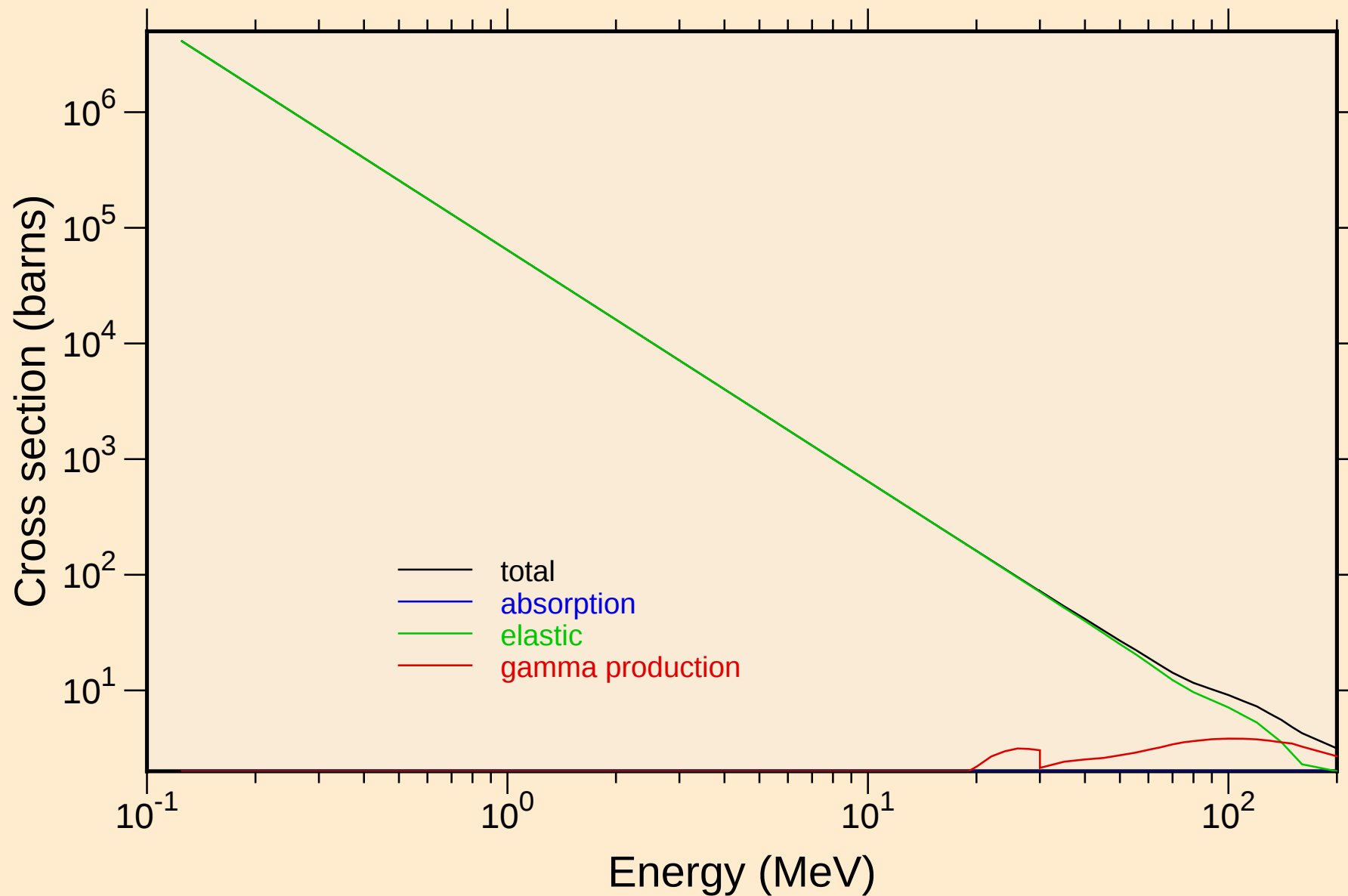


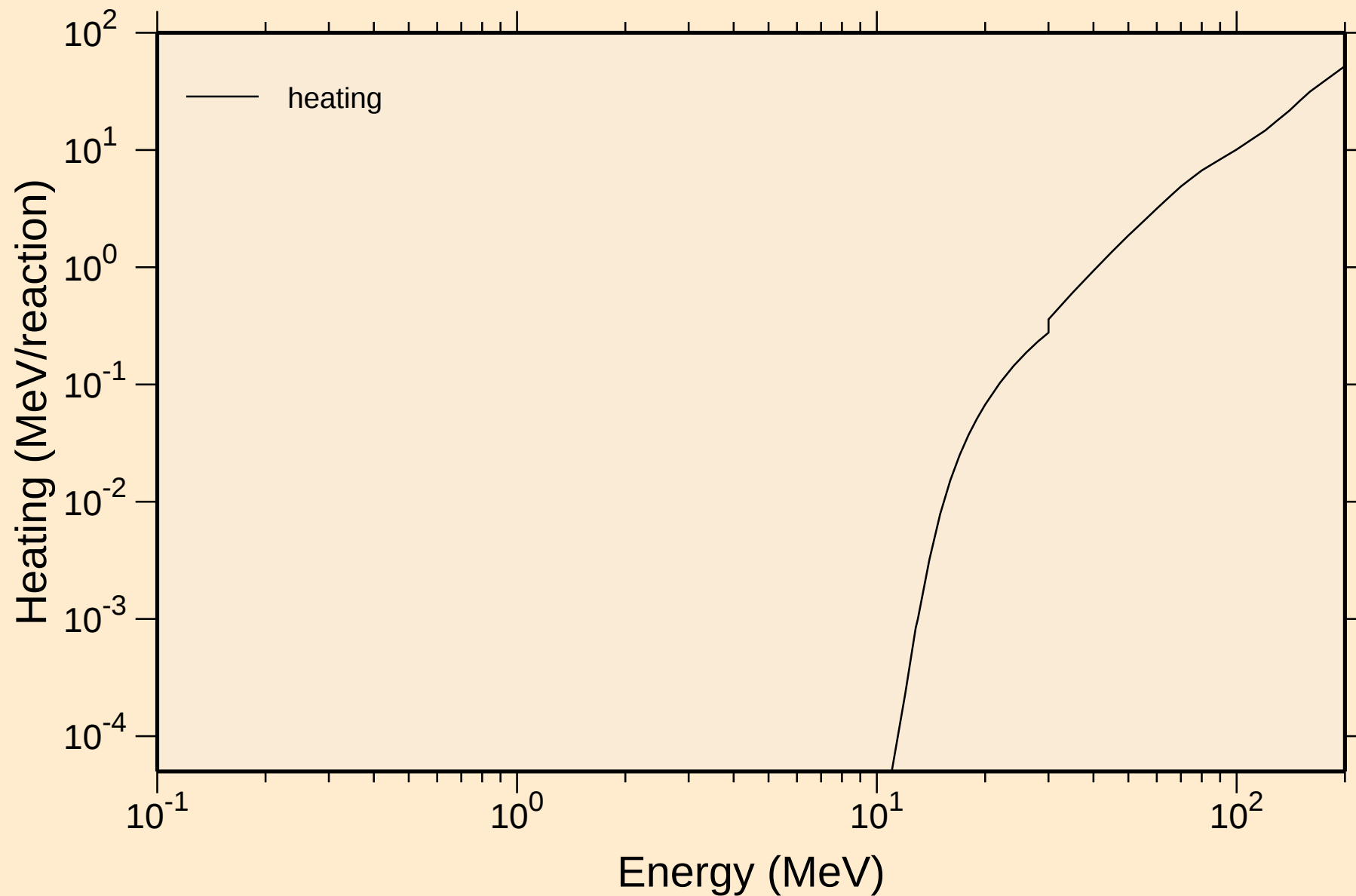
# SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



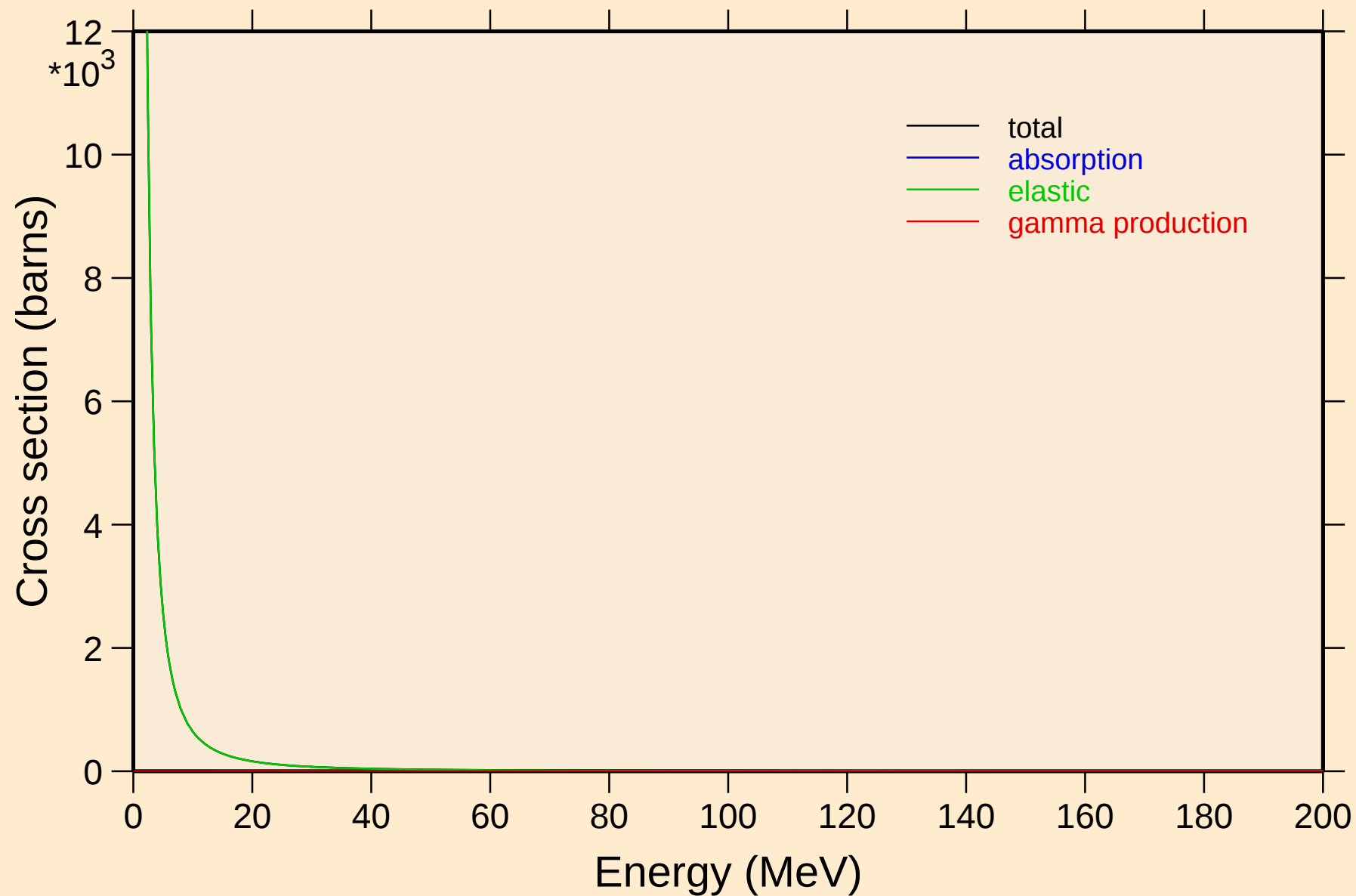
# SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K

Heating



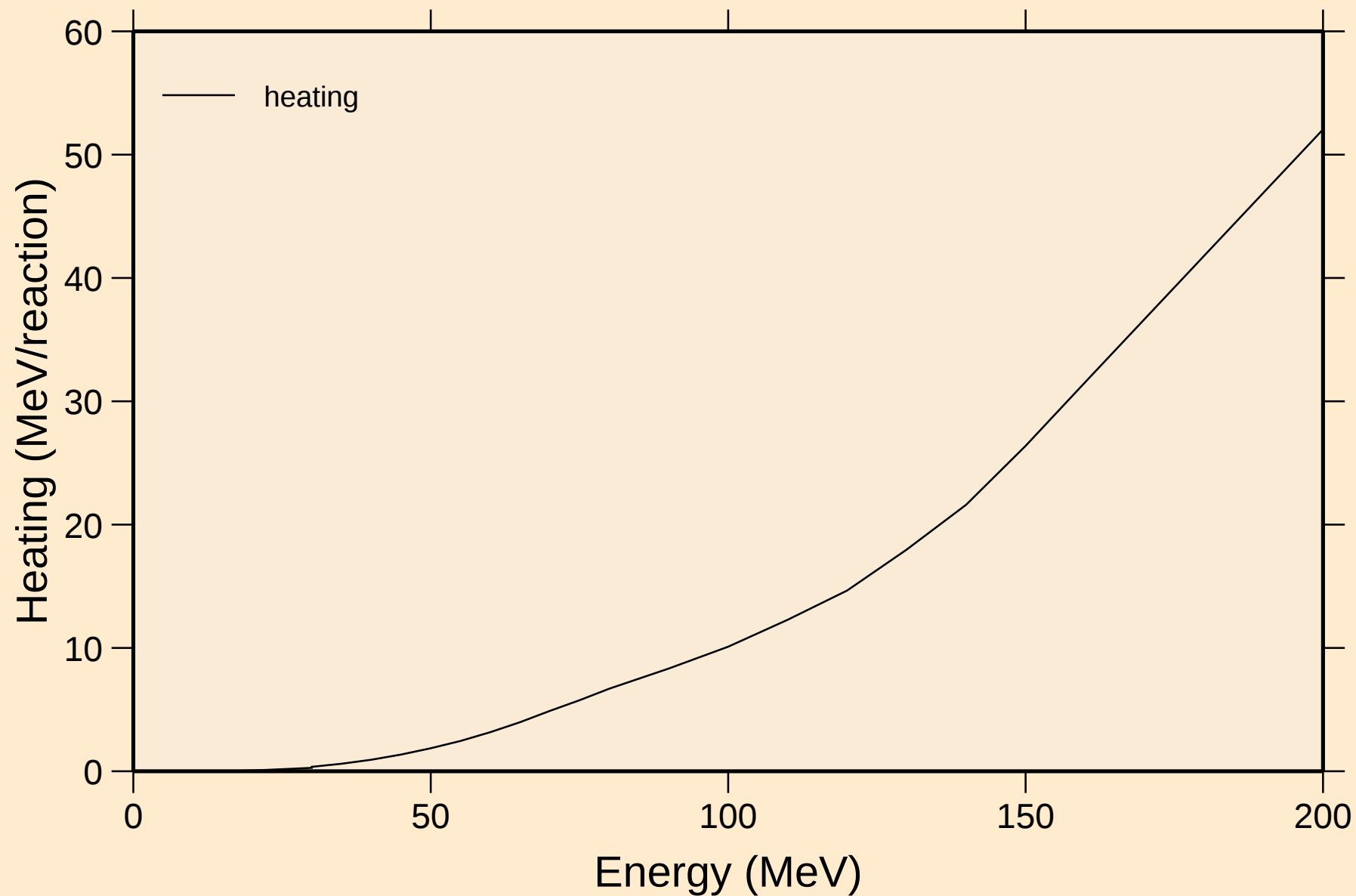
# SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



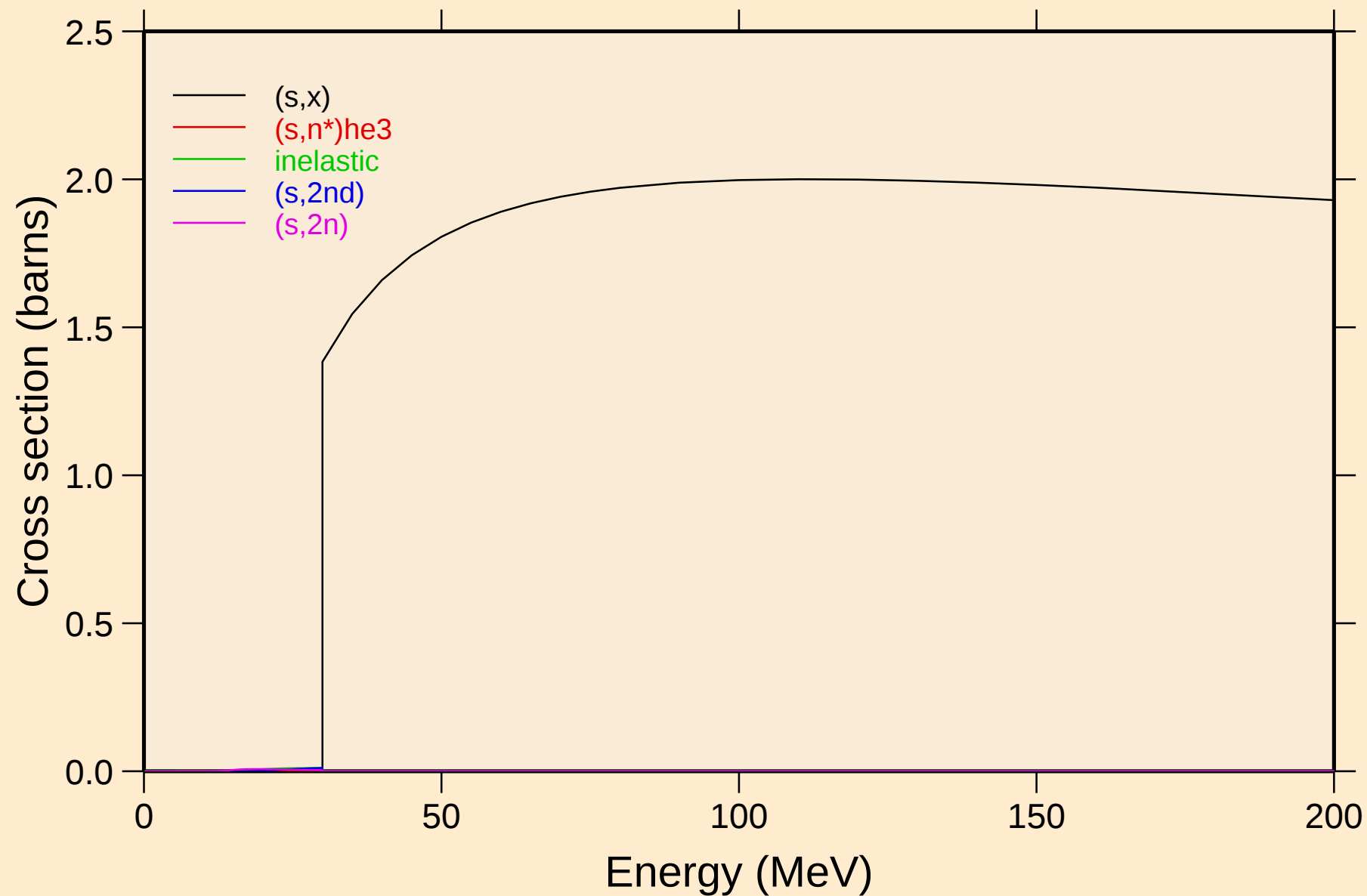
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K

Heating



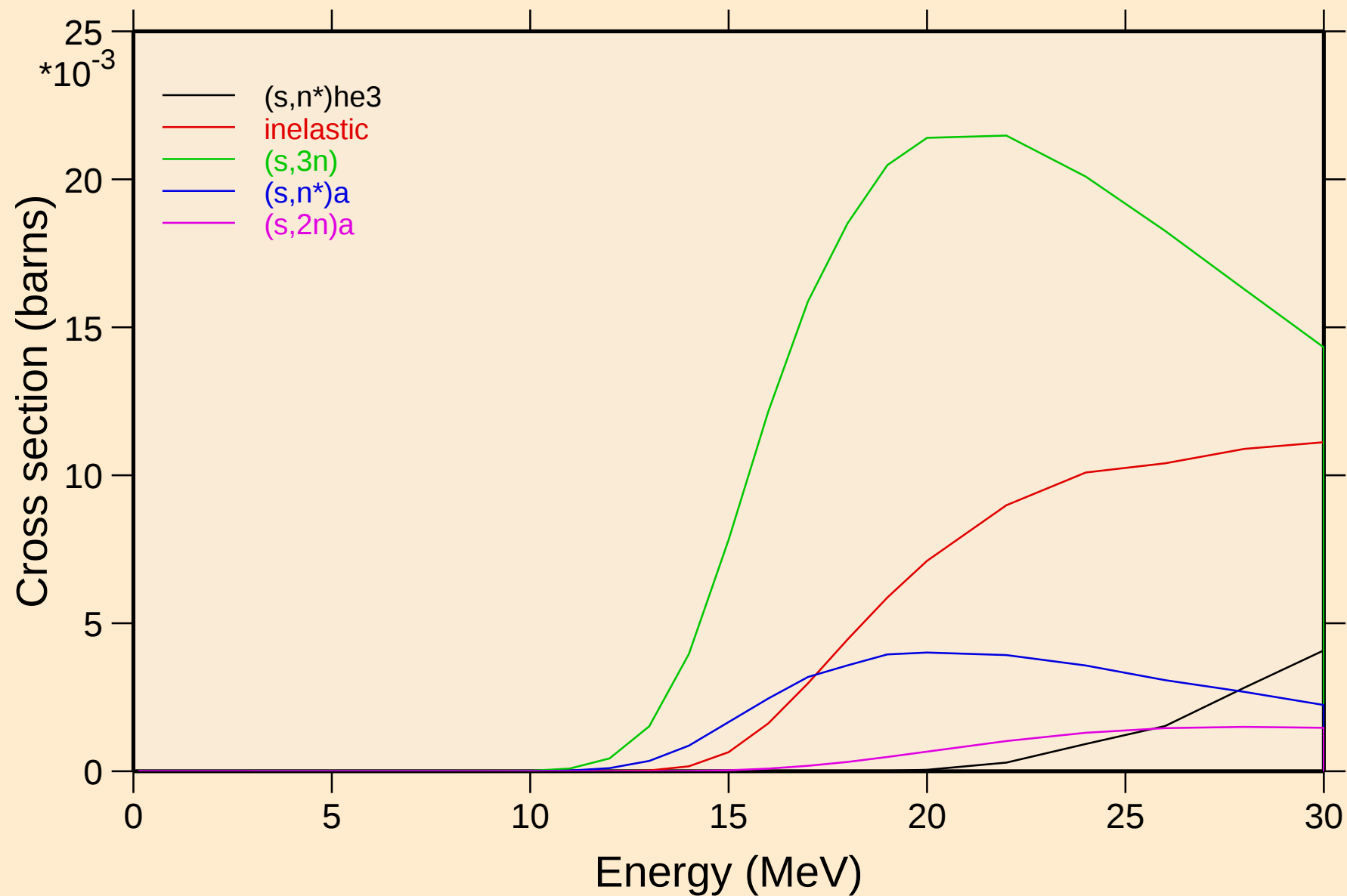
# SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



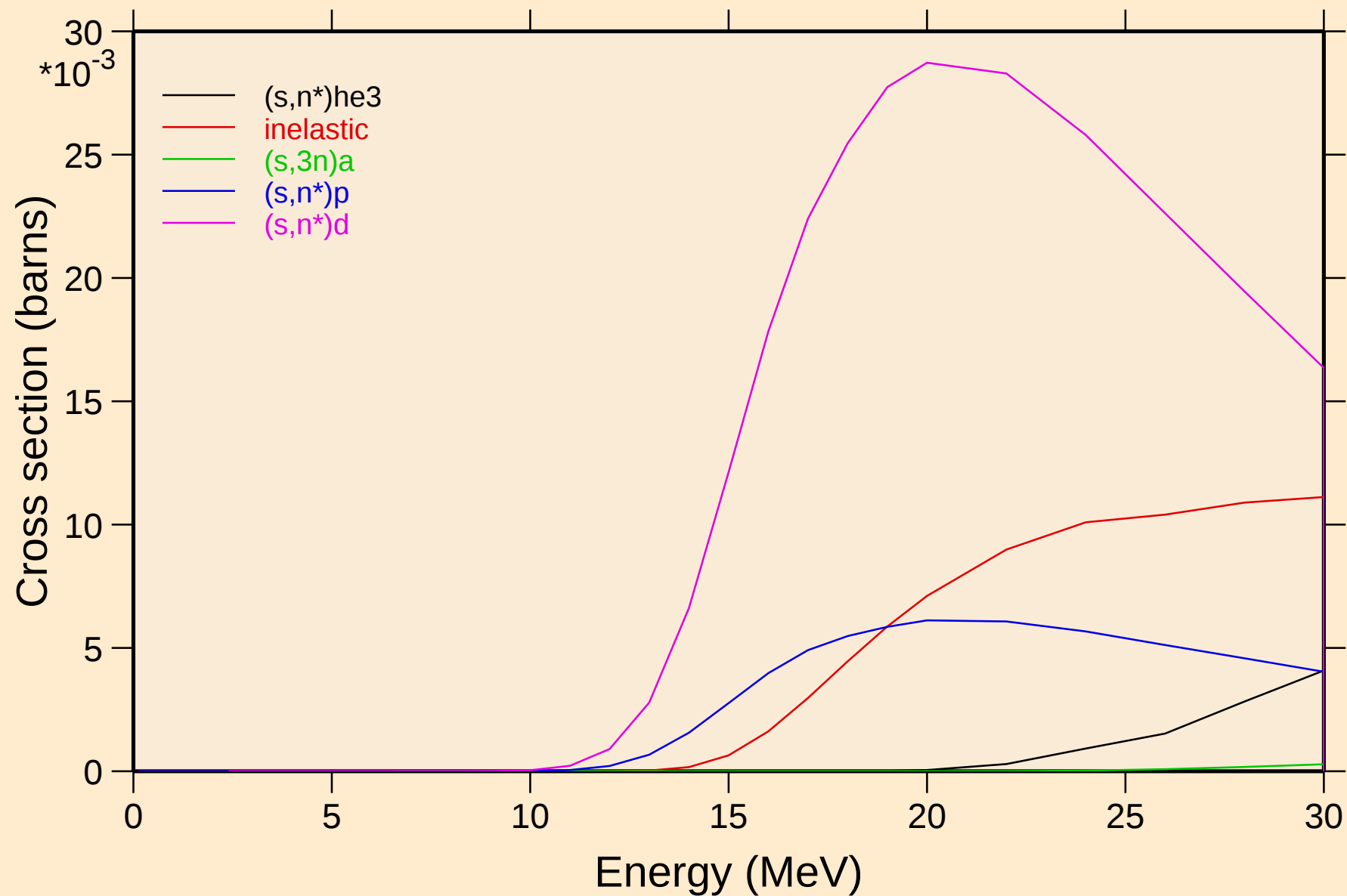
# SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



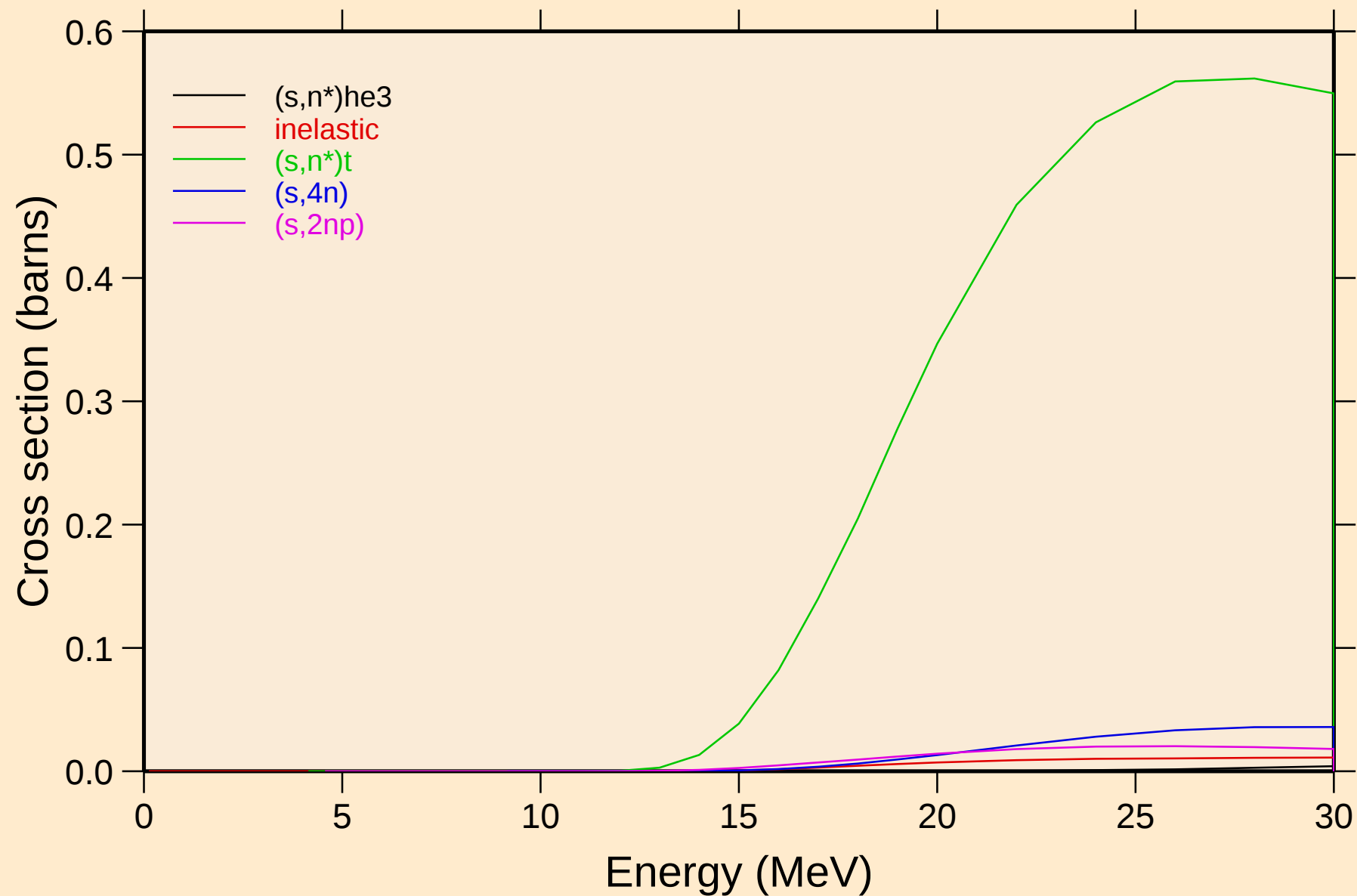
# SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



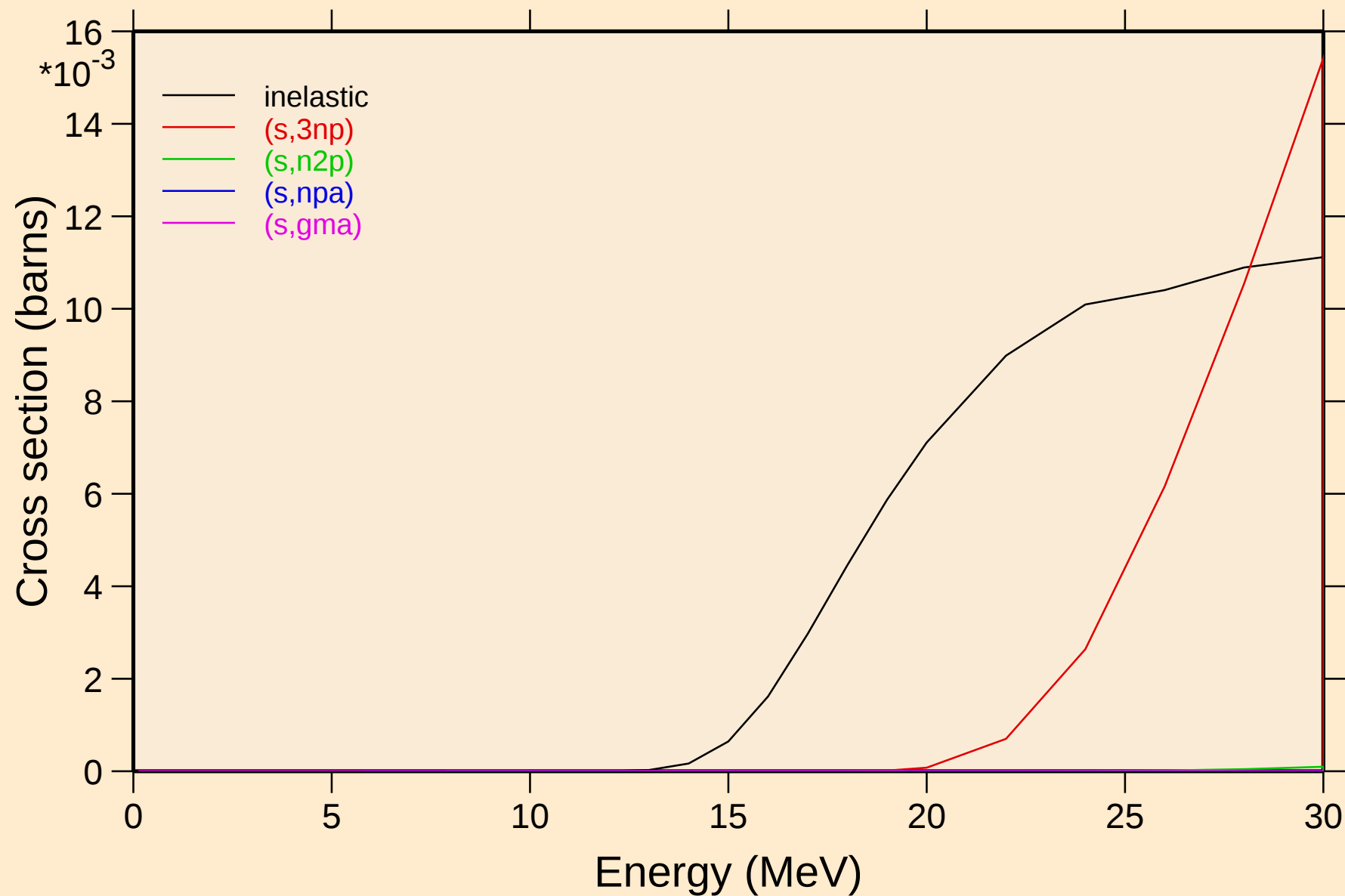
# SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



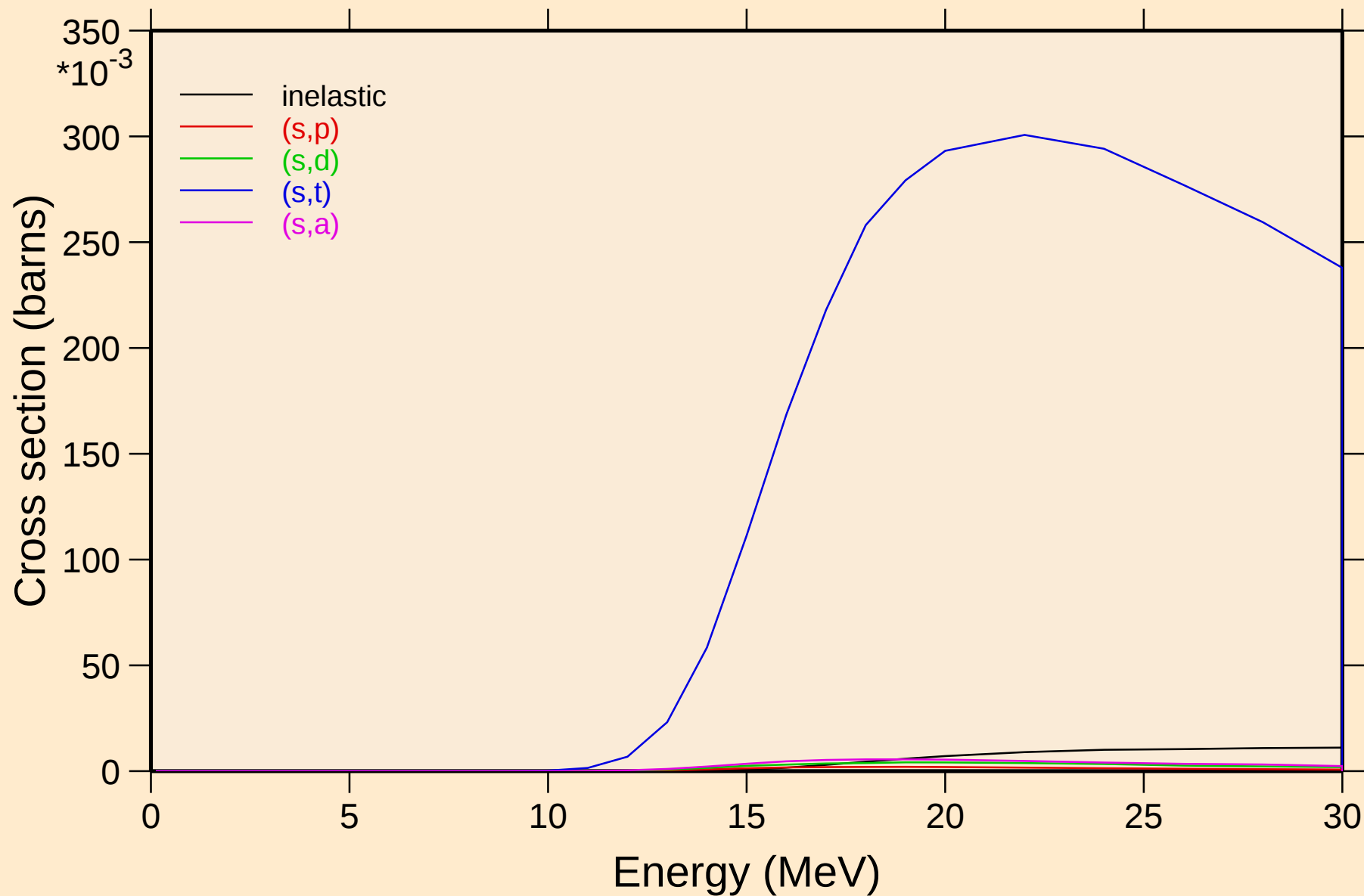
# SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



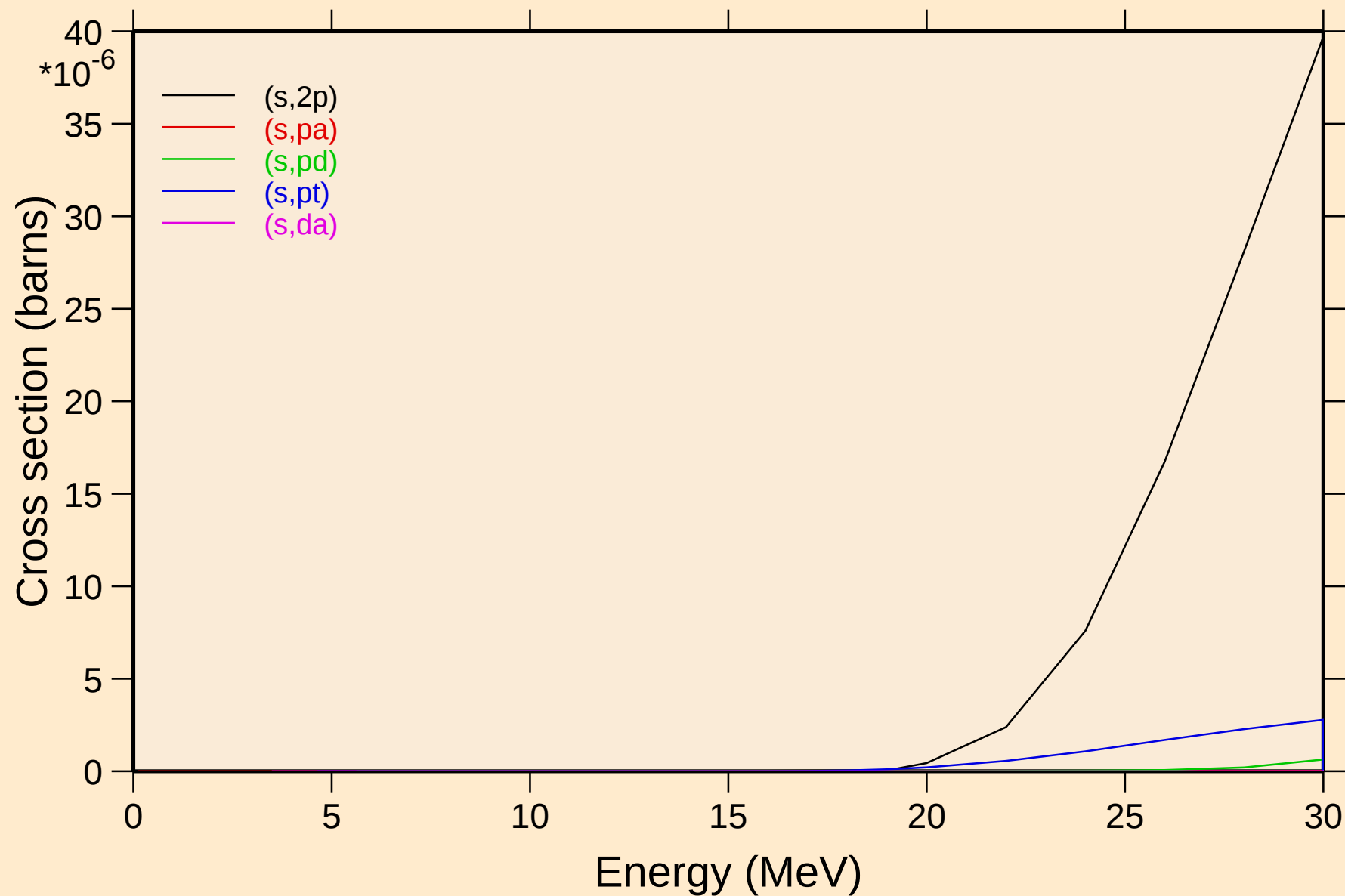
# SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

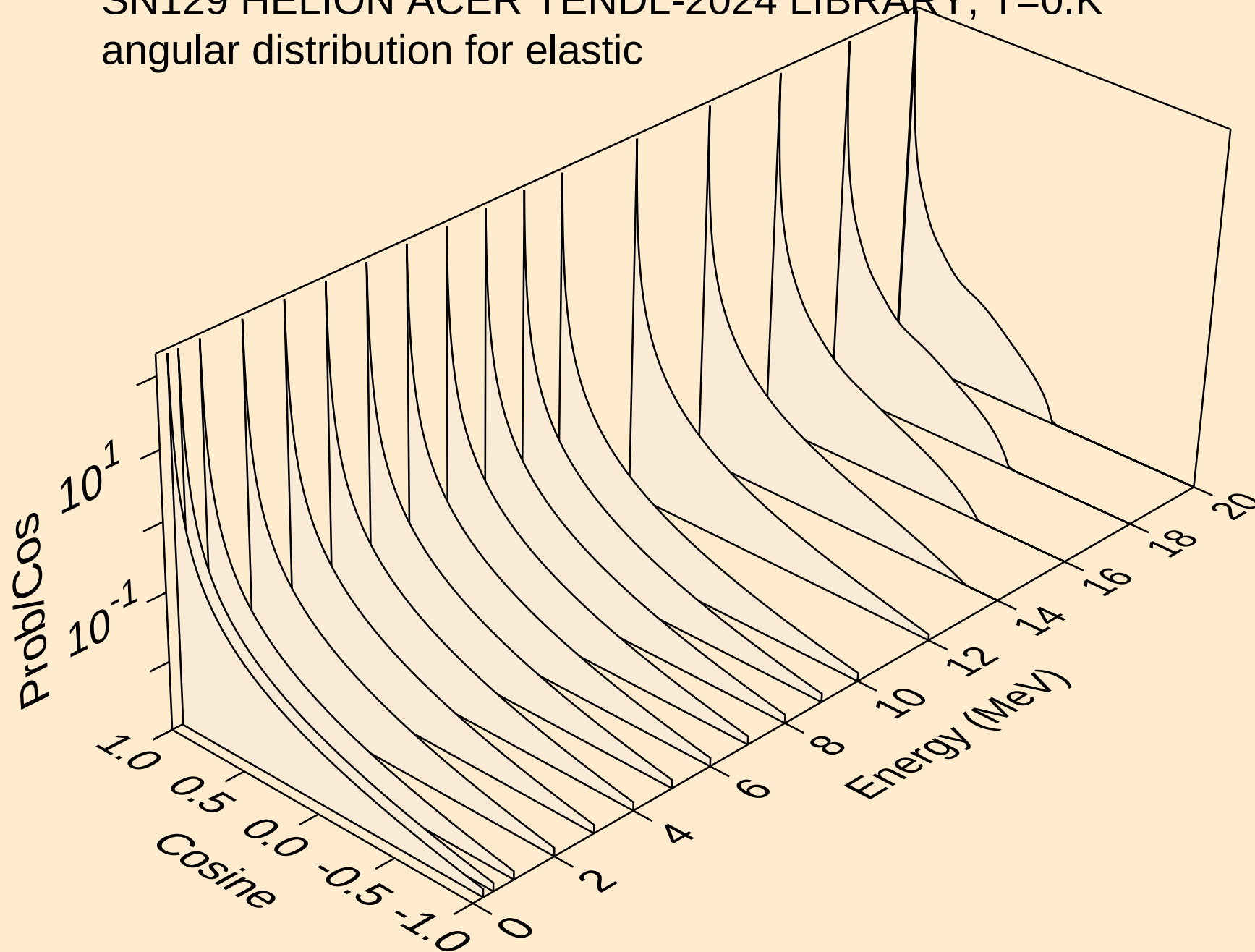


# SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K

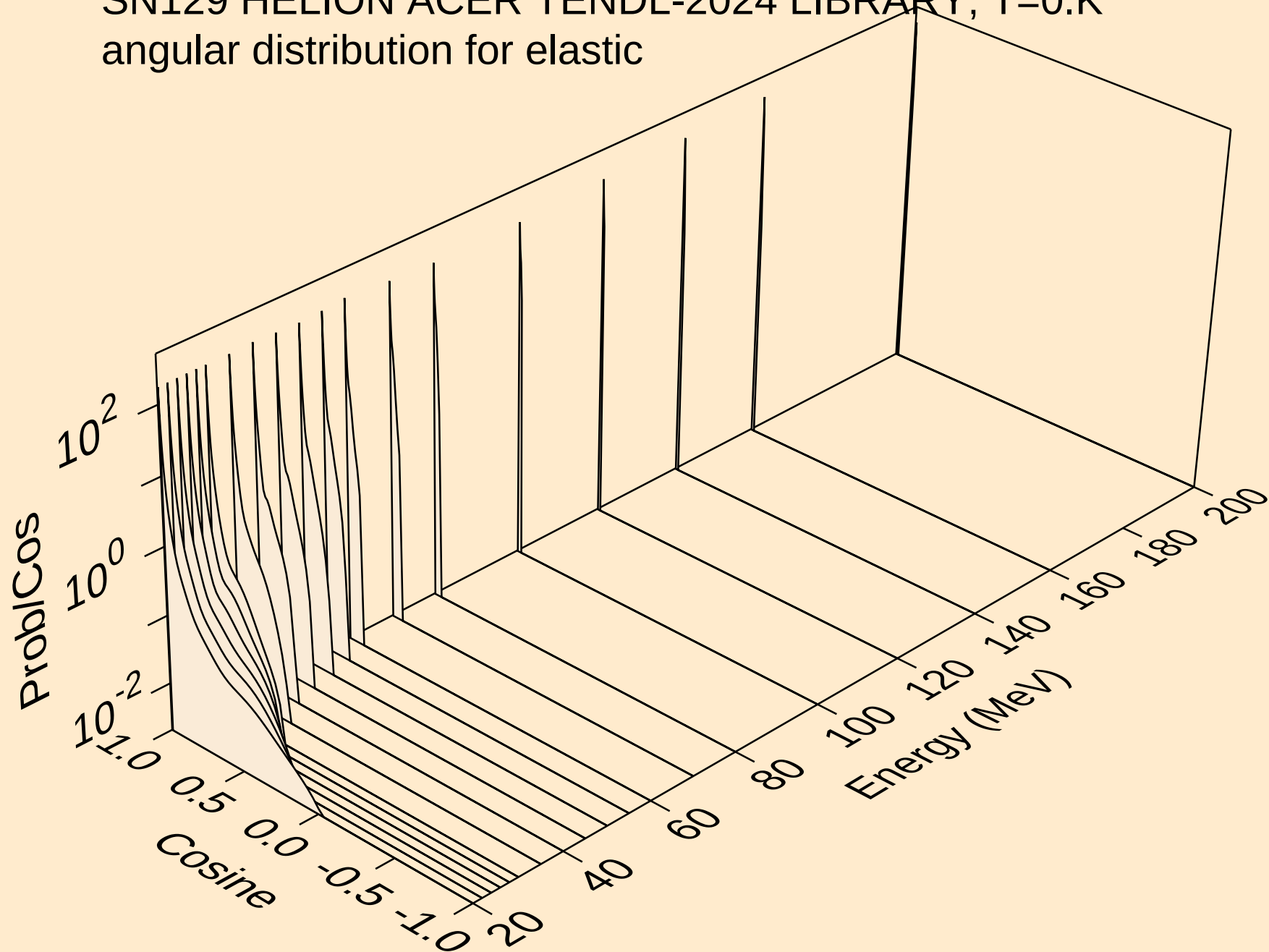
Threshold reactions



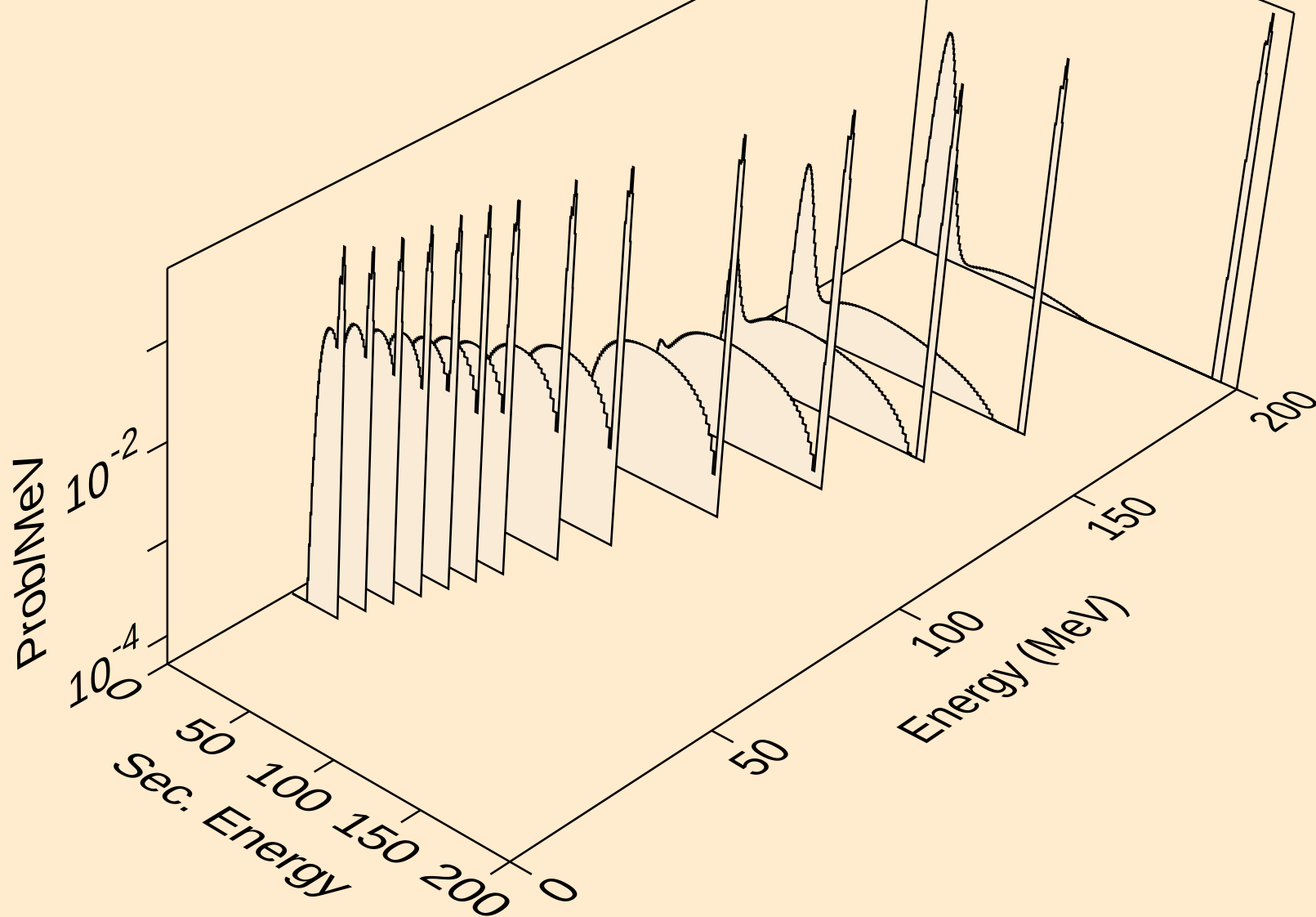
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



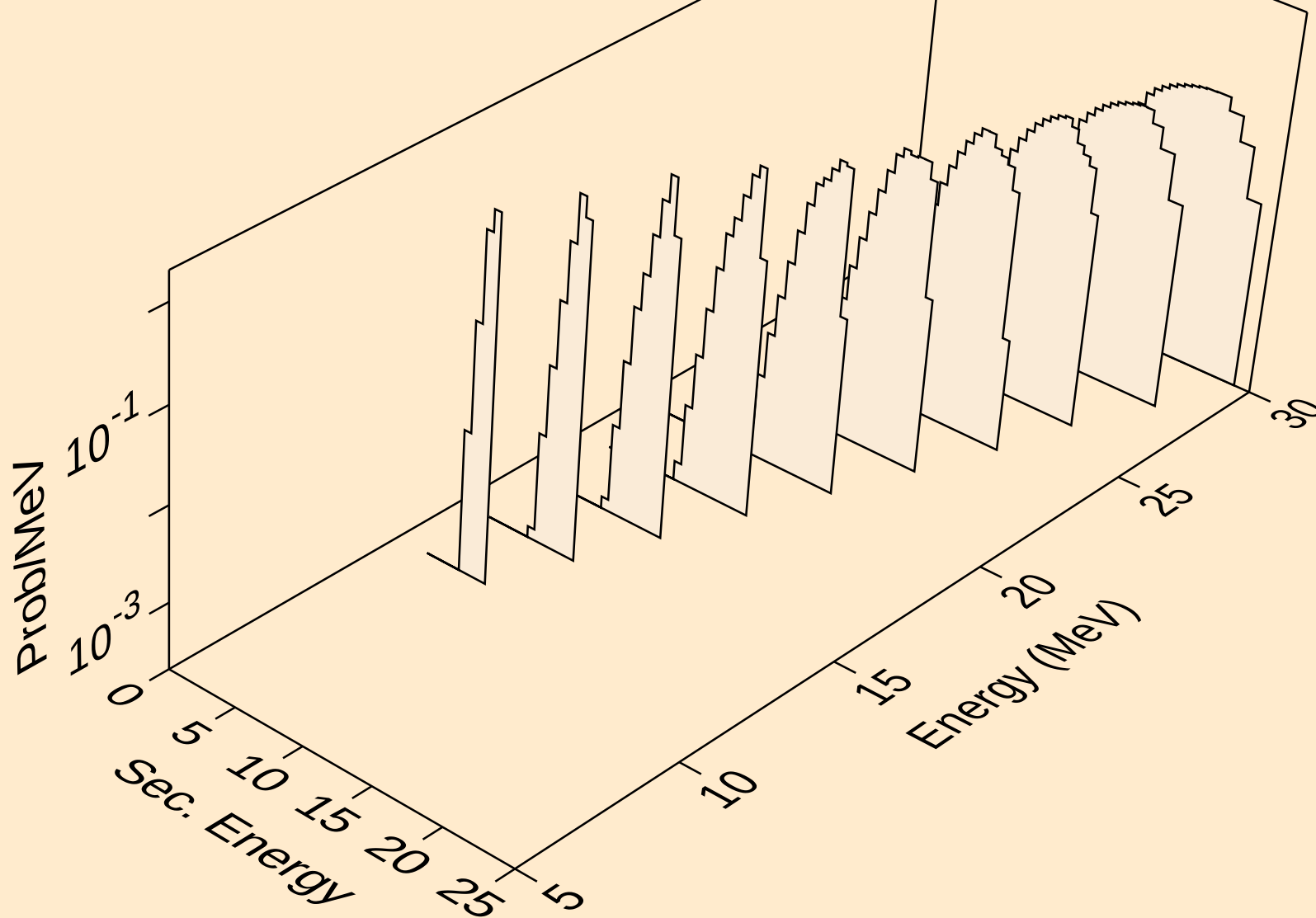
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



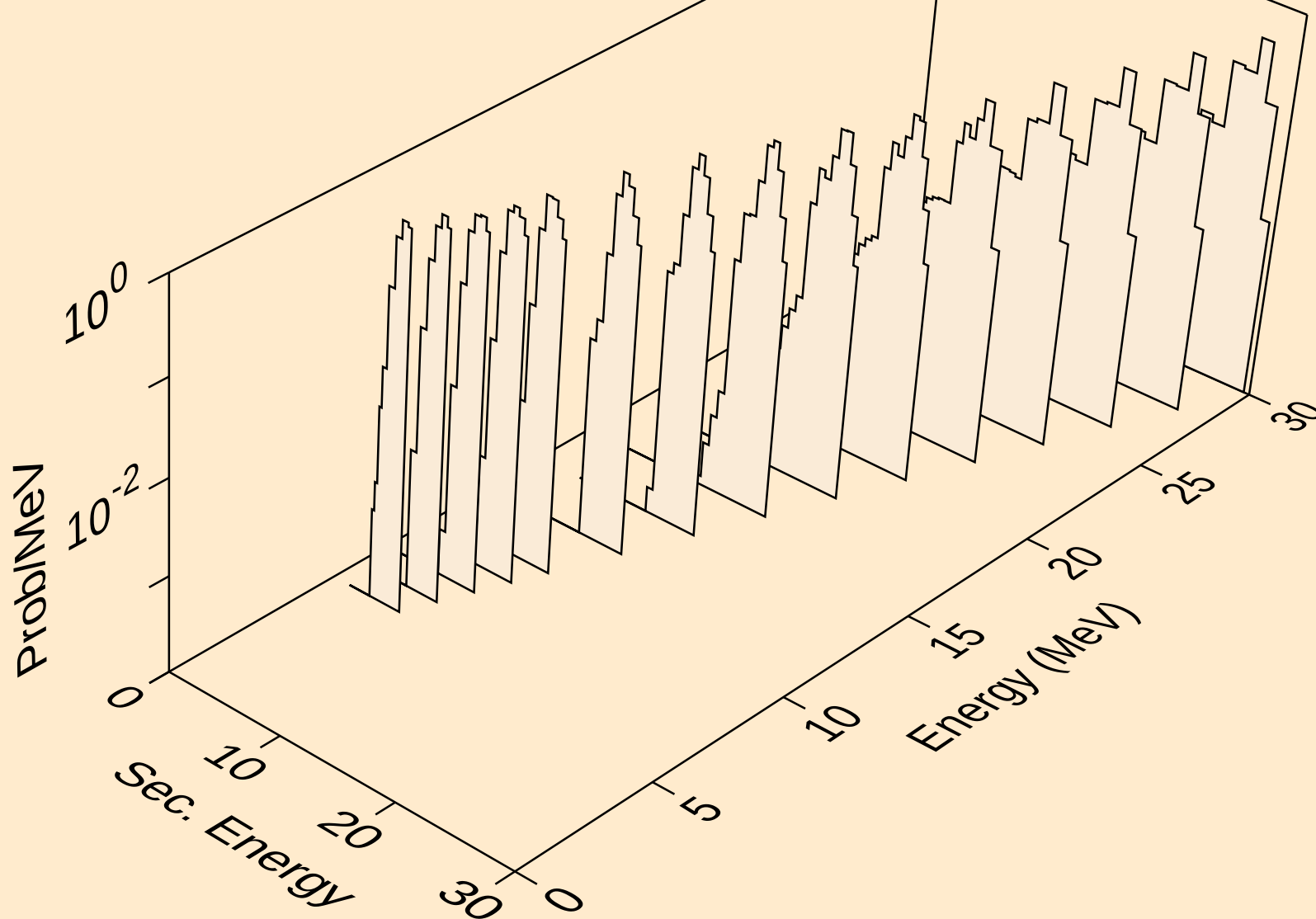
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for (s,x)



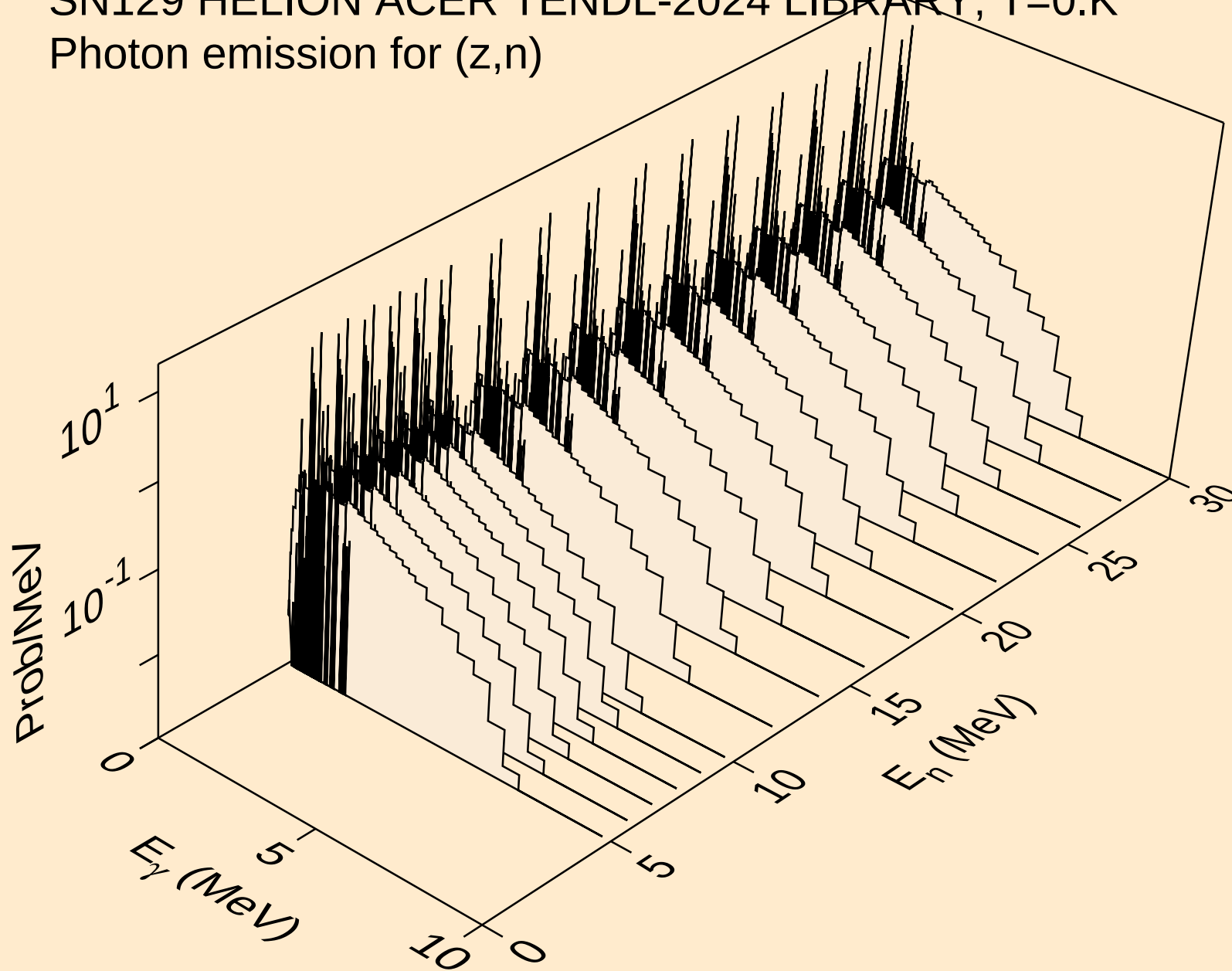
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3



SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for inelastic

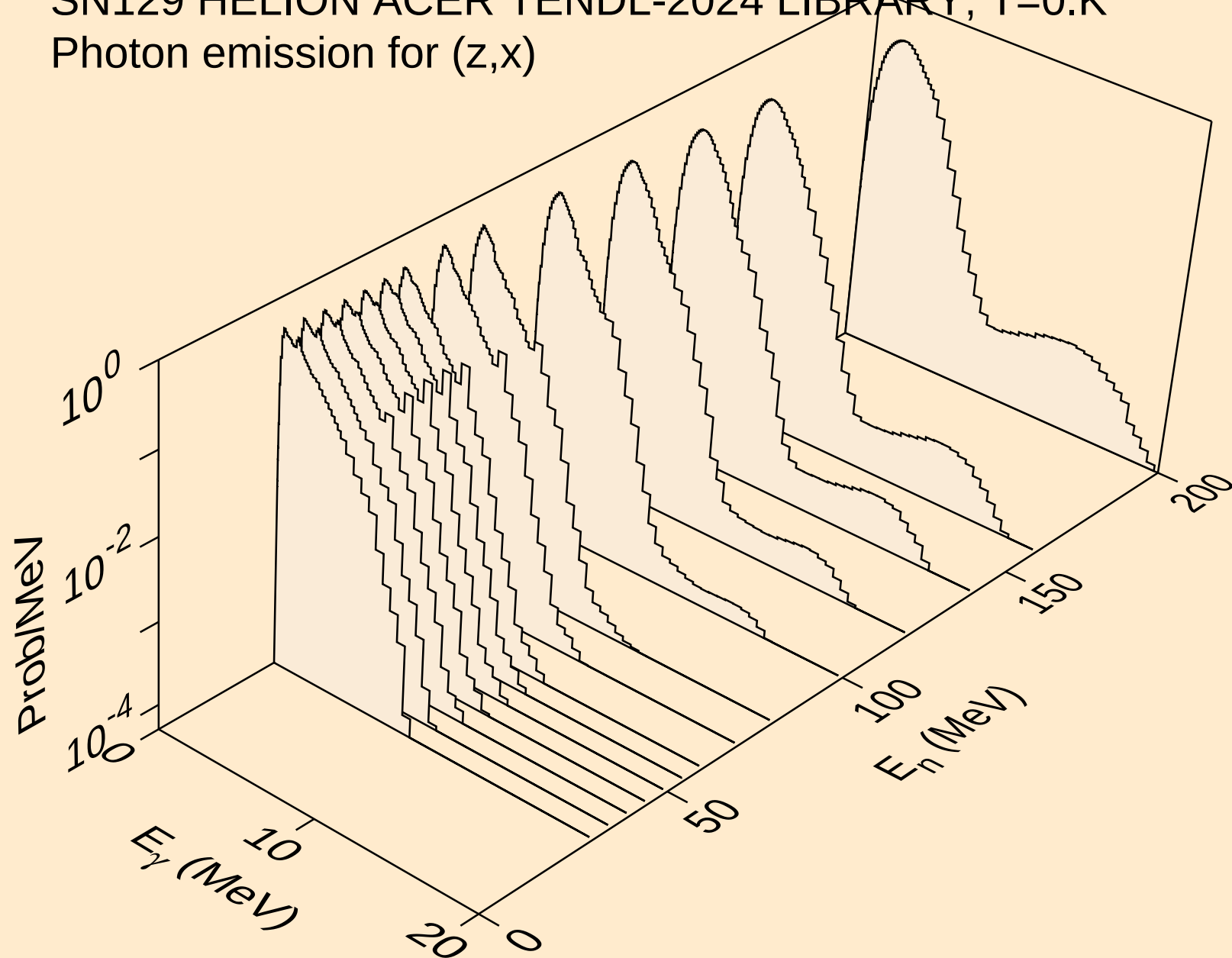


SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,n)

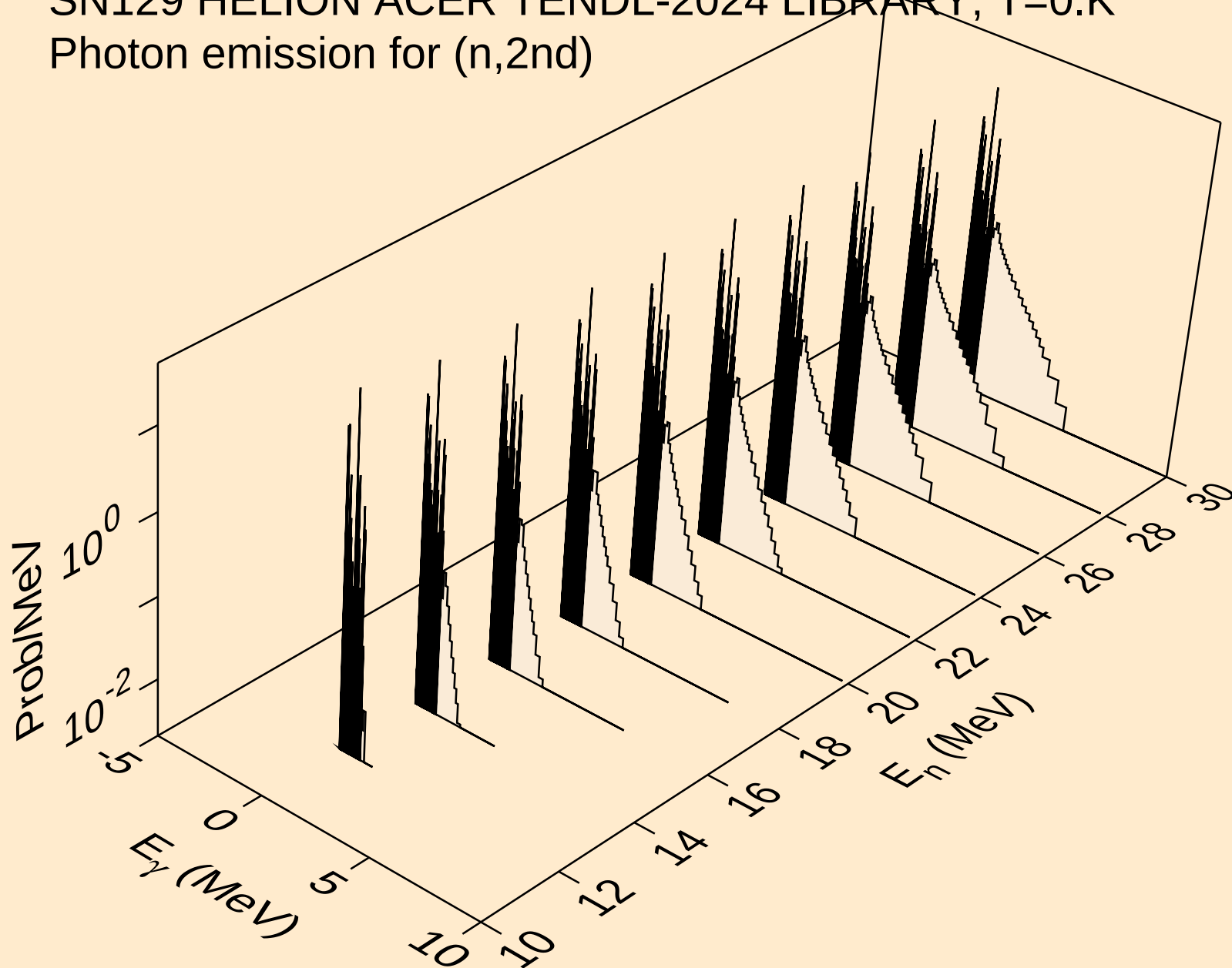


SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K

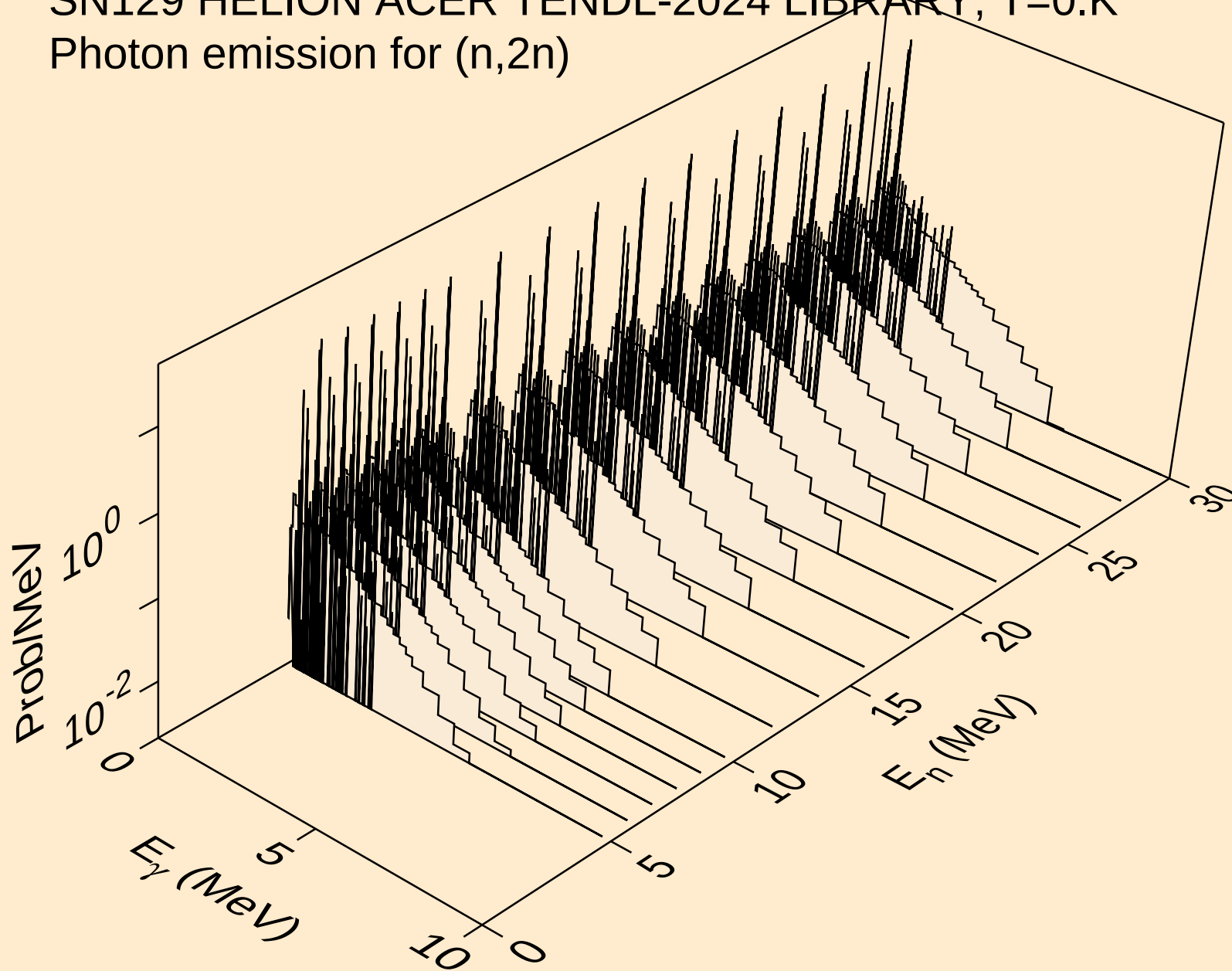
Photon emission for (z,x)



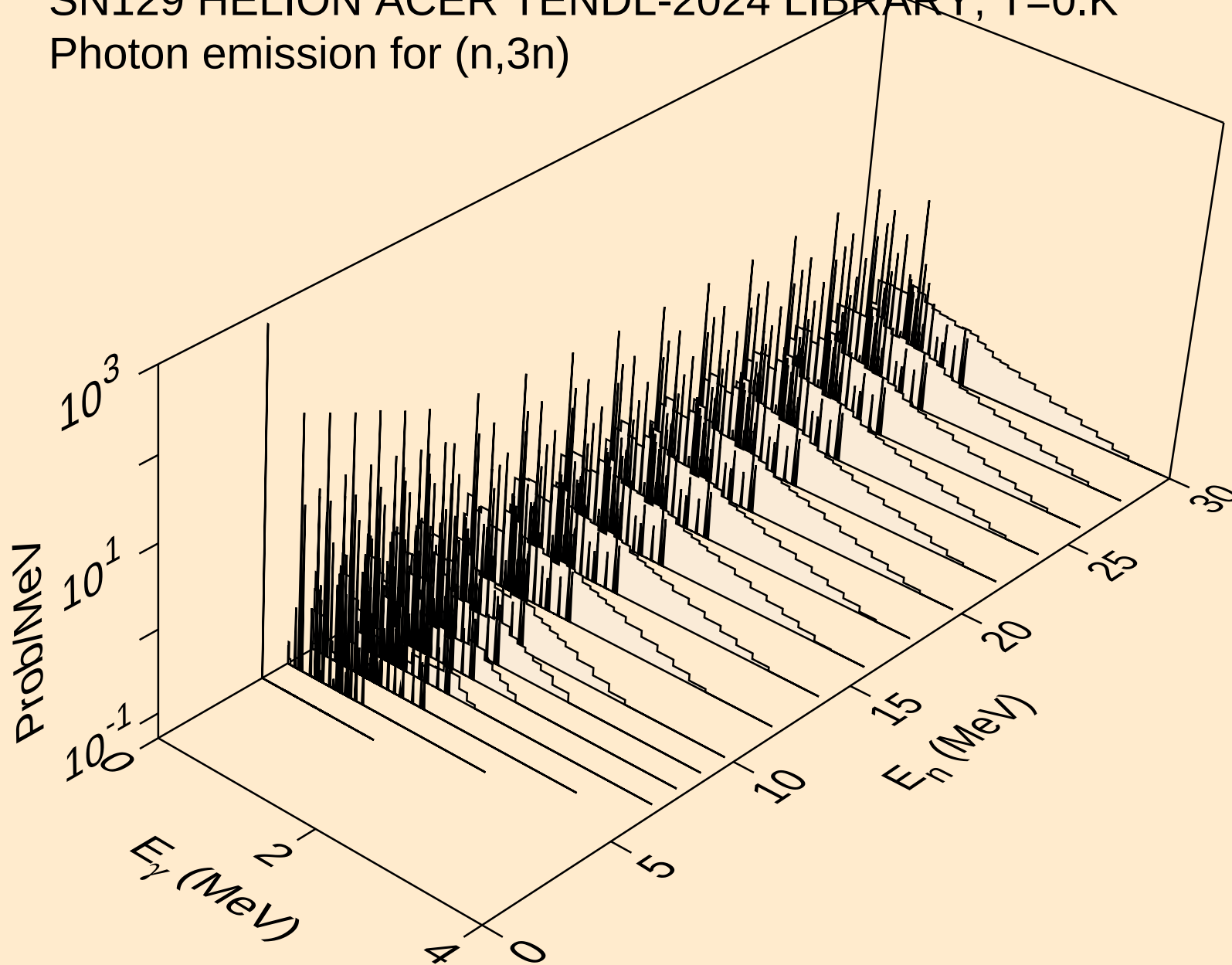
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)

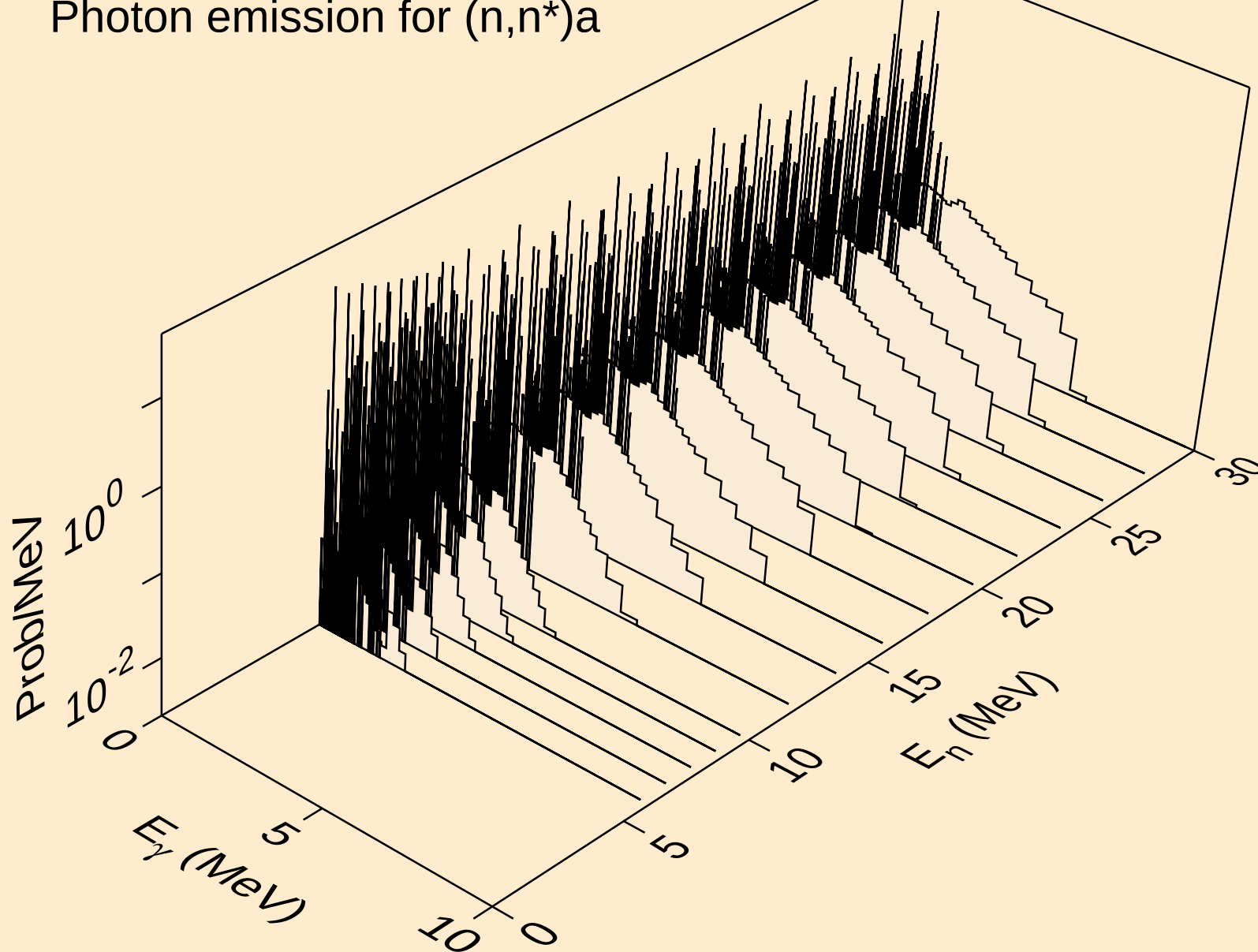


SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



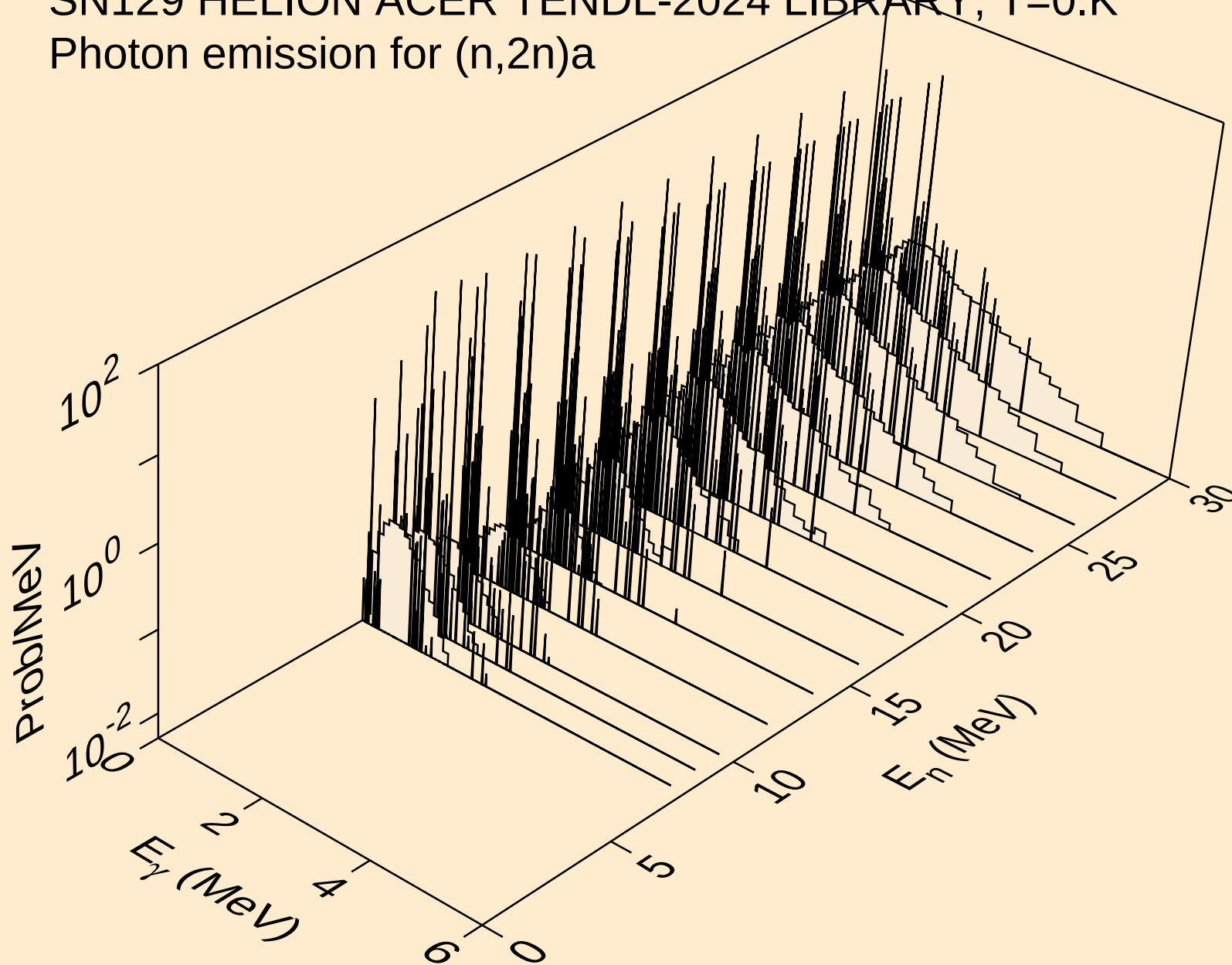
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)a



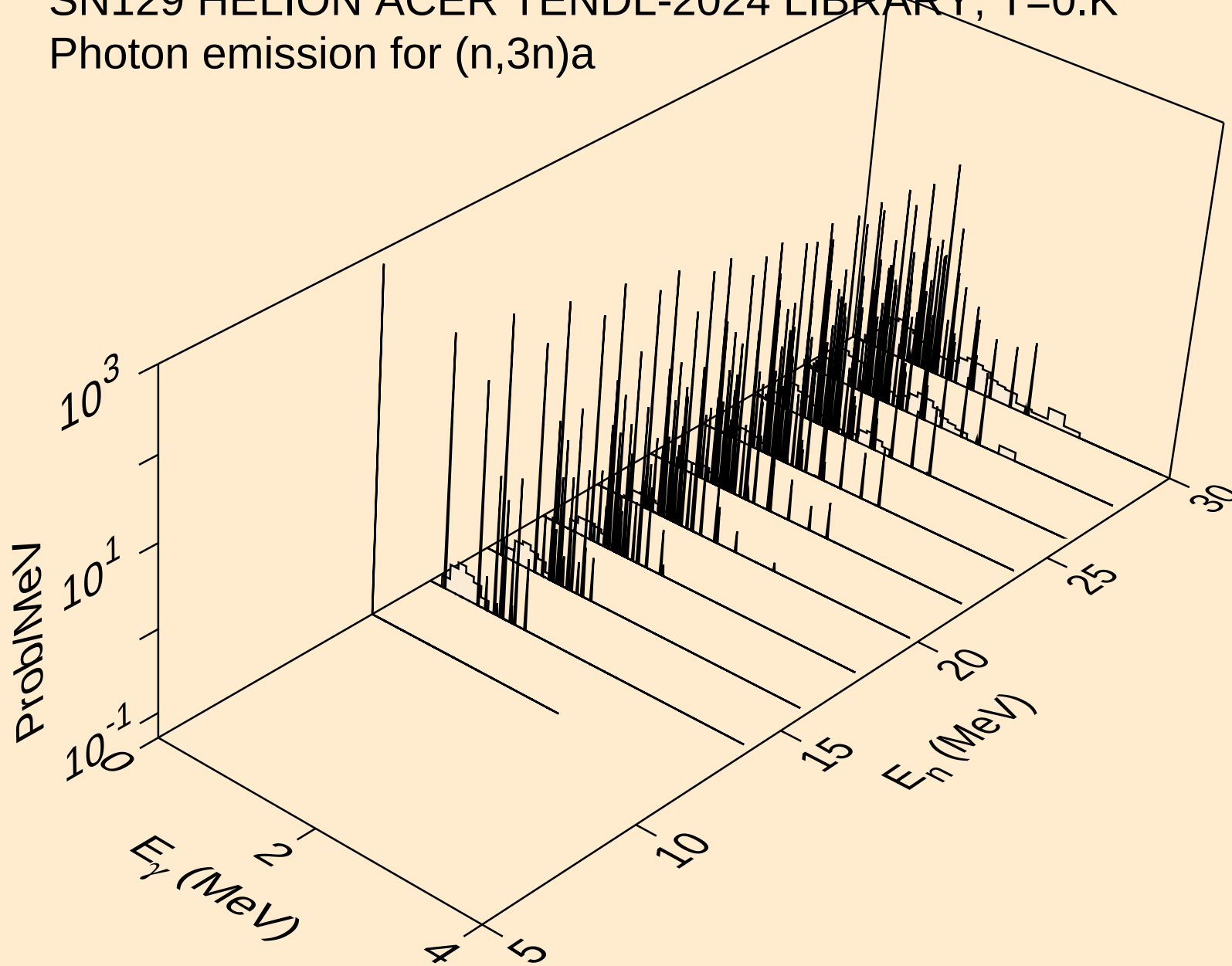
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K

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



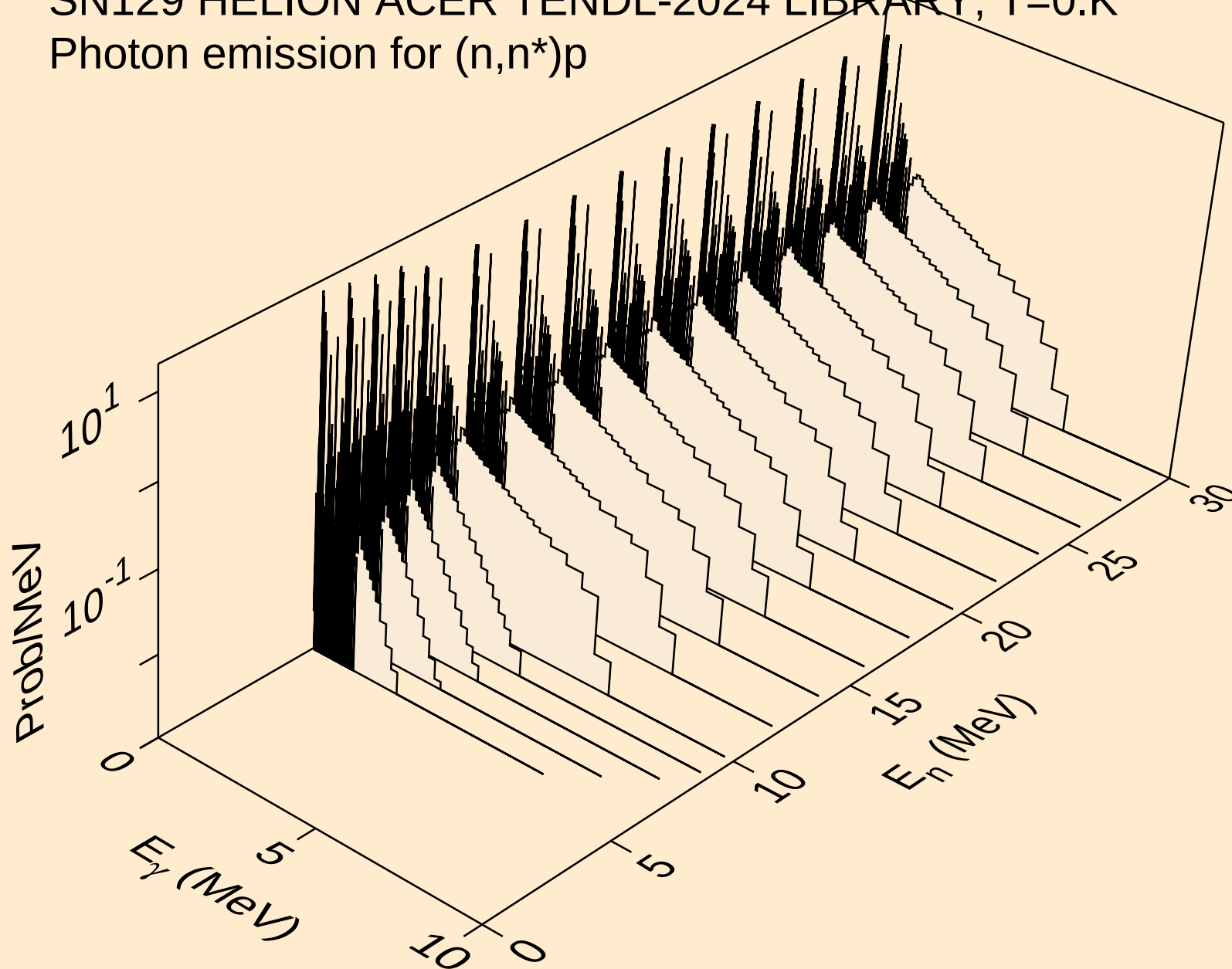
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,3n)a



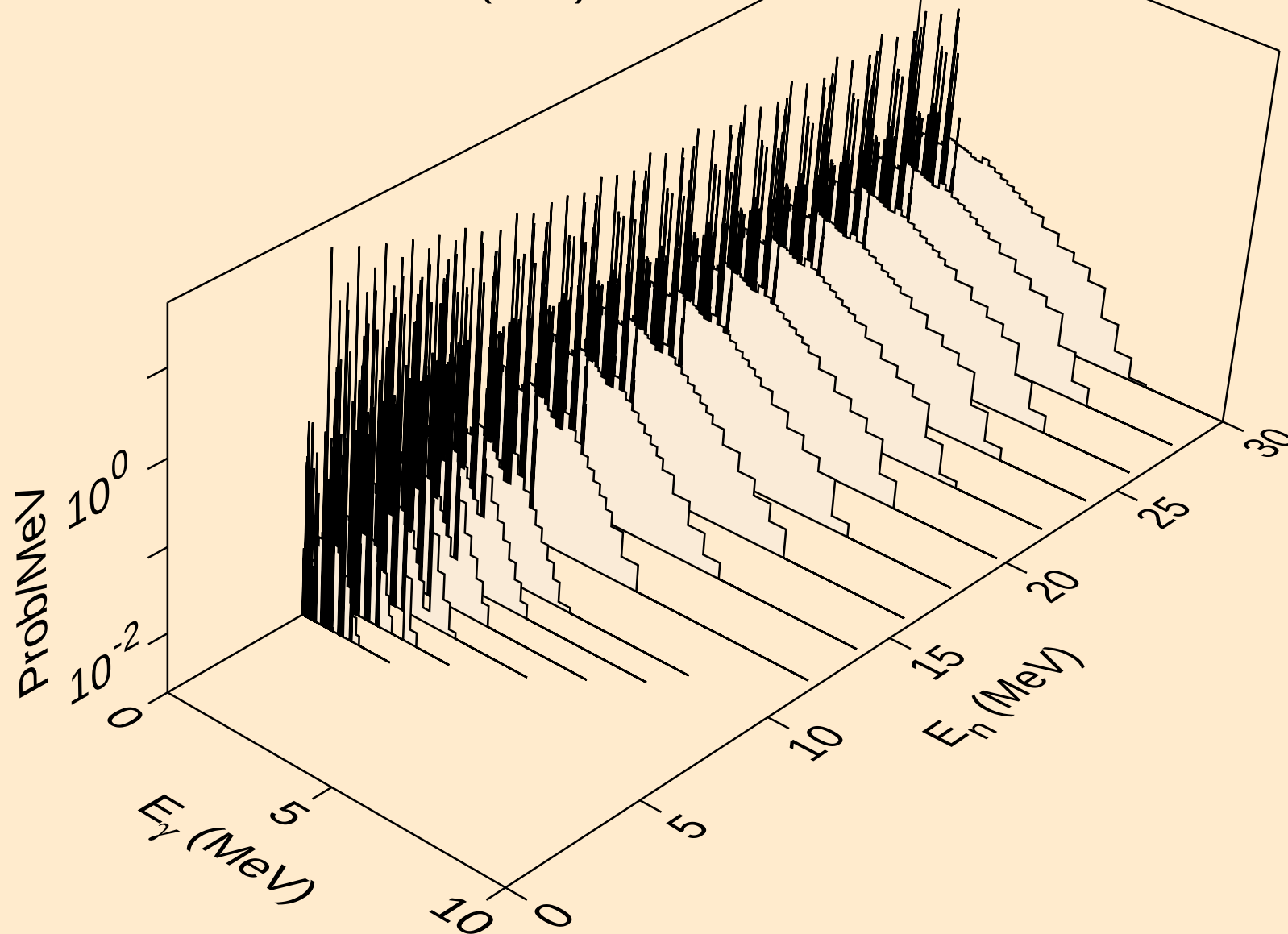
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)p



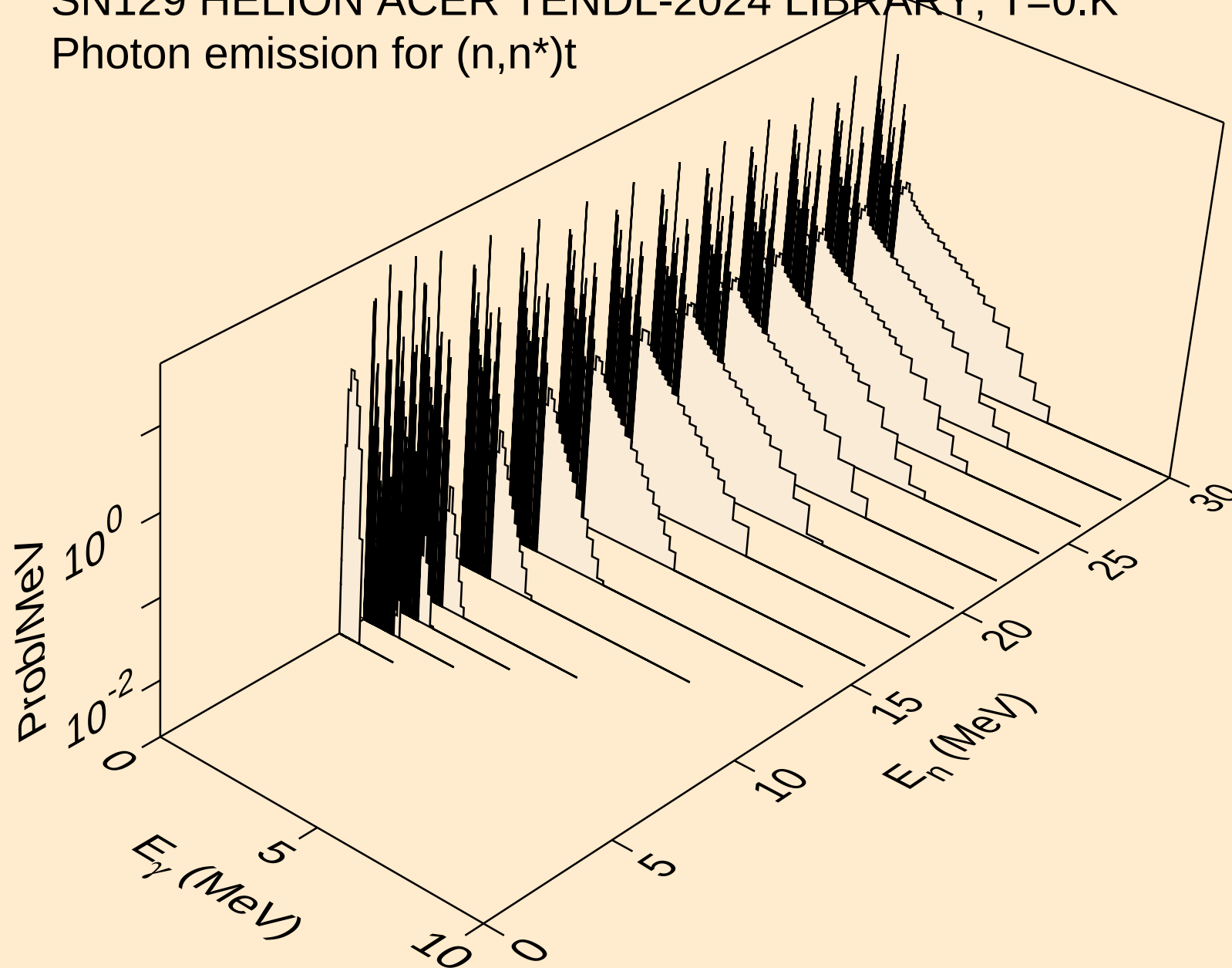
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)d



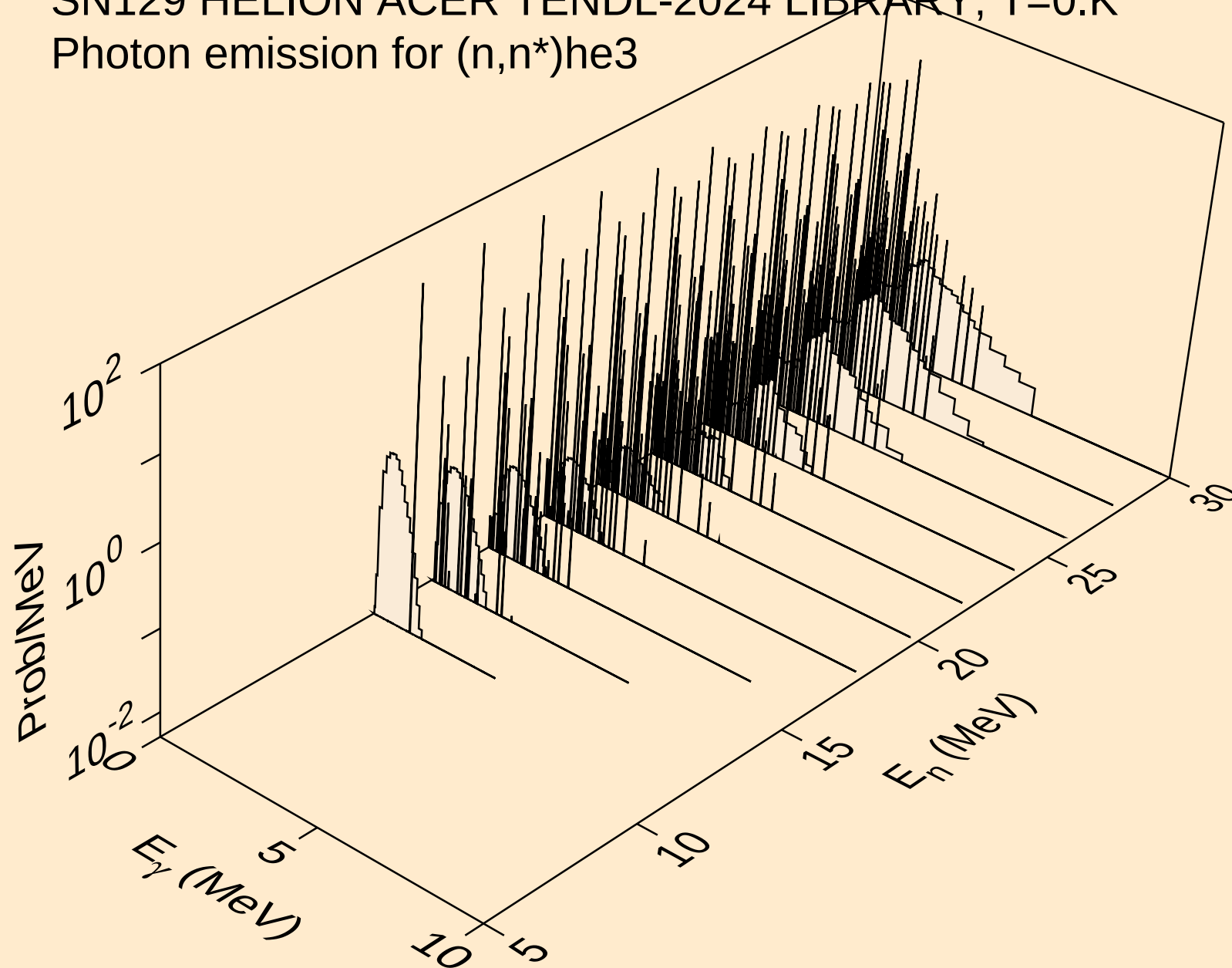
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)t

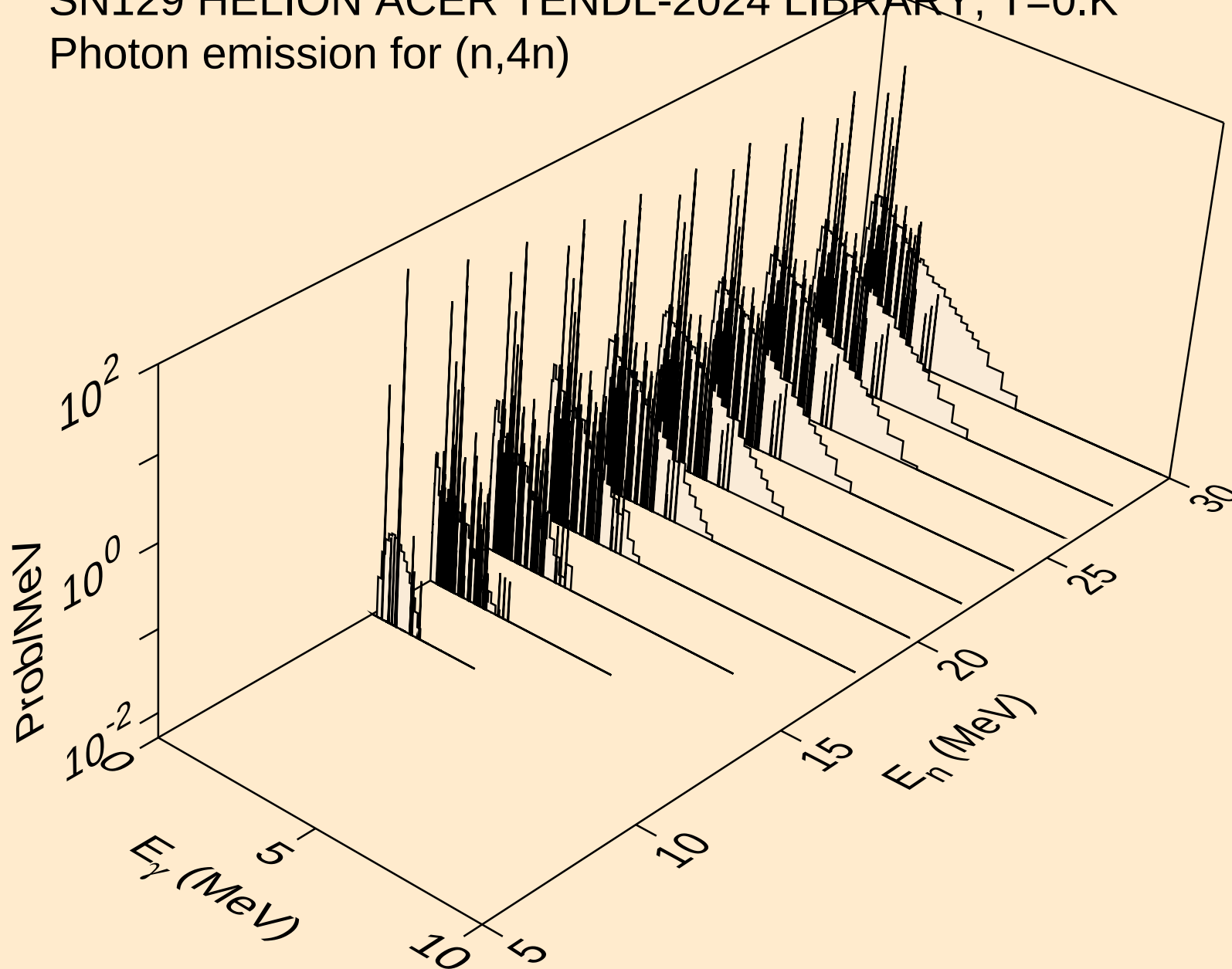


SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K

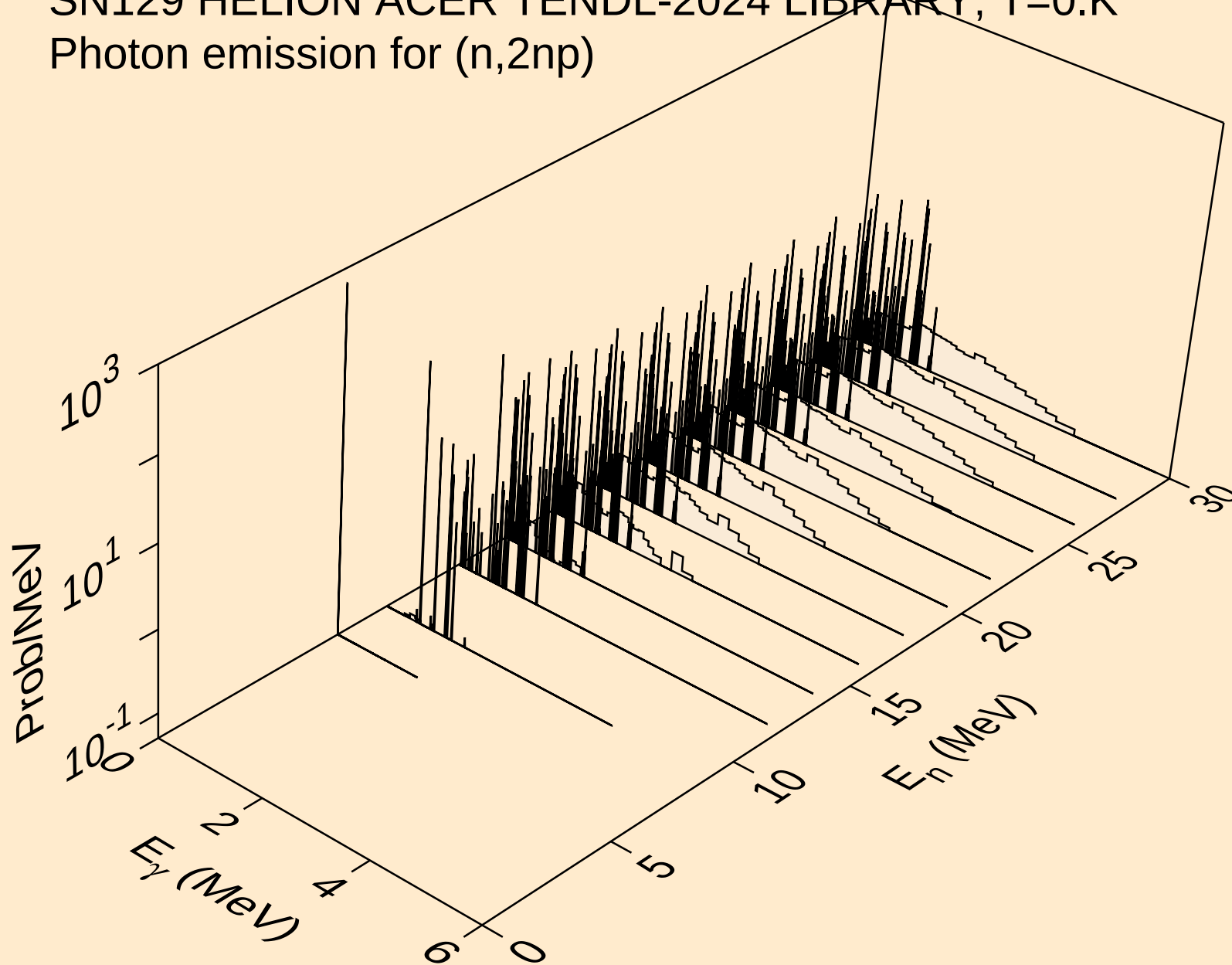
Photon emission for (n,n\*)he3



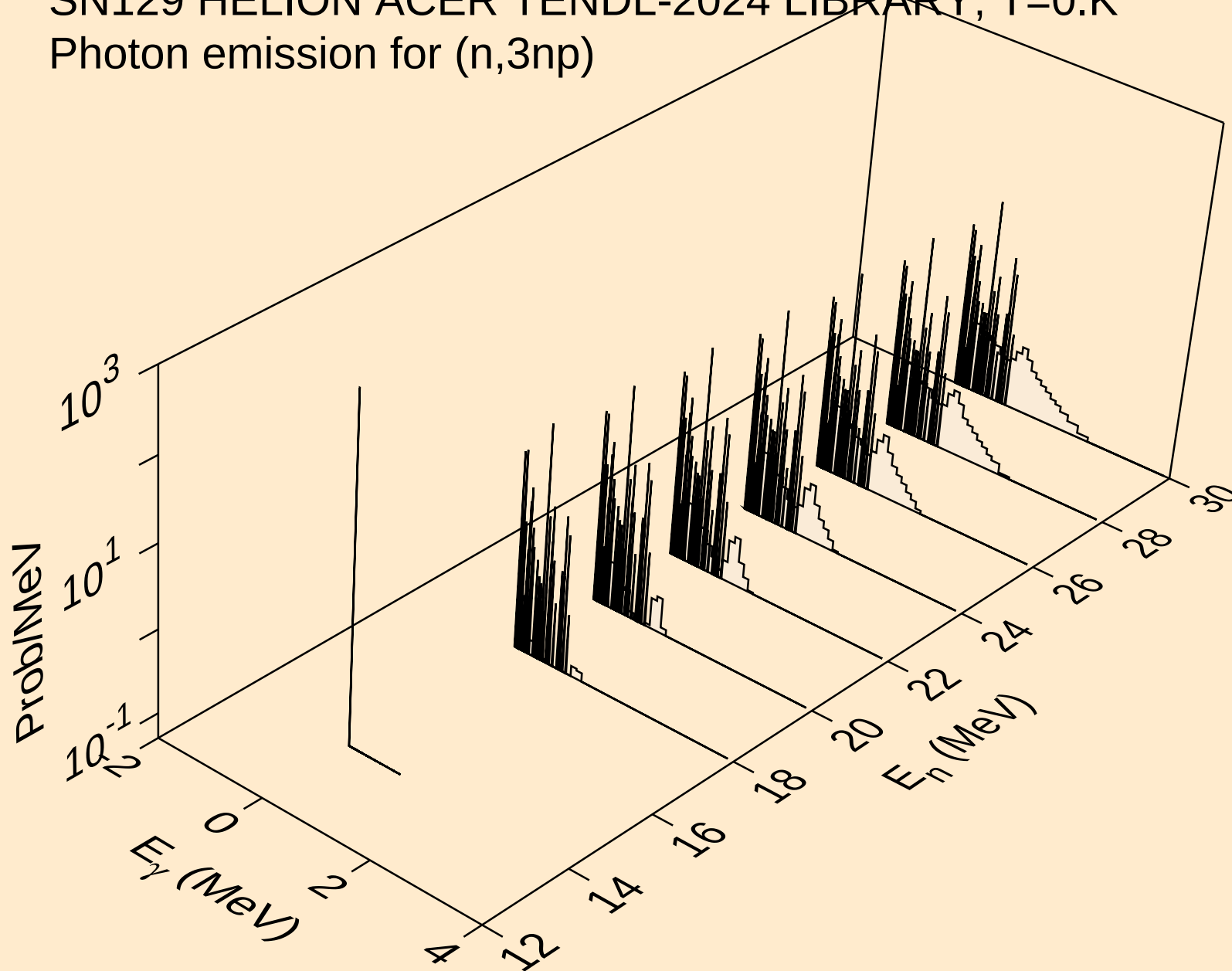
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



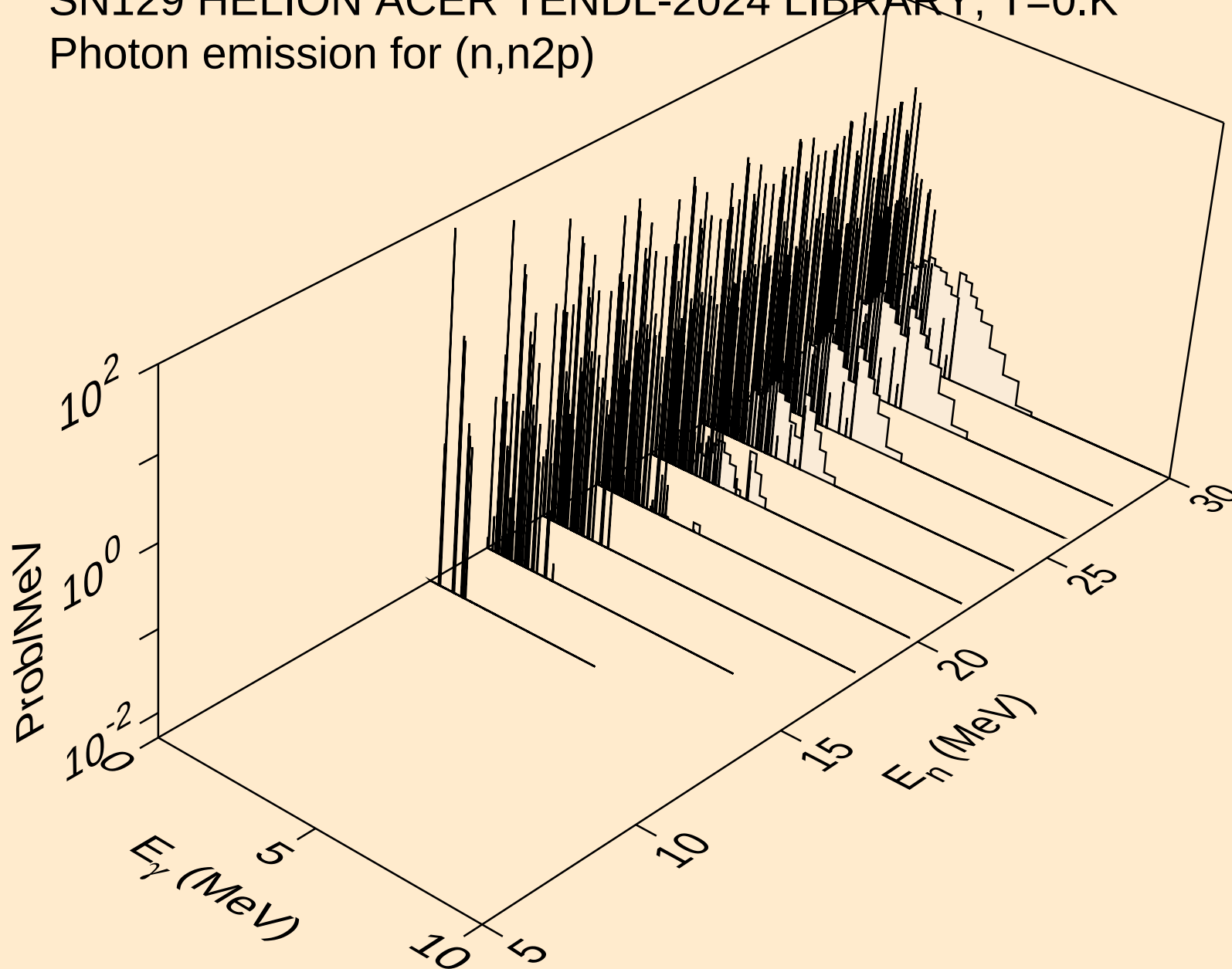
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



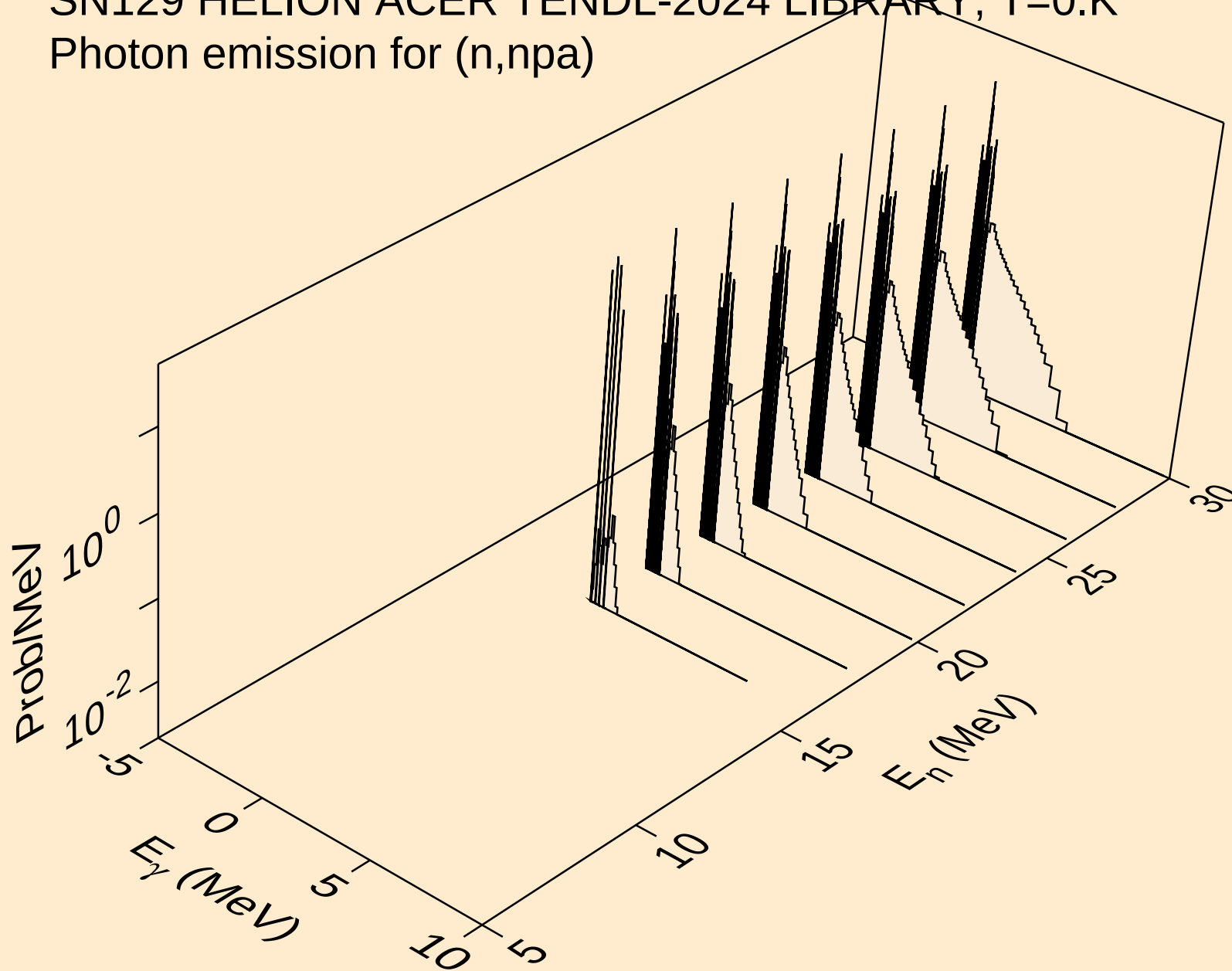
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



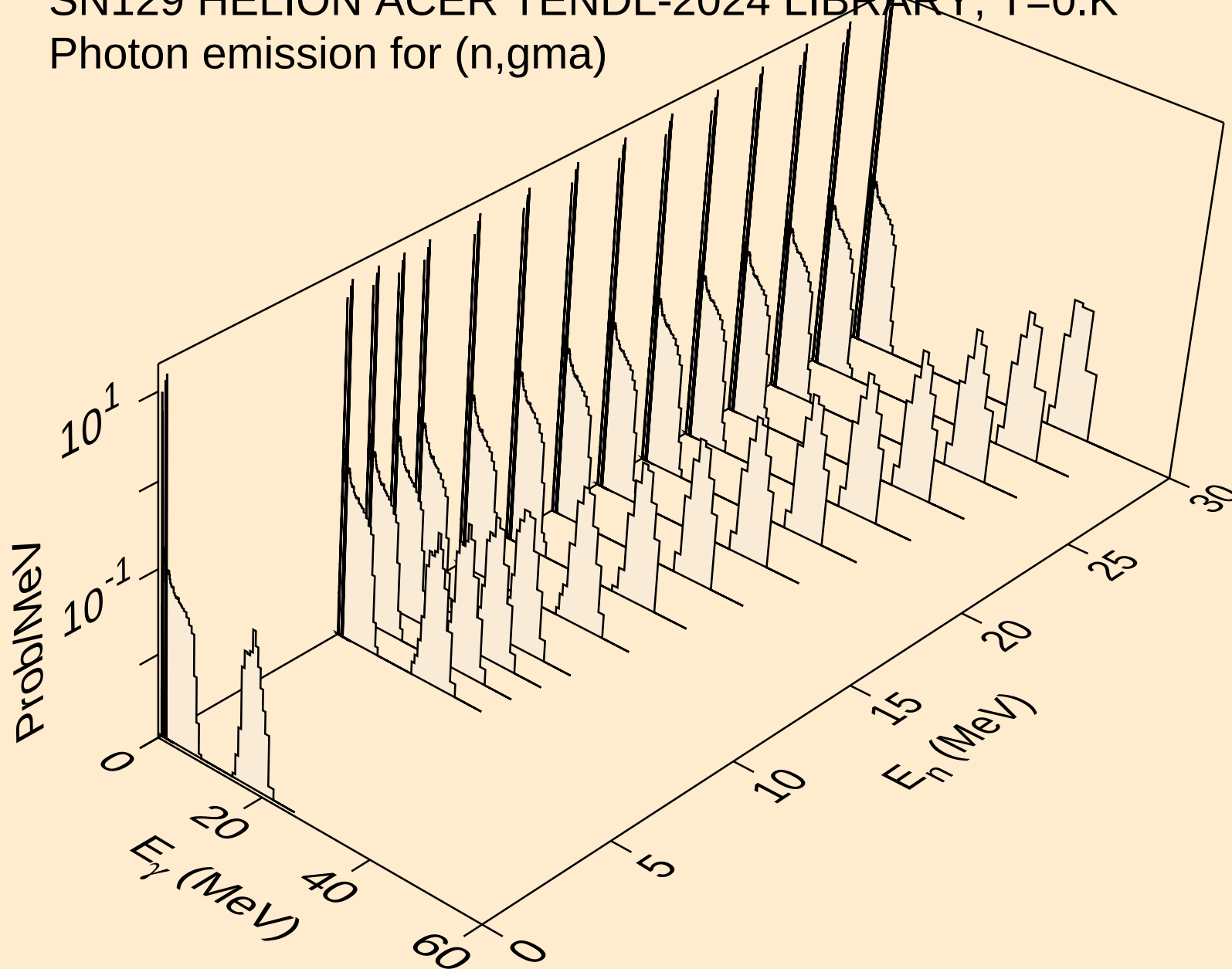
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)

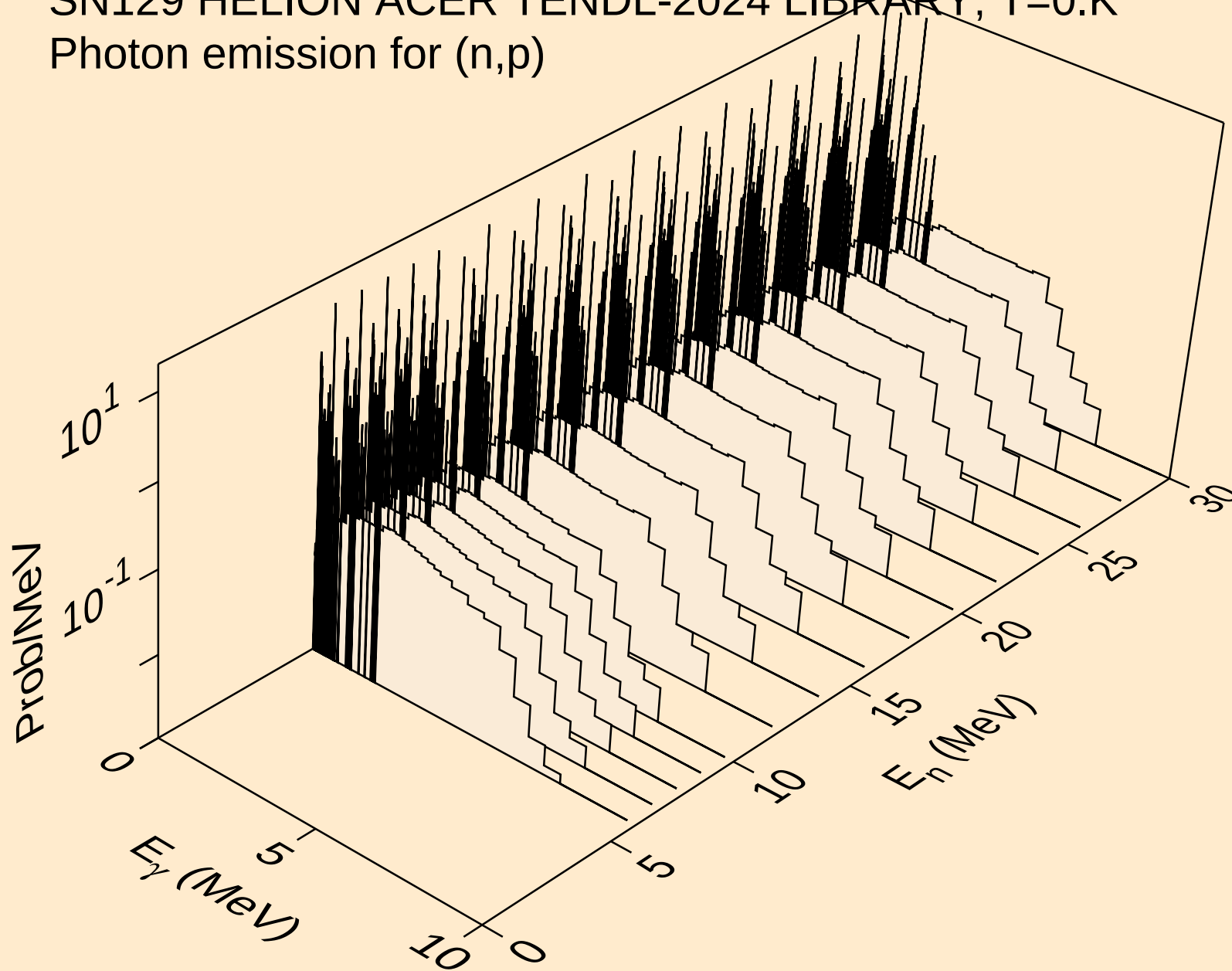


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Photon emission for (n,gma)

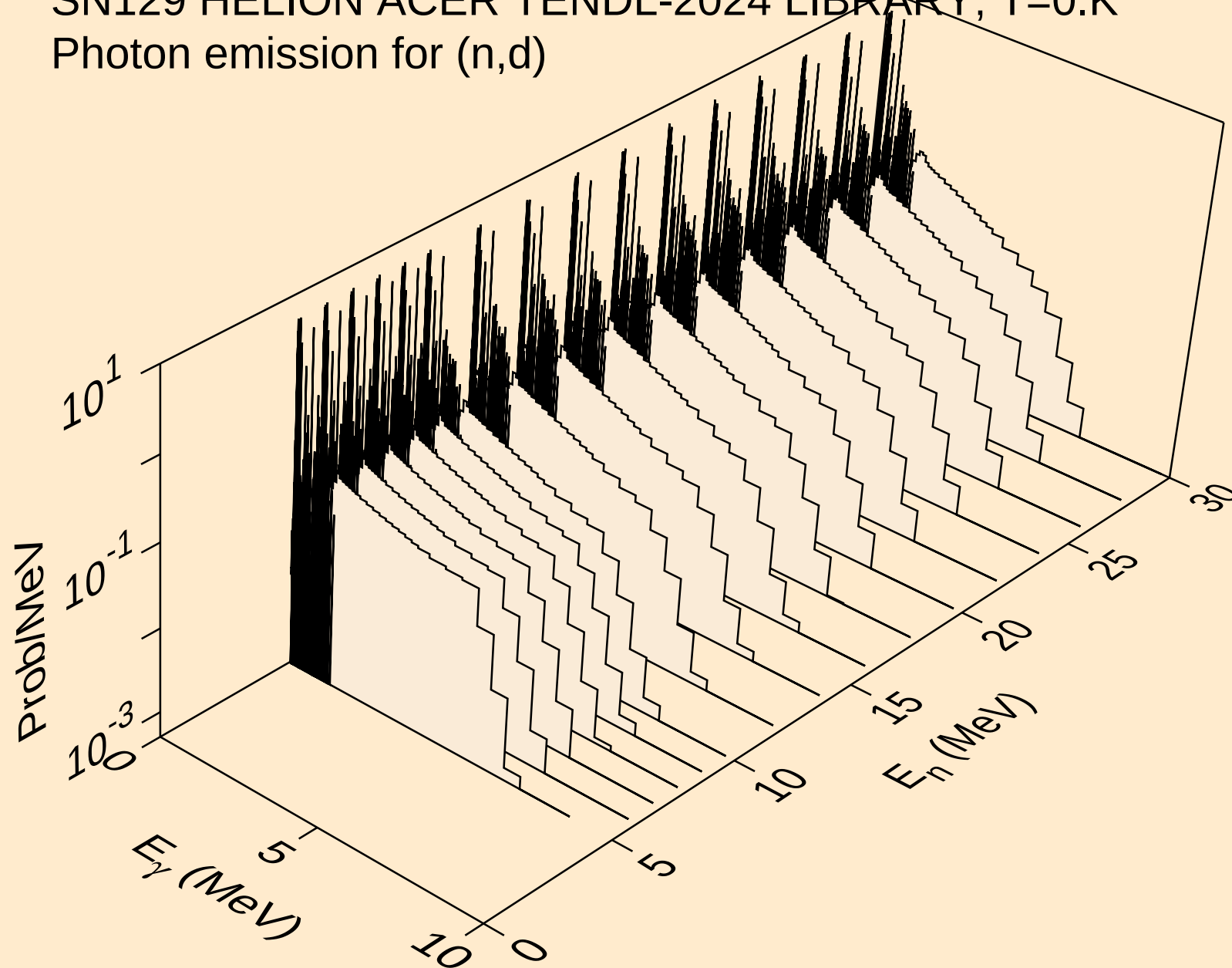


SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,p)

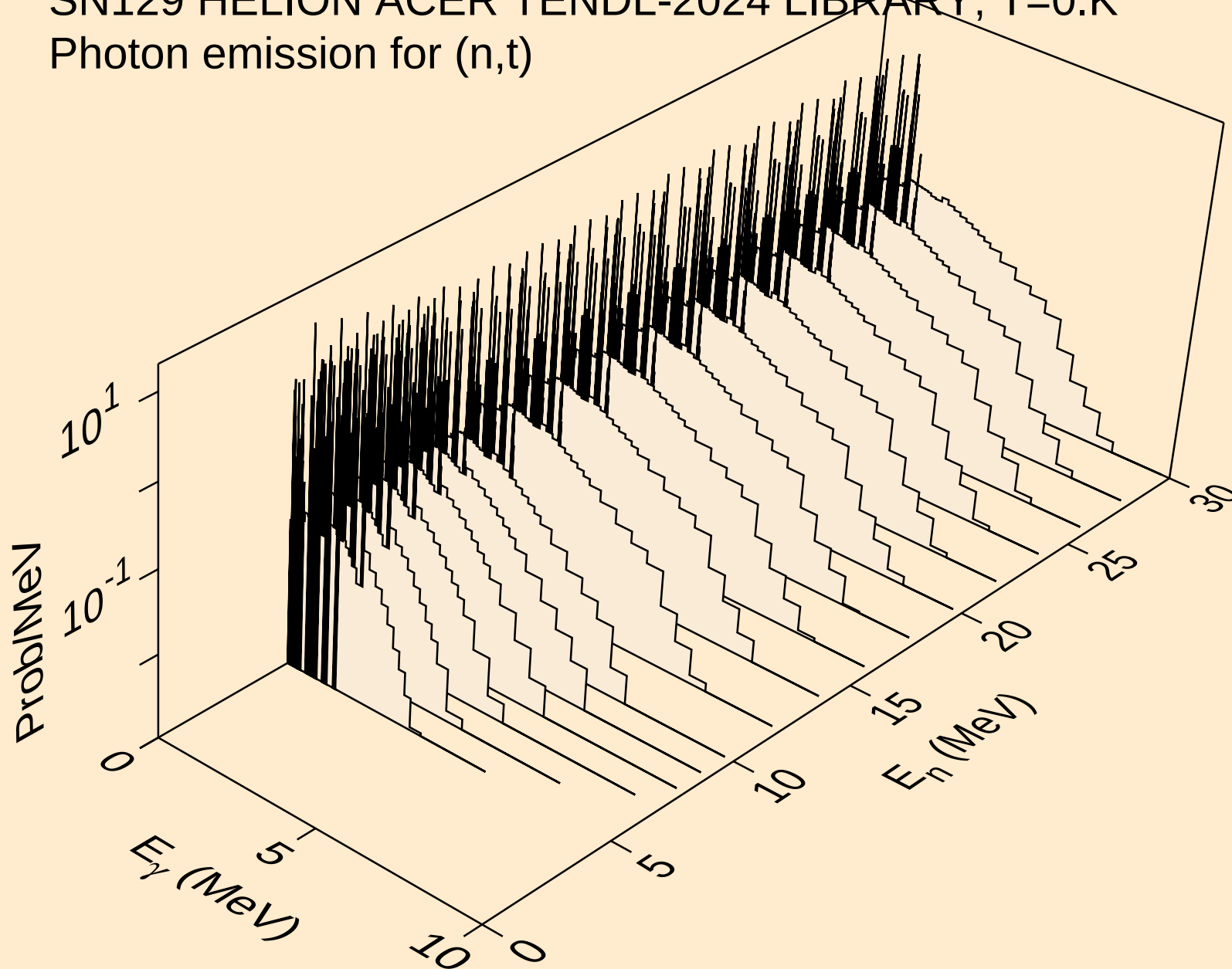


SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)

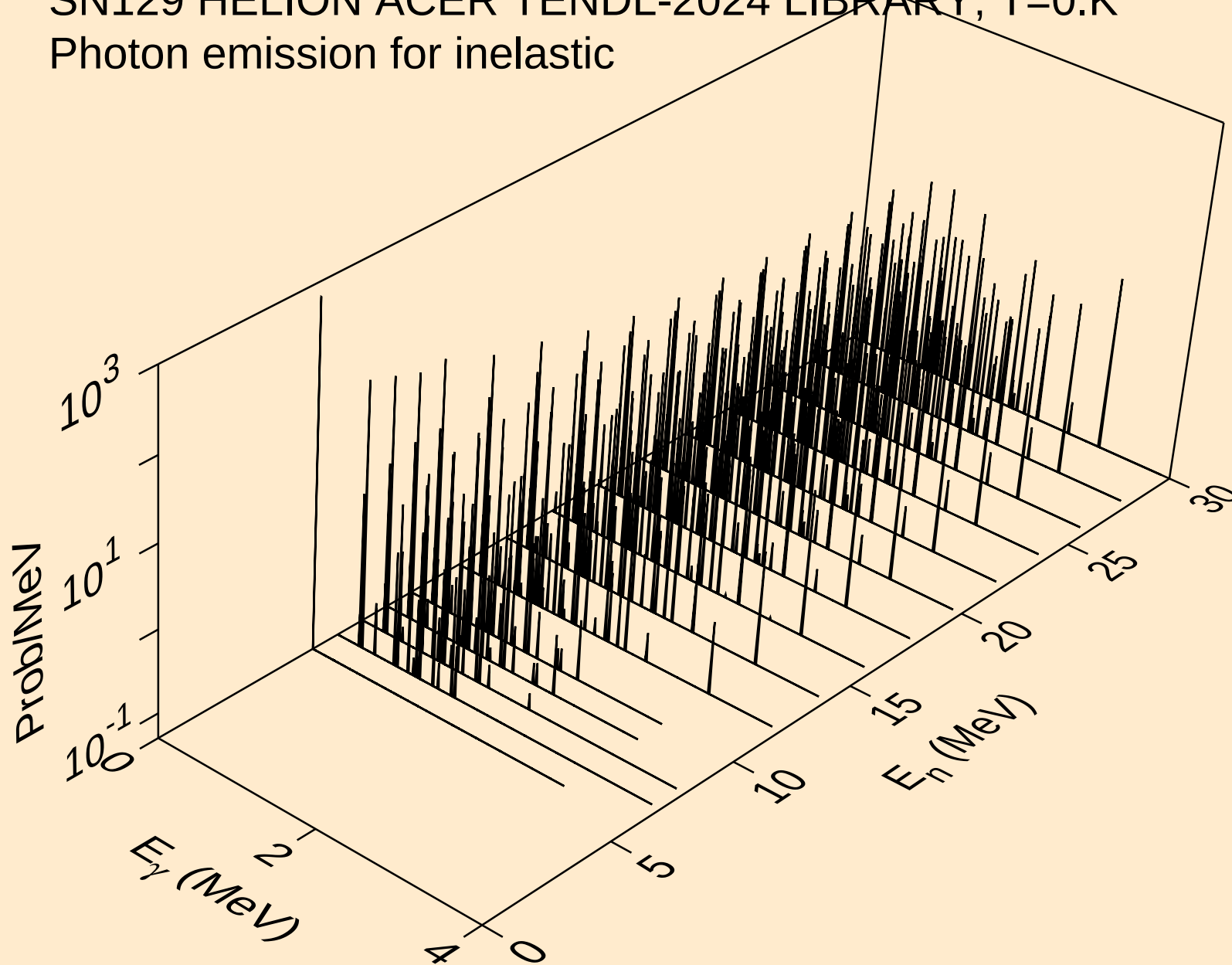


SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K

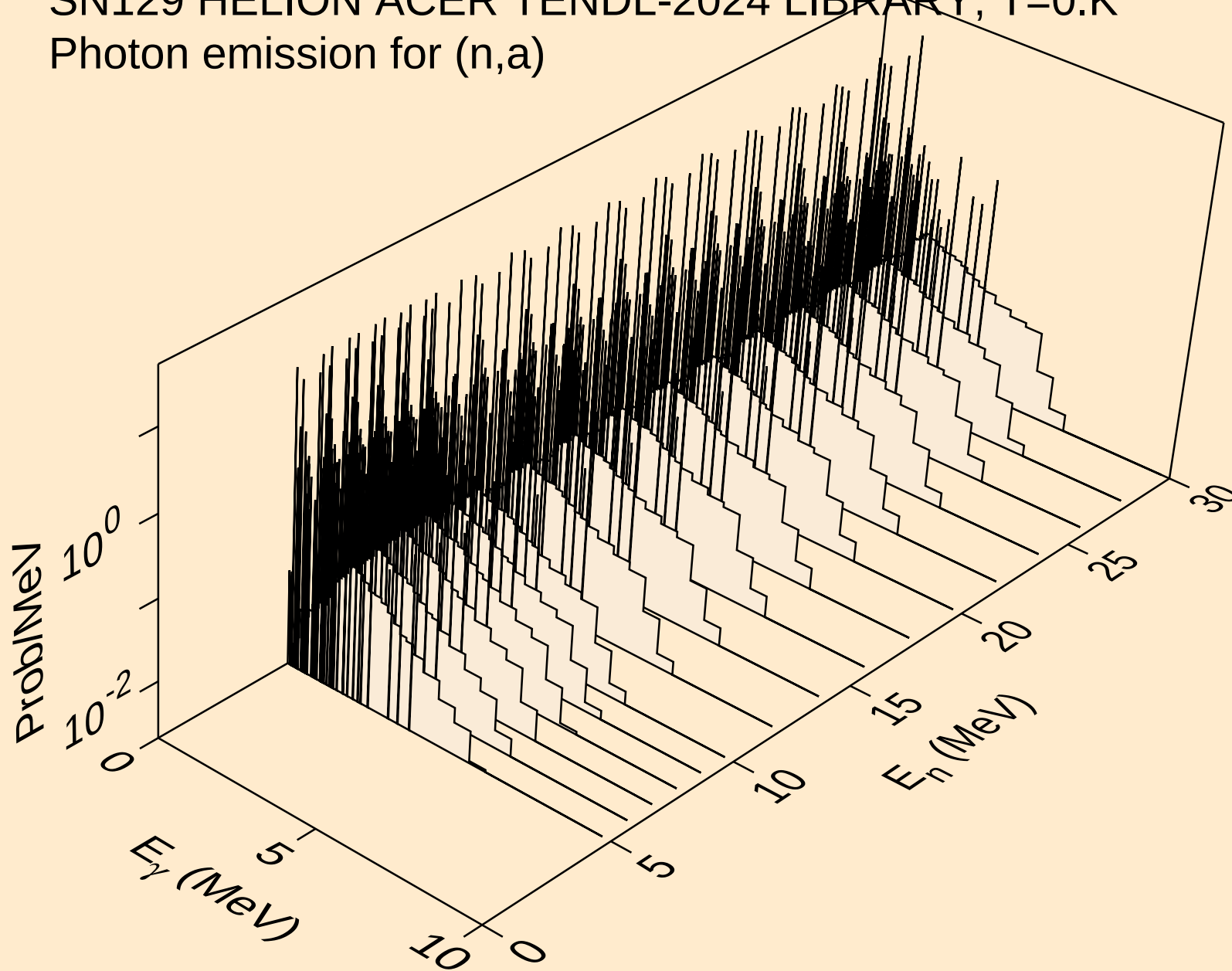
Photon emission for (n,t)



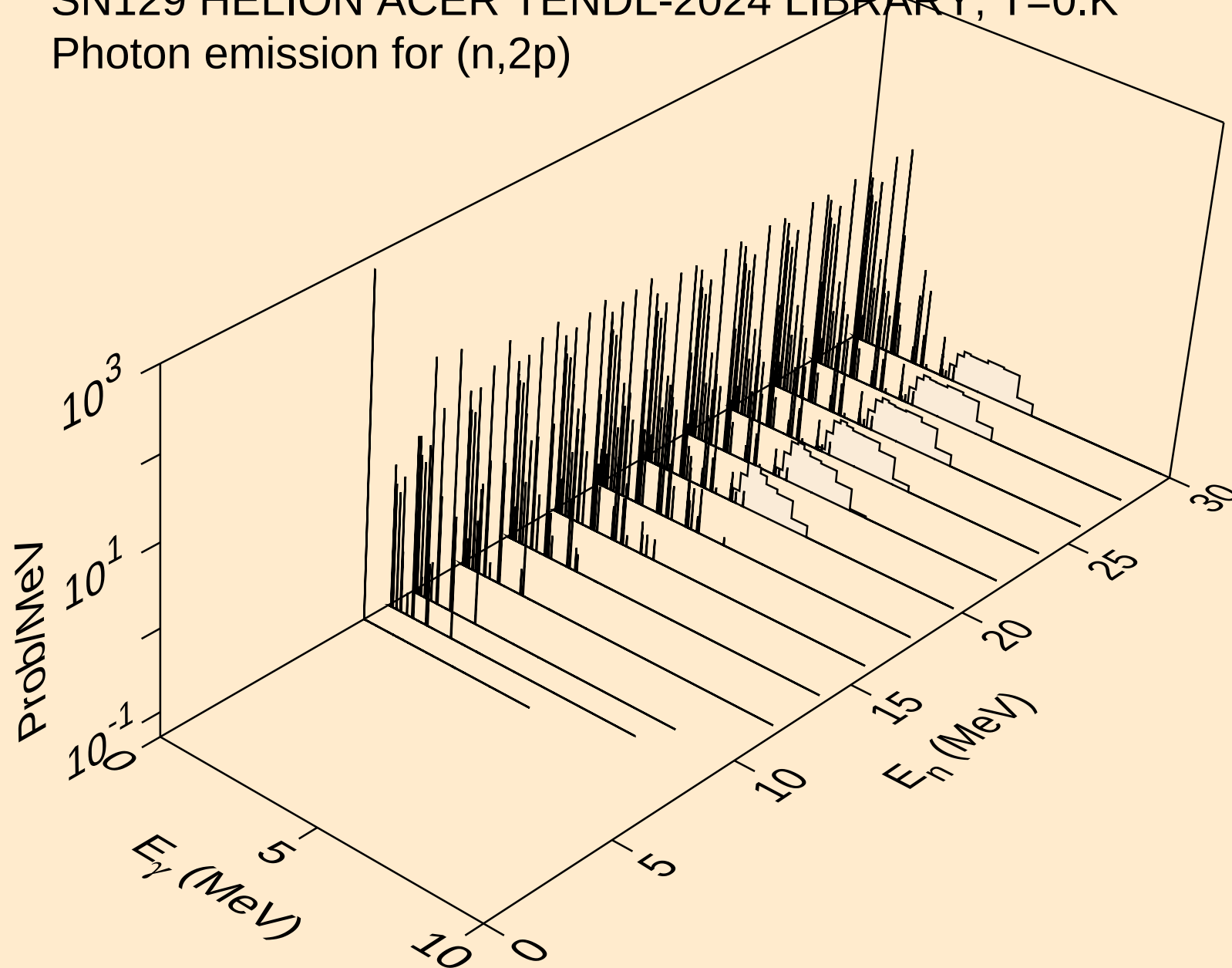
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for inelastic



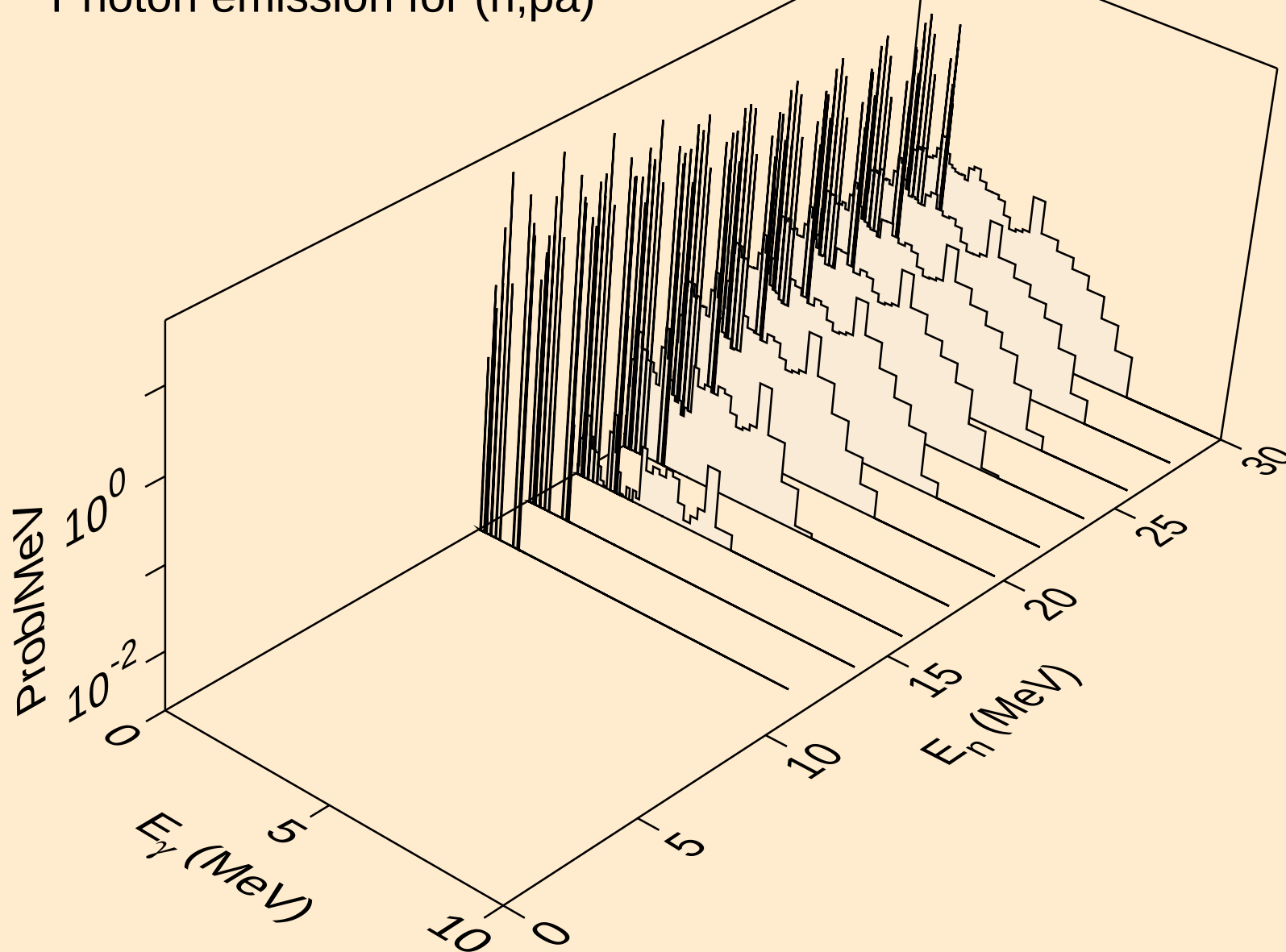
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



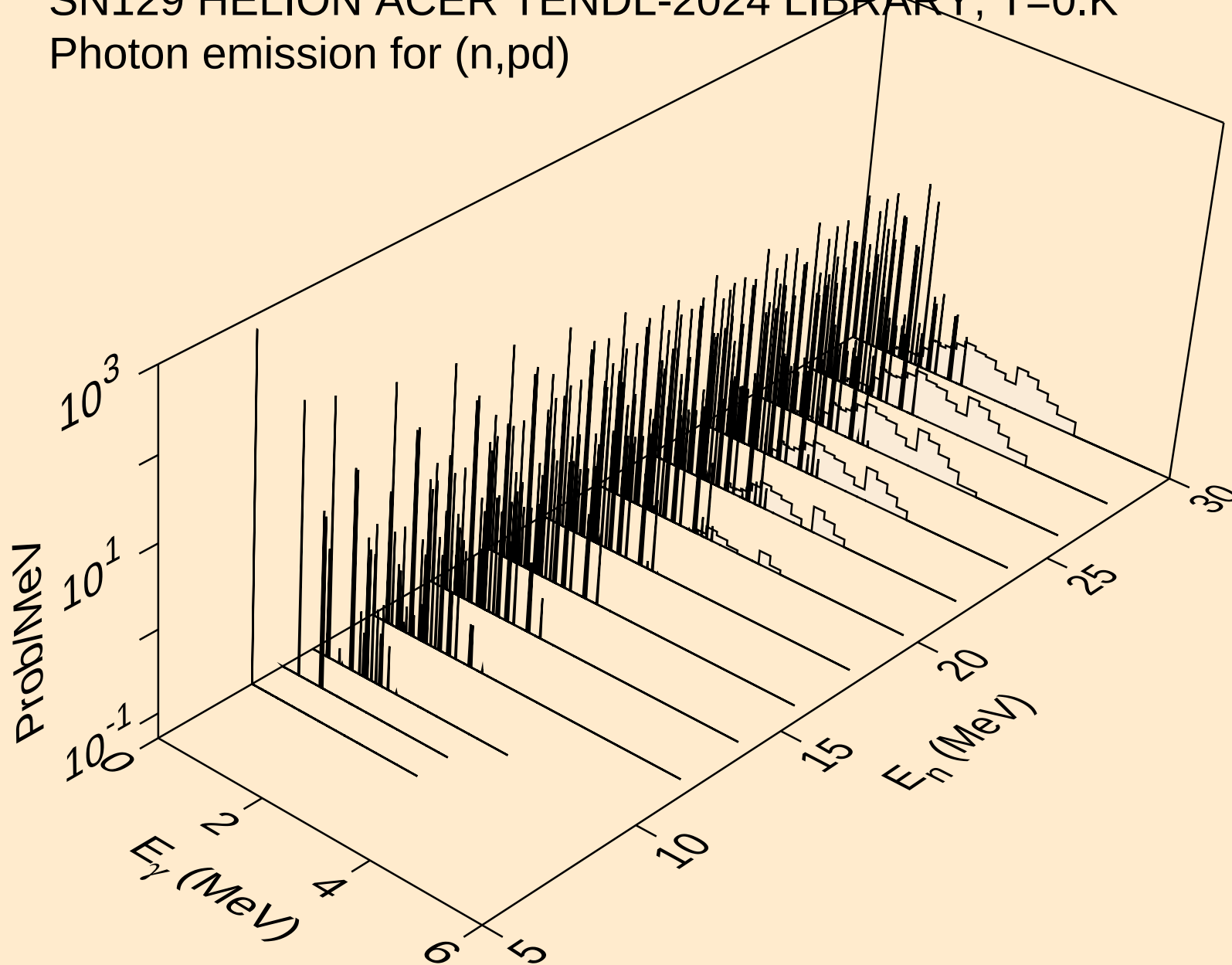
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pa)

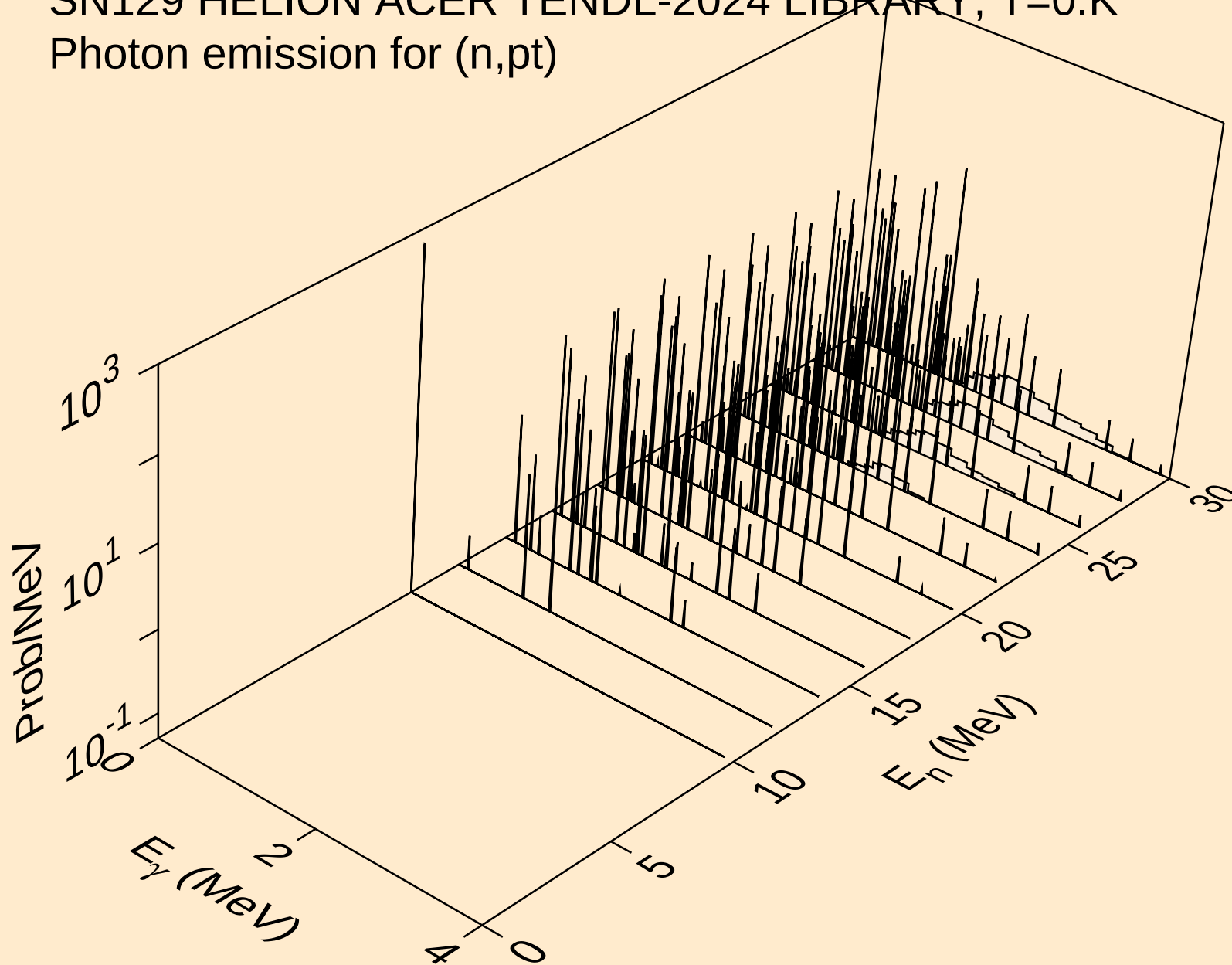


SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)

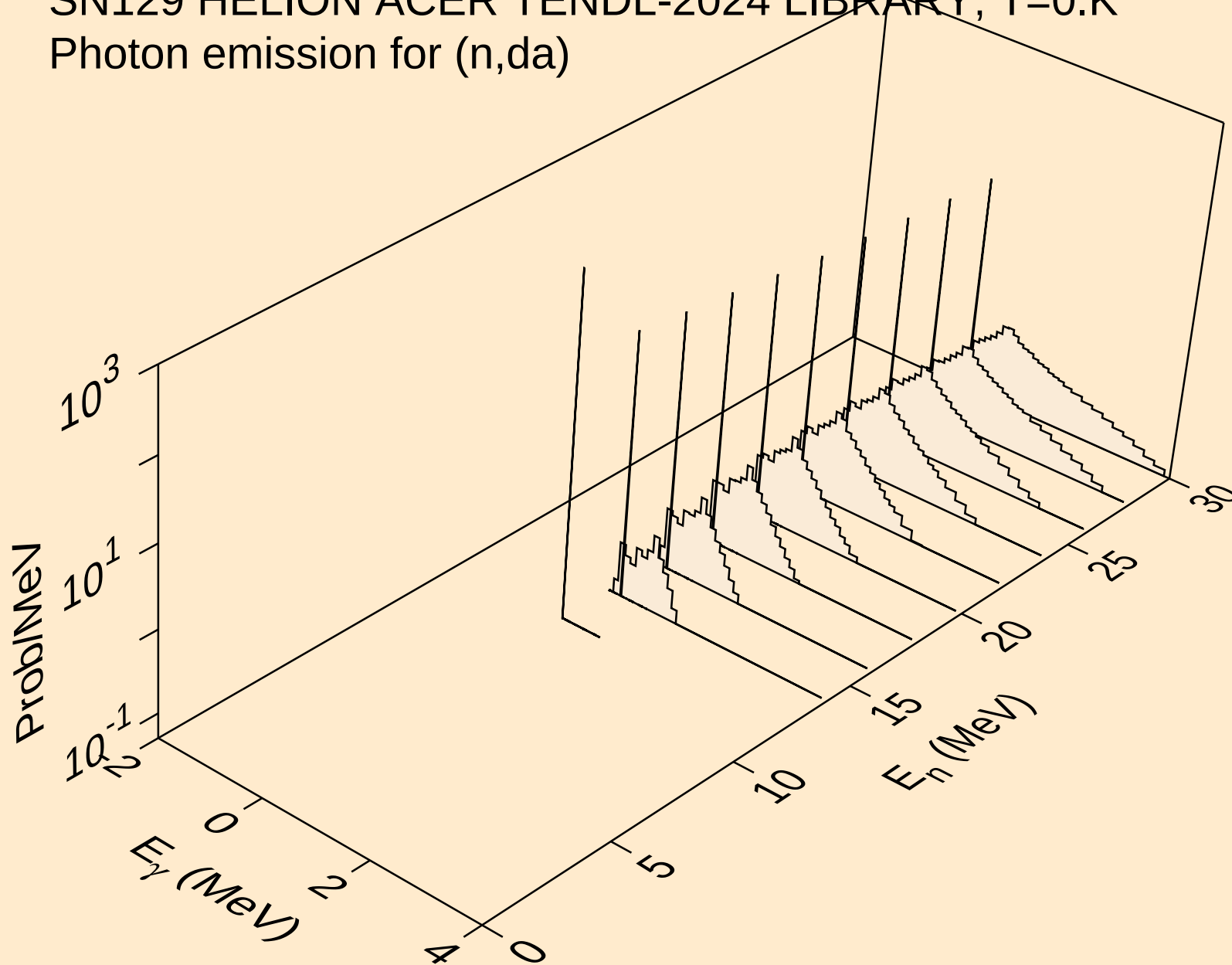


SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,pt)

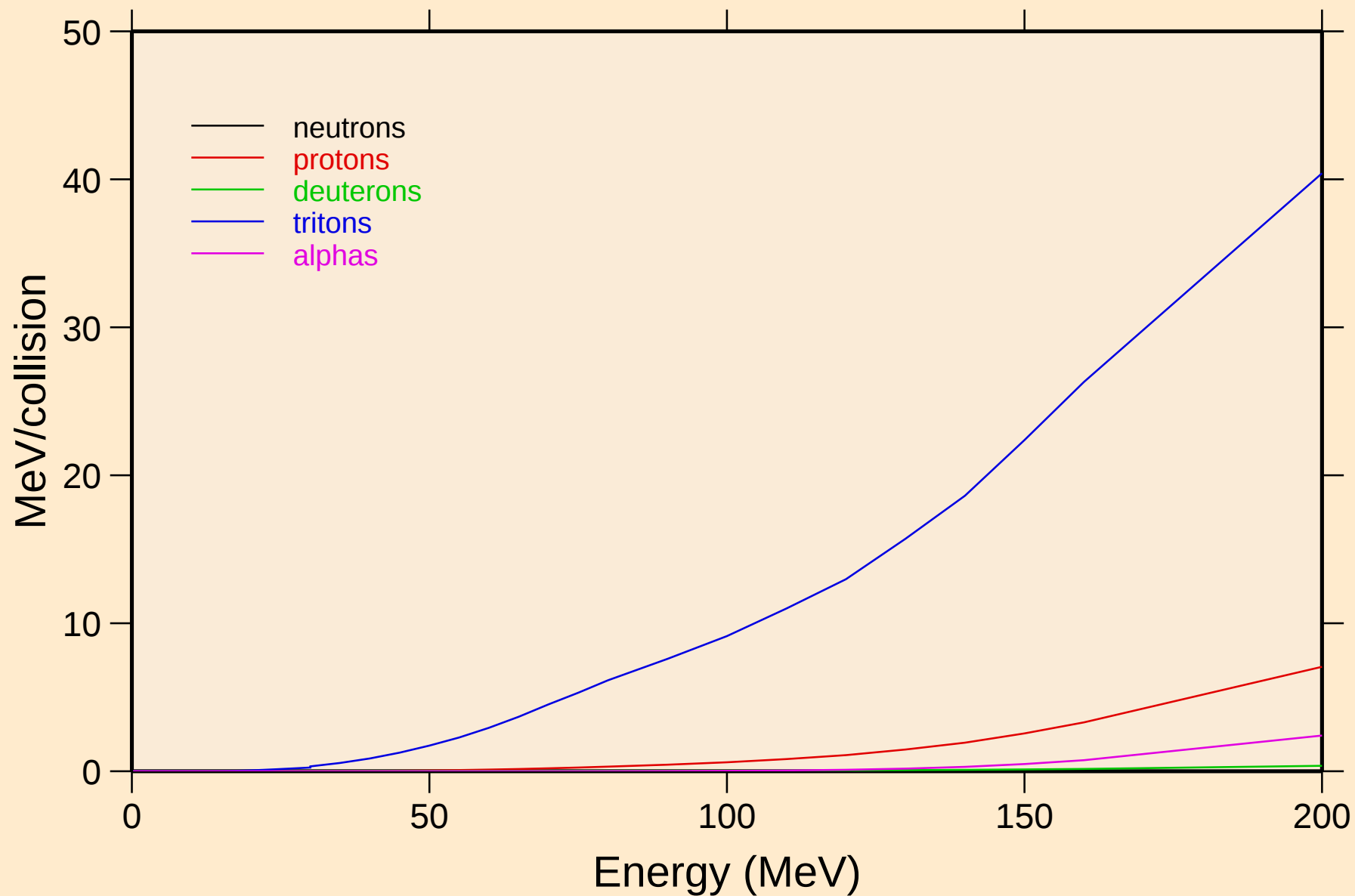


SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



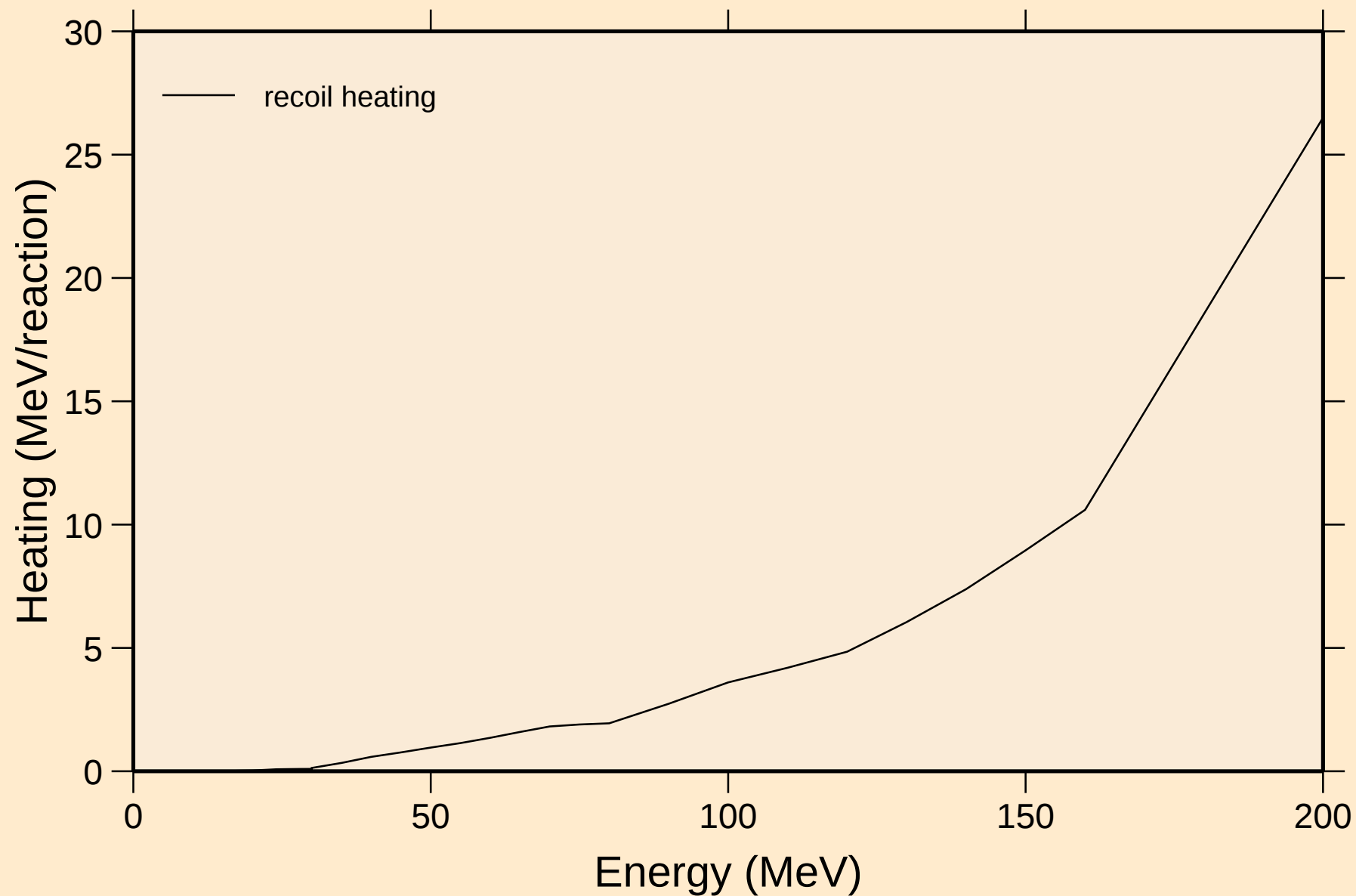
# SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions



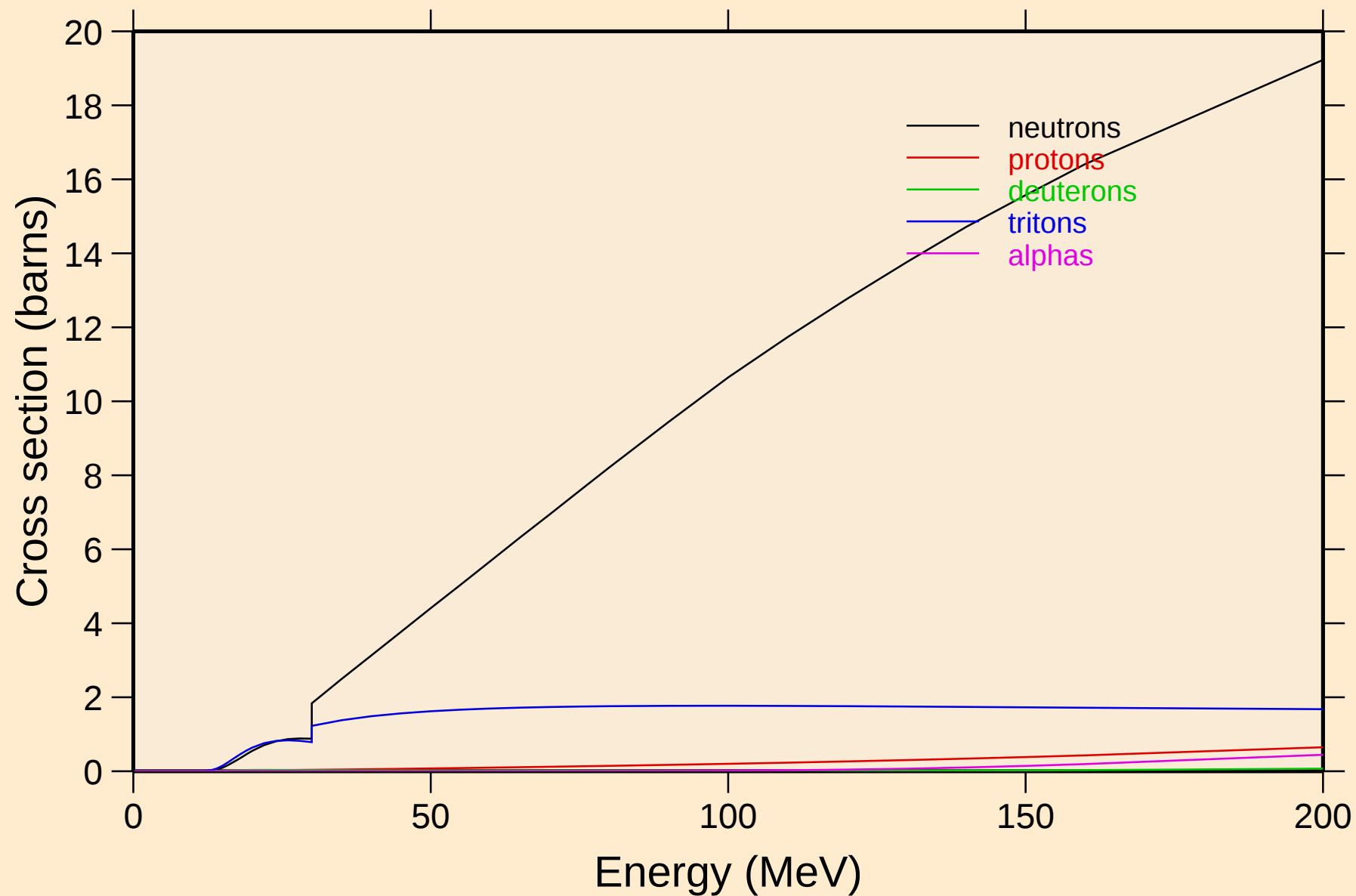
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K

Recoil Heating

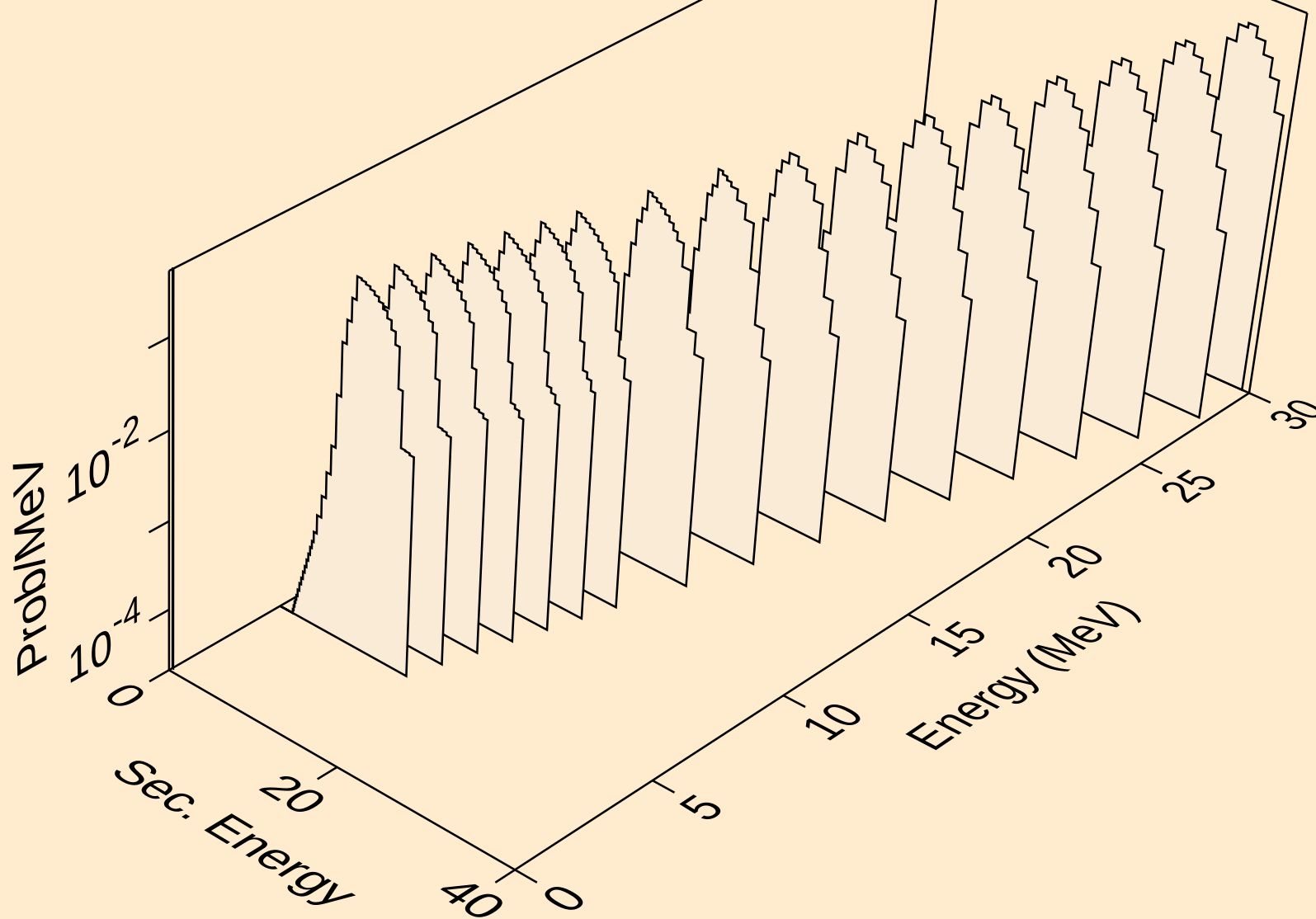


# SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K

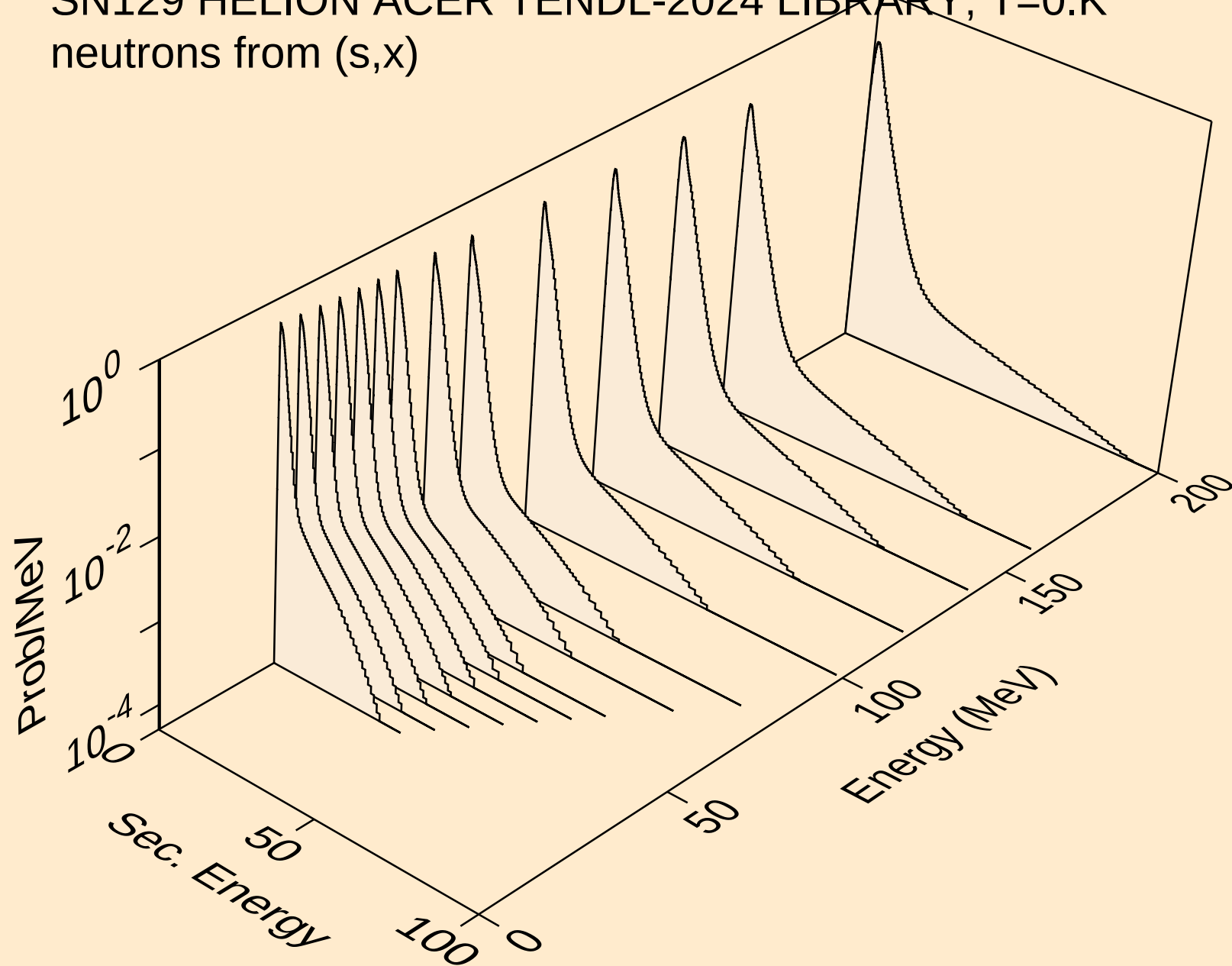
## Particle production cross sections



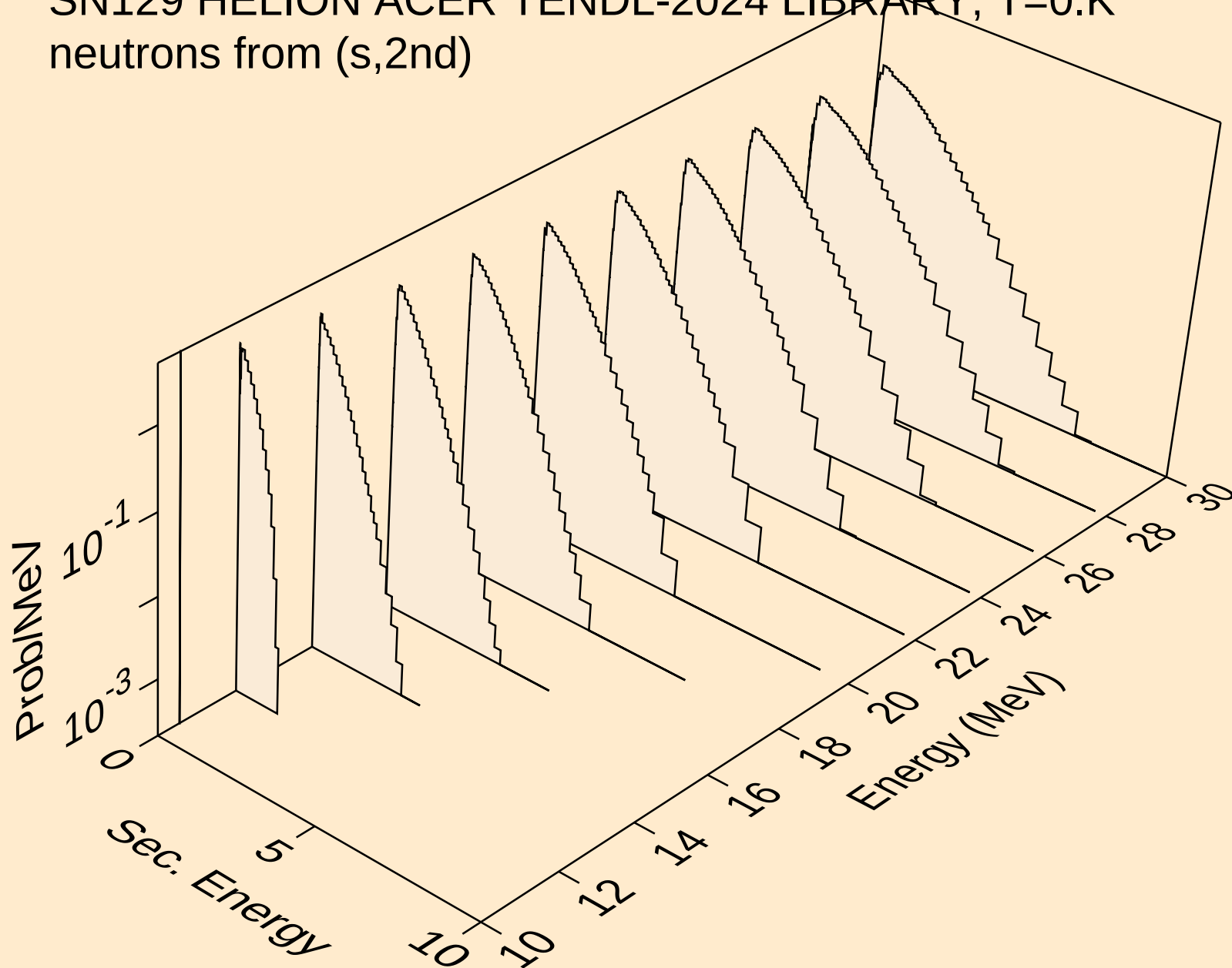
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n)



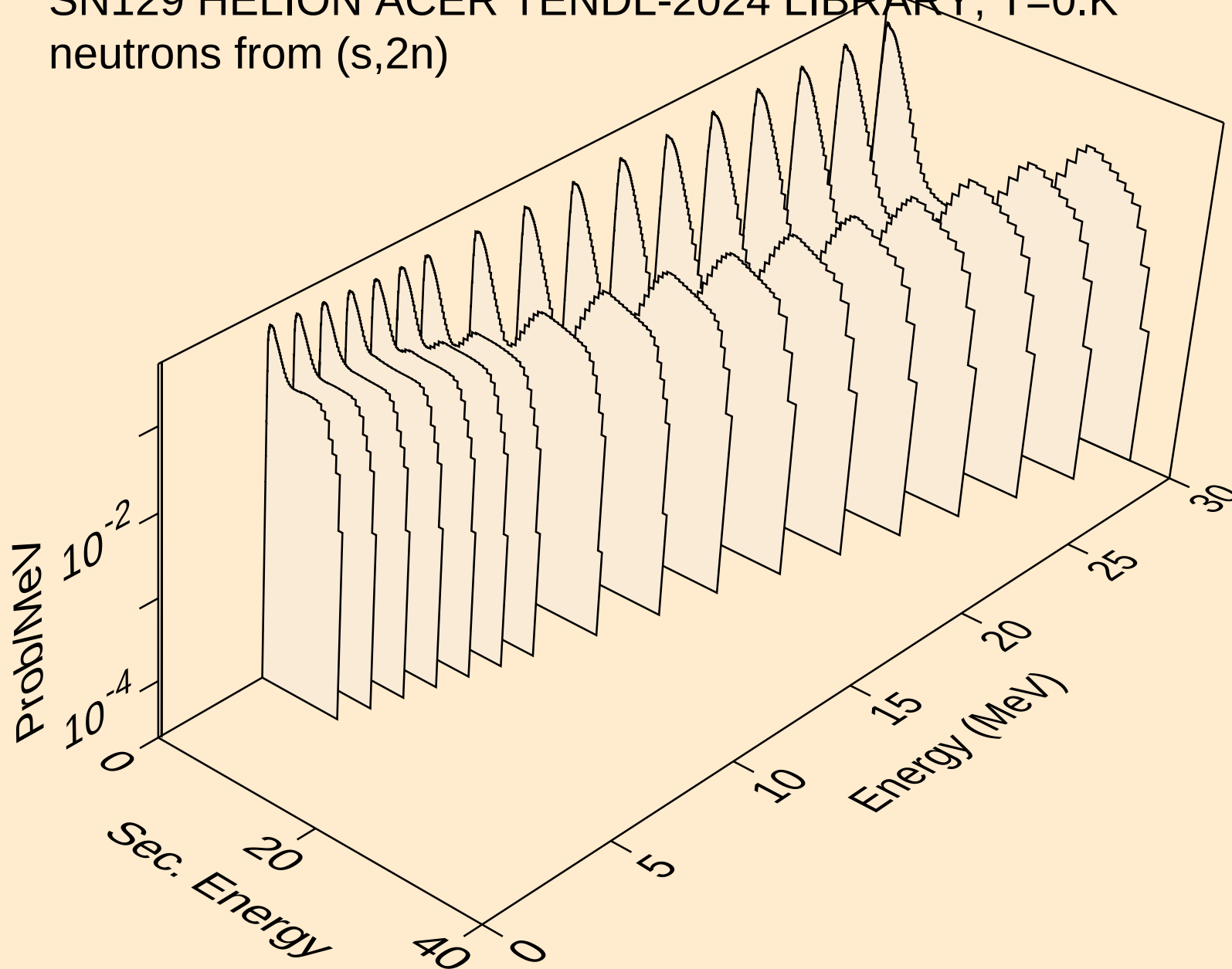
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,x)



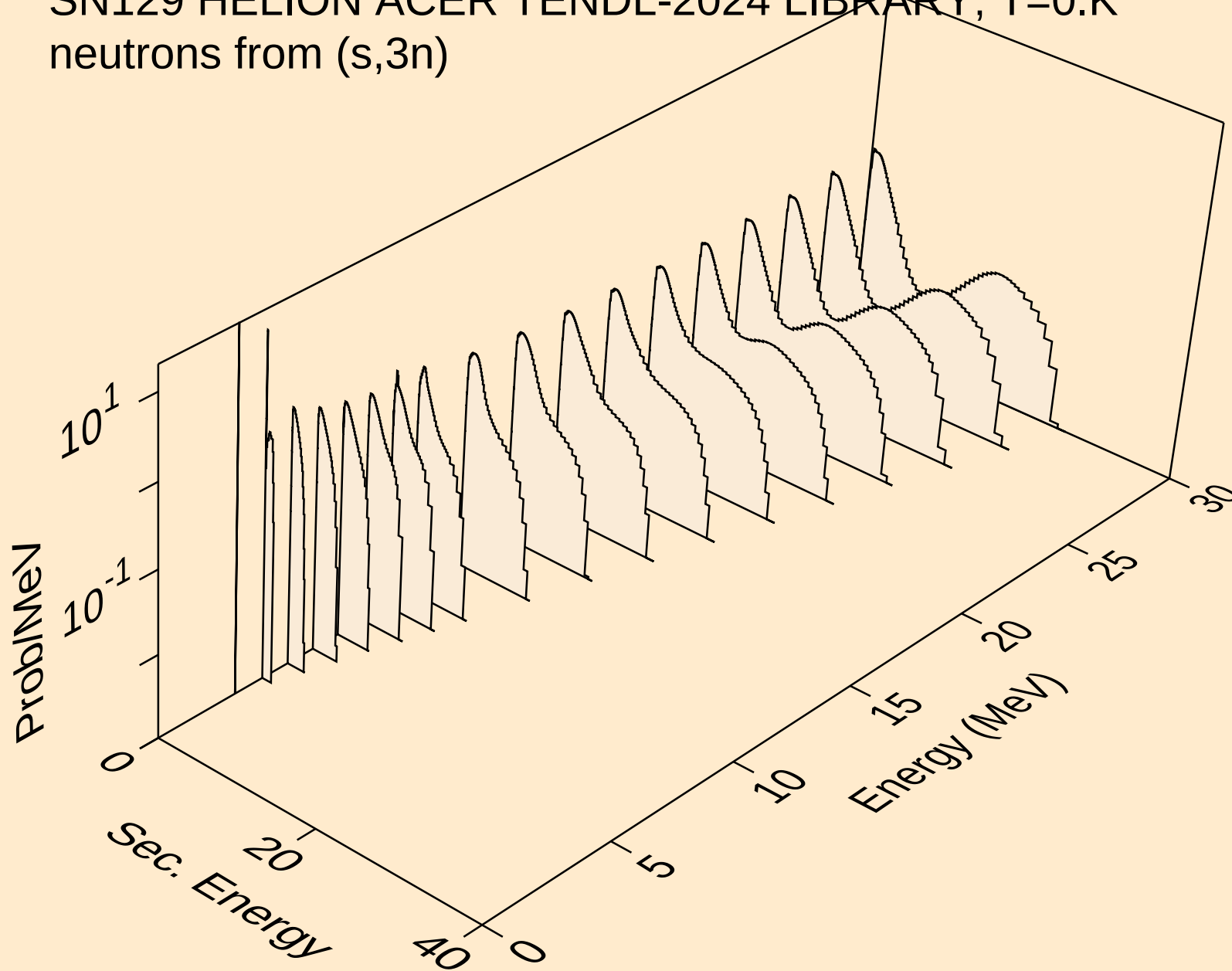
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neutrons from (s,2nd)



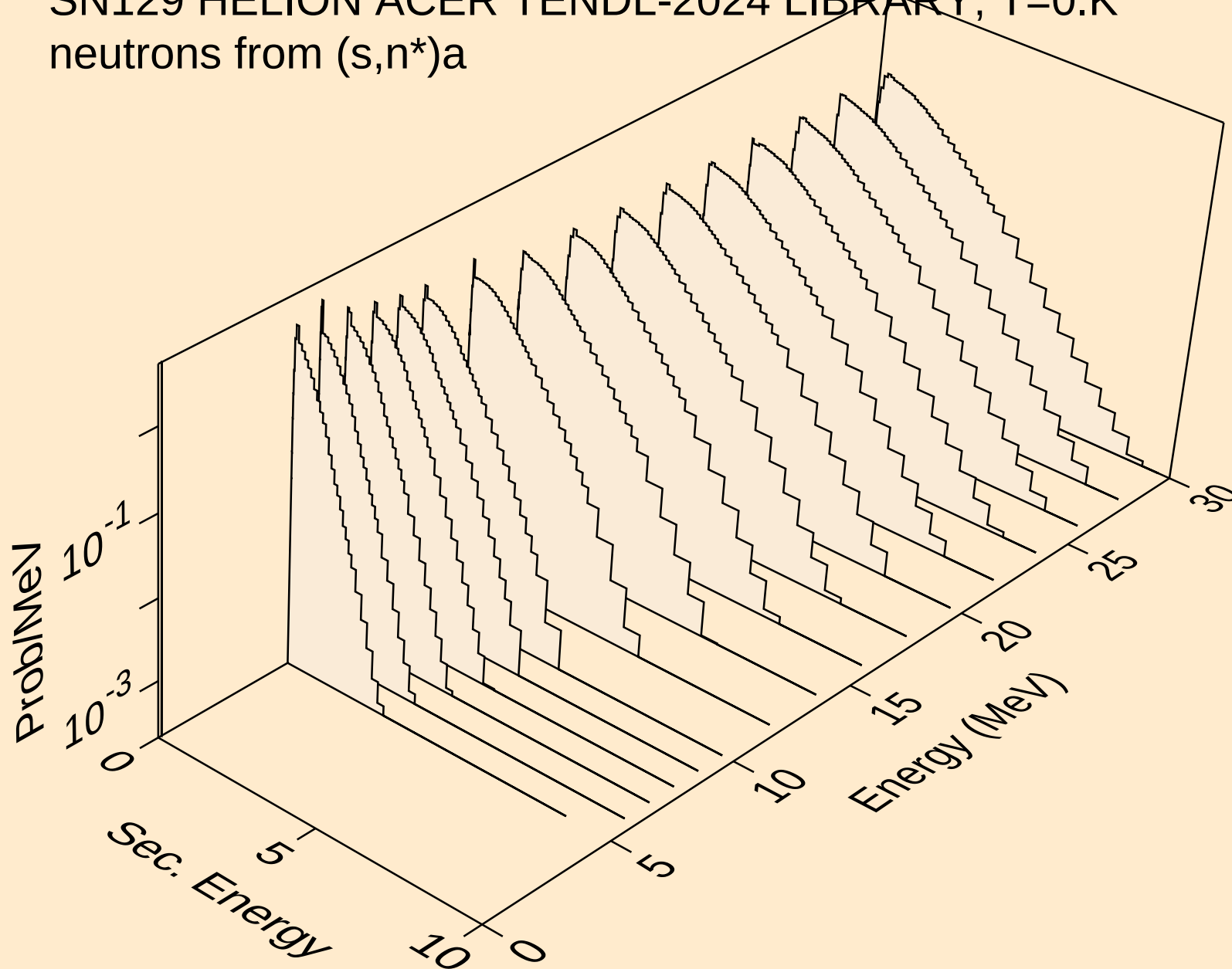
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neutrons from (s,2n)



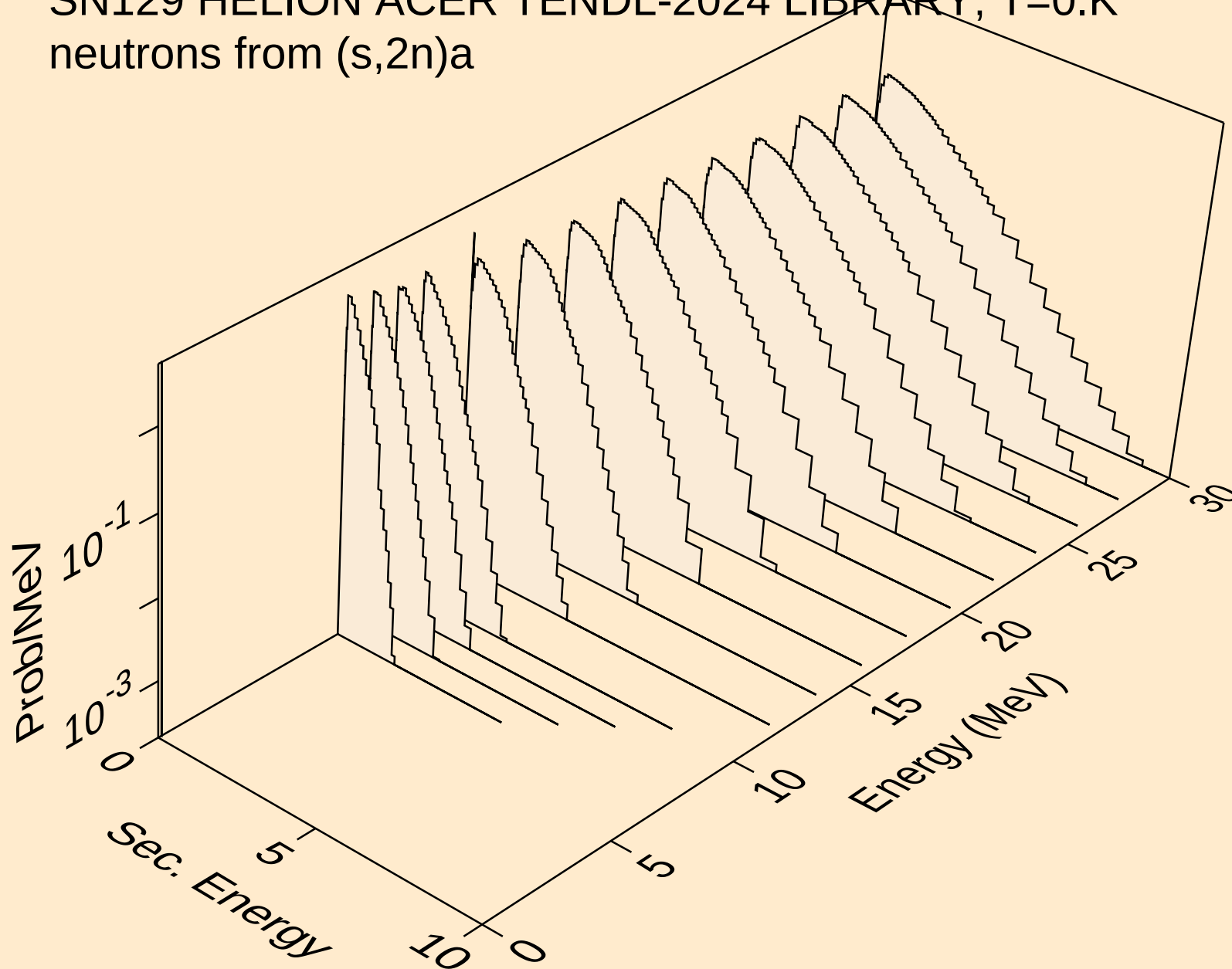
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,3n)



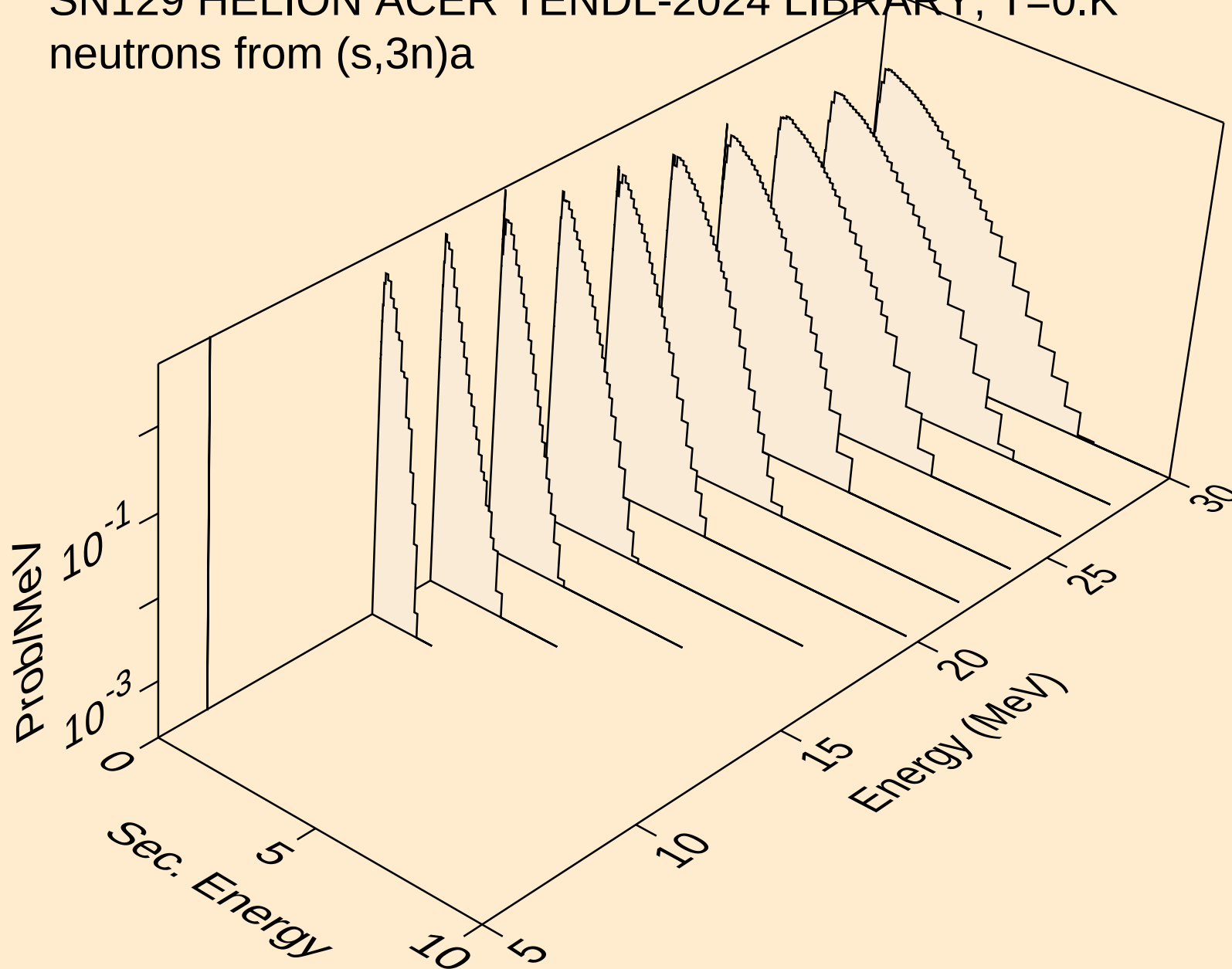
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)a



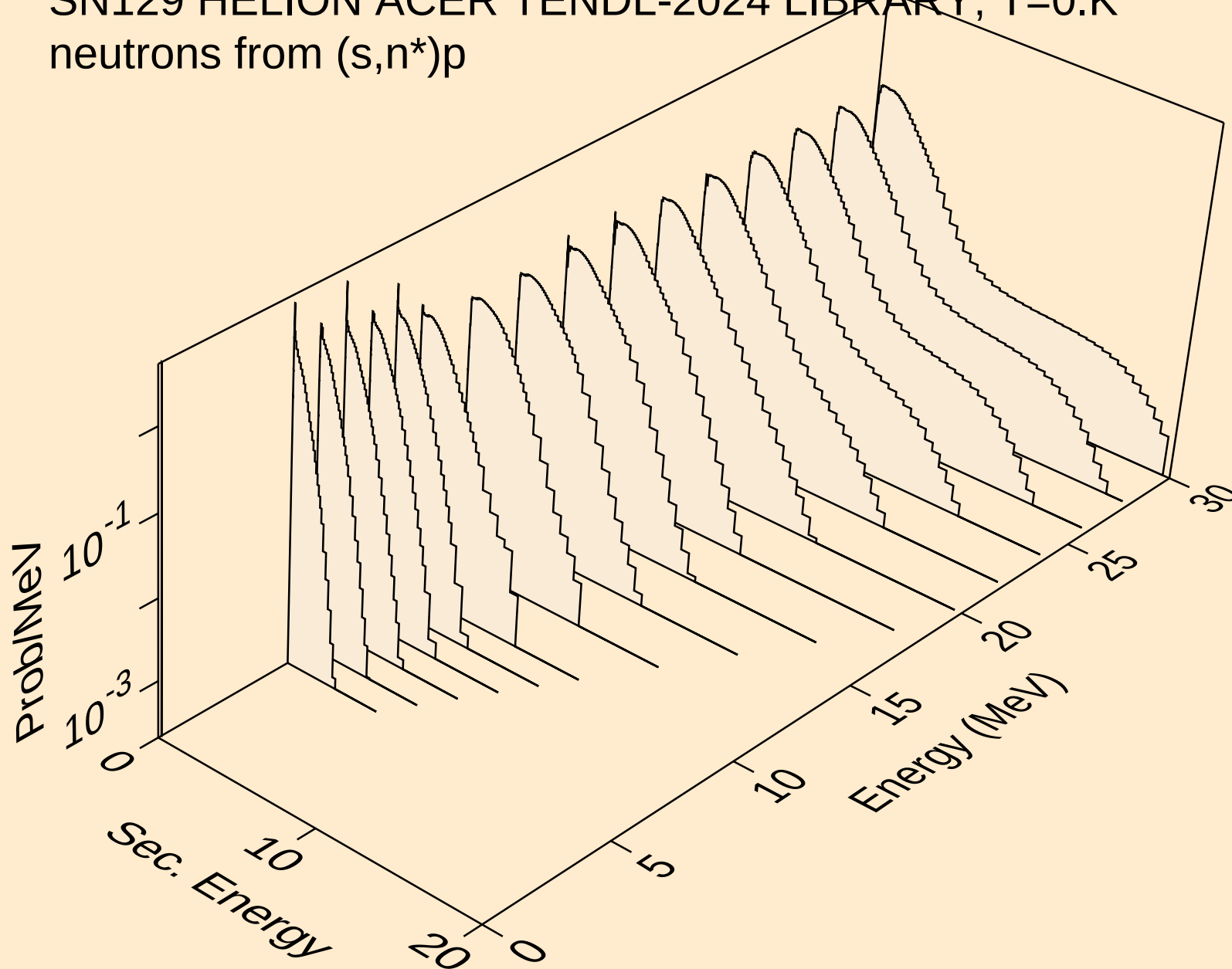
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,2n)a



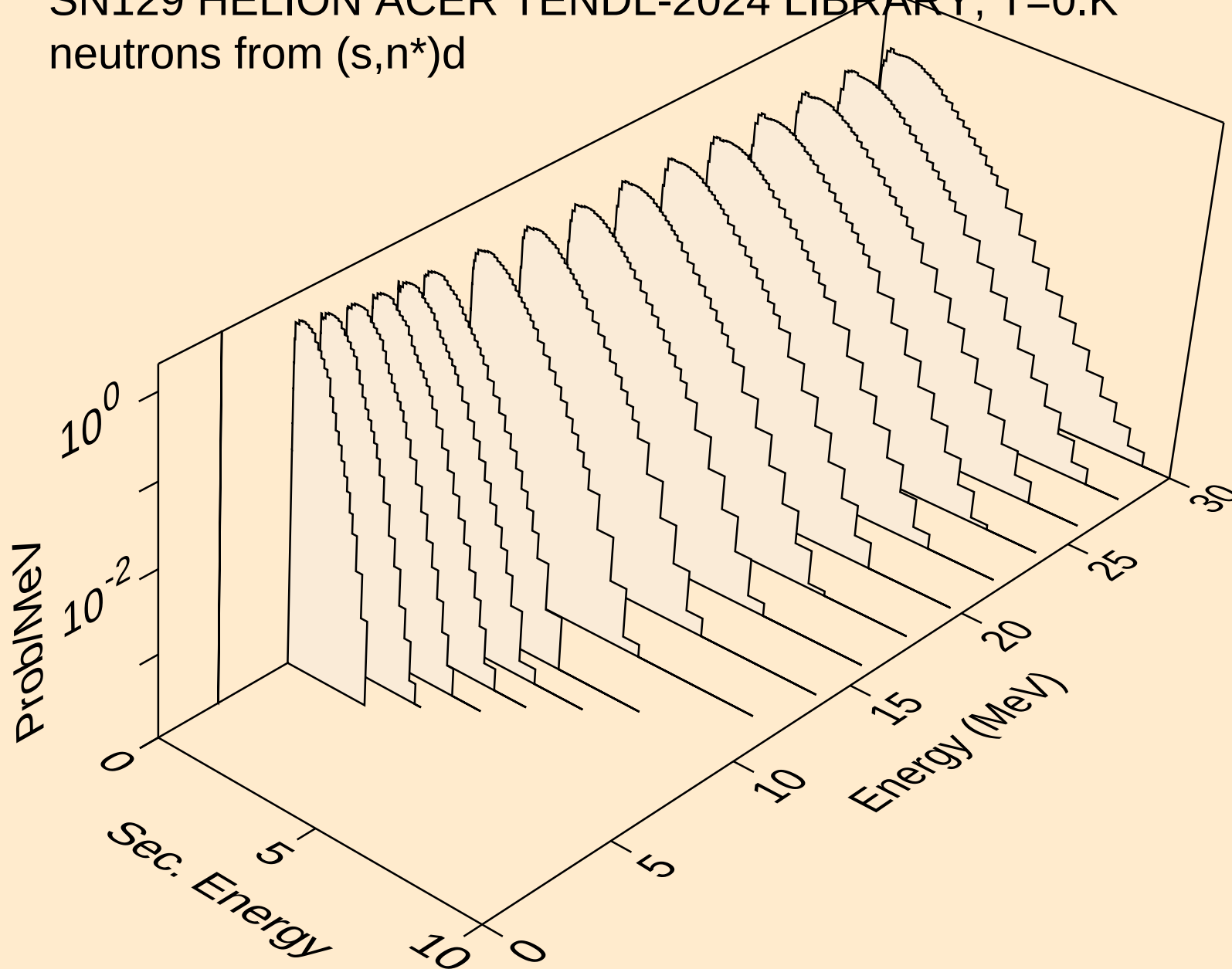
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neutrons from (s,3n)a



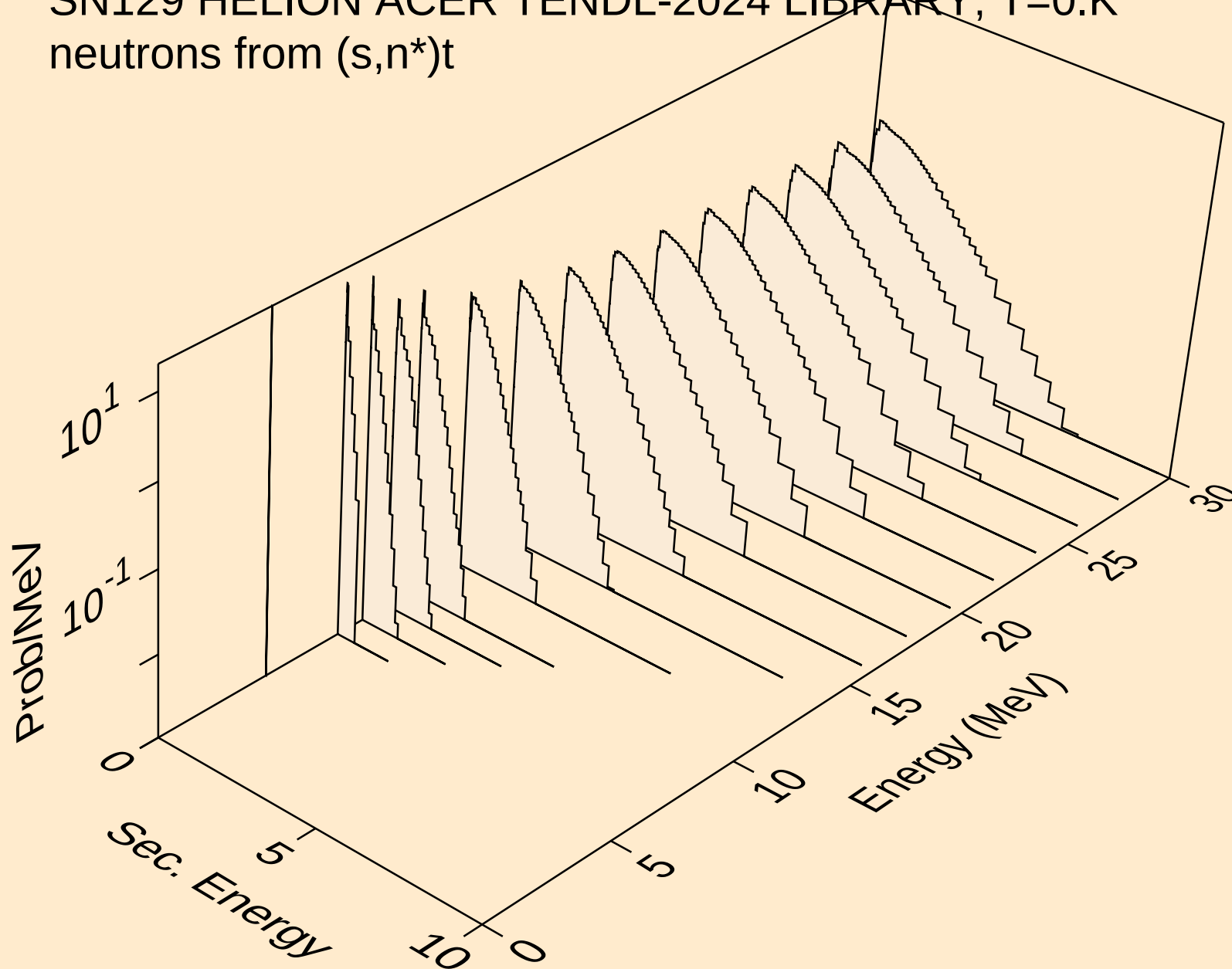
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)p



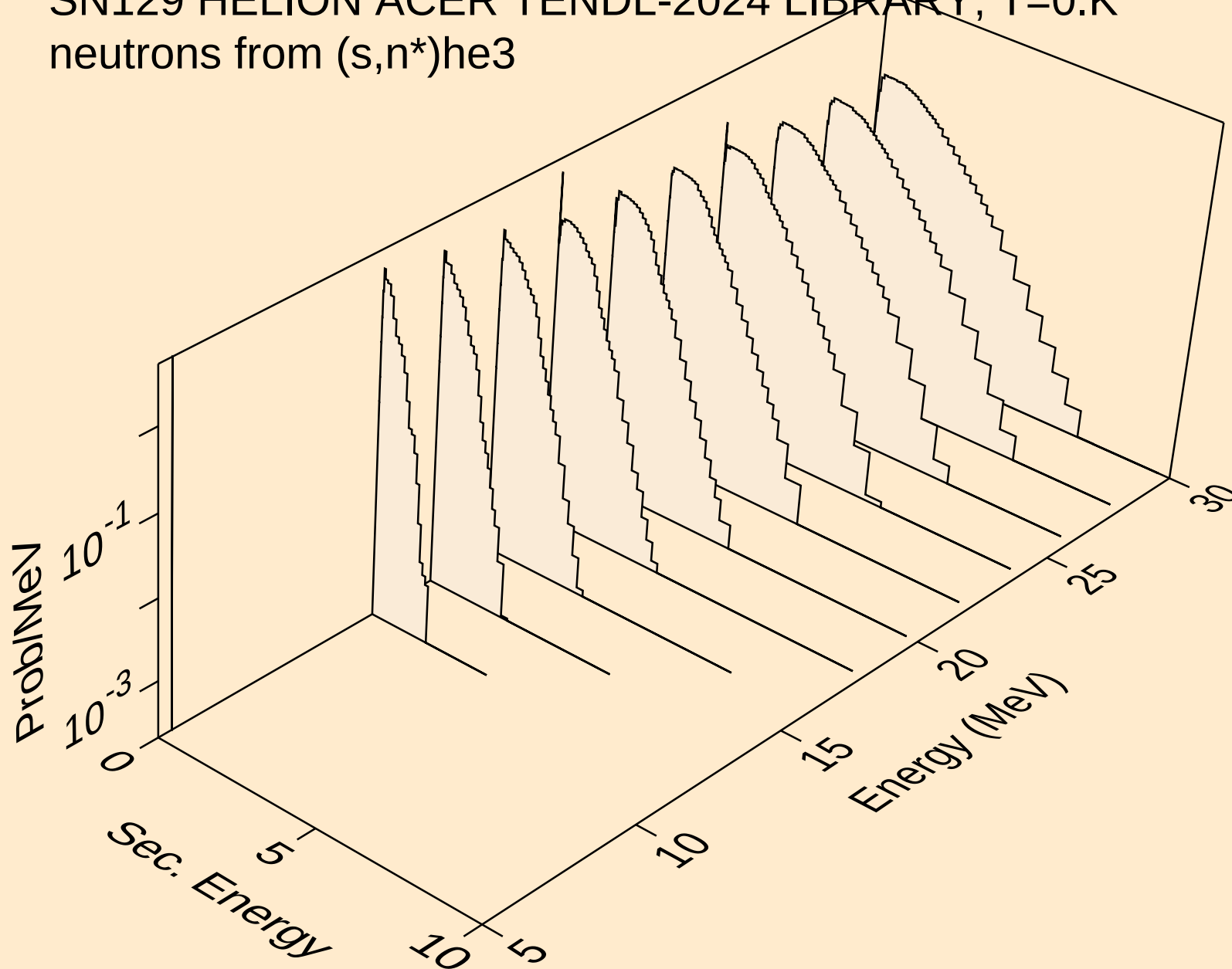
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)d



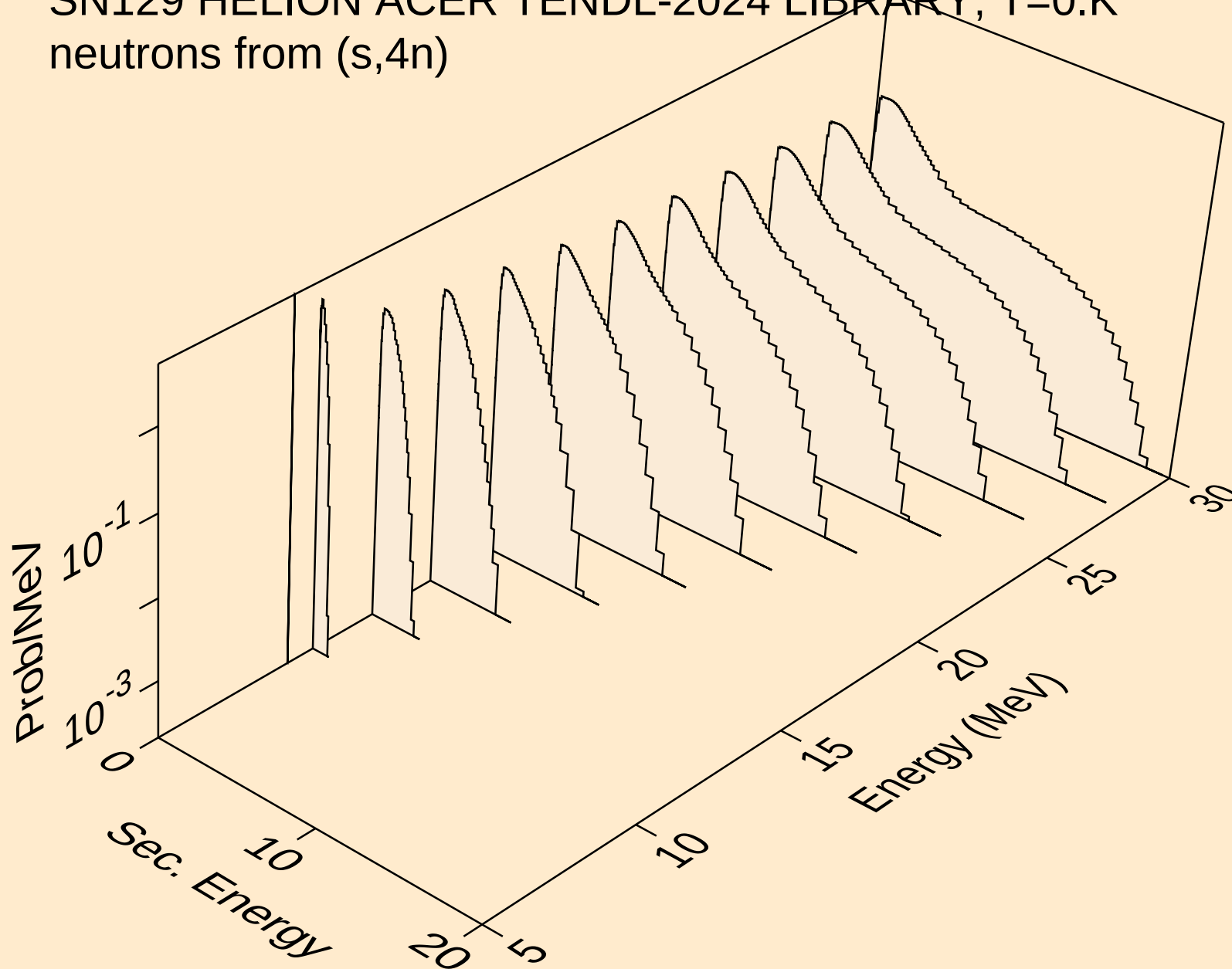
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neutrons from (s,n\*)t



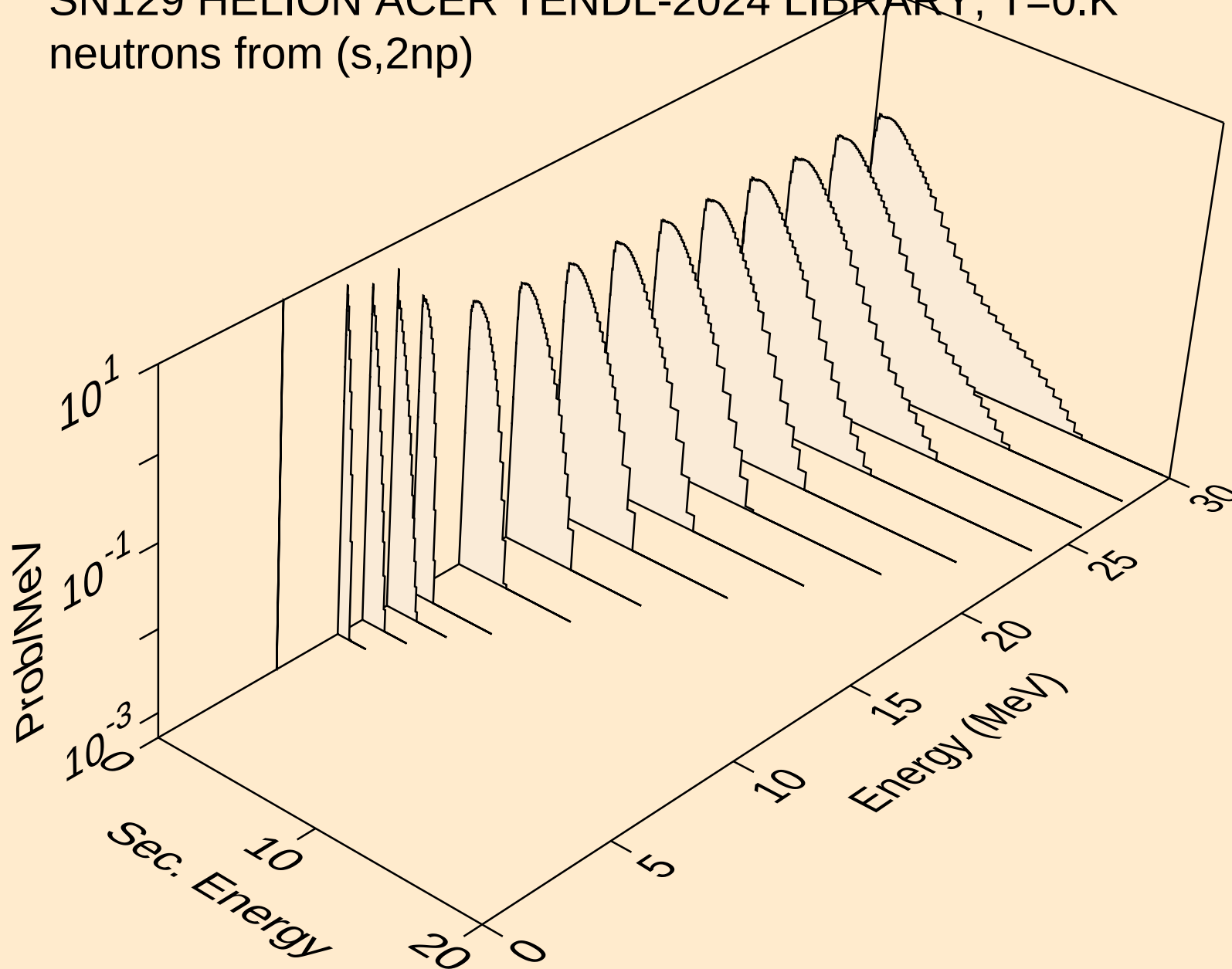
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)he3



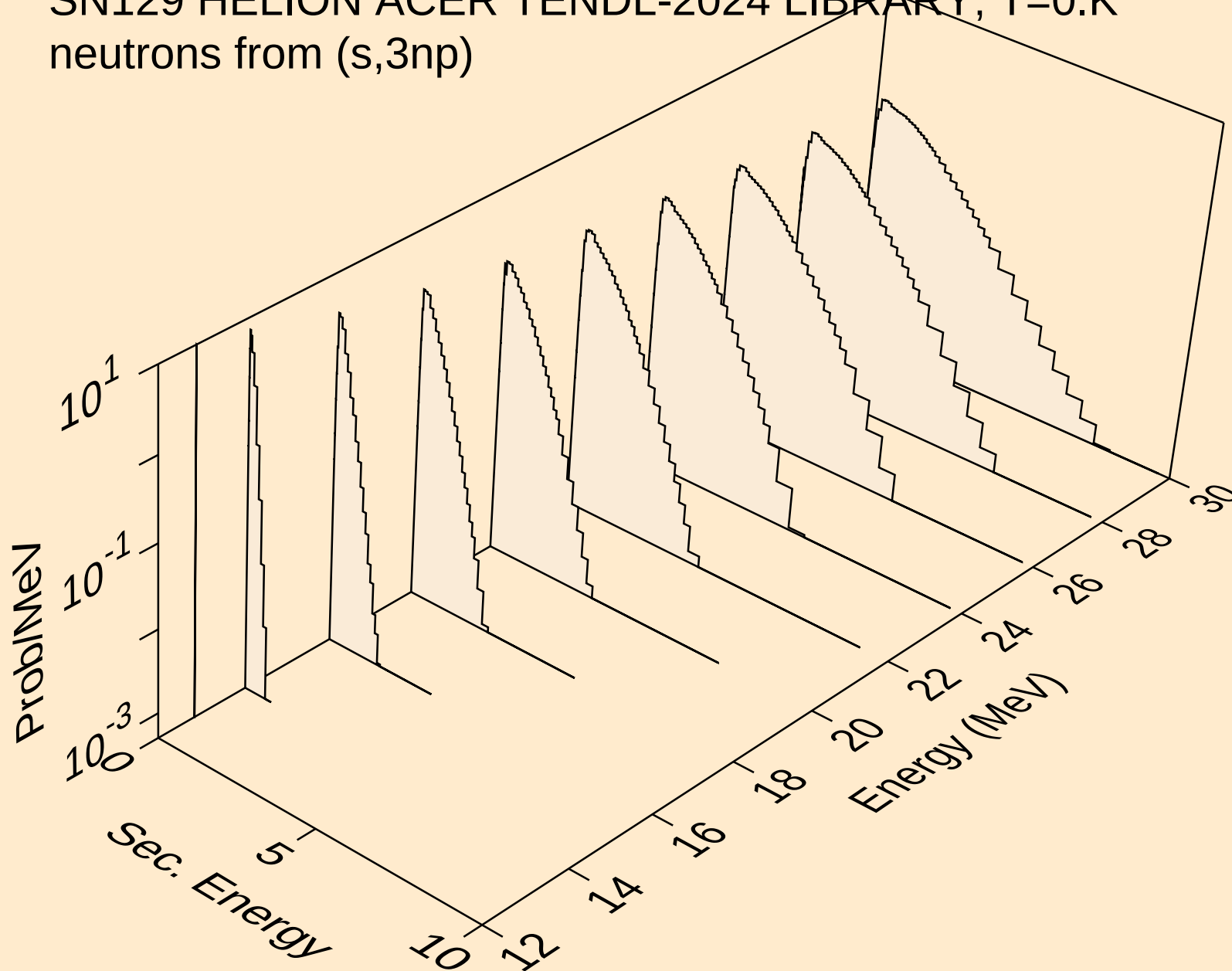
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,4n)



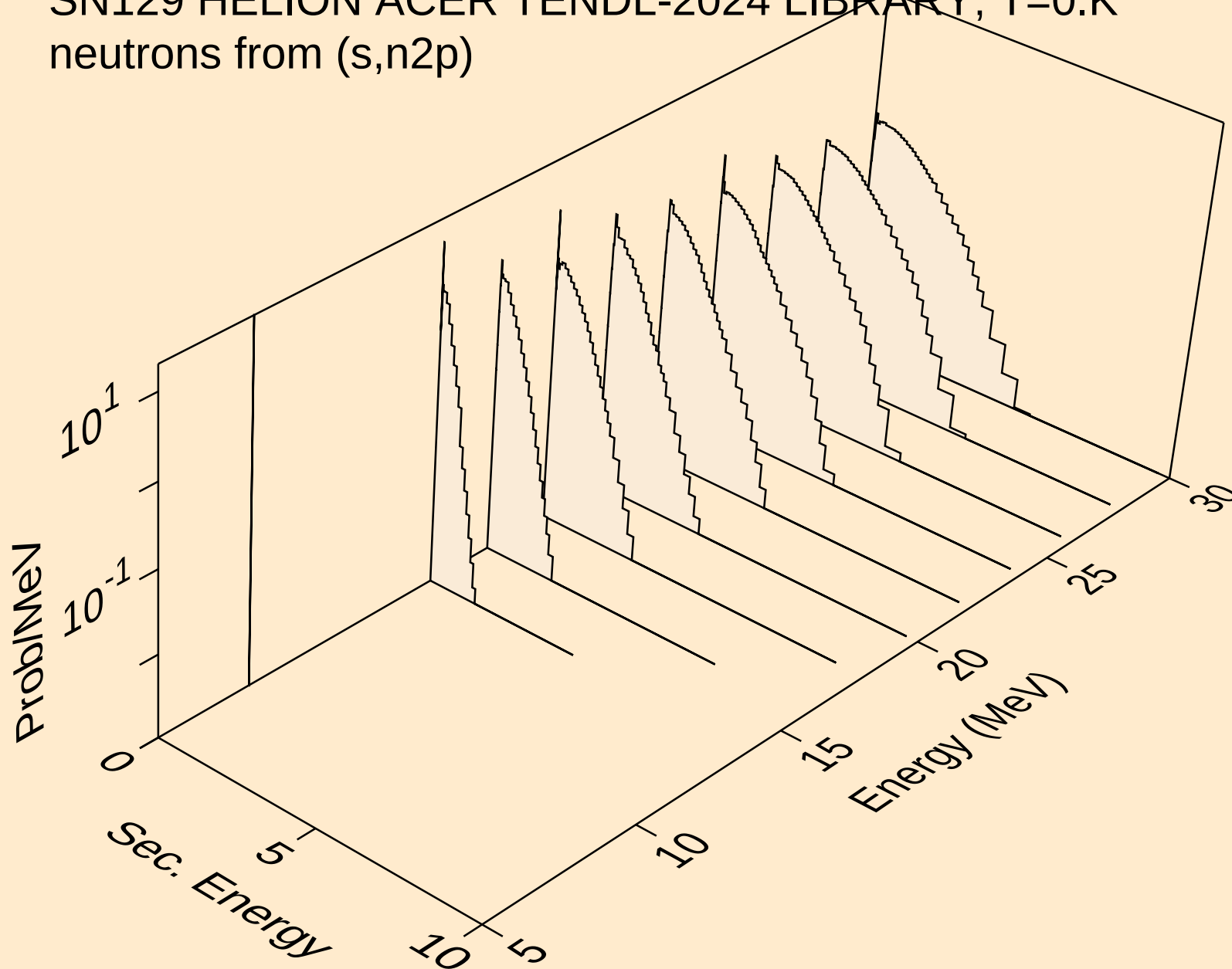
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neutrons from (s,2np)



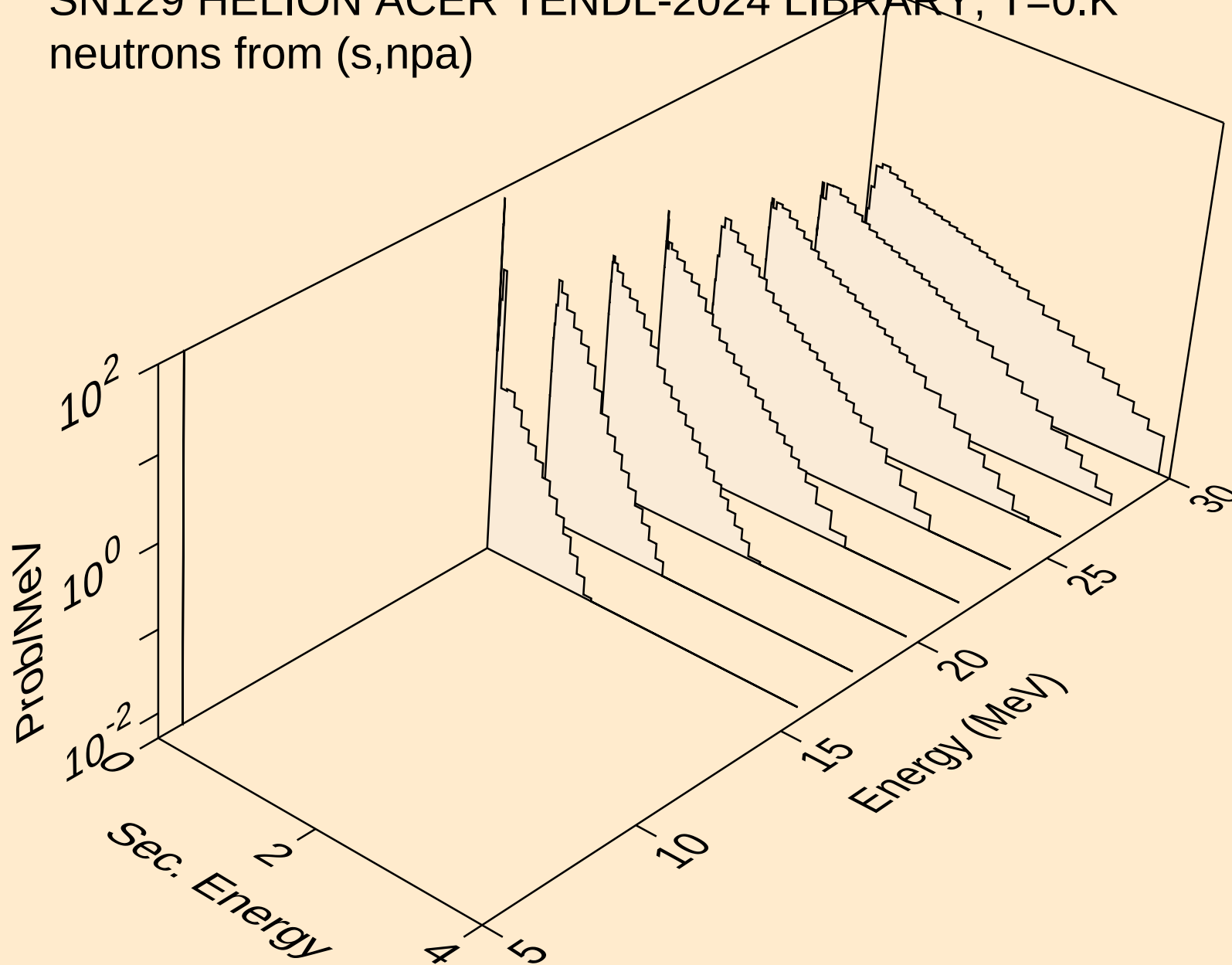
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neutrons from (s,3np)



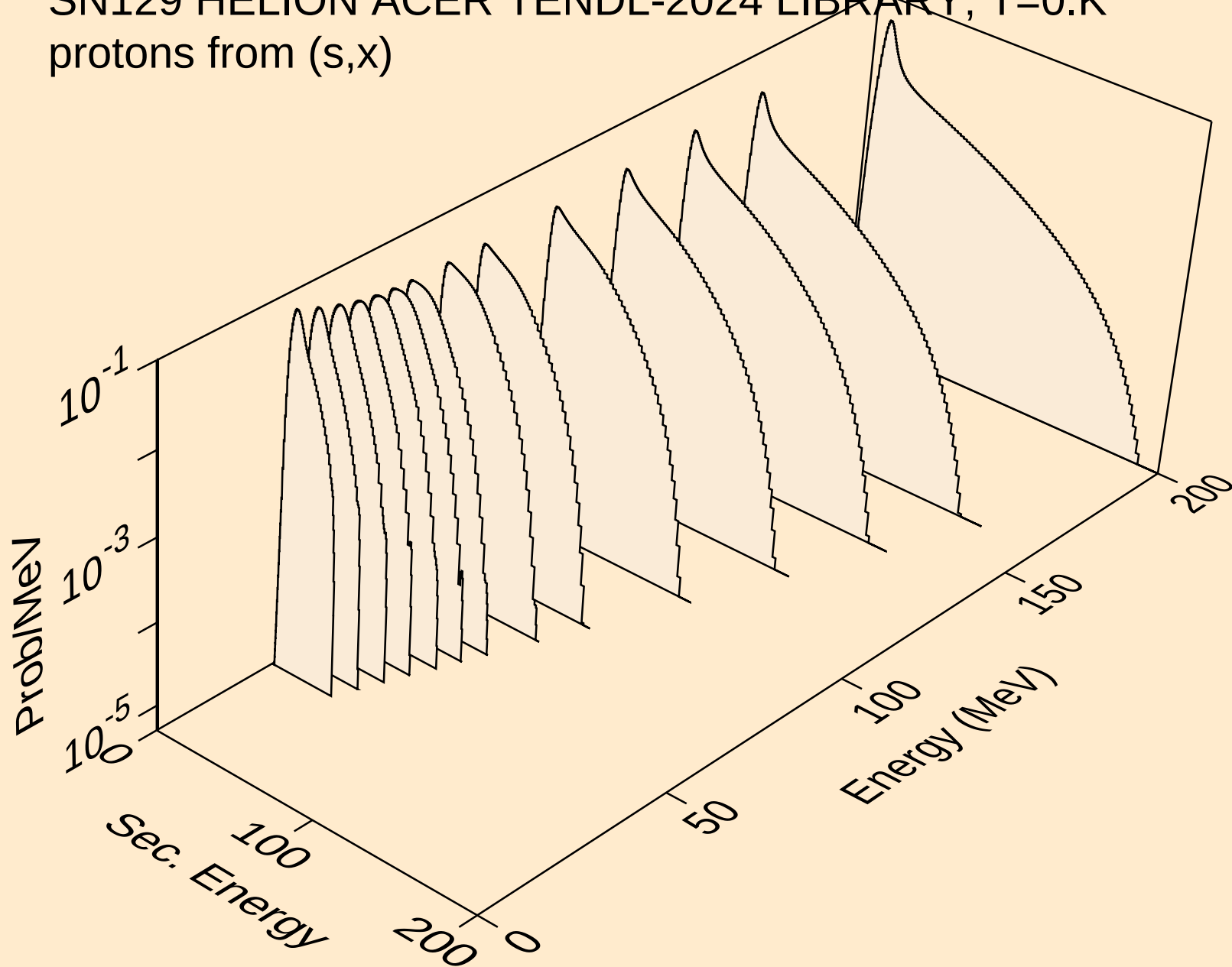
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neutrons from (s,n2p)



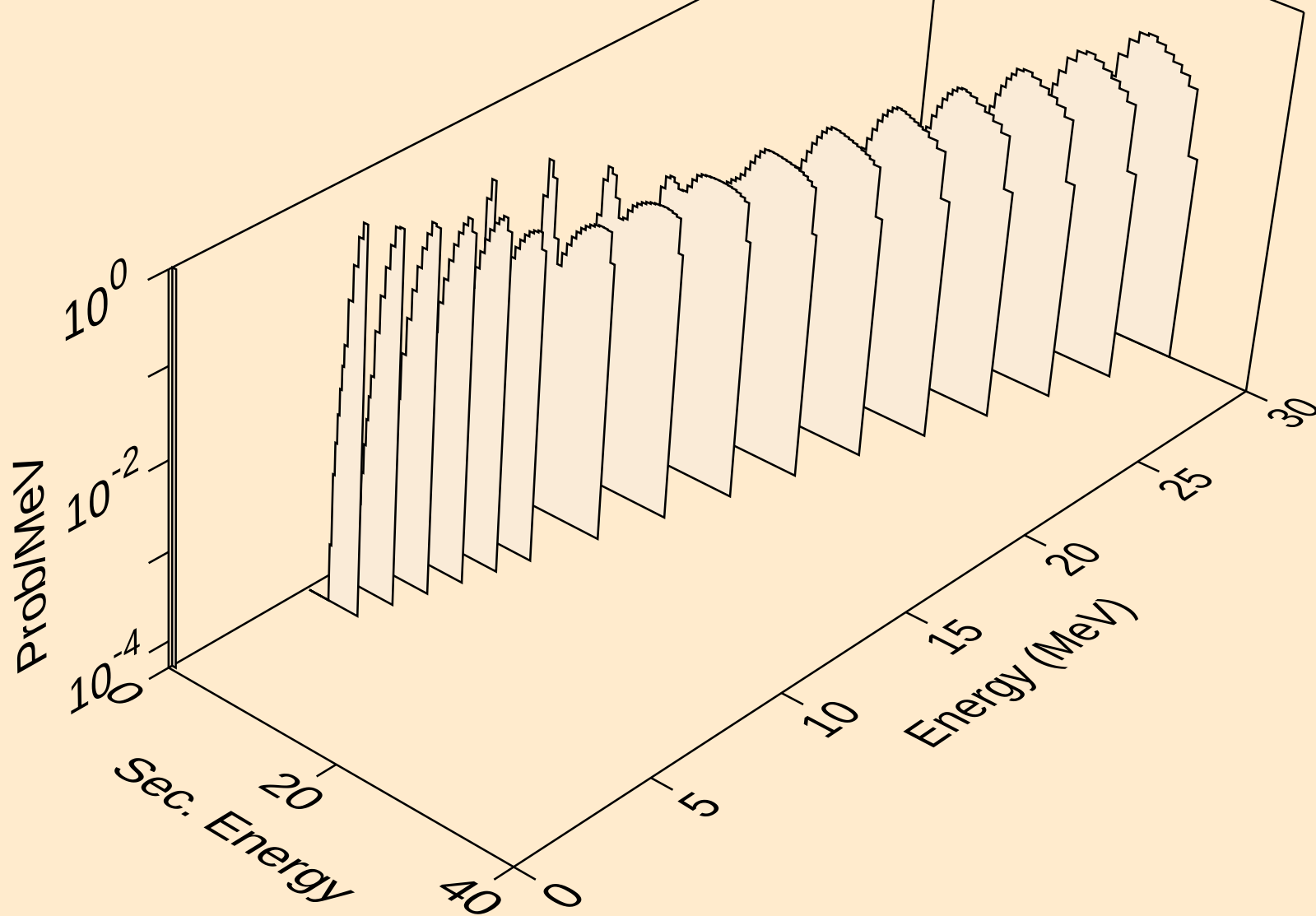
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neutrons from (s,npa)



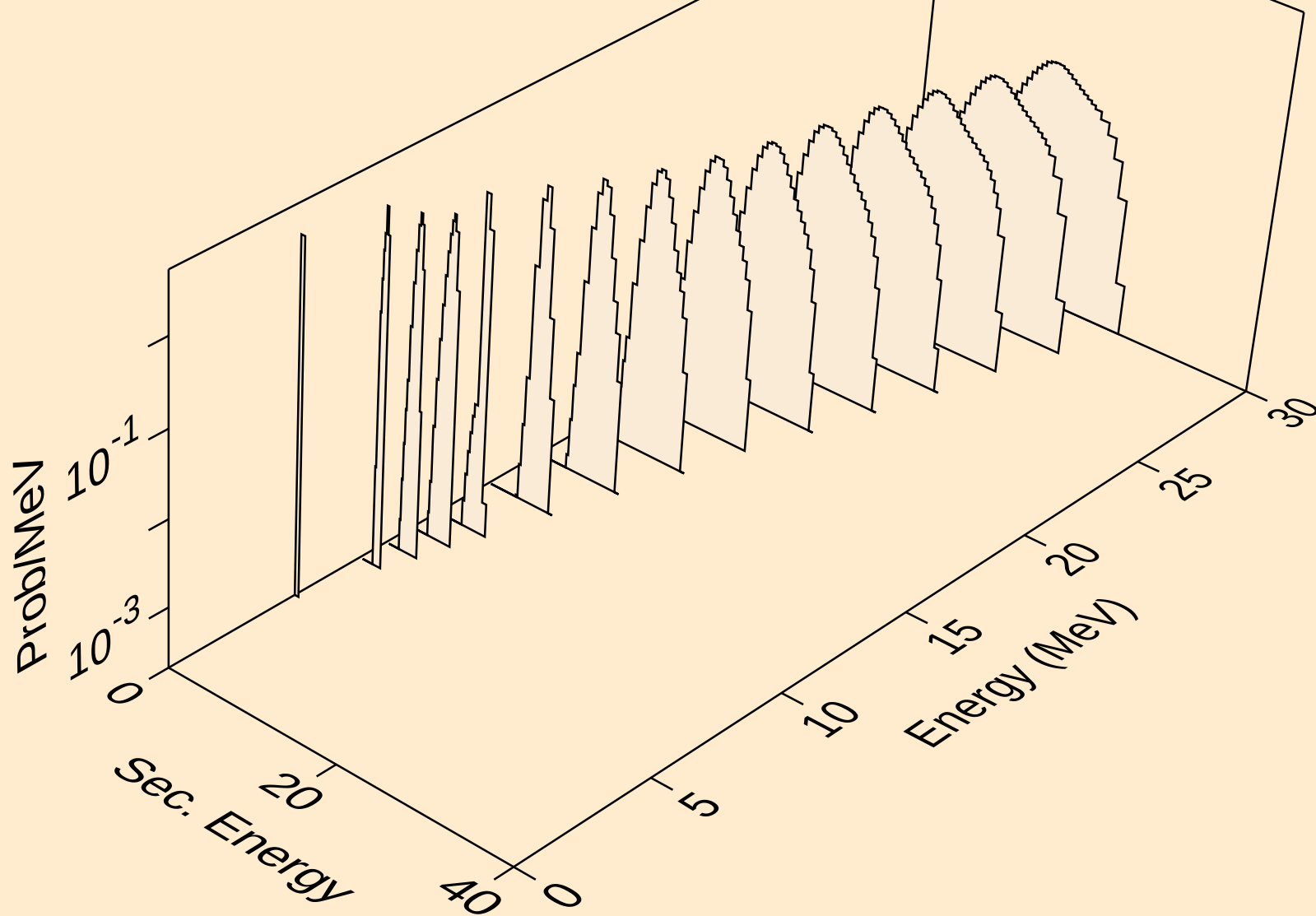
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,x)



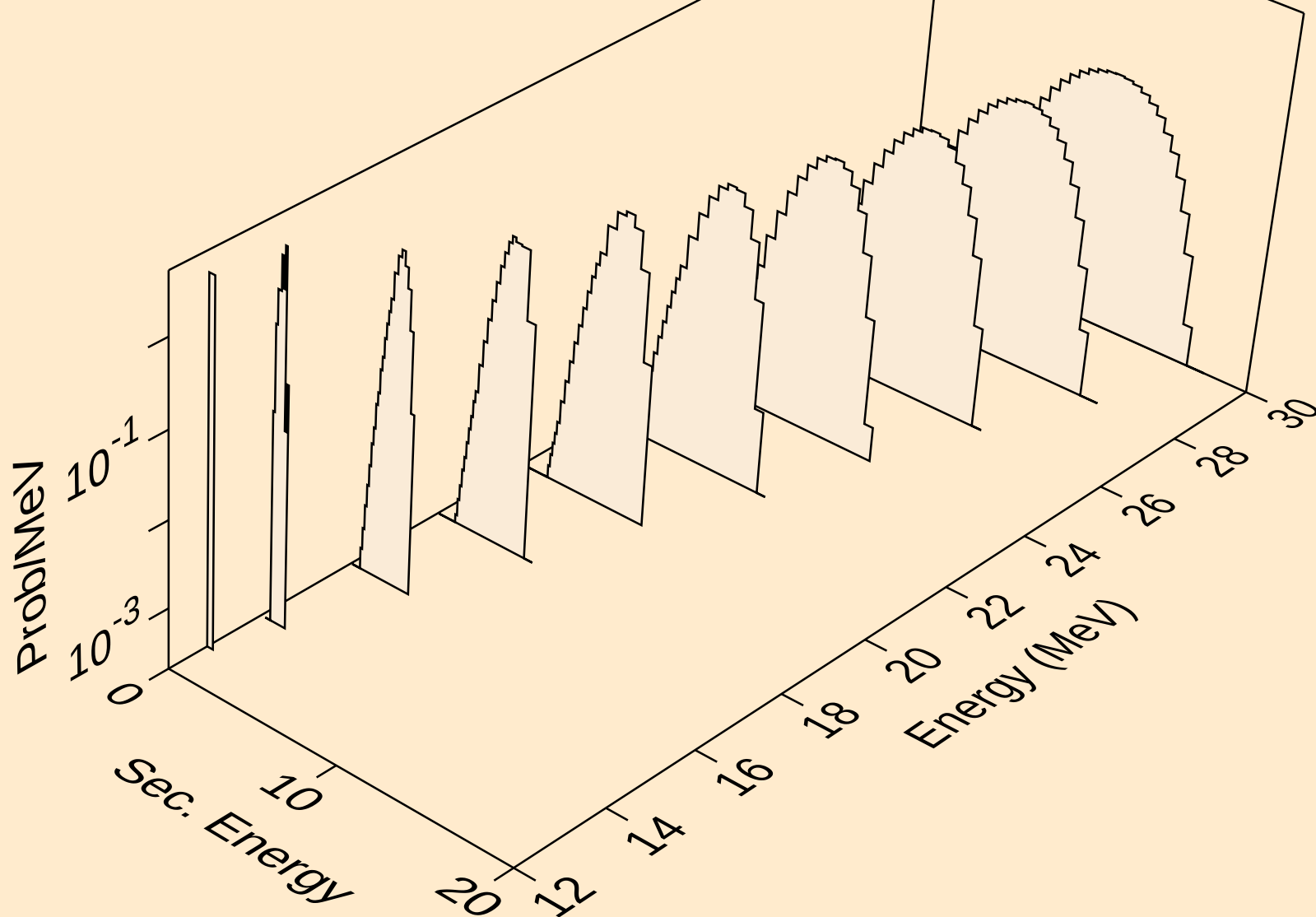
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protons from (s,n\*)p



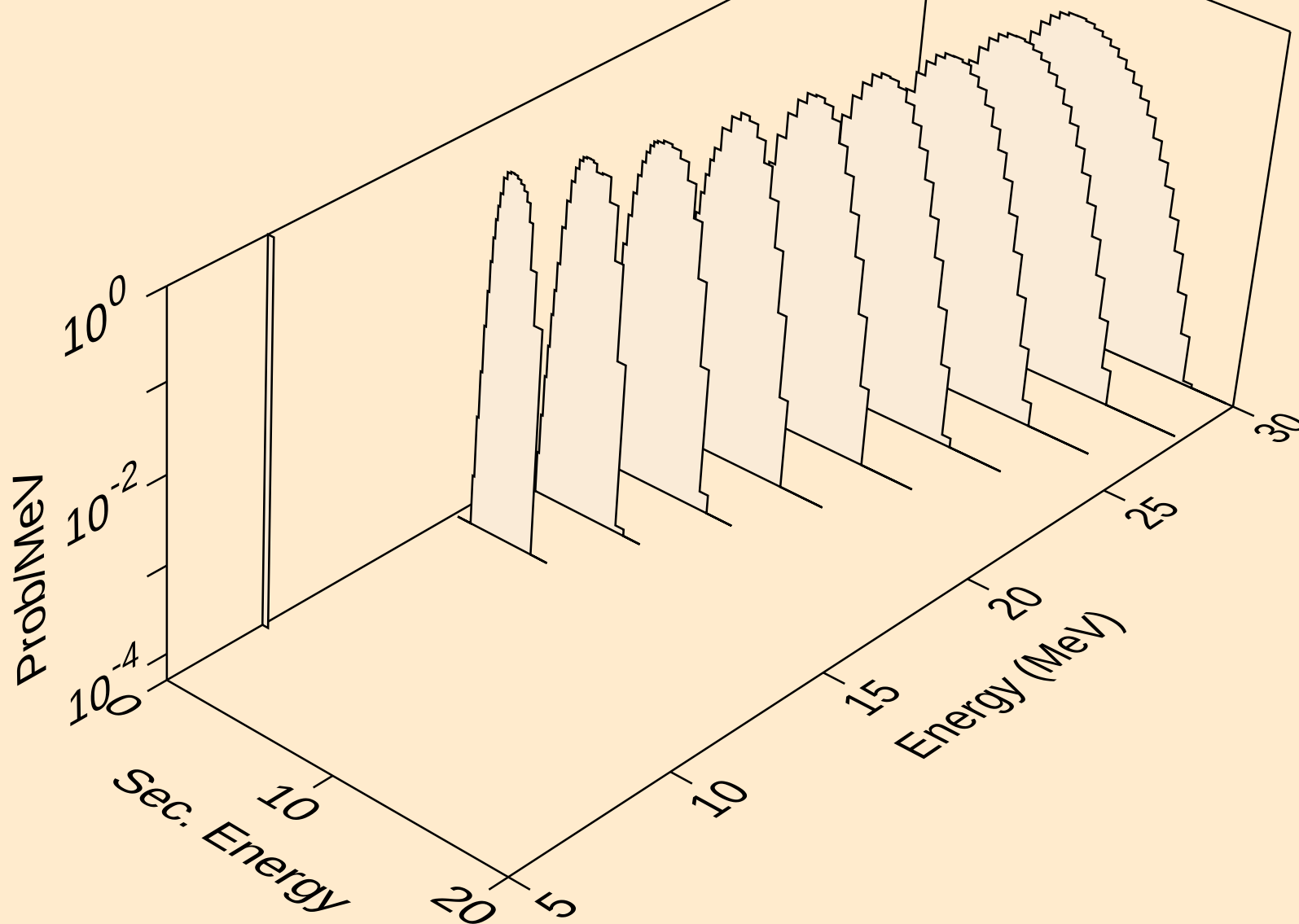
SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
protons from (s,2np)



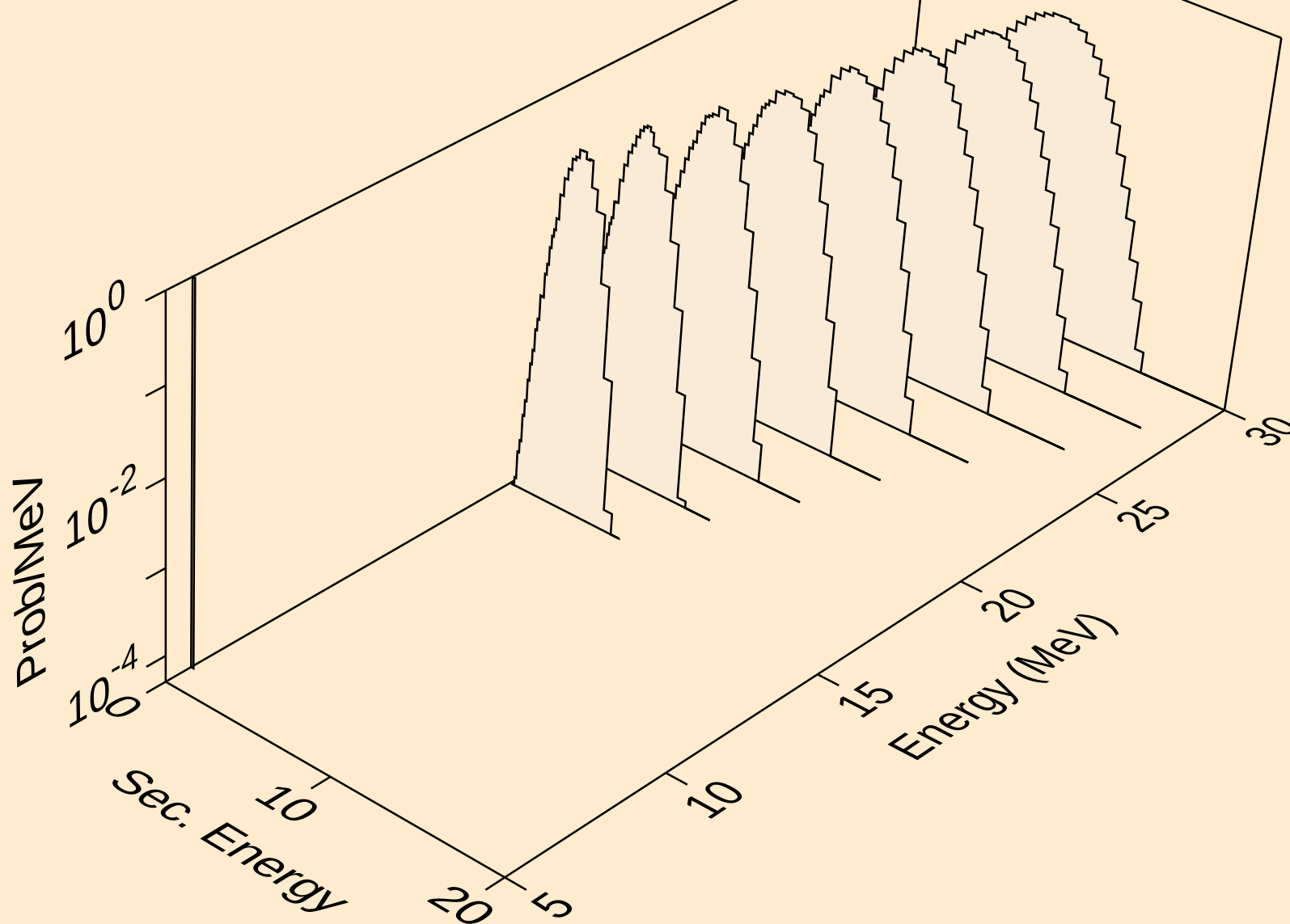
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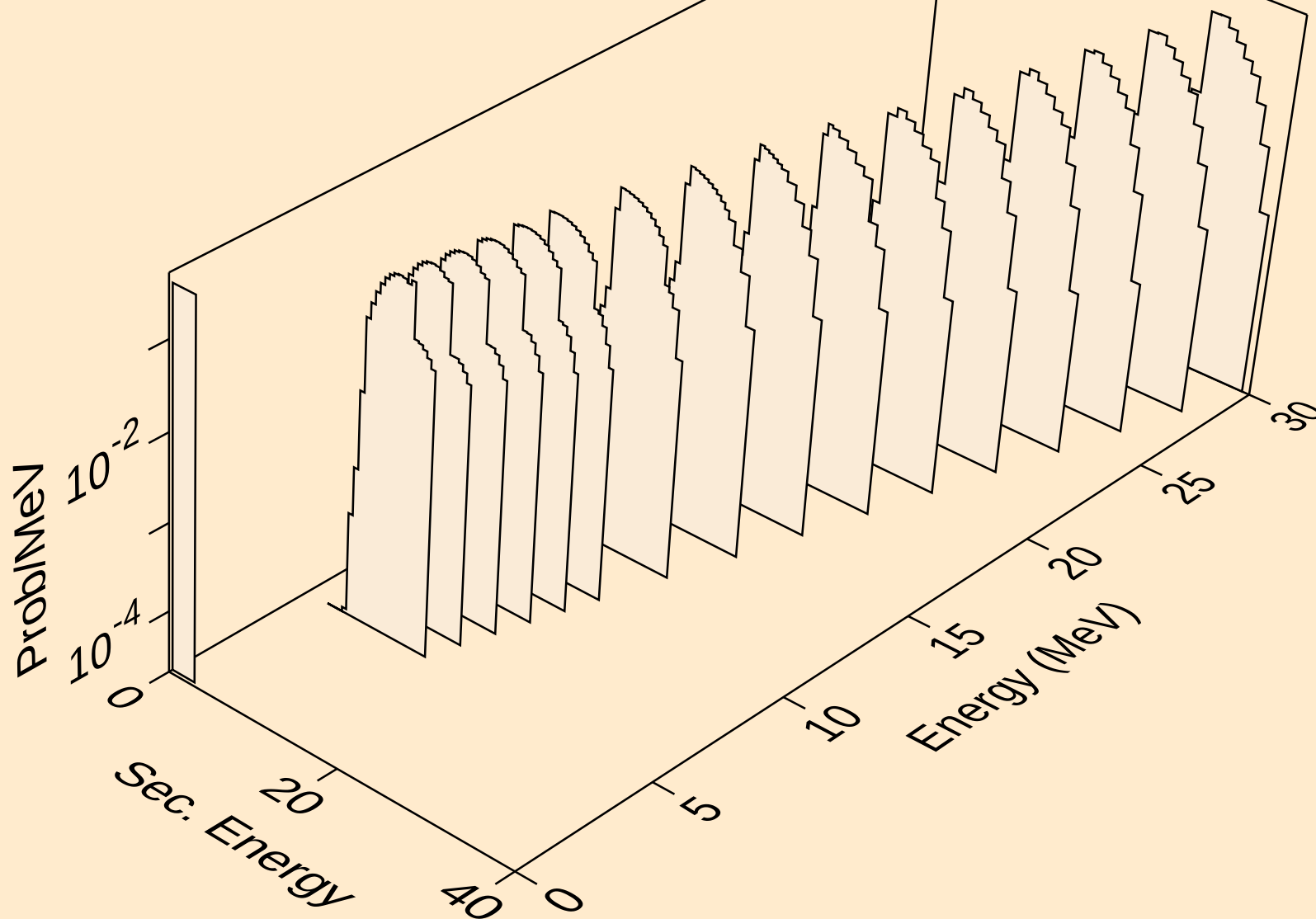
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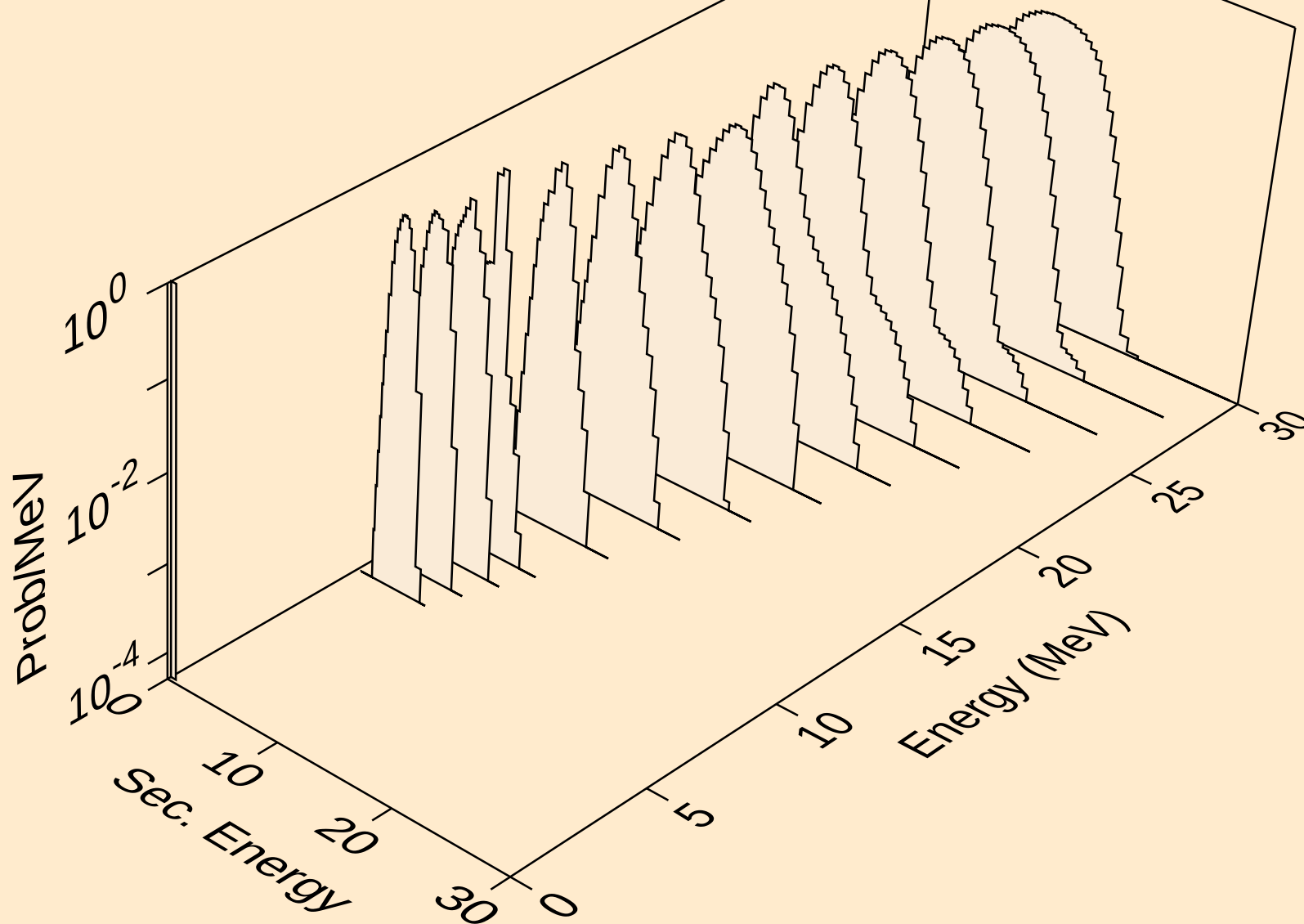
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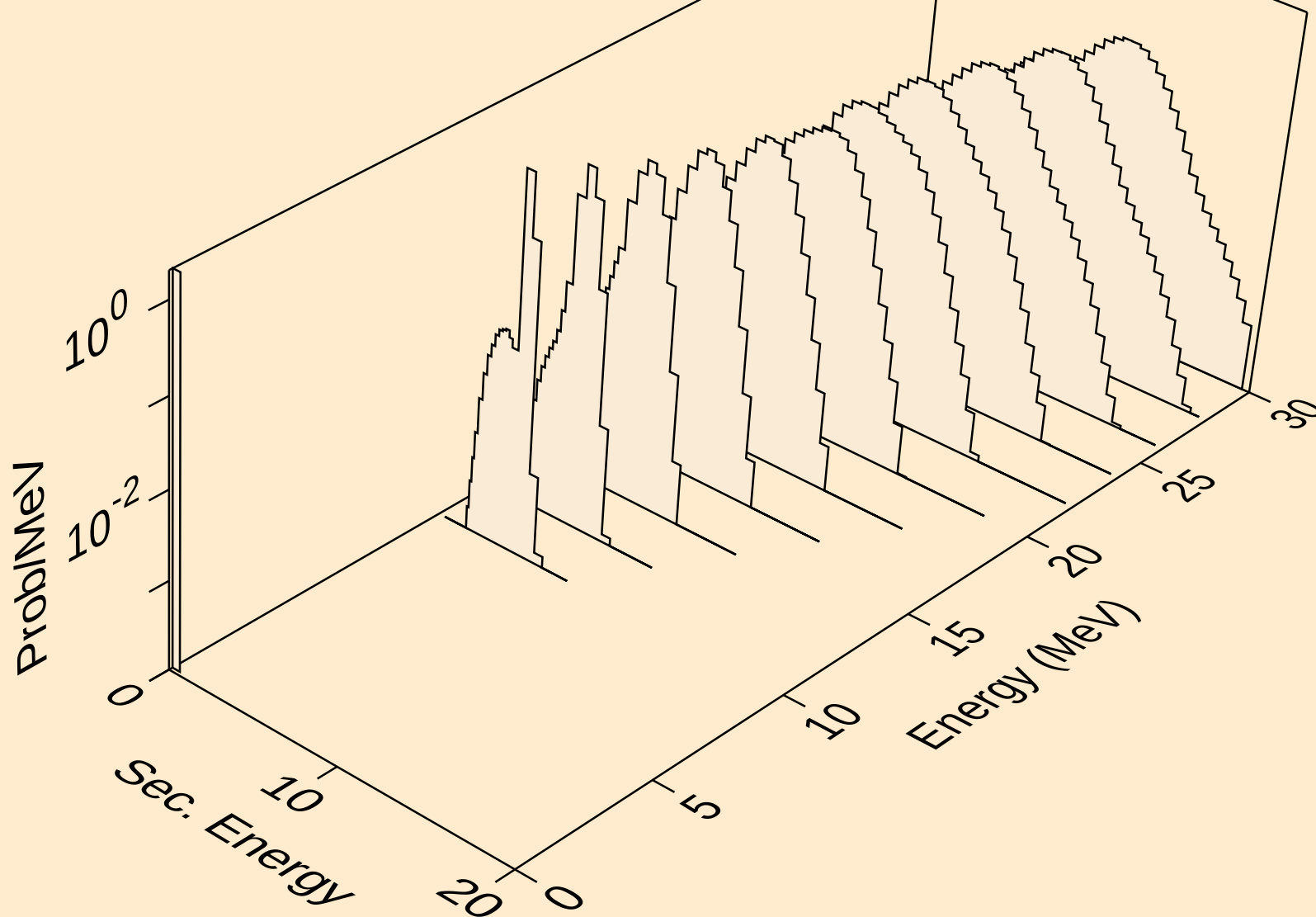
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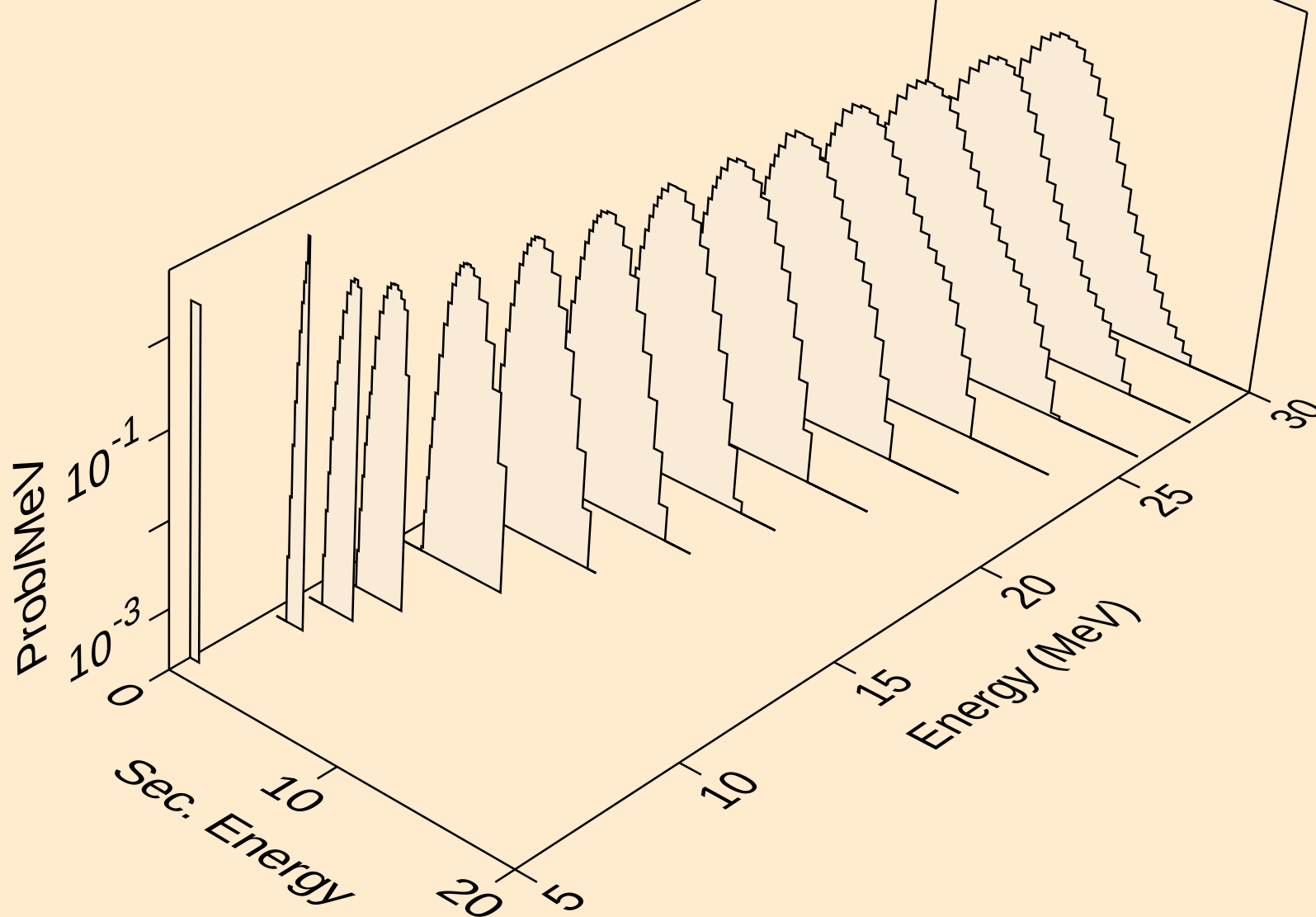
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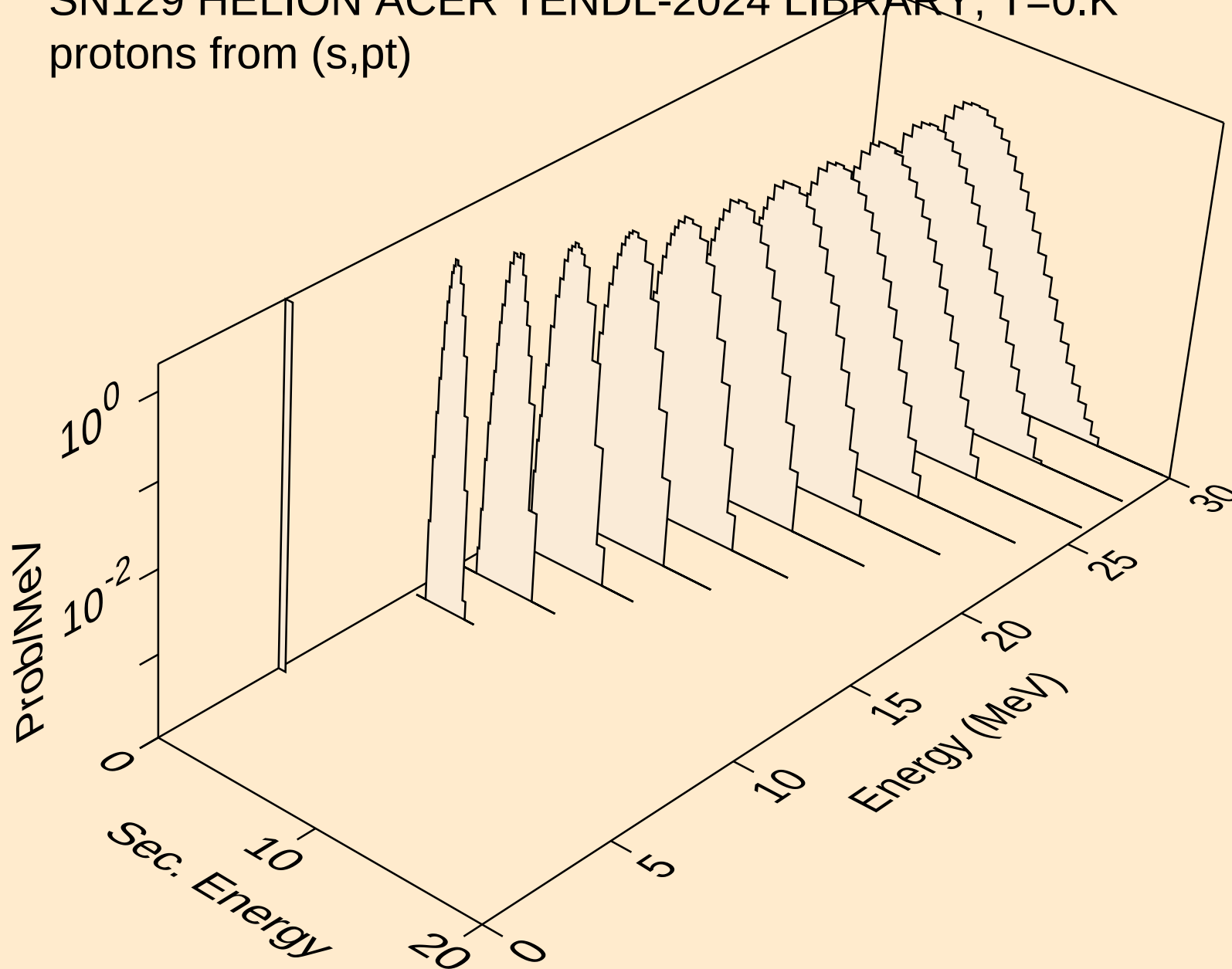
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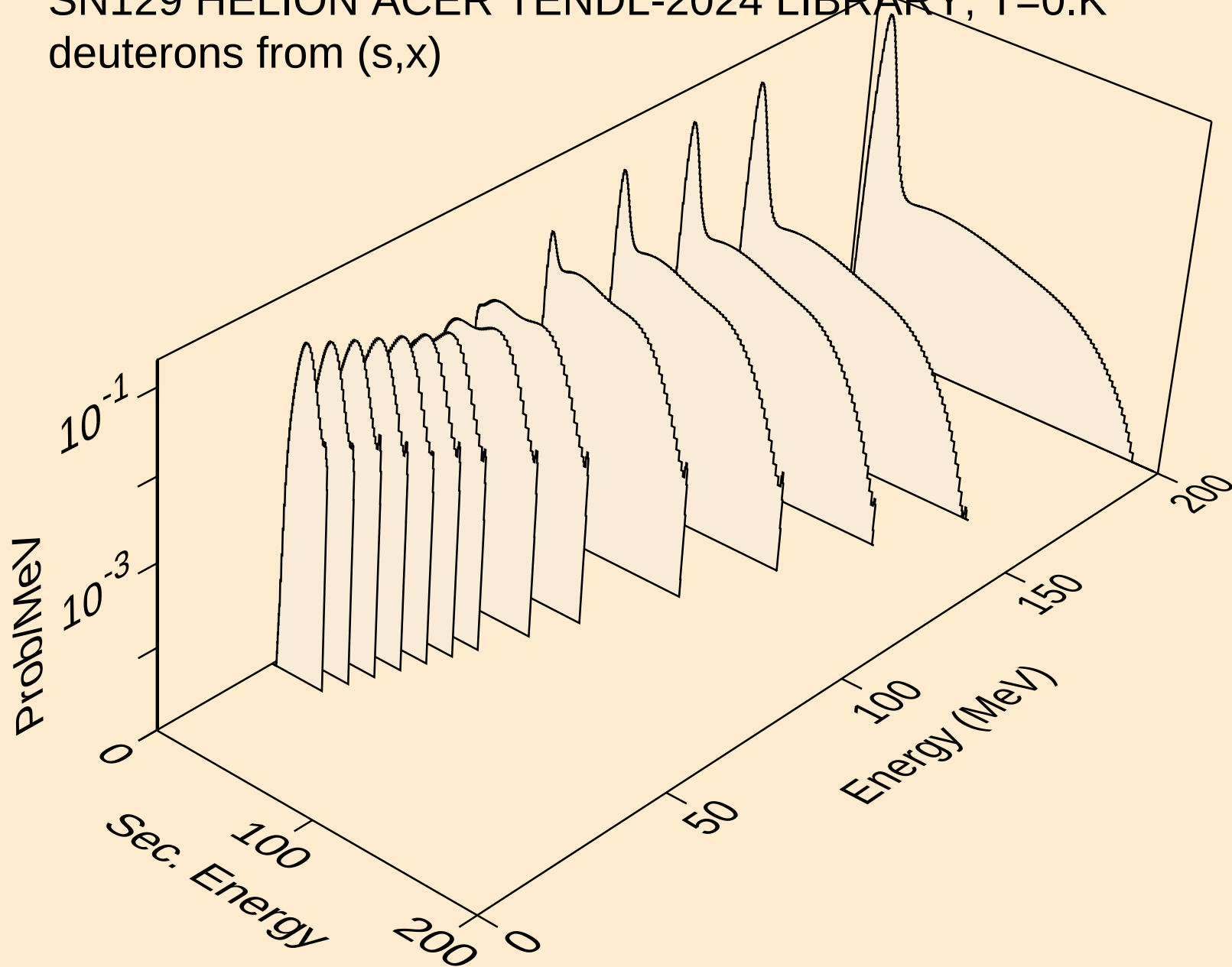
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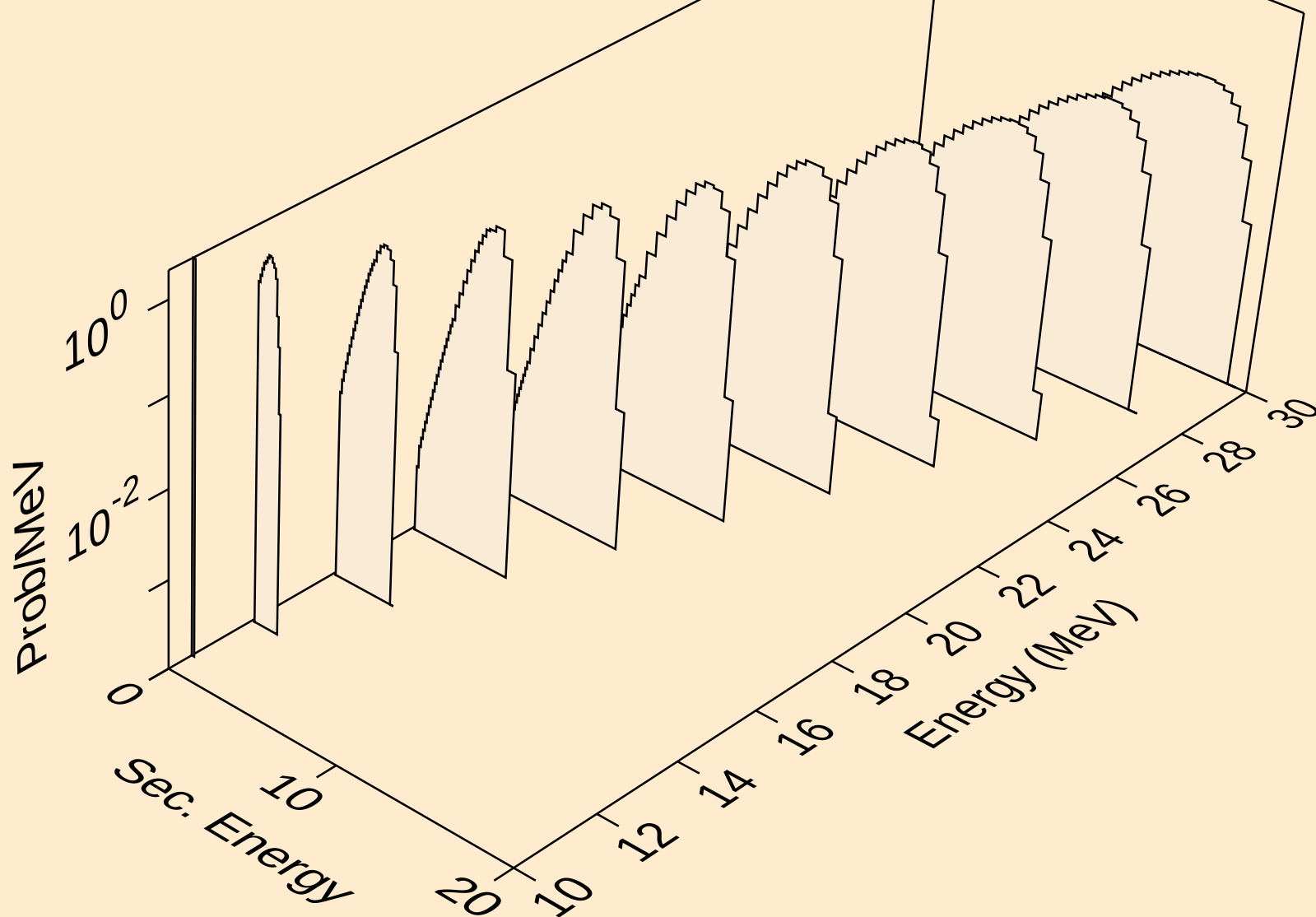
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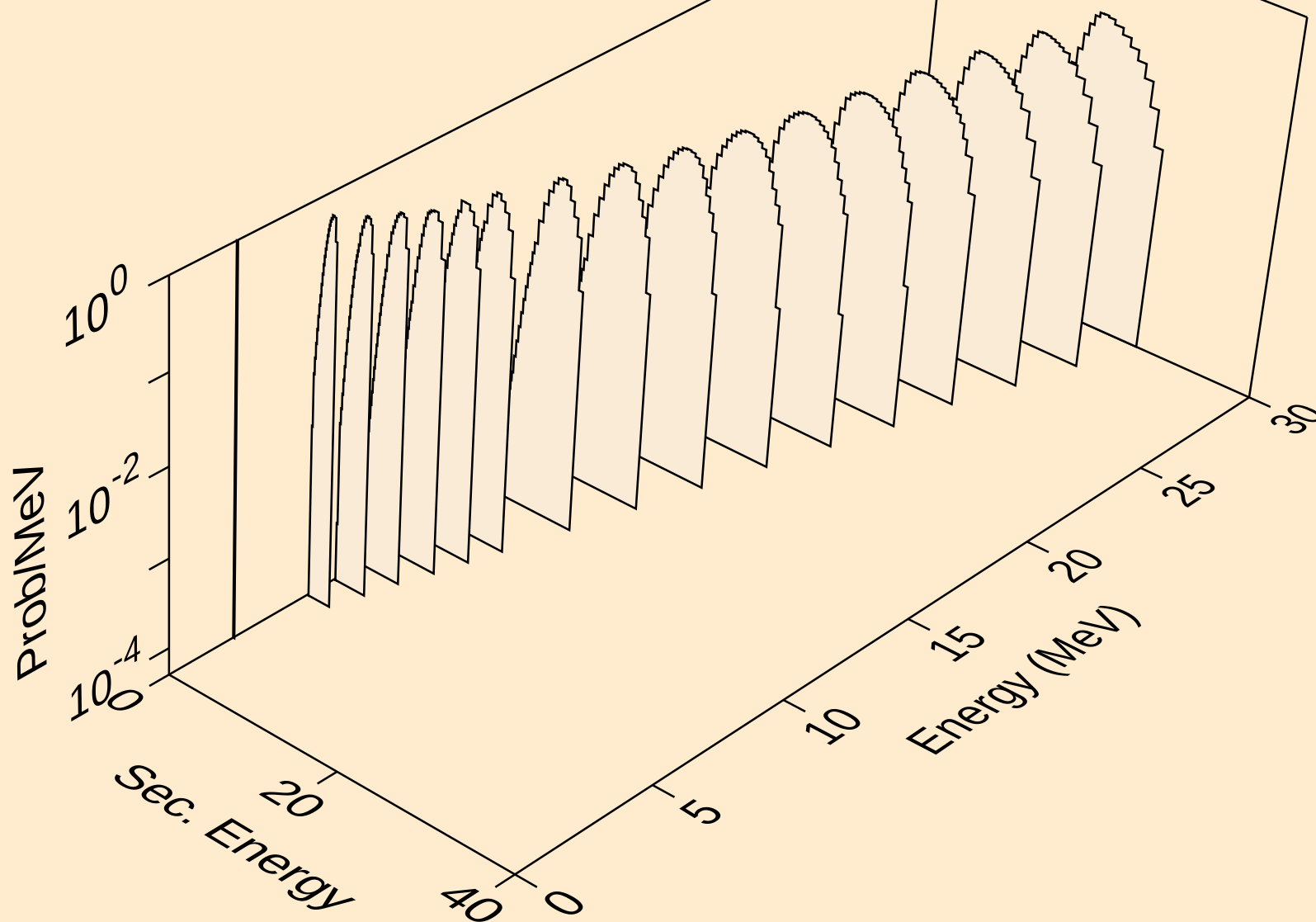
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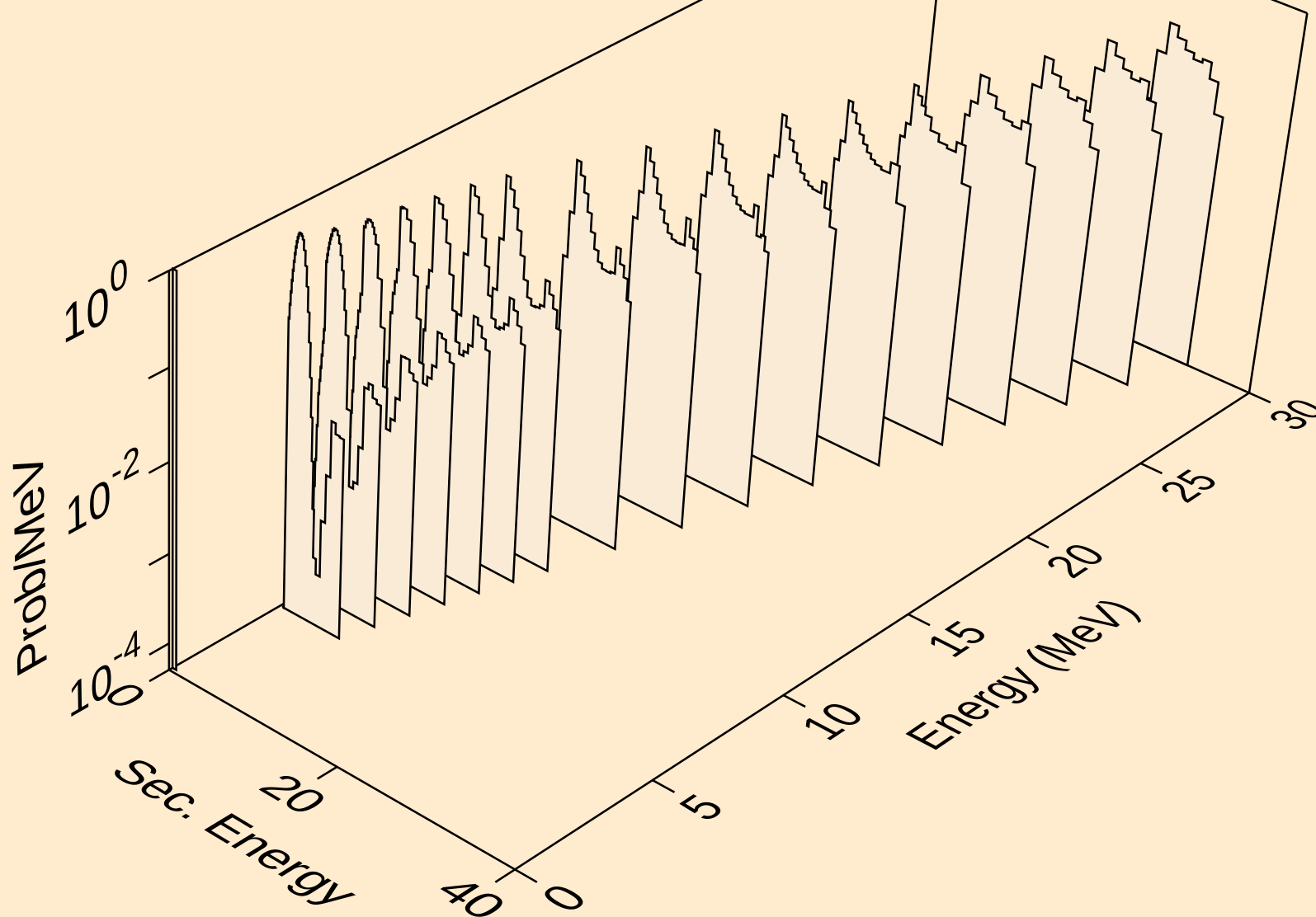
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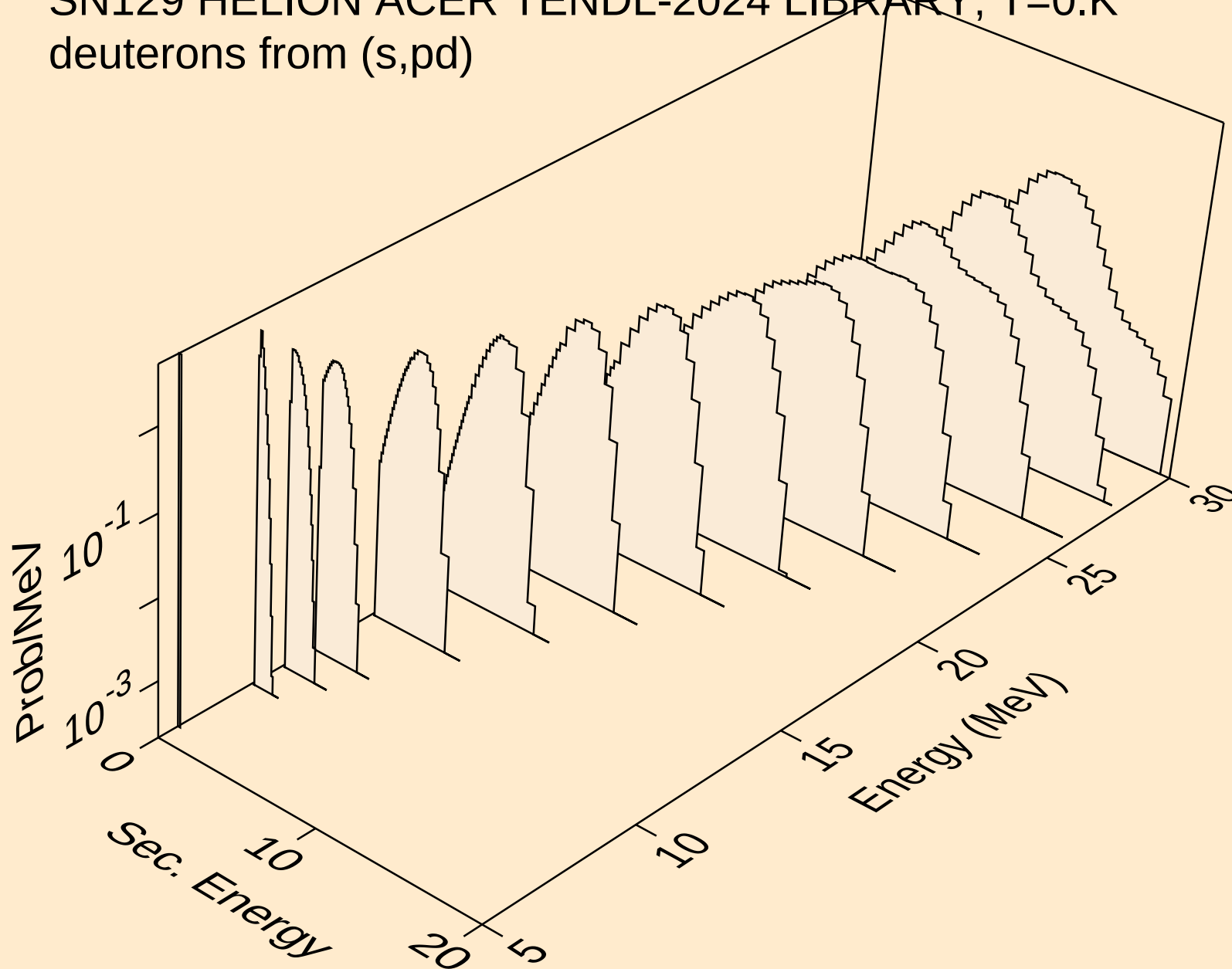
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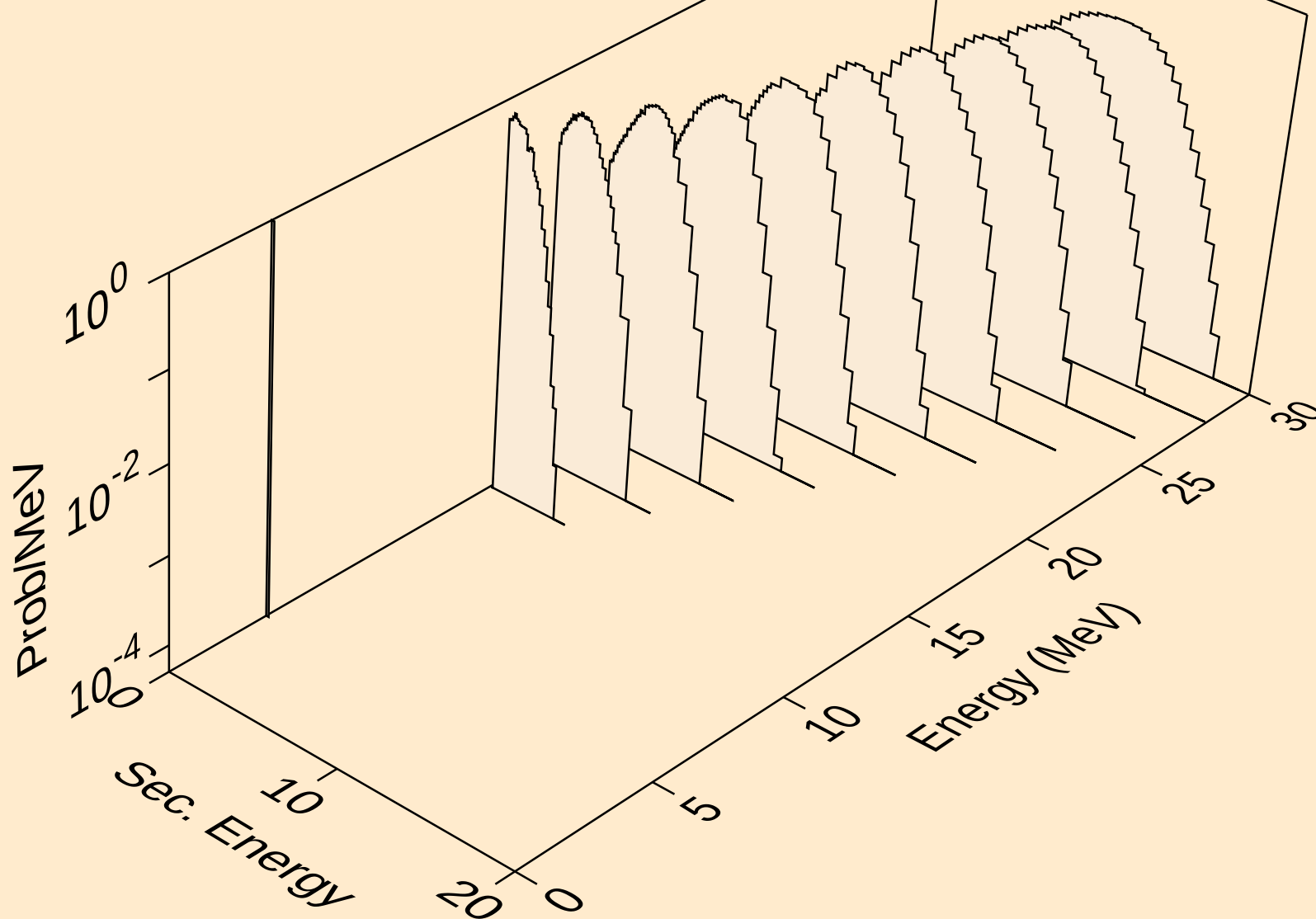
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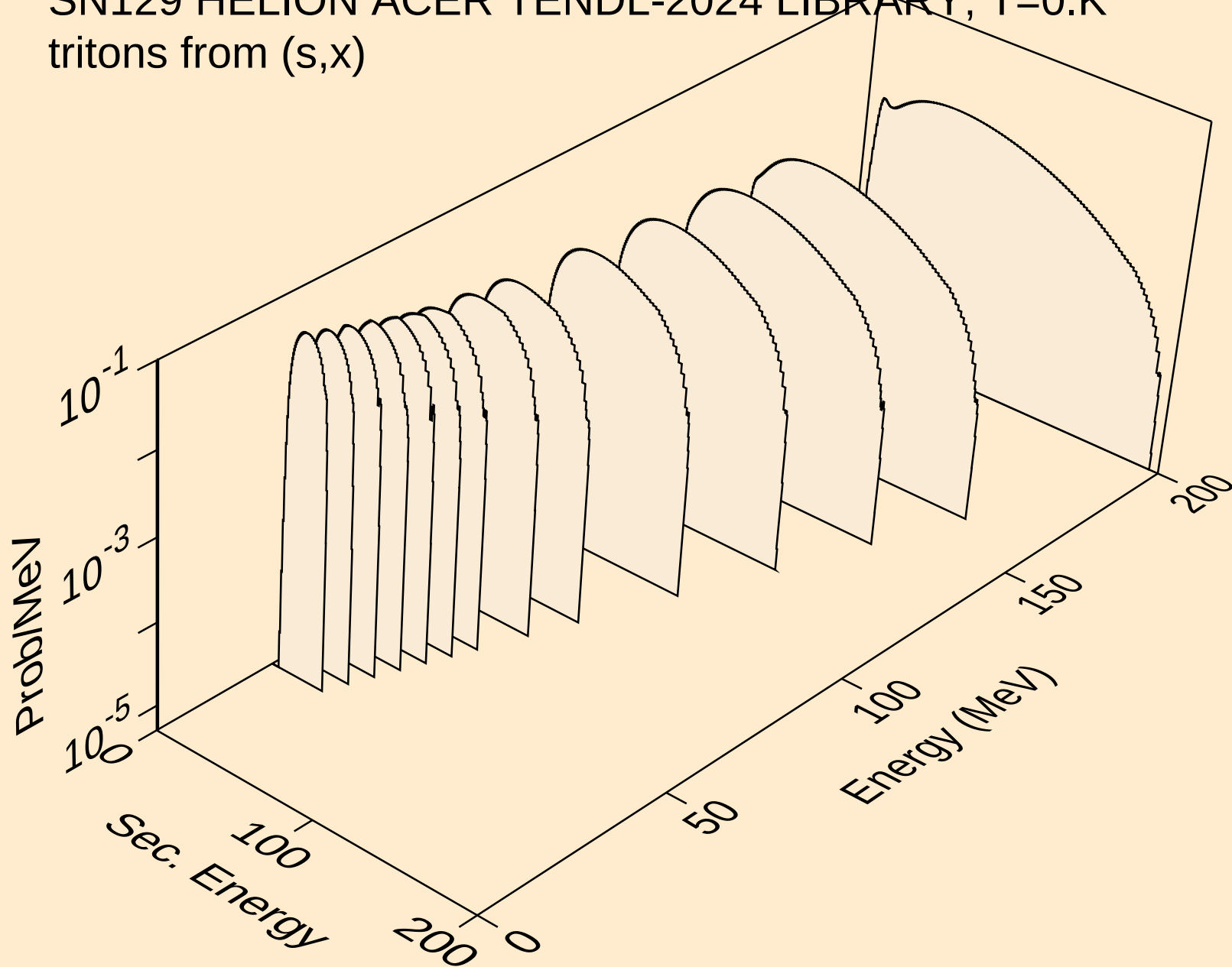
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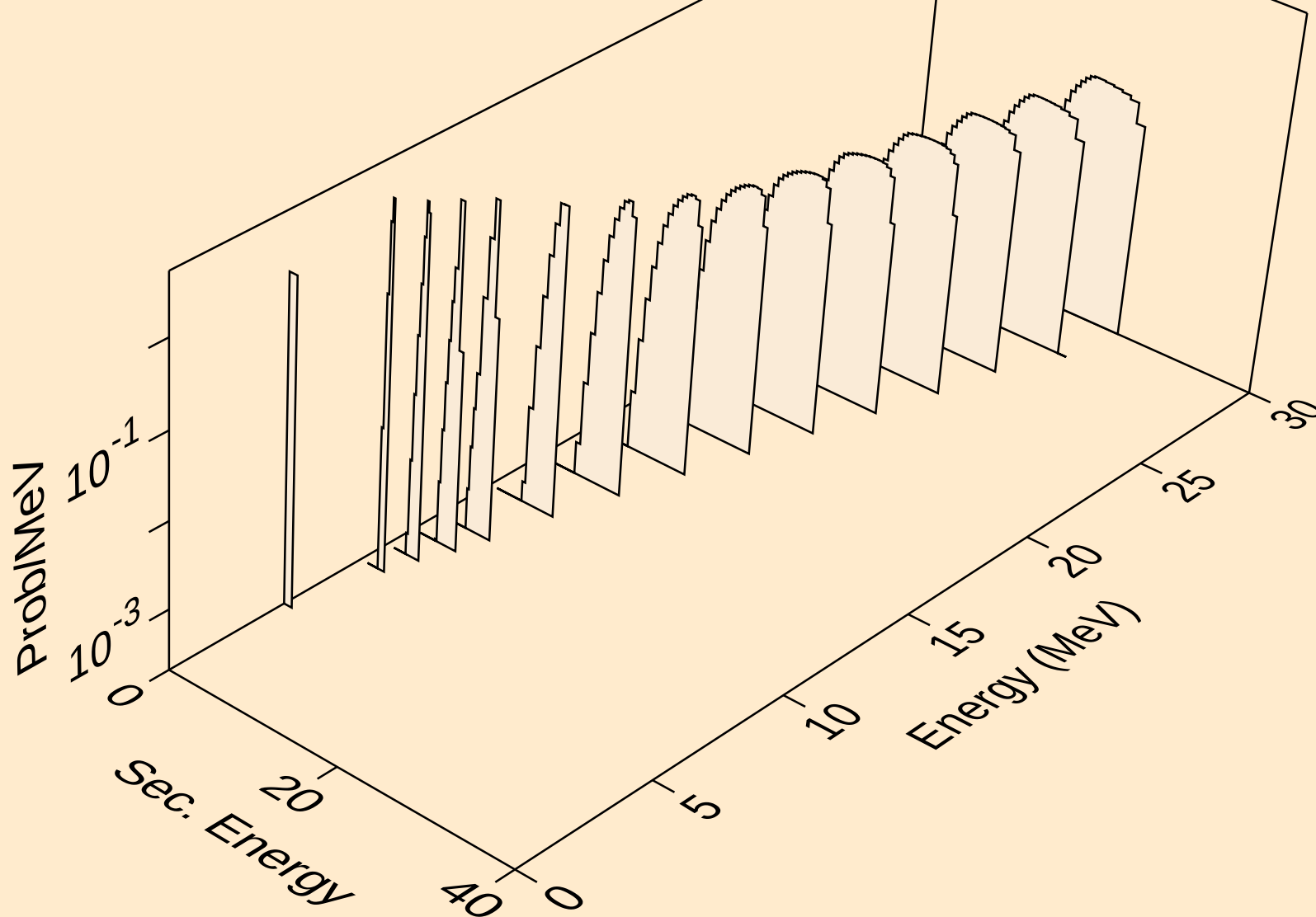
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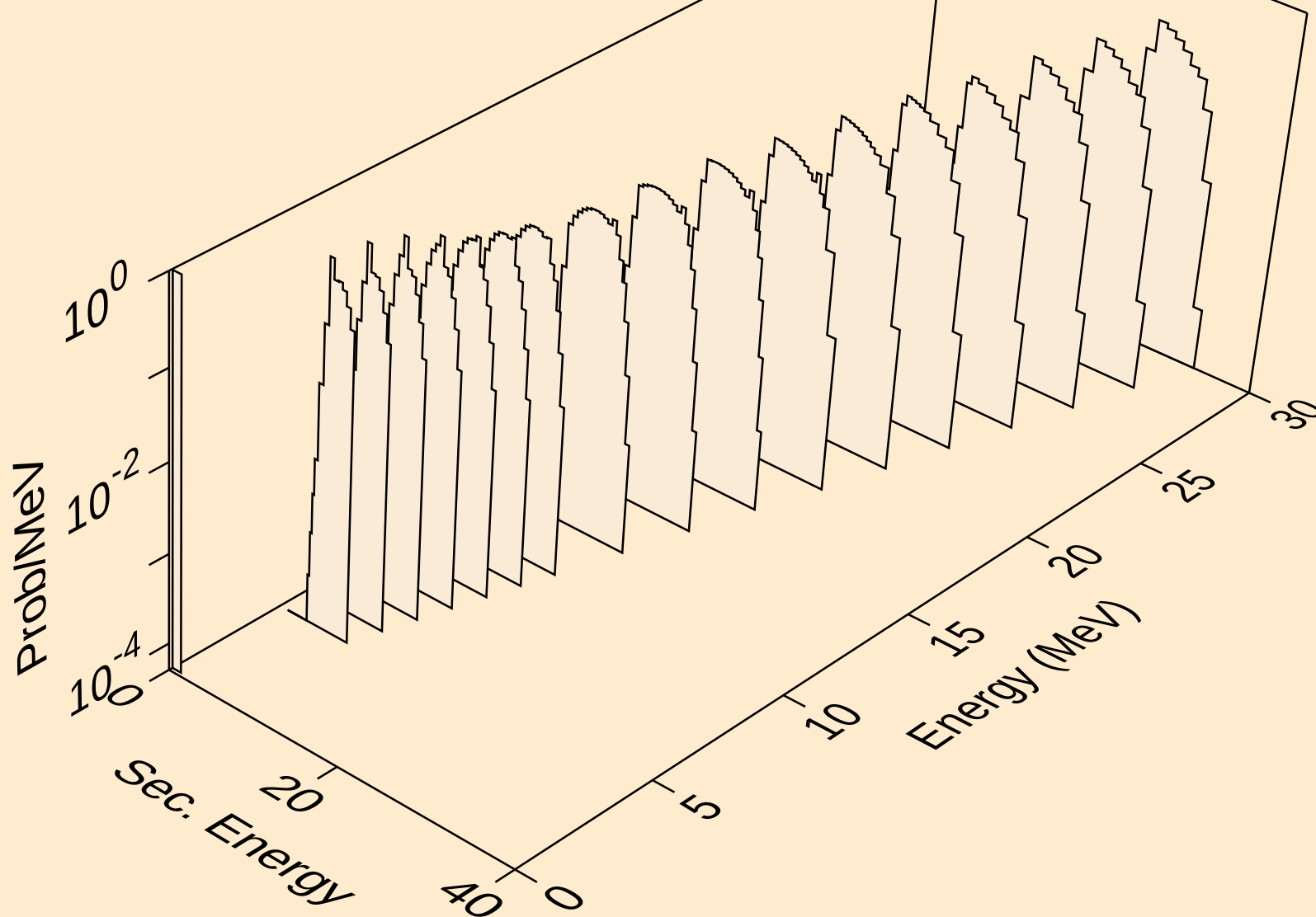
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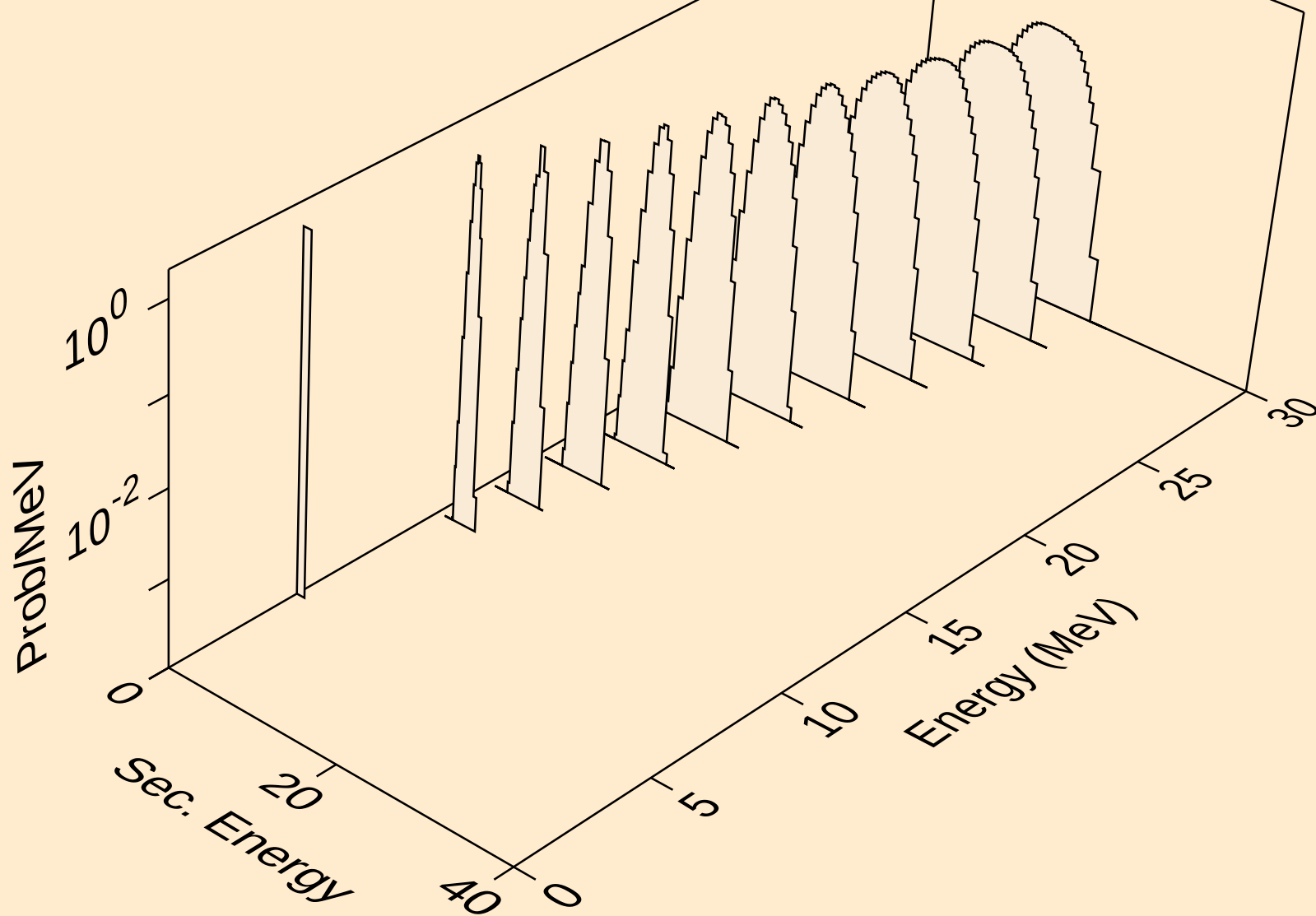
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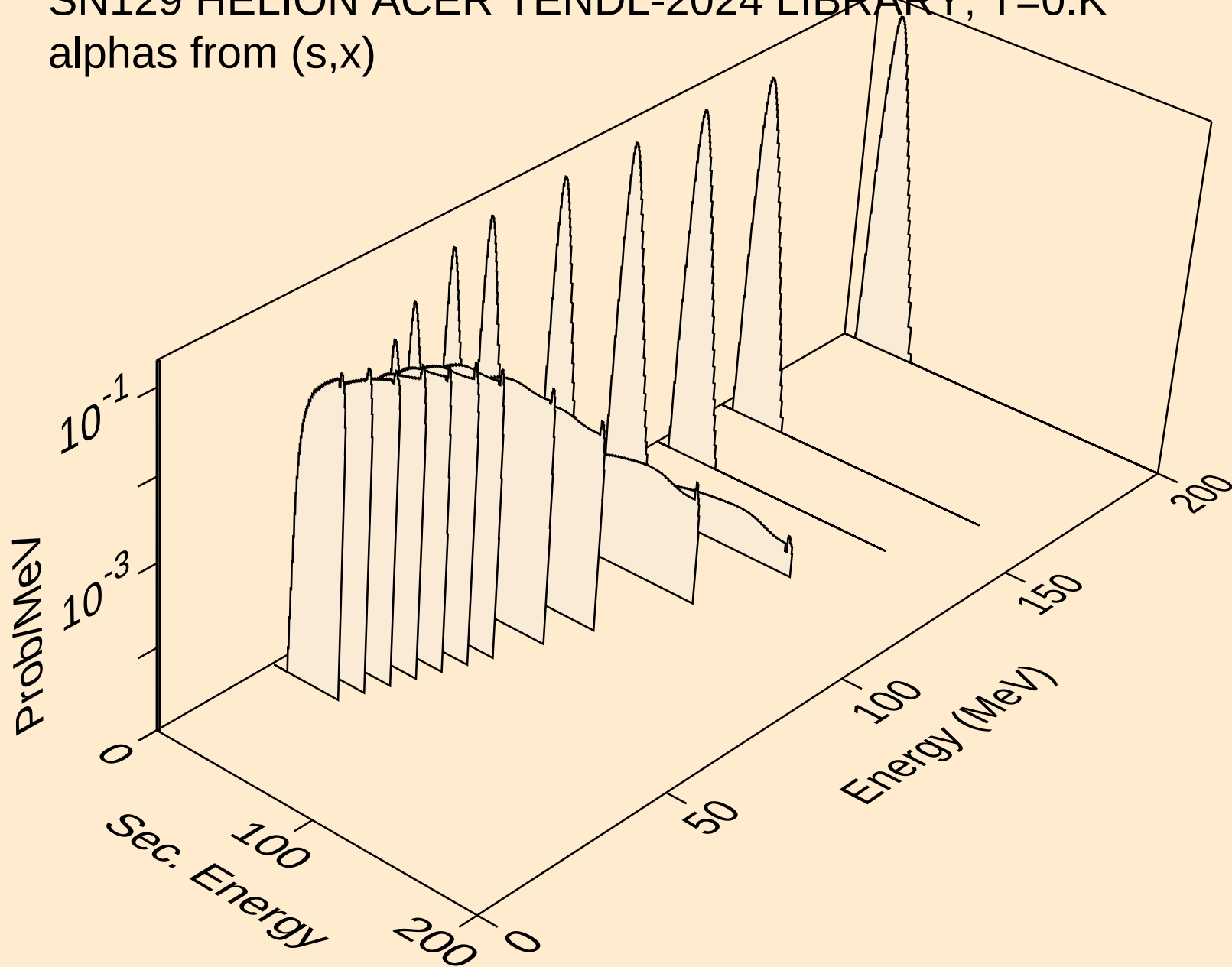
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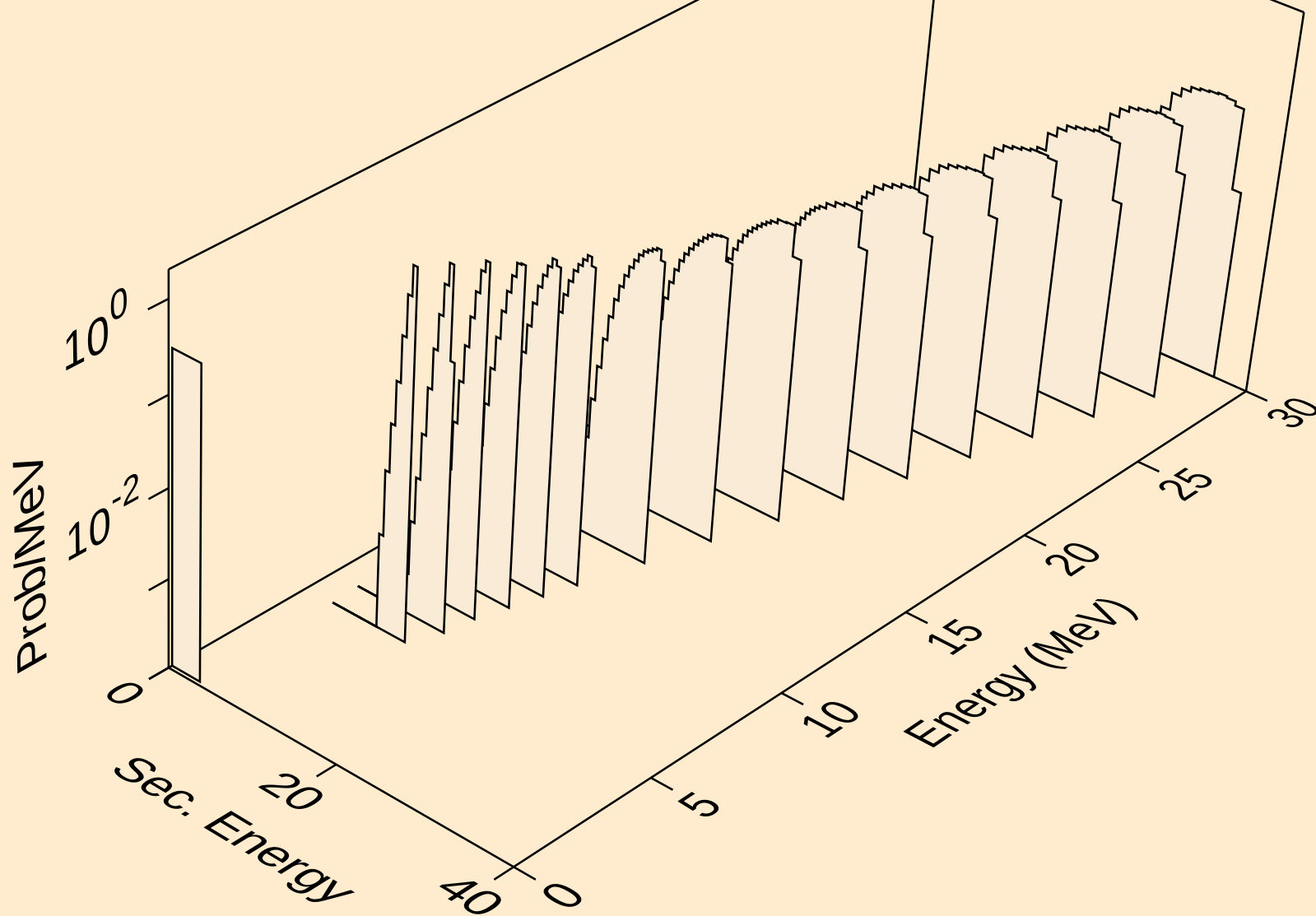
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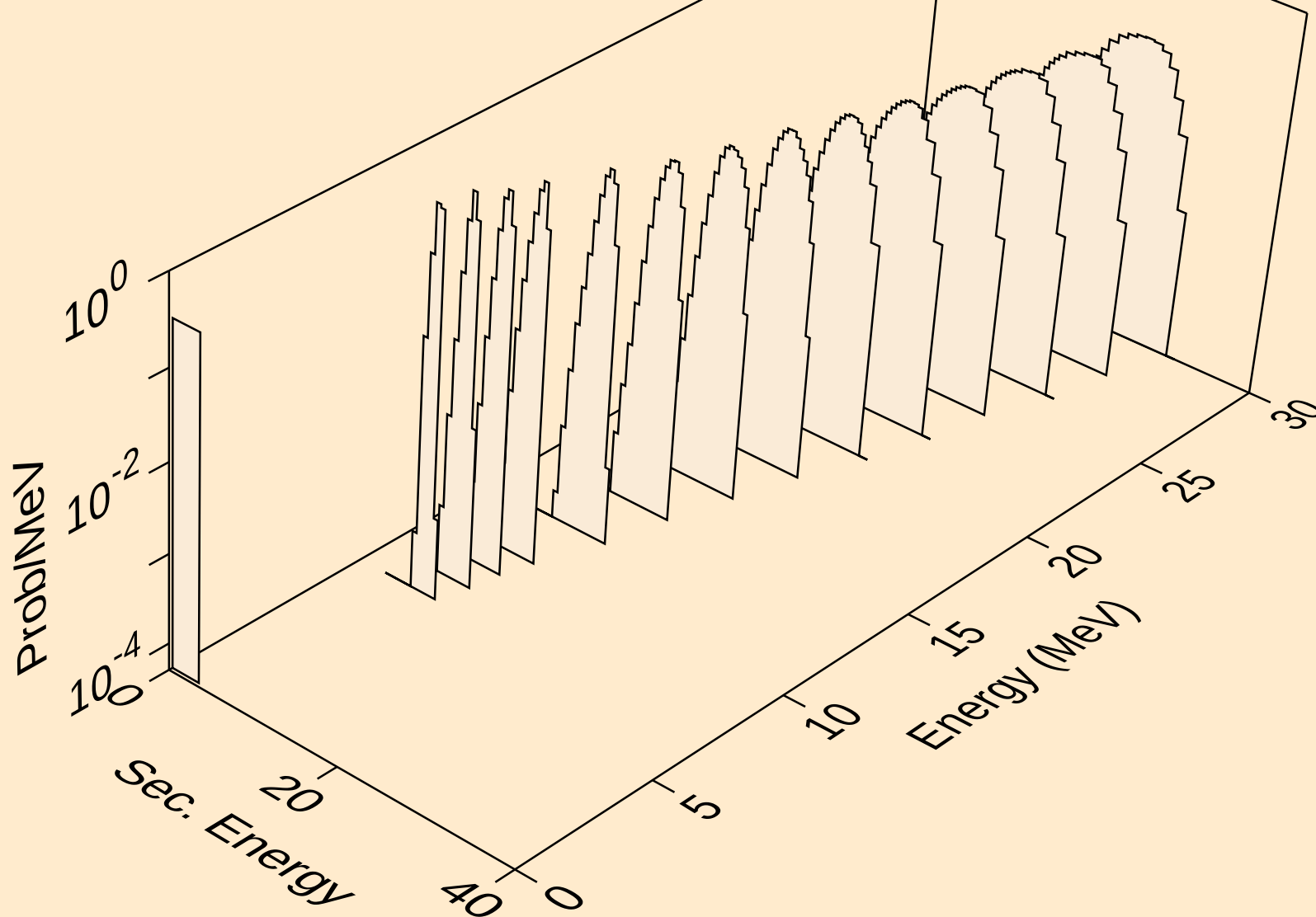
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alphas from (s,x)



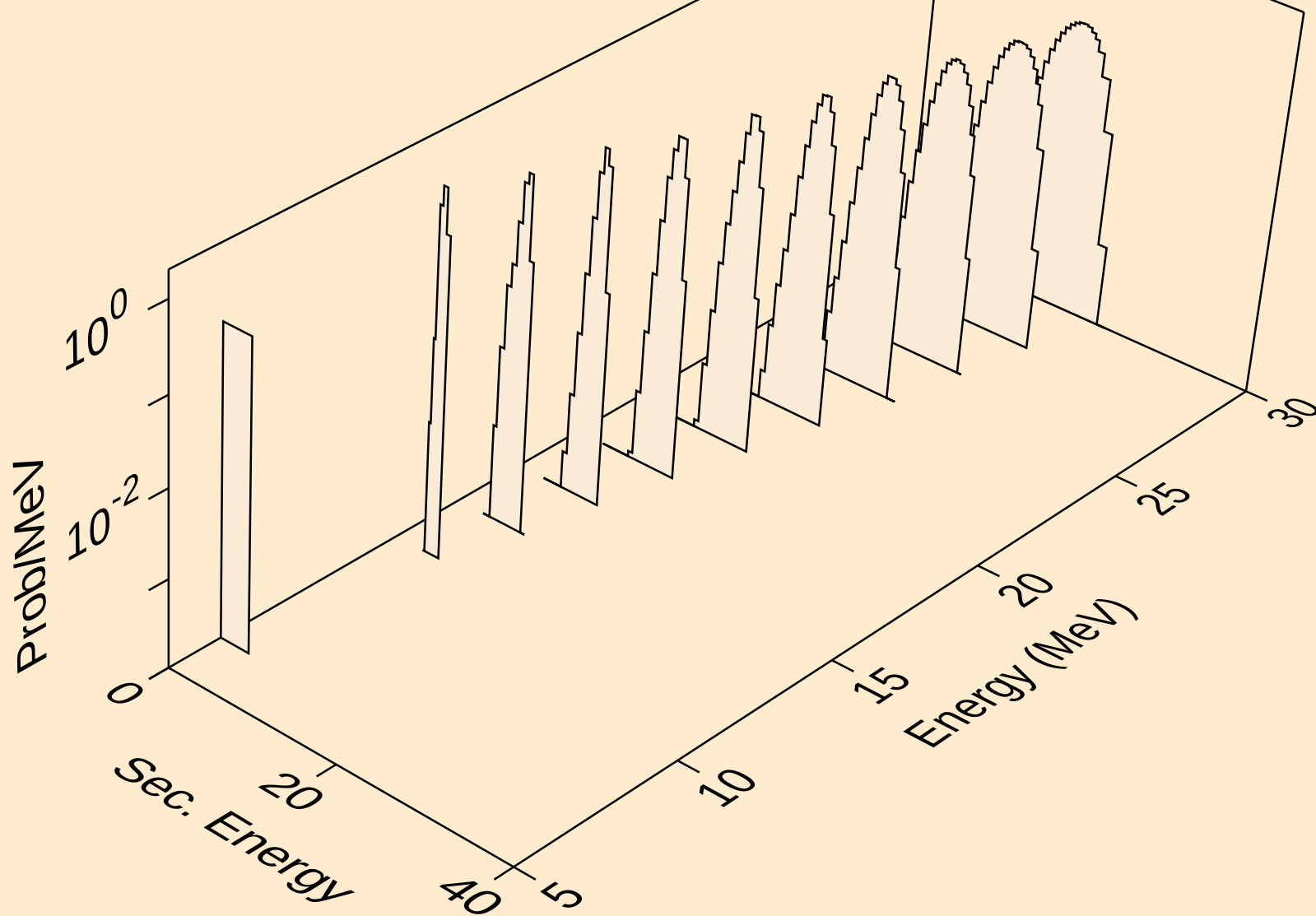
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alphas from (s,n\*)a



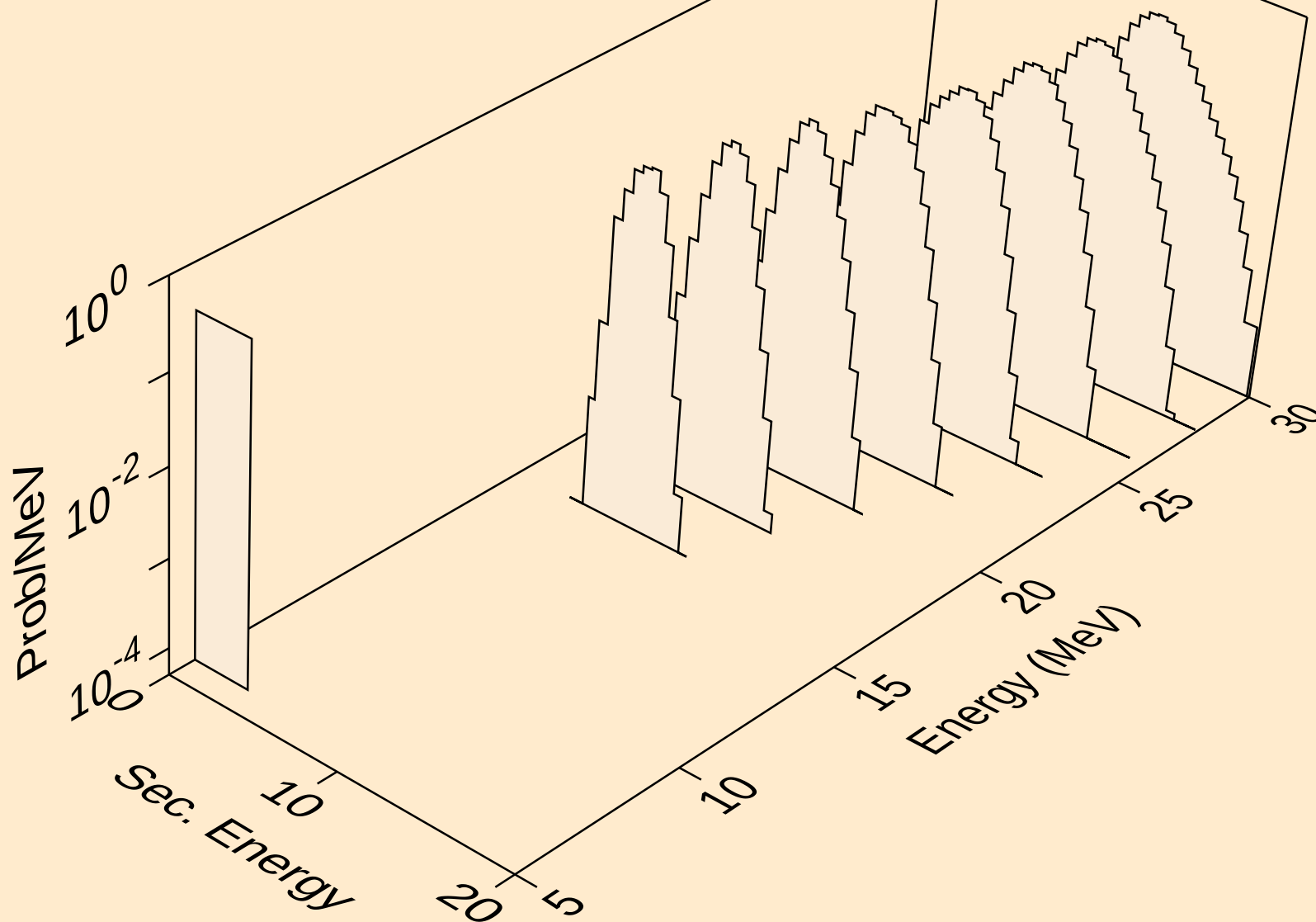
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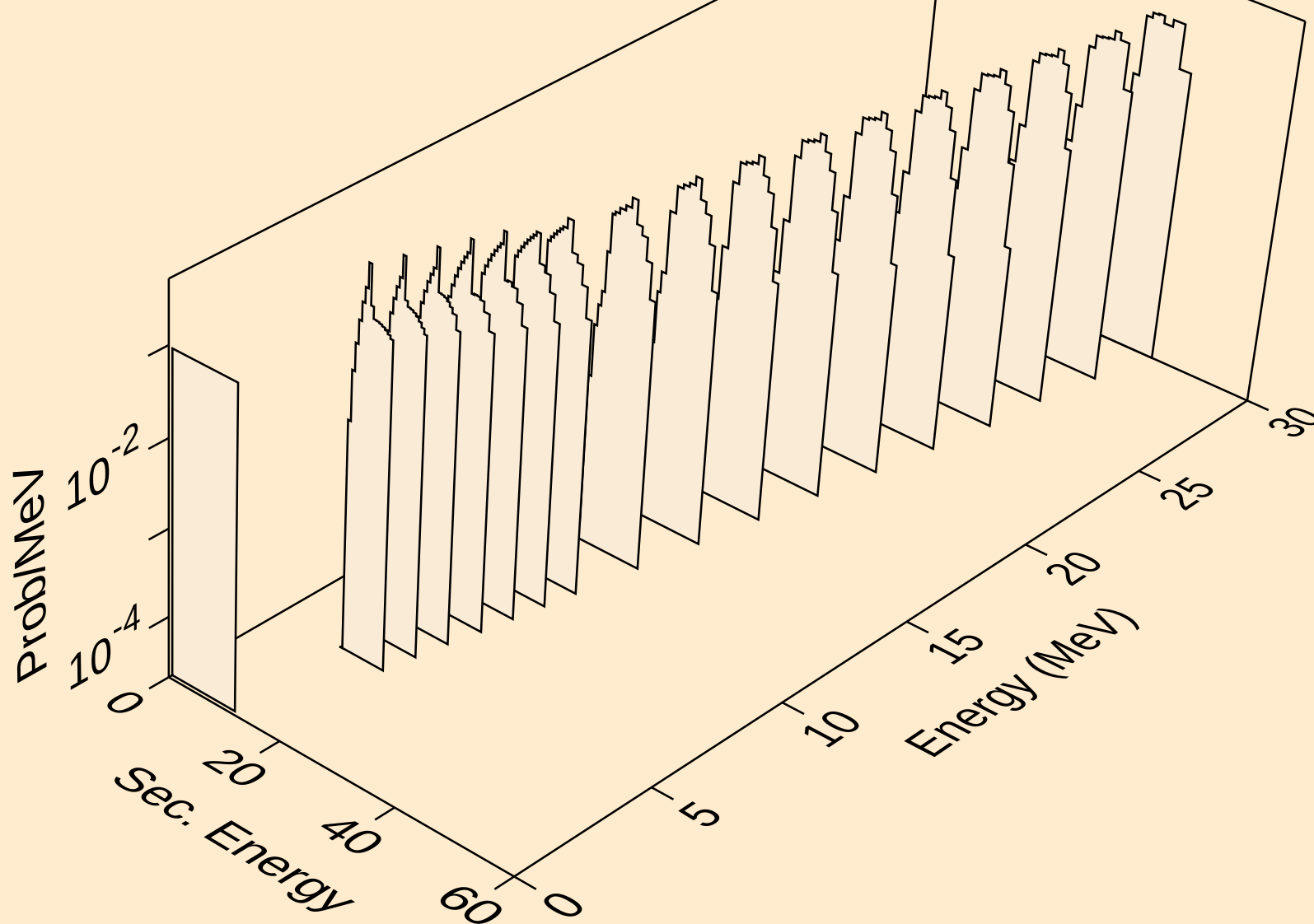
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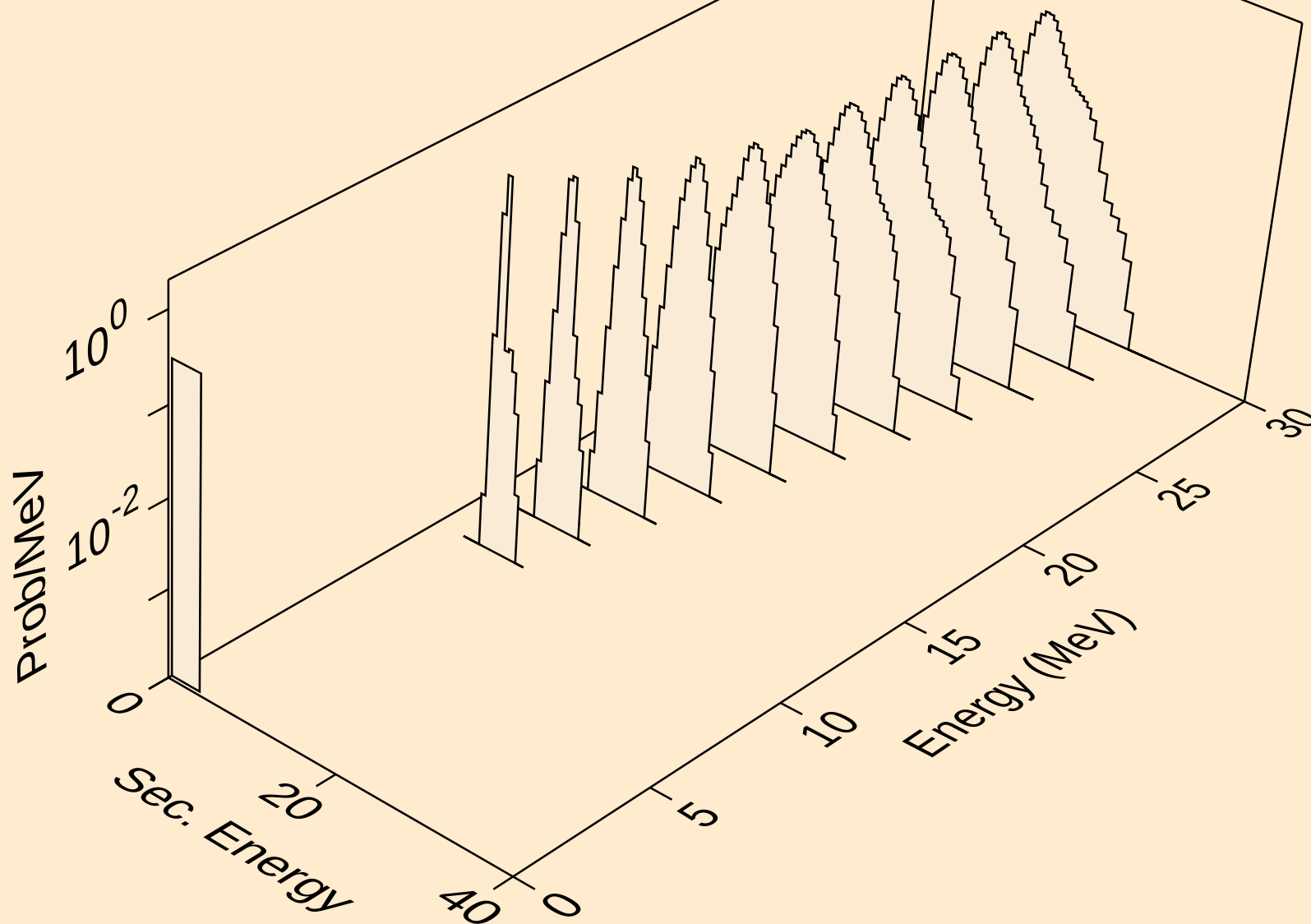
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alphas from (s,npa)



SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,a)



SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,pa)



SN129 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,da)

