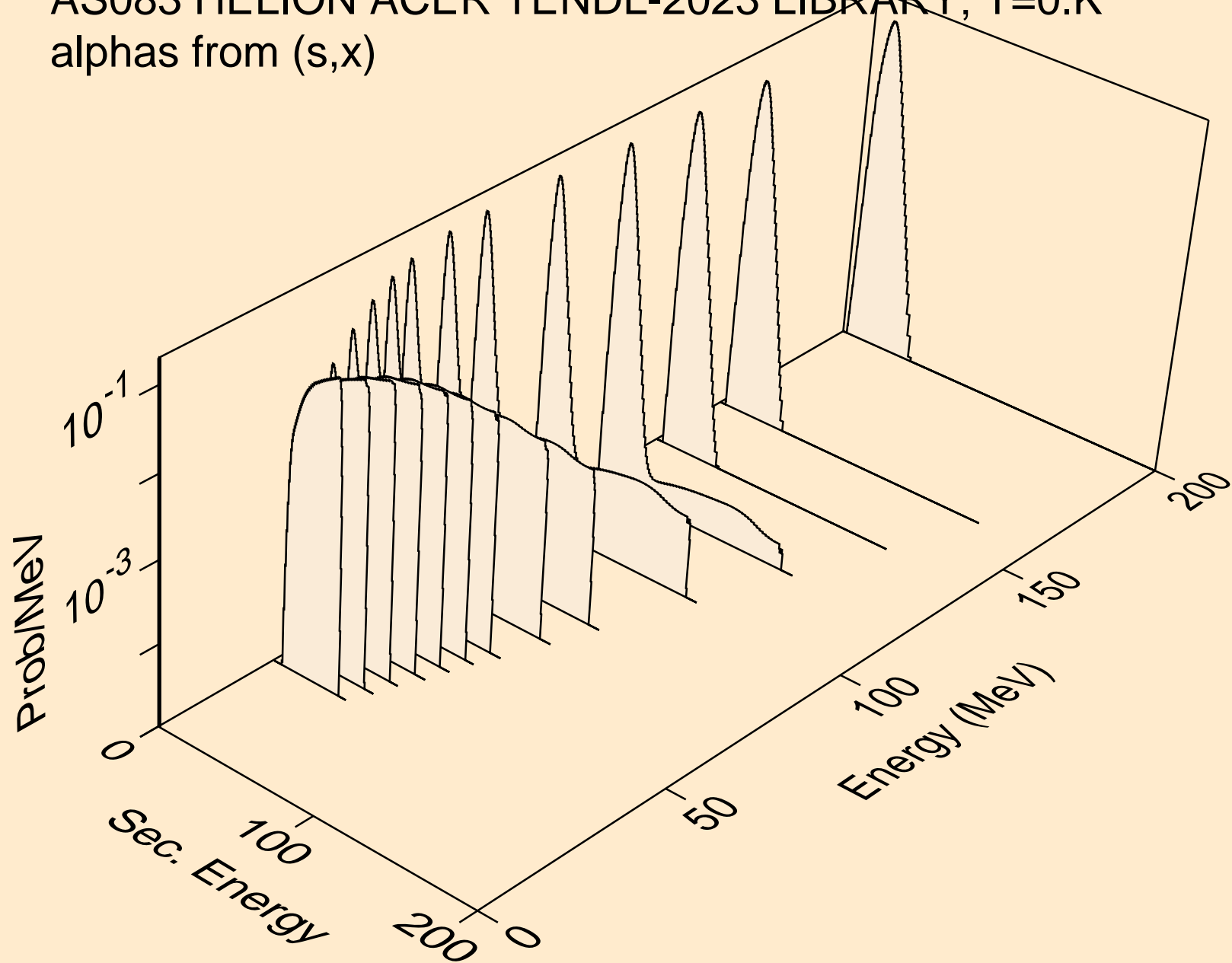
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tritons from (s,t)



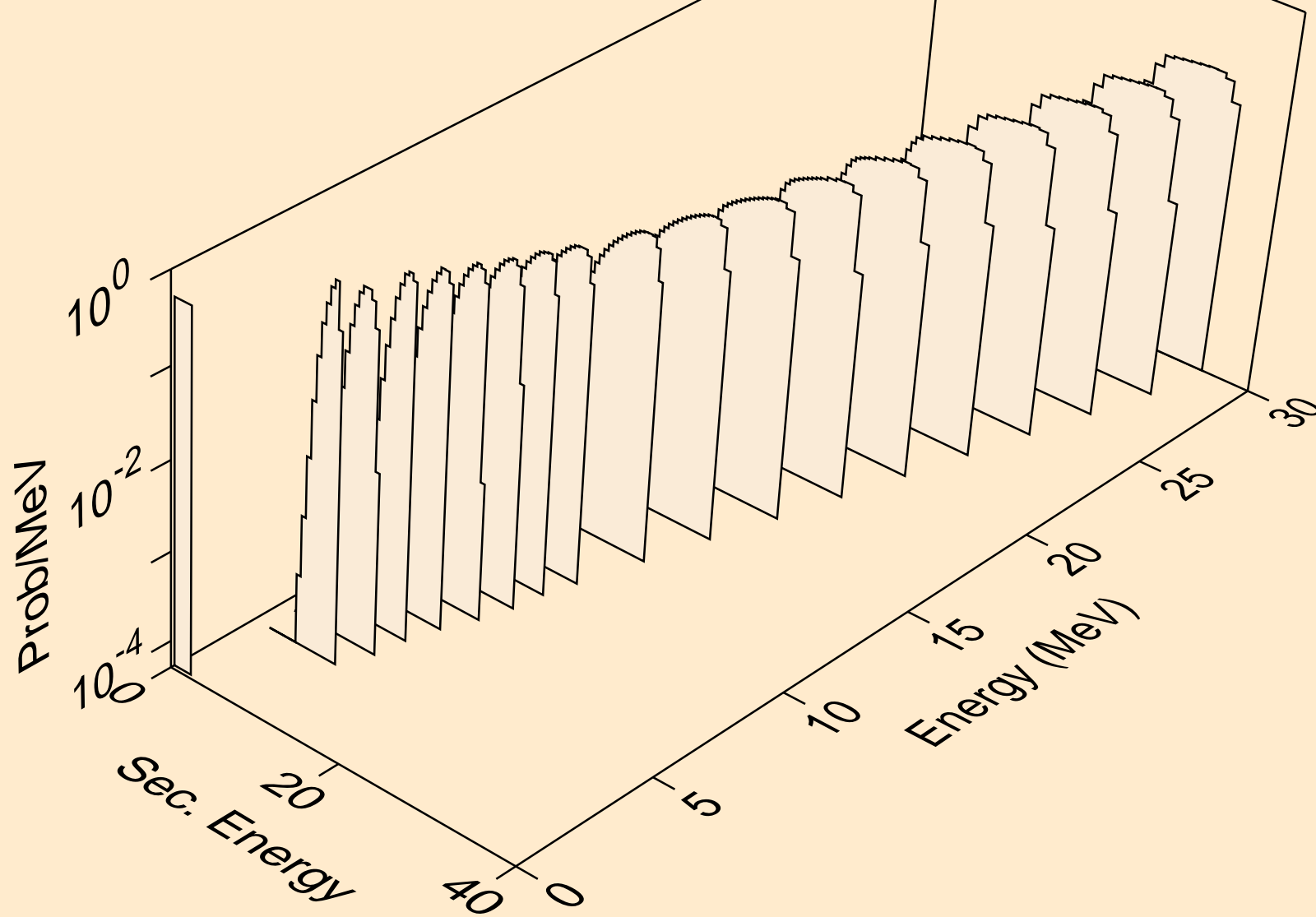
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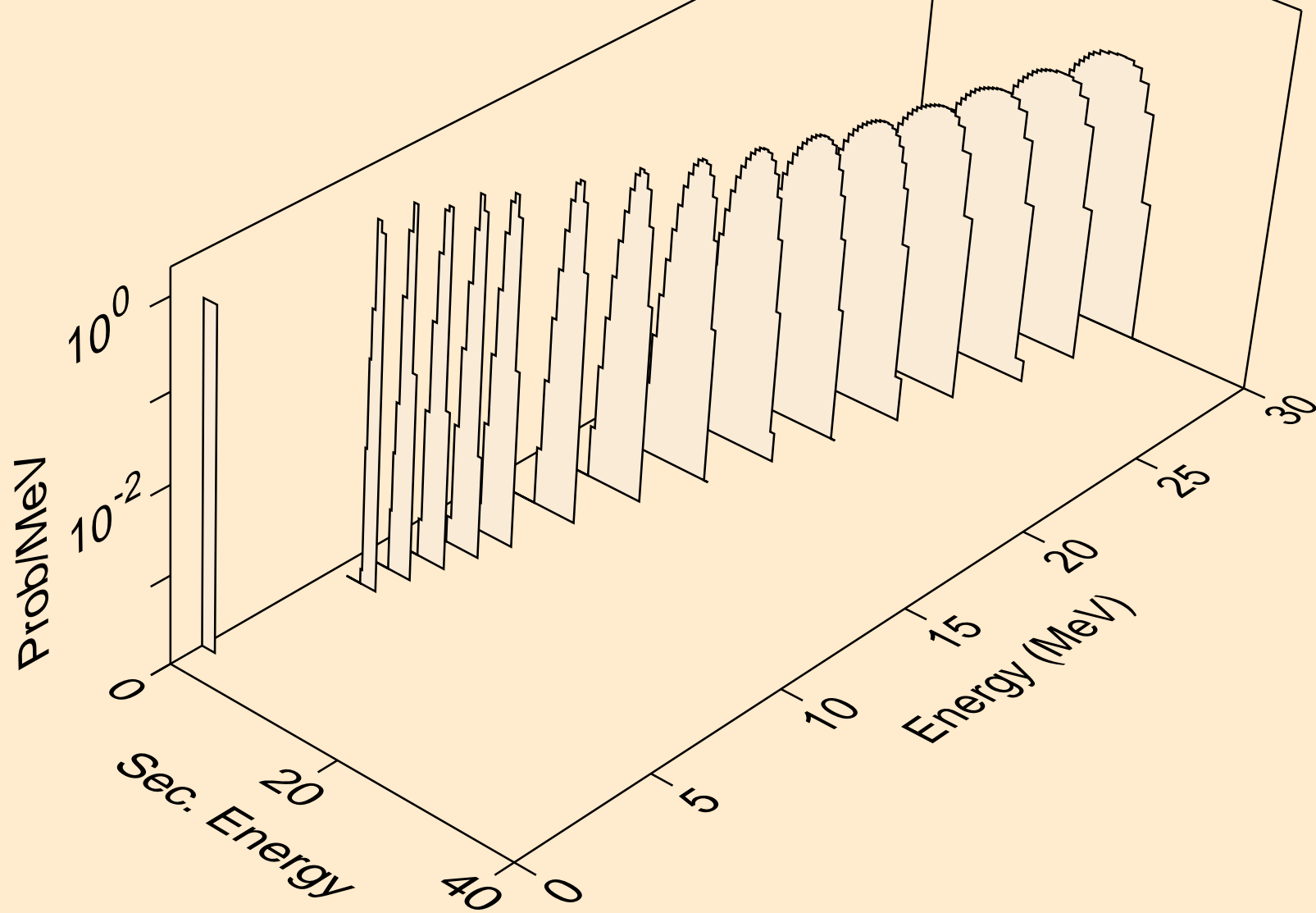
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alphas from (s,x)



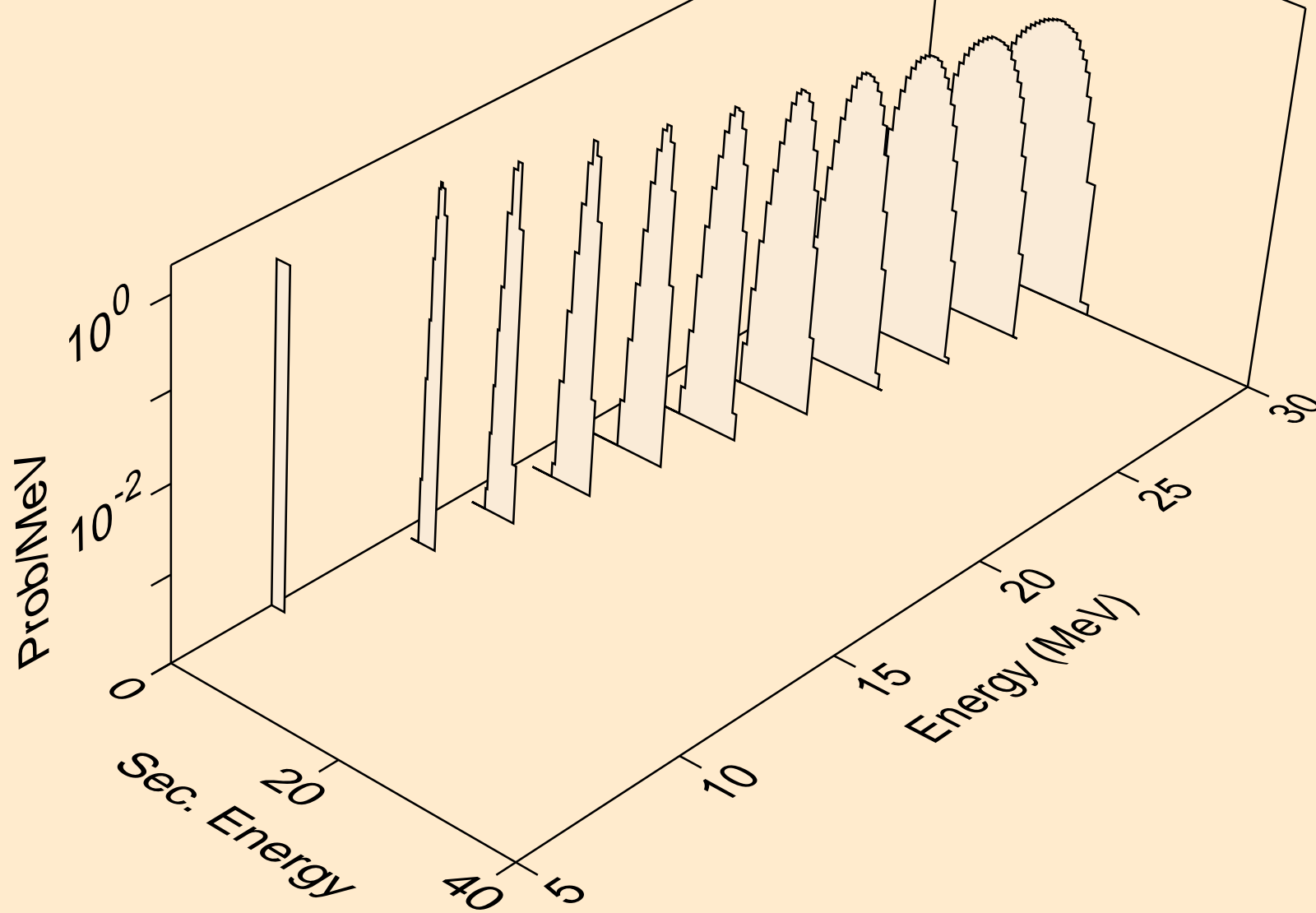
AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)a



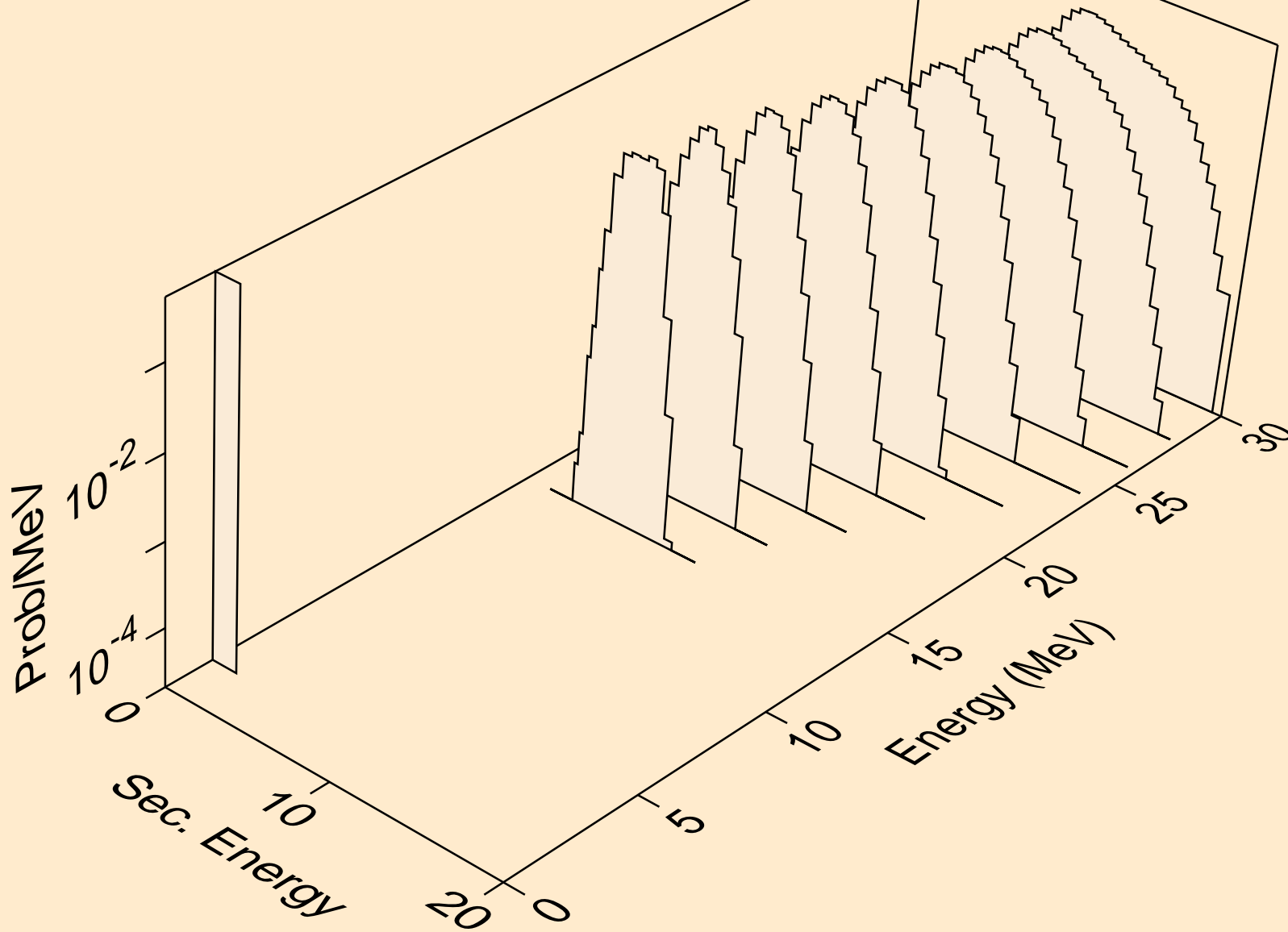
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alphas from (s,2n)a



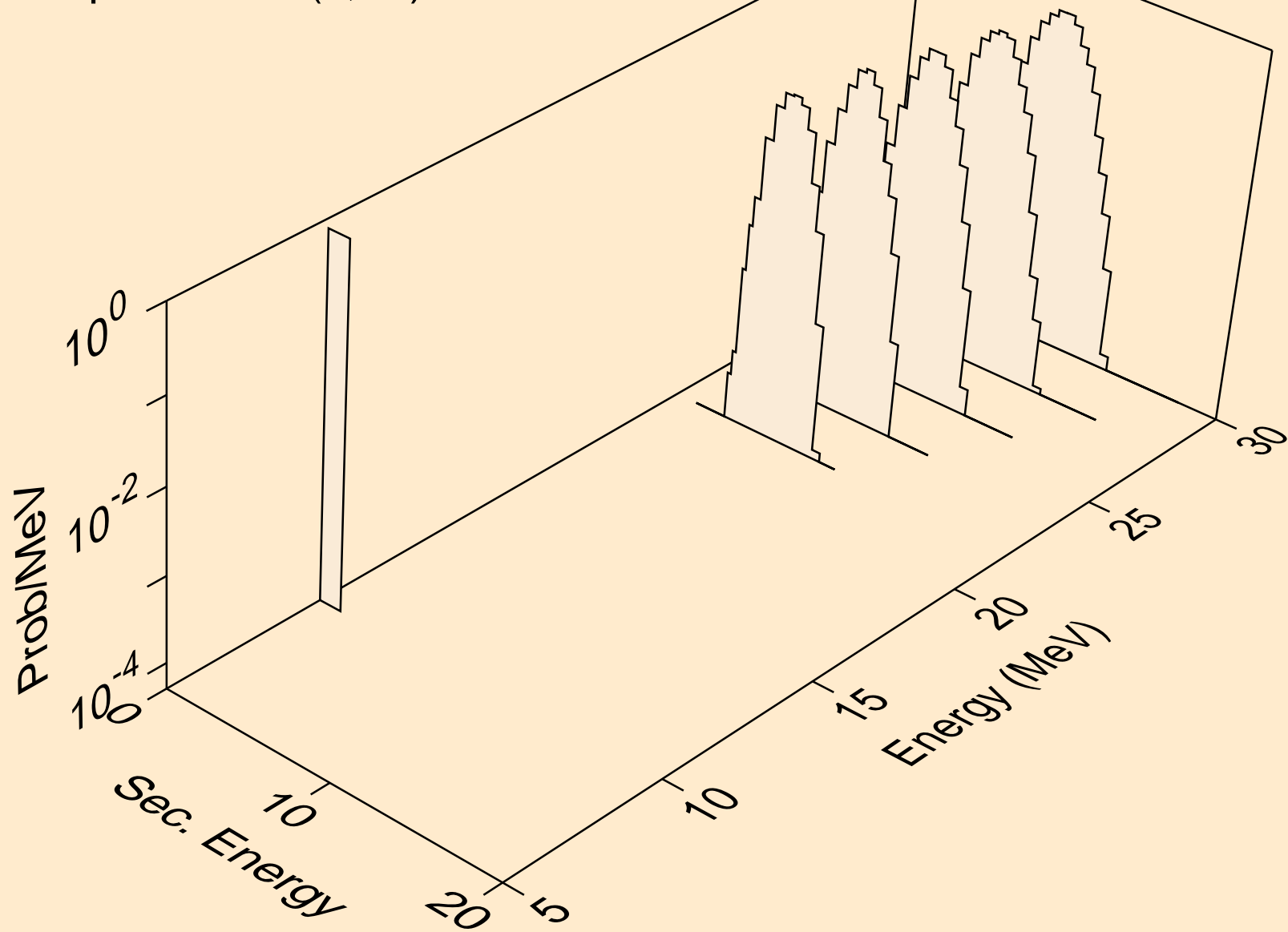
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alphas from (s,3n)a



AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)2a

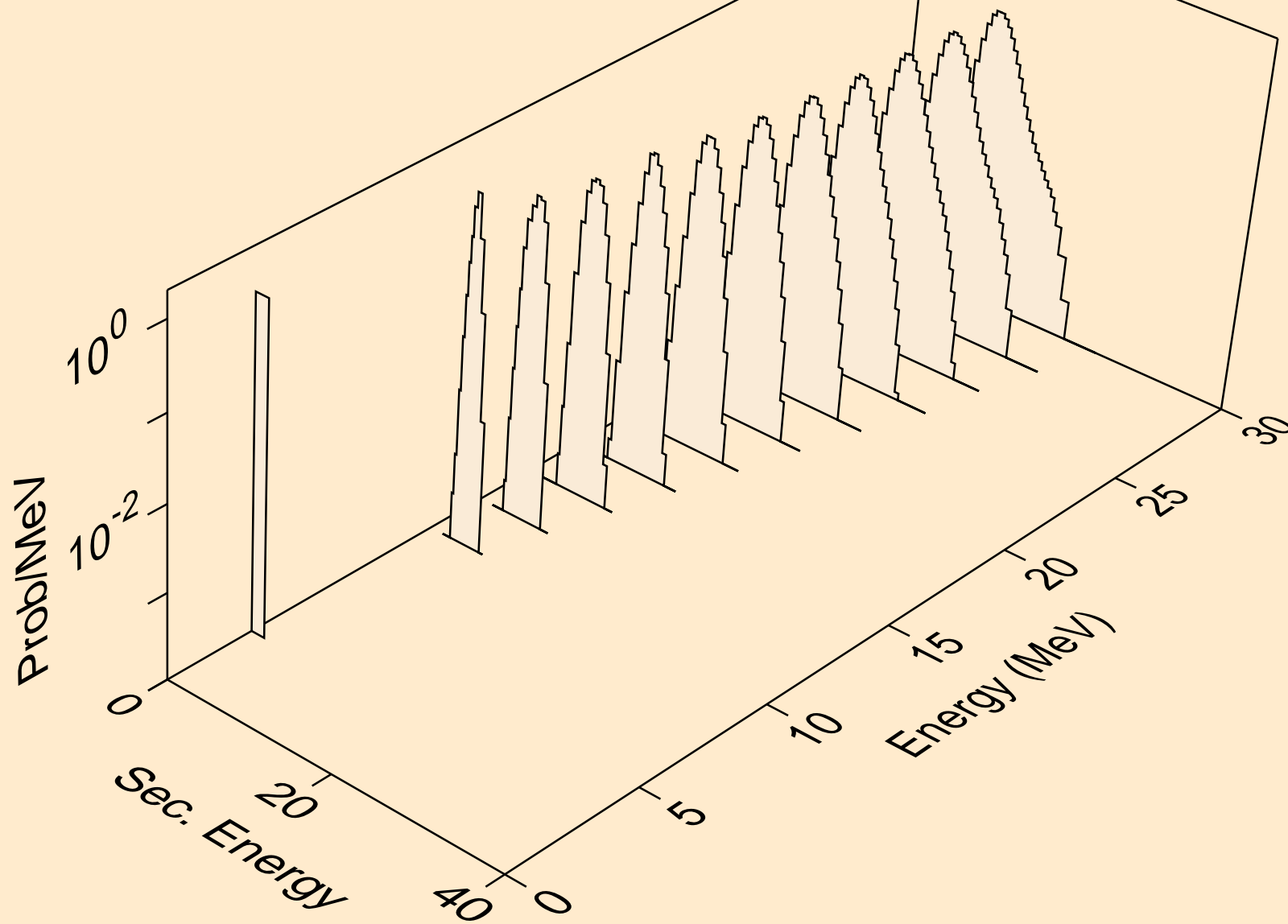


AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
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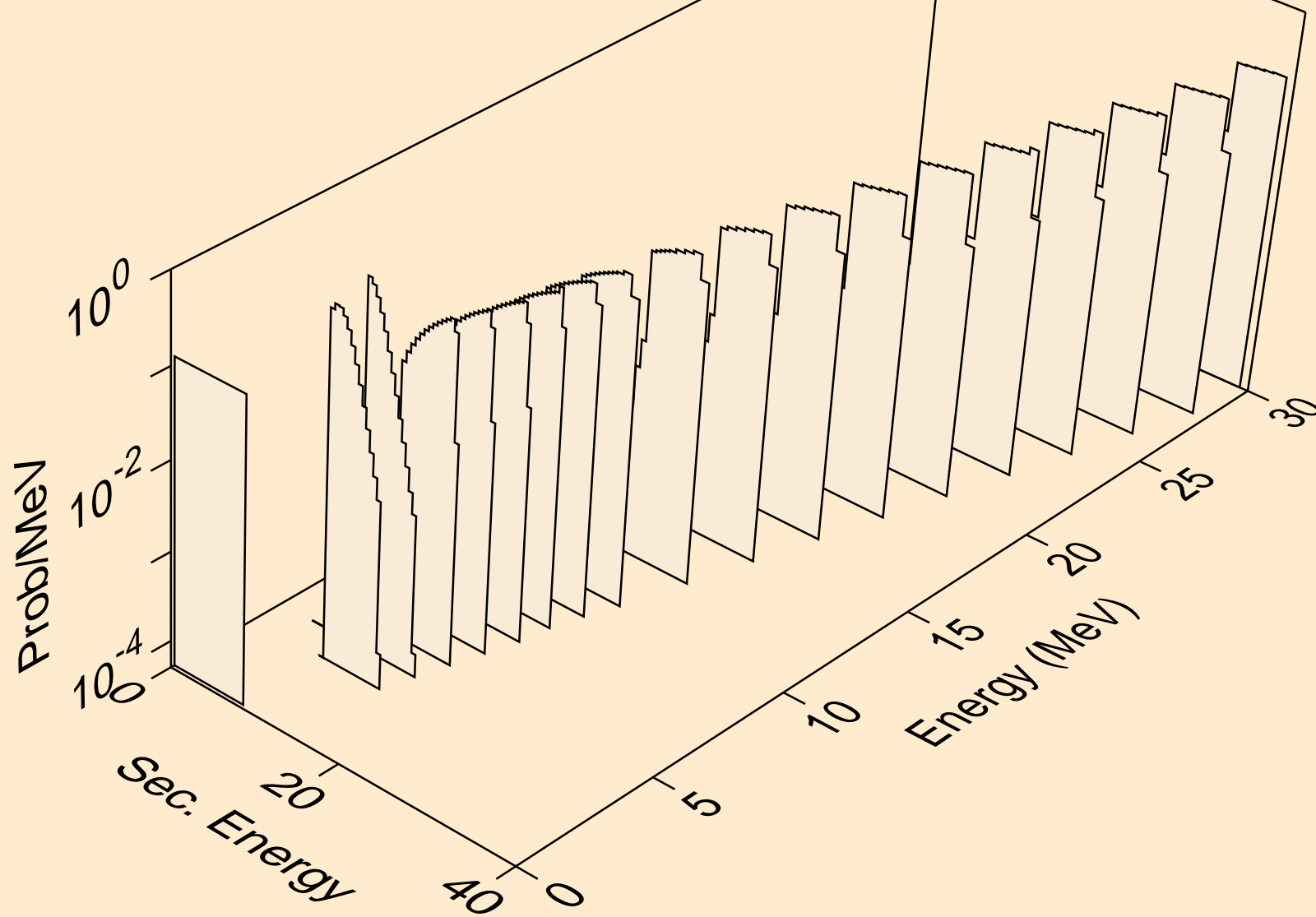




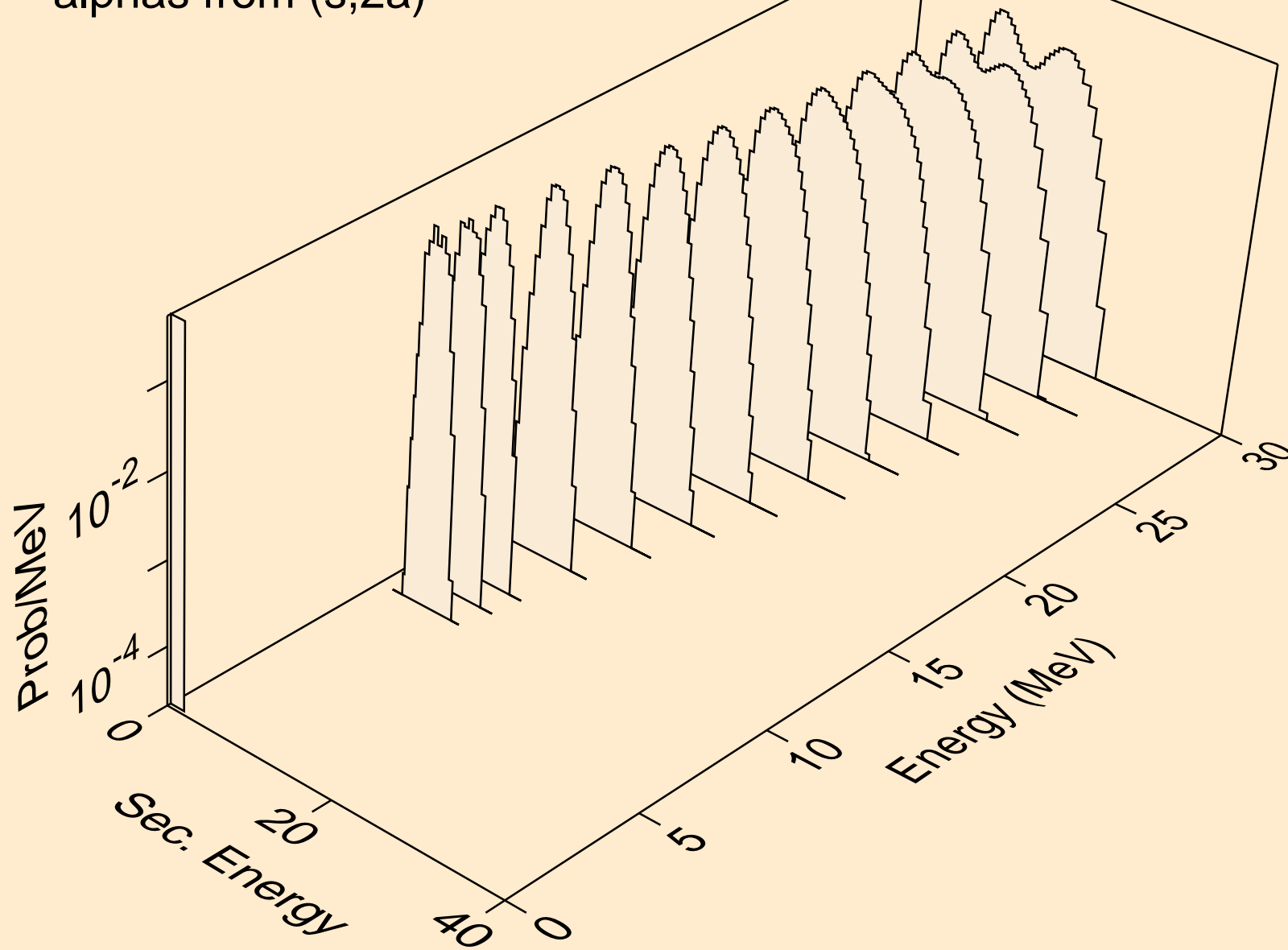
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alphas from (s,npa)



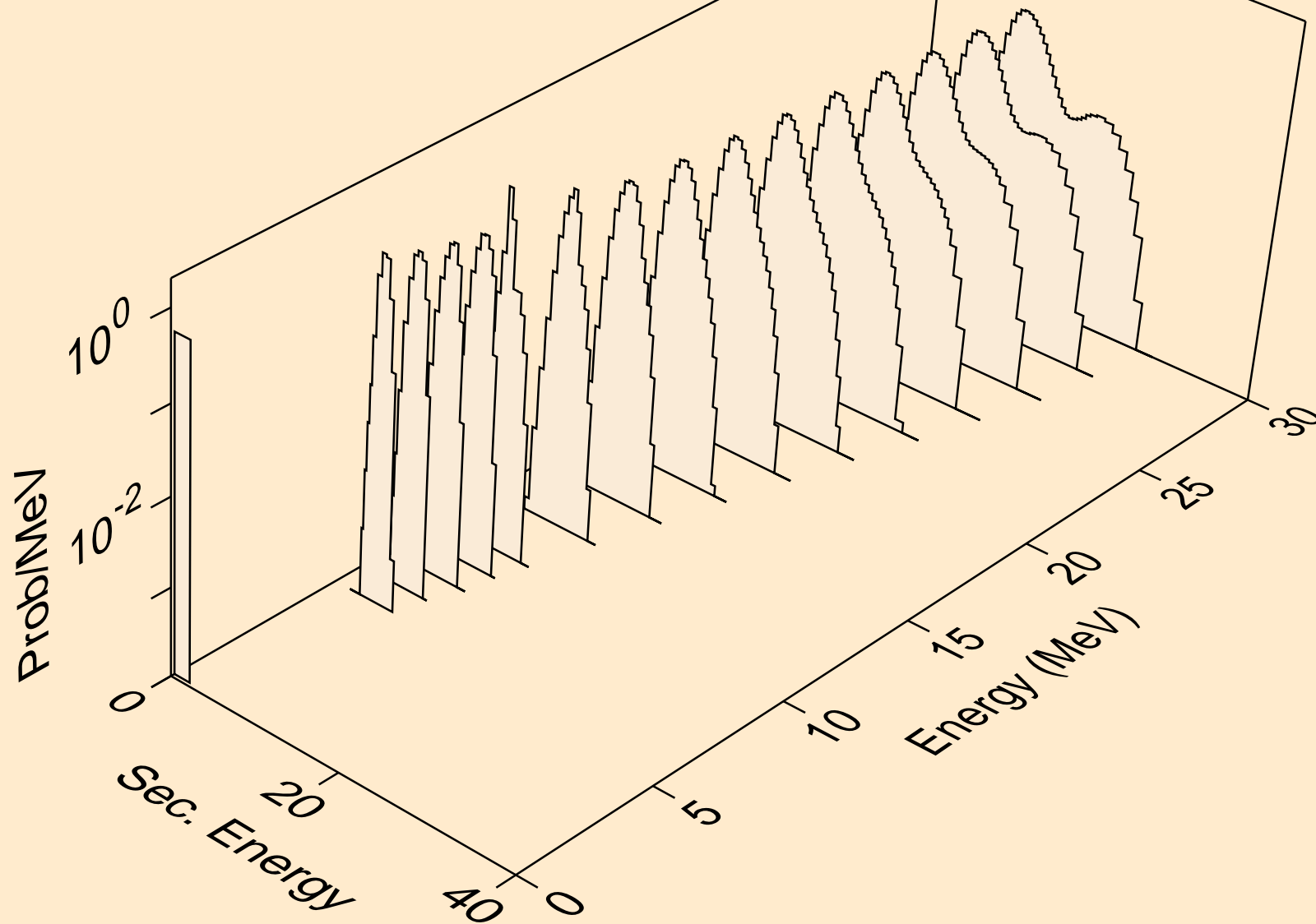
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alphas from (s,a)



AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)



AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



AS083 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

