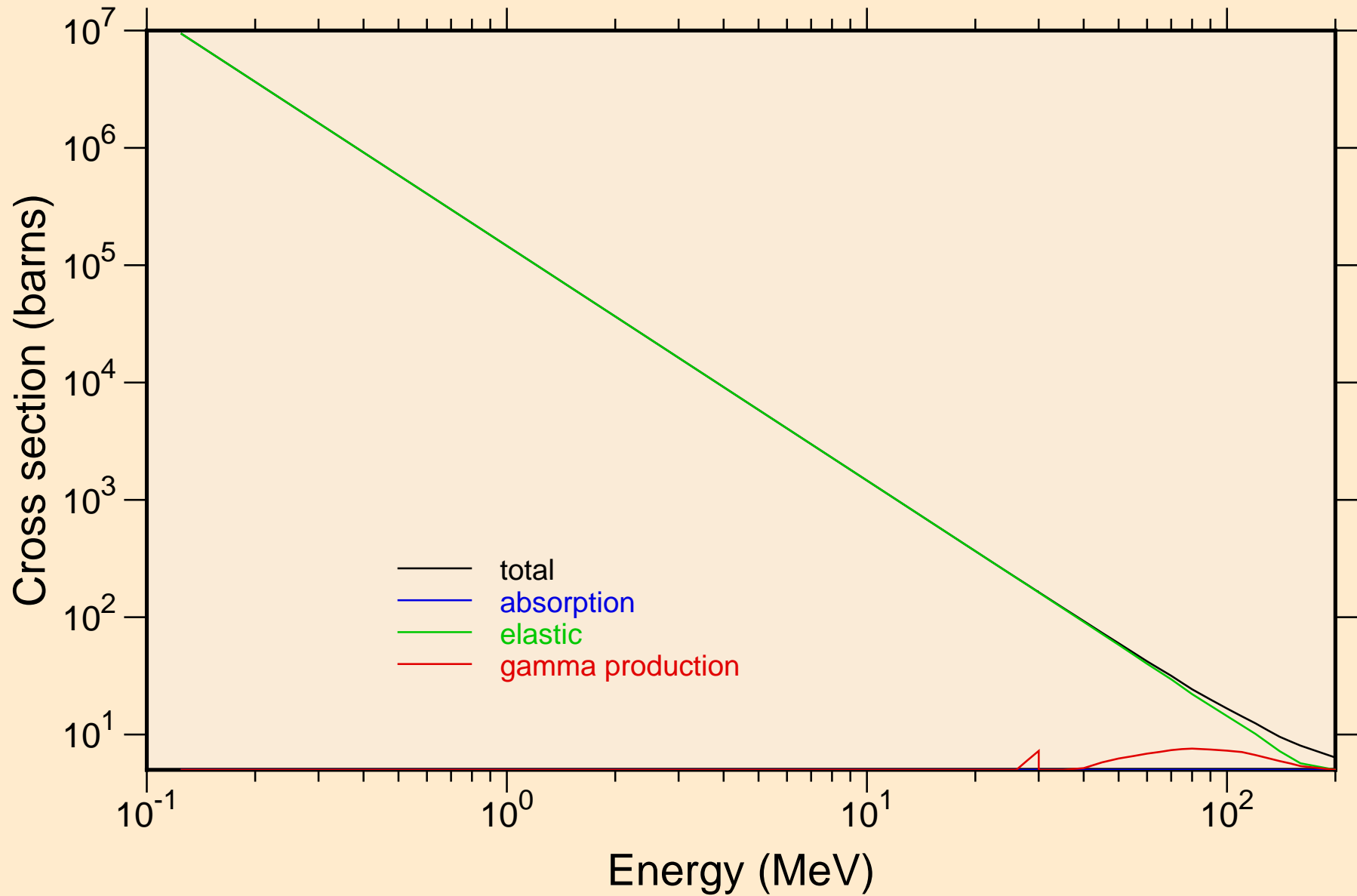


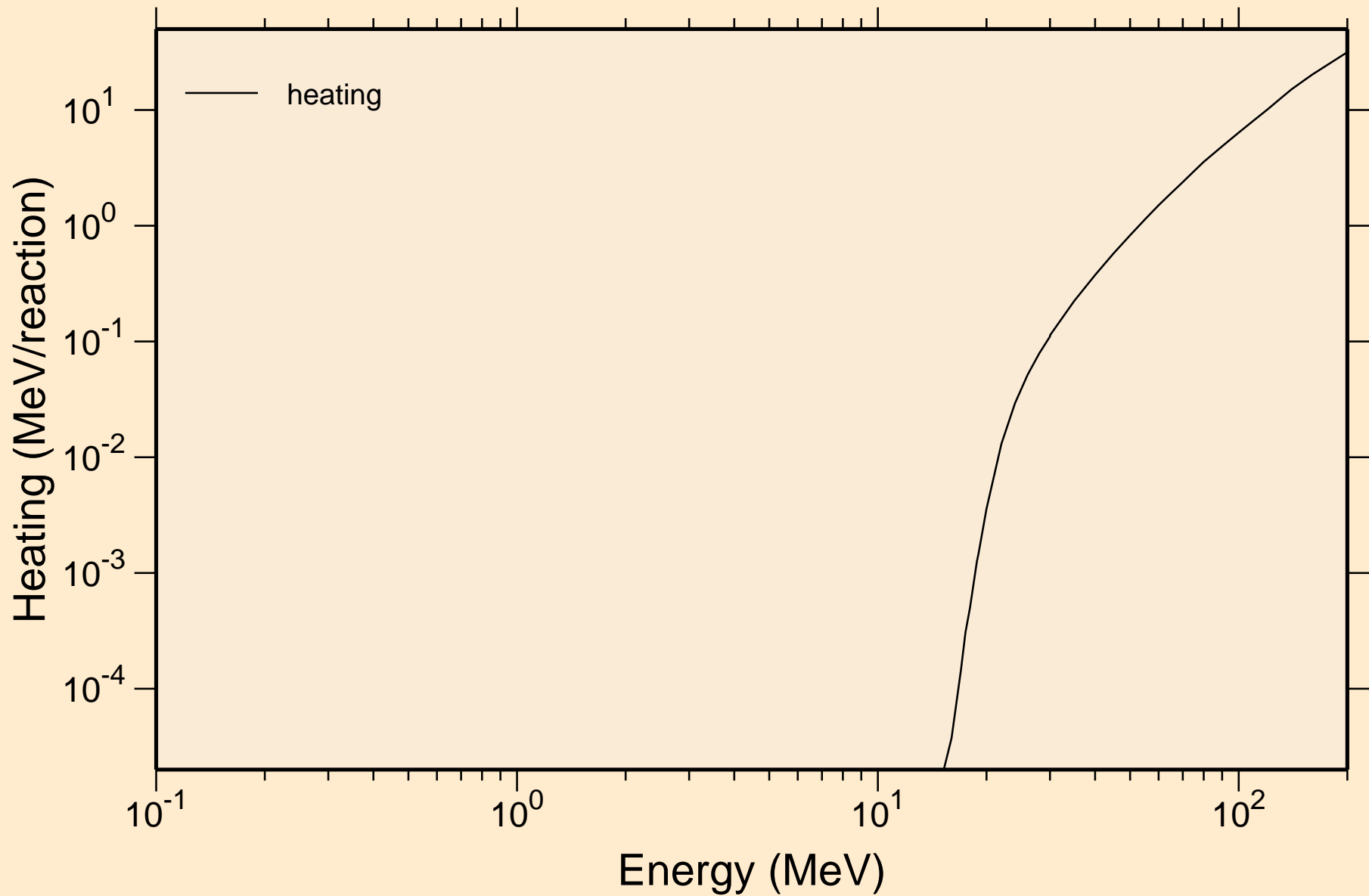
# OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



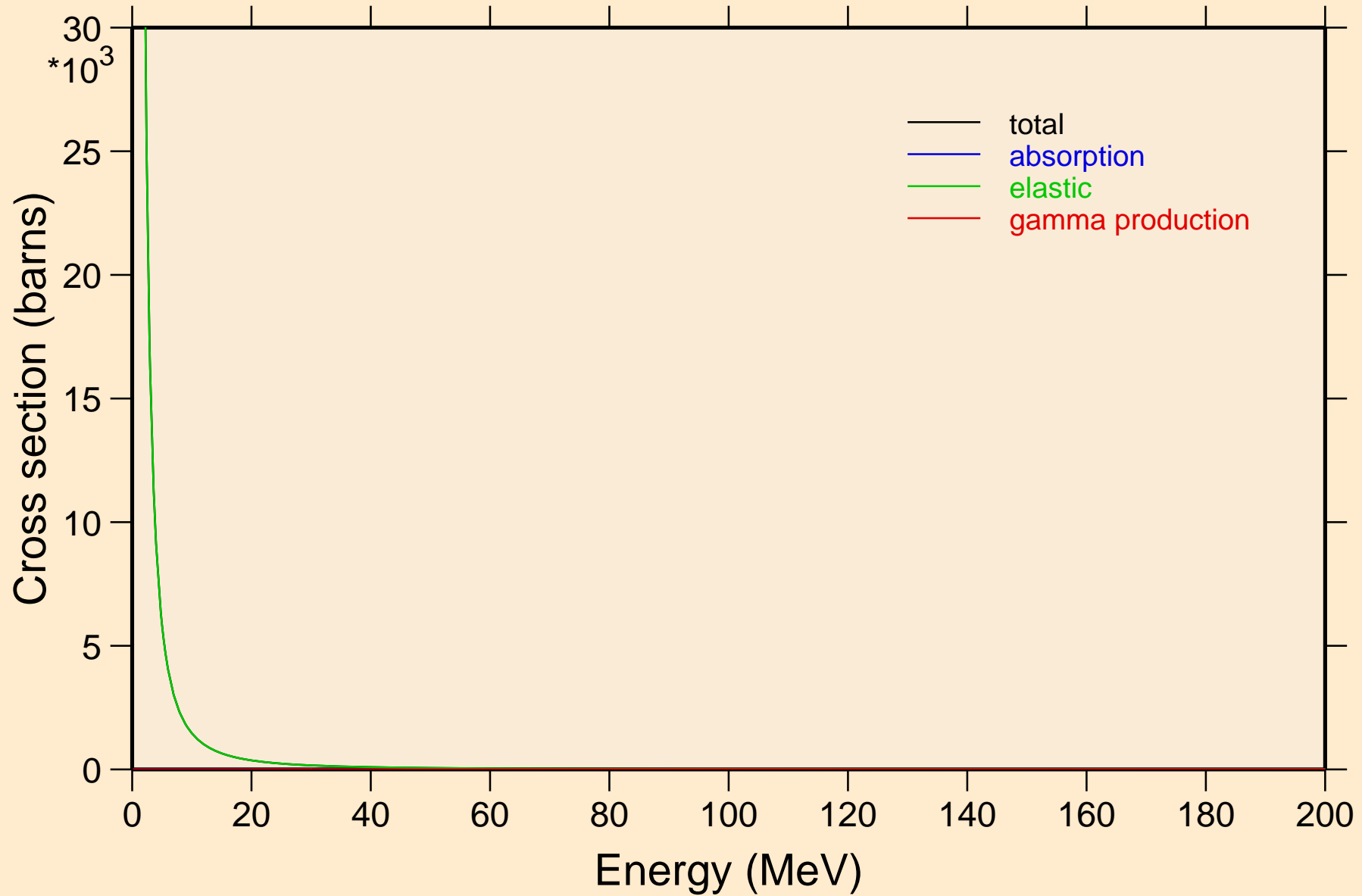
# OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Heating



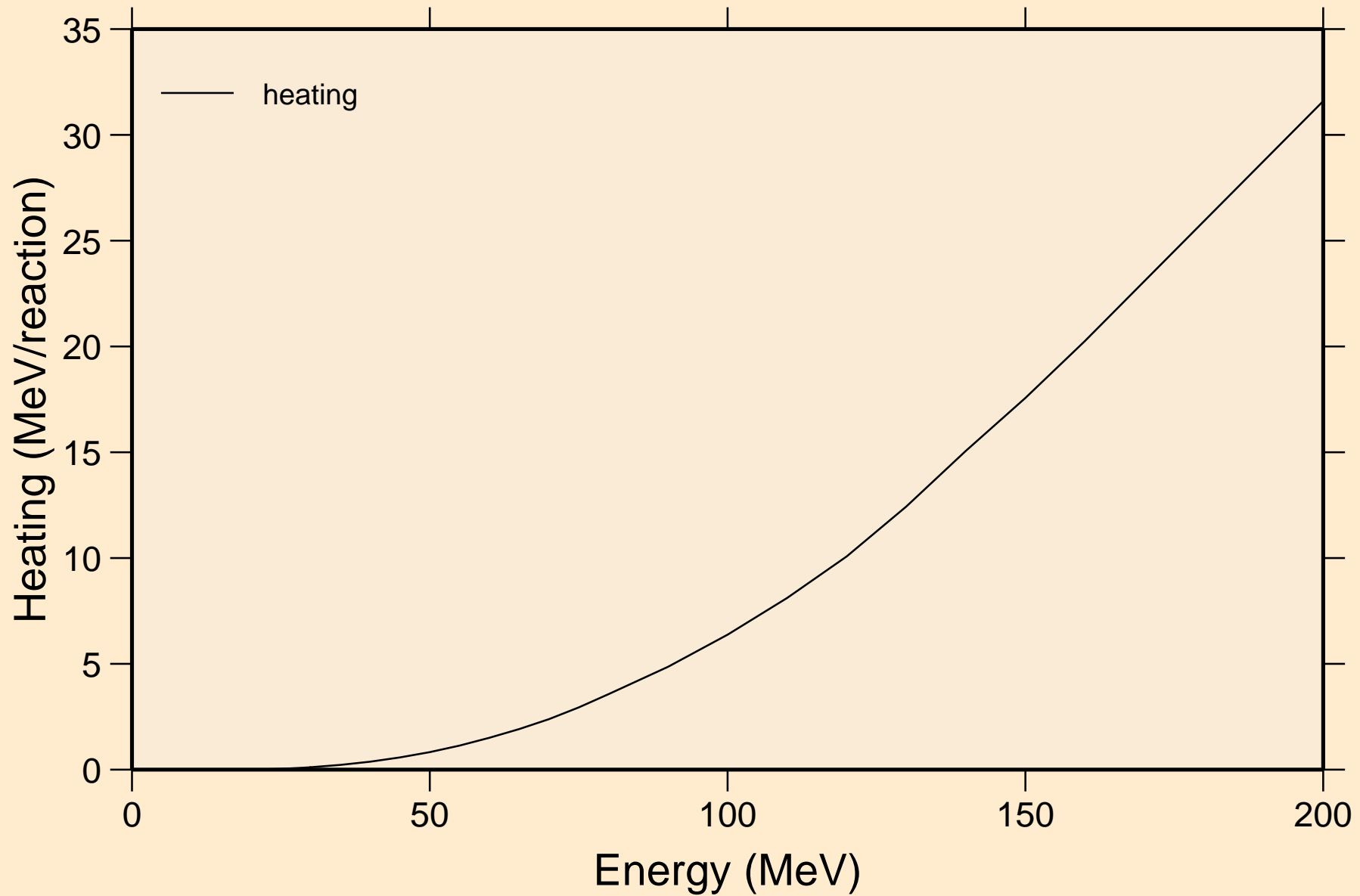
# OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

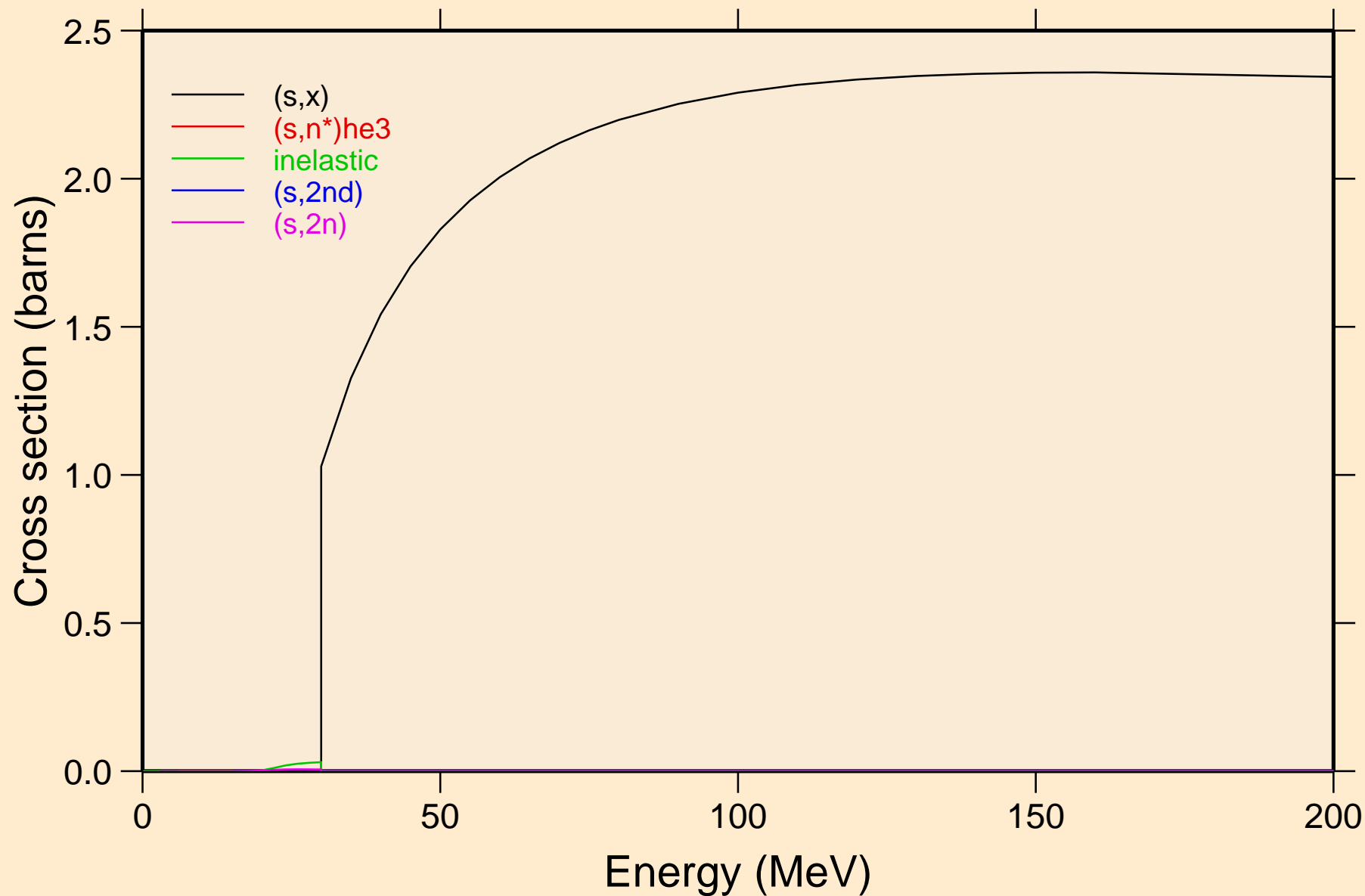


OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K

Heating

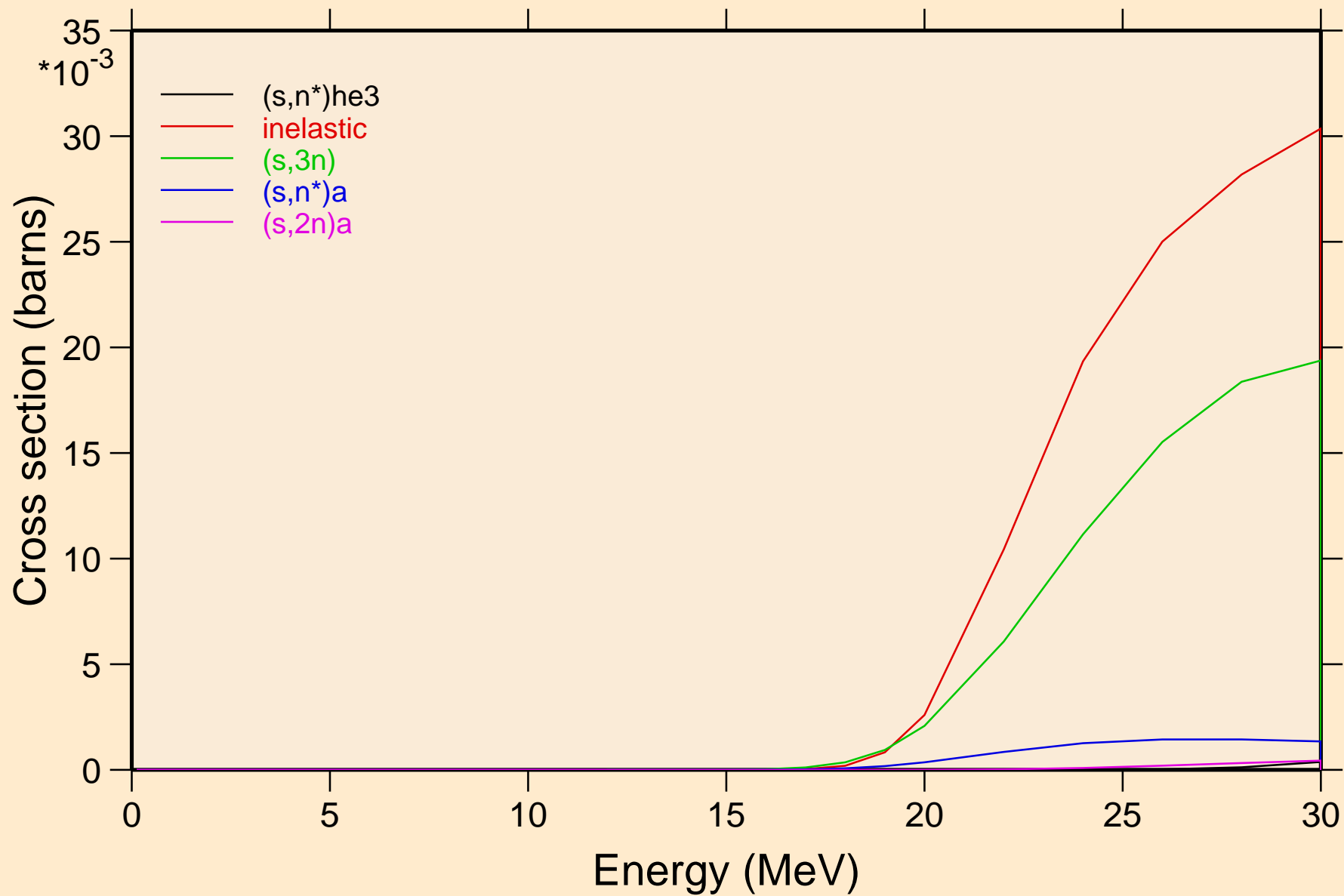


OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

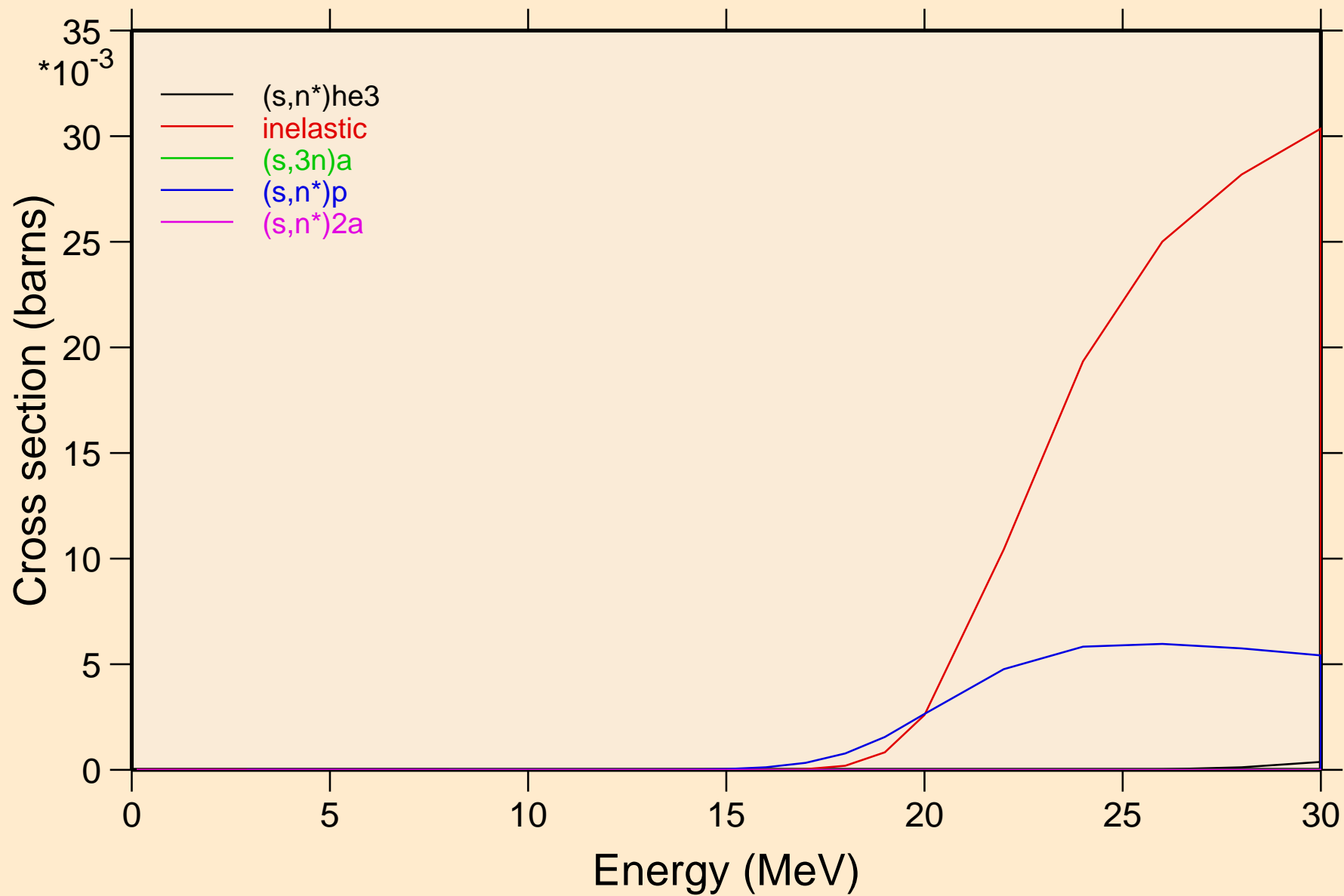


# OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K

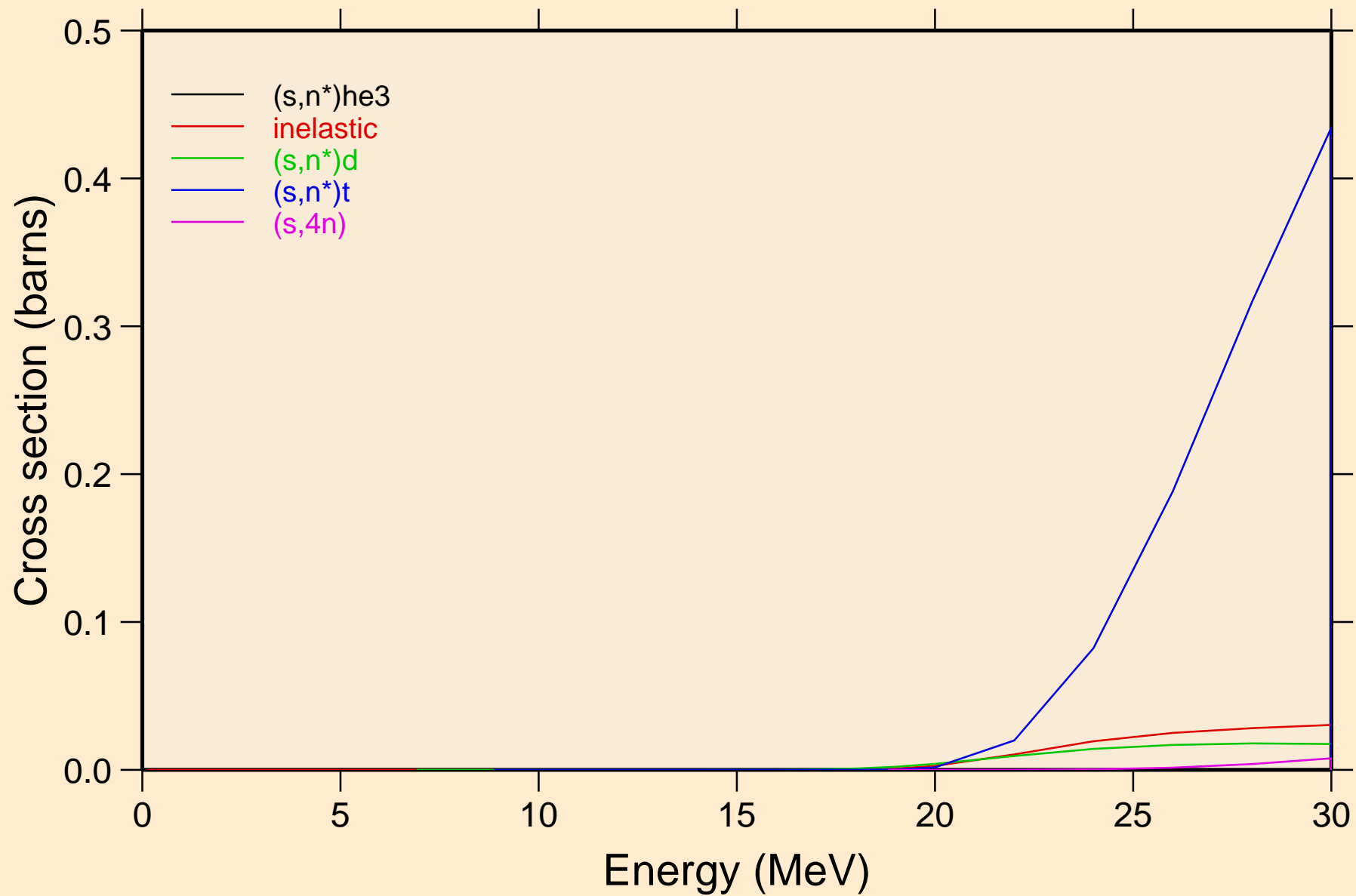
## Threshold reactions



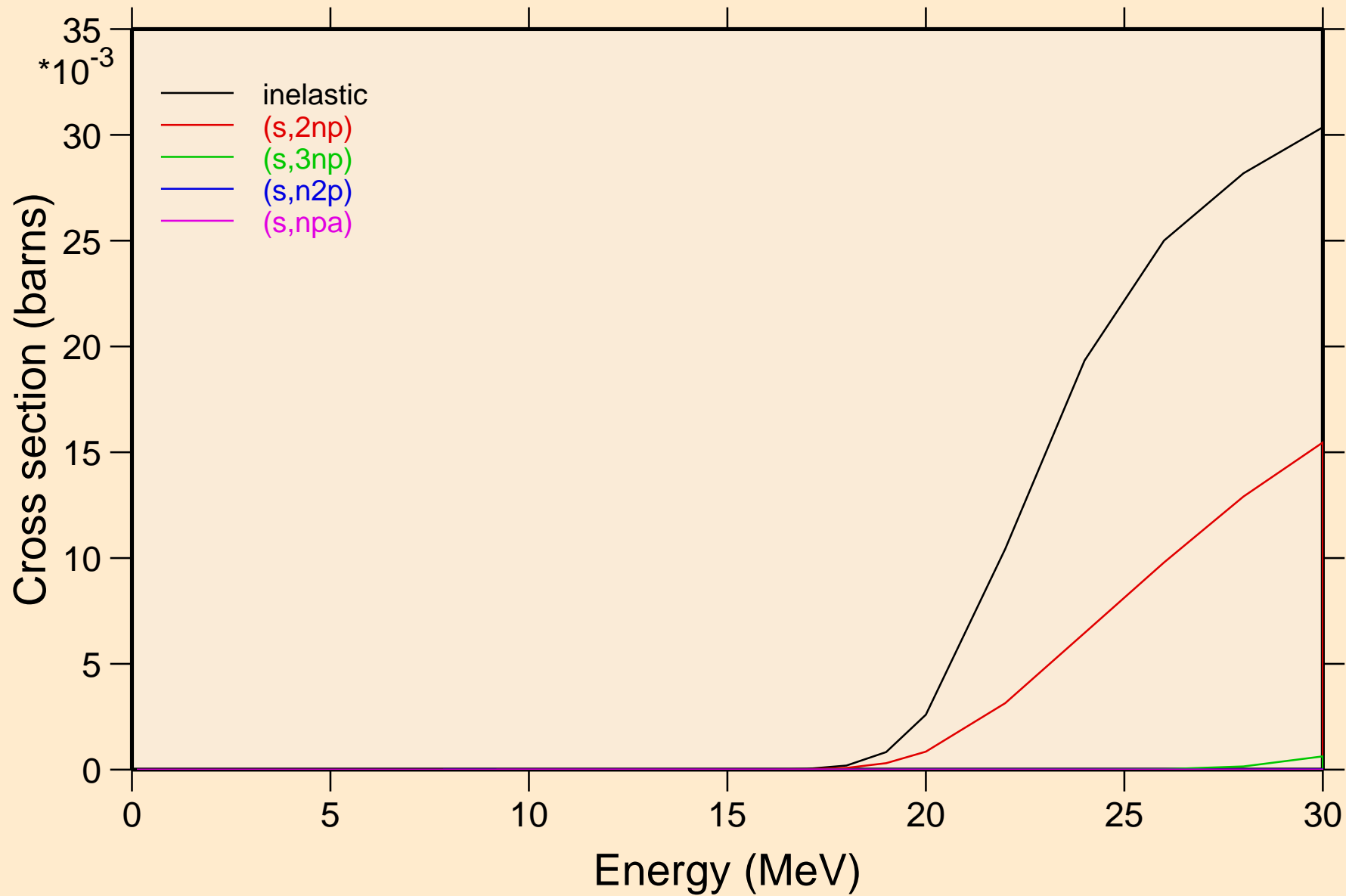
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



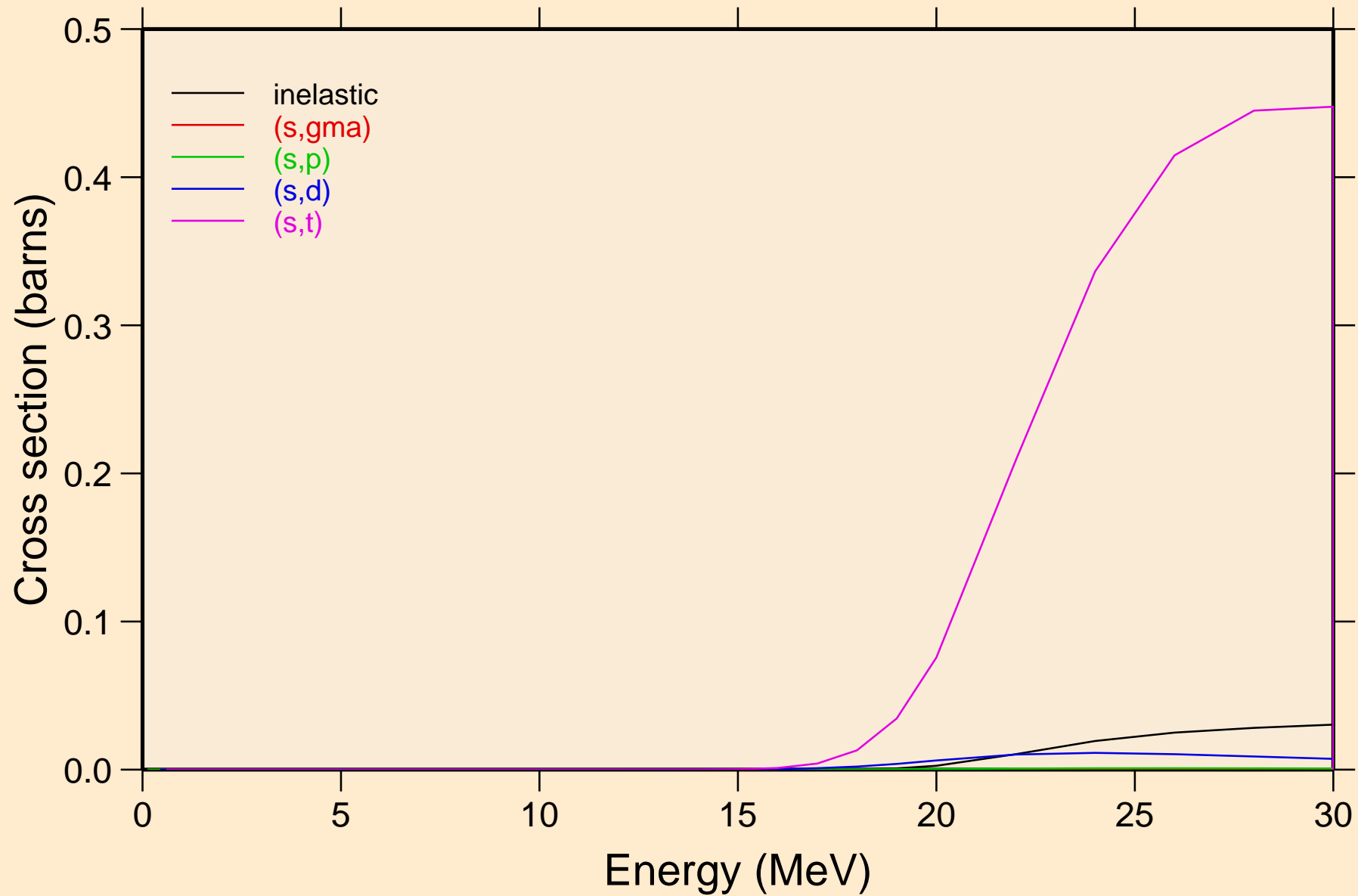
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



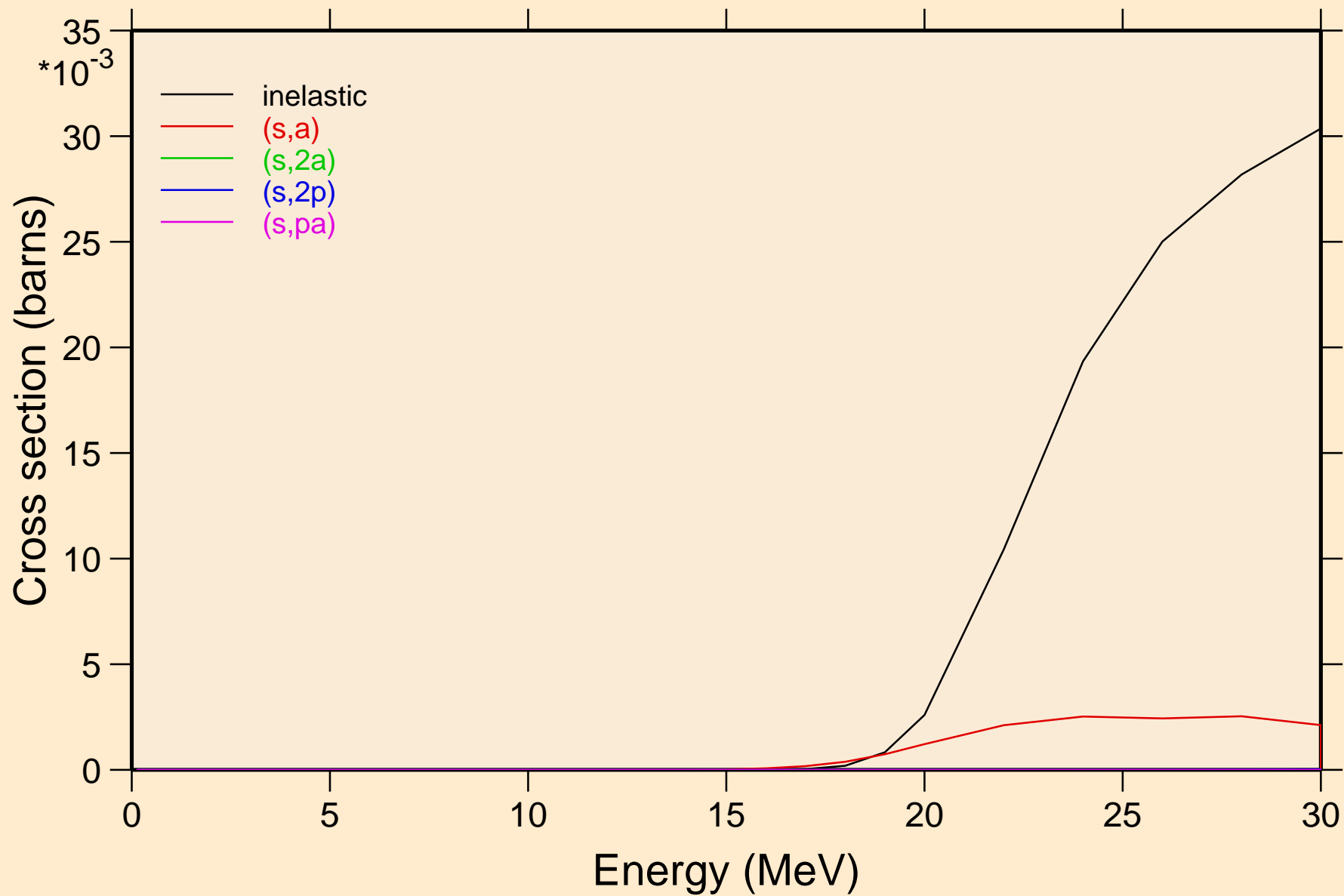
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



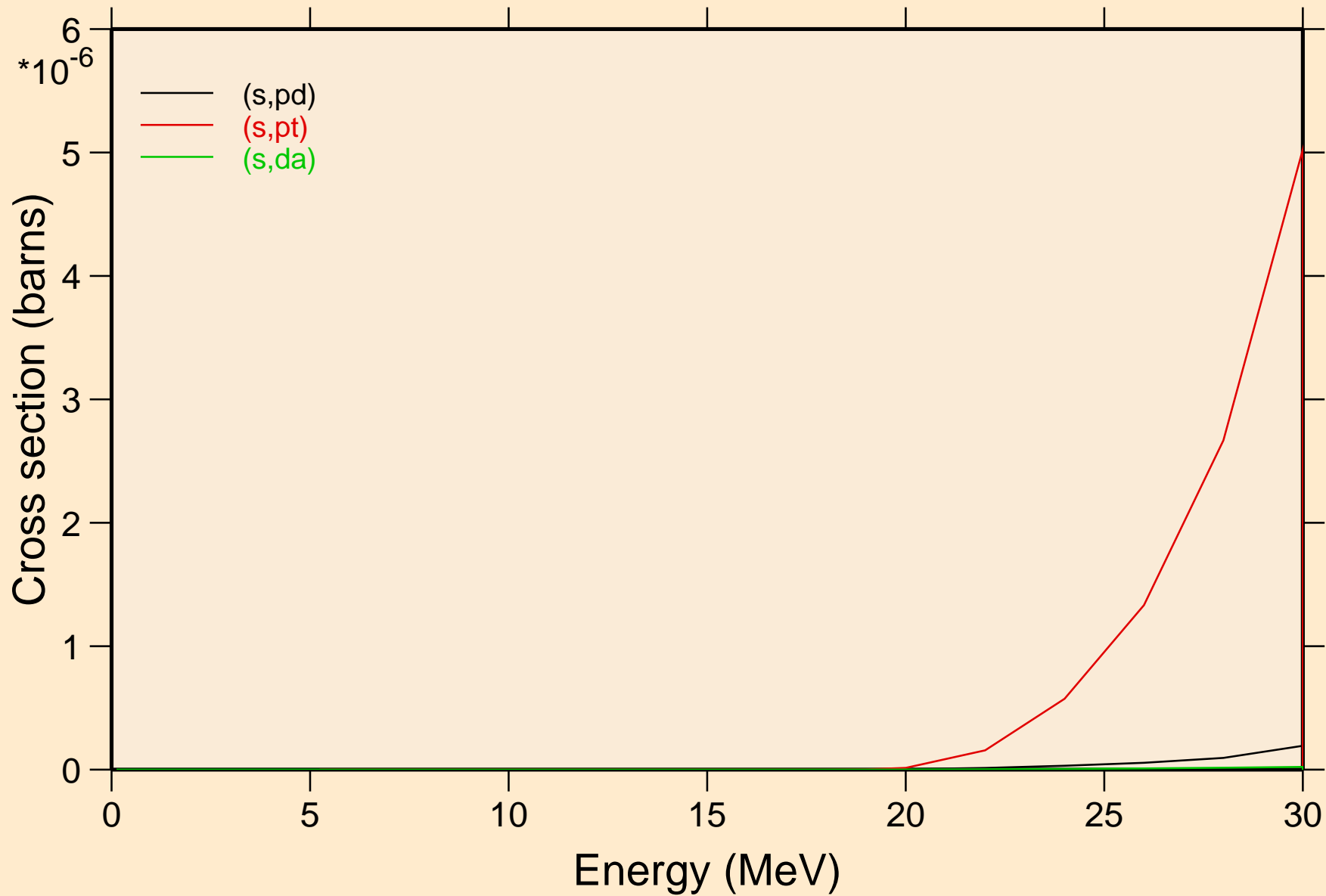
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



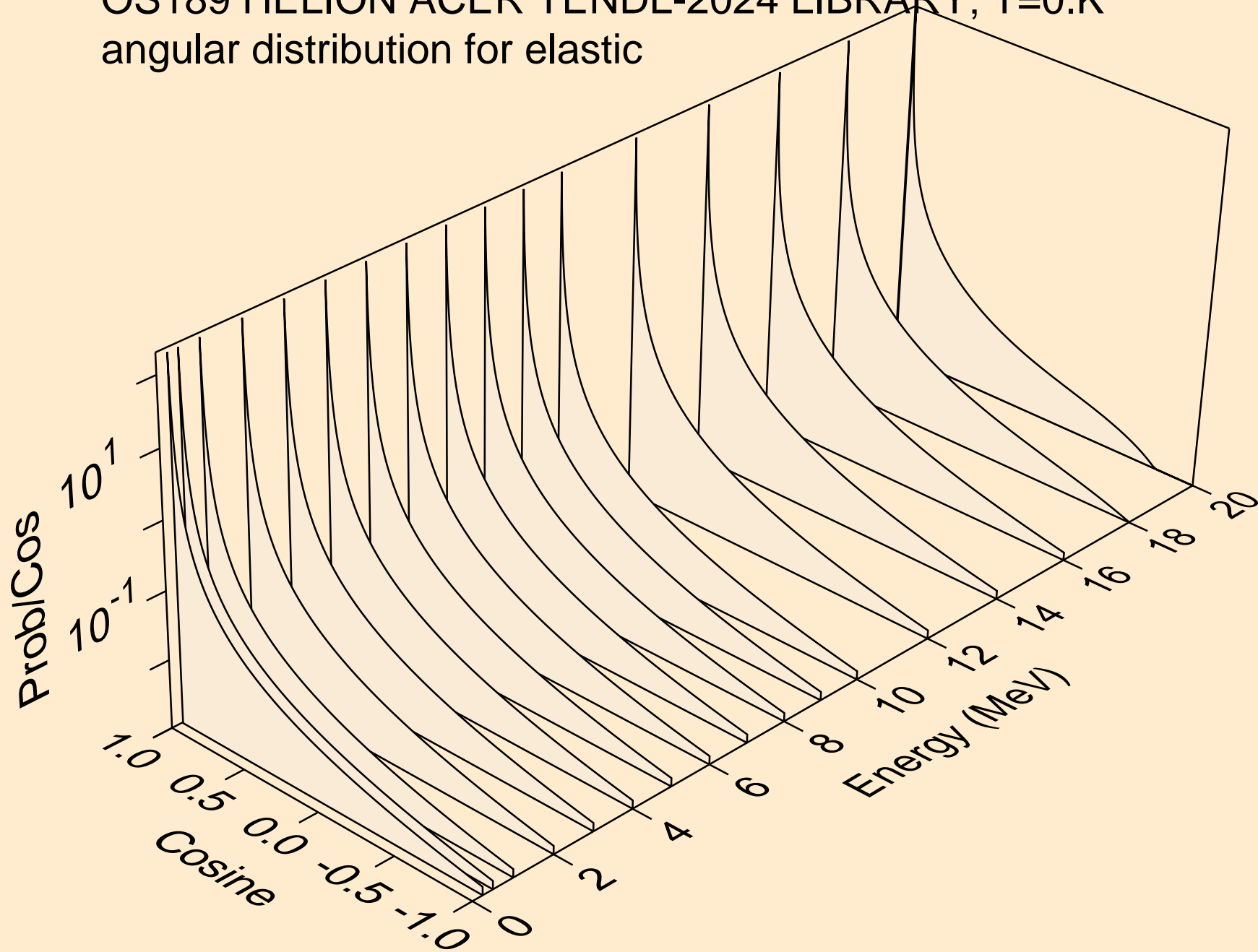
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



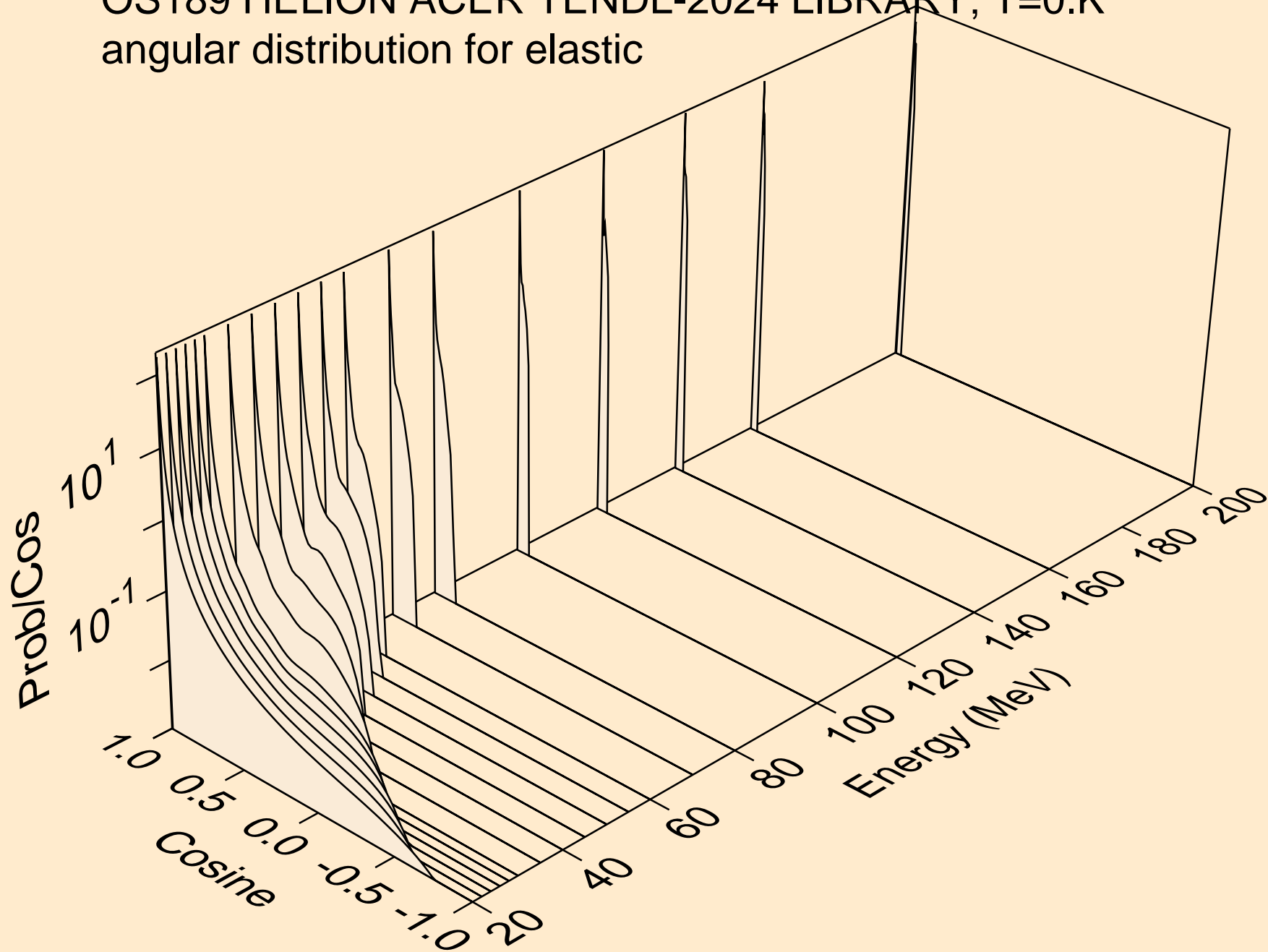
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



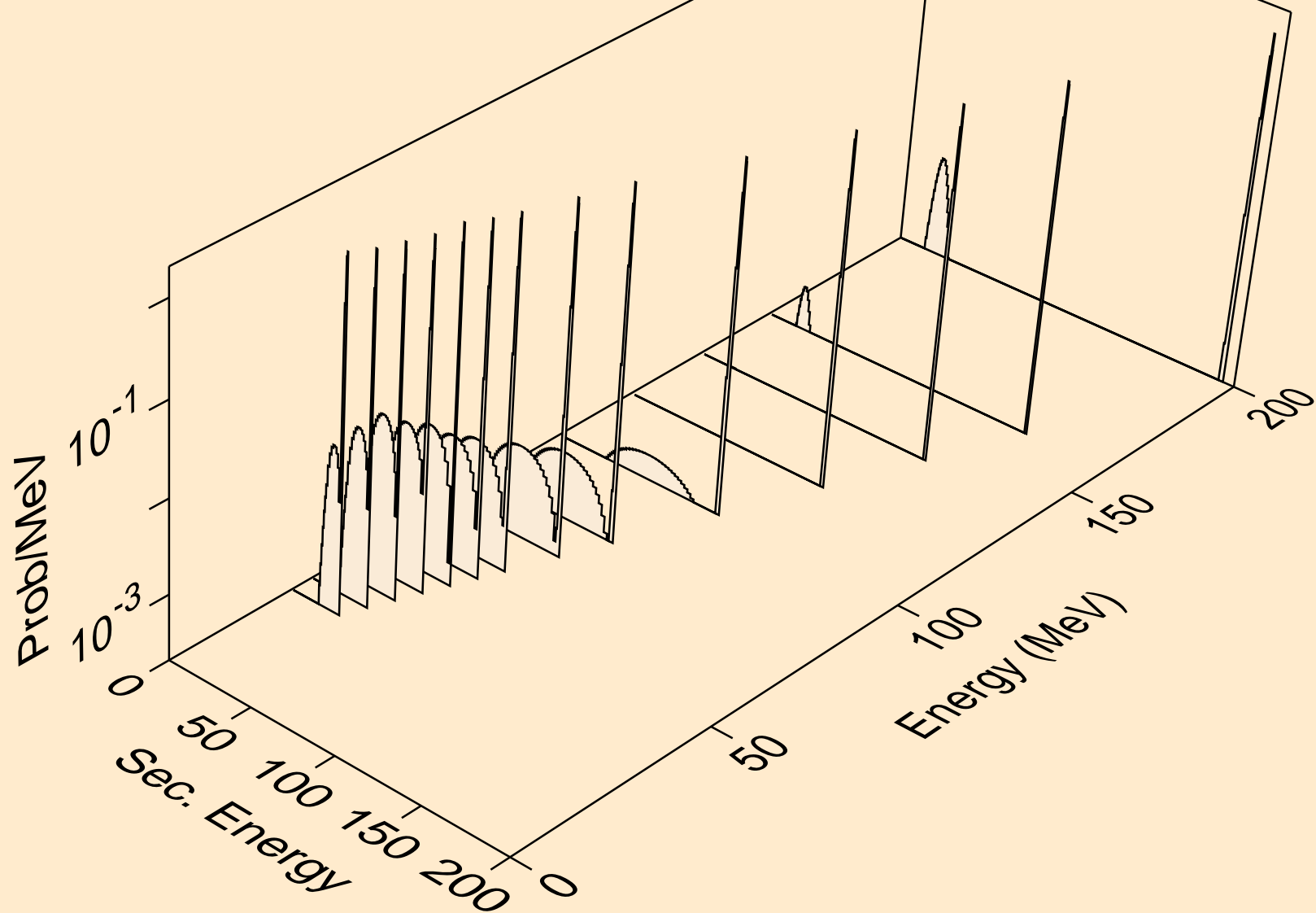
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



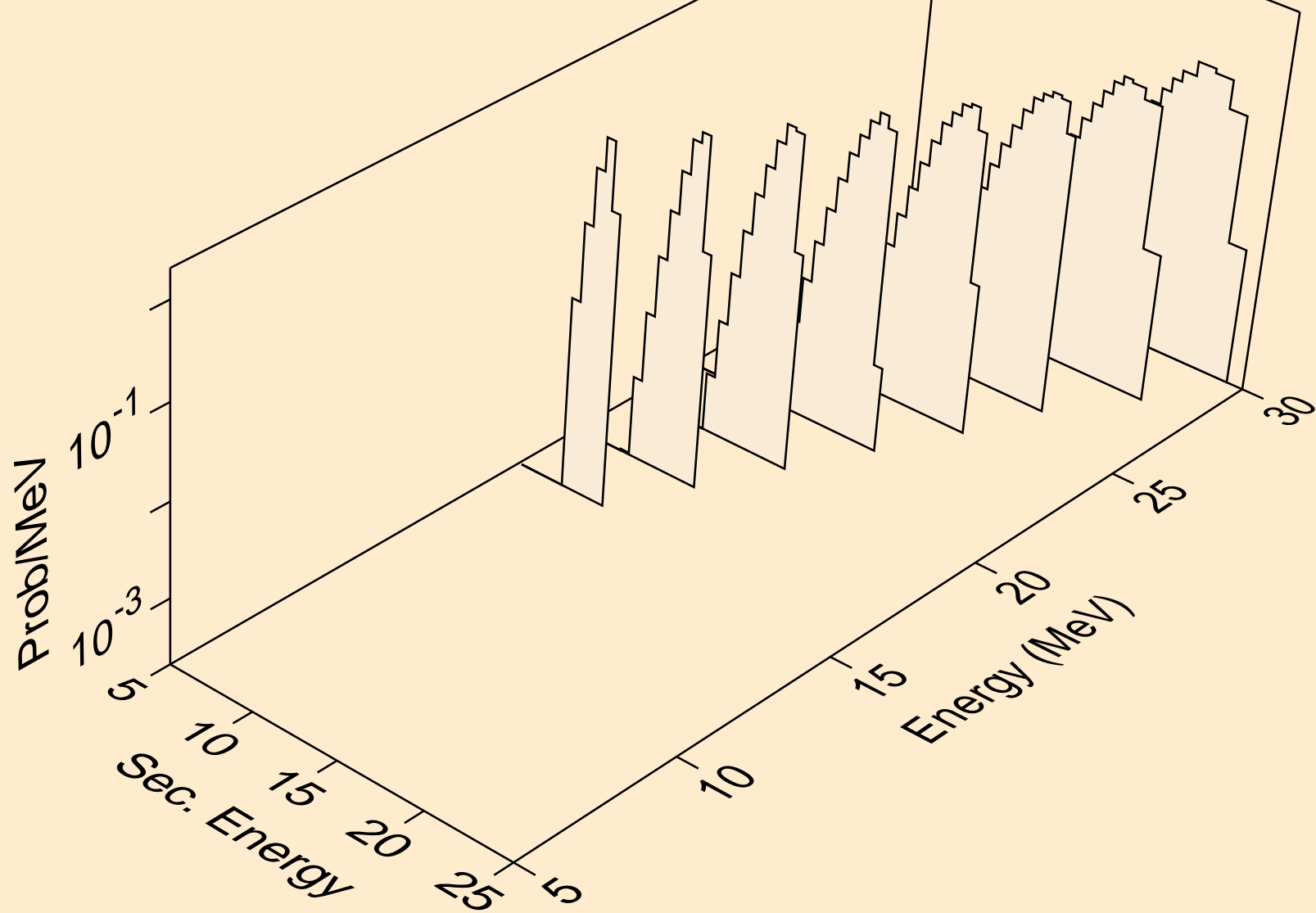
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



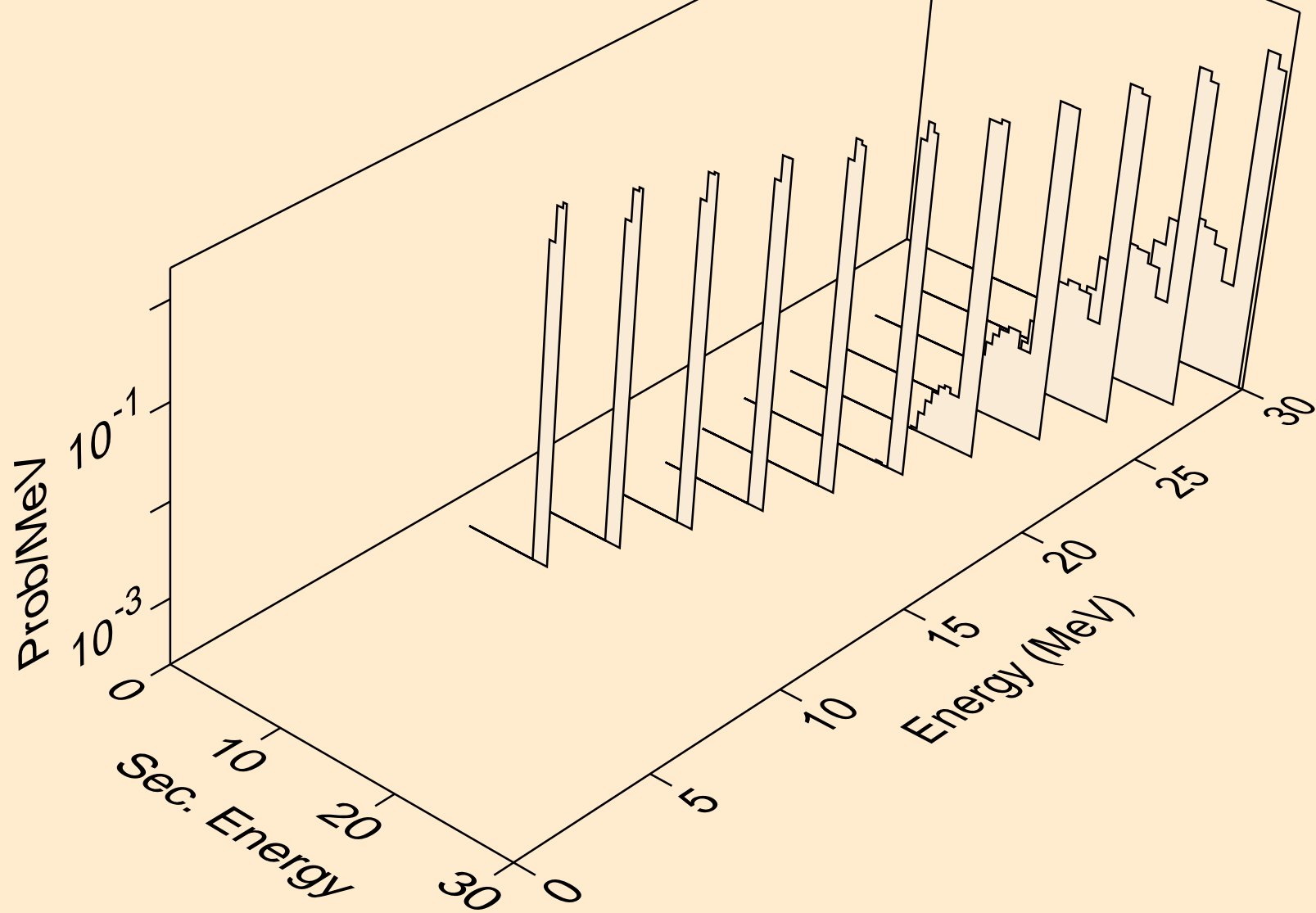
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for (s,x)



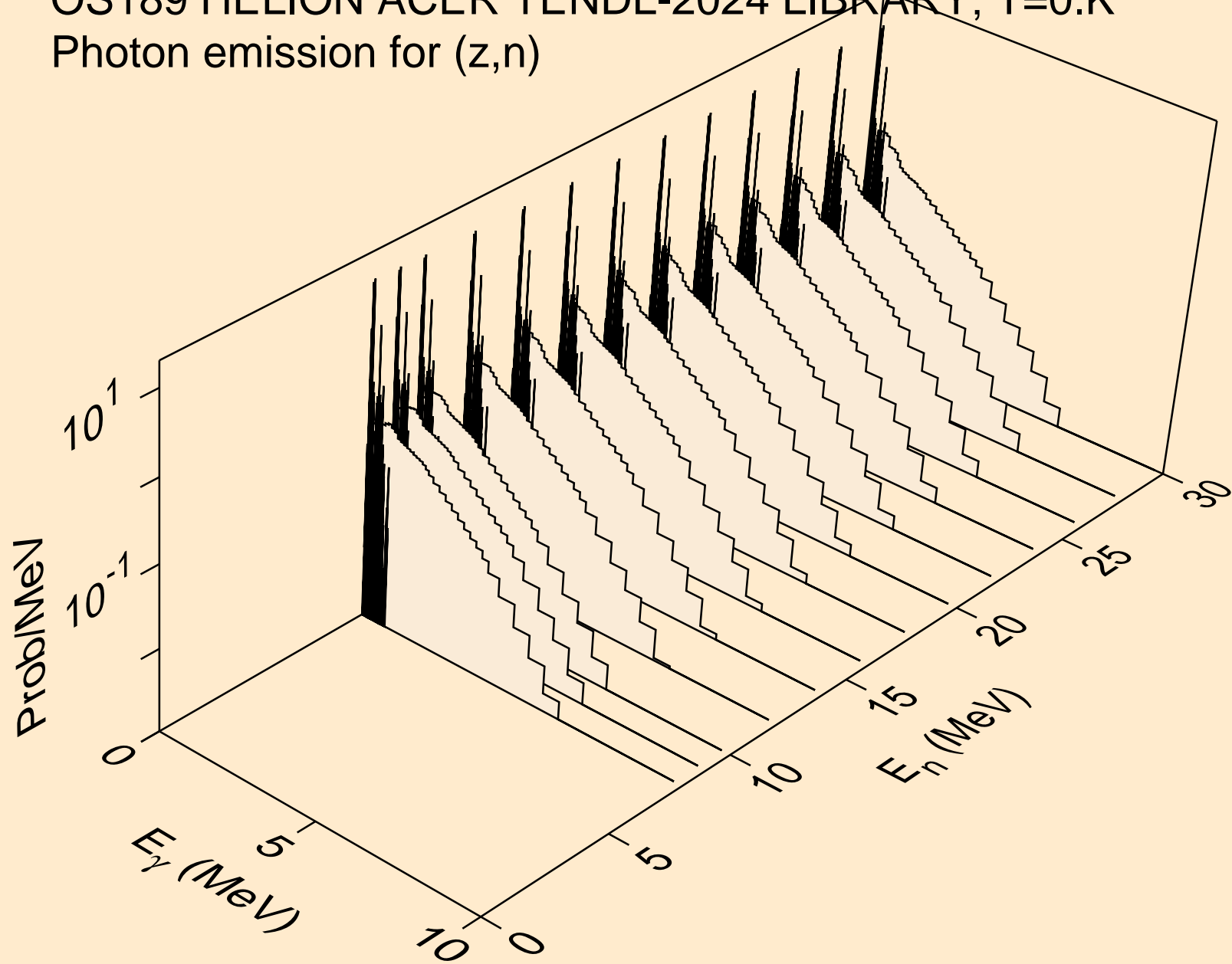
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3



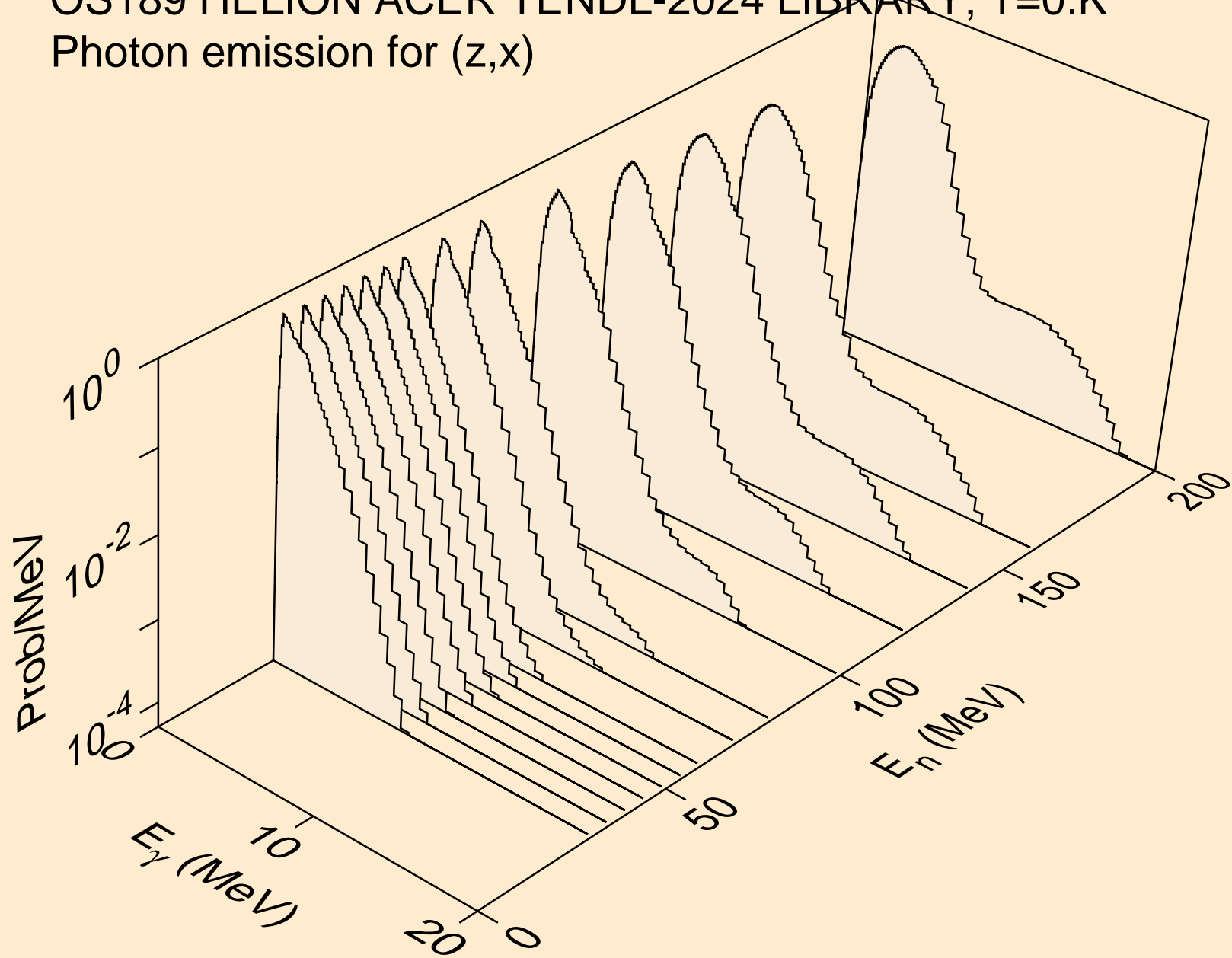
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for inelastic



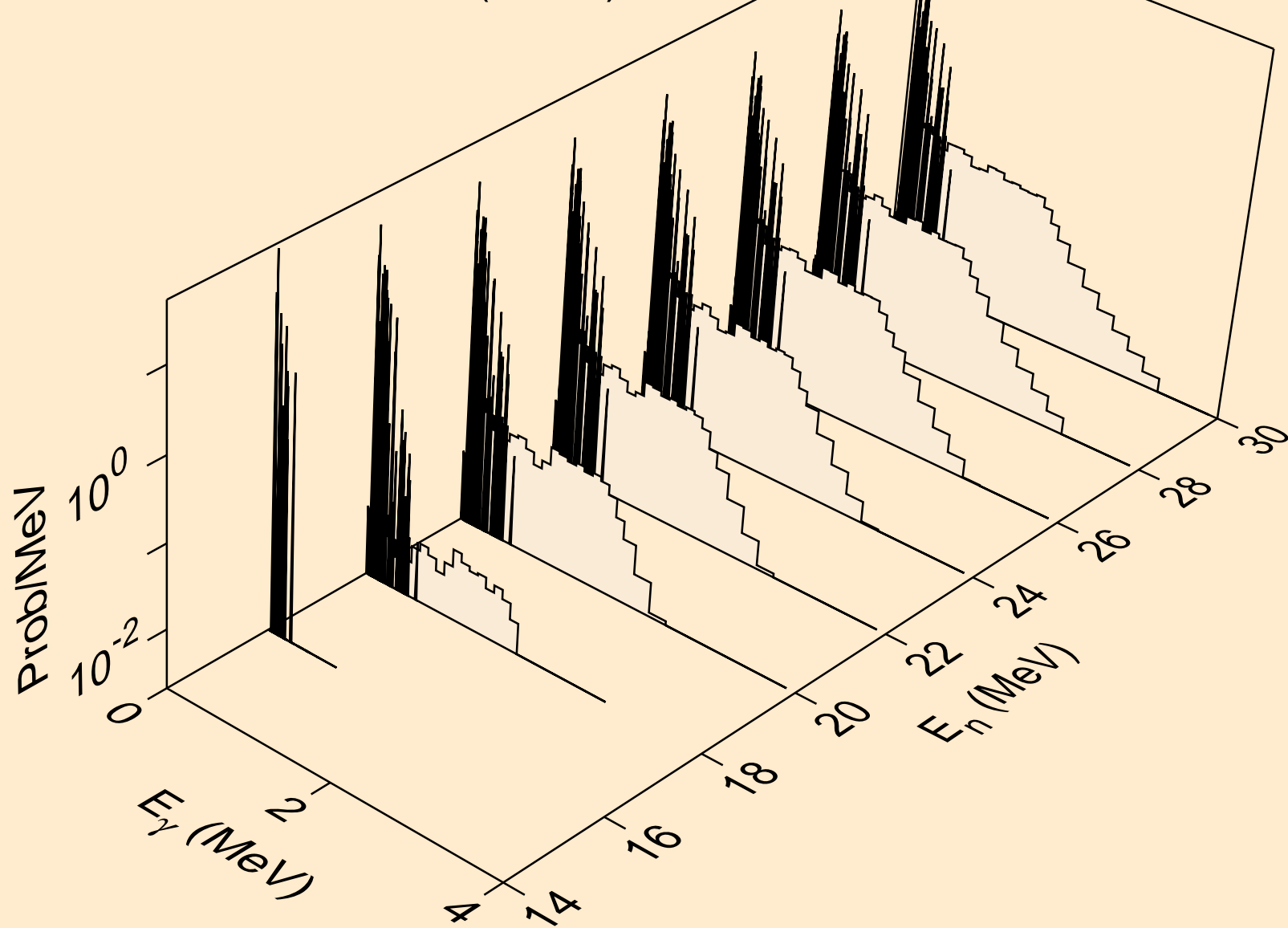
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,n)



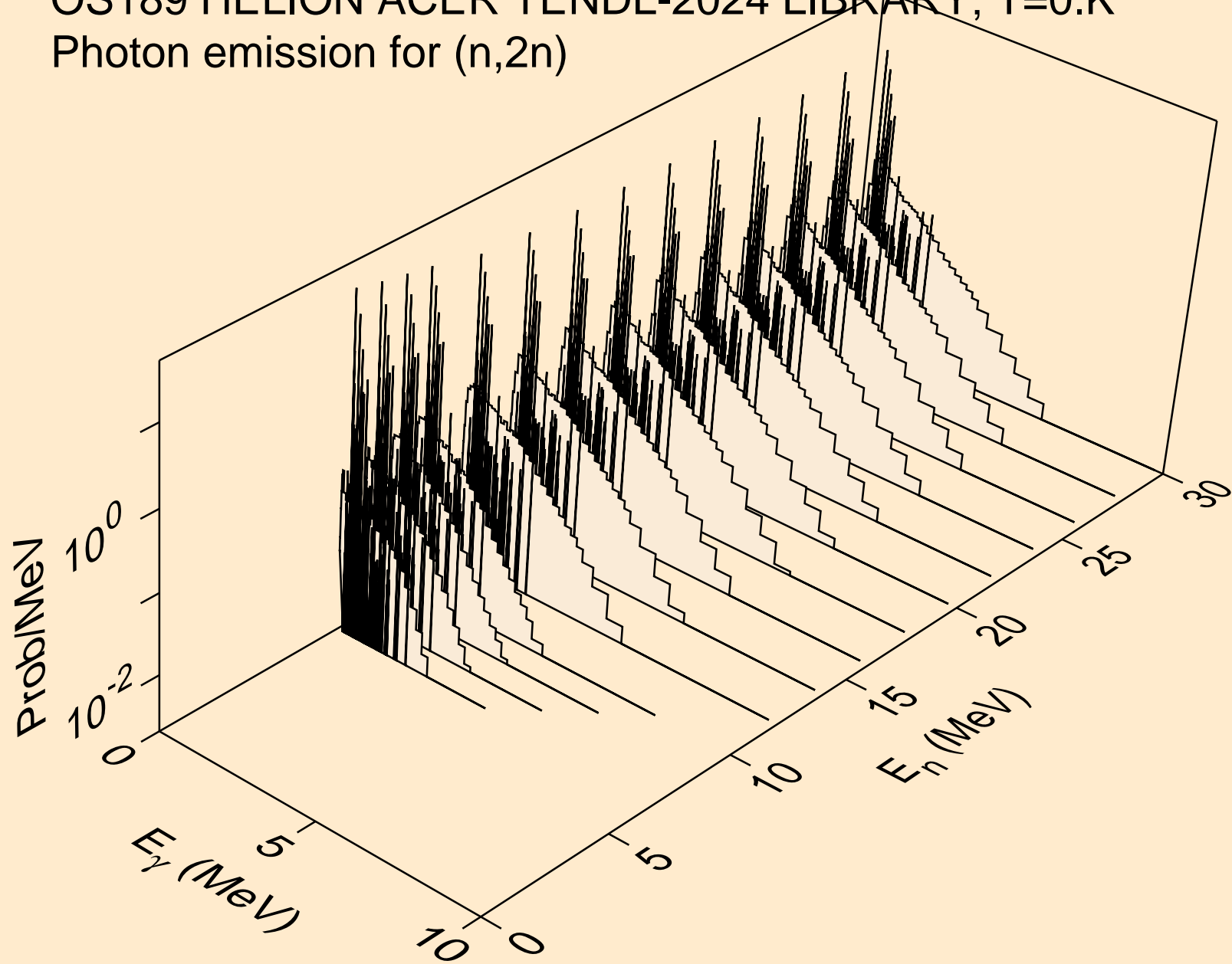
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,x)



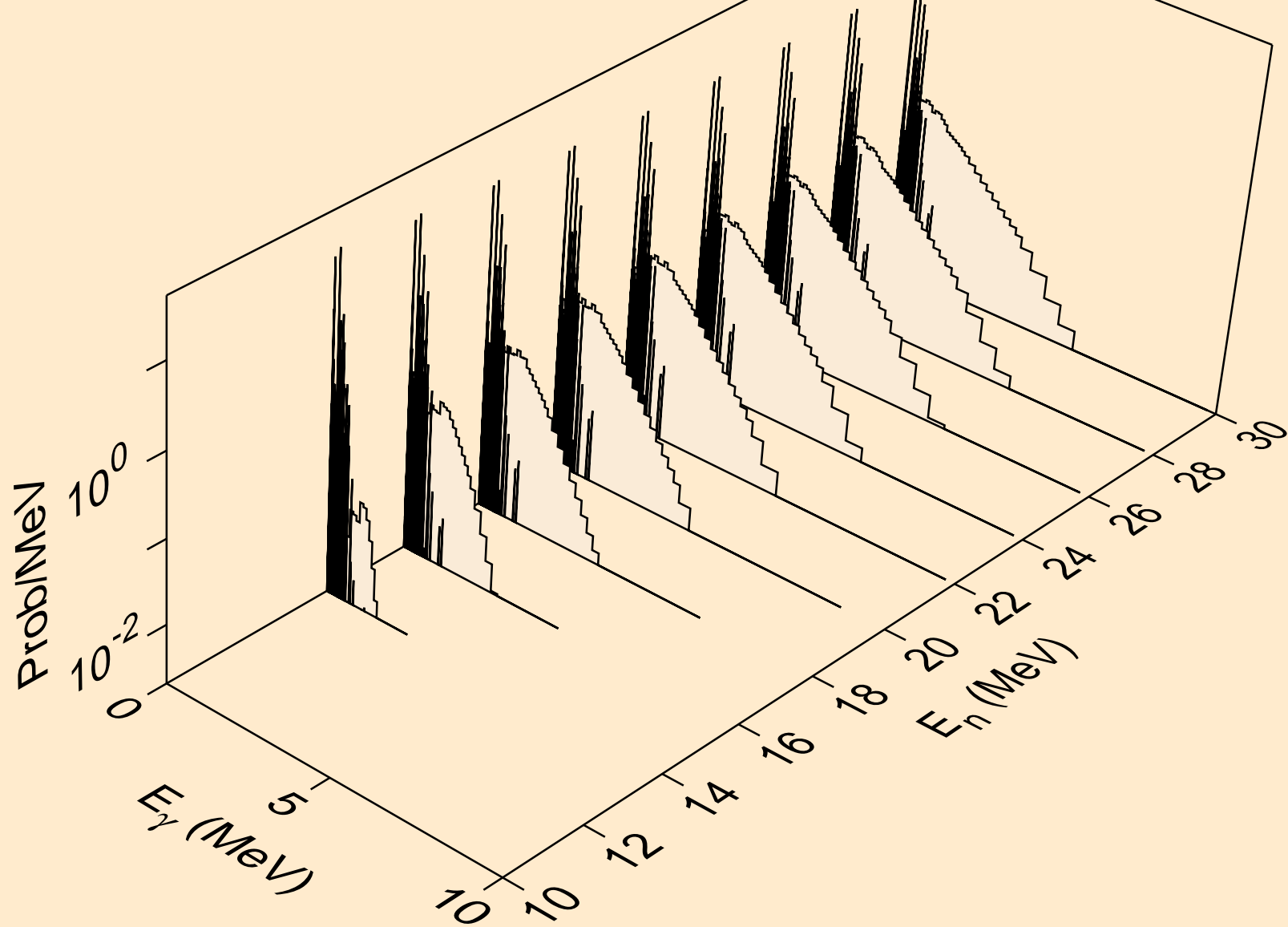
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



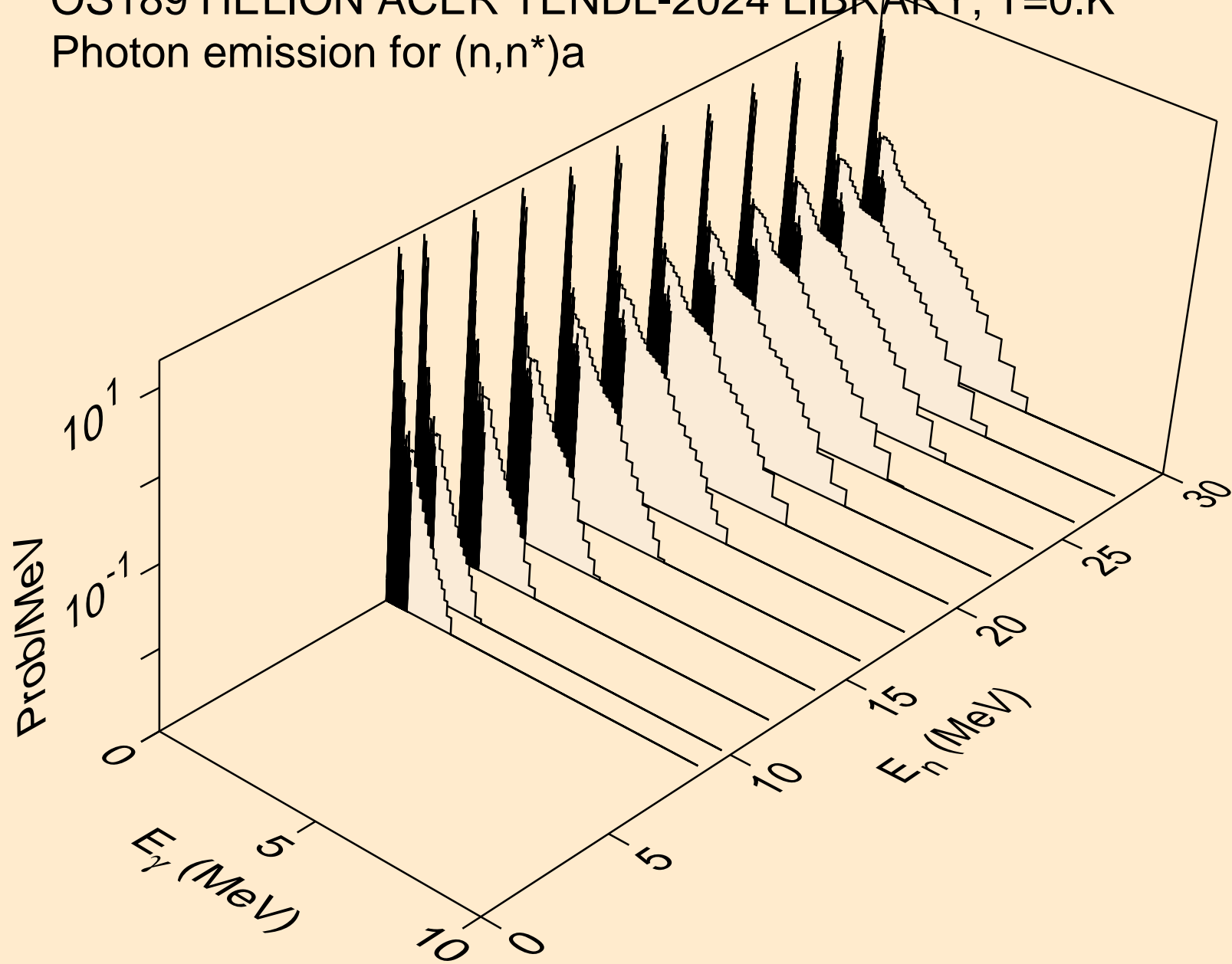
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



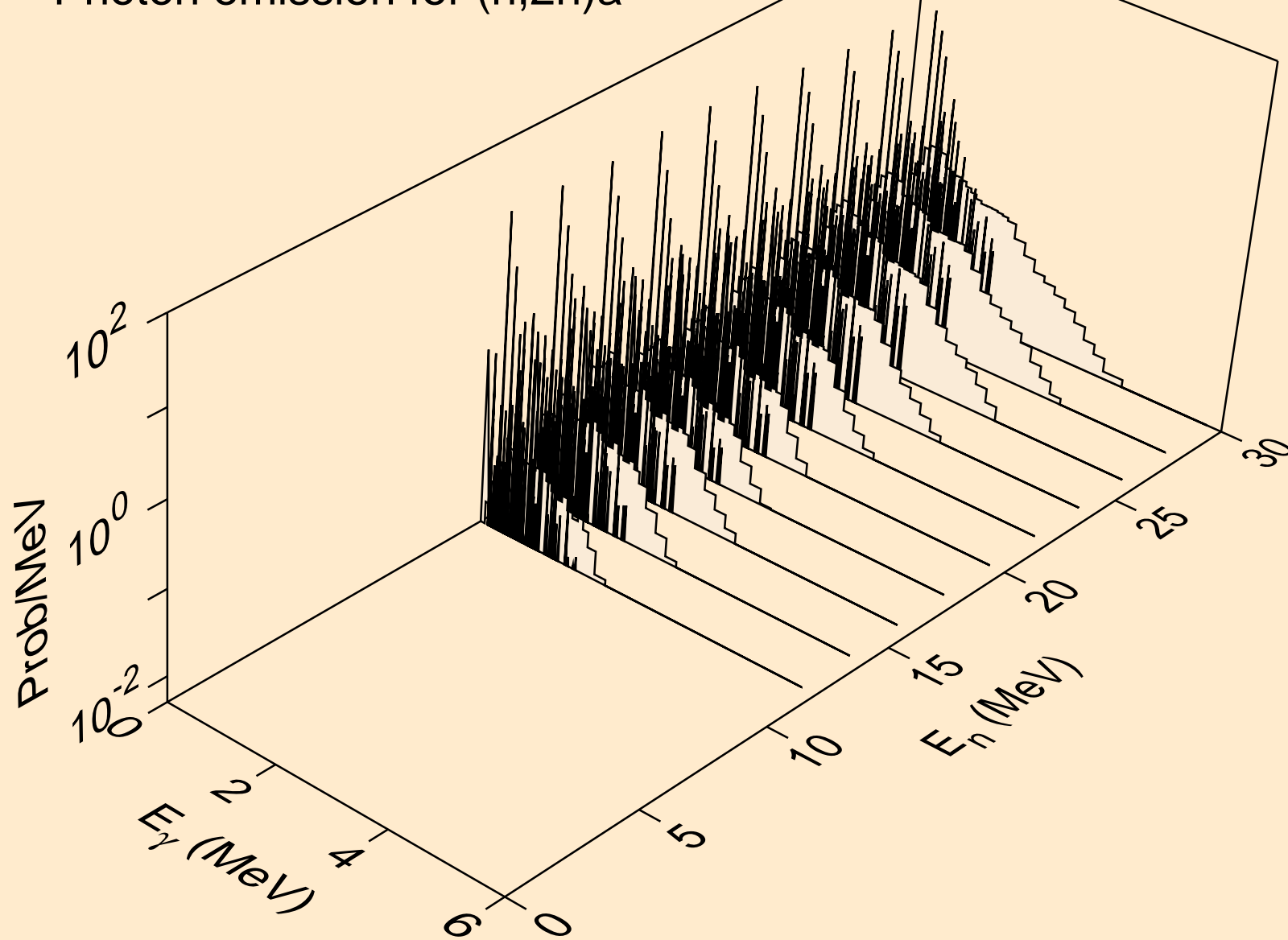
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



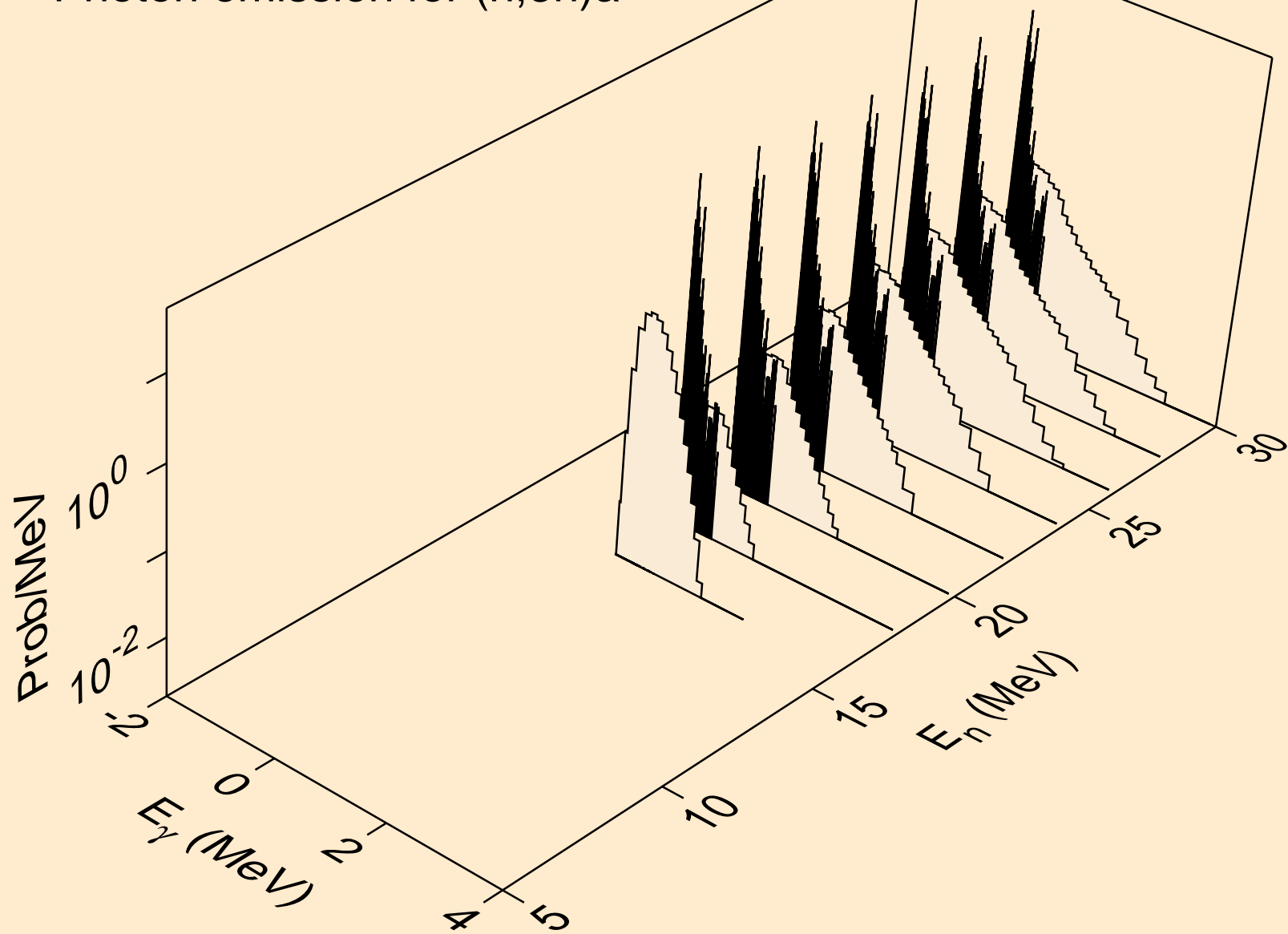
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



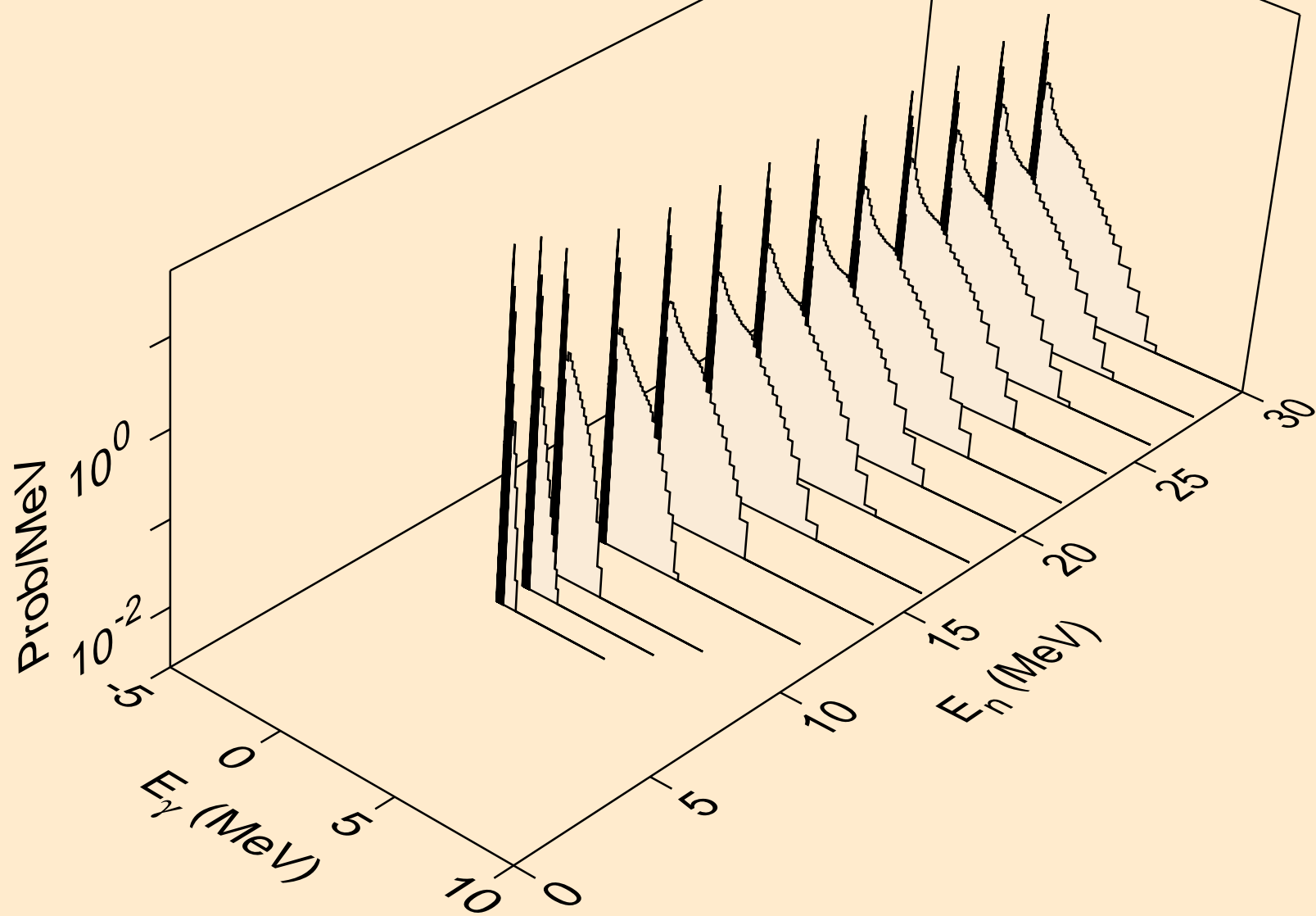
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



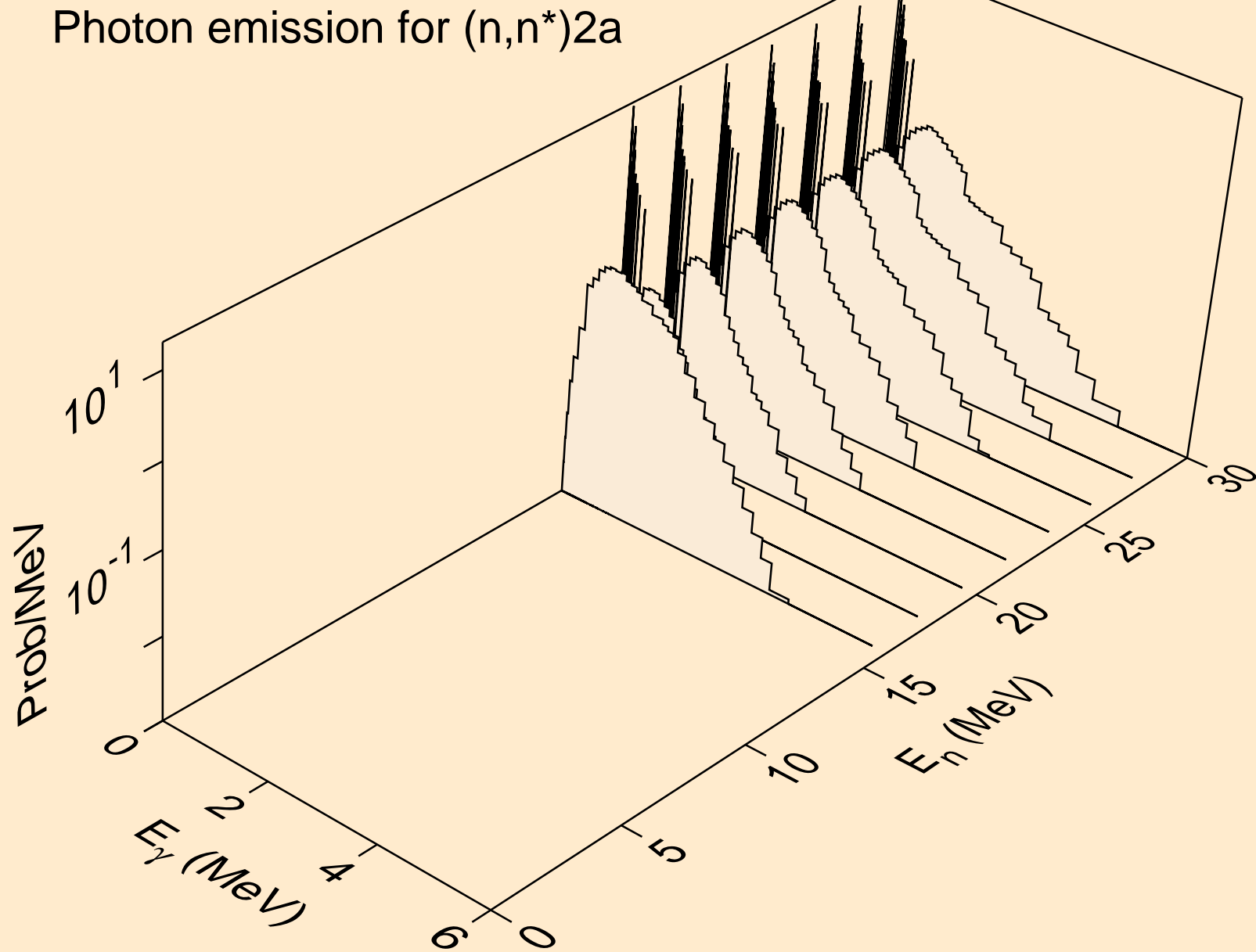
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



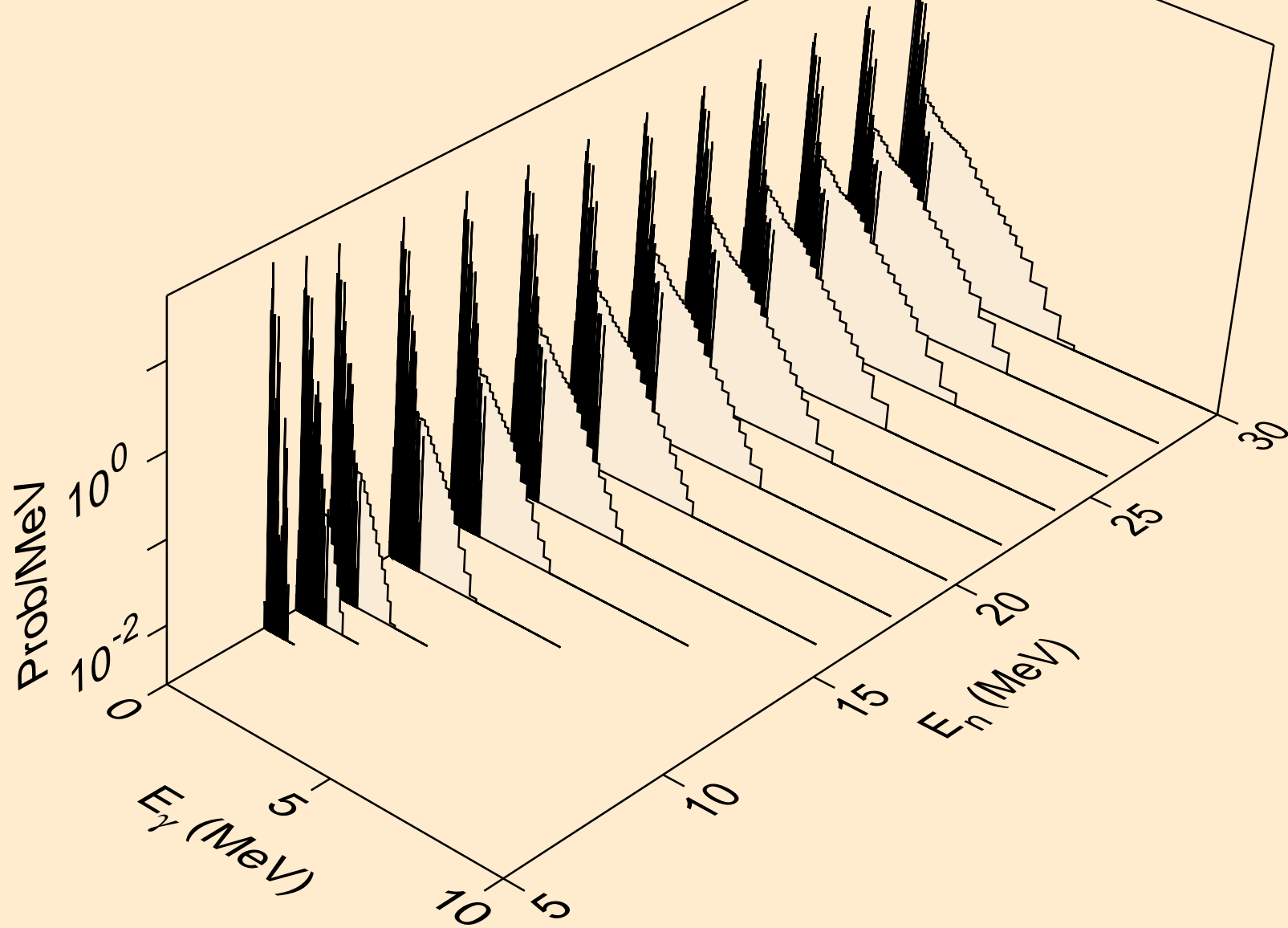
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



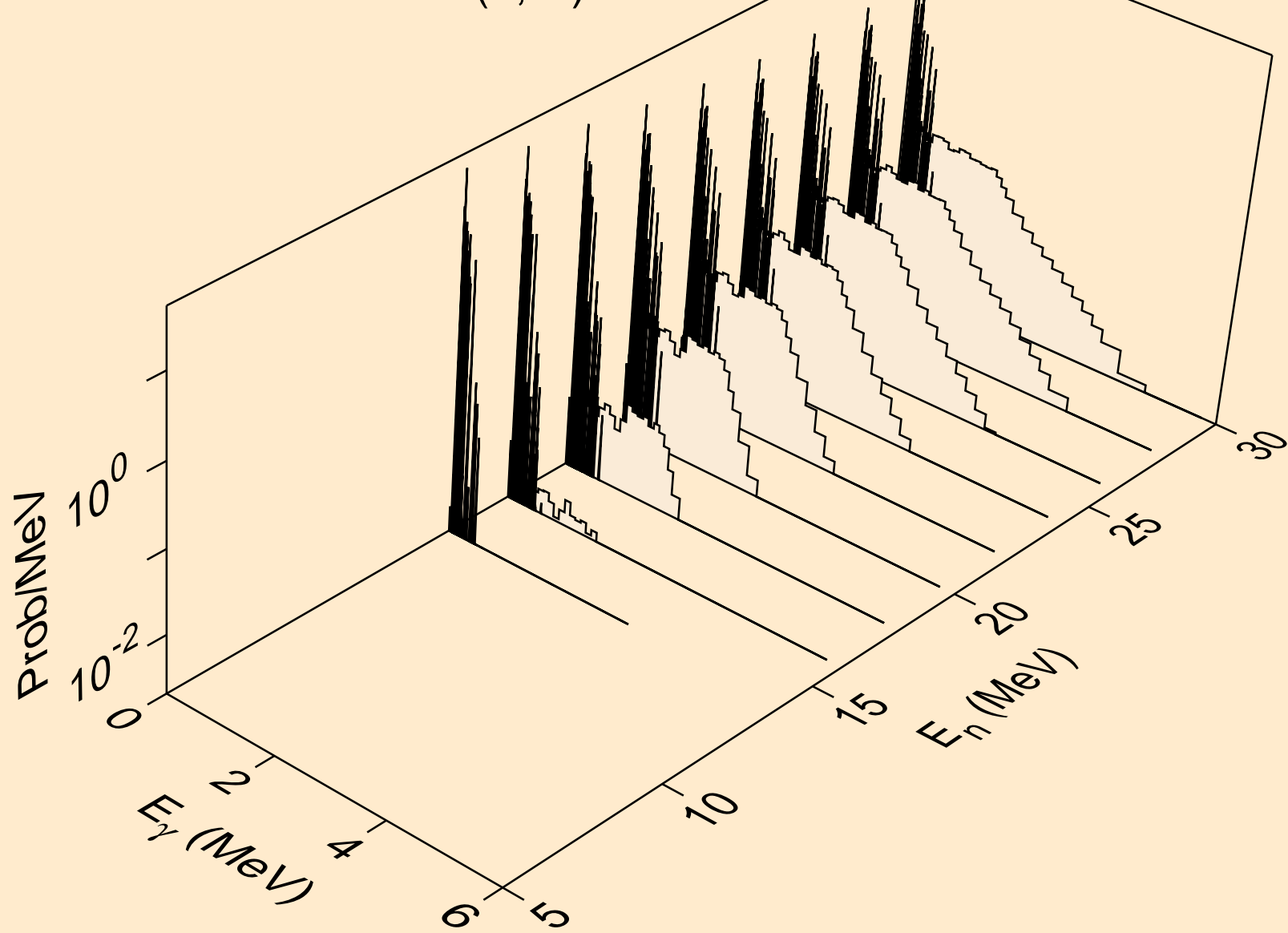
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



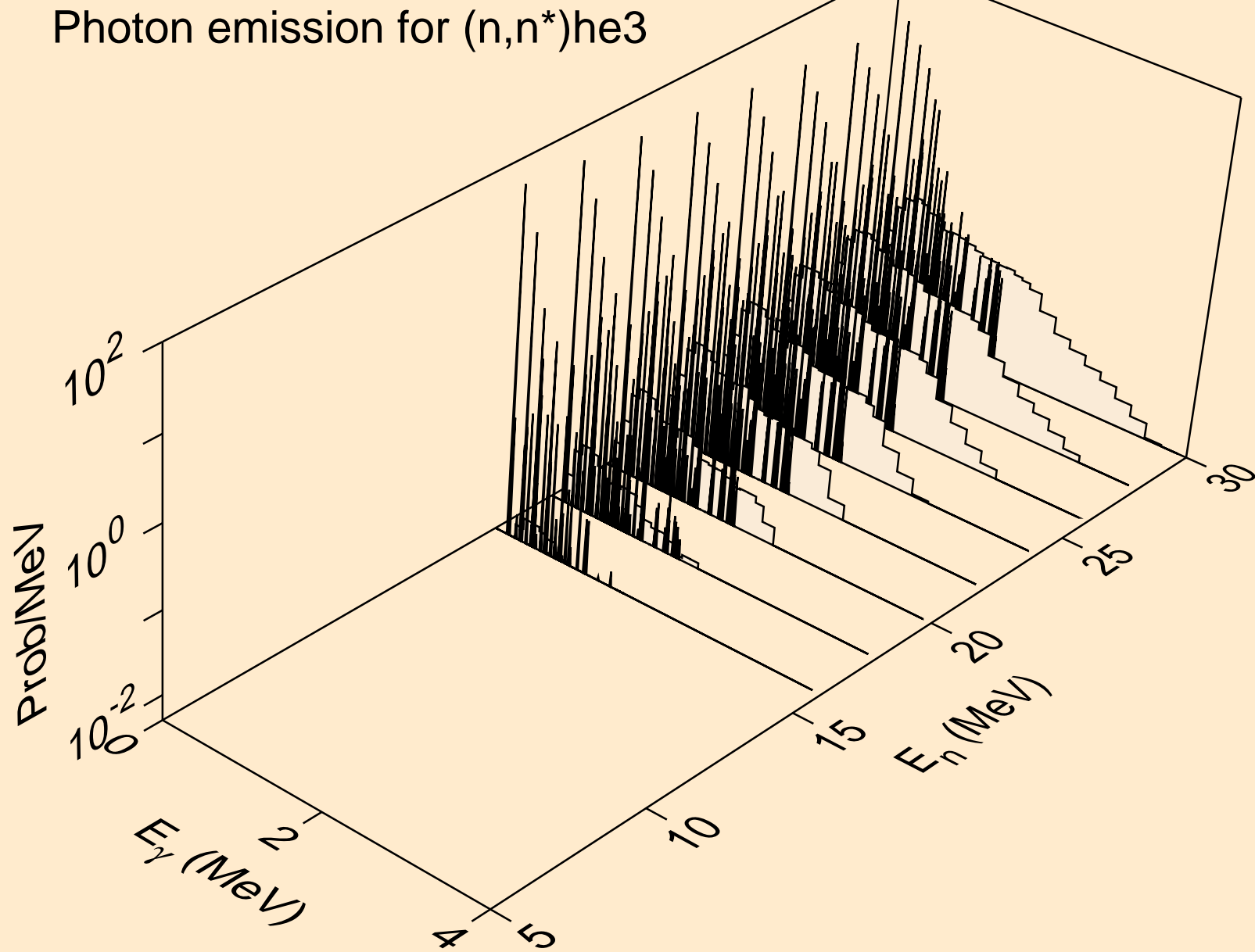
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



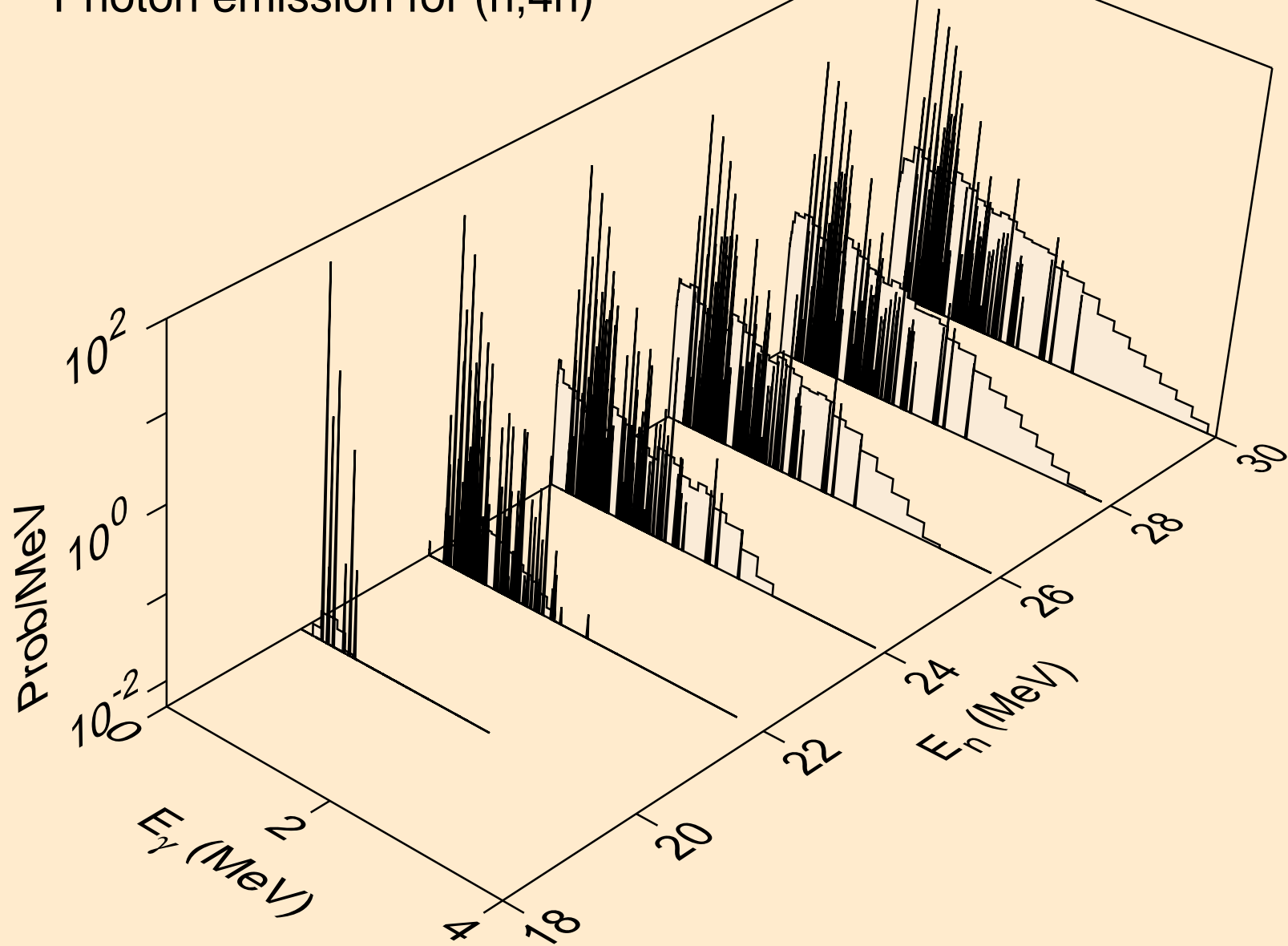
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



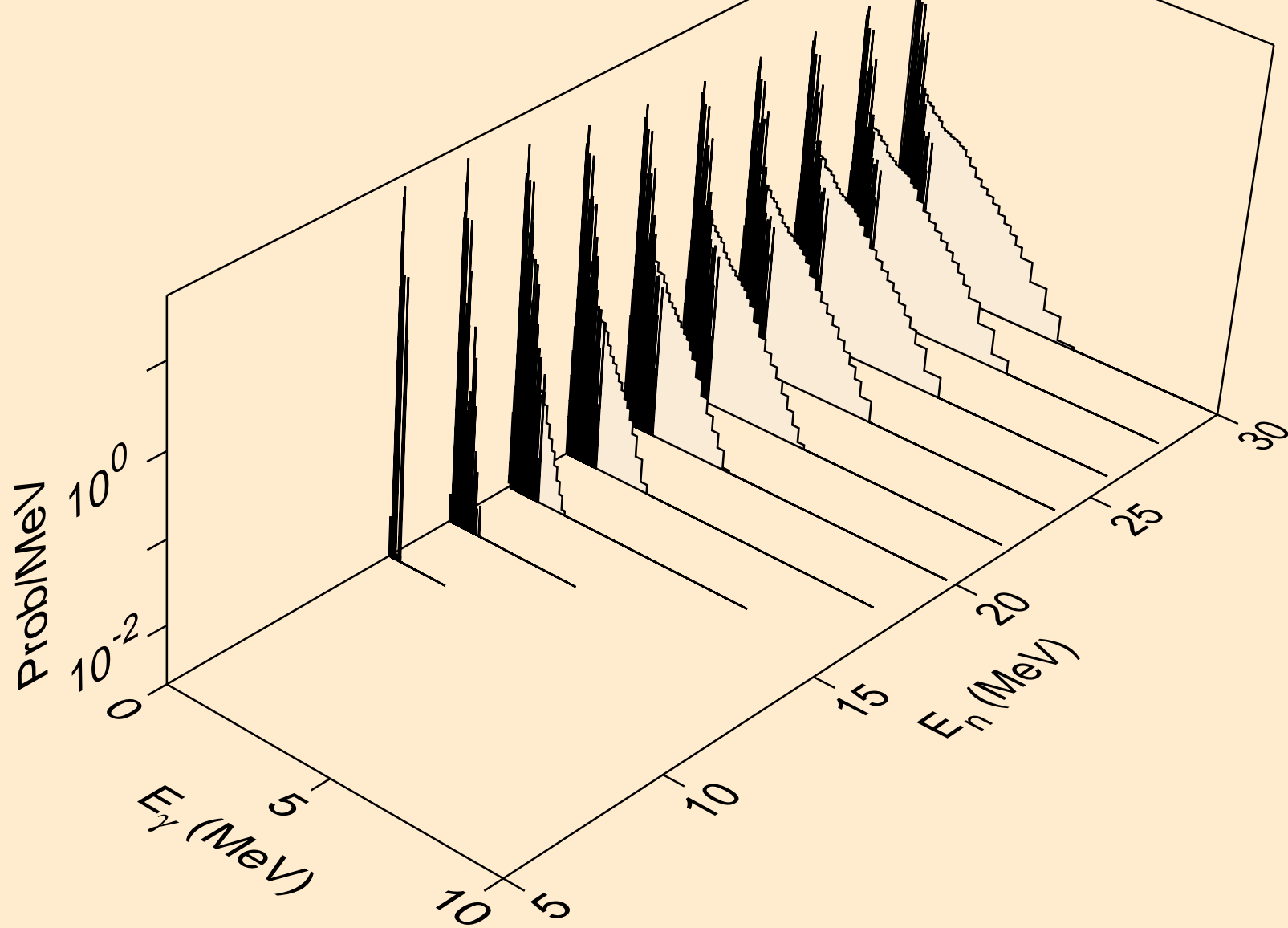
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



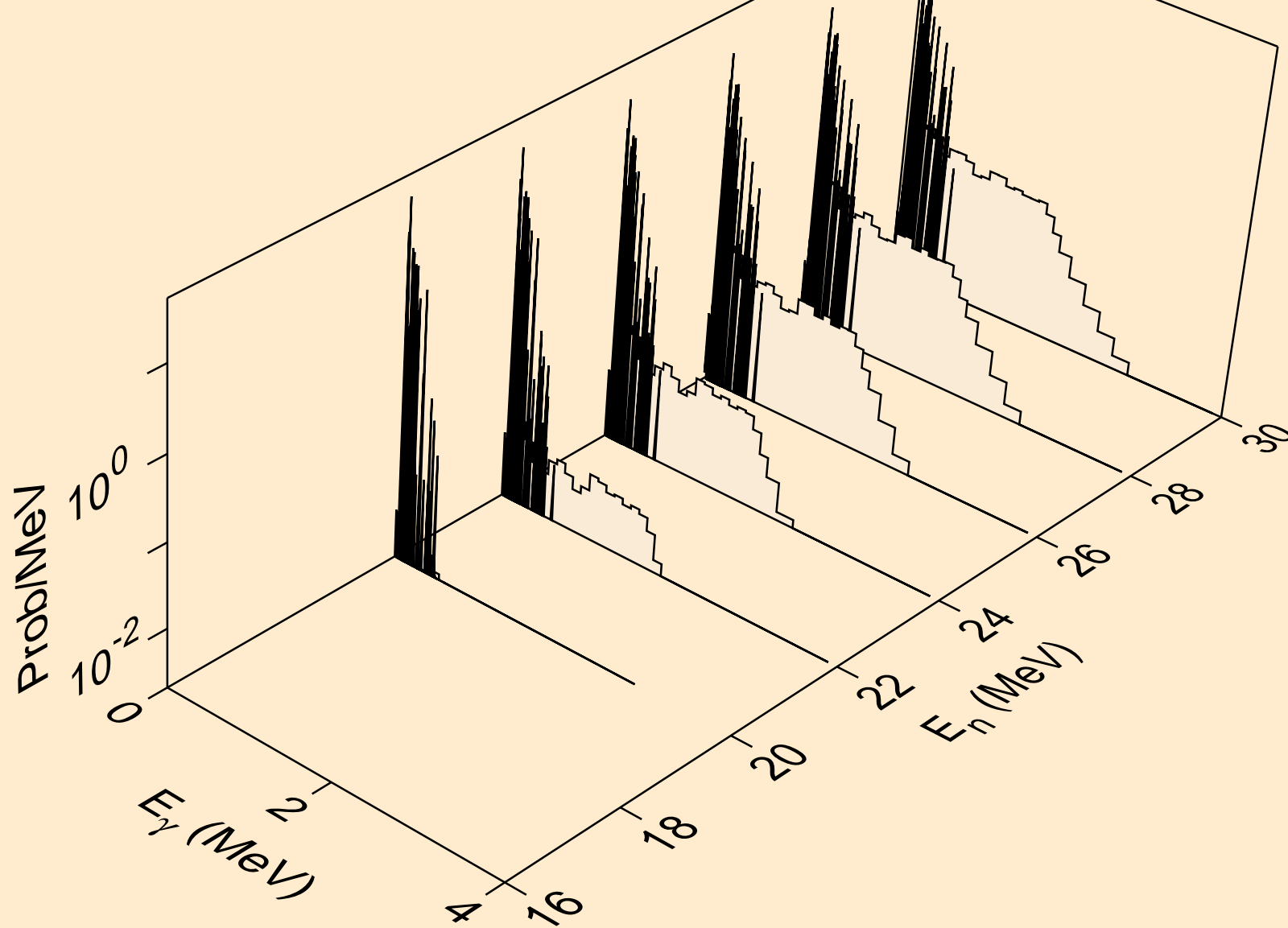
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



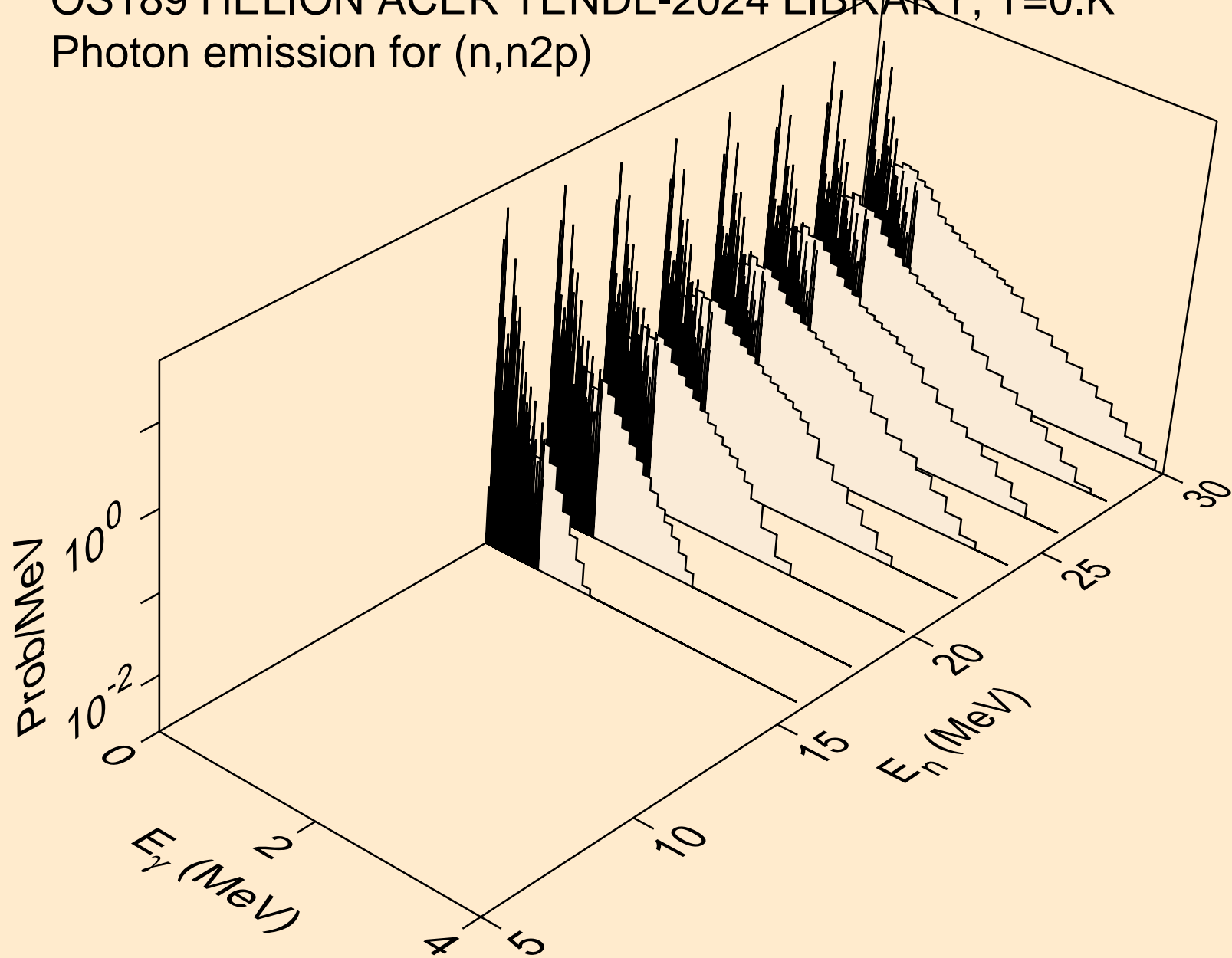
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



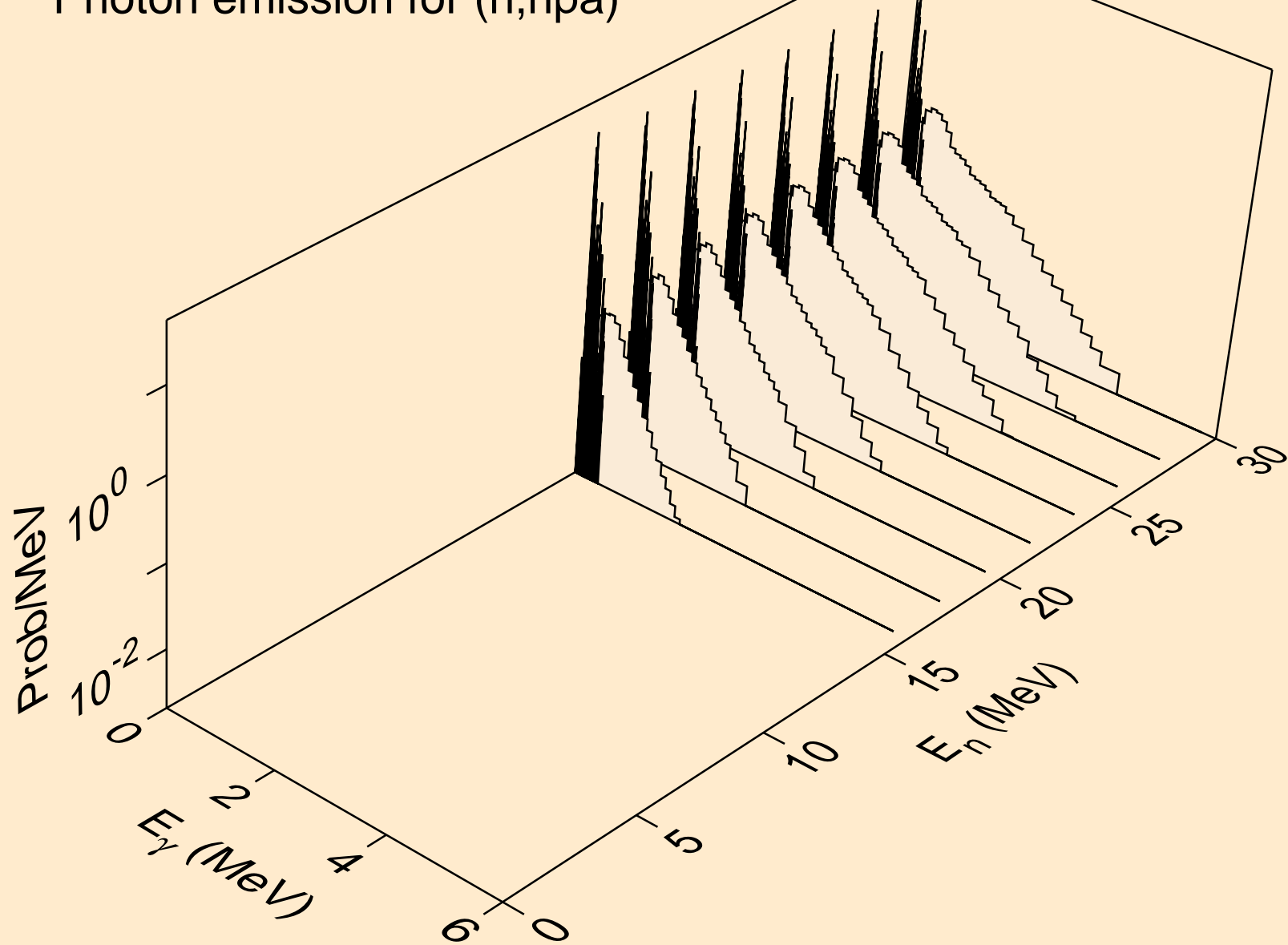
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Photon emission for (n,3np)



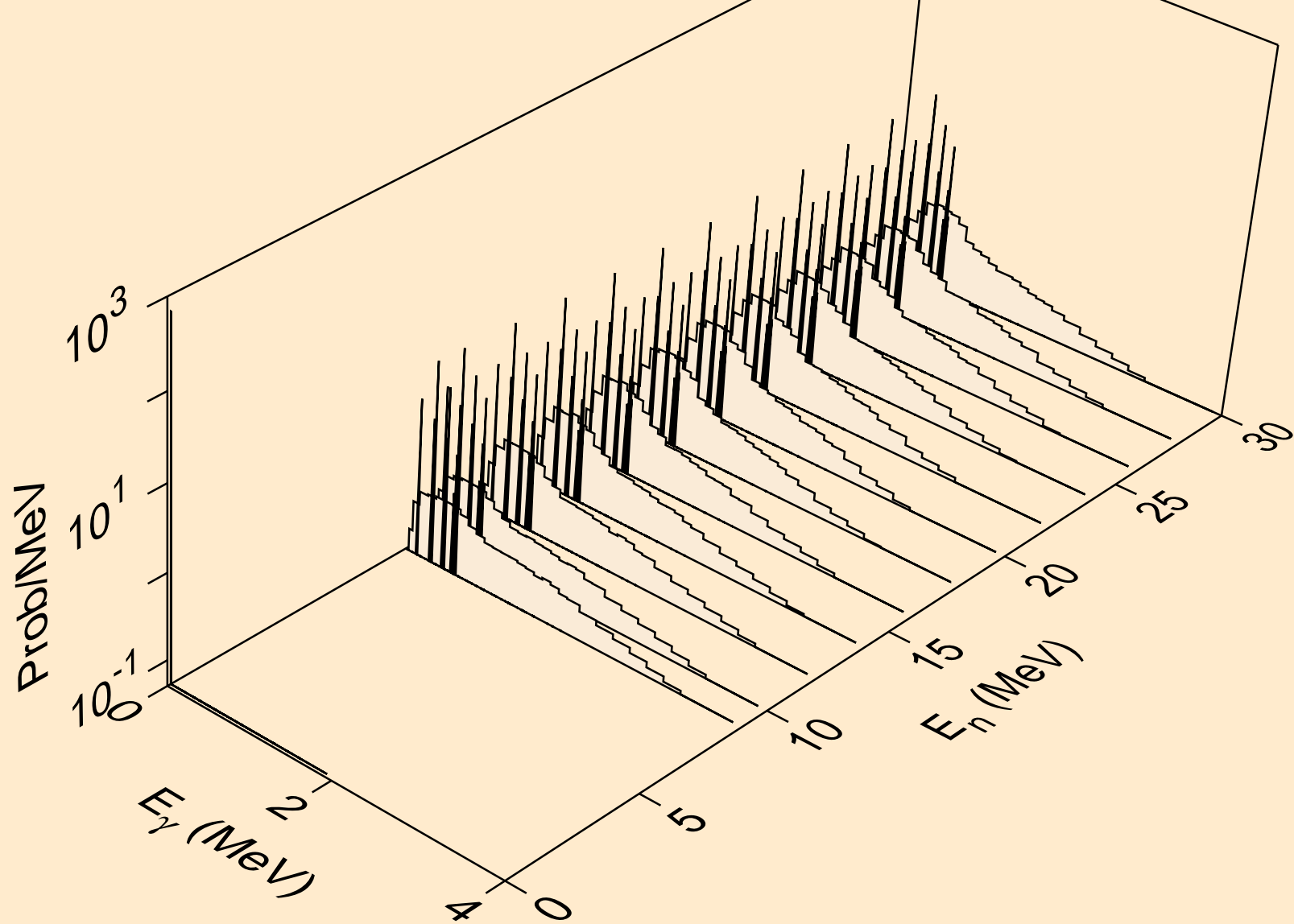
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



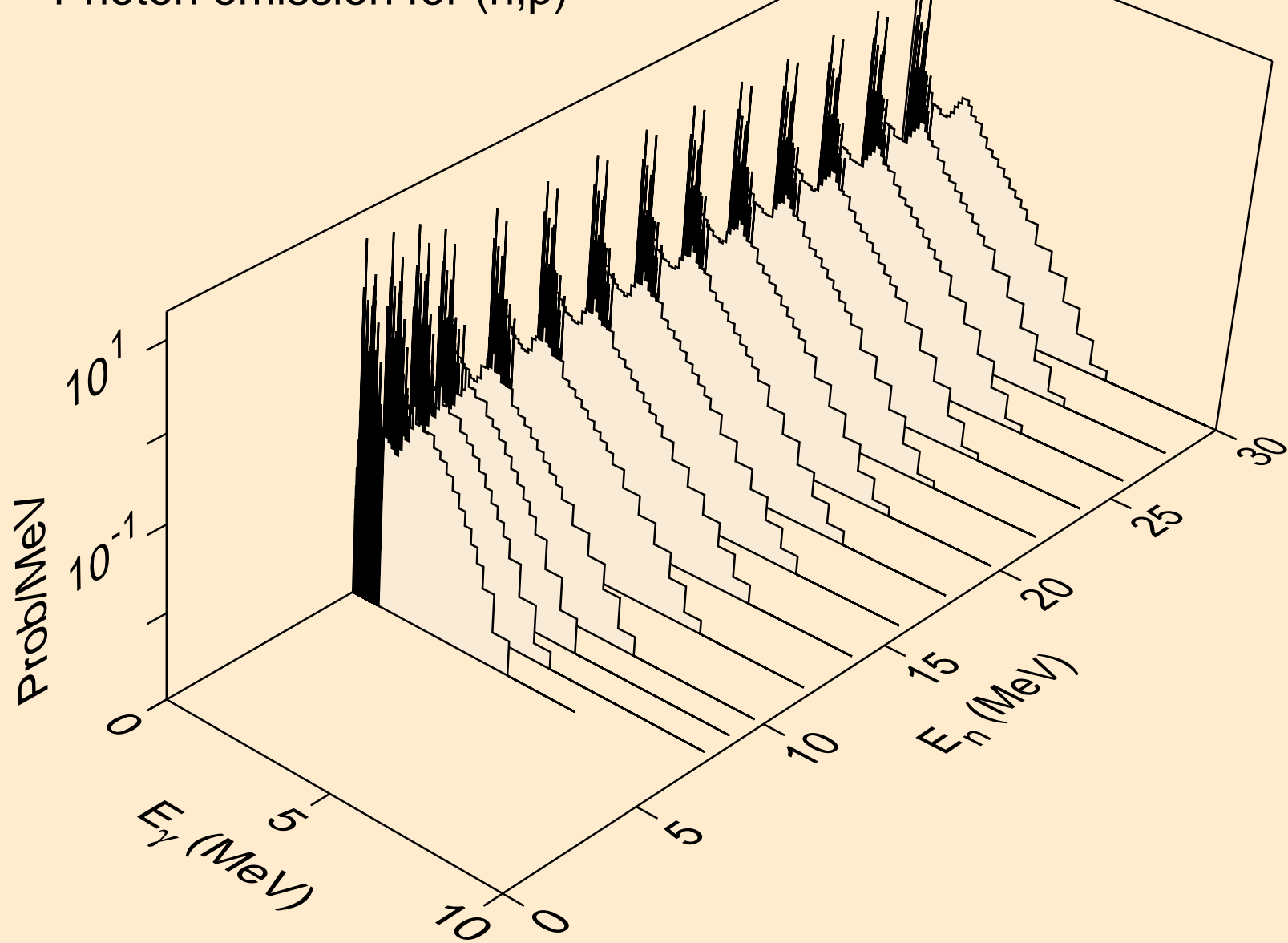
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



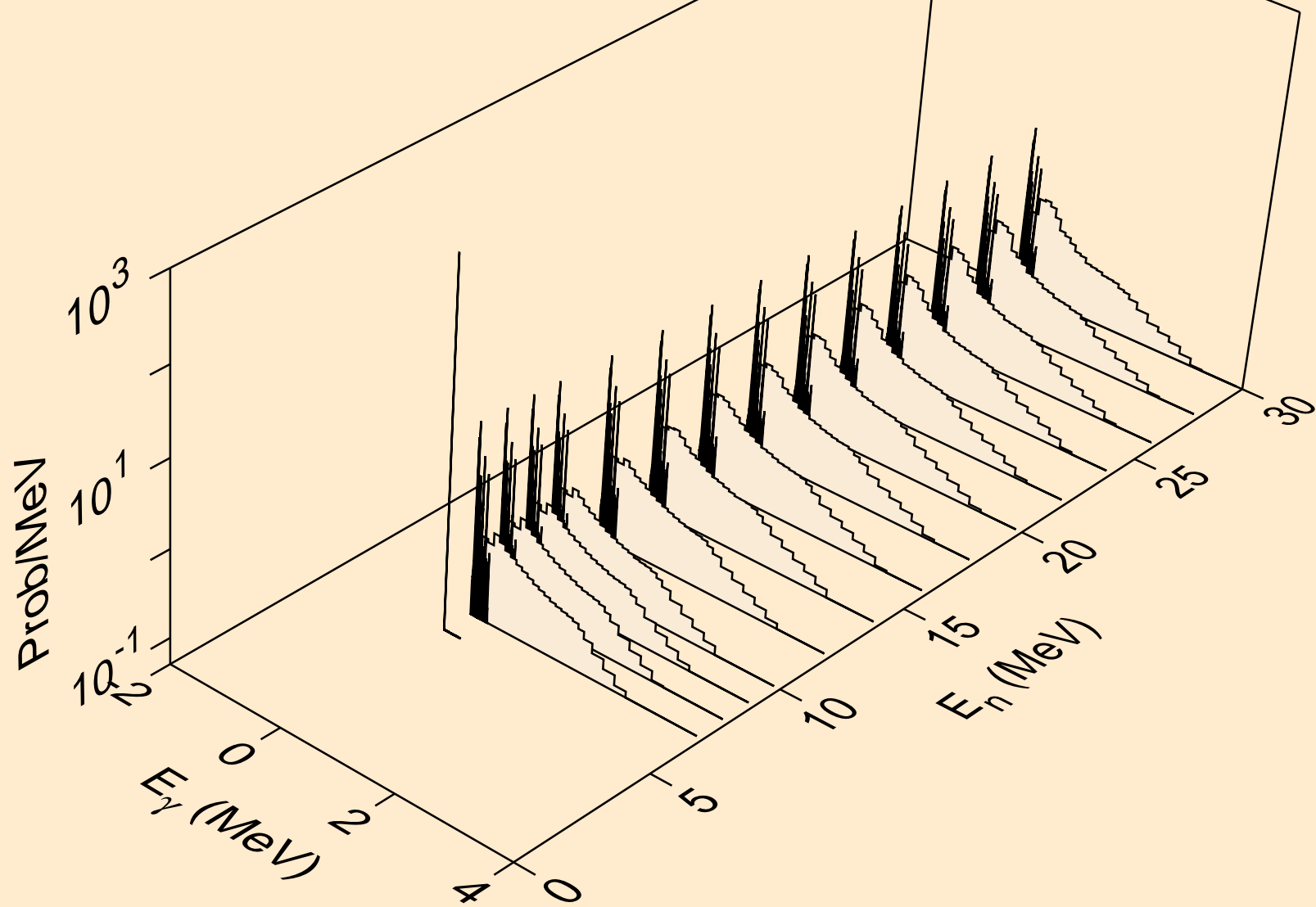
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Photon emission for (n,gma)



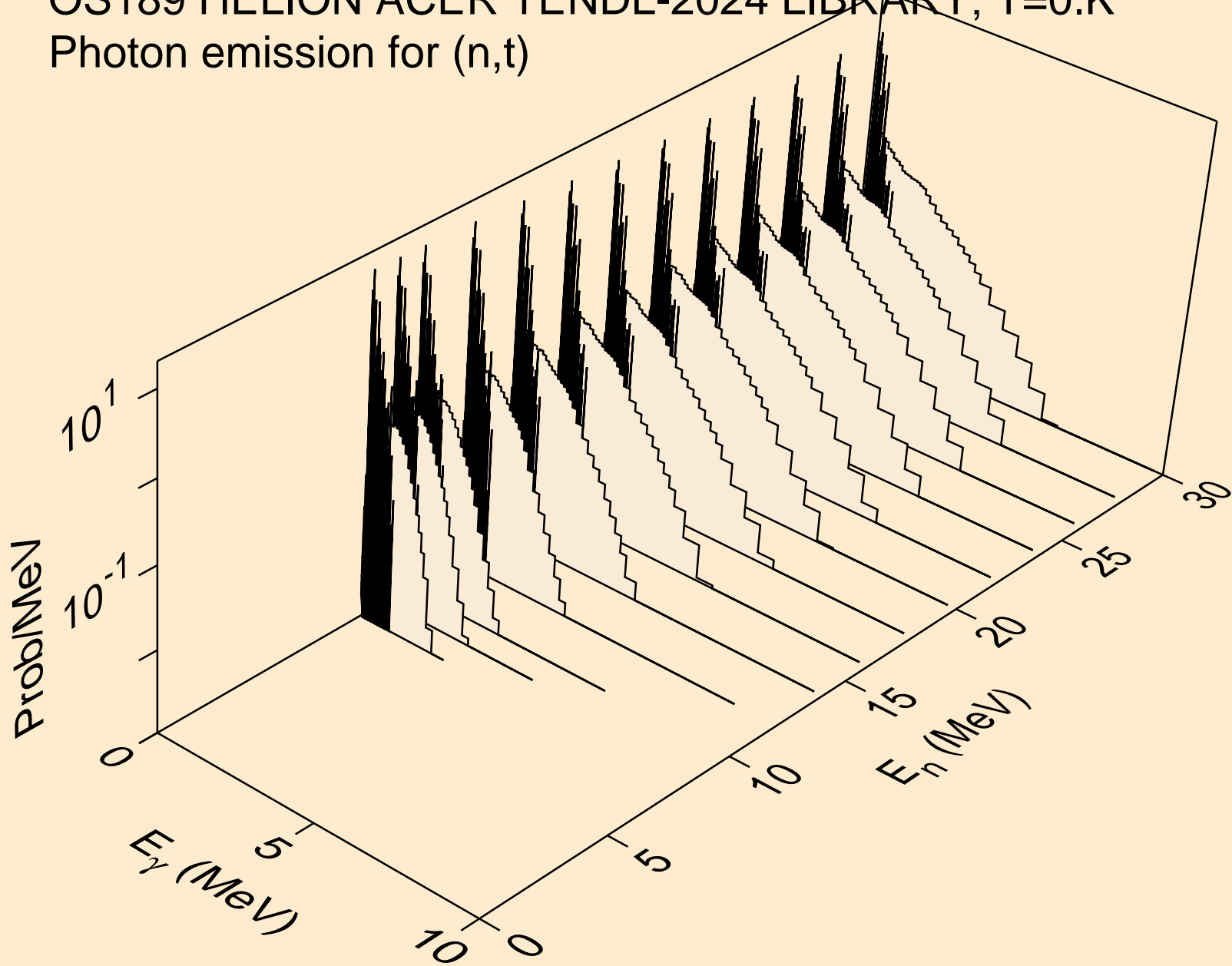
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



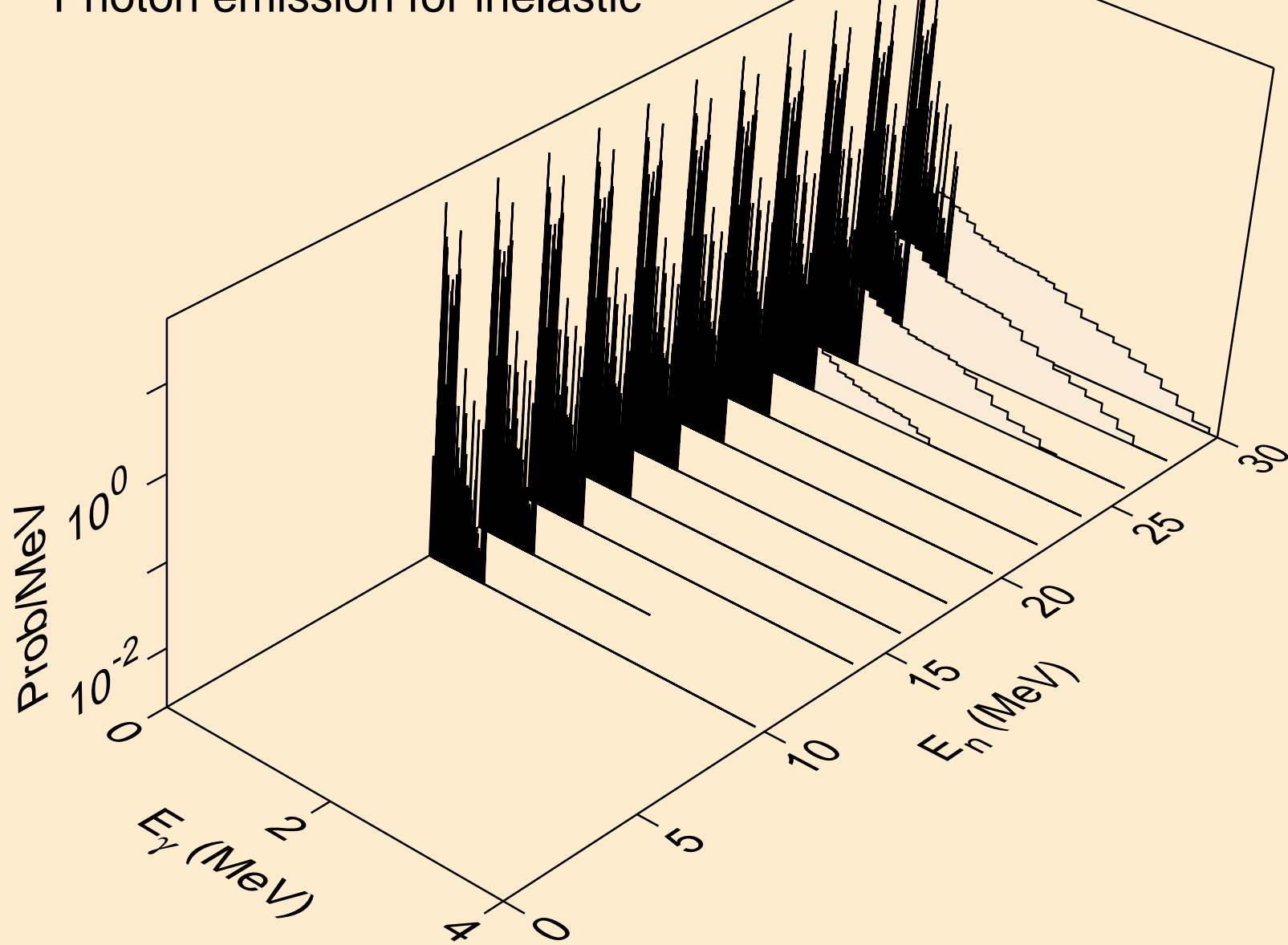
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Photon emission for (n,d)



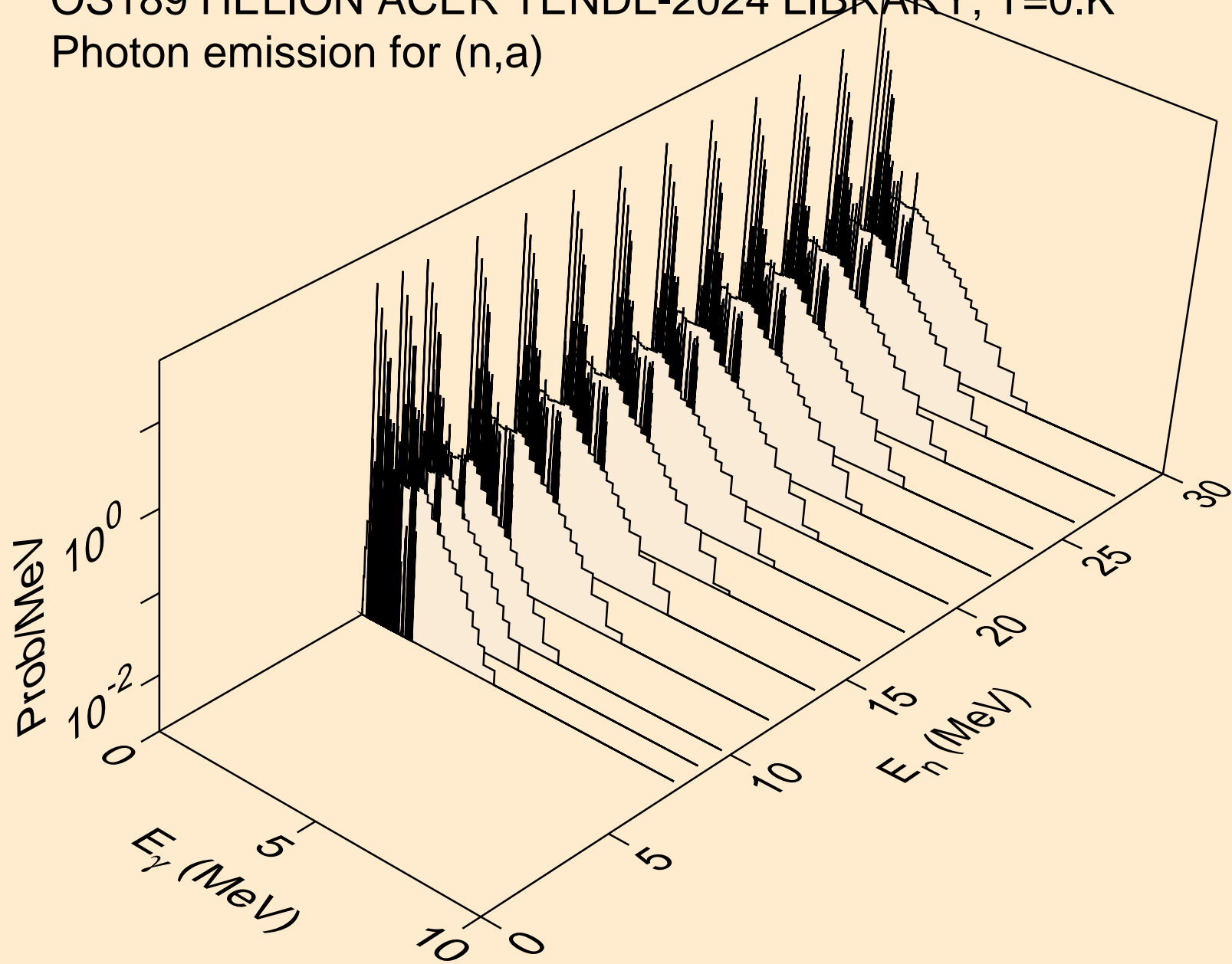
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Photon emission for (n,t)



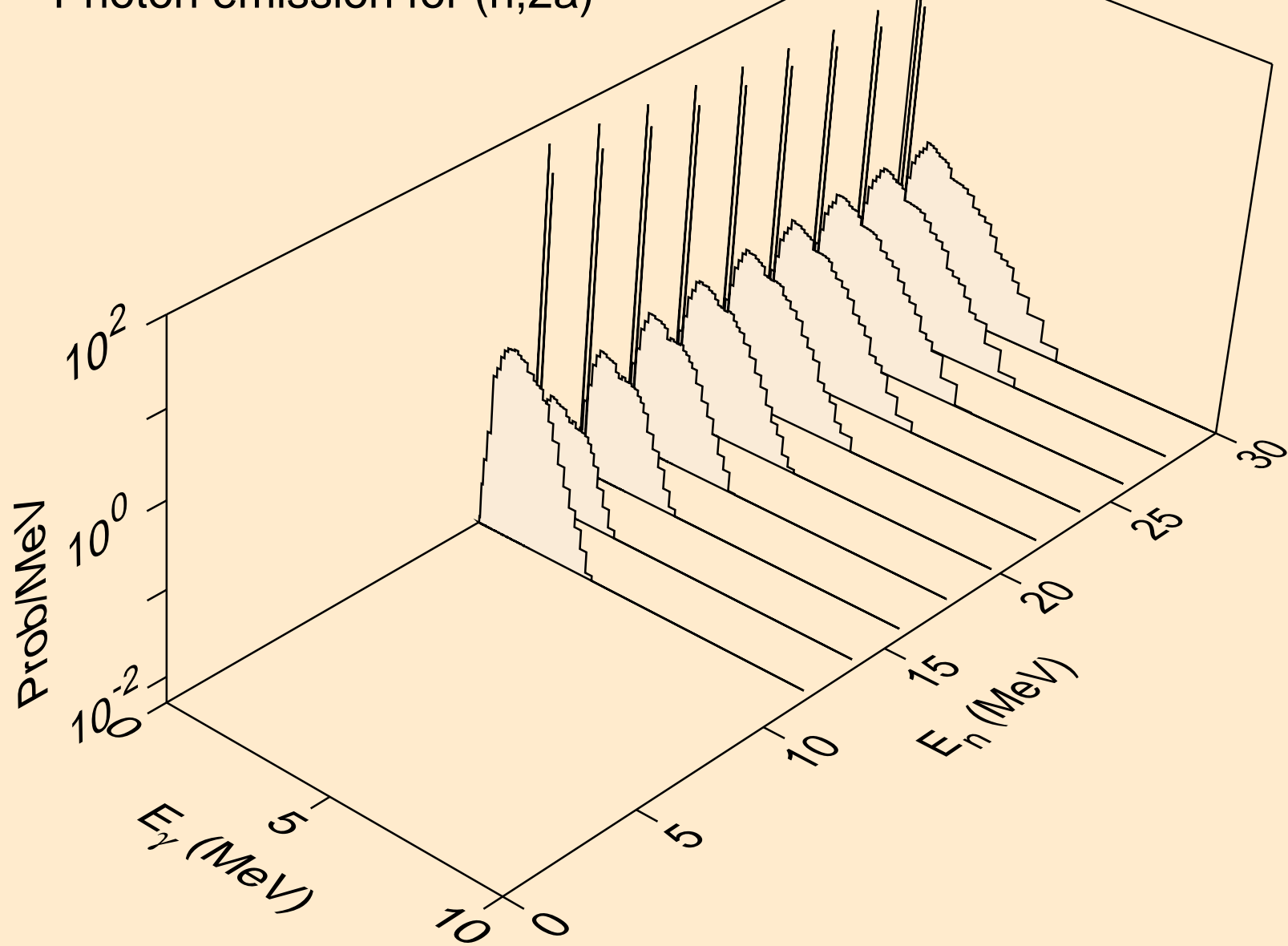
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for inelastic



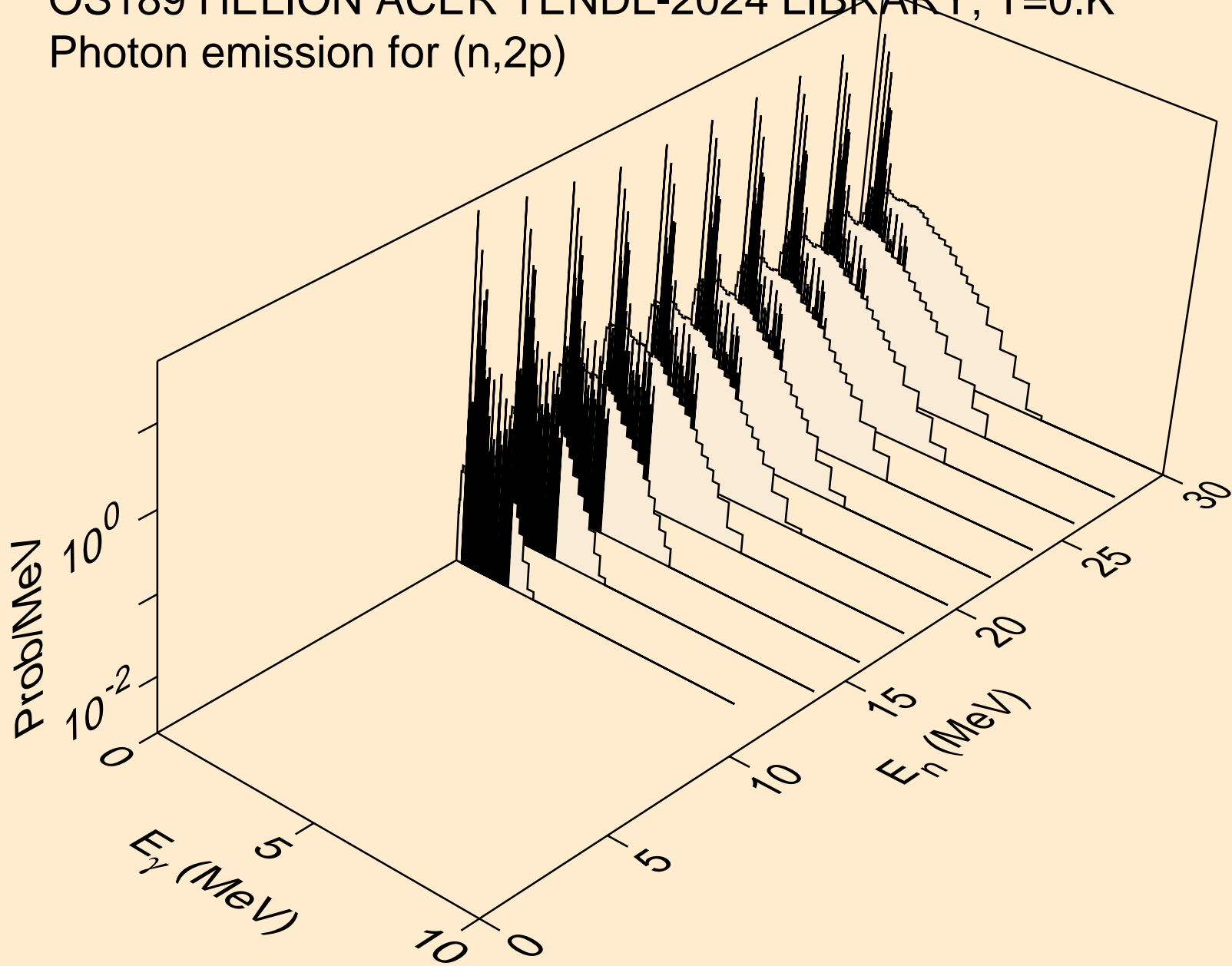
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



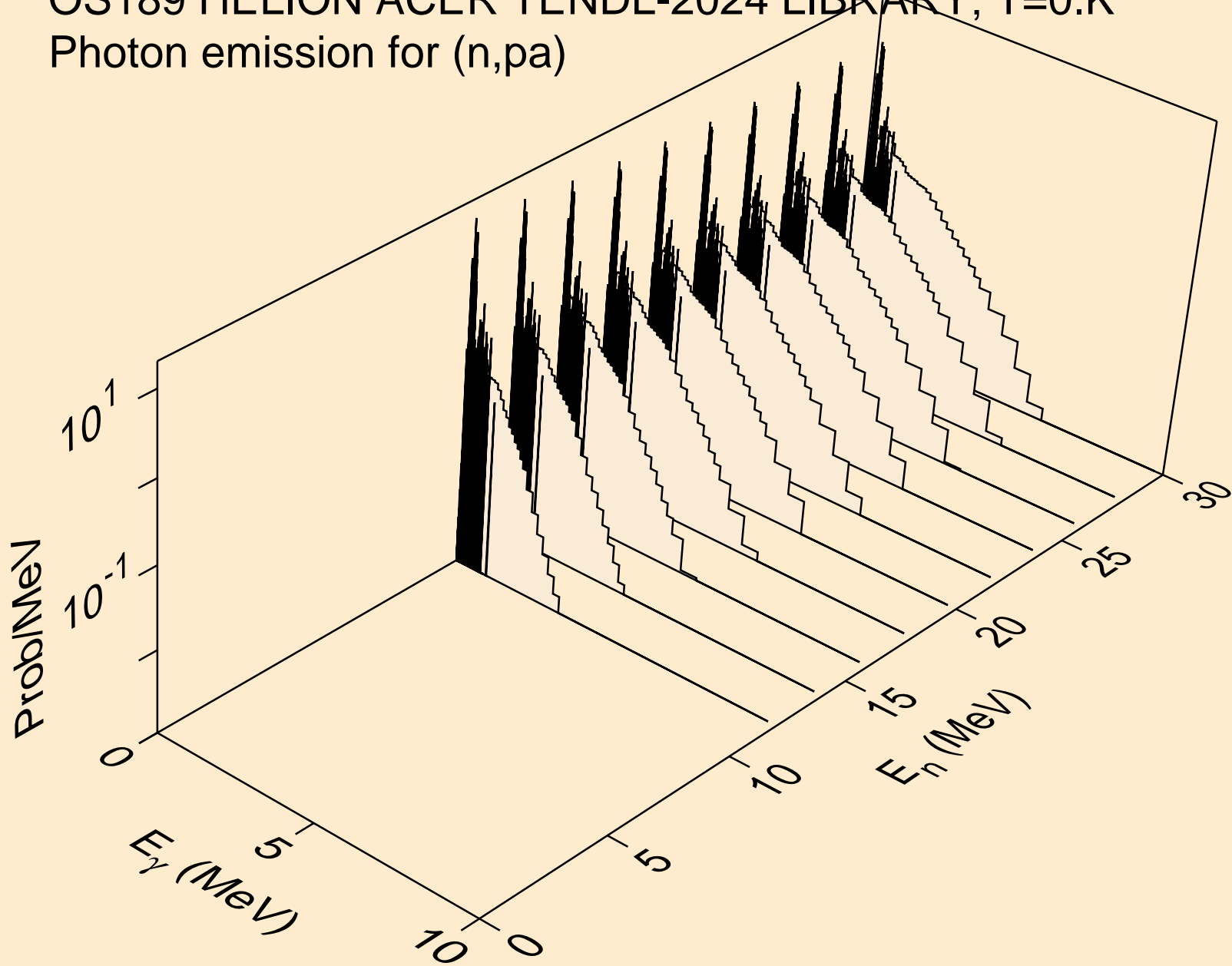
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Photon emission for (n,2a)



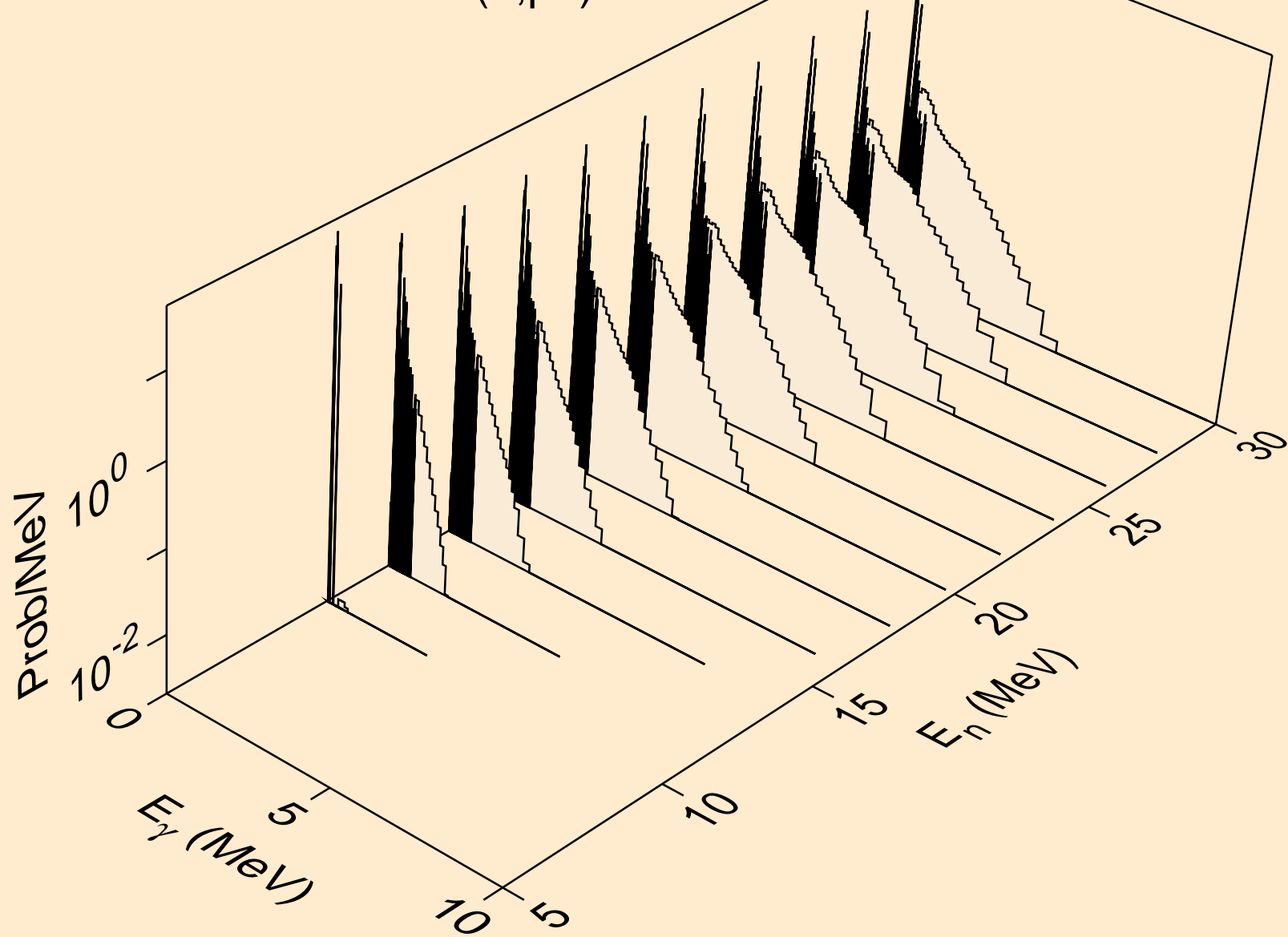
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



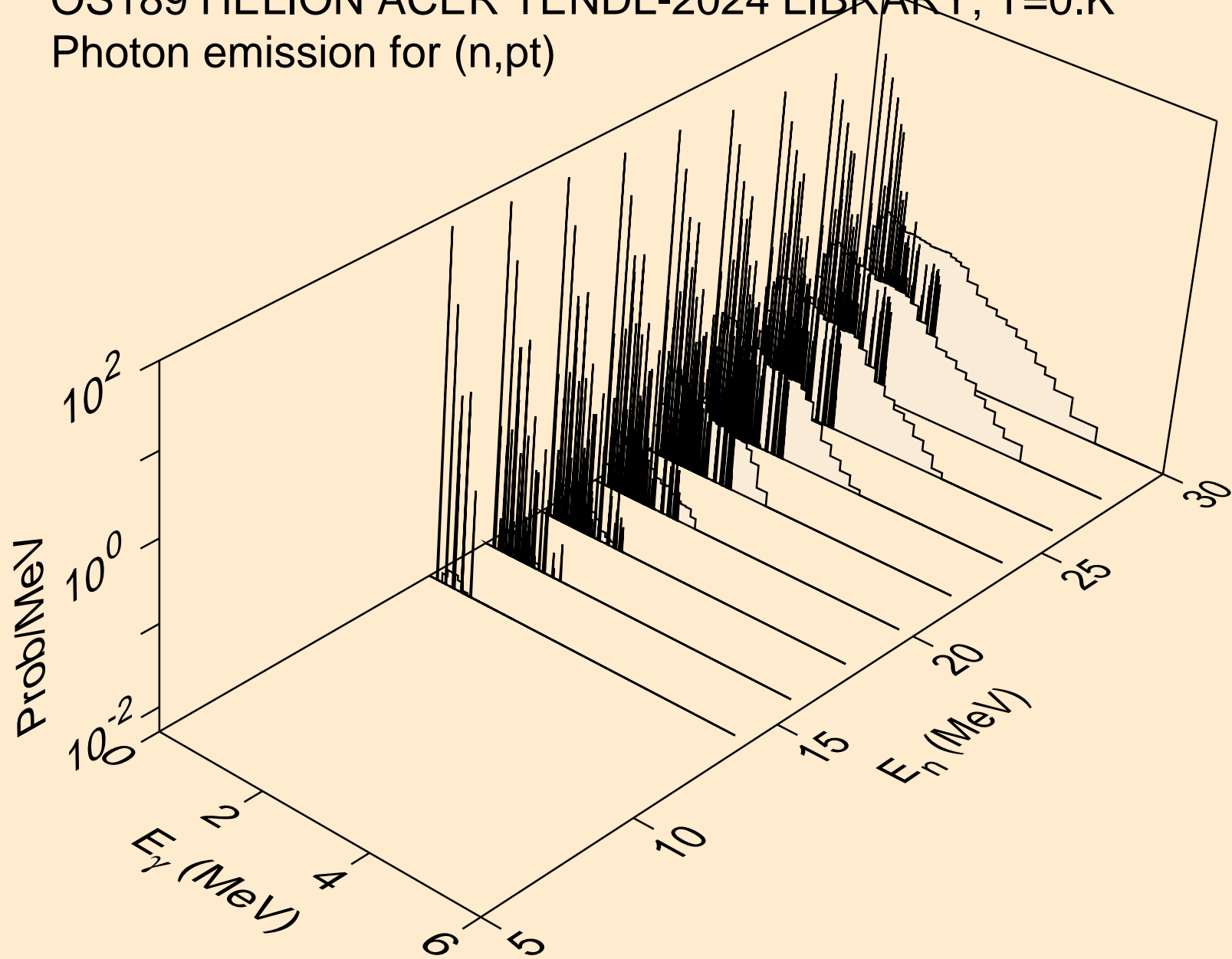
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pa)



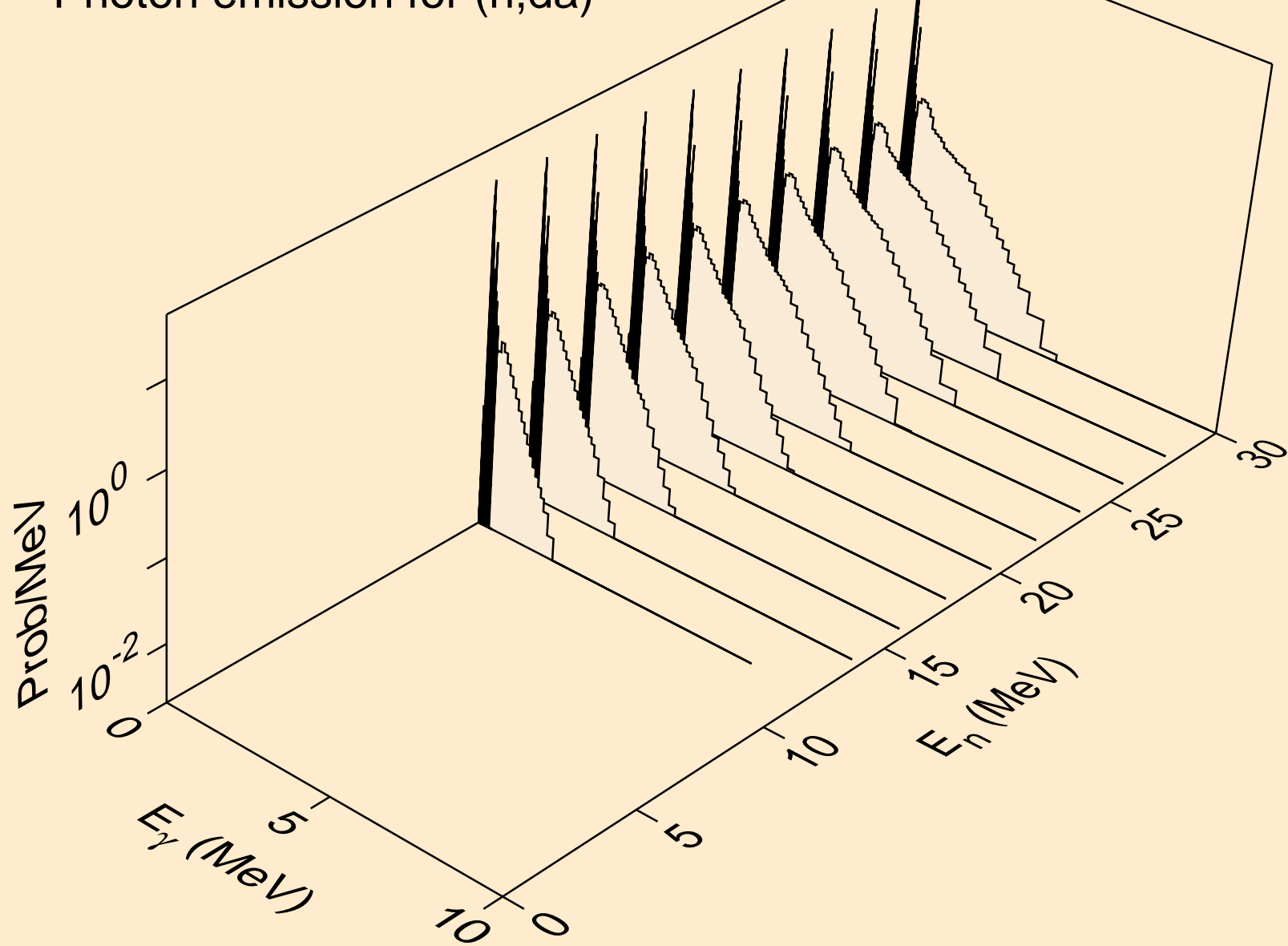
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)

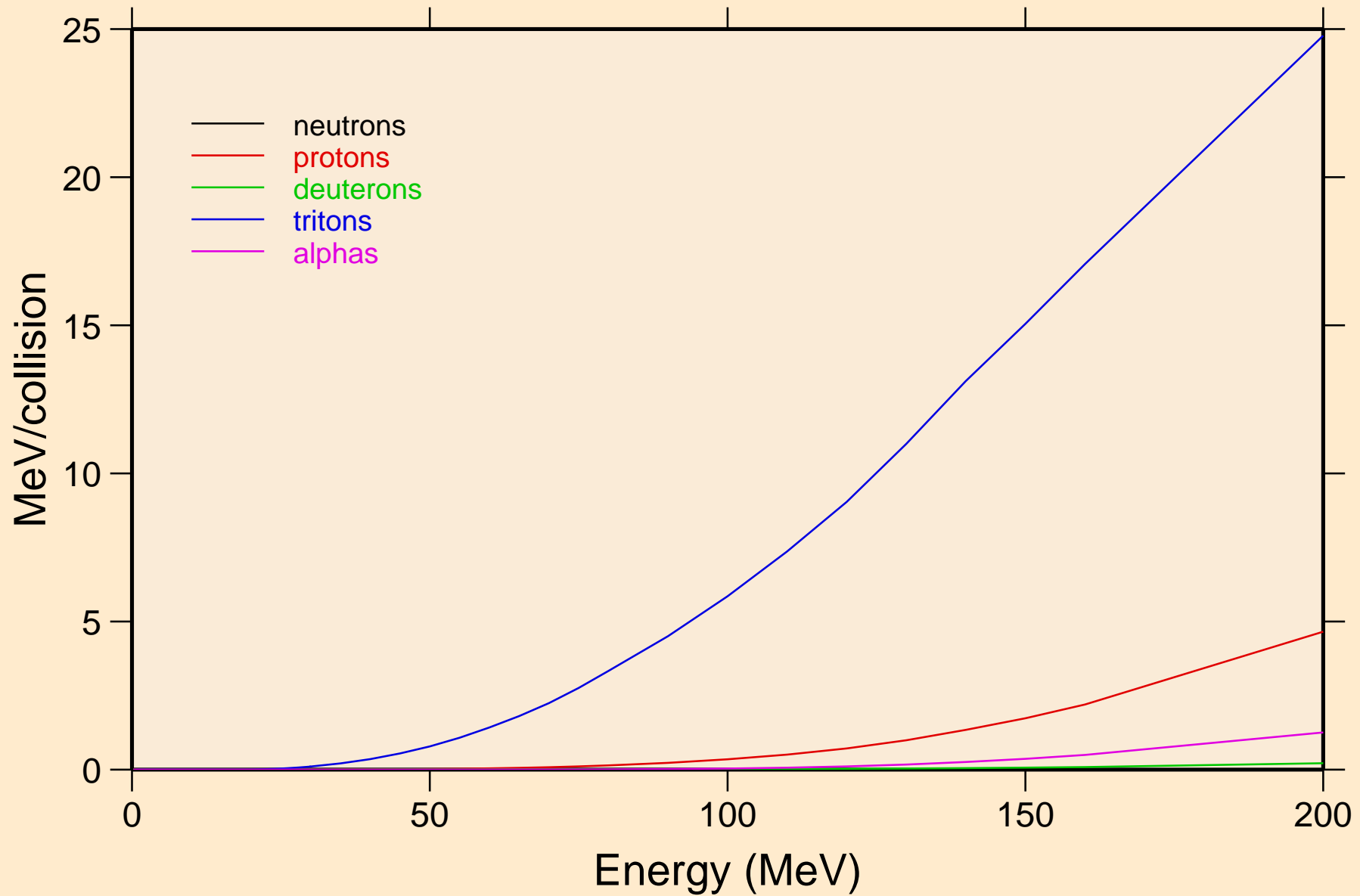


OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)

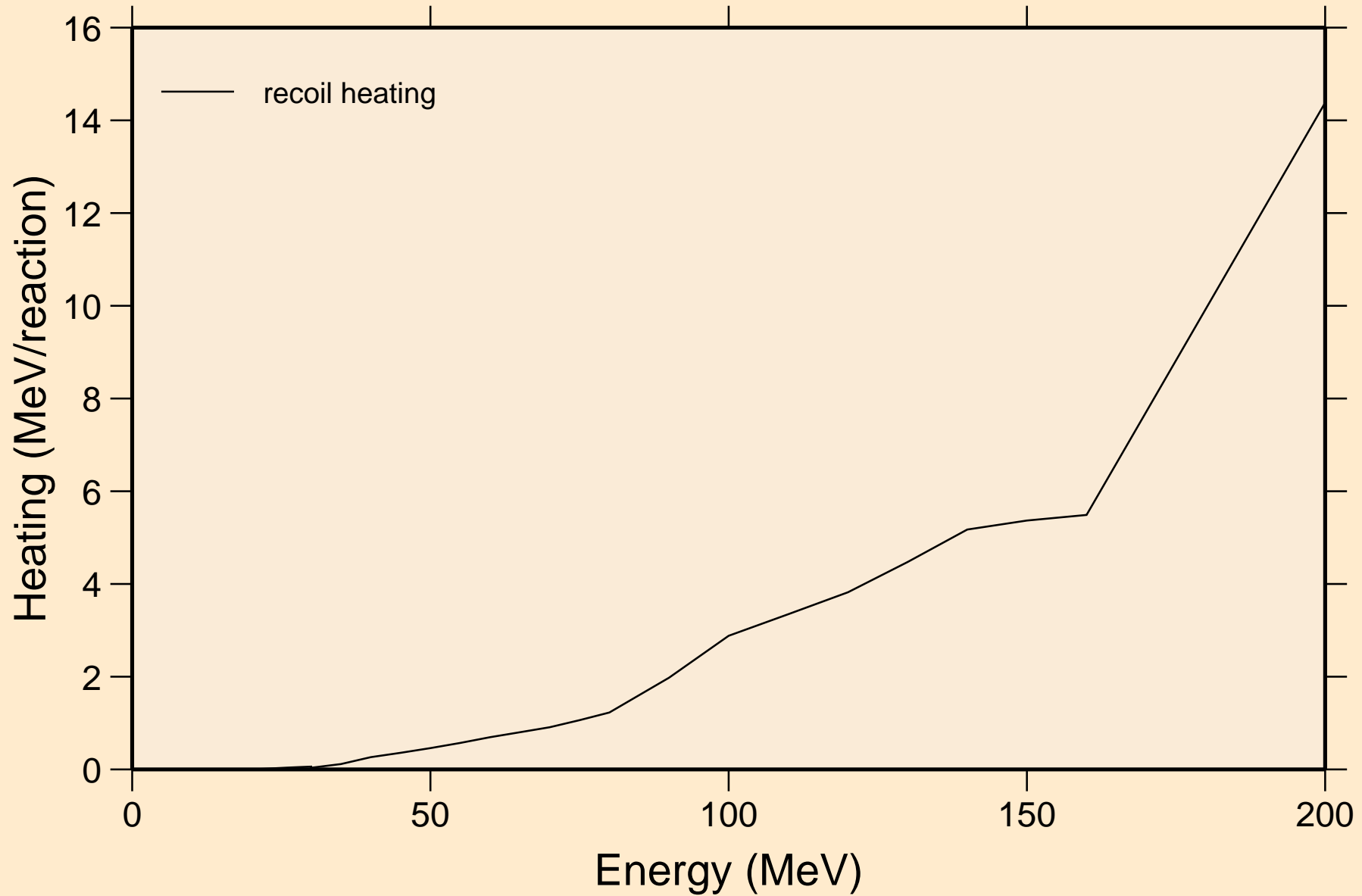


# OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K

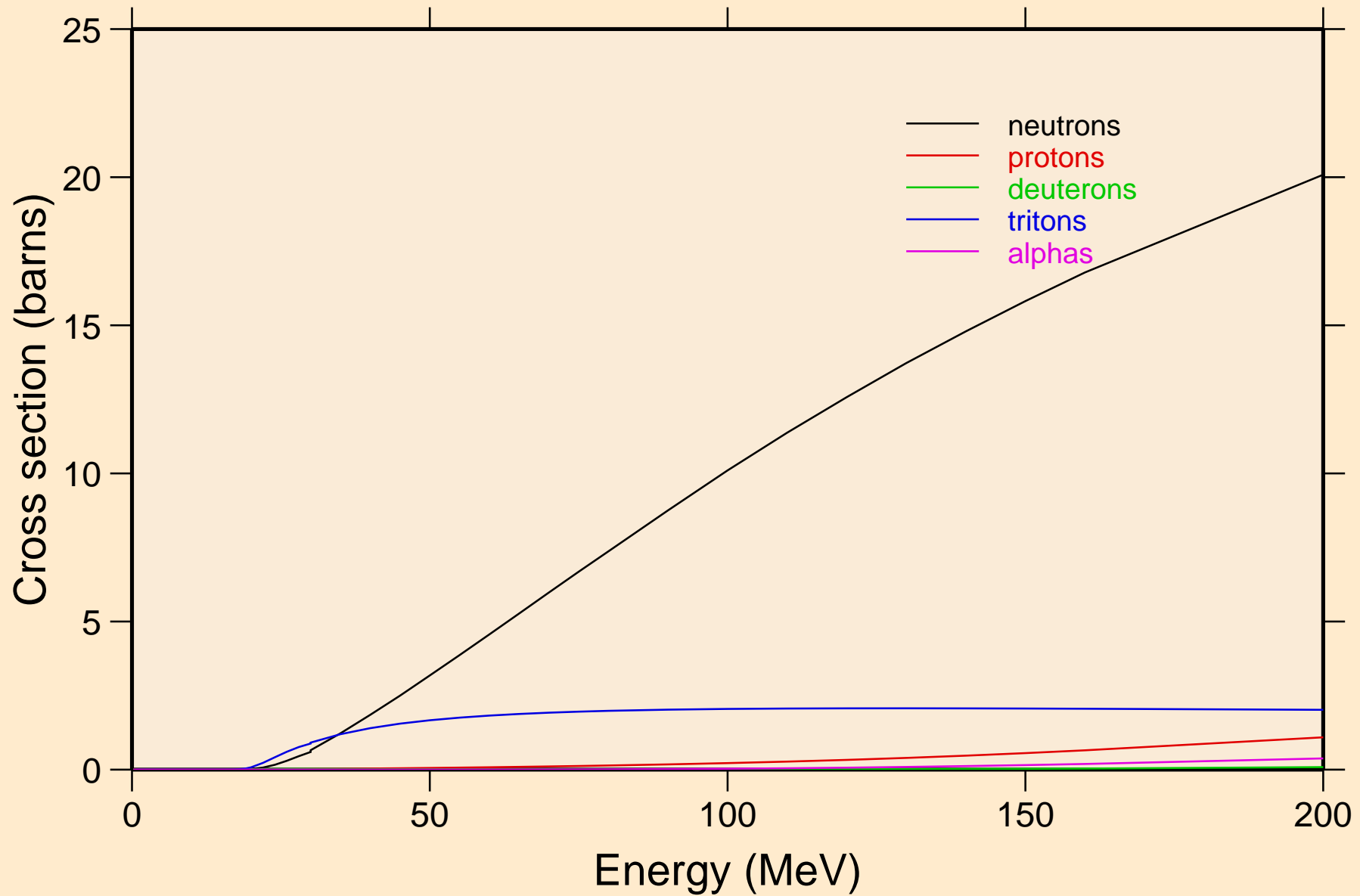
## Particle heating contributions



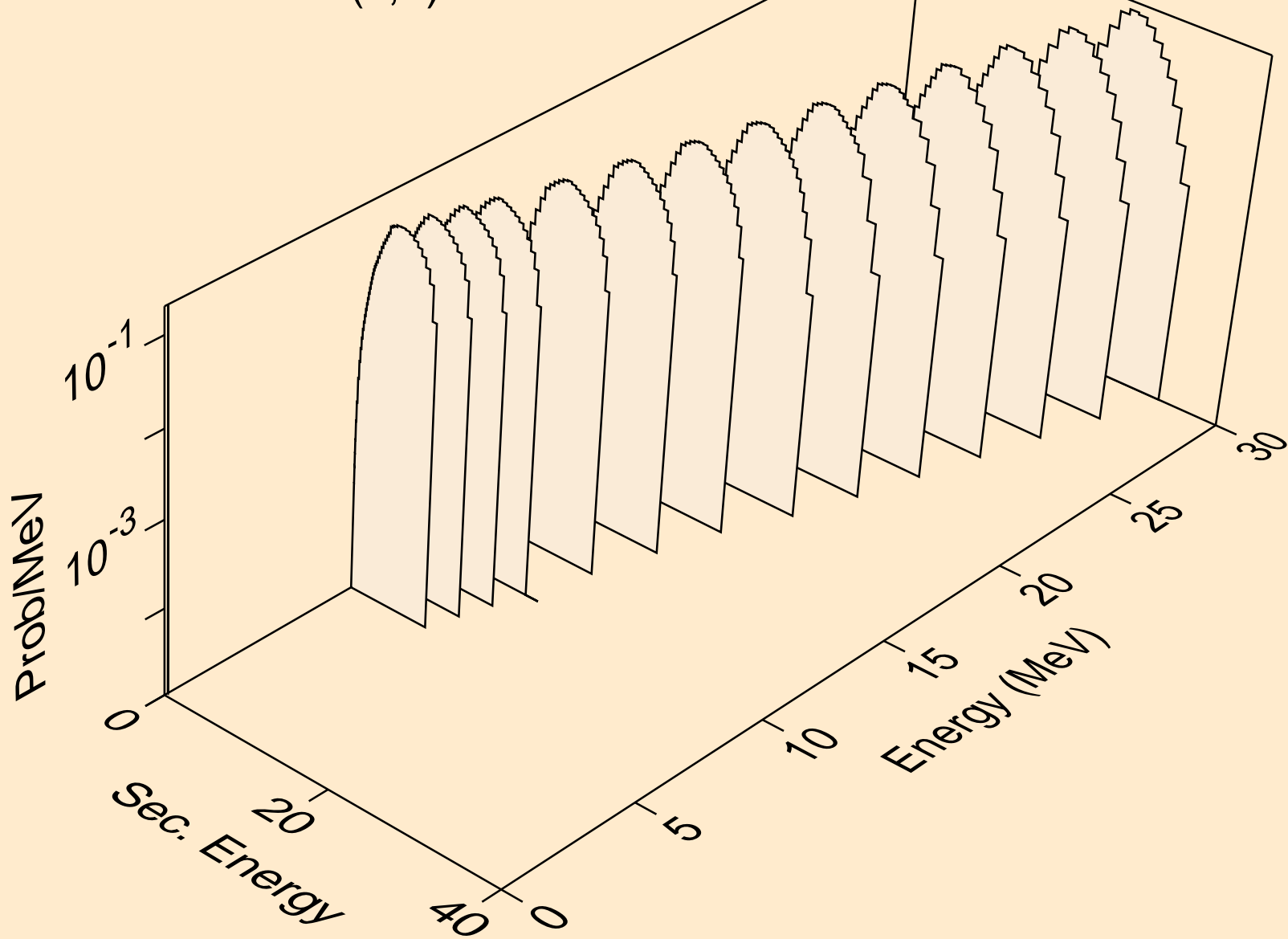
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating



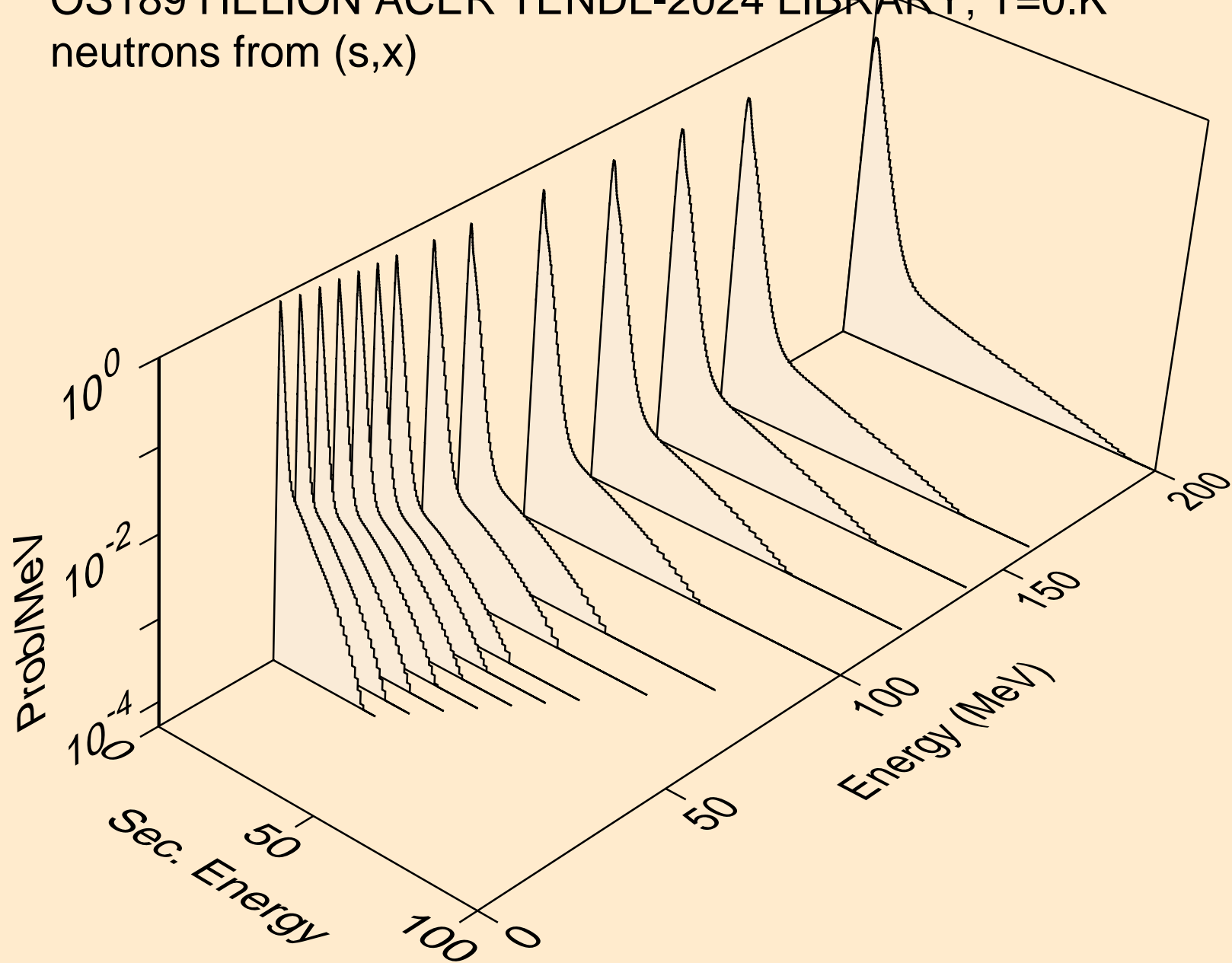
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Particle production cross sections



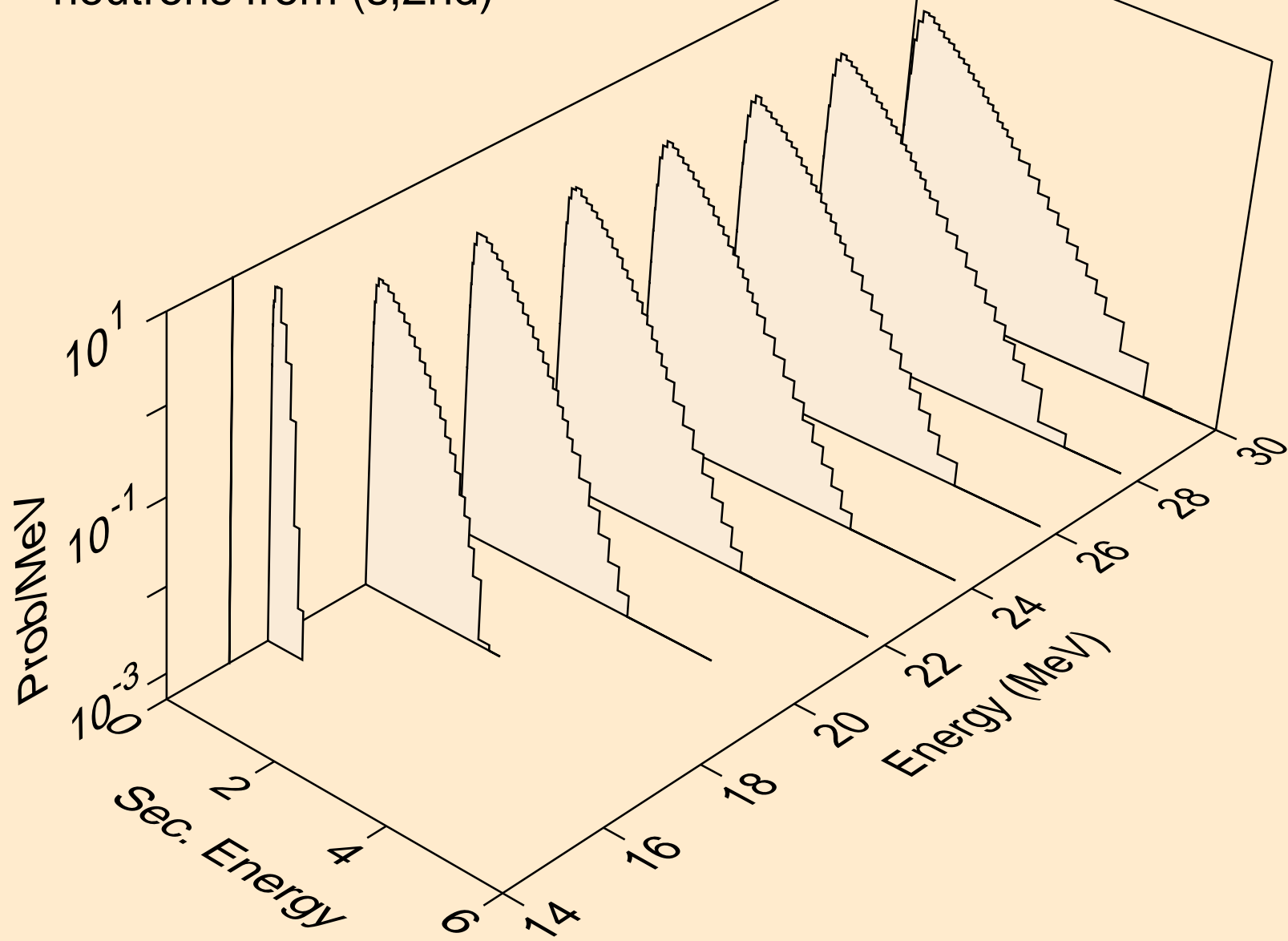
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n)



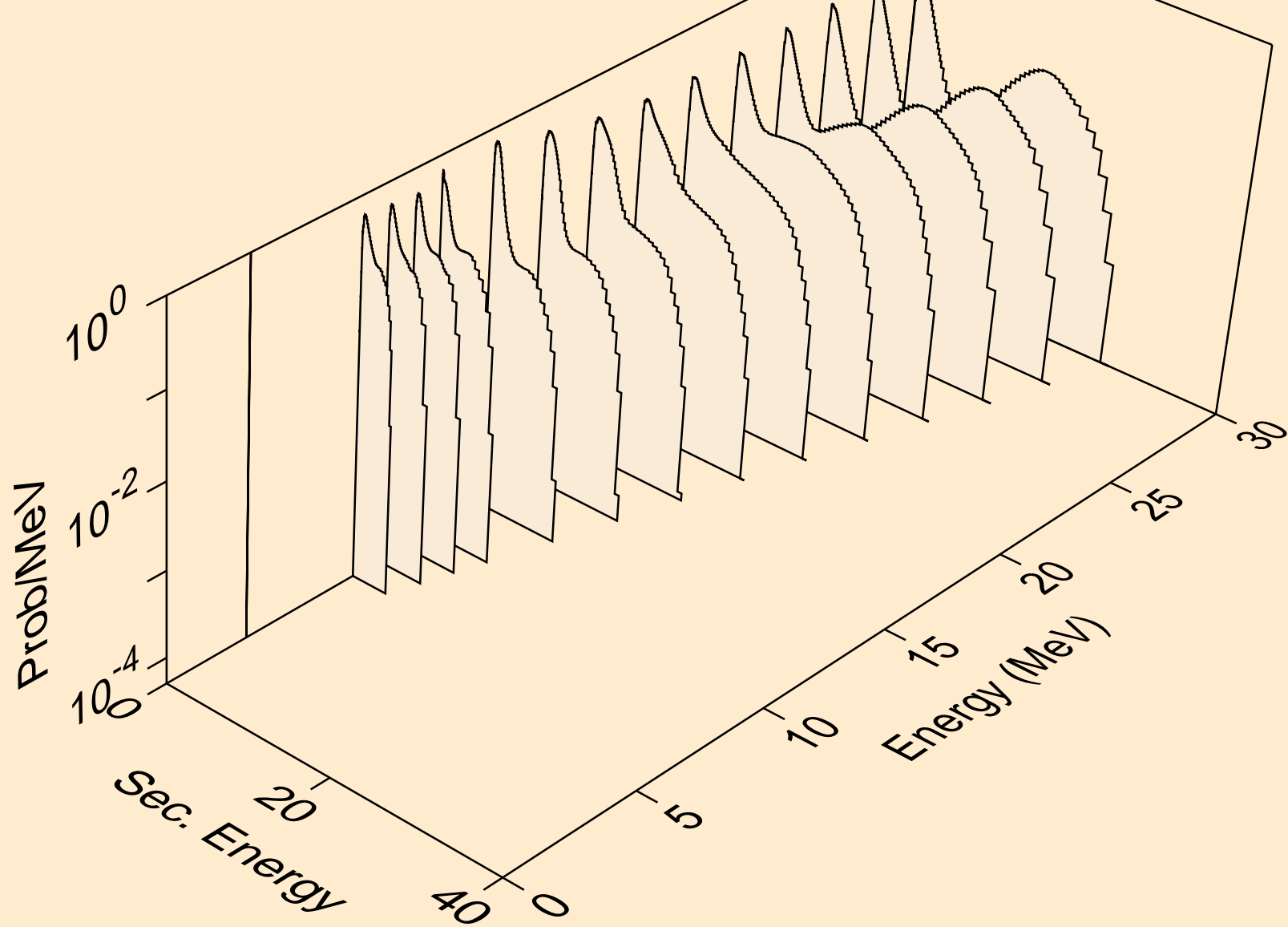
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,x)



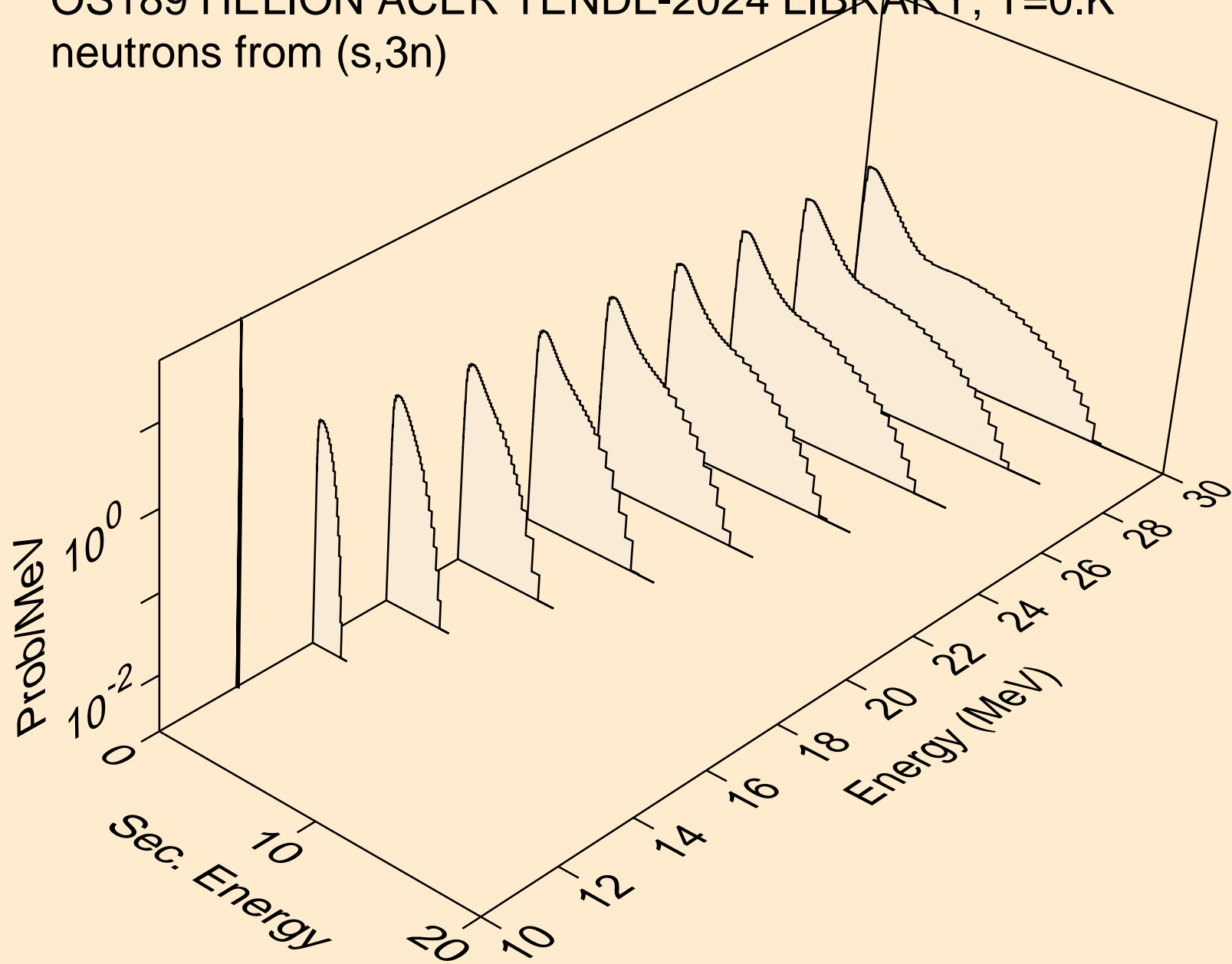
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,2nd)



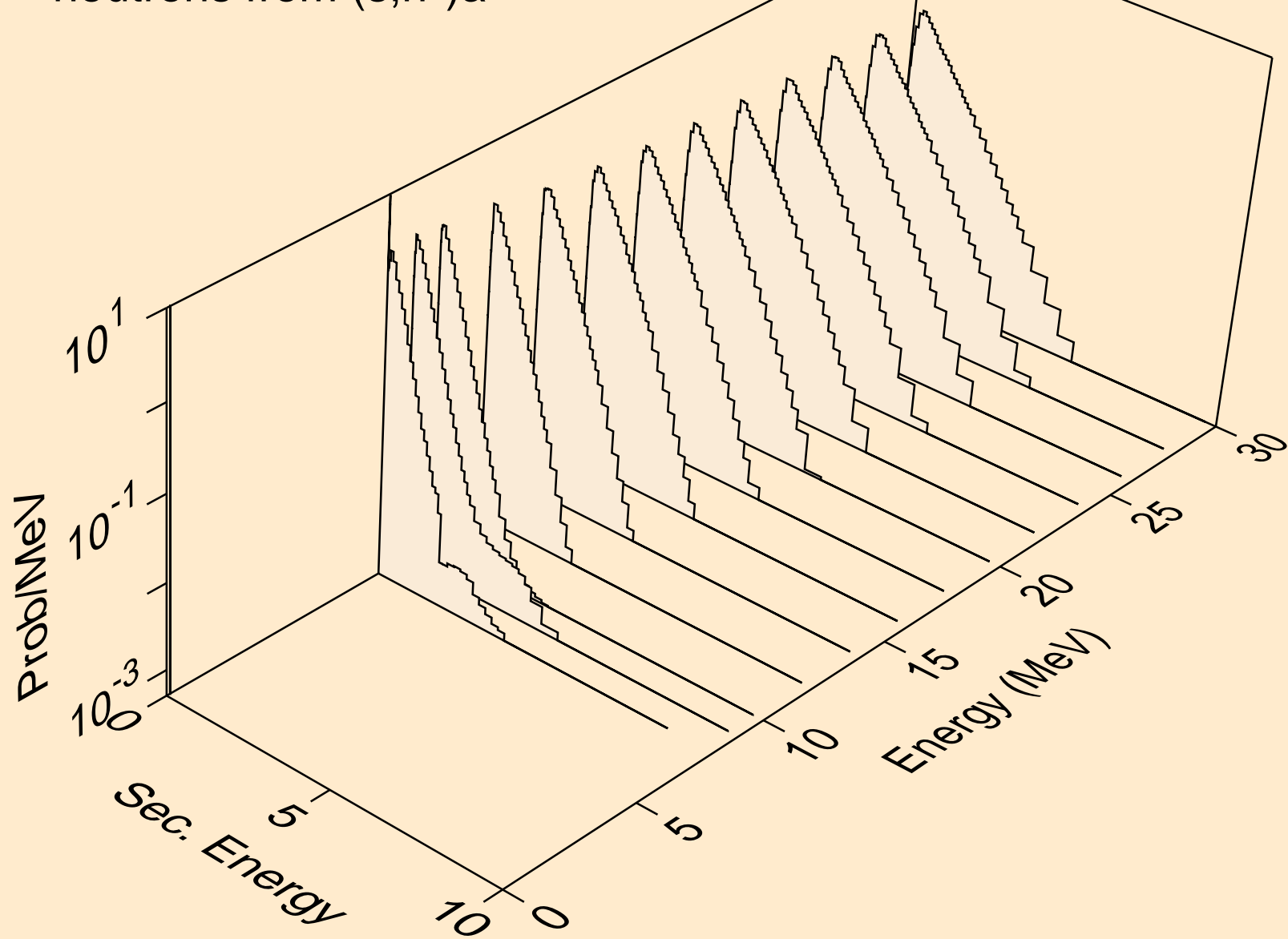
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,2n)



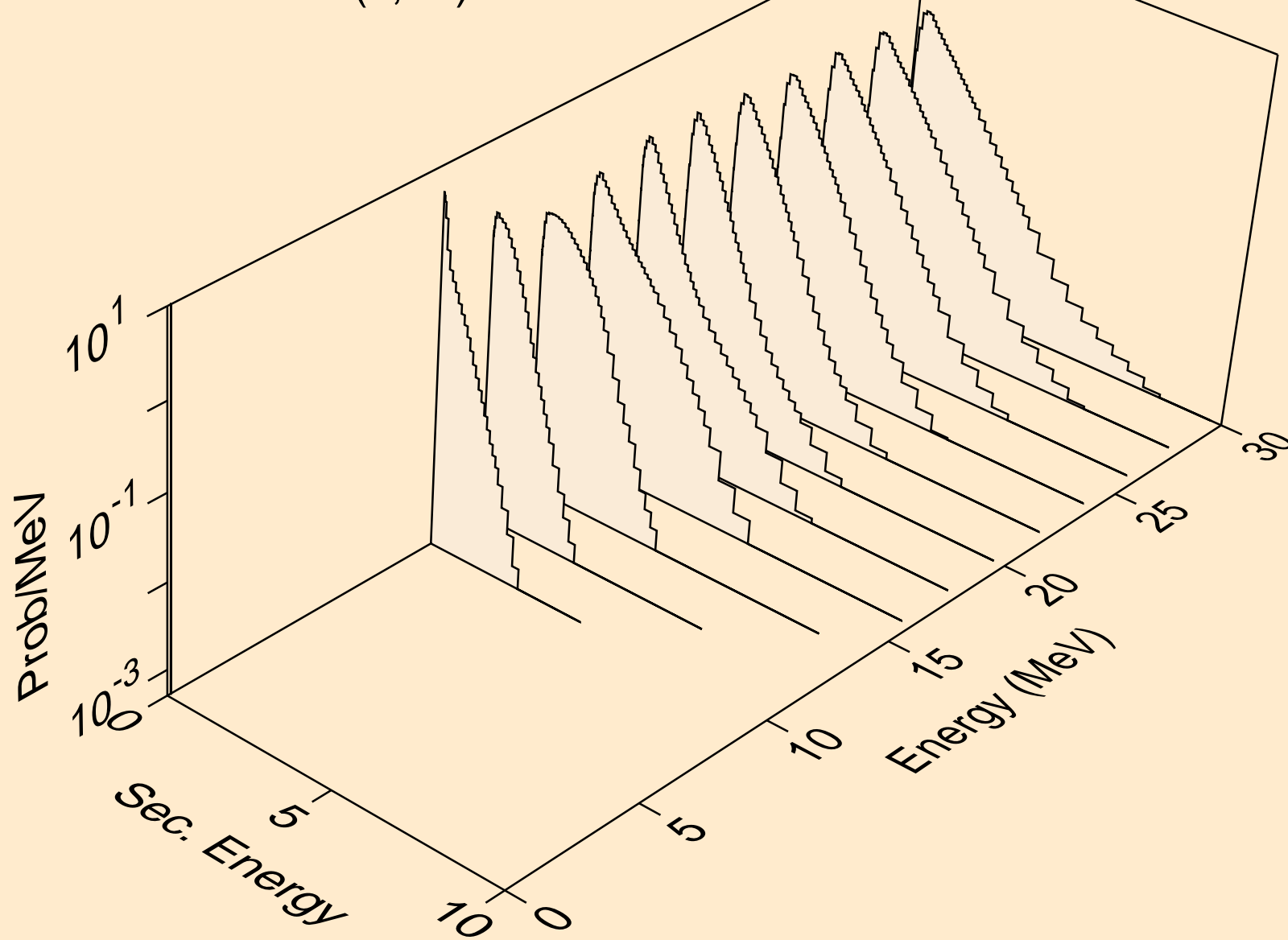
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,3n)



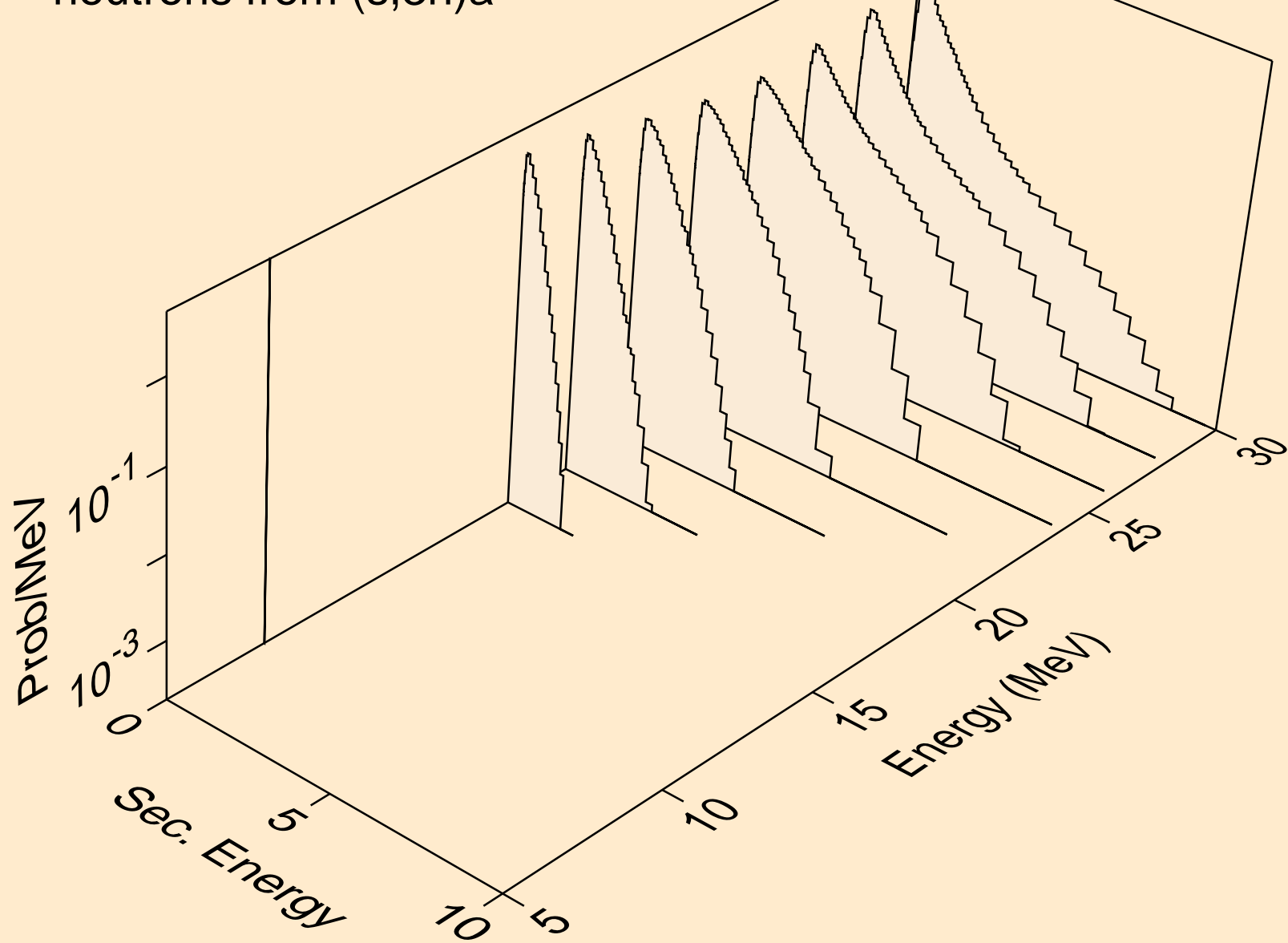
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)a



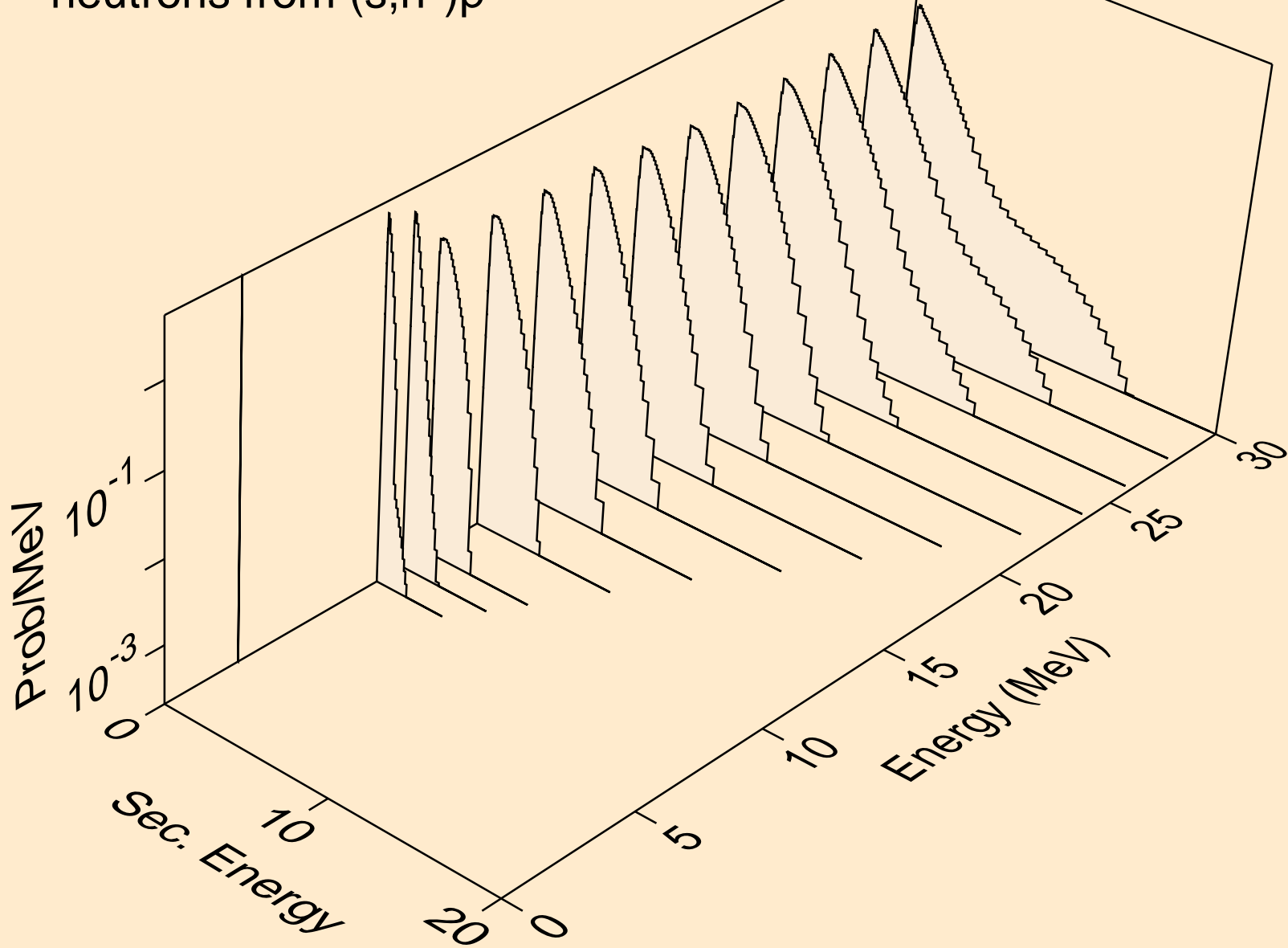
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,2n)a



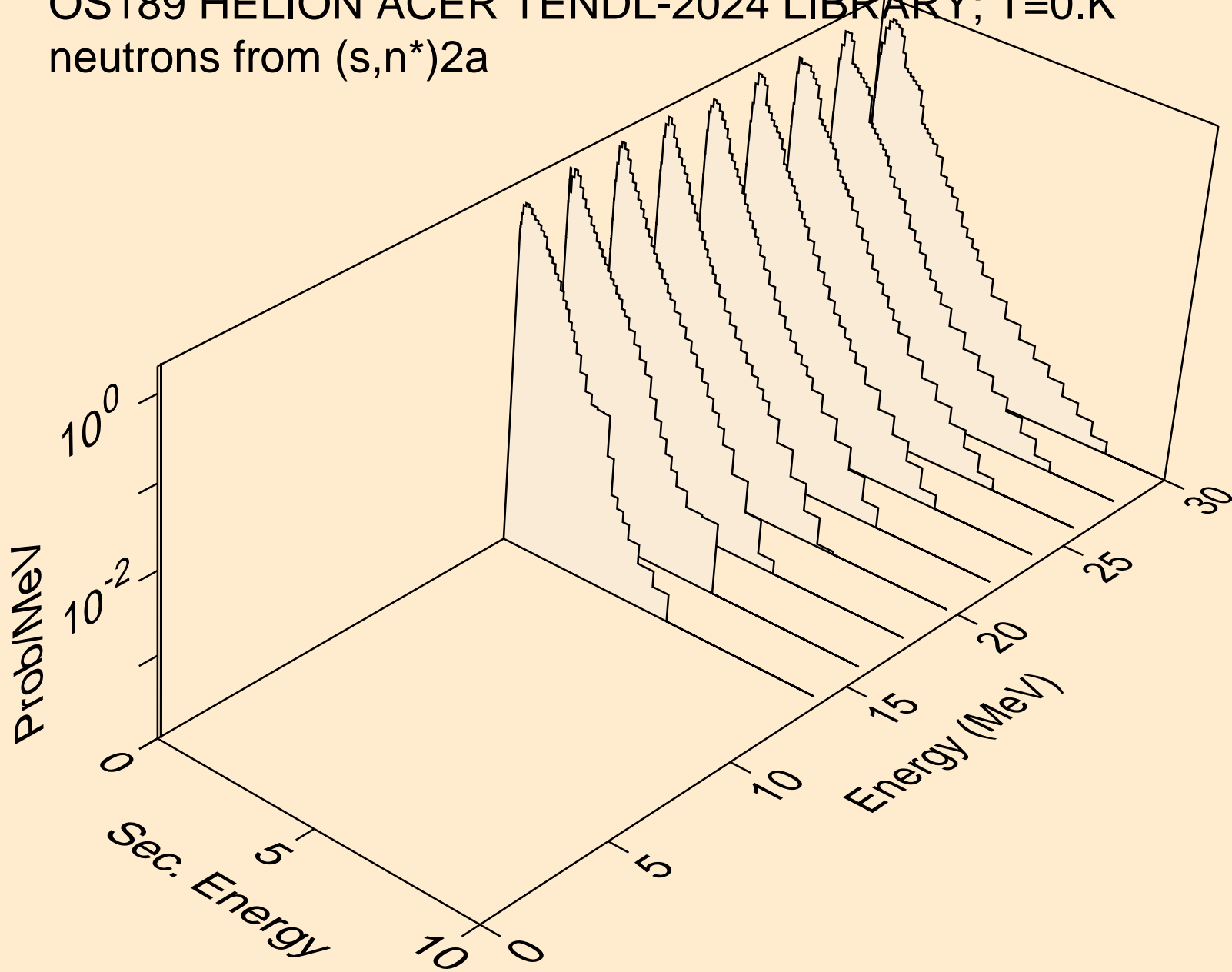
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neutrons from (s,3n)a



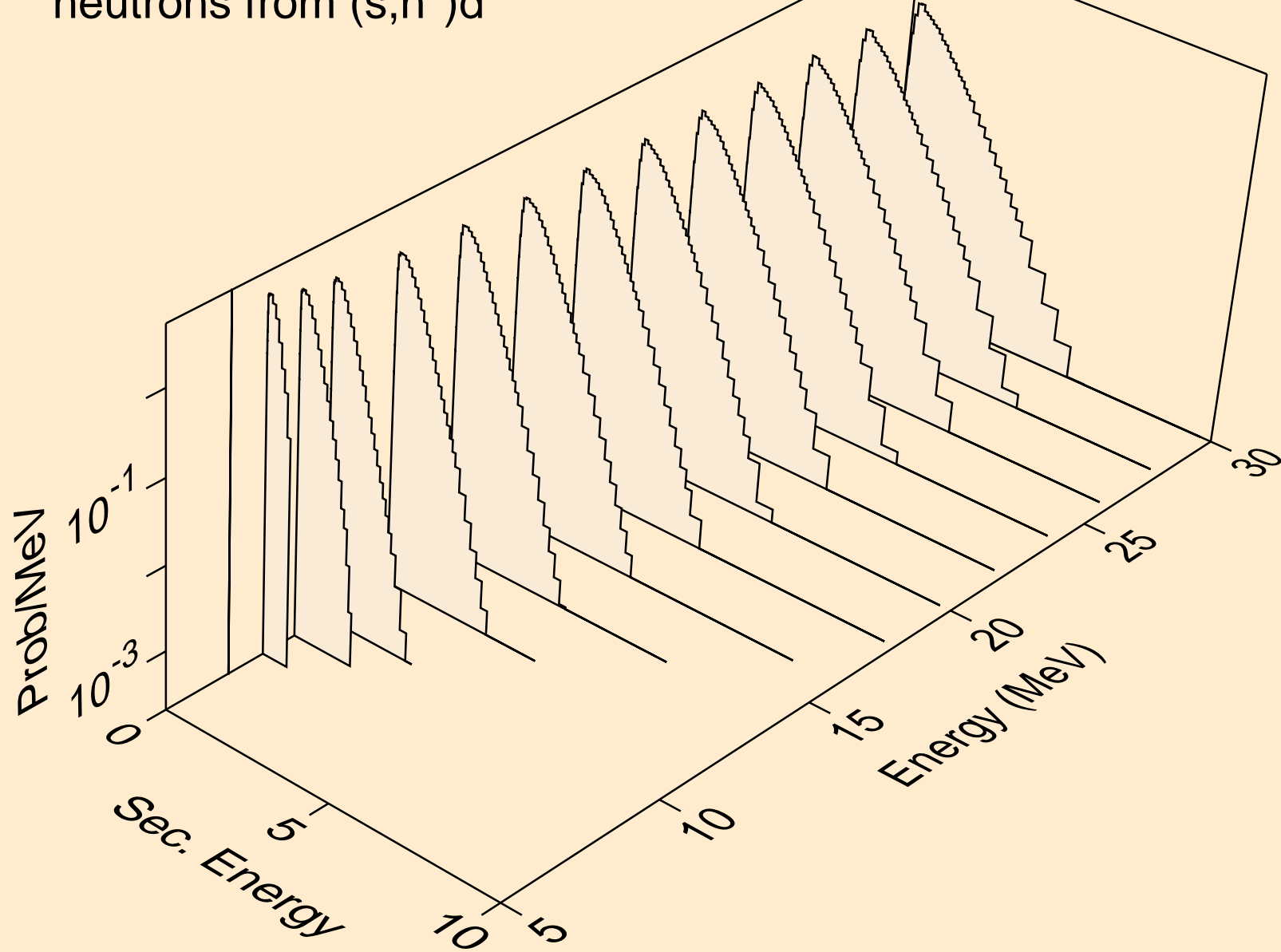
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)p



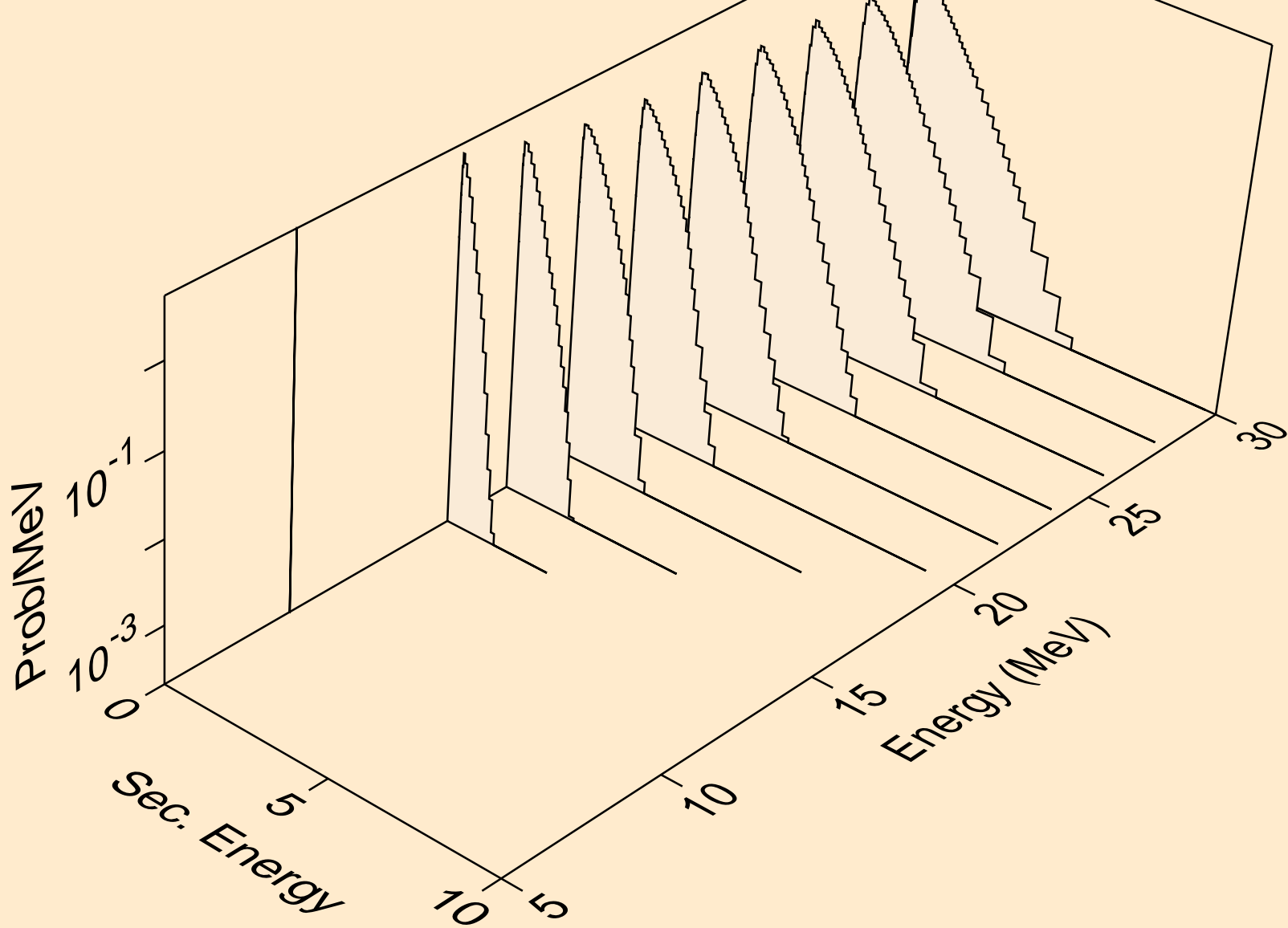
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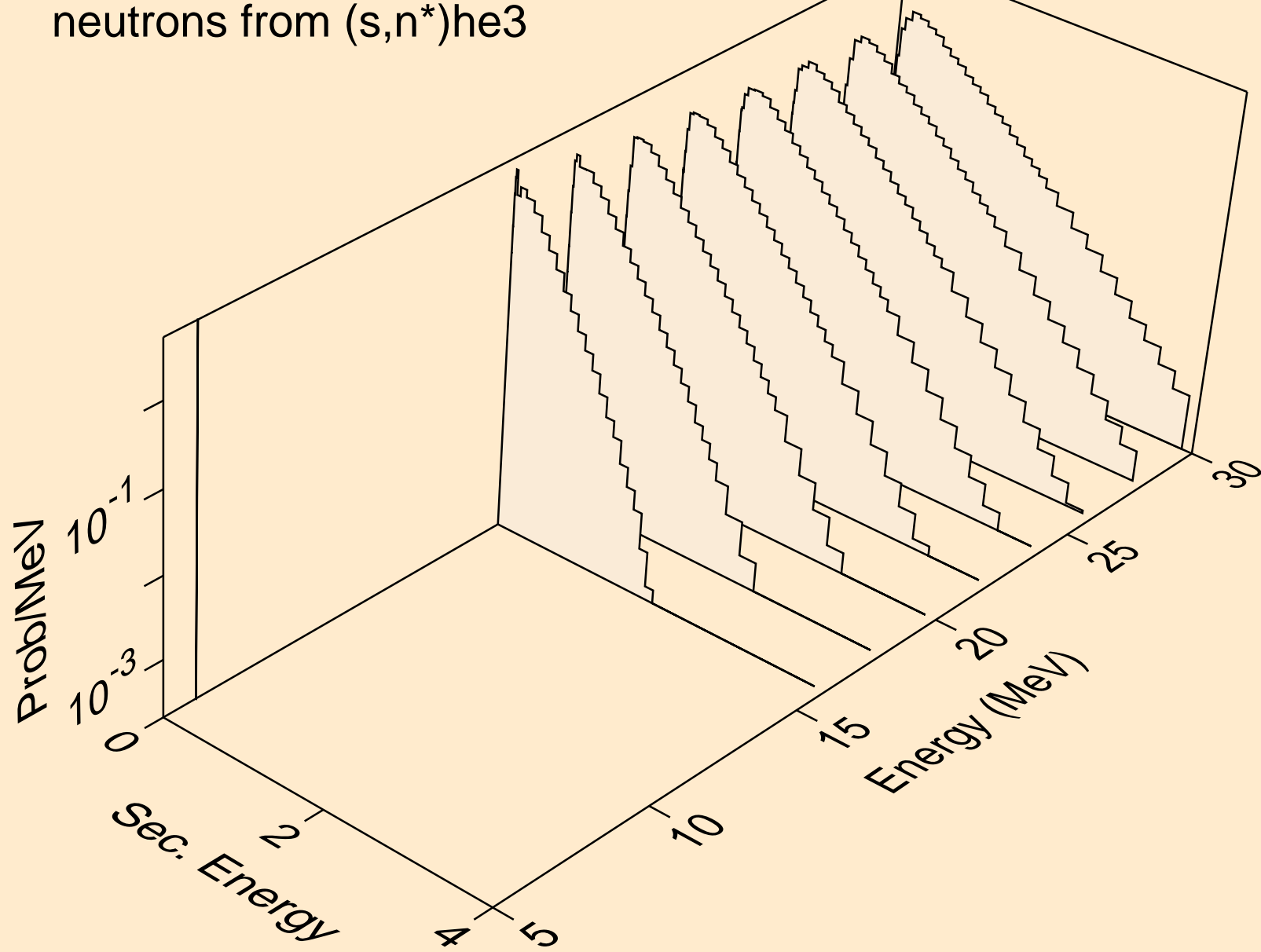
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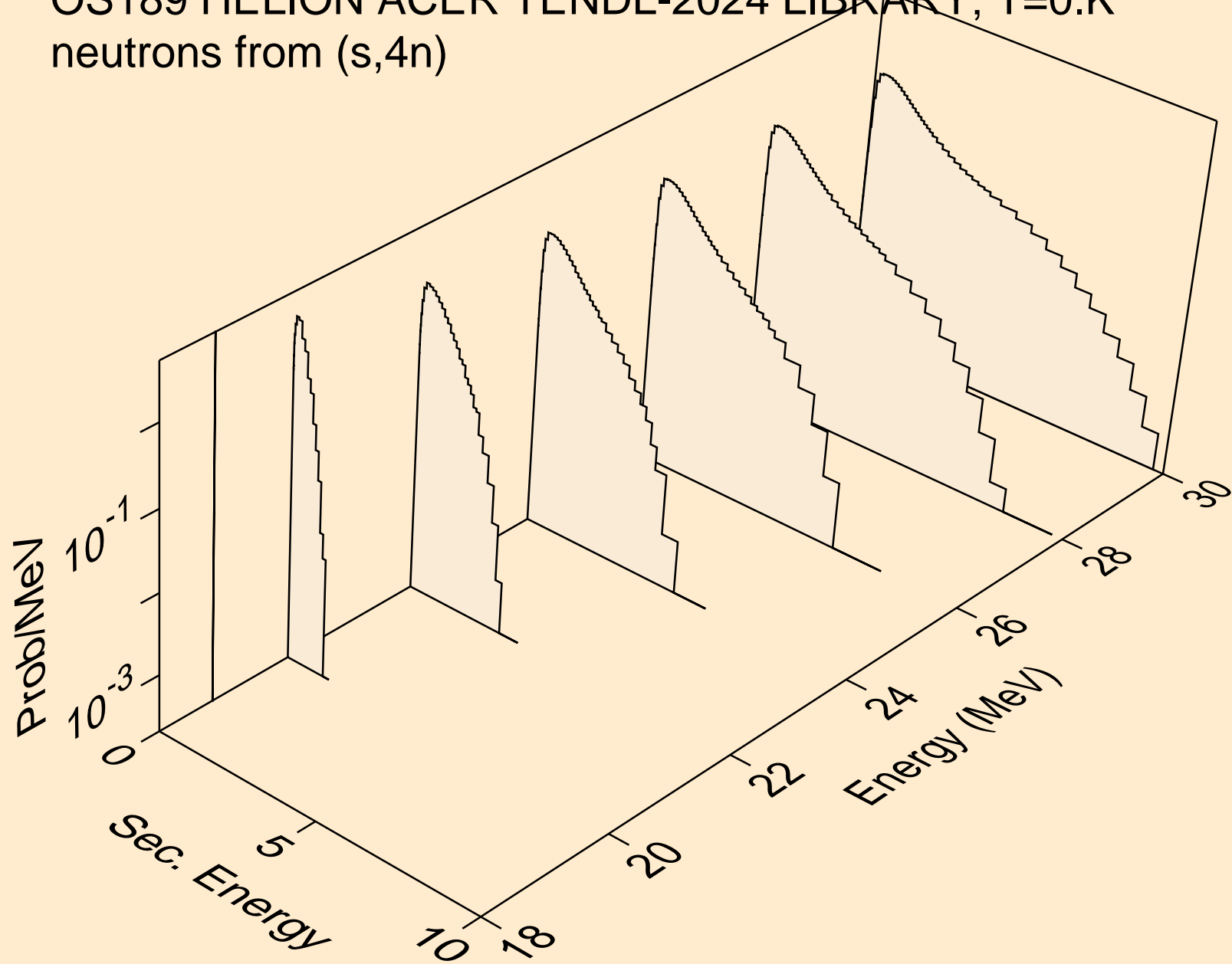
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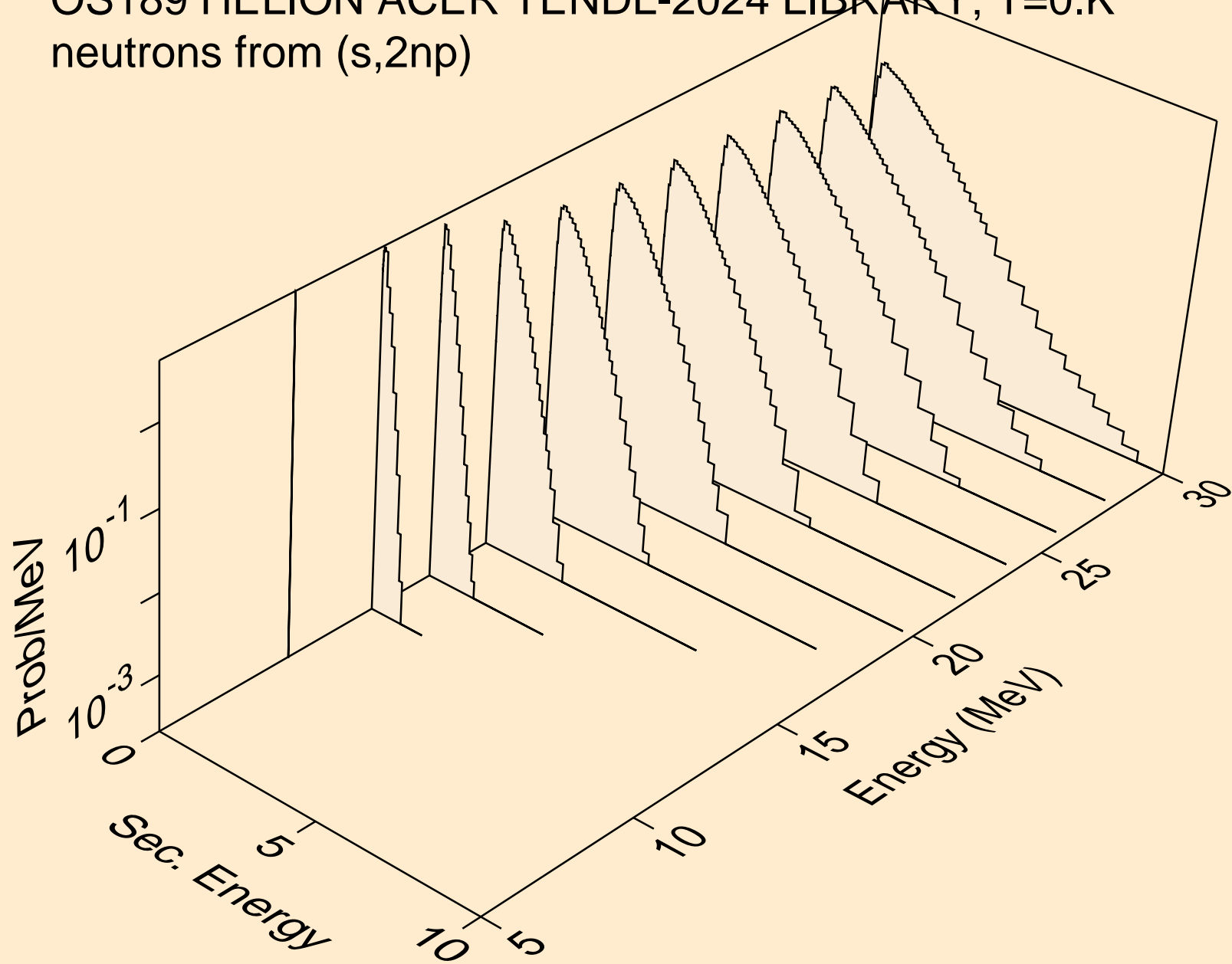
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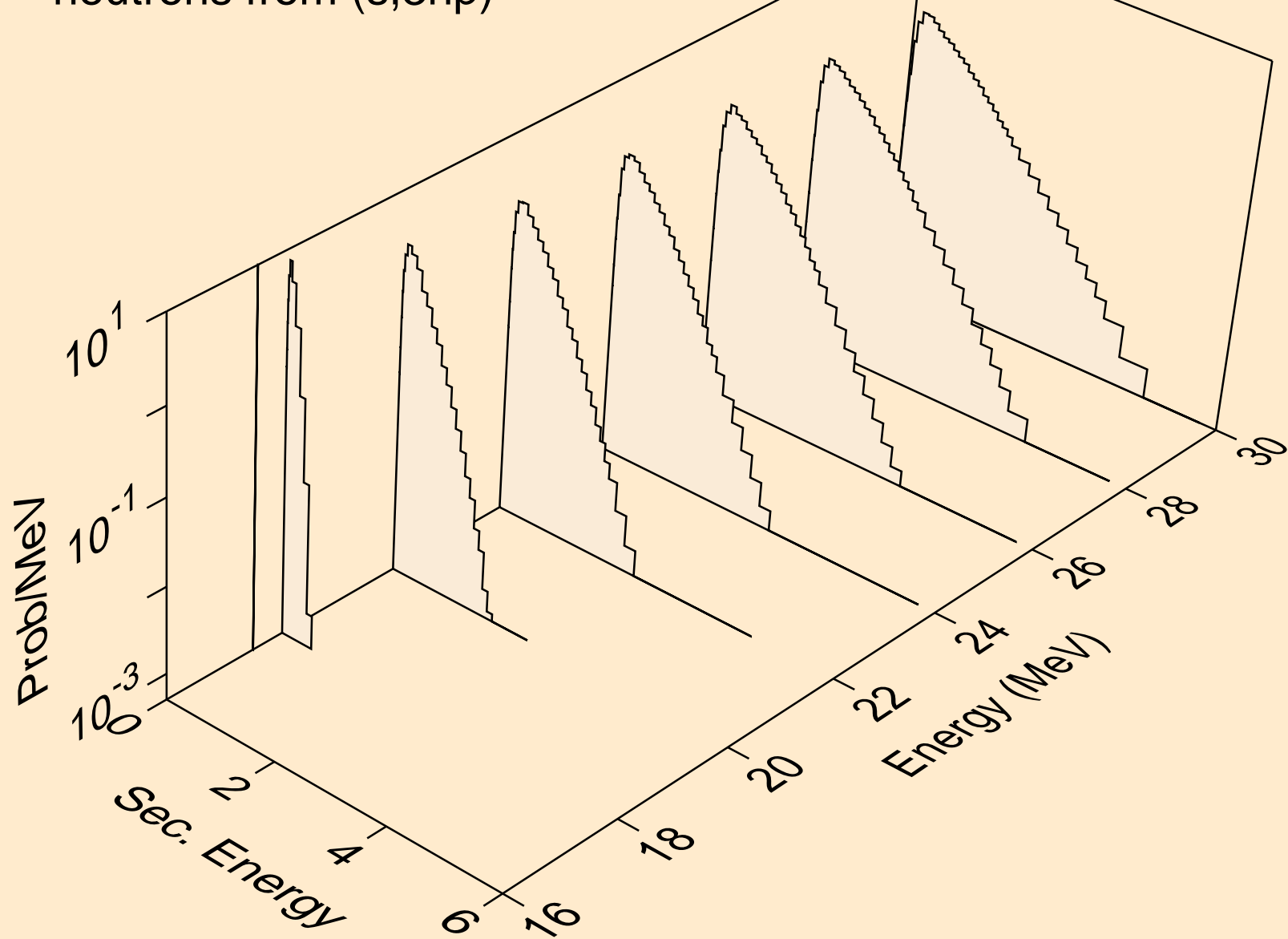
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,4n)



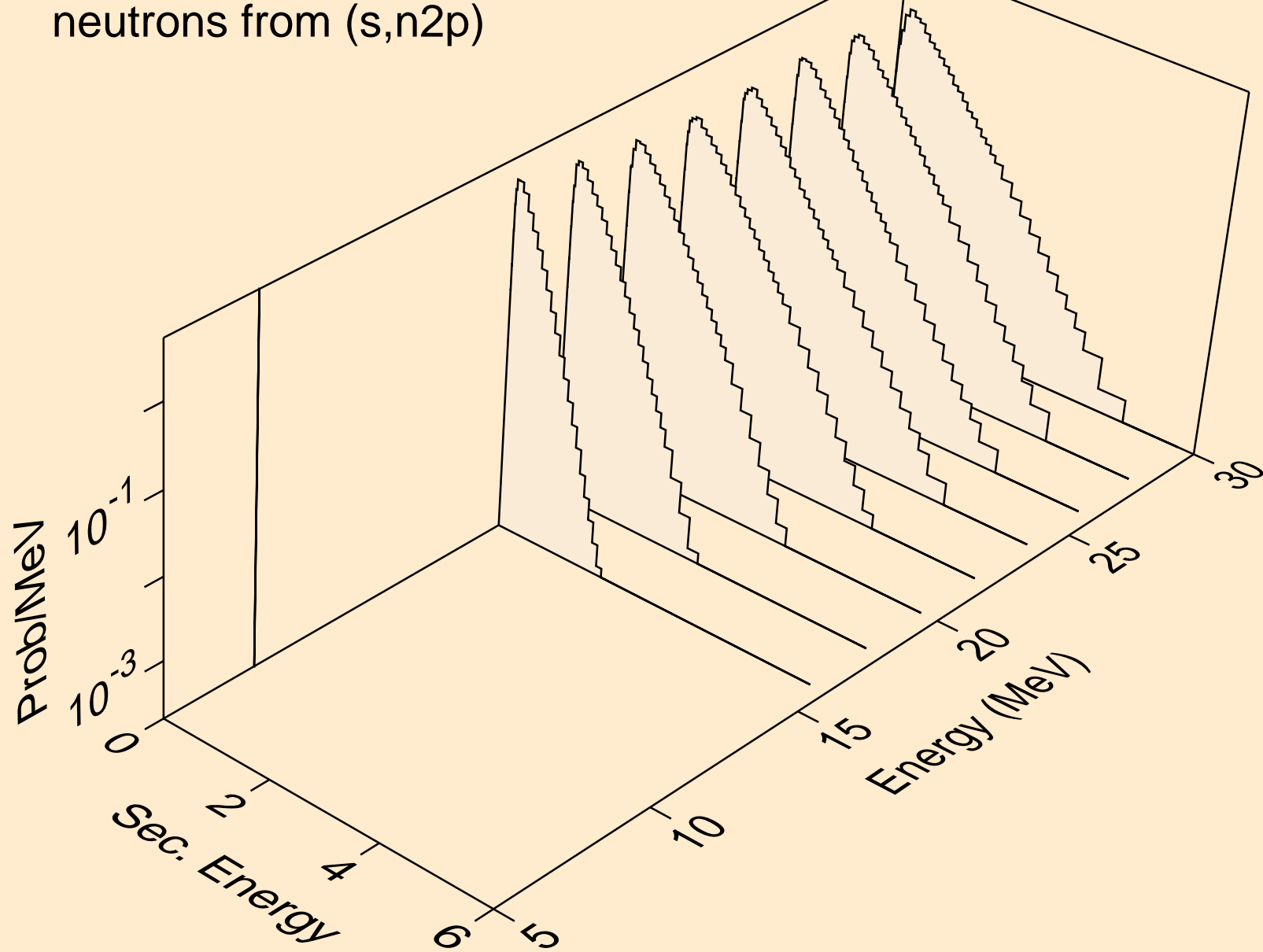
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neutrons from (s,2np)



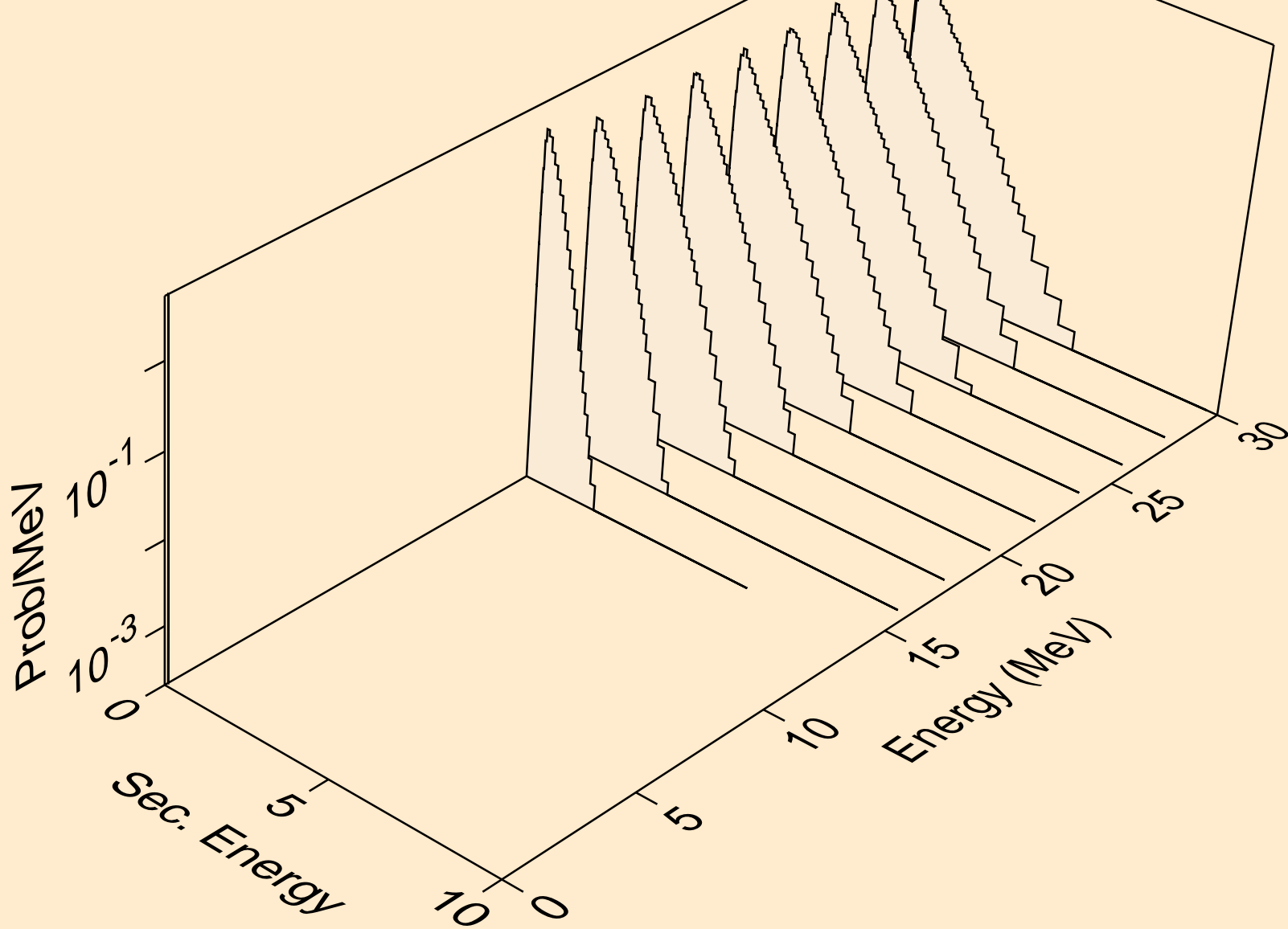
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,3np)



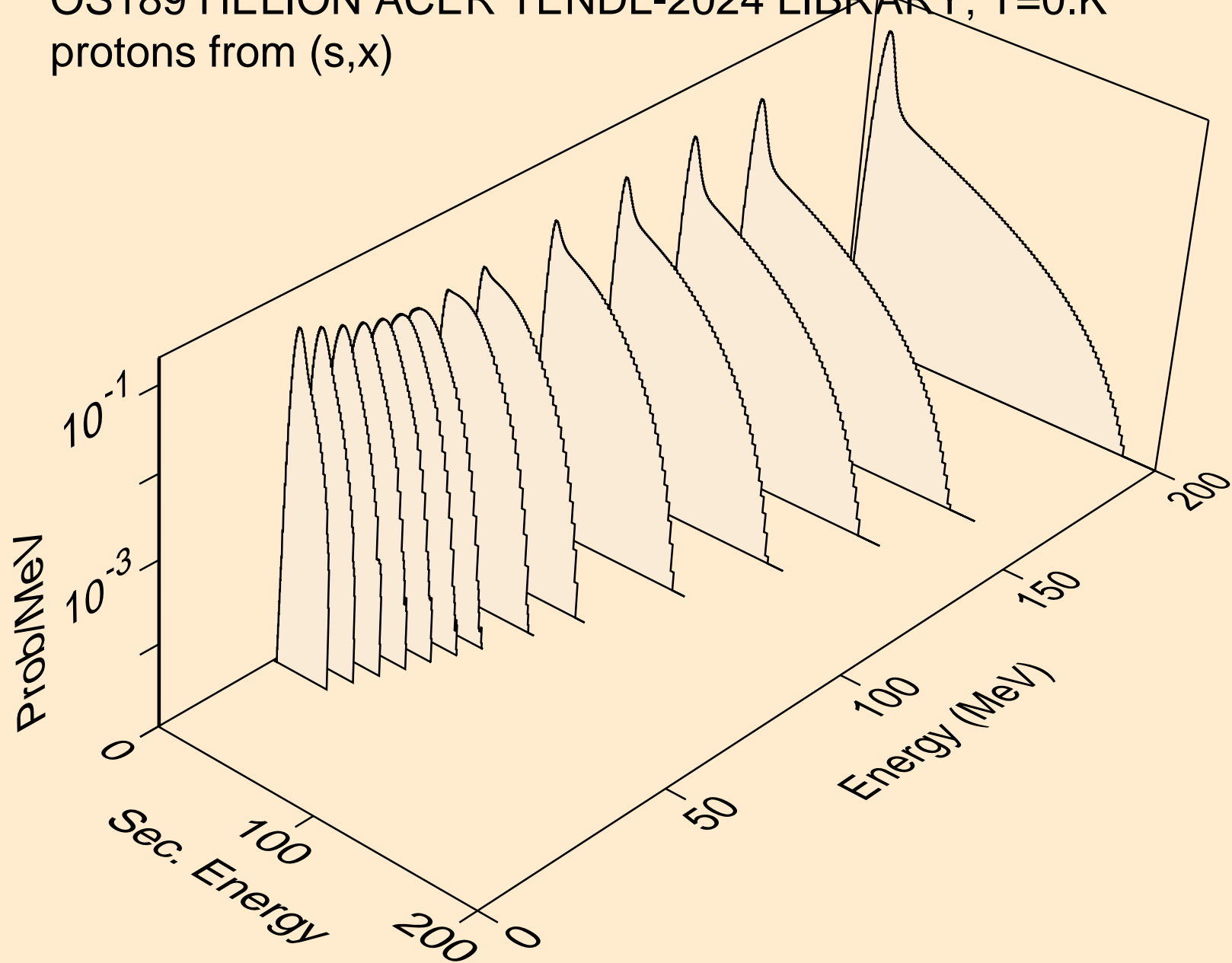
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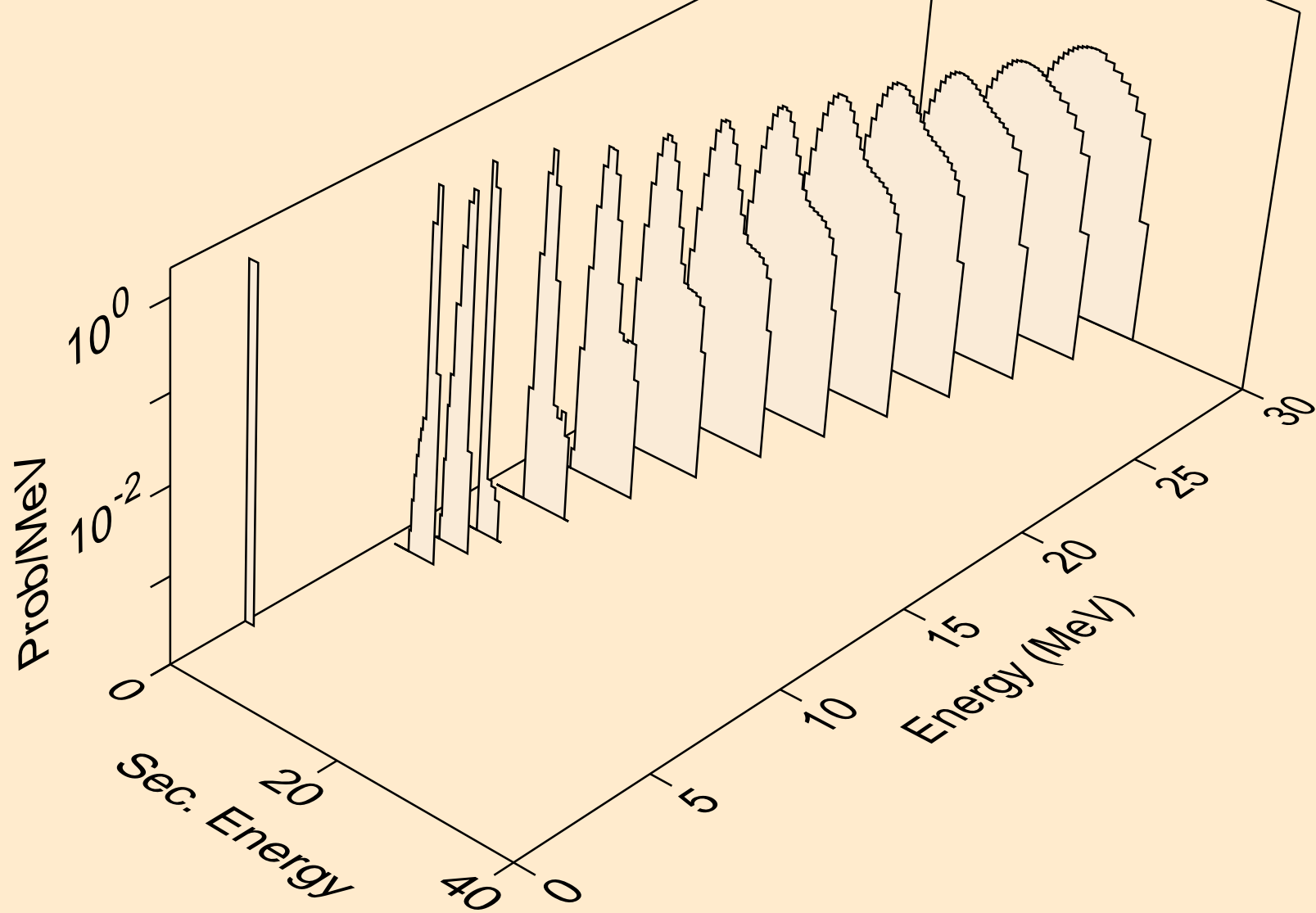
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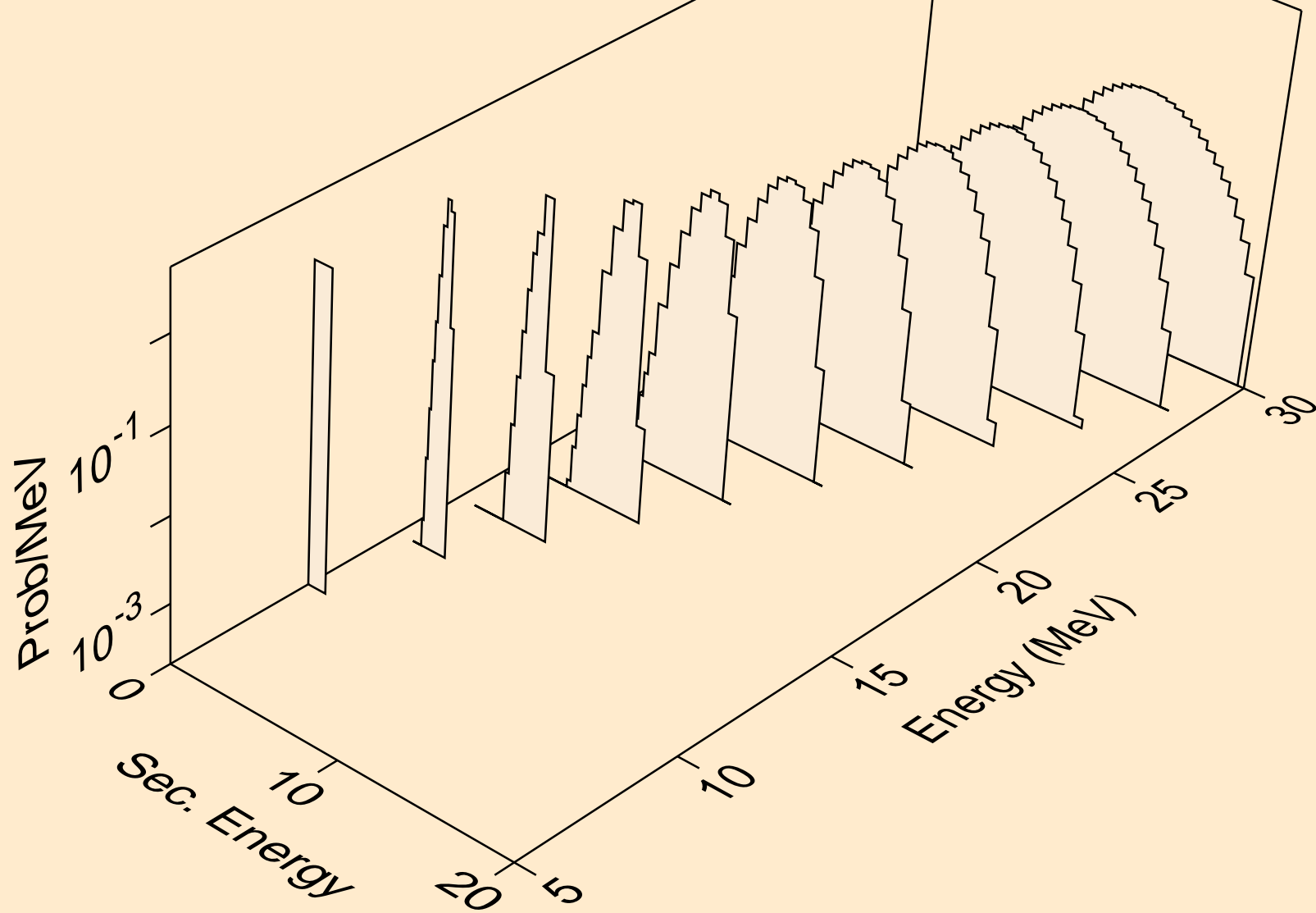
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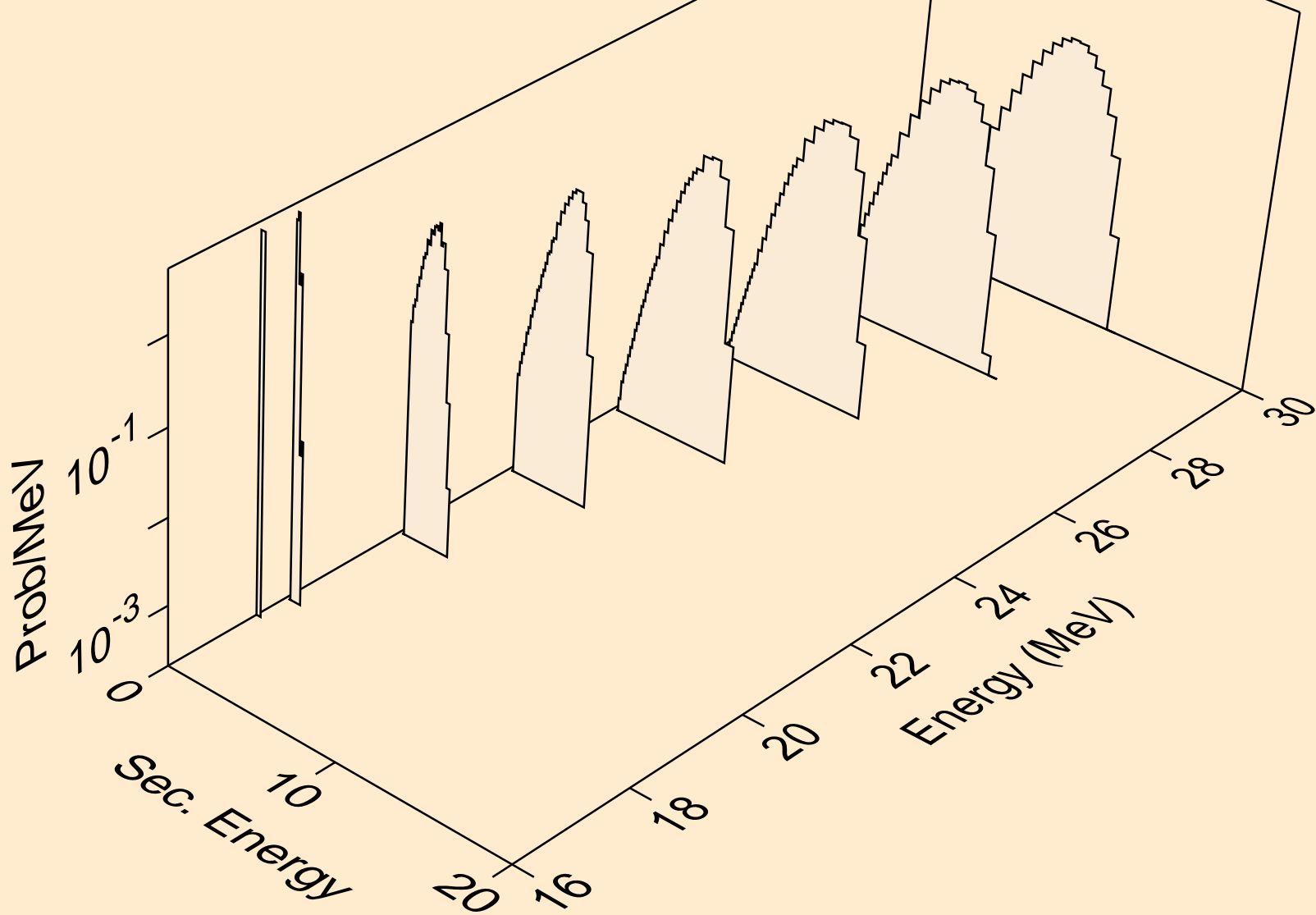
OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,n\*)p



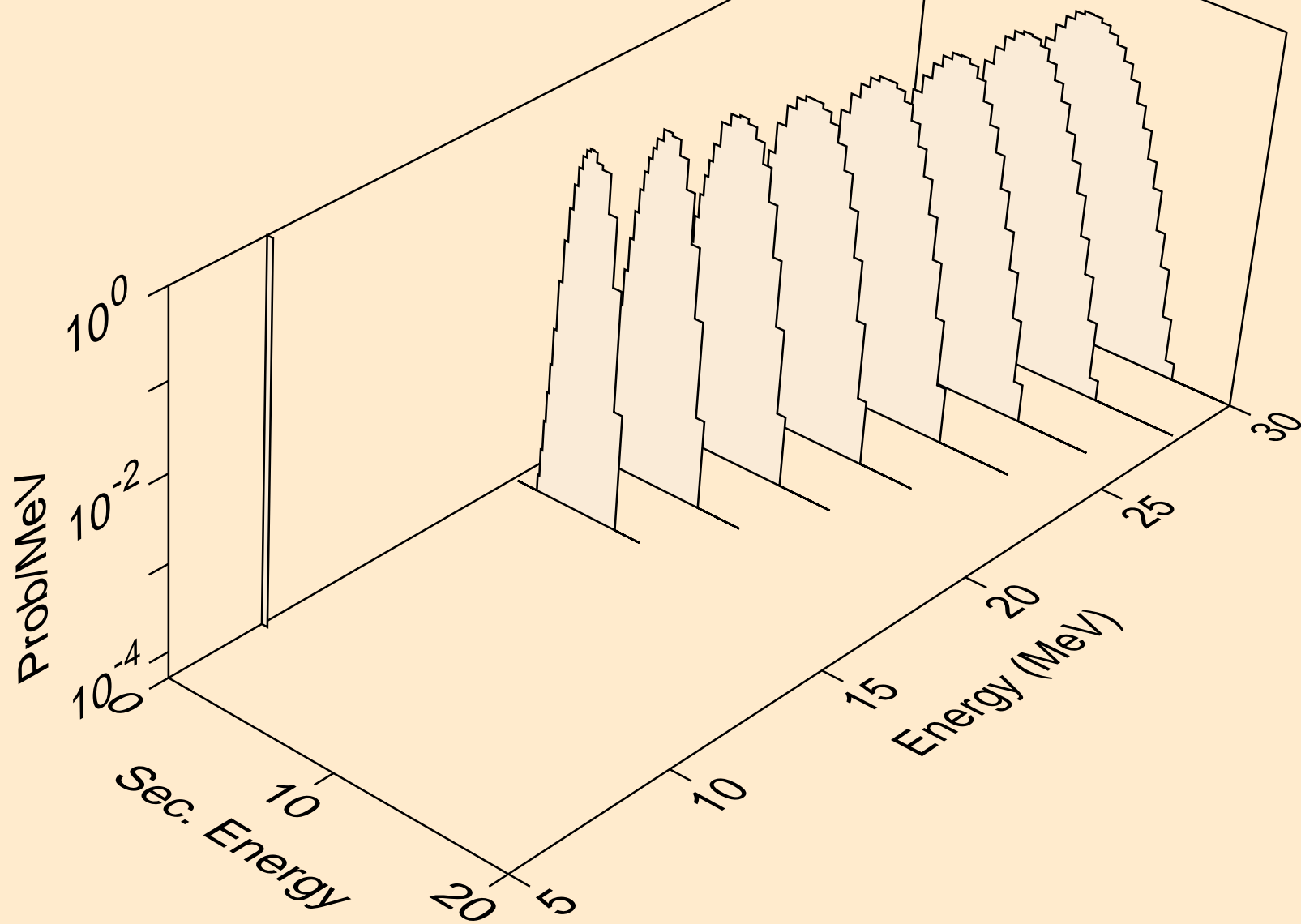
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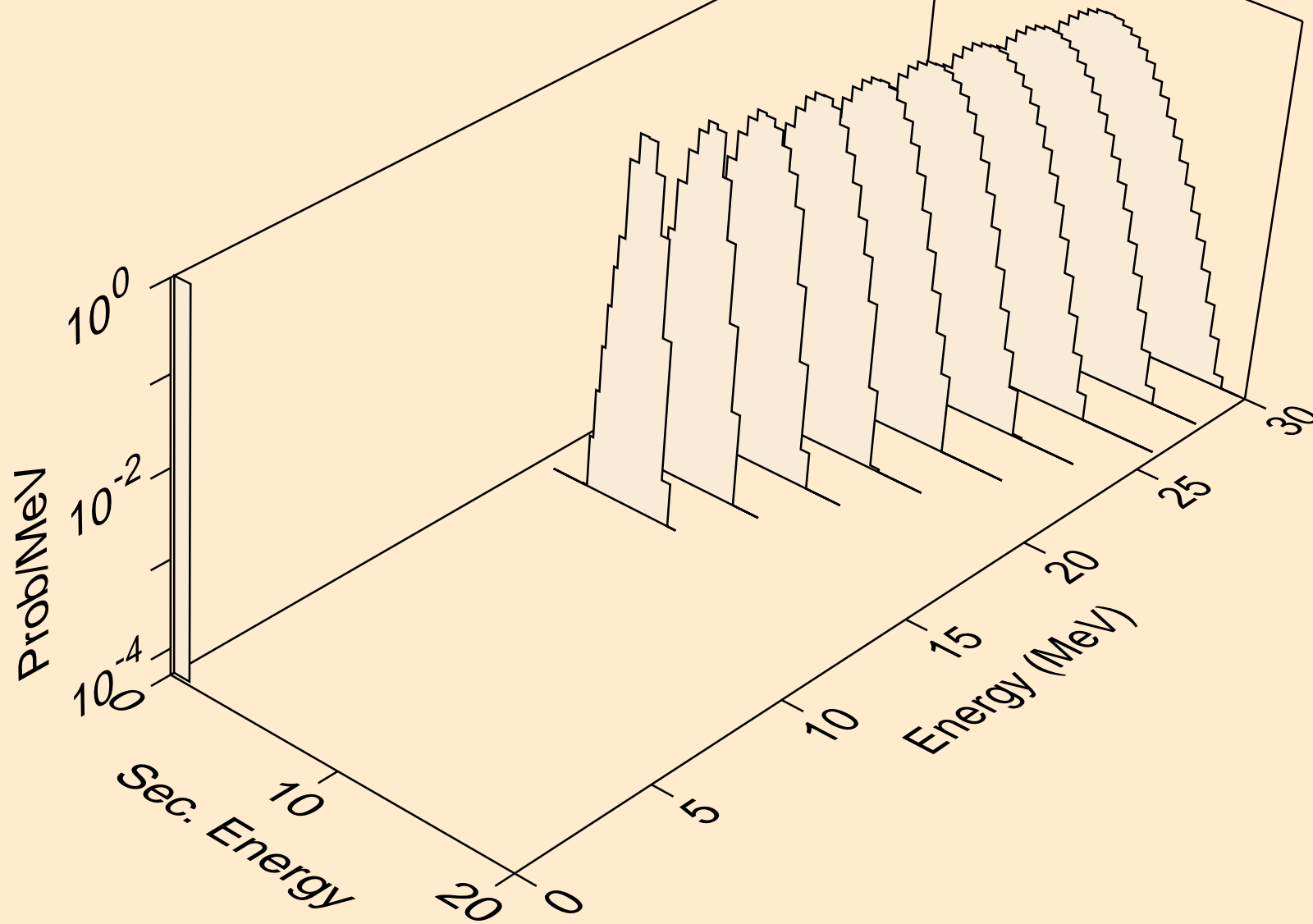
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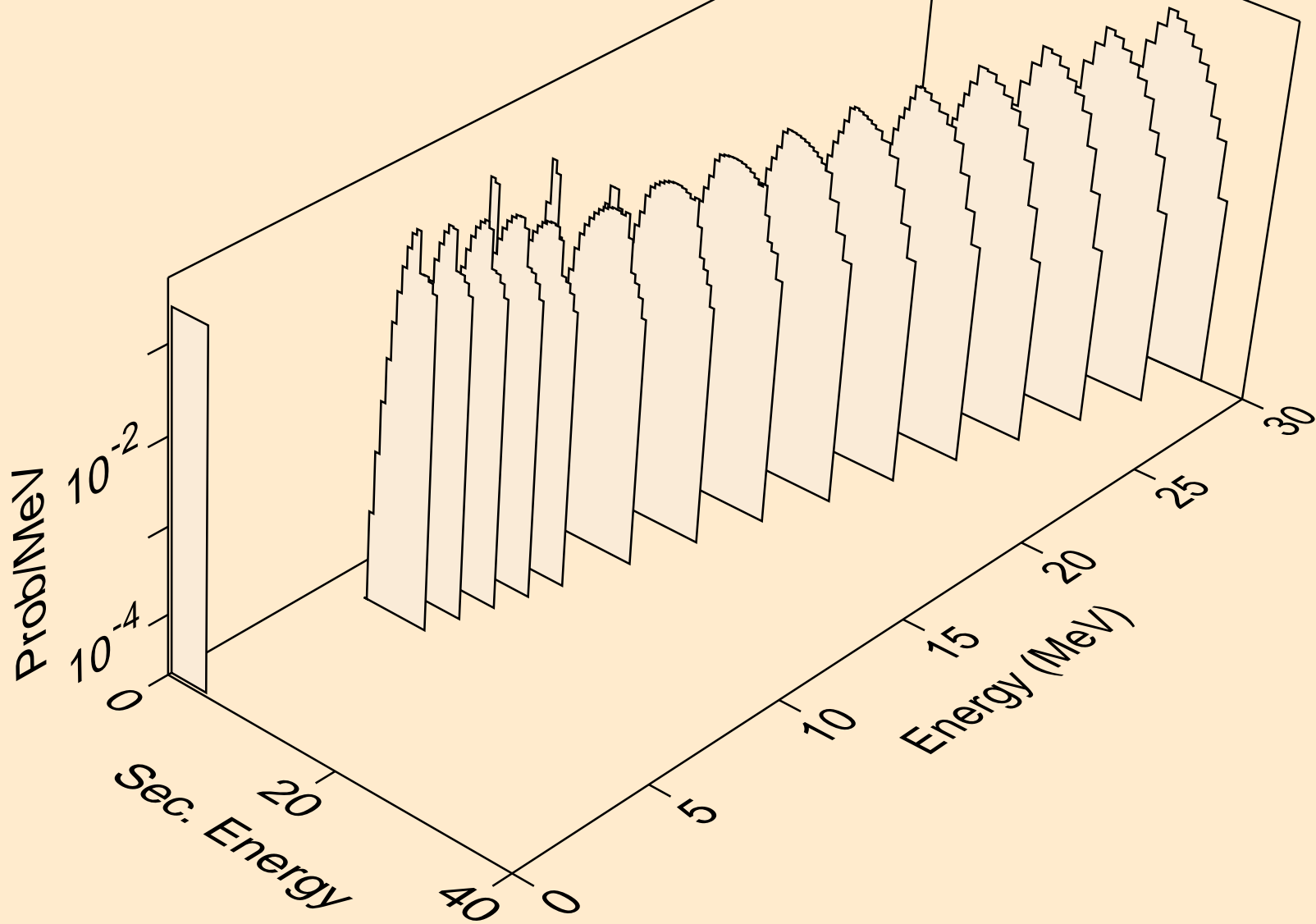
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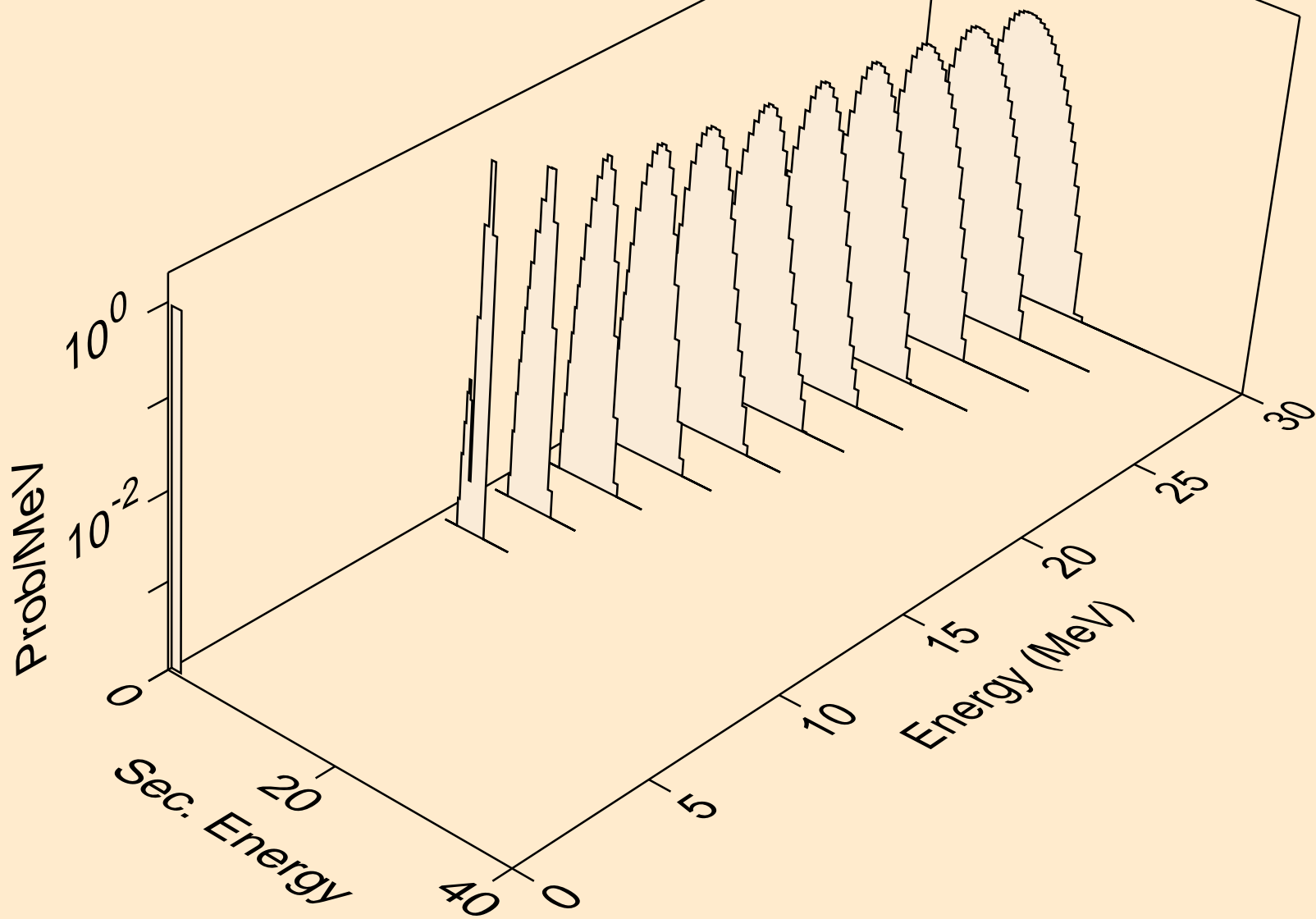
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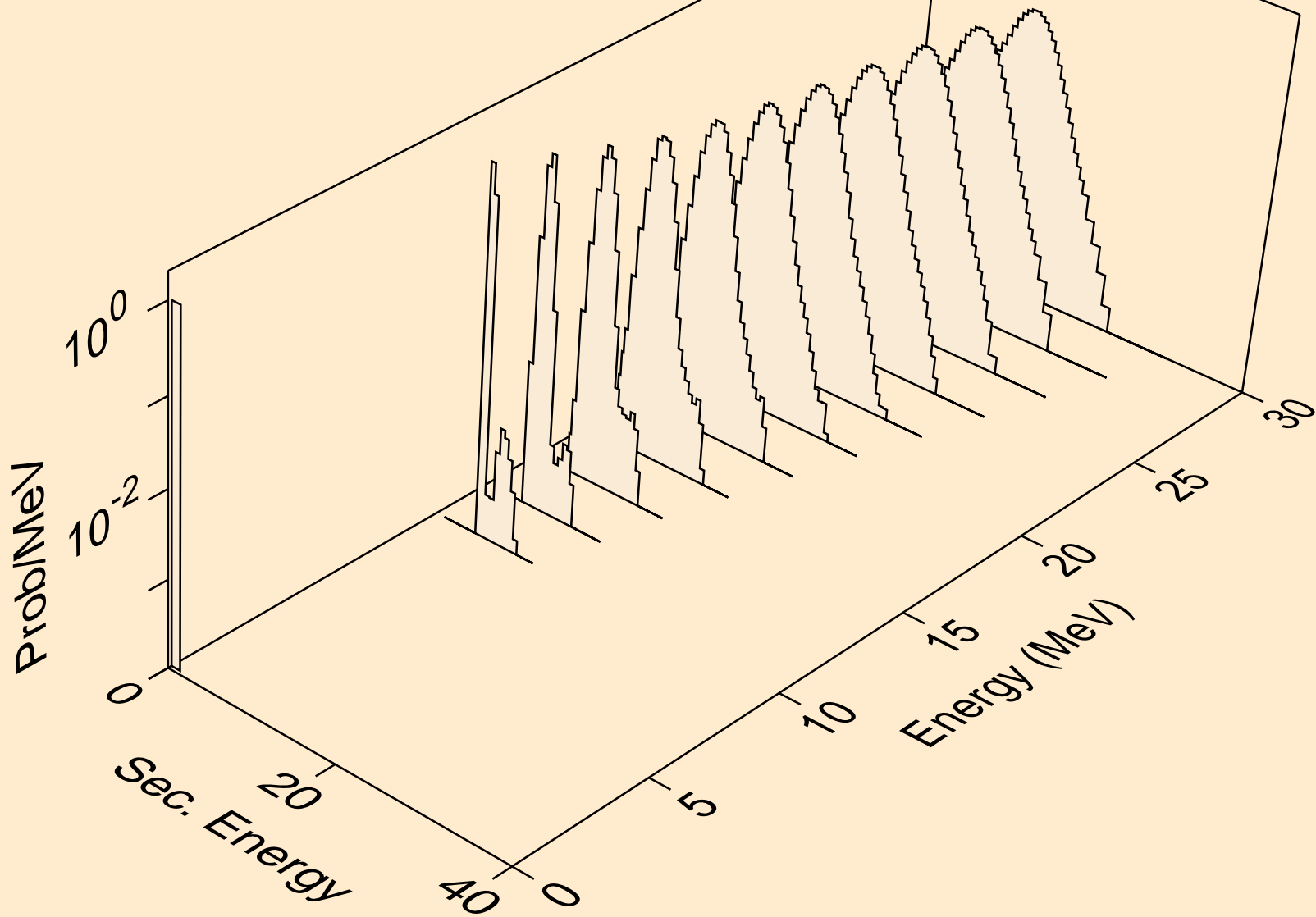
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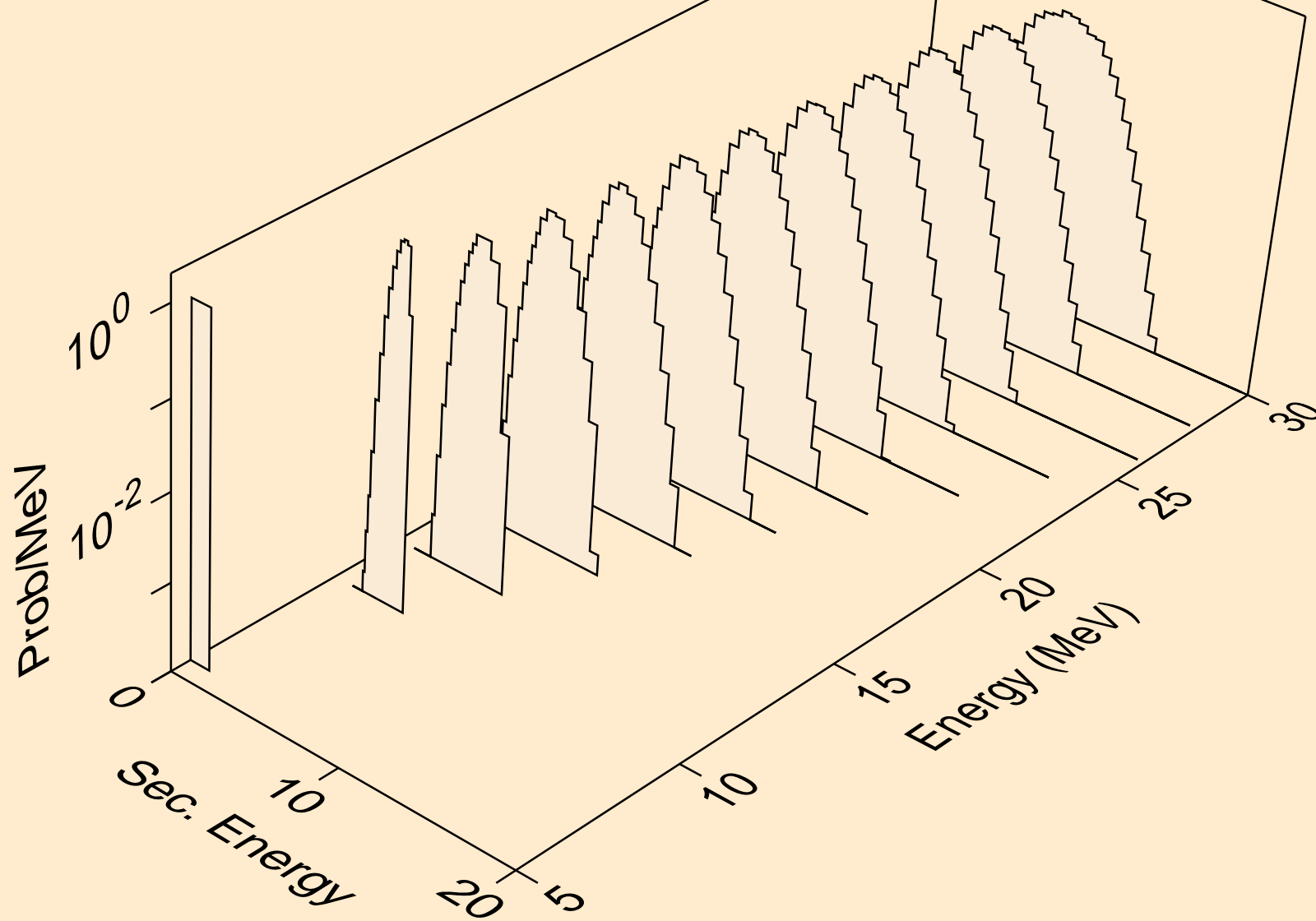
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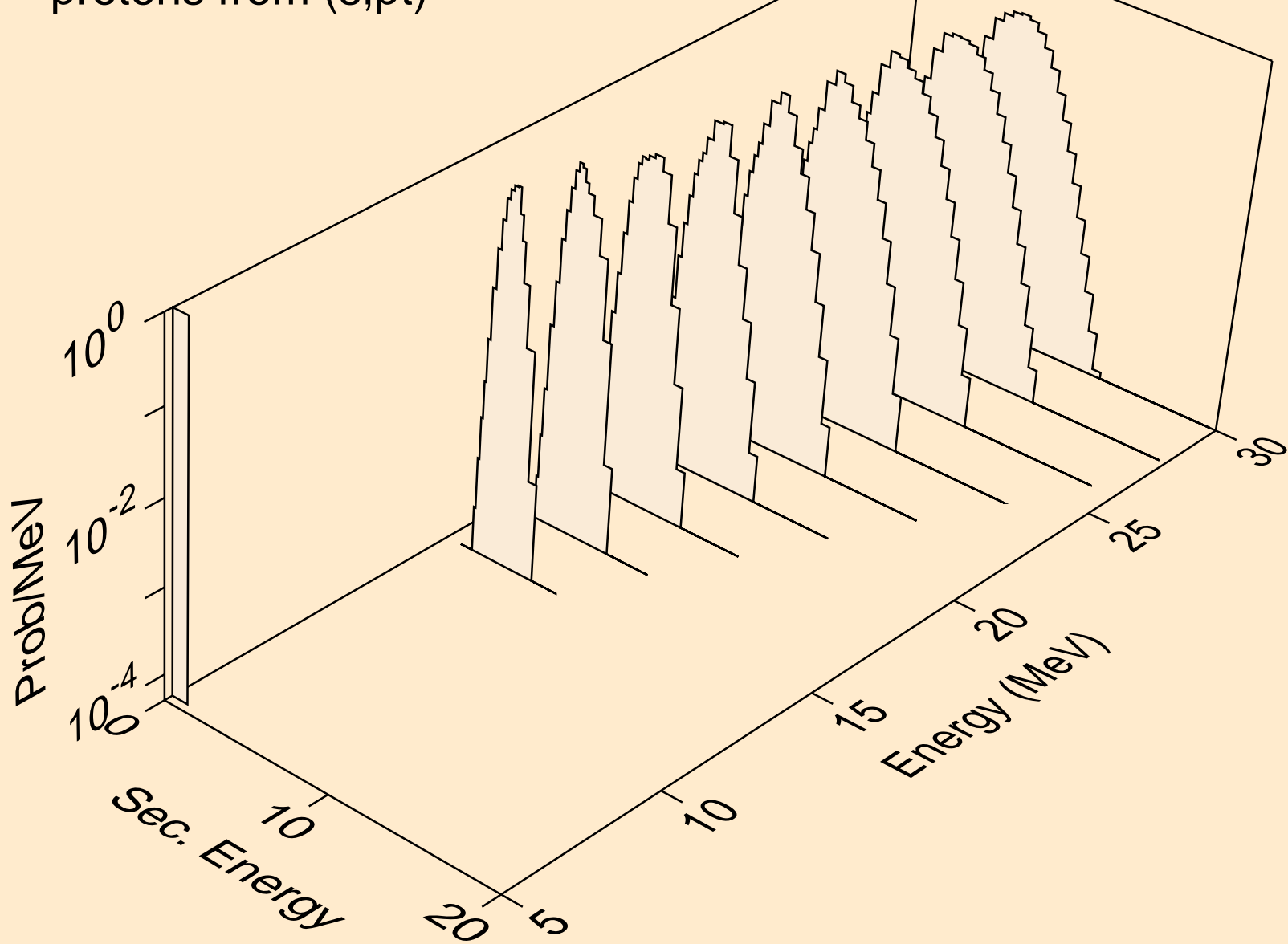
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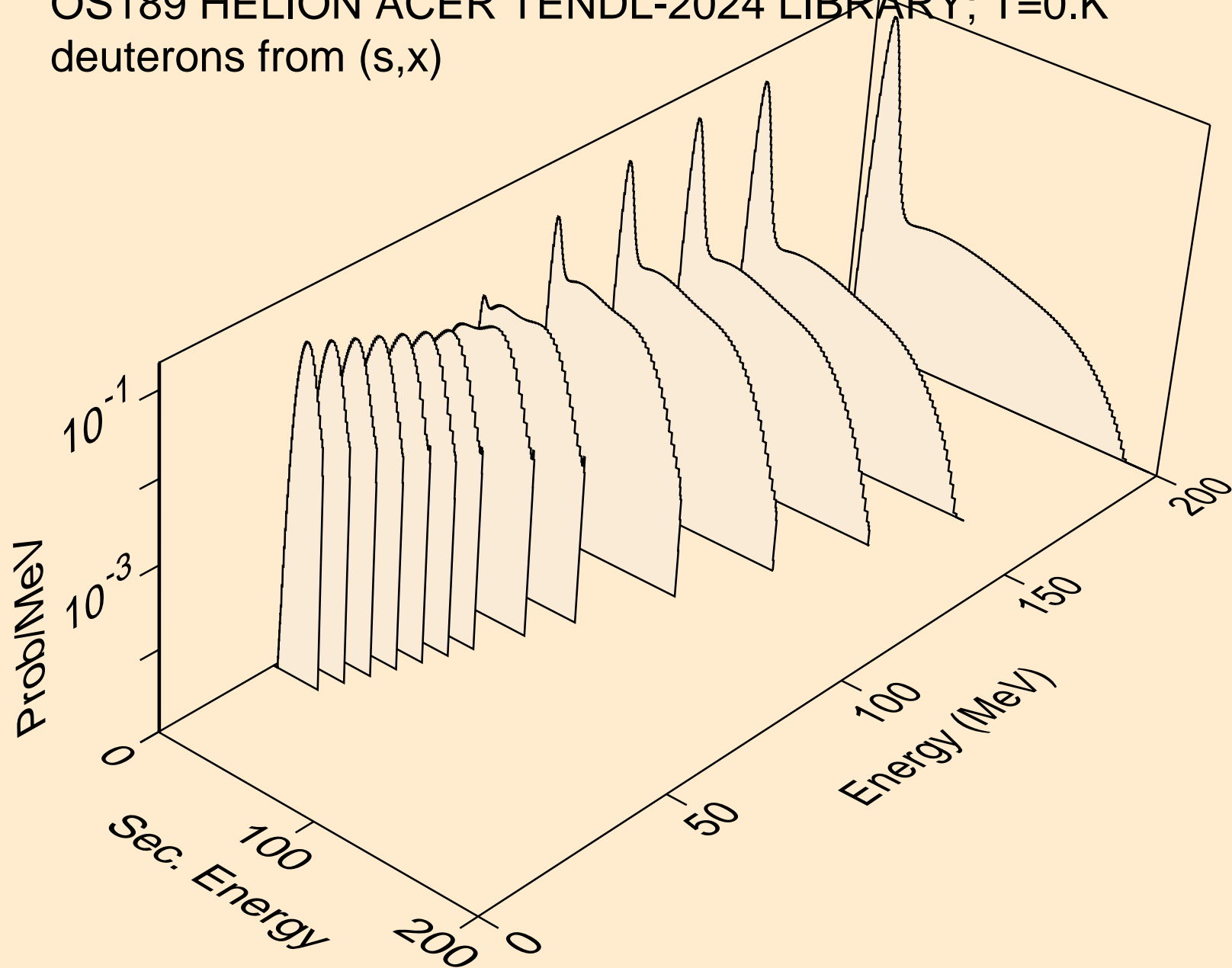
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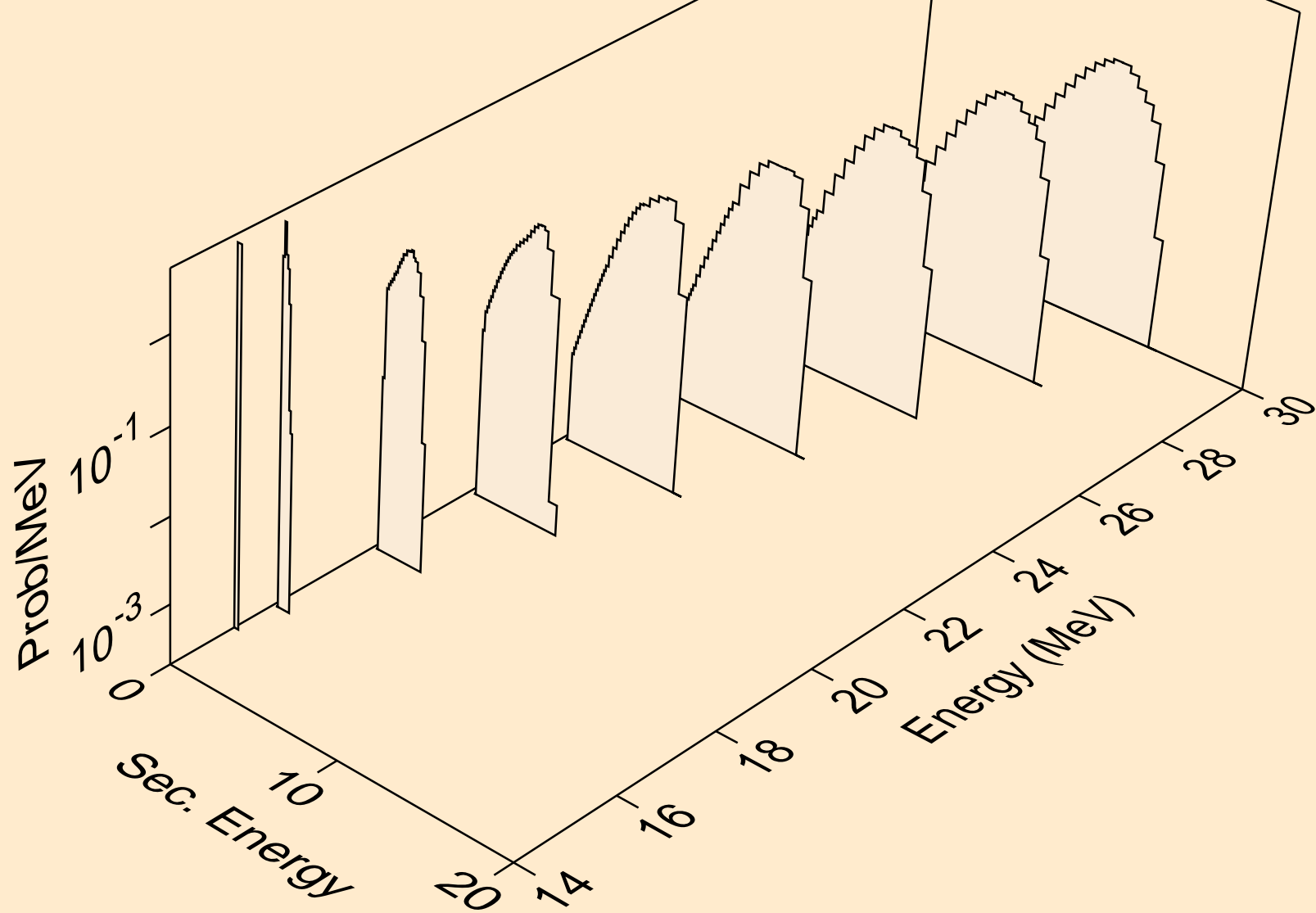
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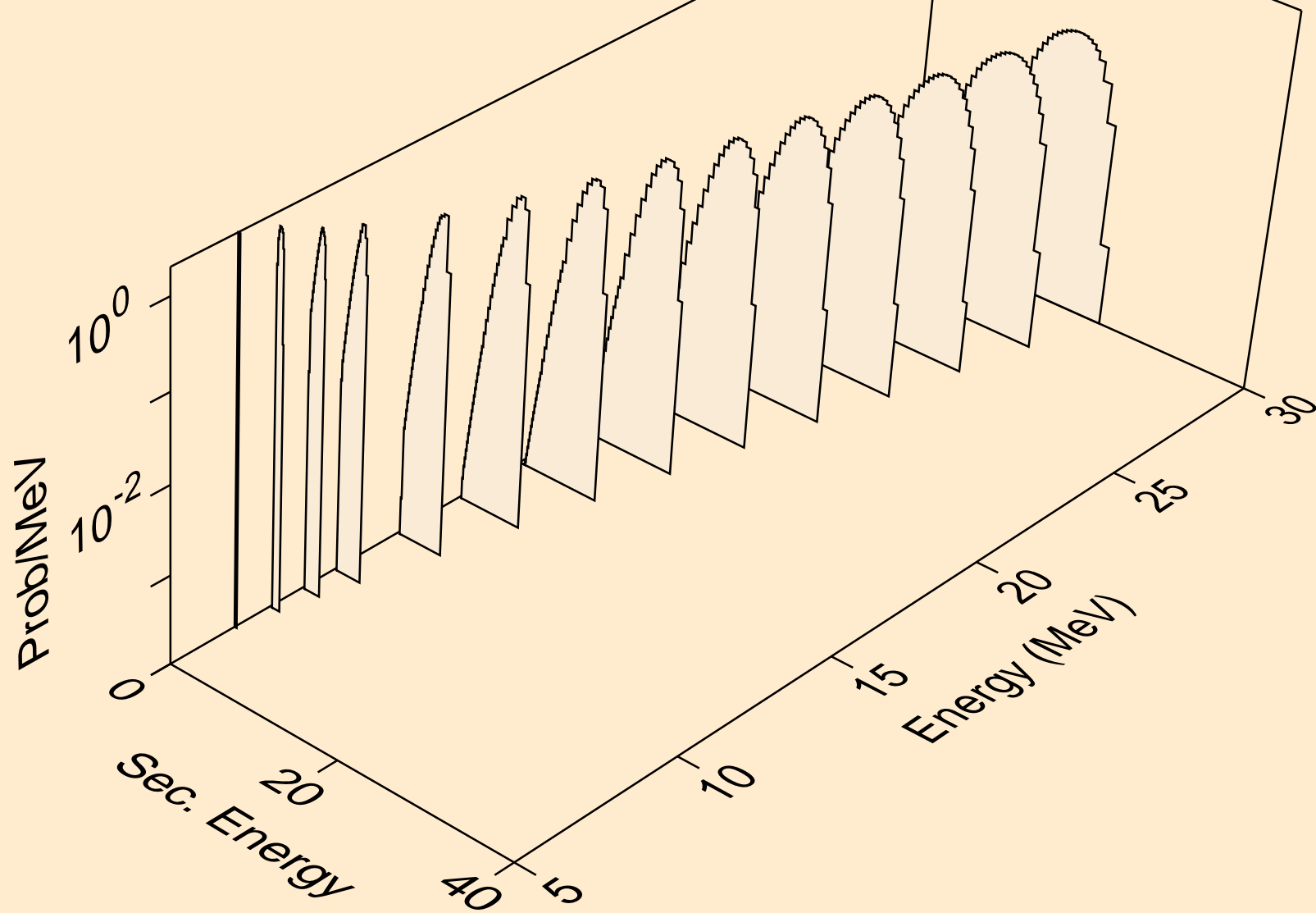
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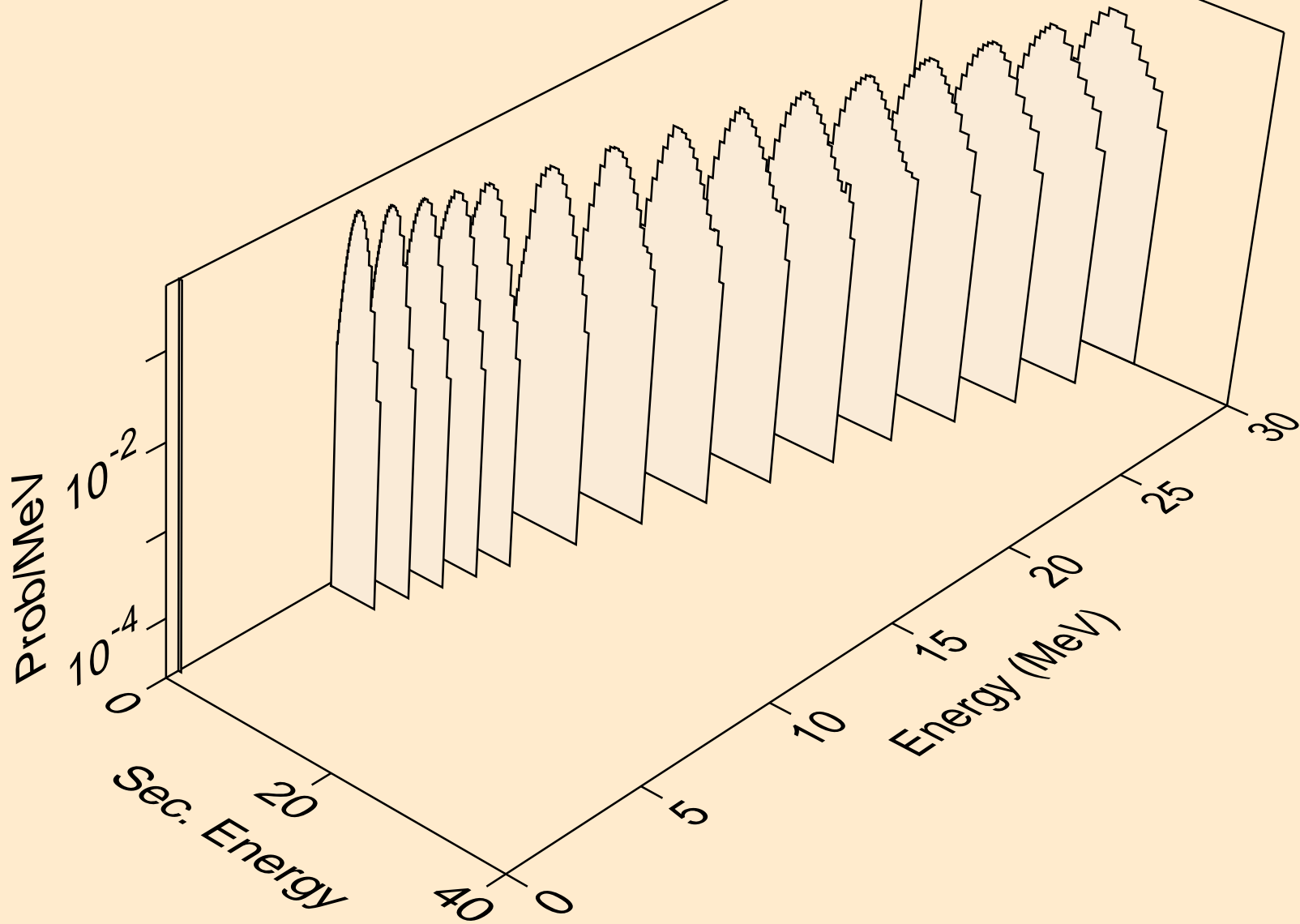
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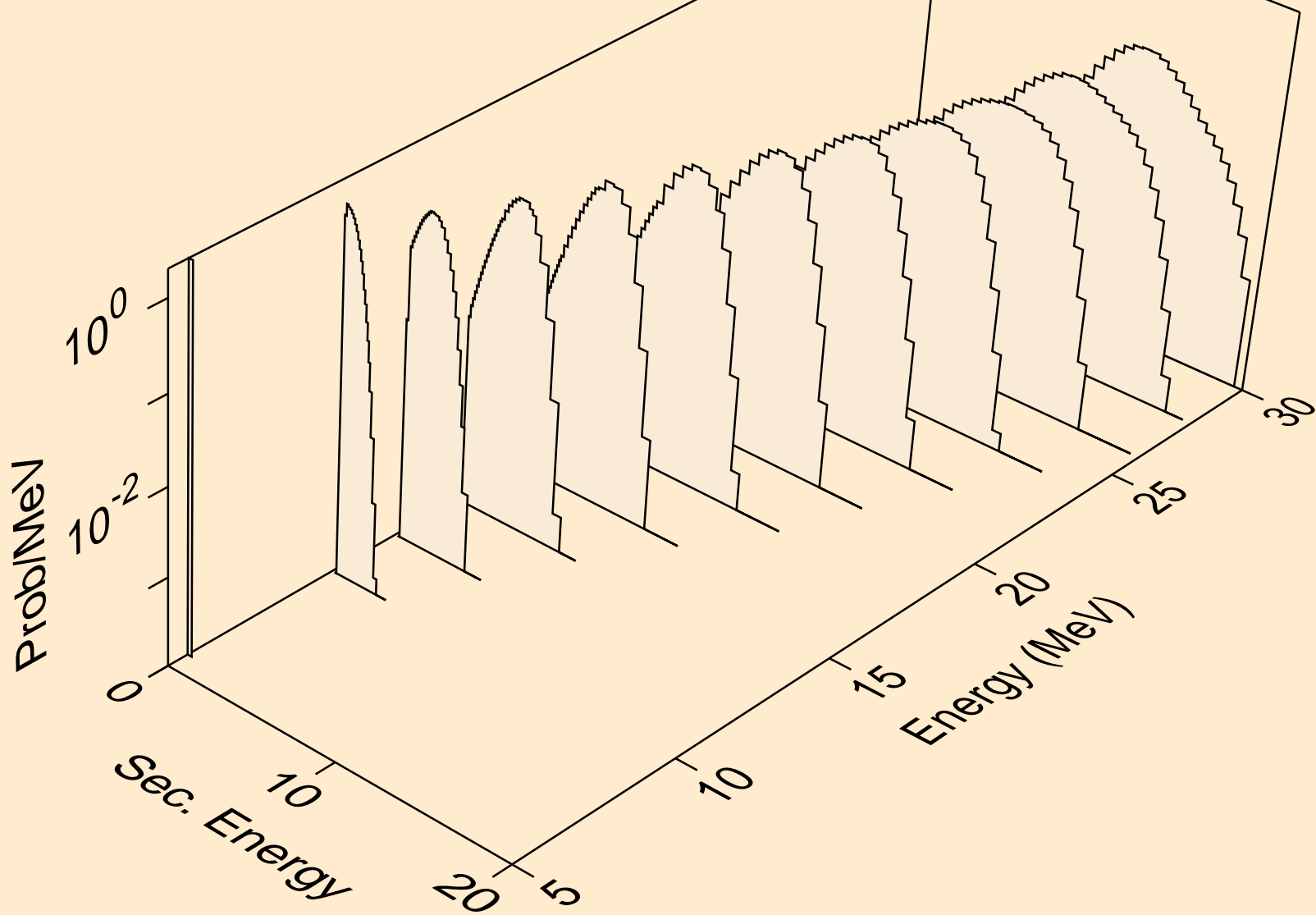
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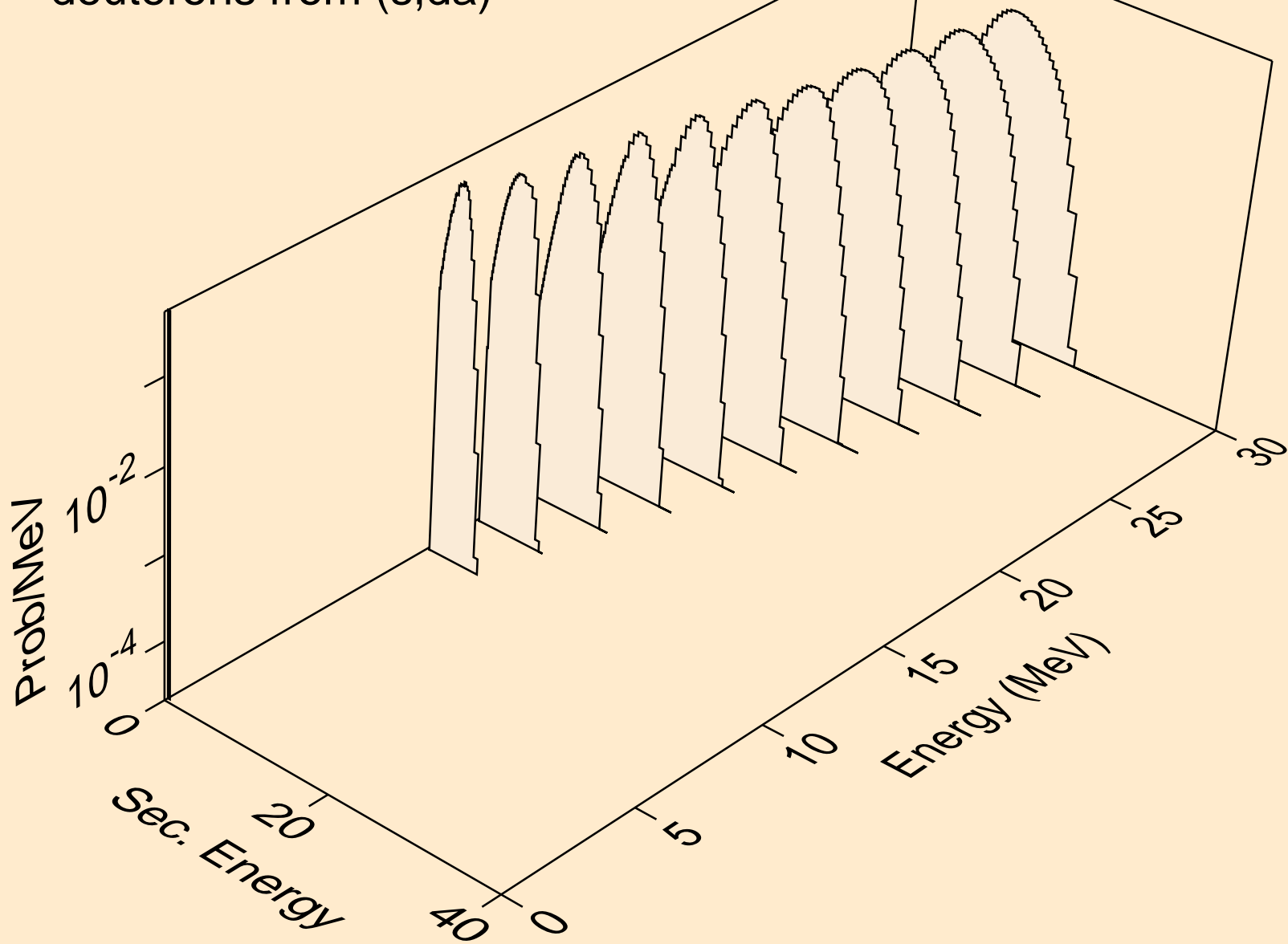
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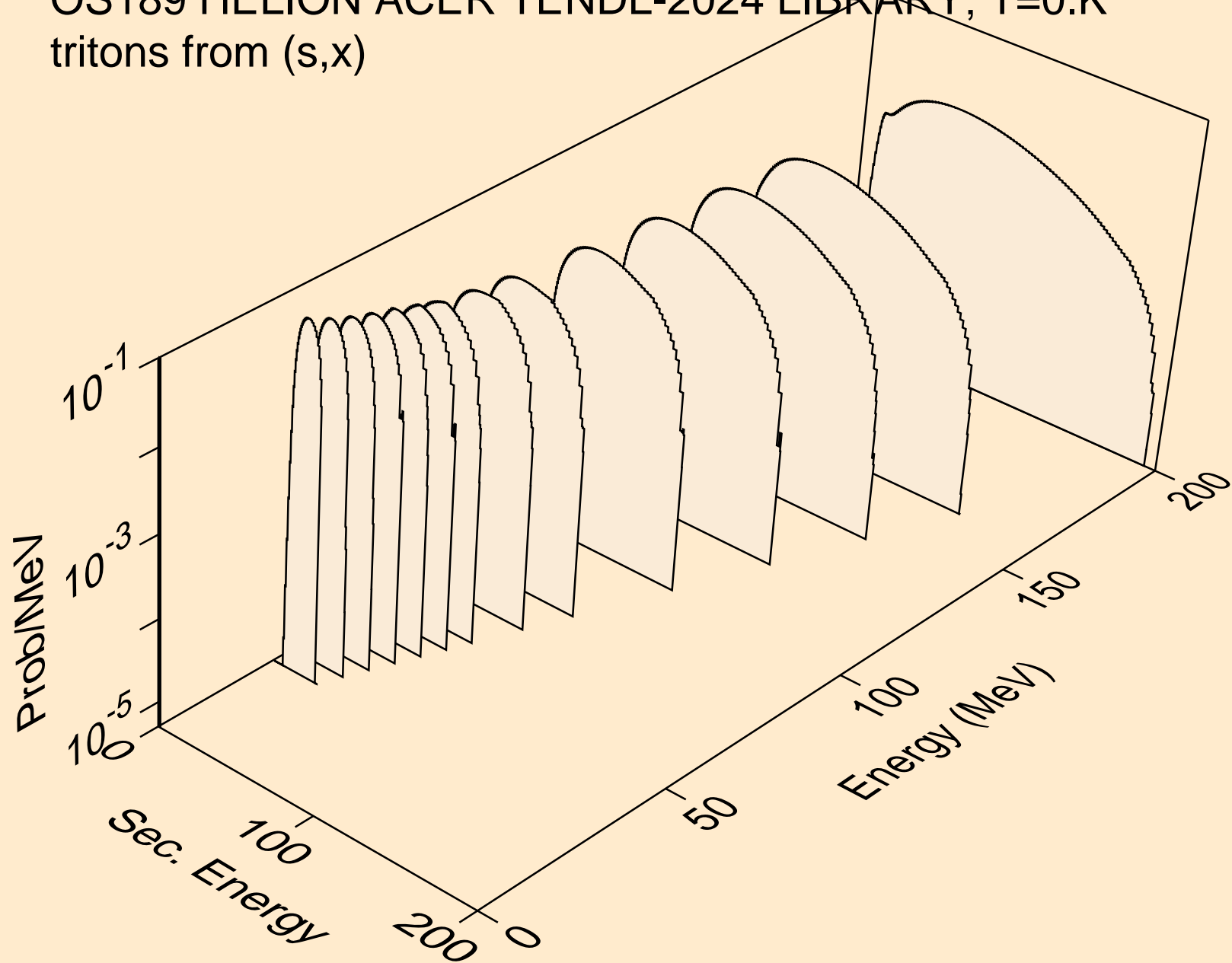
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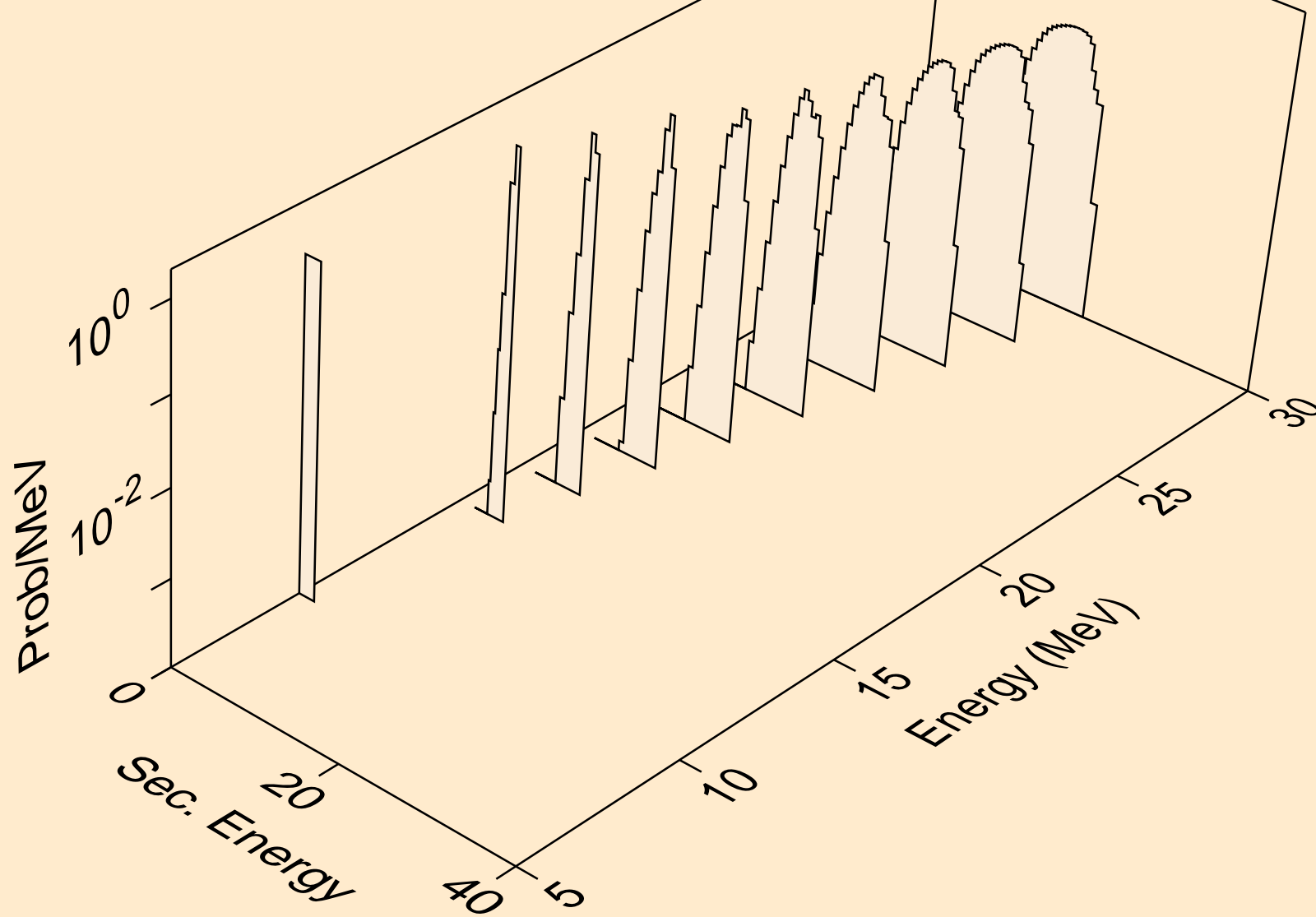
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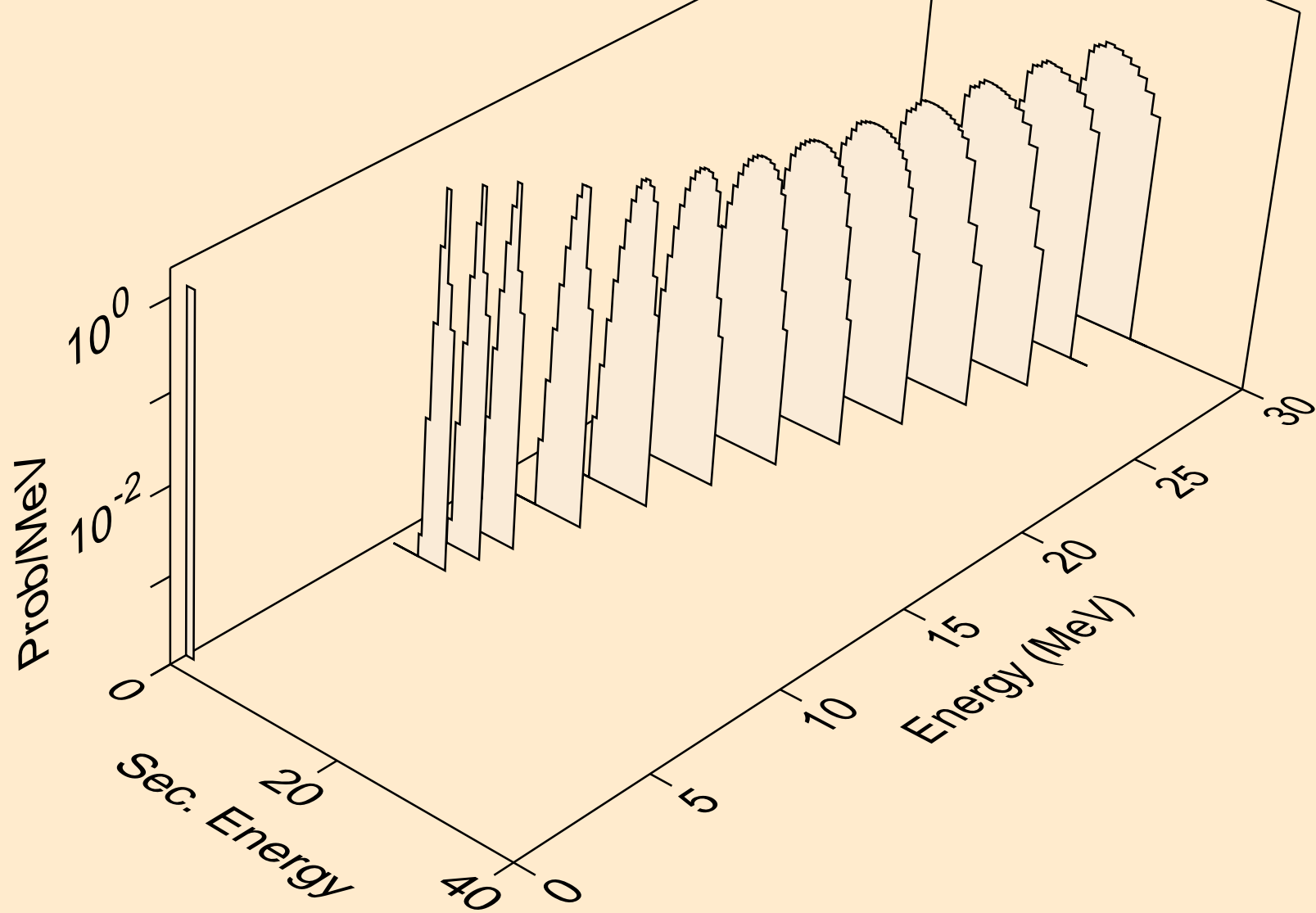
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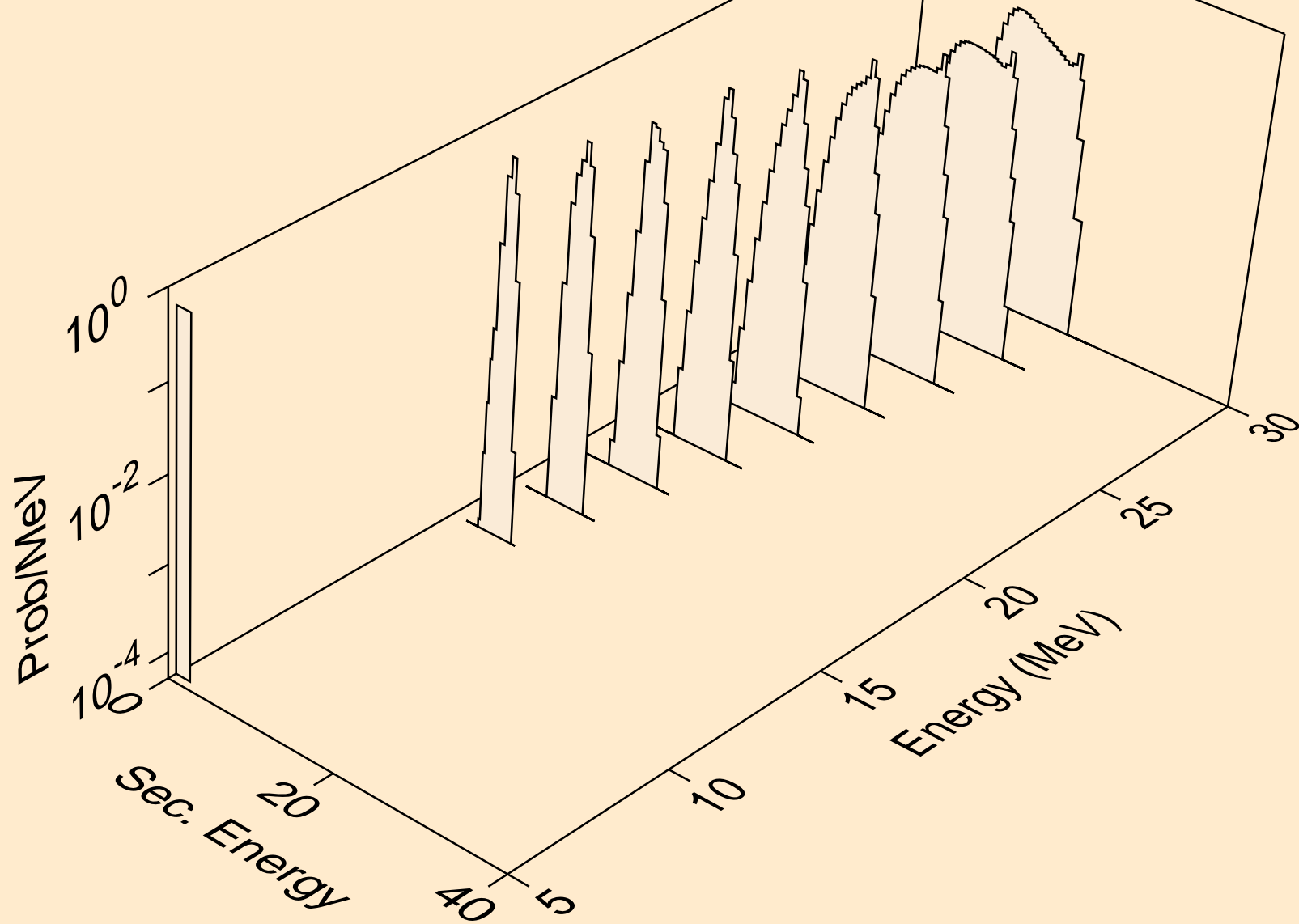
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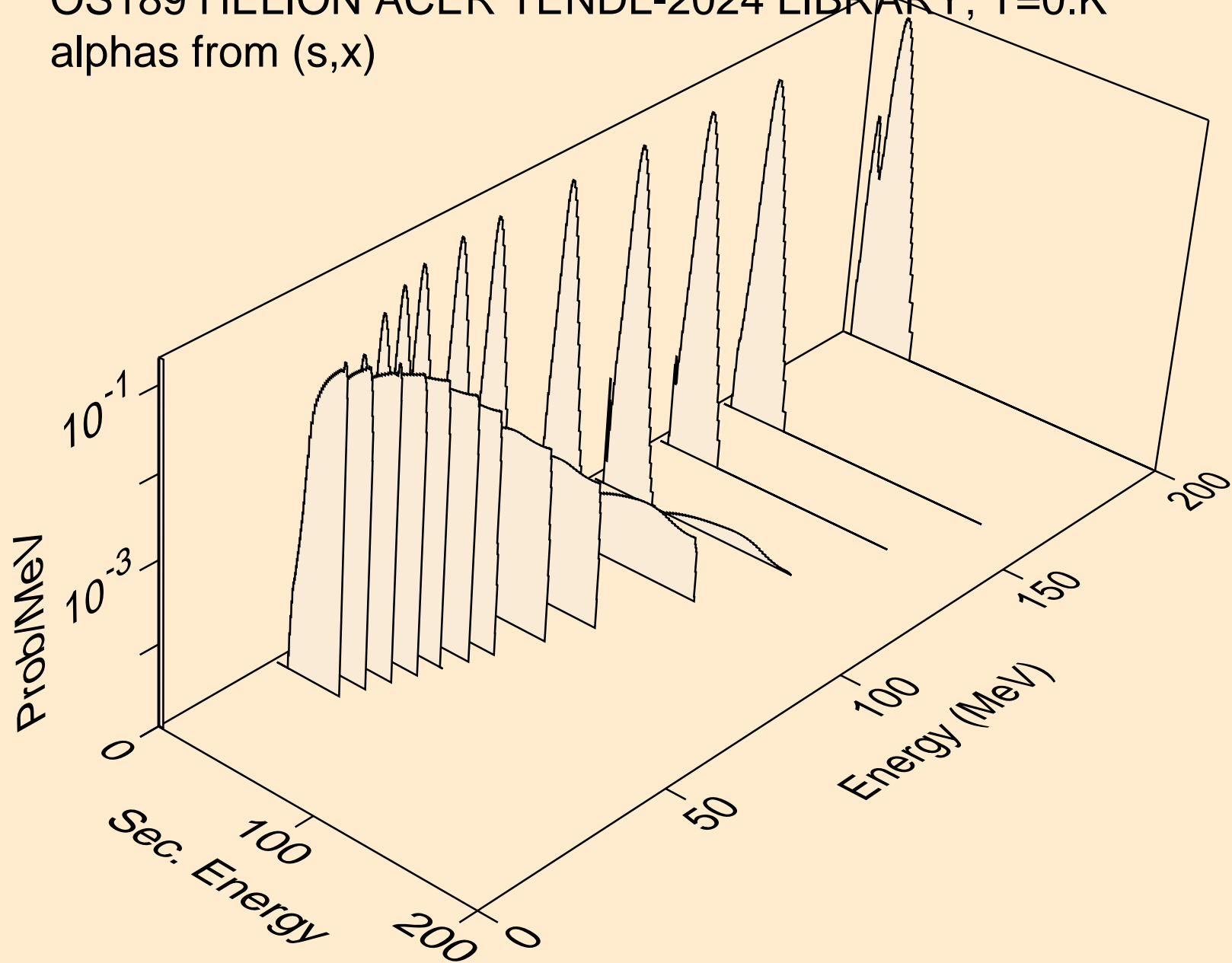
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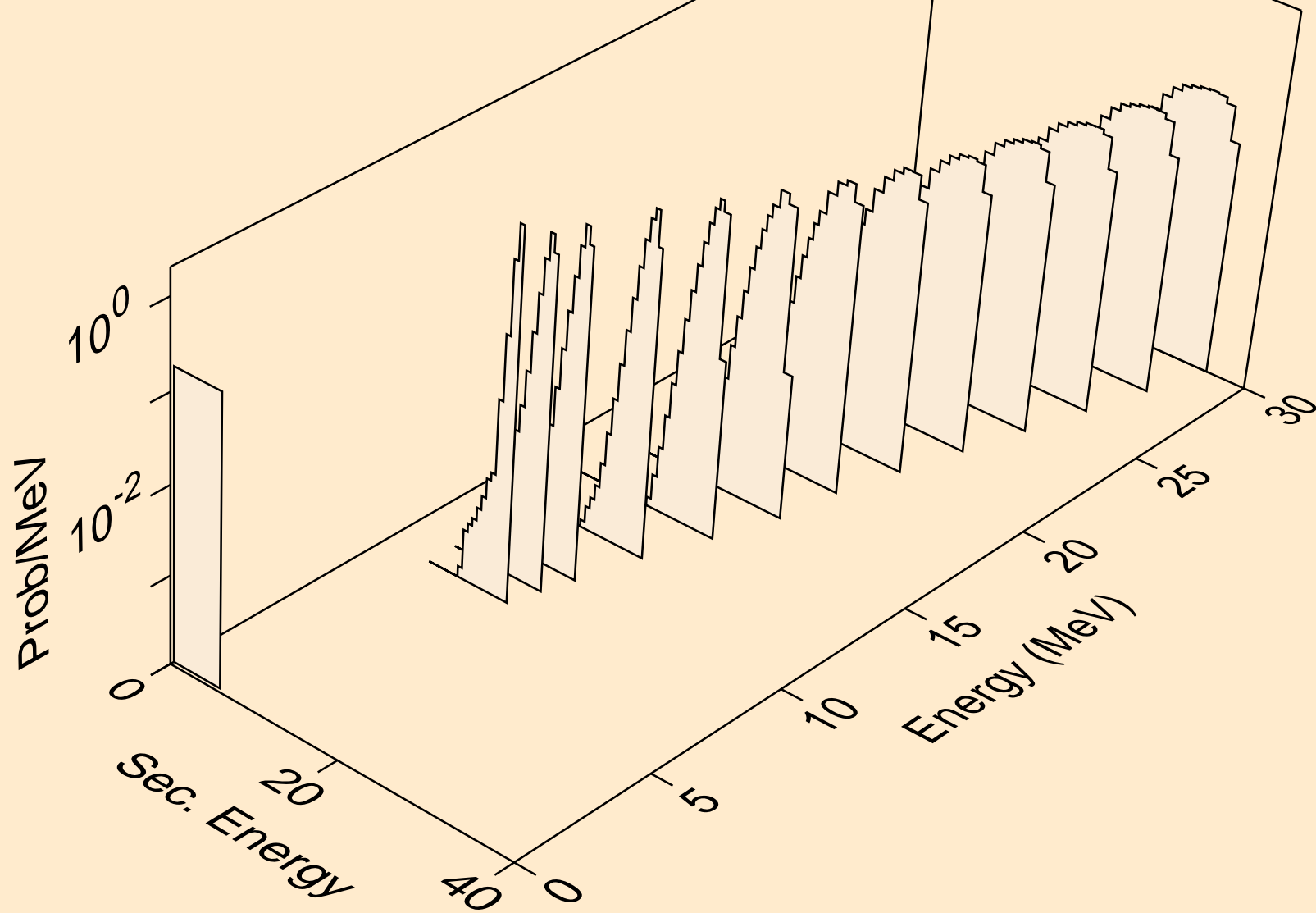
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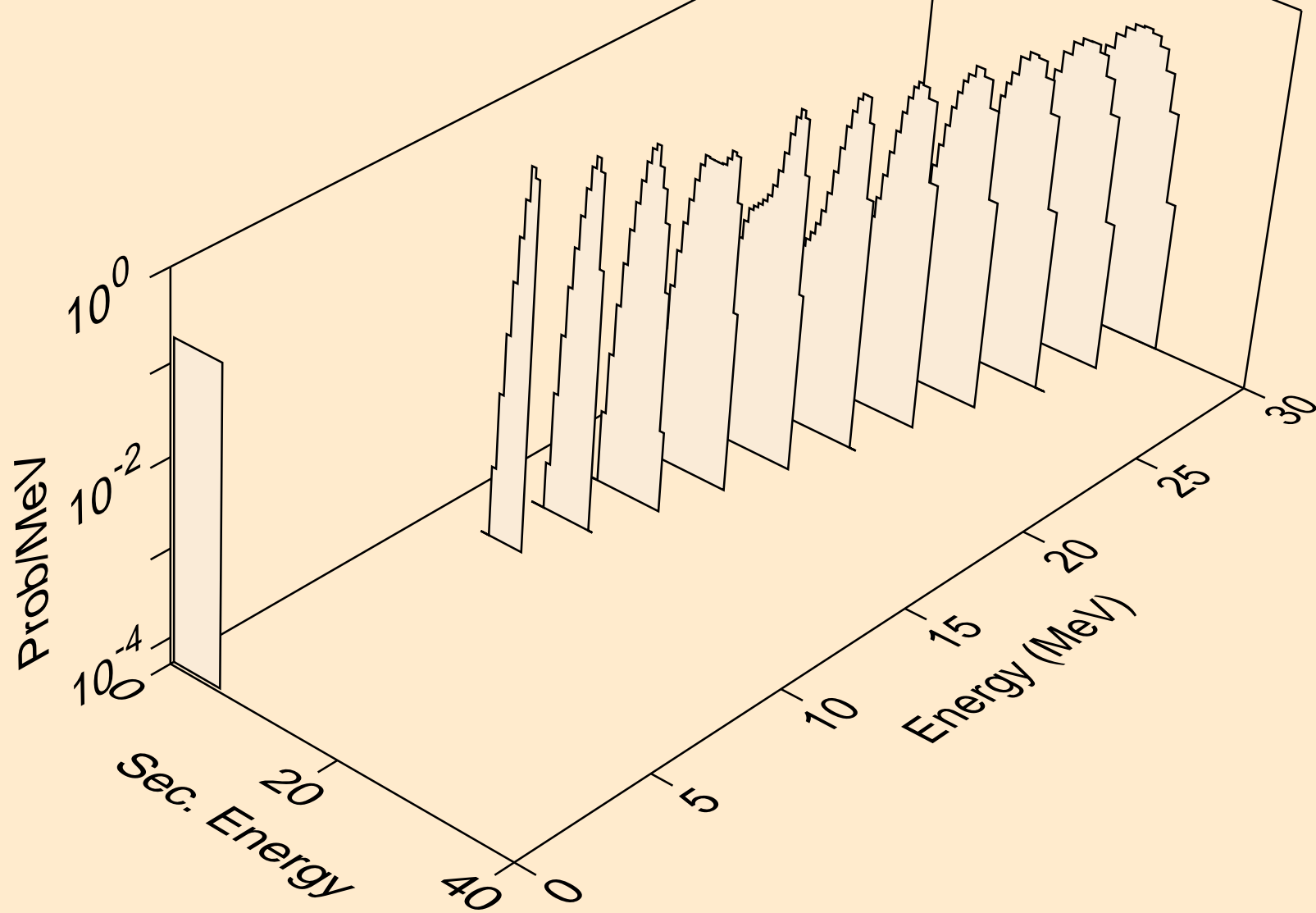
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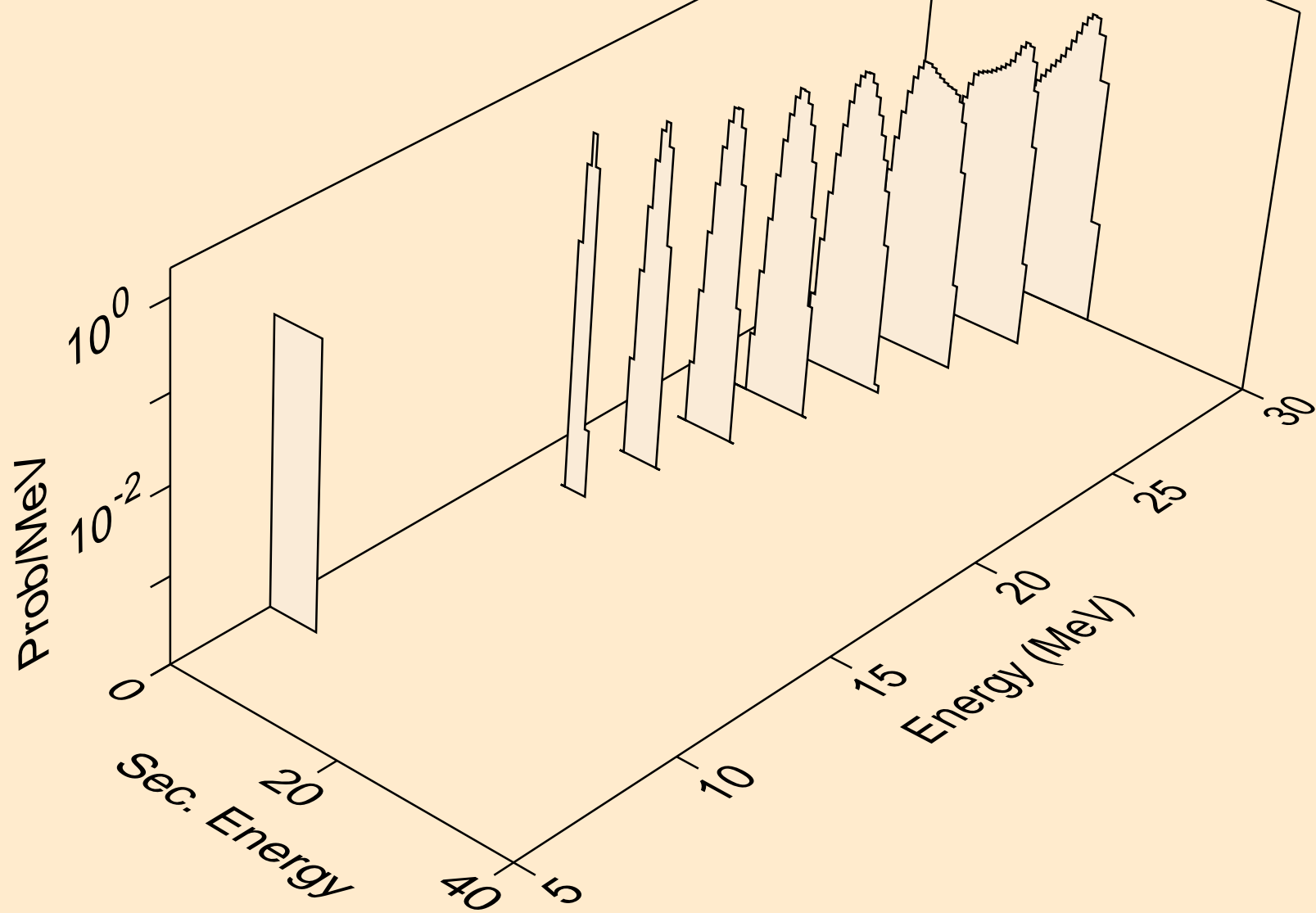
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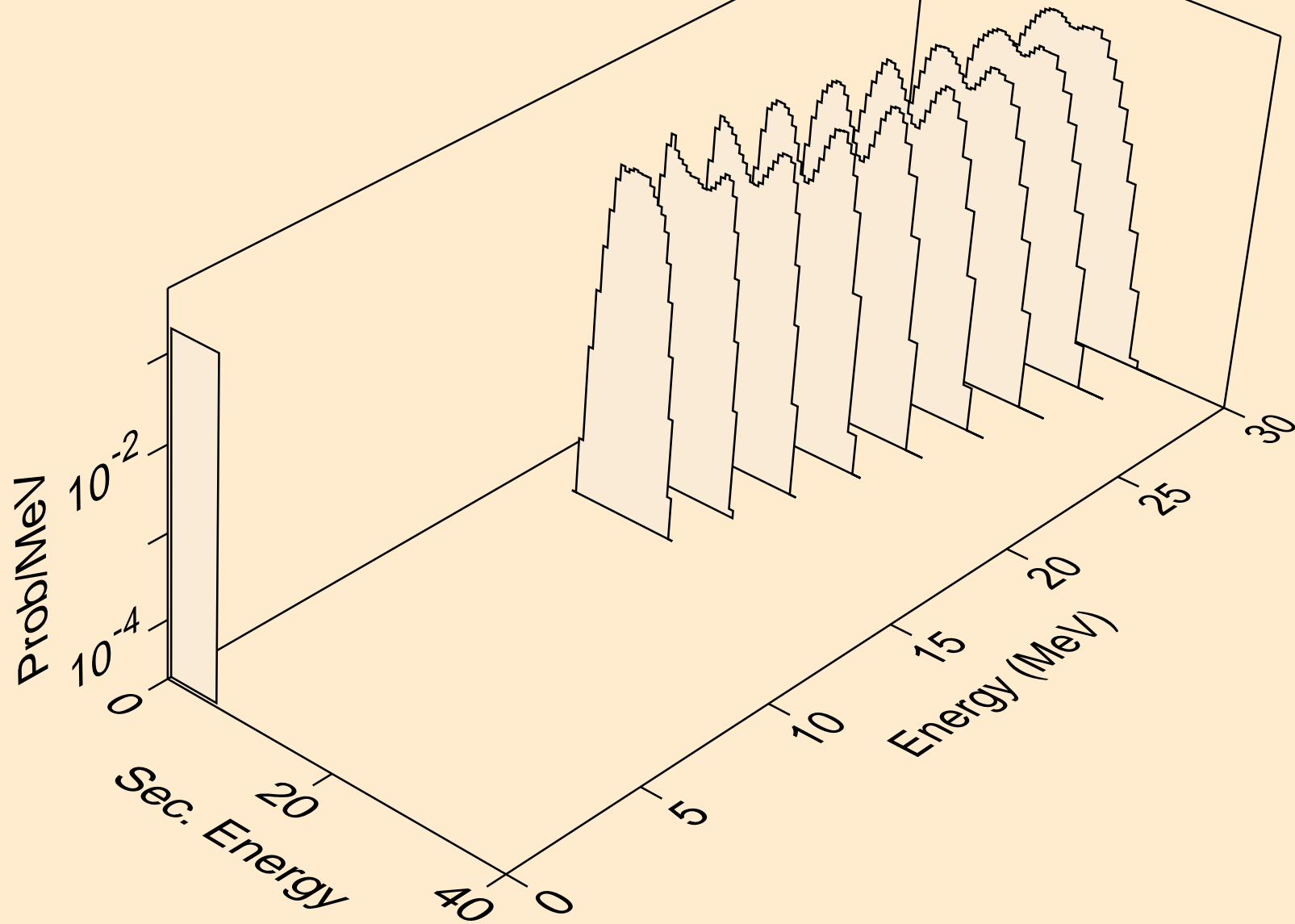
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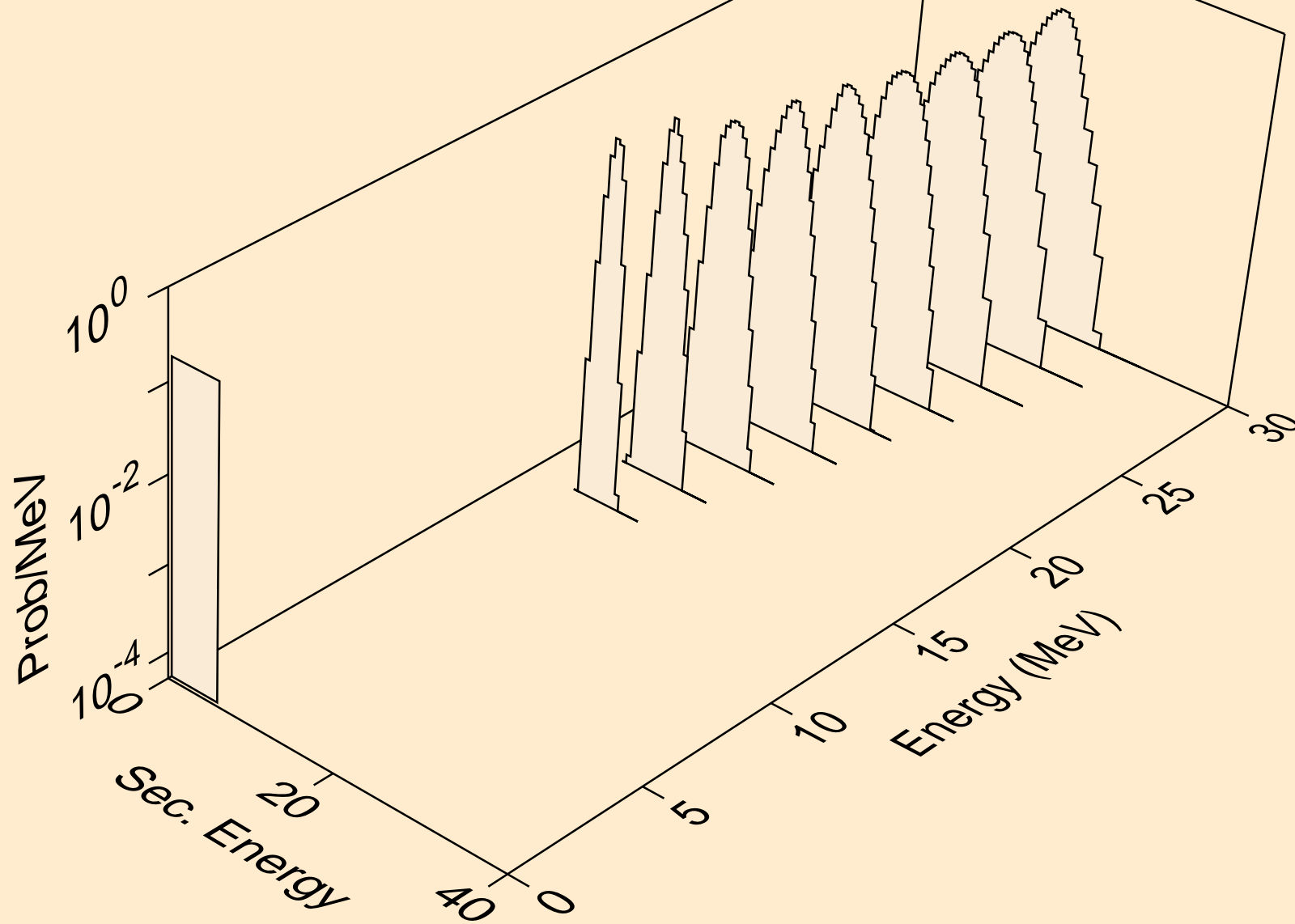
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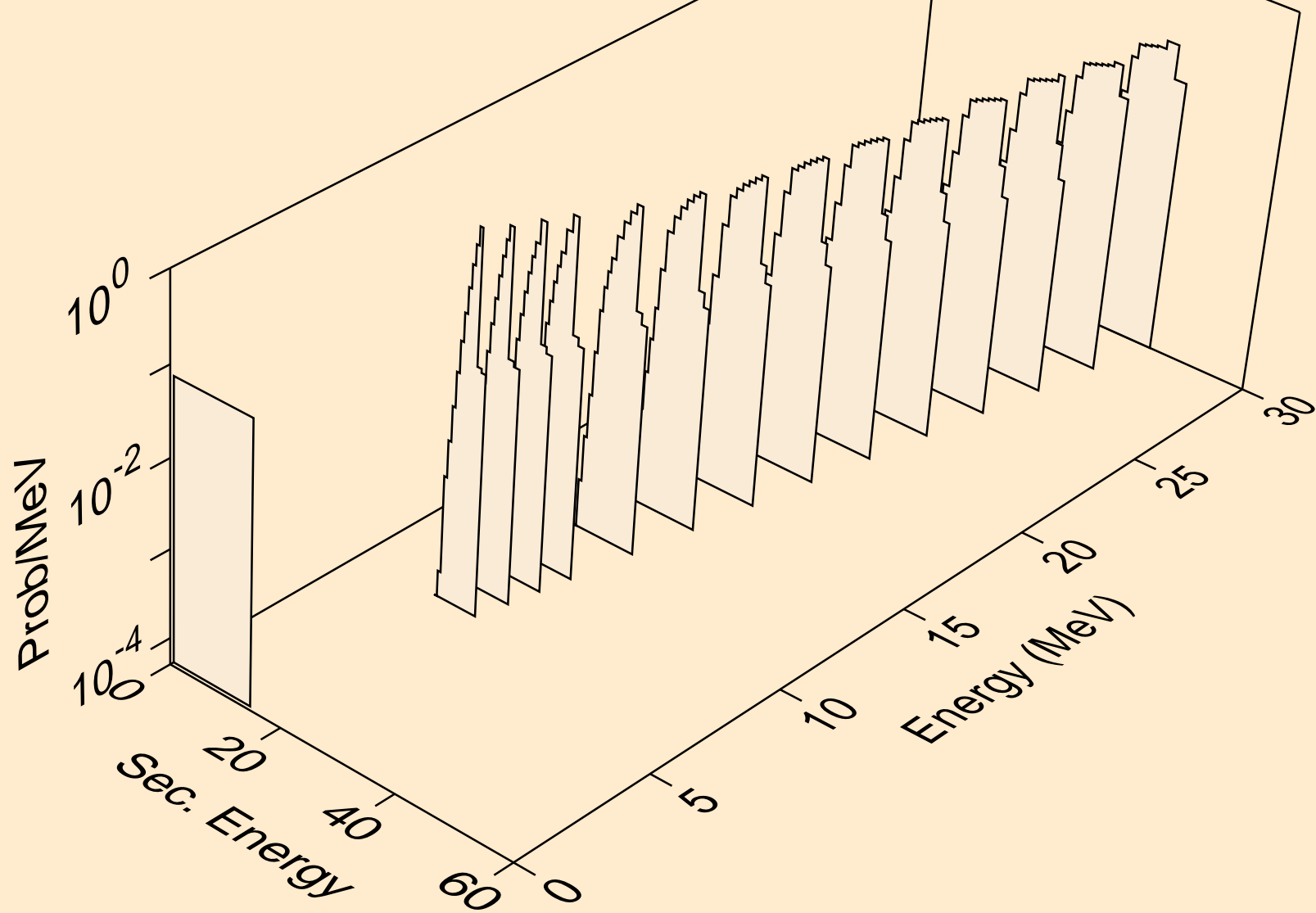
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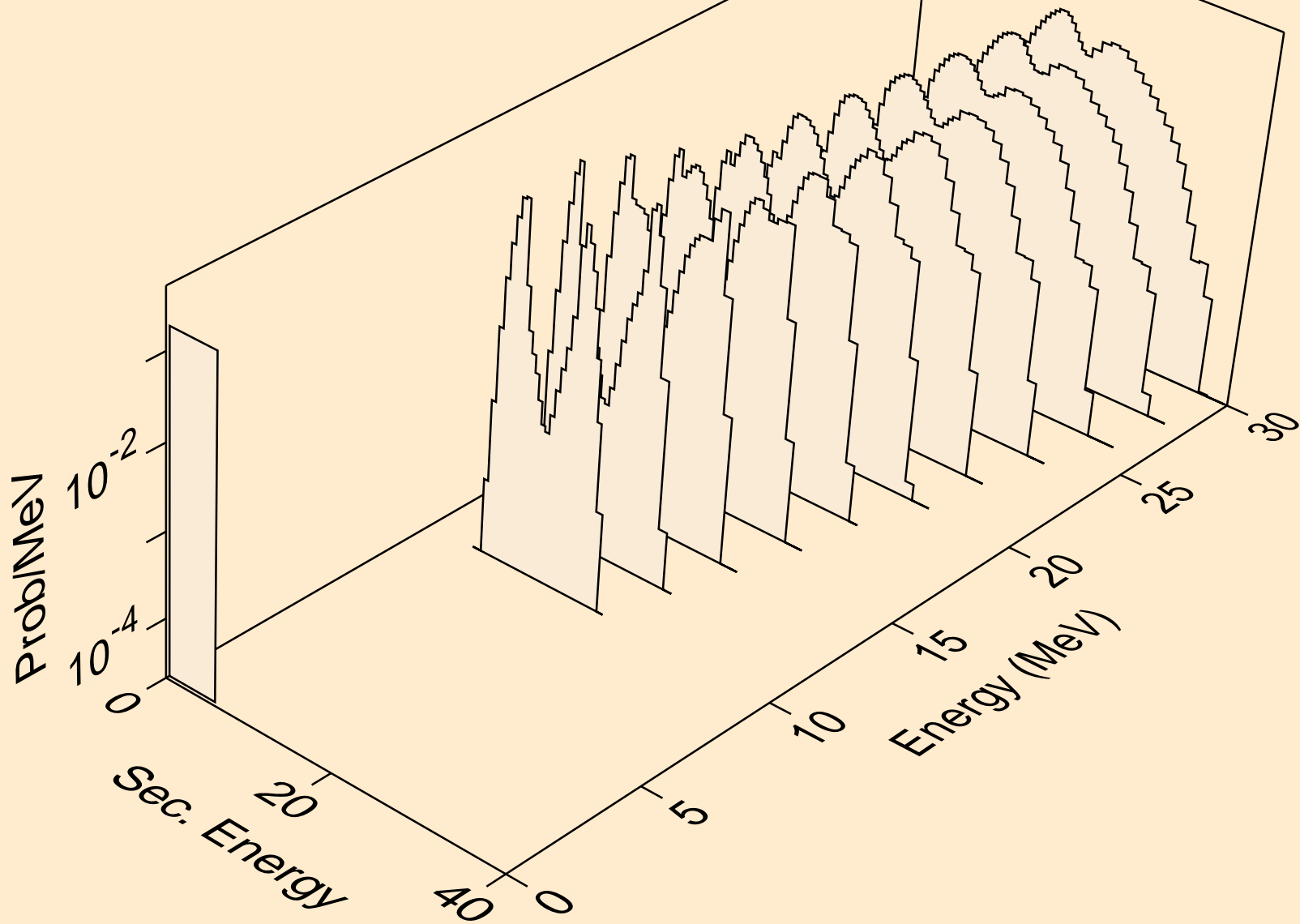
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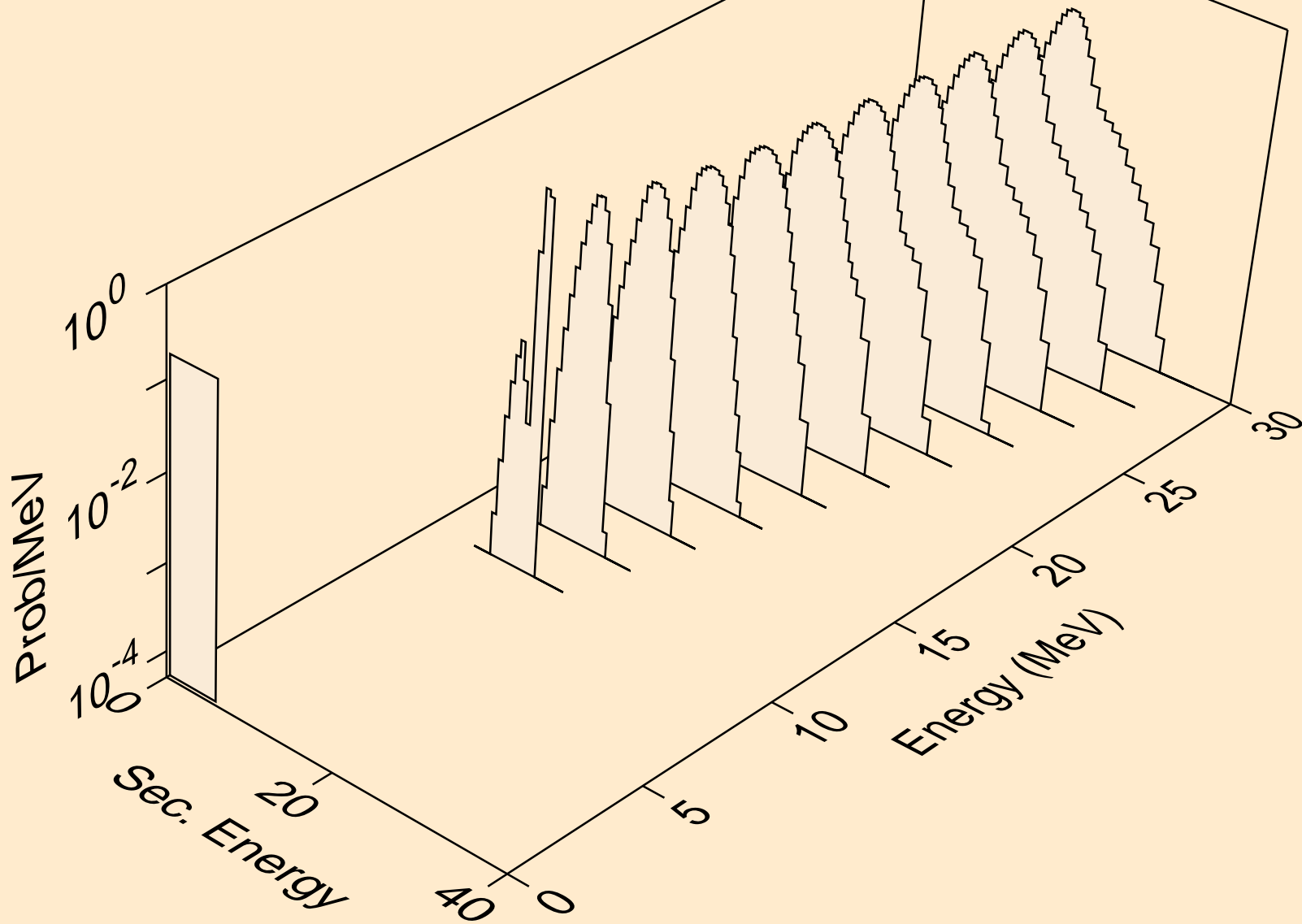
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alphas from (s,a)



OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,2a)



OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,pa)



OS189 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,da)

