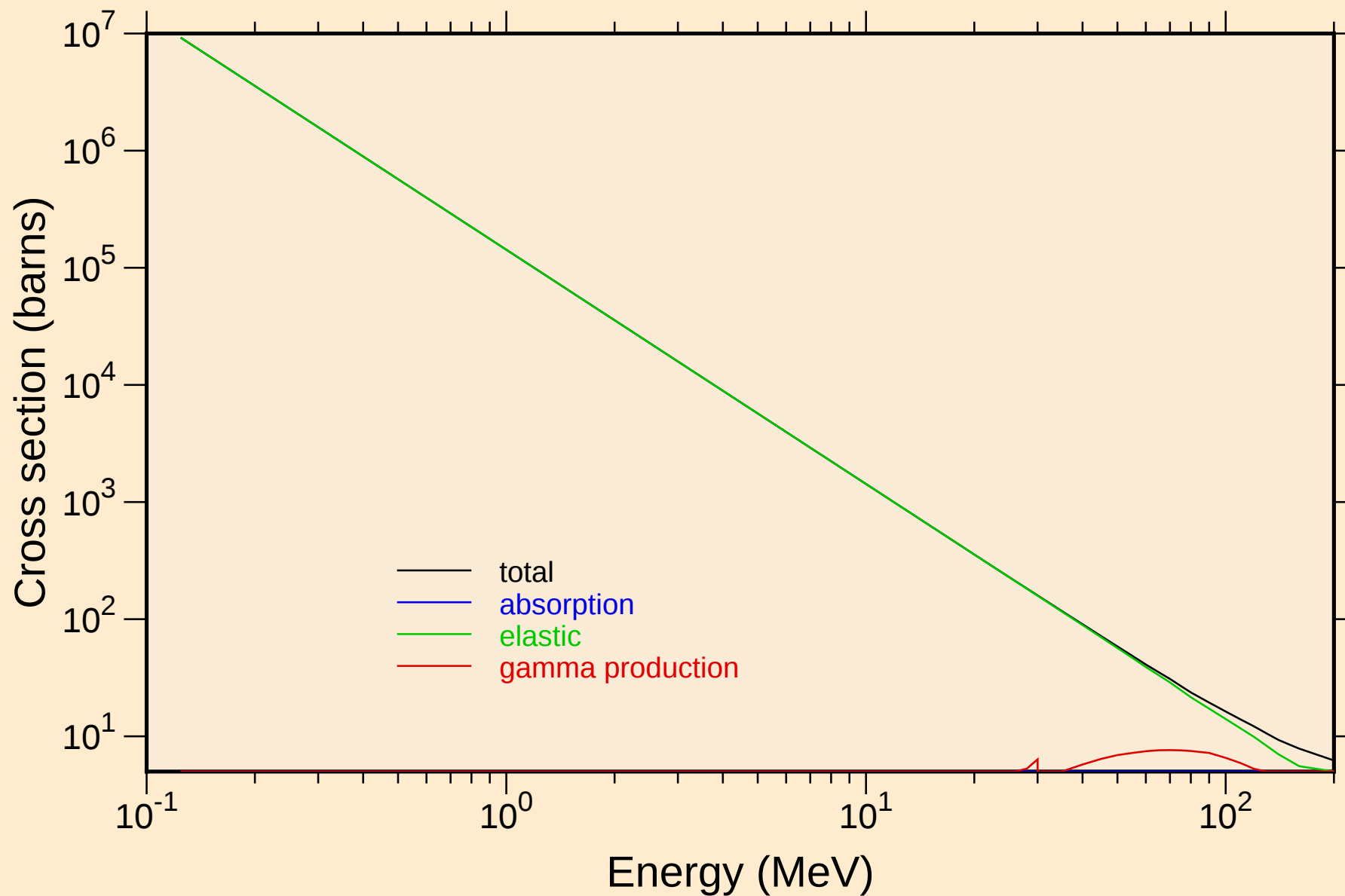


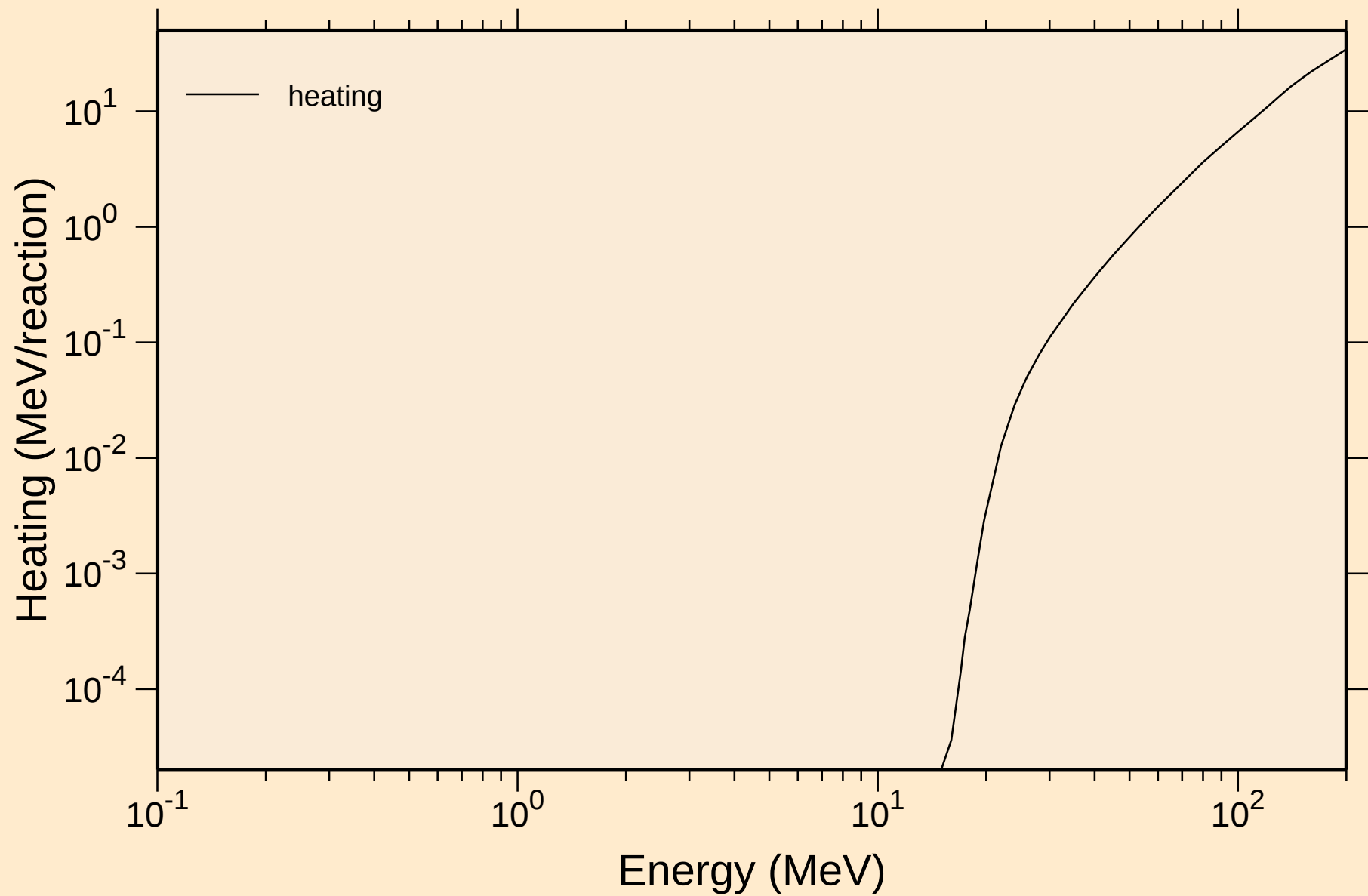
# RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



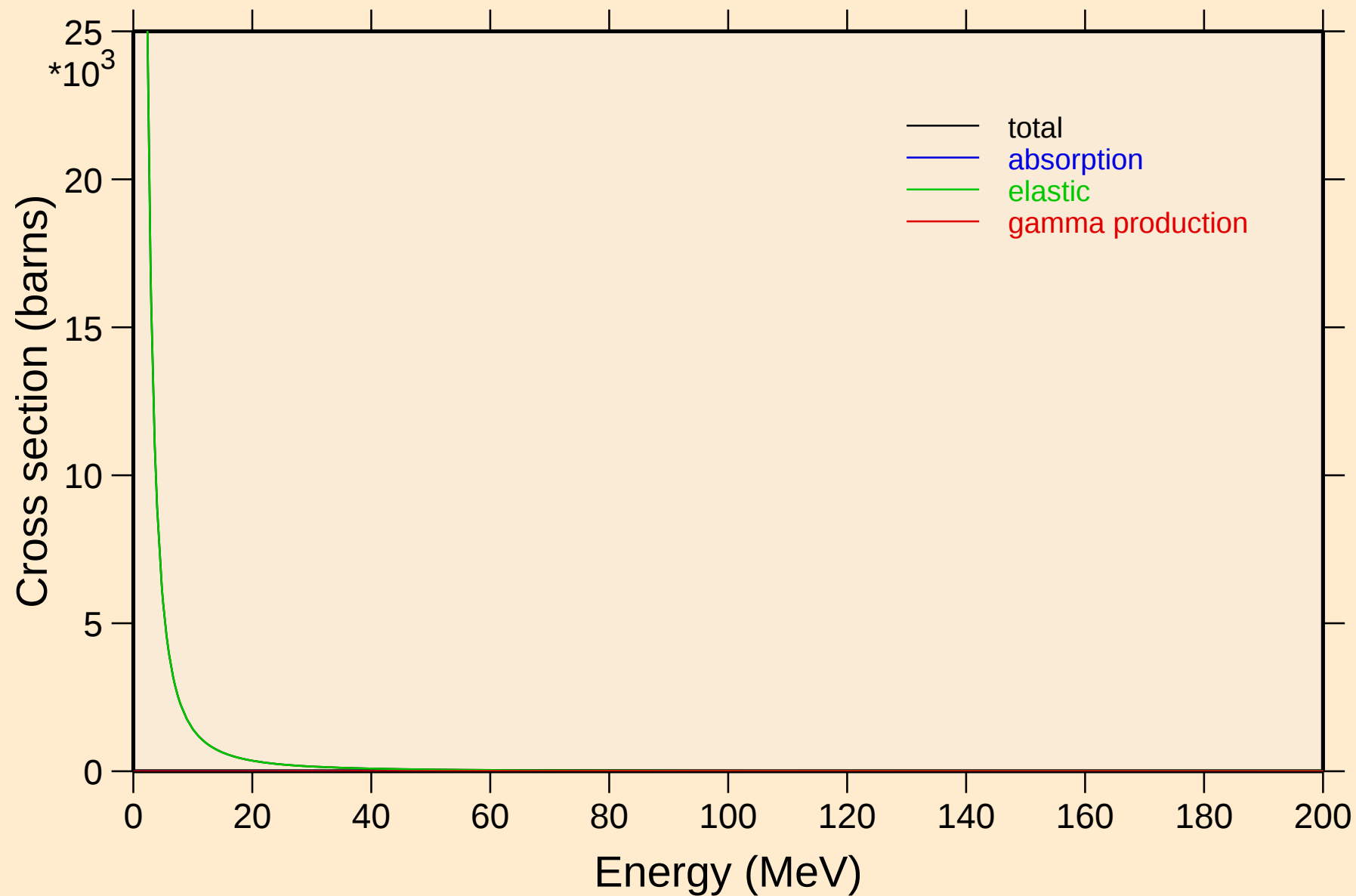
RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K

Heating



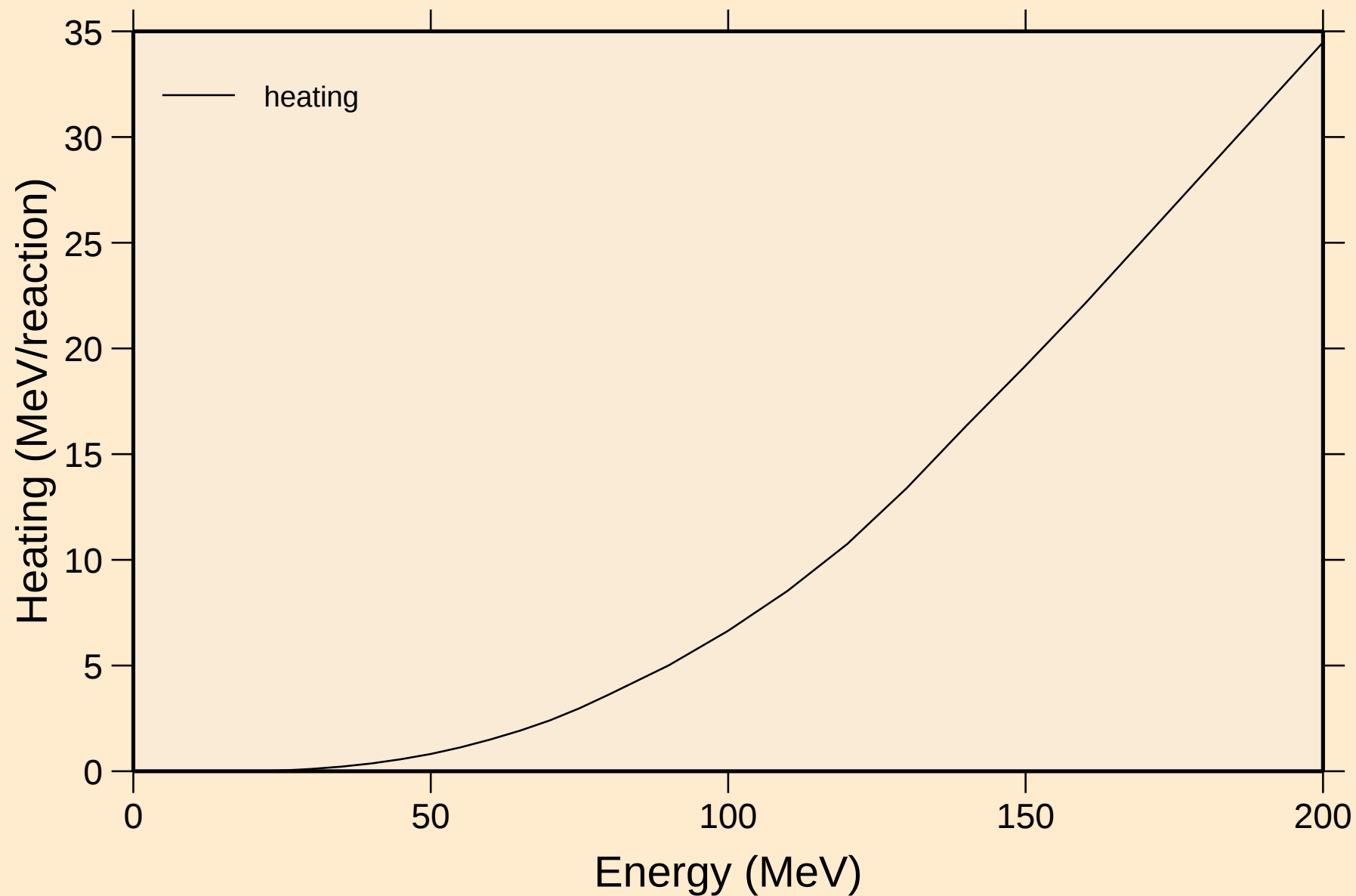
# RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



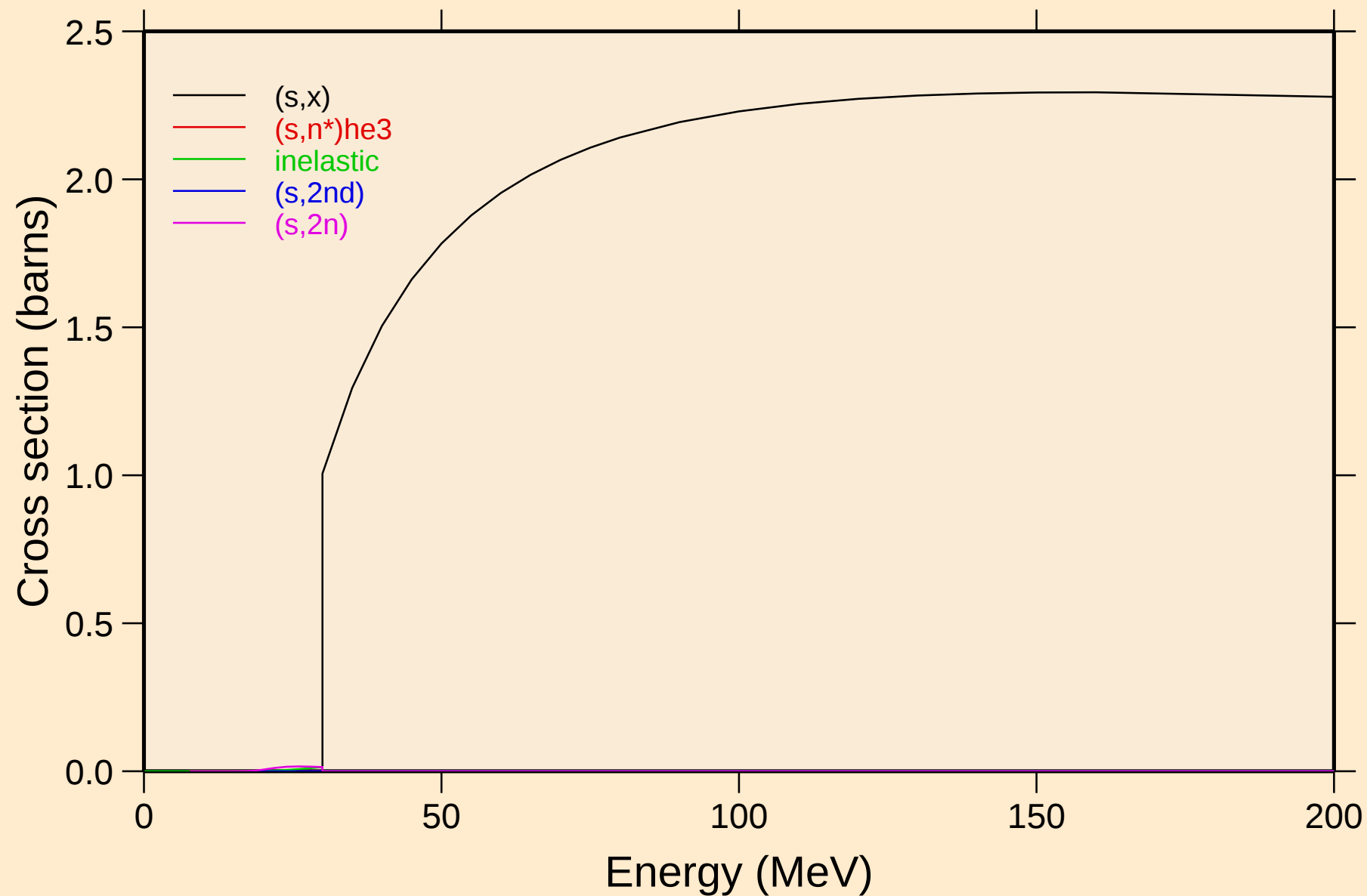
RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K

Heating



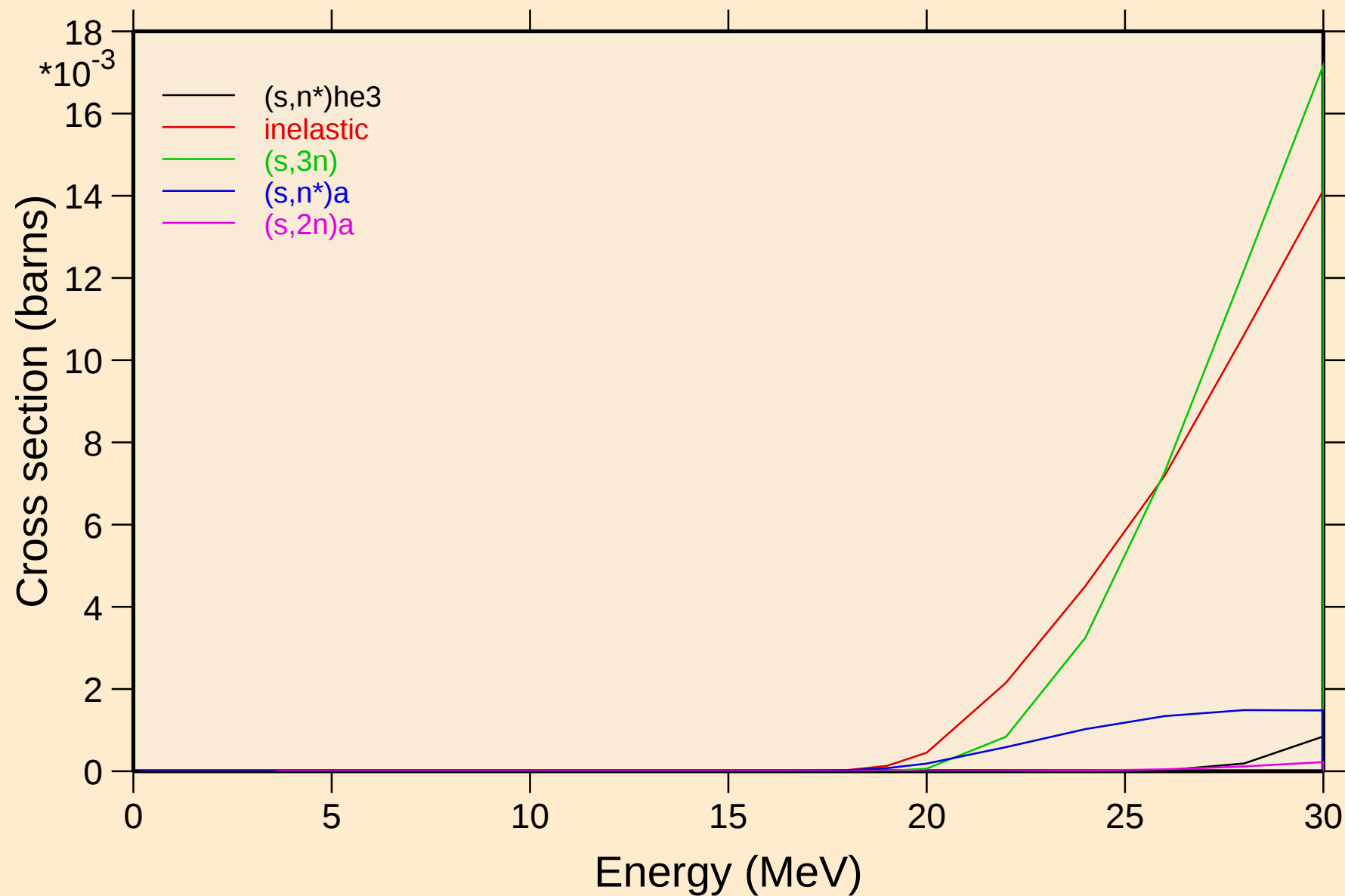
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## Threshold reactions



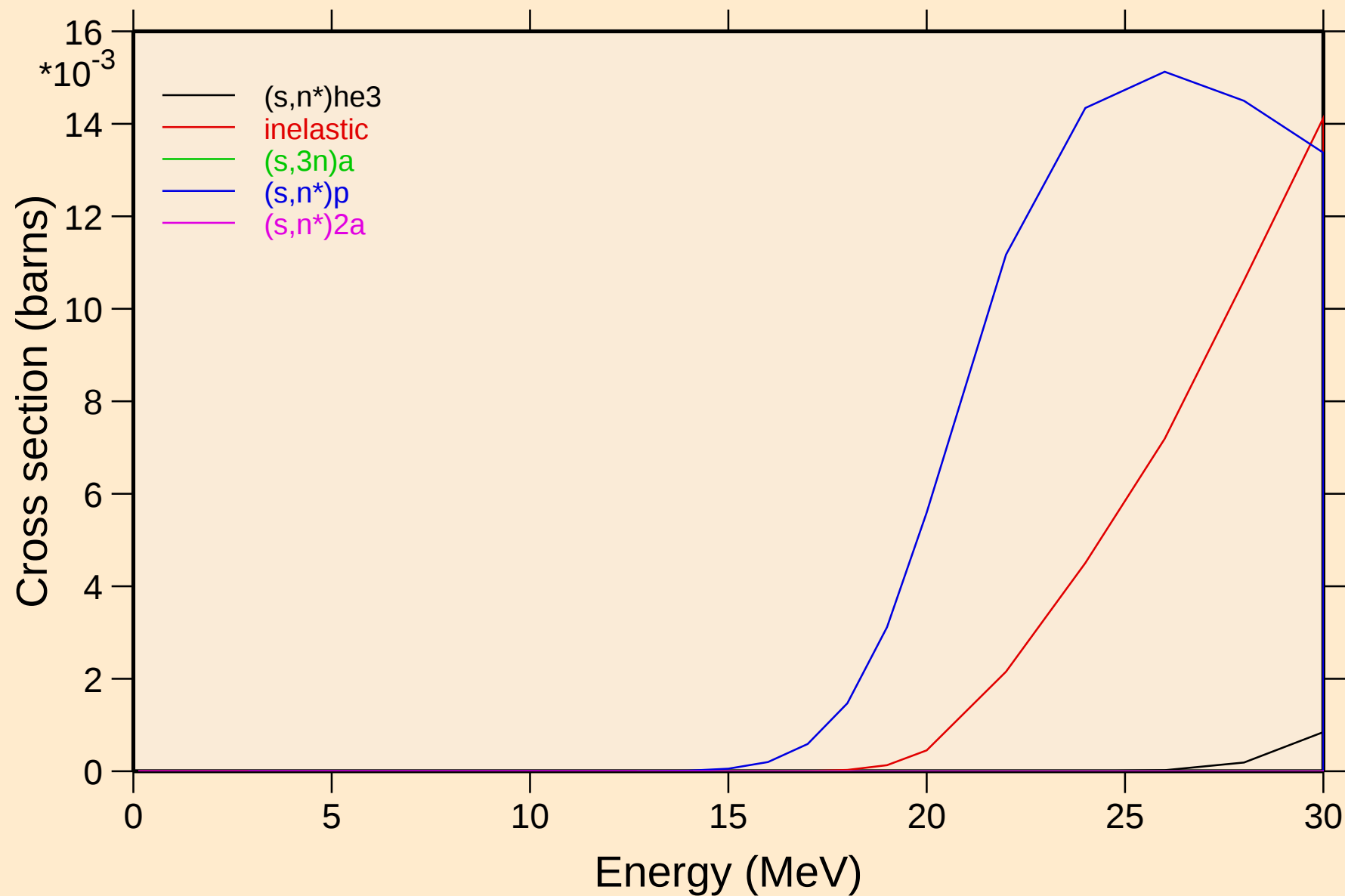
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## Threshold reactions



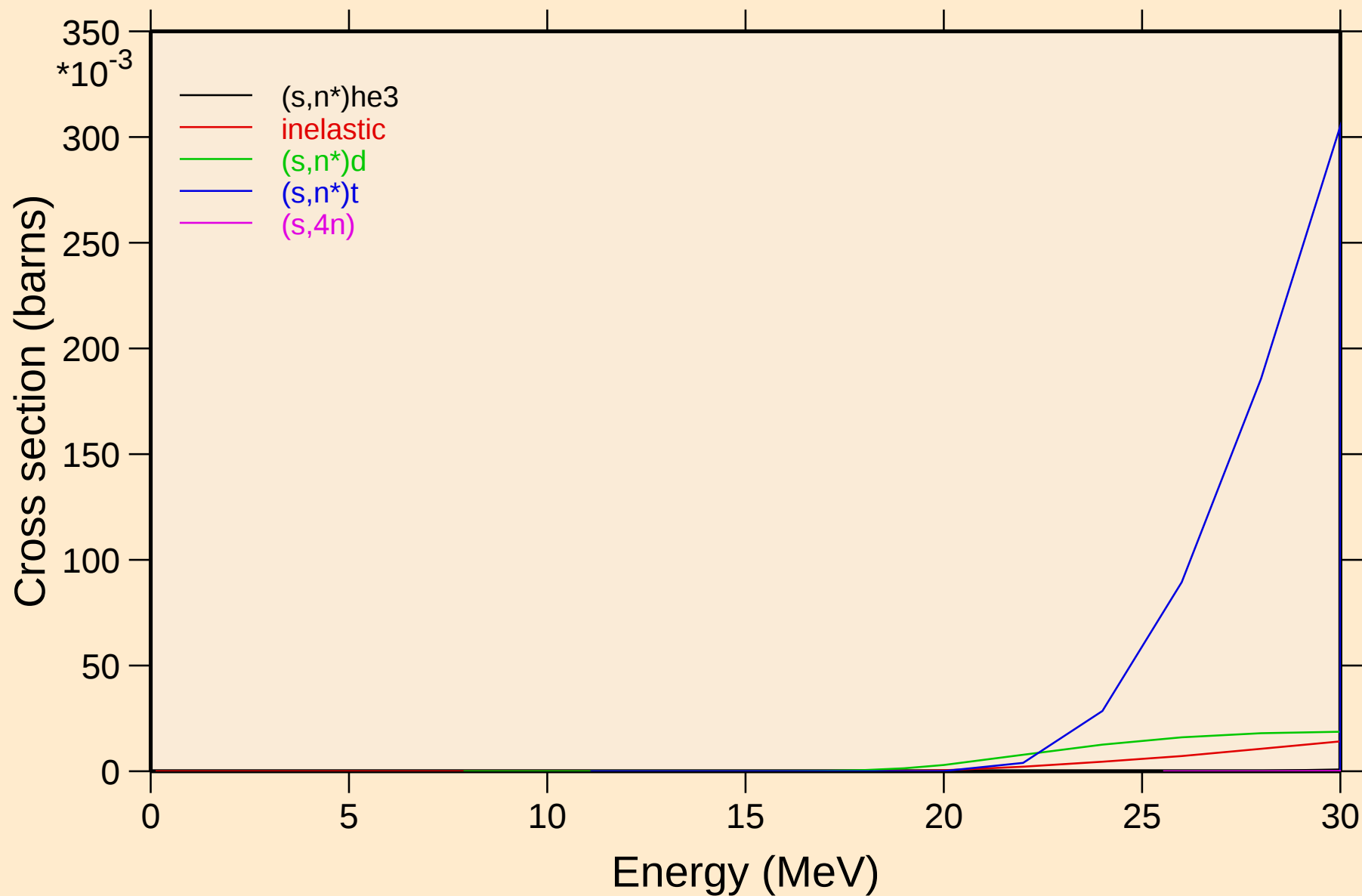
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## Threshold reactions



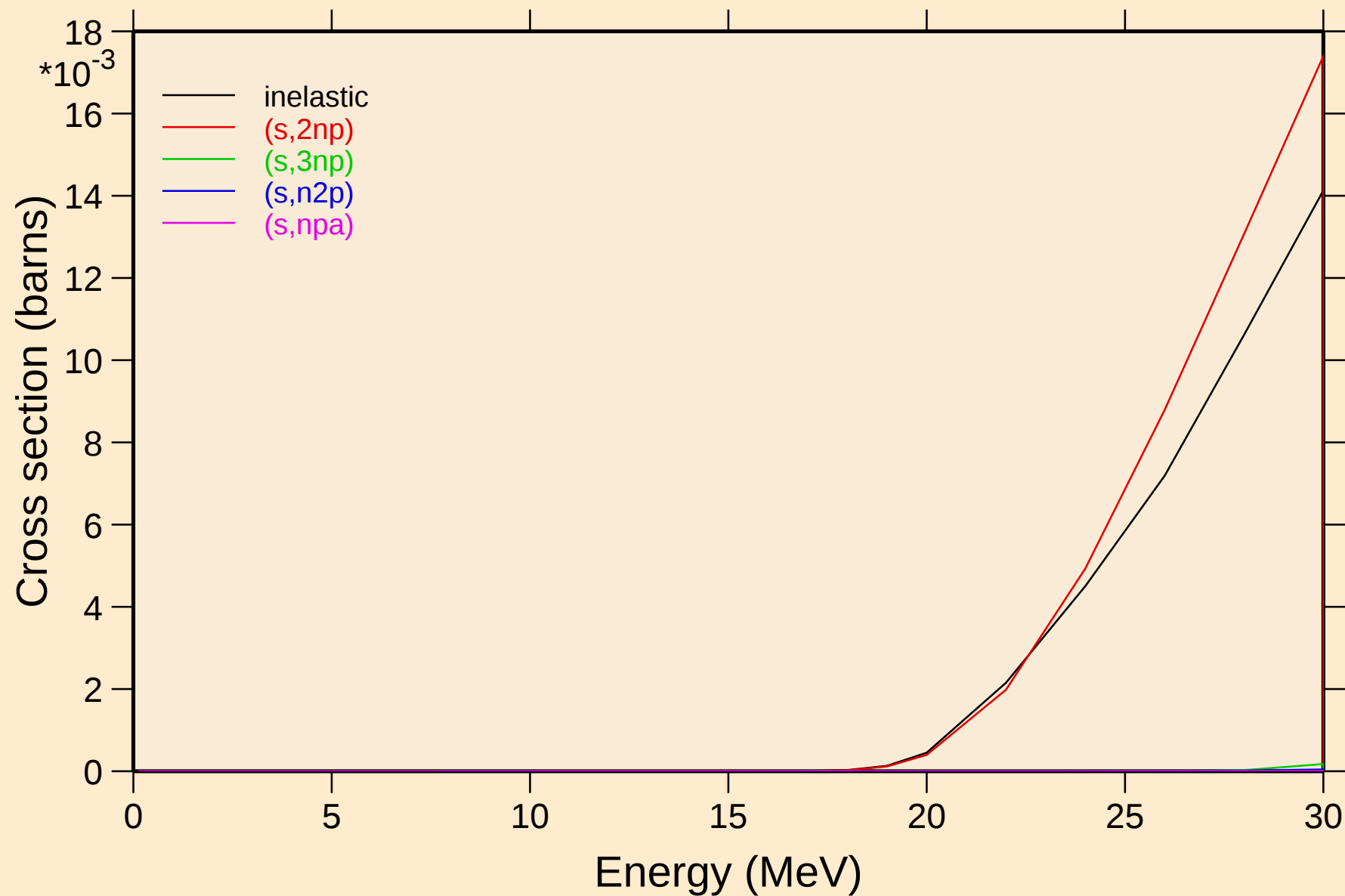
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## Threshold reactions



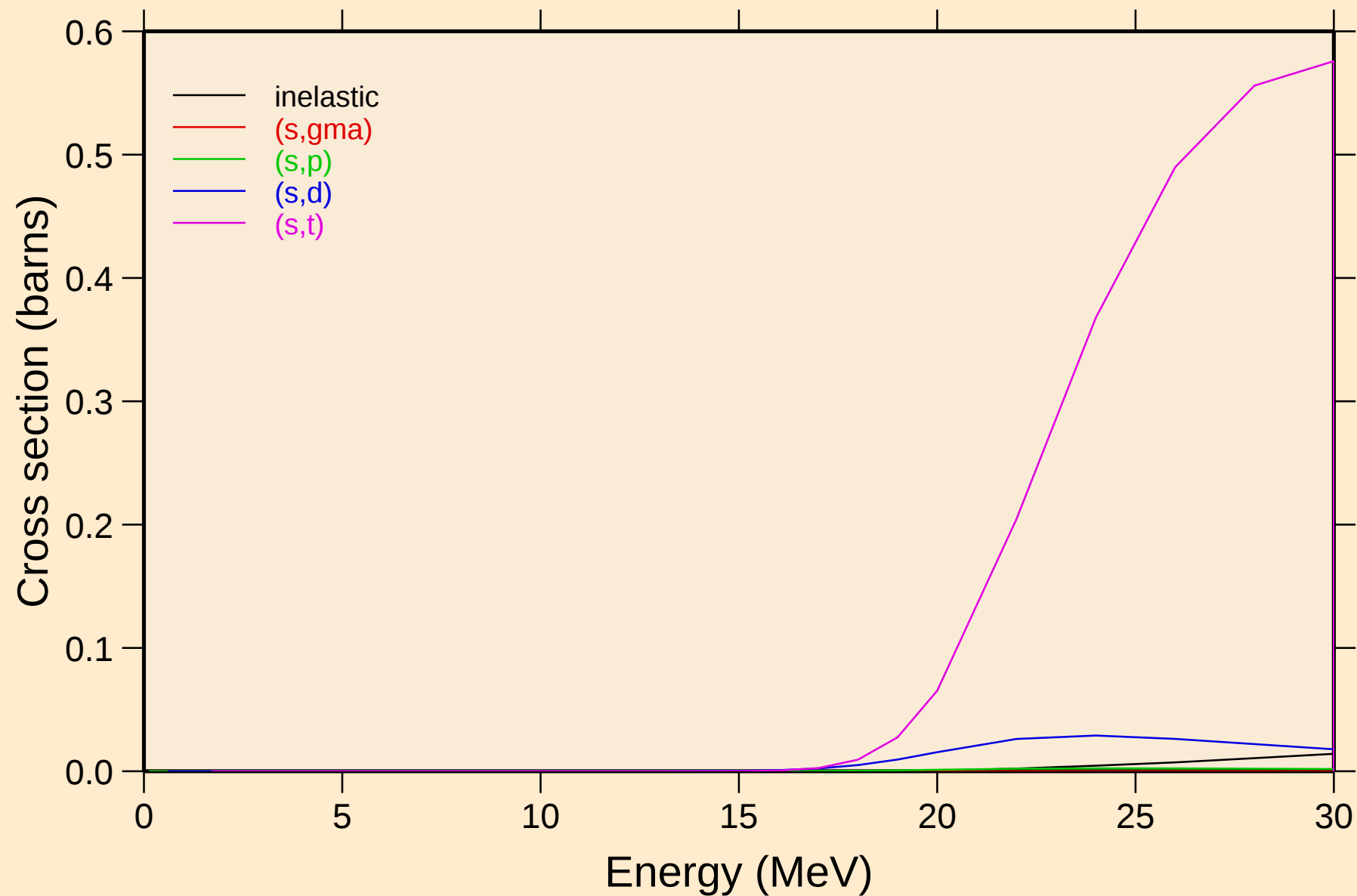
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## Threshold reactions



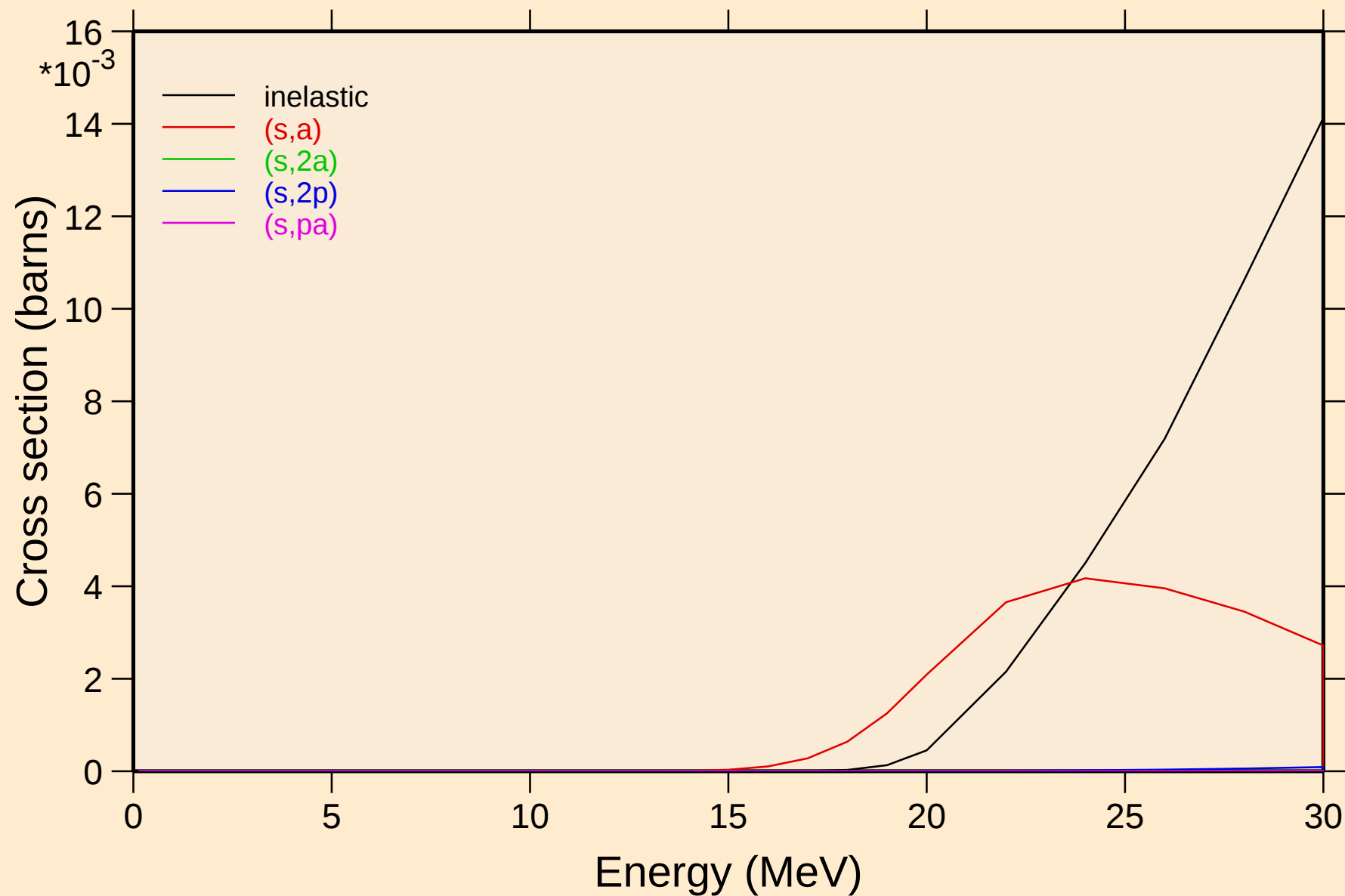
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## Threshold reactions



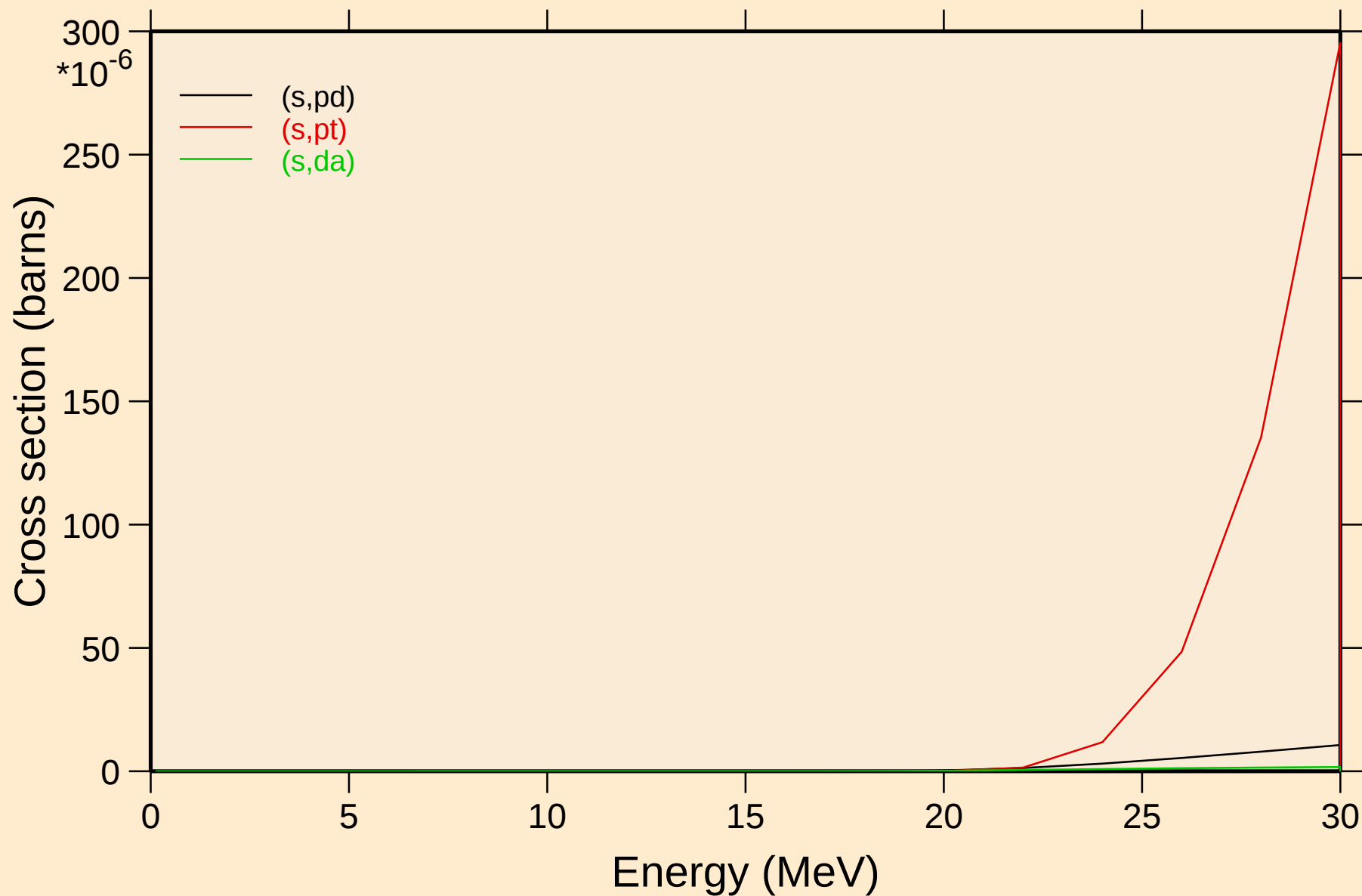
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## Threshold reactions

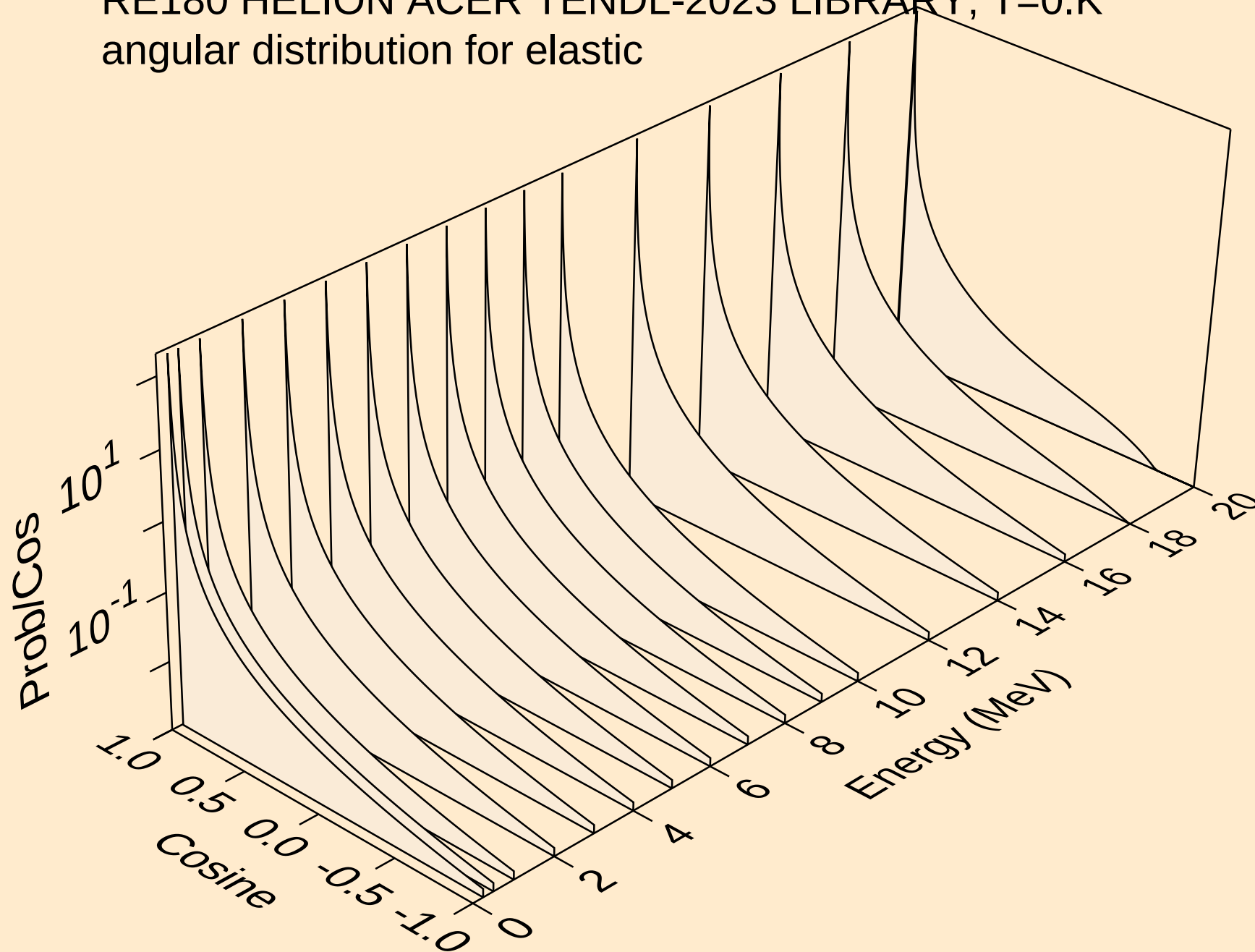


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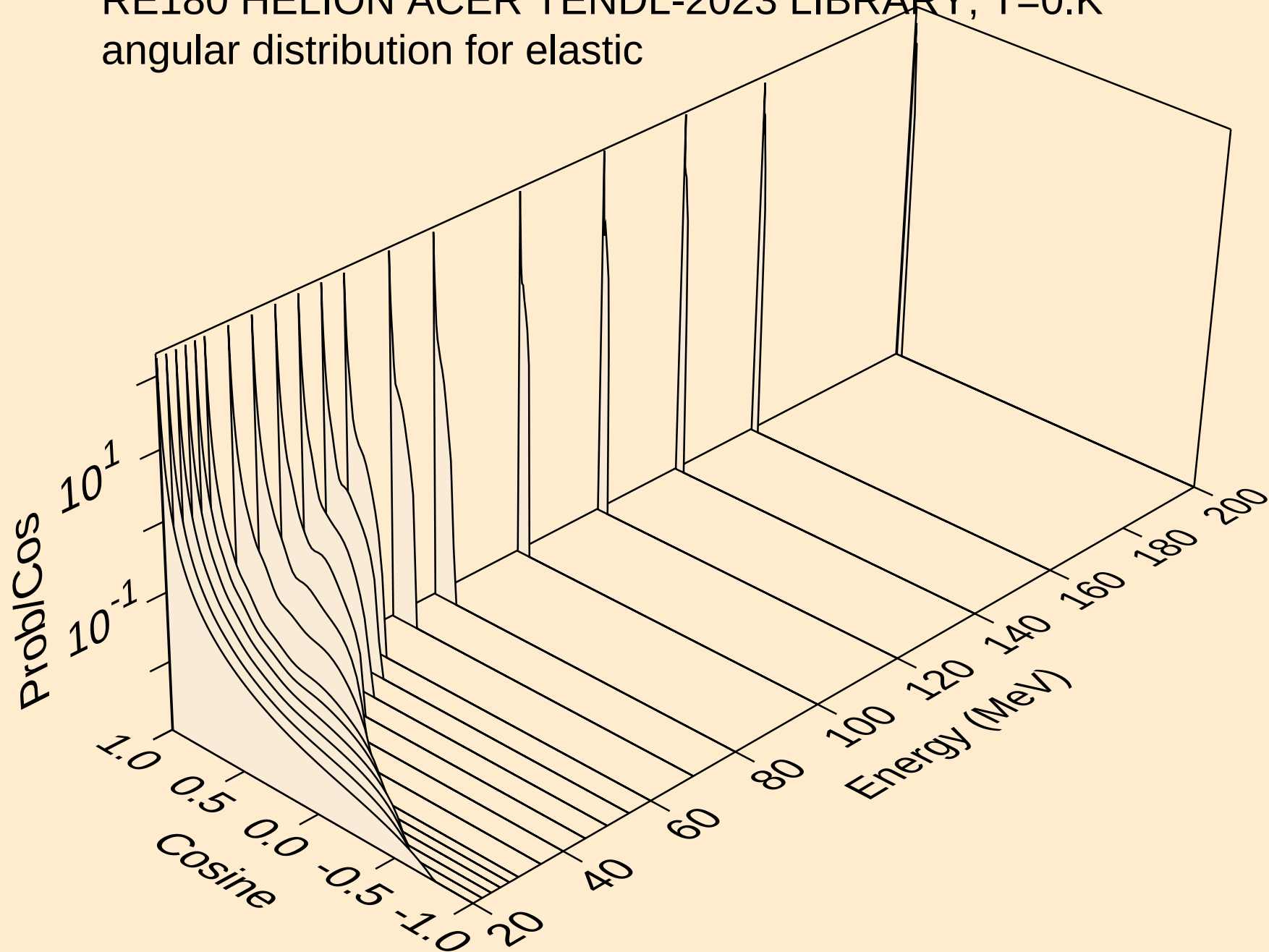
## Threshold reactions



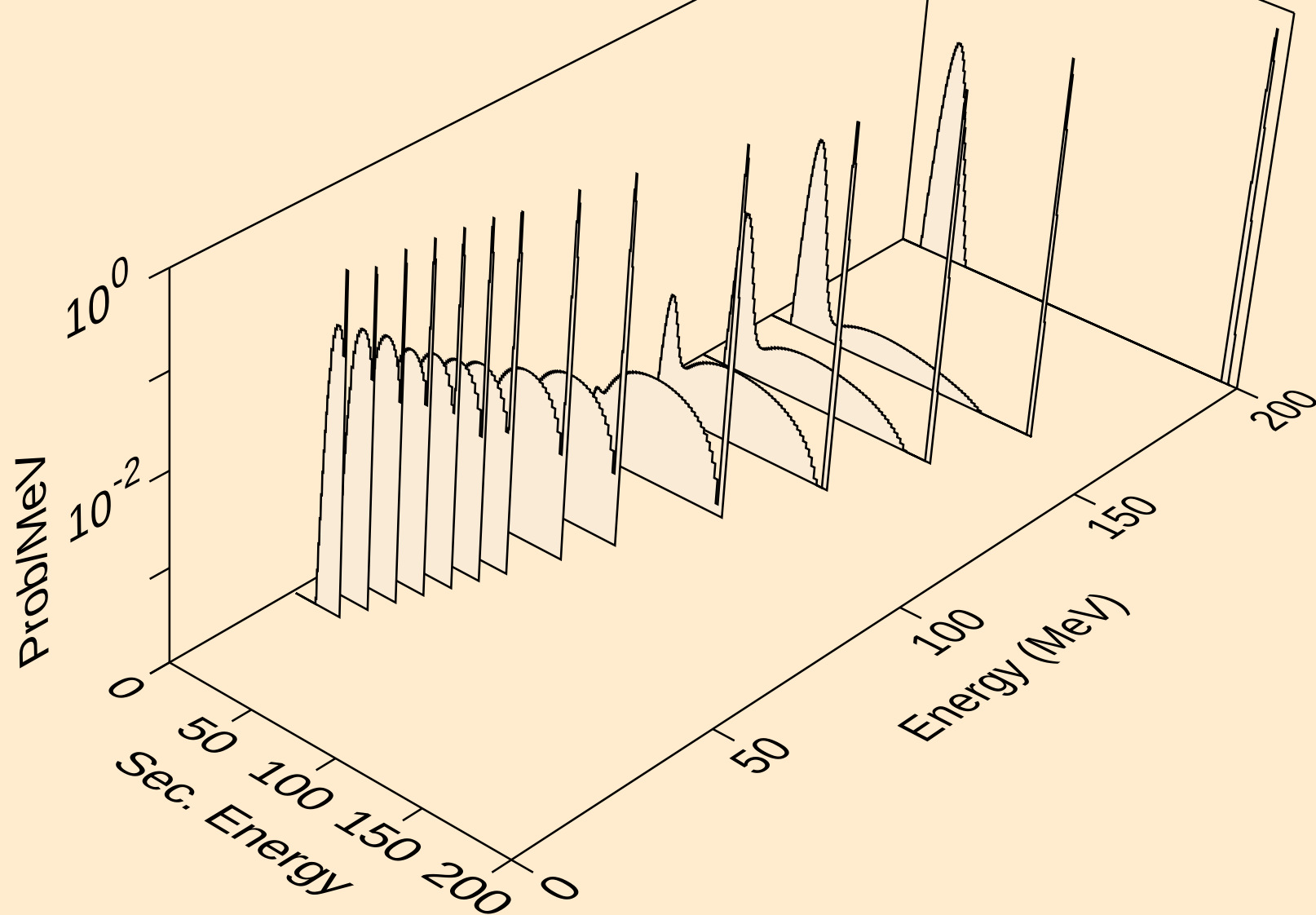
RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



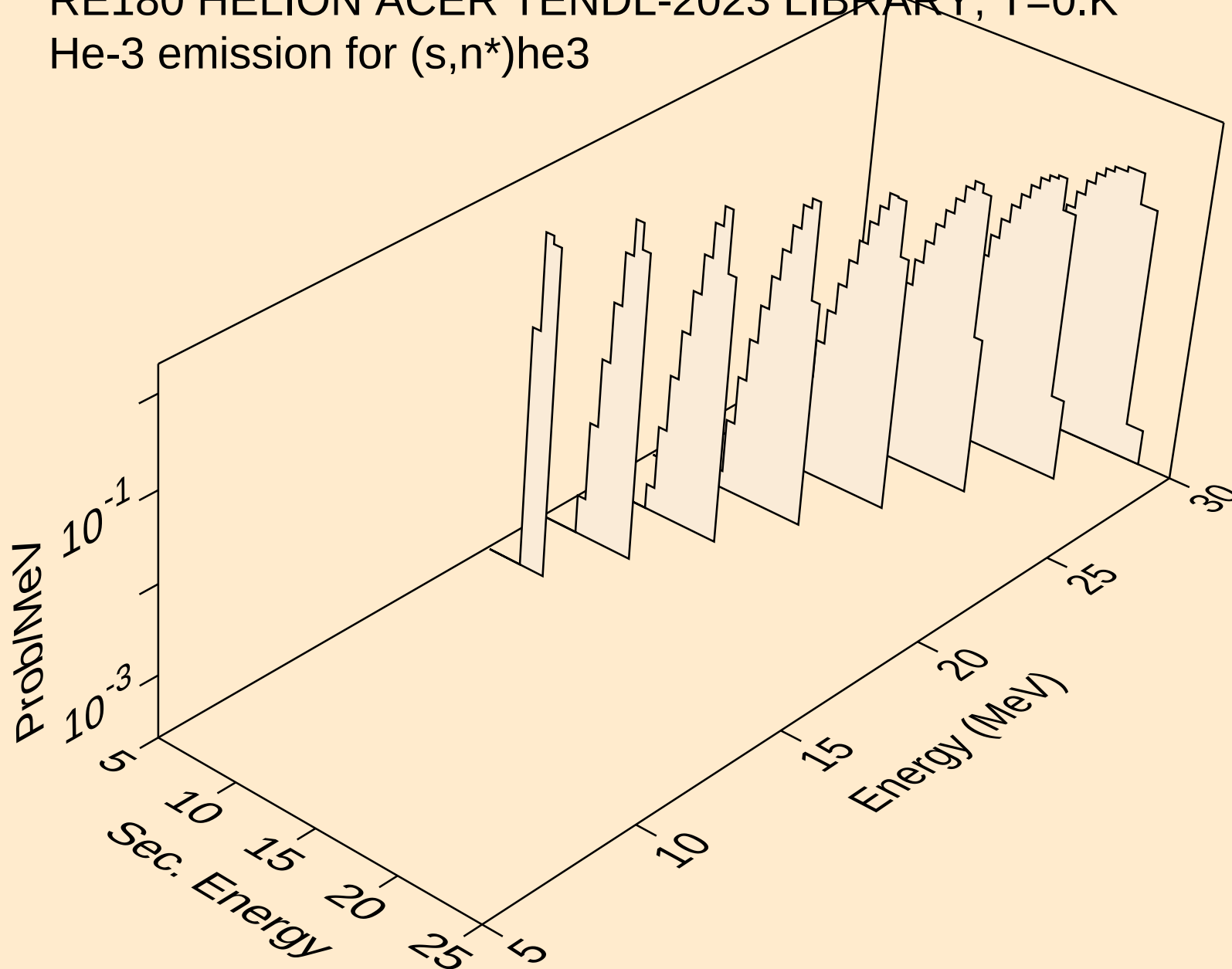
RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



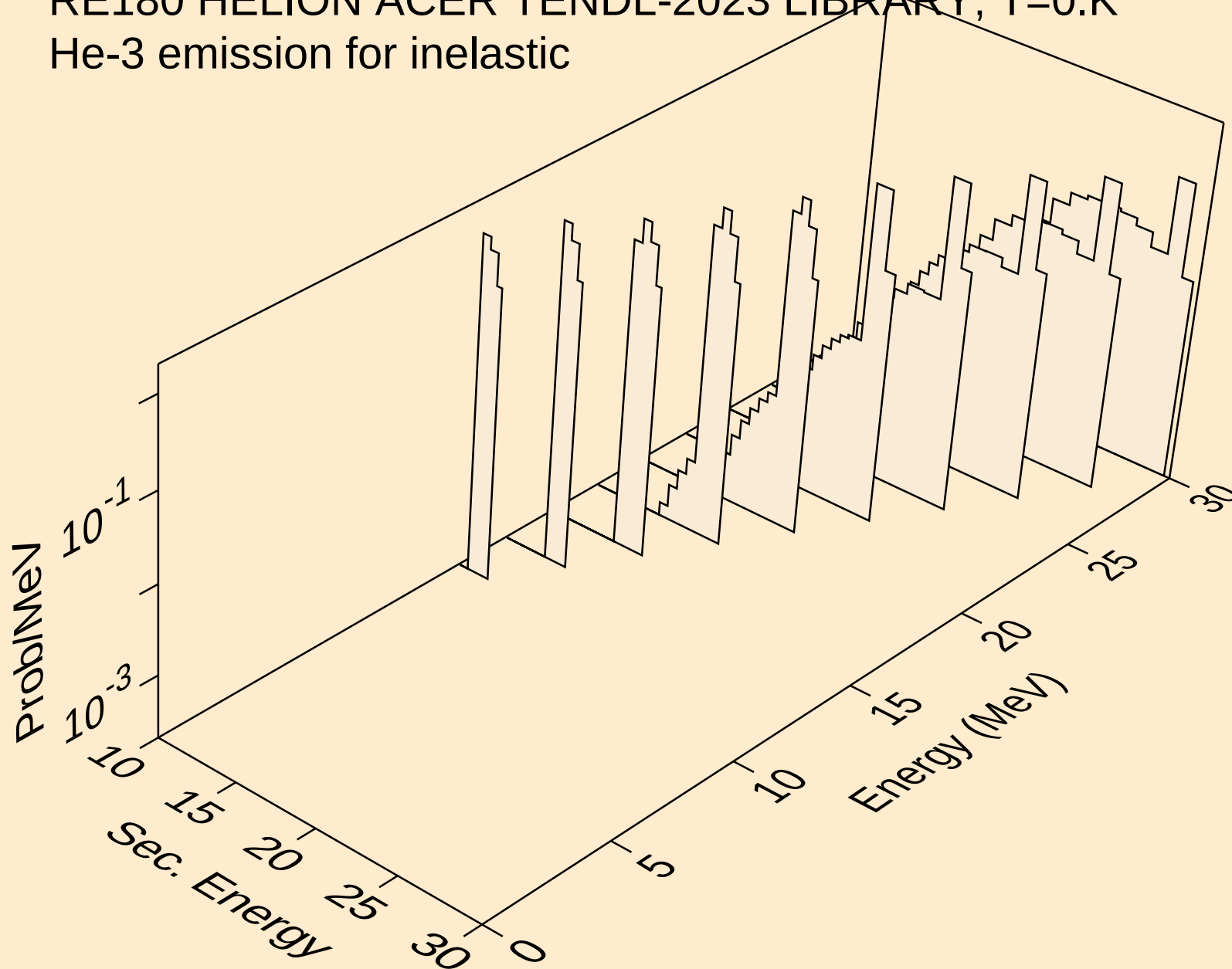
RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)



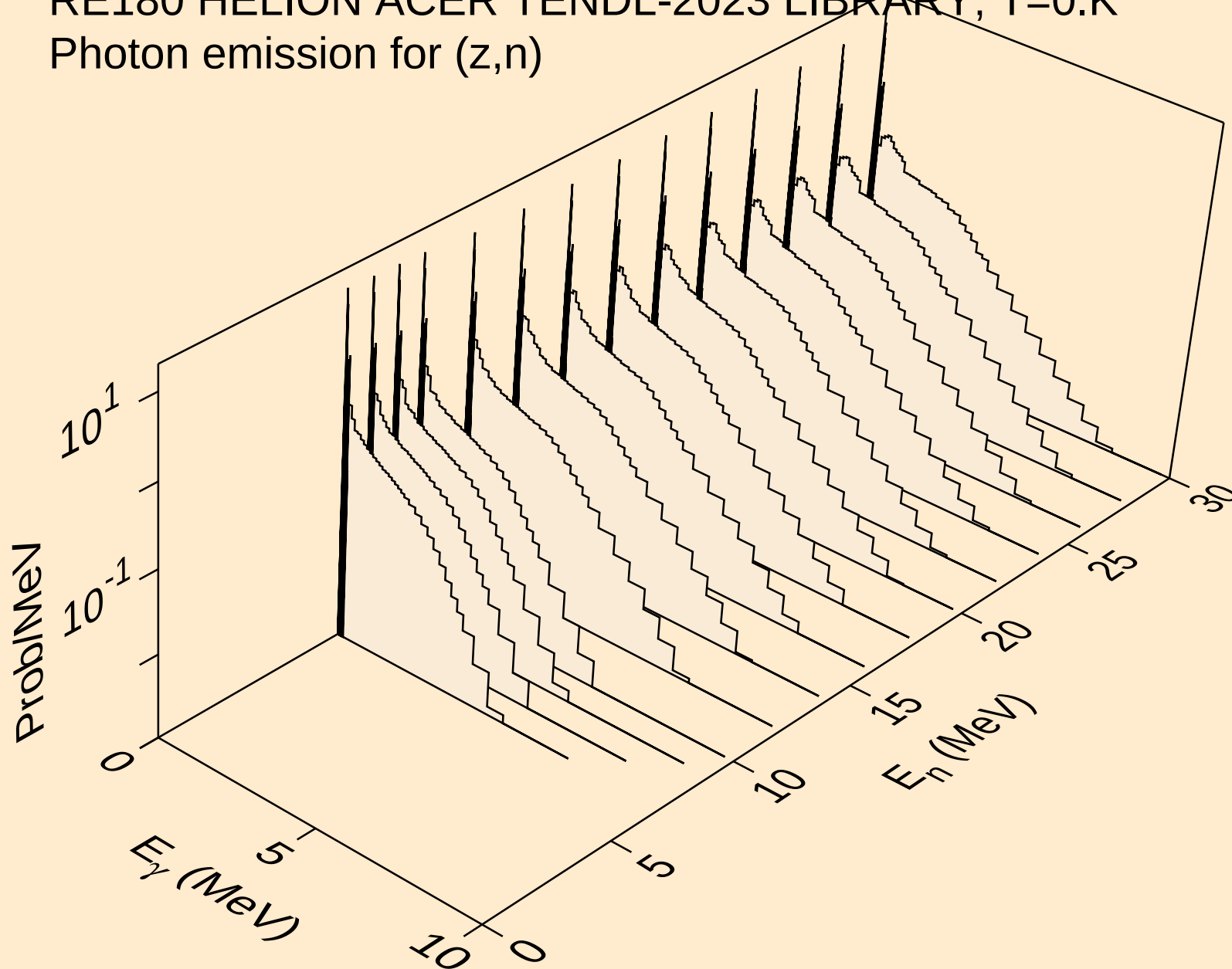
RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3



RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic

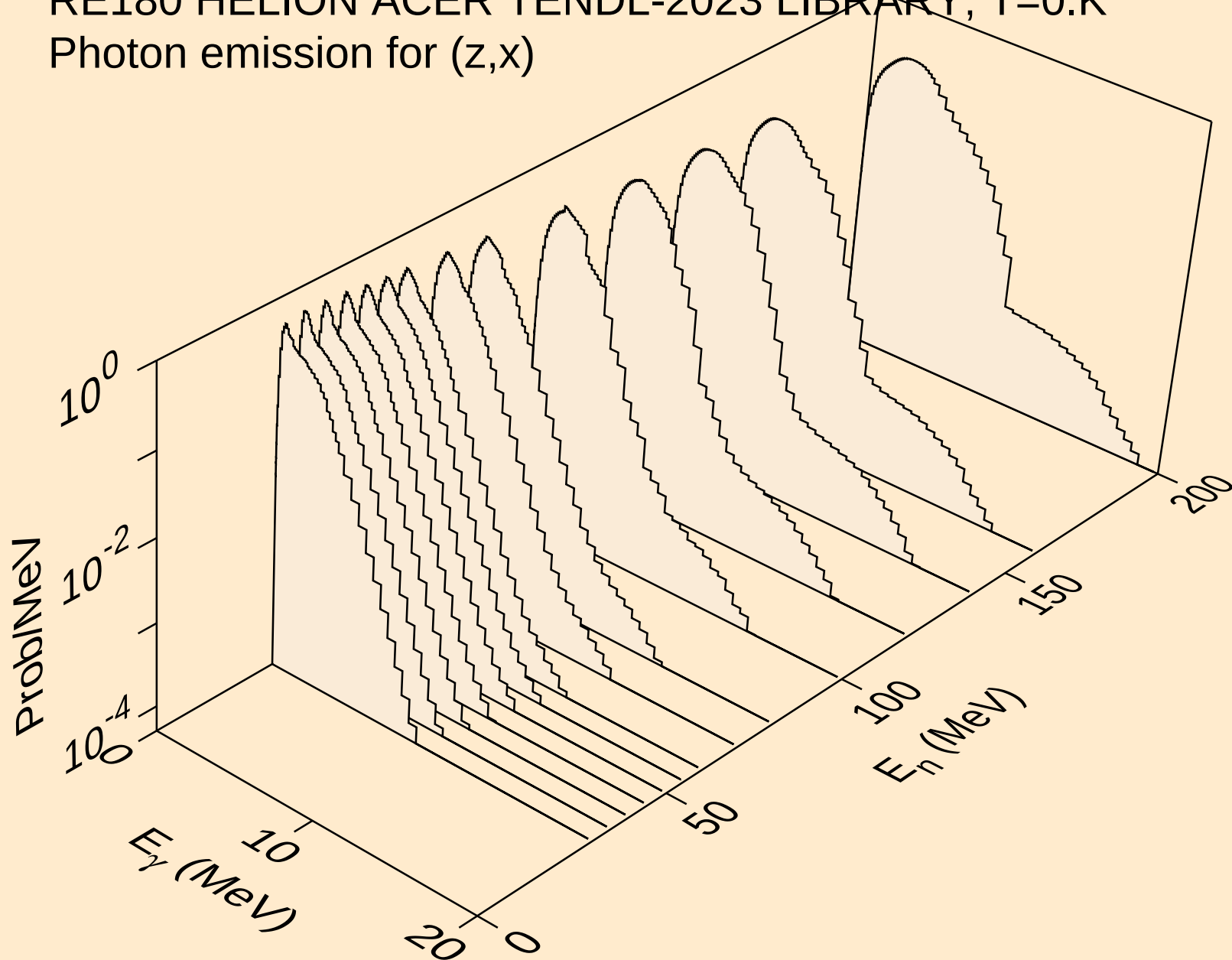


RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)

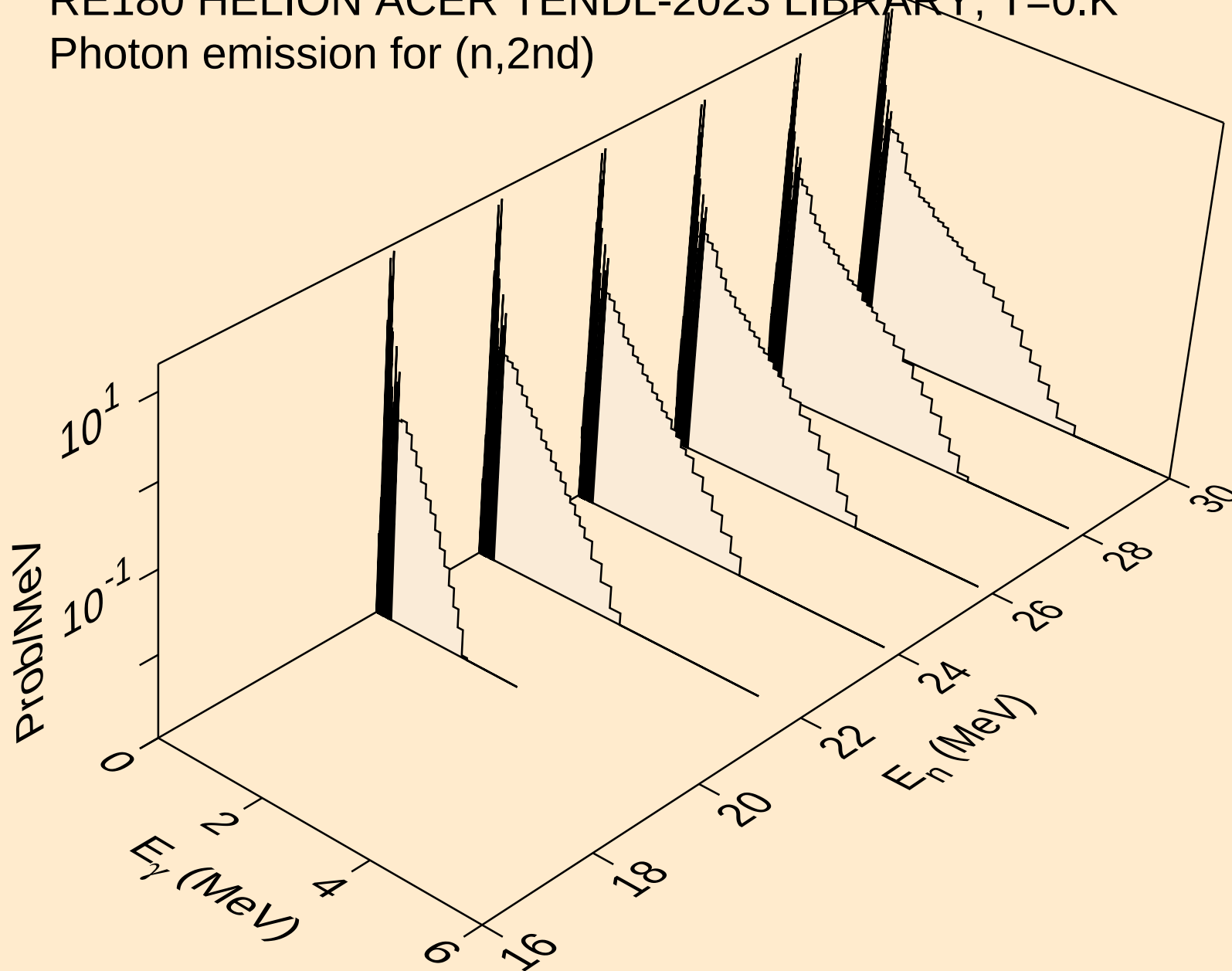


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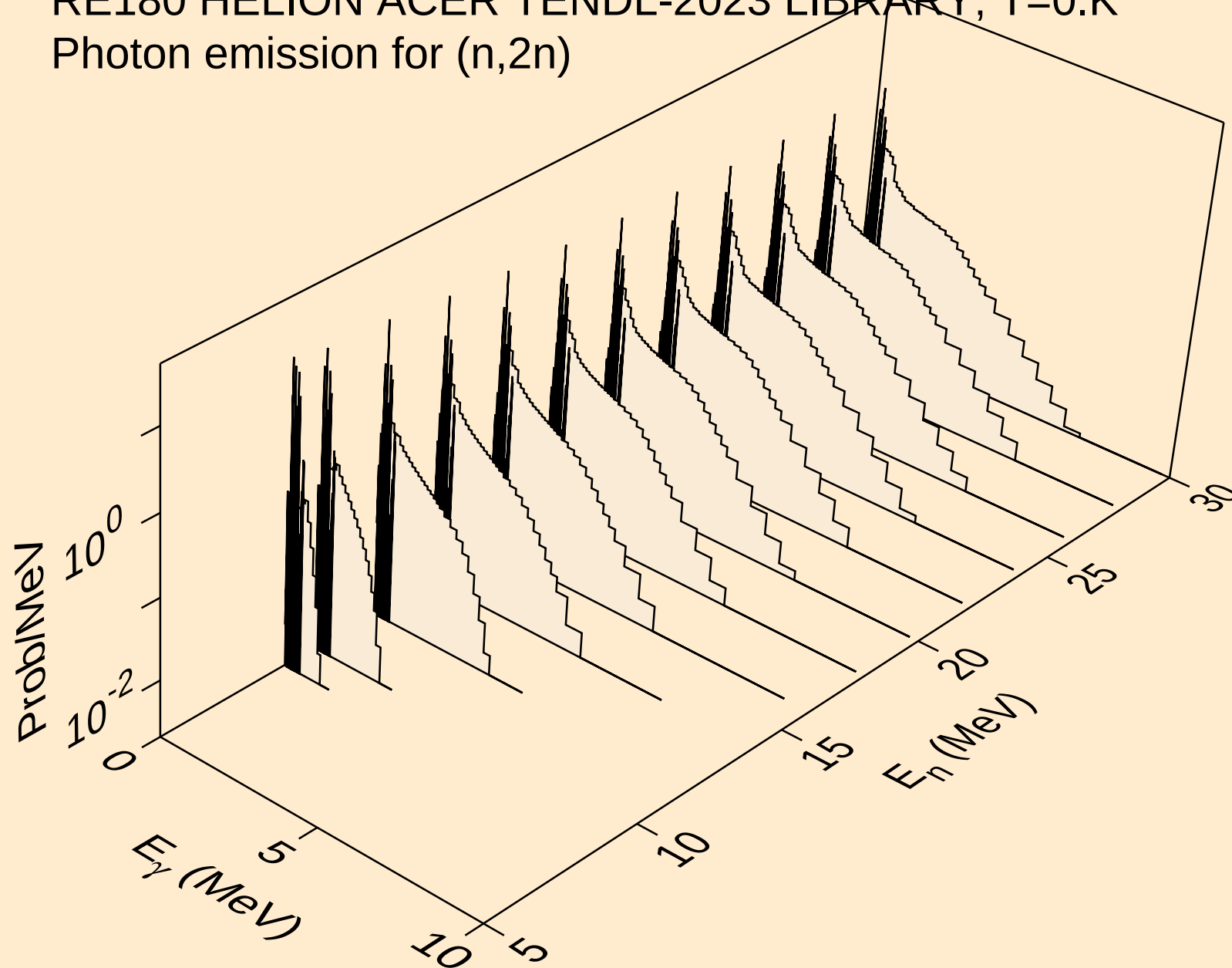
Photon emission for (z,x)



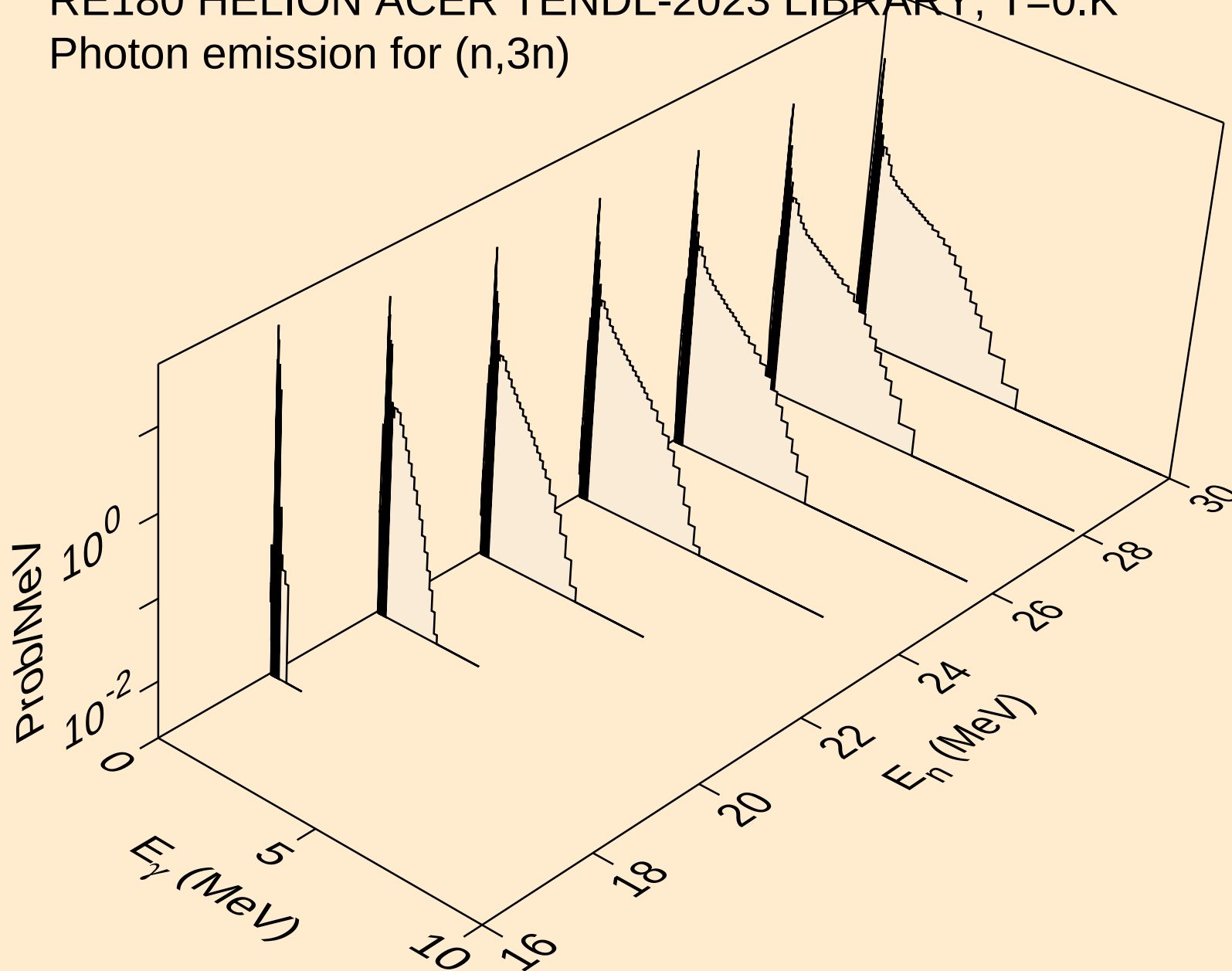
RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

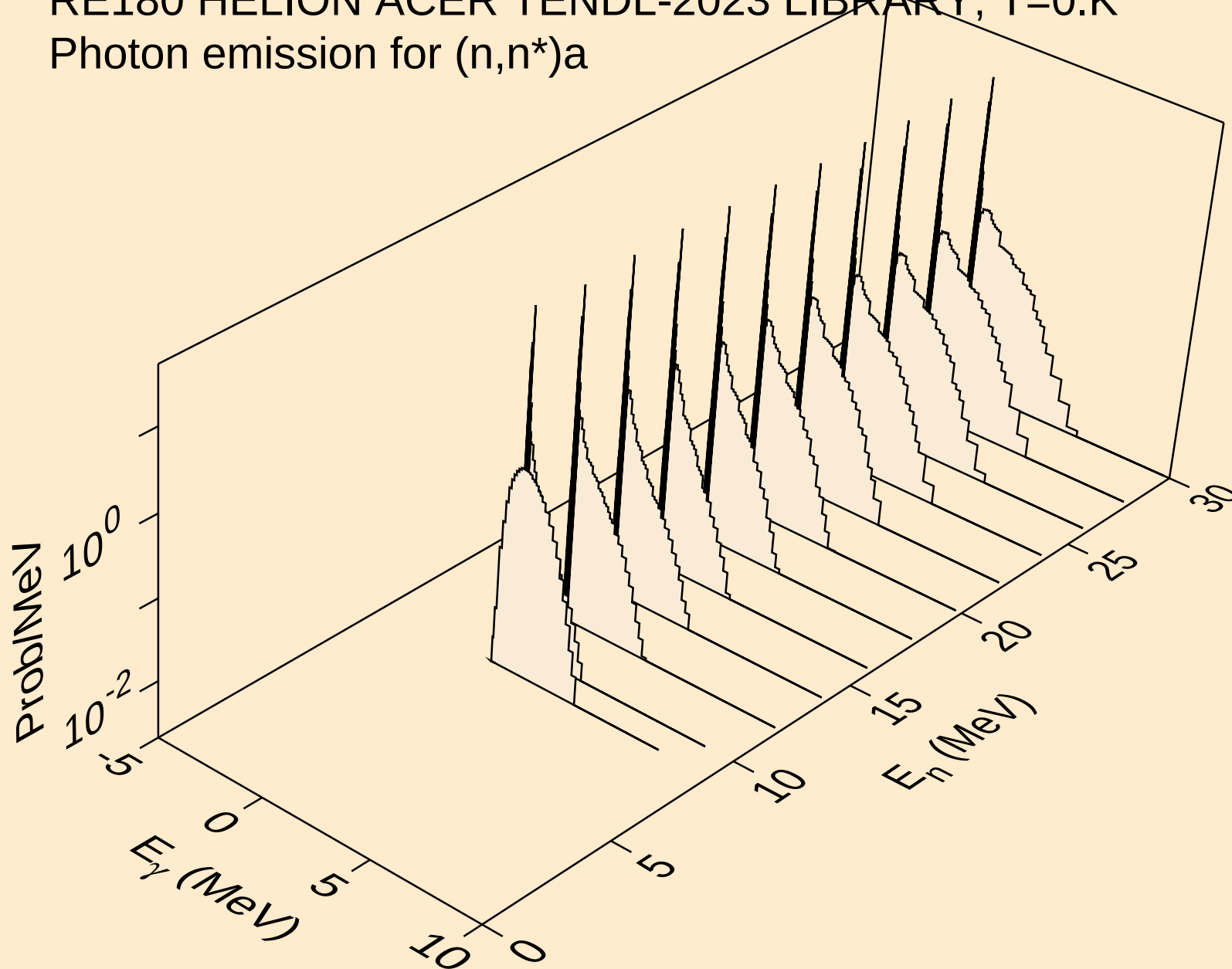


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Photon emission for (n,3n)



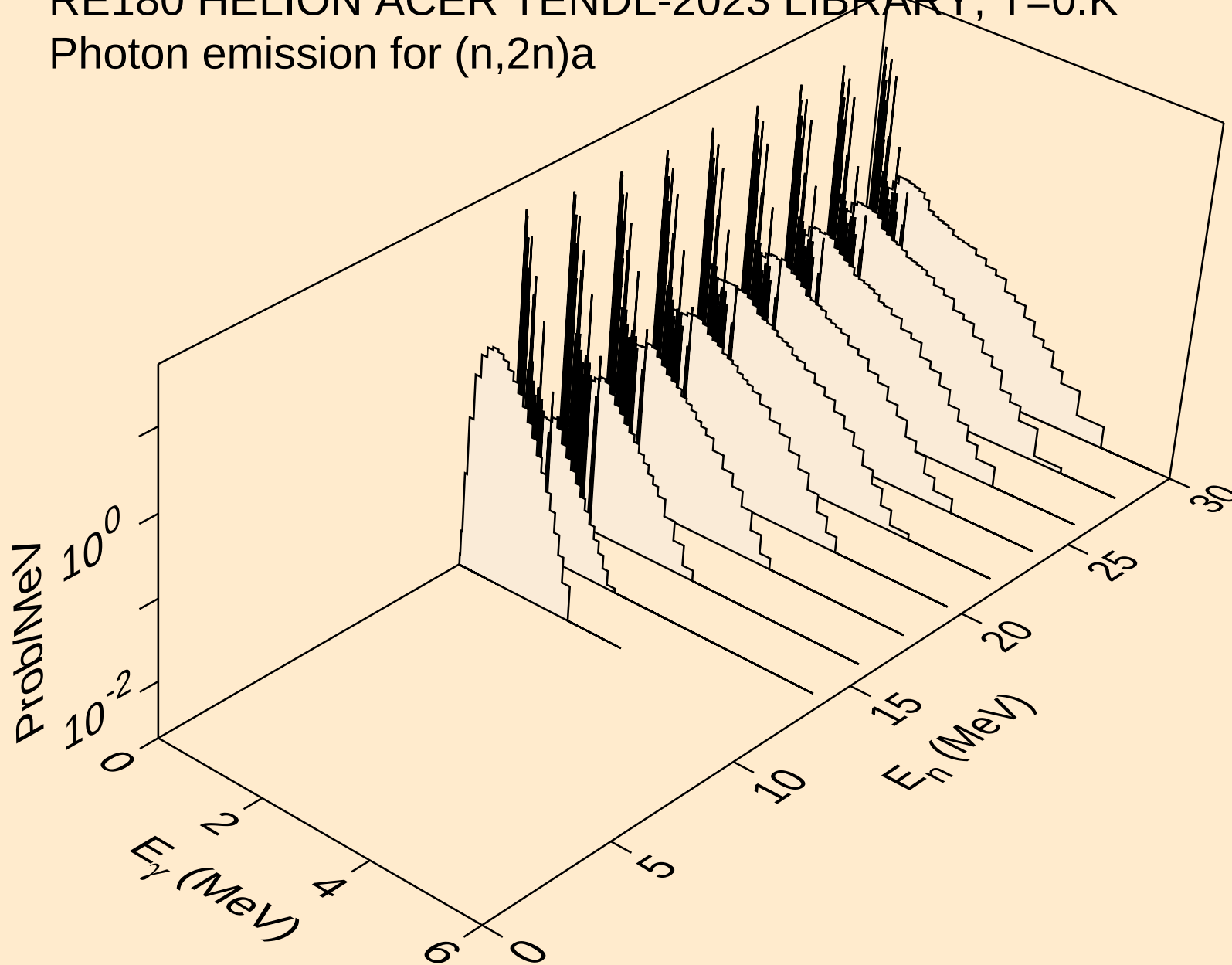
RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)a



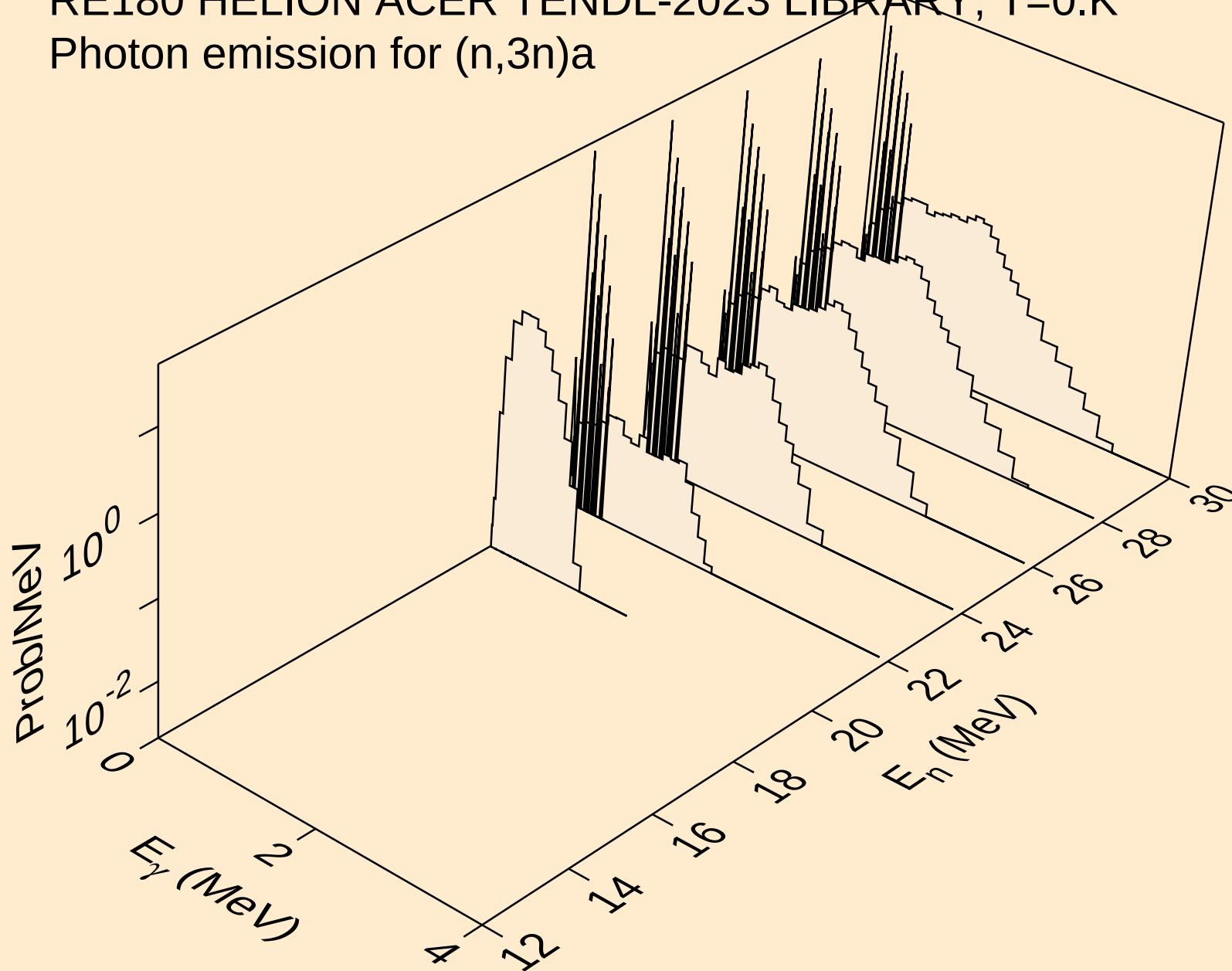
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Photon emission for (n,2n) $\alpha$



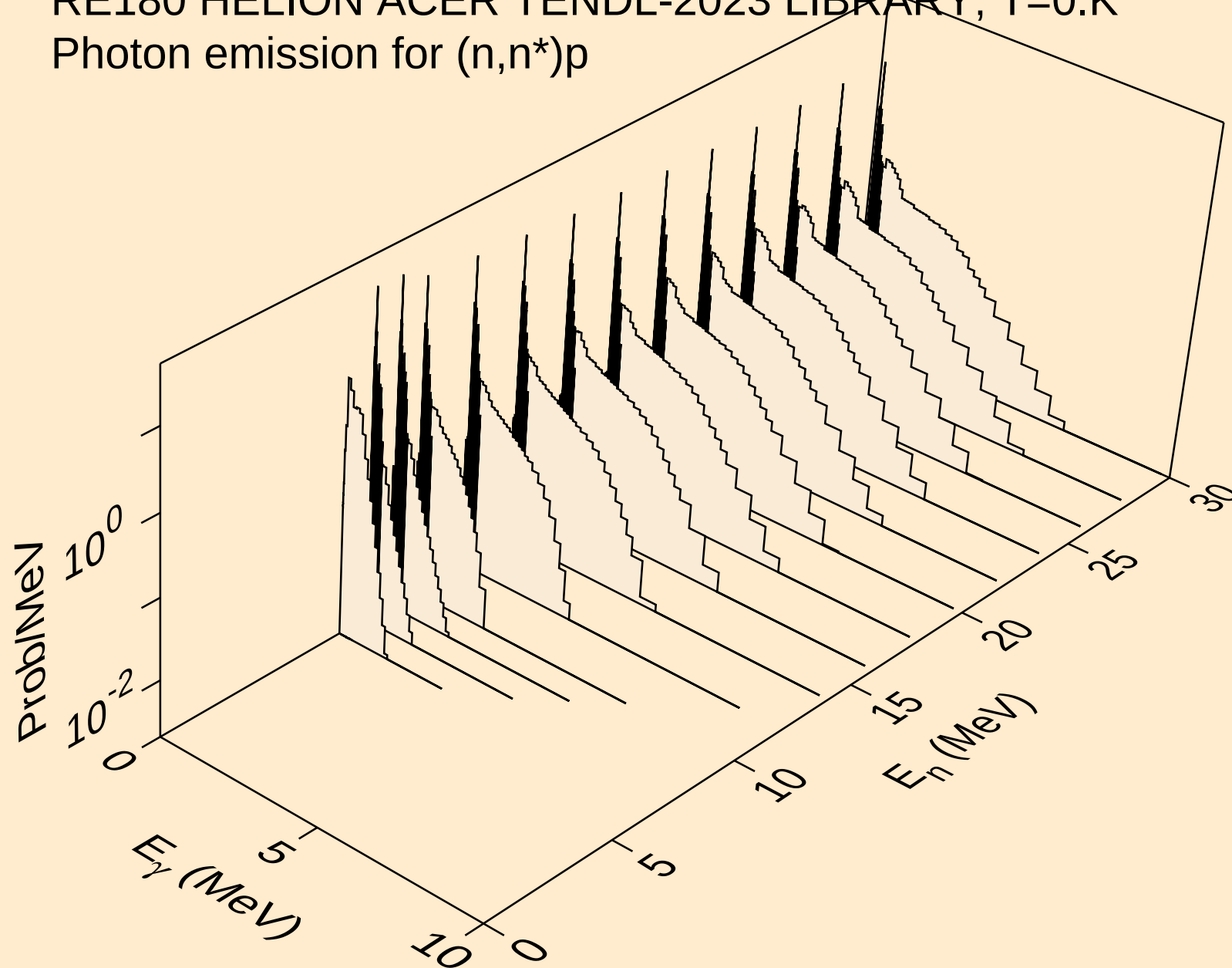
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Photon emission for (n,3n)a



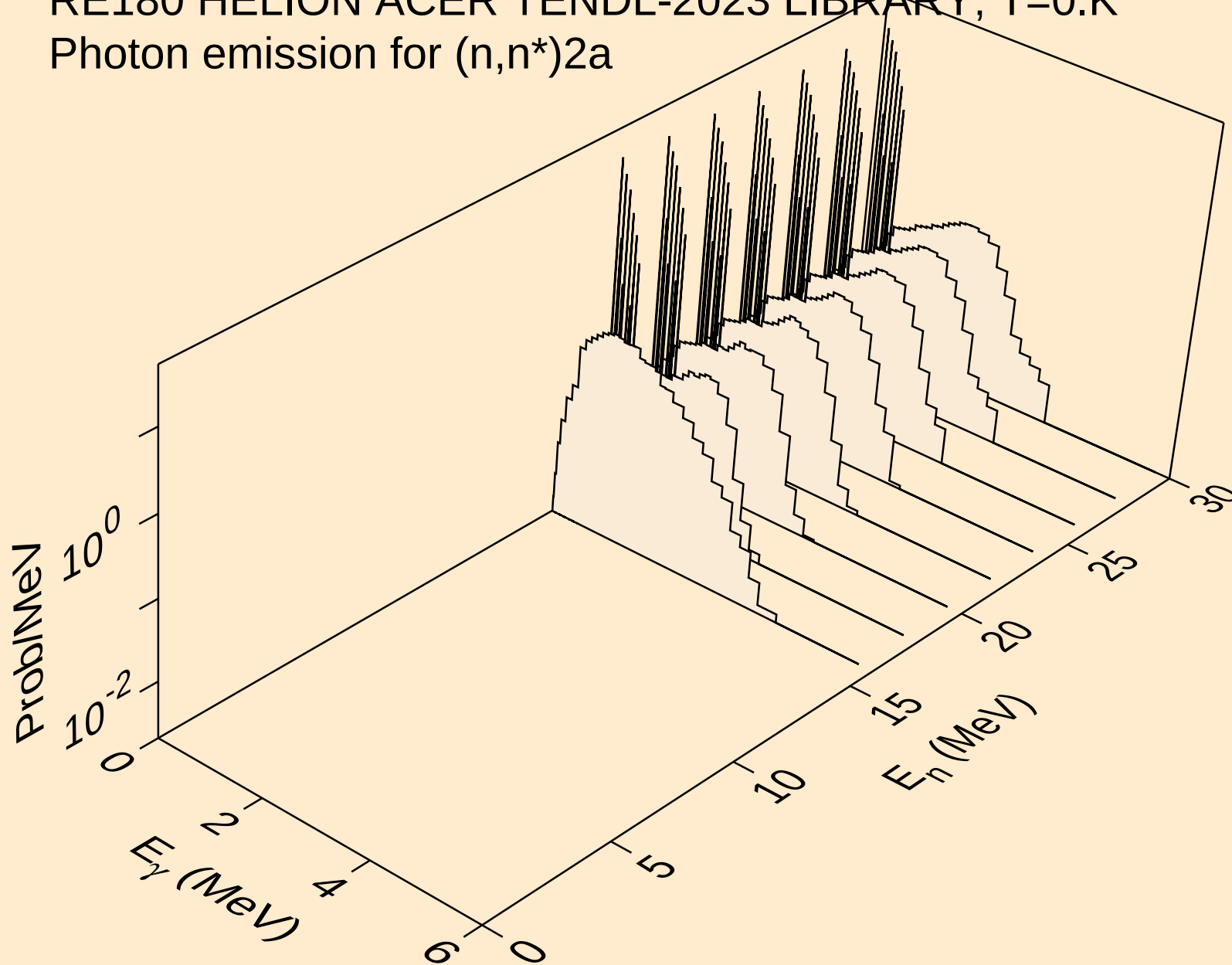
RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)p



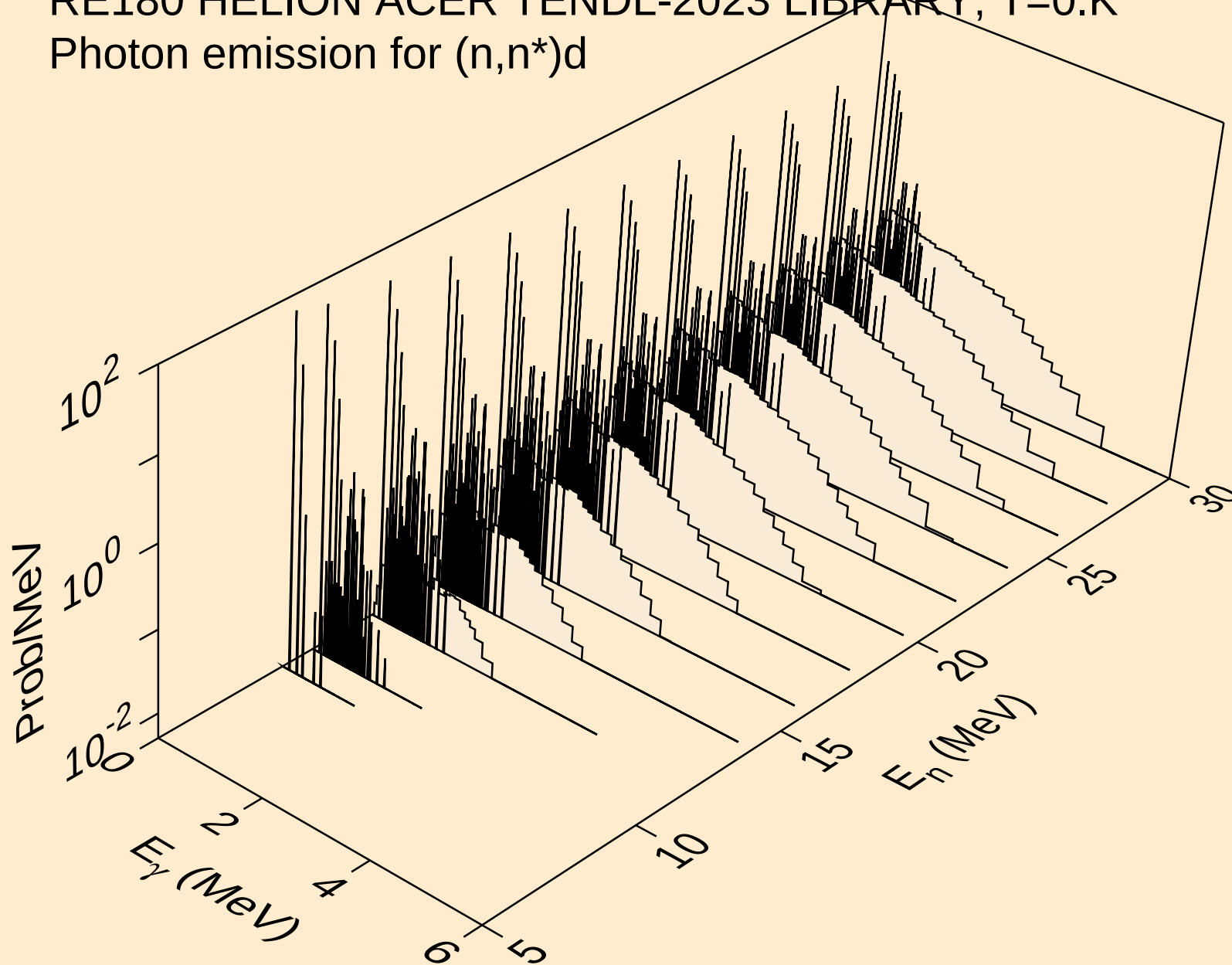
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Photon emission for (n,n\*)2a



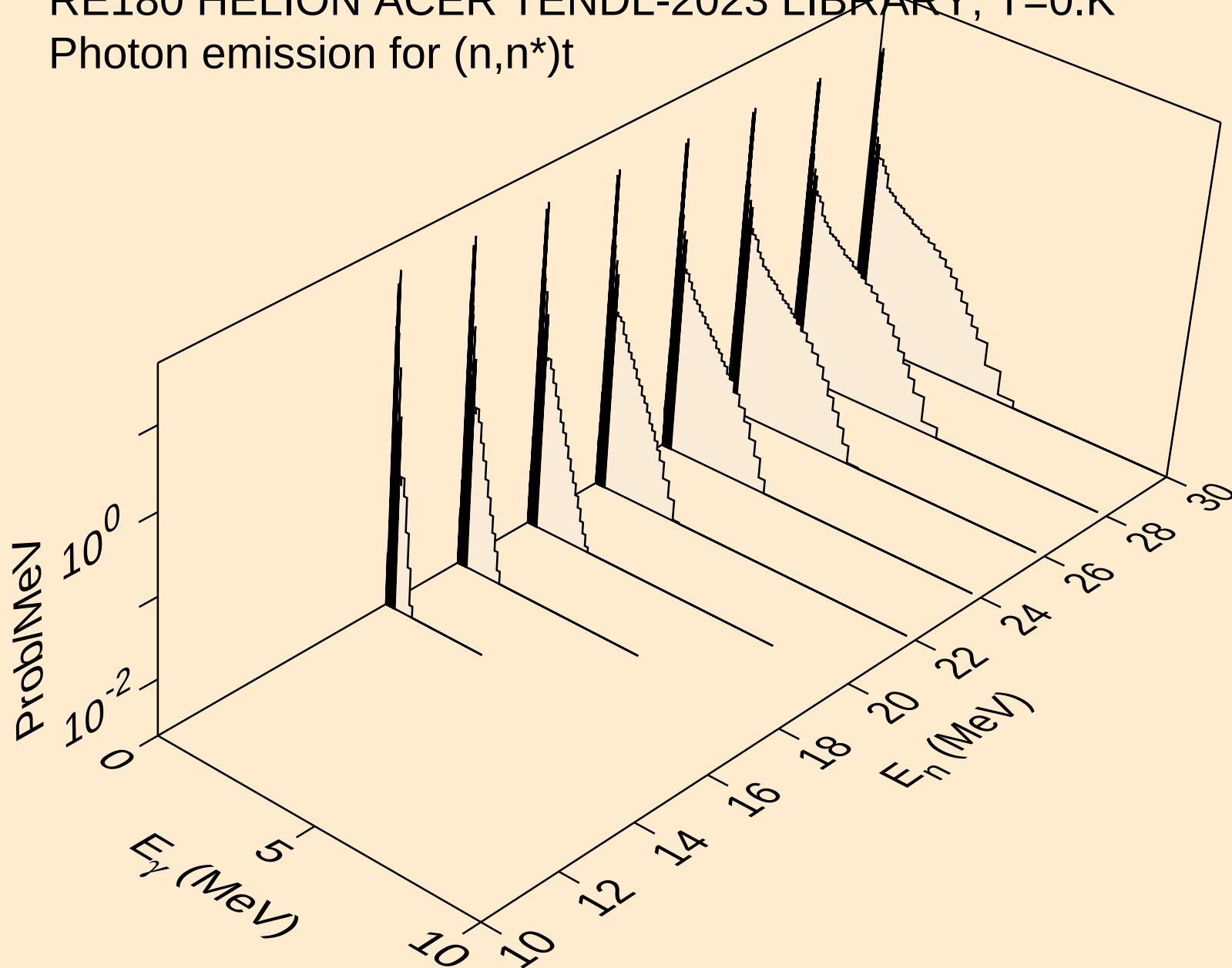
RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)d



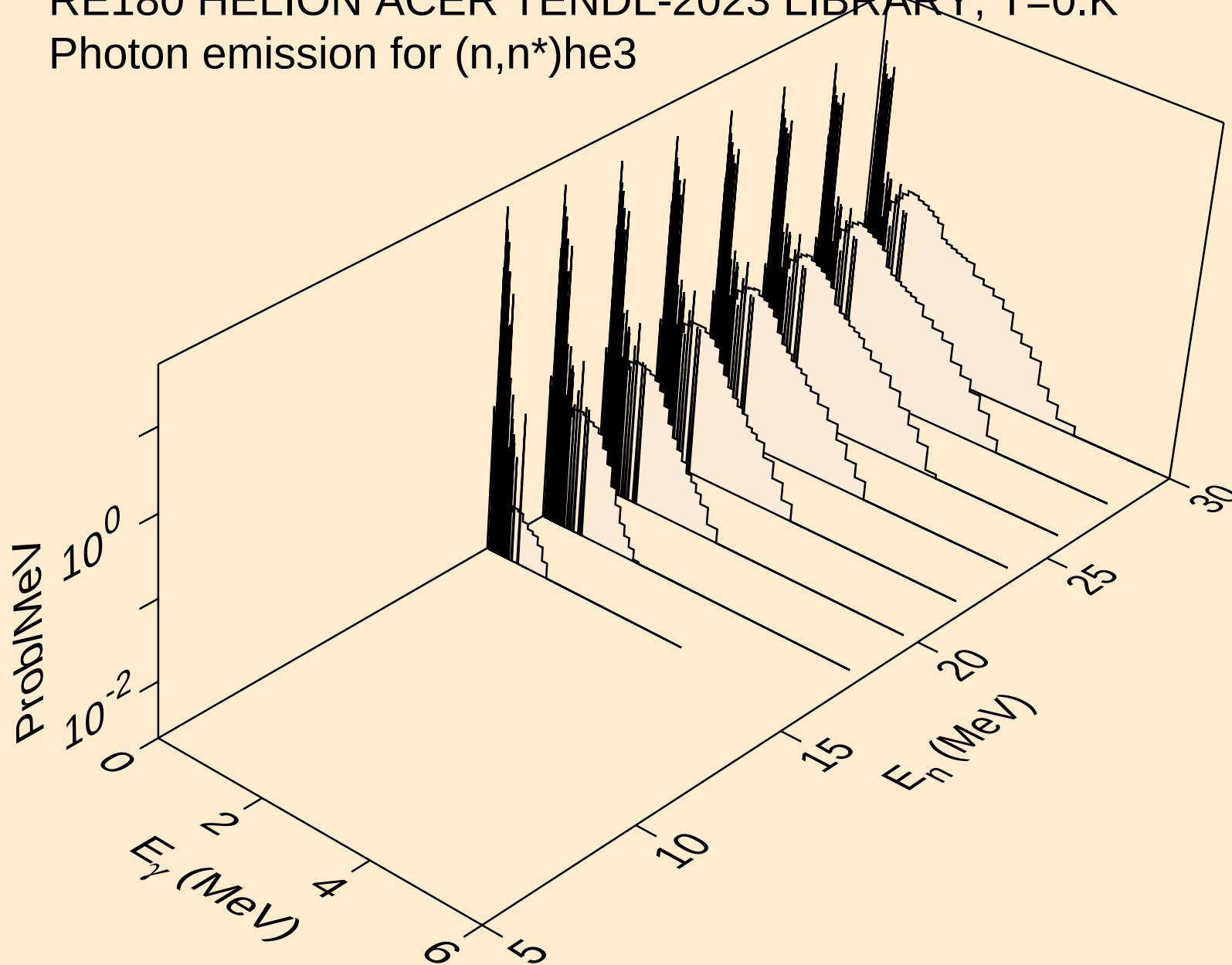
RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,n\*)t

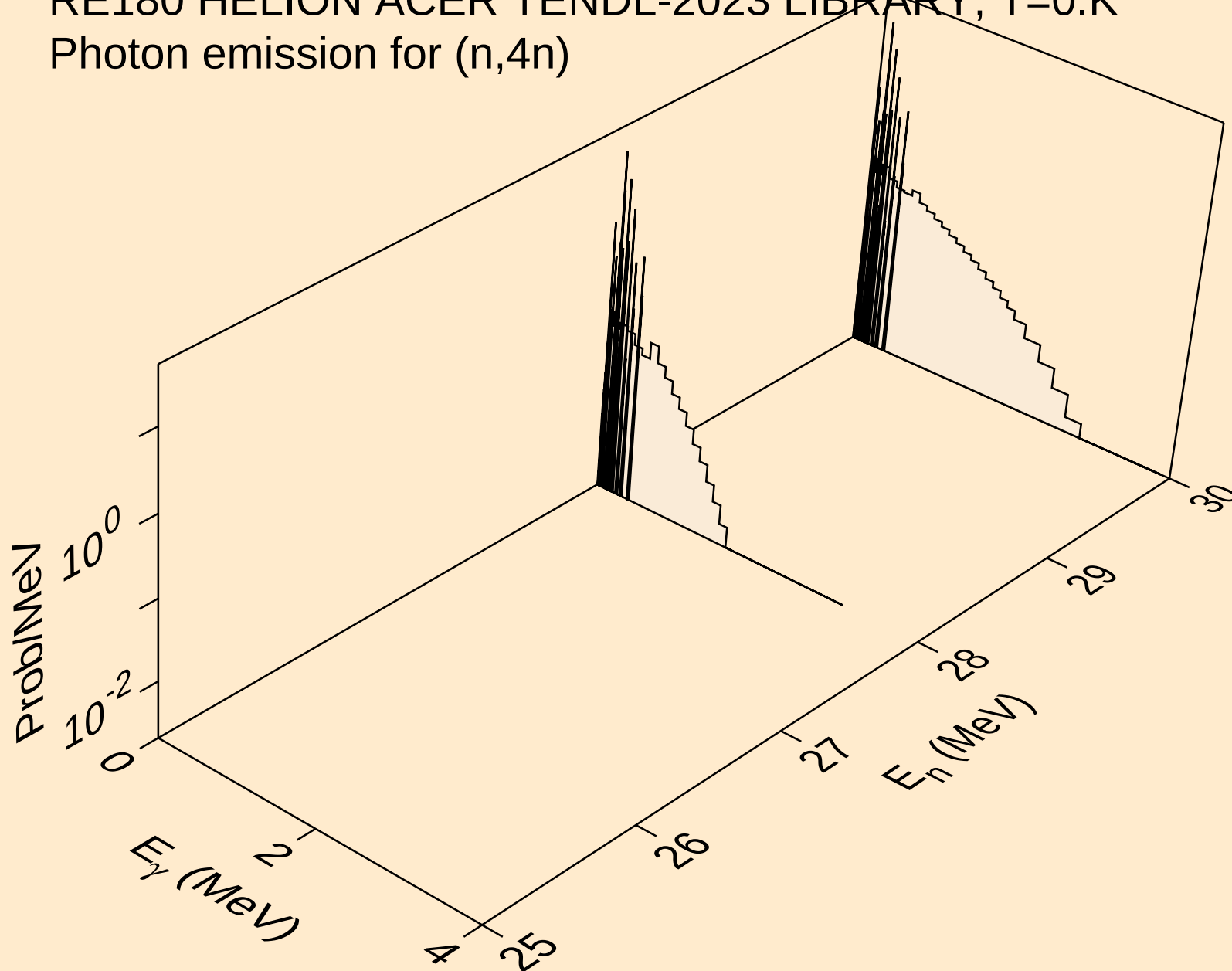


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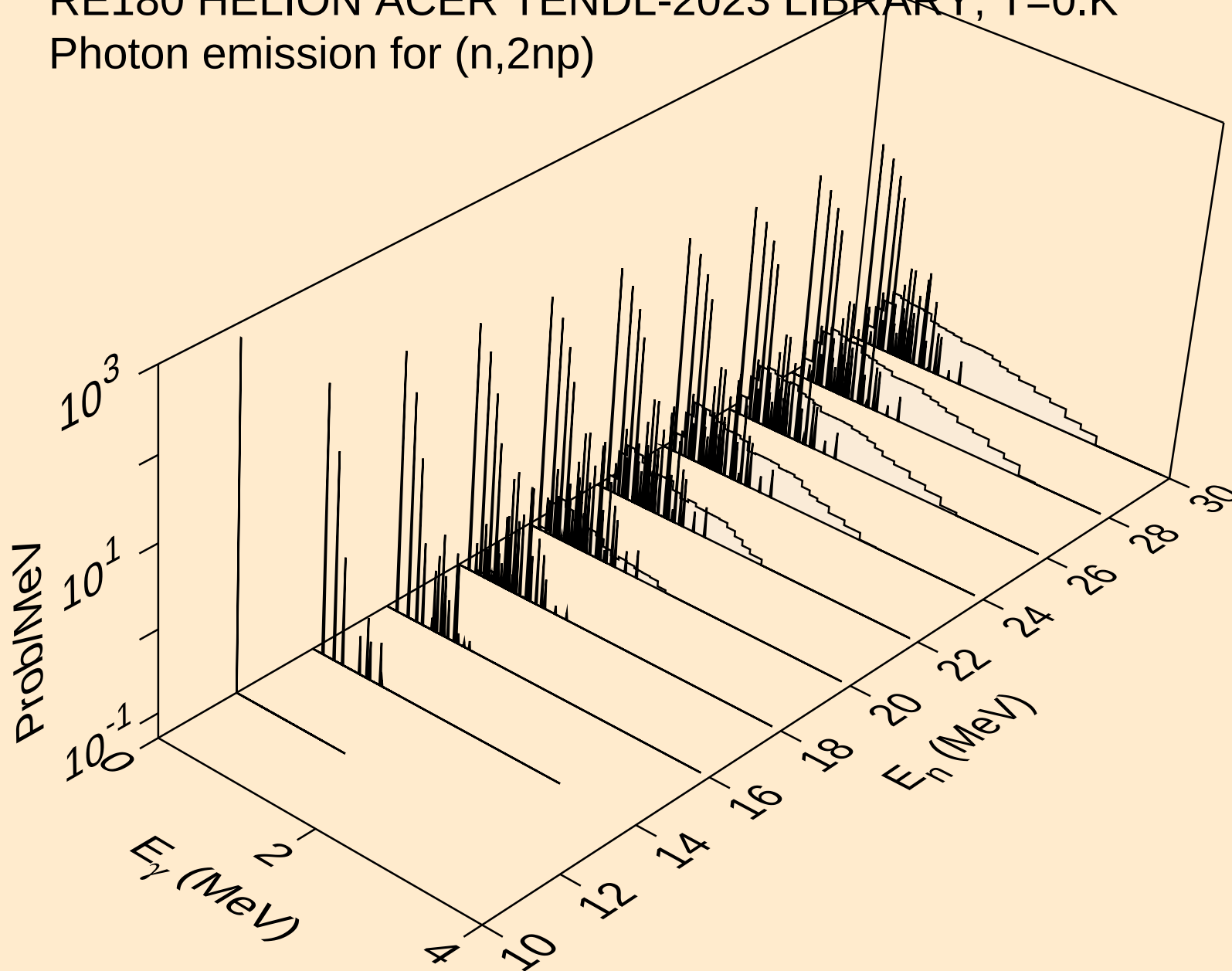
Photon emission for (n,n\*)he3



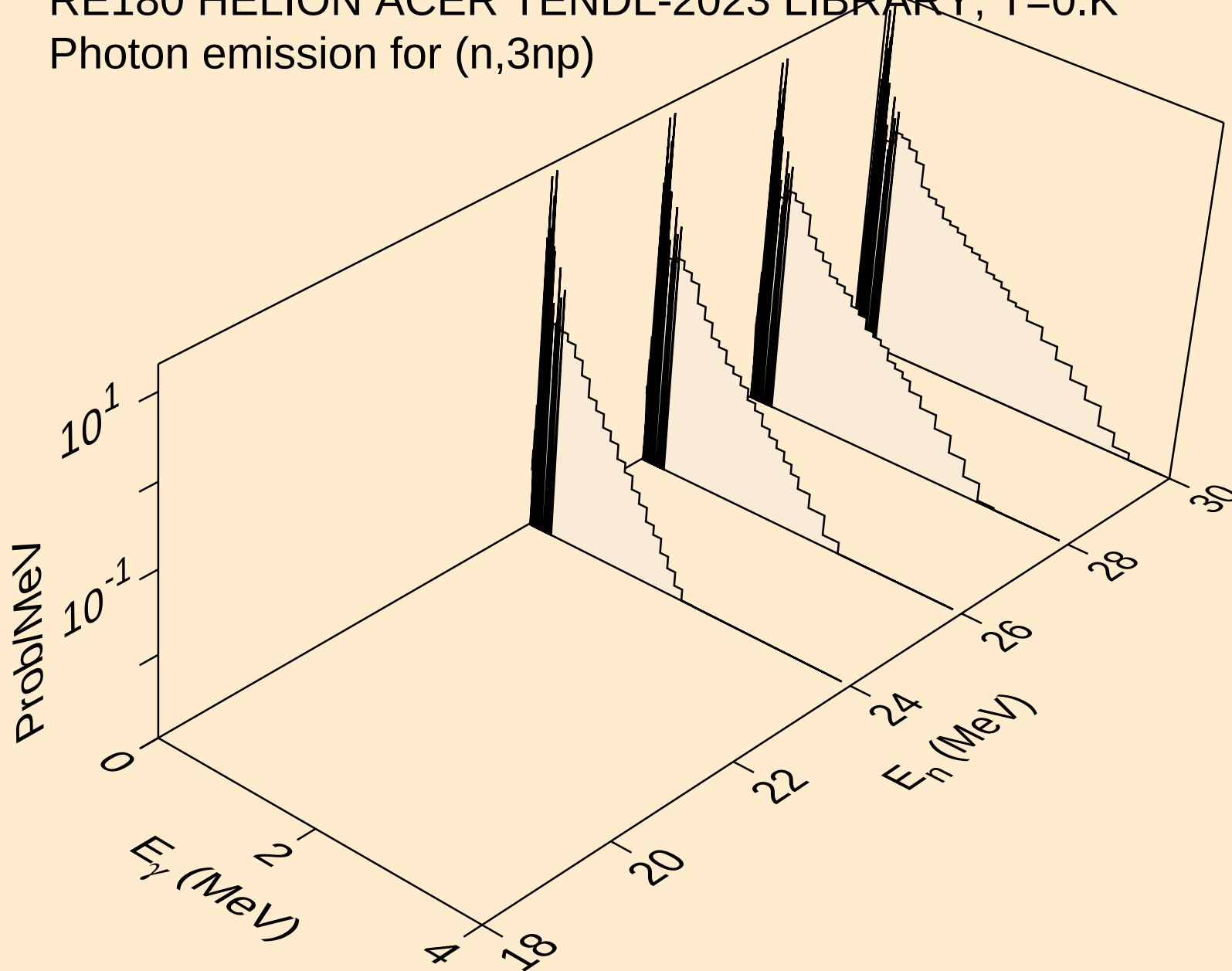
RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



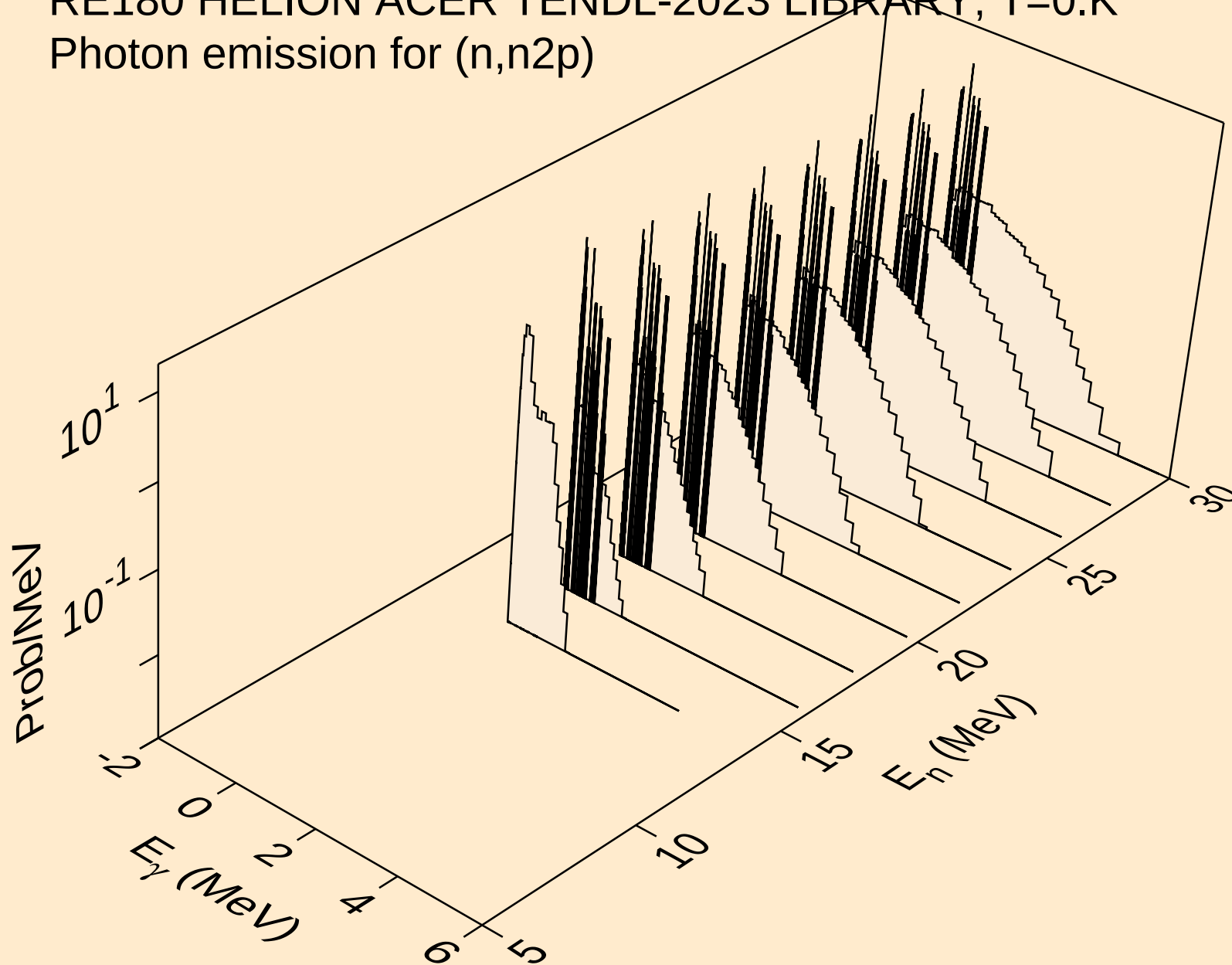
RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)

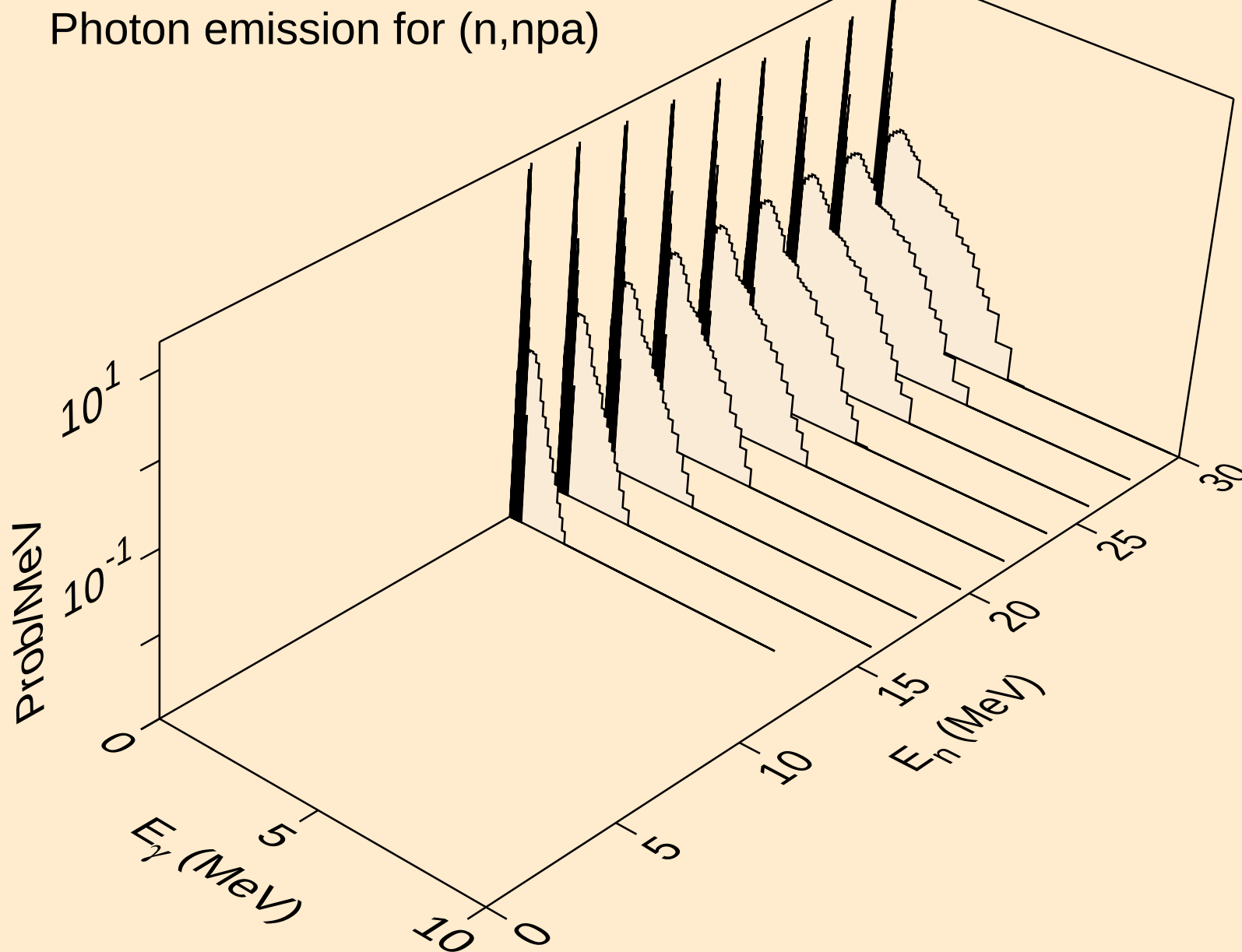


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Photon emission for (n,n2p)

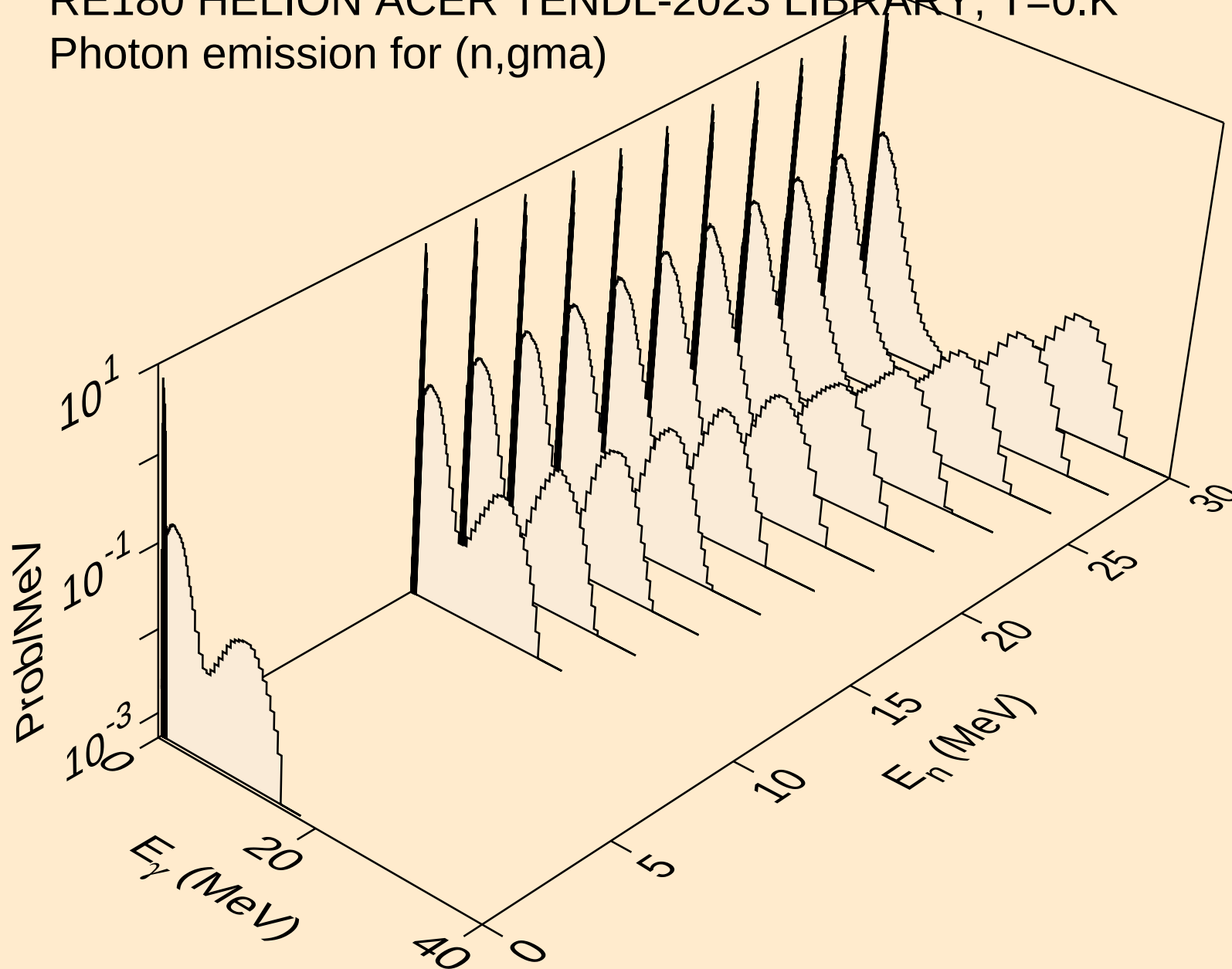


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Photon emission for (n,npa)

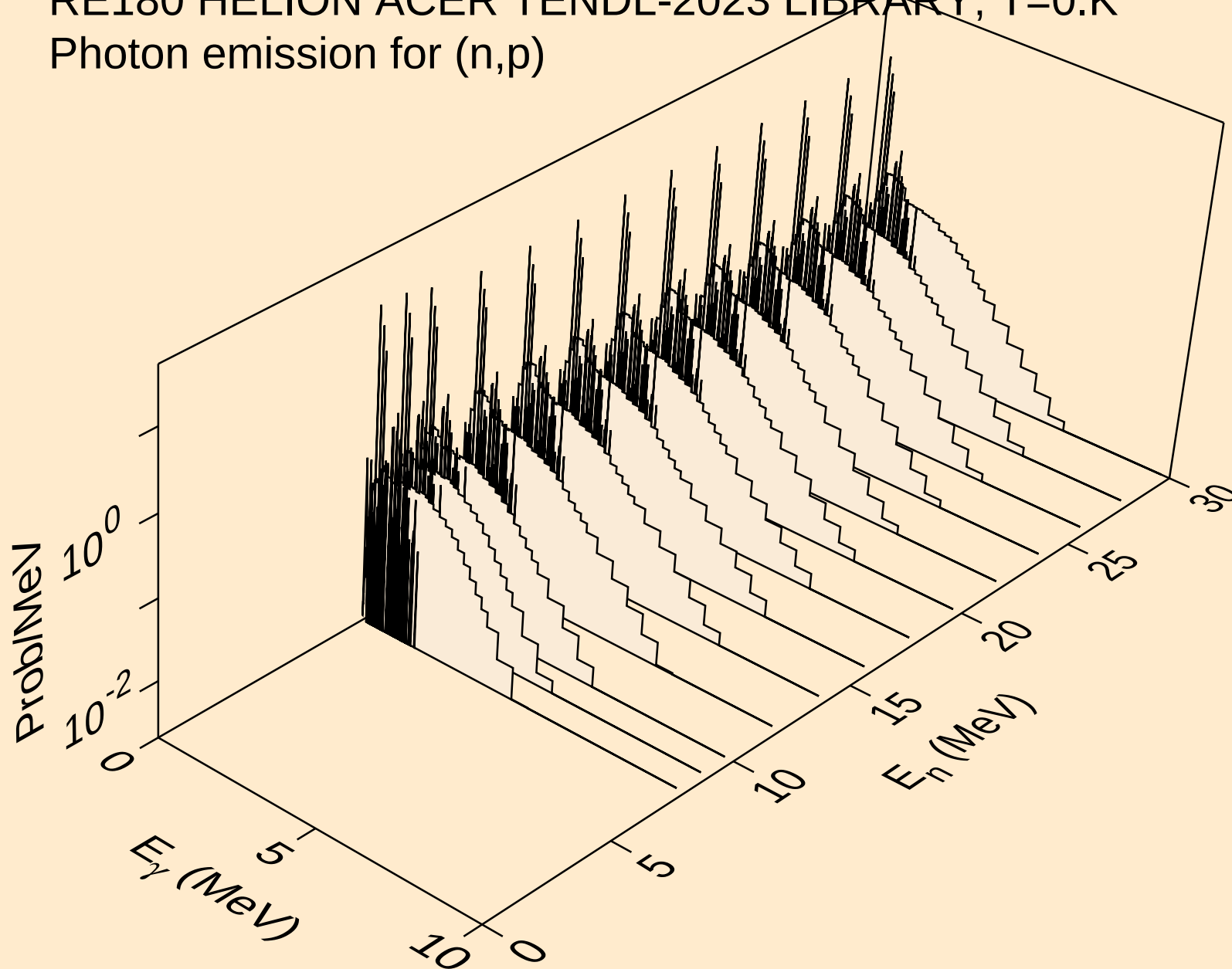


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Photon emission for (n,gma)

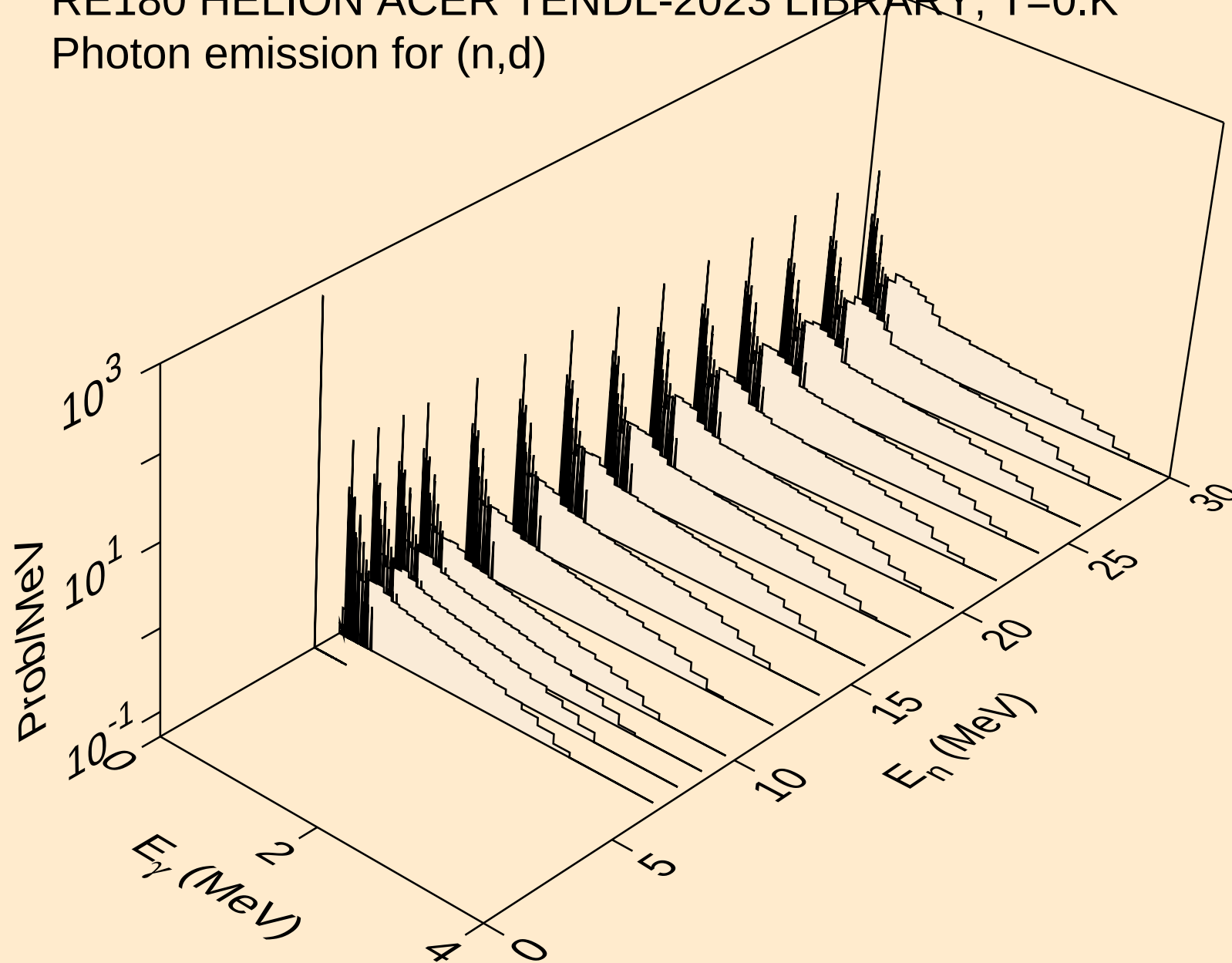


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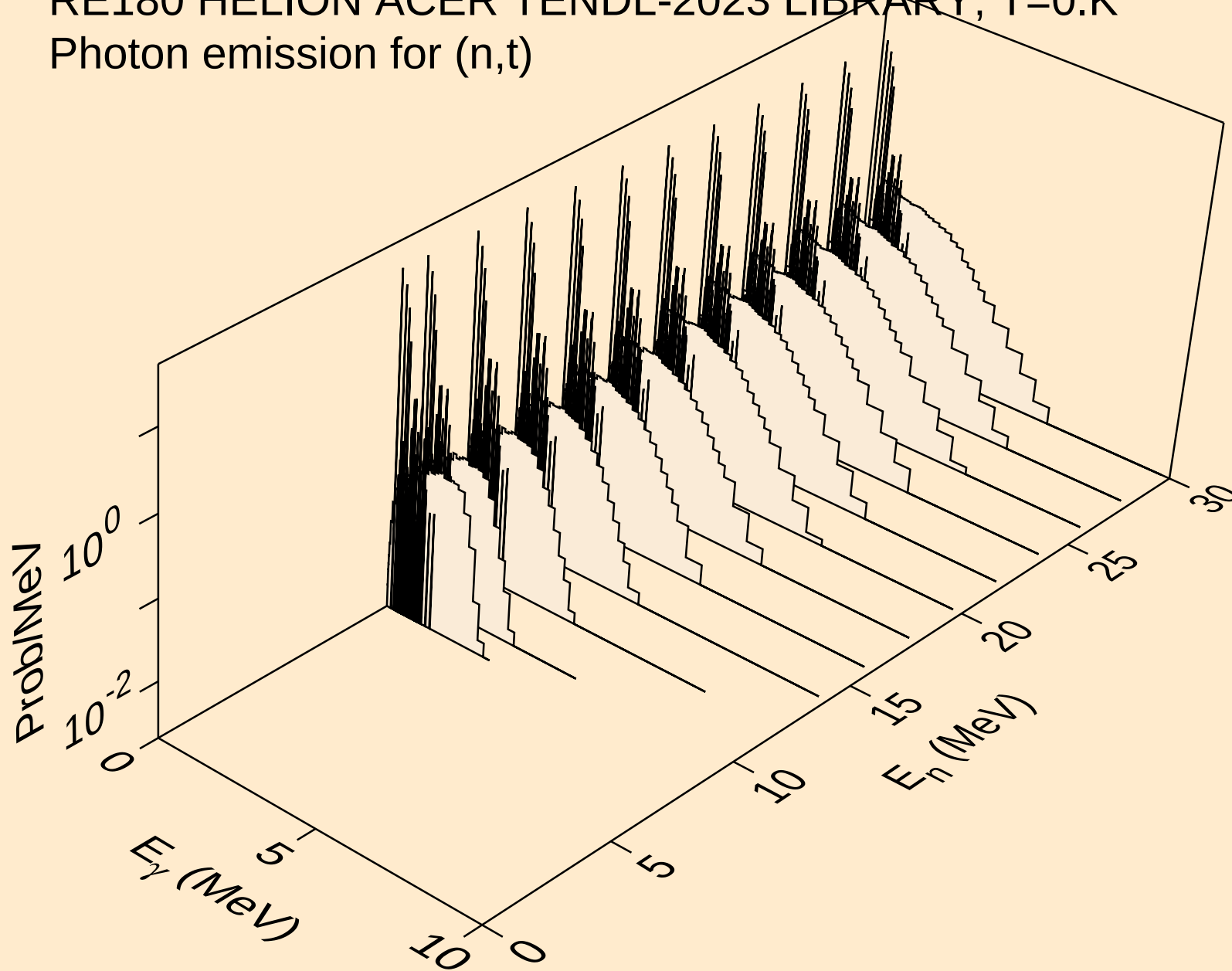
Photon emission for (n,p)



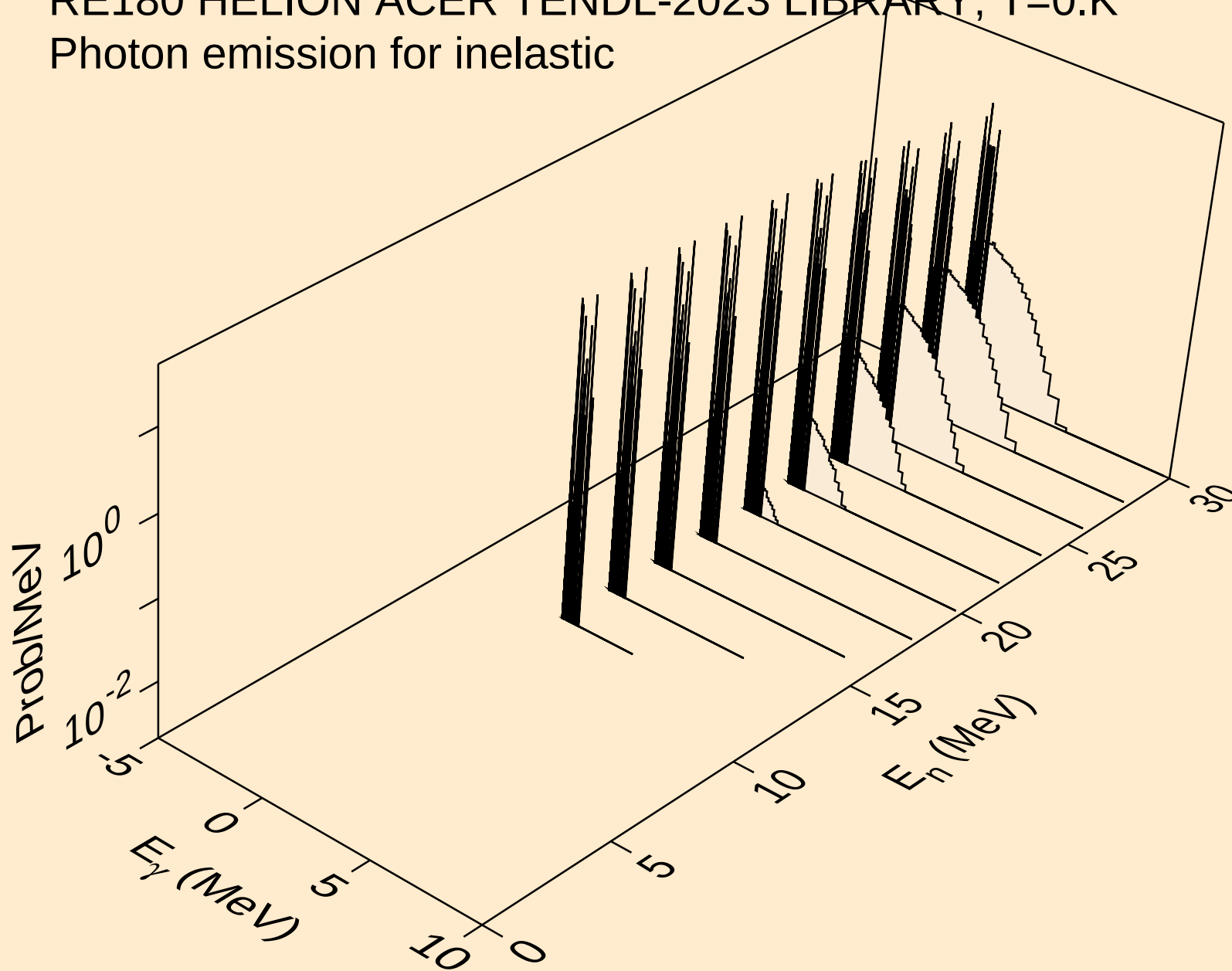
RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

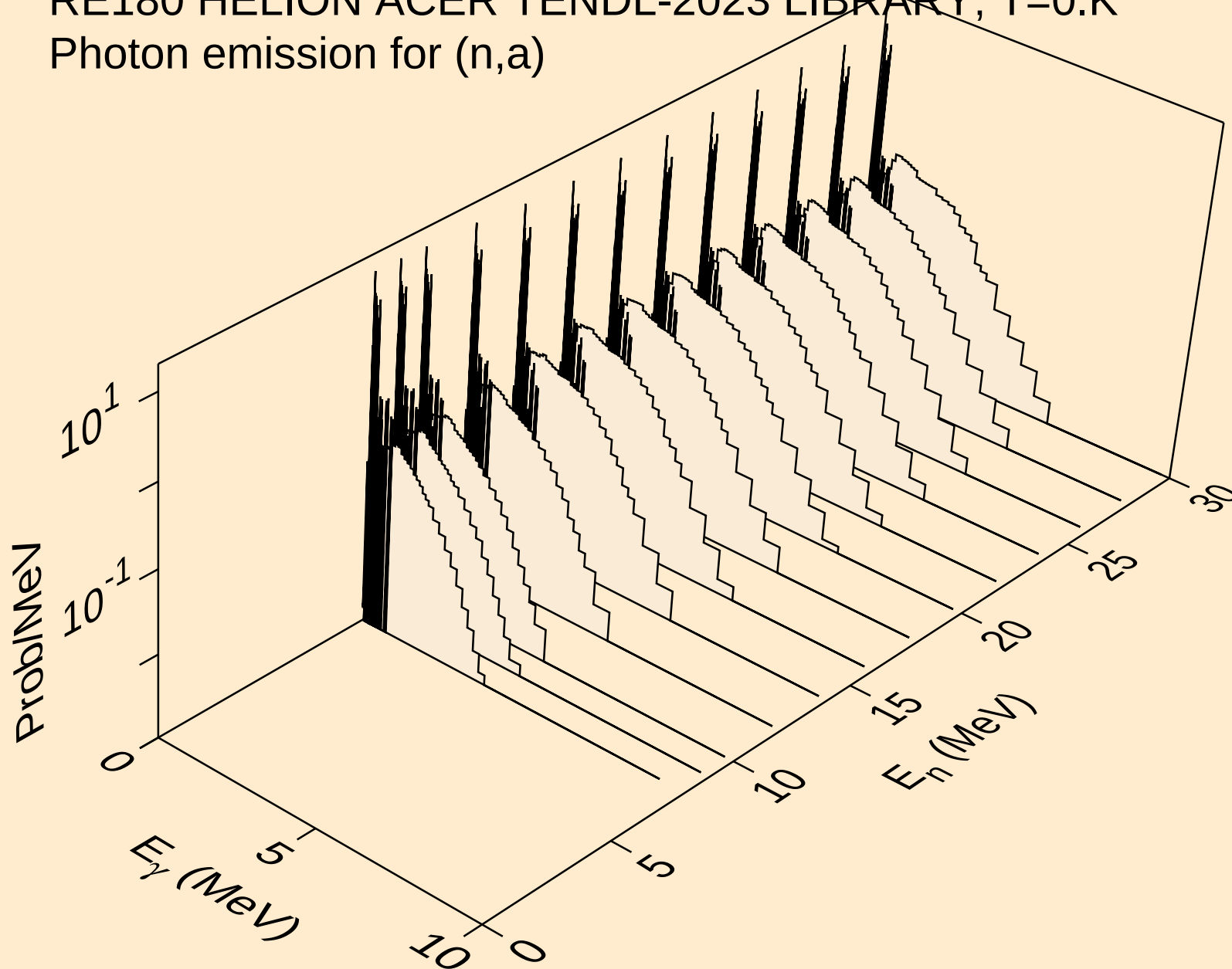


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Photon emission for inelastic



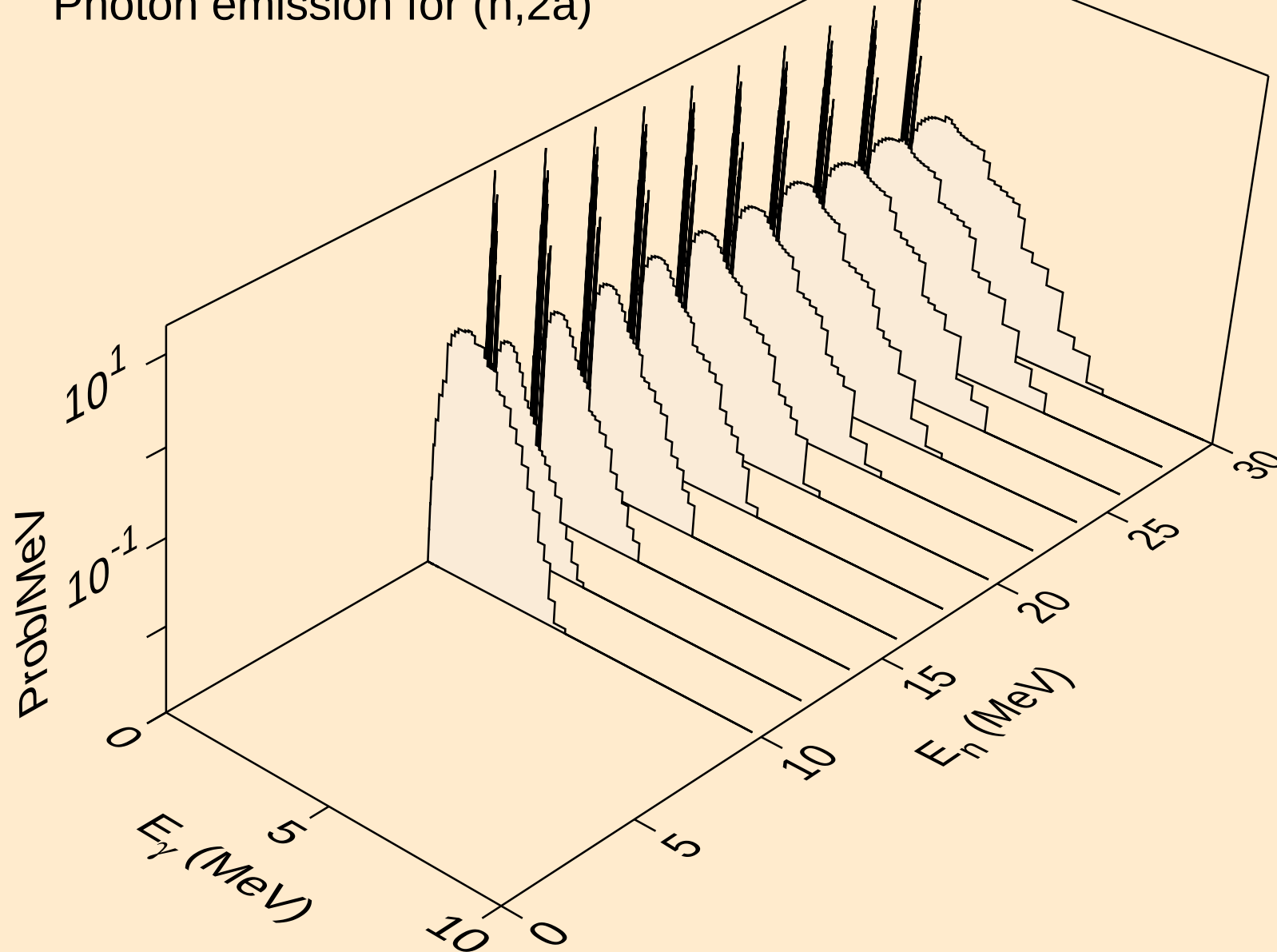
RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,a)



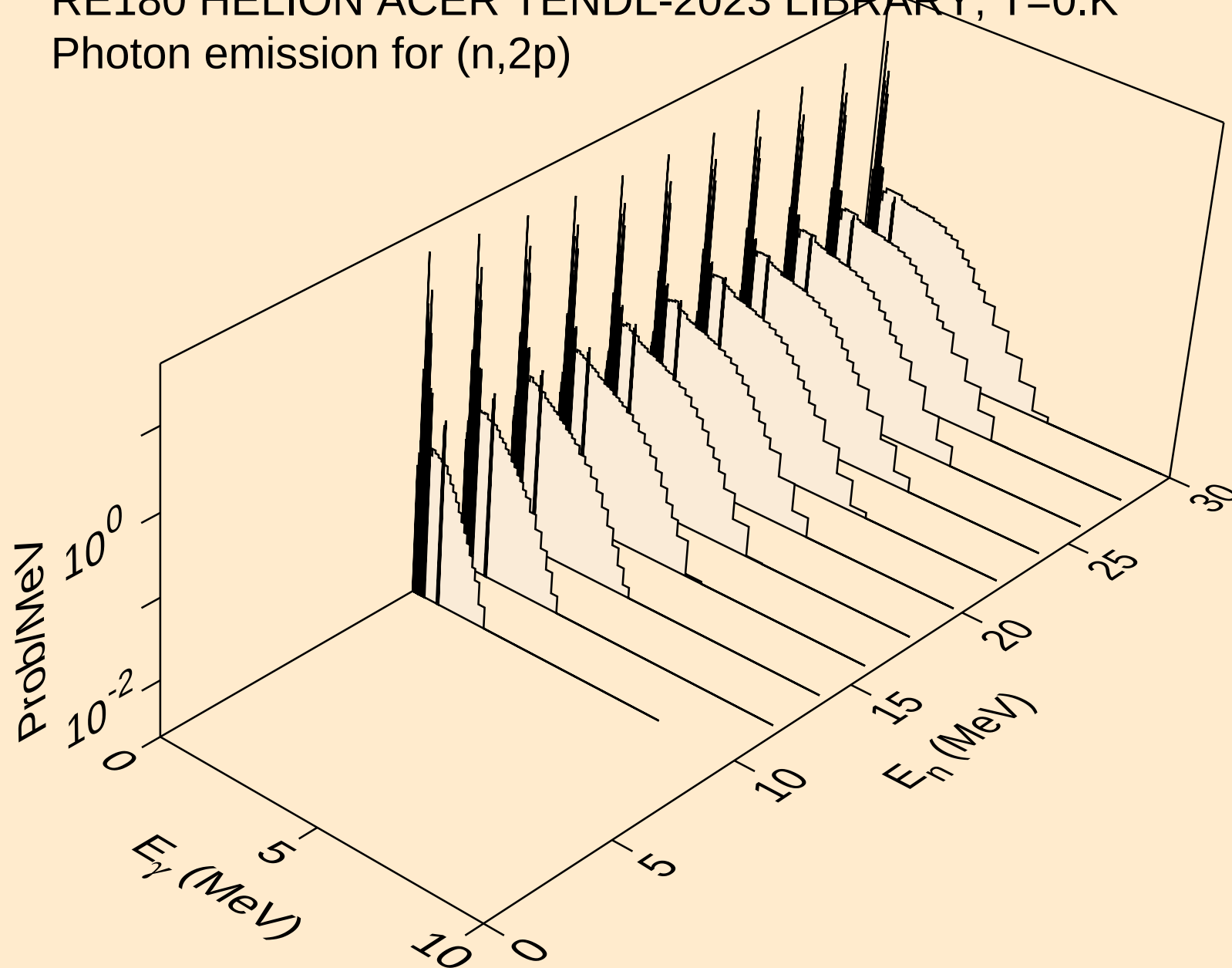
RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,2a)



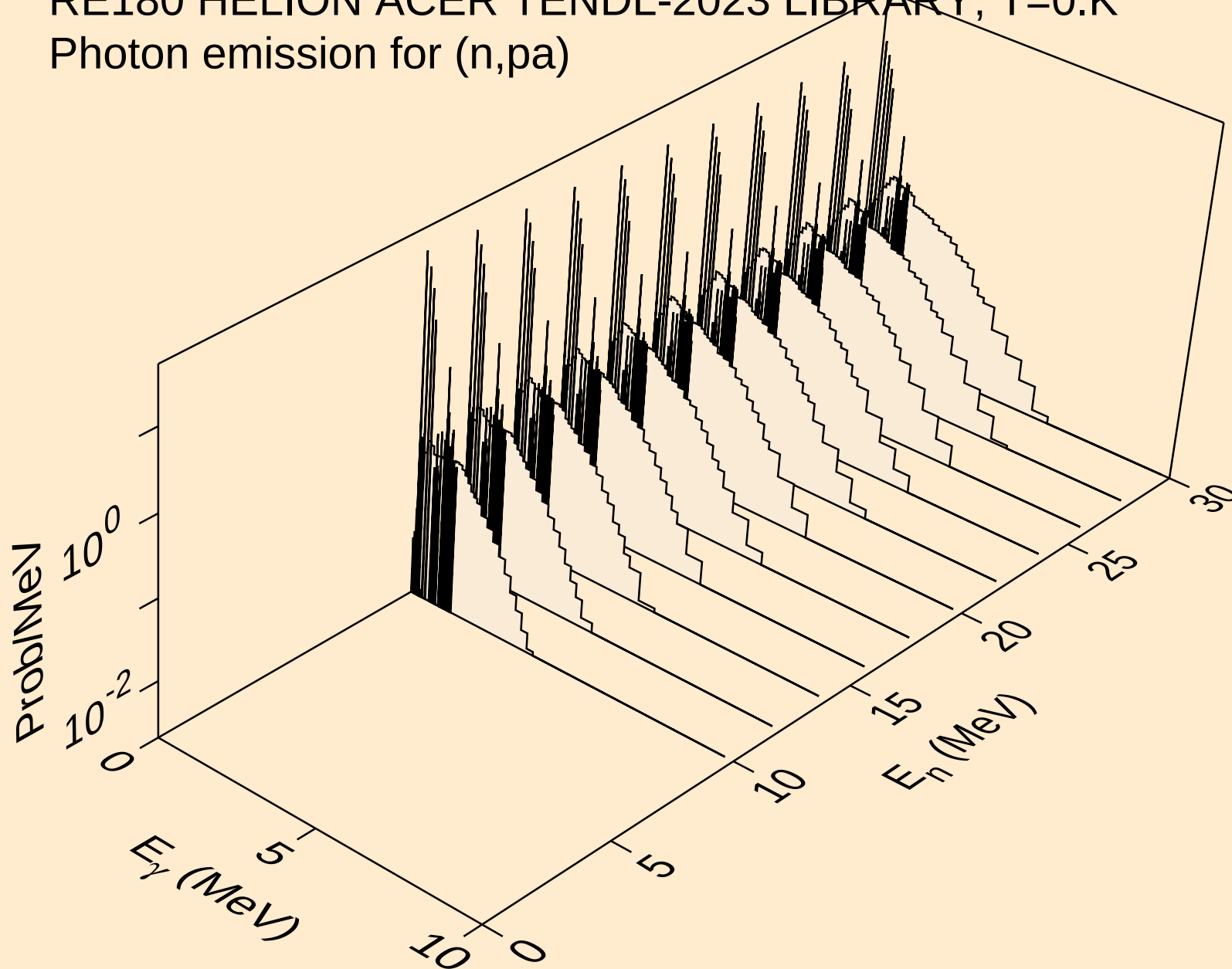
RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,2p)

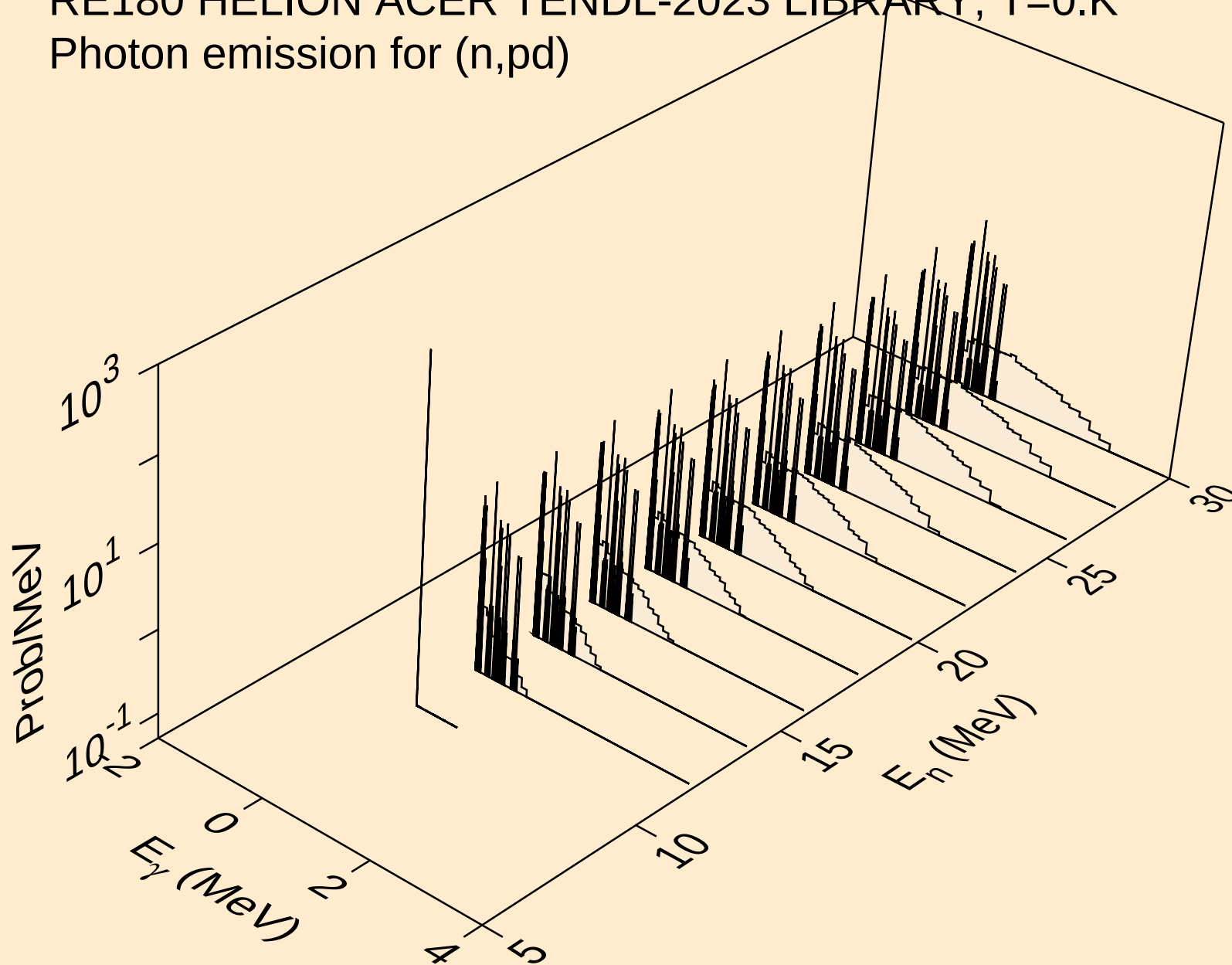


RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K

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

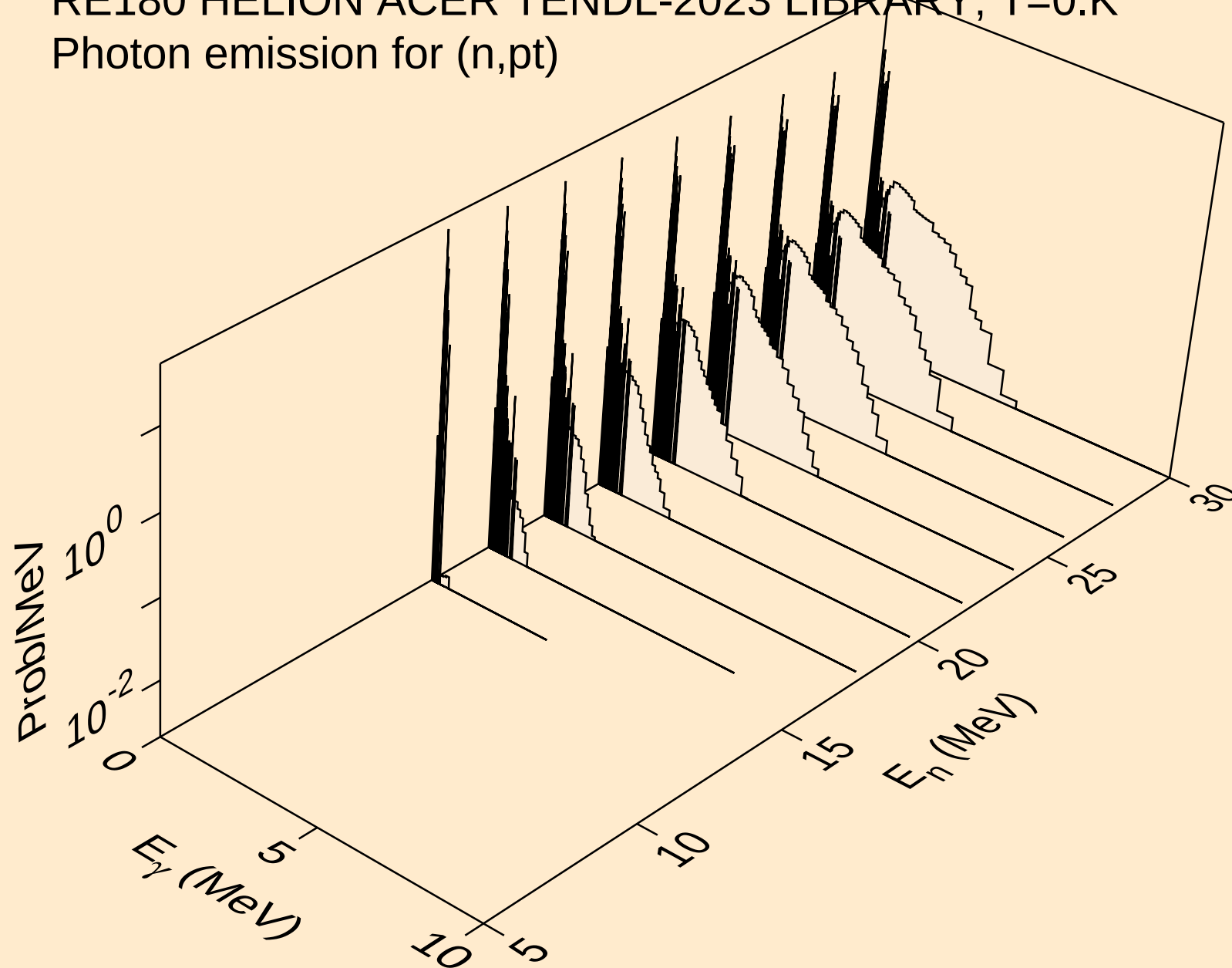


RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)

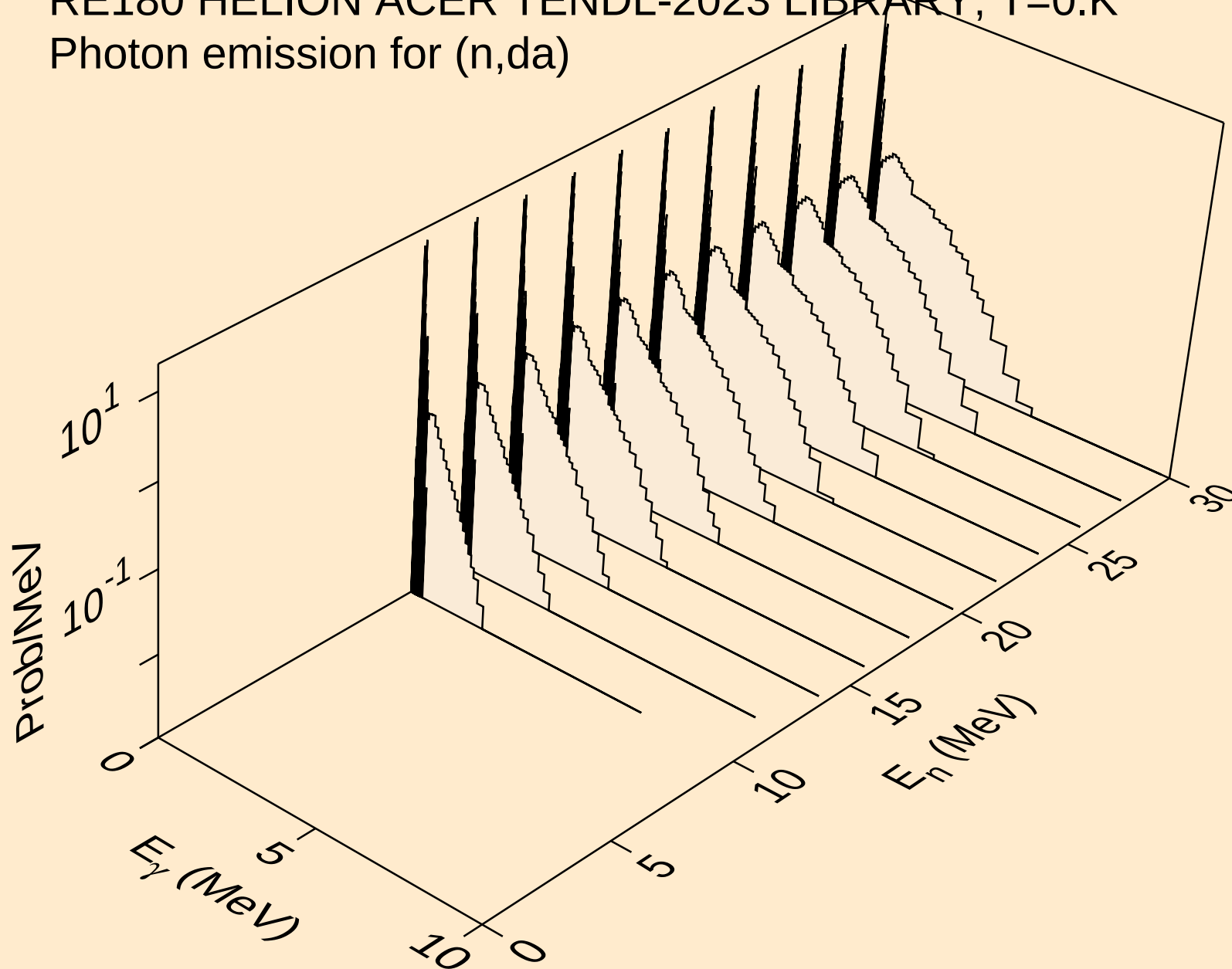


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Photon emission for (n,pt)

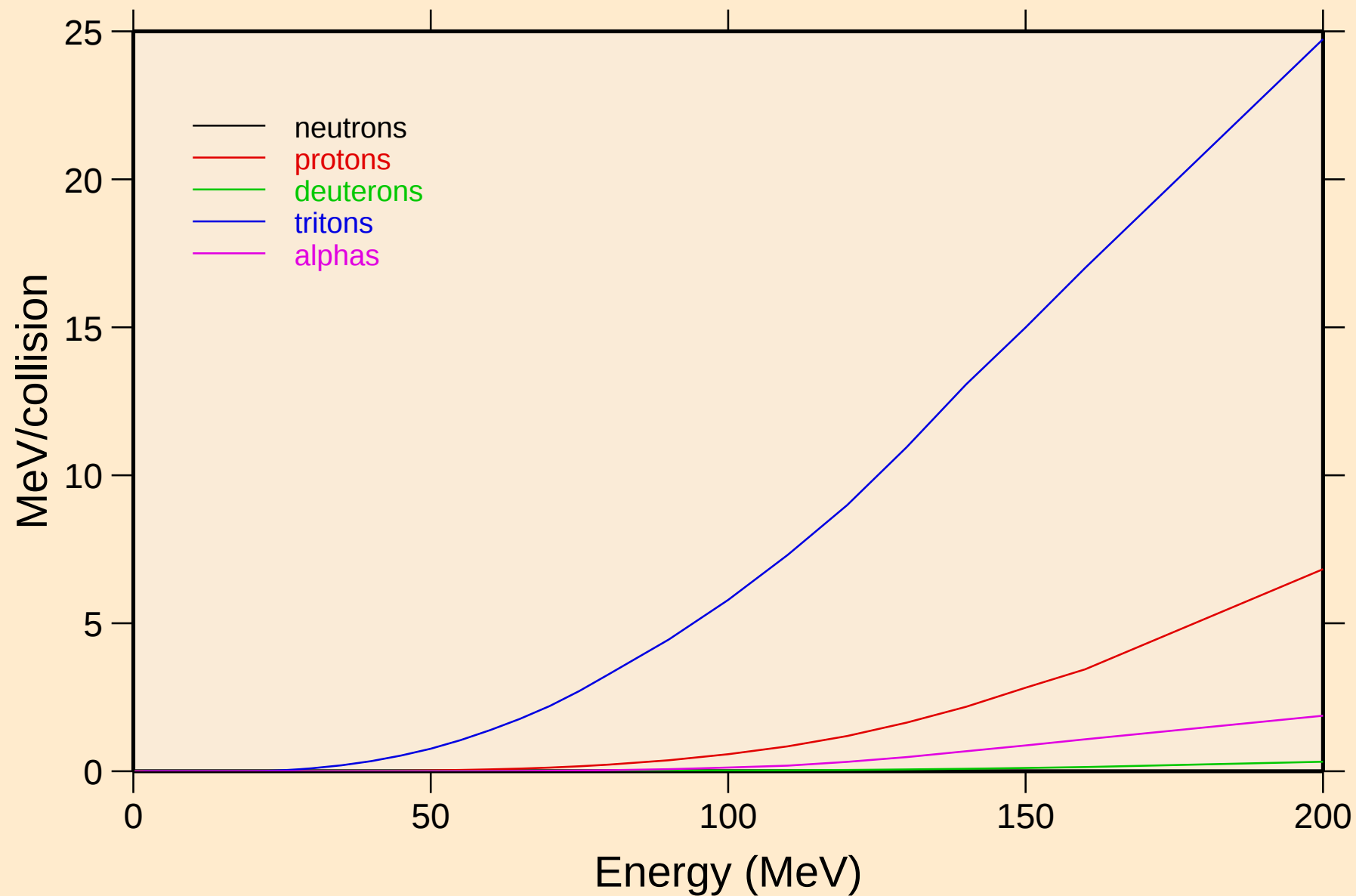


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Photon emission for (n,da)



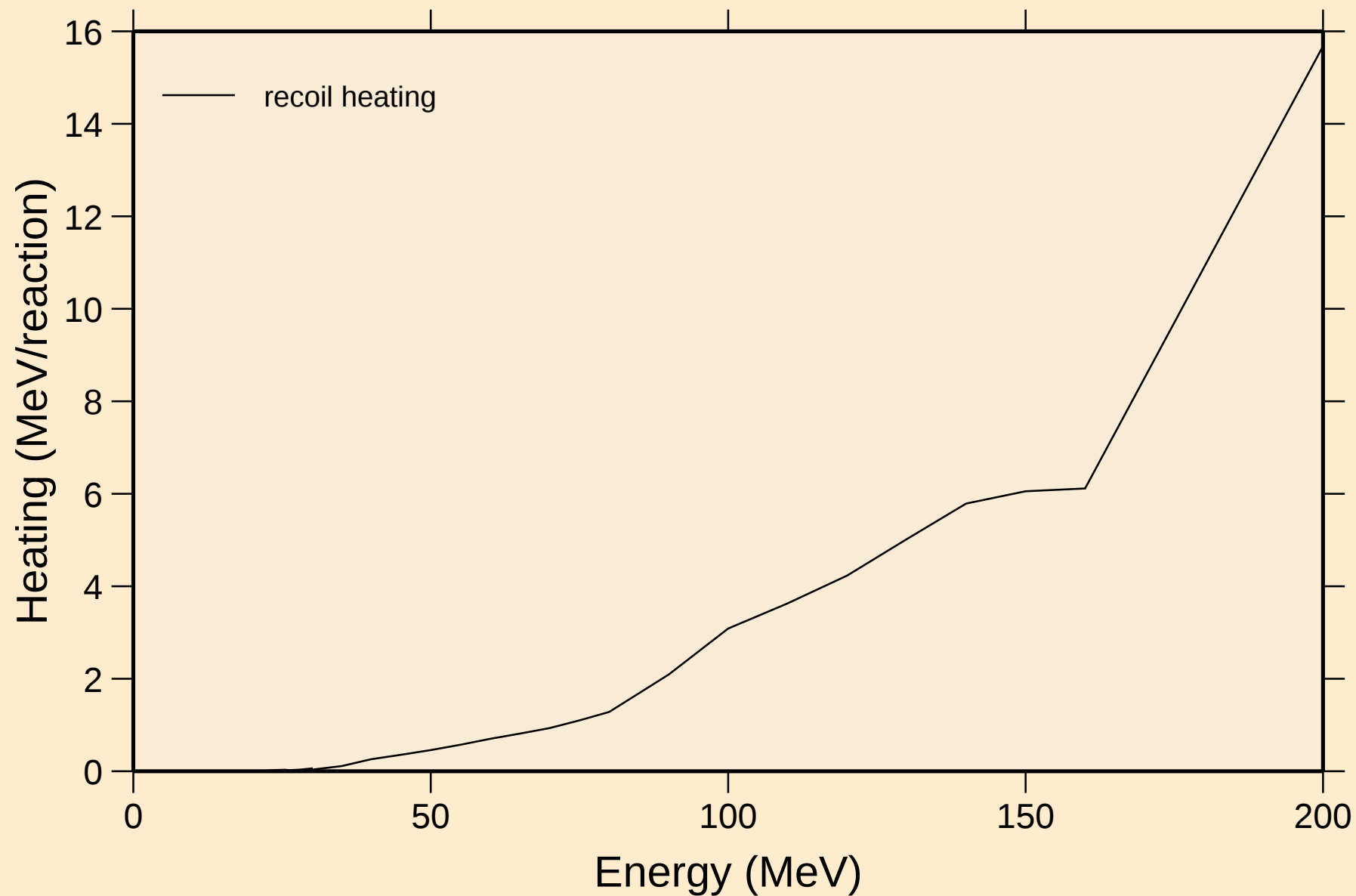
# RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions



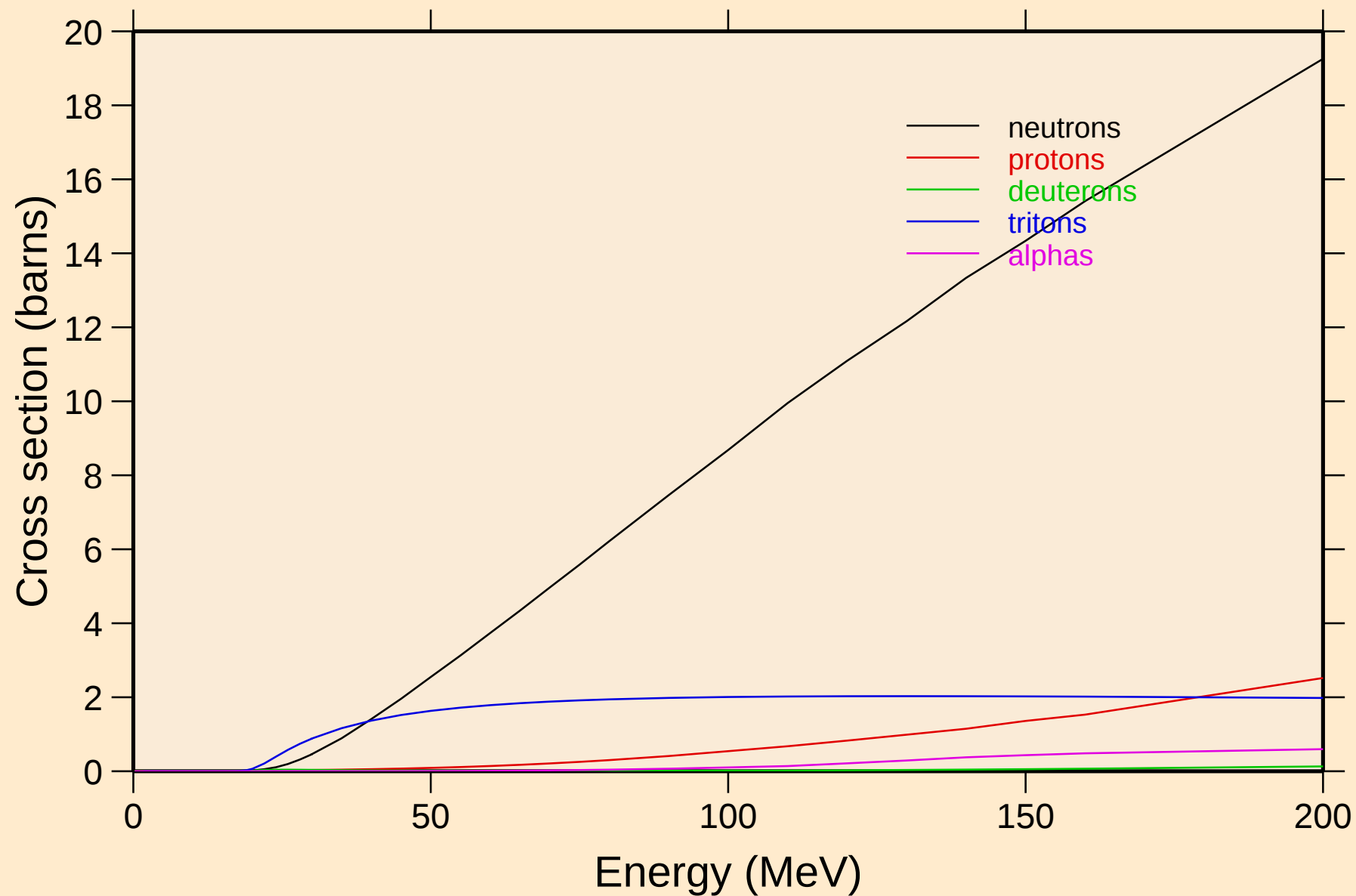
RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Recoil Heating

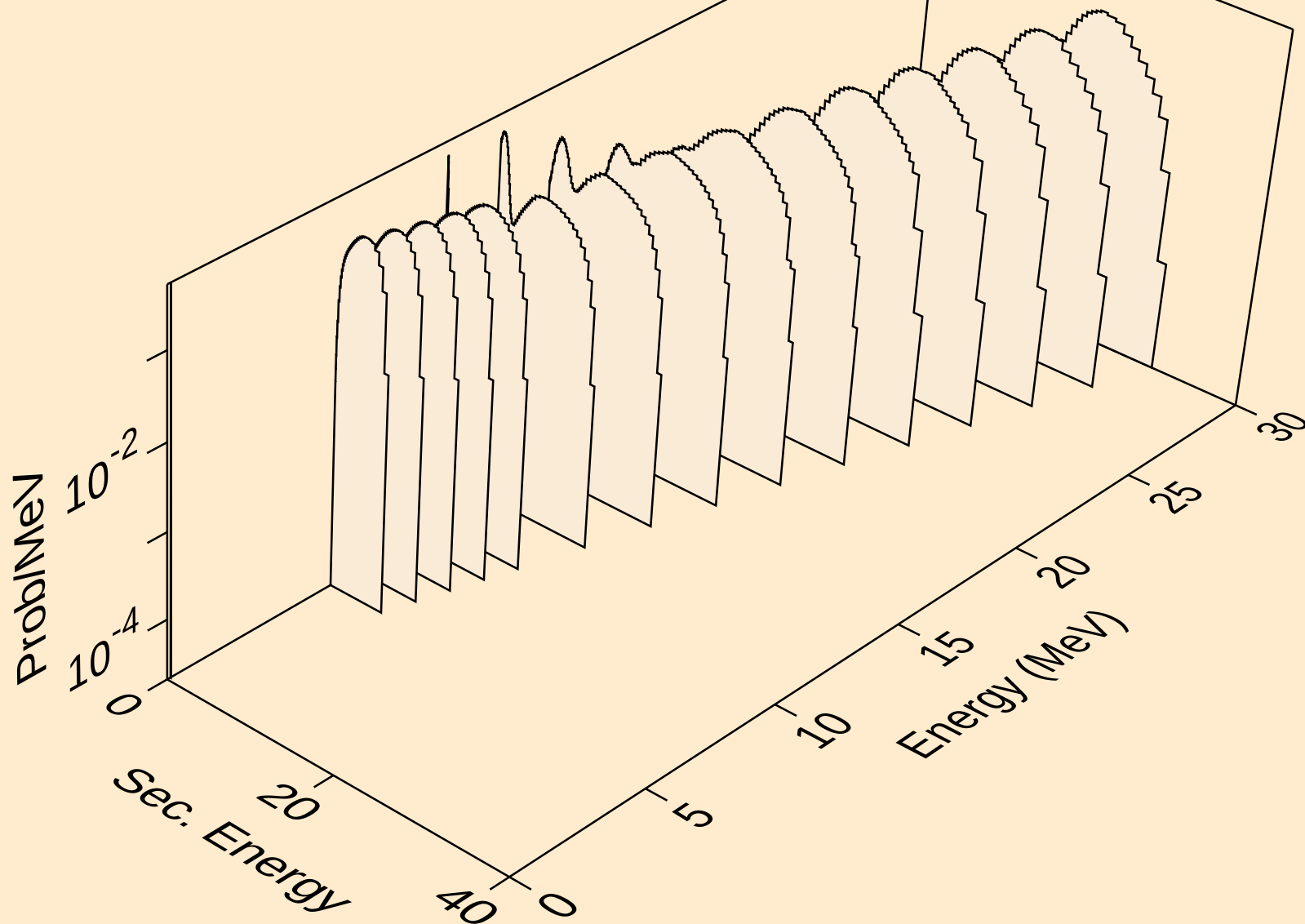


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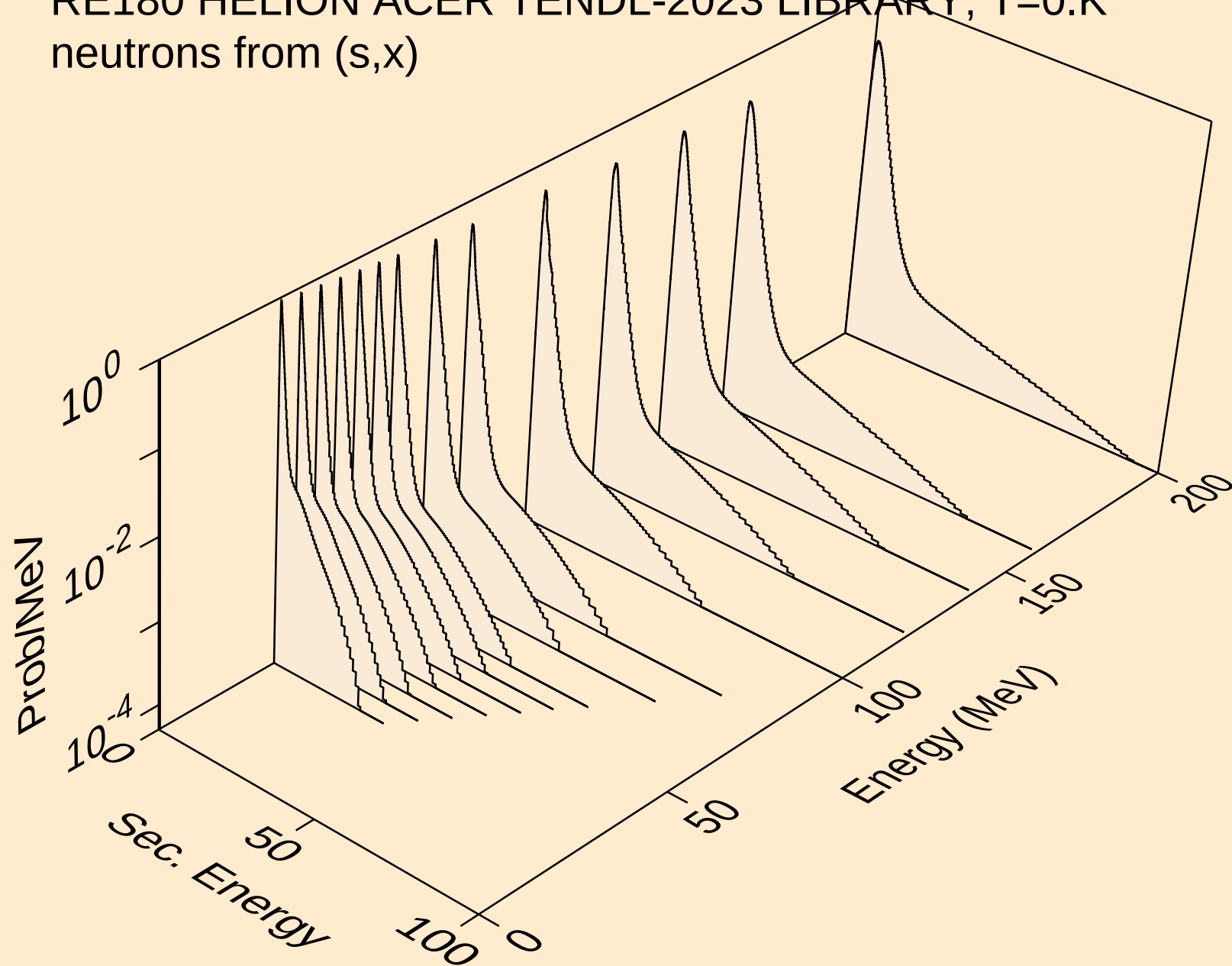
Particle production cross sections



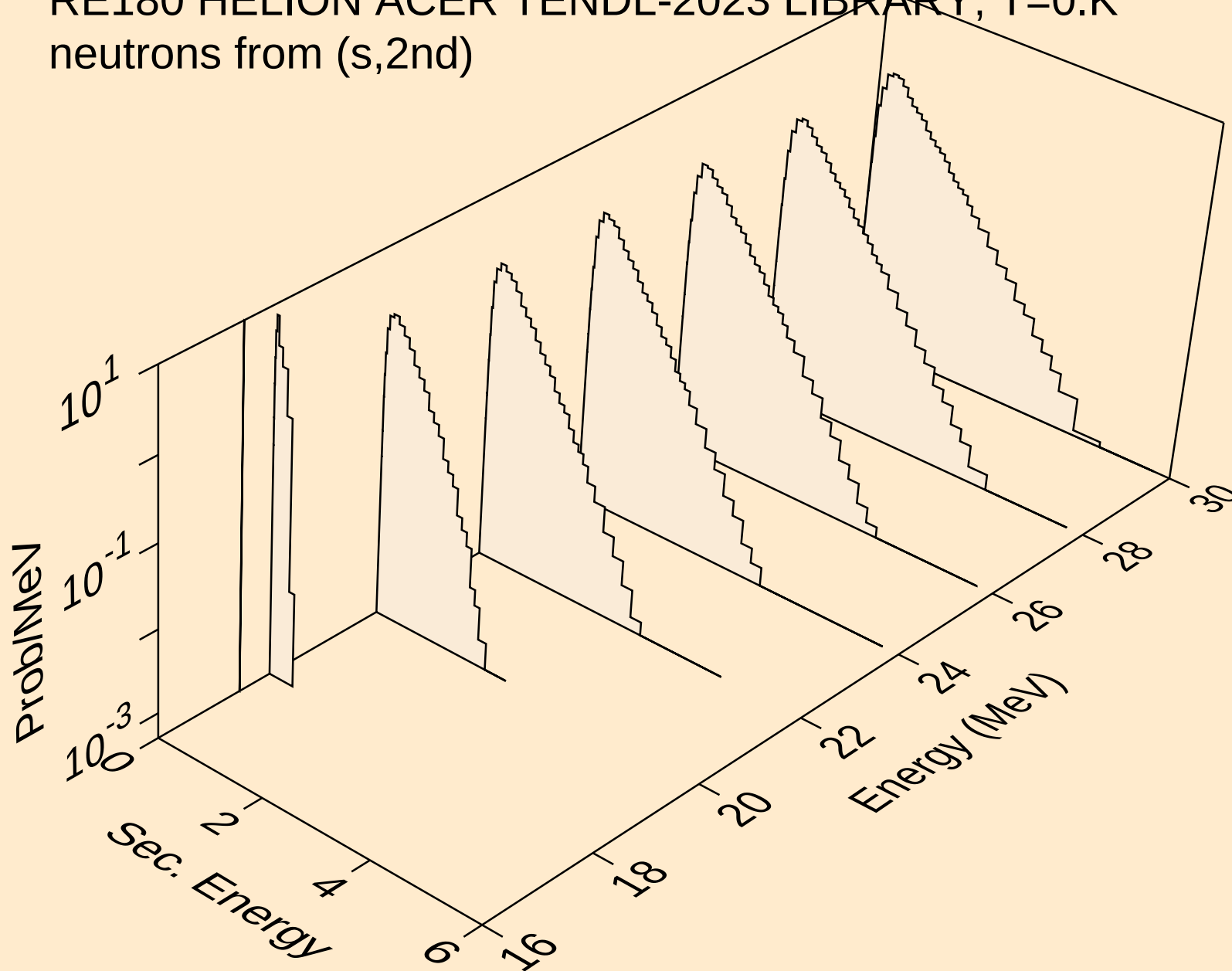
RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)



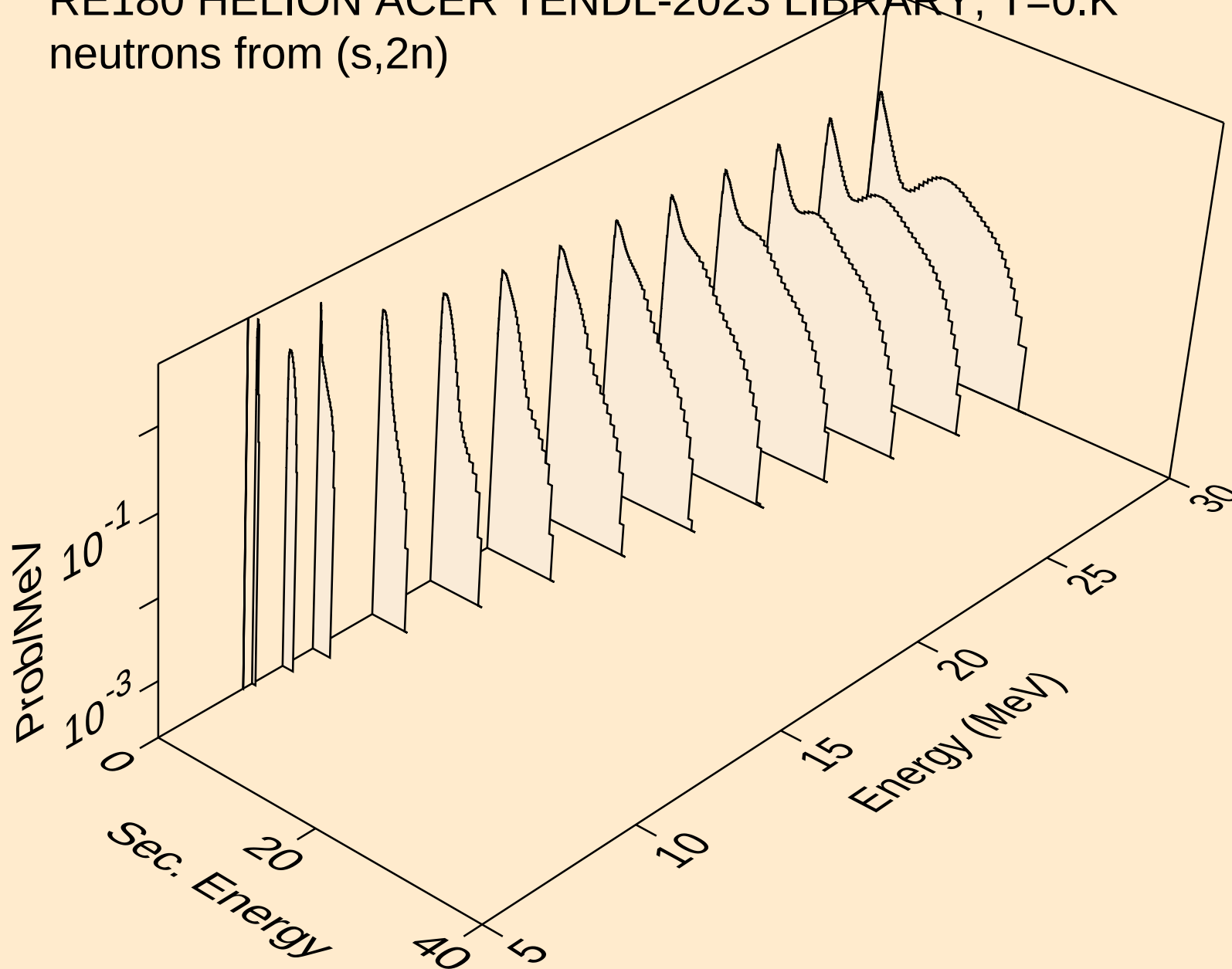
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neutrons from (s,x)



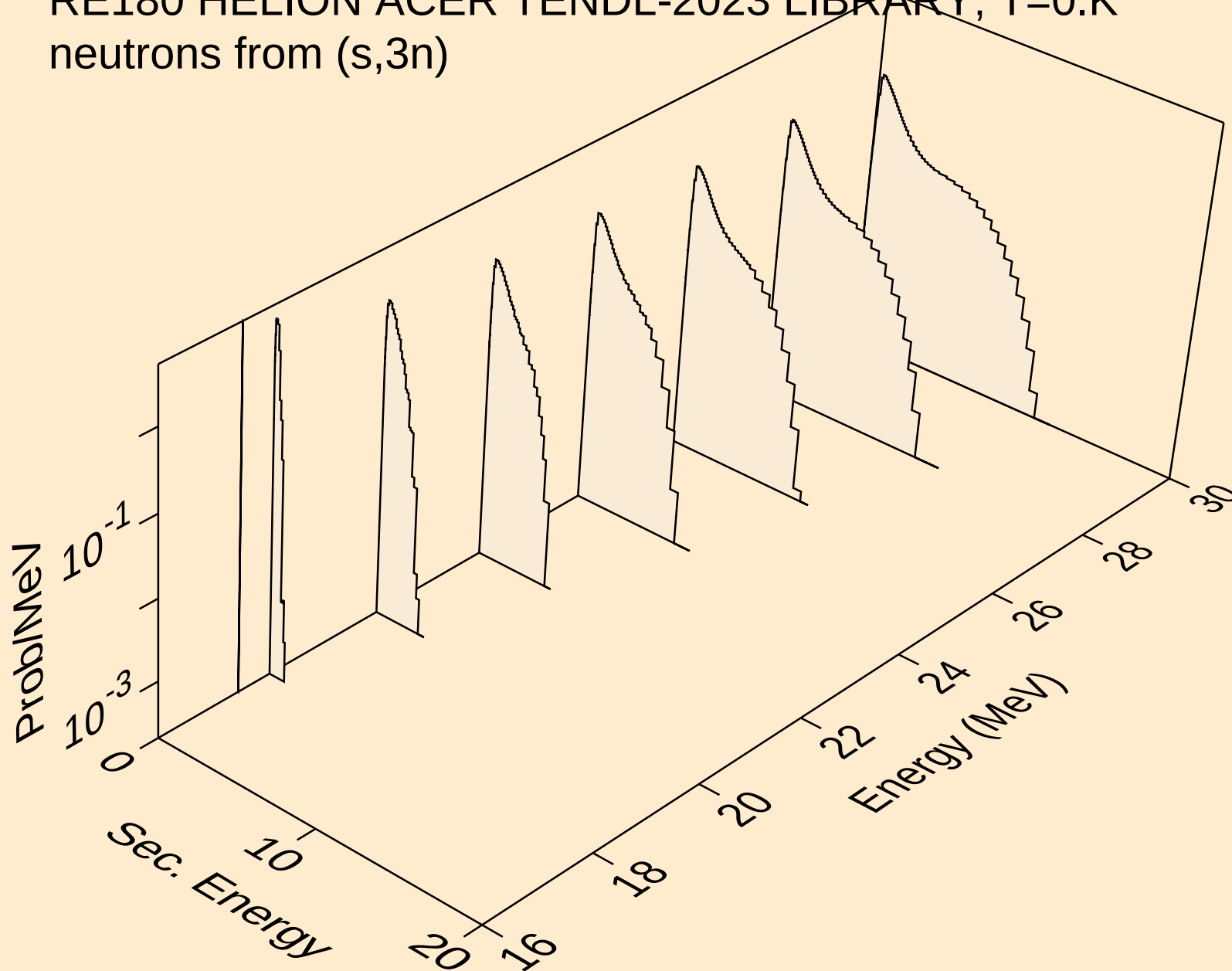
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neutrons from (s,2nd)



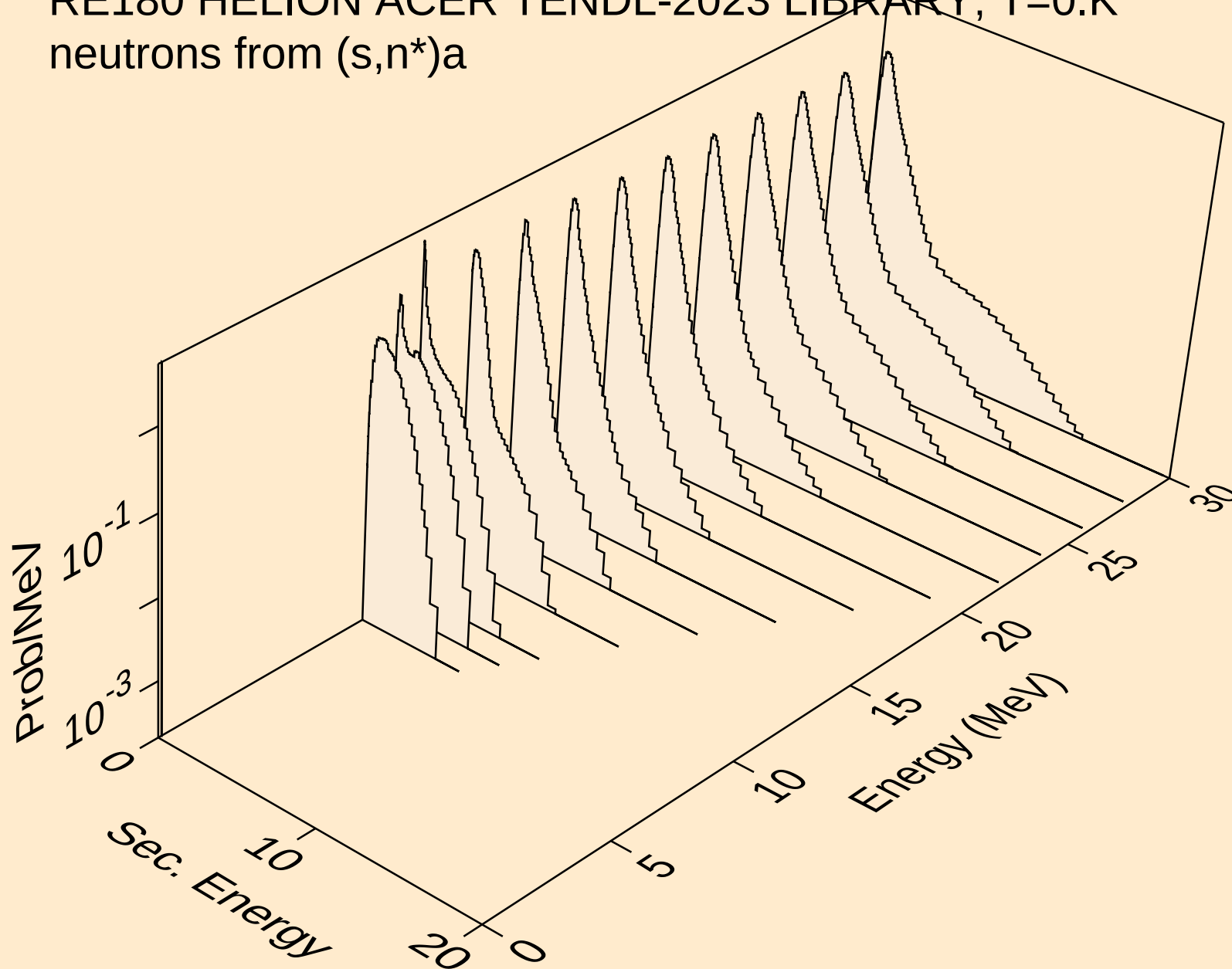
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neutrons from (s,2n)



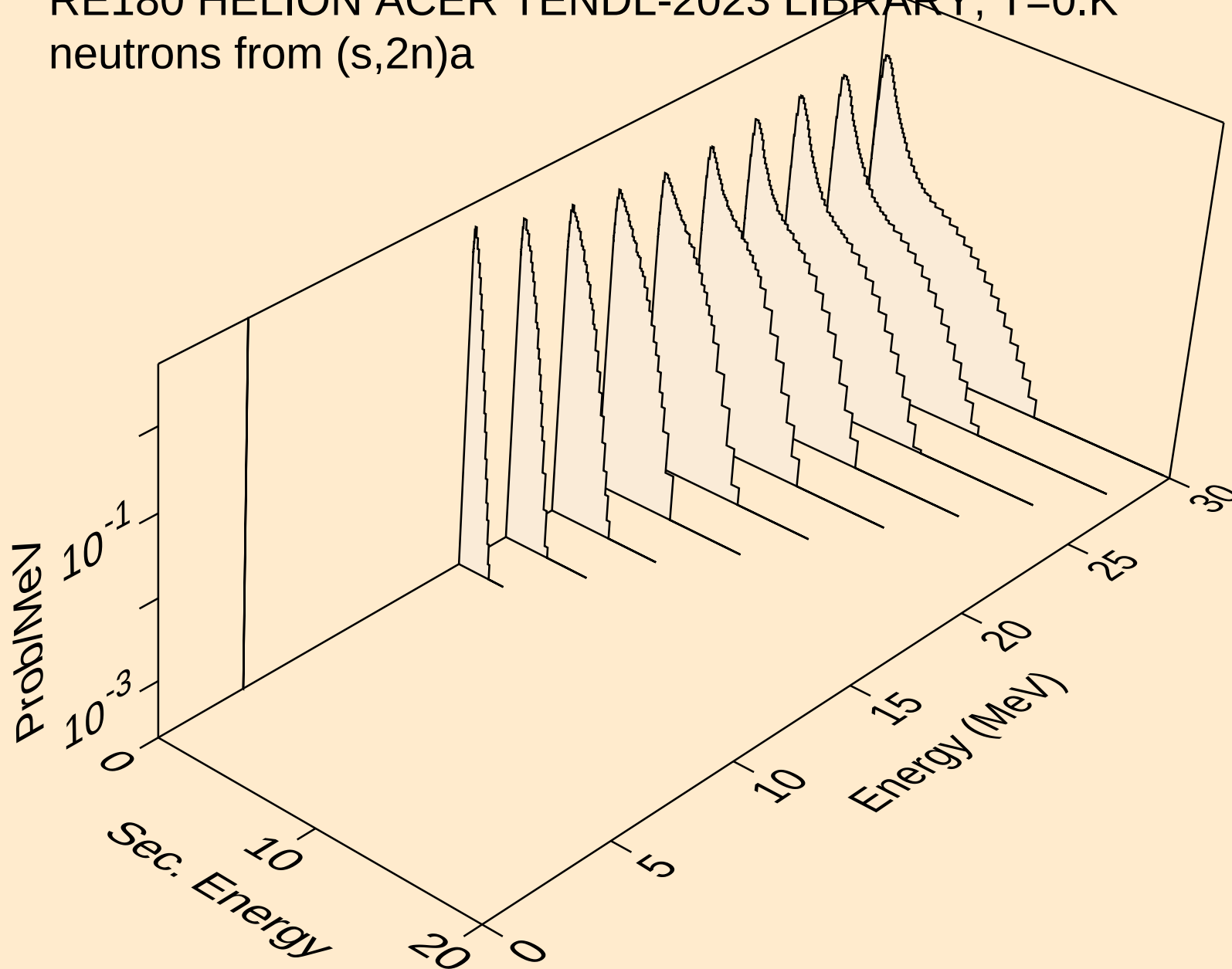
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neutrons from (s,3n)



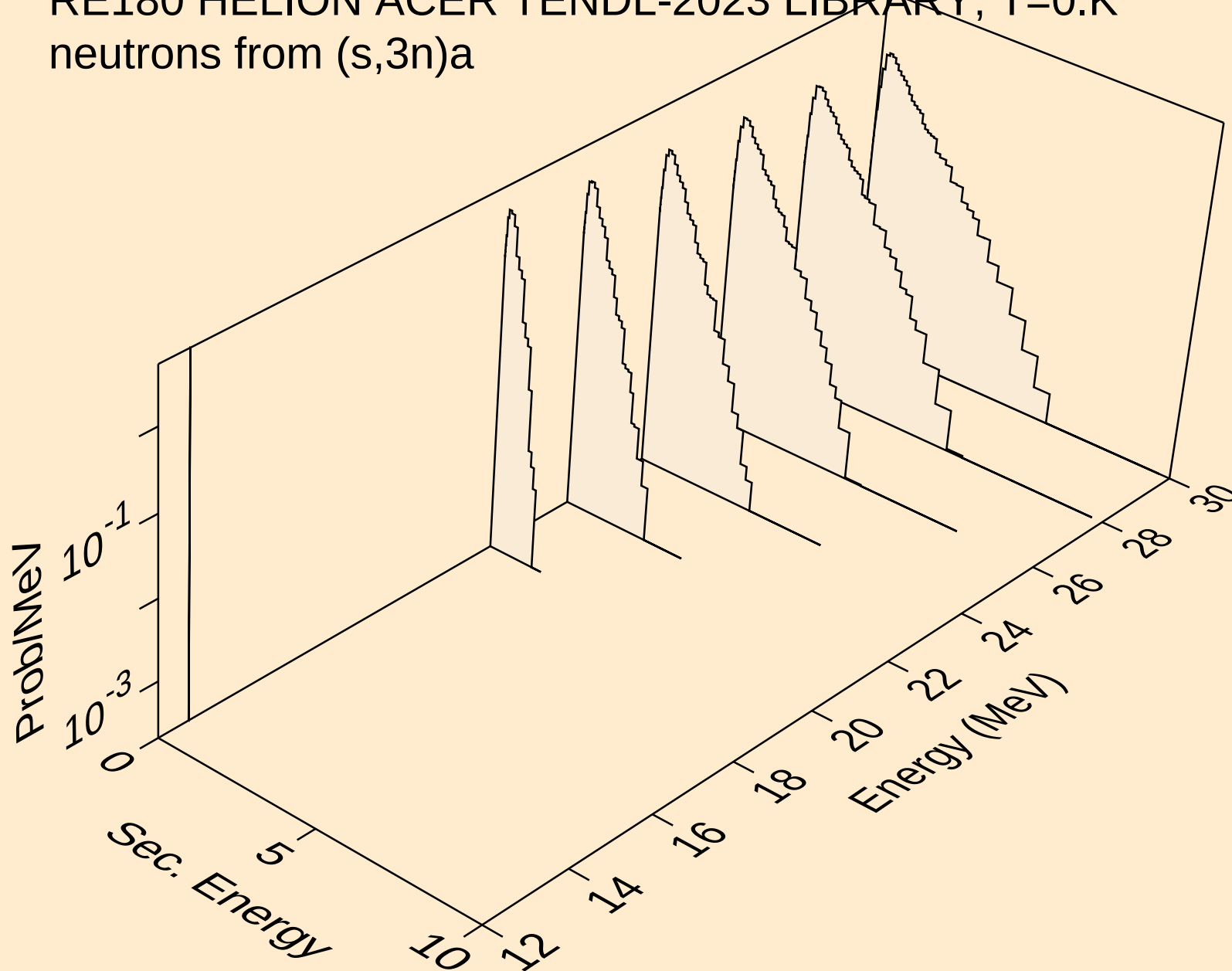
RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)a



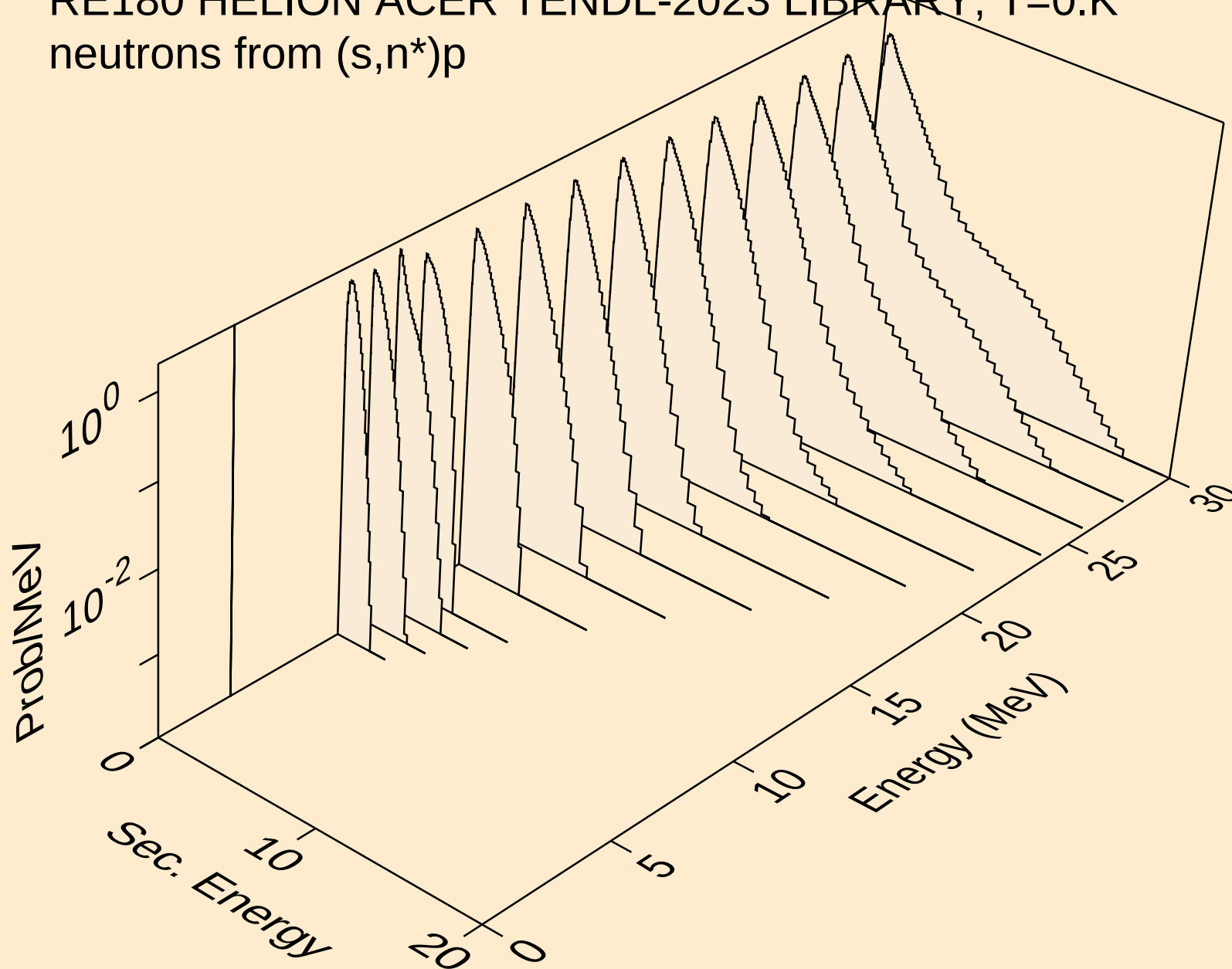
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neutrons from (s,2n)a



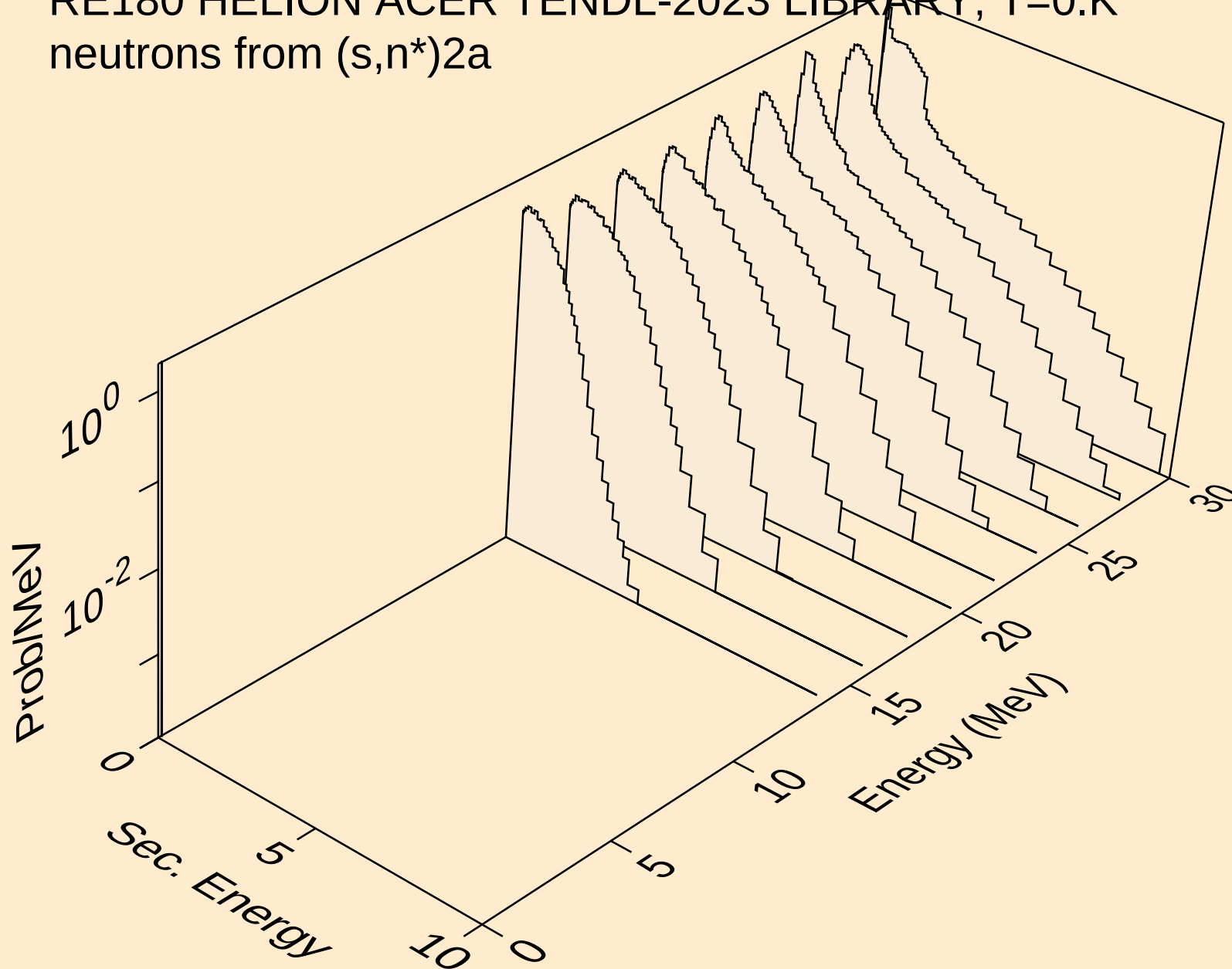
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neutrons from (s,3n)a



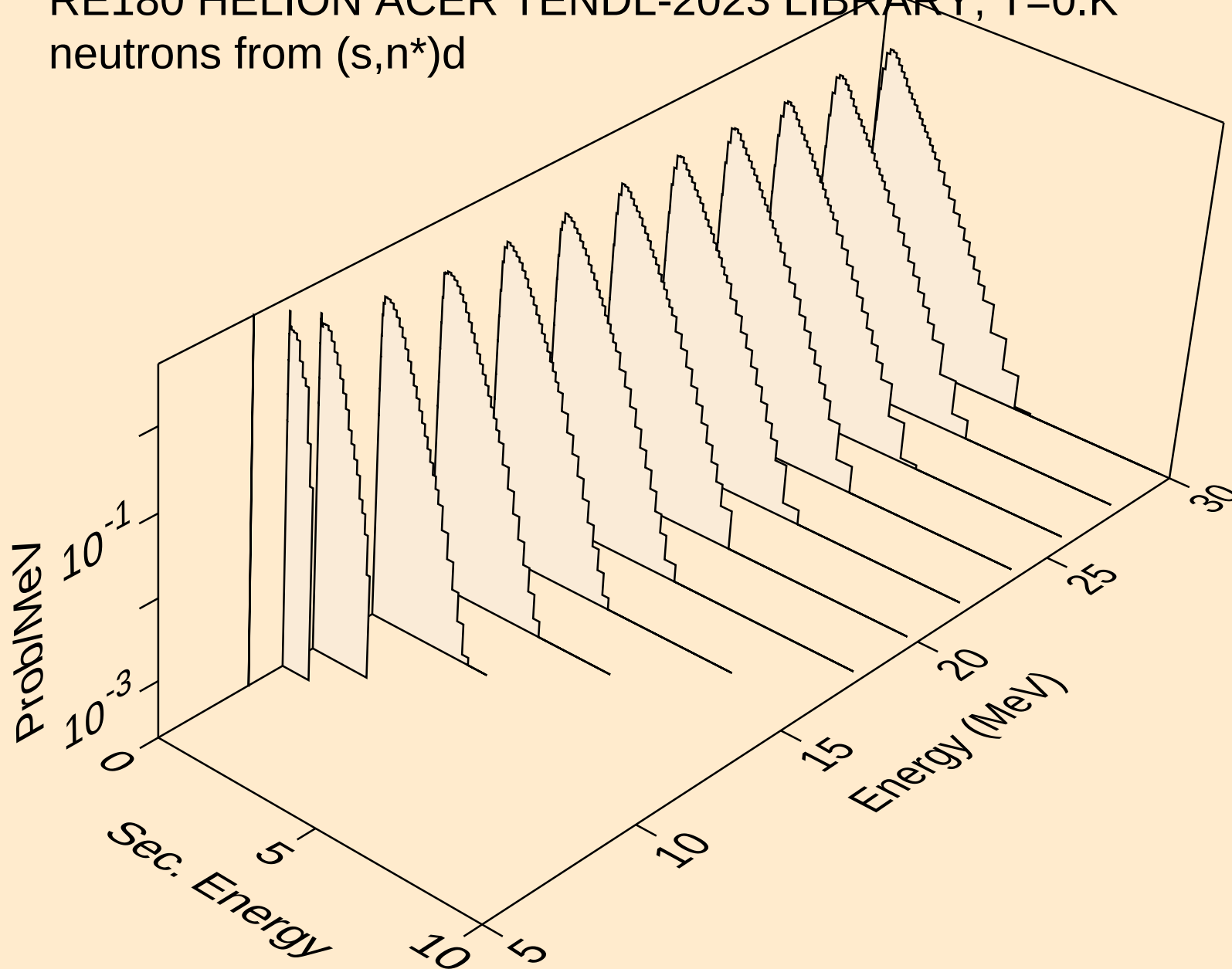
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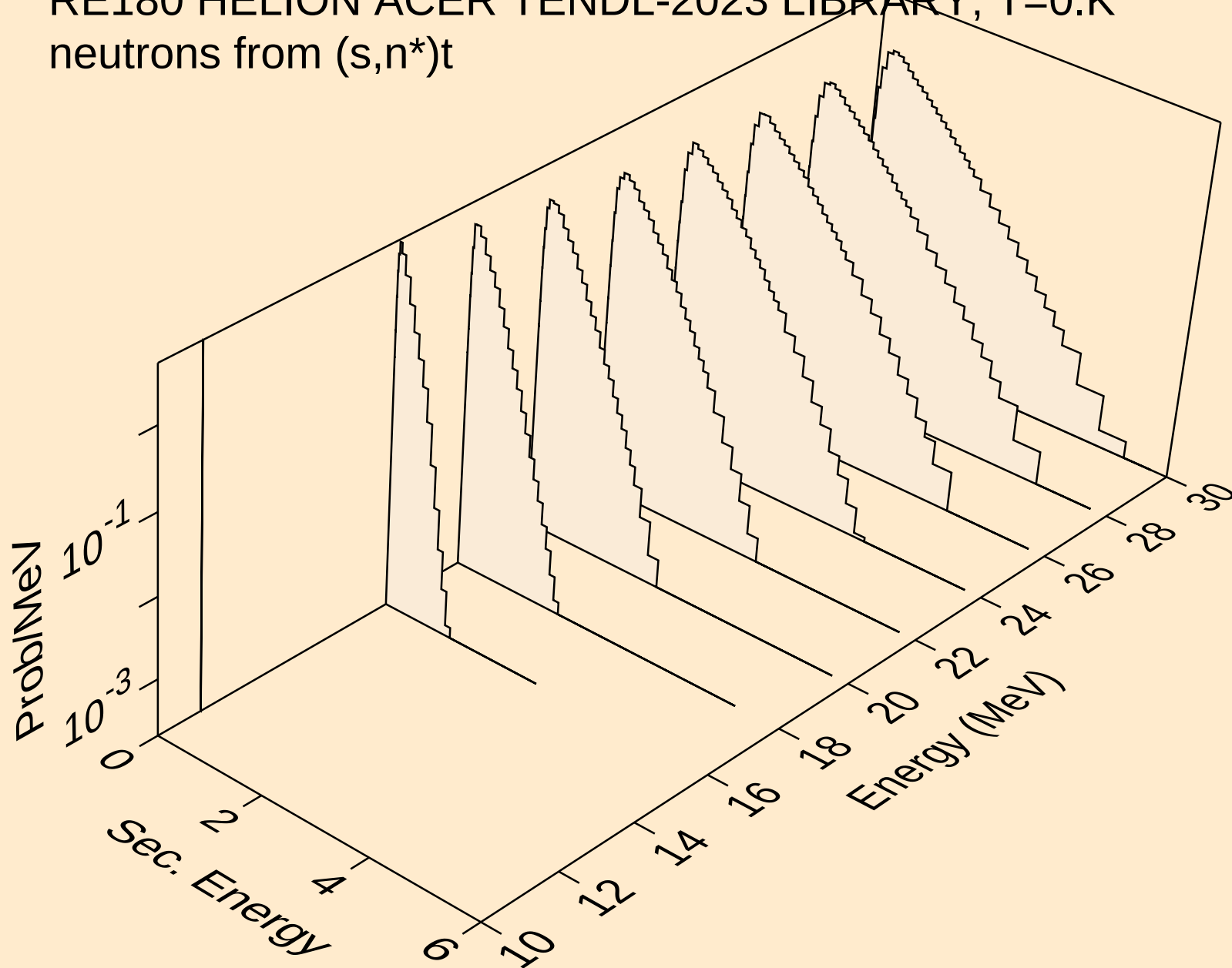
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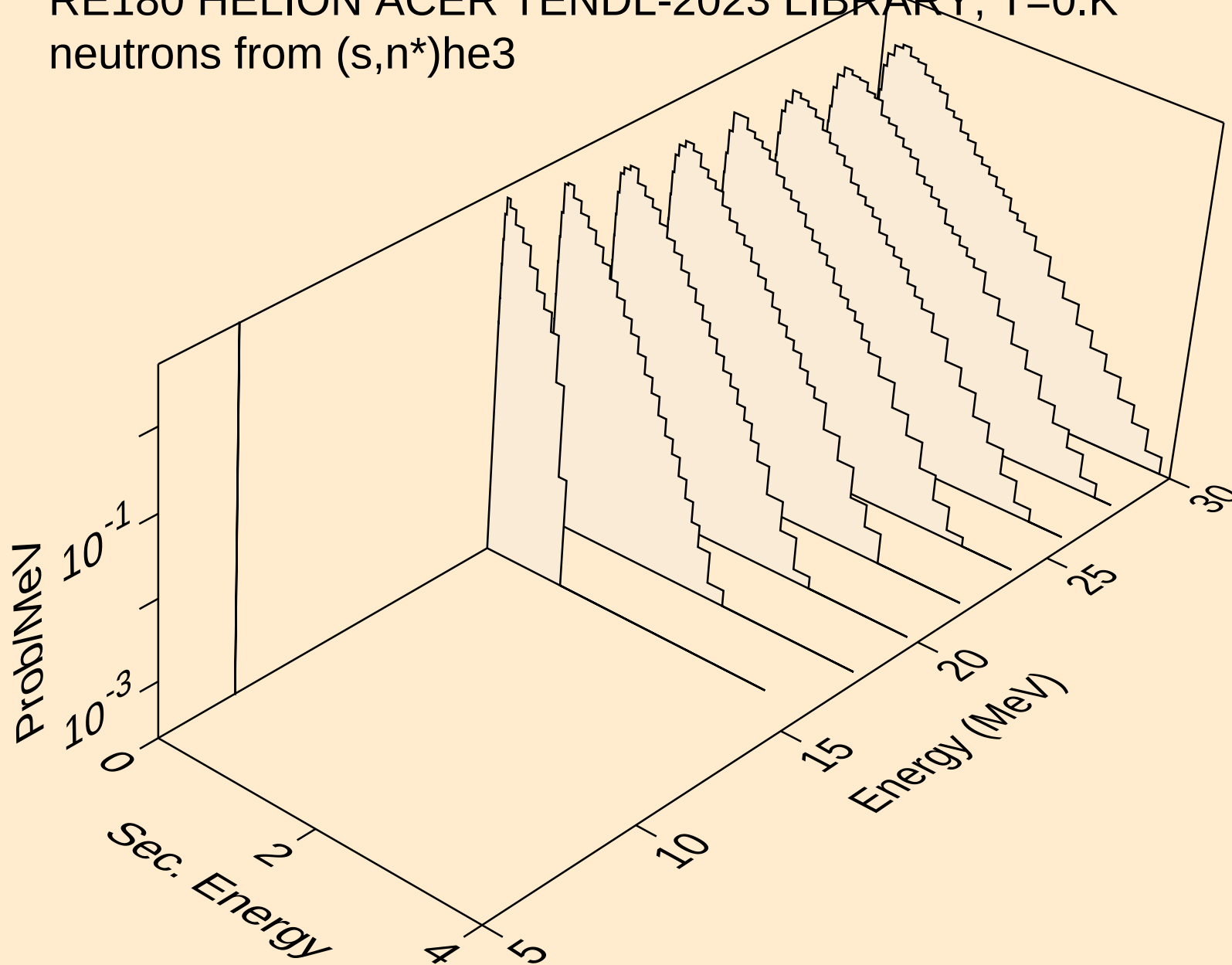
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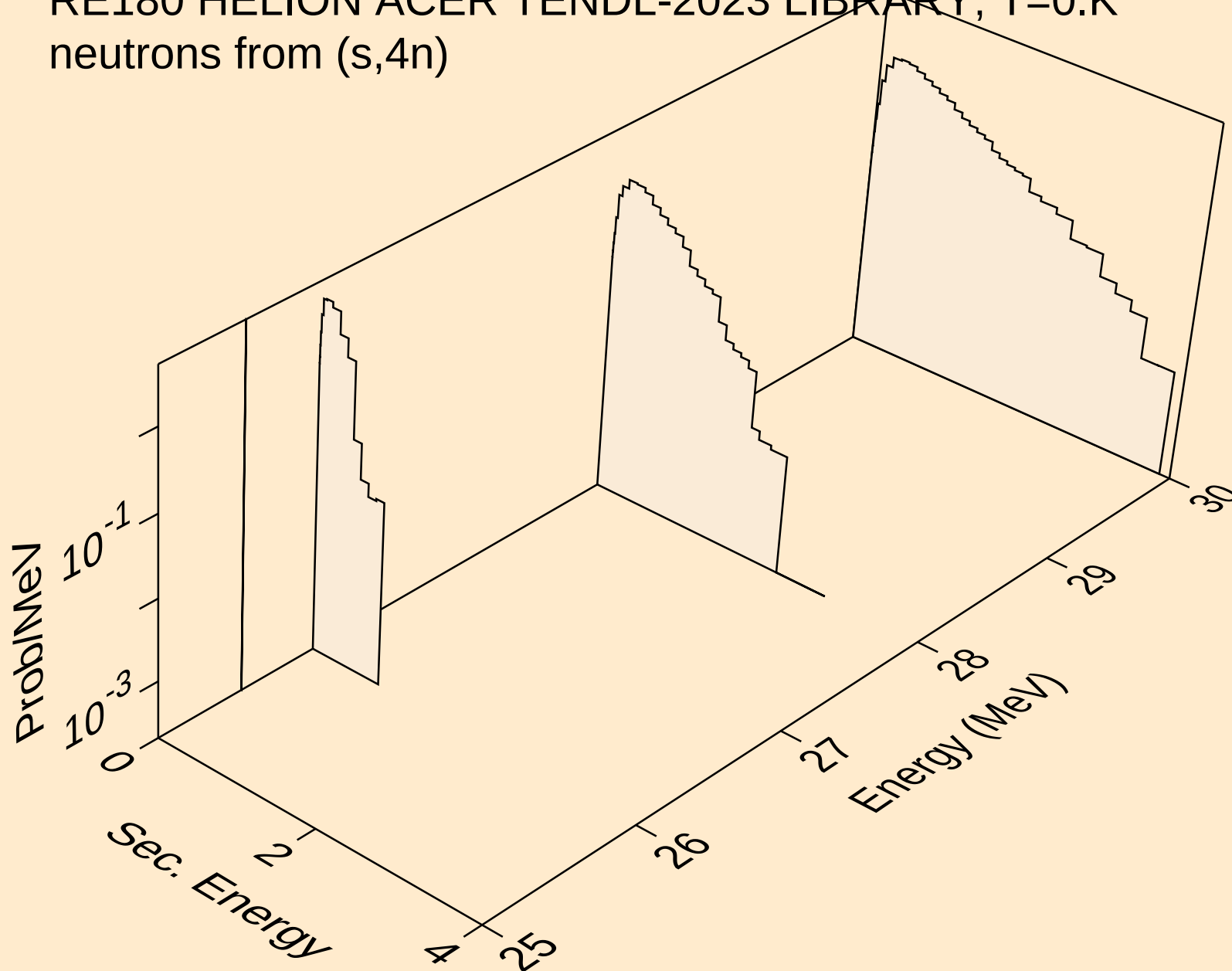
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neutrons from (s,n\*)t



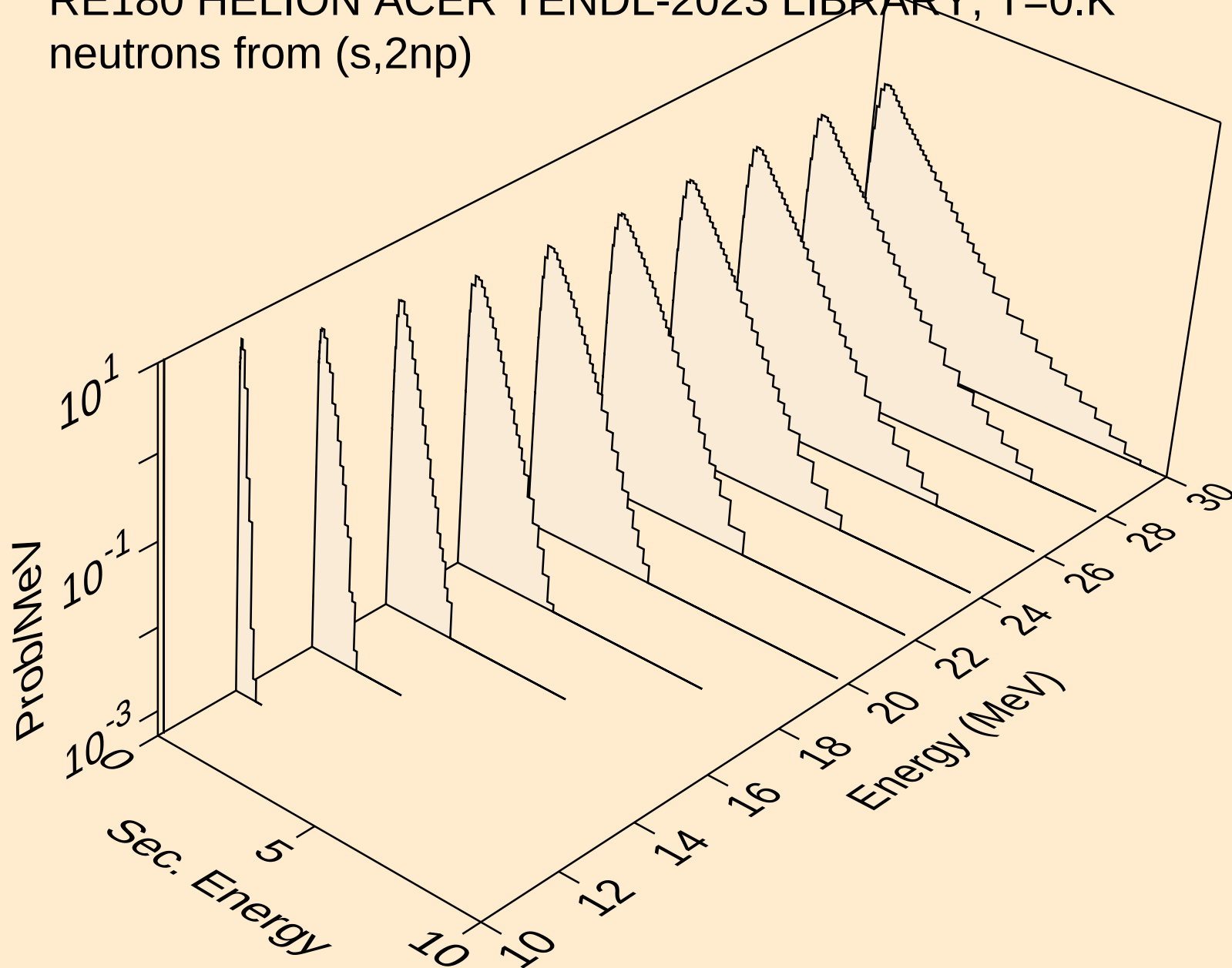
RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3



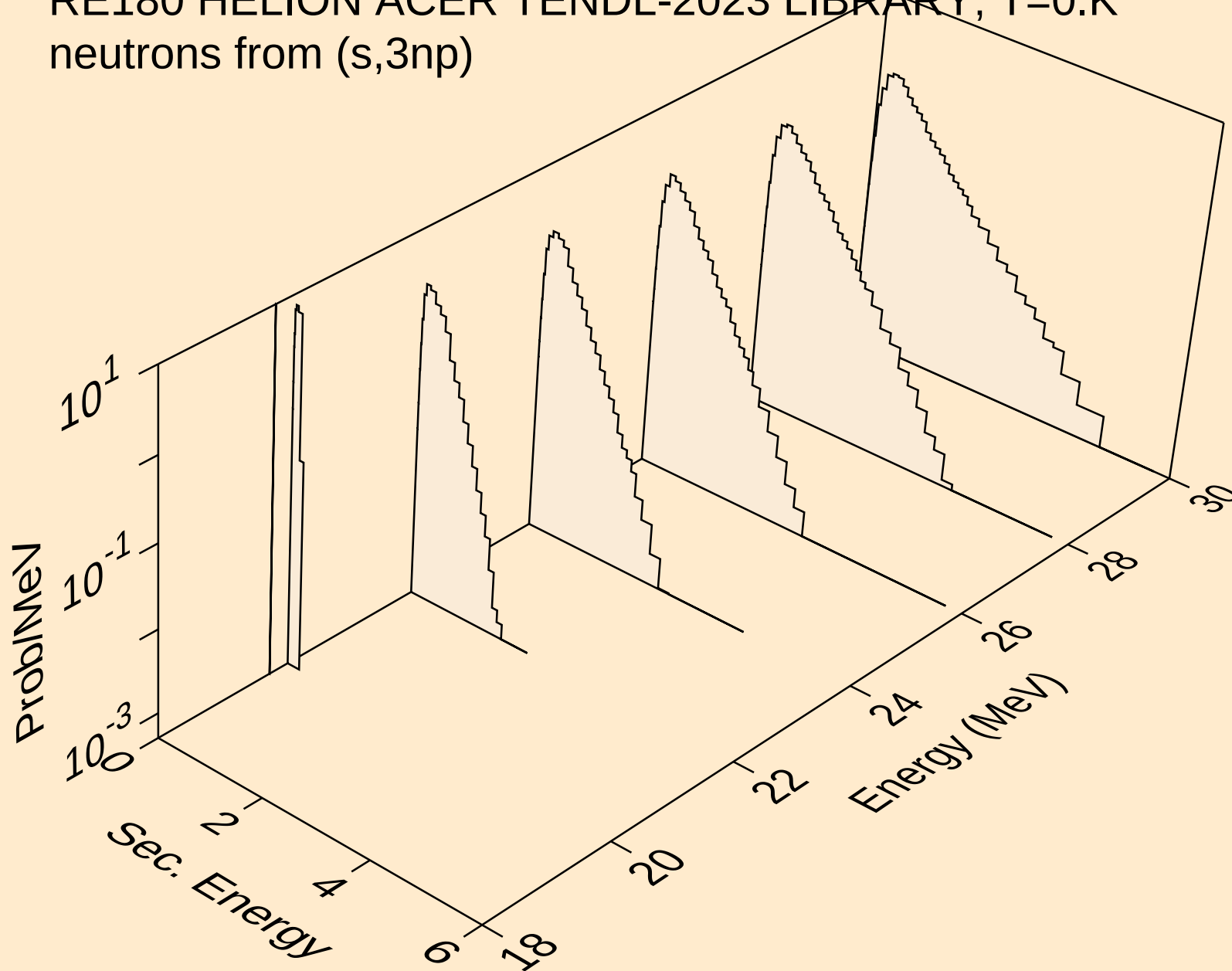
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neutrons from (s,4n)



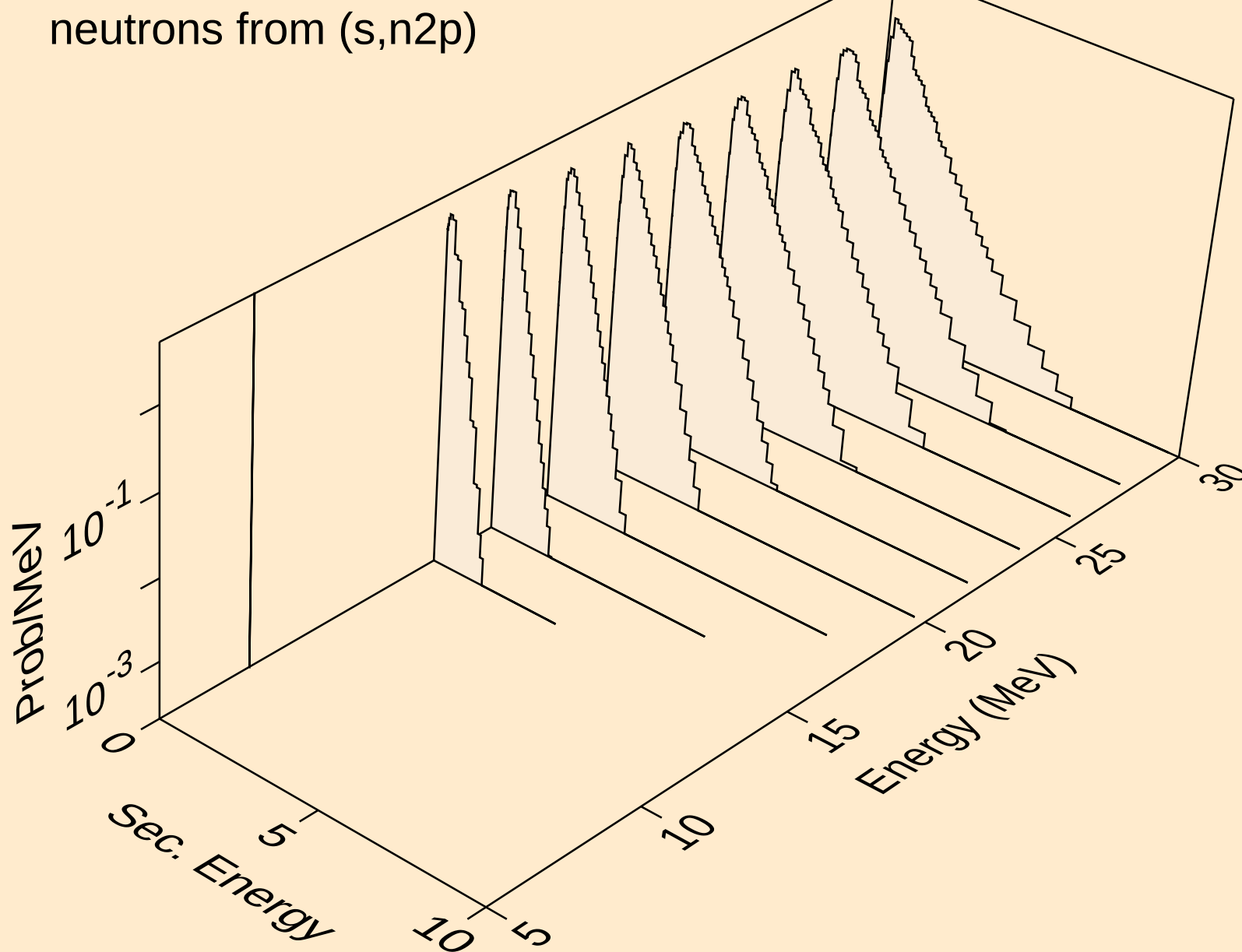
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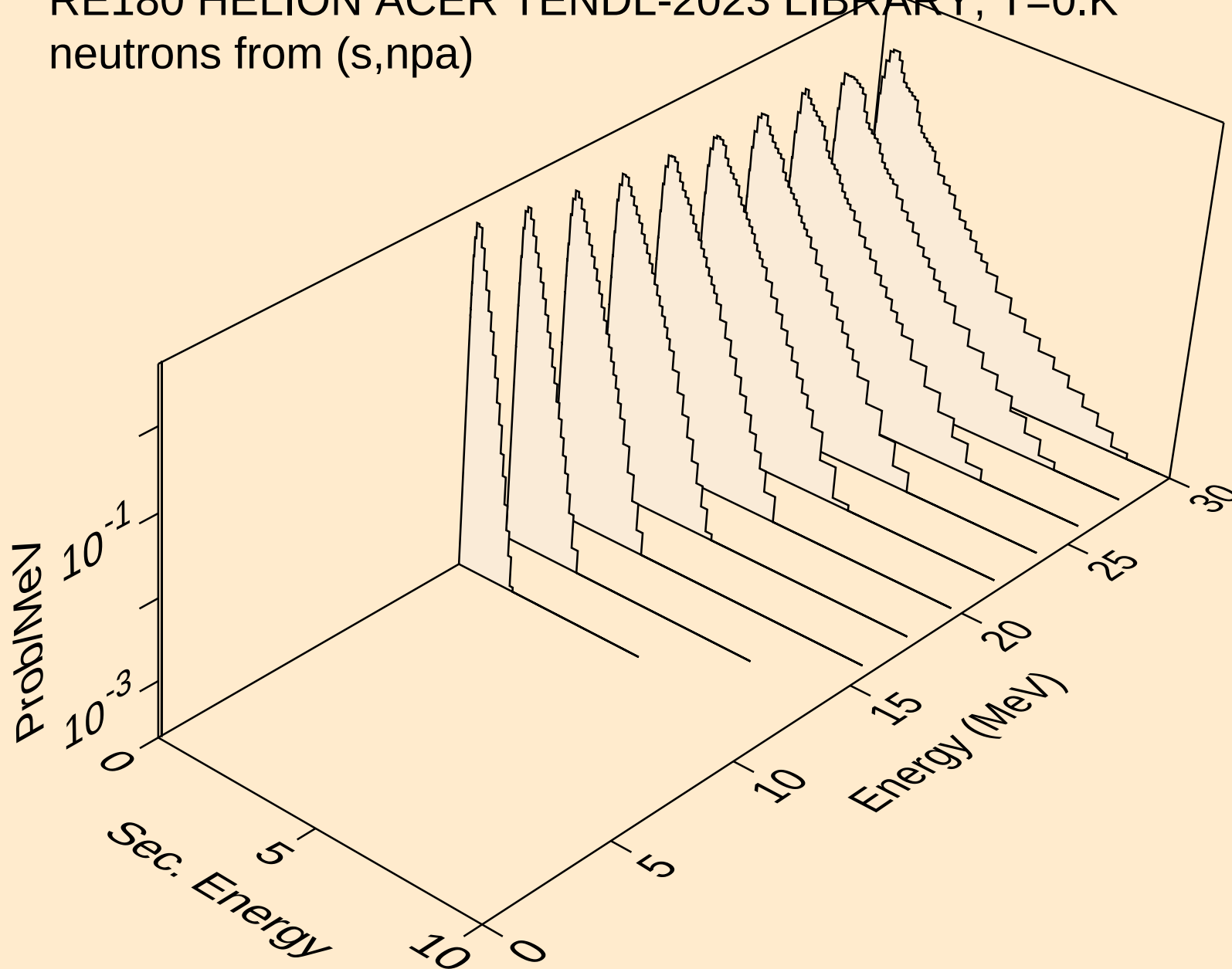
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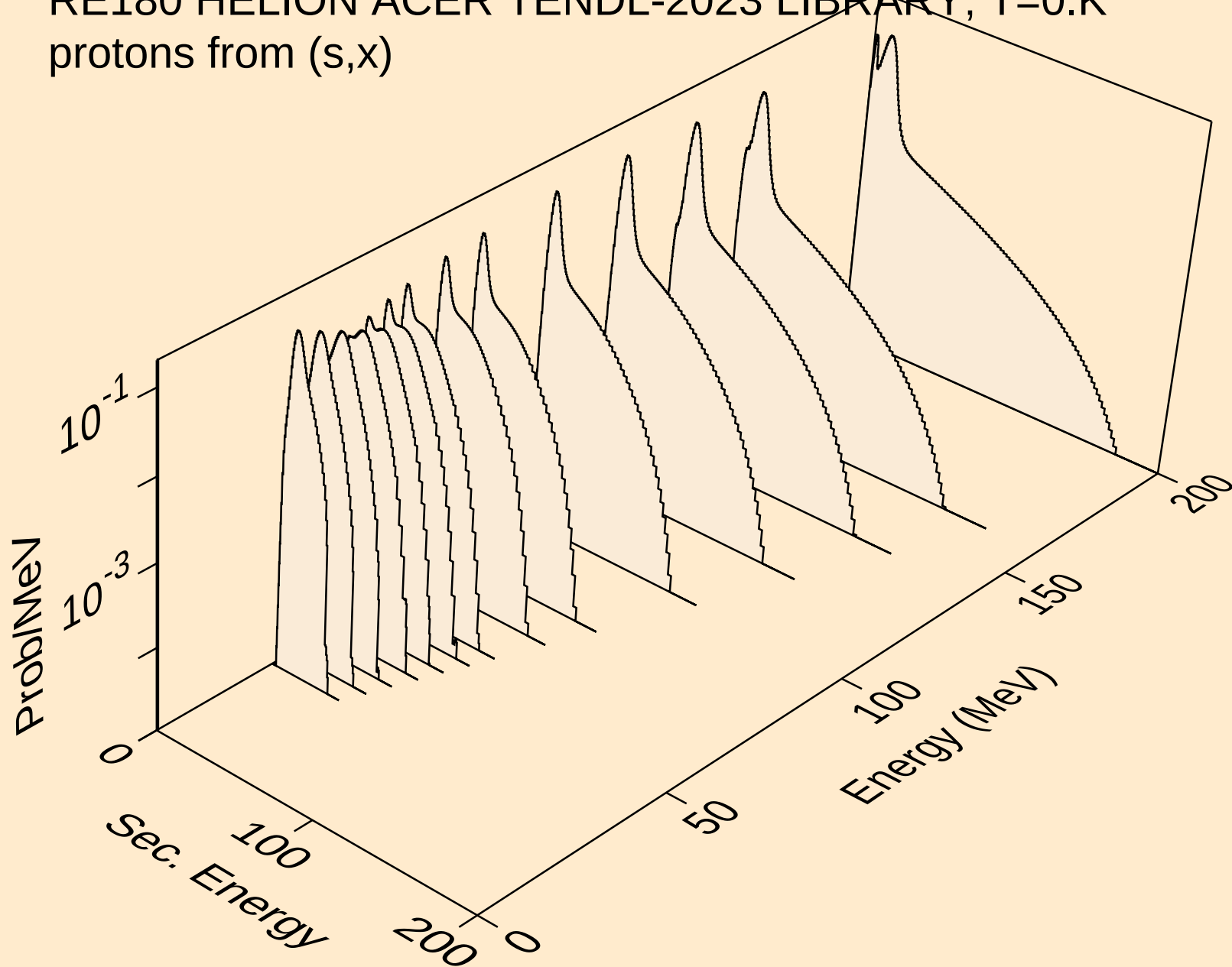
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neutrons from (s,n2p)



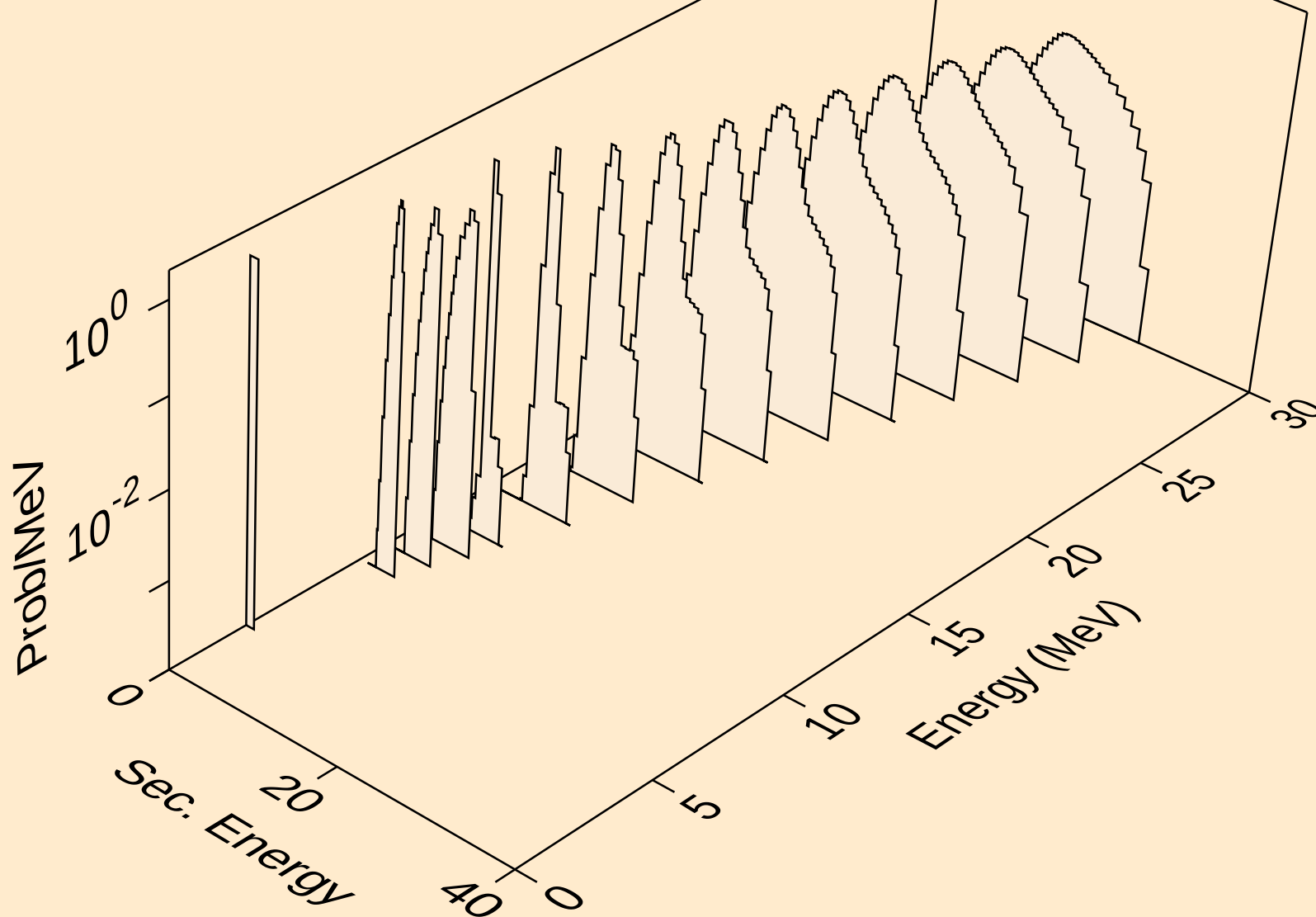
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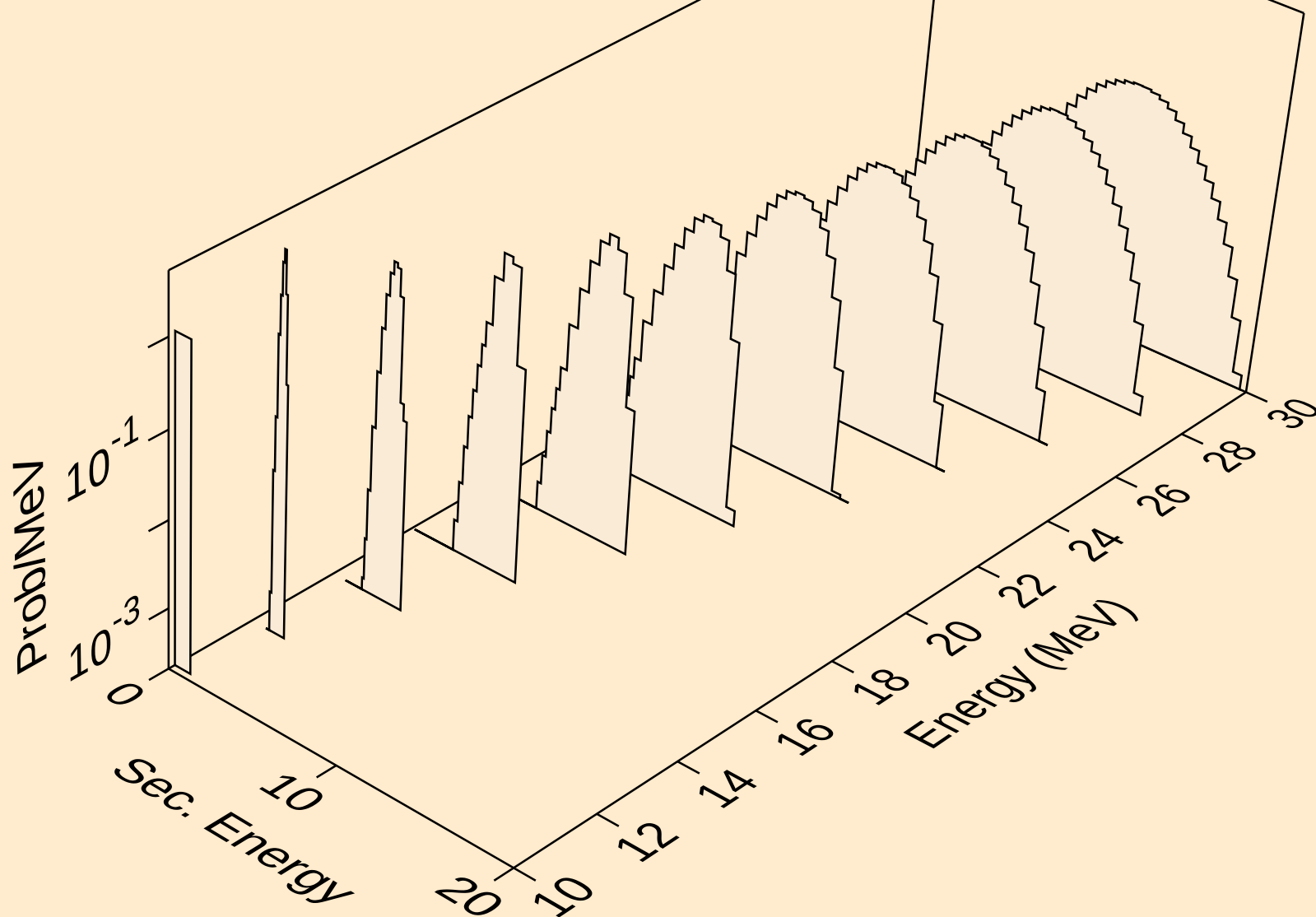
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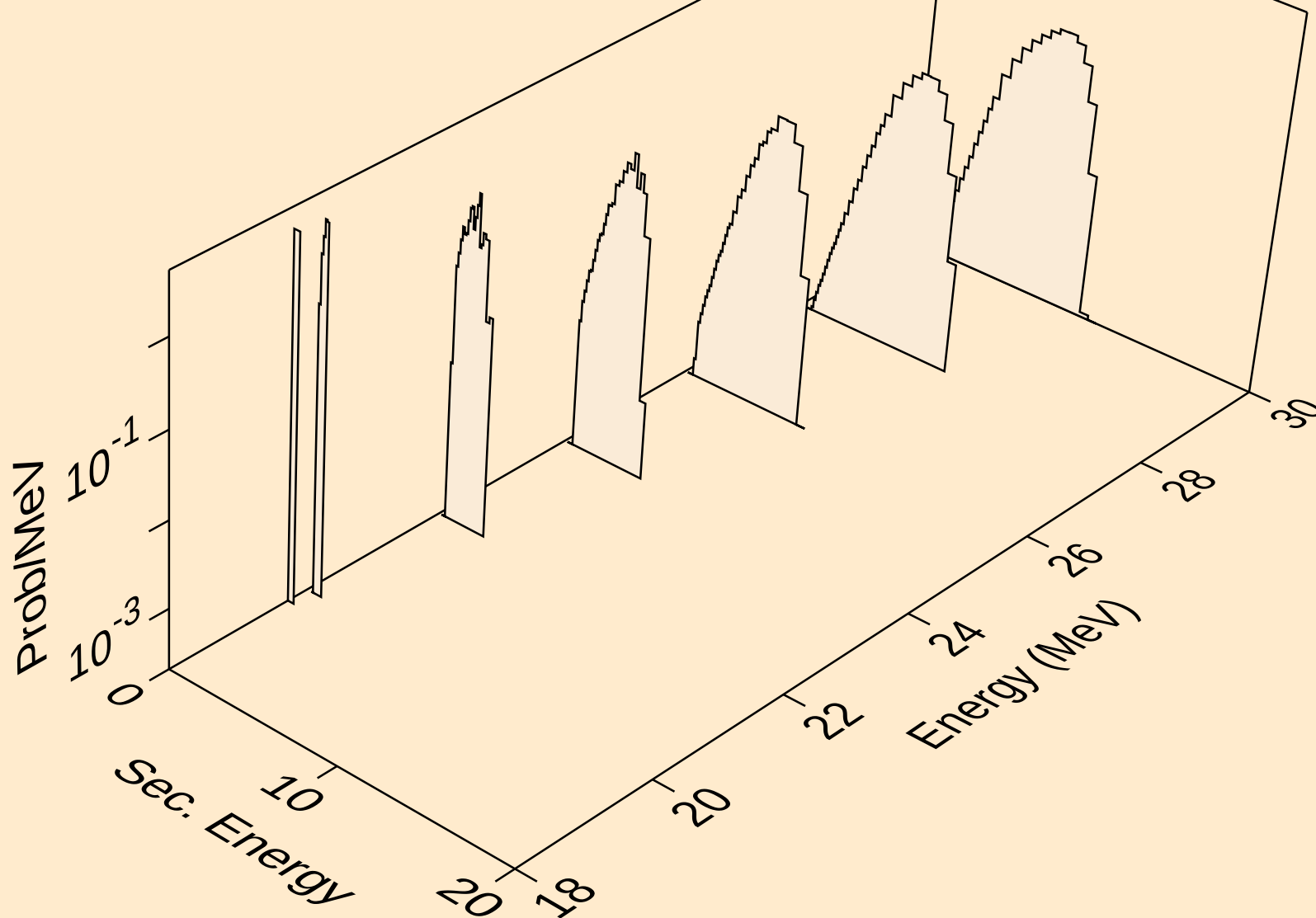
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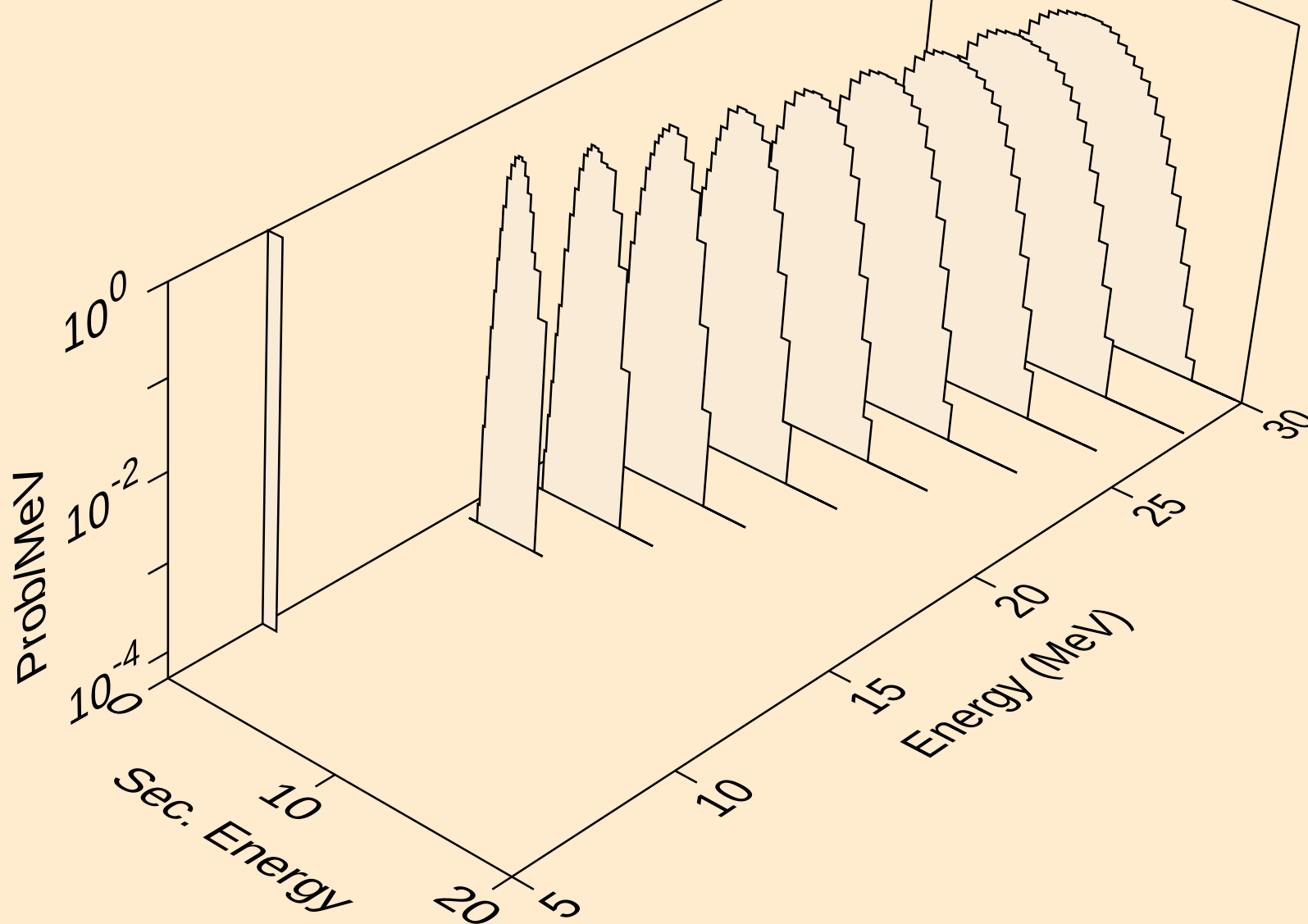
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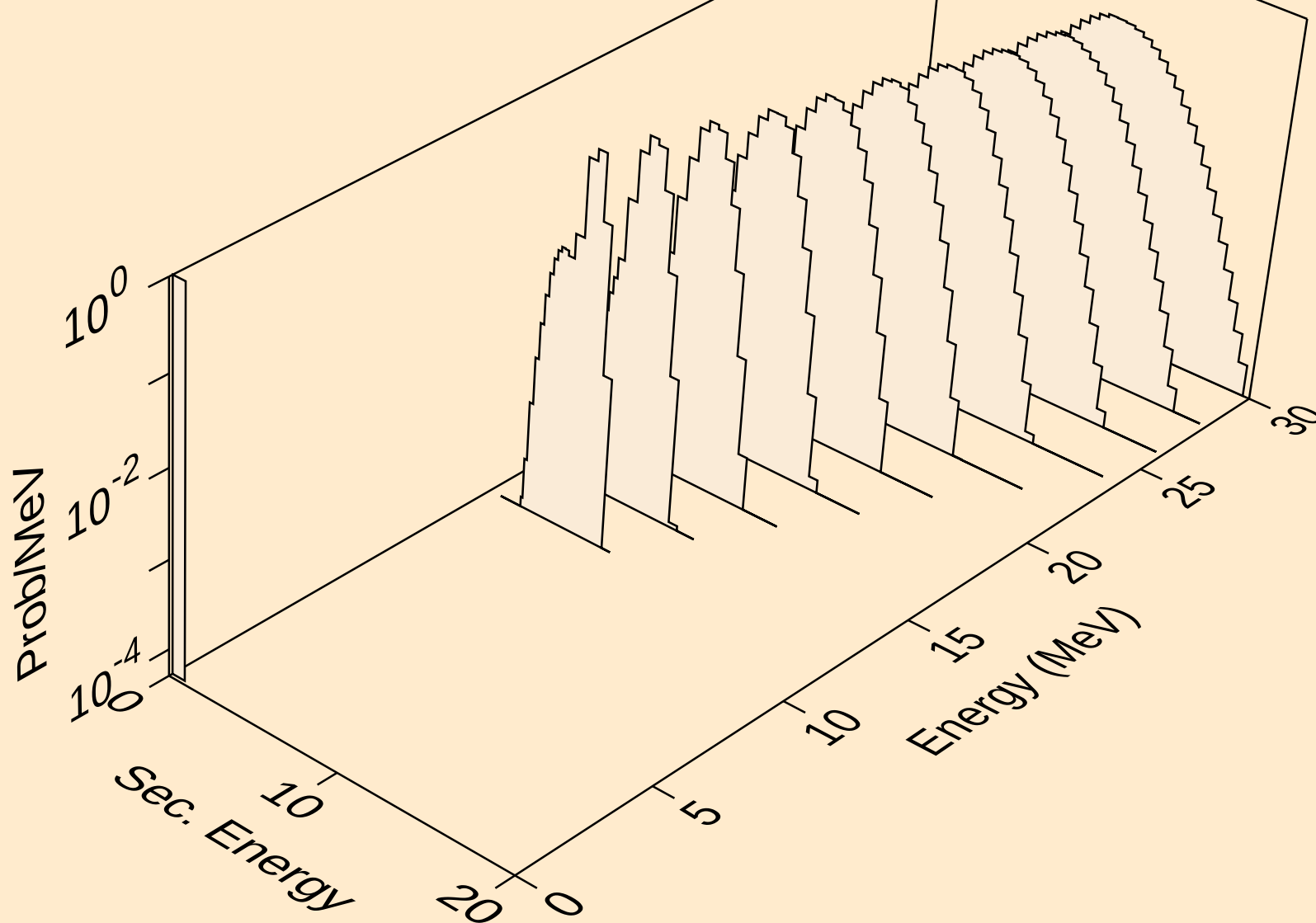
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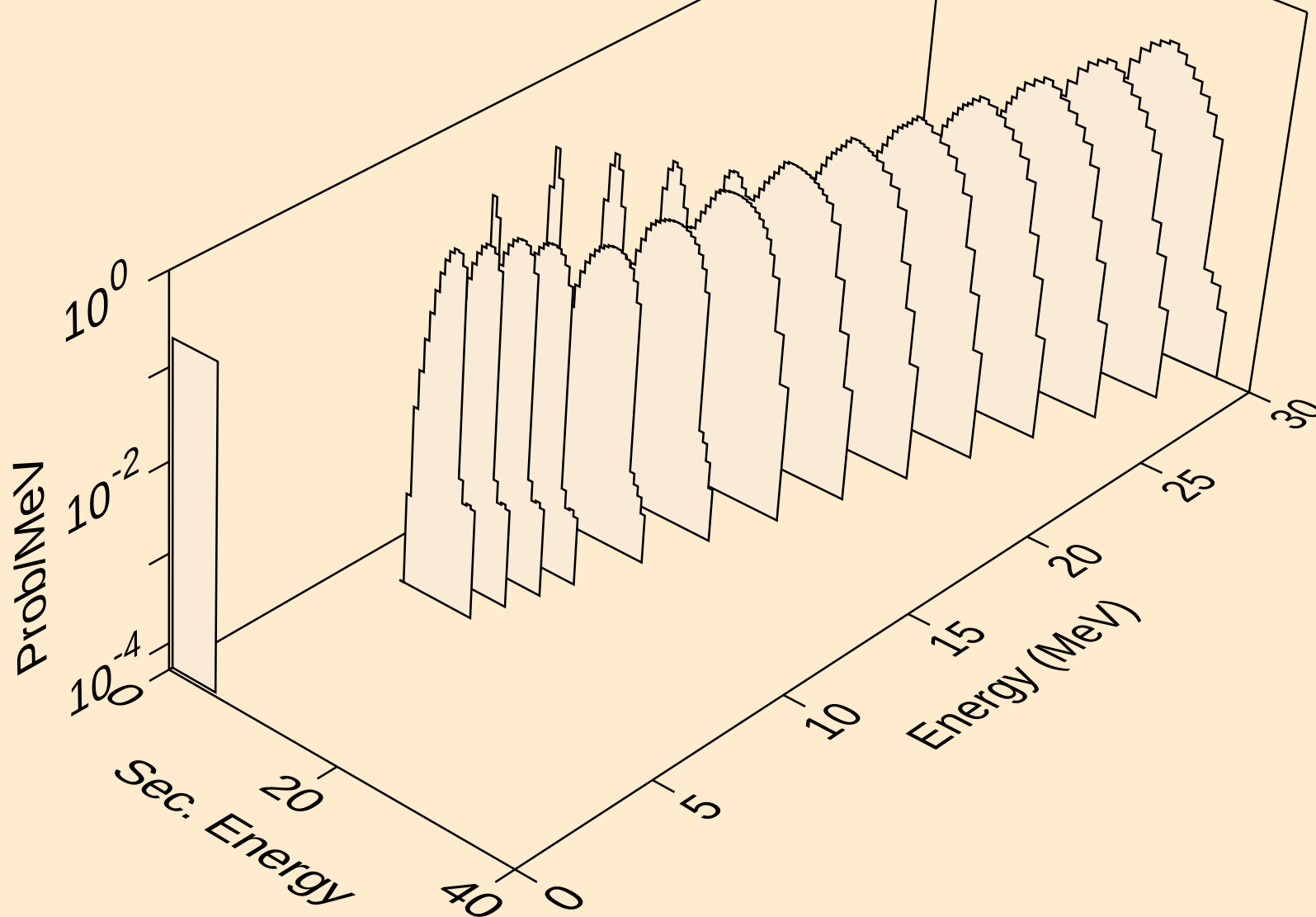
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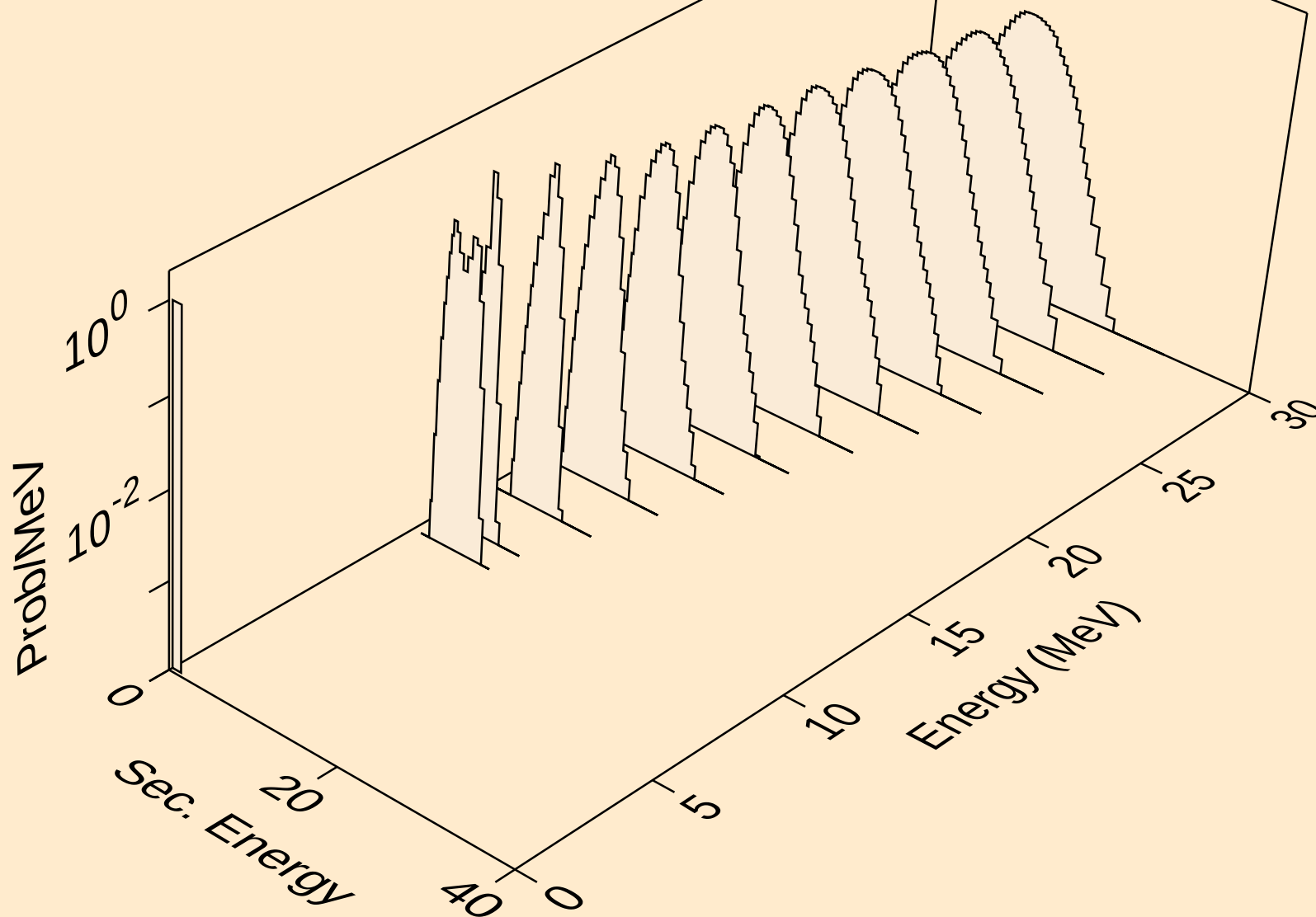
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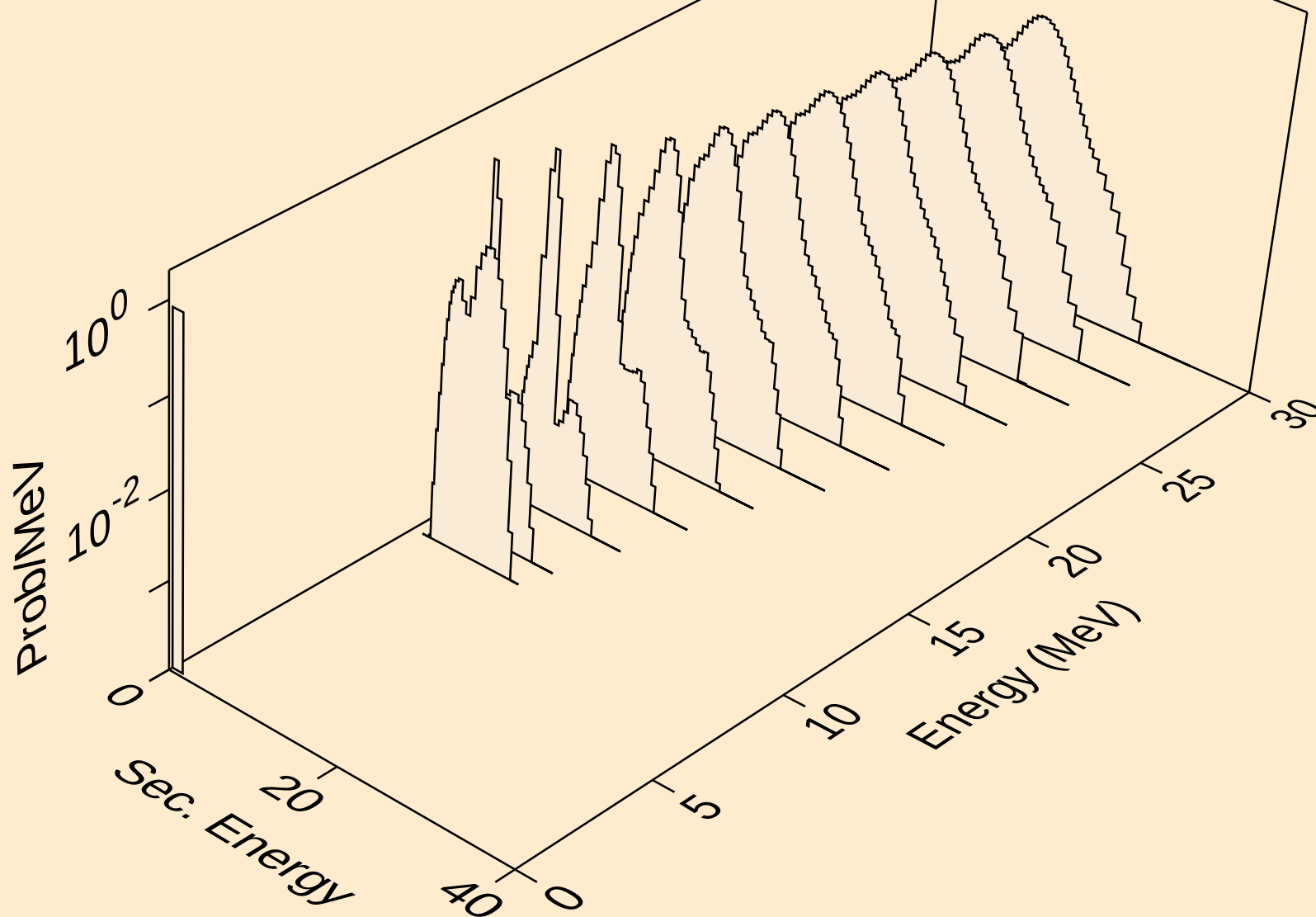
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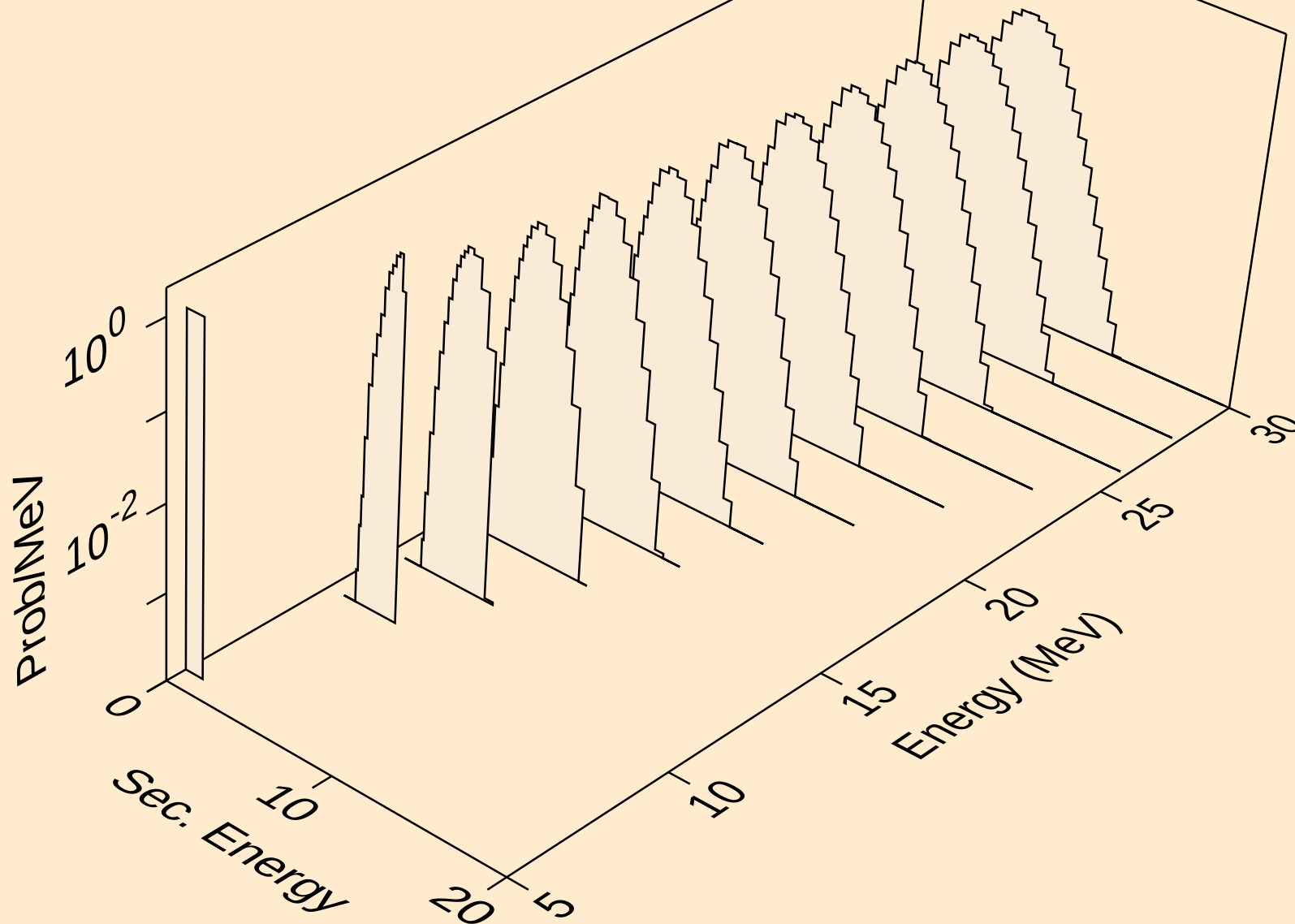
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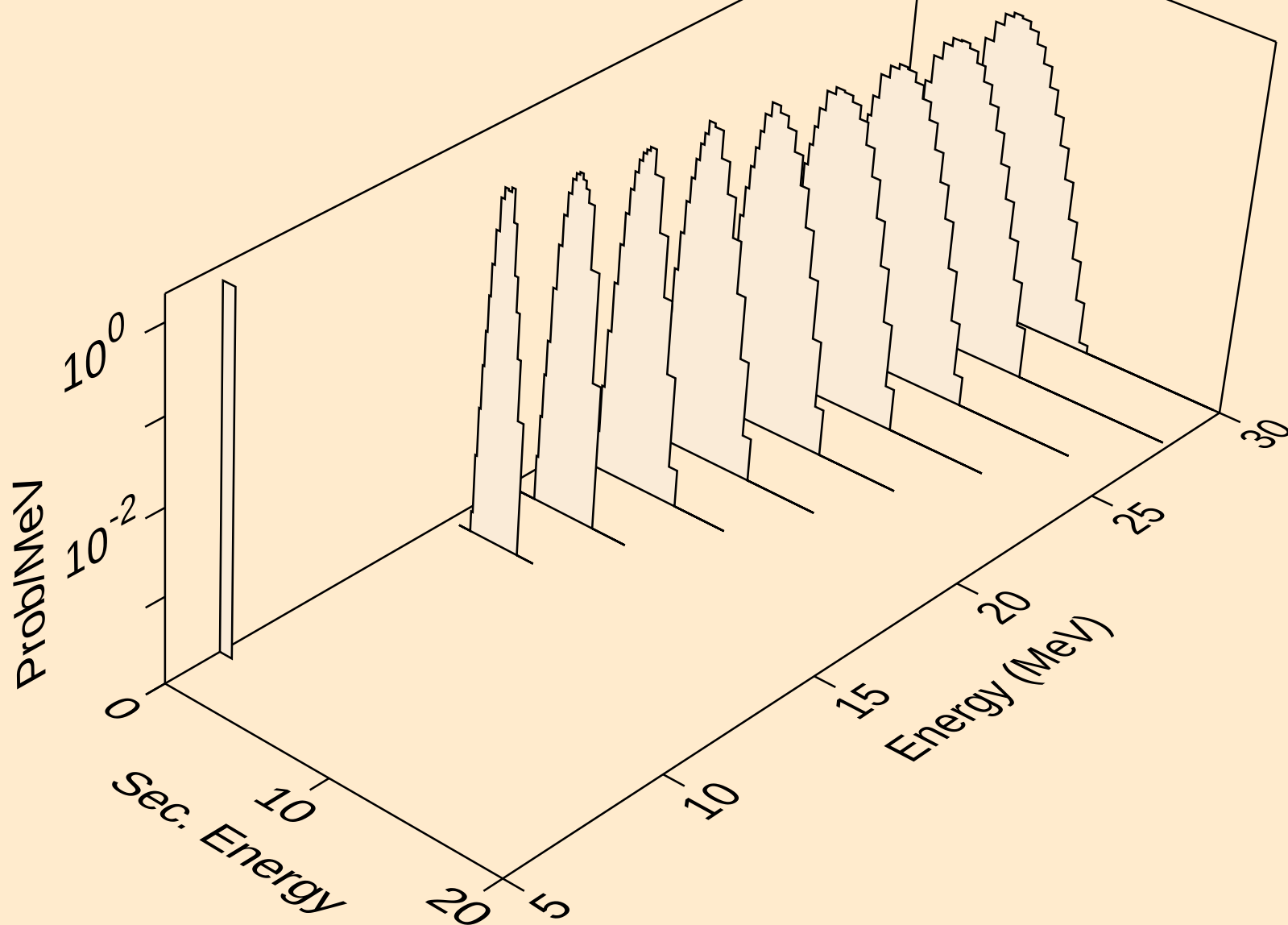
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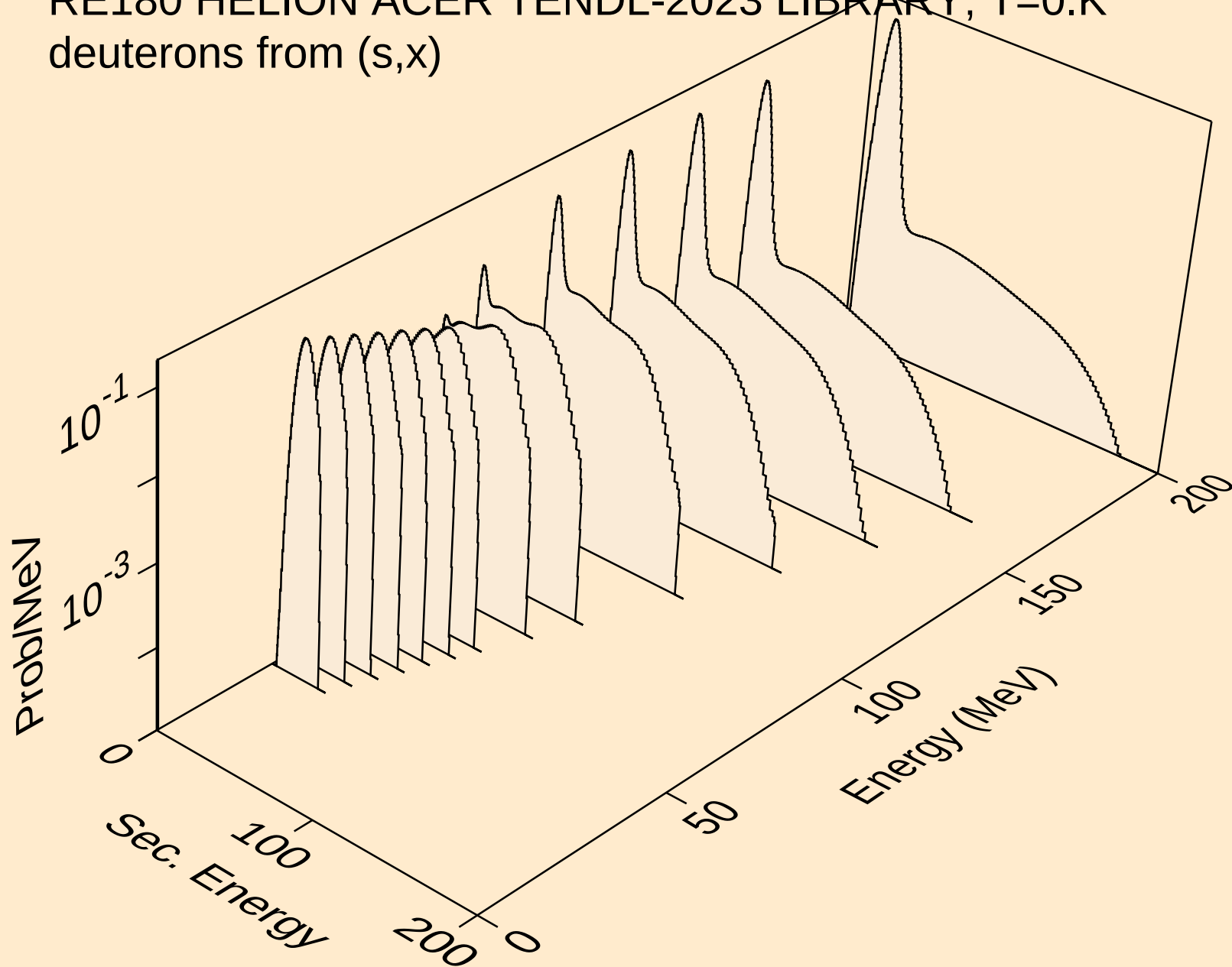
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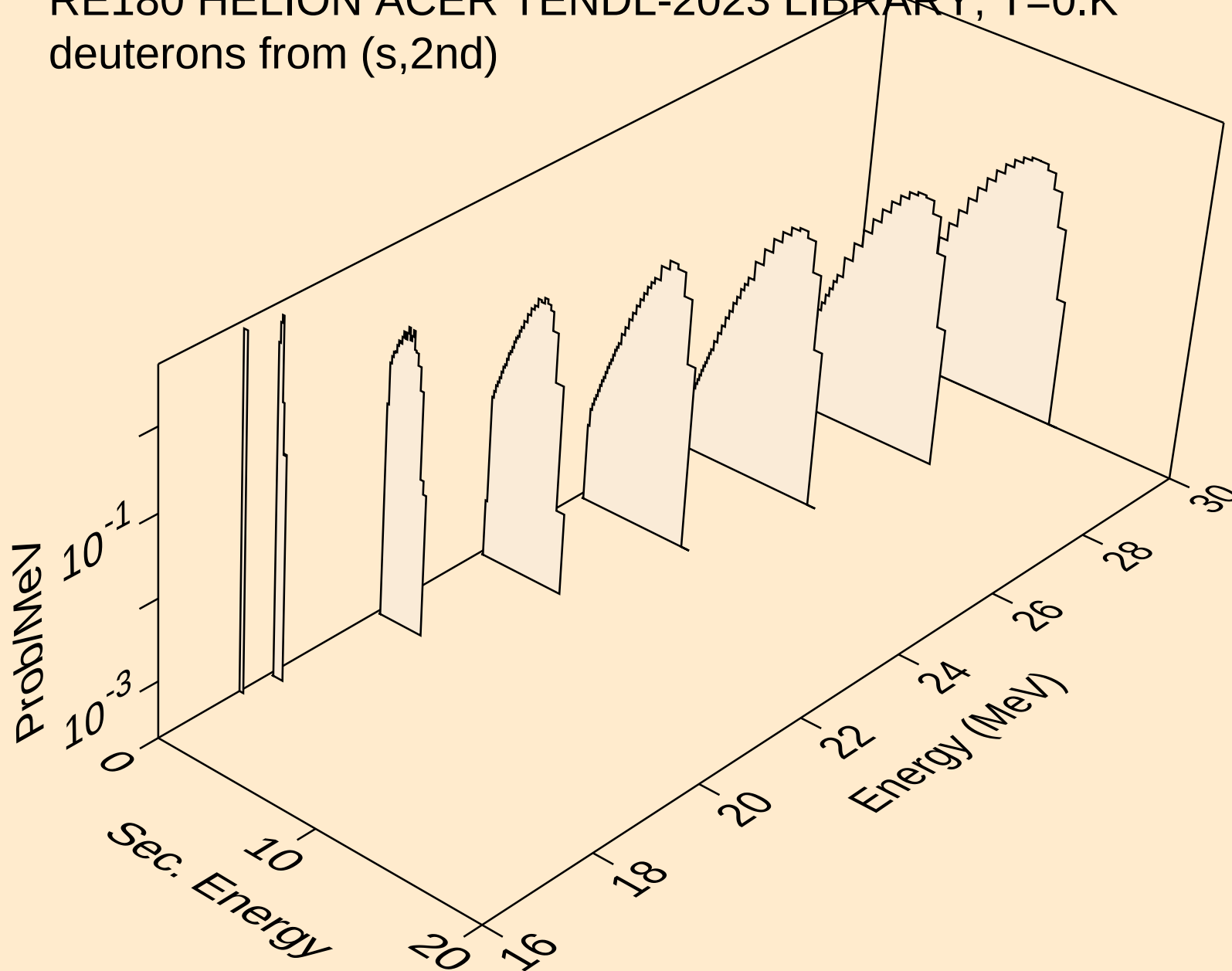
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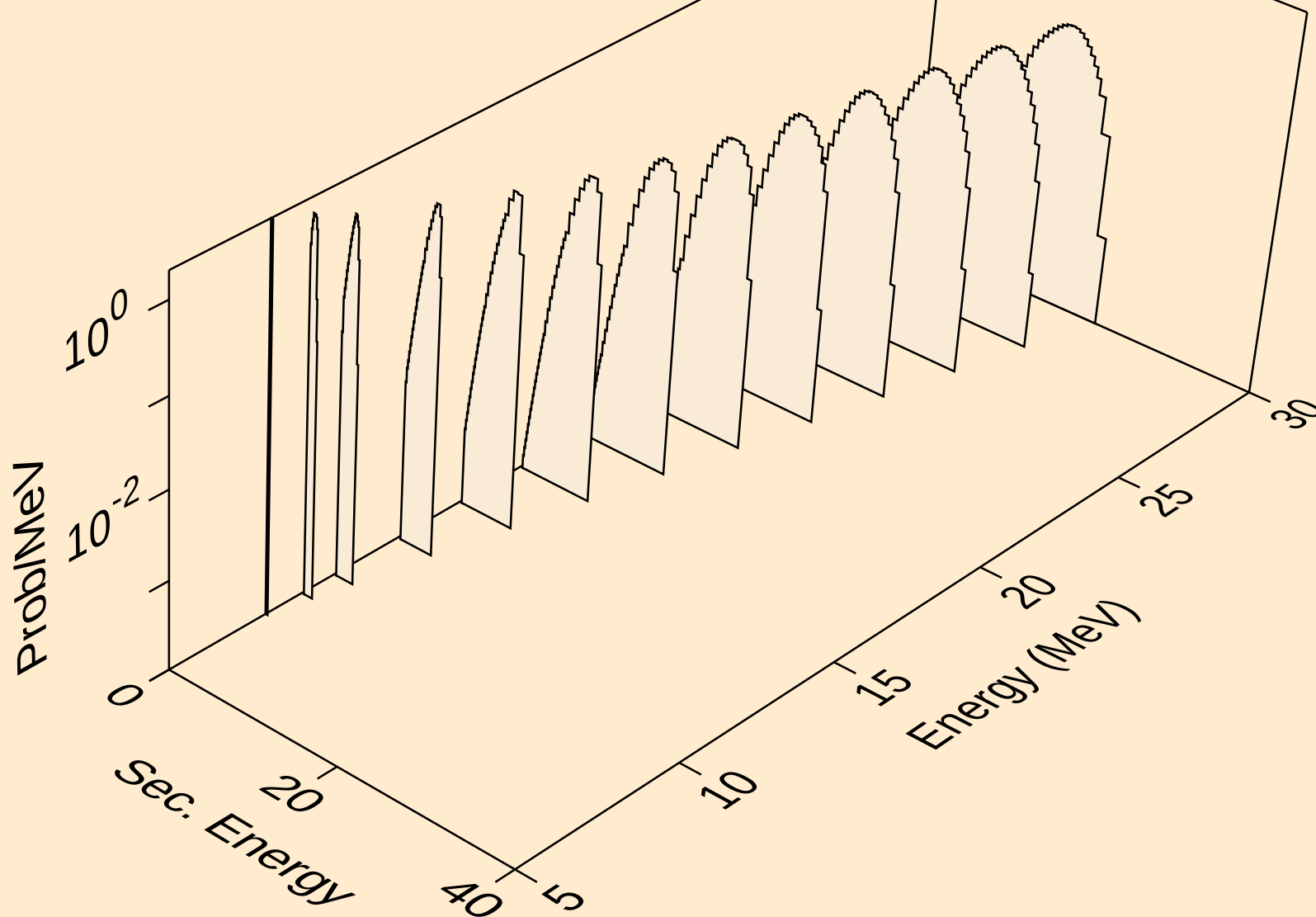
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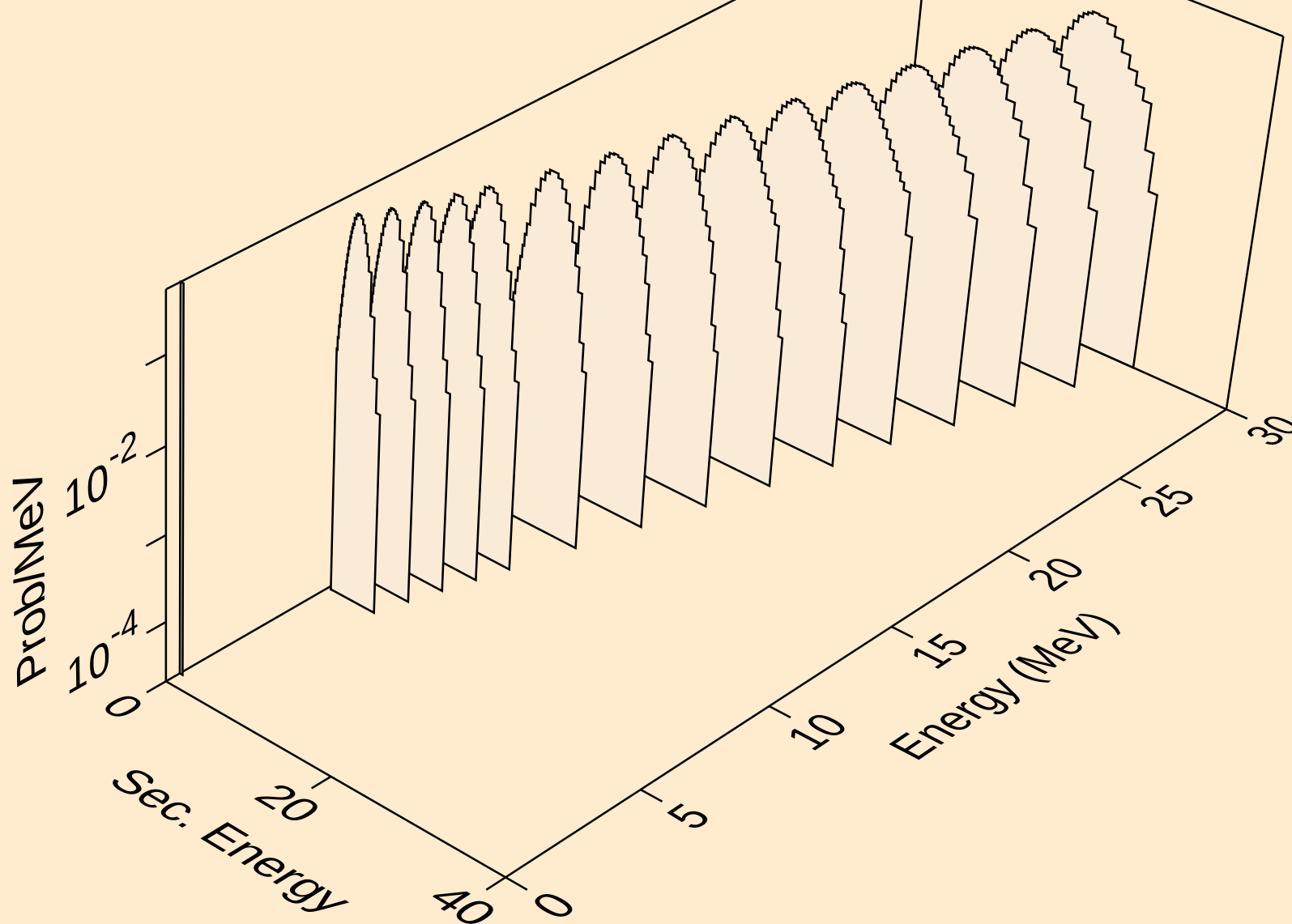
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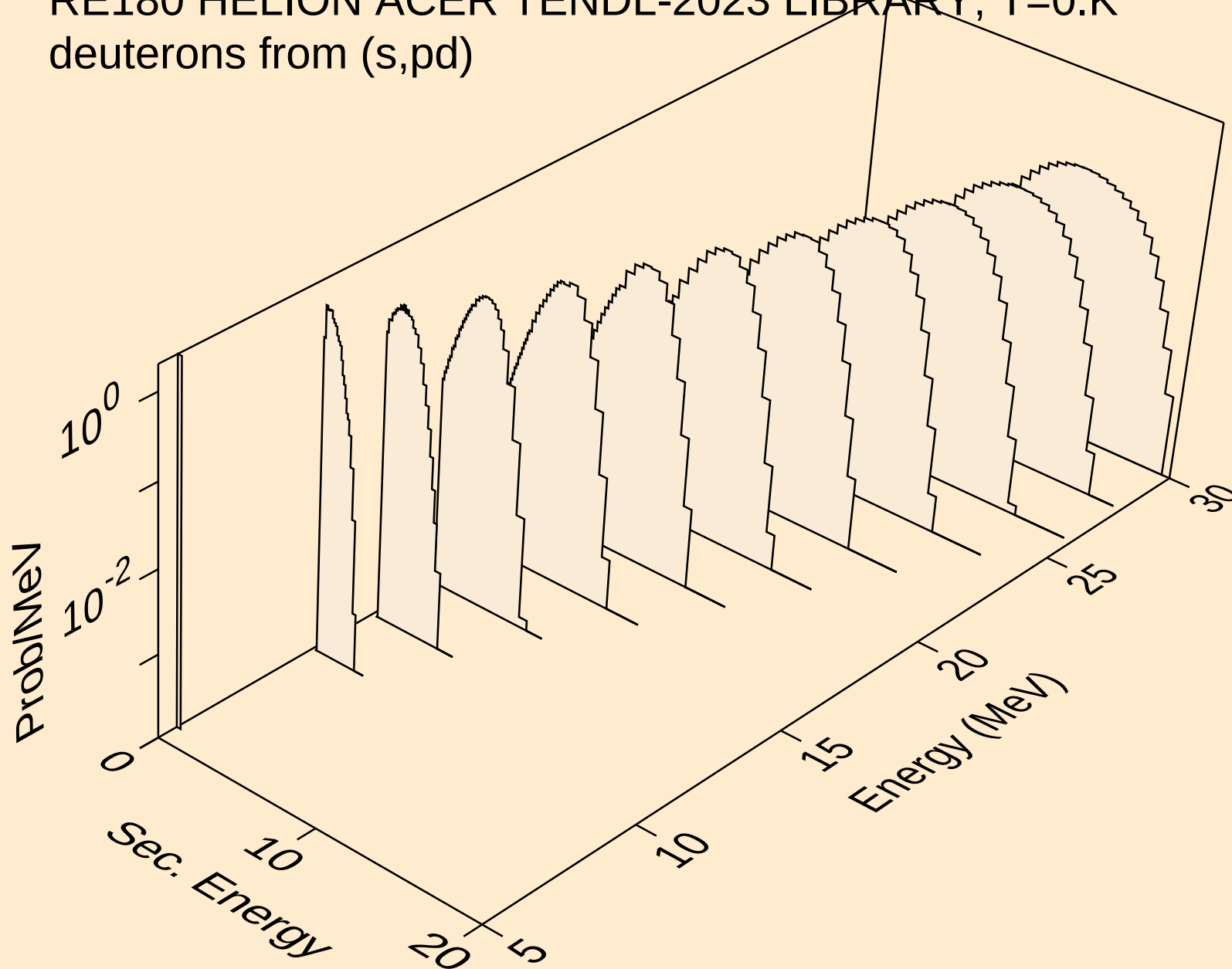
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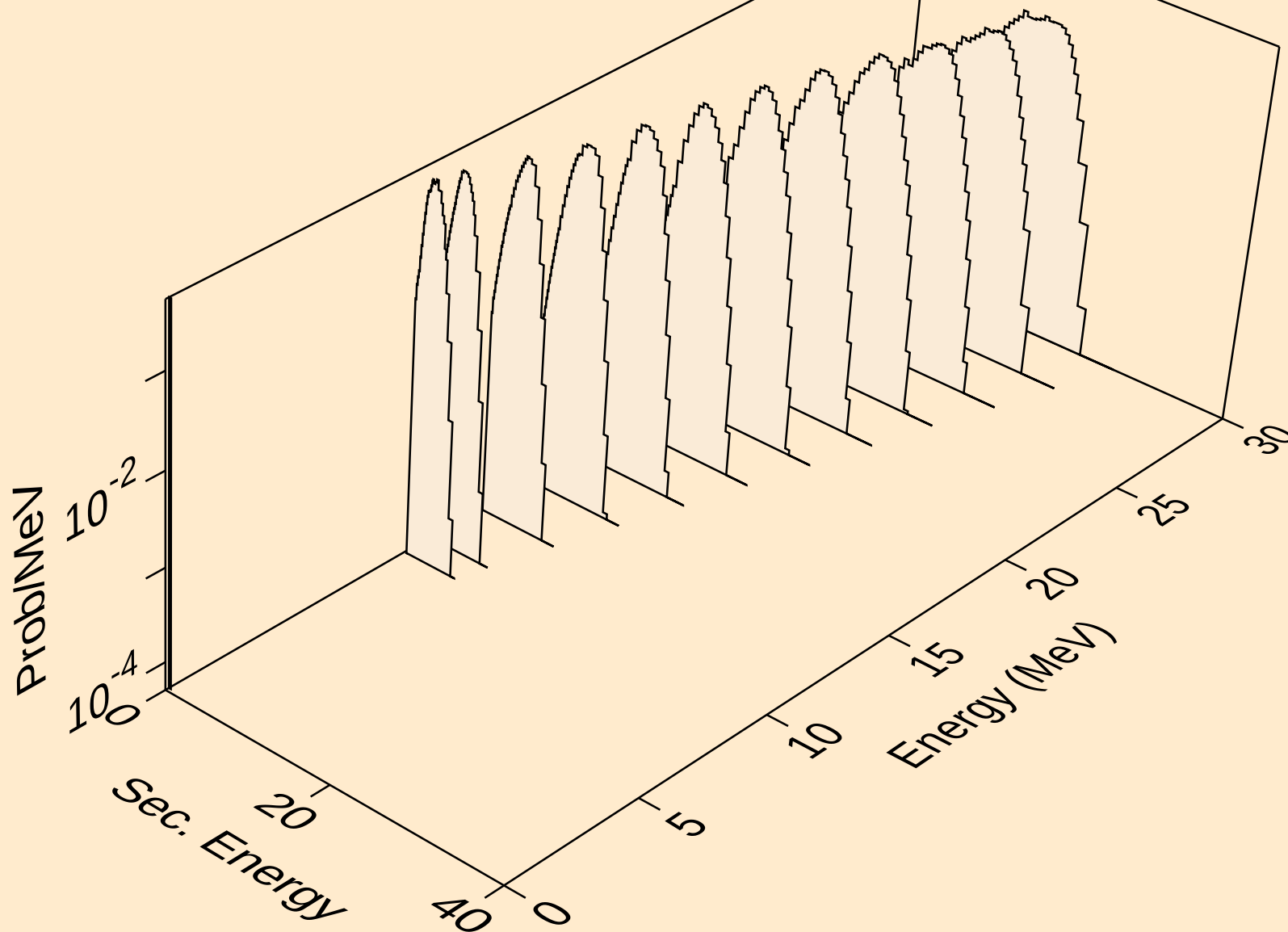
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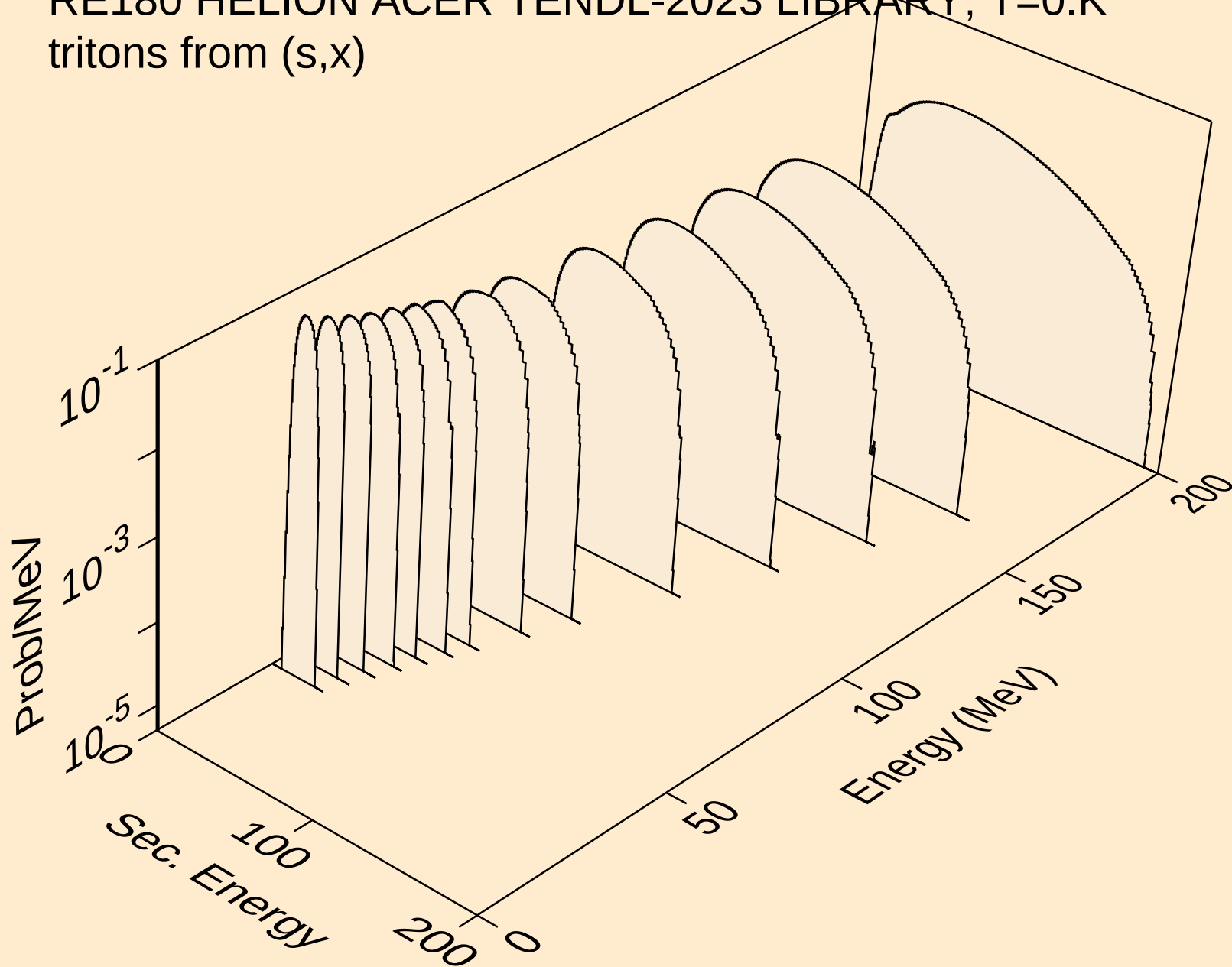
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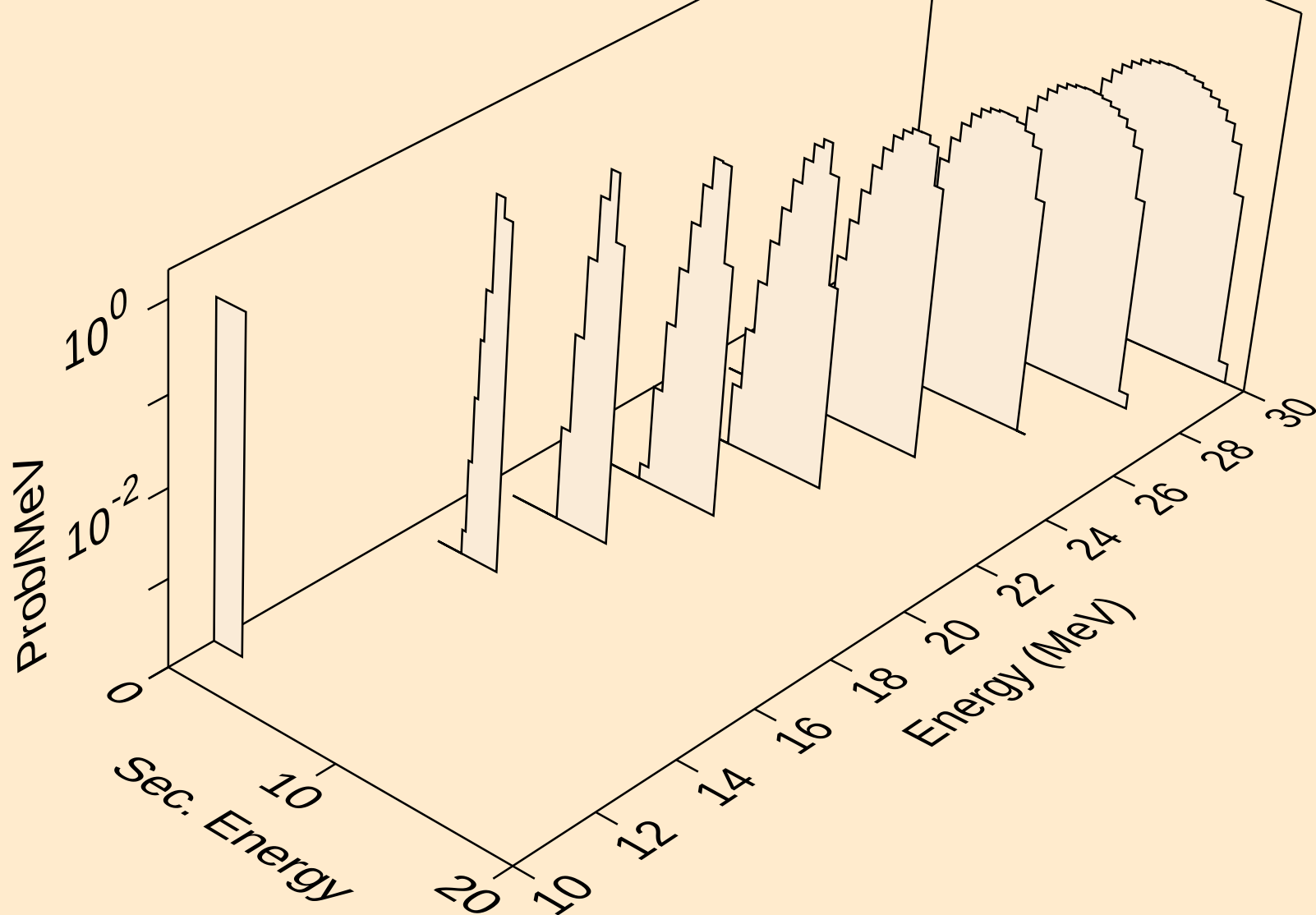
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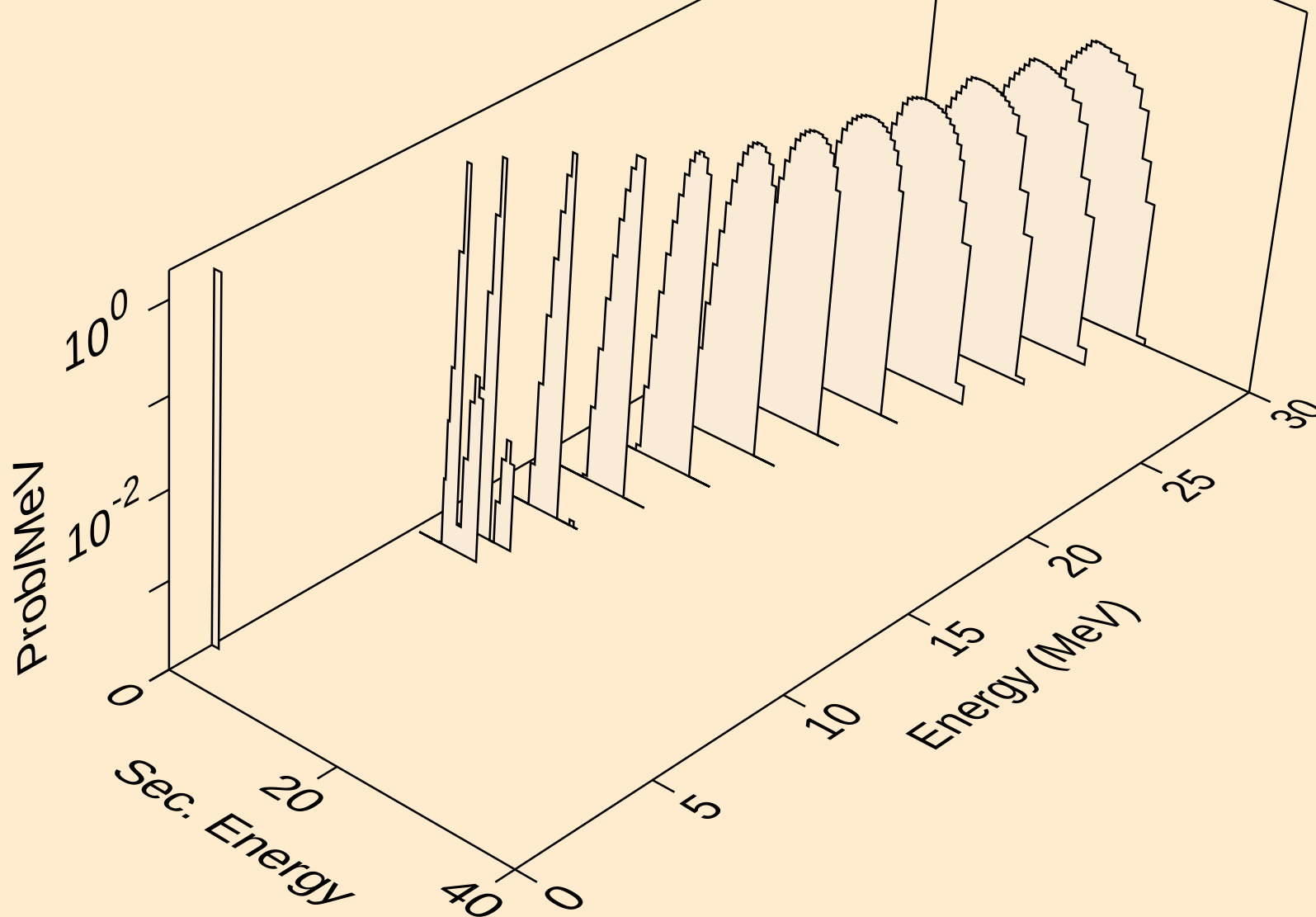
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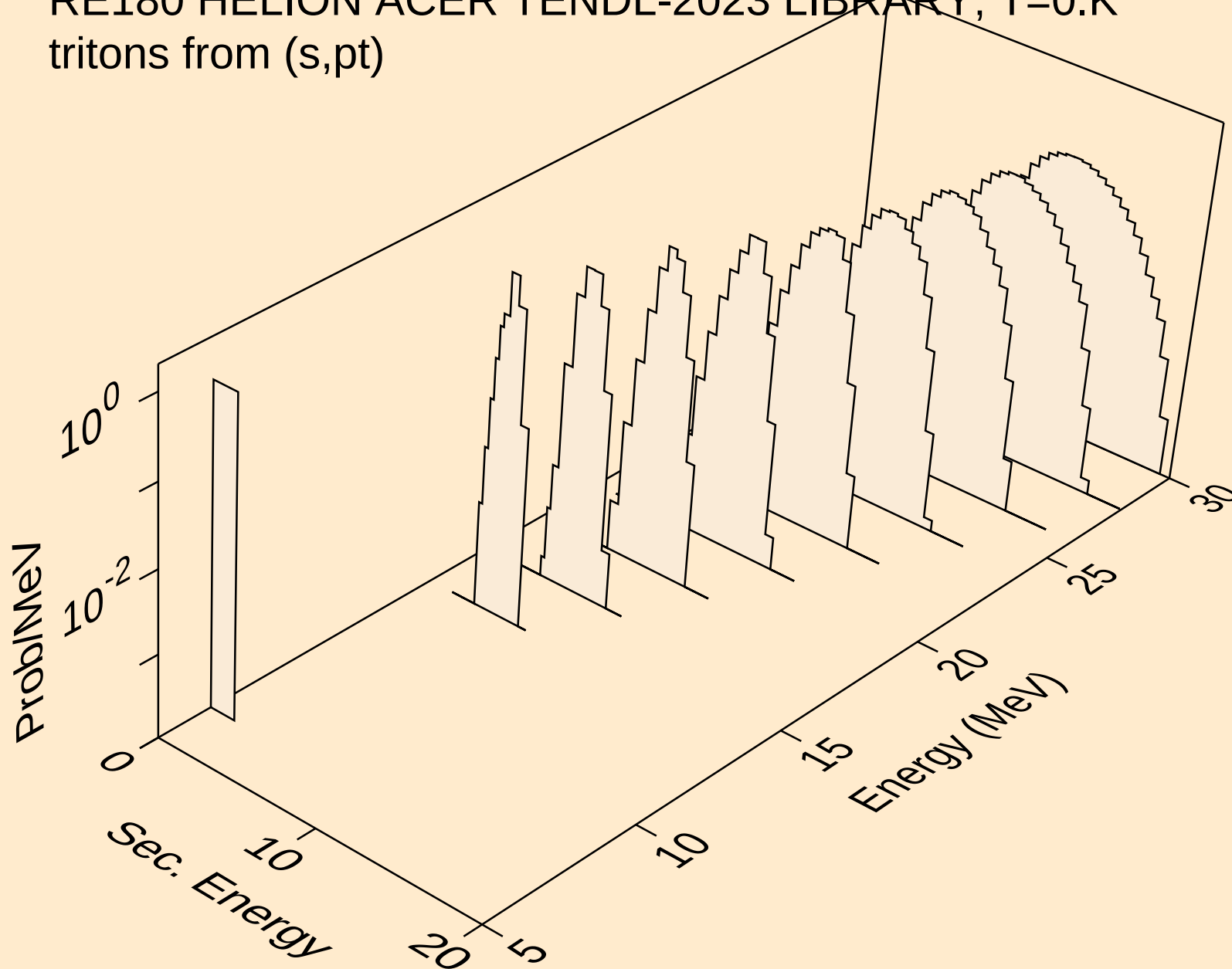
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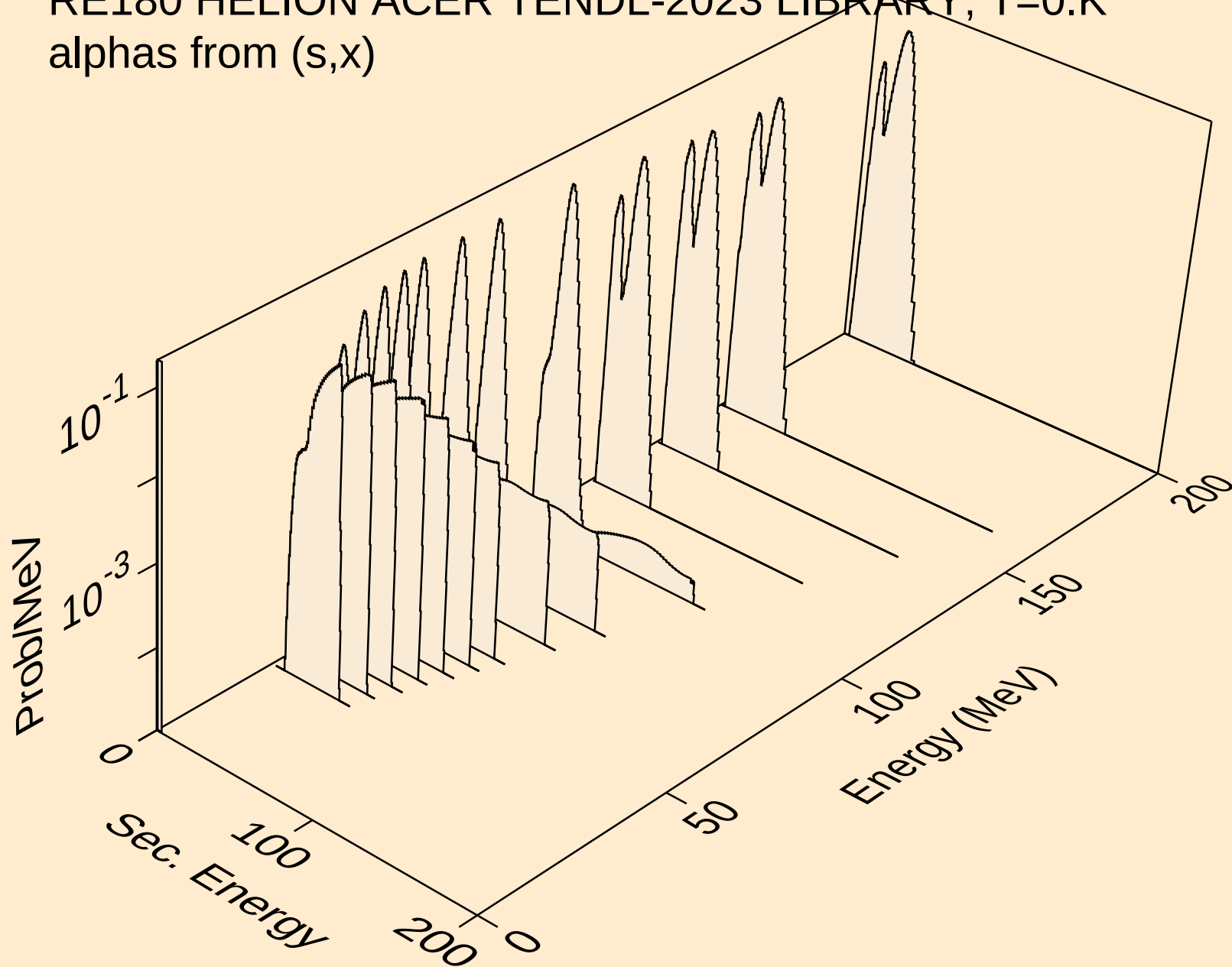
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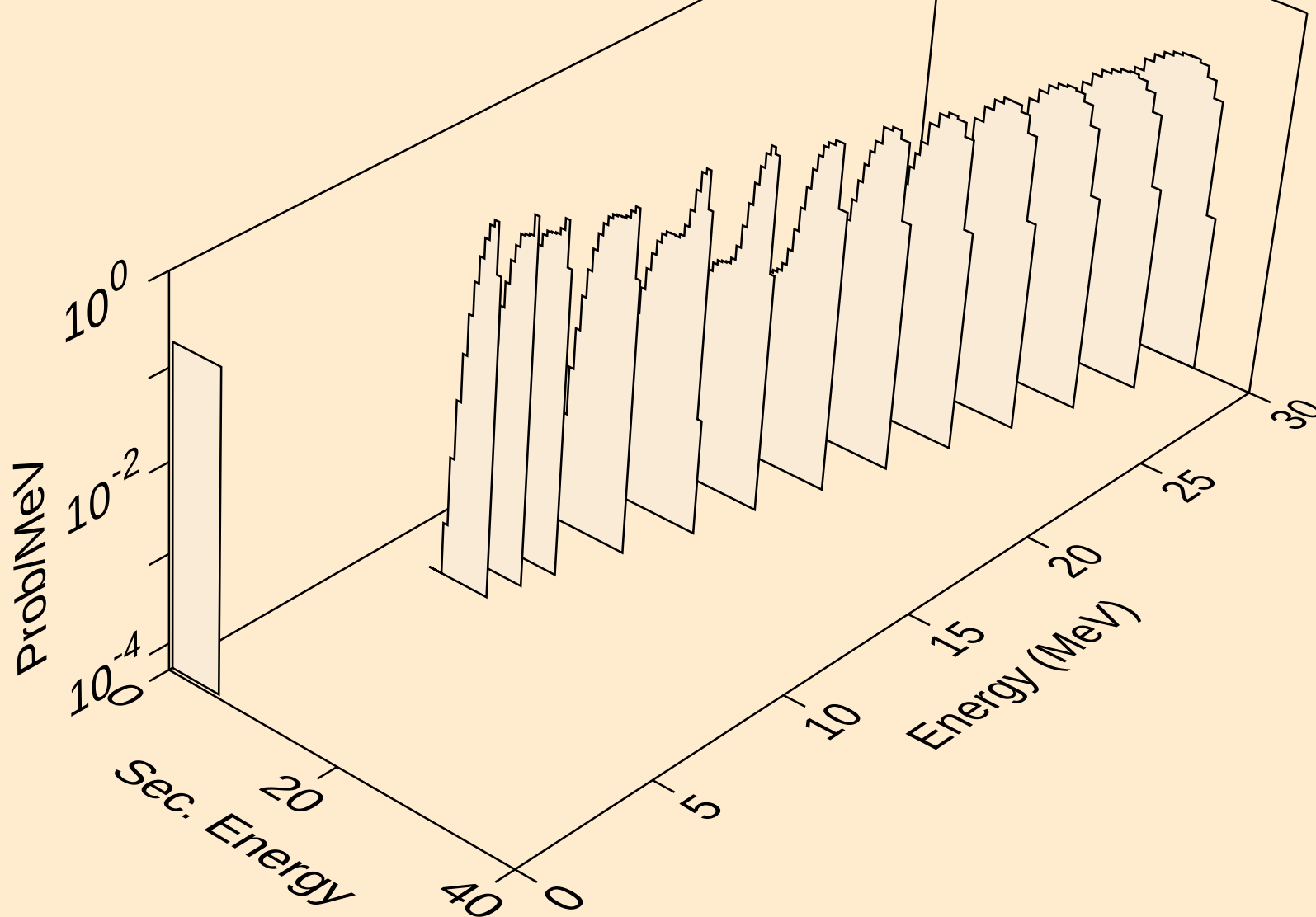
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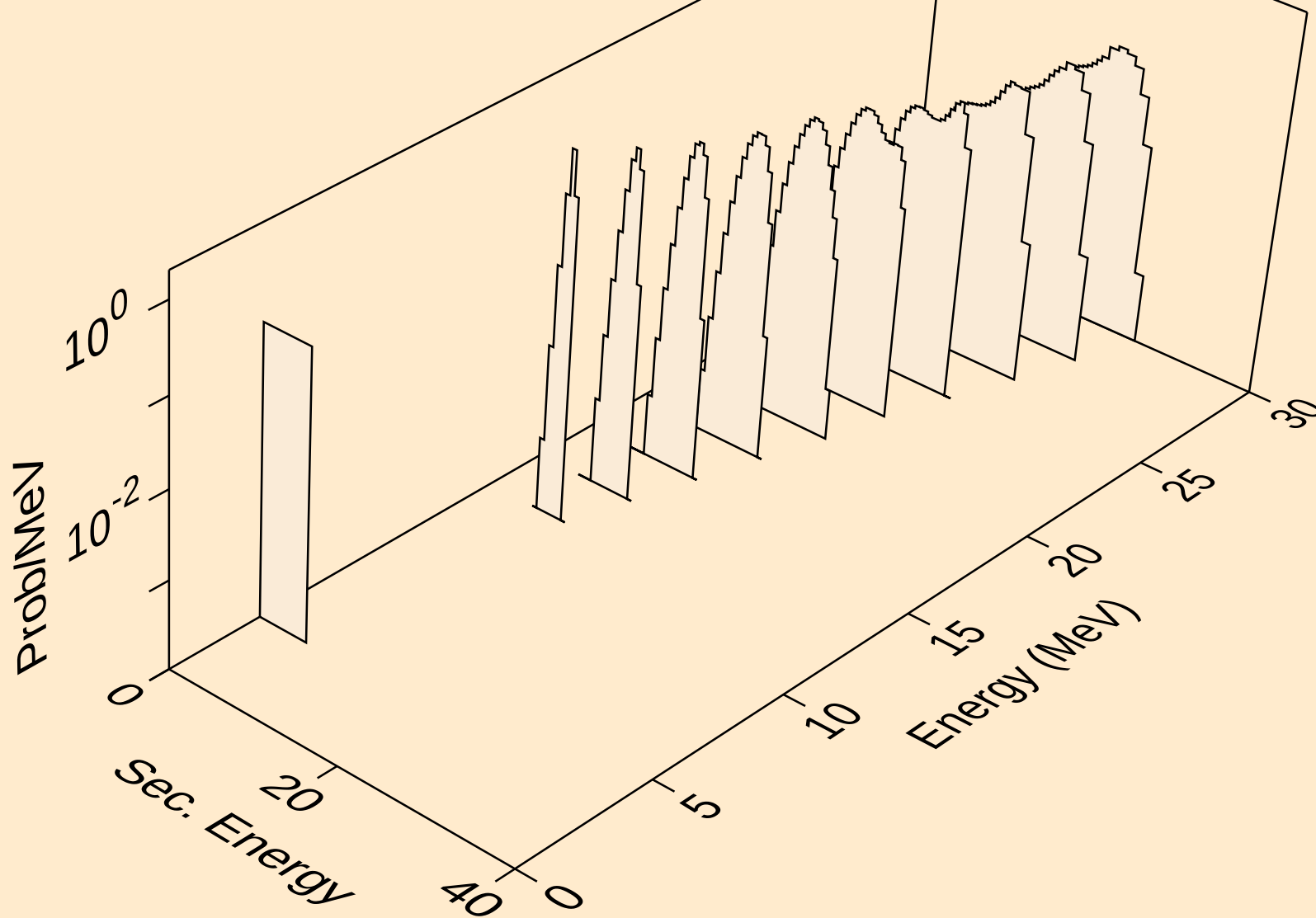
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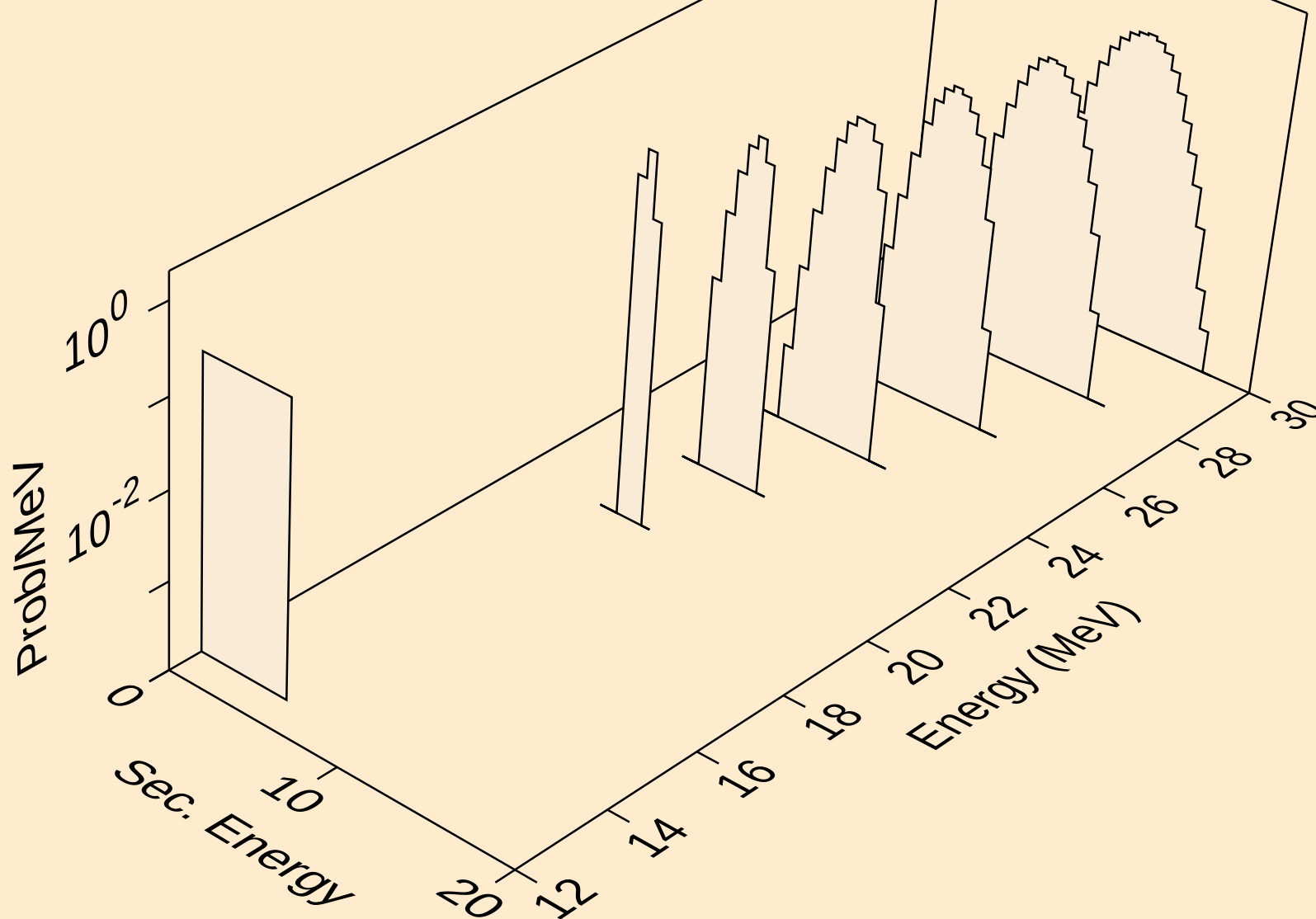
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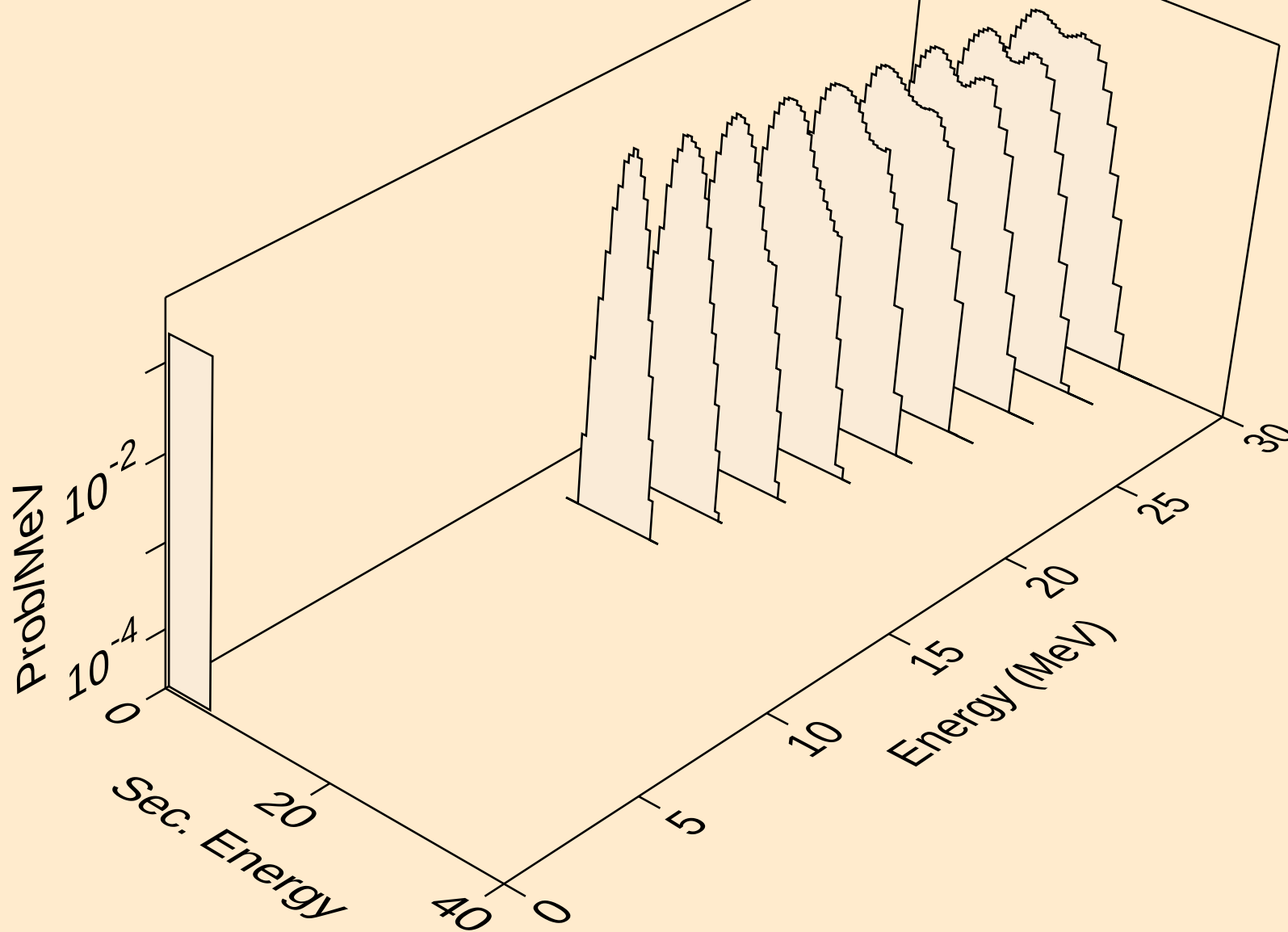
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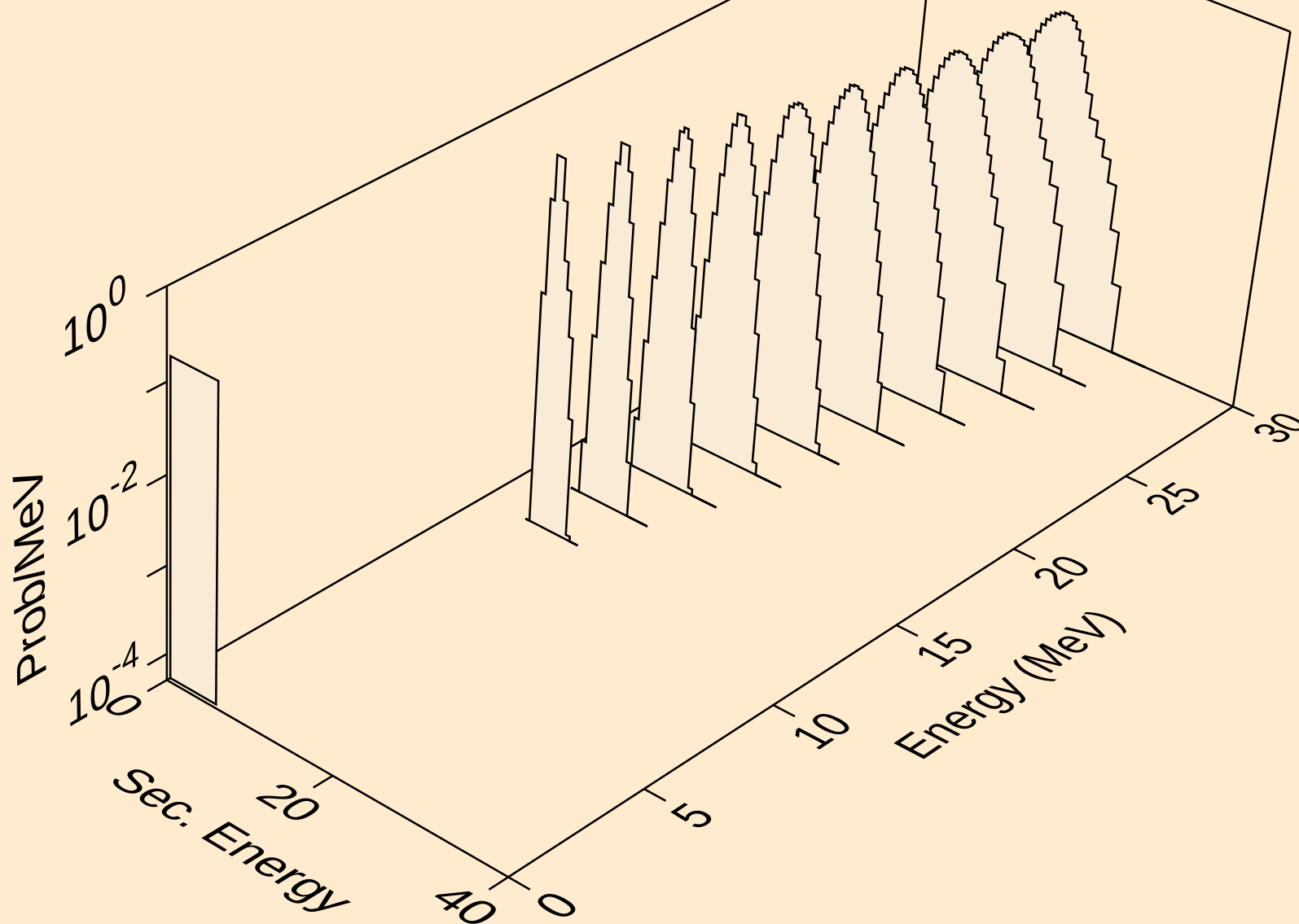
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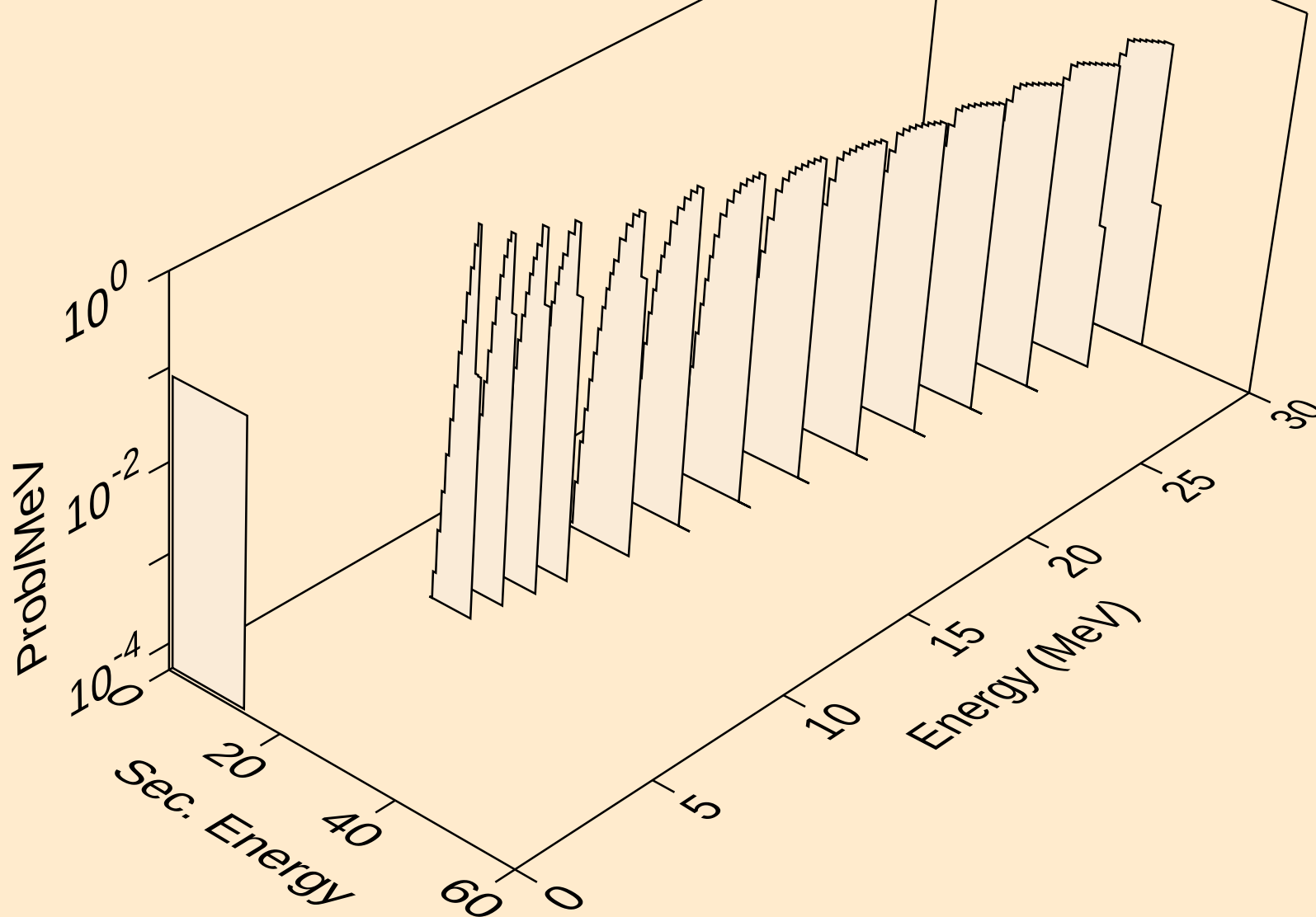
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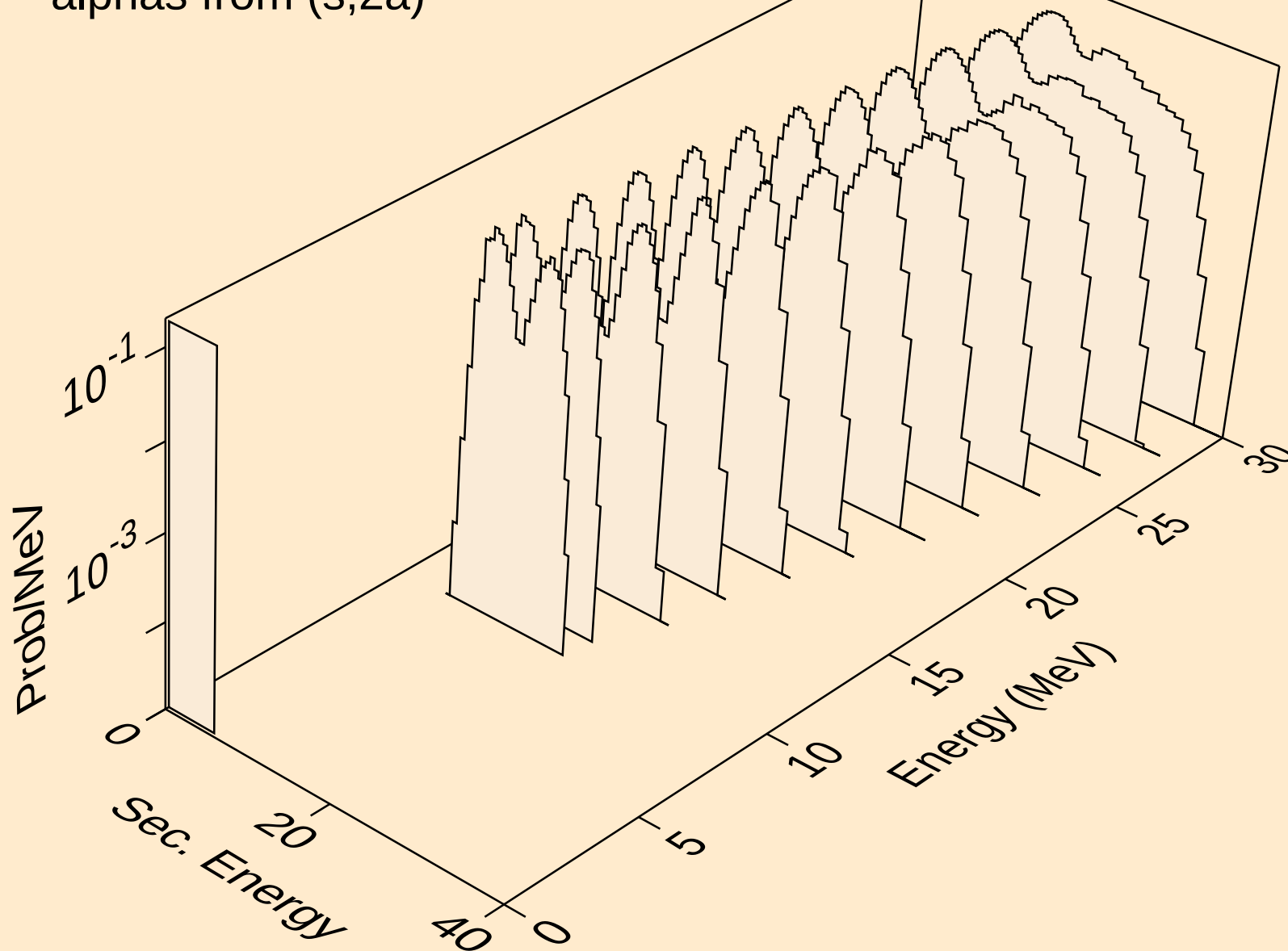
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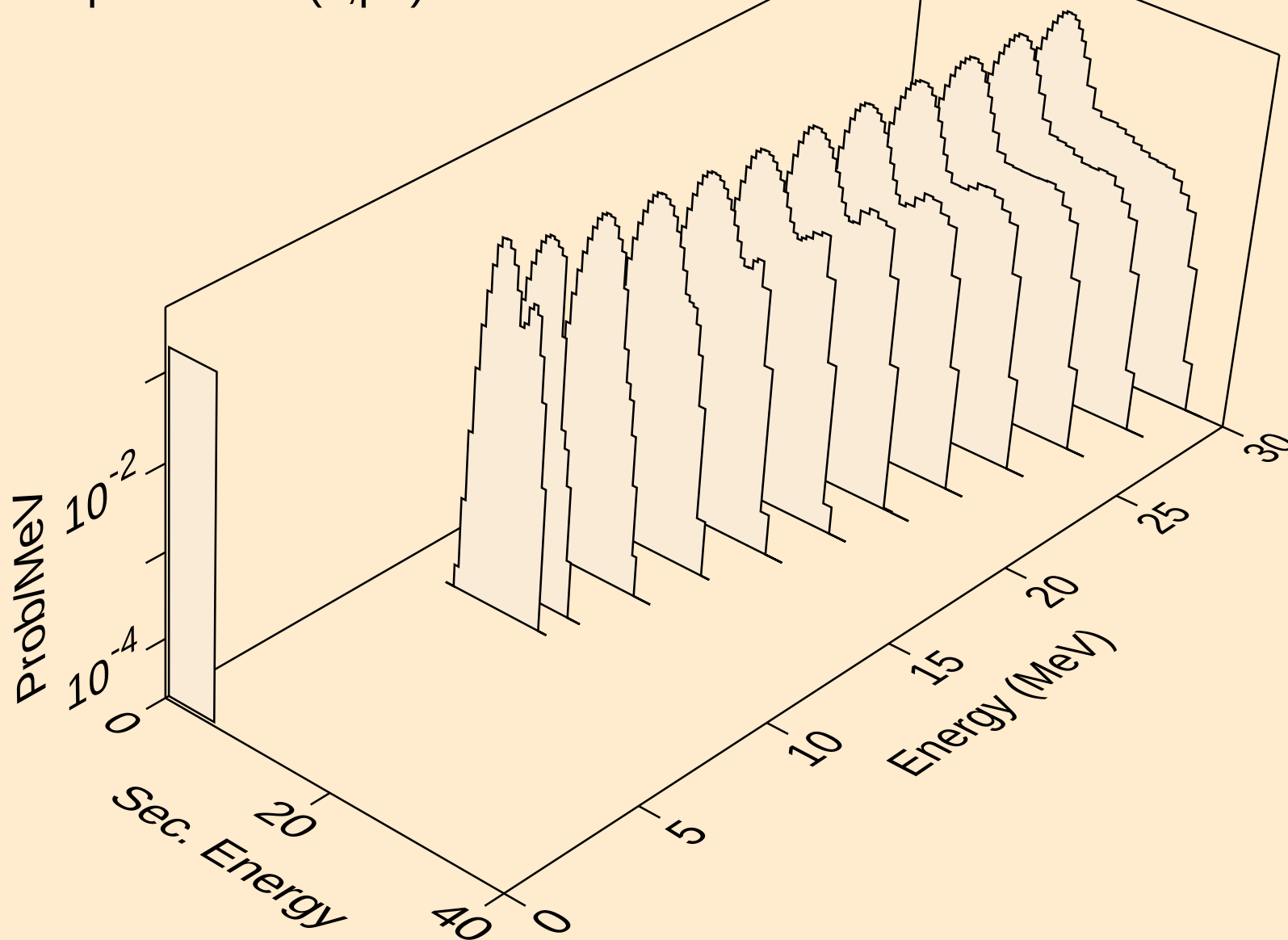
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alphas from (s,a)



RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,2a)



RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



RE180 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

