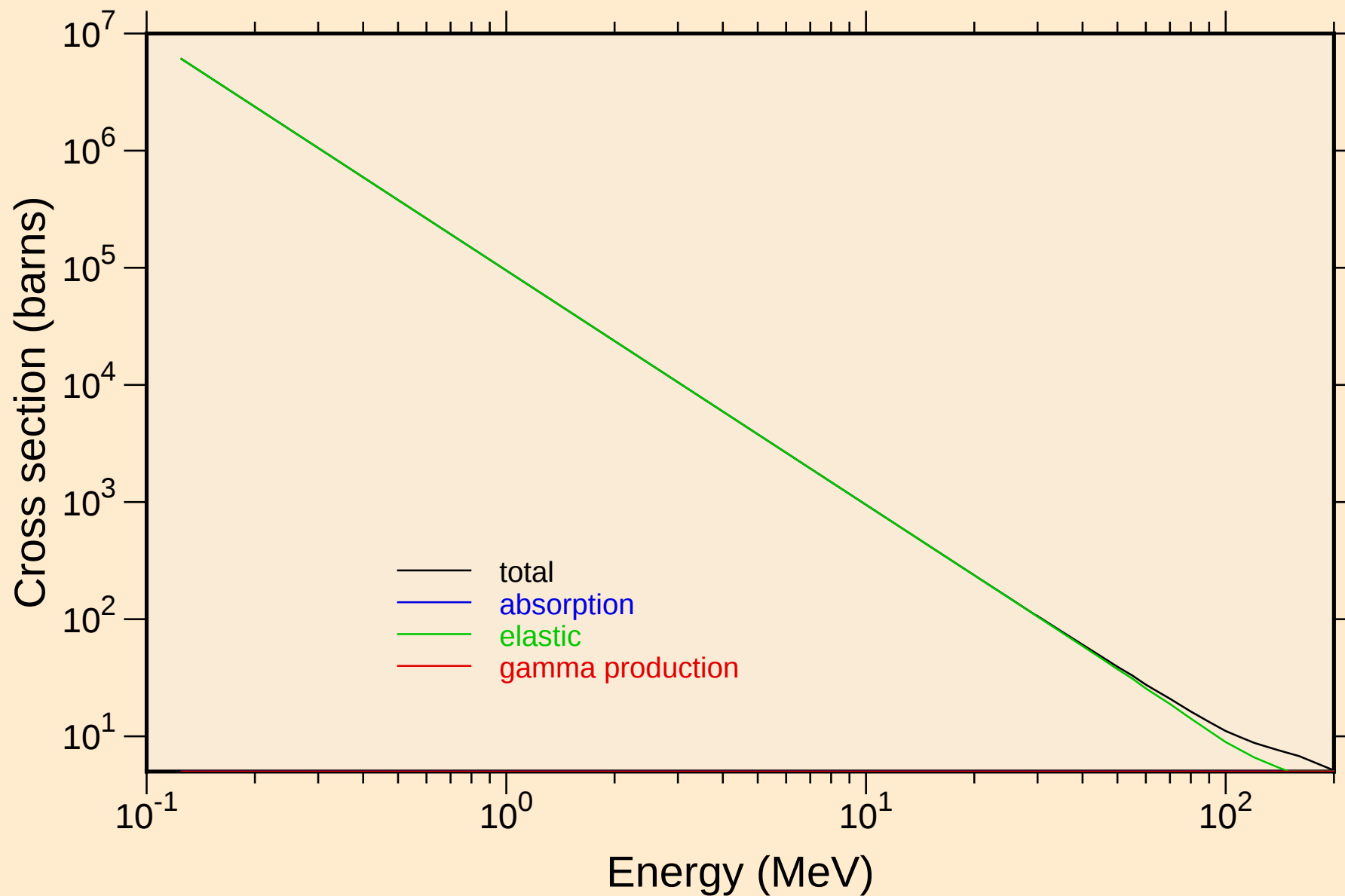


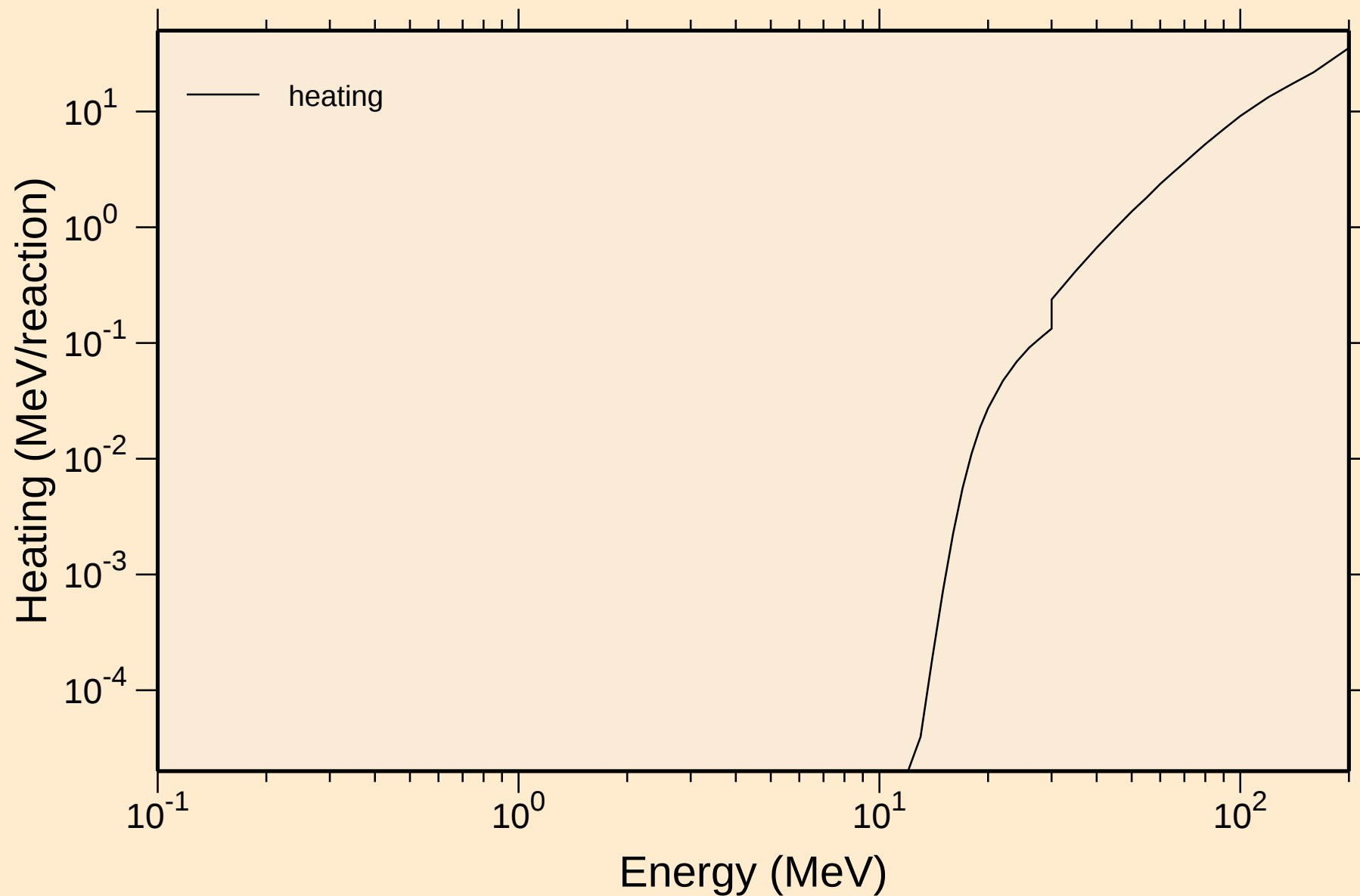
# PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



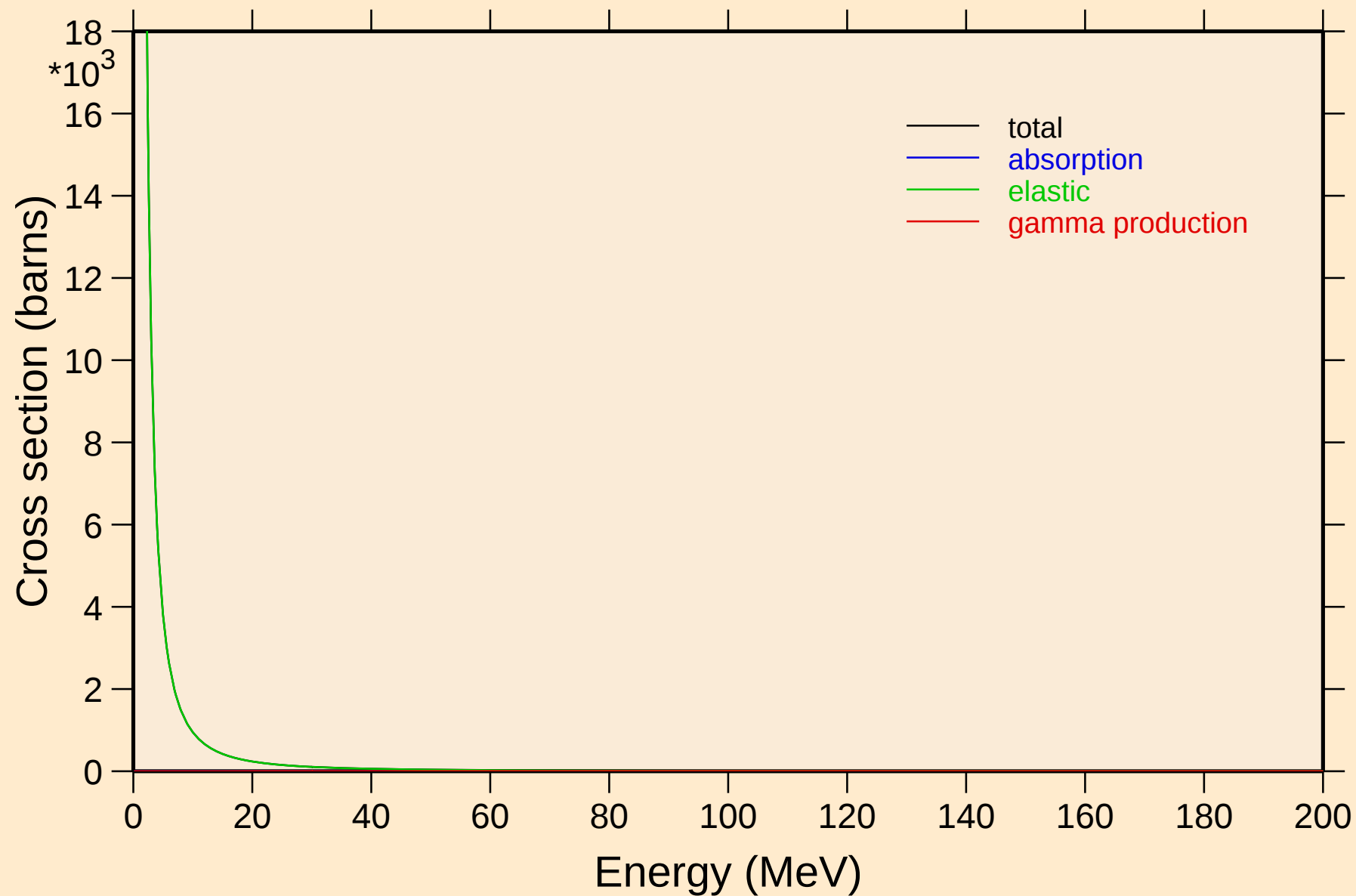
PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K

Heating



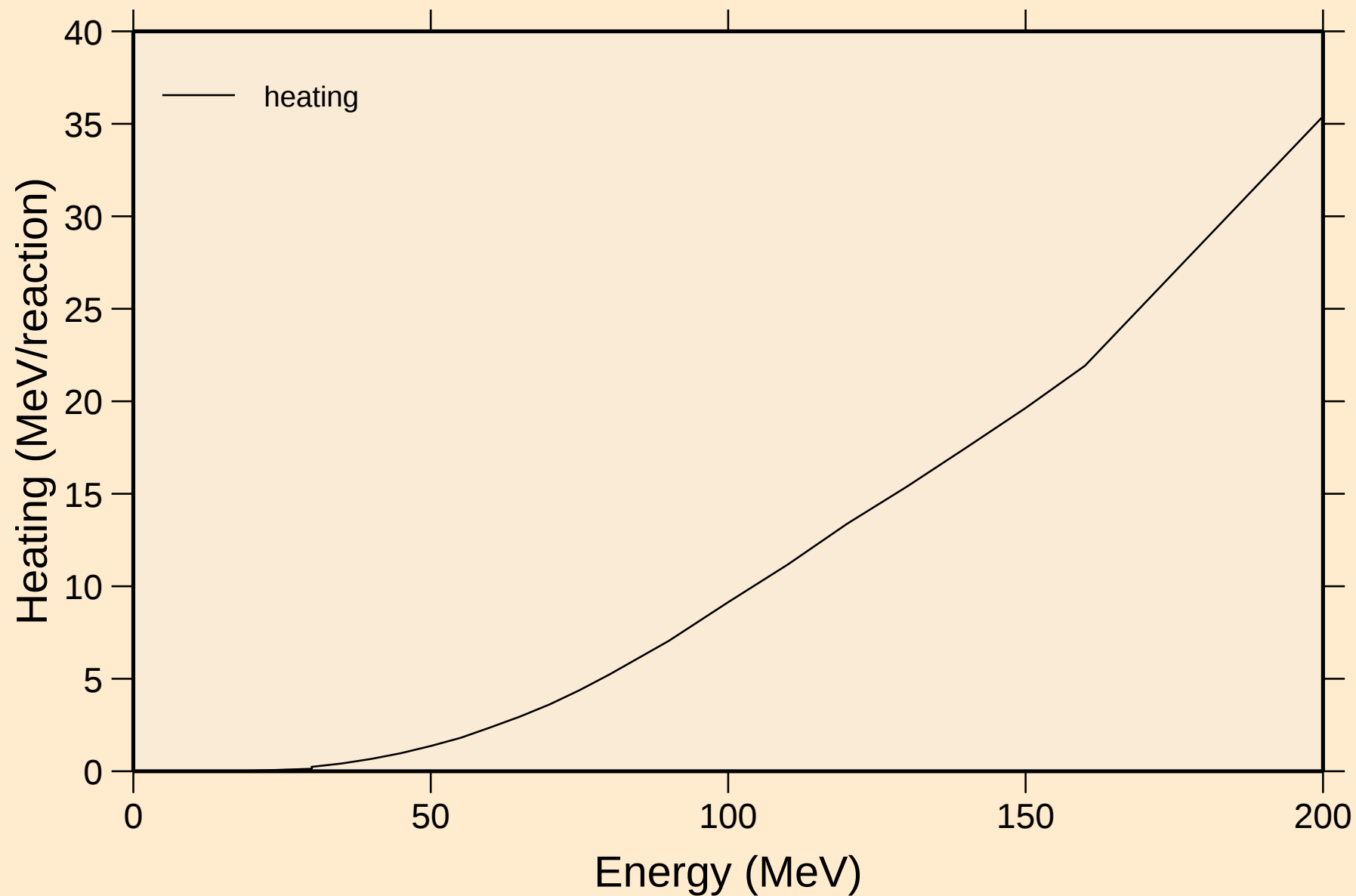
# PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



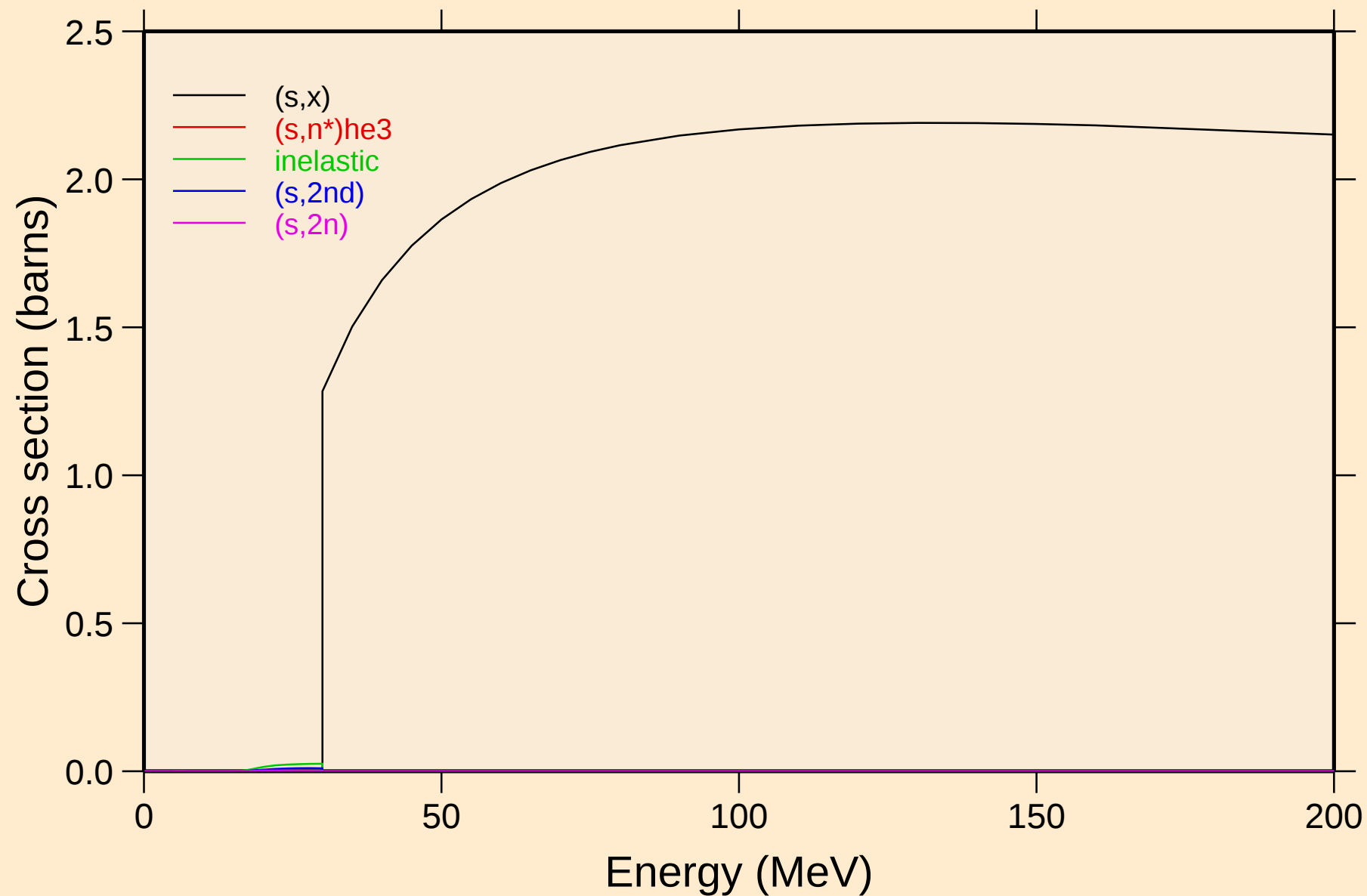
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Heating



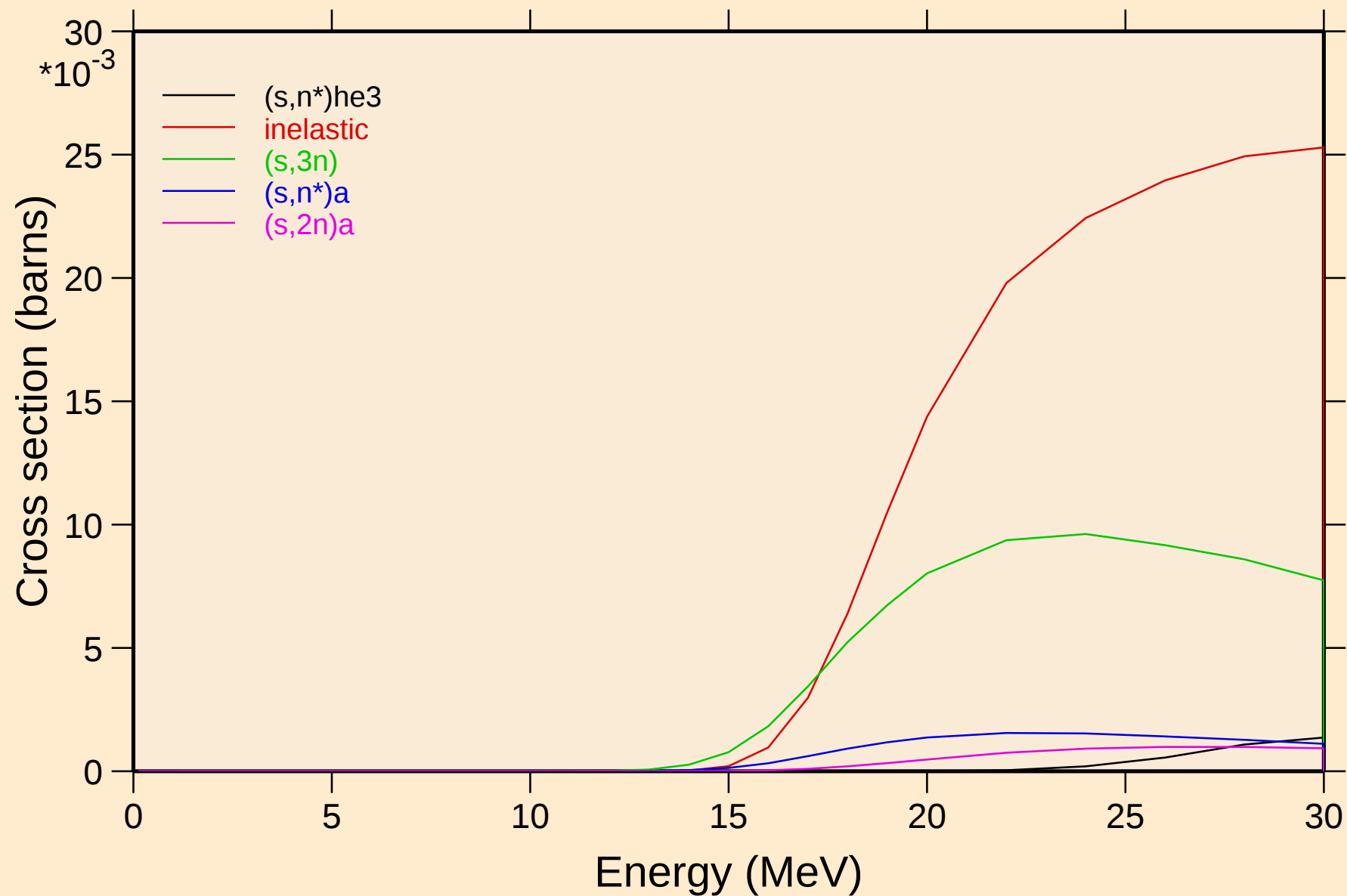
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## Threshold reactions



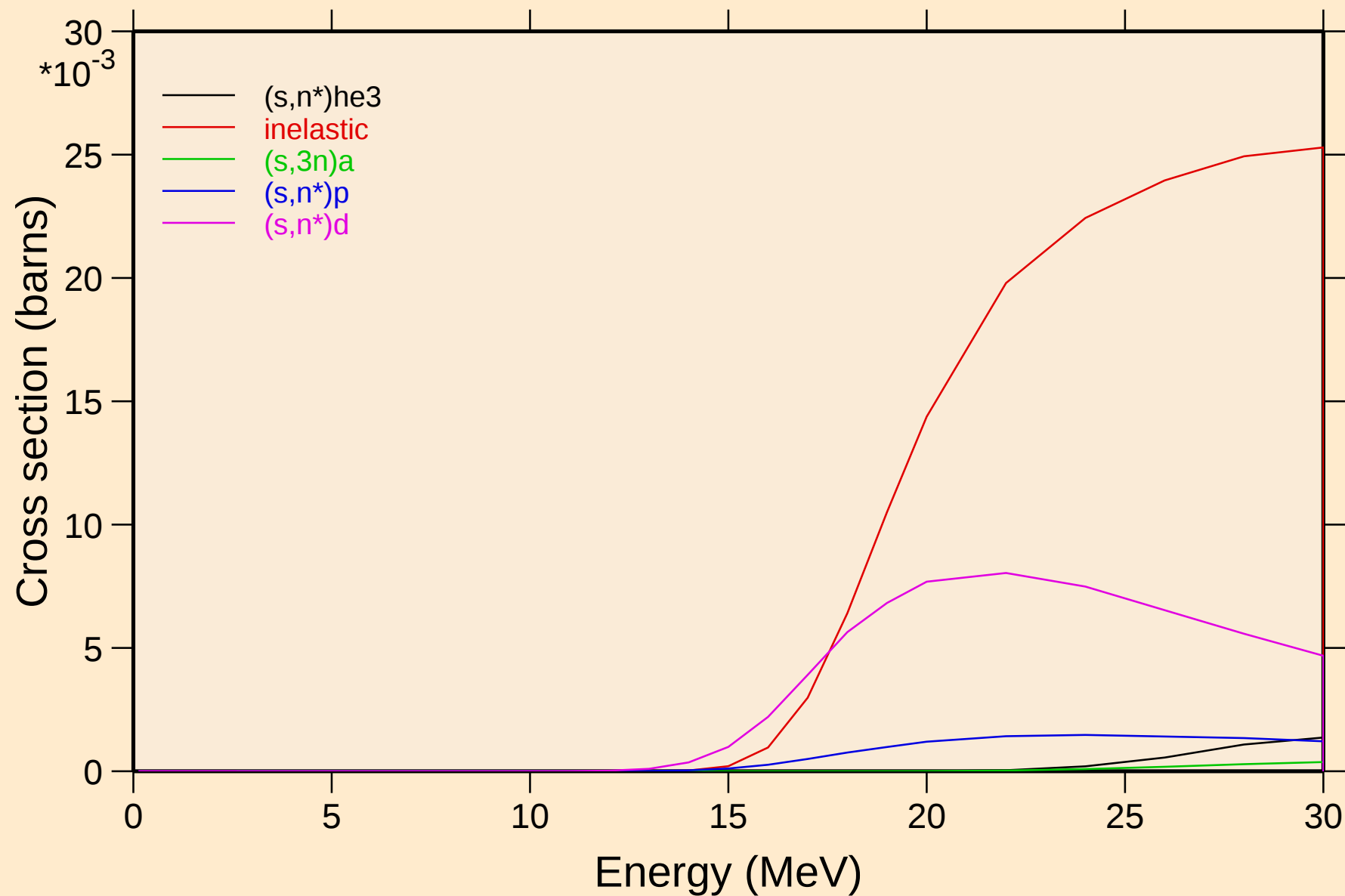
# PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



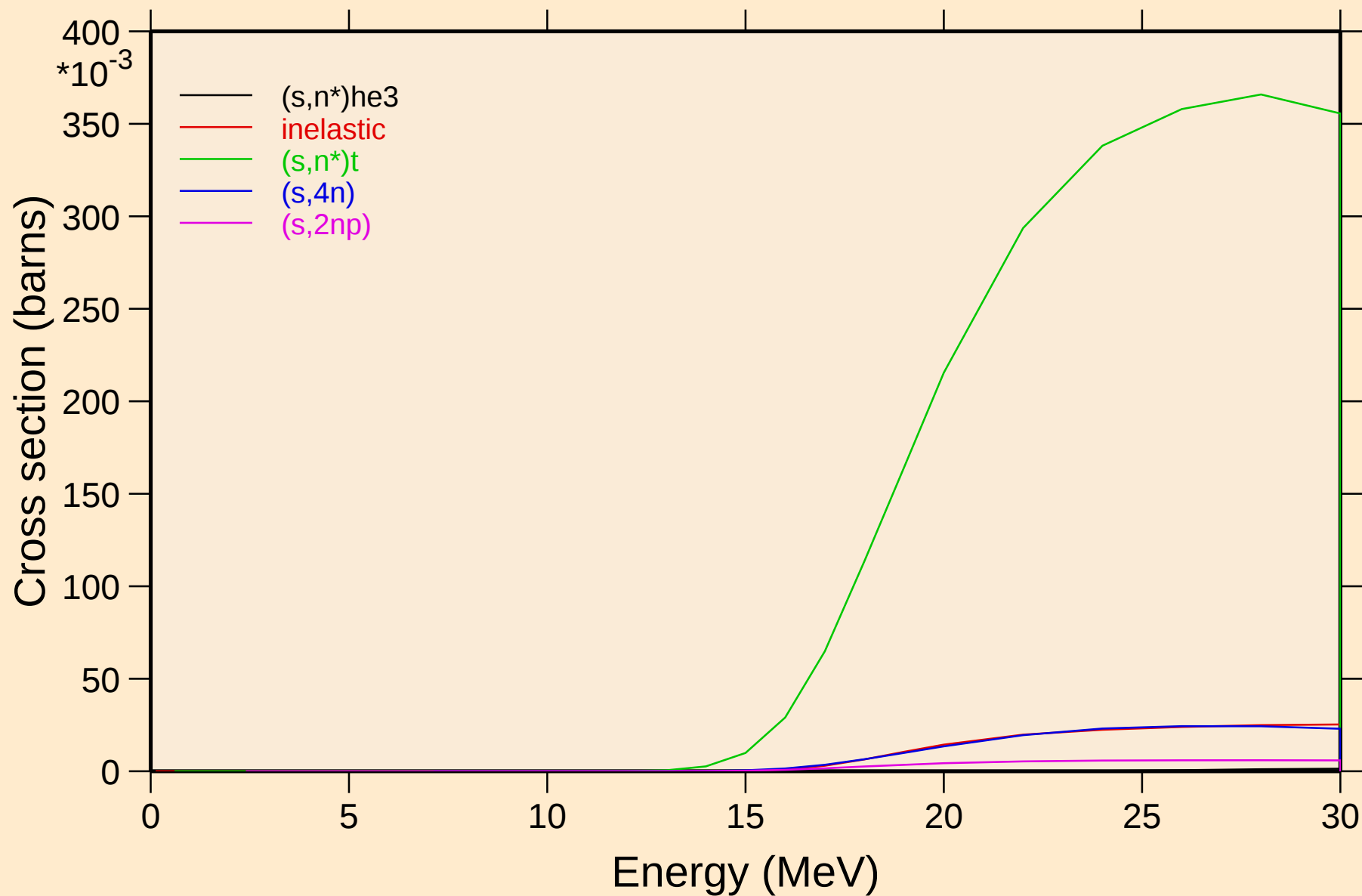
# PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions



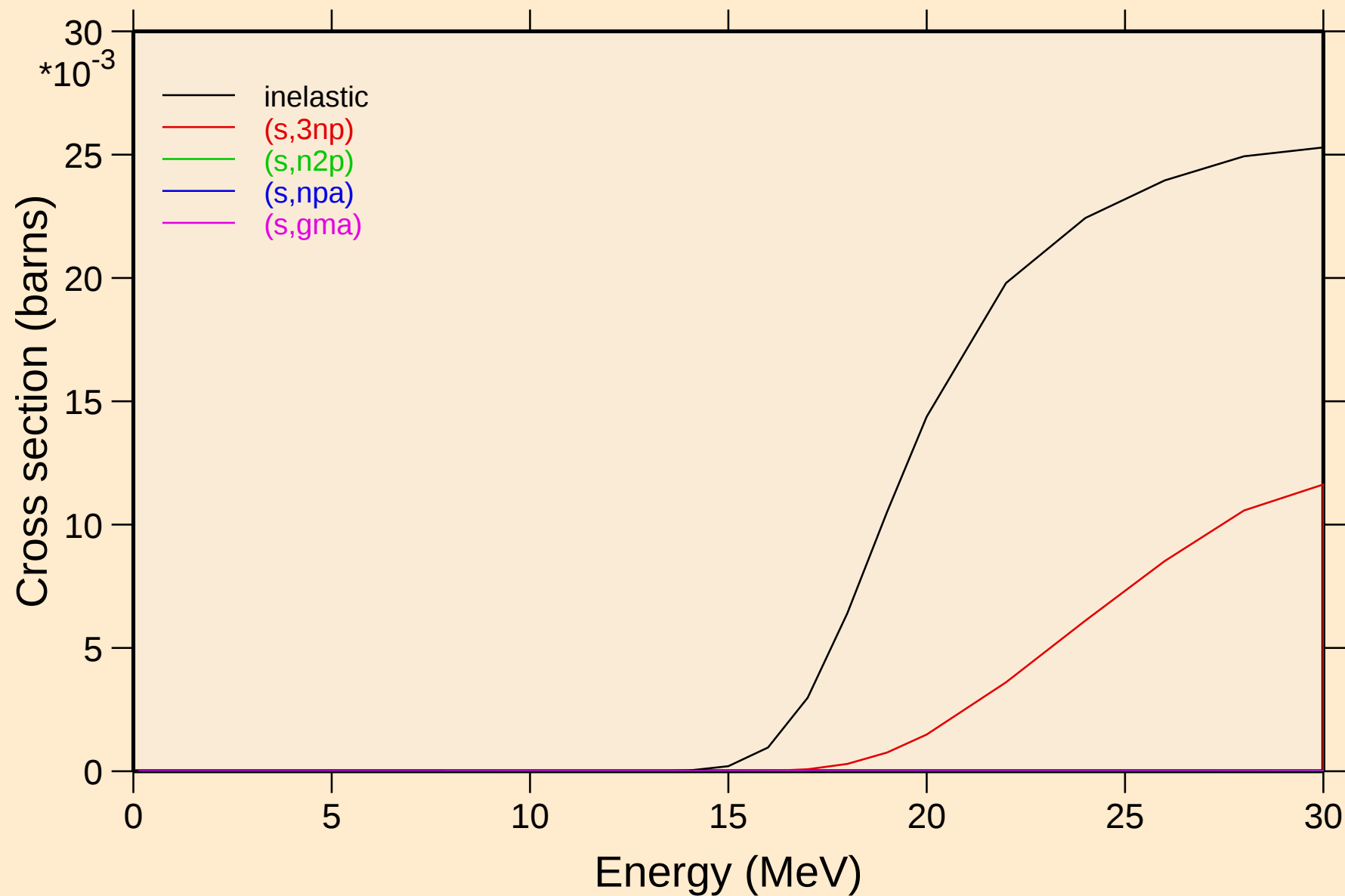
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## Threshold reactions

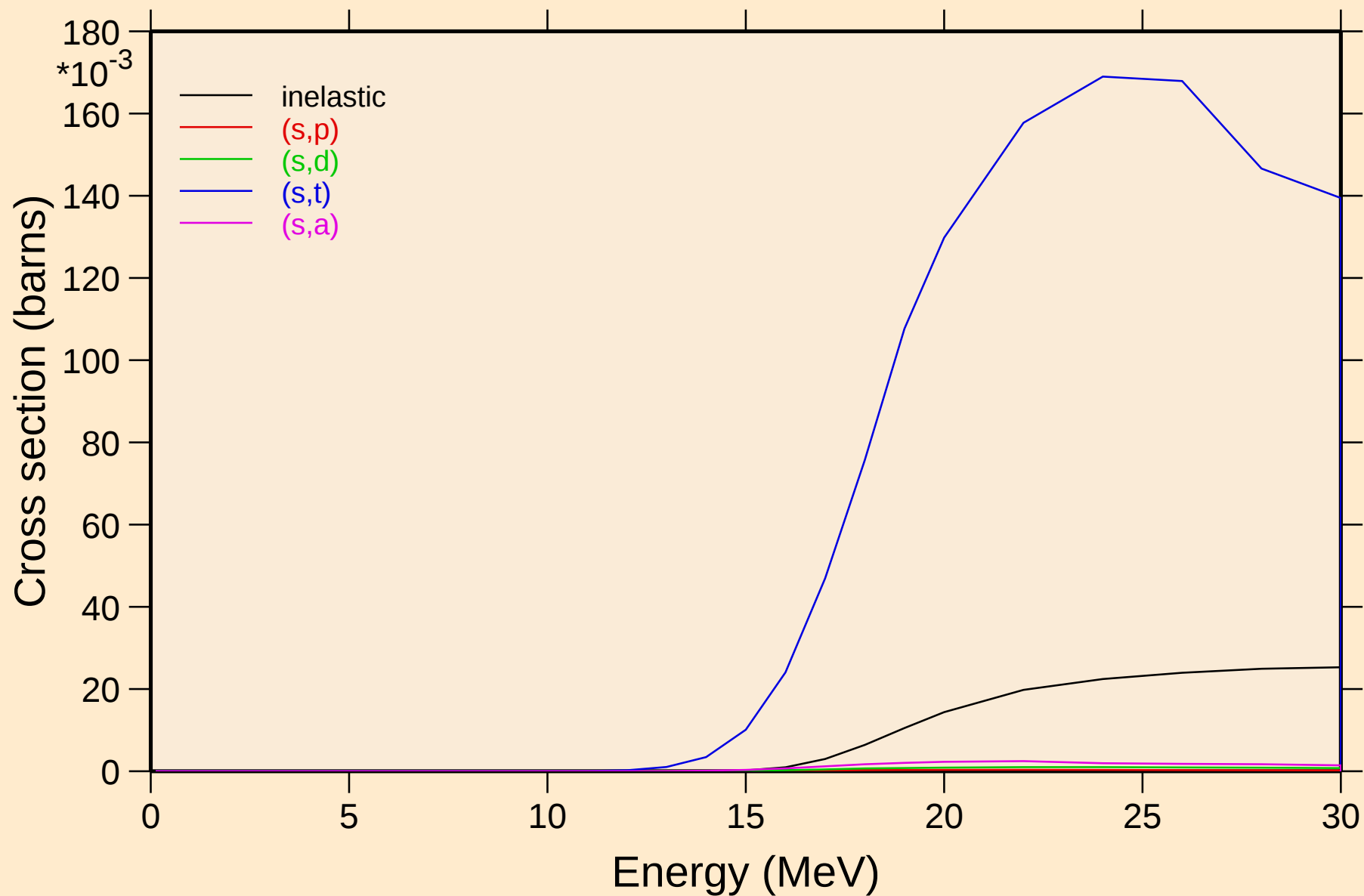


# PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

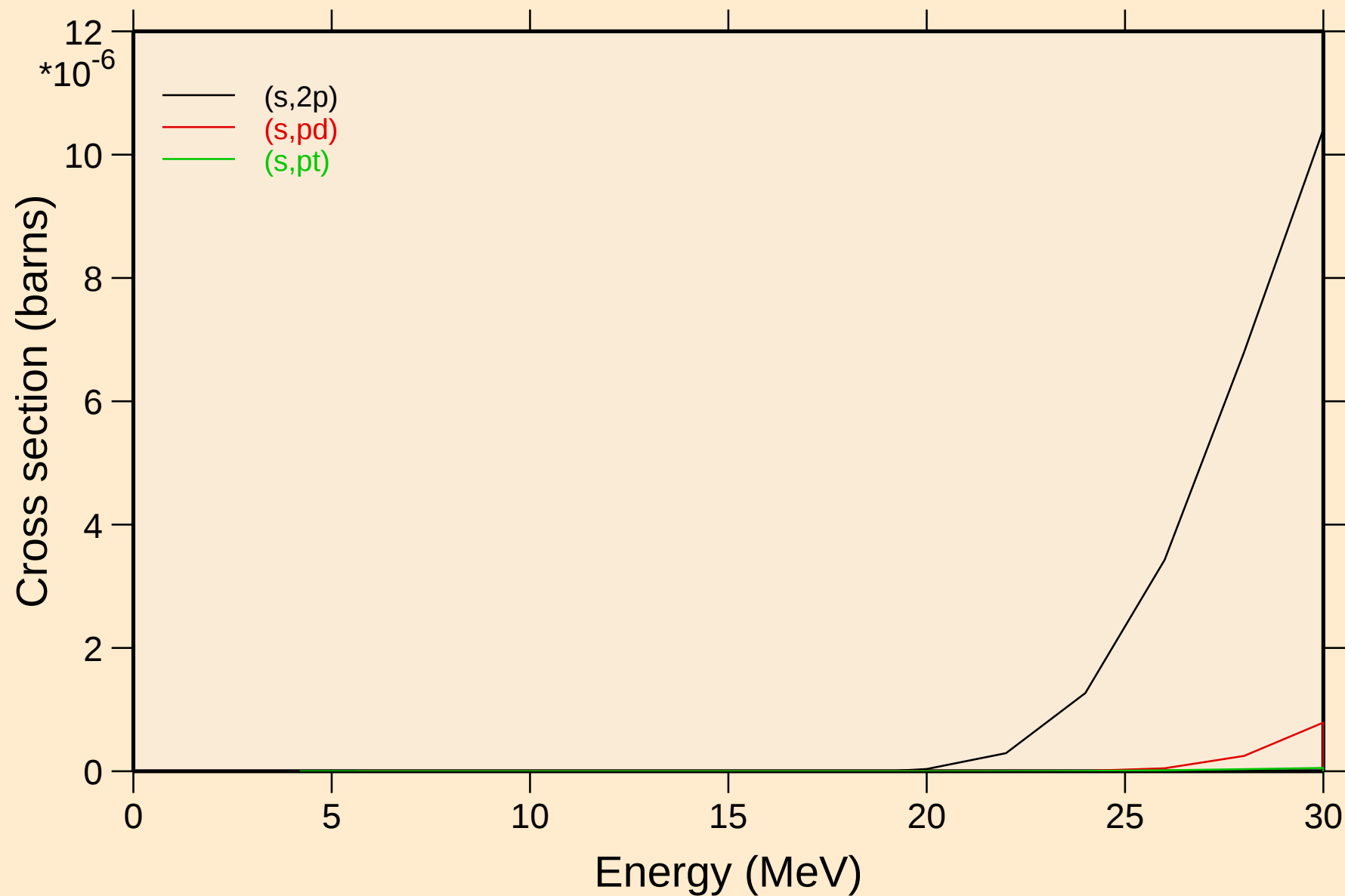


PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

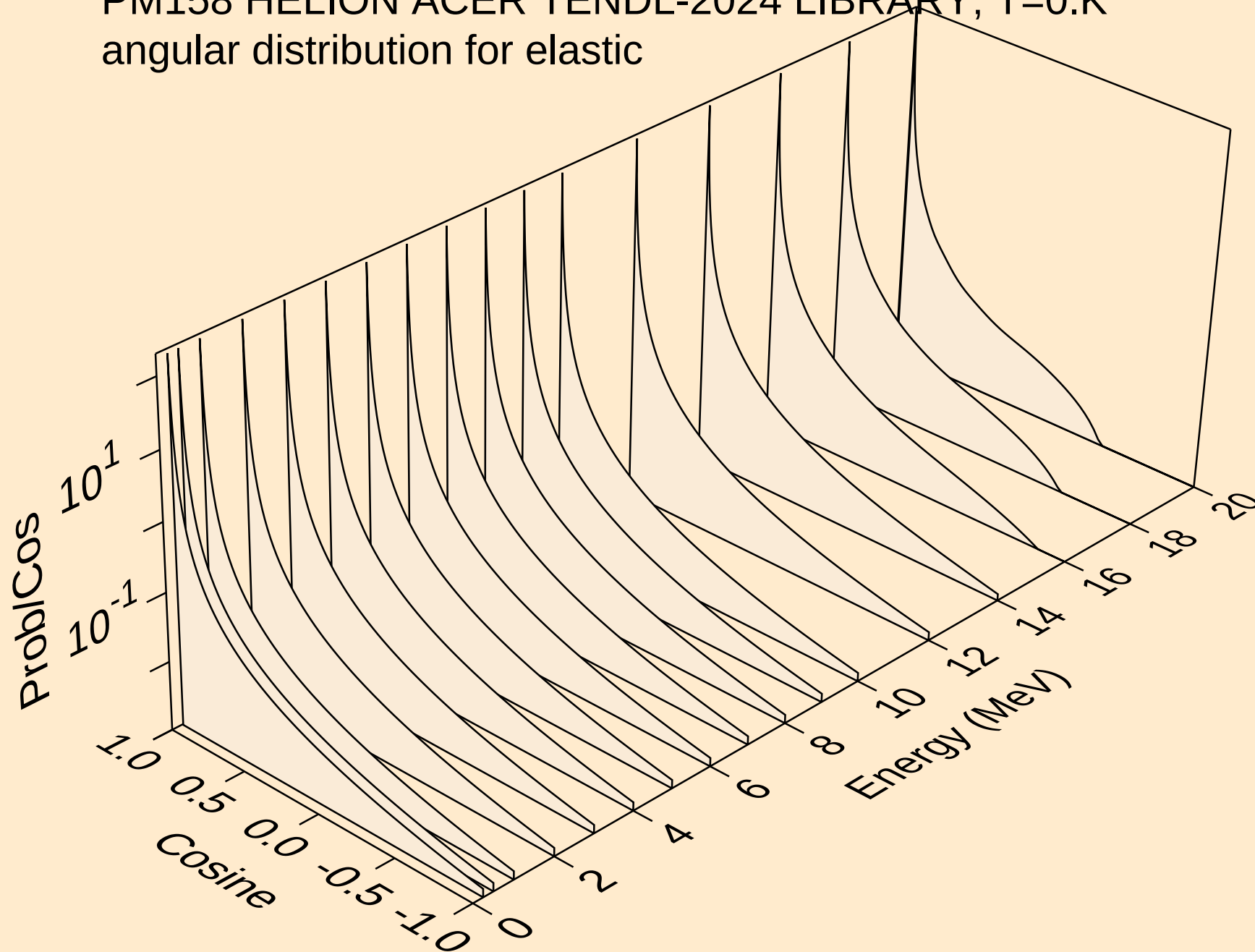


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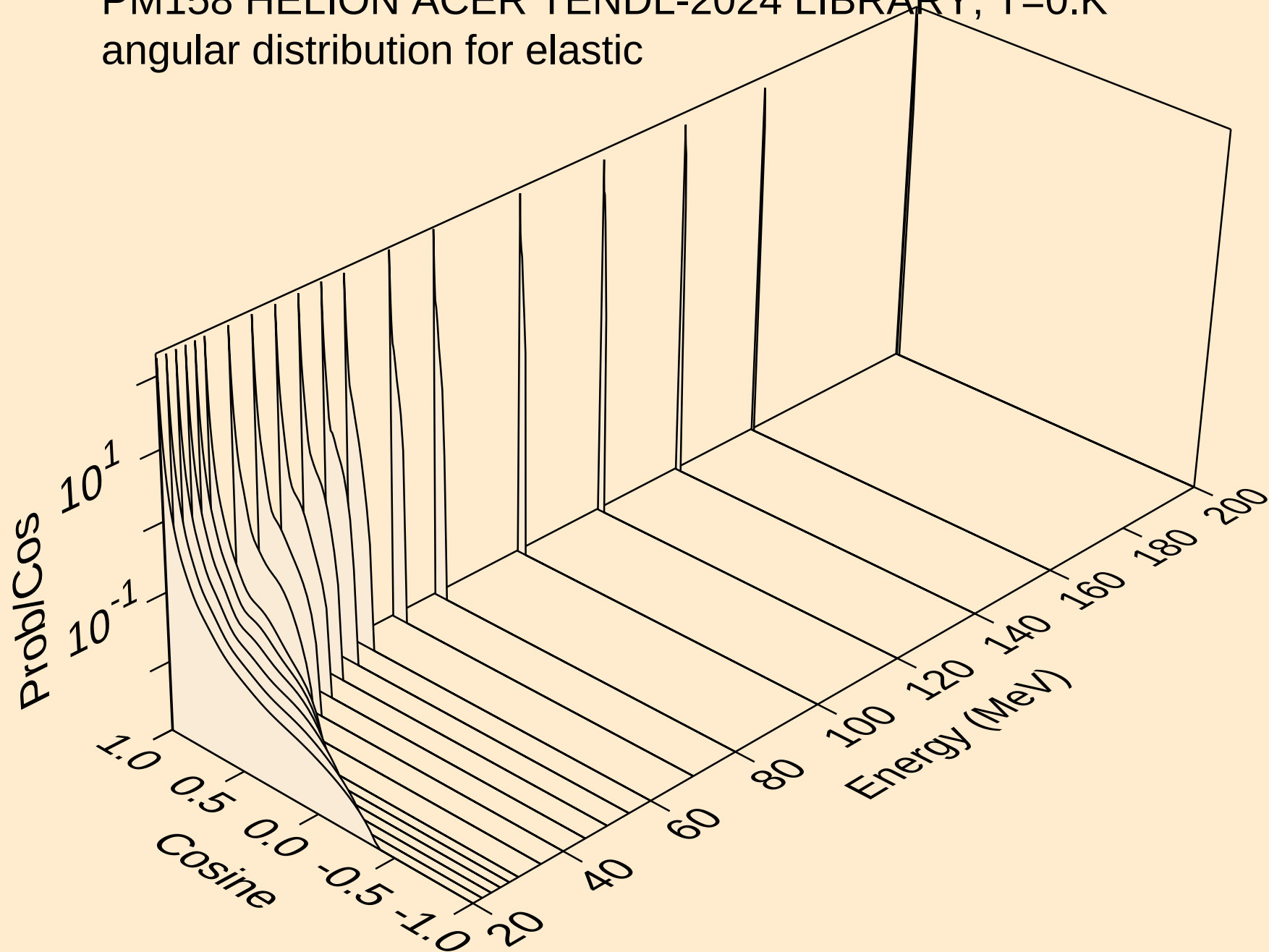
## Threshold reactions



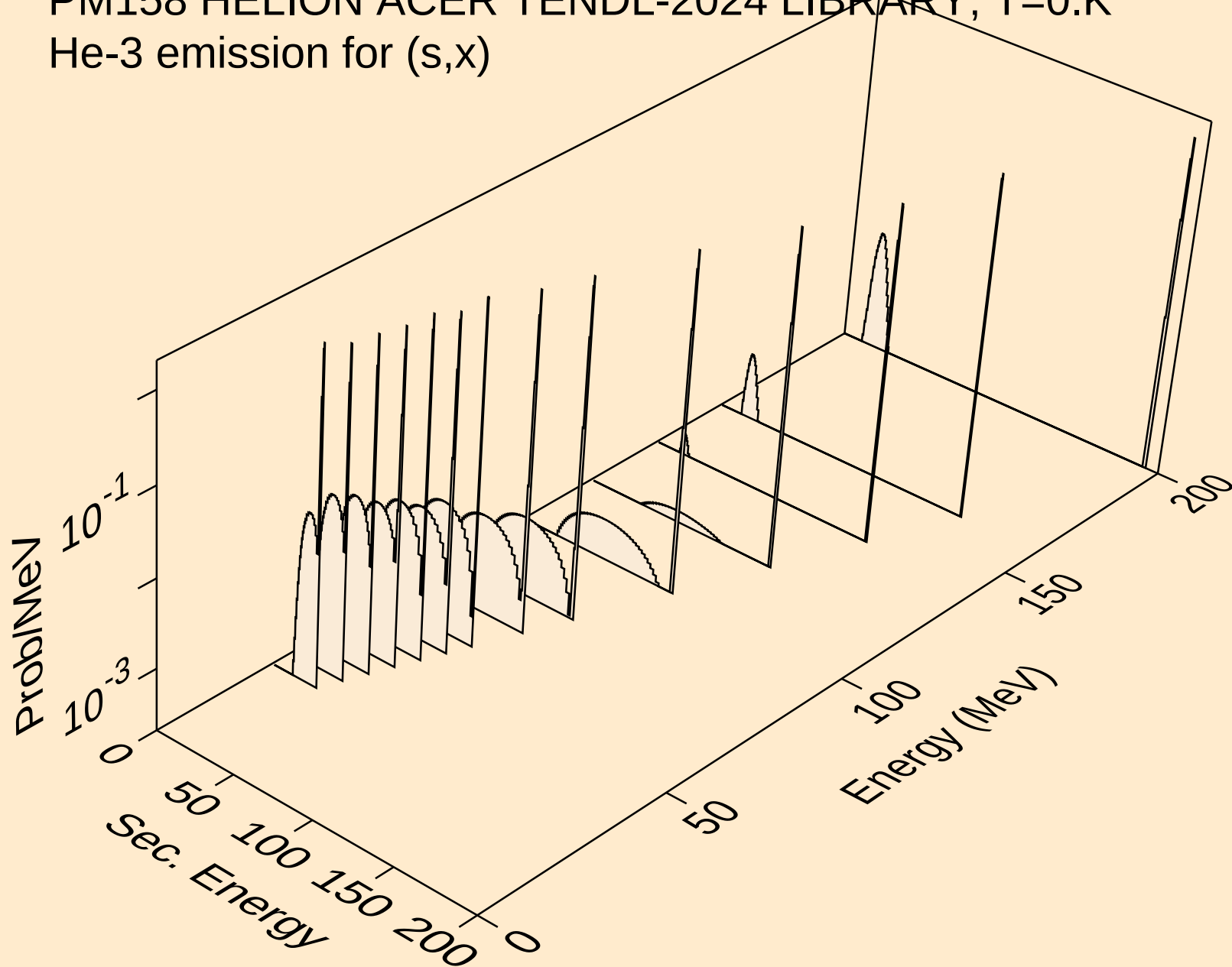
PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



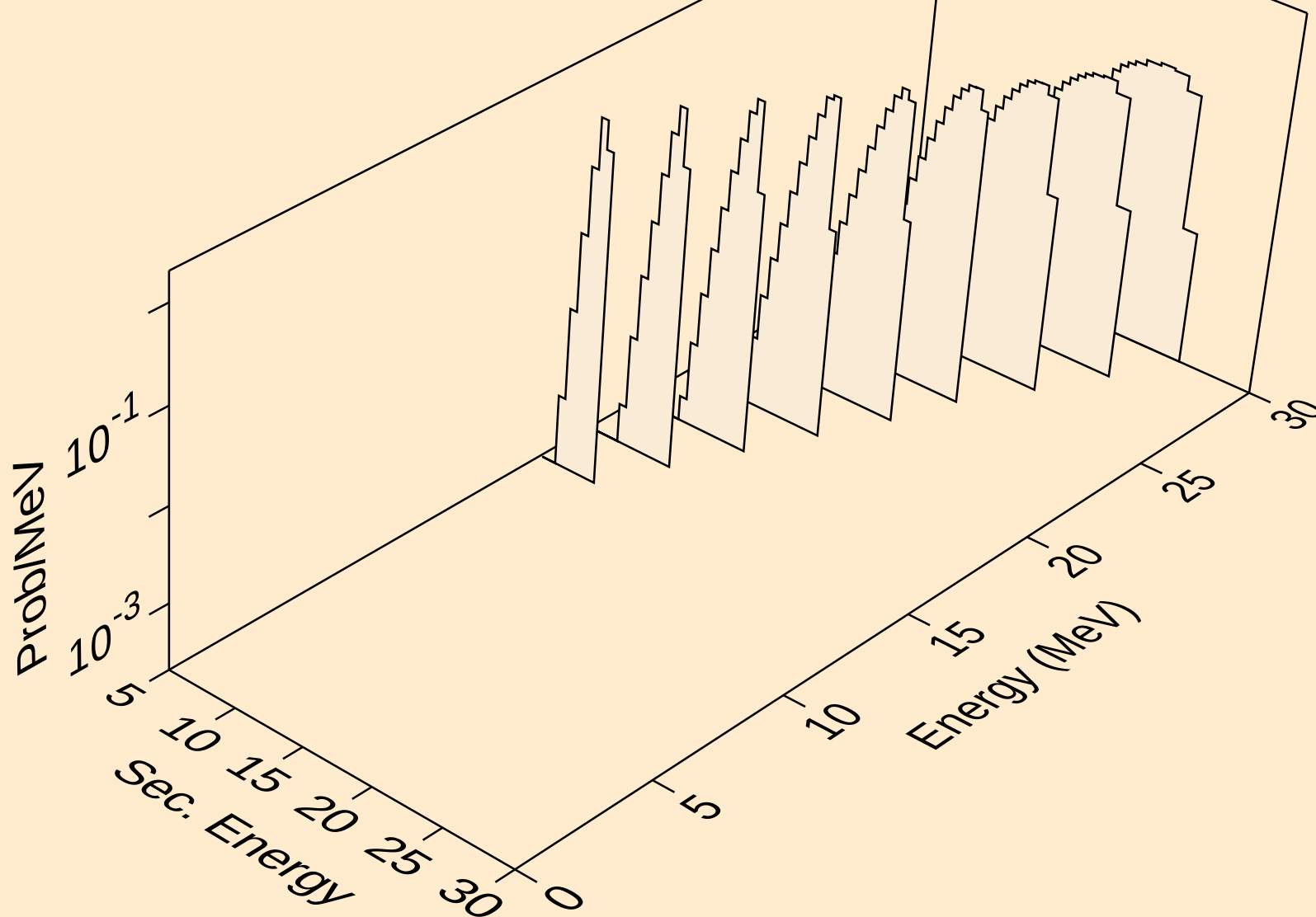
PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



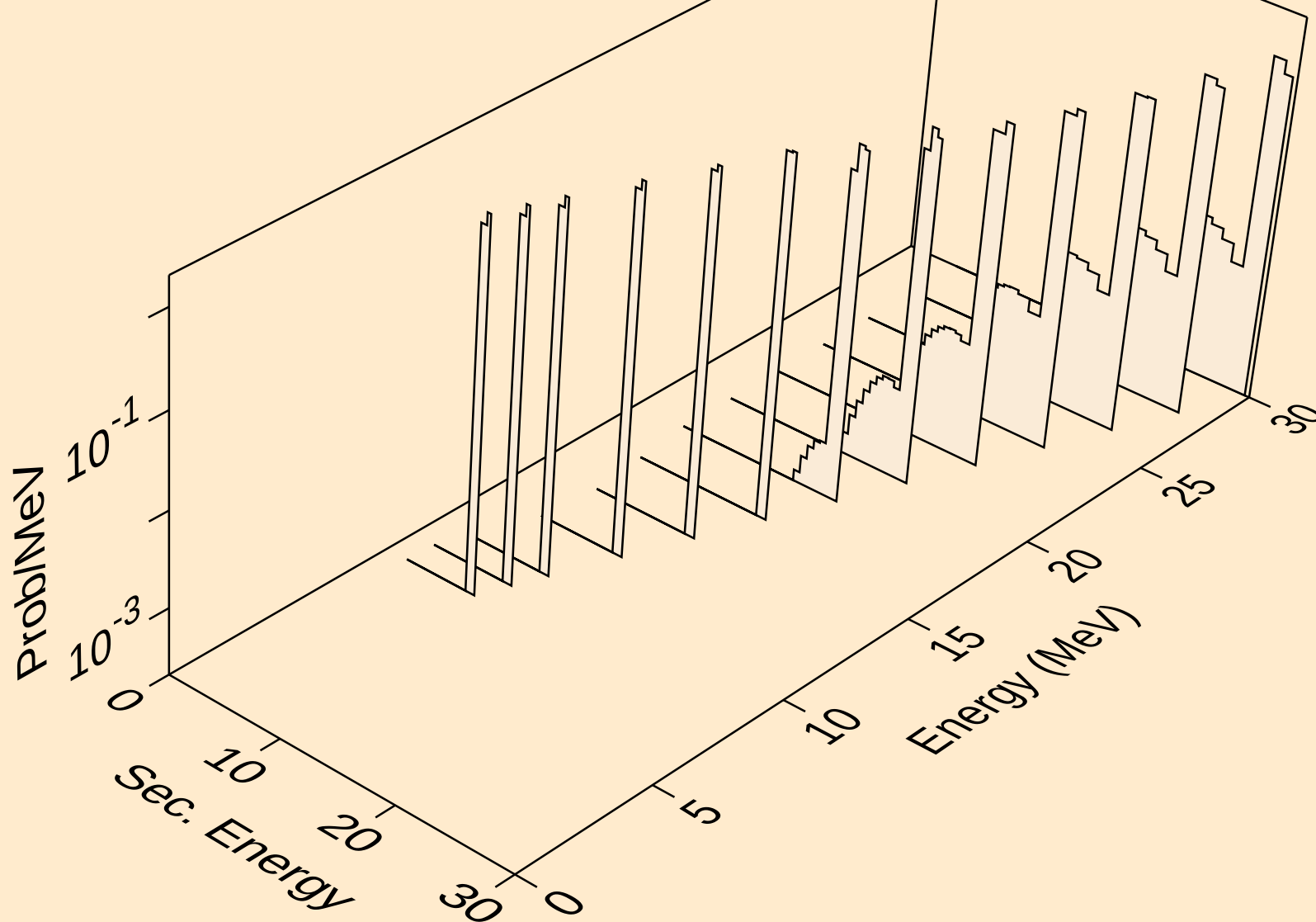
PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for (s,x)



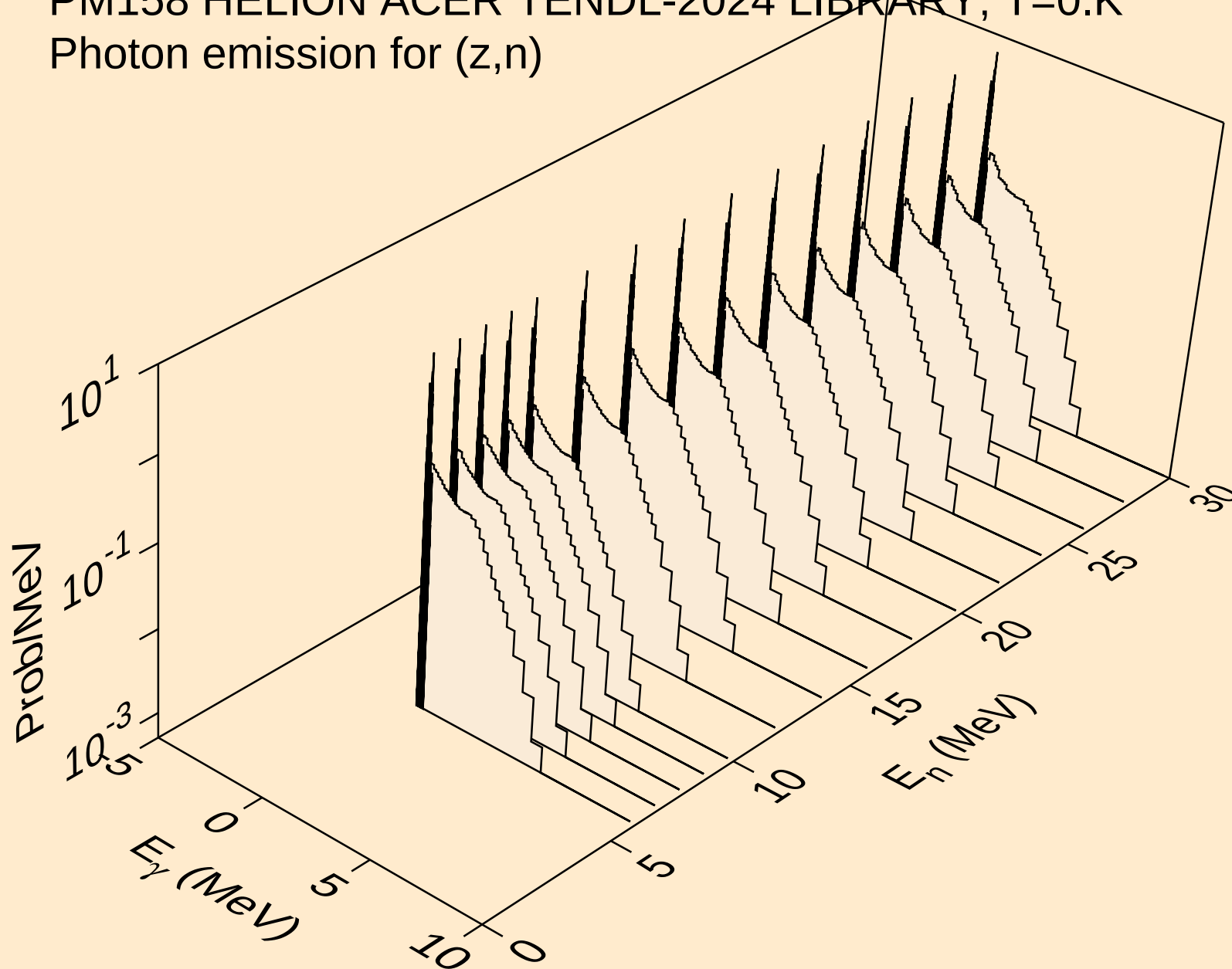
PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3



PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
He-3 emission for inelastic

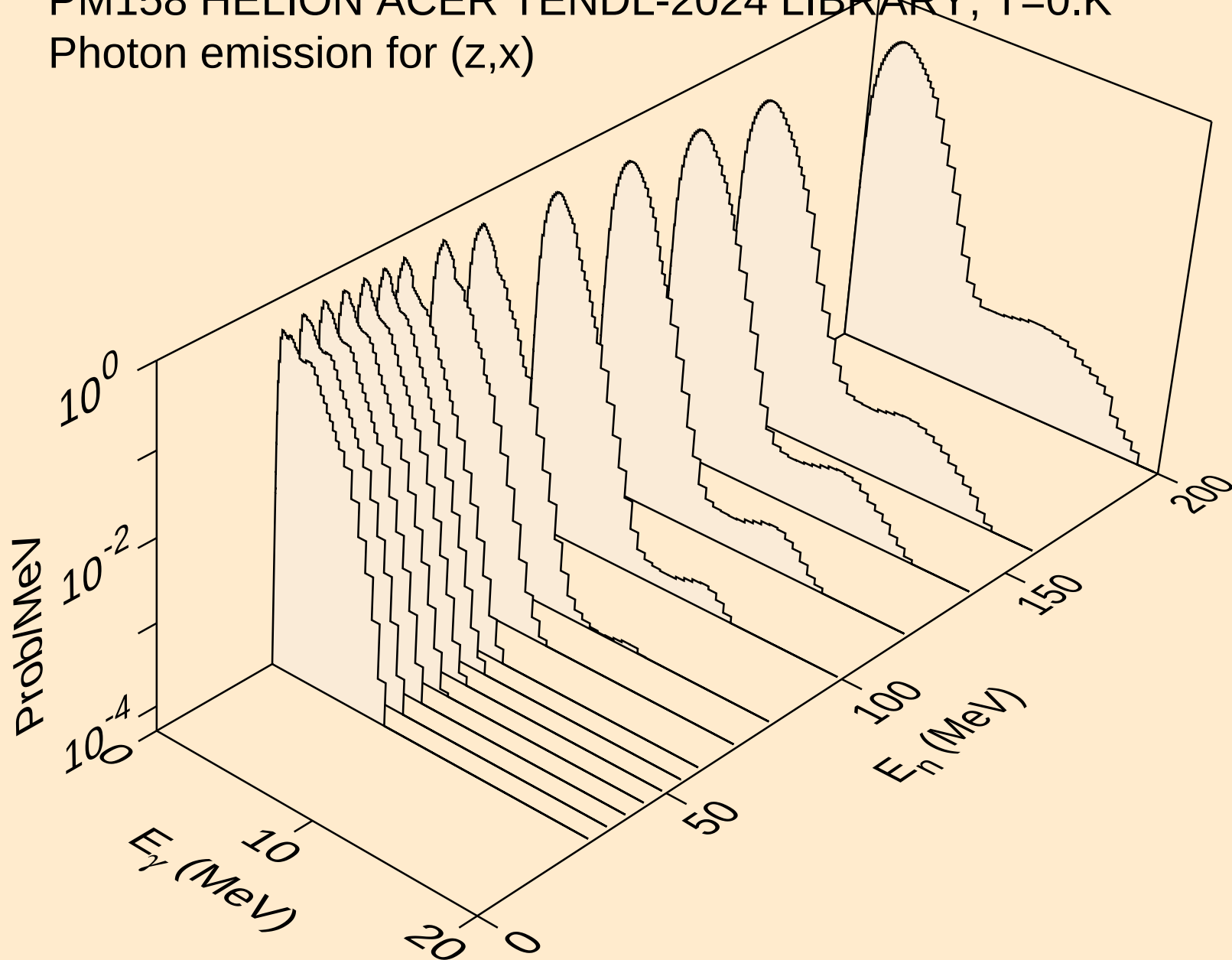


PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (z,n)

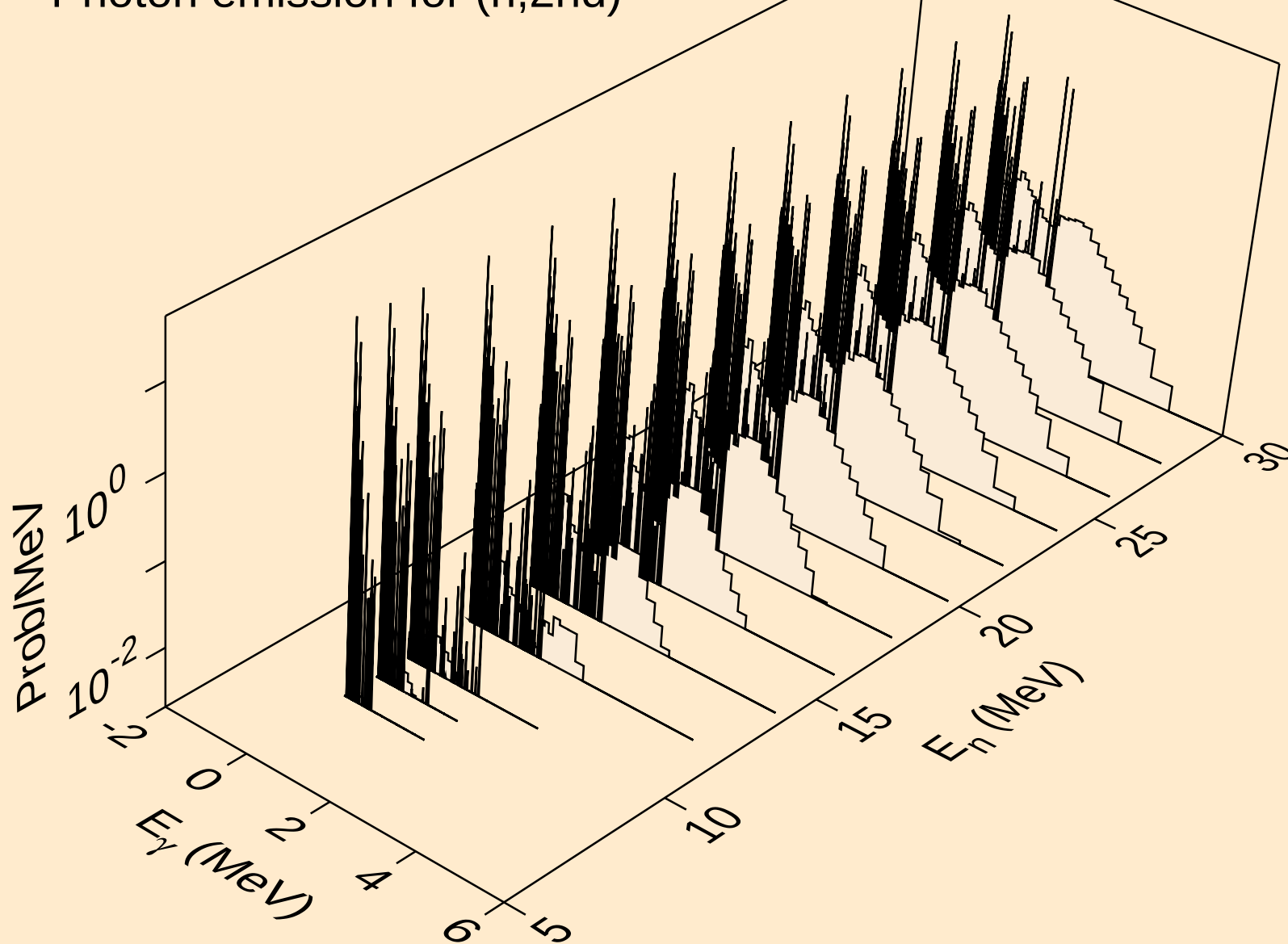


PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K

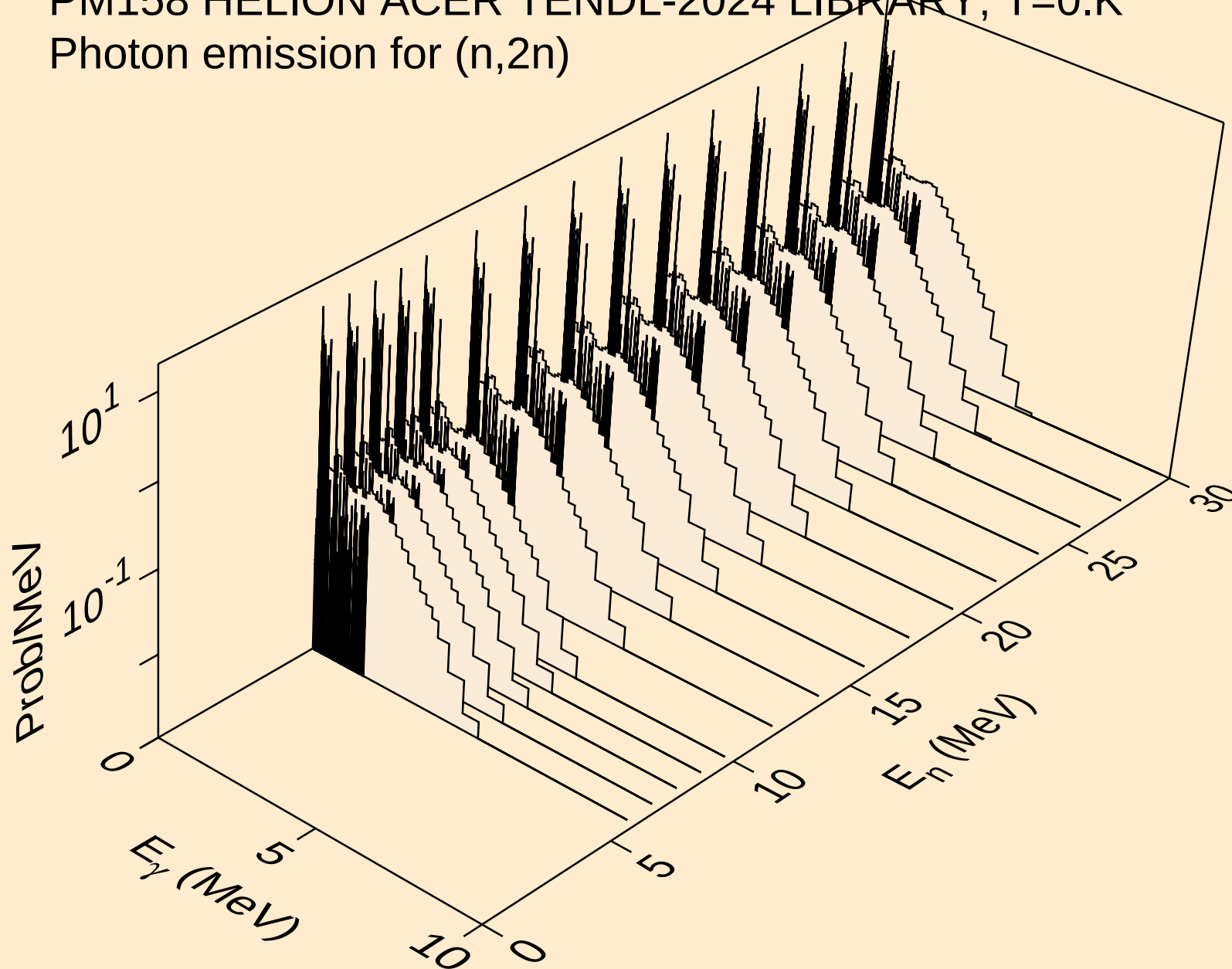
Photon emission for (z,x)



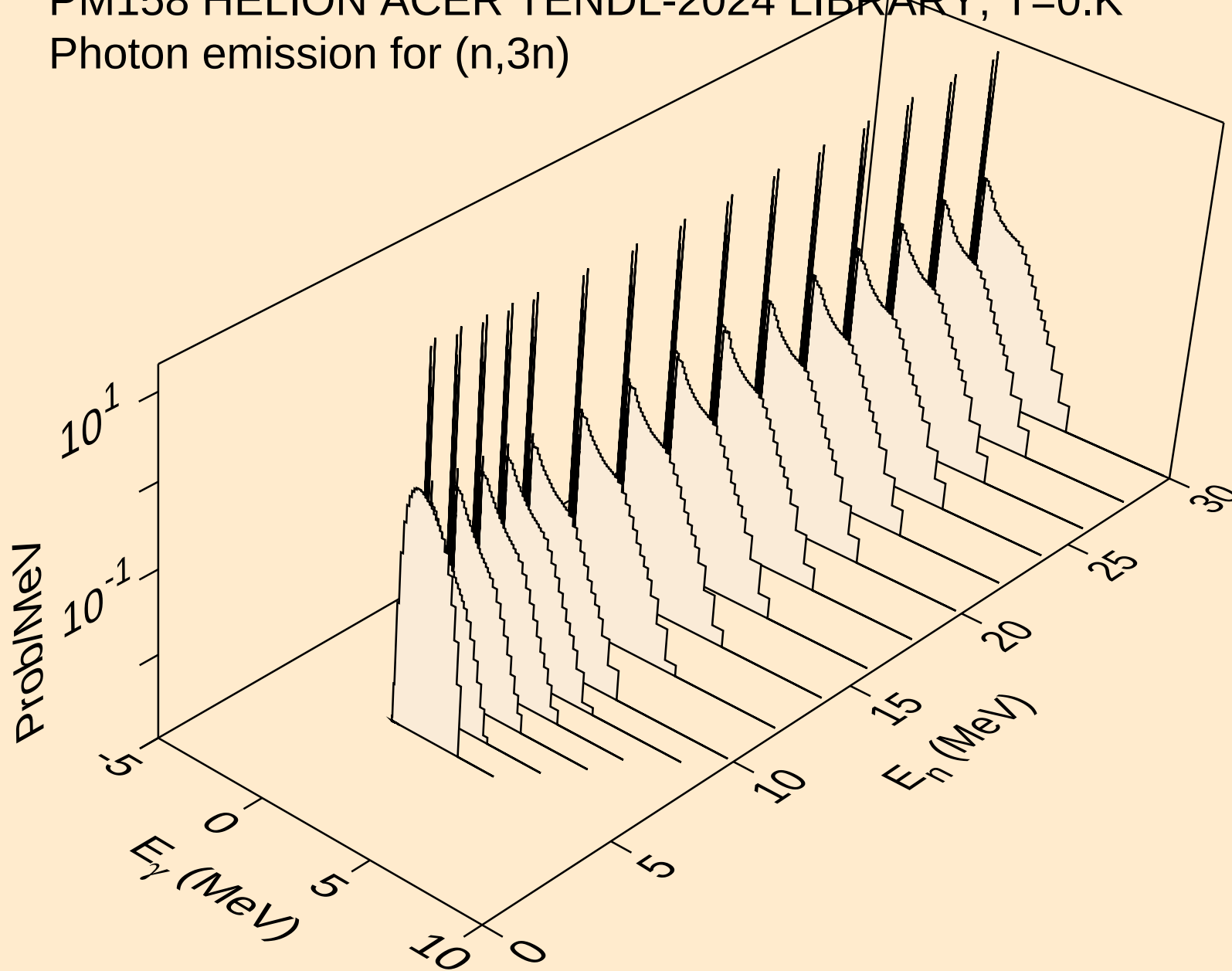
PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



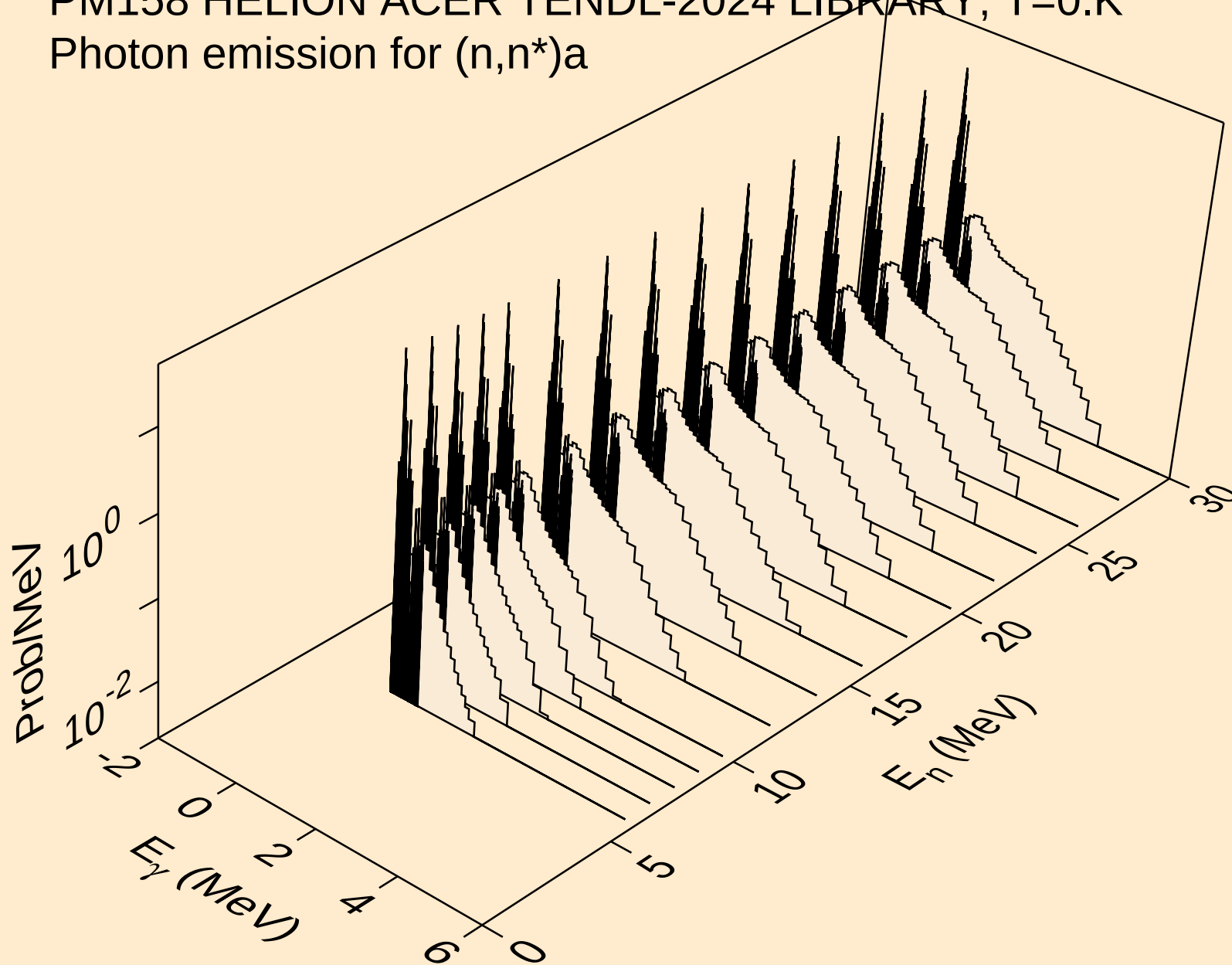
PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



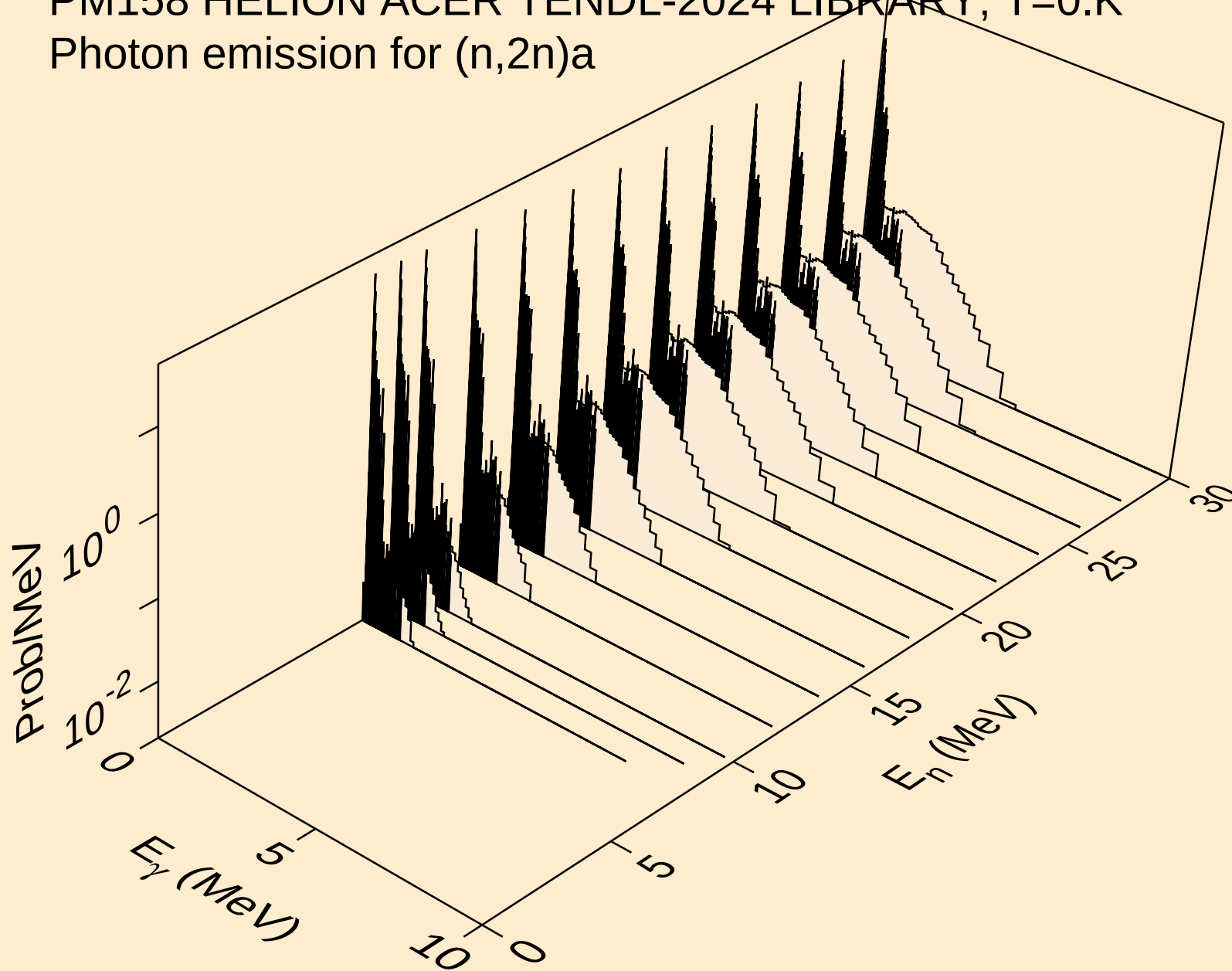
PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

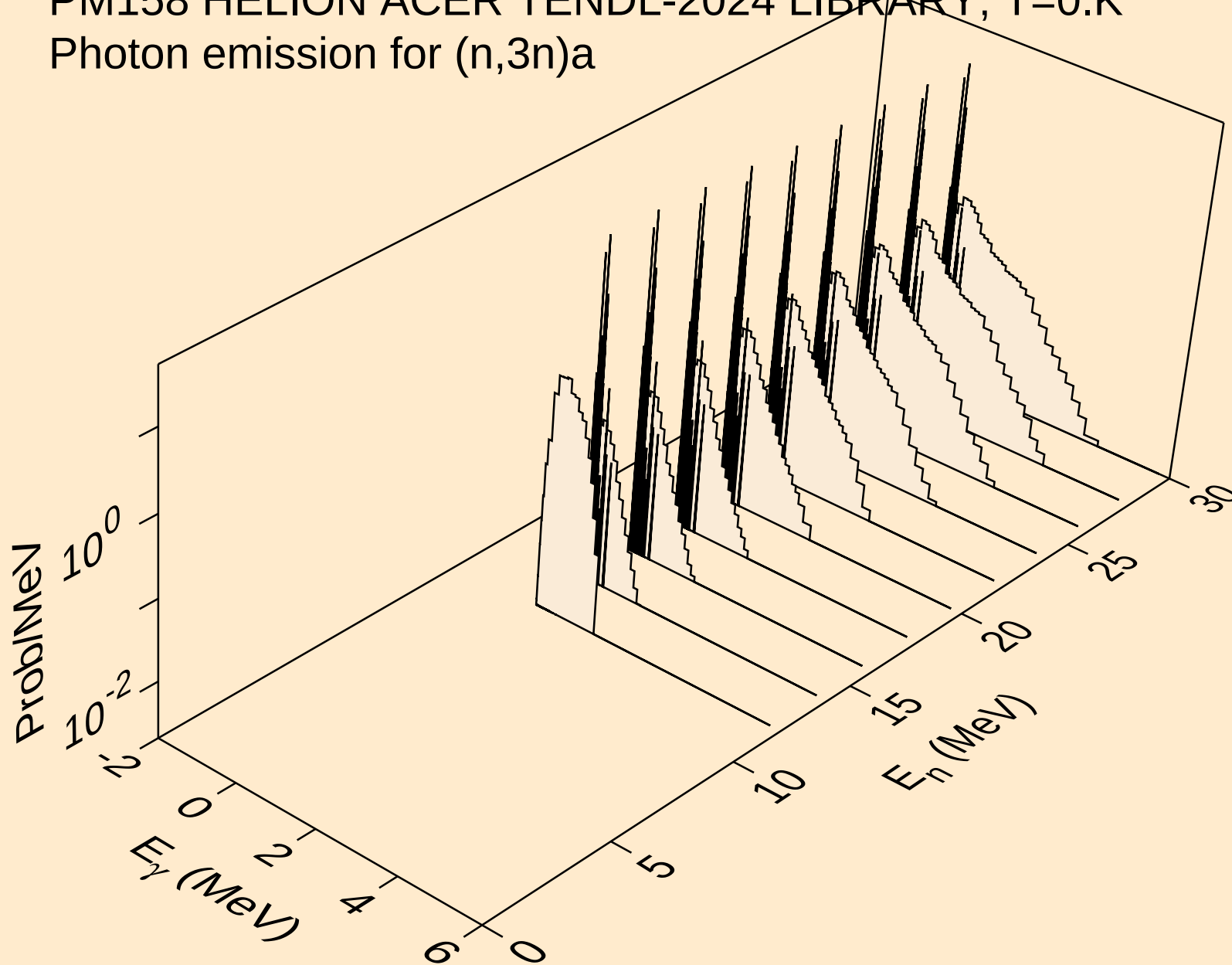


PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



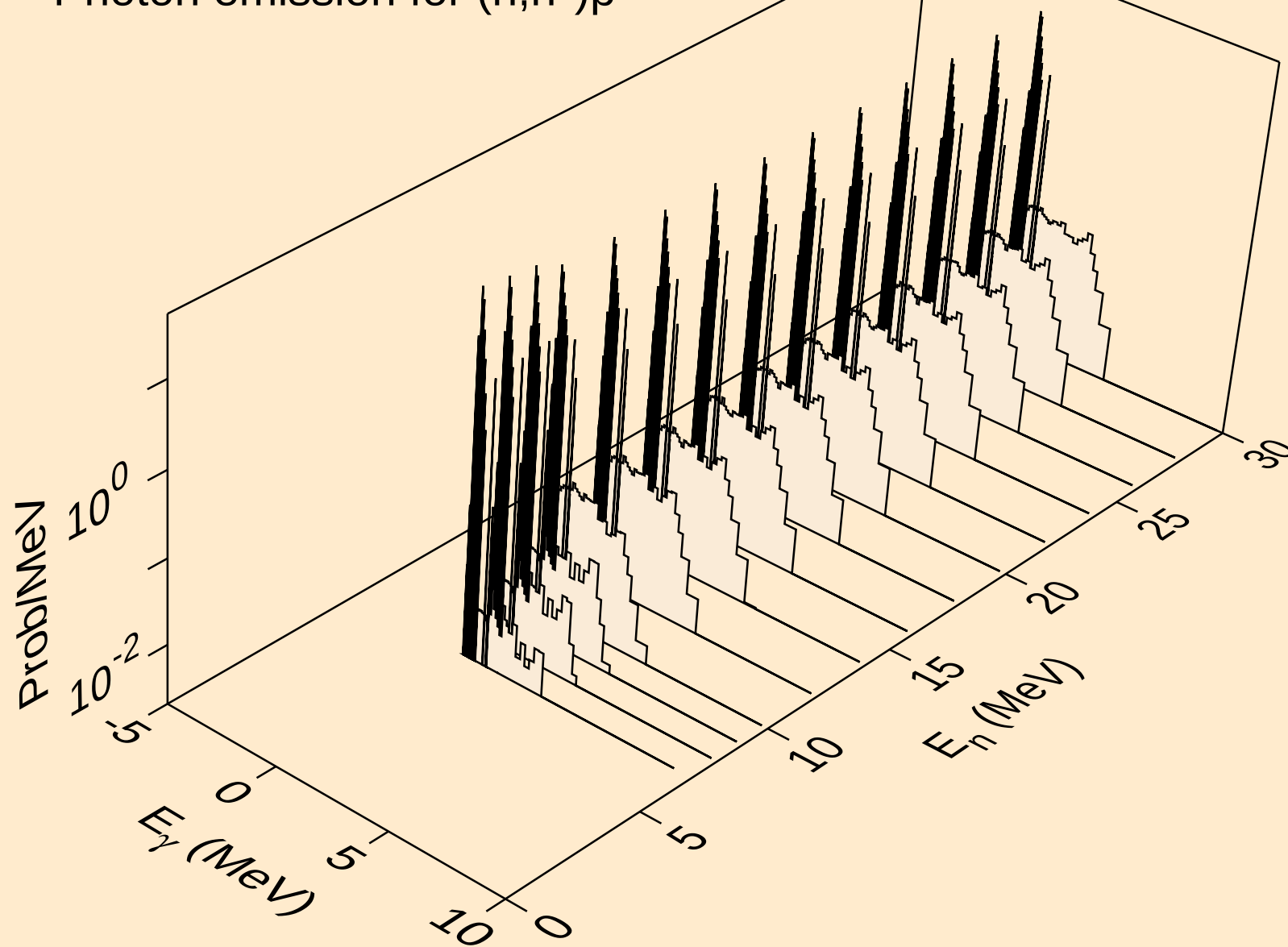
PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,3n) $\alpha$

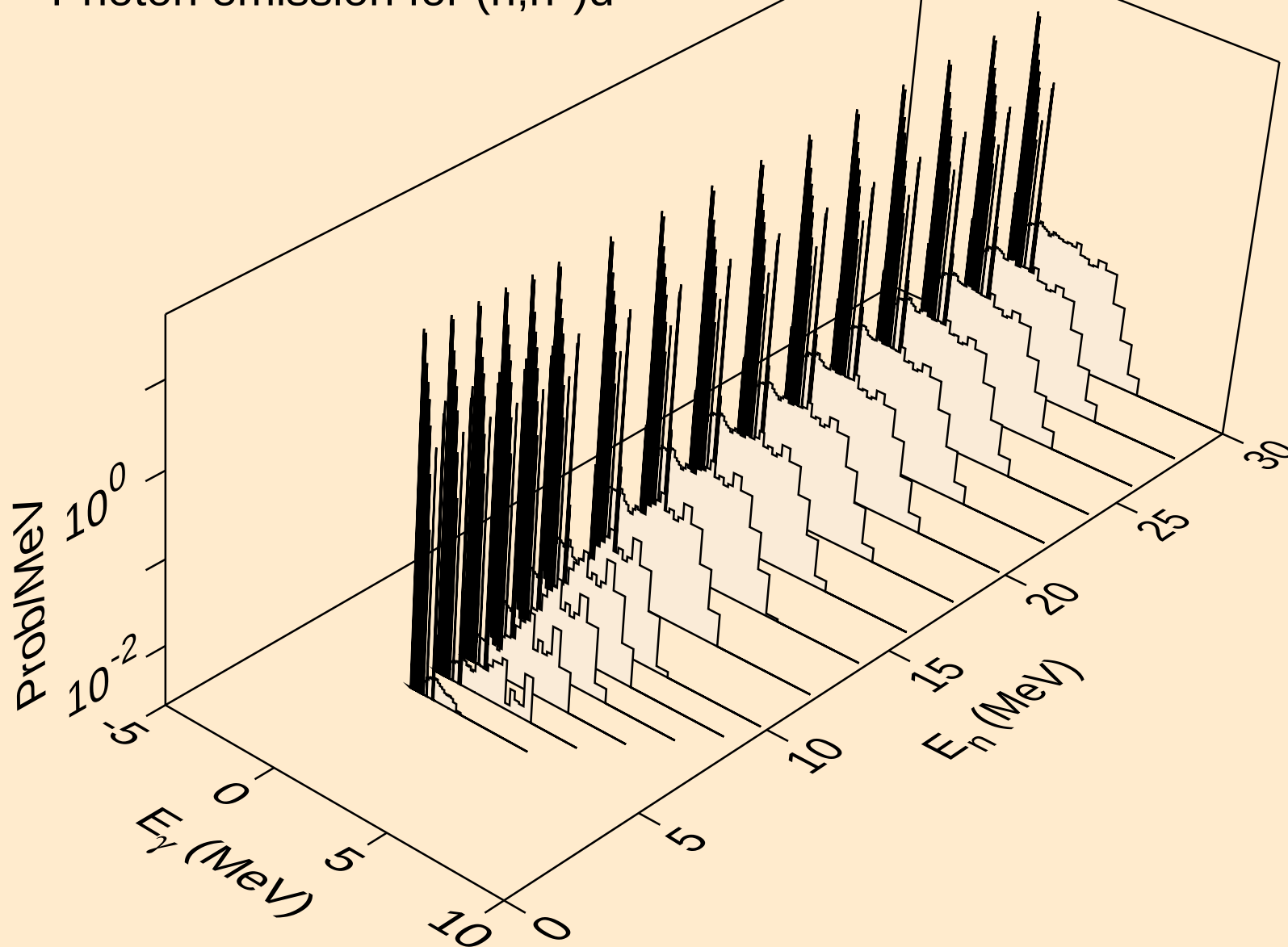


PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K

Photon emission for (n,n\*)p

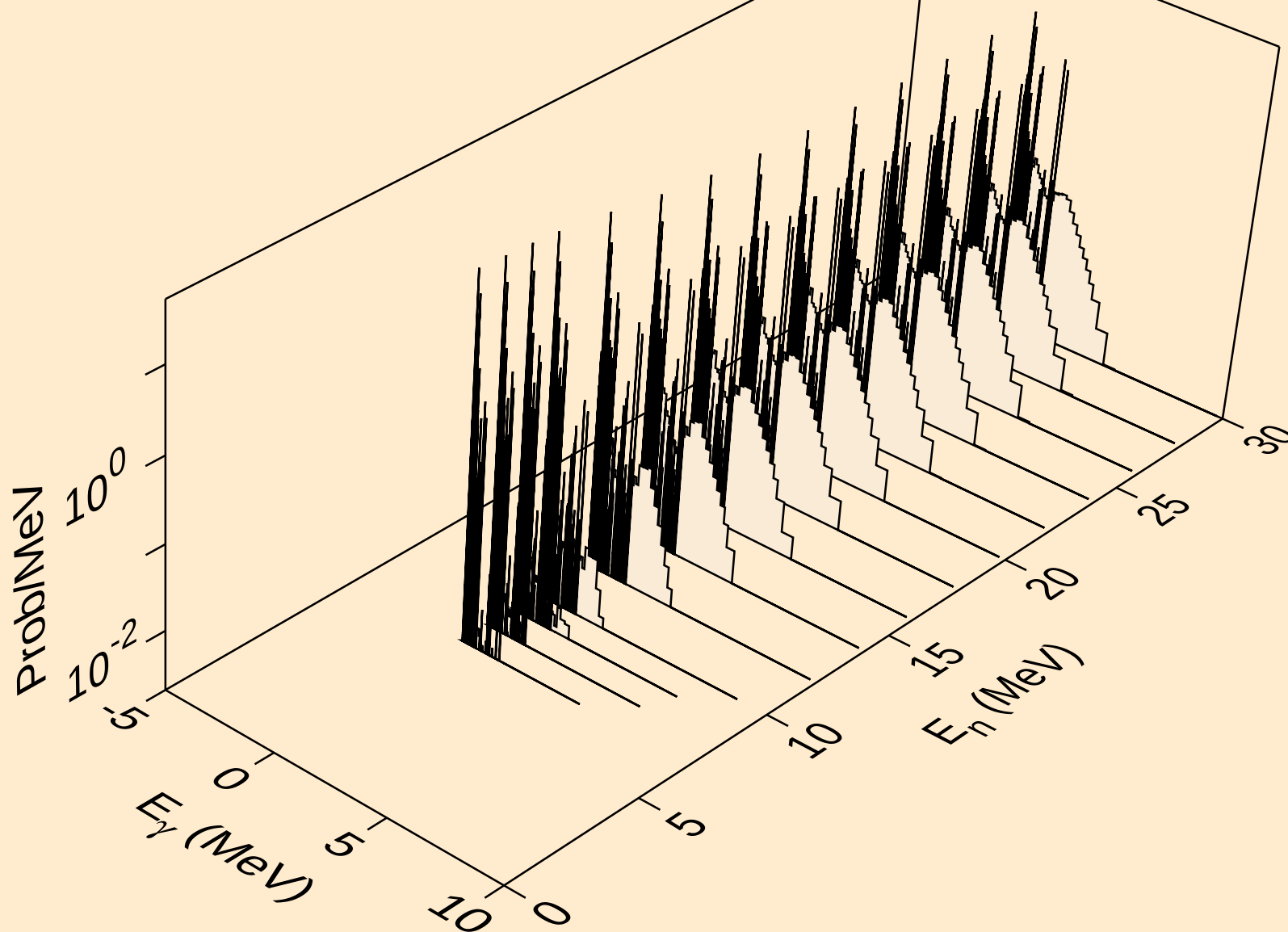


PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

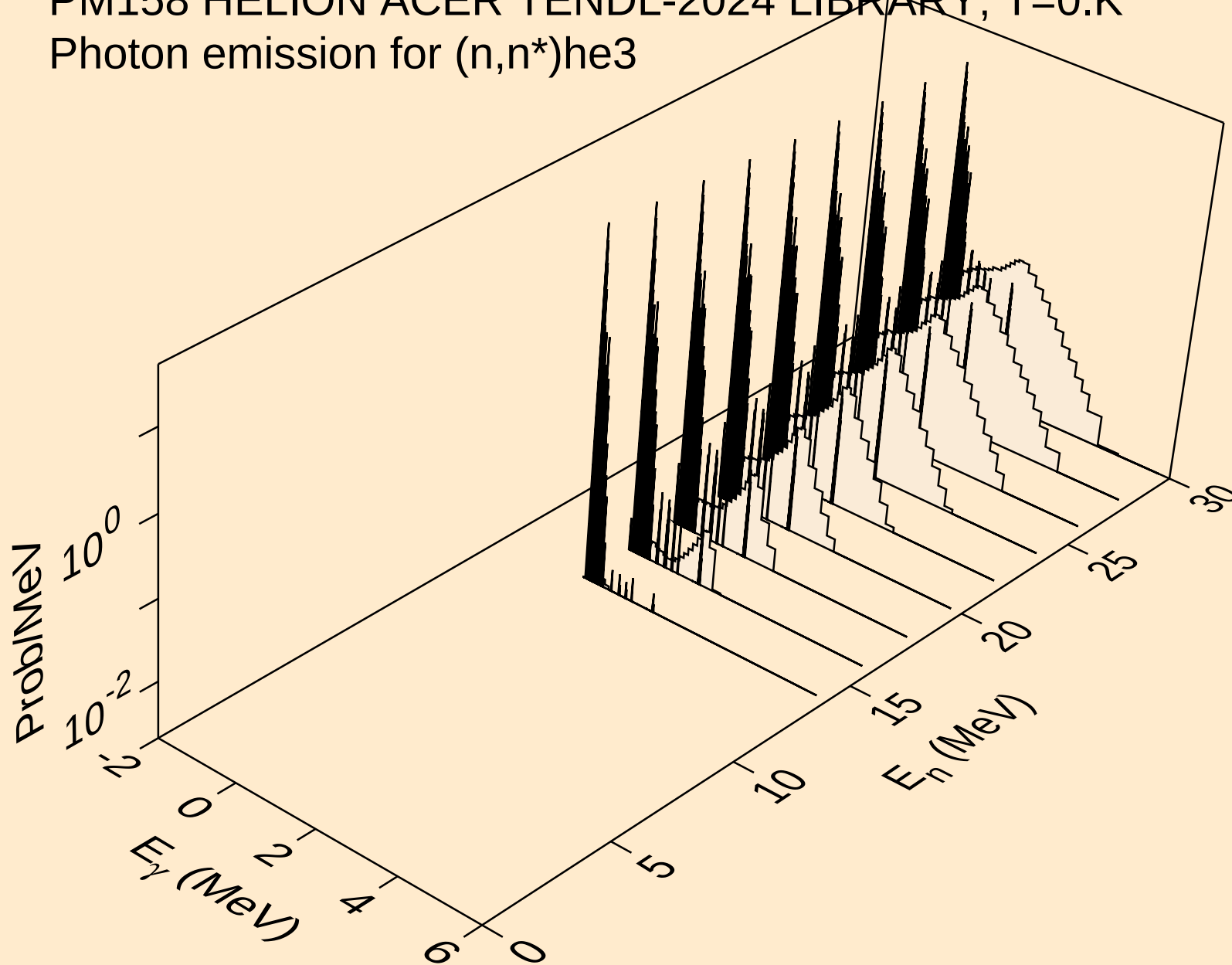


PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K

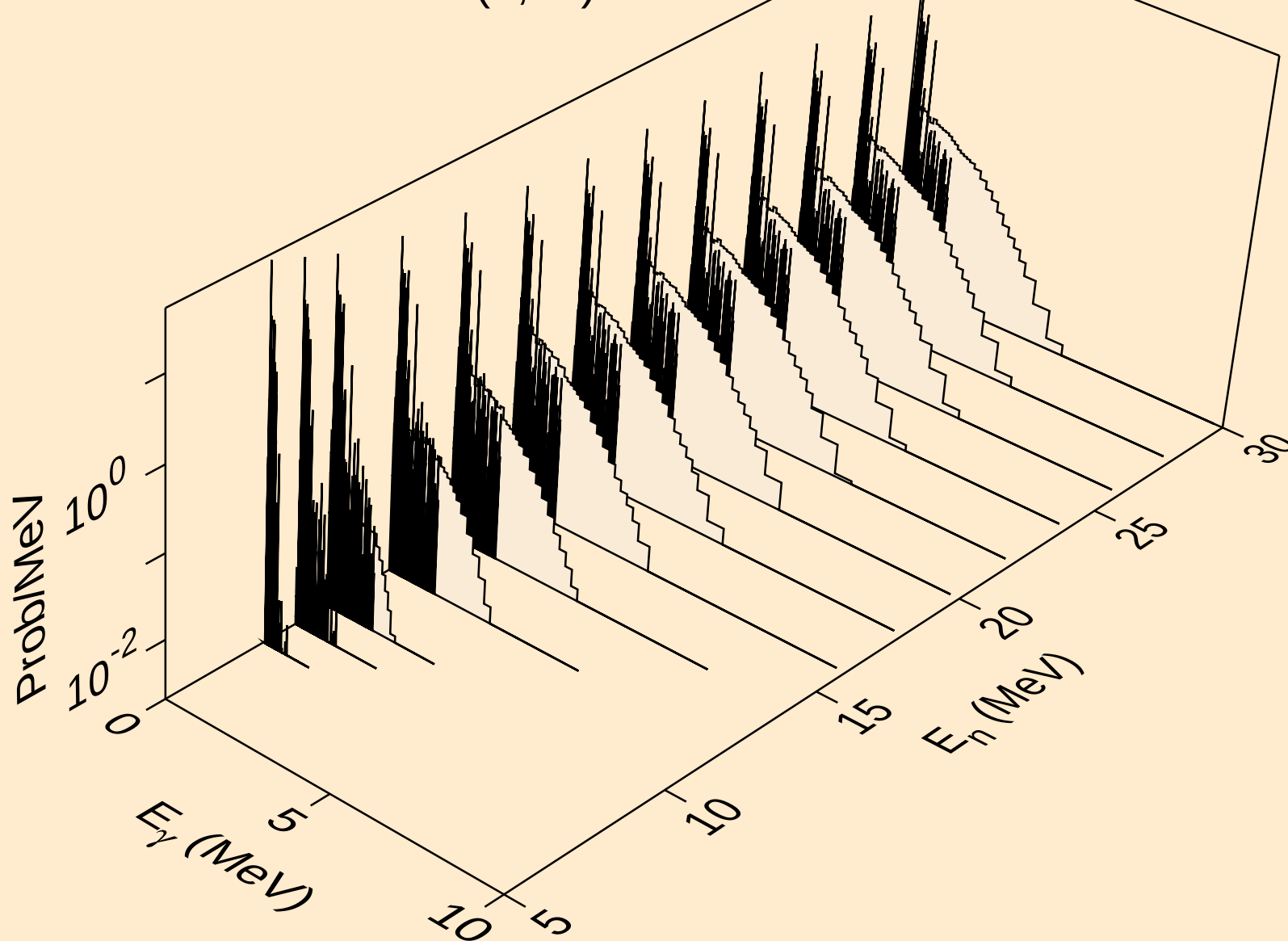
Photon emission for (n,n\*)t



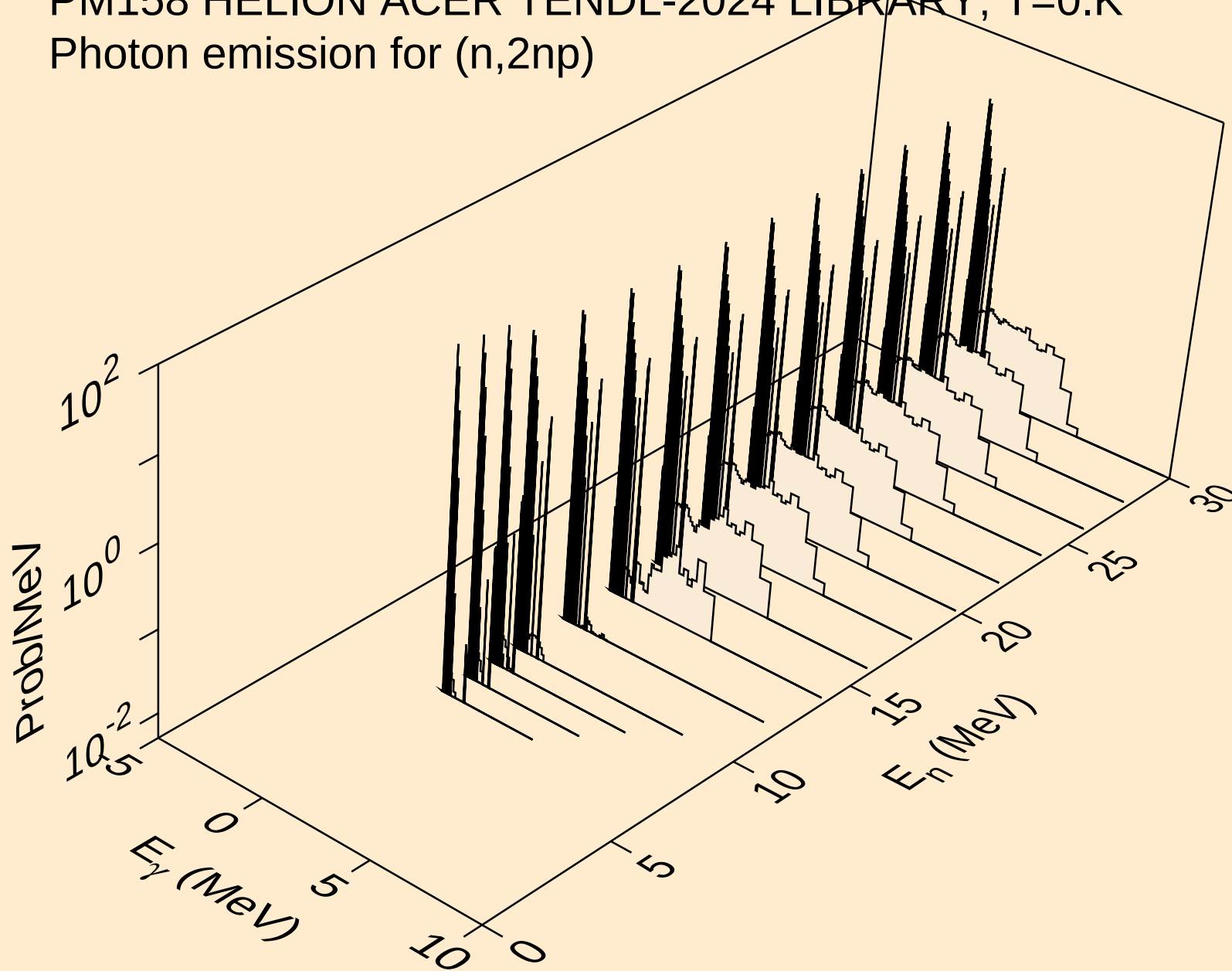
PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



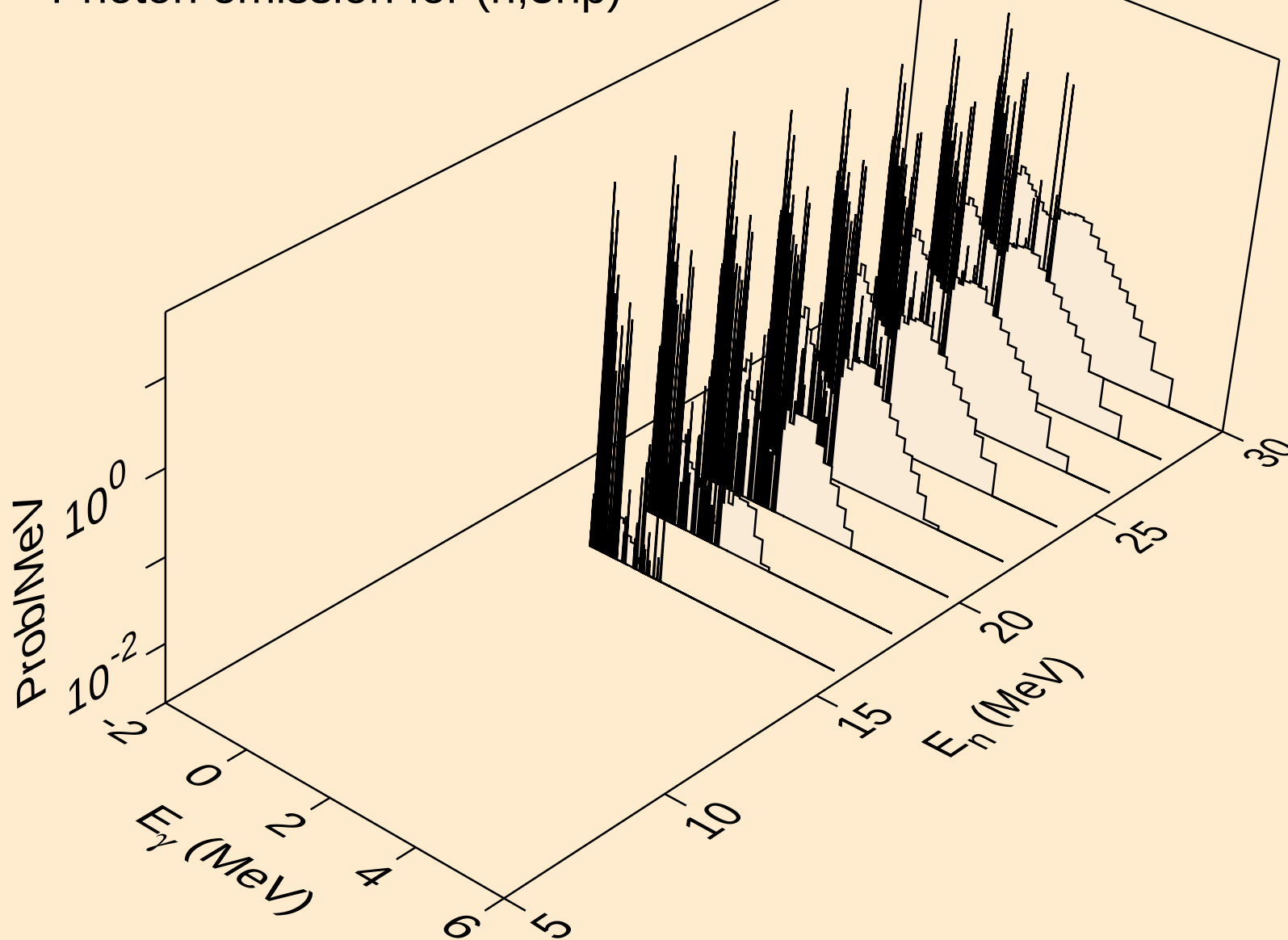
PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,4n)



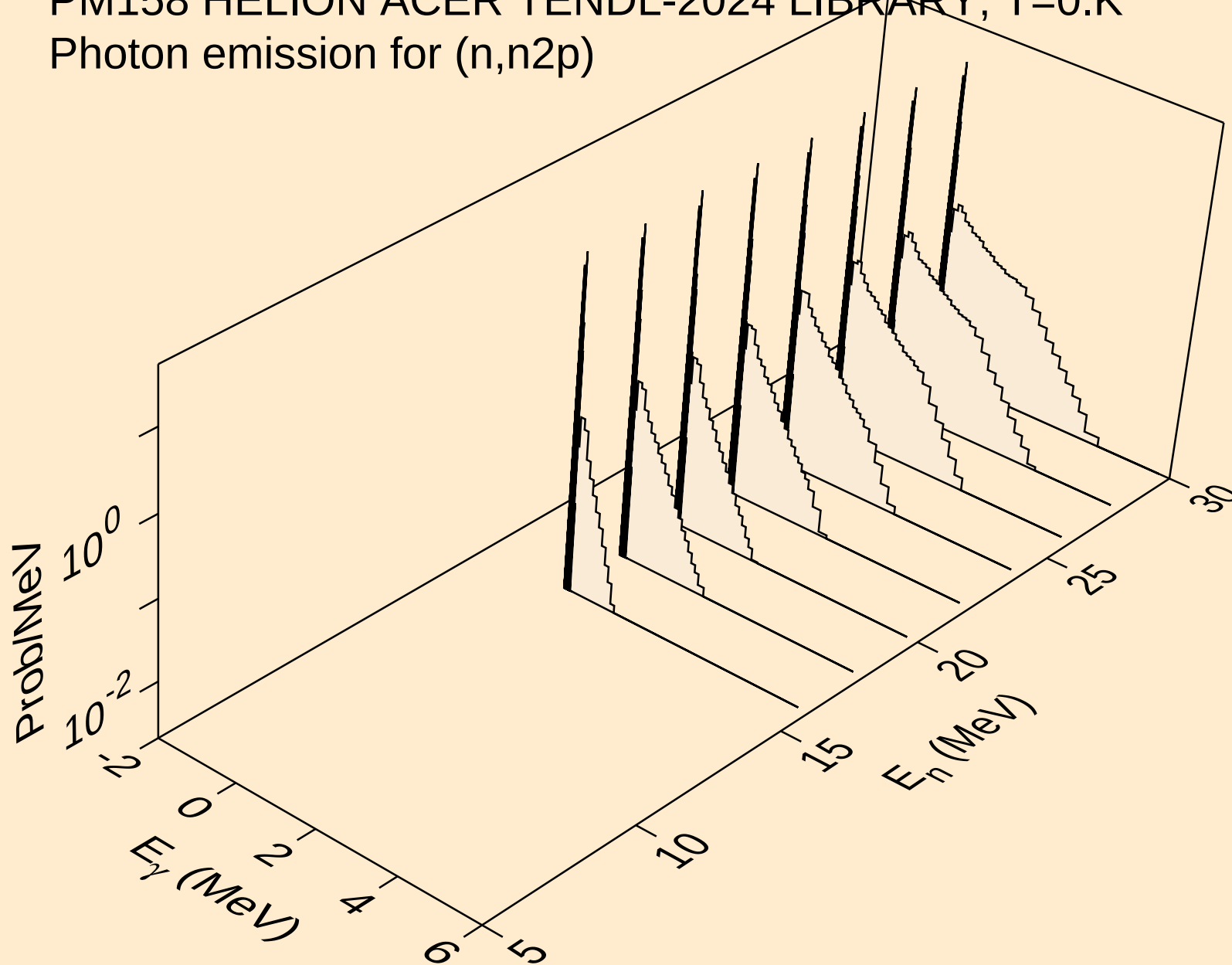
PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



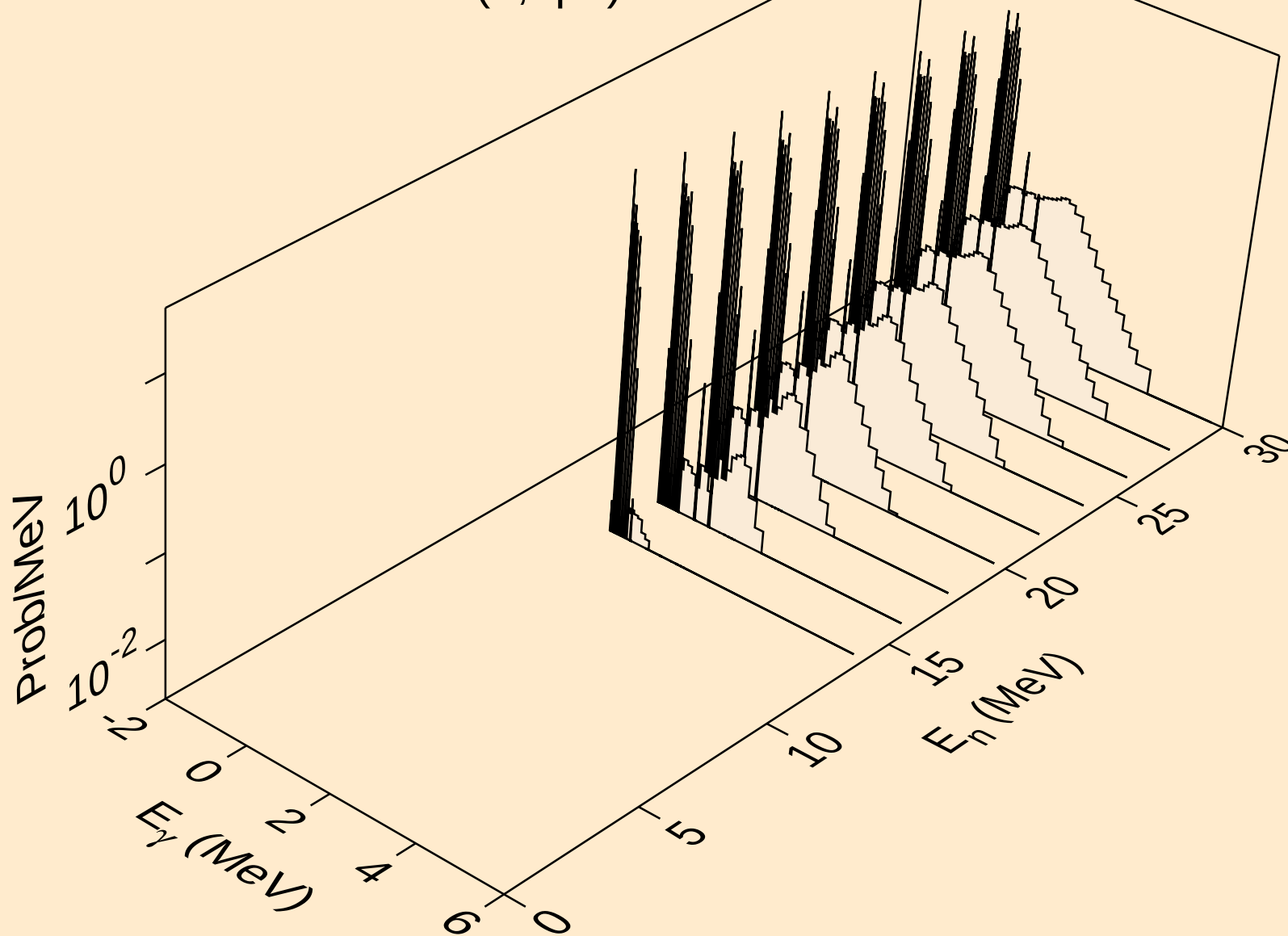
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Photon emission for (n,3np)



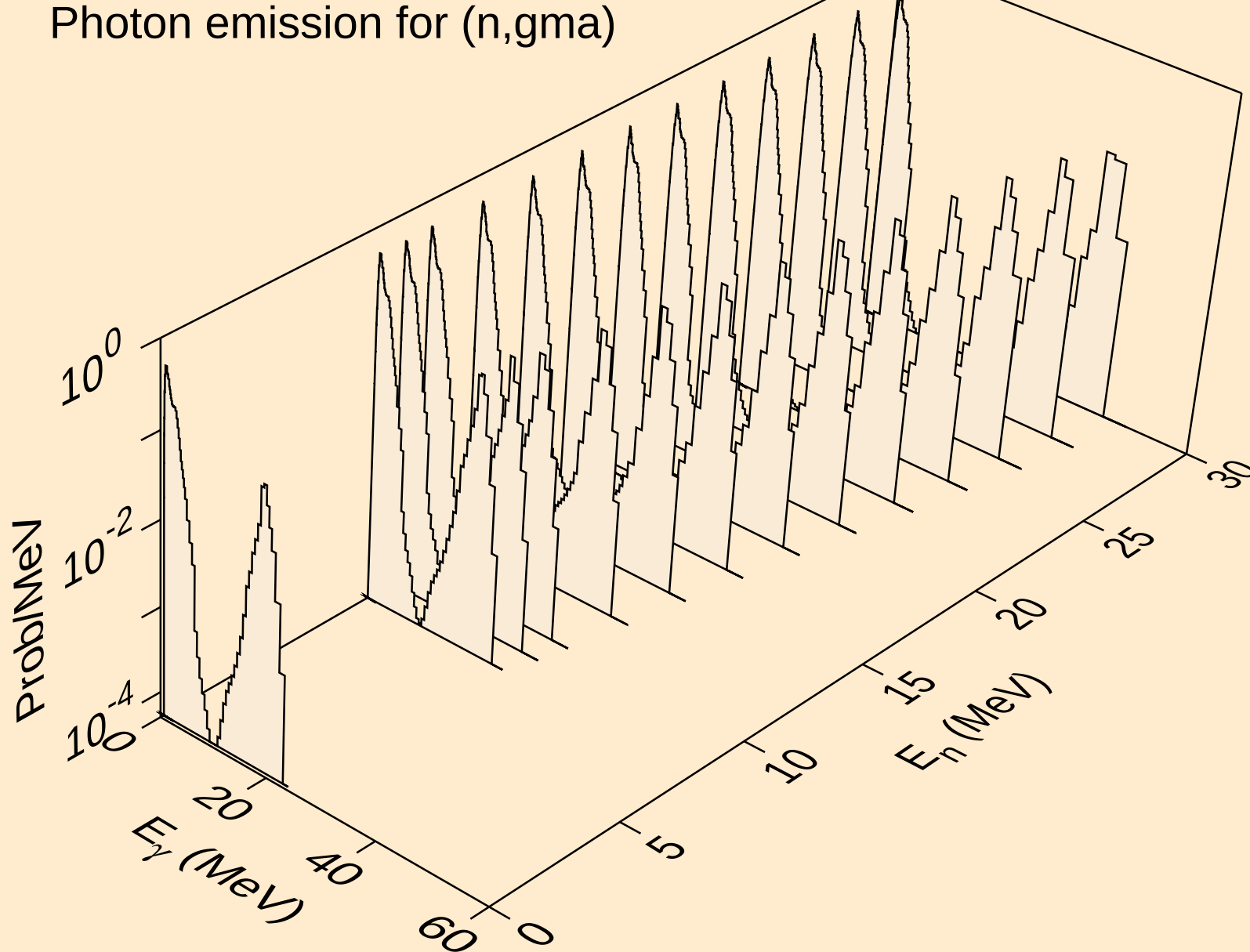
PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



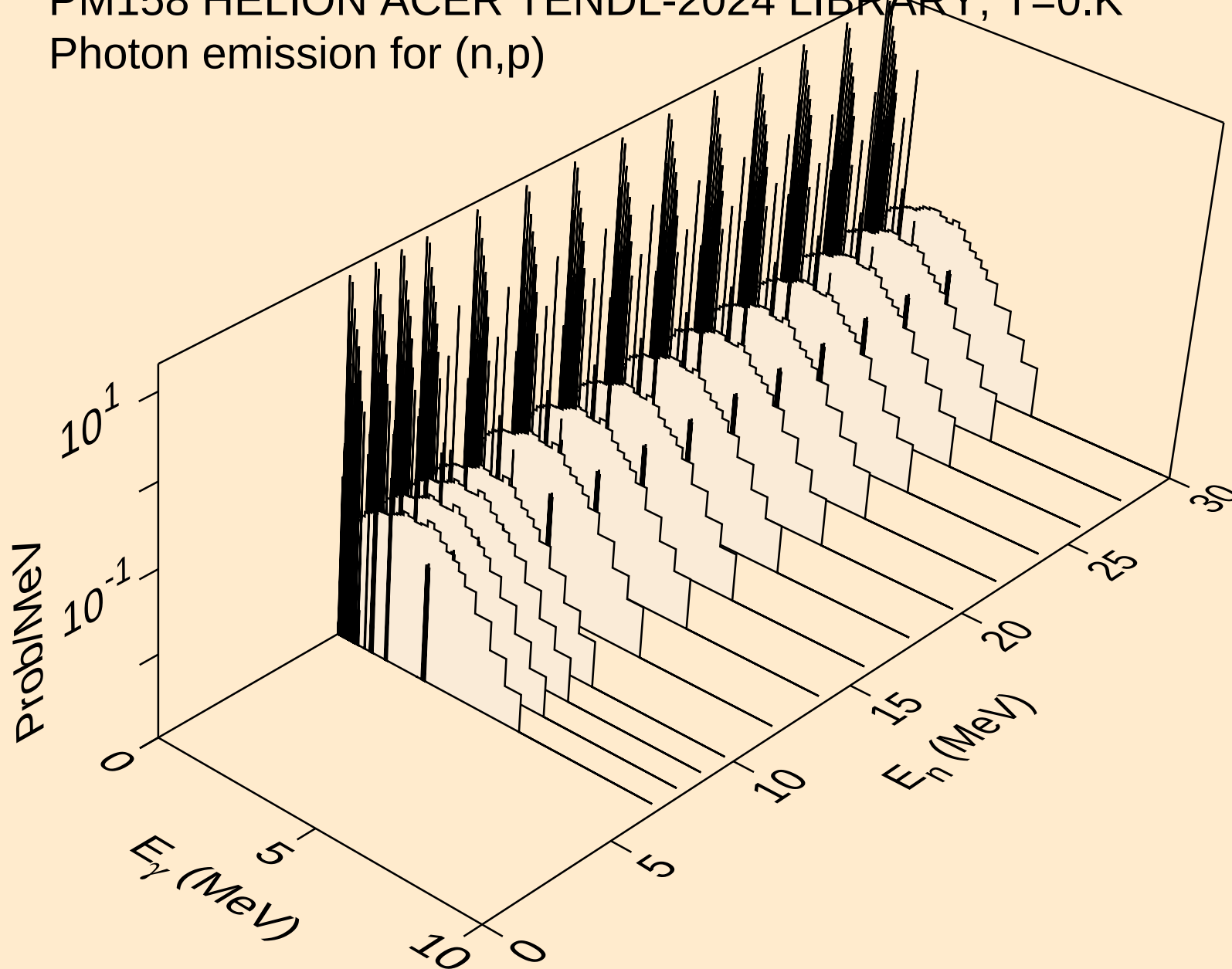
PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



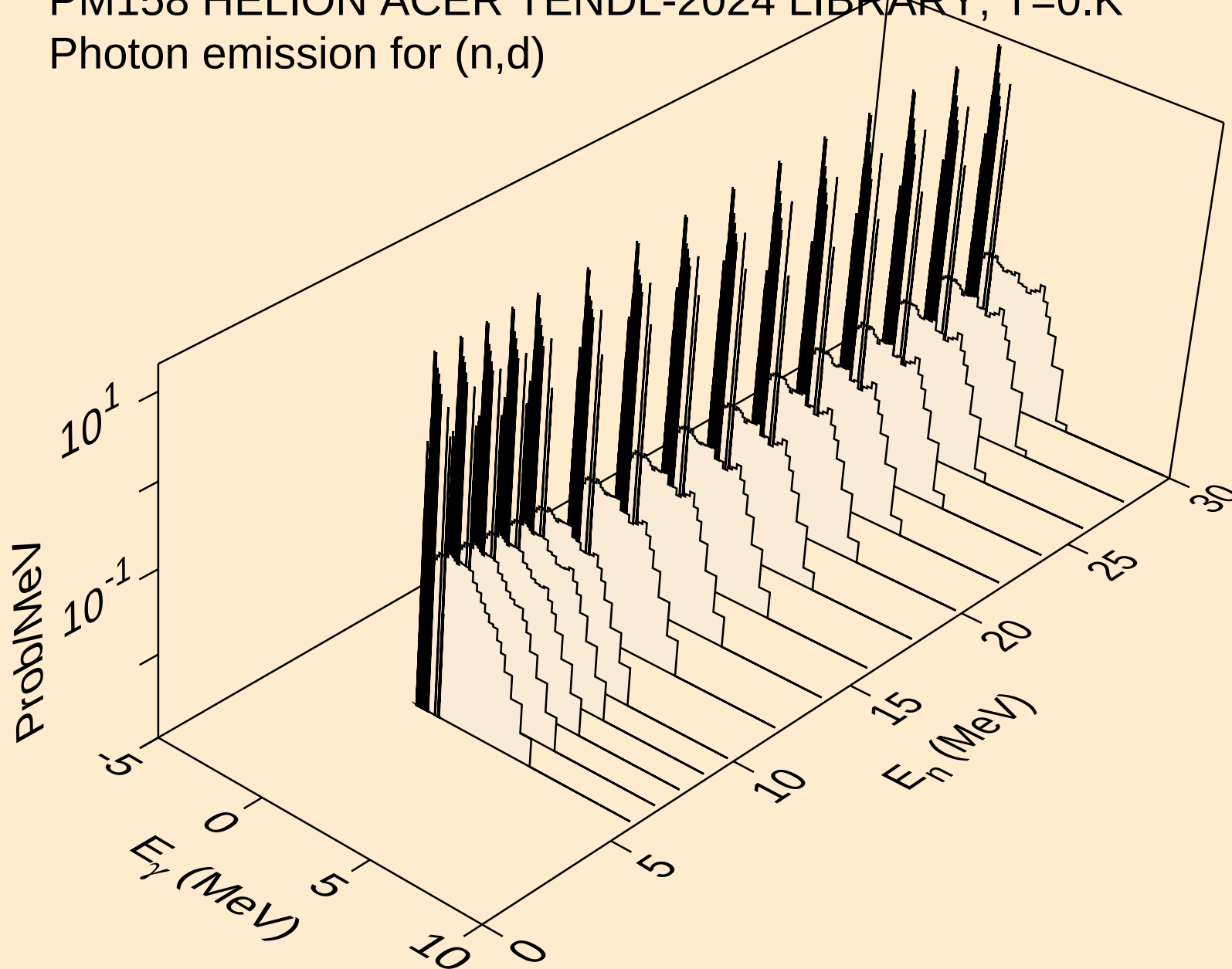
PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



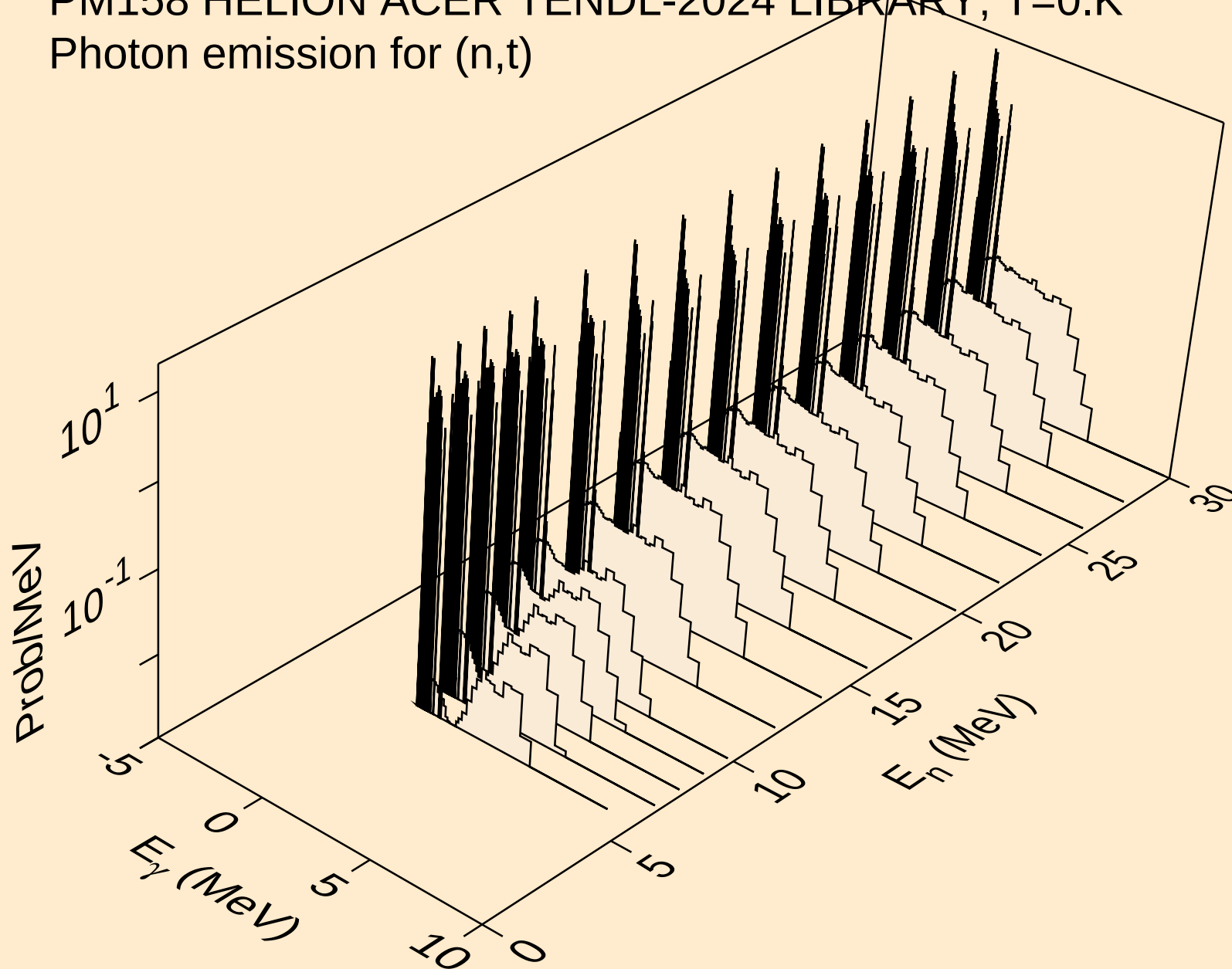
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Photon emission for (n,p)



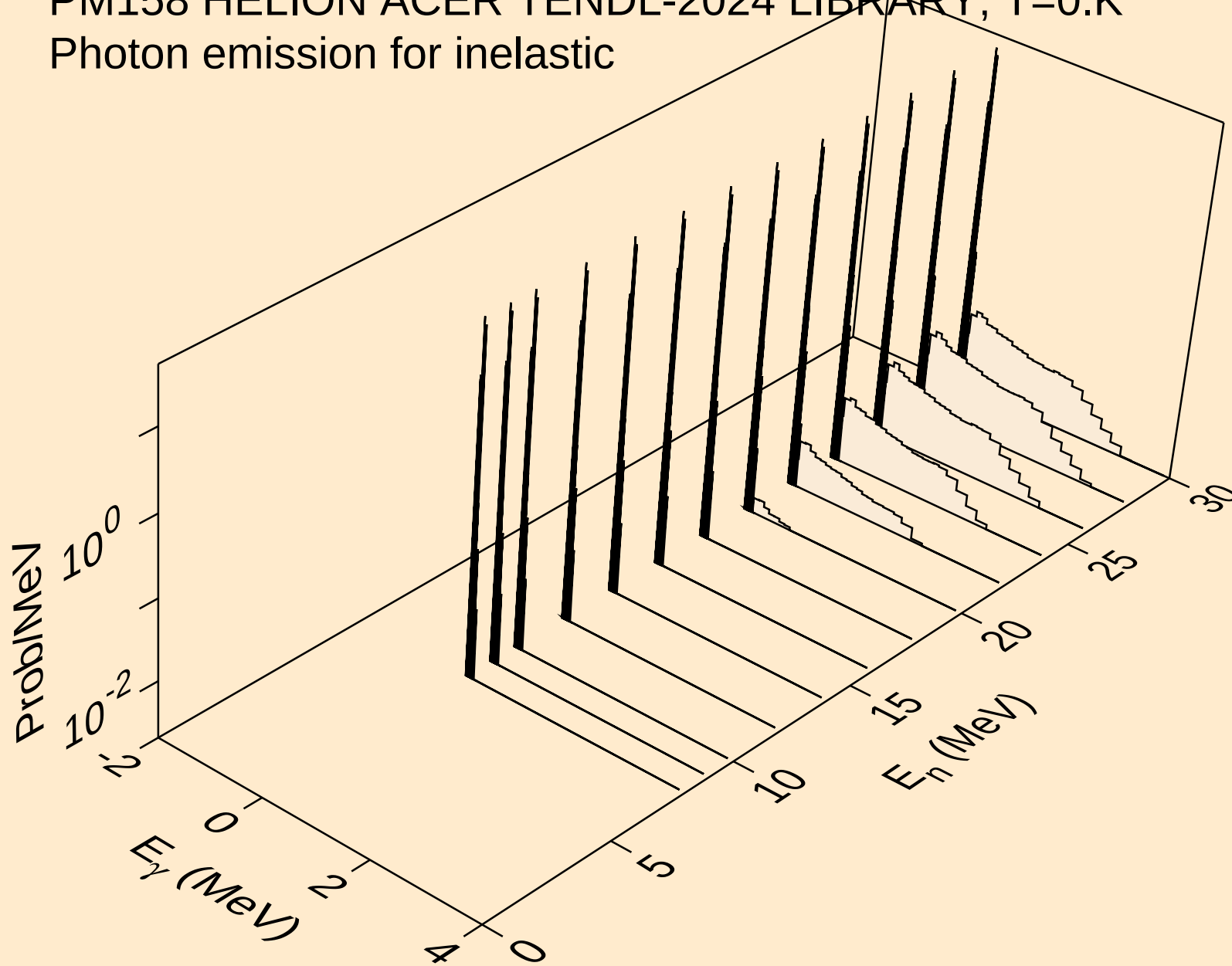
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Photon emission for (n,d)



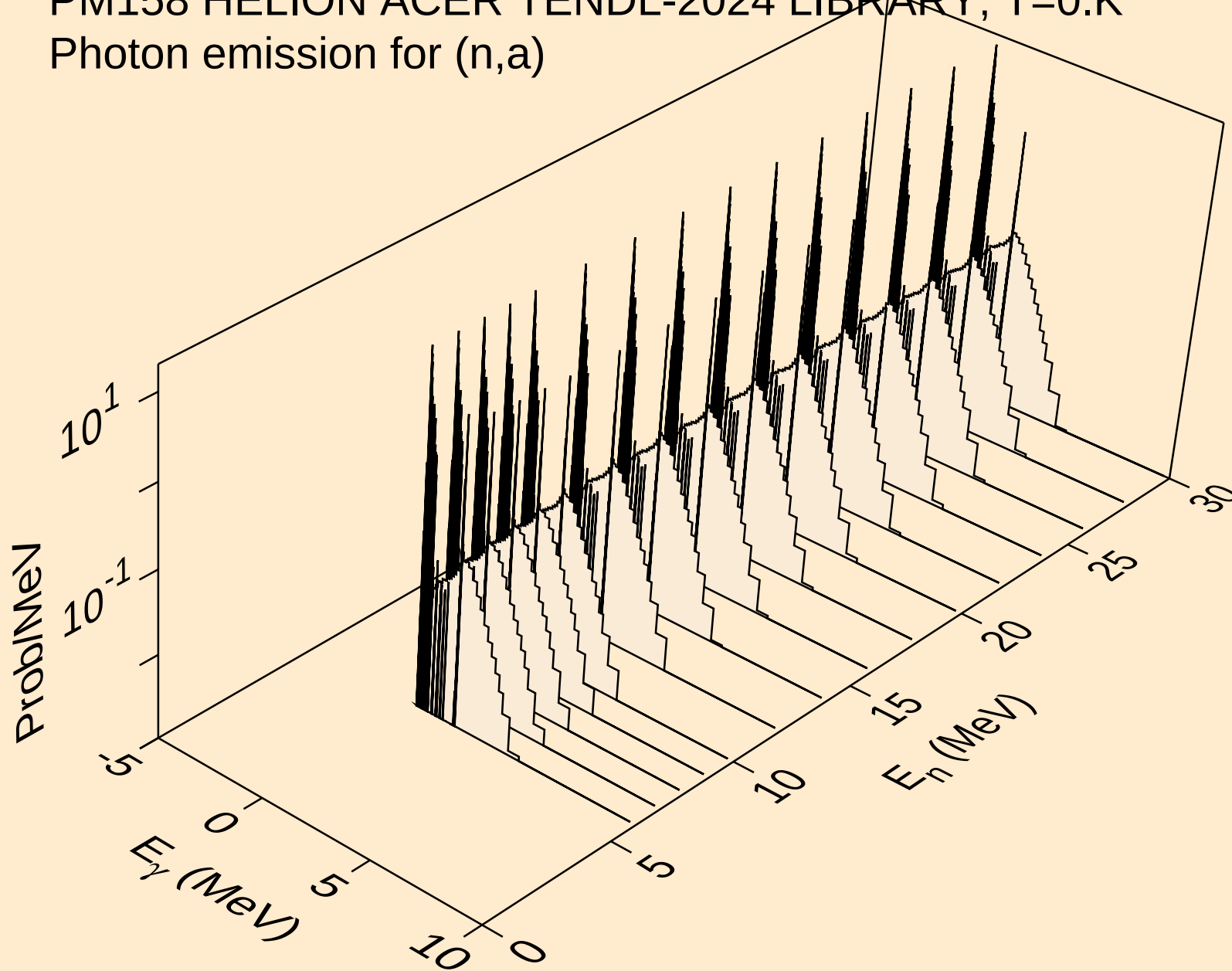
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Photon emission for (n,t)



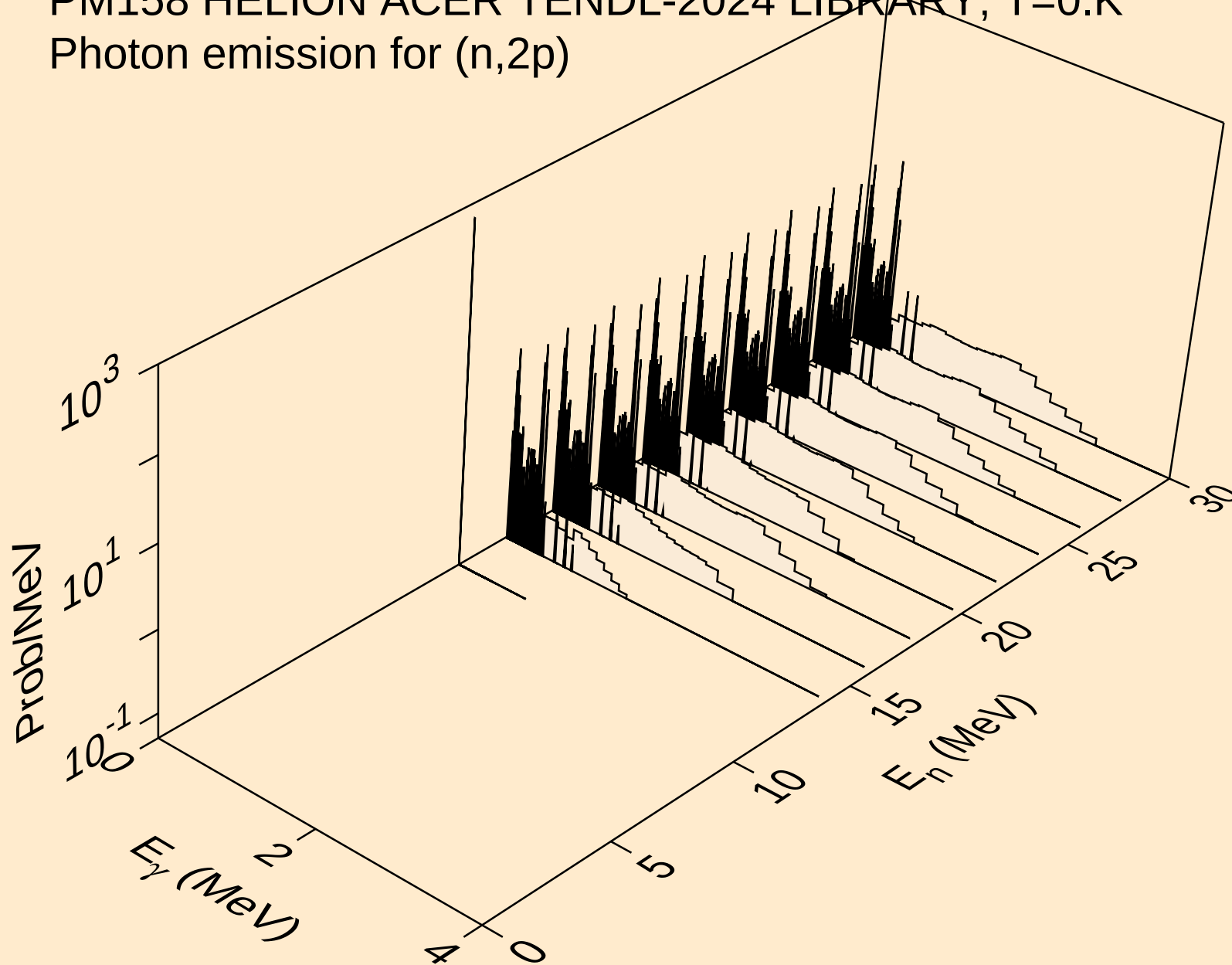
PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for inelastic



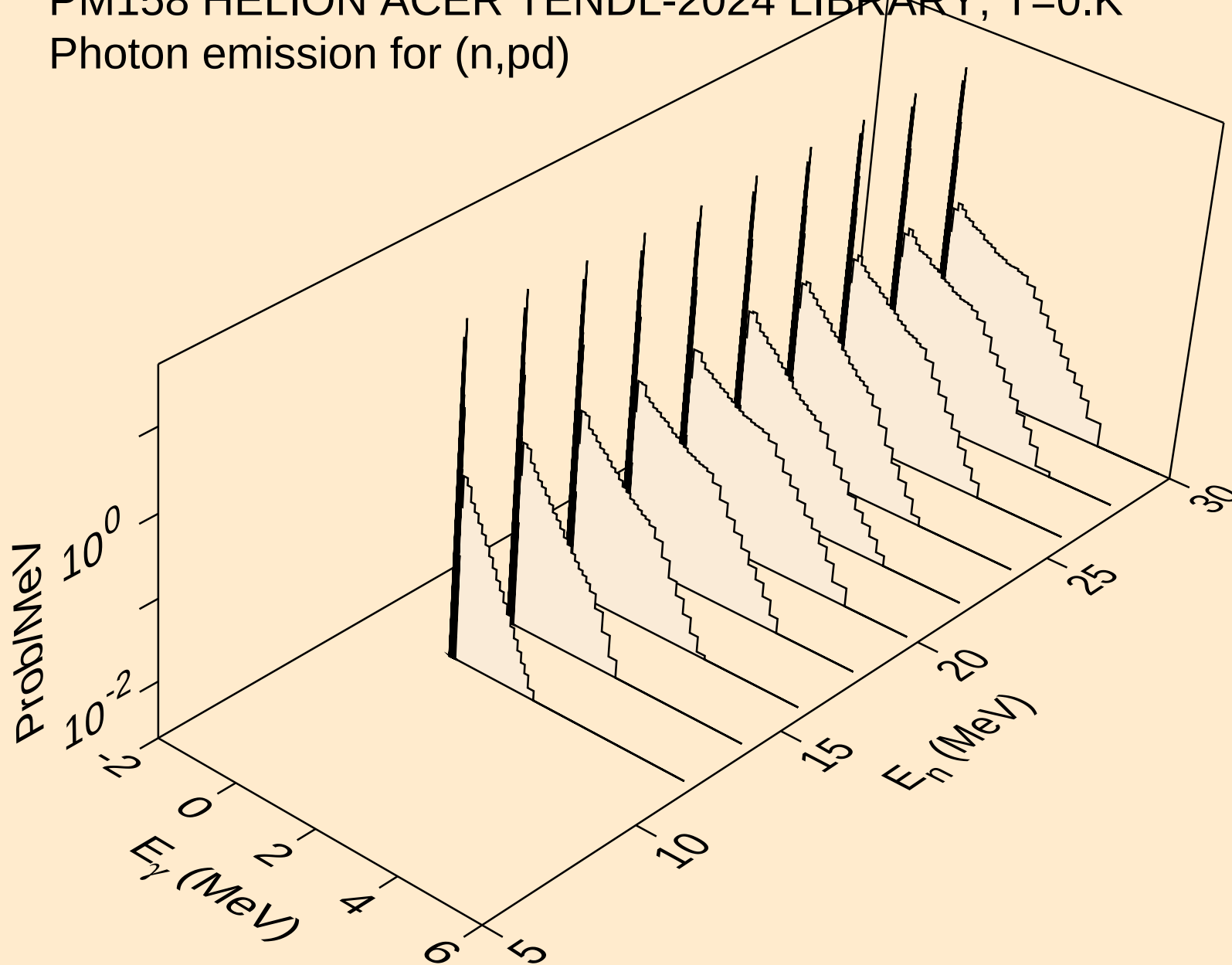
PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



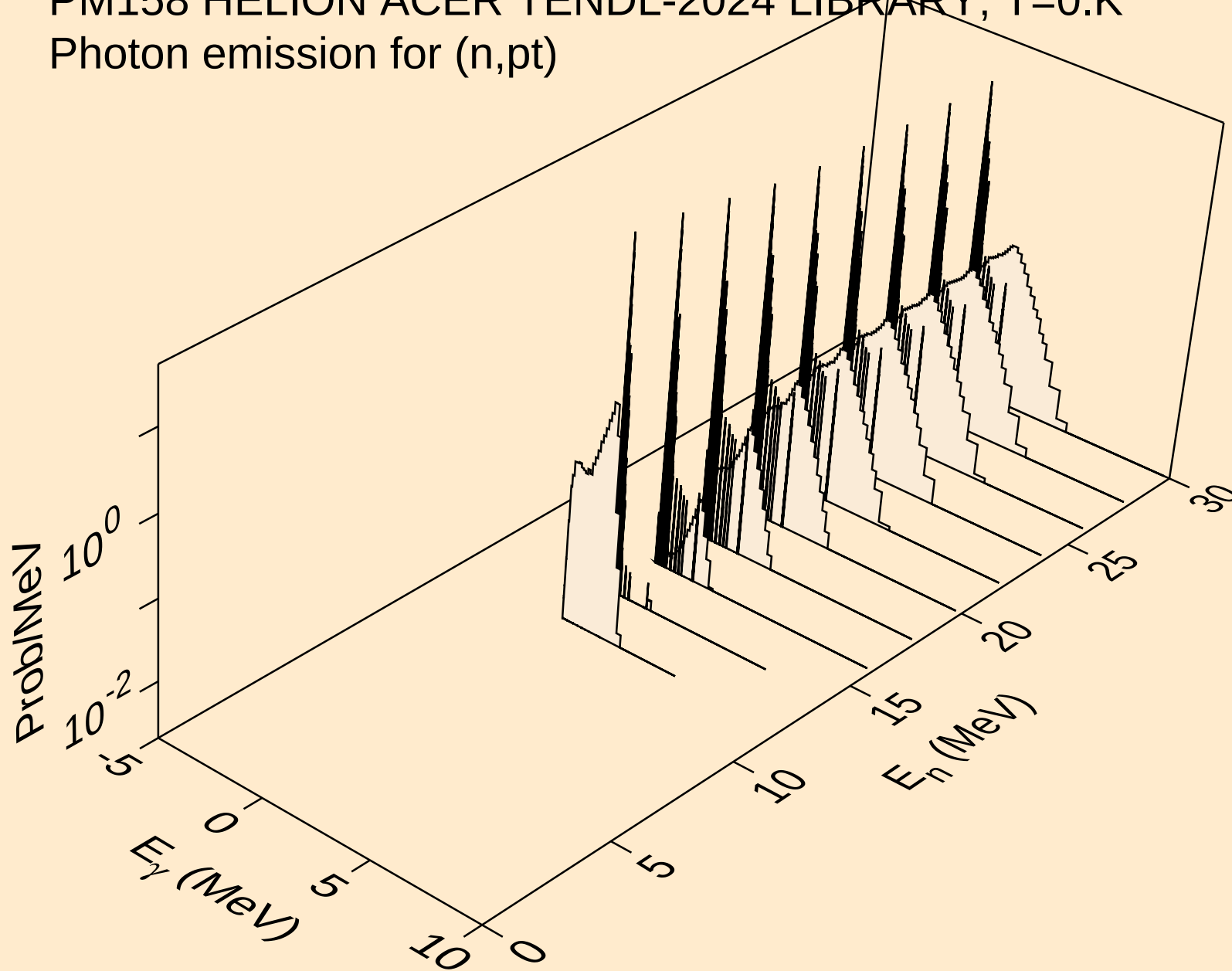
PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)

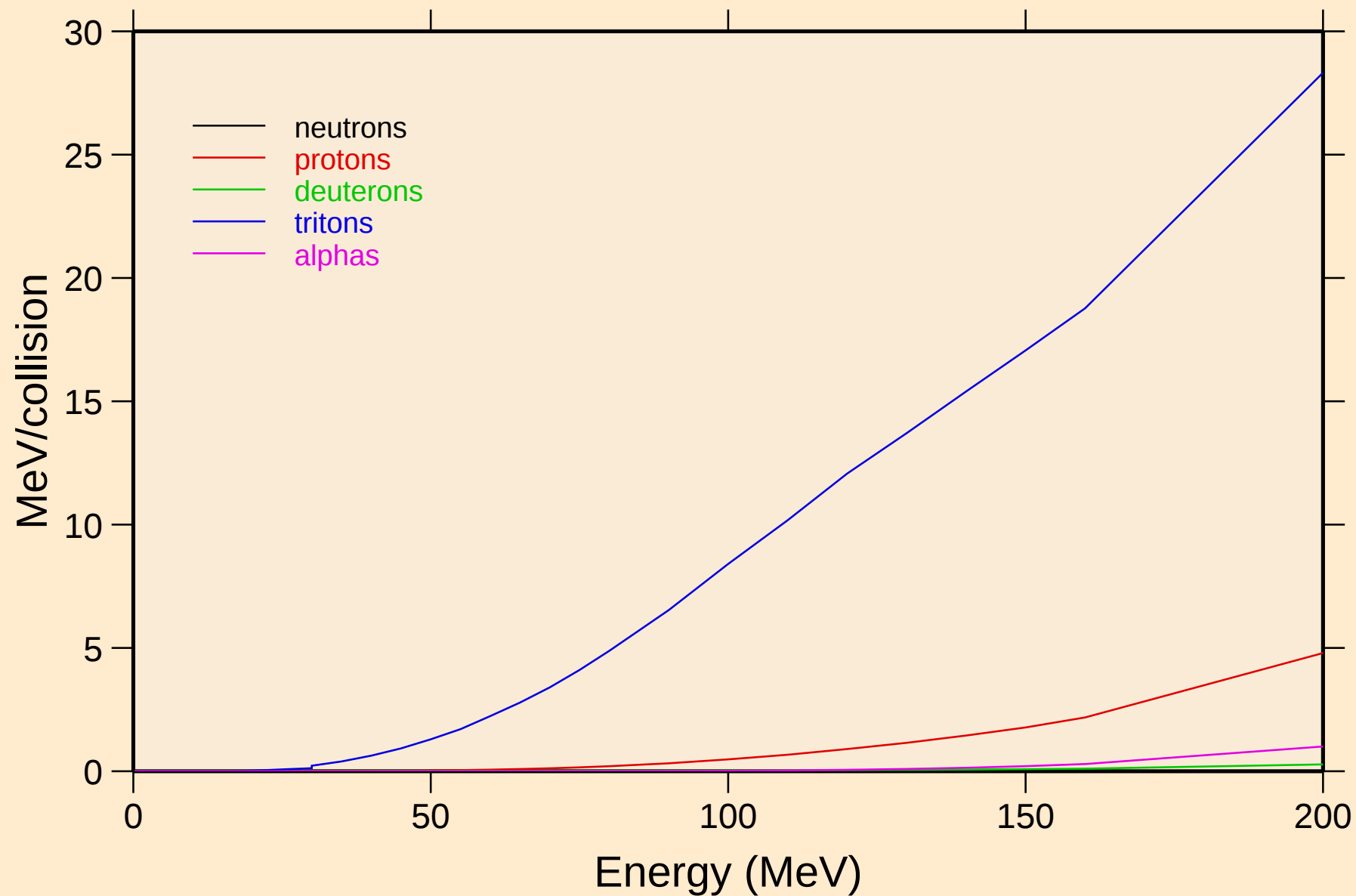


PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



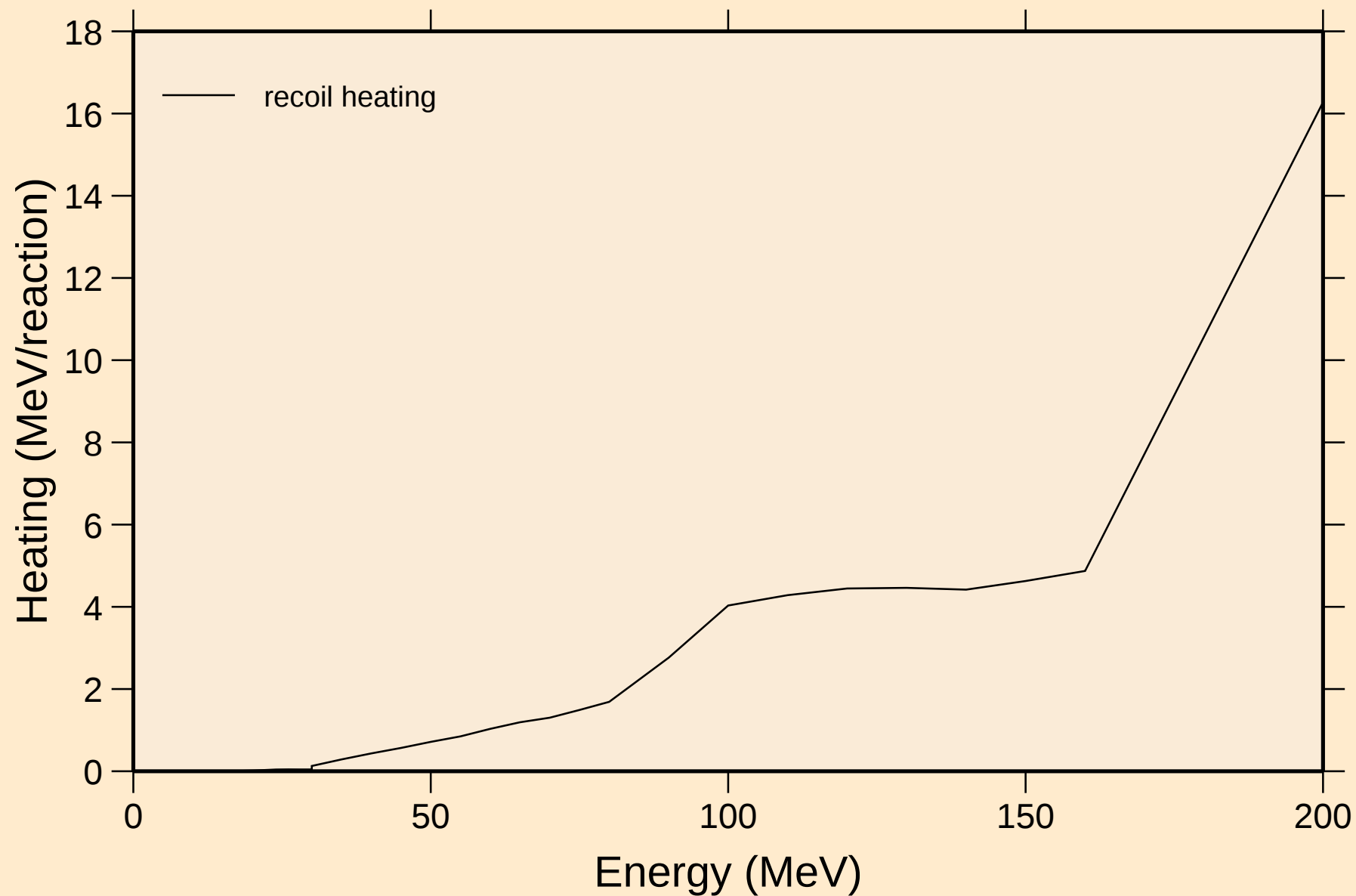
# PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Particle heating contributions



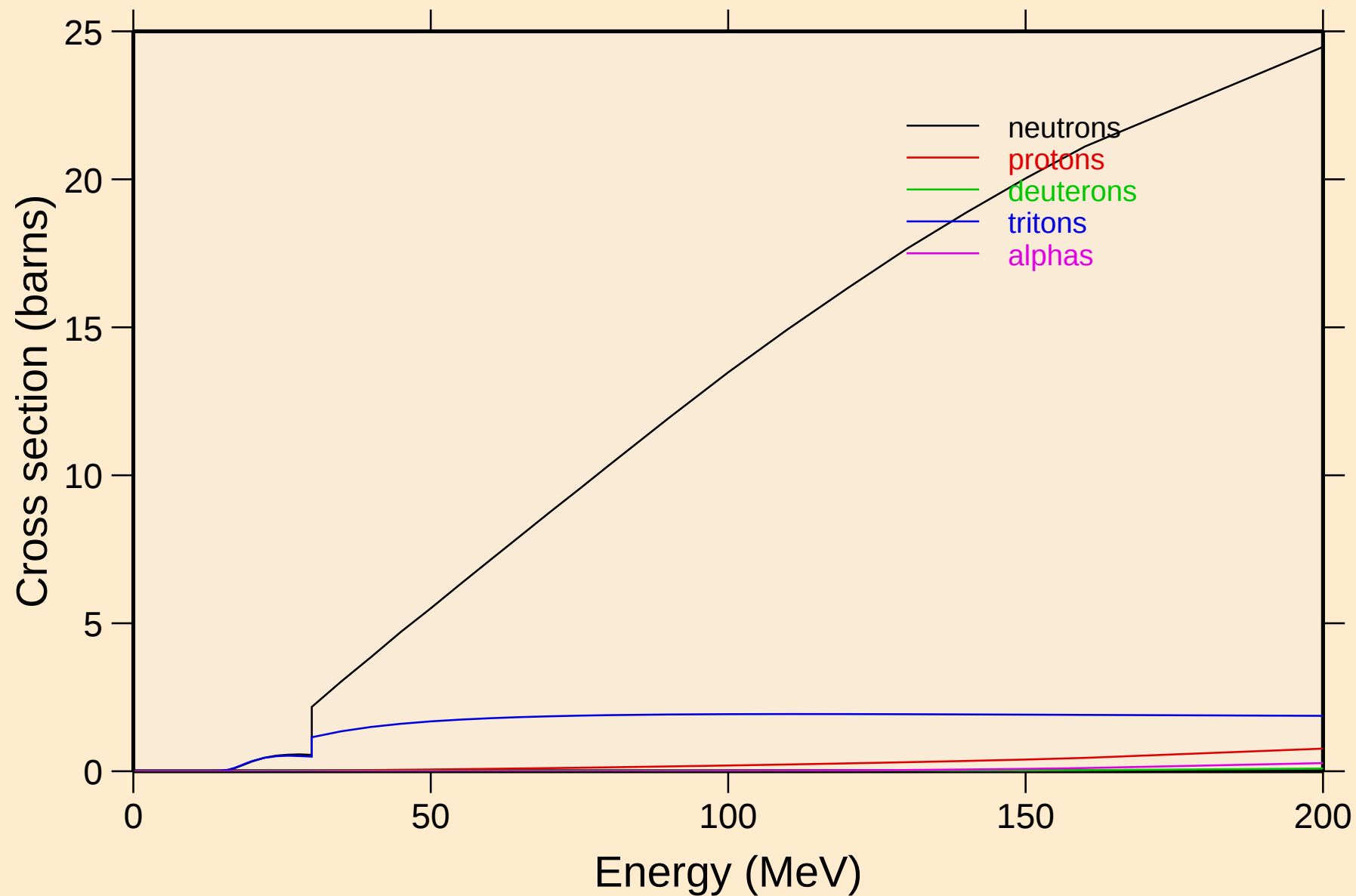
PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K

## Recoil Heating

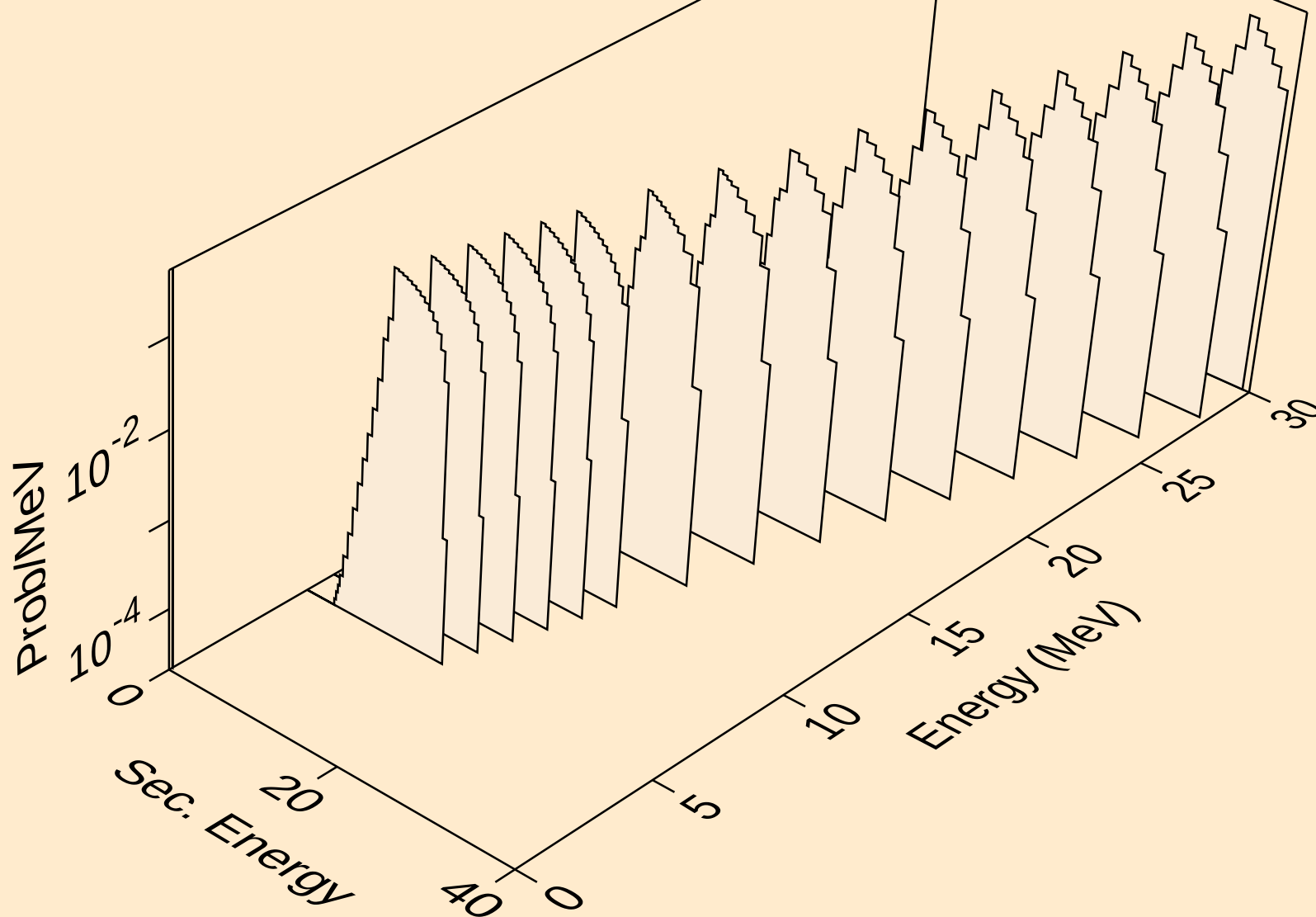


# PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K

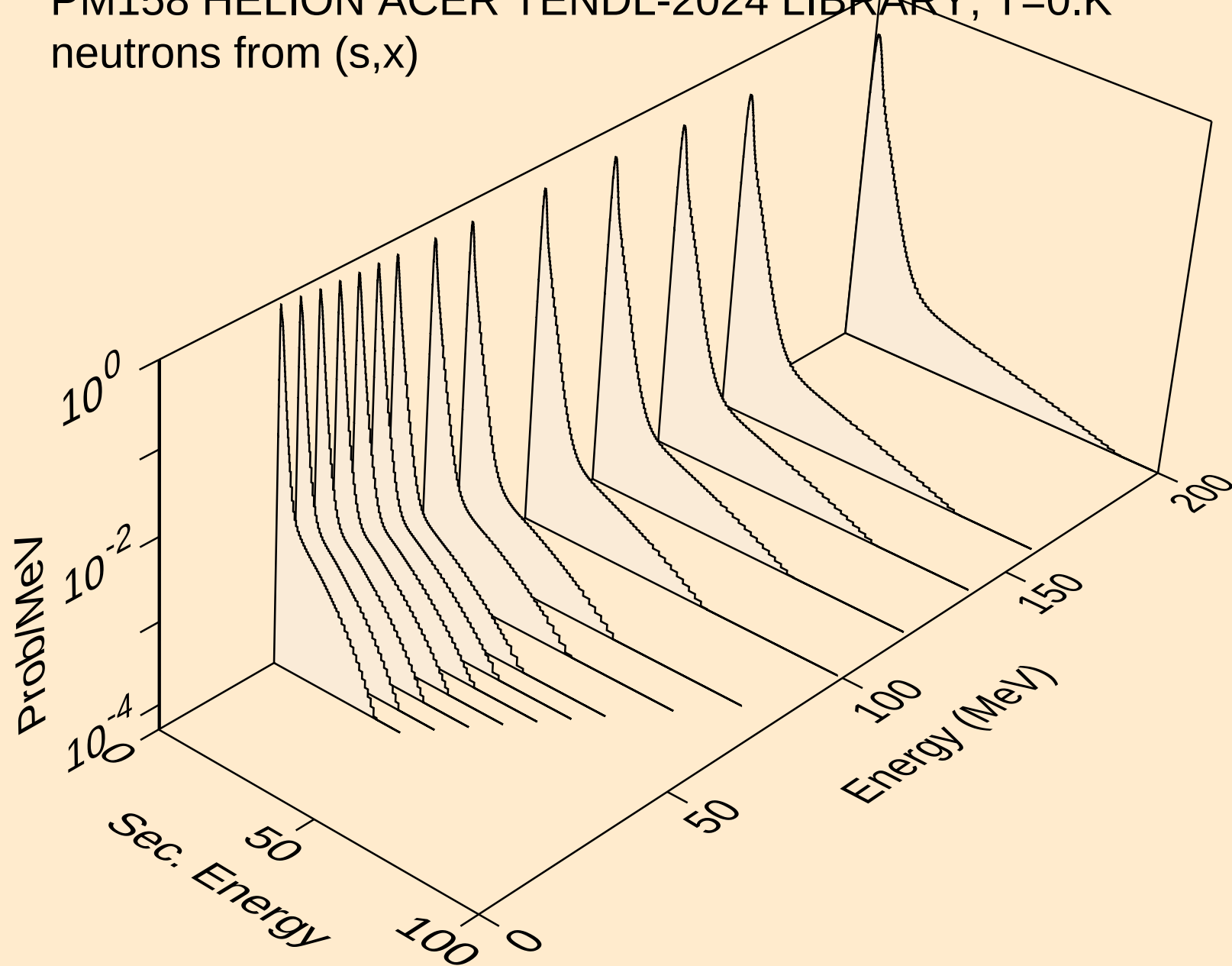
## Particle production cross sections



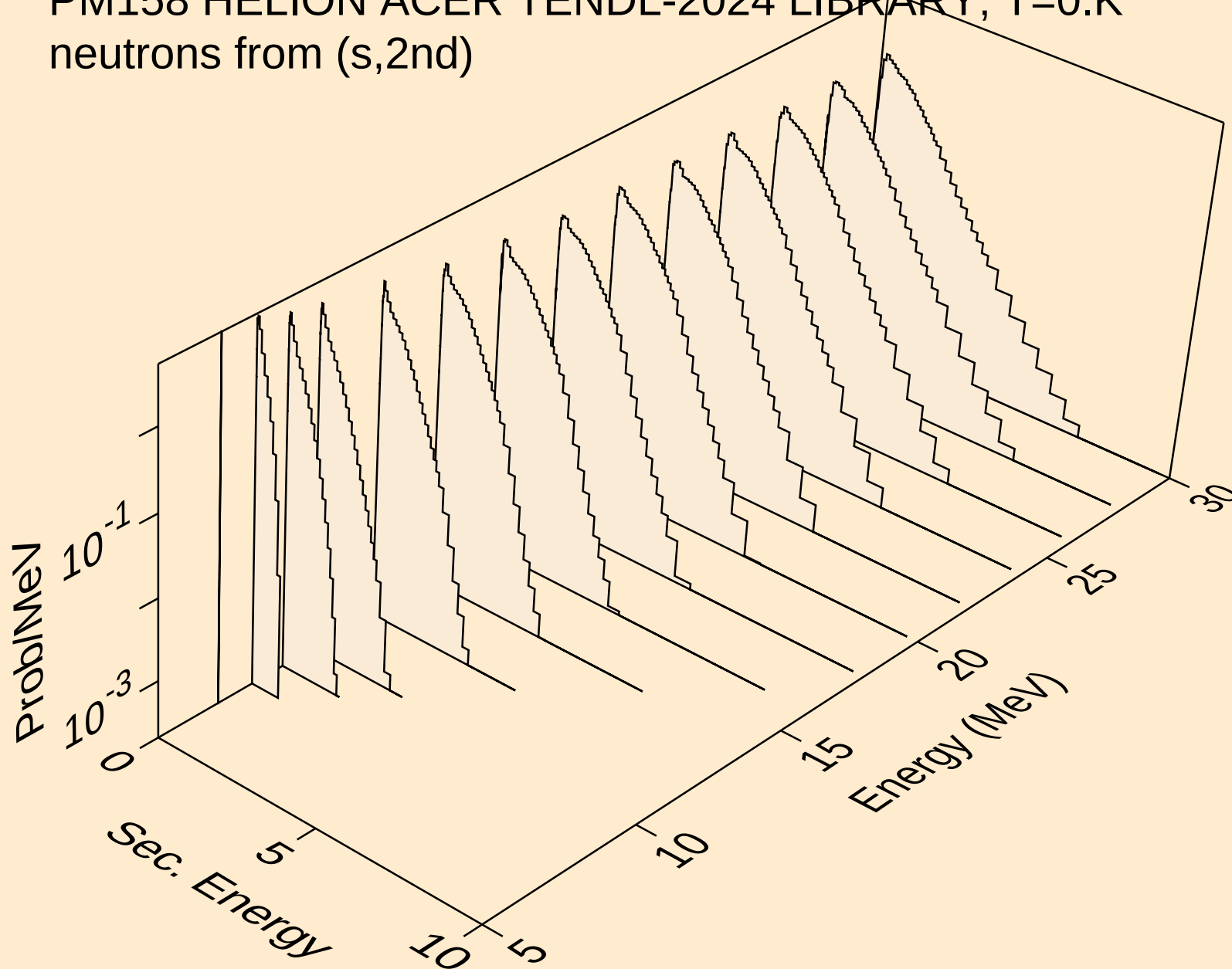
PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n)



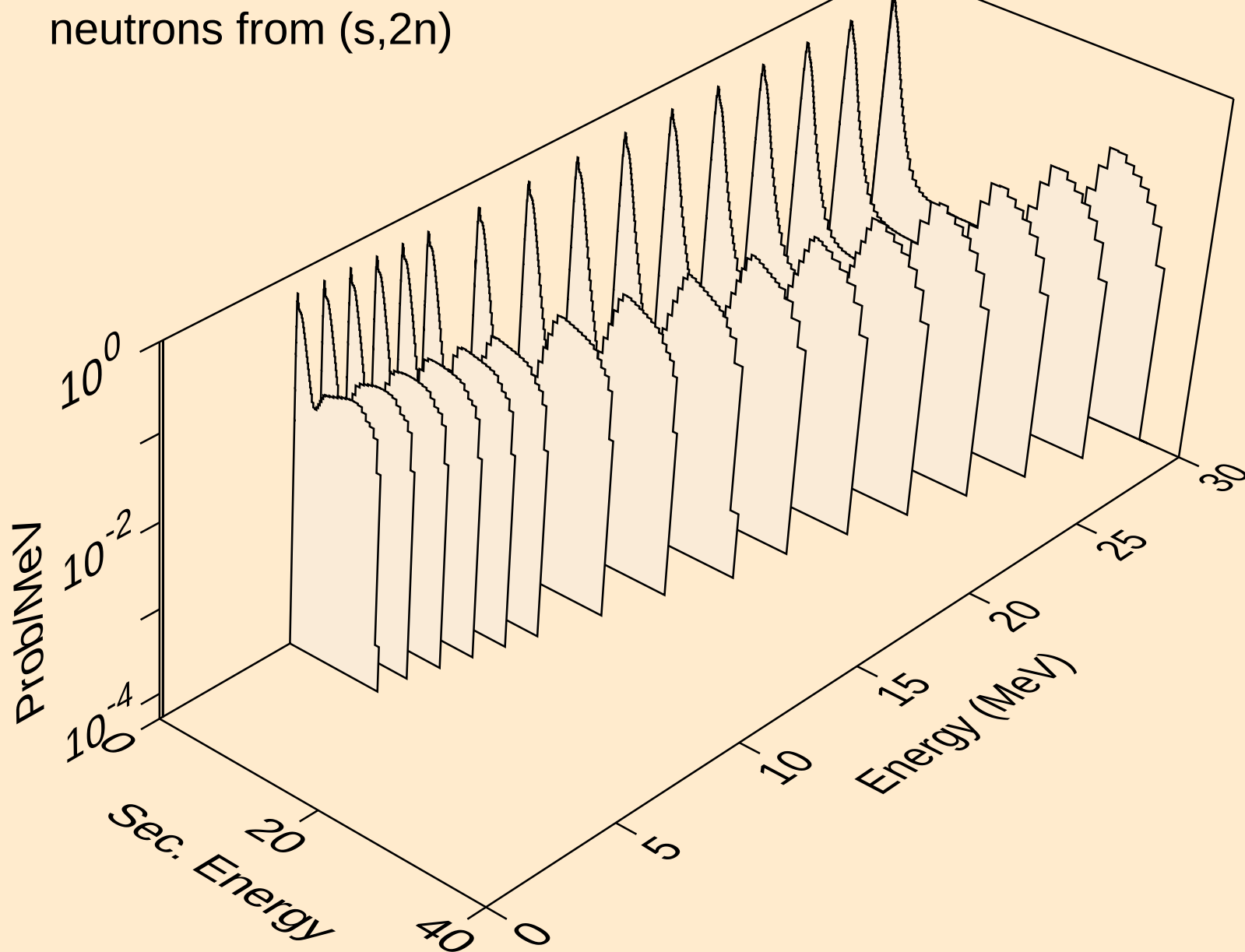
PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,x)



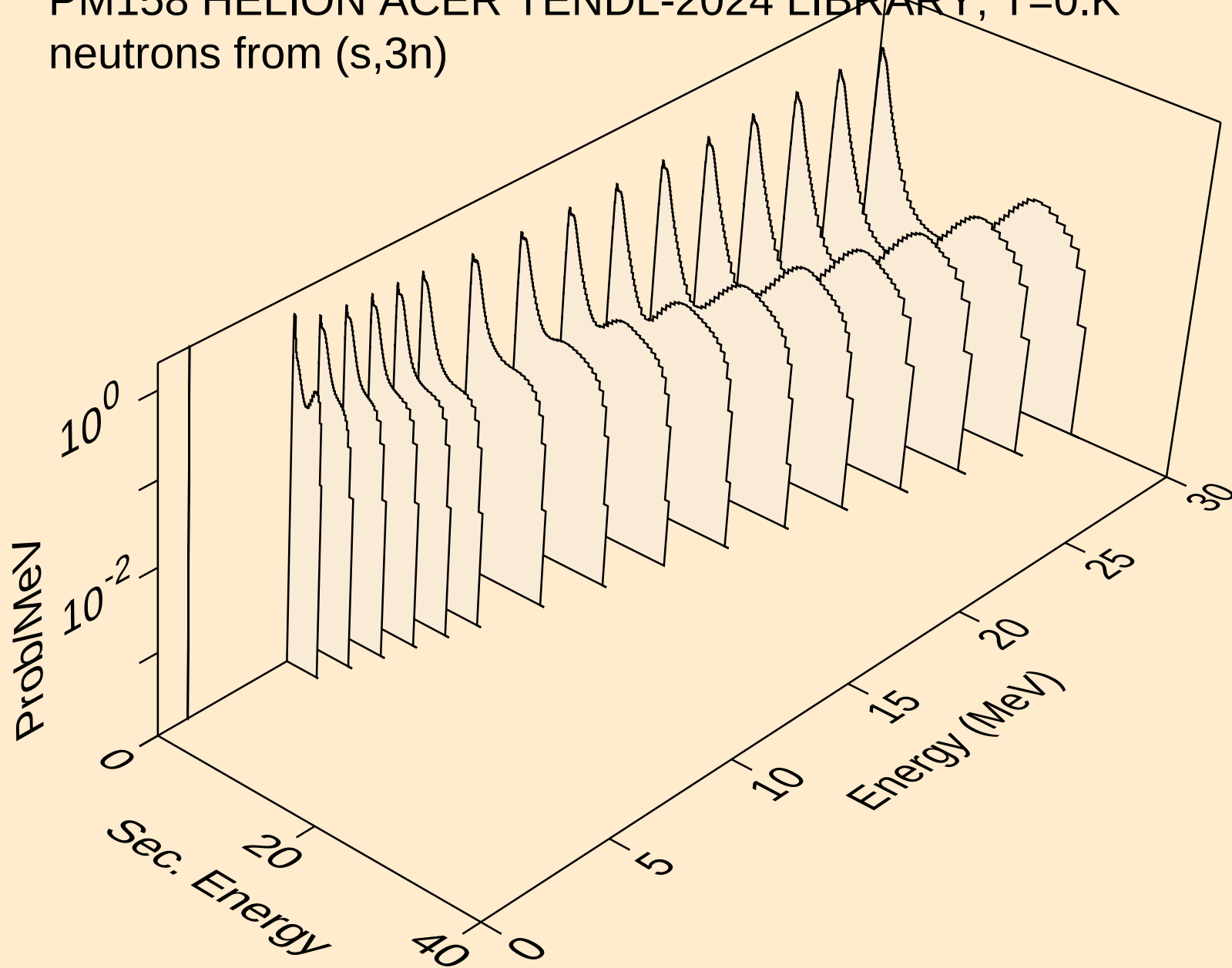
PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,2nd)



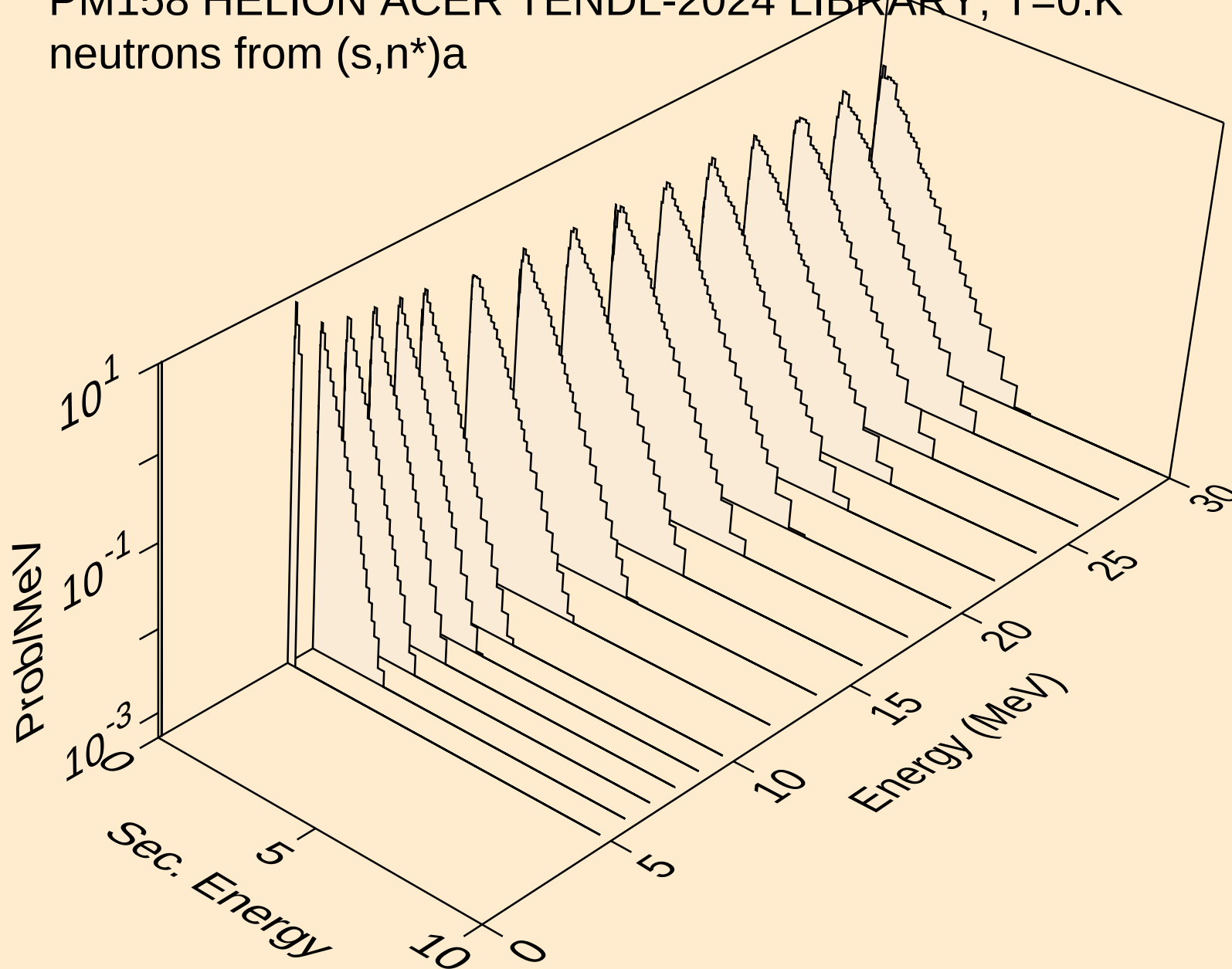
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neutrons from (s,2n)



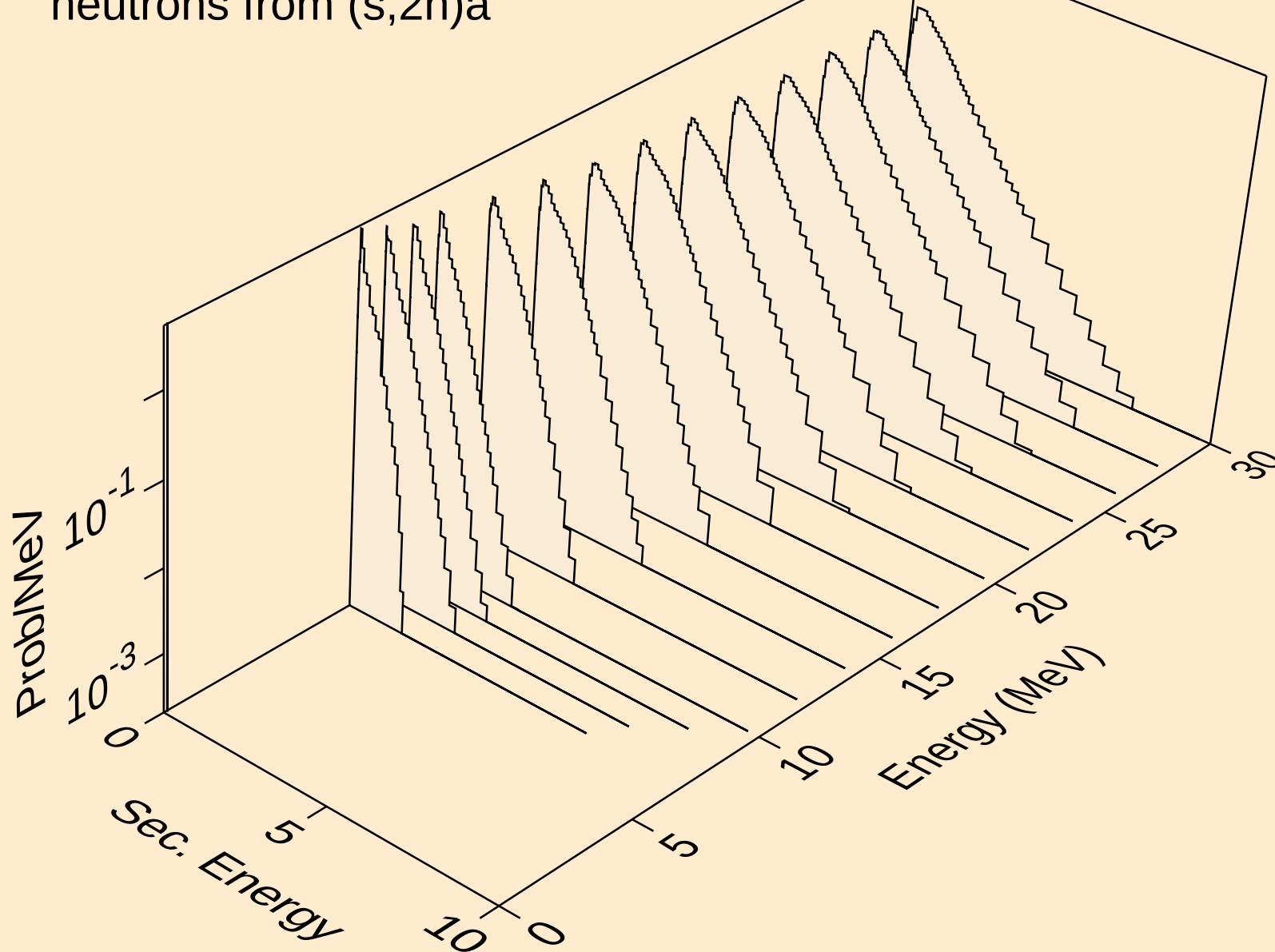
PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,3n)



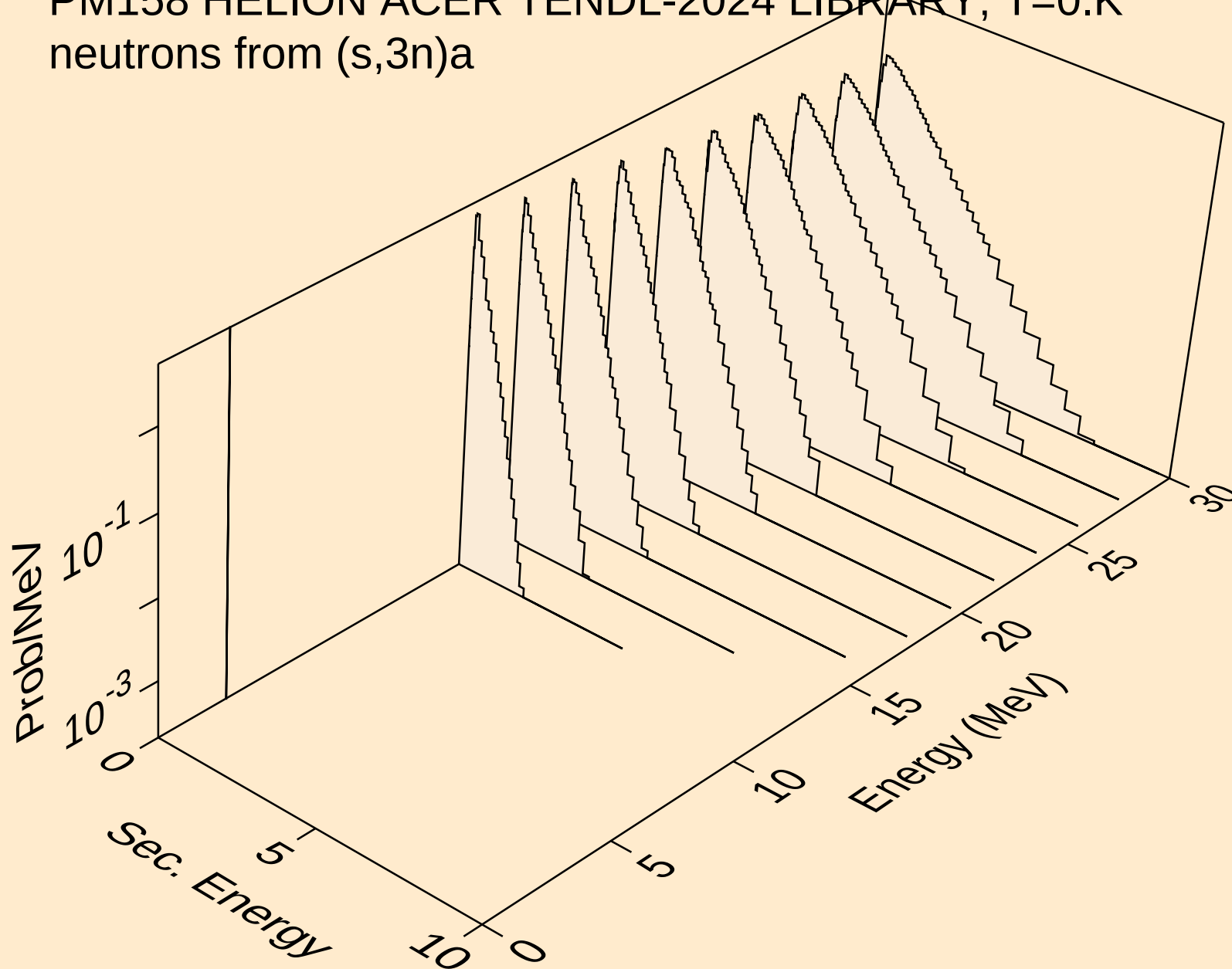
PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)a



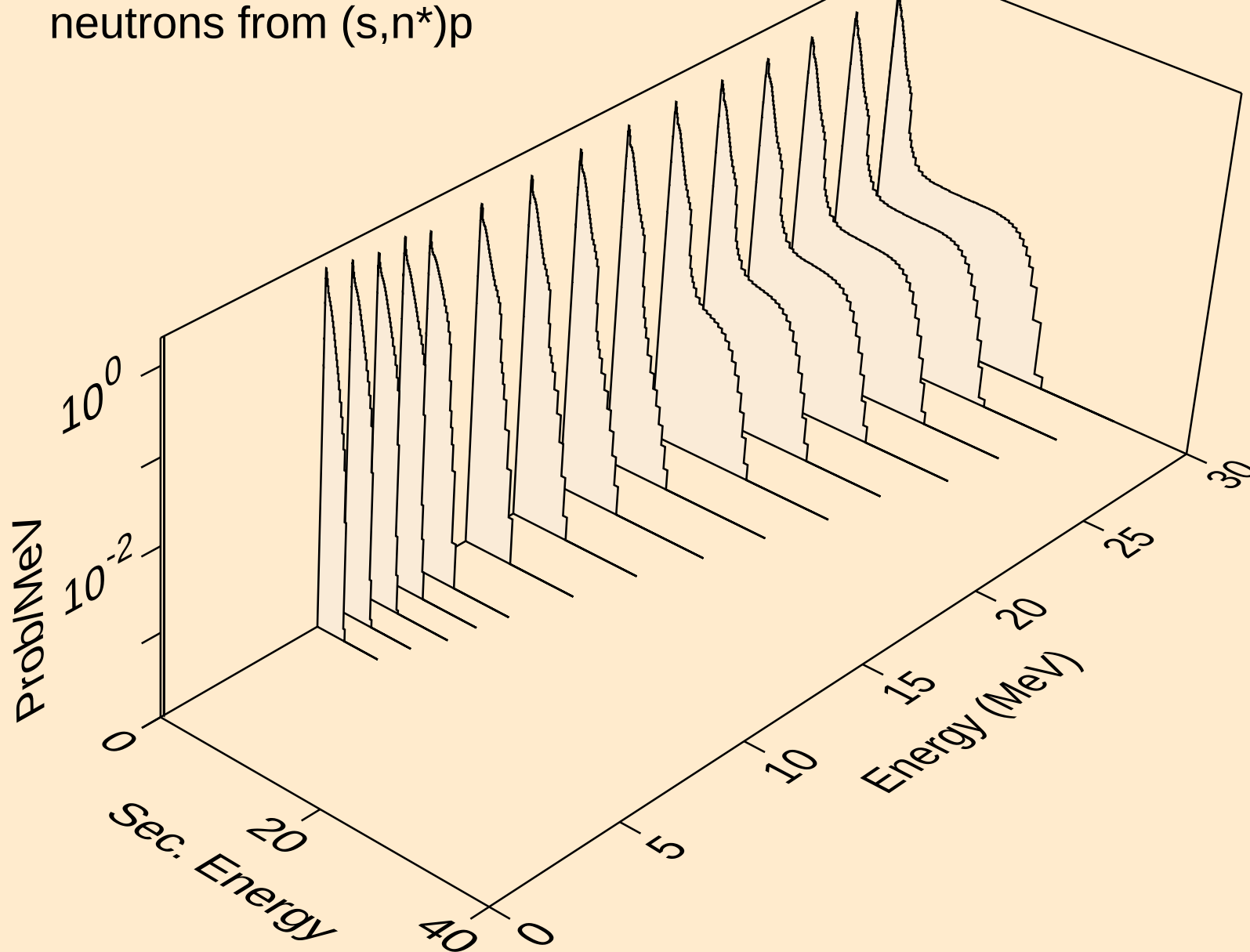
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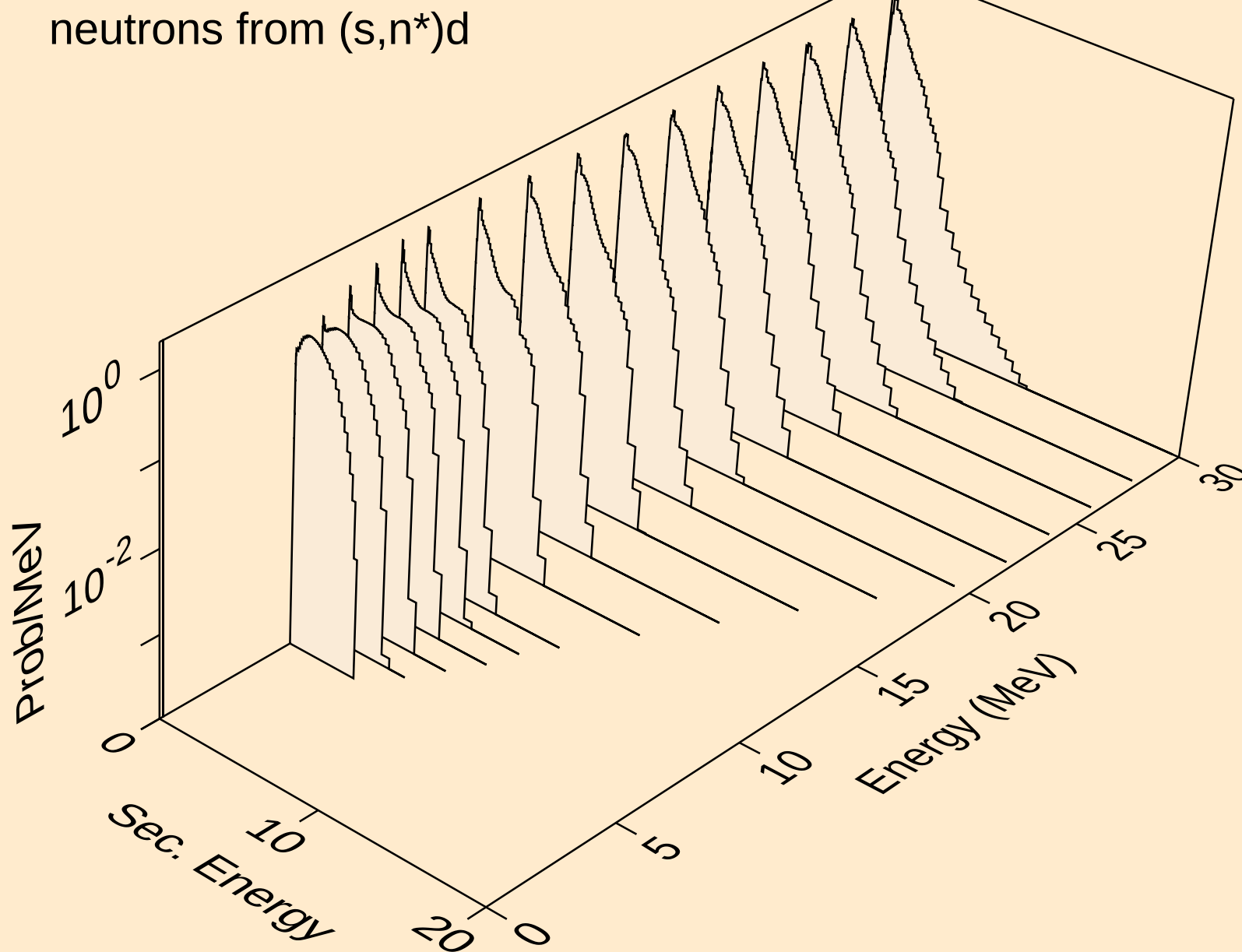
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neutrons from (s,3n)a



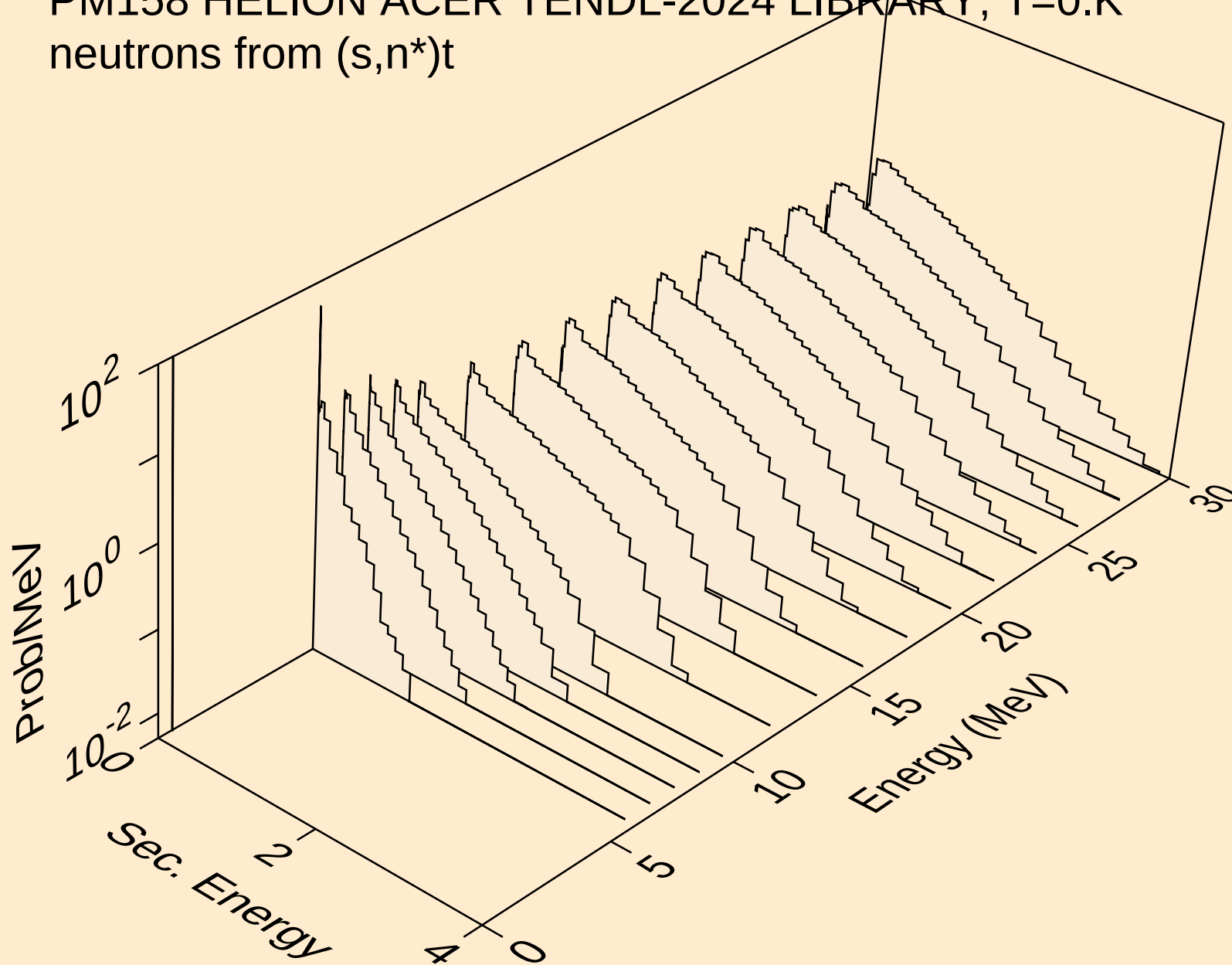
PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)p



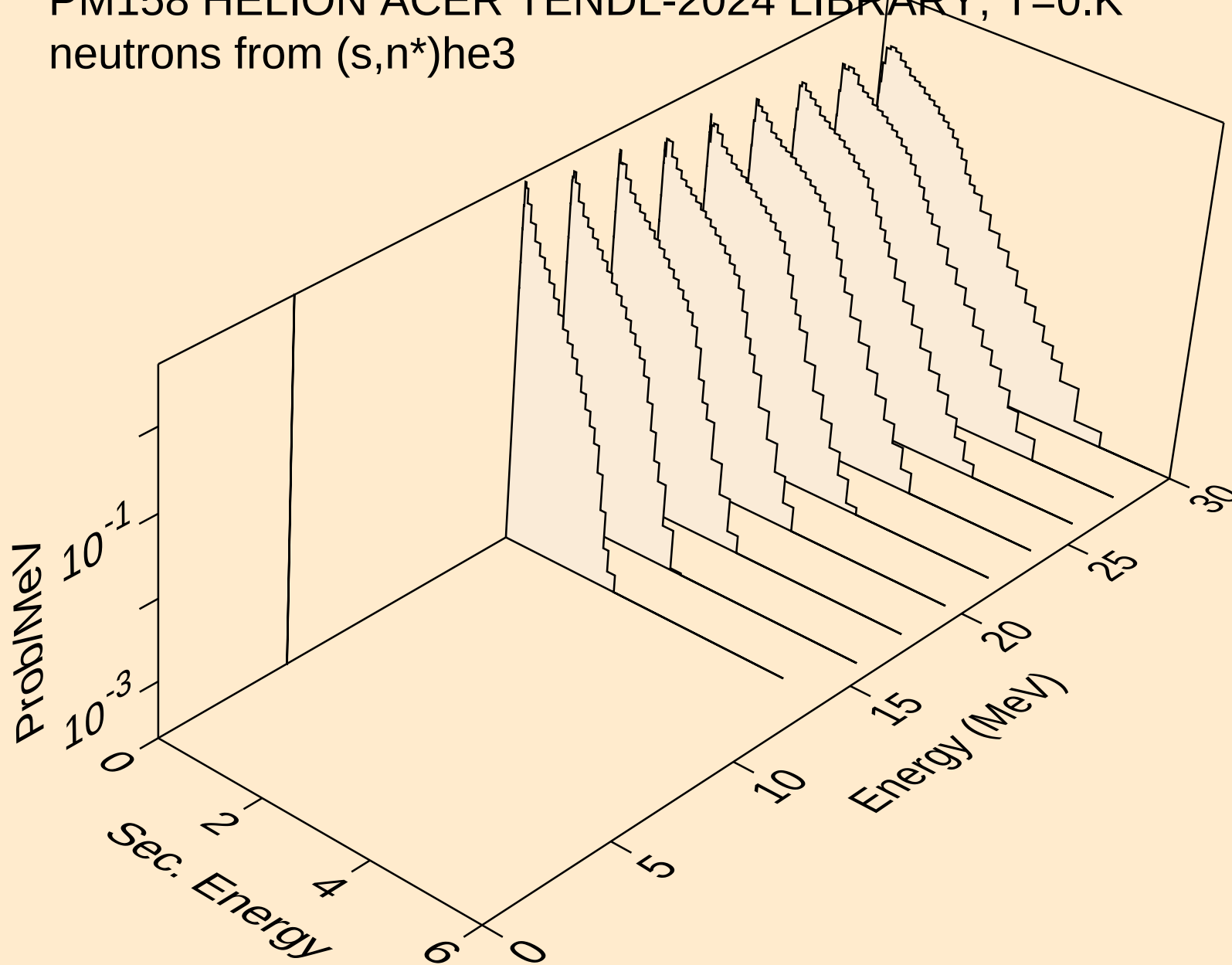
PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
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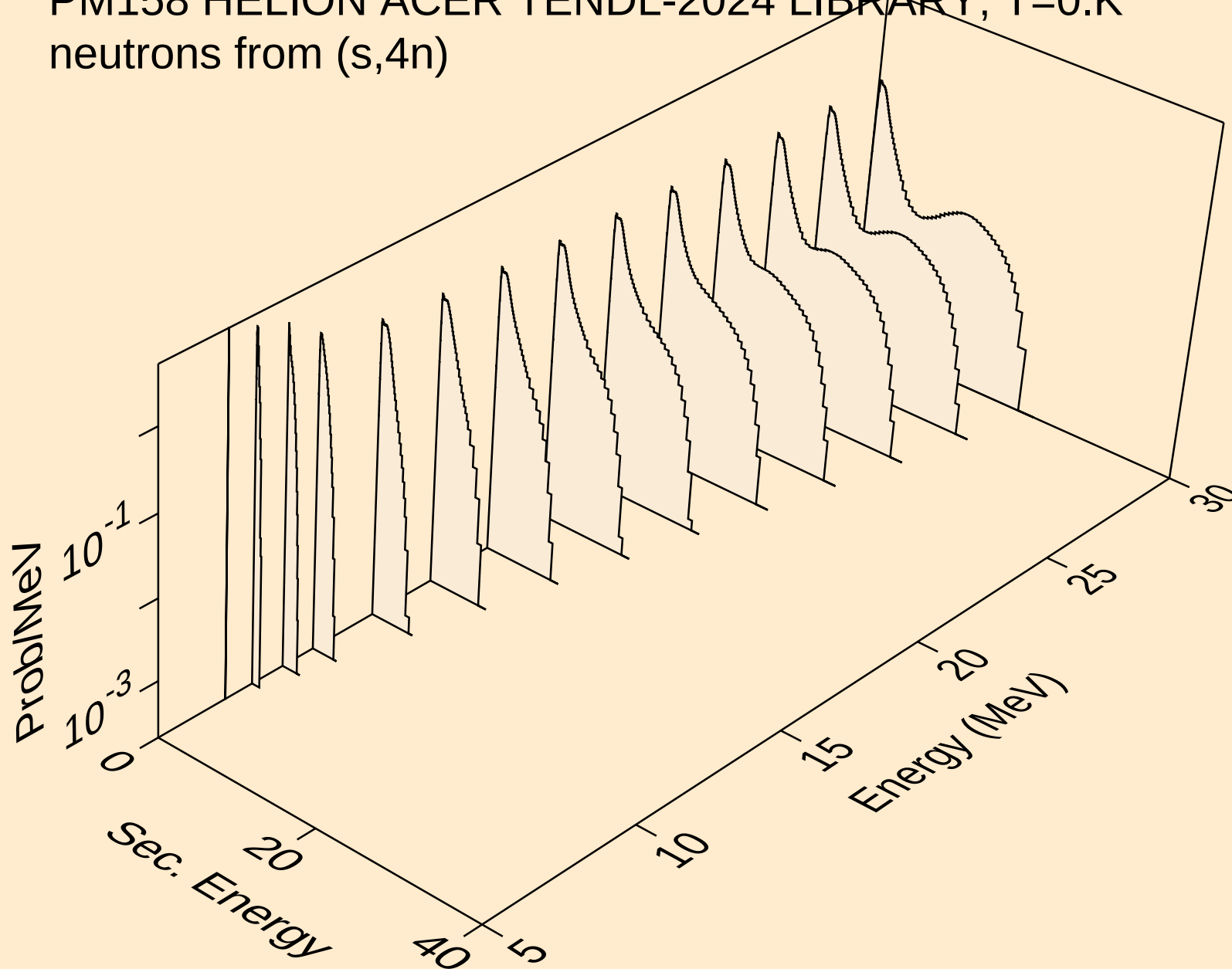
PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)t



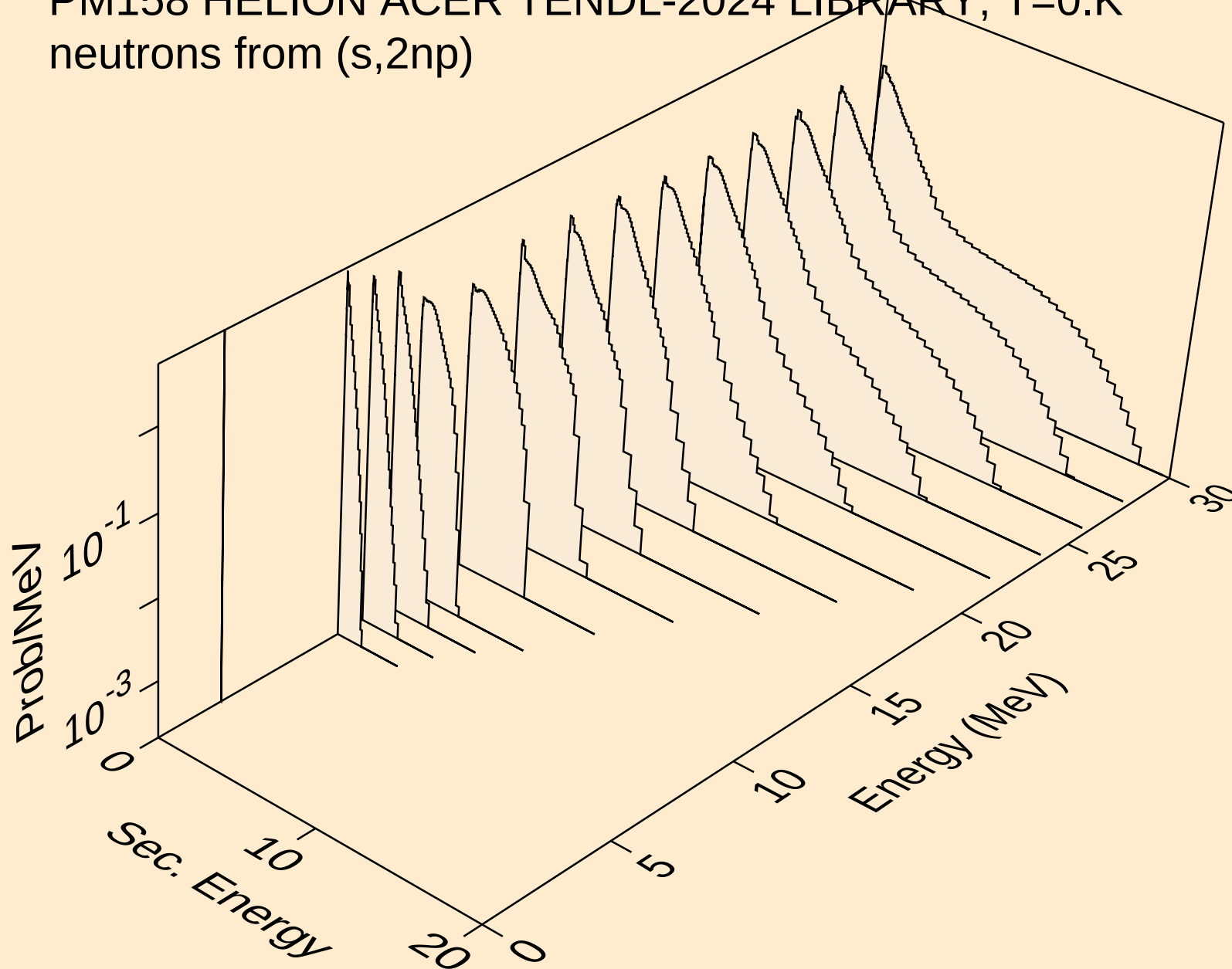
PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
neutrons from (s,n\*)he3



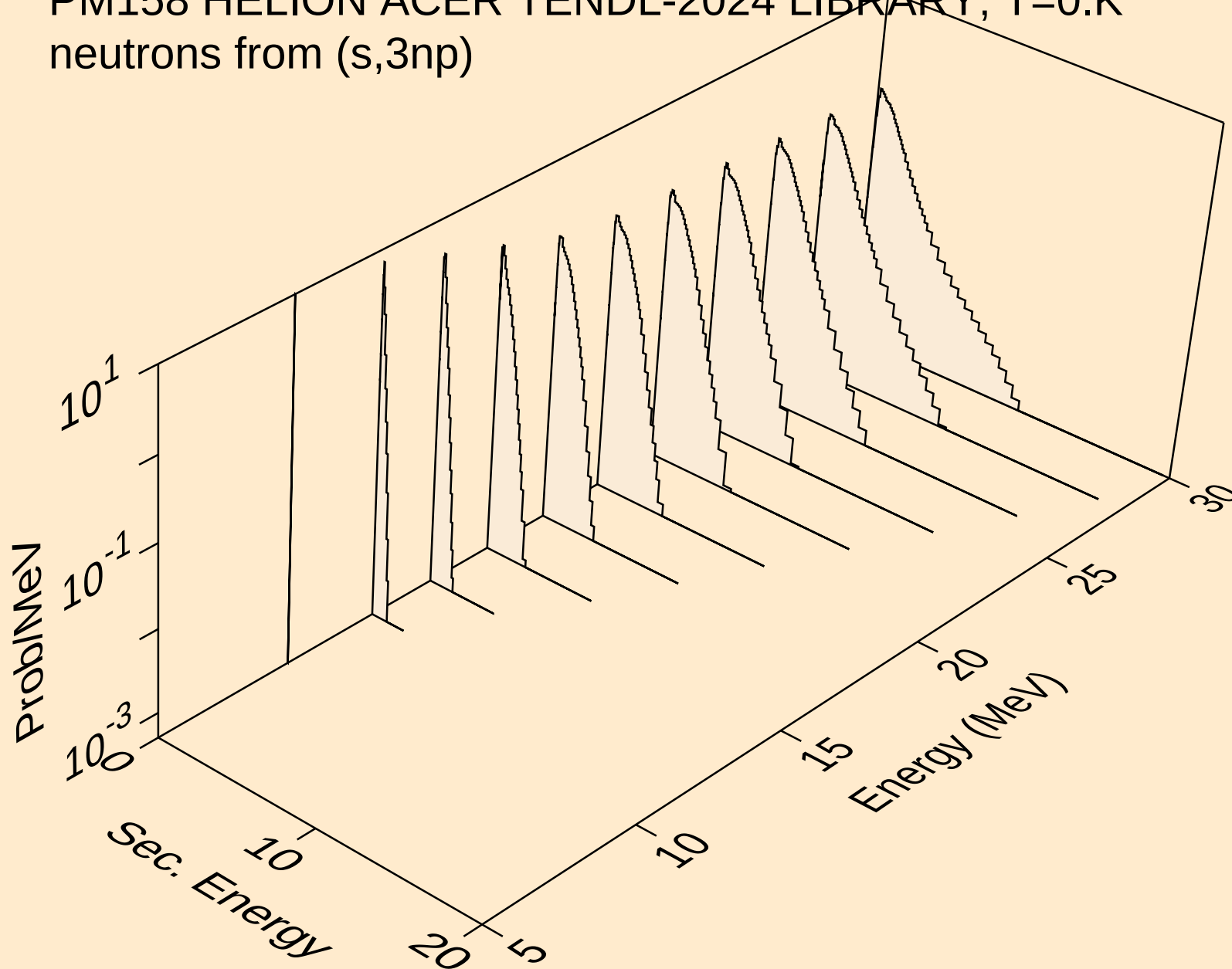
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neutrons from (s,4n)



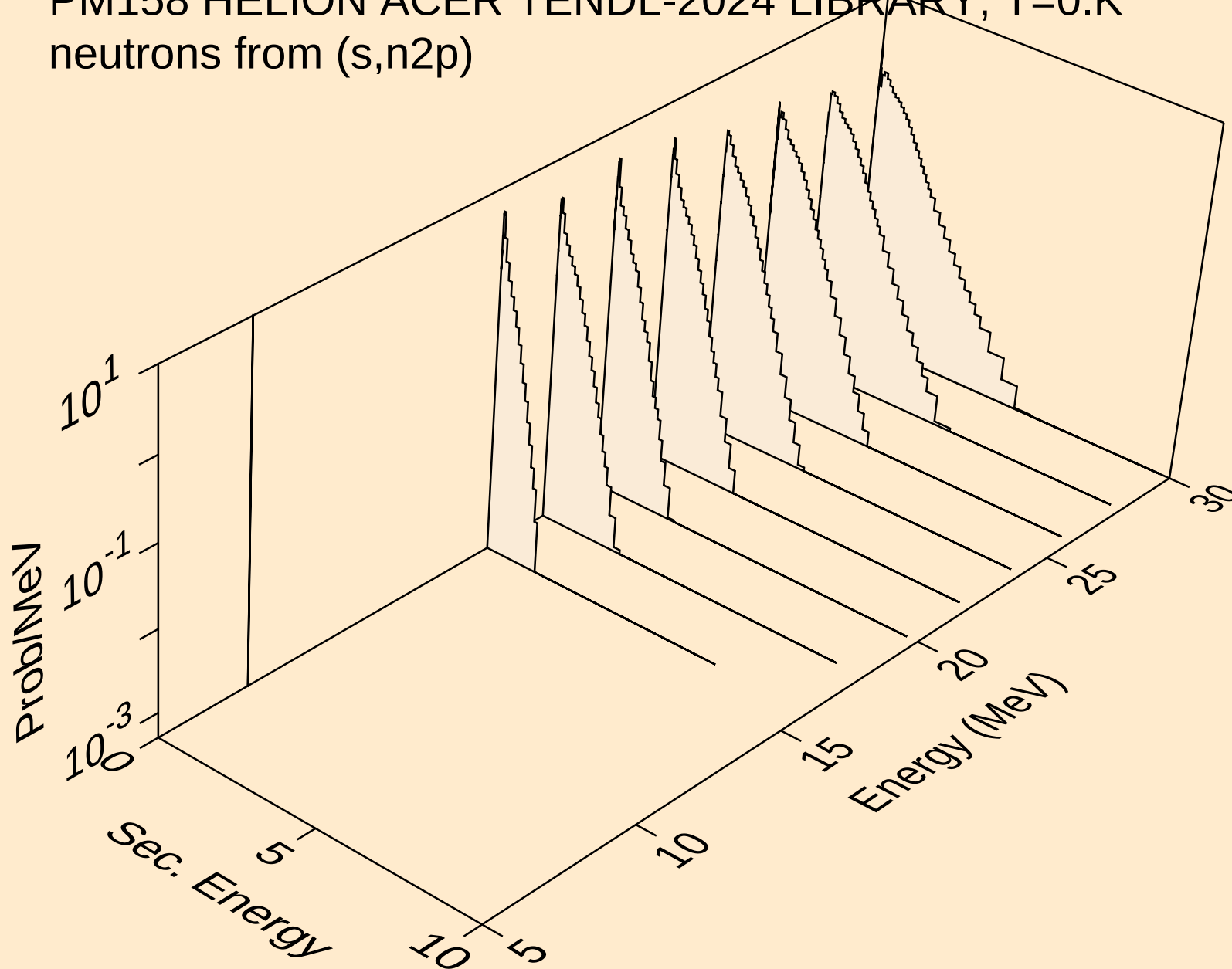
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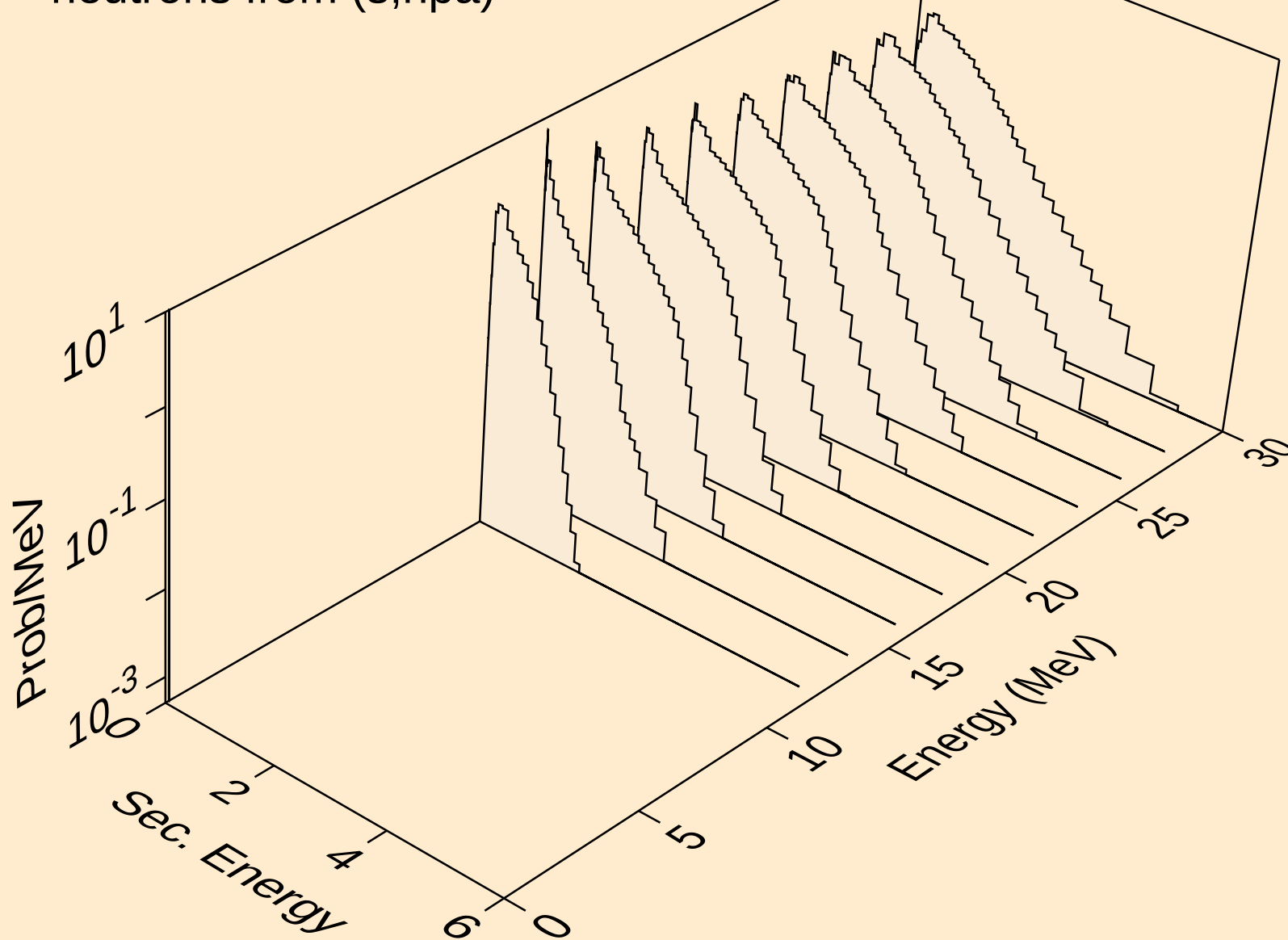
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neutrons from (s,3np)



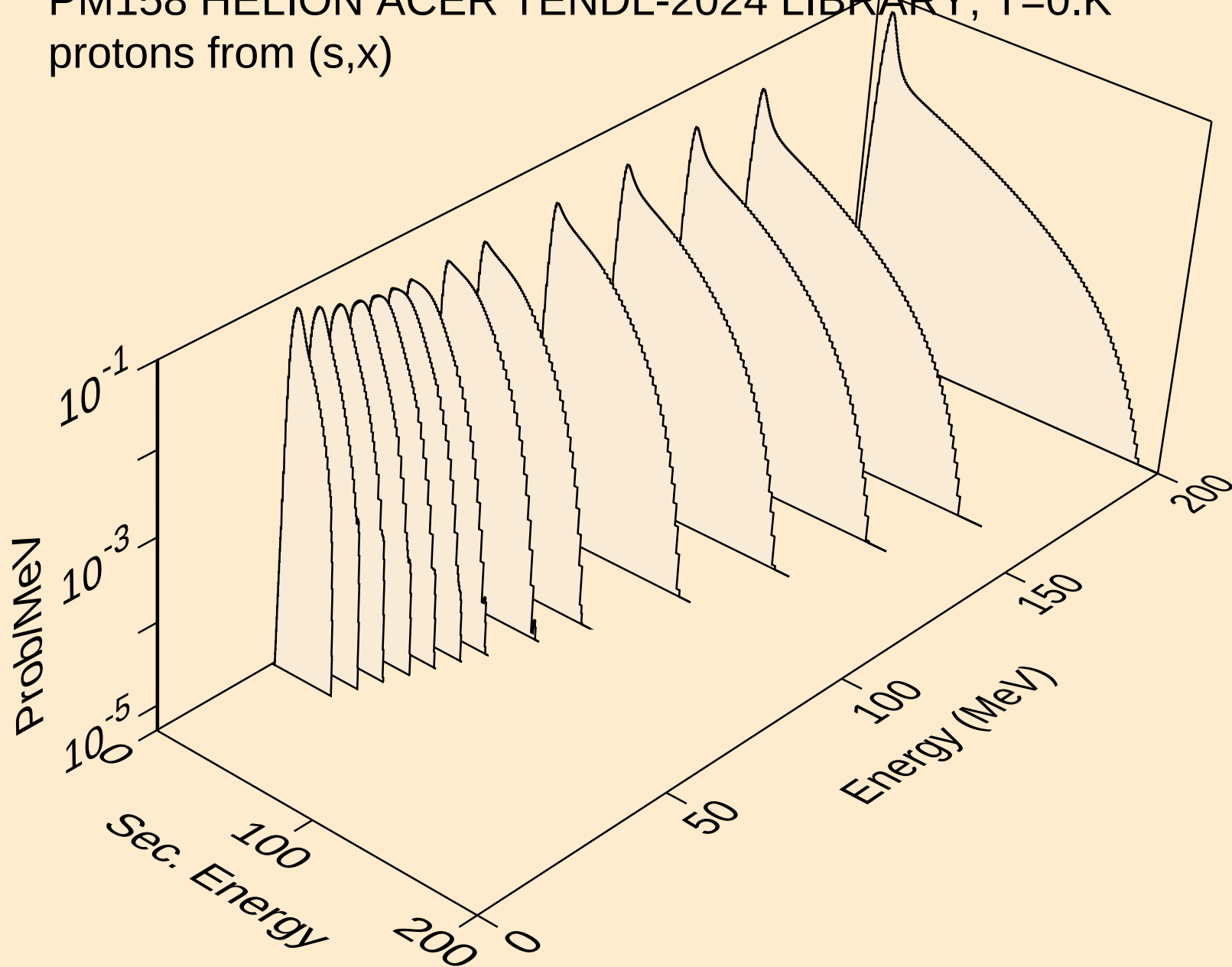
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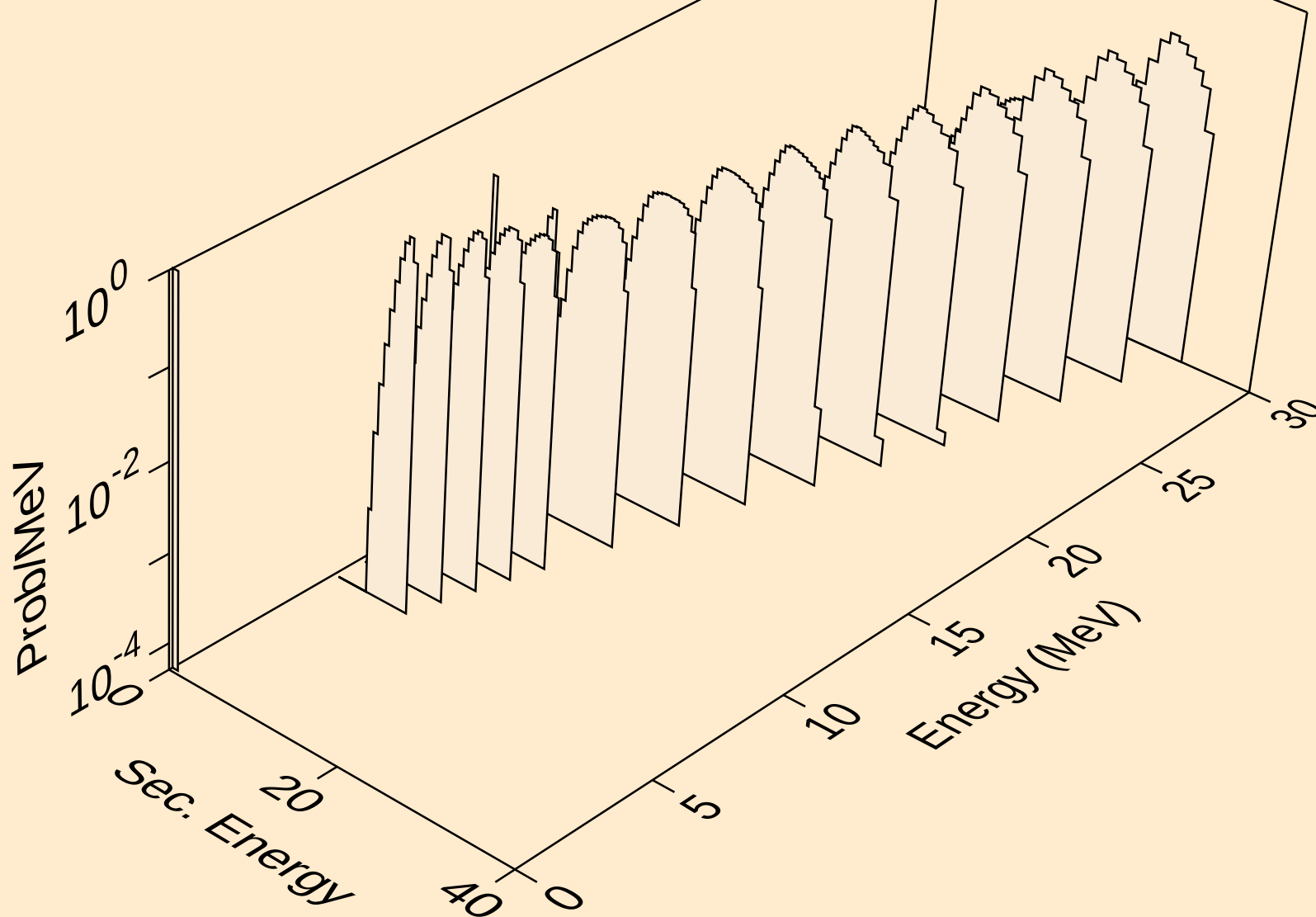
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neutrons from (s,npa)



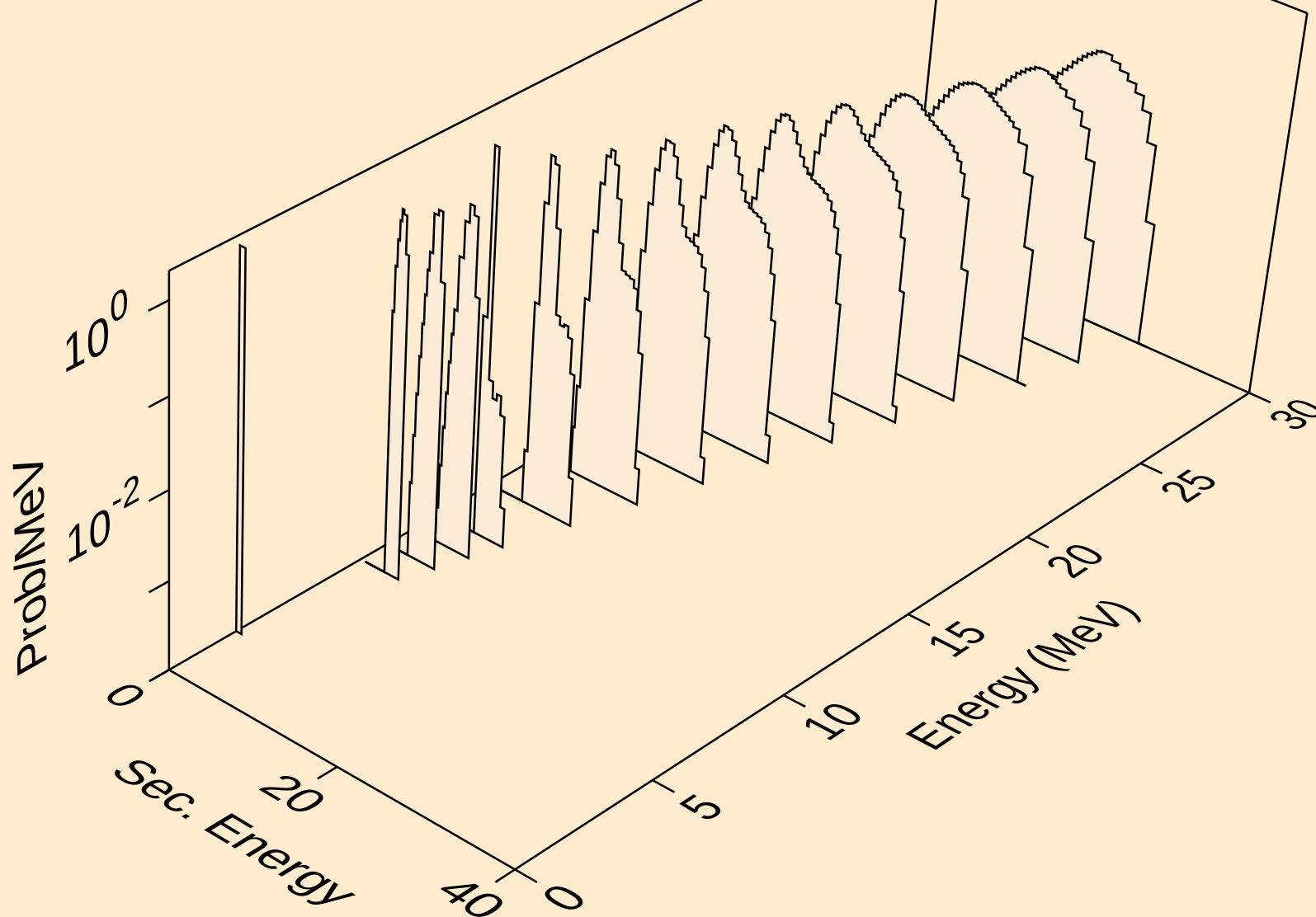
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protons from (s,x)



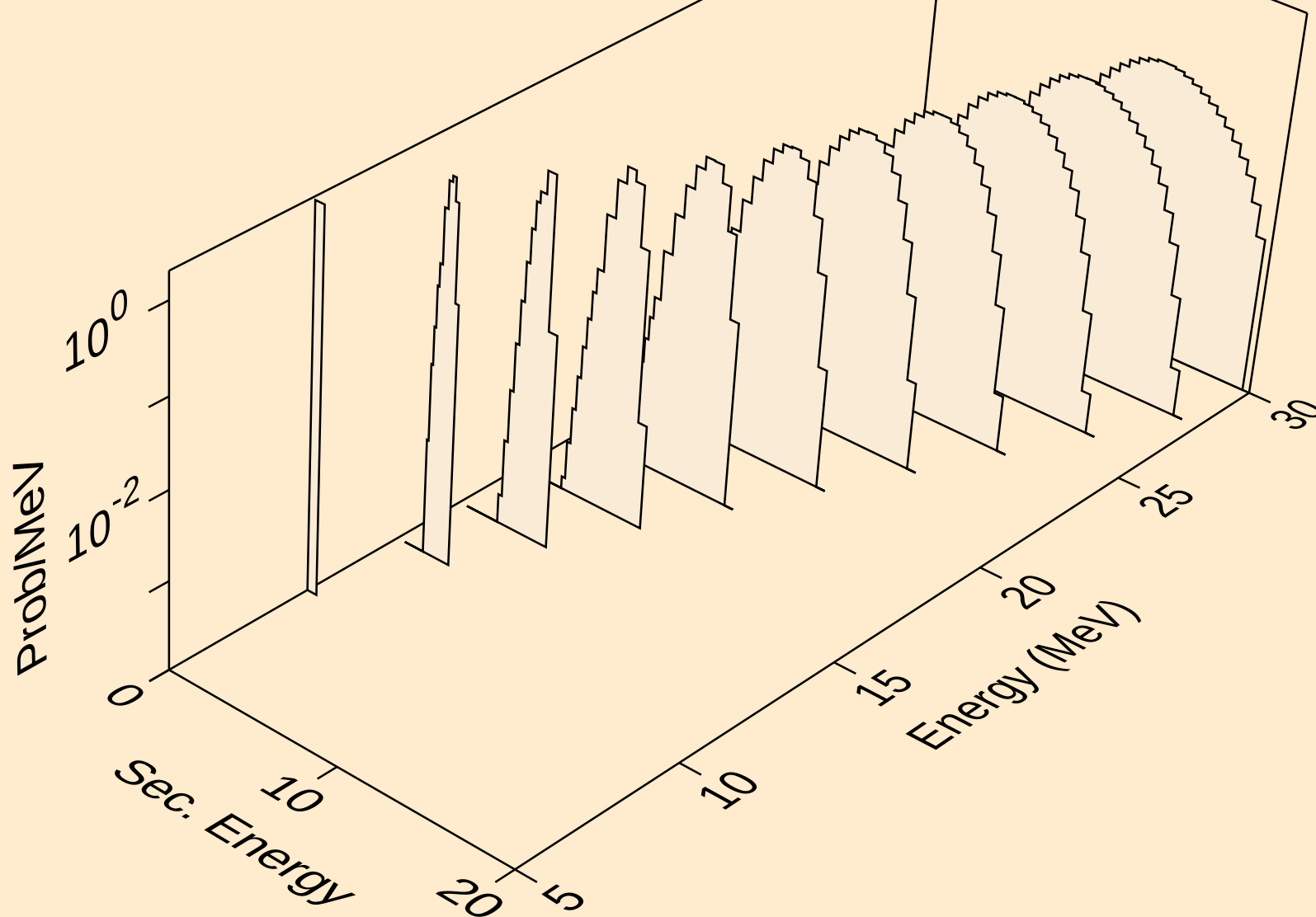
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protons from (s,n\*)p



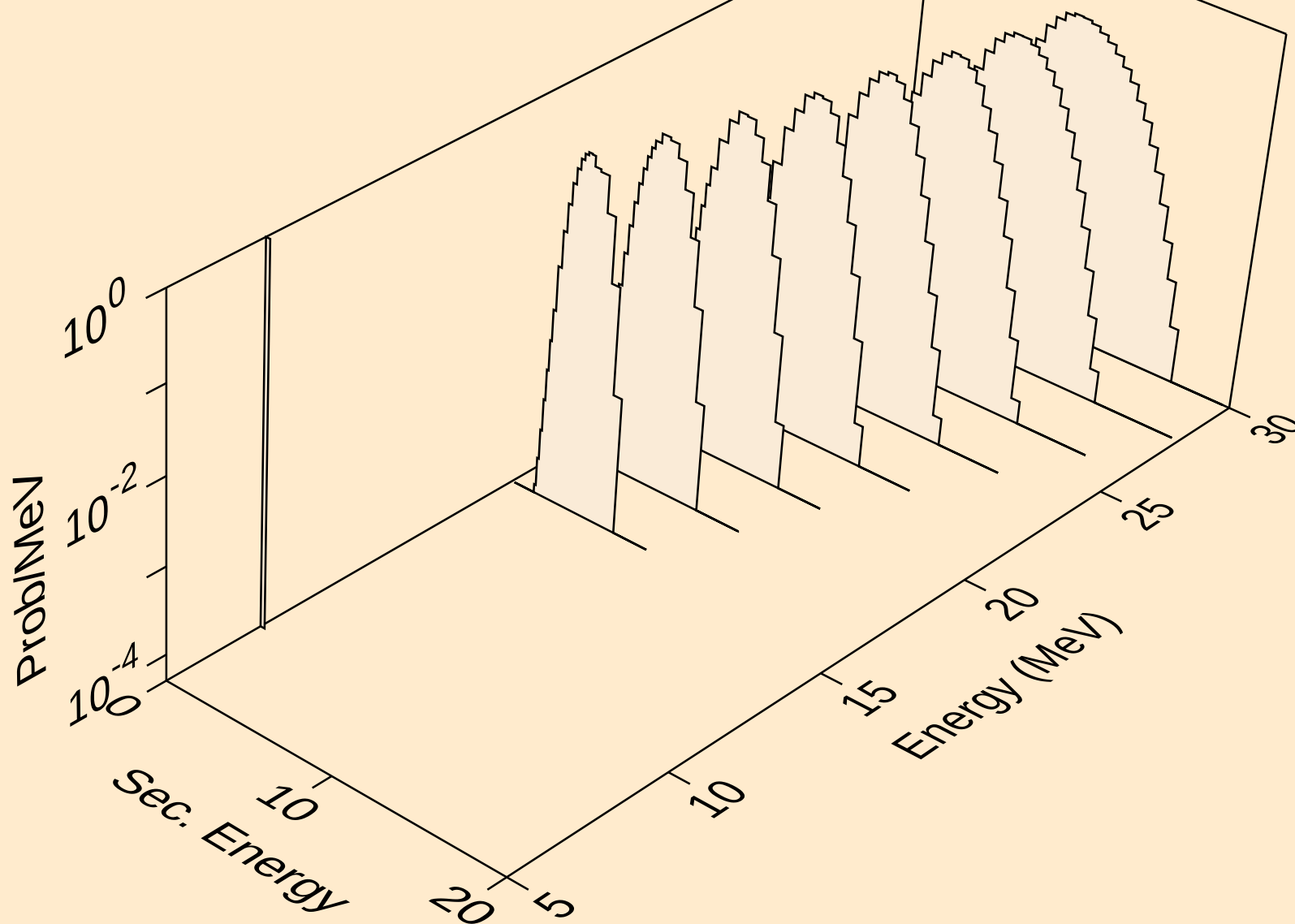
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protons from (s,2np)



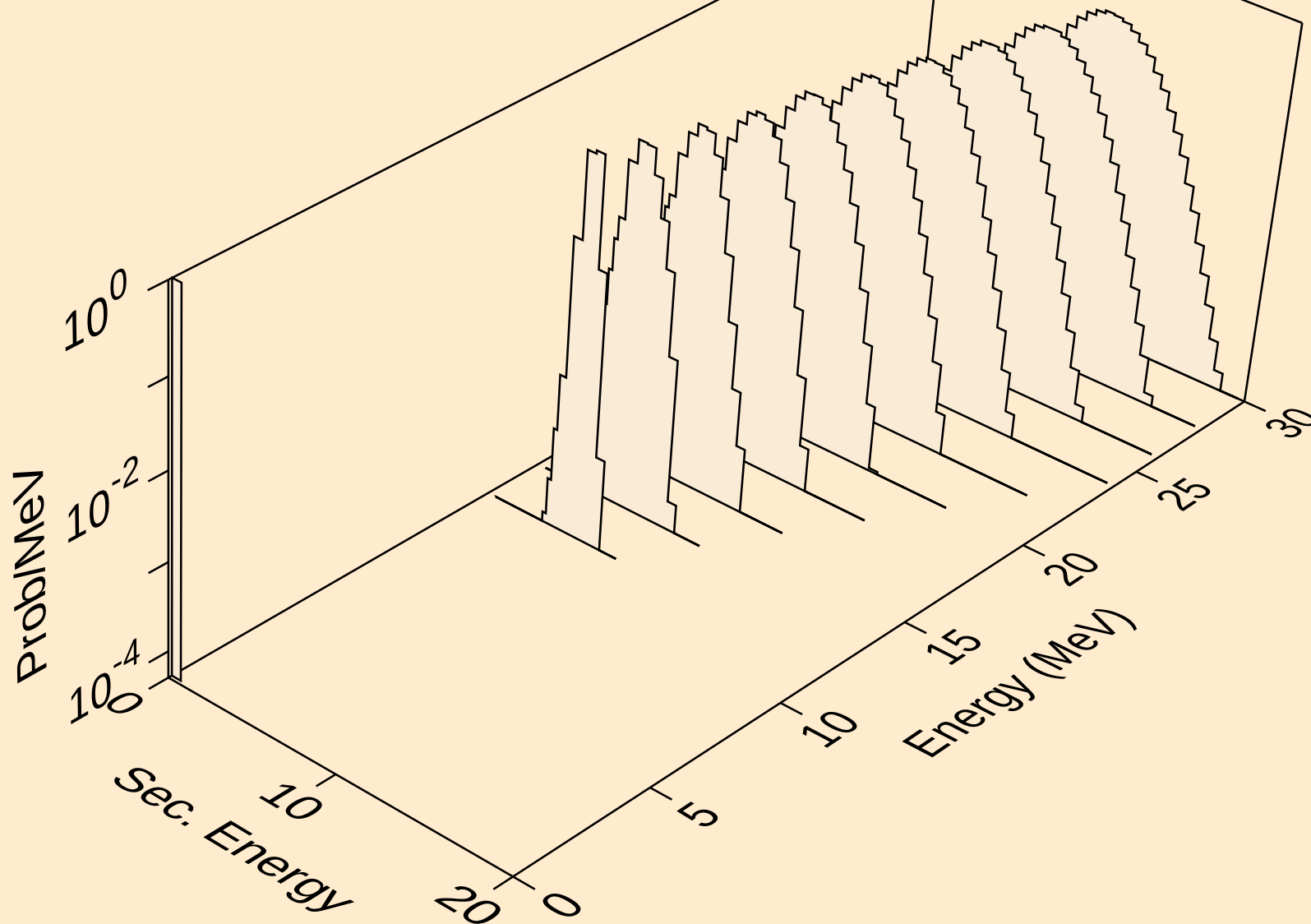
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protons from (s,3np)



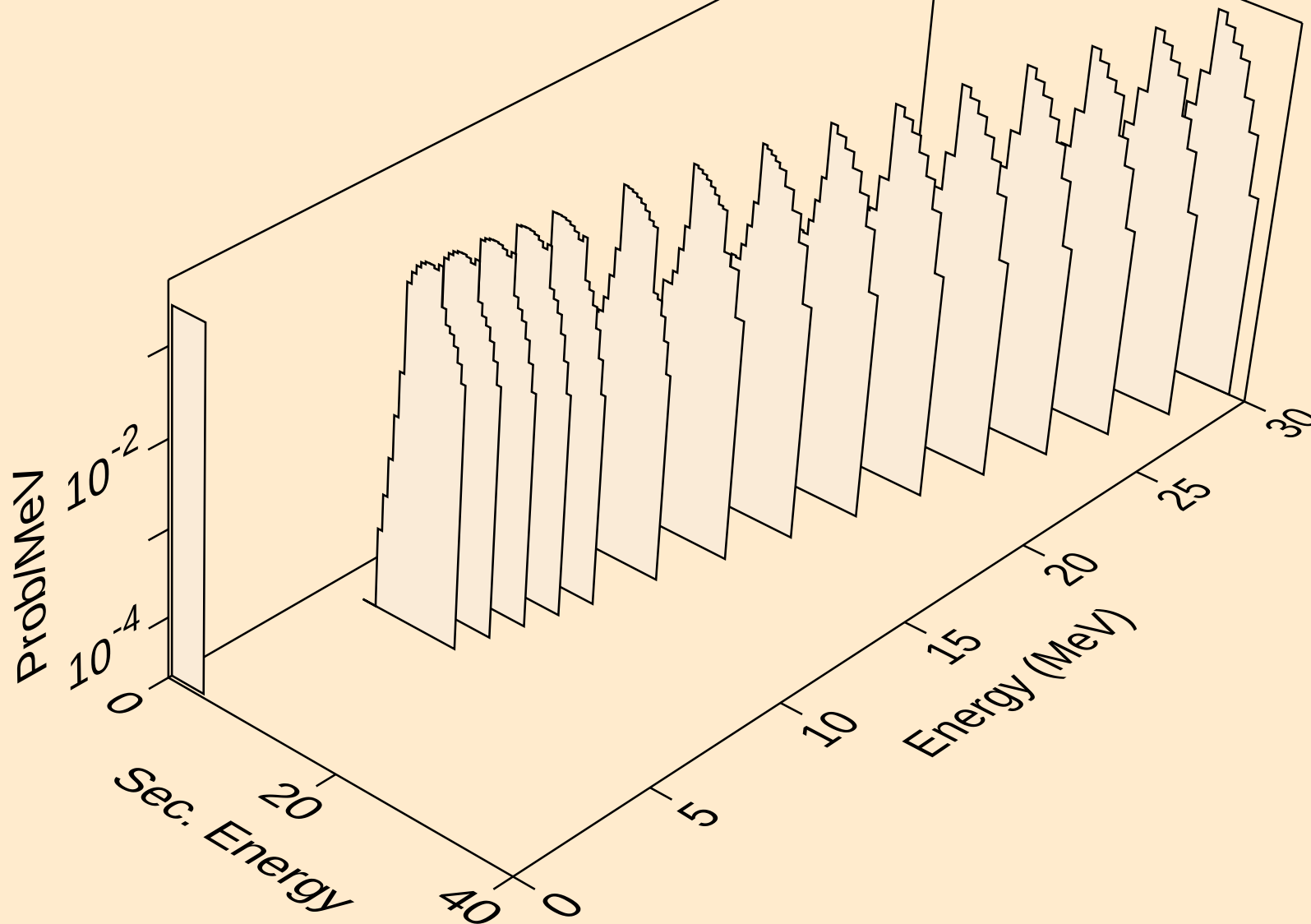
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protons from (s,n2p)



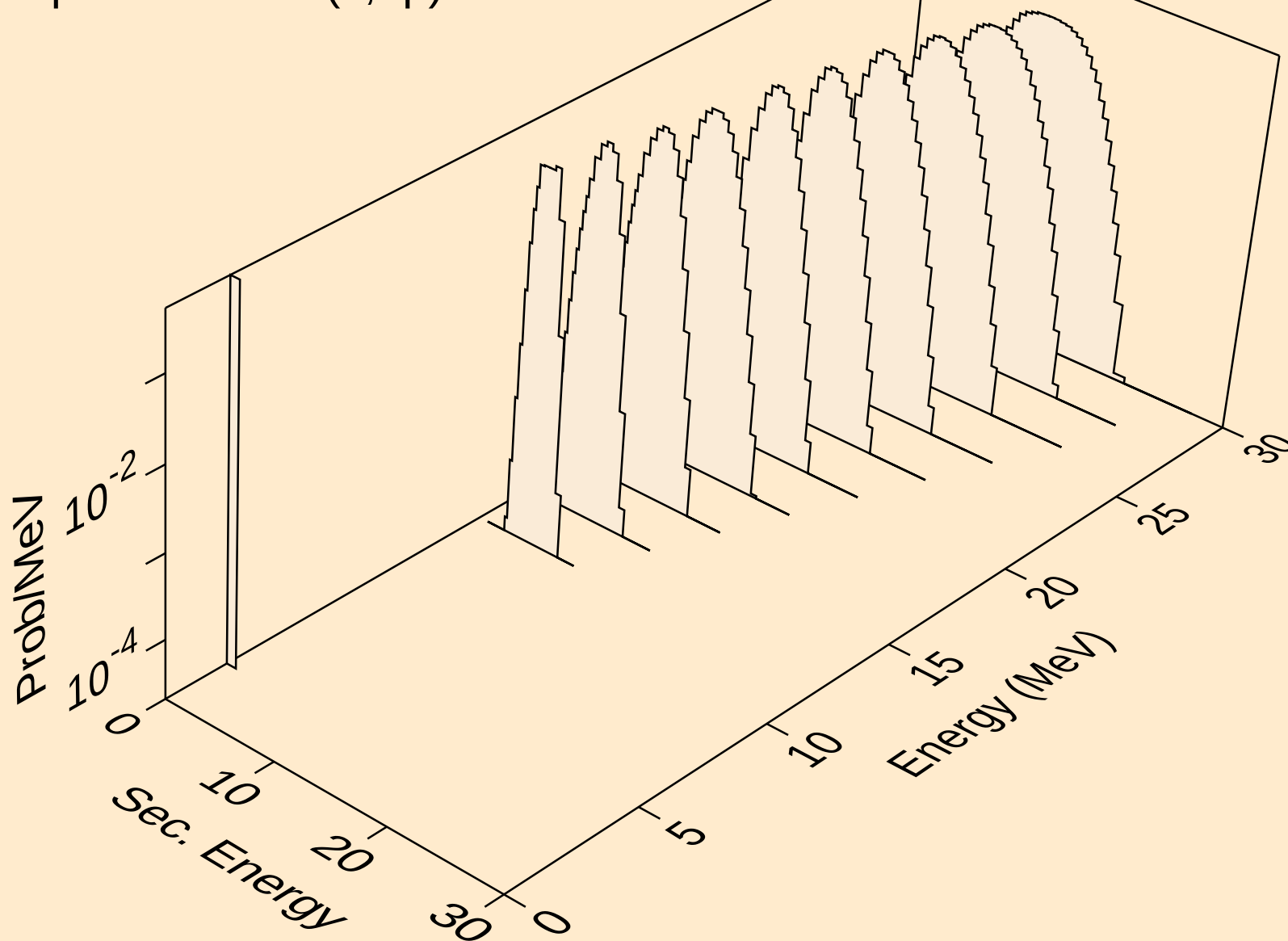
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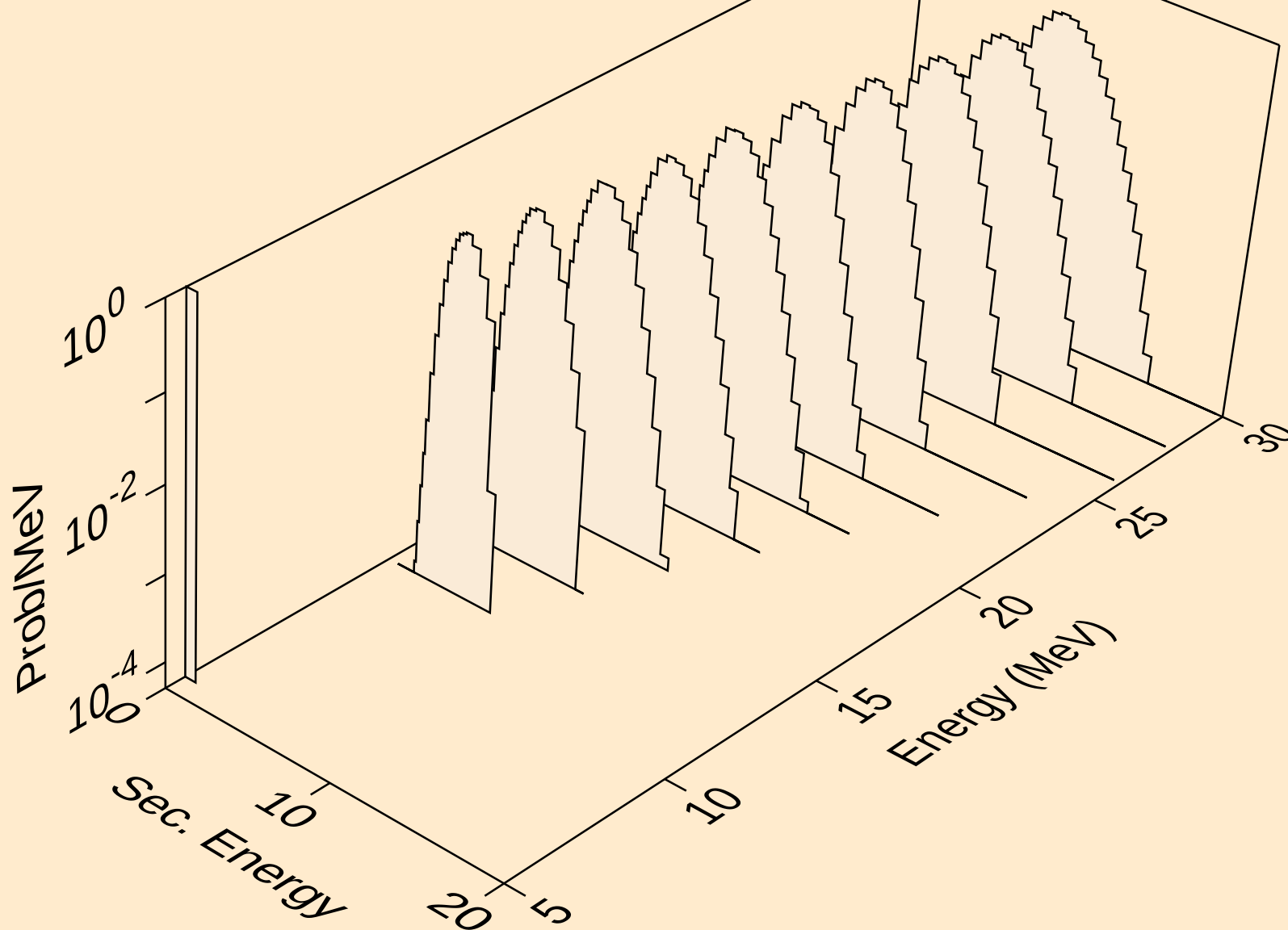
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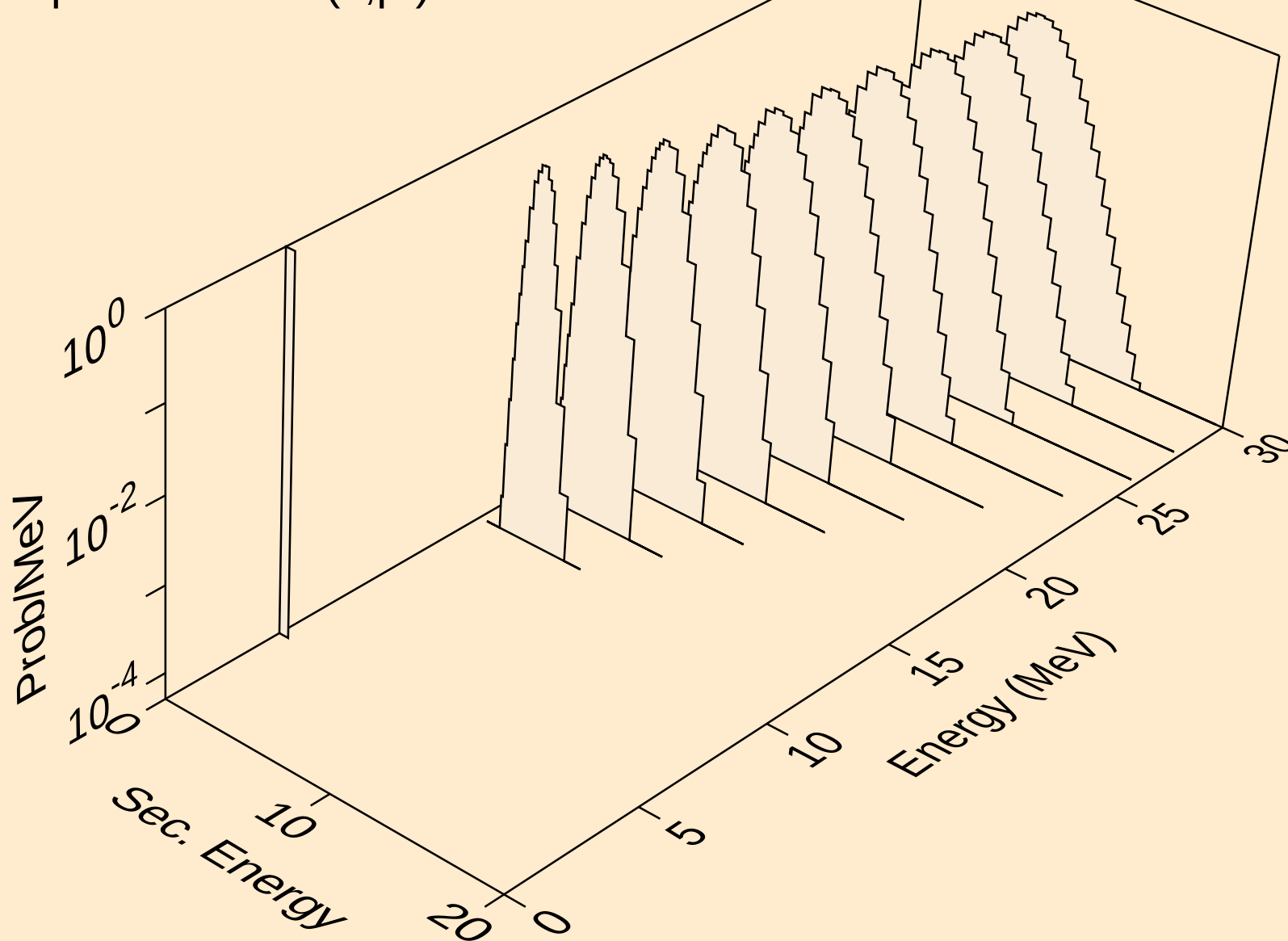
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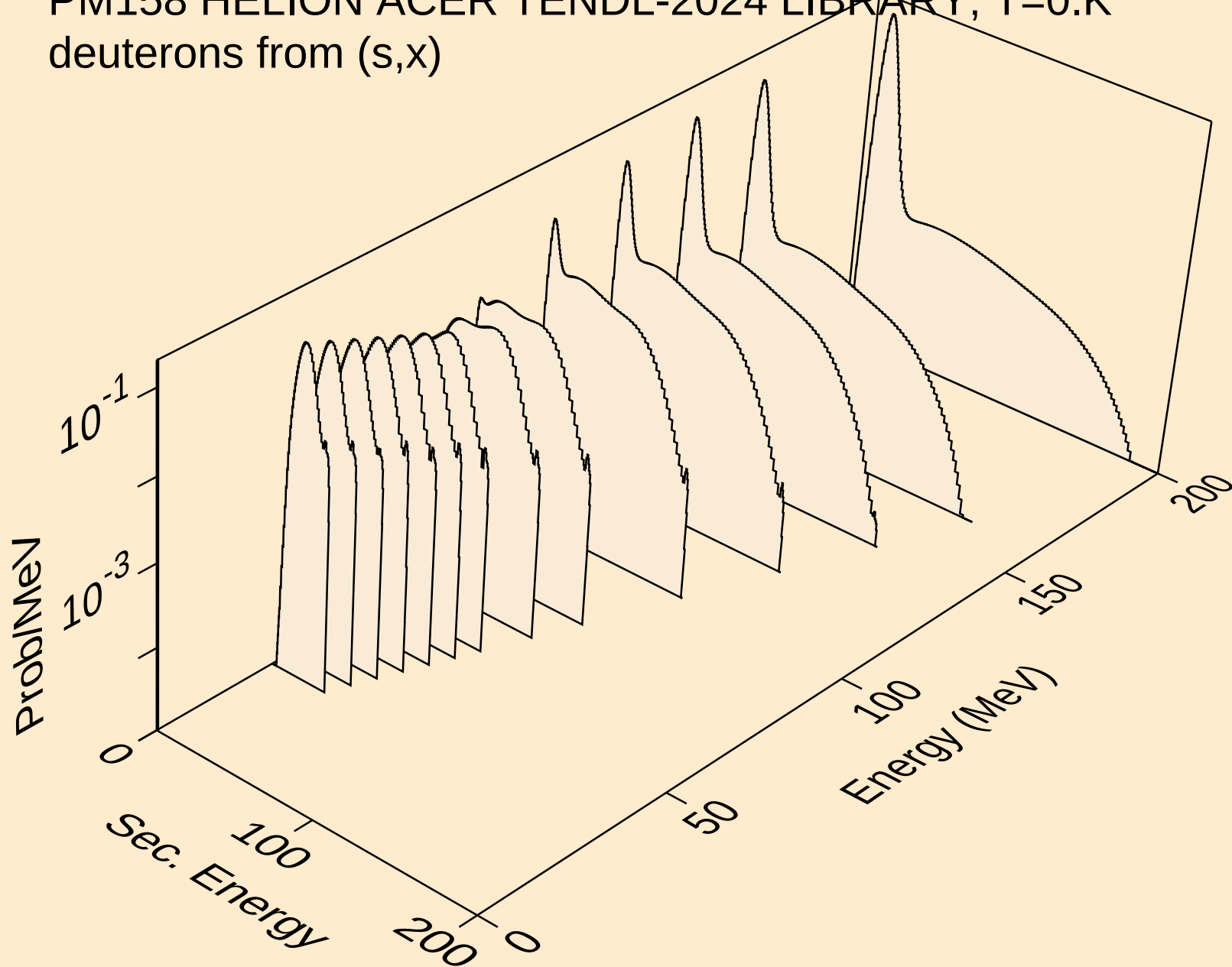
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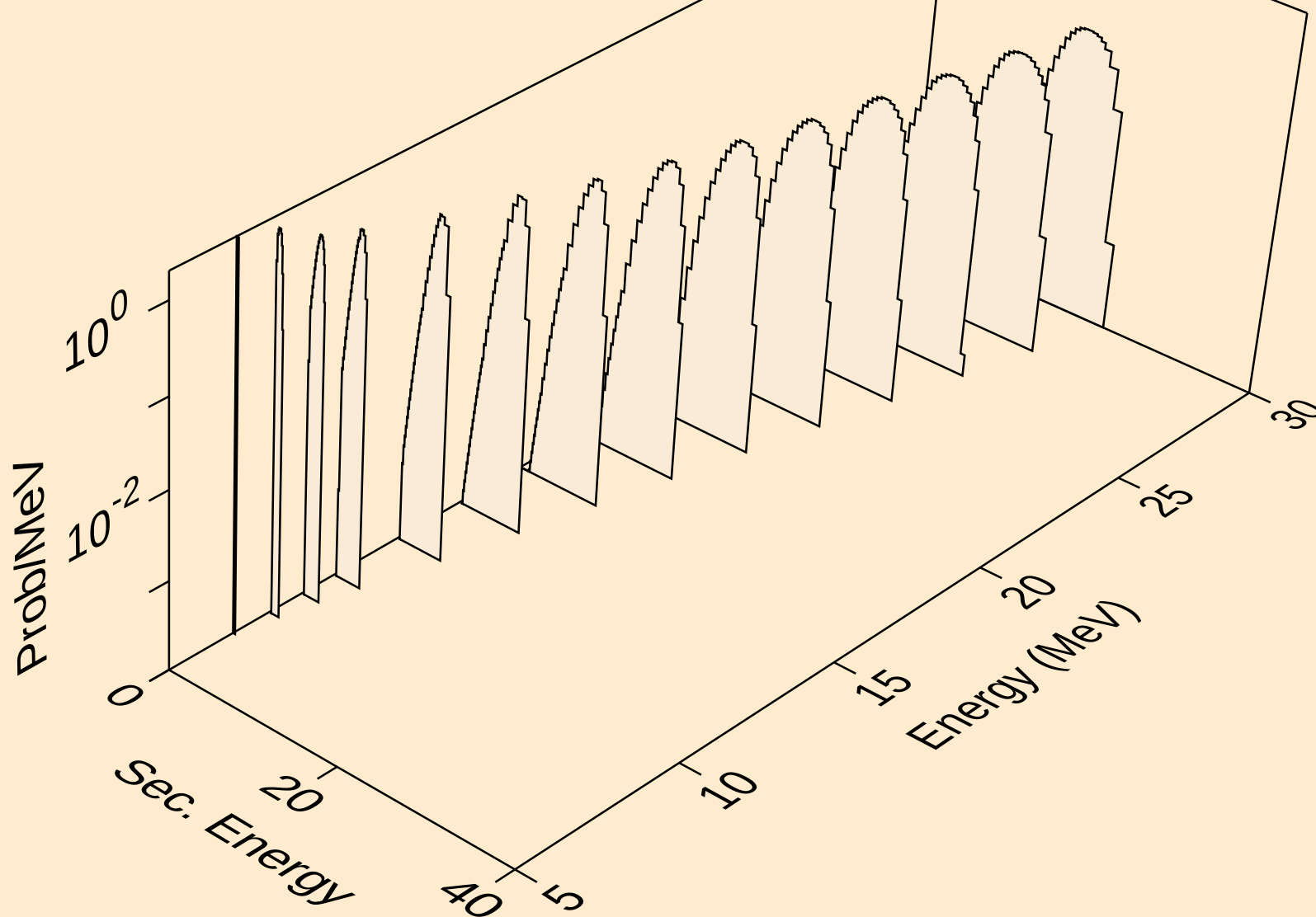
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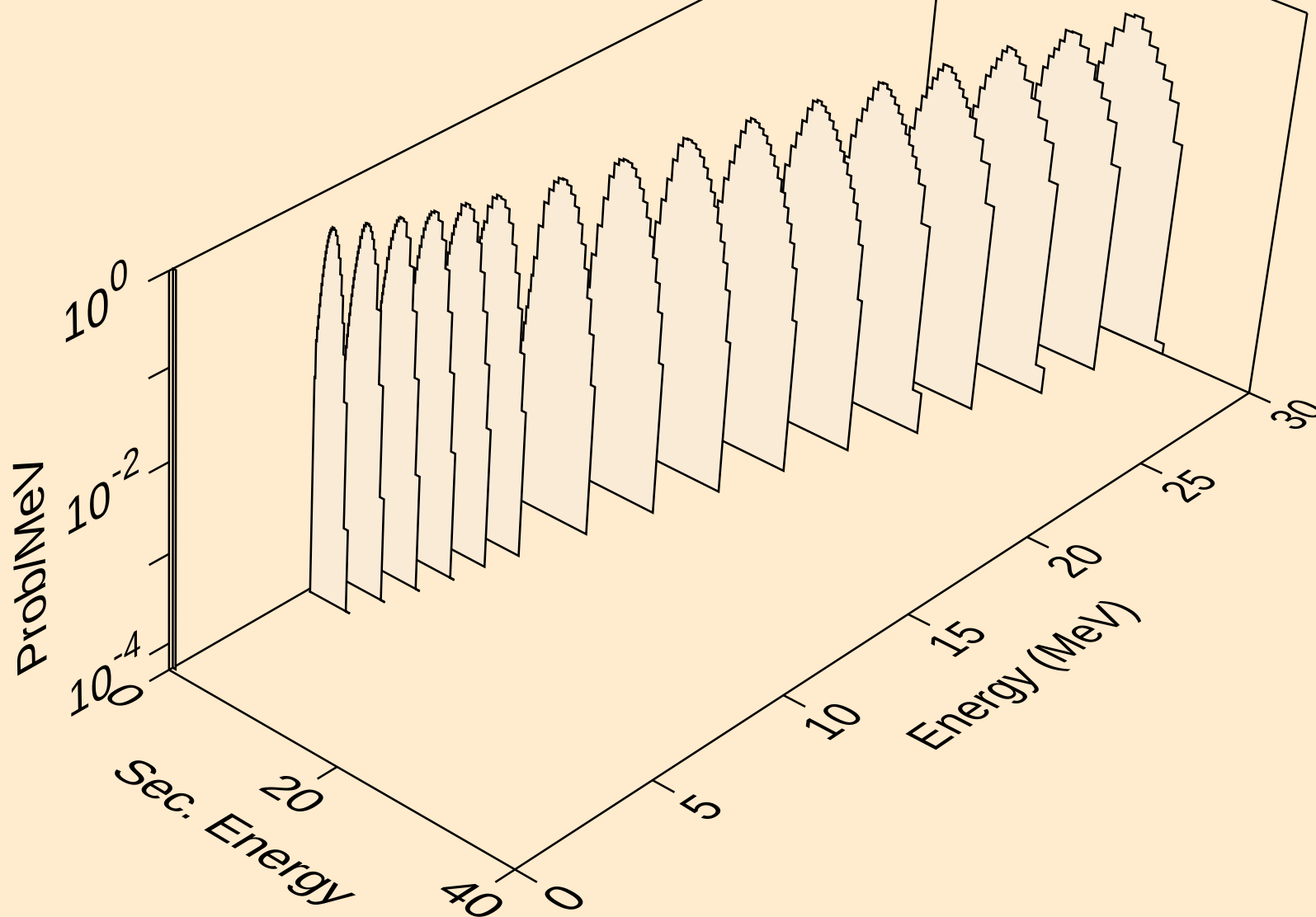
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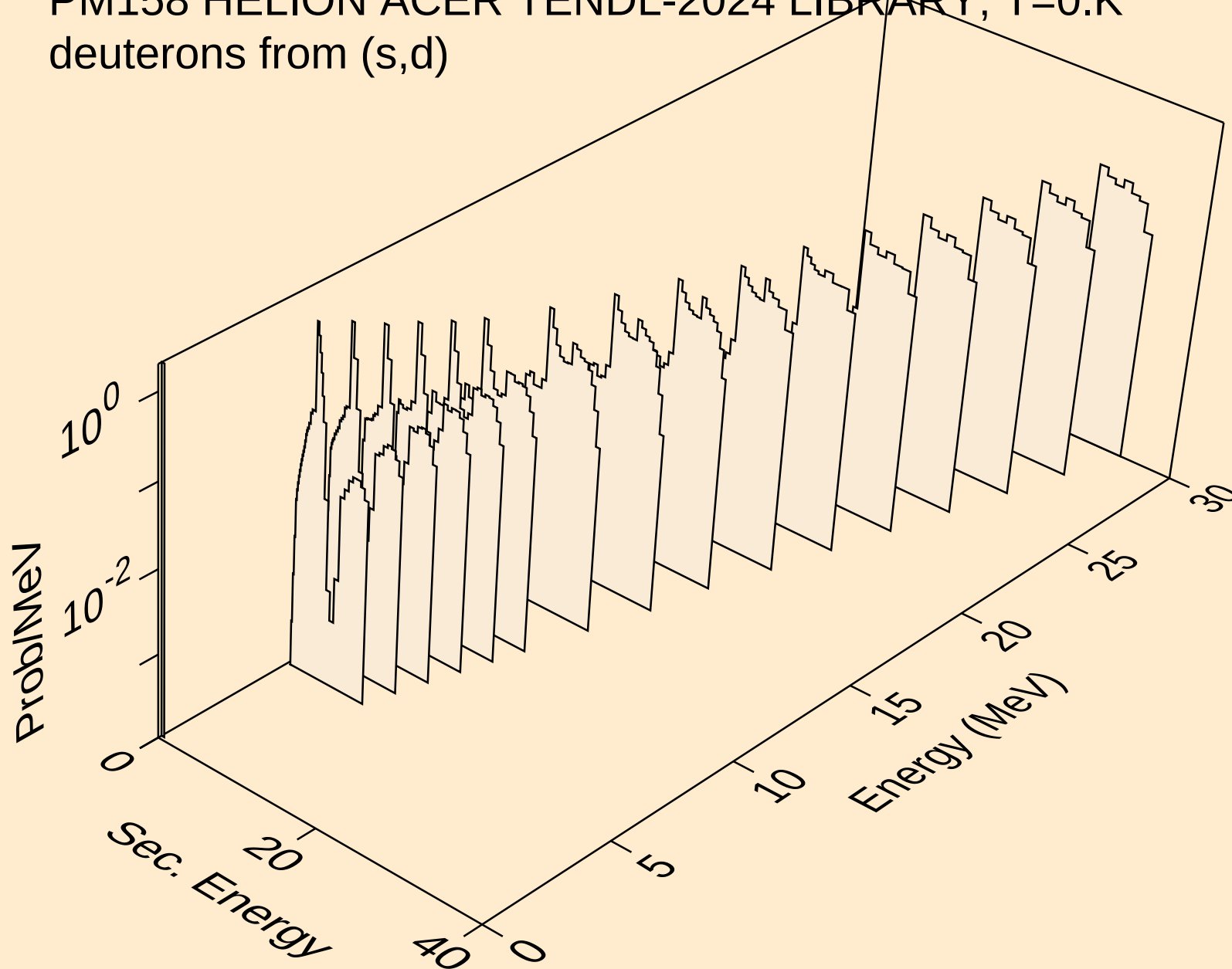
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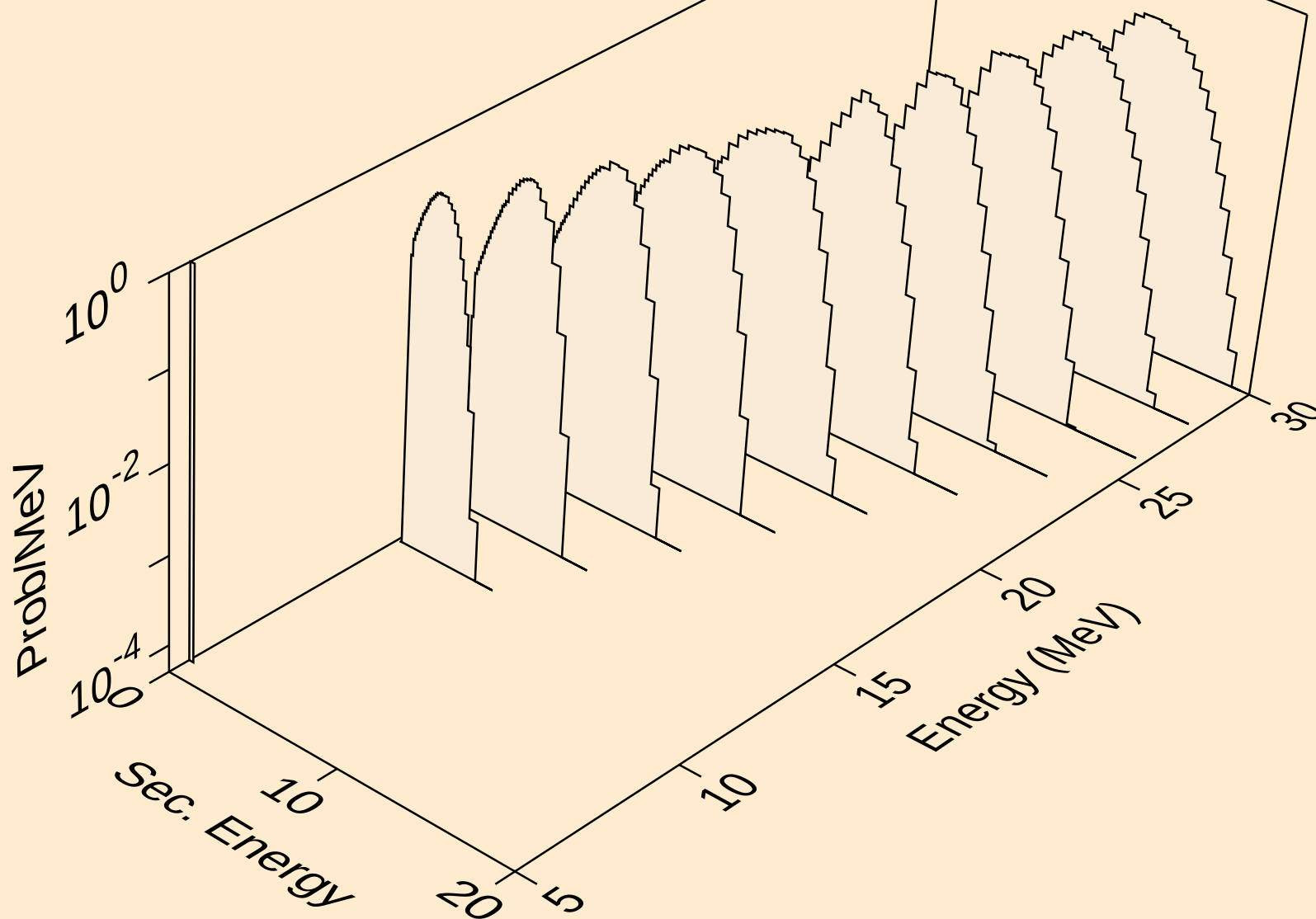
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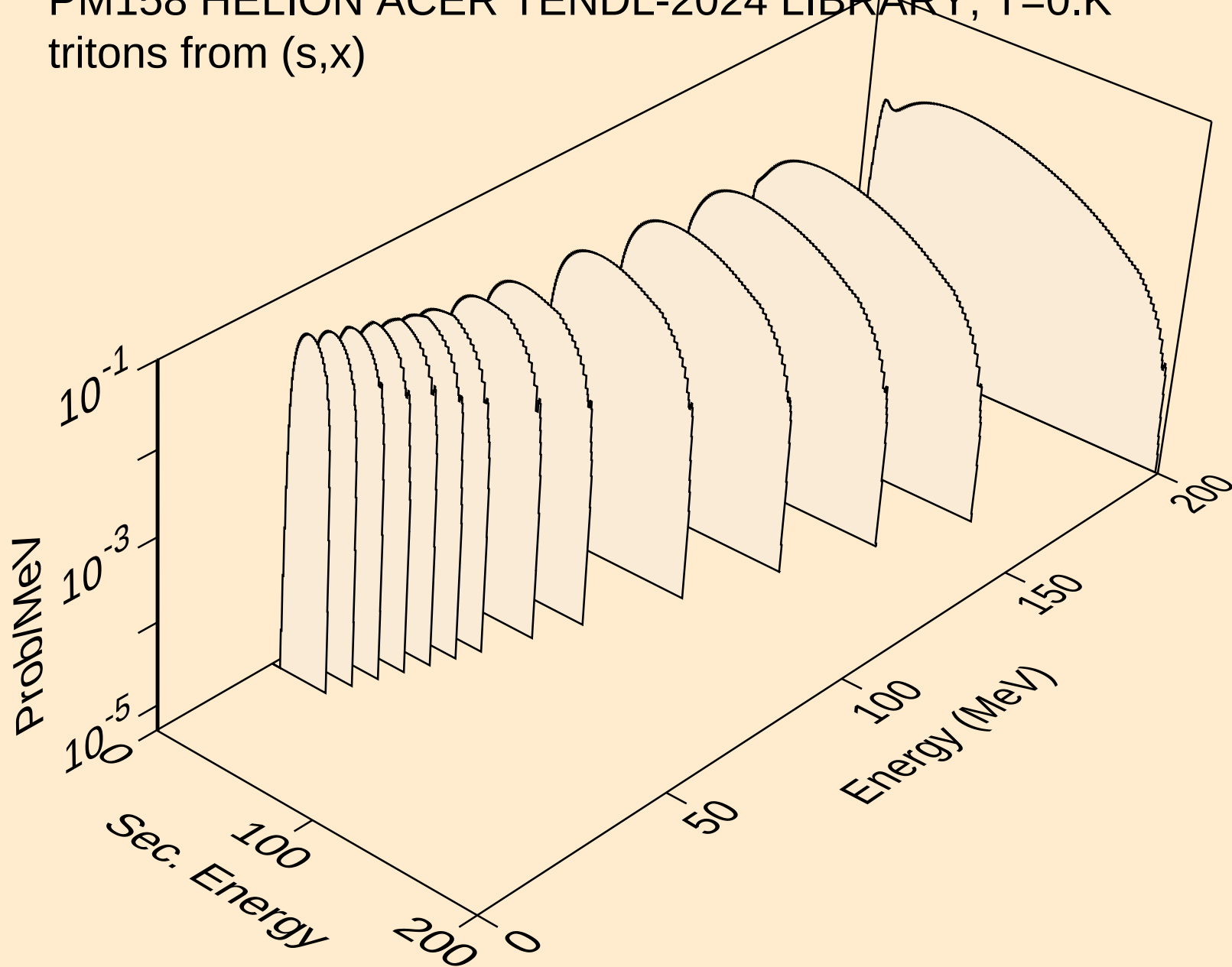
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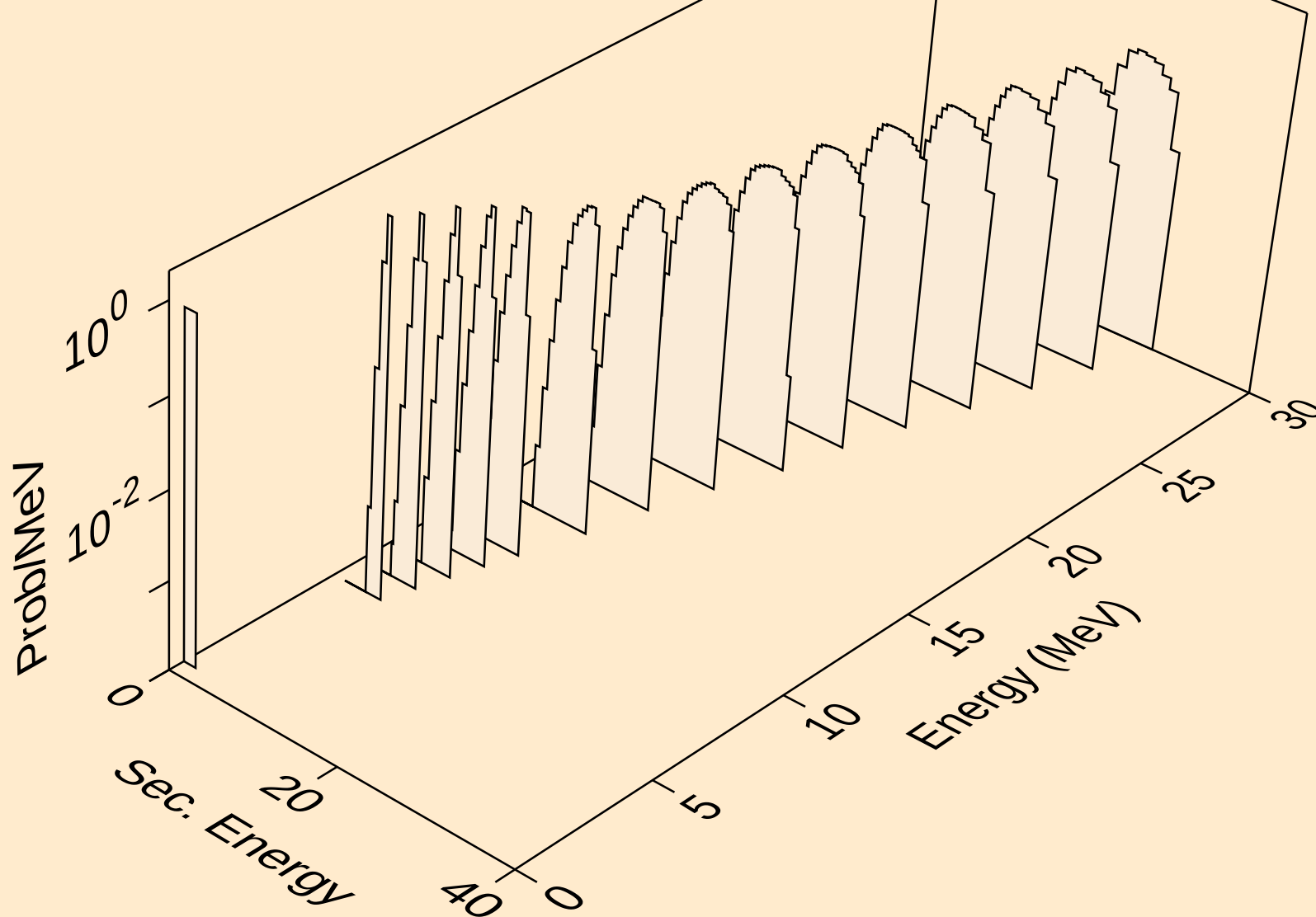
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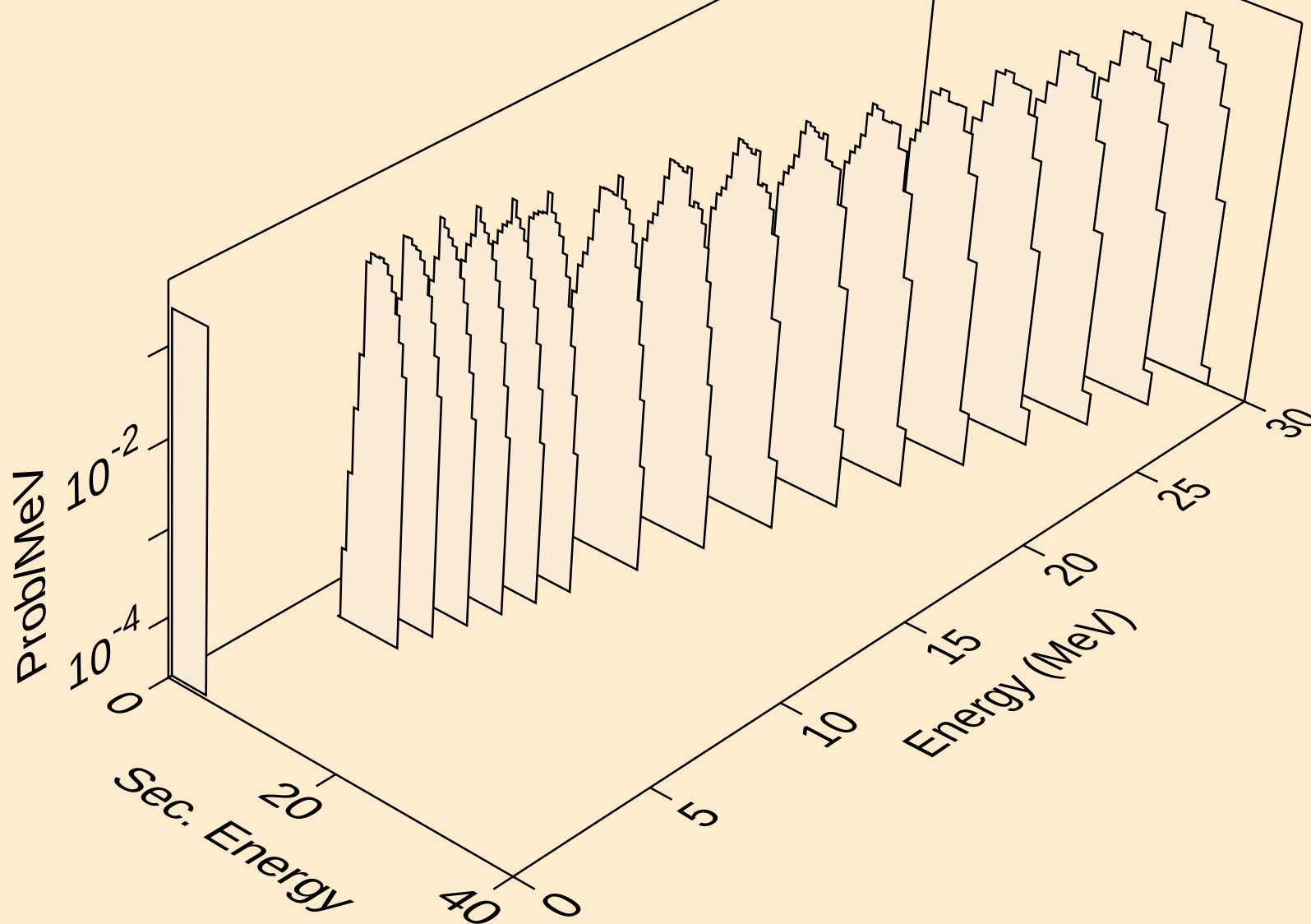
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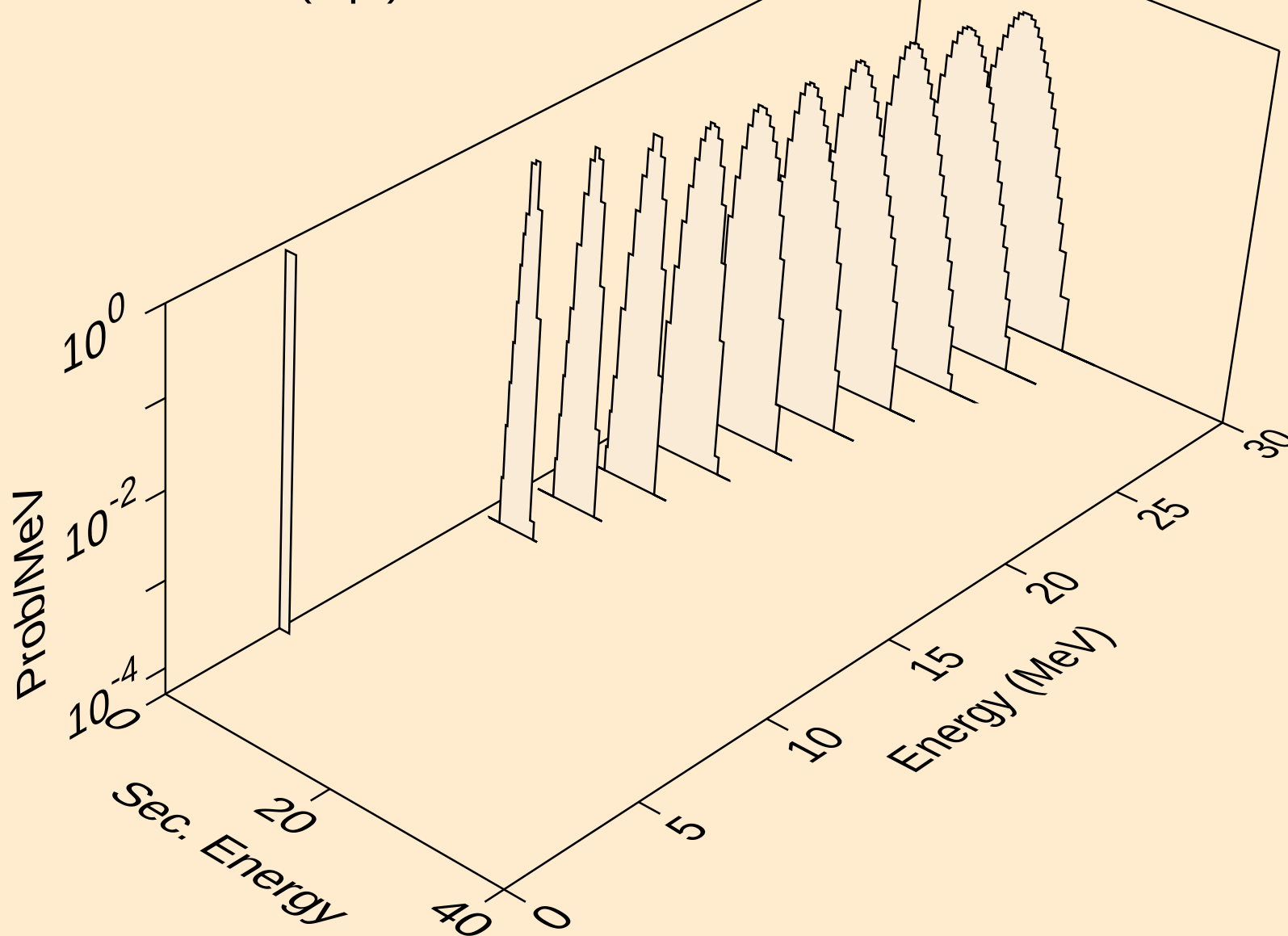
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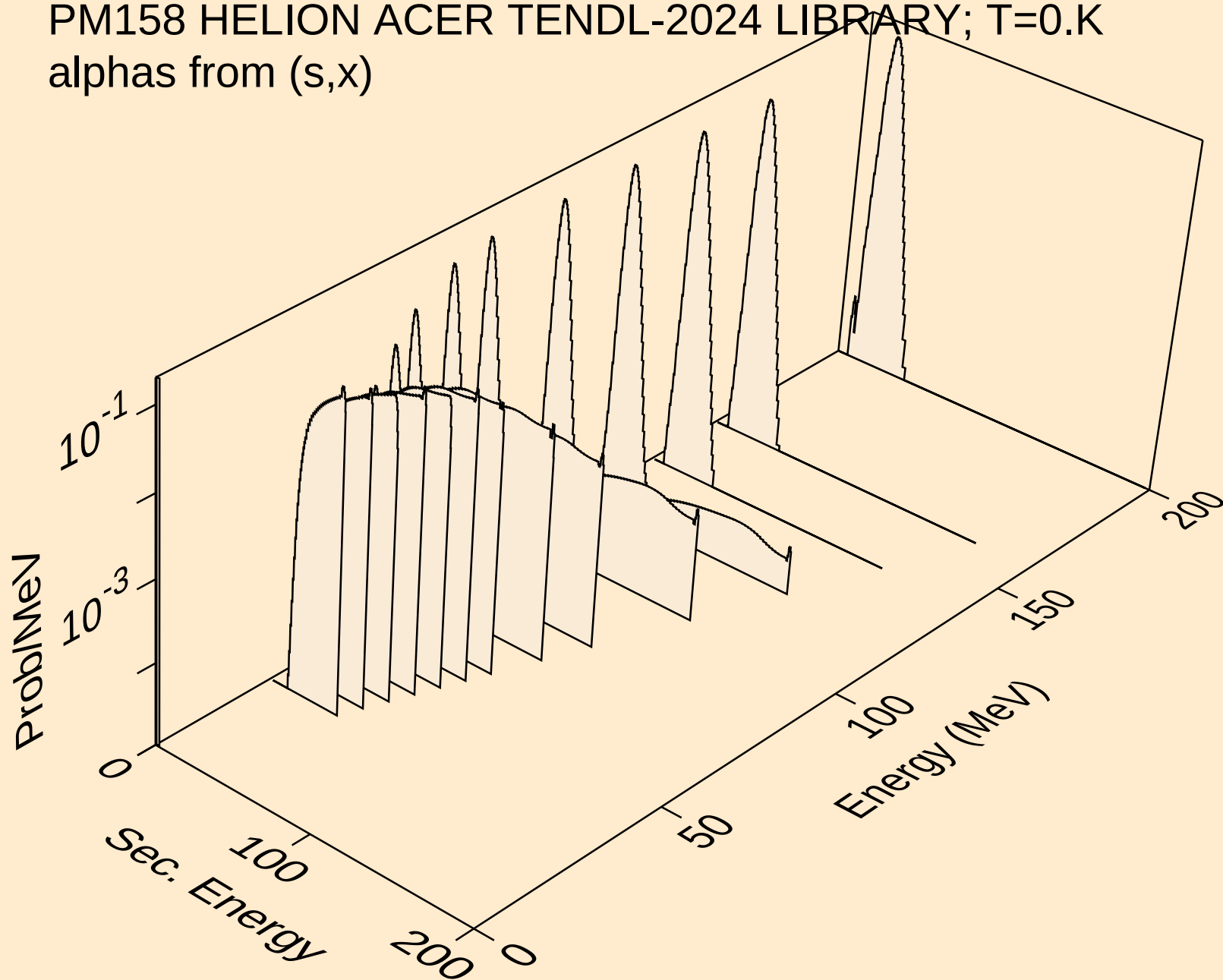
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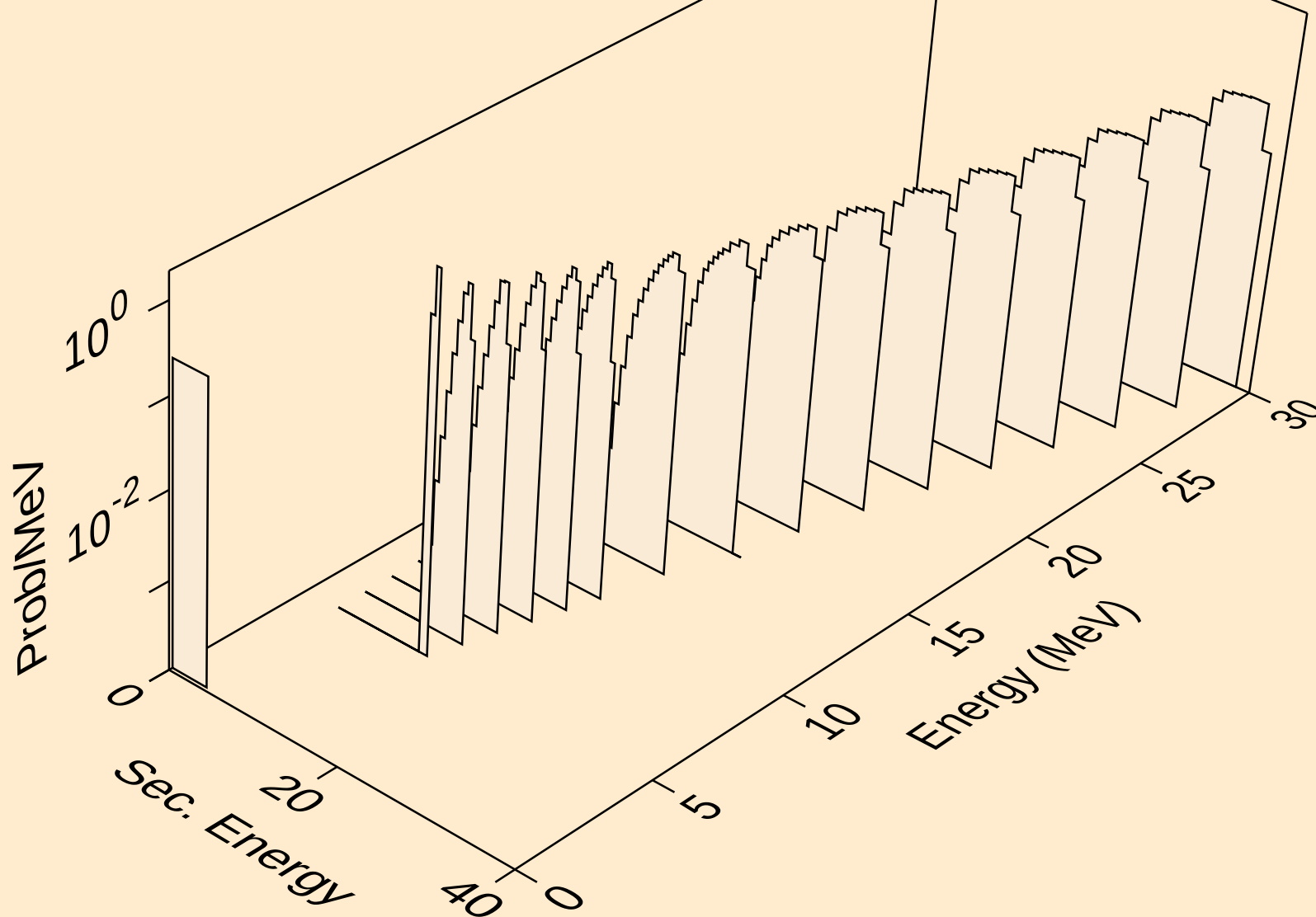
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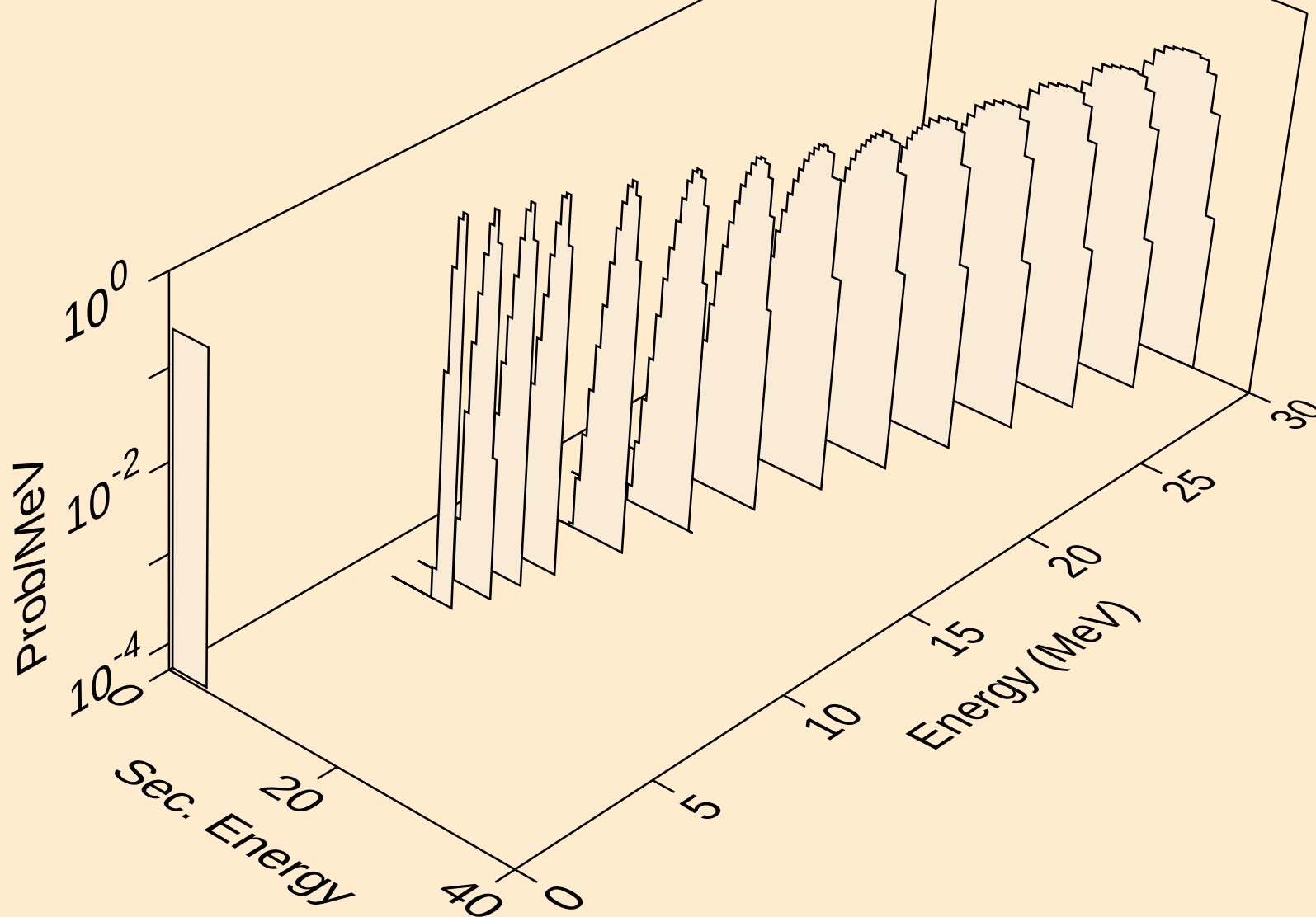
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alphas from (s,x)



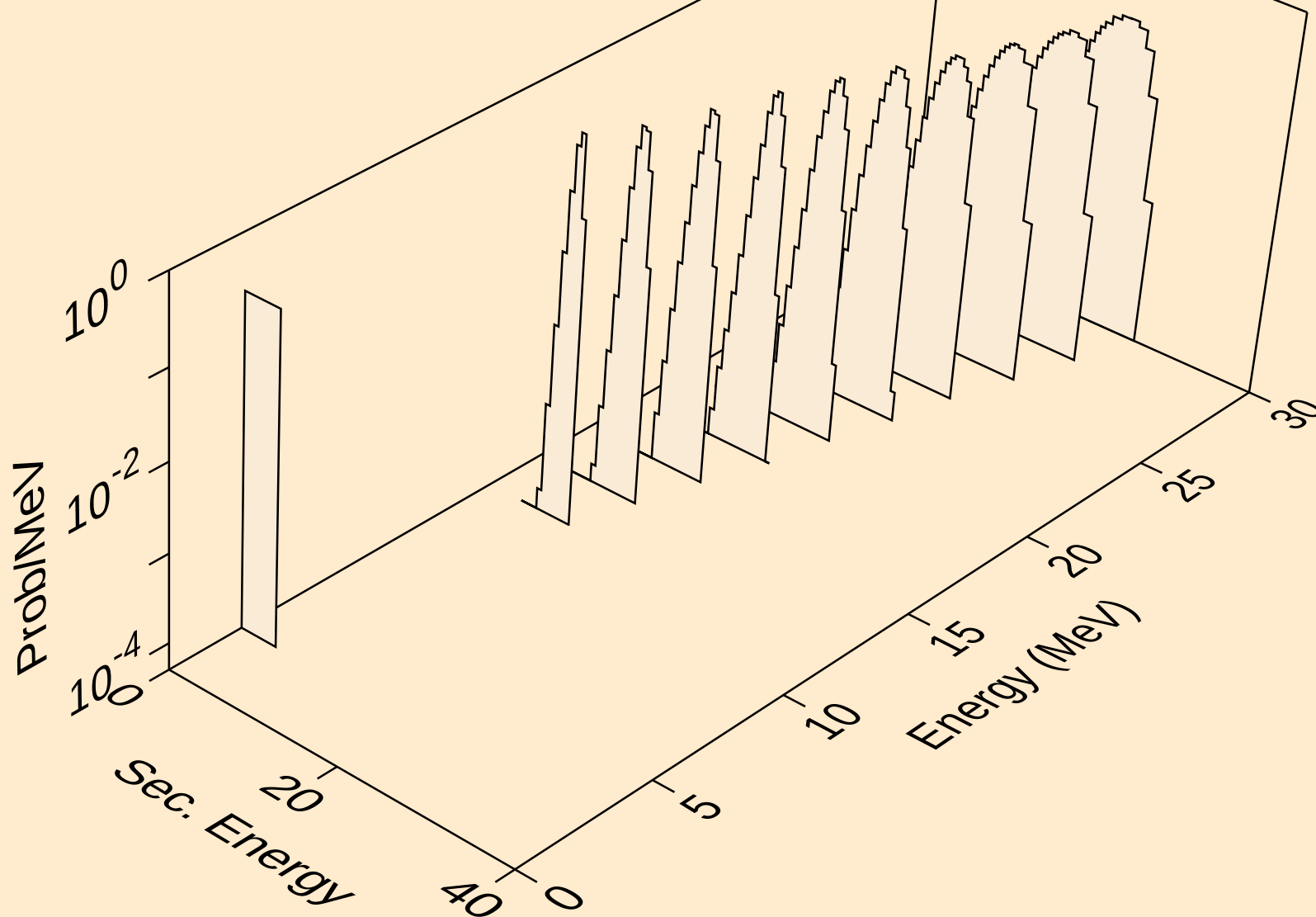
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alphas from (s,n\*)a



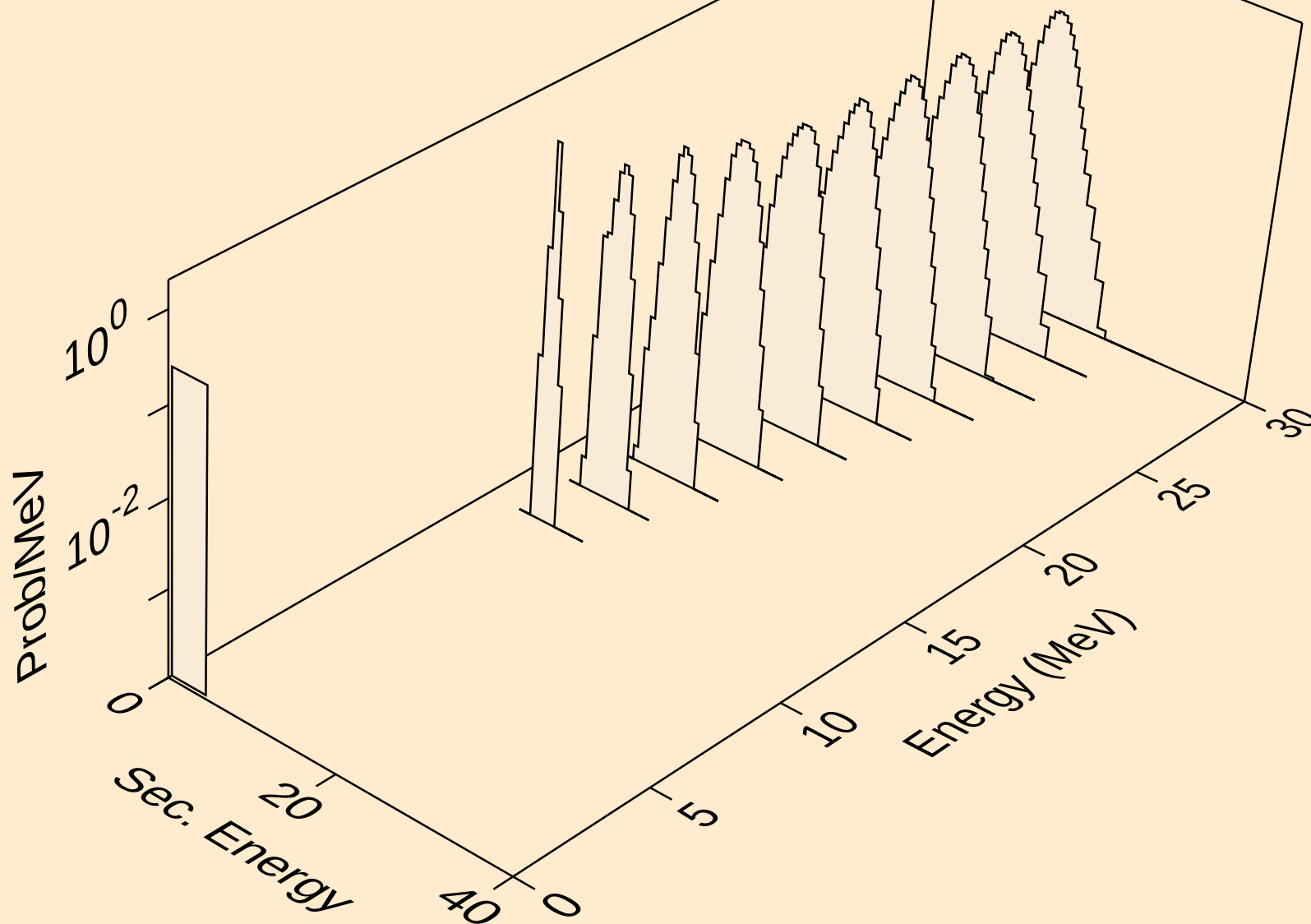
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alphas from (s,2n)a



PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,3n)a



PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,npa)



PM158 HELION ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (s,a)

