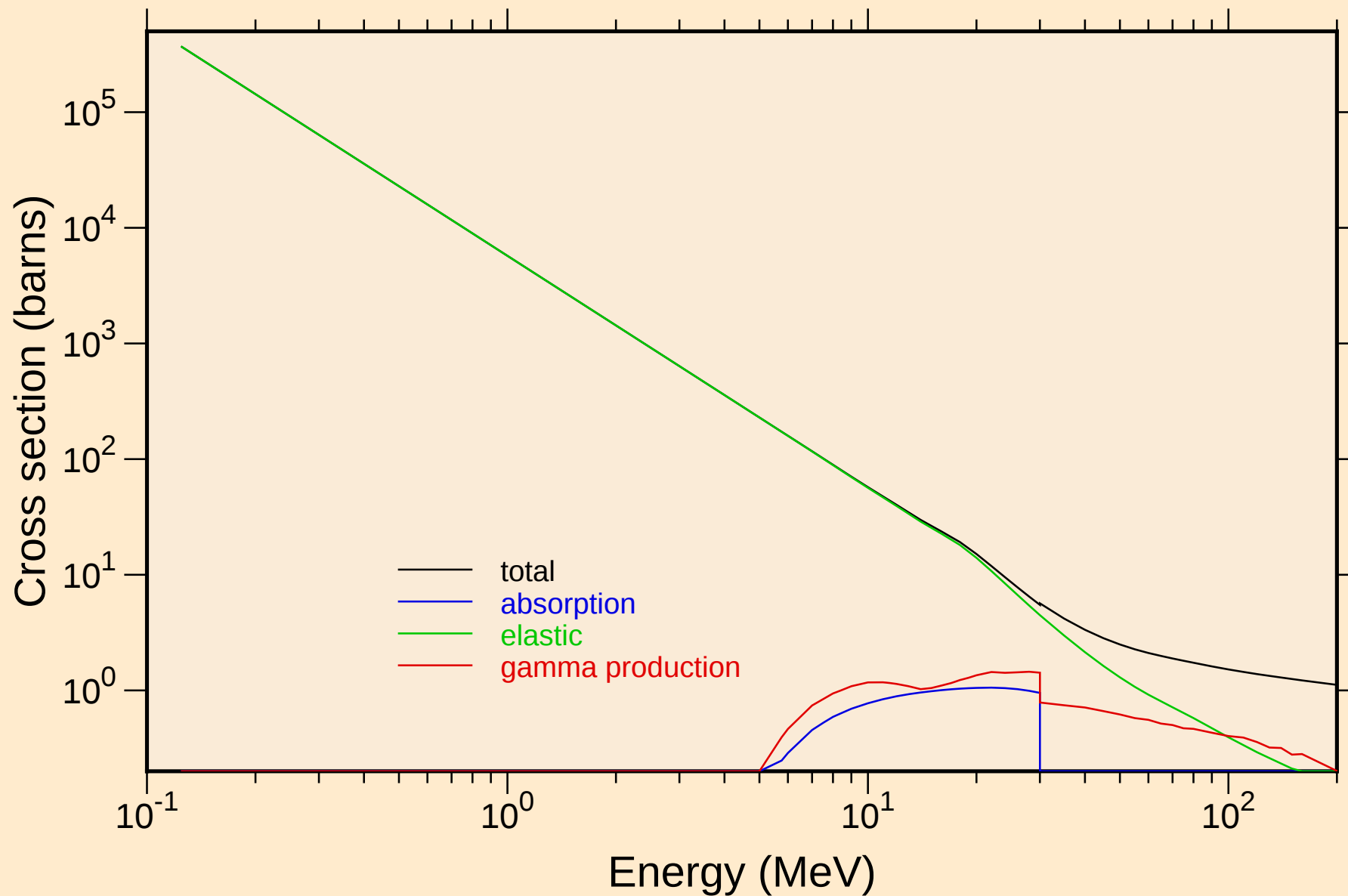


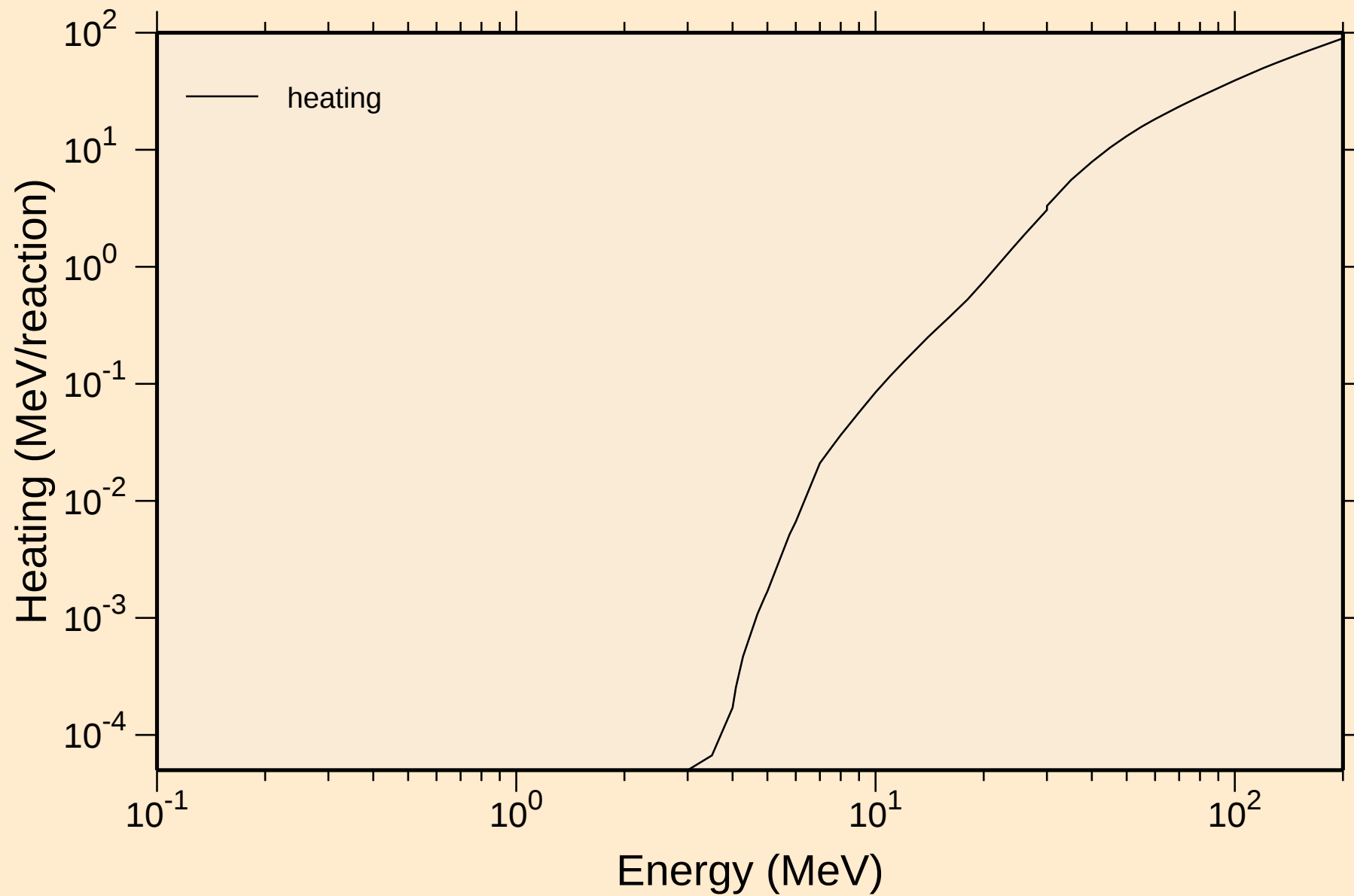
# SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



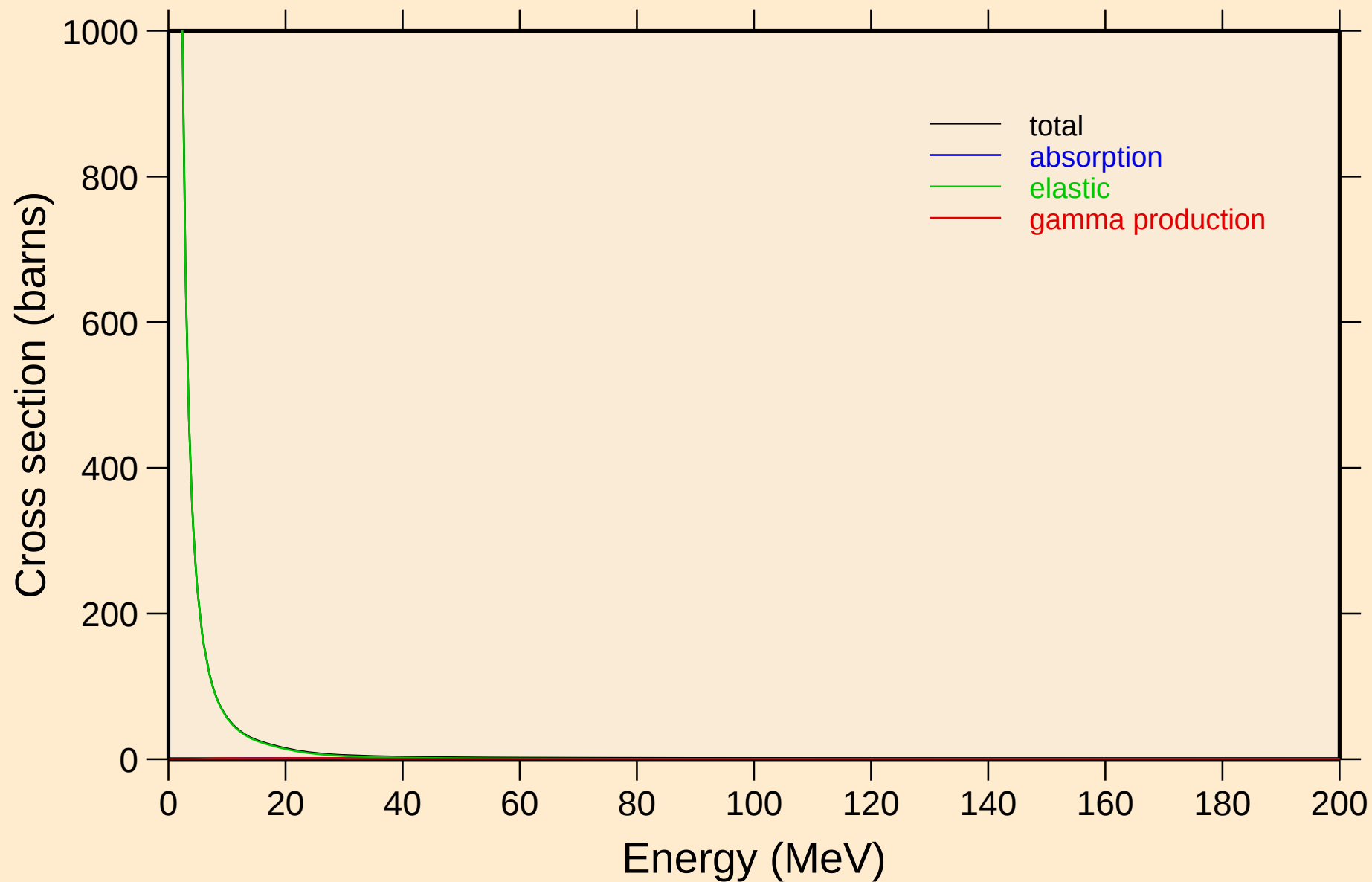
SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K

Heating



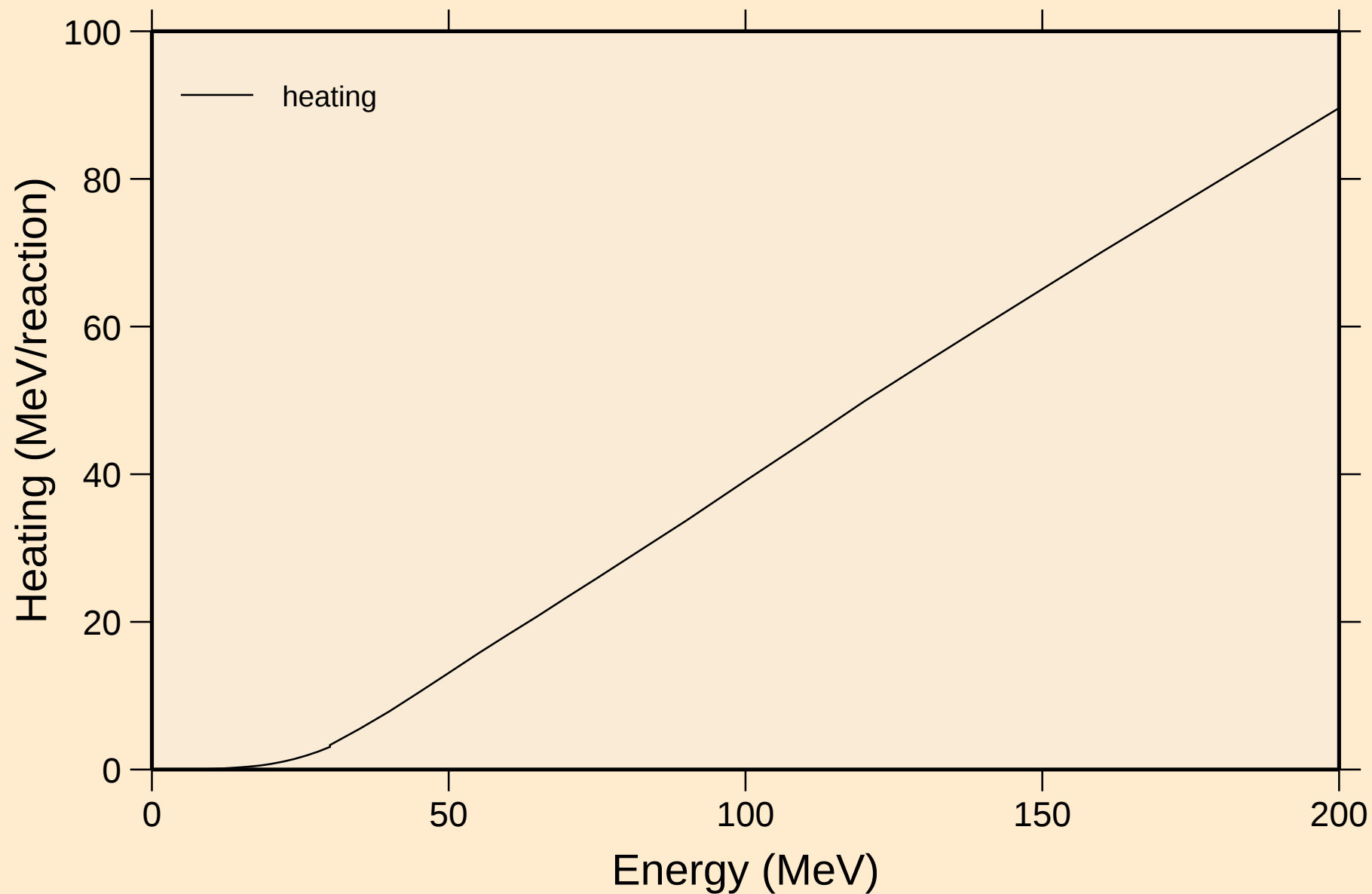
# SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



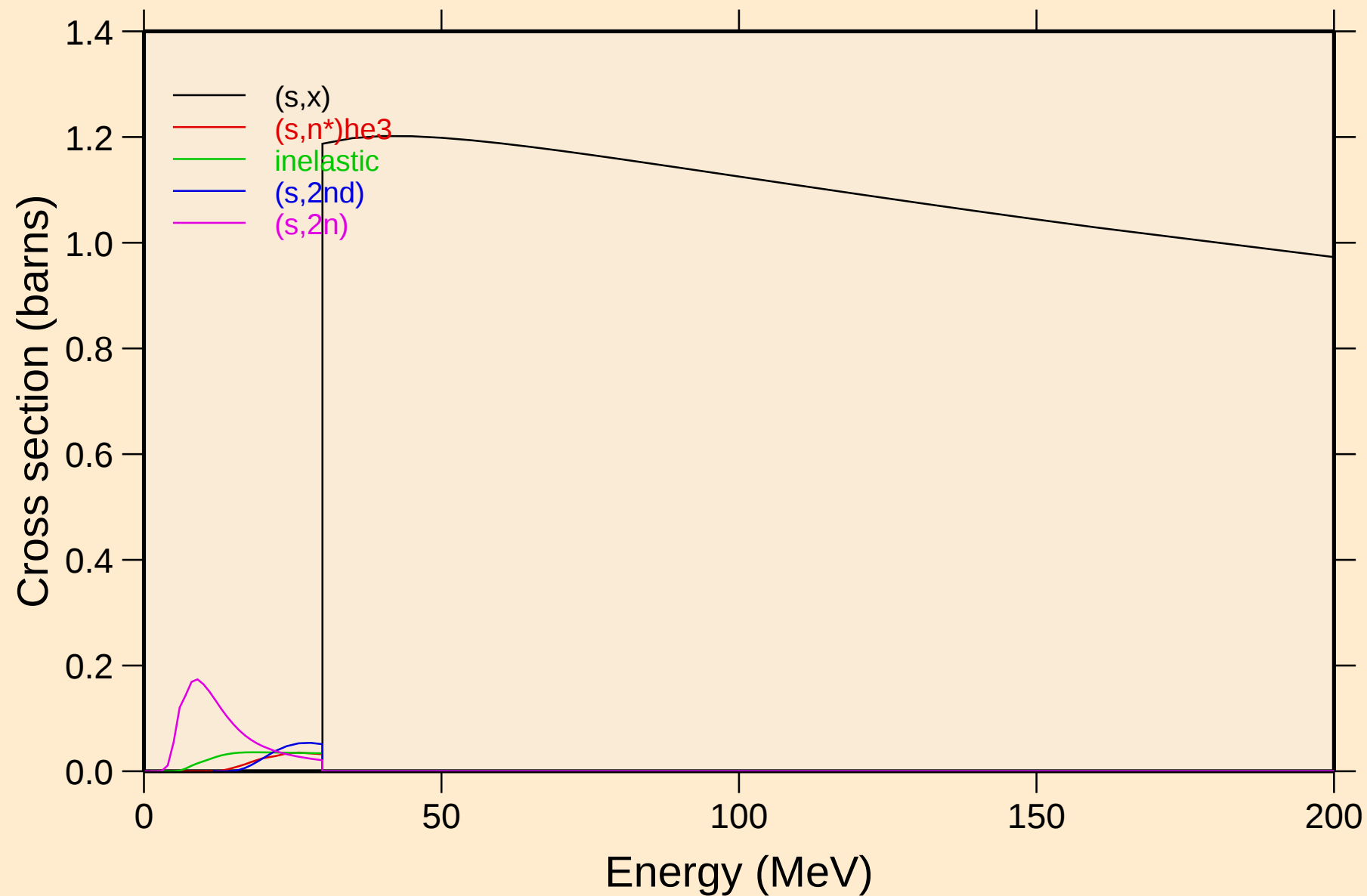
SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K

Heating

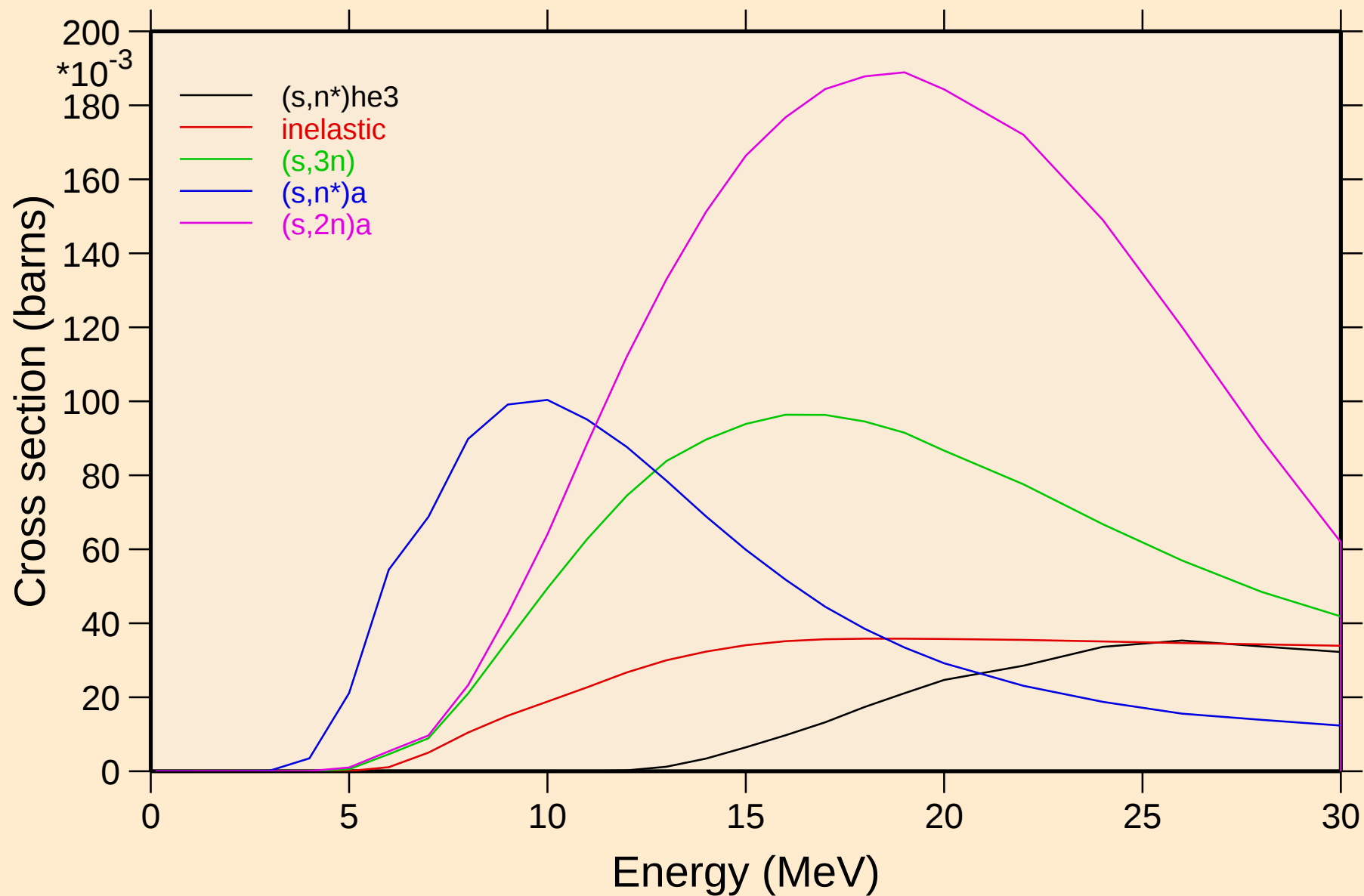


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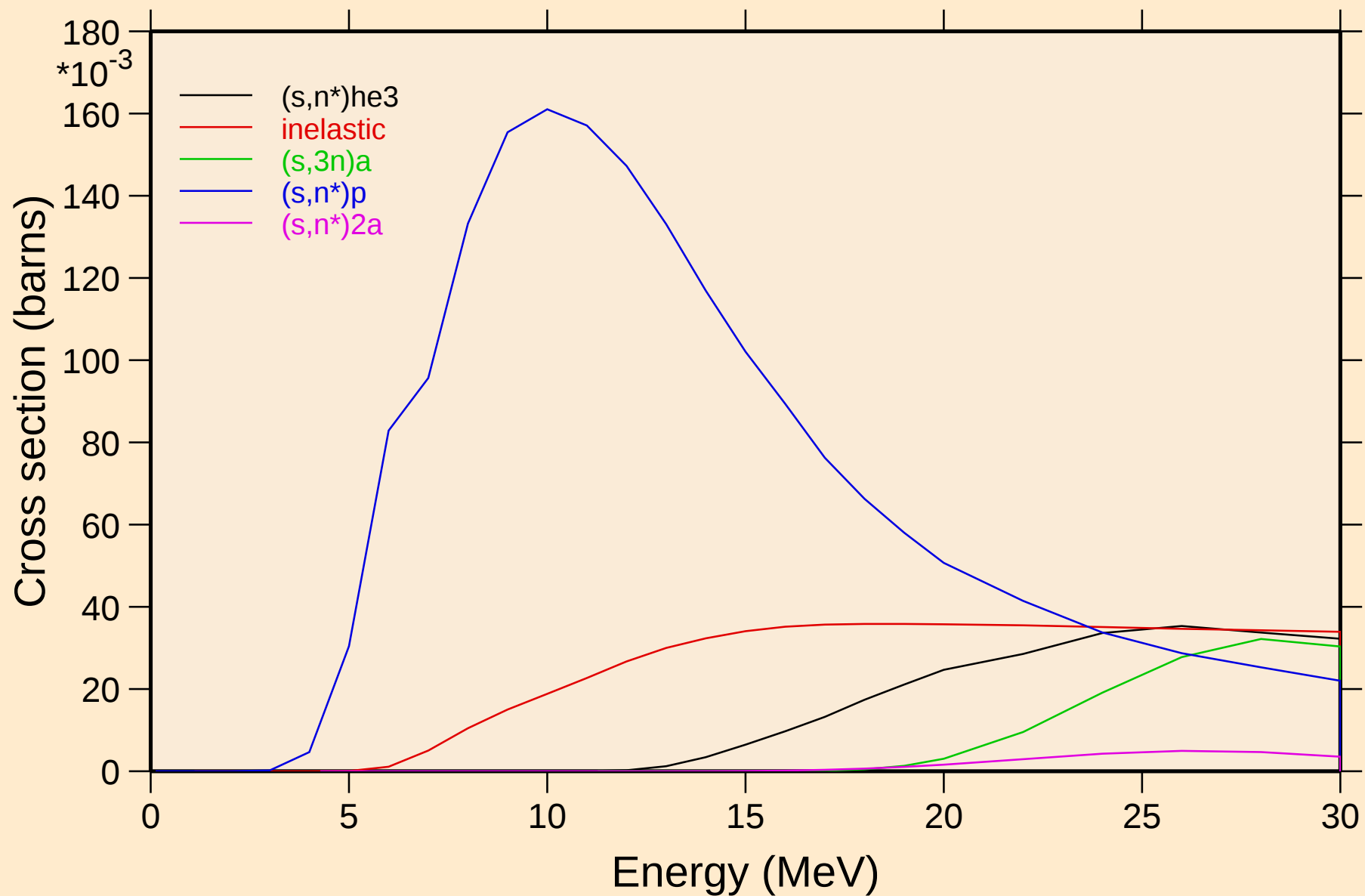
## Threshold reactions



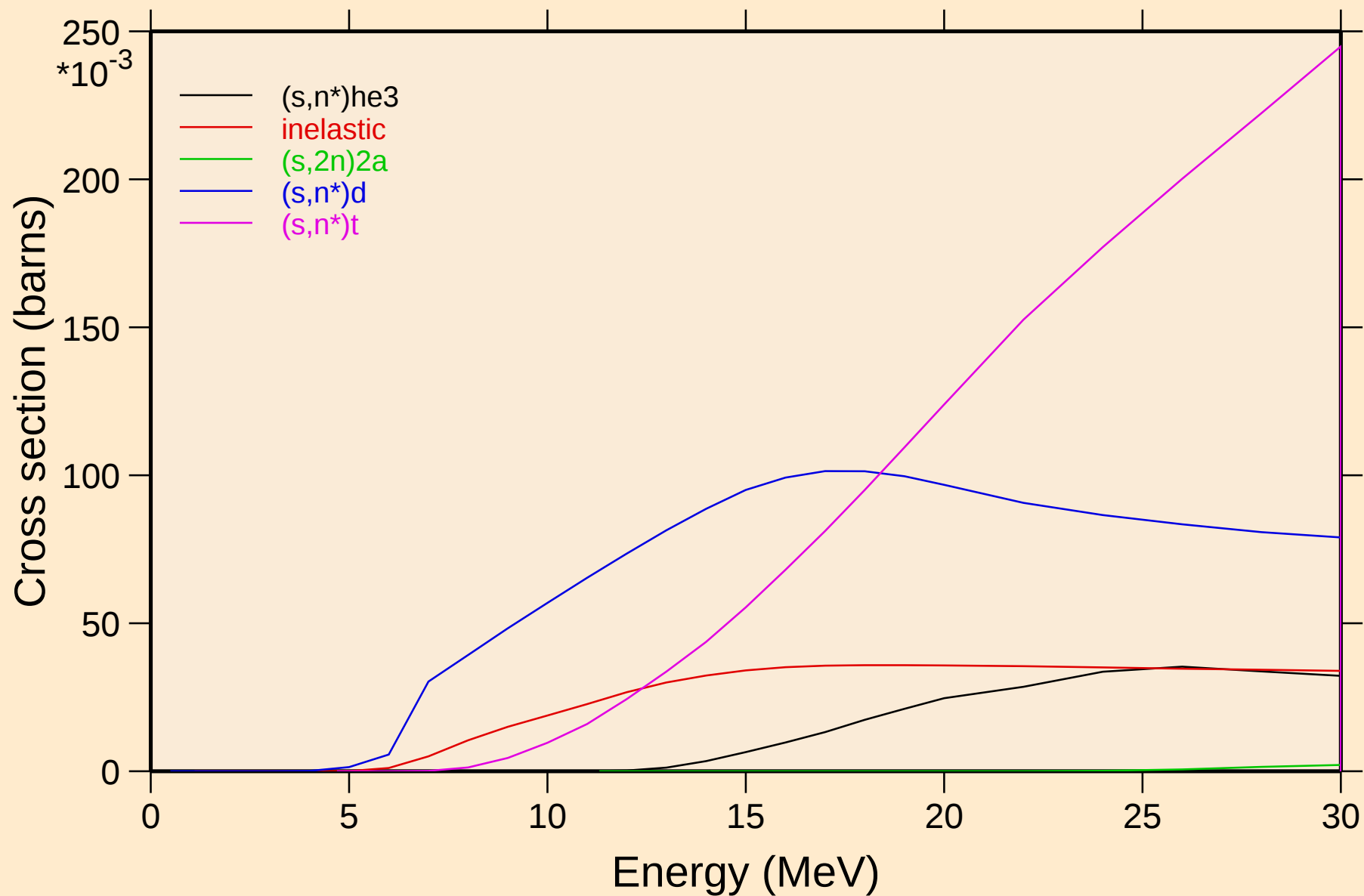
SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



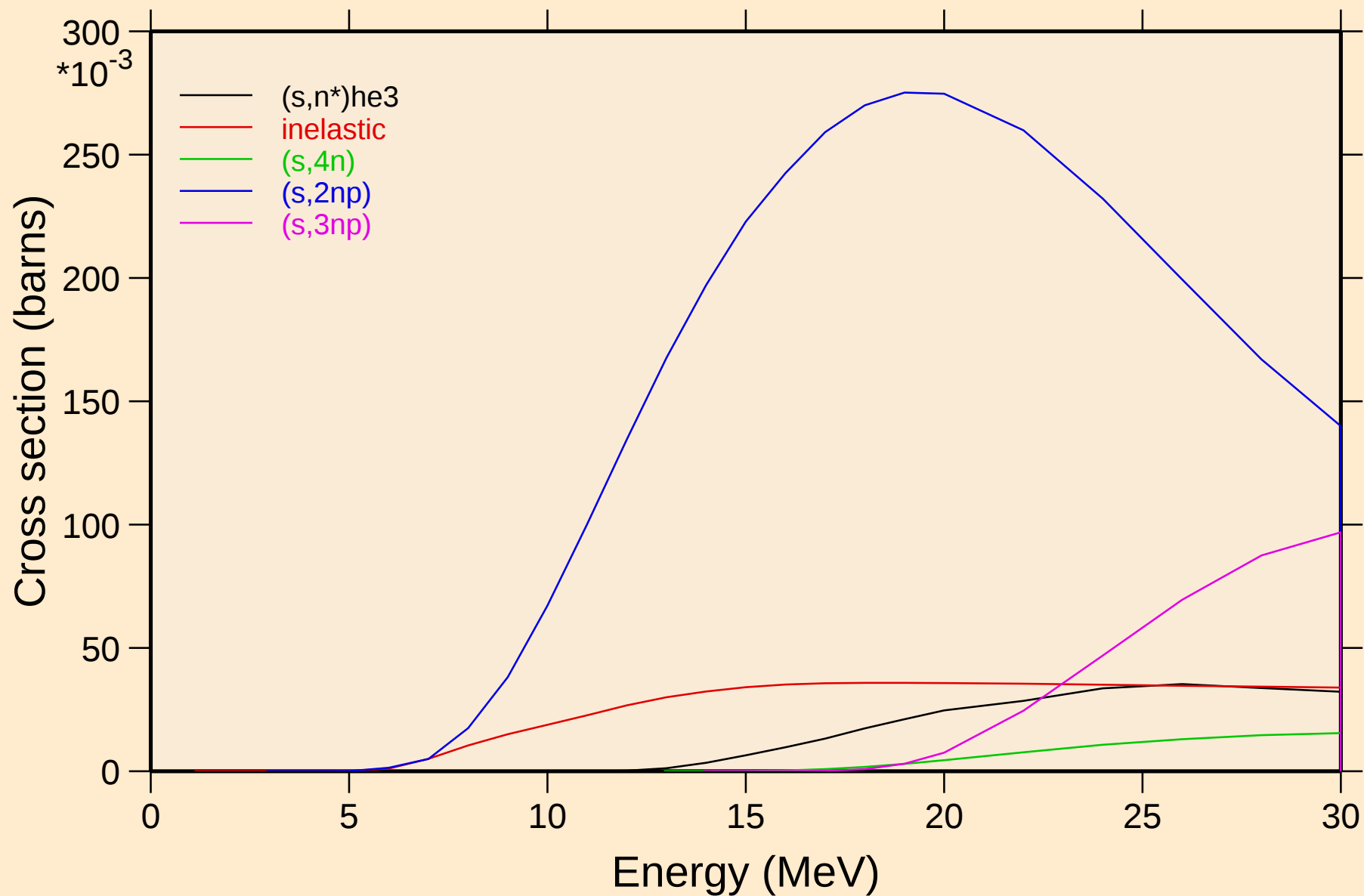
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Threshold reactions



SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

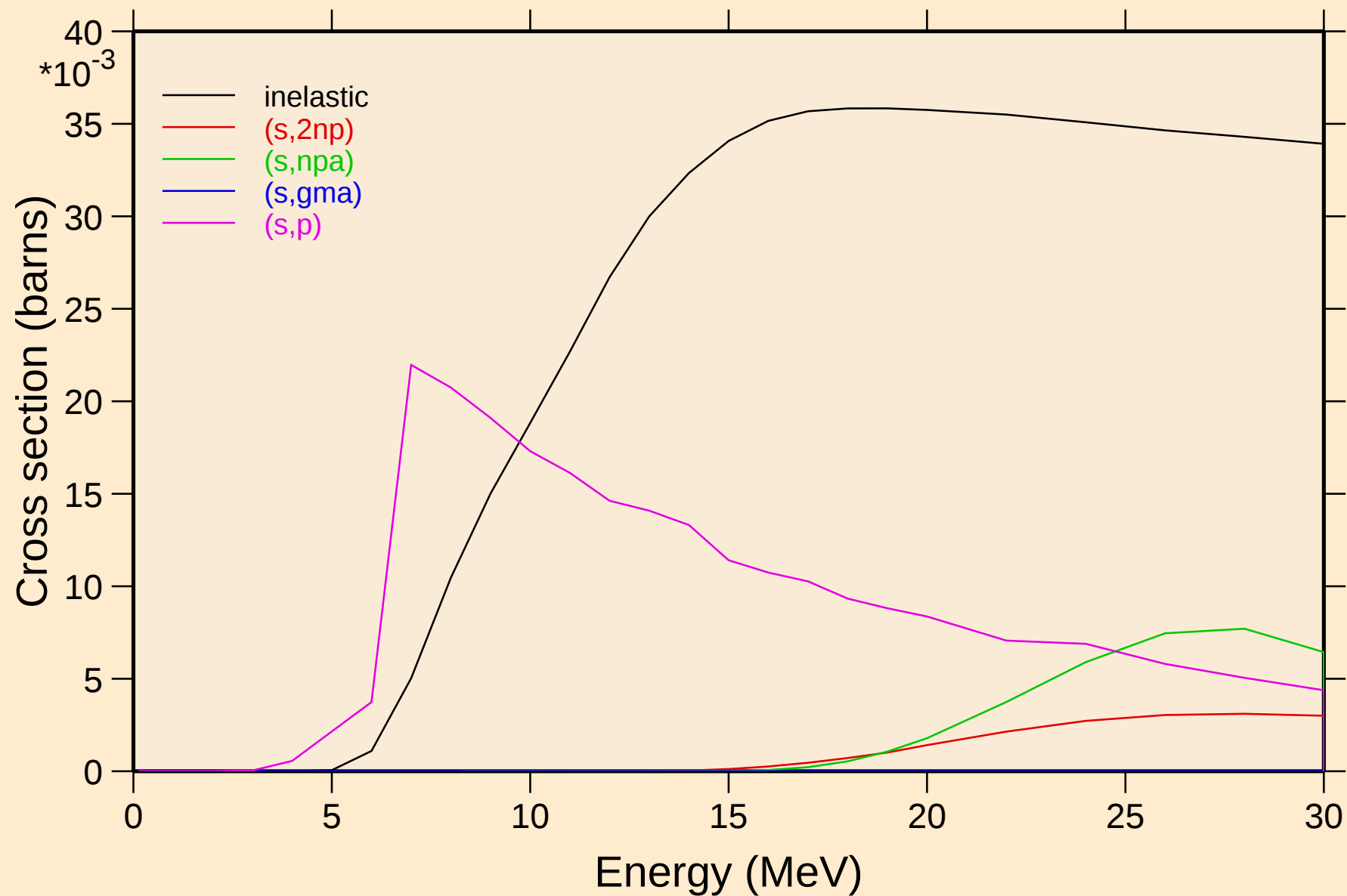


SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

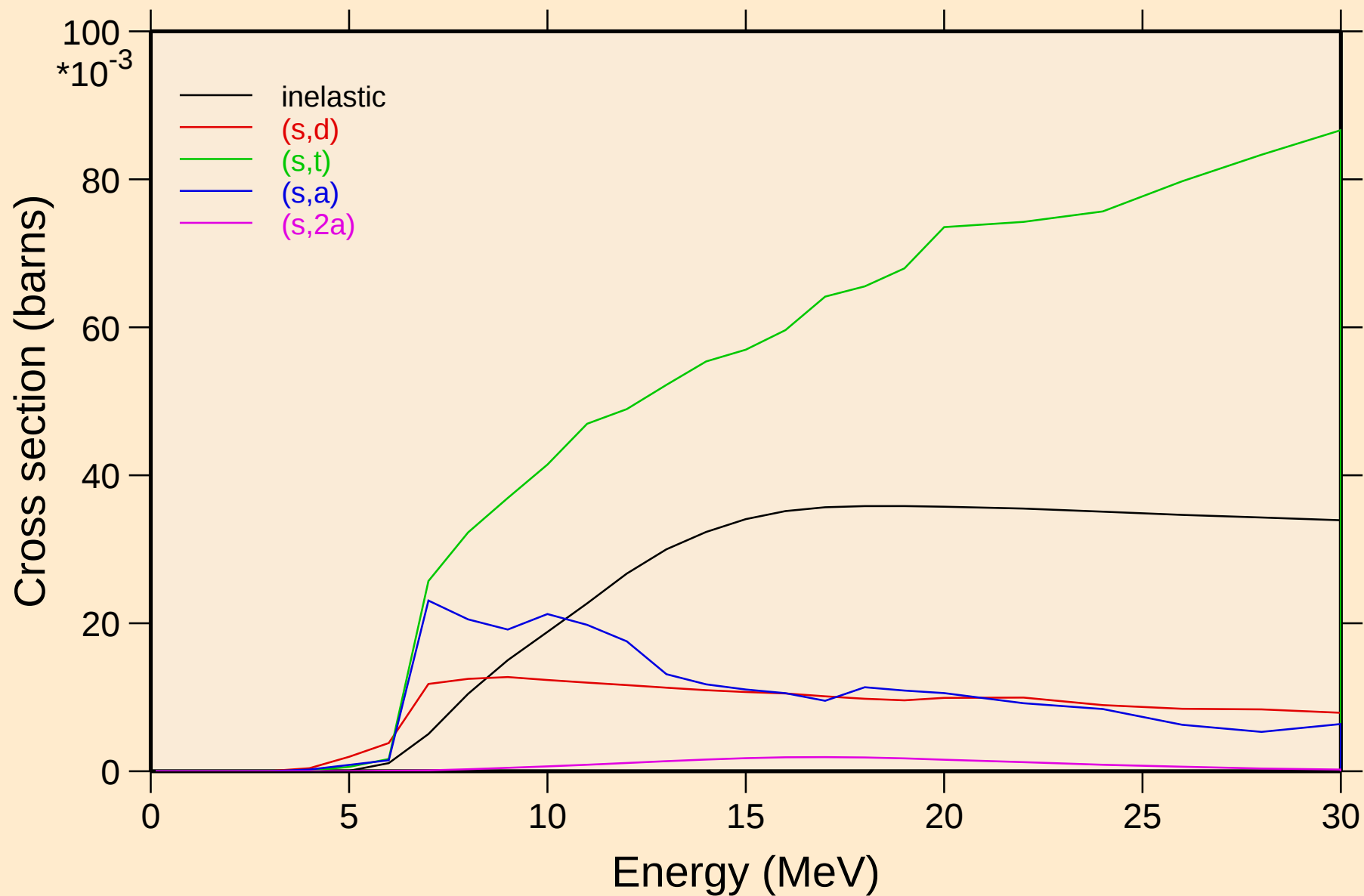


# SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K

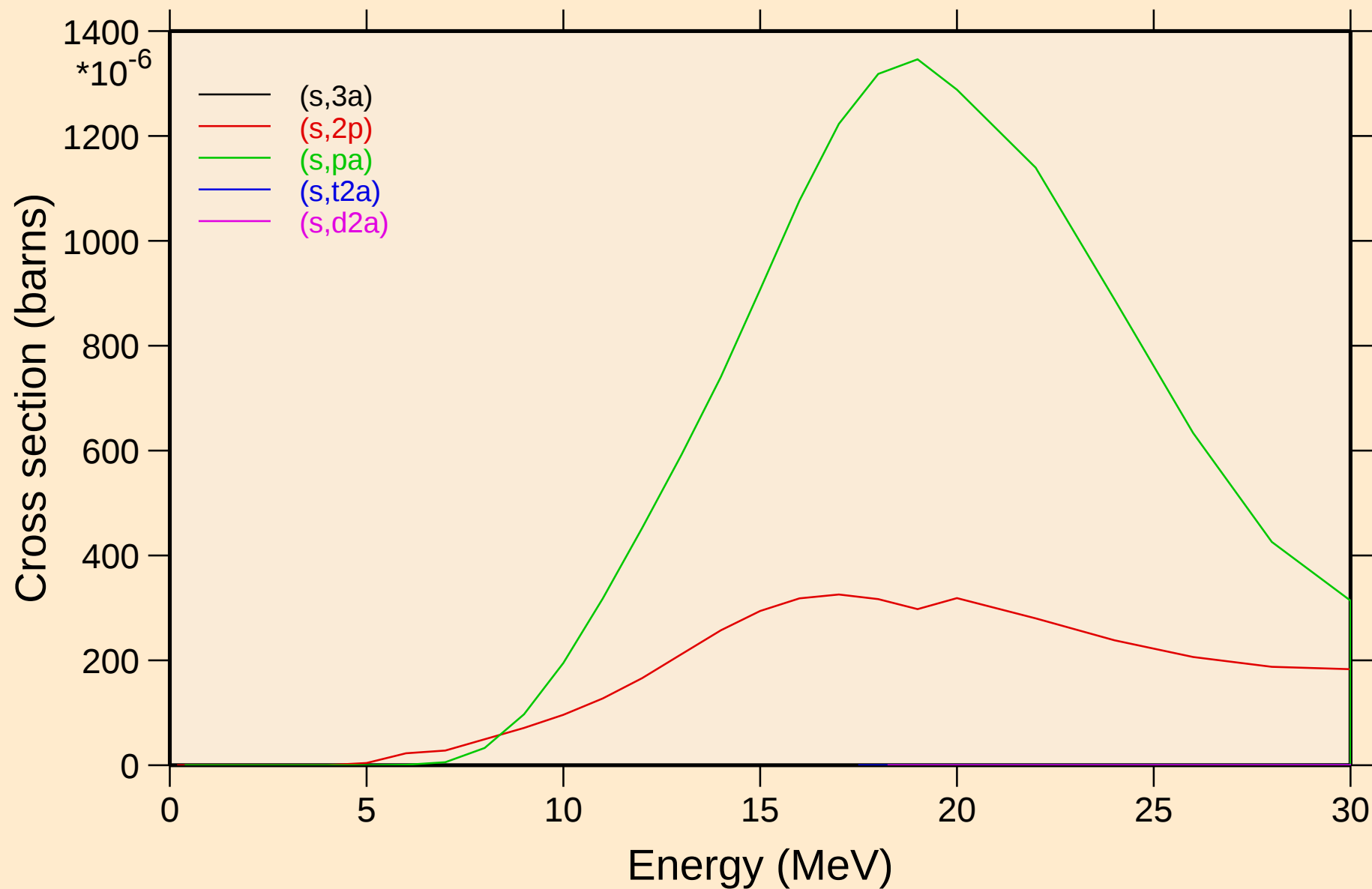
## Threshold reactions



SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

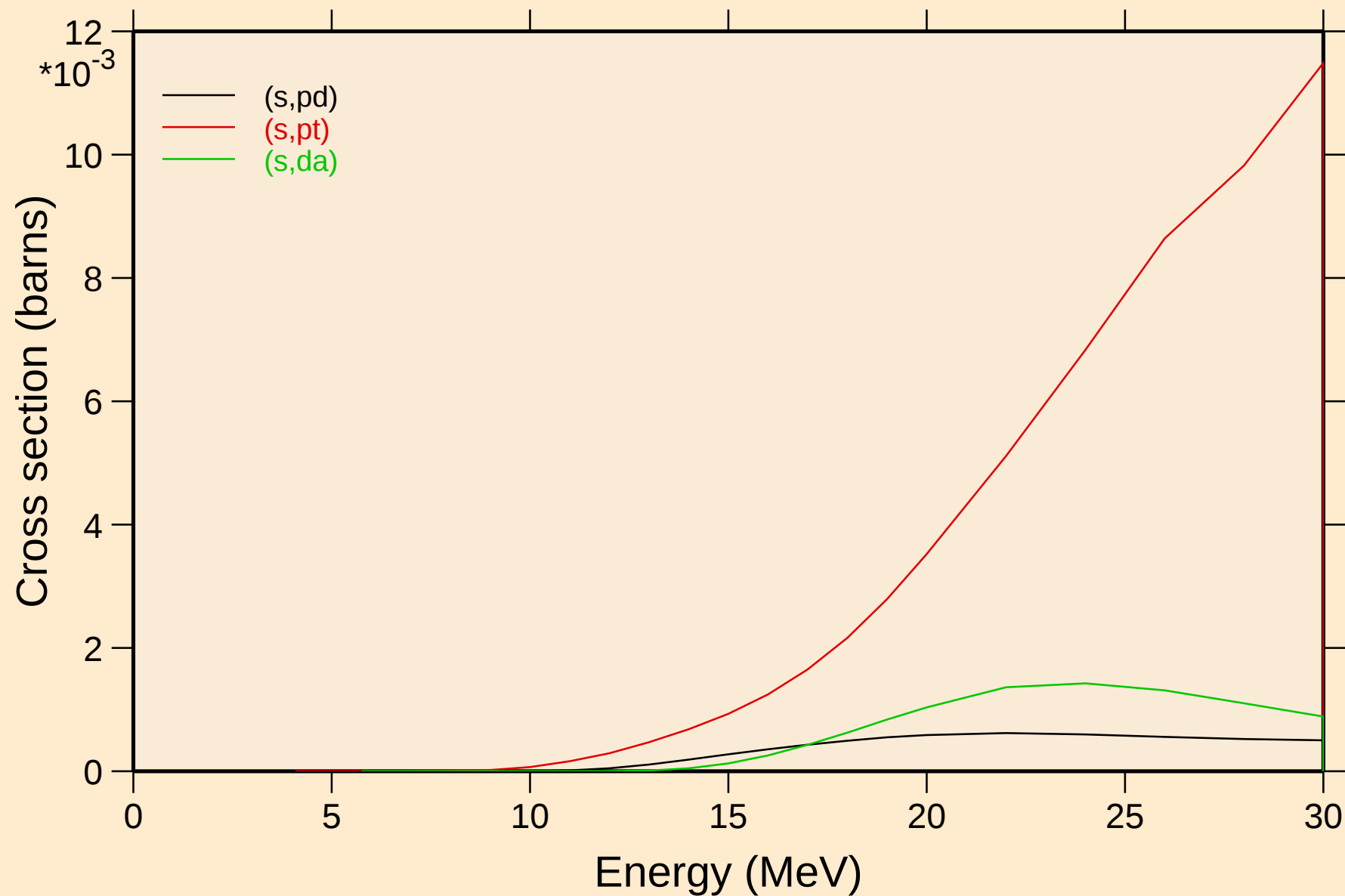


SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

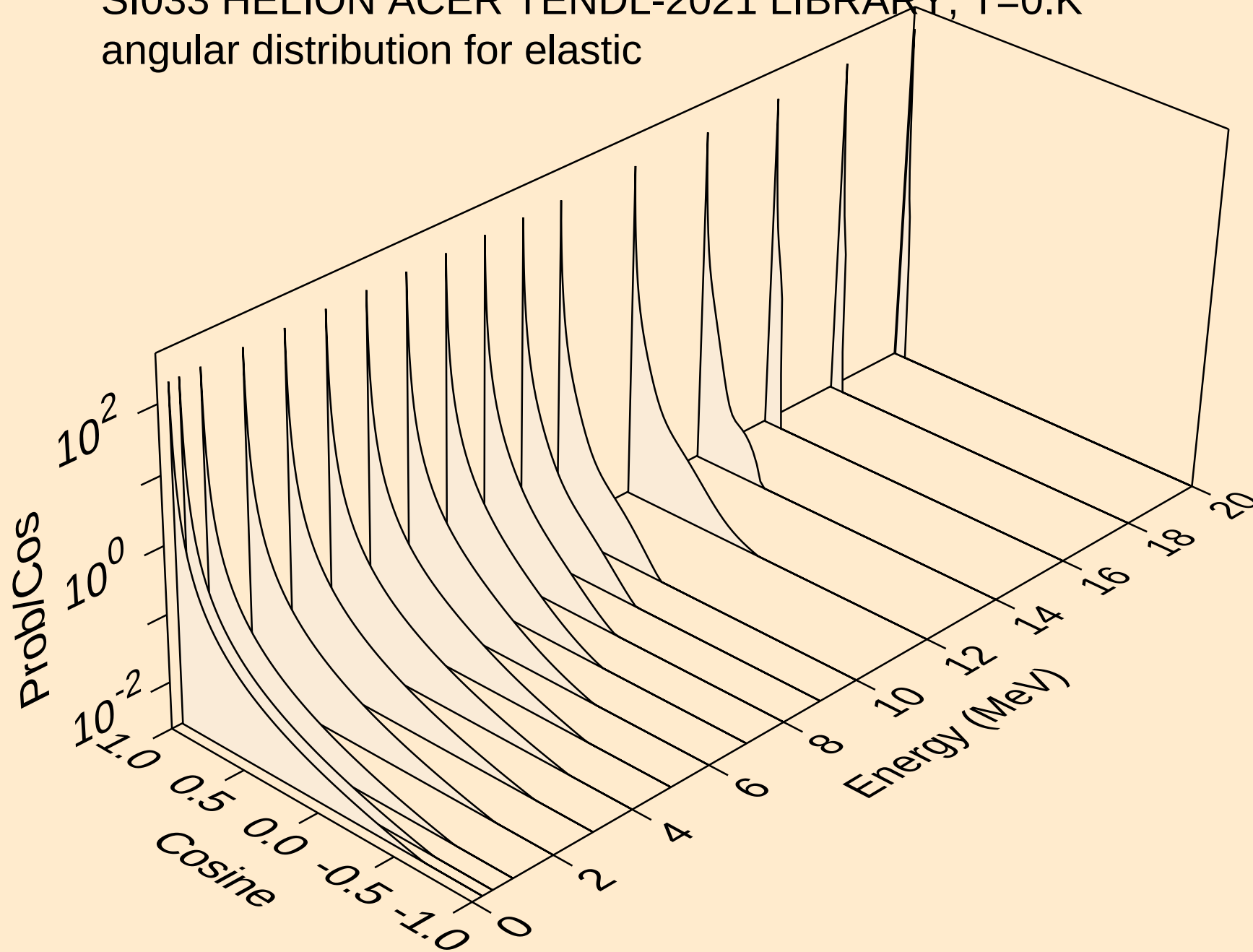


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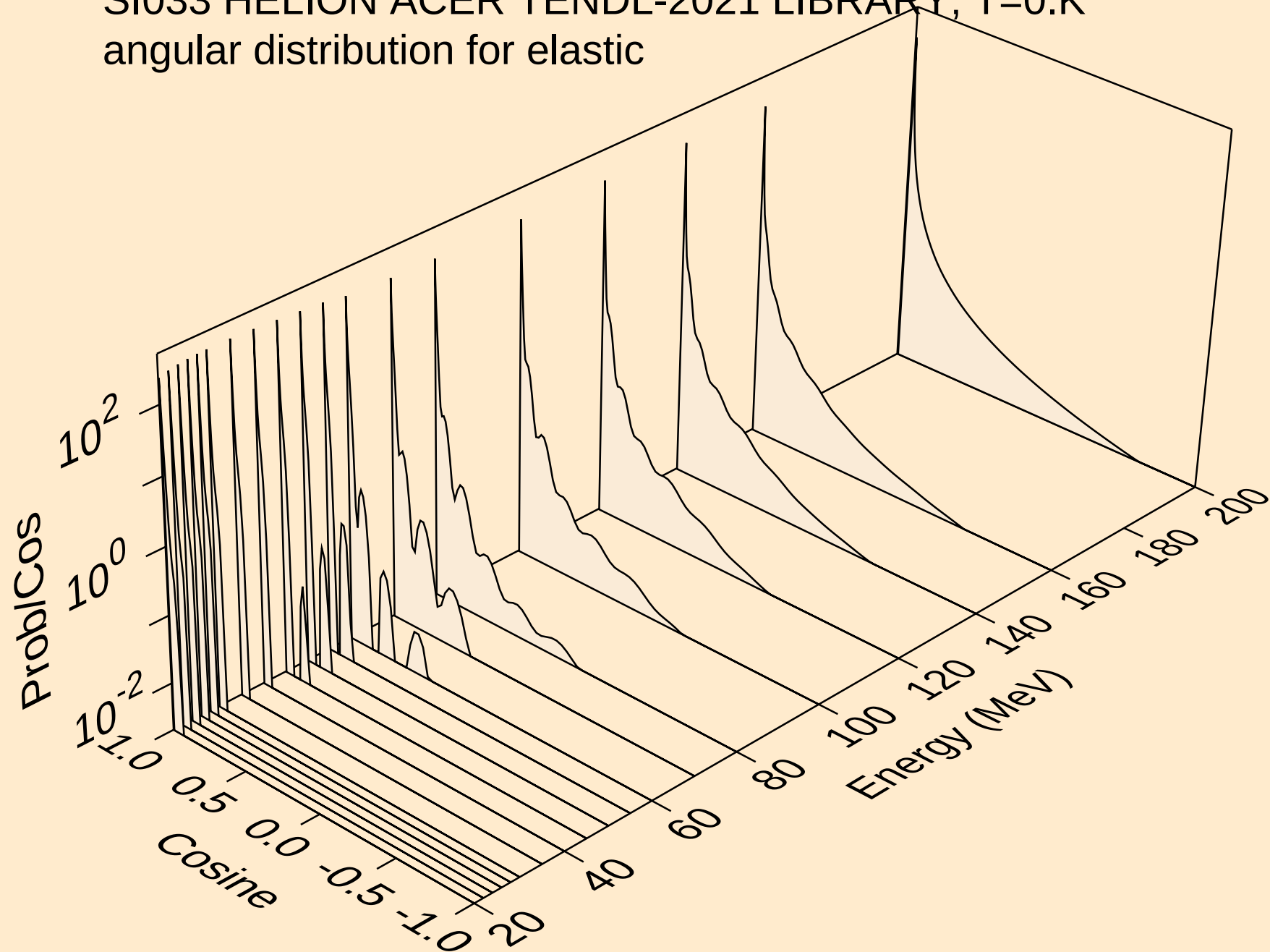
## Threshold reactions



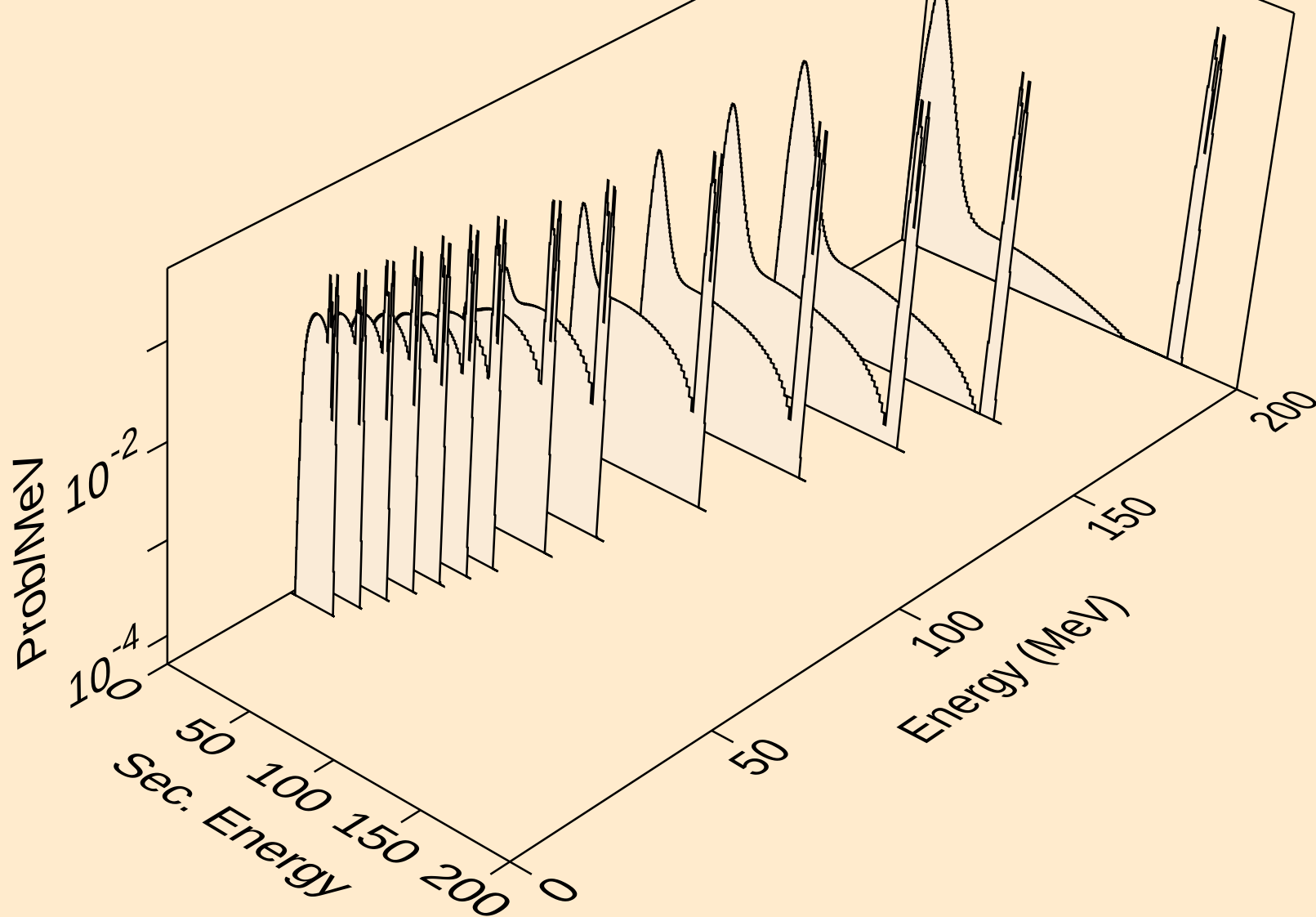
SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



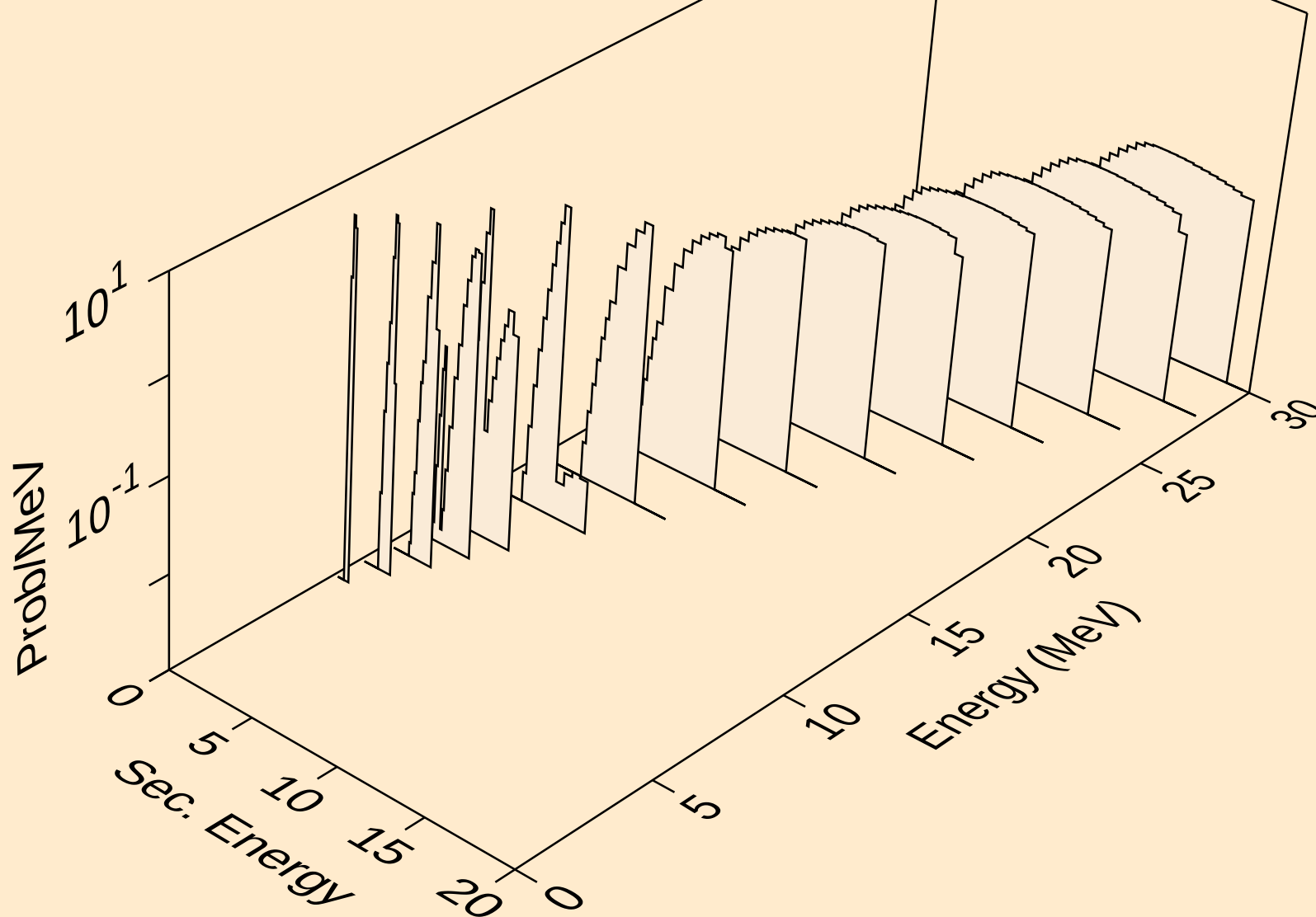
SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



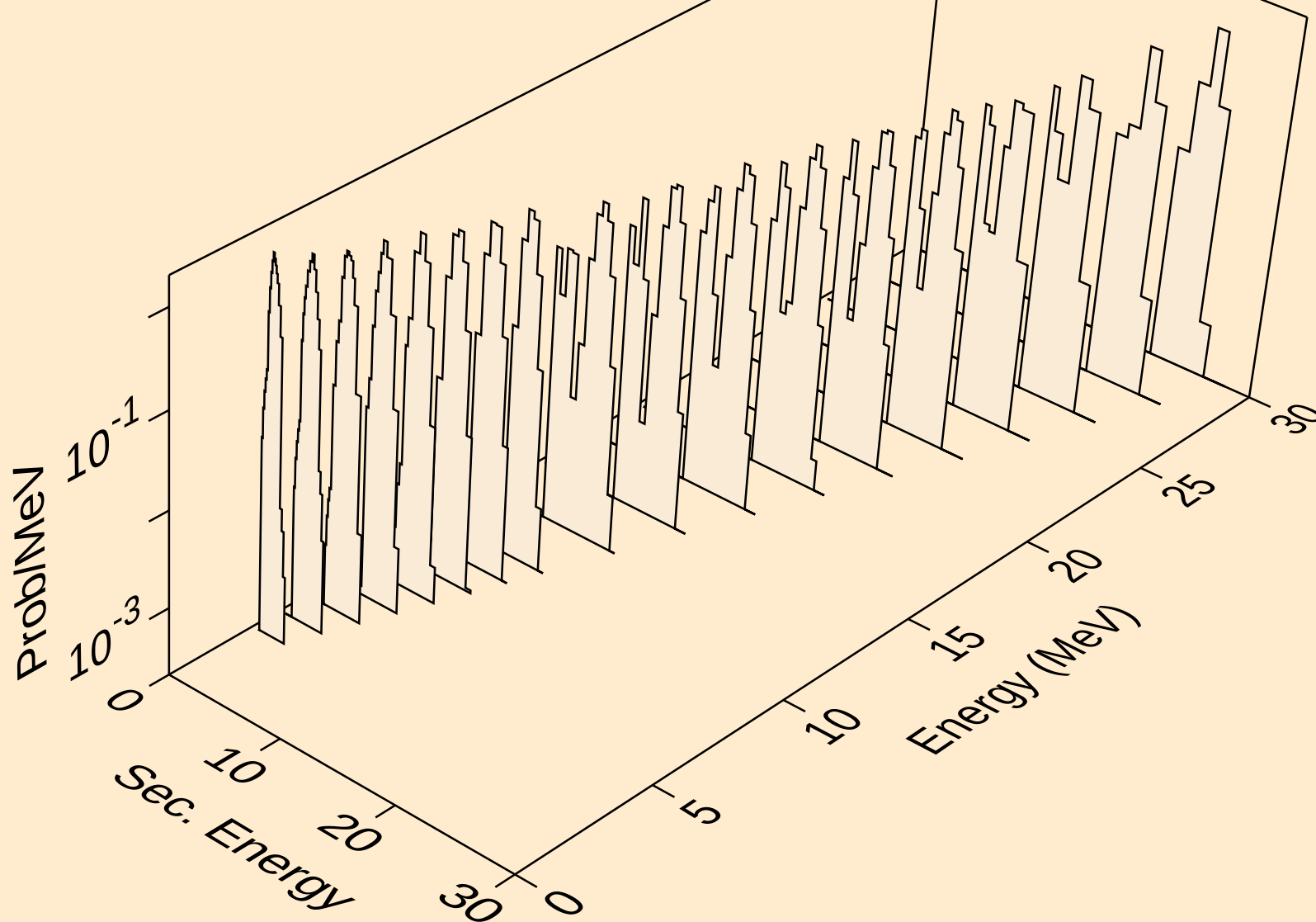
SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,x)



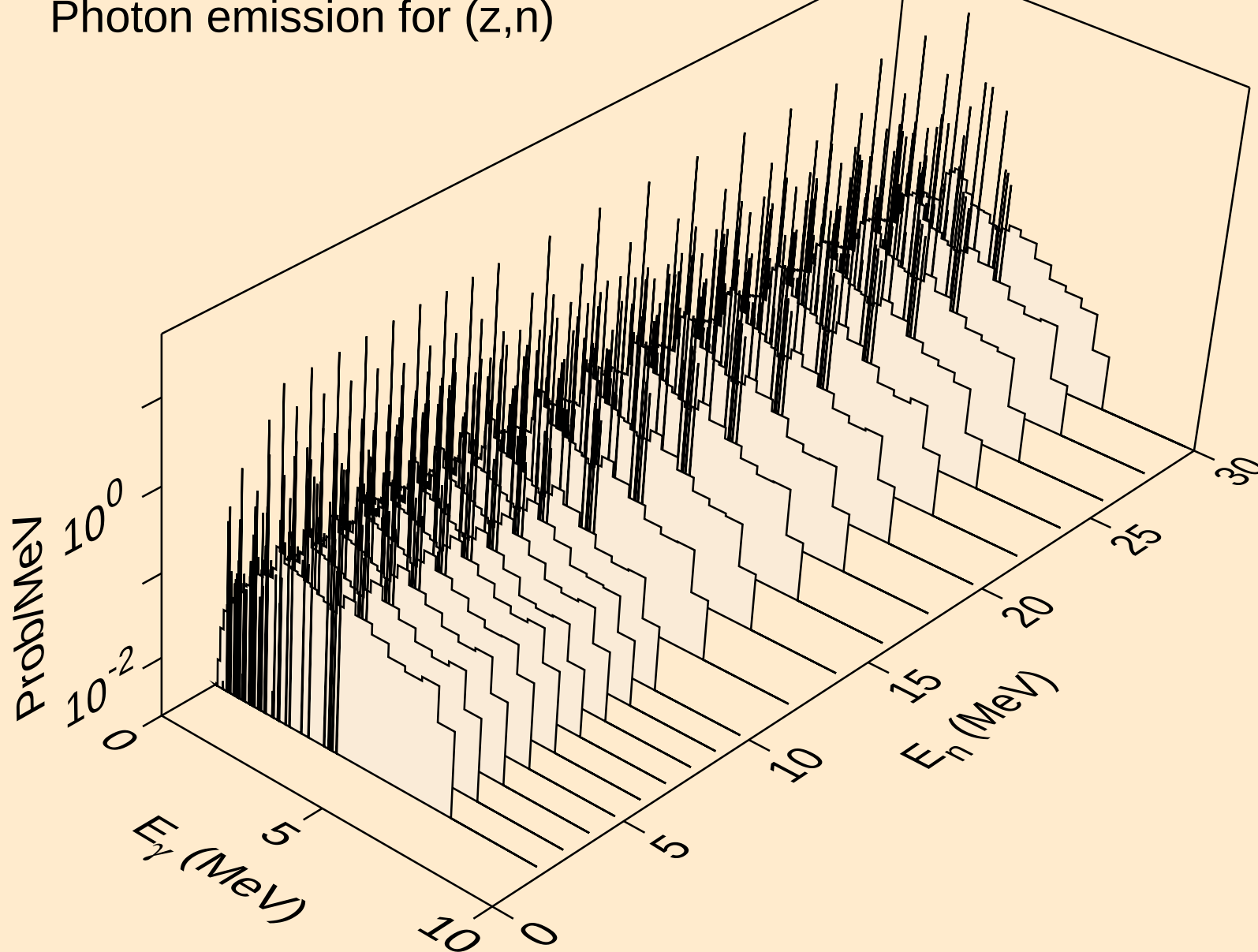
SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3



SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K  
He-3 emission for inelastic

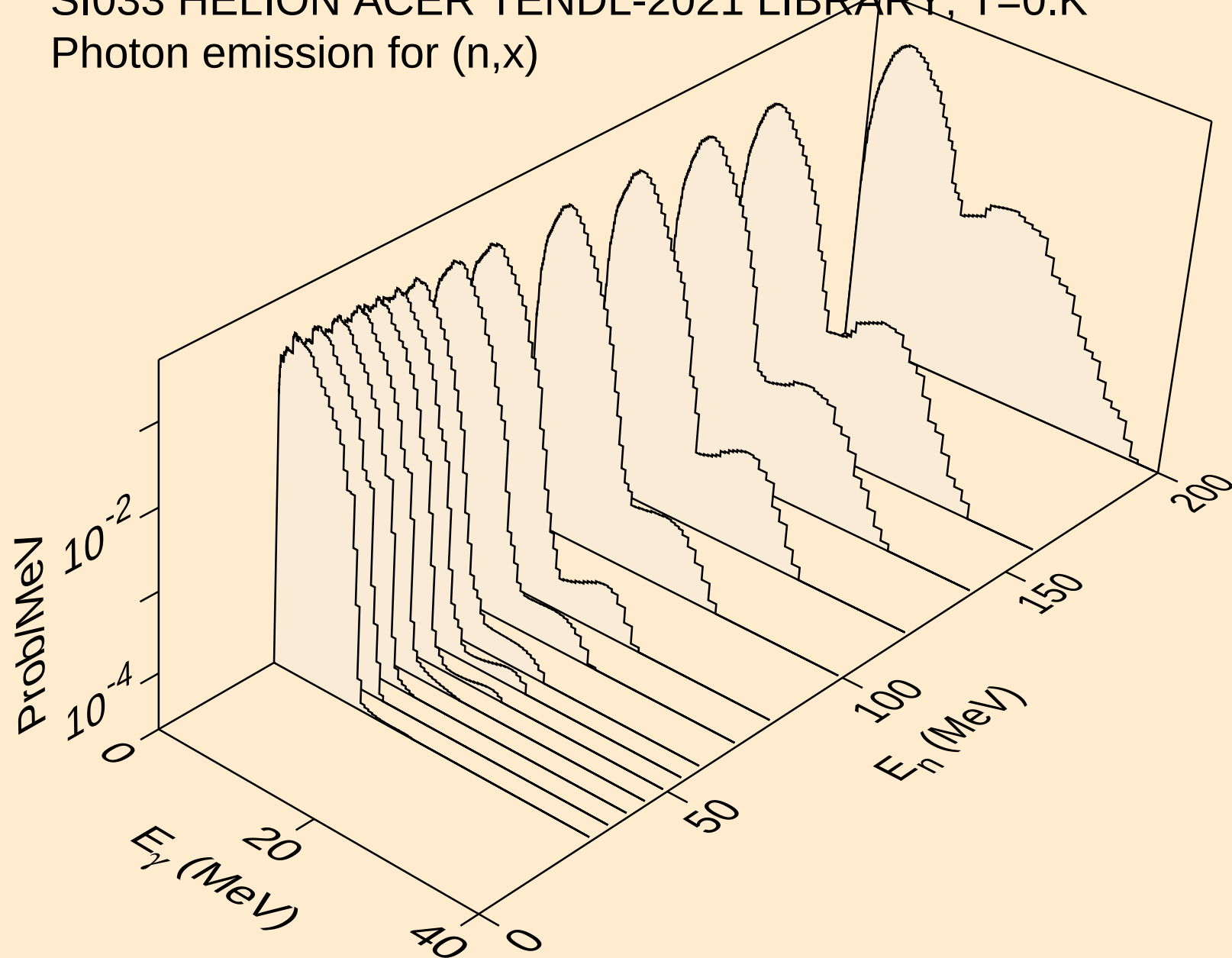


SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)

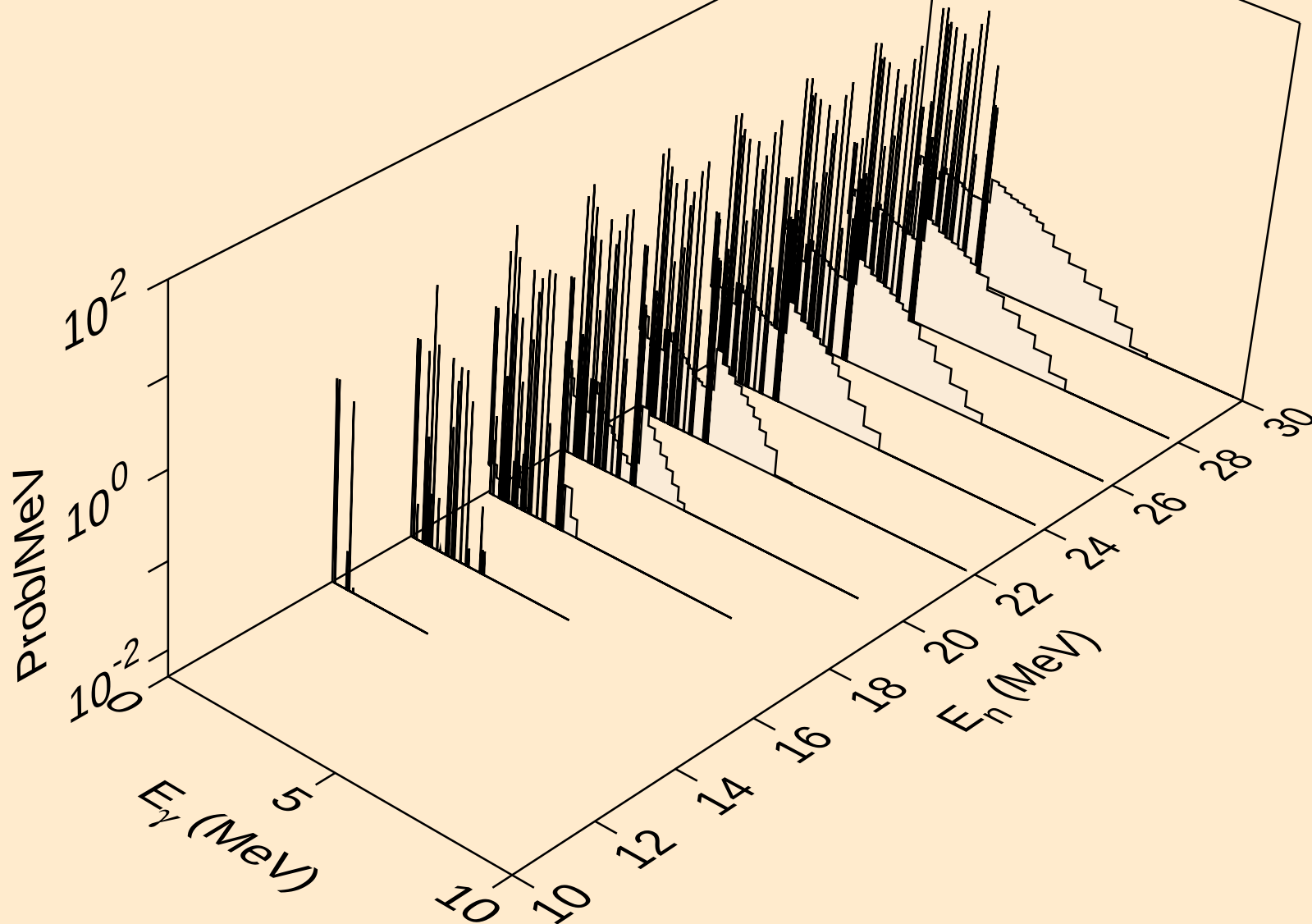


SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K

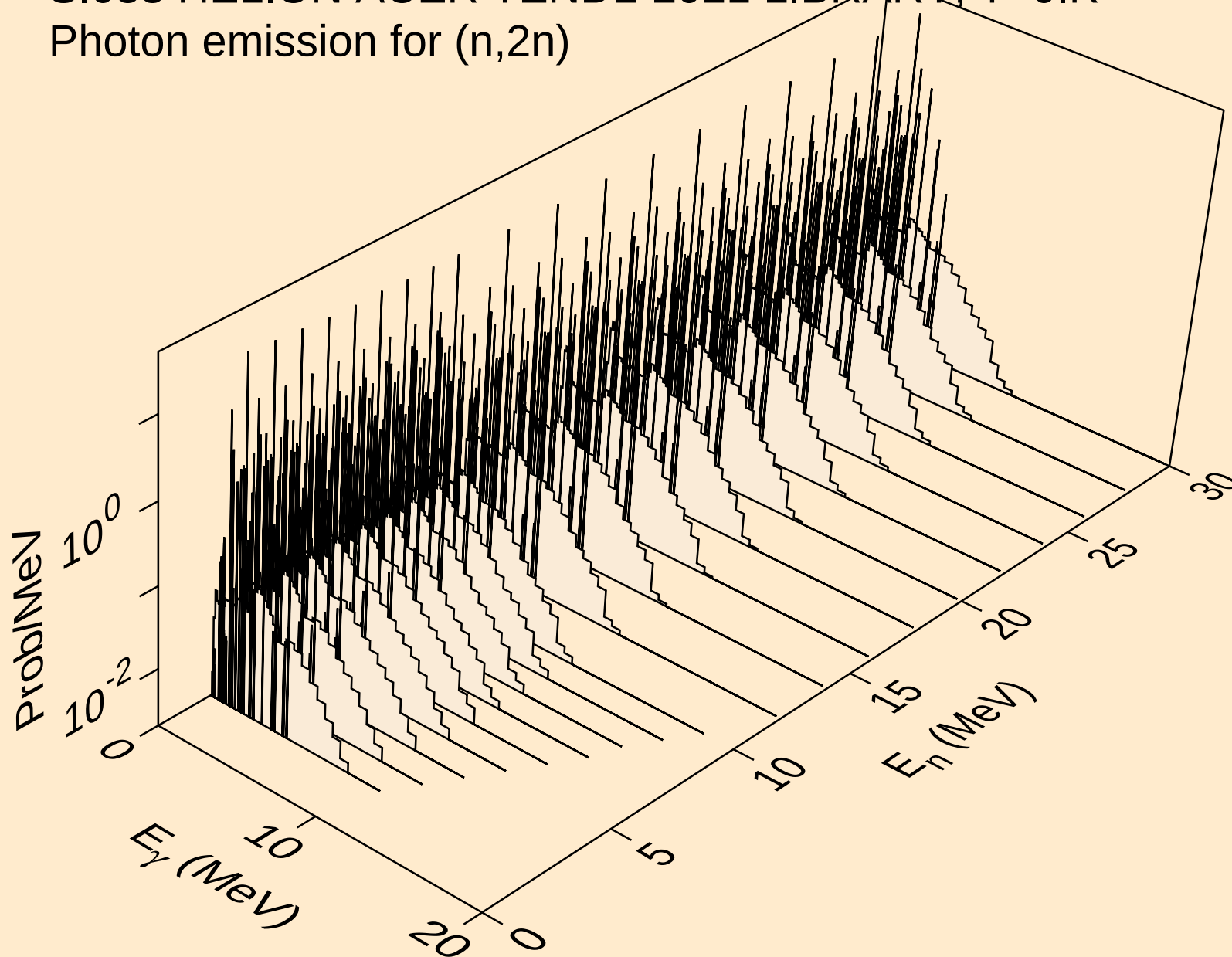
Photon emission for (n,x)



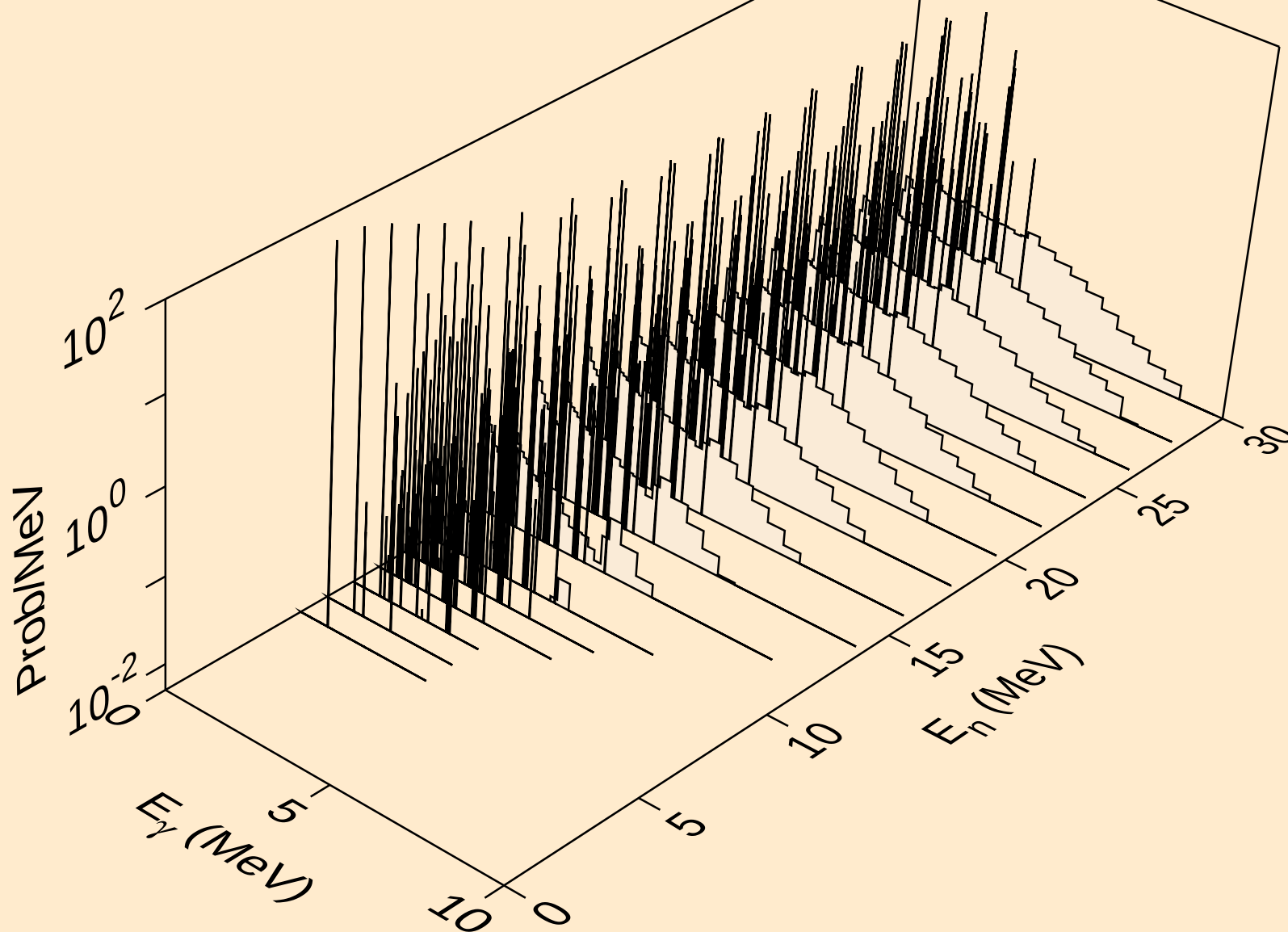
SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)



SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)

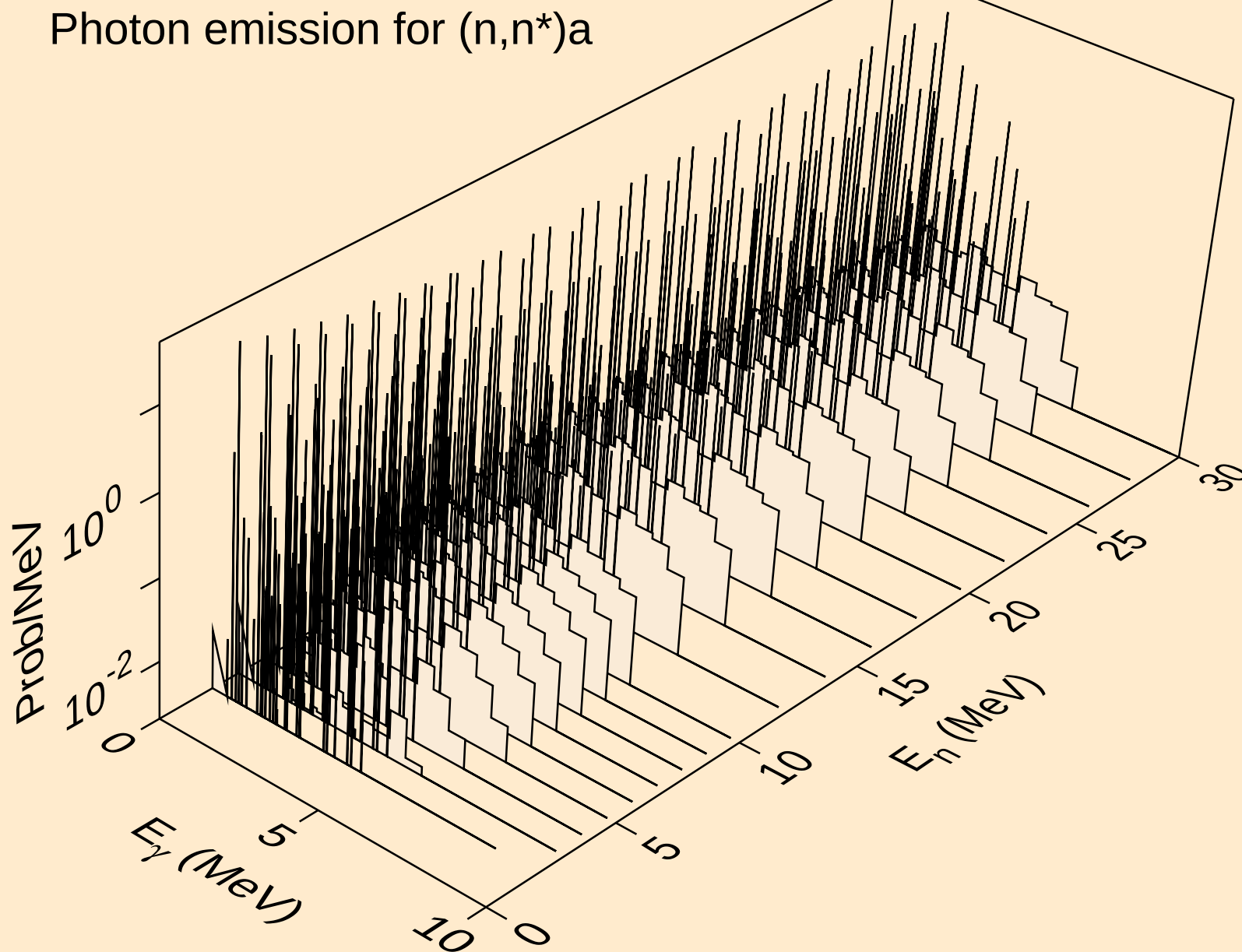


SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)



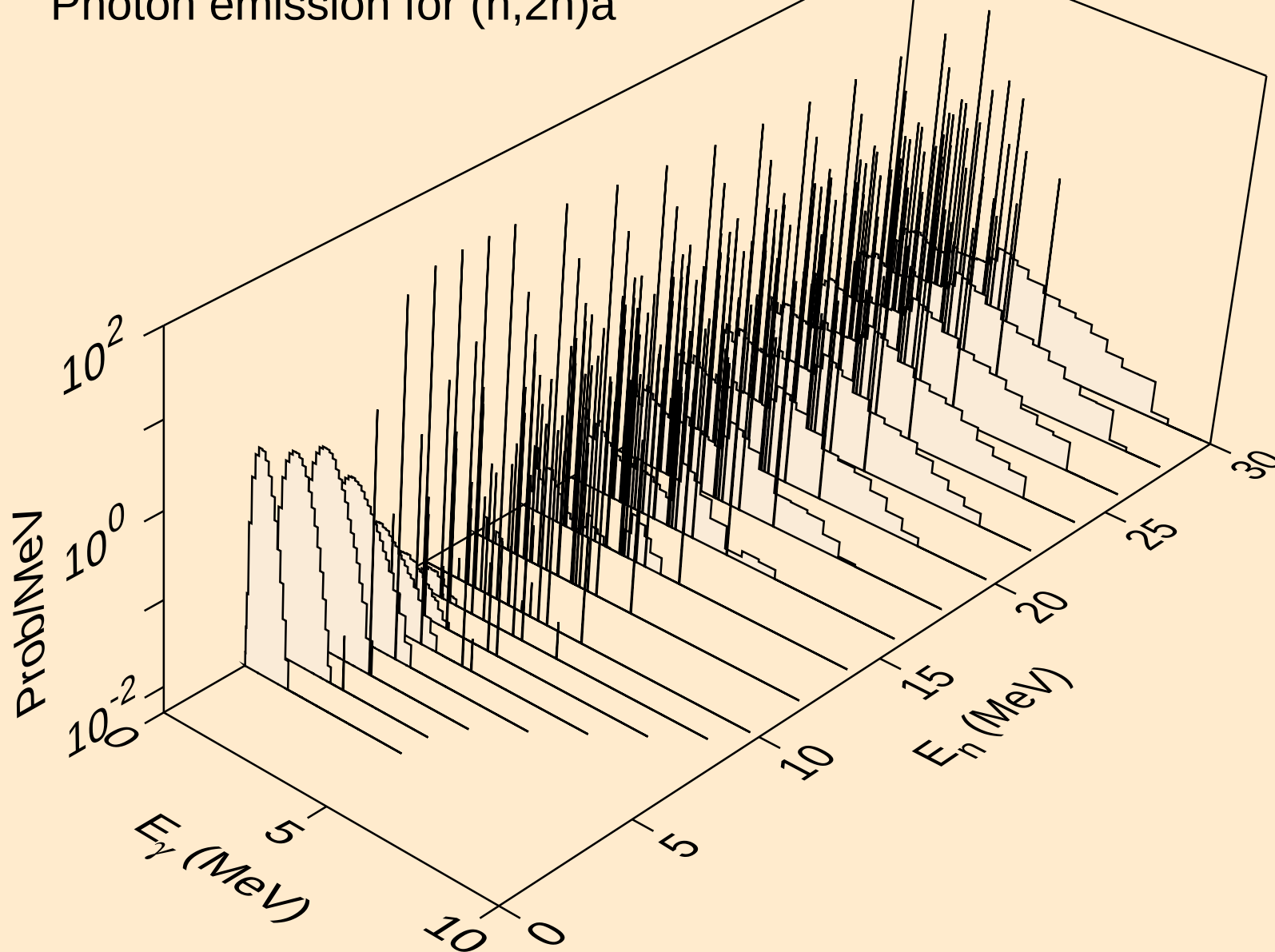
SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n\*)a



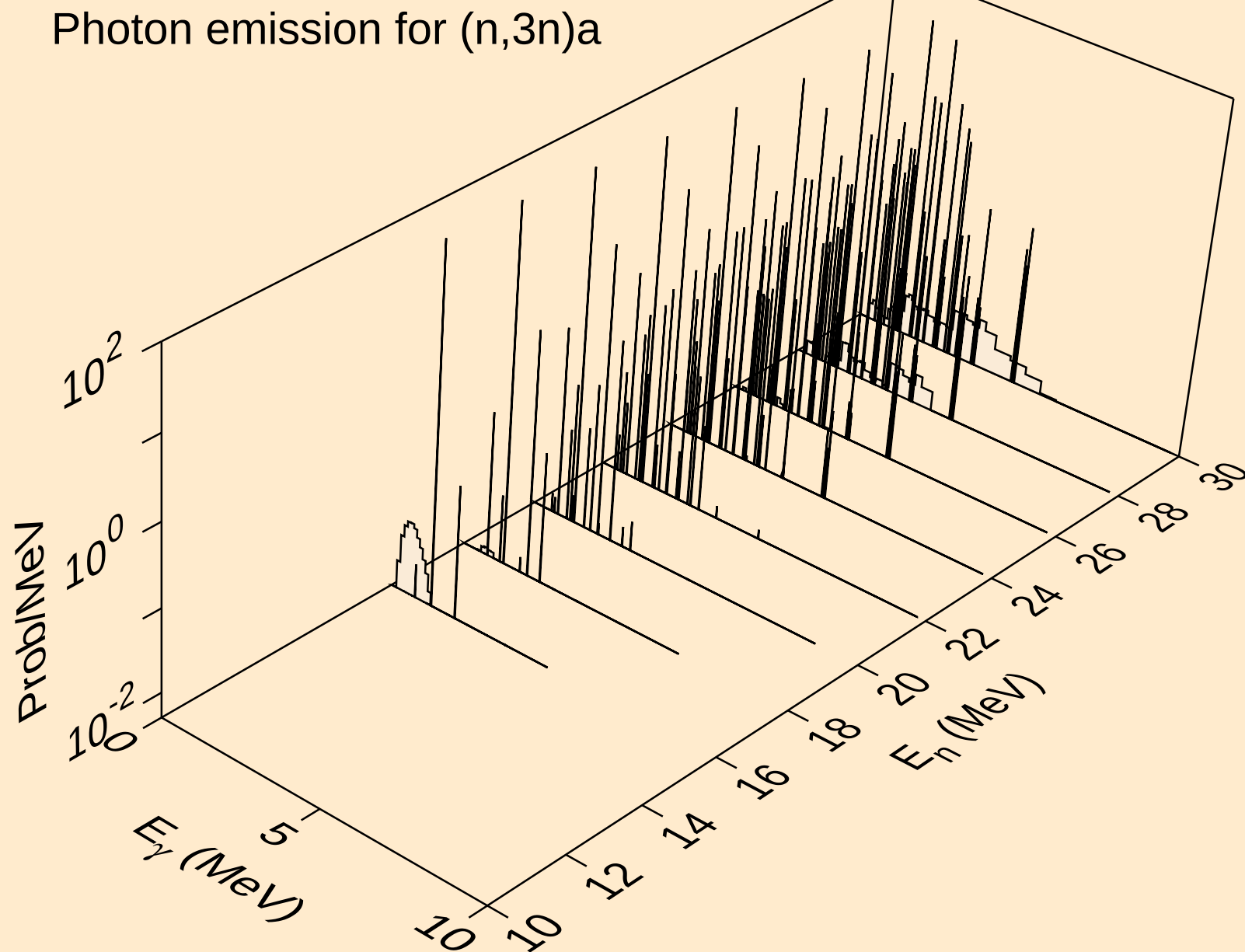
SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,2n)a



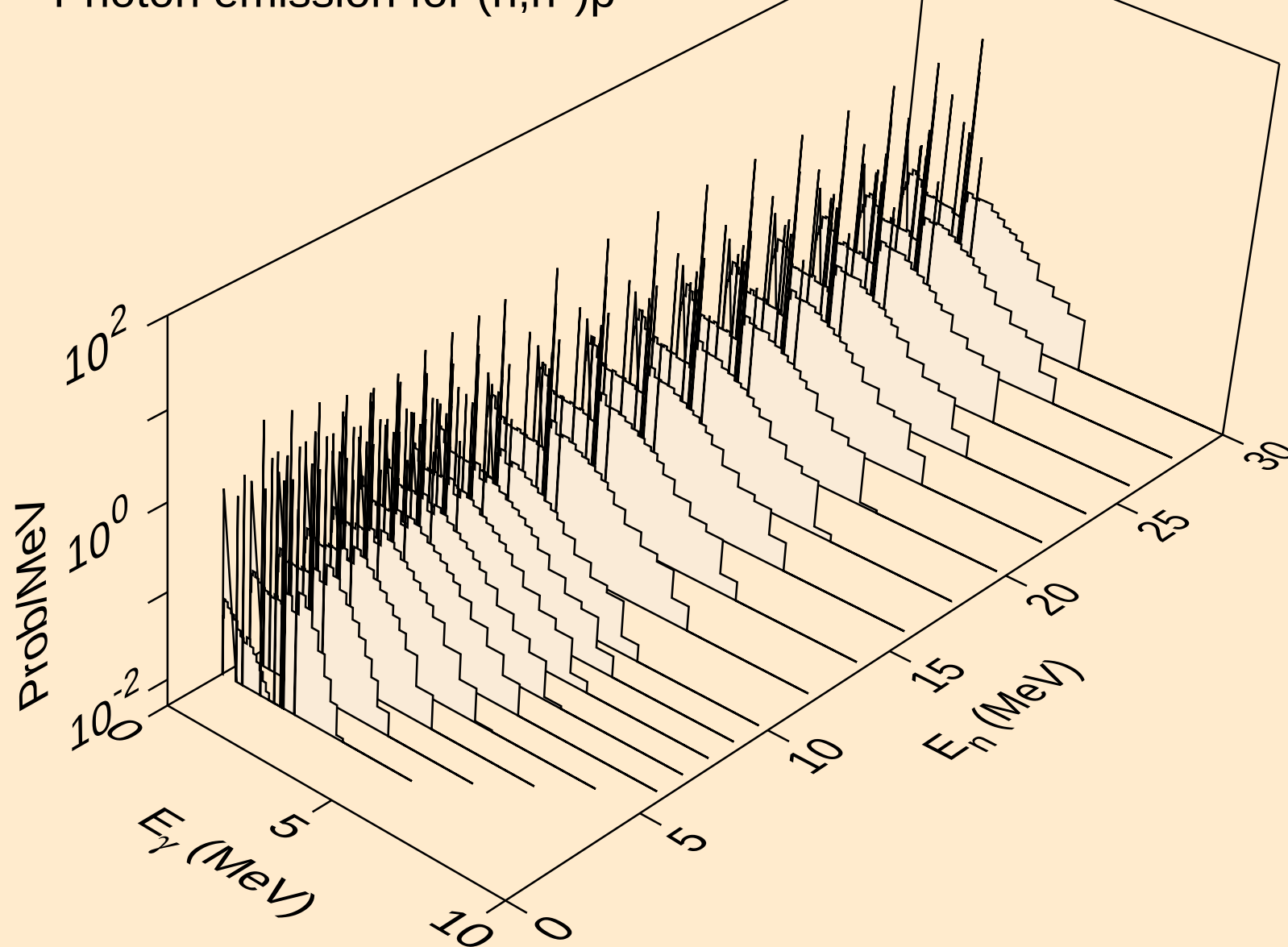
SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K

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

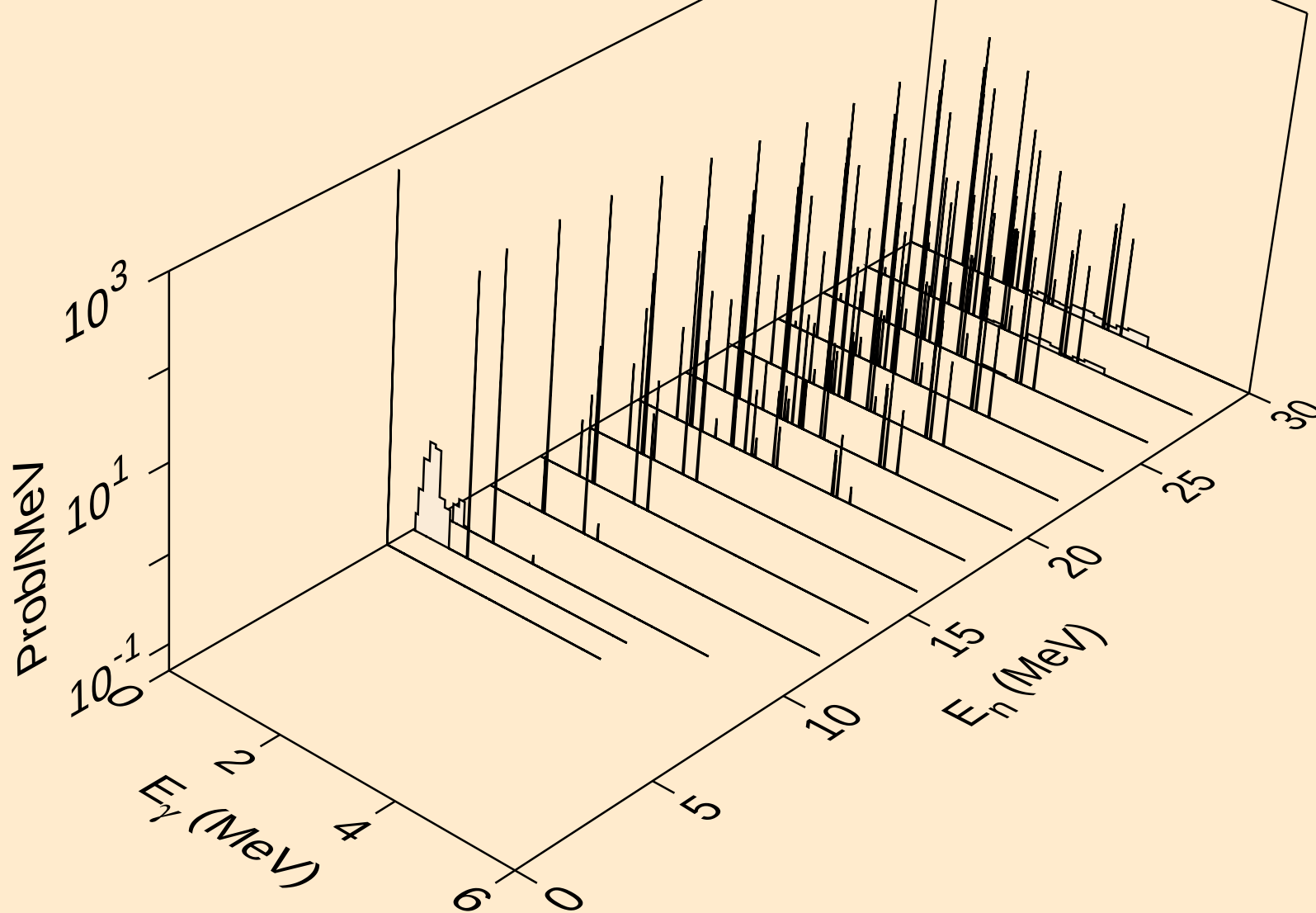


SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n\*)p

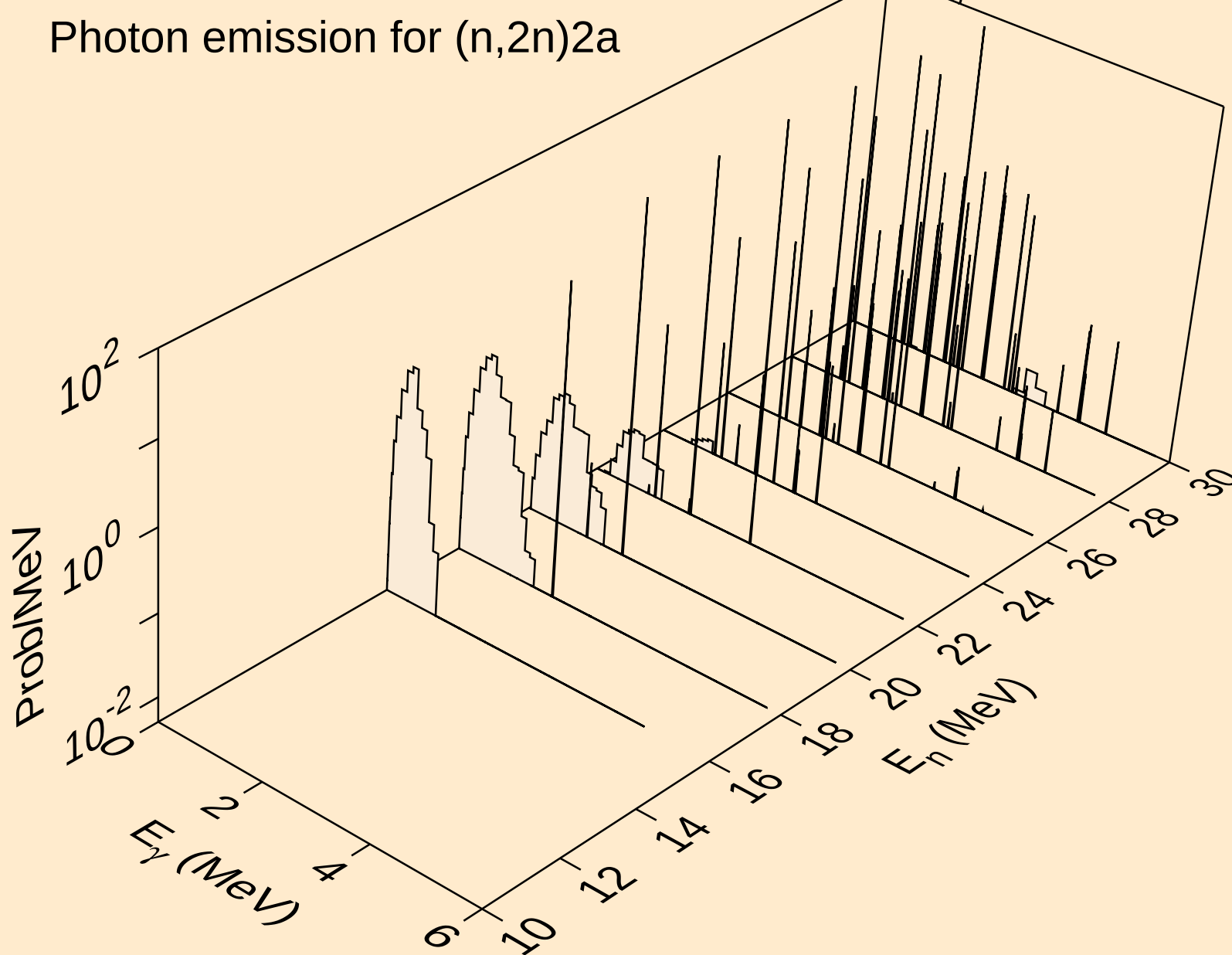


SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



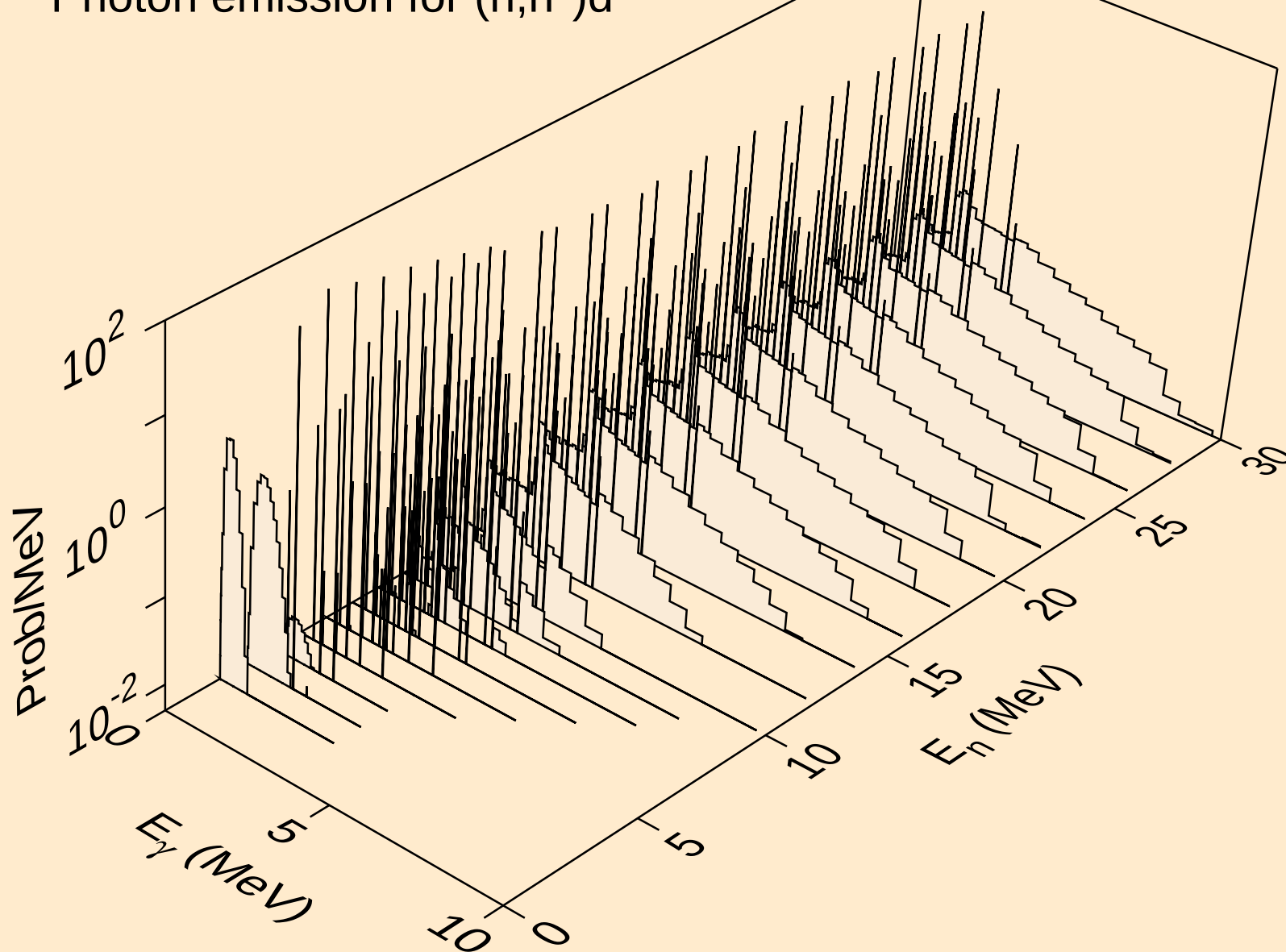
SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,2n)2a



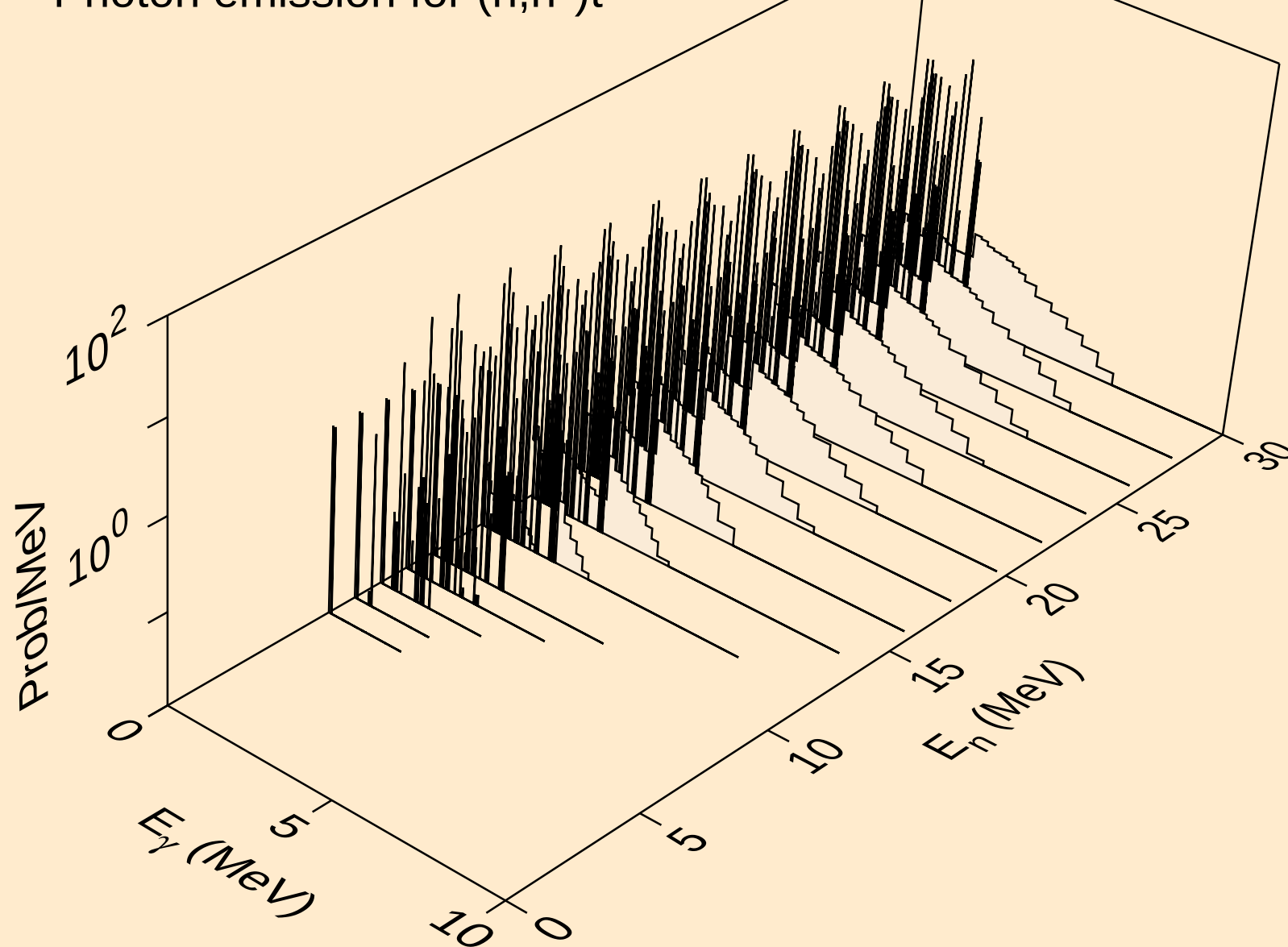
SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K

Photon emission for (n,n\*)d

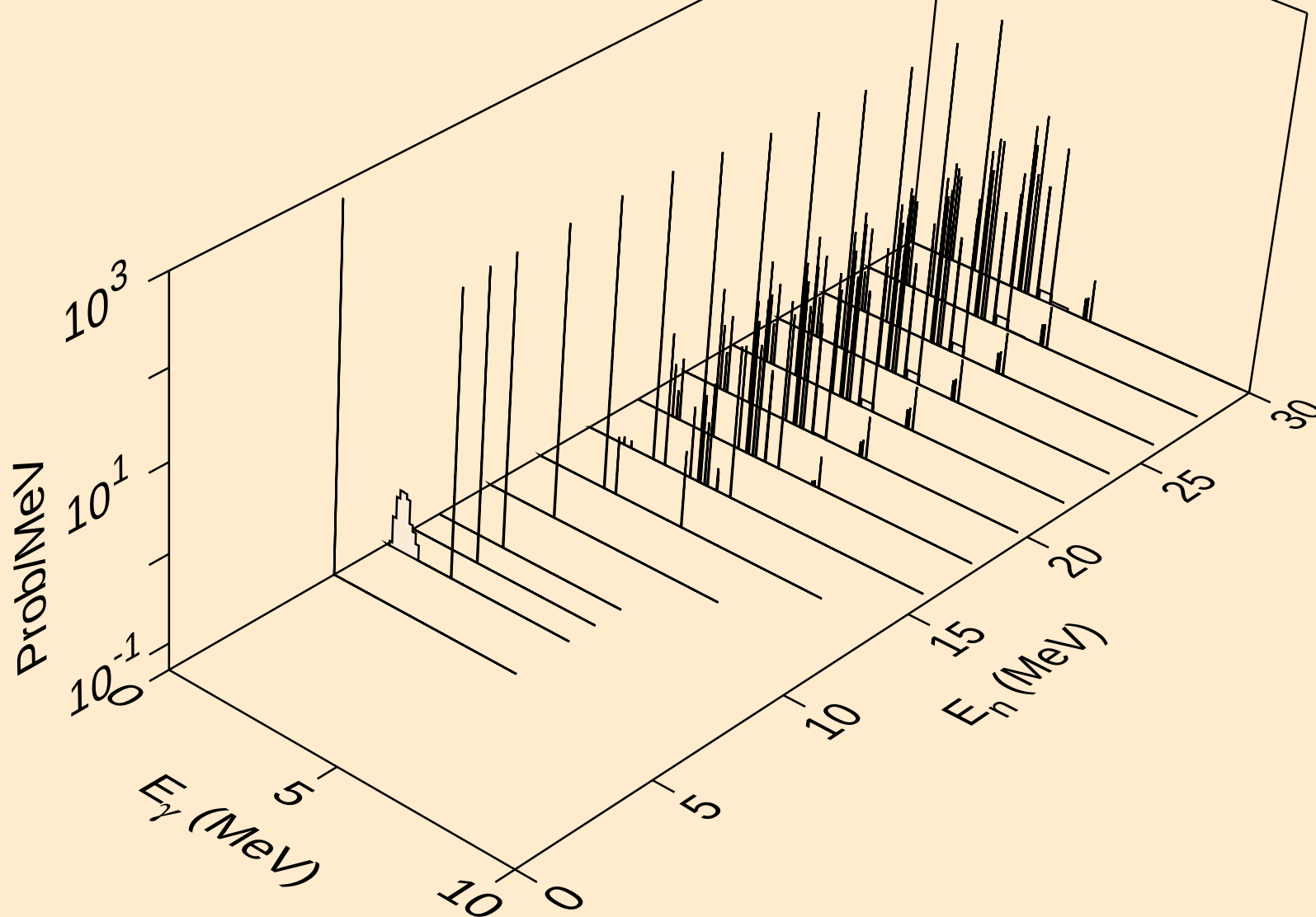


SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K

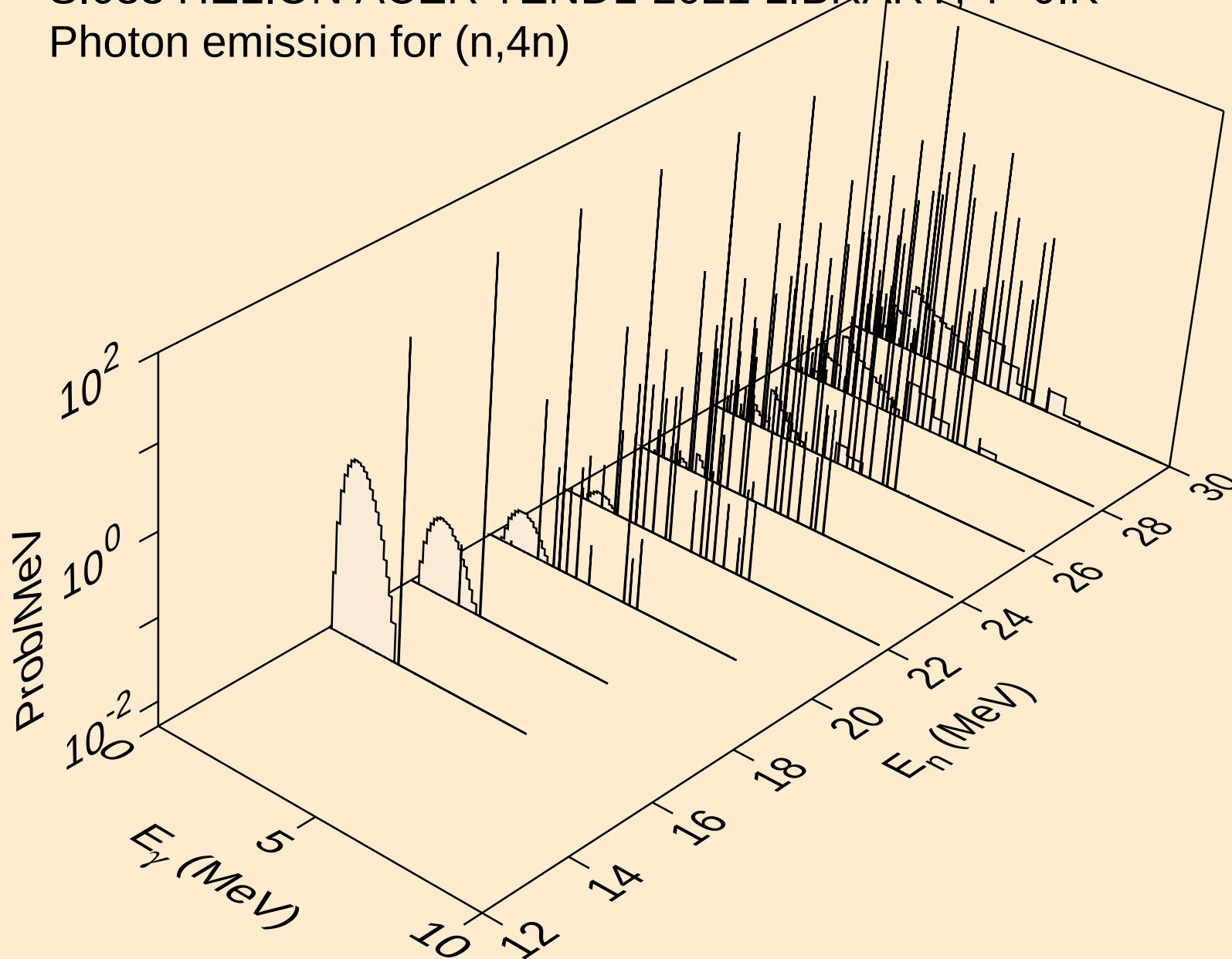
Photon emission for (n,n\*)t



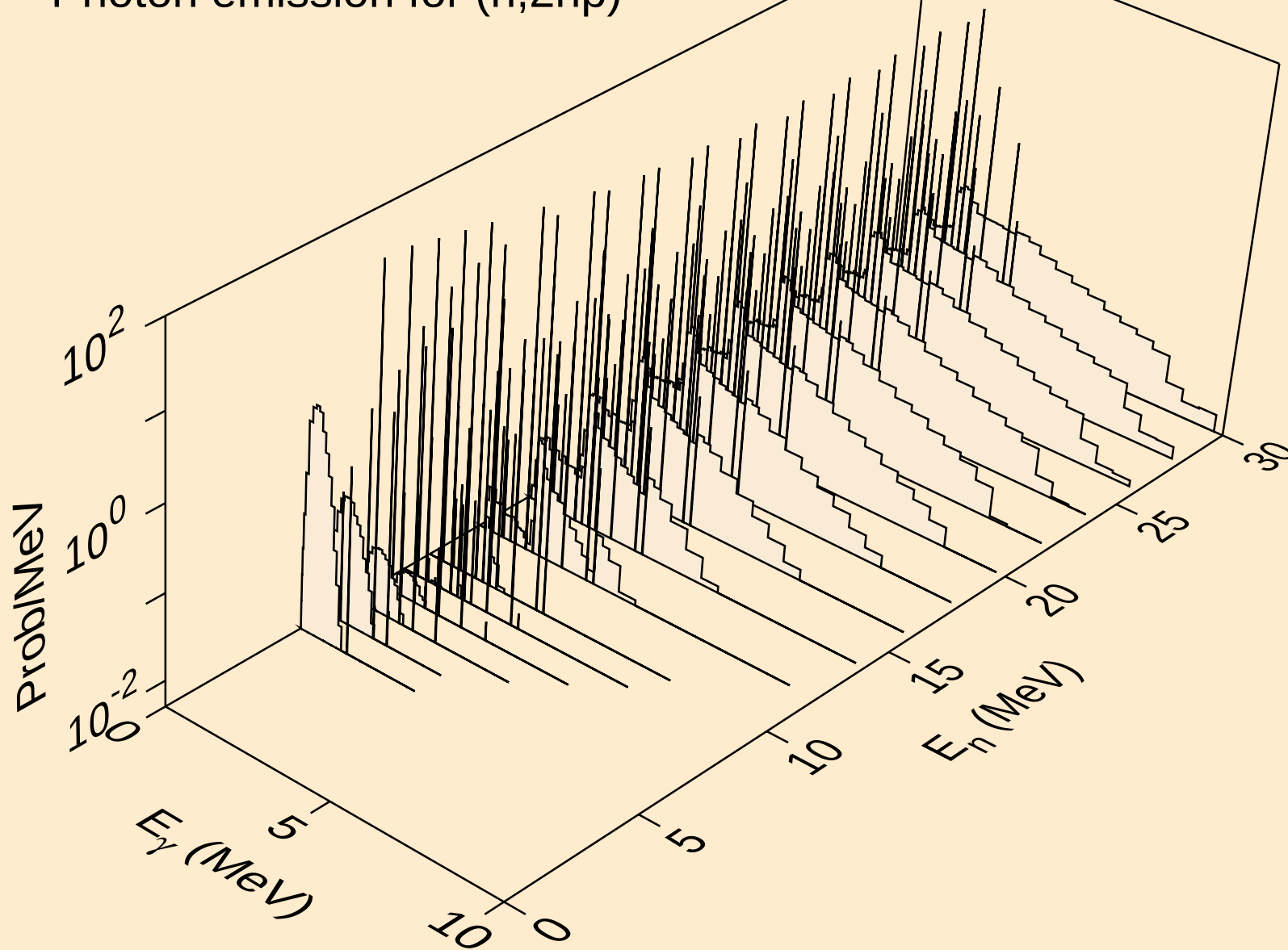
SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



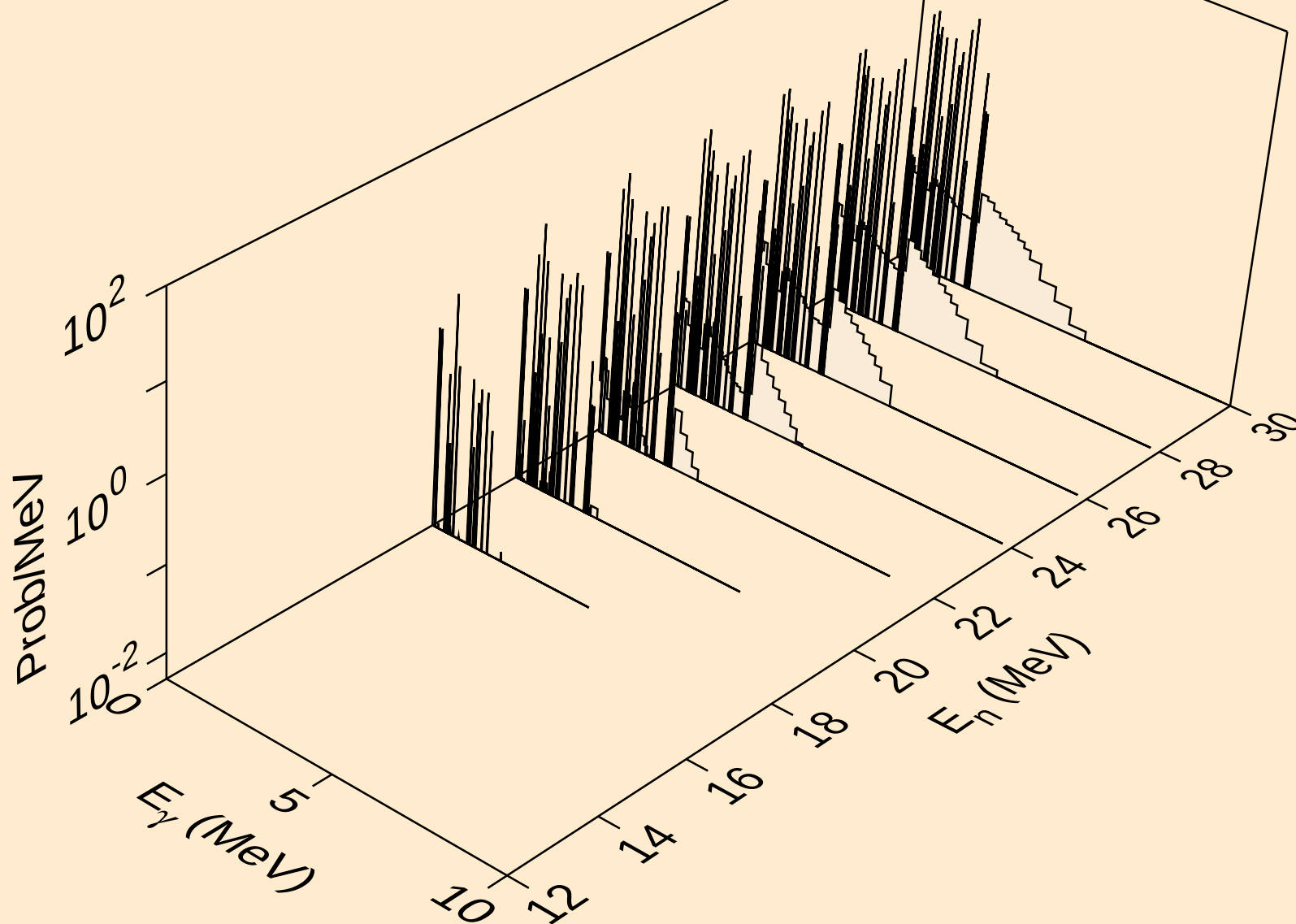
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Photon emission for (n,4n)



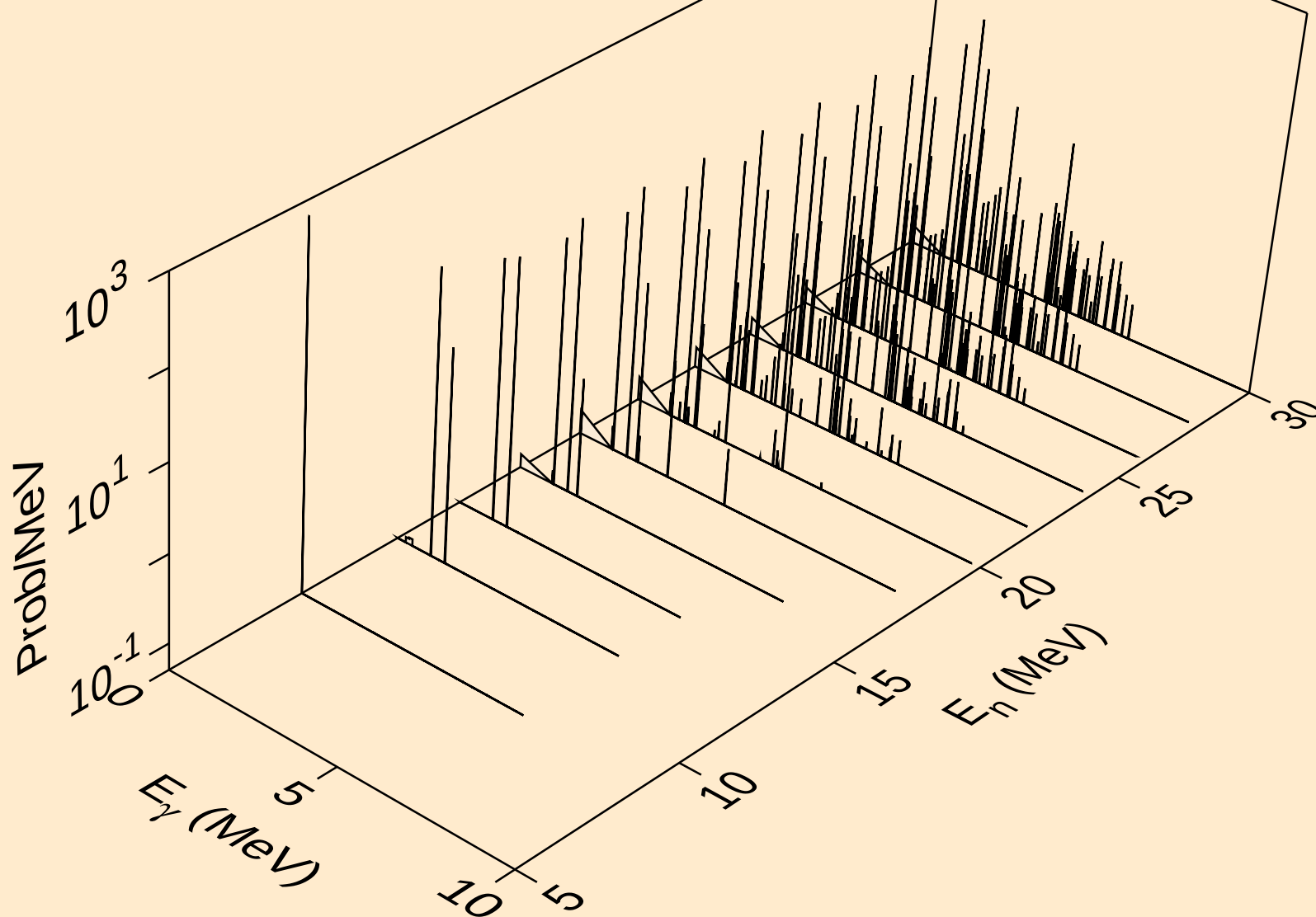
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Photon emission for (n,2np)



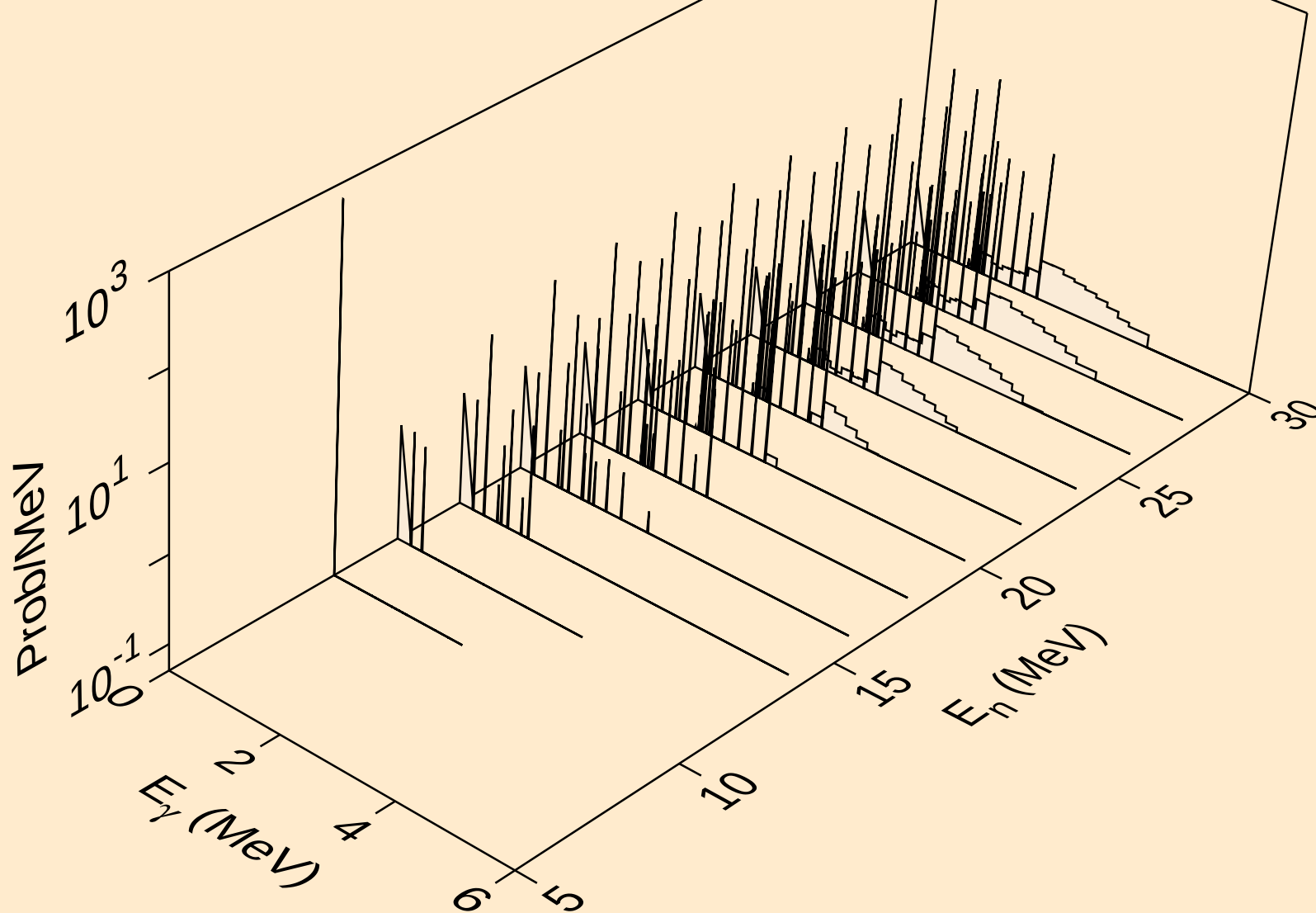
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Photon emission for (n,3np)



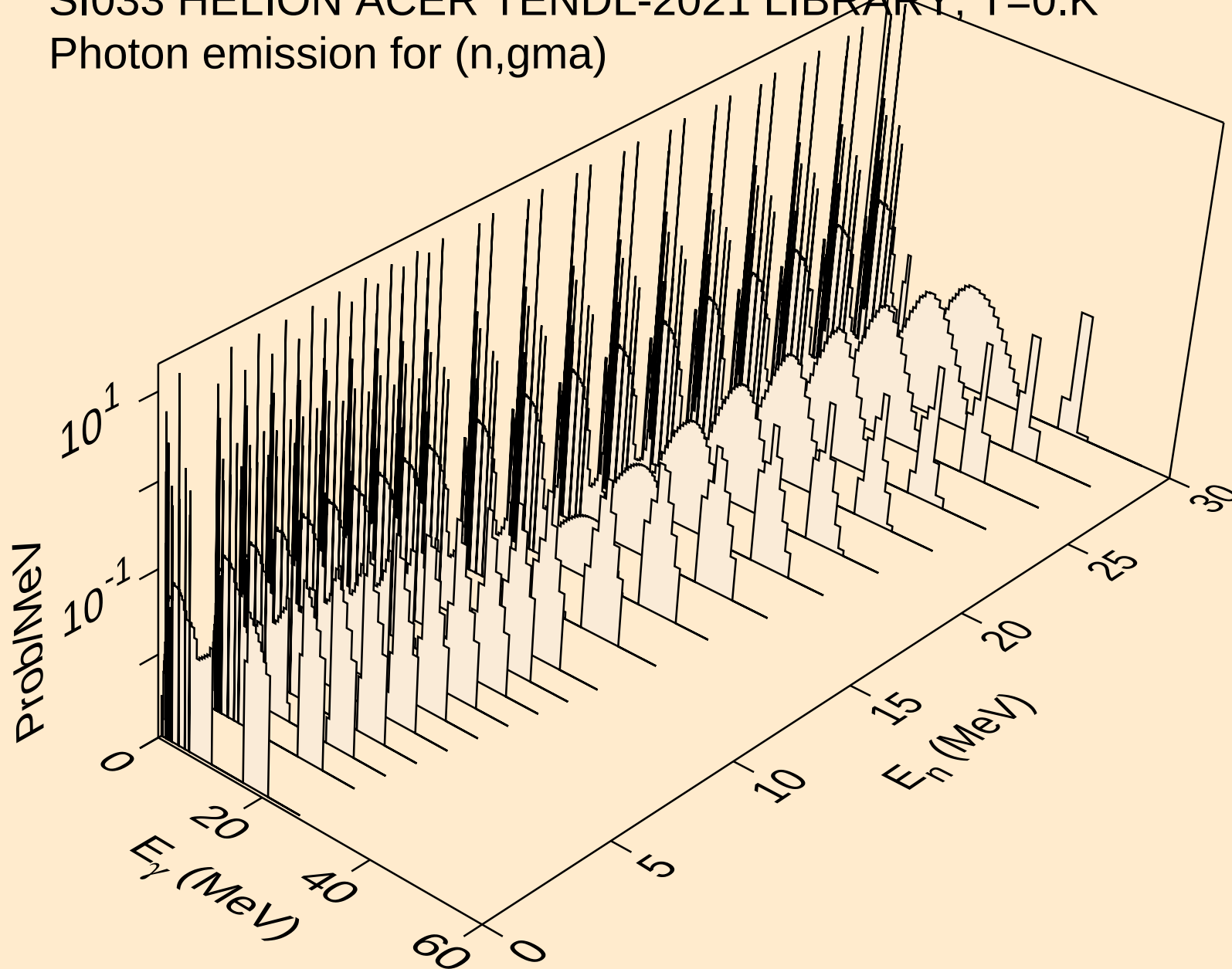
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Photon emission for (n,2np)



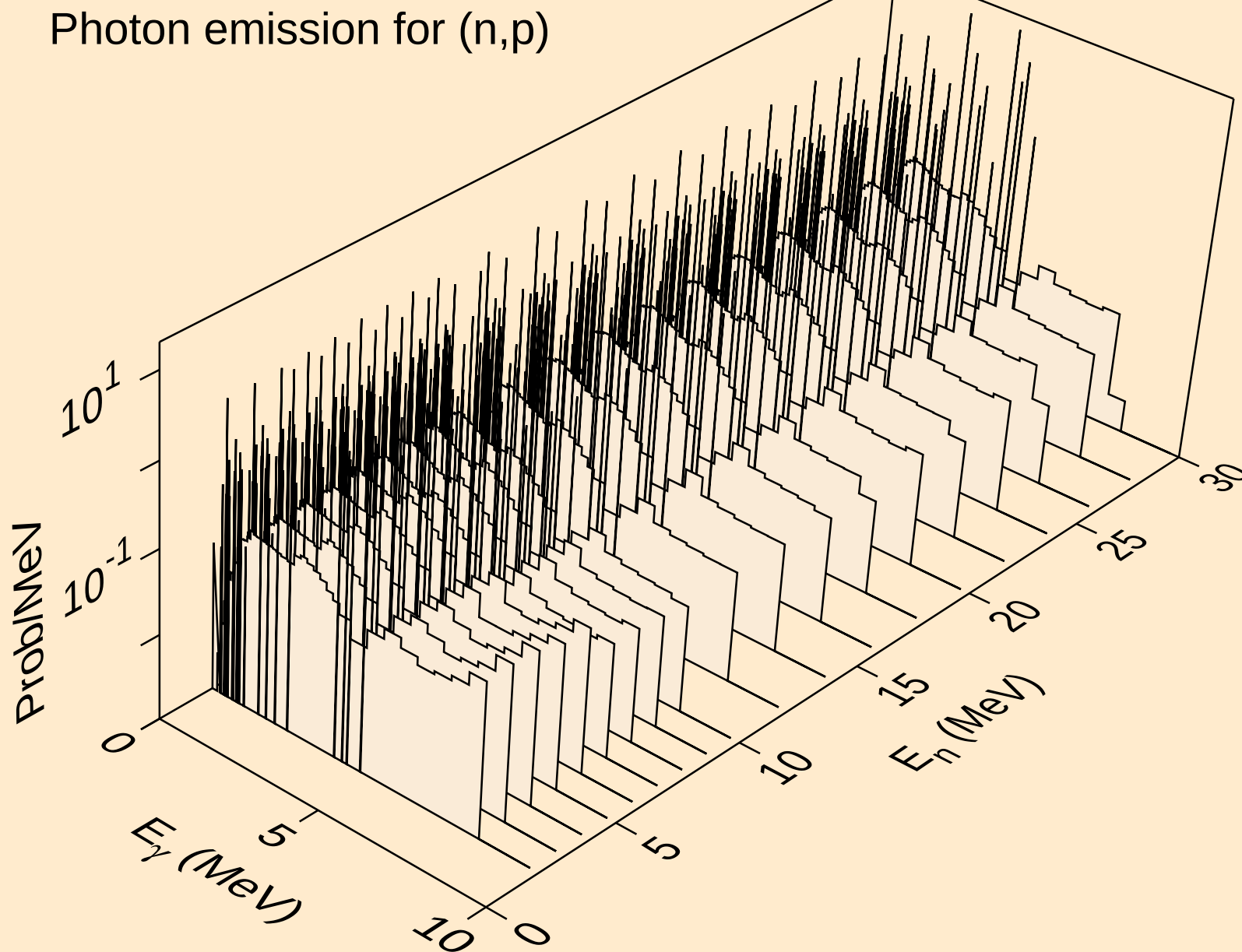
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Photon emission for (n,npa)



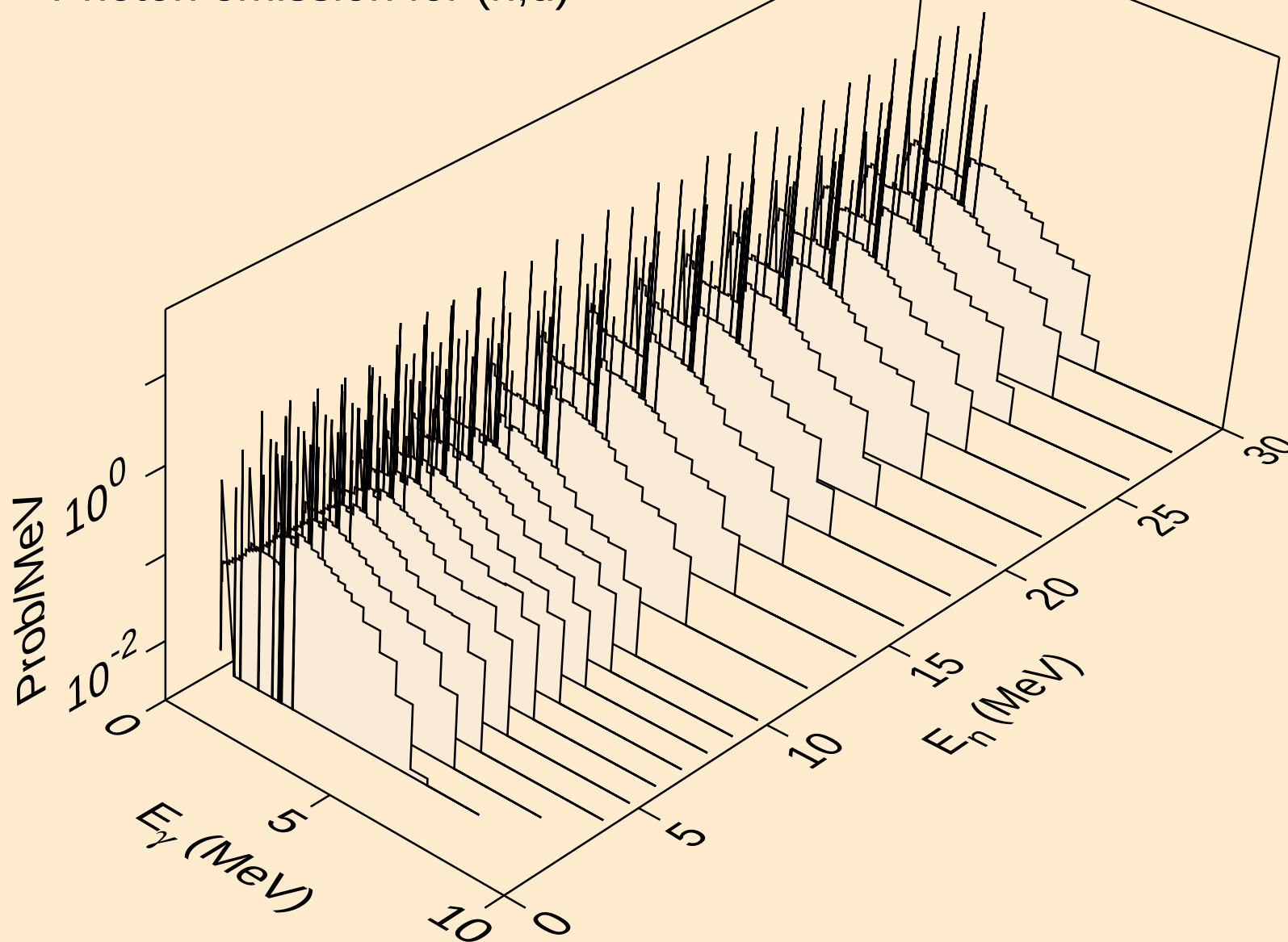
SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,gma)



SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,p)

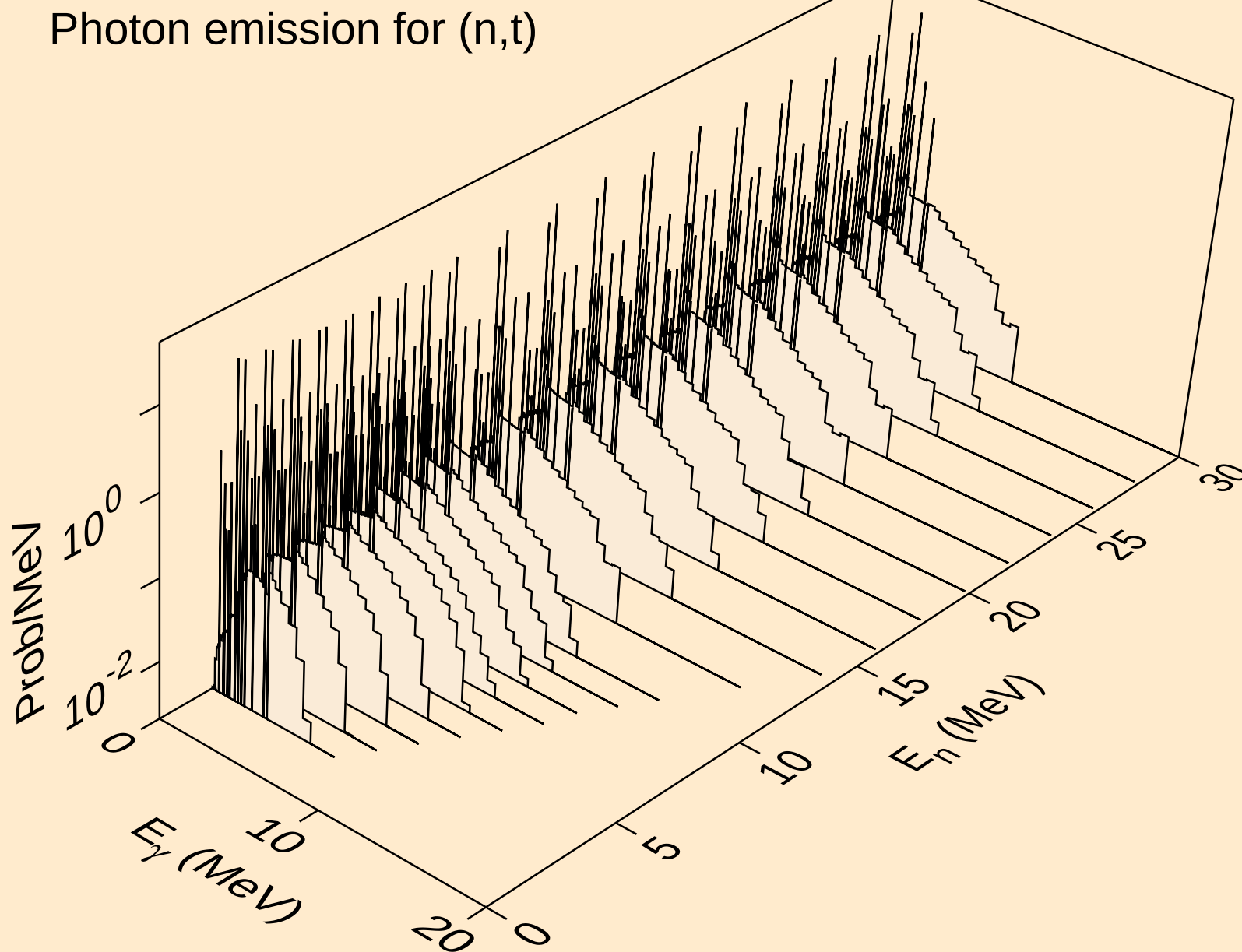


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Photon emission for (n,d)

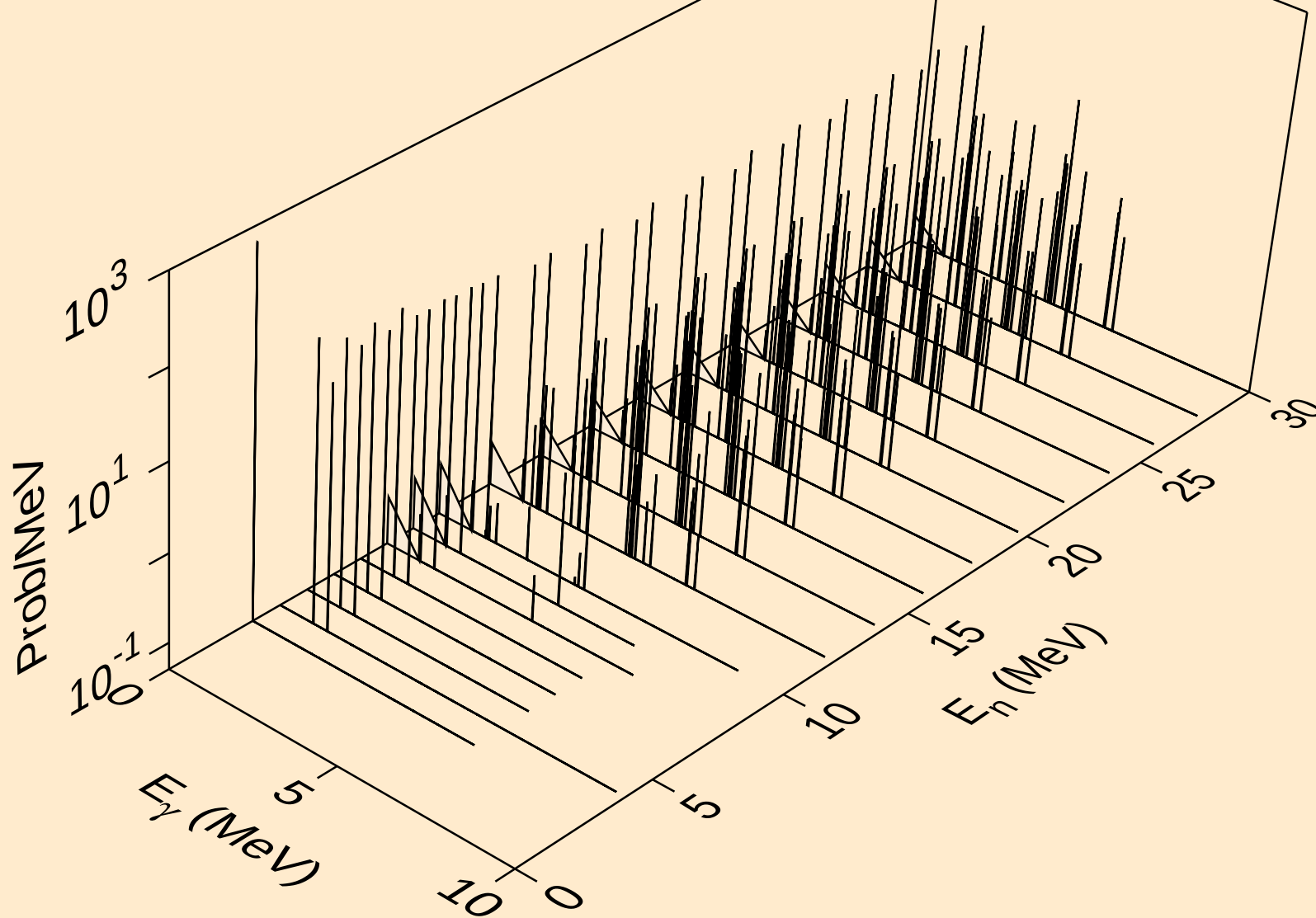


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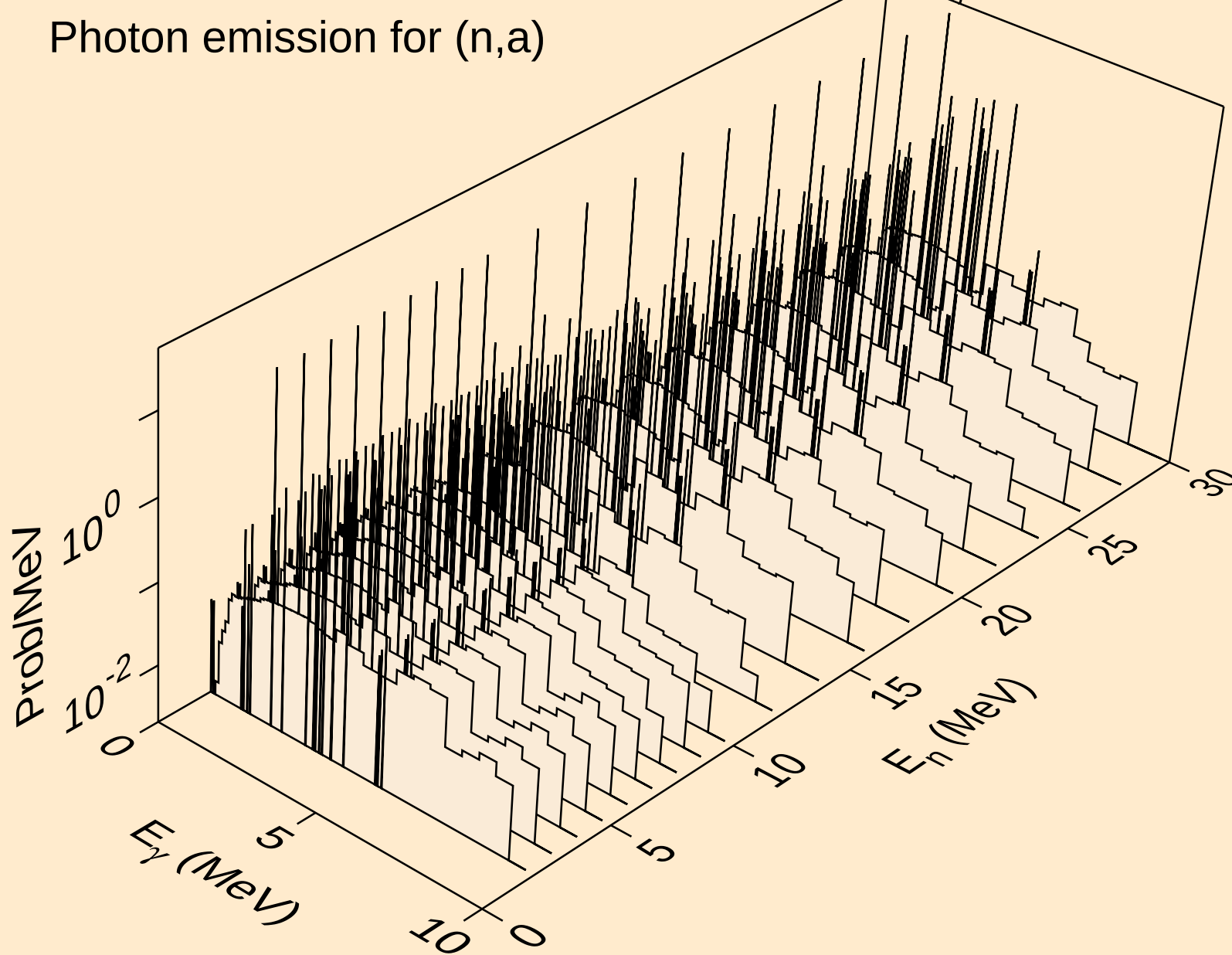
Photon emission for (n,t)



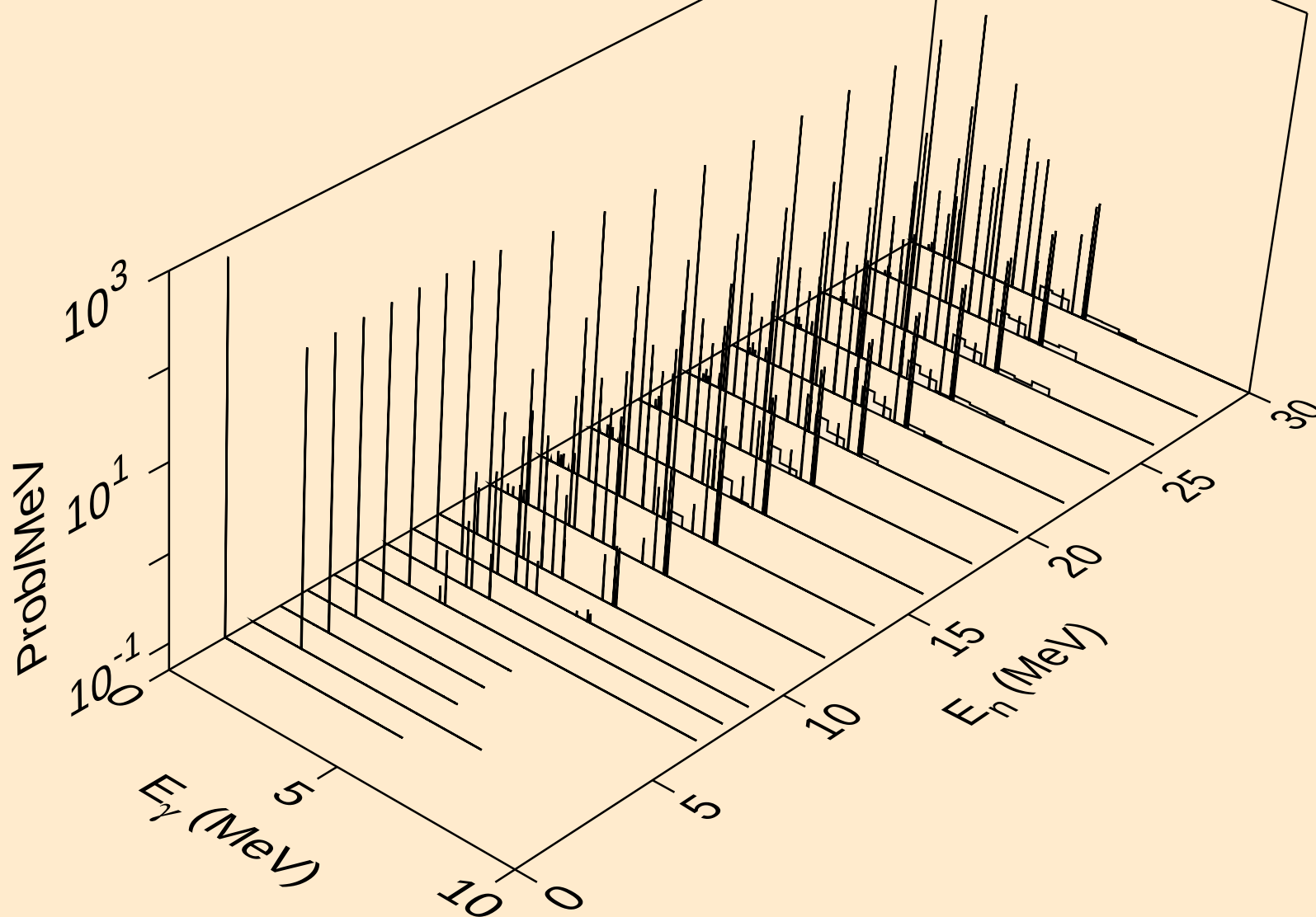
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Photon emission for inelastic



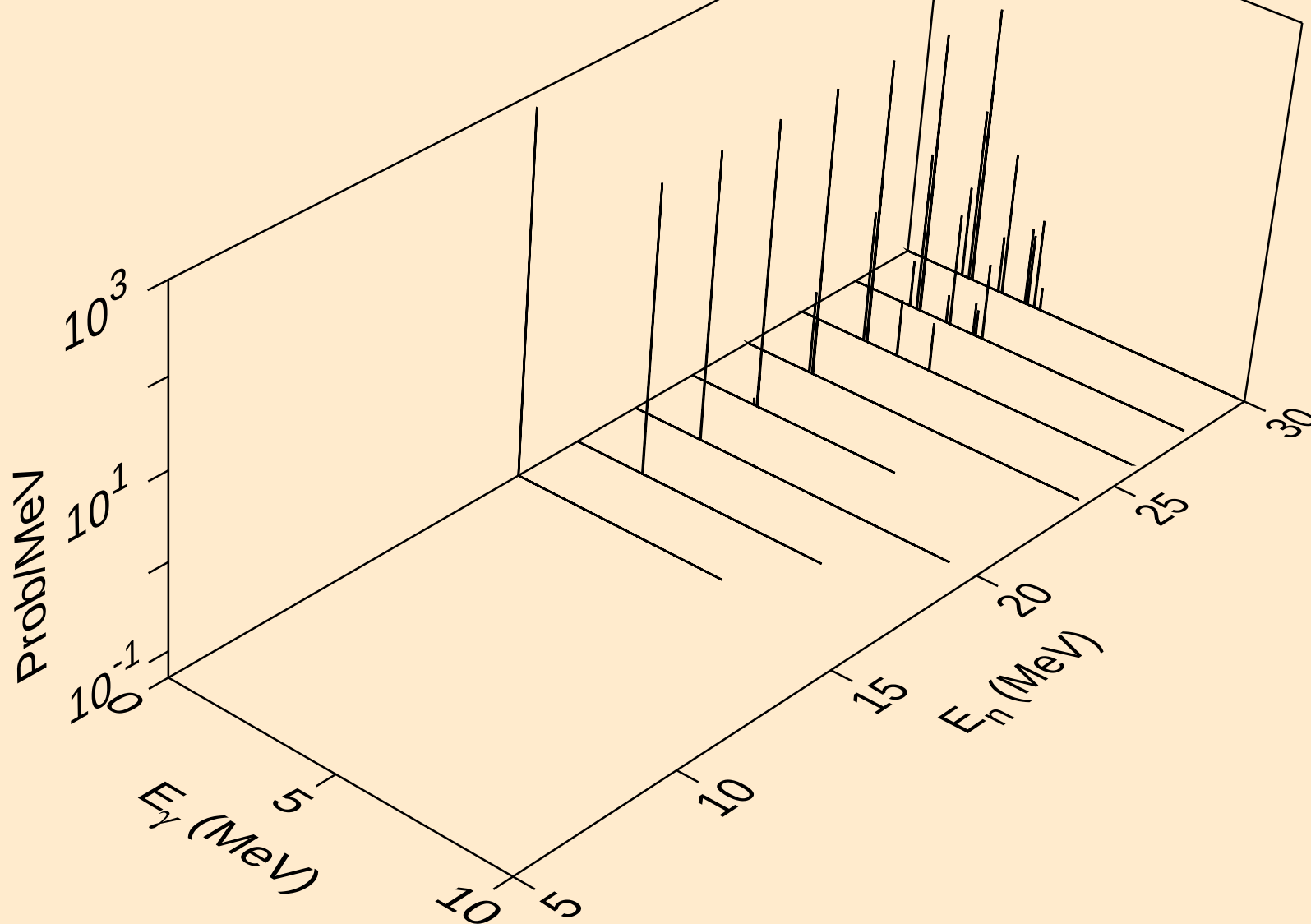
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Photon emission for (n,a)



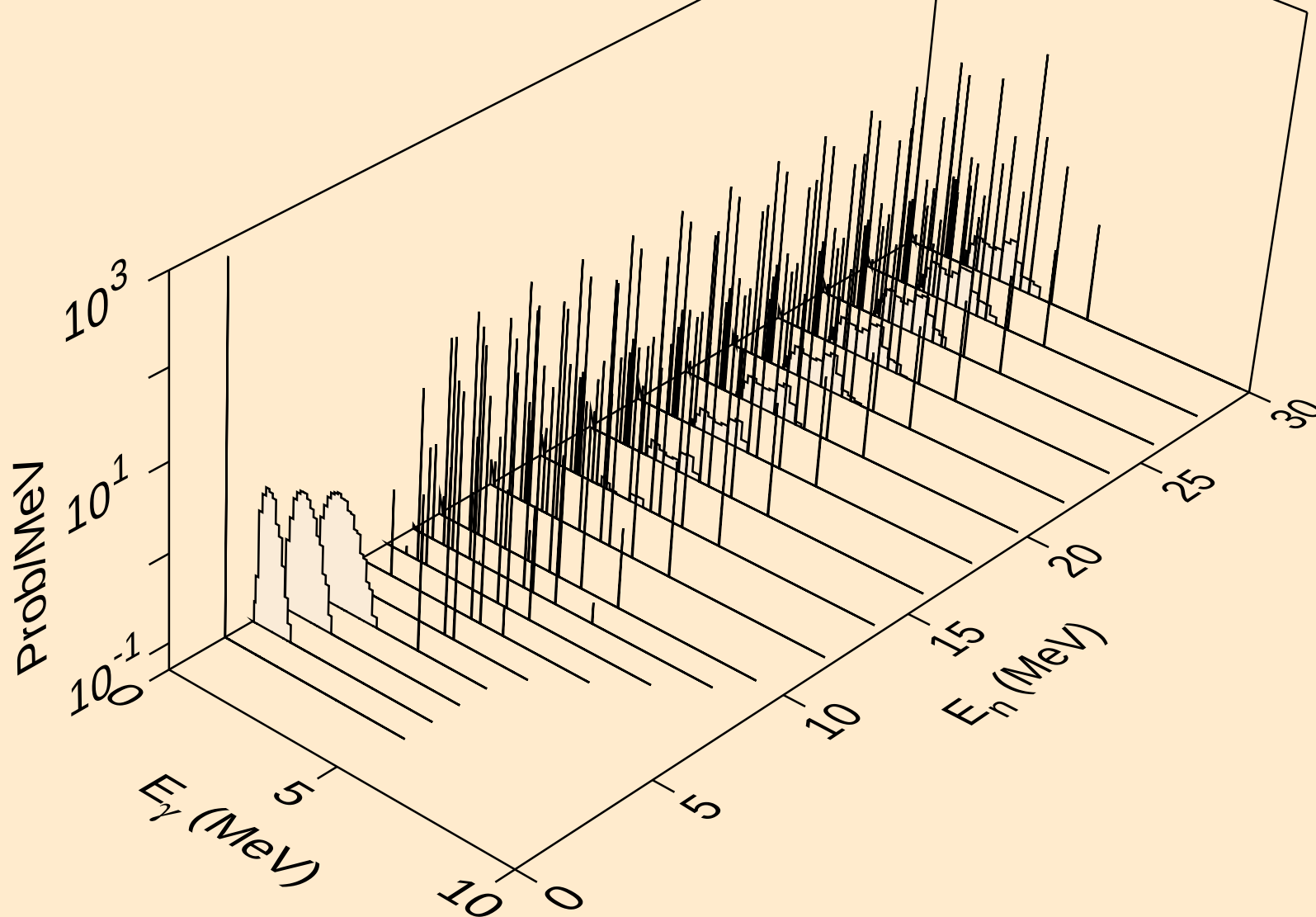
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Photon emission for (n,2a)



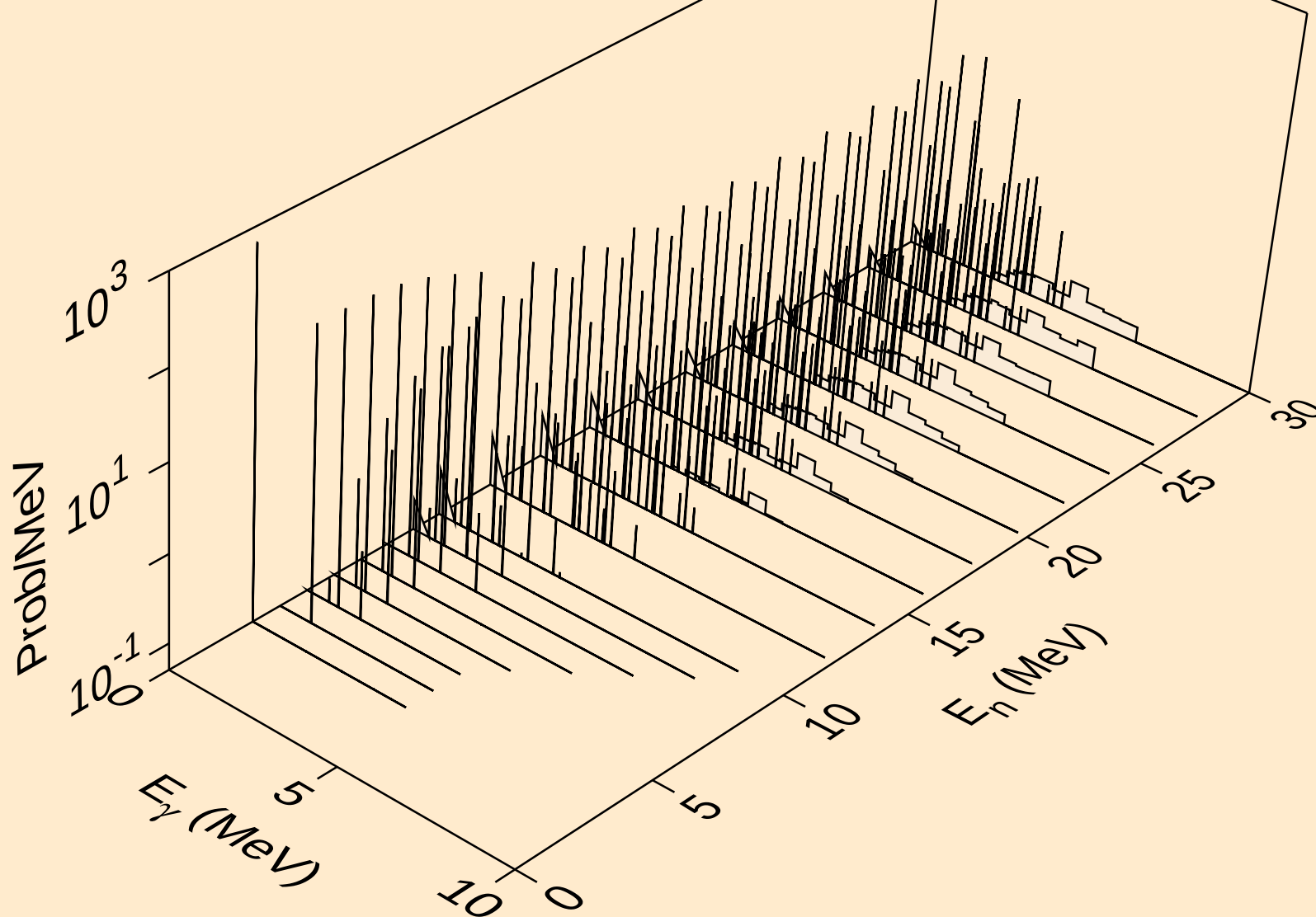
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Photon emission for (n,3a)



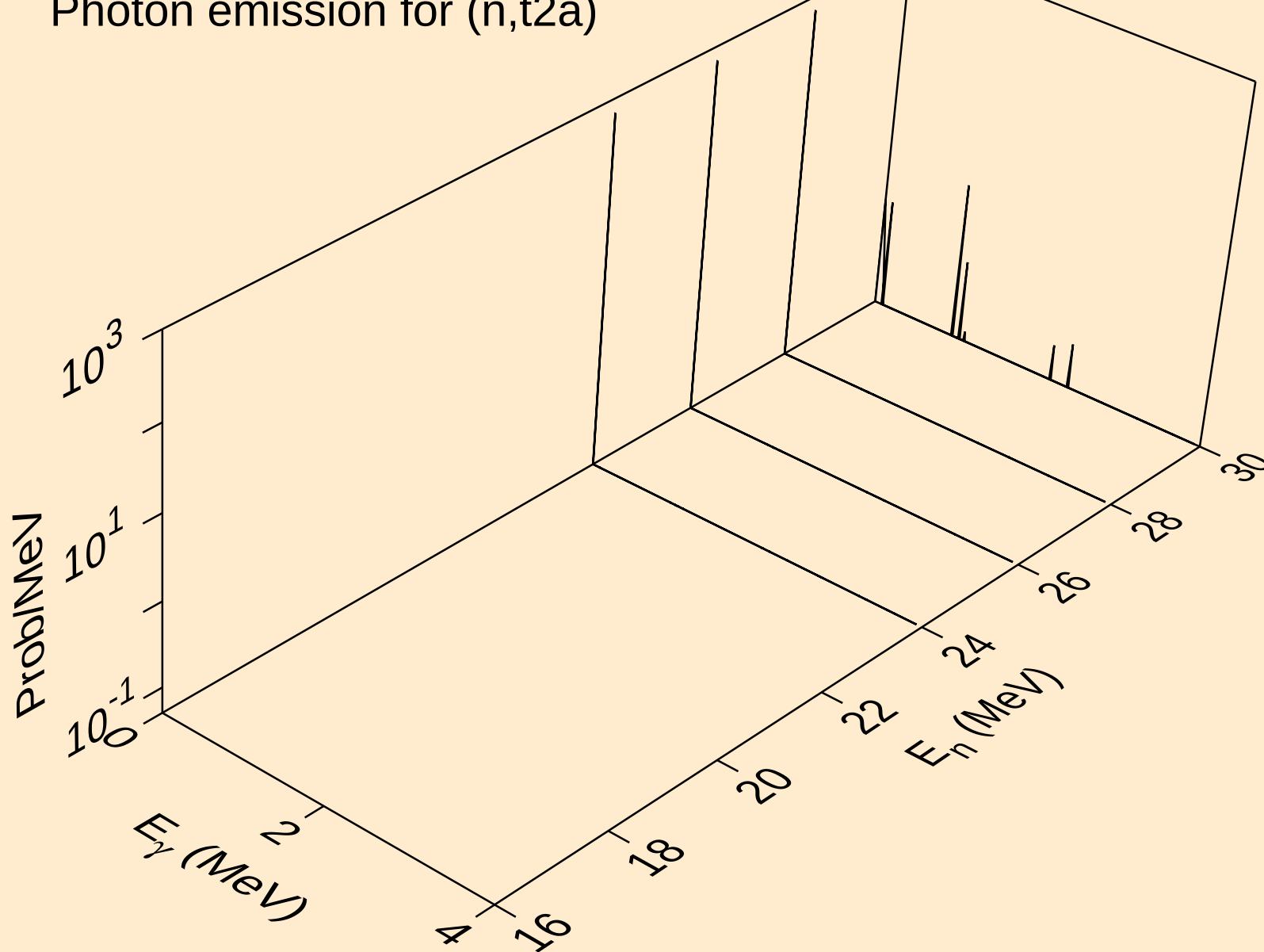
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Photon emission for (n,2p)



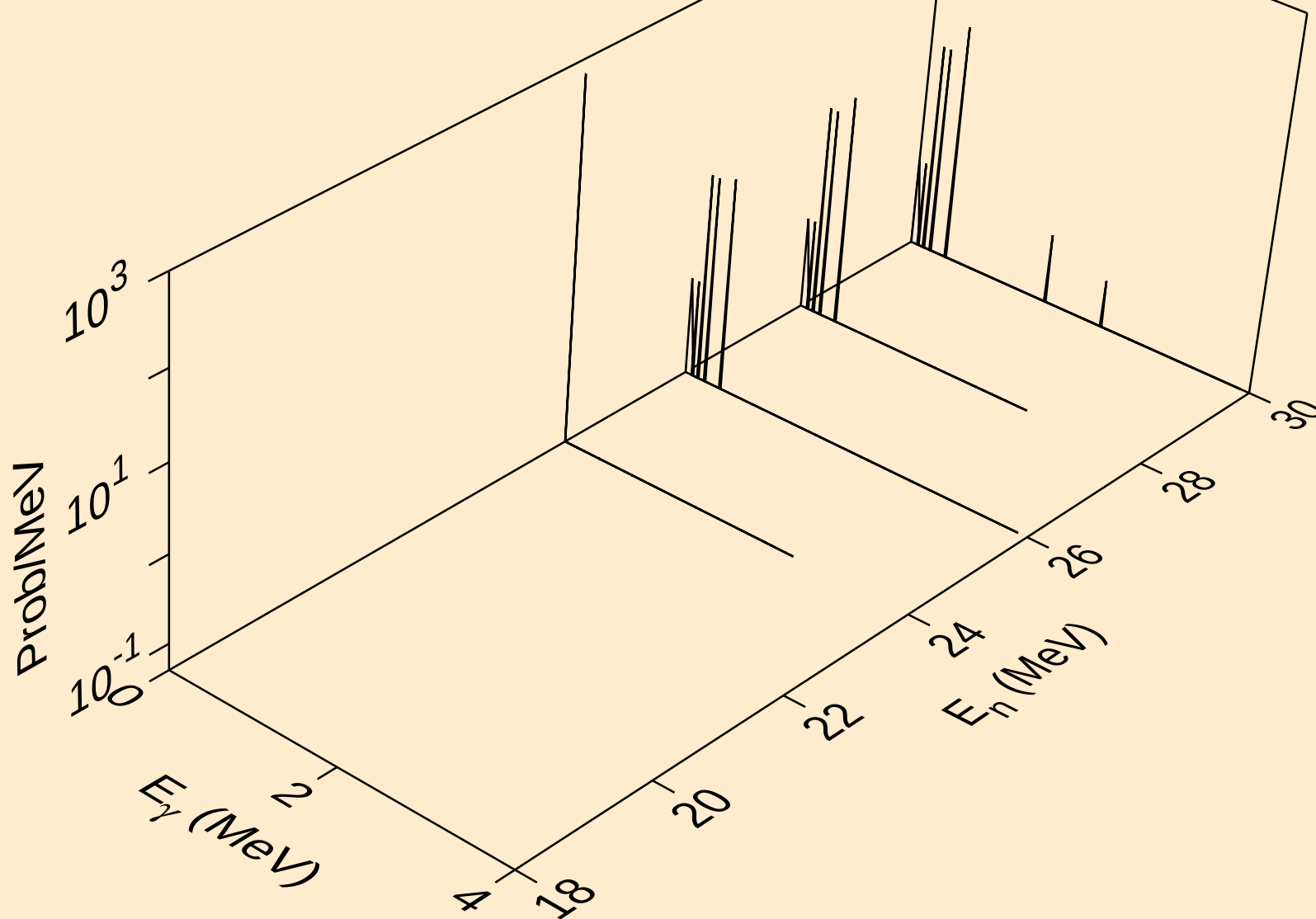
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Photon emission for (n,p $\alpha$ )



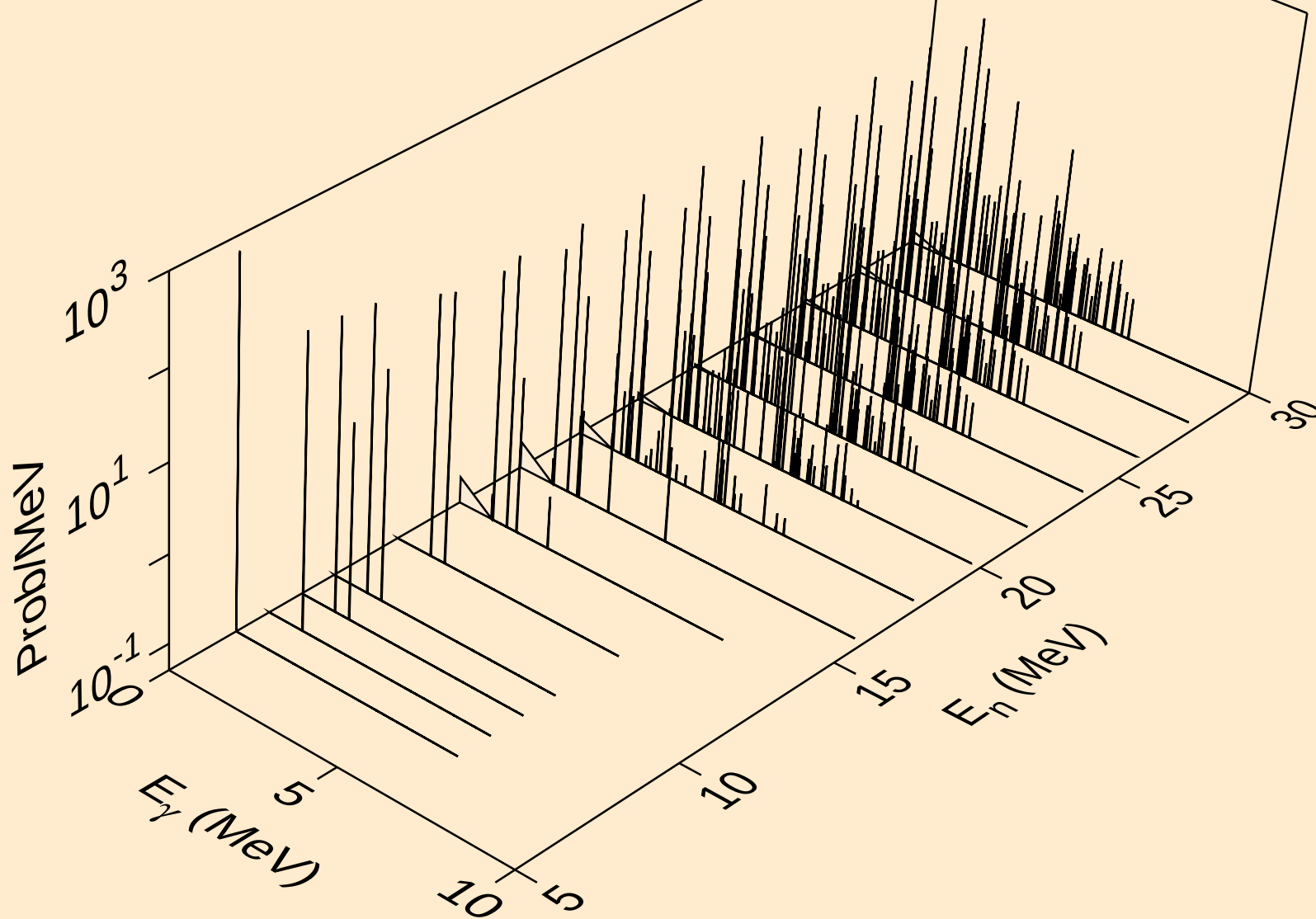
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Photon emission for (n,t2a)



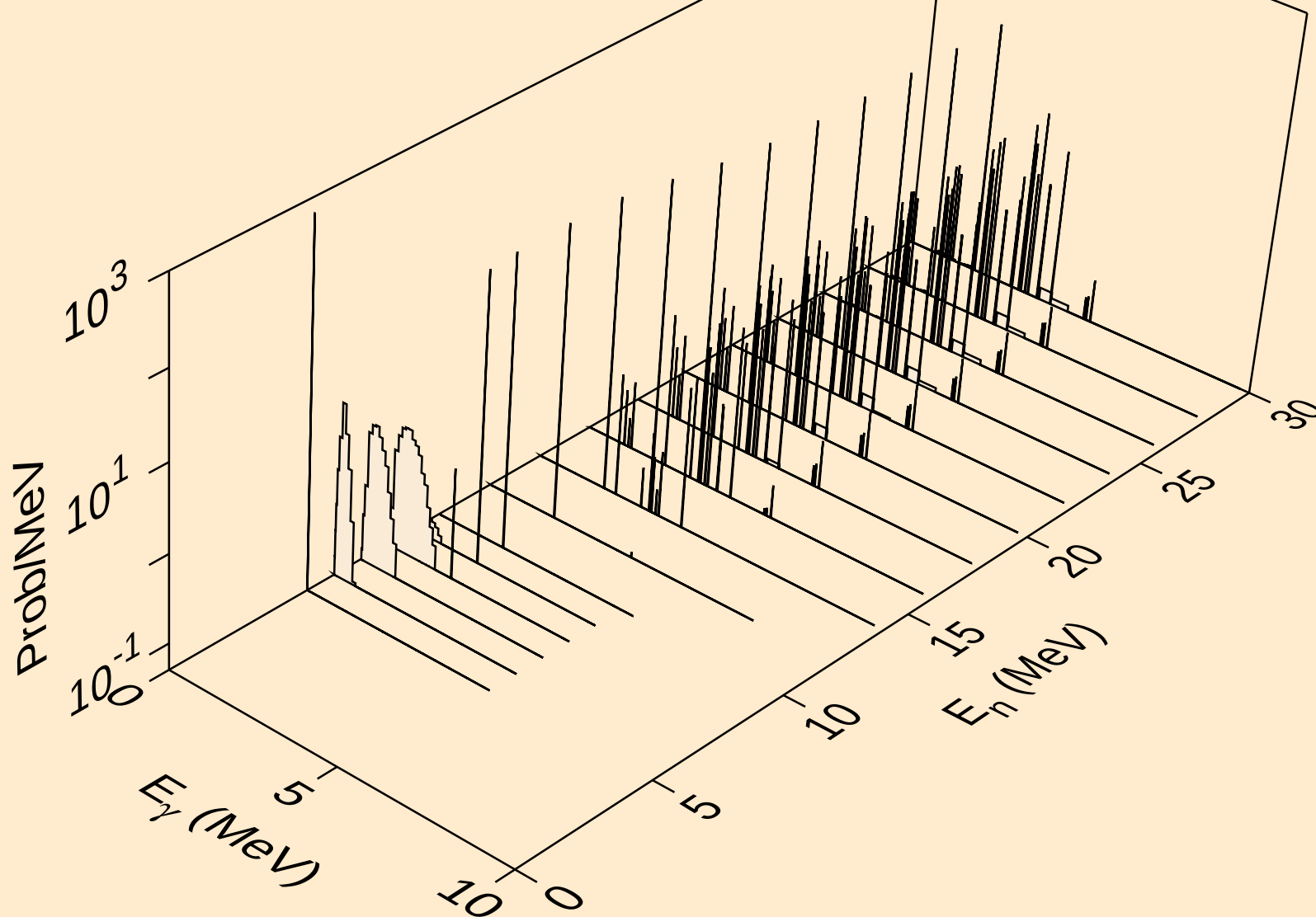
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Photon emission for (n,d2a)



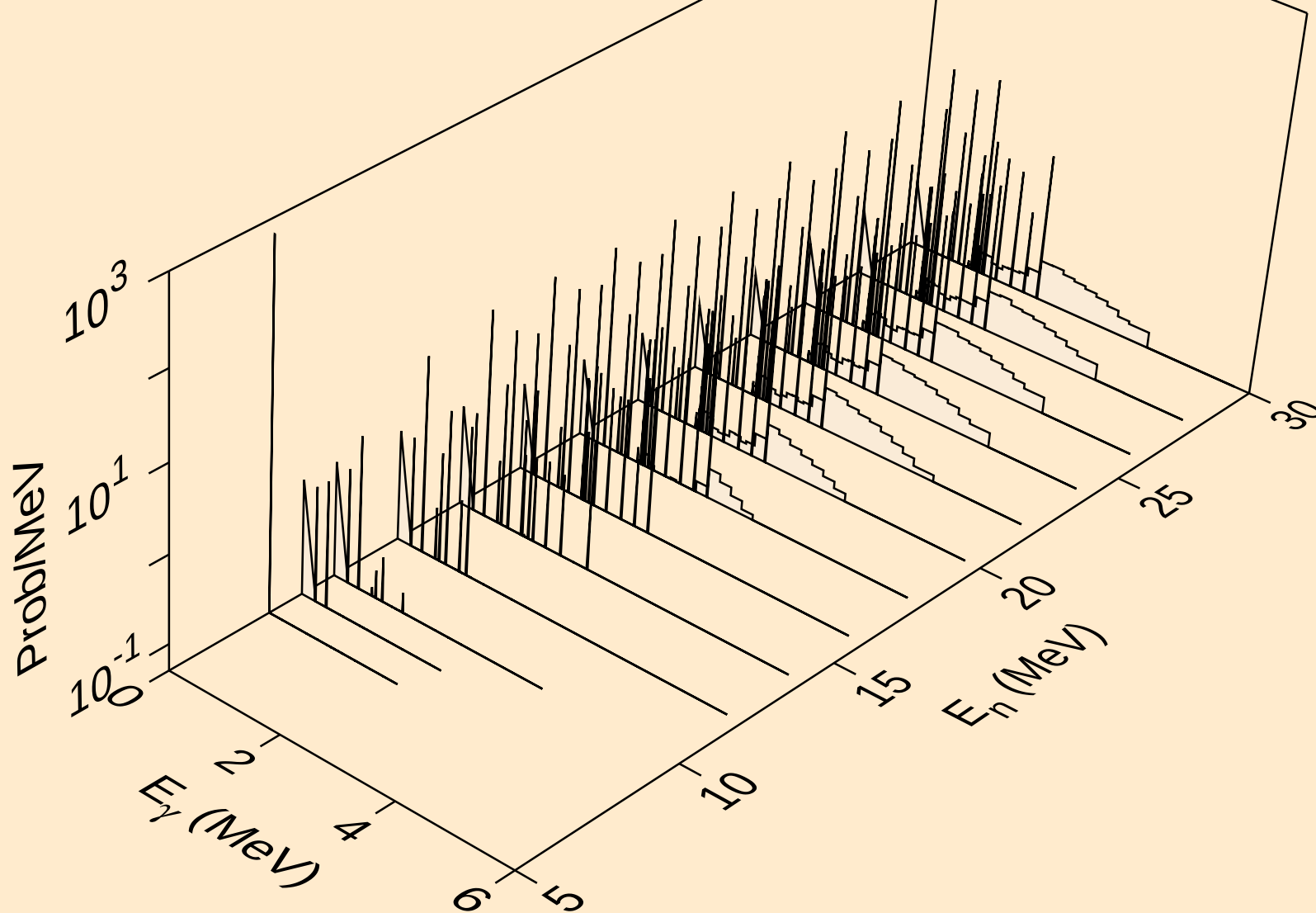
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Photon emission for (n,pd)



SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)

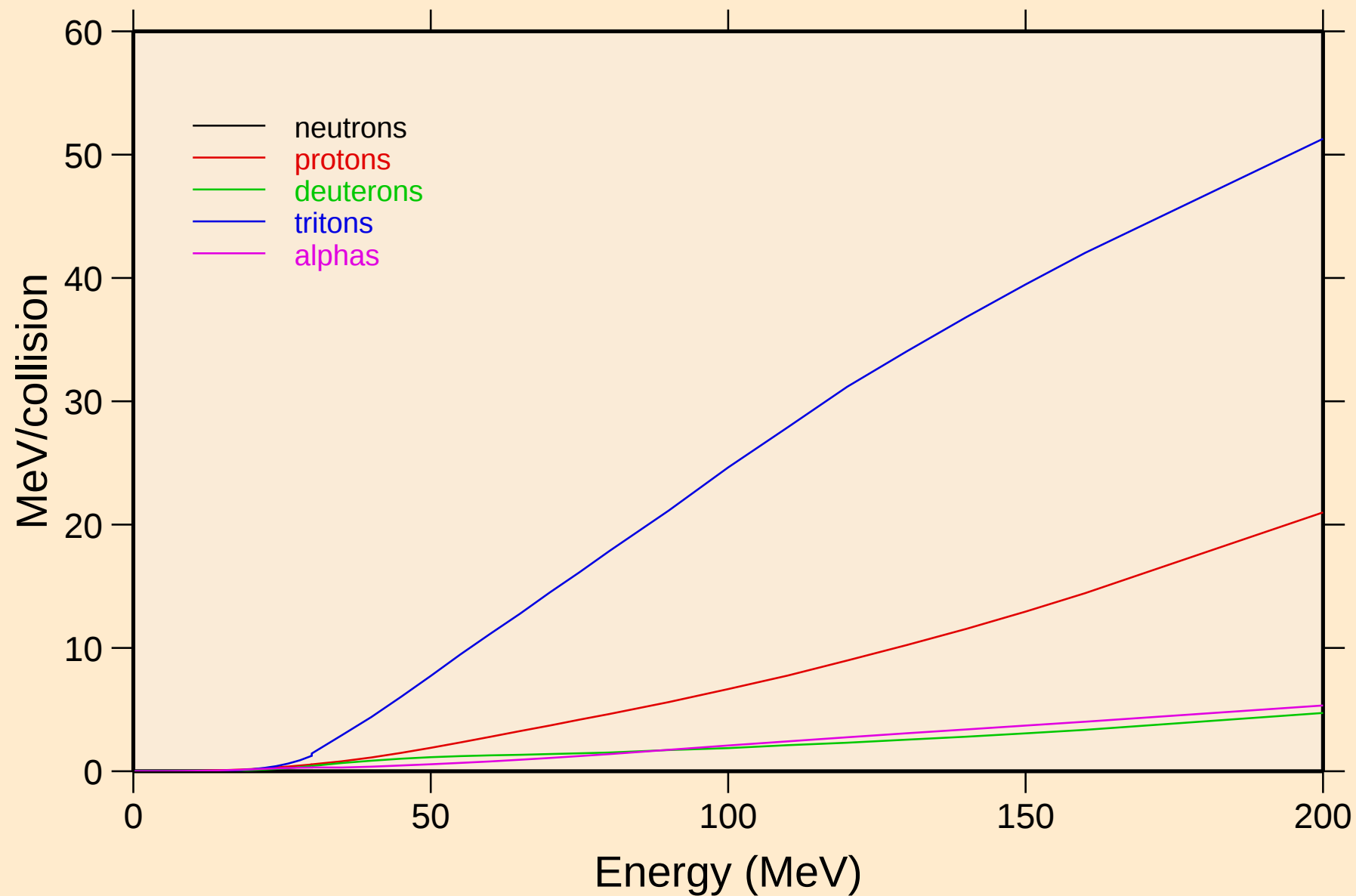


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Photon emission for (n,da)



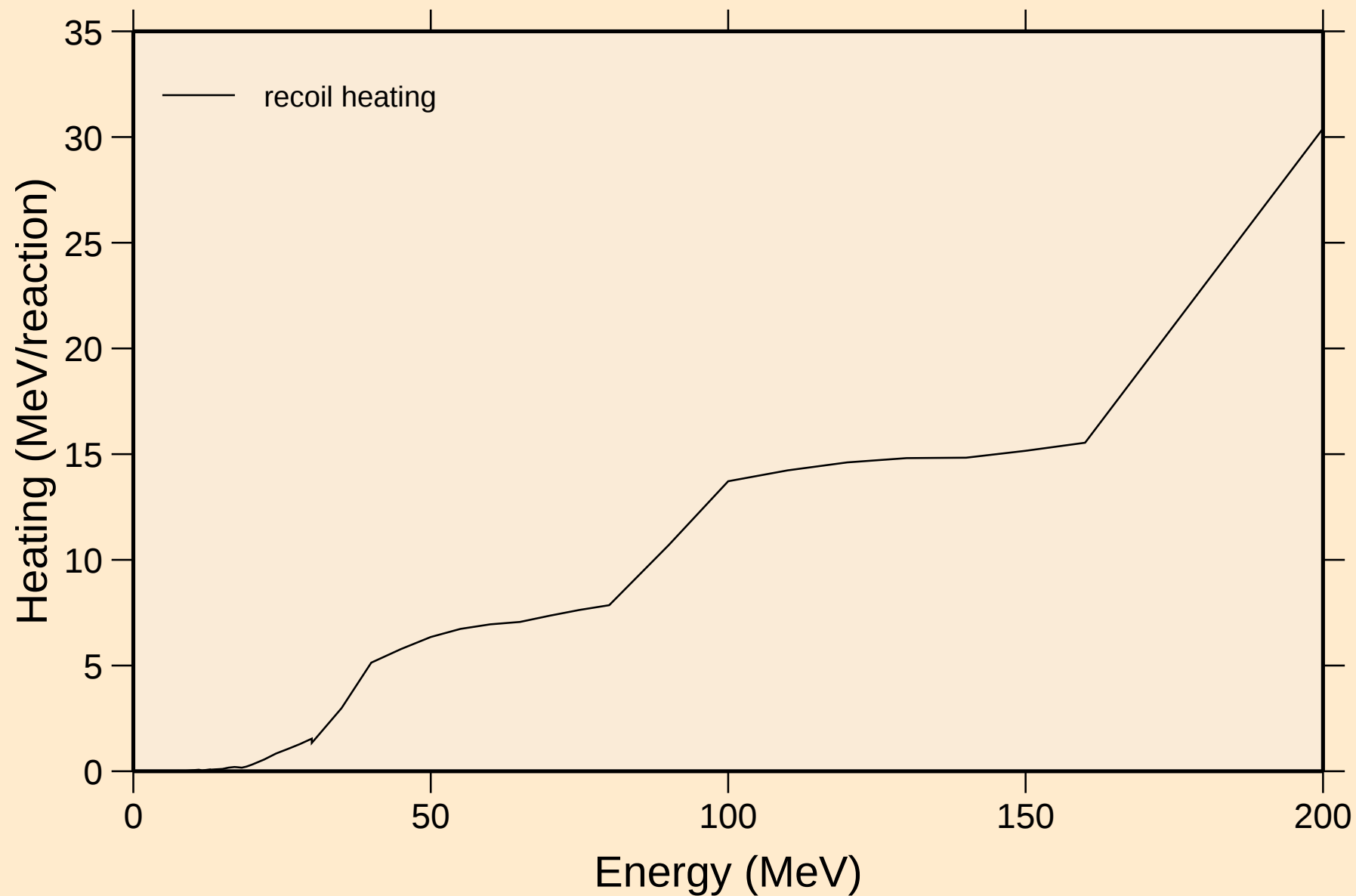
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## Particle heating contributions



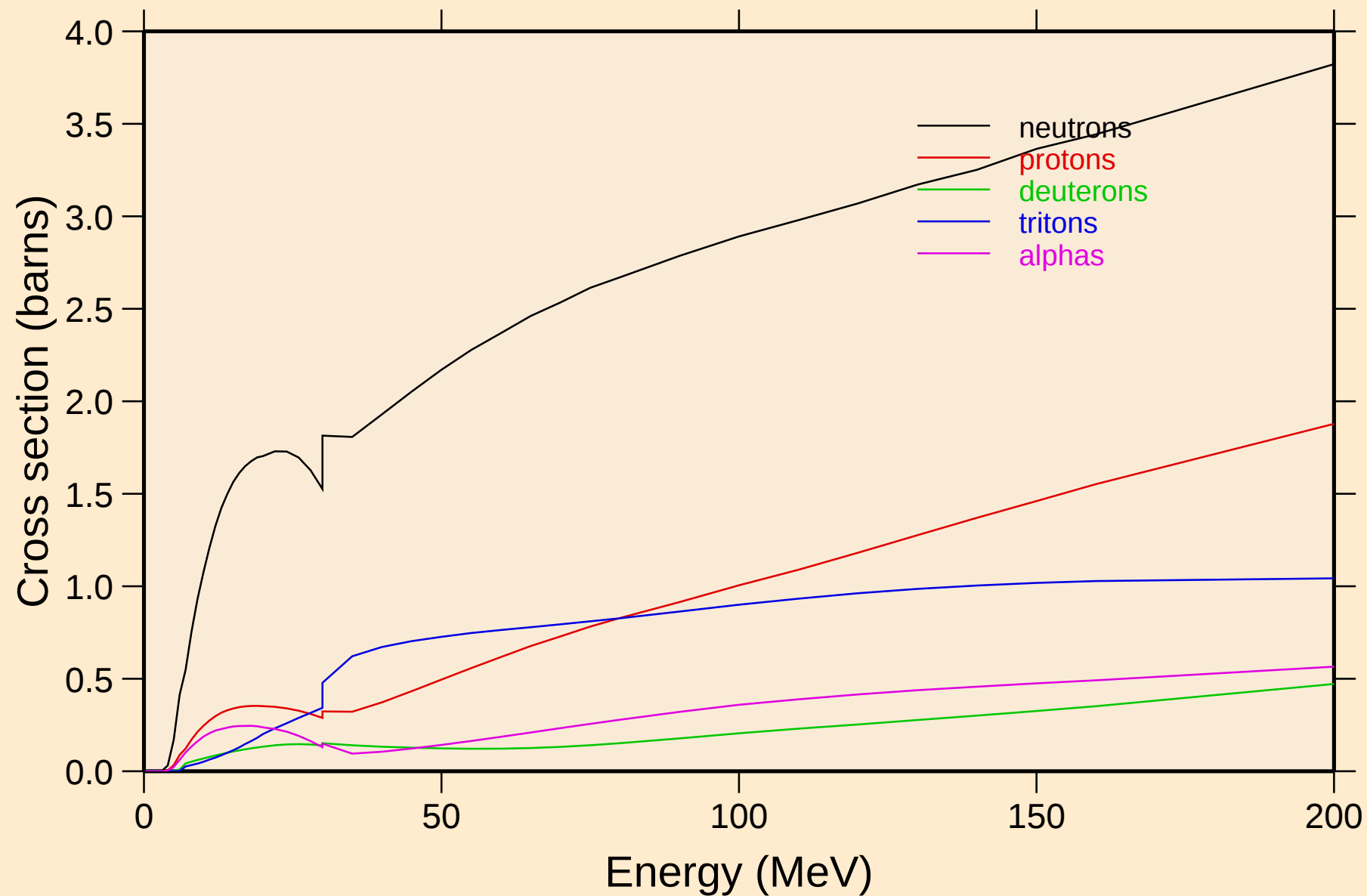
SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K

## Recoil Heating

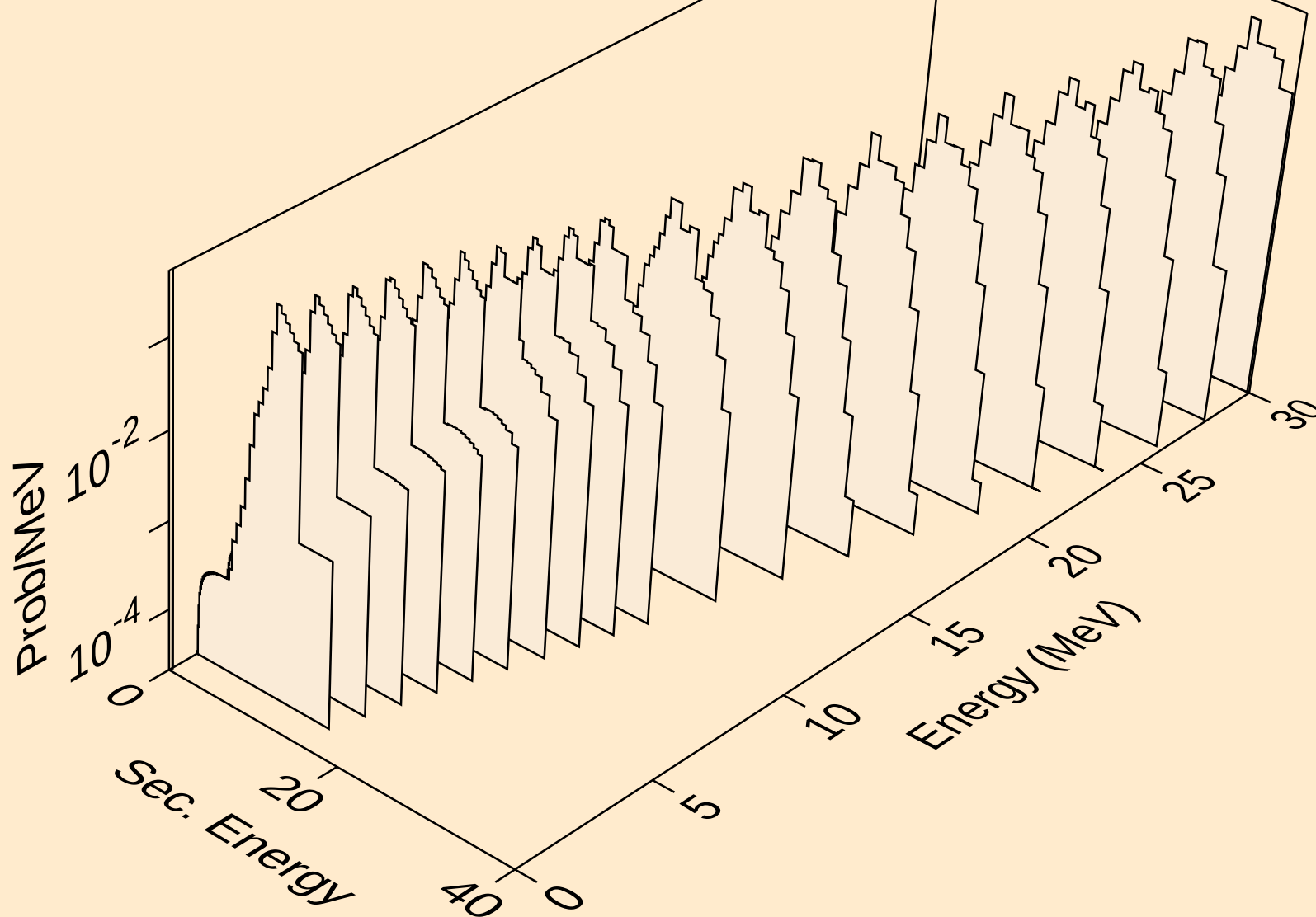


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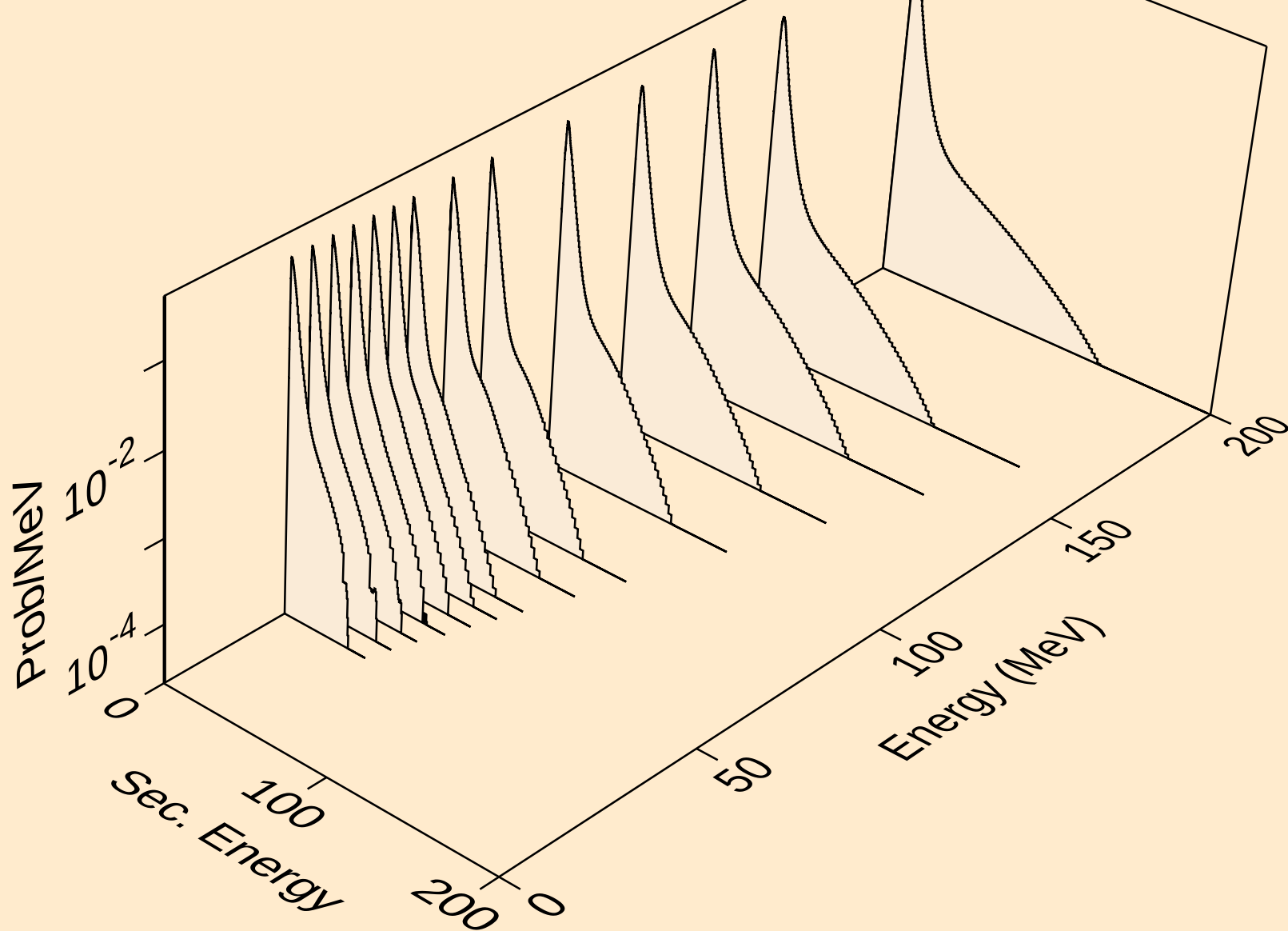
## Particle production cross sections



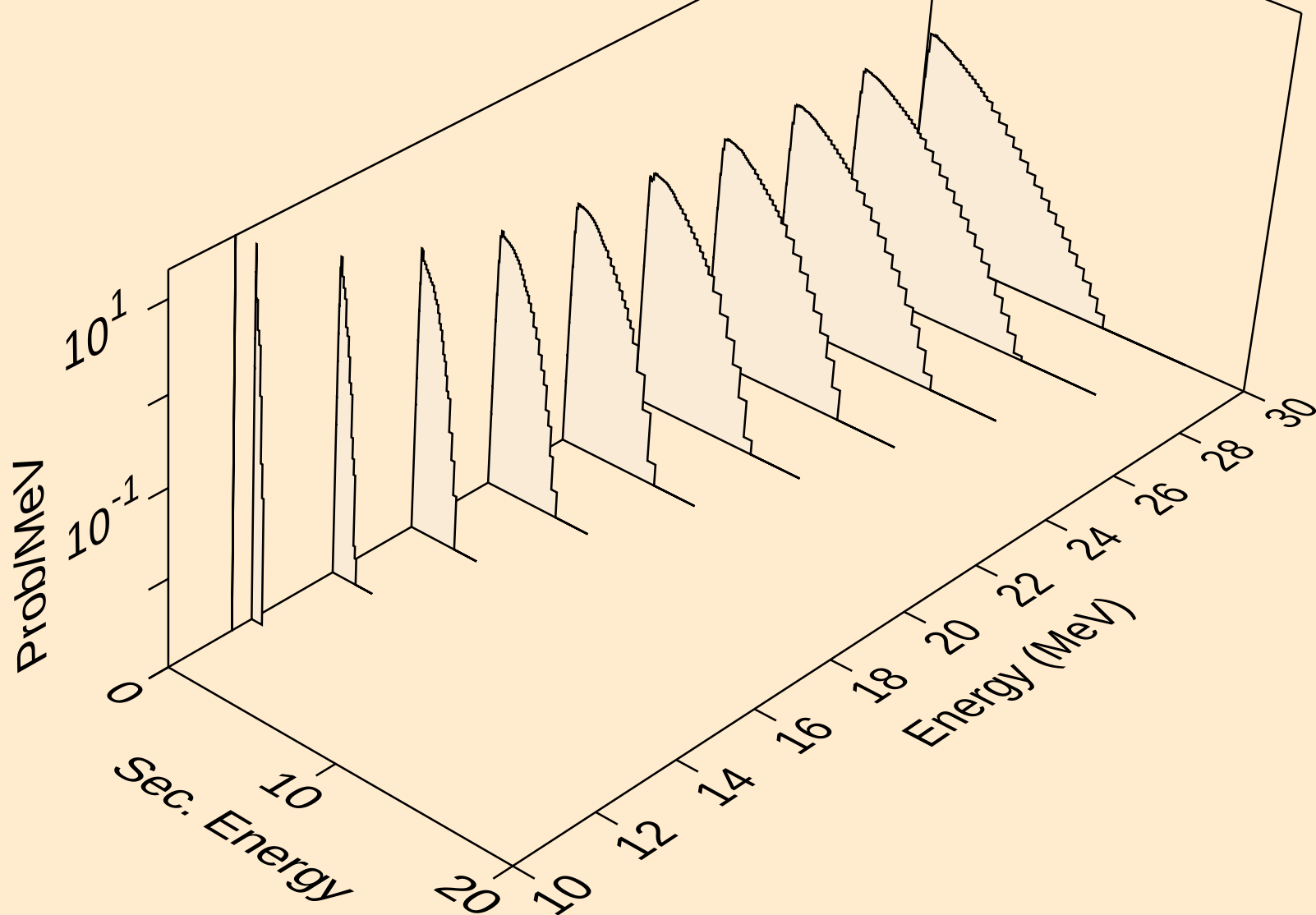
SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n)



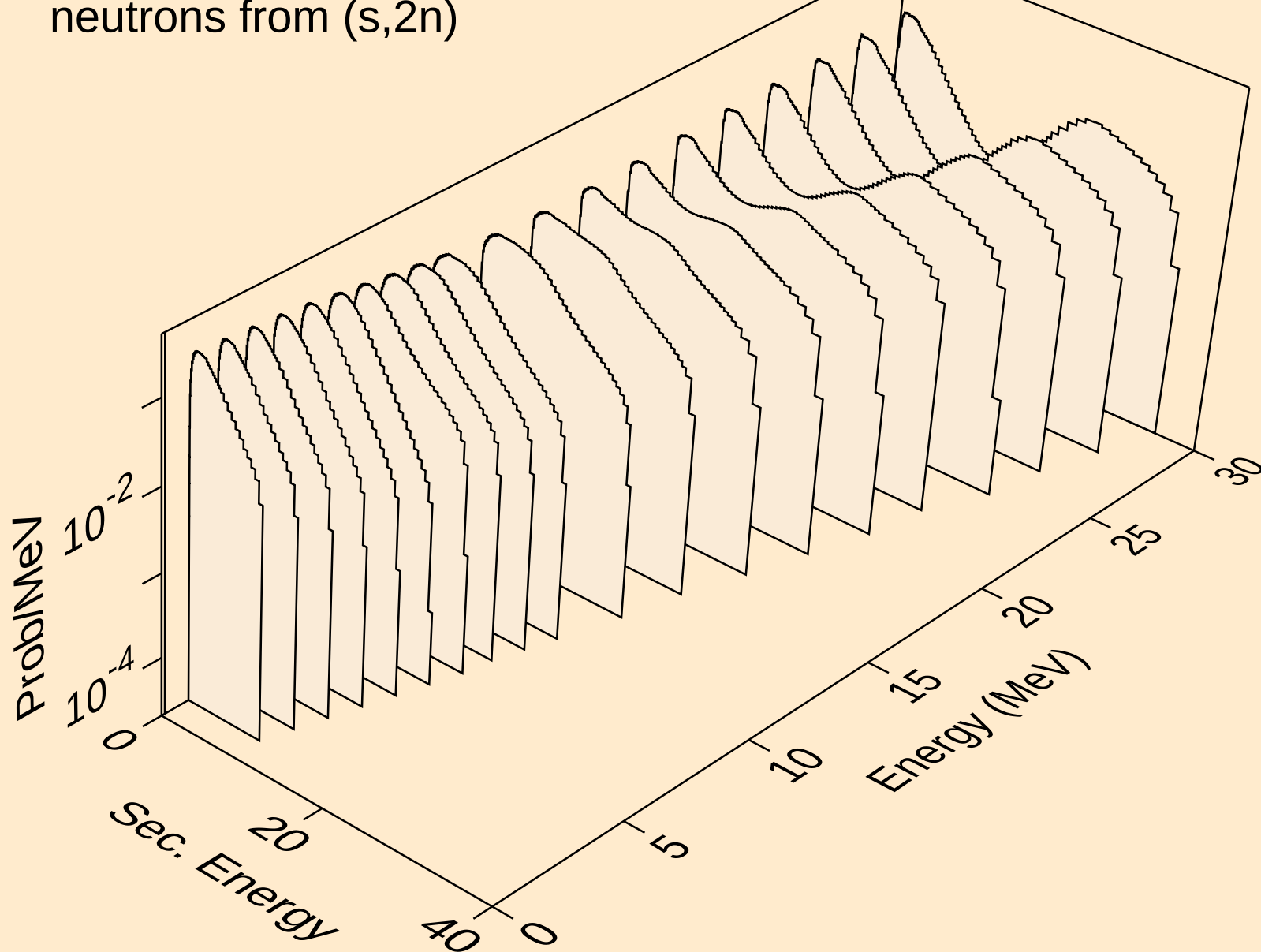
SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,x)



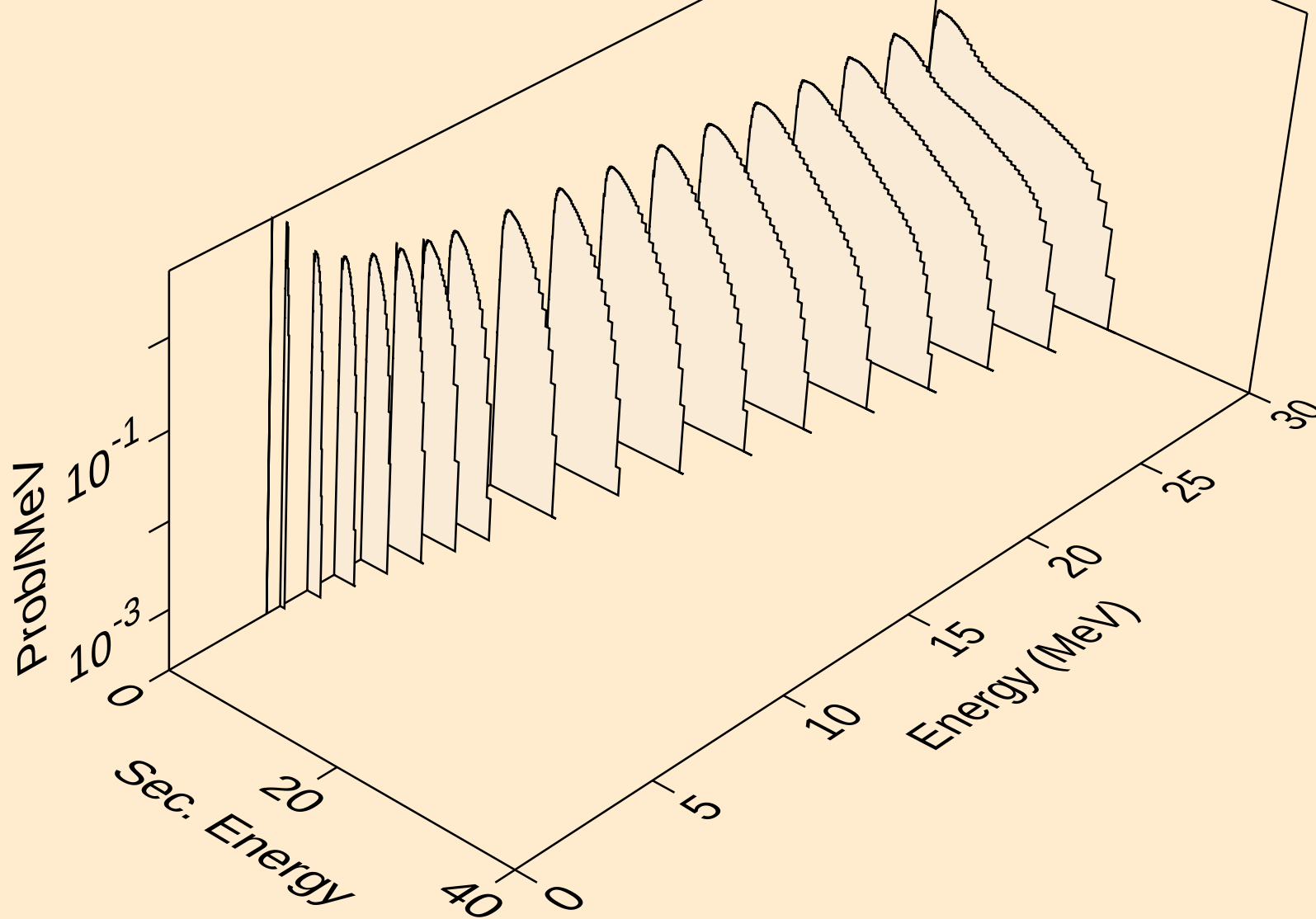
SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,2nd)



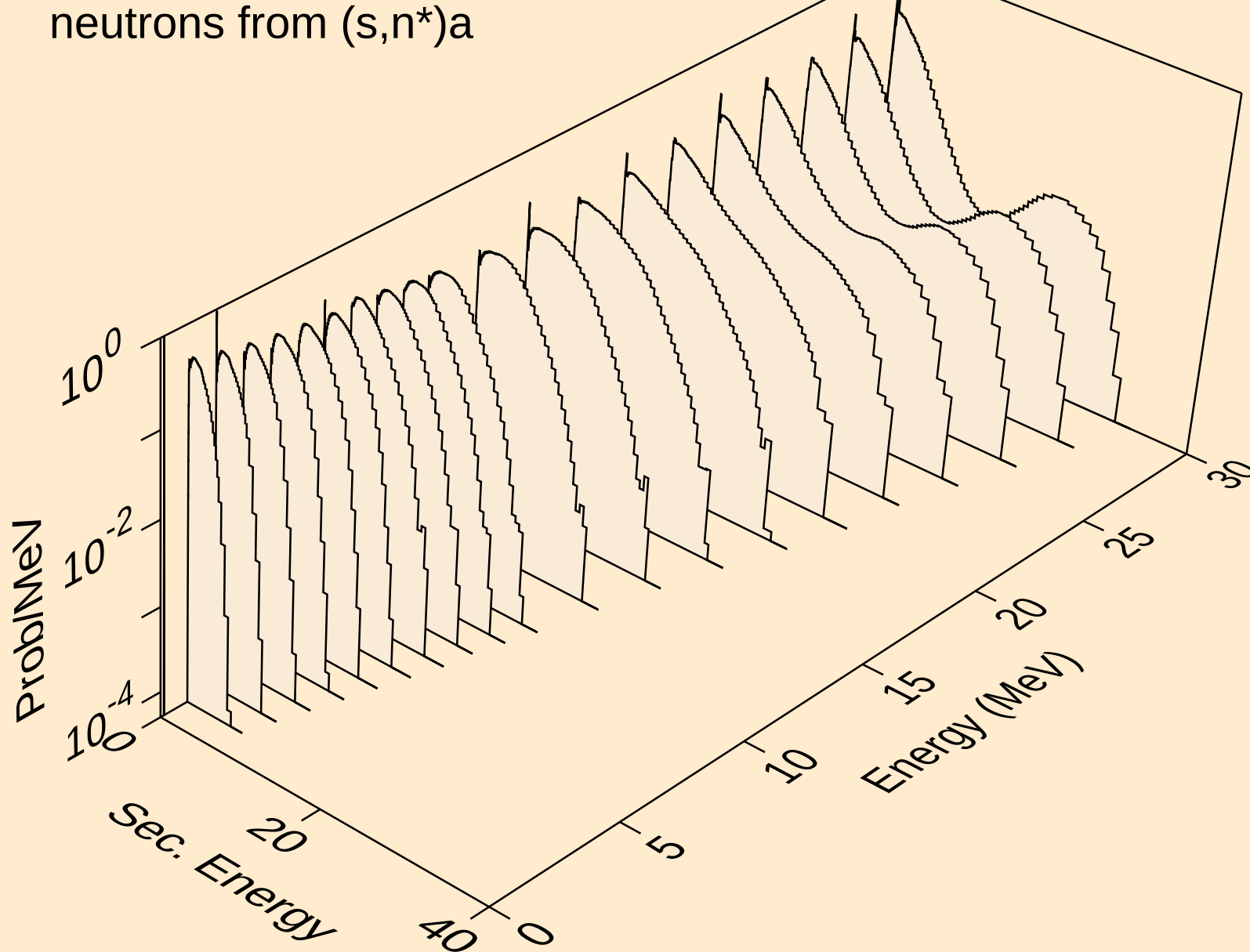
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neutrons from (s,2n)



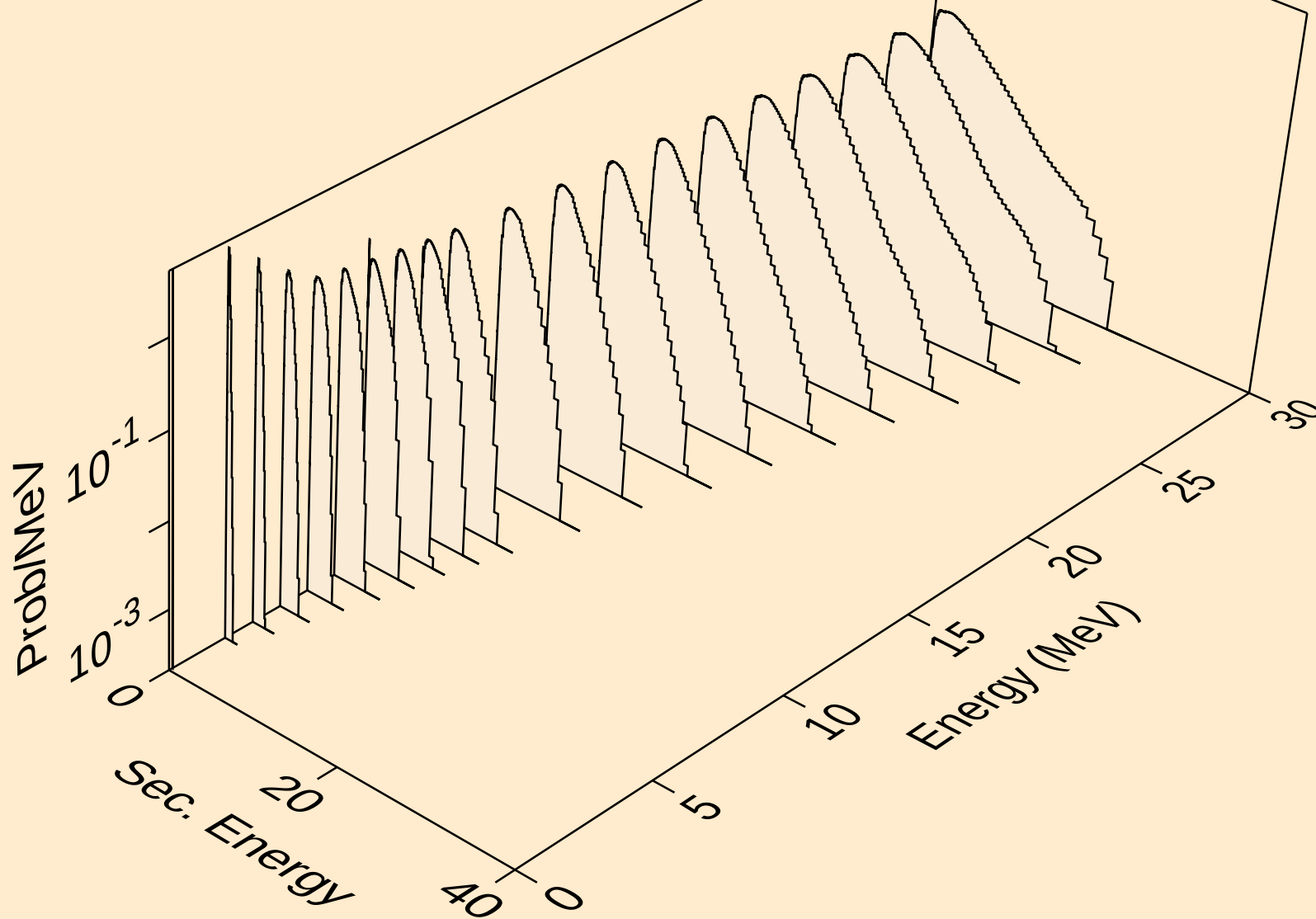
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neutrons from (s,3n)



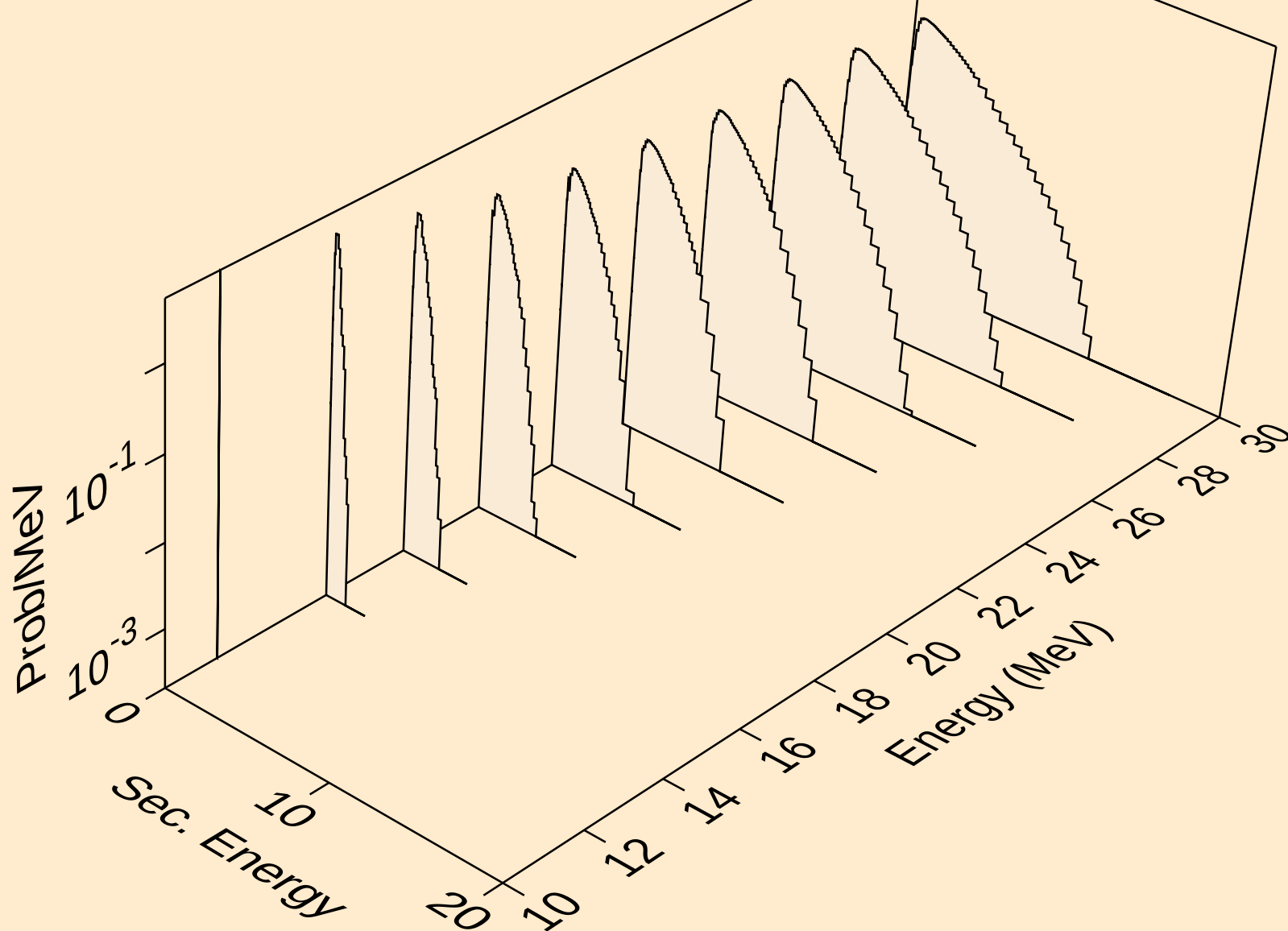
SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)a



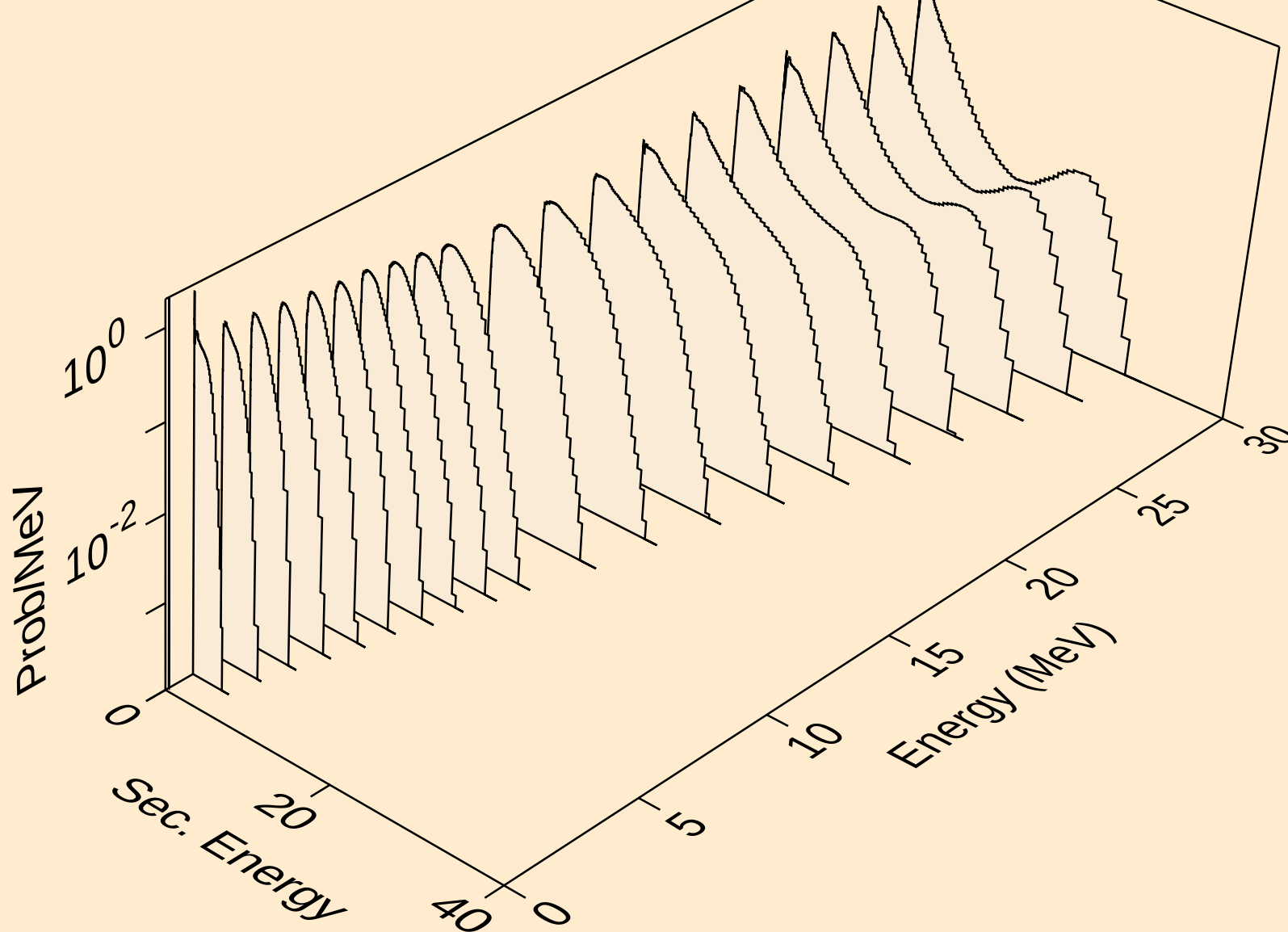
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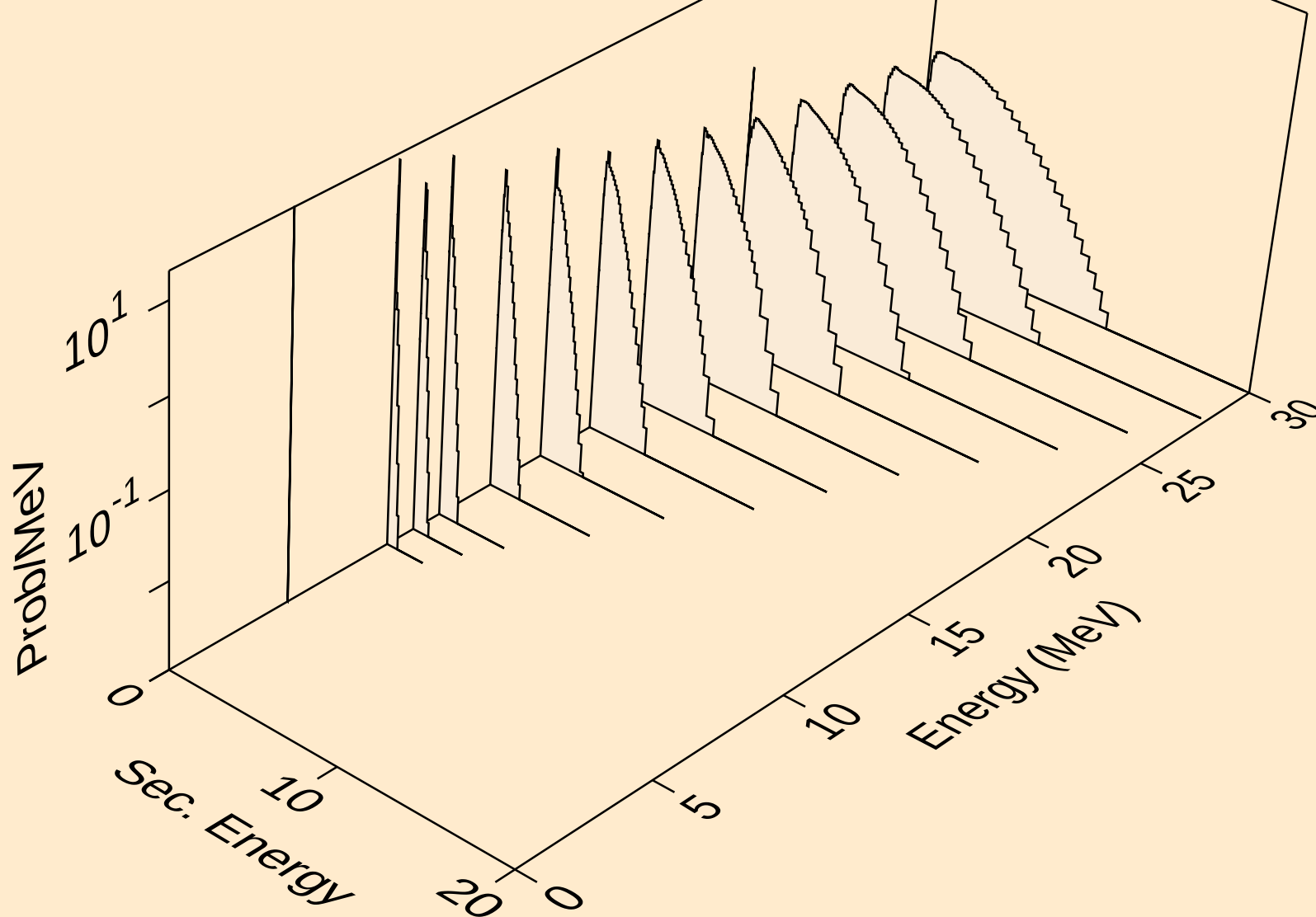
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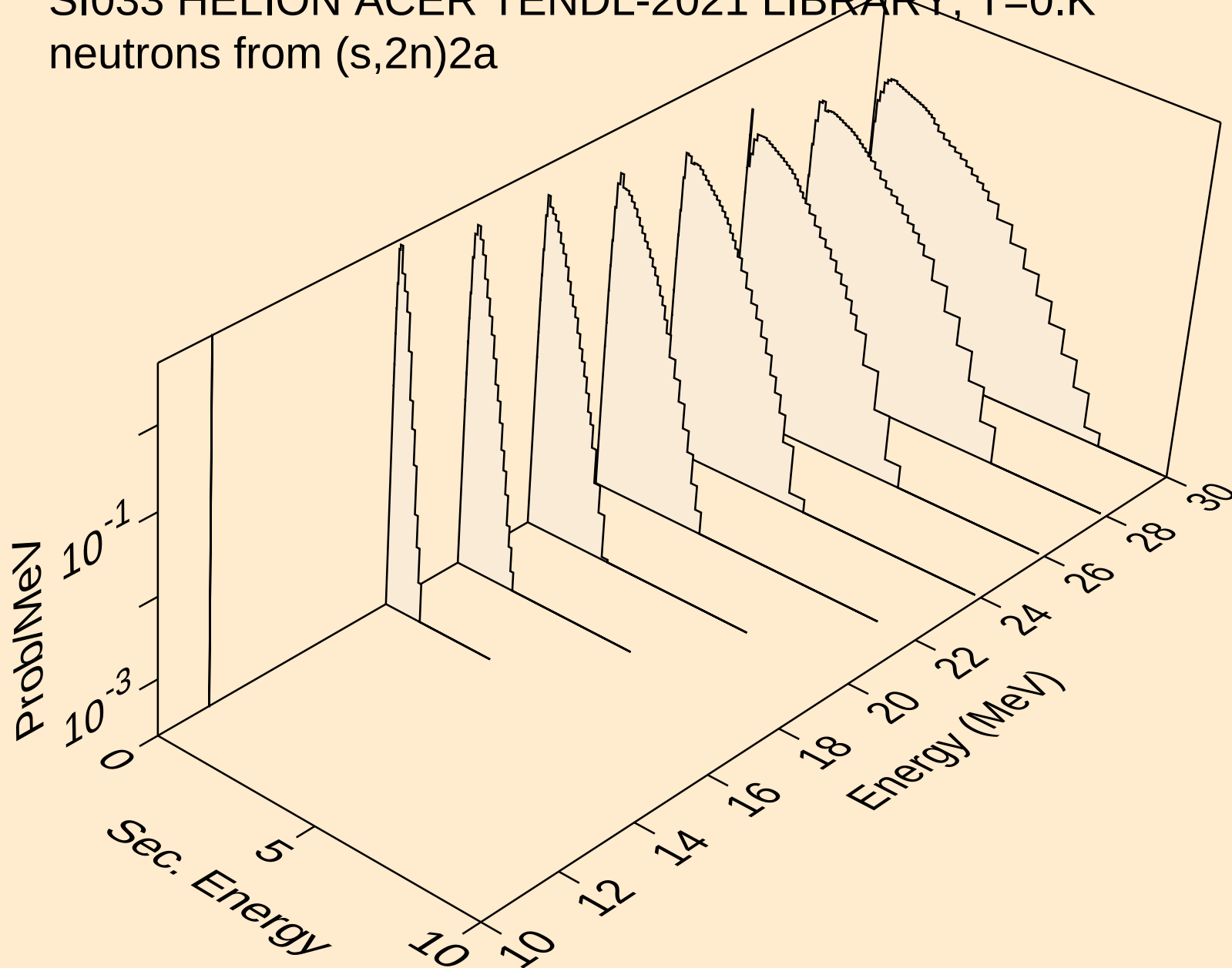
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neutrons from (s,n\*)p



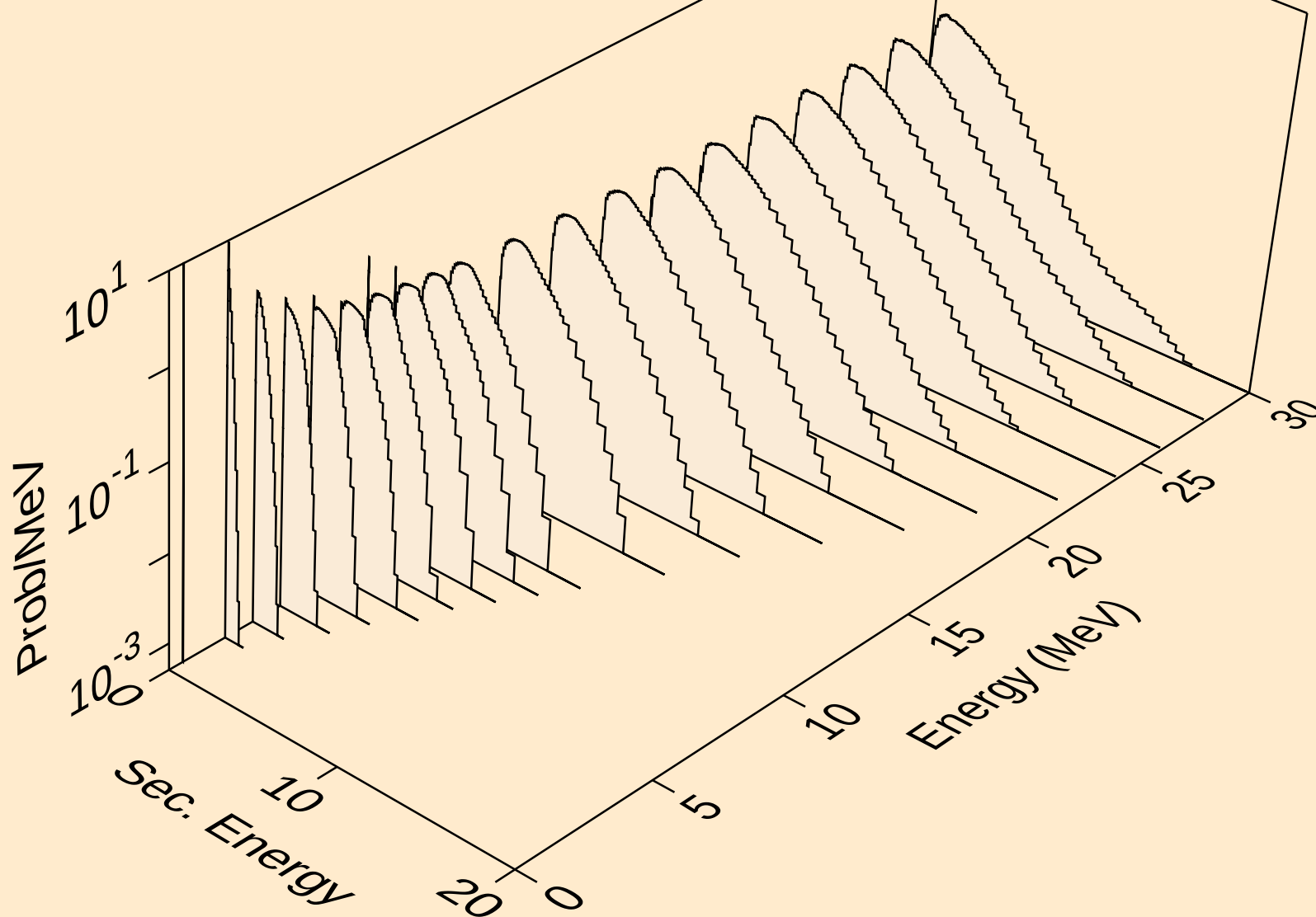
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neutrons from (s,n\*)2a



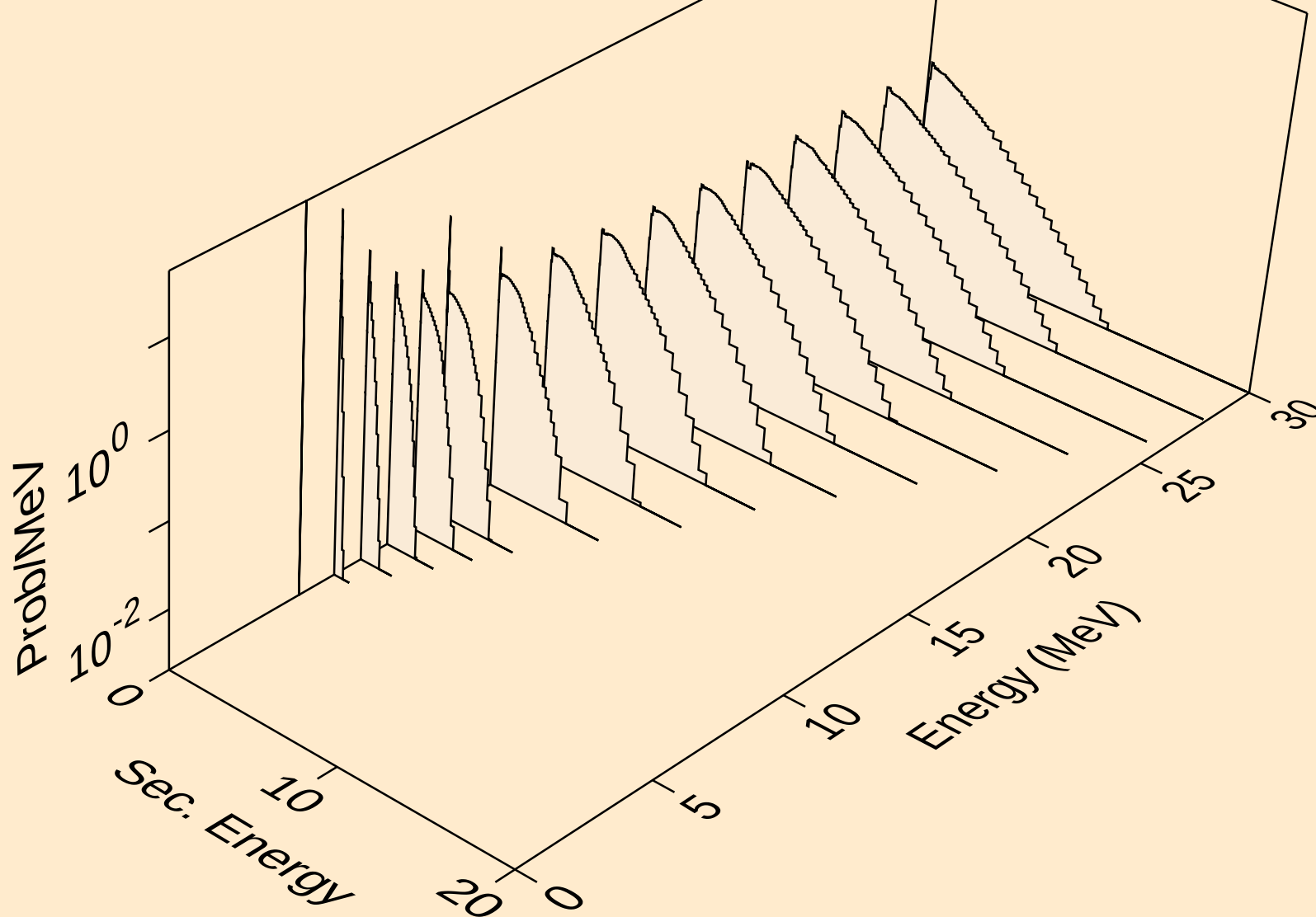
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neutrons from (s,2n)2a



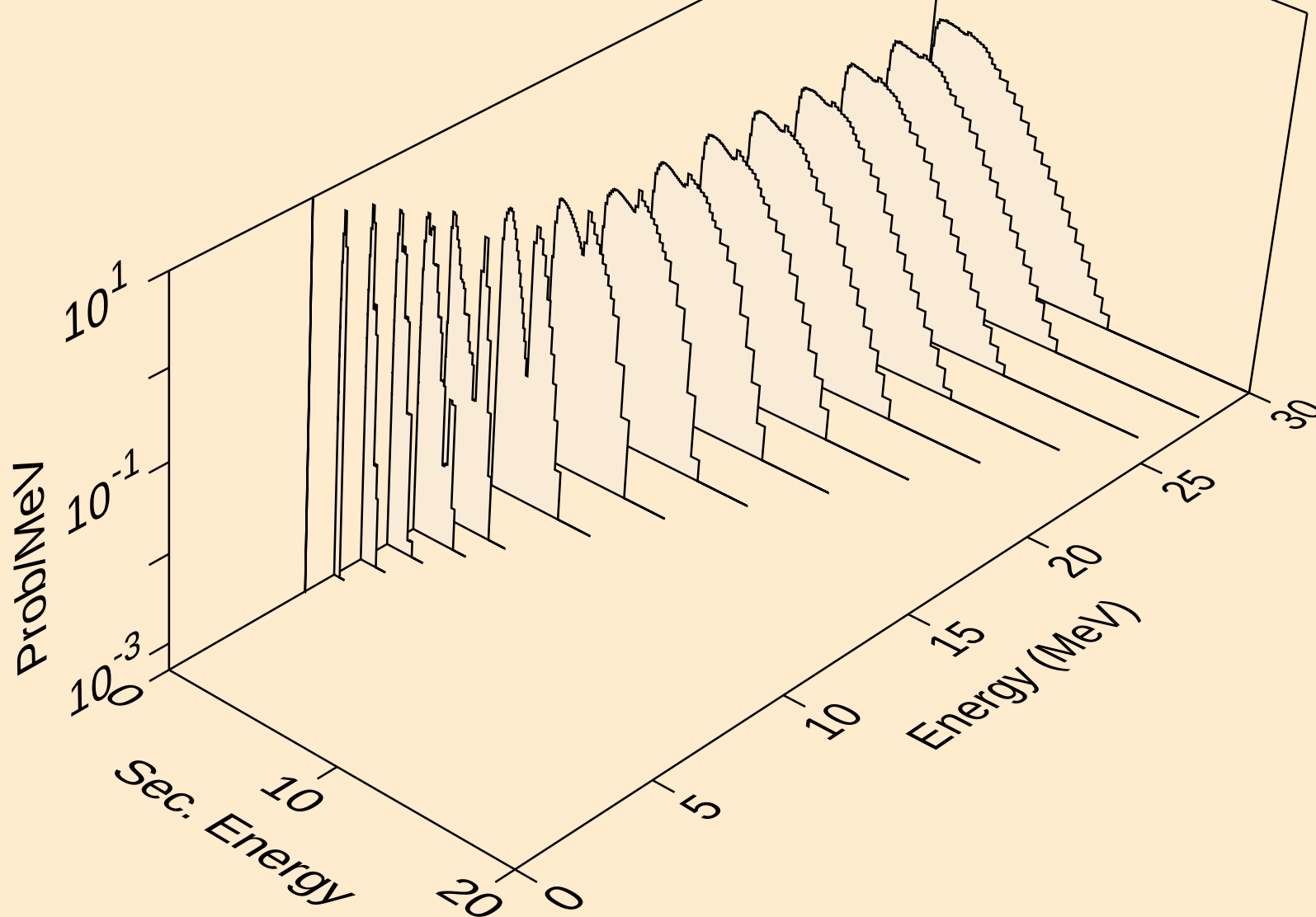
SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (s,n\*)d



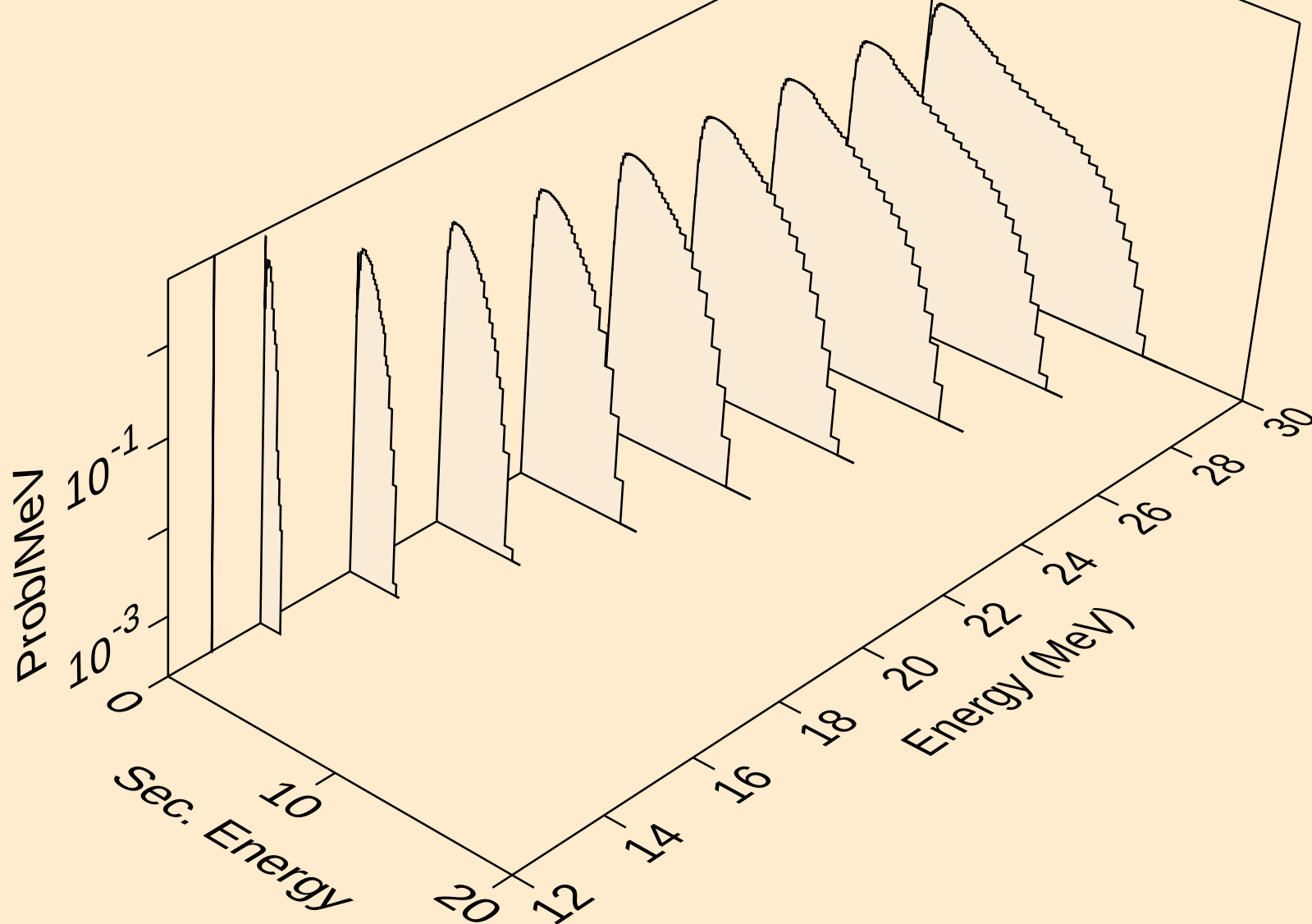
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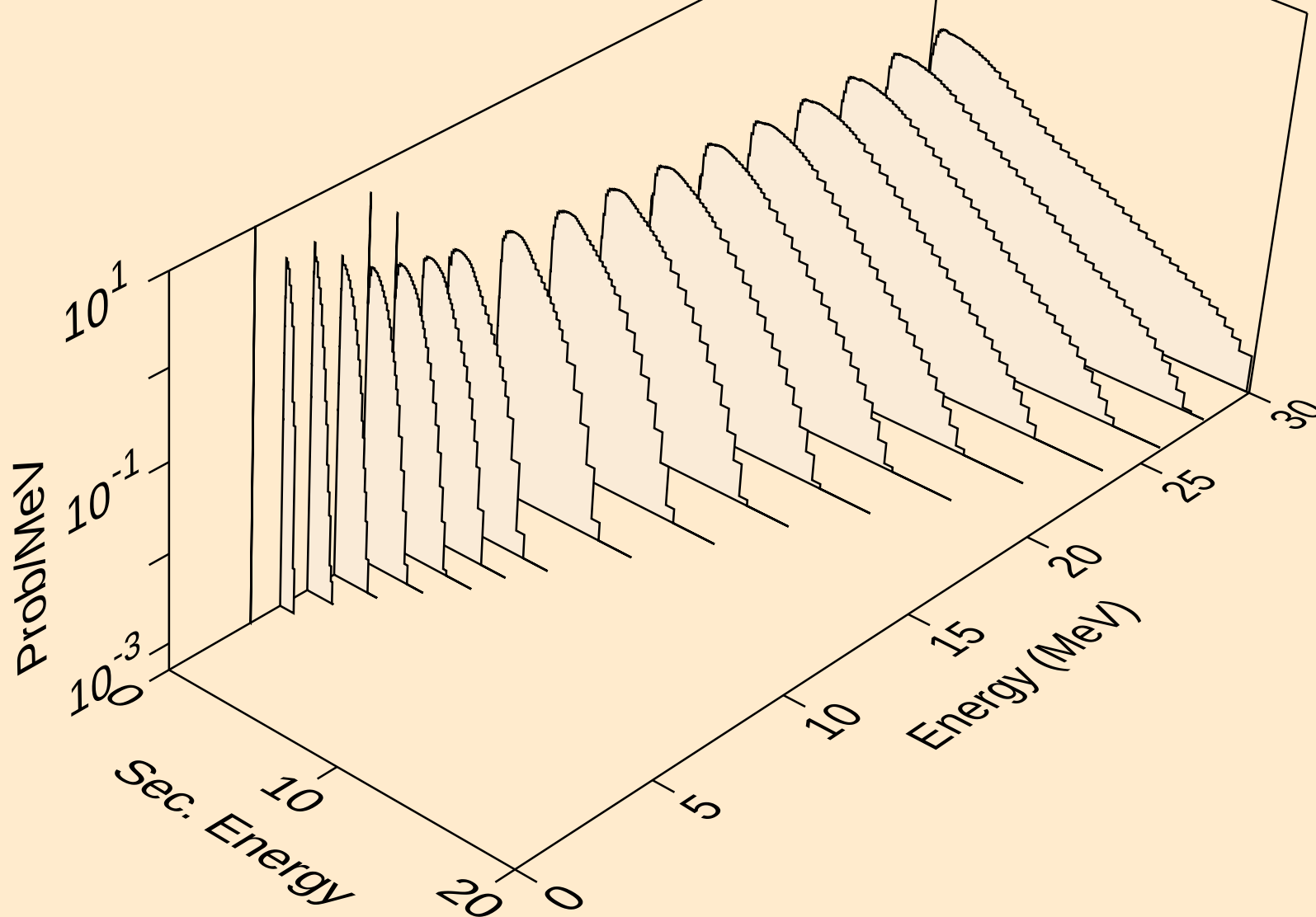
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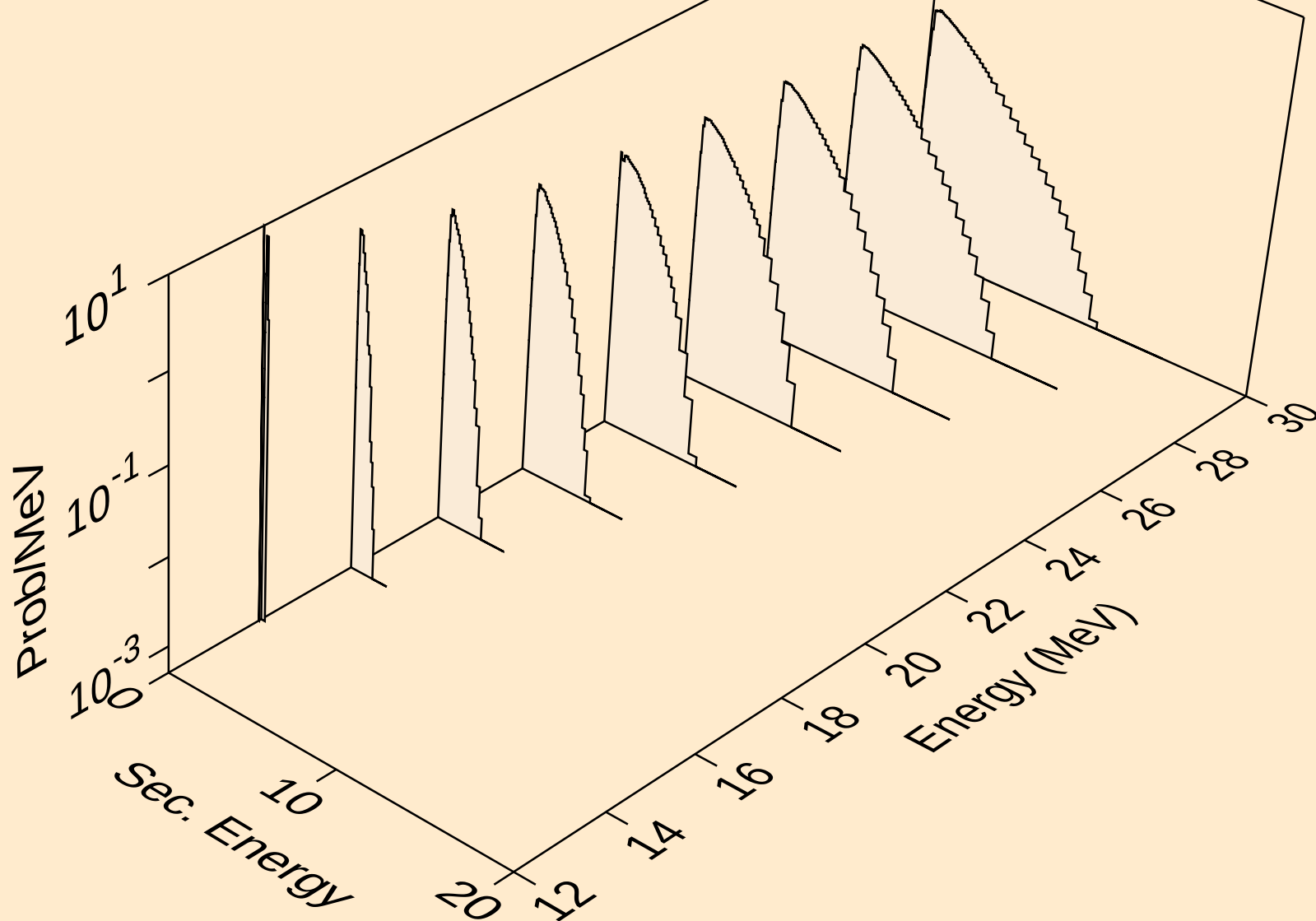
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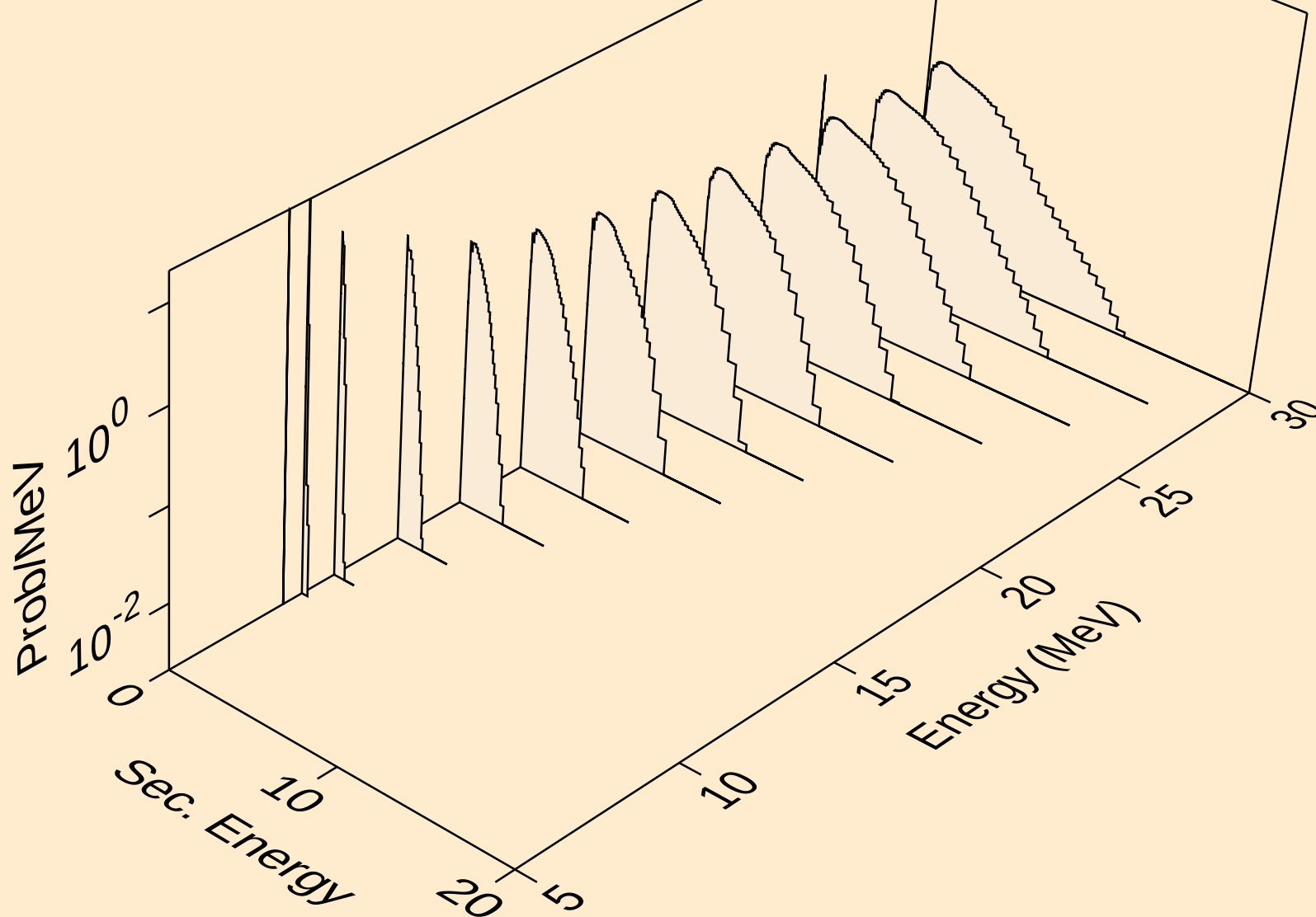
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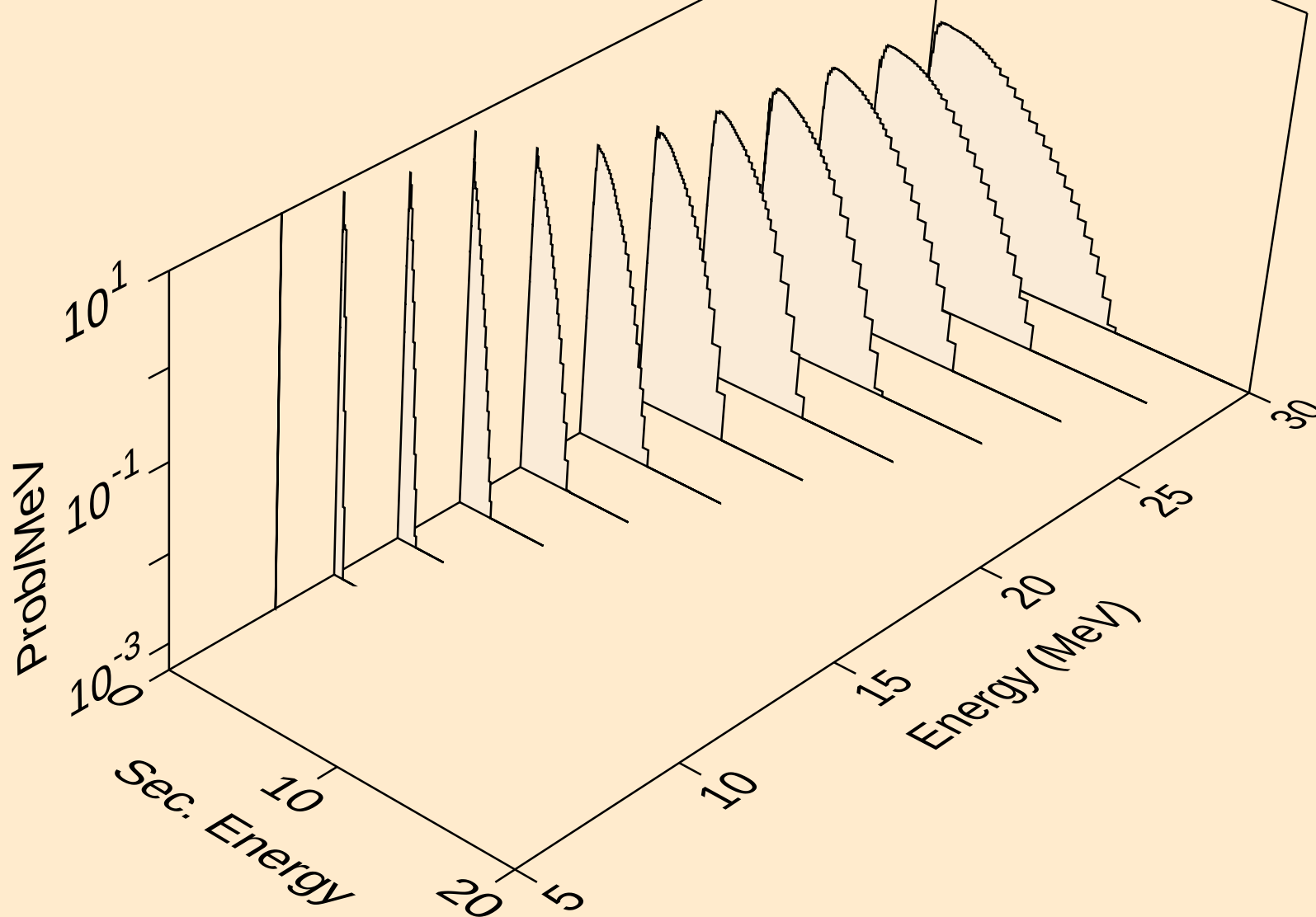
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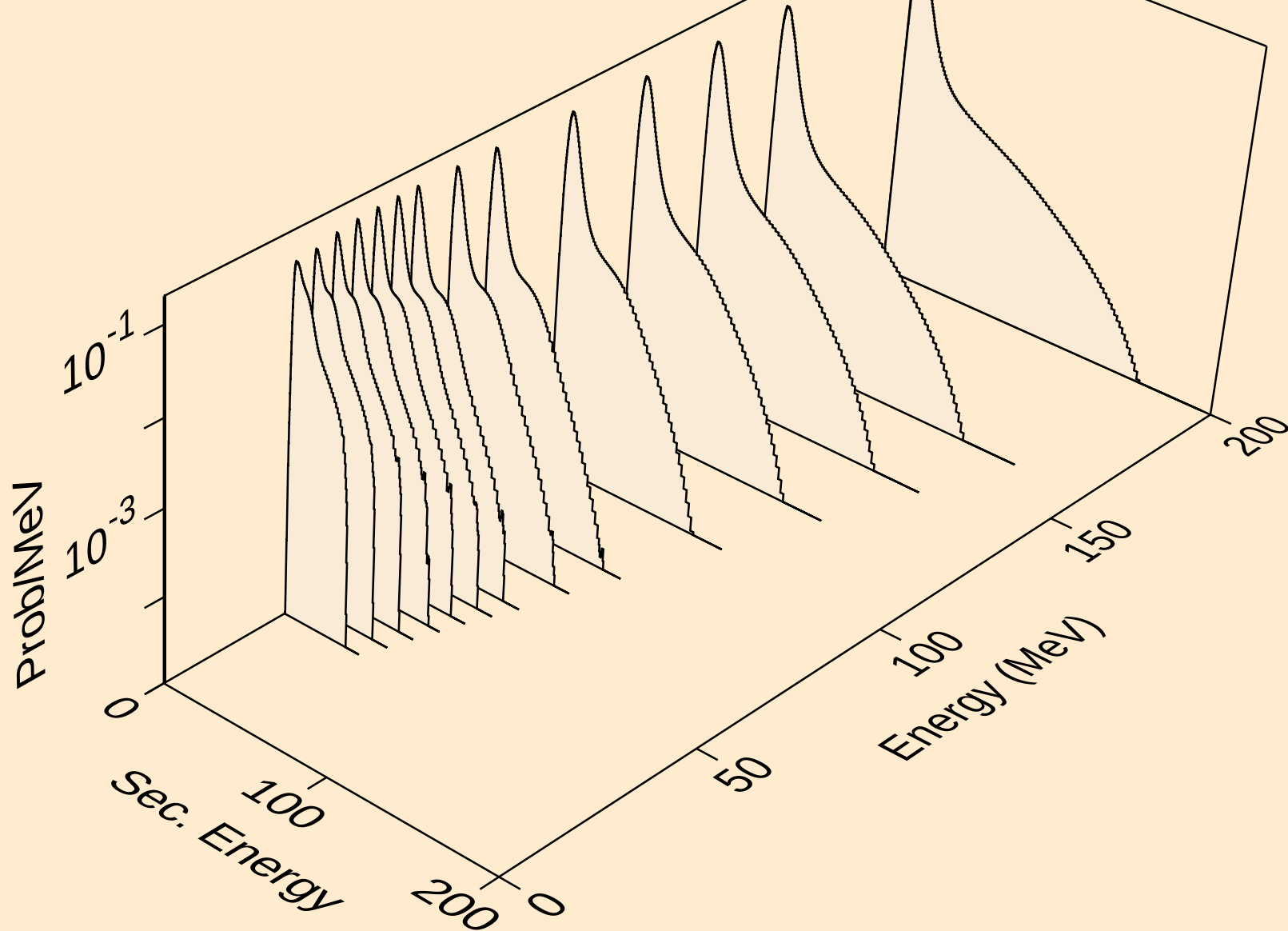
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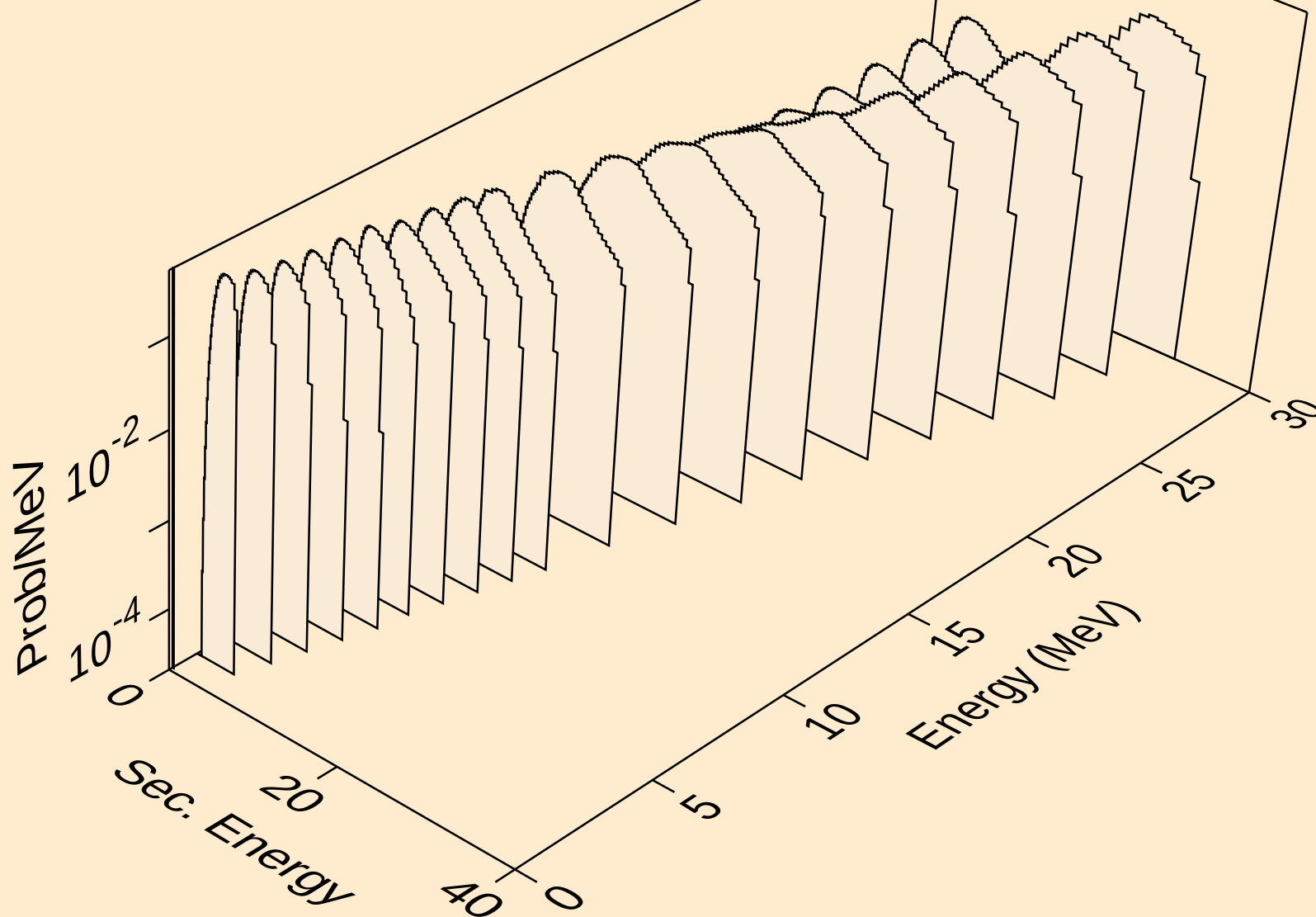
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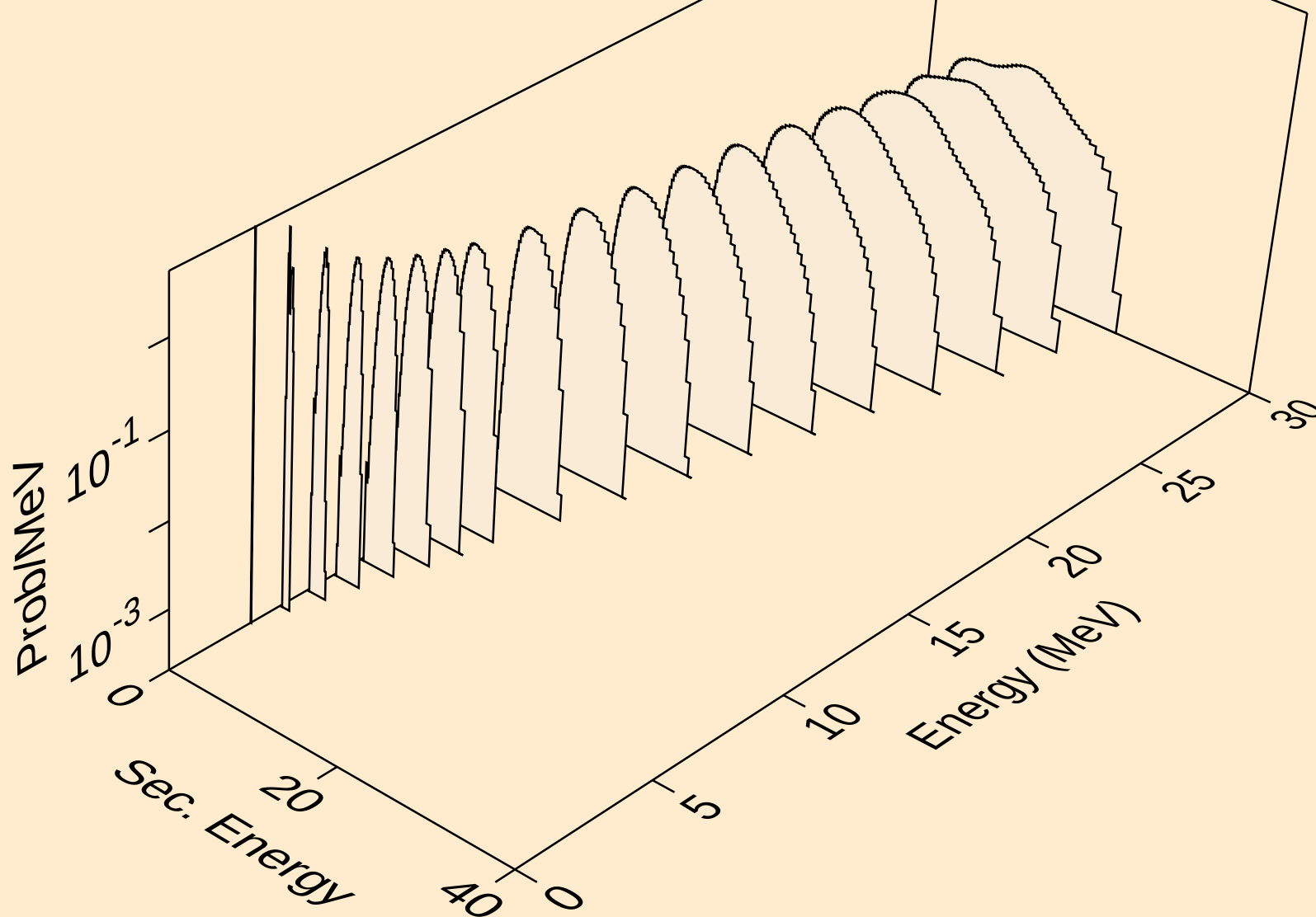
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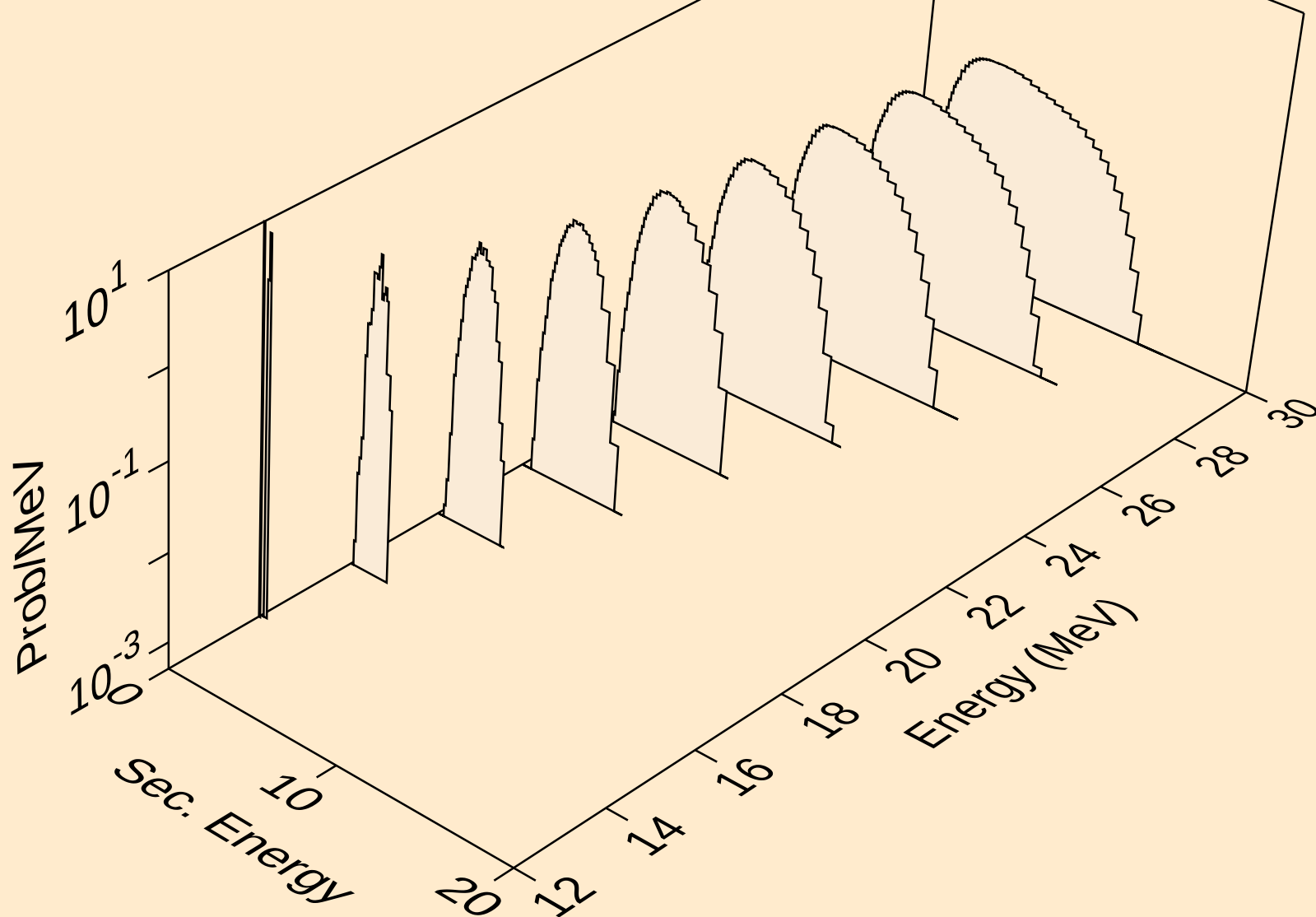
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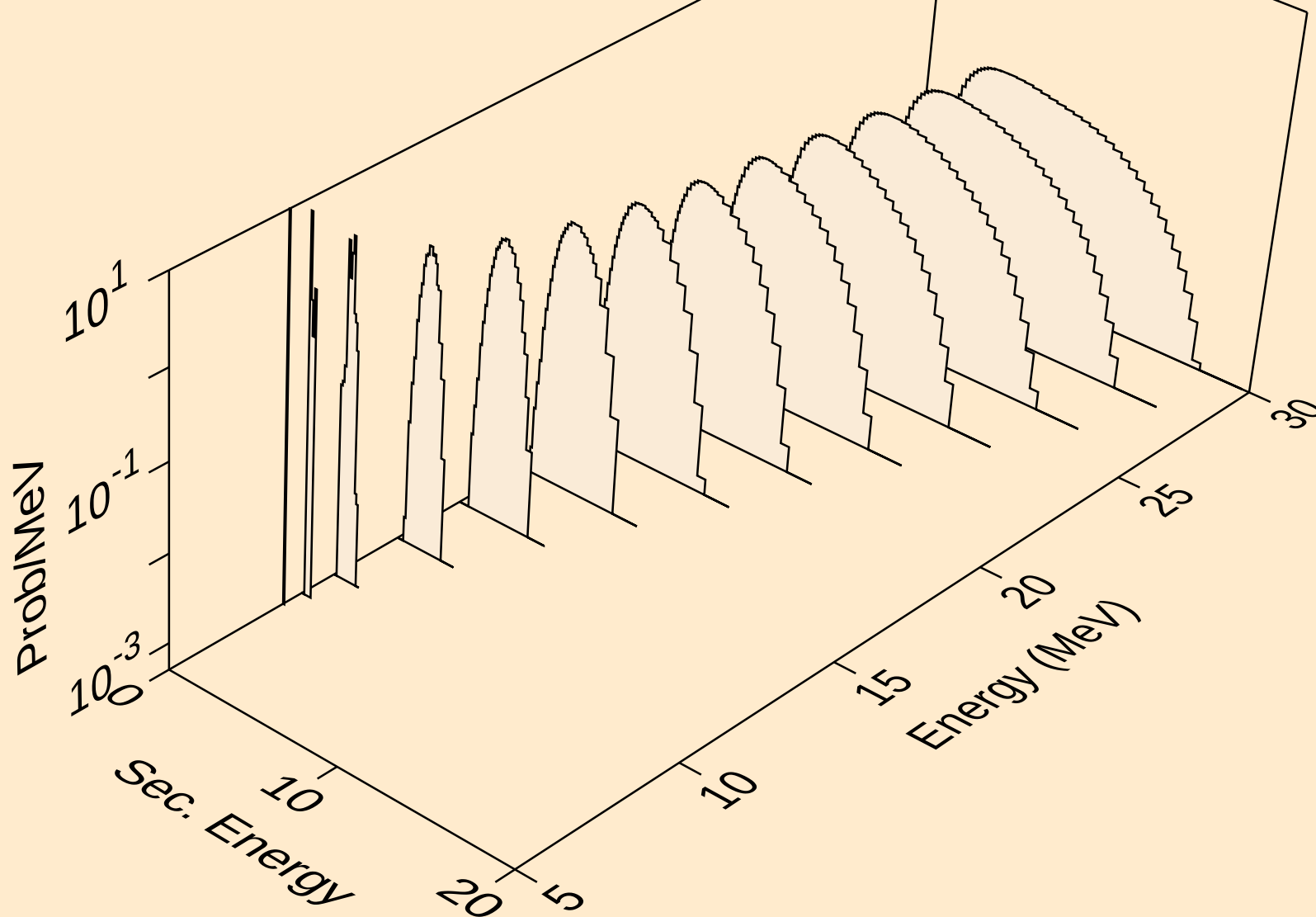
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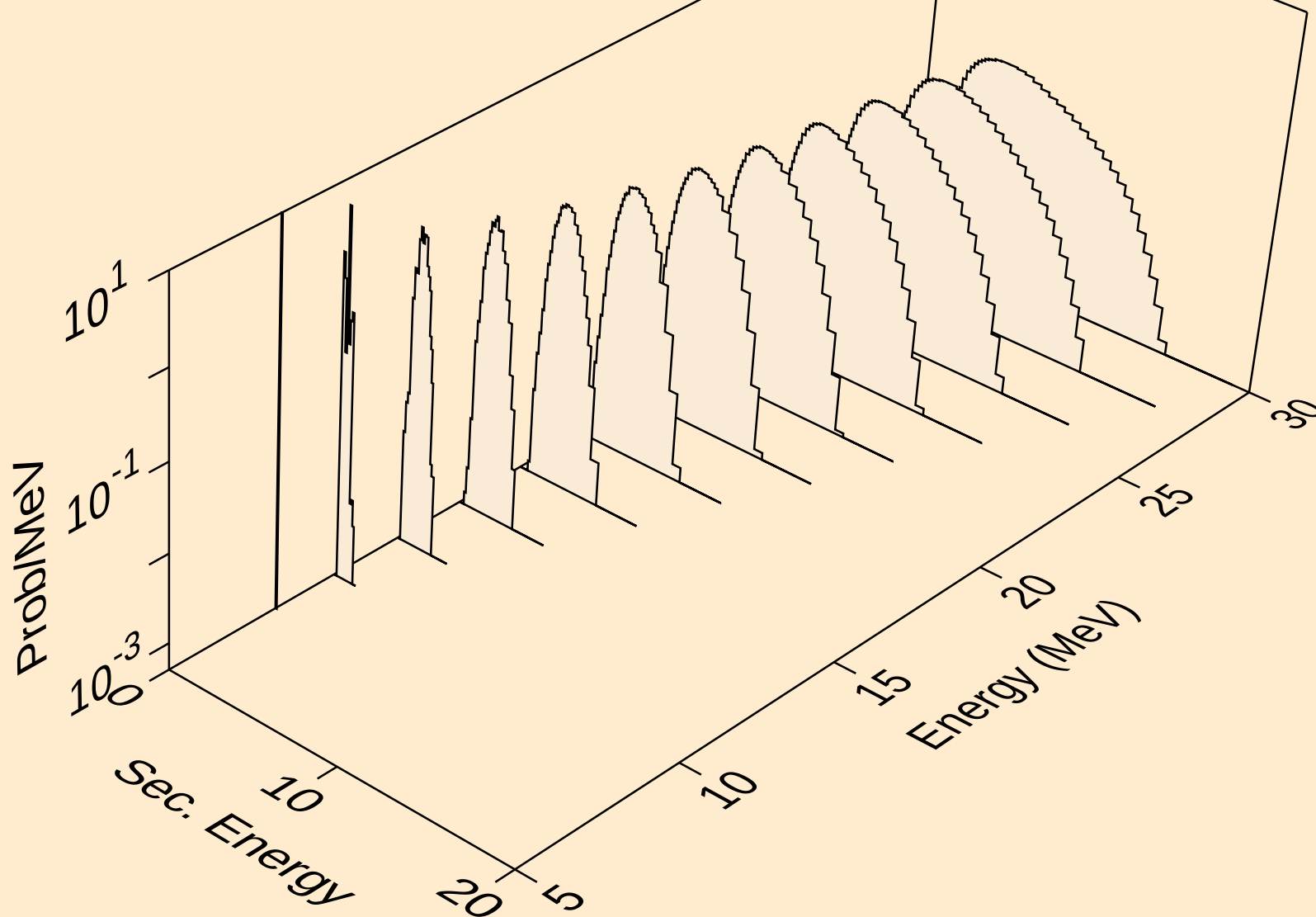
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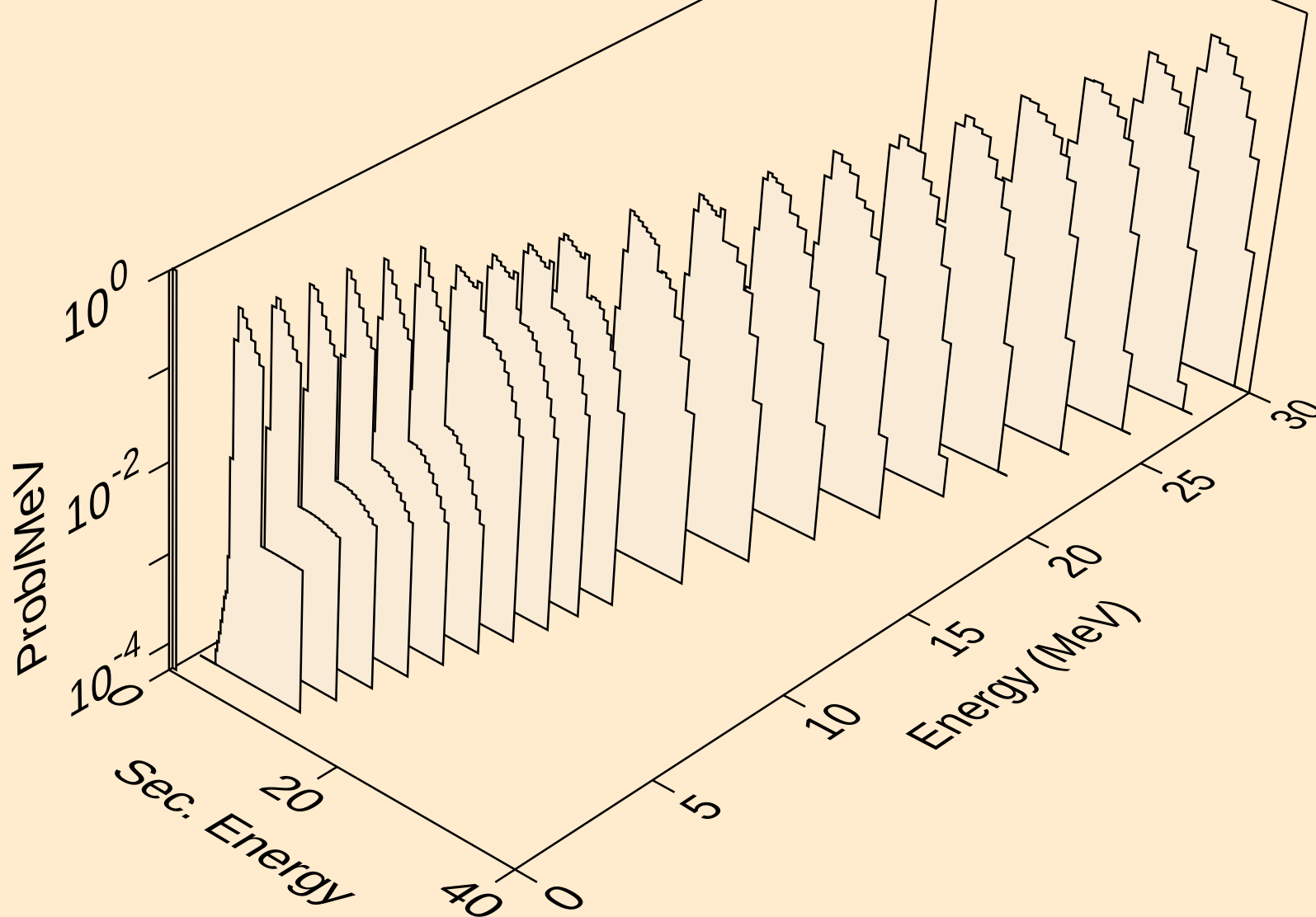
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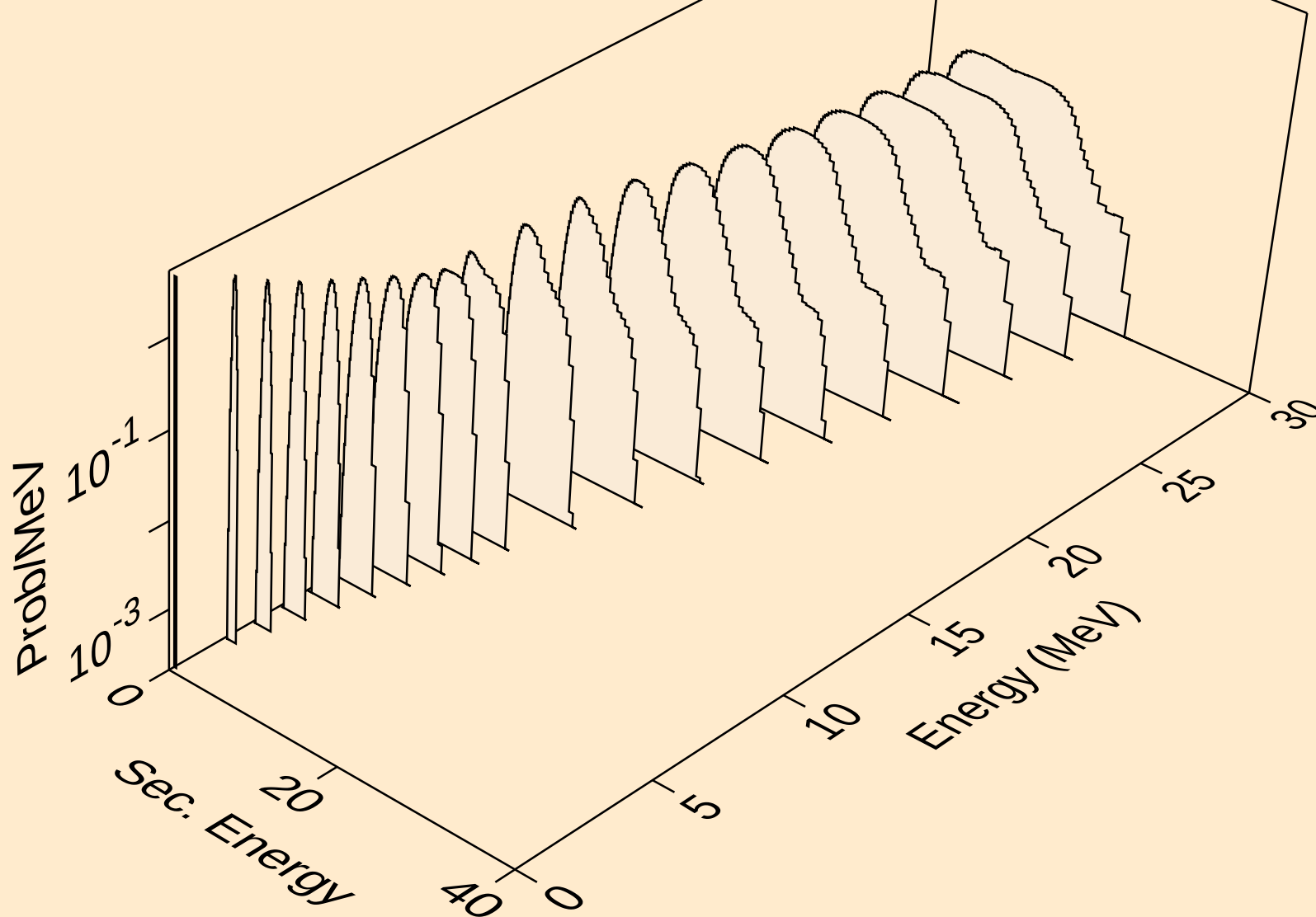
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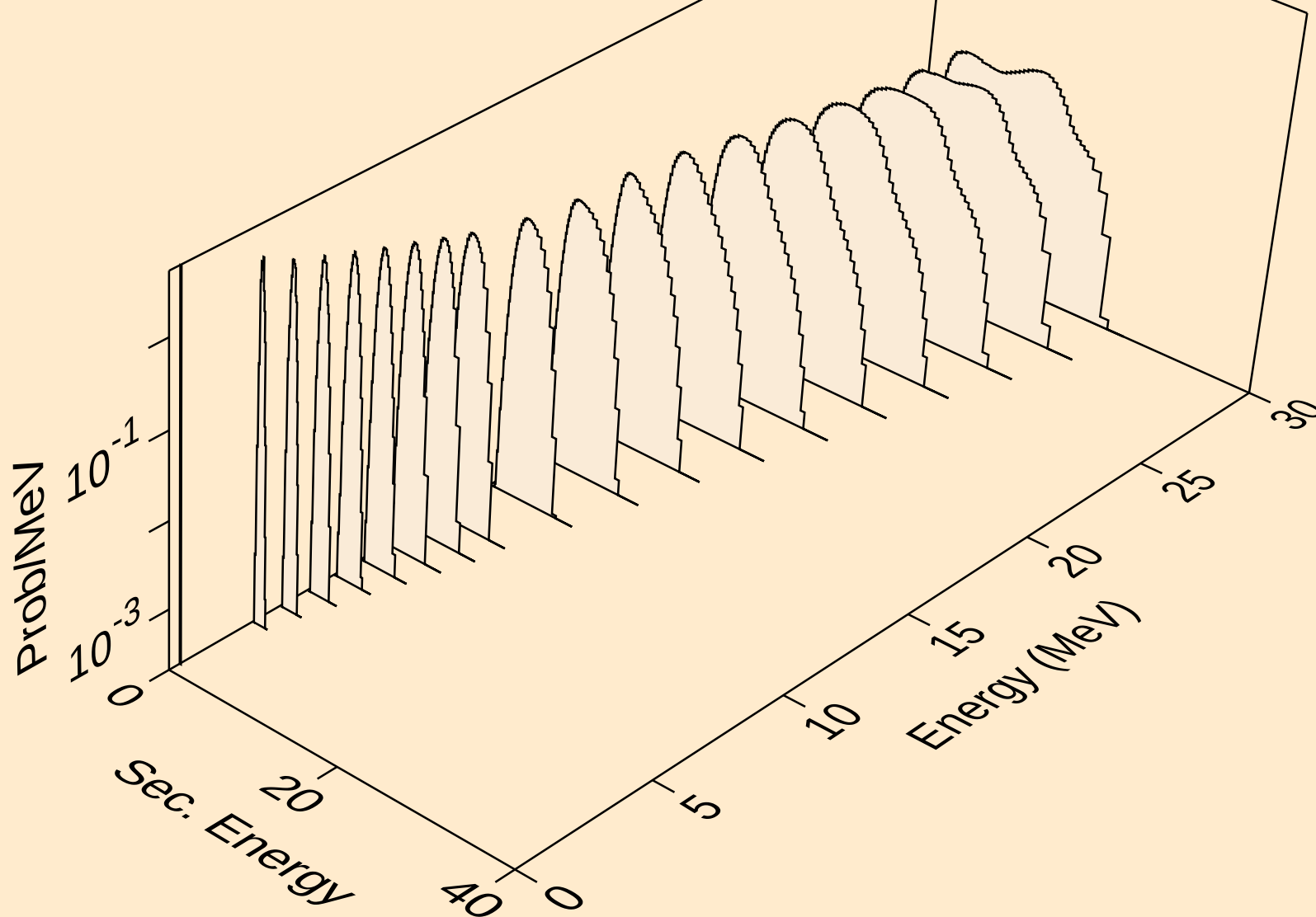
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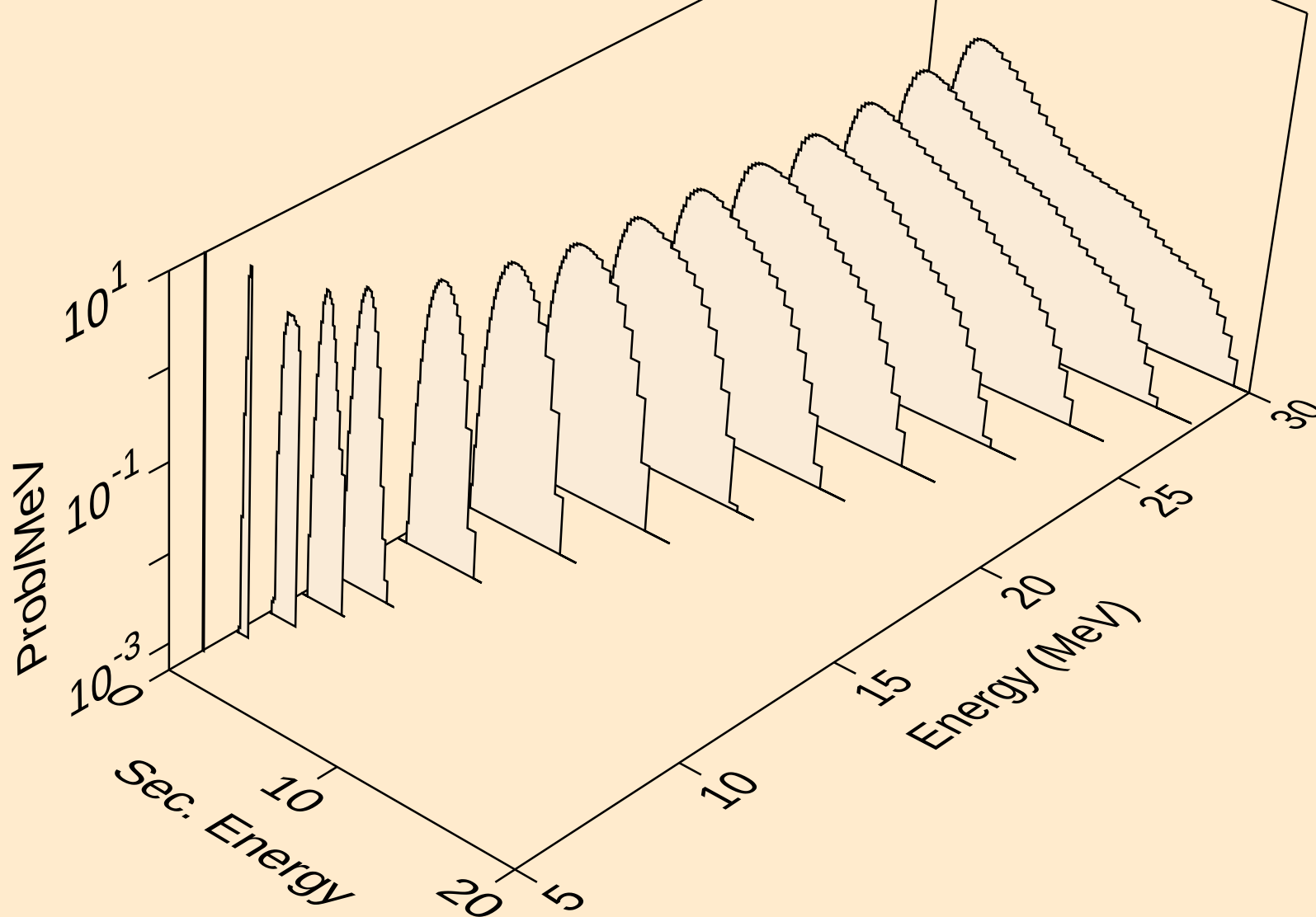
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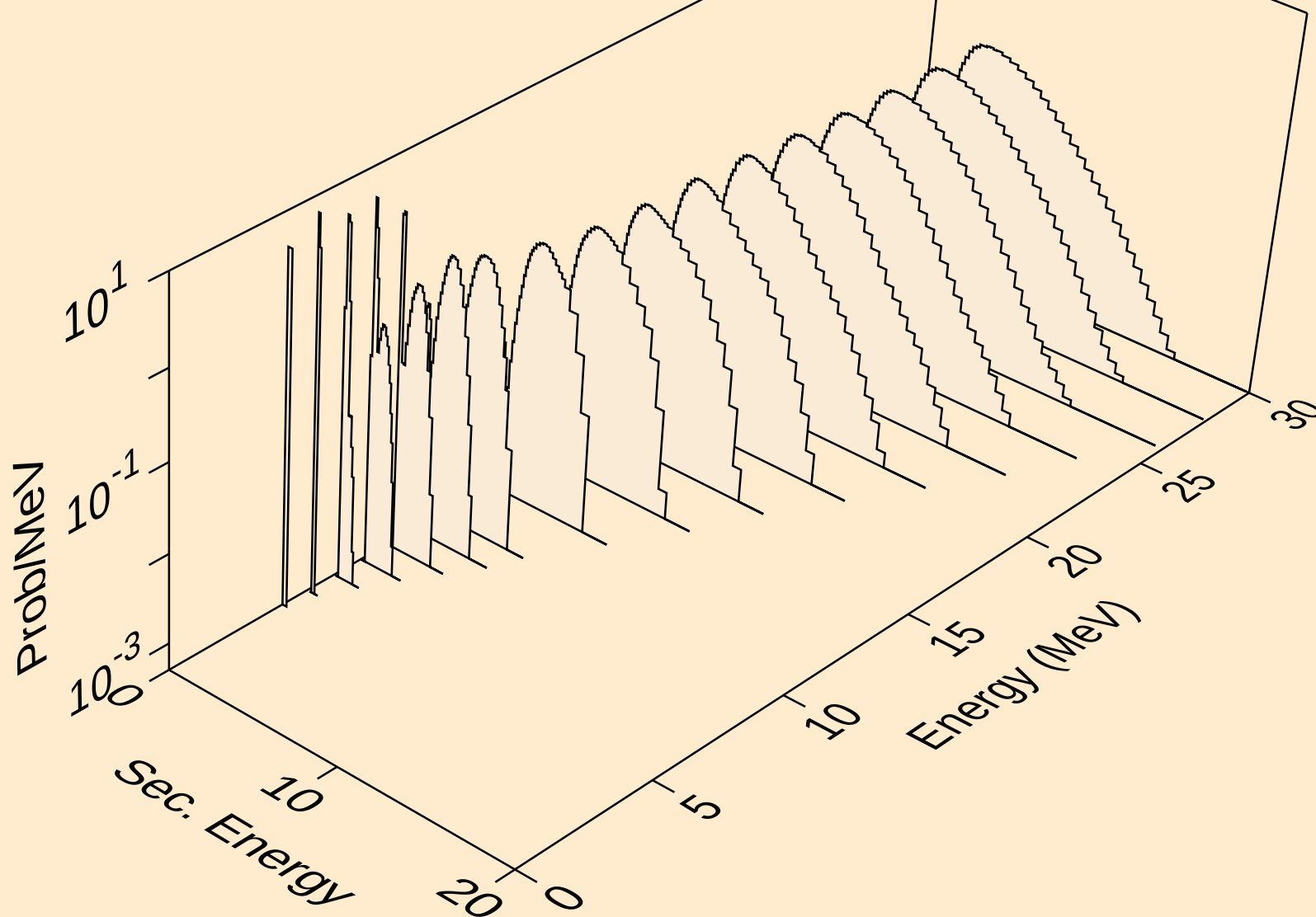
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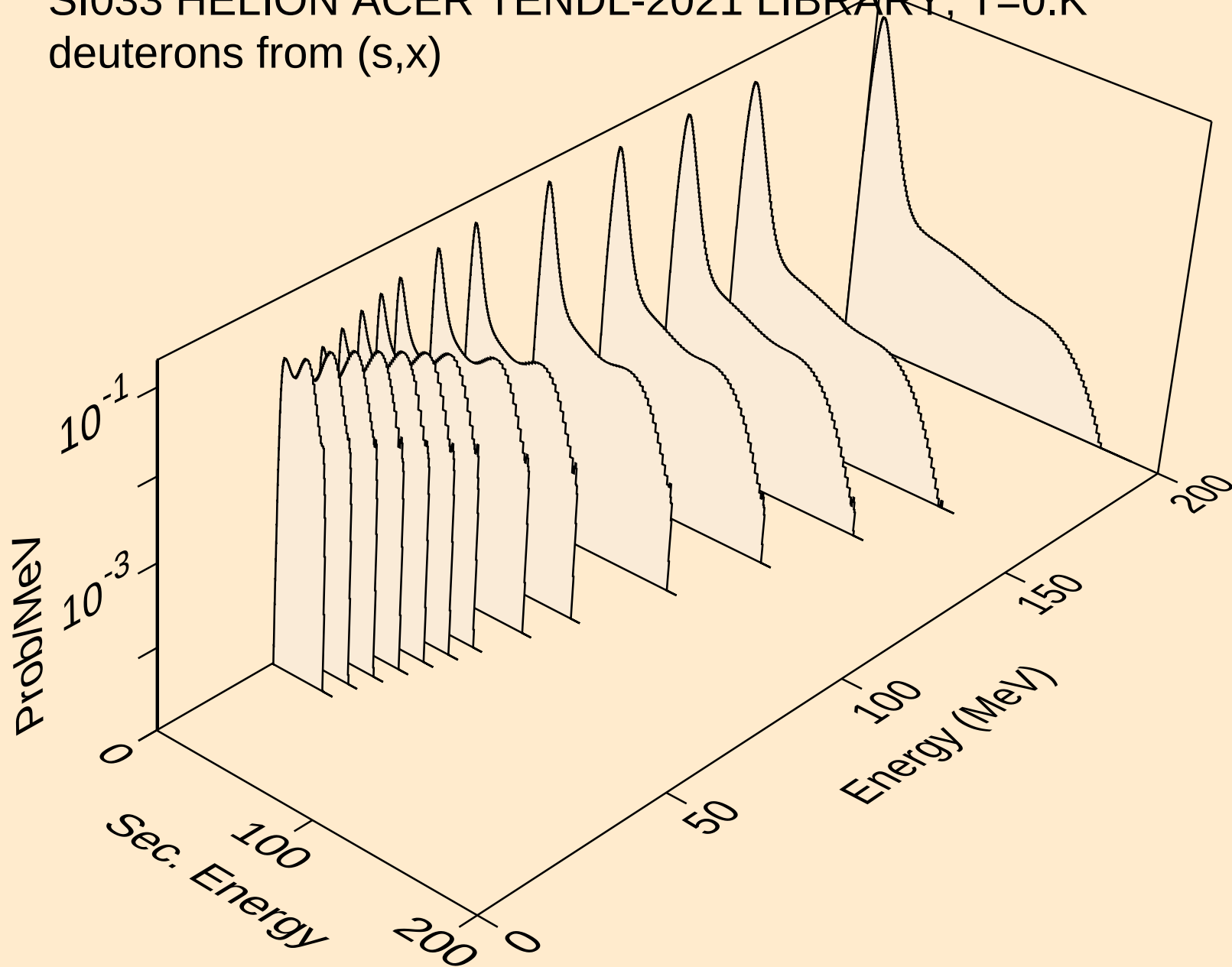
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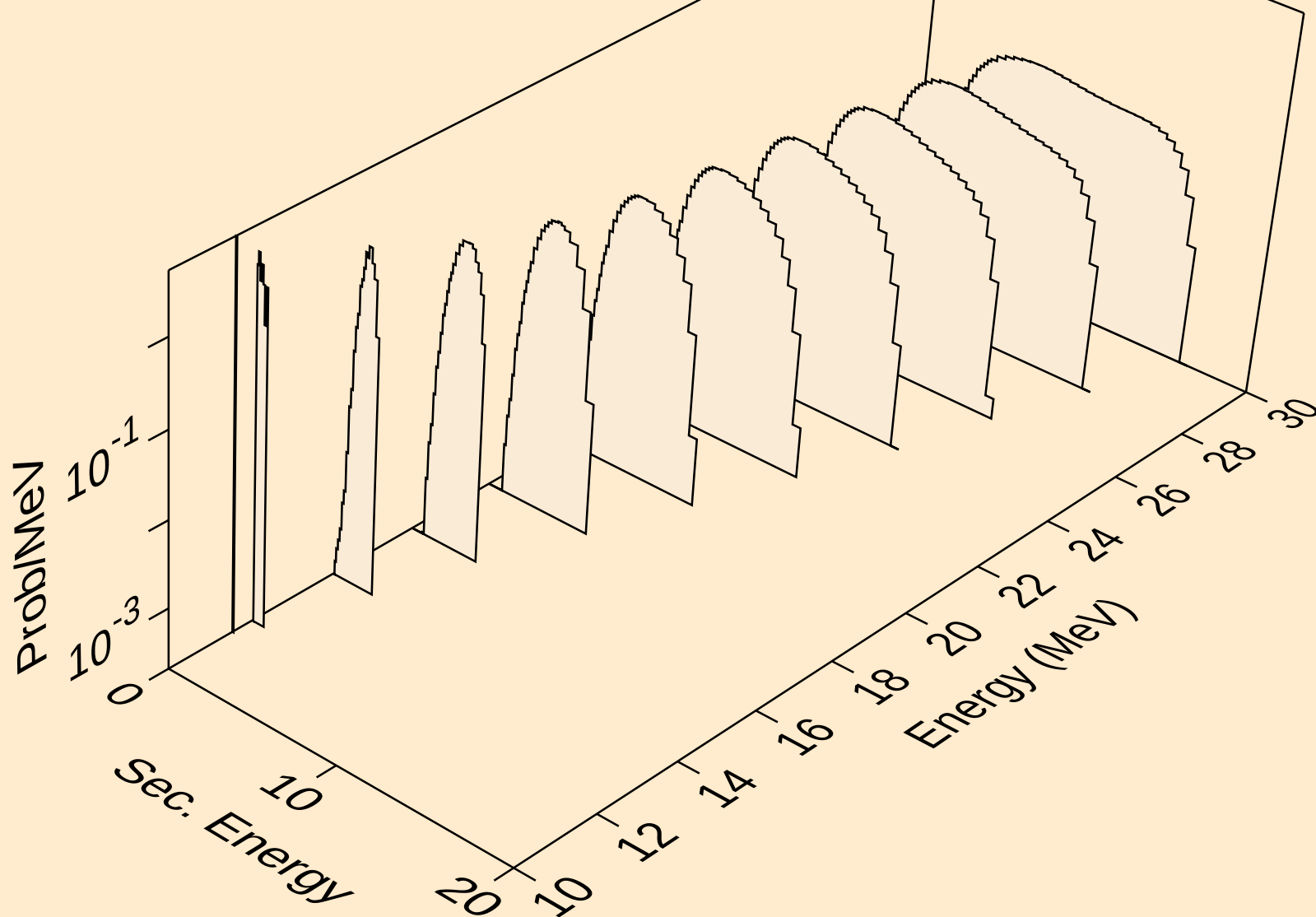
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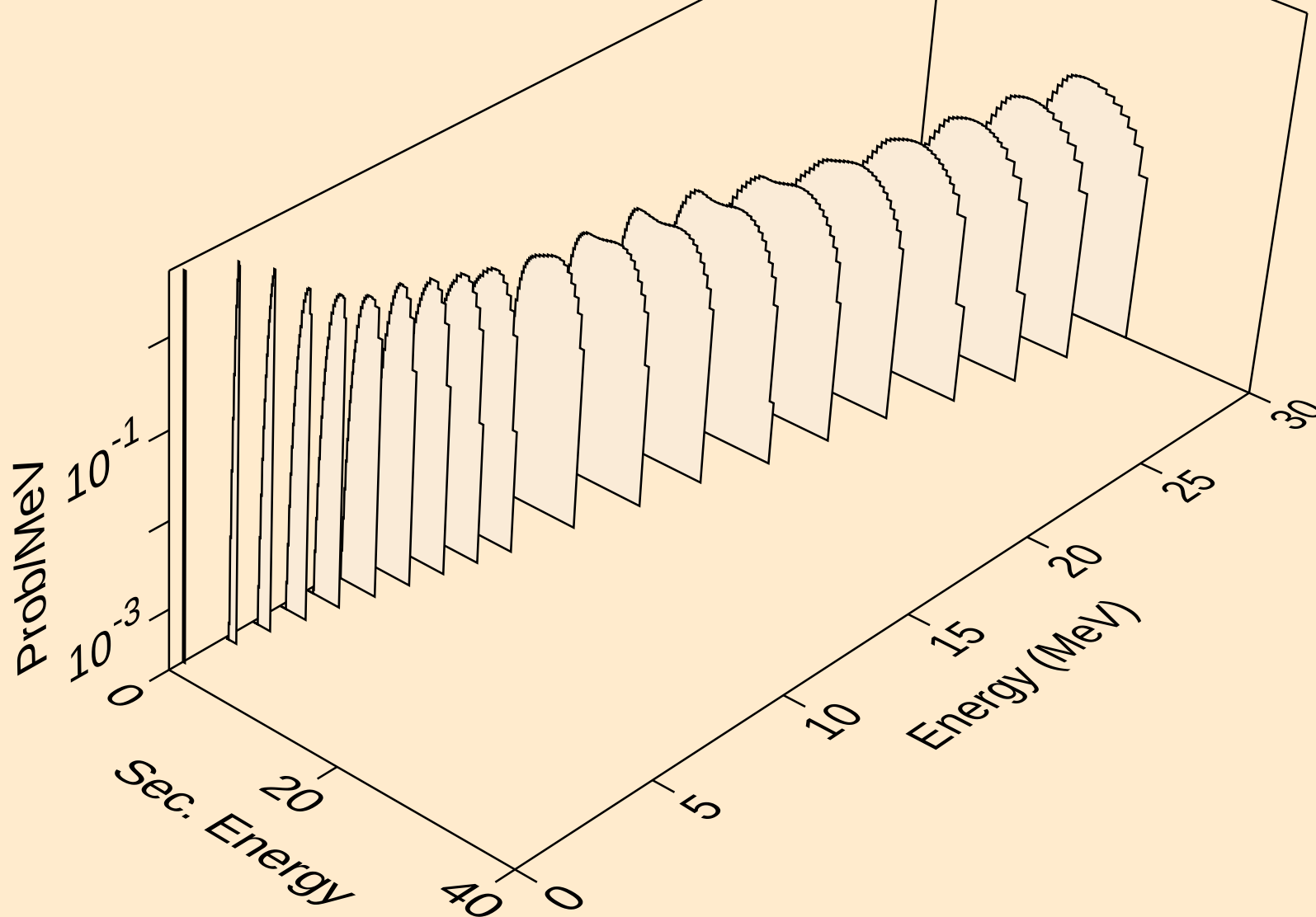
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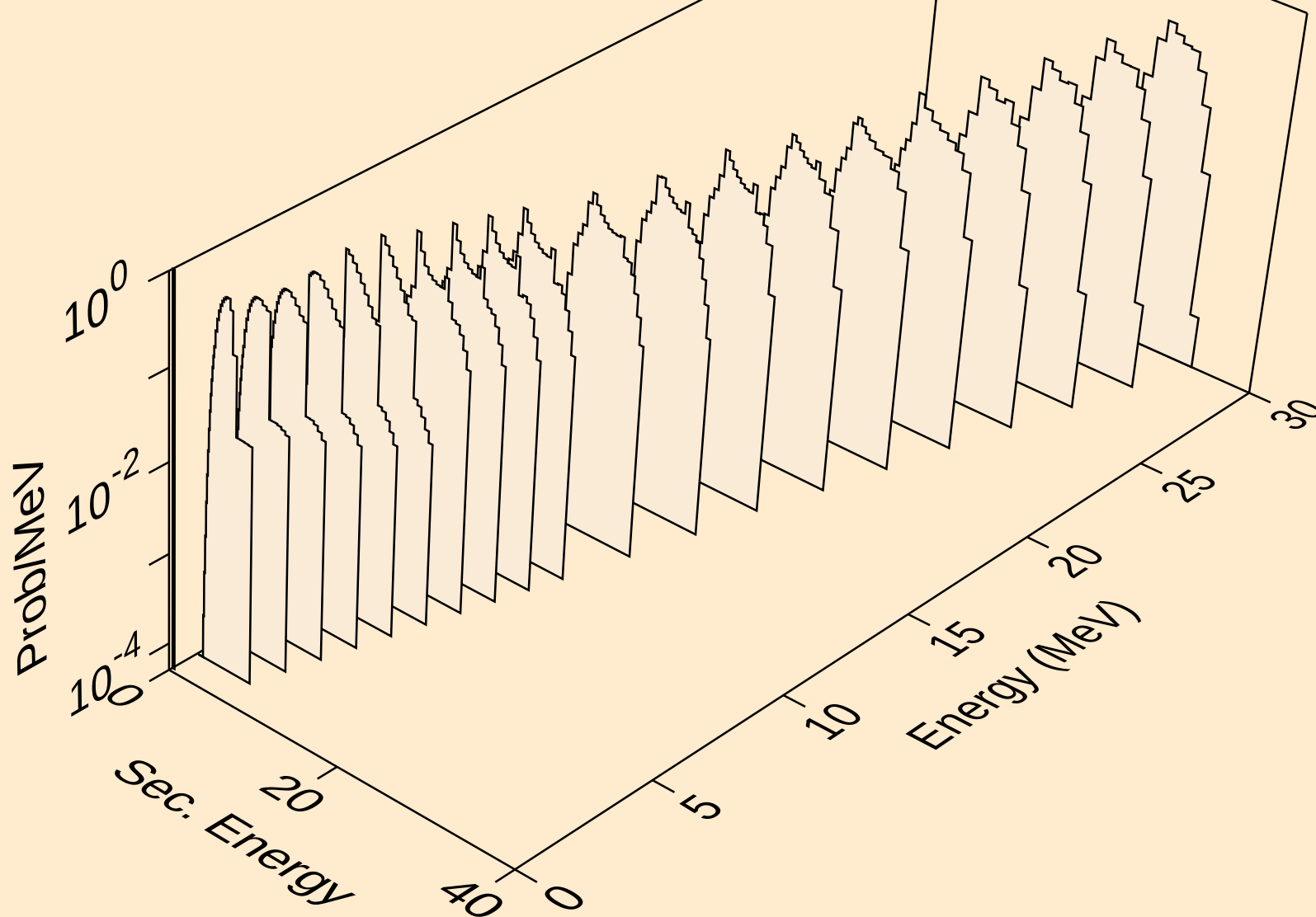
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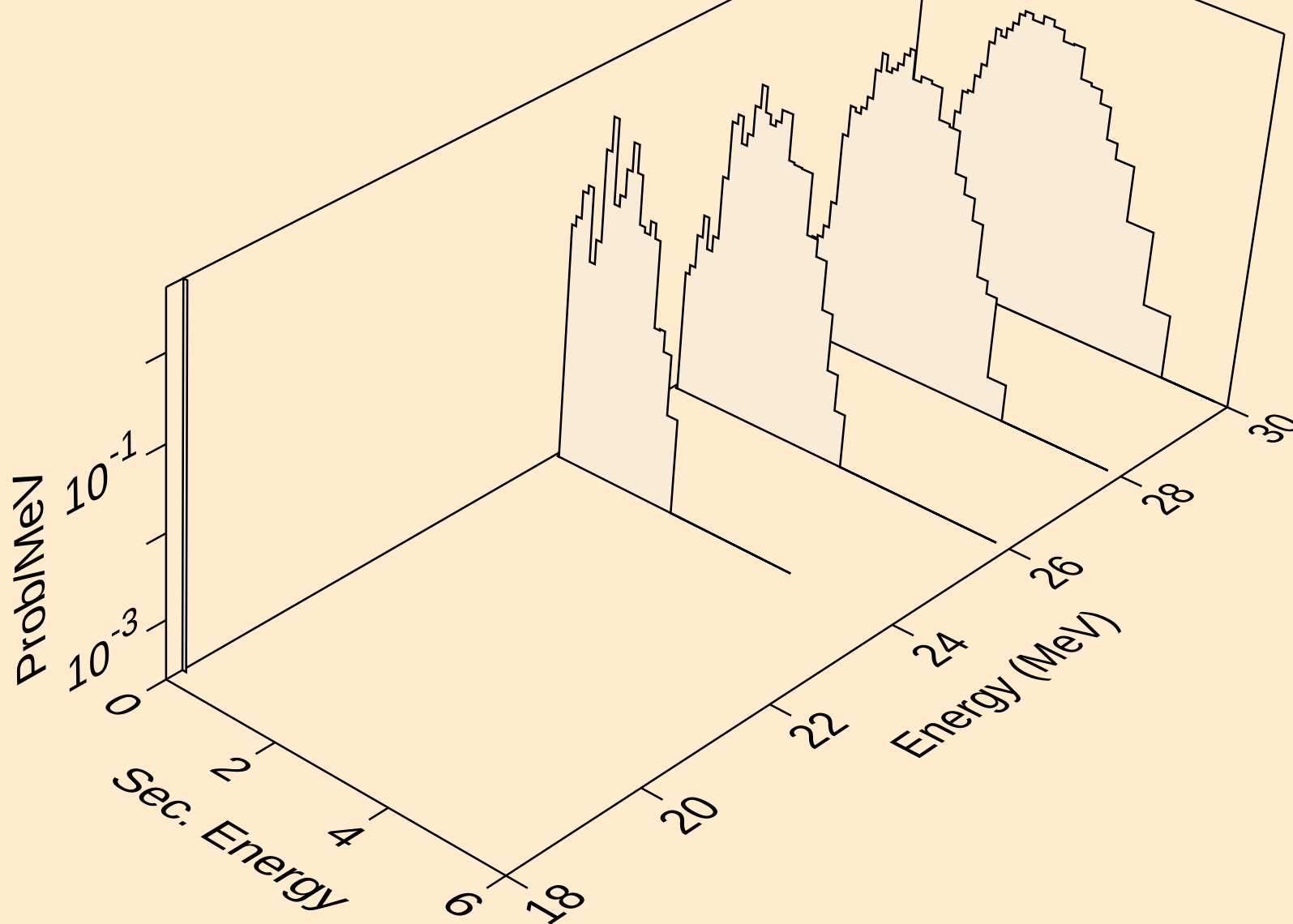
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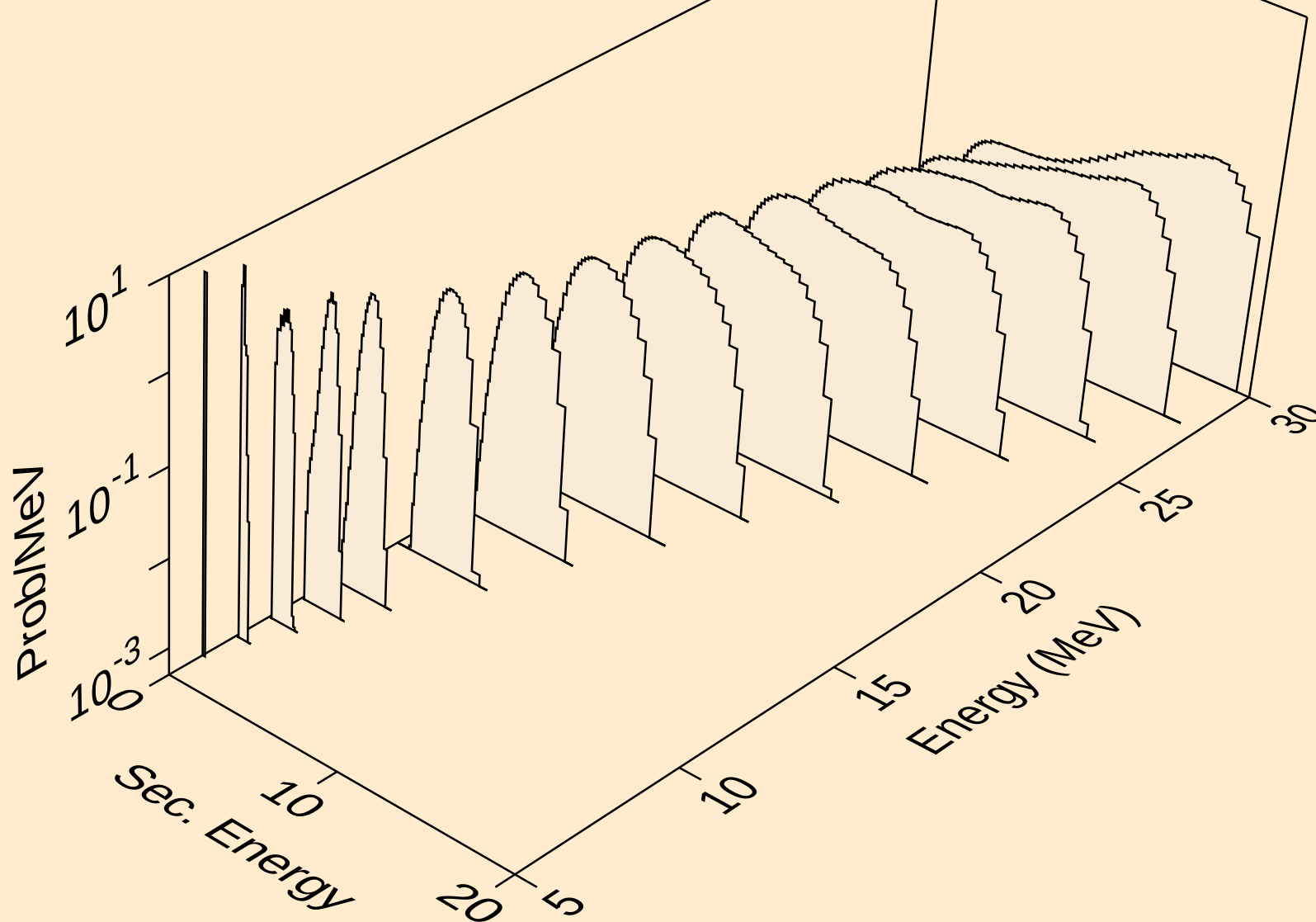
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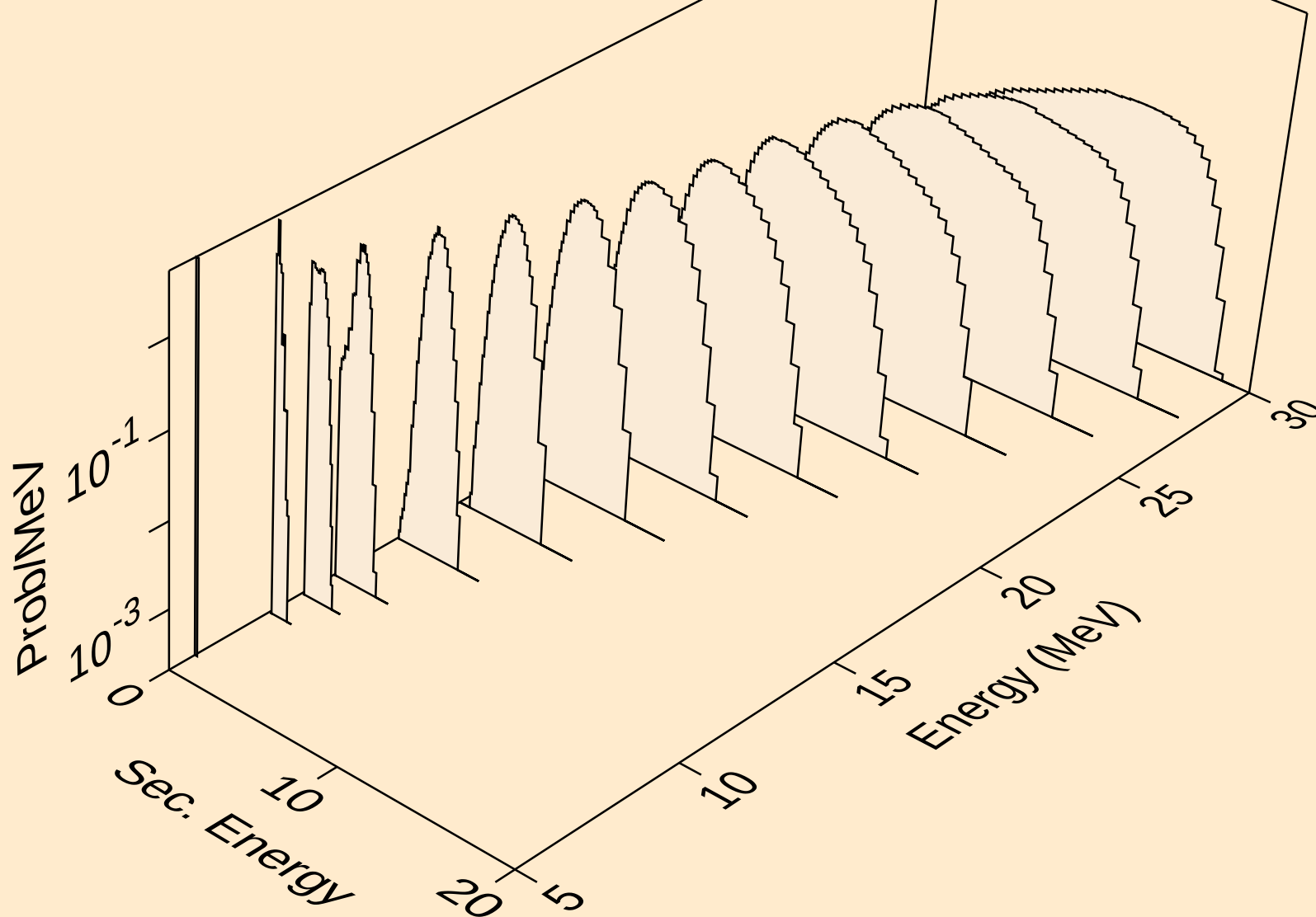
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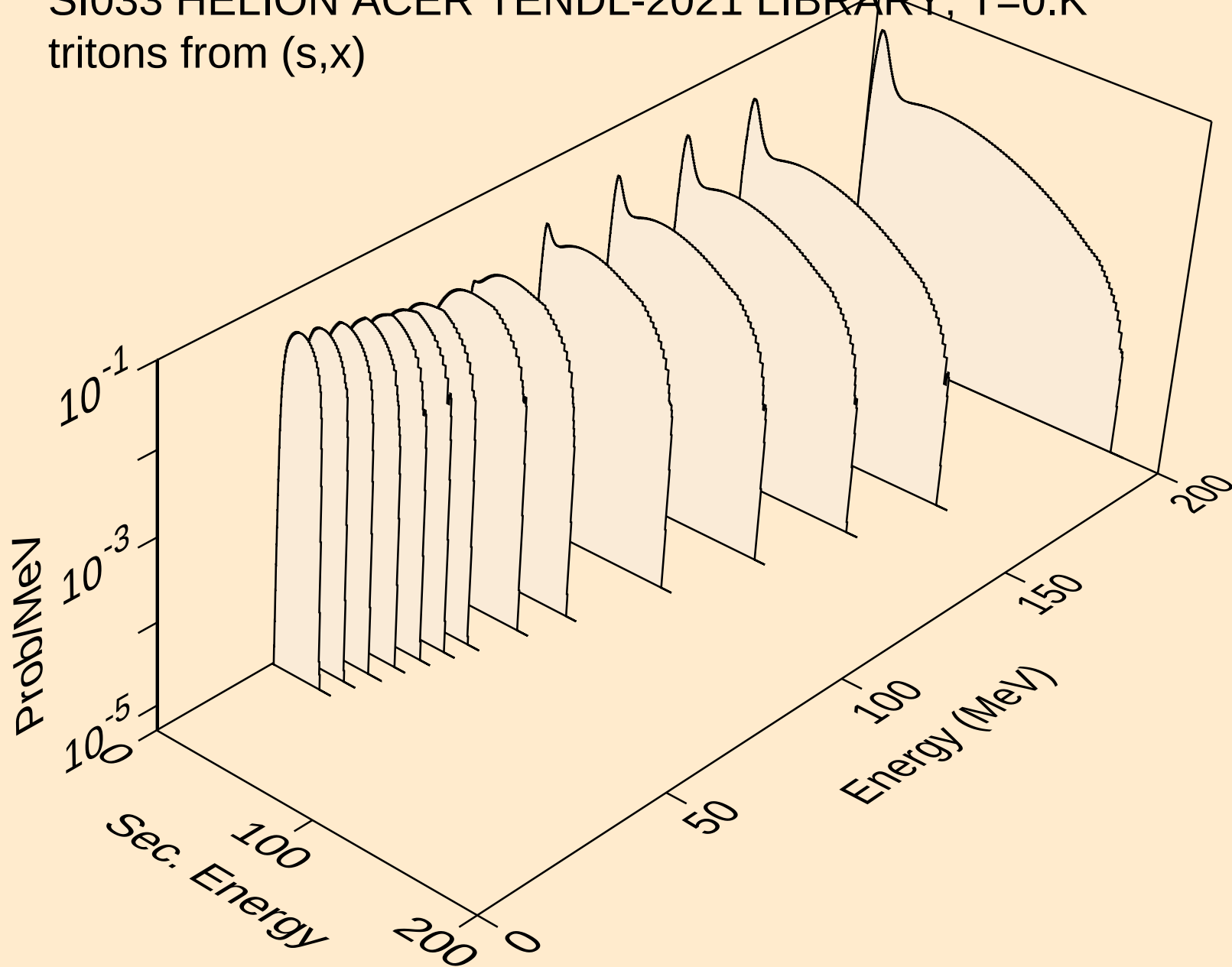
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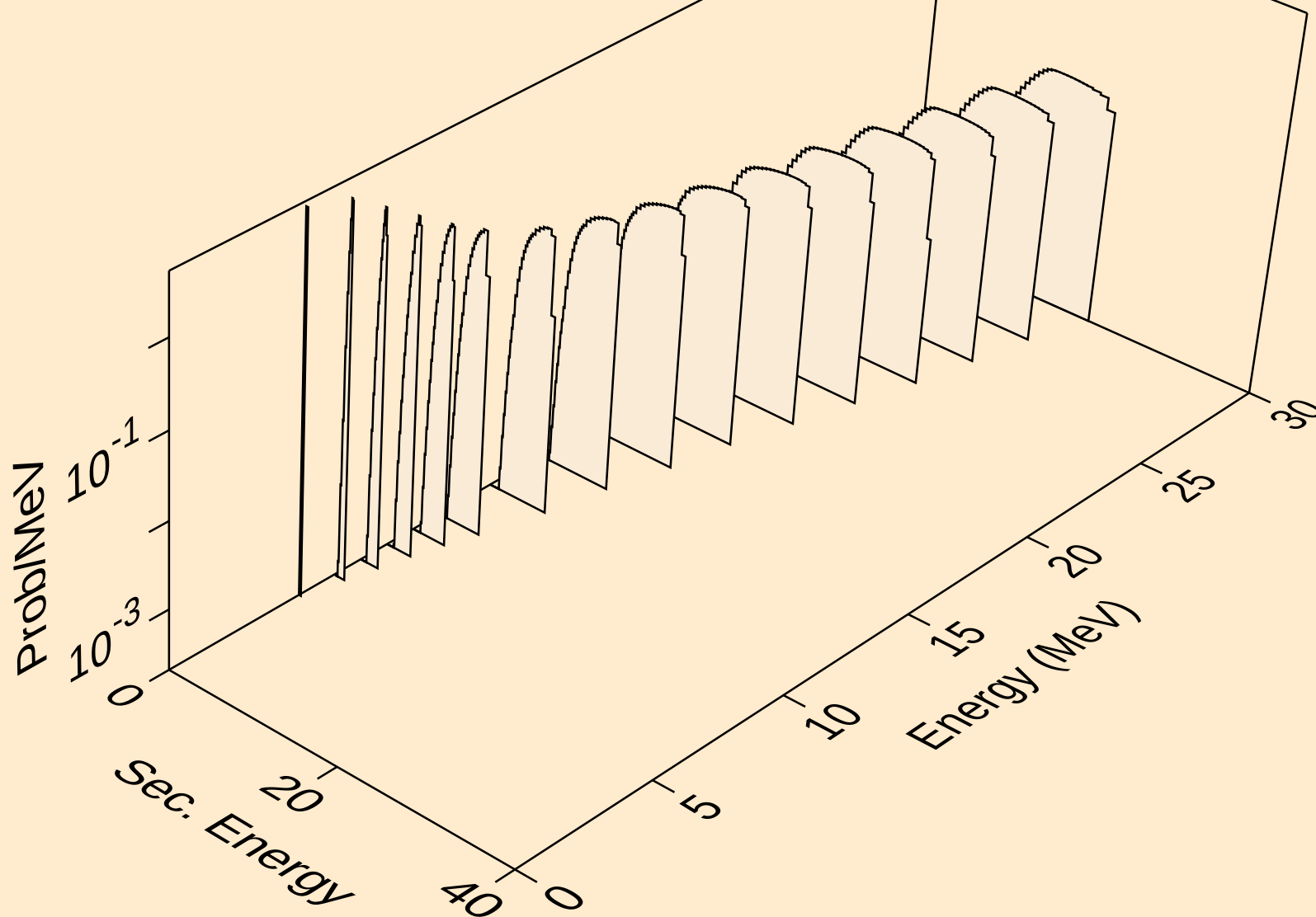
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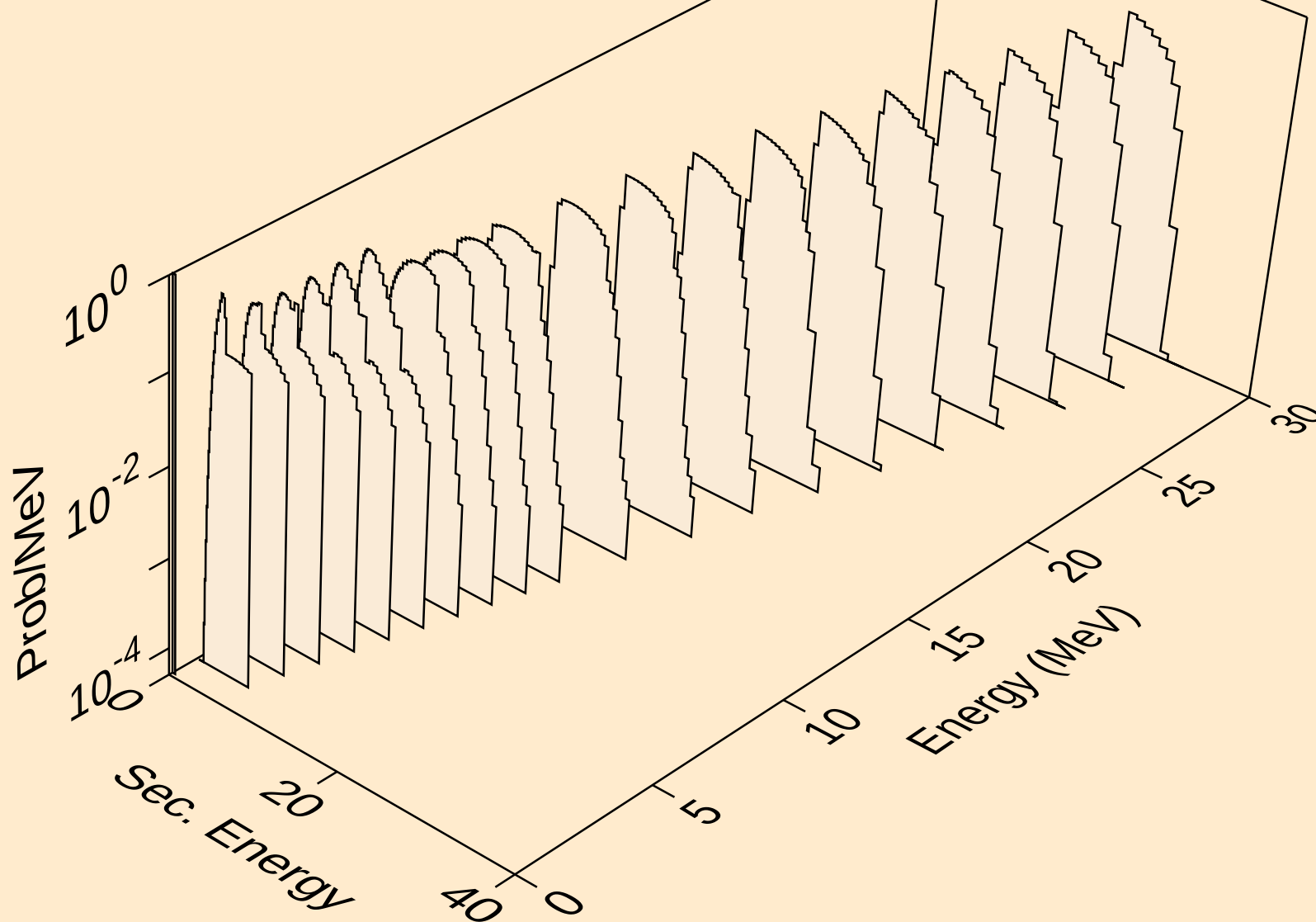
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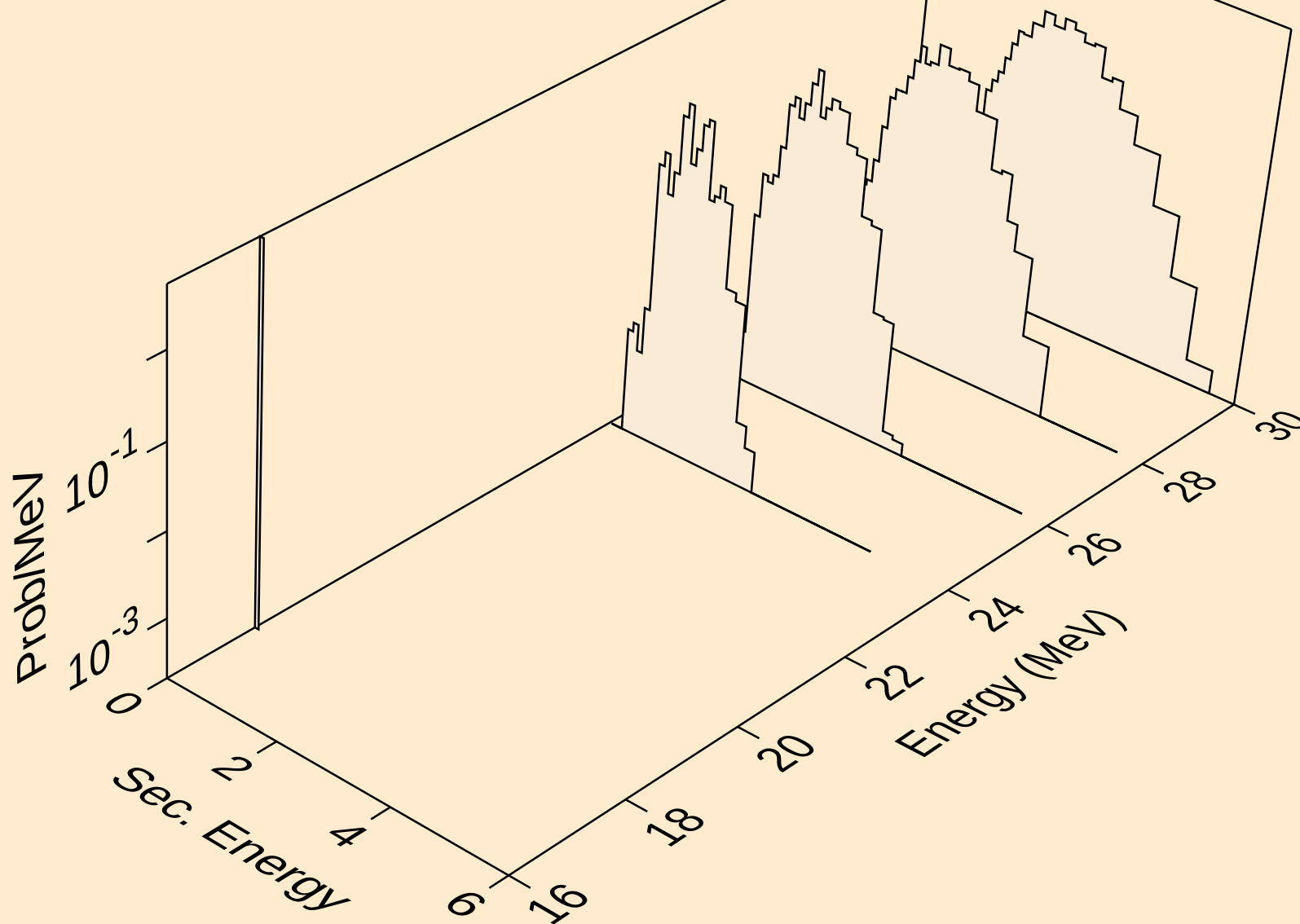
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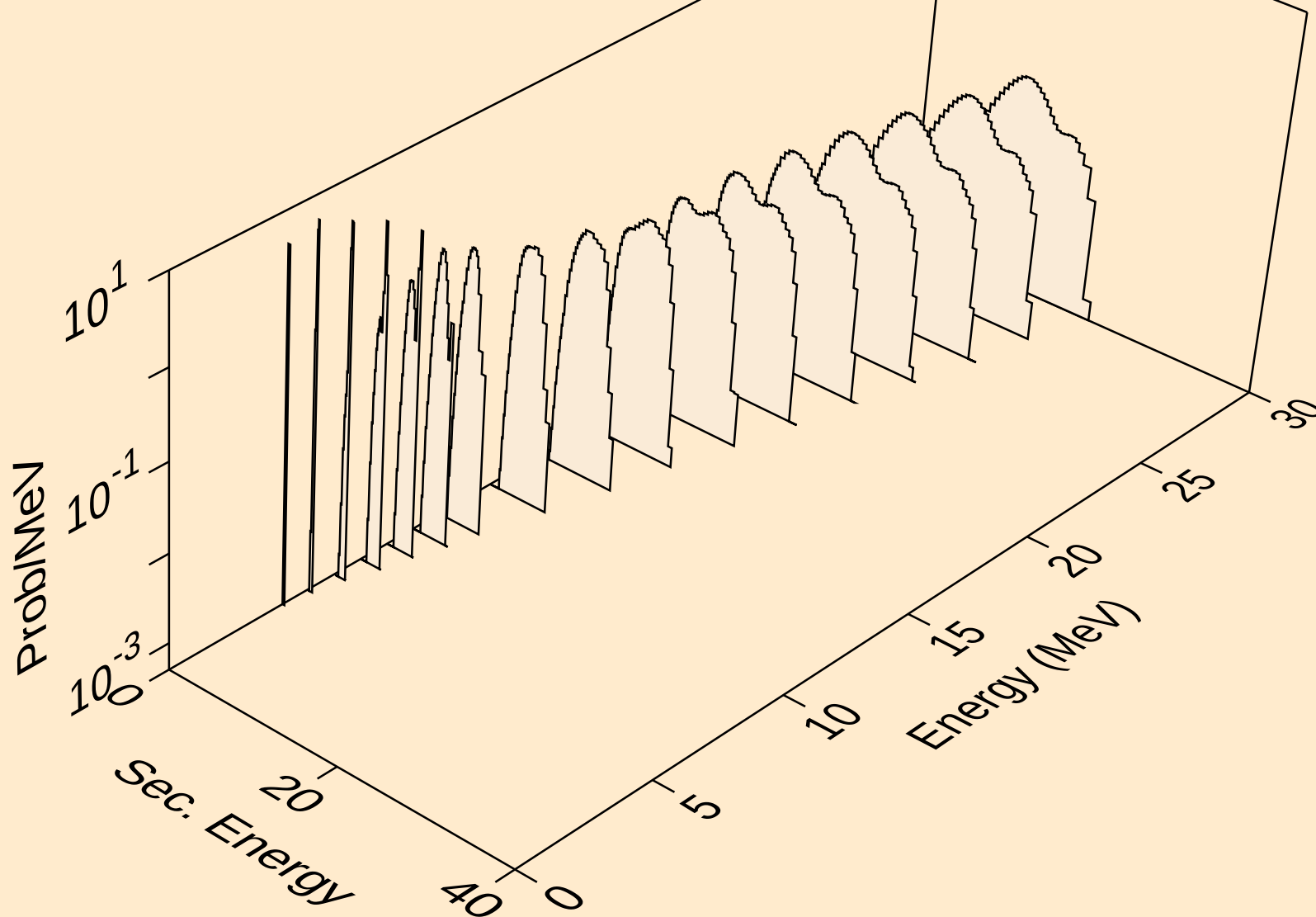
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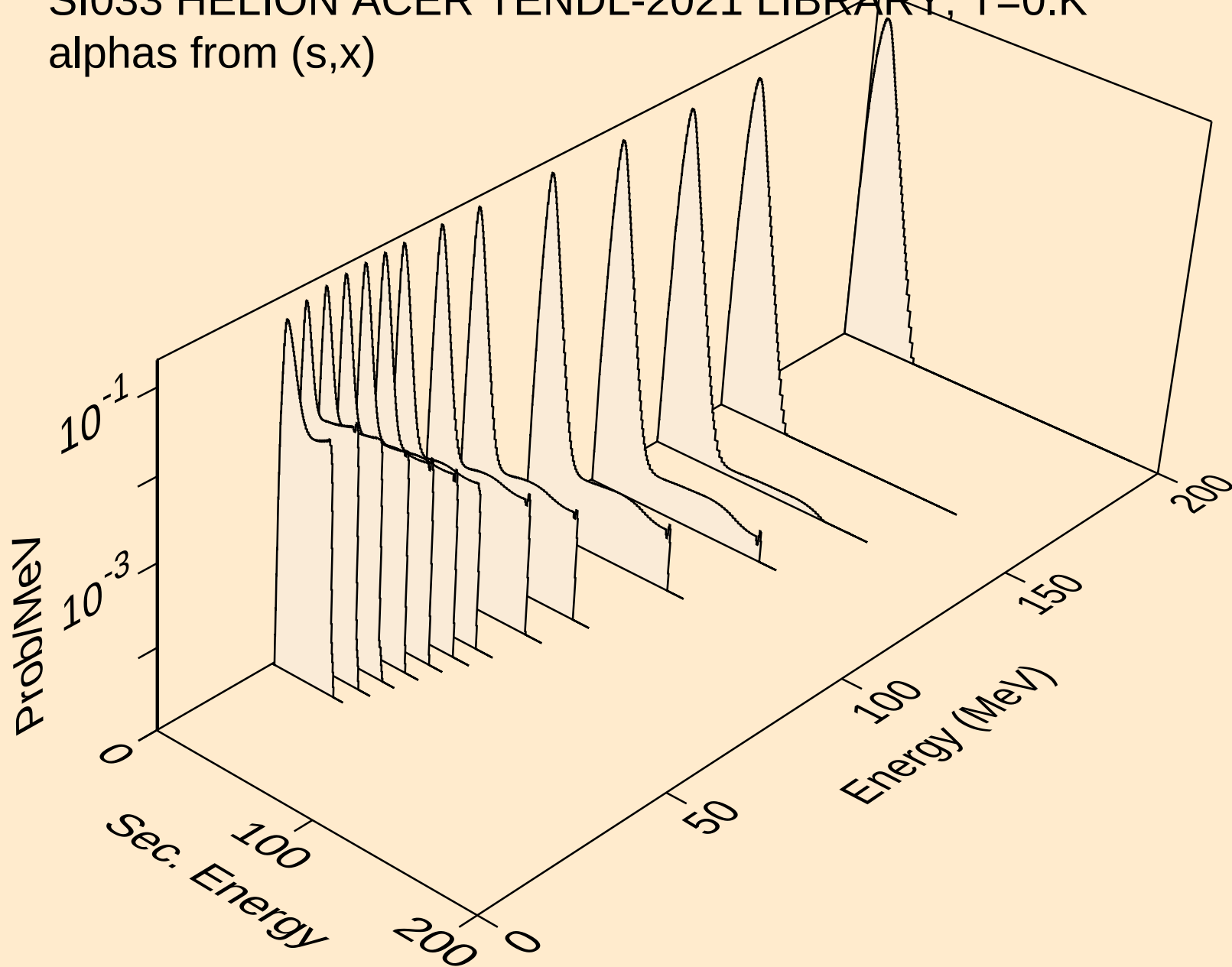
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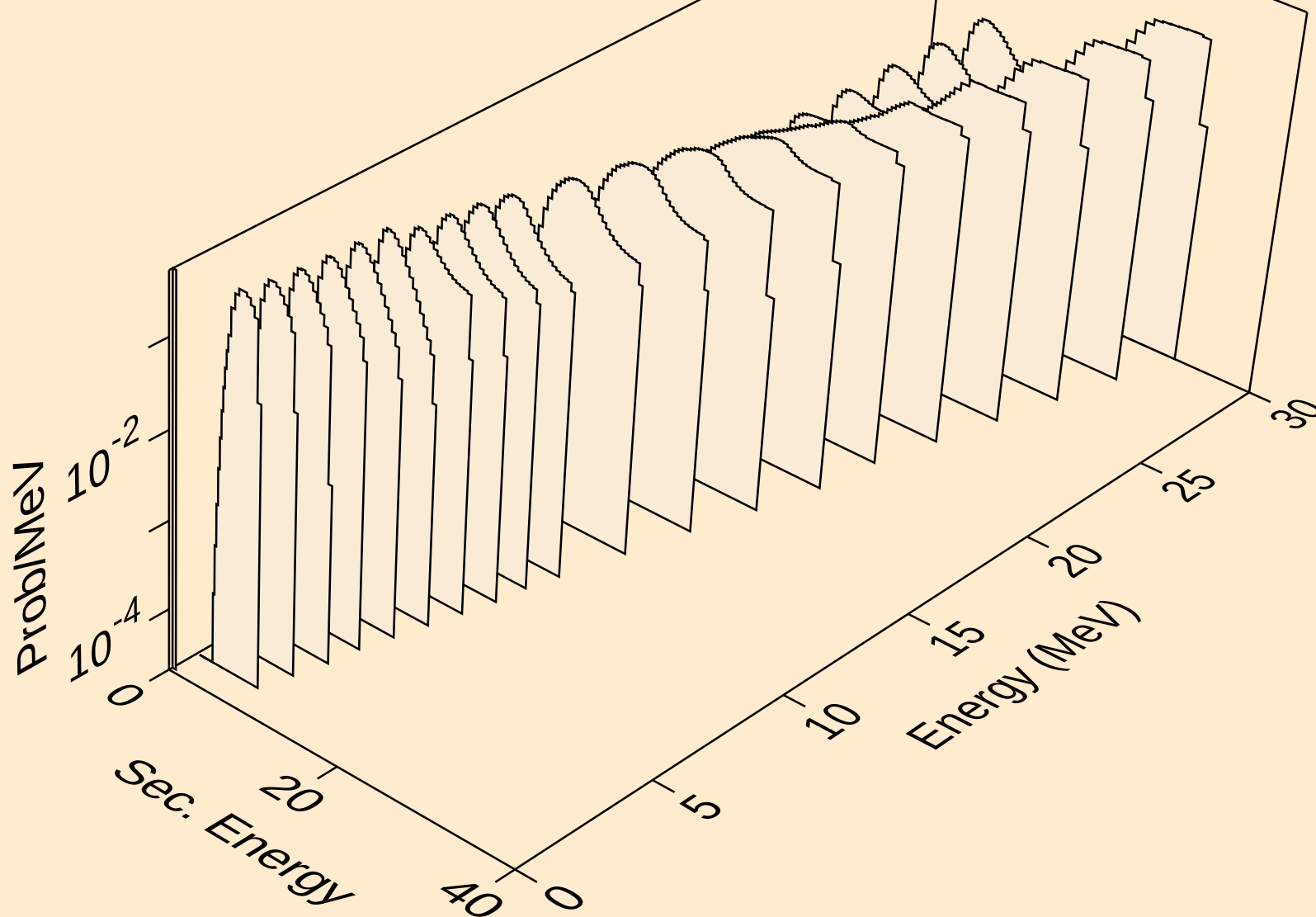
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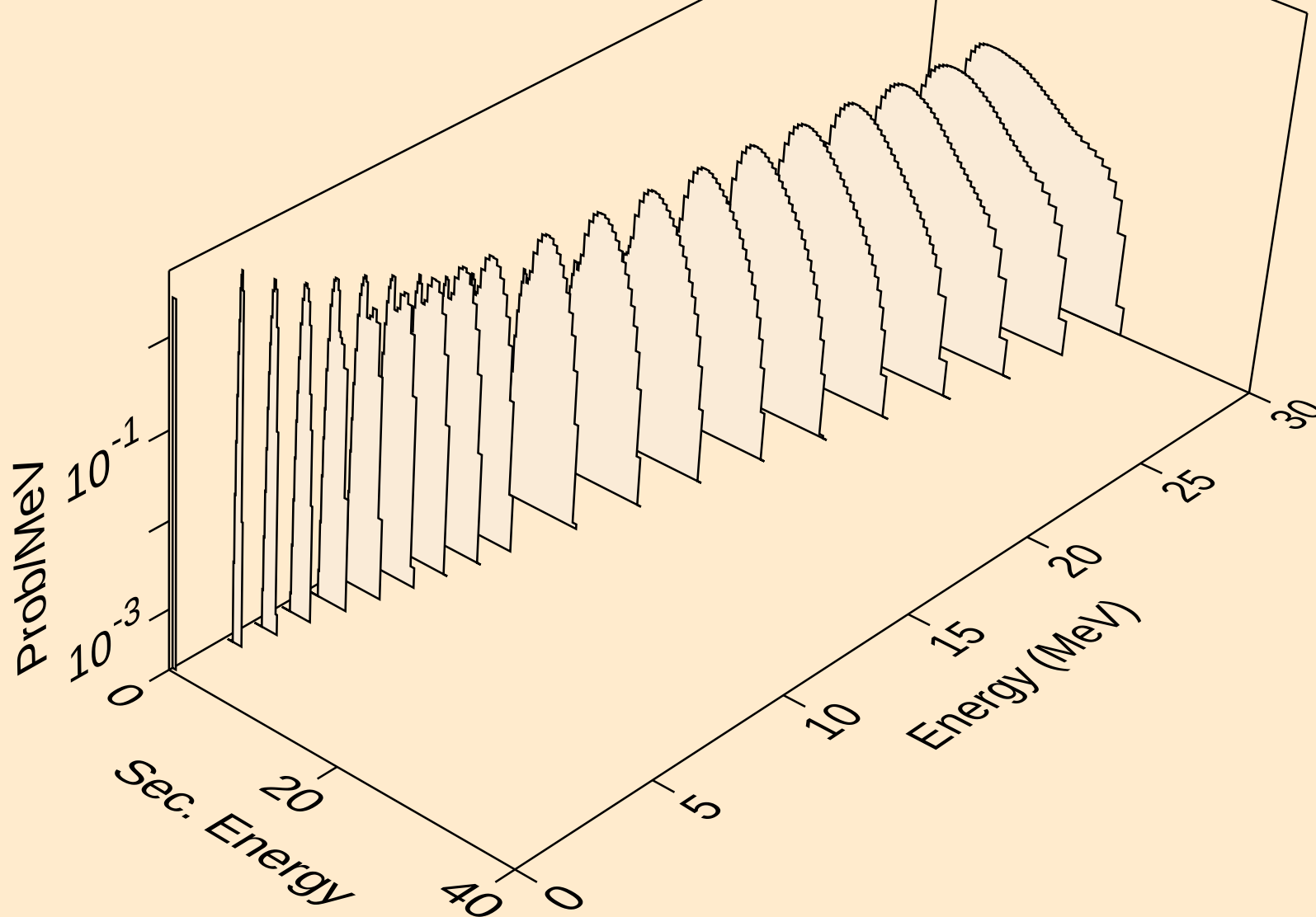
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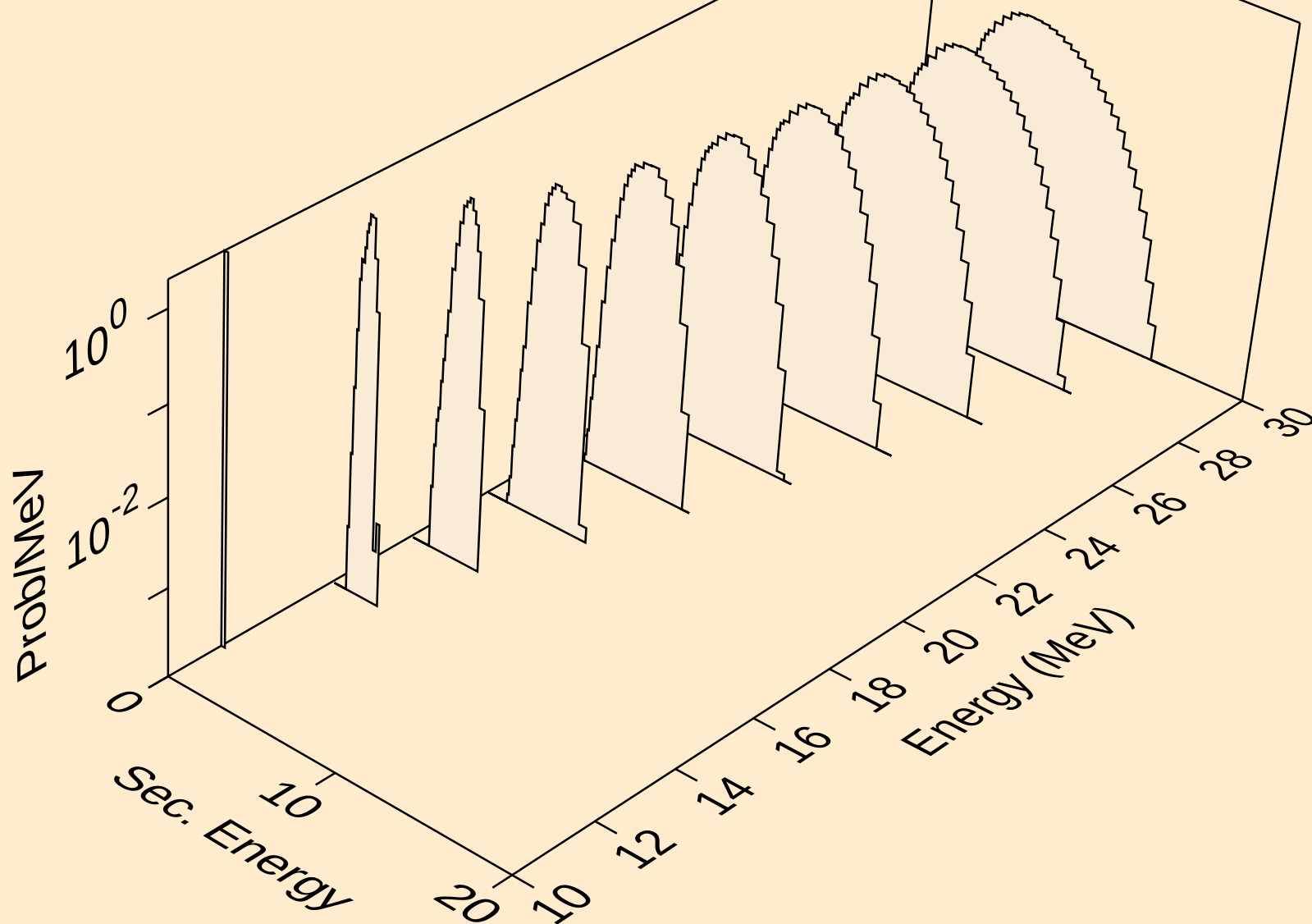
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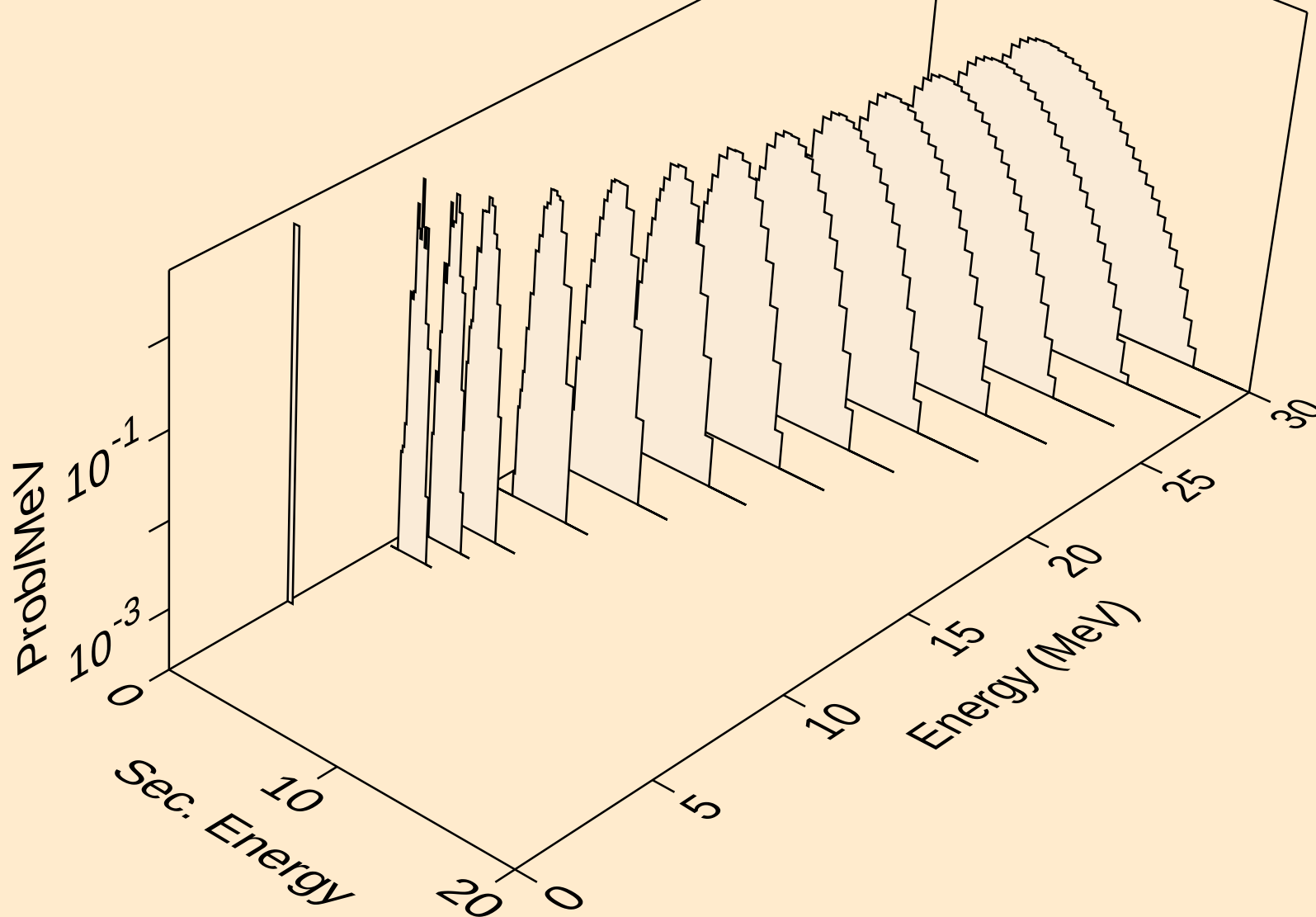
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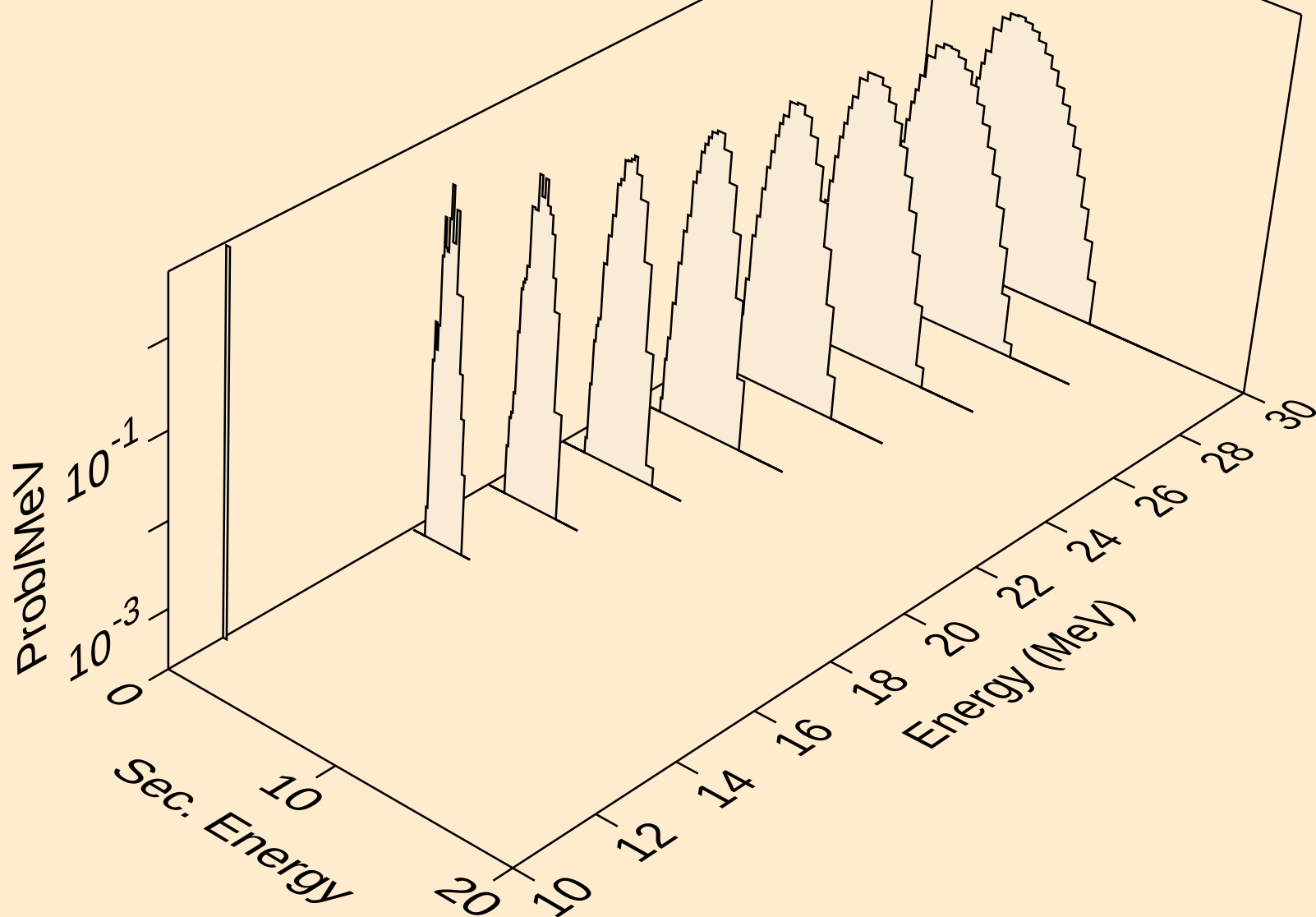
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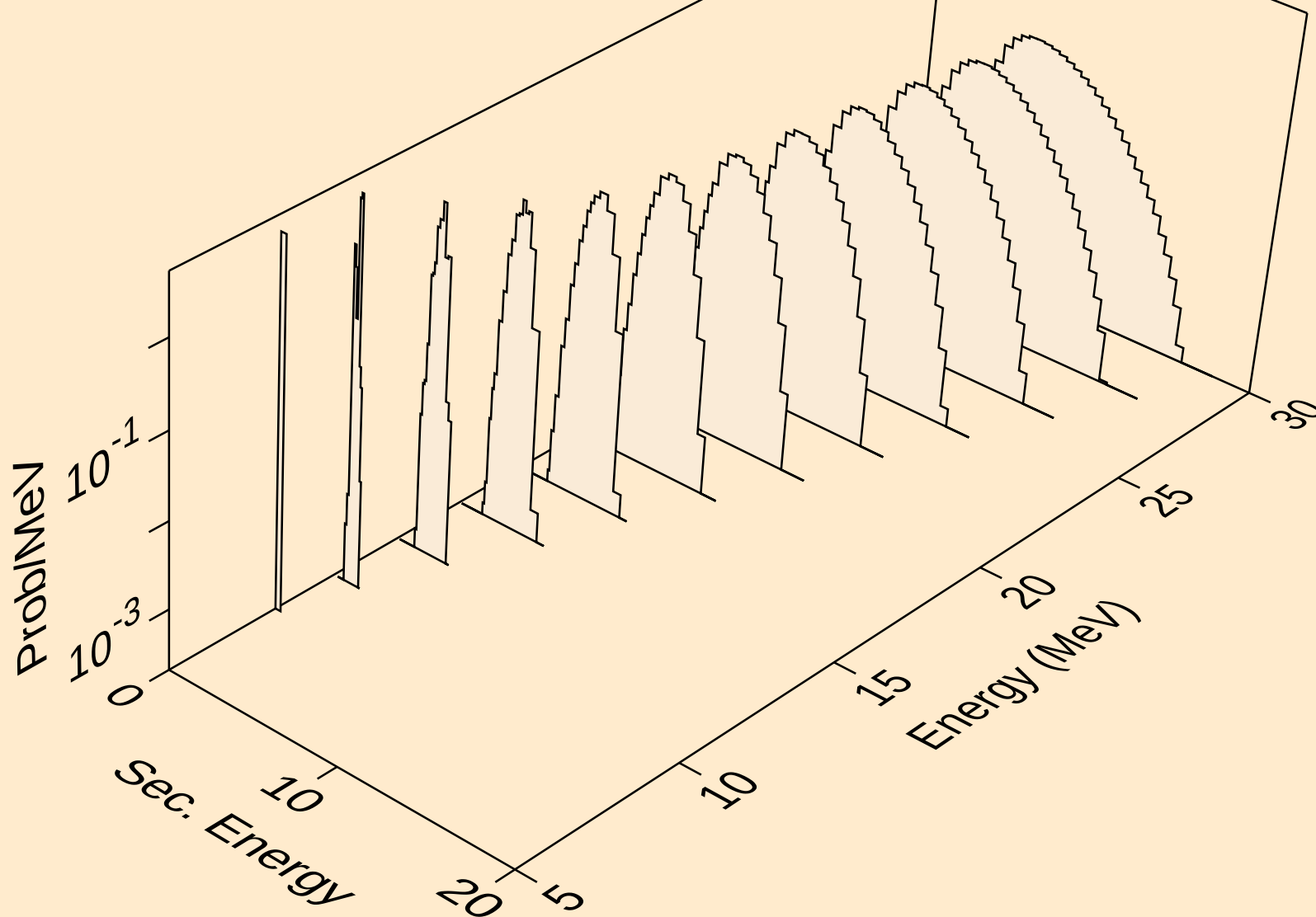
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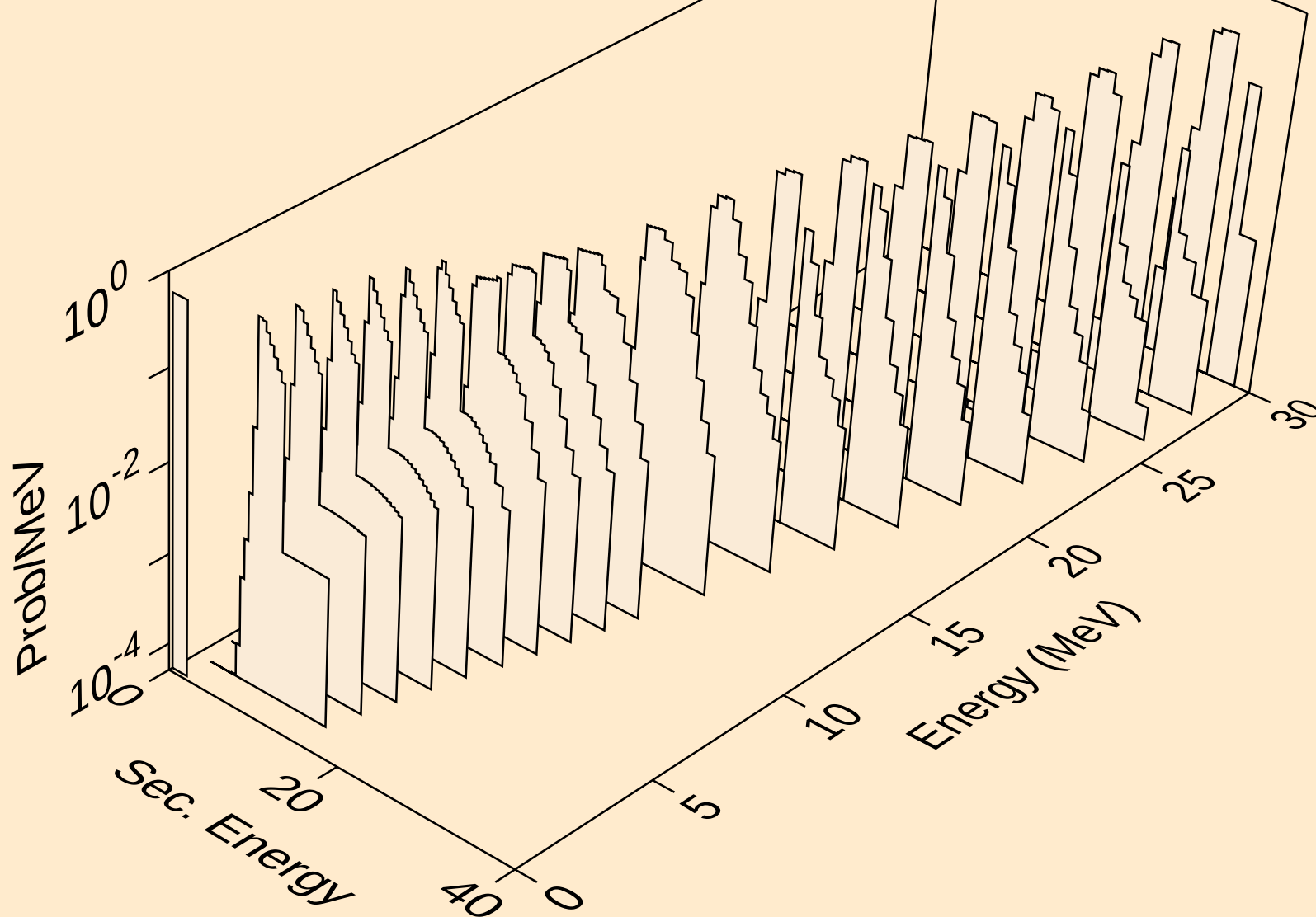
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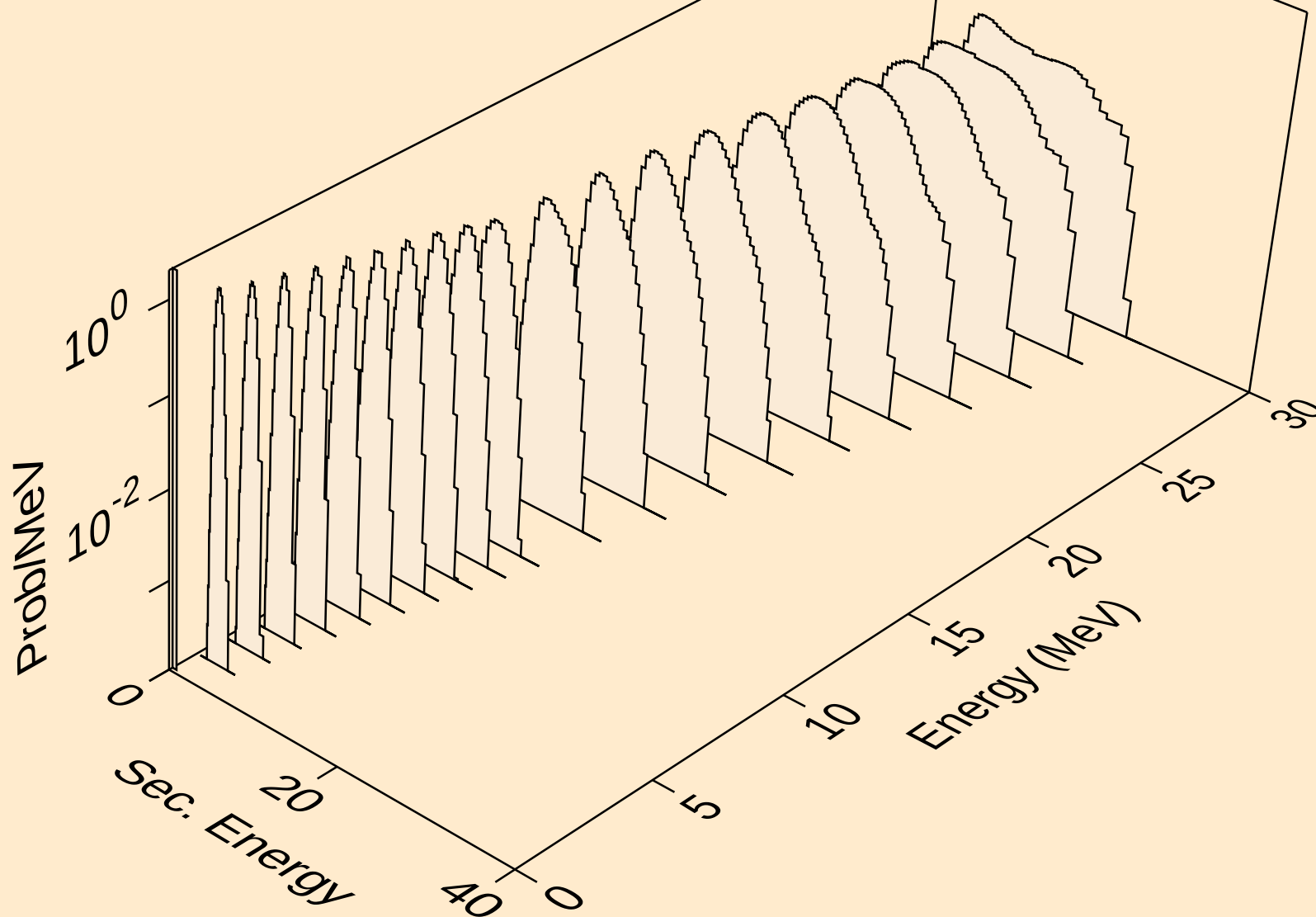
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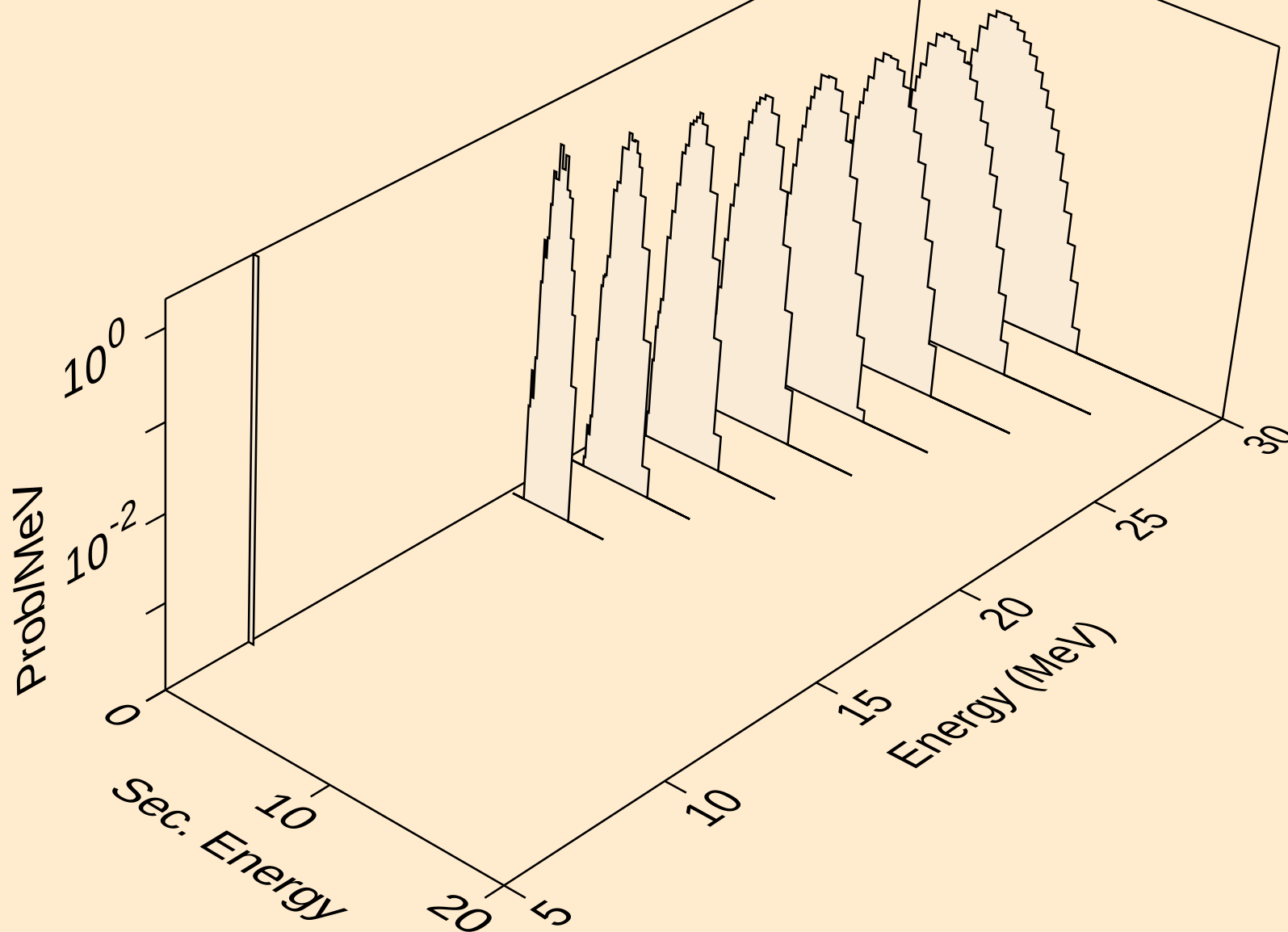
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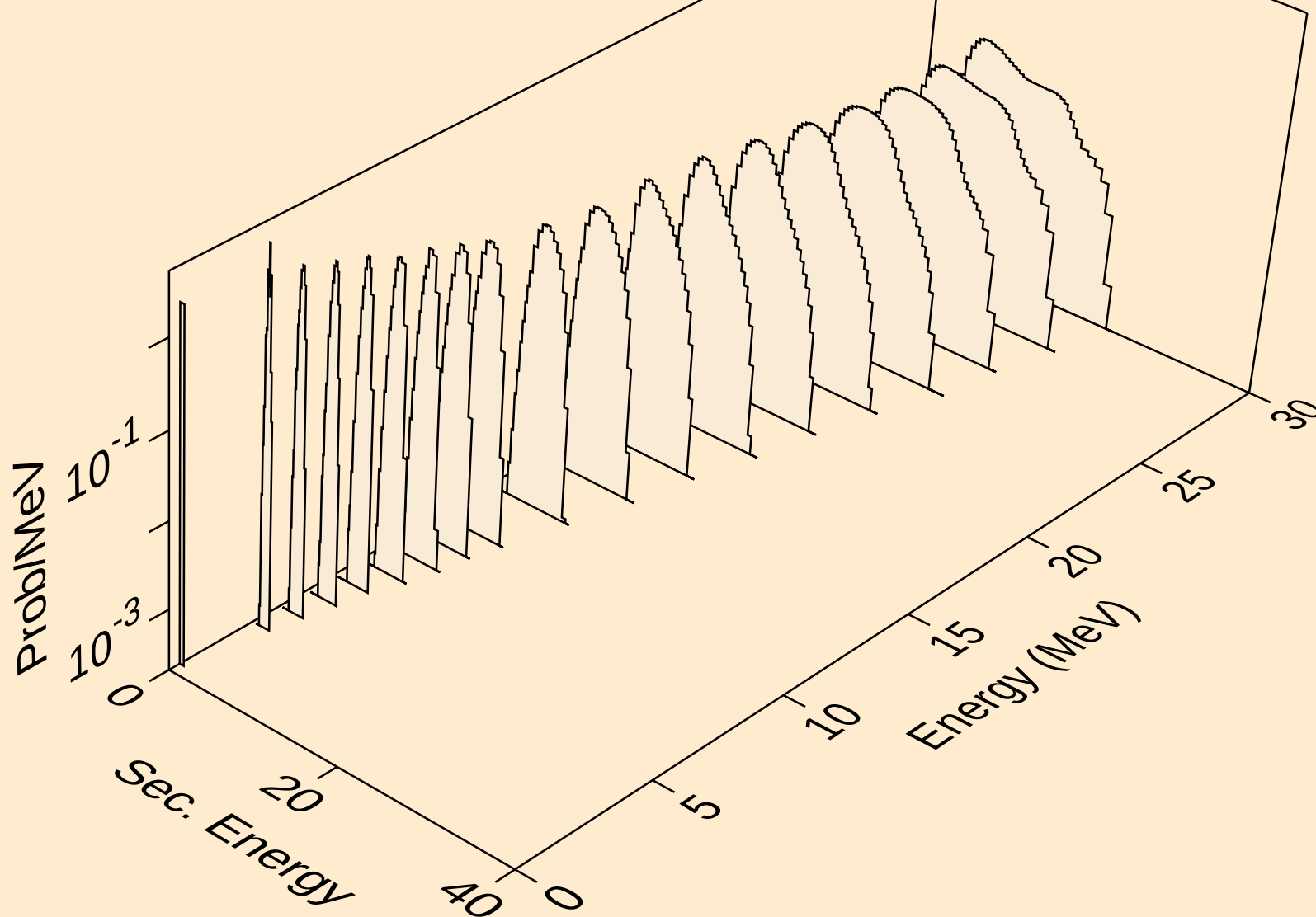
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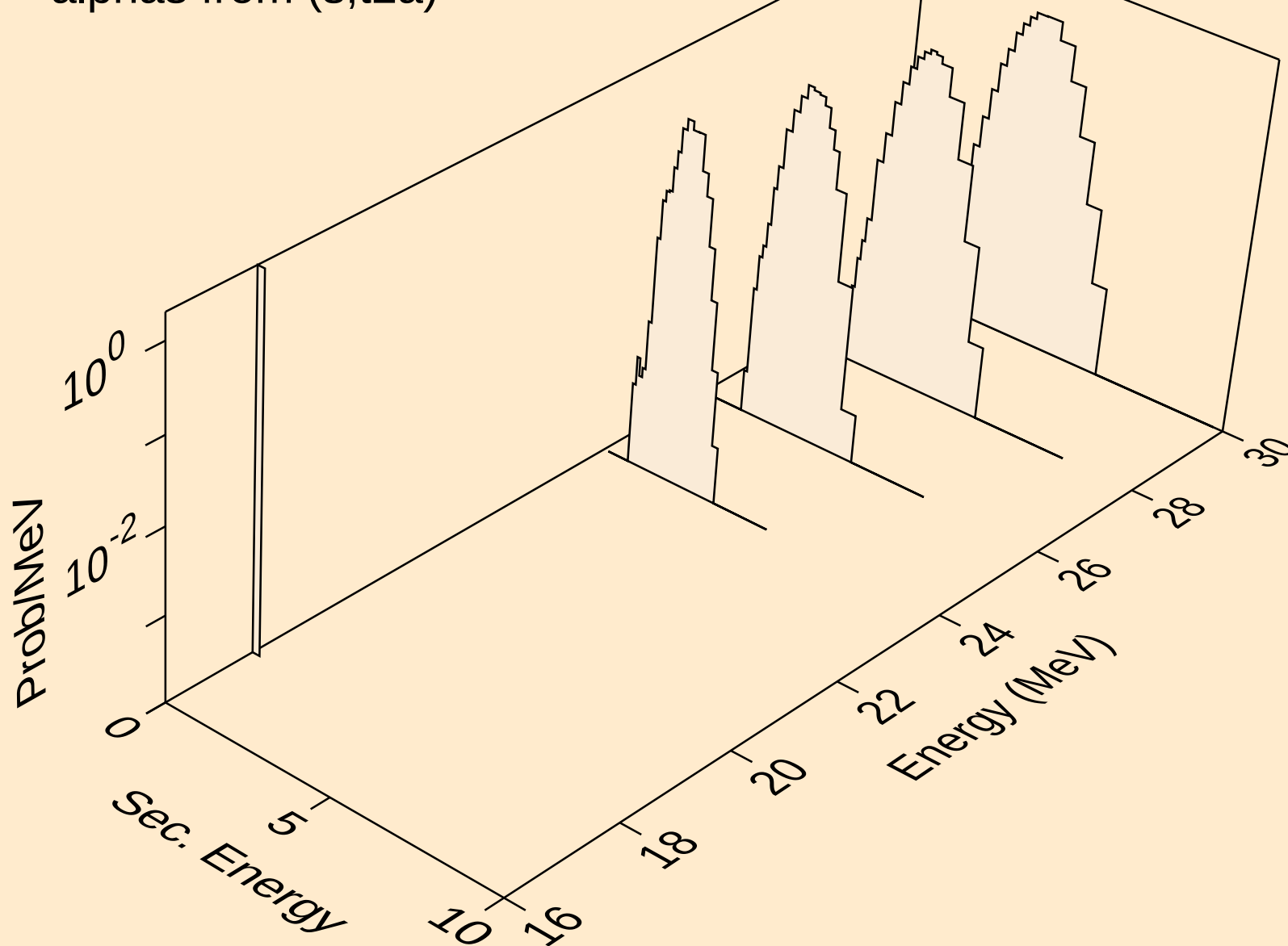
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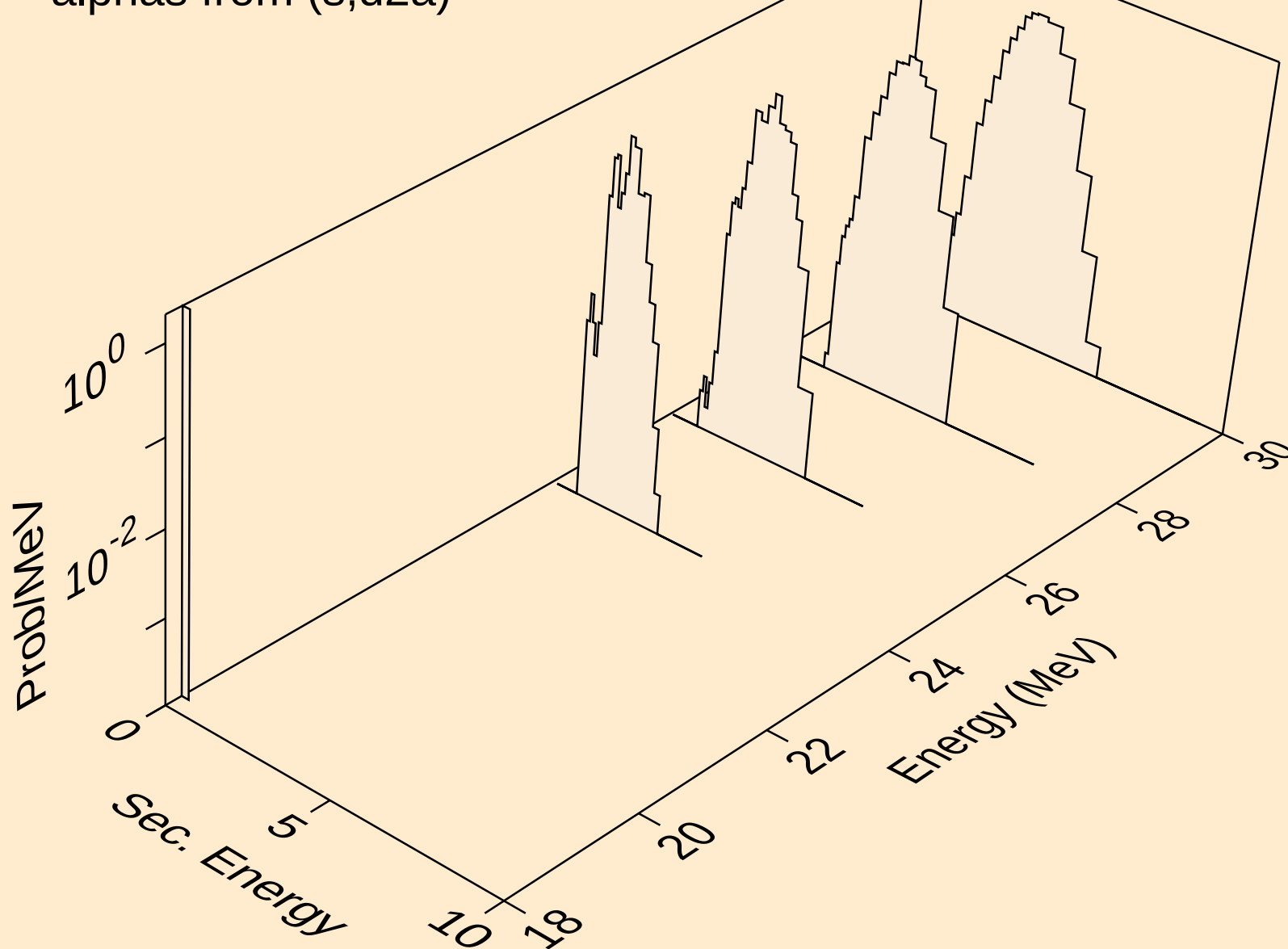
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alphas from (s,pa)



SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,t2a)



SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,d2a)



SI033 HELION ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (s,da)

