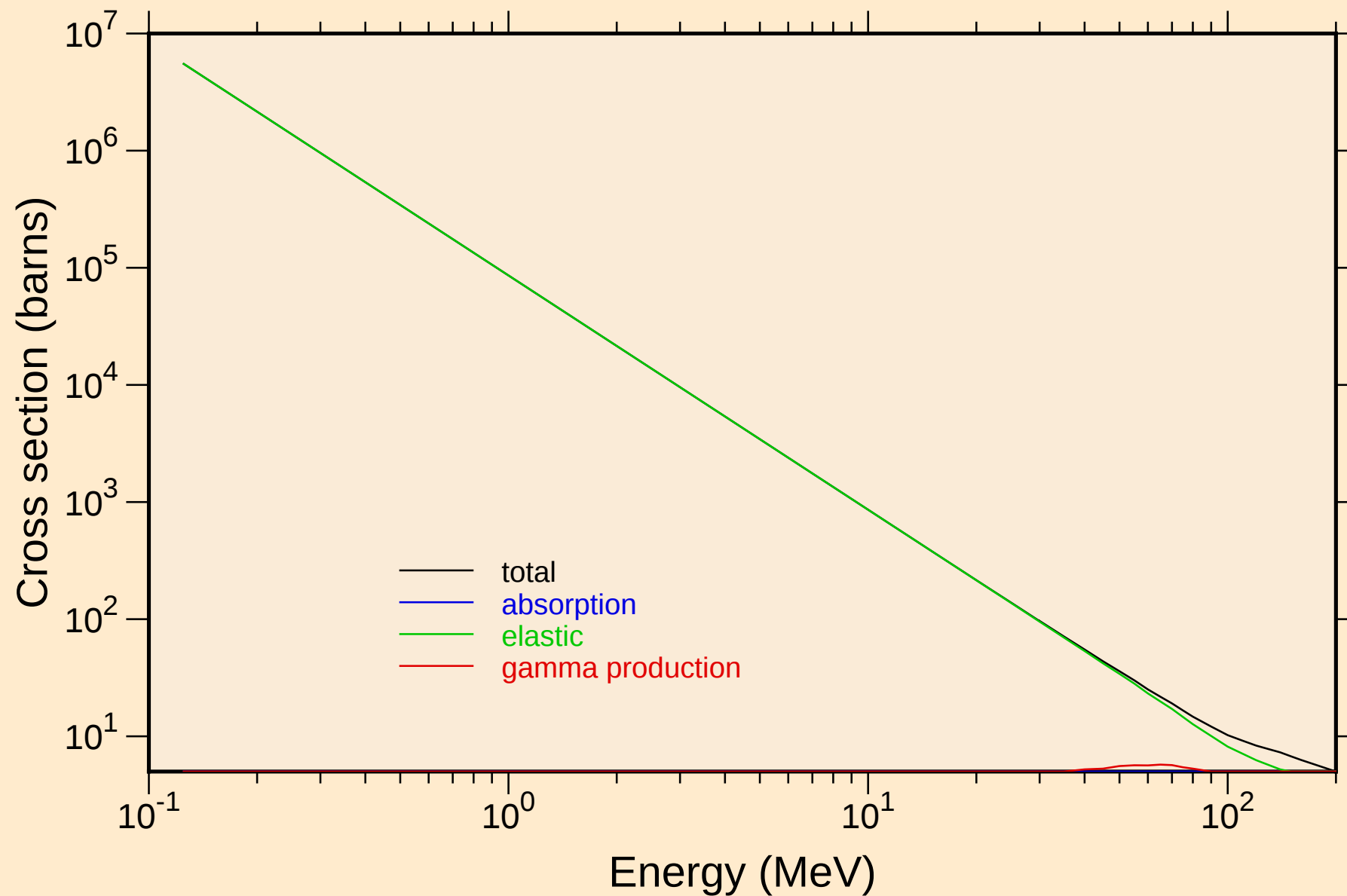


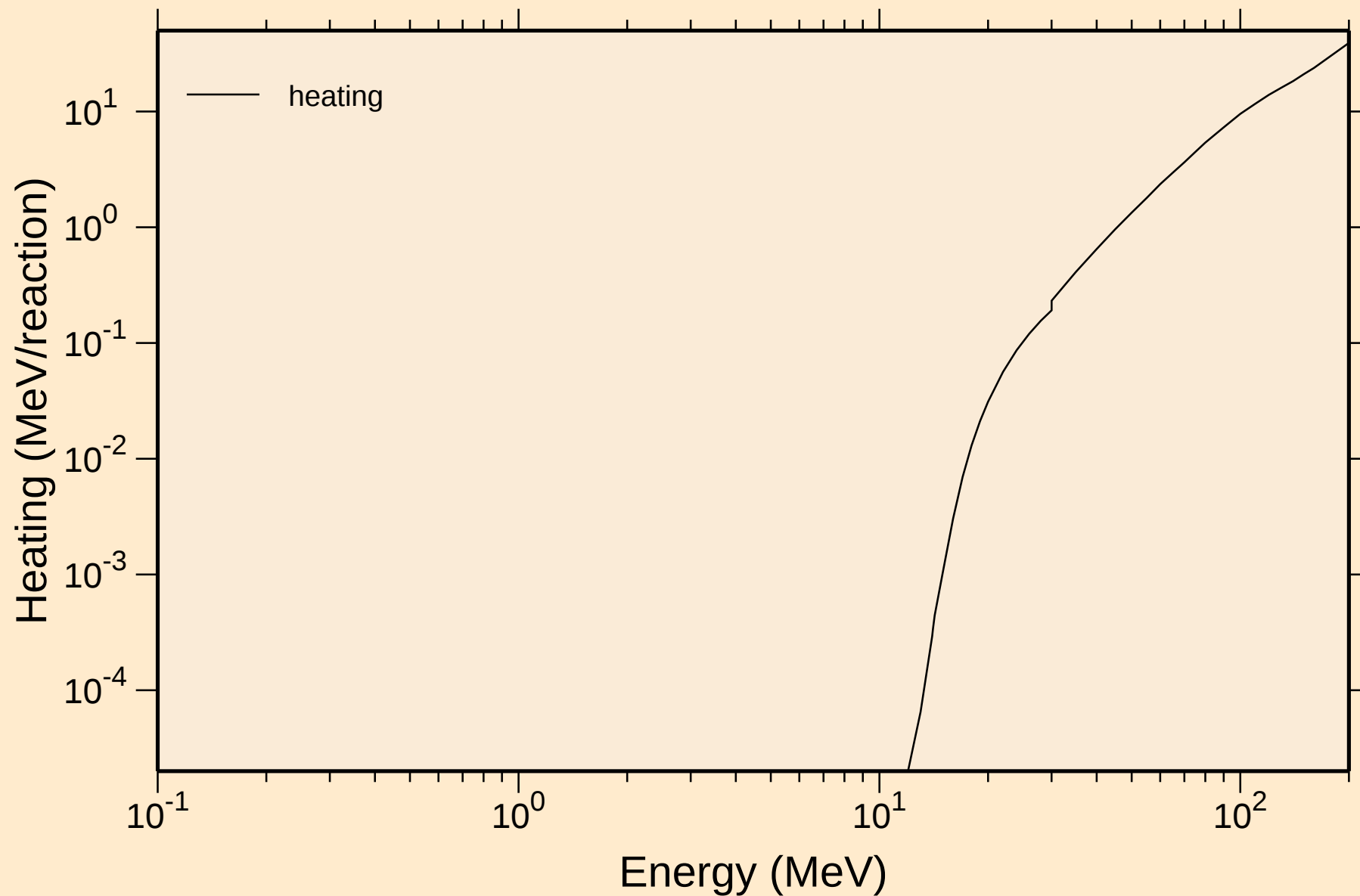
# CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



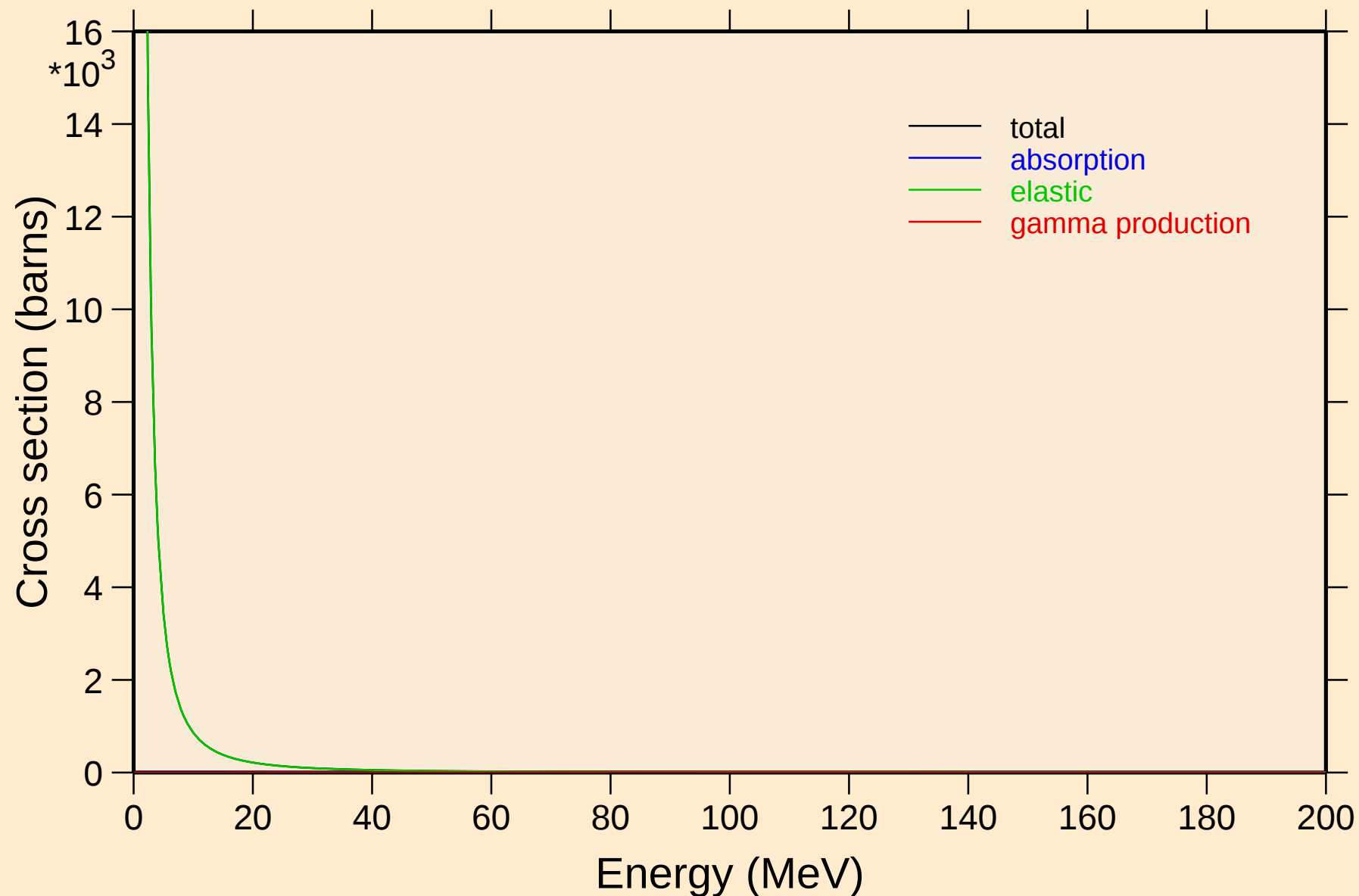
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K

Heating



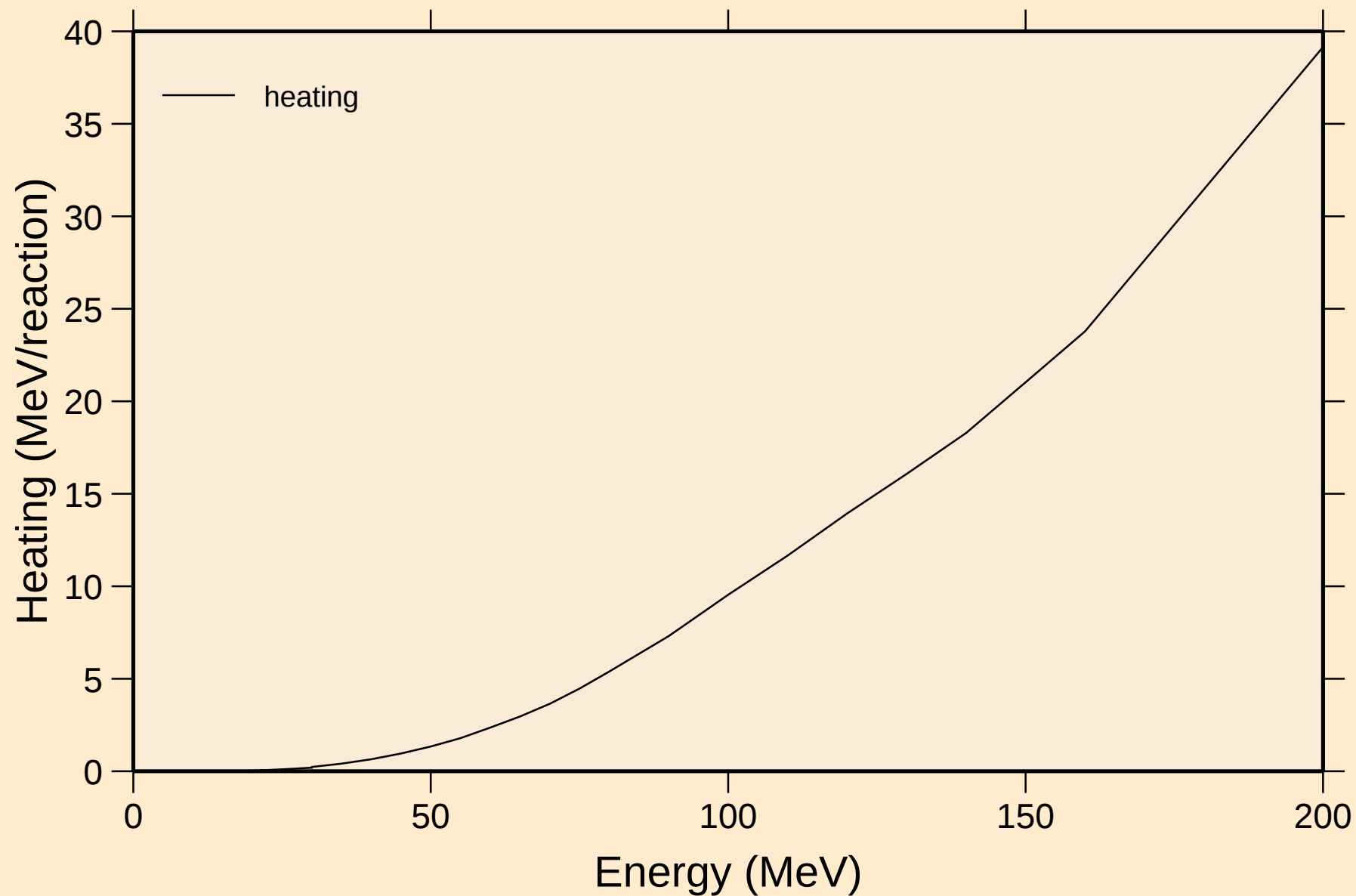
# CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



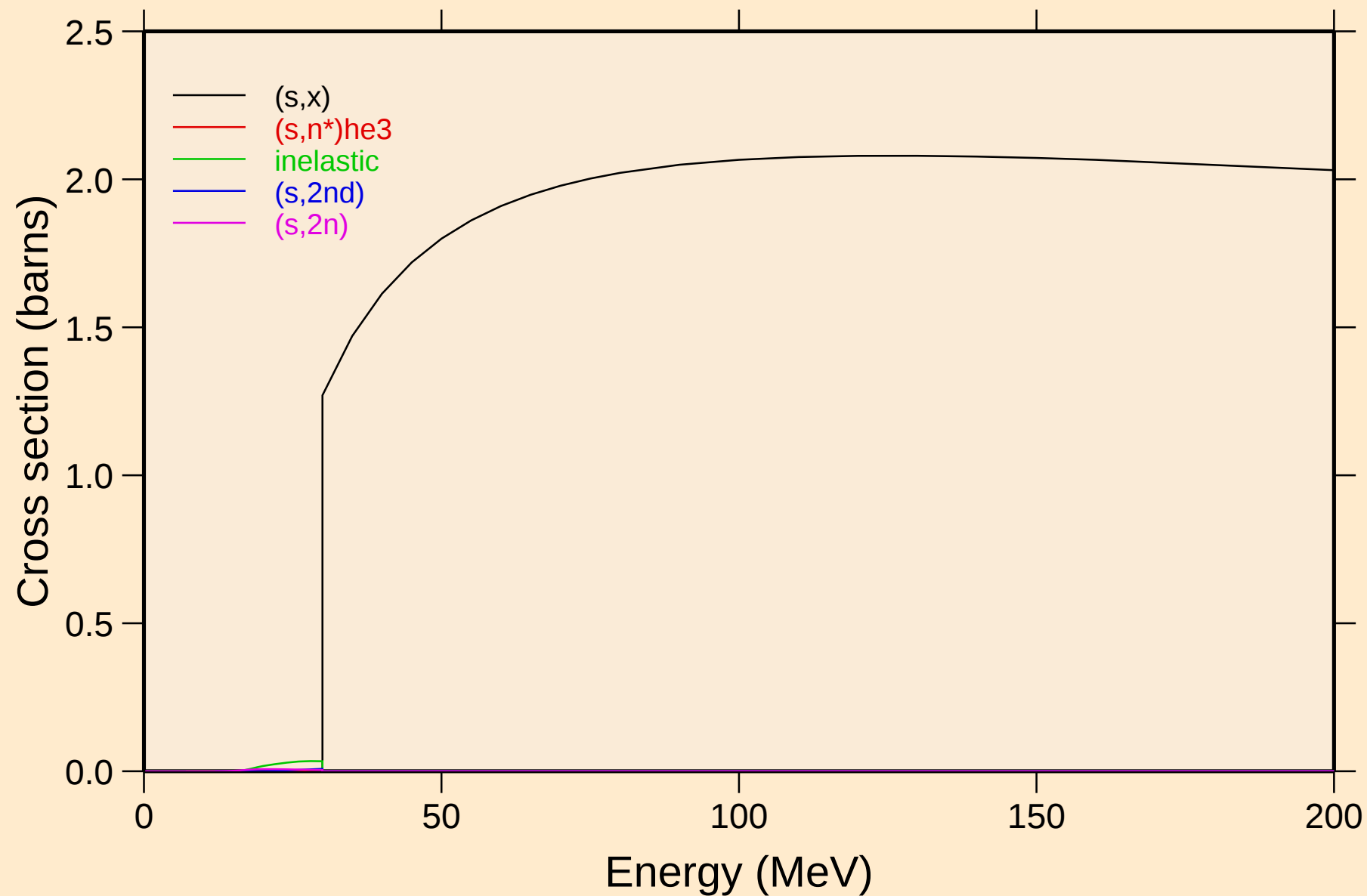
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K

Heating



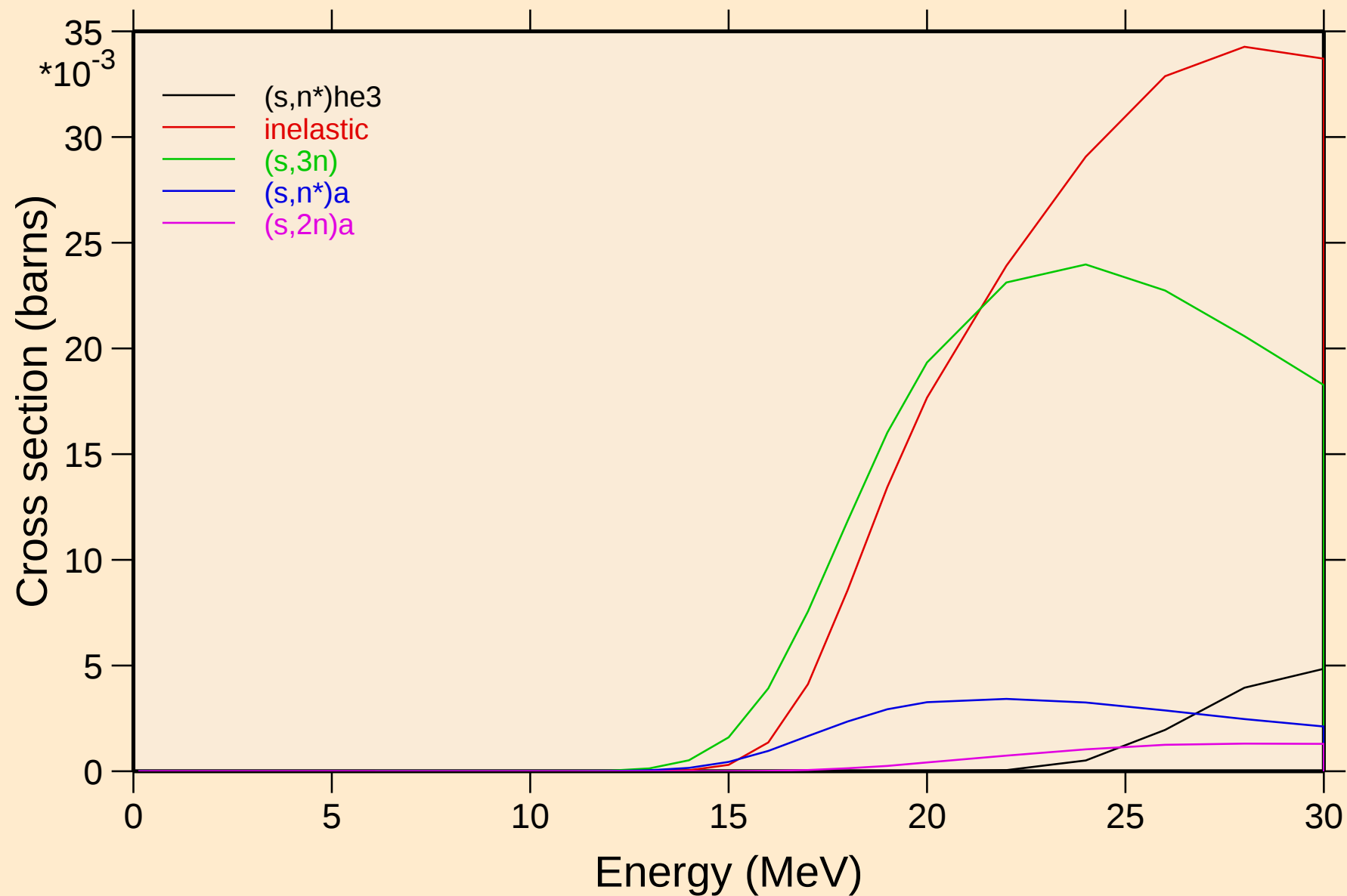
# CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K

Threshold reactions



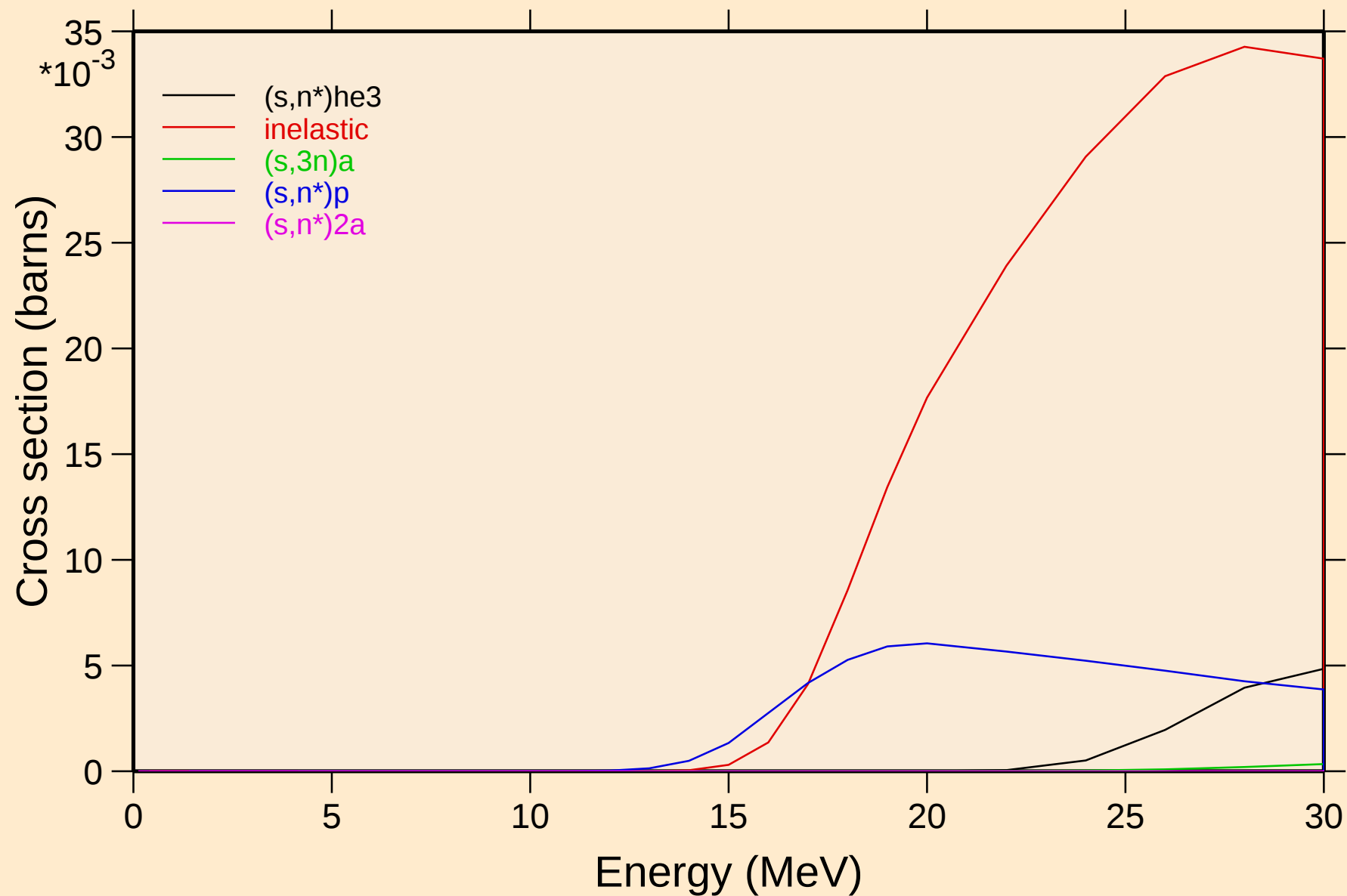
# CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



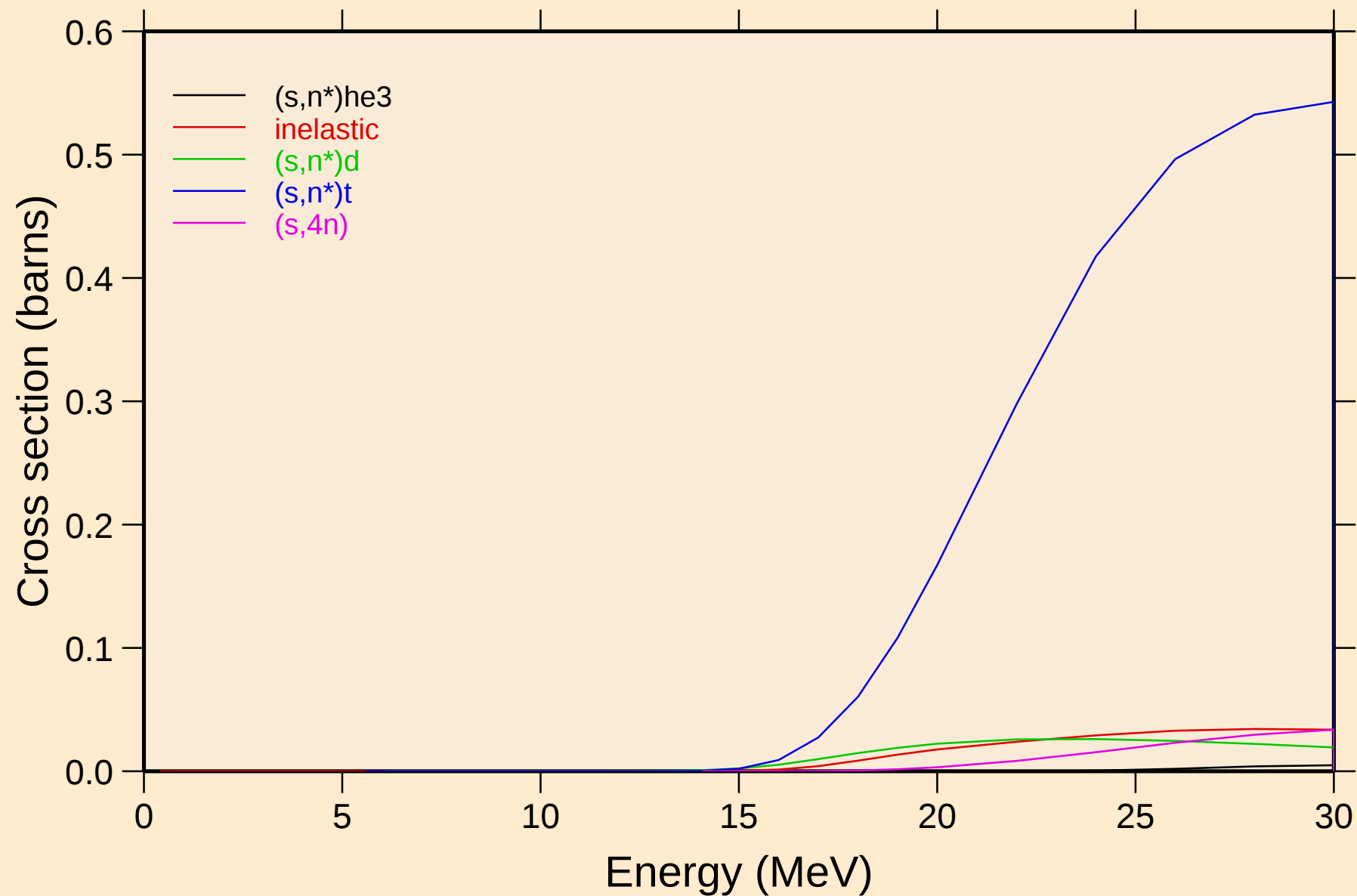
# CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



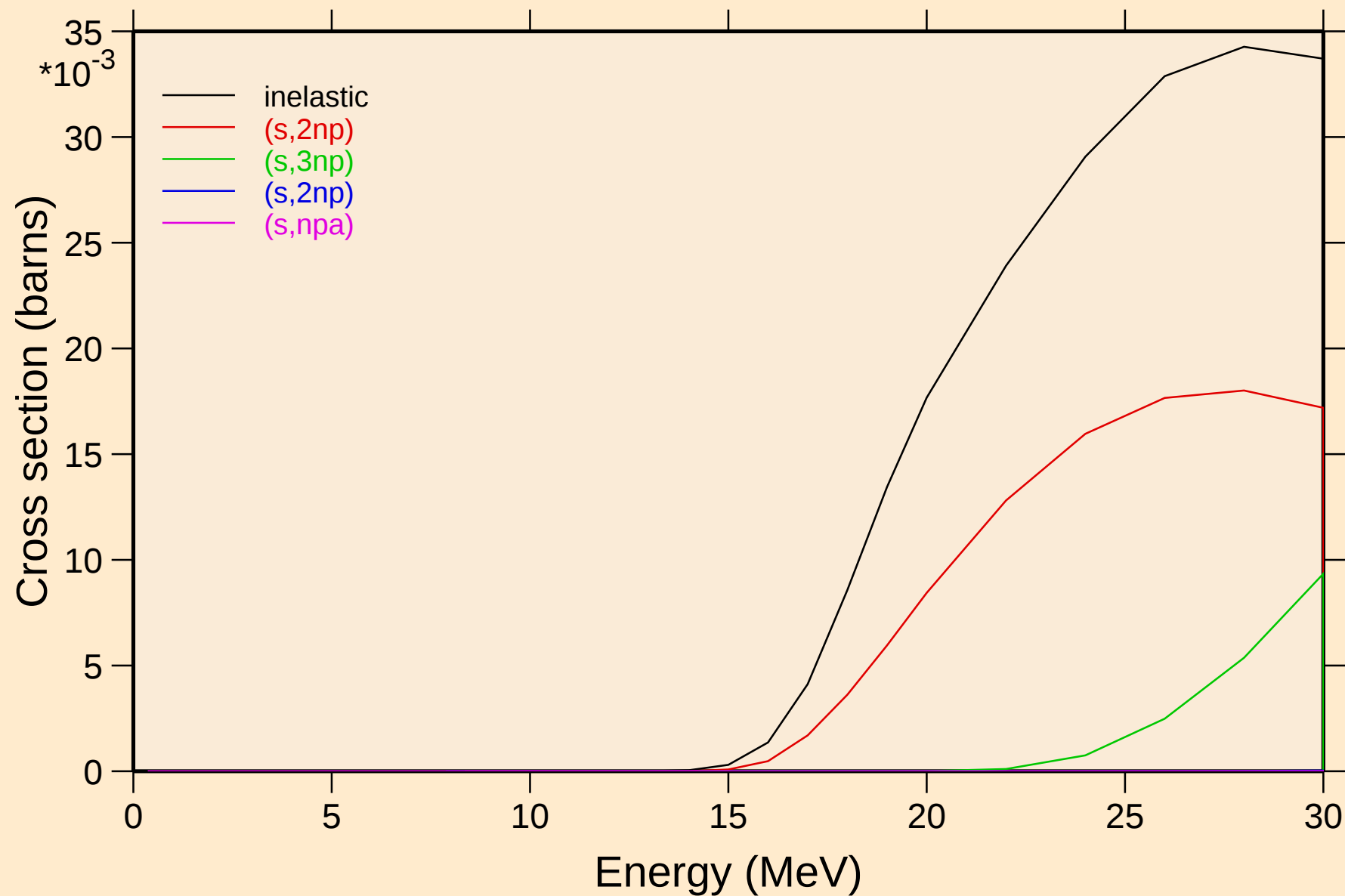
# CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



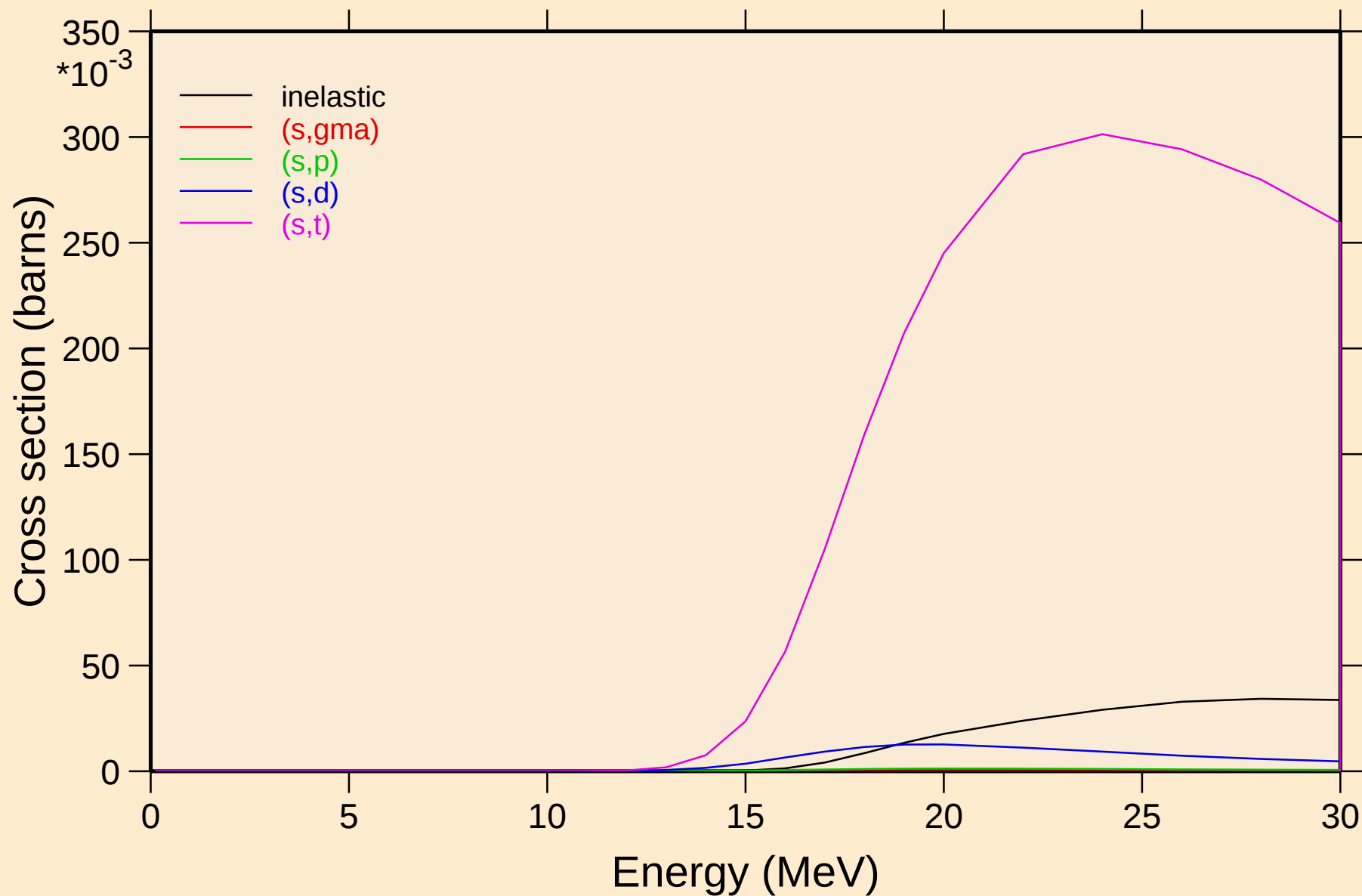
# CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



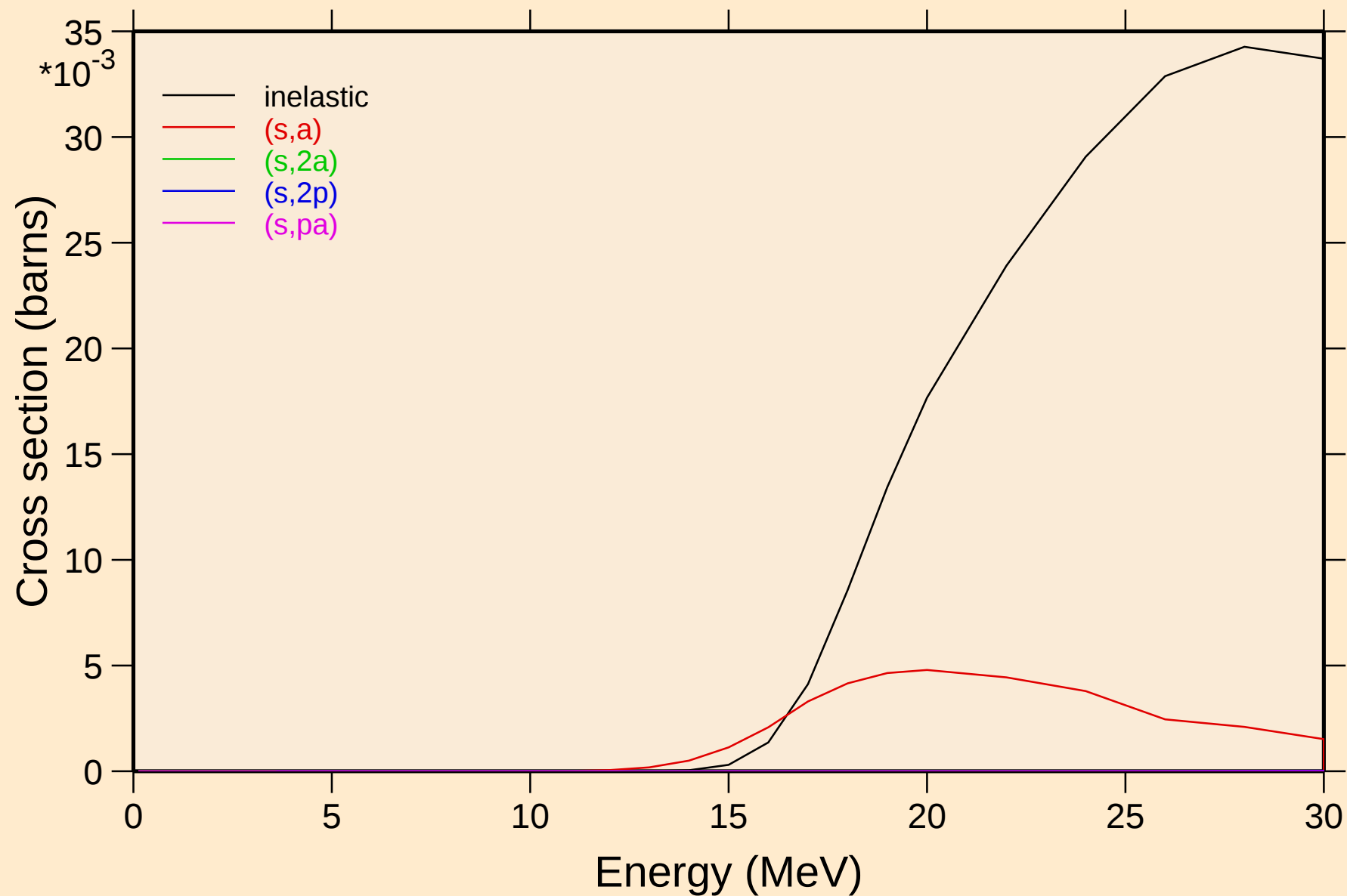
# CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



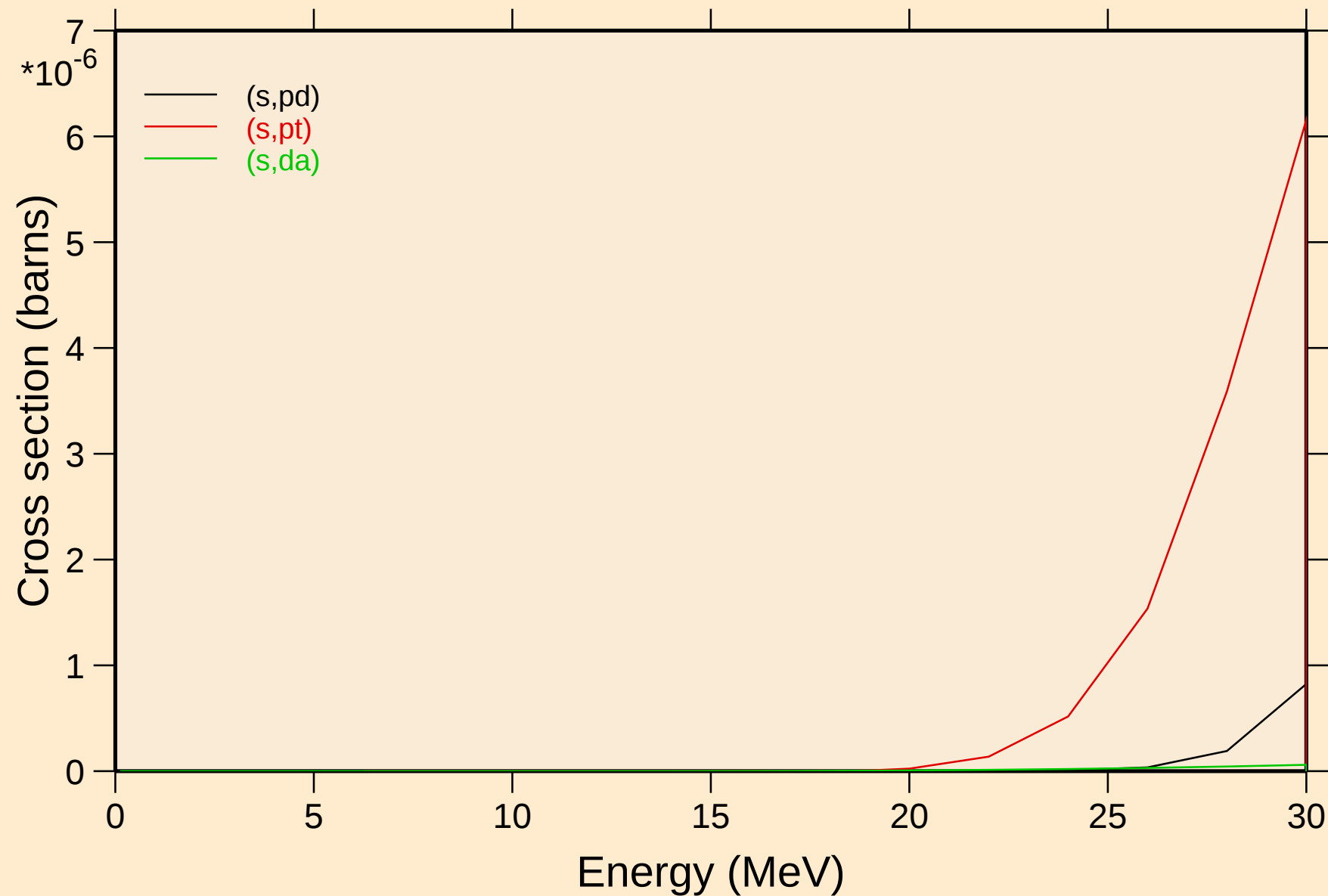
# CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions

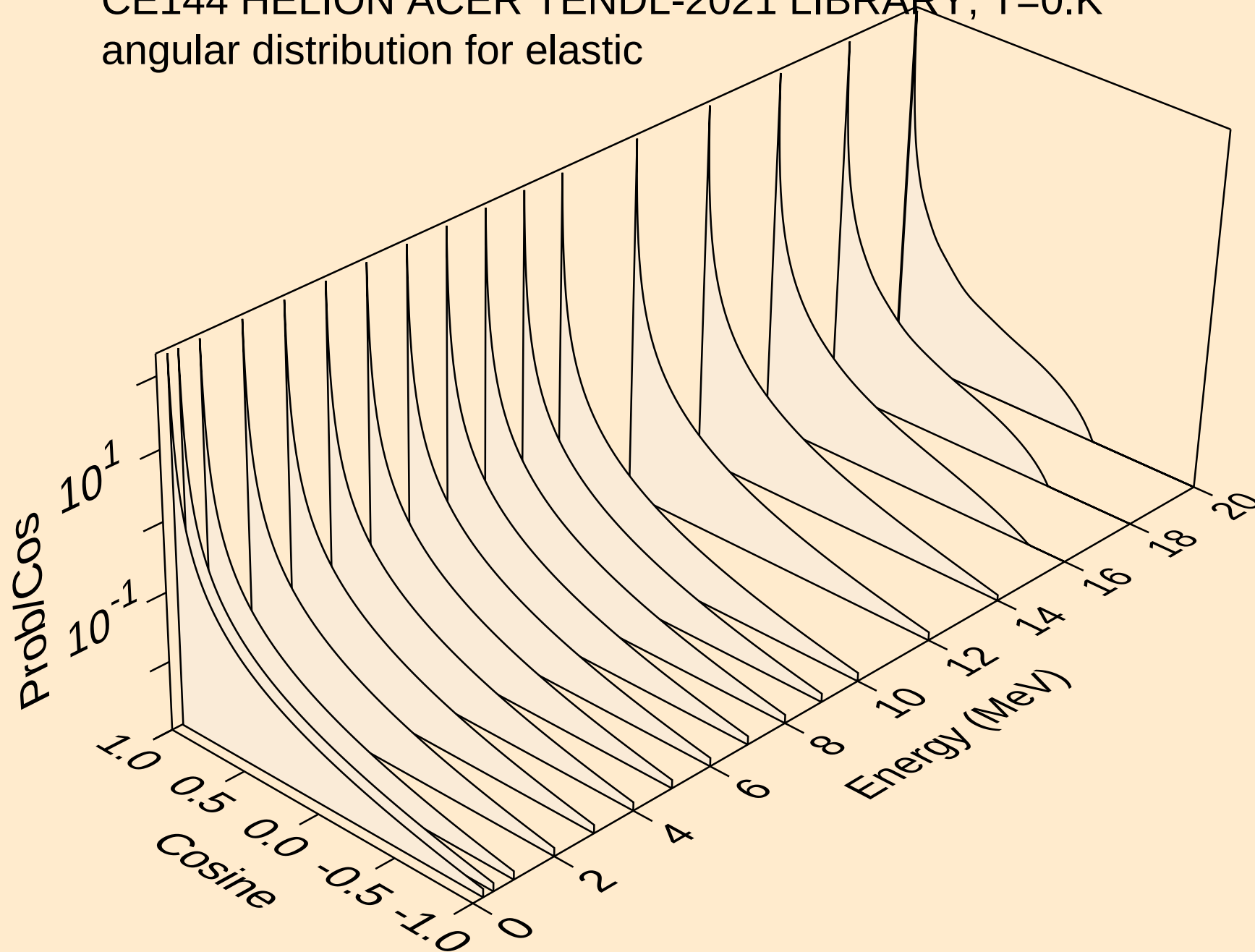


# CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K

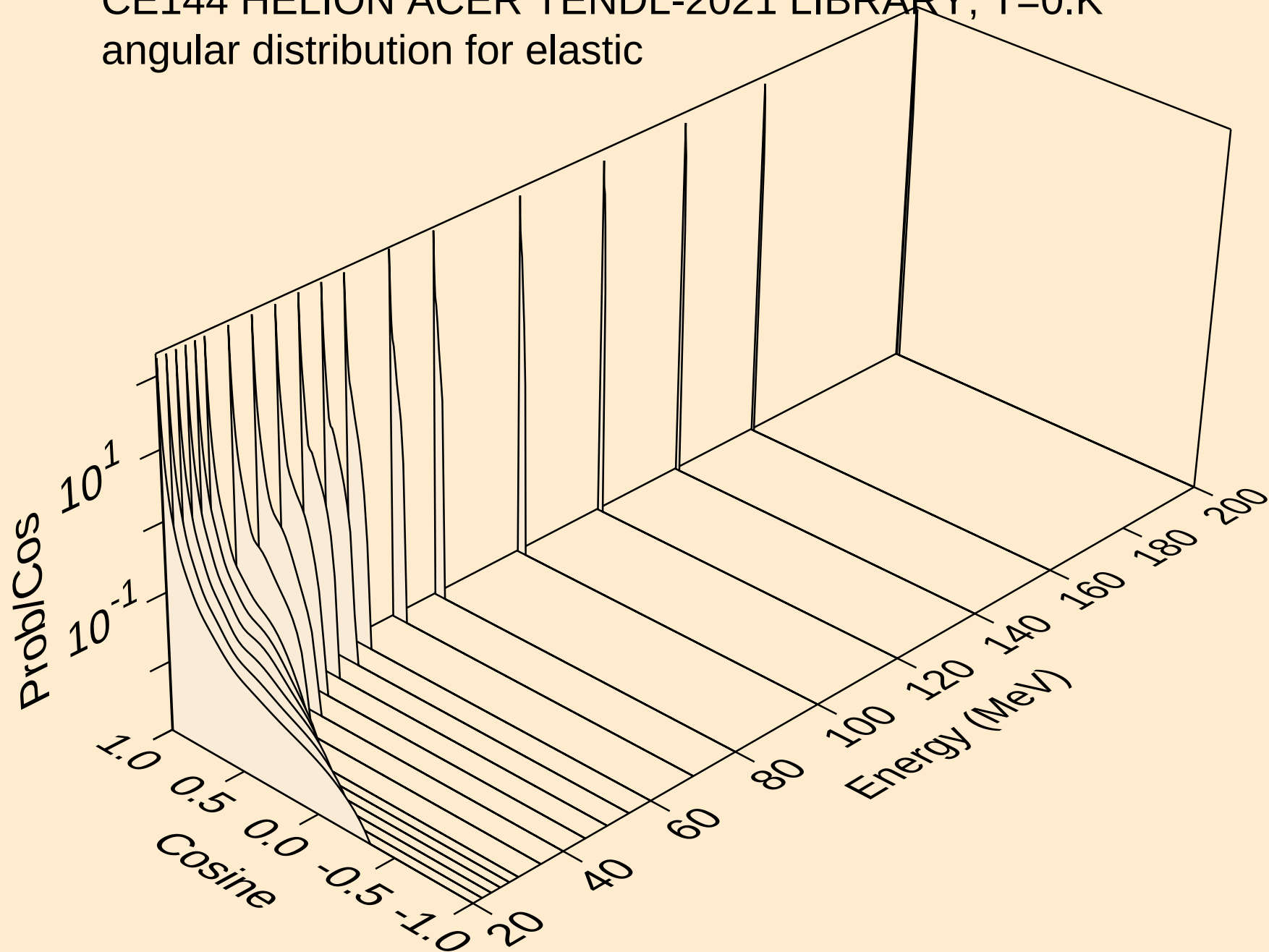
Threshold reactions



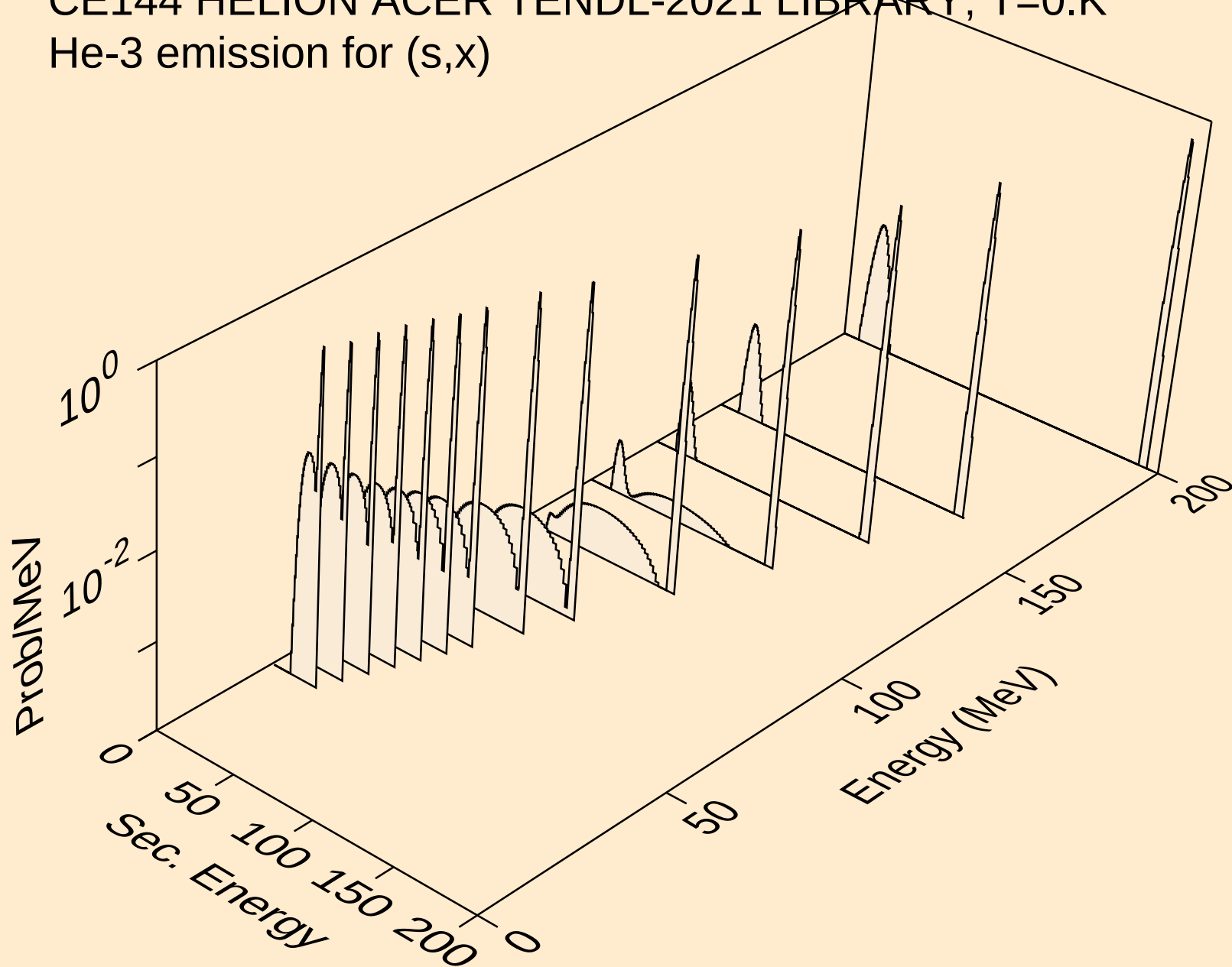
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



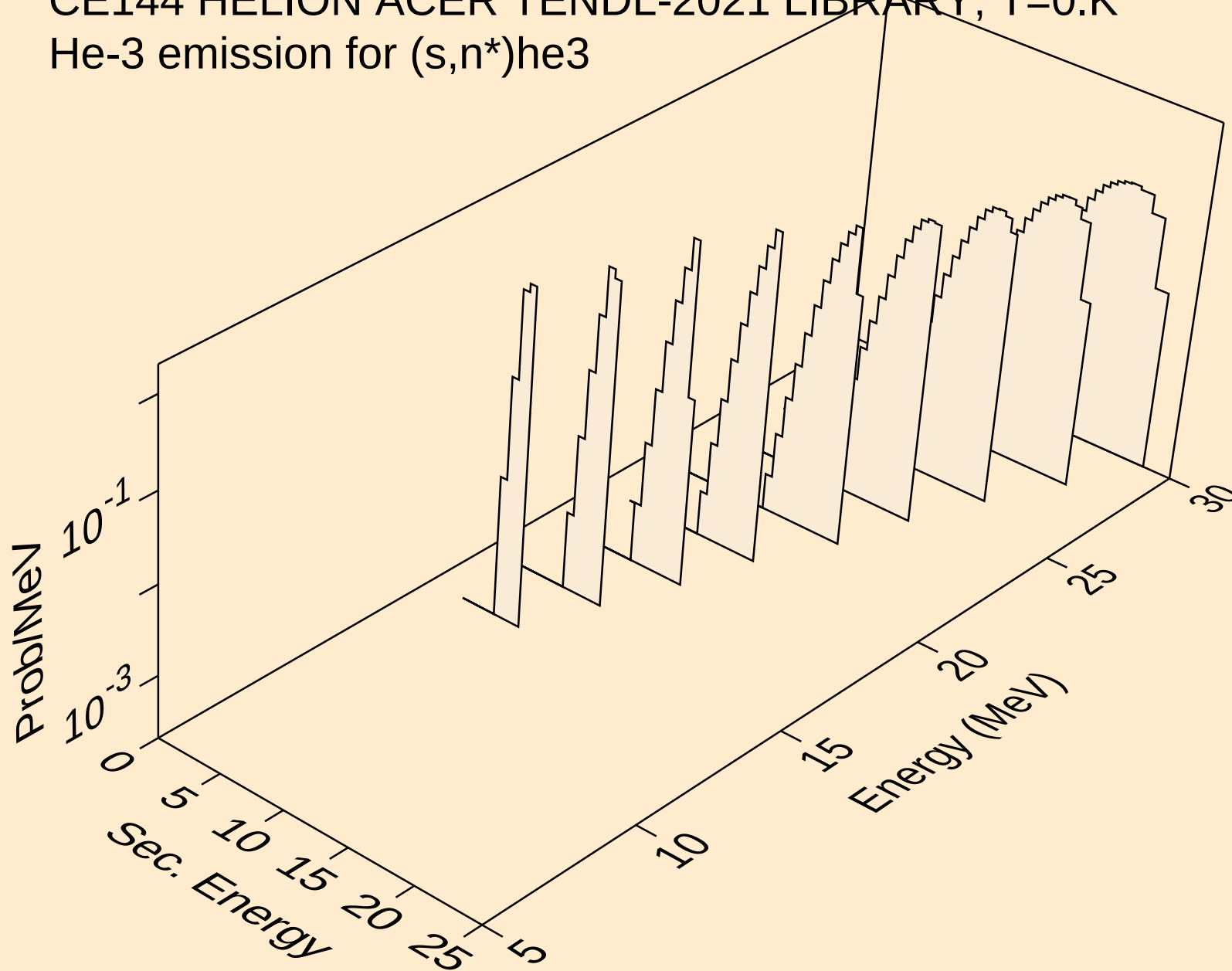
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



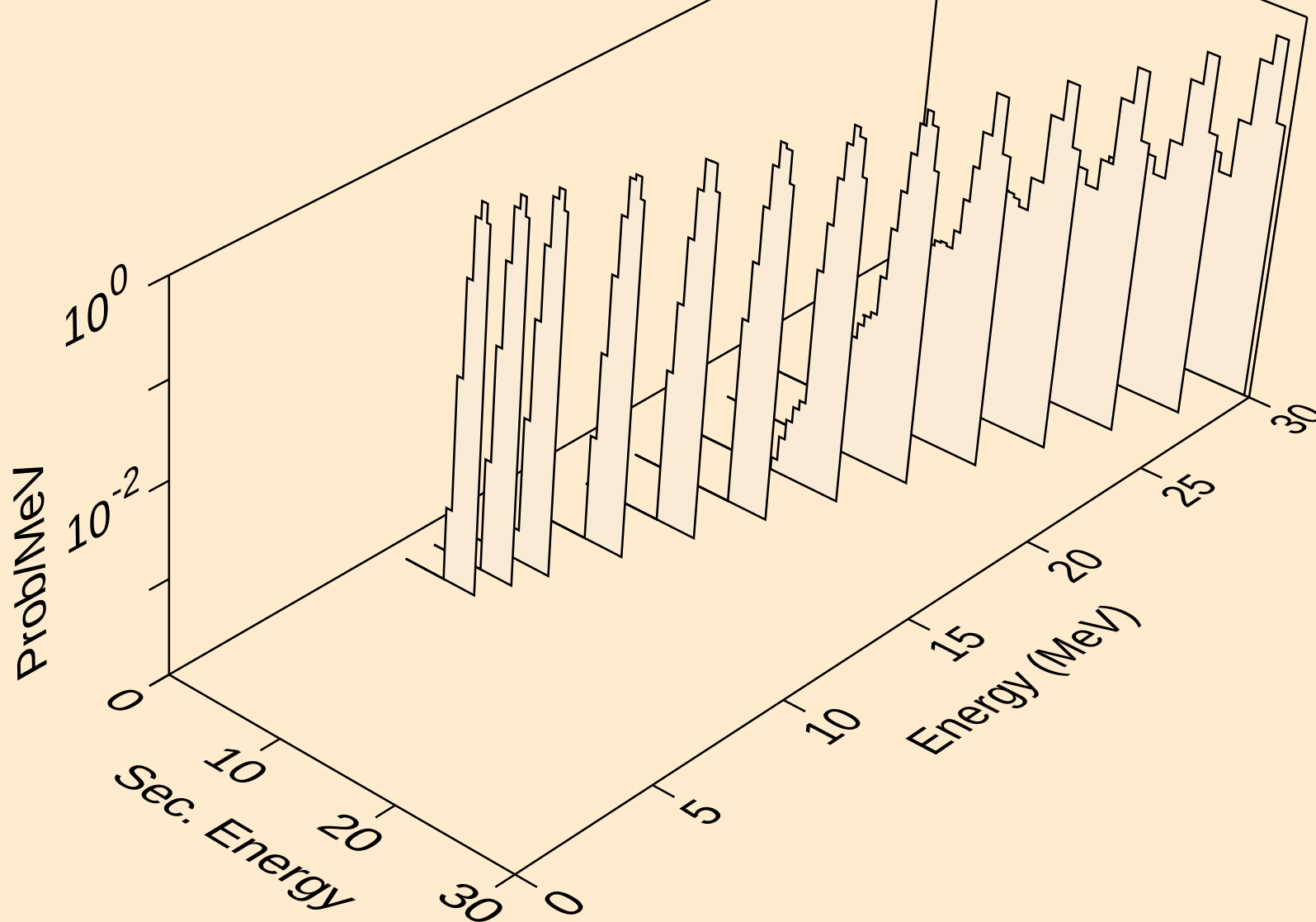
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,x)



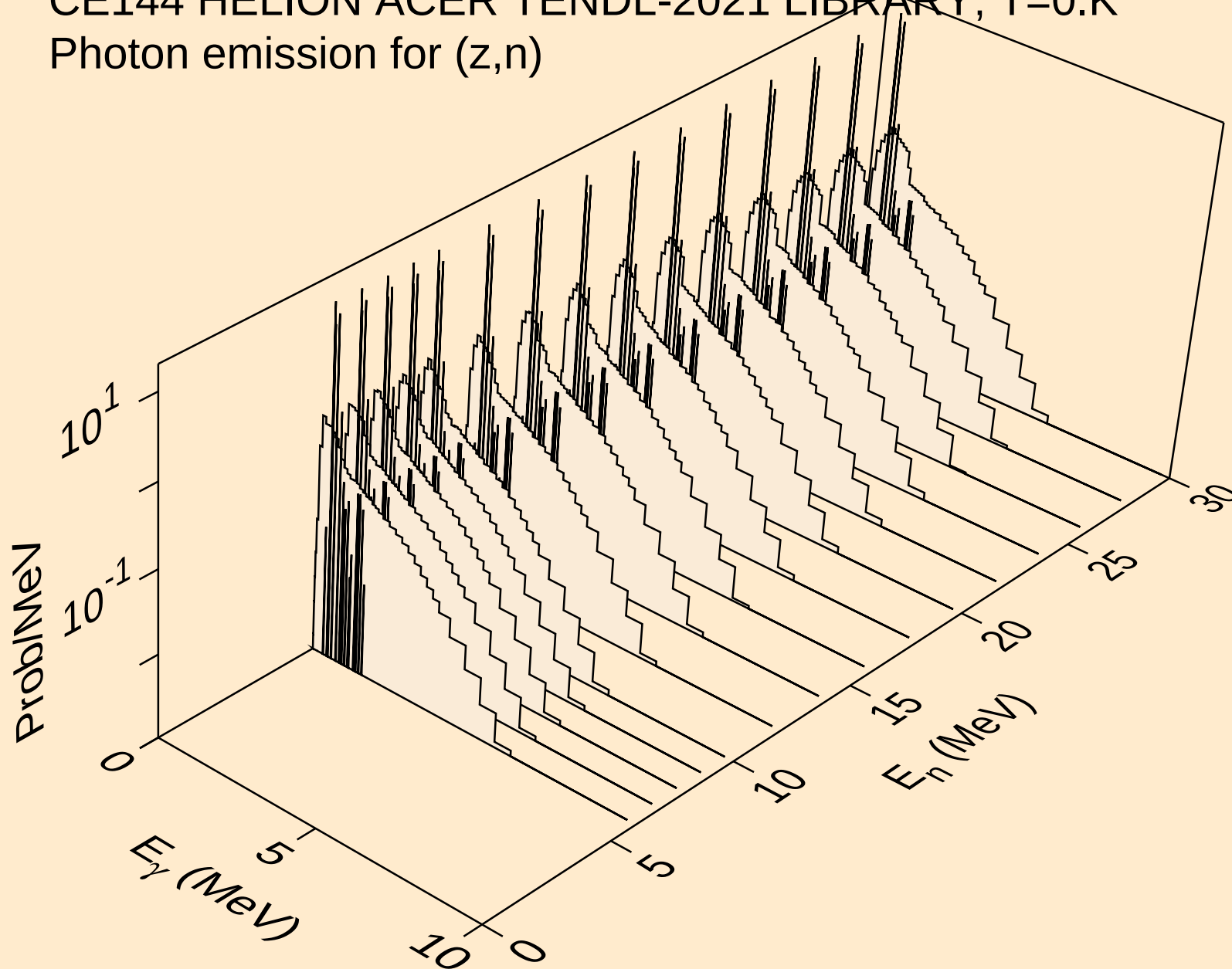
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3



CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for inelastic

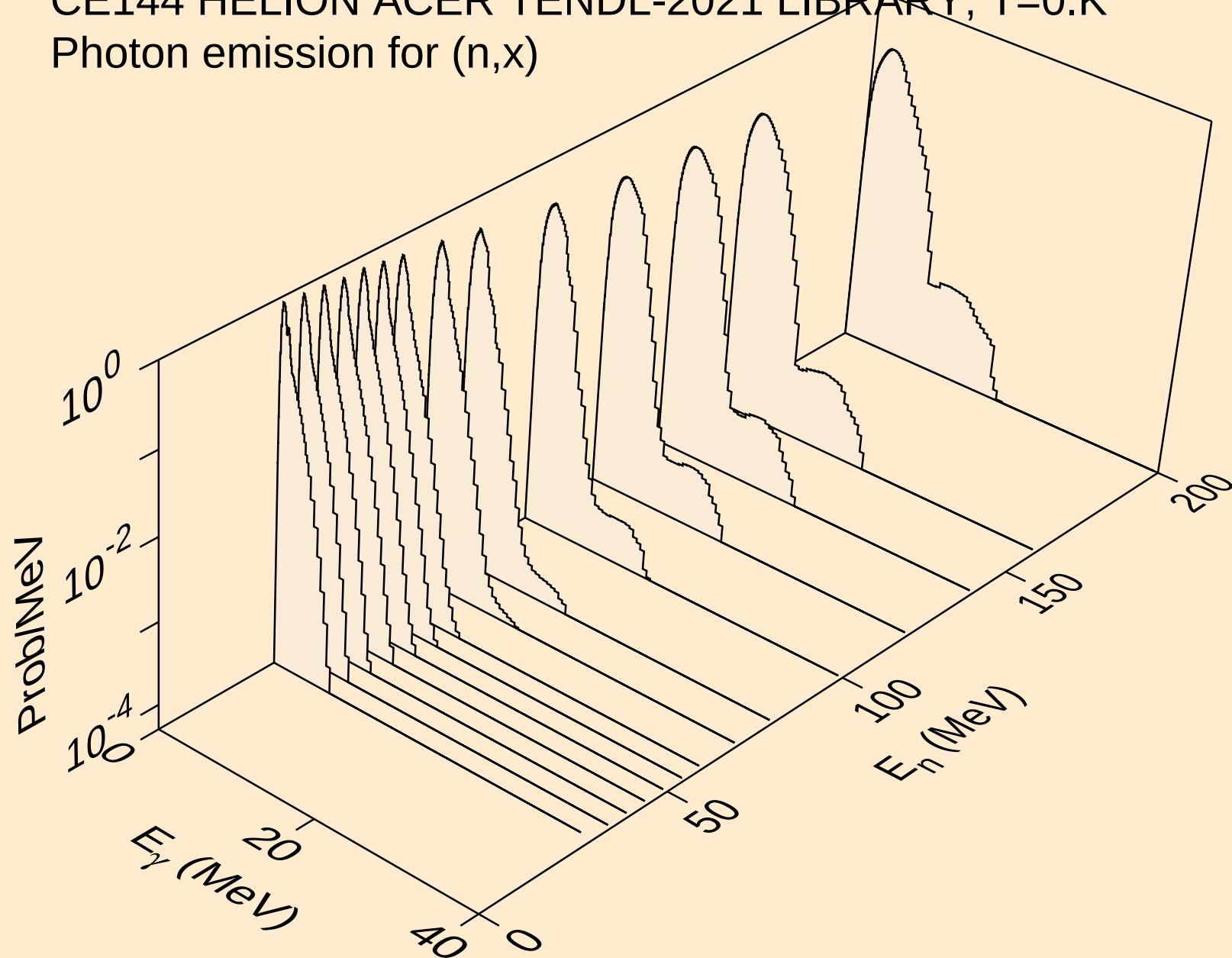


CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)

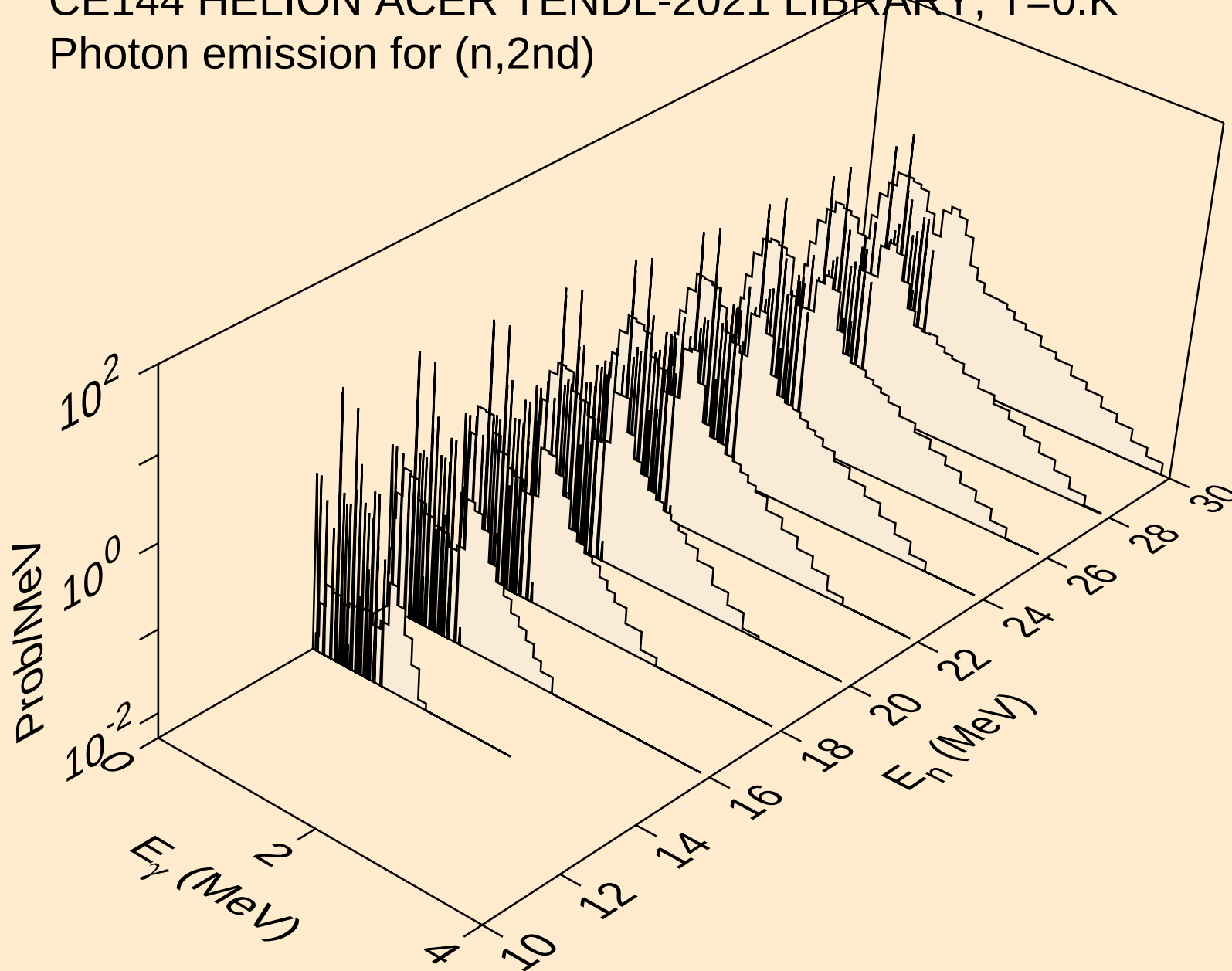


CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K

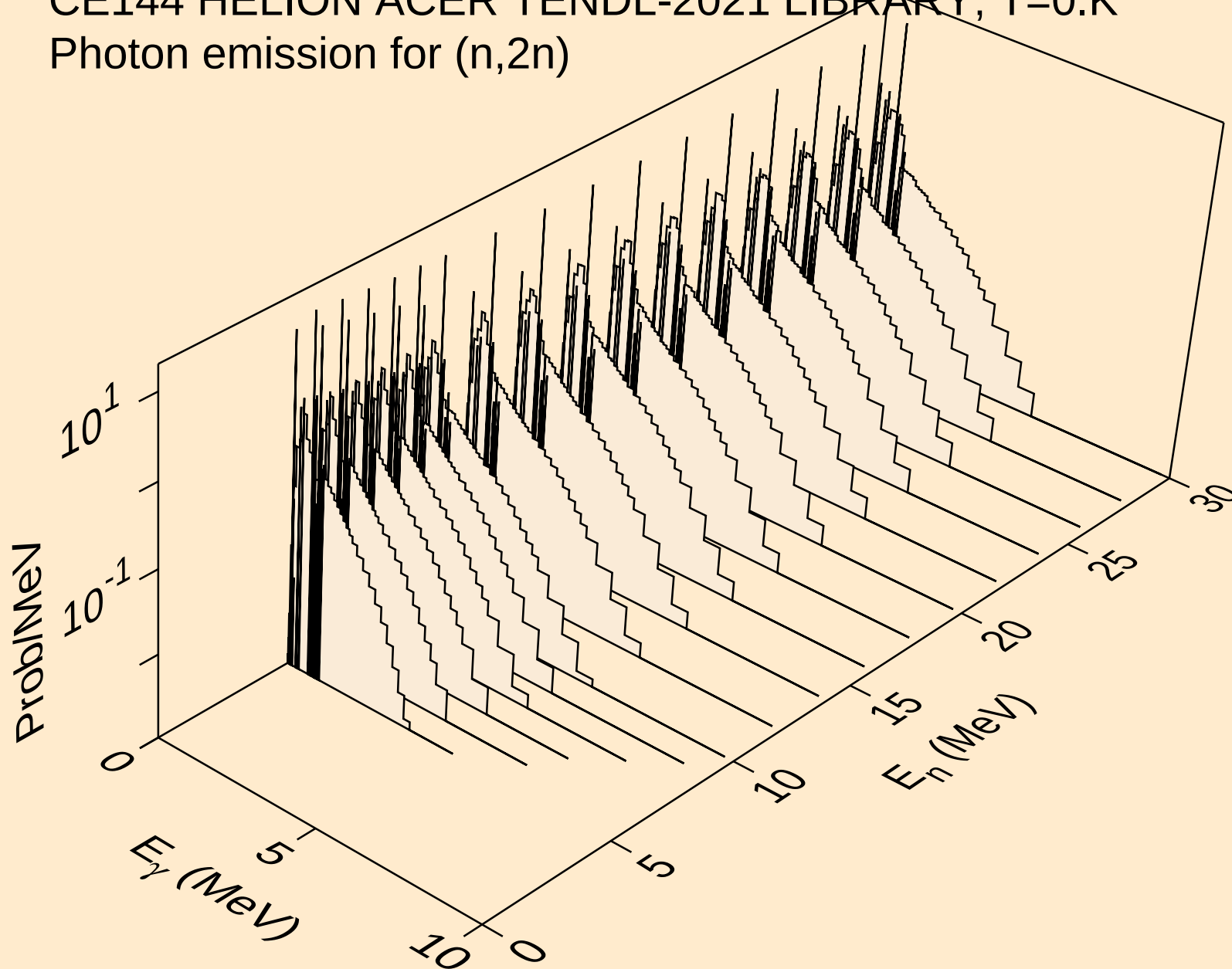
Photon emission for (n,x)



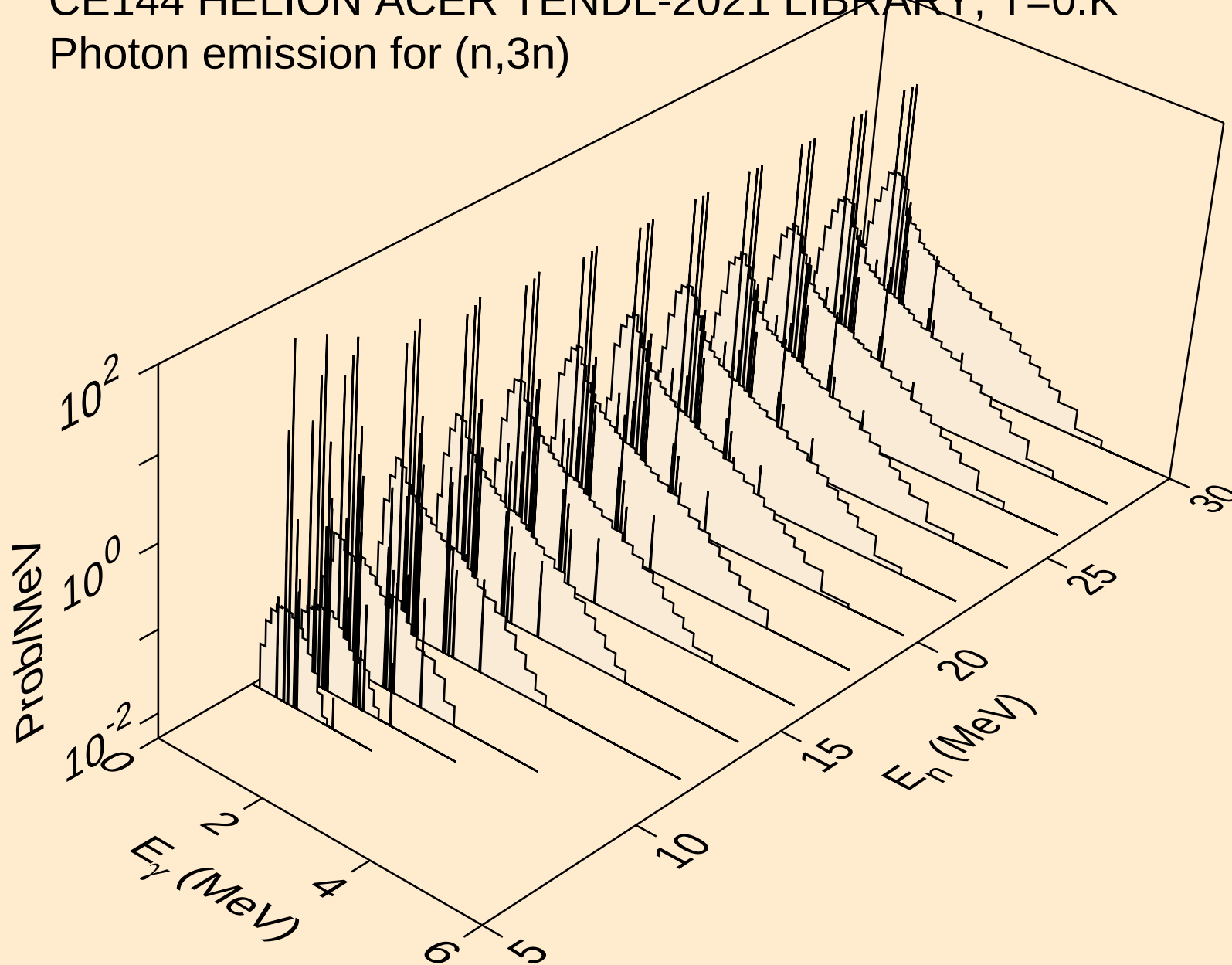
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)



CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)

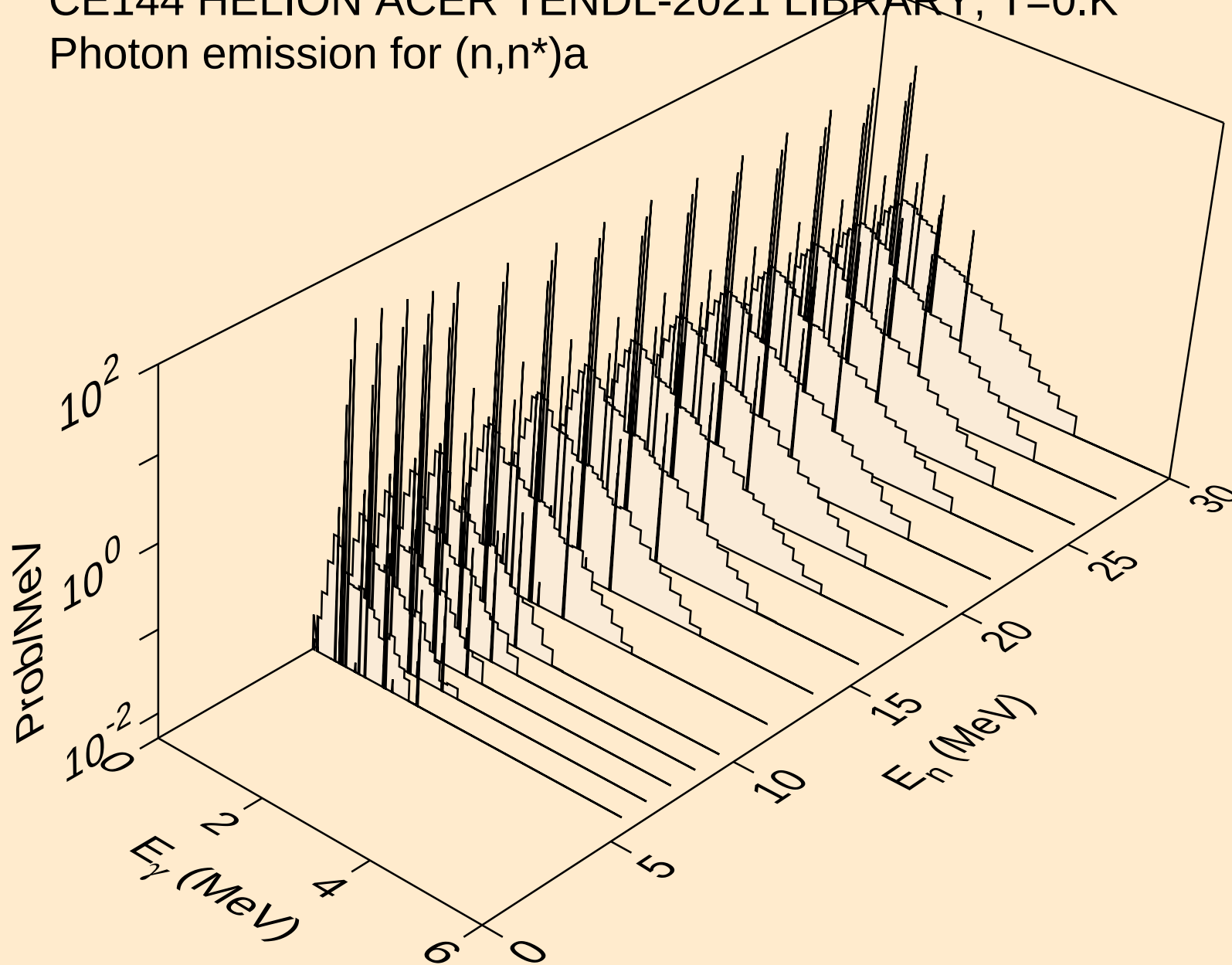


CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)



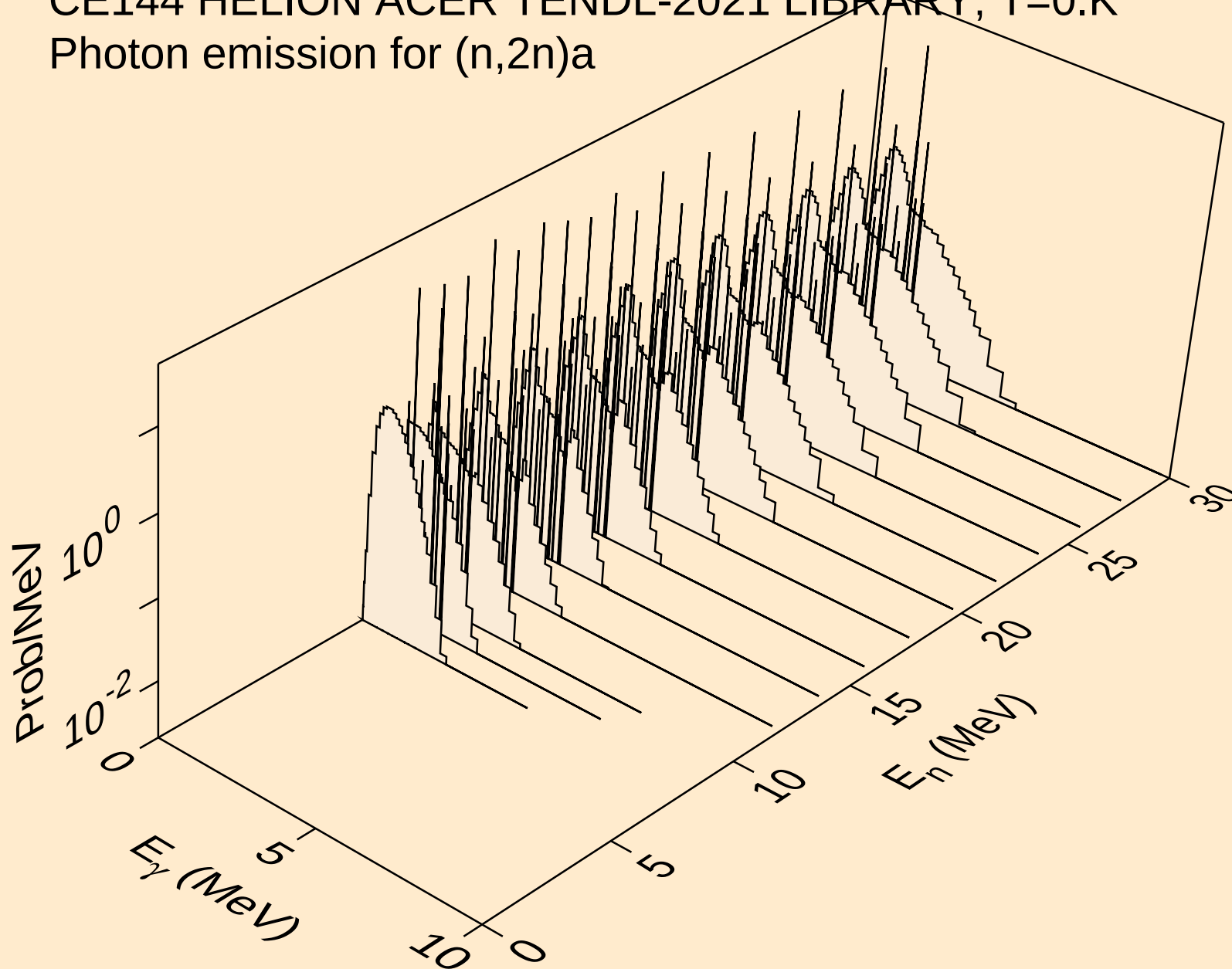
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n\*)a



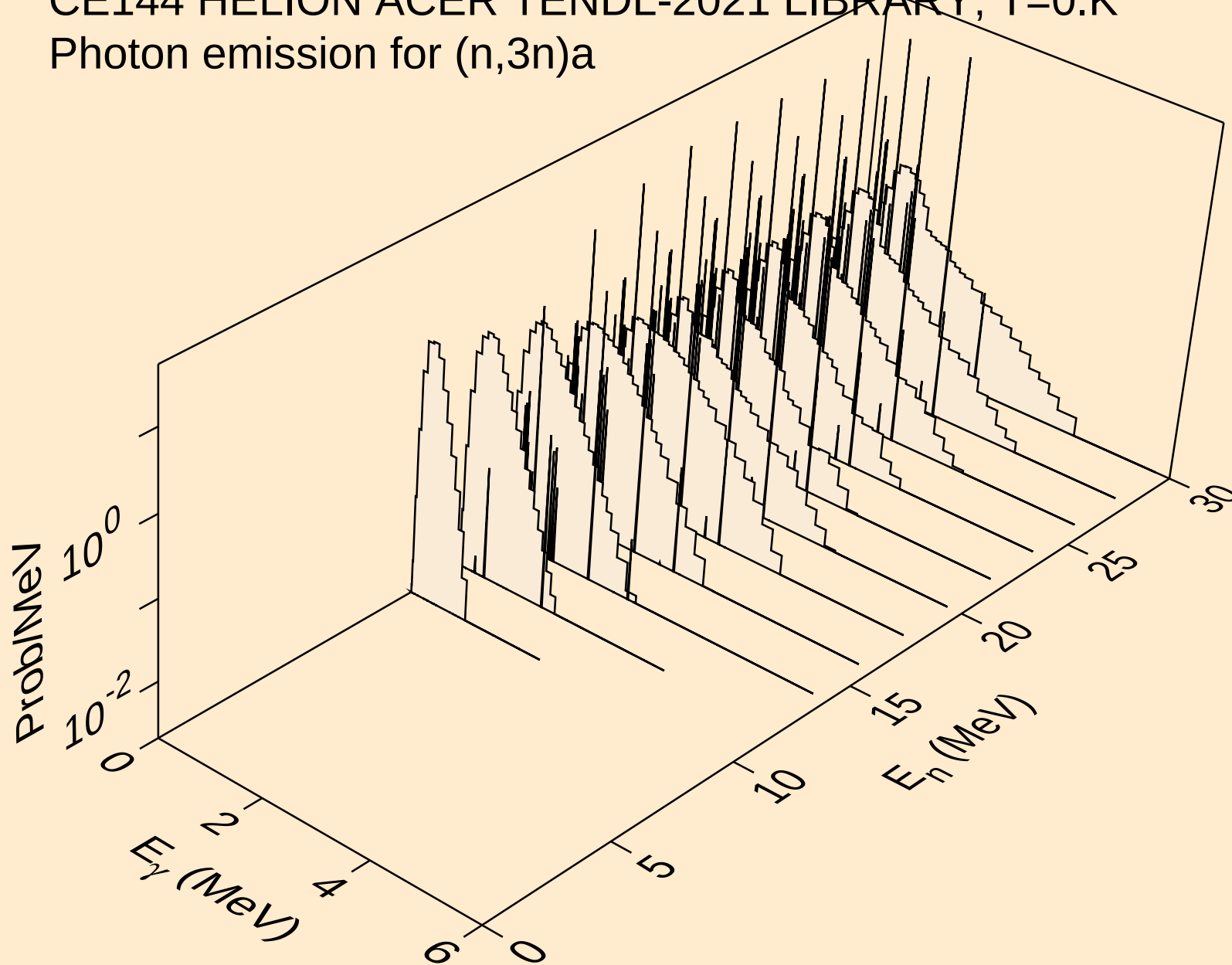
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K

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



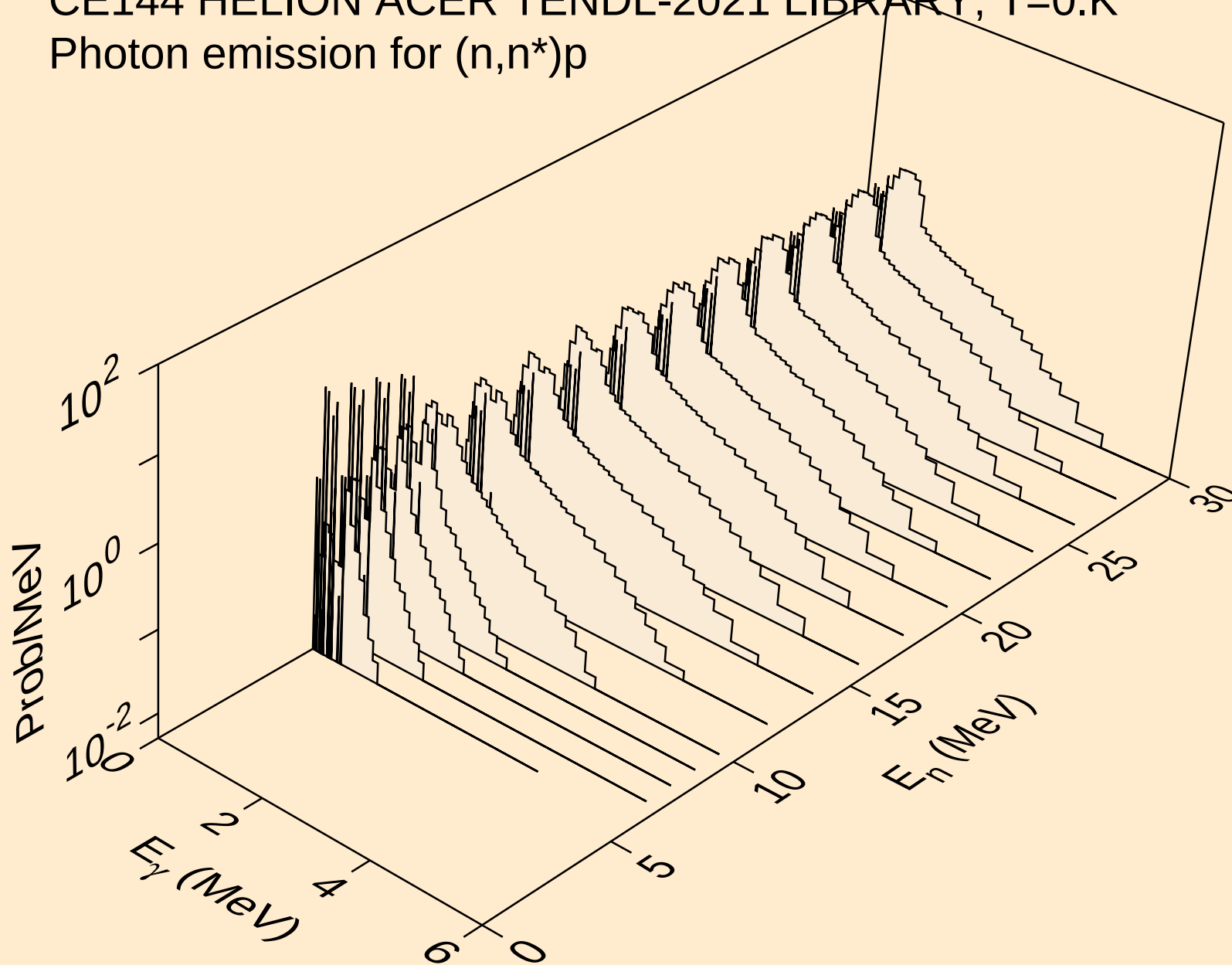
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K

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



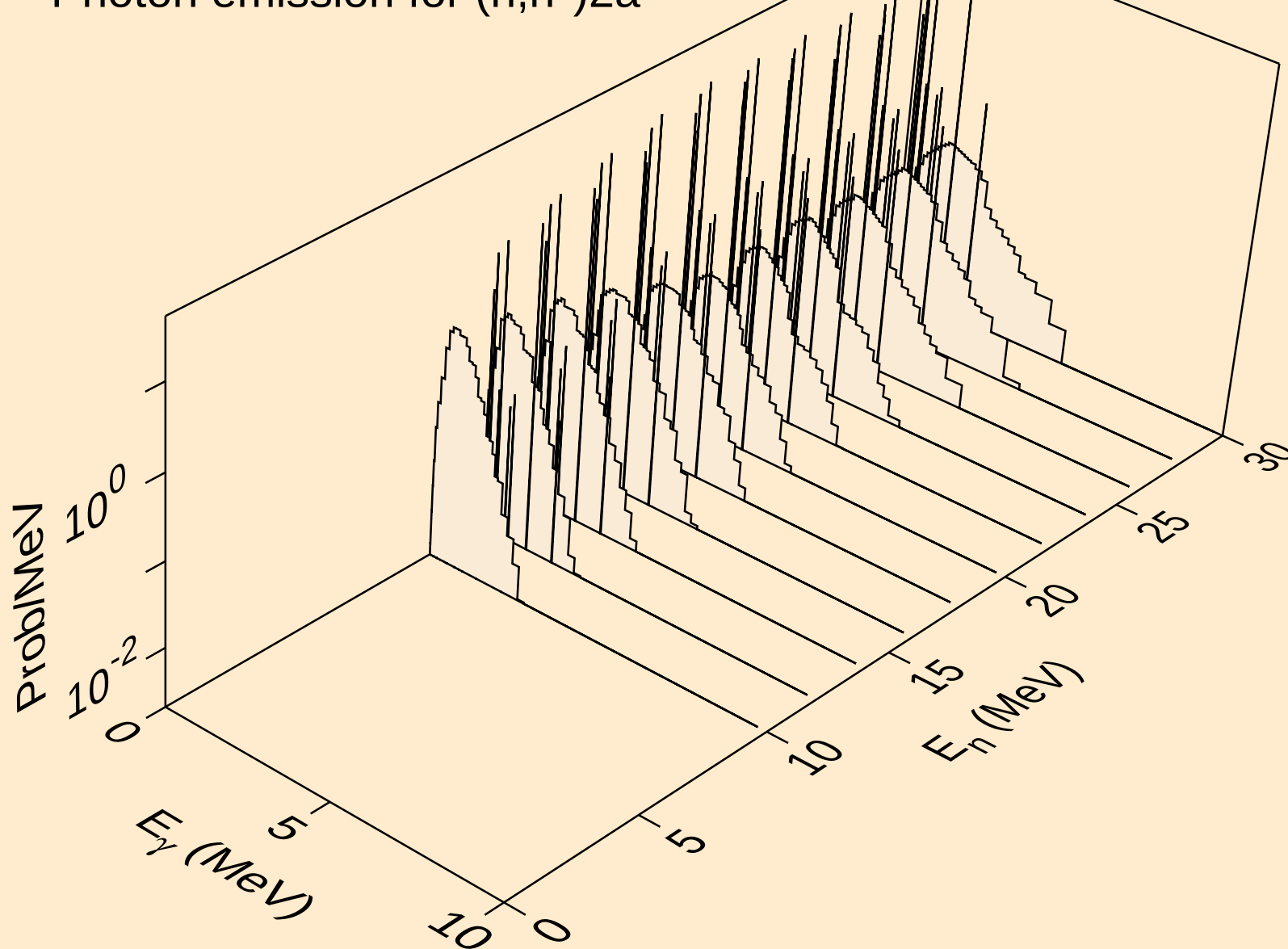
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n\*)p

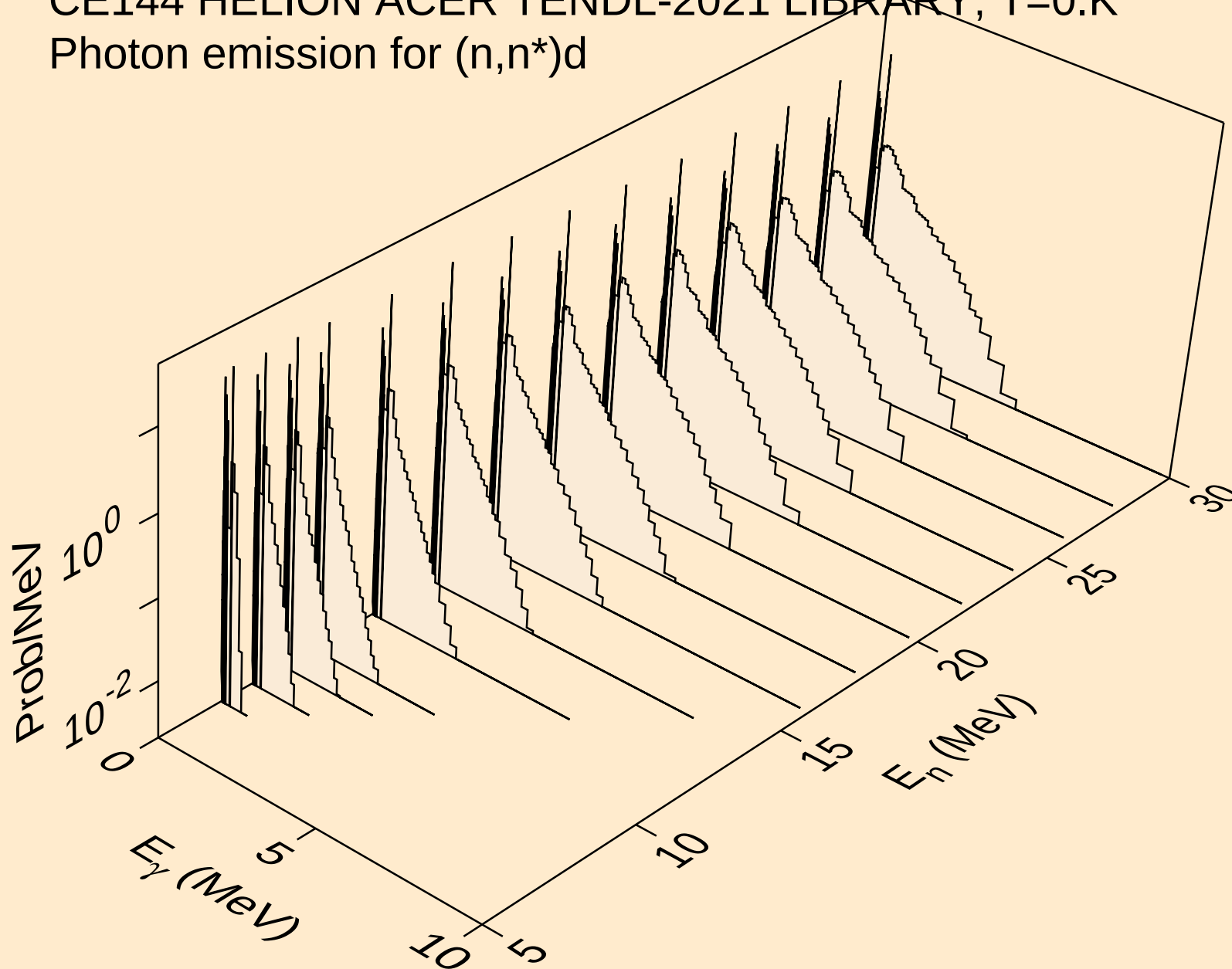


CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K

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

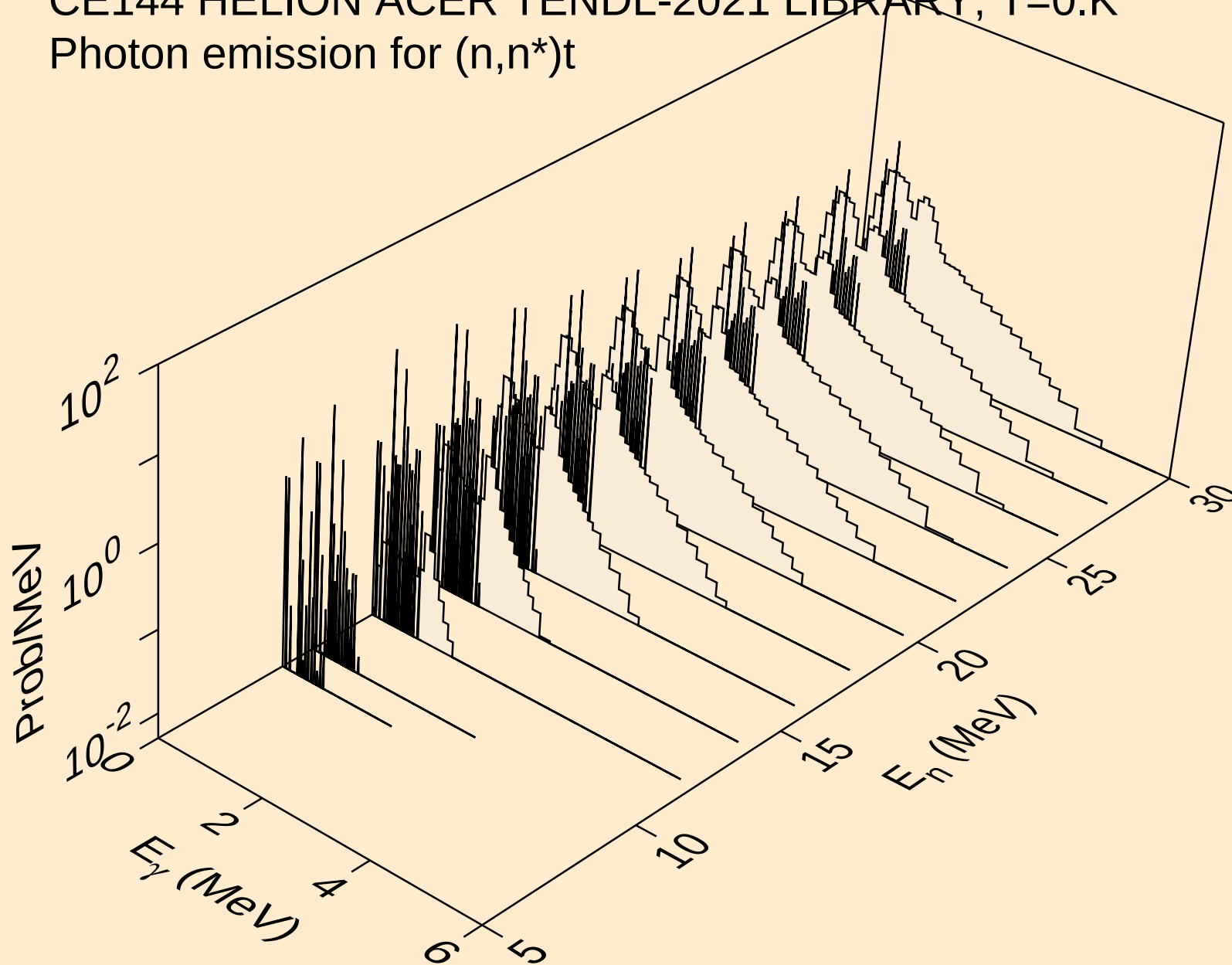


CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

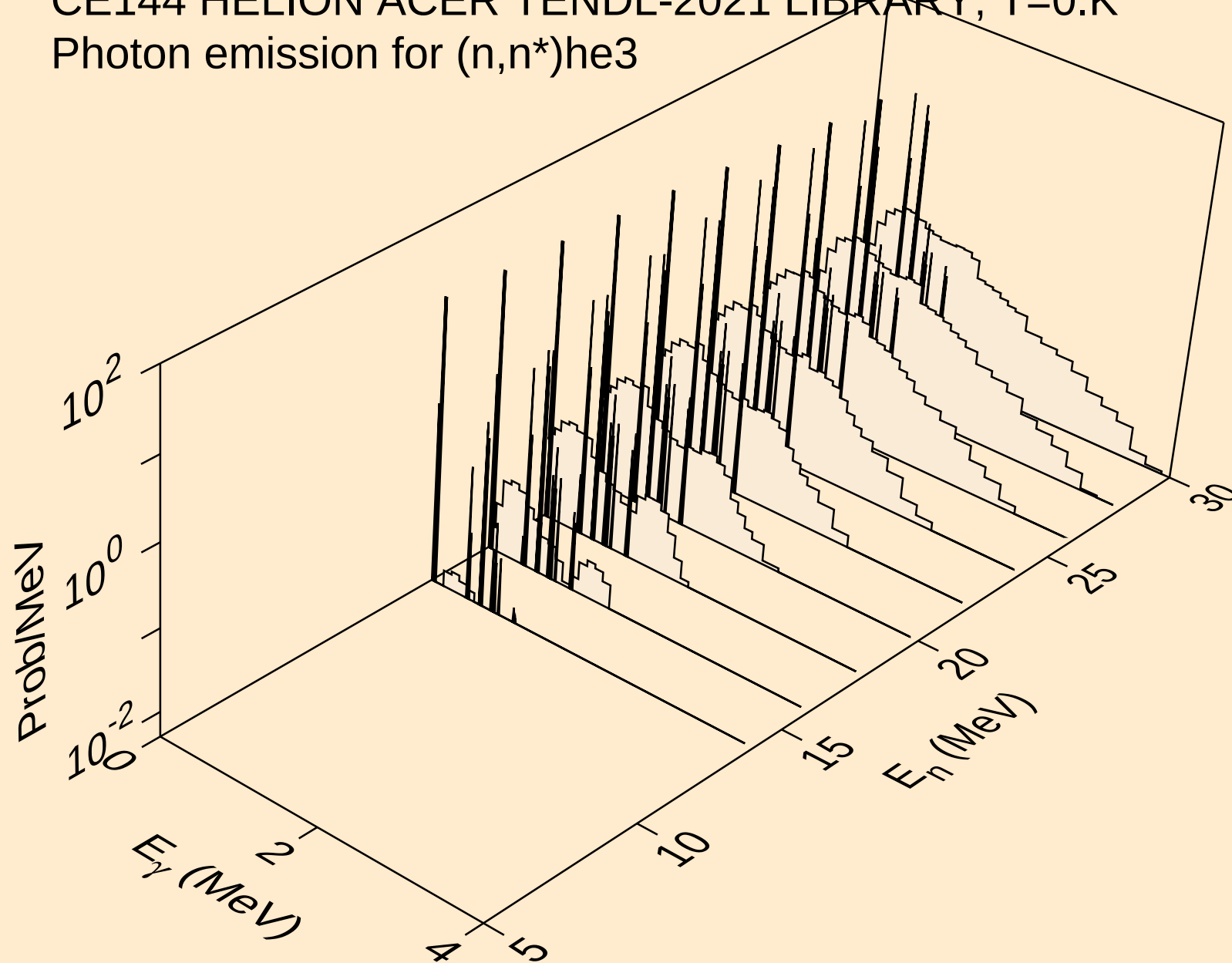


CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K

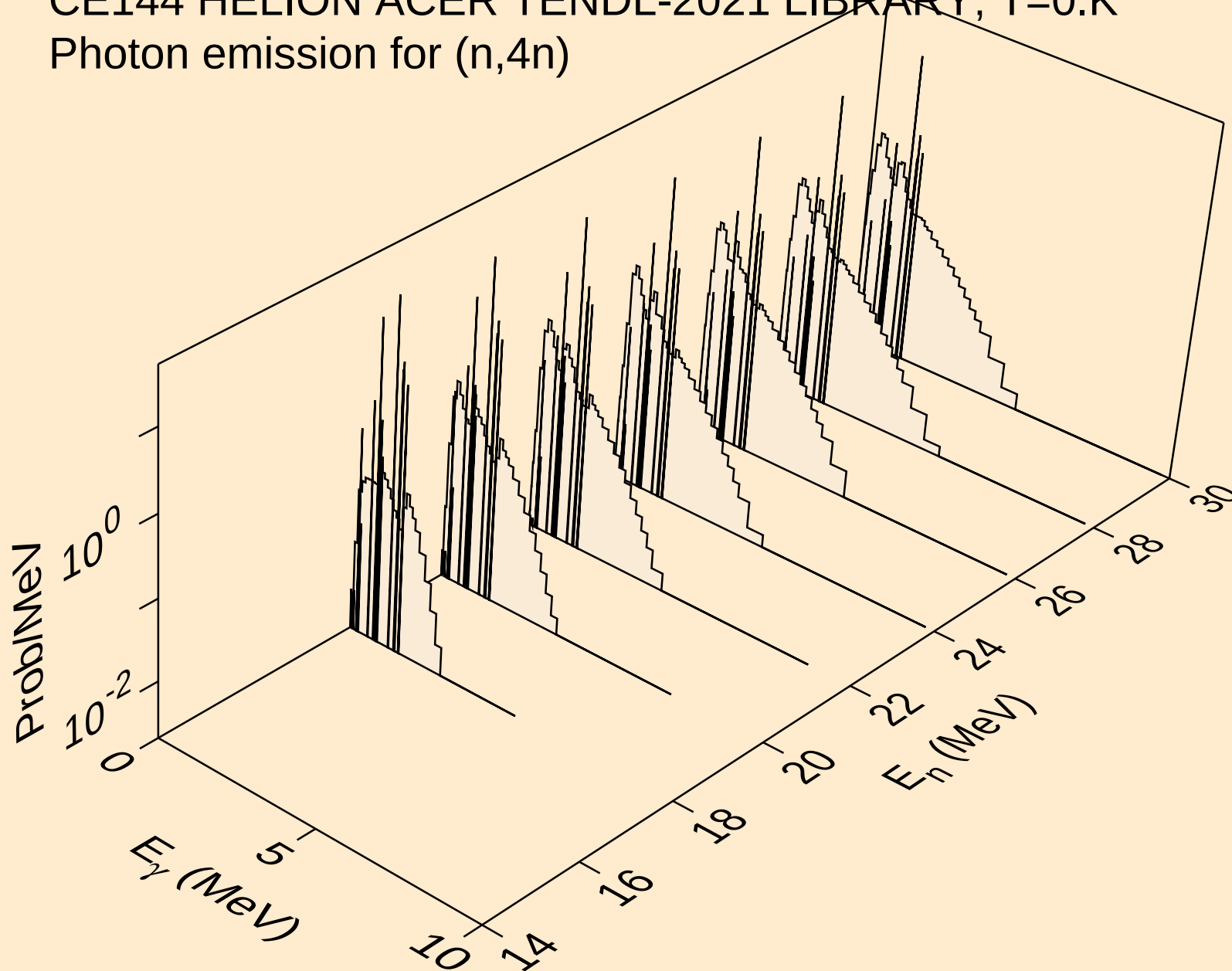
Photon emission for (n,n\*)t



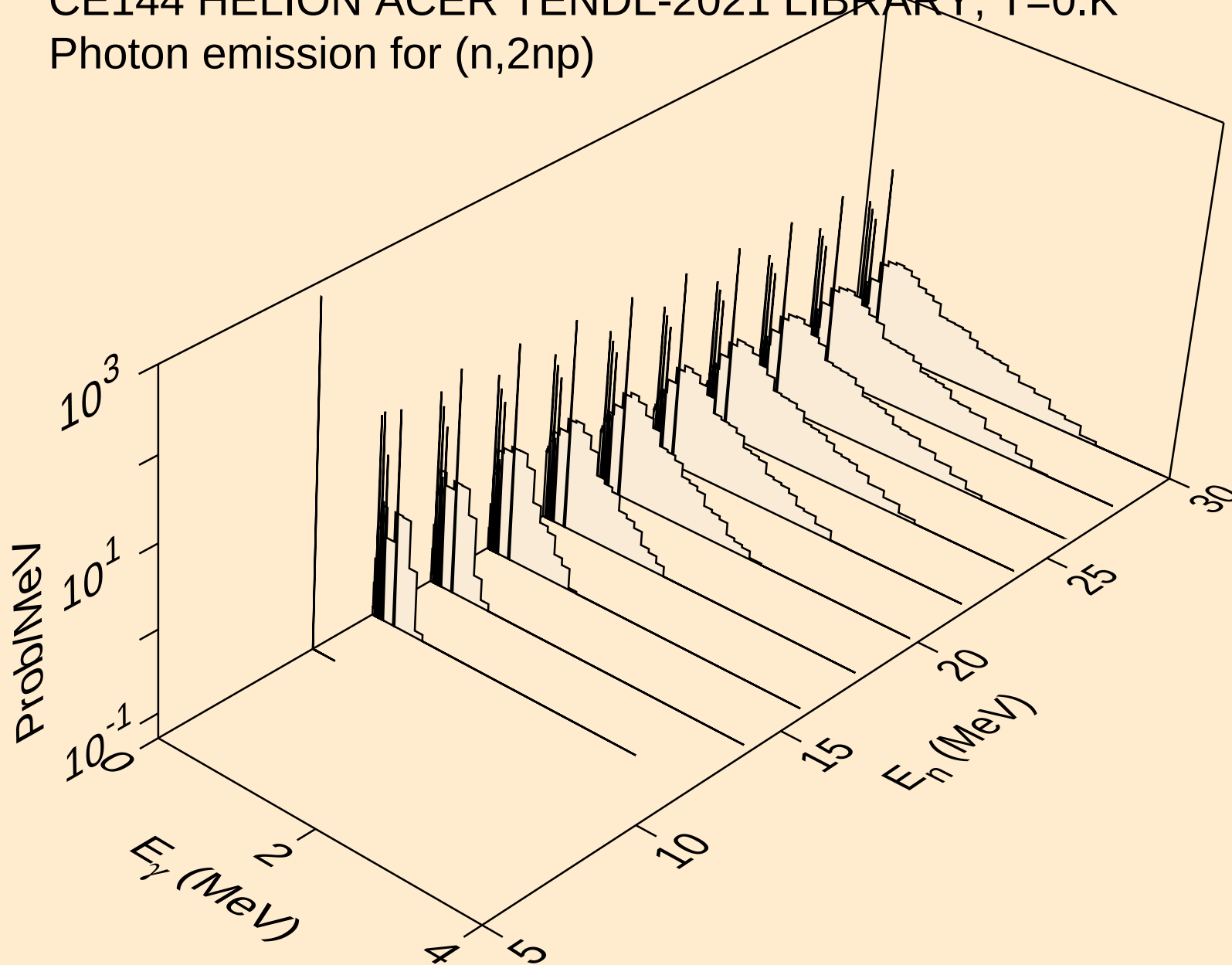
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



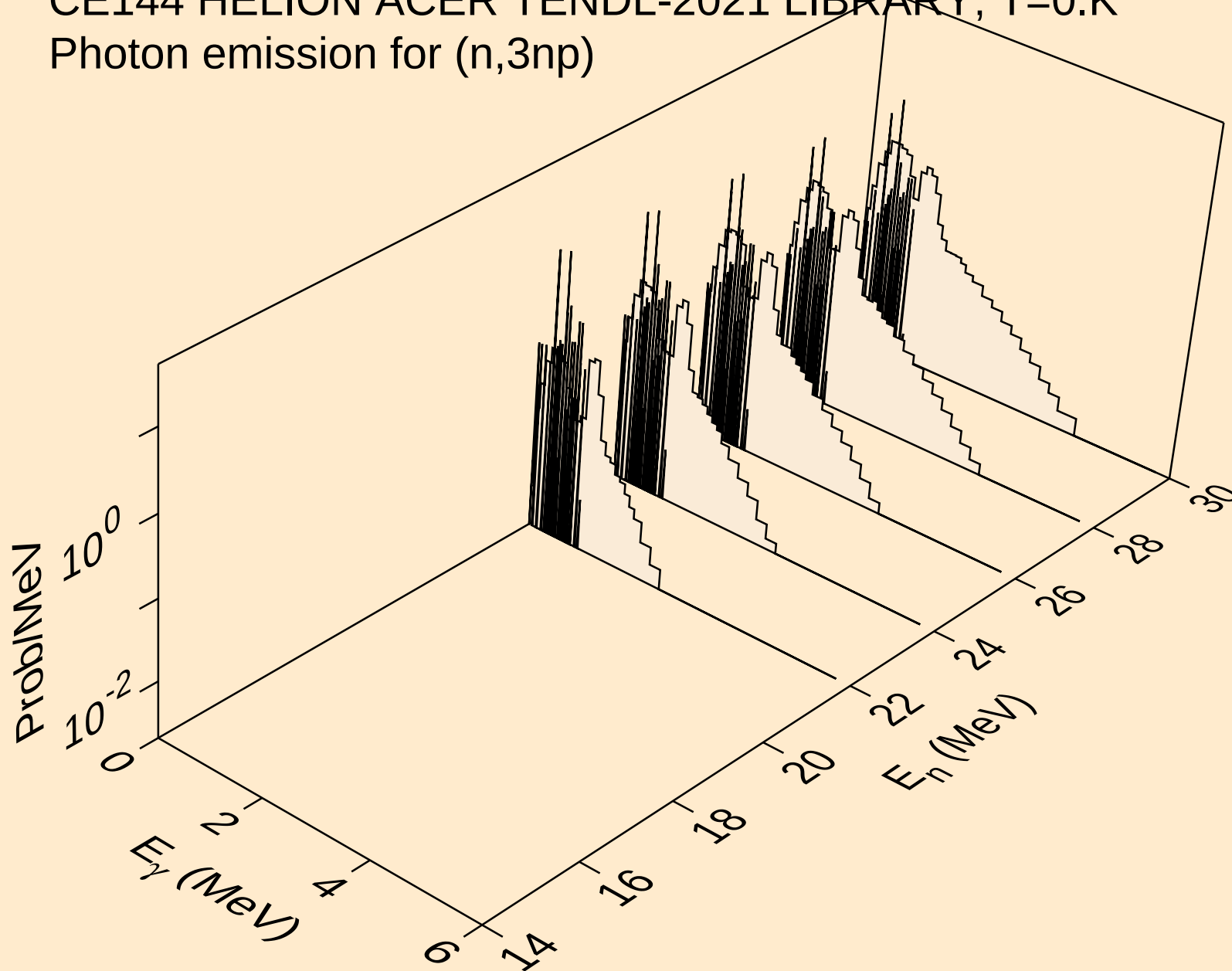
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,4n)



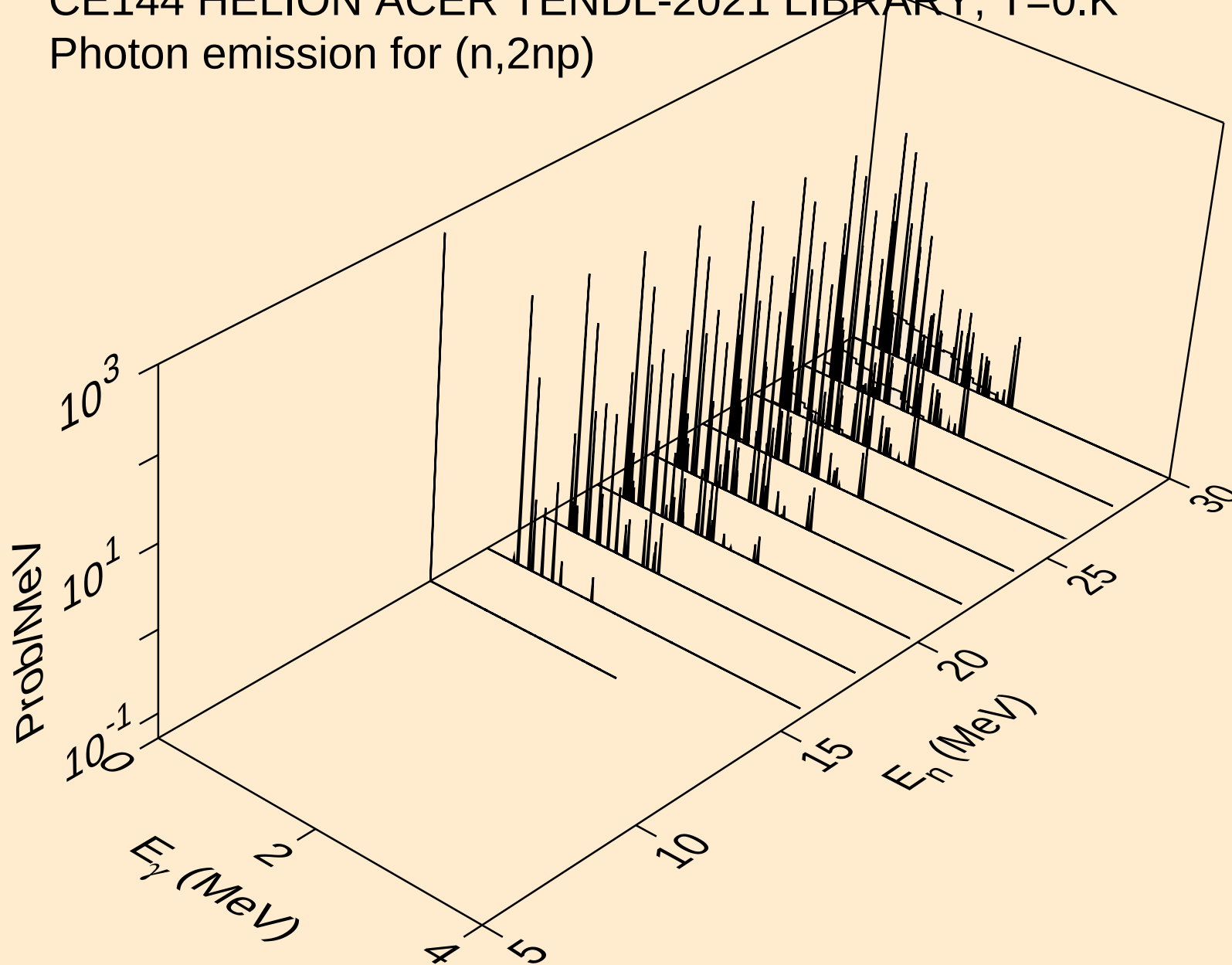
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Photon emission for (n,2np)



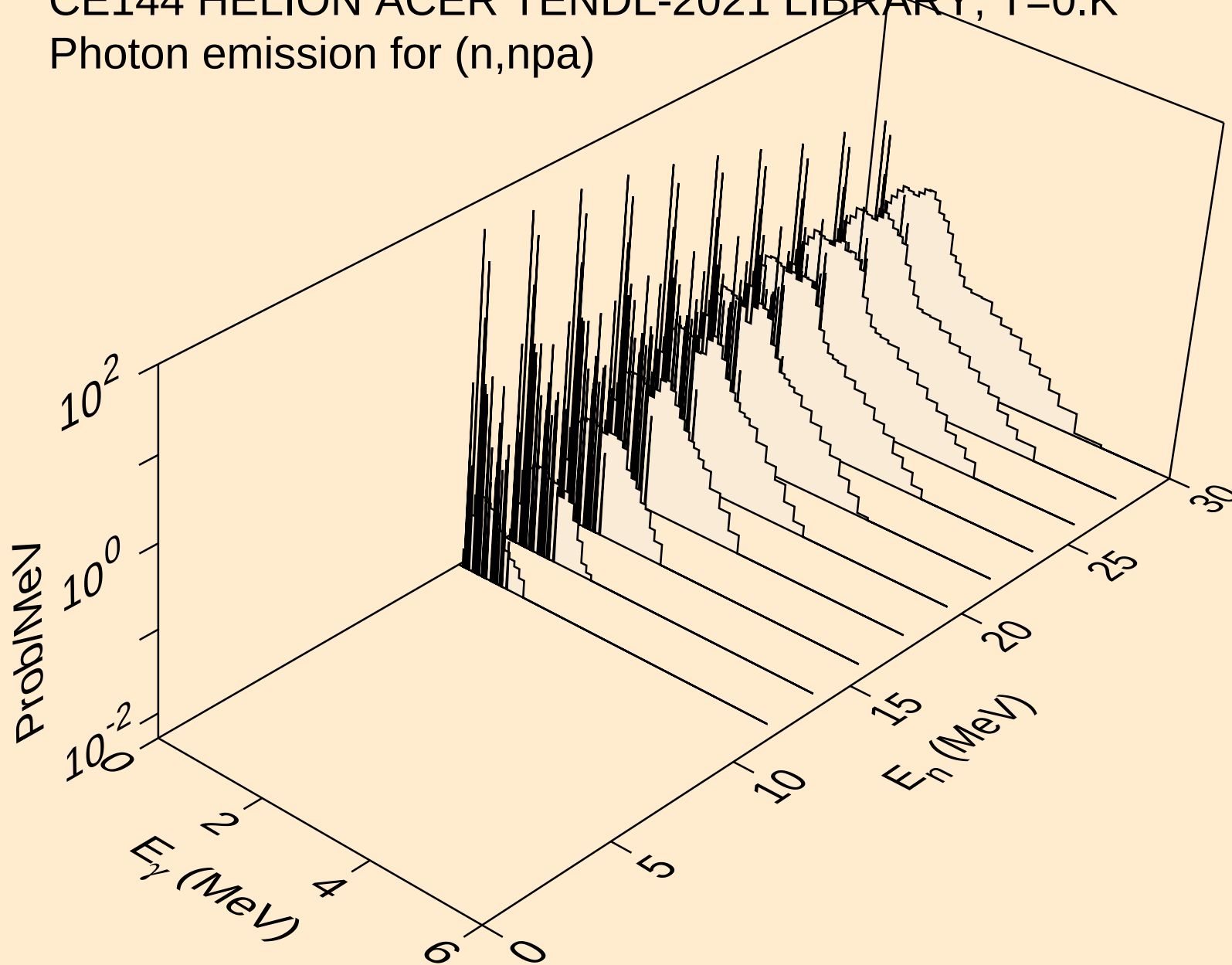
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Photon emission for (n,3np)



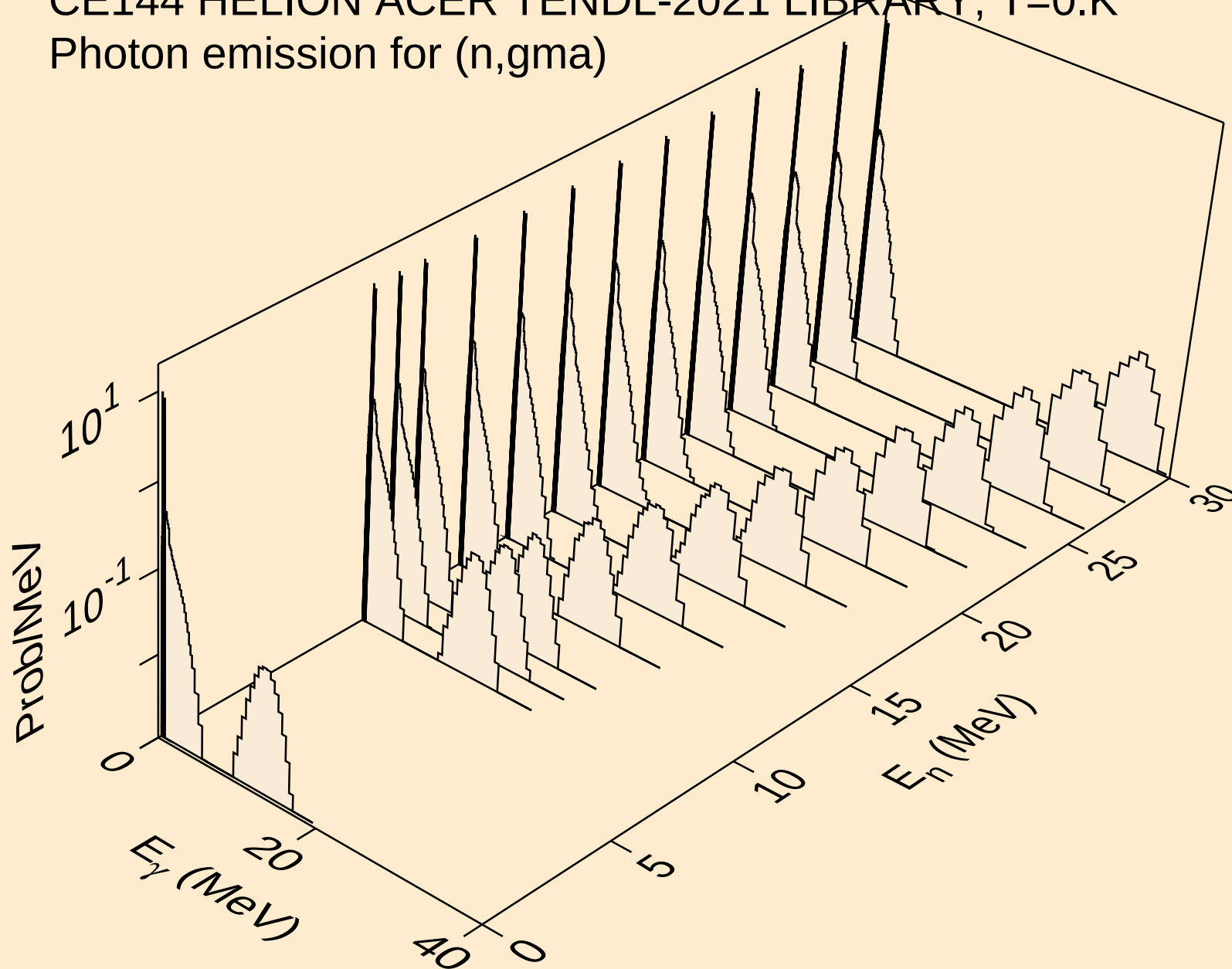
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



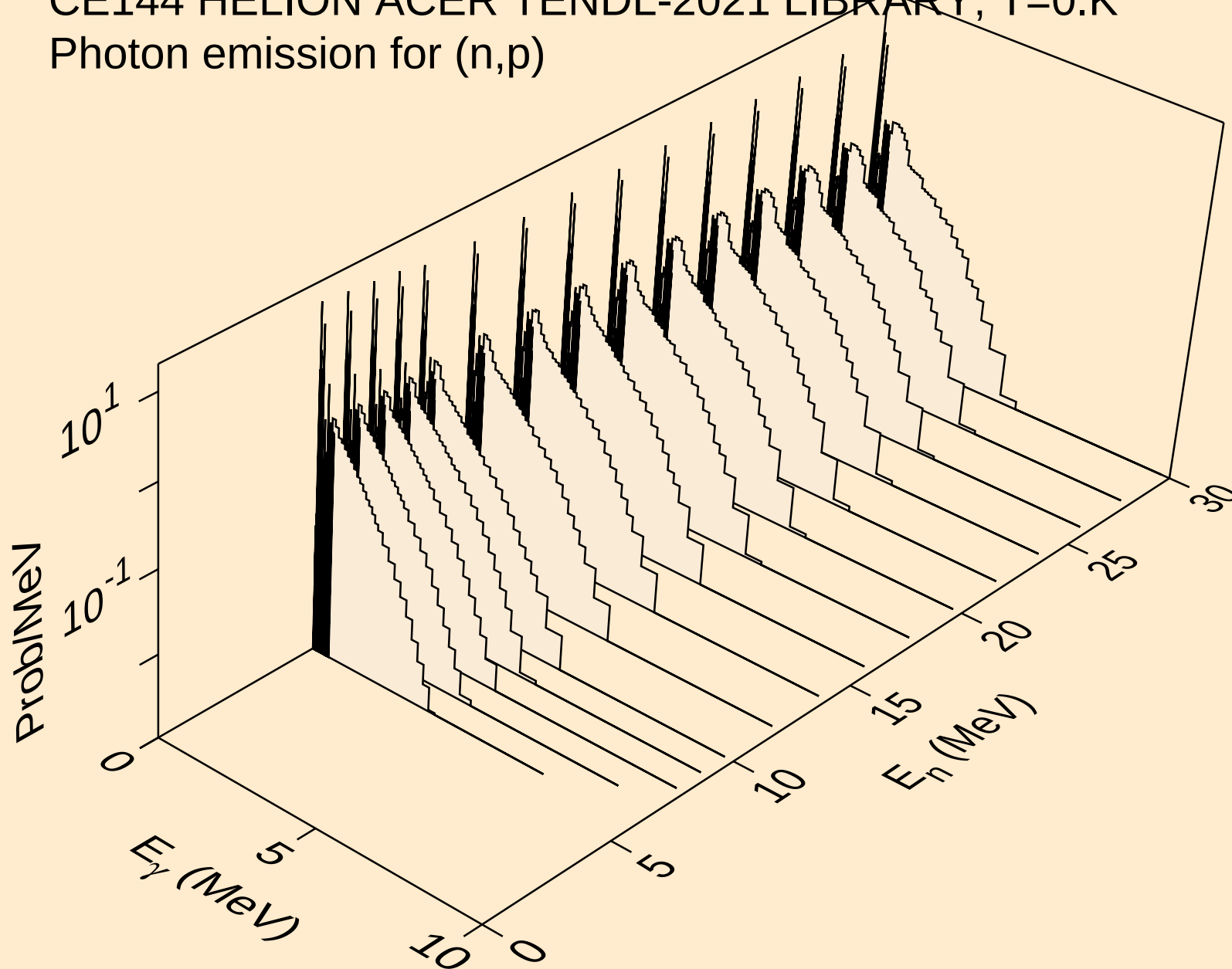
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,npa)



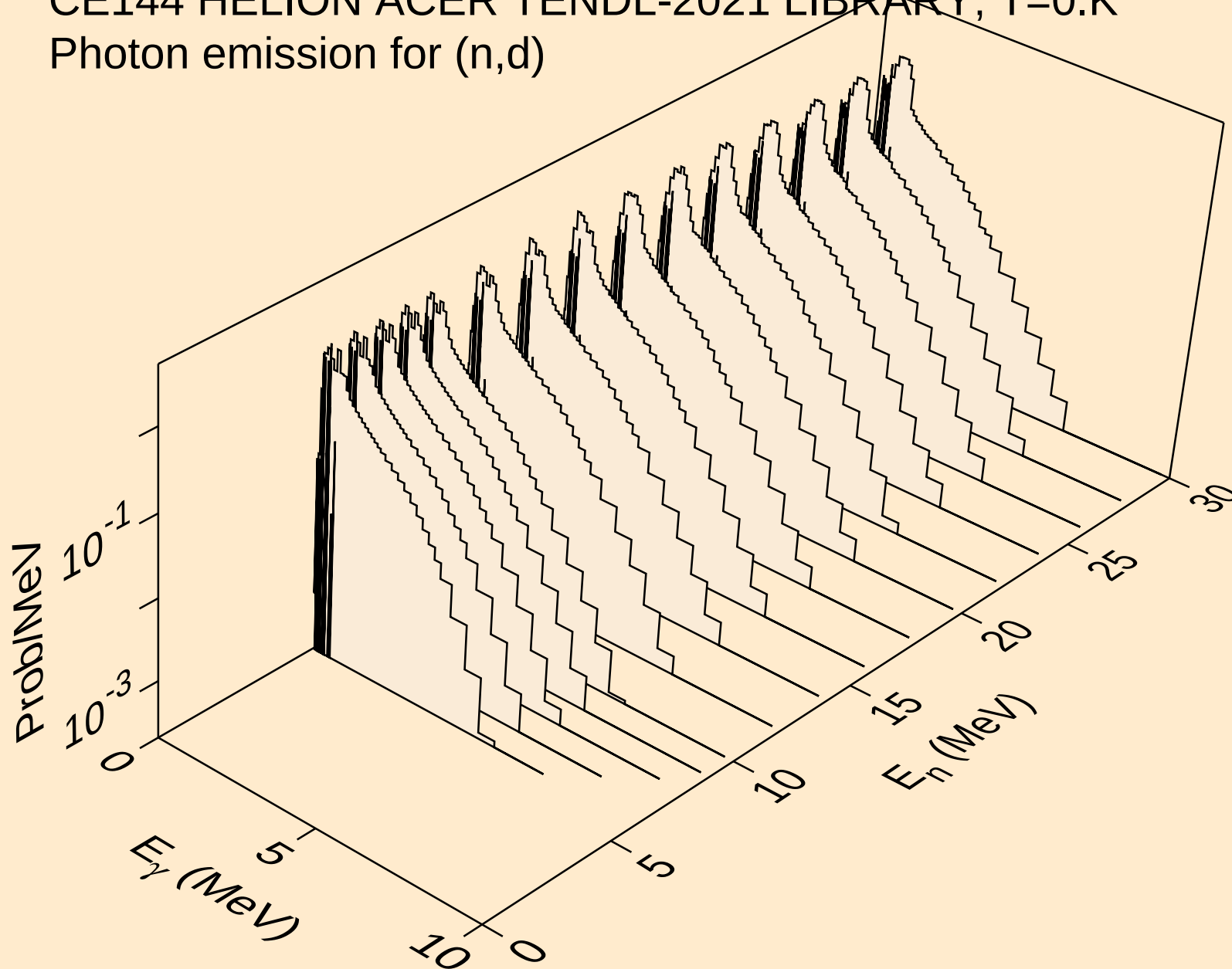
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,gma)



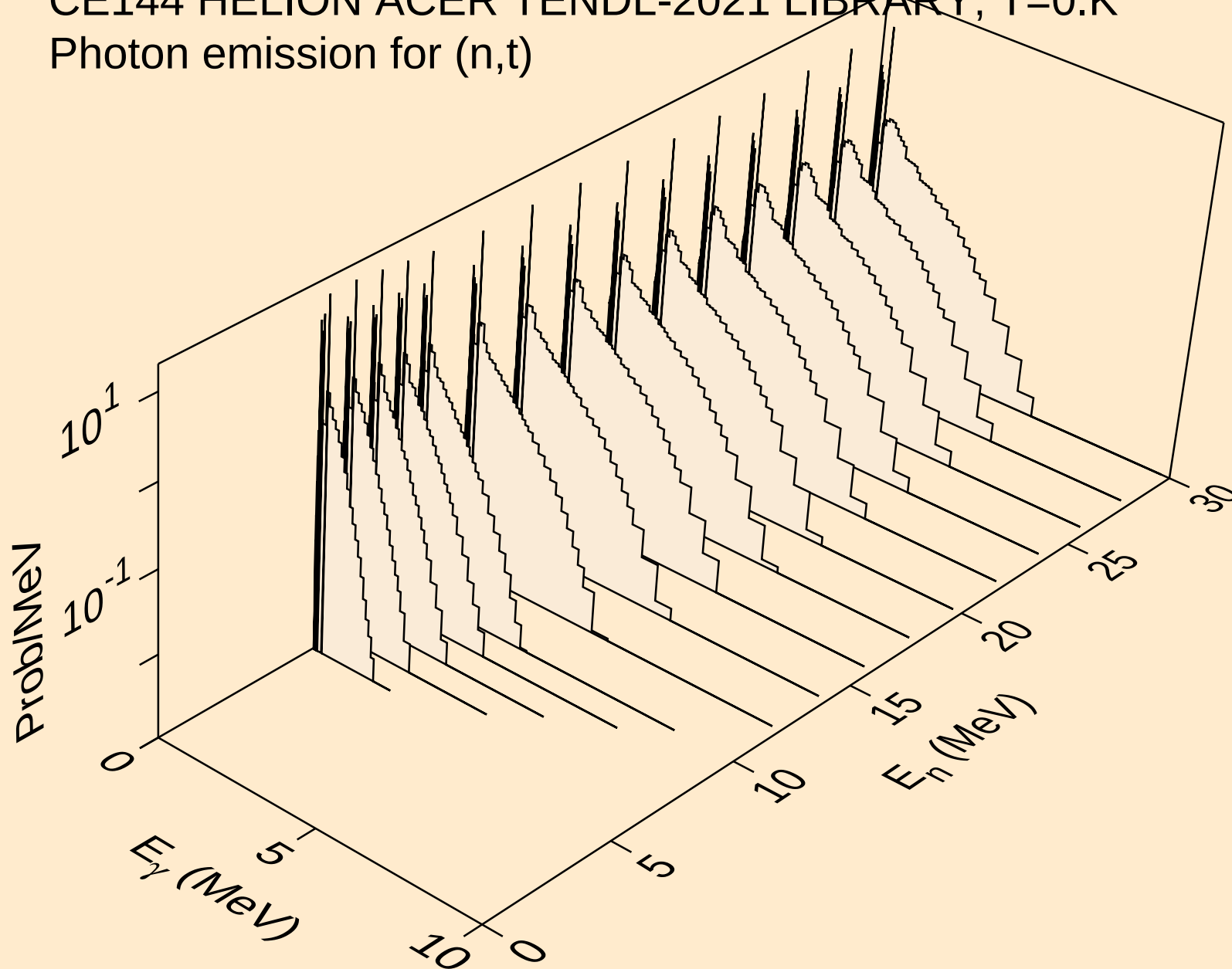
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,p)



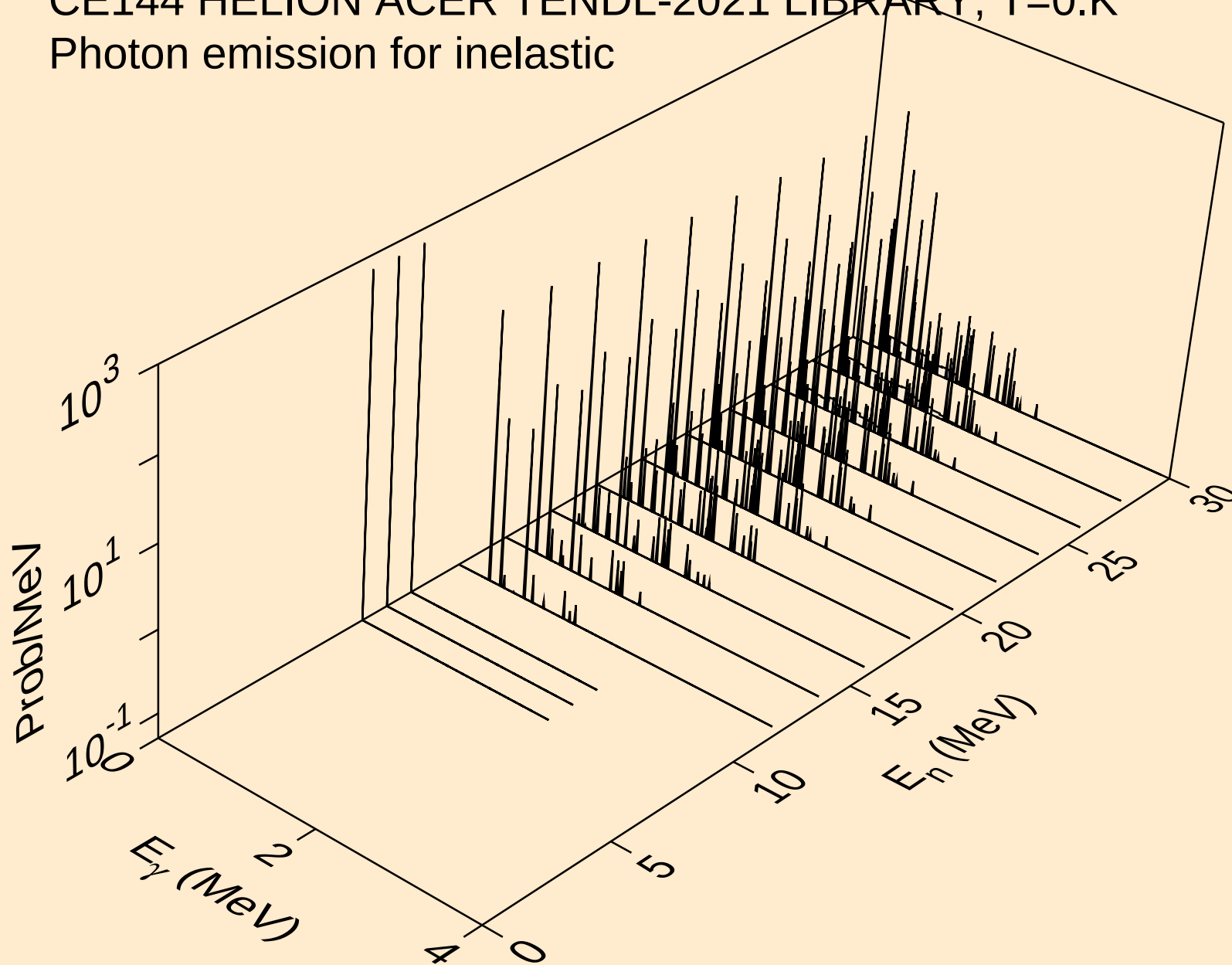
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,d)



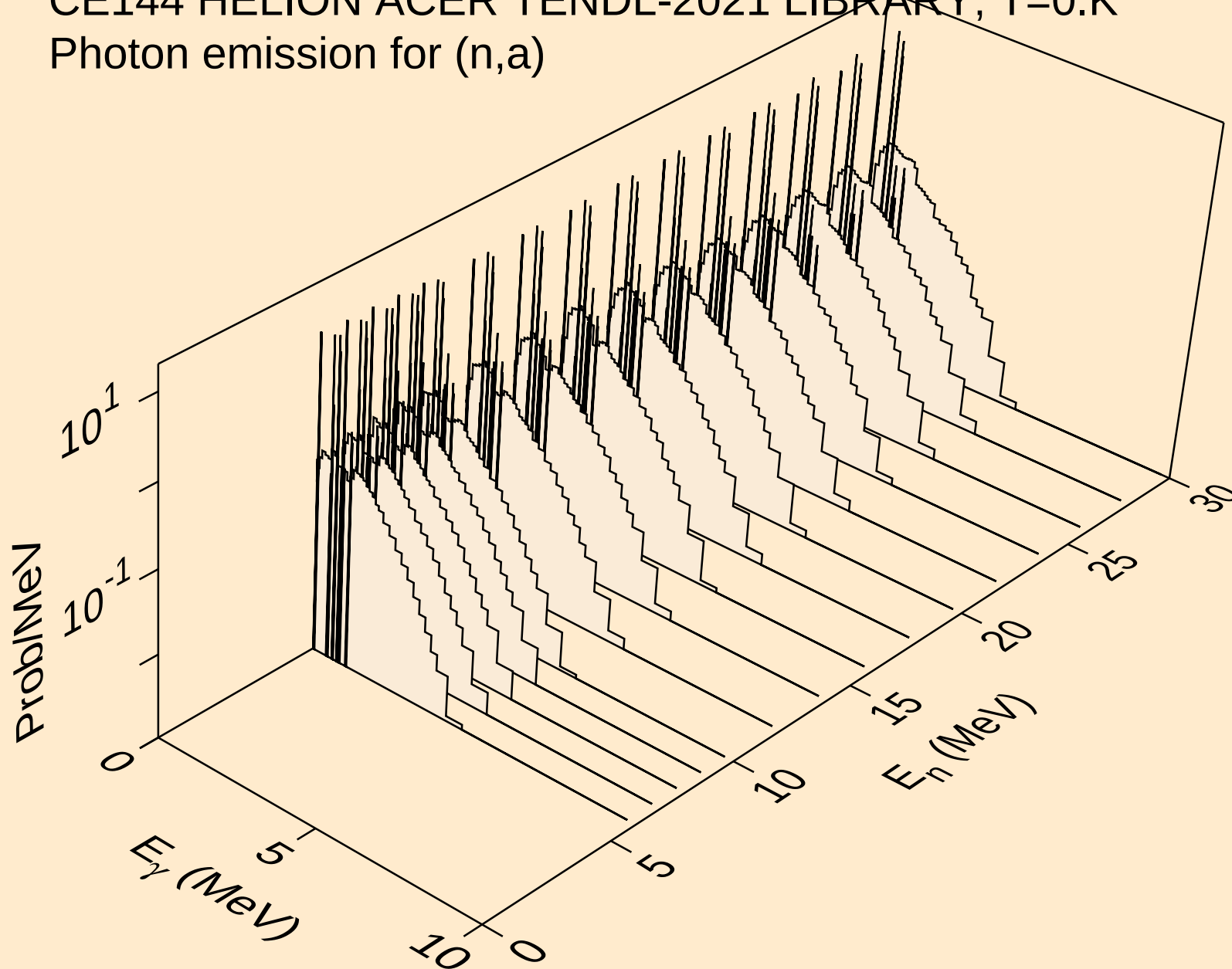
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,t)



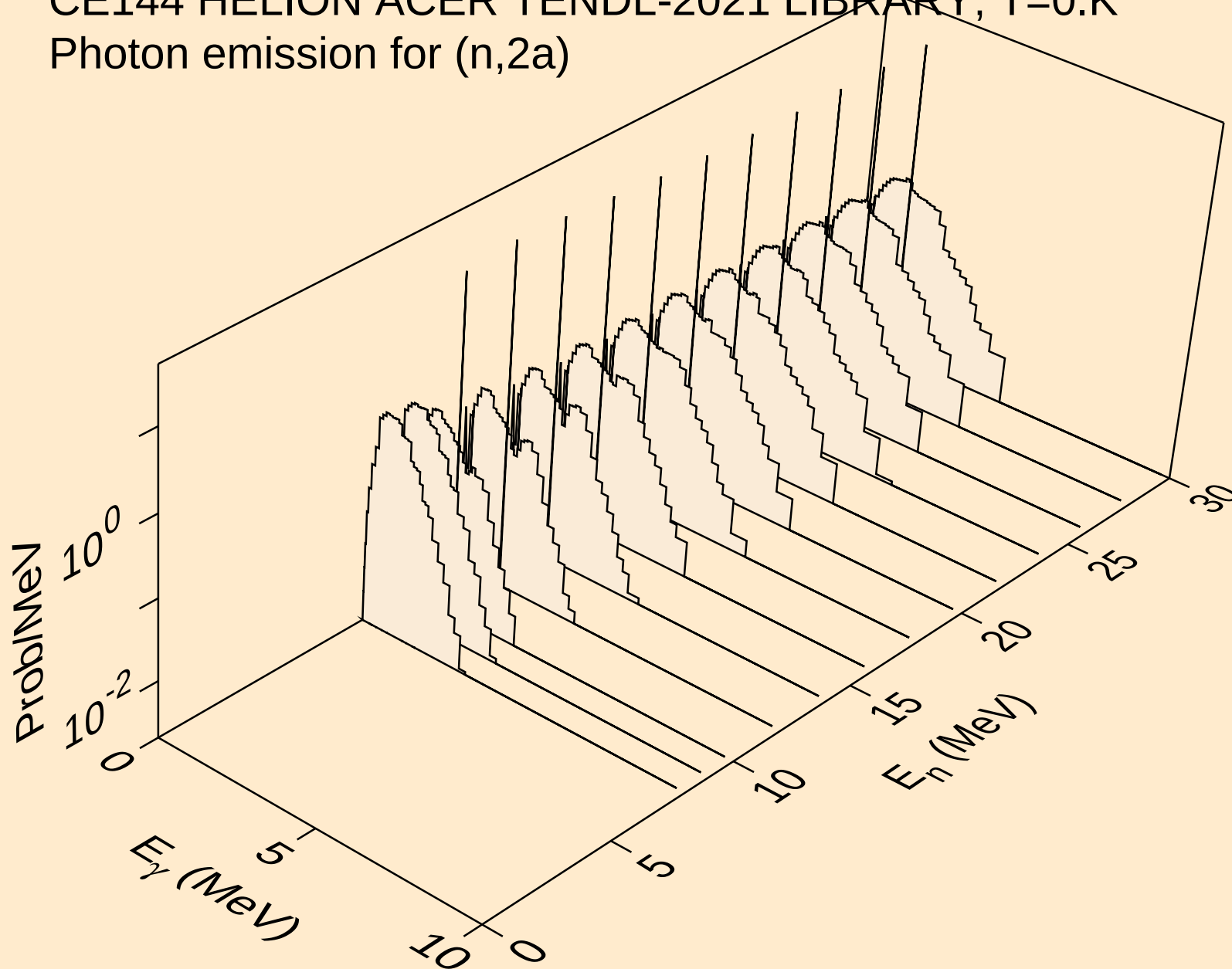
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



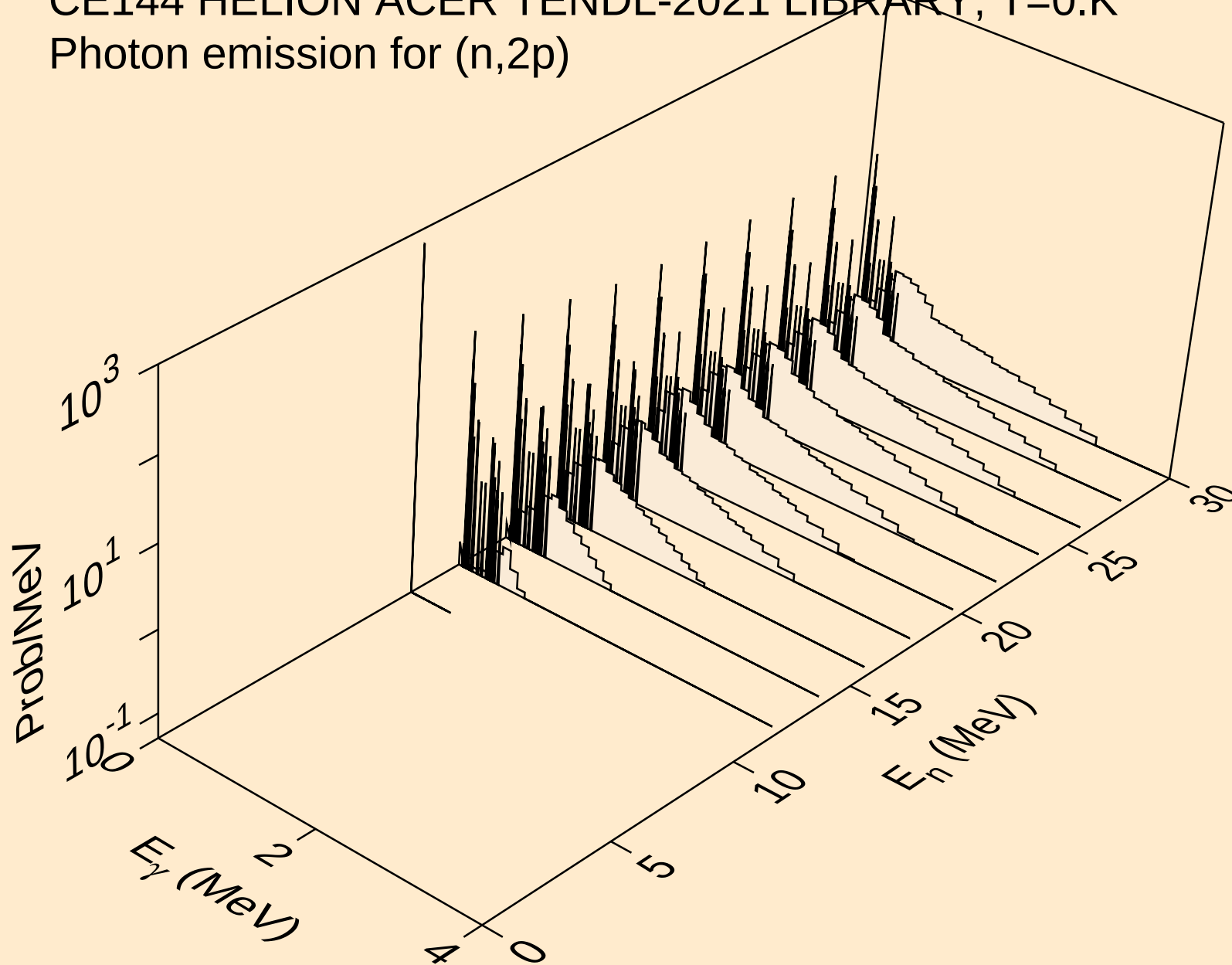
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,a)



CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2a)

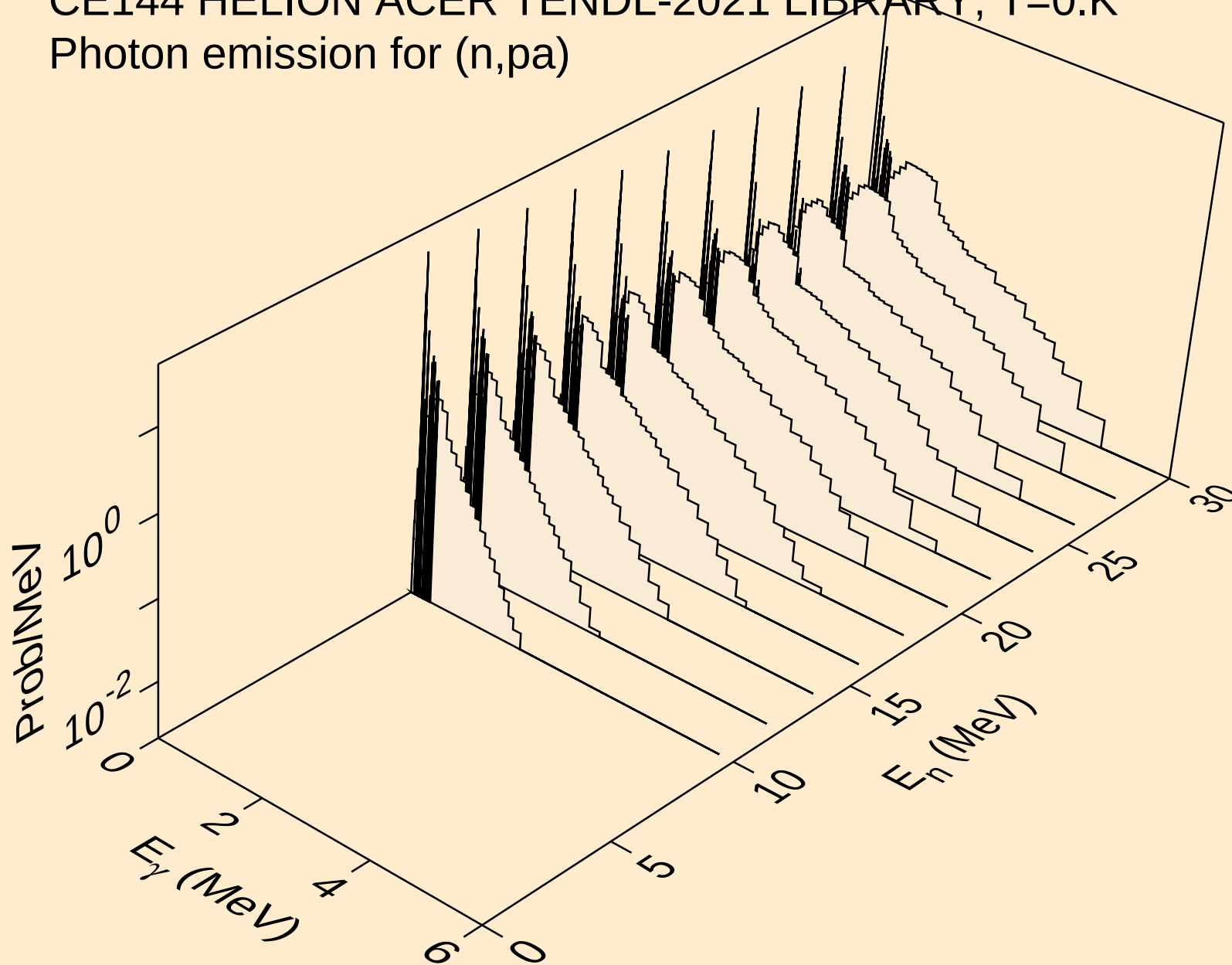


CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)

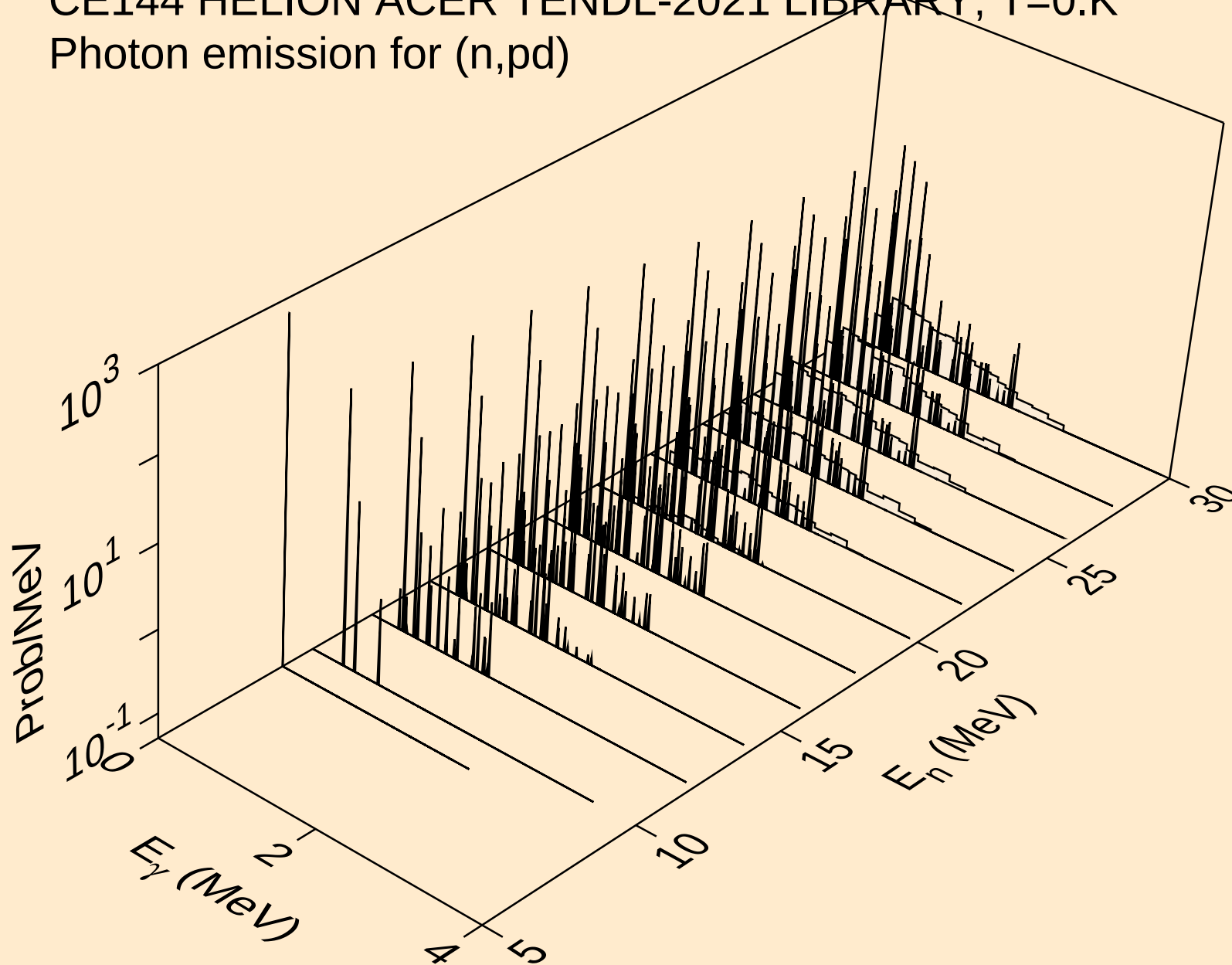


CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K

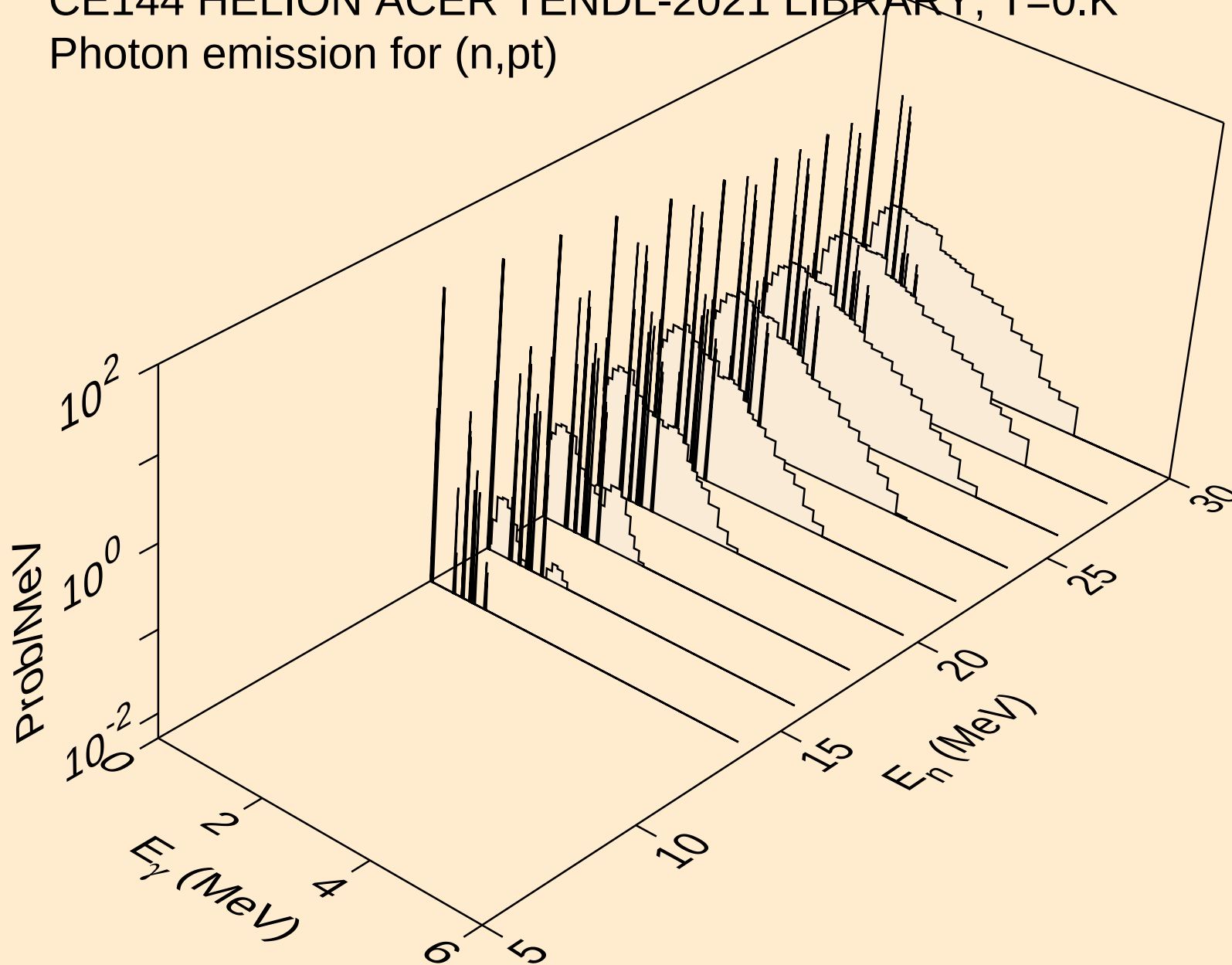
Photon emission for (n,p $\alpha$ )



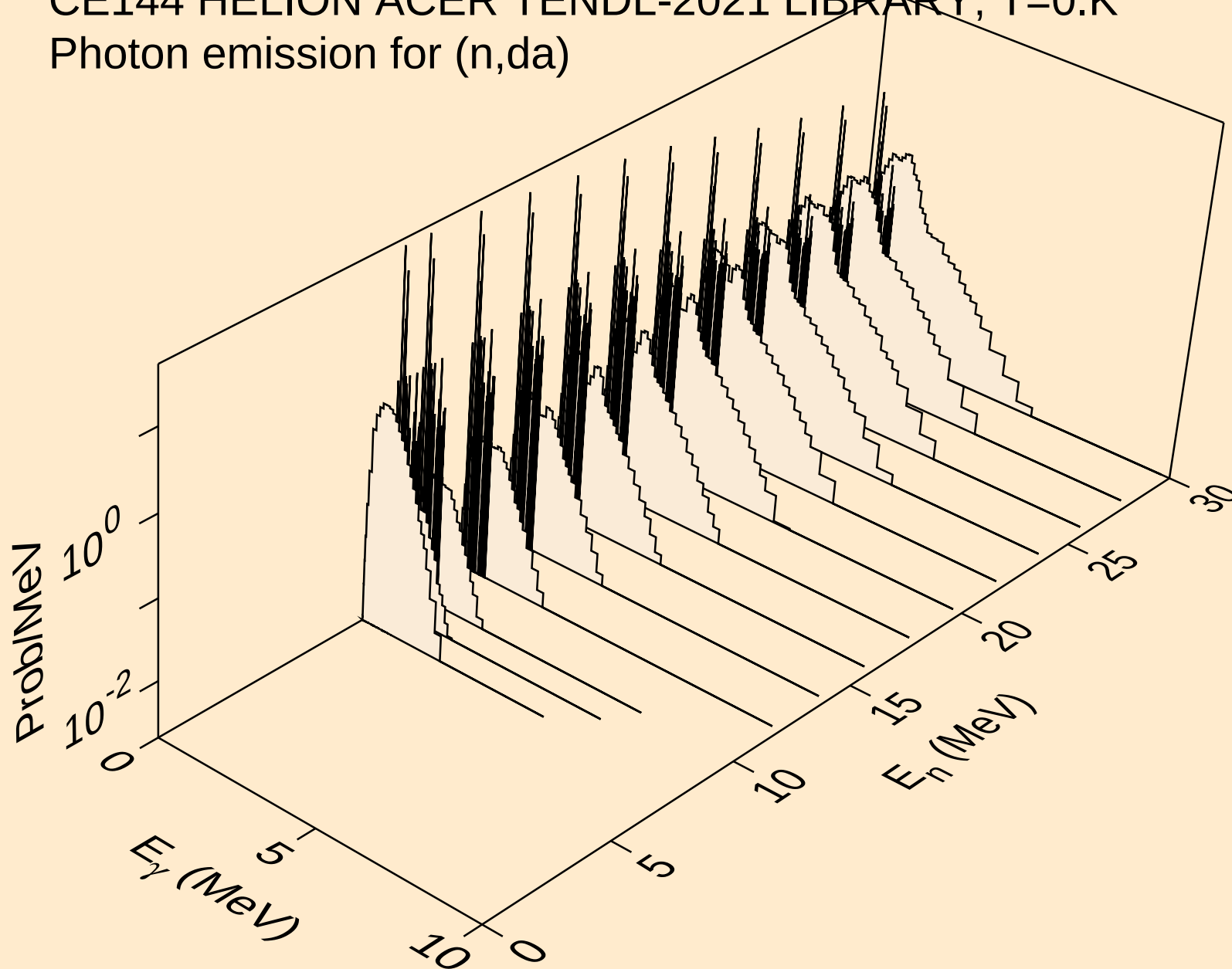
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)



CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)

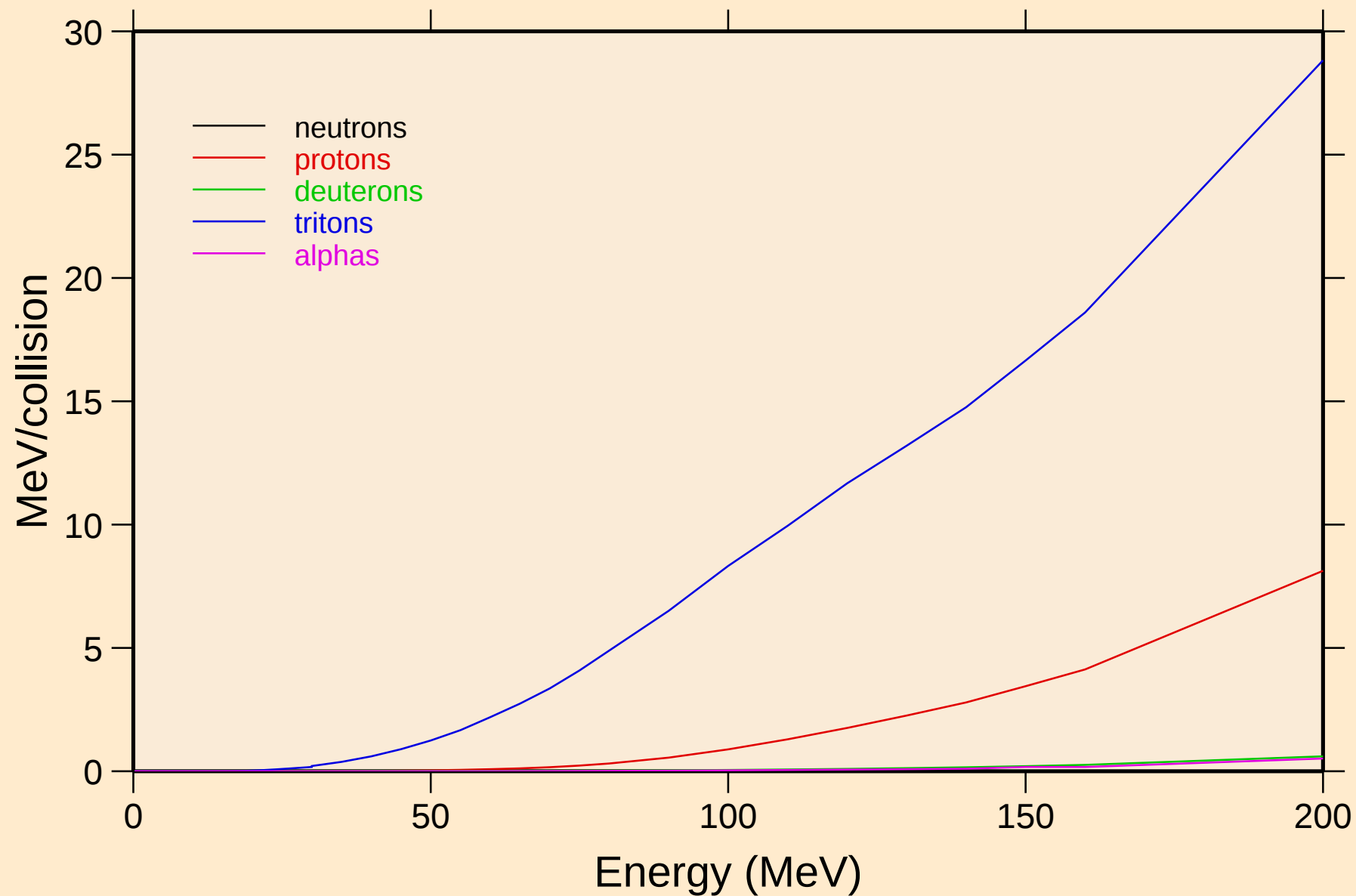


CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,da)



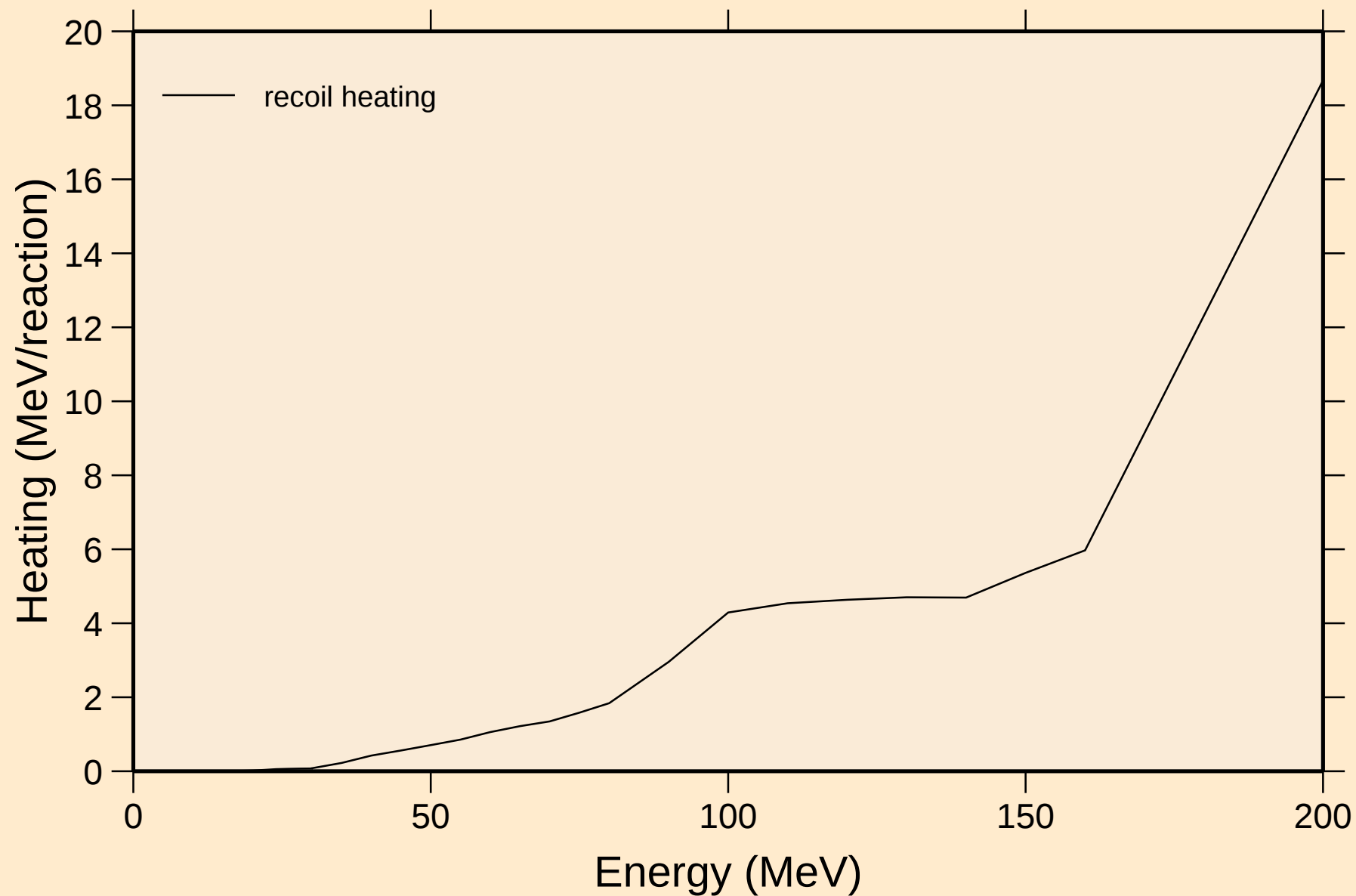
# CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Particle heating contributions



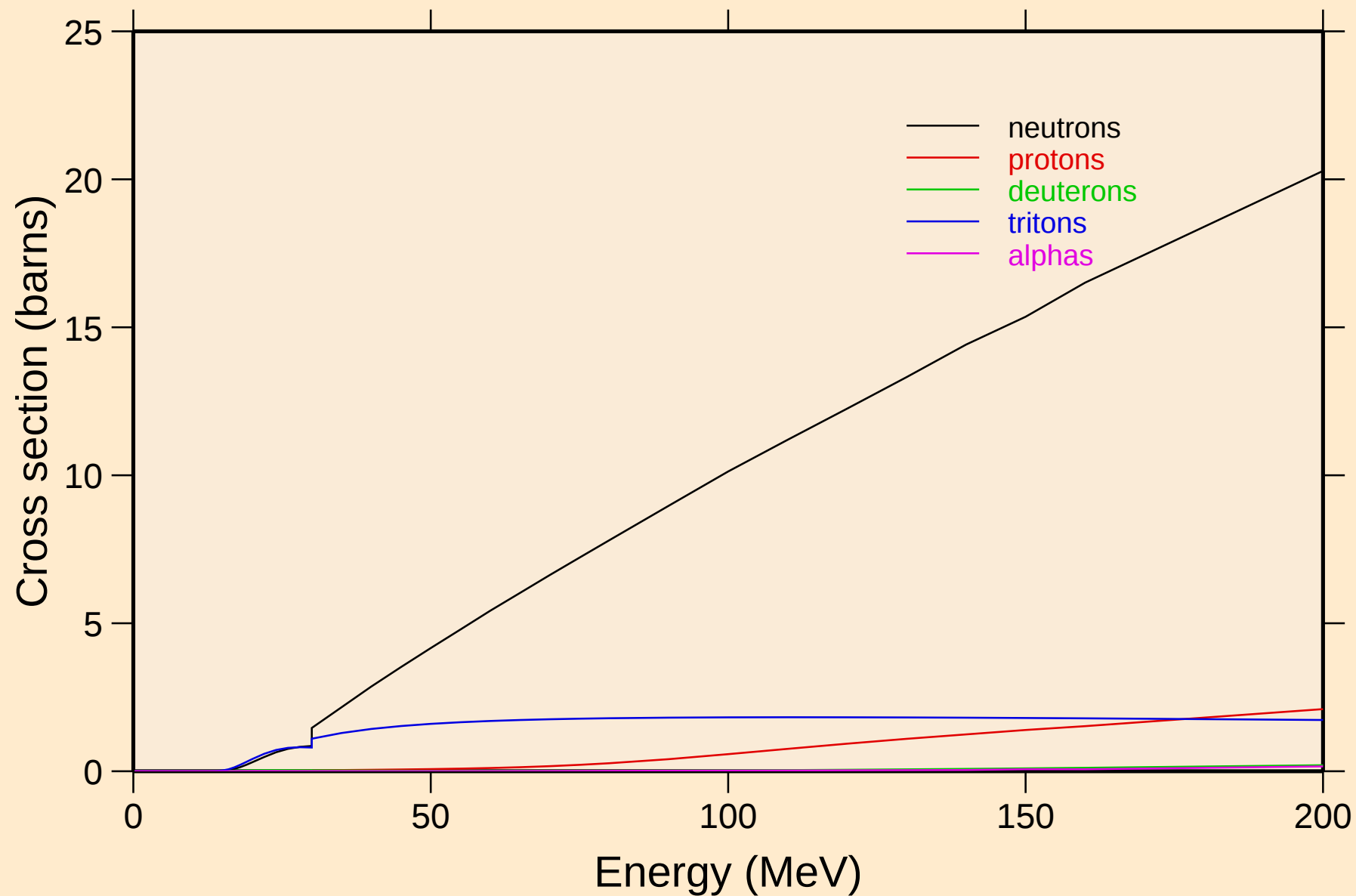
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K

Recoil Heating

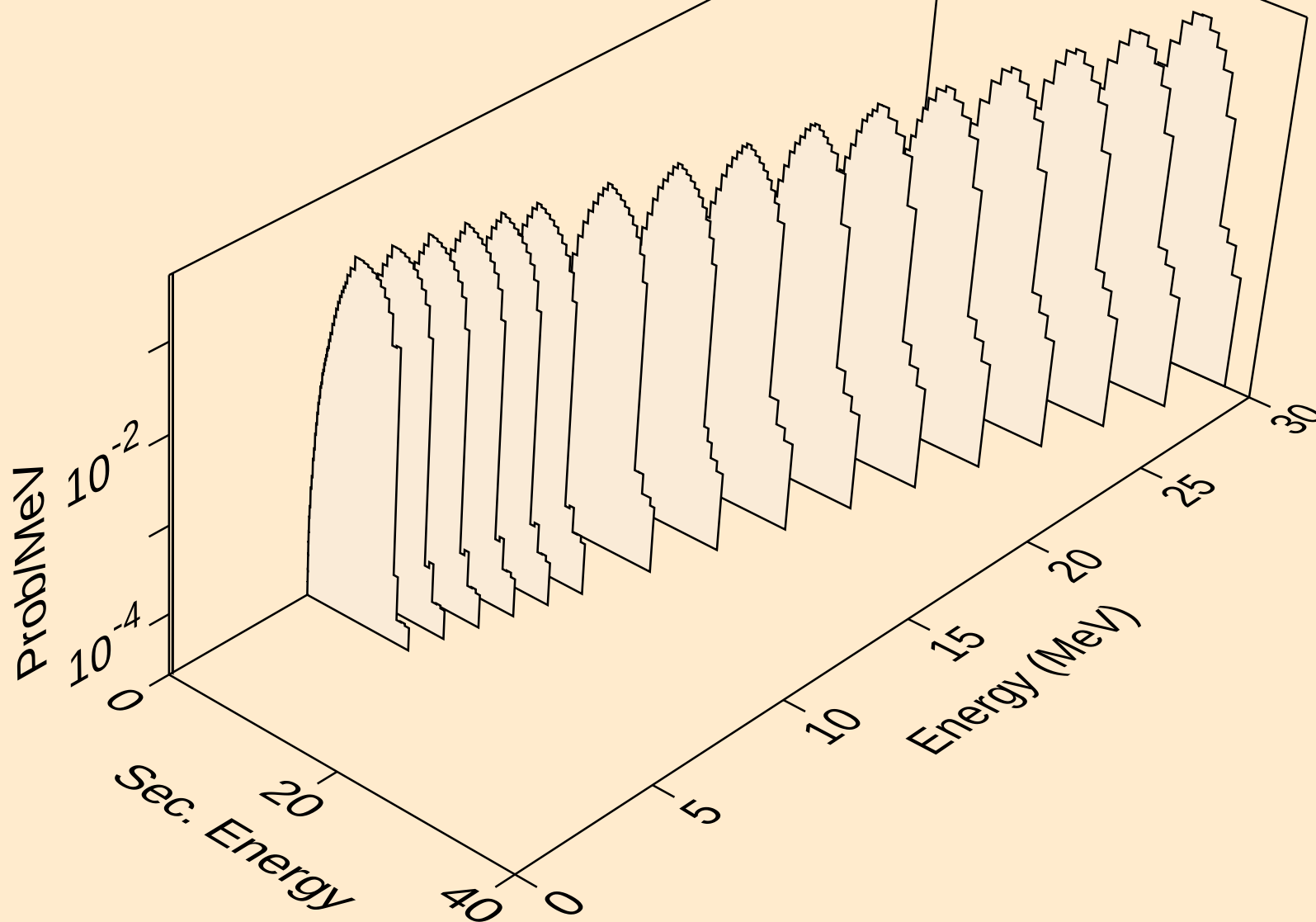


# CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K

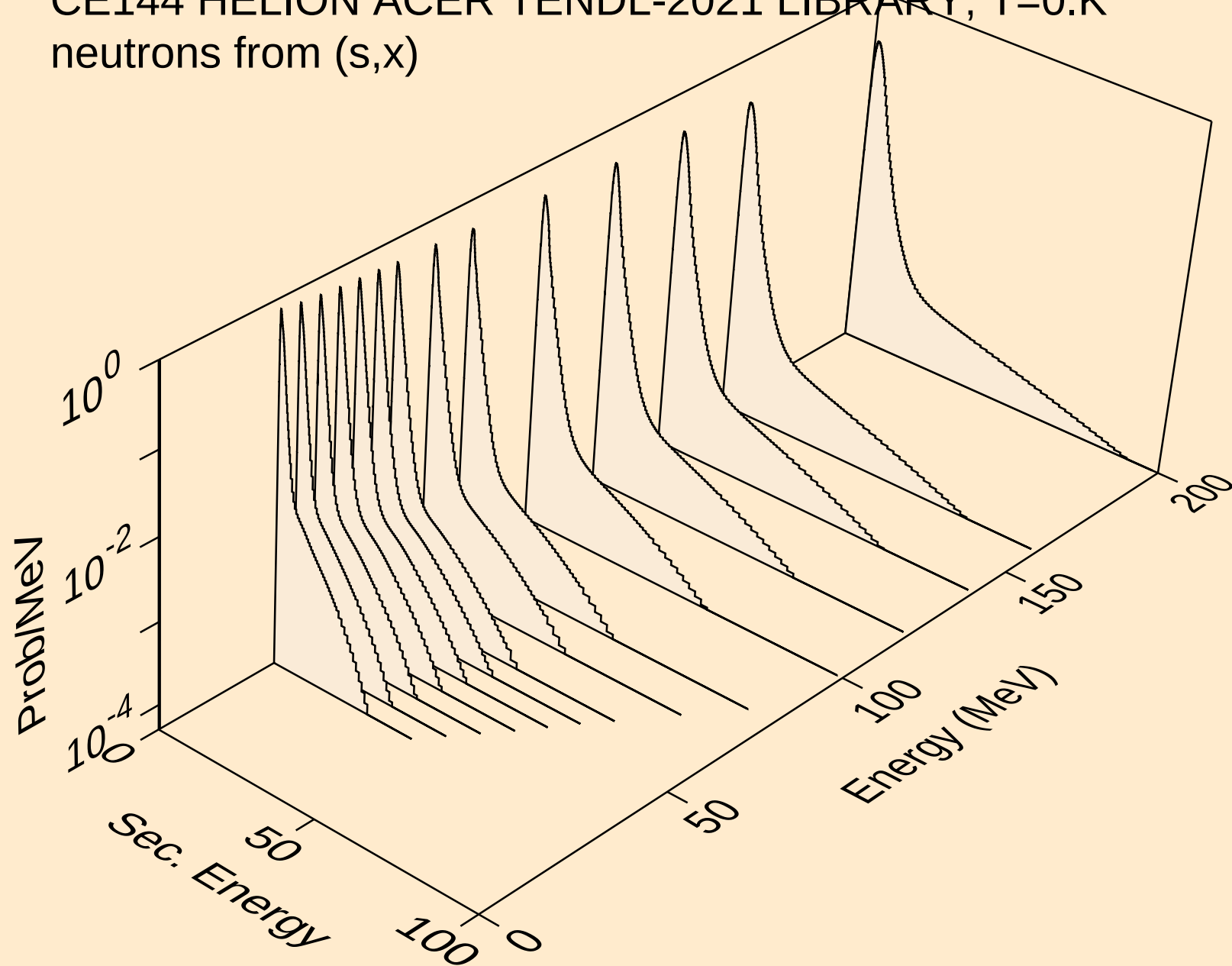
## Particle production cross sections



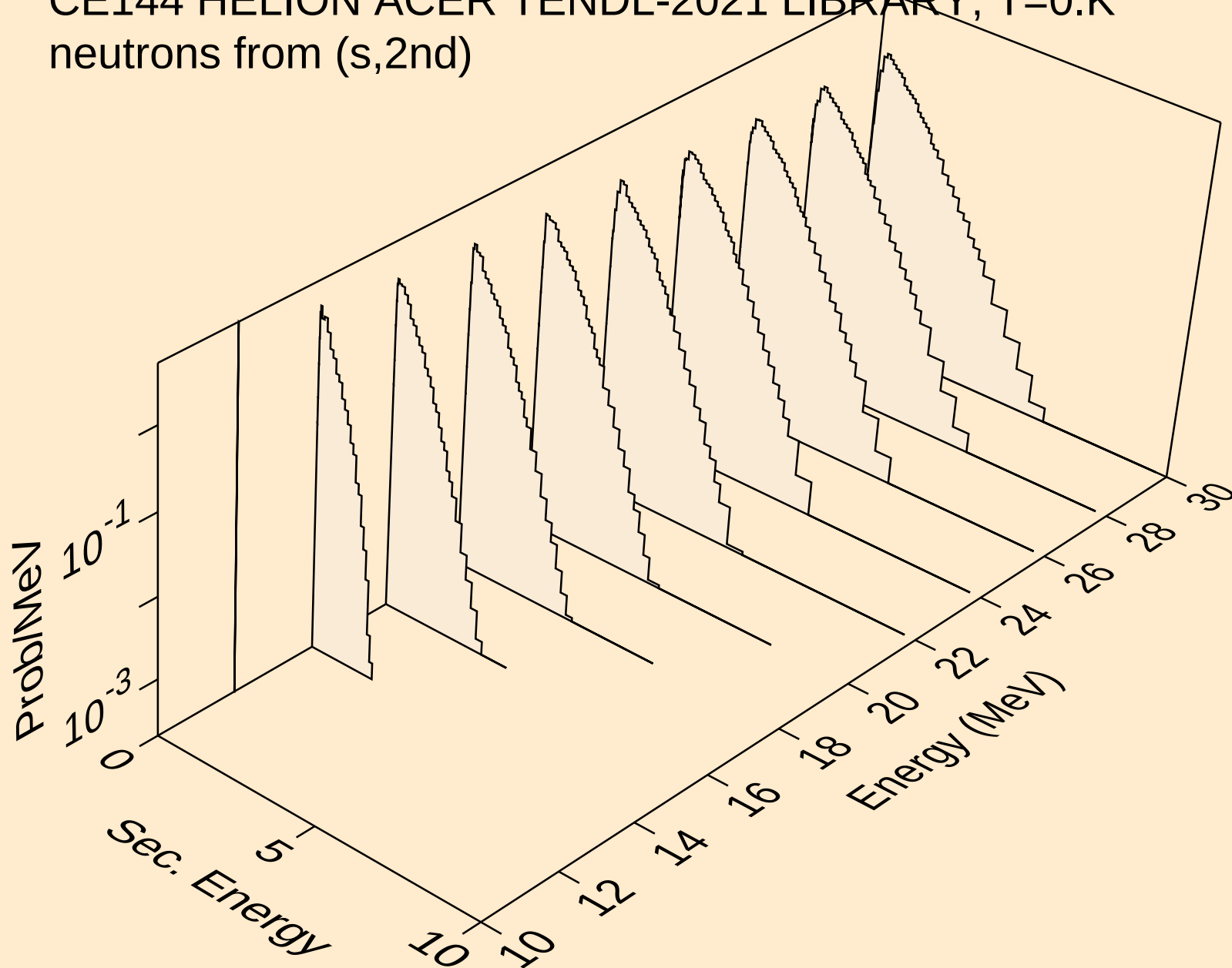
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n)



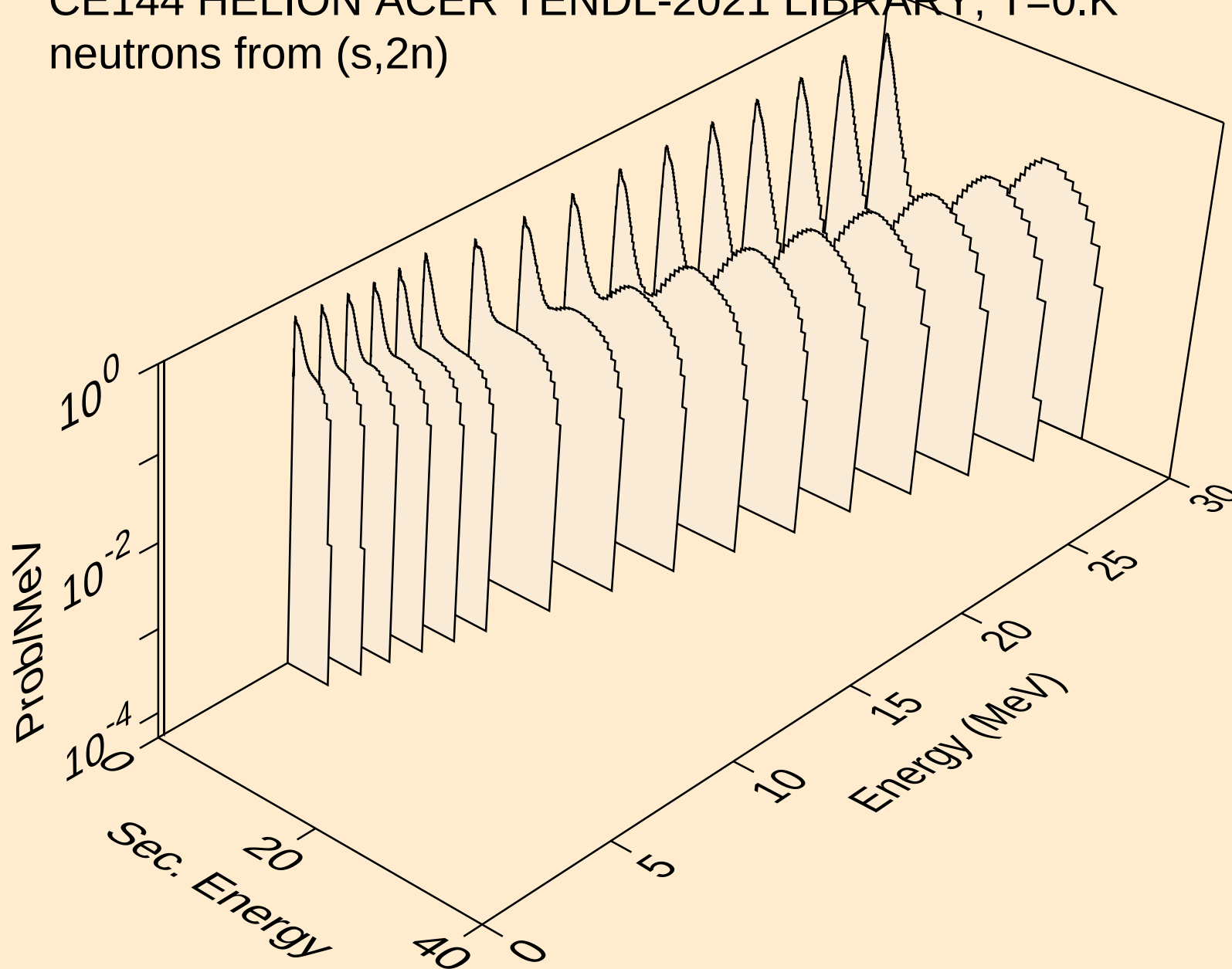
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,x)



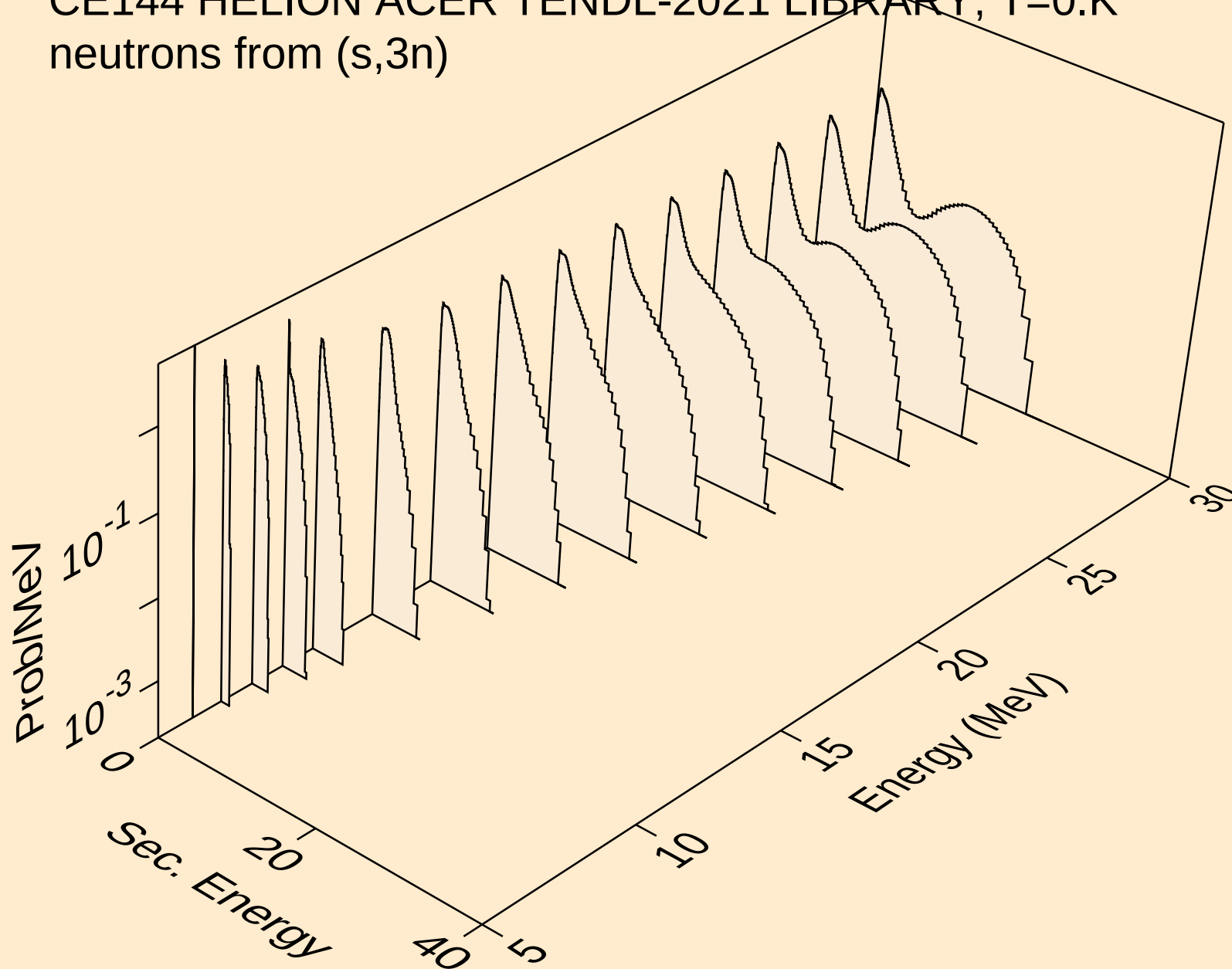
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neutrons from (s,2nd)



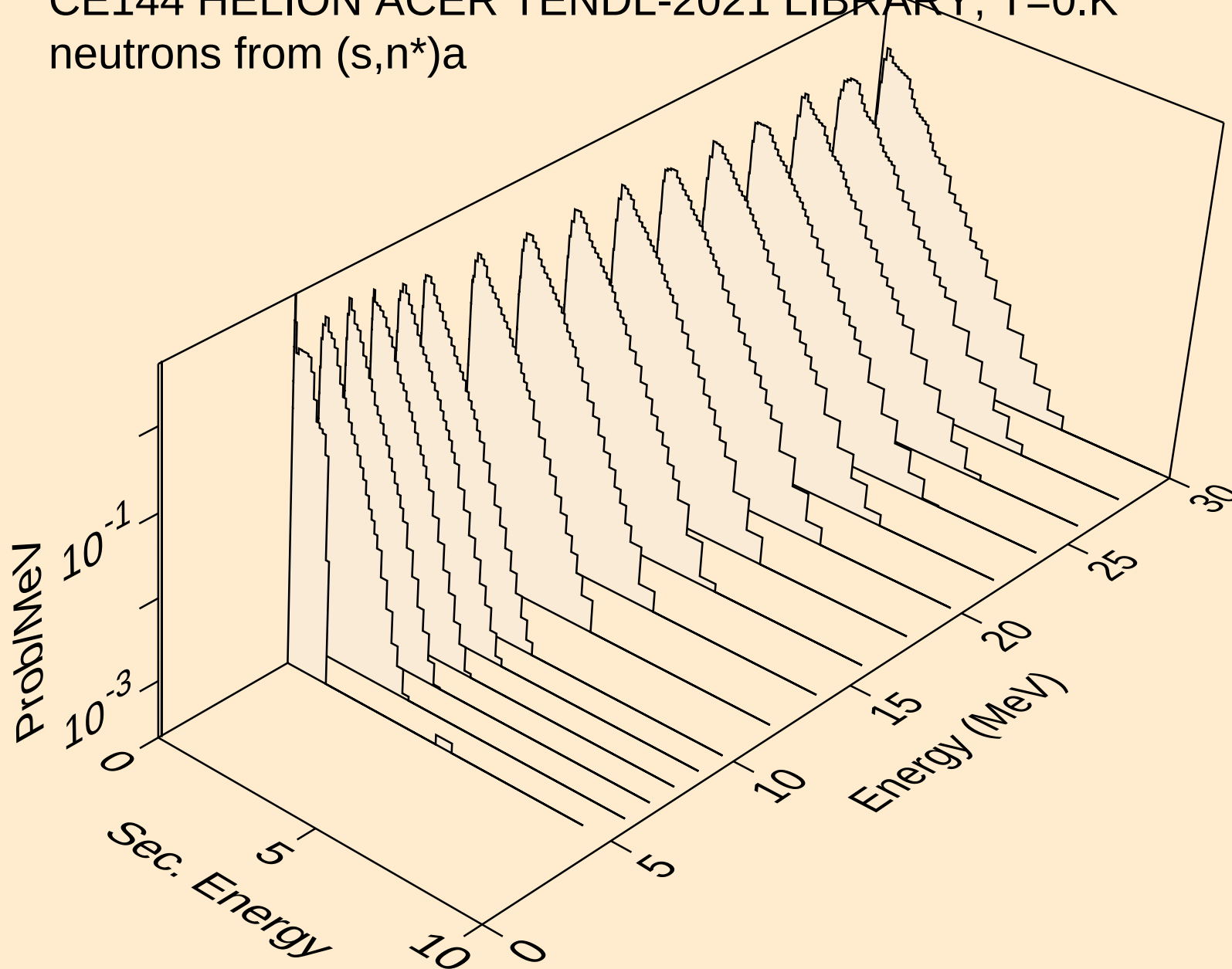
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2n)



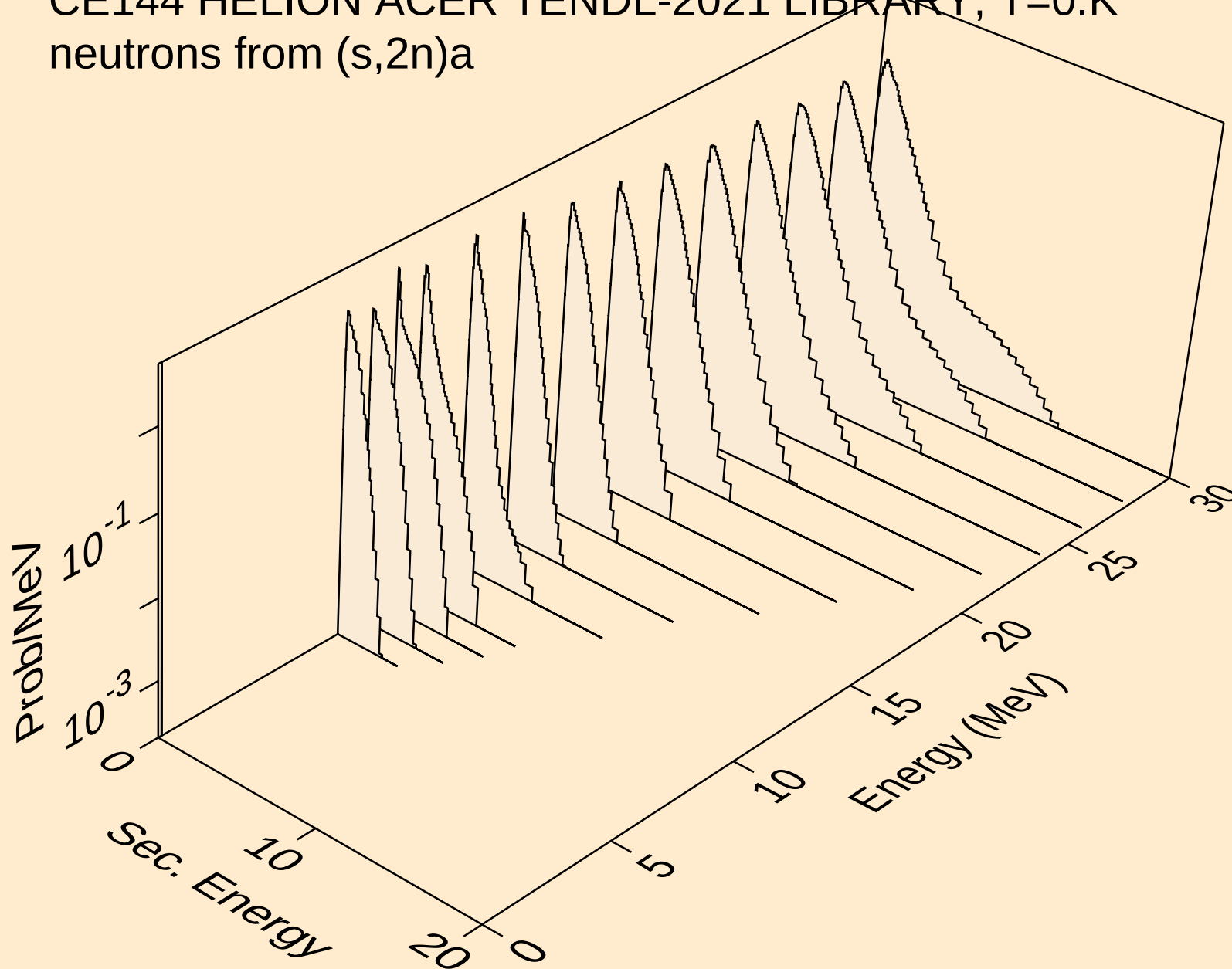
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,3n)



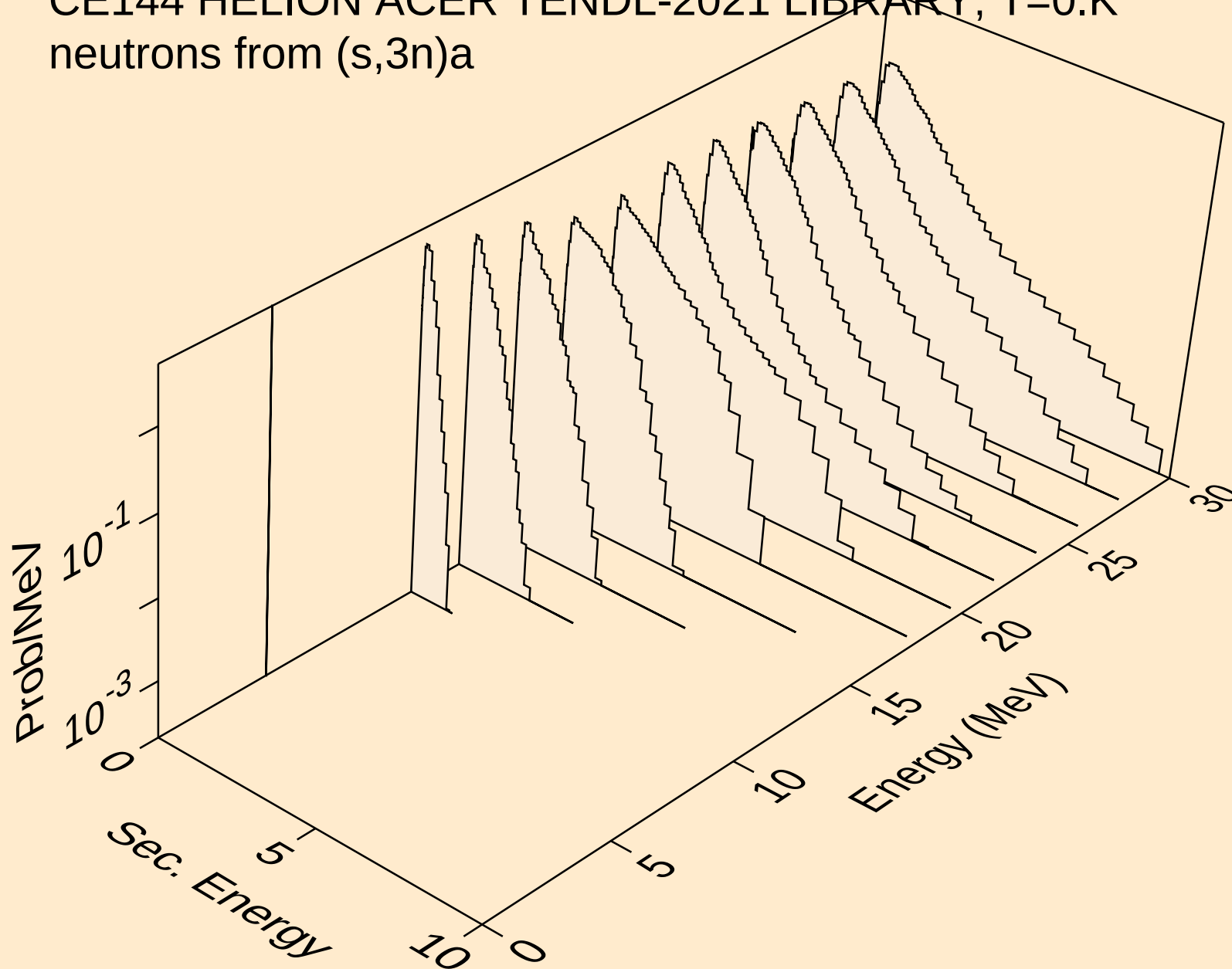
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)a



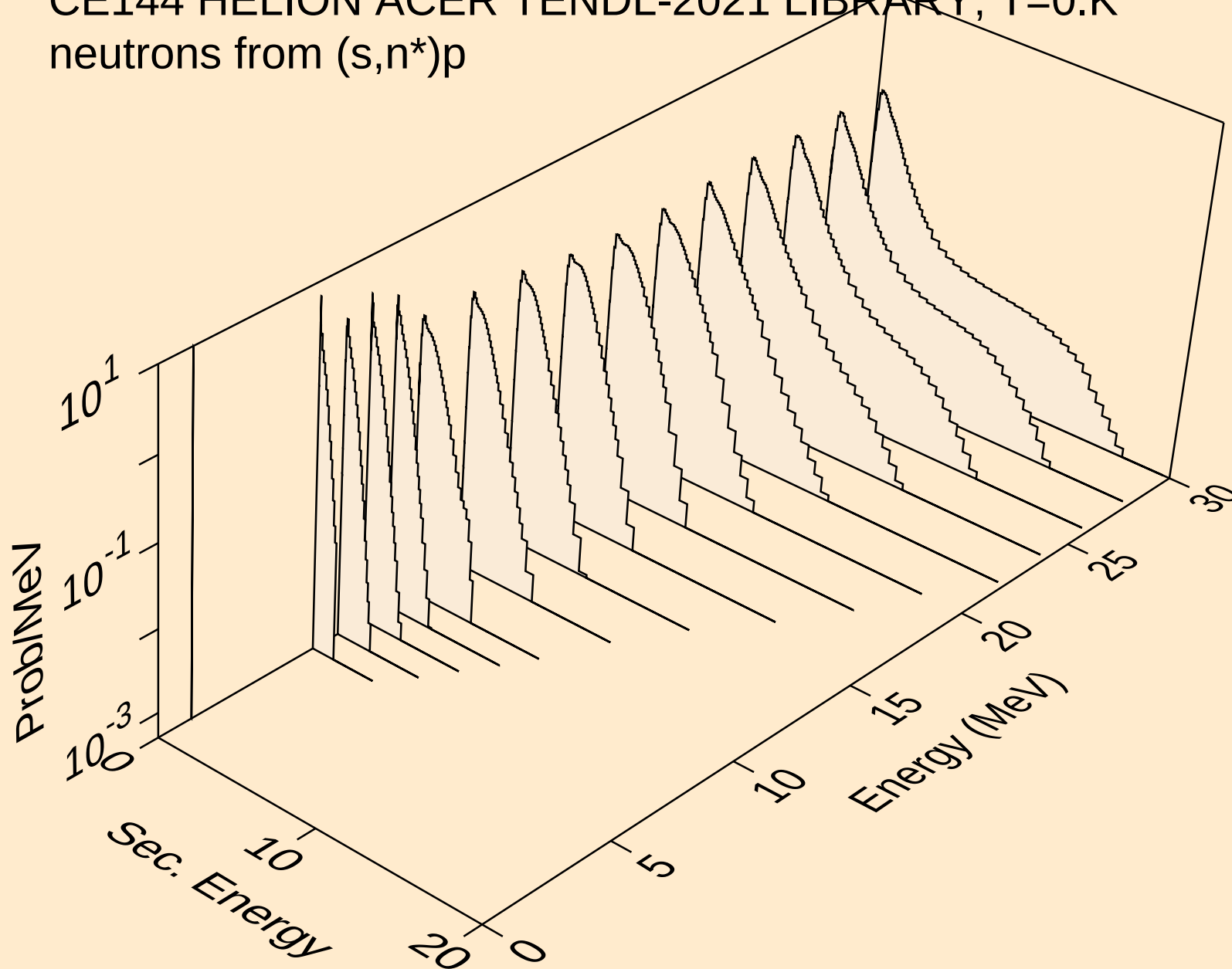
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2n)a



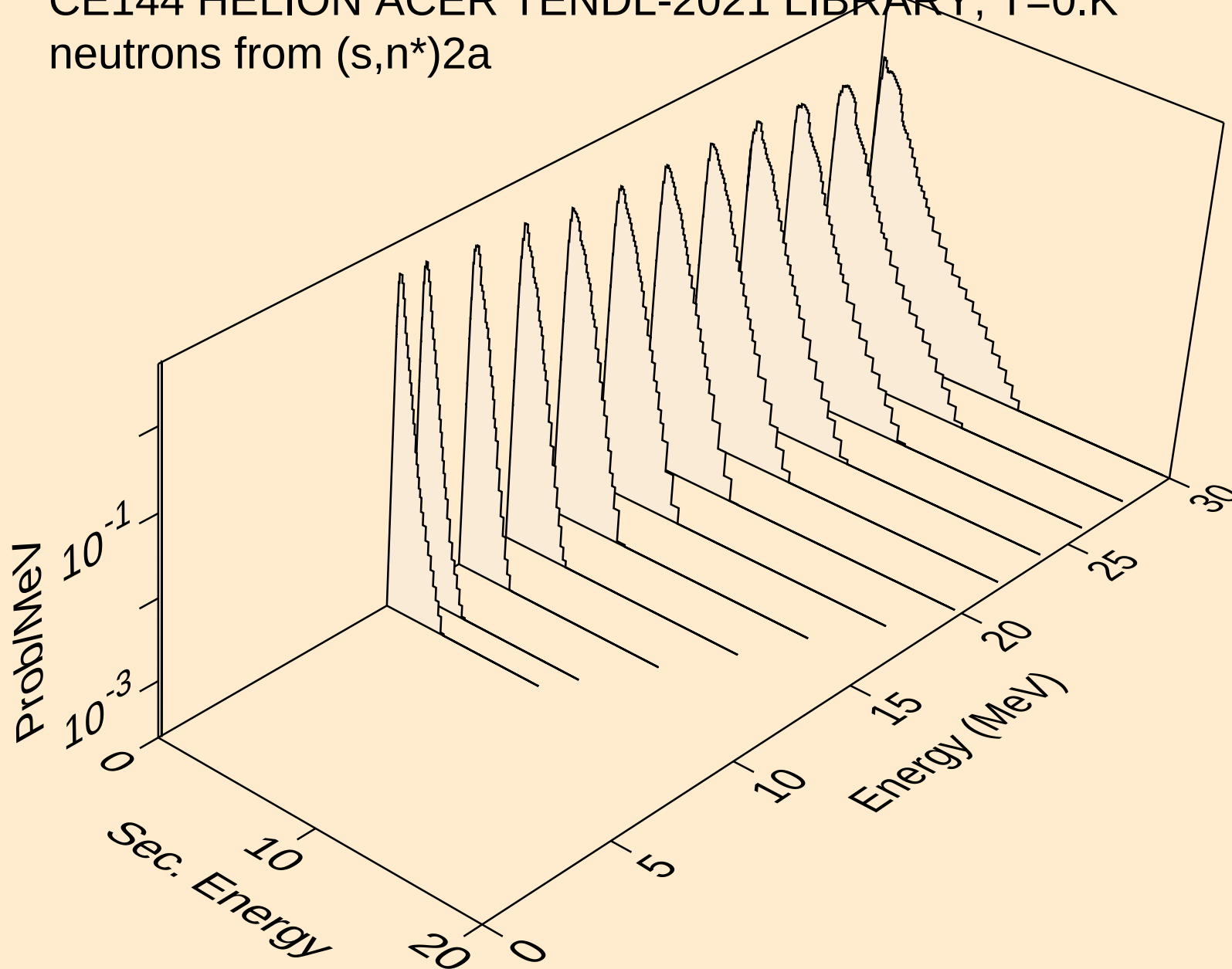
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neutrons from (s,3n)a



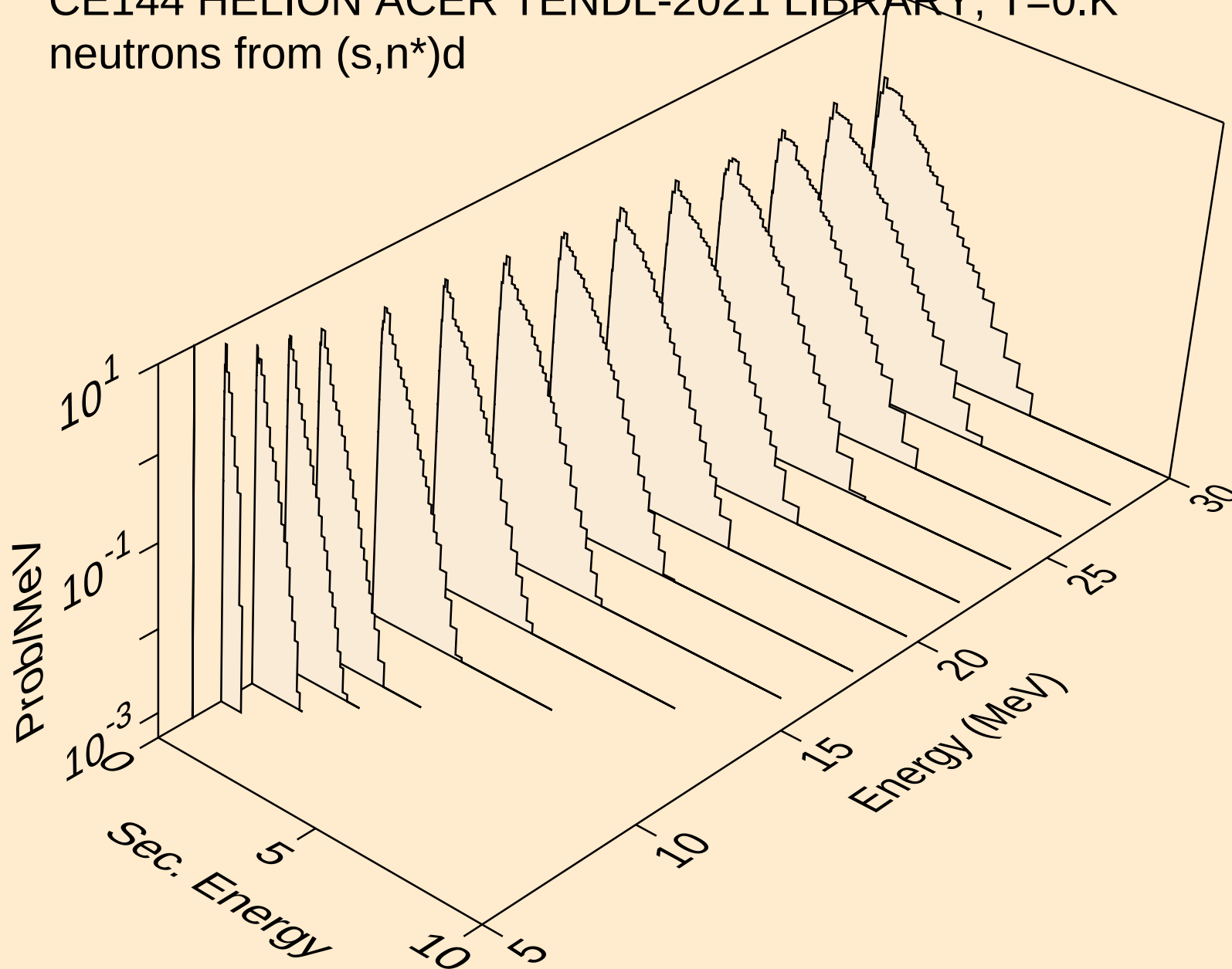
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
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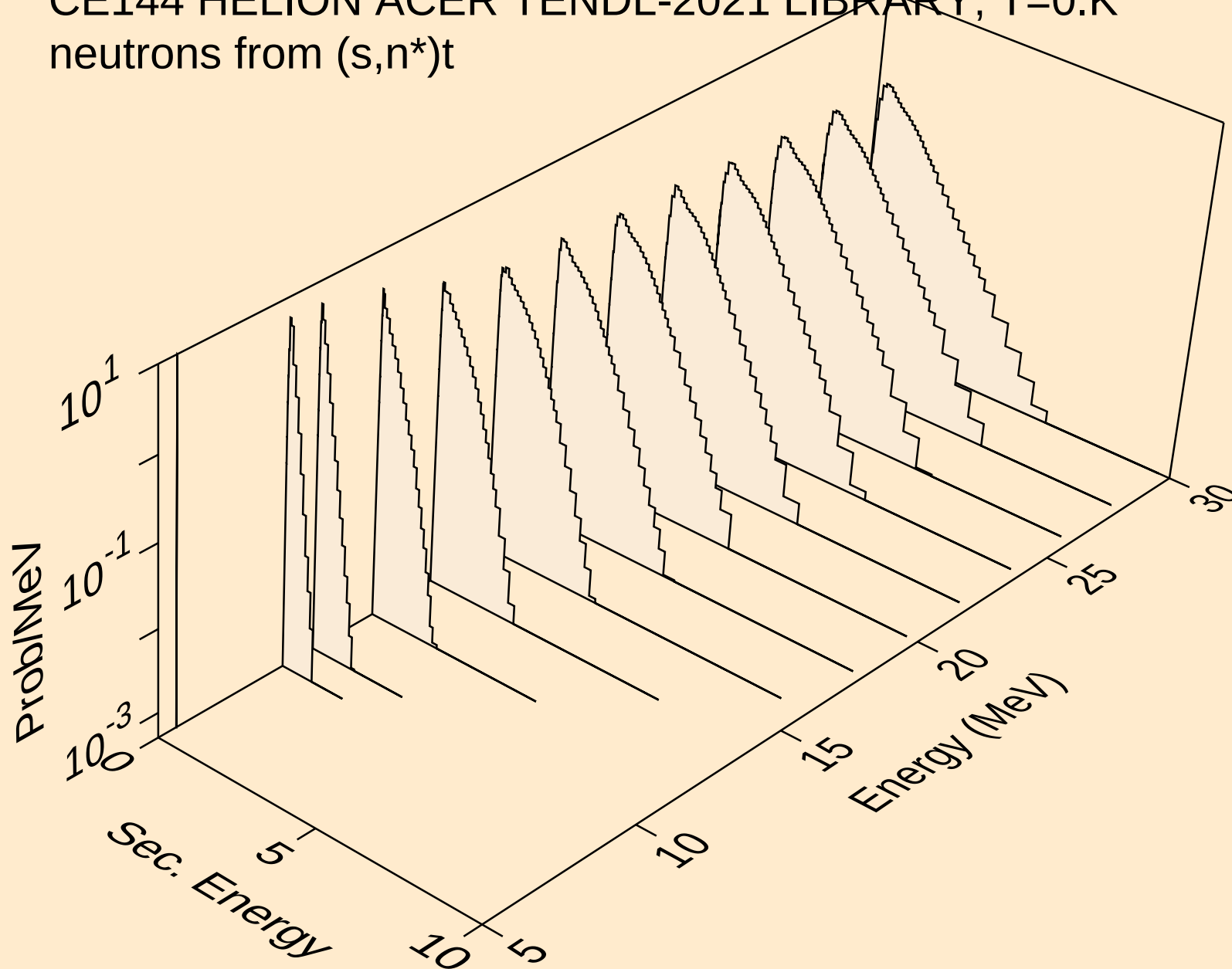
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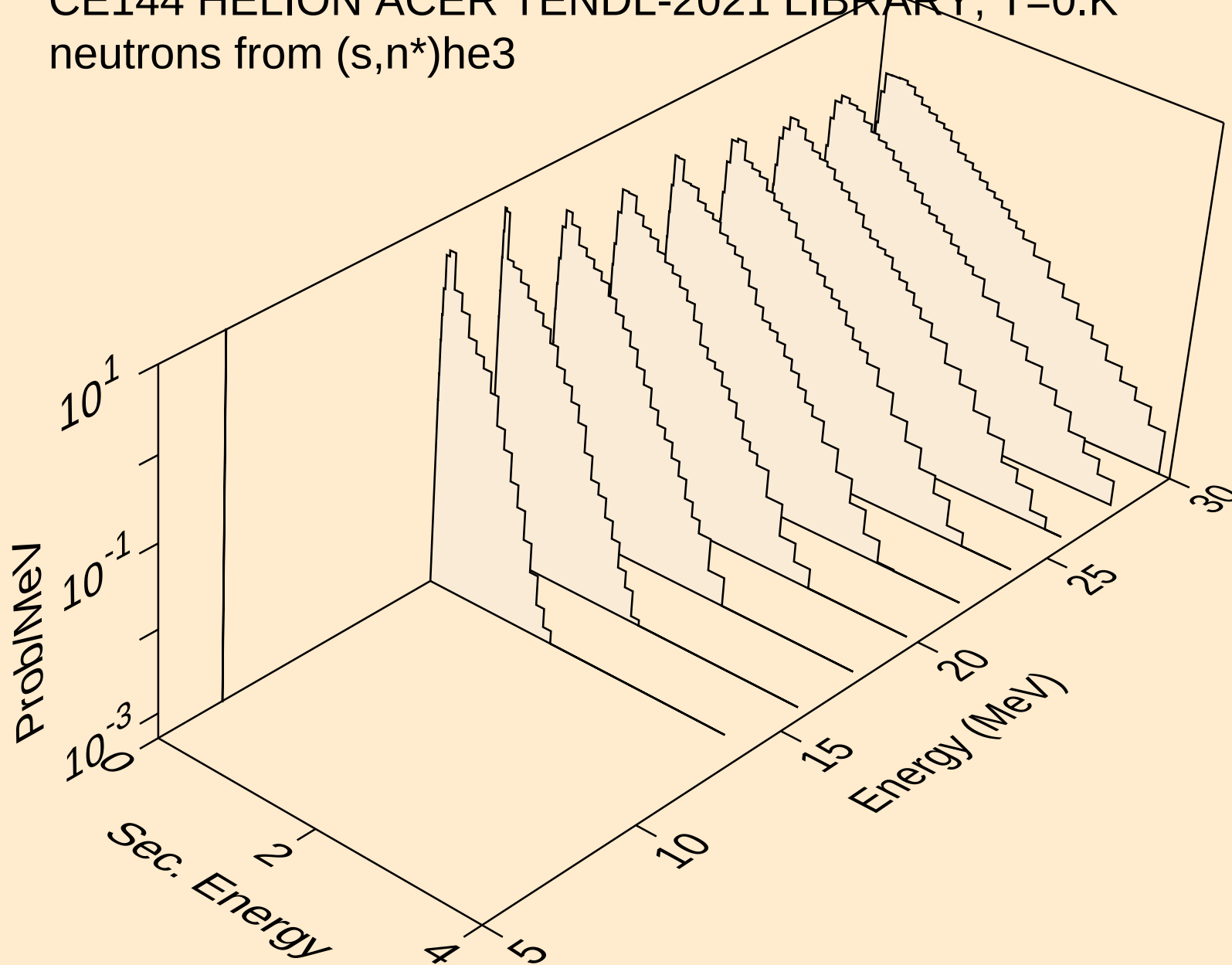
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)d



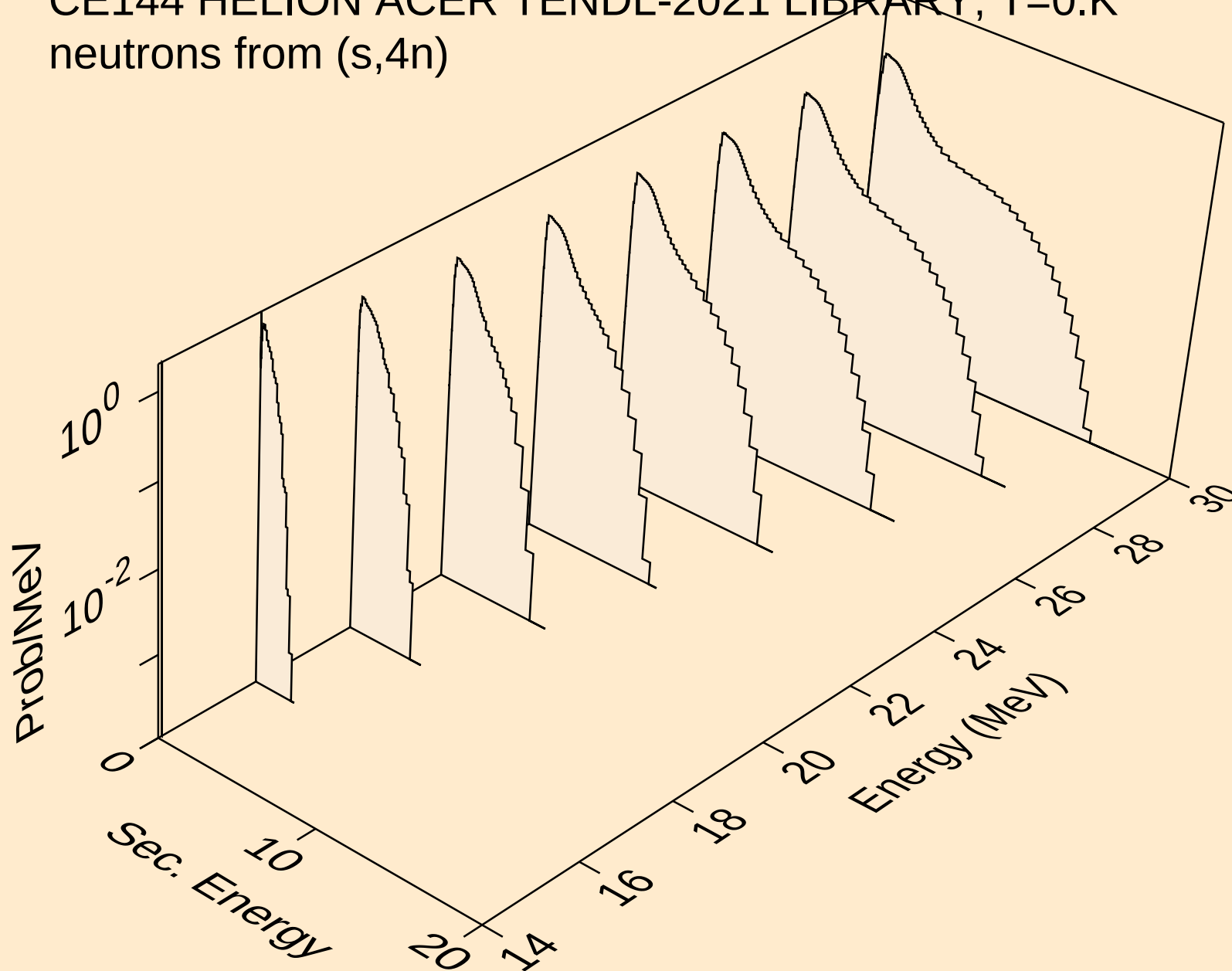
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neutrons from (s,n\*)t



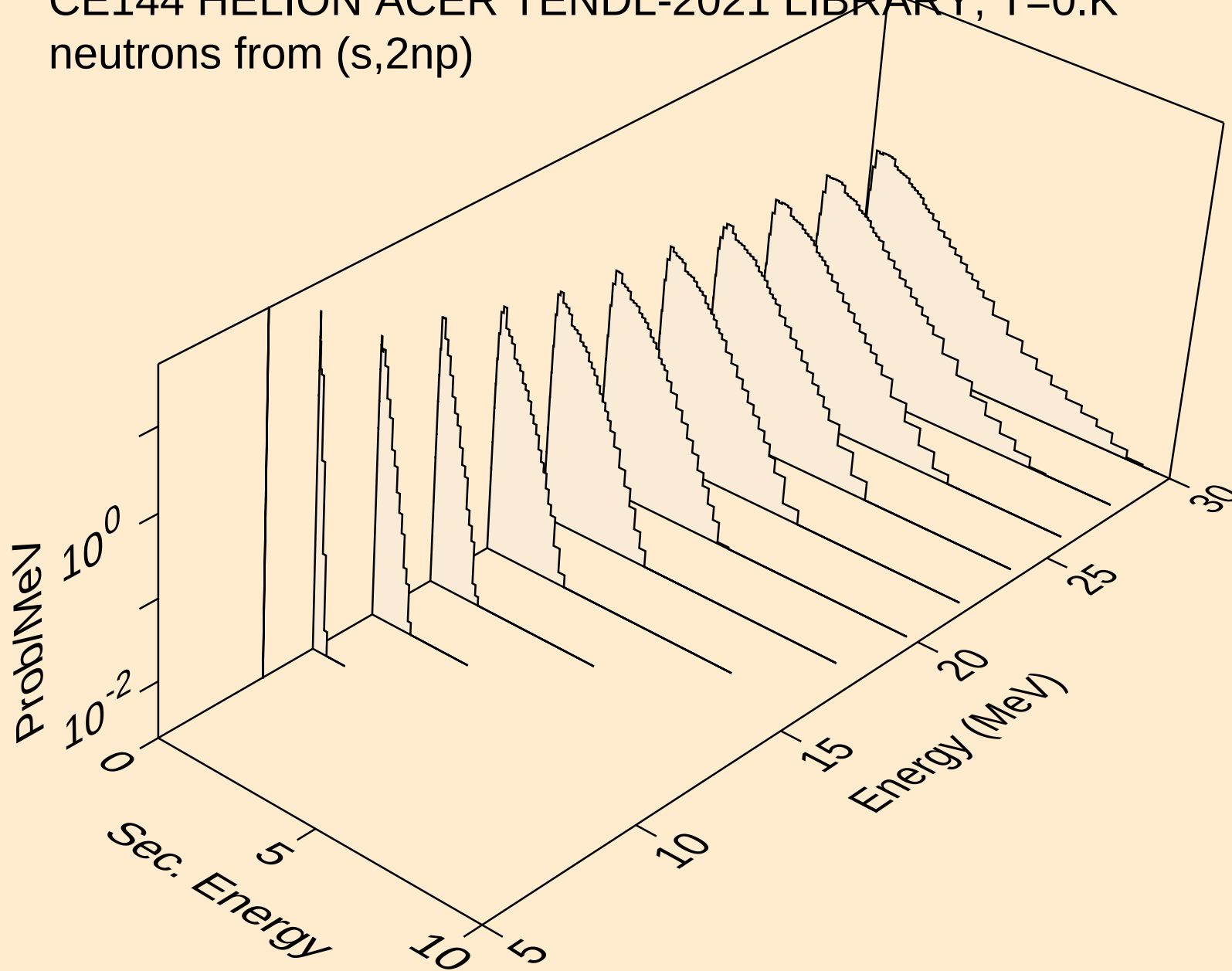
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)he3



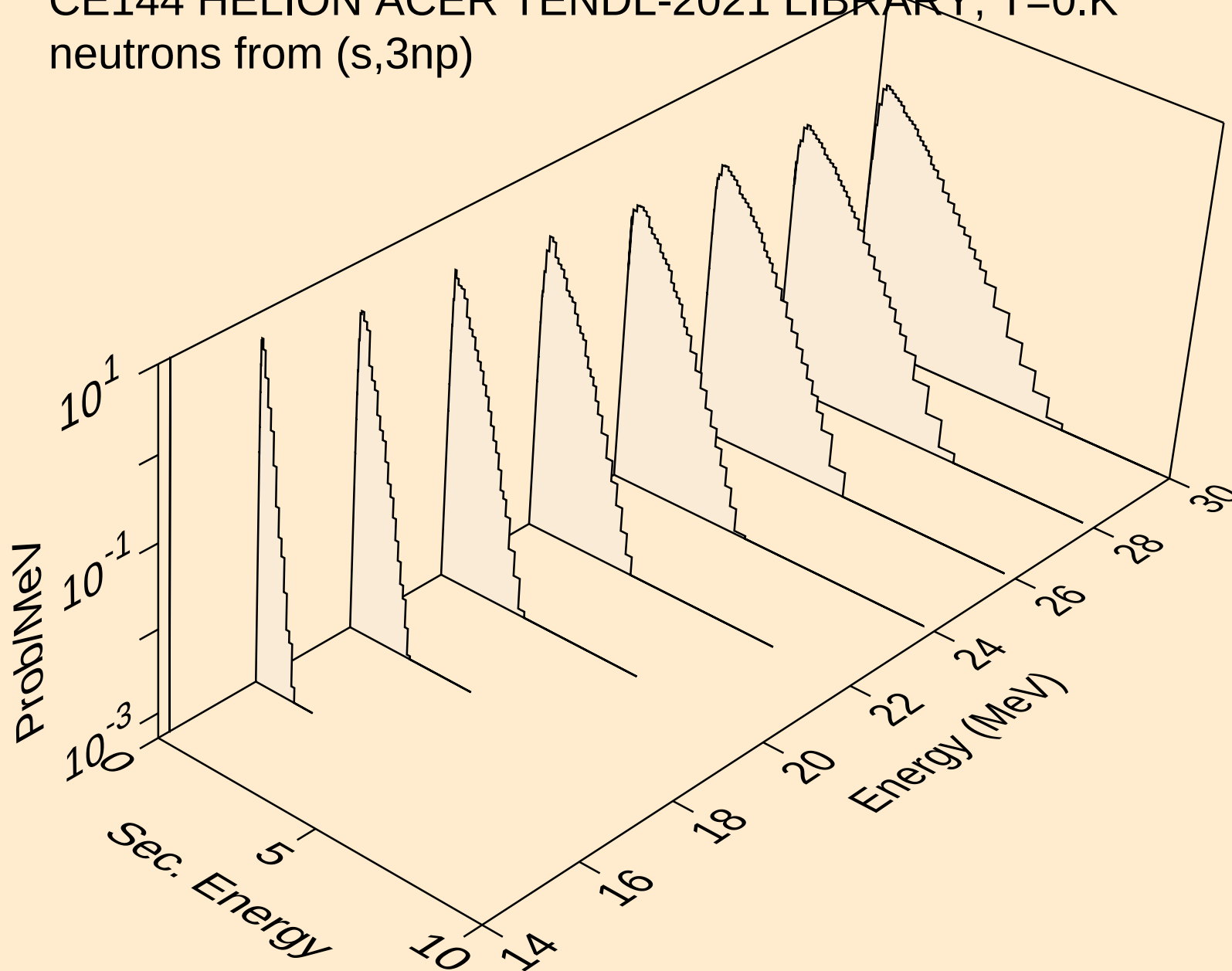
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,4n)



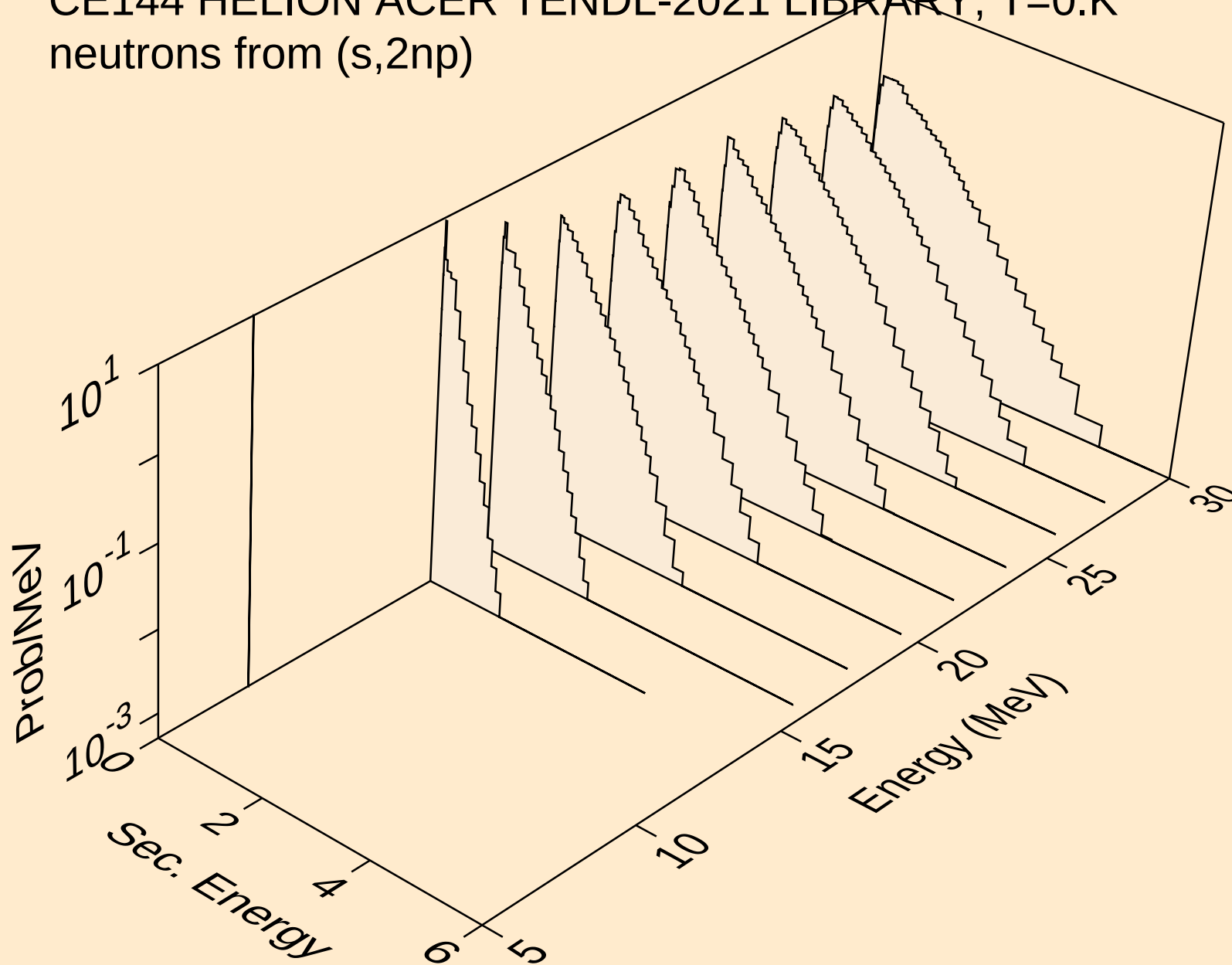
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neutrons from (s,2np)



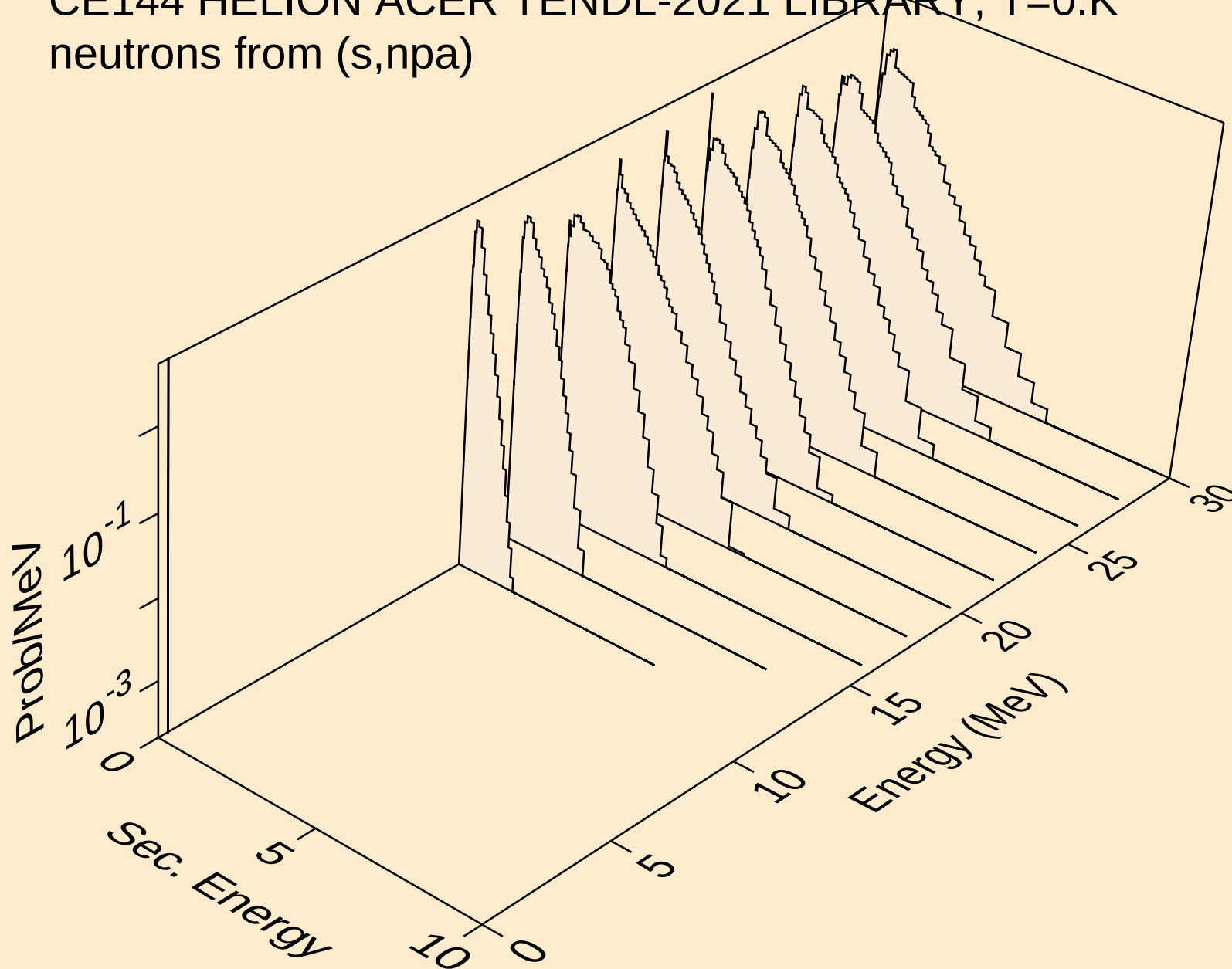
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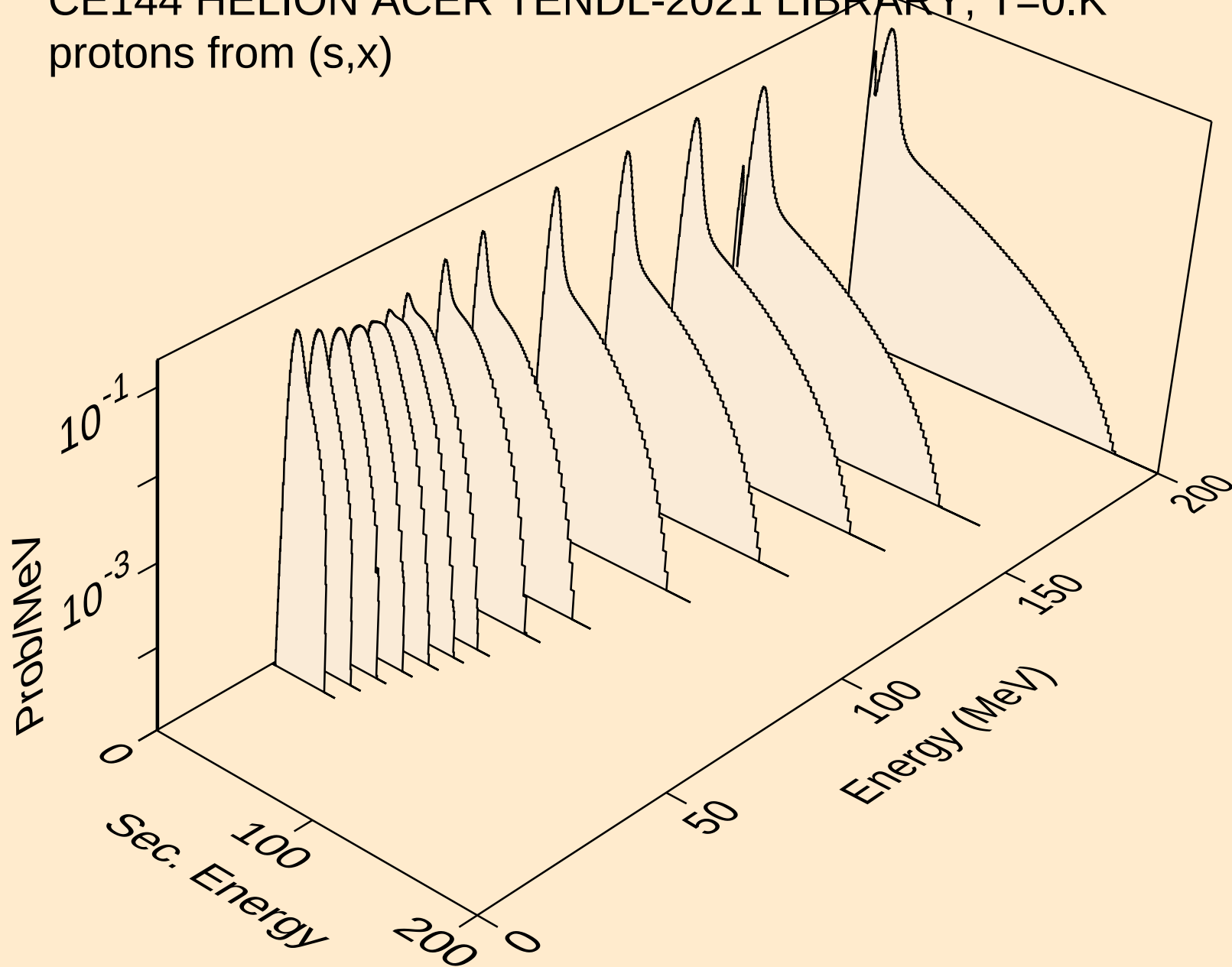
CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2np)



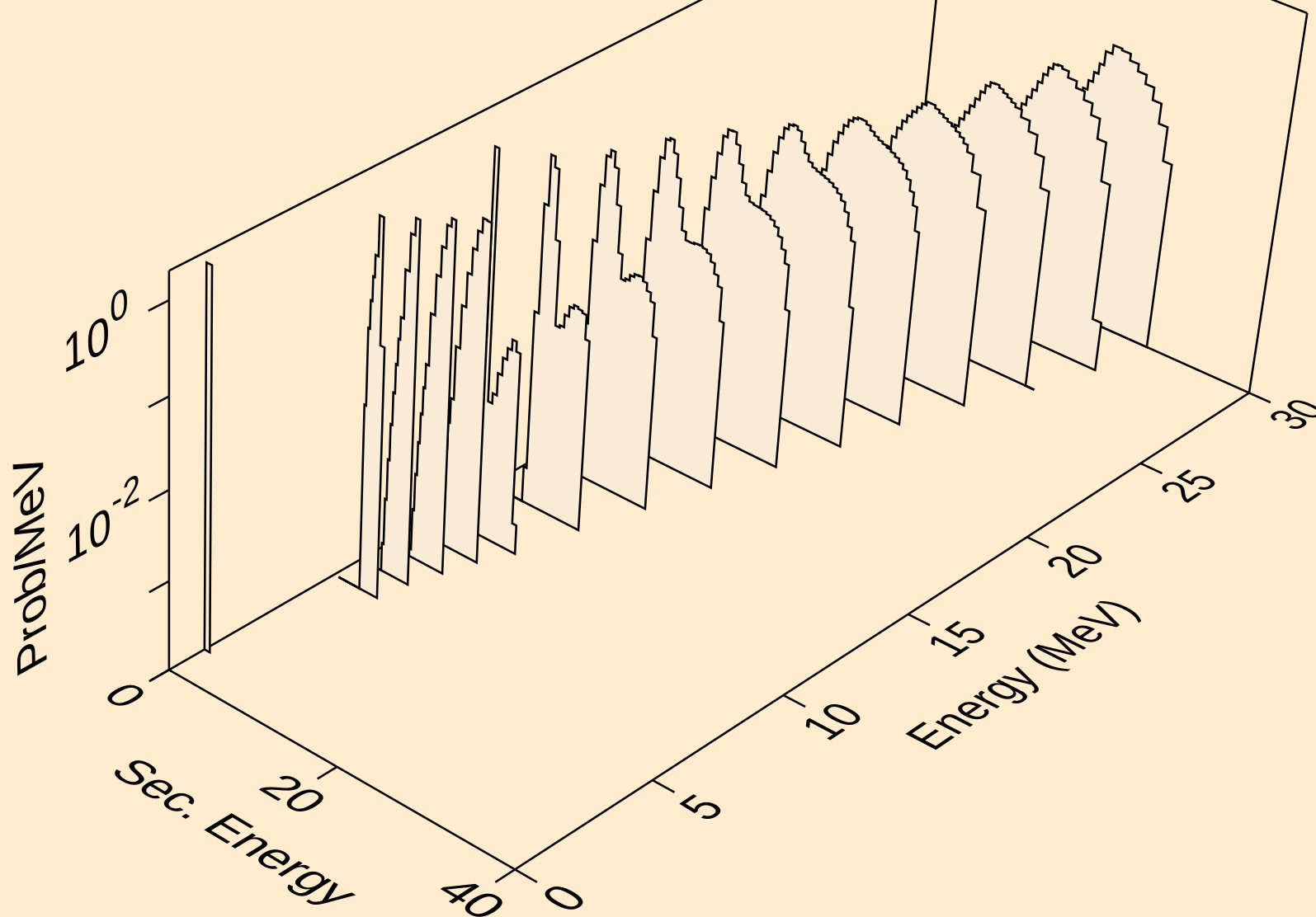
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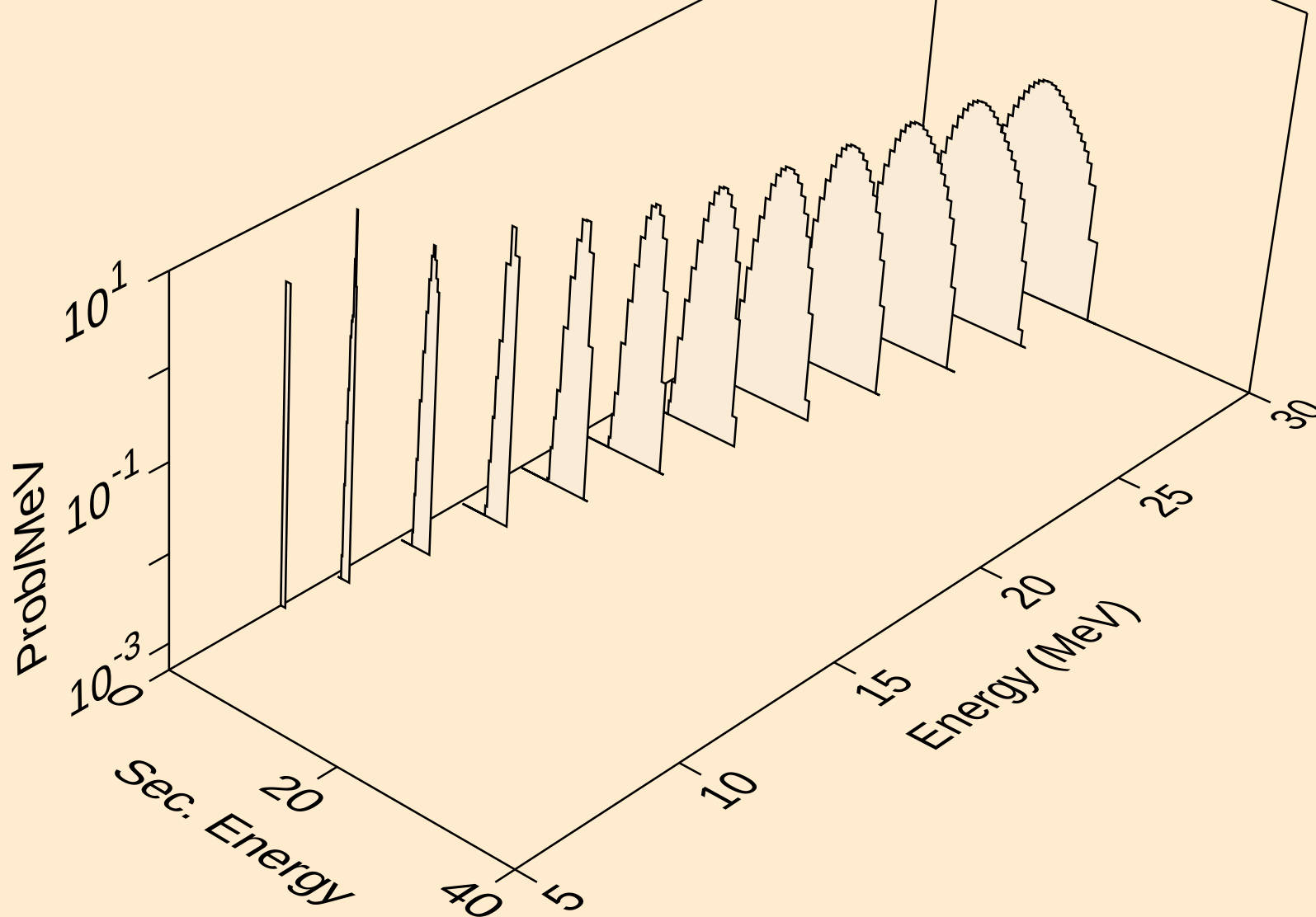
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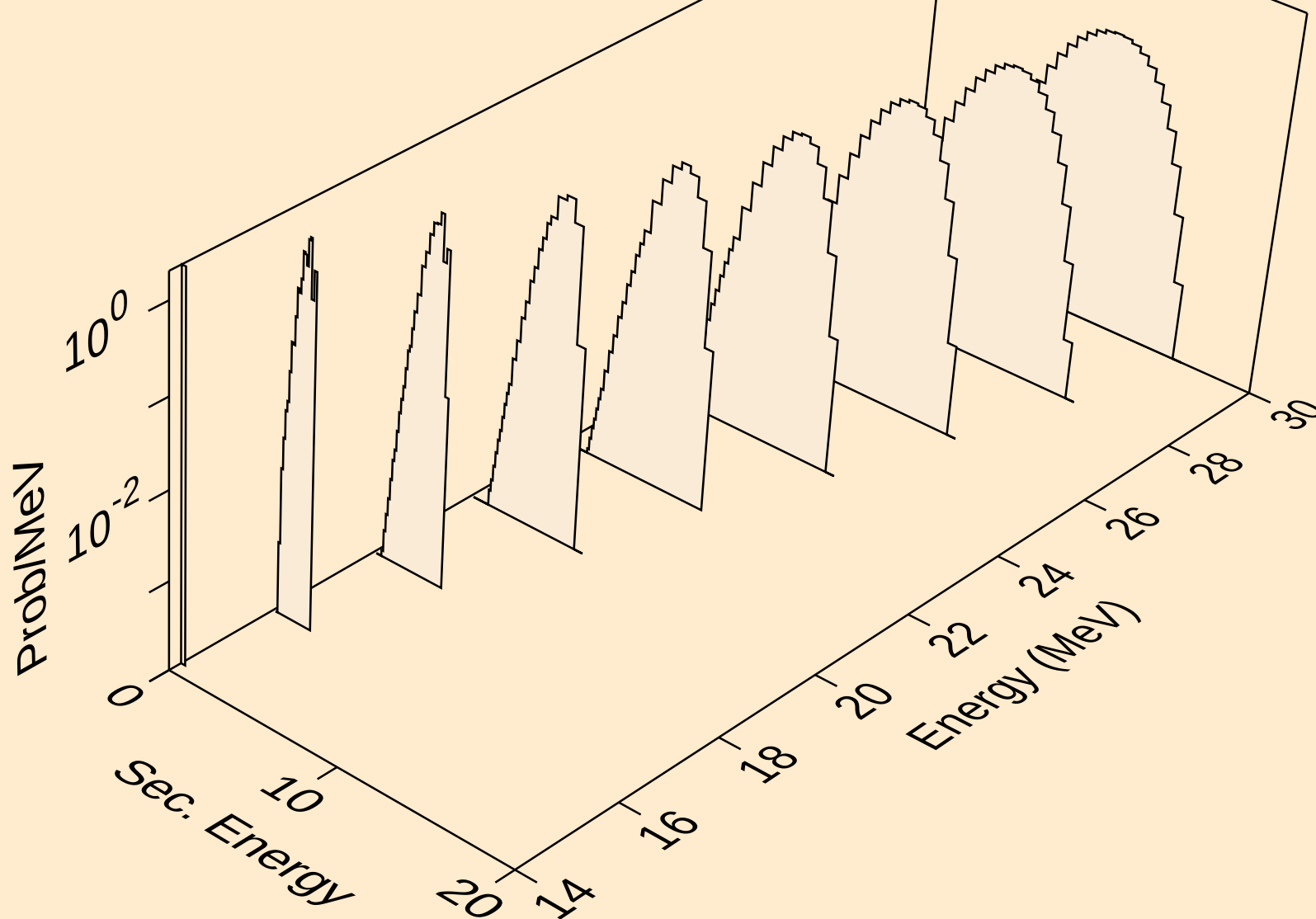
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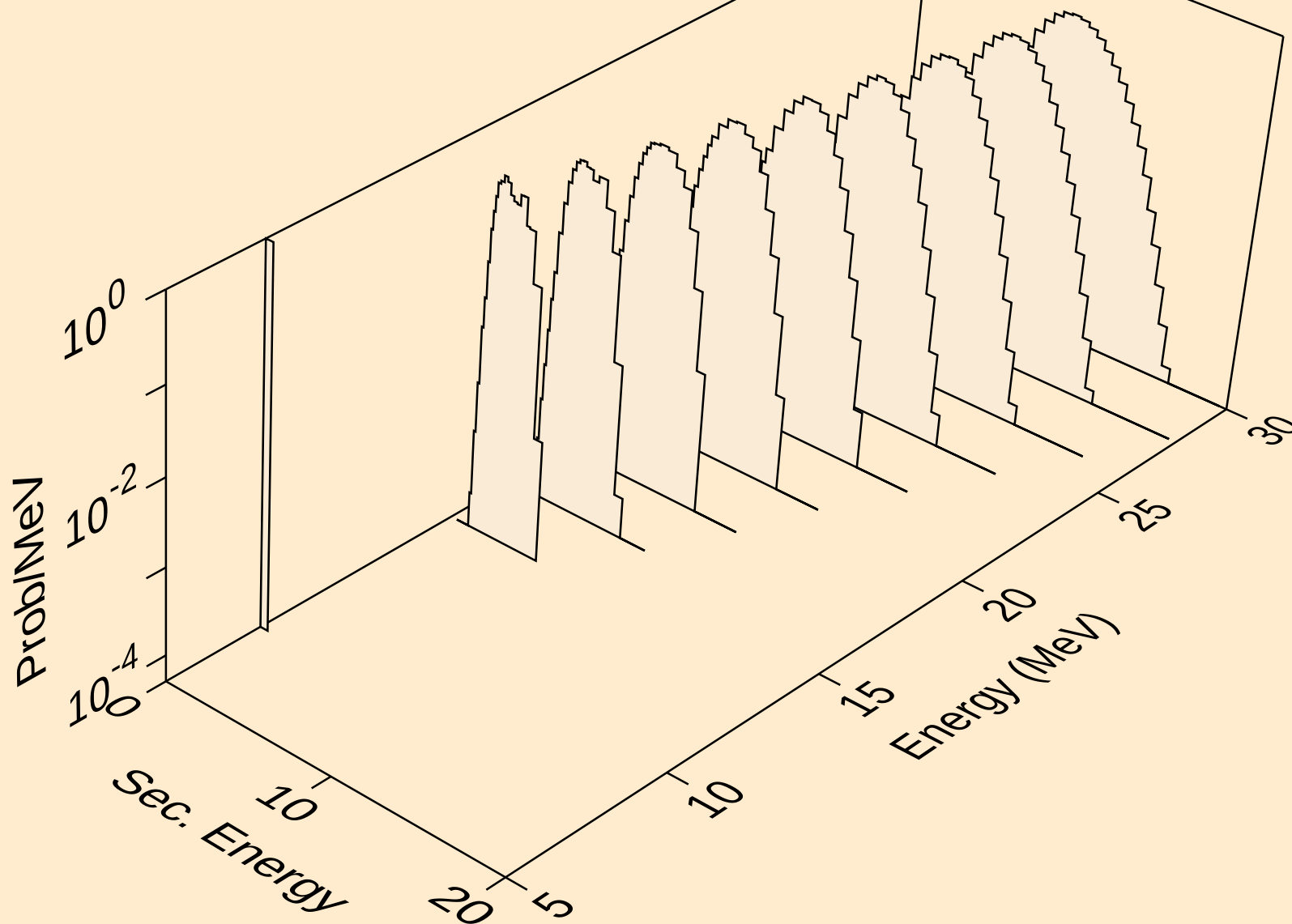
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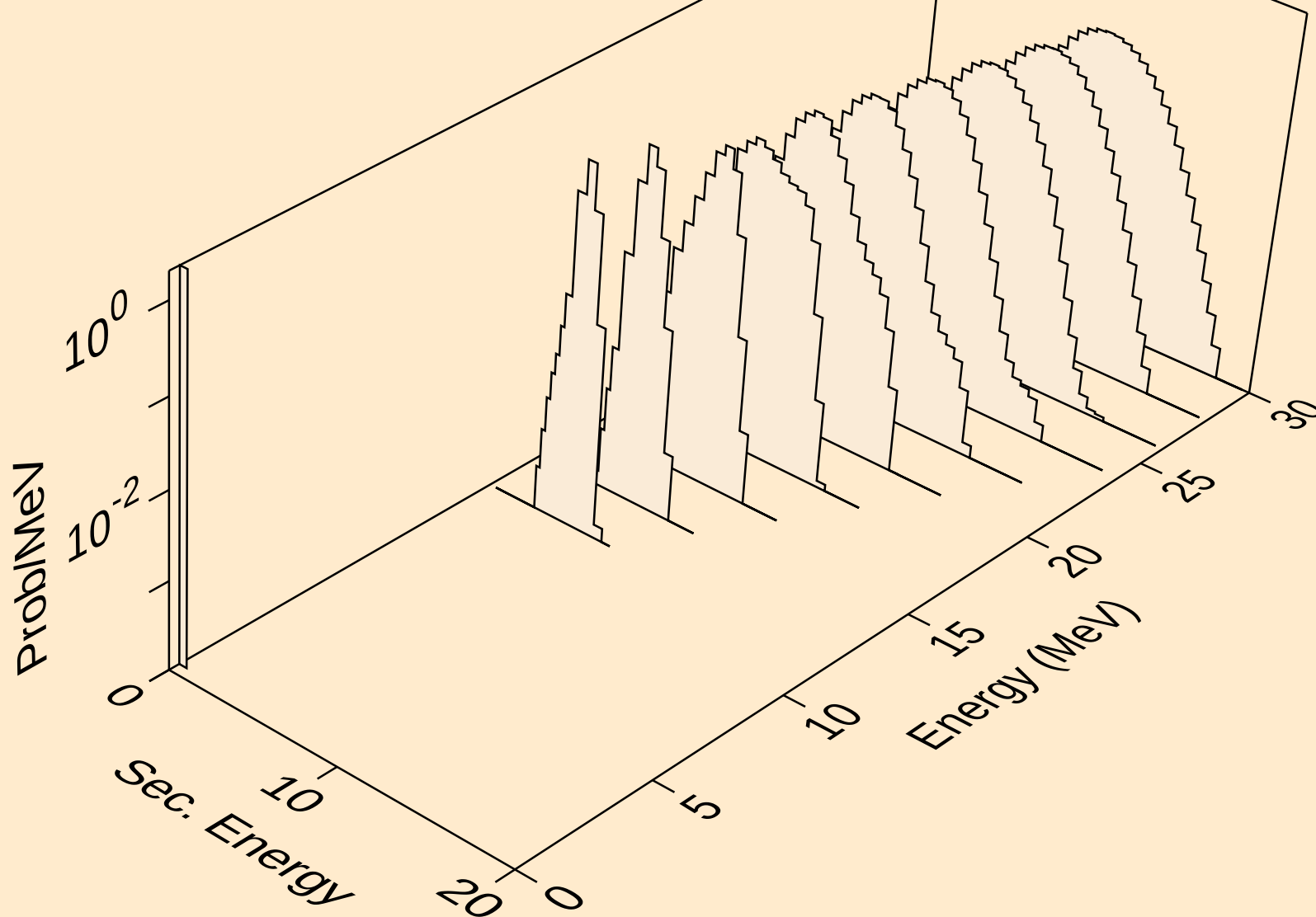
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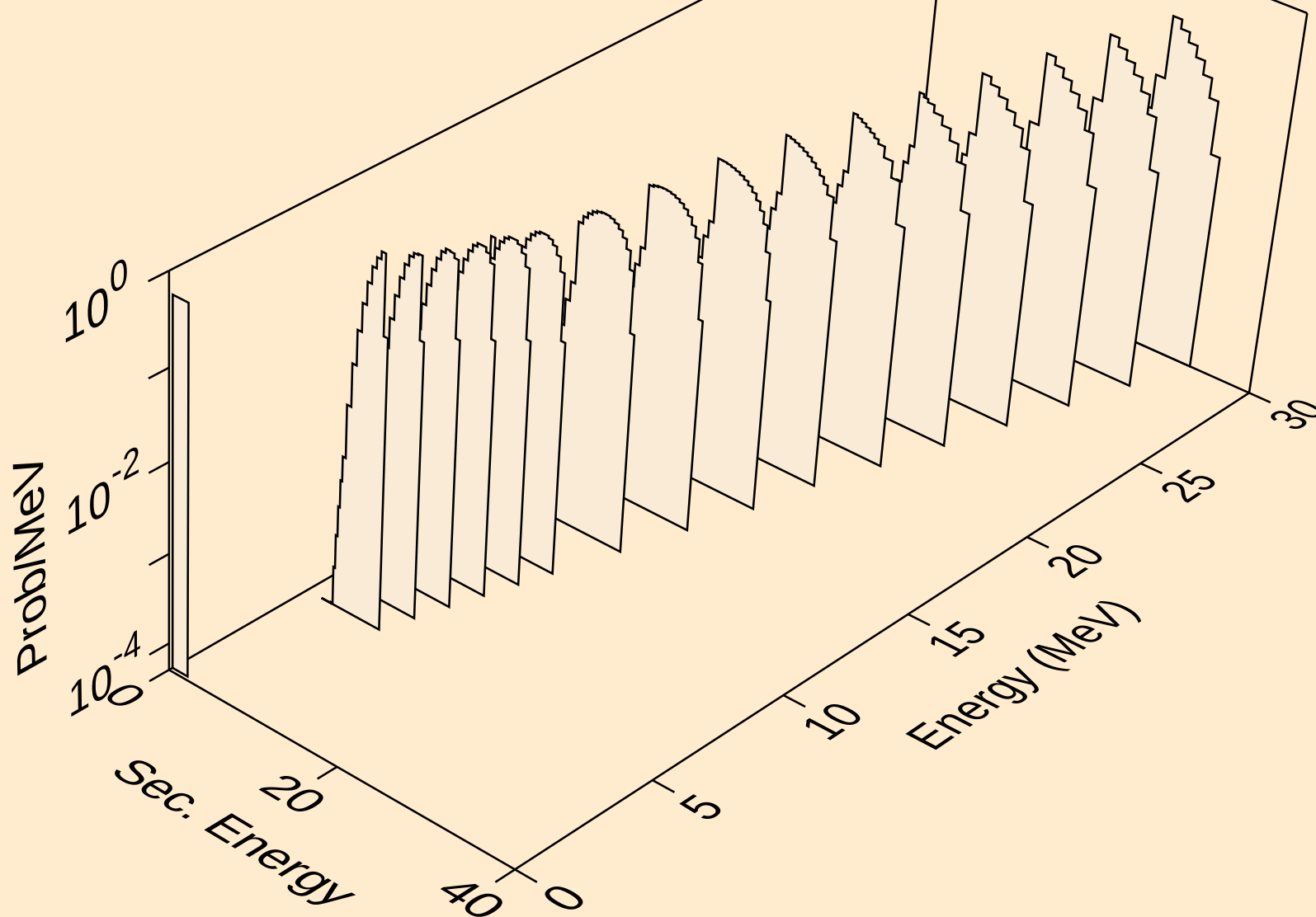
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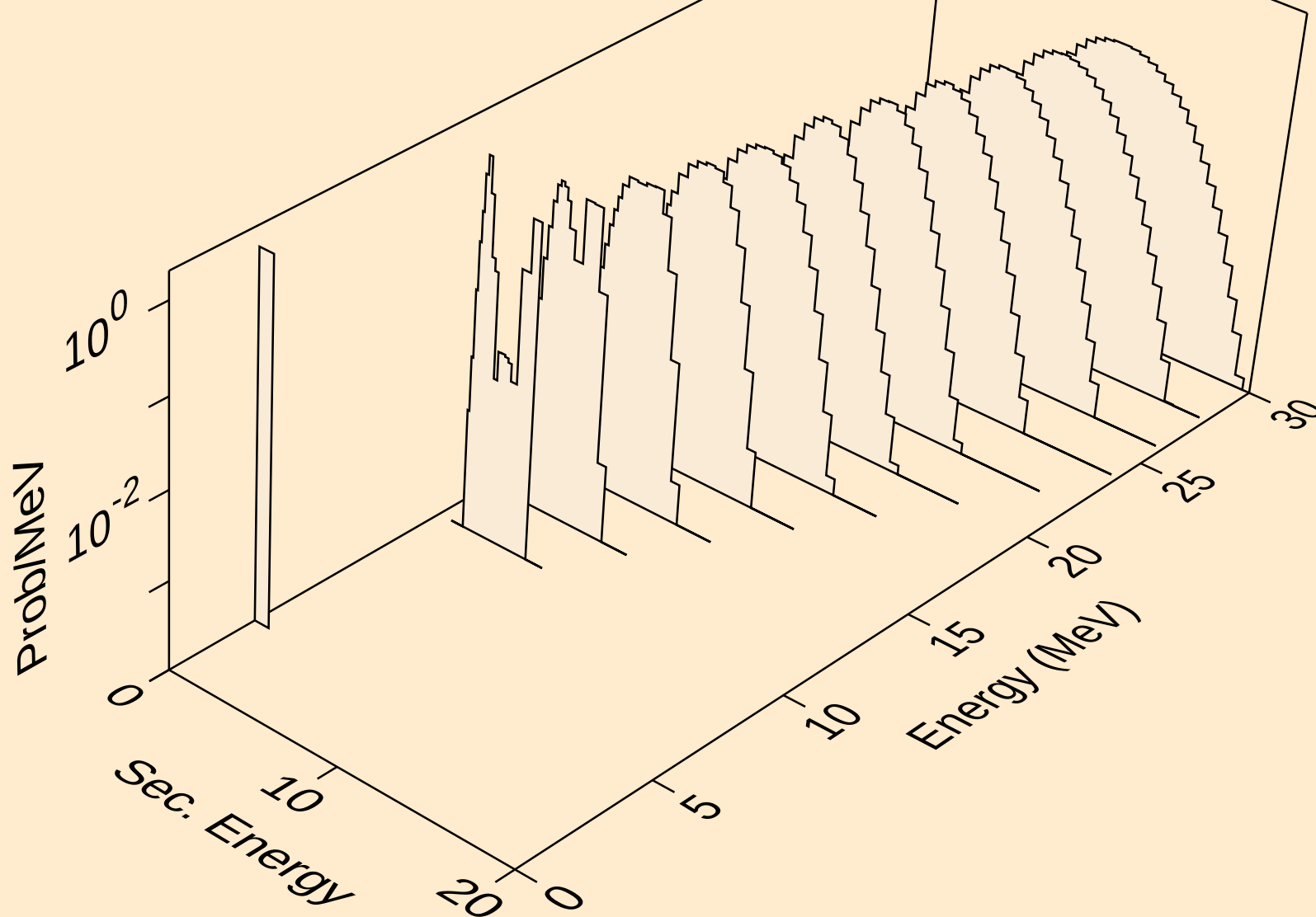
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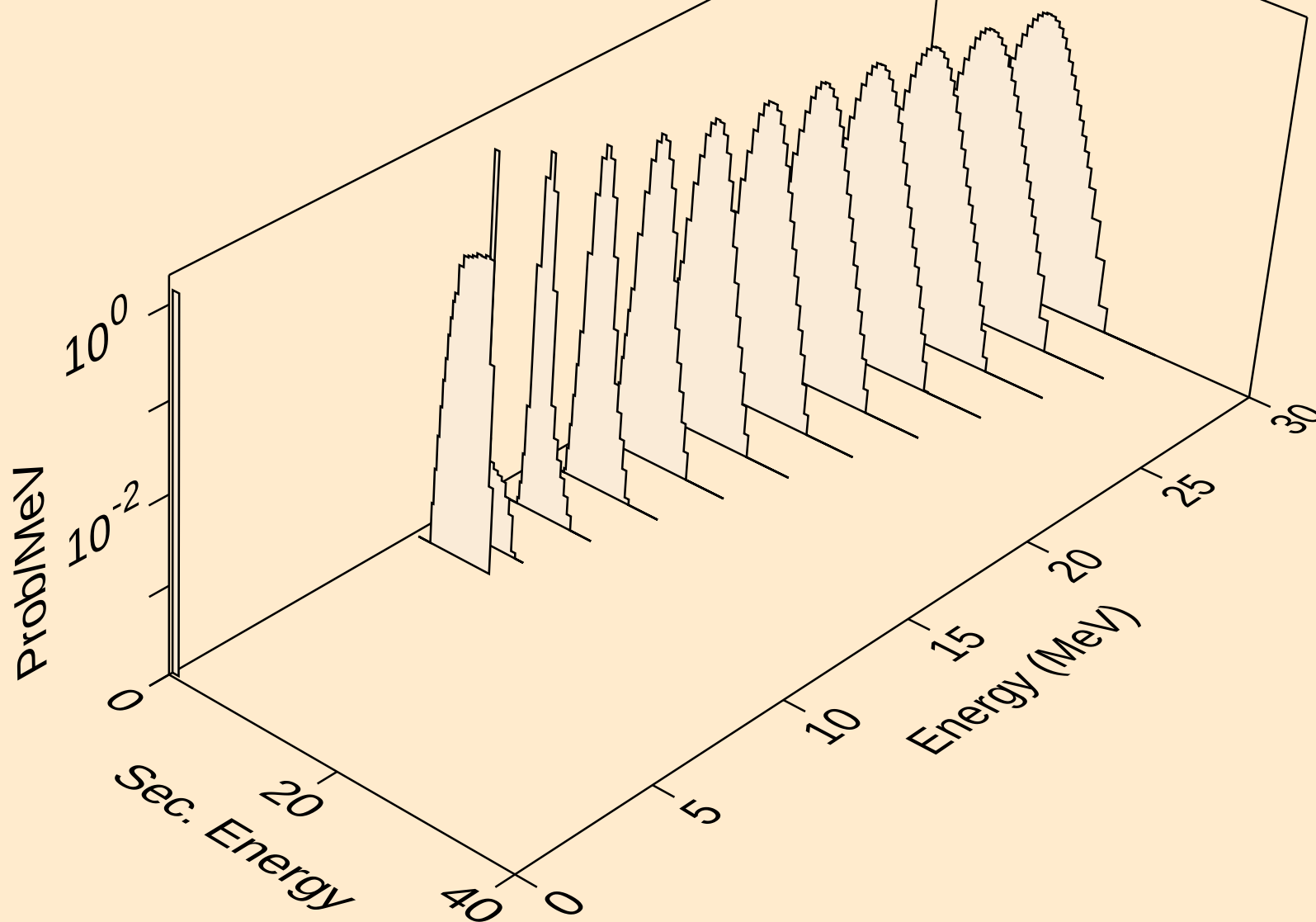
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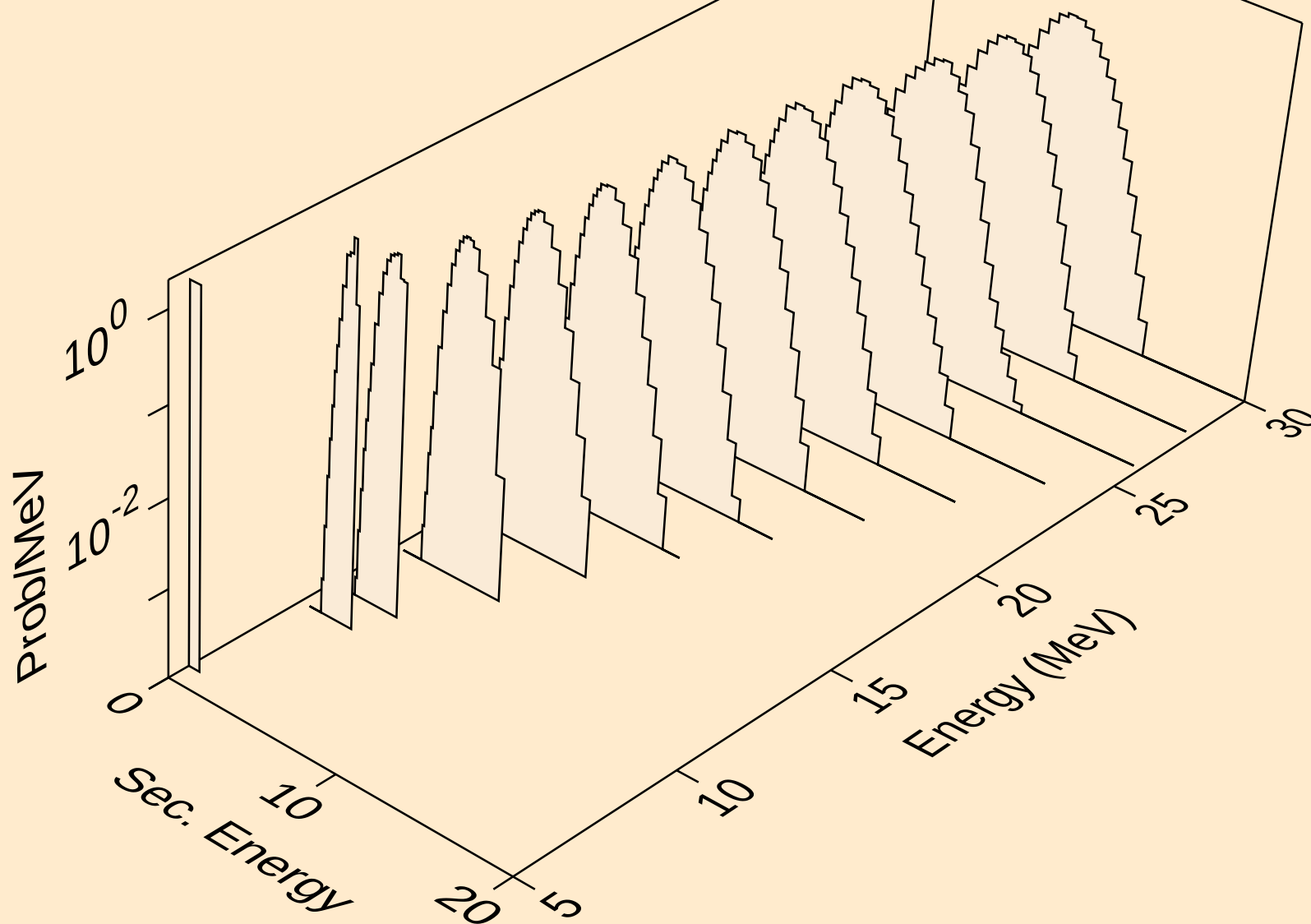
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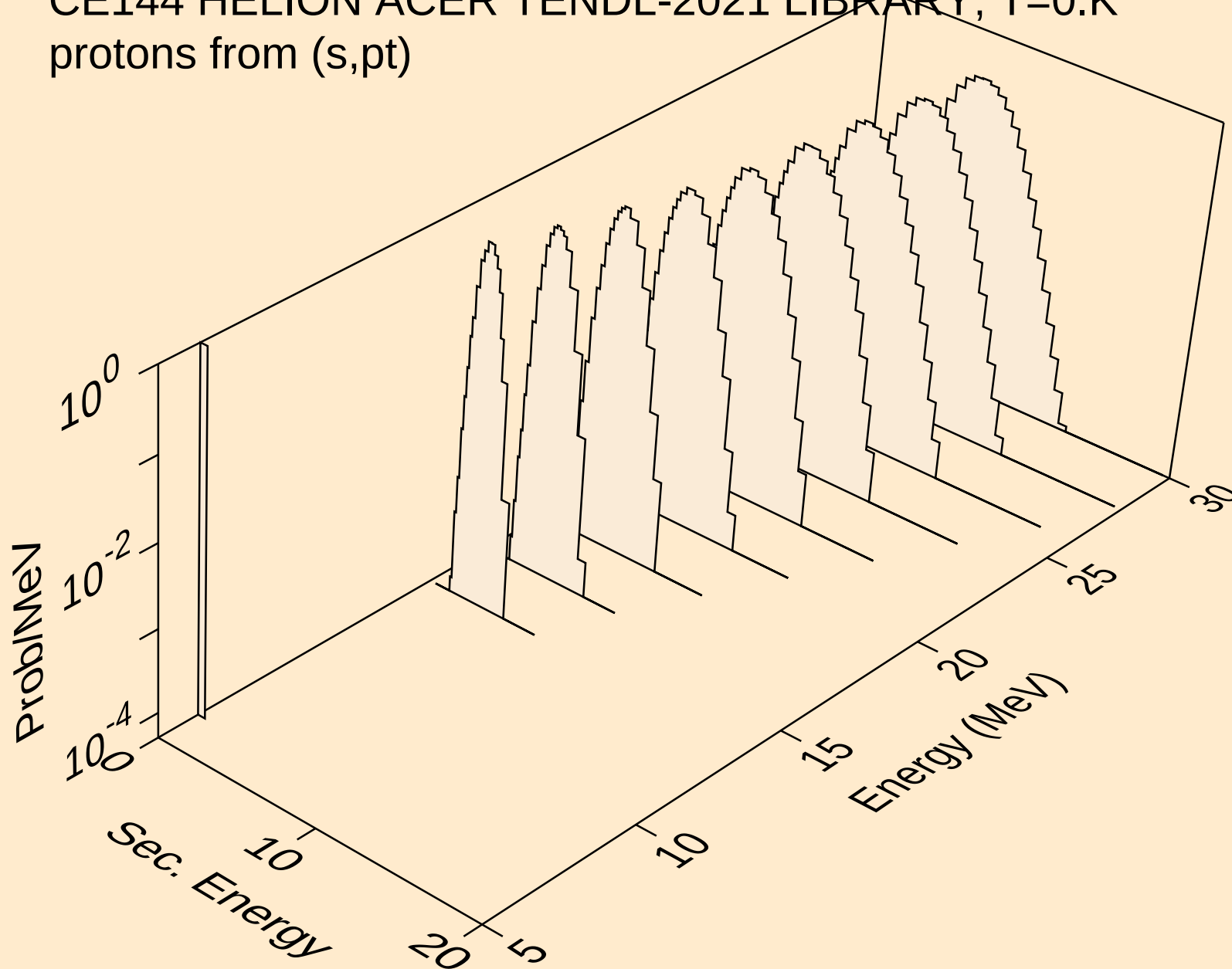
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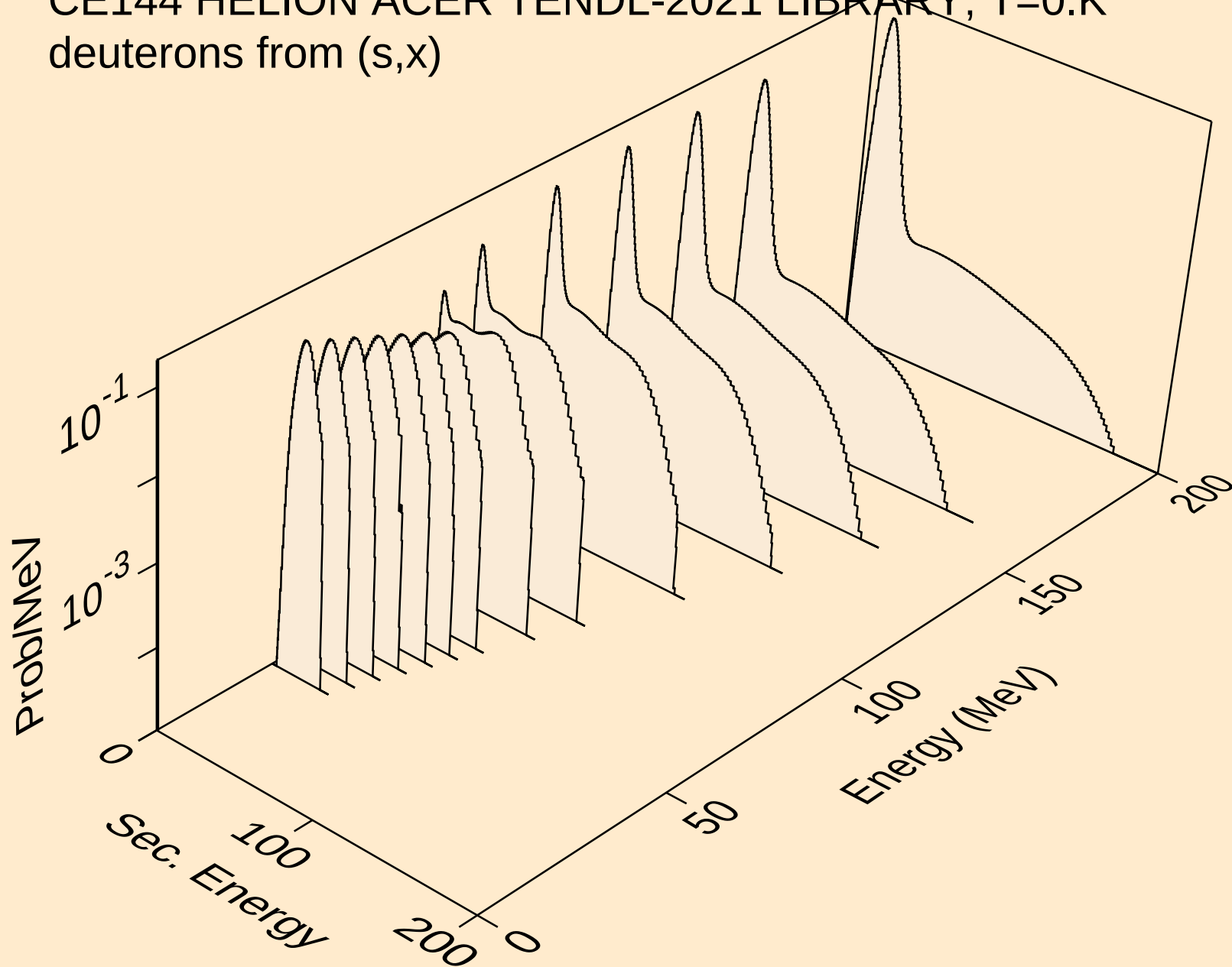
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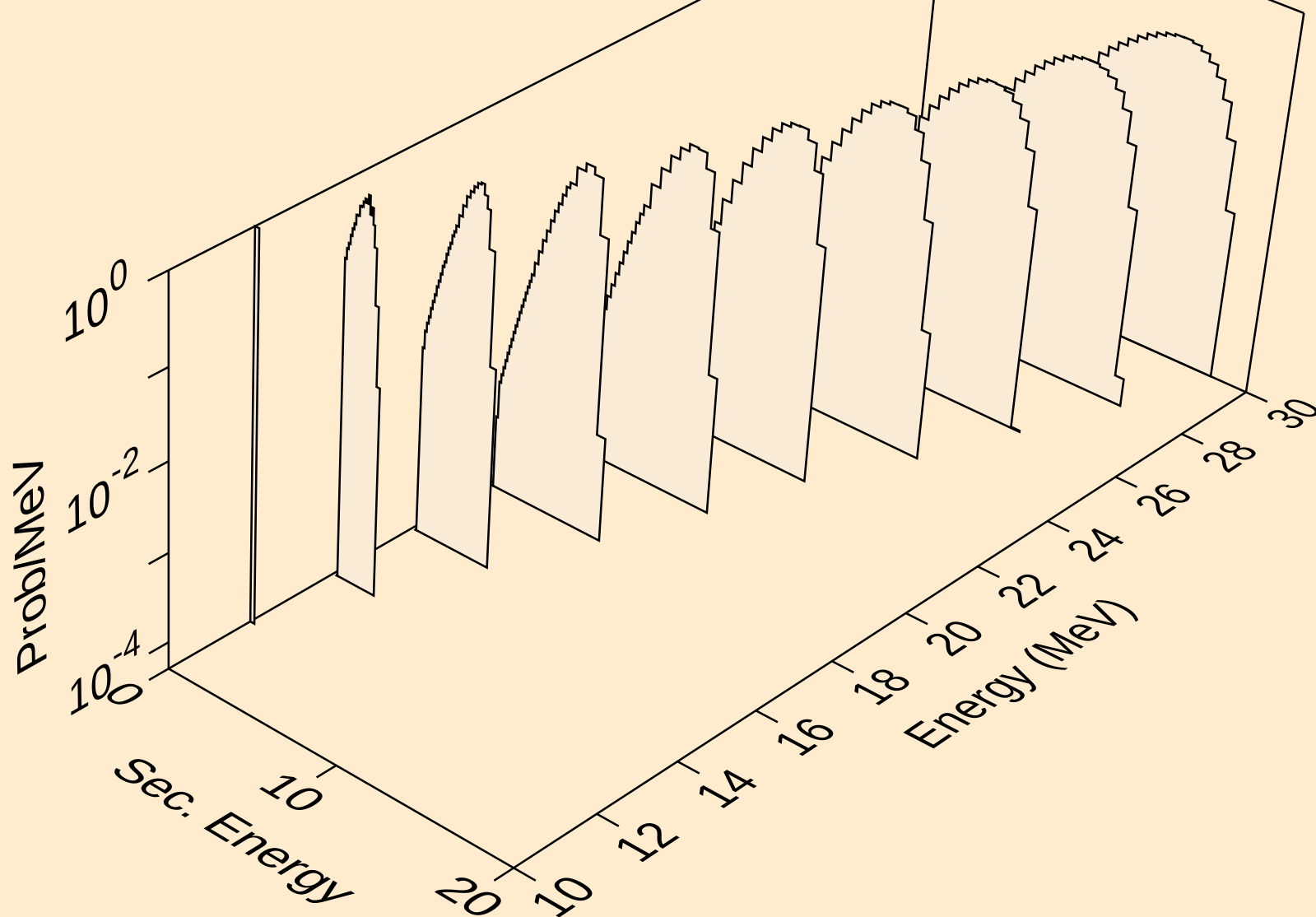
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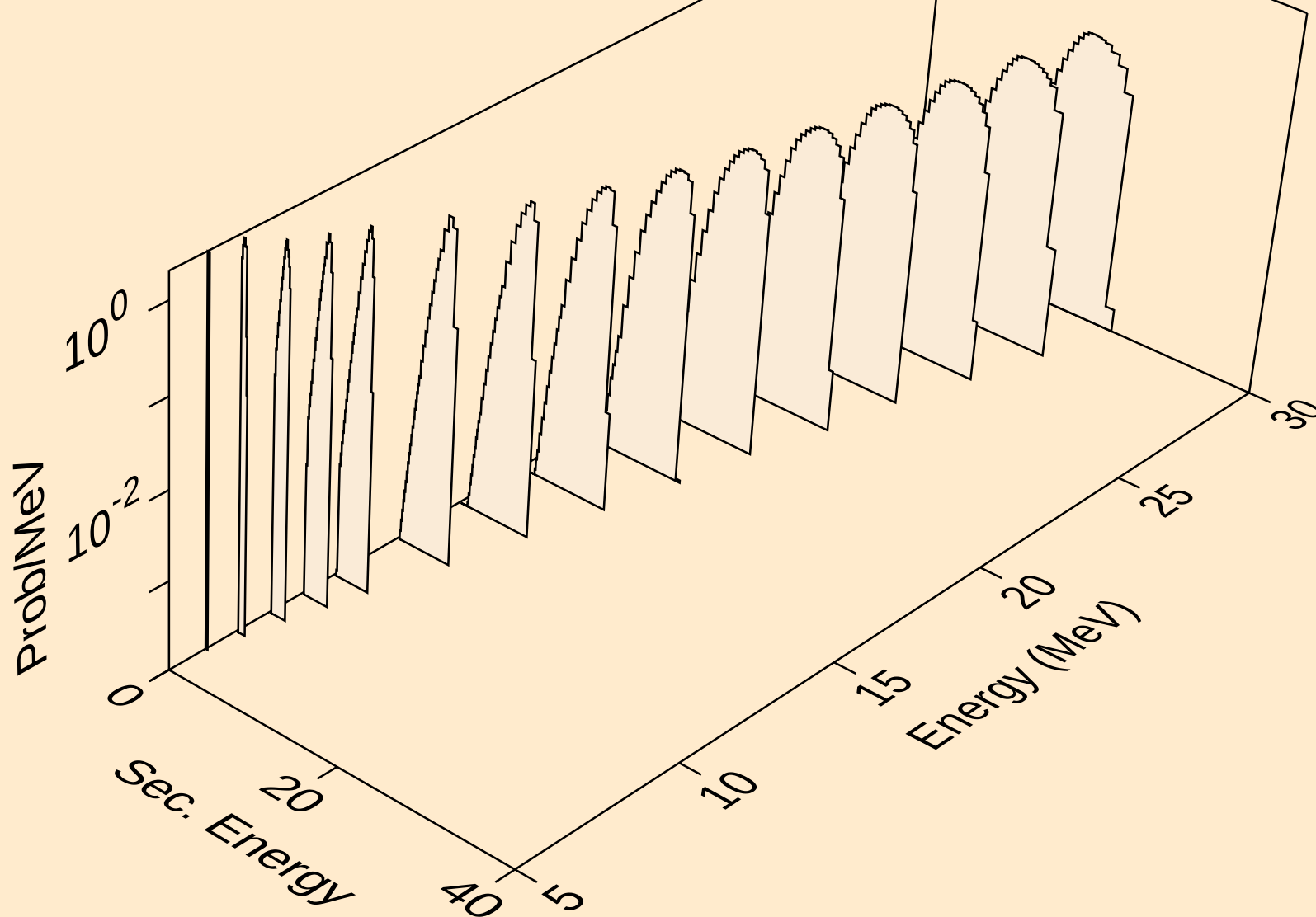
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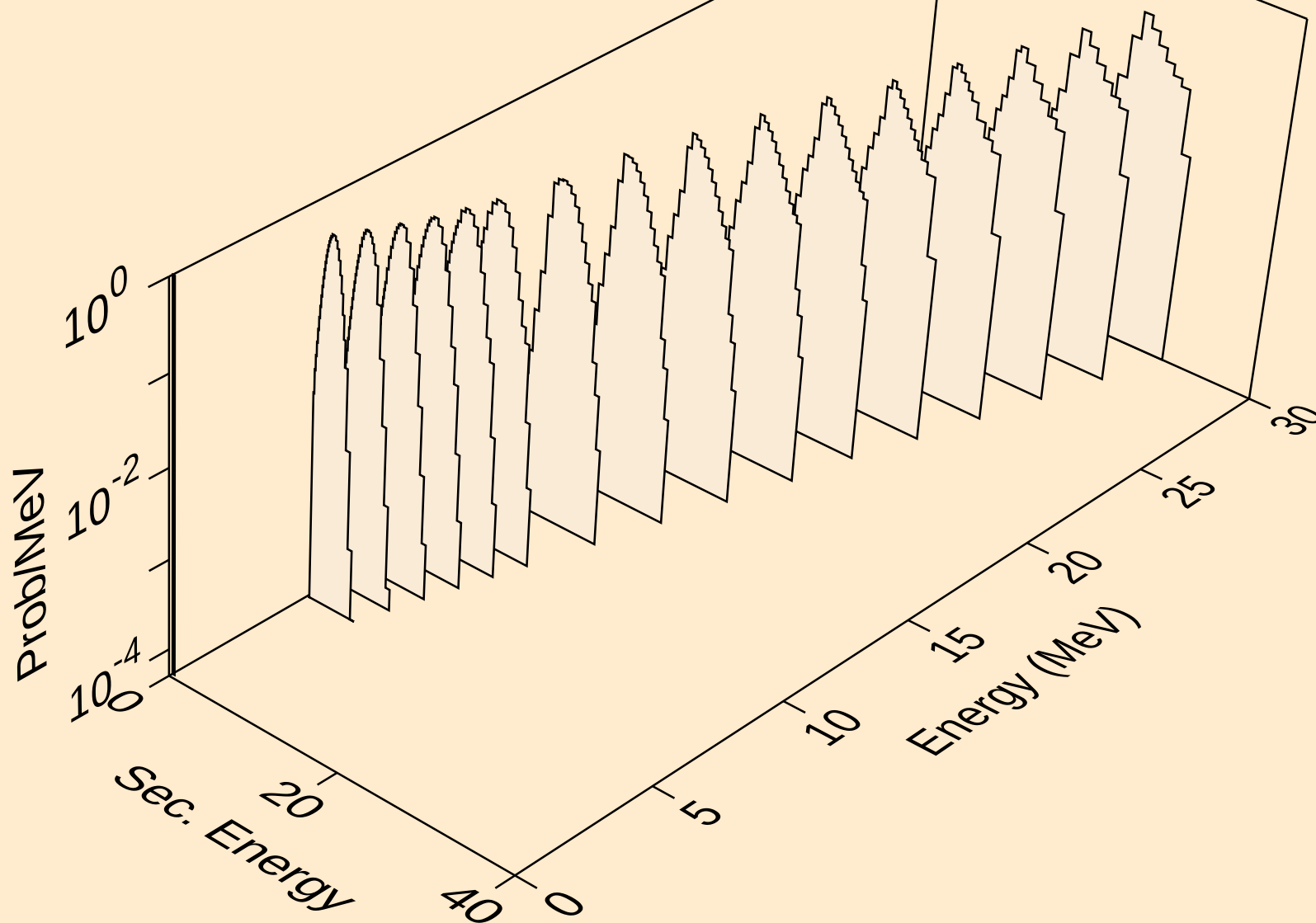
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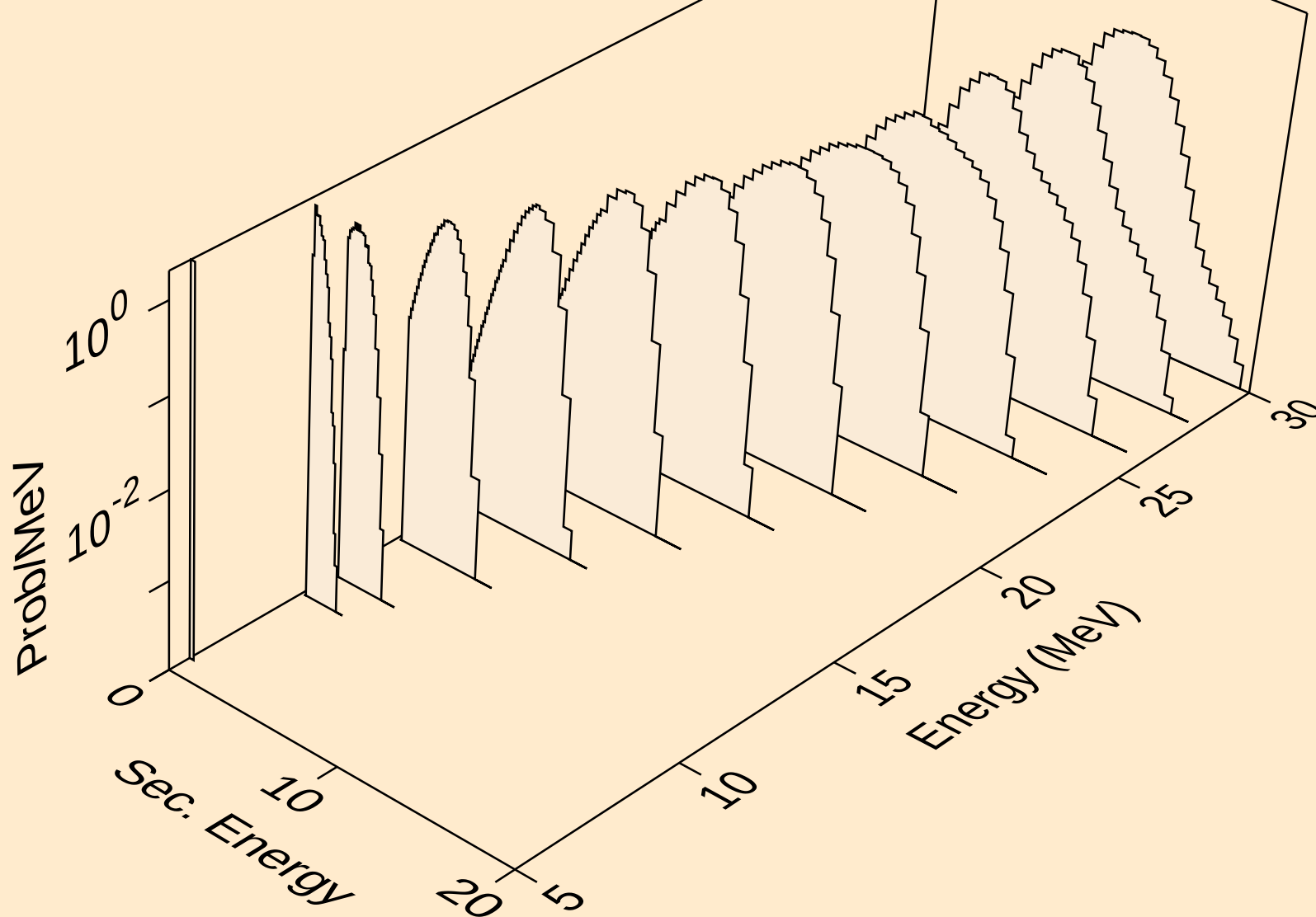
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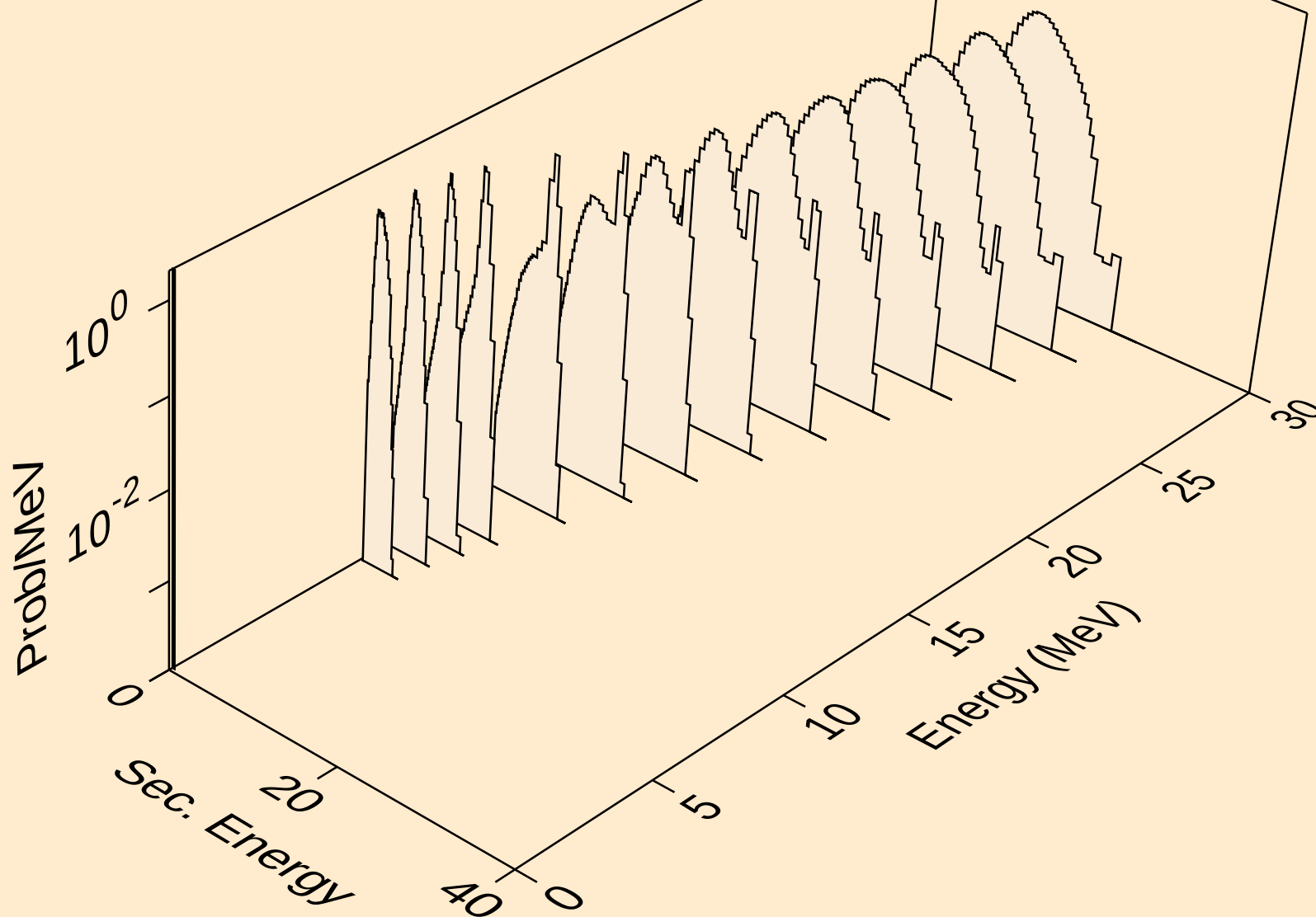
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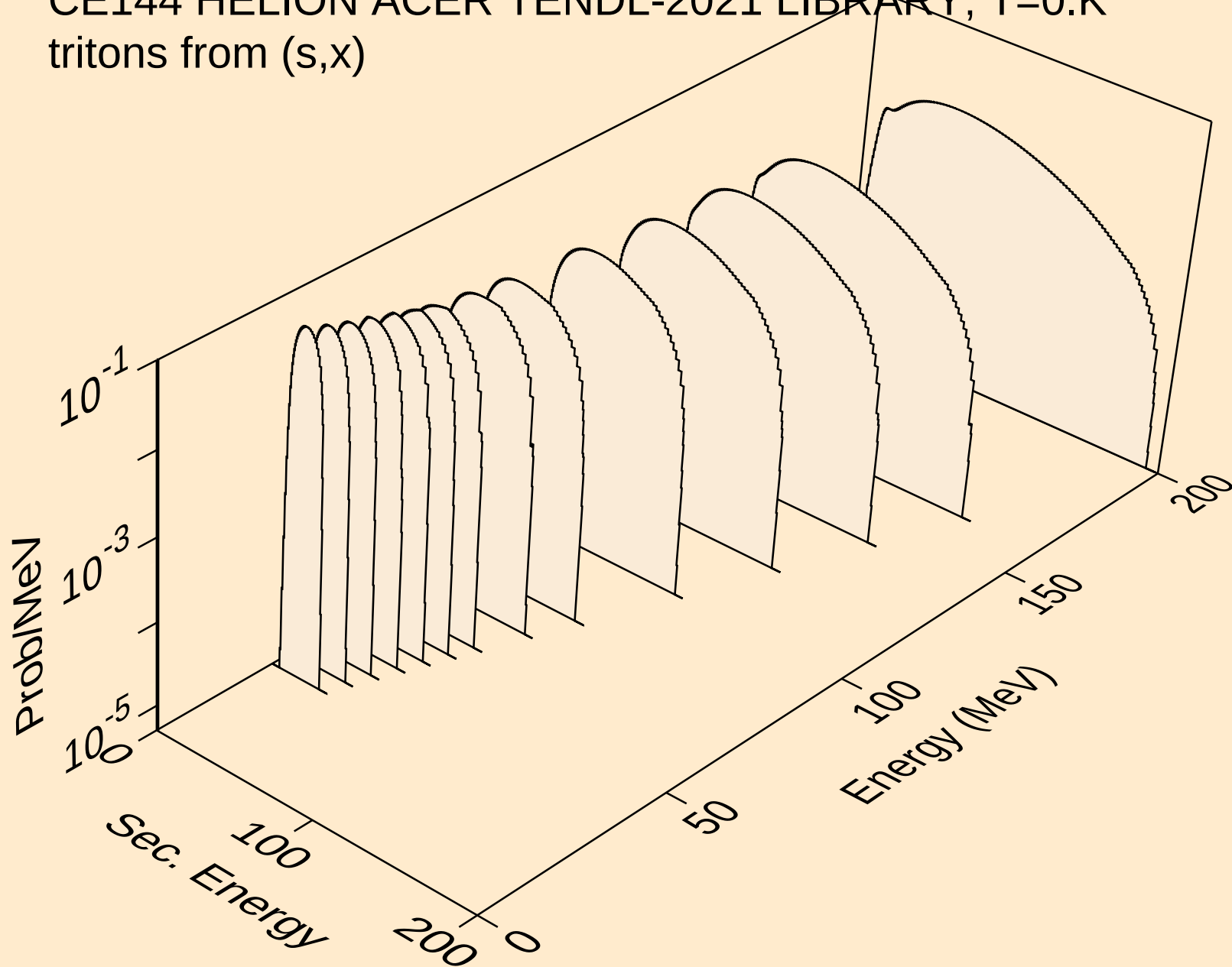
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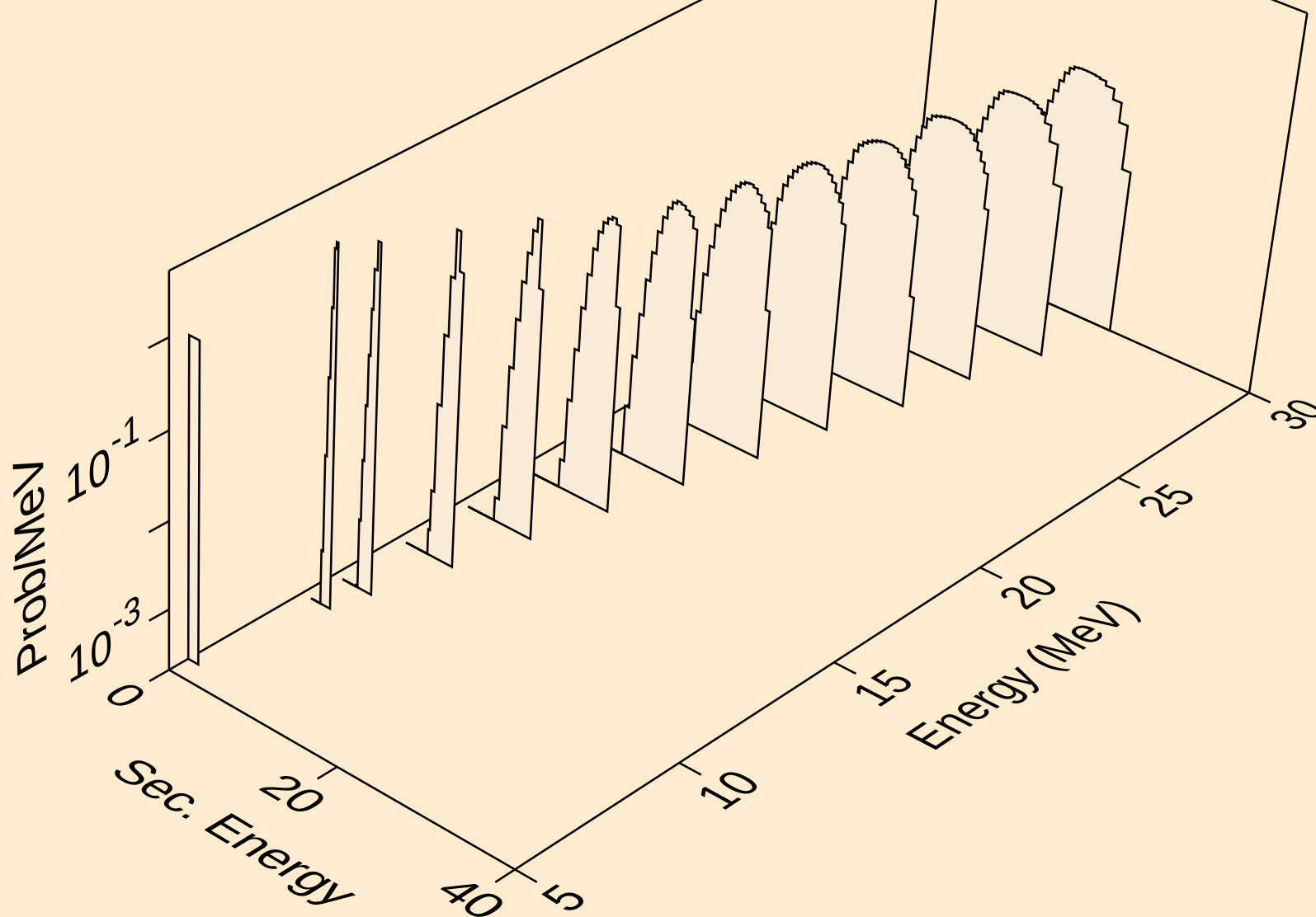
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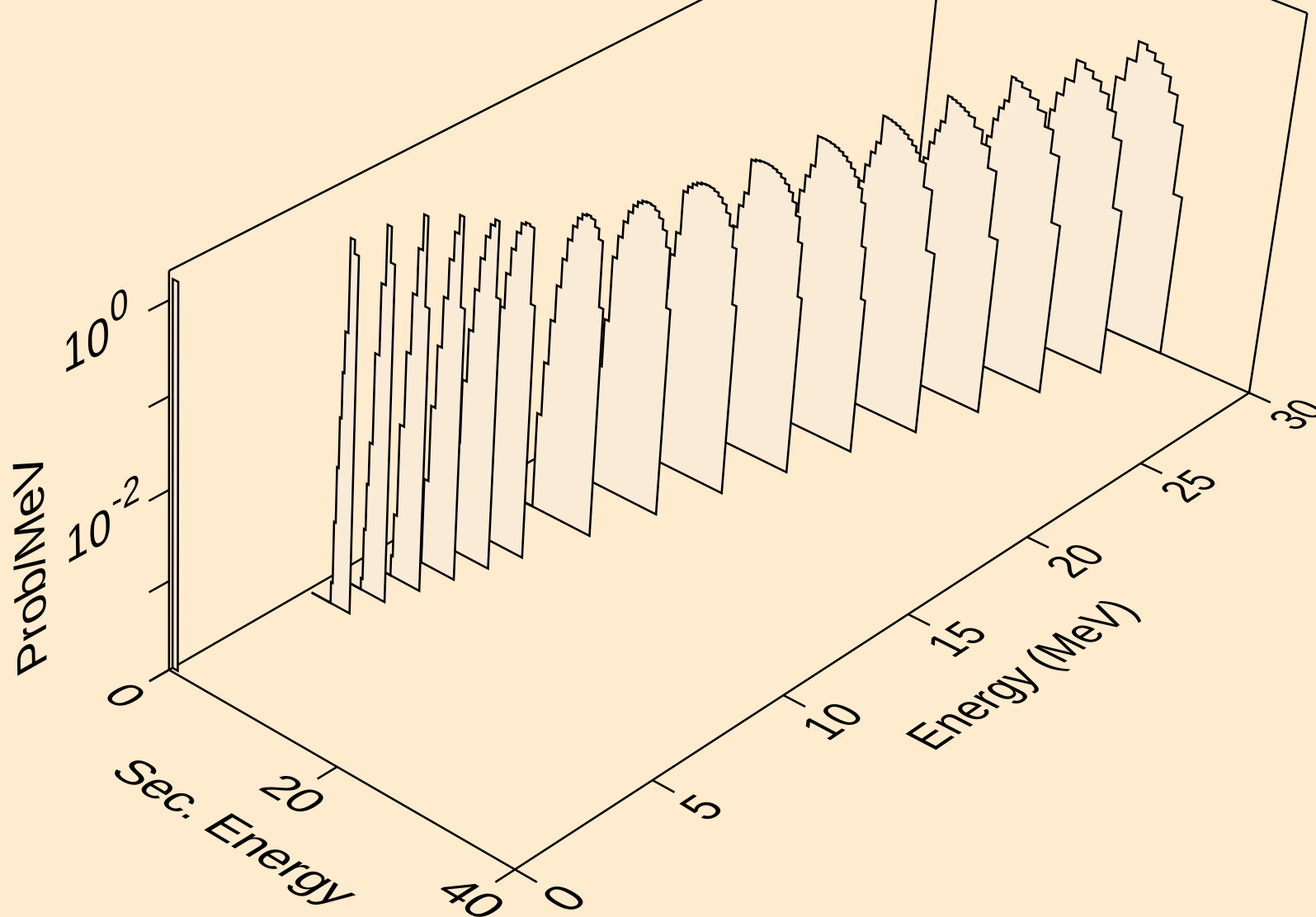
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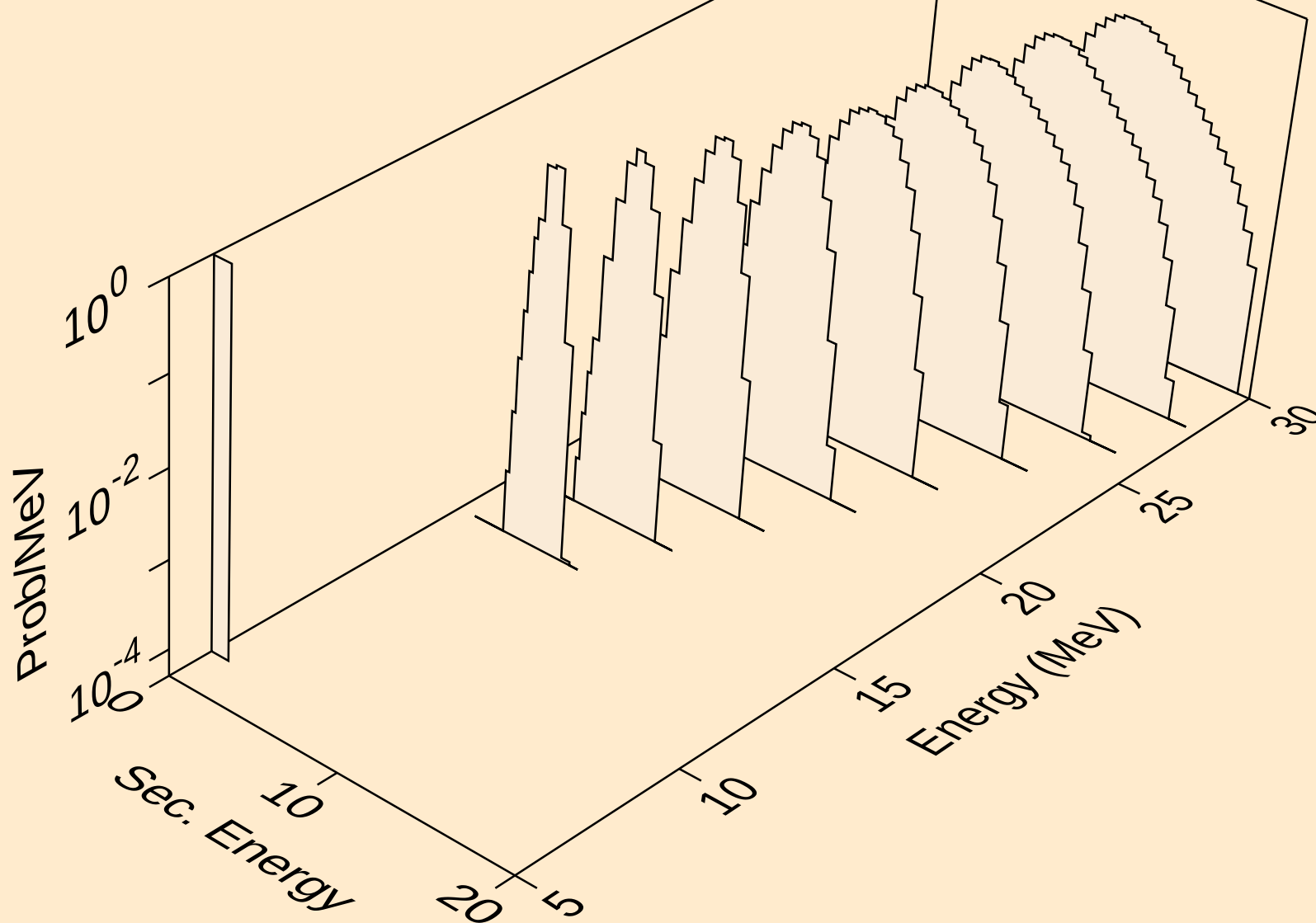
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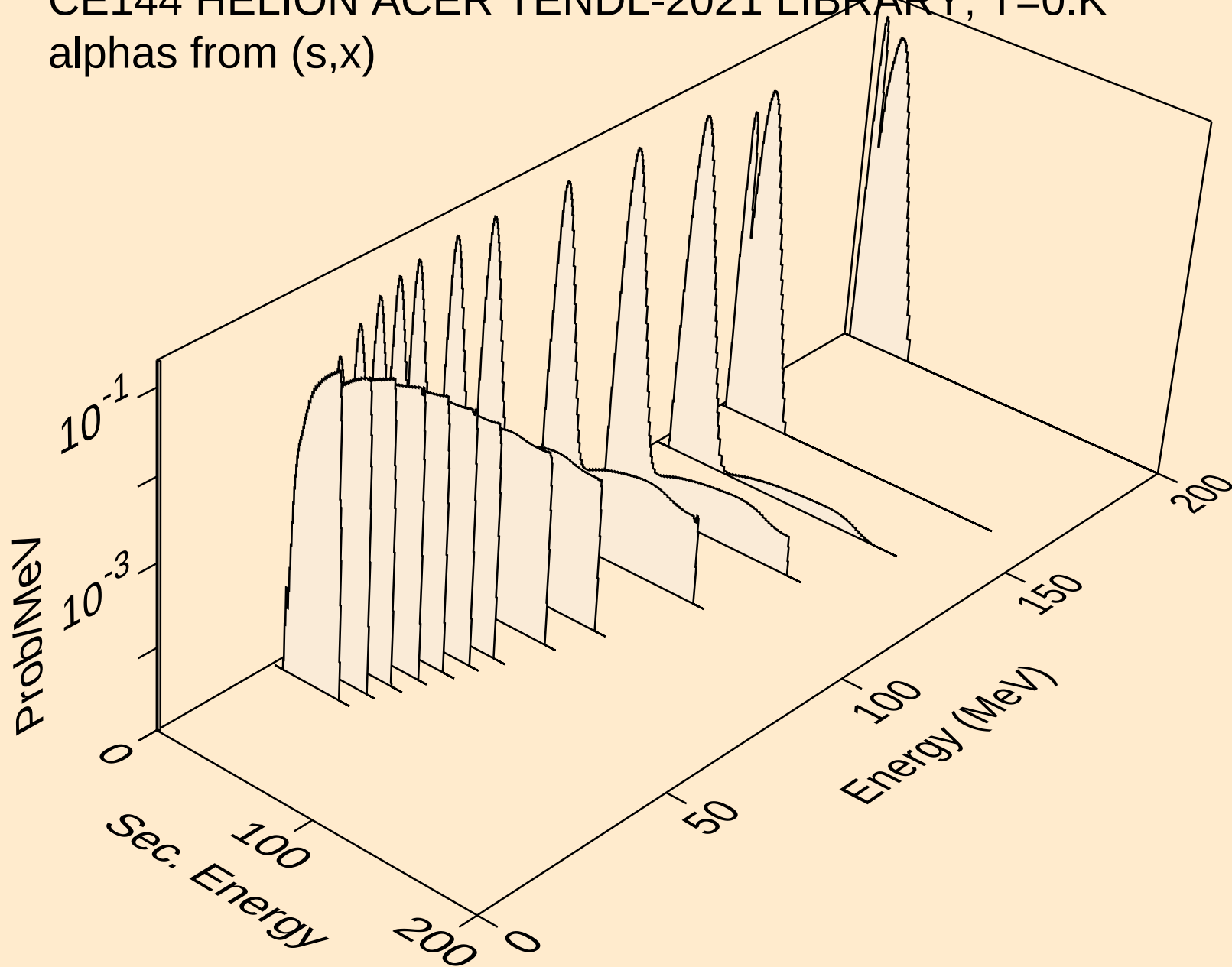
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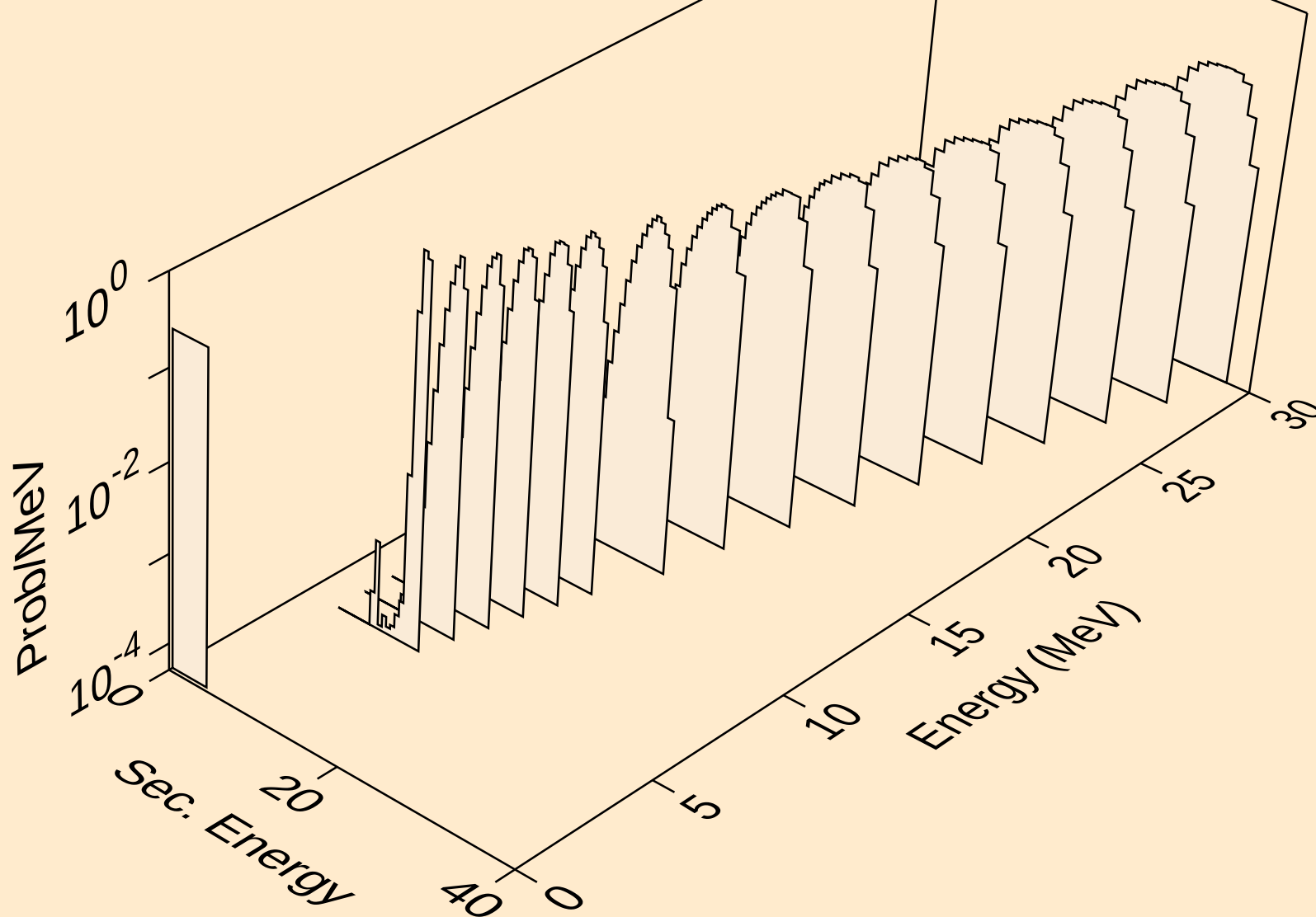
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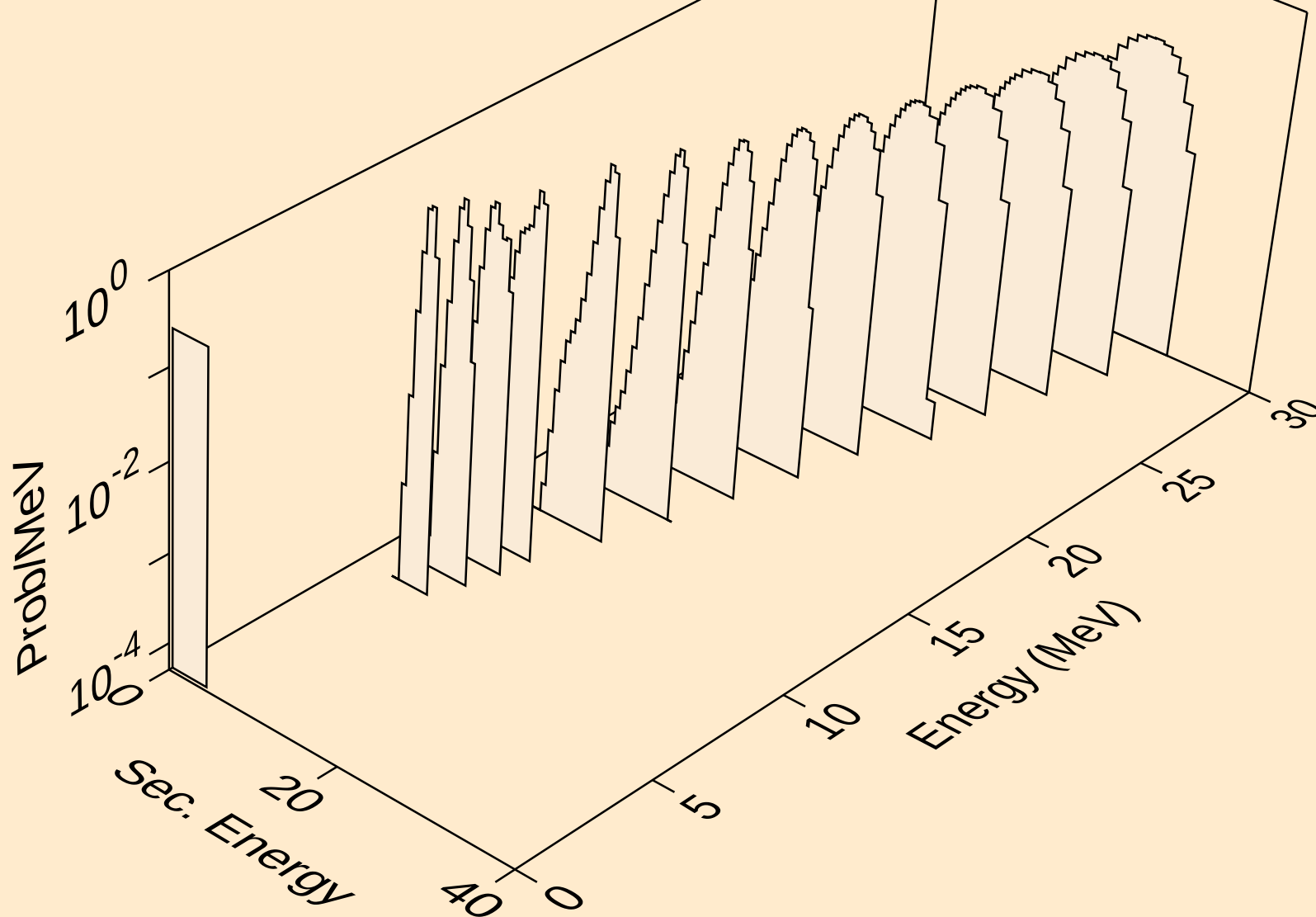
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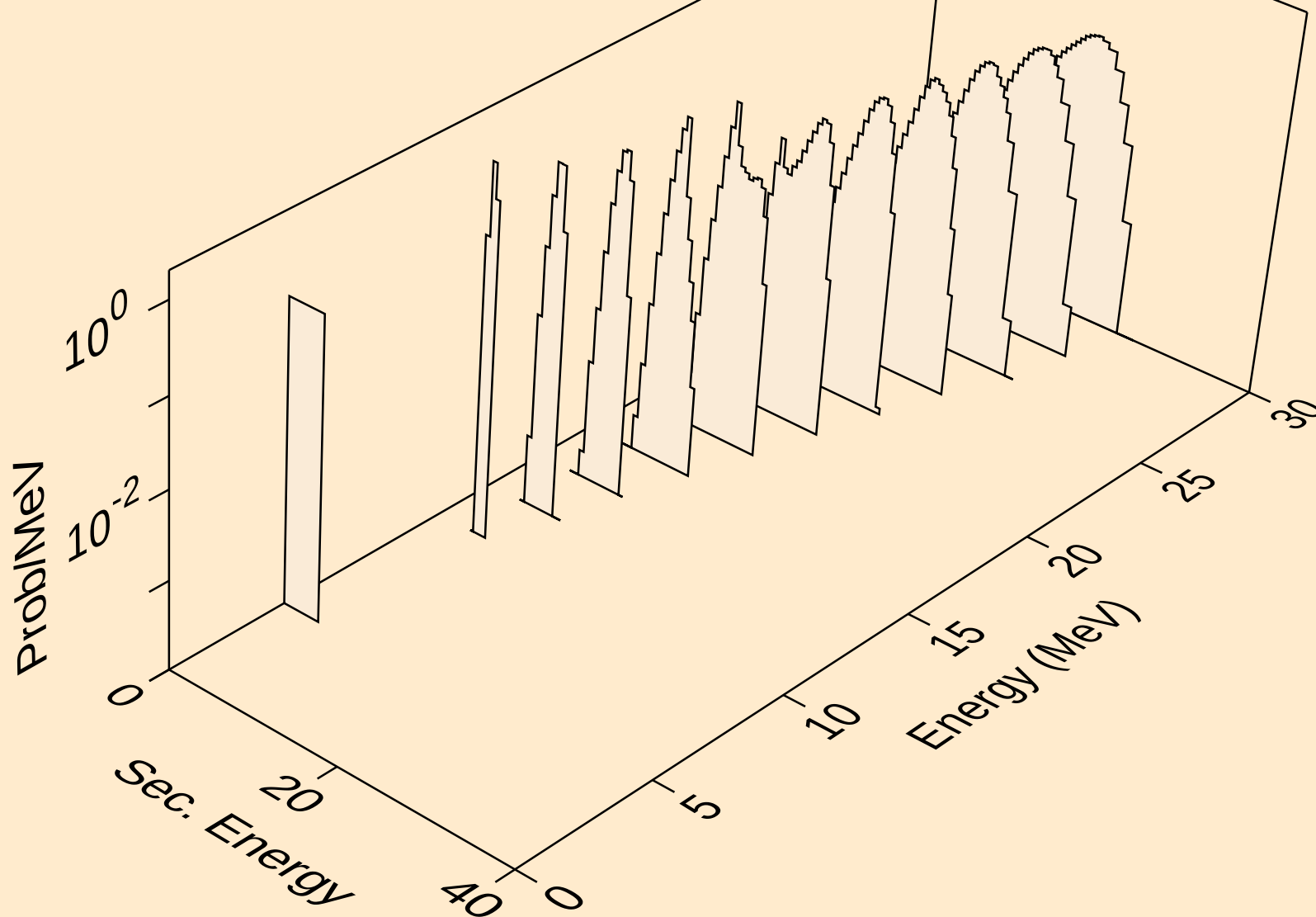
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alphas from (s,n\*)a



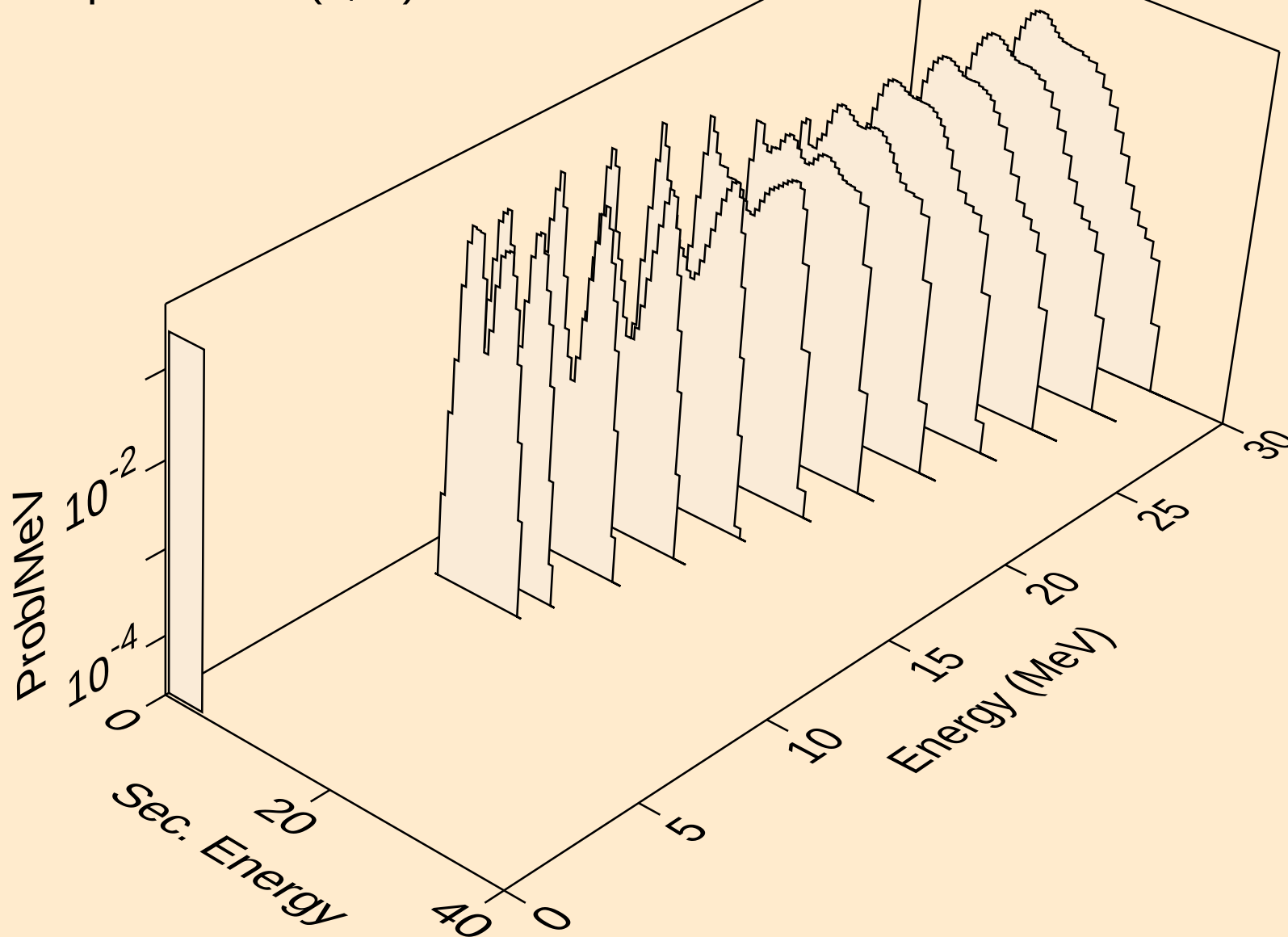
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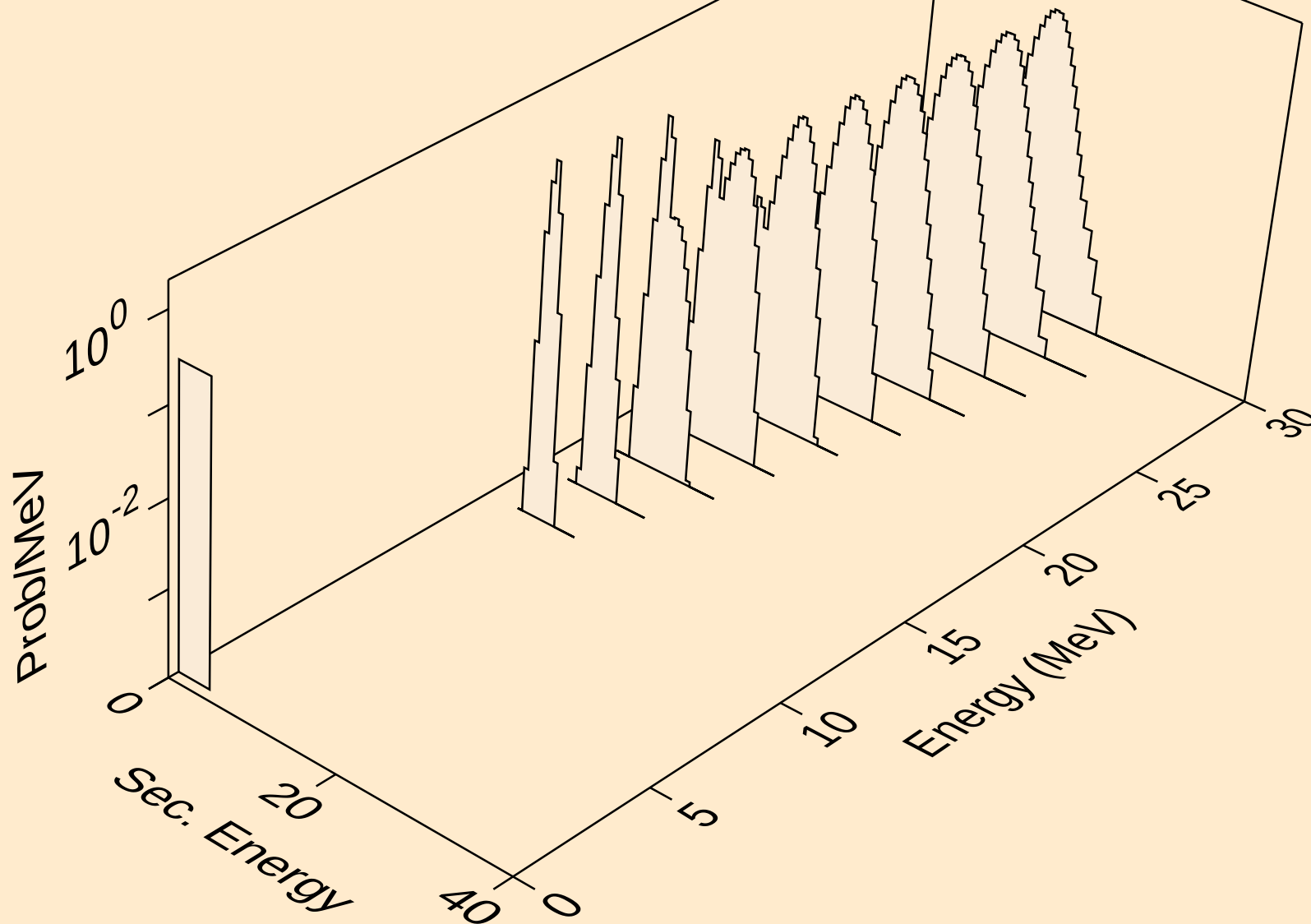
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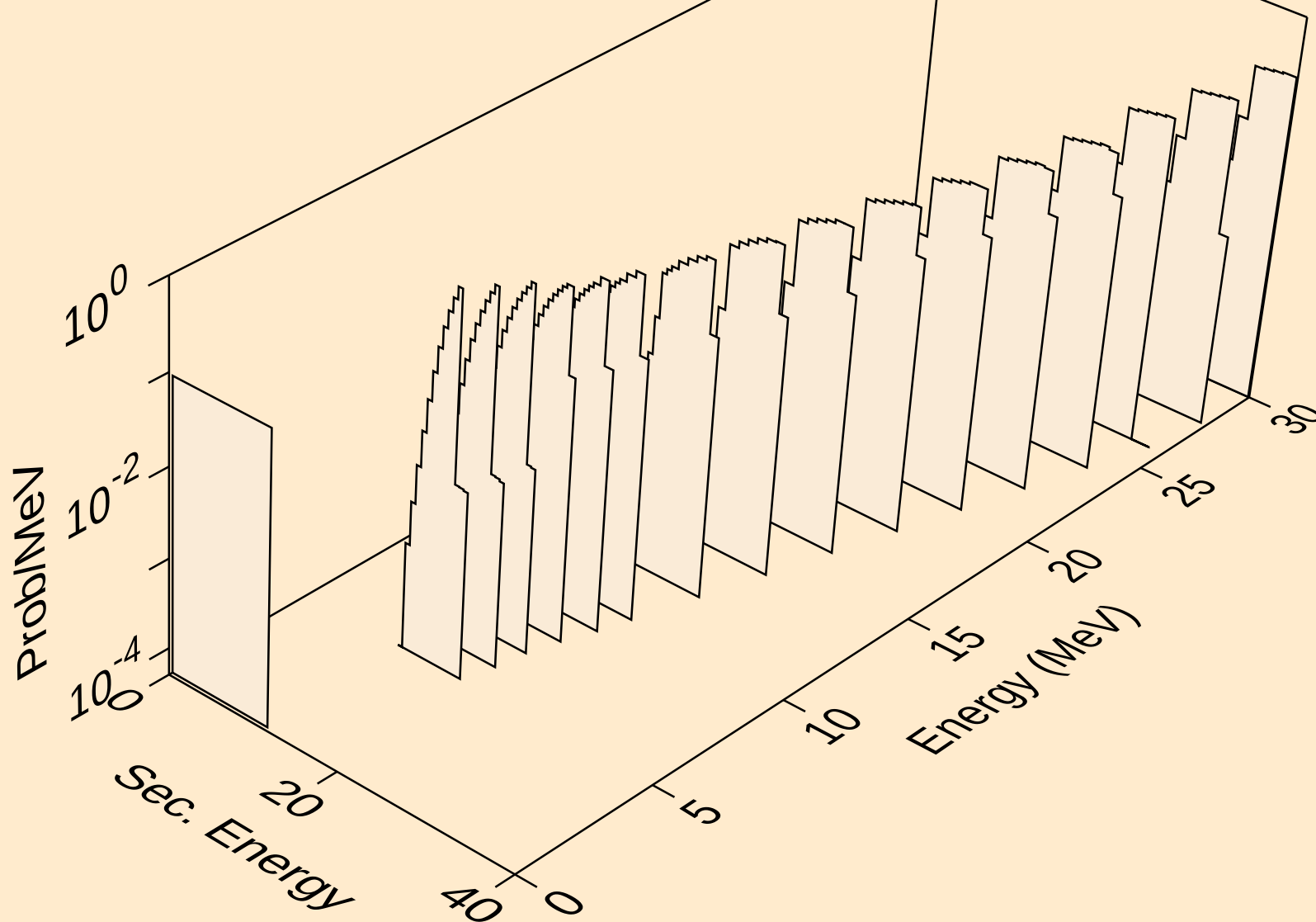
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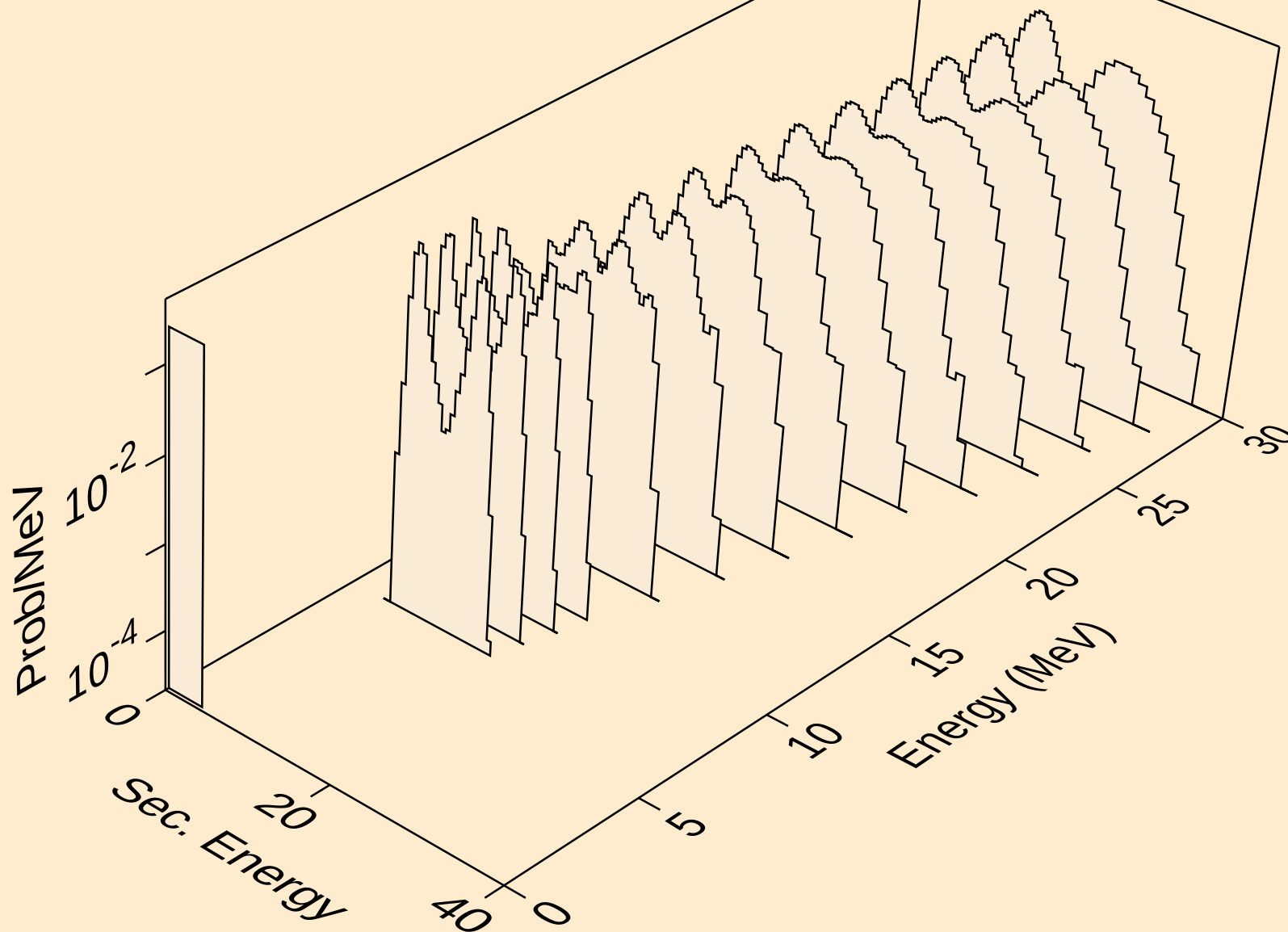
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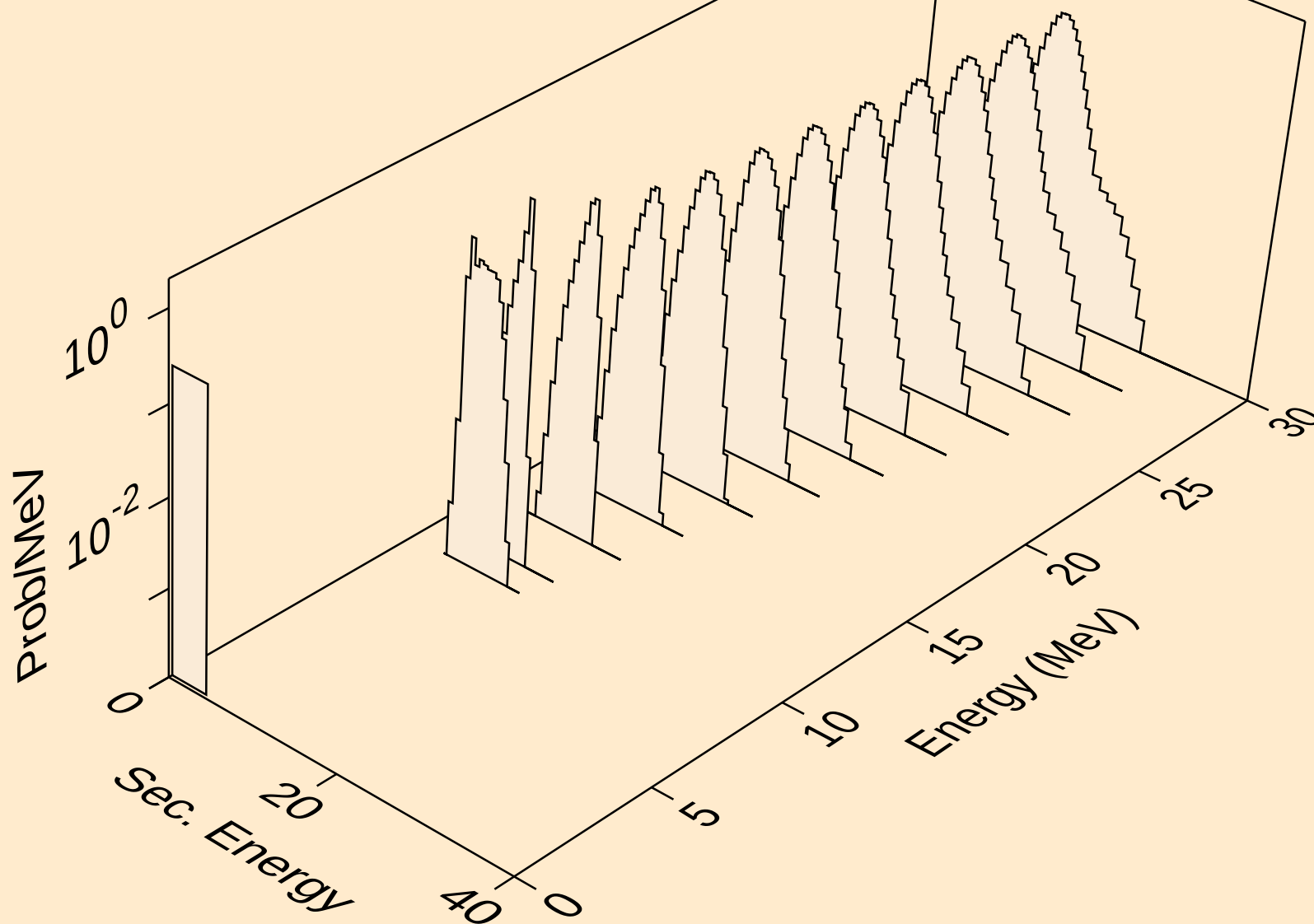
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alphas from (s,a)



CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,2a)



CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,pa)



CE144 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,da)

