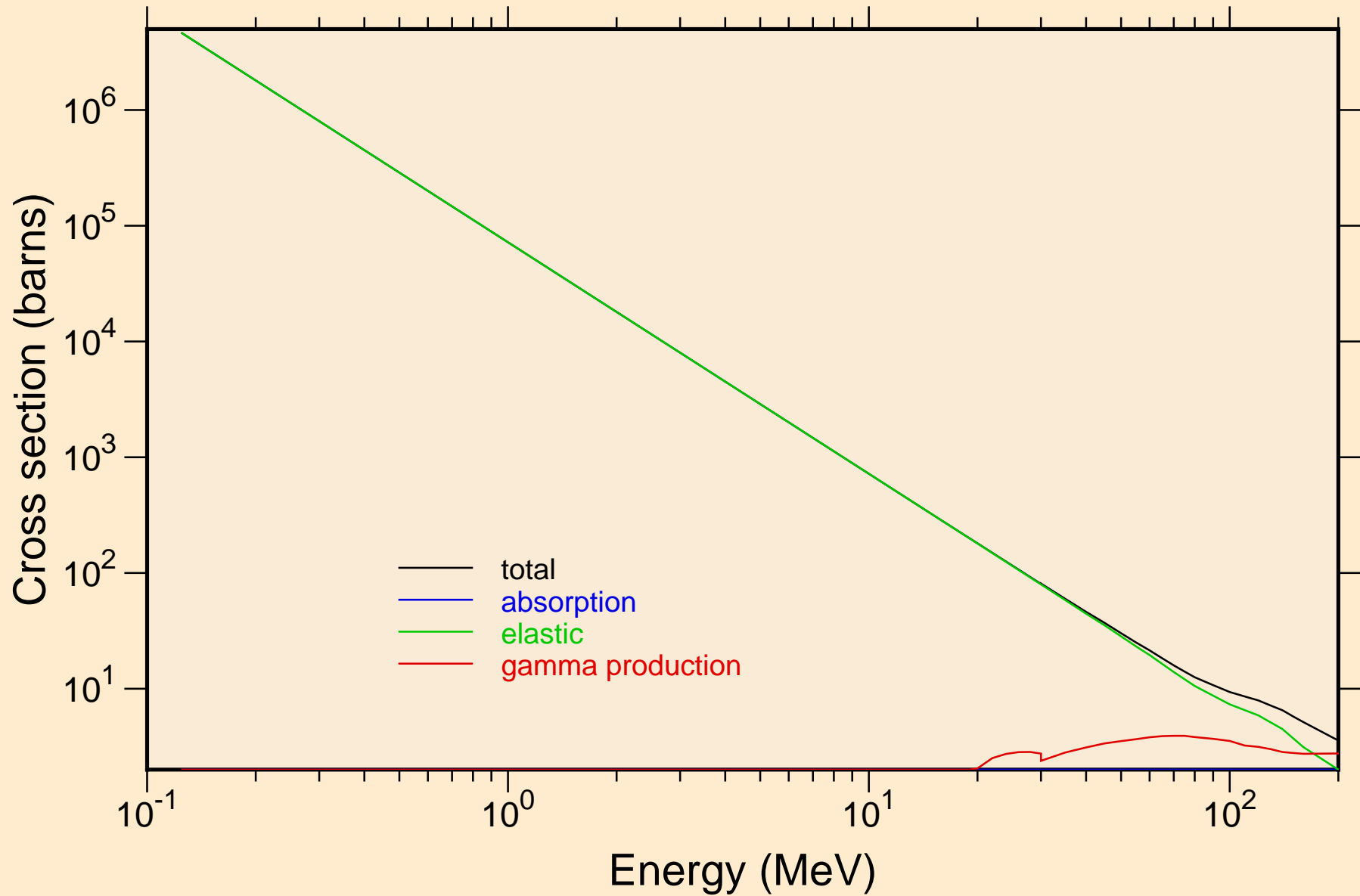
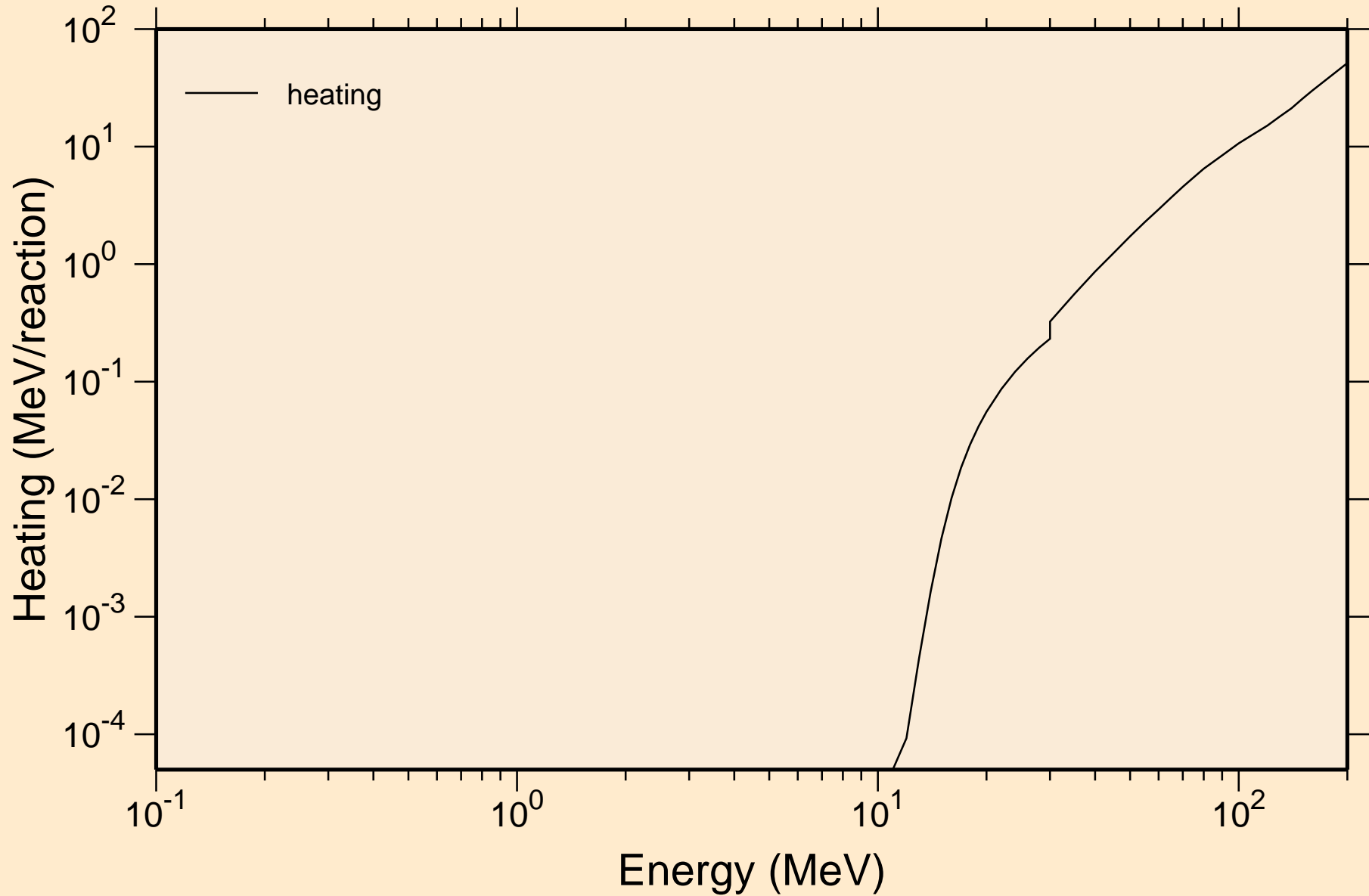


I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



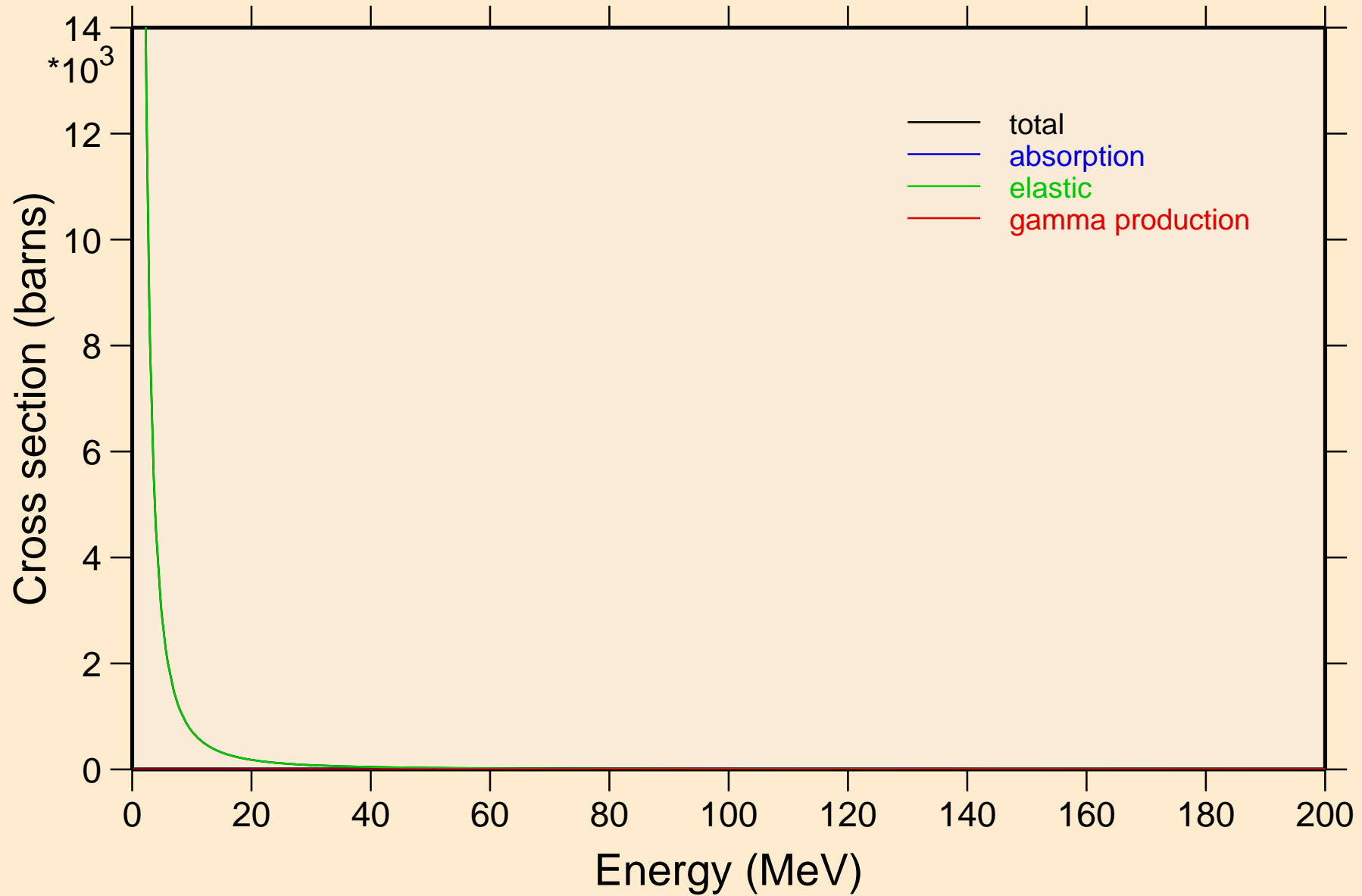
# I136 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Heating



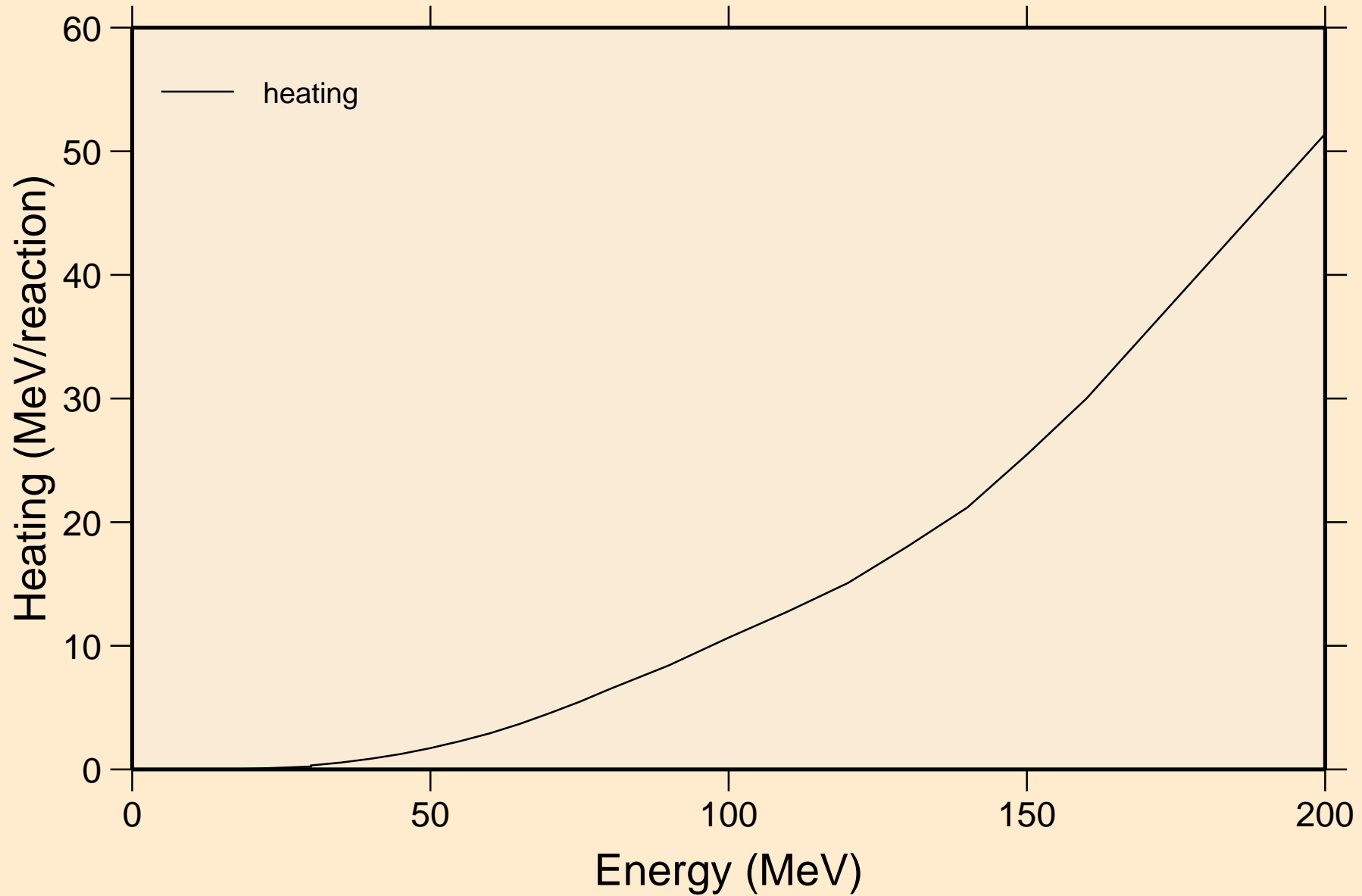
# I136 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

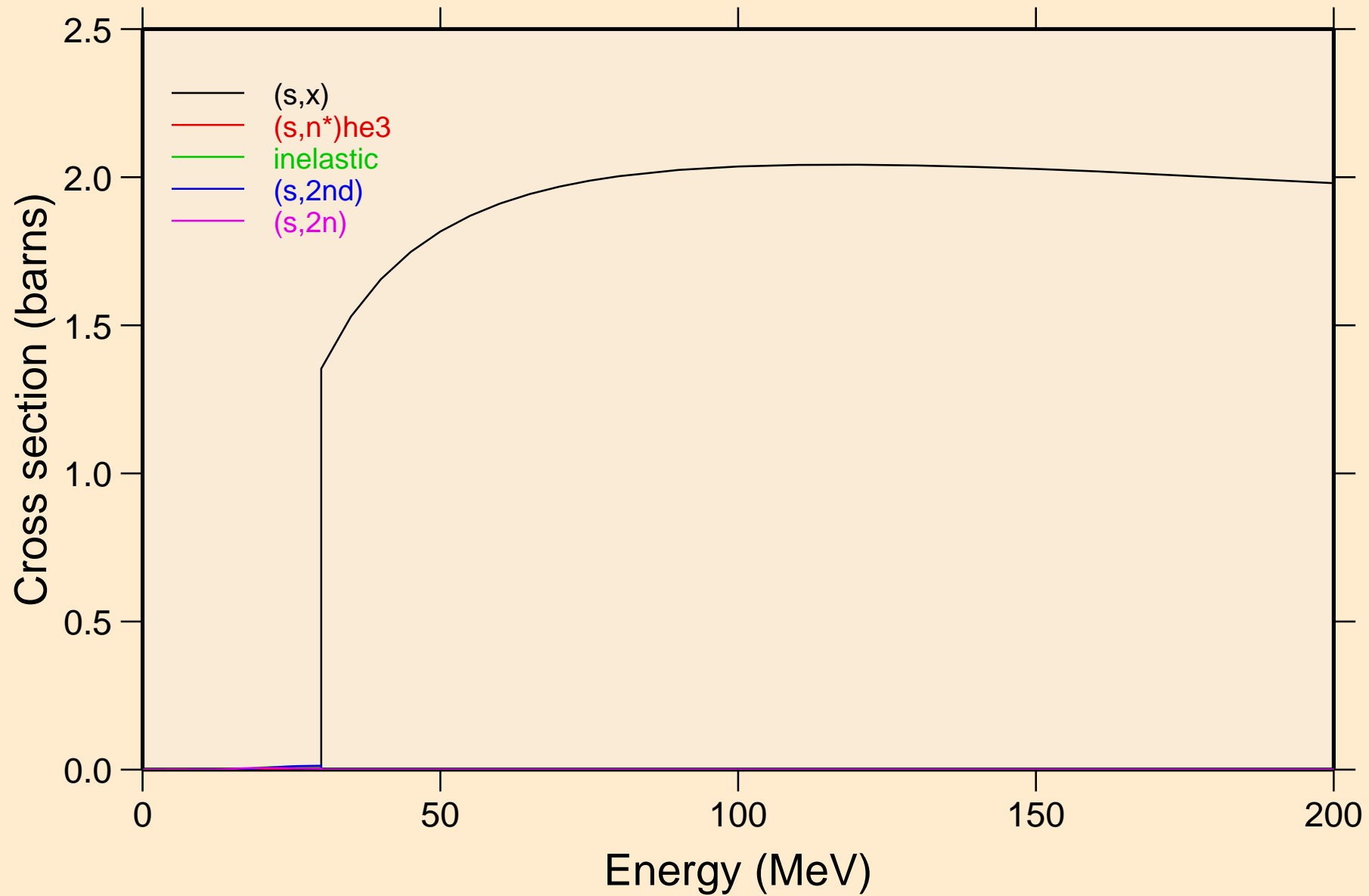


# I136 HELION ACER TENDL-2023 LIBRARY; T=0.K

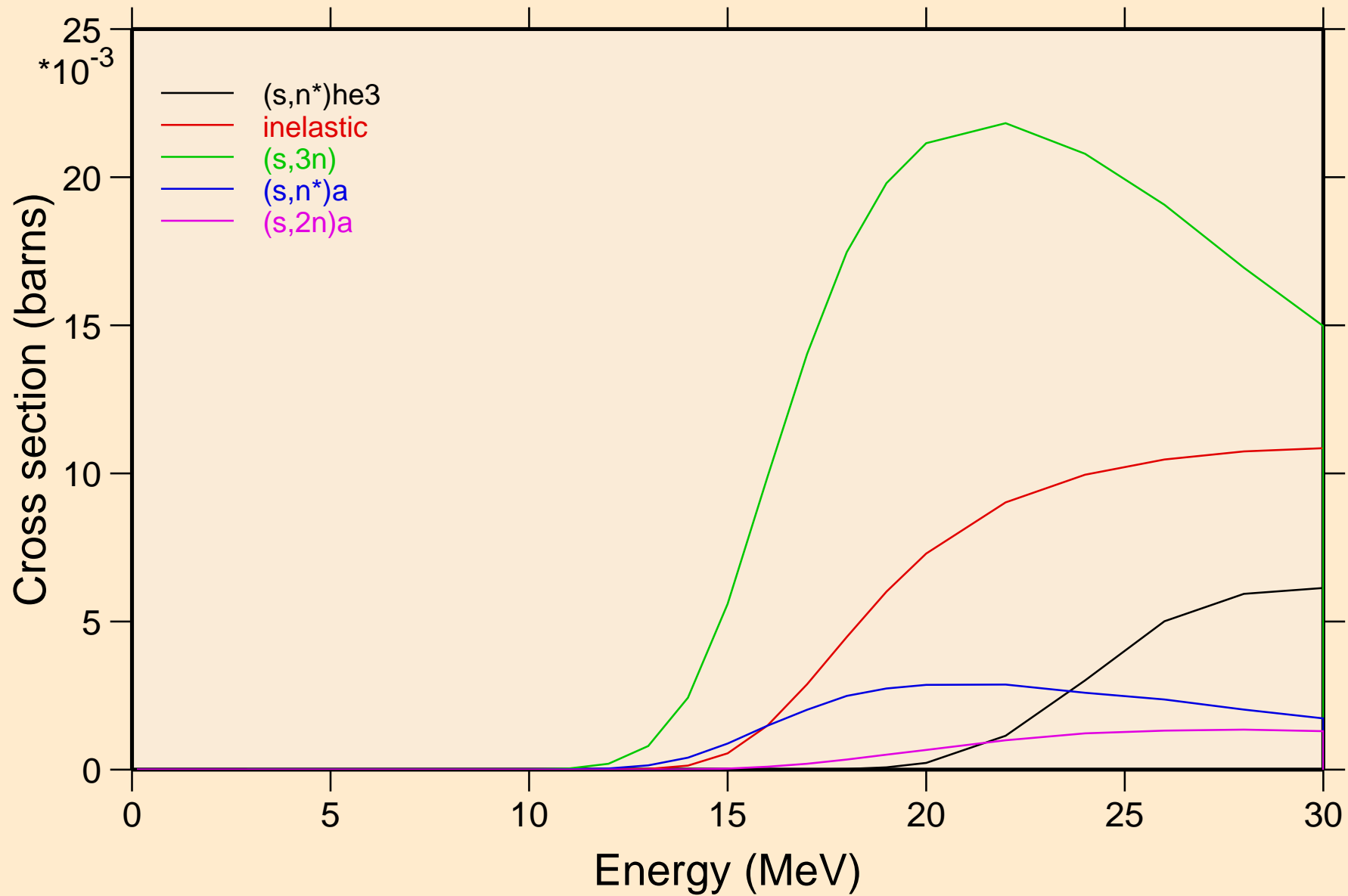
## Heating



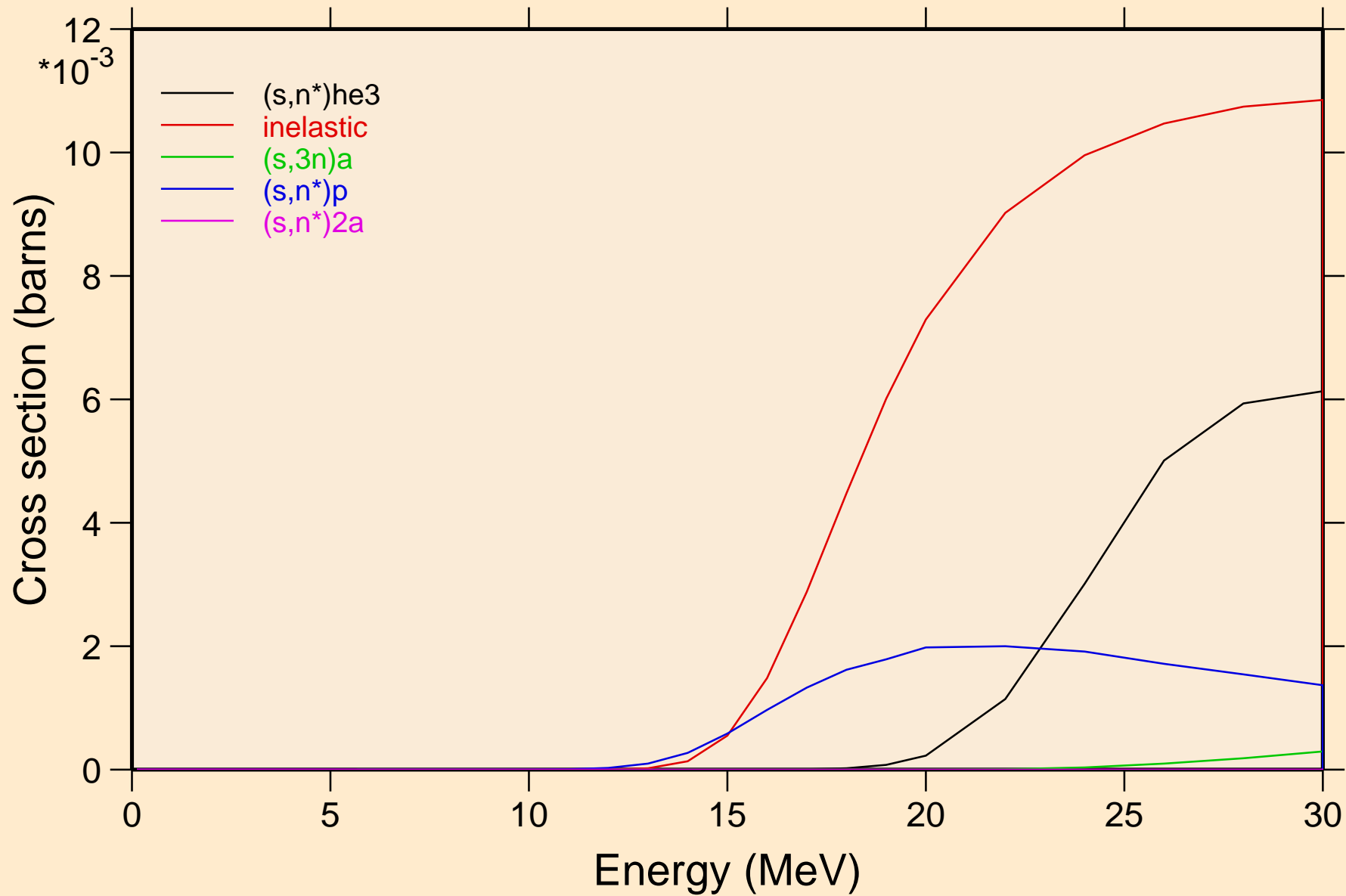
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



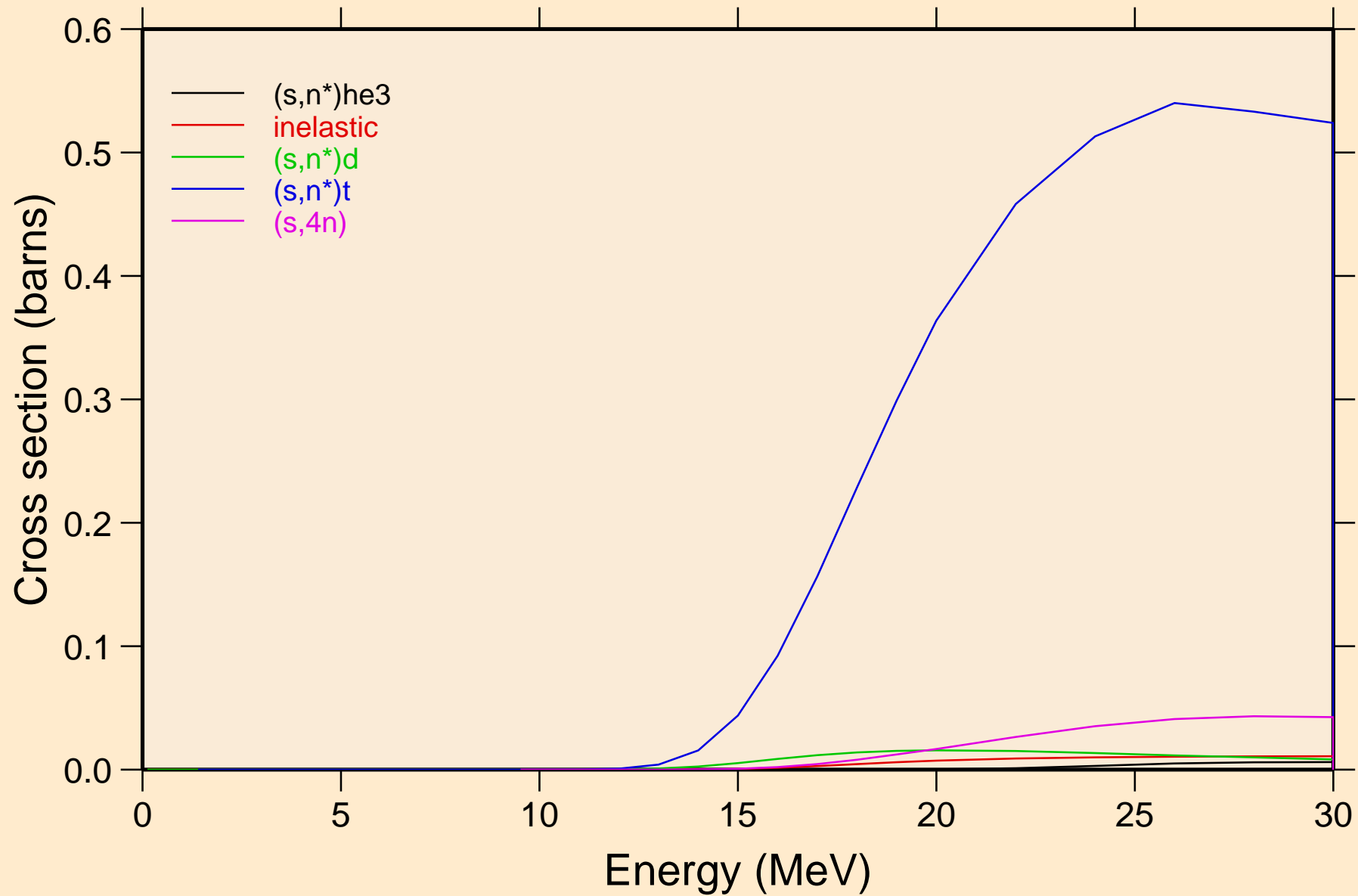
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

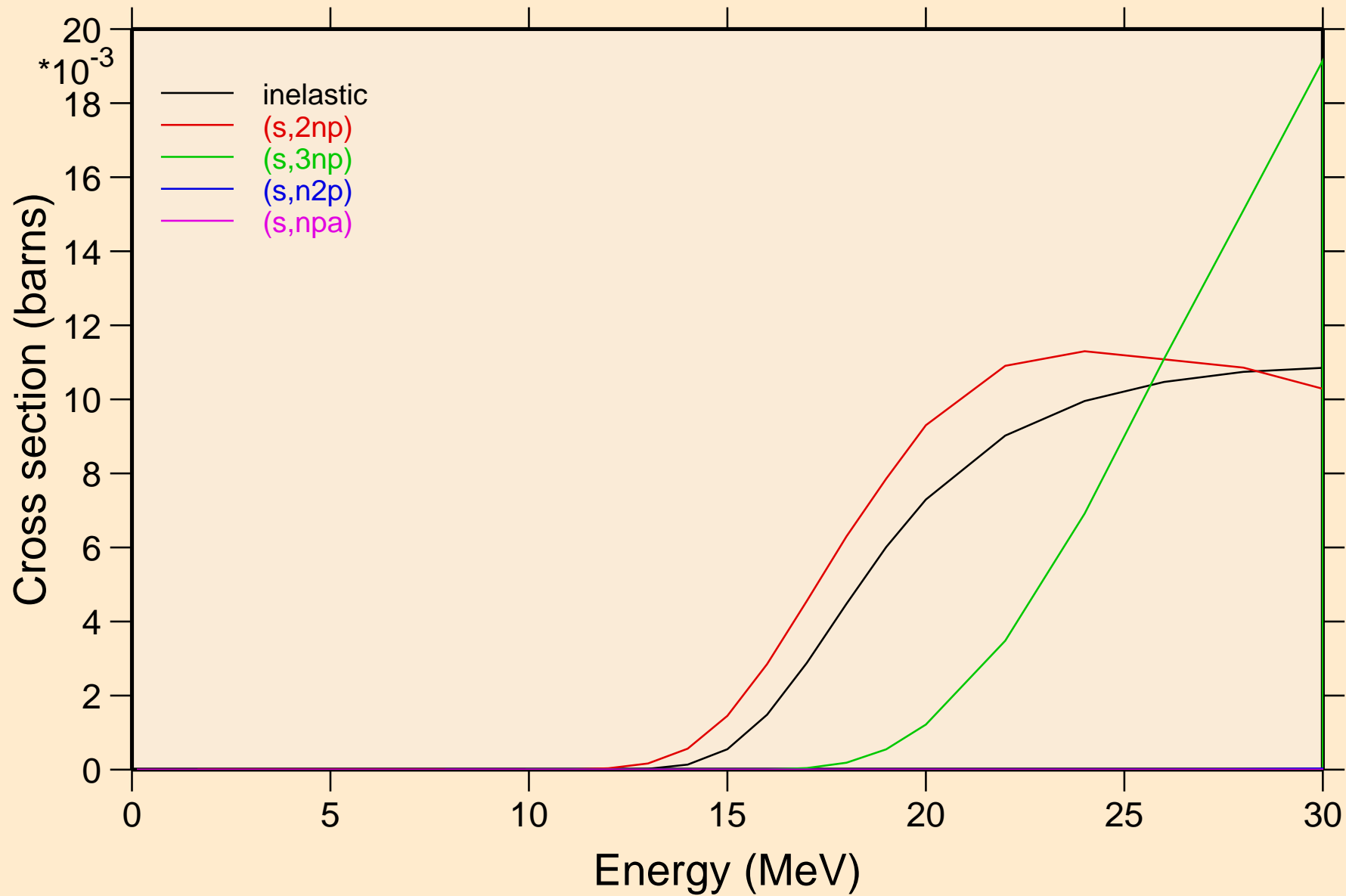


I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



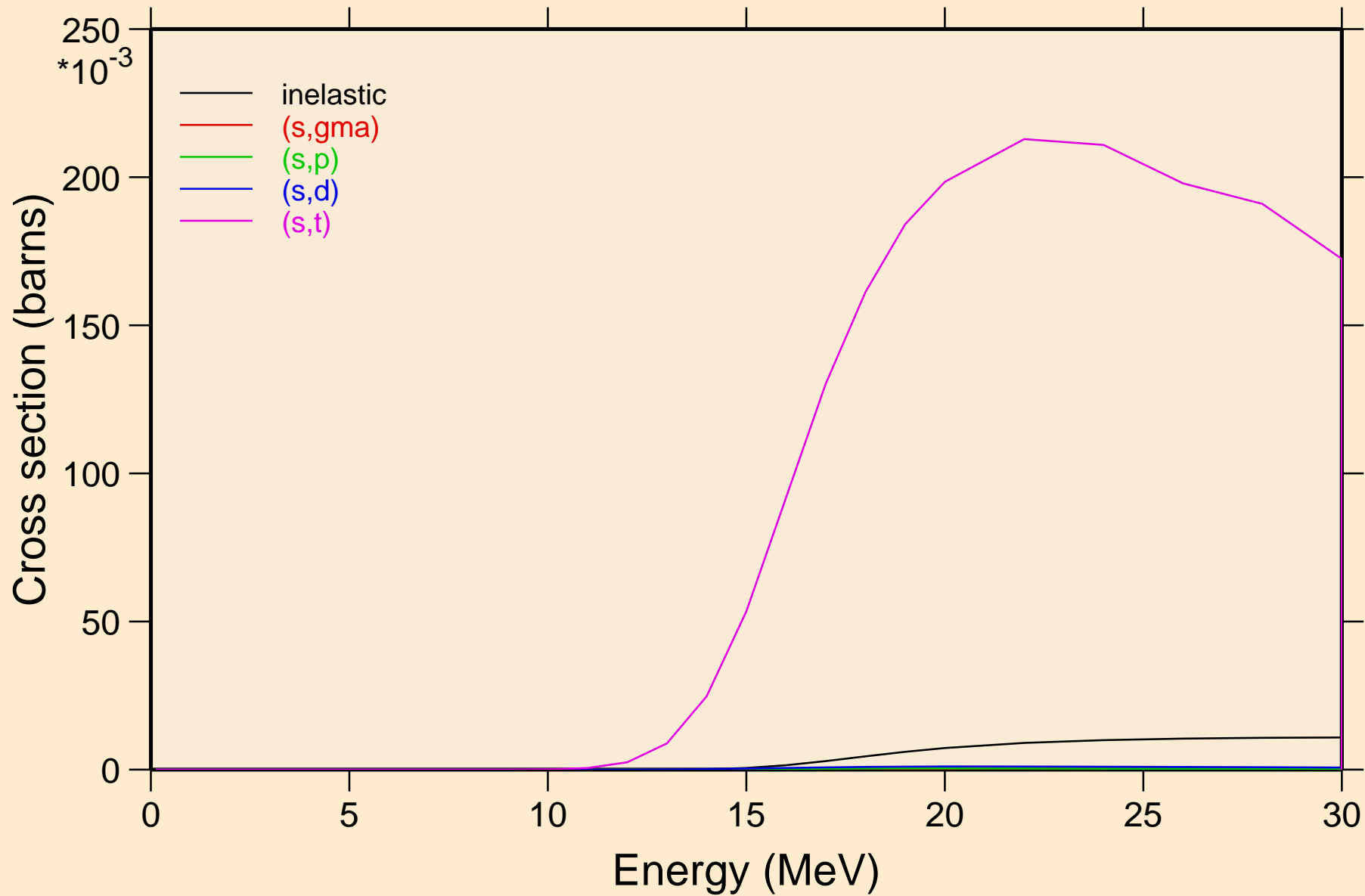
# I136 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

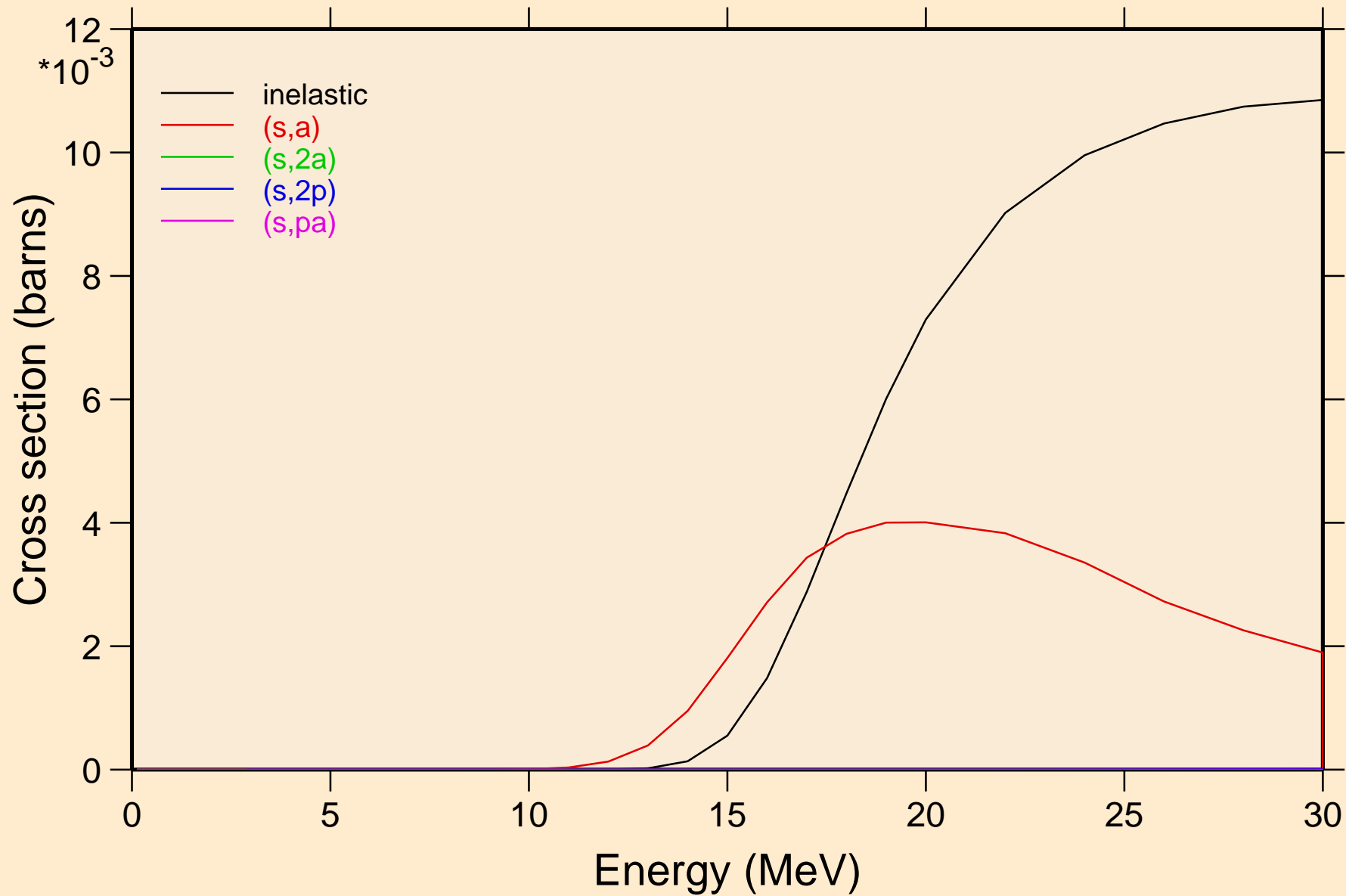


# I136 HELION ACER TENDL-2023 LIBRARY; T=0.K

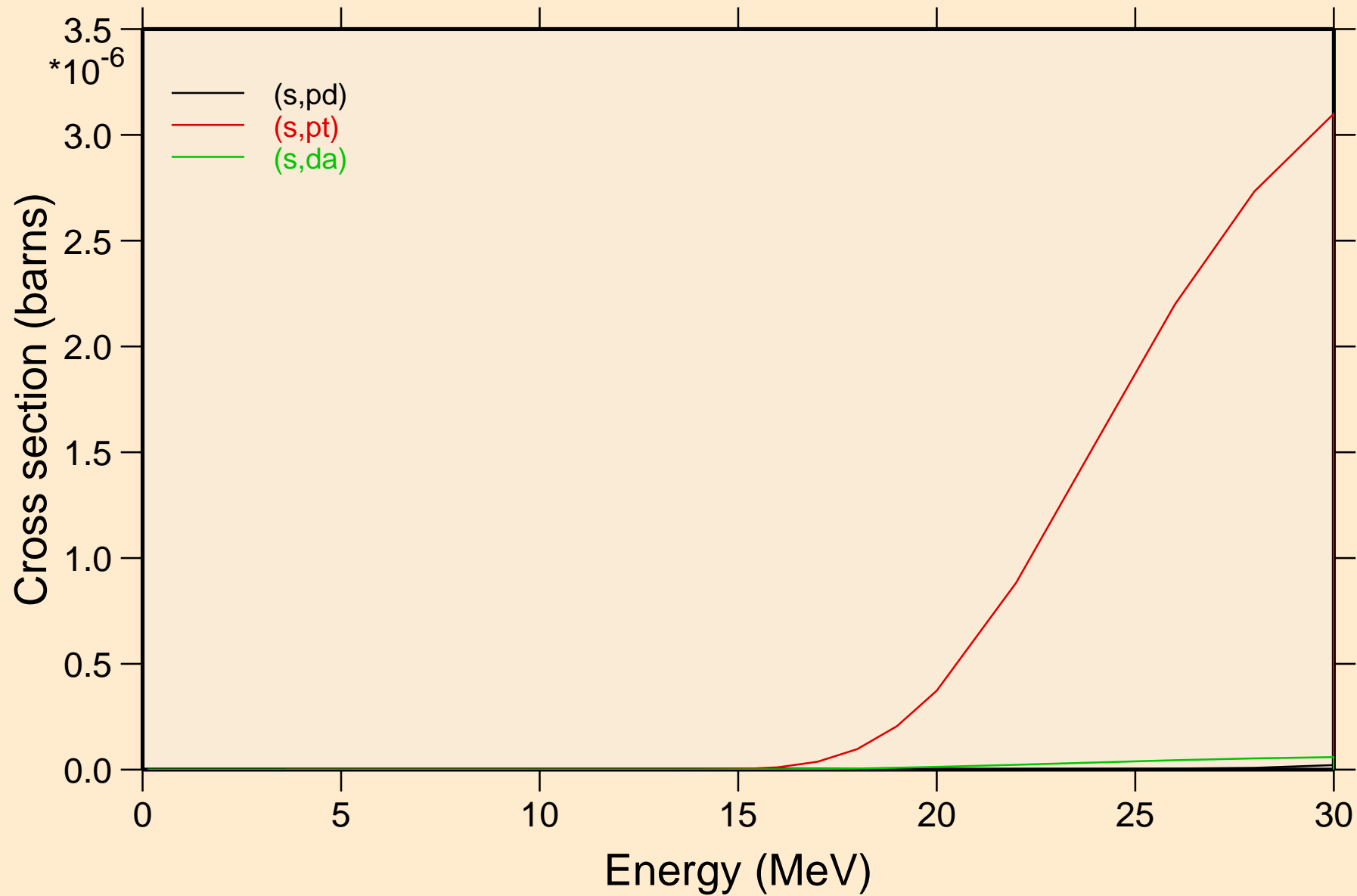
## Threshold reactions



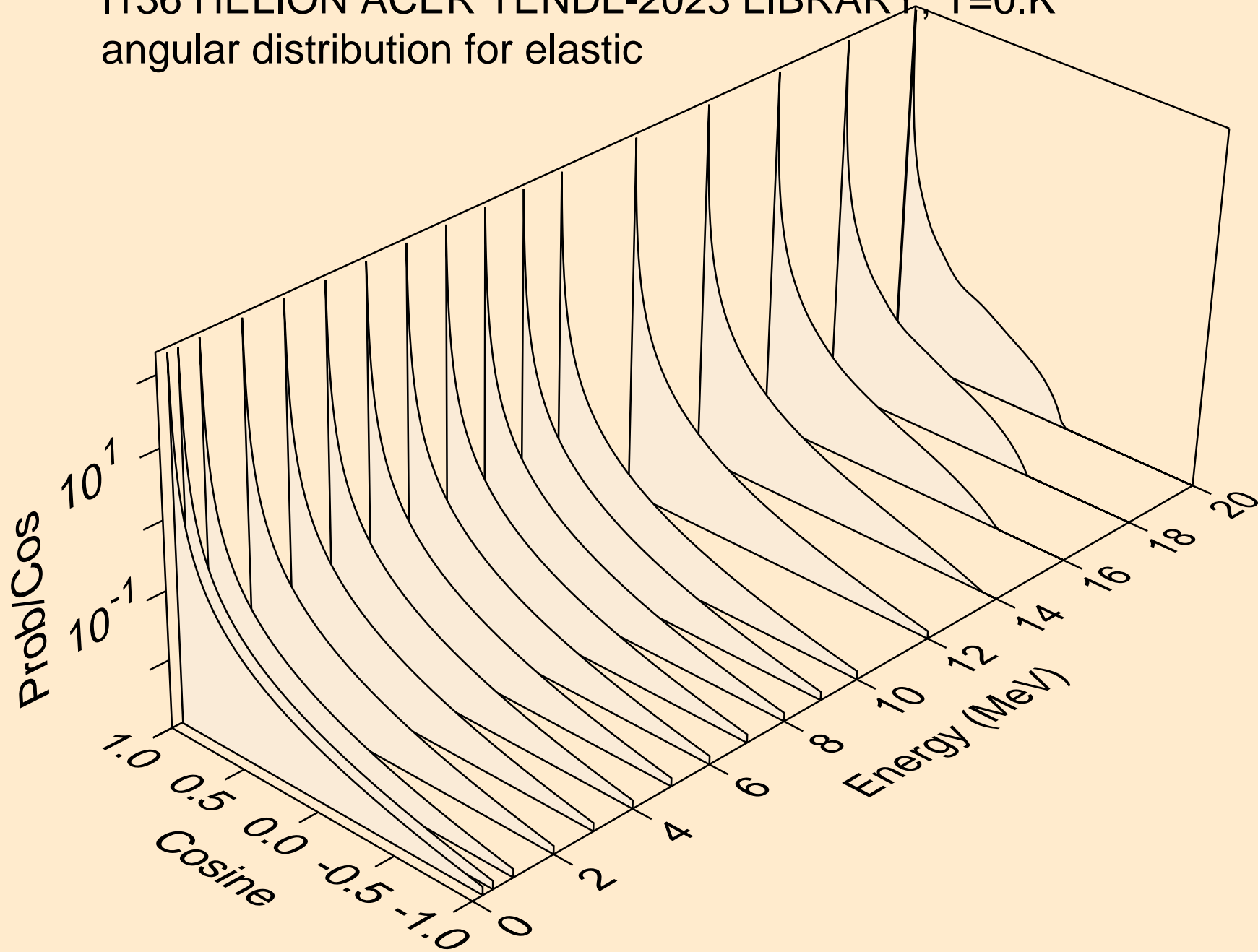
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Threshold reactions



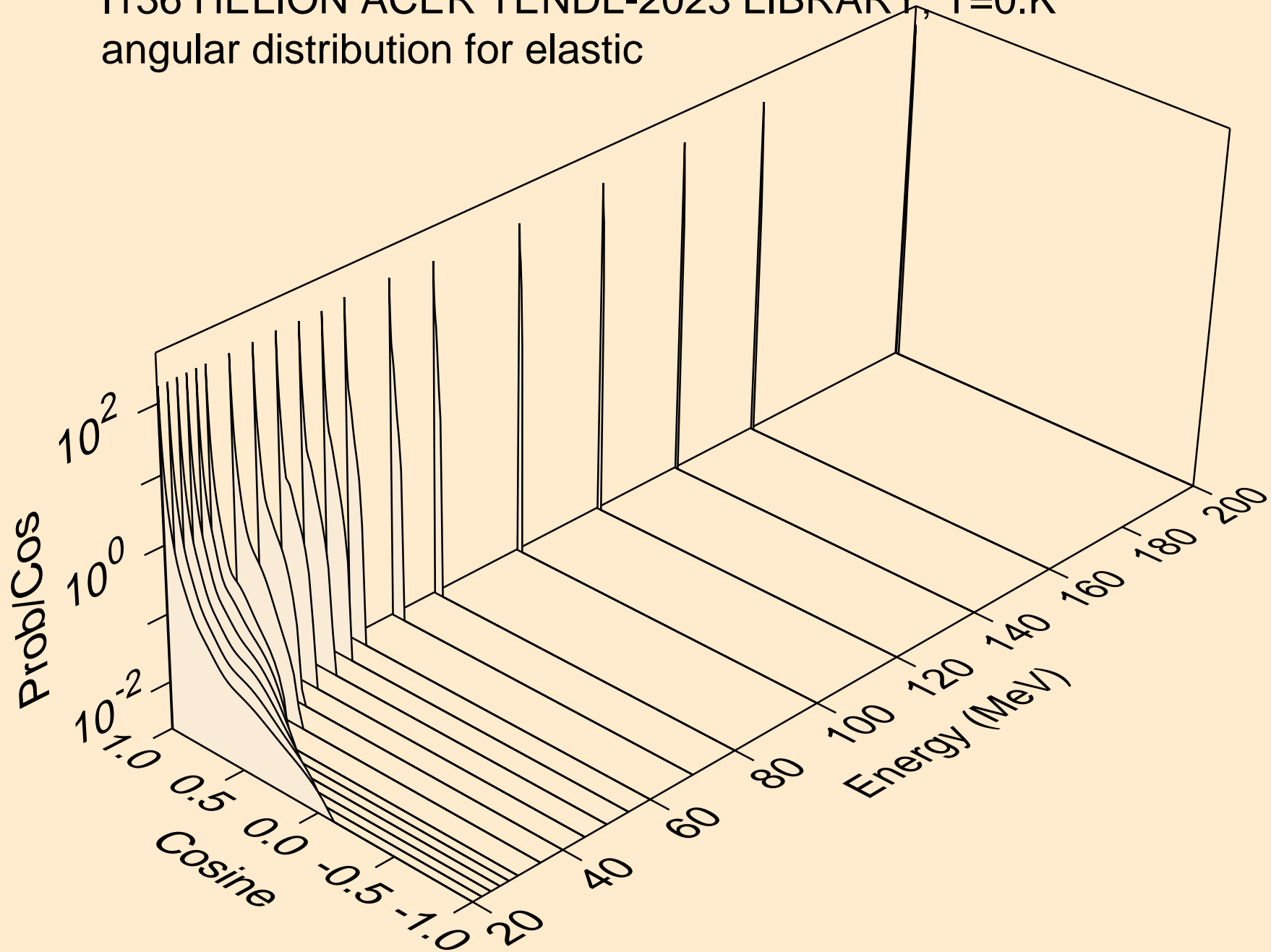
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



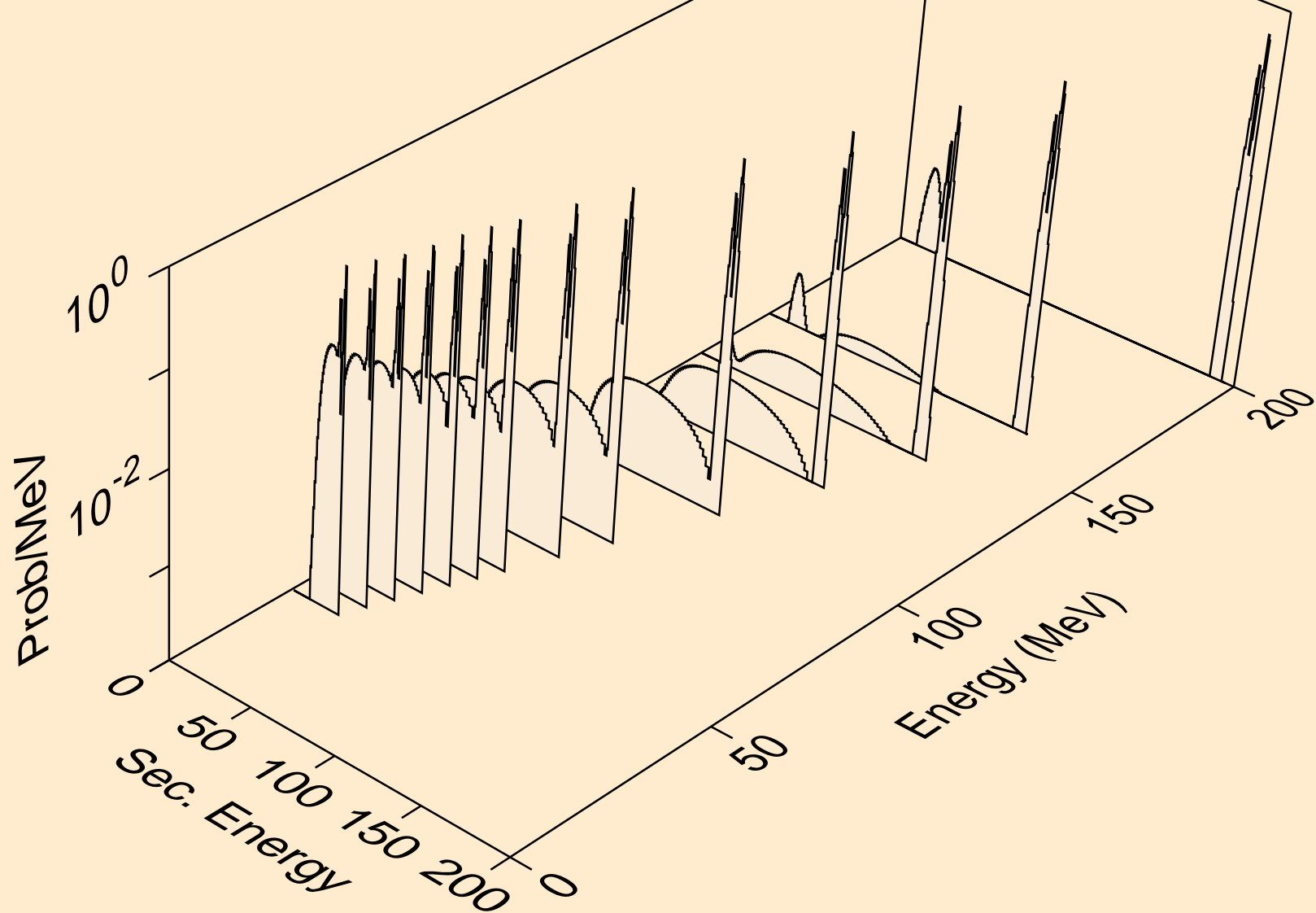
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



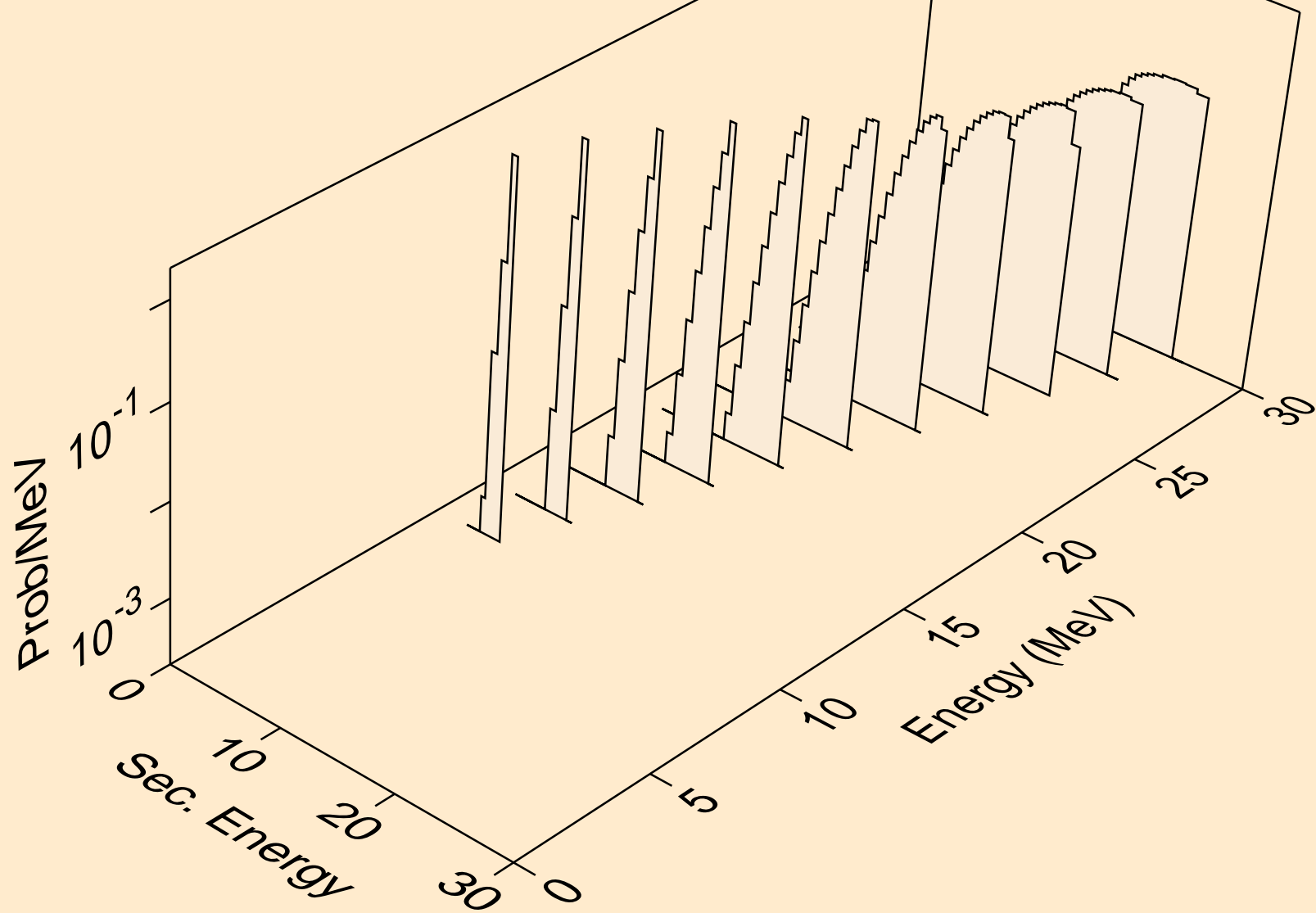
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



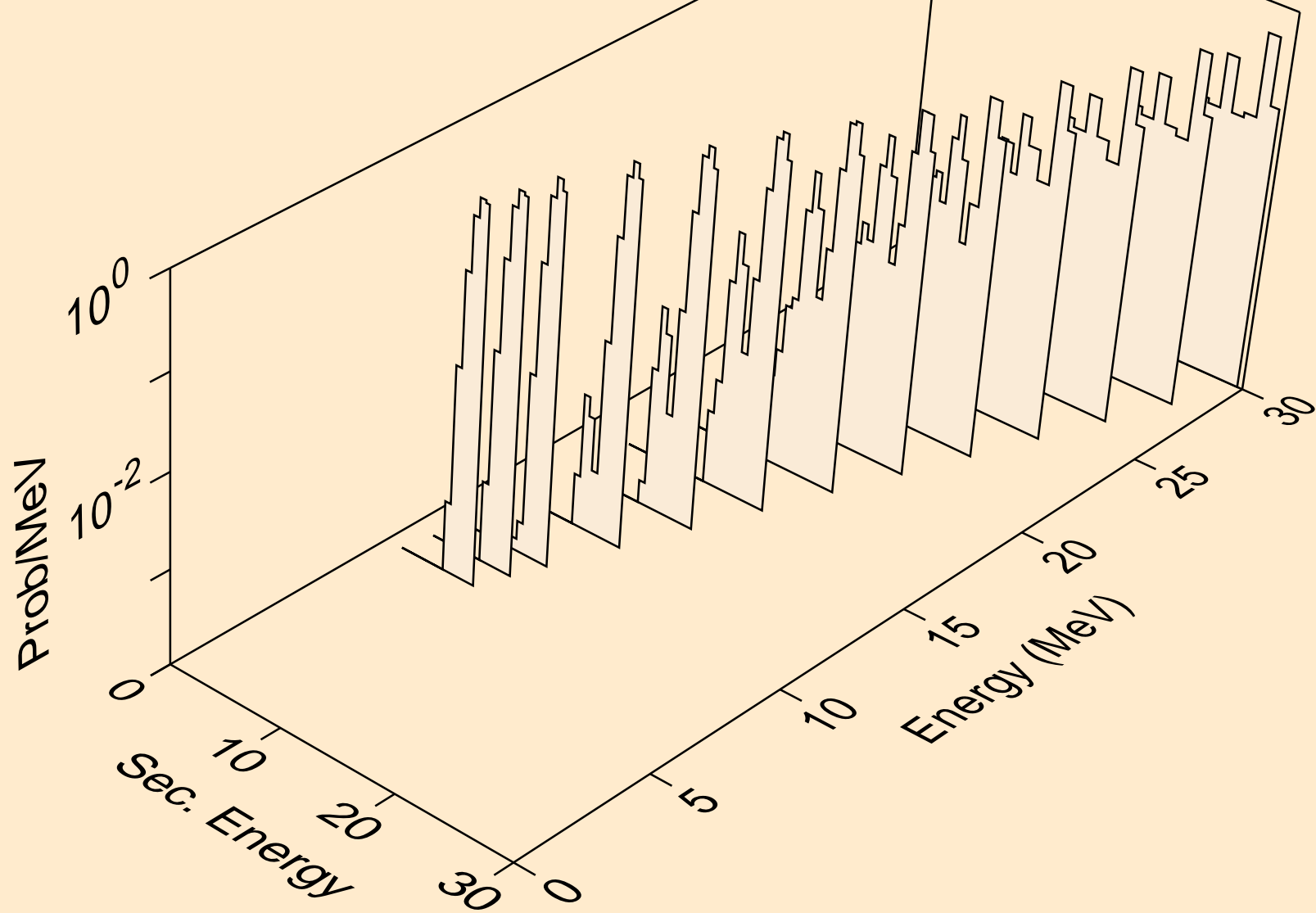
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)



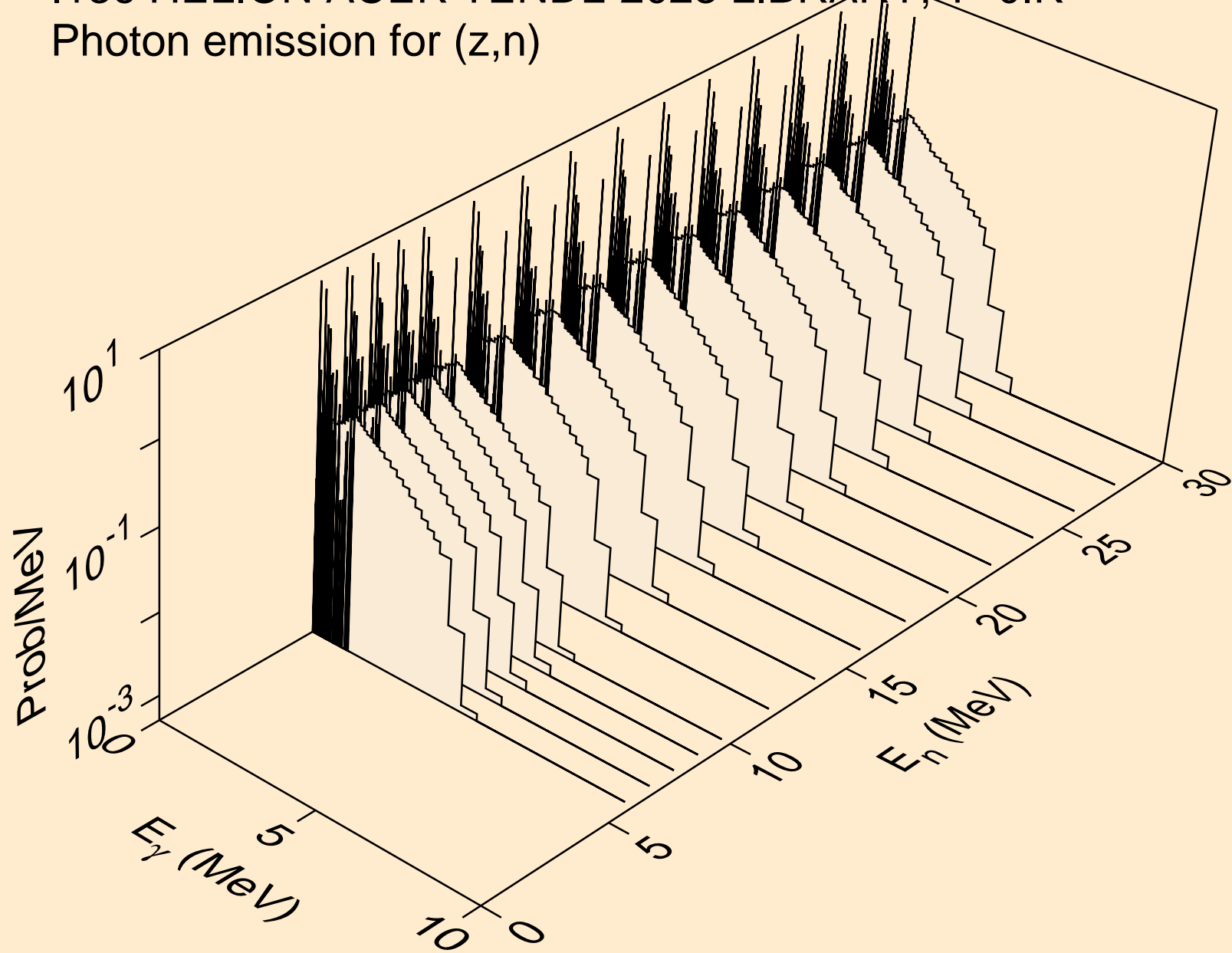
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3



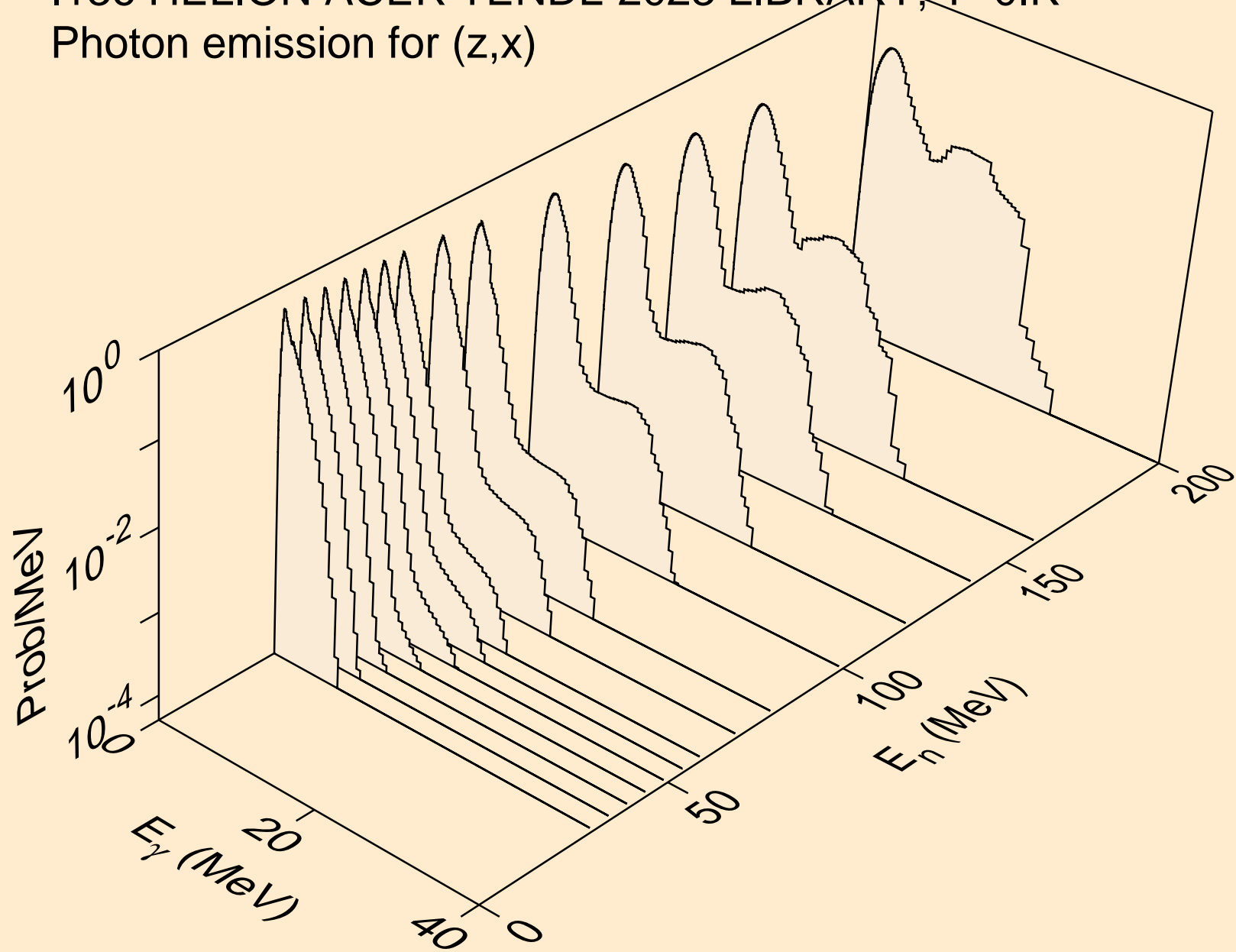
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic



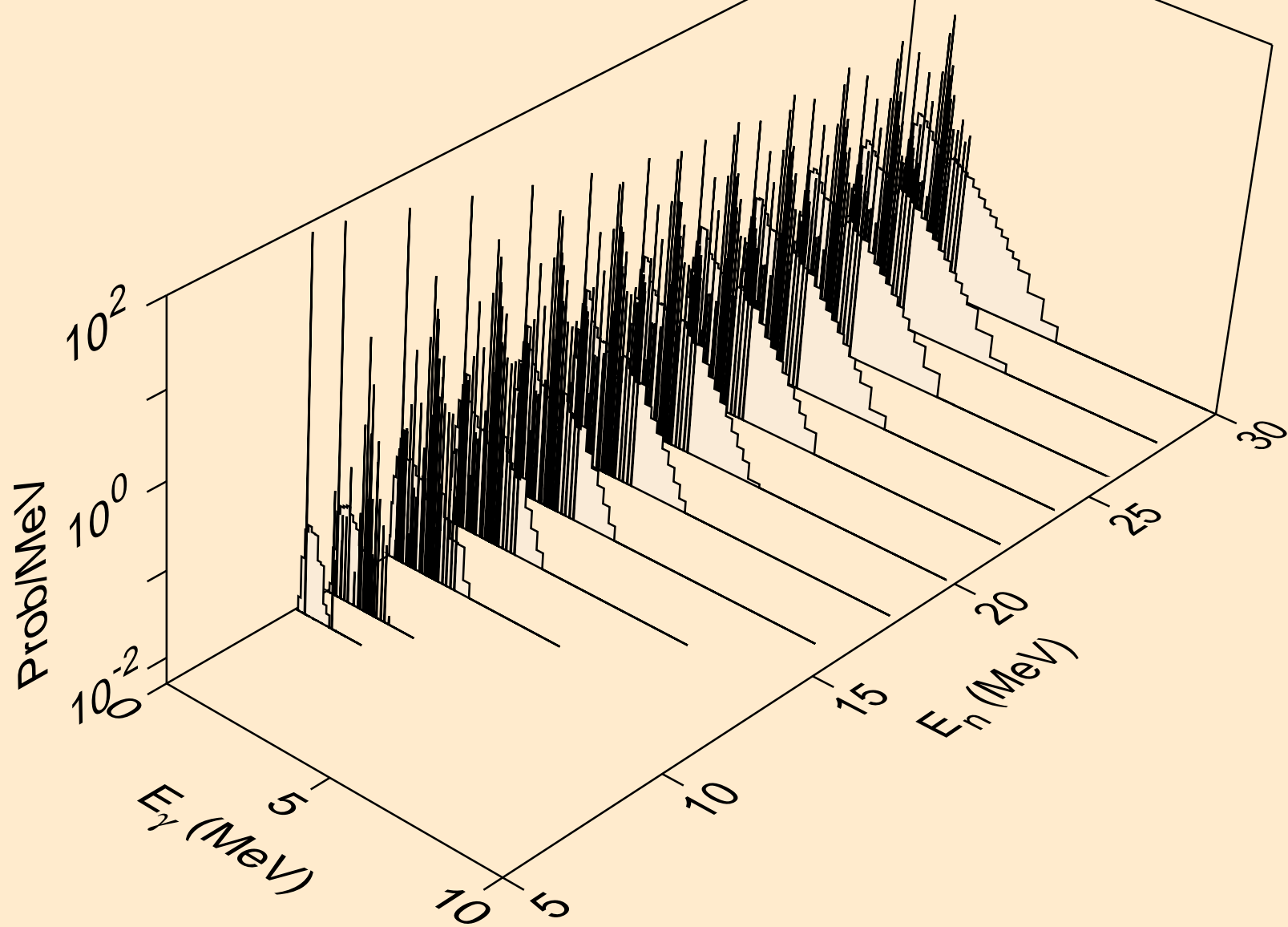
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



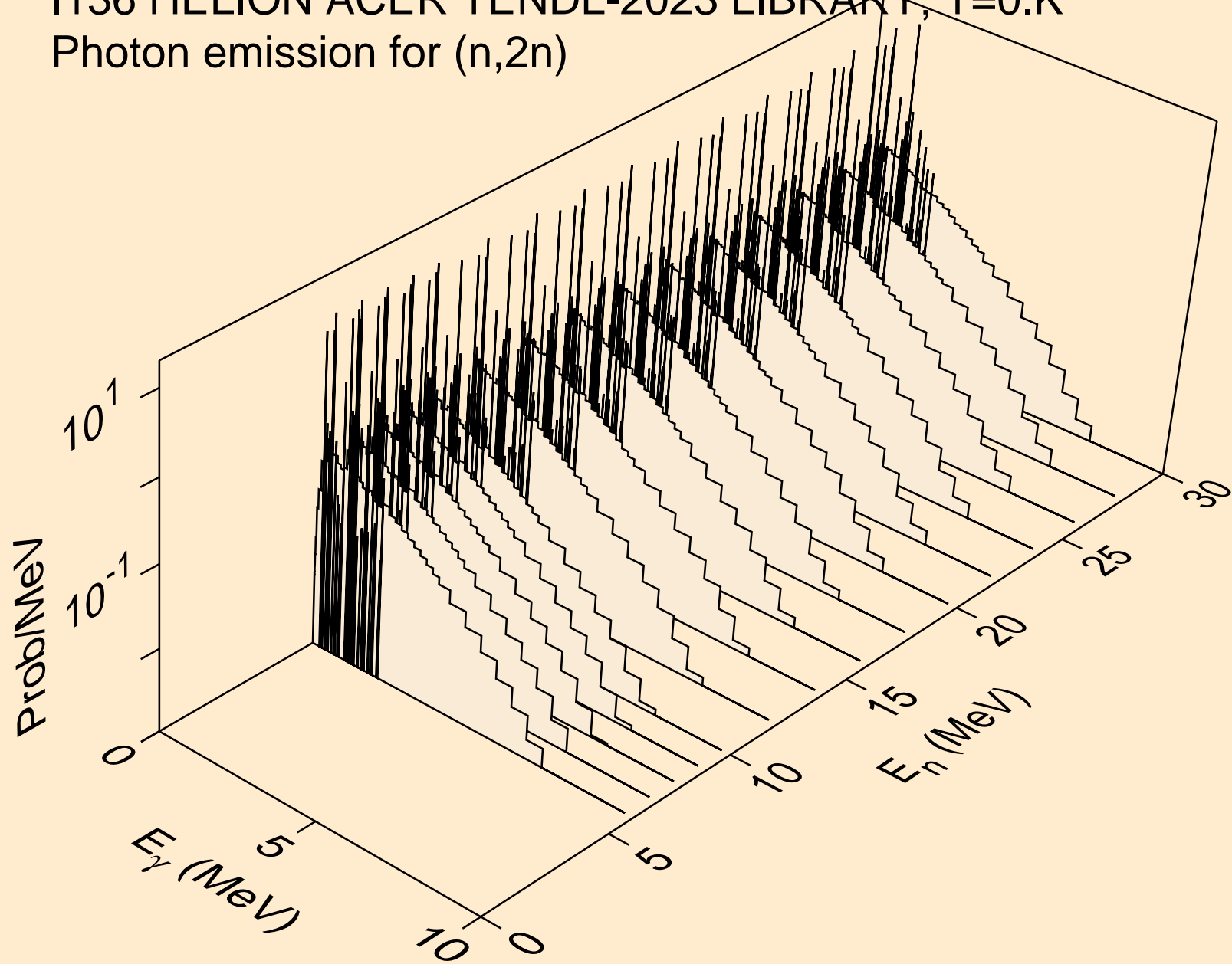
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



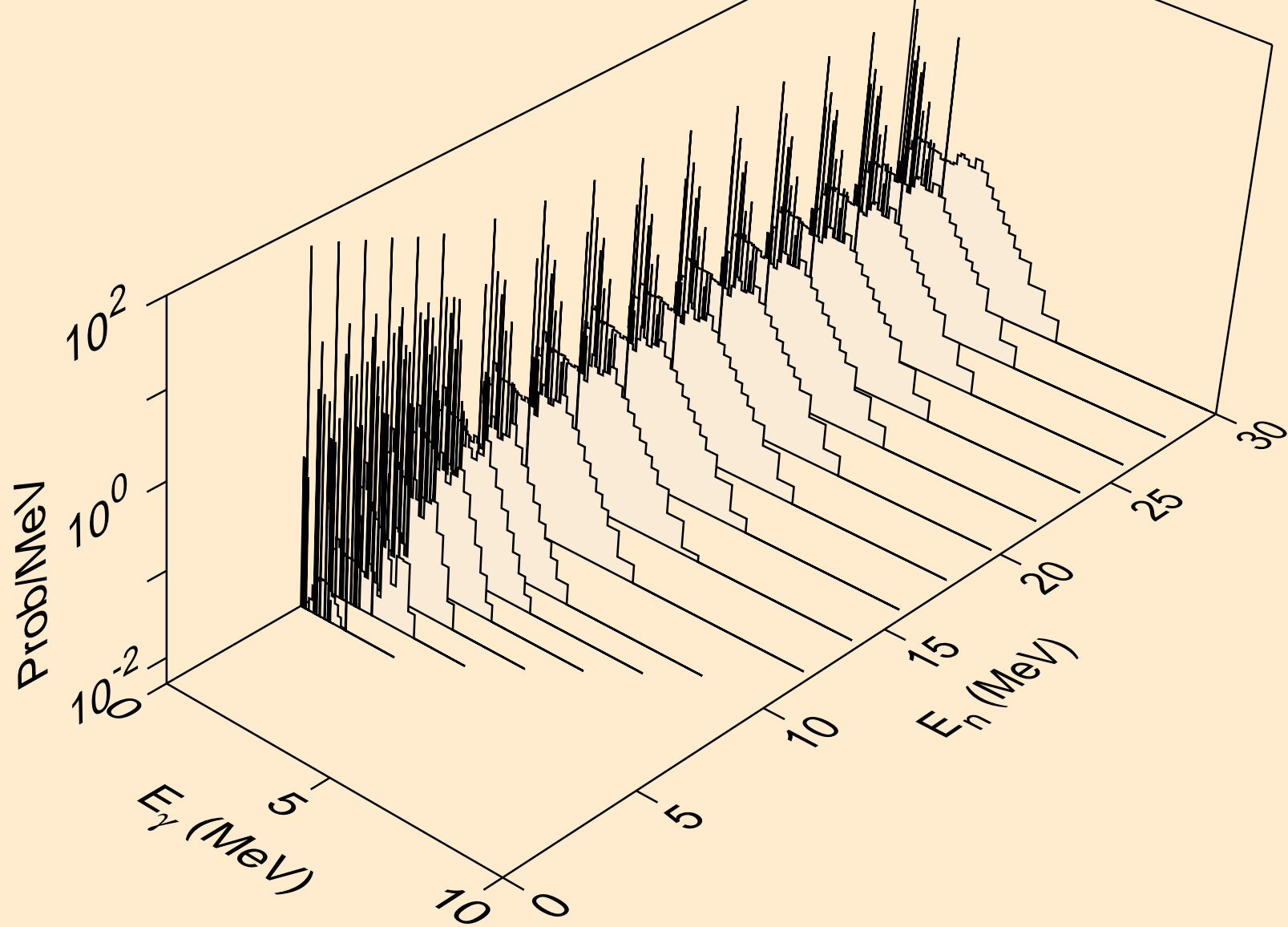
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



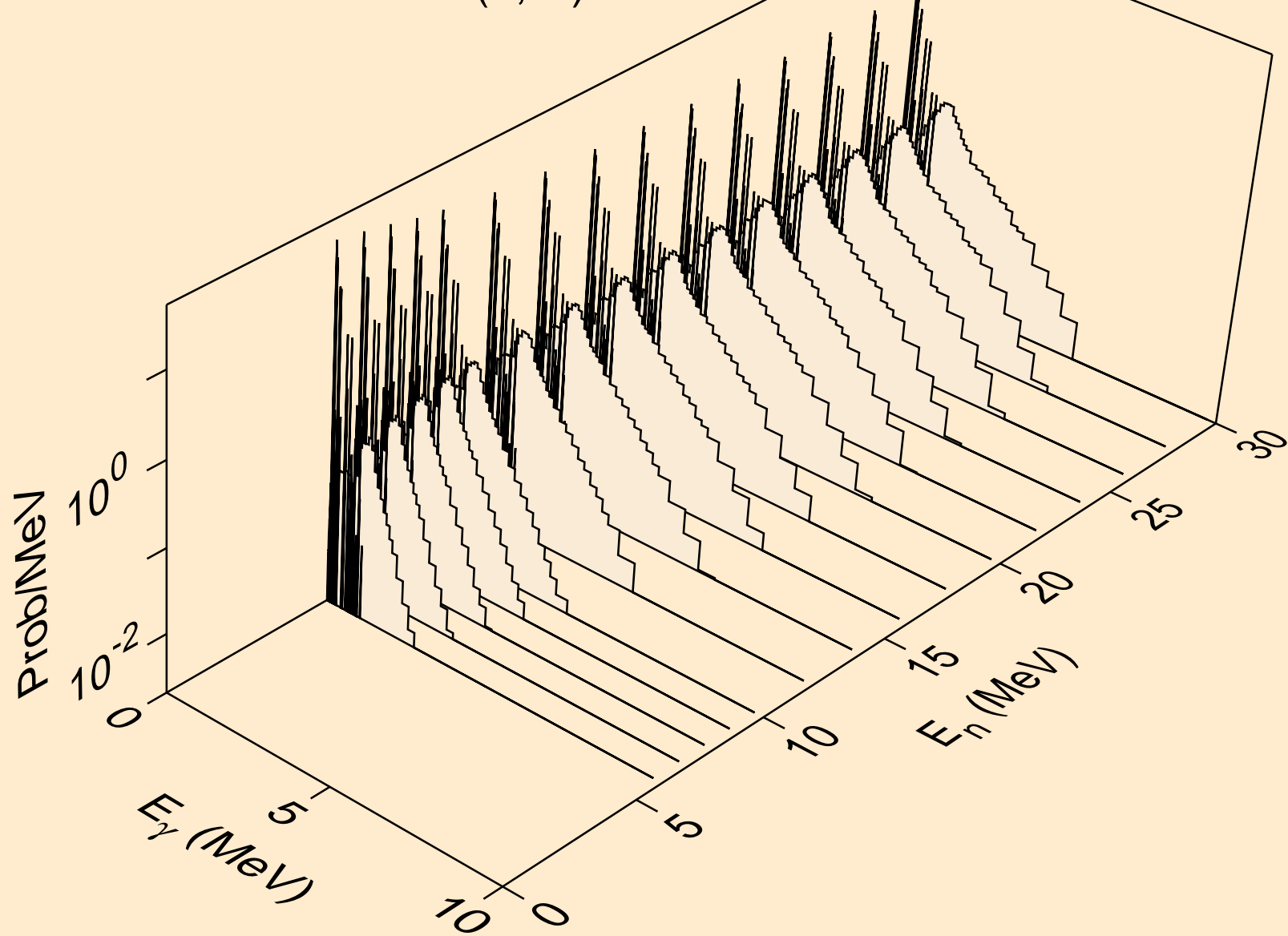
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



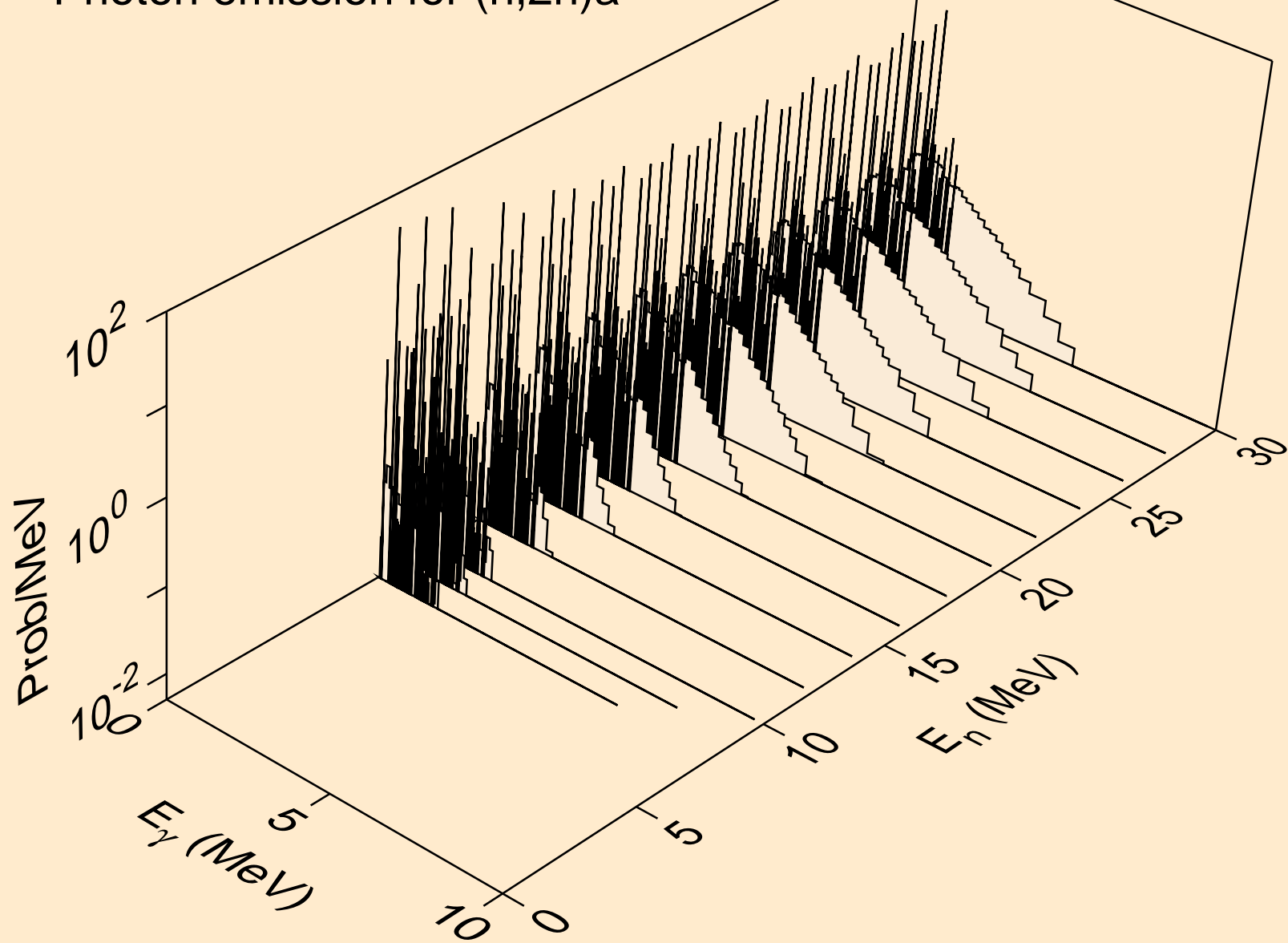
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Photon emission for (n,3n)



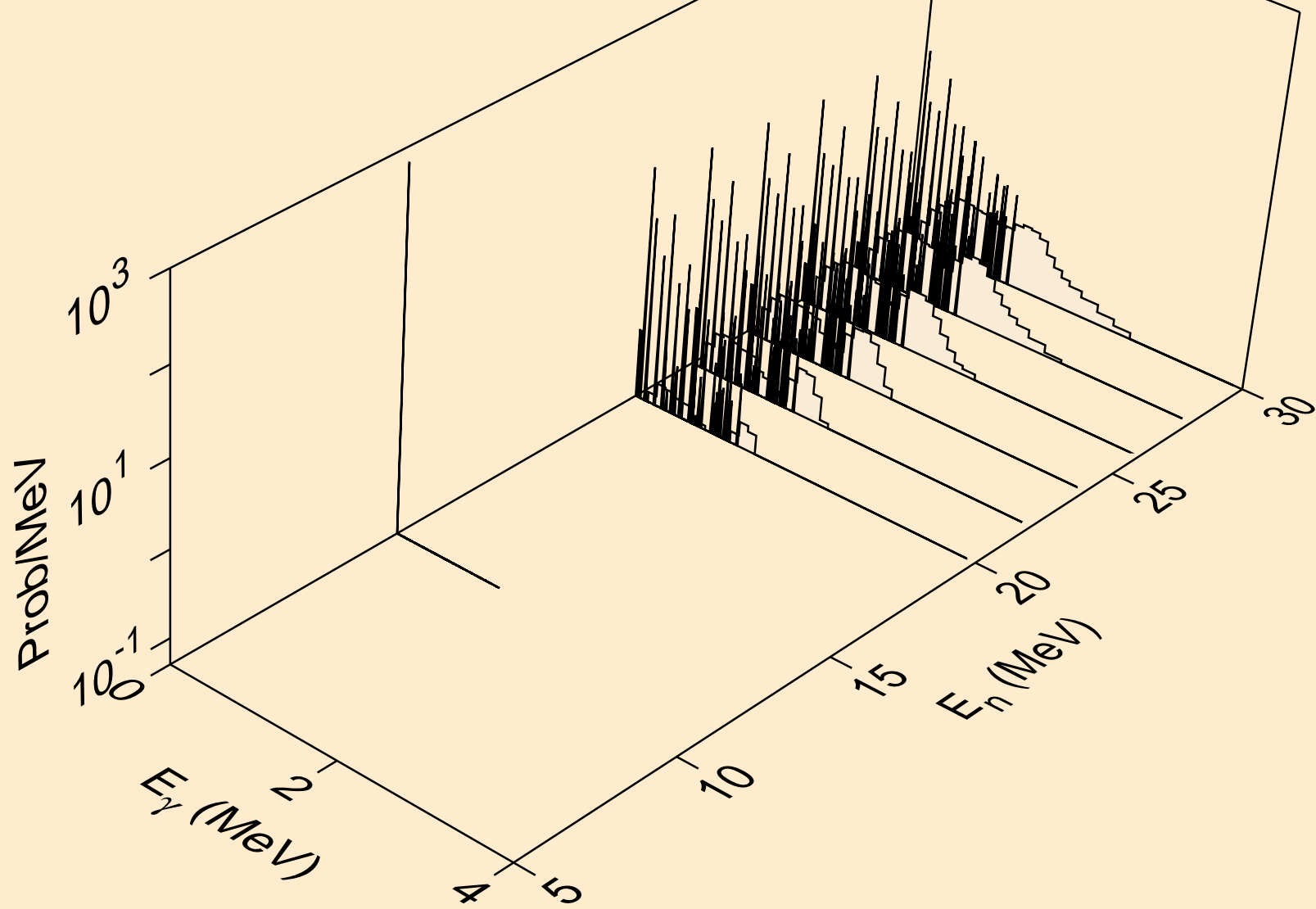
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



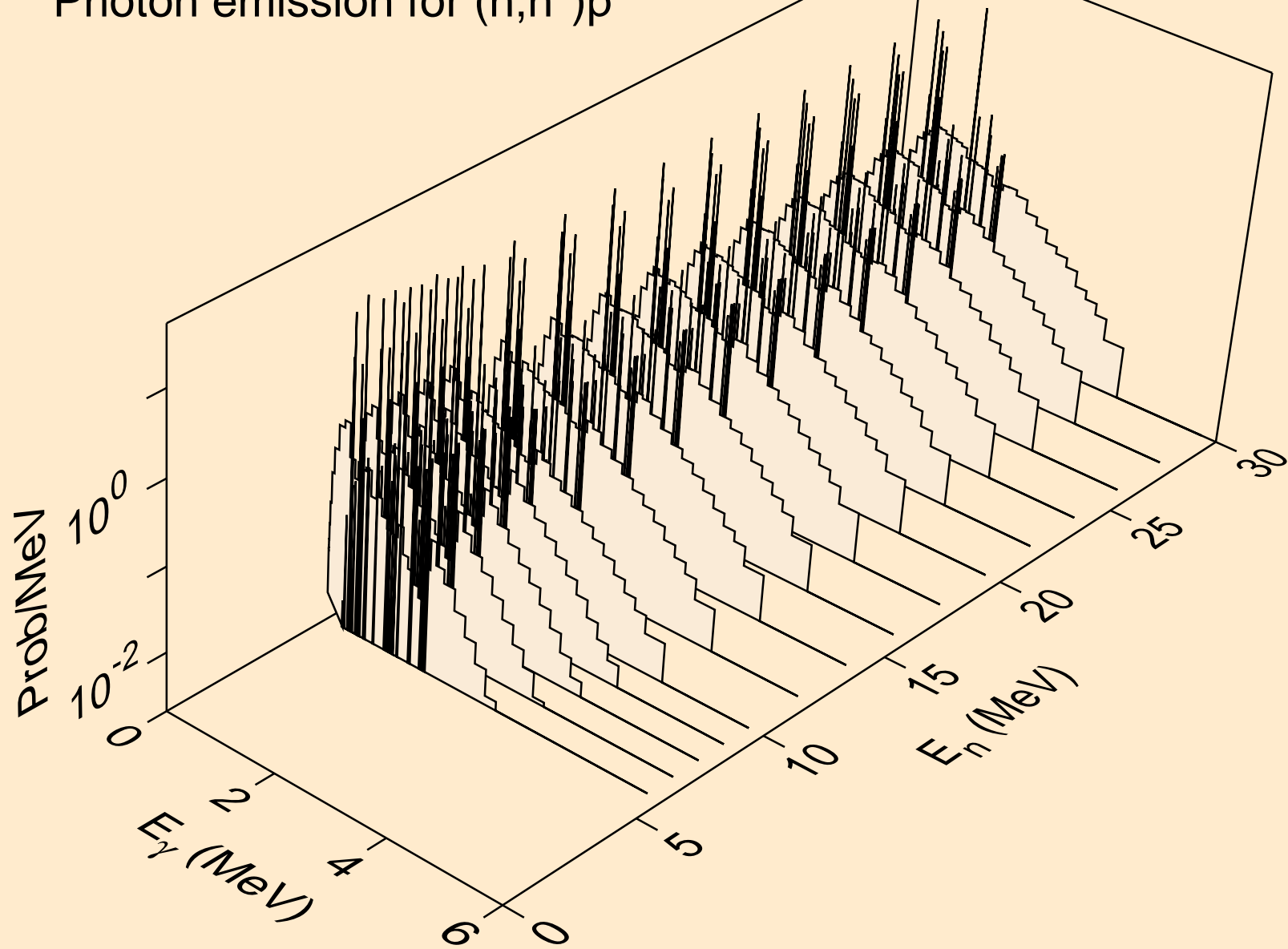
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Photon emission for (n,2n)a



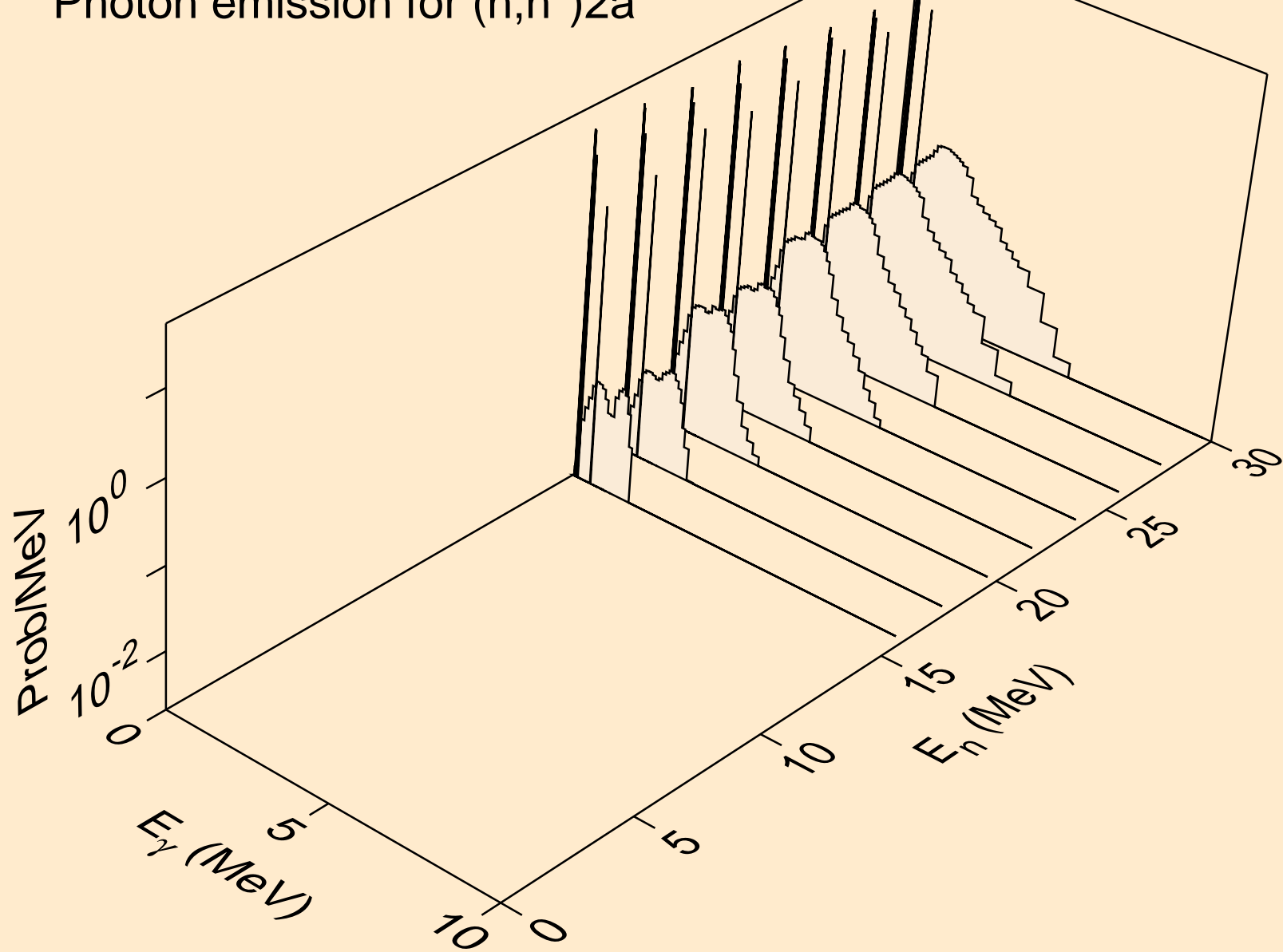
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



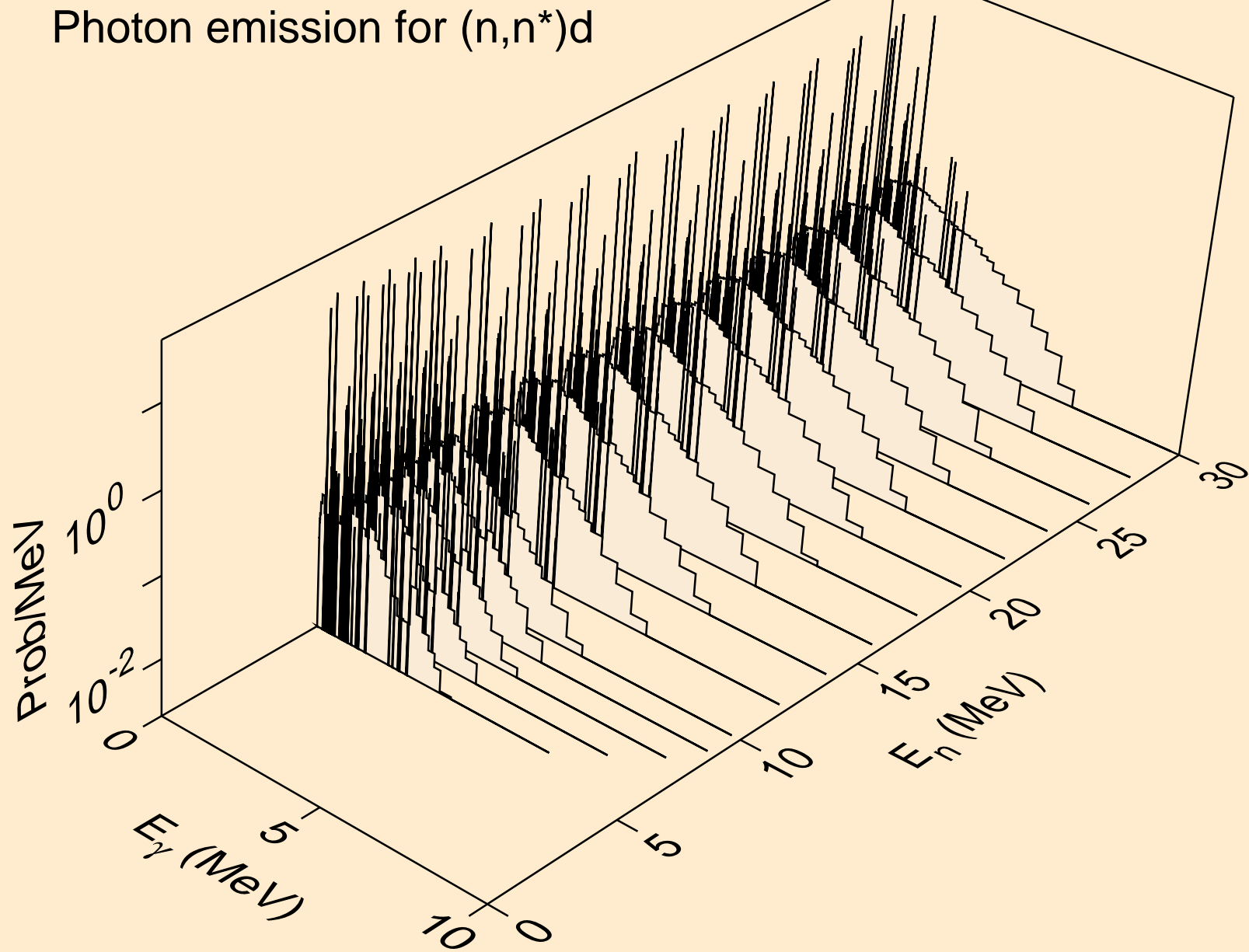
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



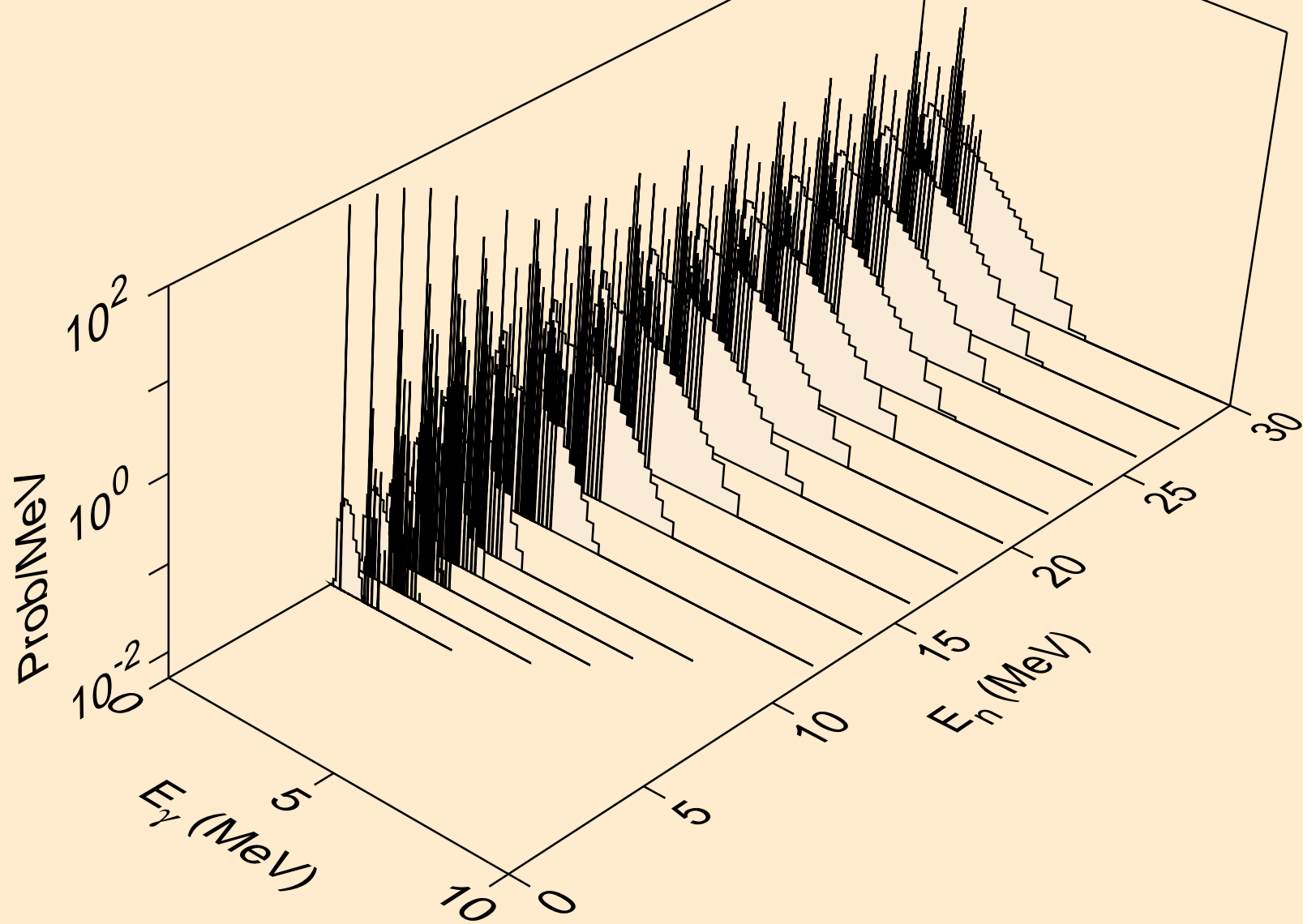
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Photon emission for (n,n\*)2a



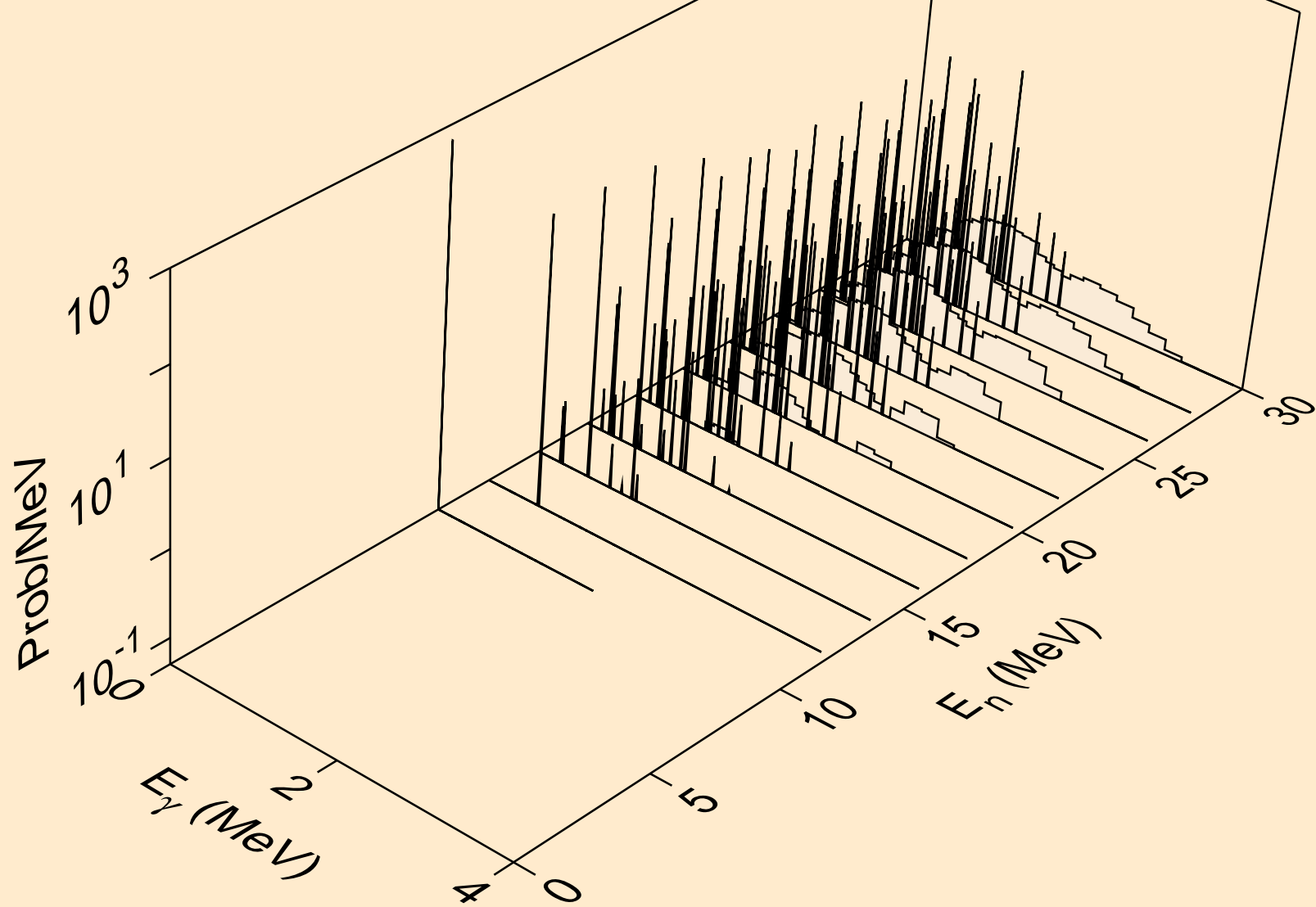
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



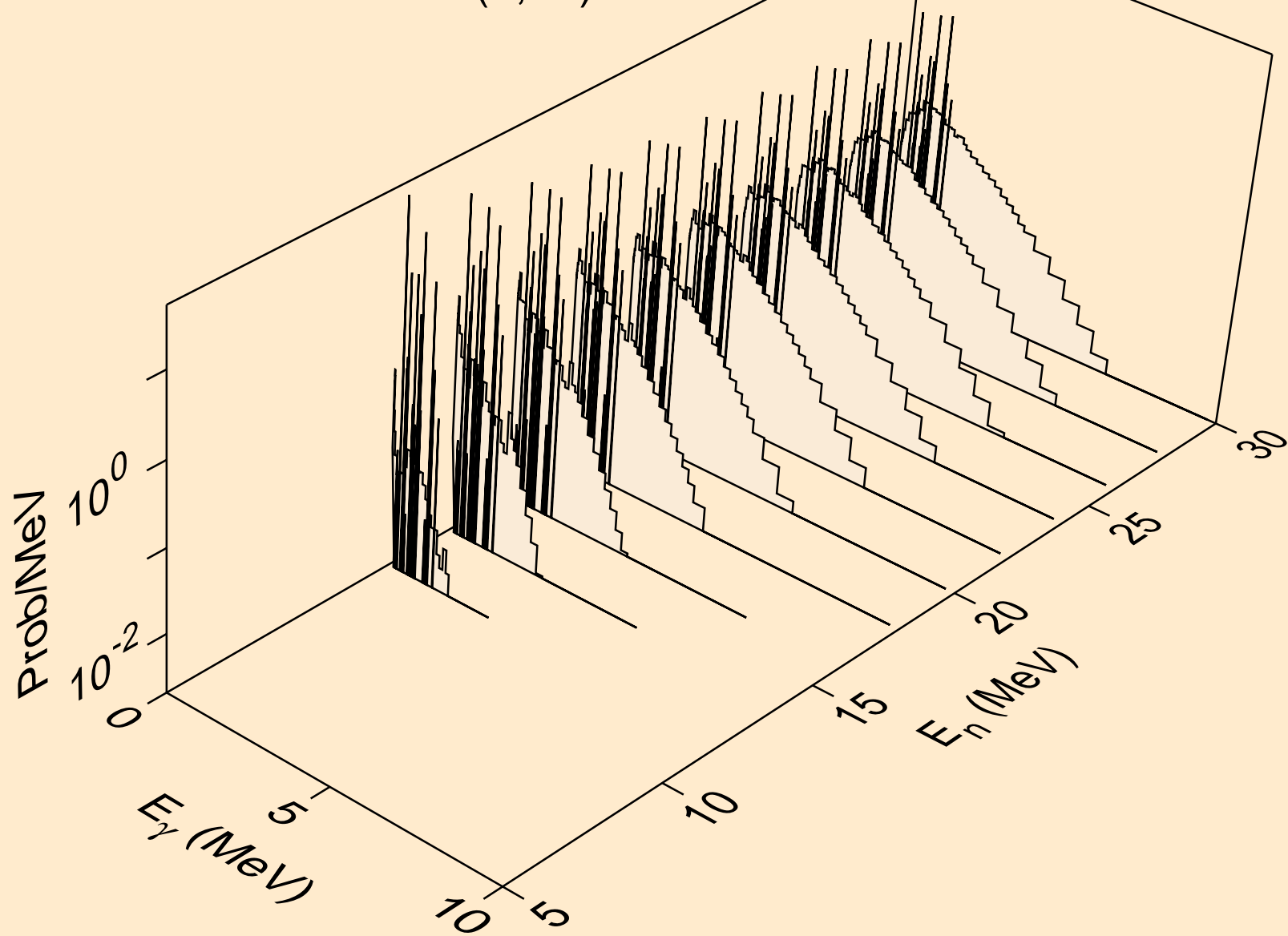
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



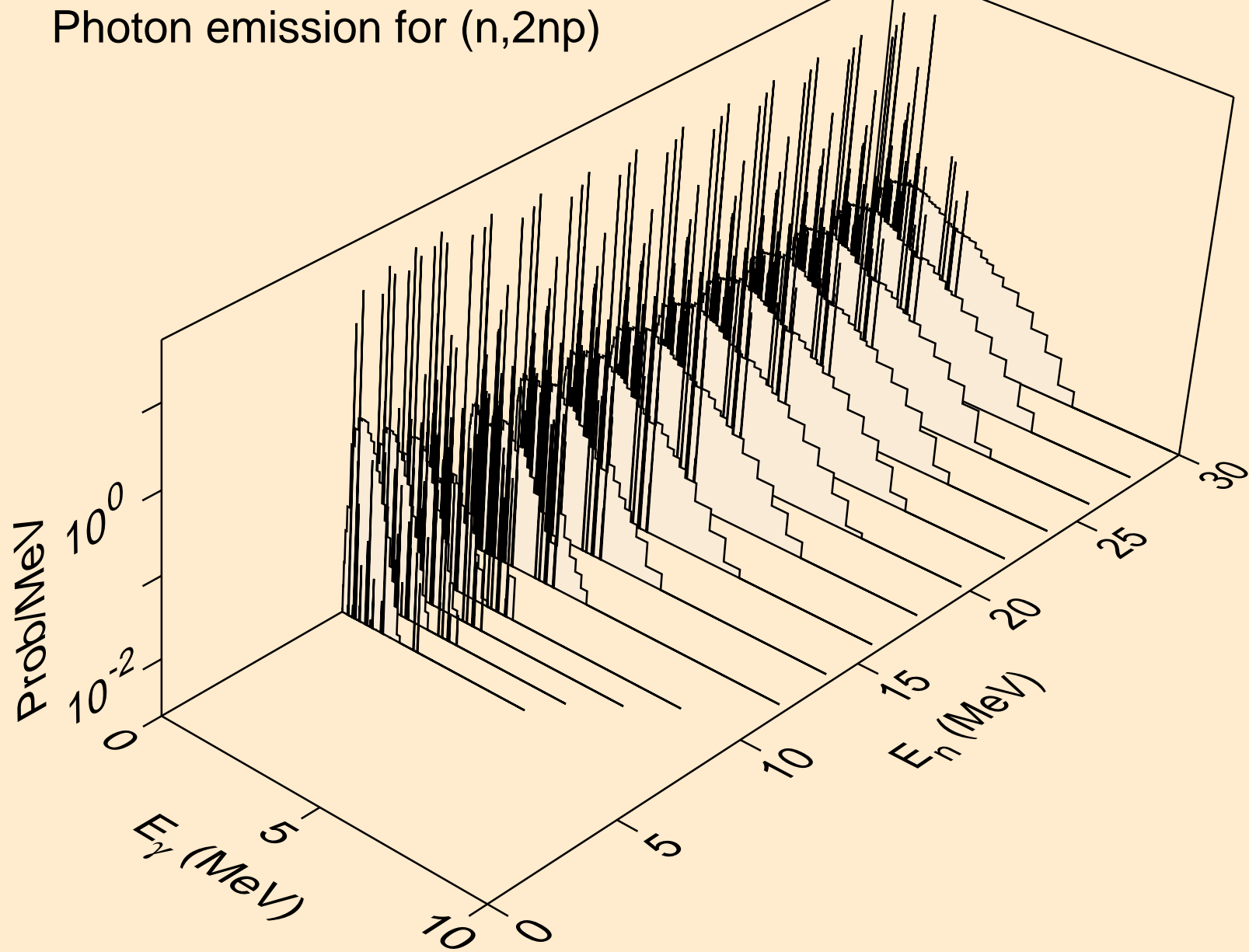
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



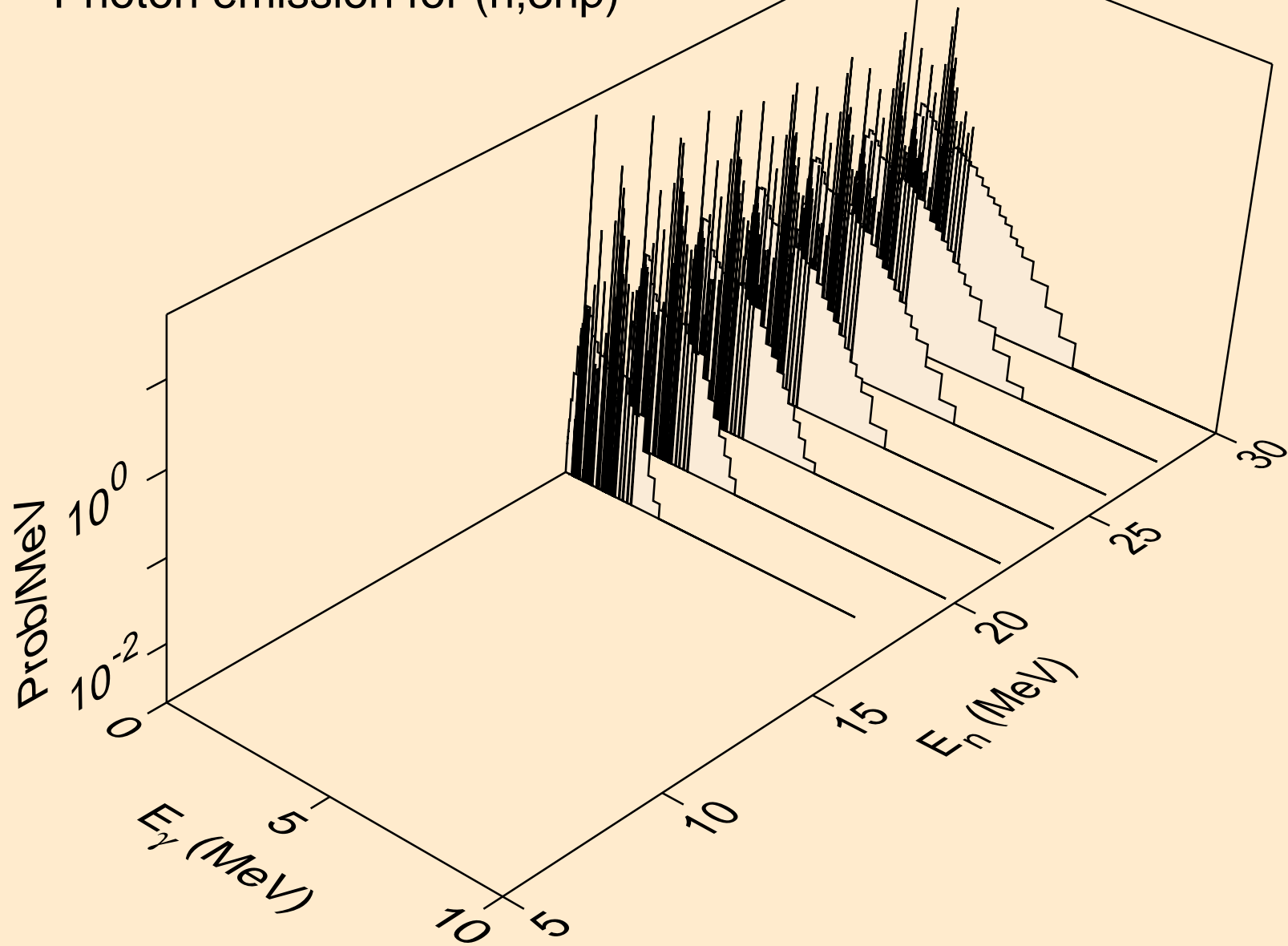
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



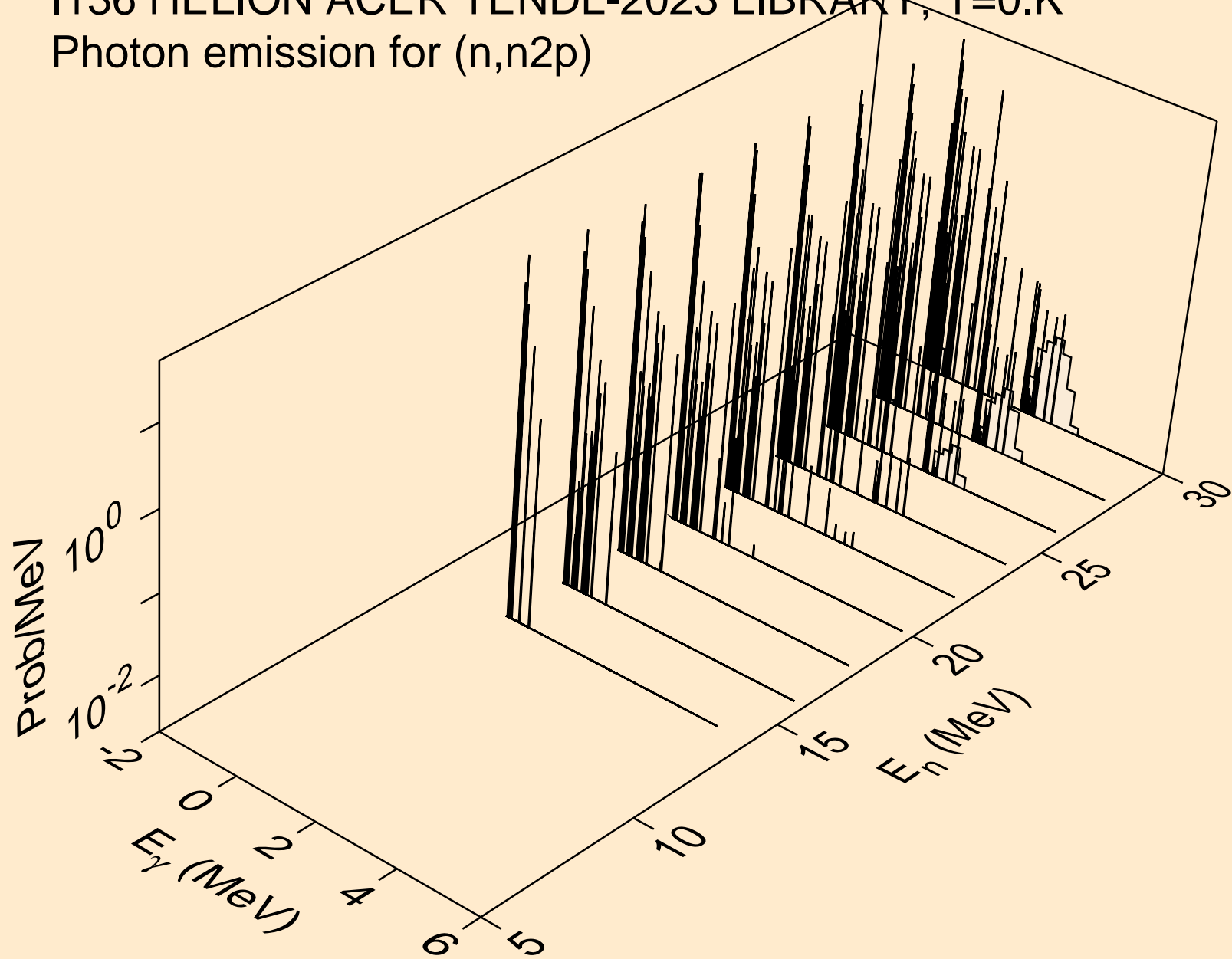
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Photon emission for (n,2np)



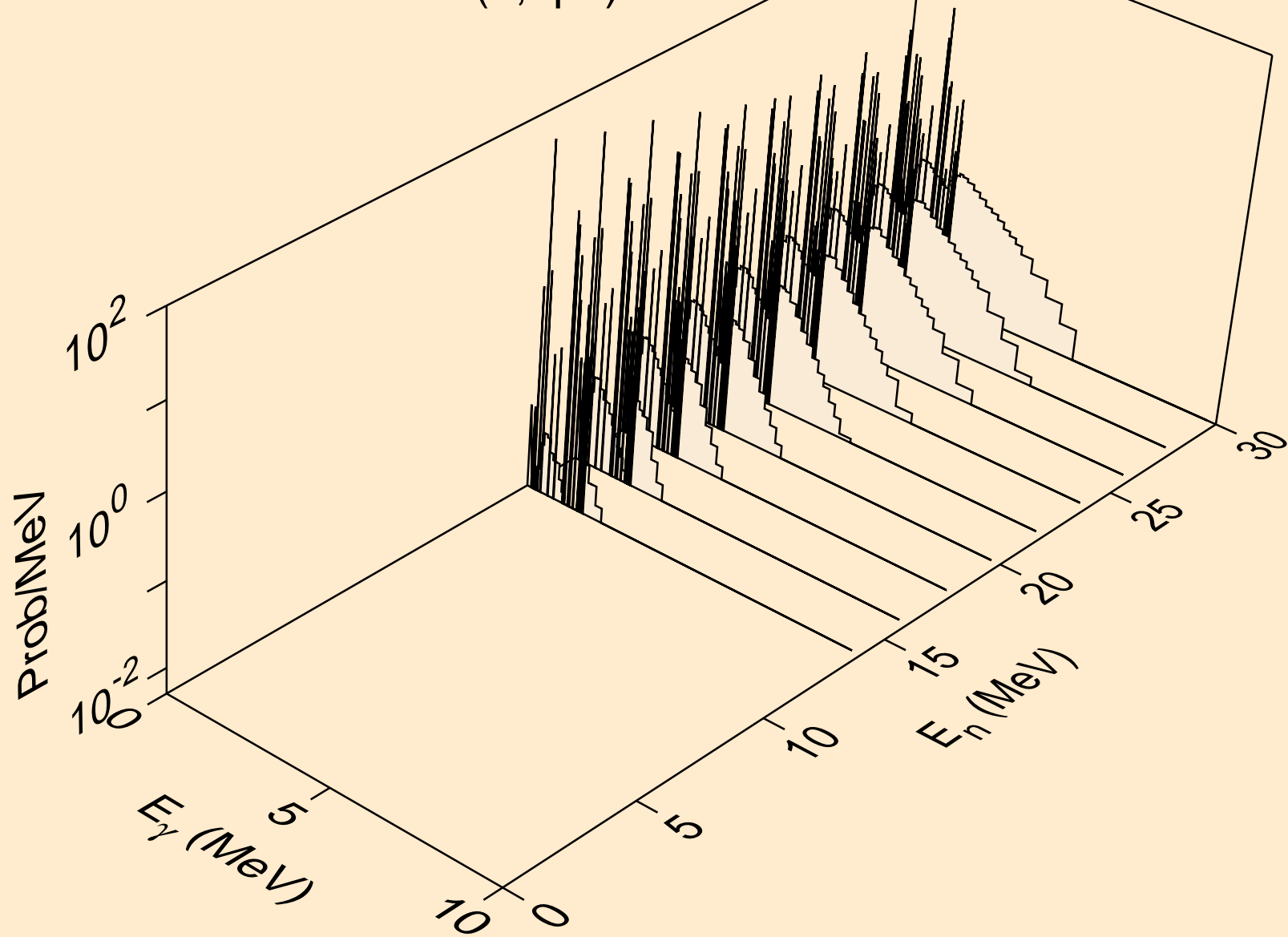
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Photon emission for (n,3np)



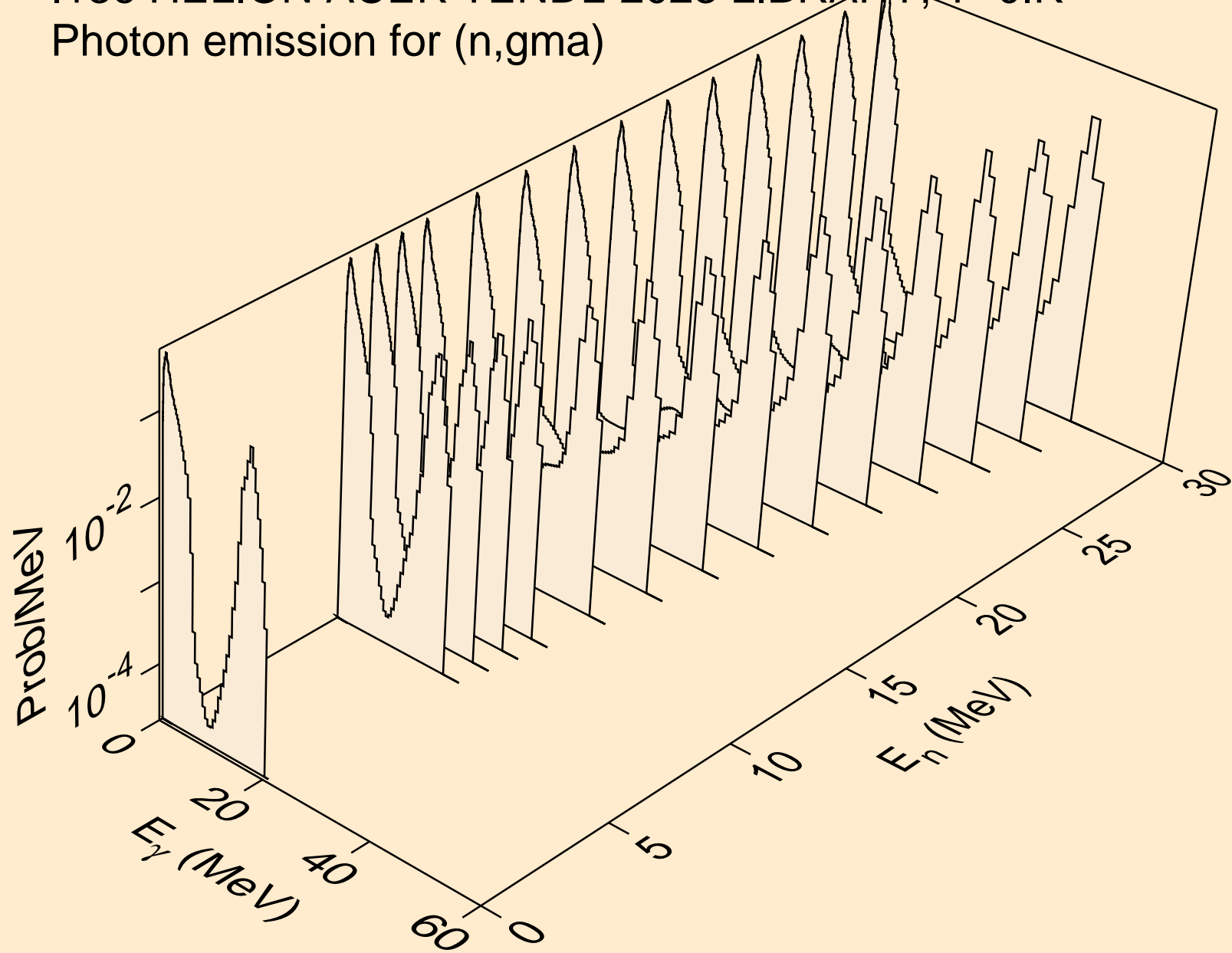
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Photon emission for (n,n2p)



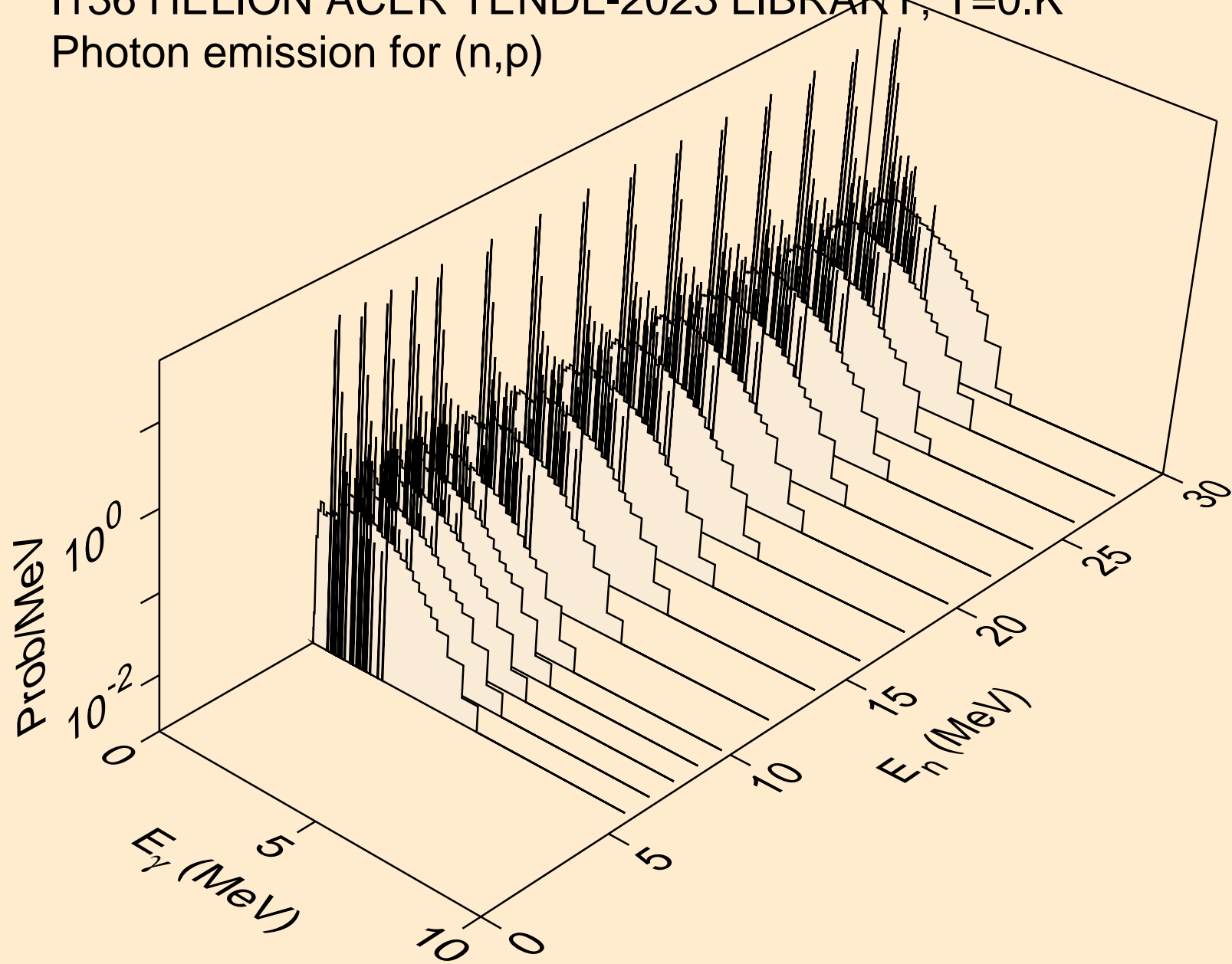
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Photon emission for (n,npa)



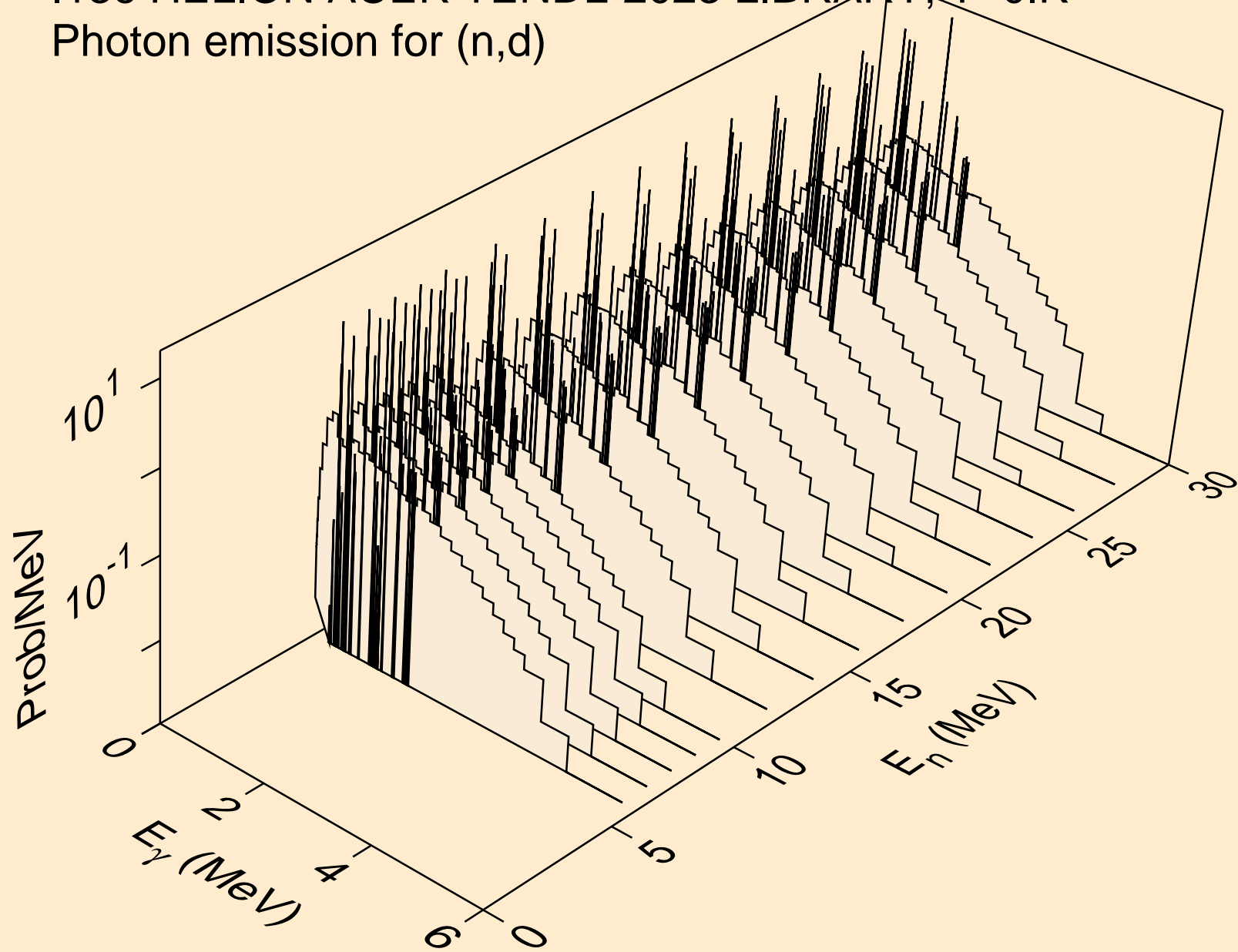
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Photon emission for (n,gma)



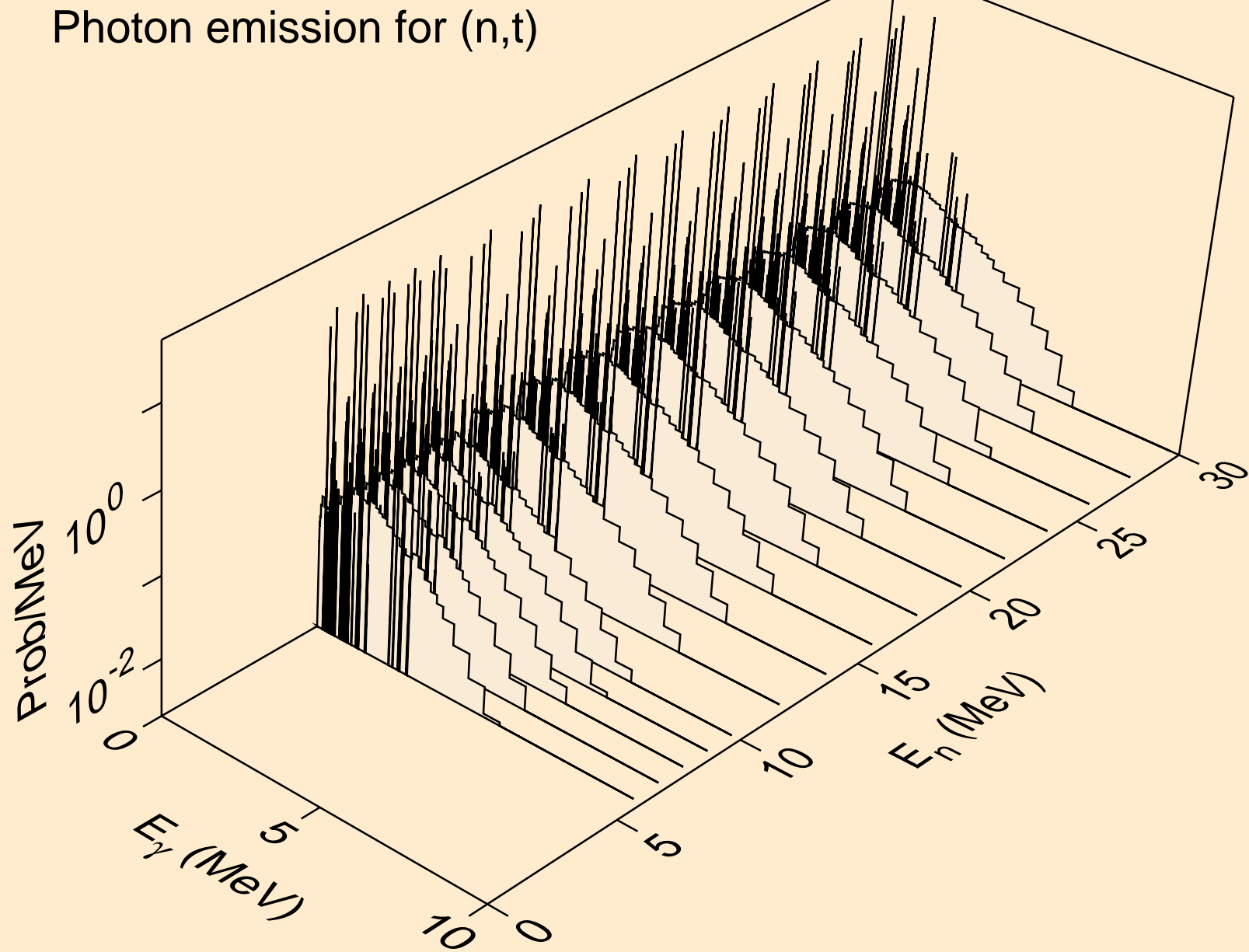
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Photon emission for (n,p)



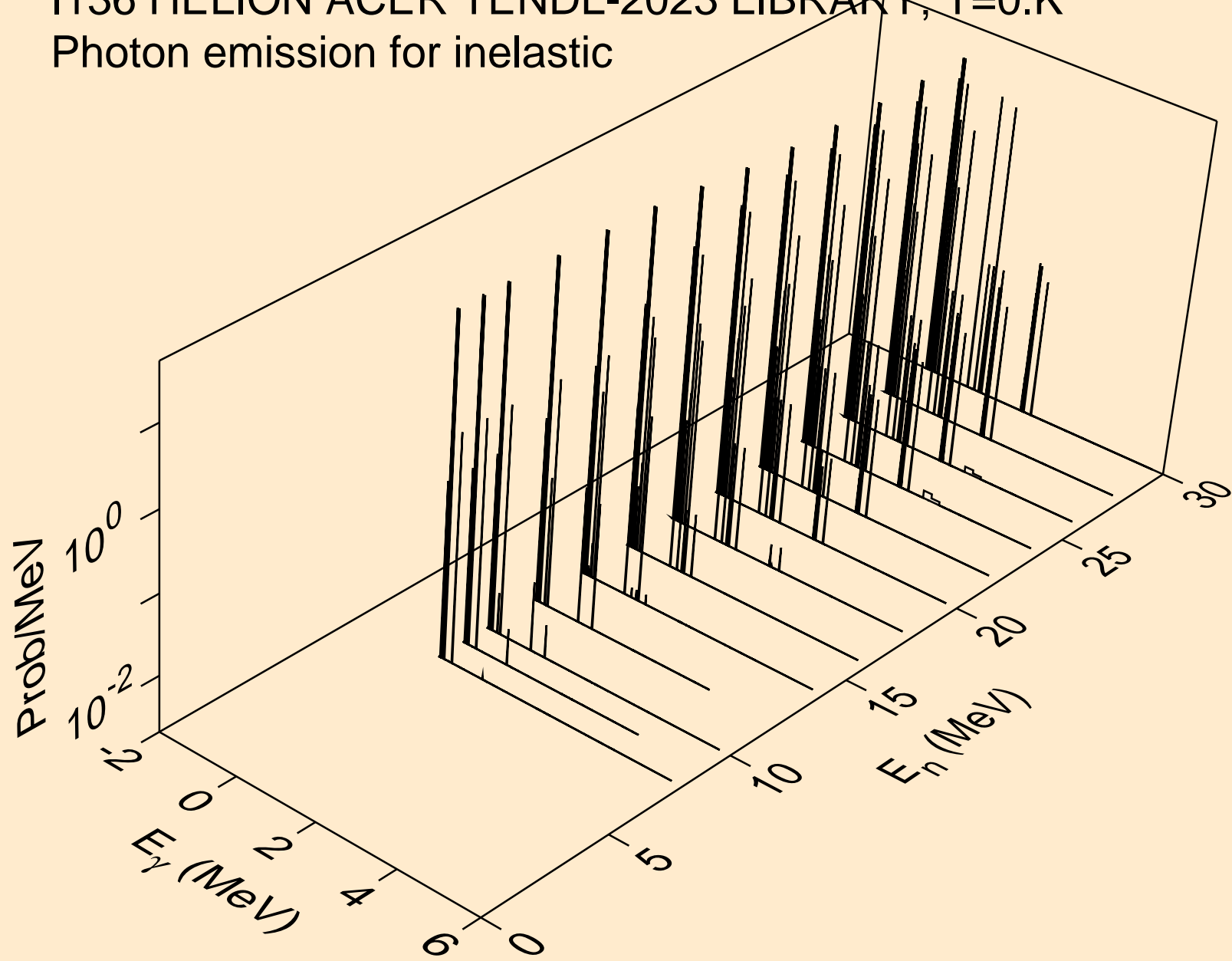
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Photon emission for (n,d)



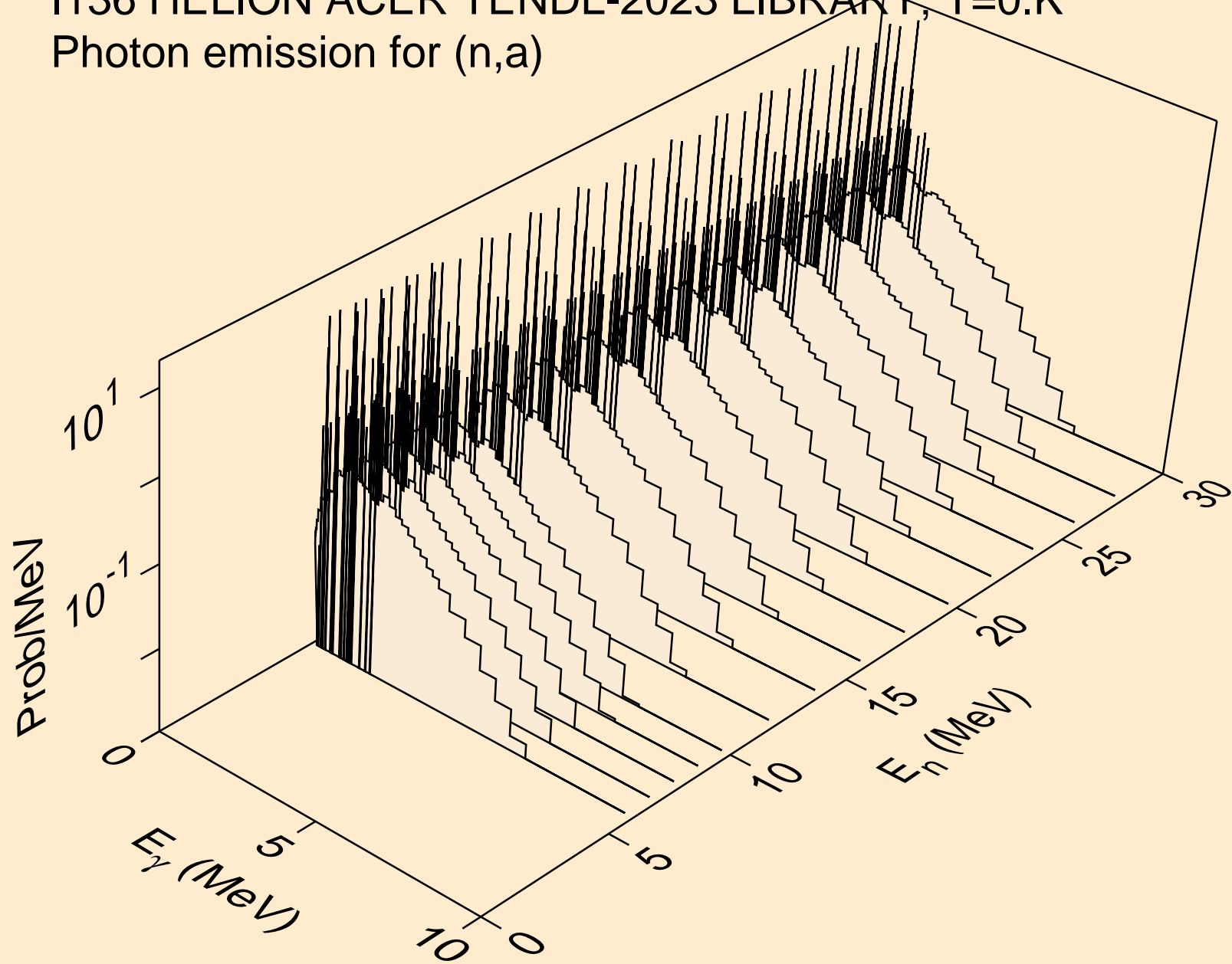
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Photon emission for (n,t)



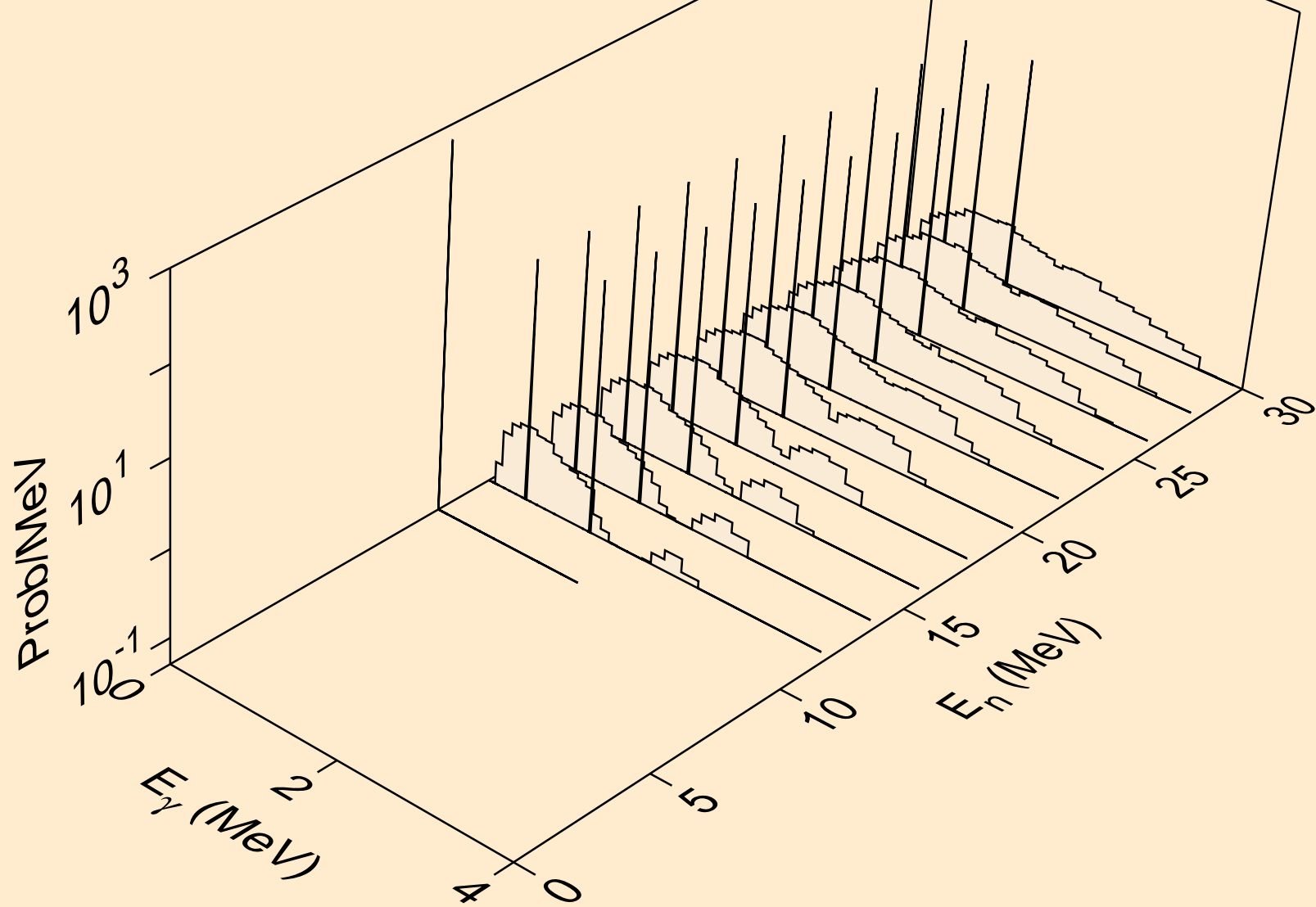
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



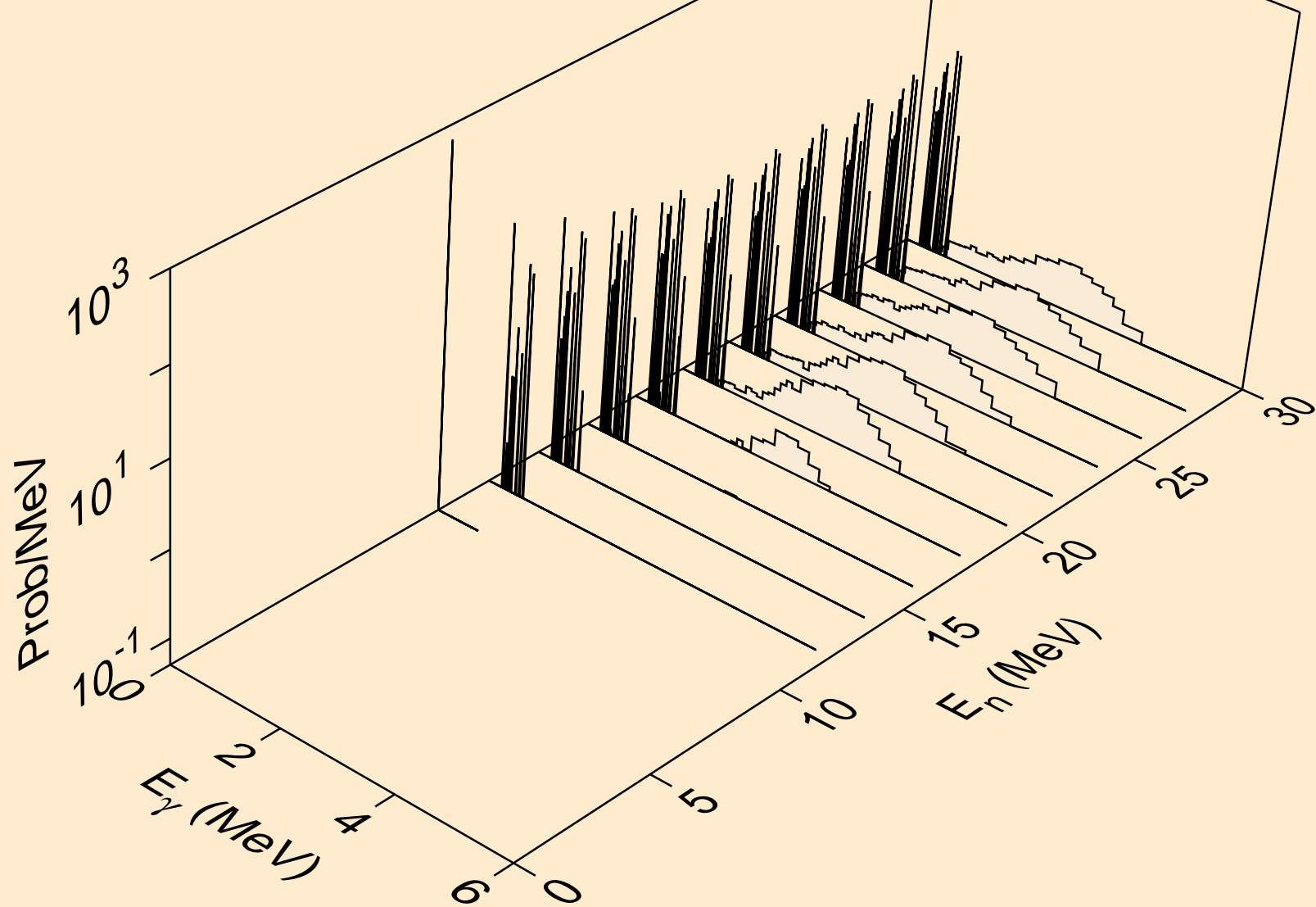
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Photon emission for (n,a)



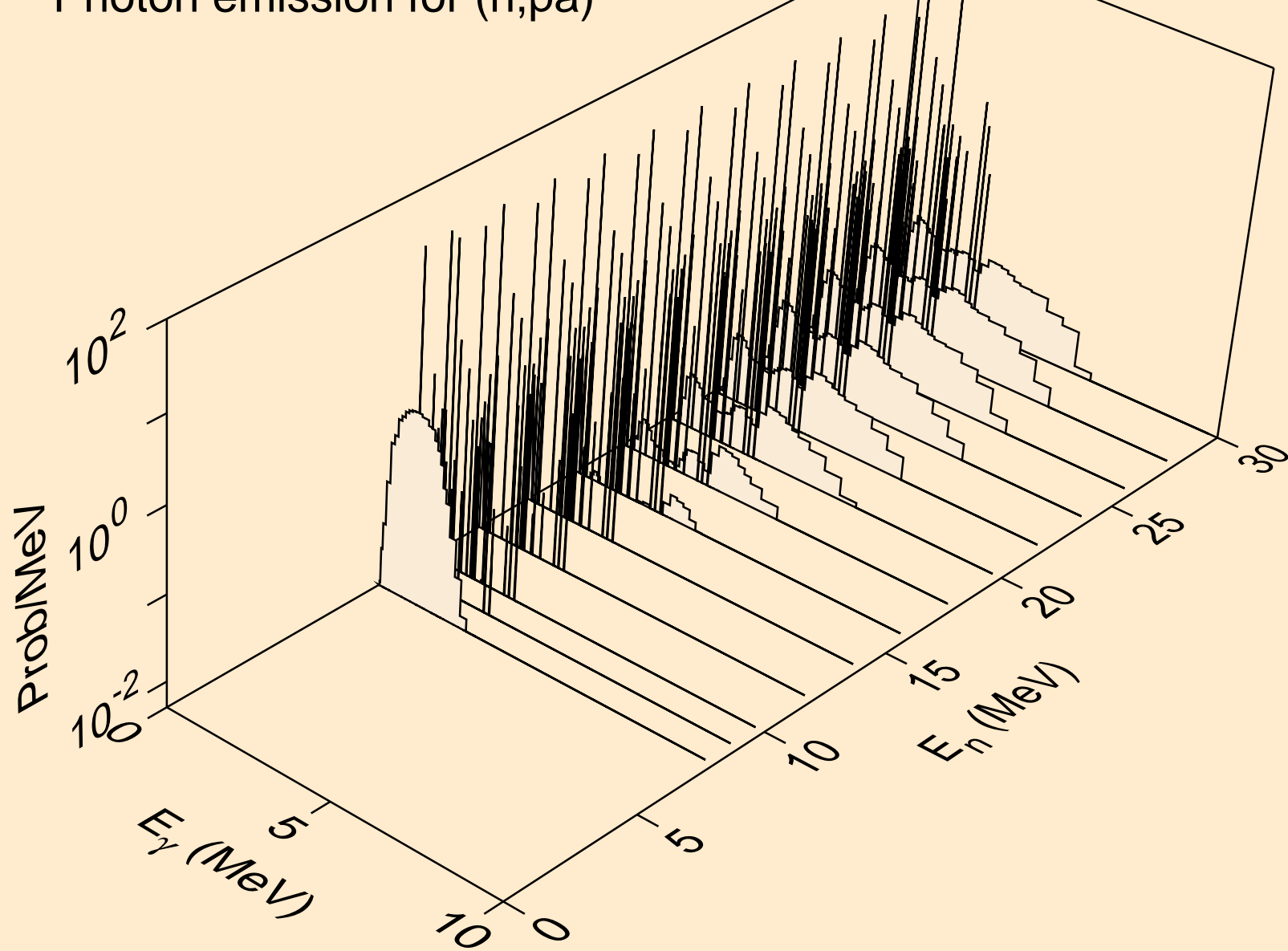
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Photon emission for (n,2a)



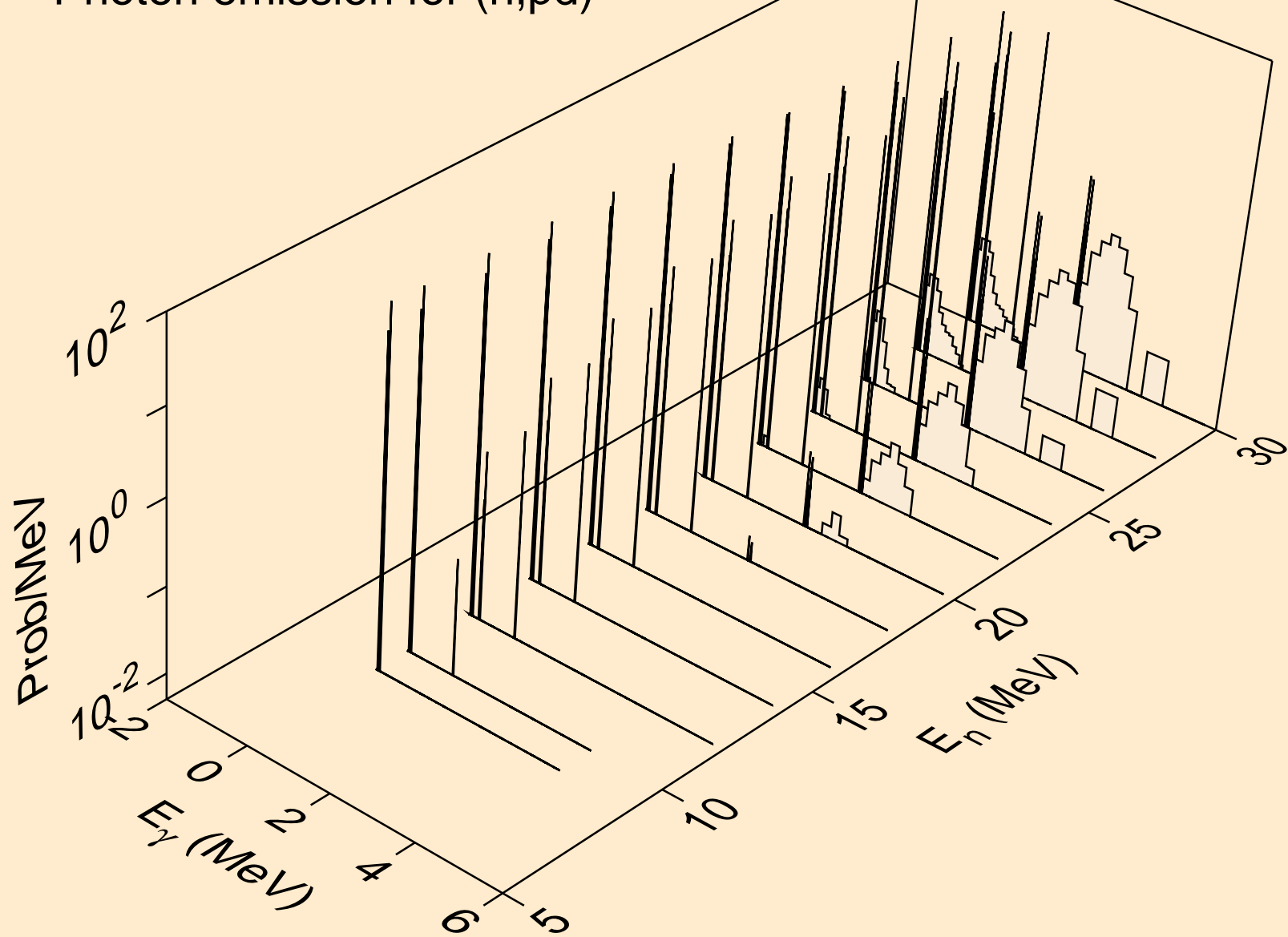
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Photon emission for (n,2p)



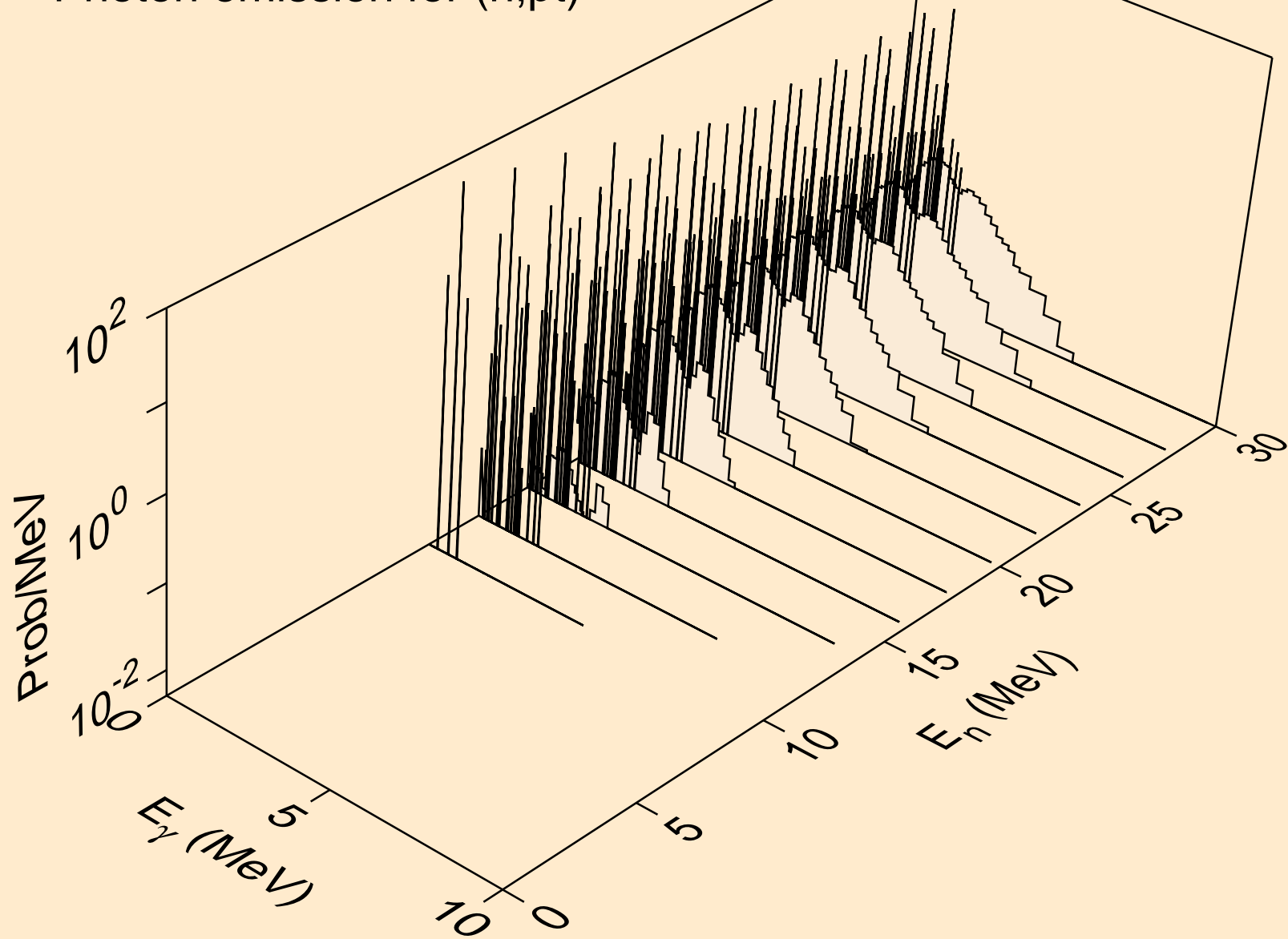
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Photon emission for (n,pa)



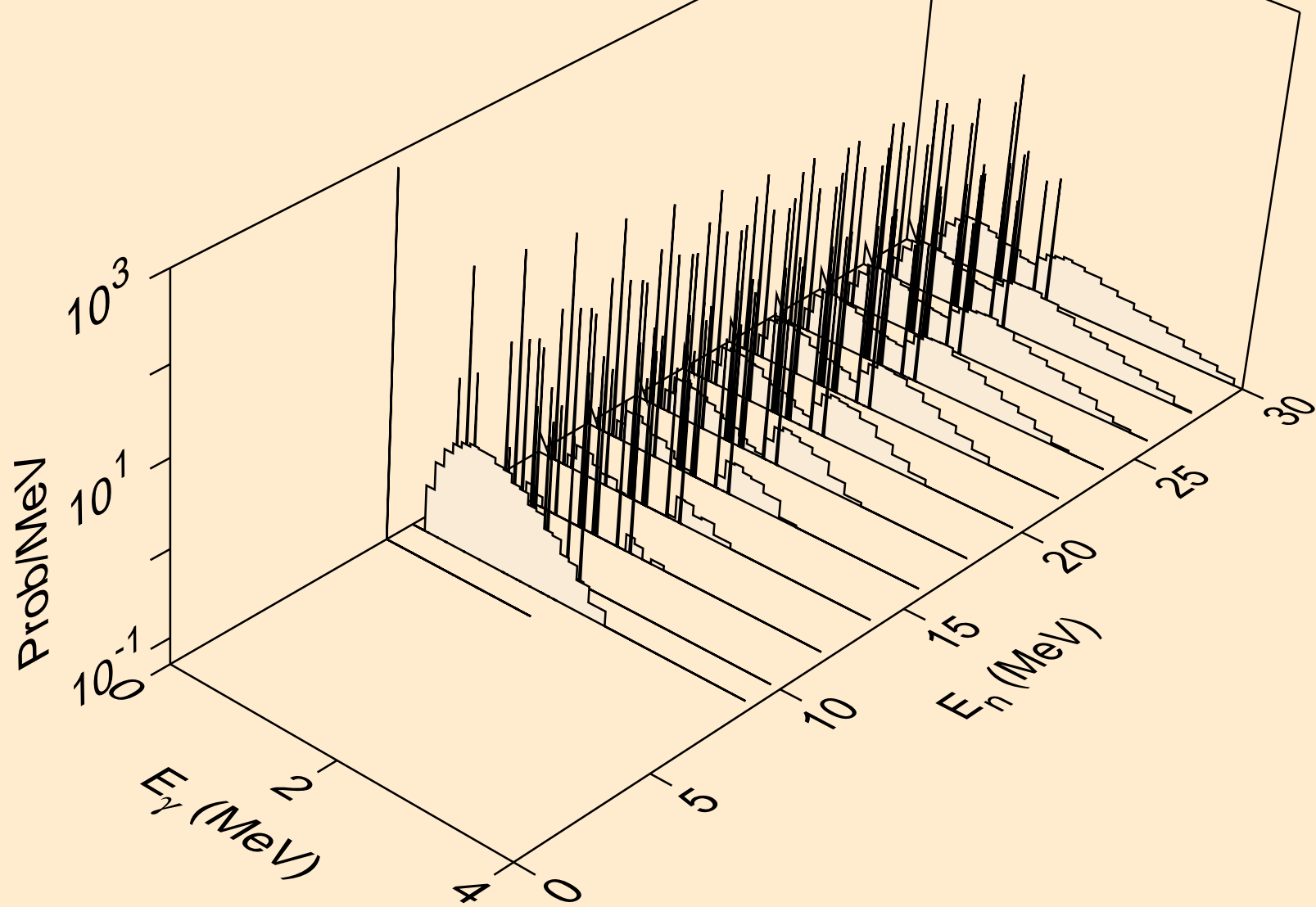
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Photon emission for (n,pd)



I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

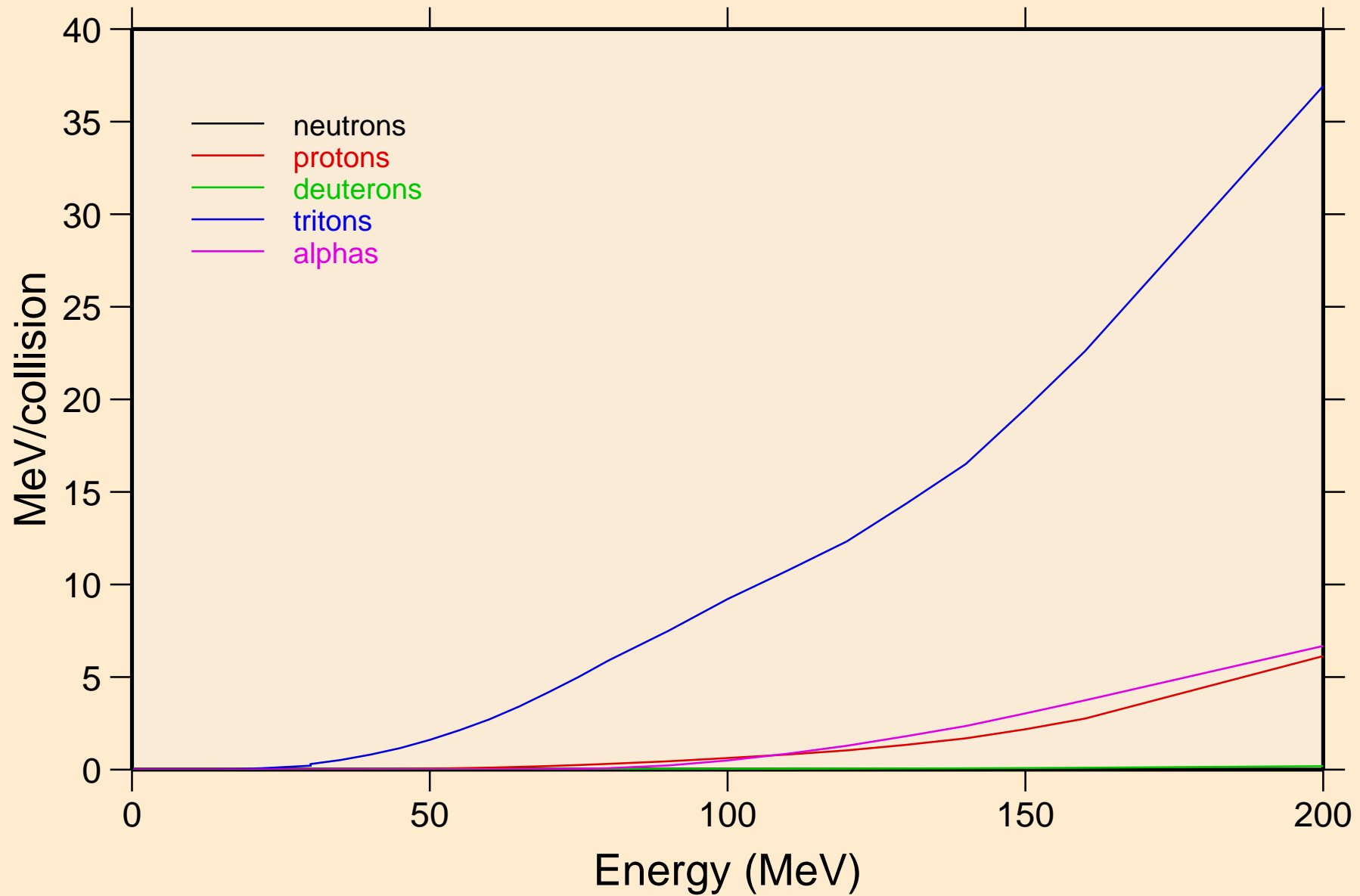


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Photon emission for (n,da)

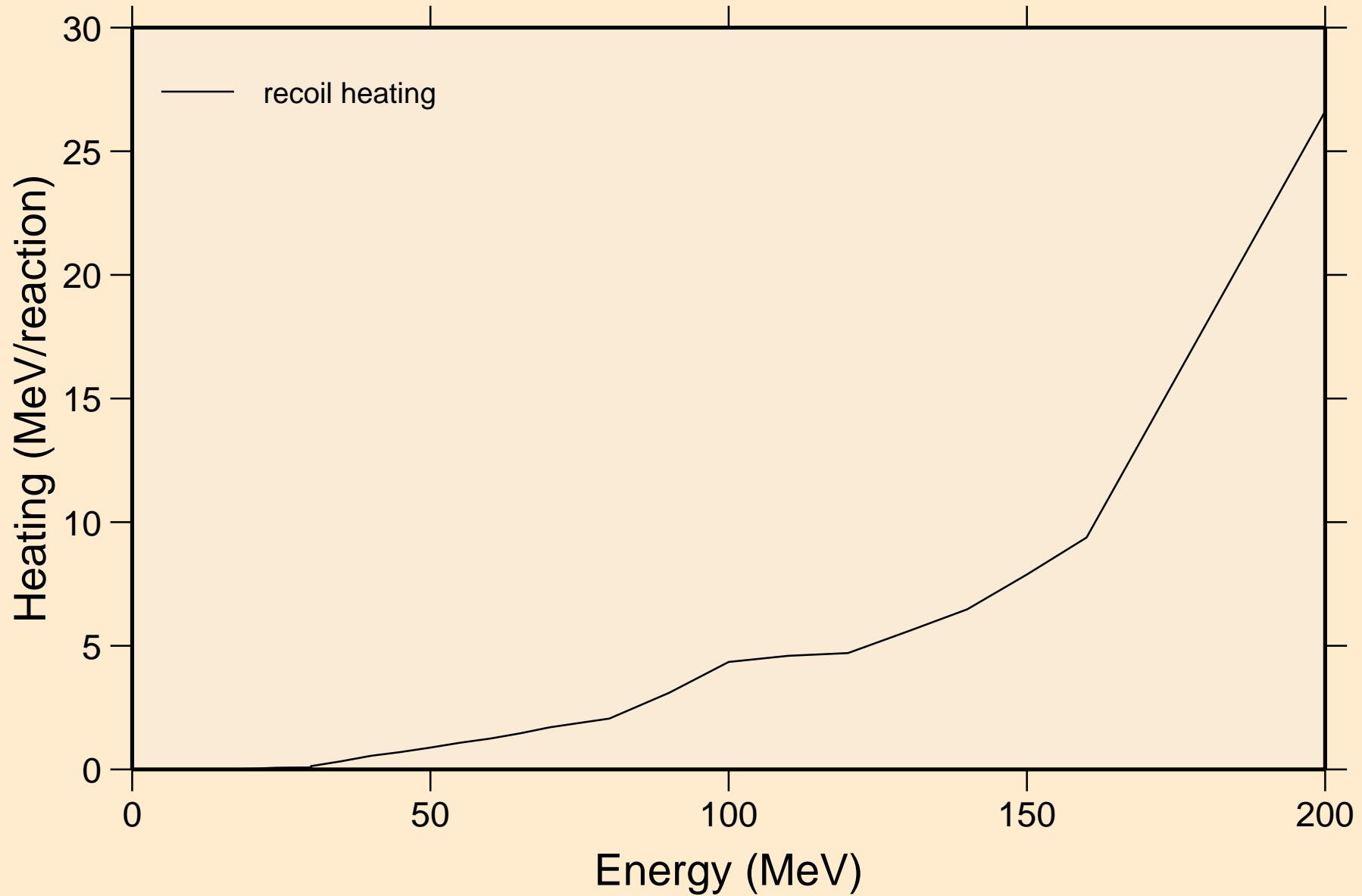


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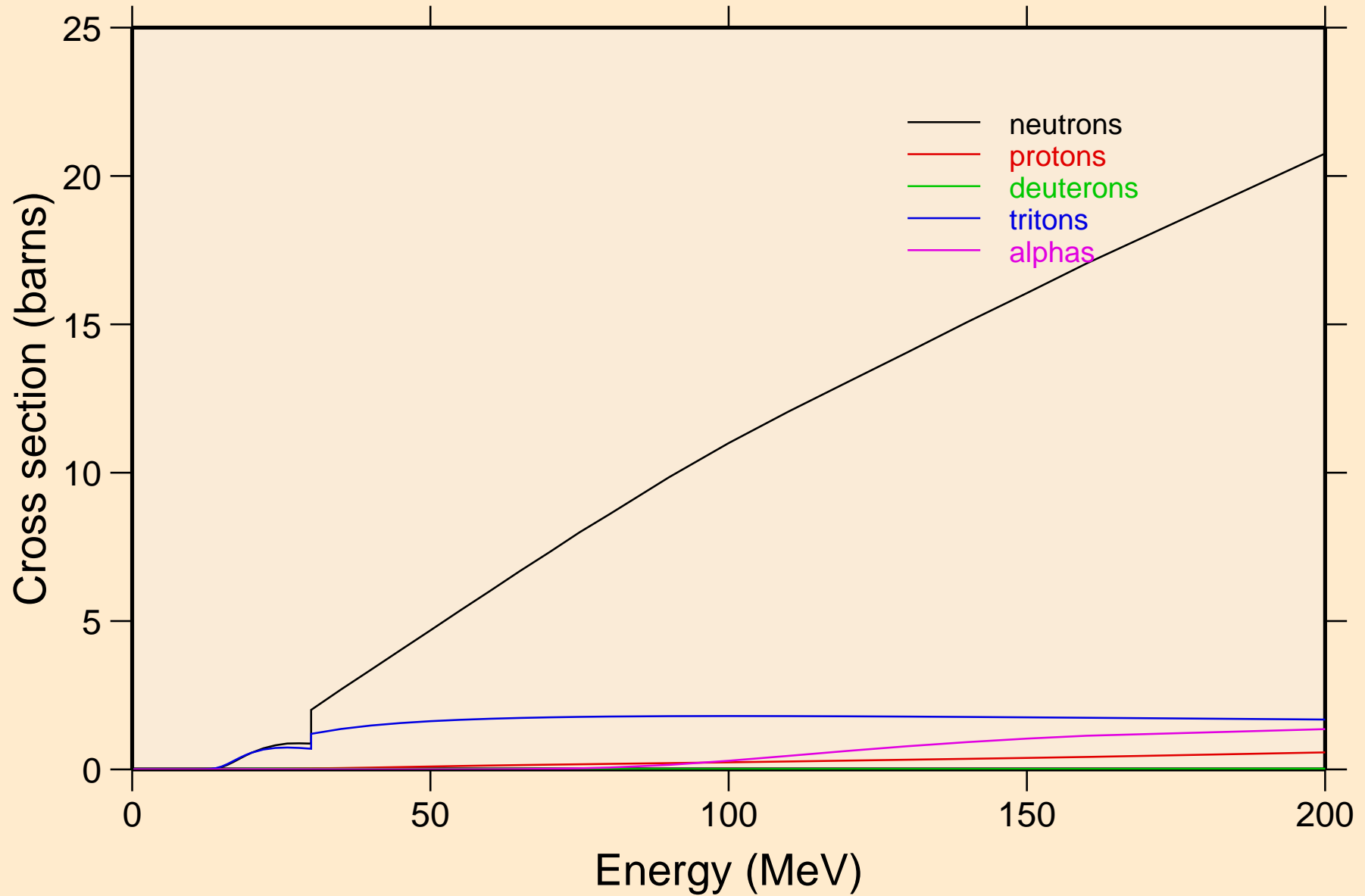
## Particle heating contributions



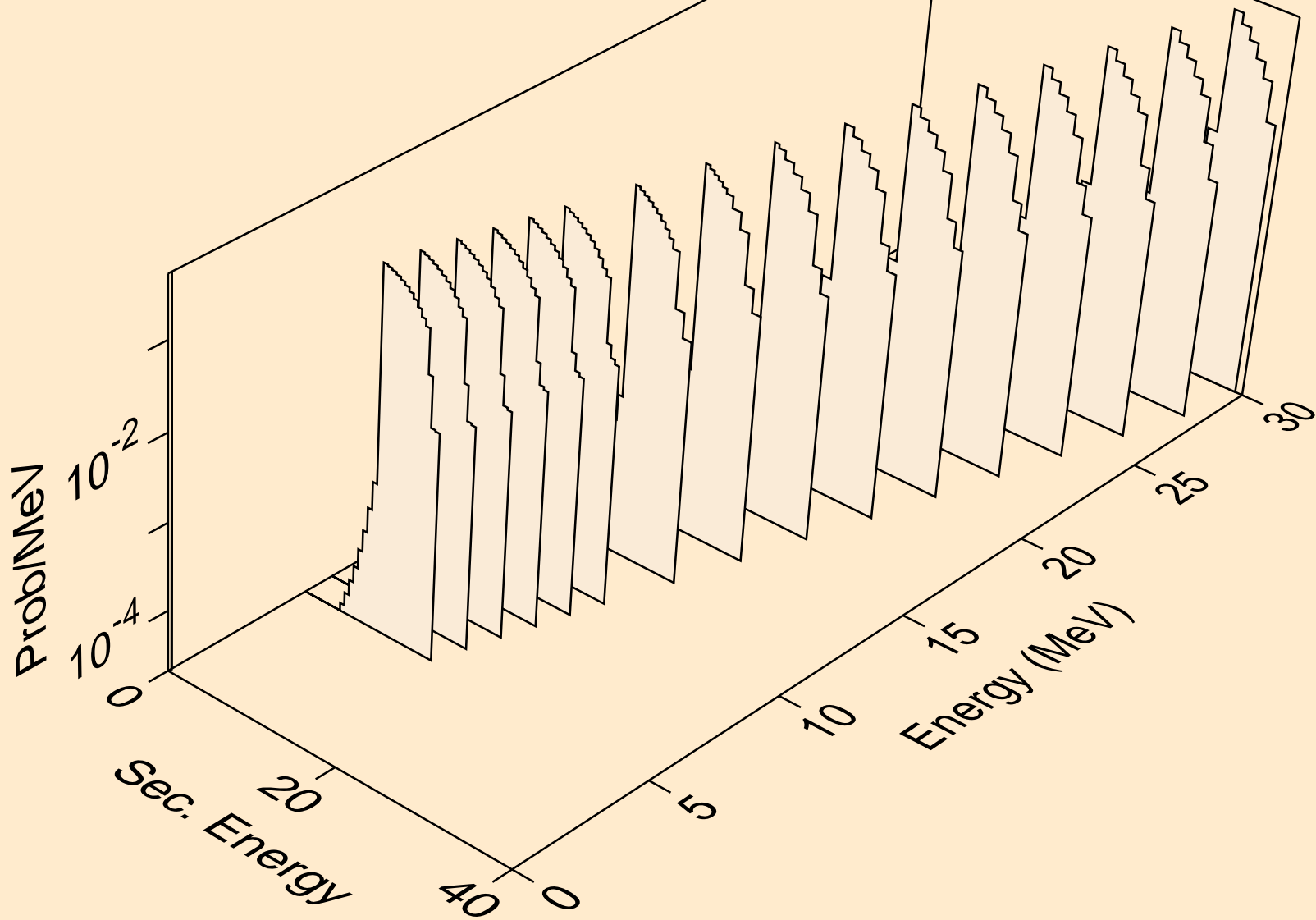
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



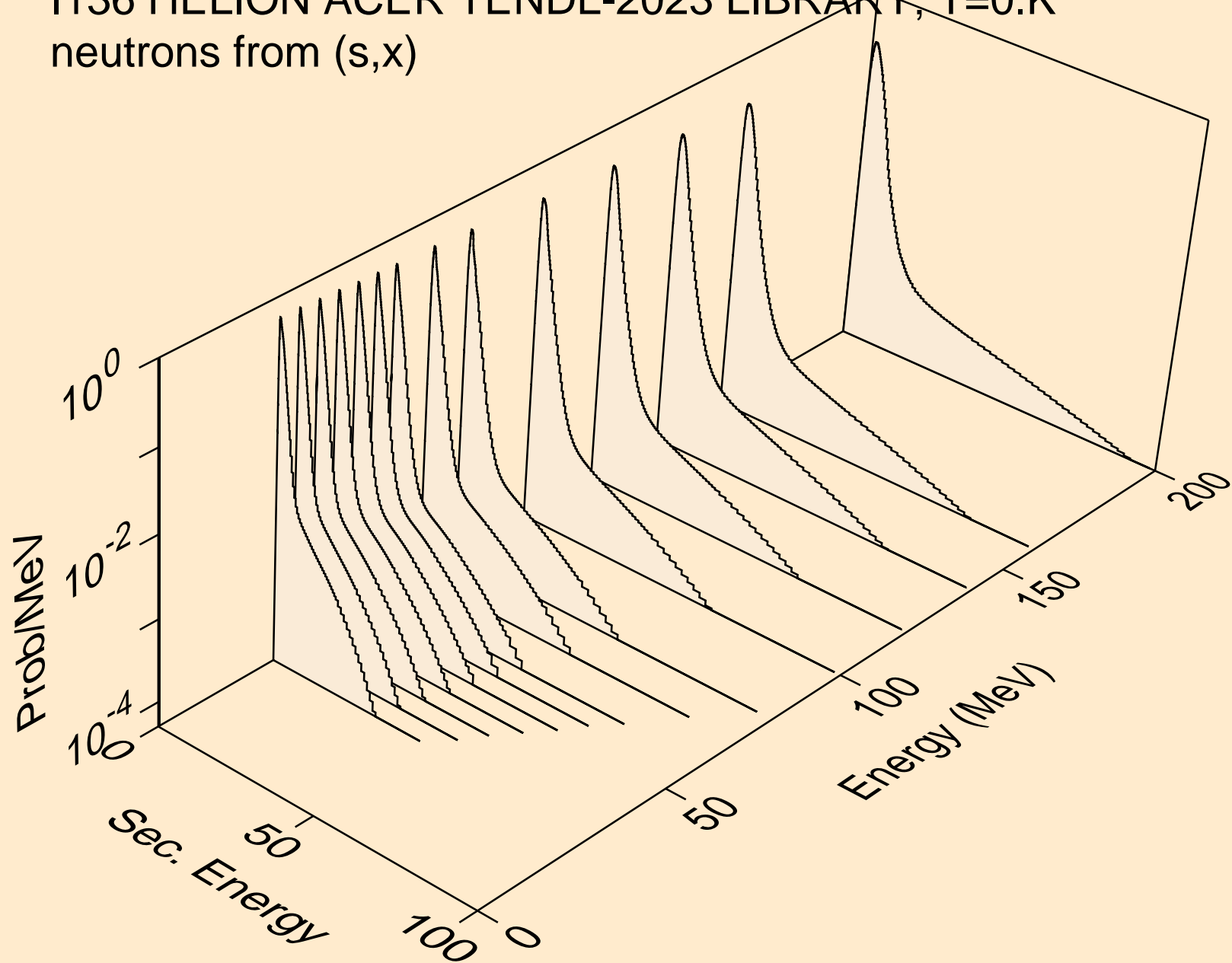
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



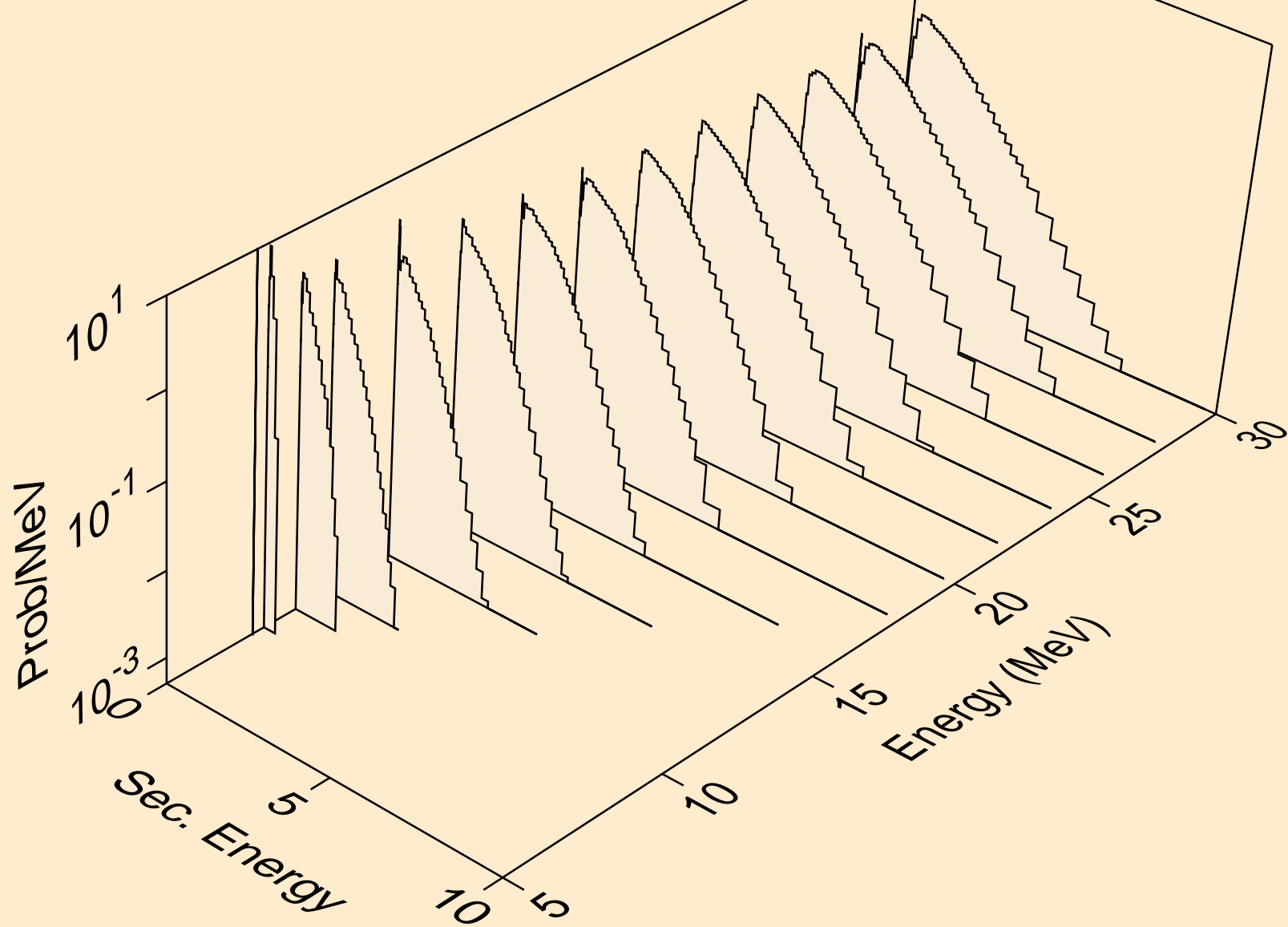
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



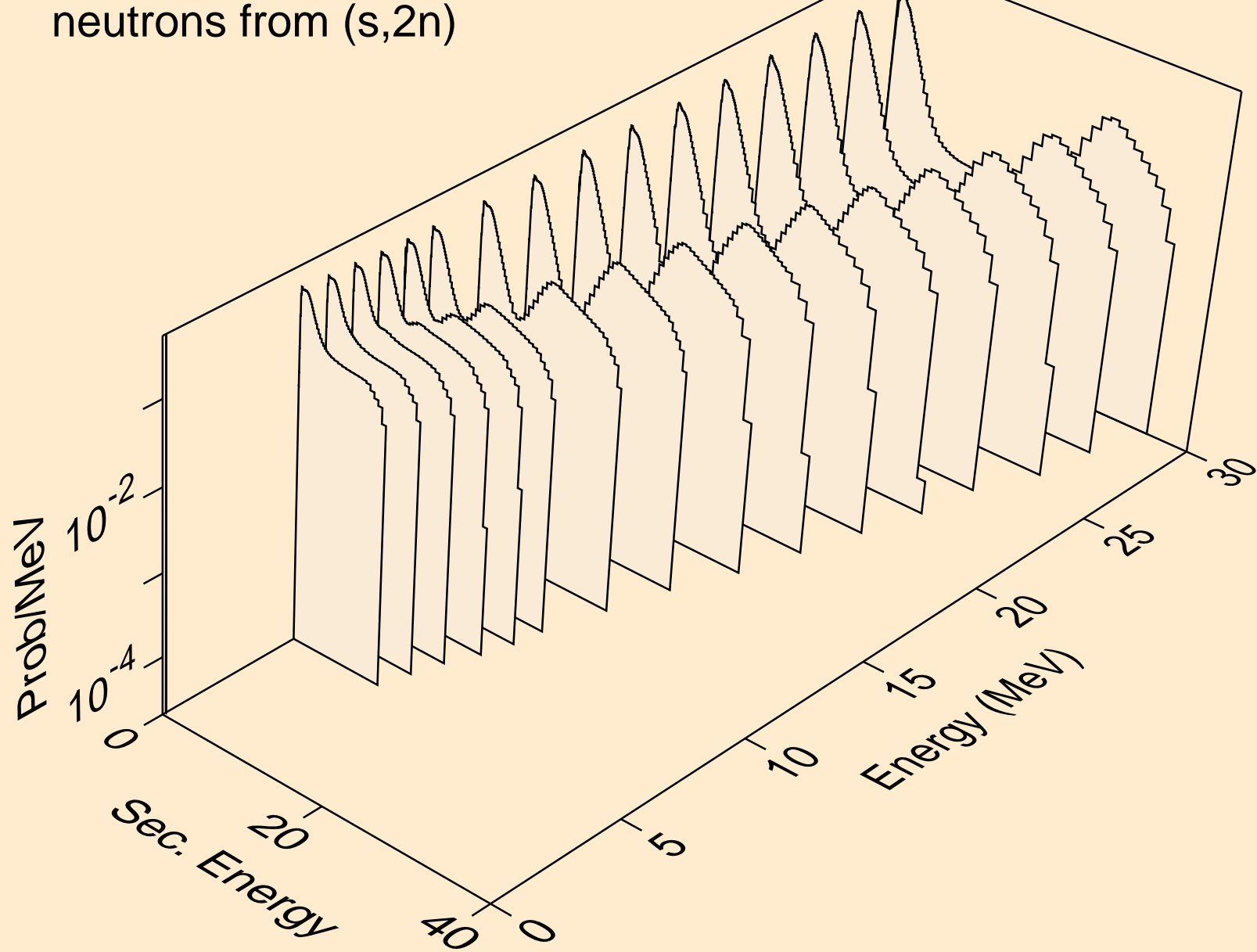
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,x)



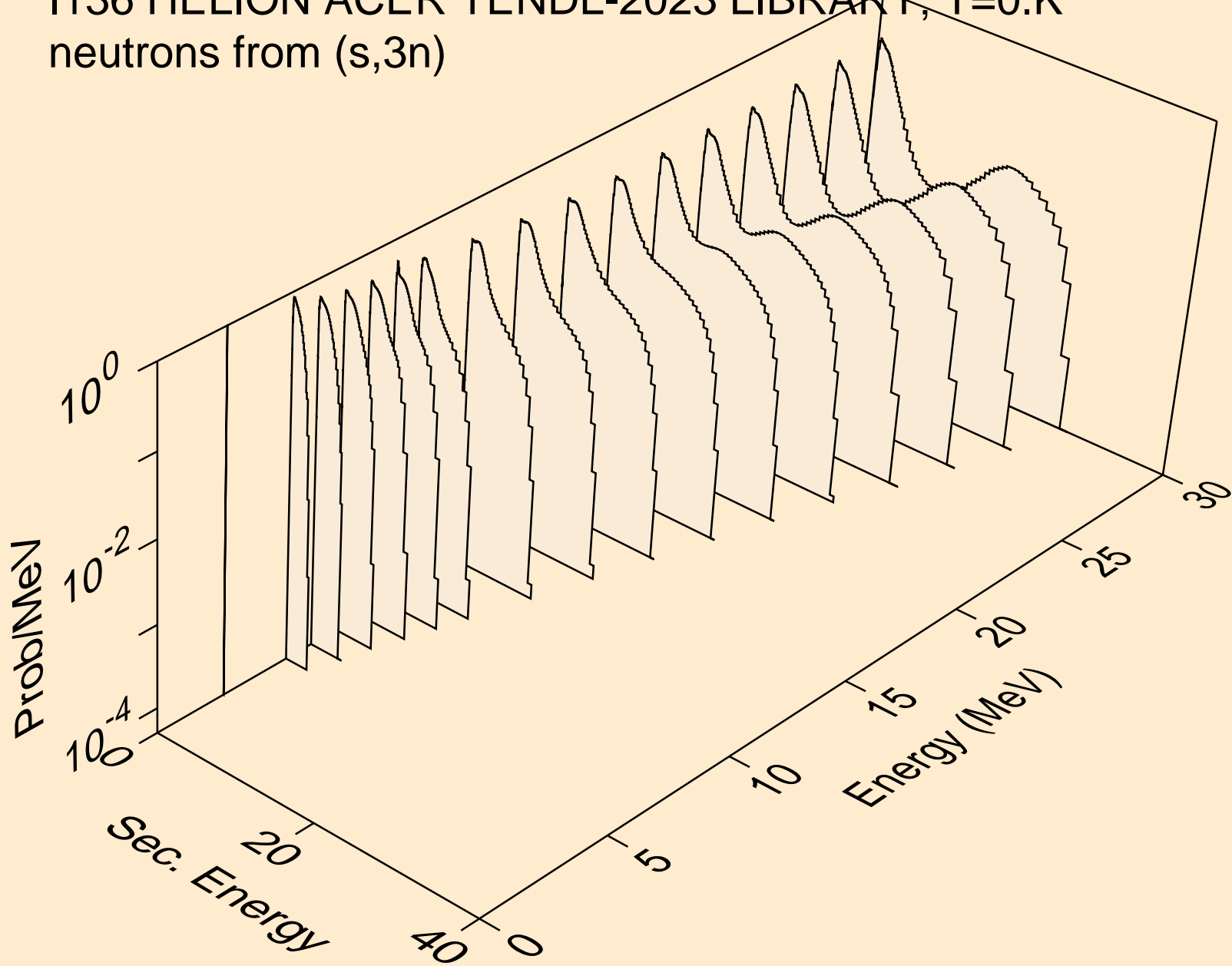
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neutrons from (s,2nd)



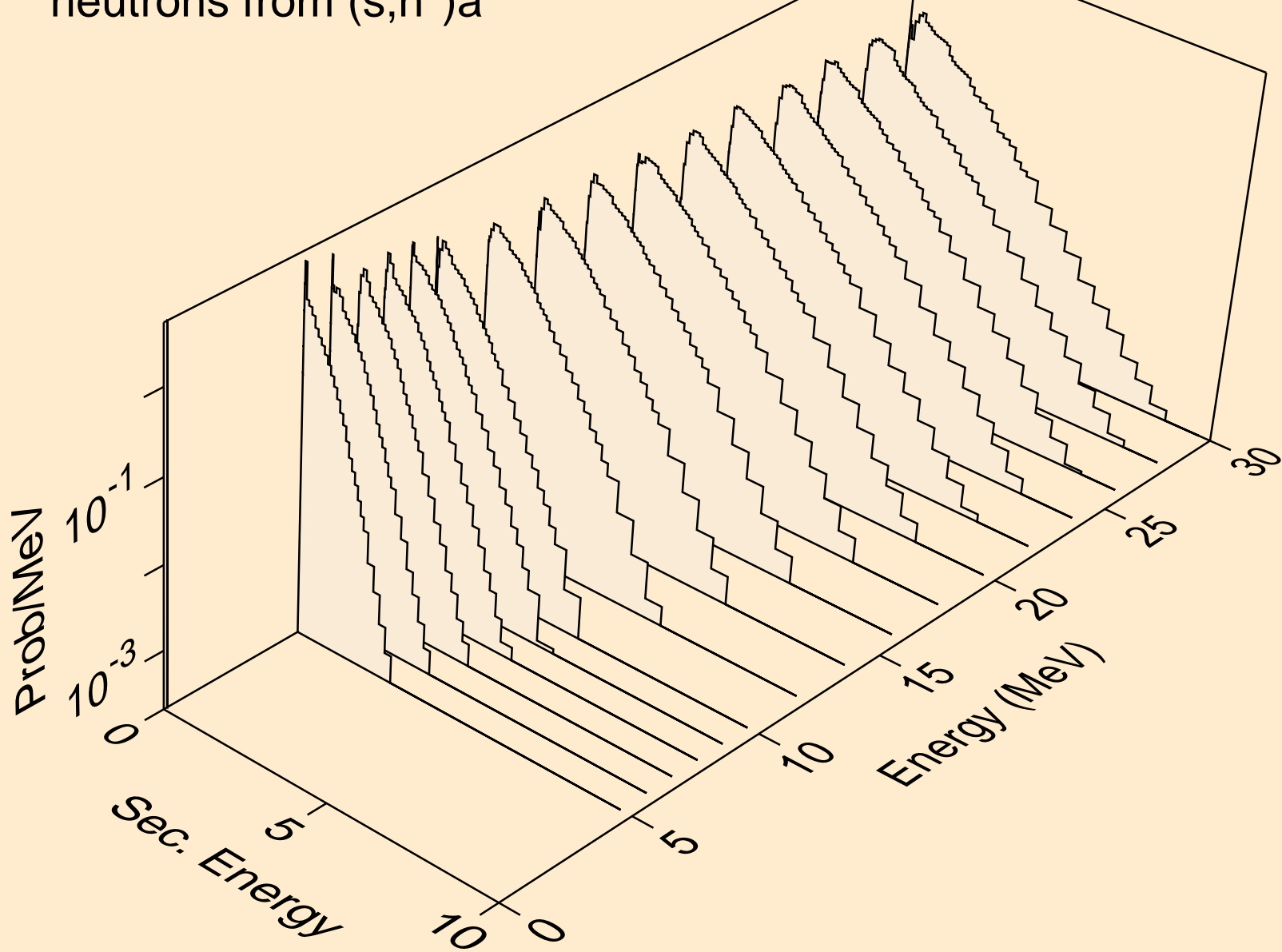
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neutrons from (s,2n)



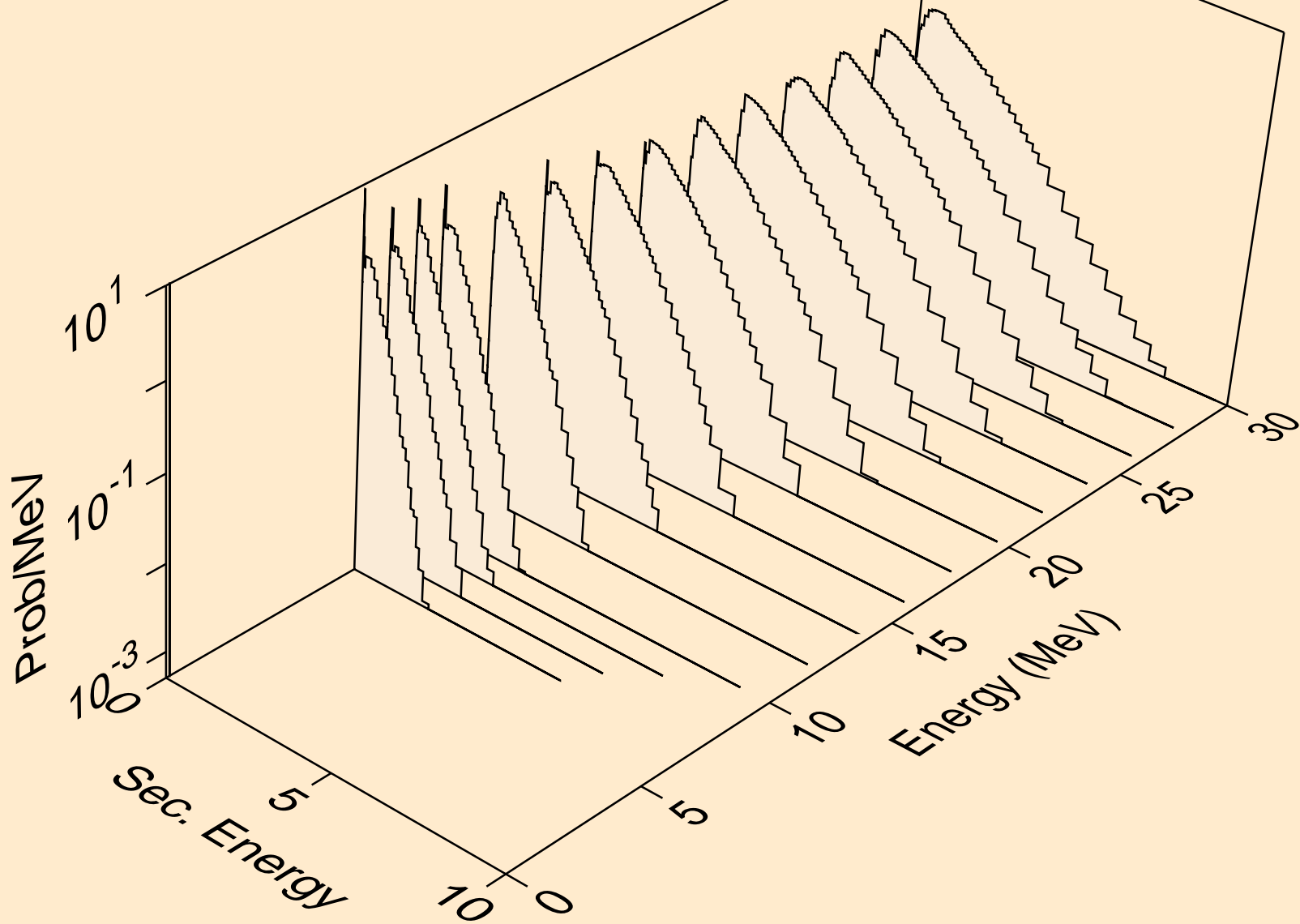
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neutrons from (s,3n)



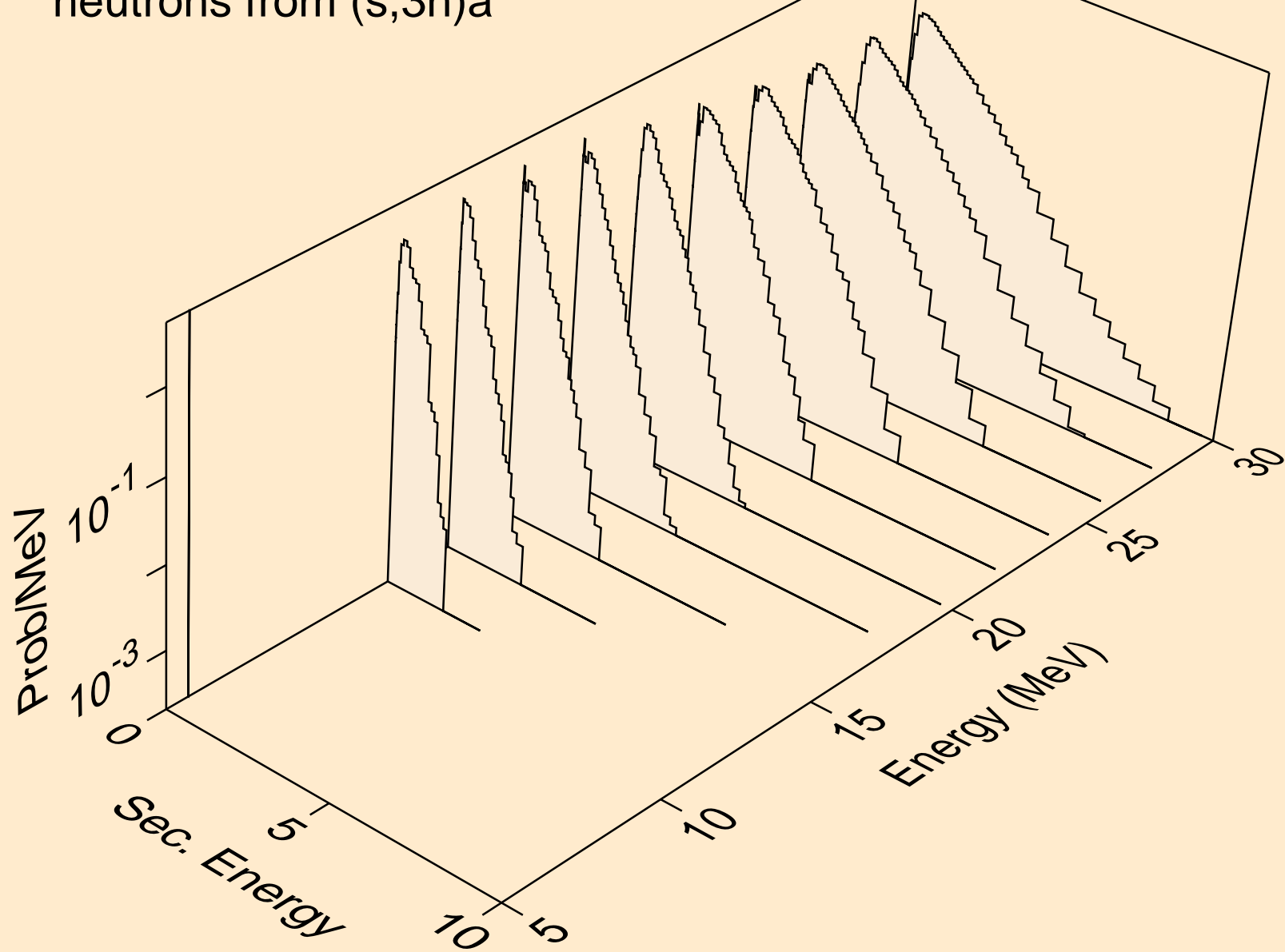
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a



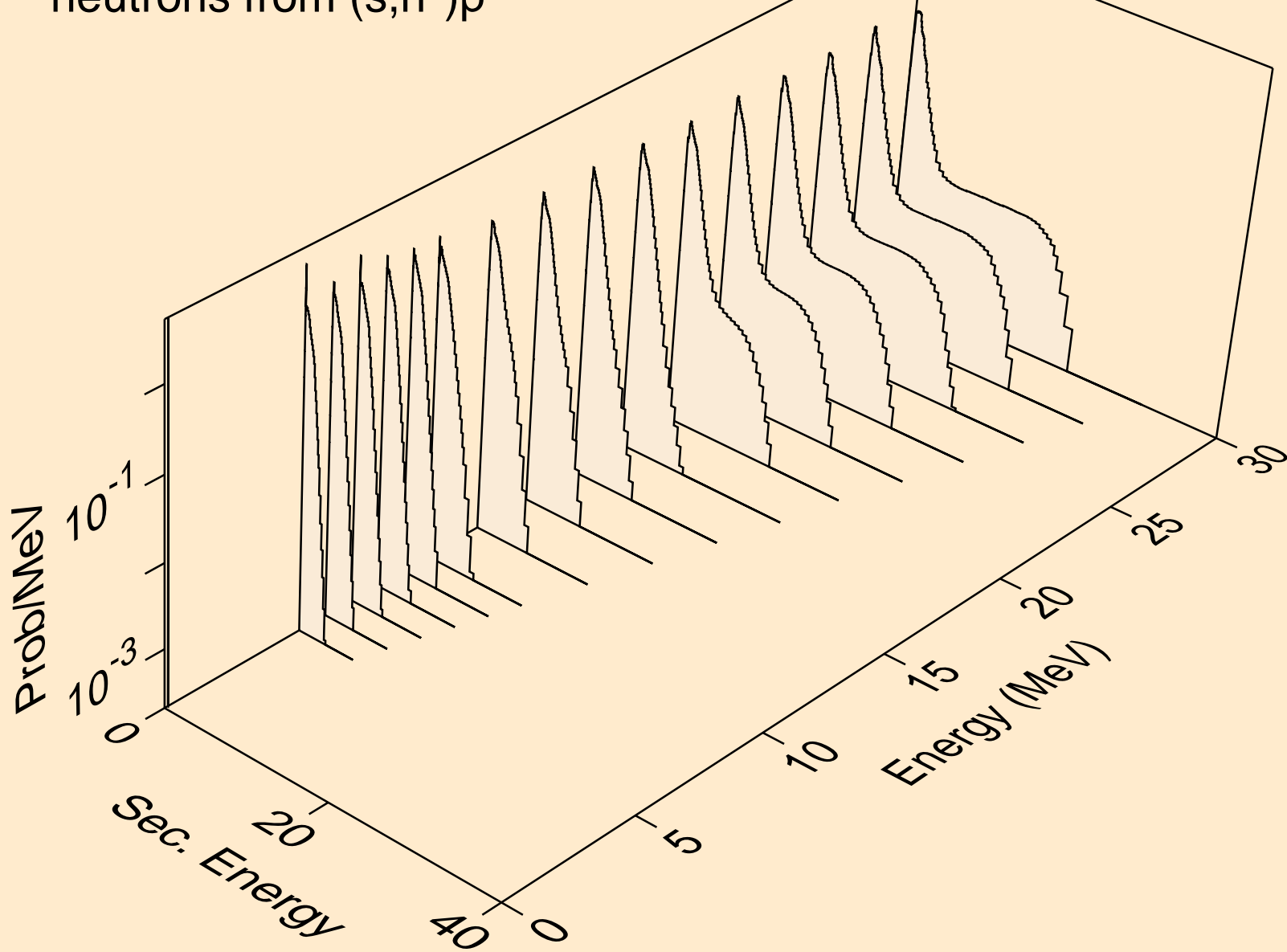
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neutrons from (s,2n)a



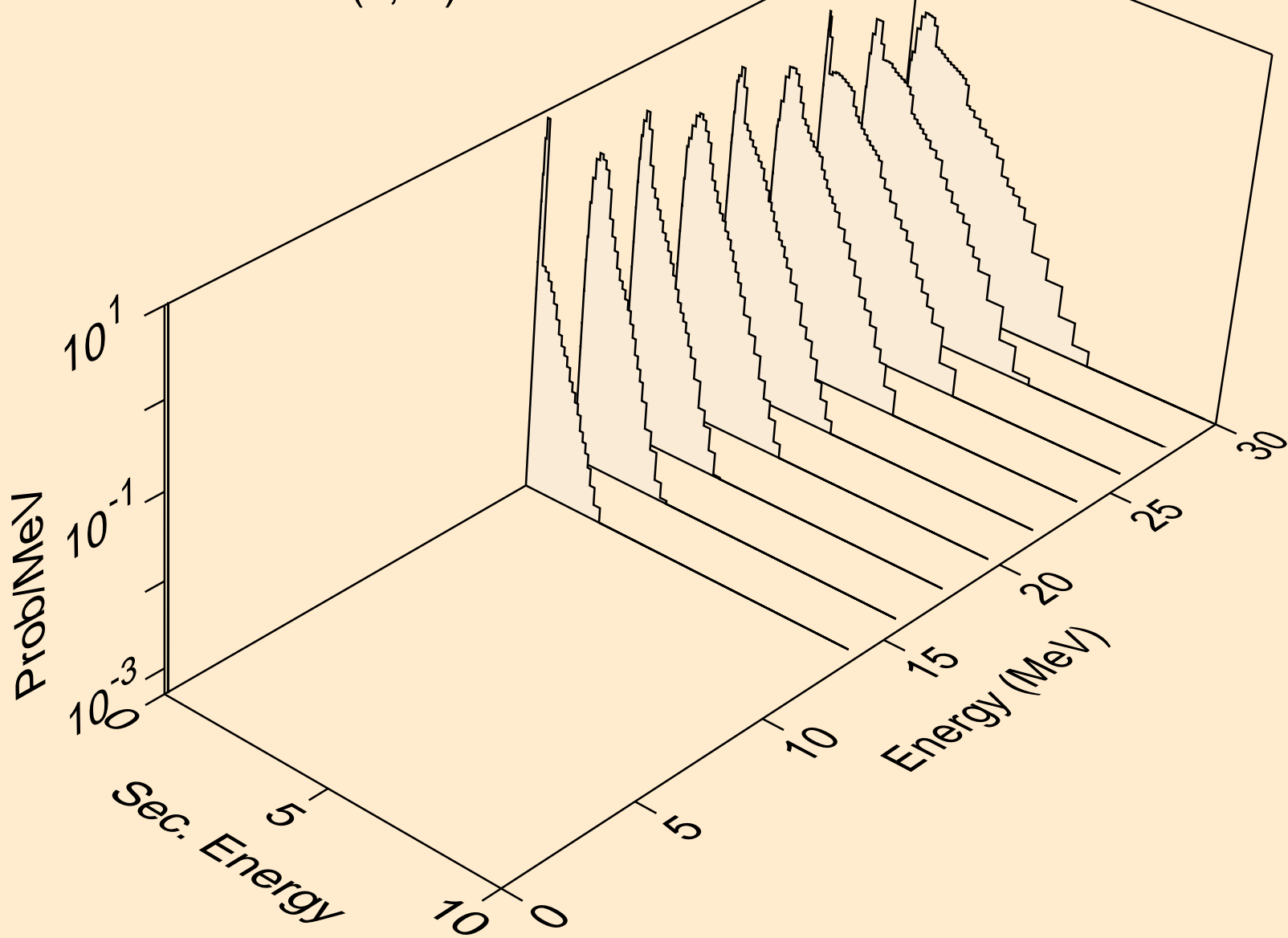
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neutrons from (s,3n)a



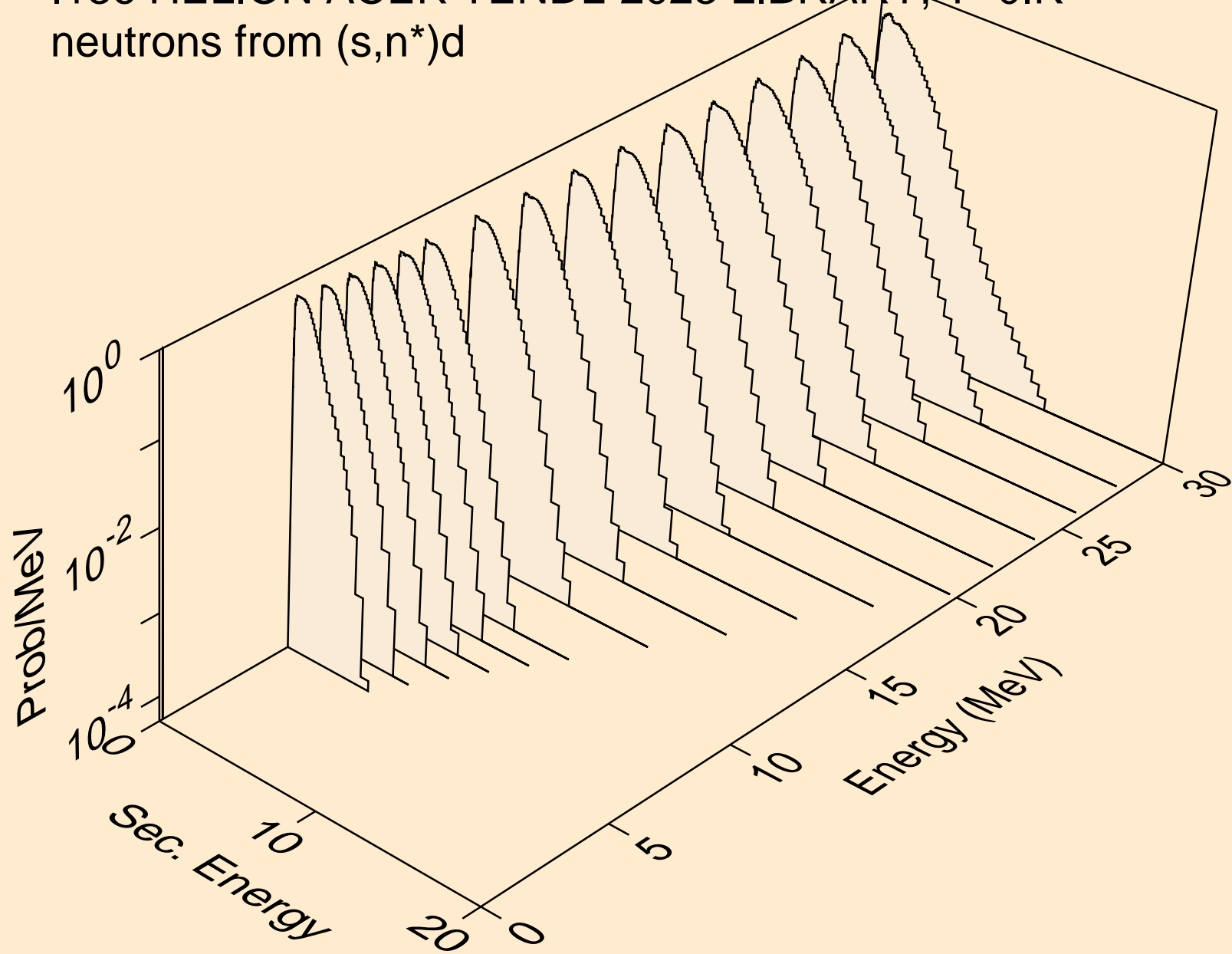
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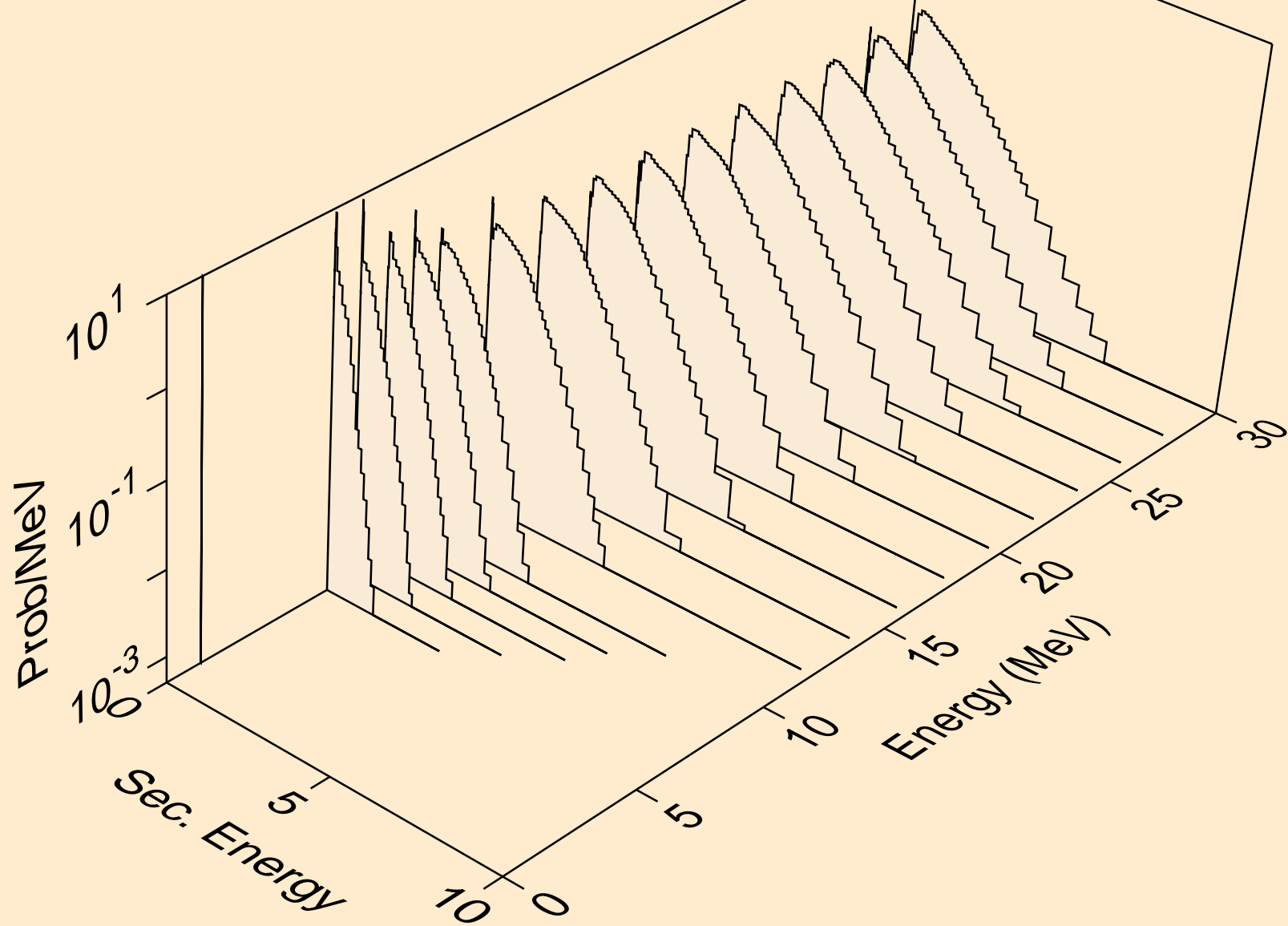
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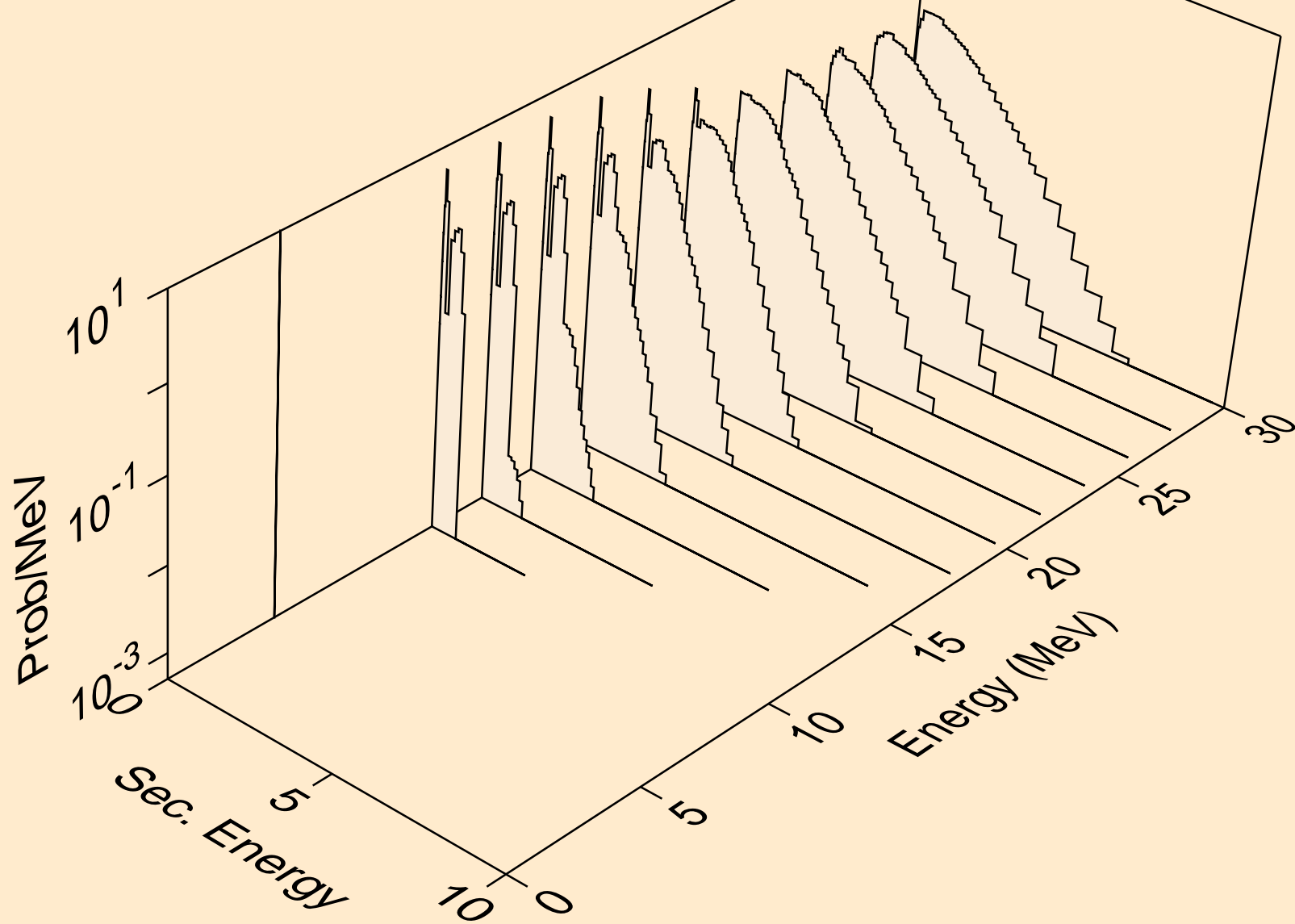
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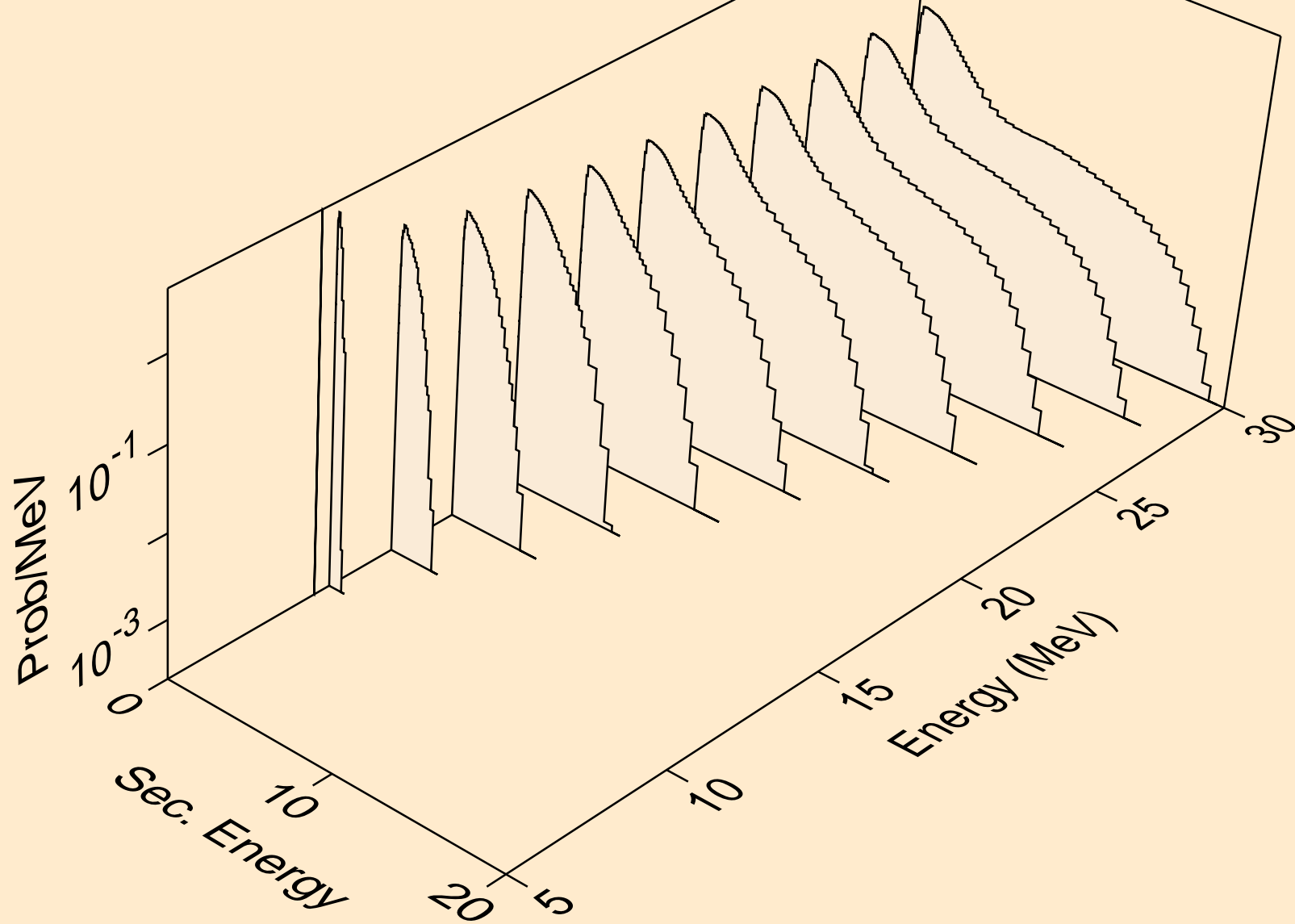
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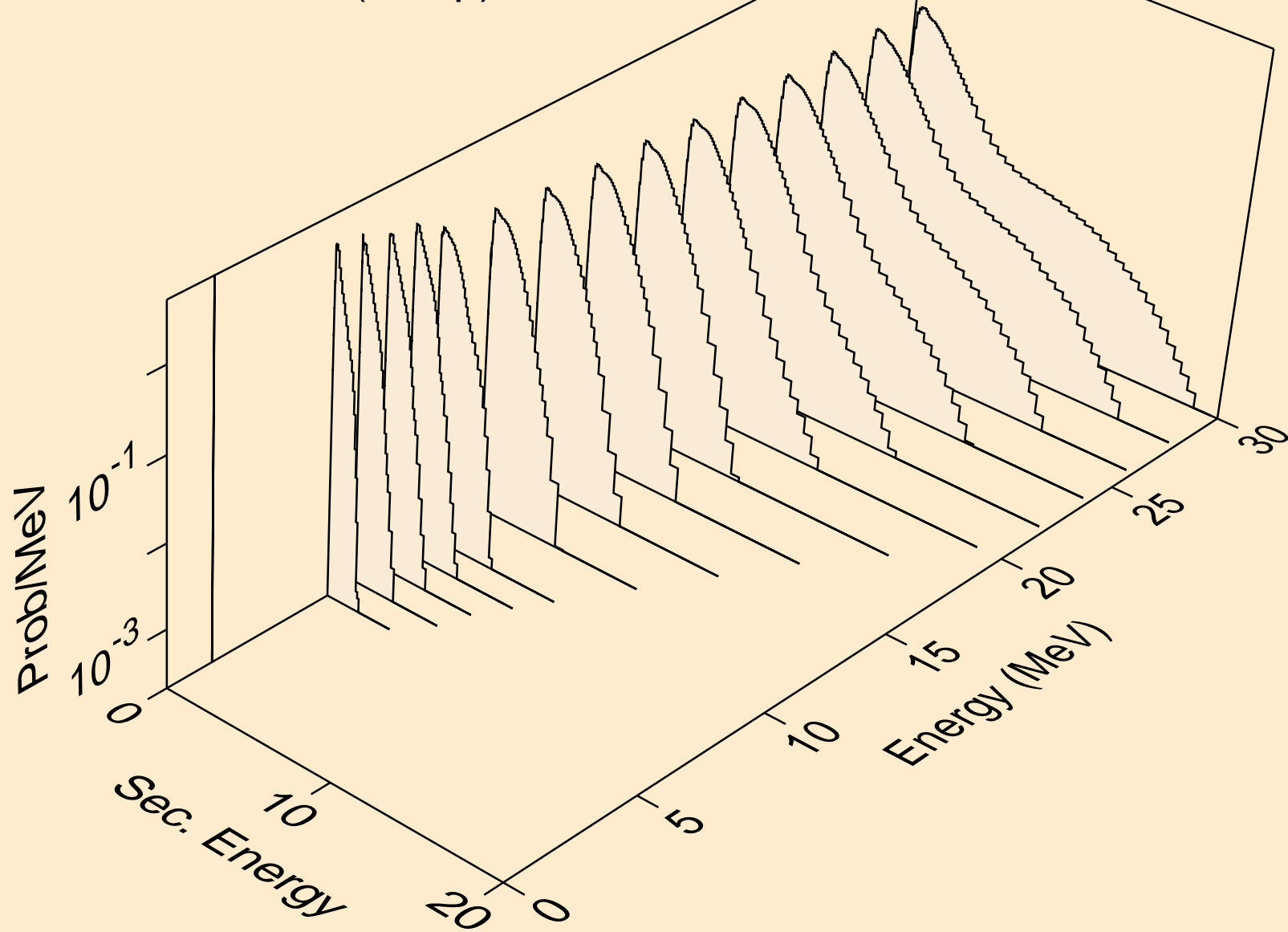
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3



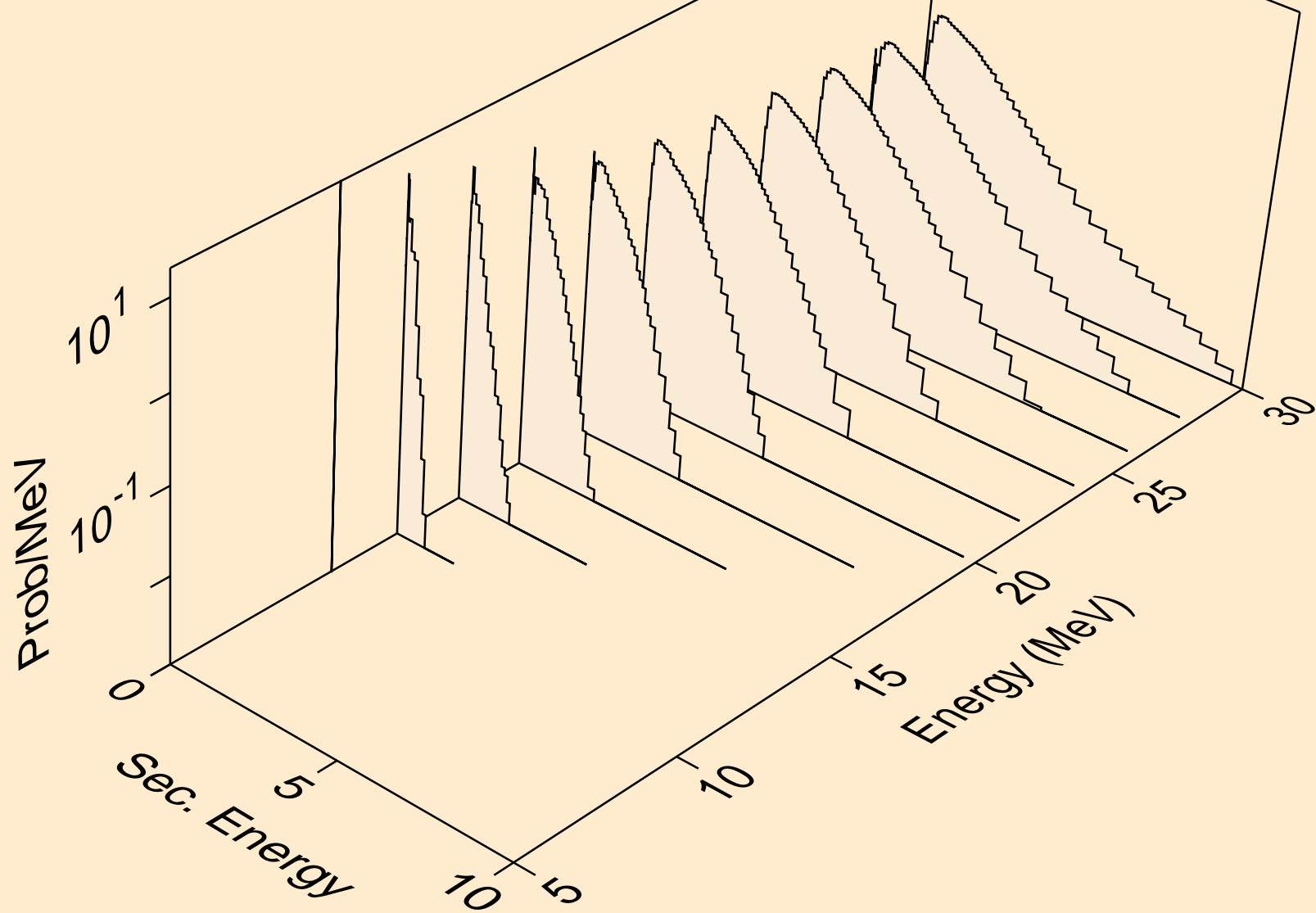
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neutrons from (s,4n)



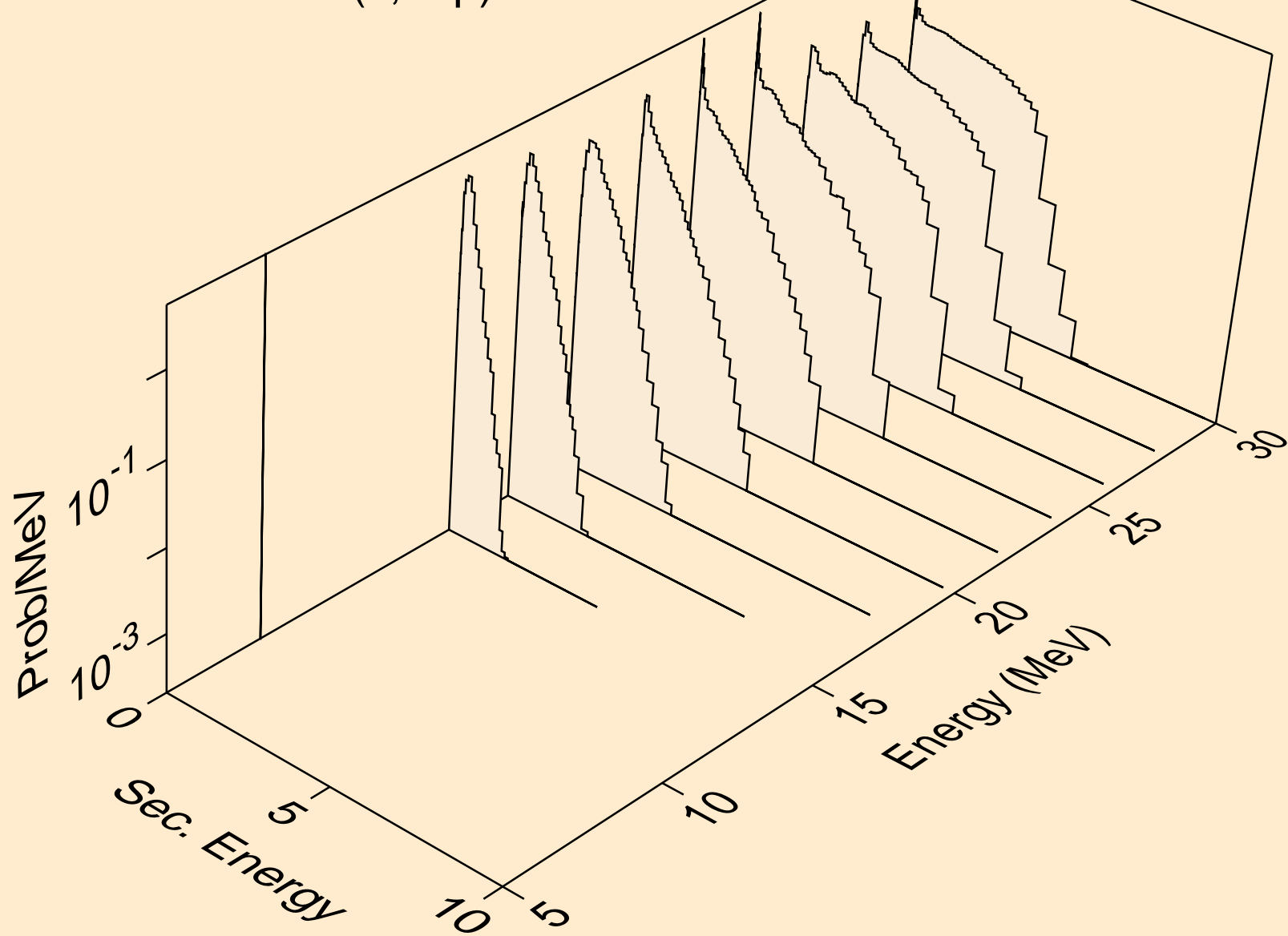
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neutrons from (s,2np)



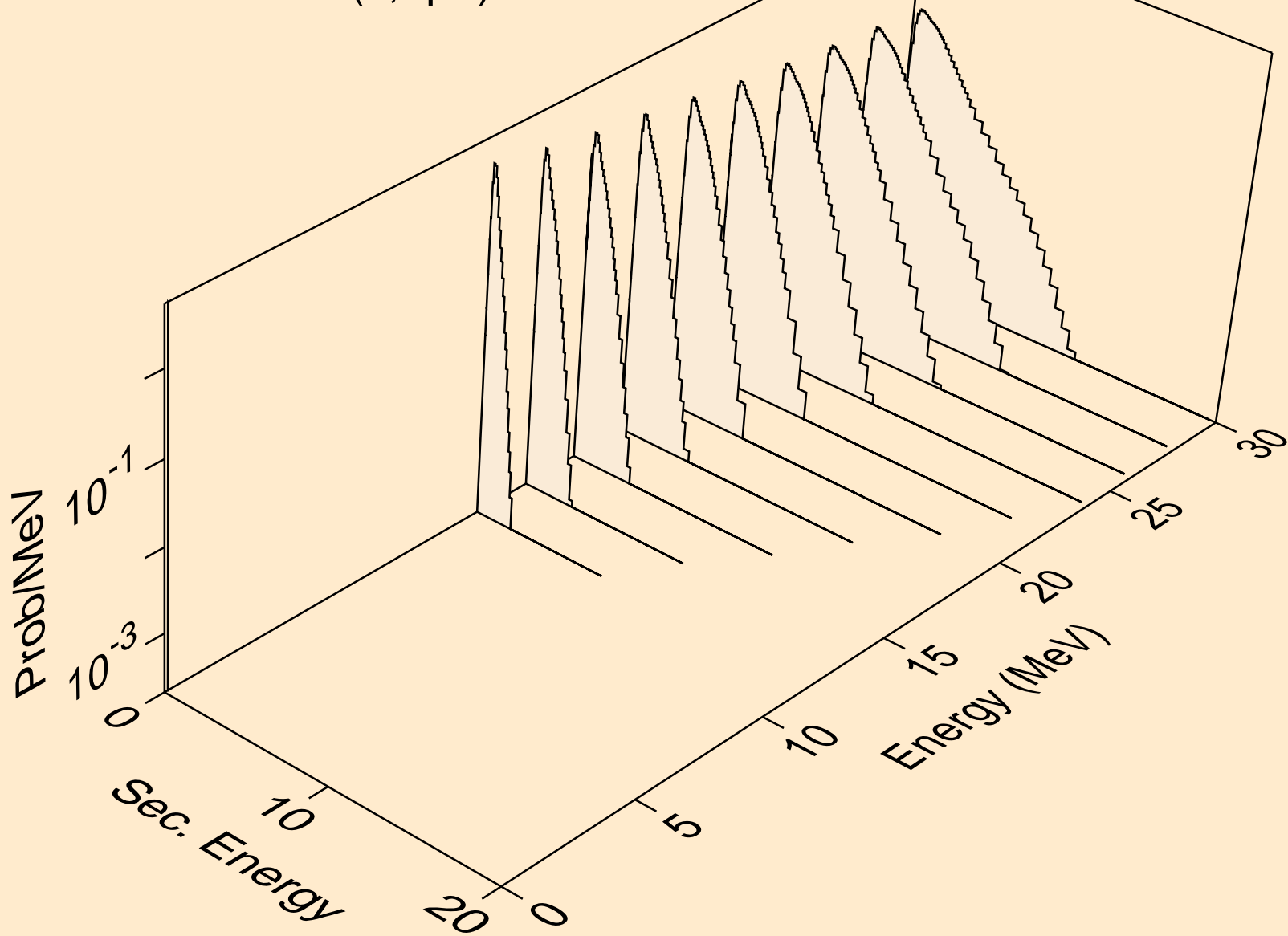
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,3np)



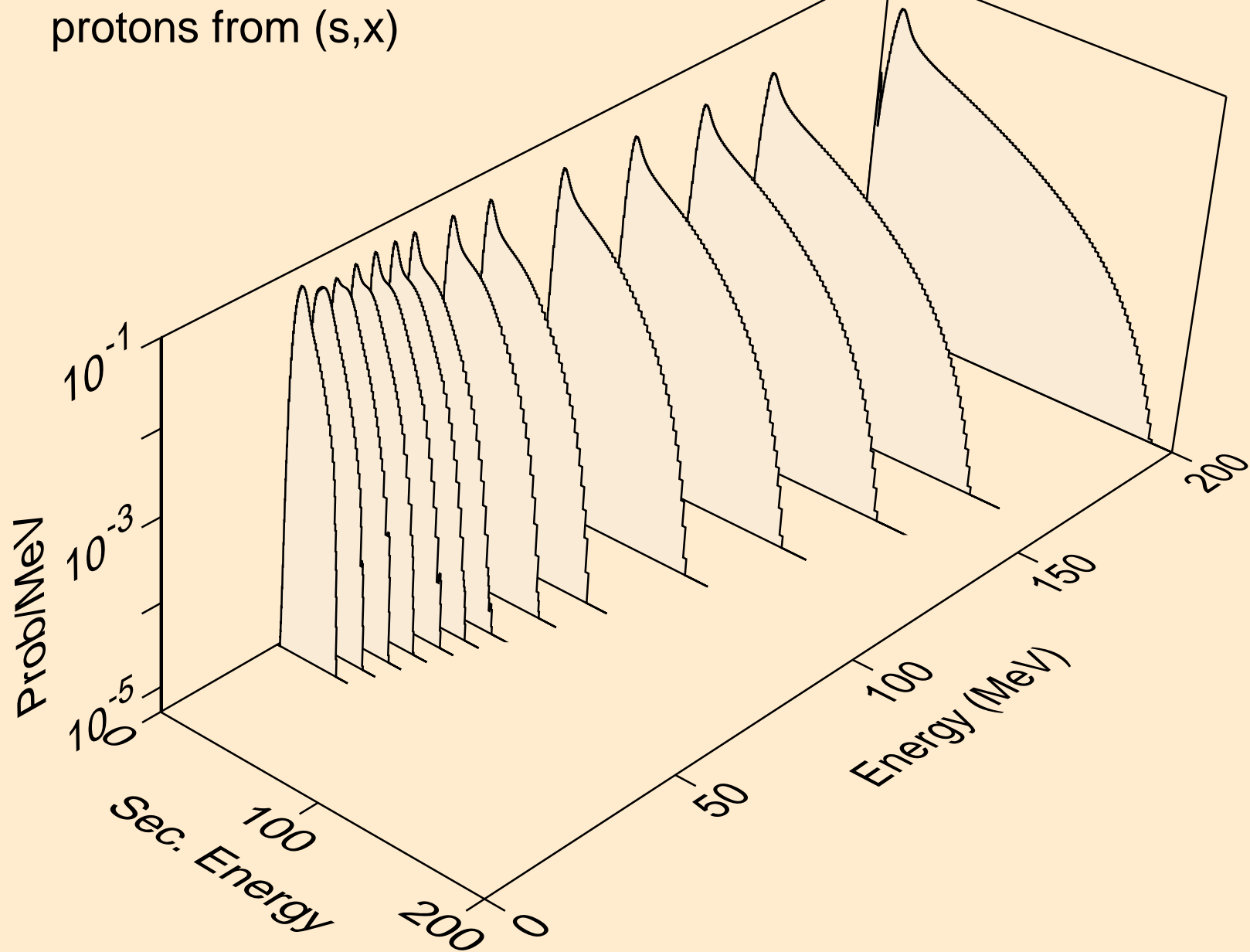
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n2p)



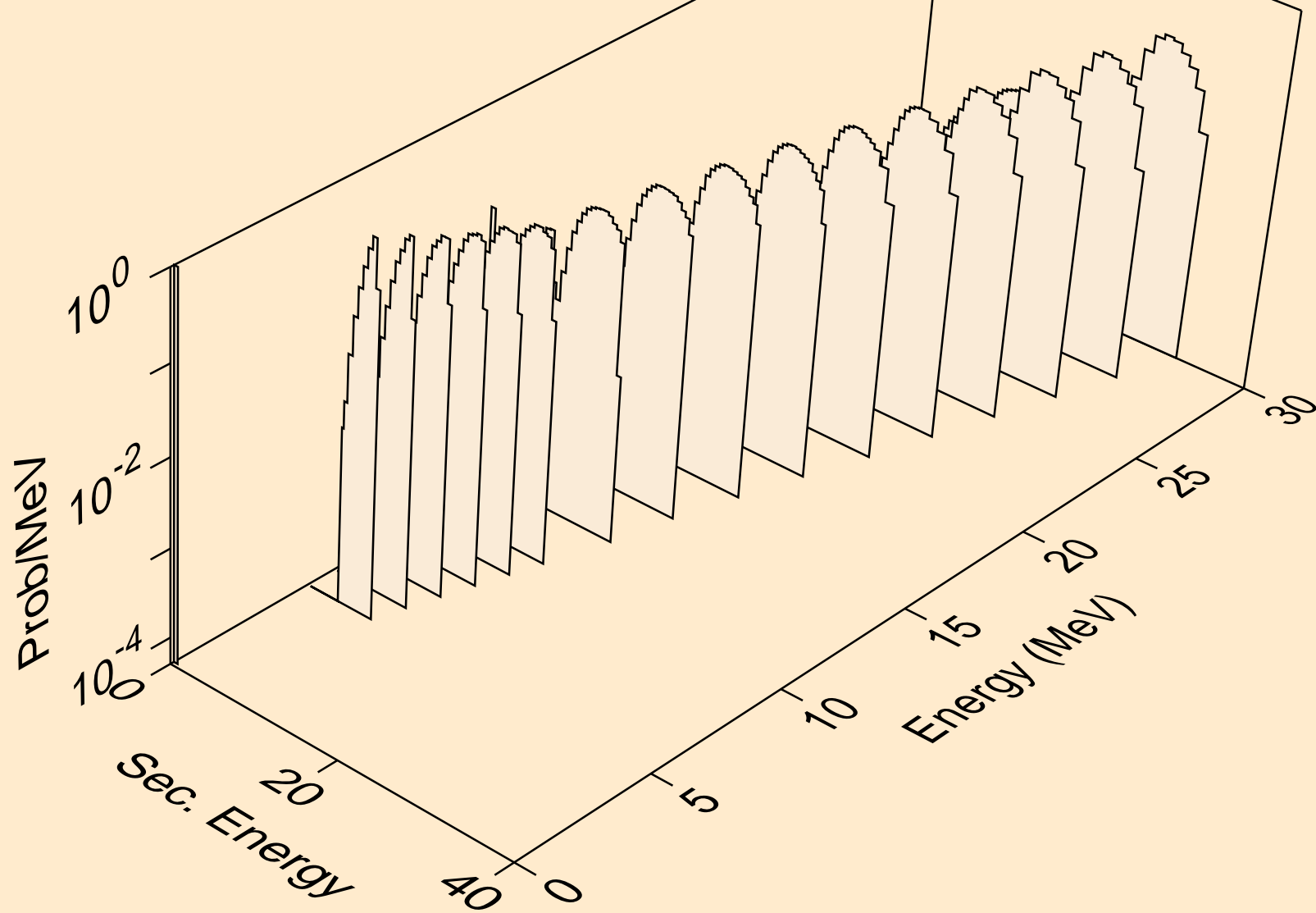
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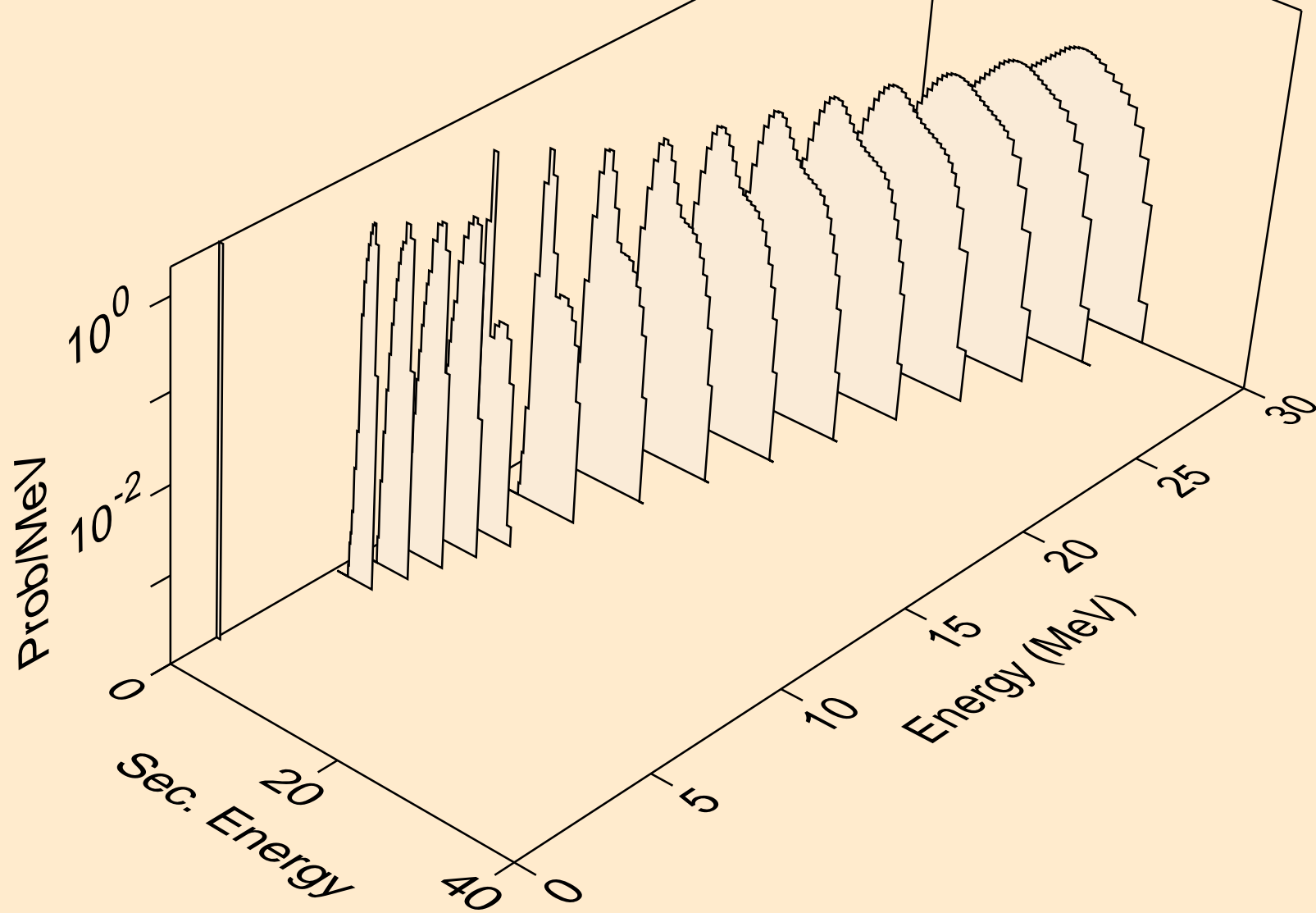
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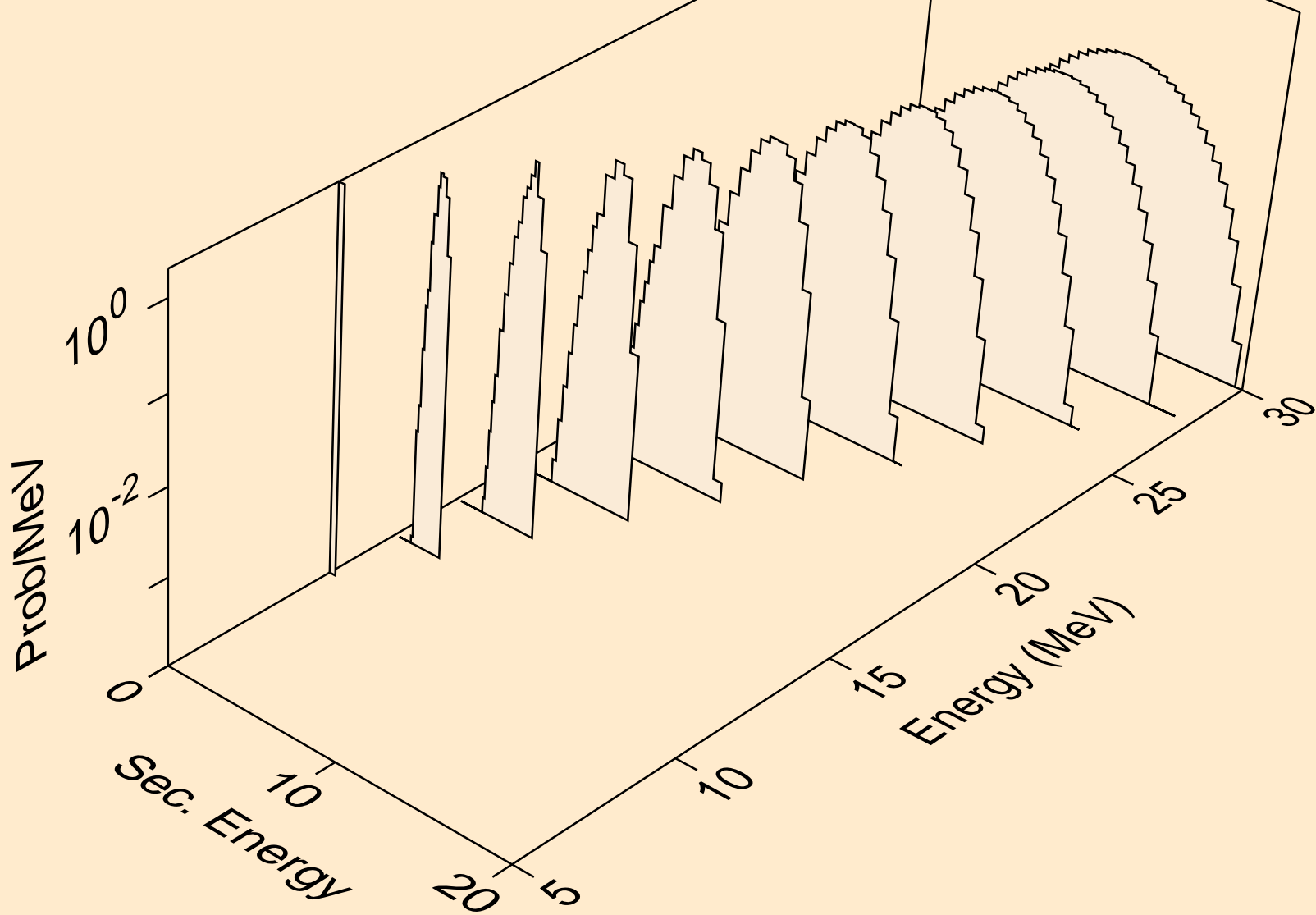
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protons from (s,n\*)p



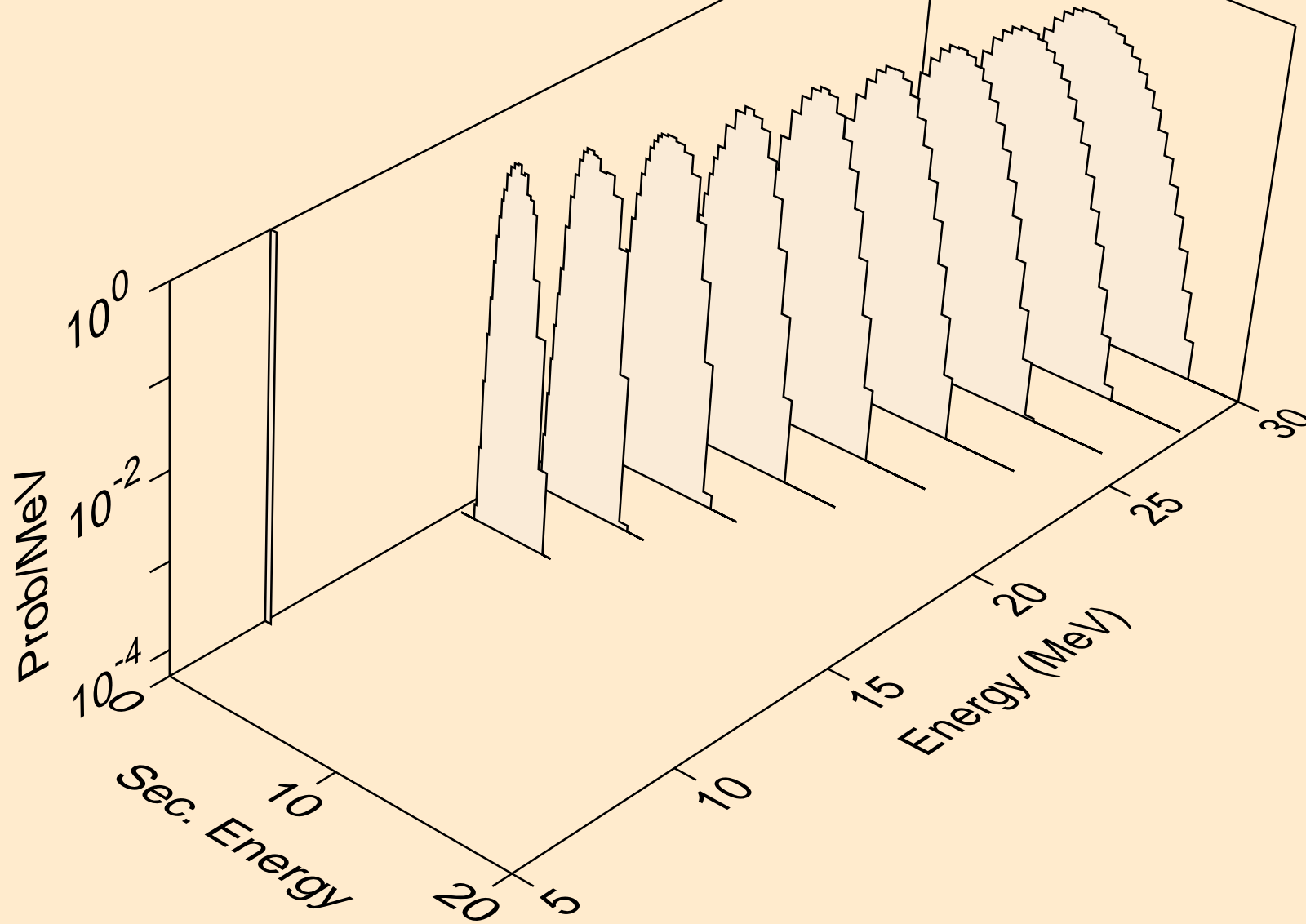
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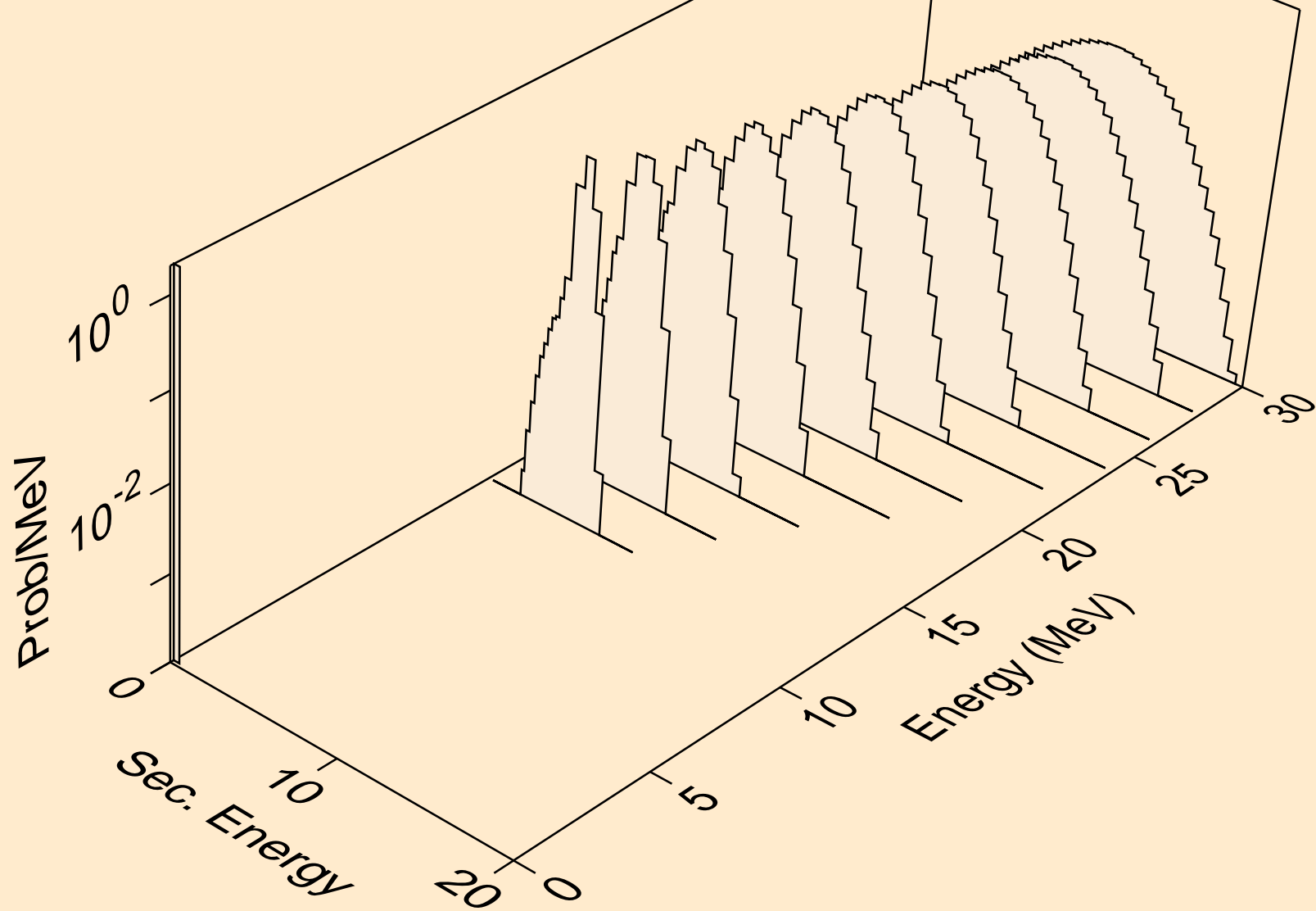
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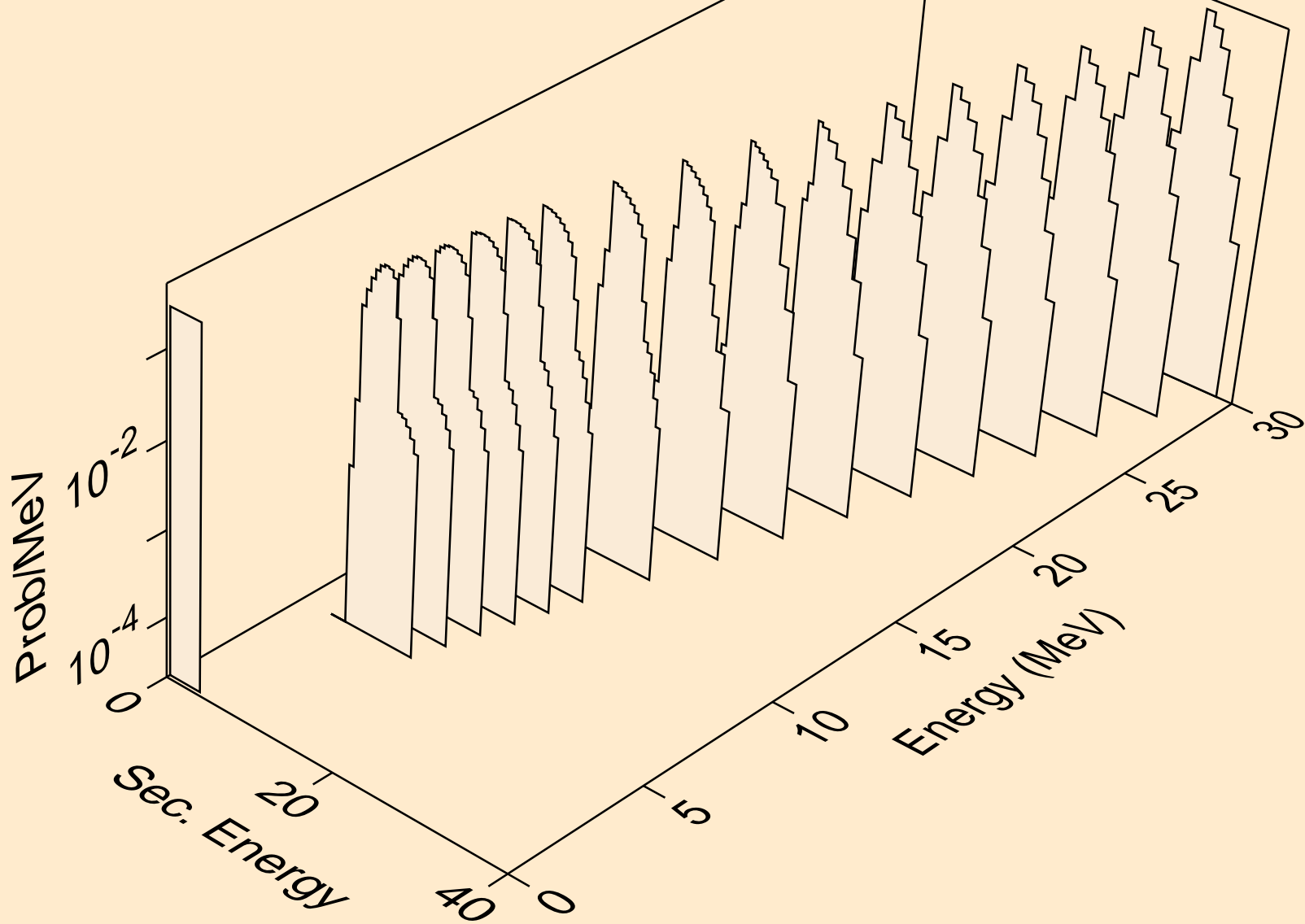
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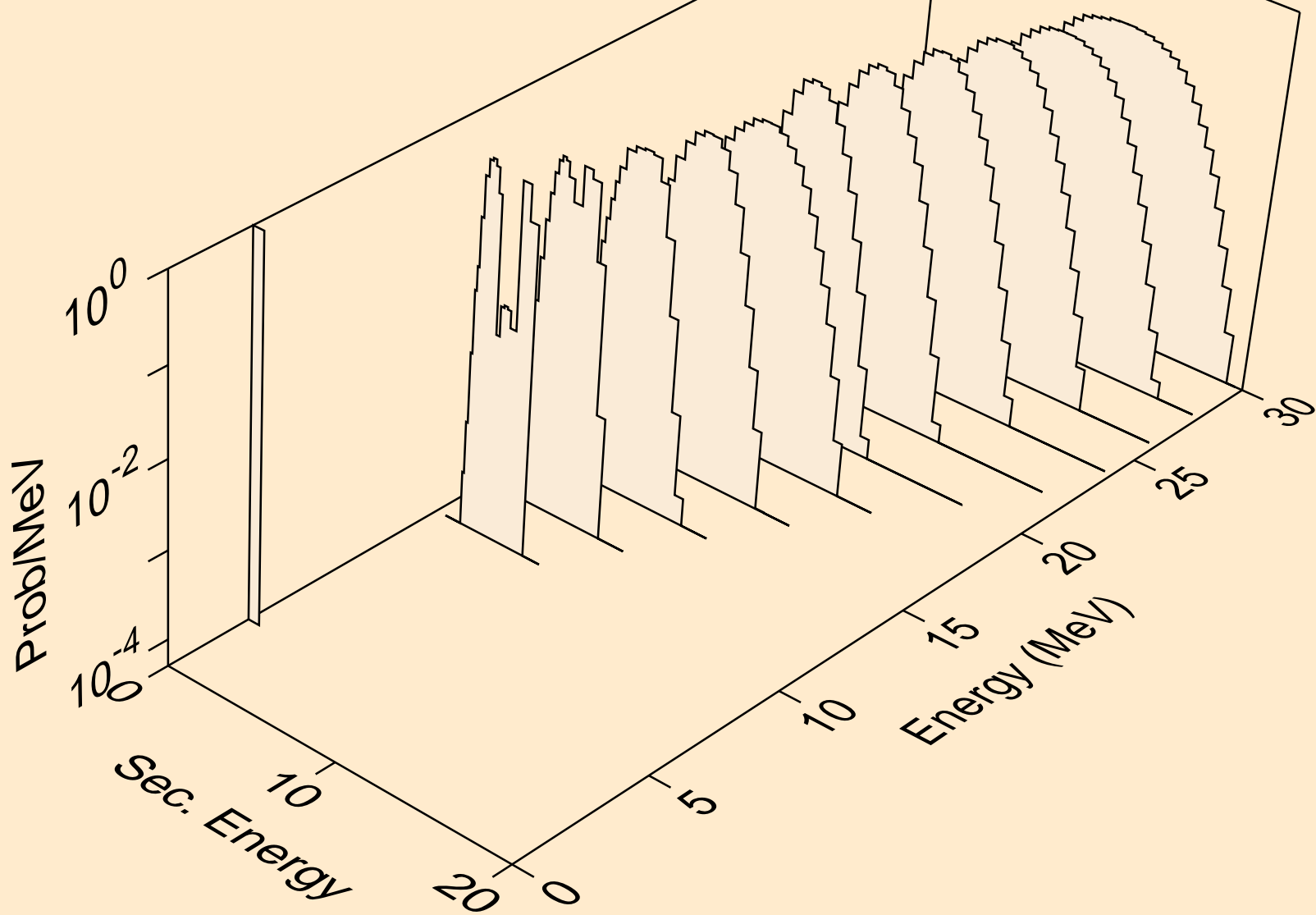
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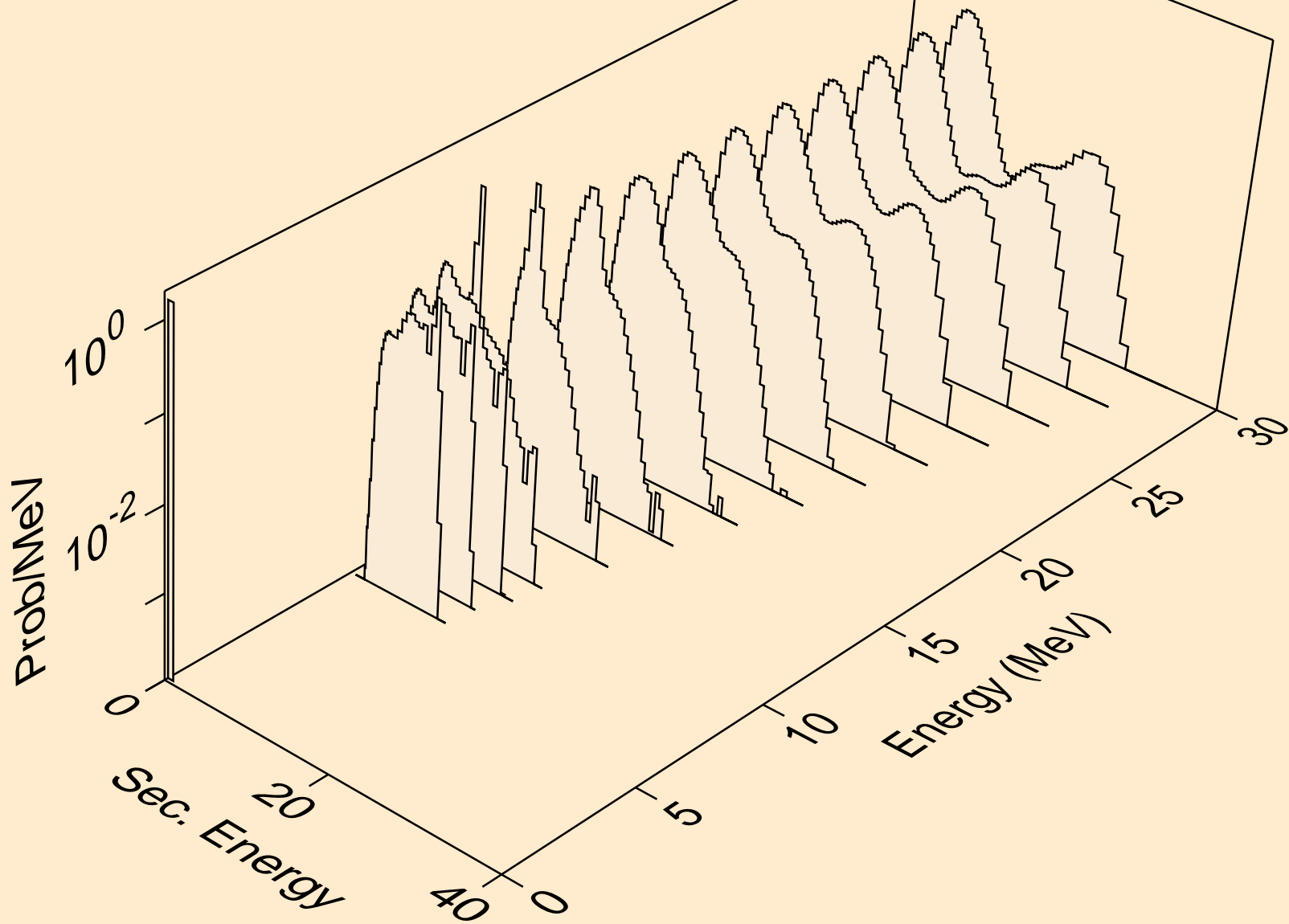
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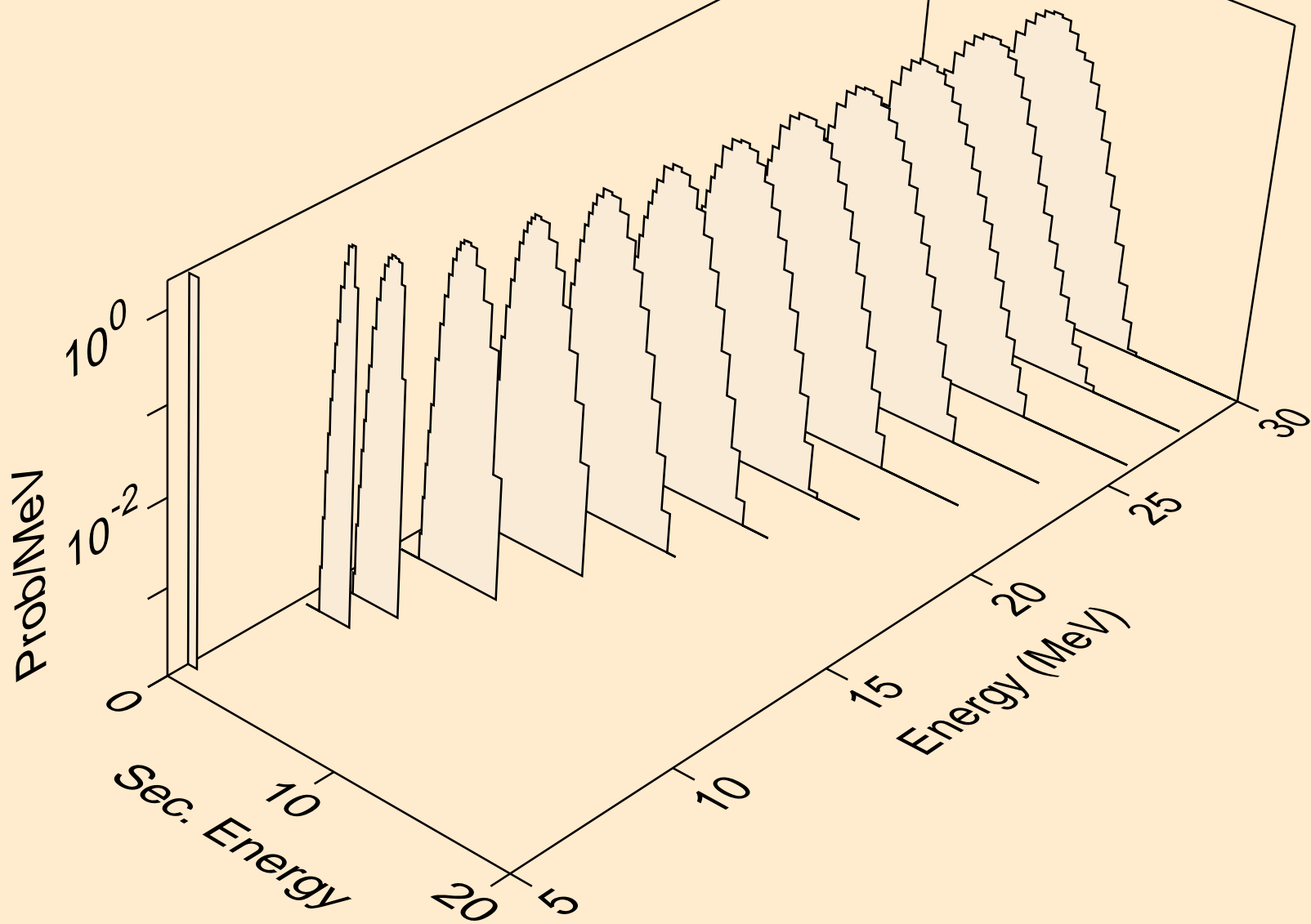
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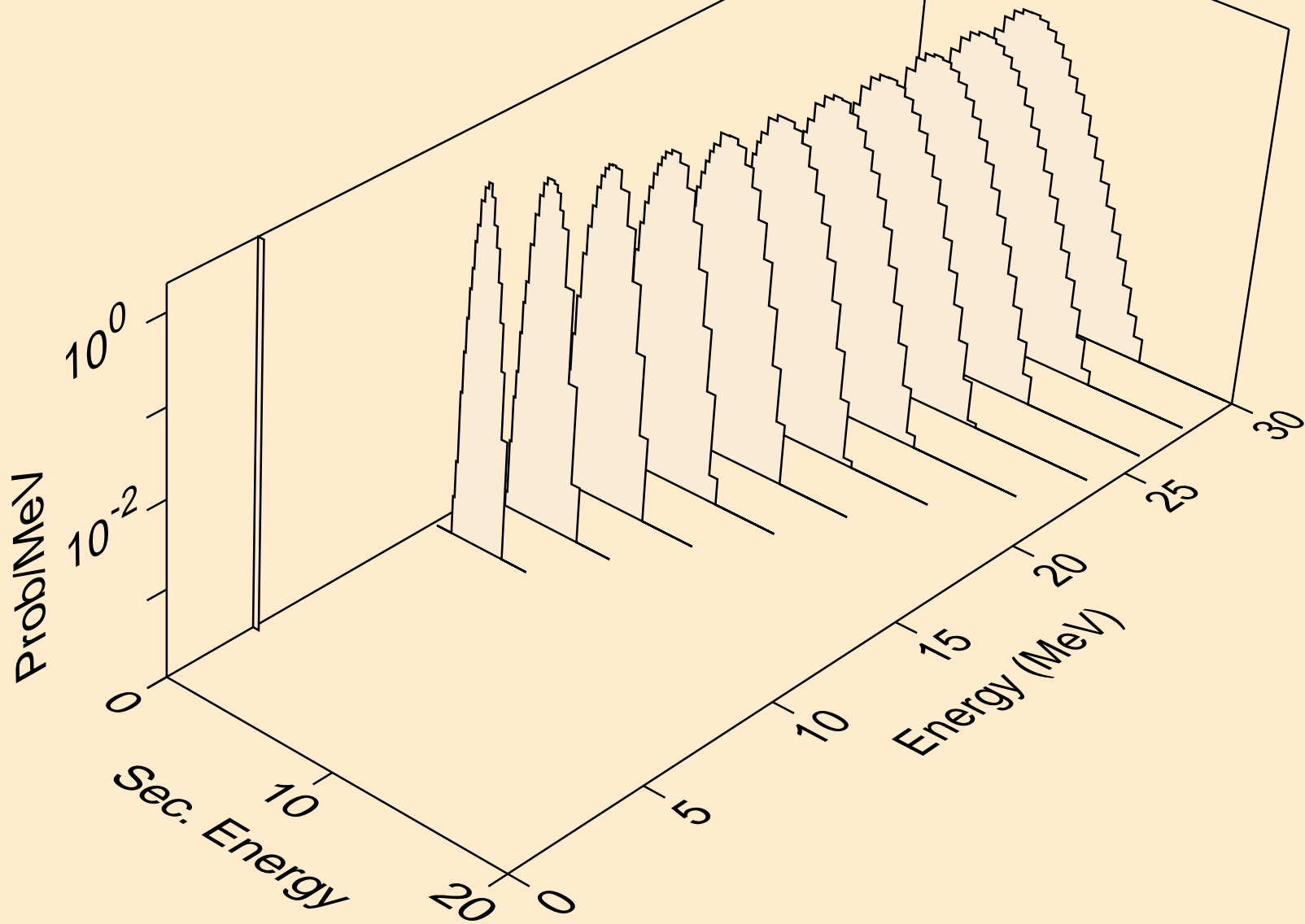
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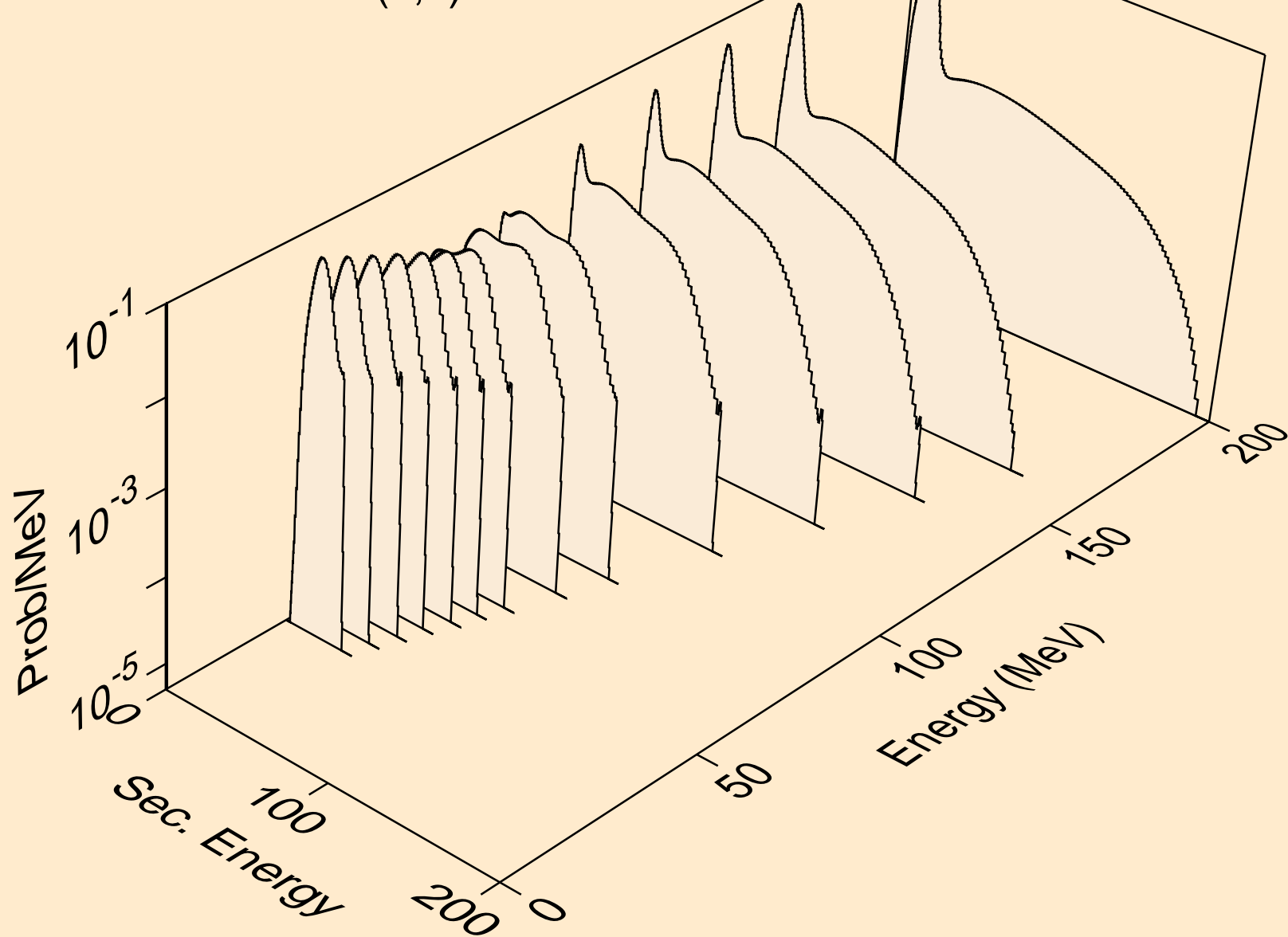
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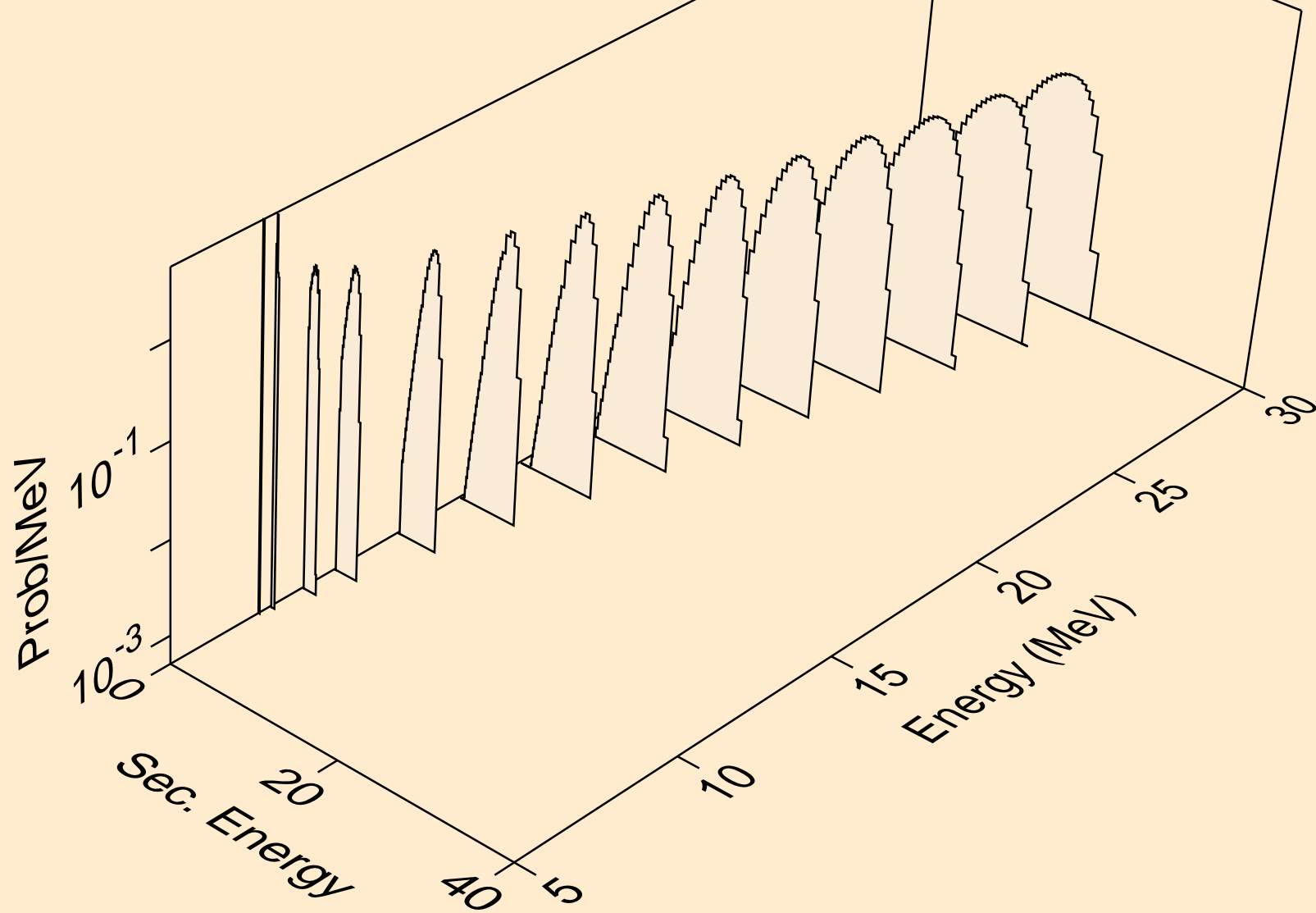
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,pt)



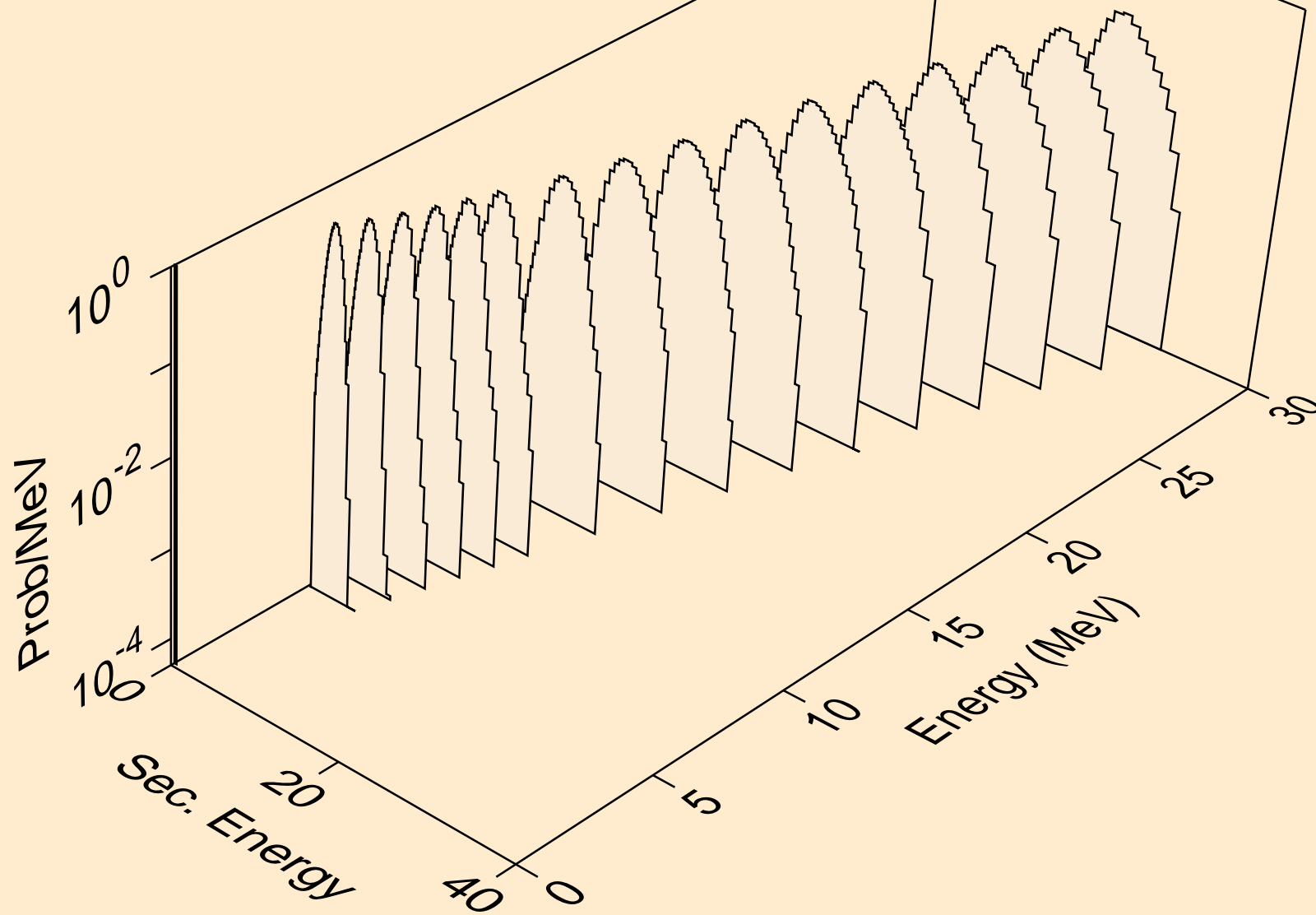
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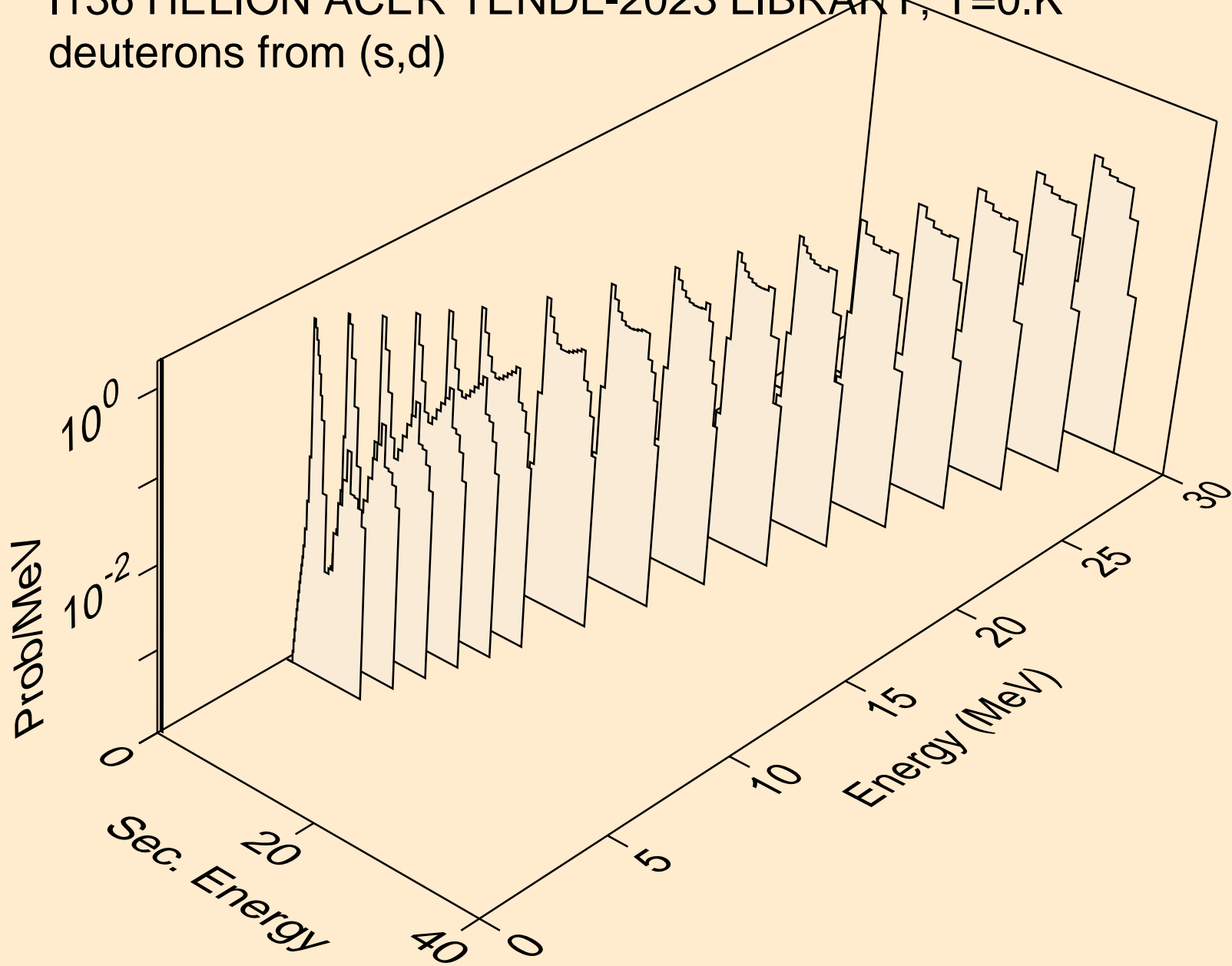
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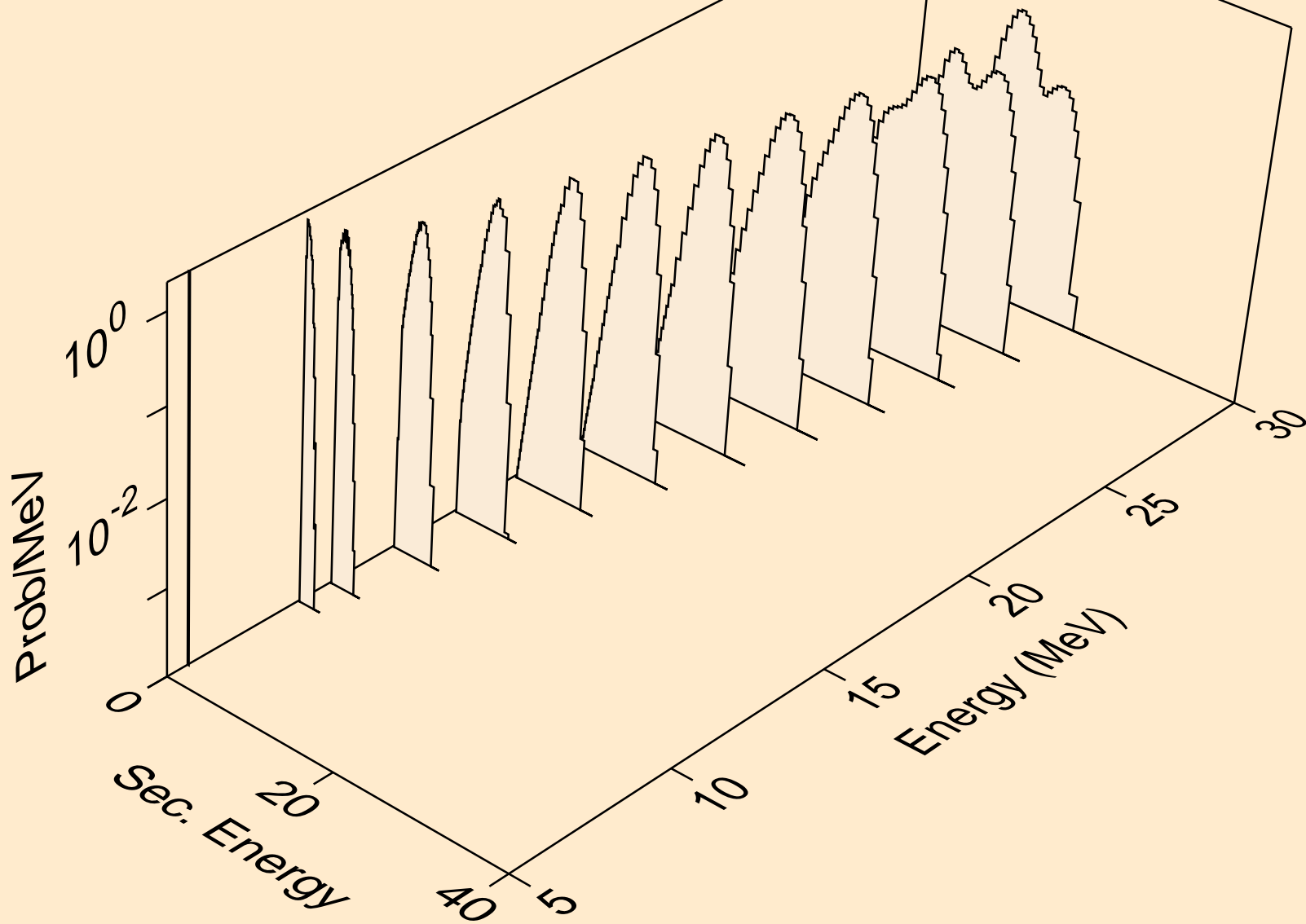
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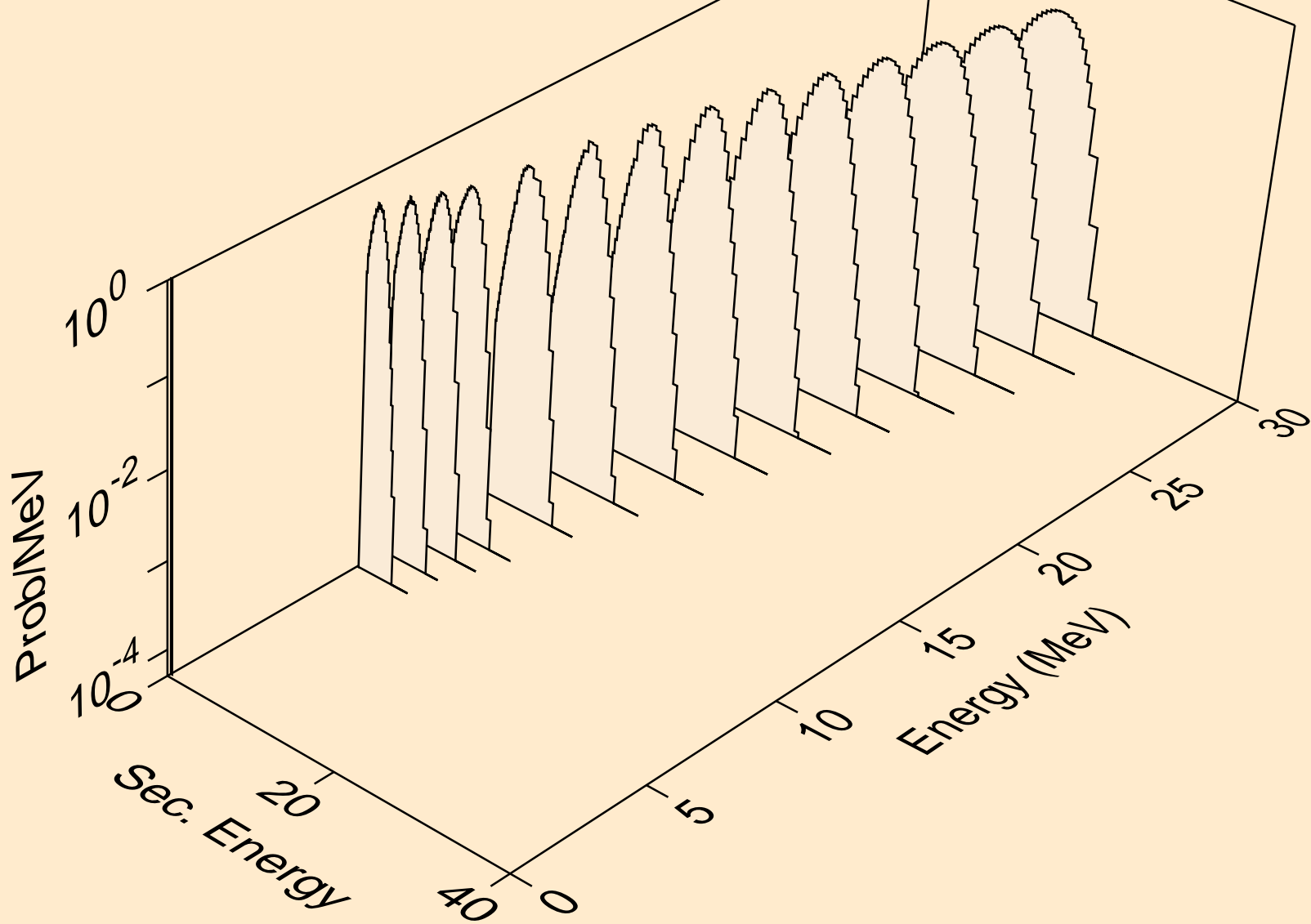
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deuterons from (s,d)



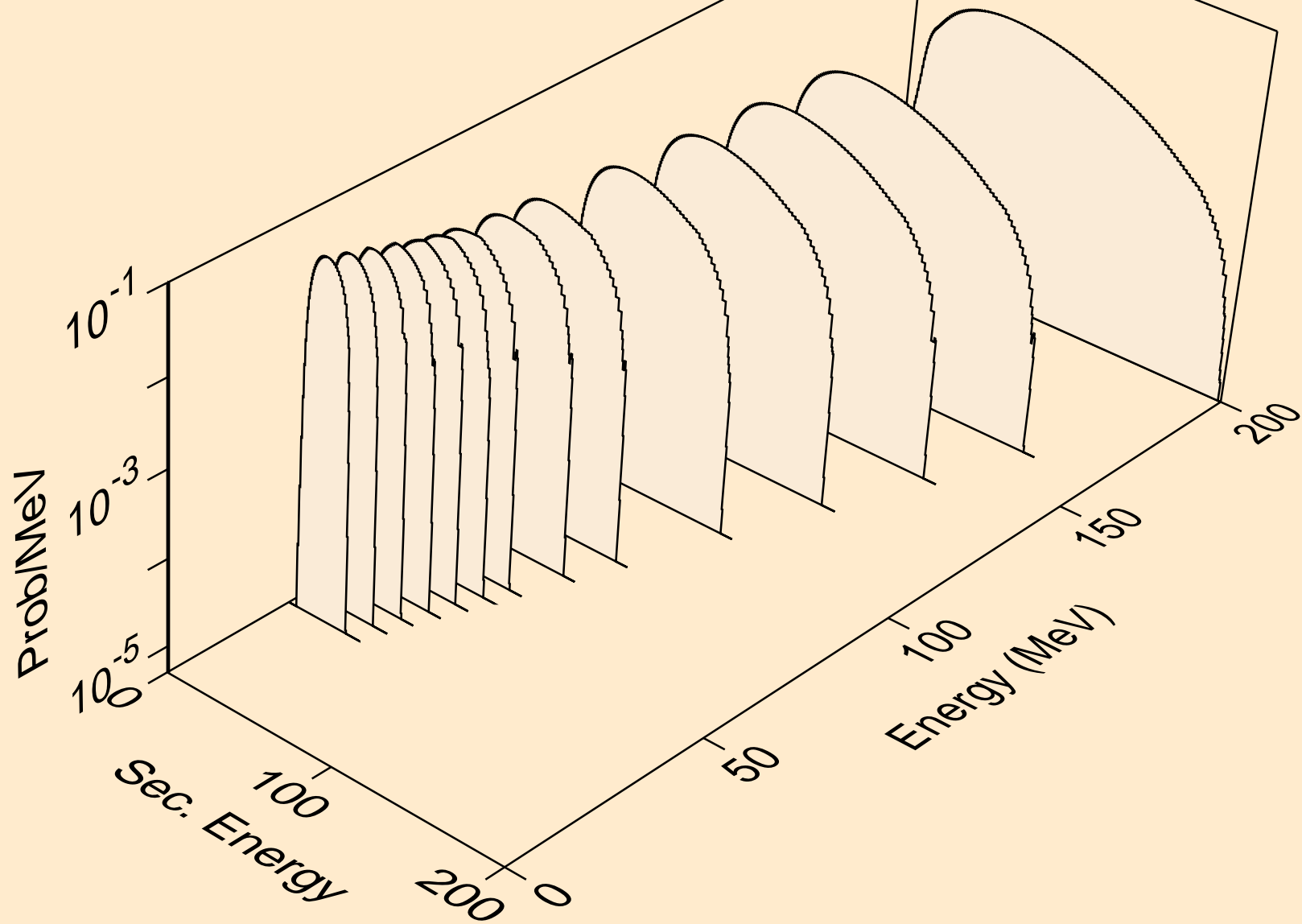
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,pd)



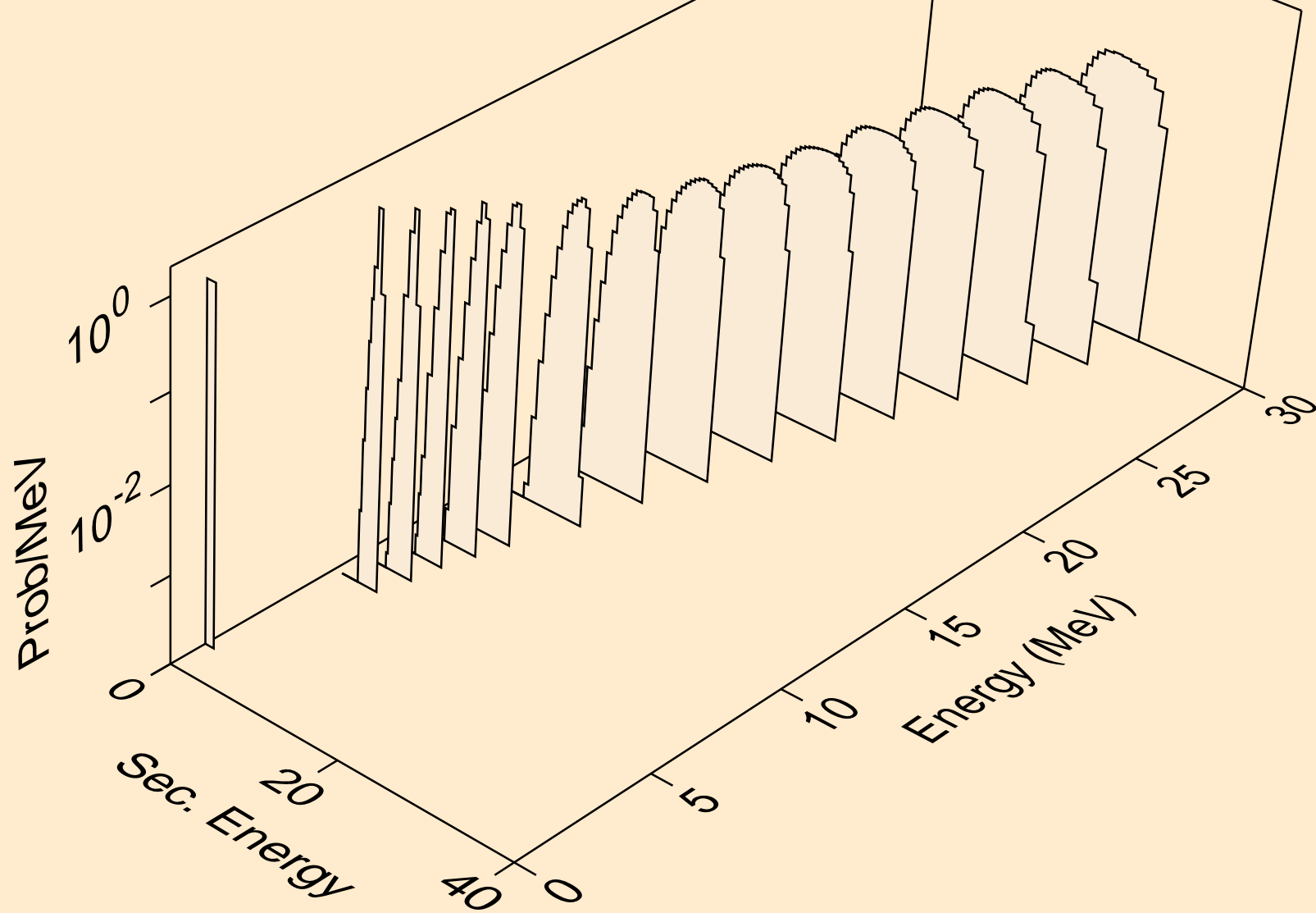
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deuterons from (s,da)



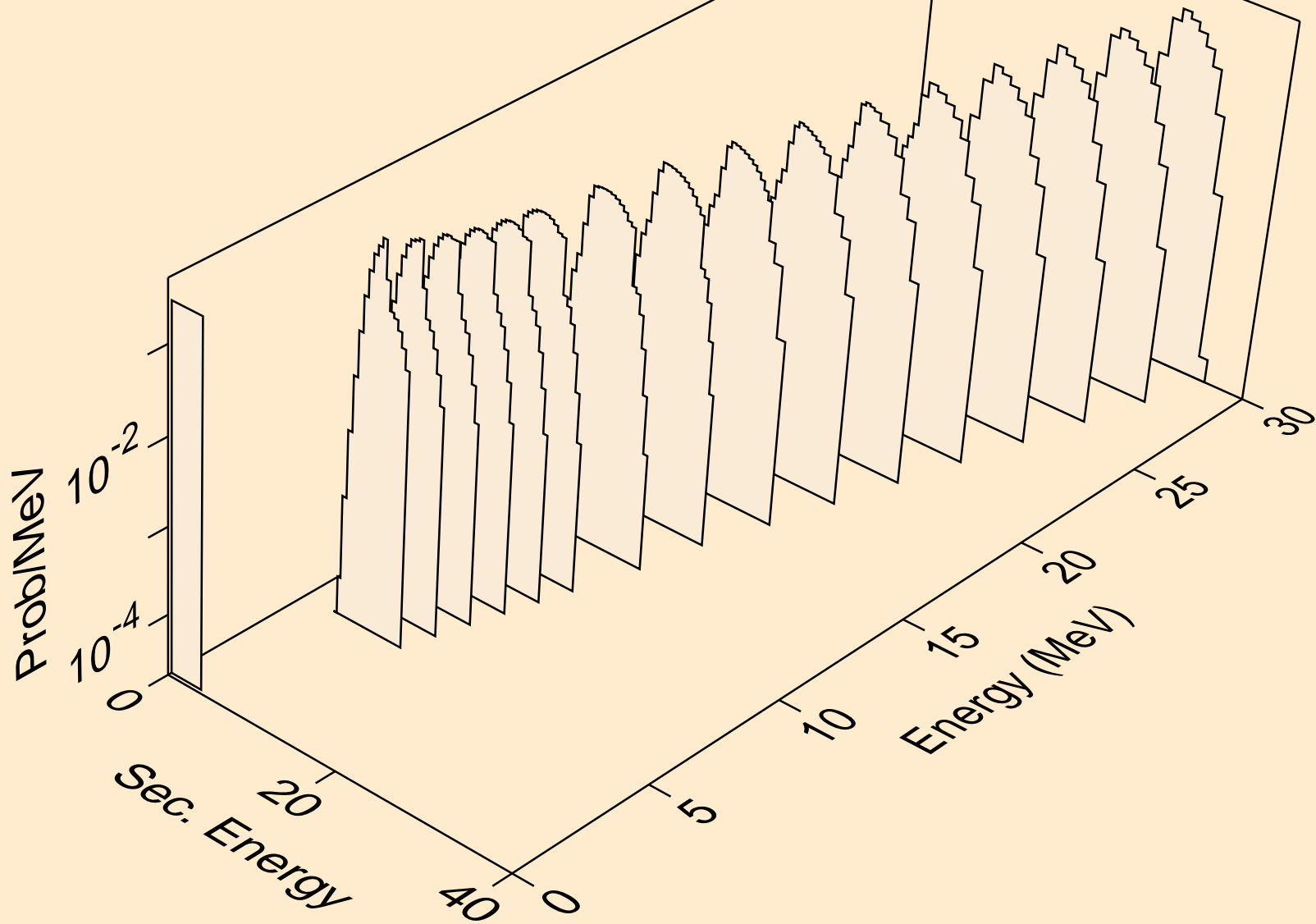
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,x)



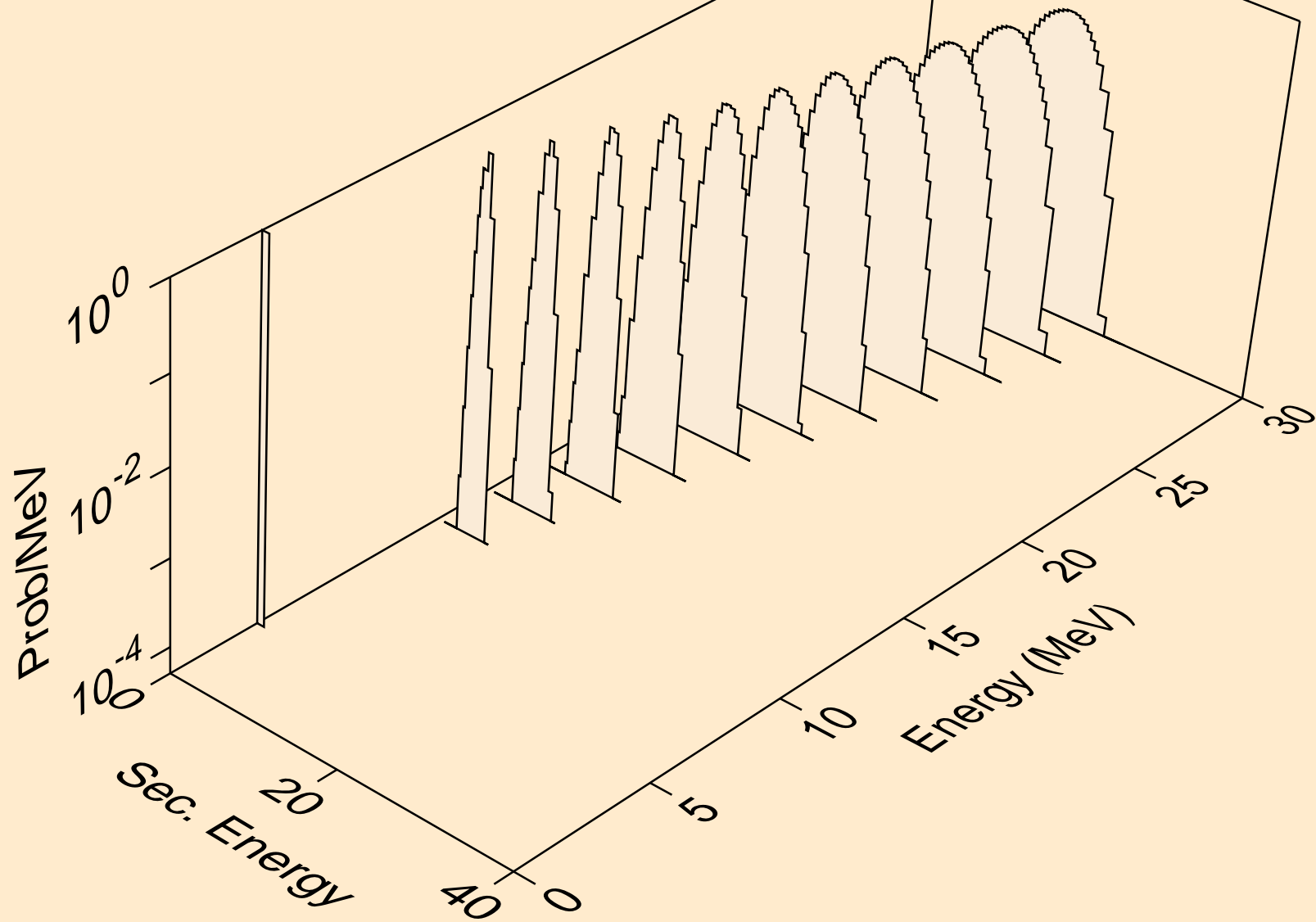
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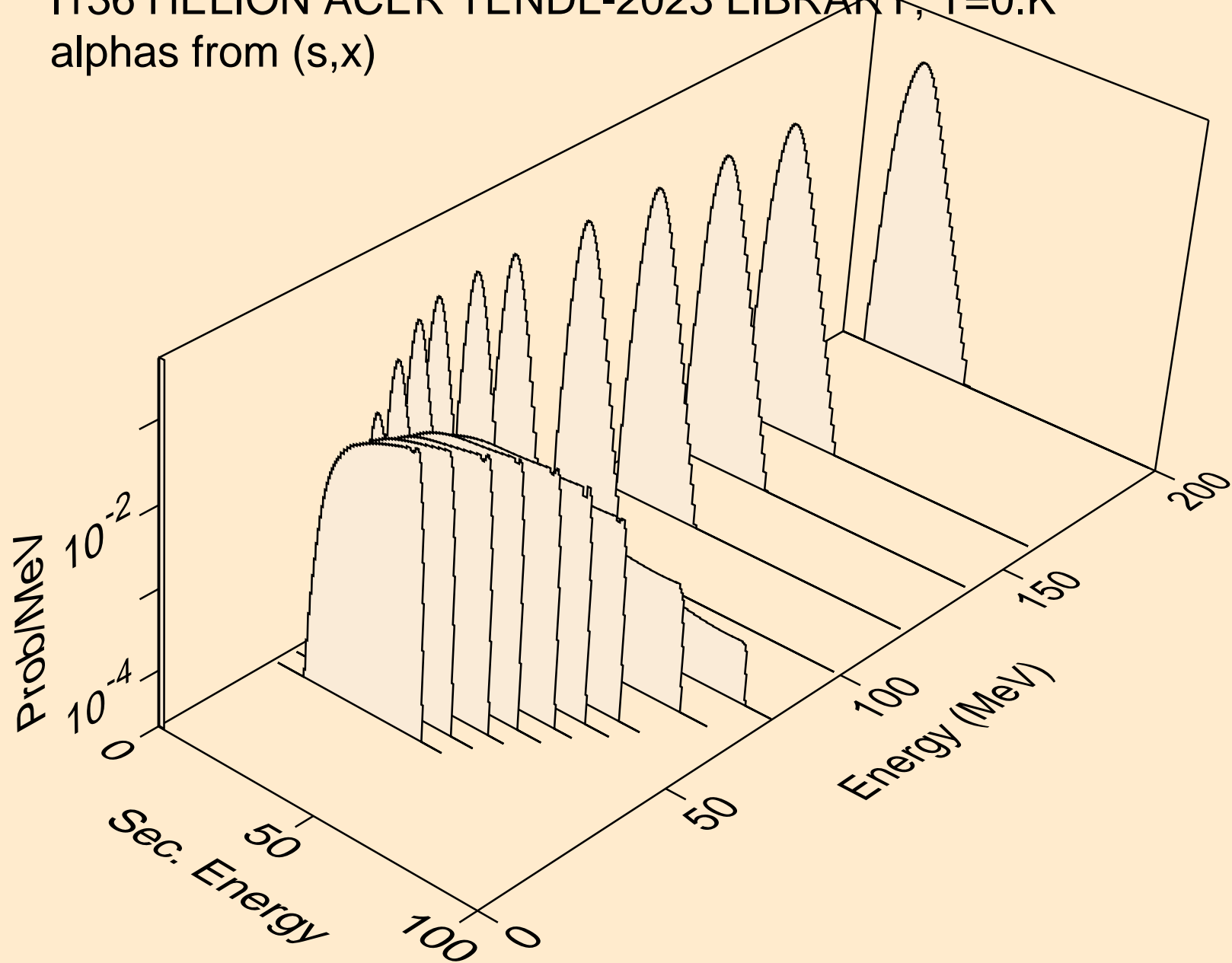
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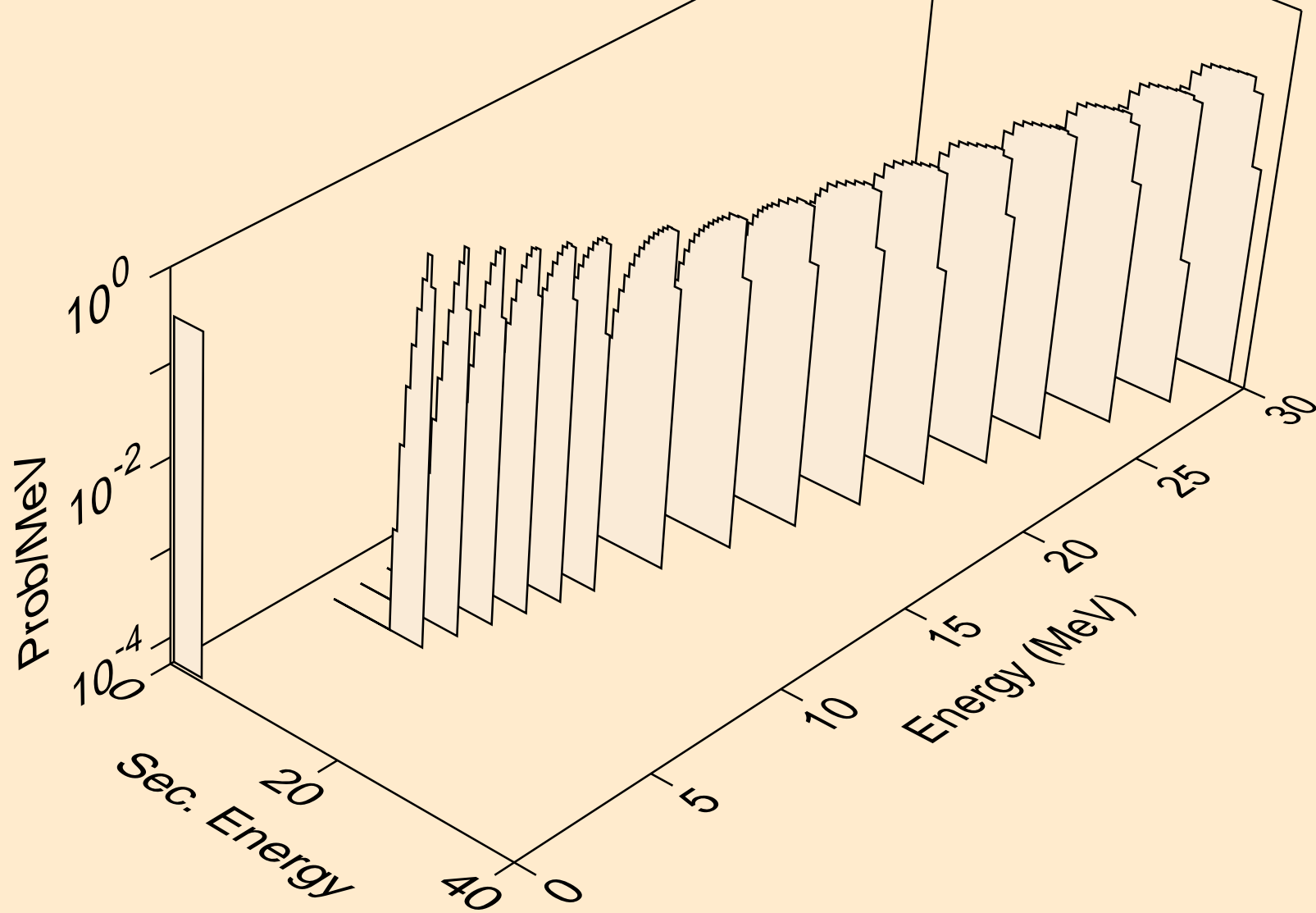
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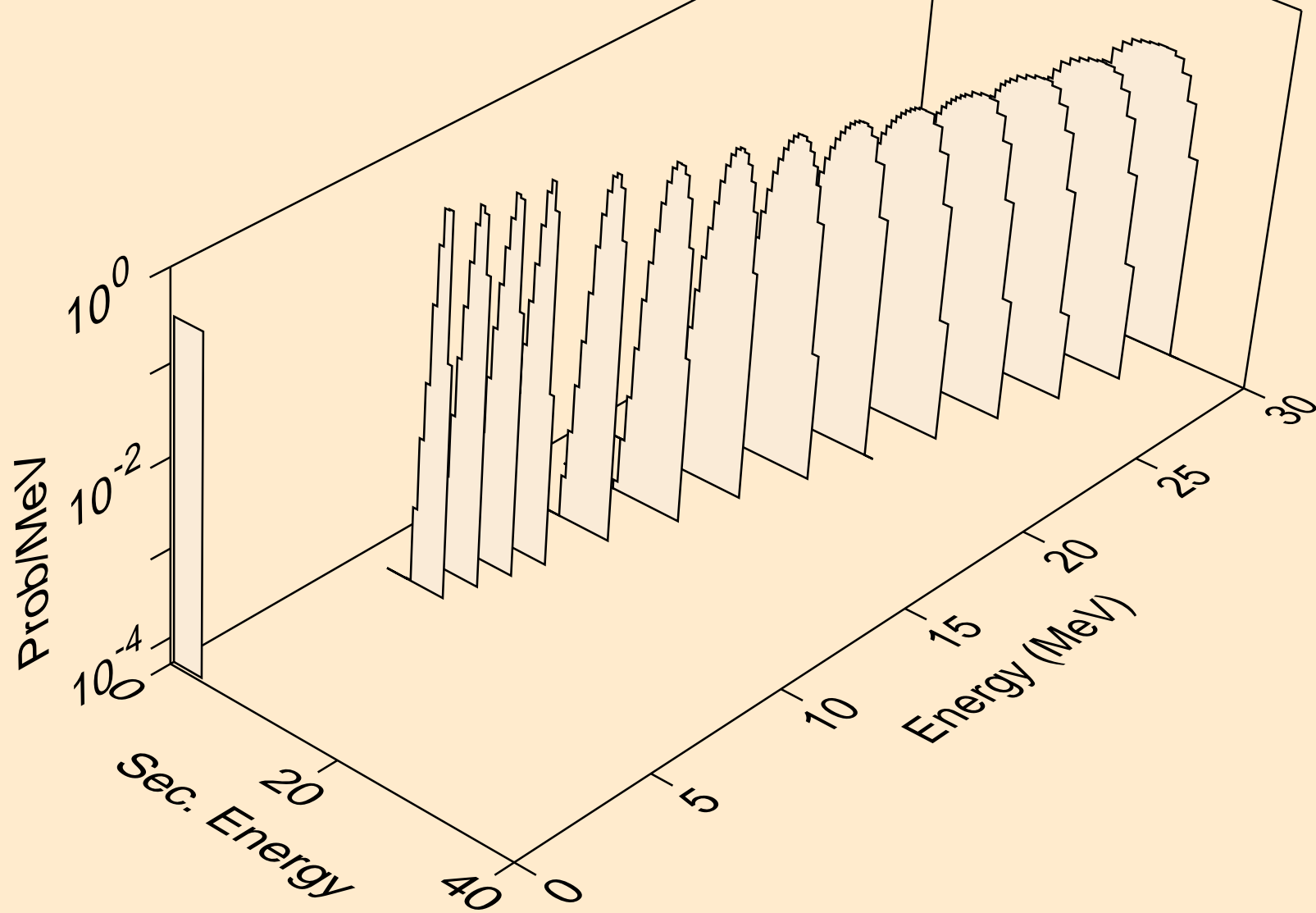
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,x)



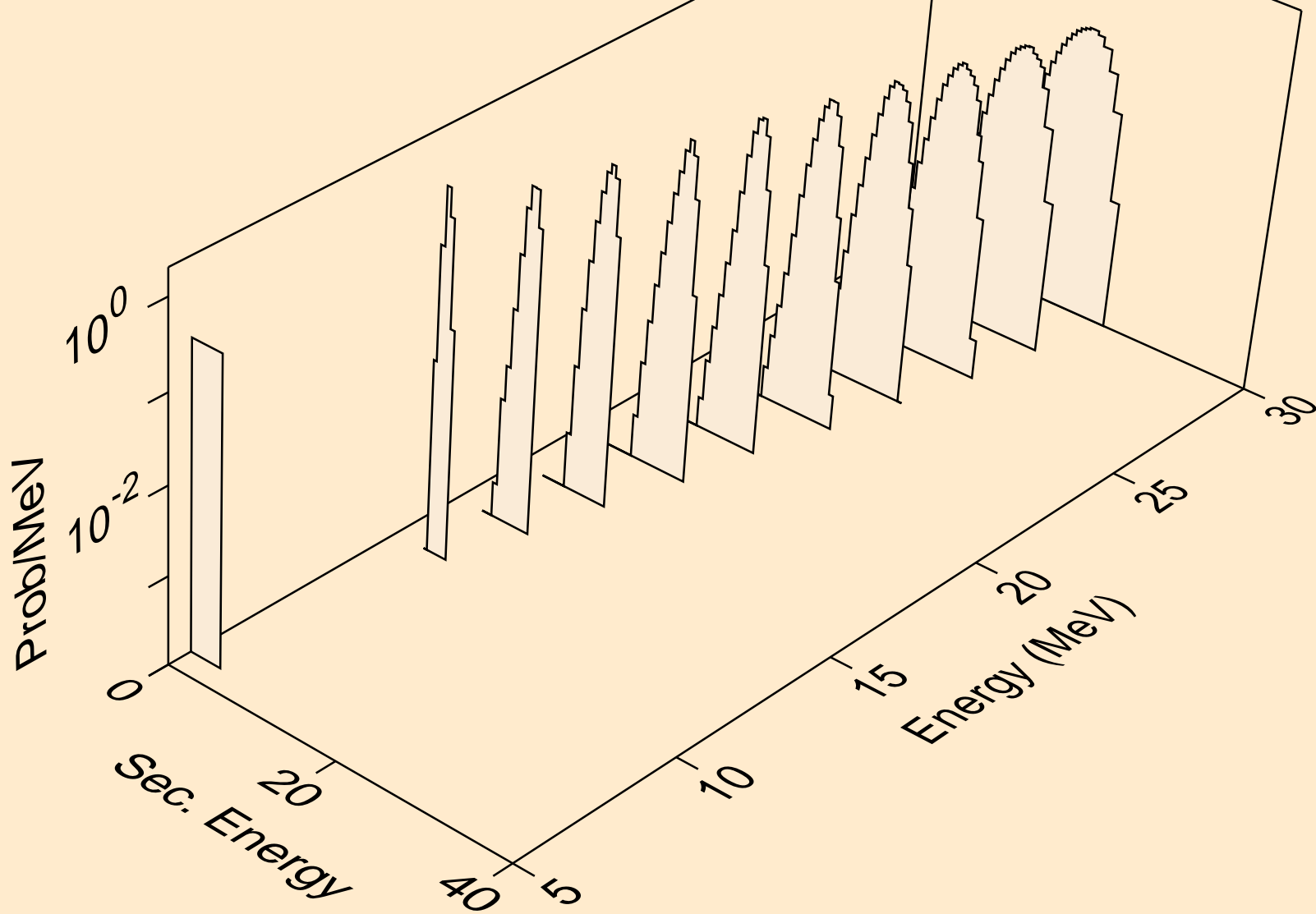
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,n\*)a



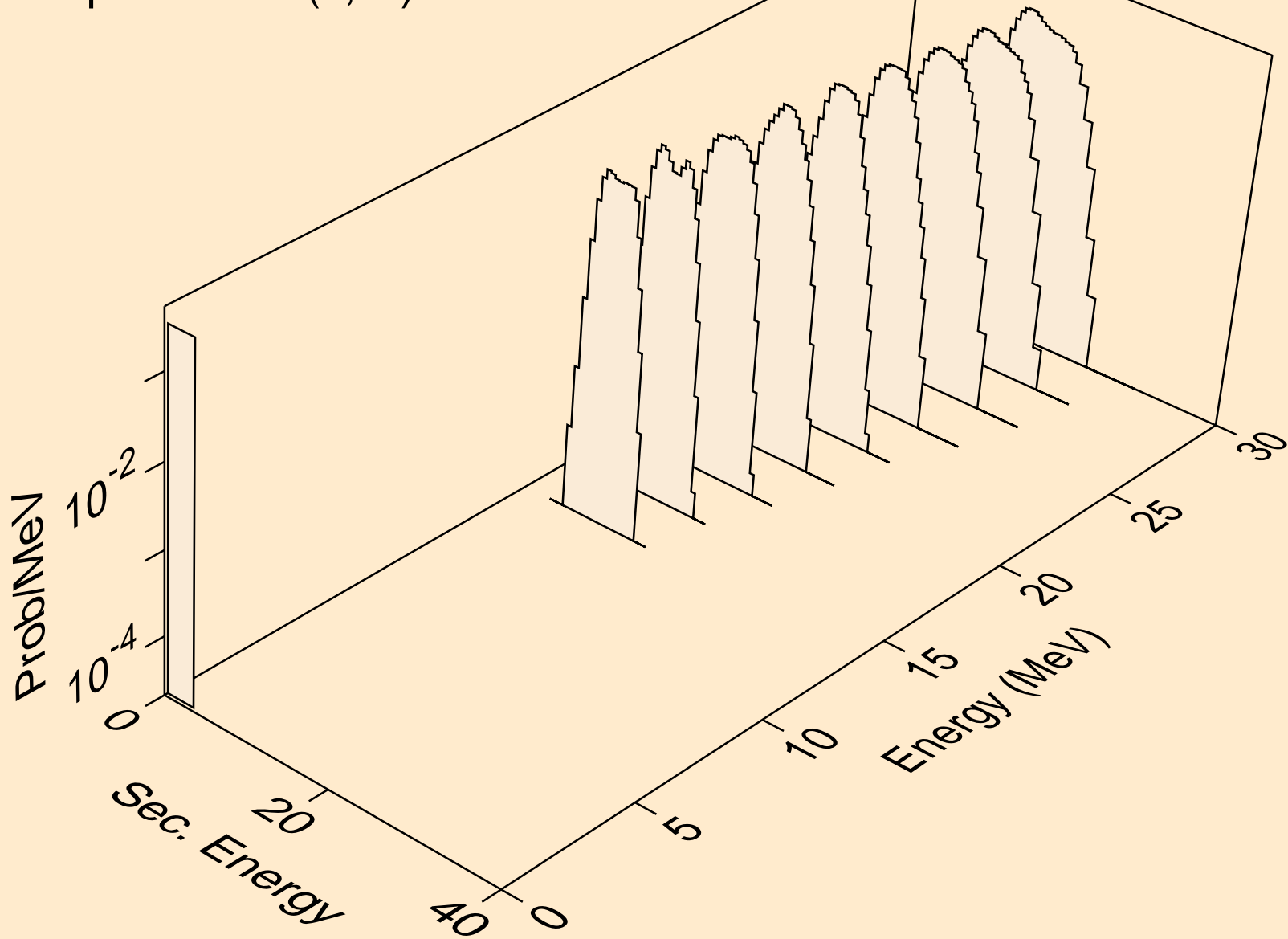
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2n)a



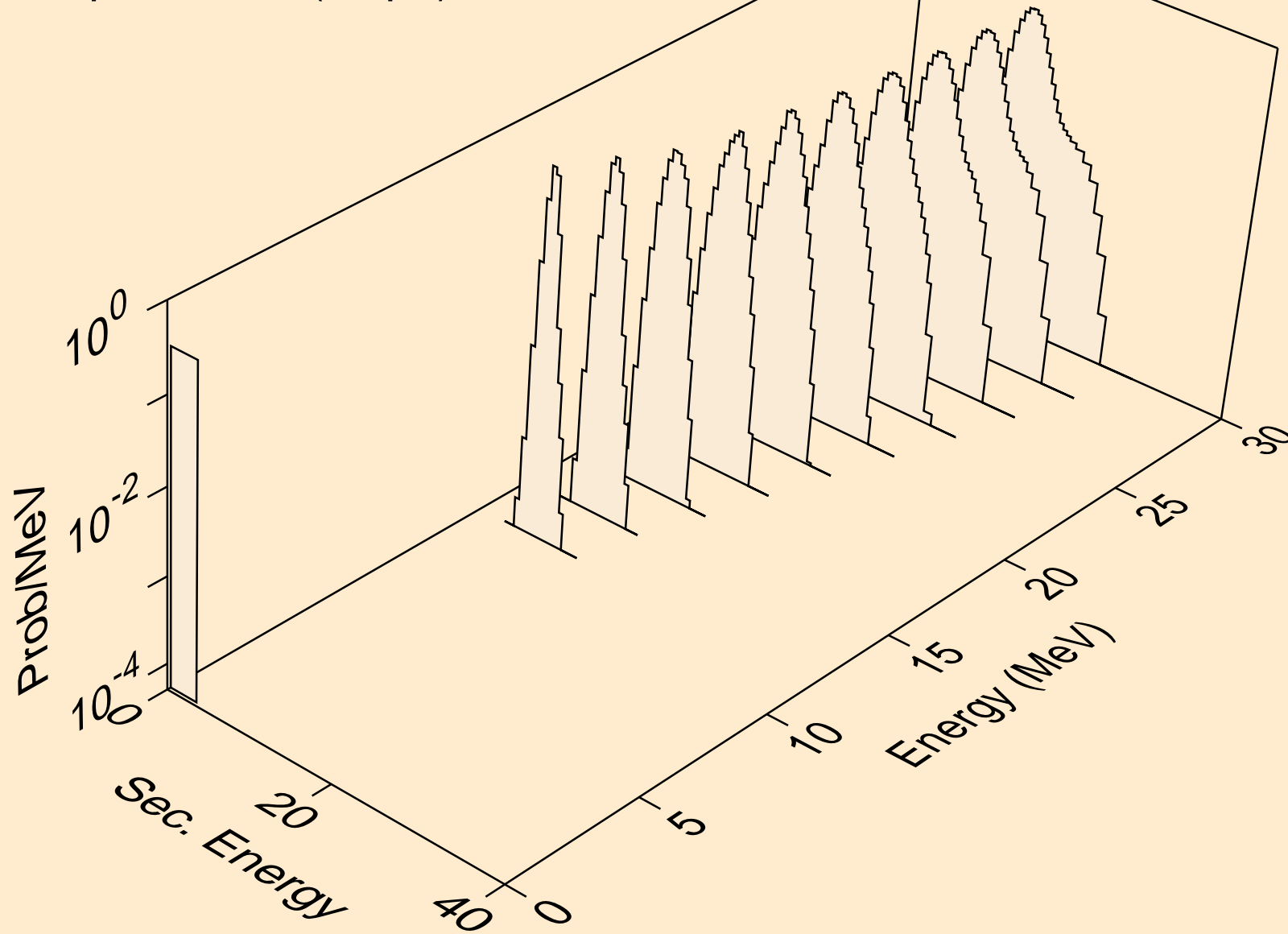
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alphas from (s,3n)a



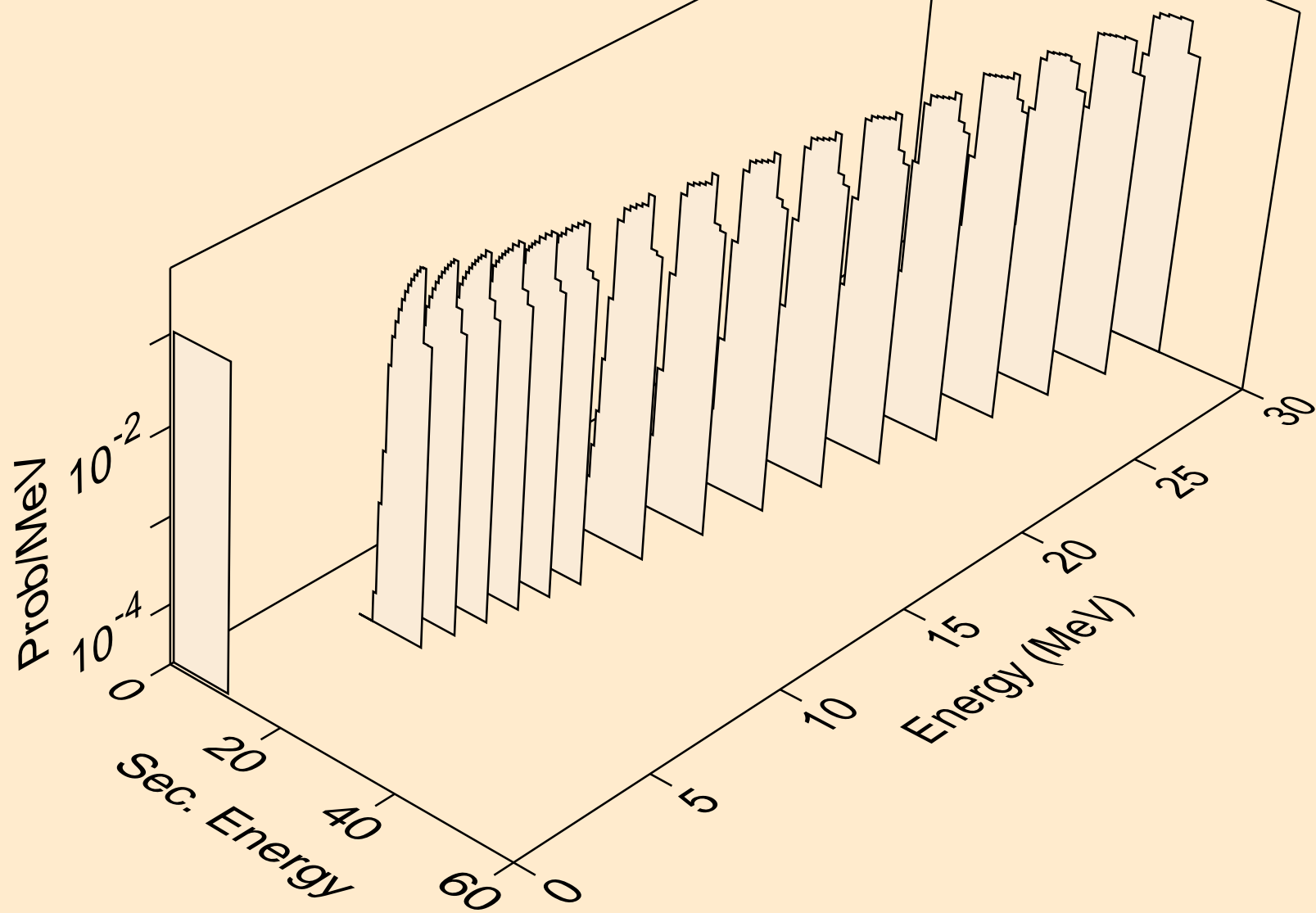
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alphas from (s,n\*)2a



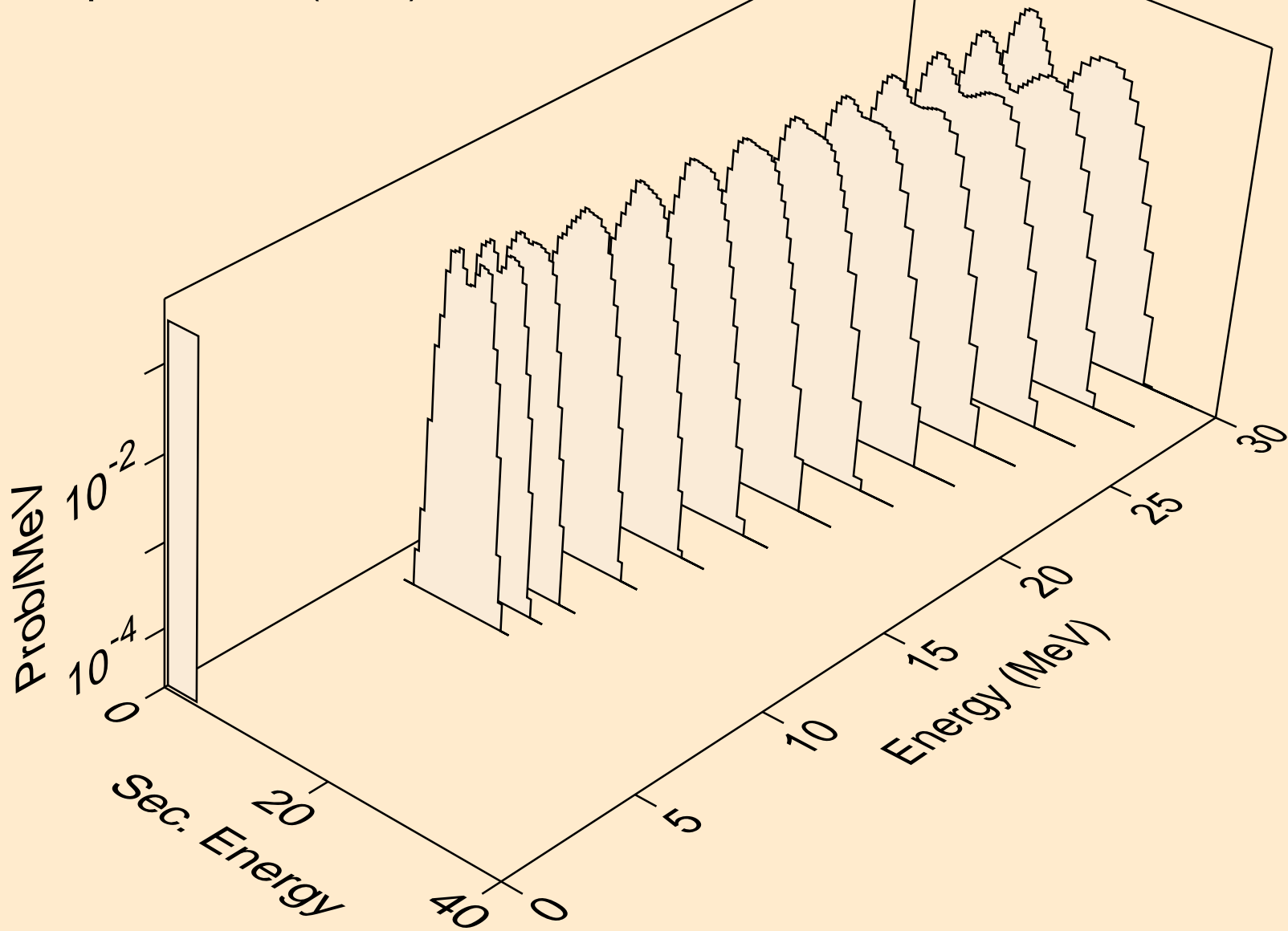
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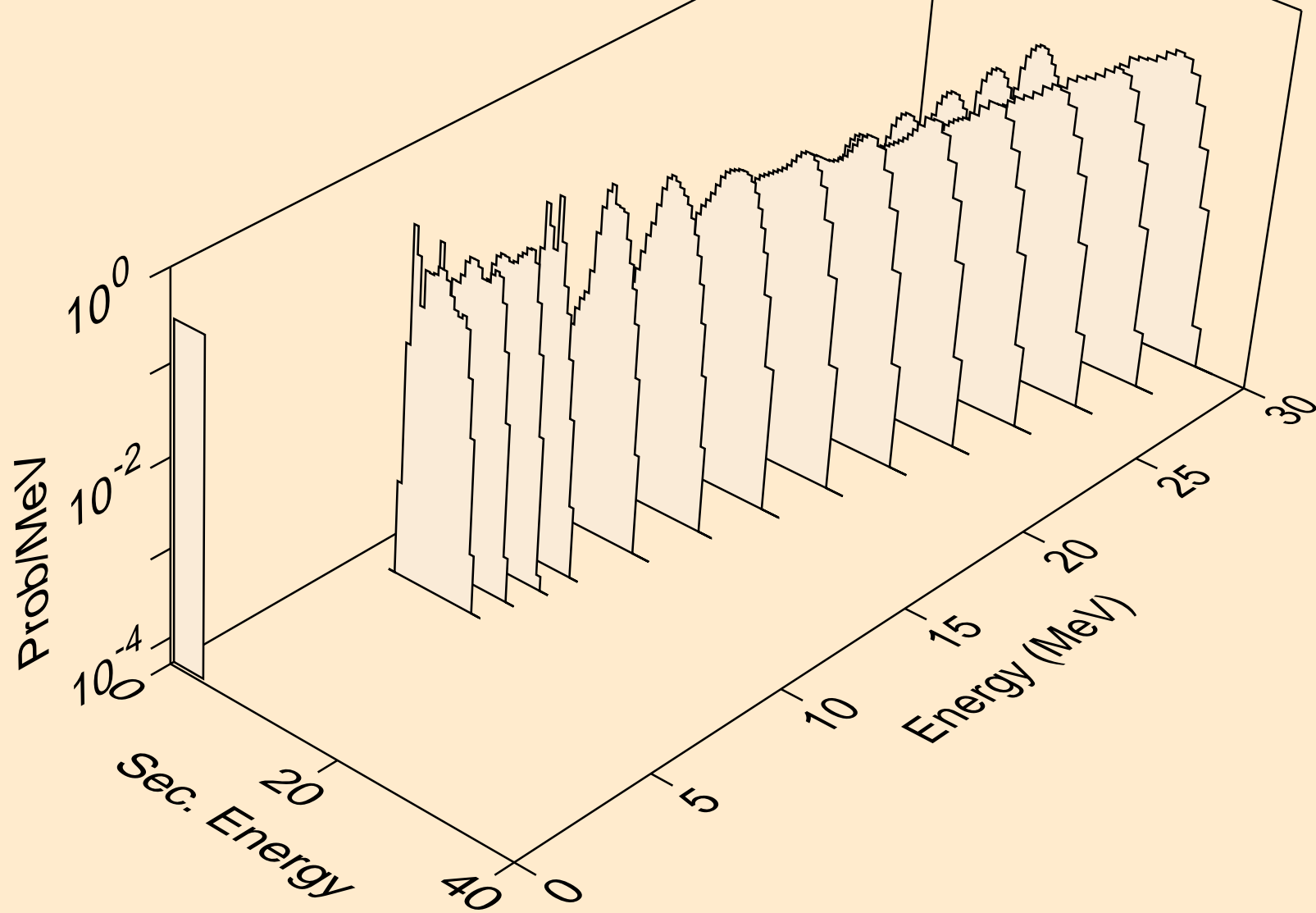
I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,a)



I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)



I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



I136 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

