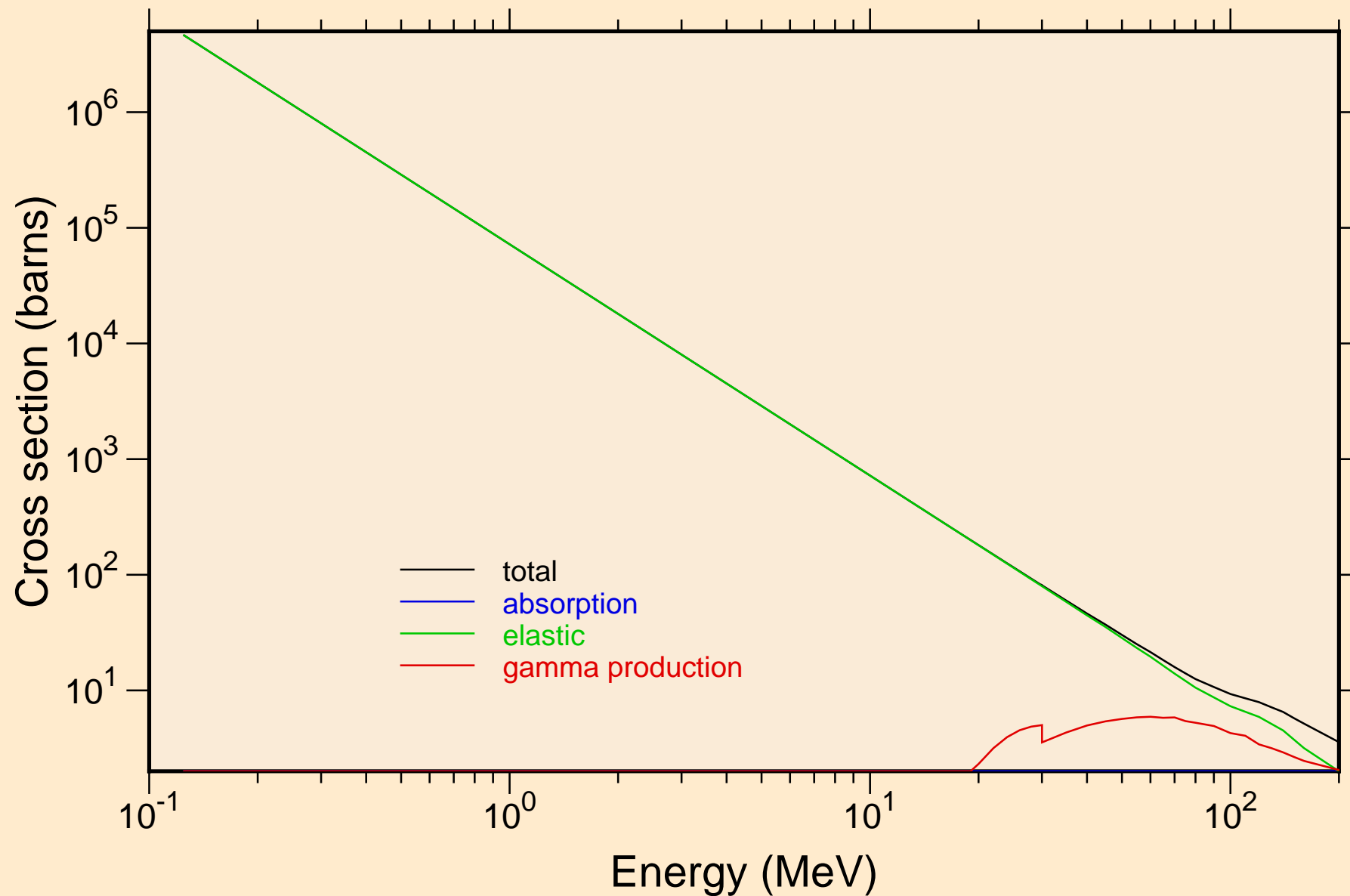


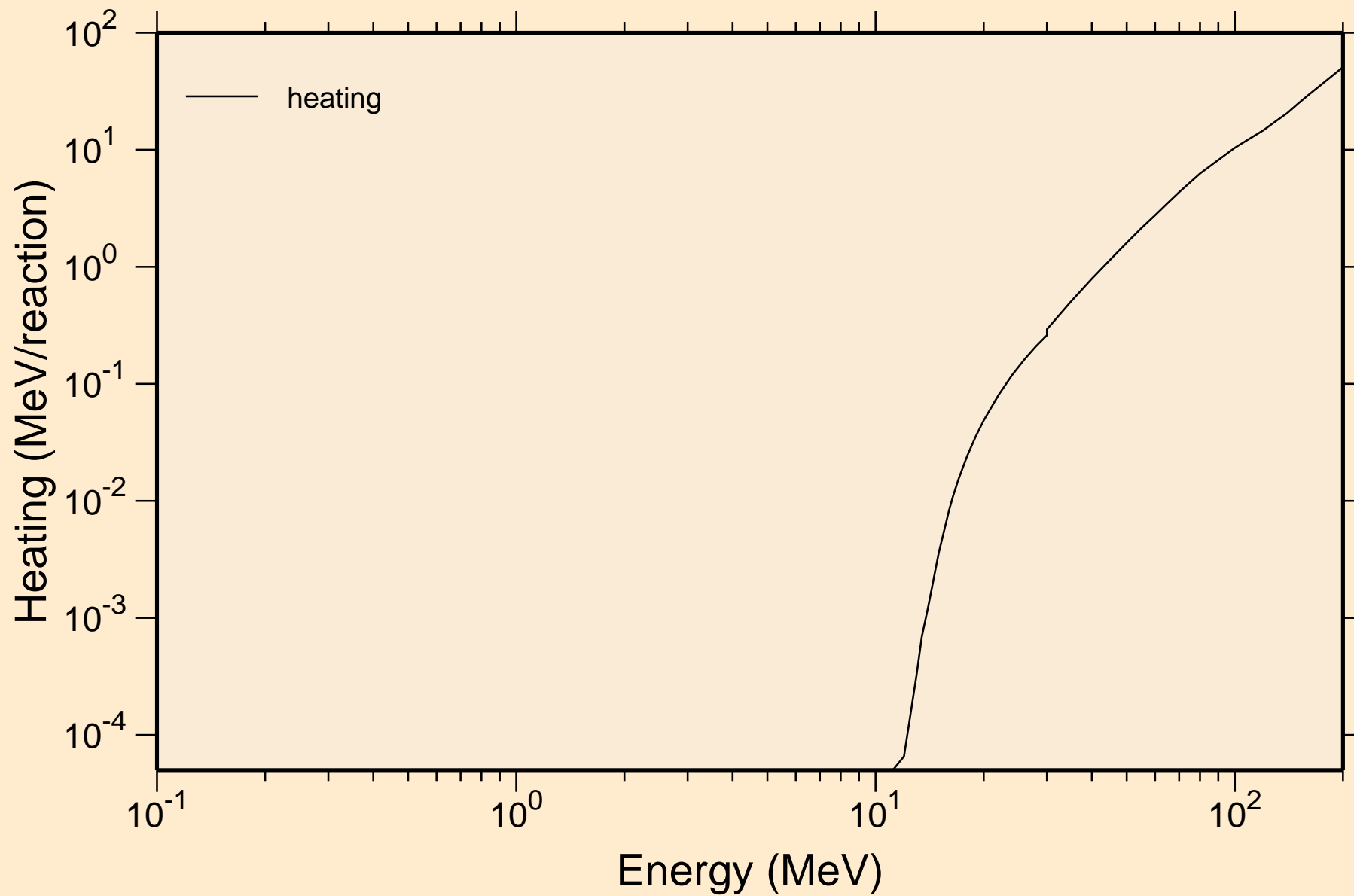
# I133 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



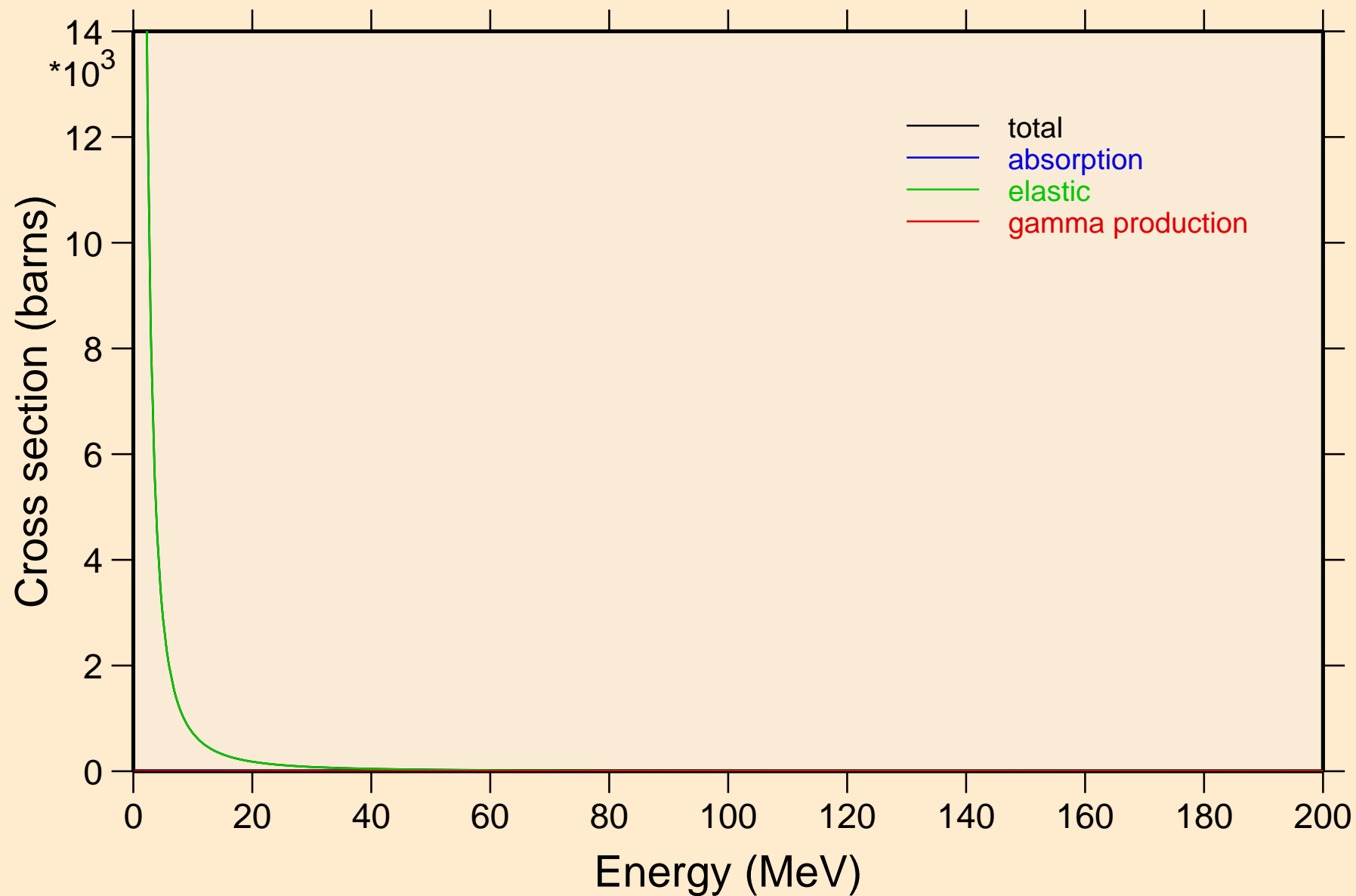
# I133 HELION ACER TENDL-2021 LIBRARY; T=0.K

Heating



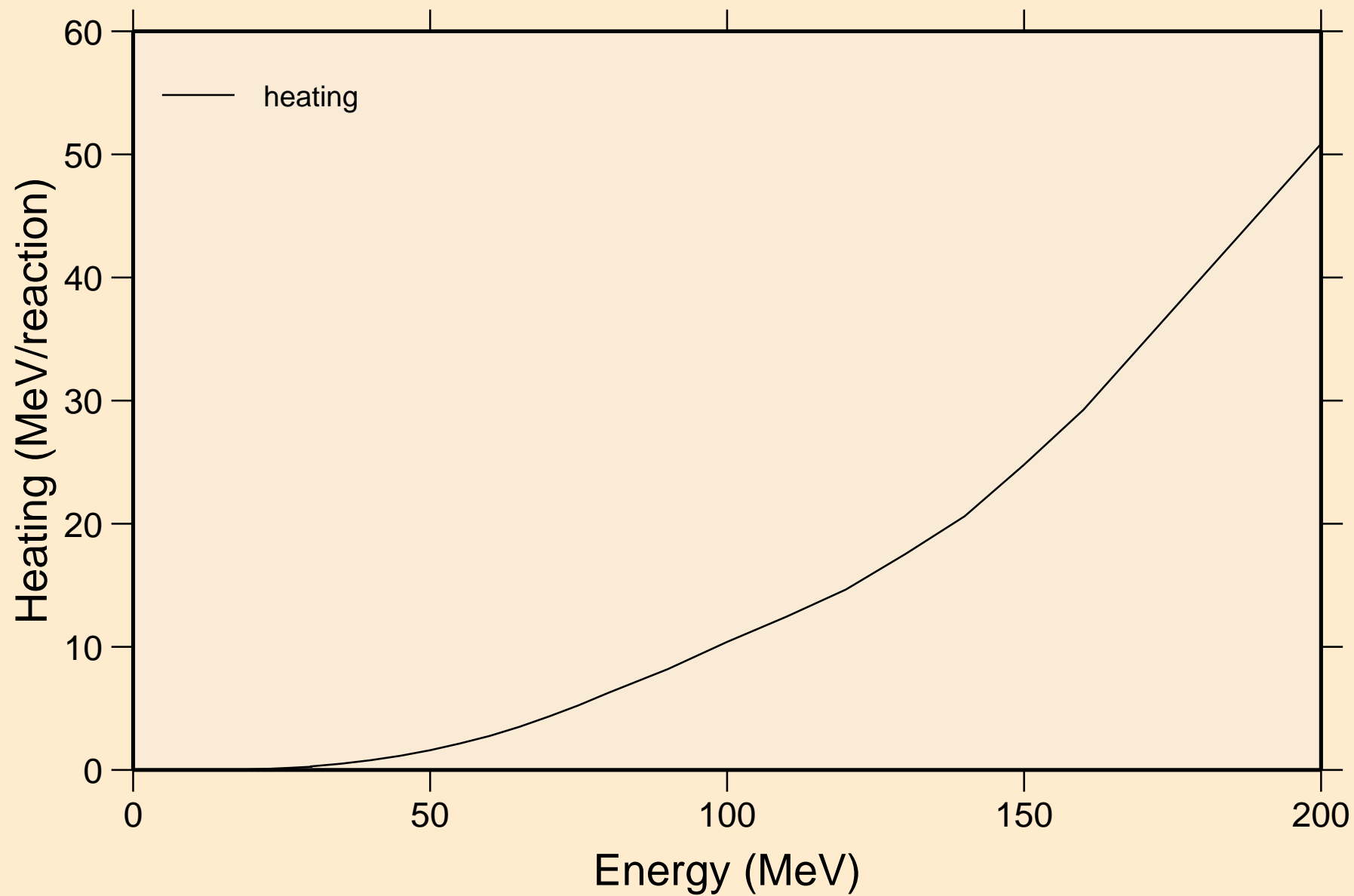
# I133 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



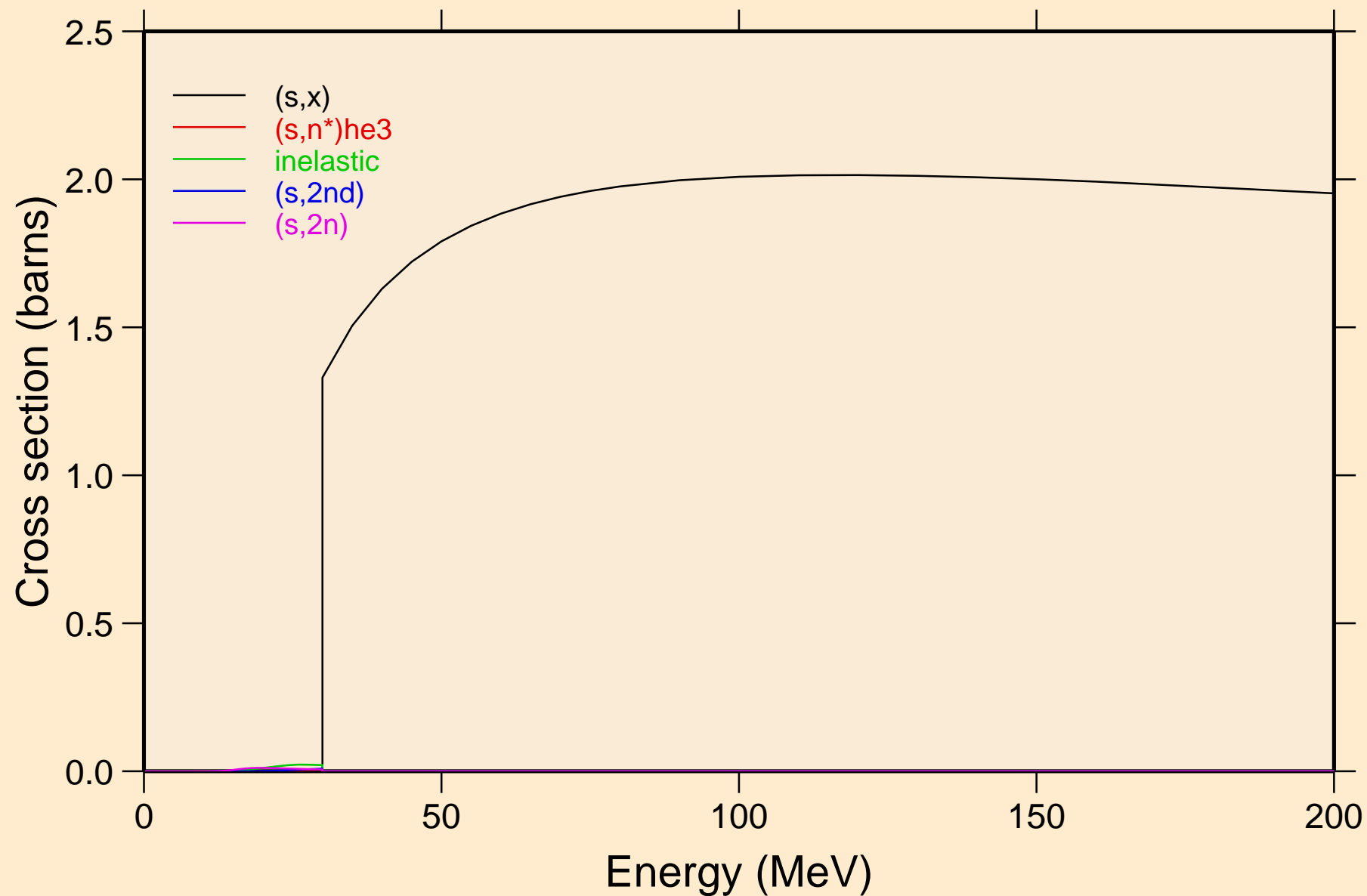
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K

Heating



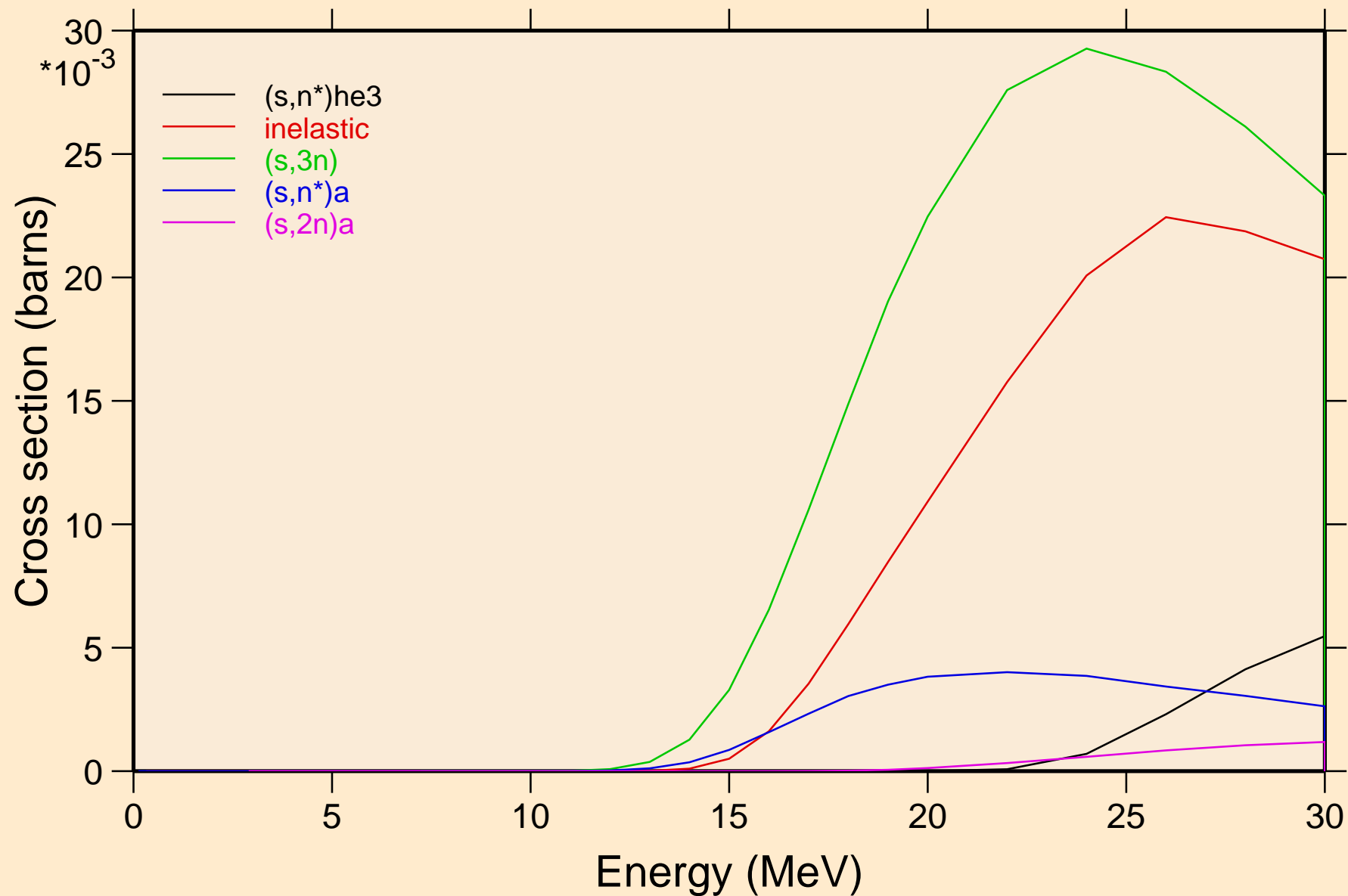
# I133 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



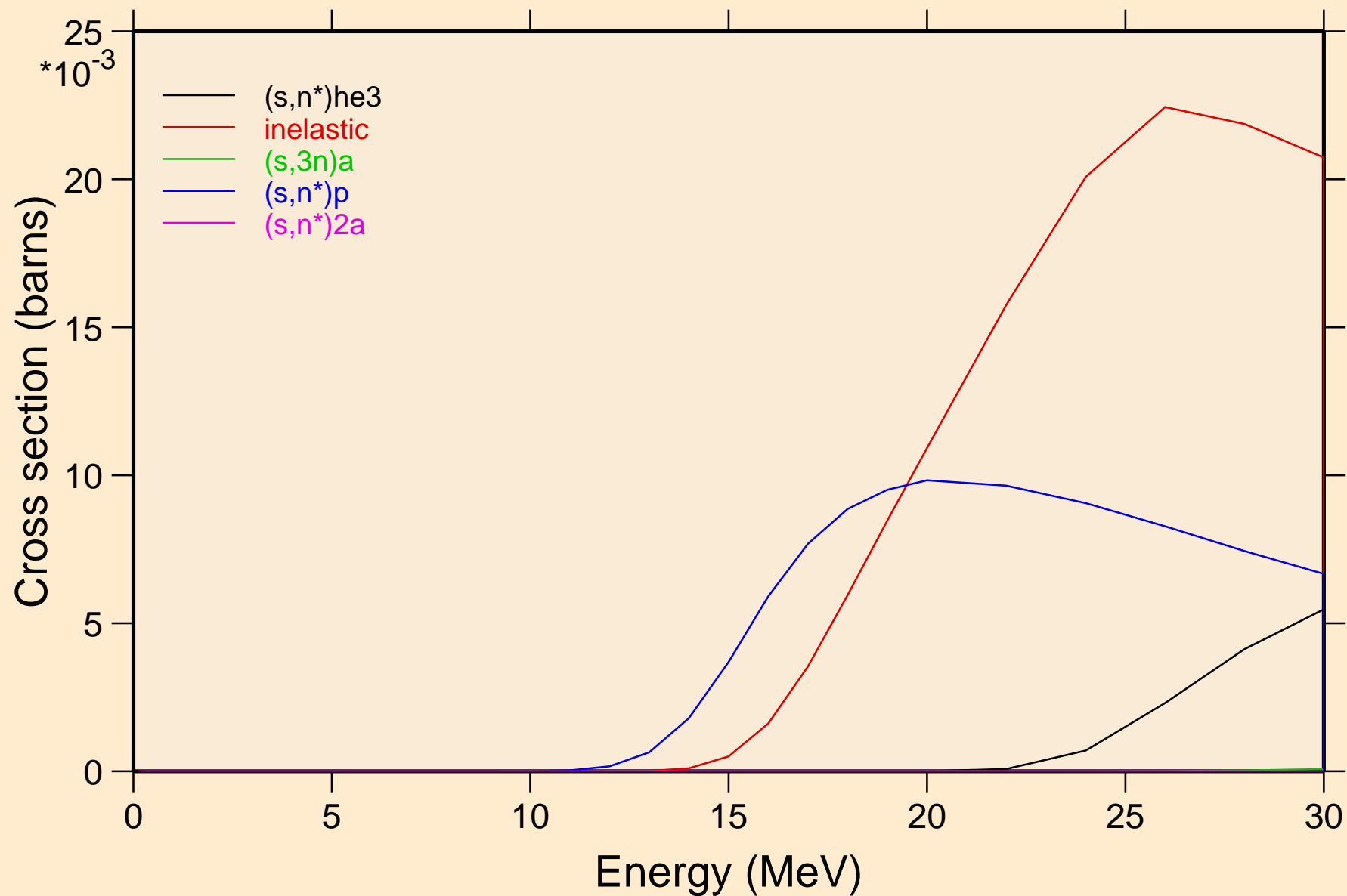
# I133 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



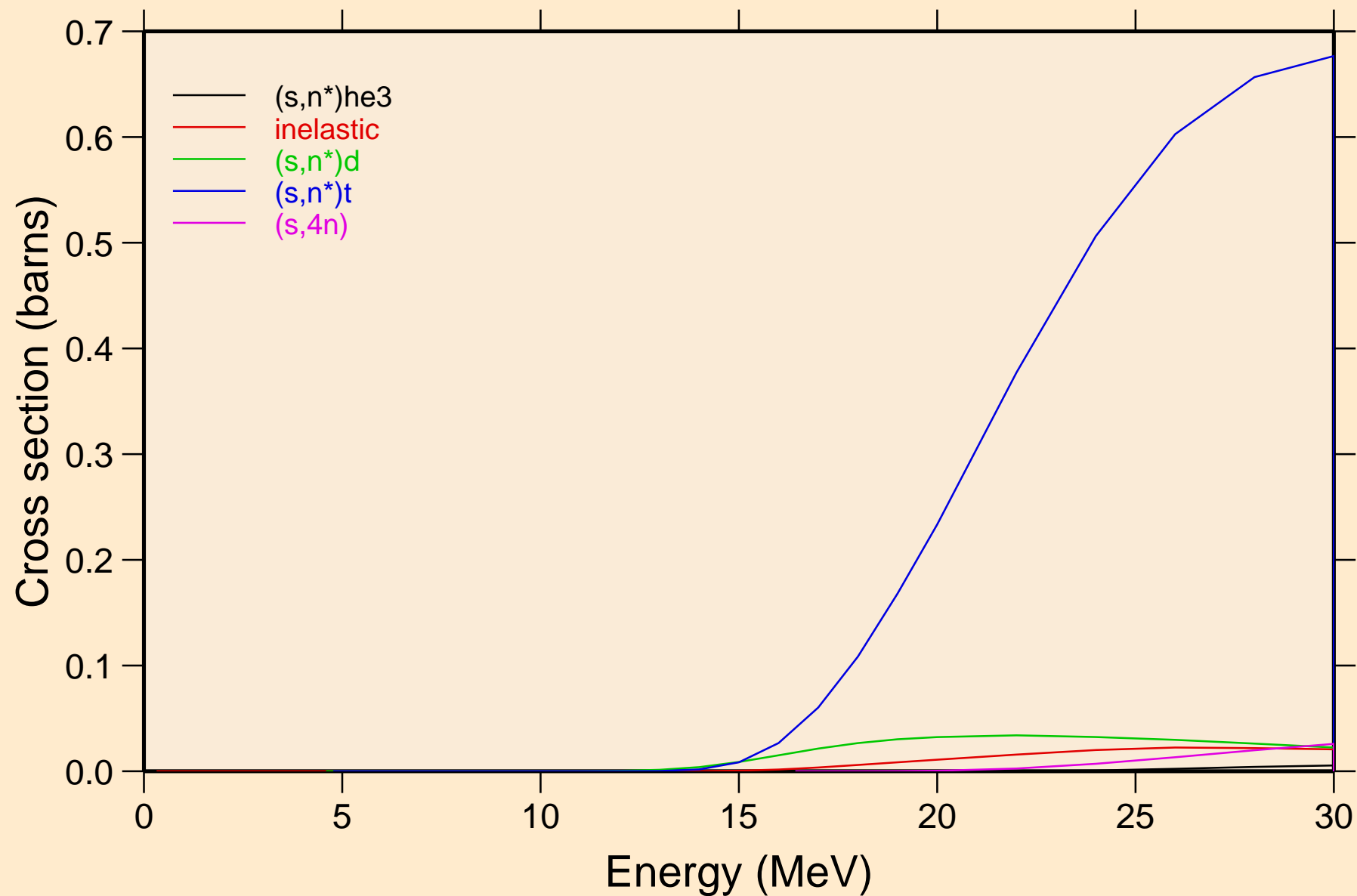
# I133 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



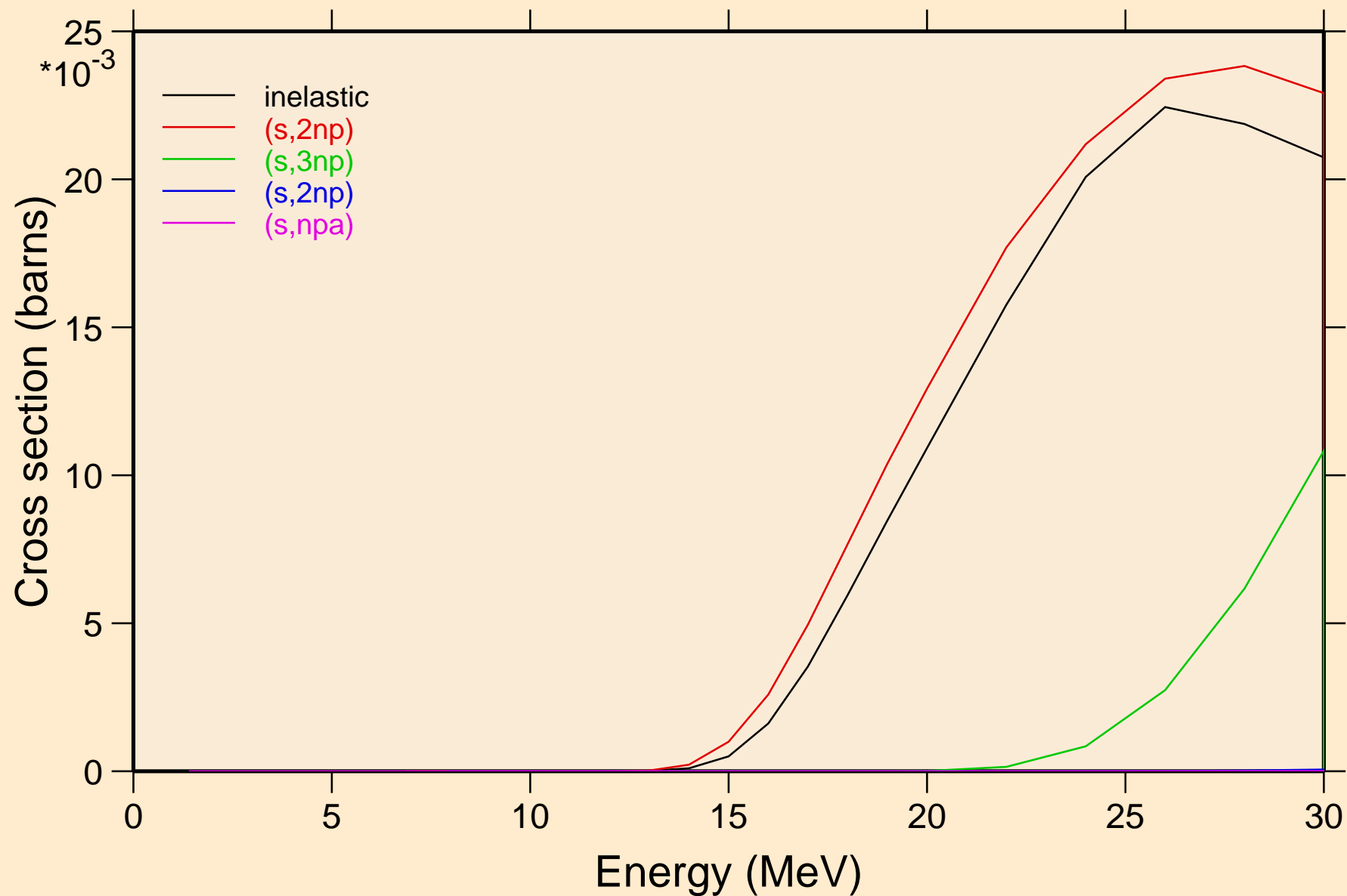
# I133 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



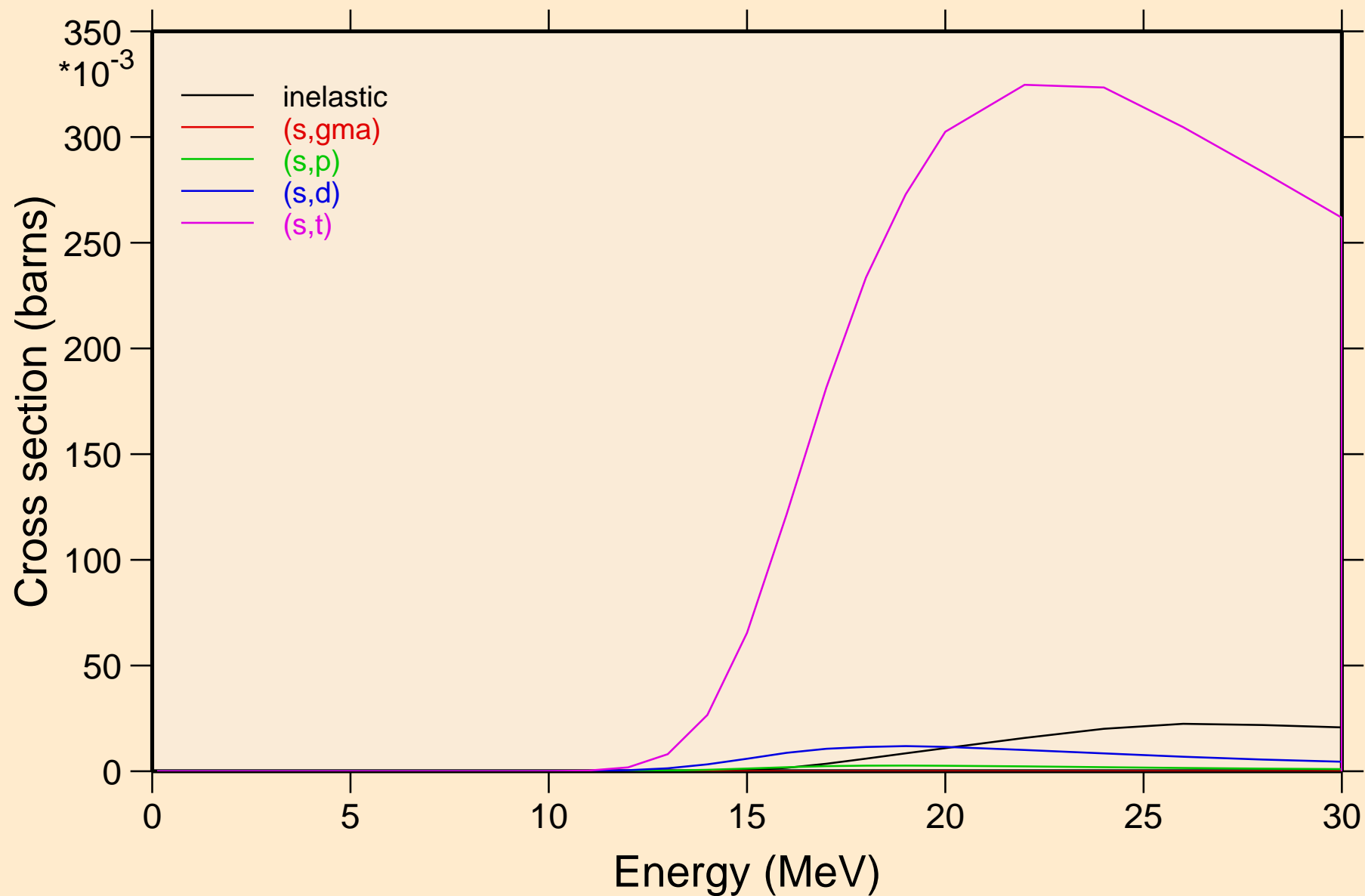
# I133 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



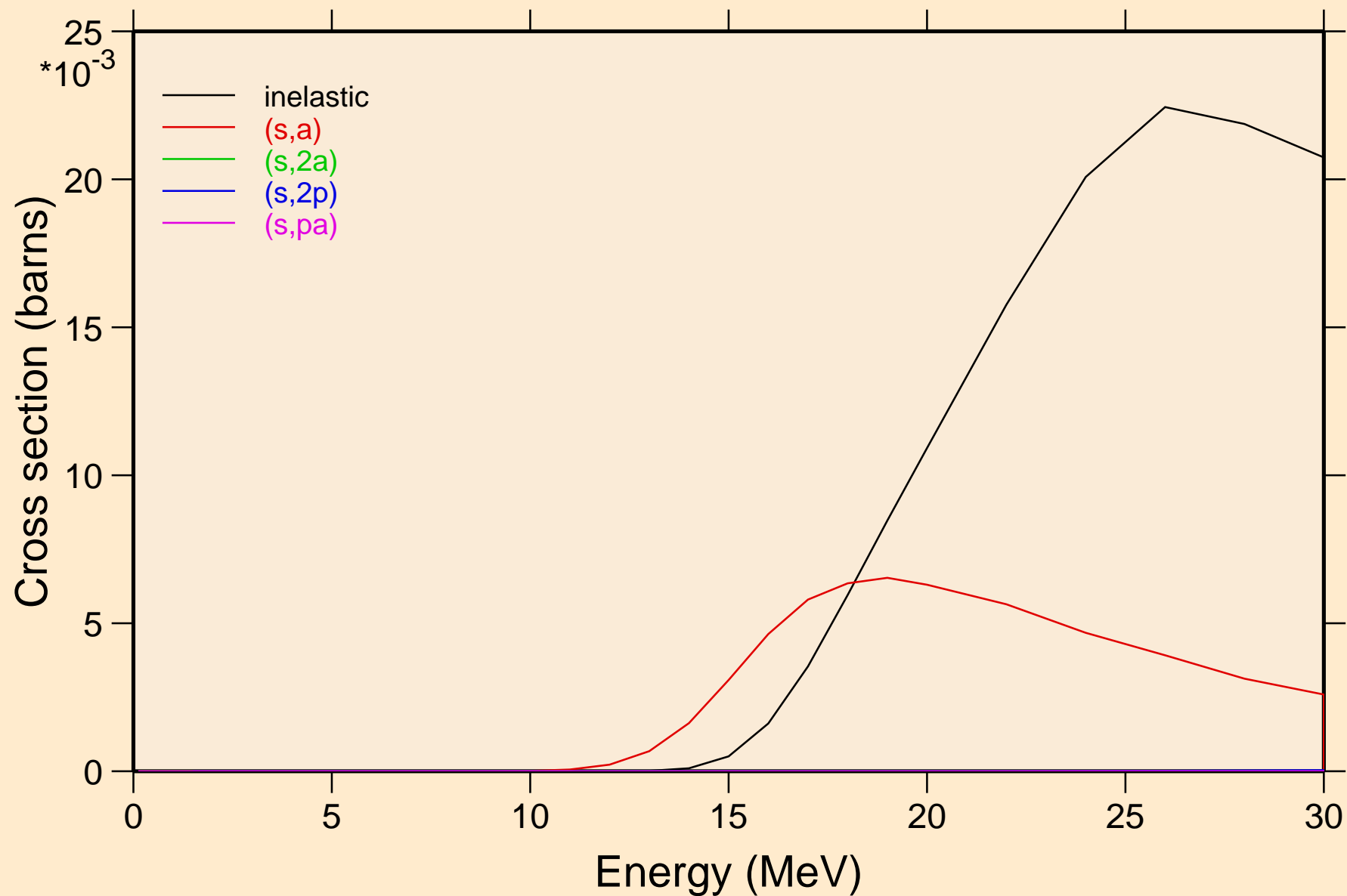
# I133 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



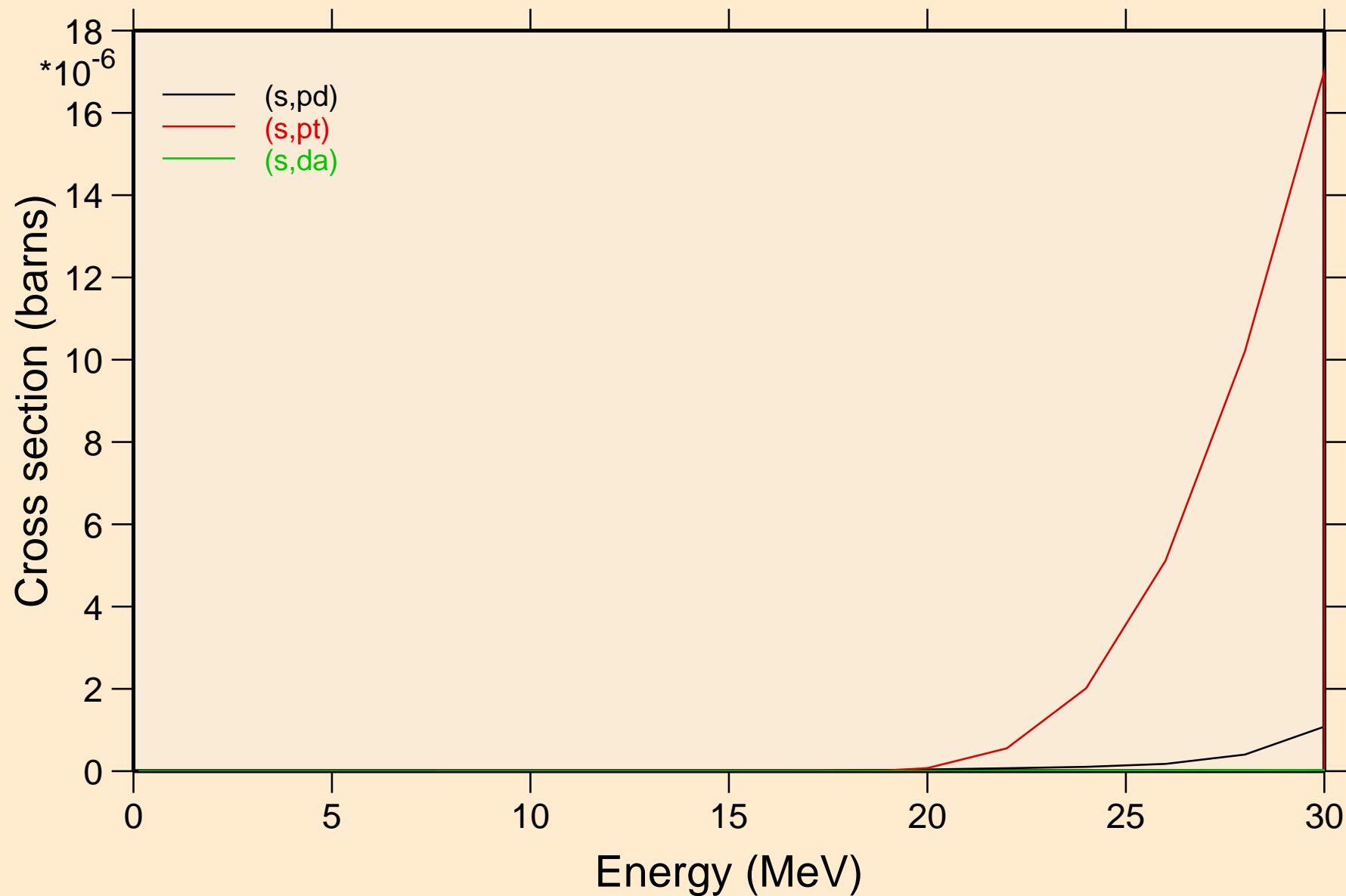
# I133 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions

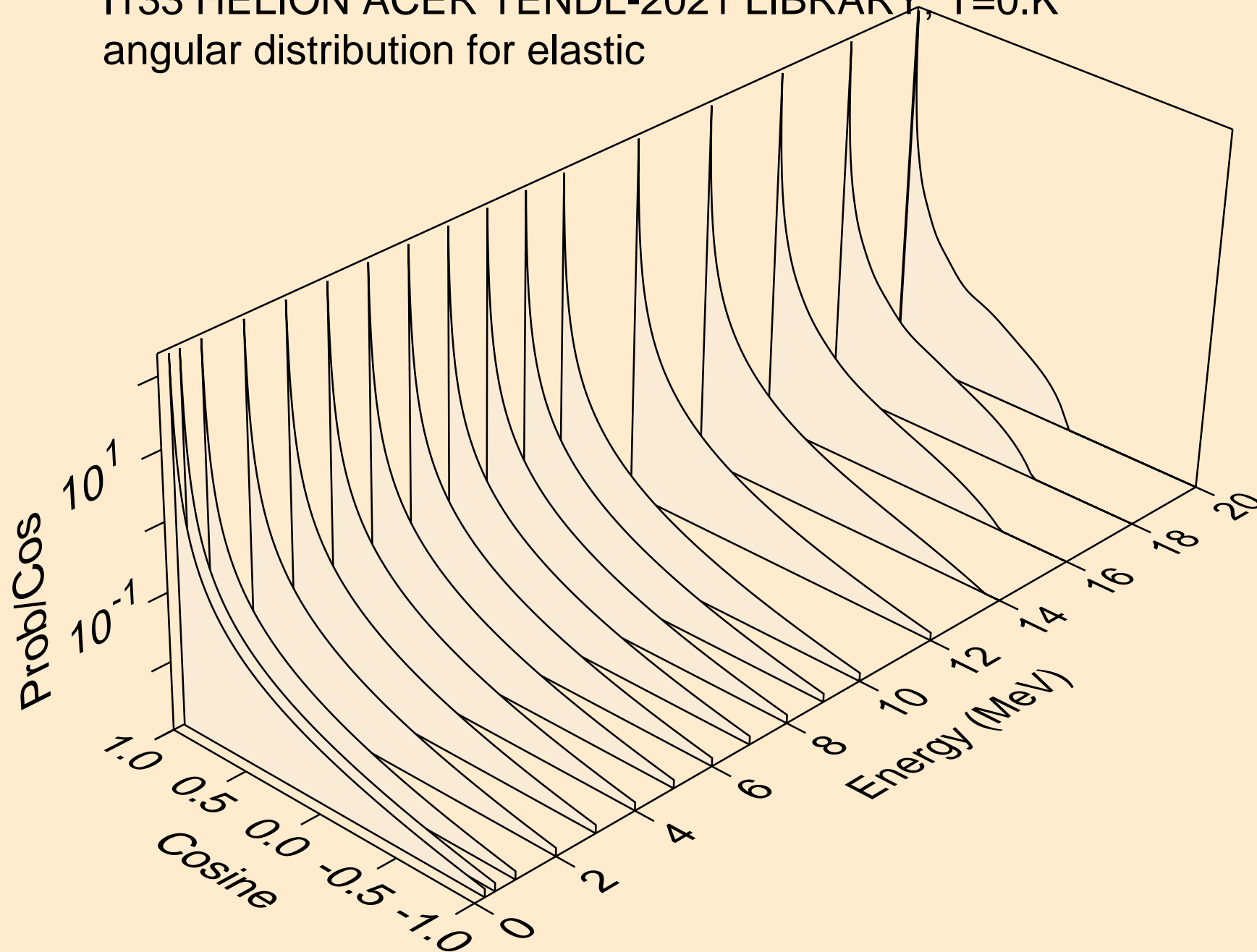


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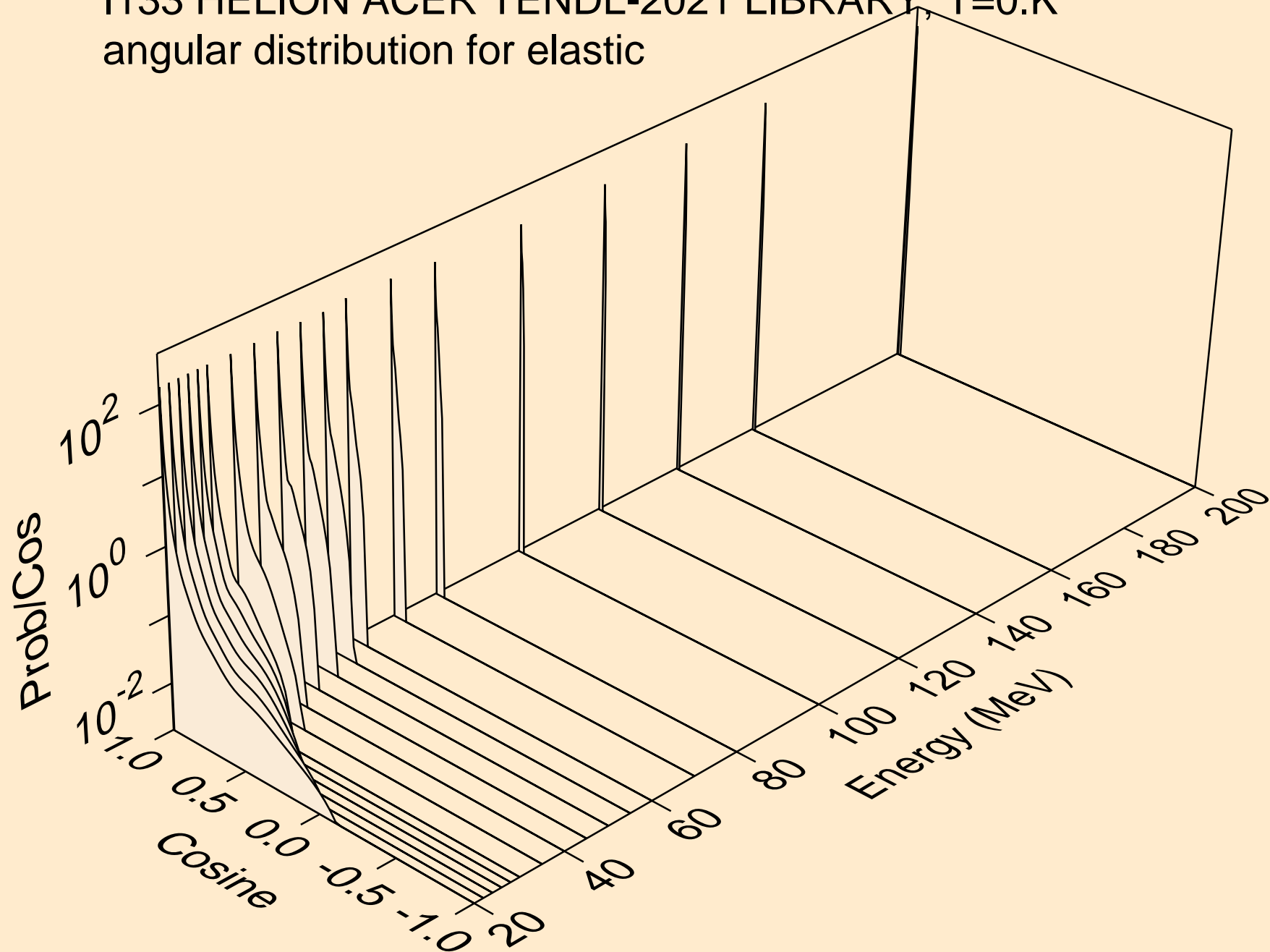
Threshold reactions



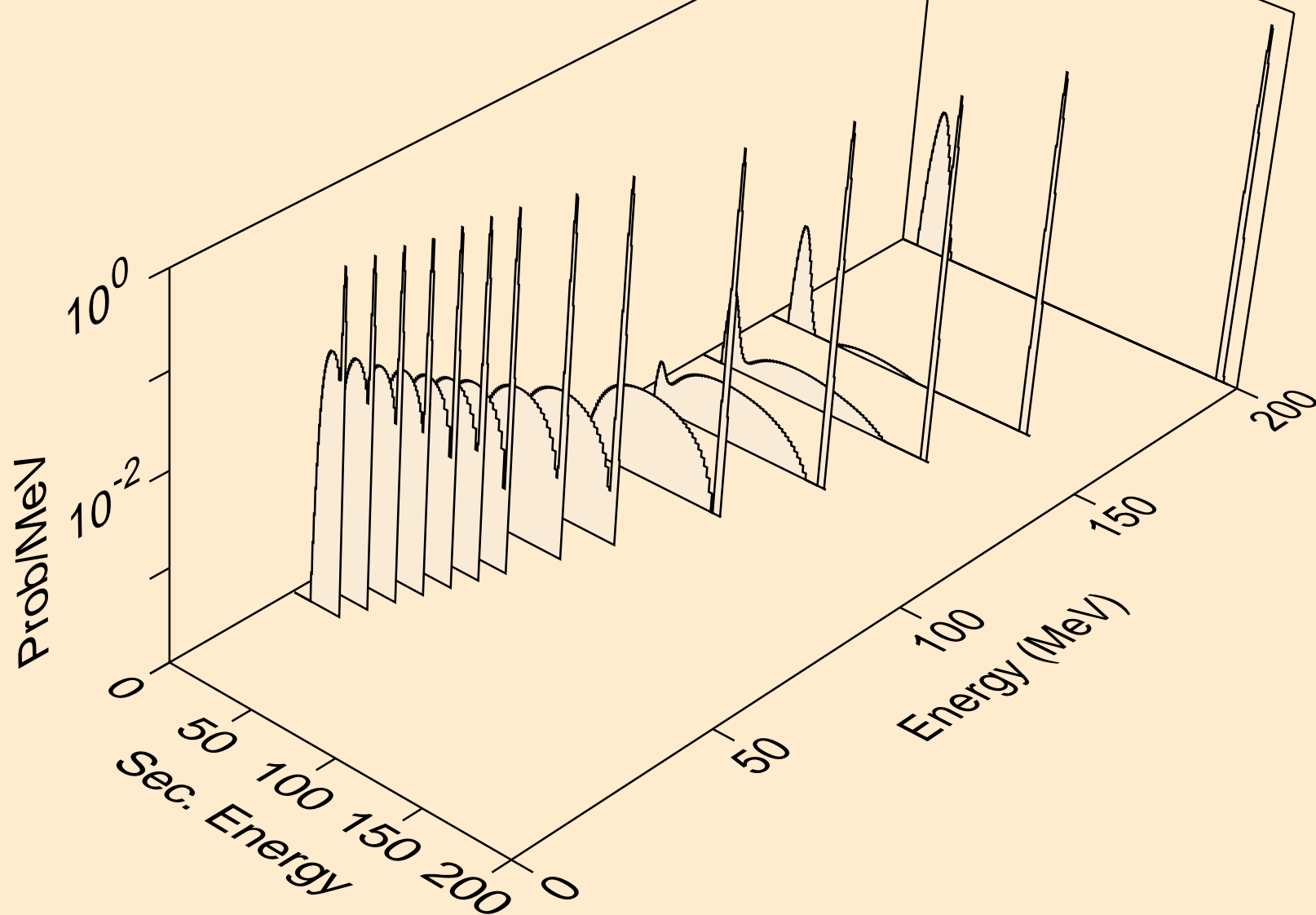
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



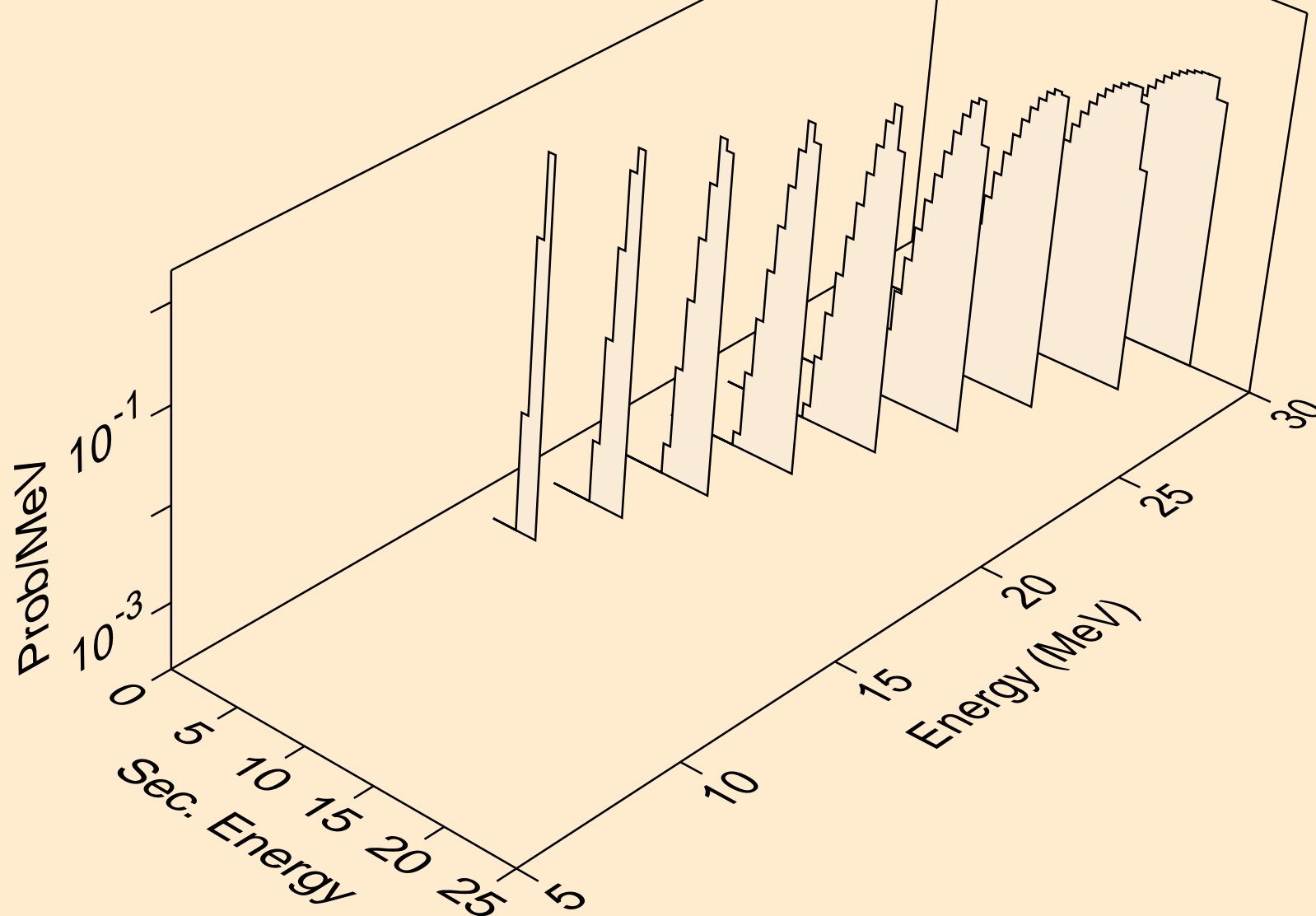
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



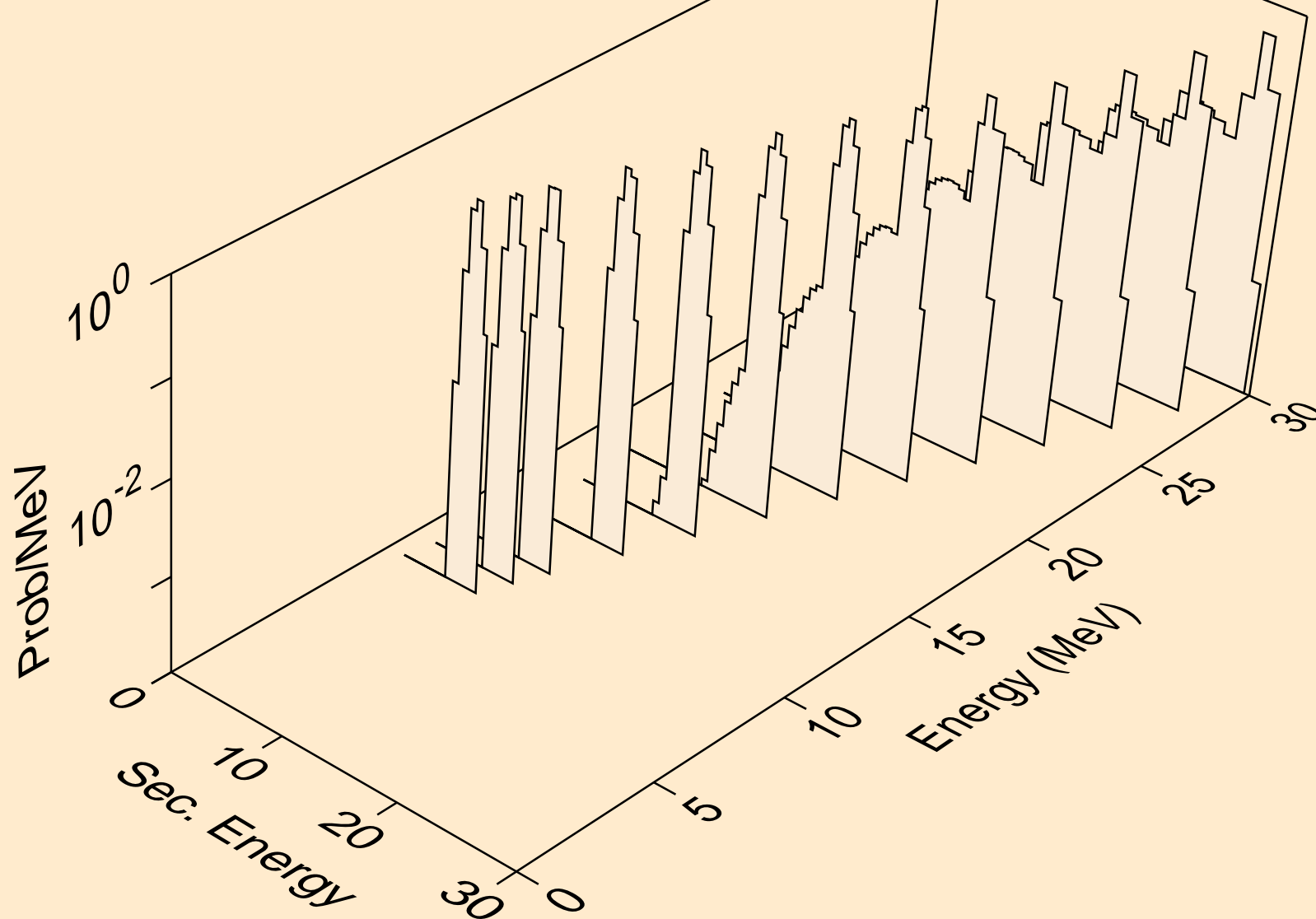
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,x)



I133 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3

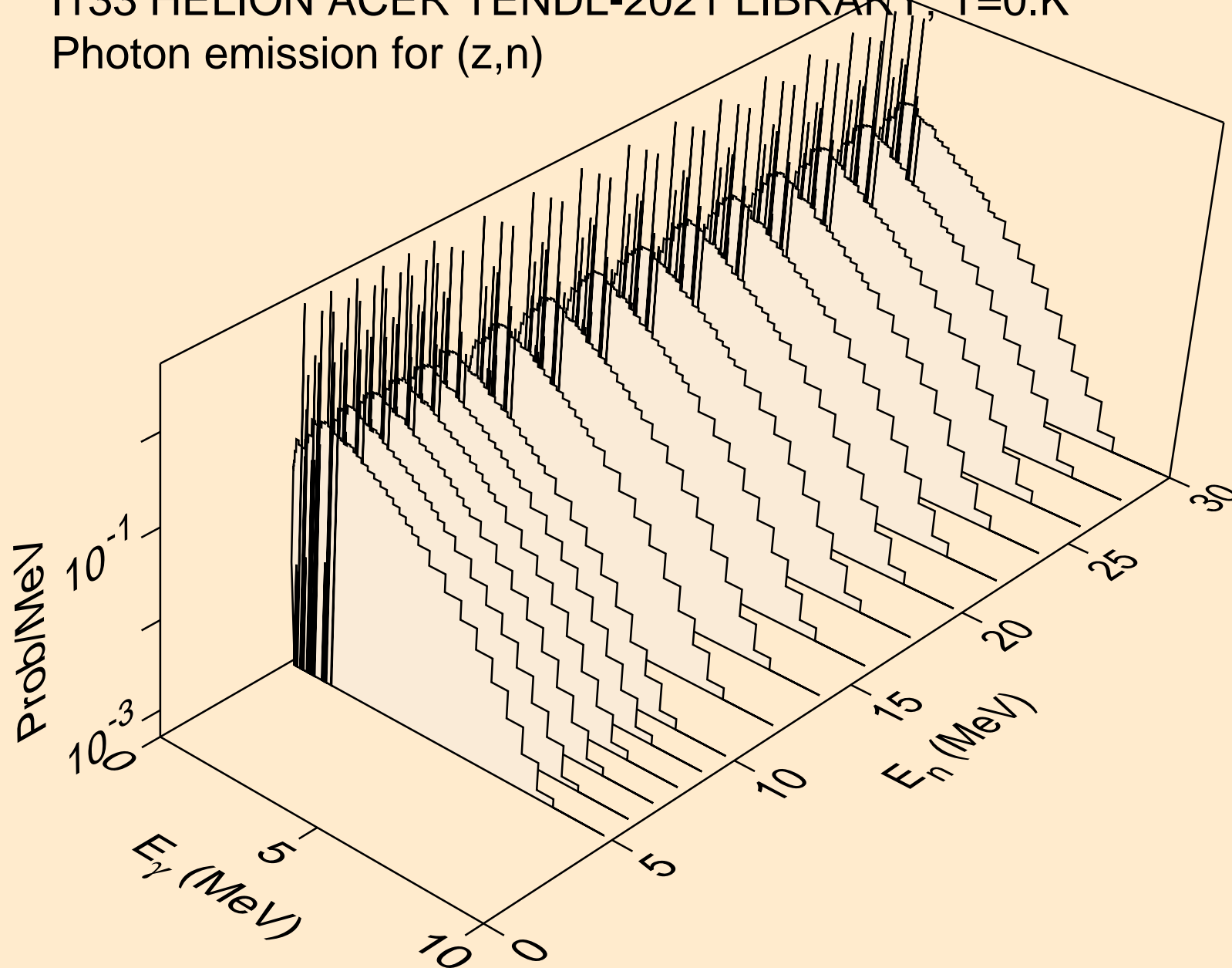


I133 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for inelastic



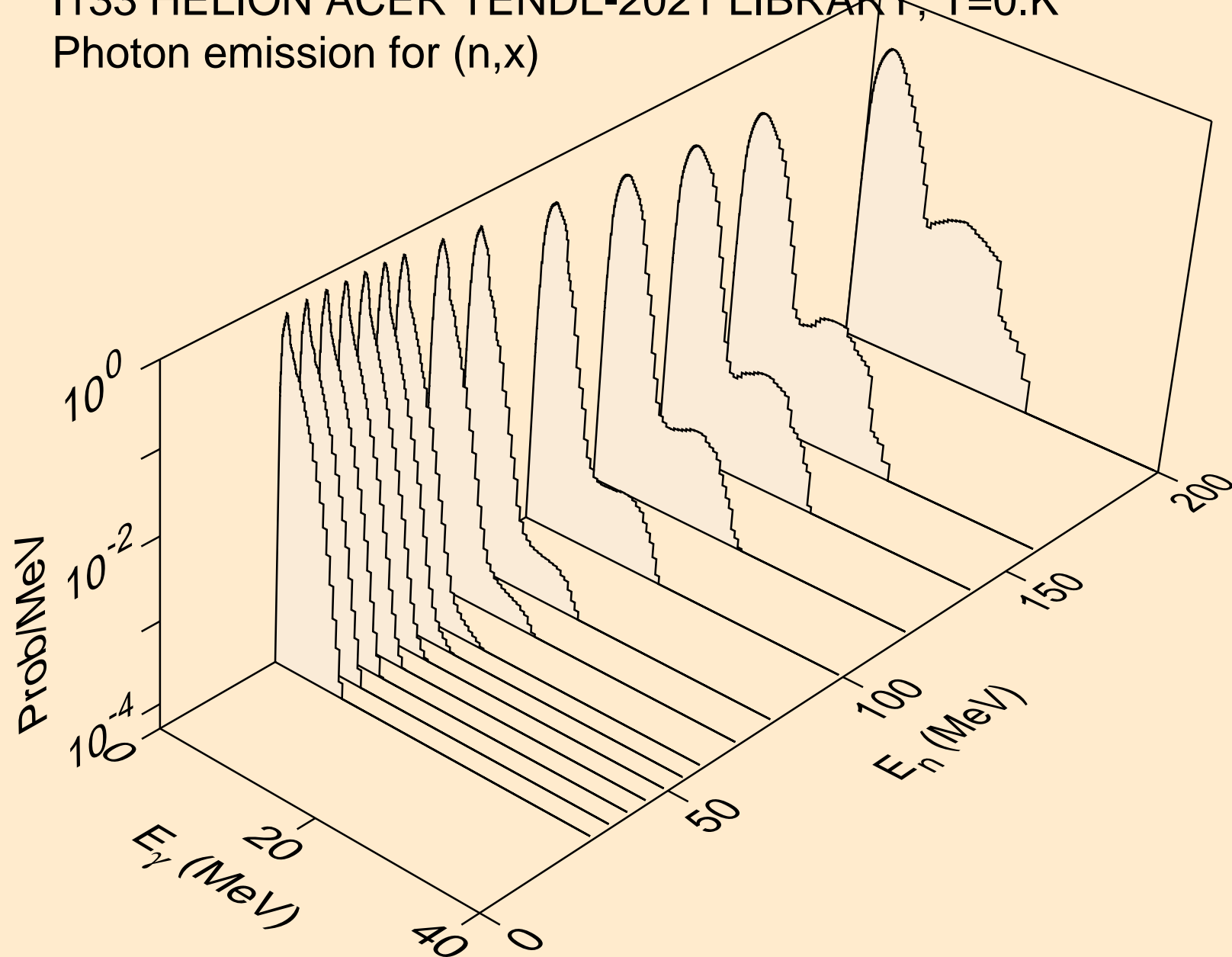
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (z,n)

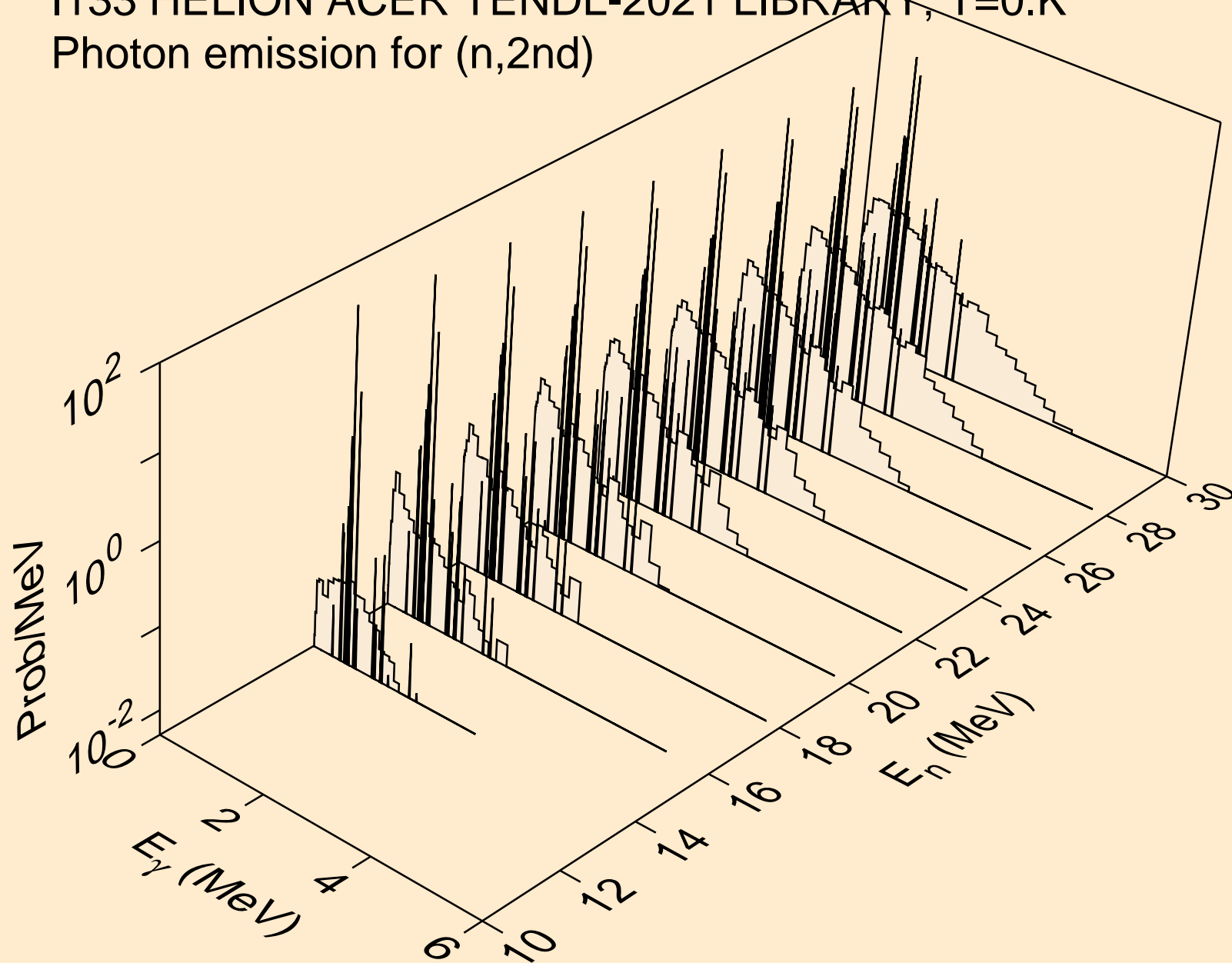


I133 HELION ACER TENDL-2021 LIBRARY; T=0.K

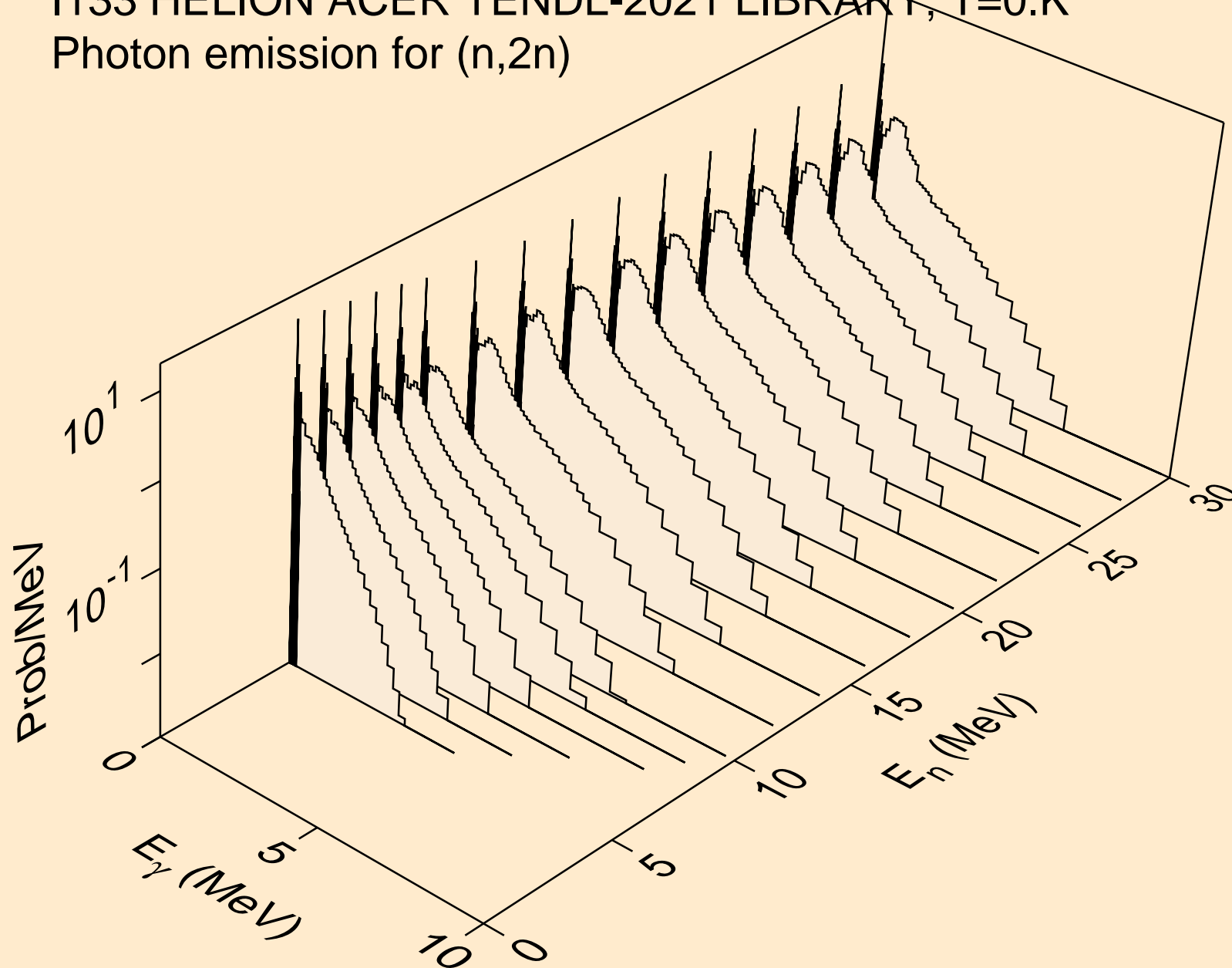
Photon emission for (n,x)



I133 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)

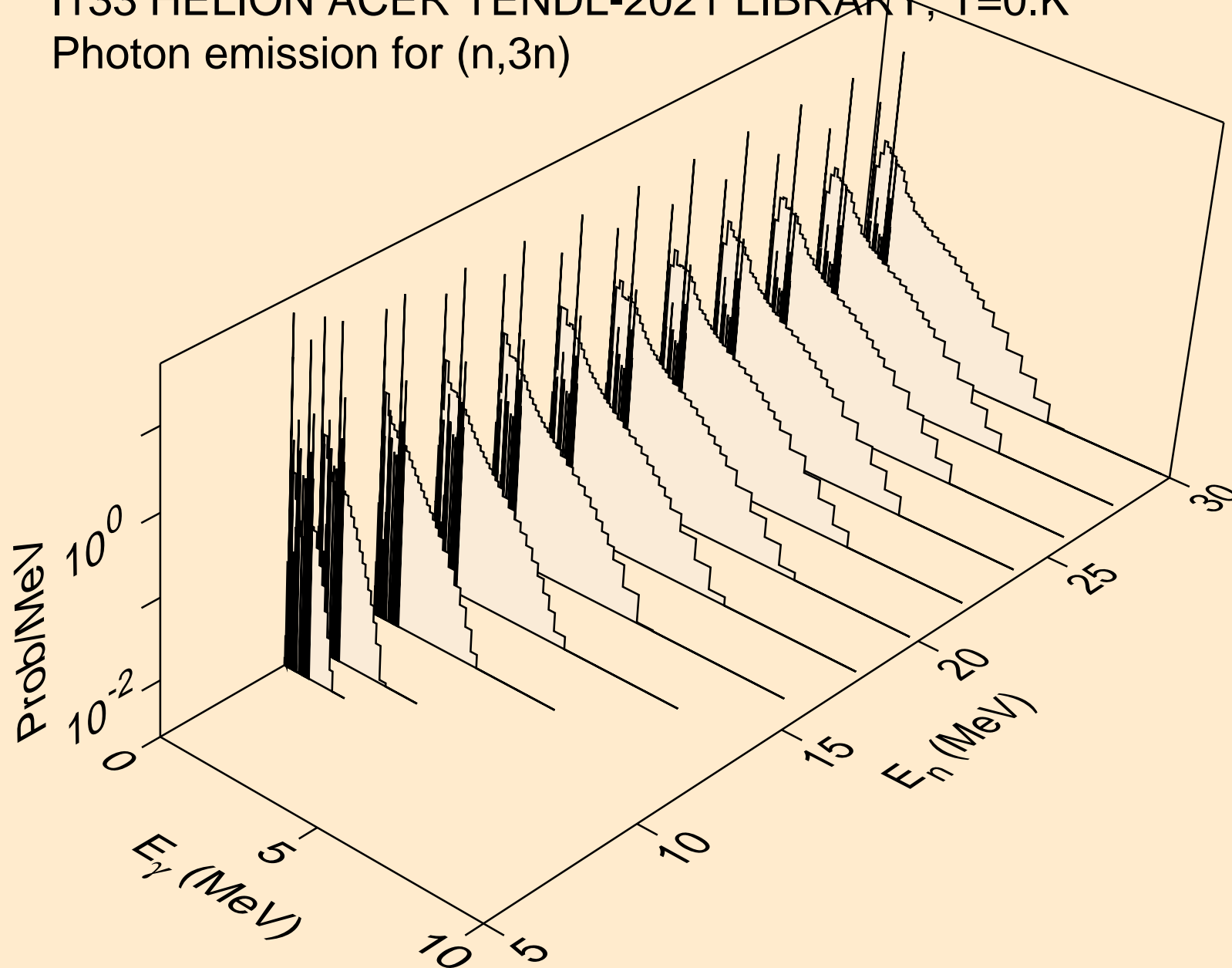


I133 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)



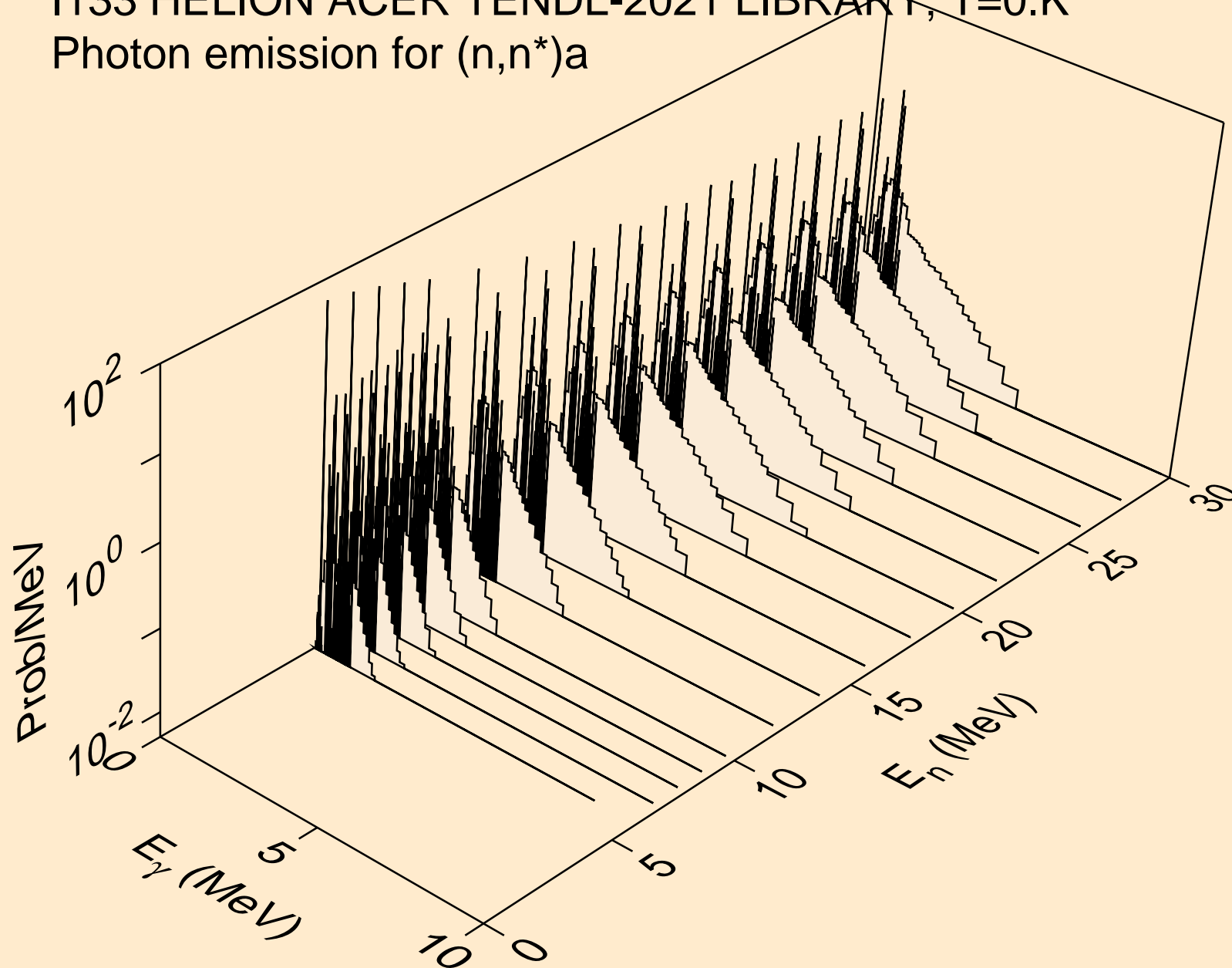
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,3n)



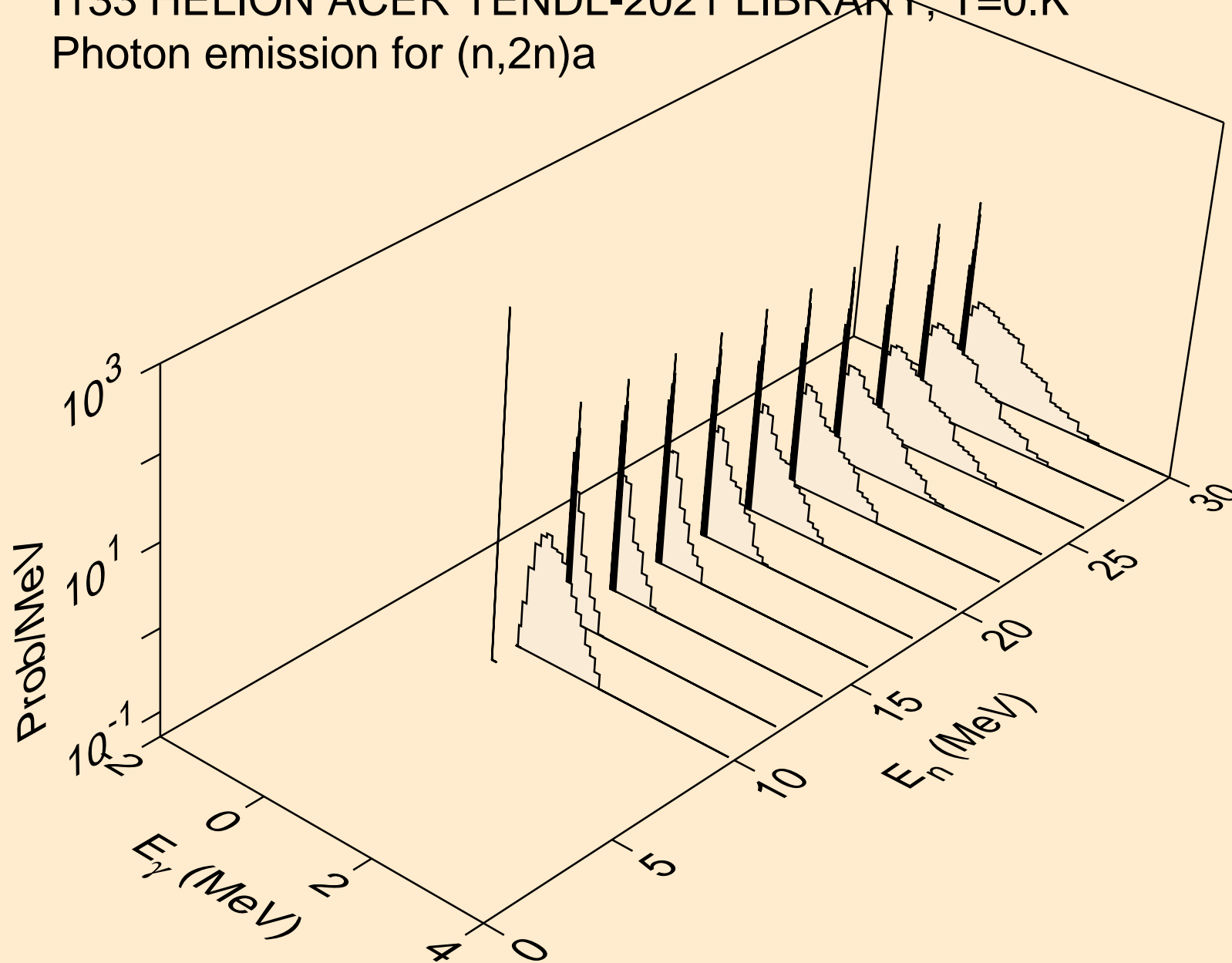
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n\*)a



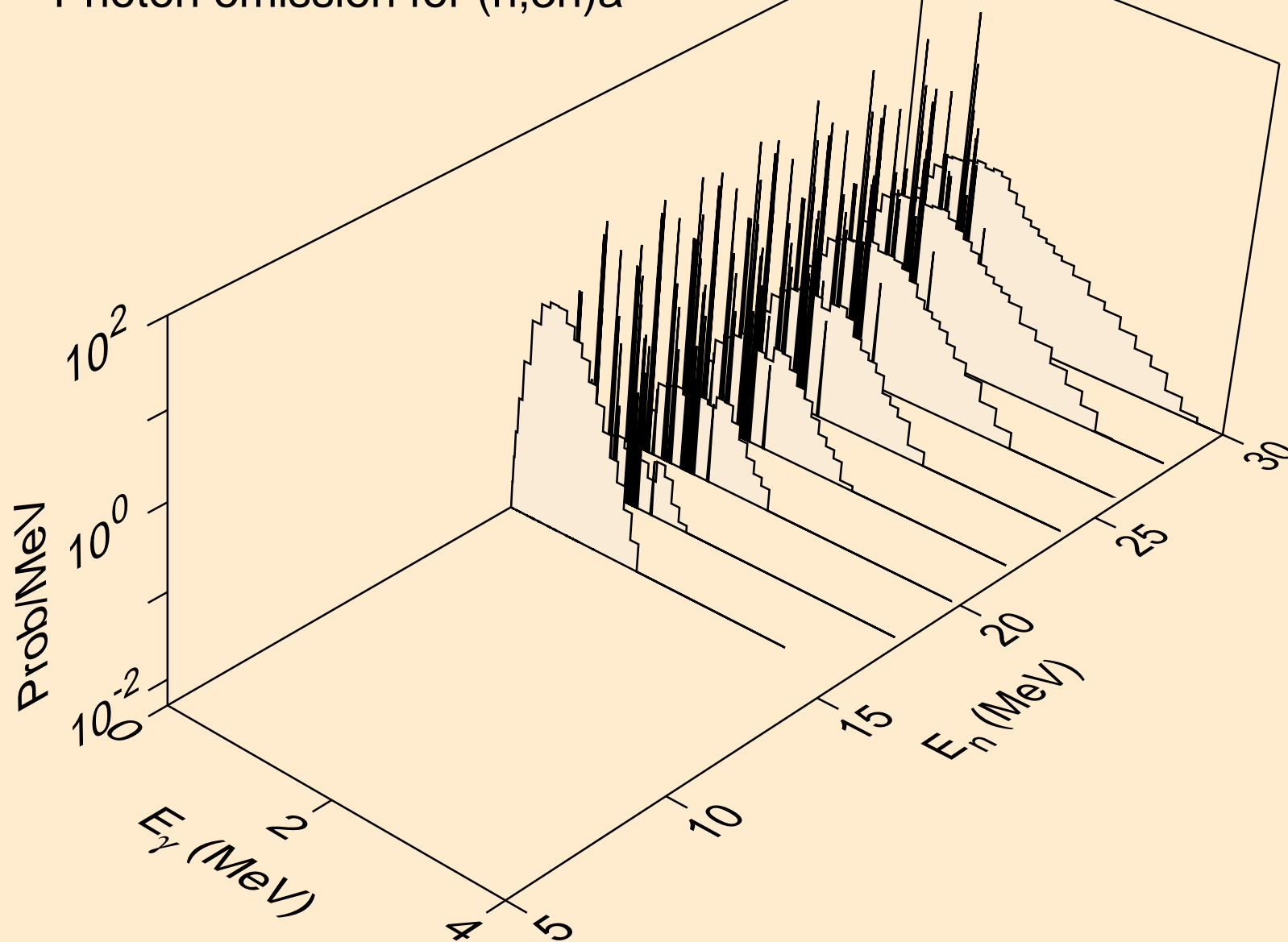
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Photon emission for (n,2n) $\alpha$



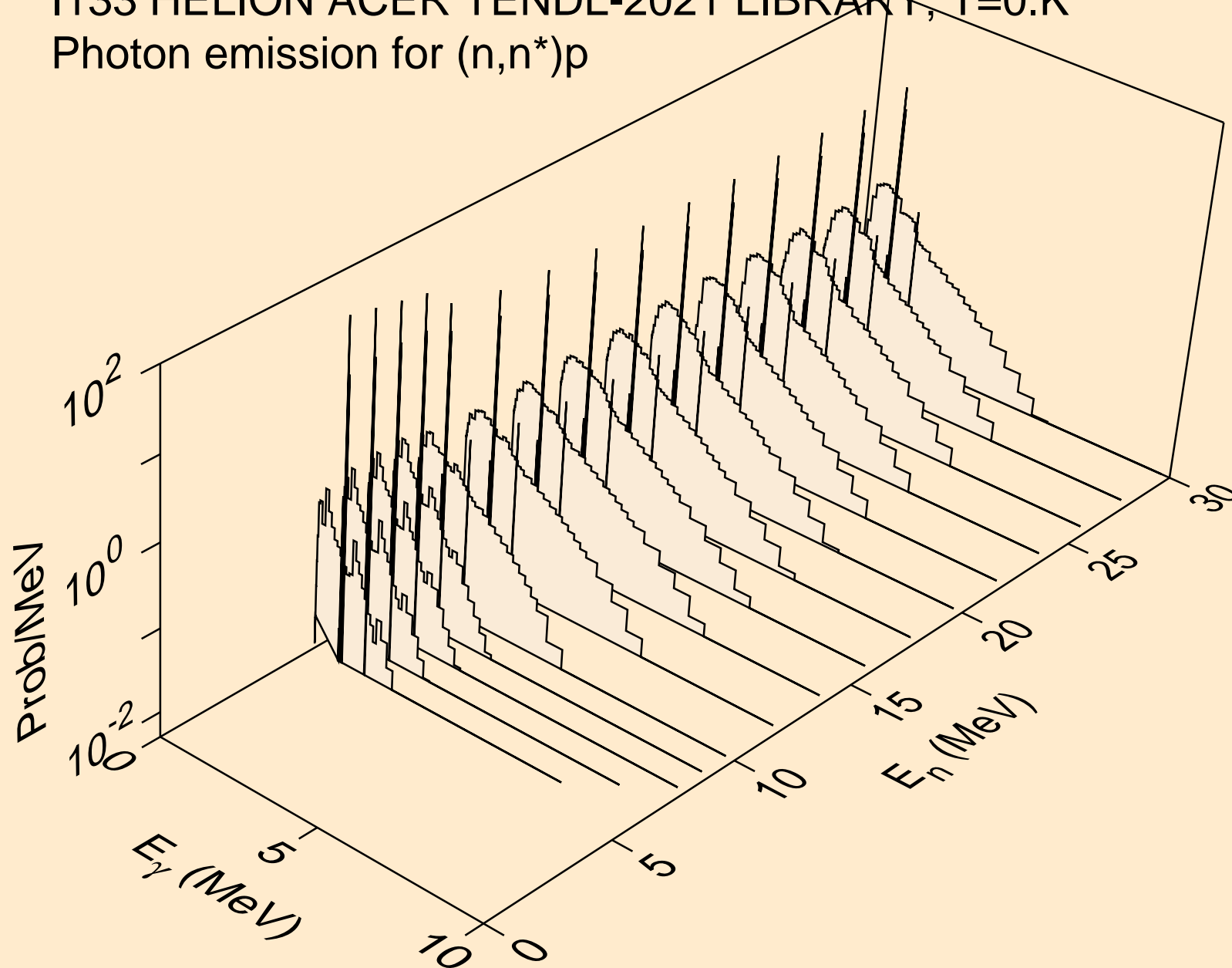
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K

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



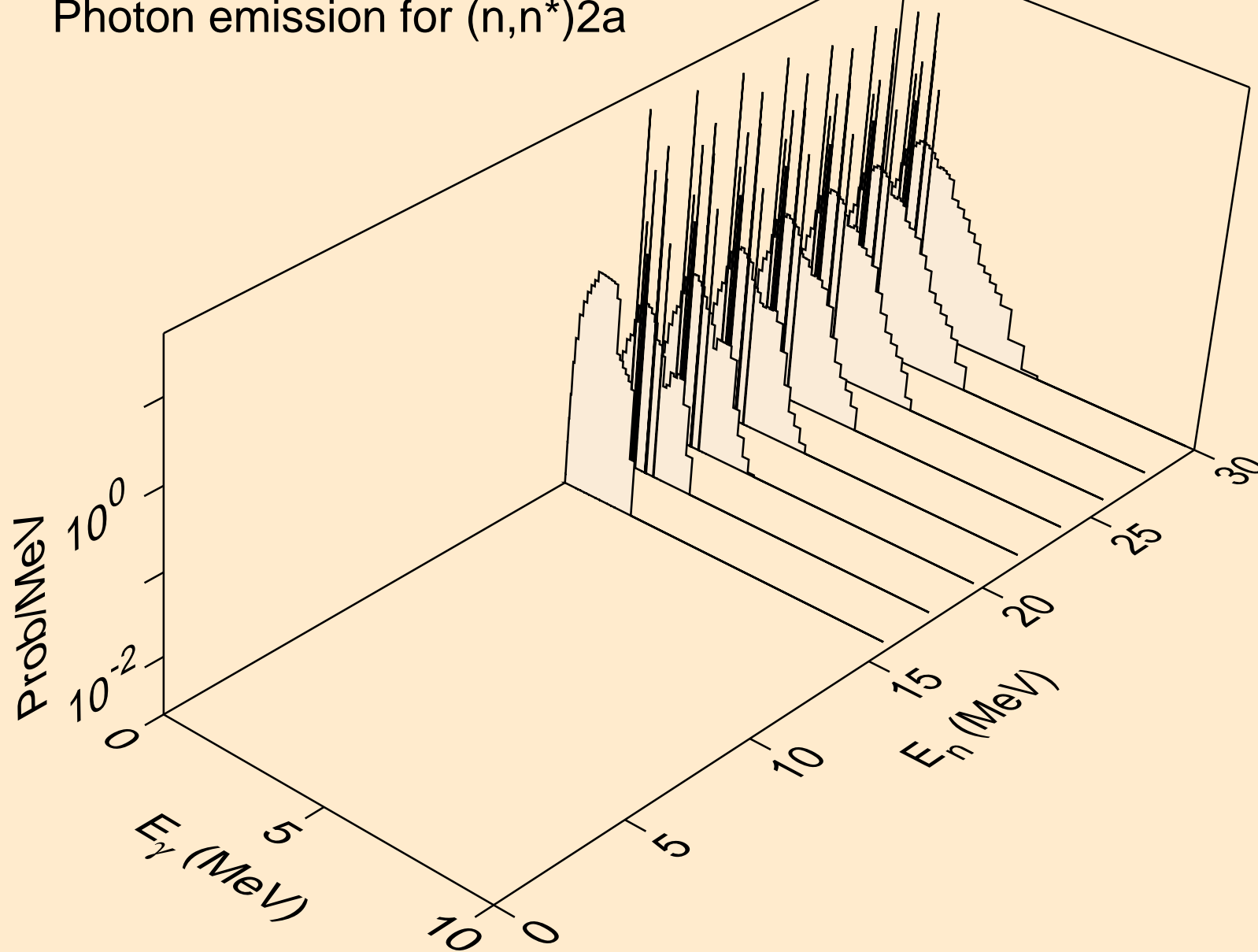
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n\*)p



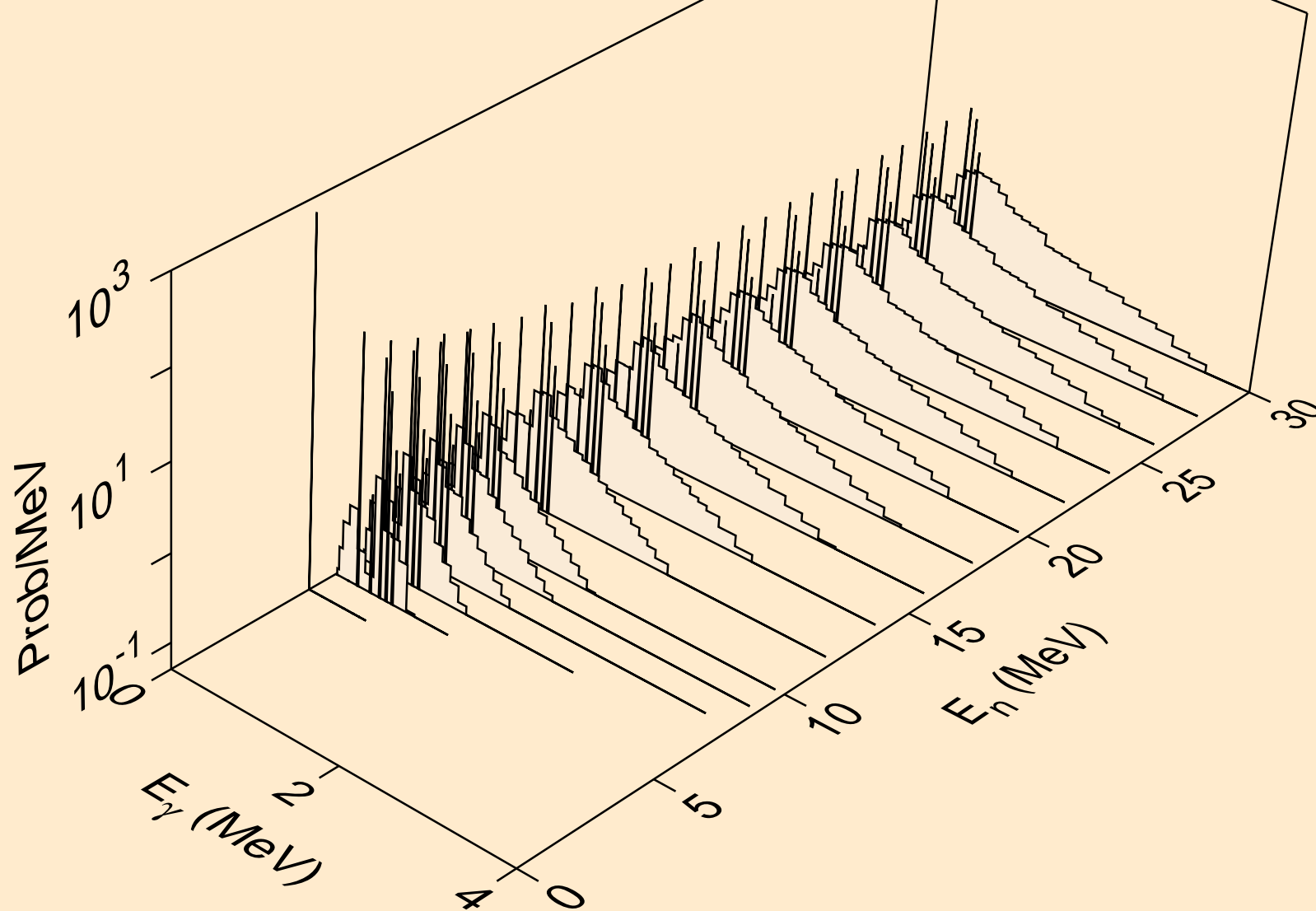
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K

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



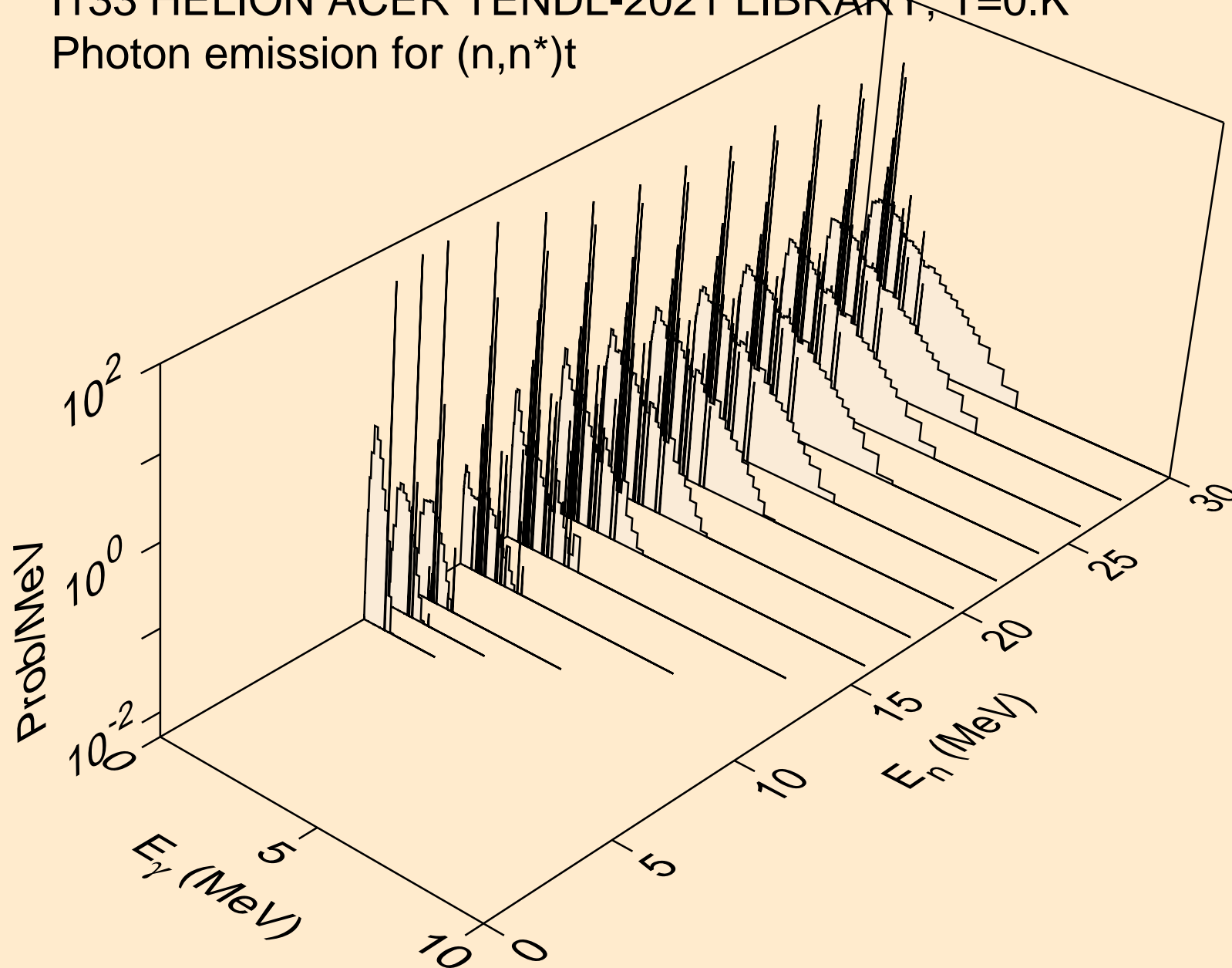
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n\*)d



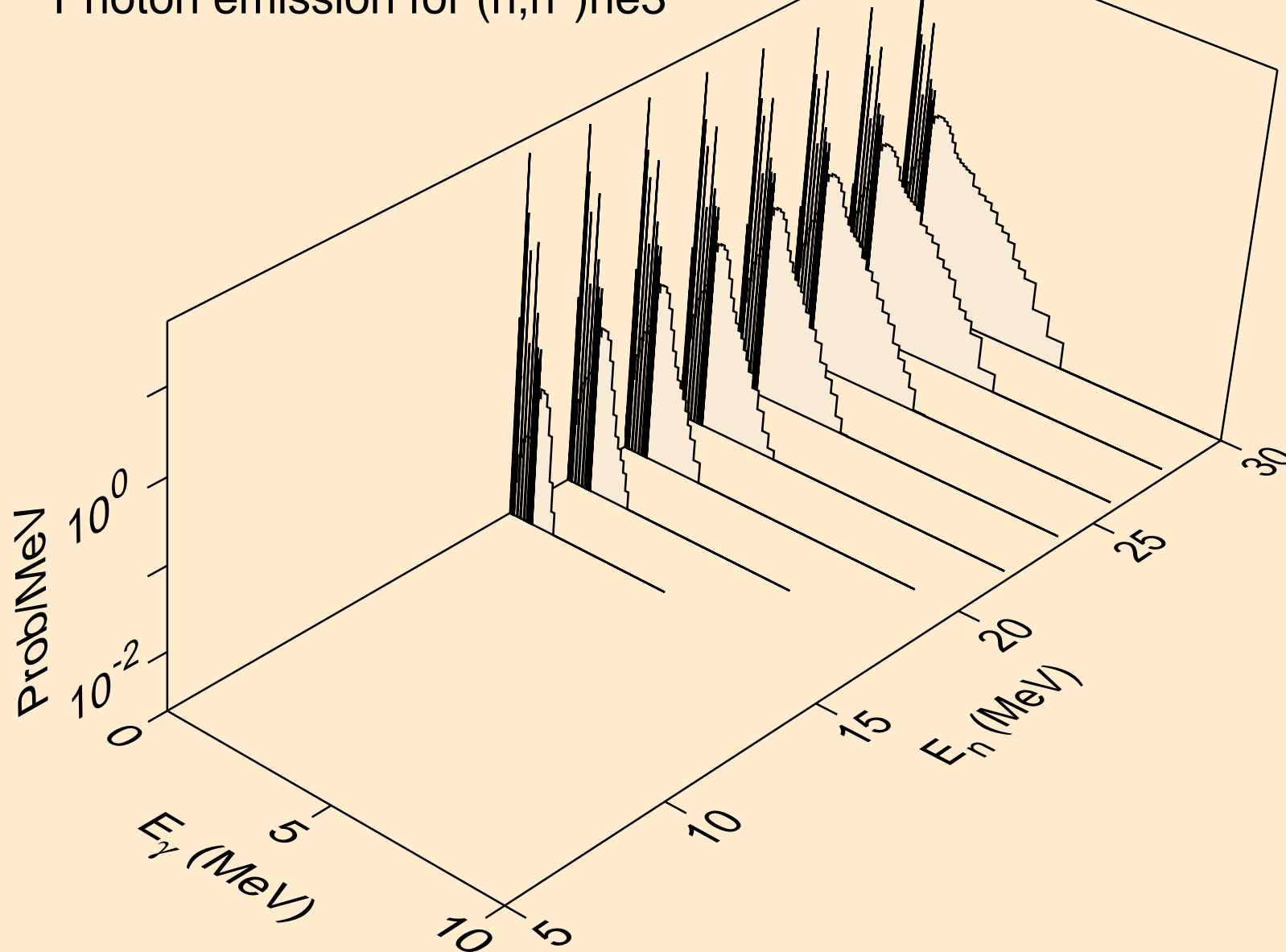
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n\*)t

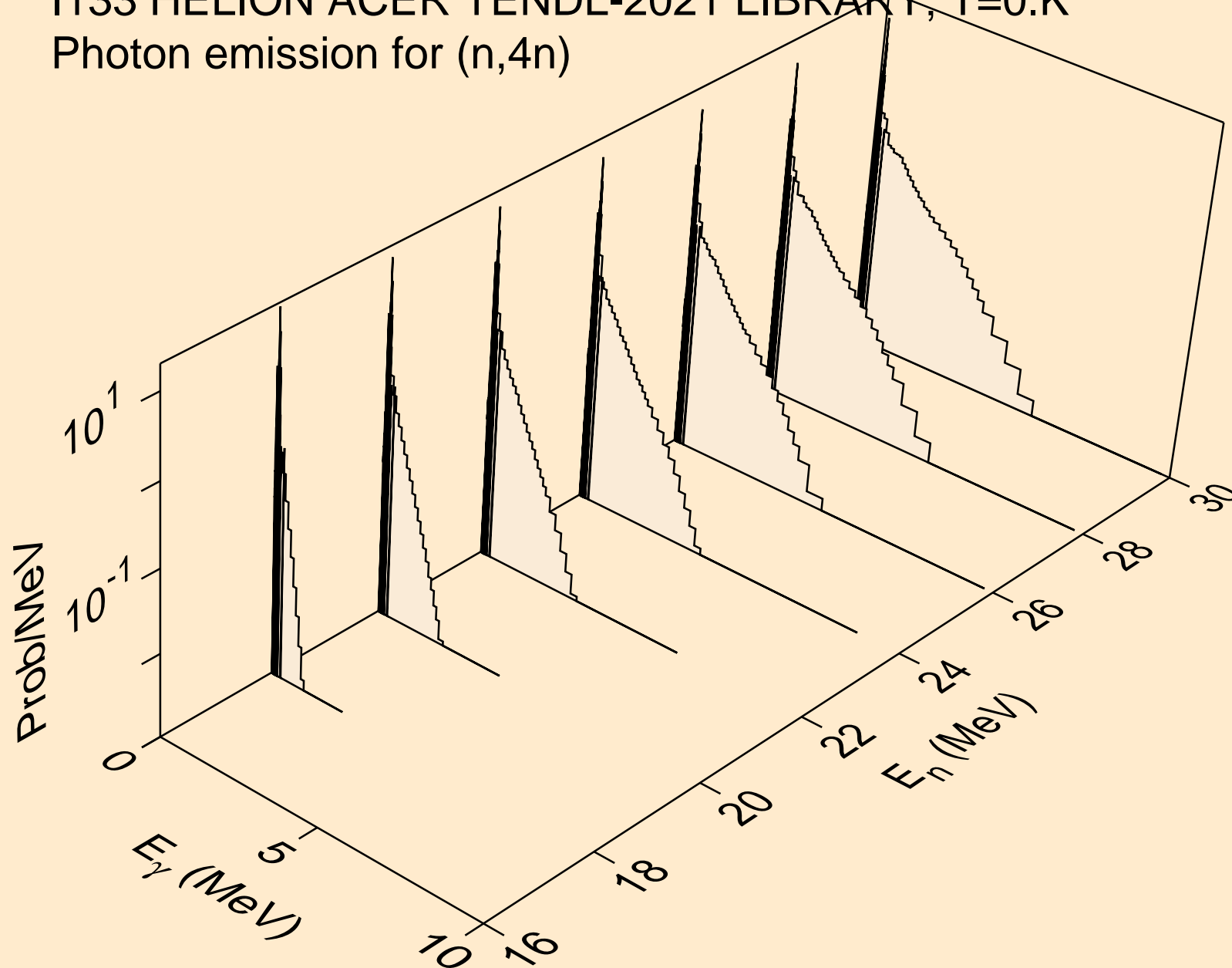


I133 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n\*)he3

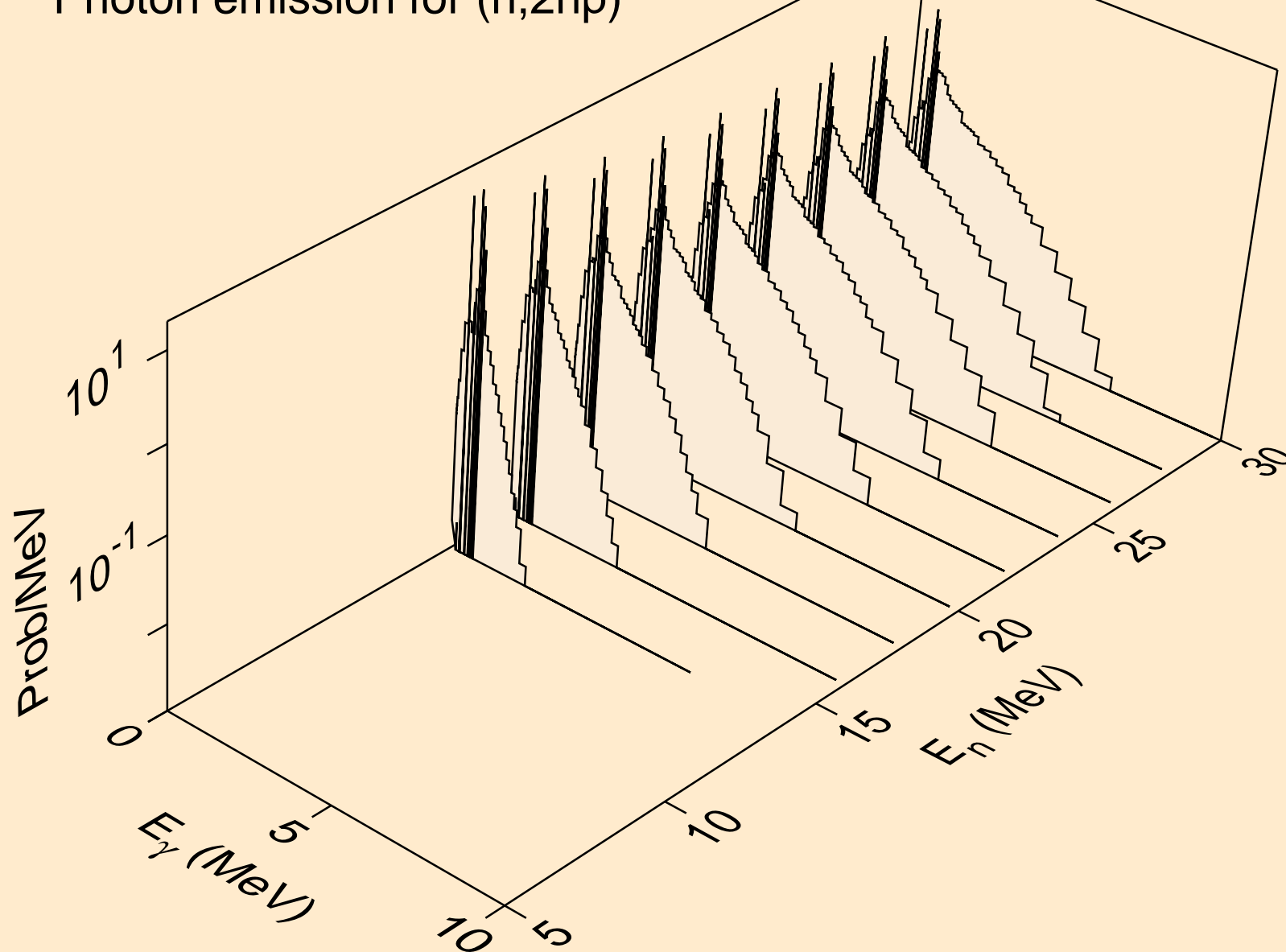


I133 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,4n)



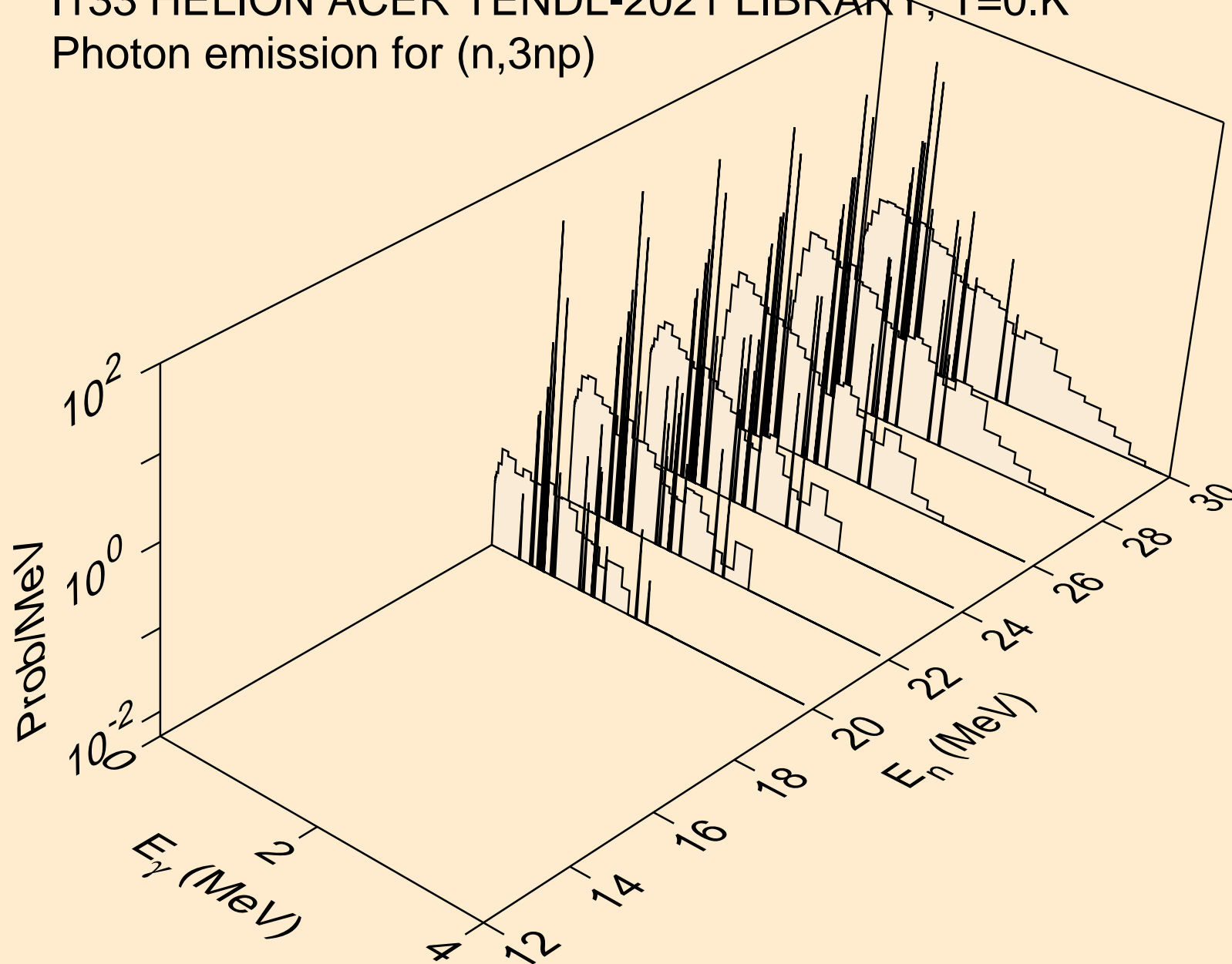
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Photon emission for (n,2np)



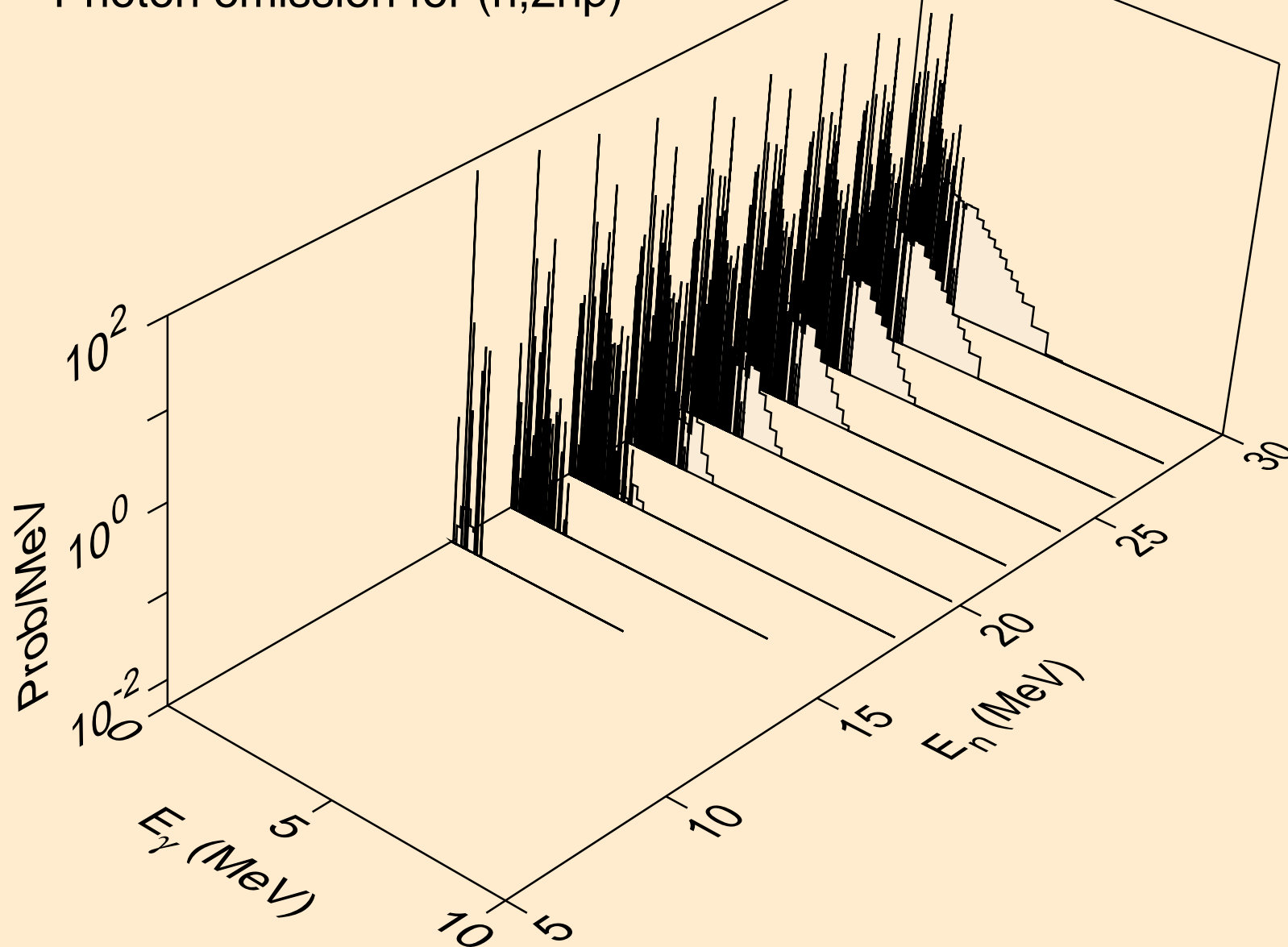
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Photon emission for (n,3np)



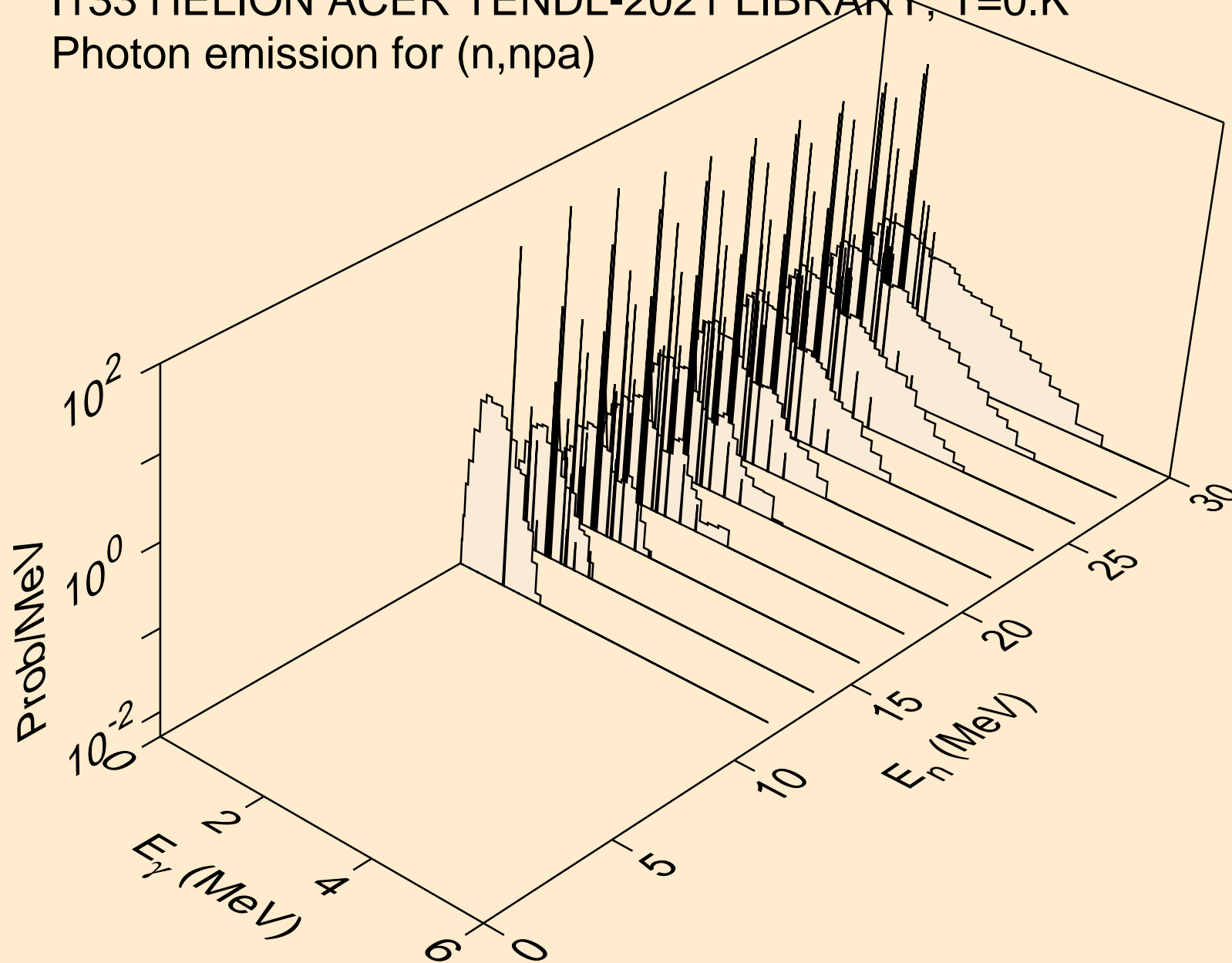
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Photon emission for (n,2np)



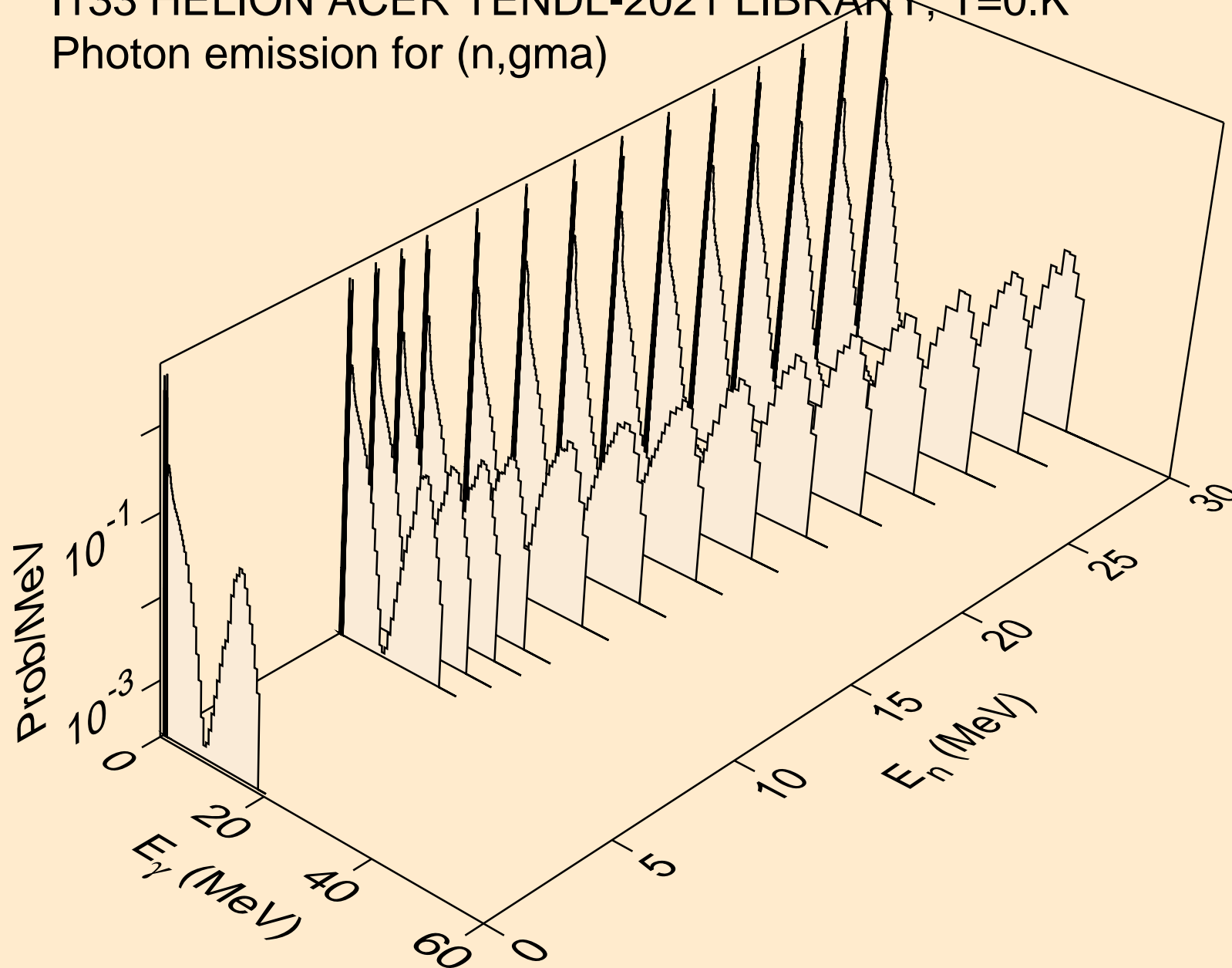
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Photon emission for (n,npa)



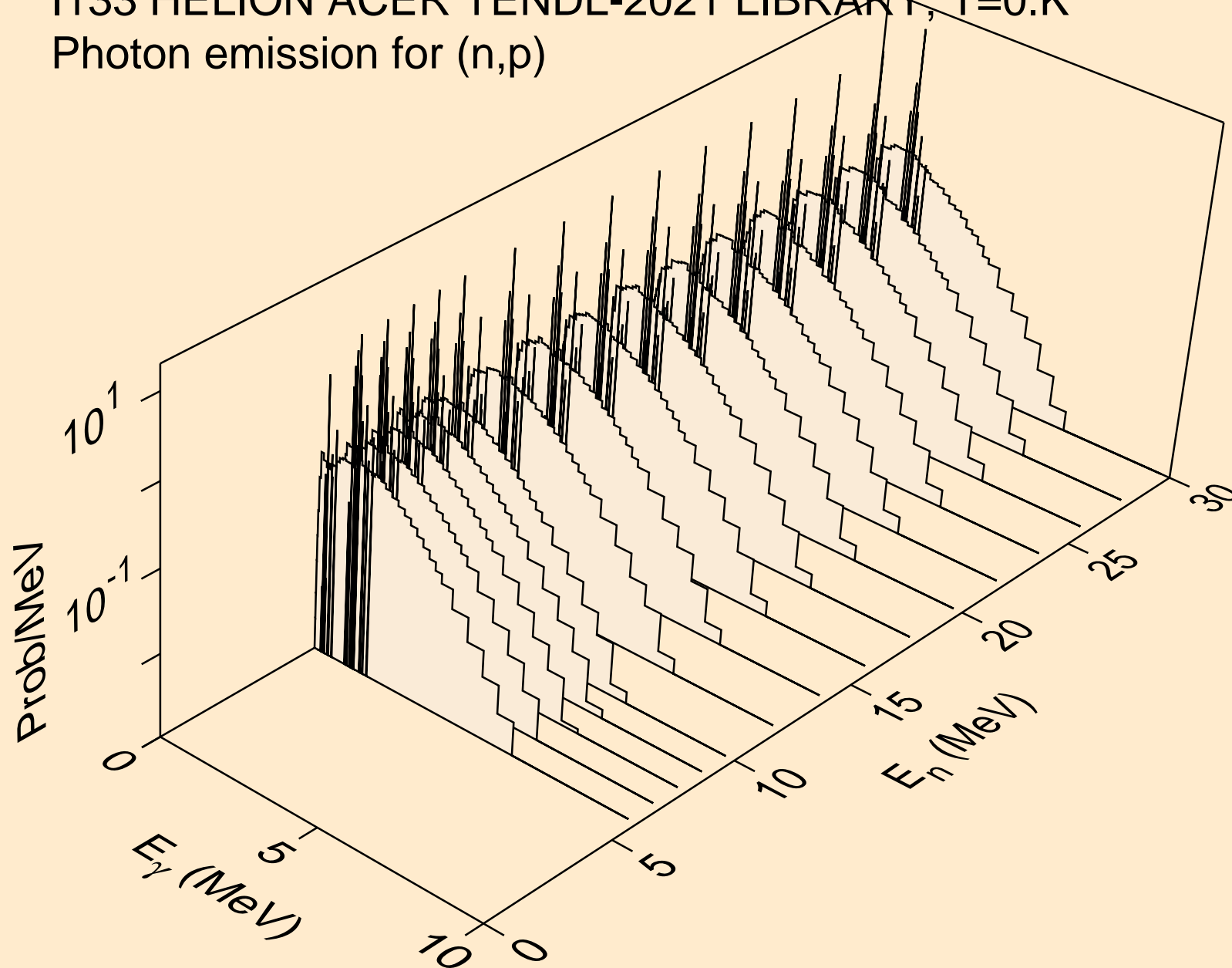
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Photon emission for (n,gma)



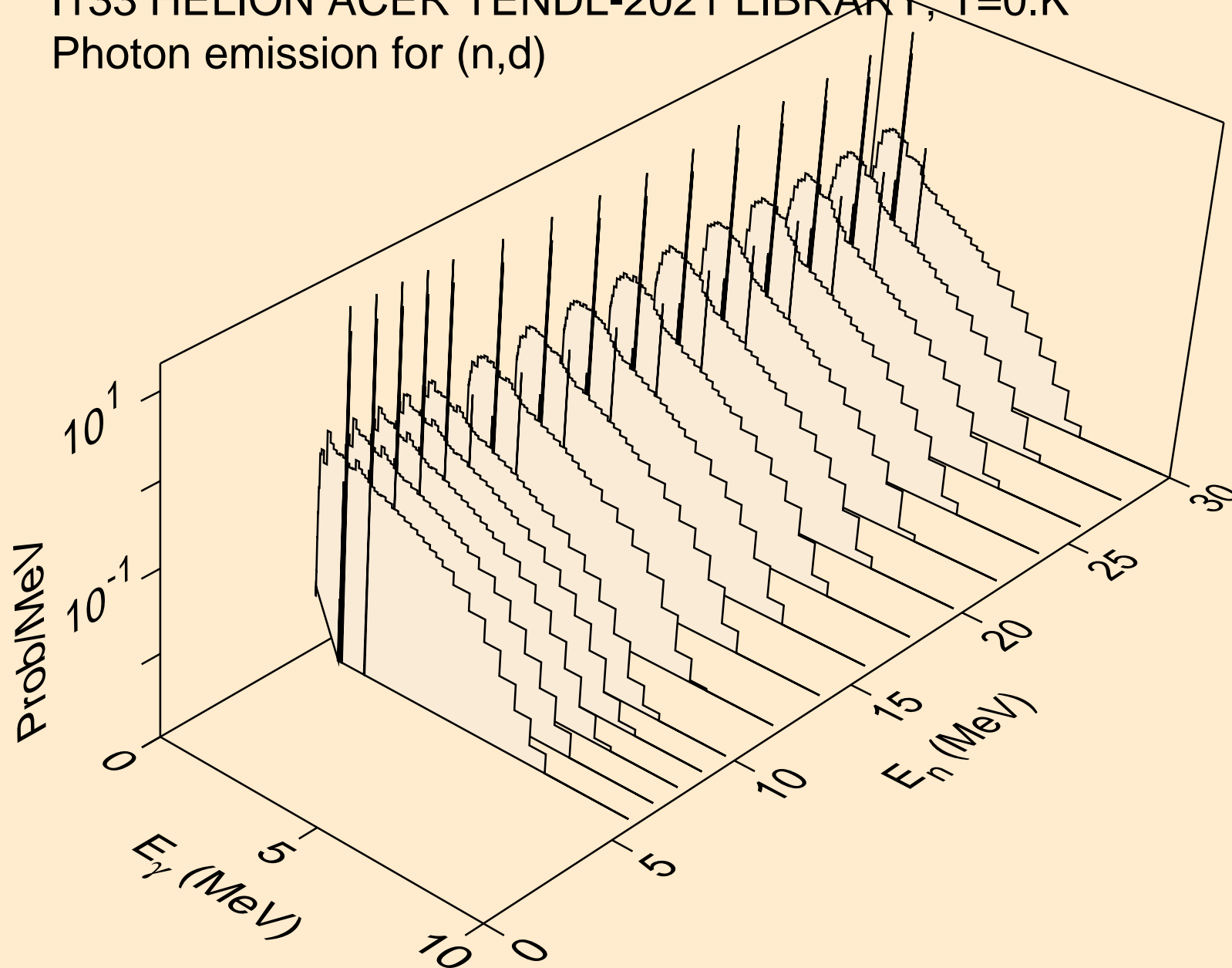
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Photon emission for (n,p)



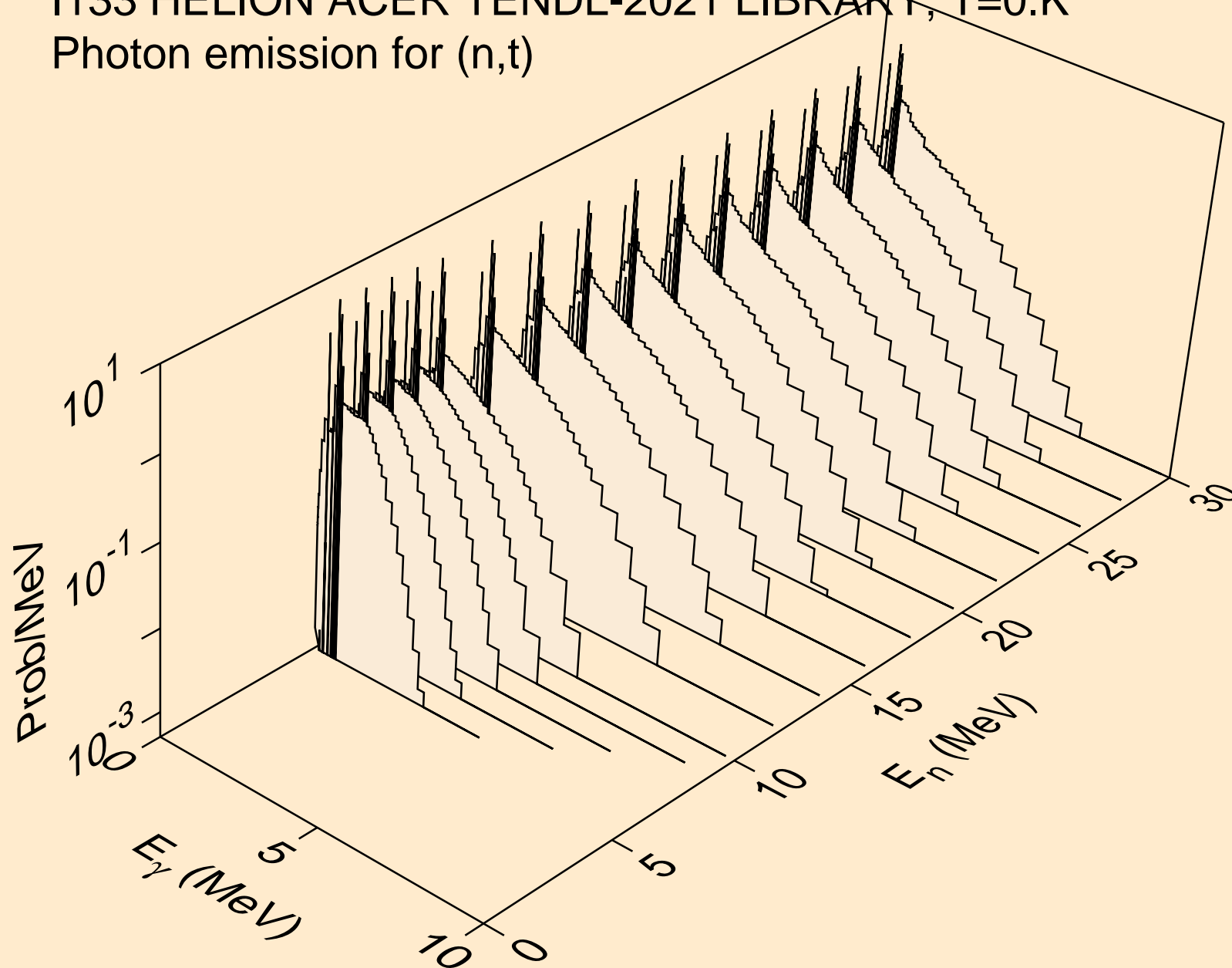
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Photon emission for (n,d)



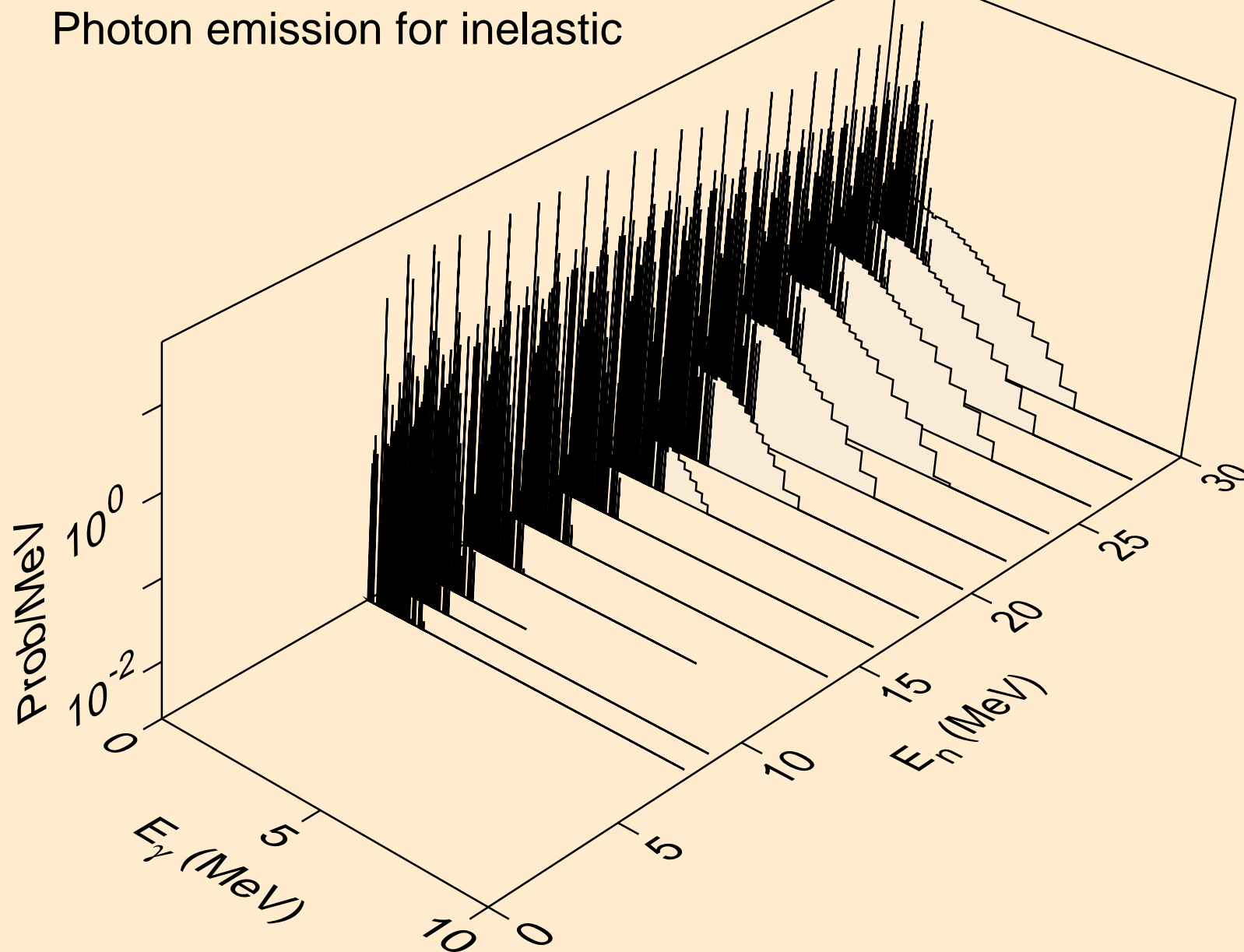
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Photon emission for (n,t)



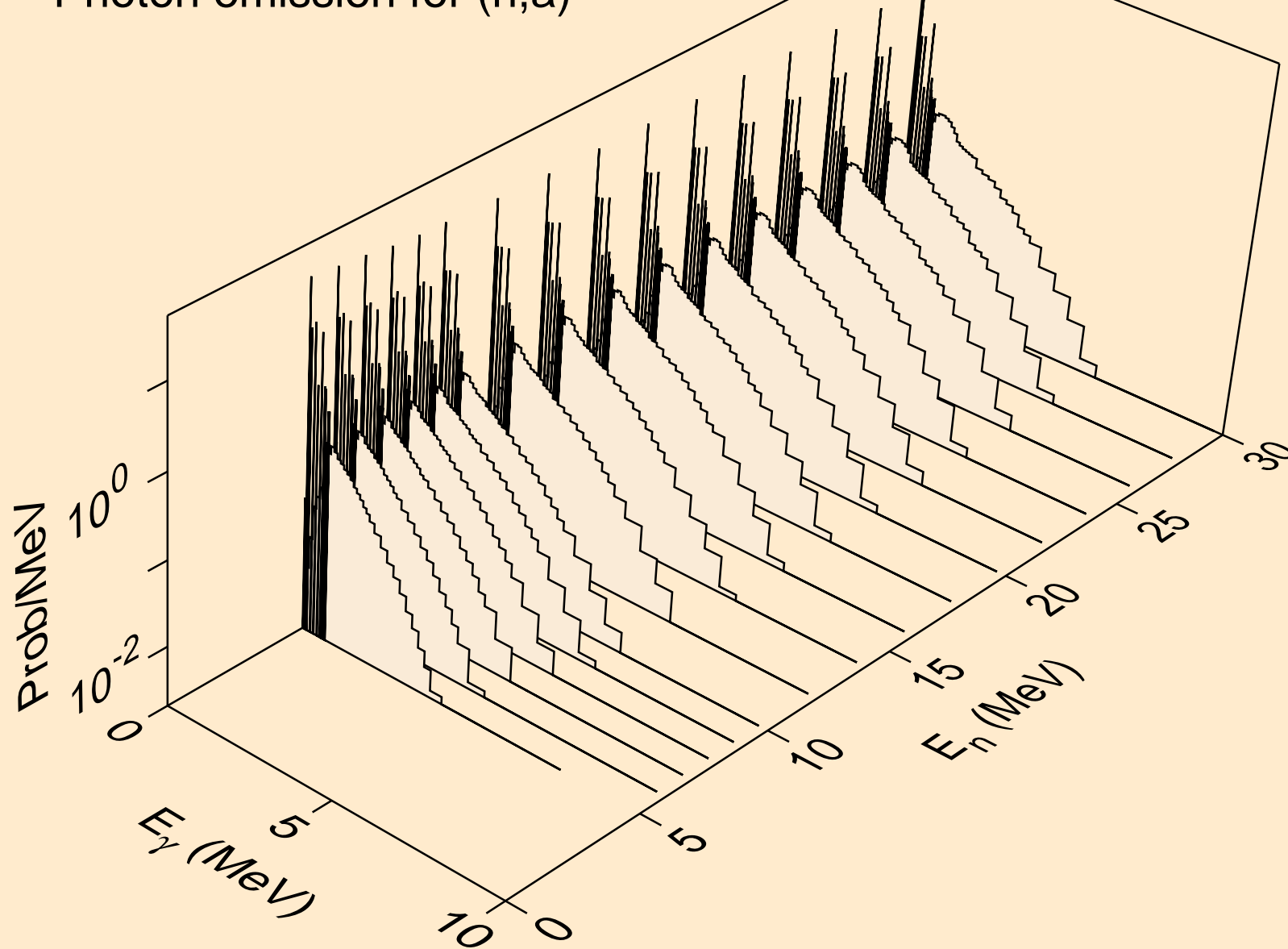
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for inelastic



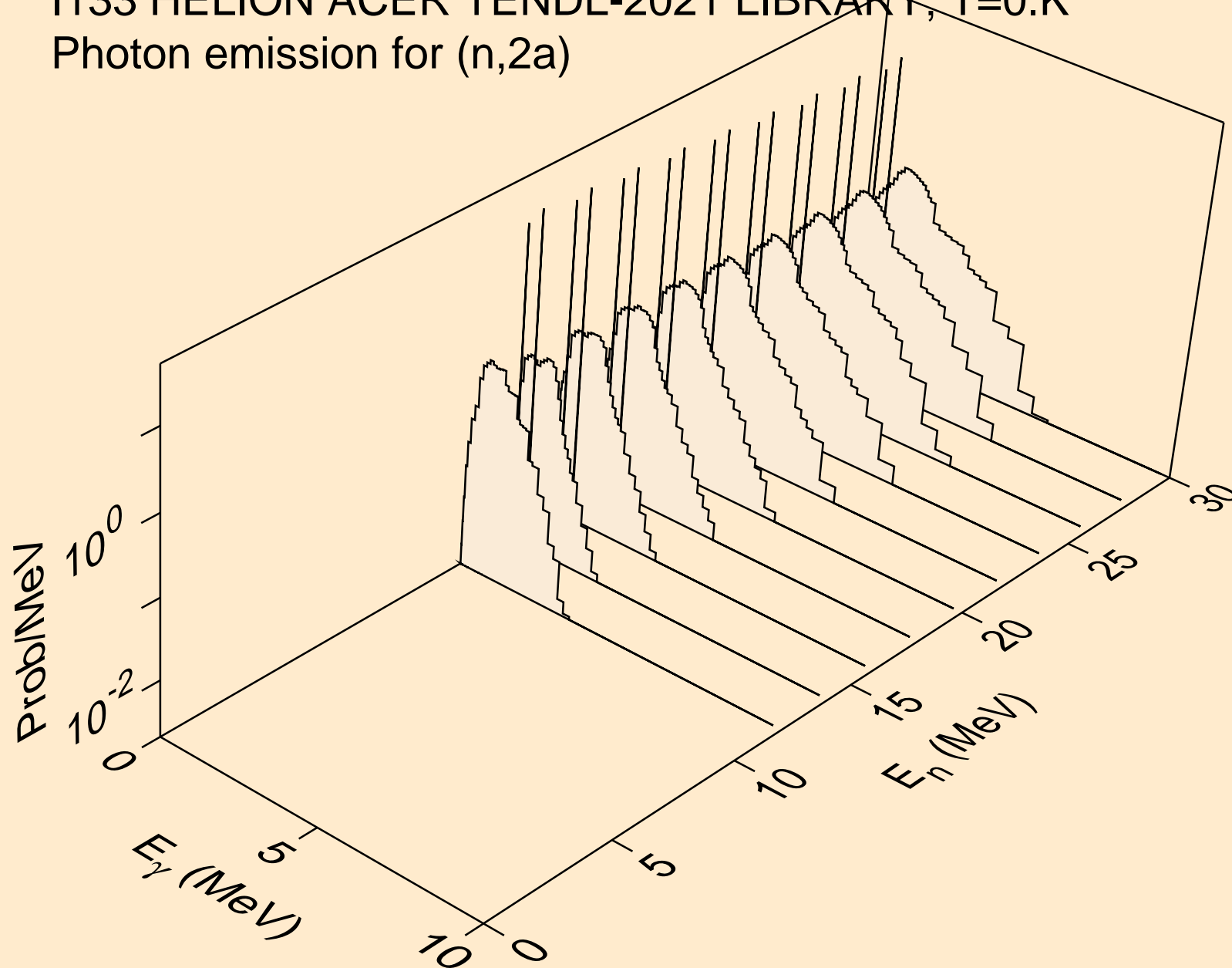
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,a)

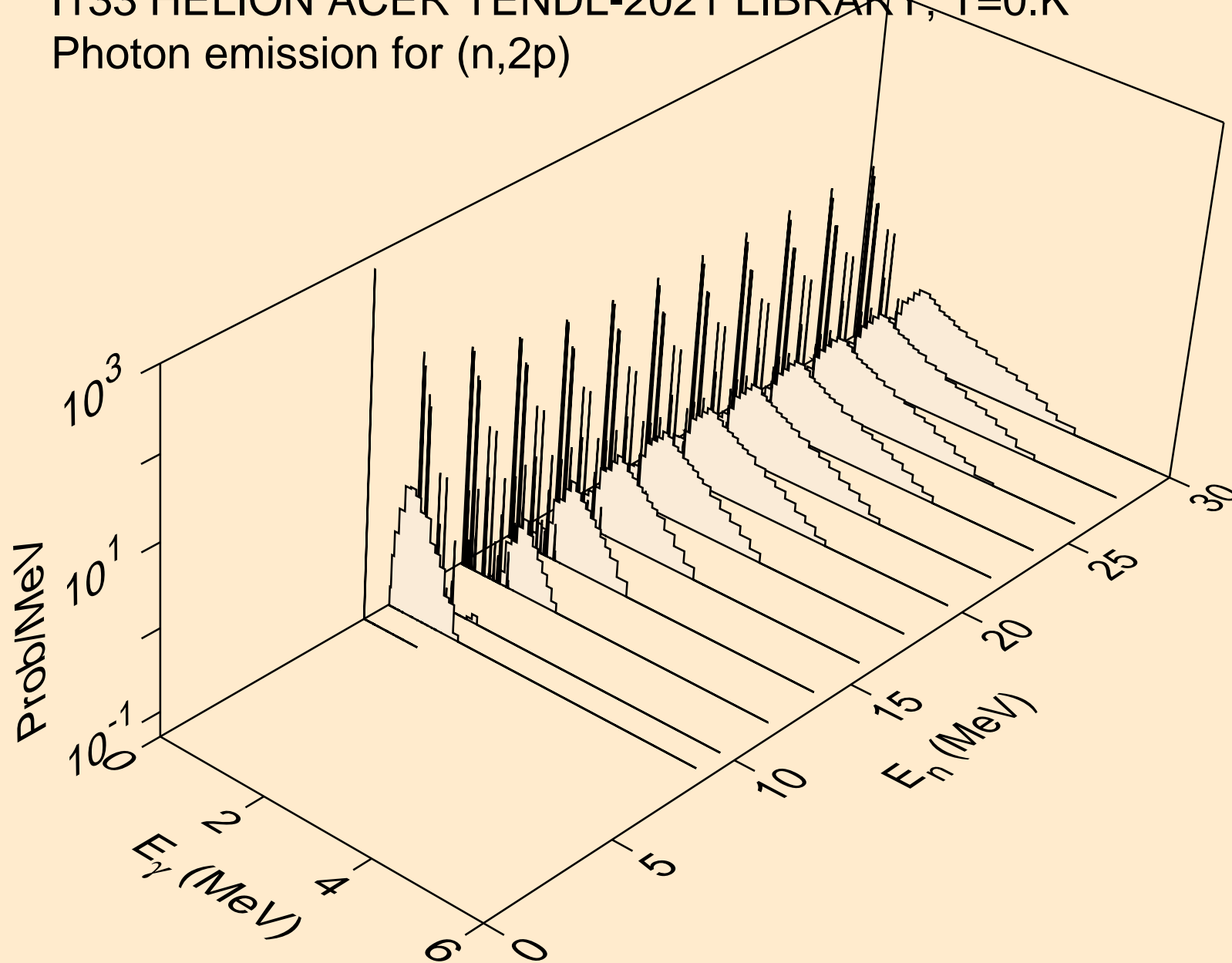


I133 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,2a)

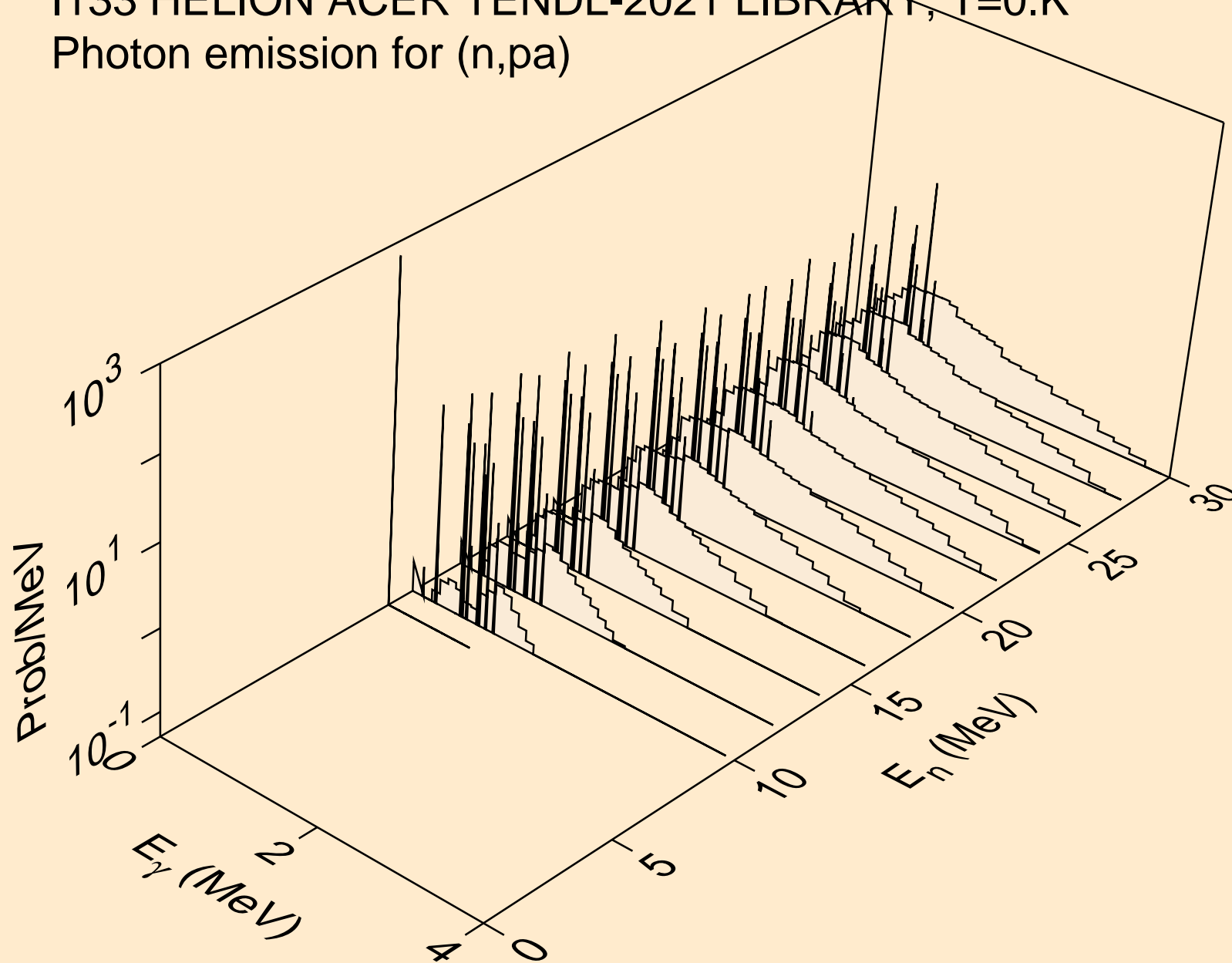


I133 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)



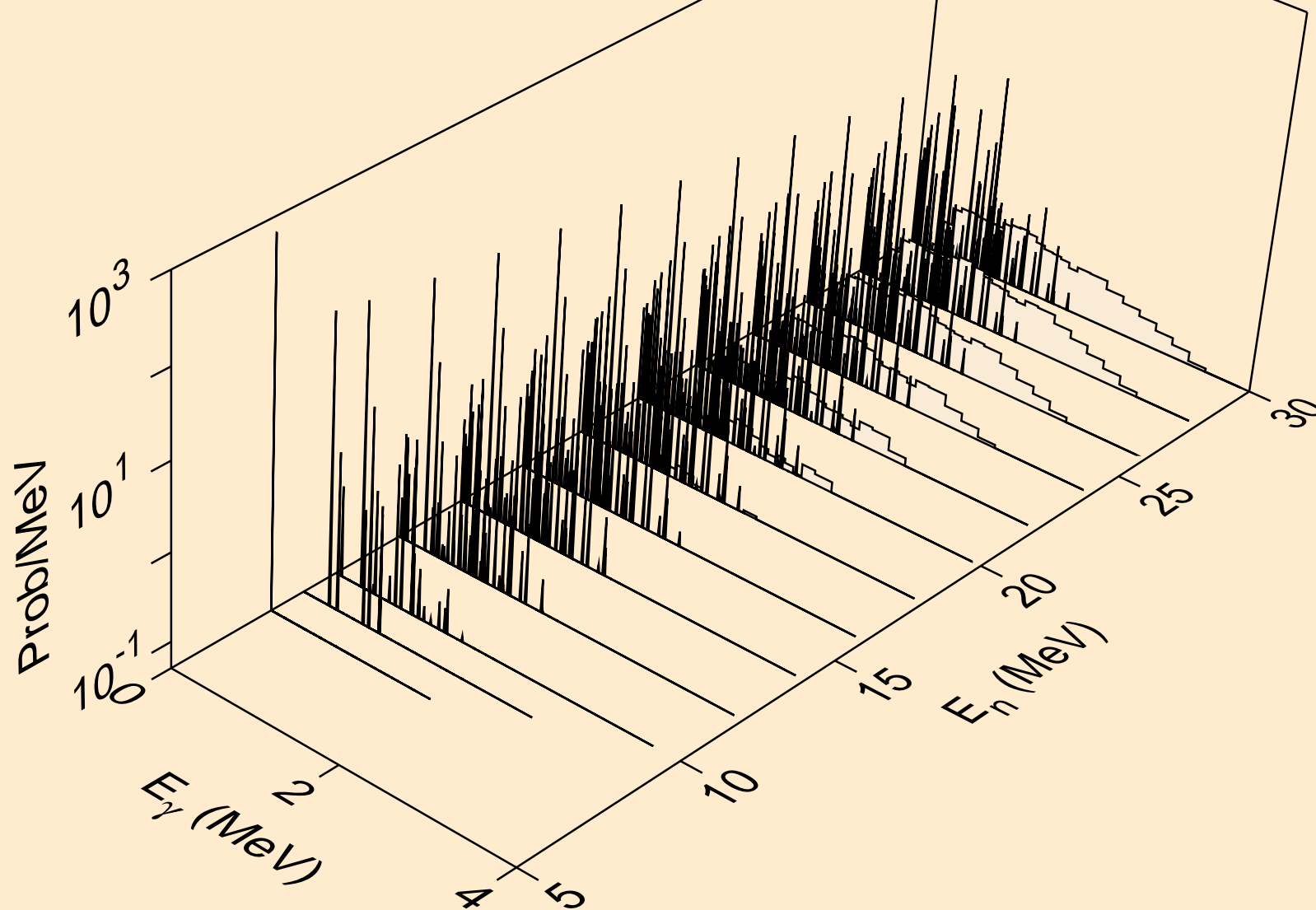
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Photon emission for (n,p $\alpha$ )



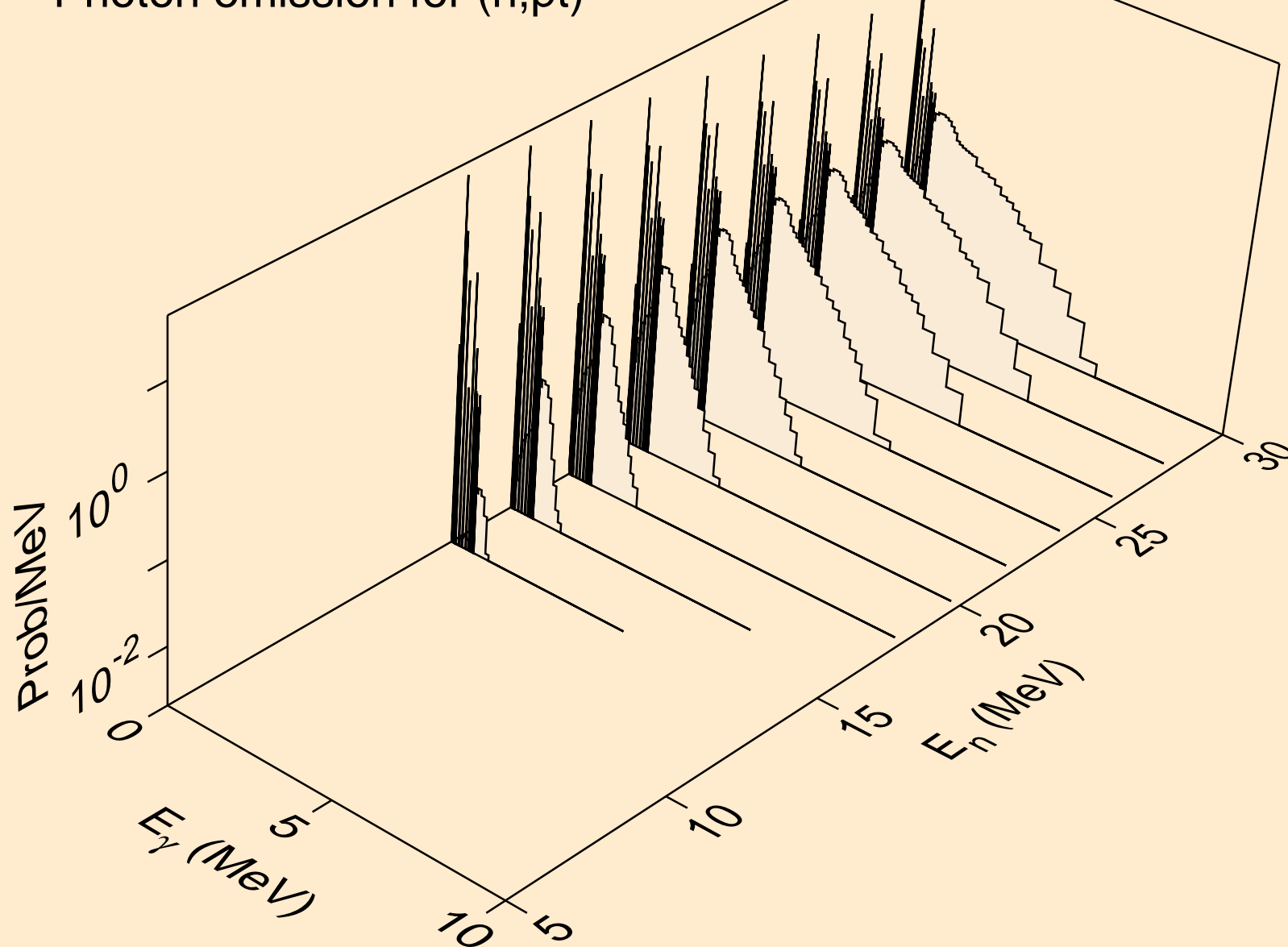
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Photon emission for (n,pd)

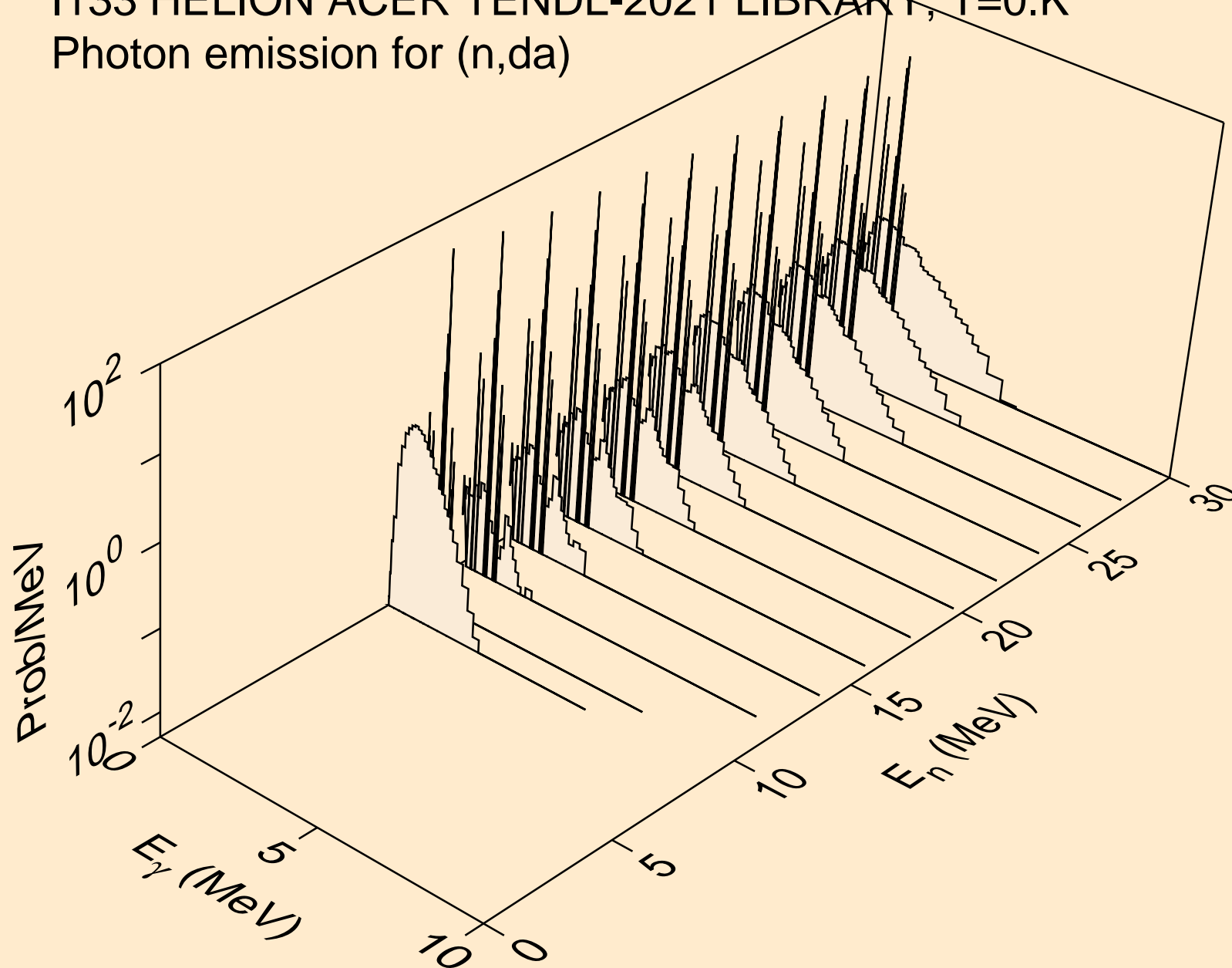


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Photon emission for (n,pt)

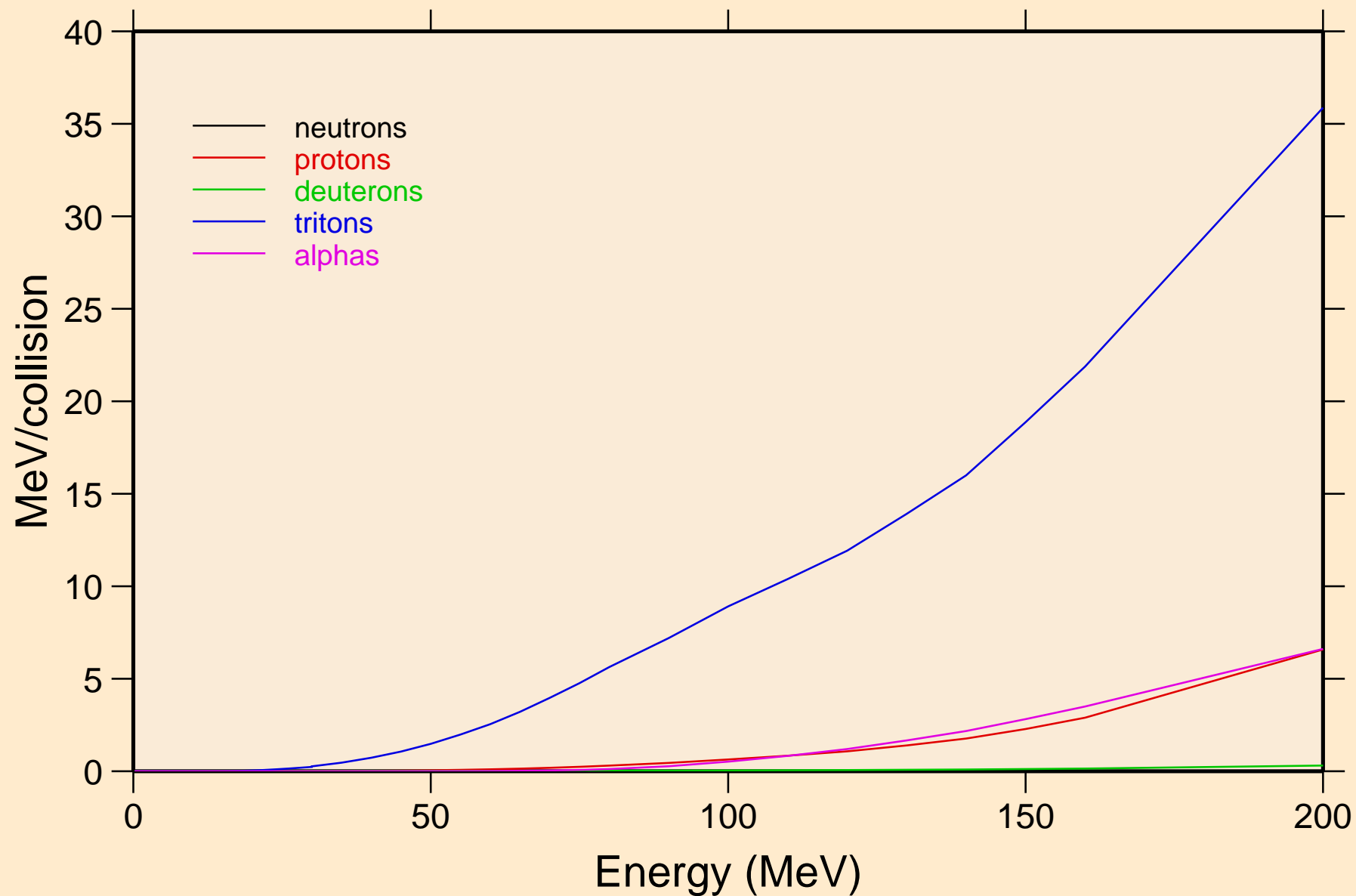


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Photon emission for (n,da)



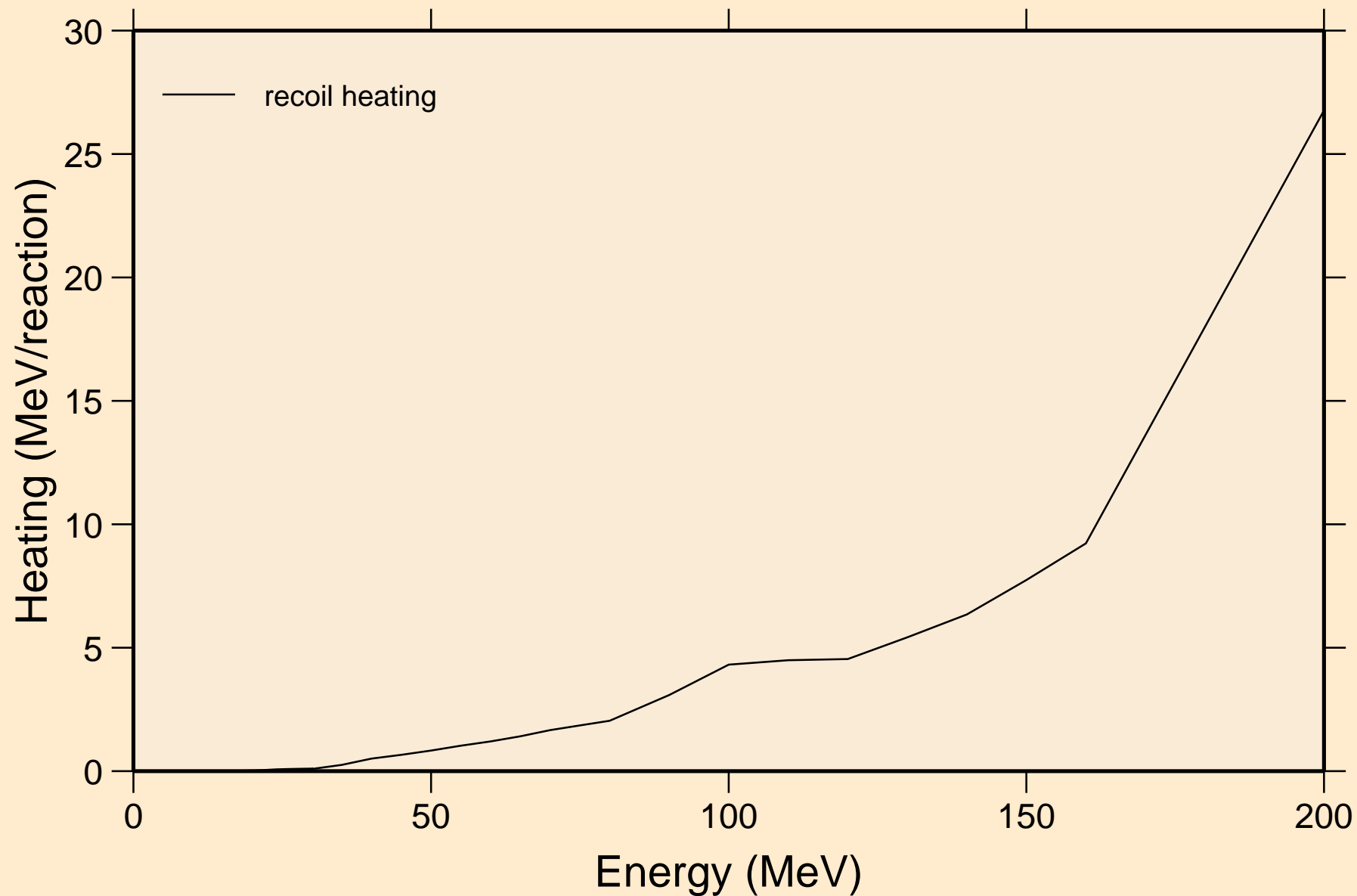
# I133 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Particle heating contributions



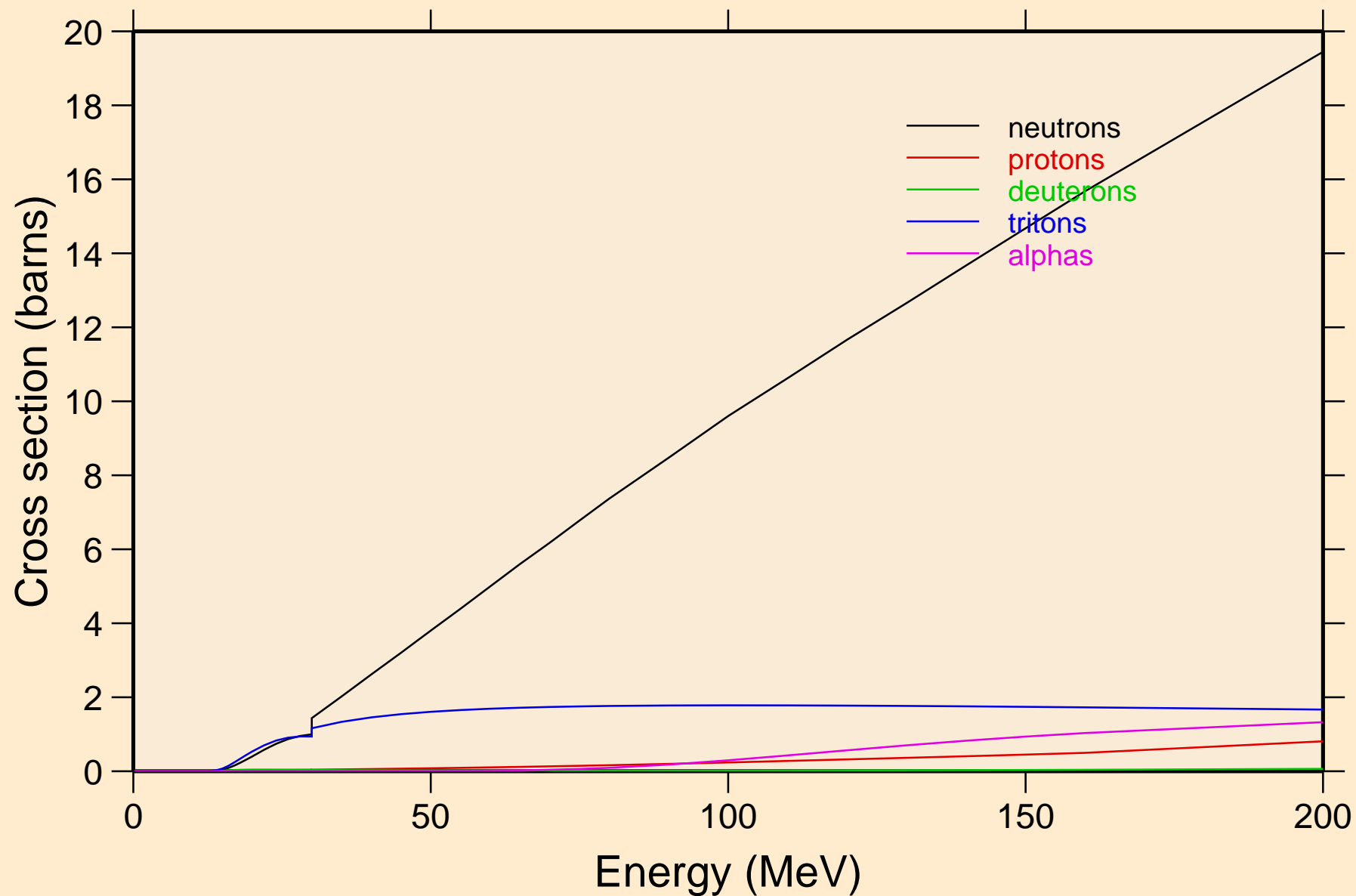
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K

Recoil Heating

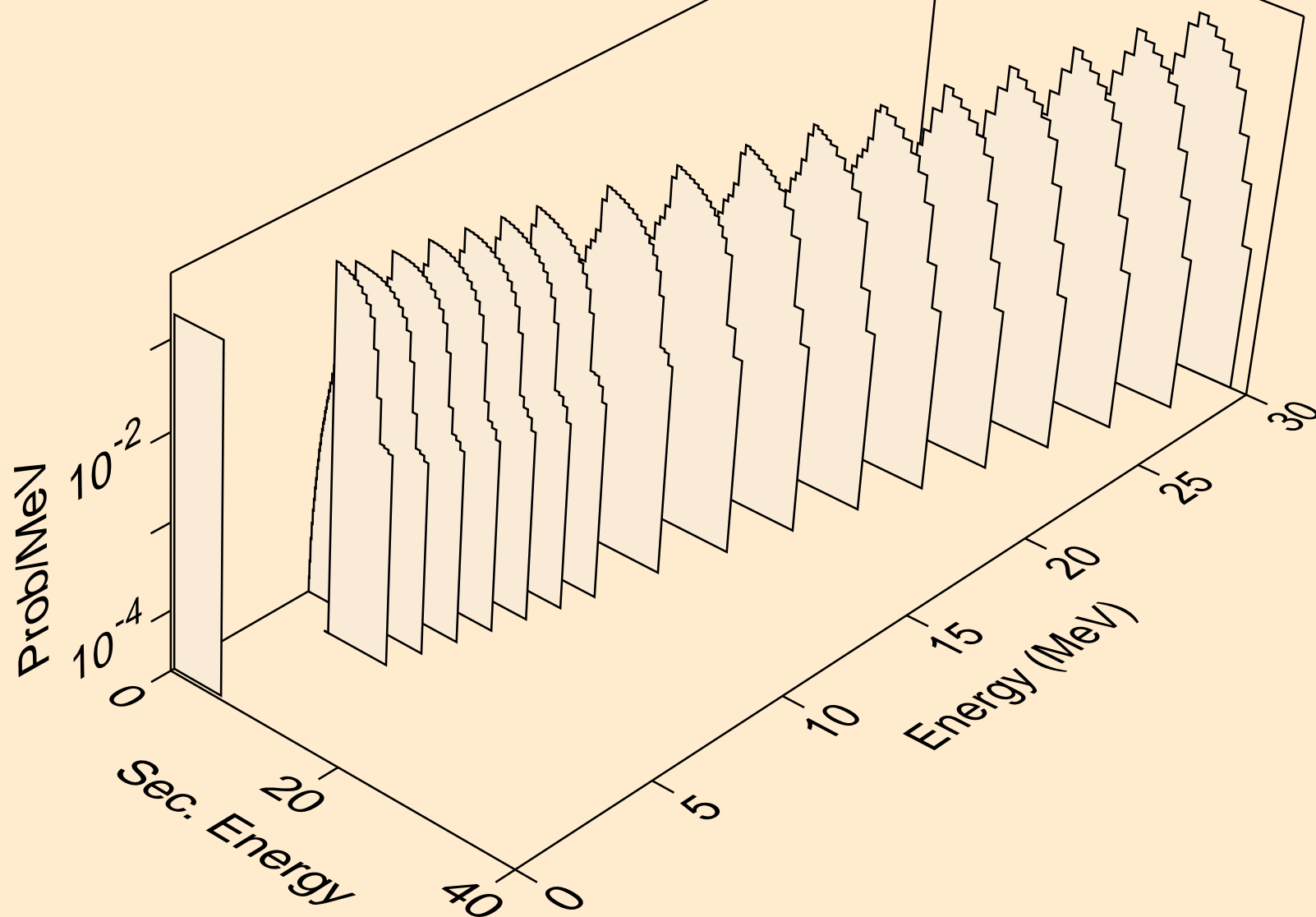


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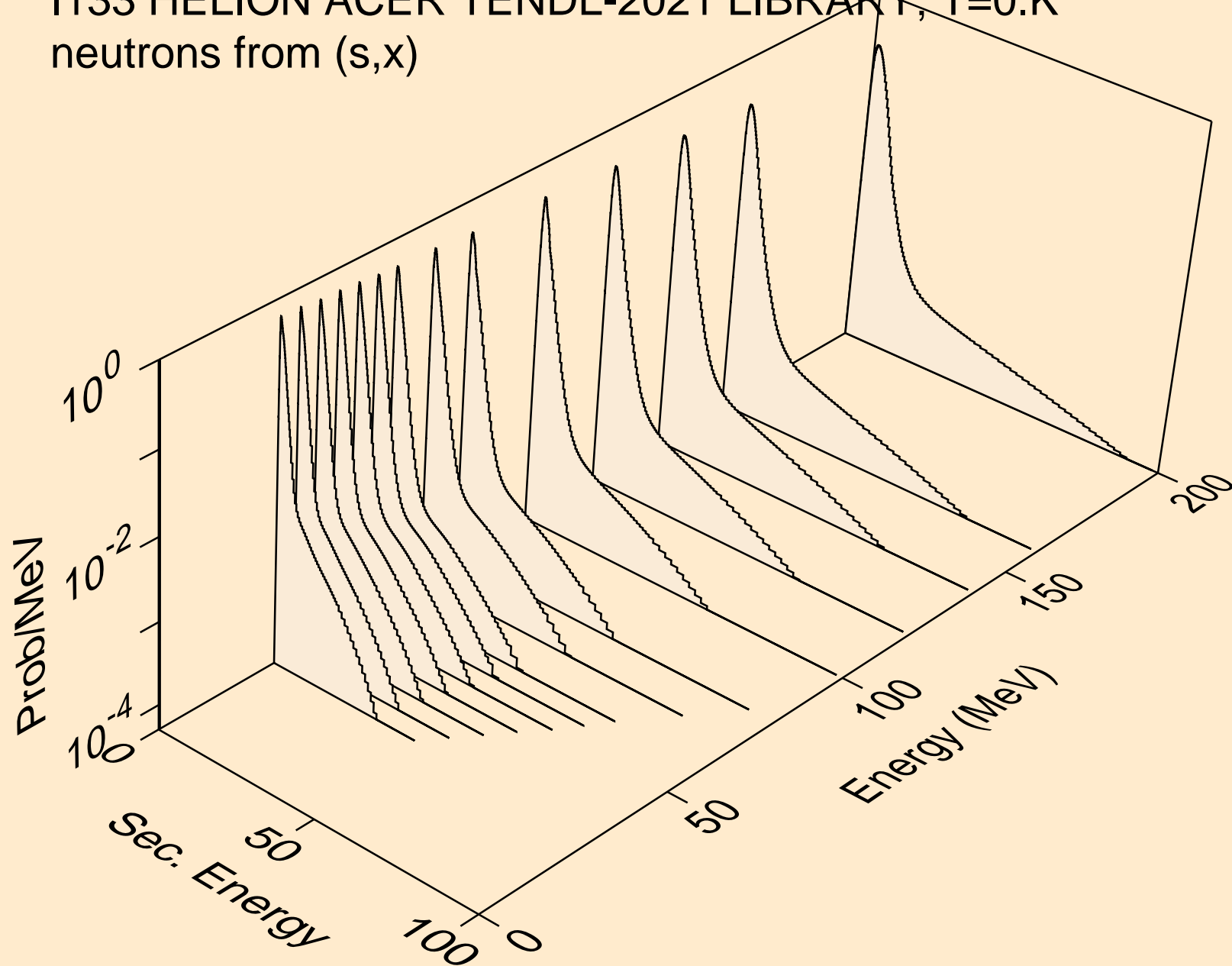
## Particle production cross sections



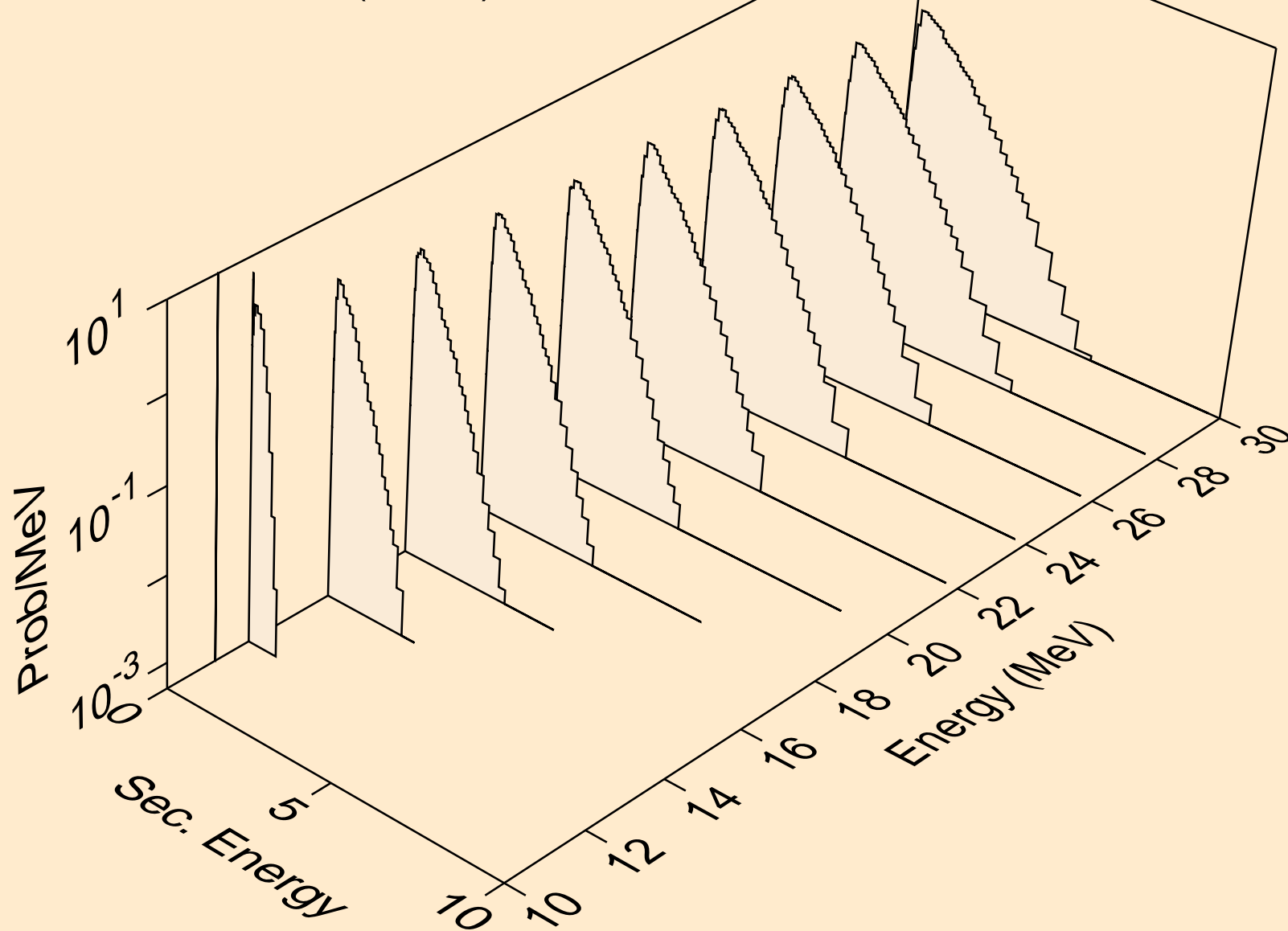
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n)



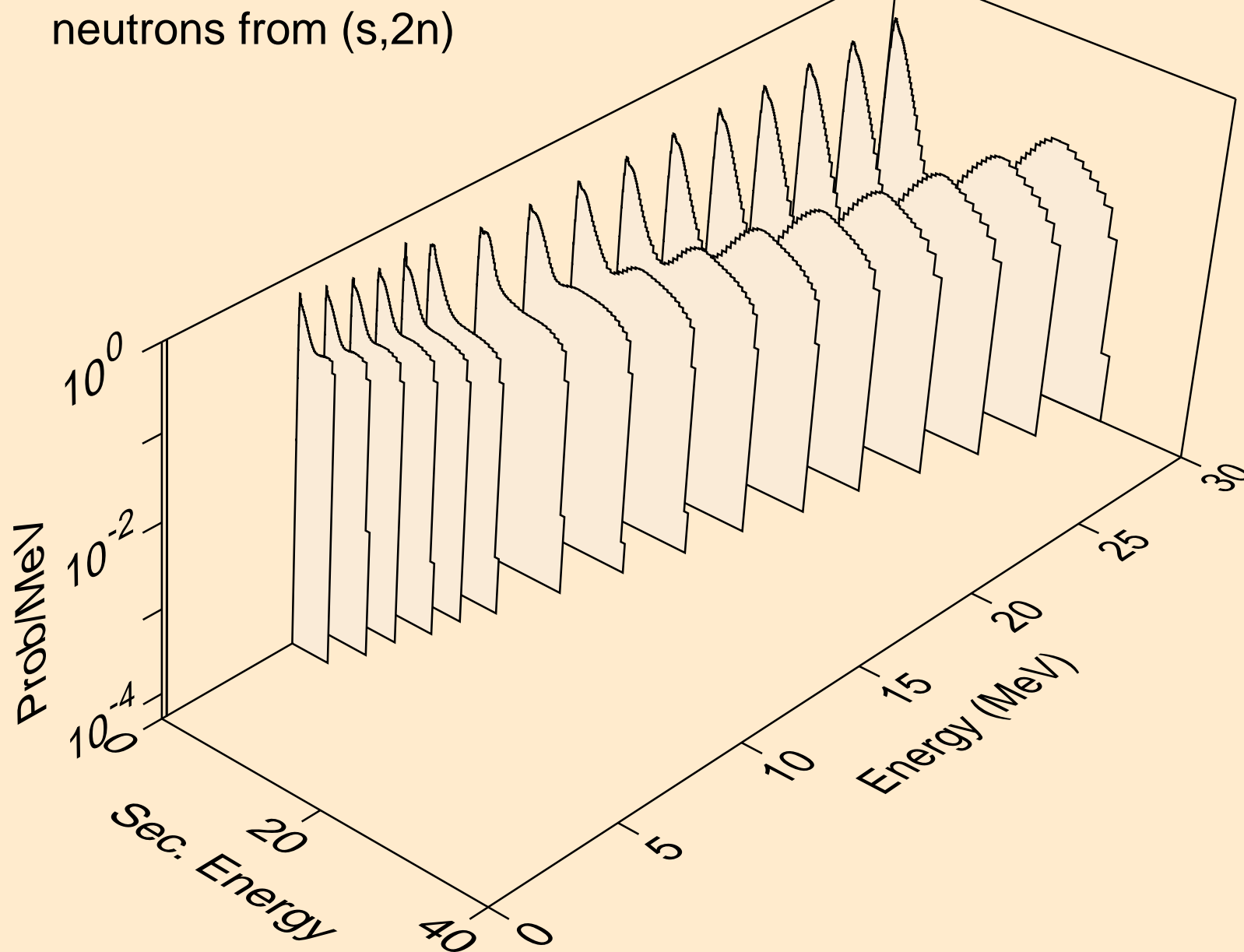
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neutrons from (s,x)



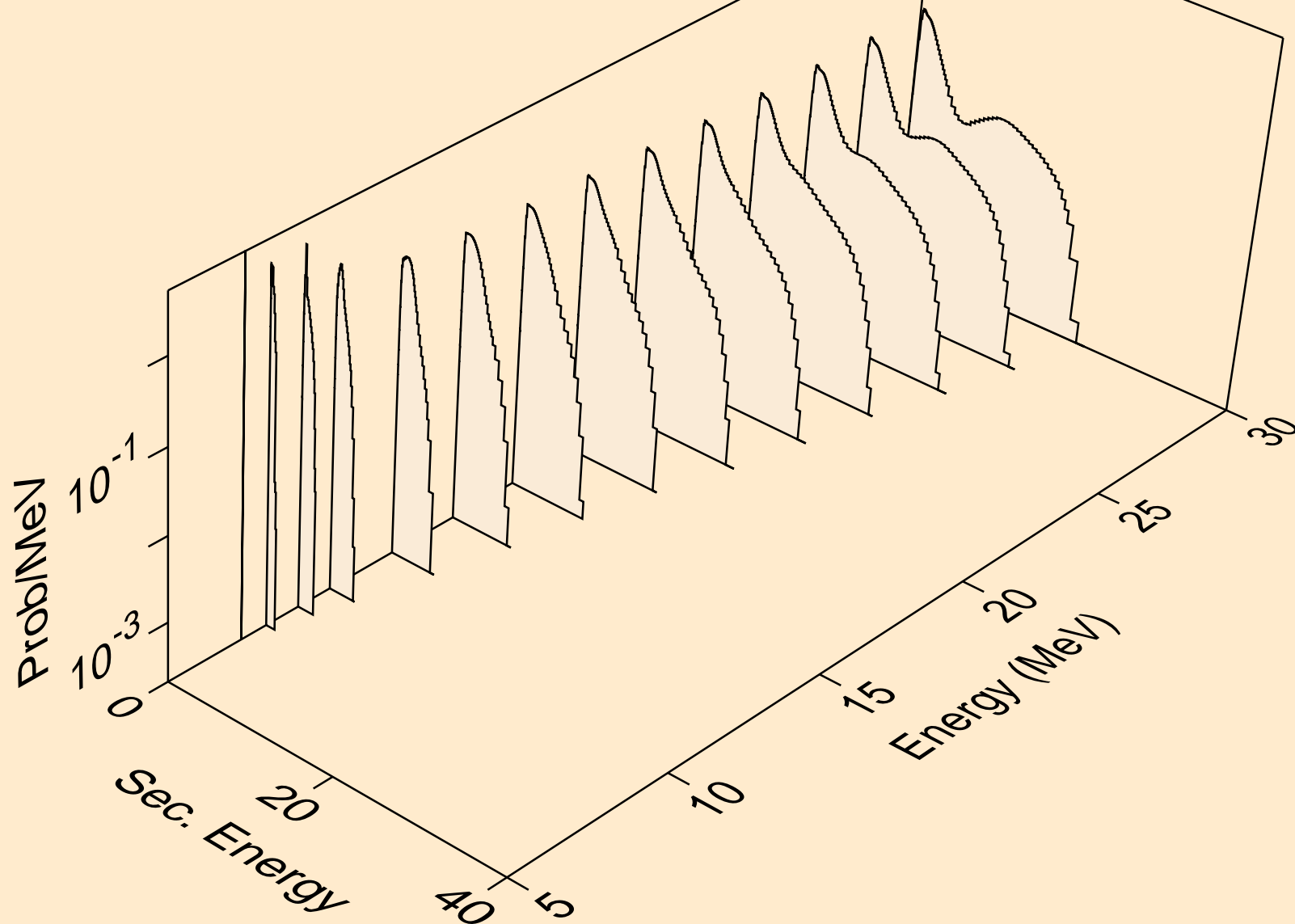
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neutrons from (s,2nd)



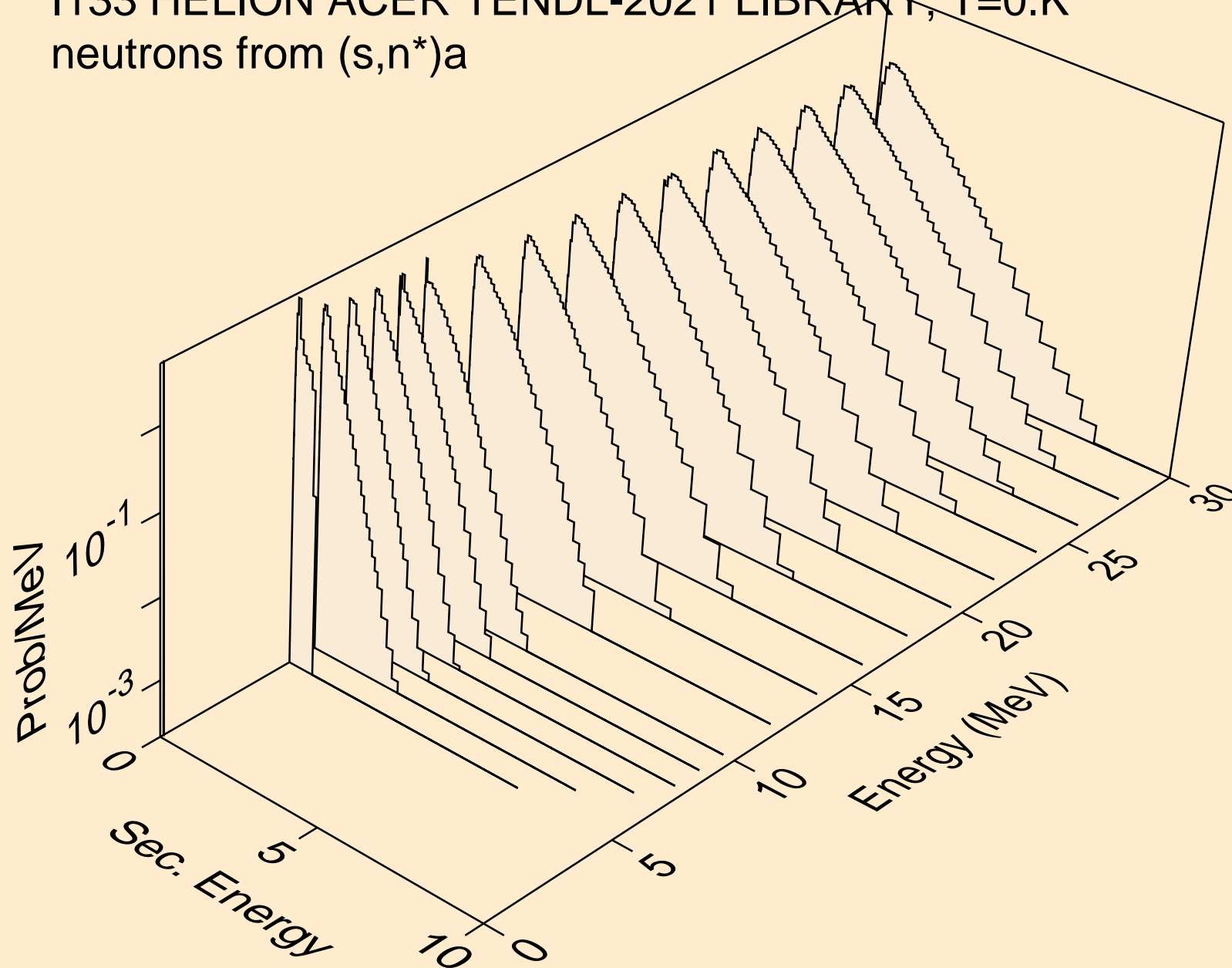
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neutrons from (s,2n)



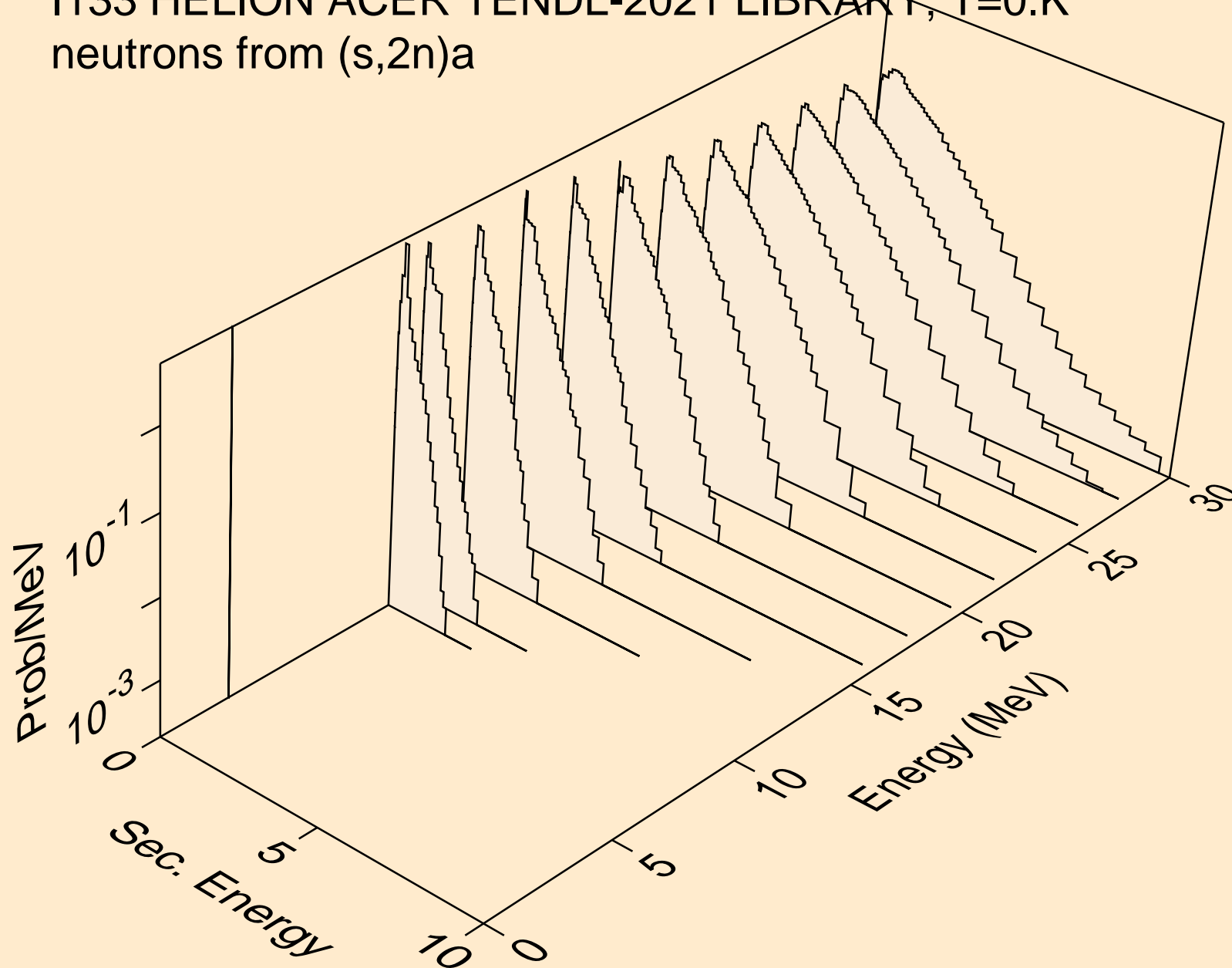
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neutrons from (s,3n)



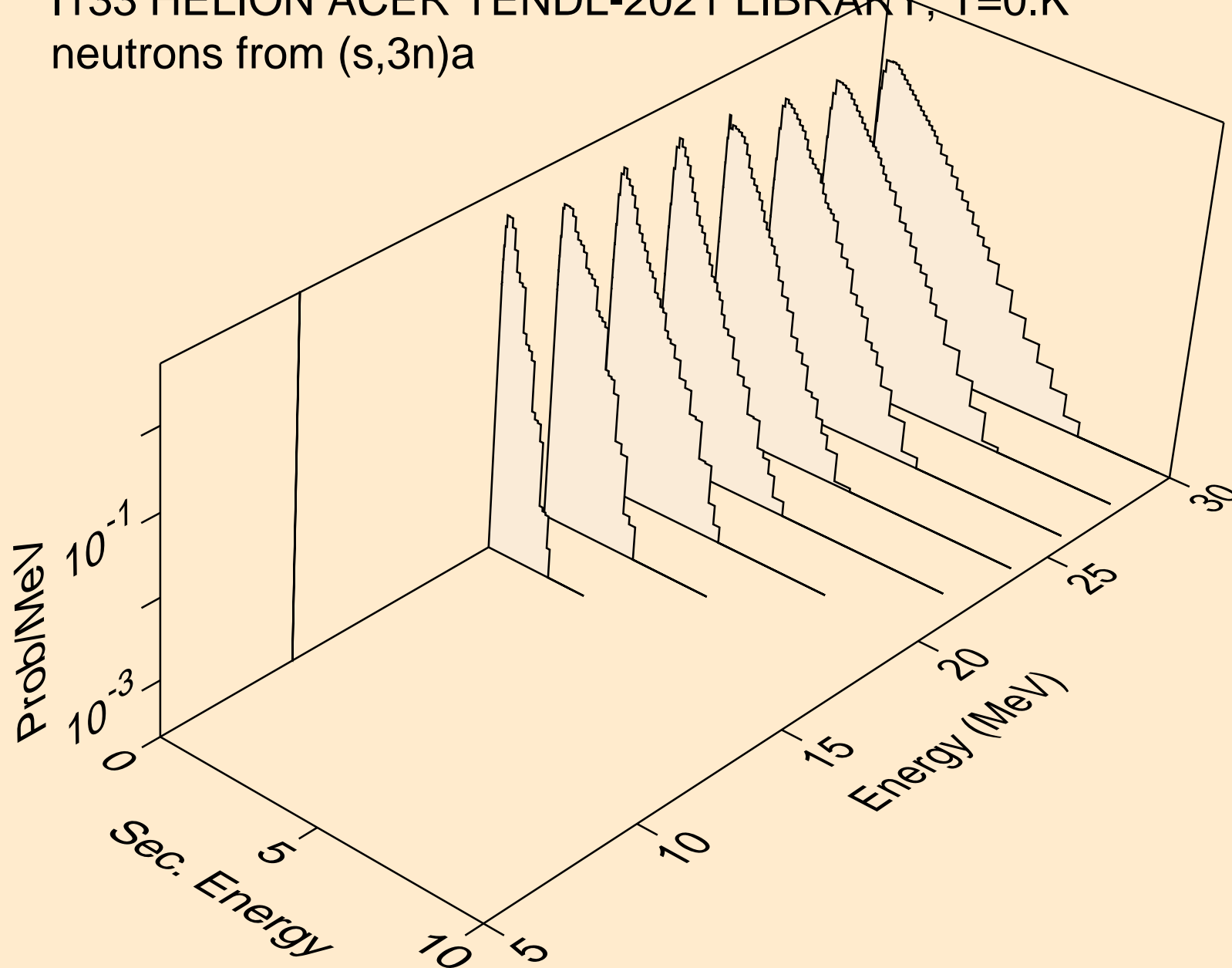
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)a



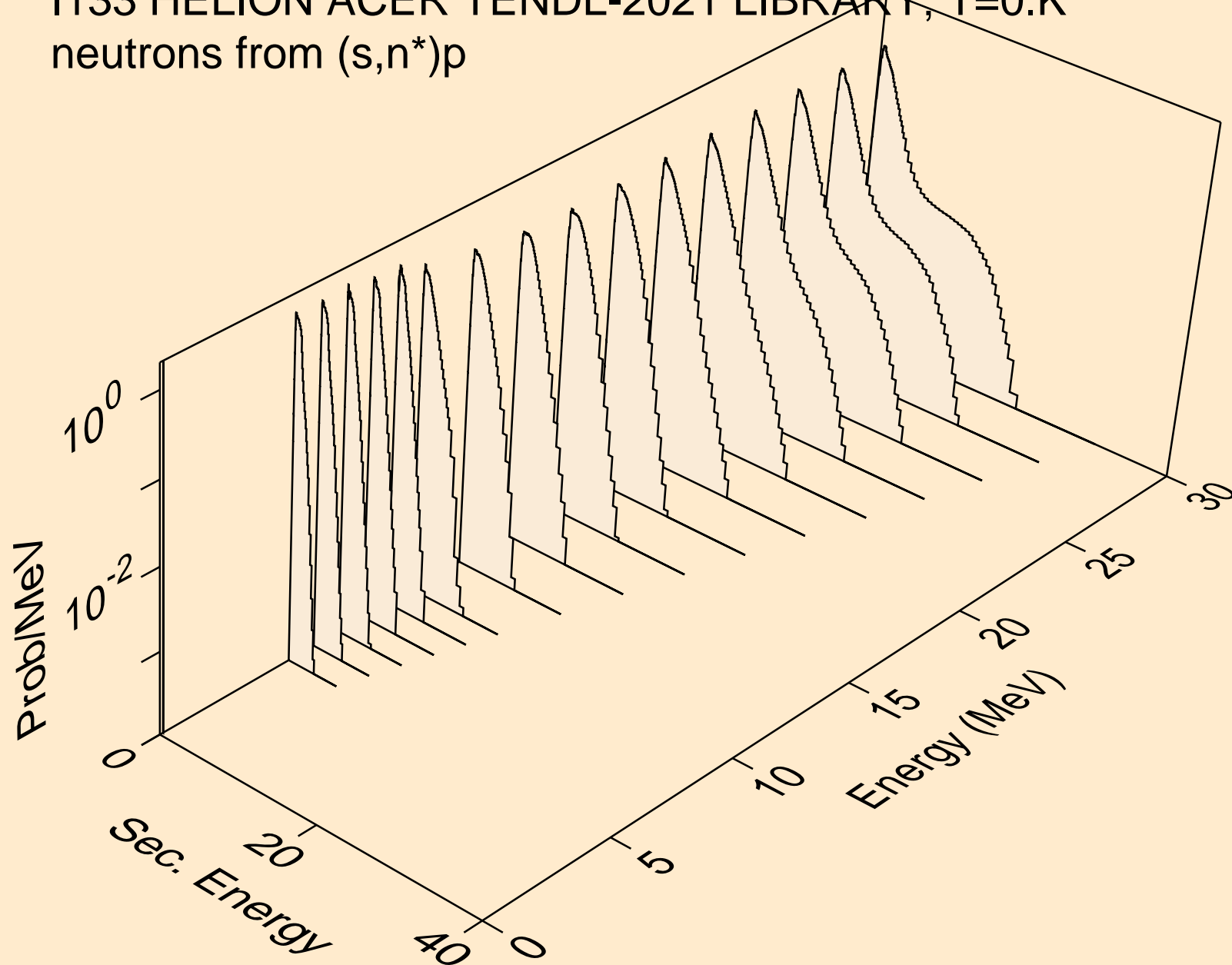
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2n)a



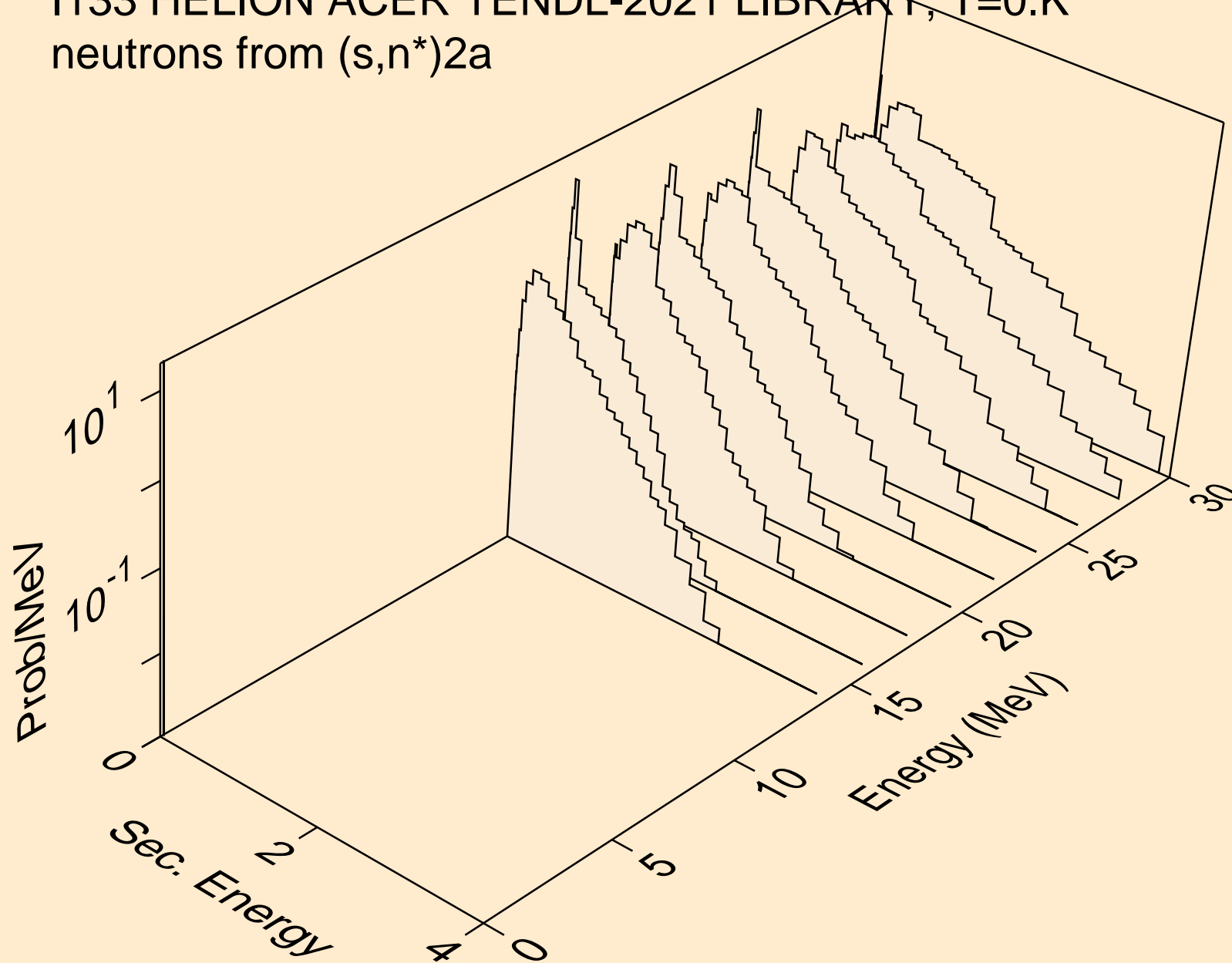
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neutrons from (s,3n)a



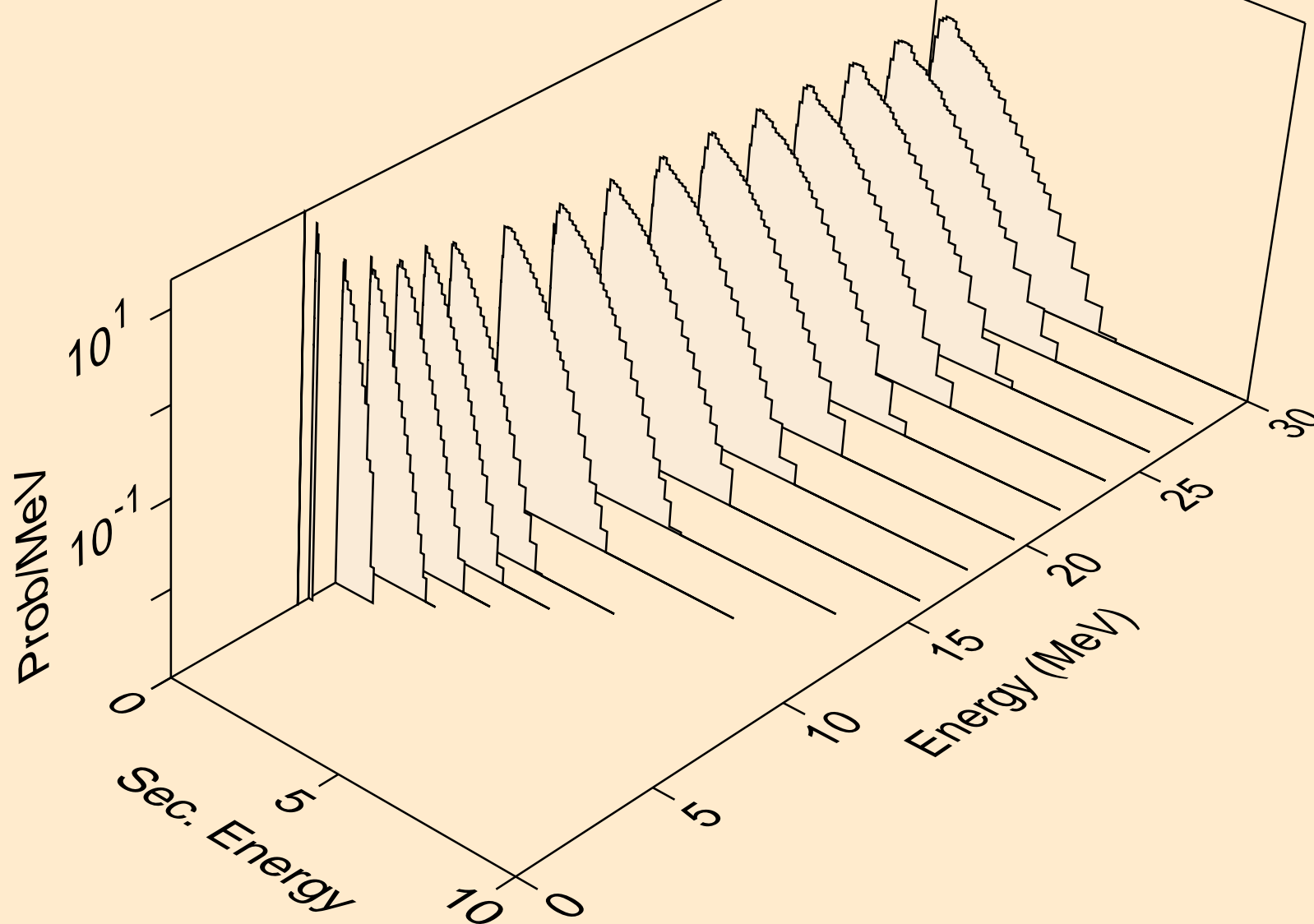
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)p



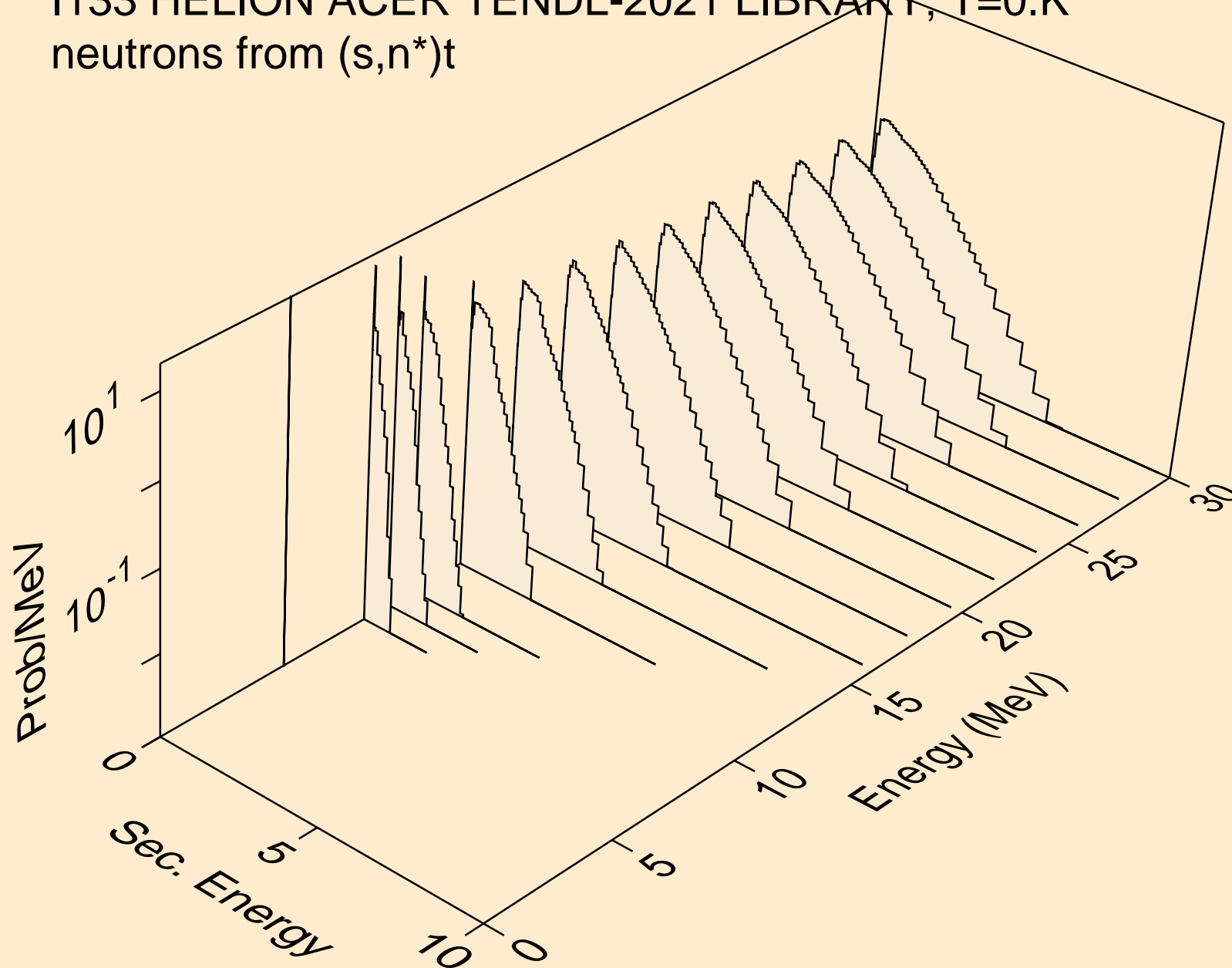
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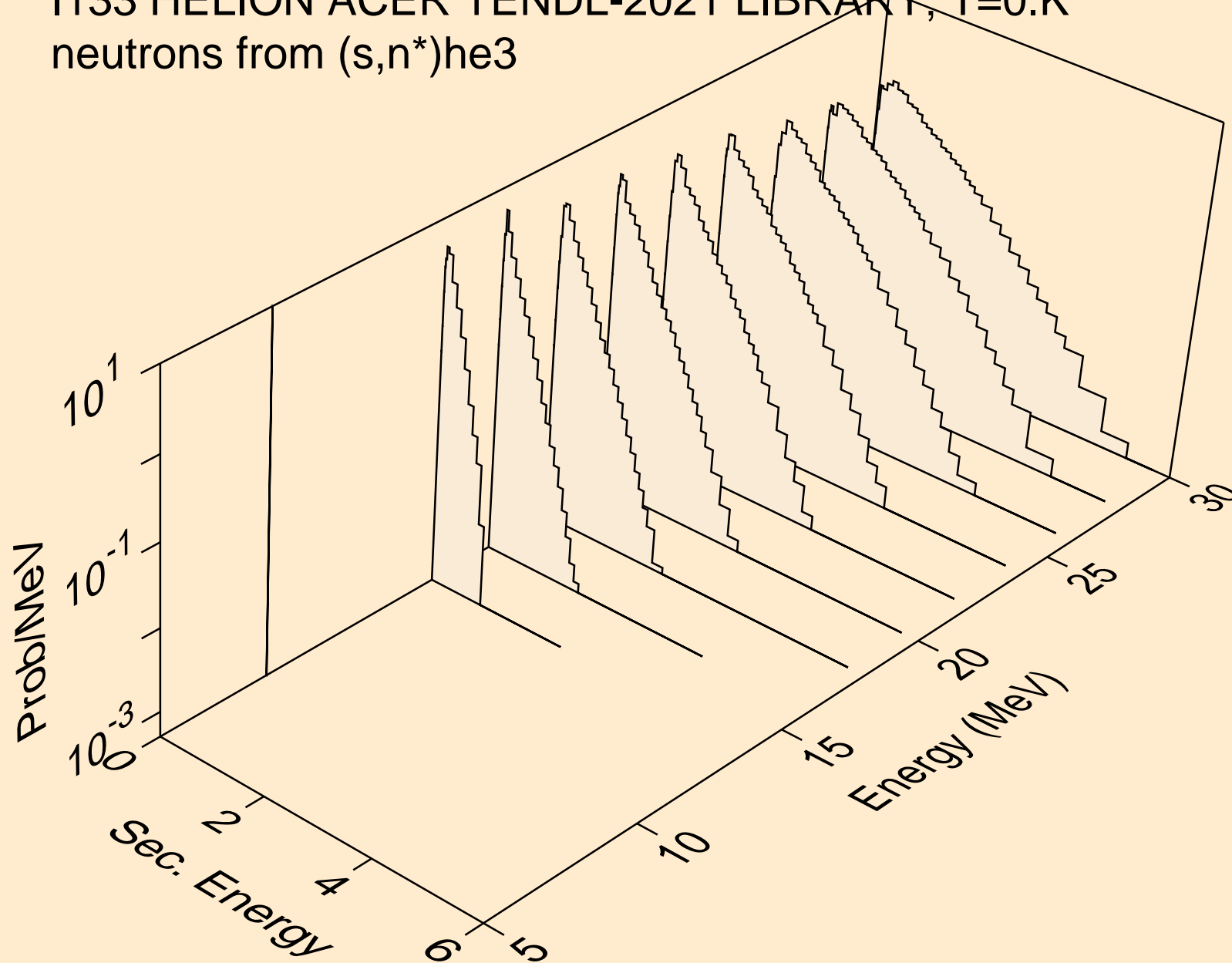
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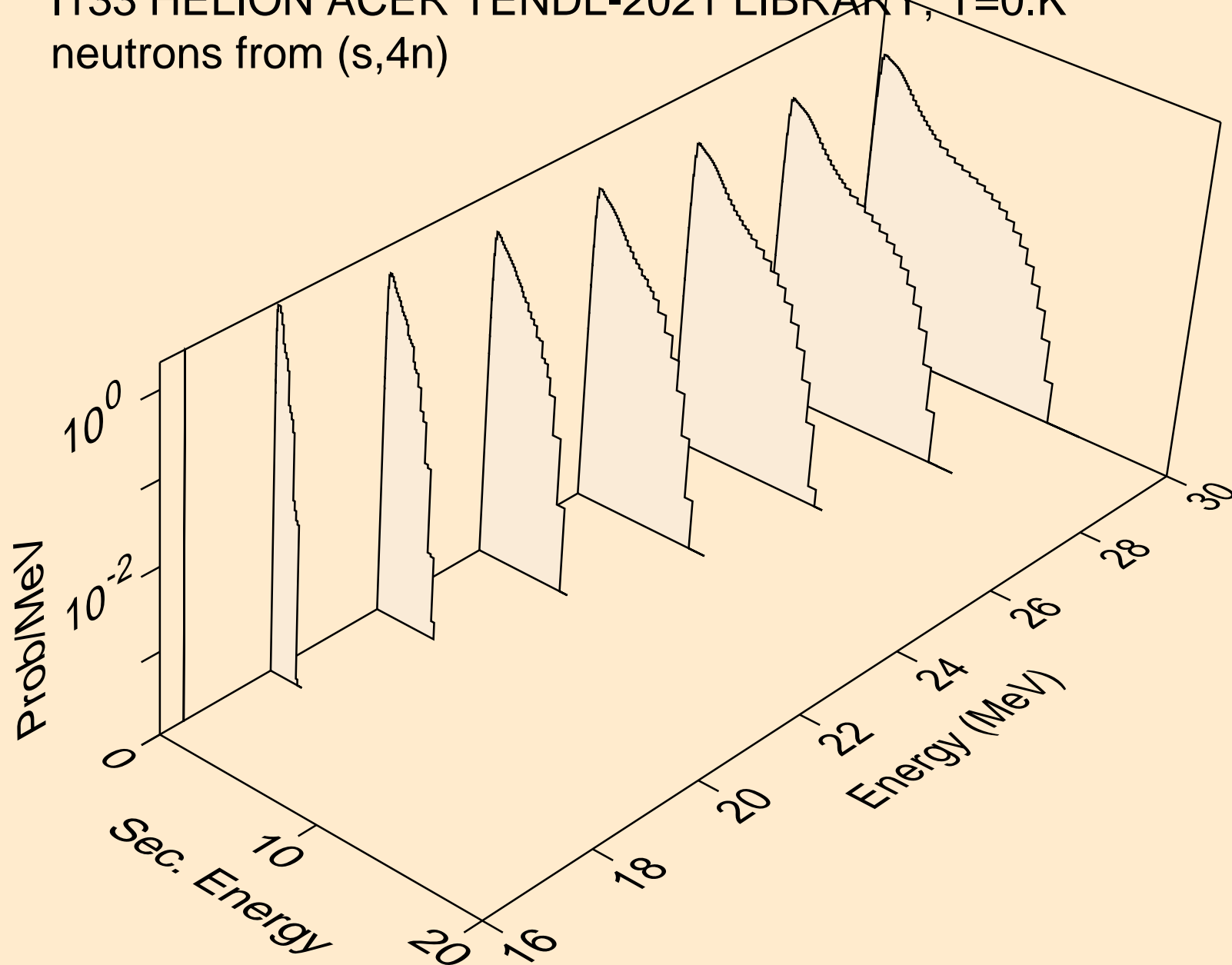
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neutrons from (s,n\*)t



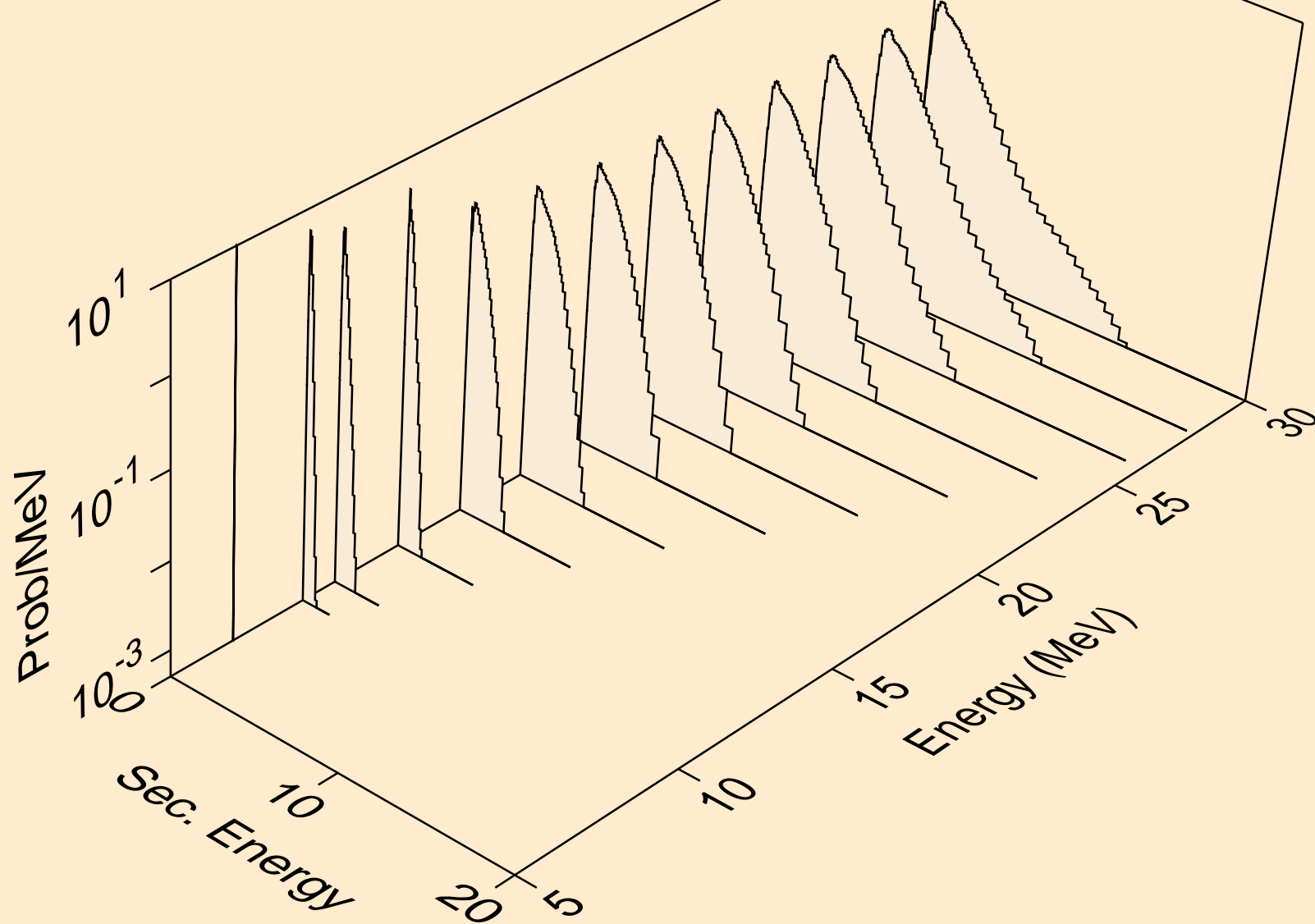
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)he3



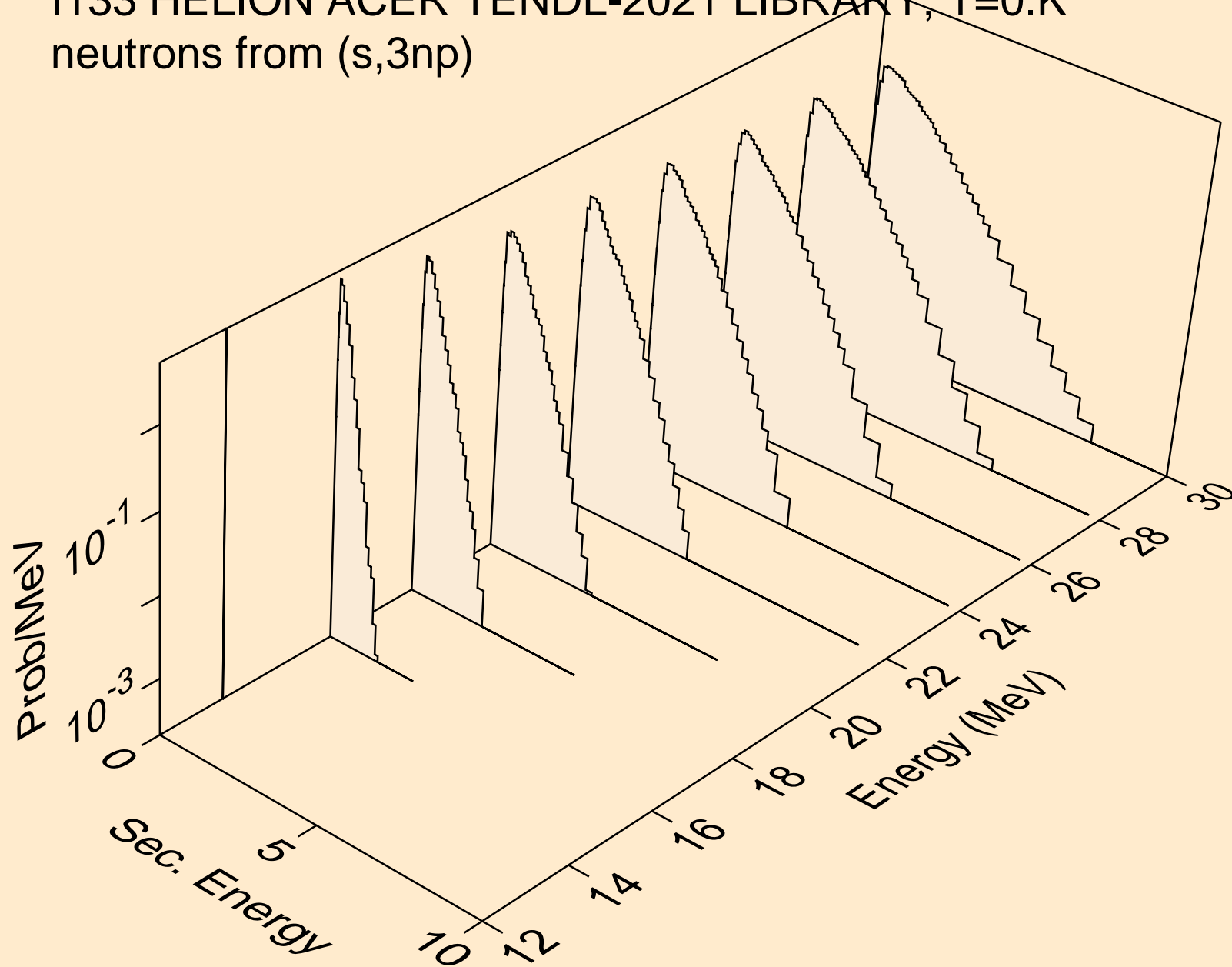
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neutrons from (s,4n)



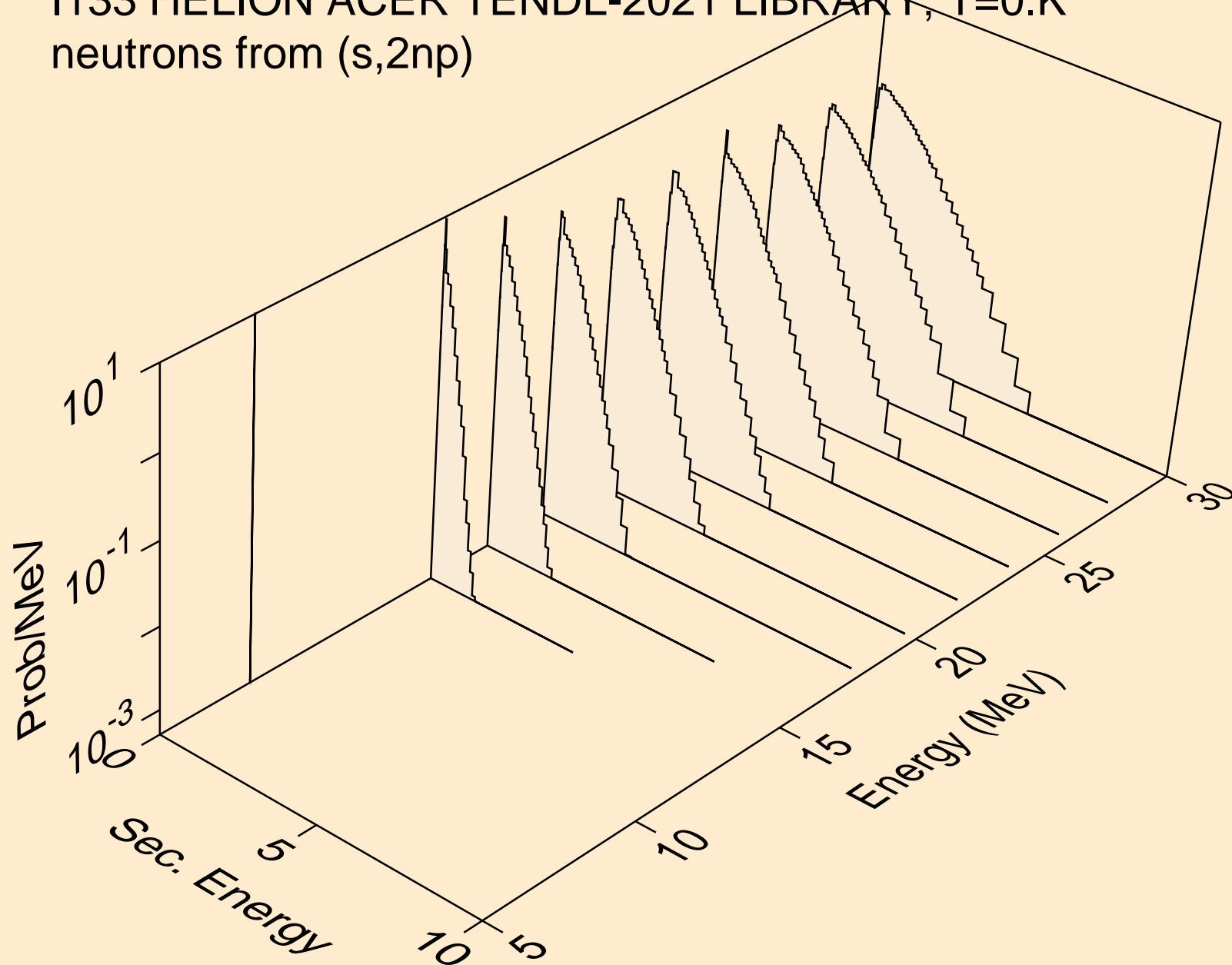
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neutrons from (s,2np)



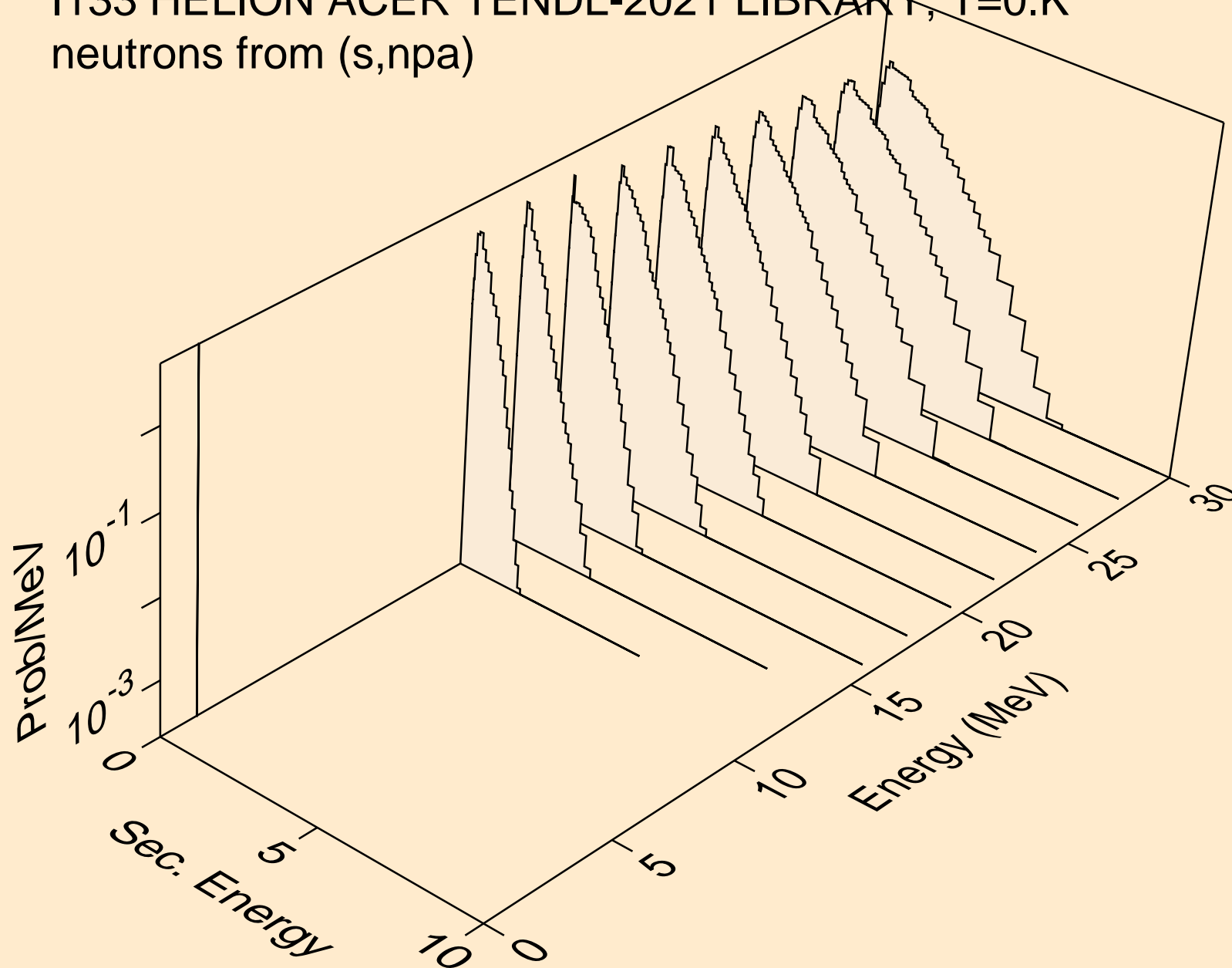
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neutrons from (s,3np)



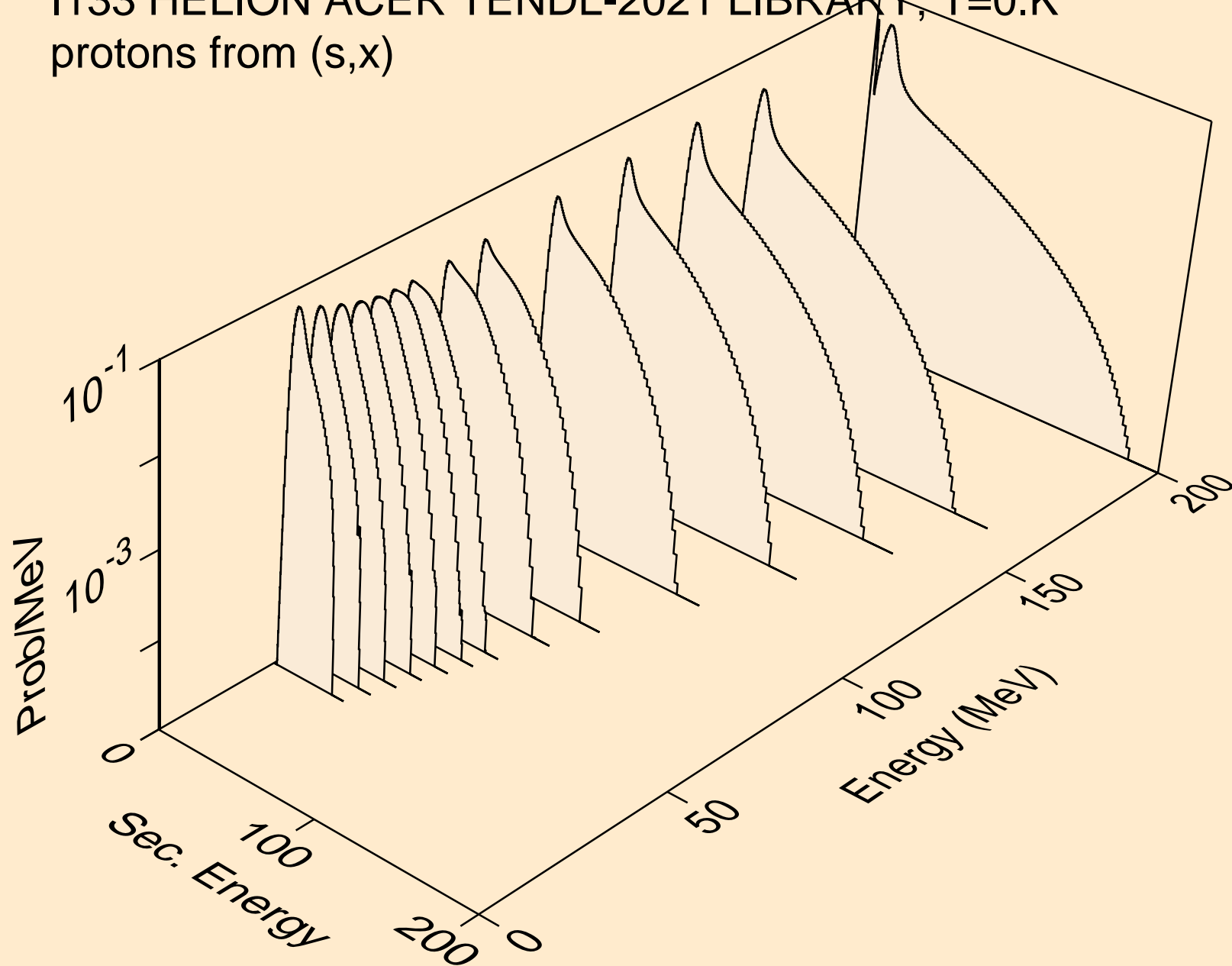
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neutrons from (s,2np)



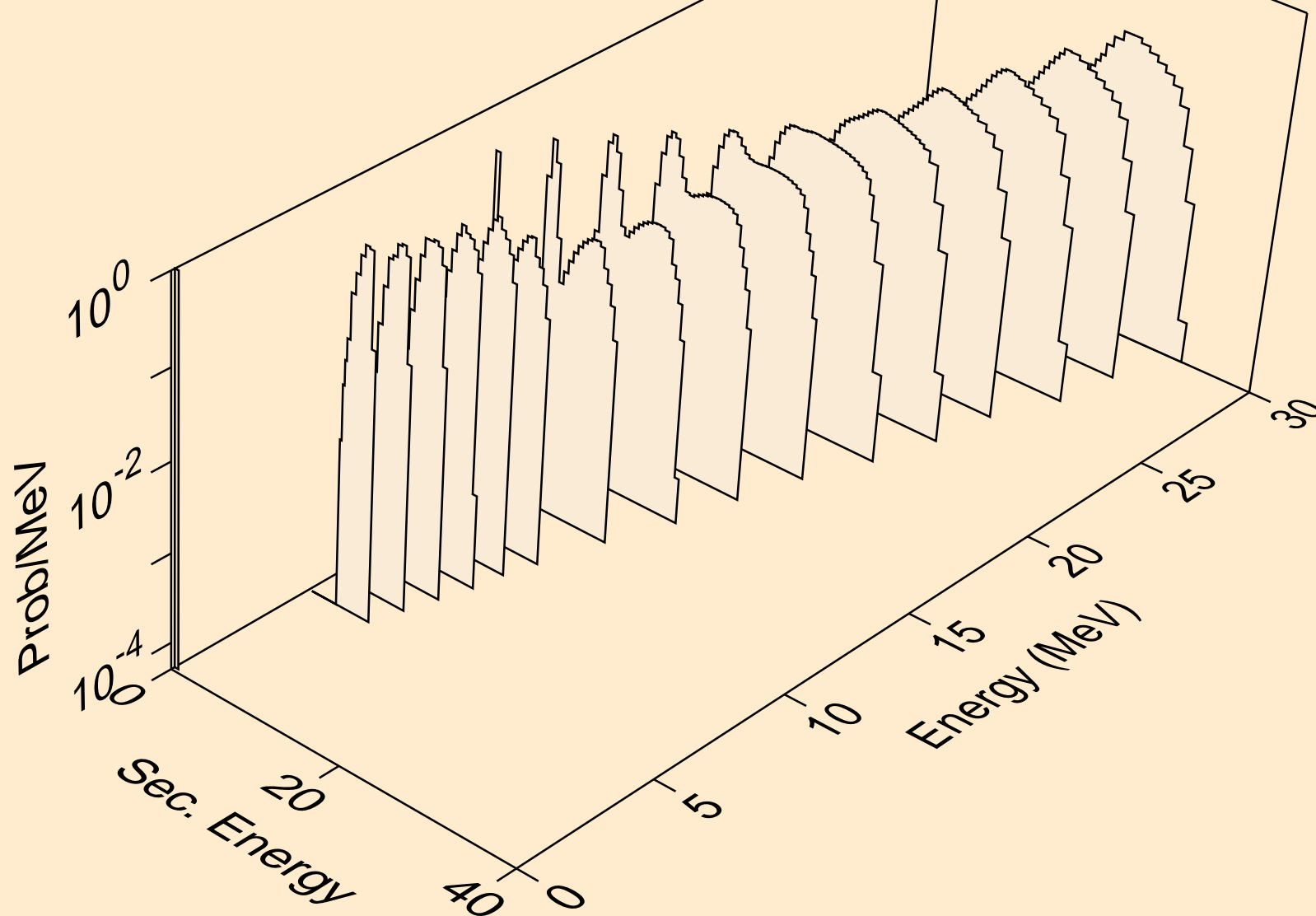
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,npa)



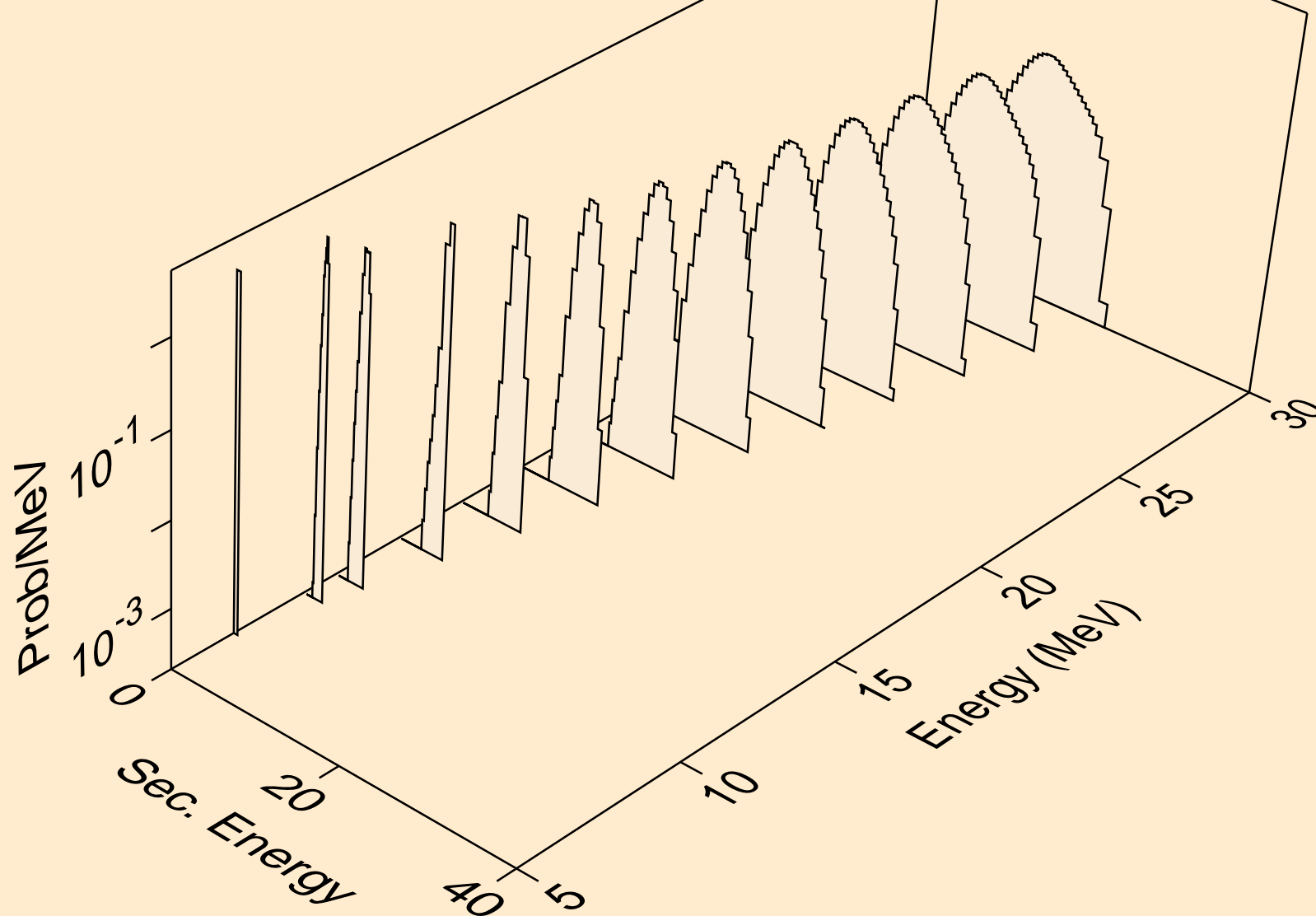
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K  
protons from (s,x)



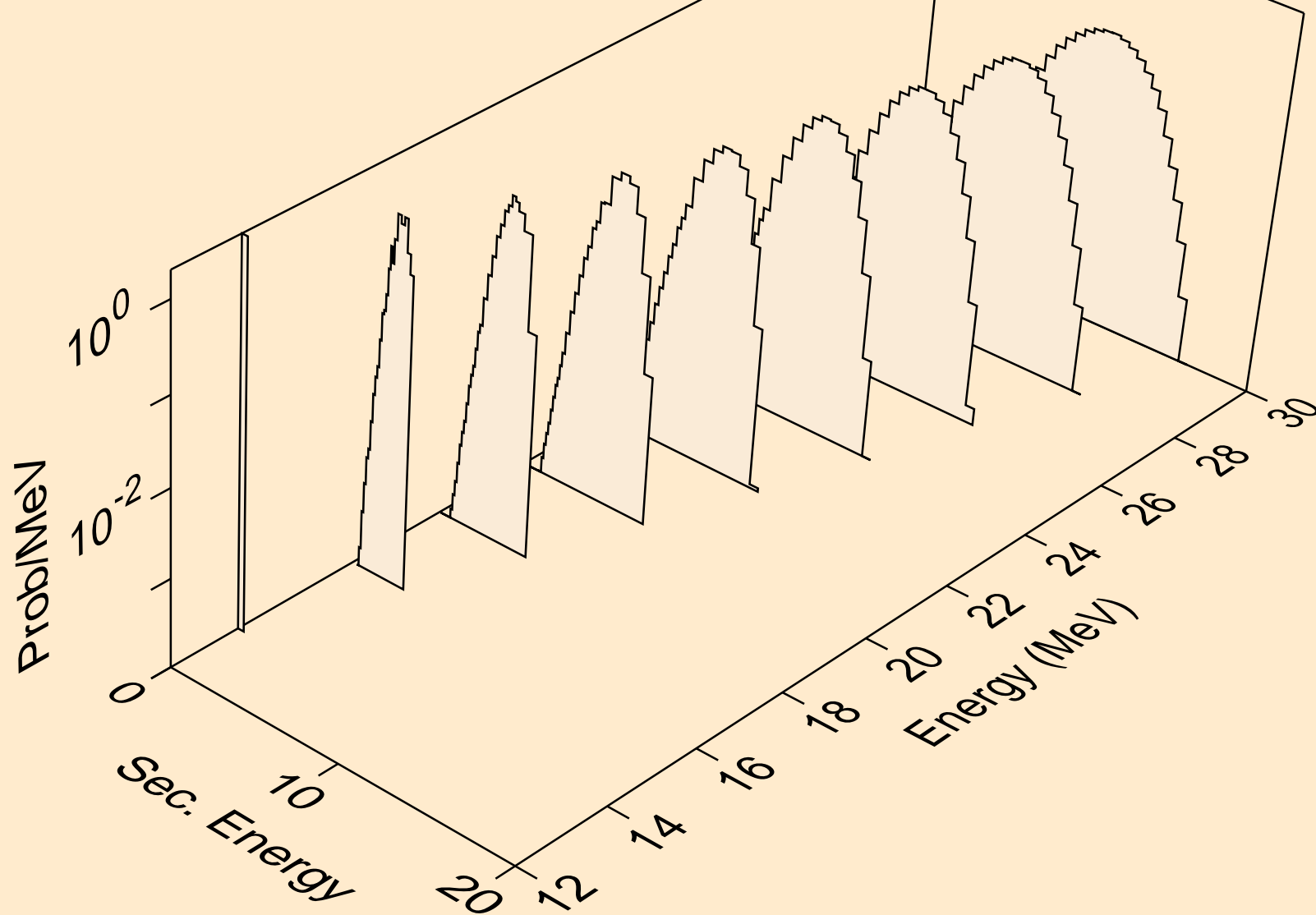
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K  
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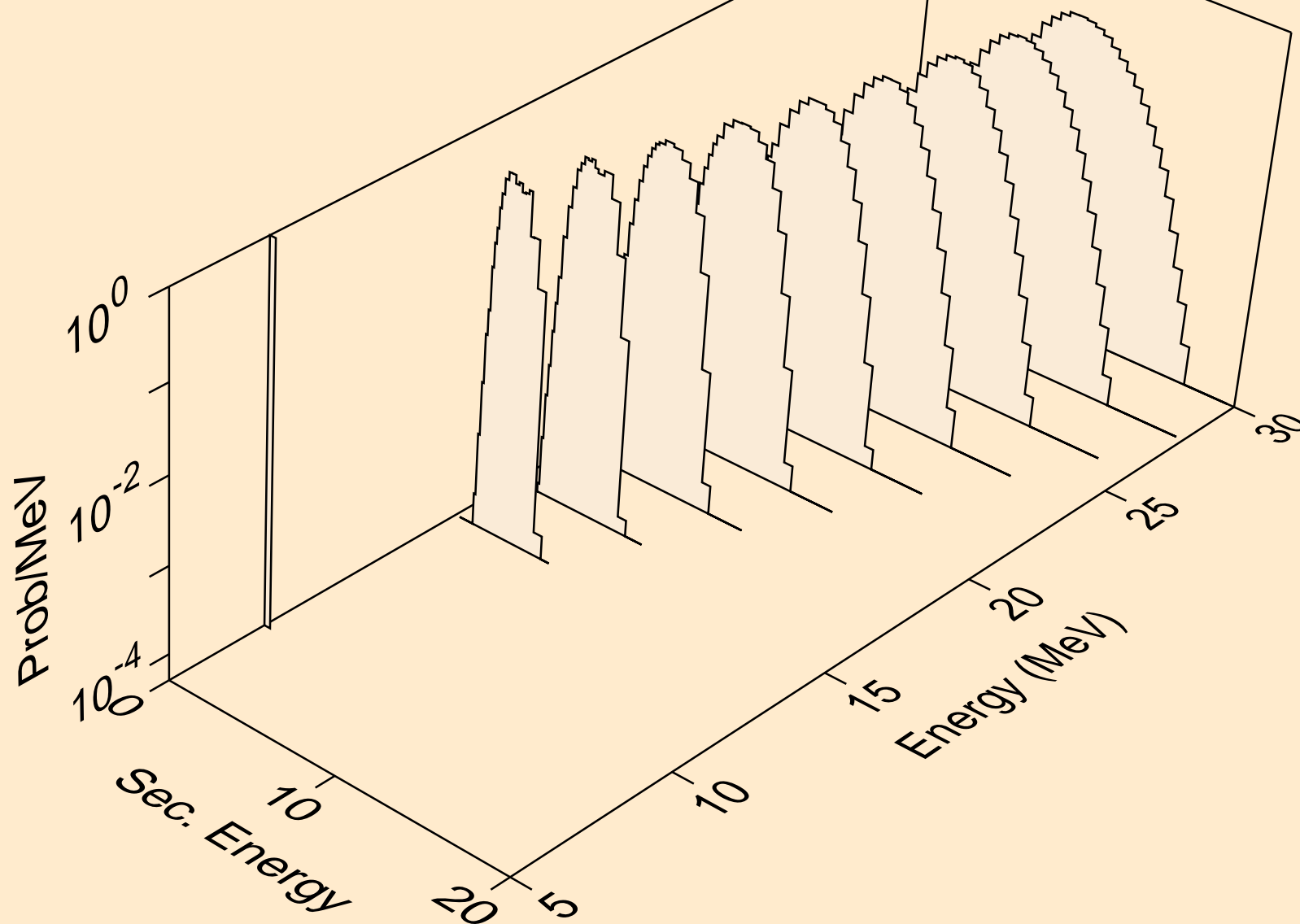
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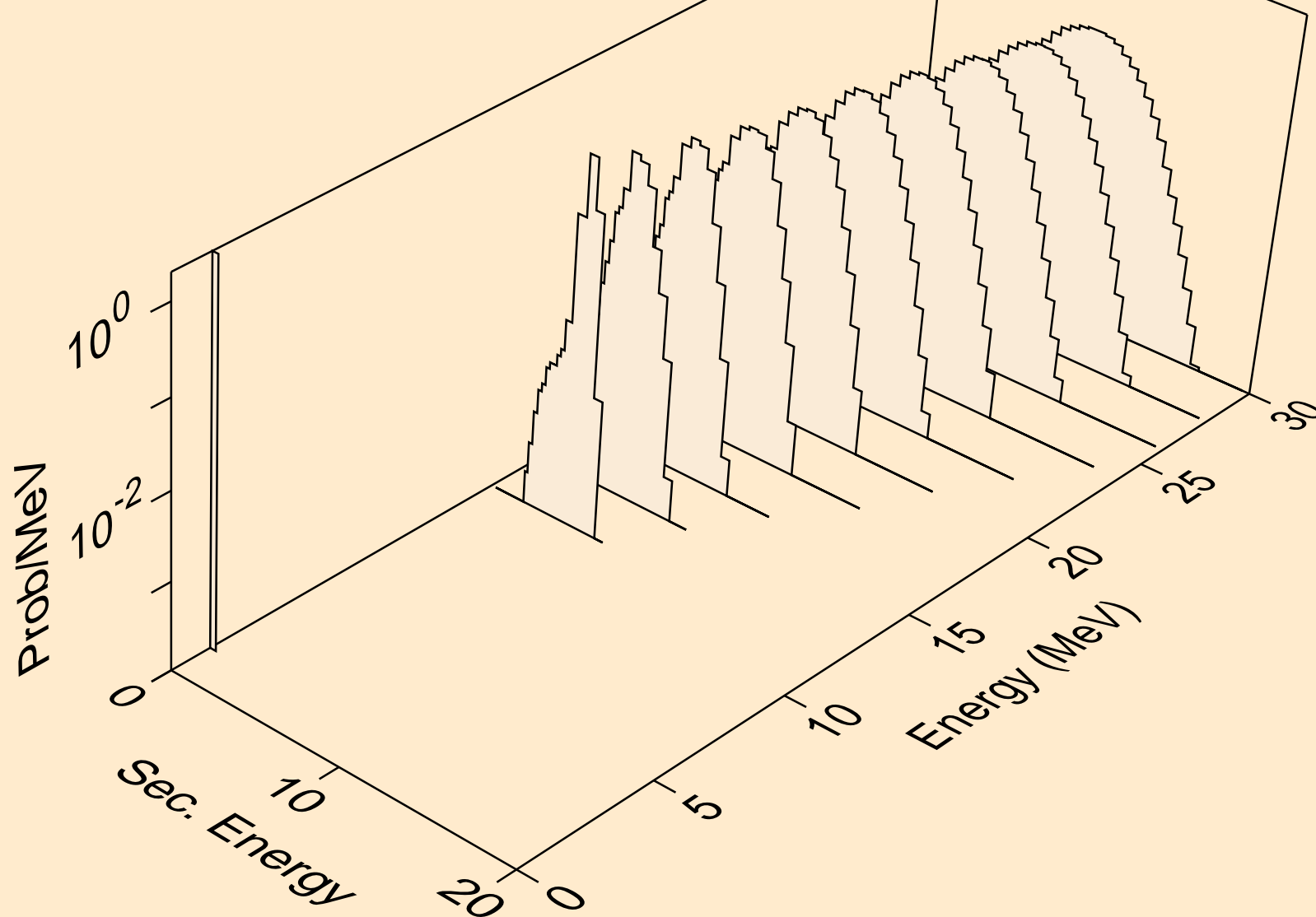
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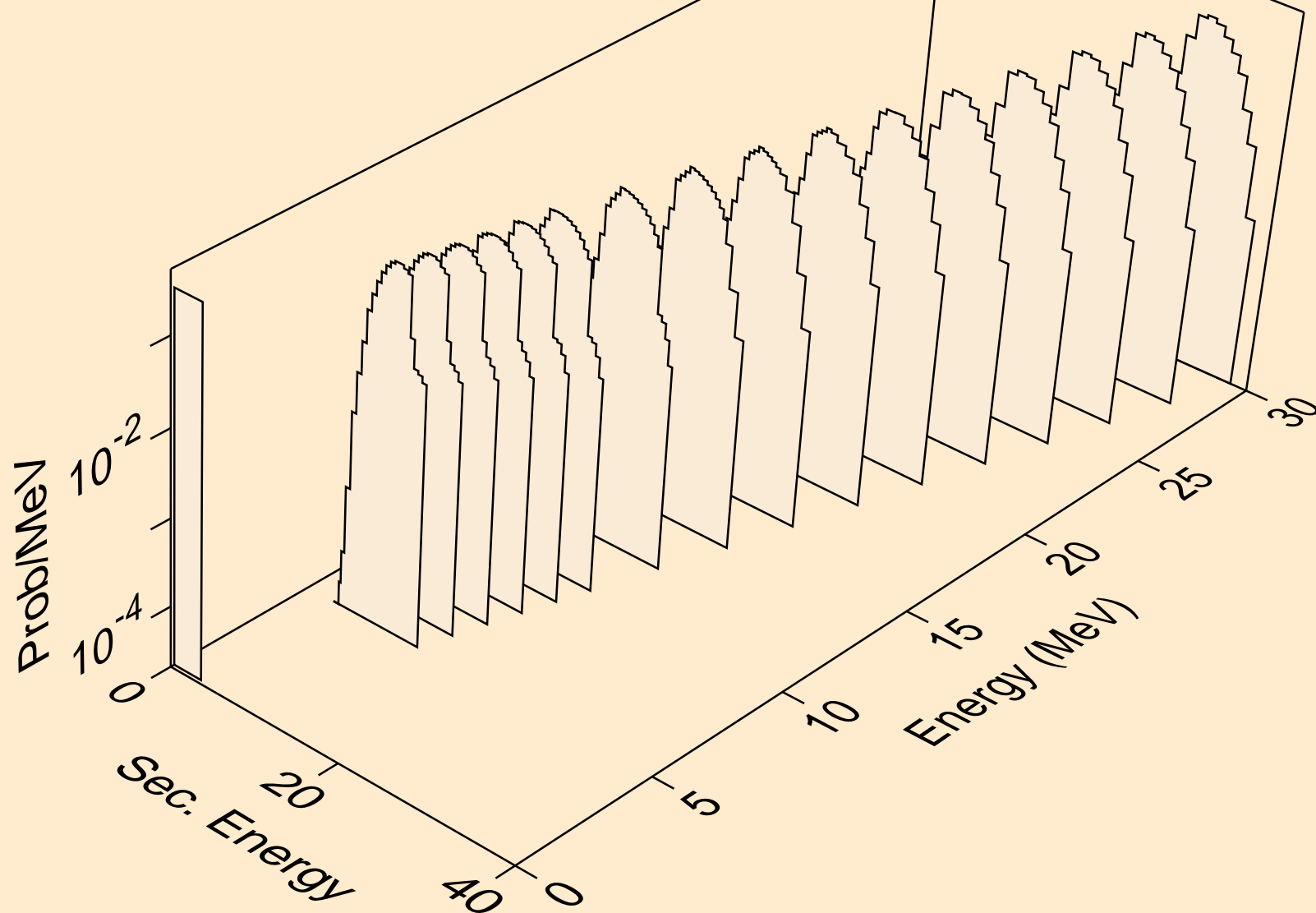
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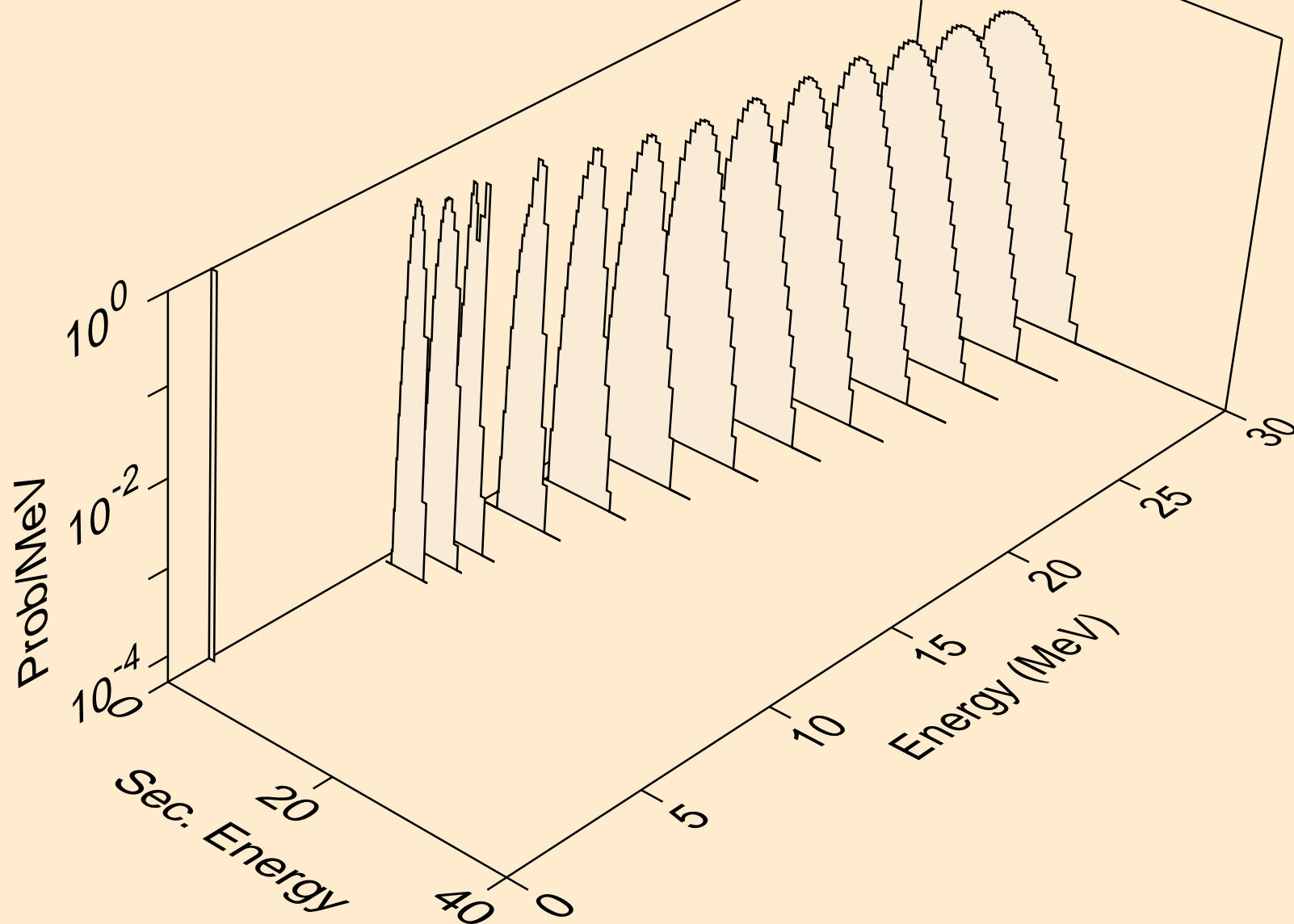
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protons from (s,npa)



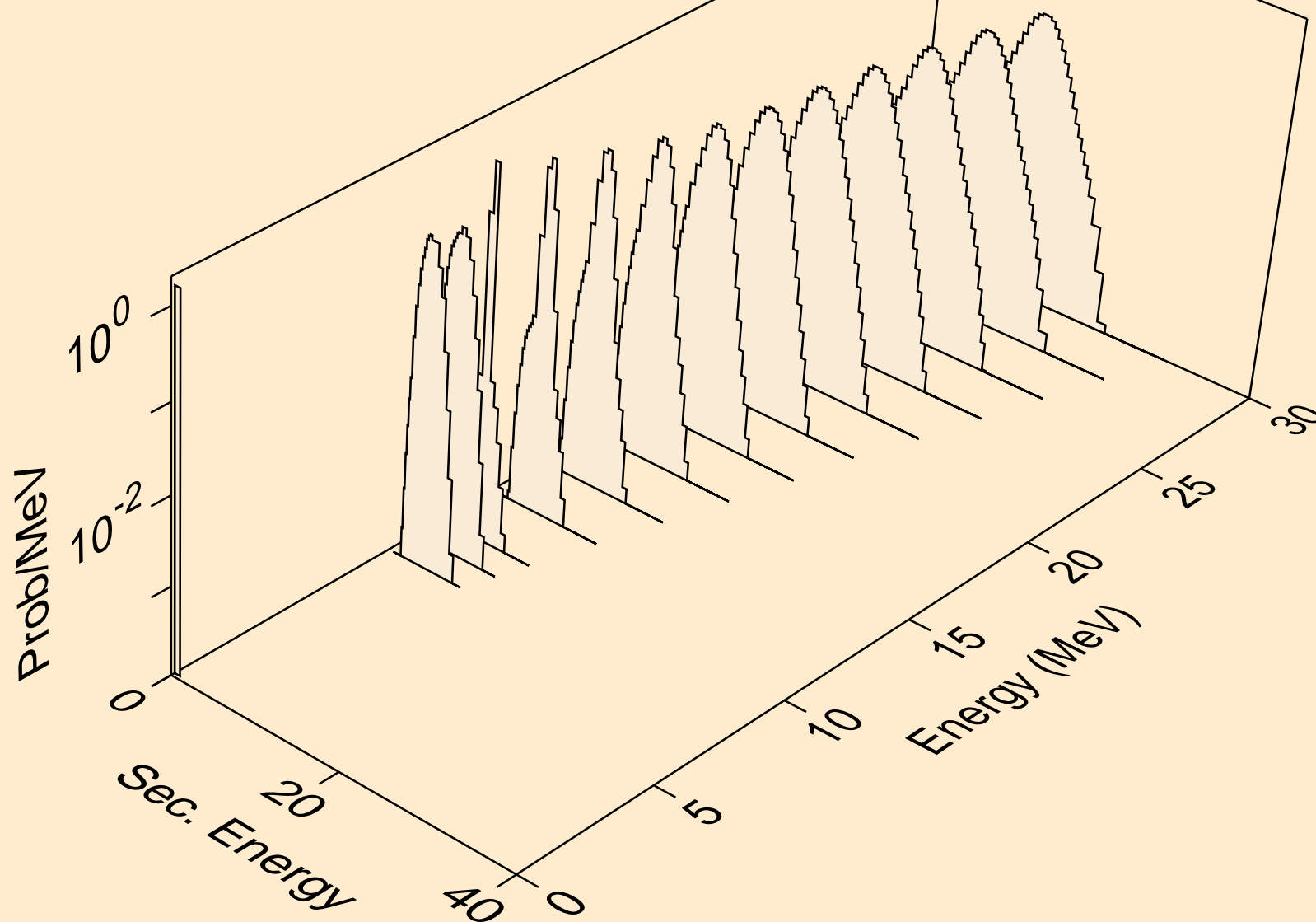
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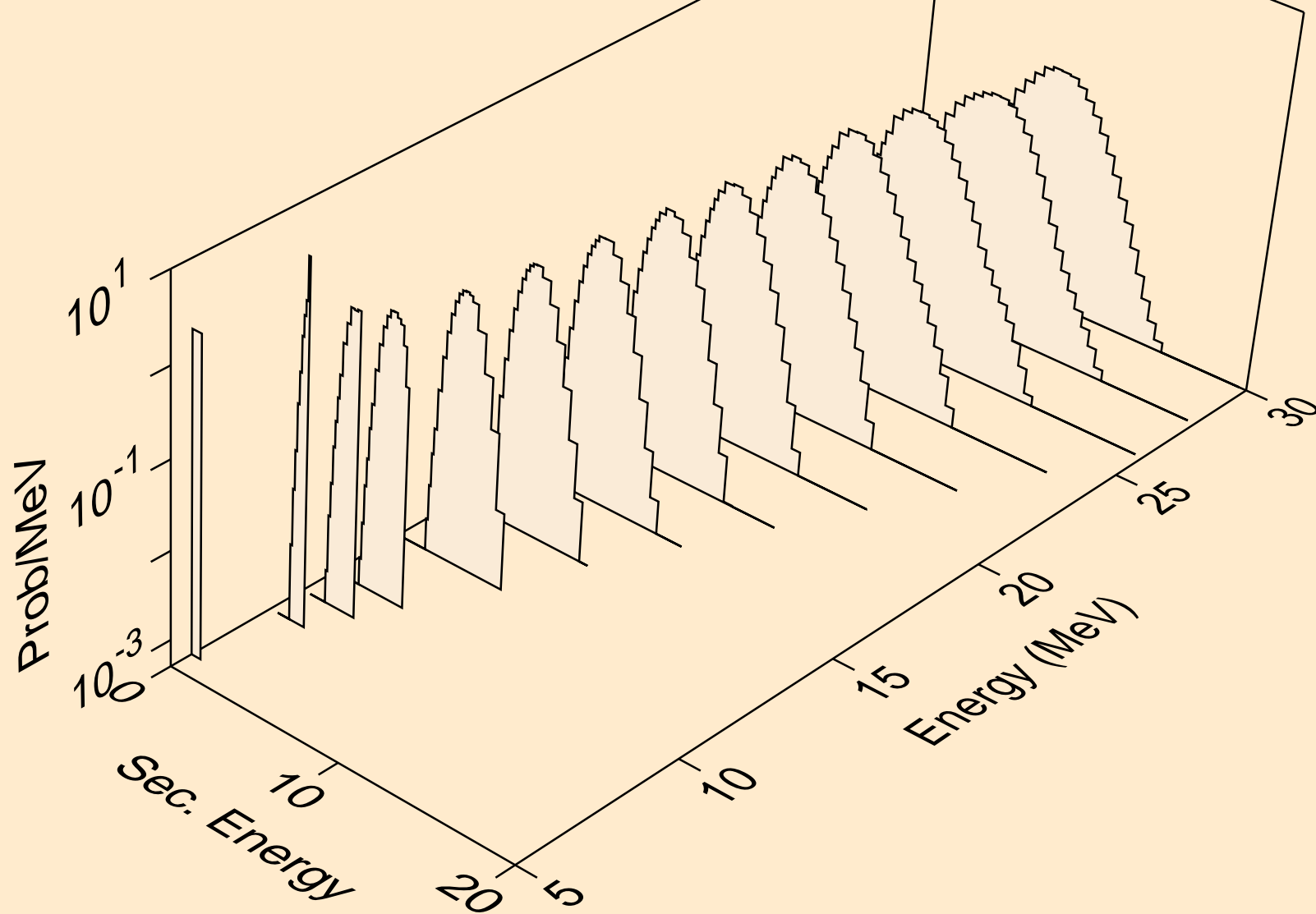
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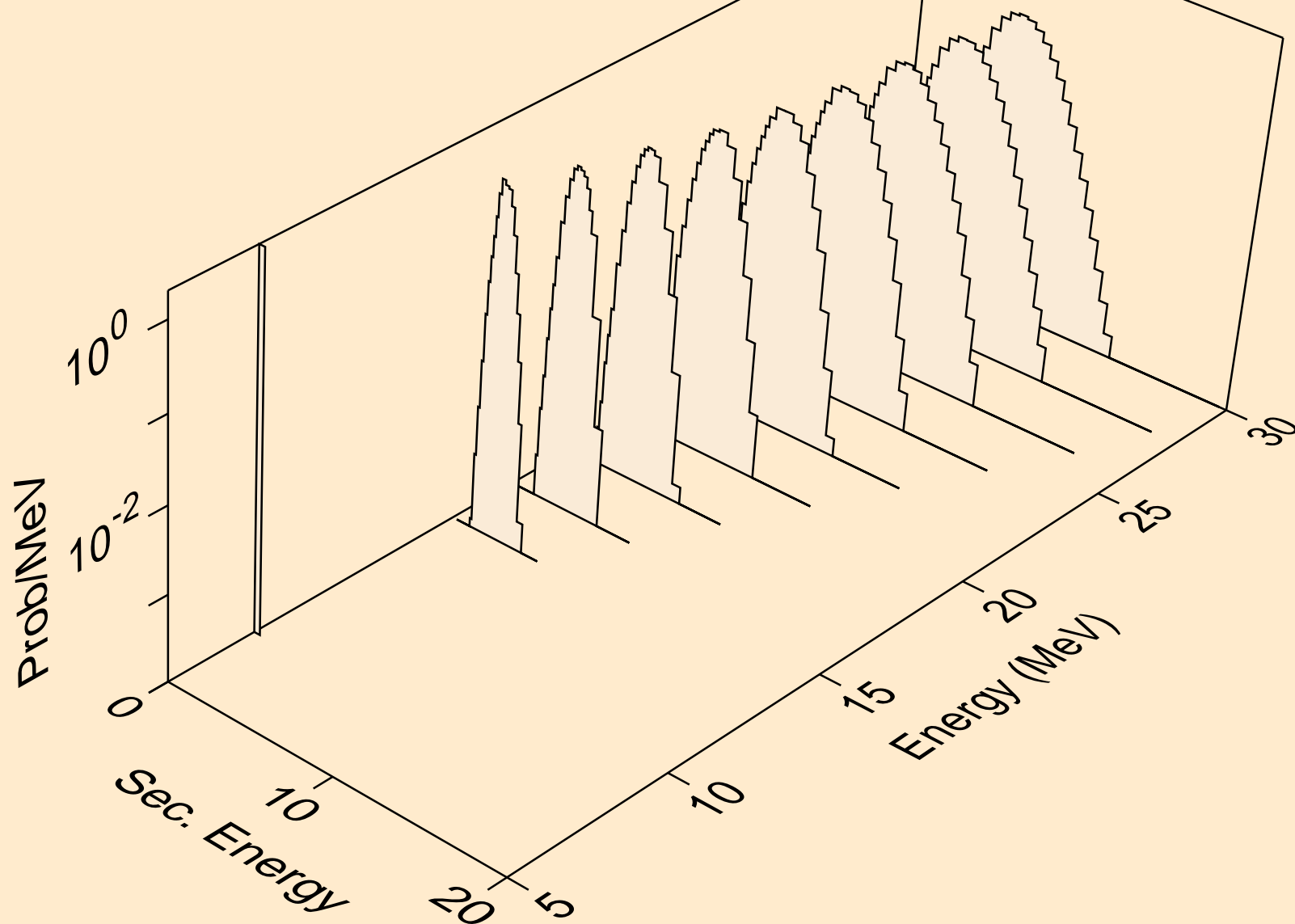
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protons from (s,pa)



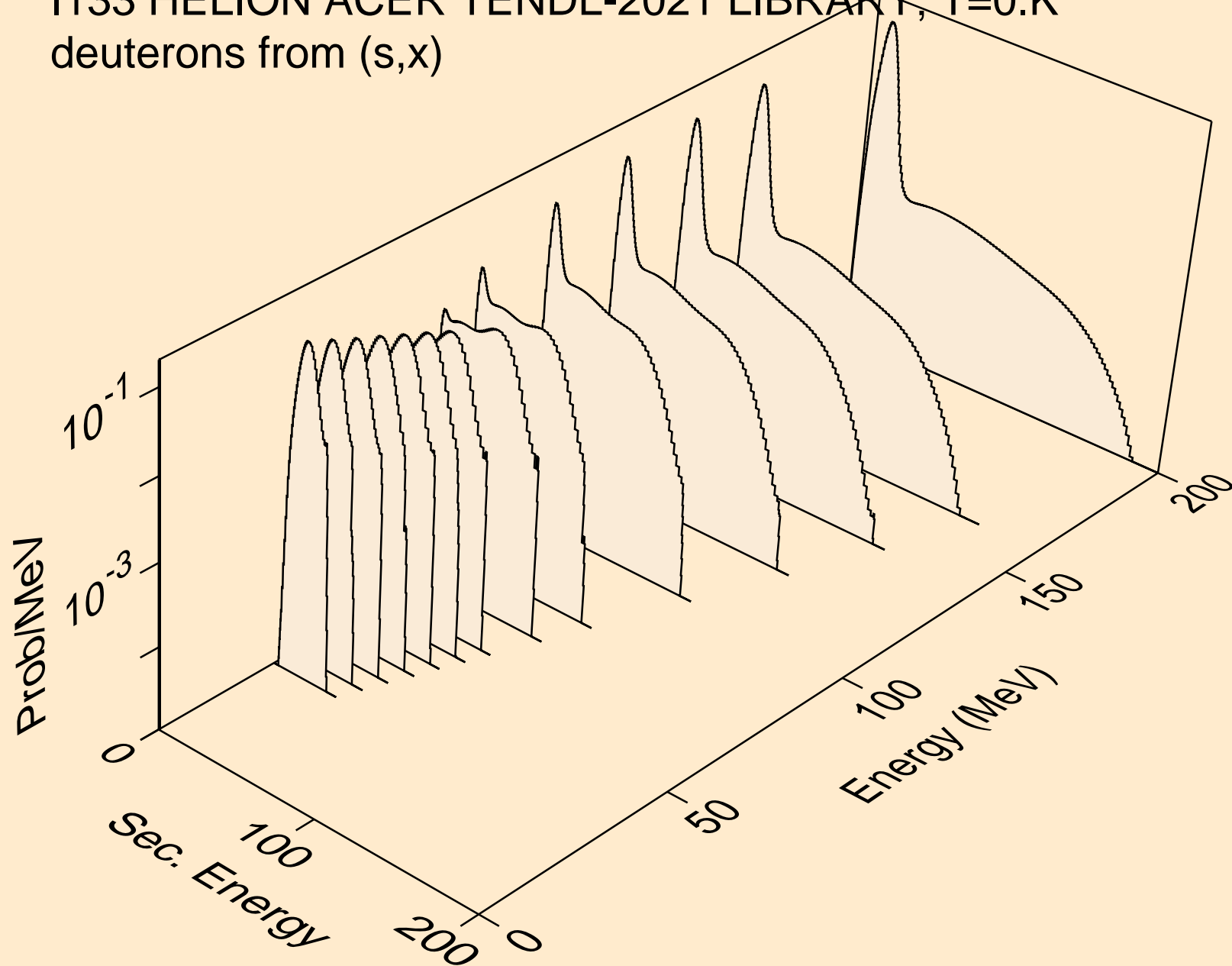
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protons from (s,pd)



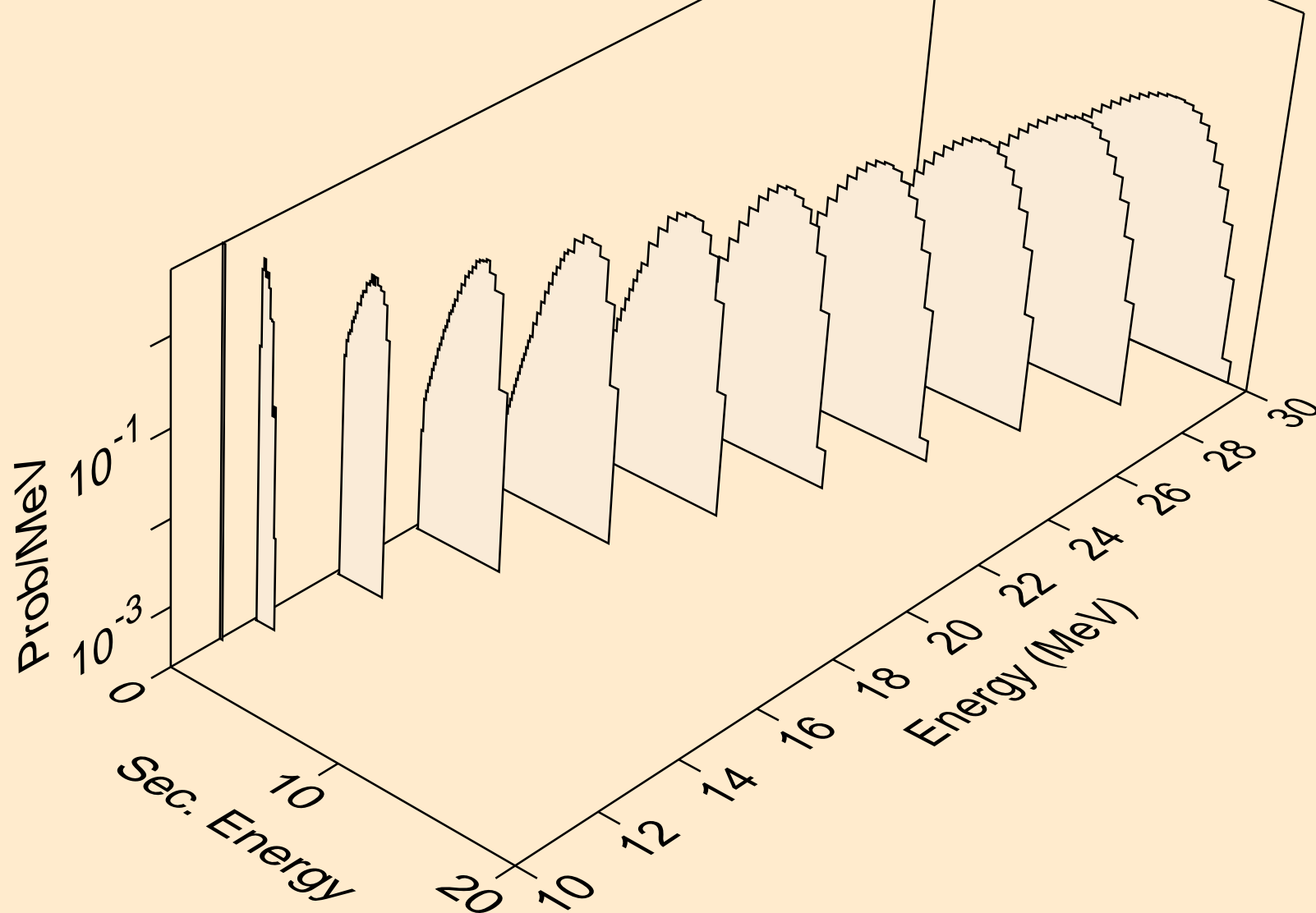
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protons from (s,pt)



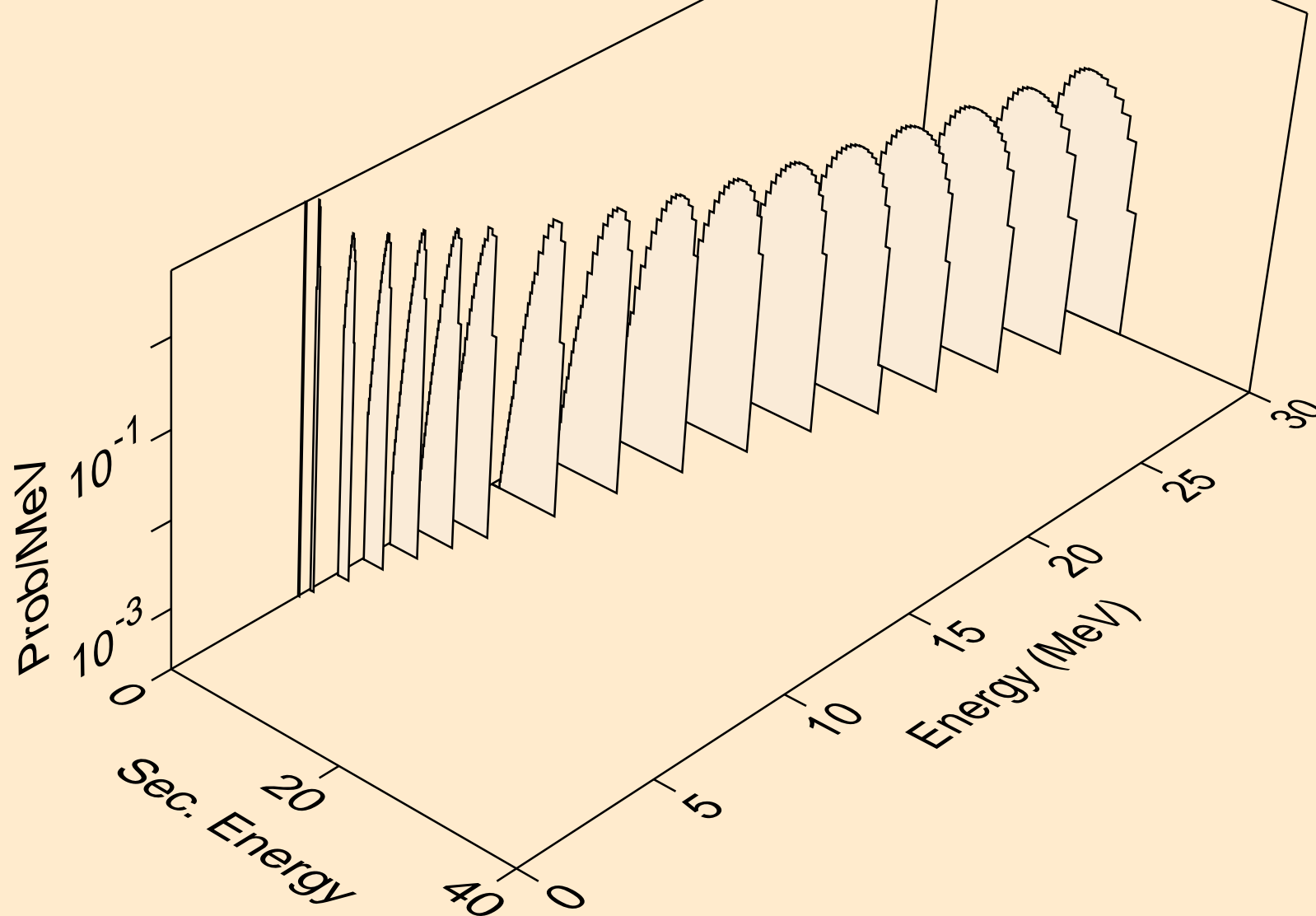
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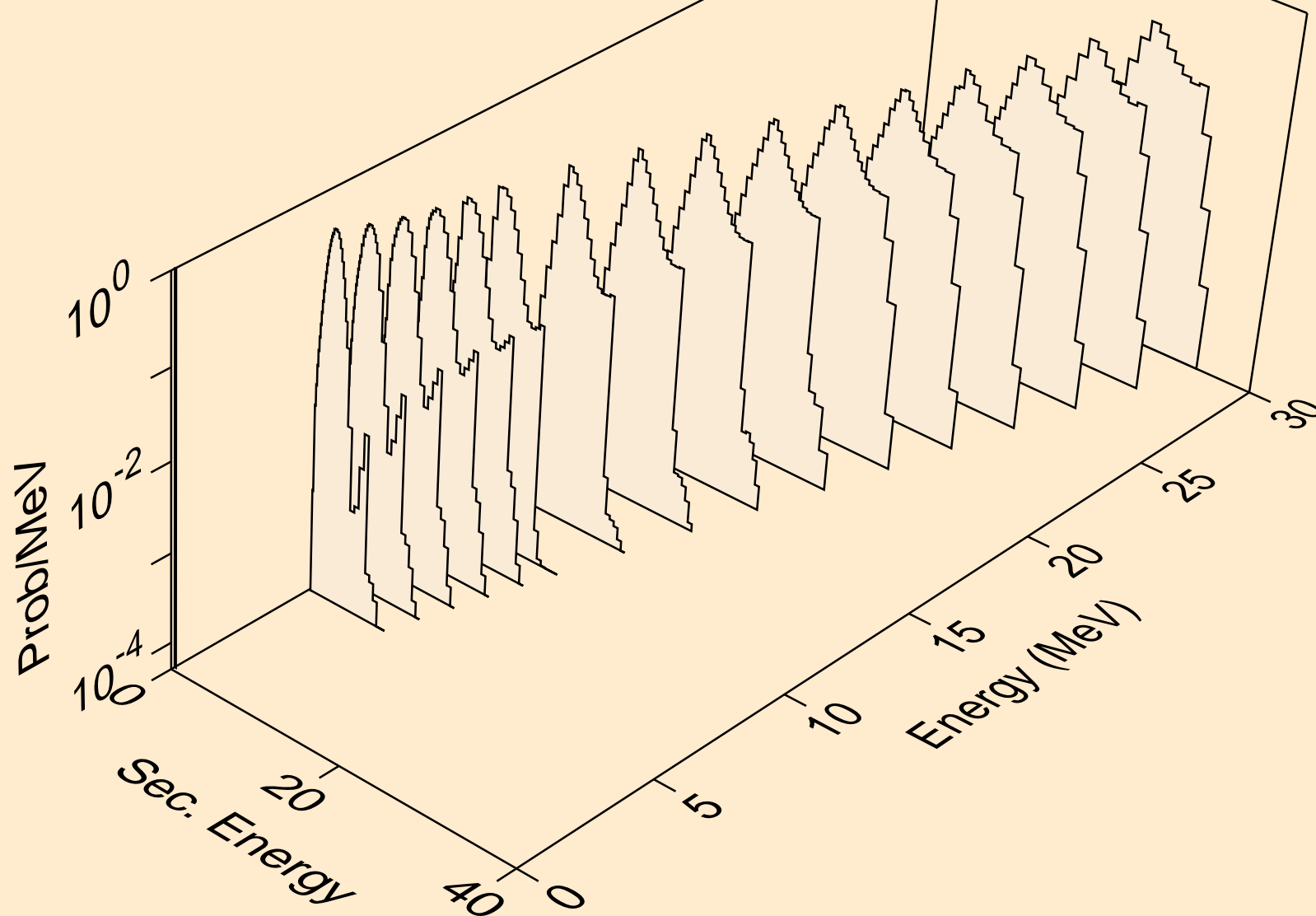
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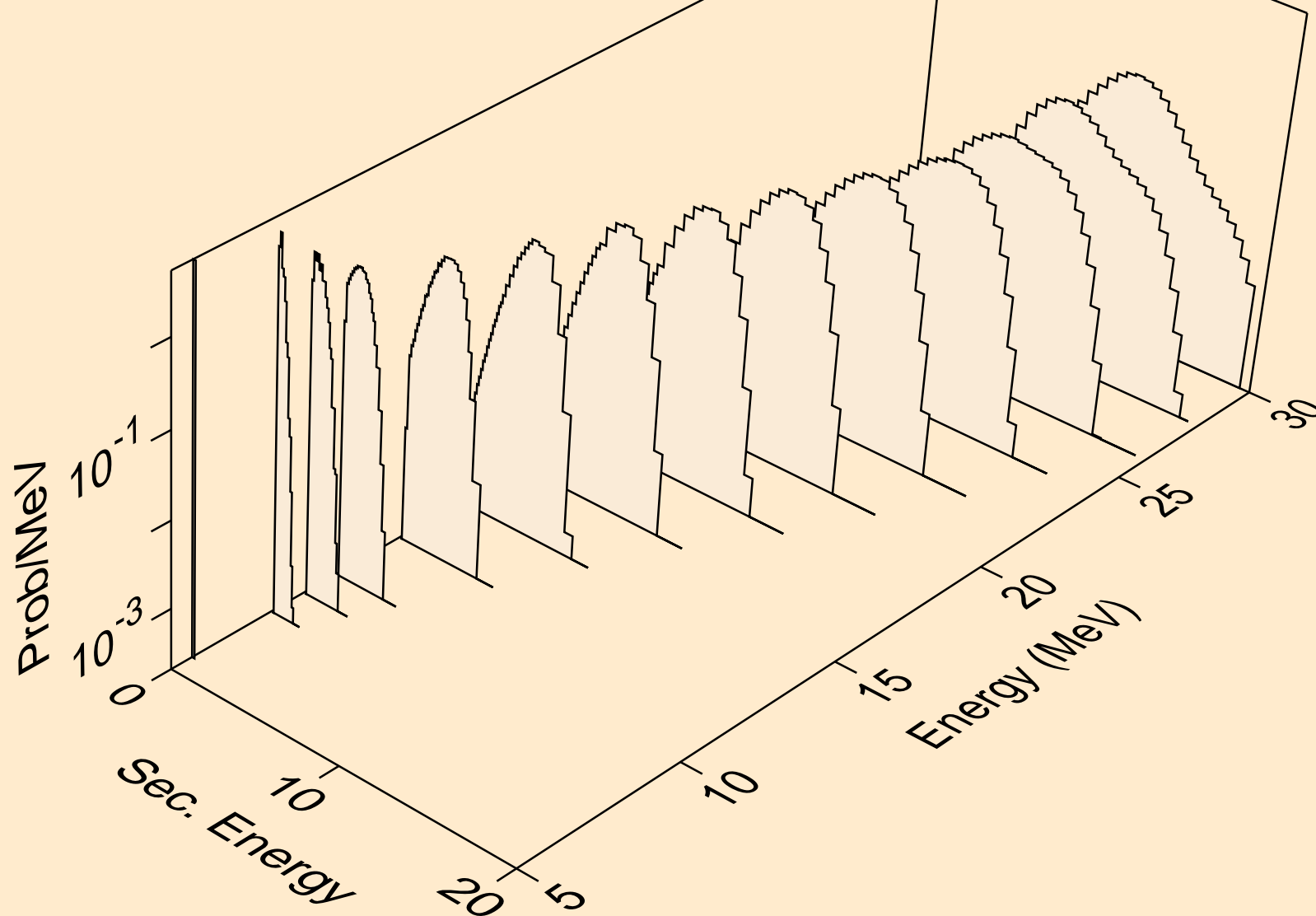
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,n\*)d



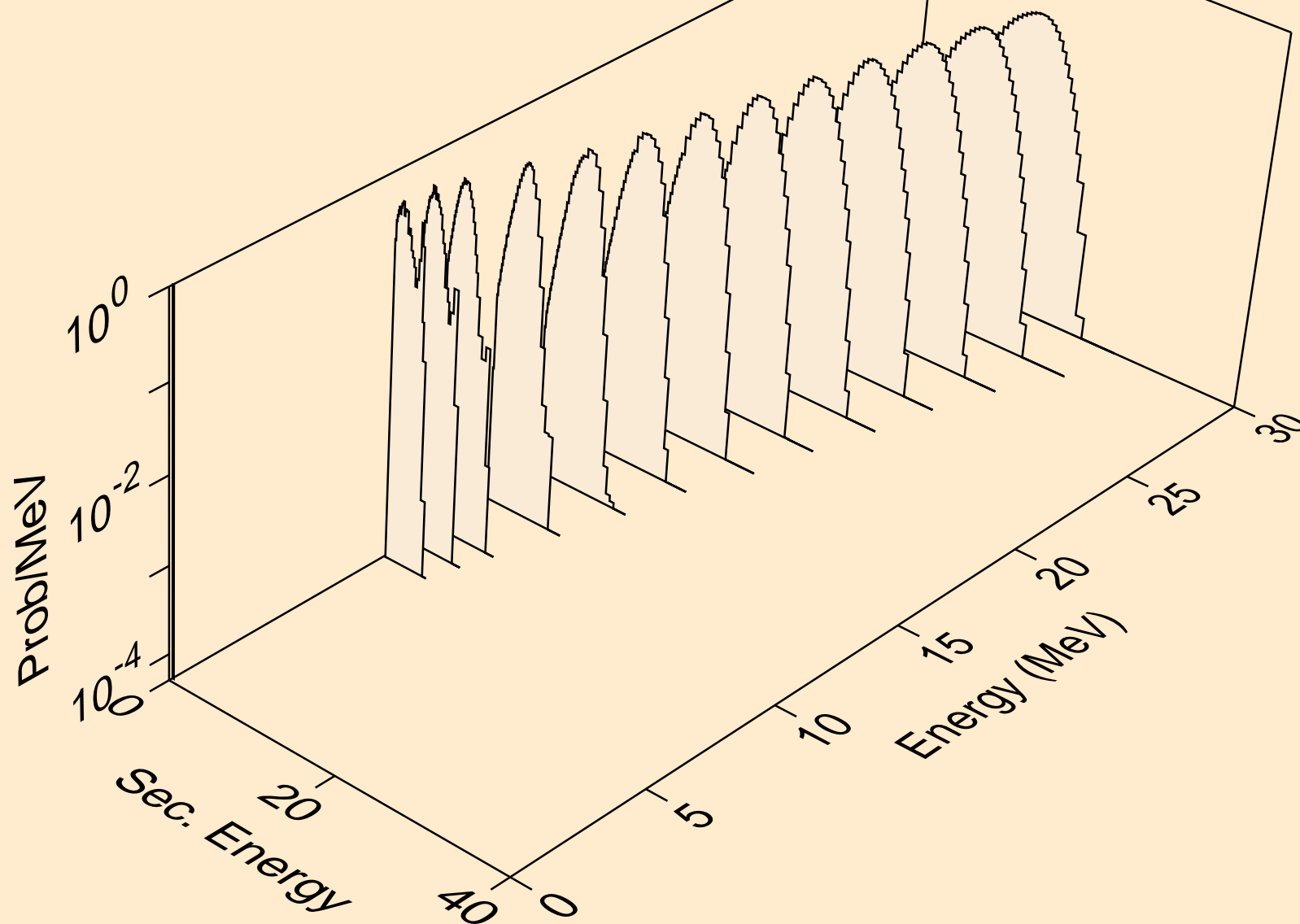
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deuterons from (s,d)



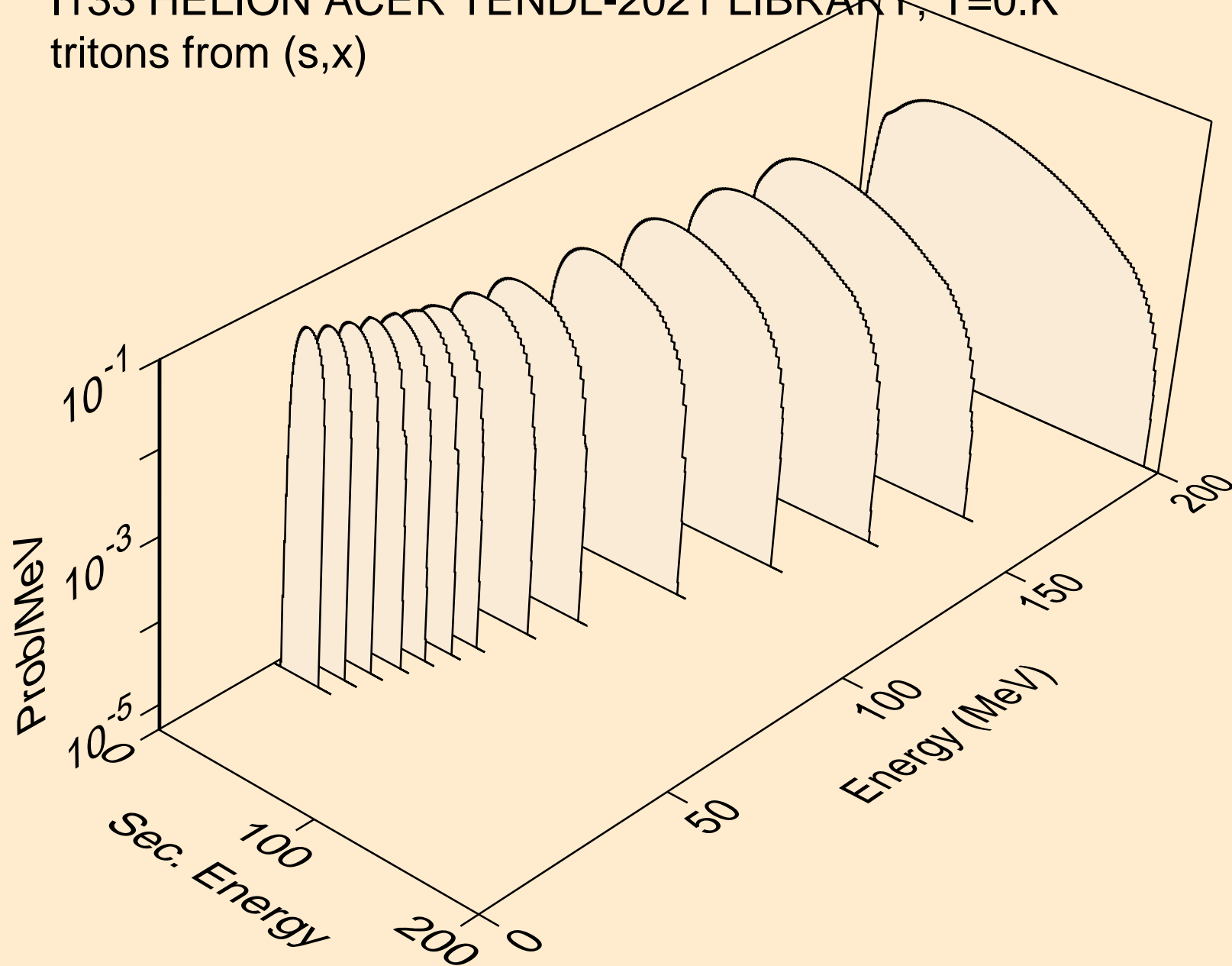
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deuterons from (s,pd)



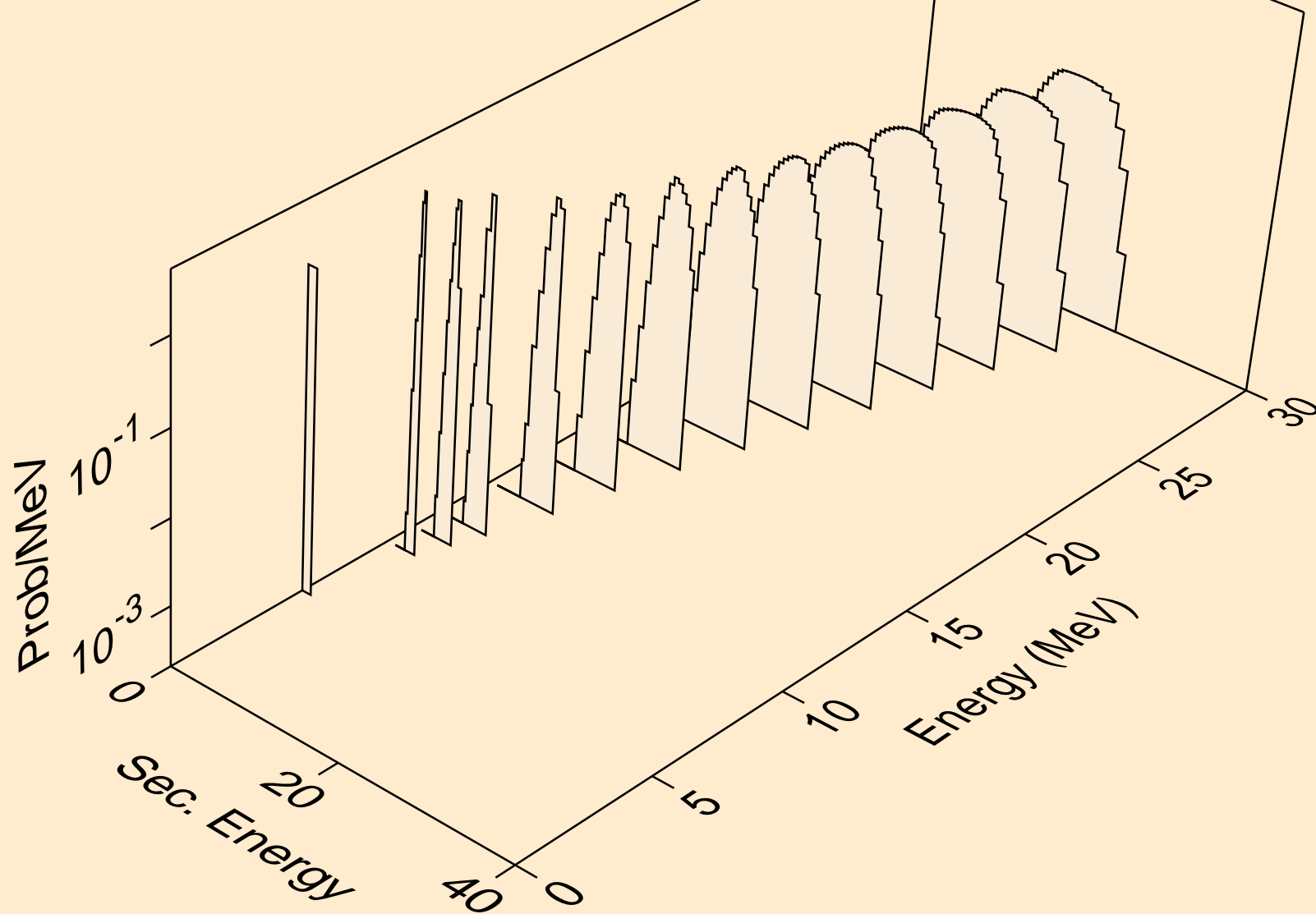
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (s,da)



I133 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,x)

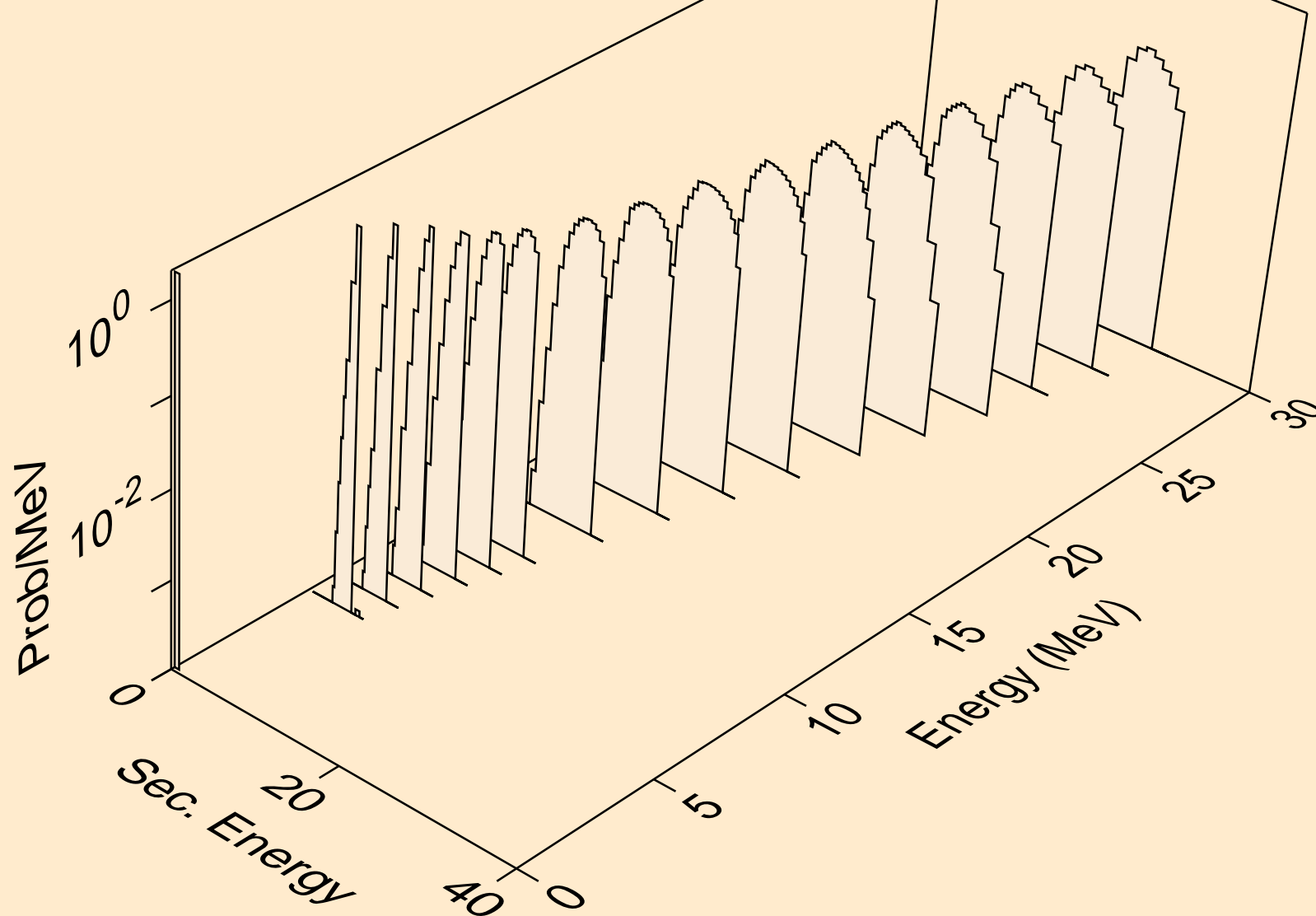


I133 HELION ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (s,n\*)t

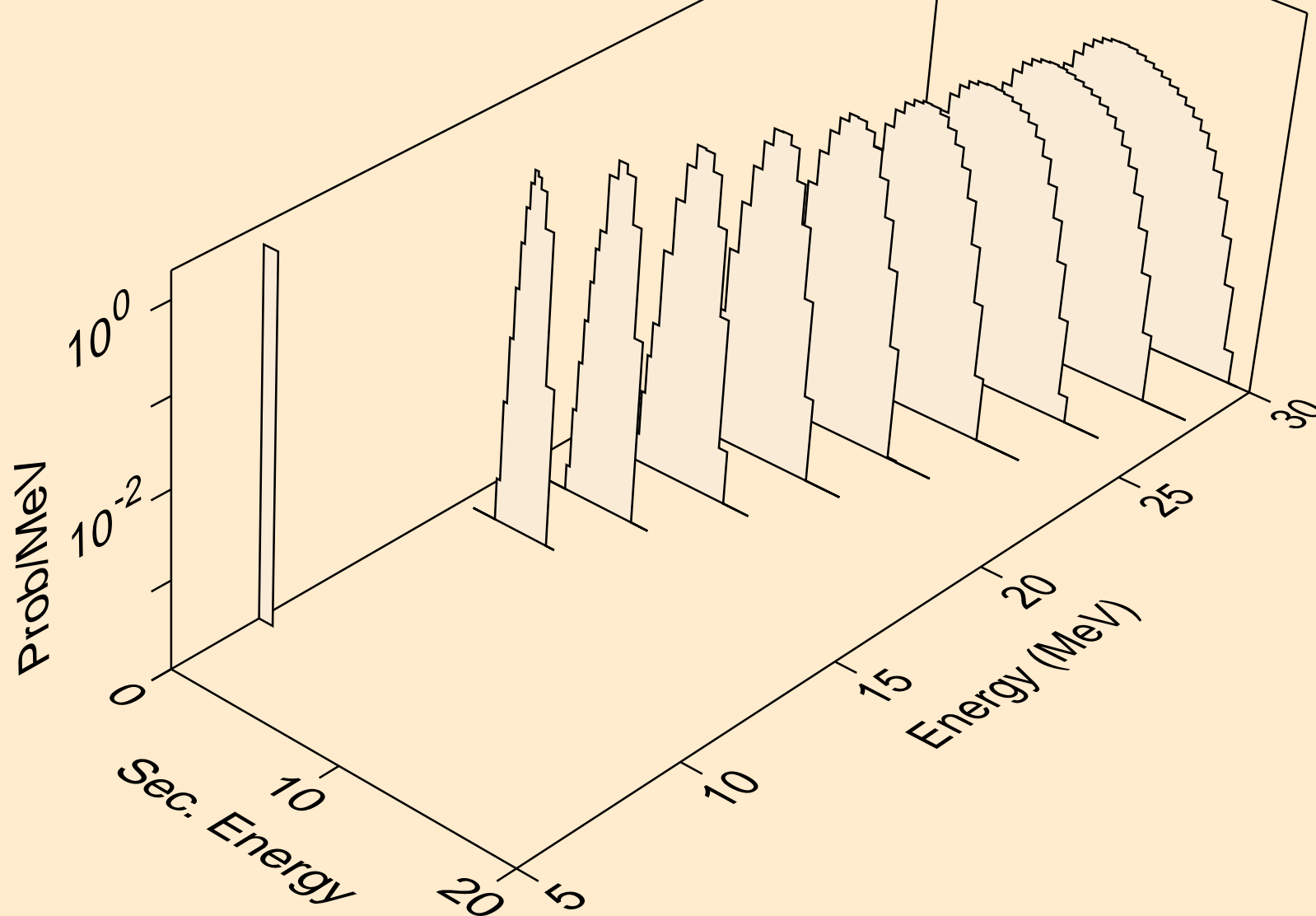


I133 HELION ACER TENDL-2021 LIBRARY; T=0.K

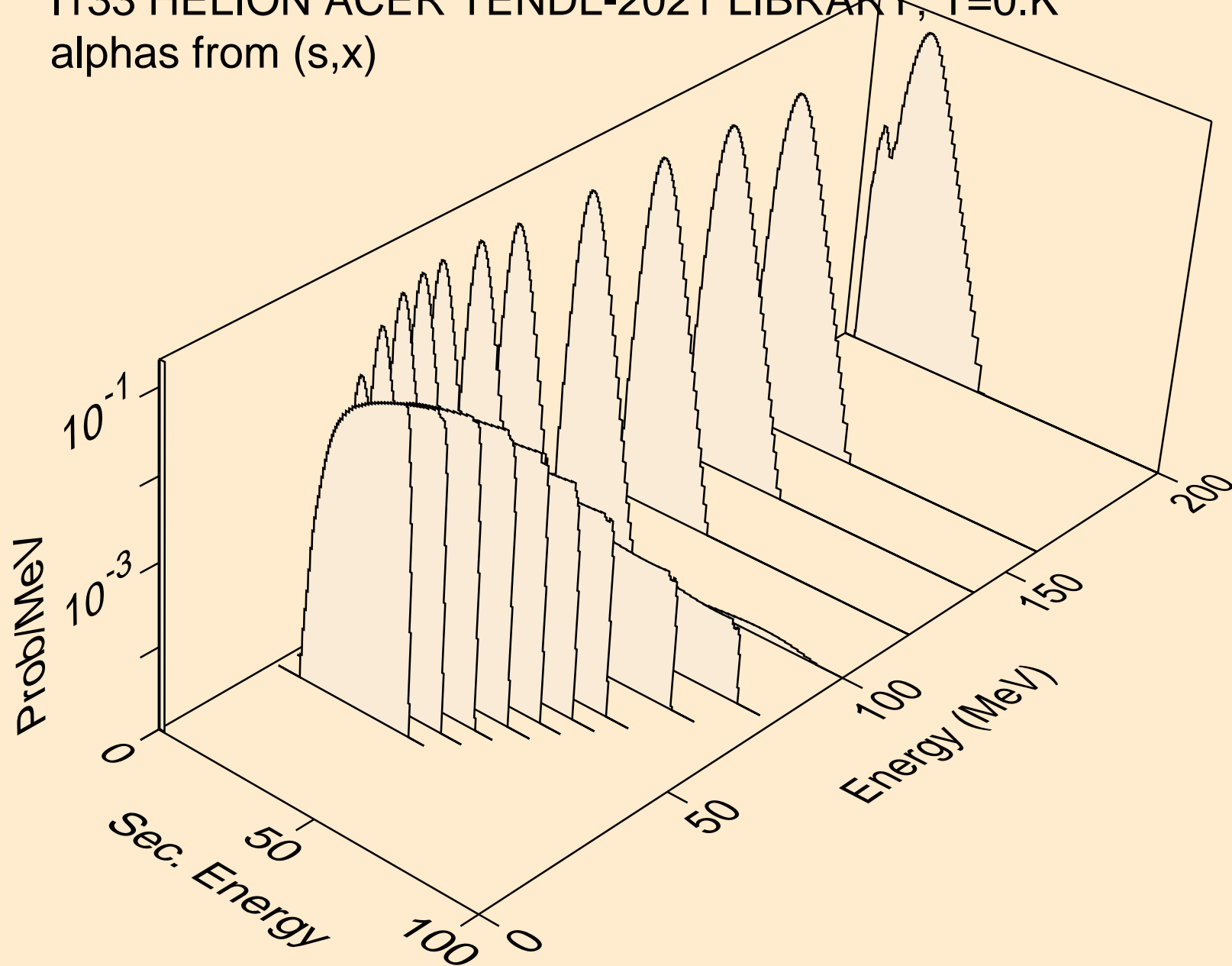
tritons from (s,t)



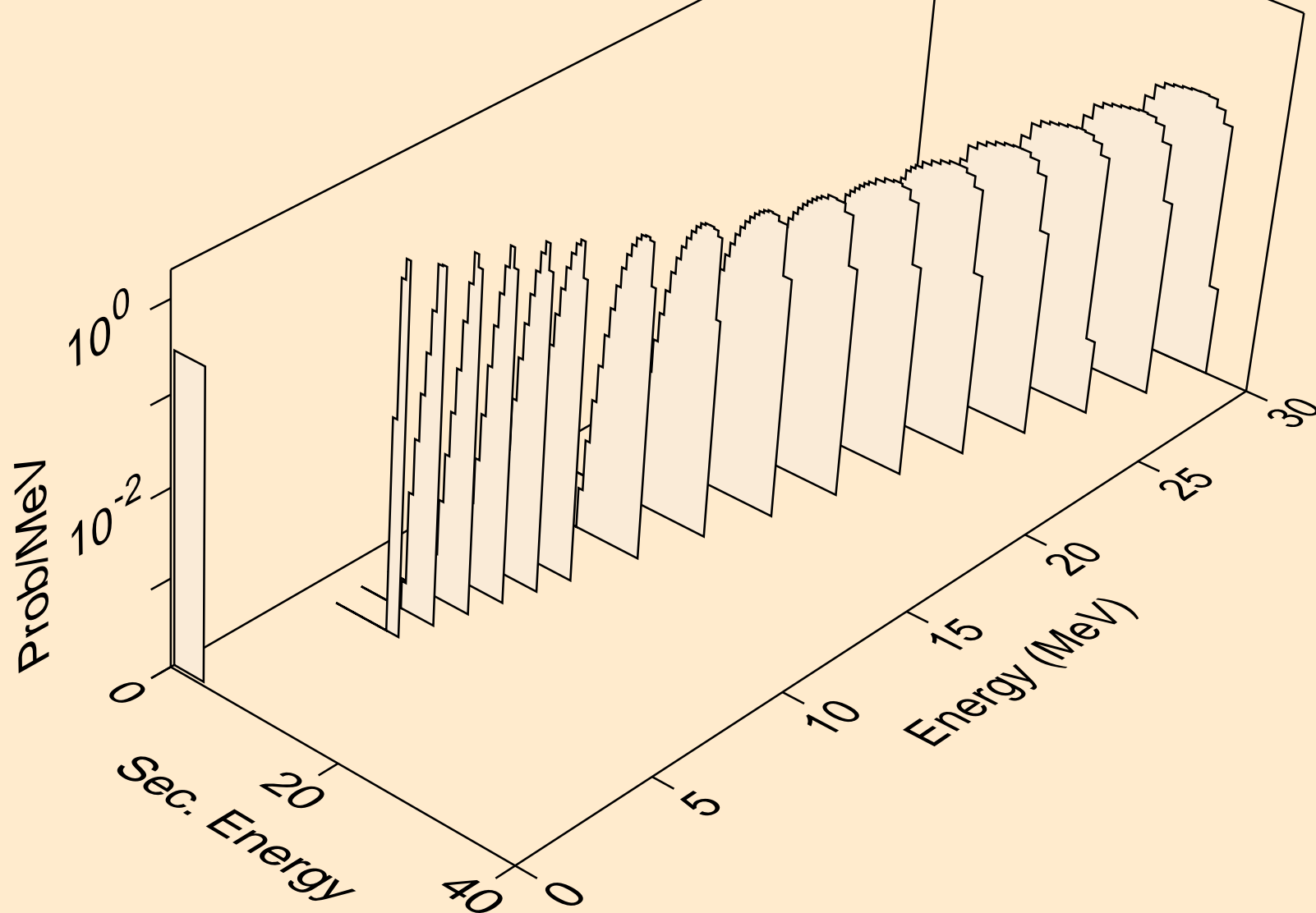
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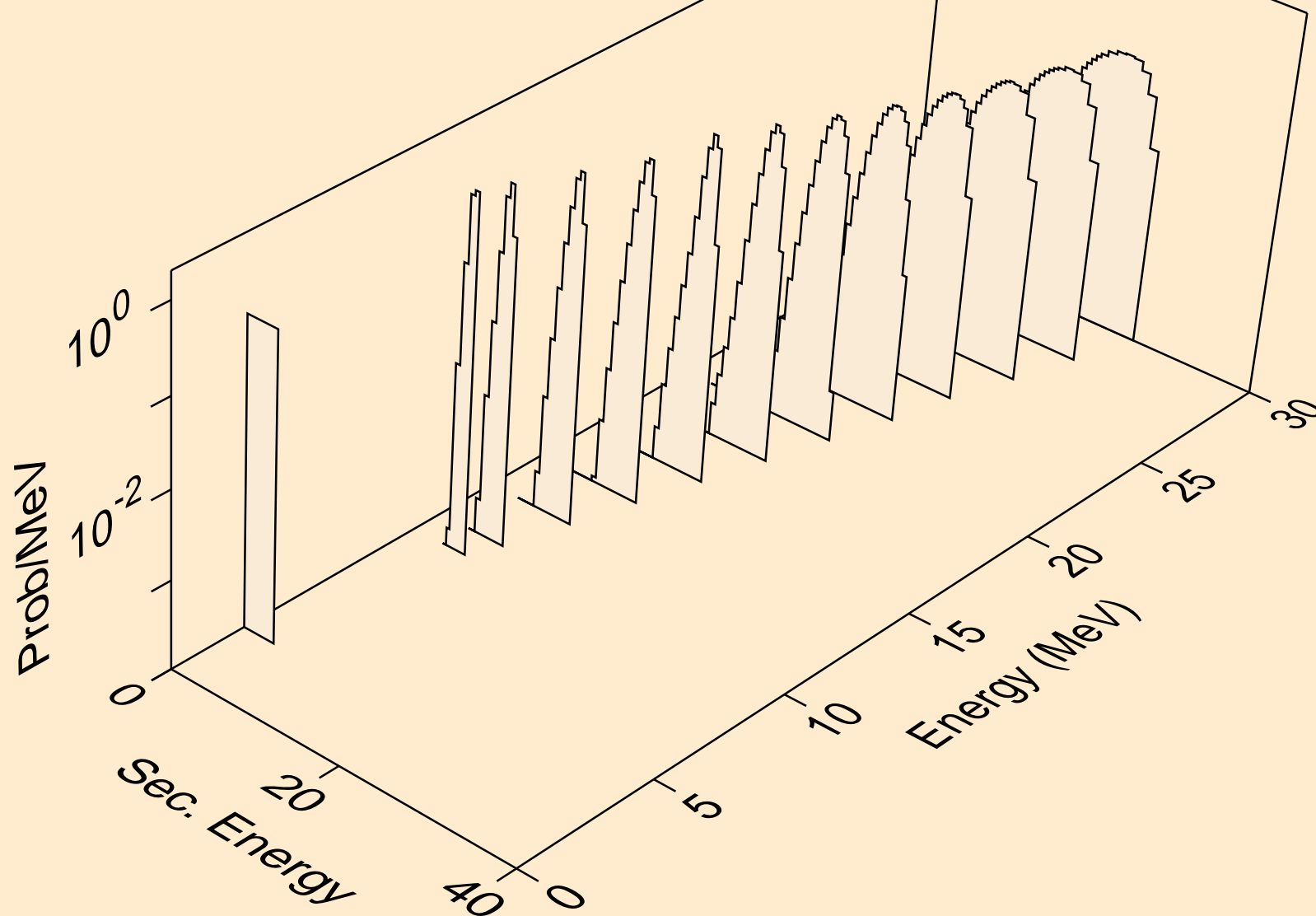
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,x)



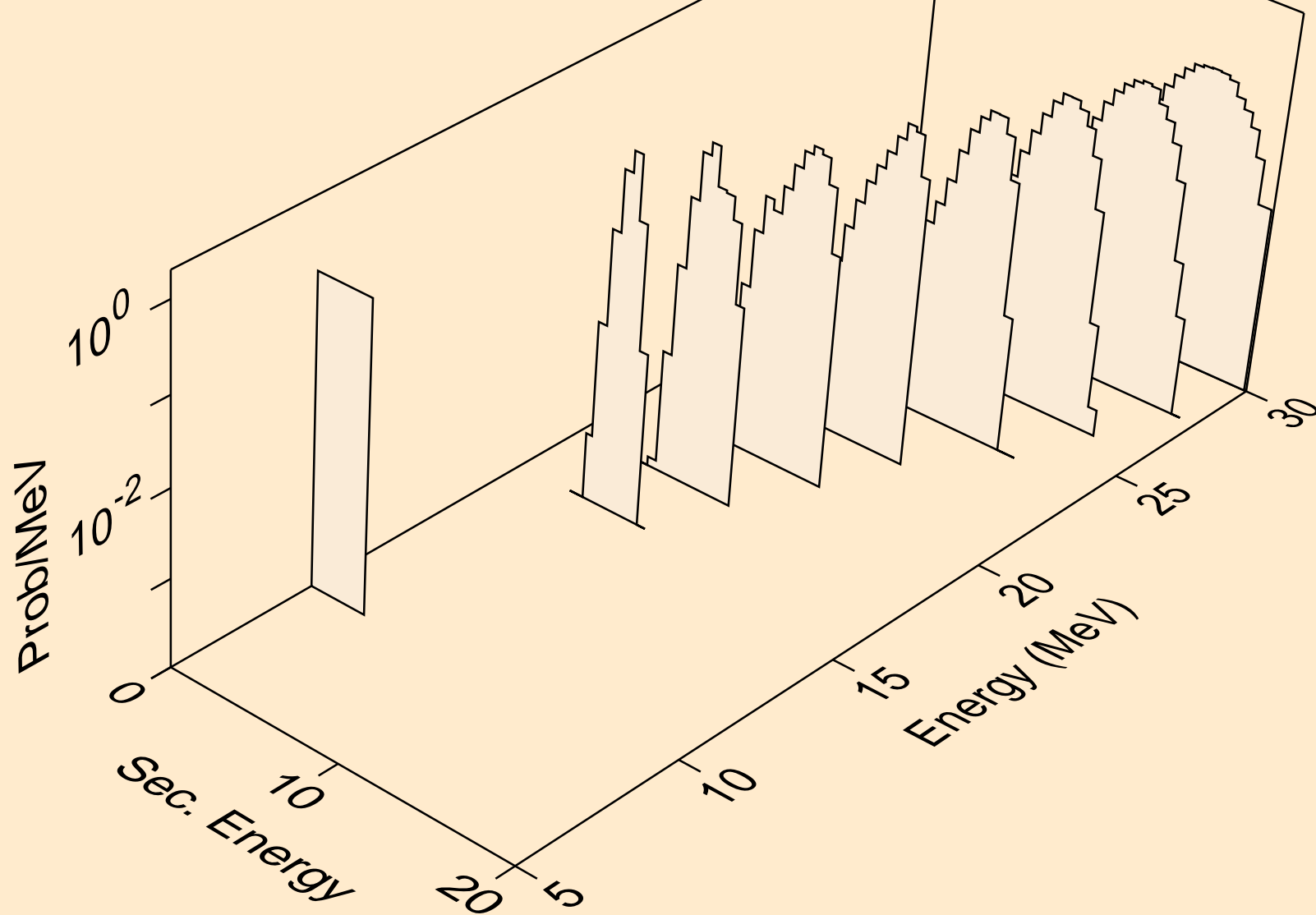
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,n\*)a



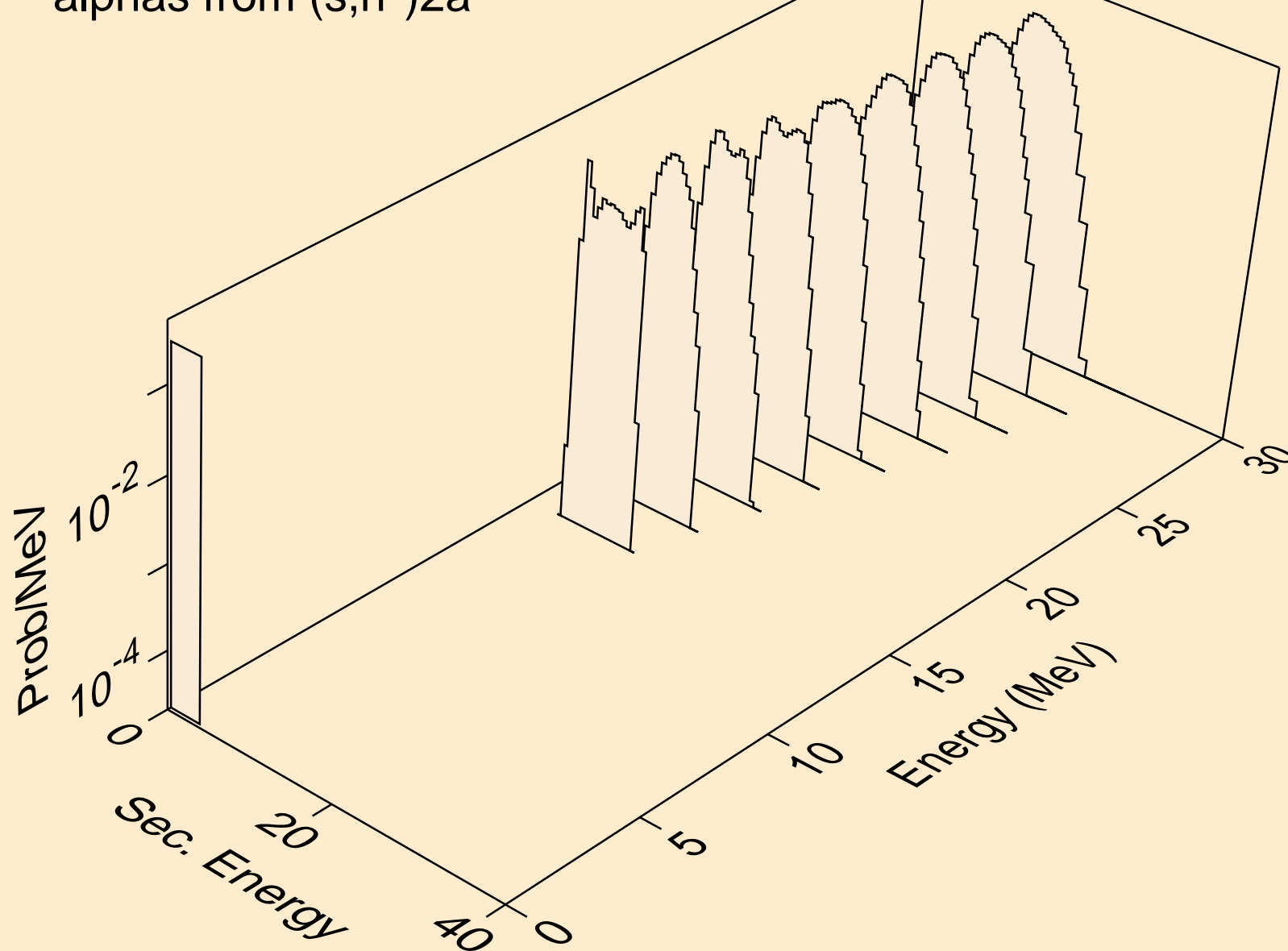
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alphas from (s,2n)a



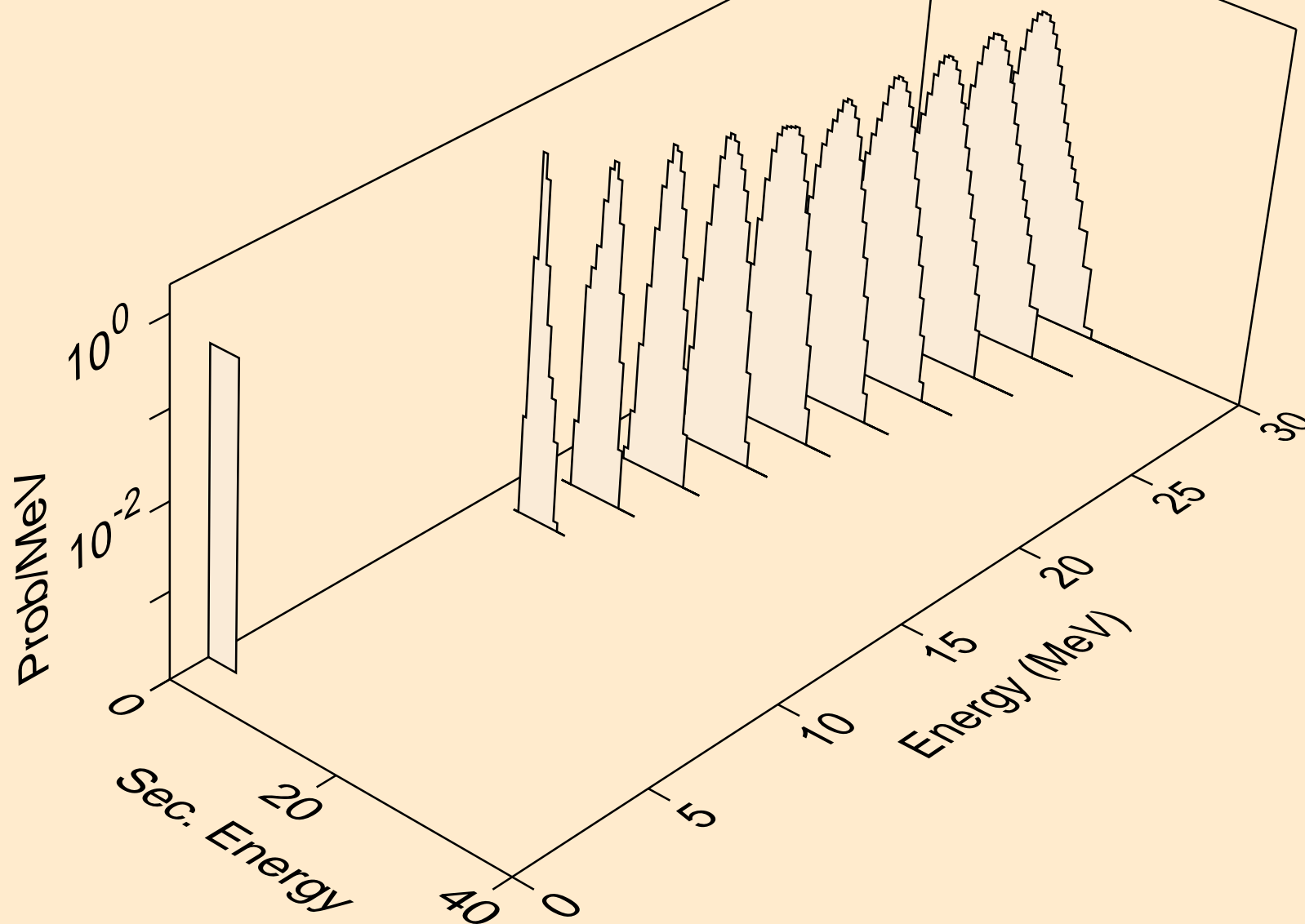
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alphas from (s,3n)a



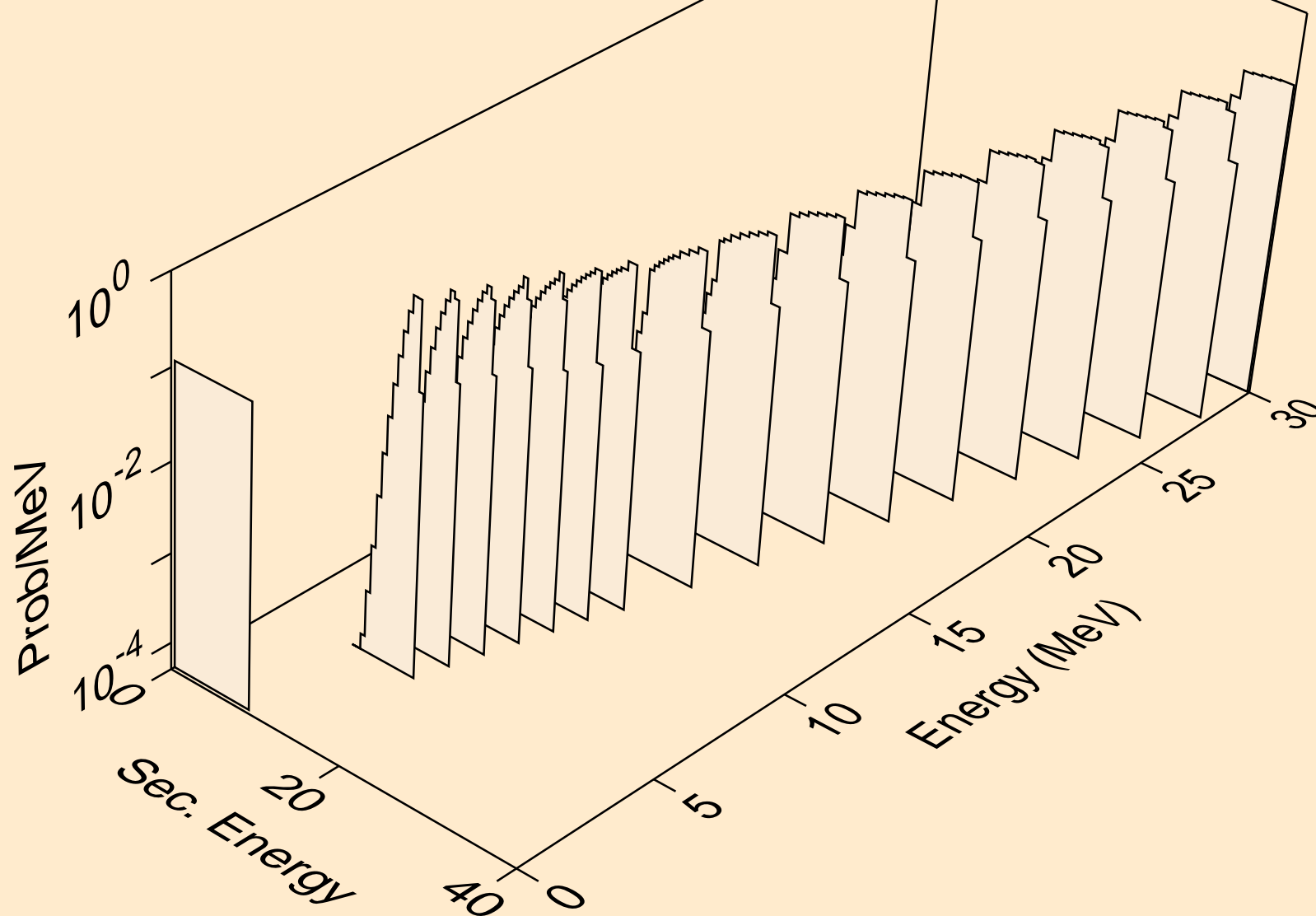
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,n\*)2a



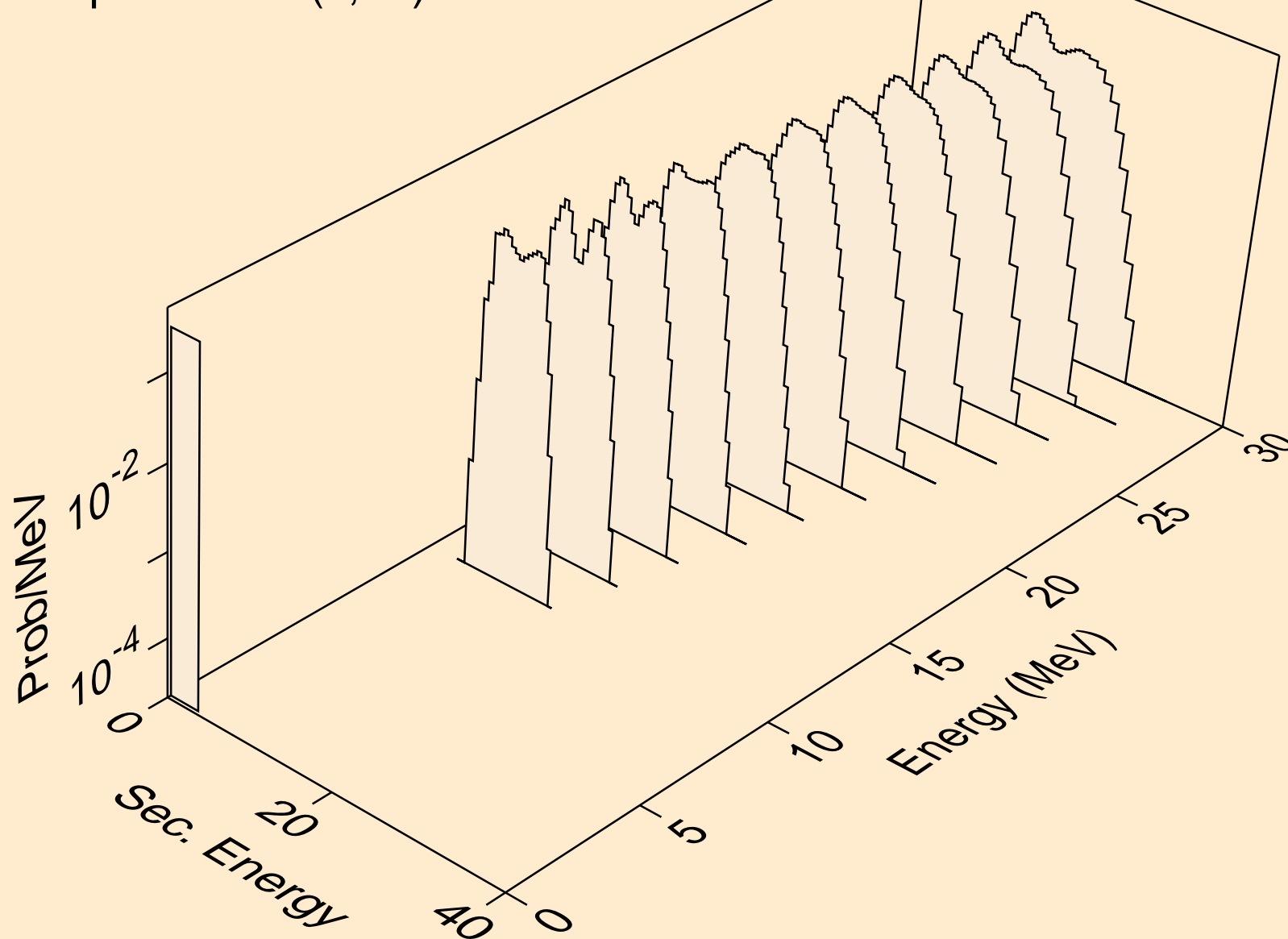
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,npa)



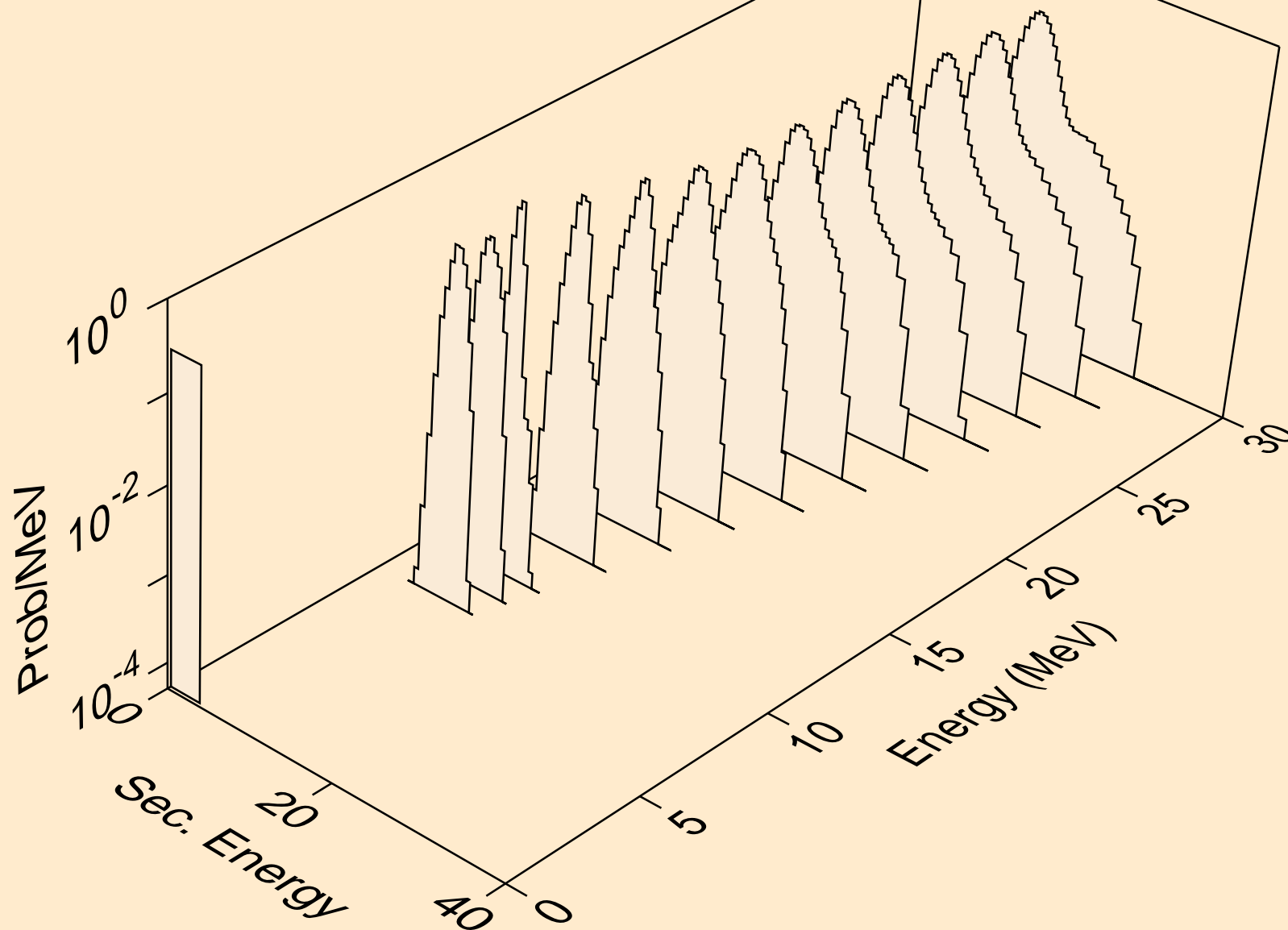
I133 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,a)



I133 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,2a)



I133 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,pa)



I133 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,da)

