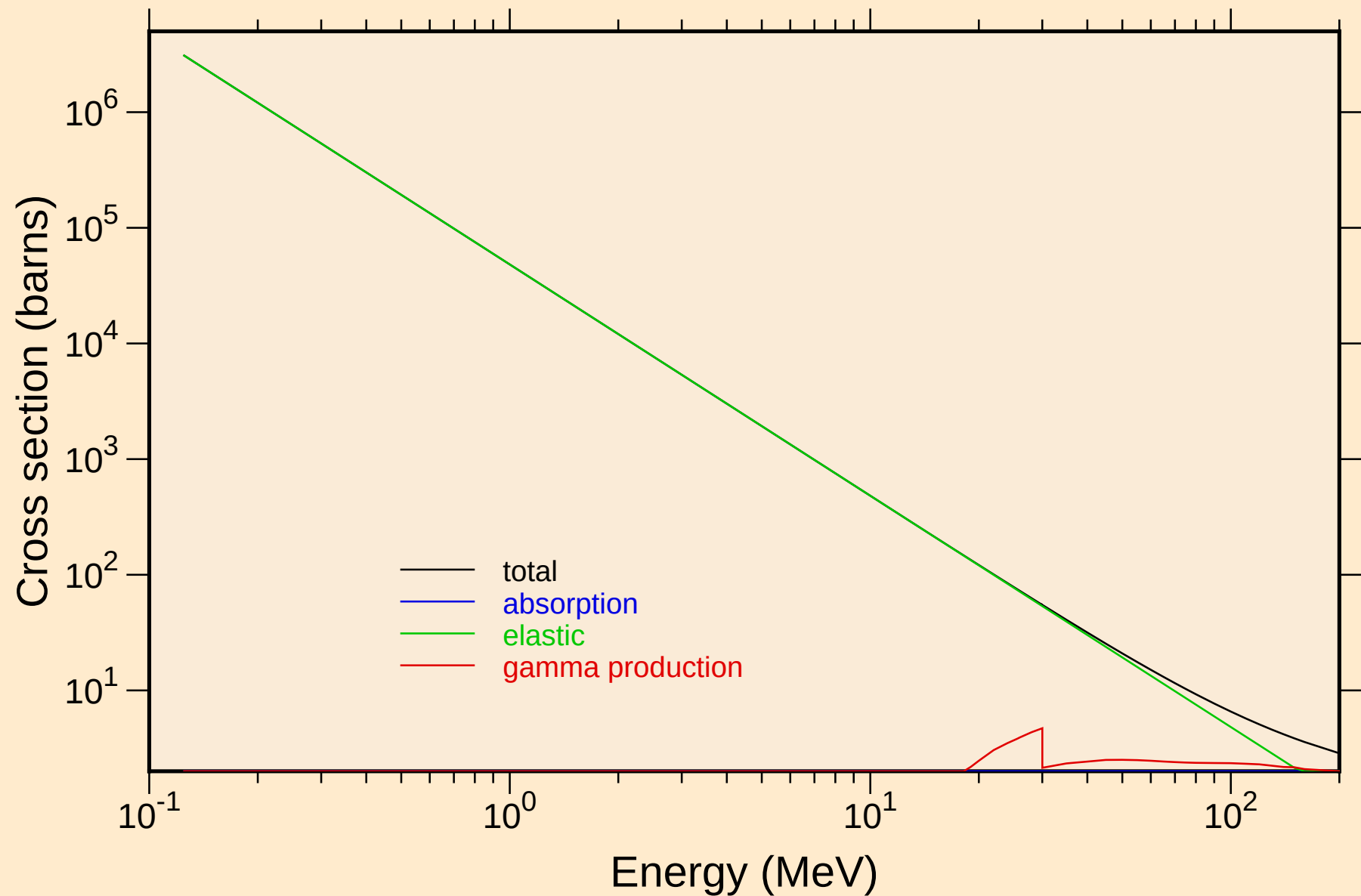


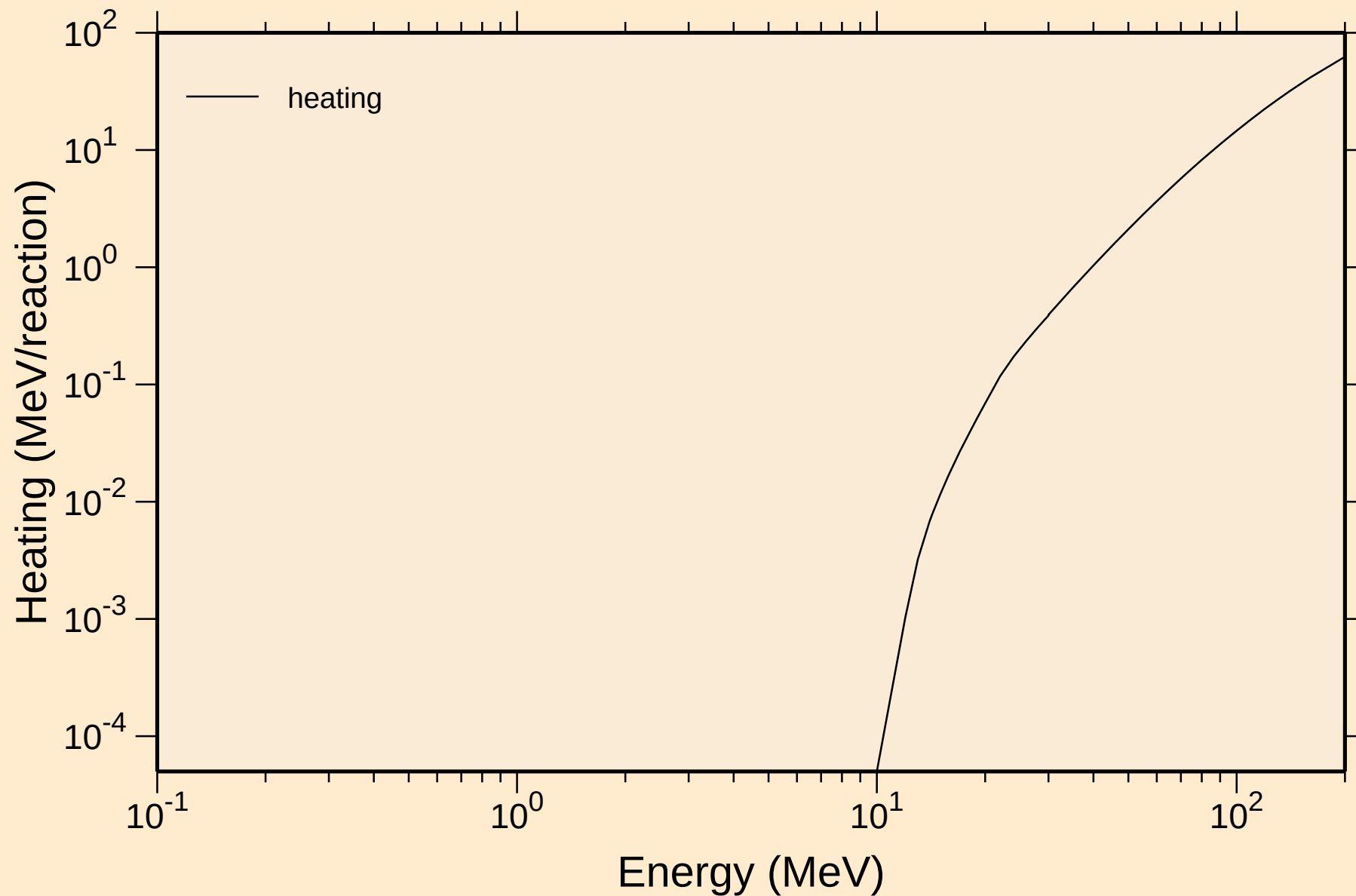
TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K

Principal cross sections



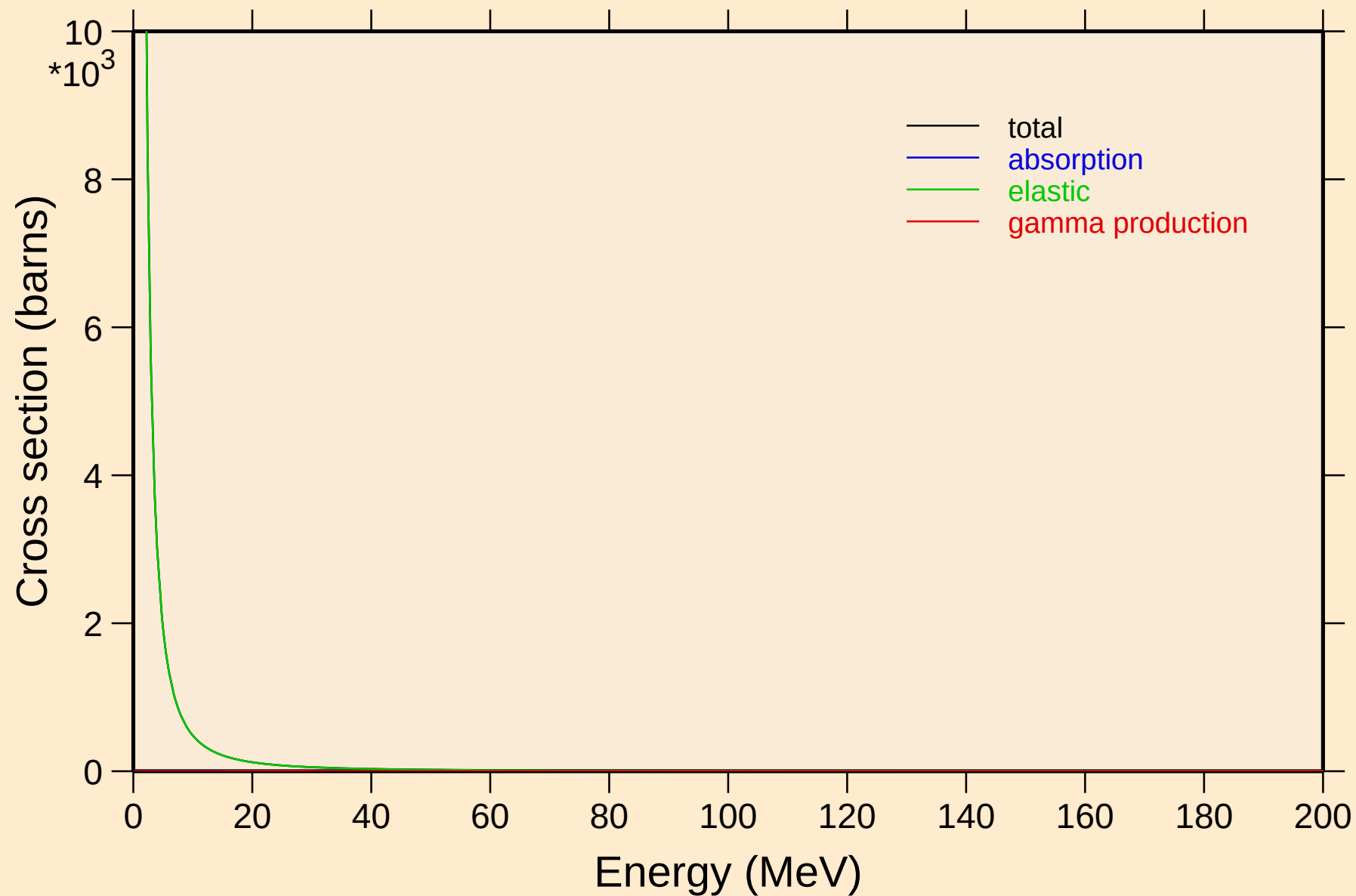
TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K

Heating



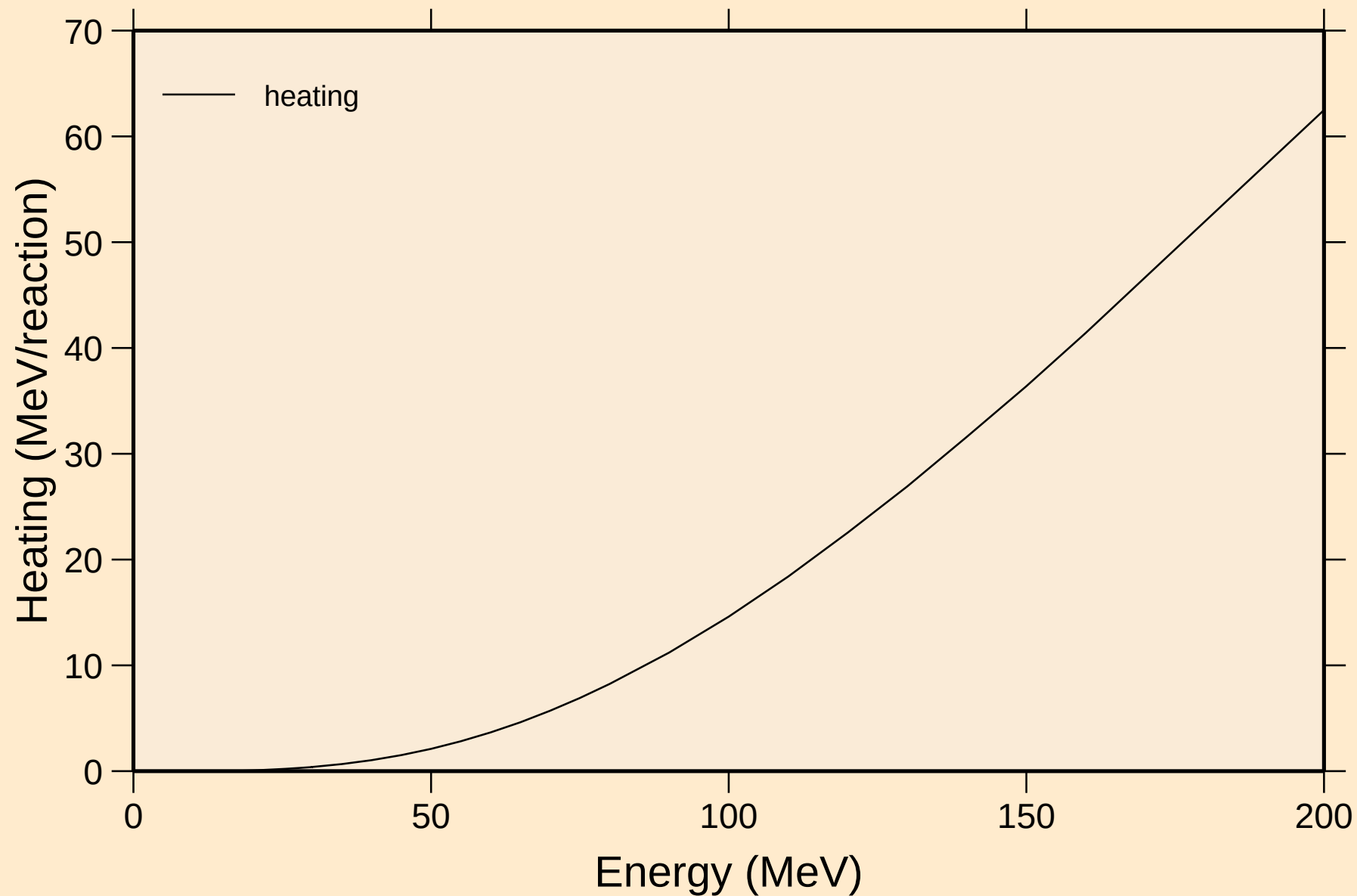
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Principal cross sections



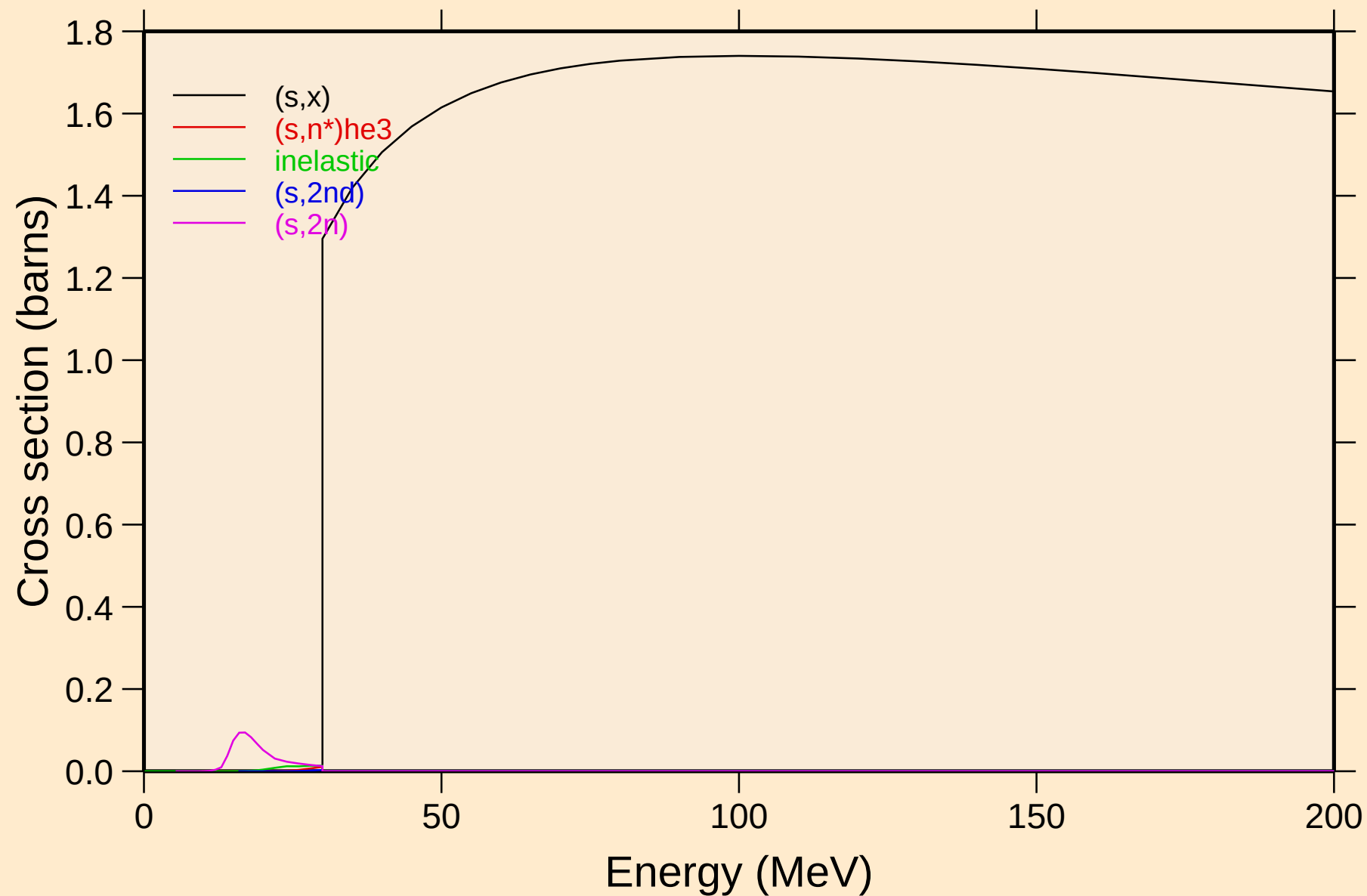
TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K

Heating

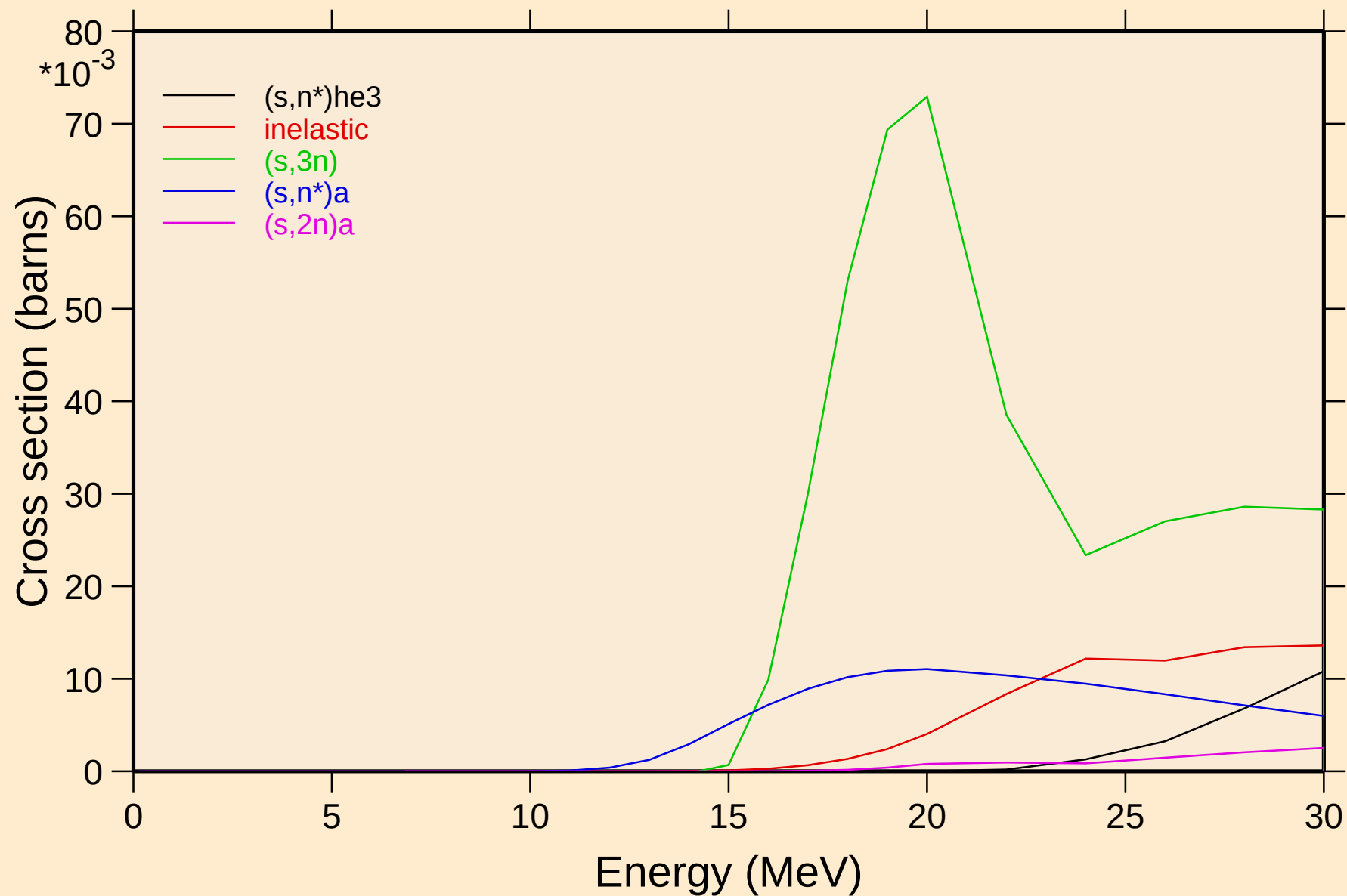


# TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K

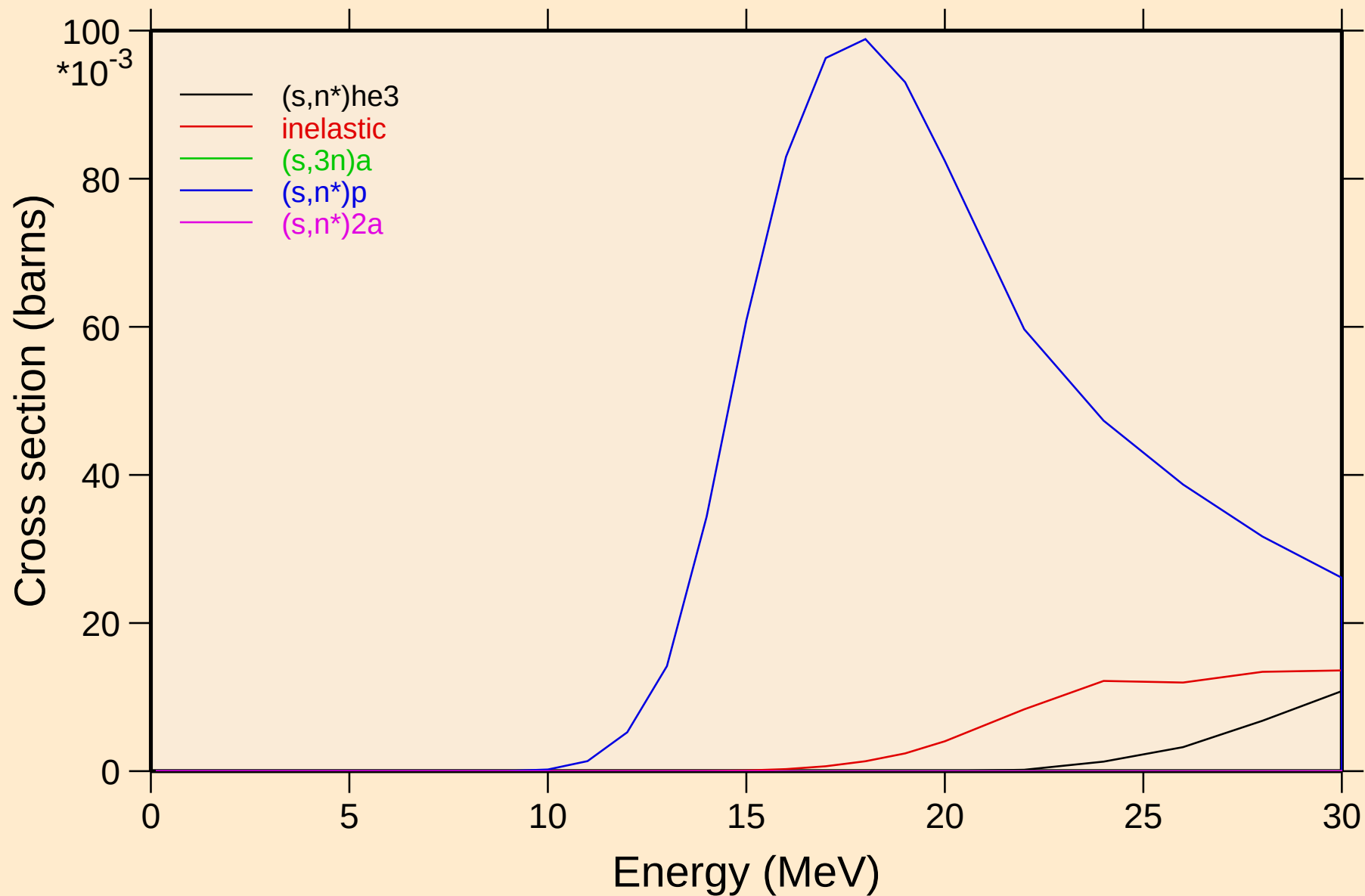
## Threshold reactions



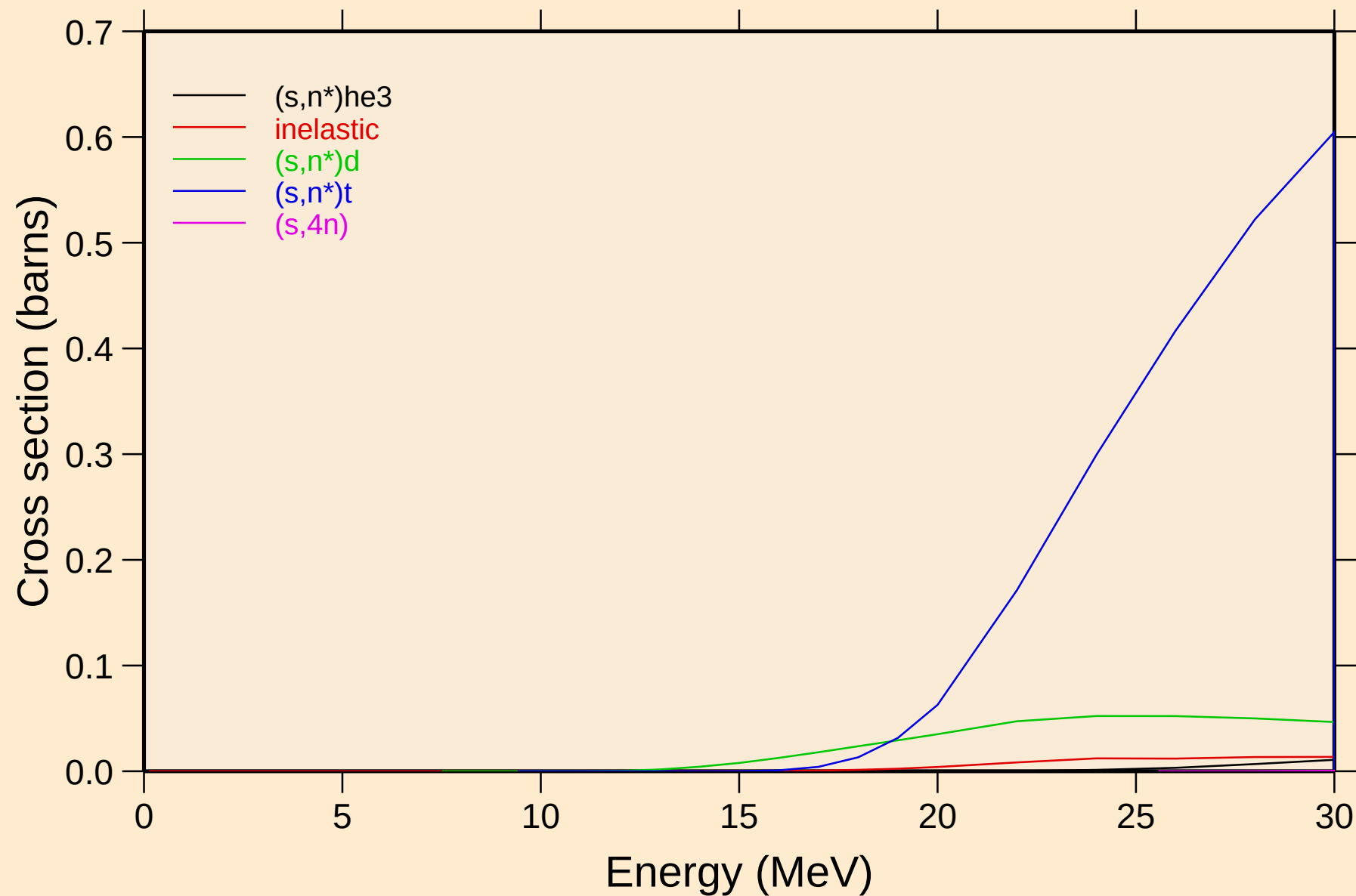
TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



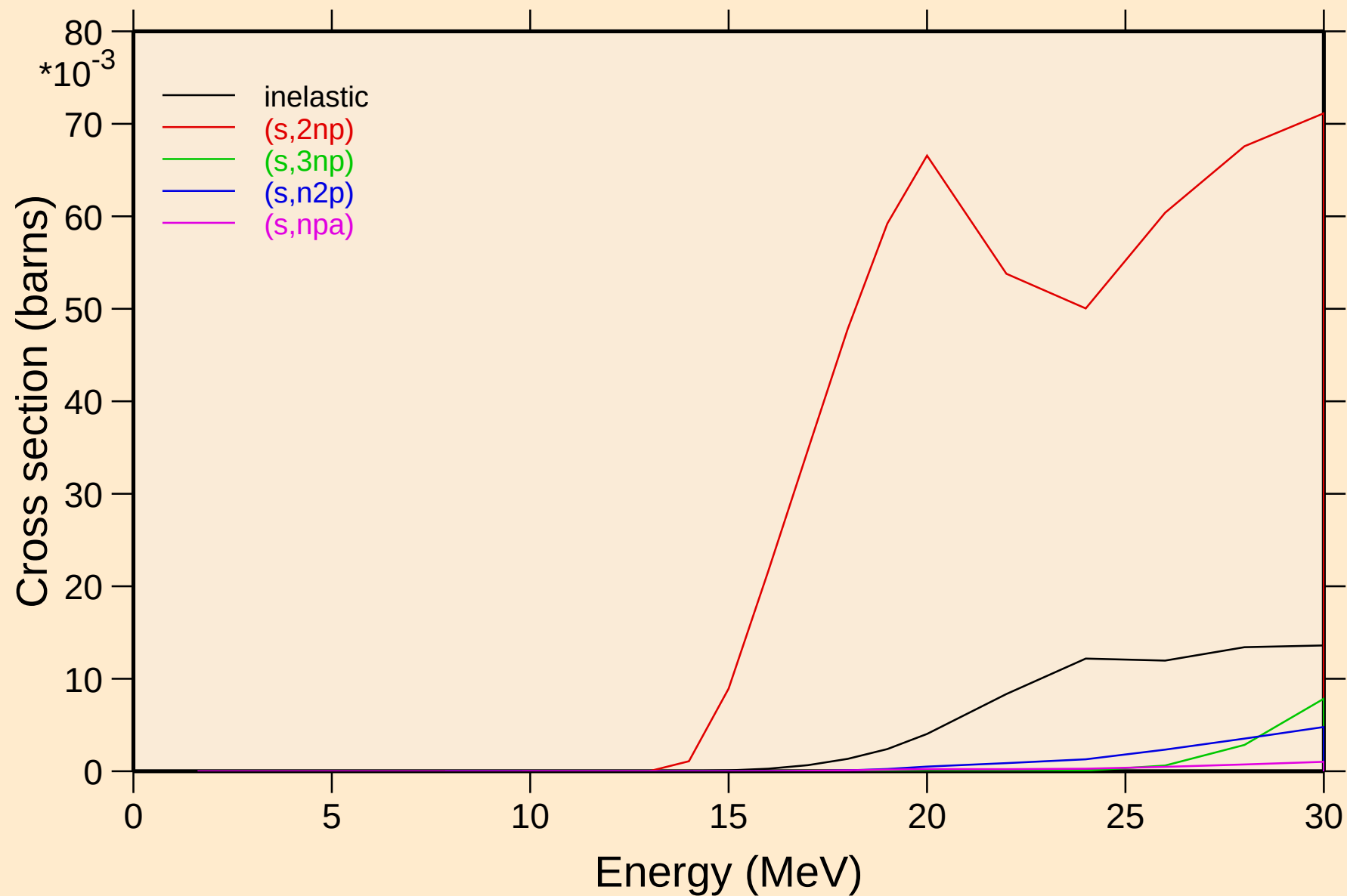
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Threshold reactions



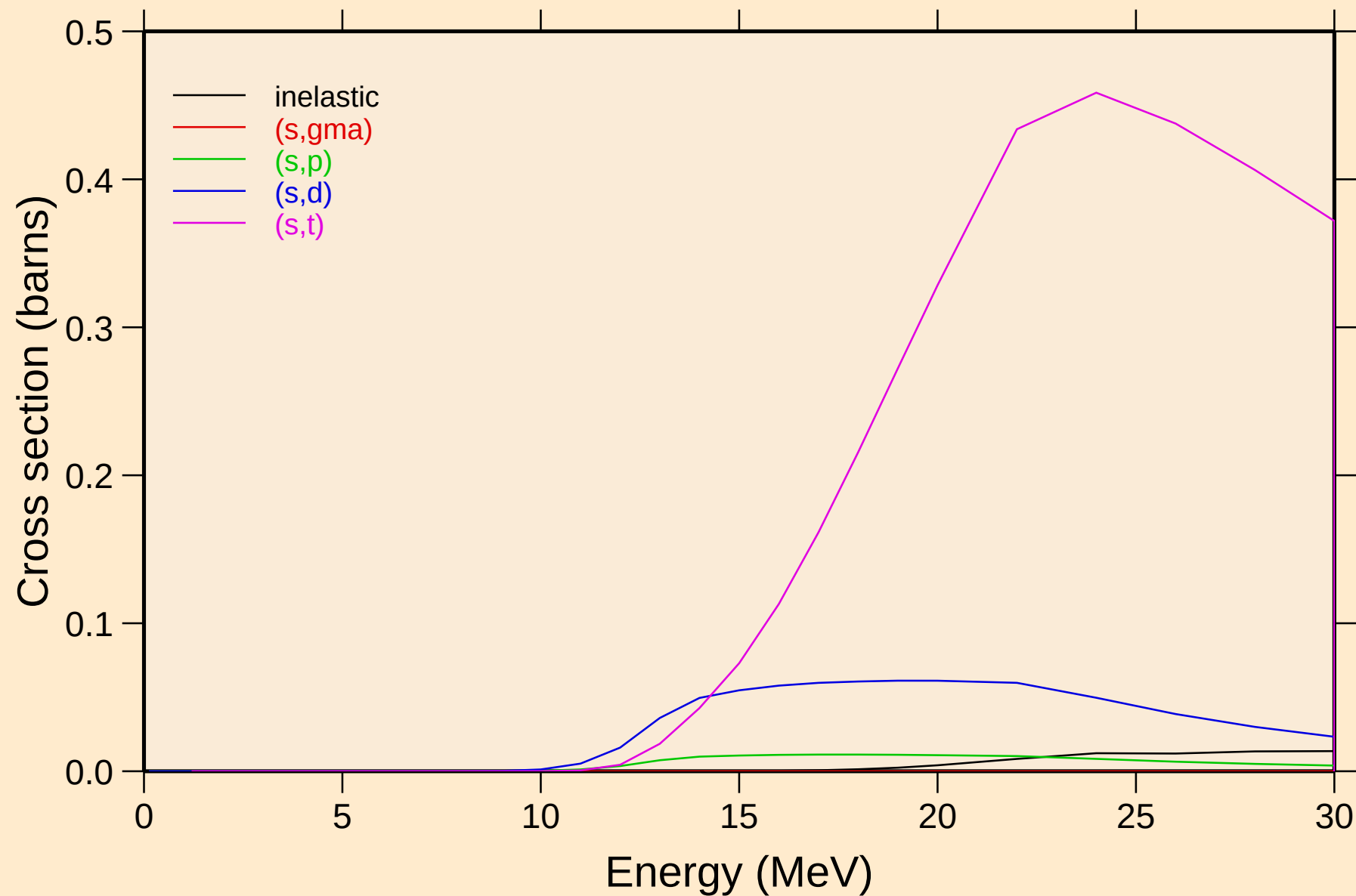


# TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K

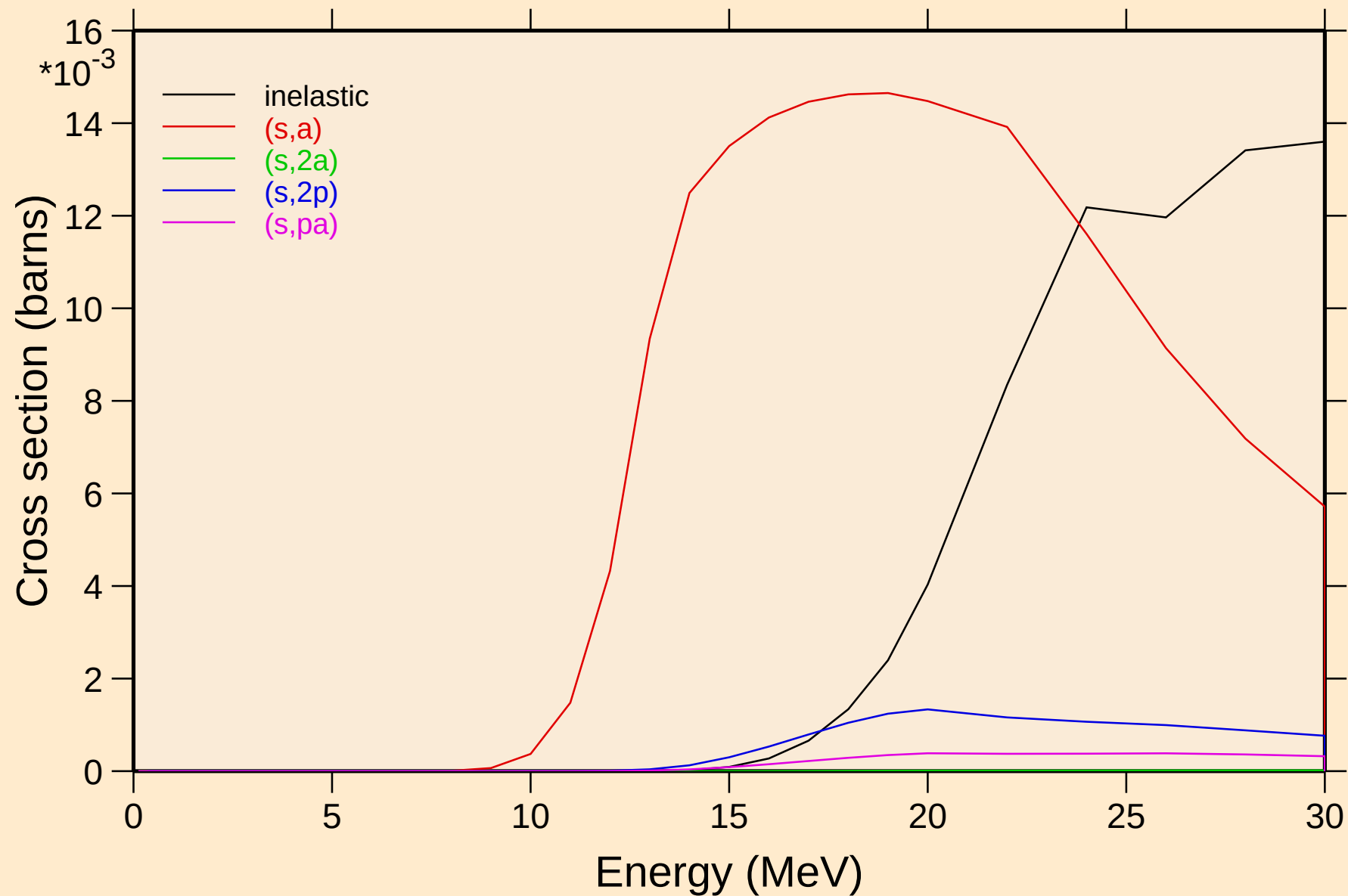
## Threshold reactions



TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

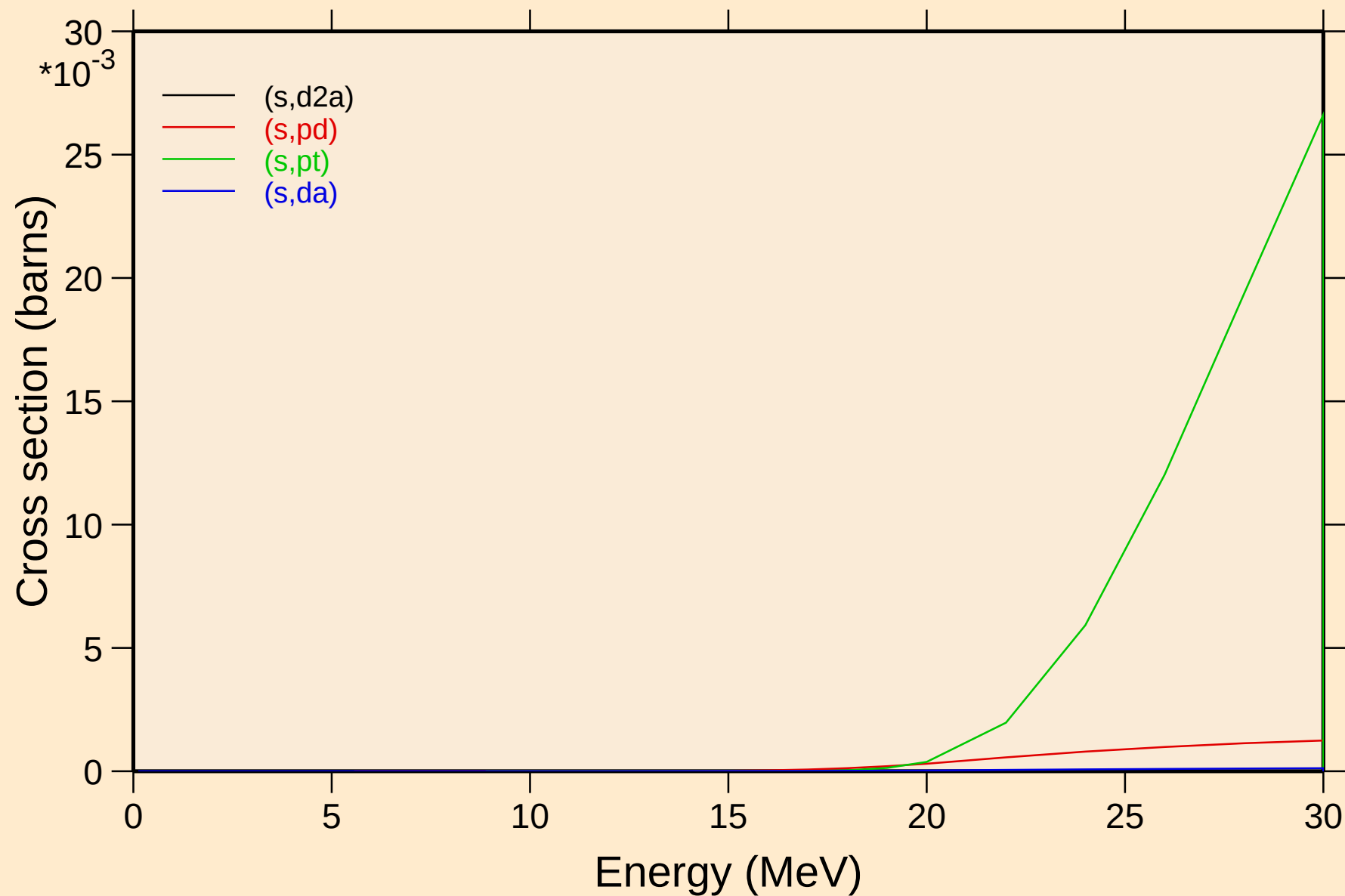


TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

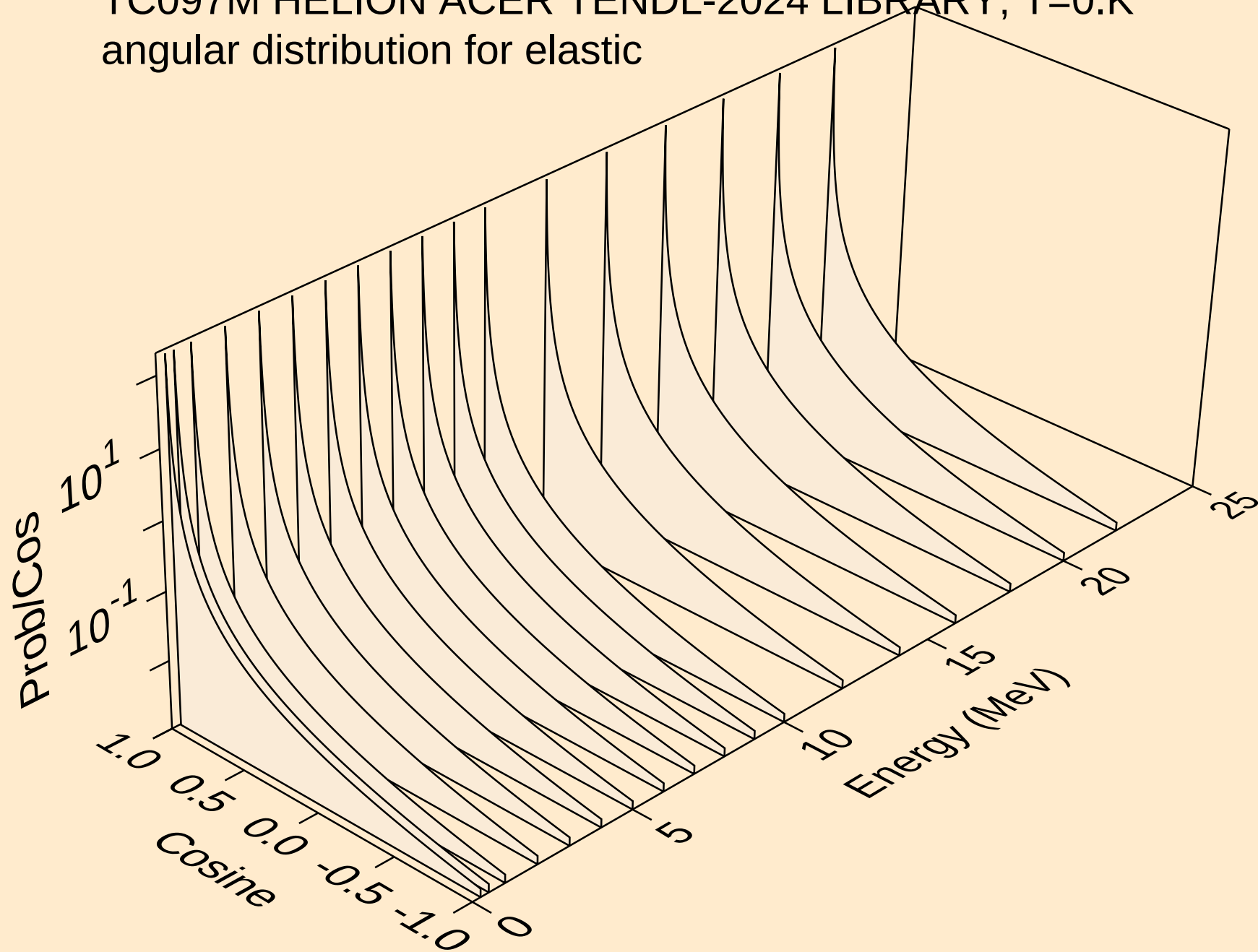


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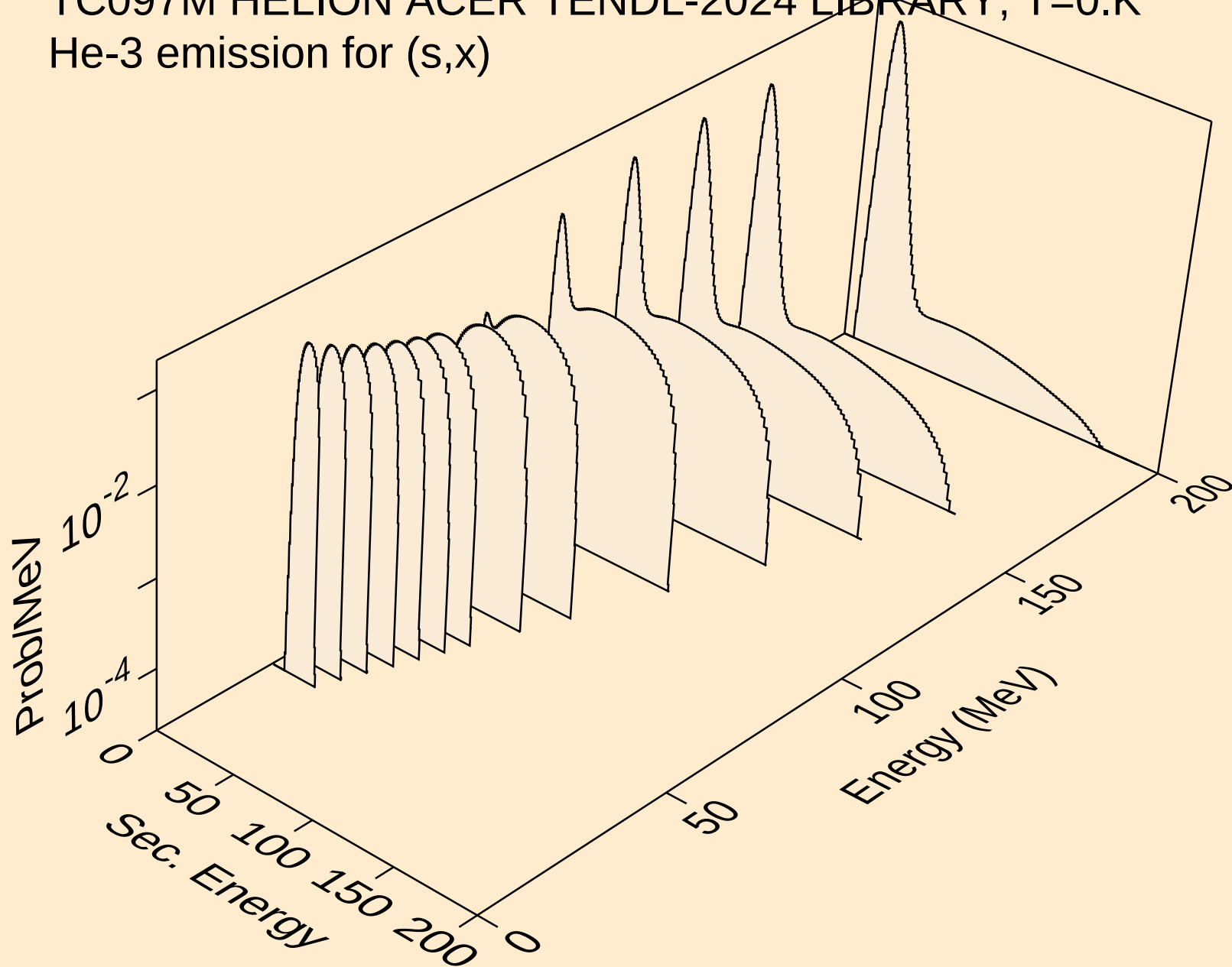
## Threshold reactions



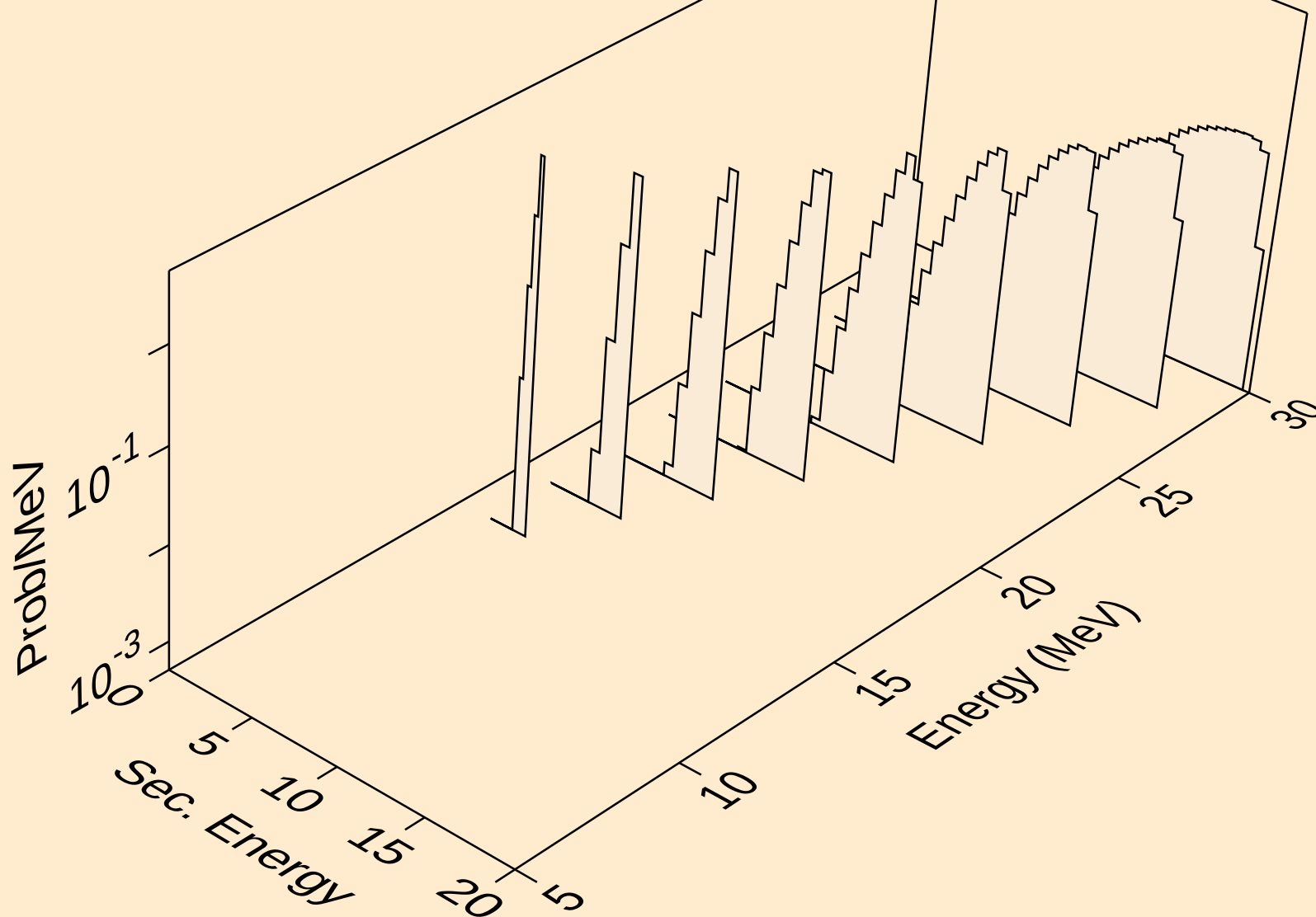
TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



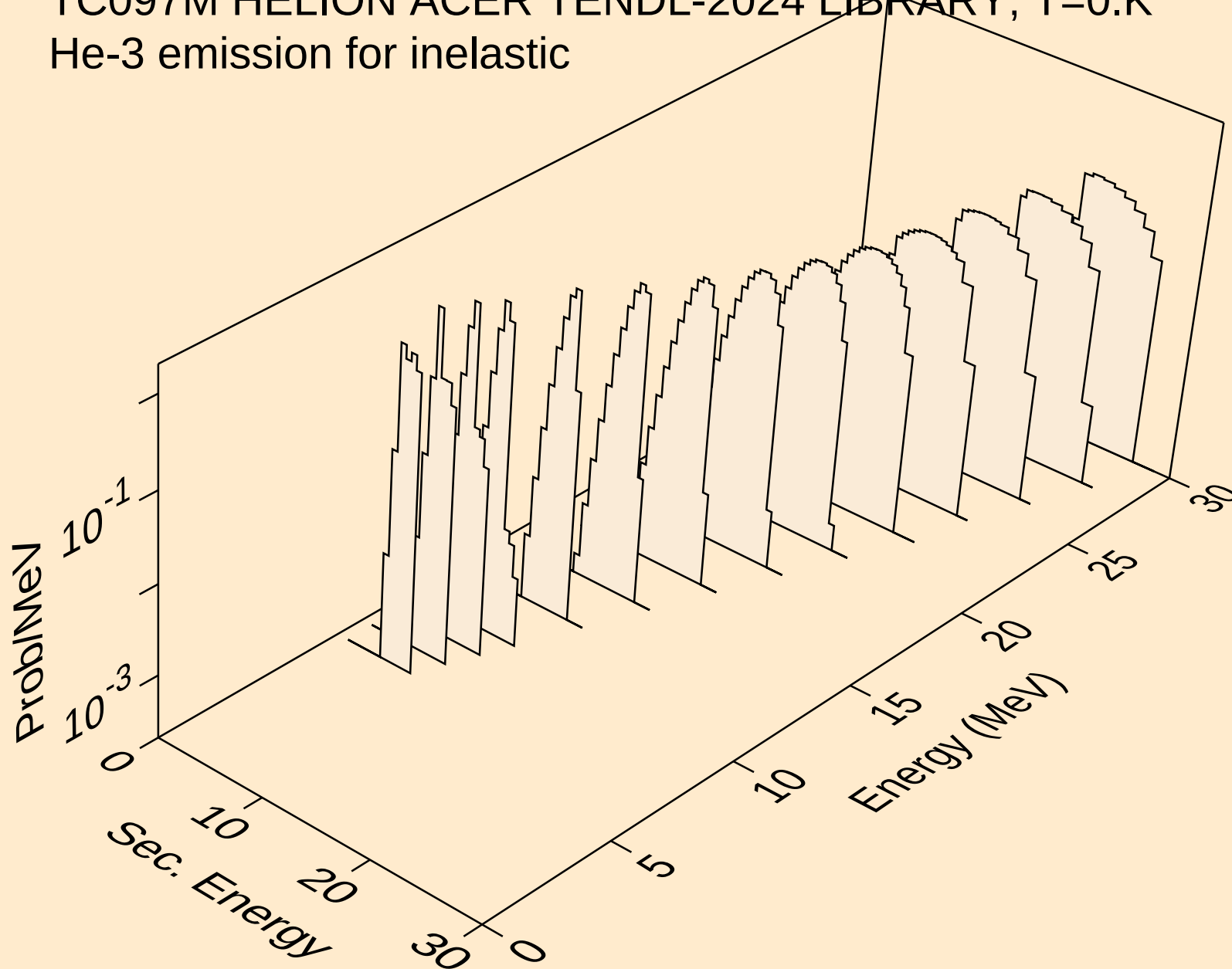
TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for (s,x)



TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

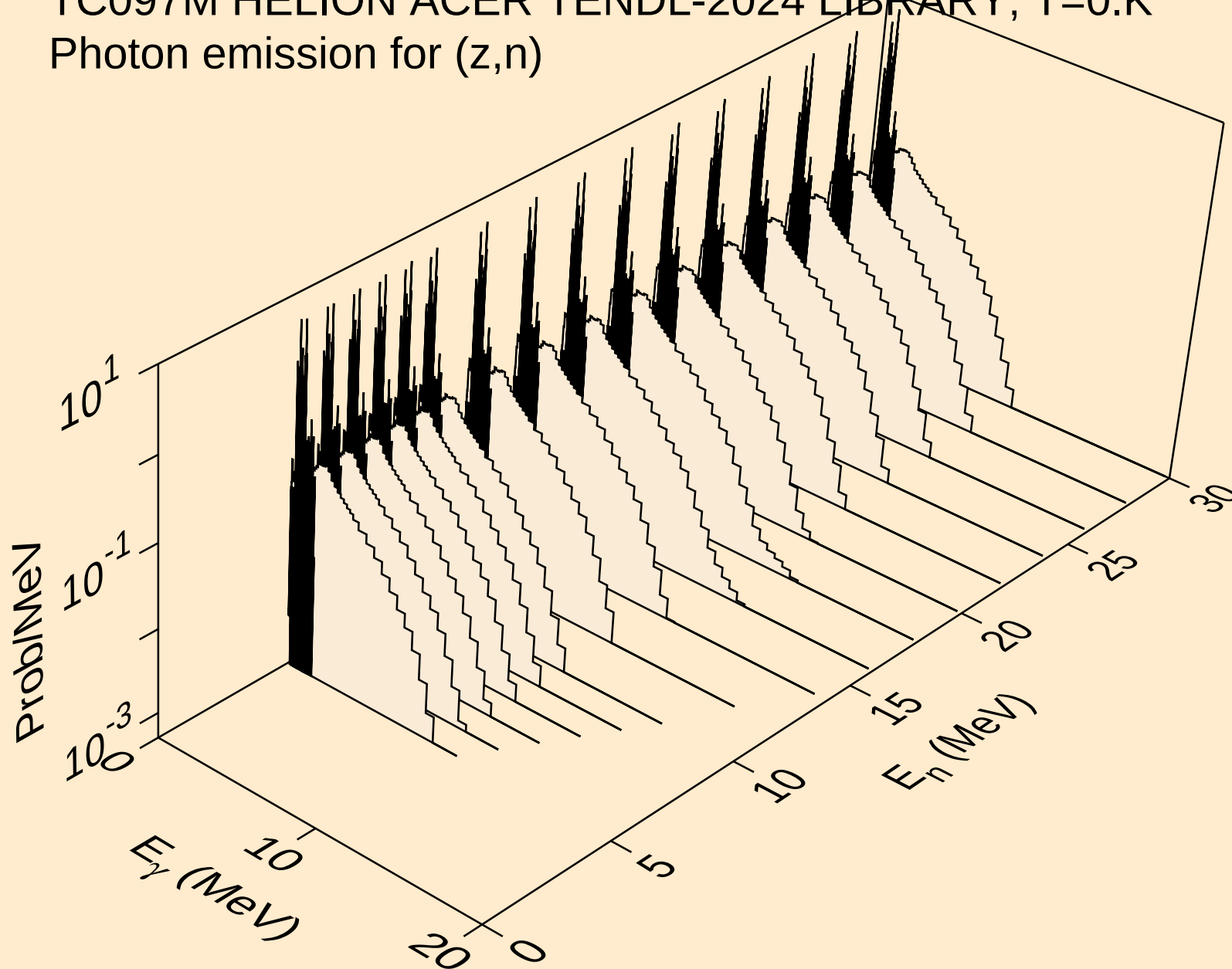


TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for inelastic



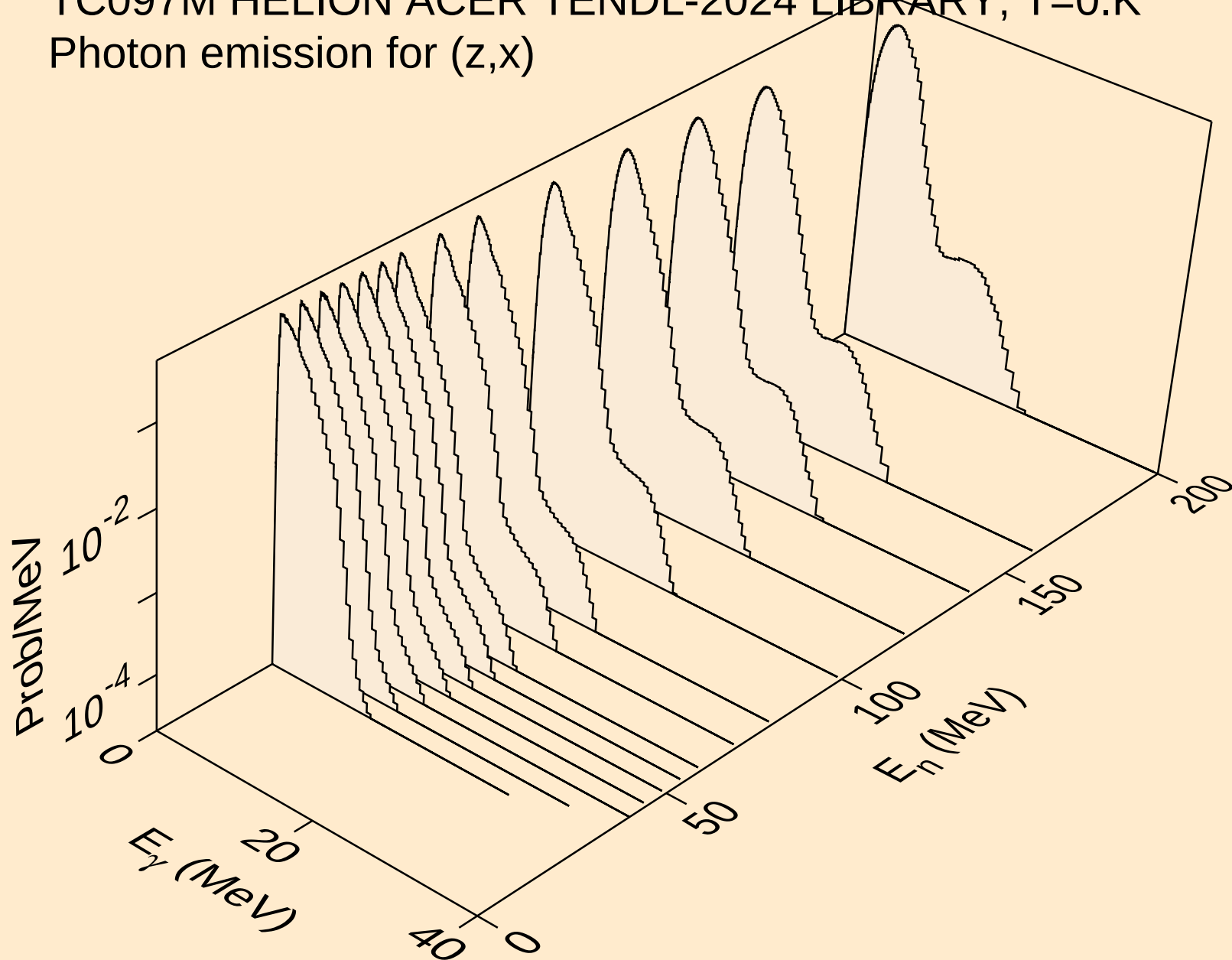


TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,n)

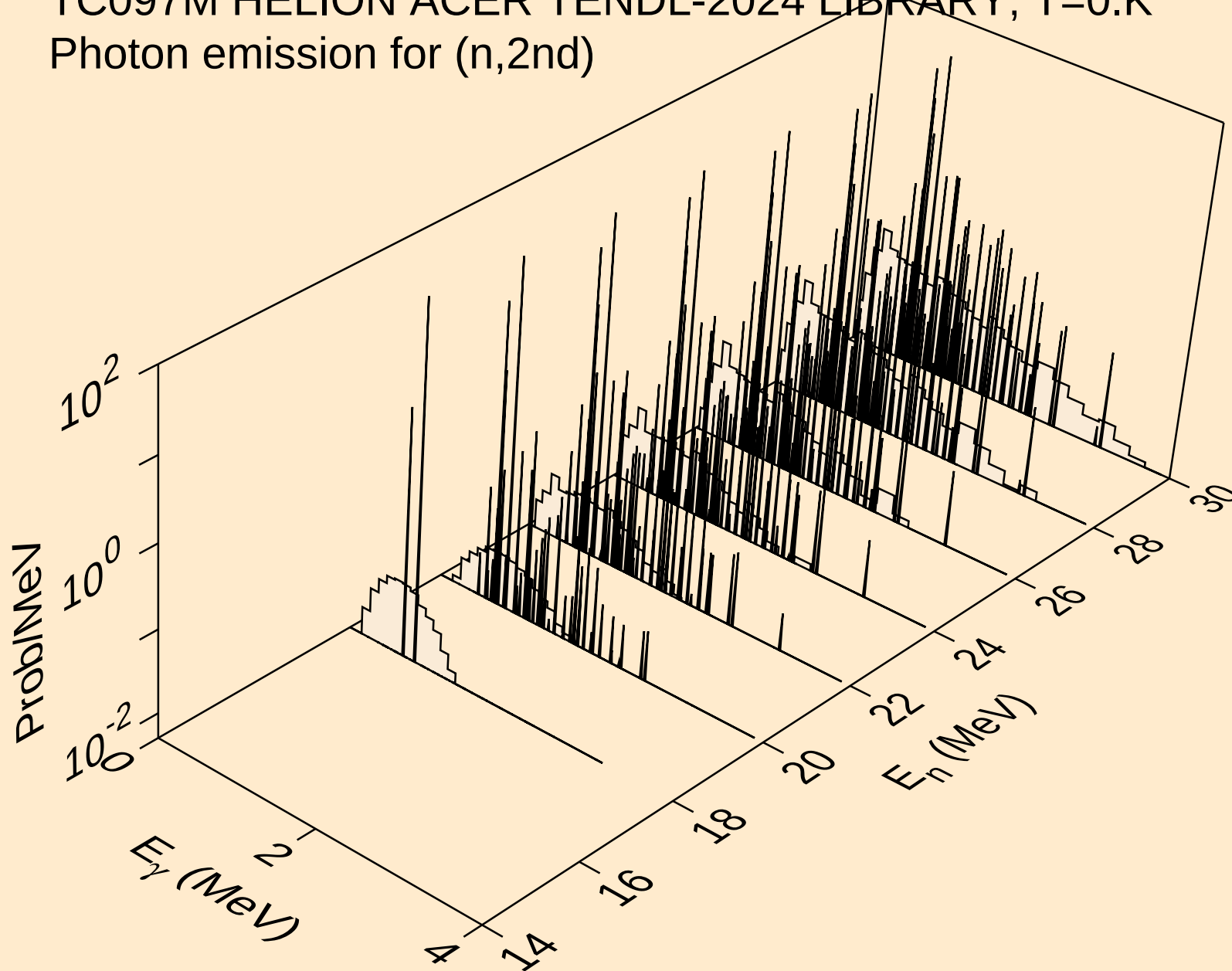


TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K

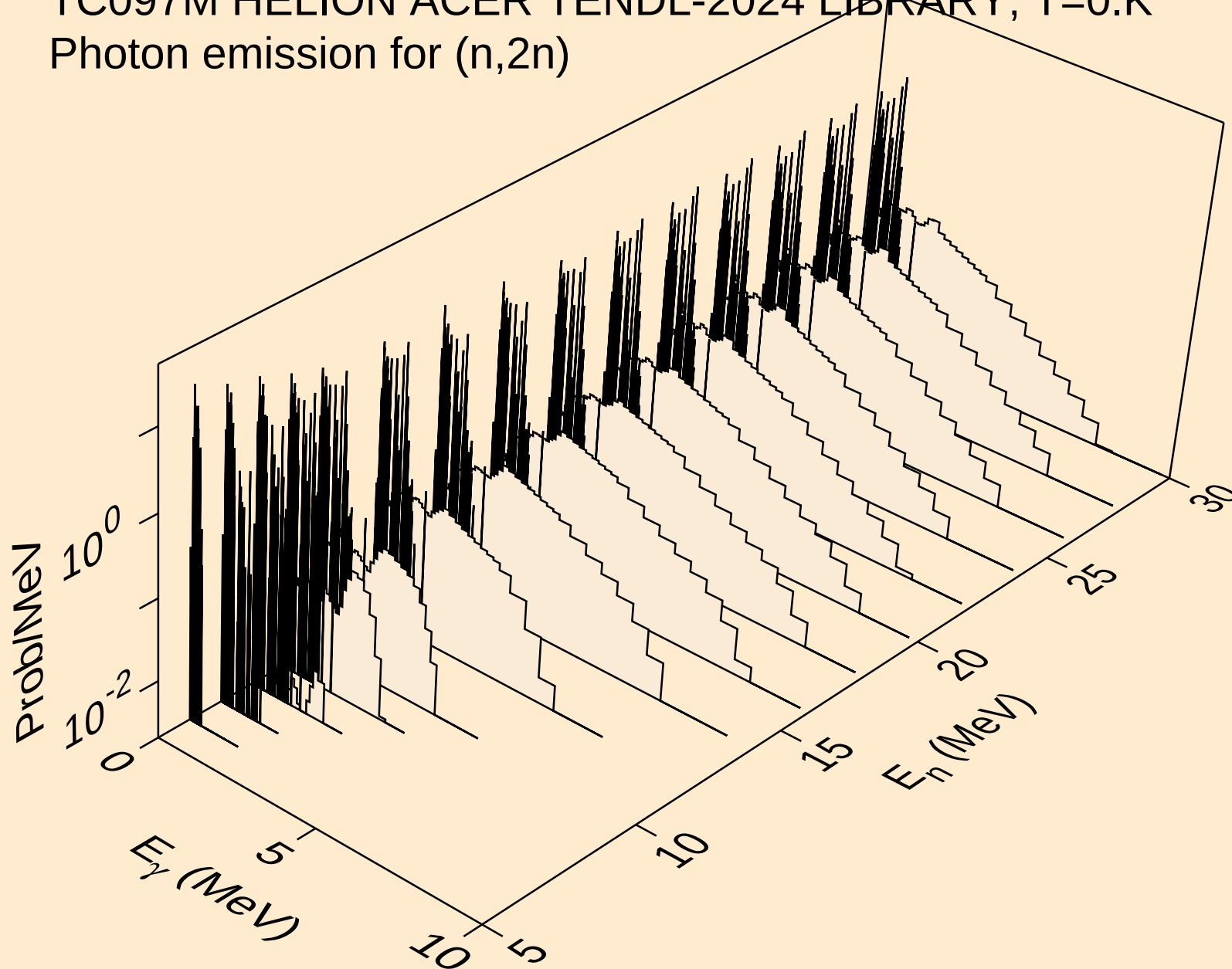
Photon emission for (z,x)



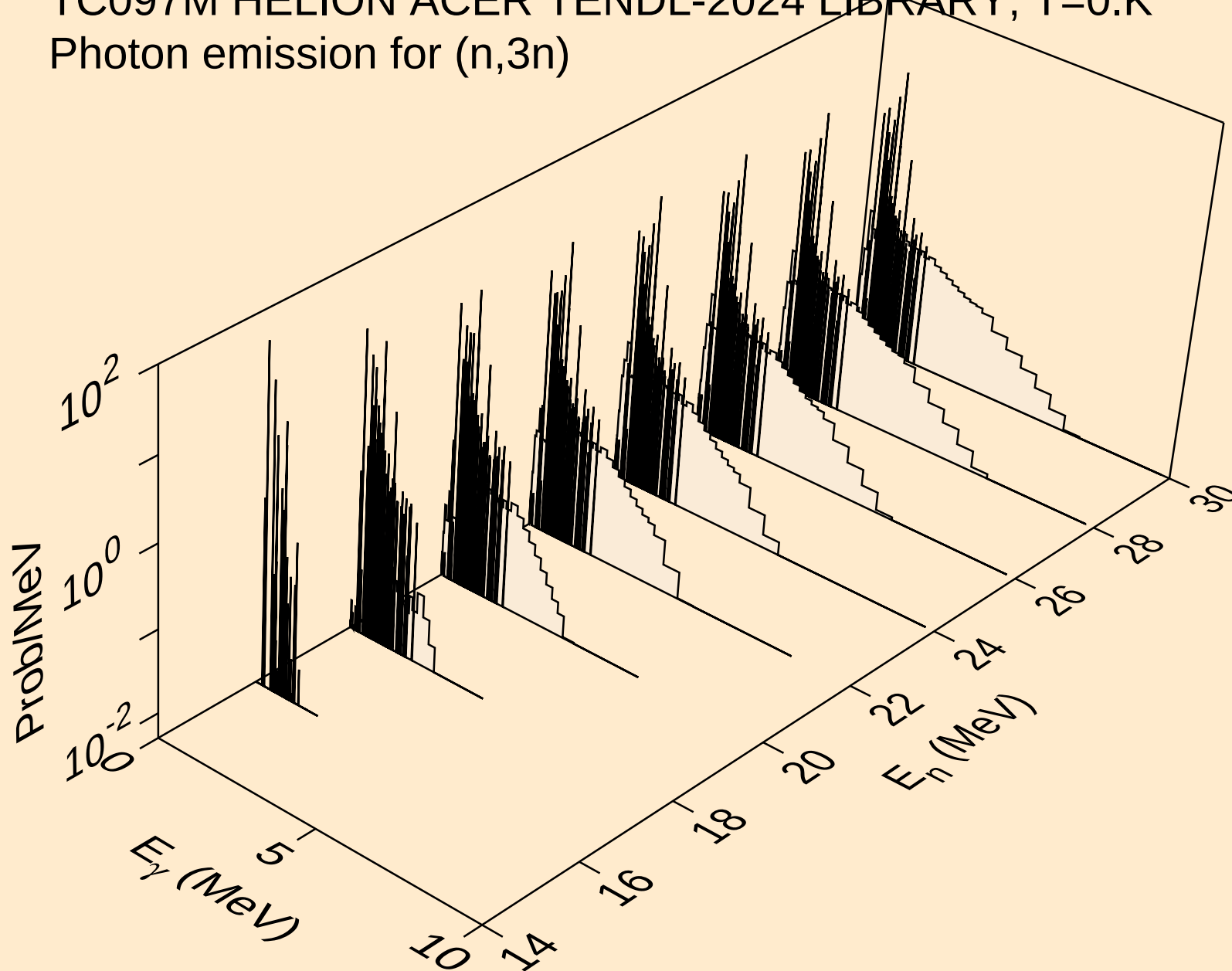
TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



TC097M HELION ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,2n)

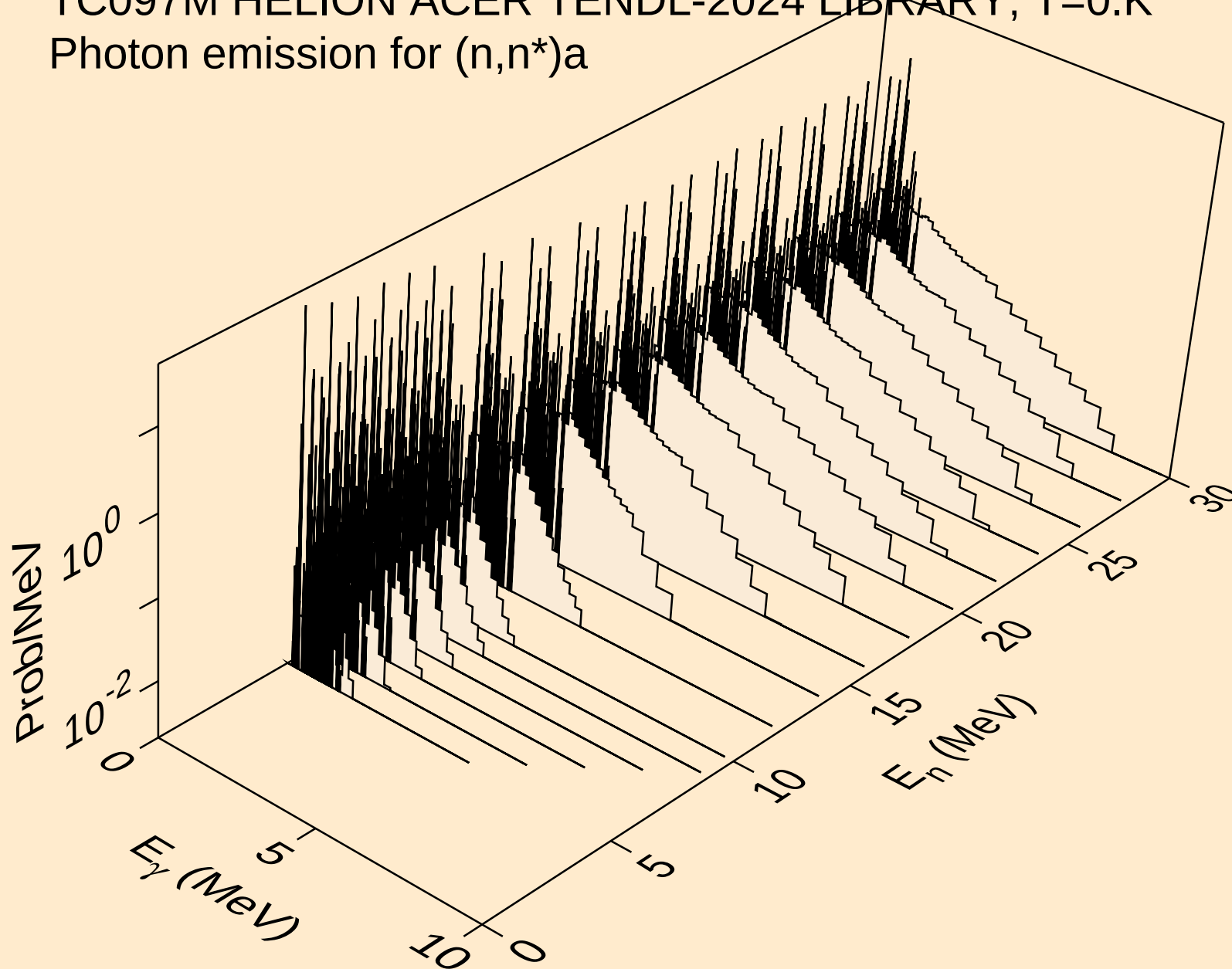


TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



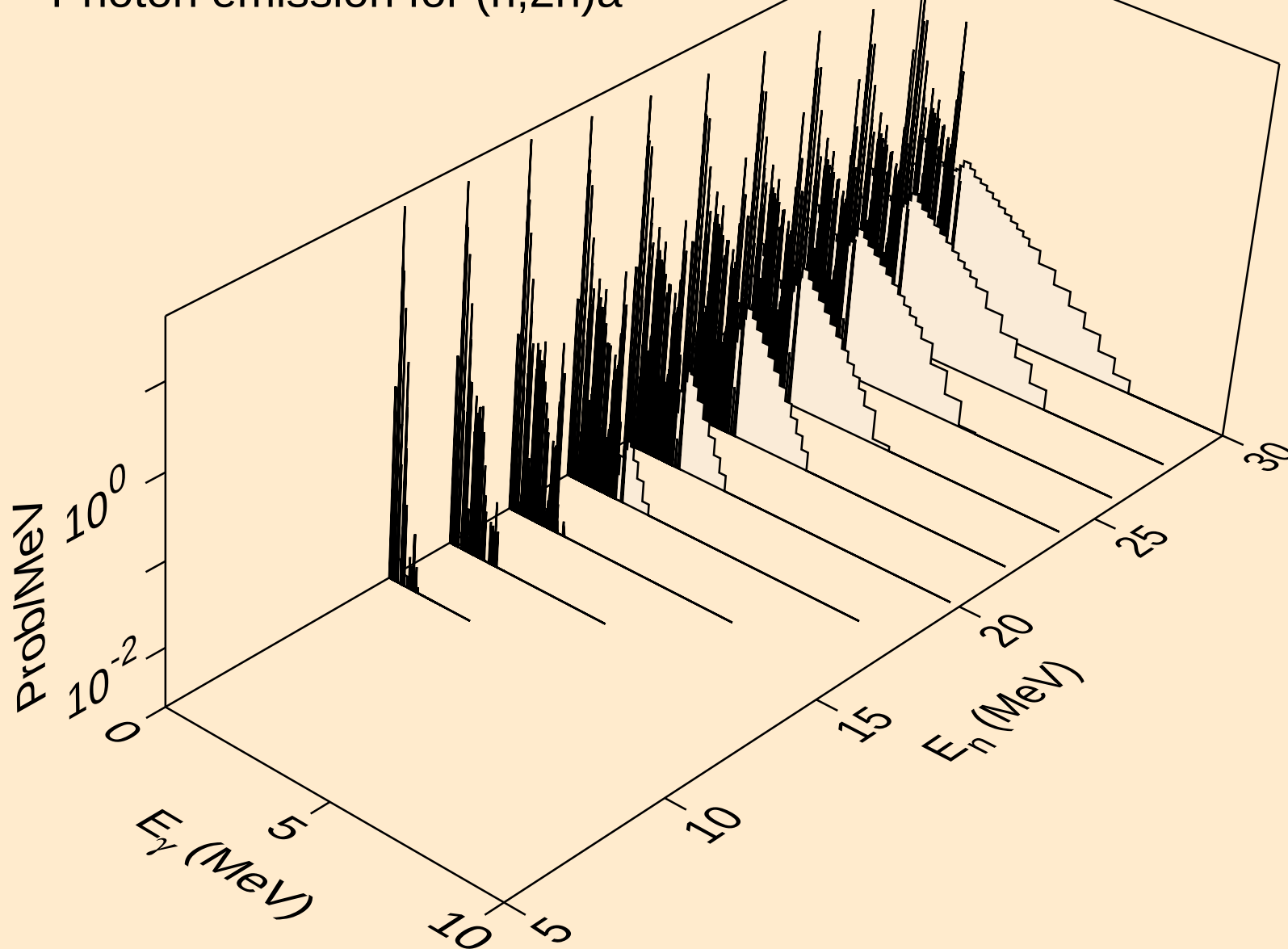
TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)a



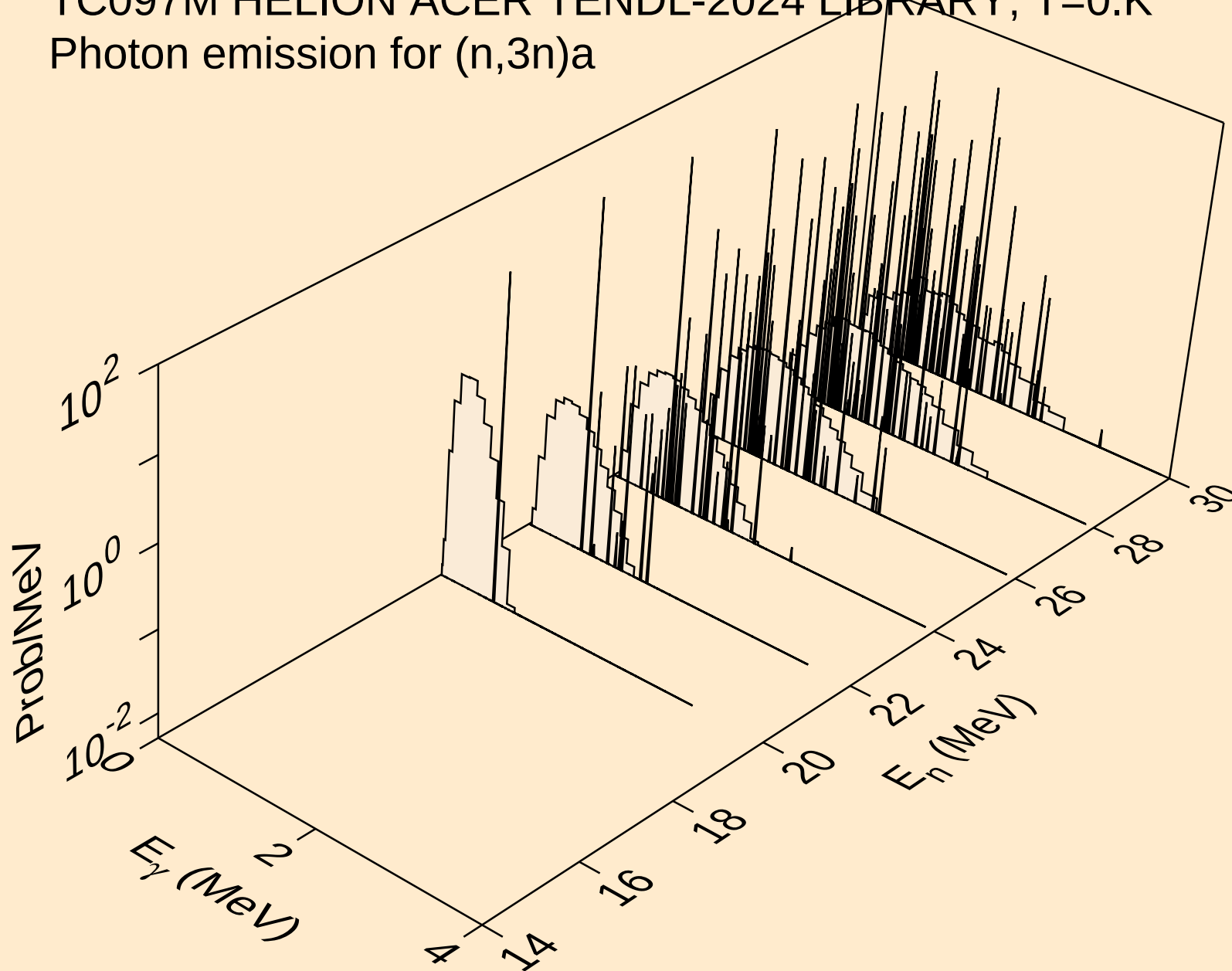
TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,2n) $\alpha$



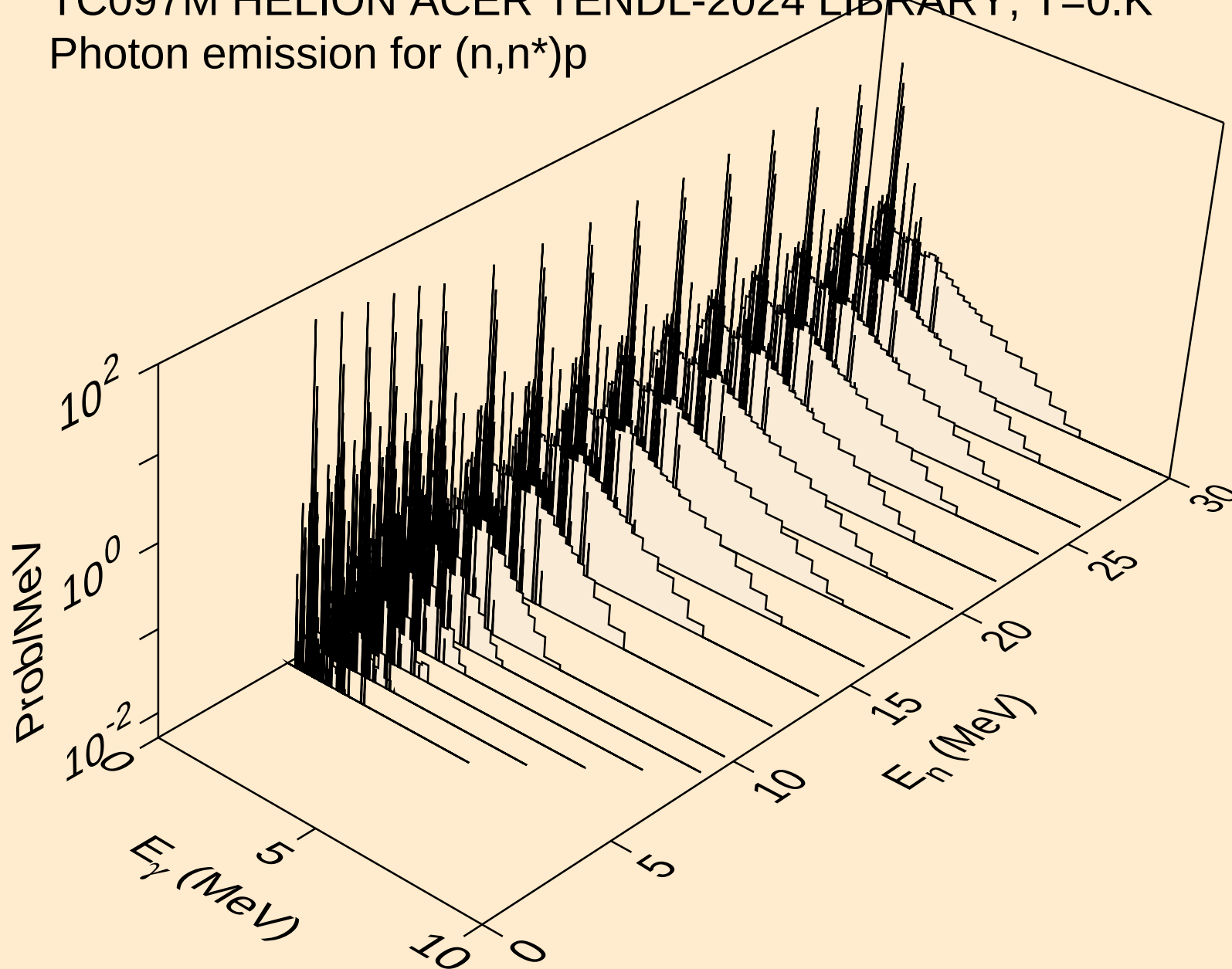
TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,3n)a

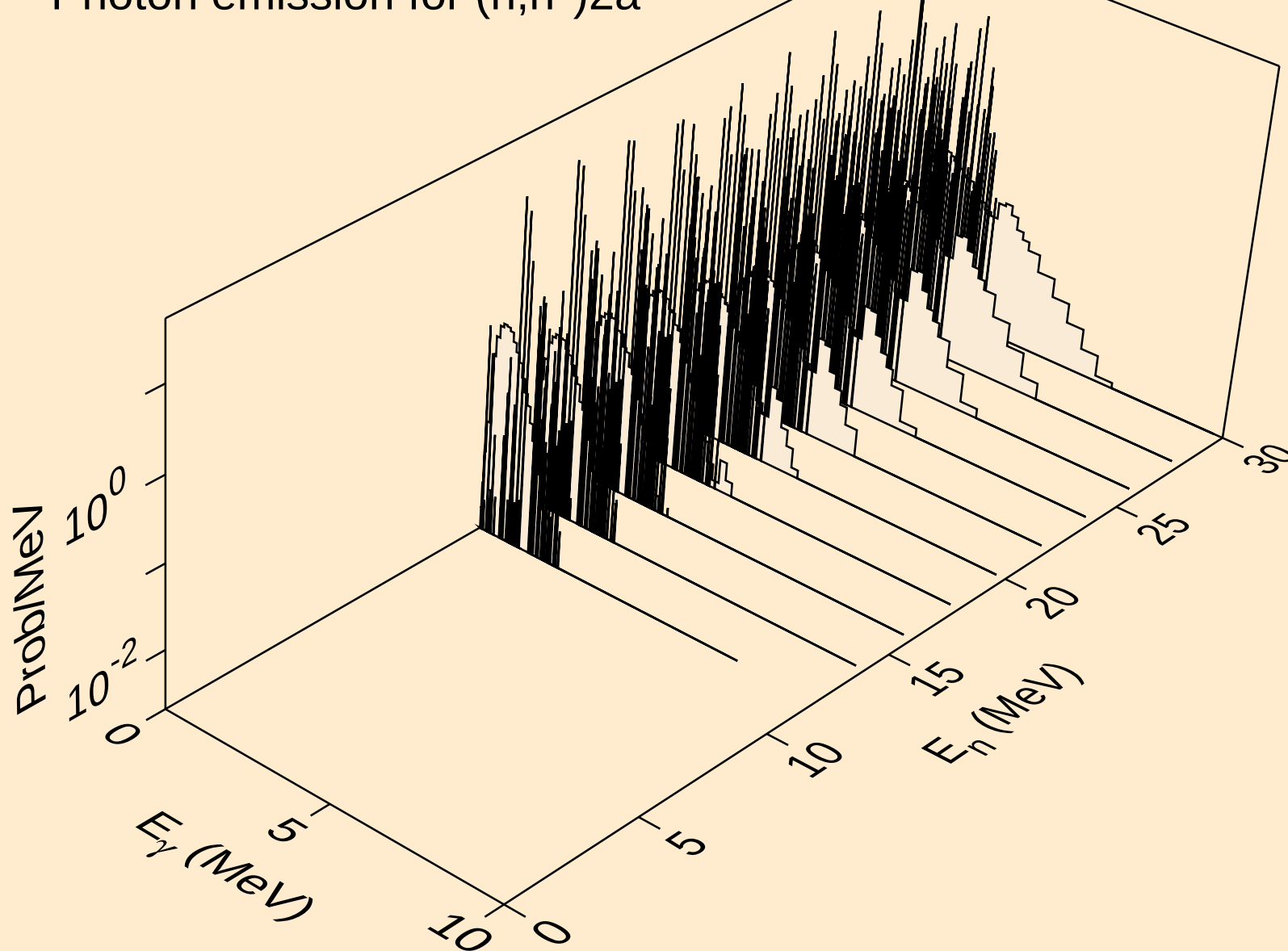




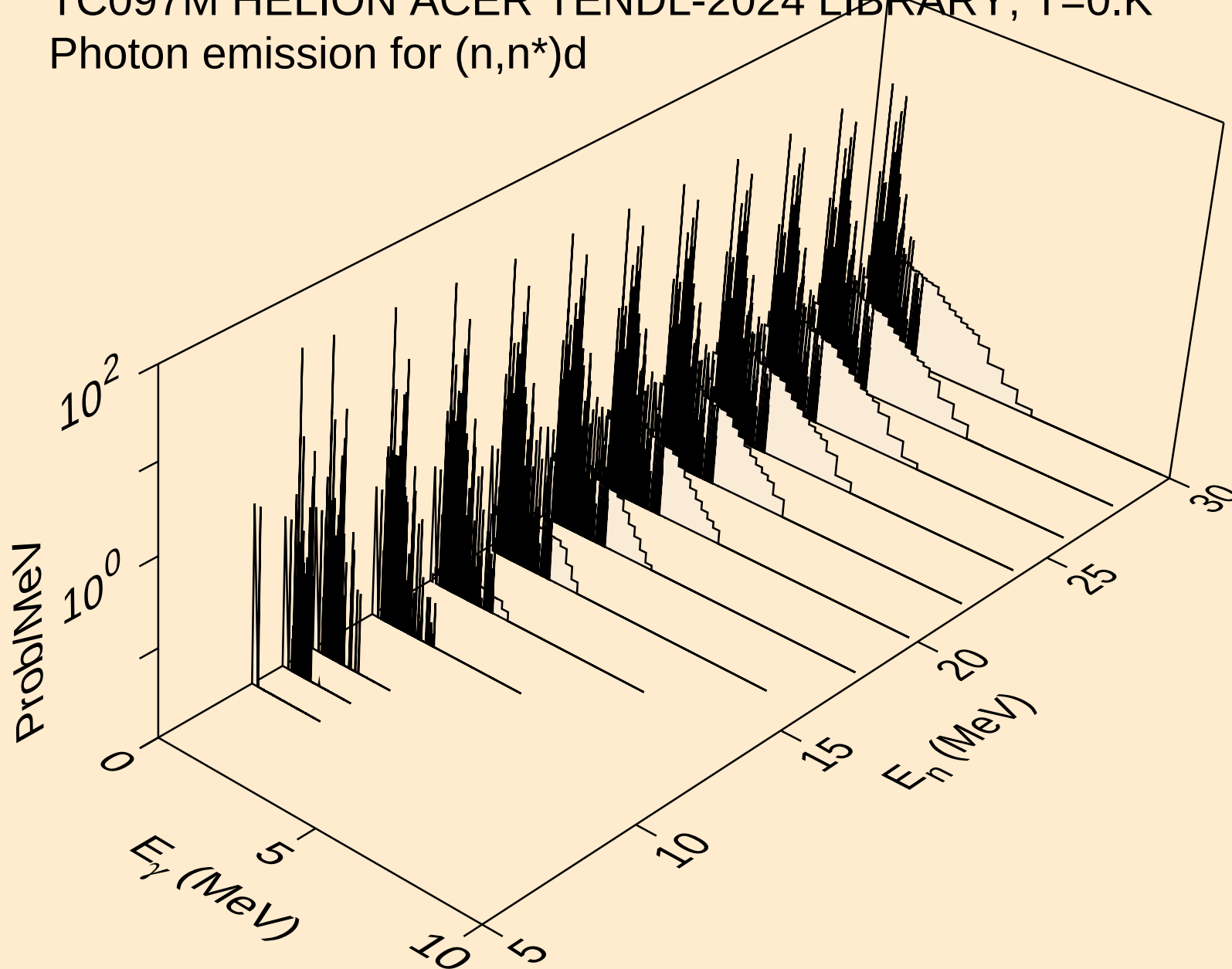
TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

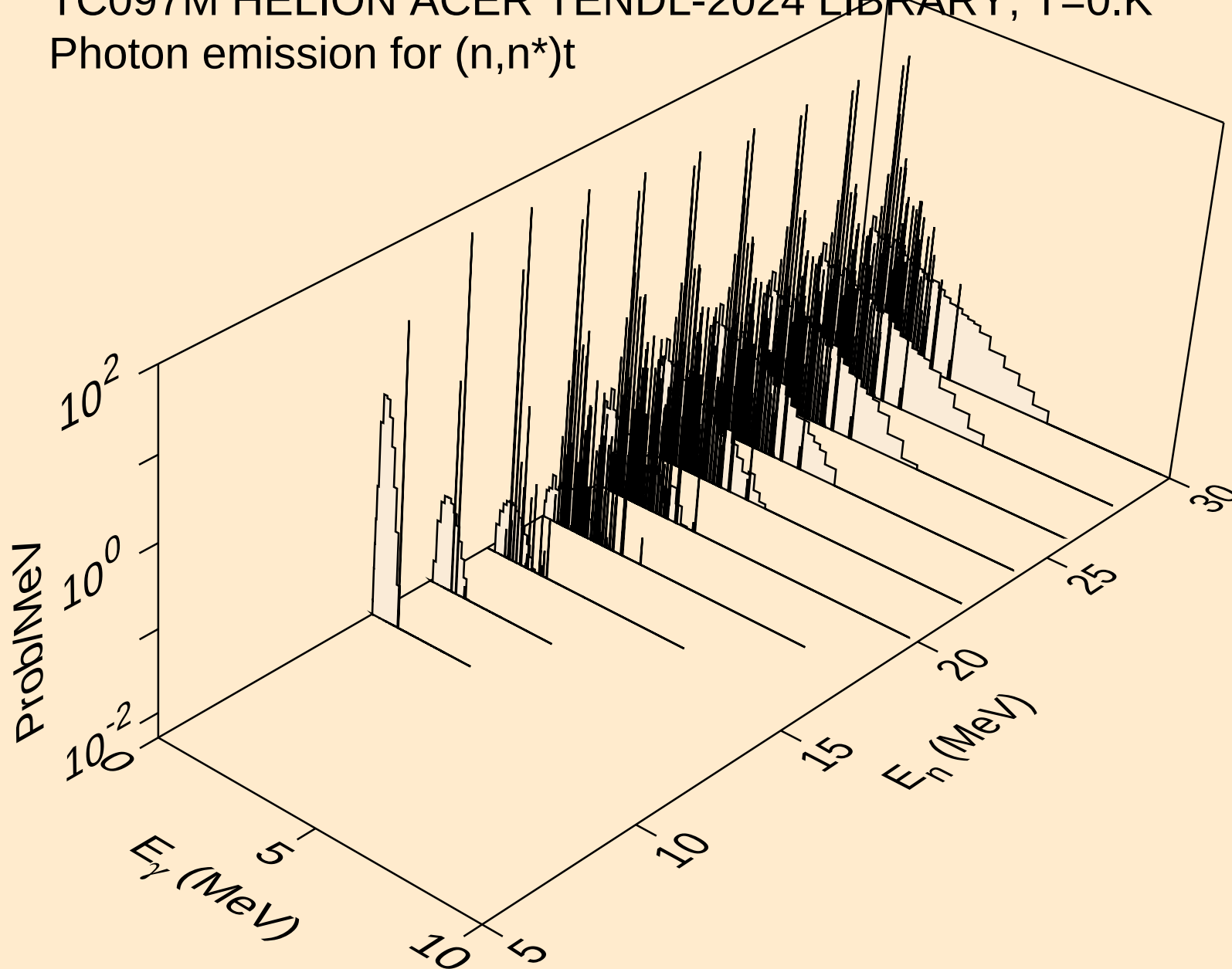


TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

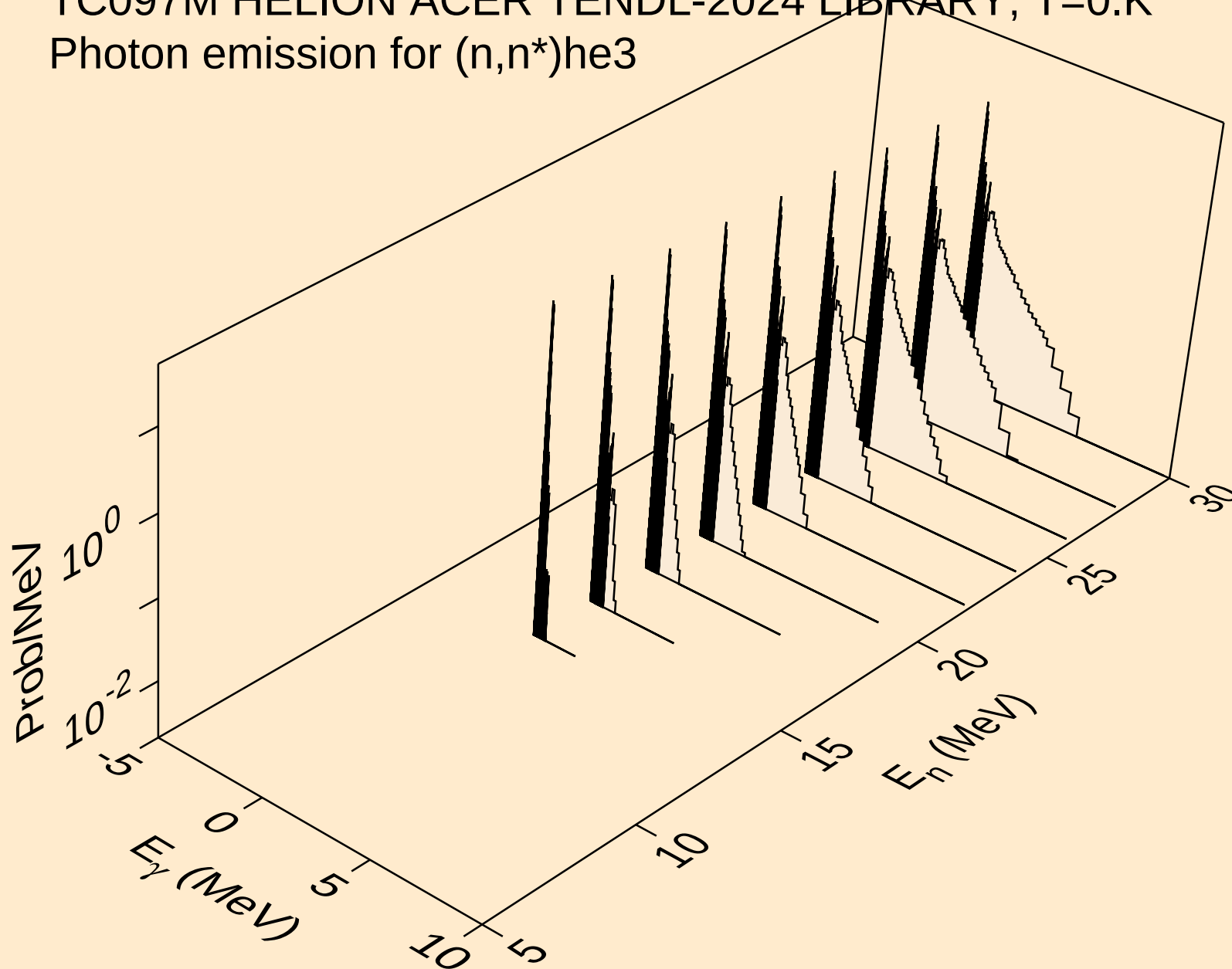


TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K

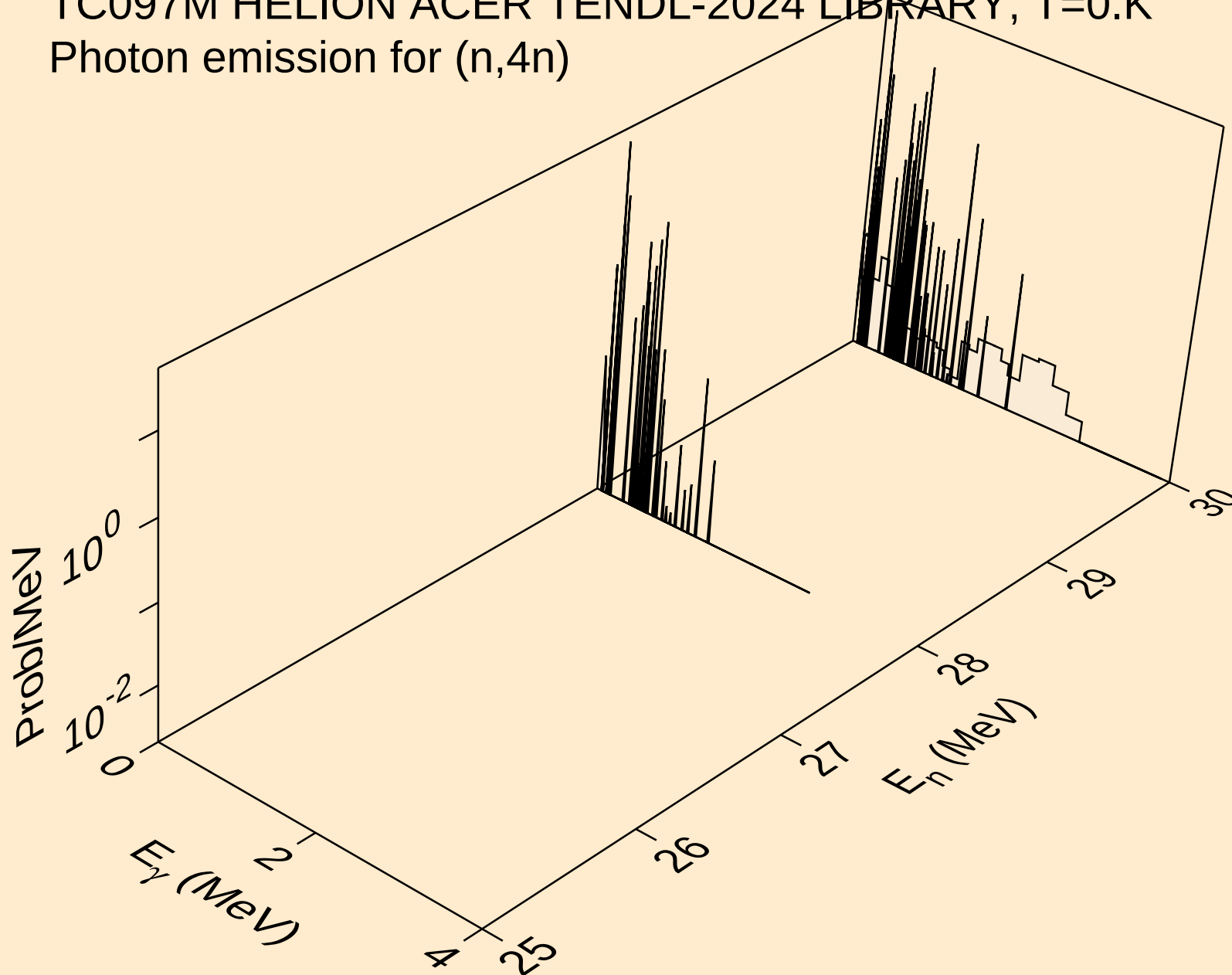
Photon emission for (n,n\*)t



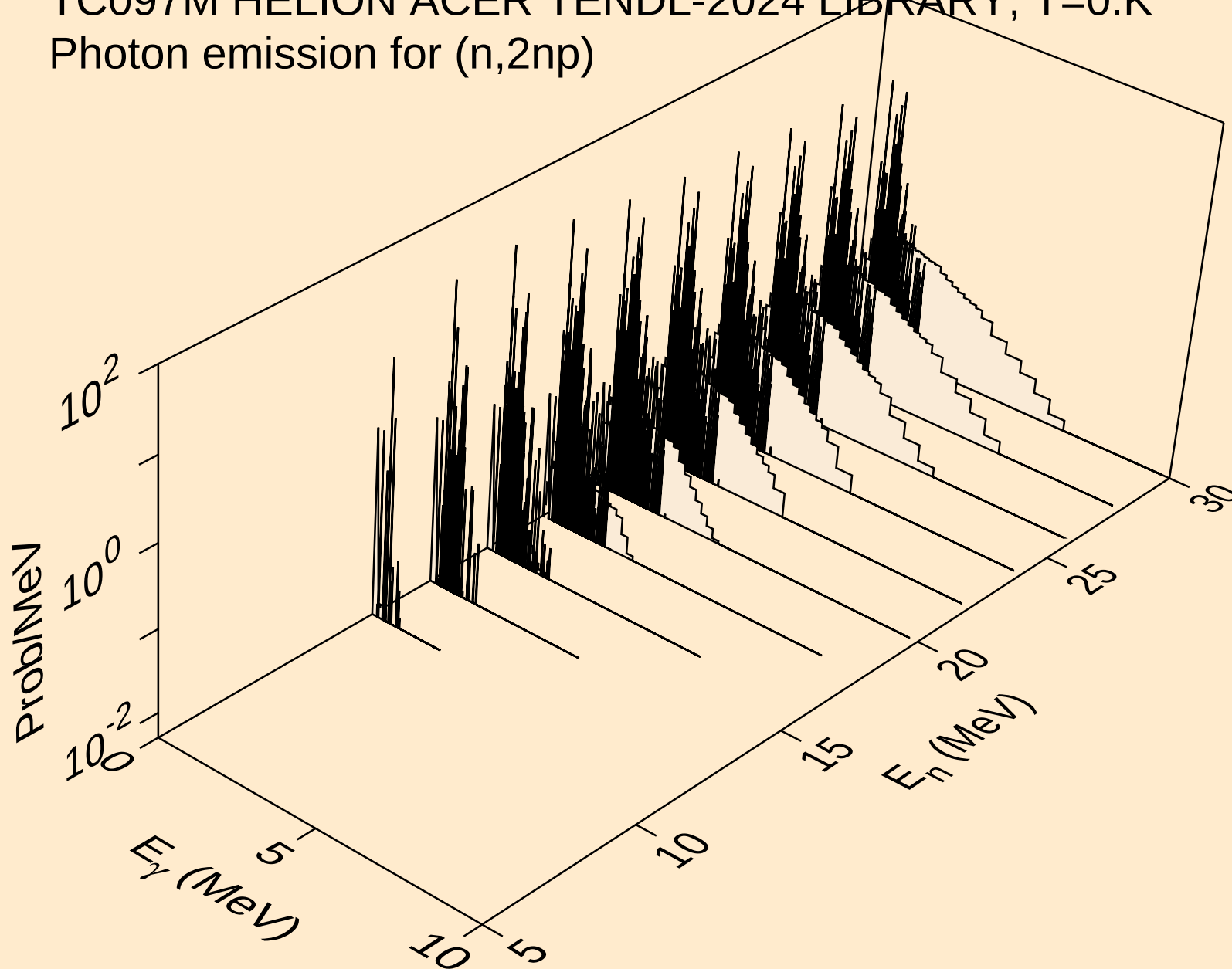
TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



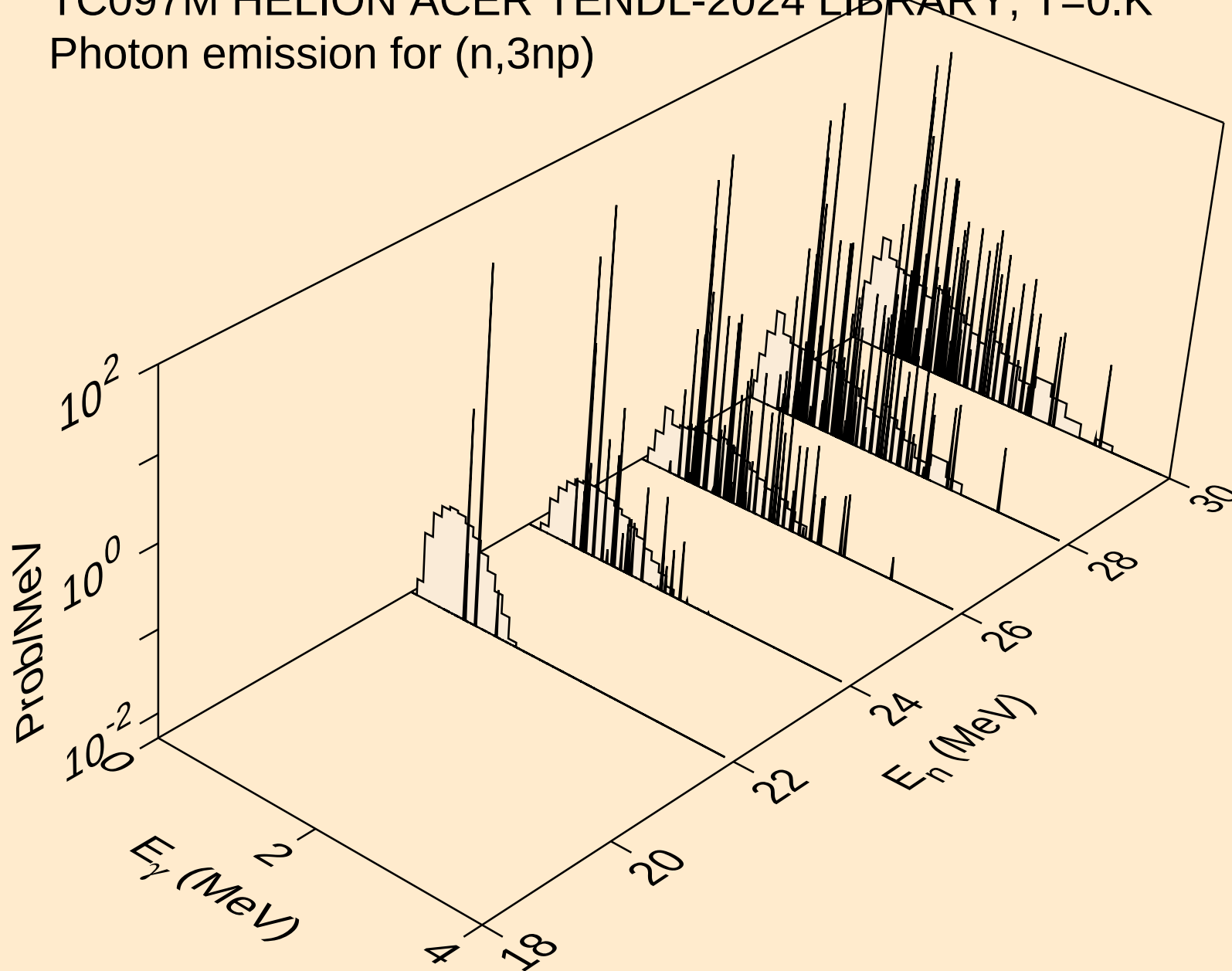
TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)

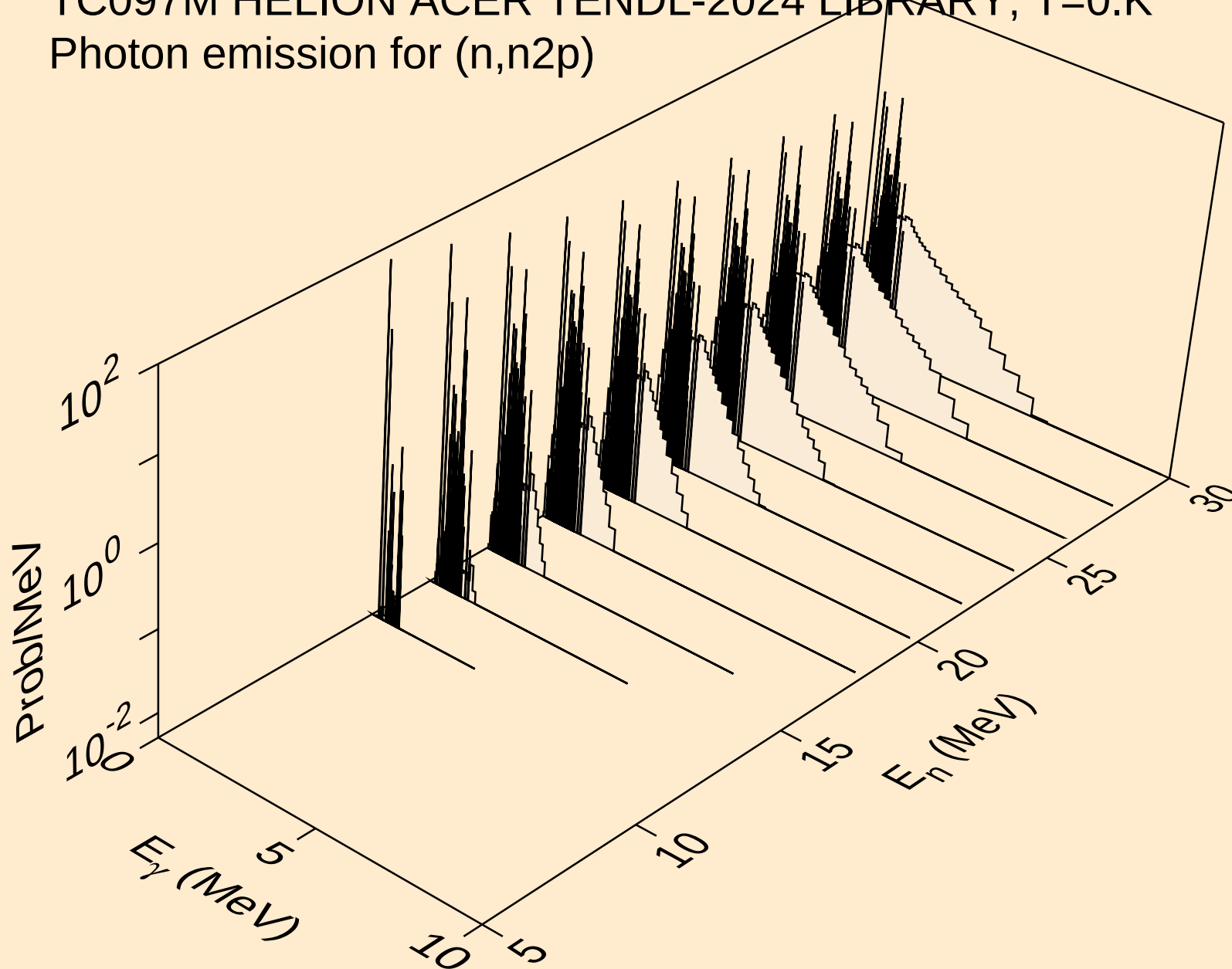


TC097M HELION ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,3np)

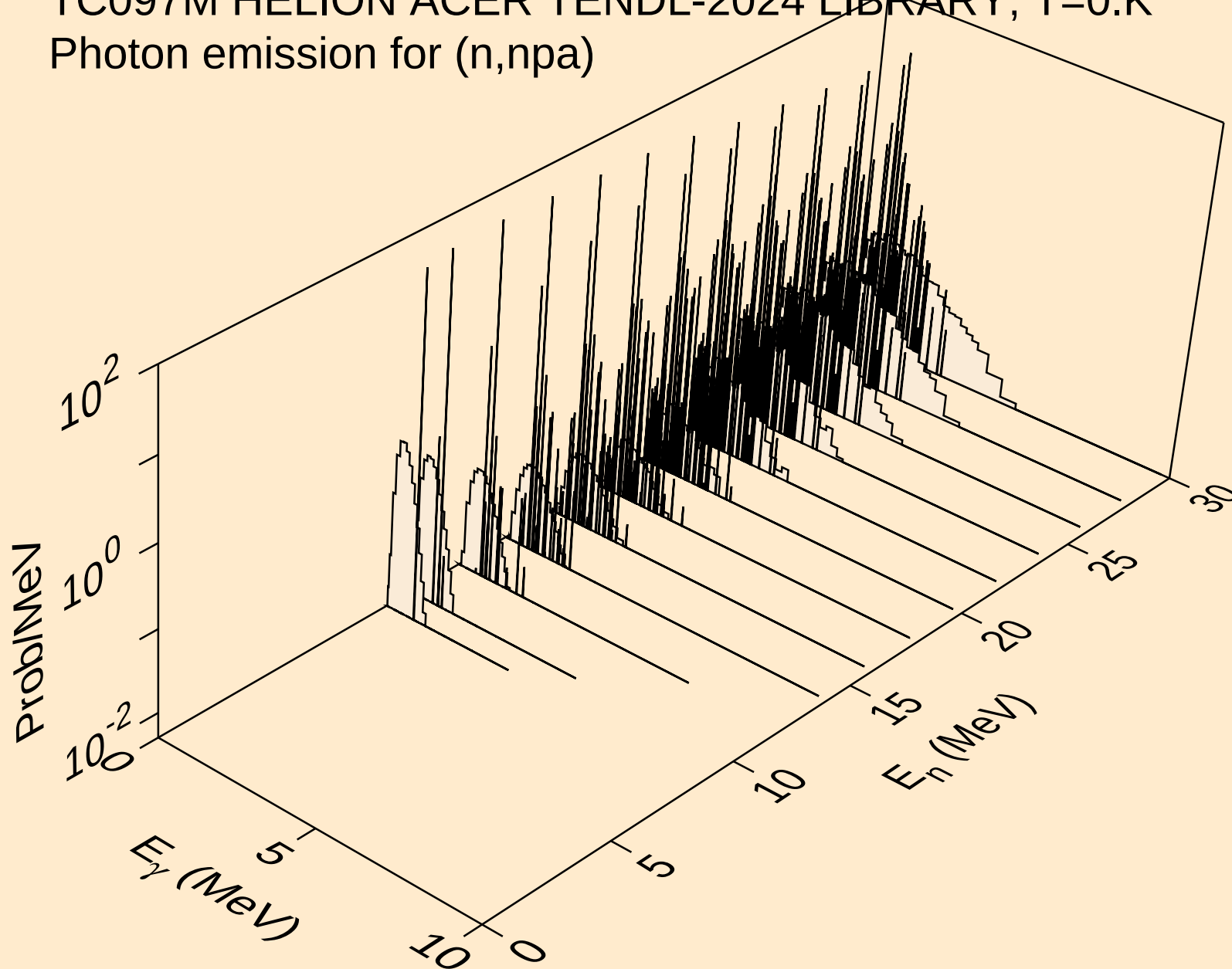




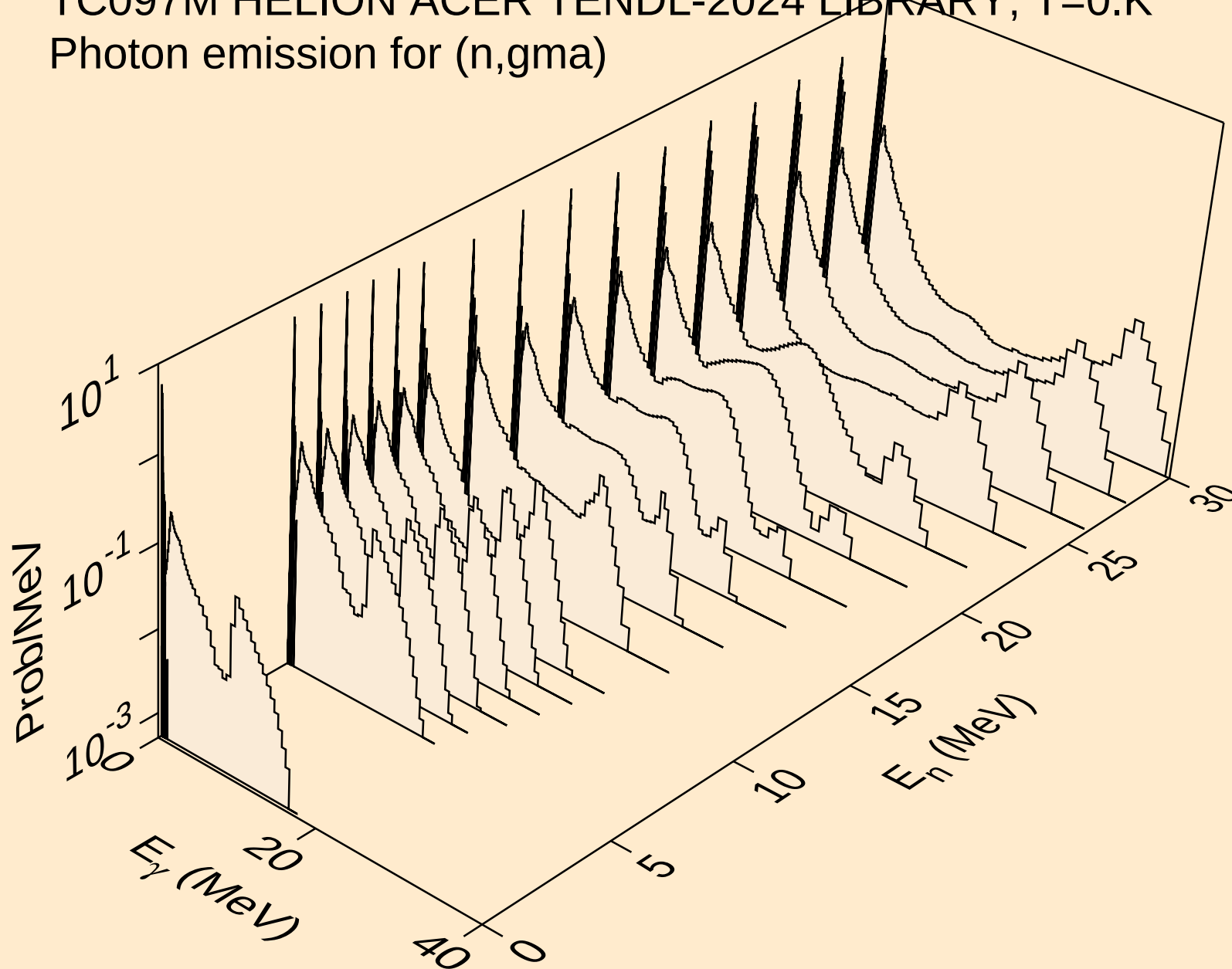
TC097M HELION ACER TENDL-2024 LIBRARY;  $T=0.K$   
Photon emission for (n,n2p)



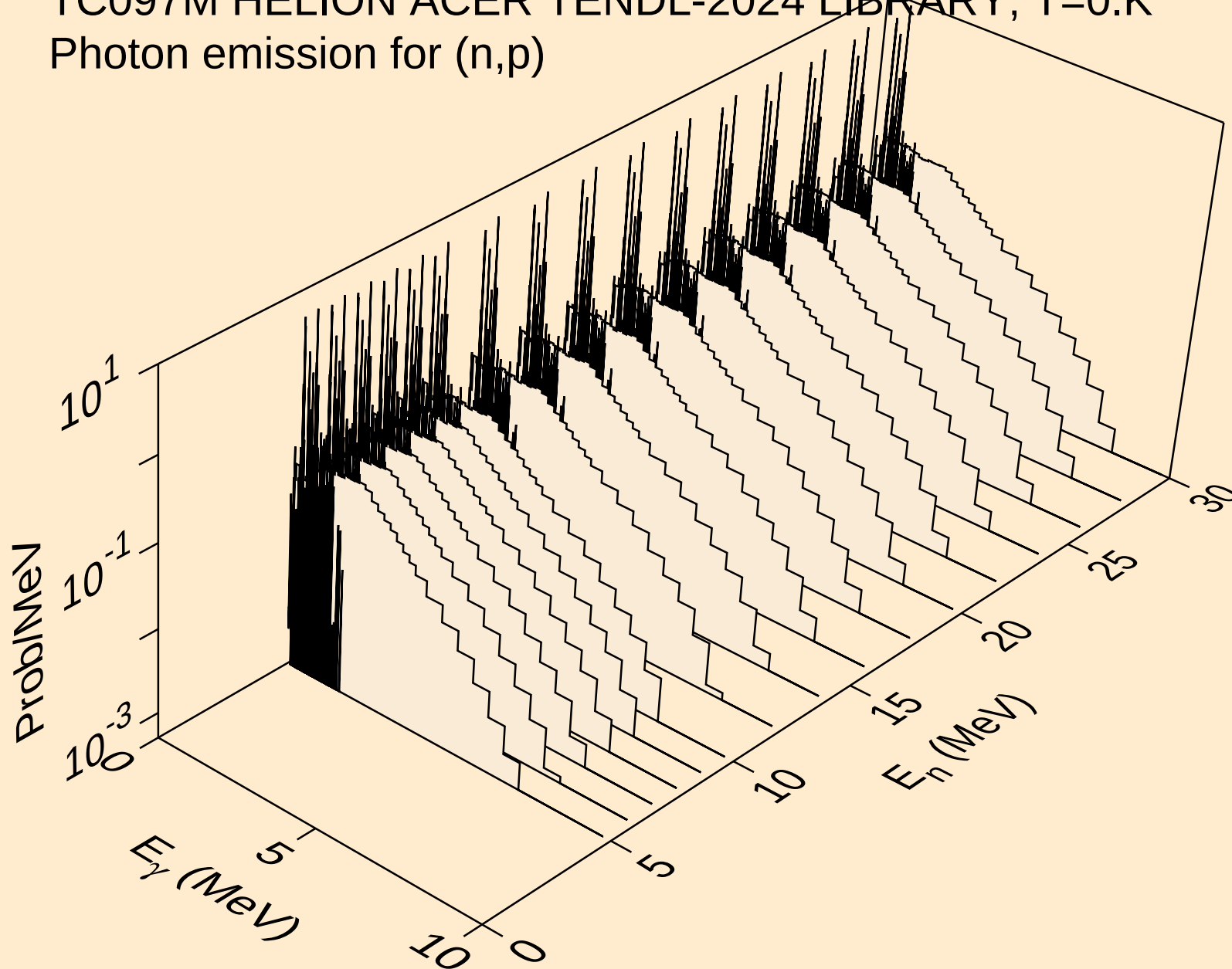
TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



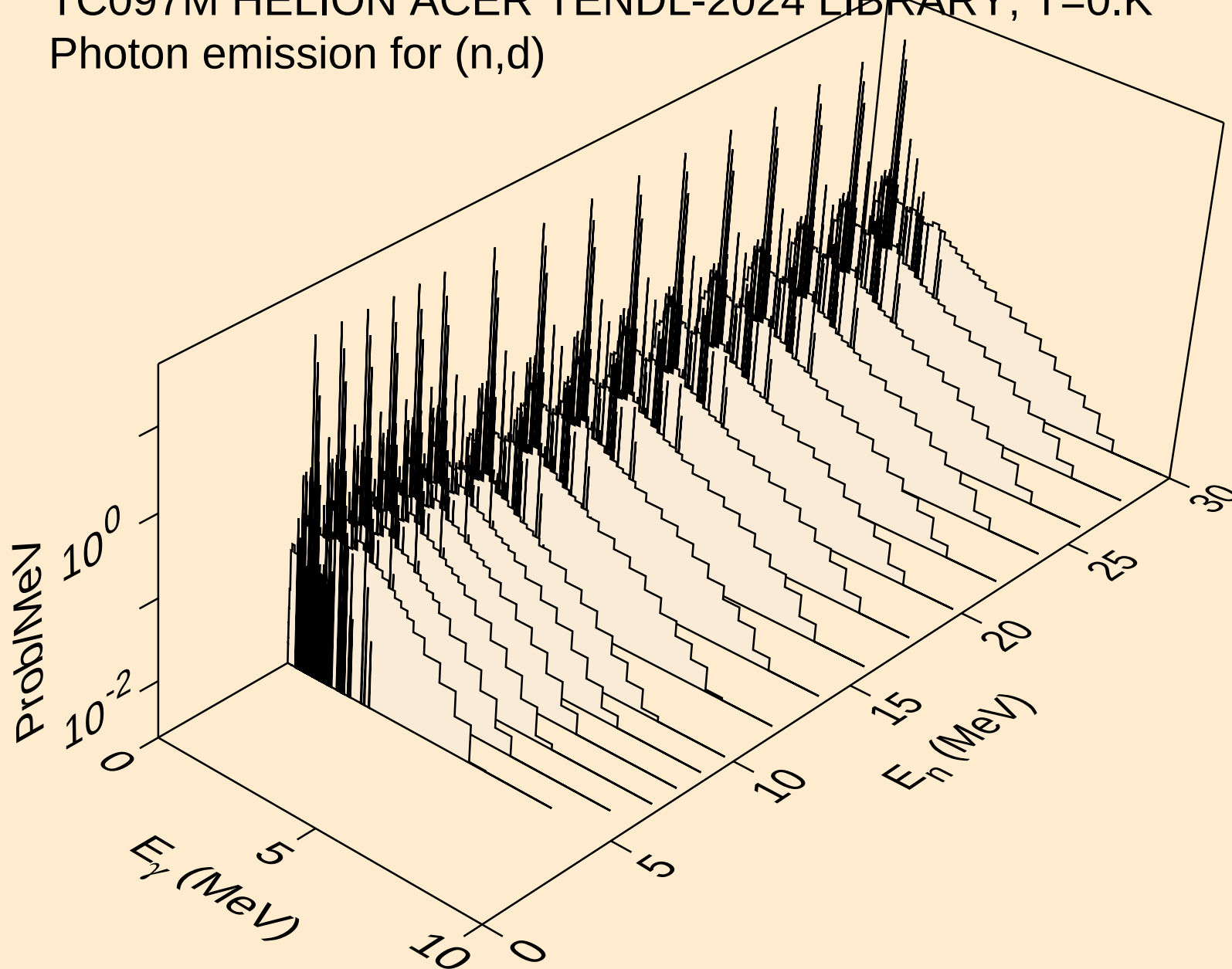
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Photon emission for (n,gma)



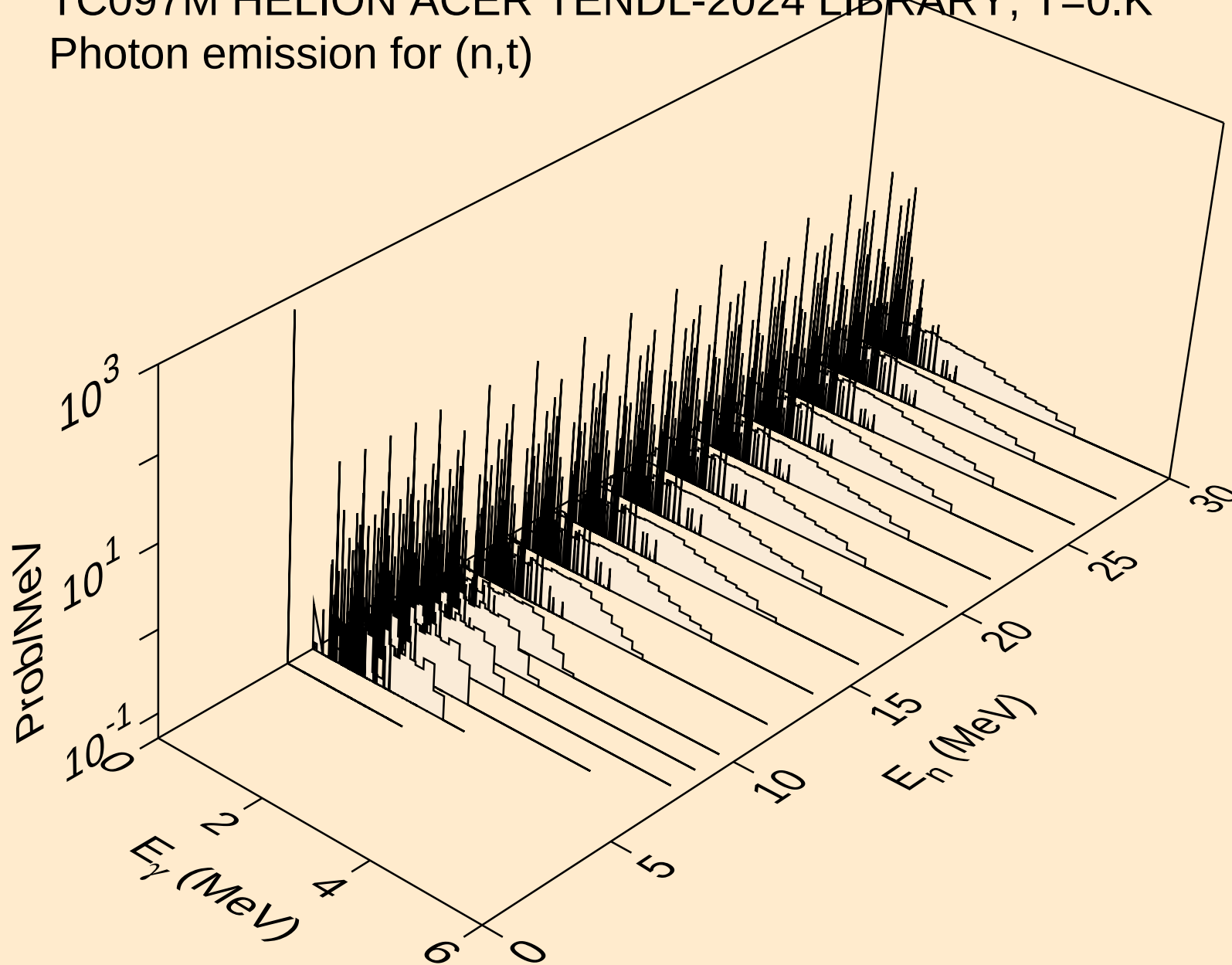
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Photon emission for (n,p)



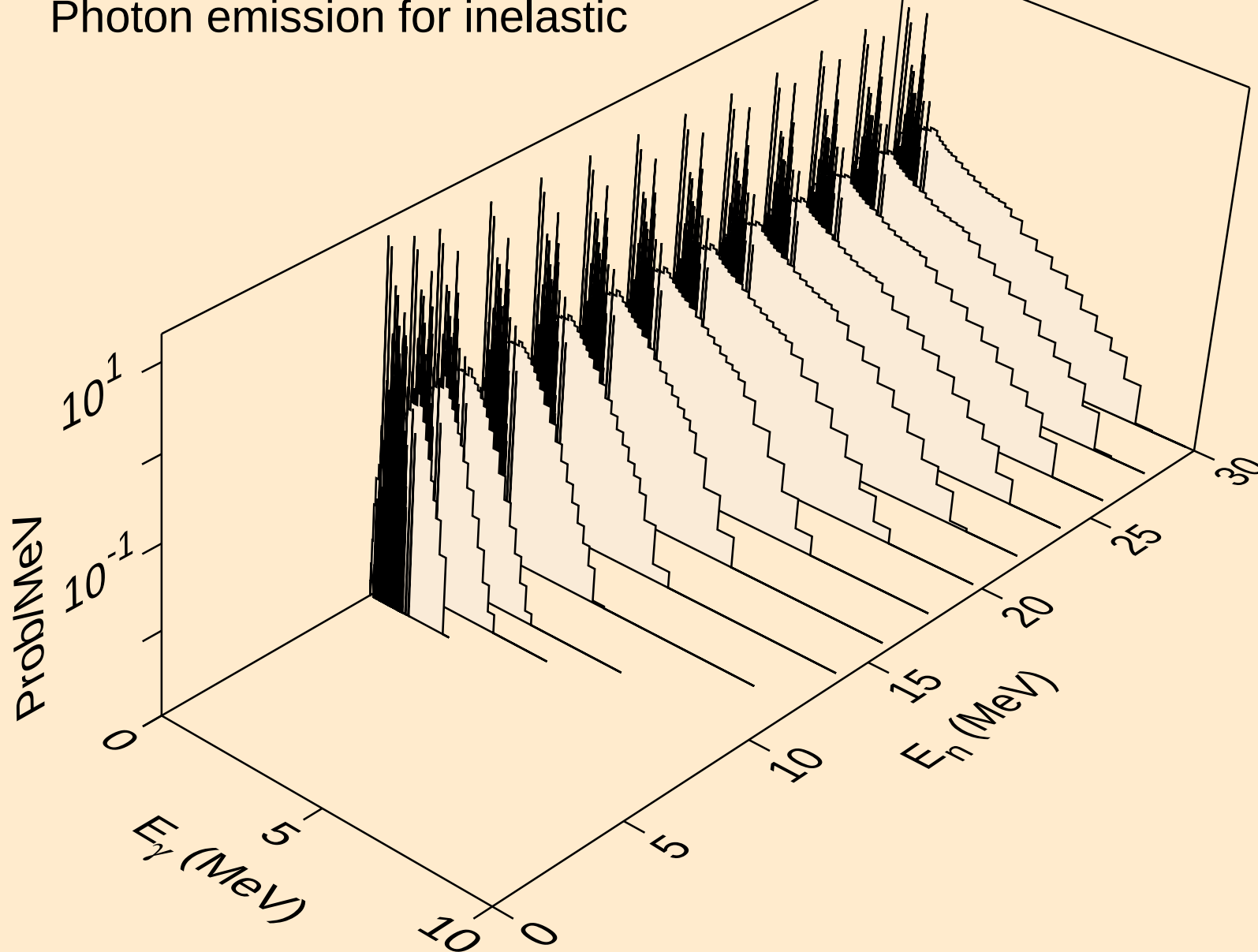
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Photon emission for (n,d)



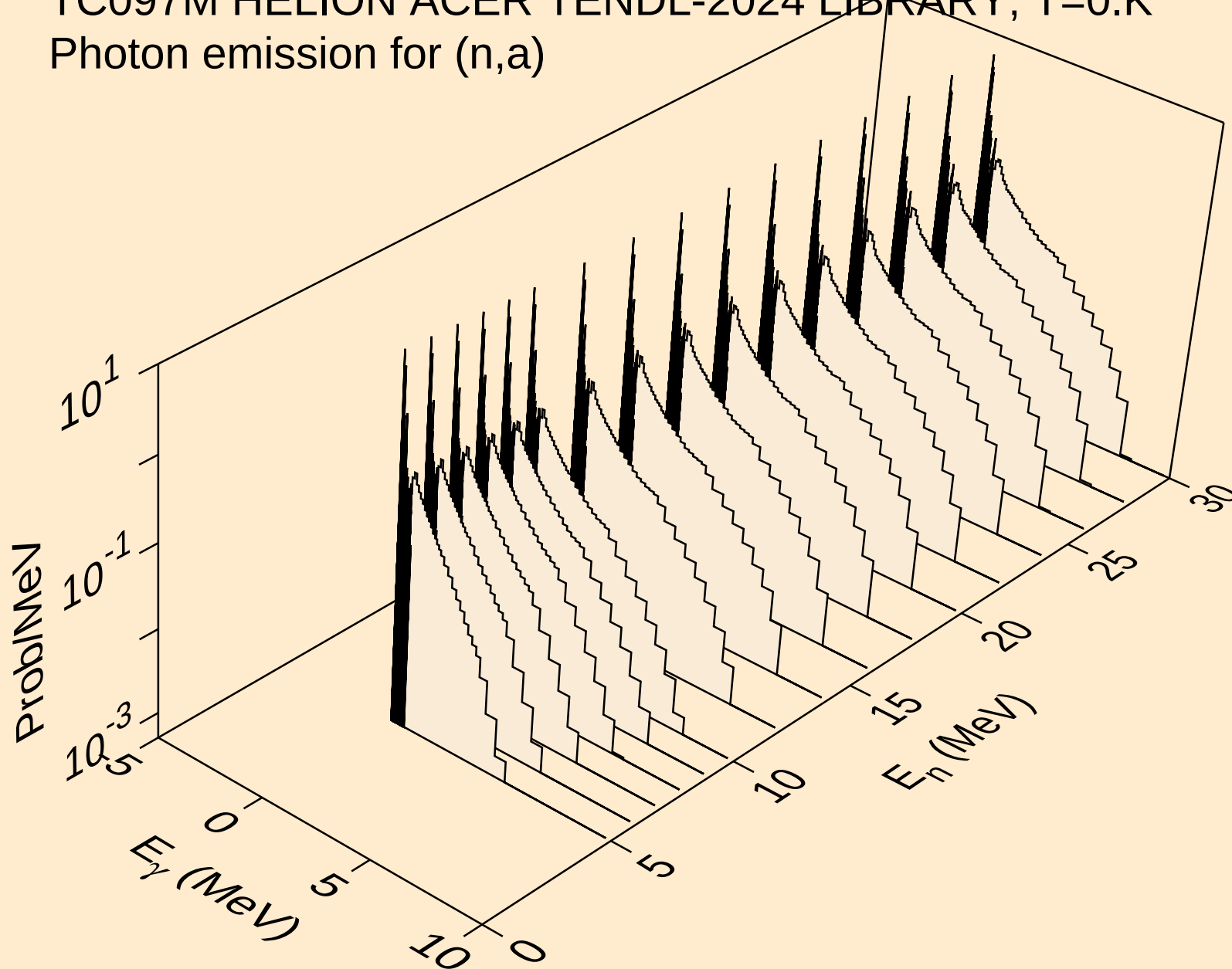
TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for inelastic

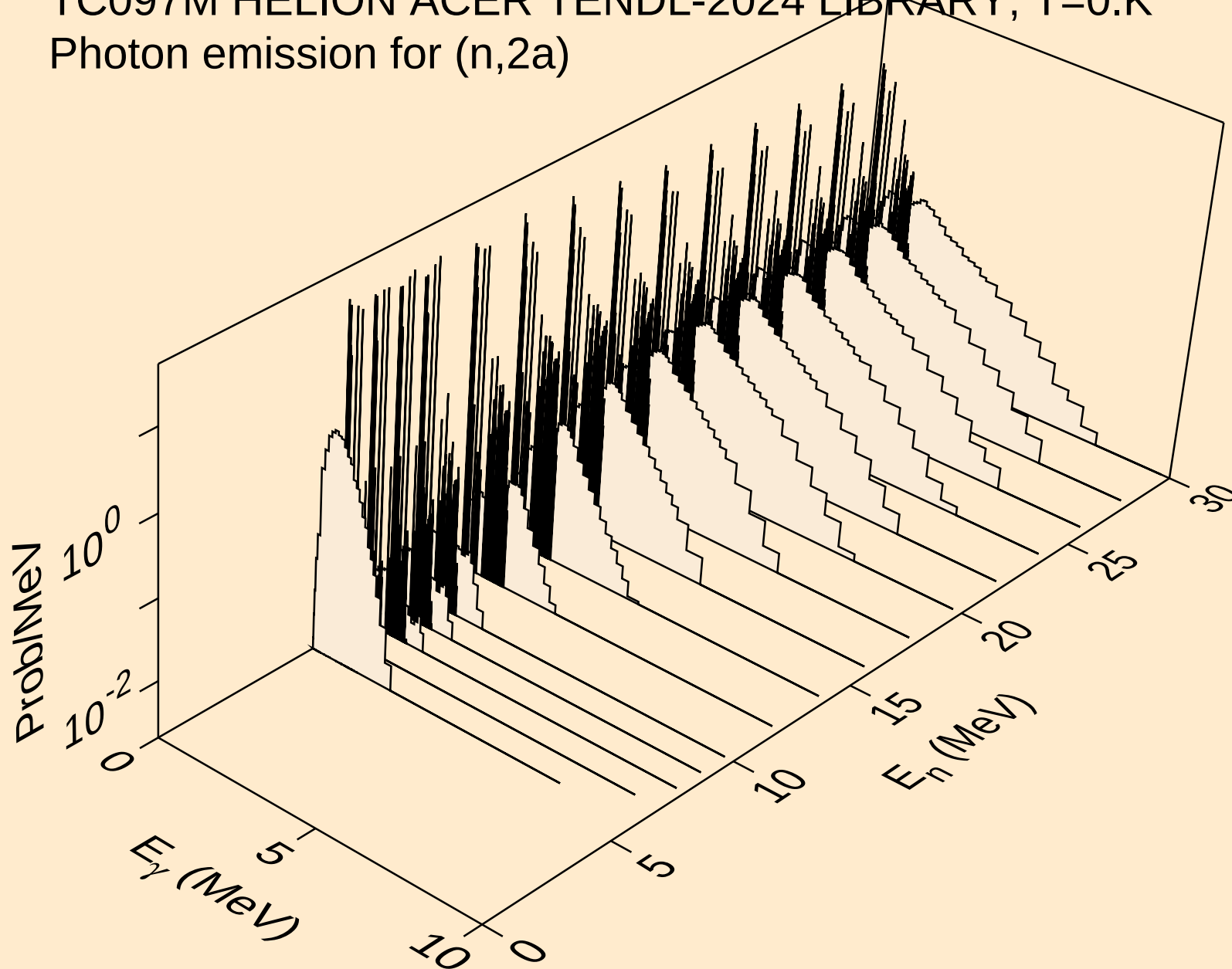


TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)

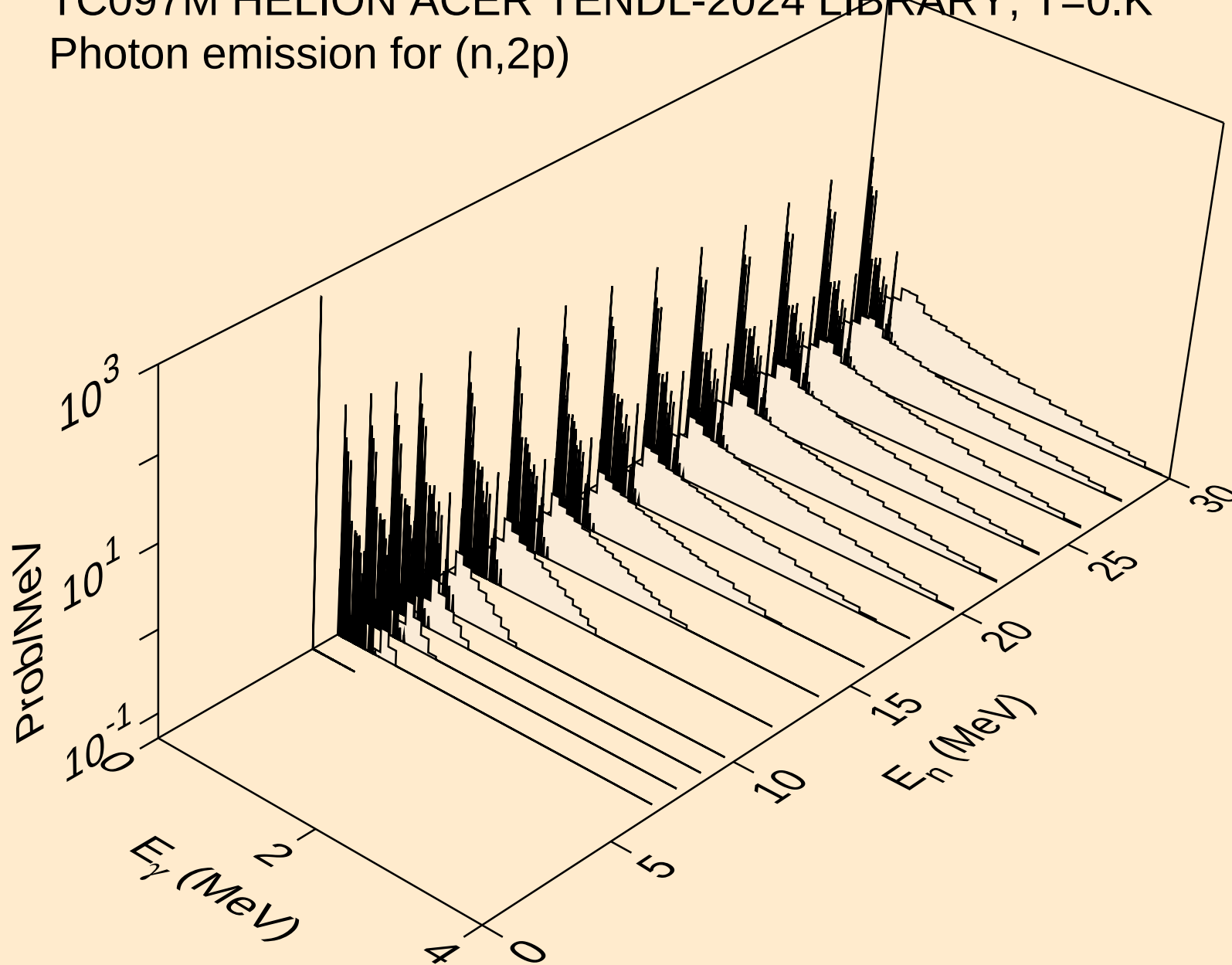




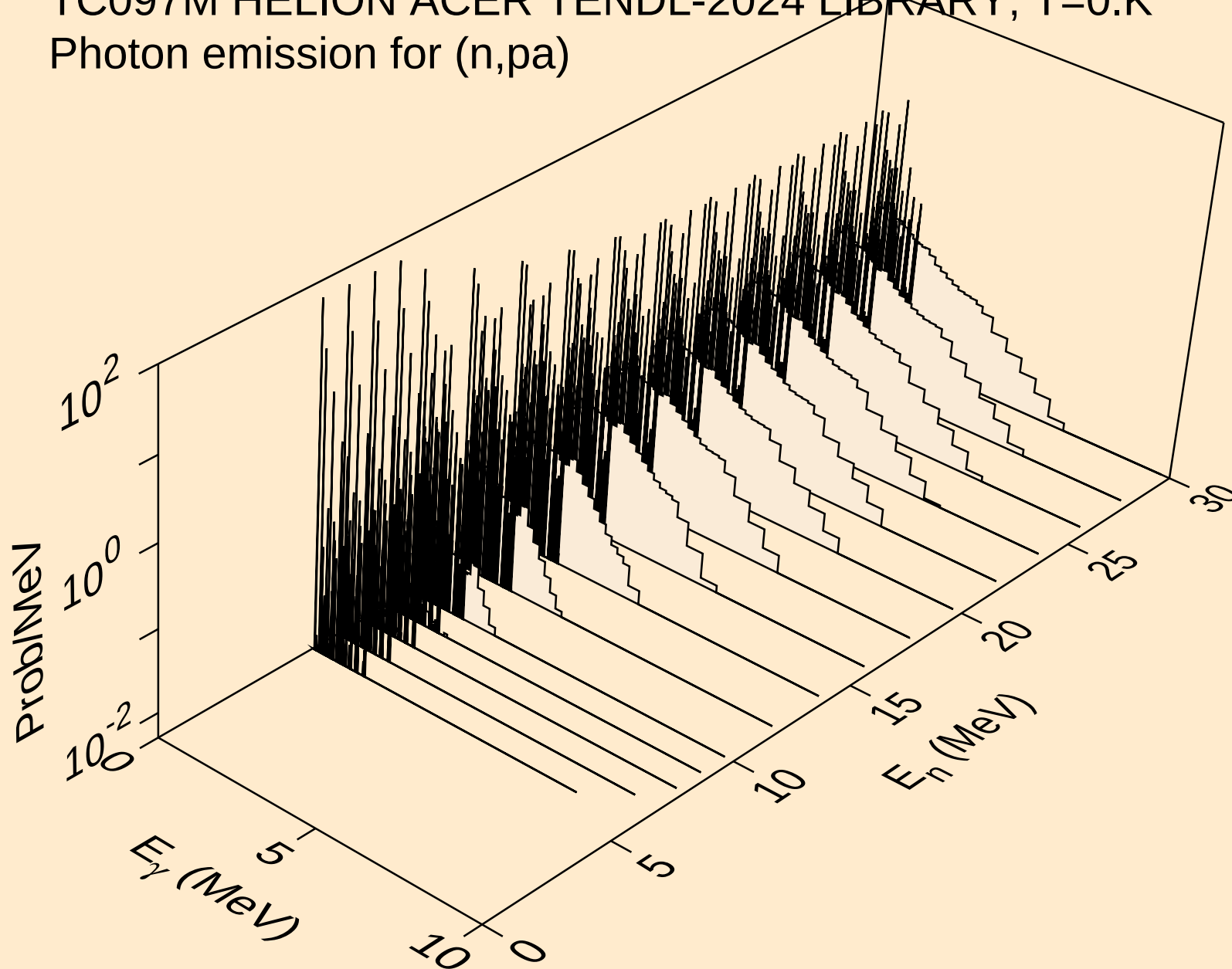
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Photon emission for (n,2a)



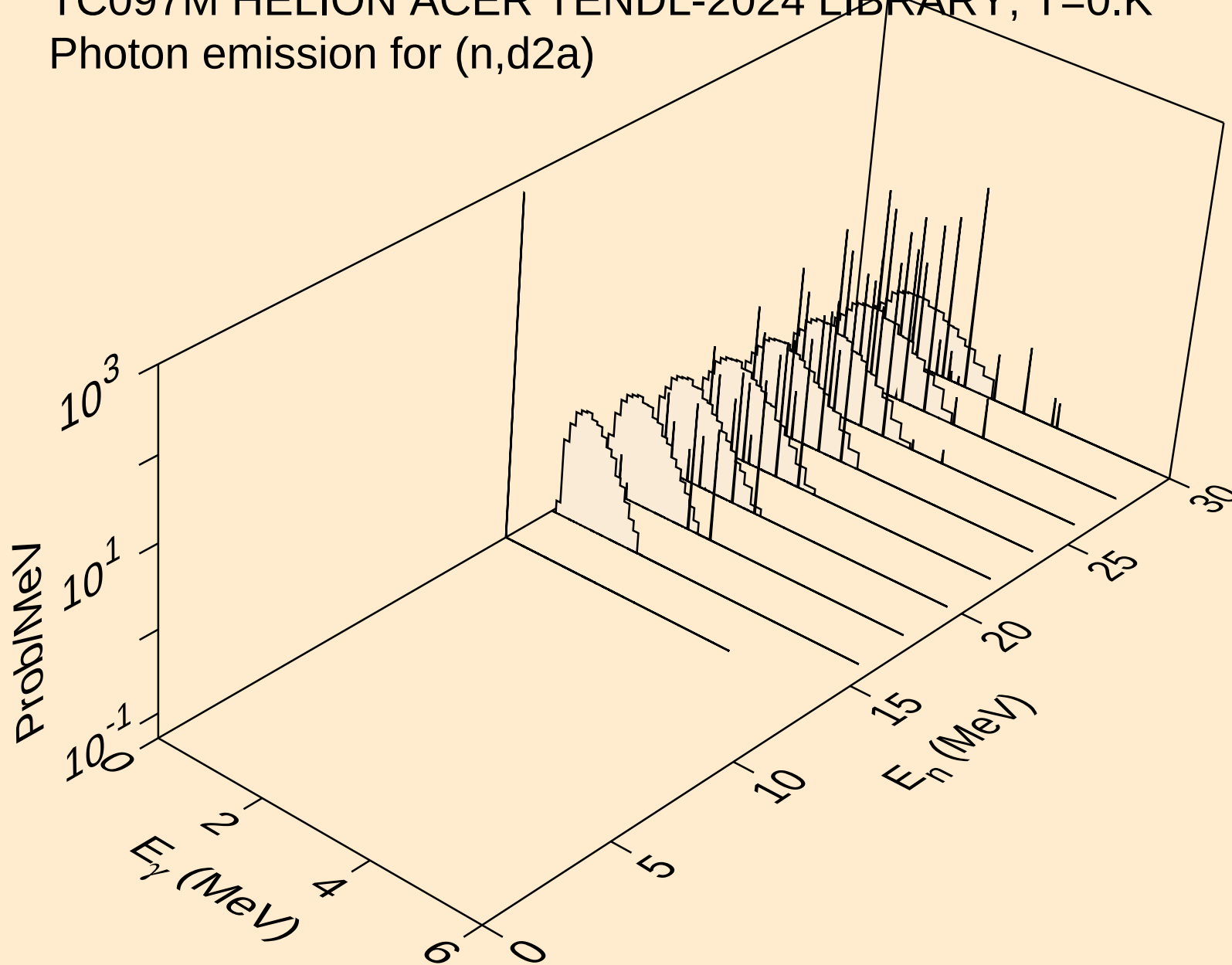
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Photon emission for (n,2p)



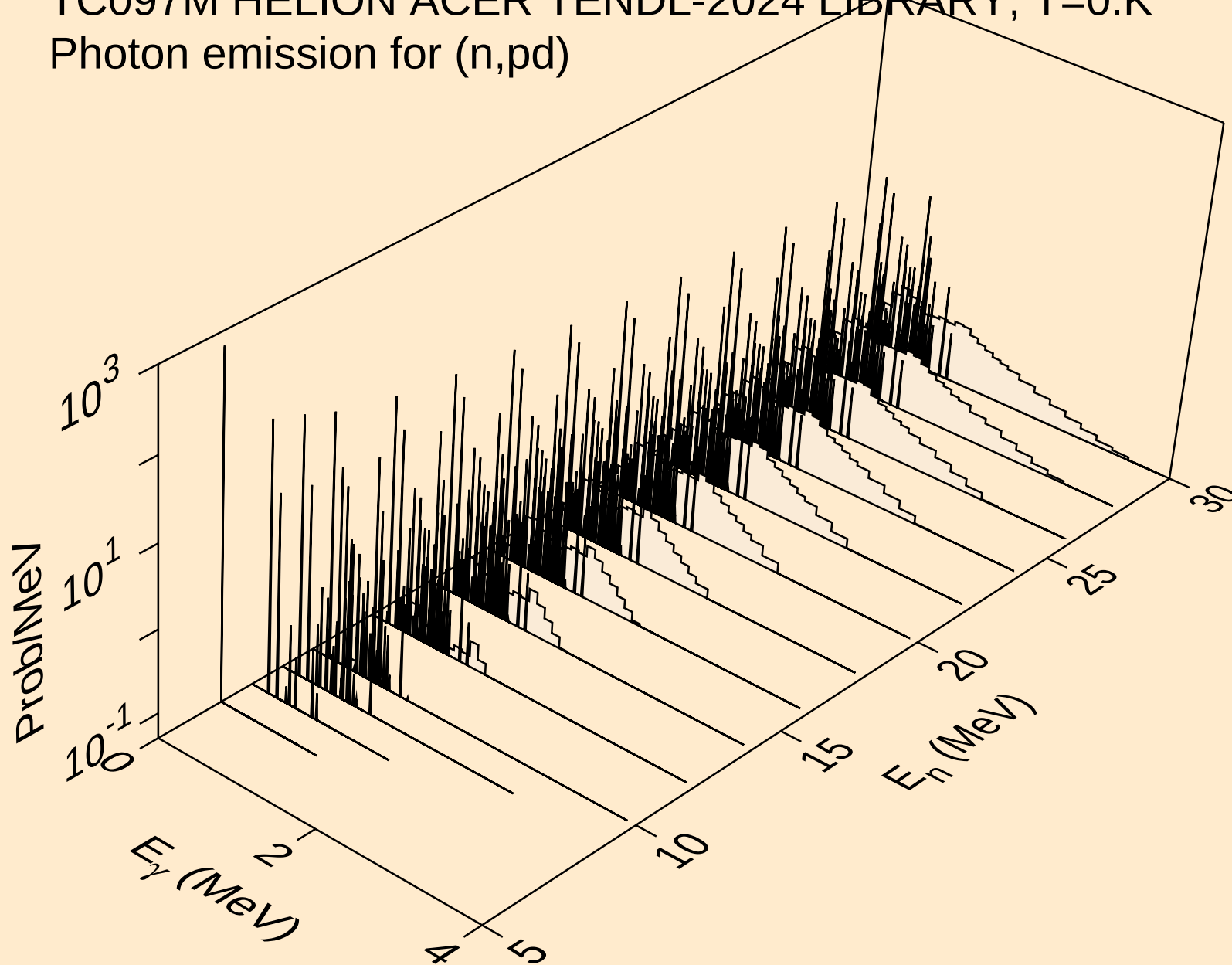
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Photon emission for (n,p $\alpha$ )



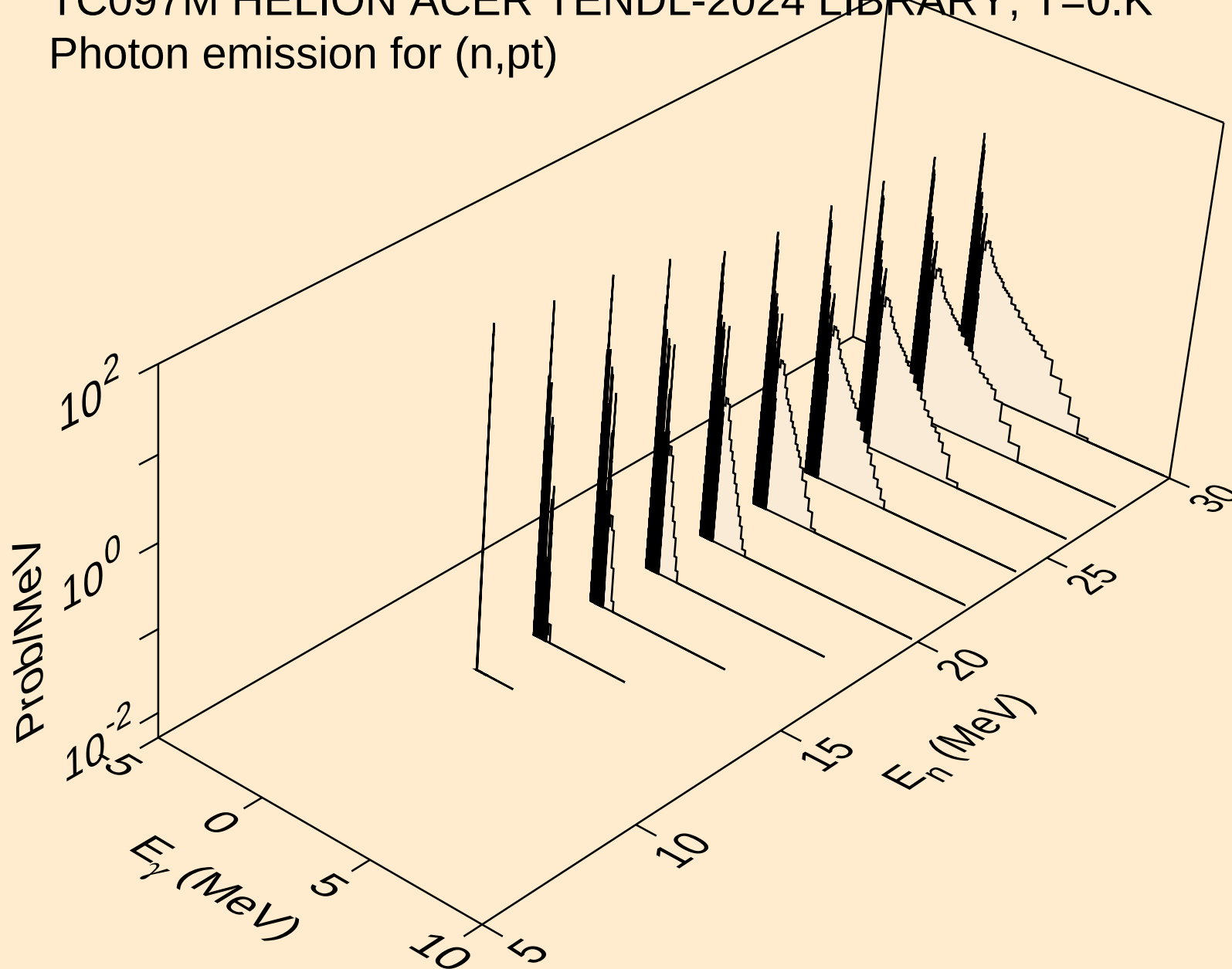
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Photon emission for (n,d2a)



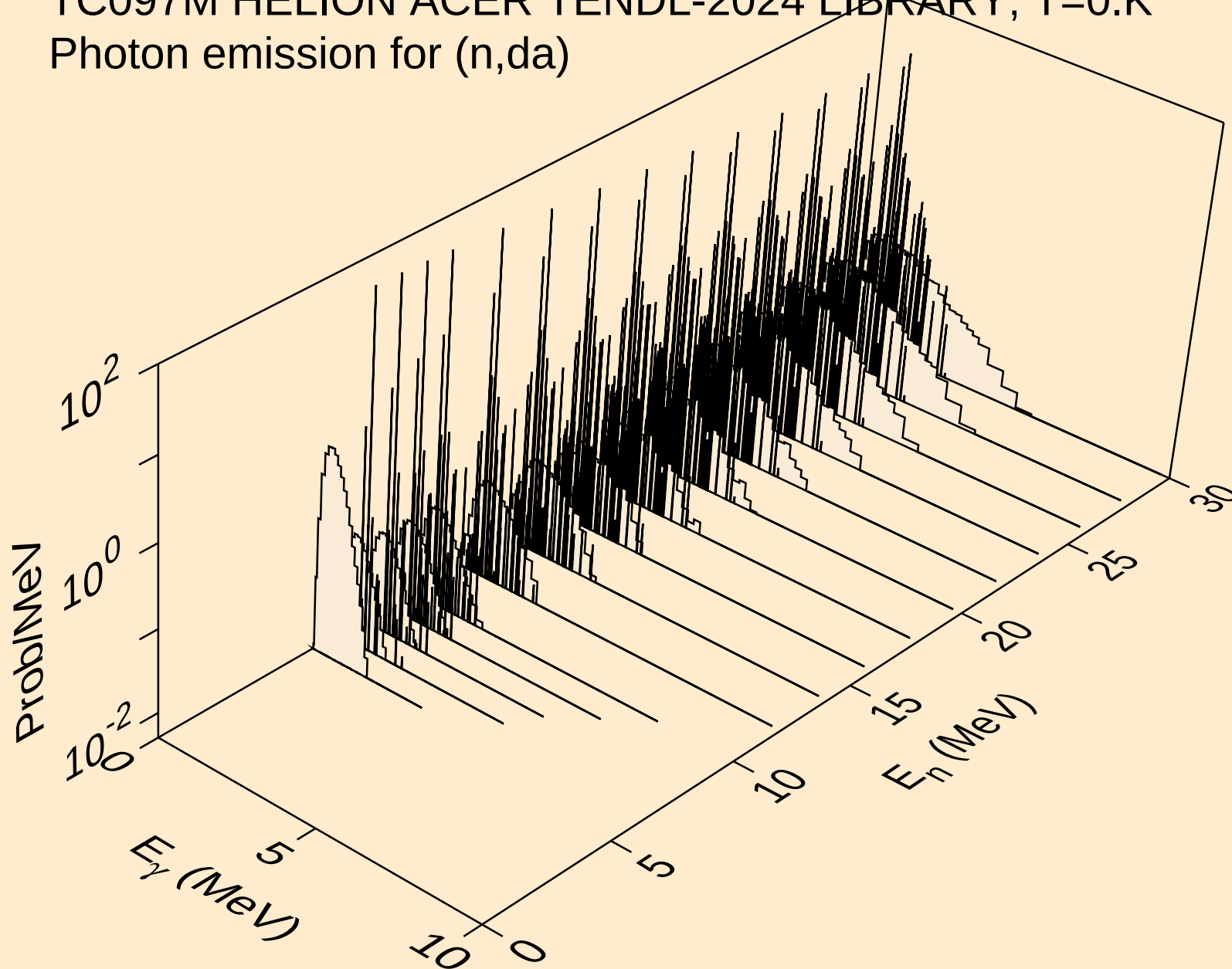
TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)

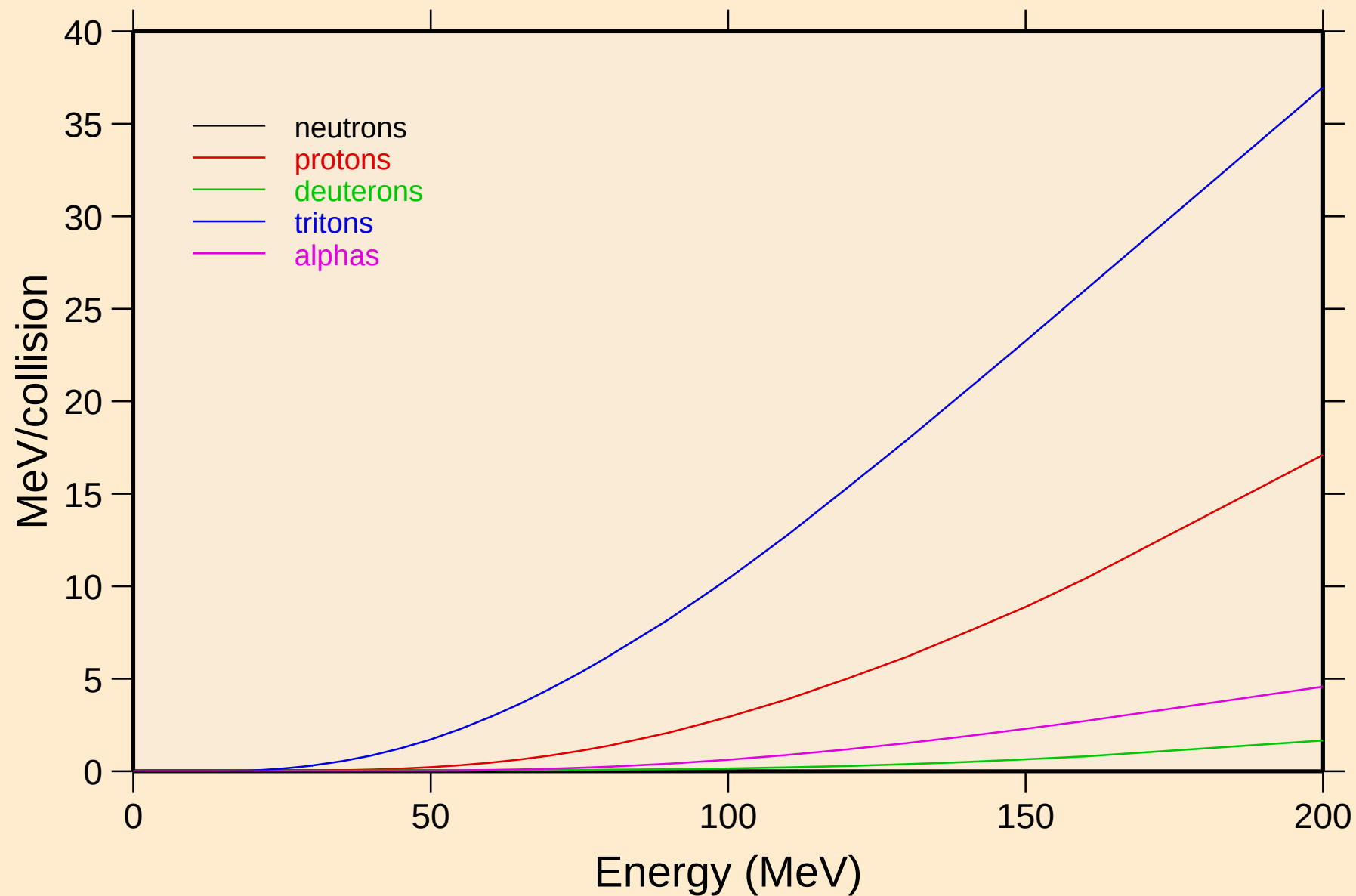


TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



# TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K

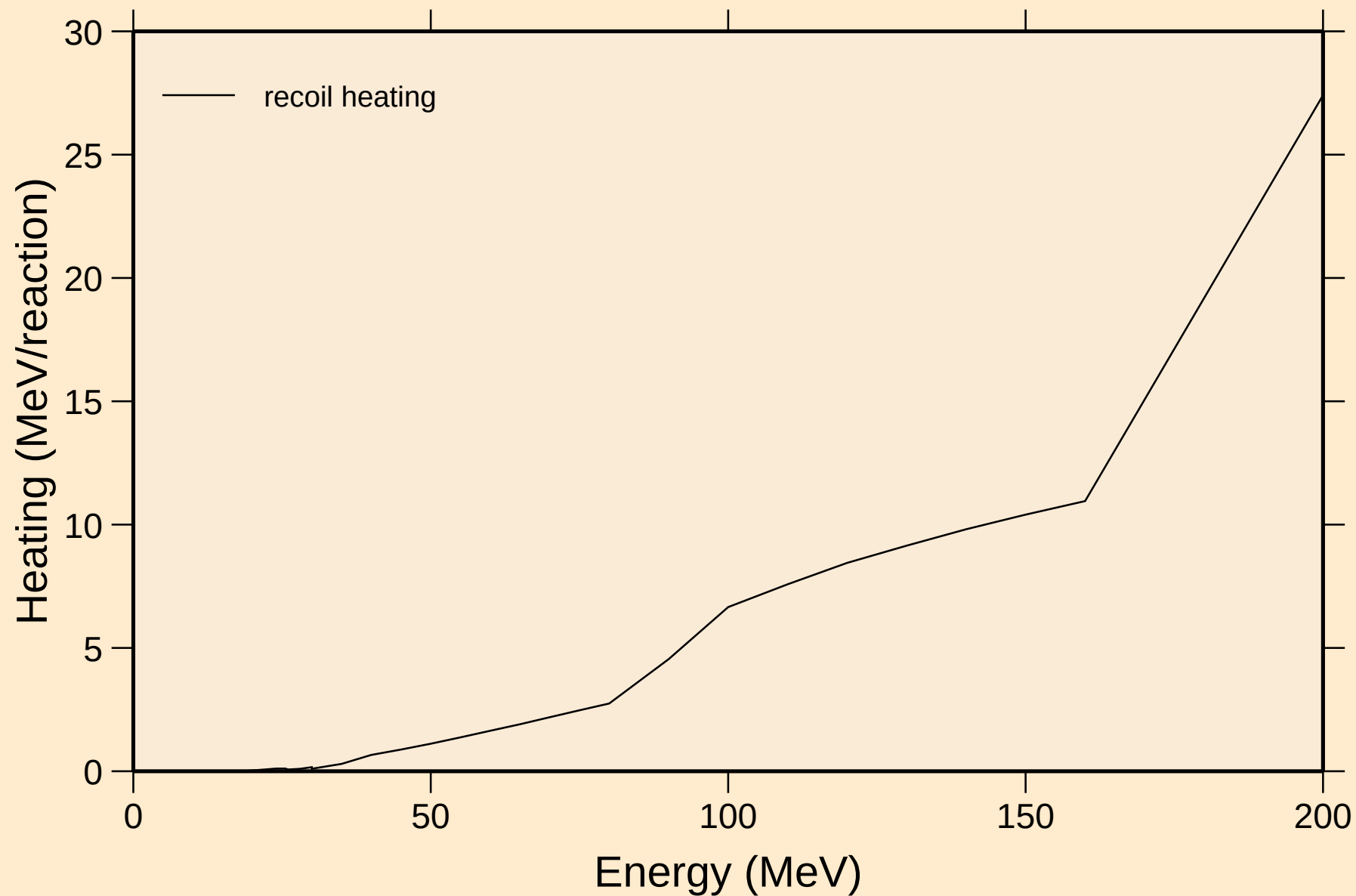
## Particle heating contributions





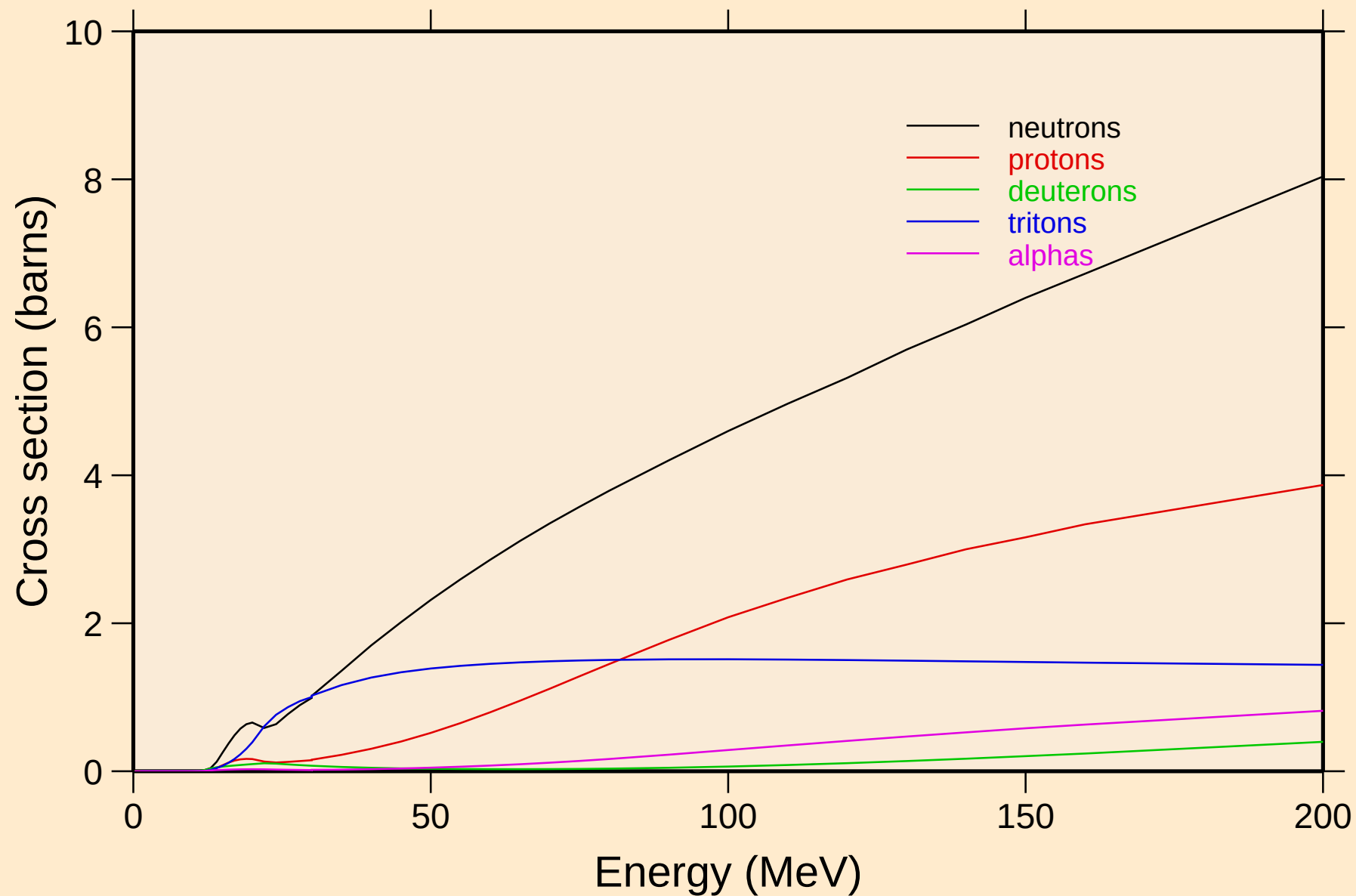
TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K

## Recoil Heating

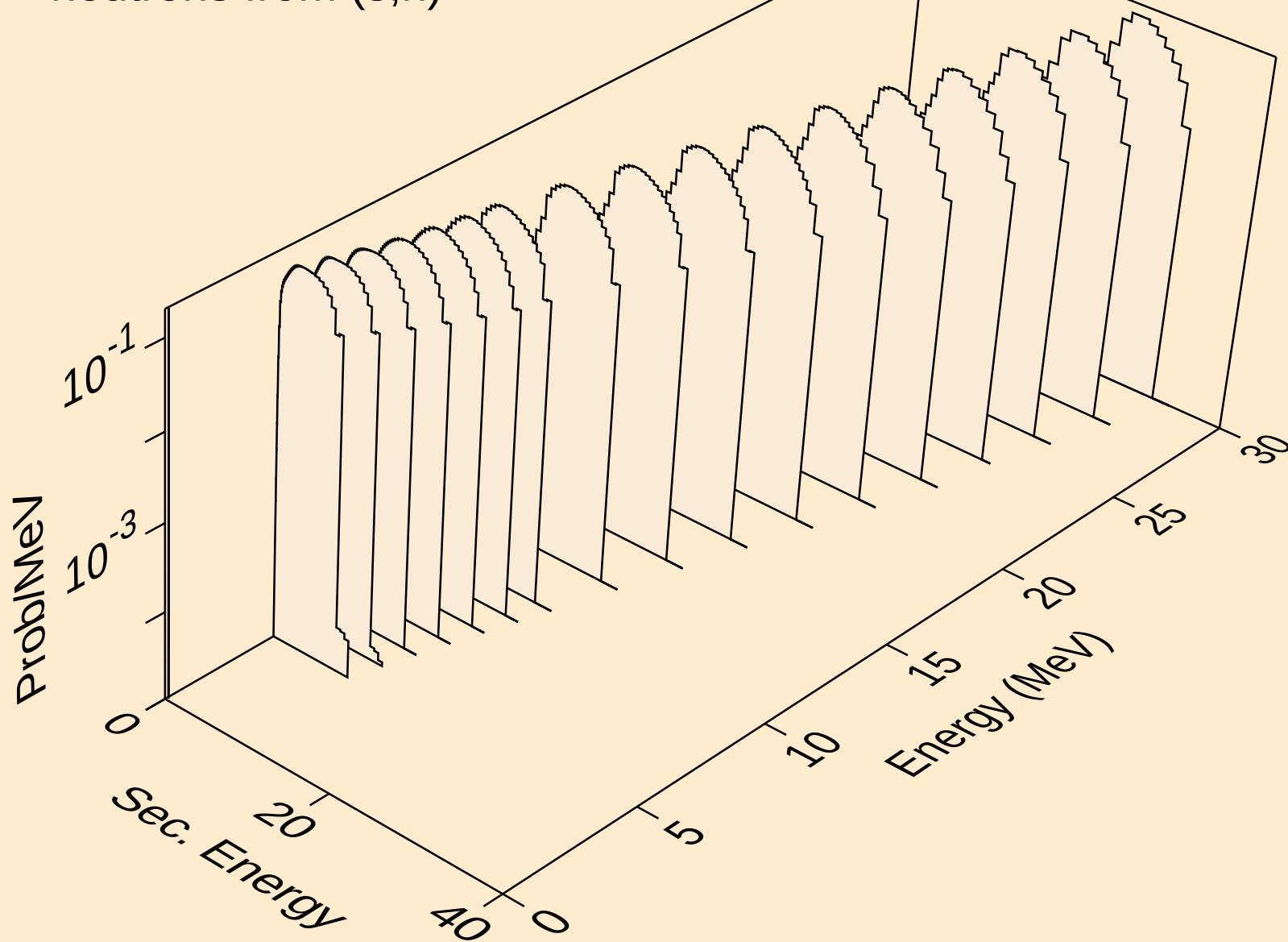


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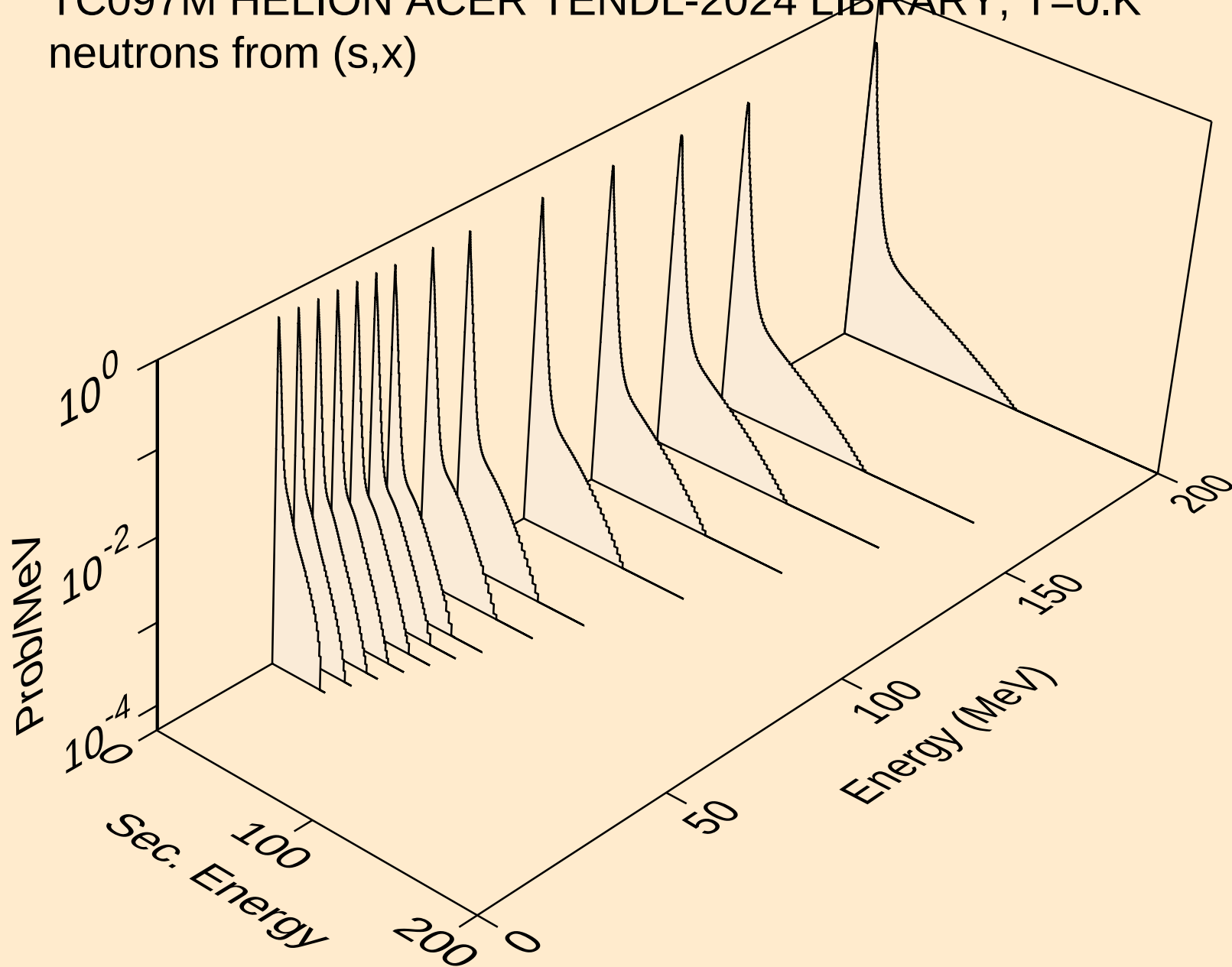
Particle production cross sections



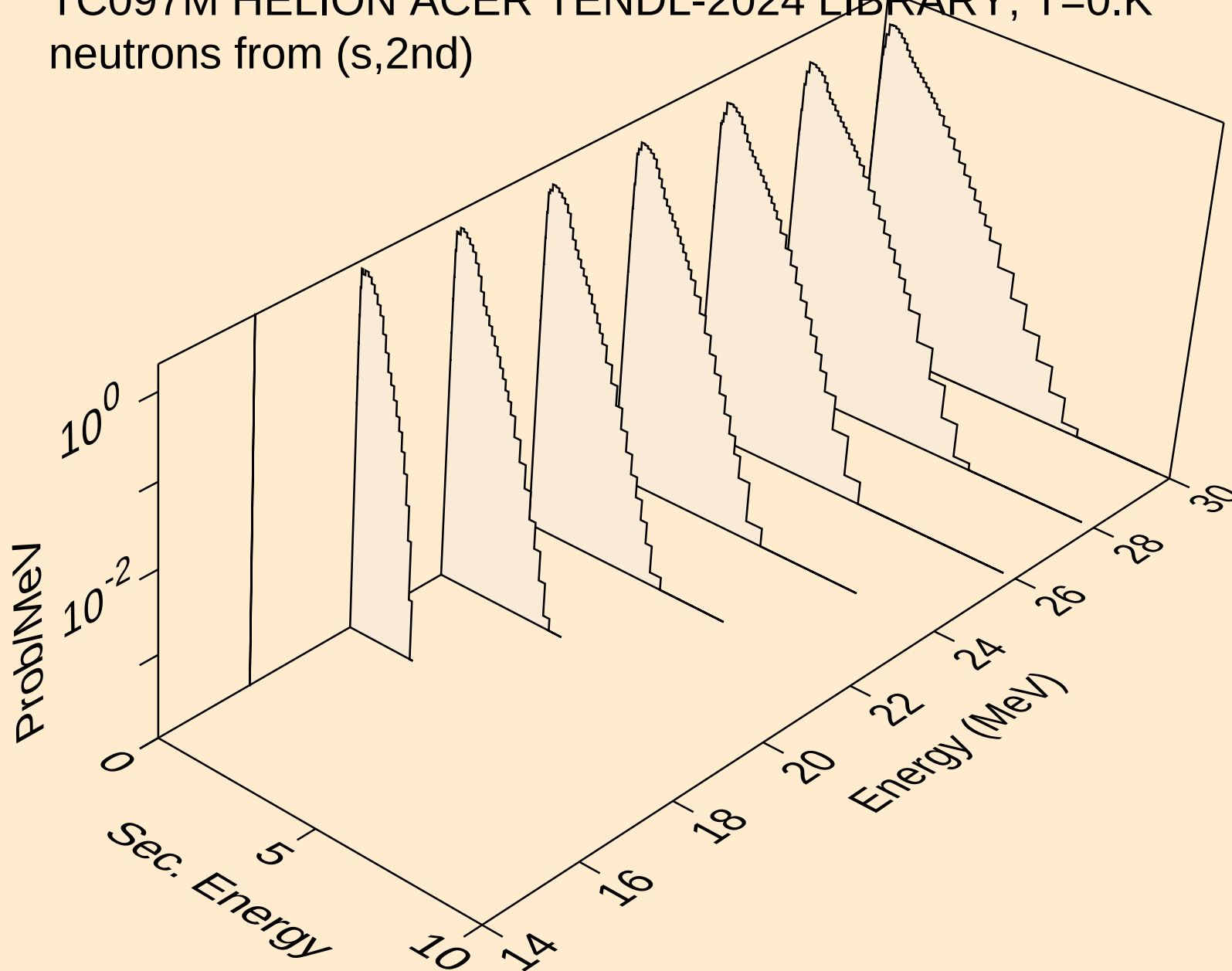
TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n)



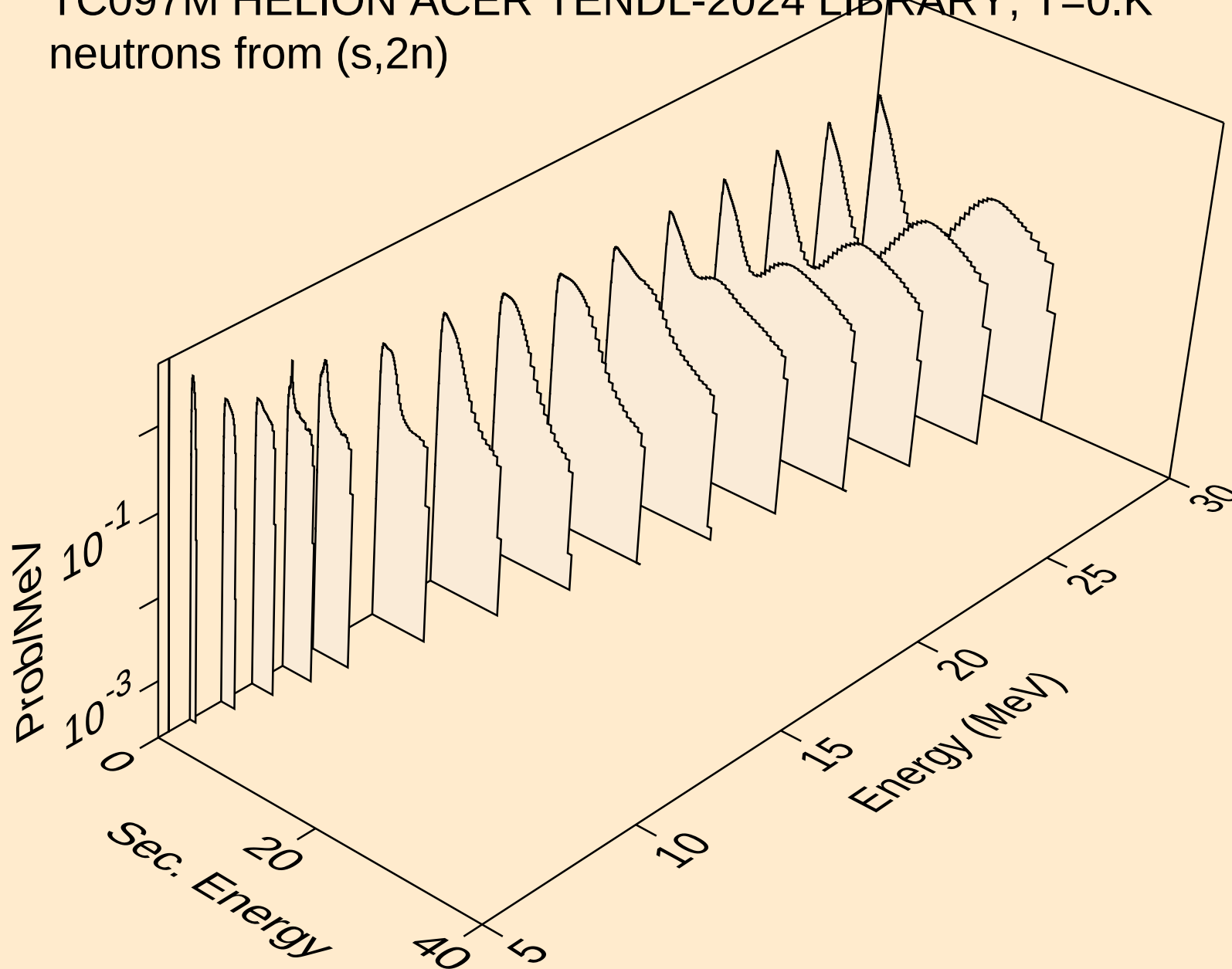
TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,x)



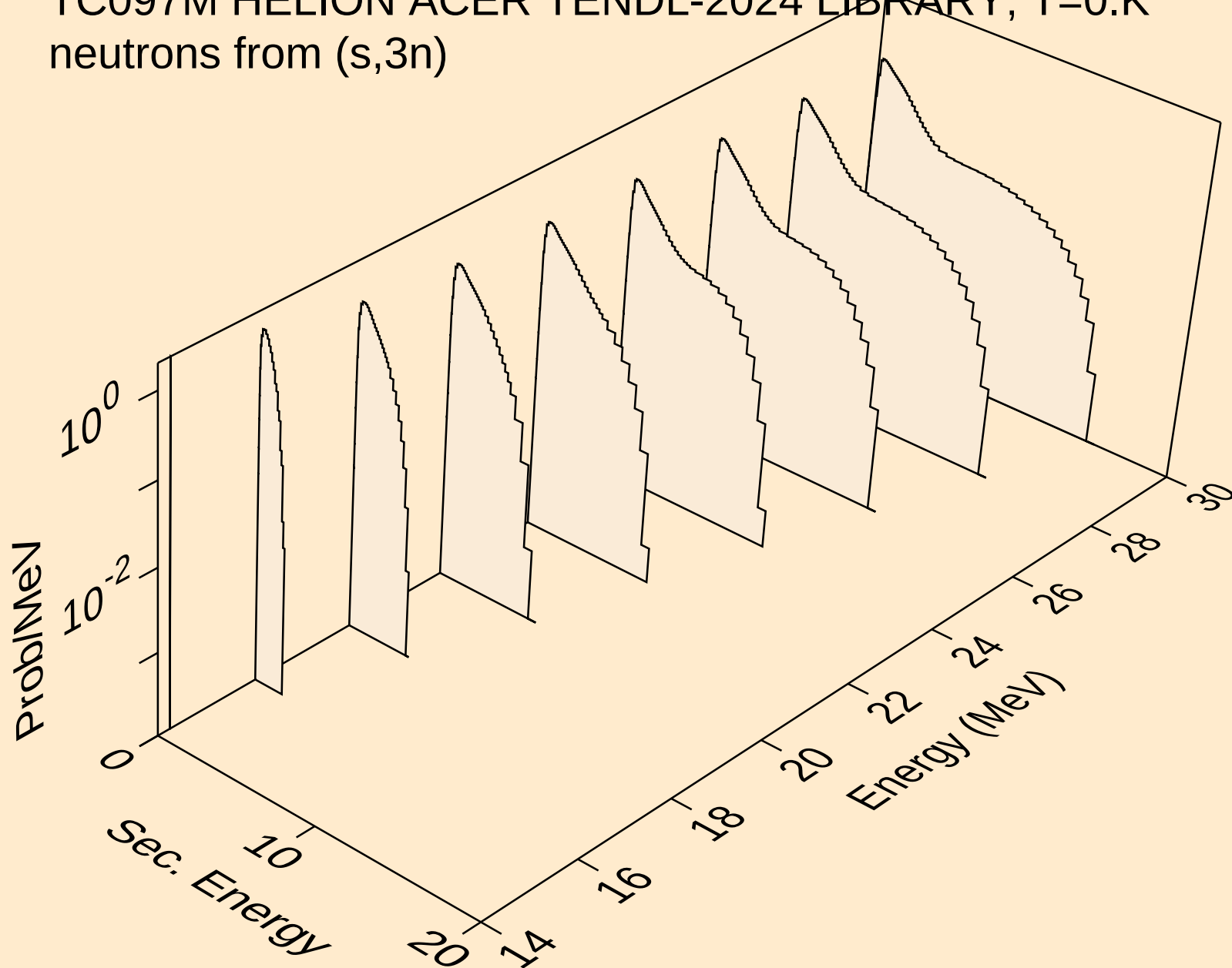
TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,2nd)



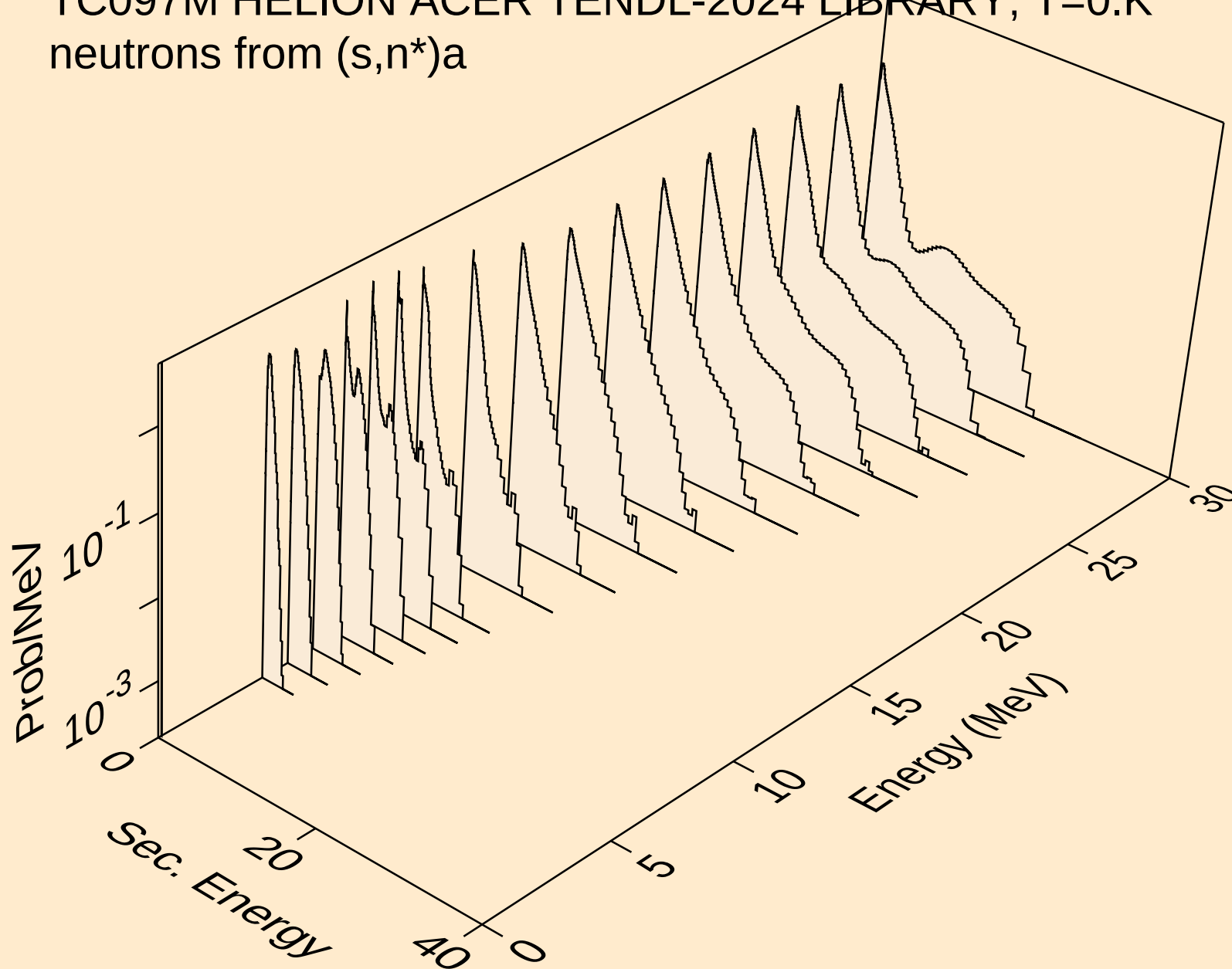
TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,2n)



TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,3n)

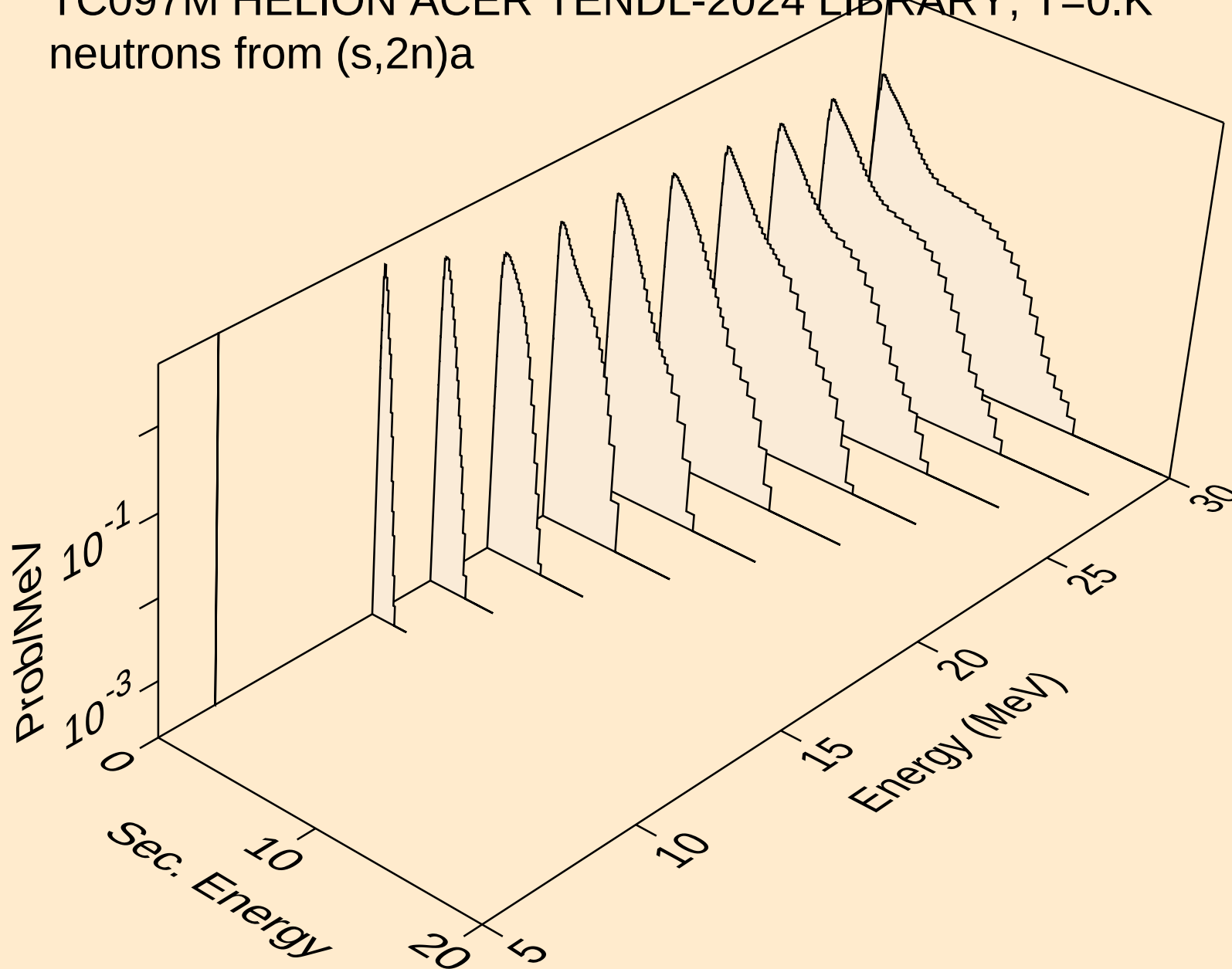


TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)a

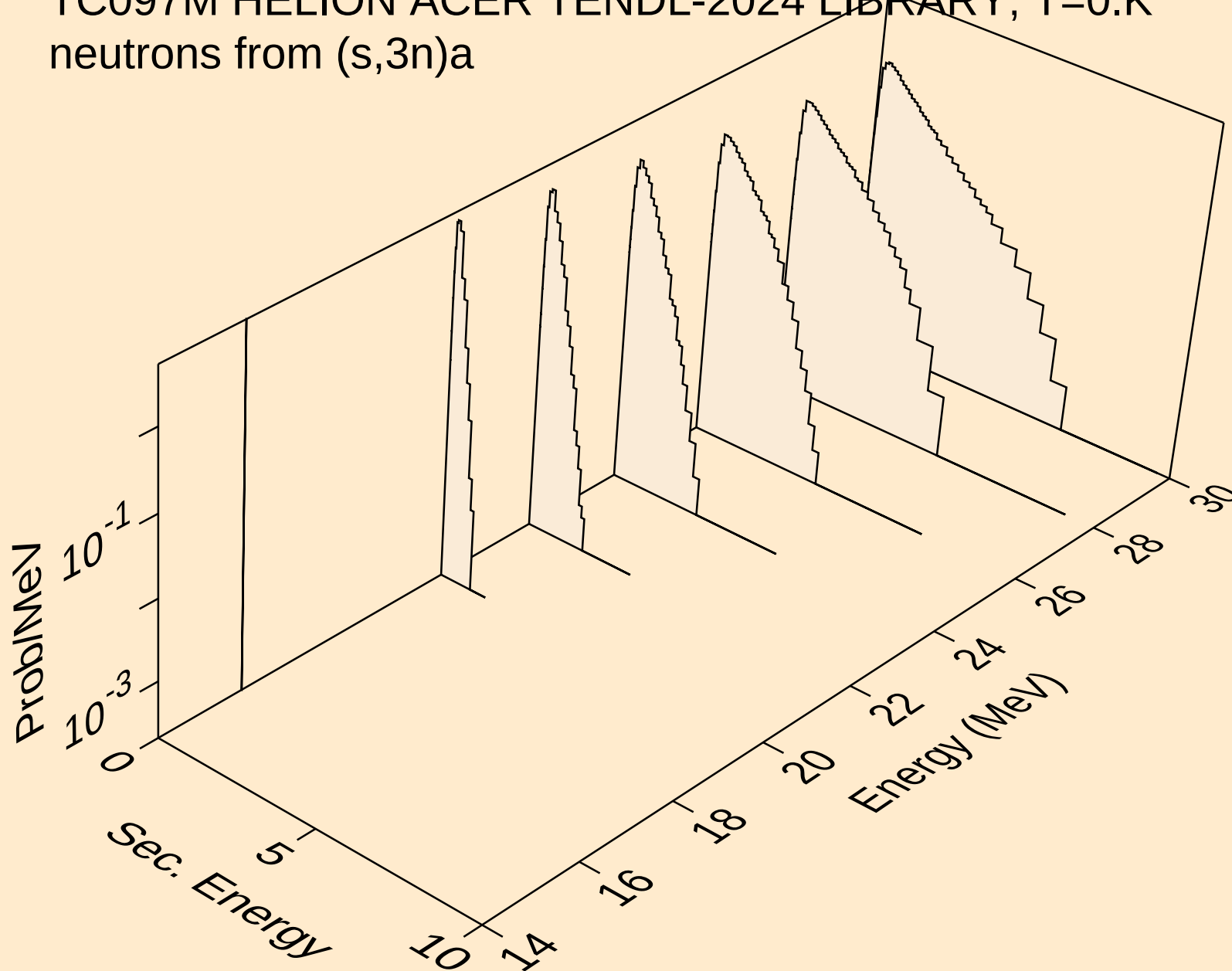




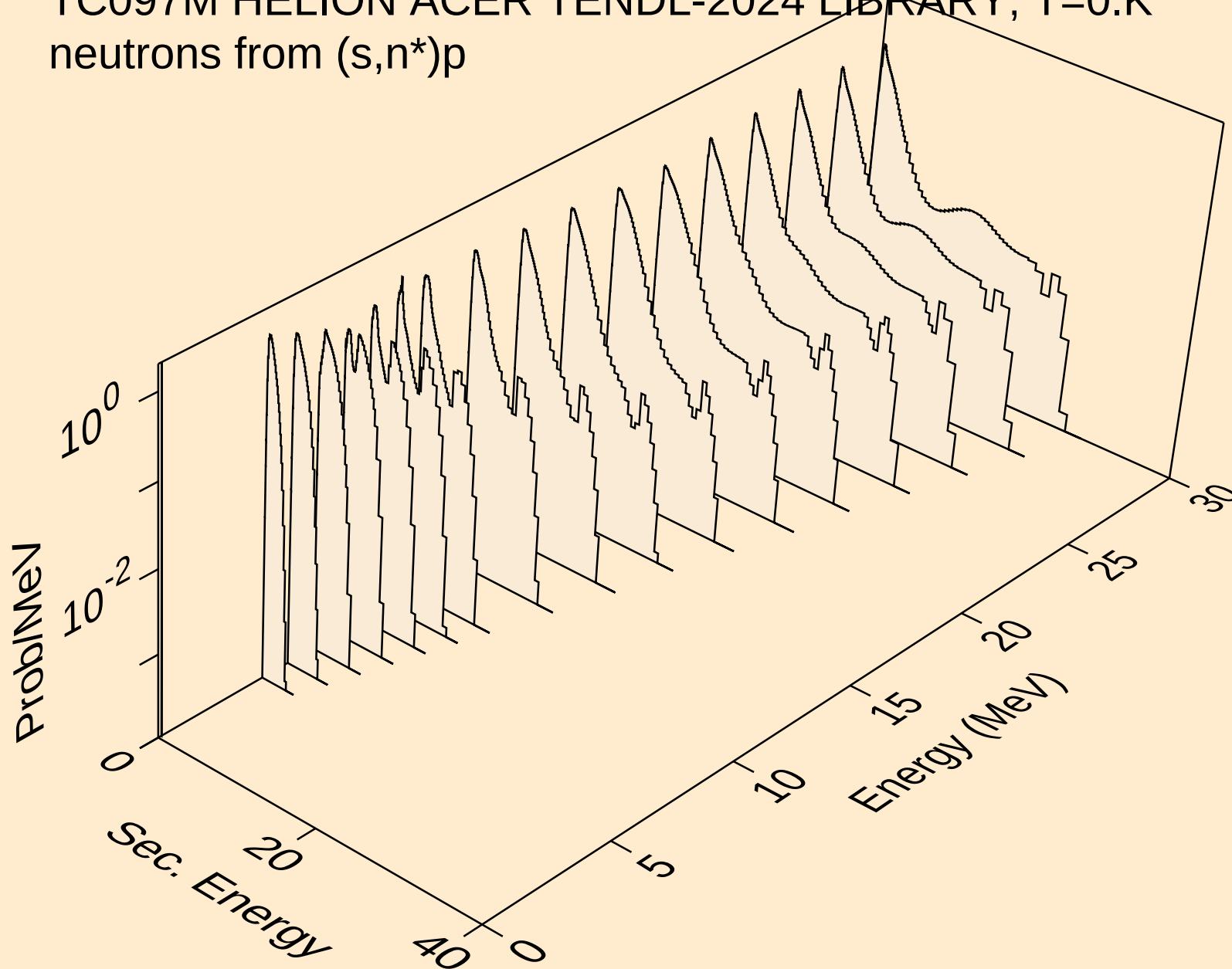
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neutrons from (s,2n)a



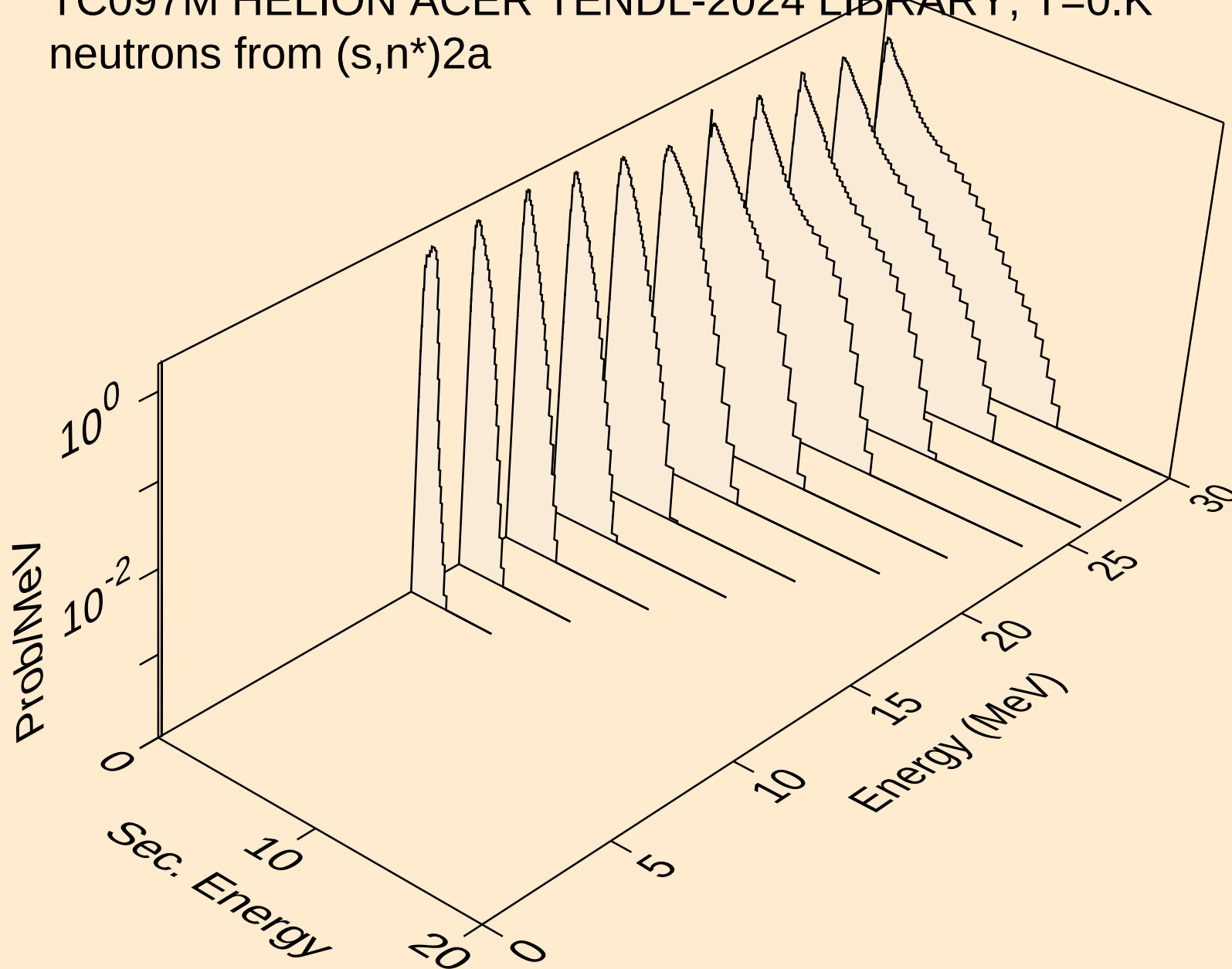
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neutrons from (s,3n)a



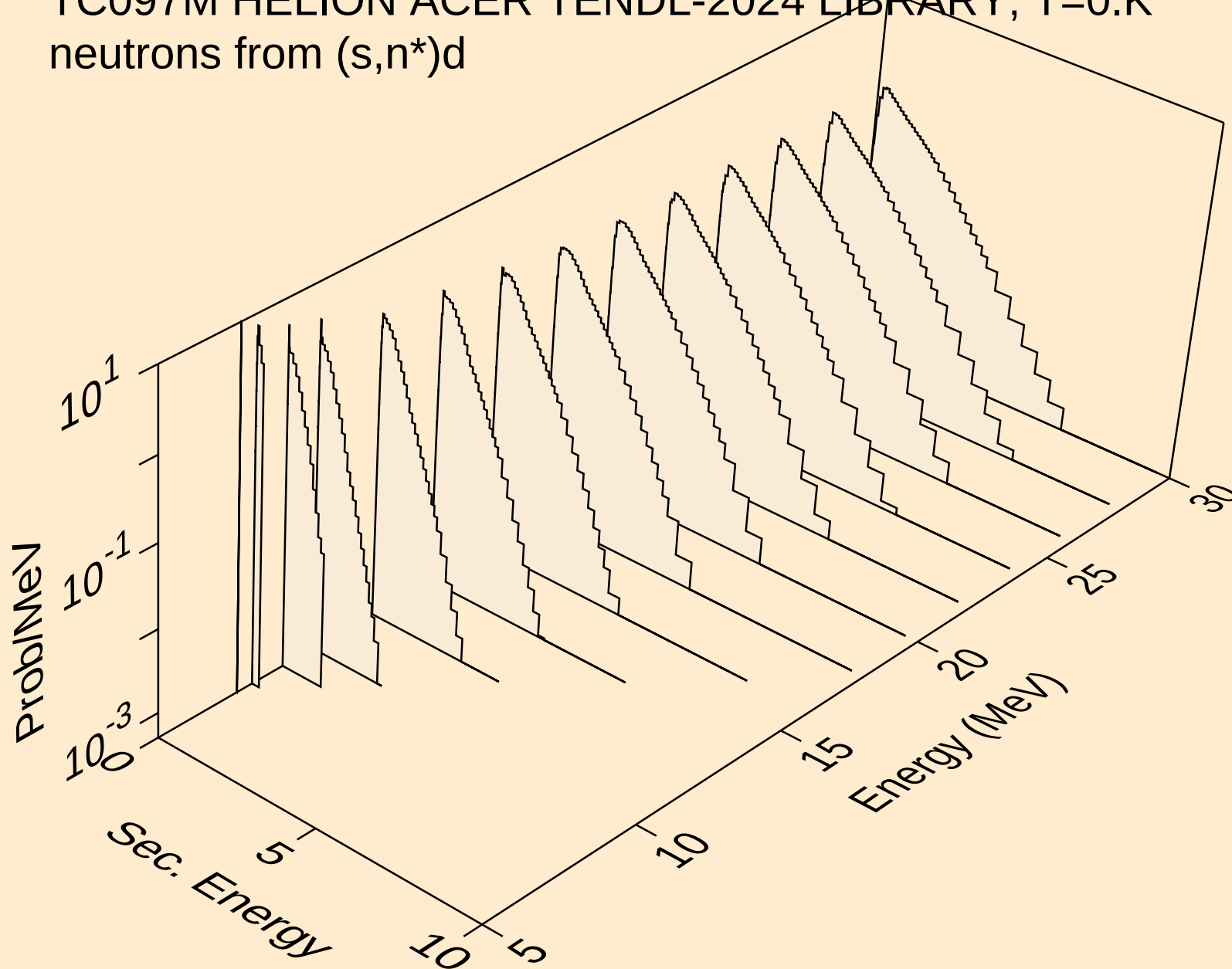
TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)p



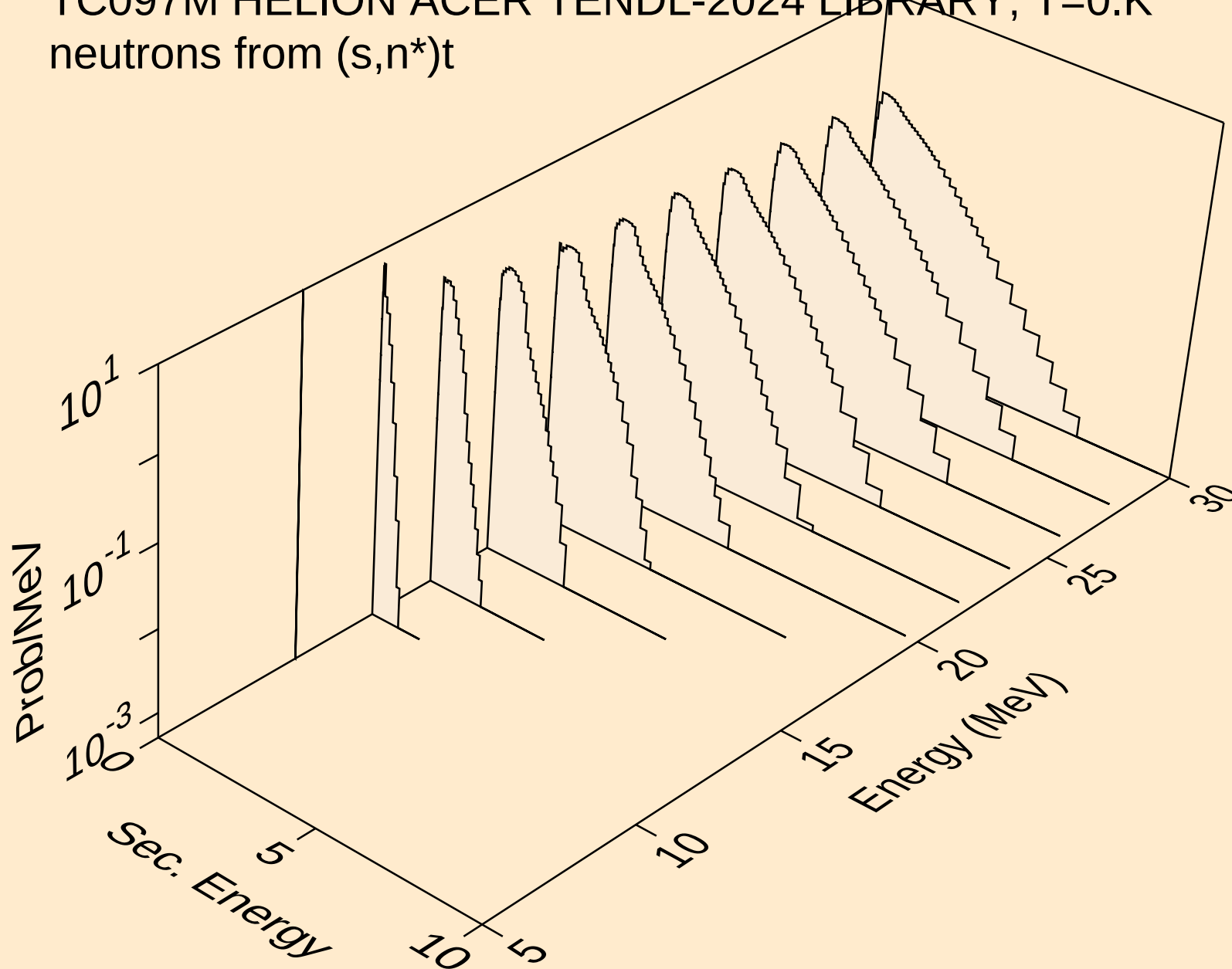
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neutrons from (s,n\*)2a



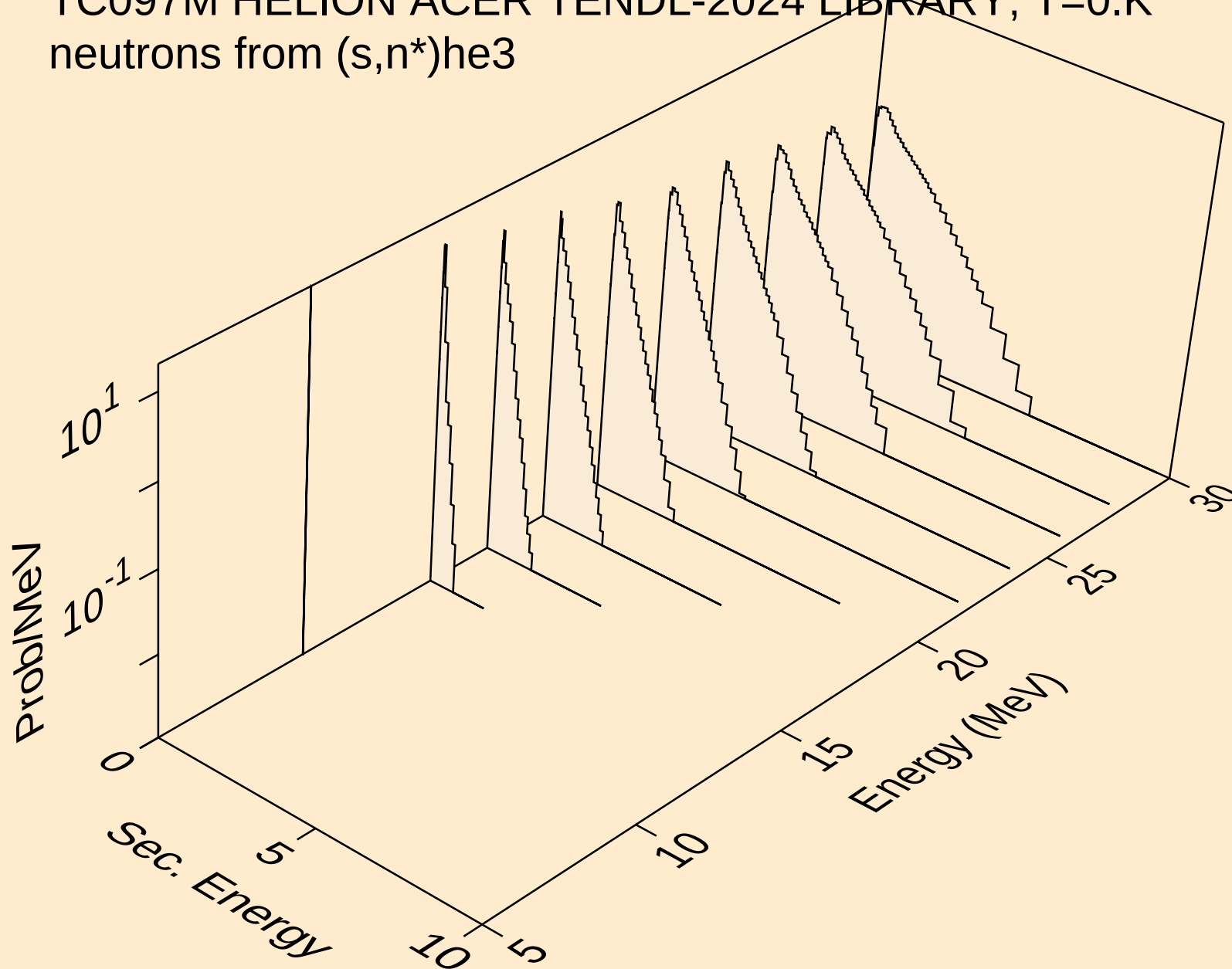
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neutrons from (s,n\*)d



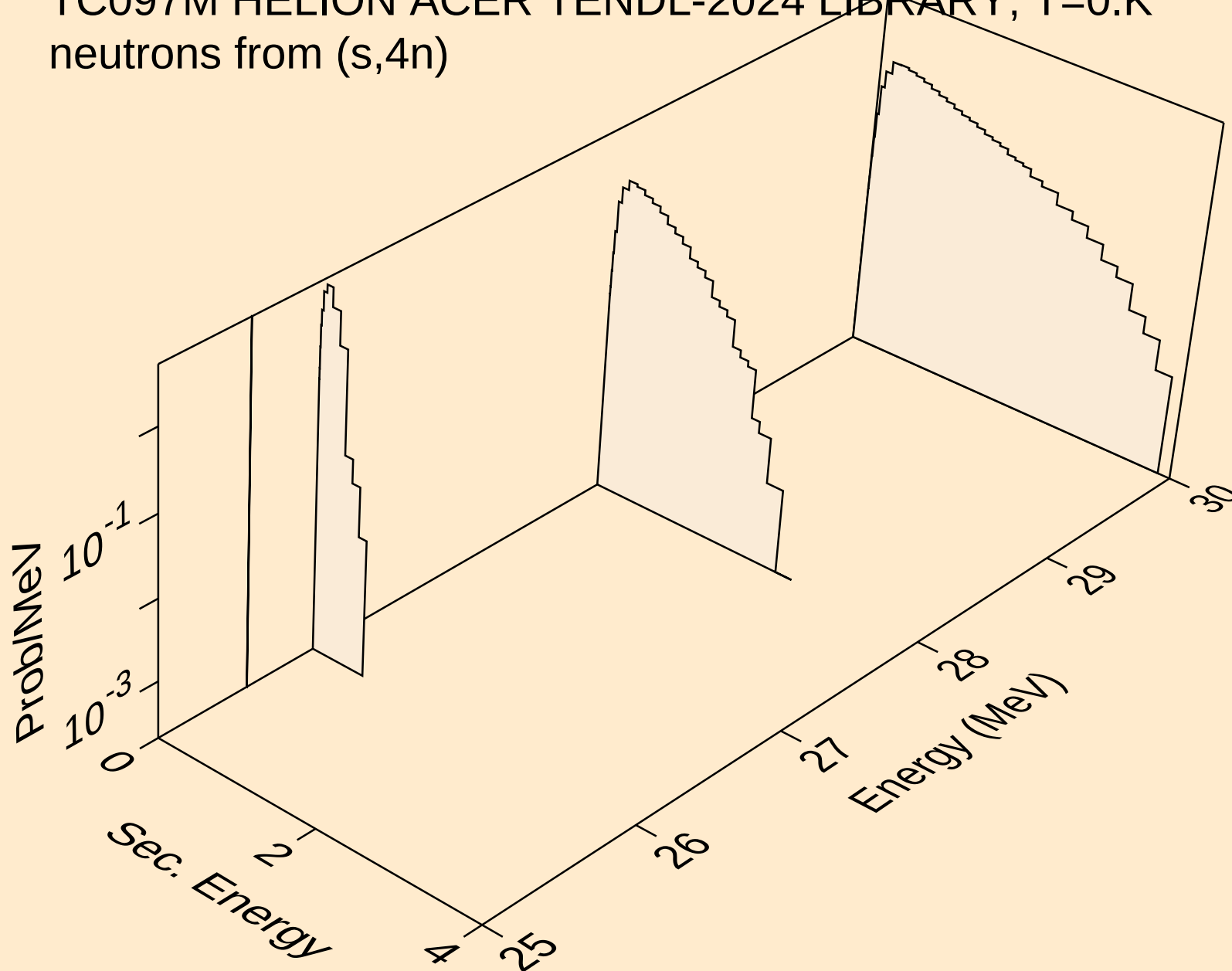
TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)t



TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)he3

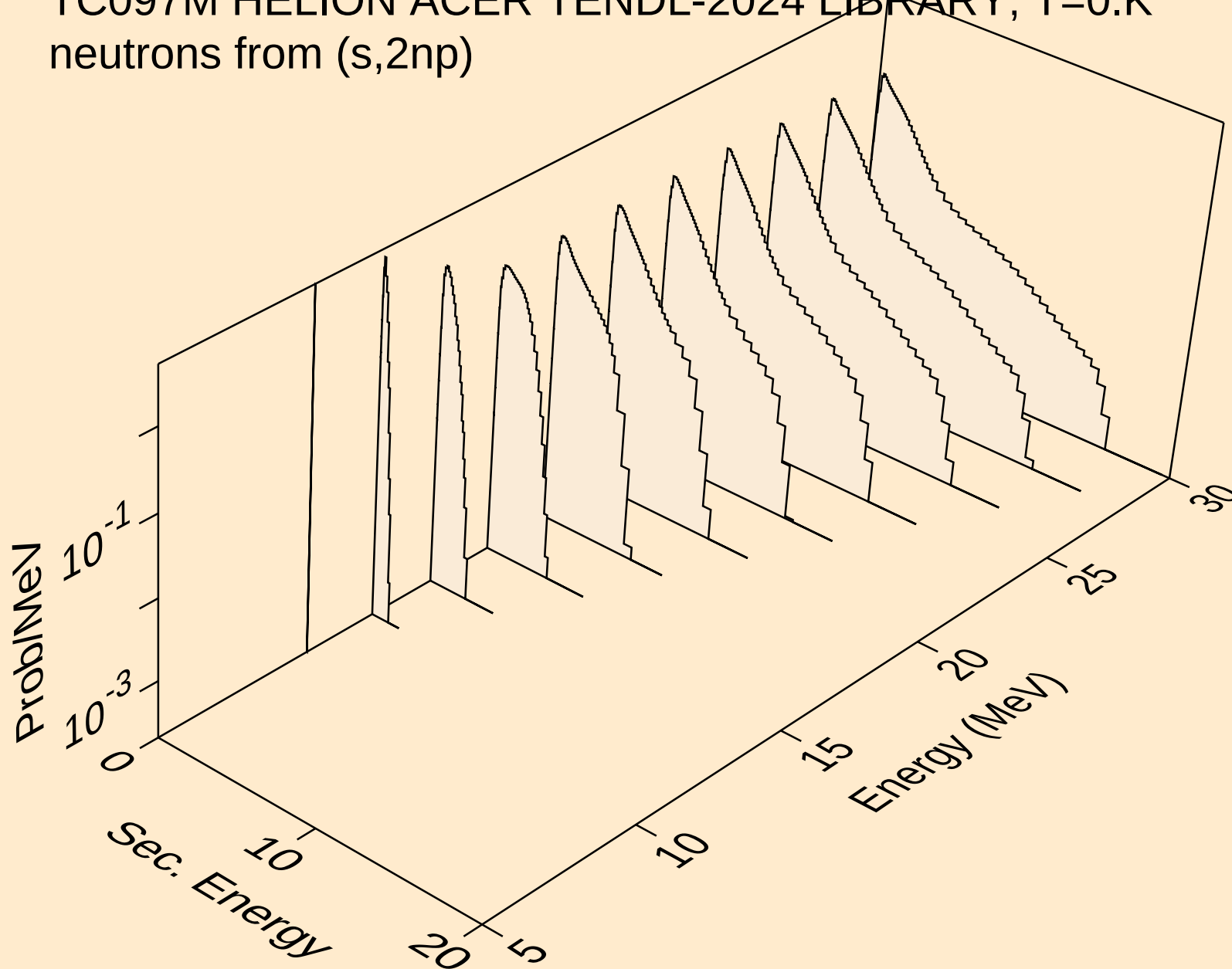


TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,4n)

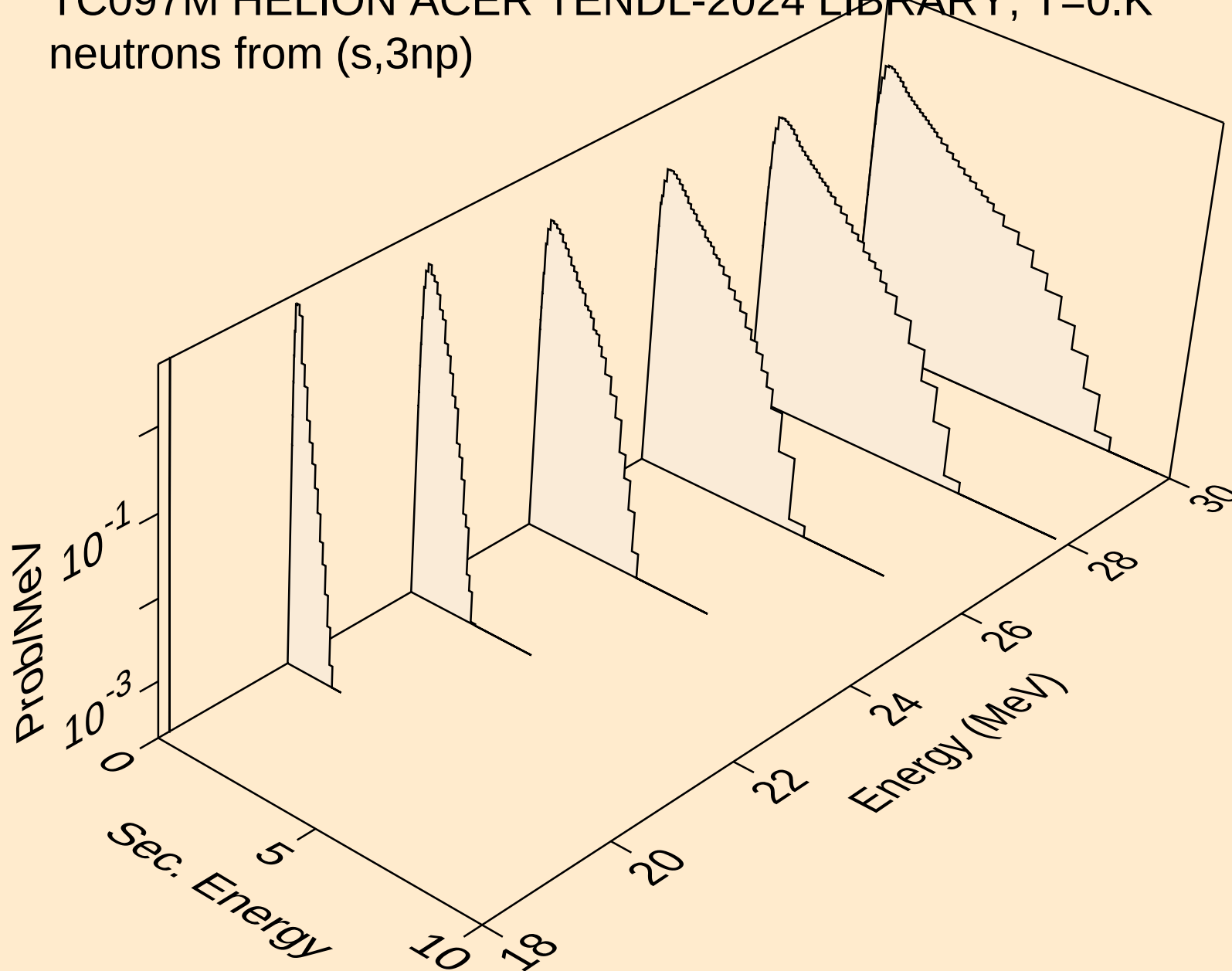




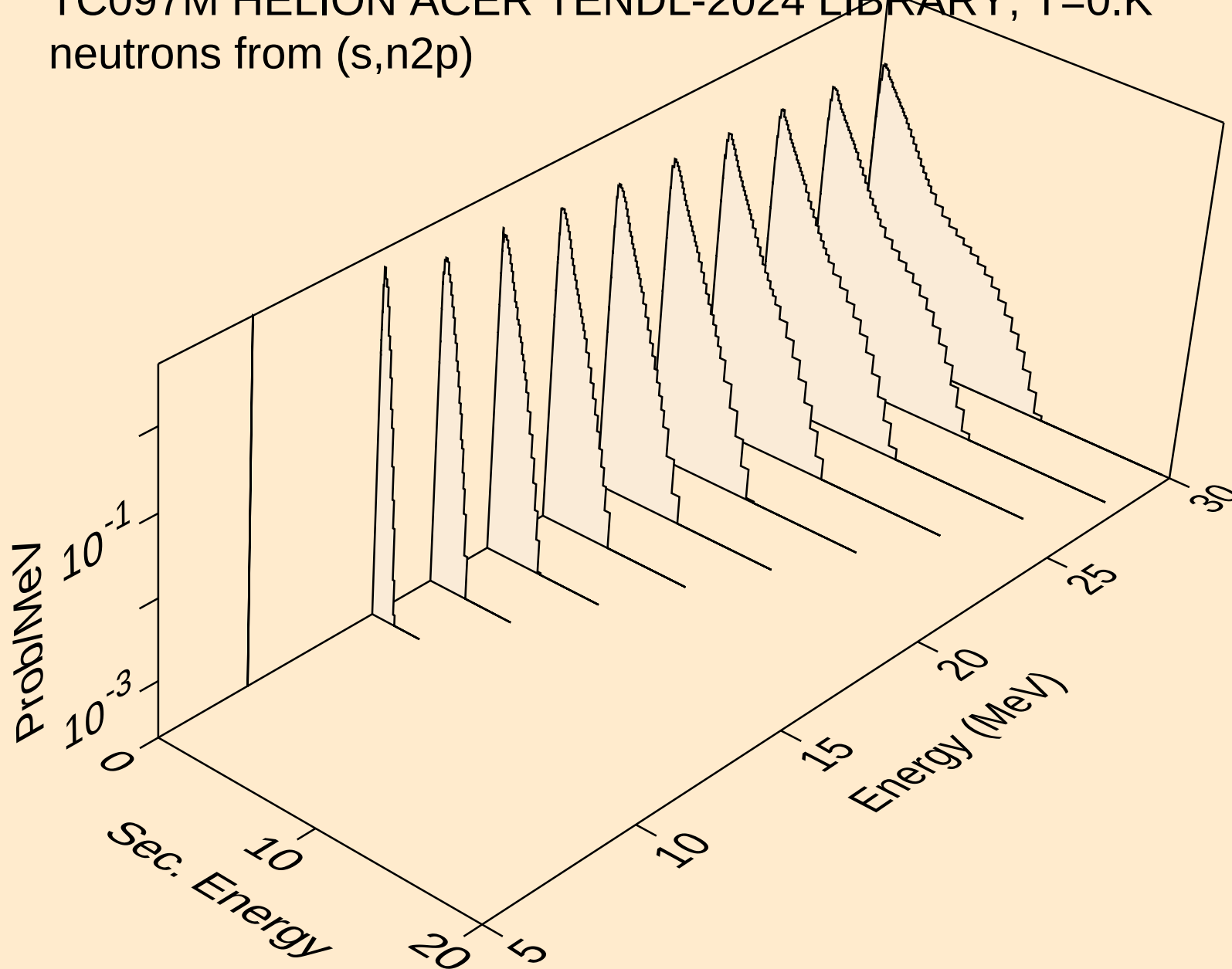
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neutrons from (s,2np)



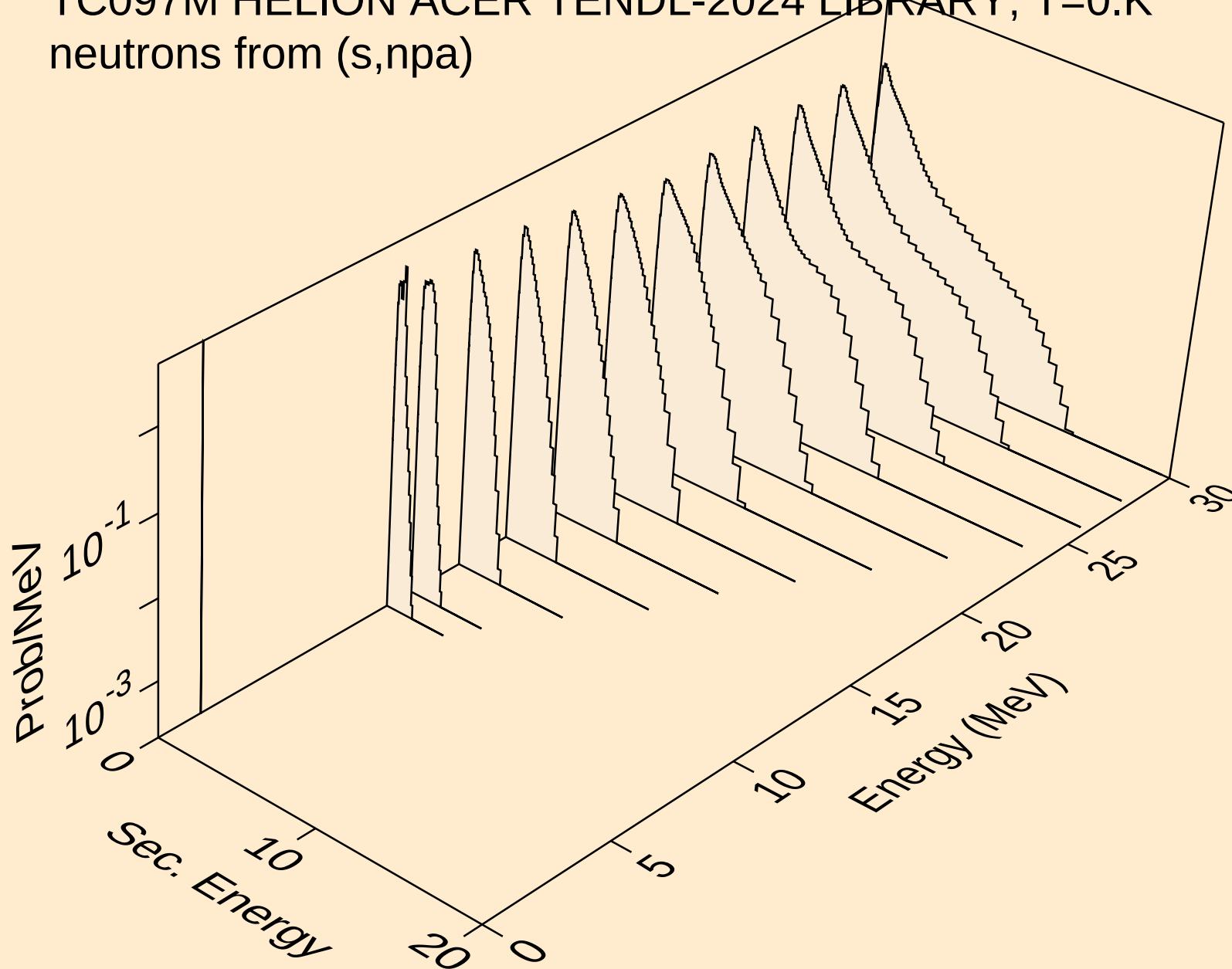
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neutrons from (s,3np)



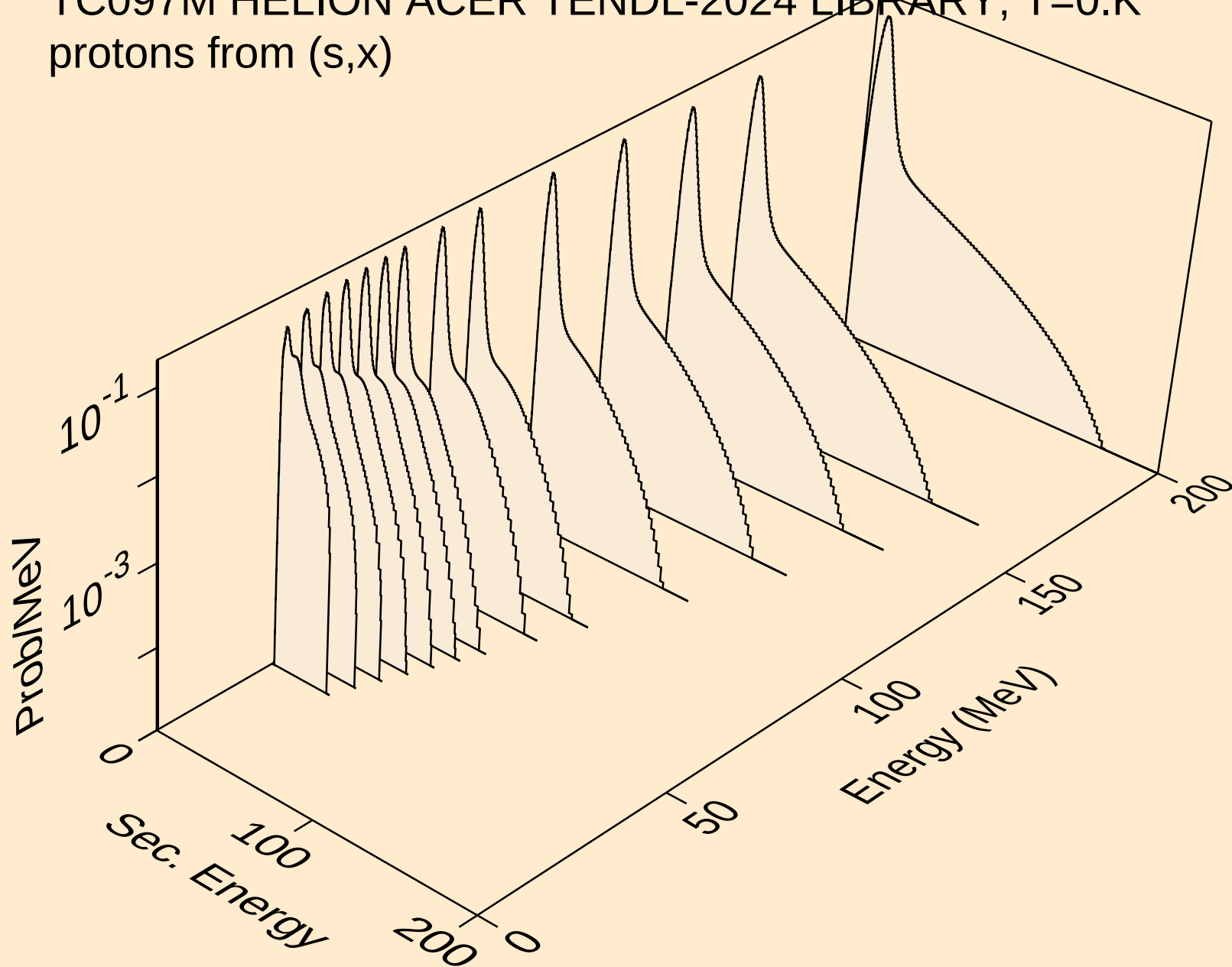
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neutrons from (s,n2p)



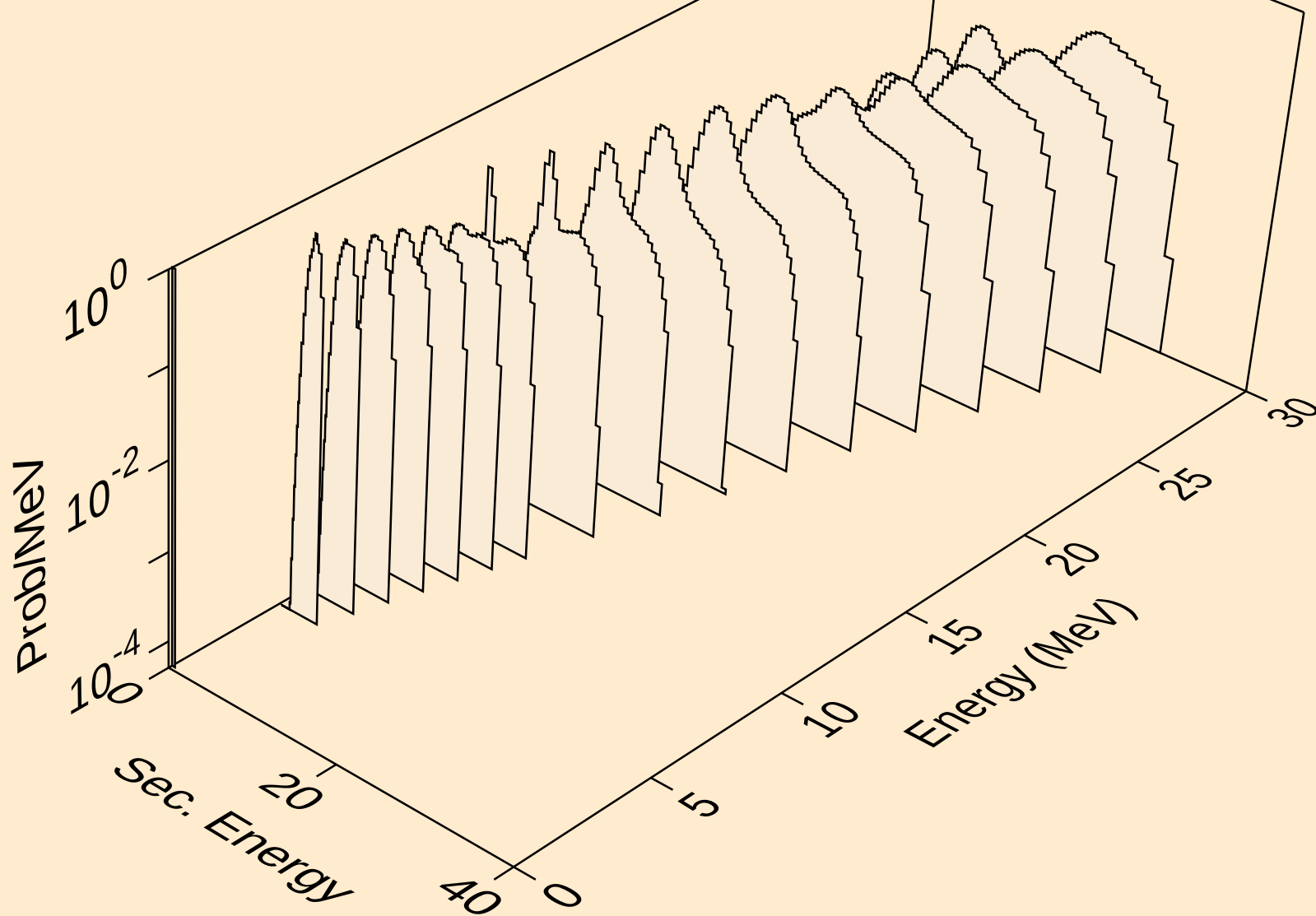
TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,npa)



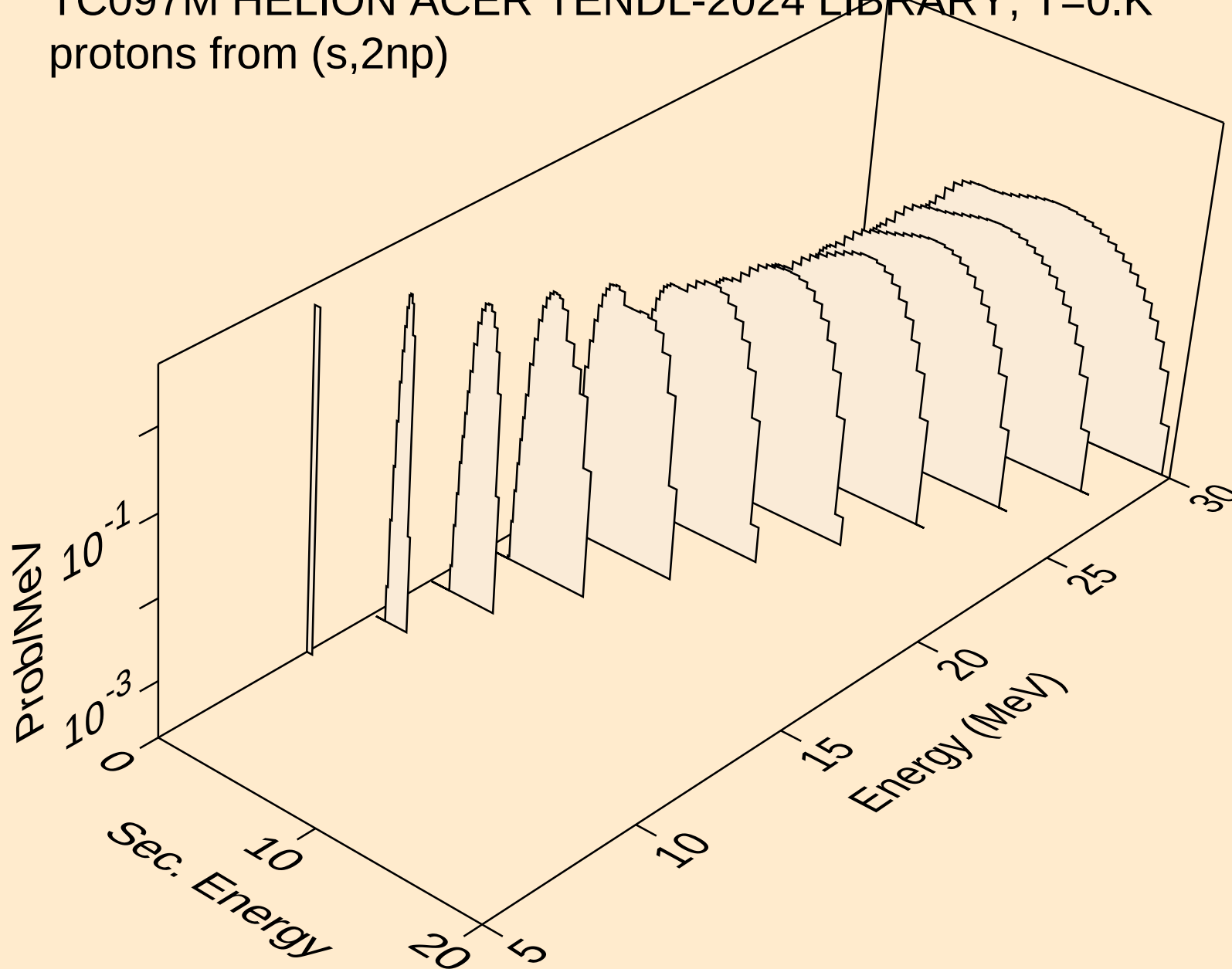
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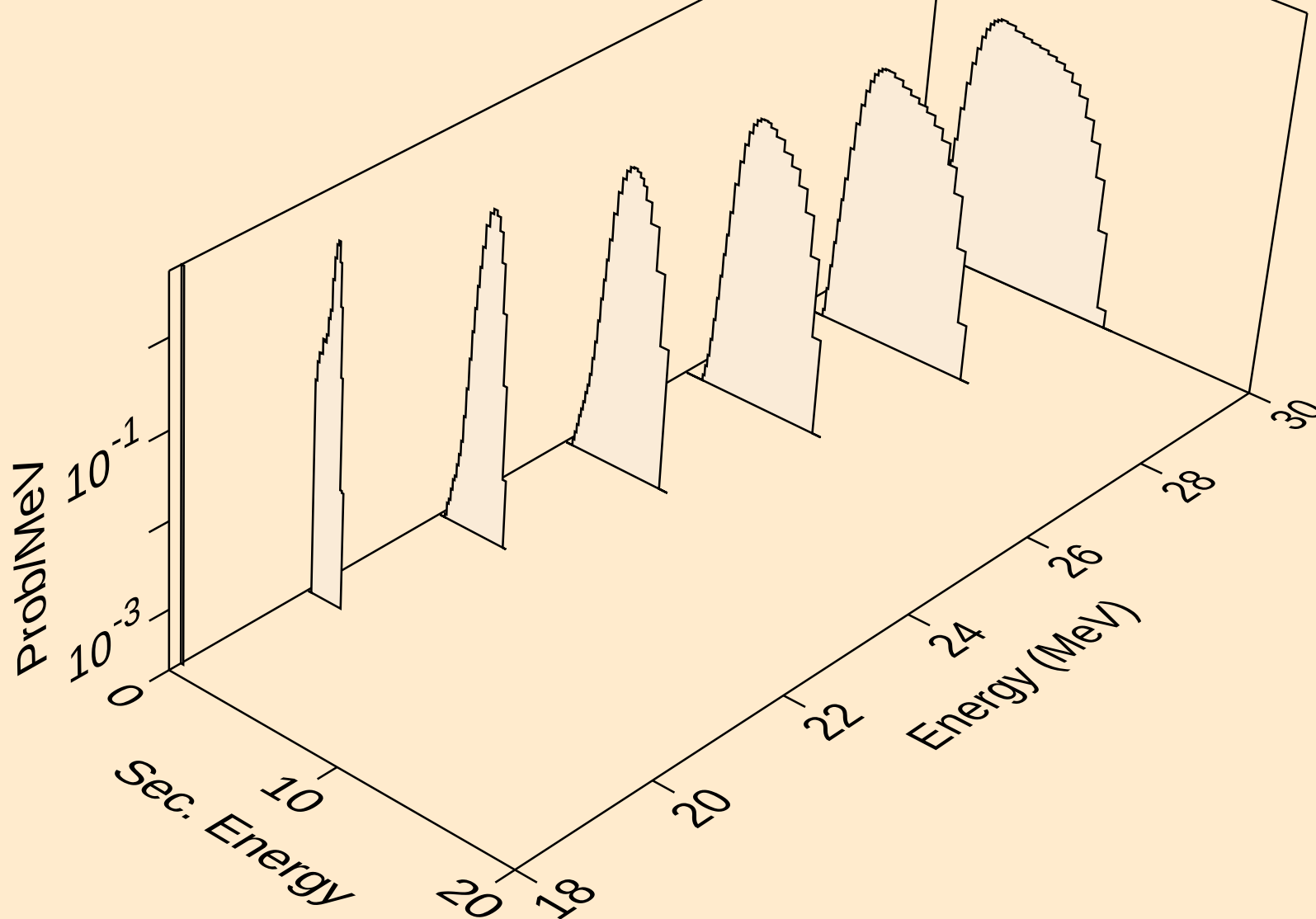
TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,n\*)p



TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
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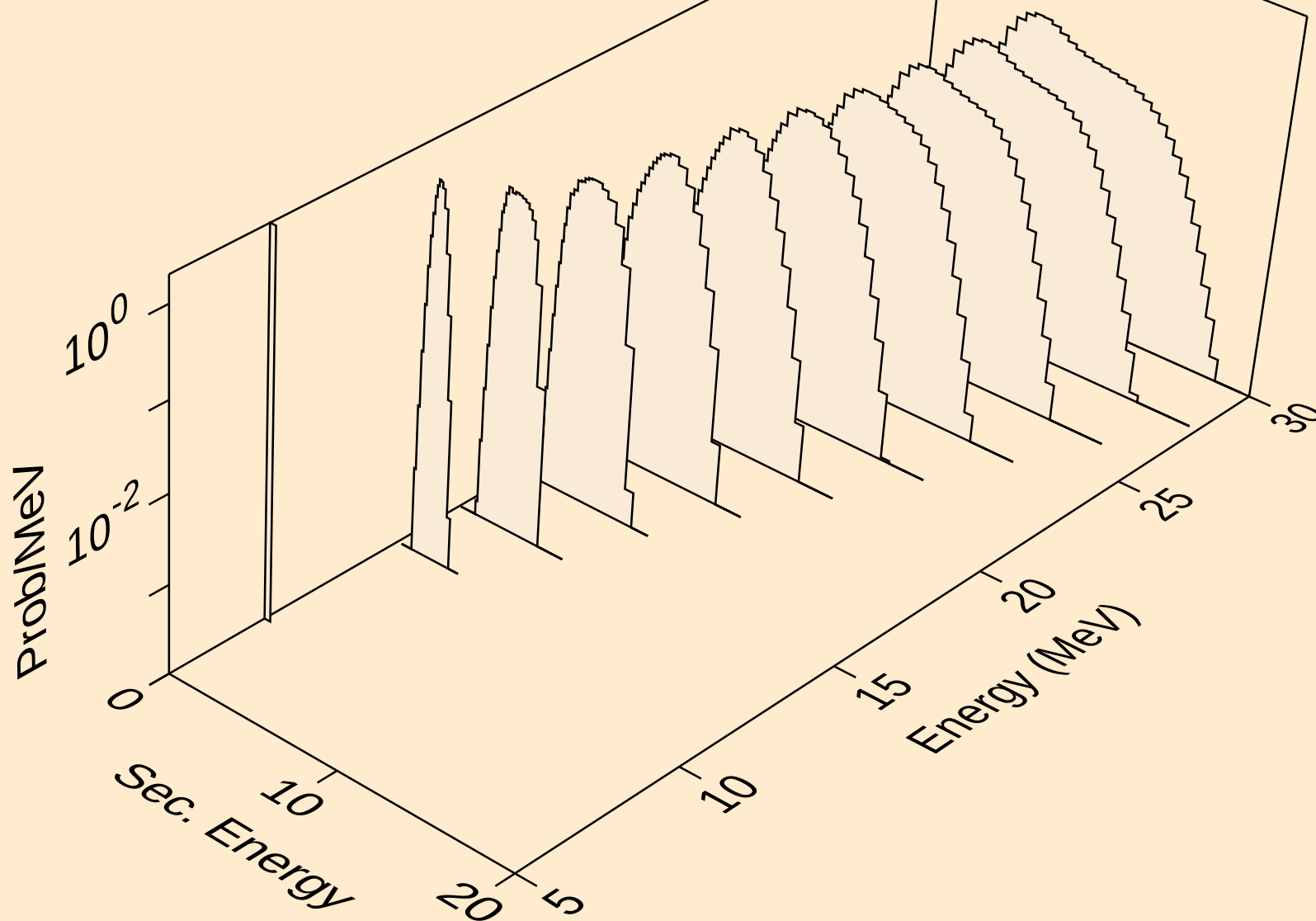


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protons from (s,3np)

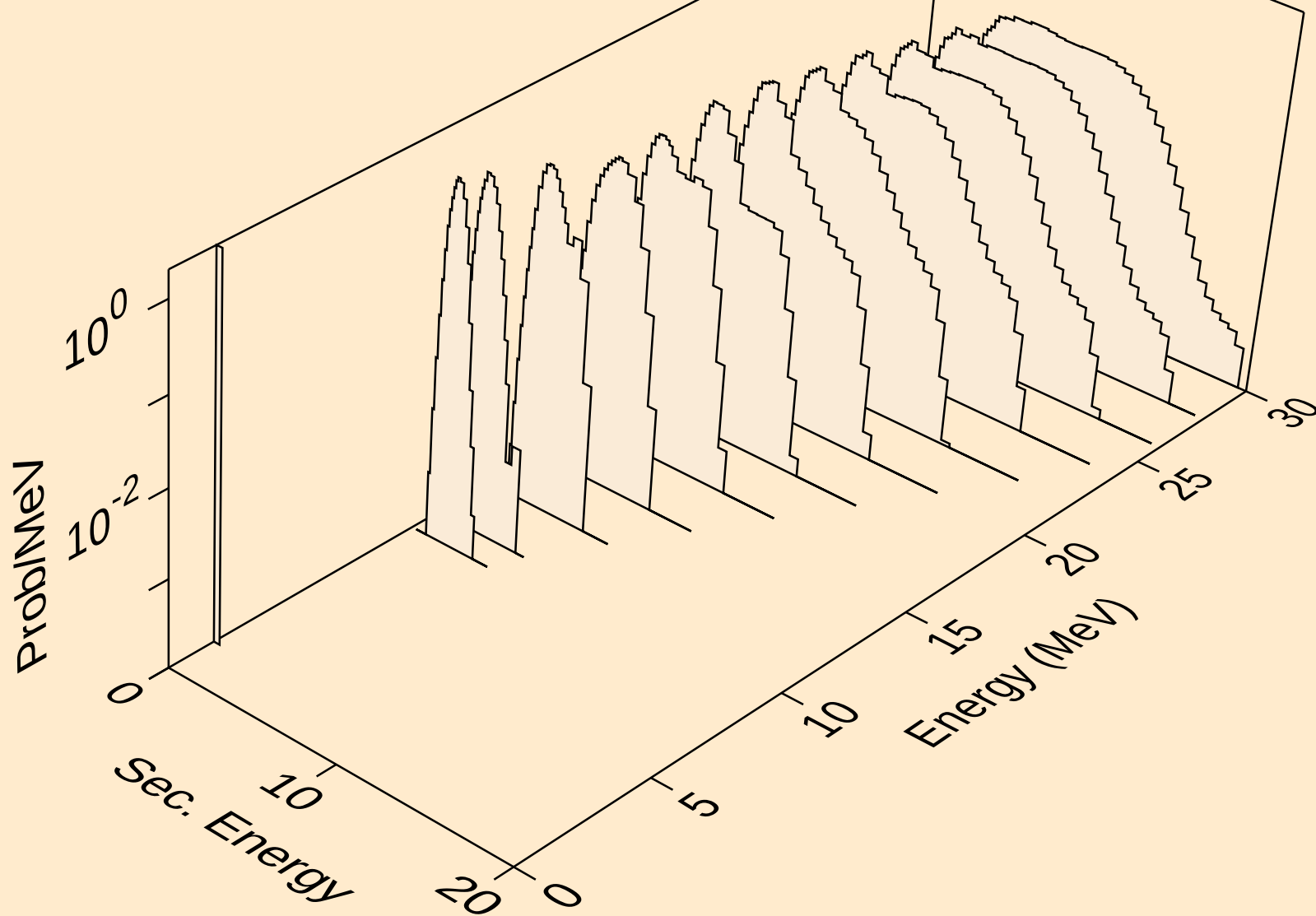




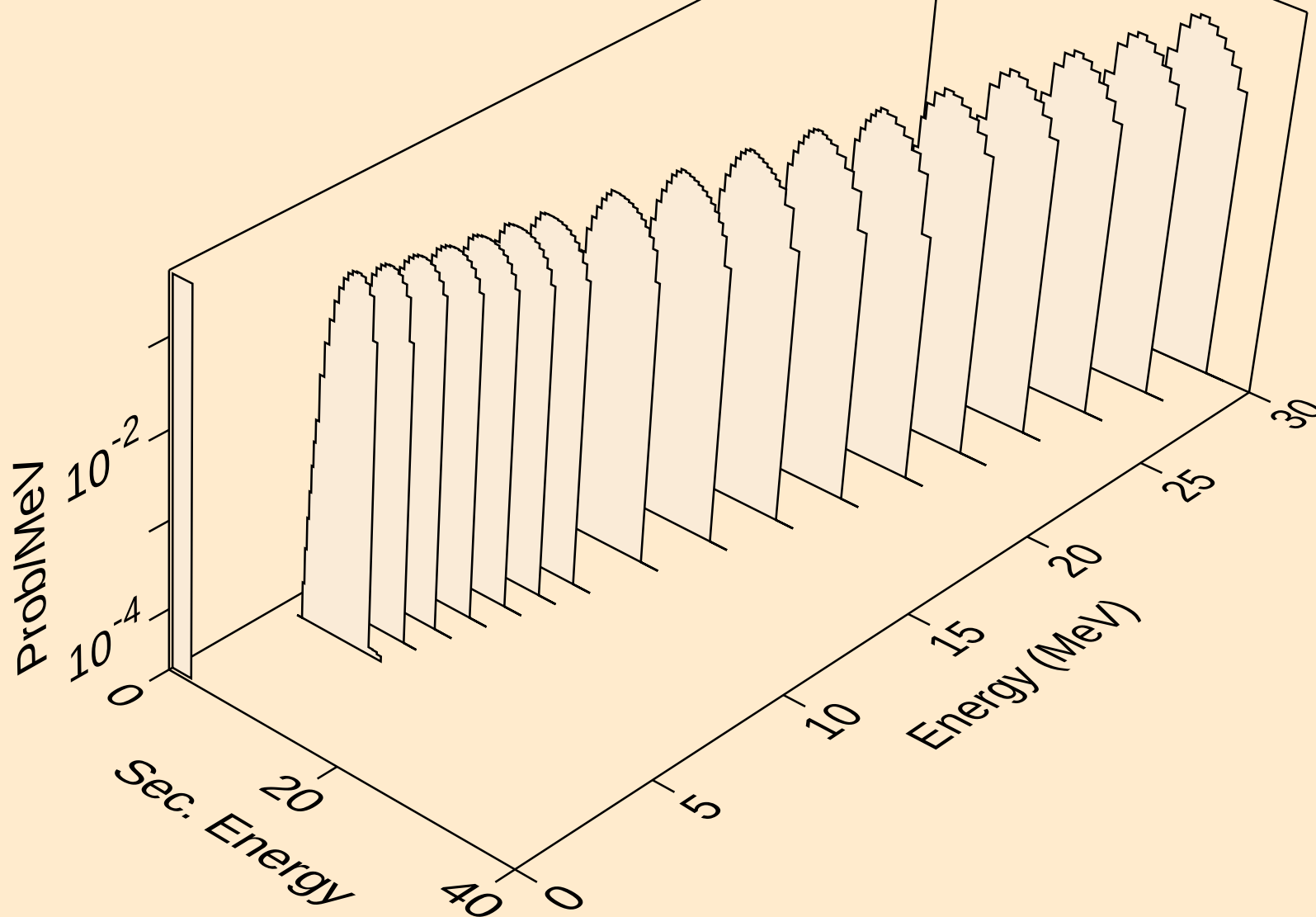
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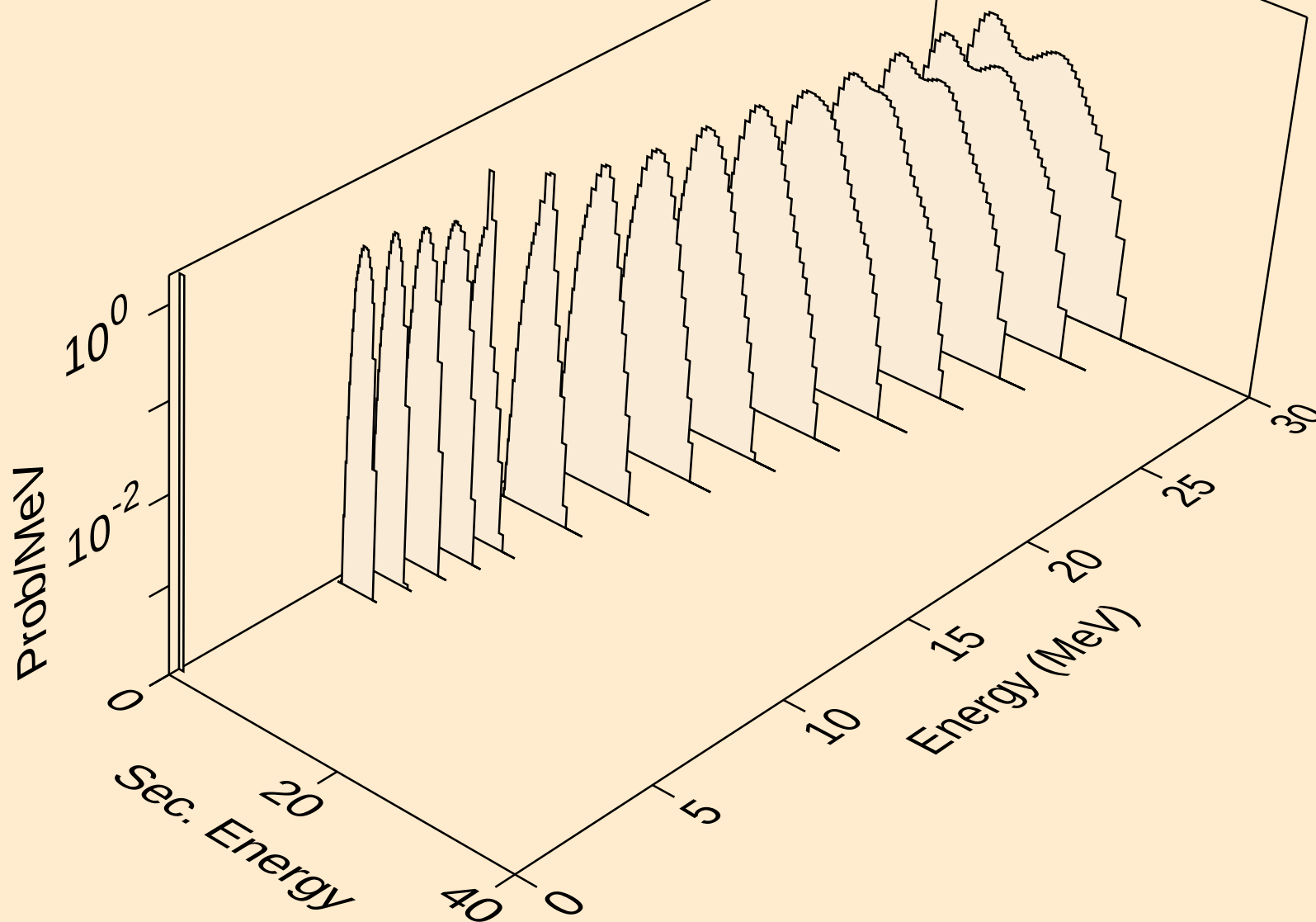
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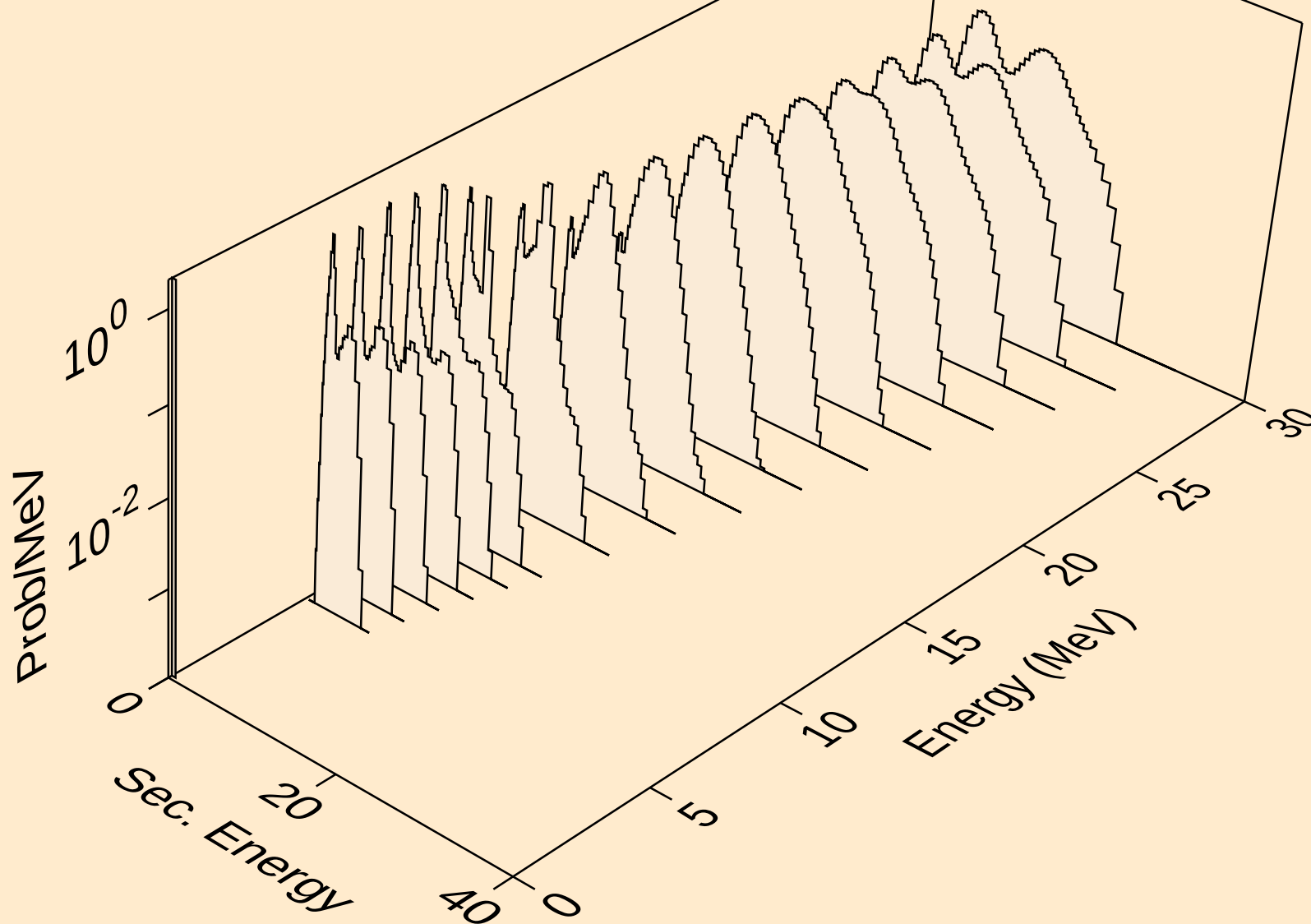
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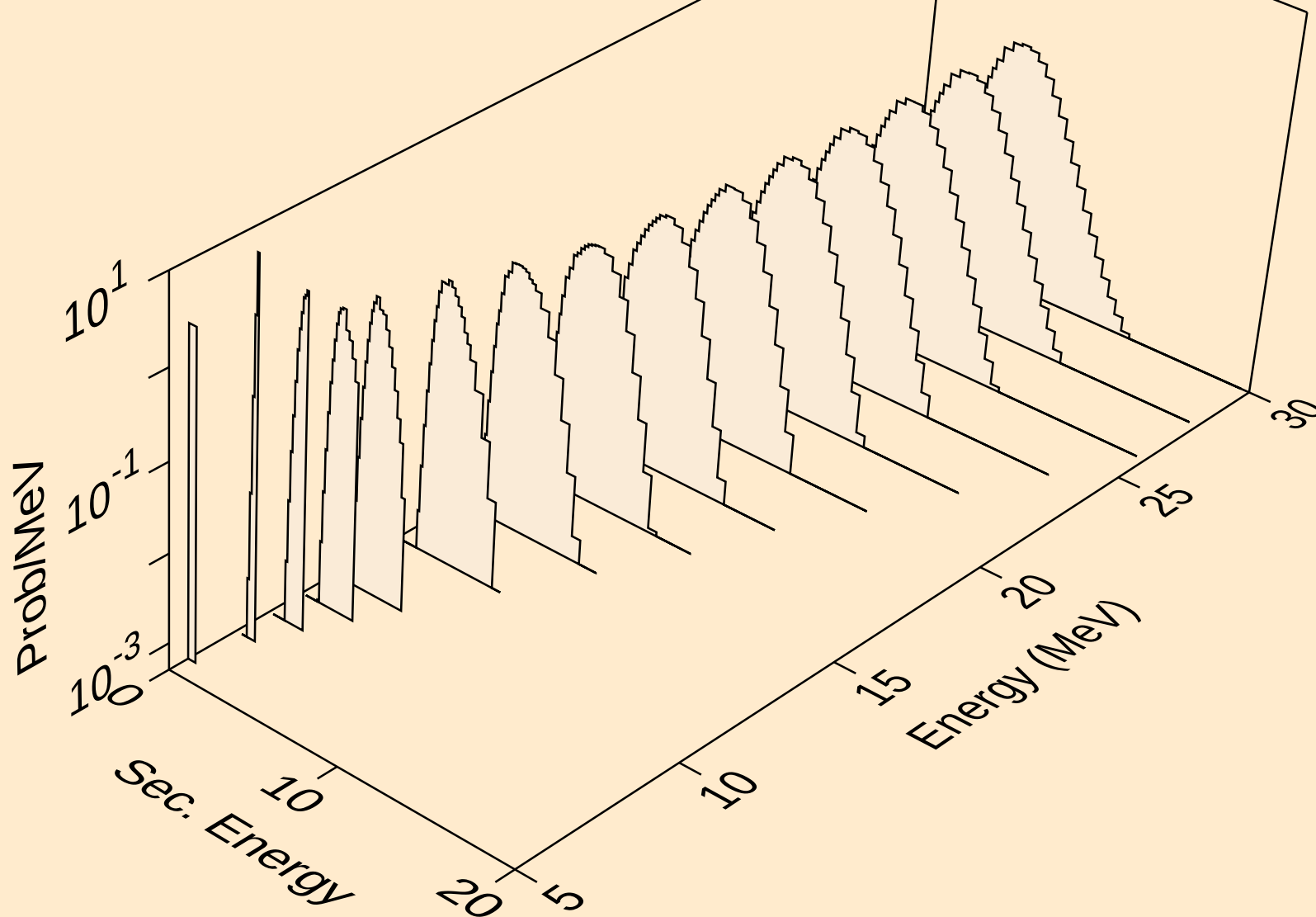
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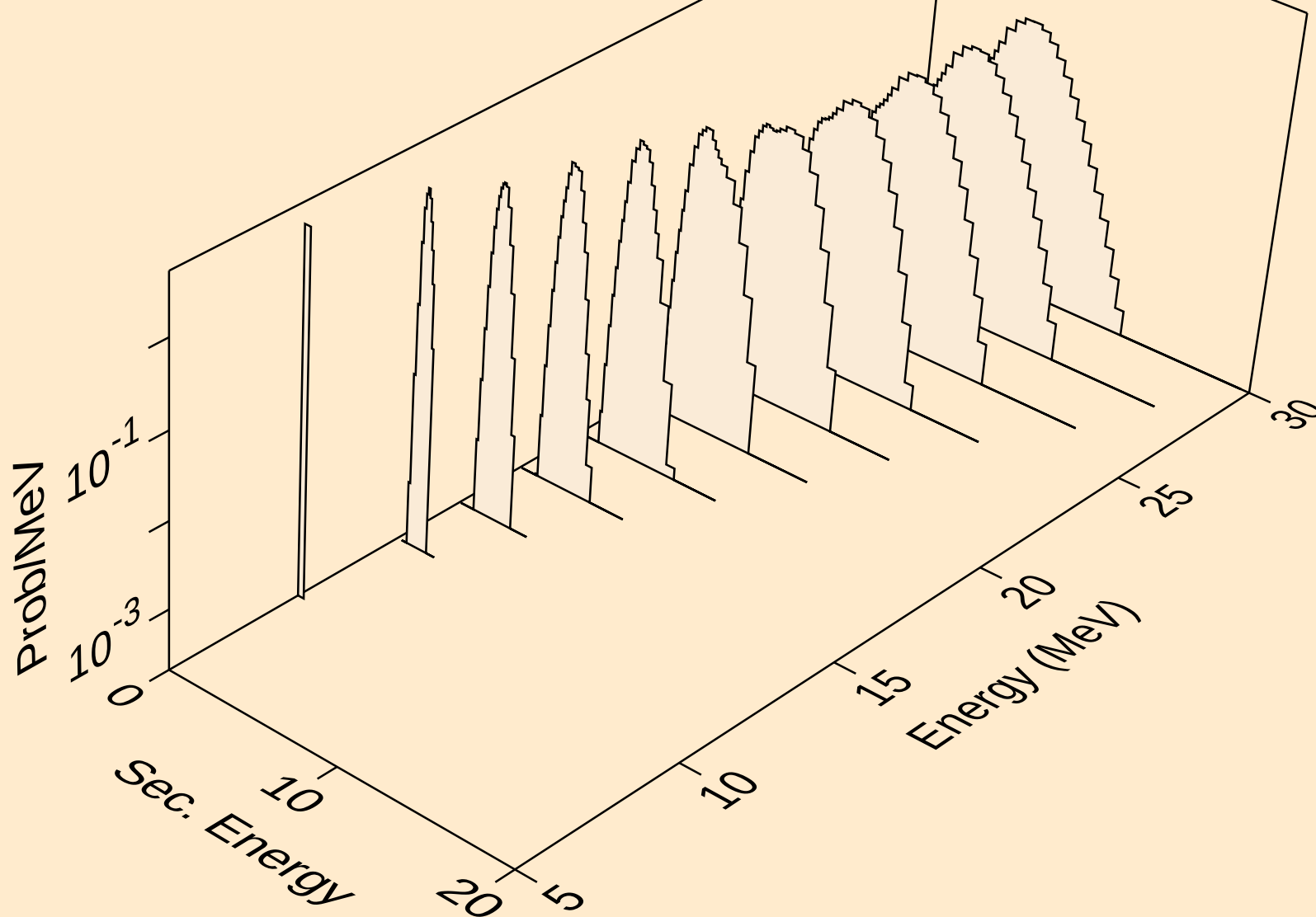
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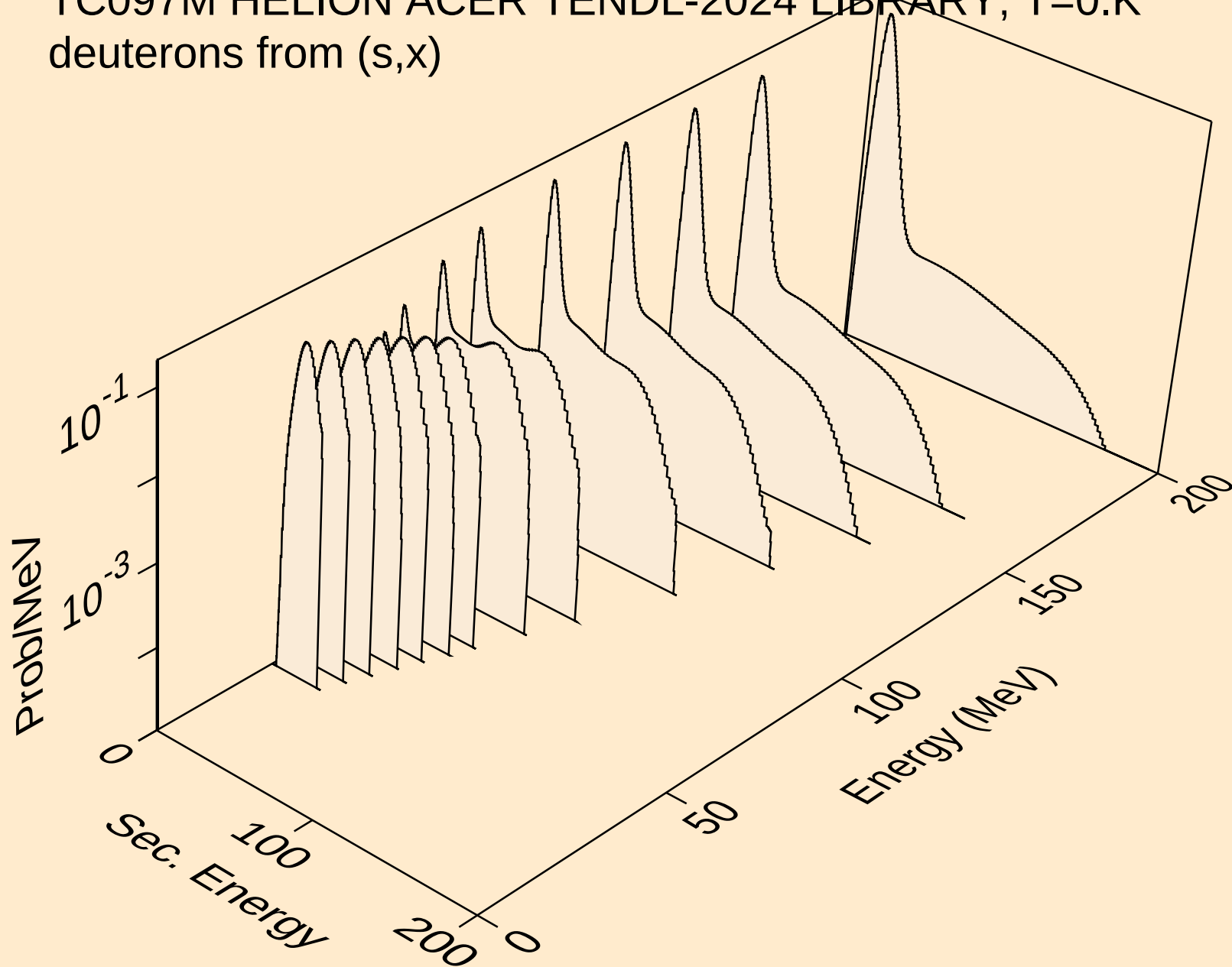
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protons from (s,pd)



TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,pt)

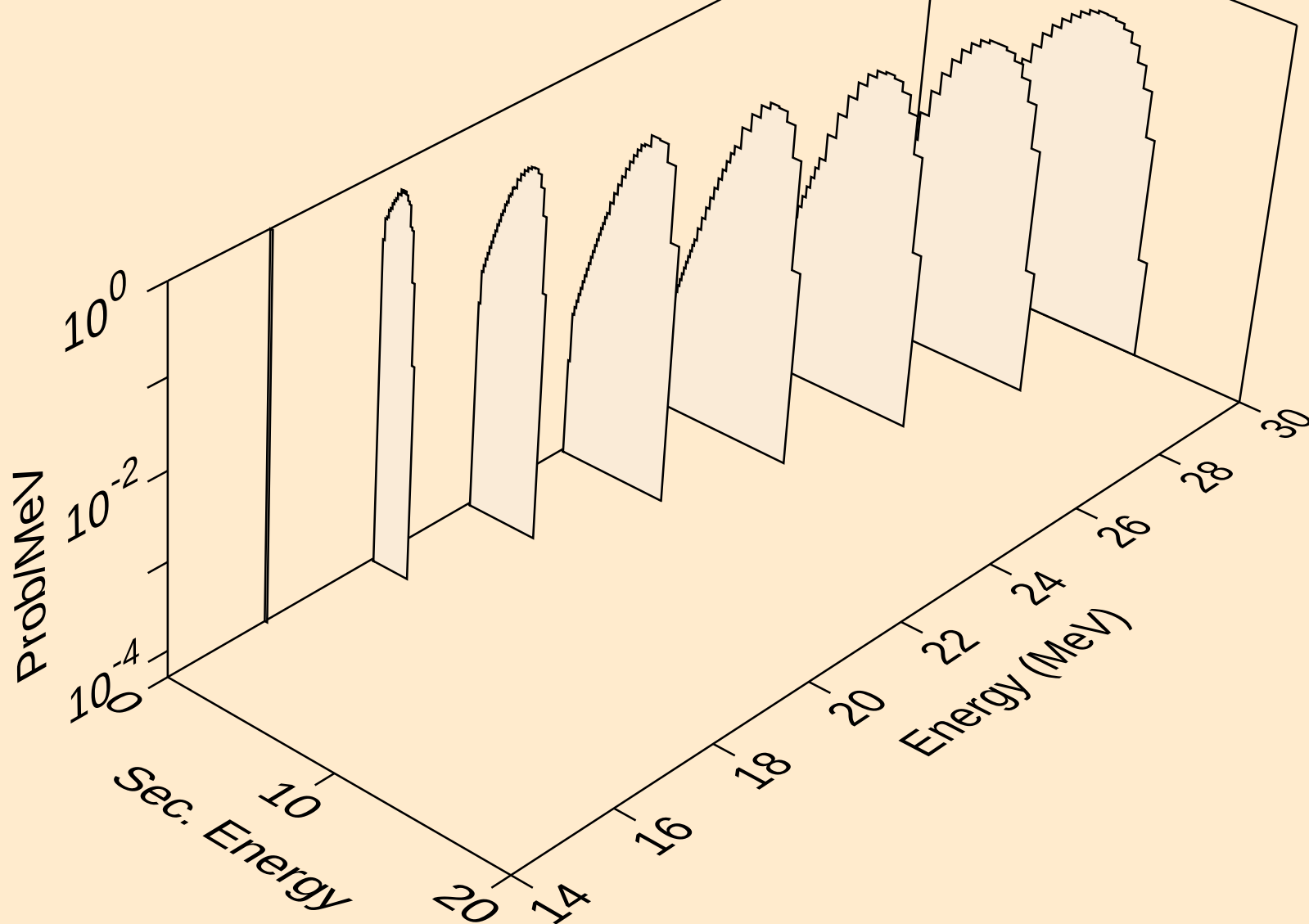


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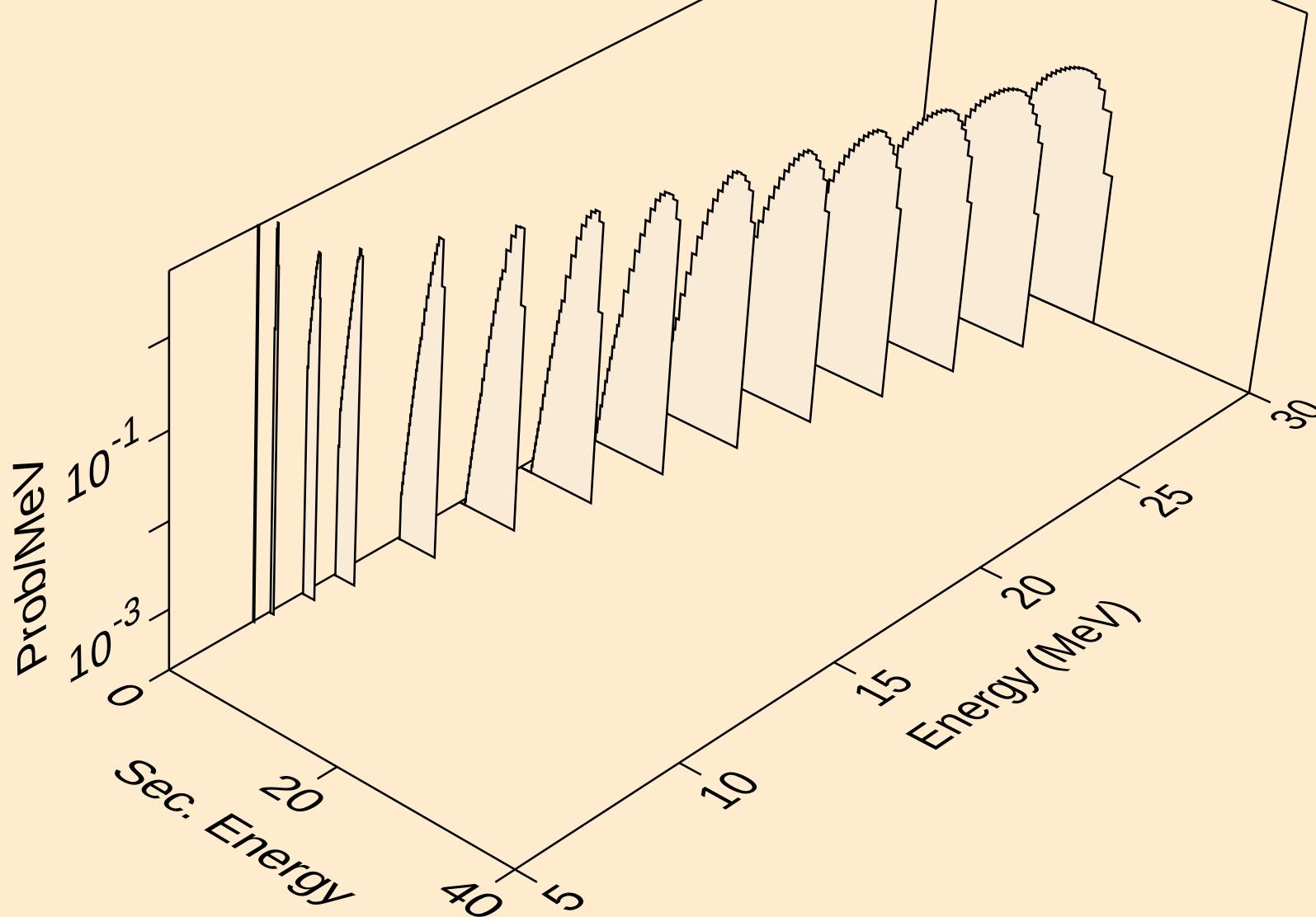




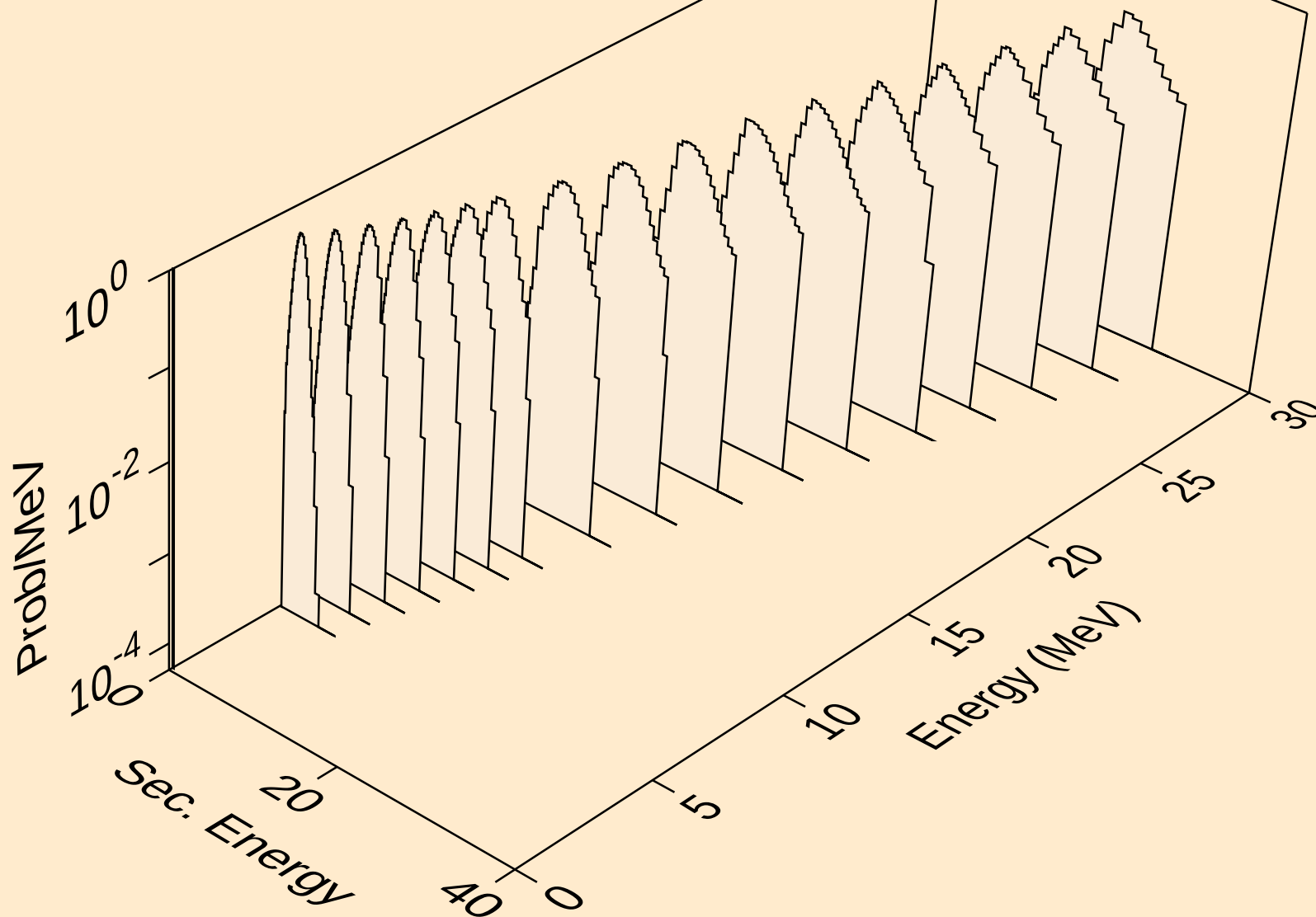
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deuterons from (s,2nd)



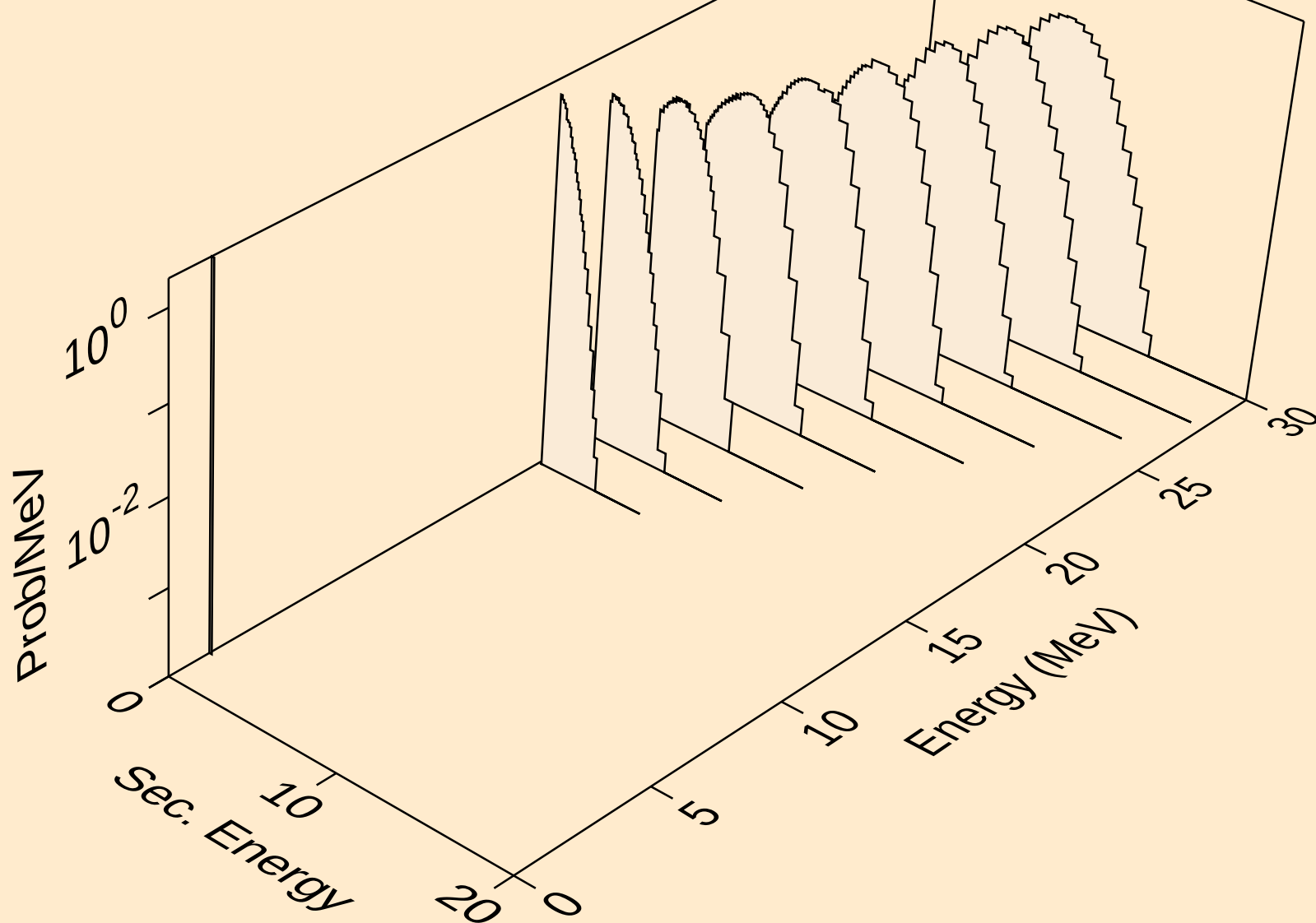
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deuterons from (s,n\*)d



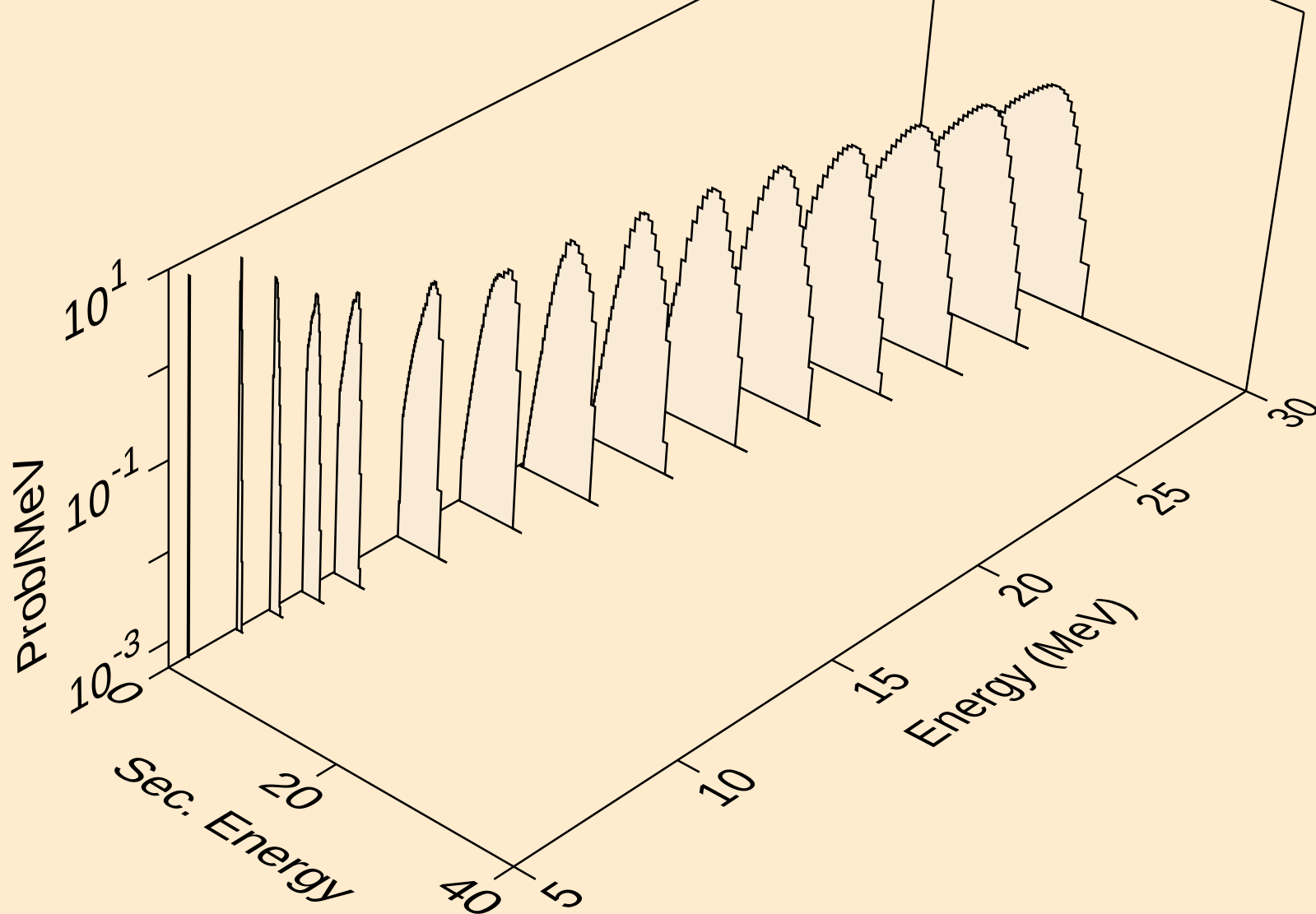
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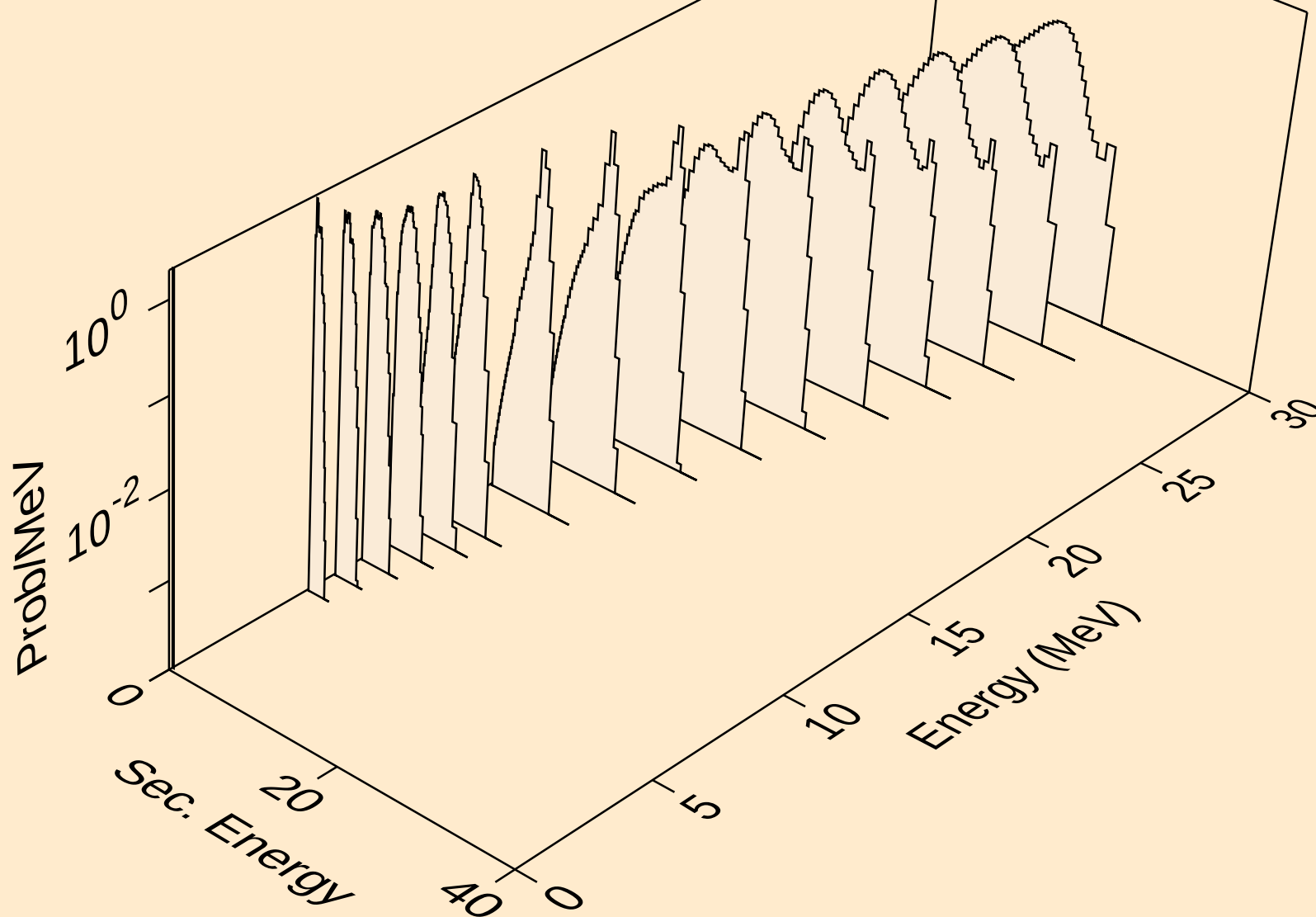
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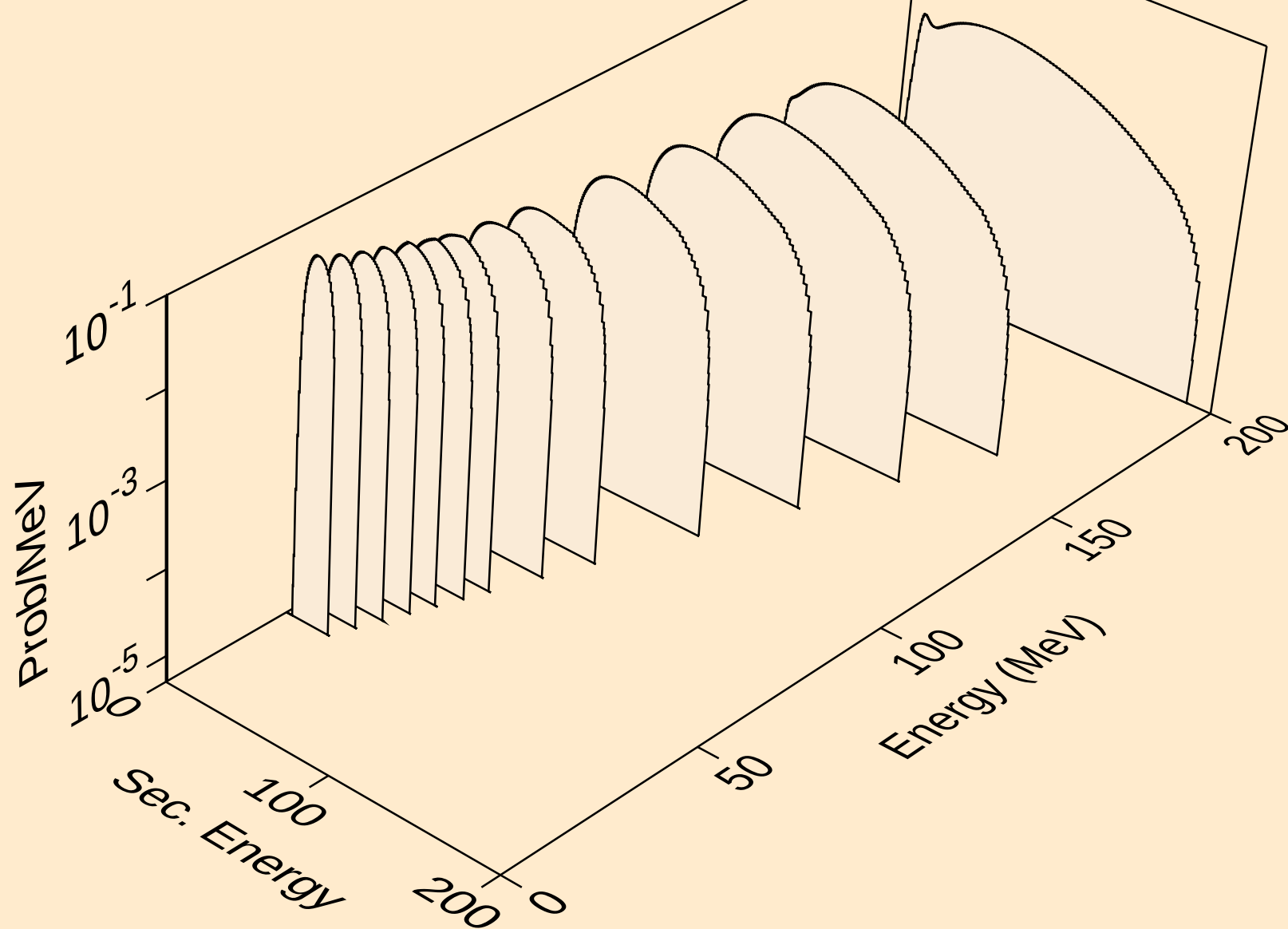
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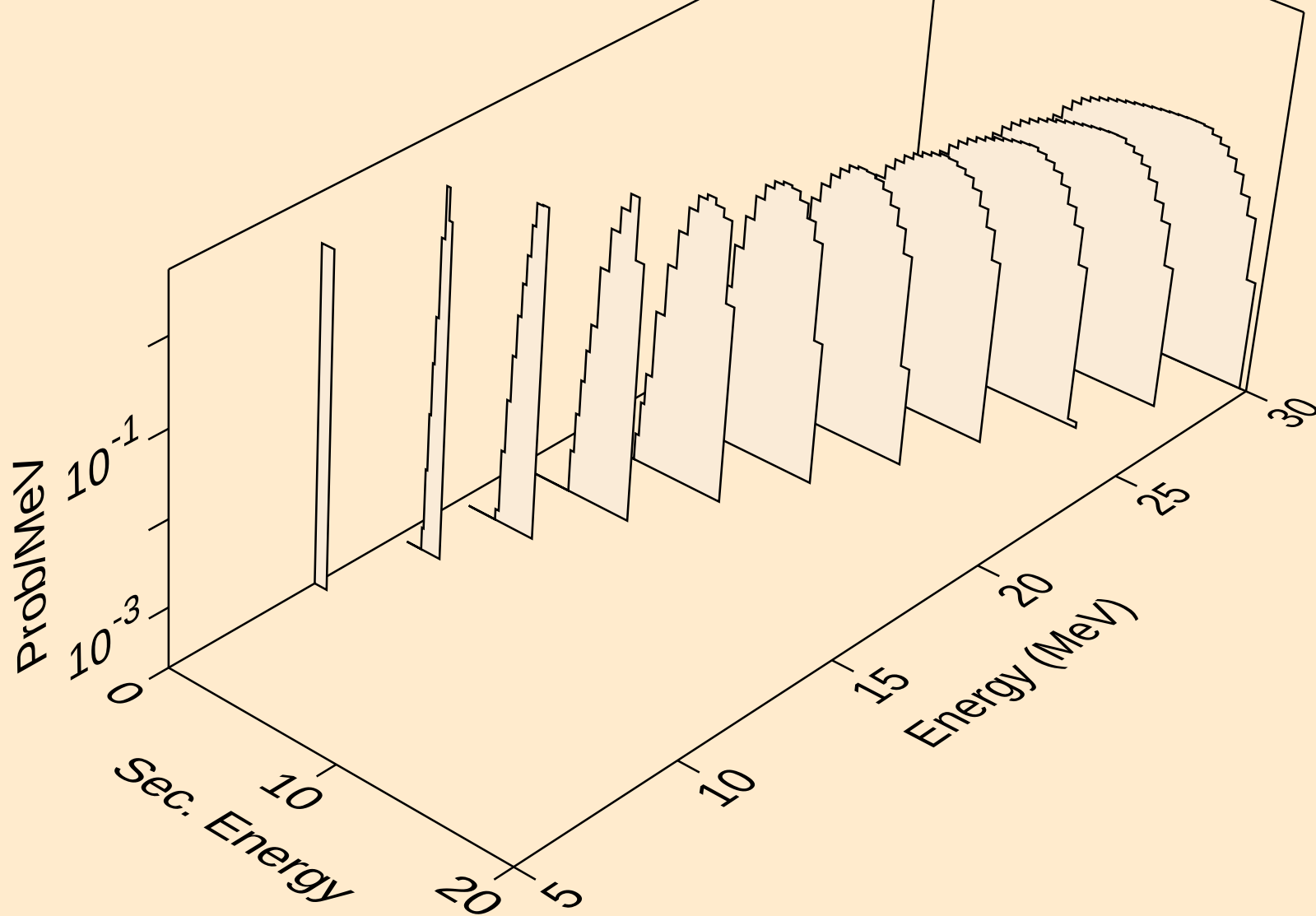
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deuterons from (s,da)



TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (s,x)

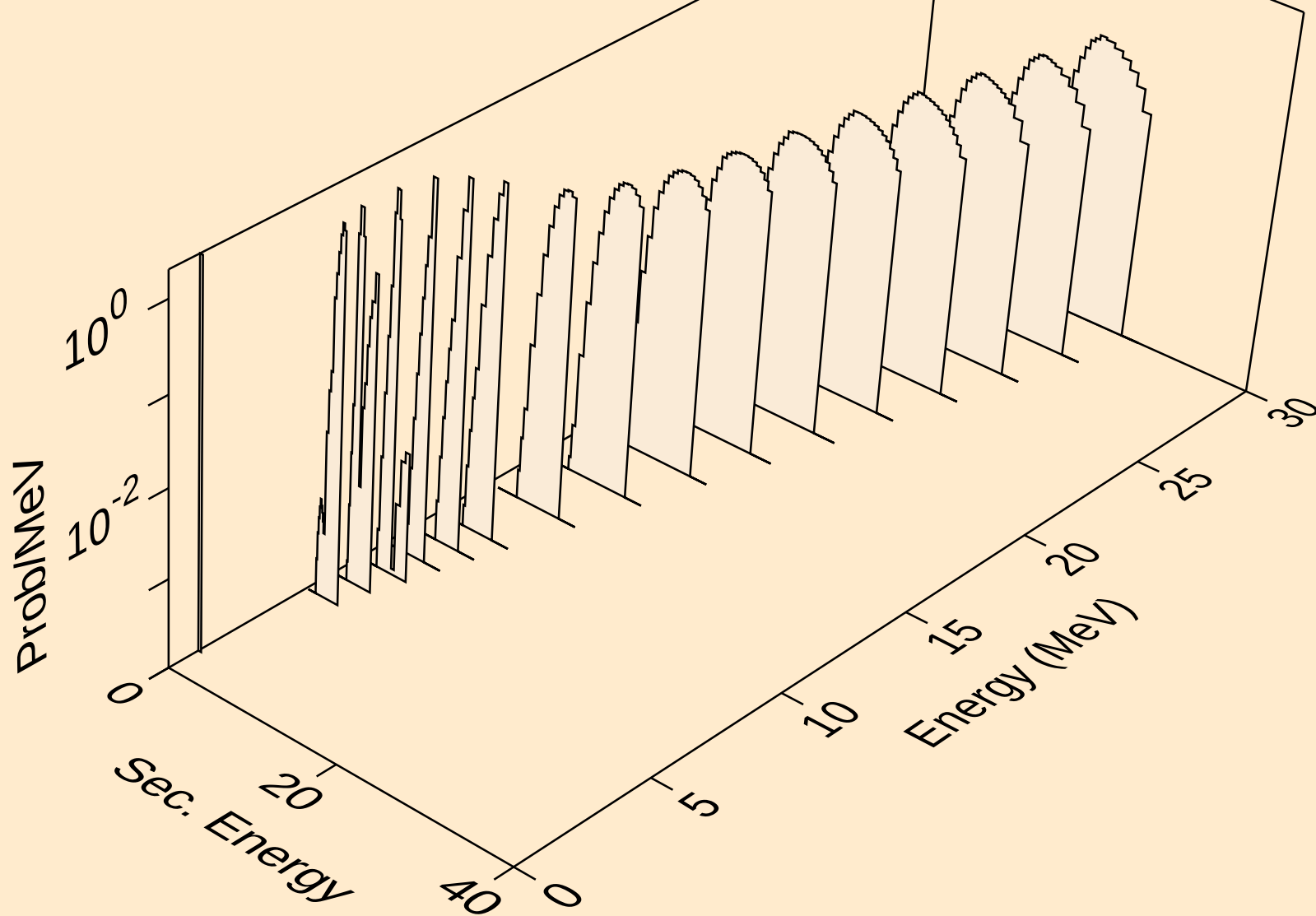


TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (s,n\*)t

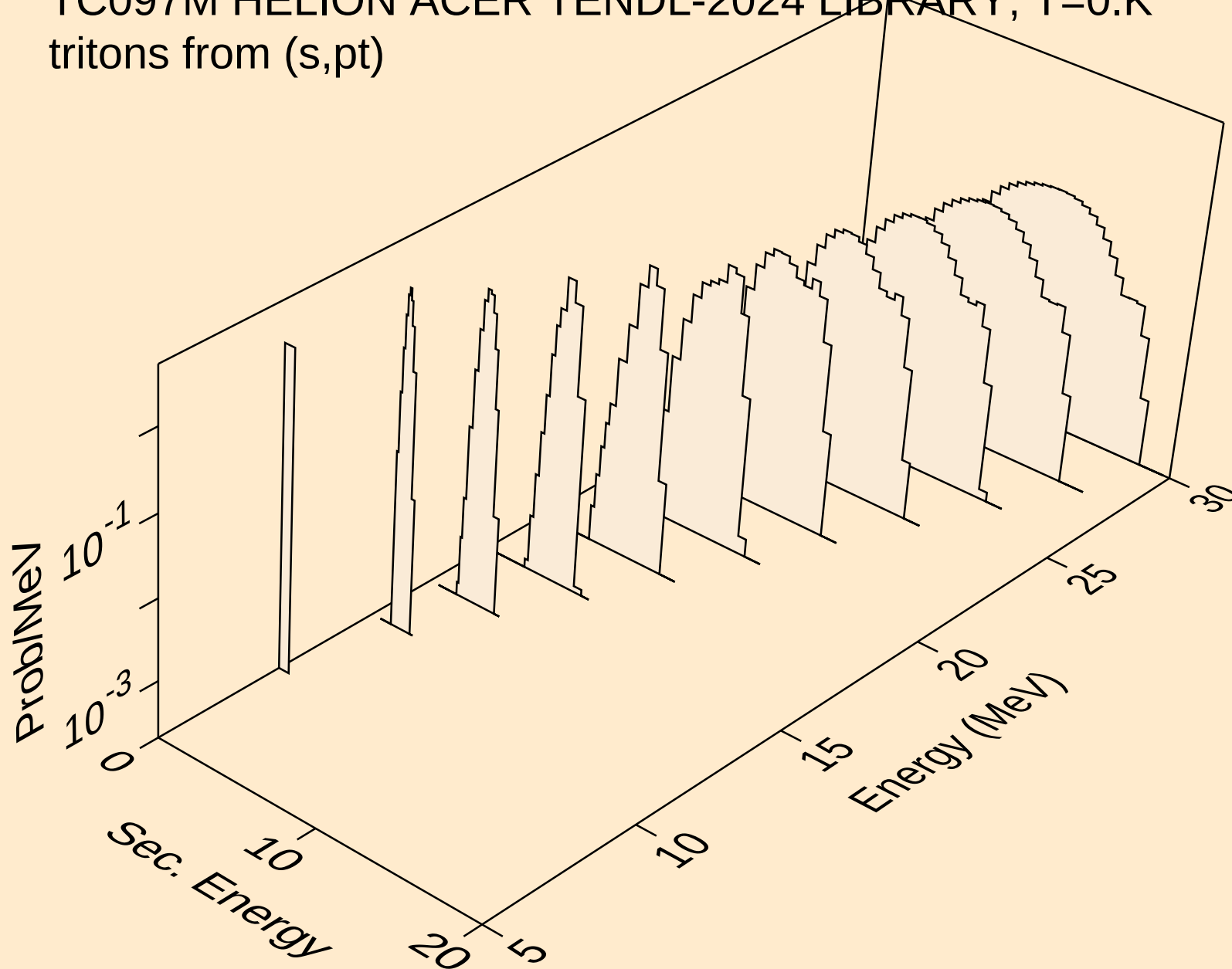




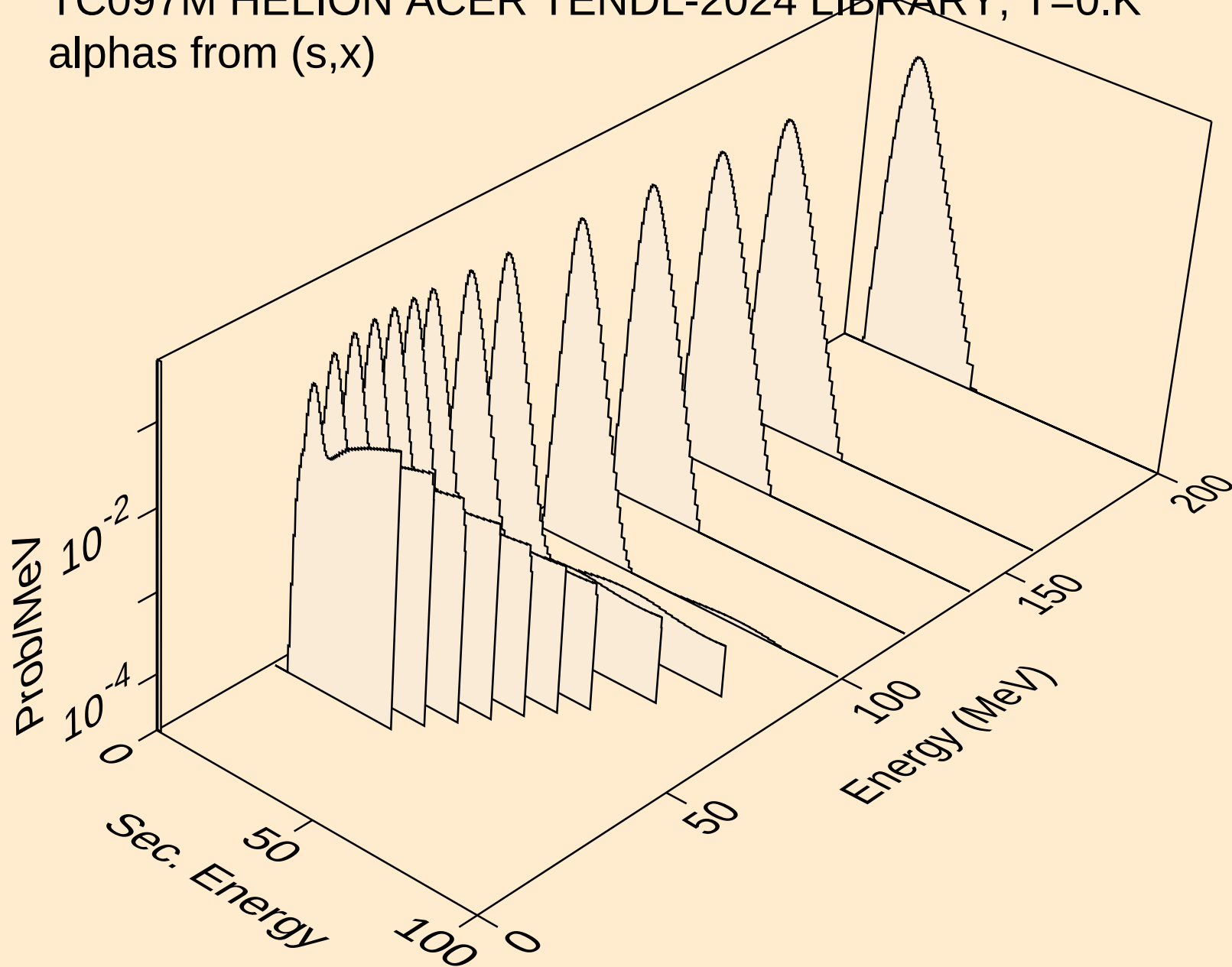
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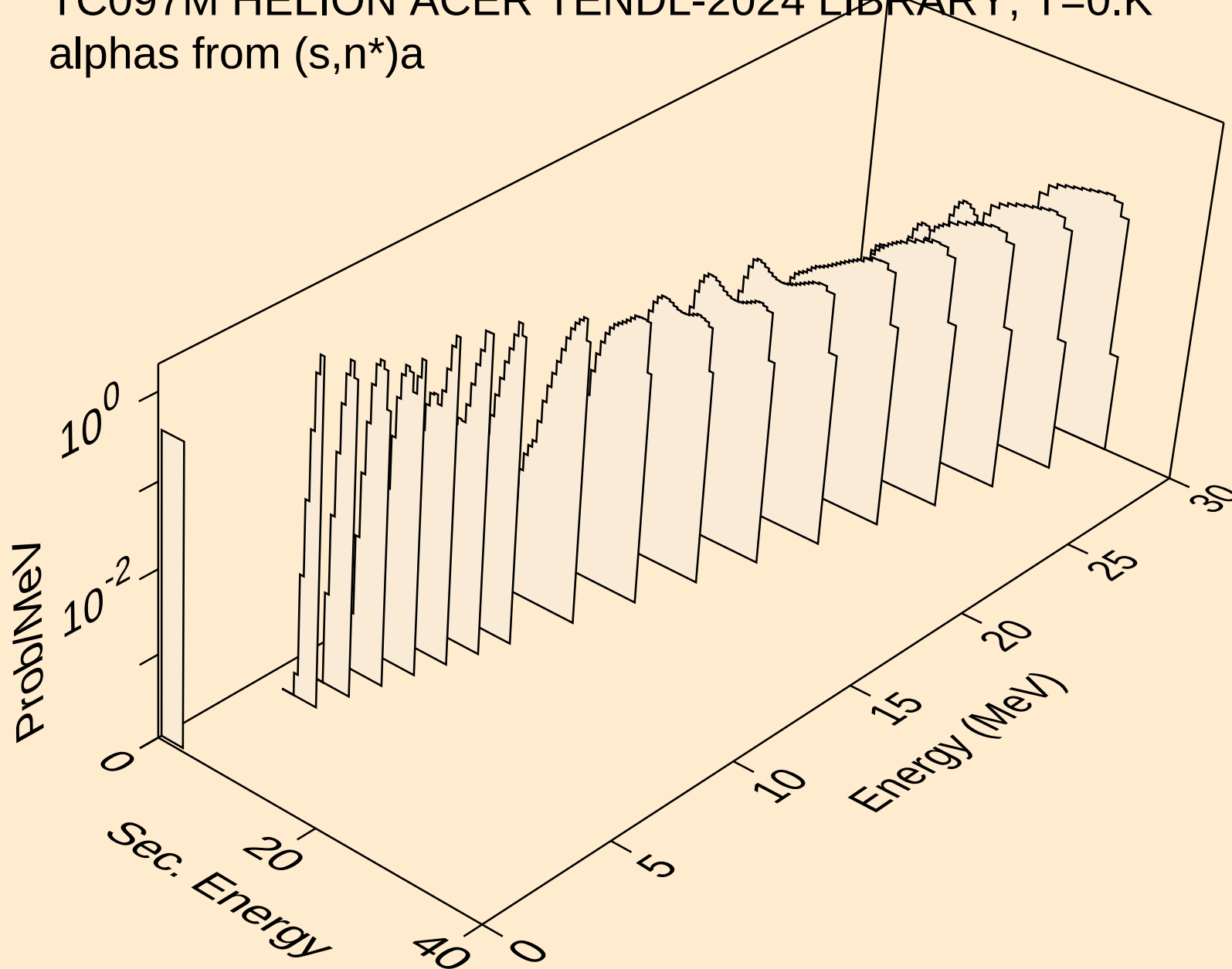
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tritons from (s,pt)



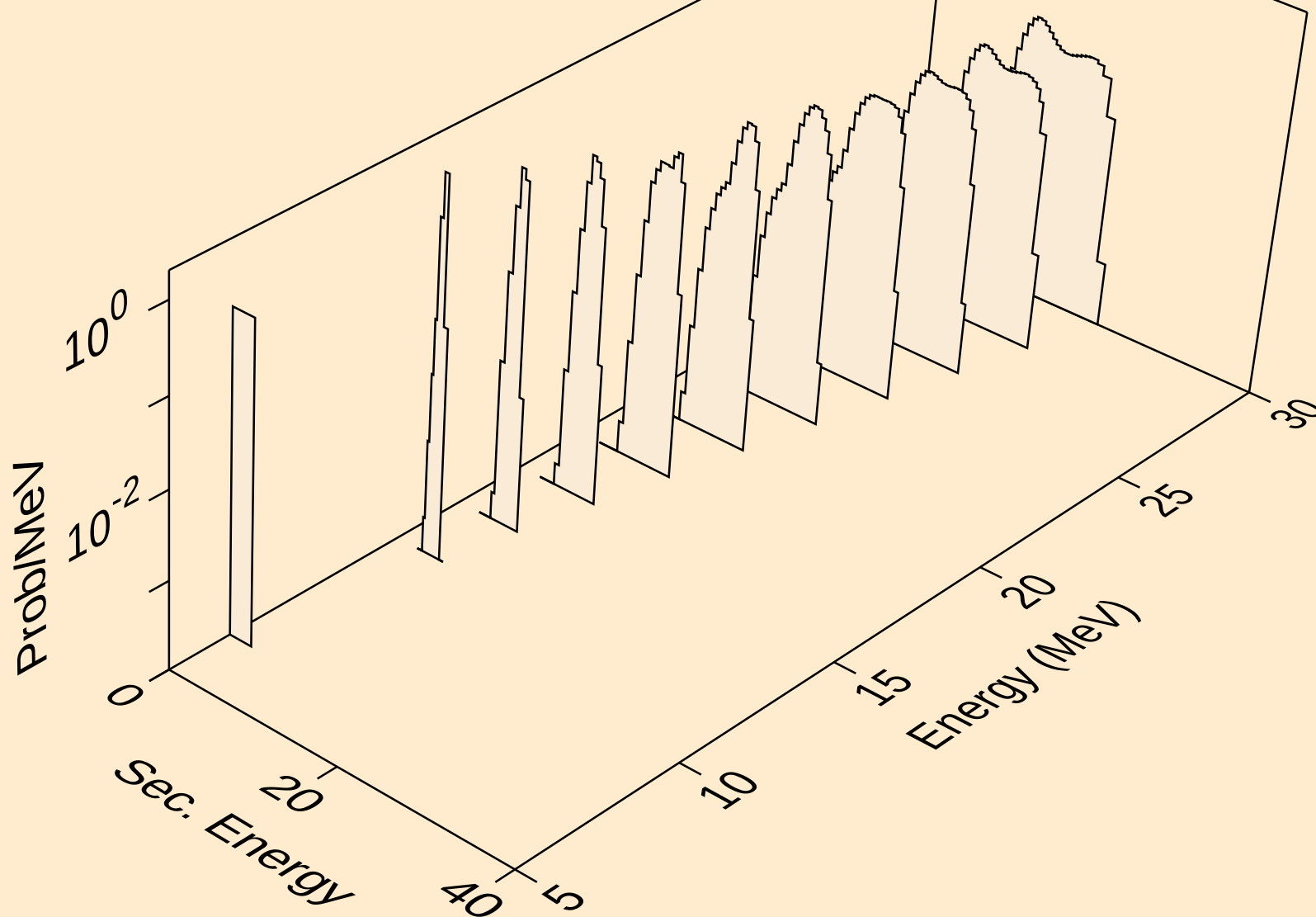
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alphas from (s,x)



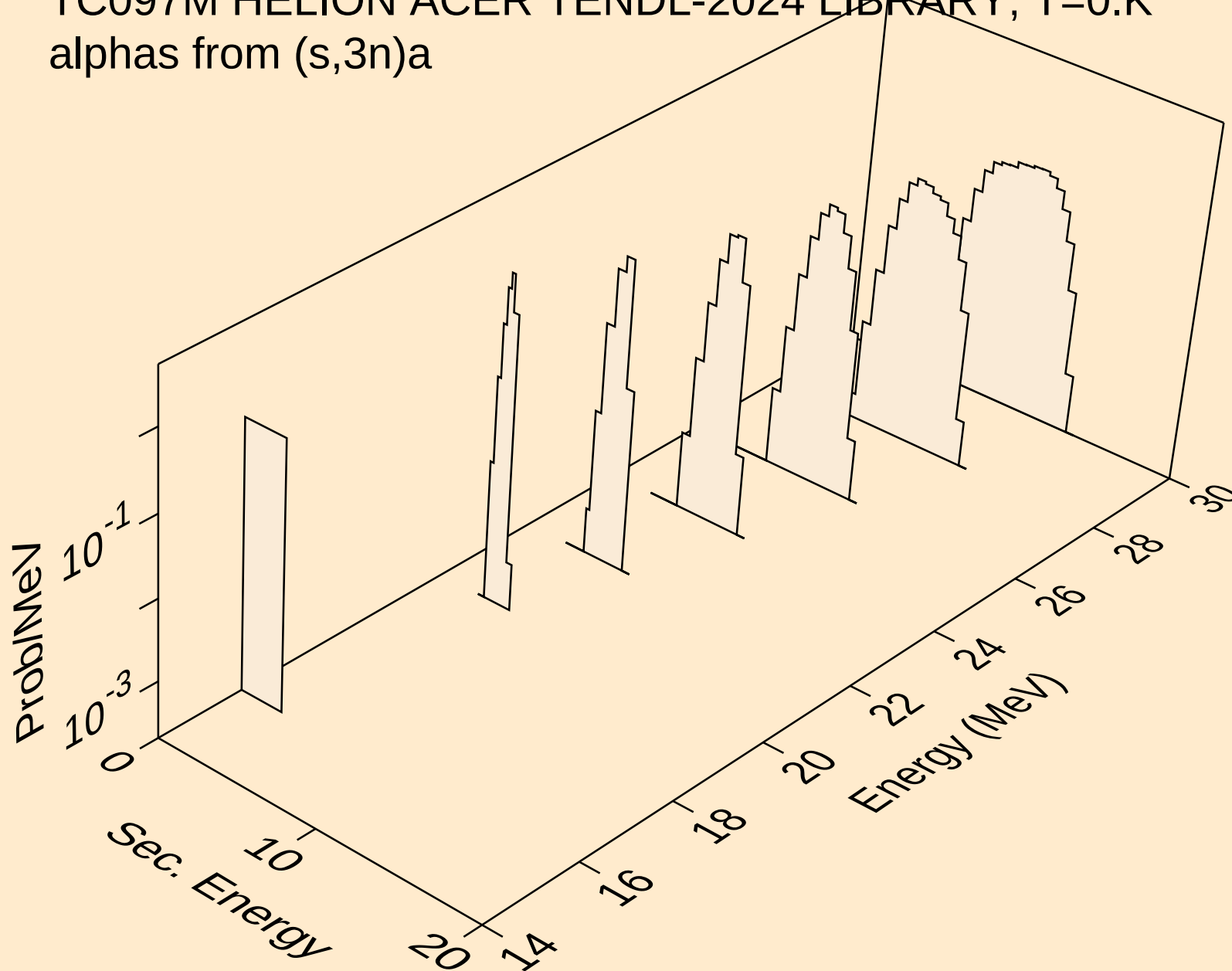
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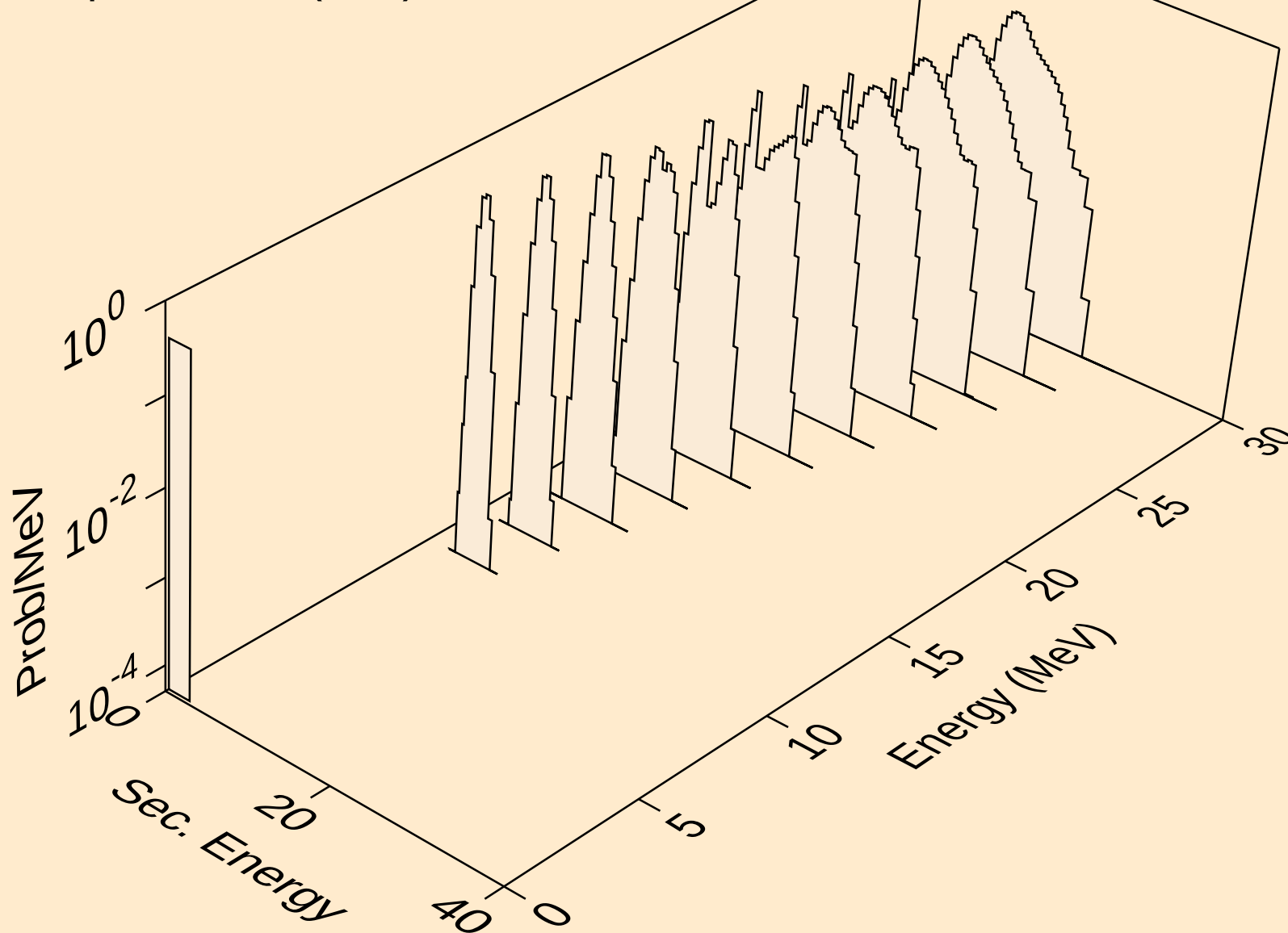
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alphas from (s,2n)a



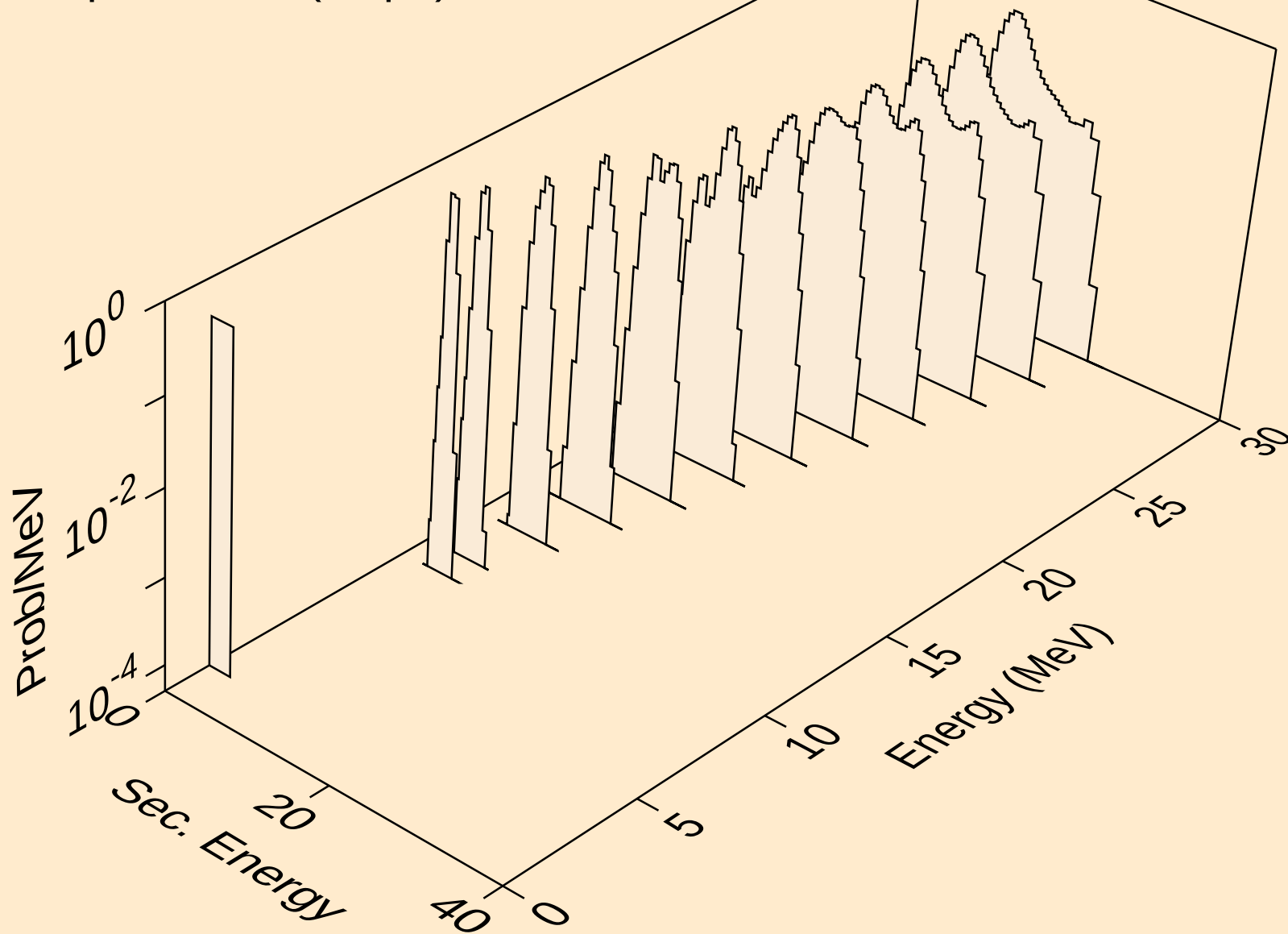
TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,3n)a



TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,n\*)2a

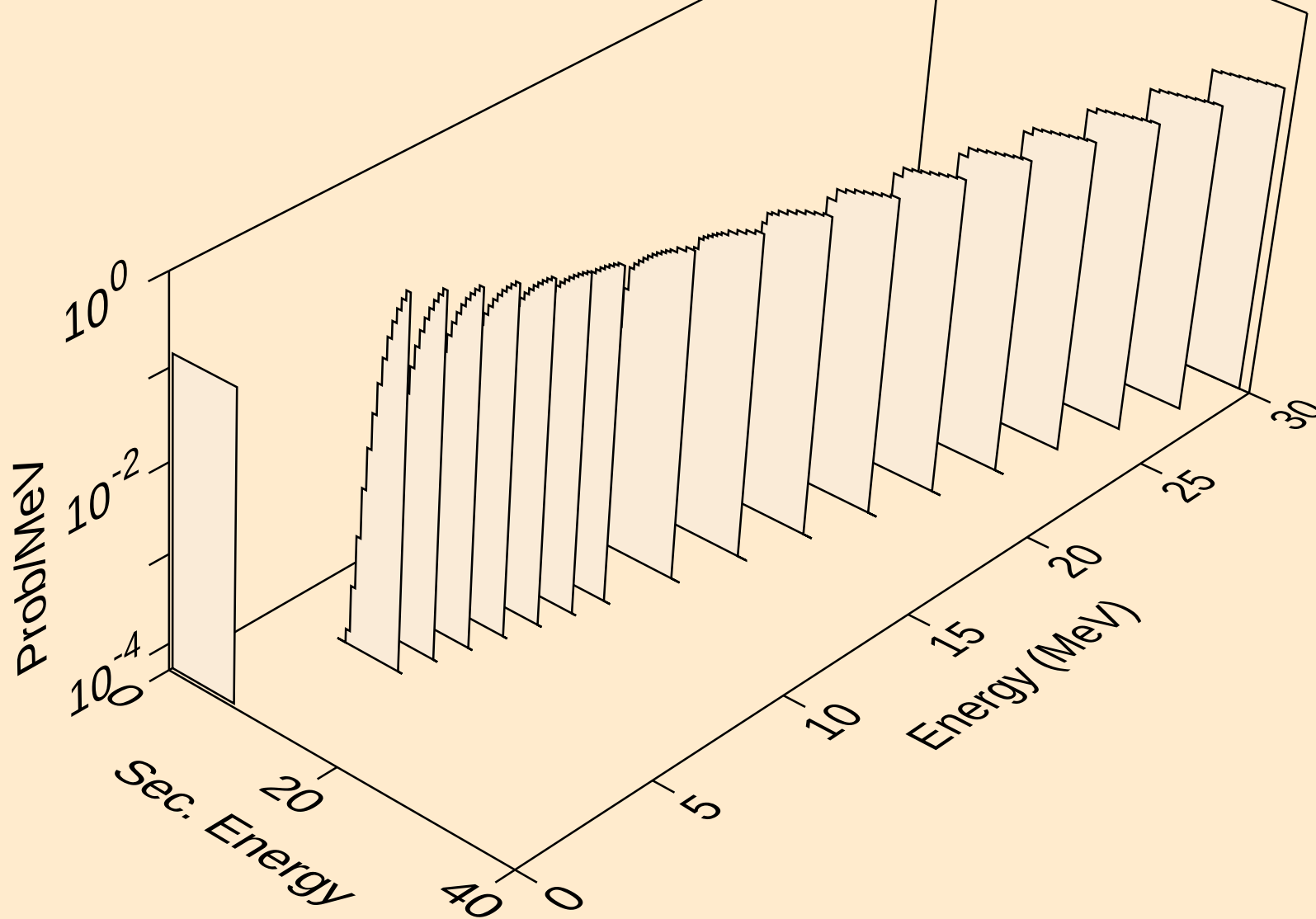


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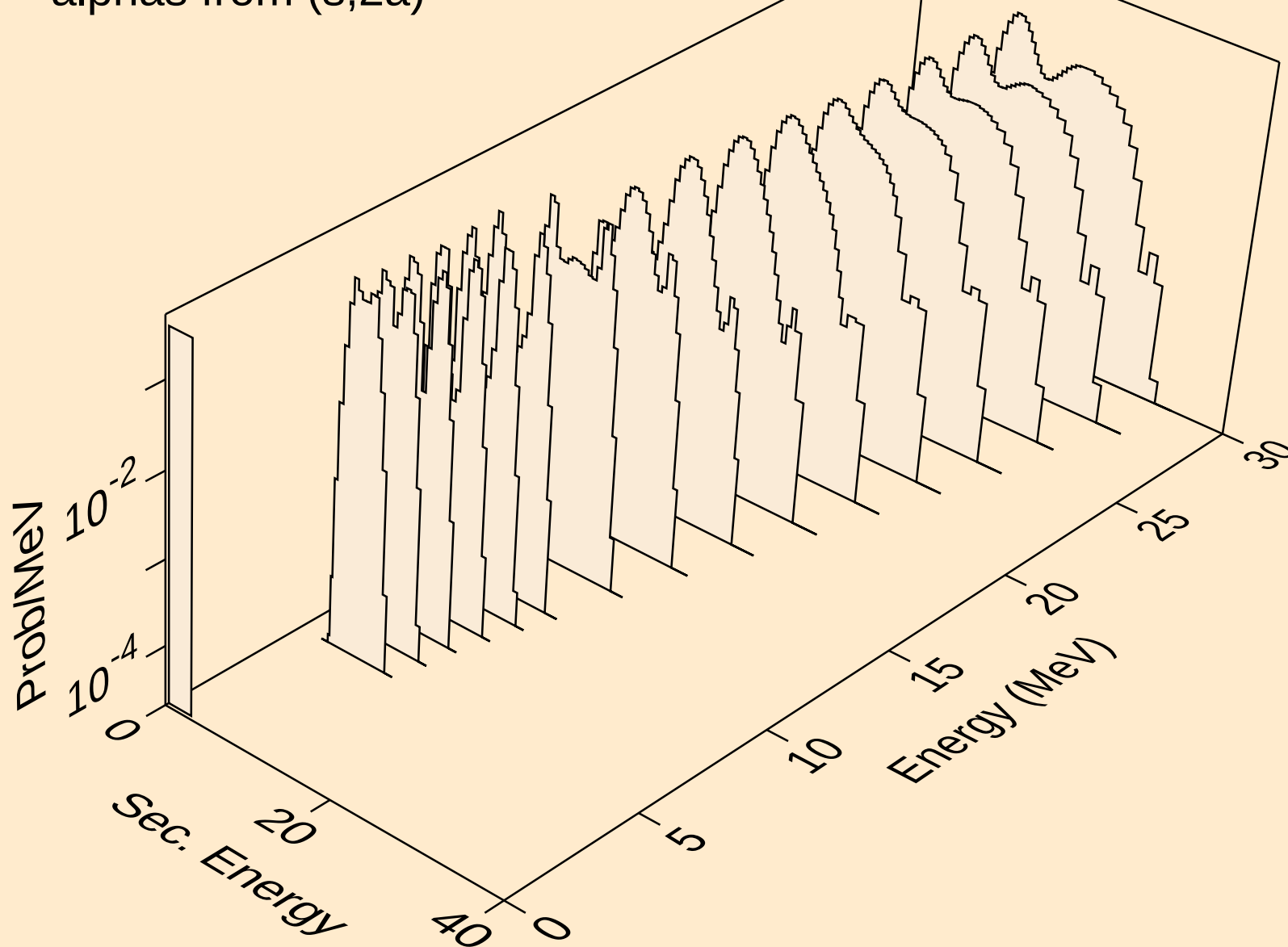




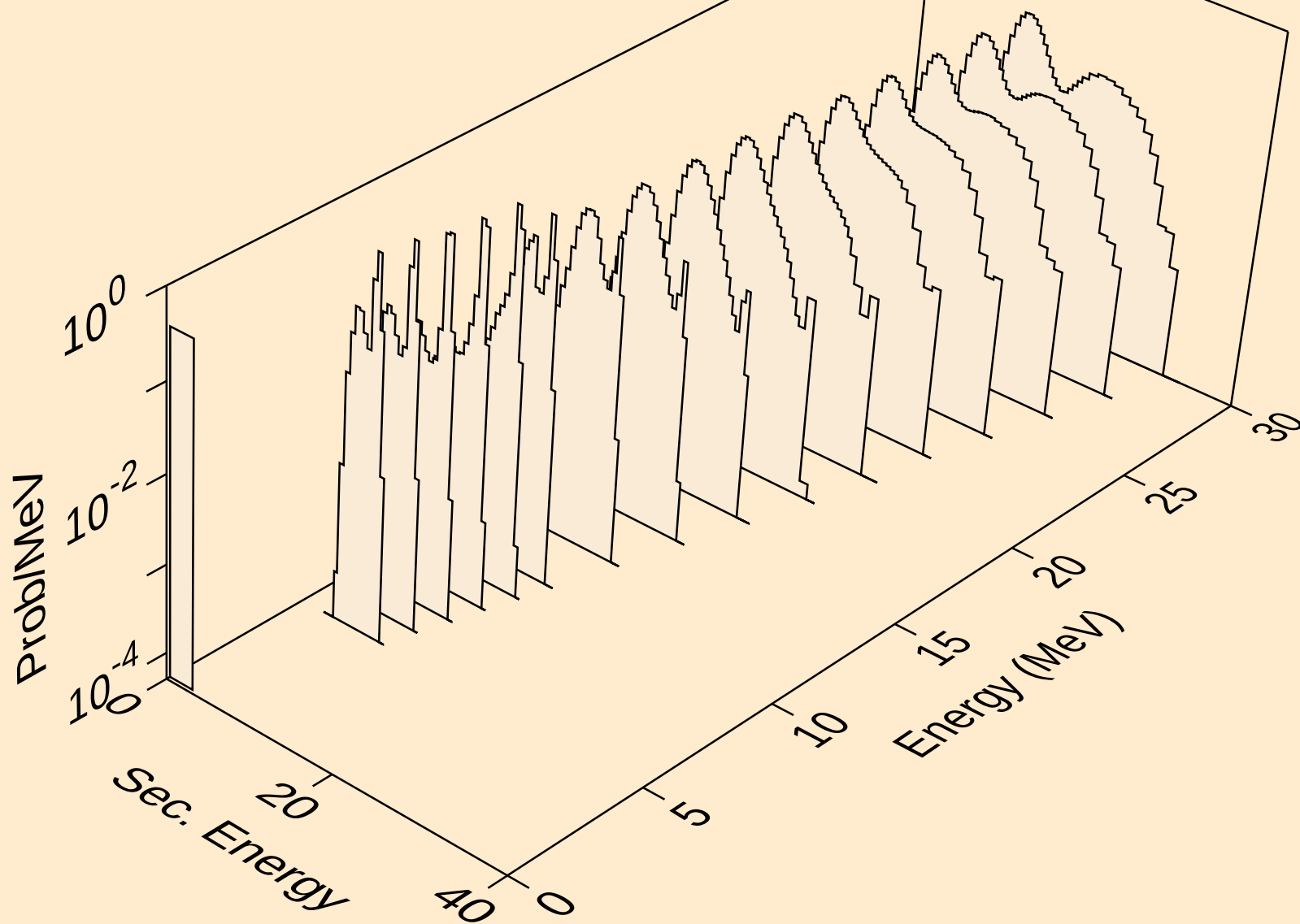
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alphas from (s,a)



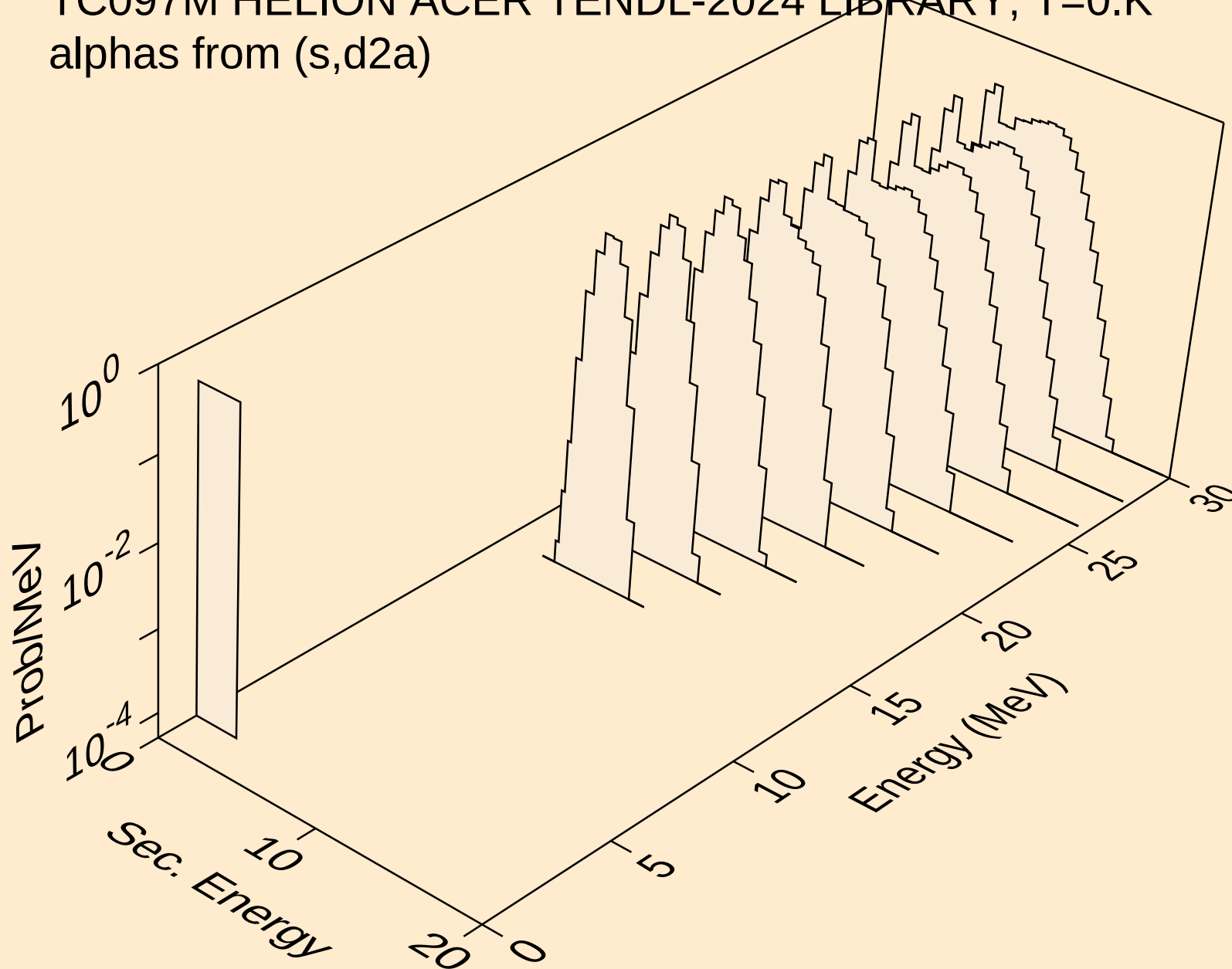
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alphas from (s,2a)



TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,pa)



TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,d2a)



TC097M HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,da)

