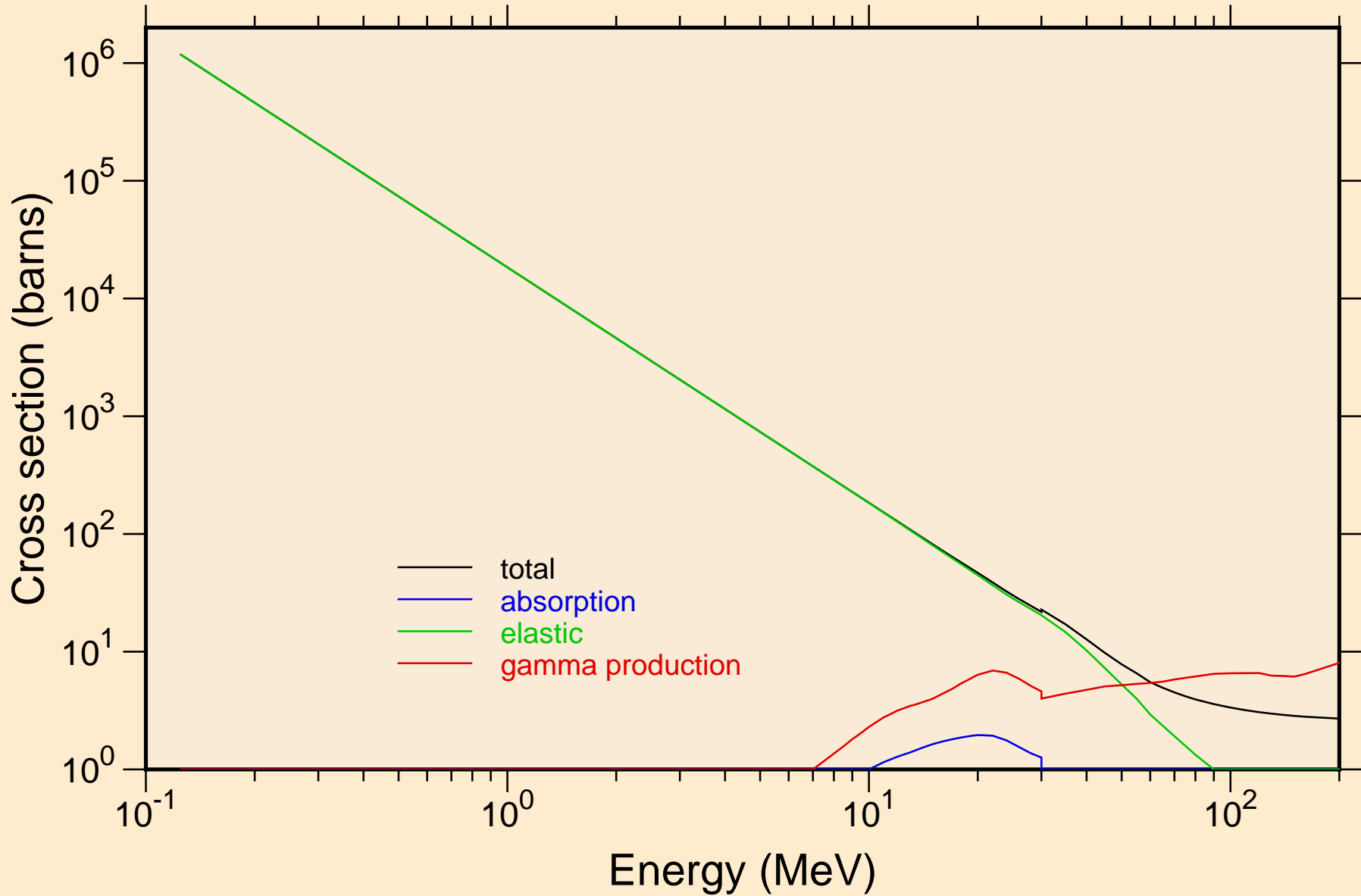


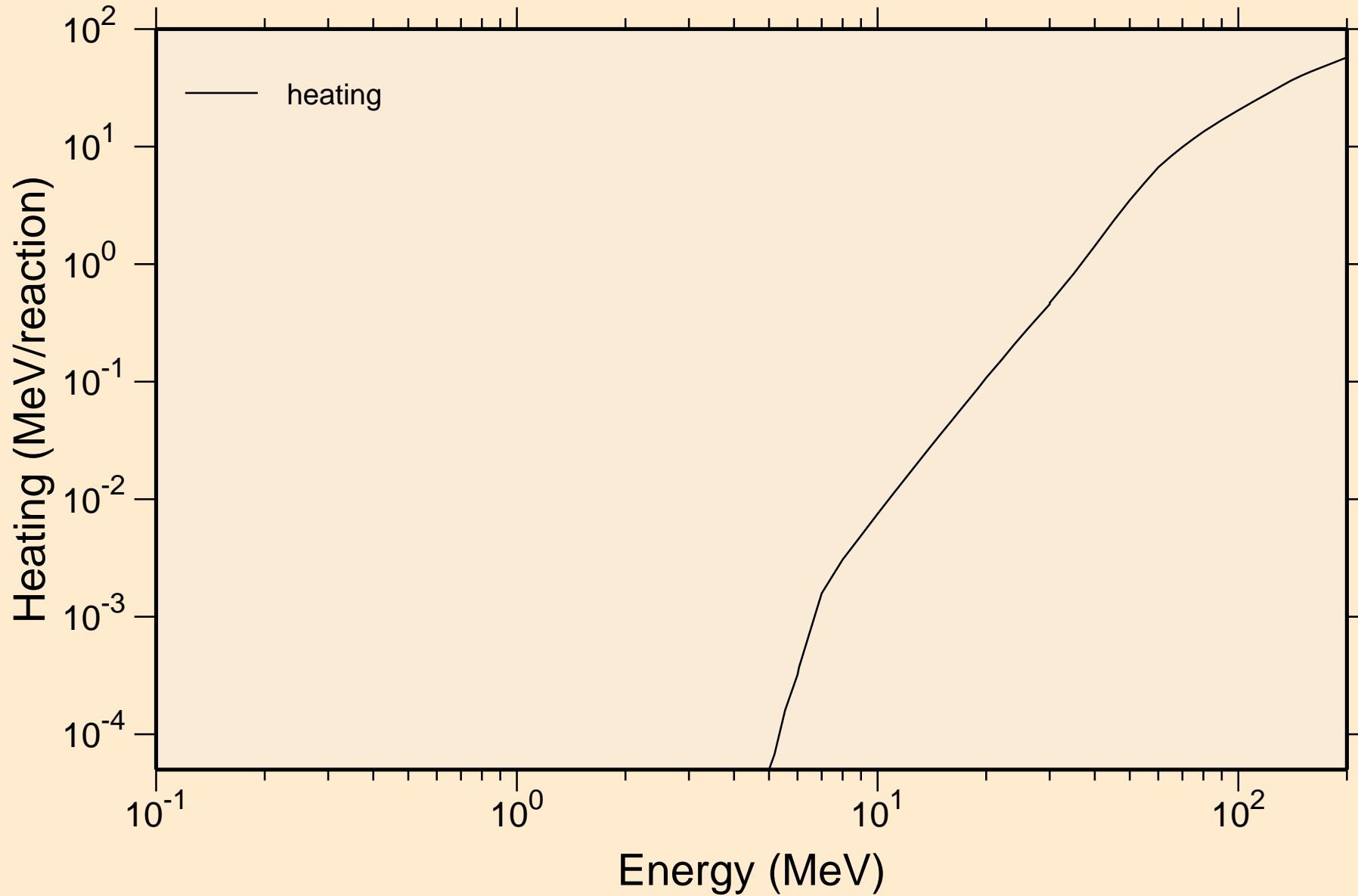
# XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



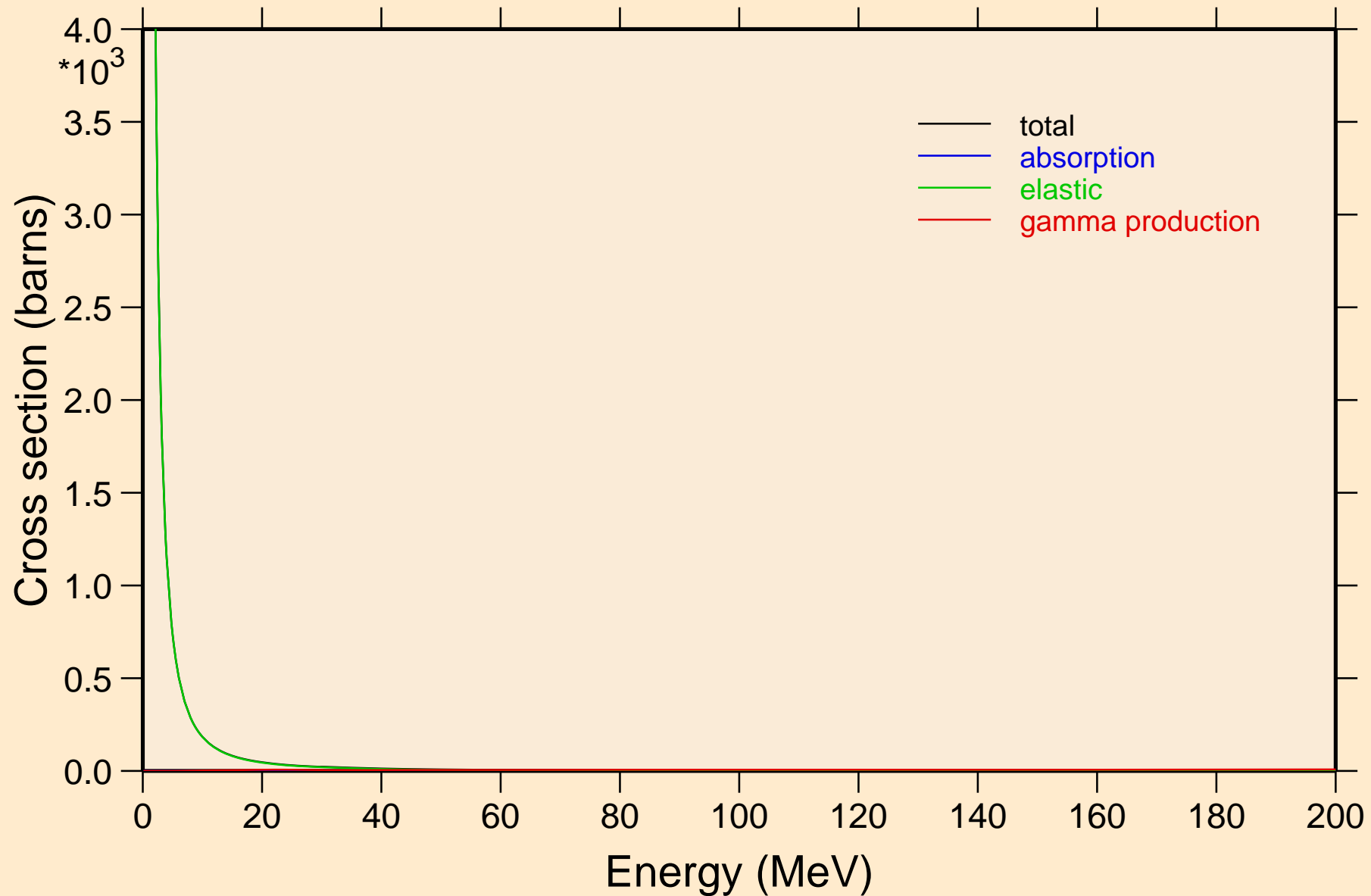
# XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



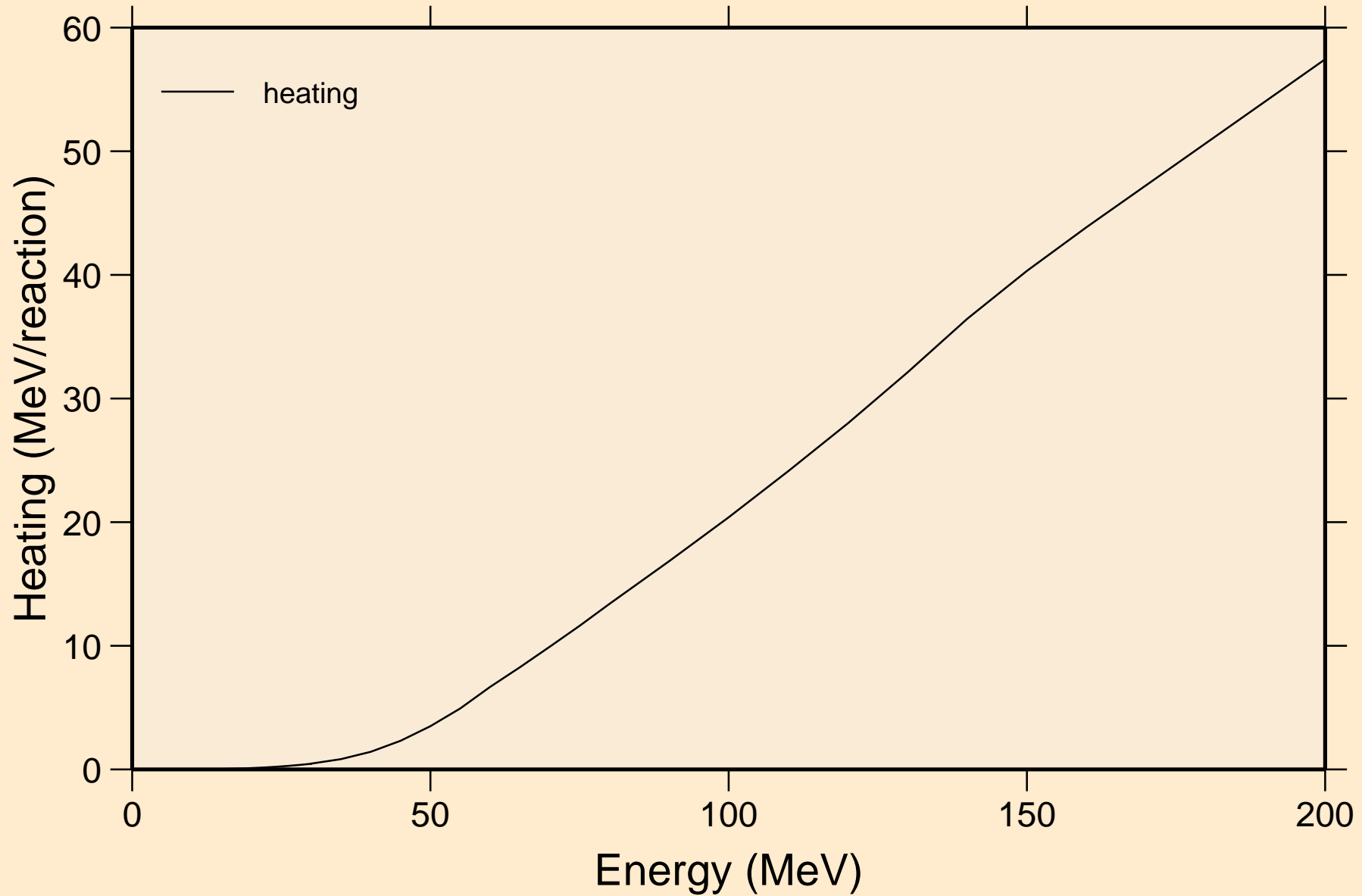
# XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



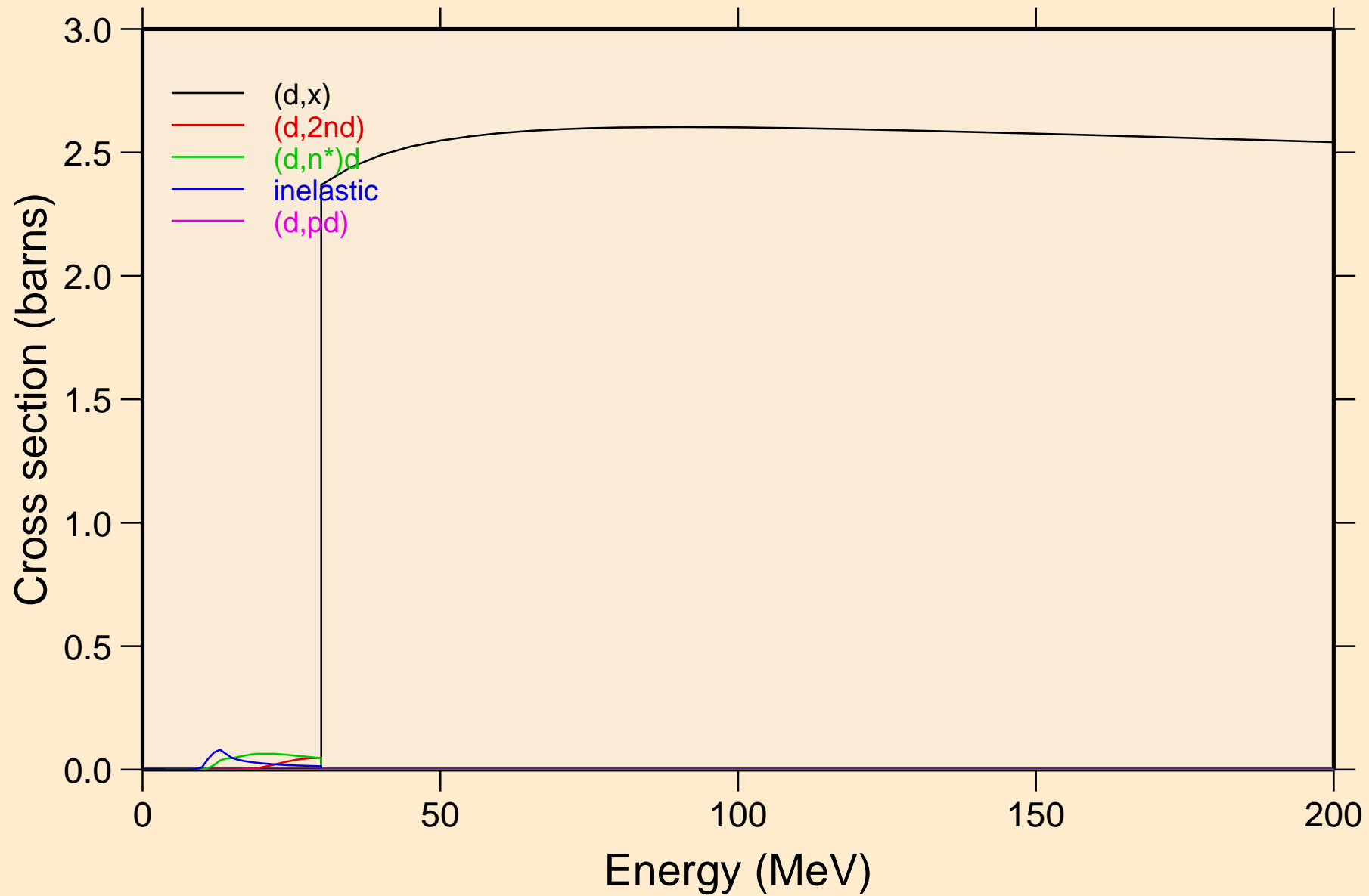
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K

Heating

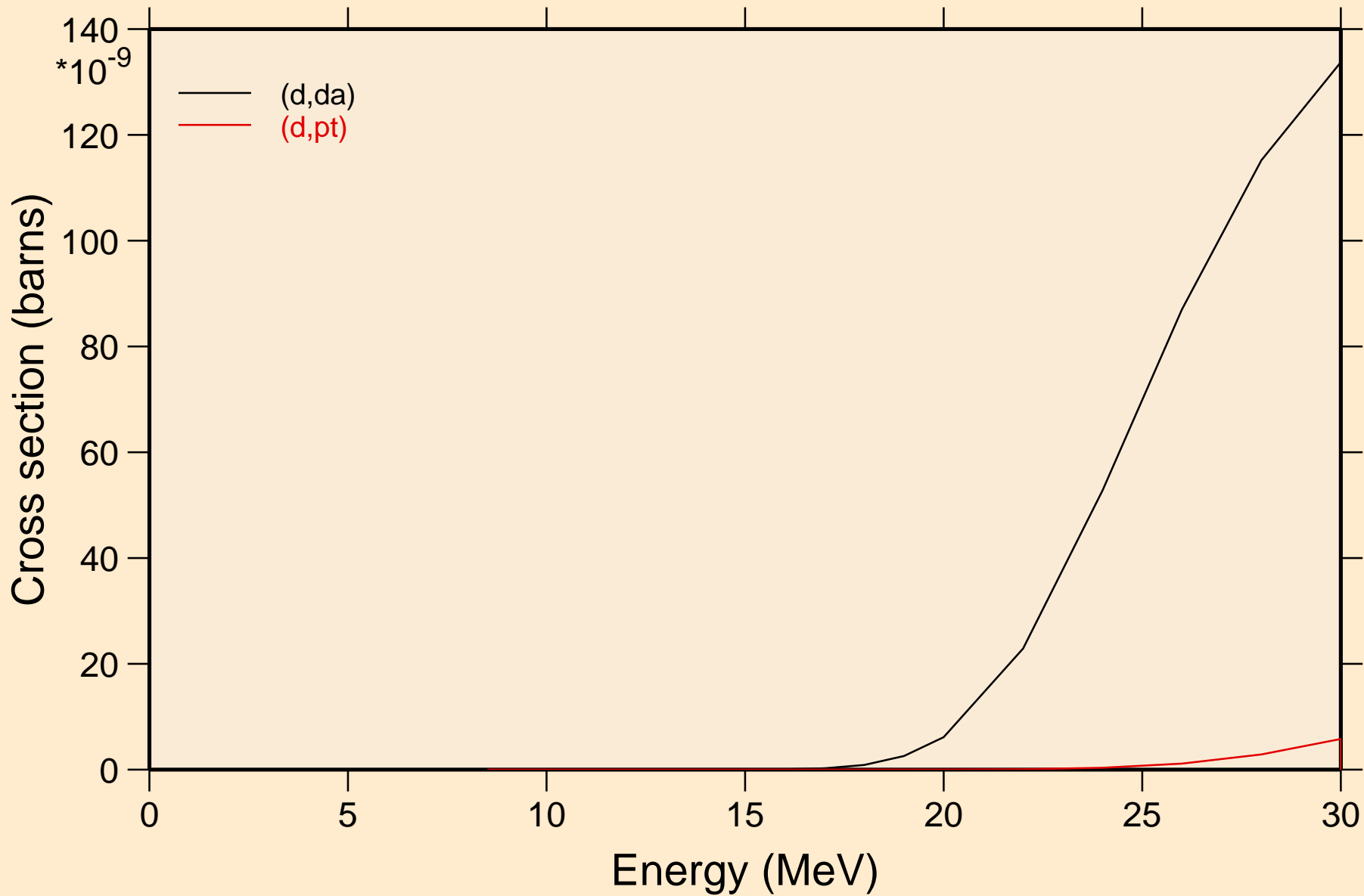


# XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K

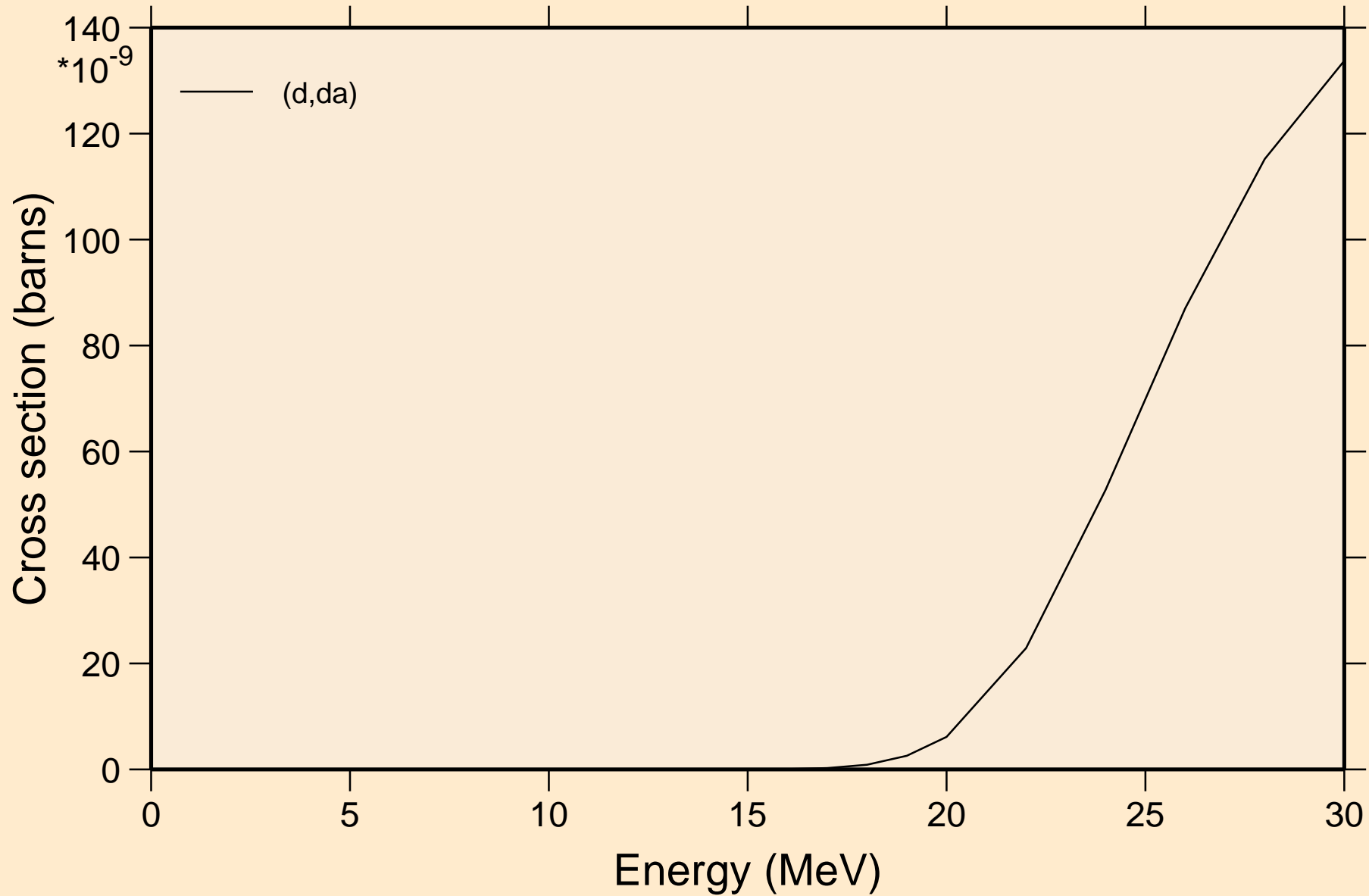
## Threshold reactions



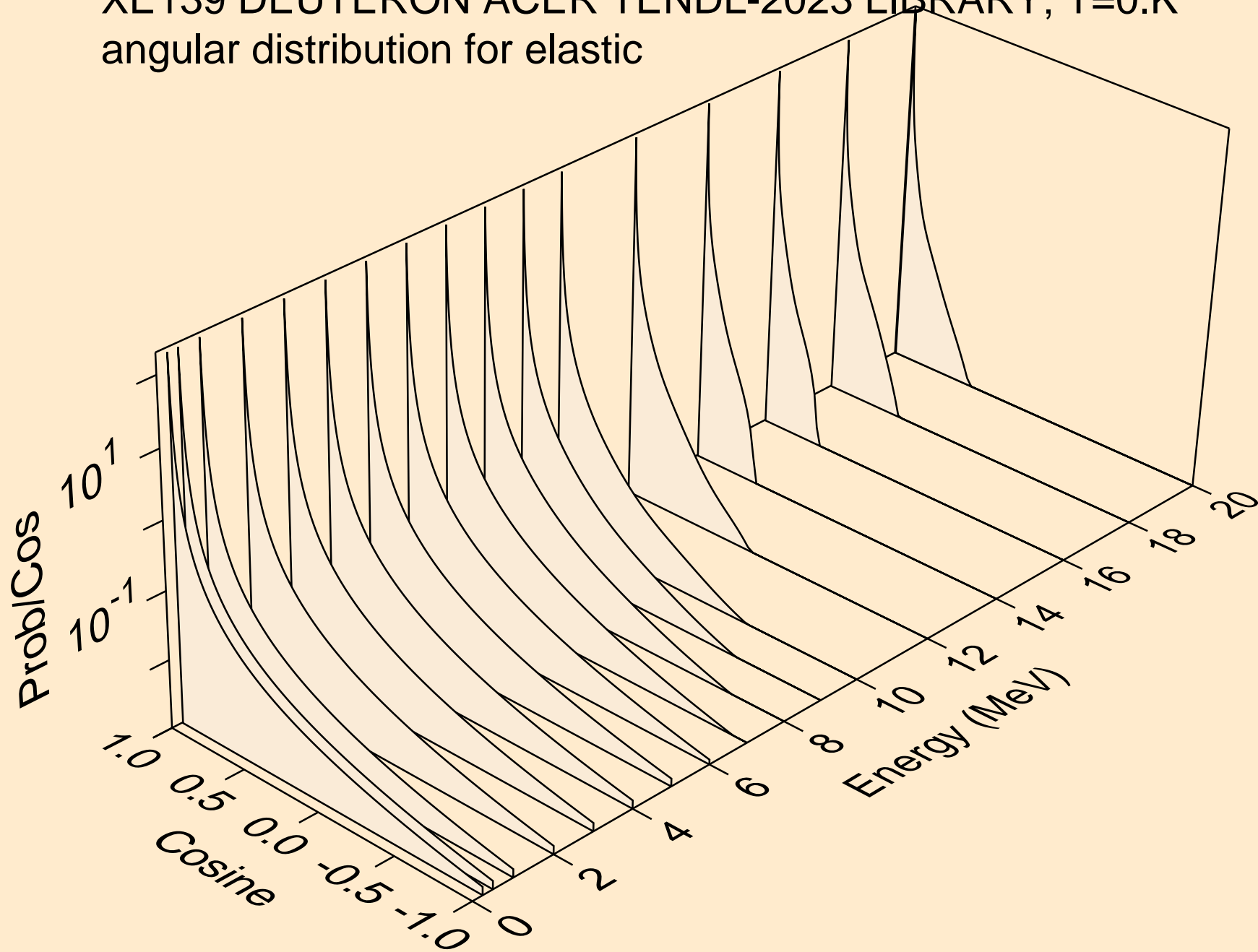
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

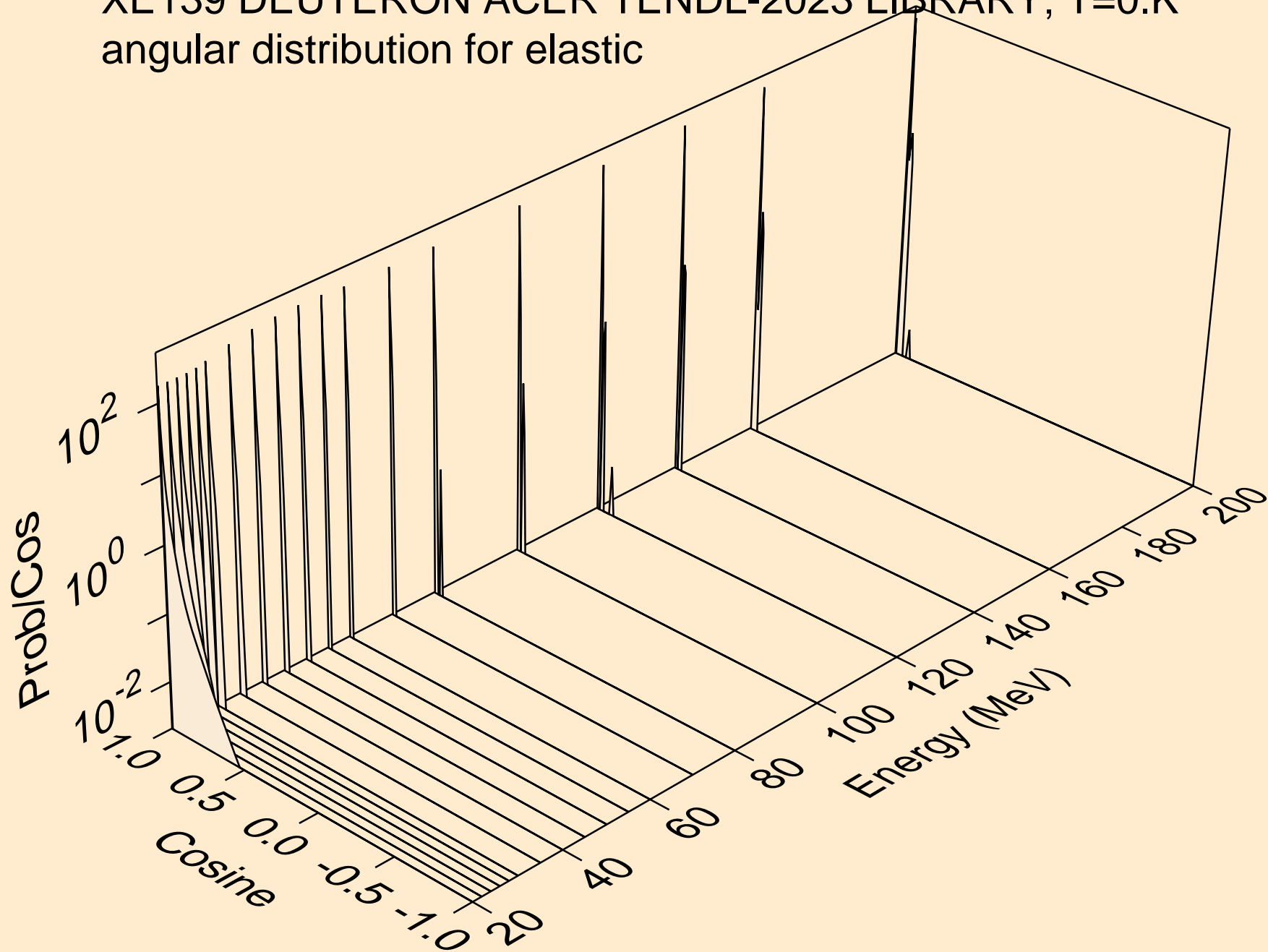


XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

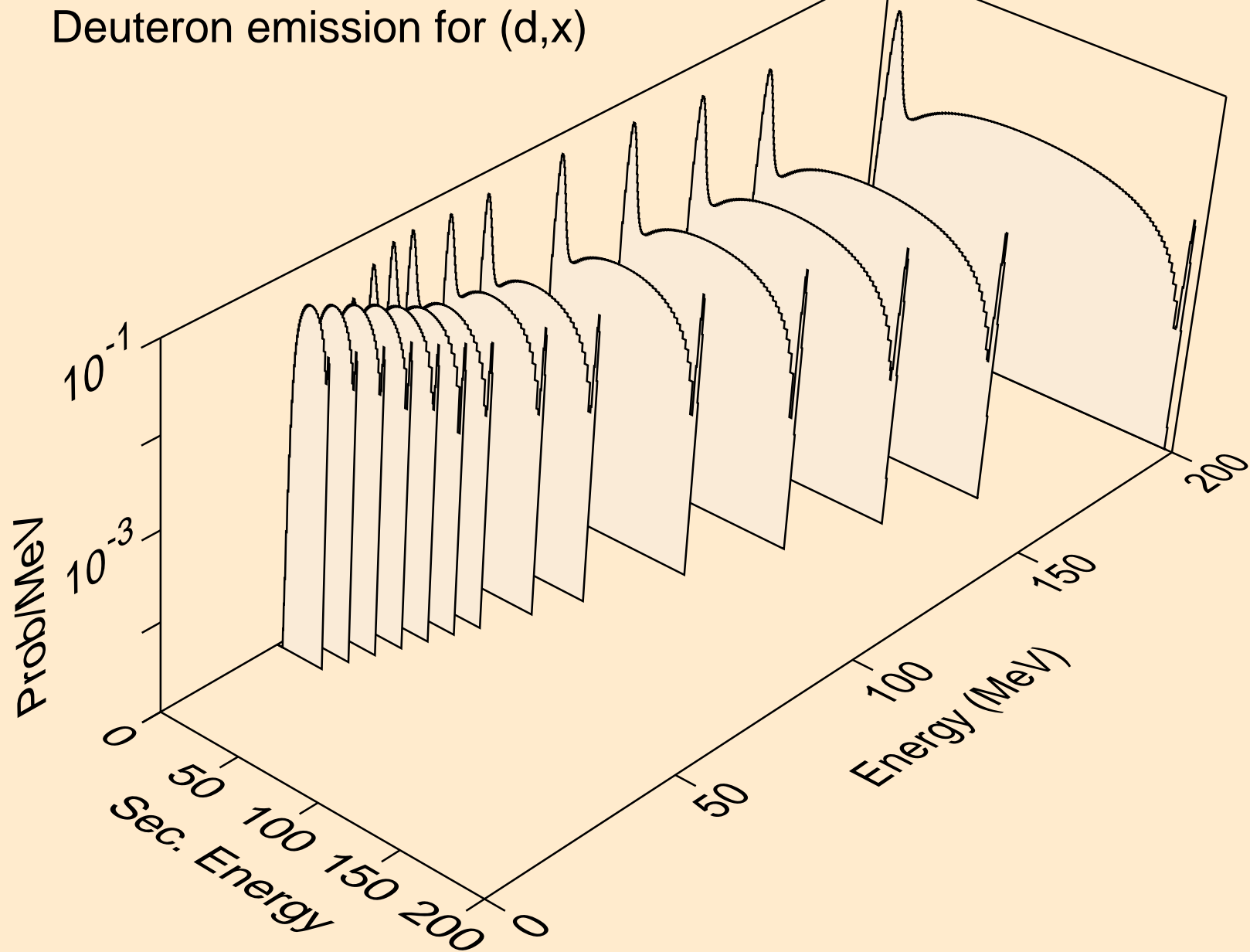




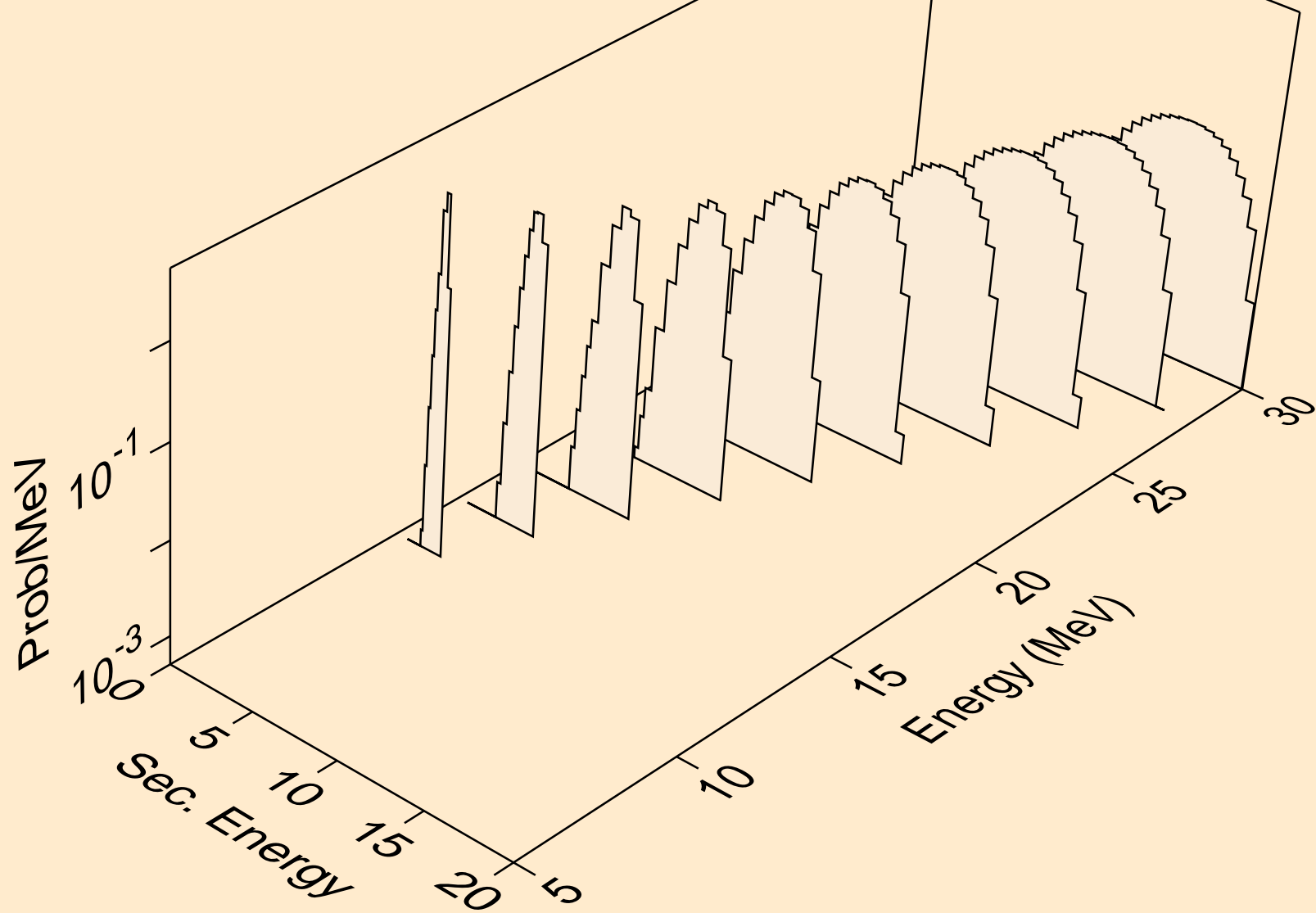
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



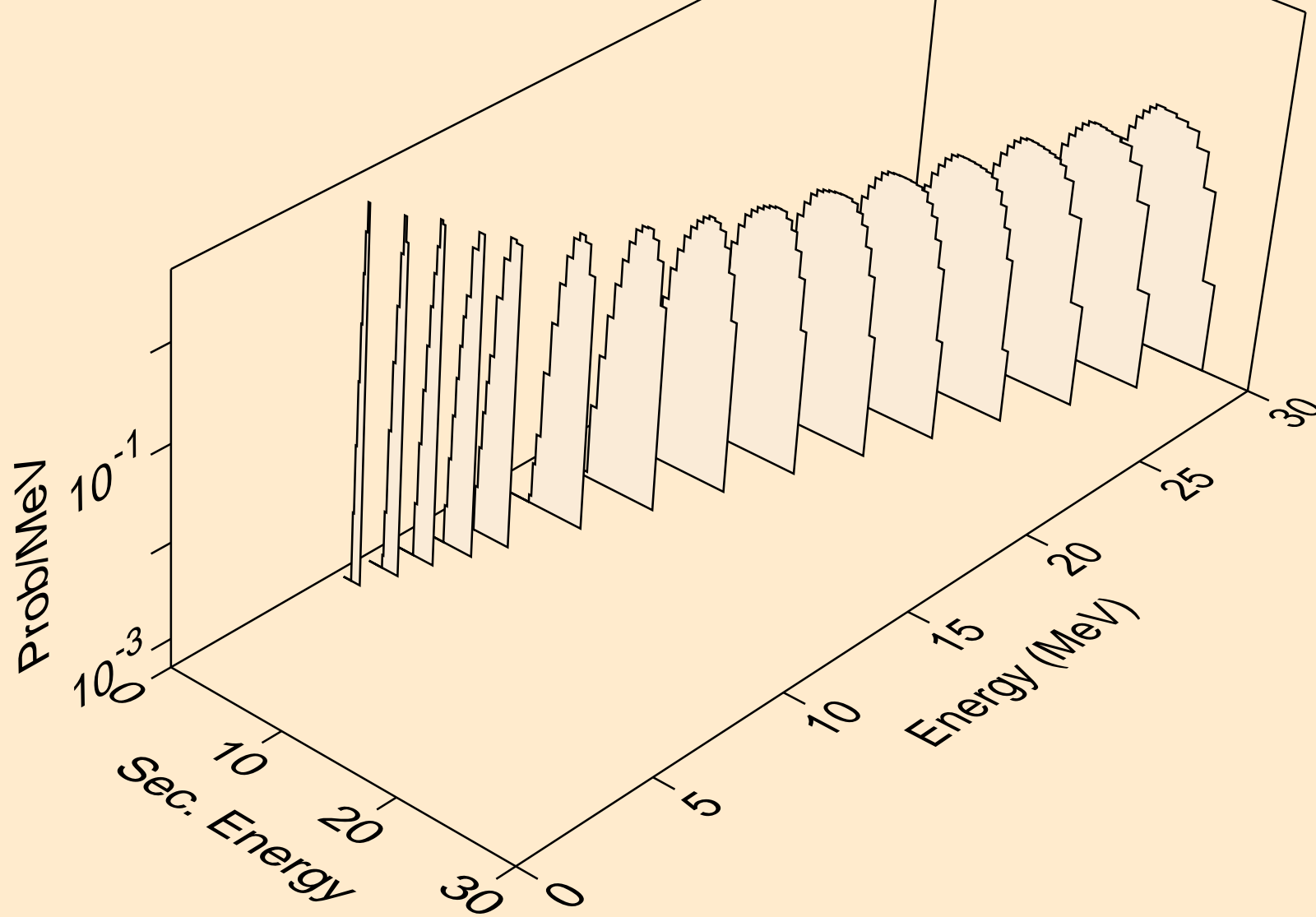
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
Deuteron emission for (d,x)



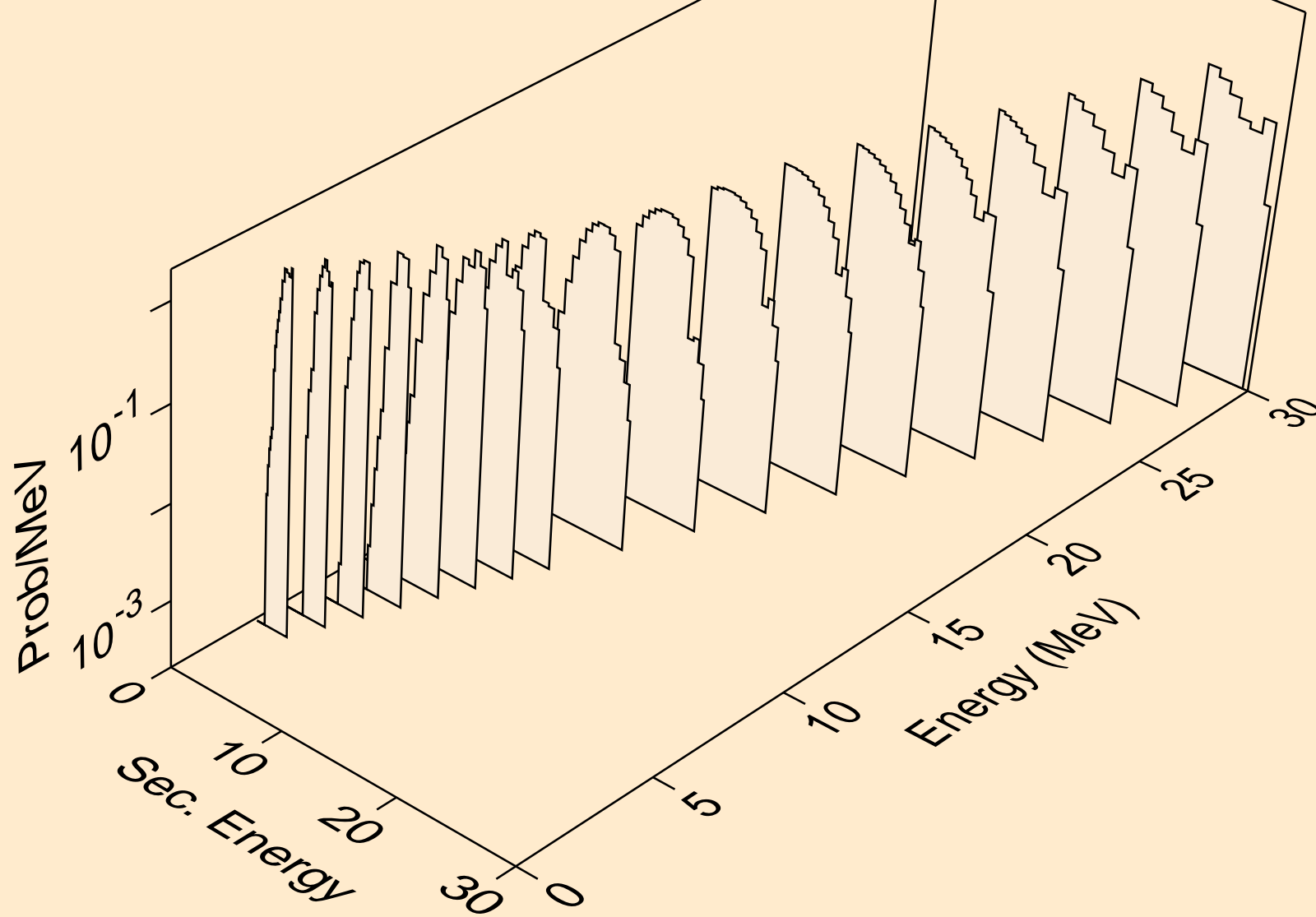
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
Deuteron emission for (d,2nd)



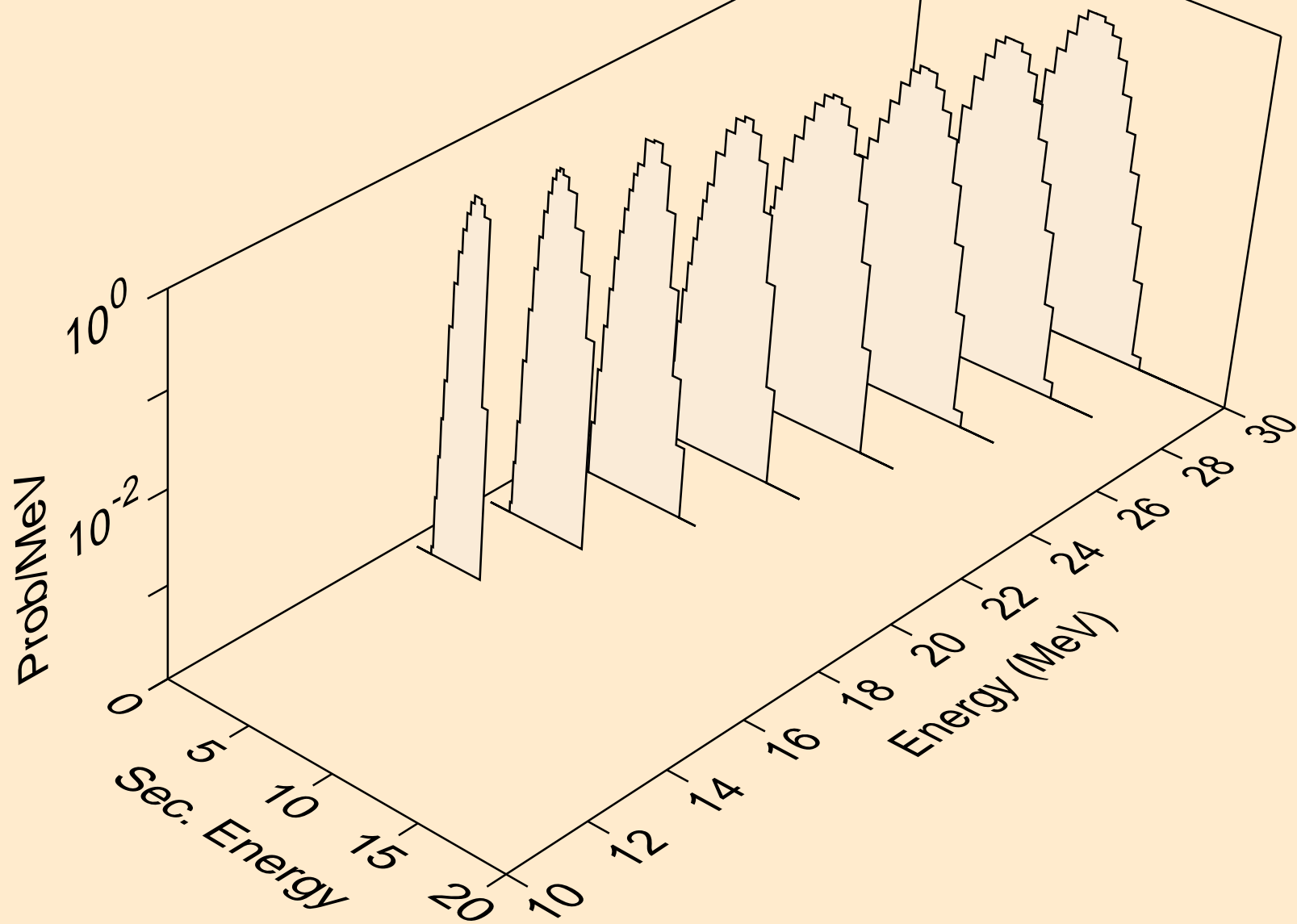
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
Deuteron emission for (d,n\*)d



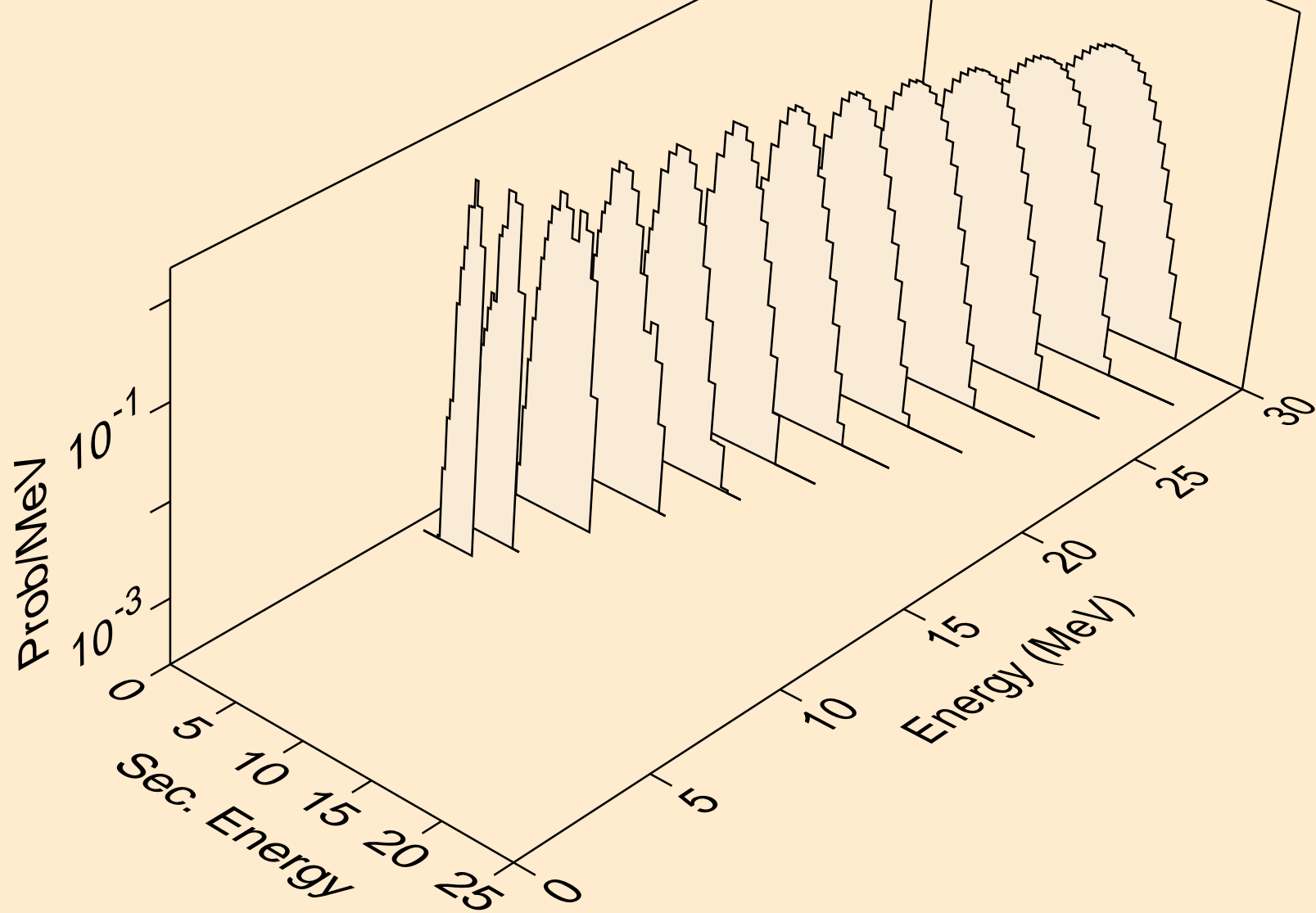
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
Deuteron emission for inelastic



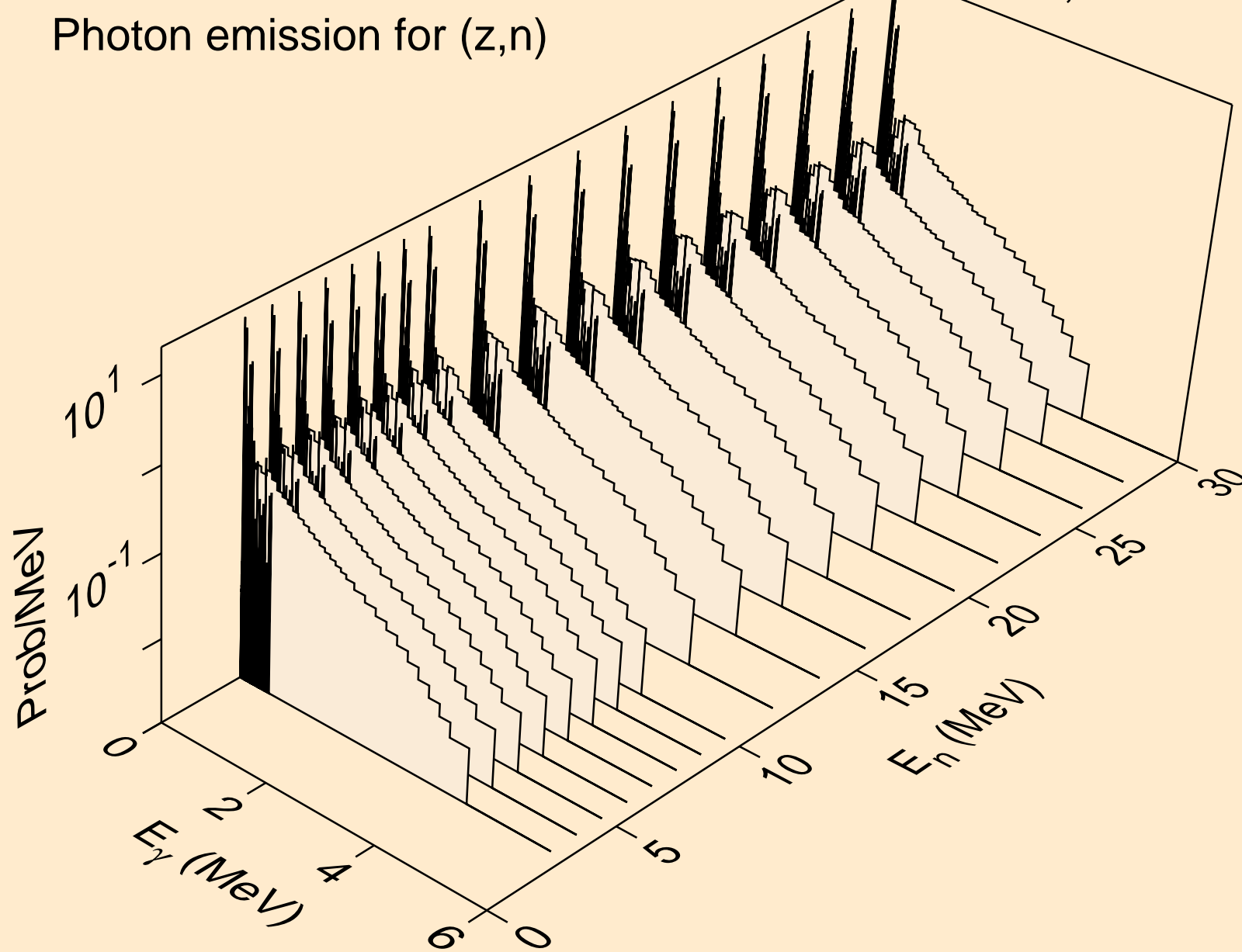
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
Deuteron emission for (d,pd)



XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
Deuteron emission for (d,da)

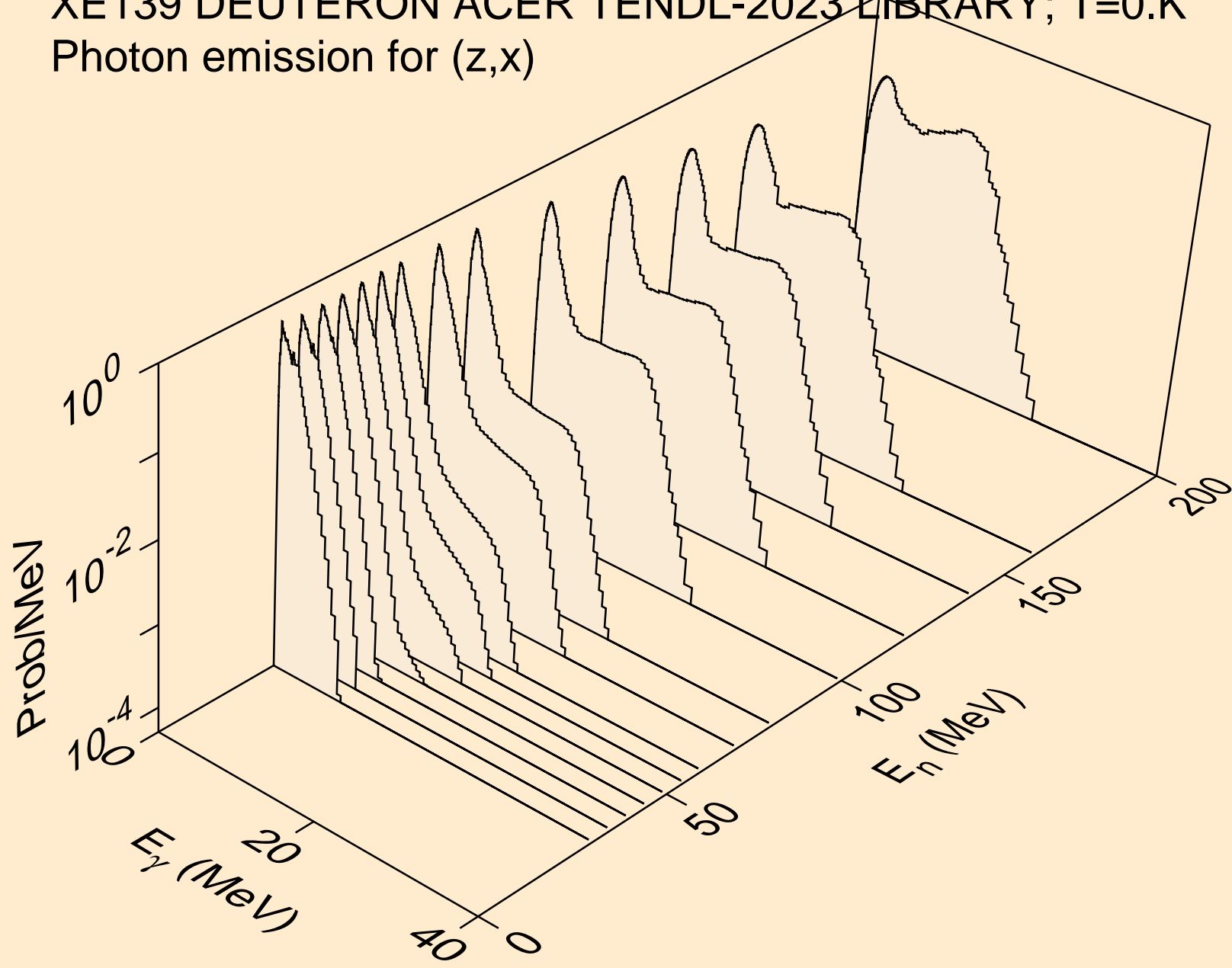


XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)

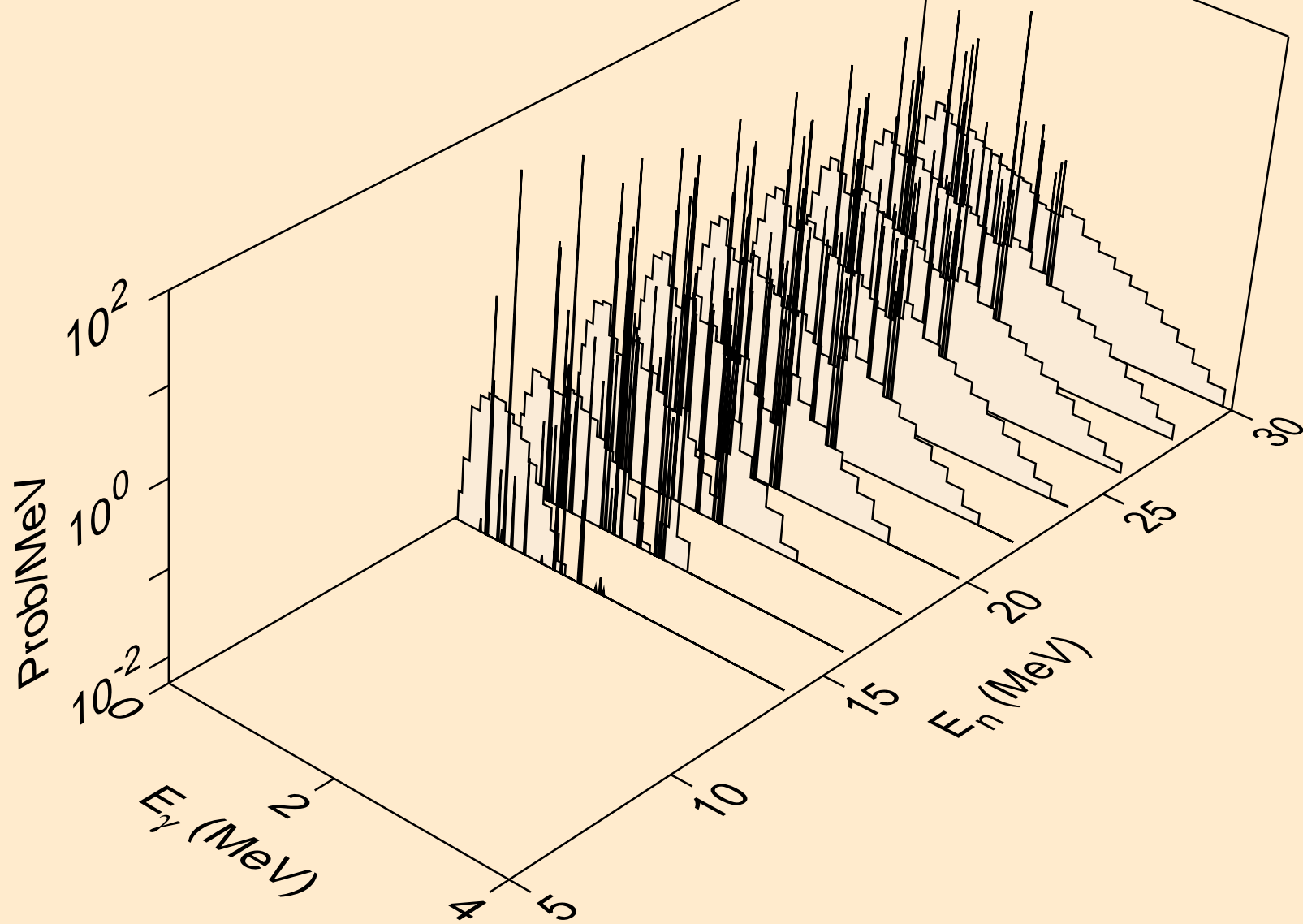




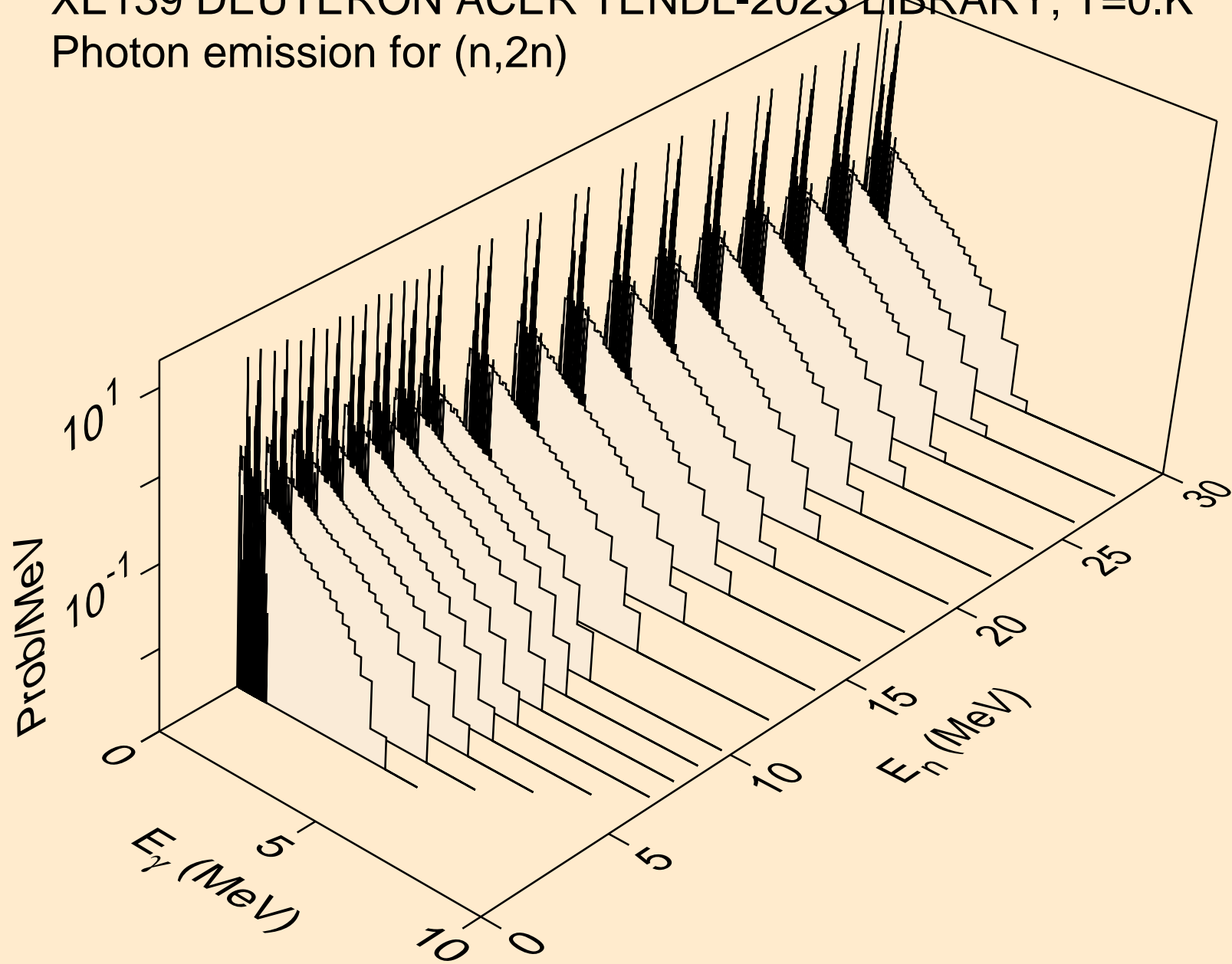
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



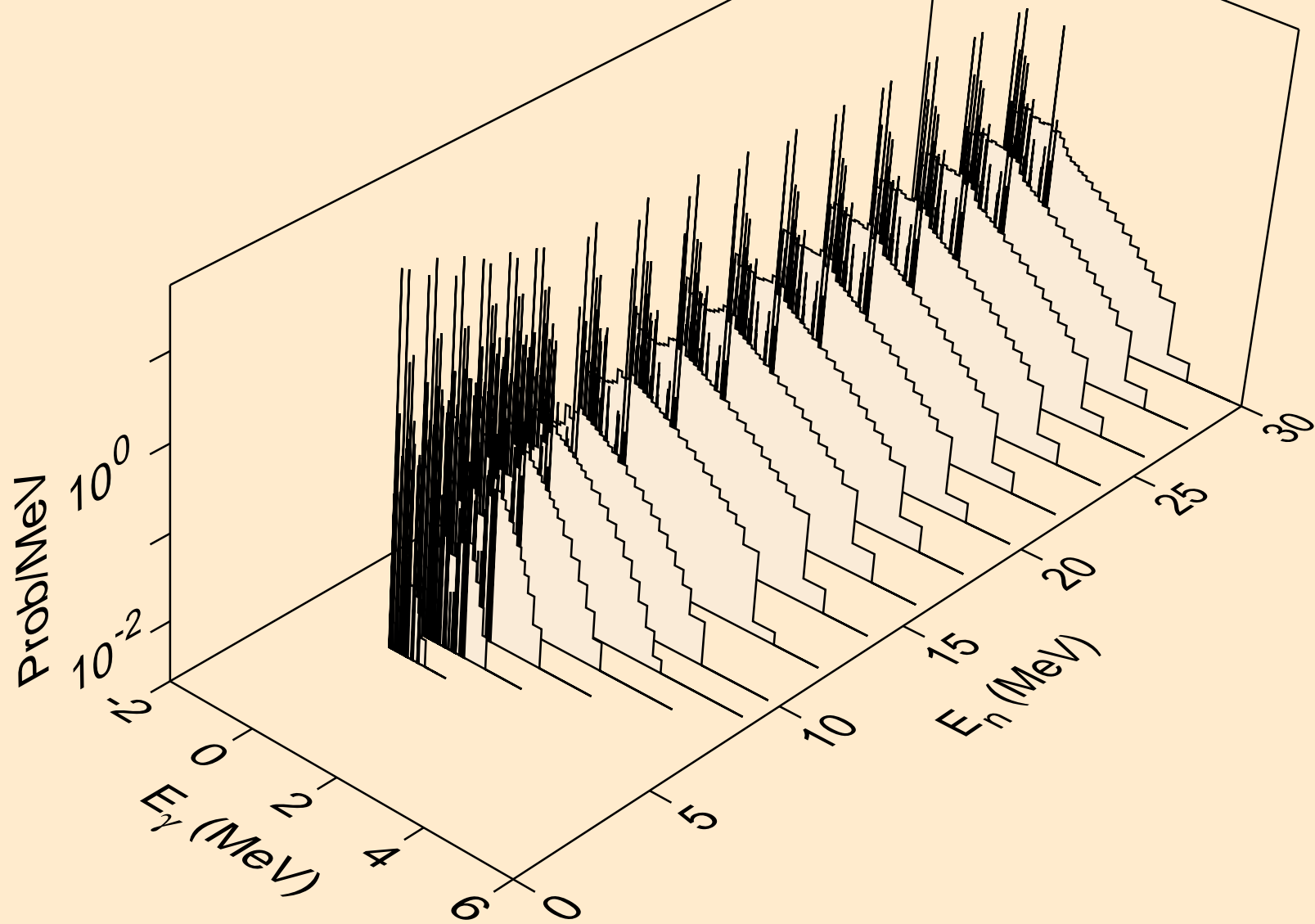
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



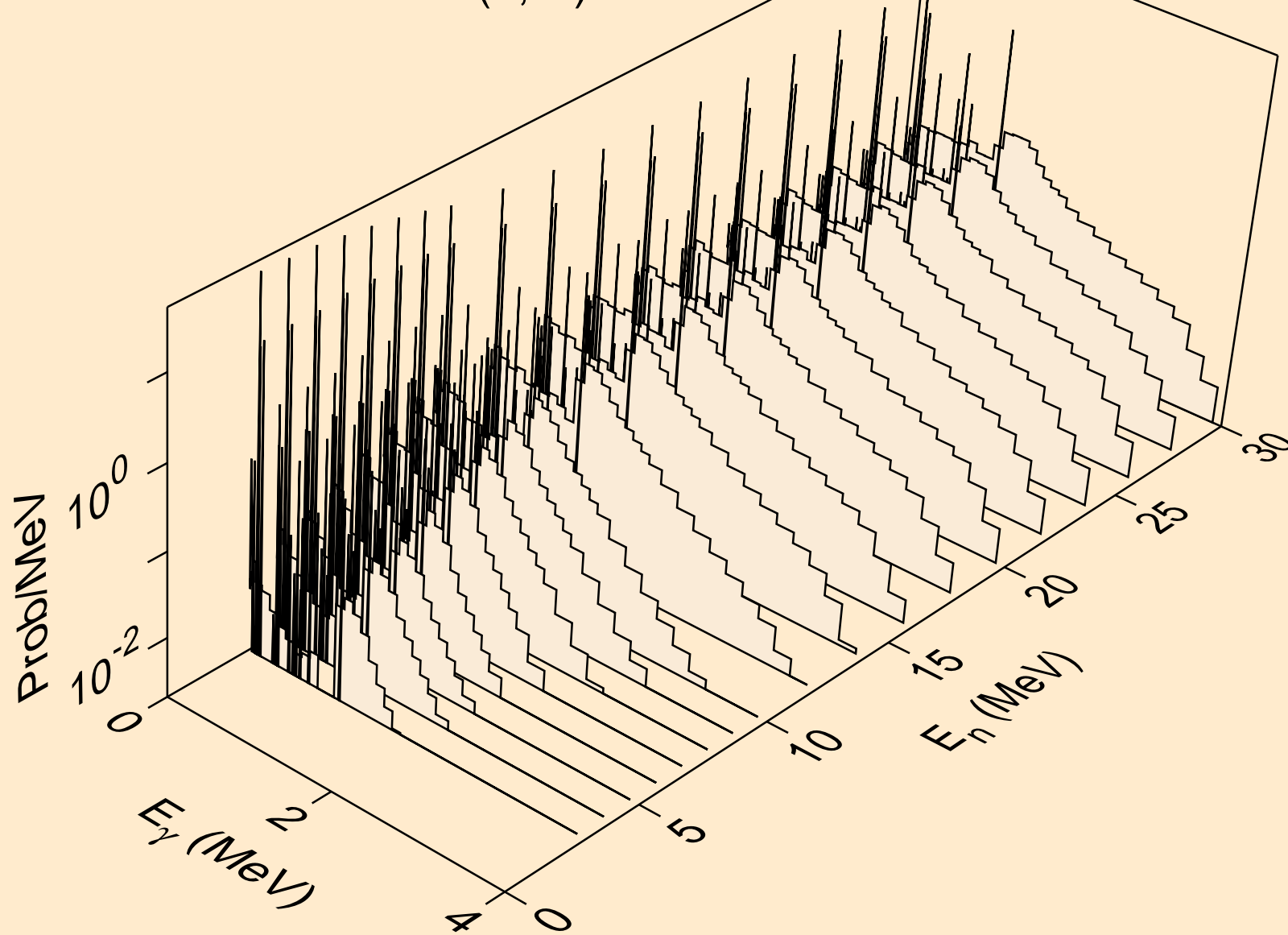
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Photon emission for (n,2n)



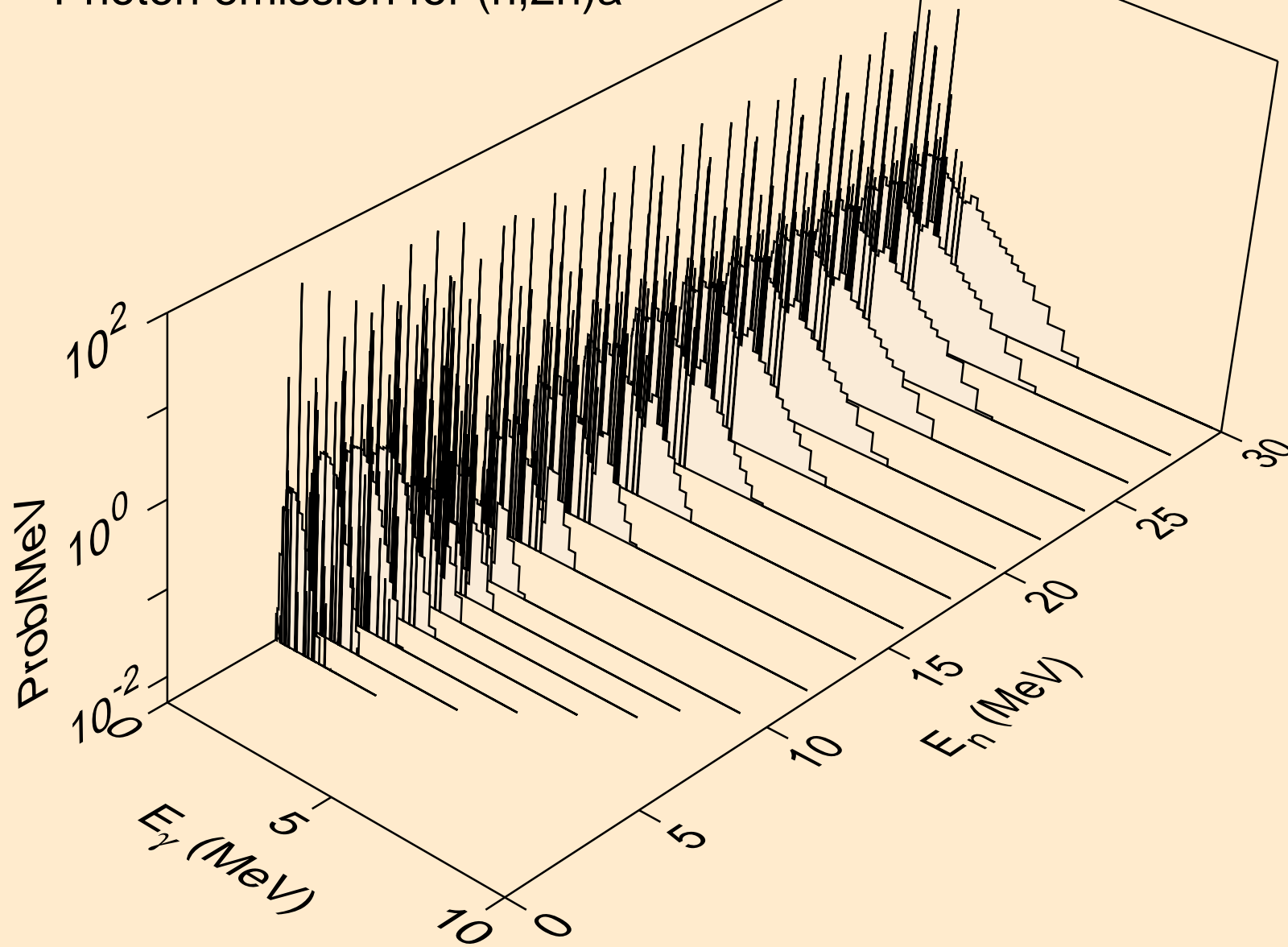
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



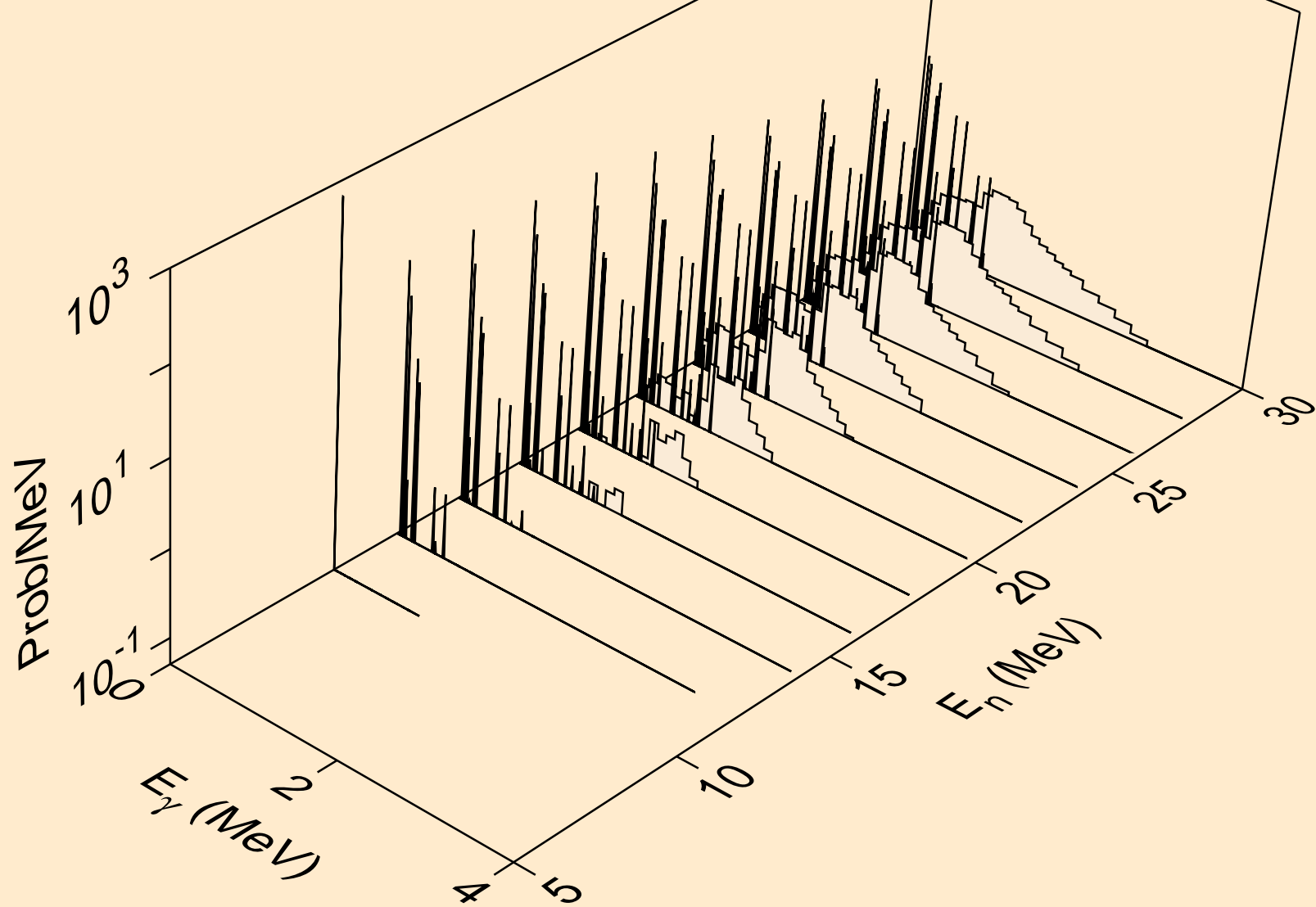
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



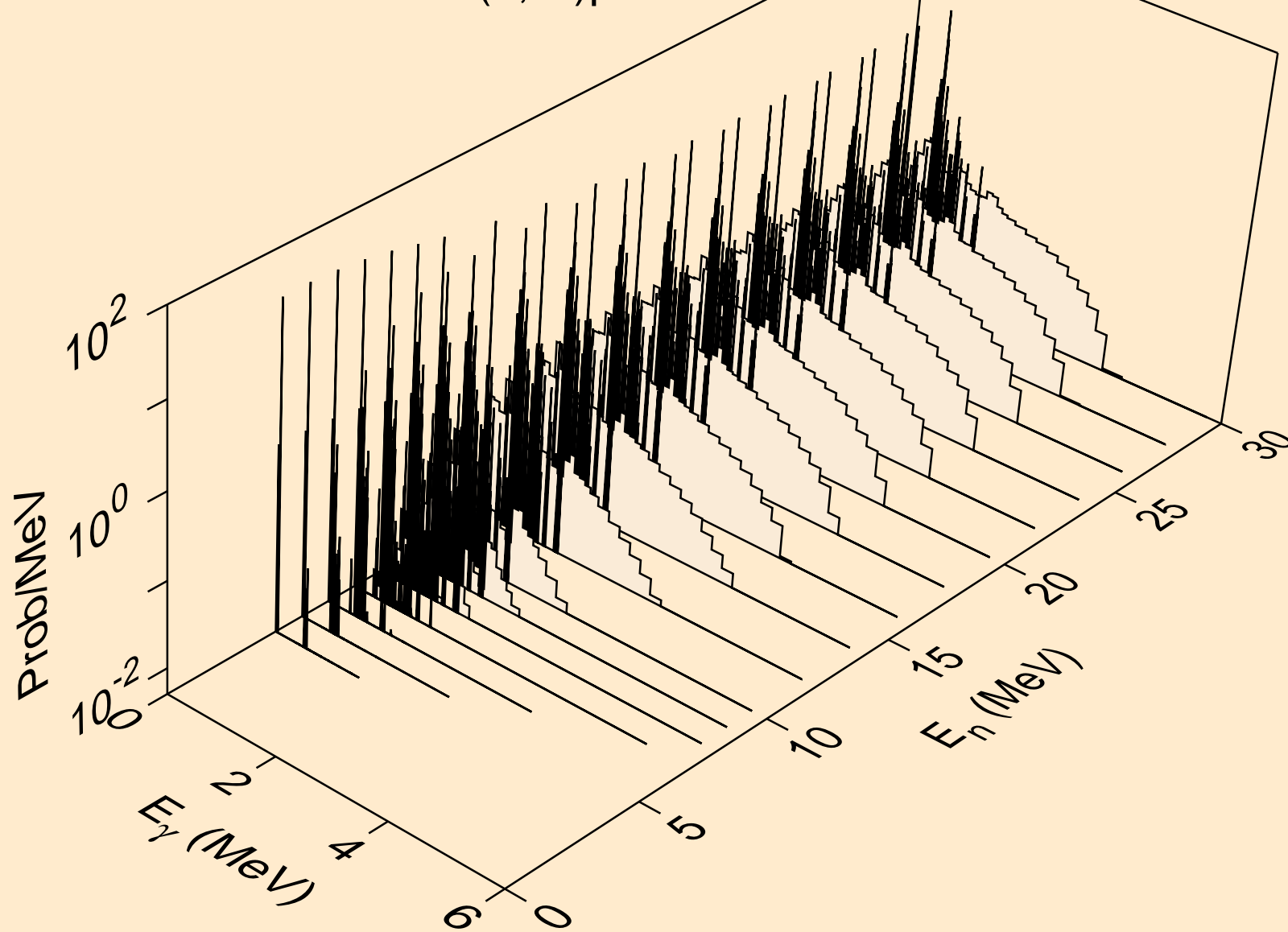
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



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Photon emission for (n,3n)a

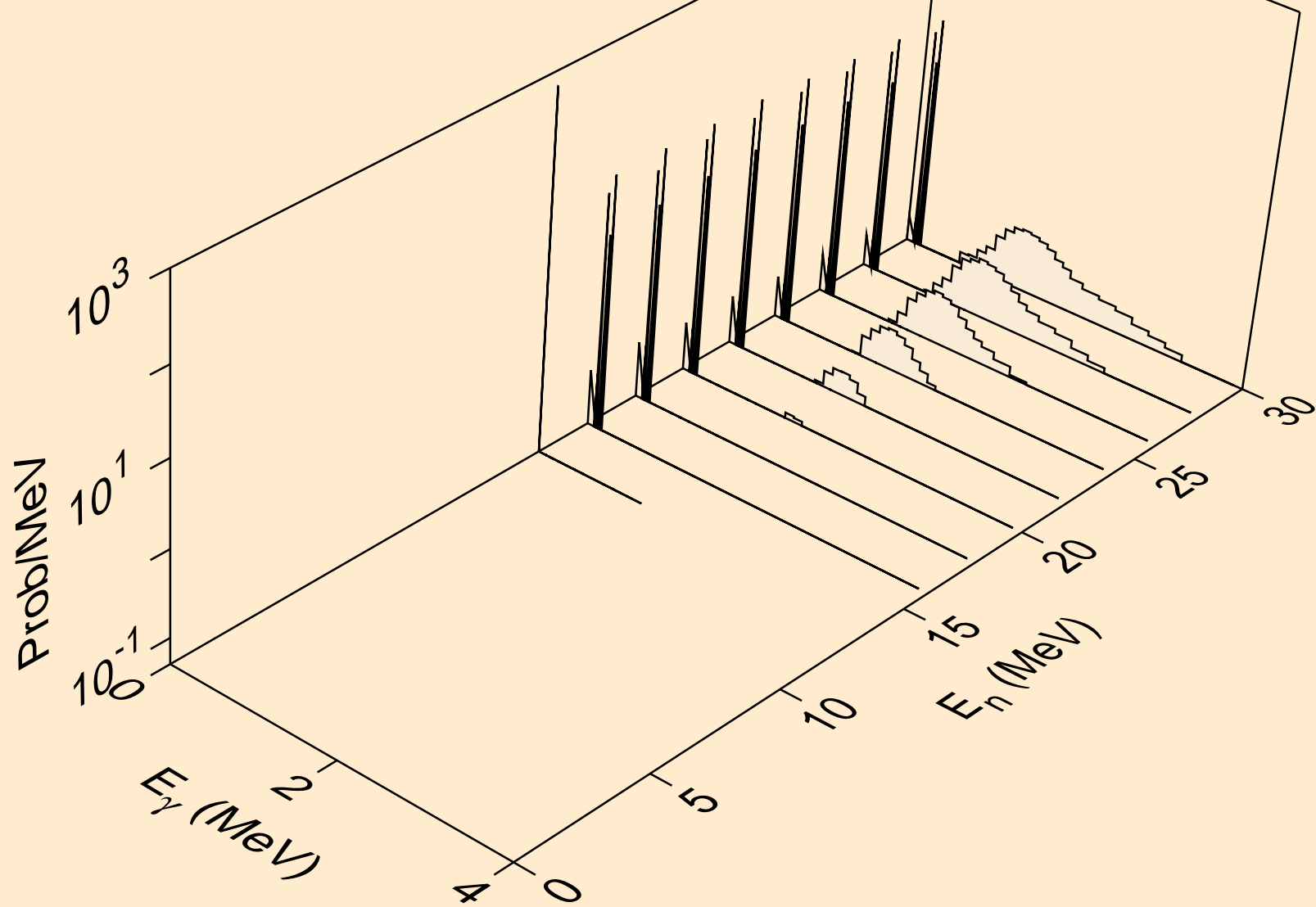


XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

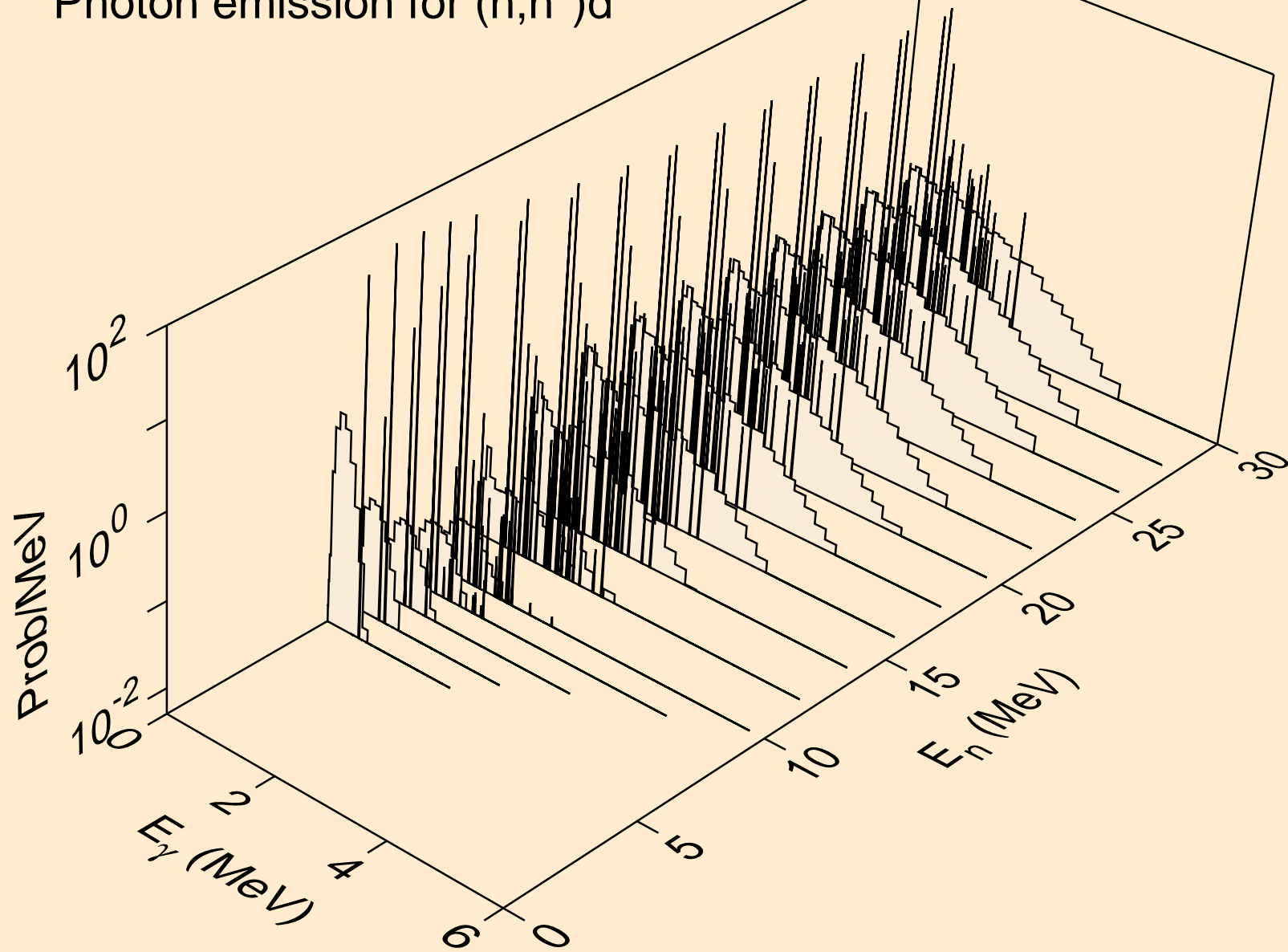




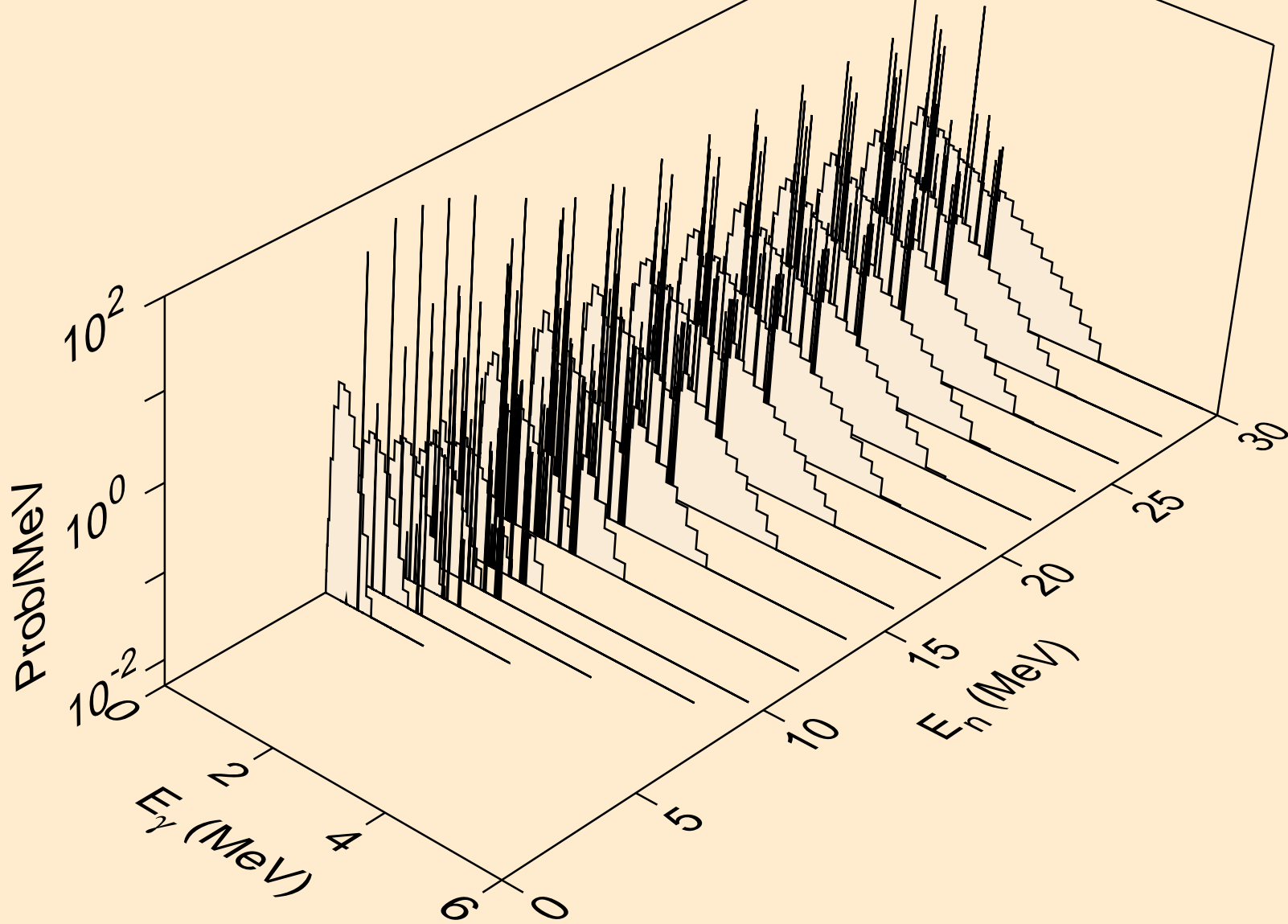
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Photon emission for (n,n\*)2a



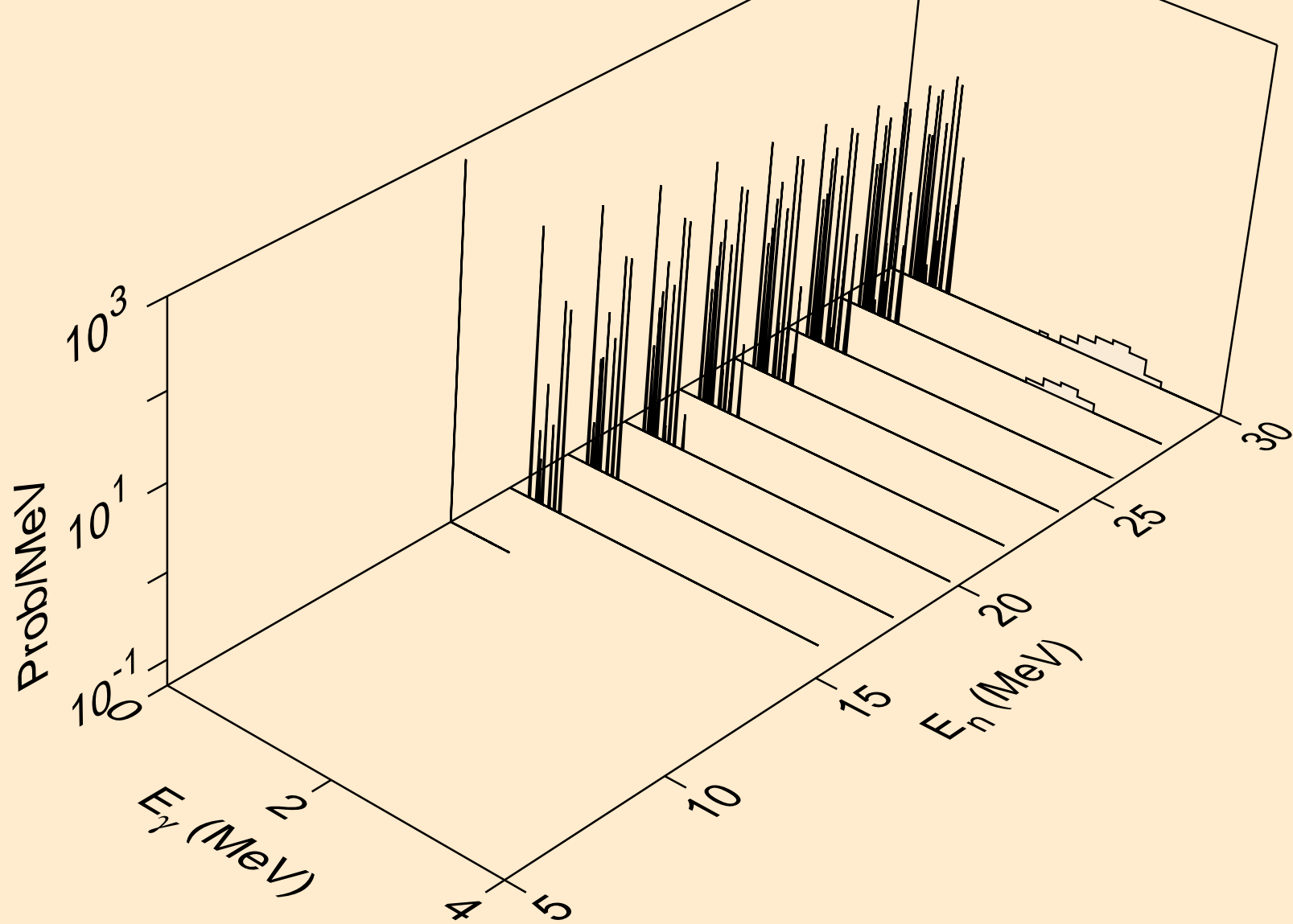
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Photon emission for (n,n\*)d



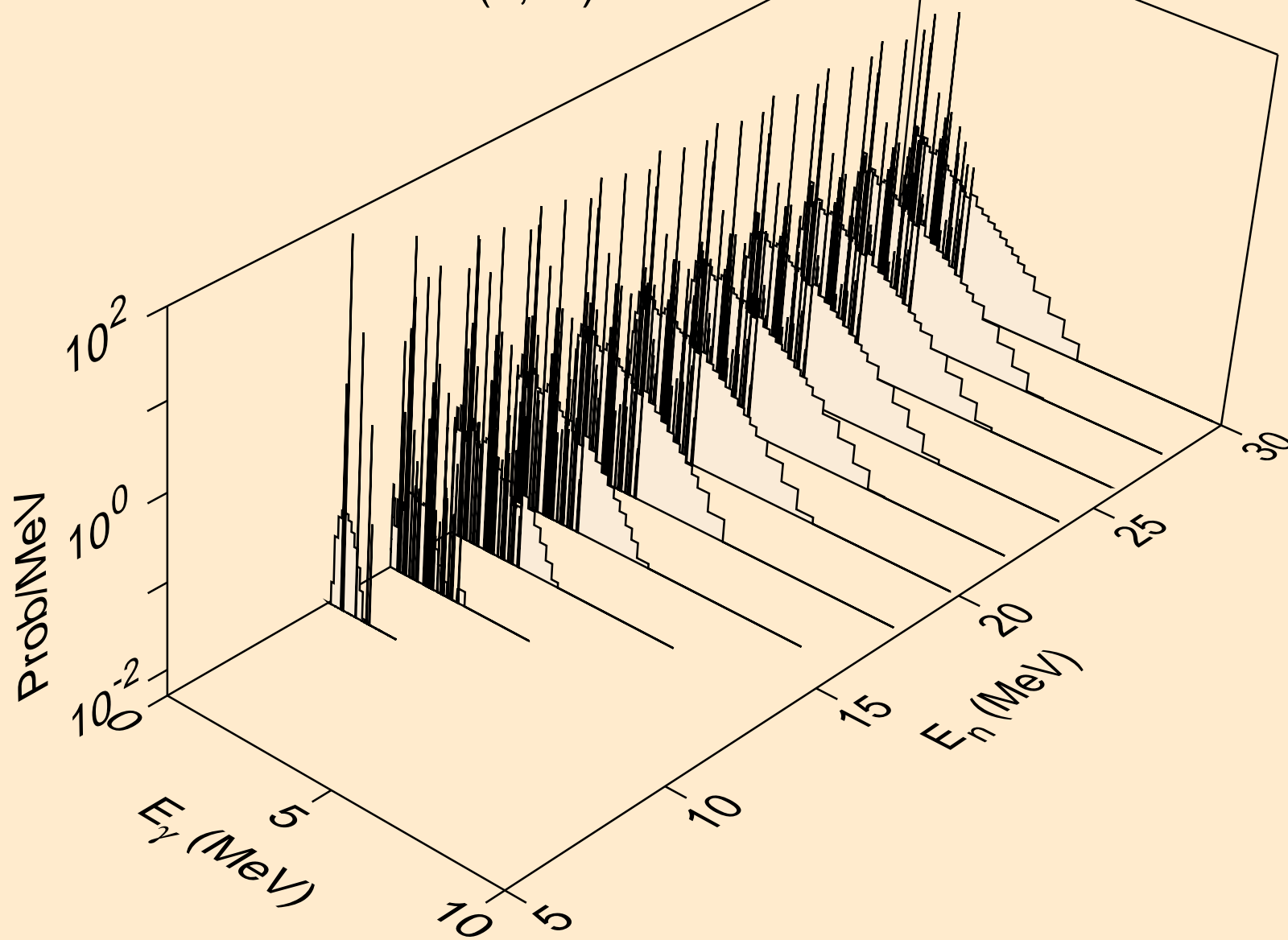
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



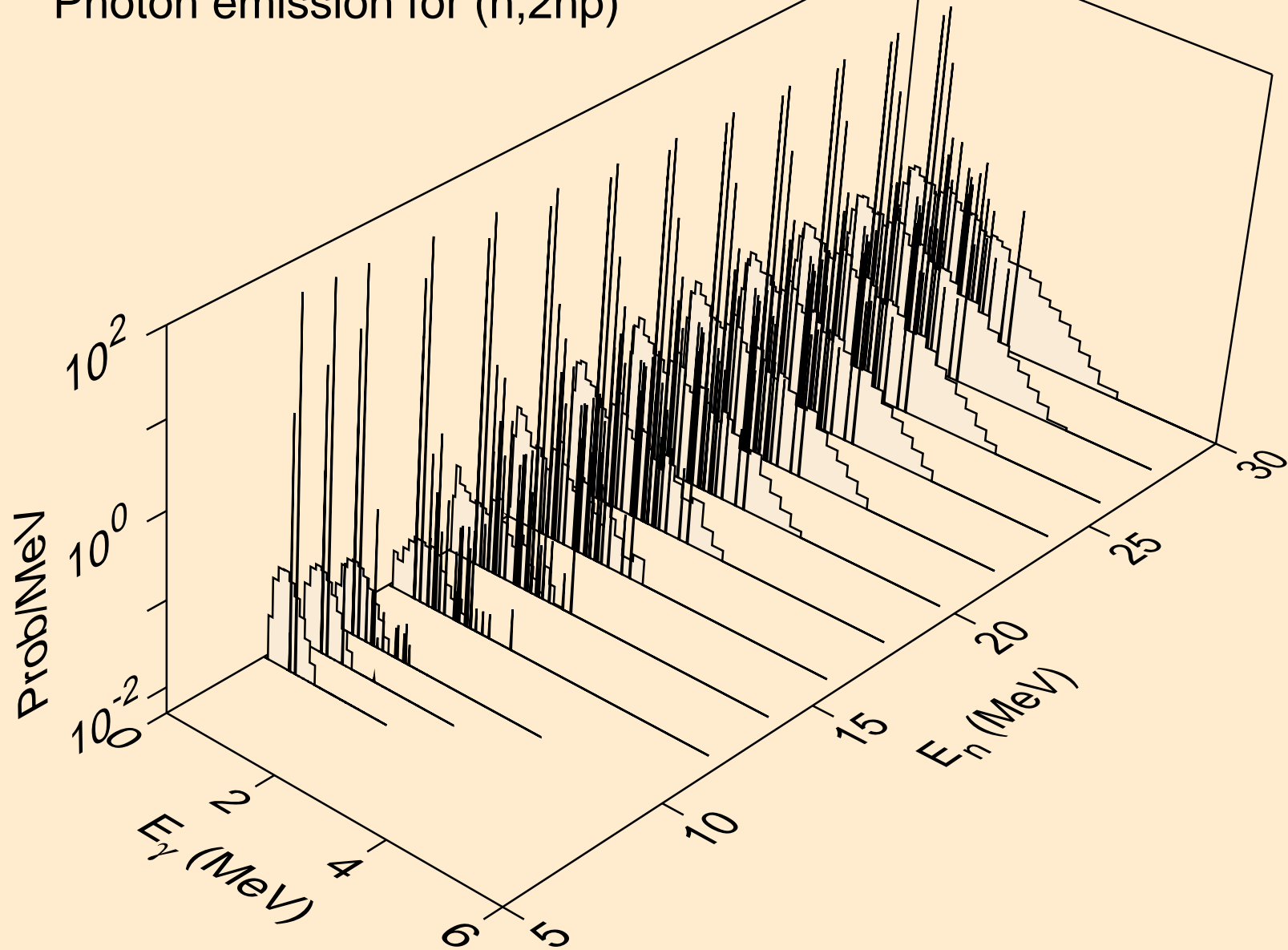
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



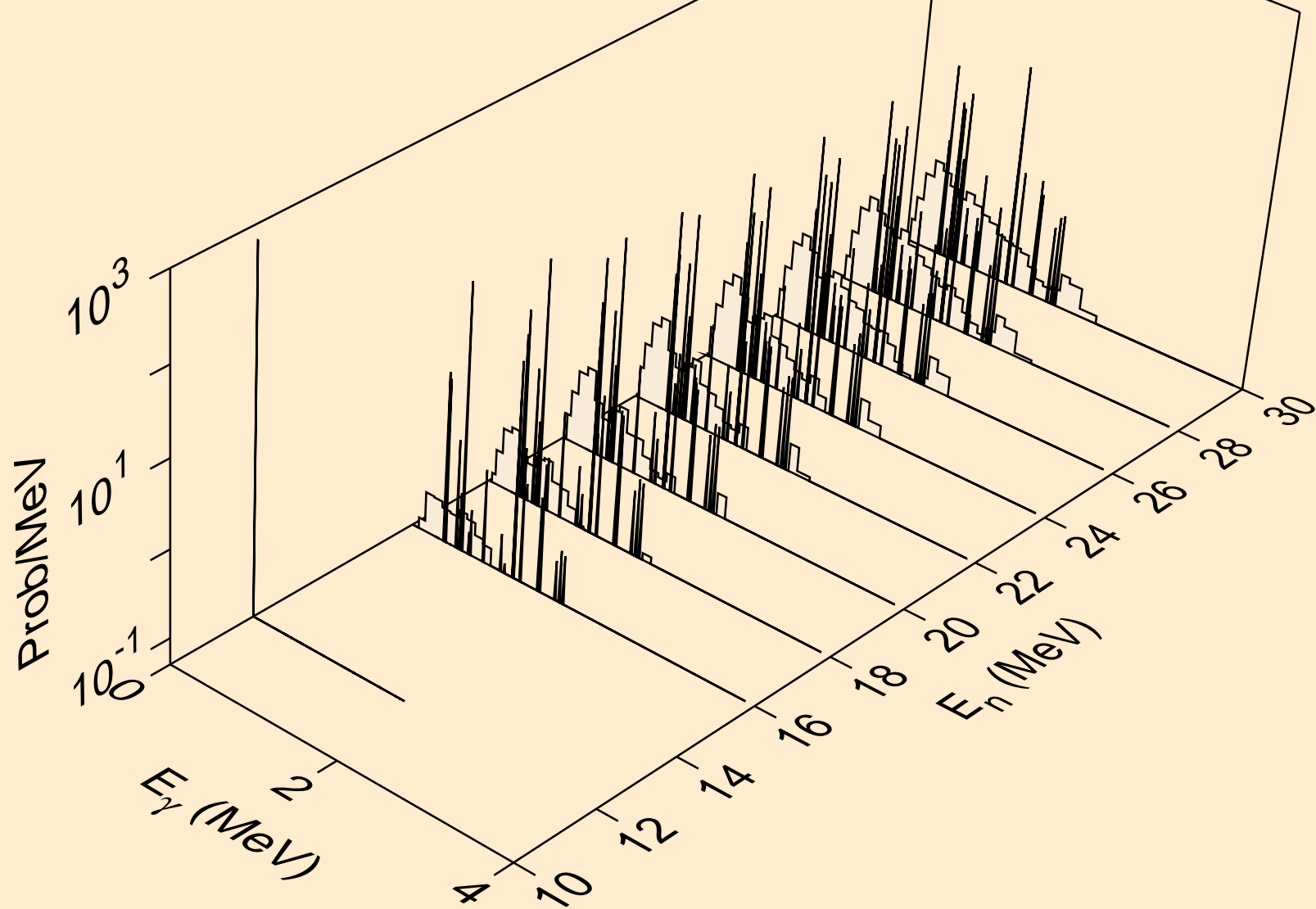
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Photon emission for (n,4n)



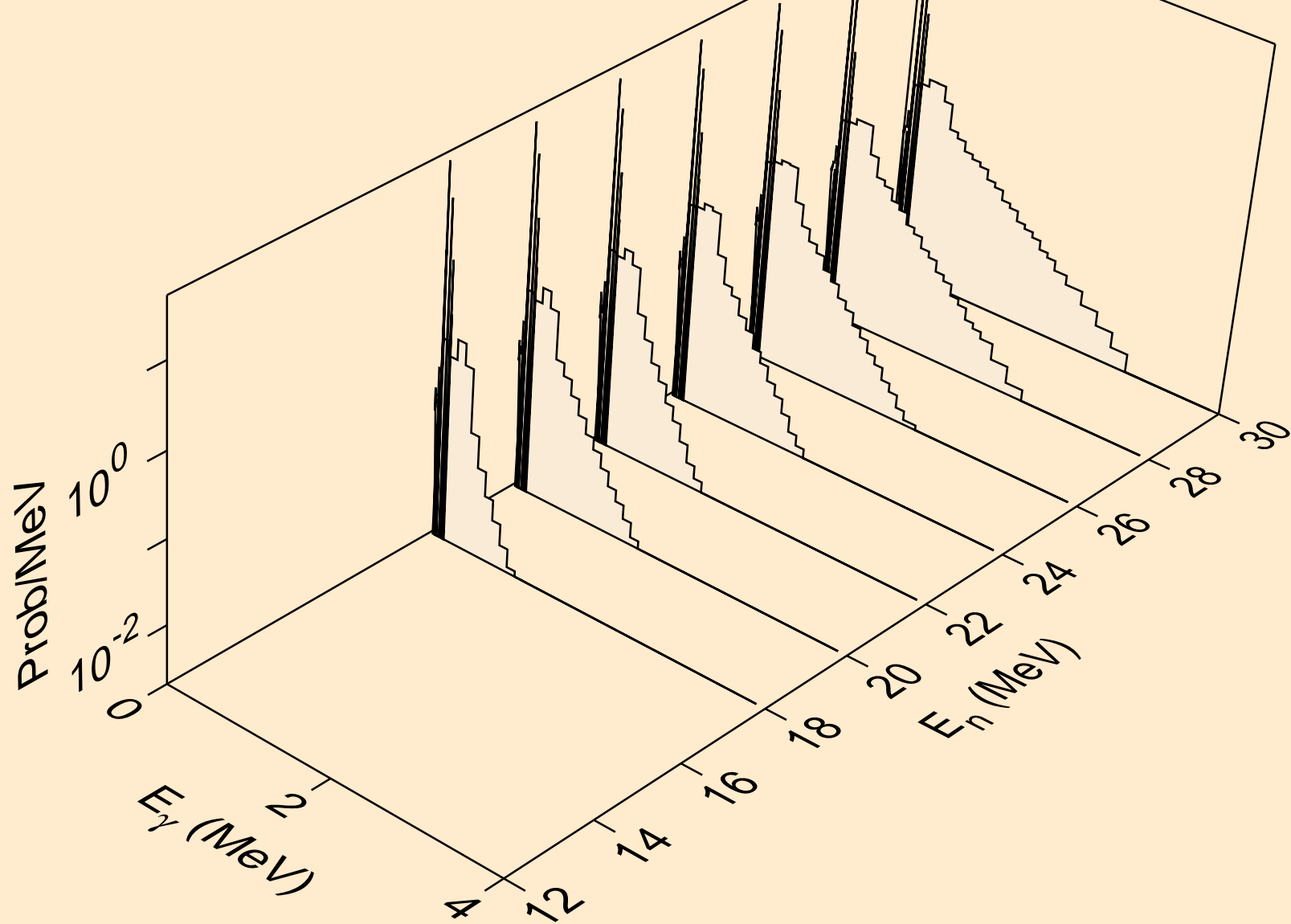
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)

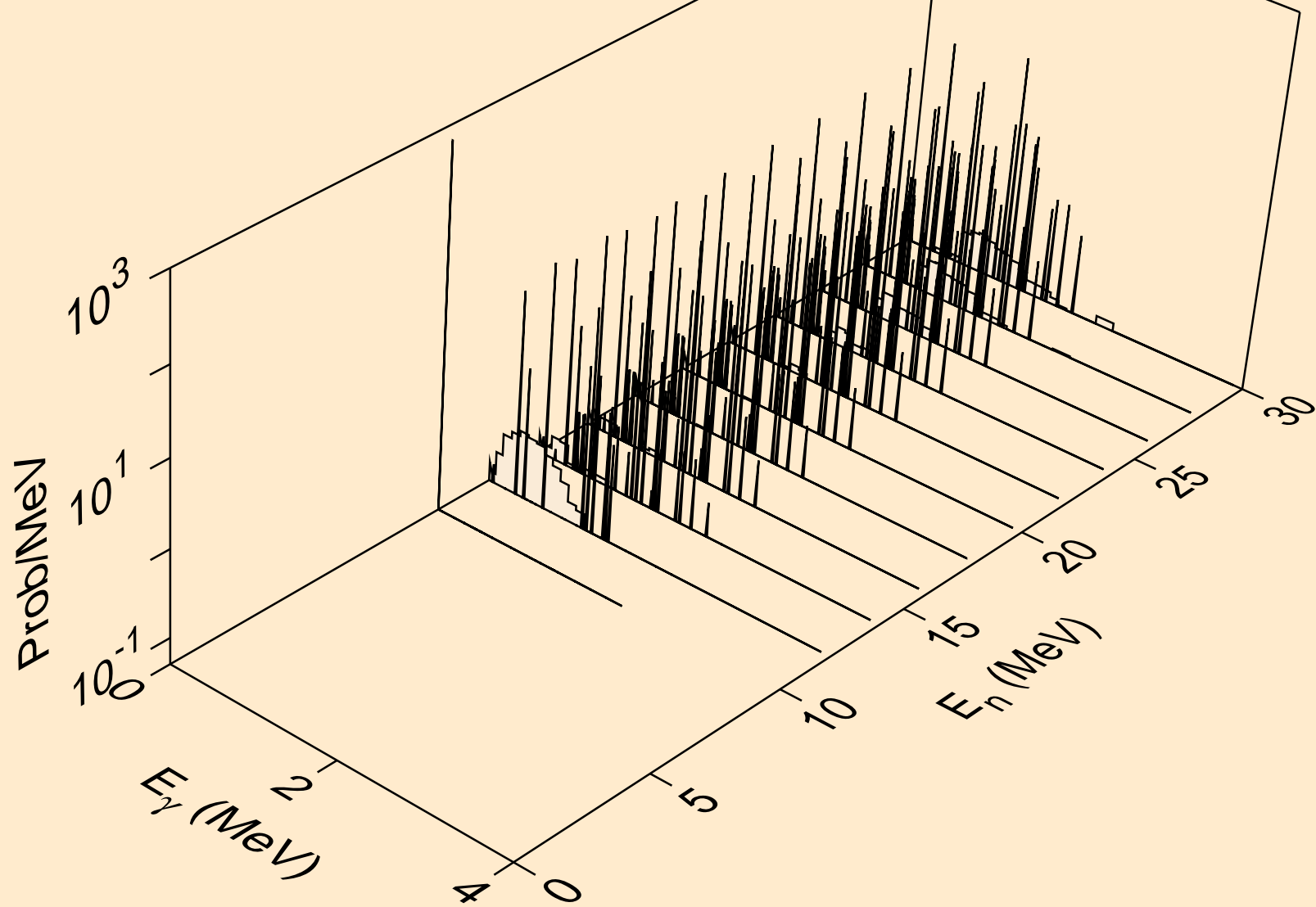


XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)

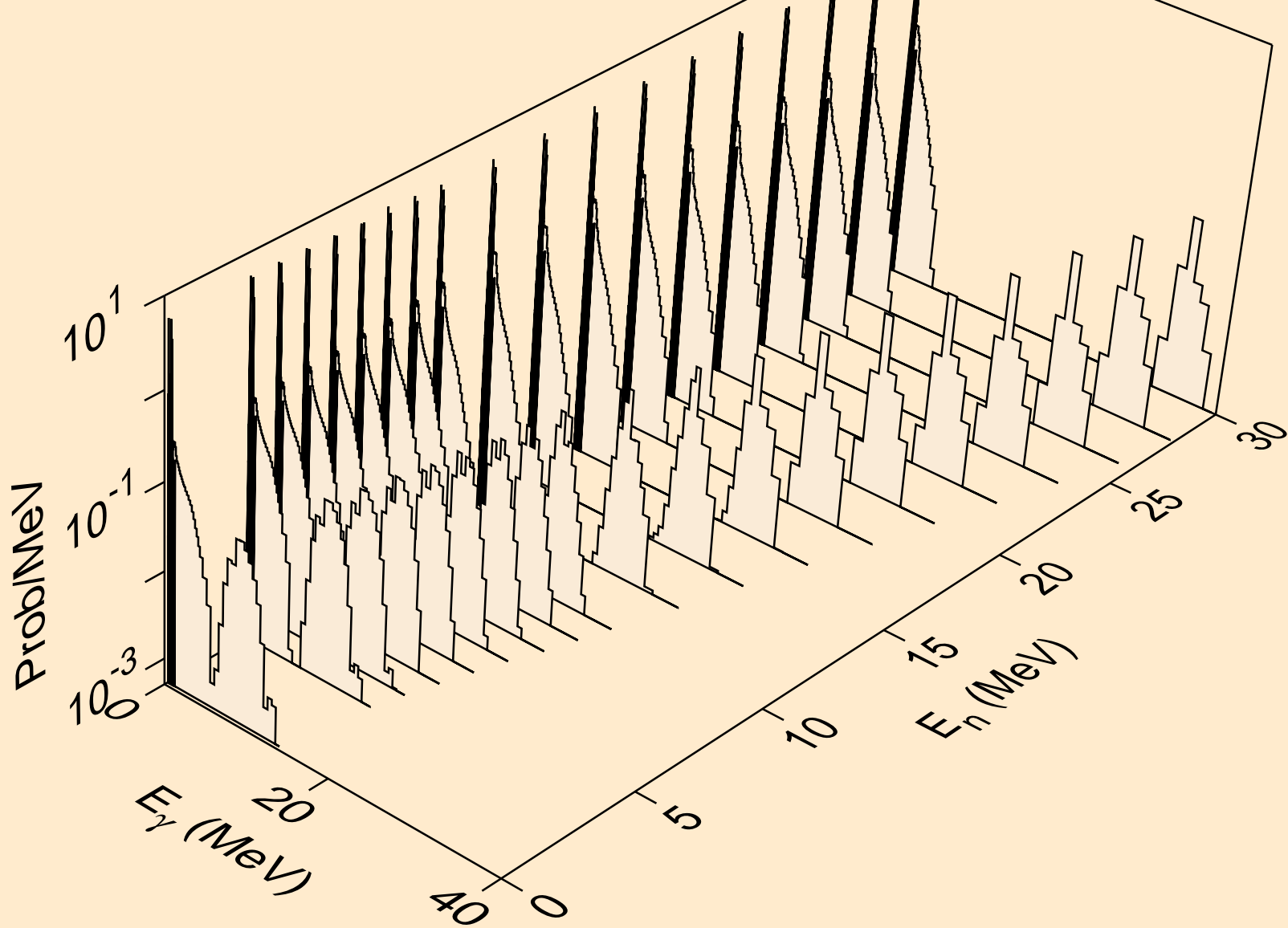




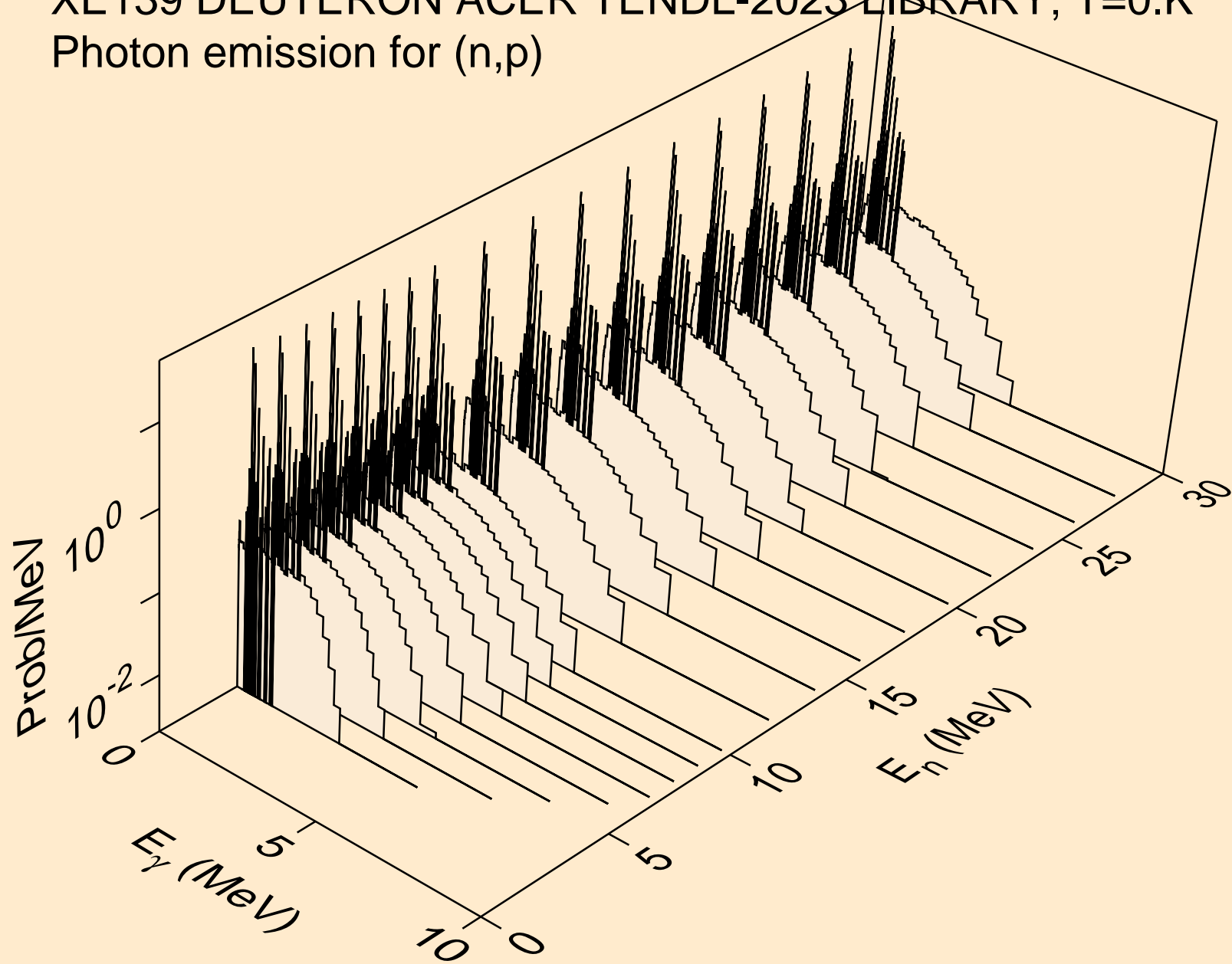
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Photon emission for (n,npa)



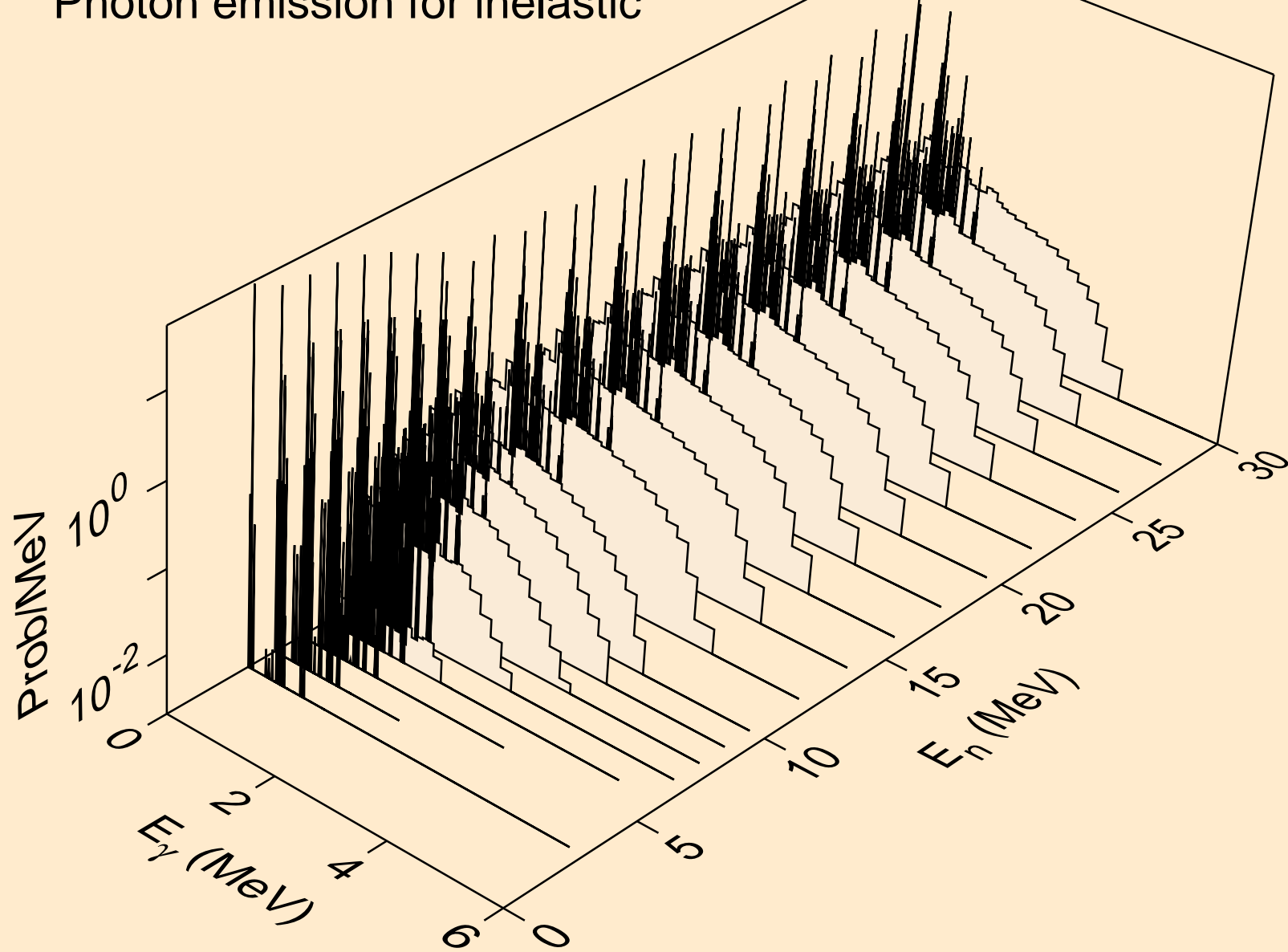
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Photon emission for (n,gma)



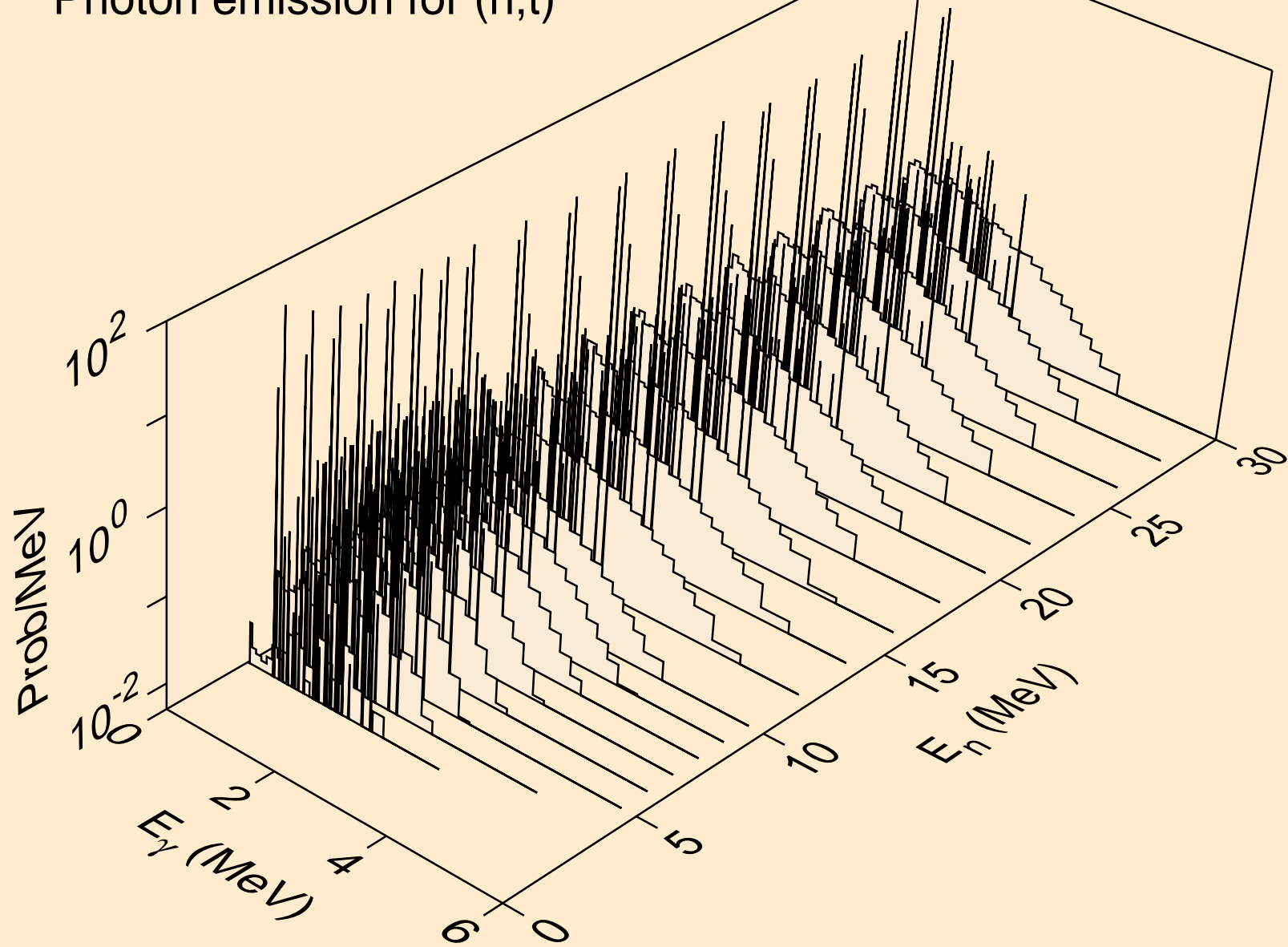
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Photon emission for (n,p)



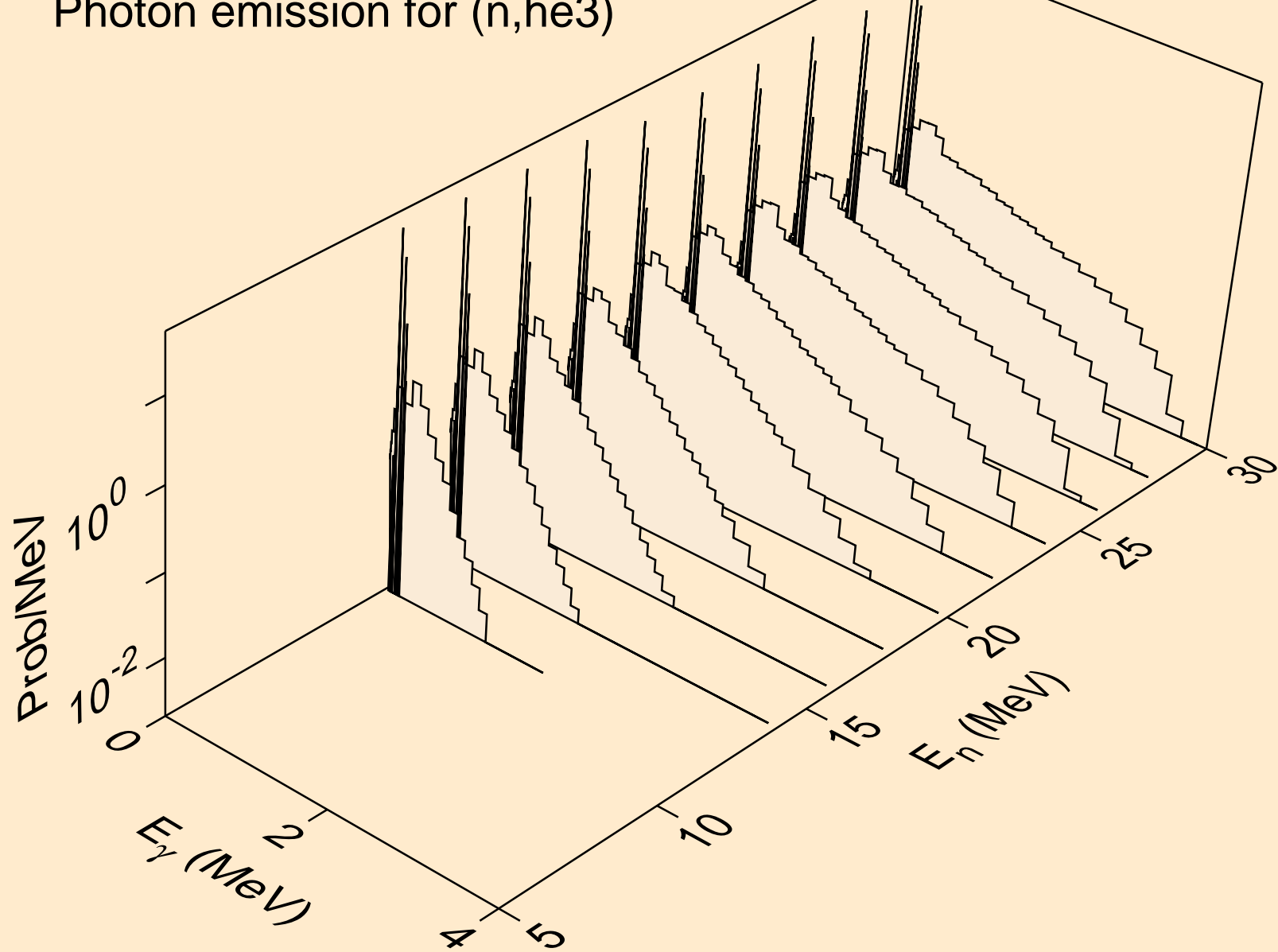
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



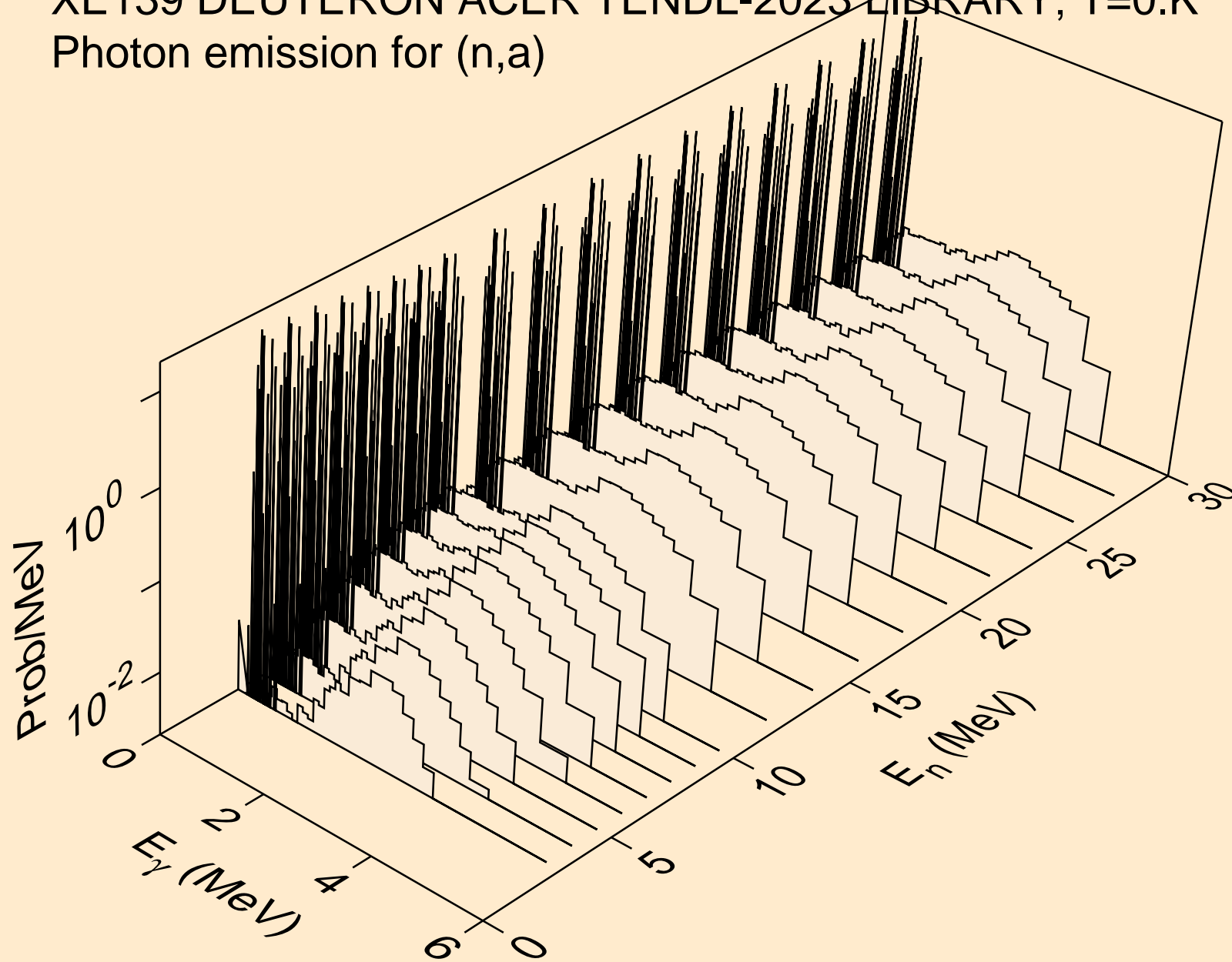
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Photon emission for (n,t)



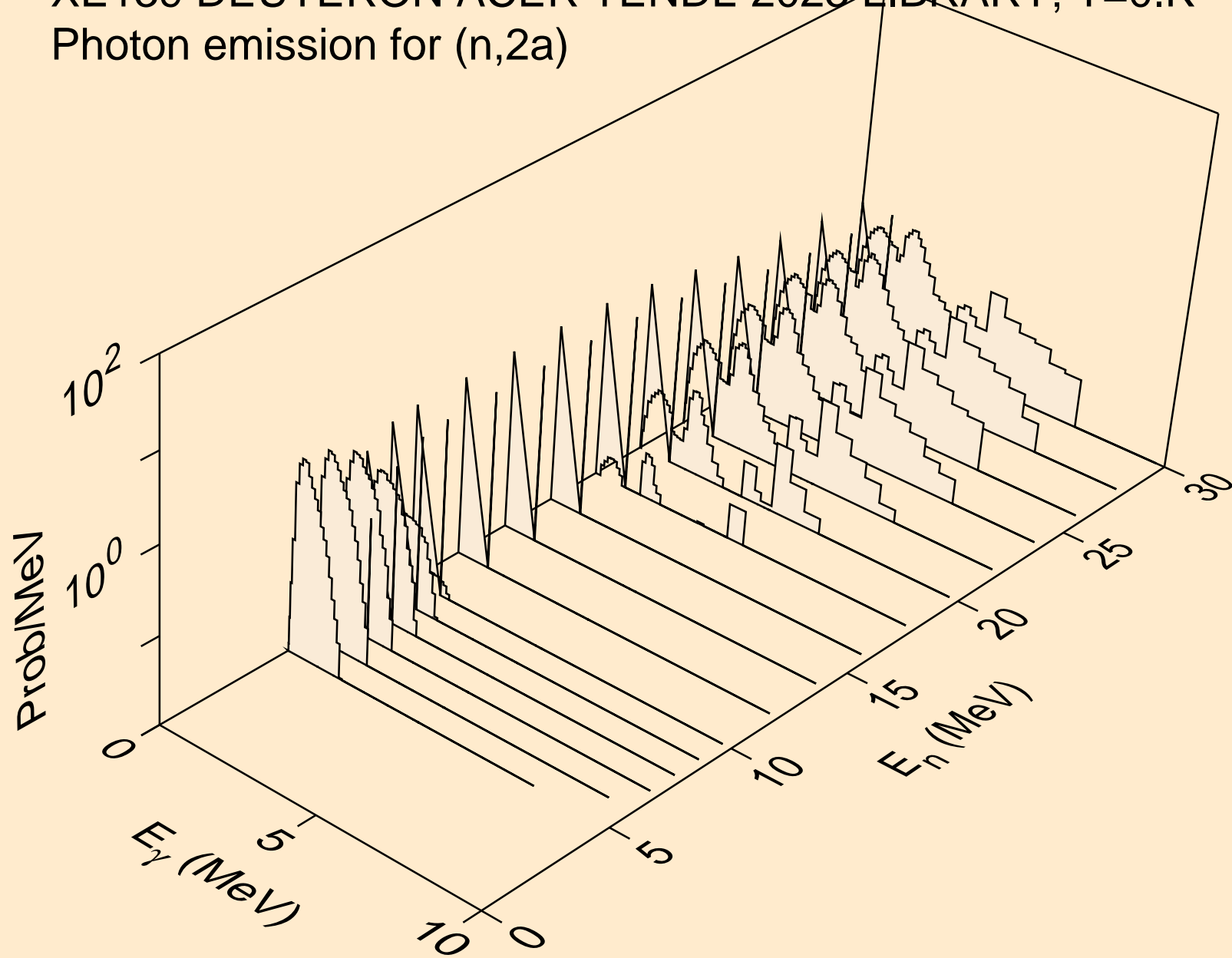
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

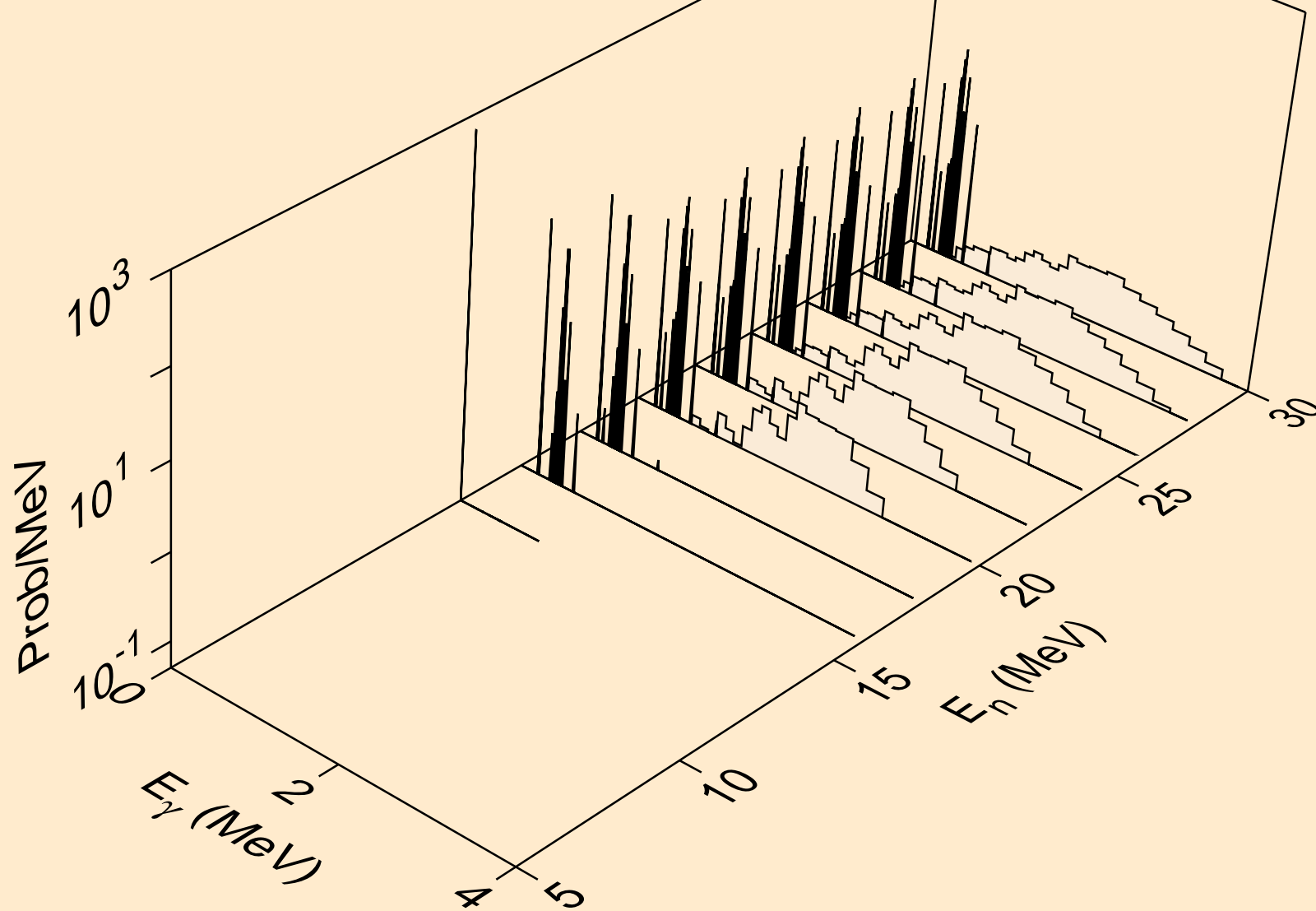


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Photon emission for (n,2a)

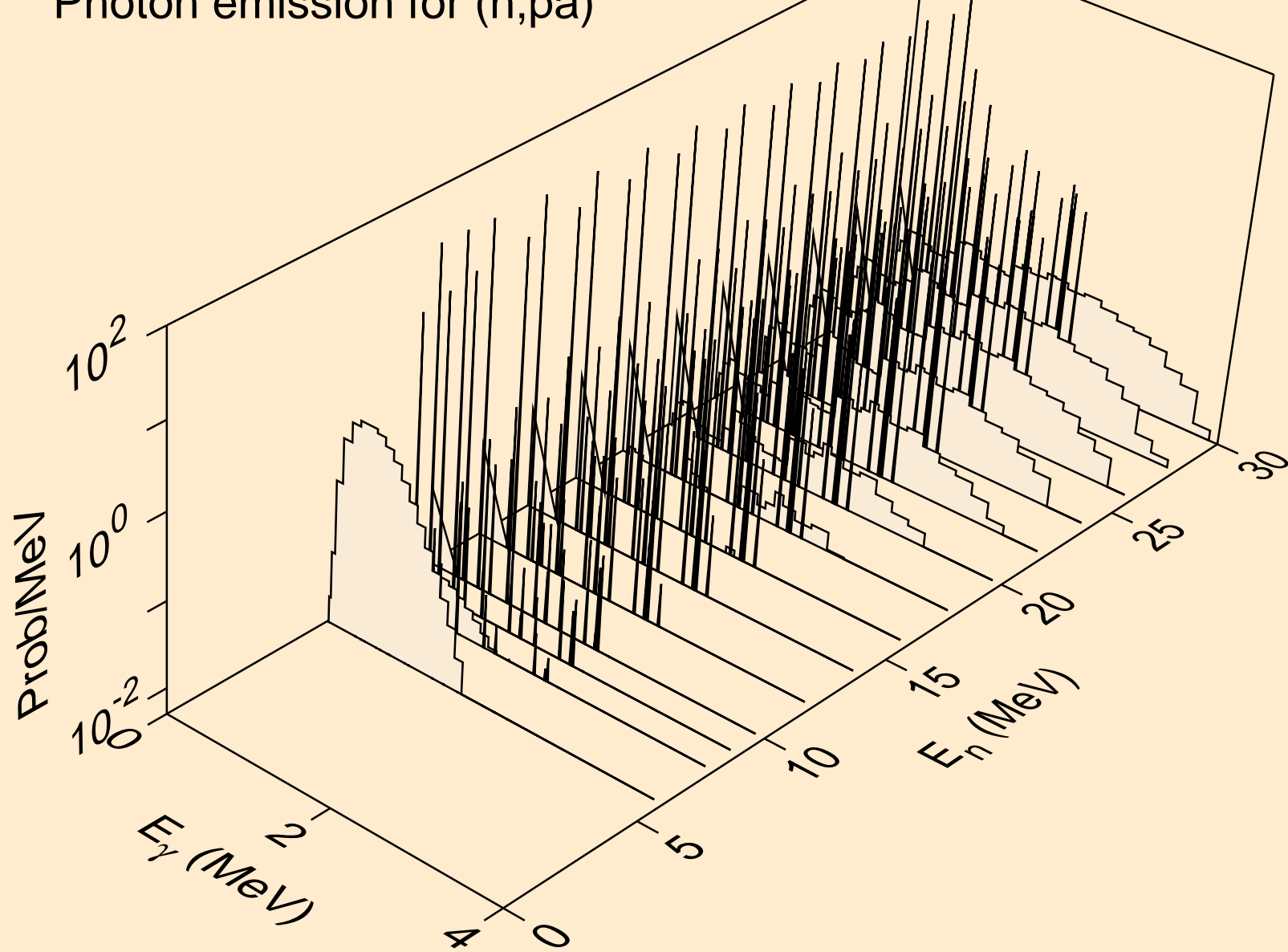




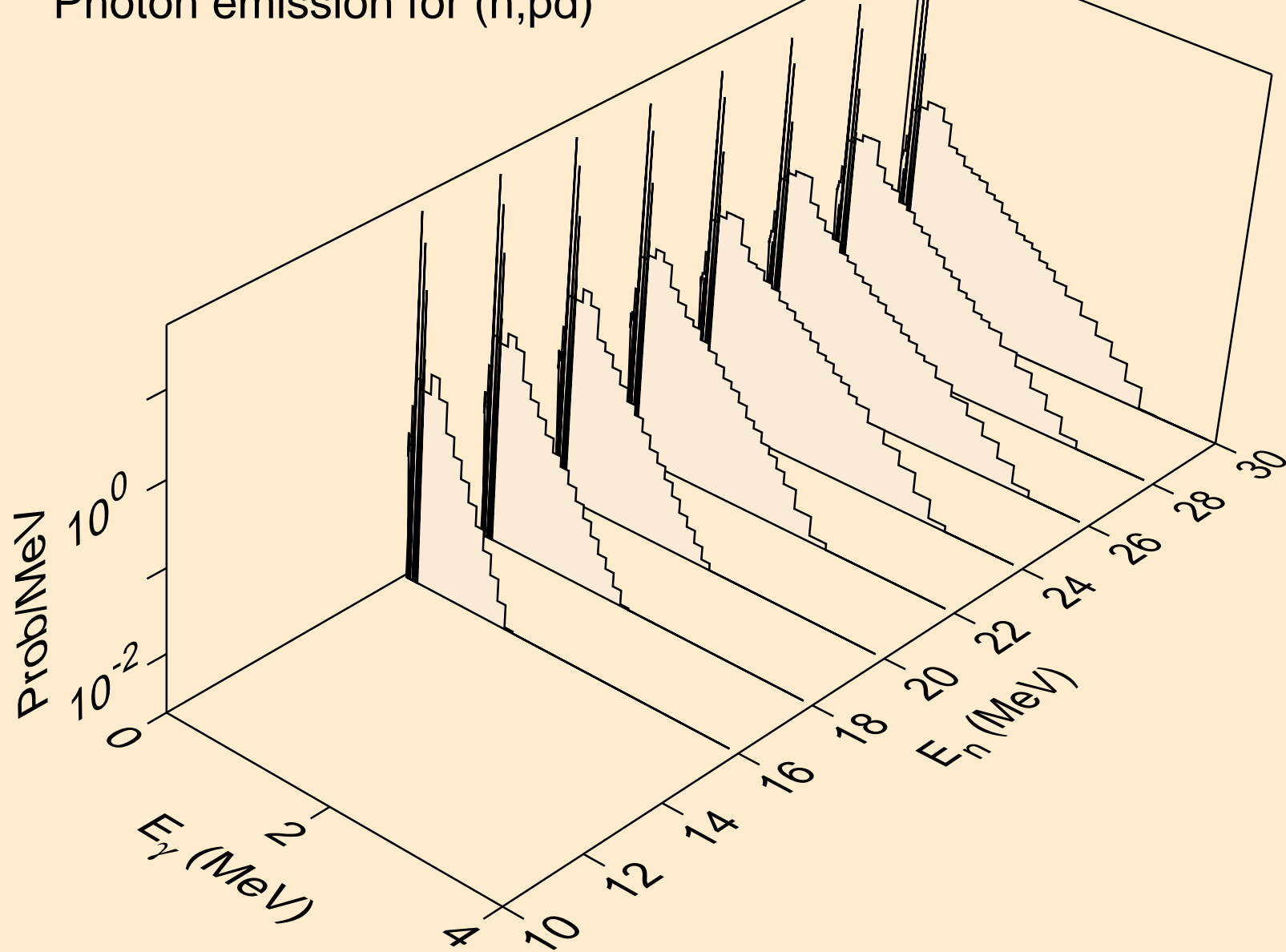
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Photon emission for (n,2p)



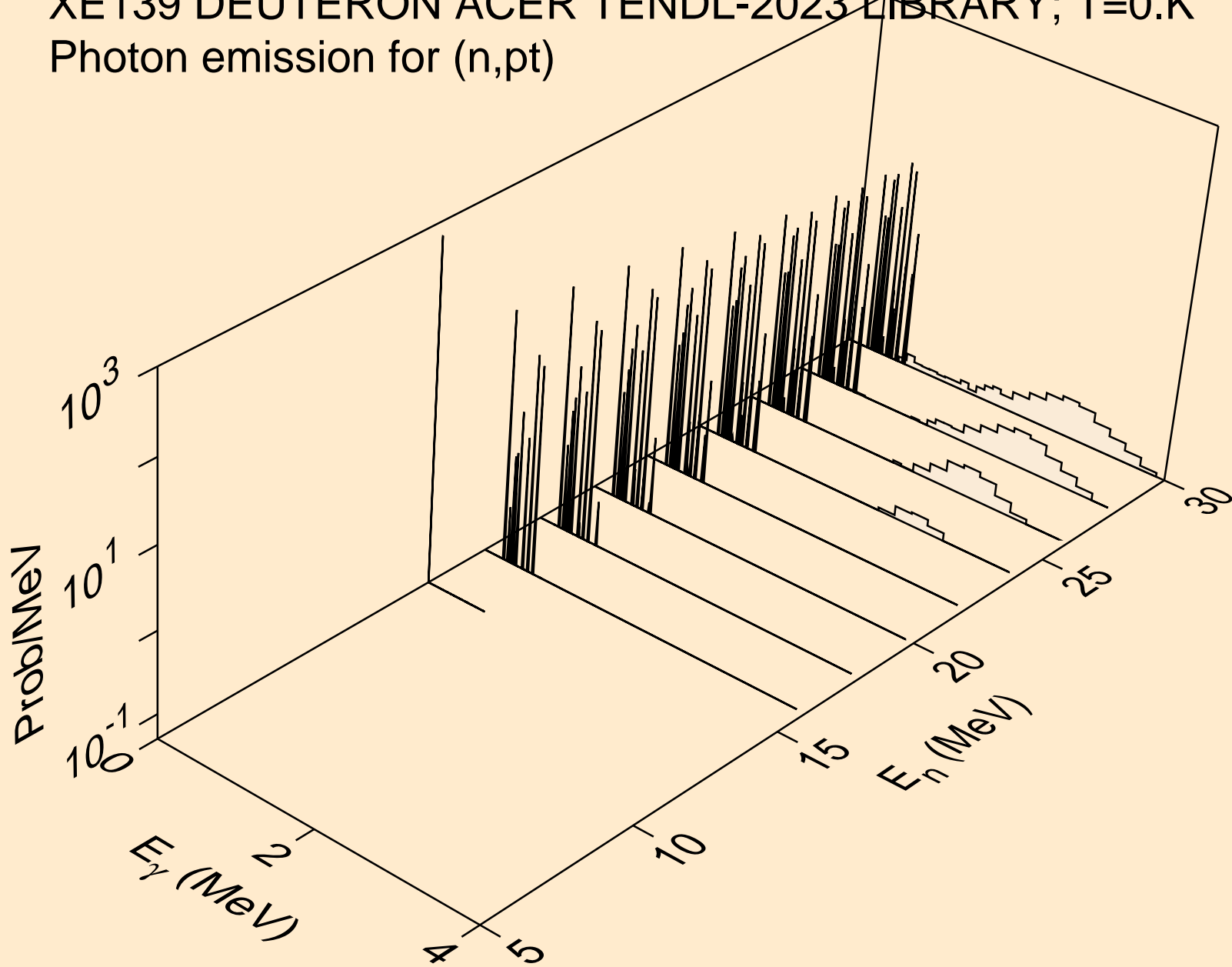
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Photon emission for (n,p $\alpha$ )



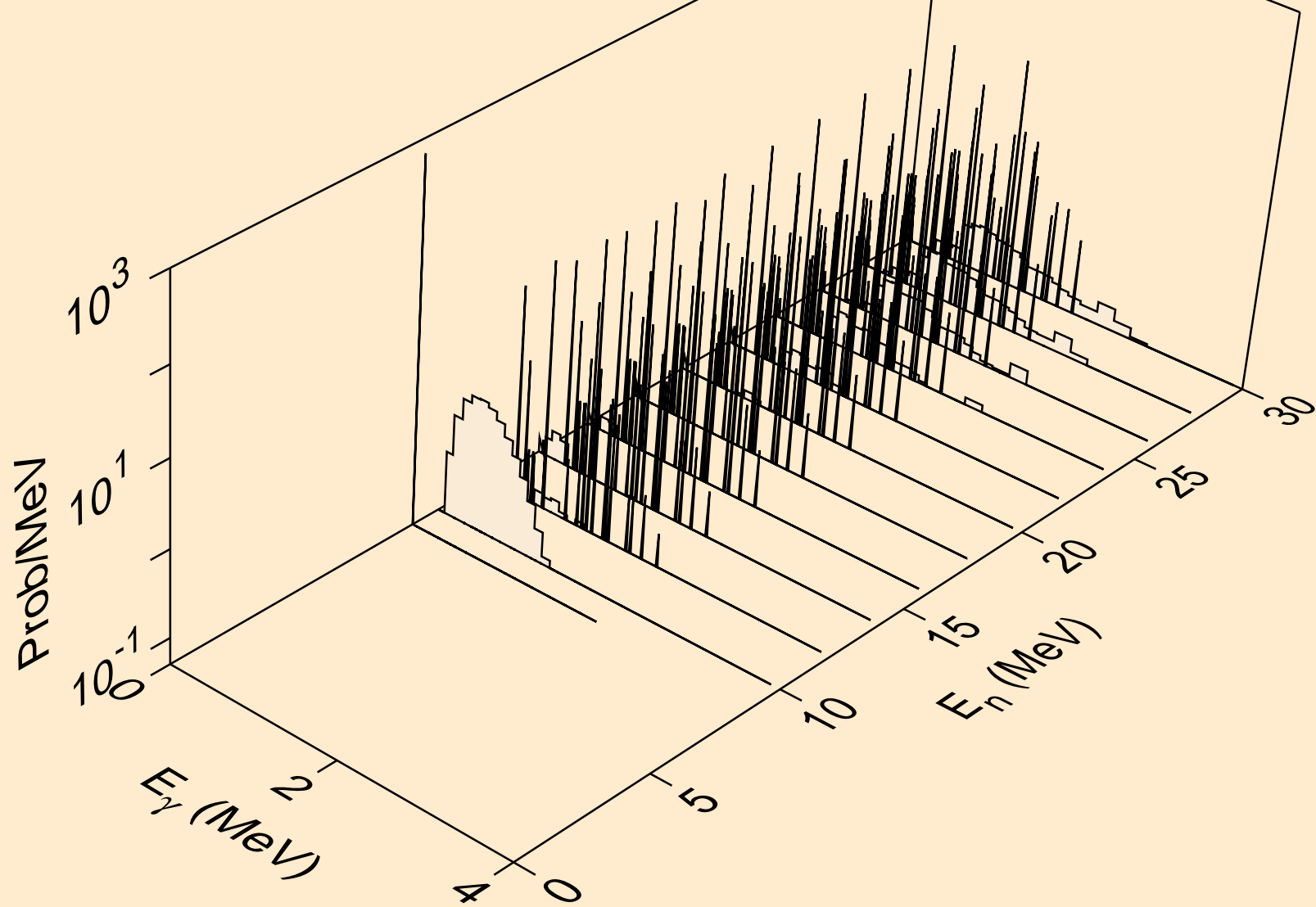
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

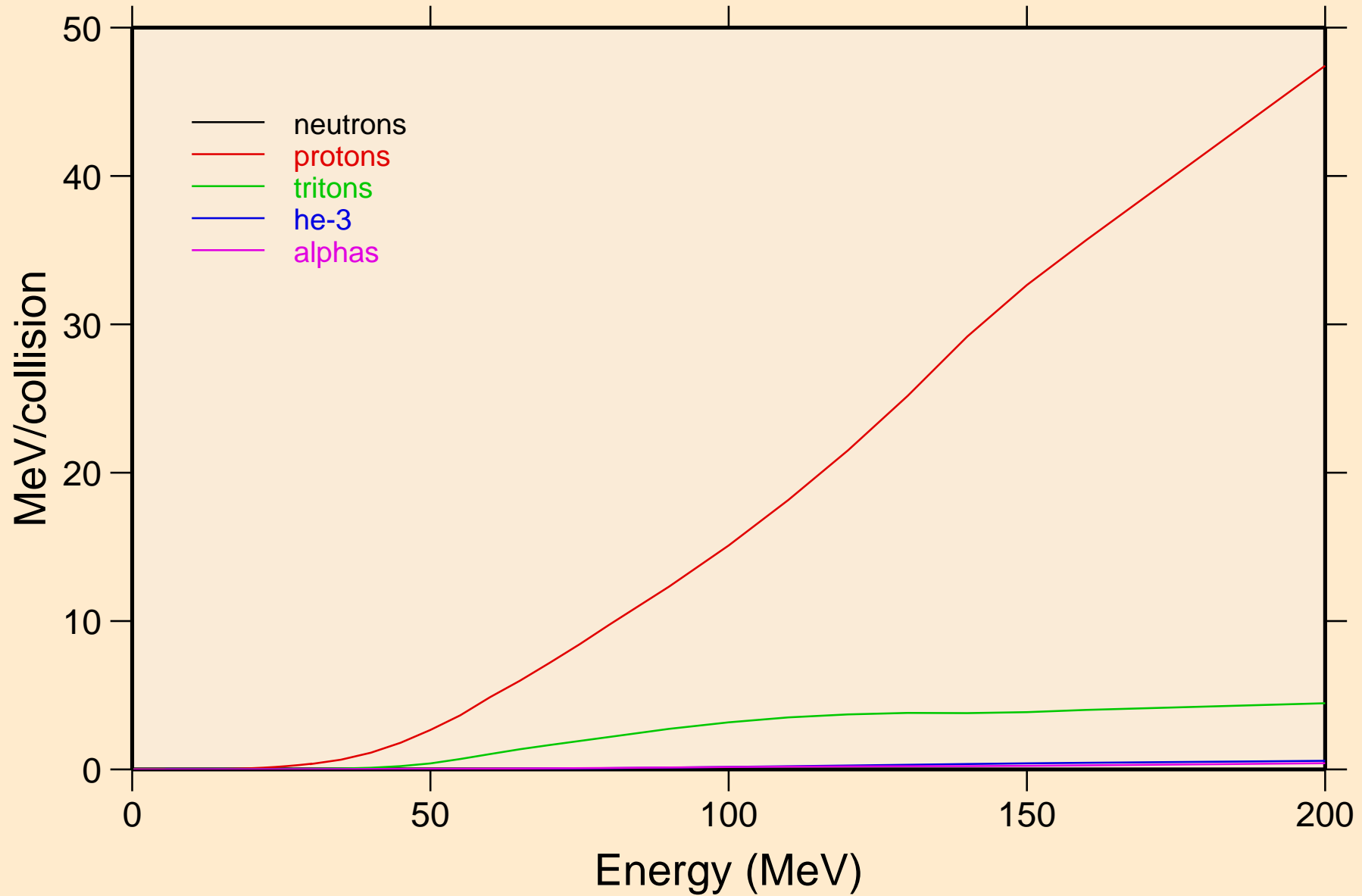


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Photon emission for (n,da)

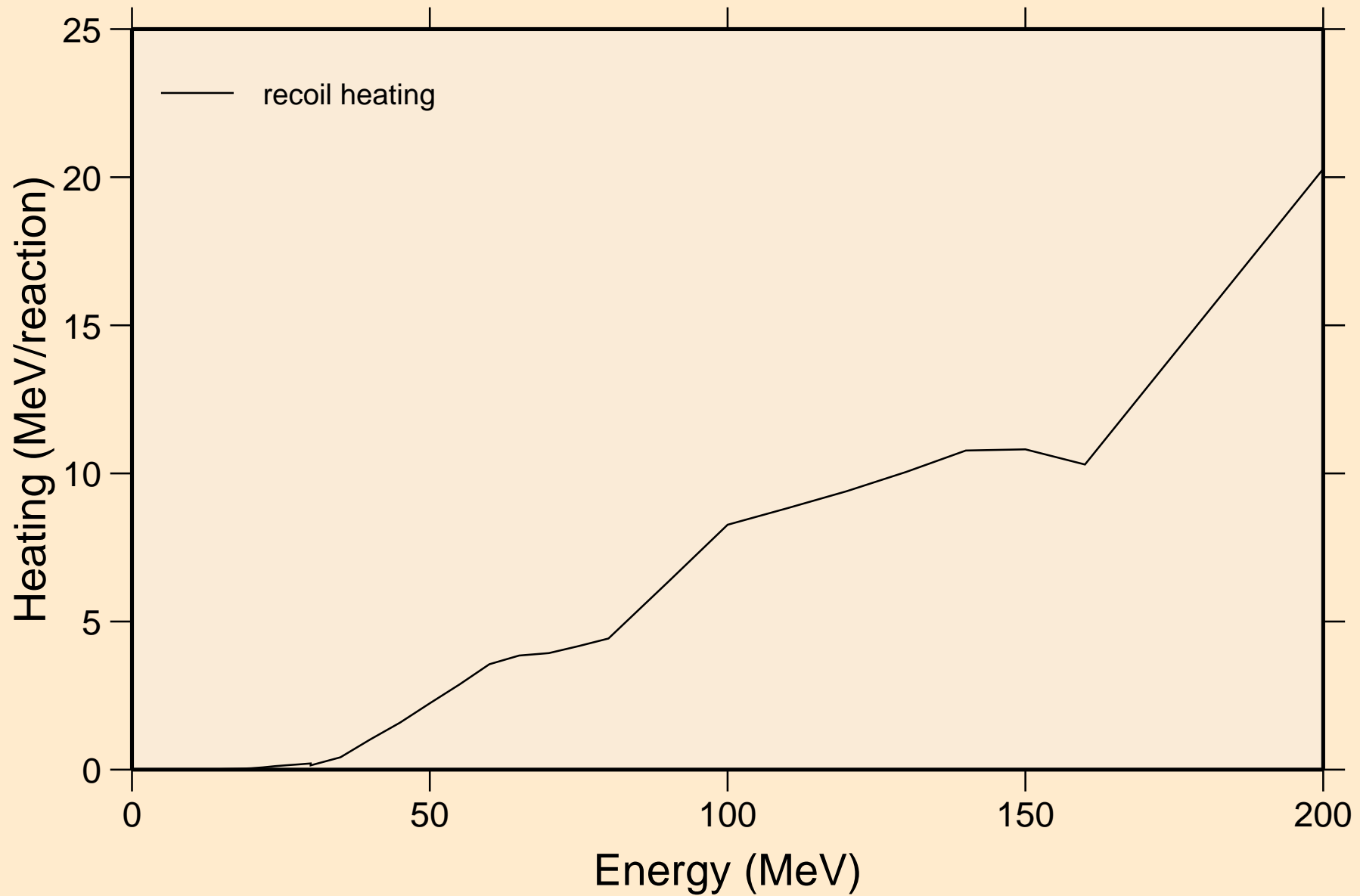


# XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K

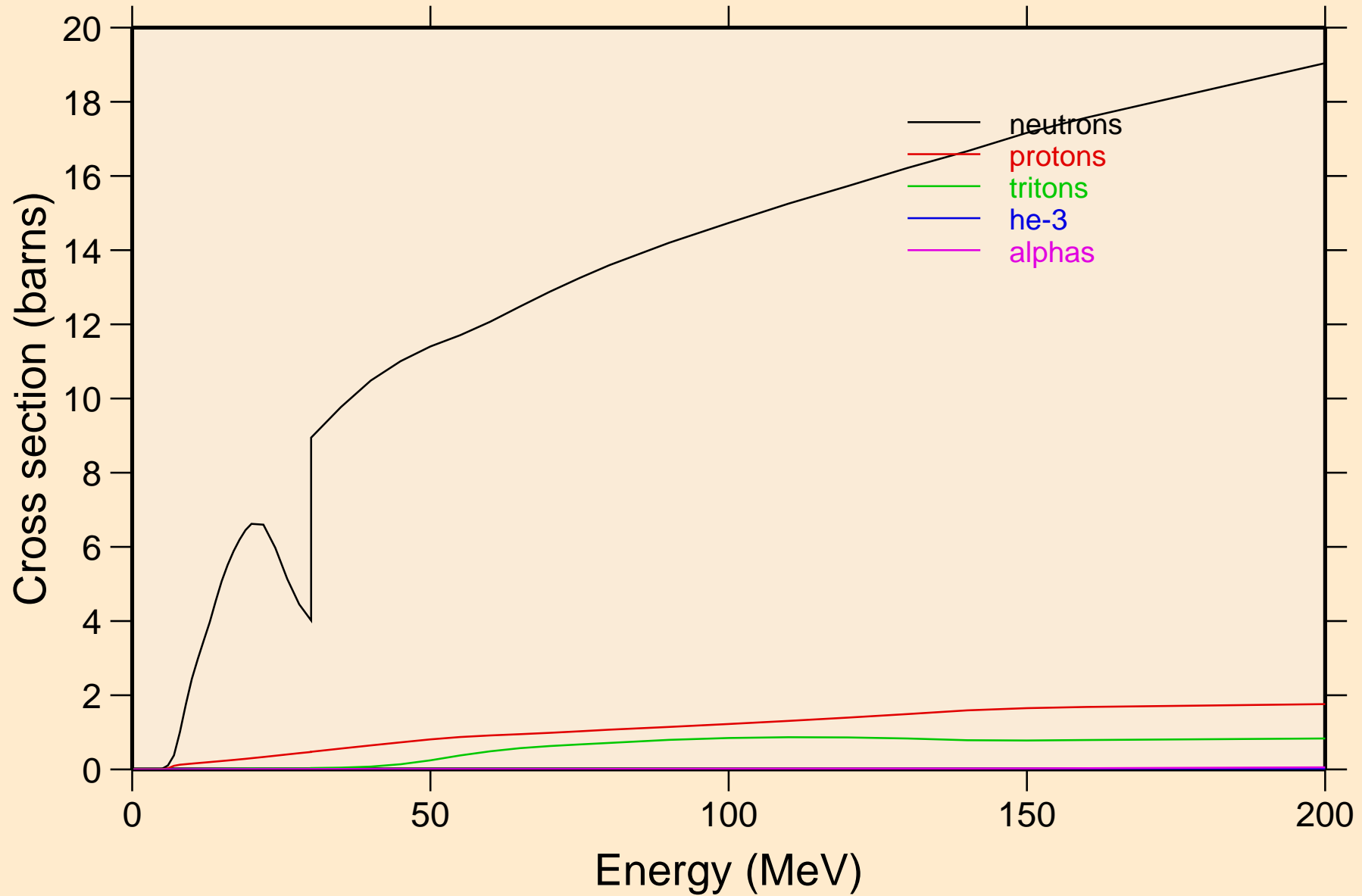
## Particle heating contributions



XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

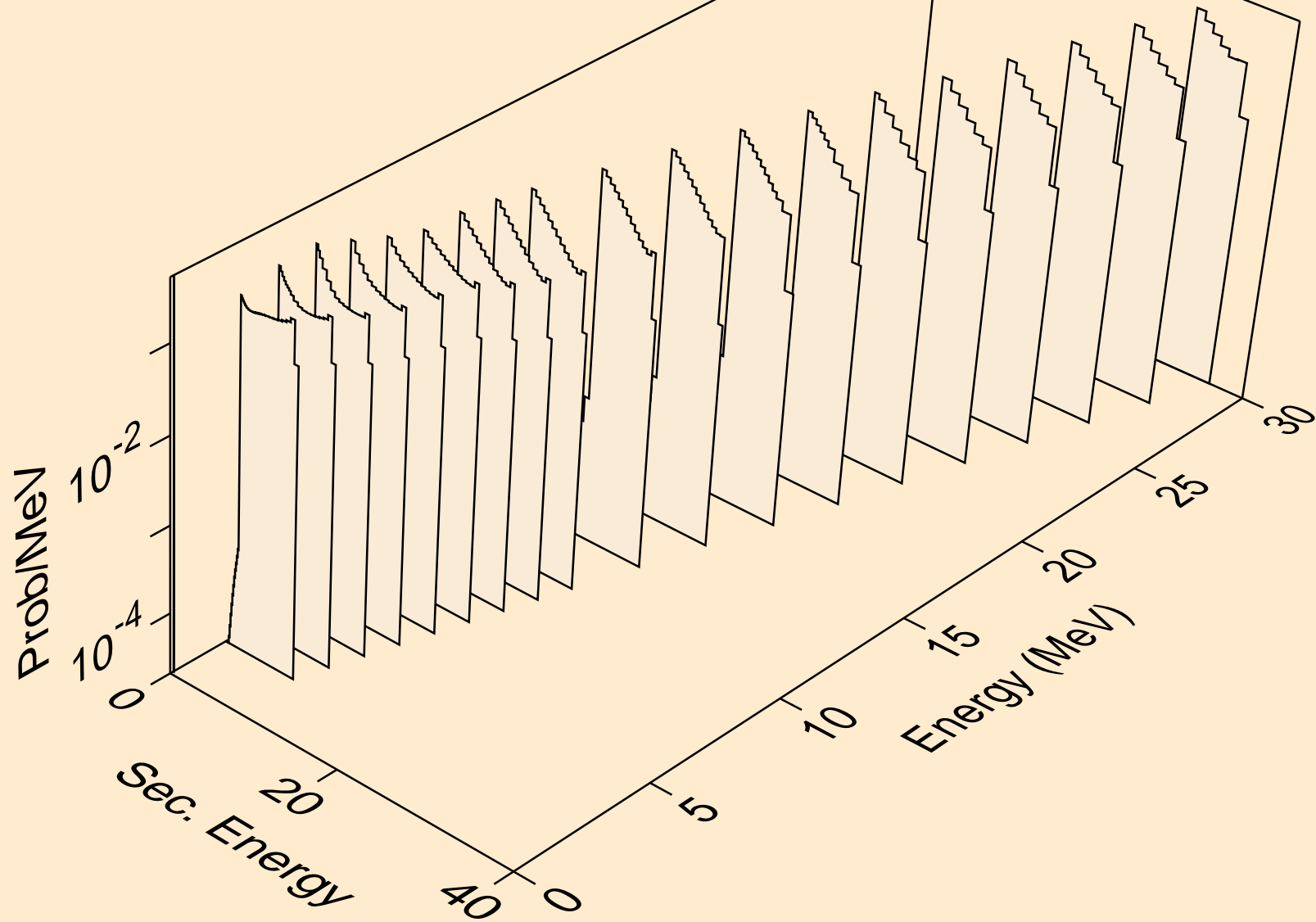


XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections

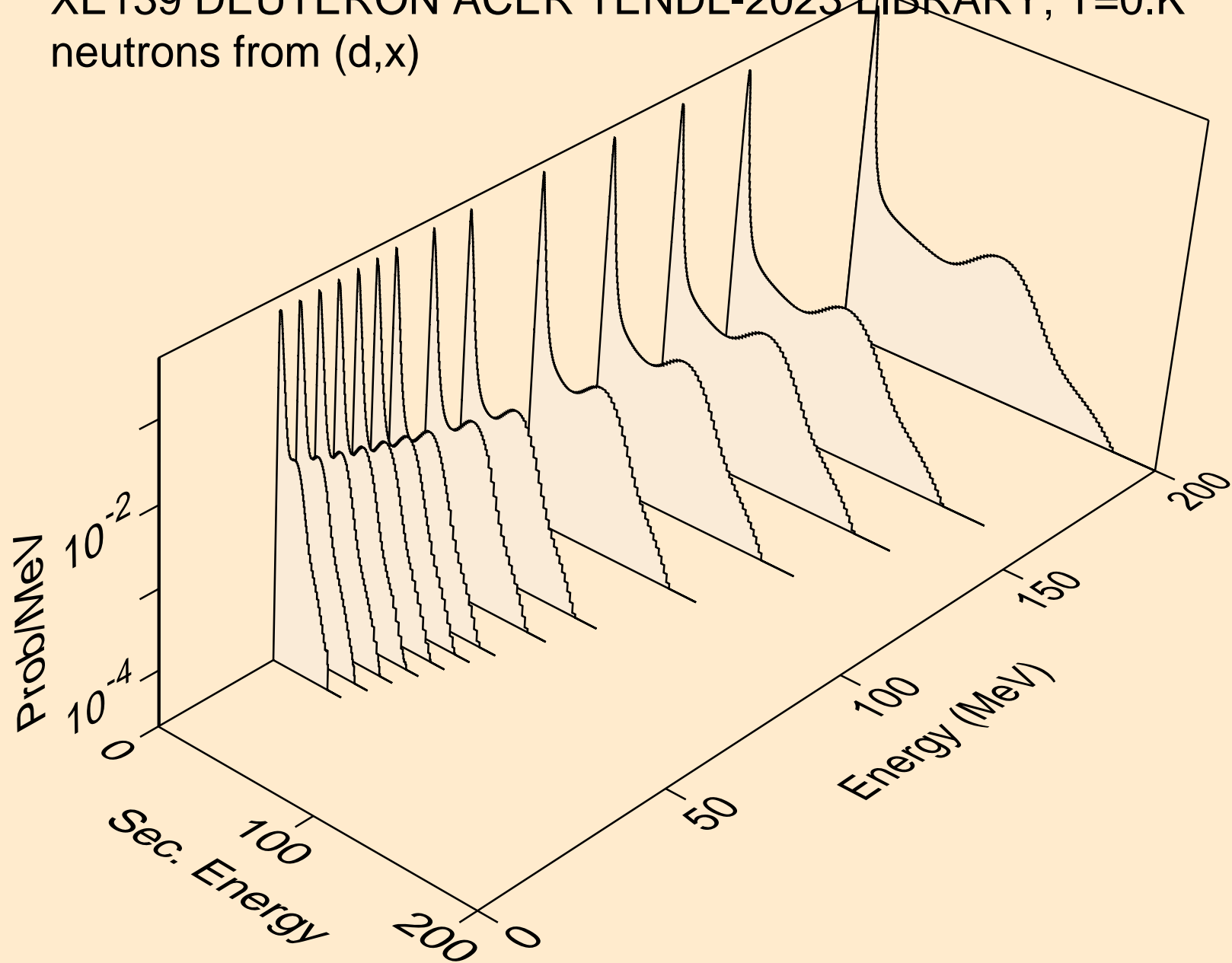




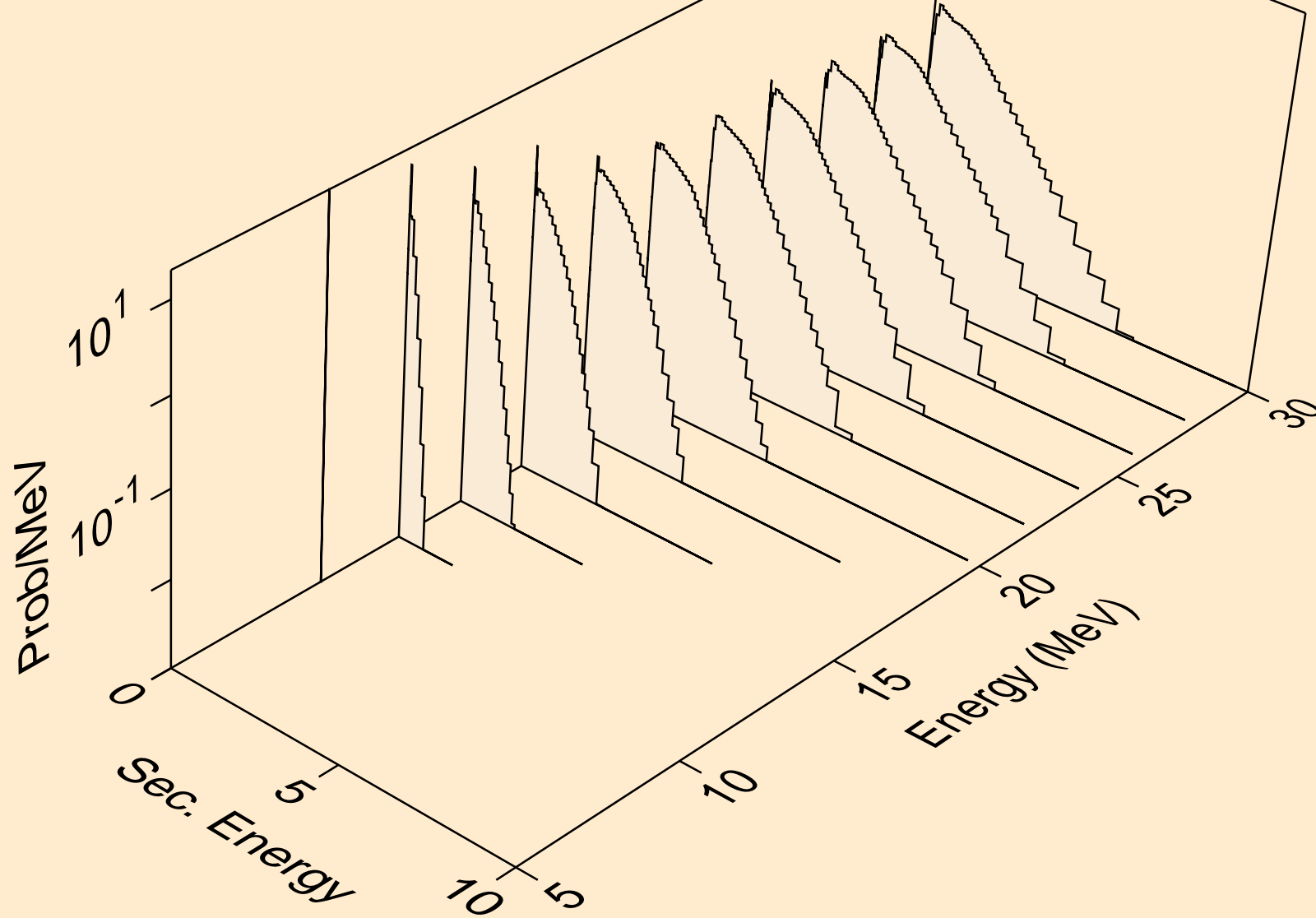
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (d,n)



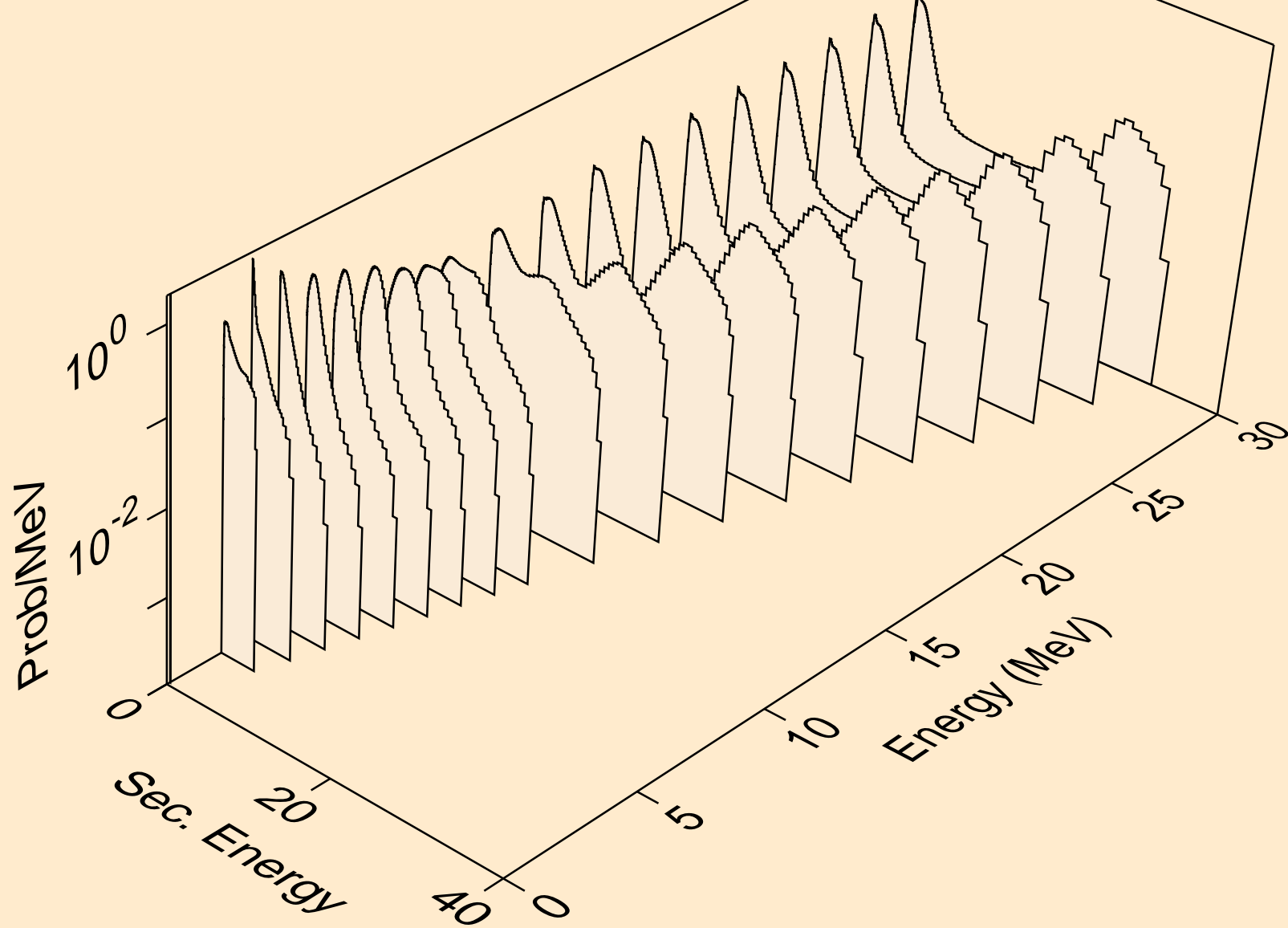
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neutrons from (d,x)



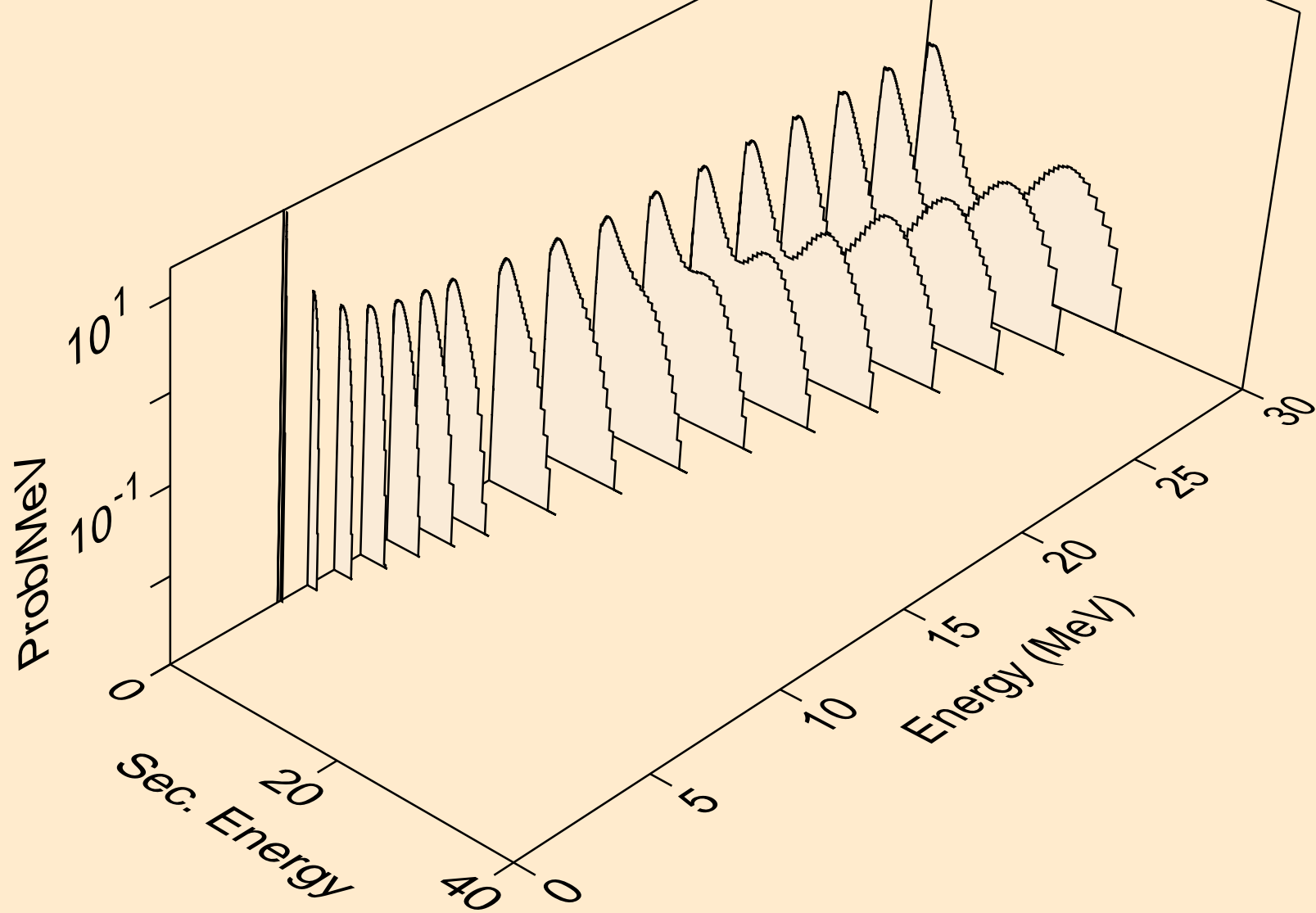
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (d,2nd)



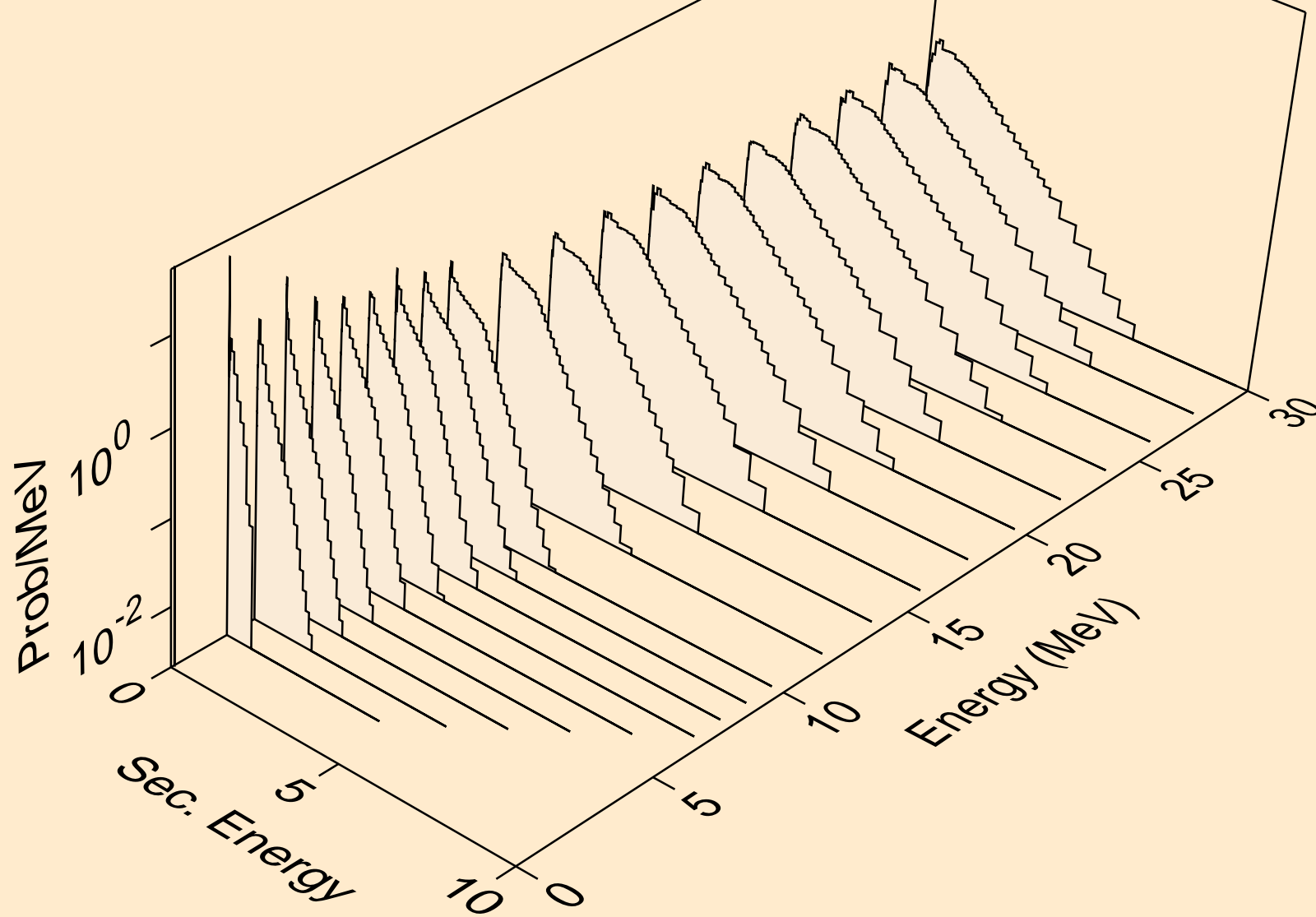
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neutrons from (d,2n)



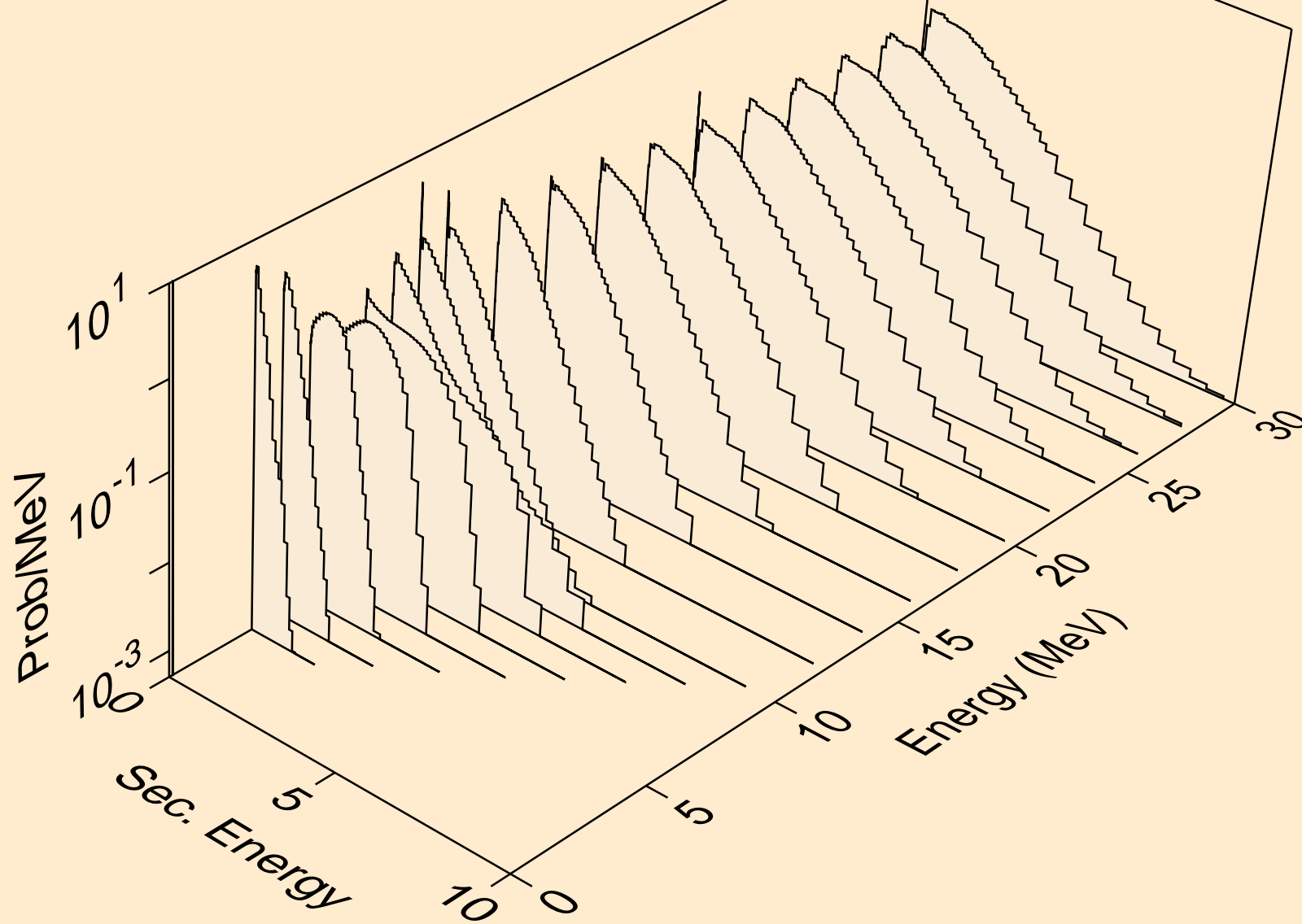
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neutrons from (d,3n)



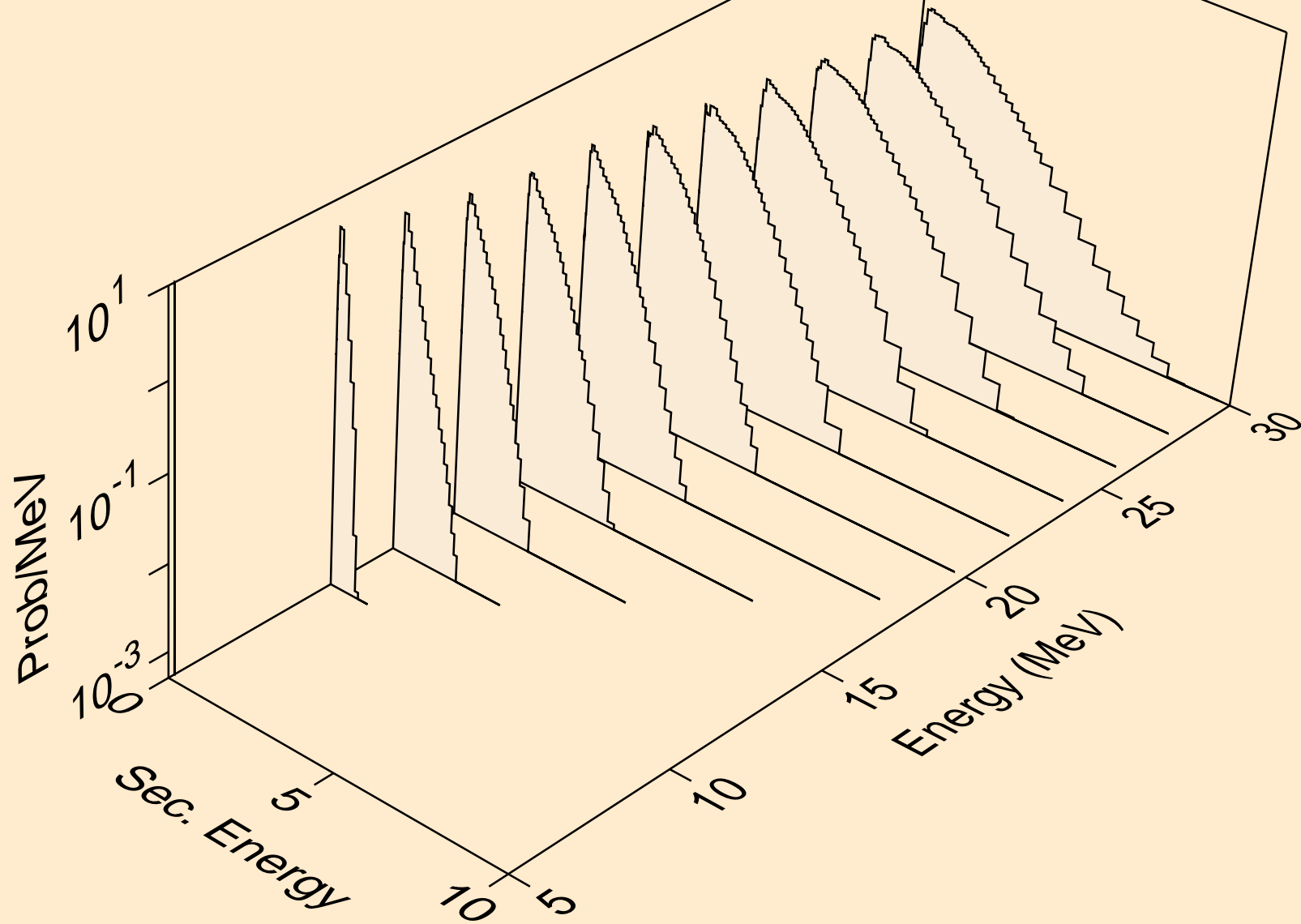
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (d,n\*)a



XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (d,2n)a

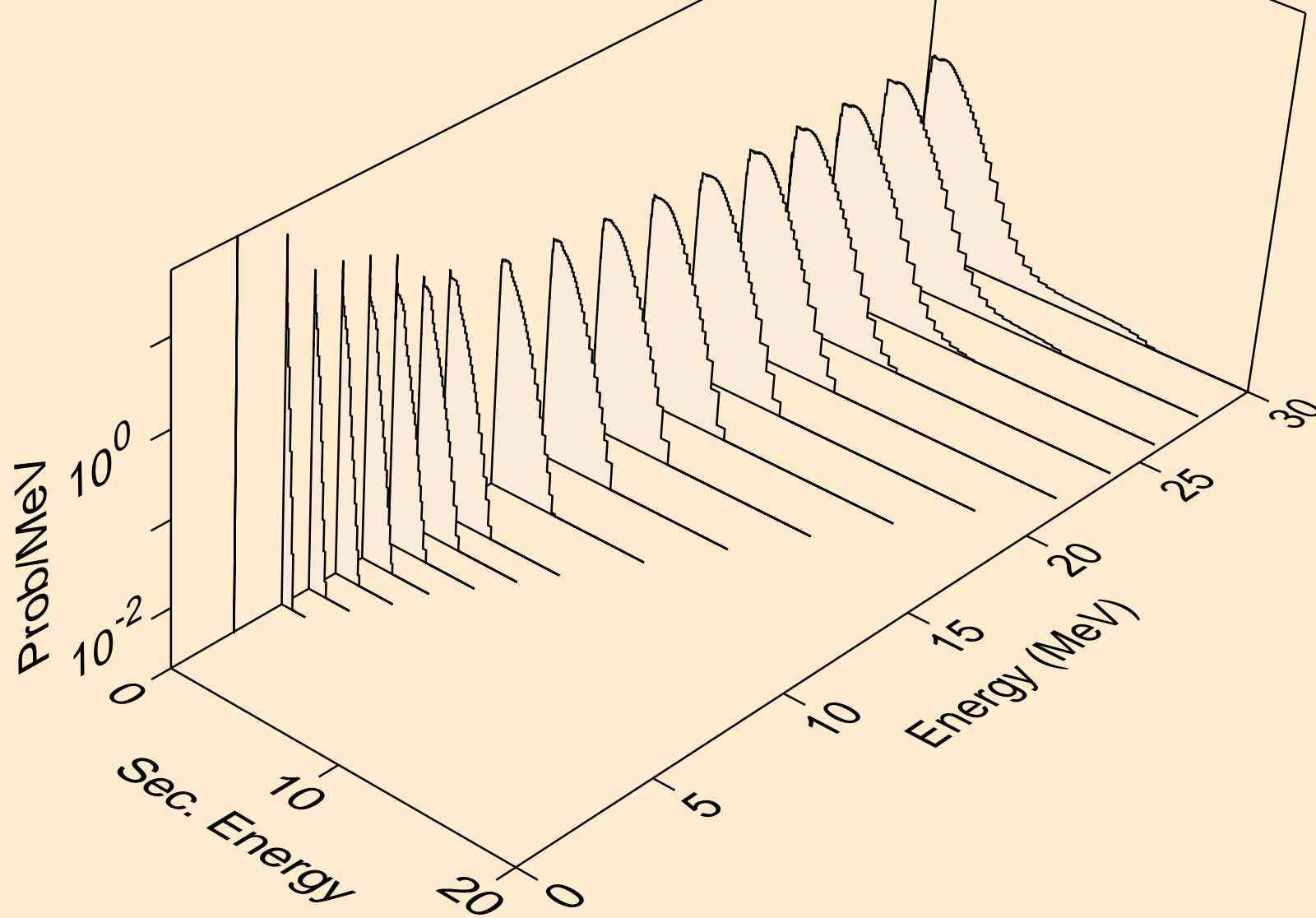


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neutrons from (d,3n)a

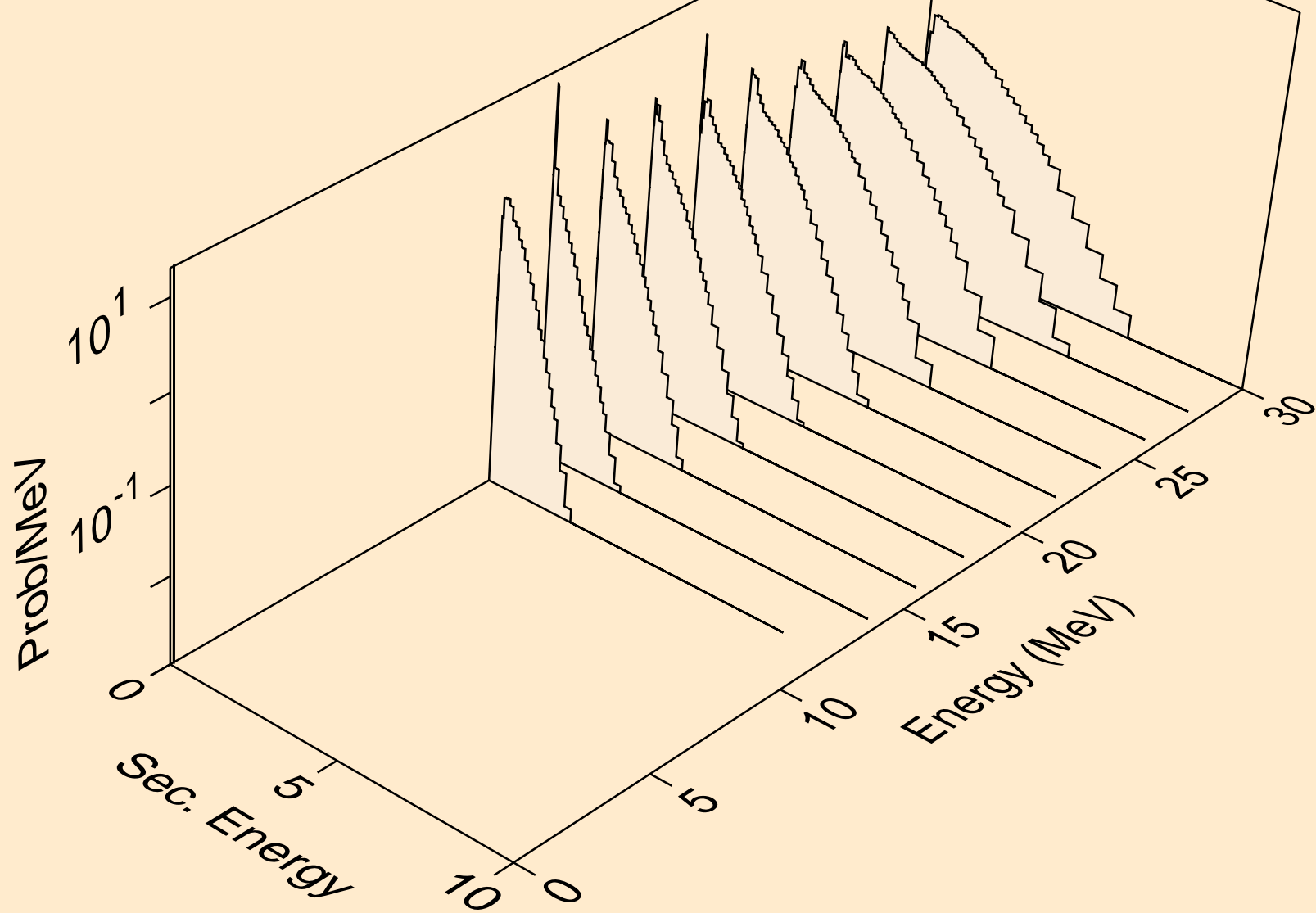




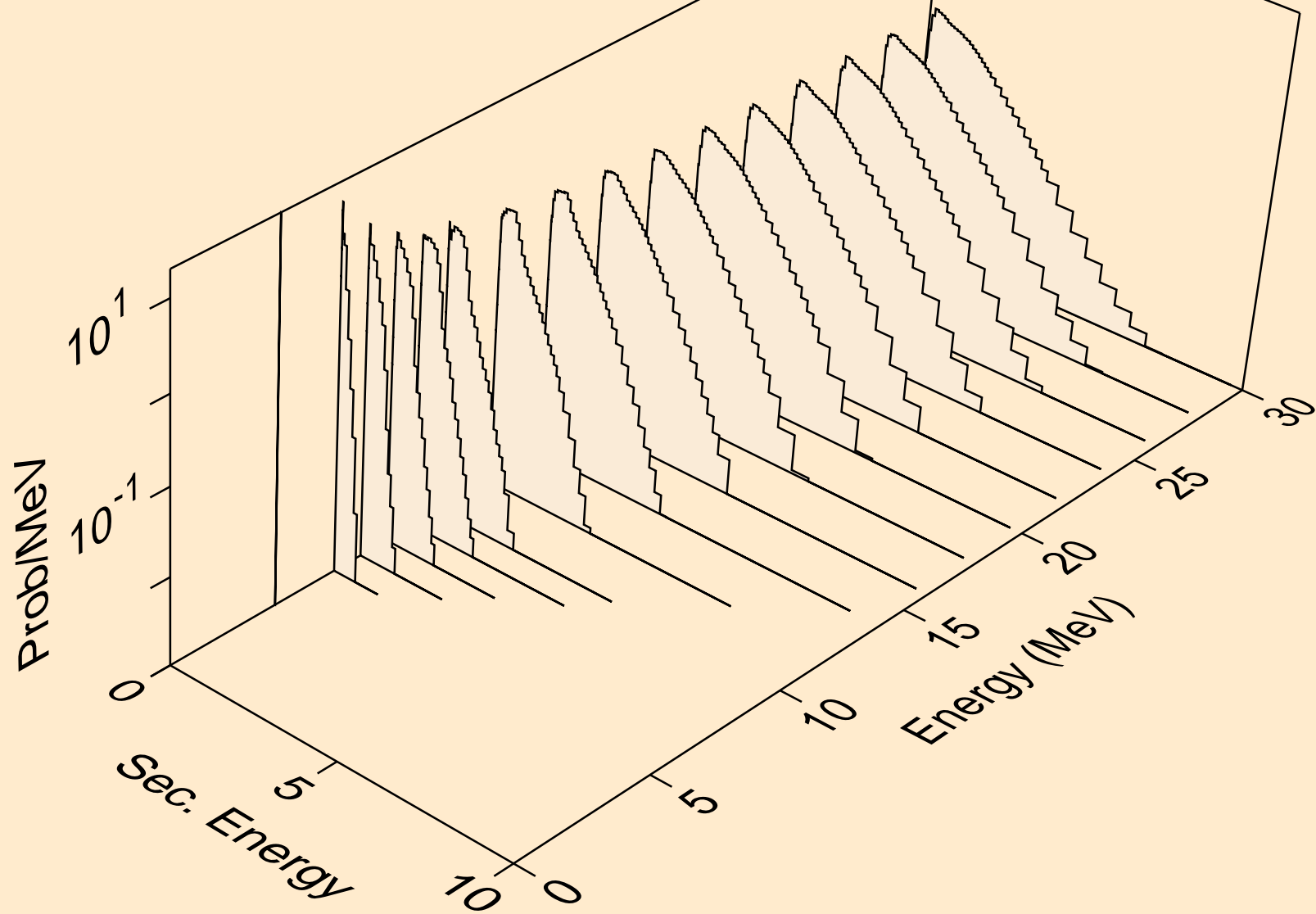
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neutrons from (d,n\*)p



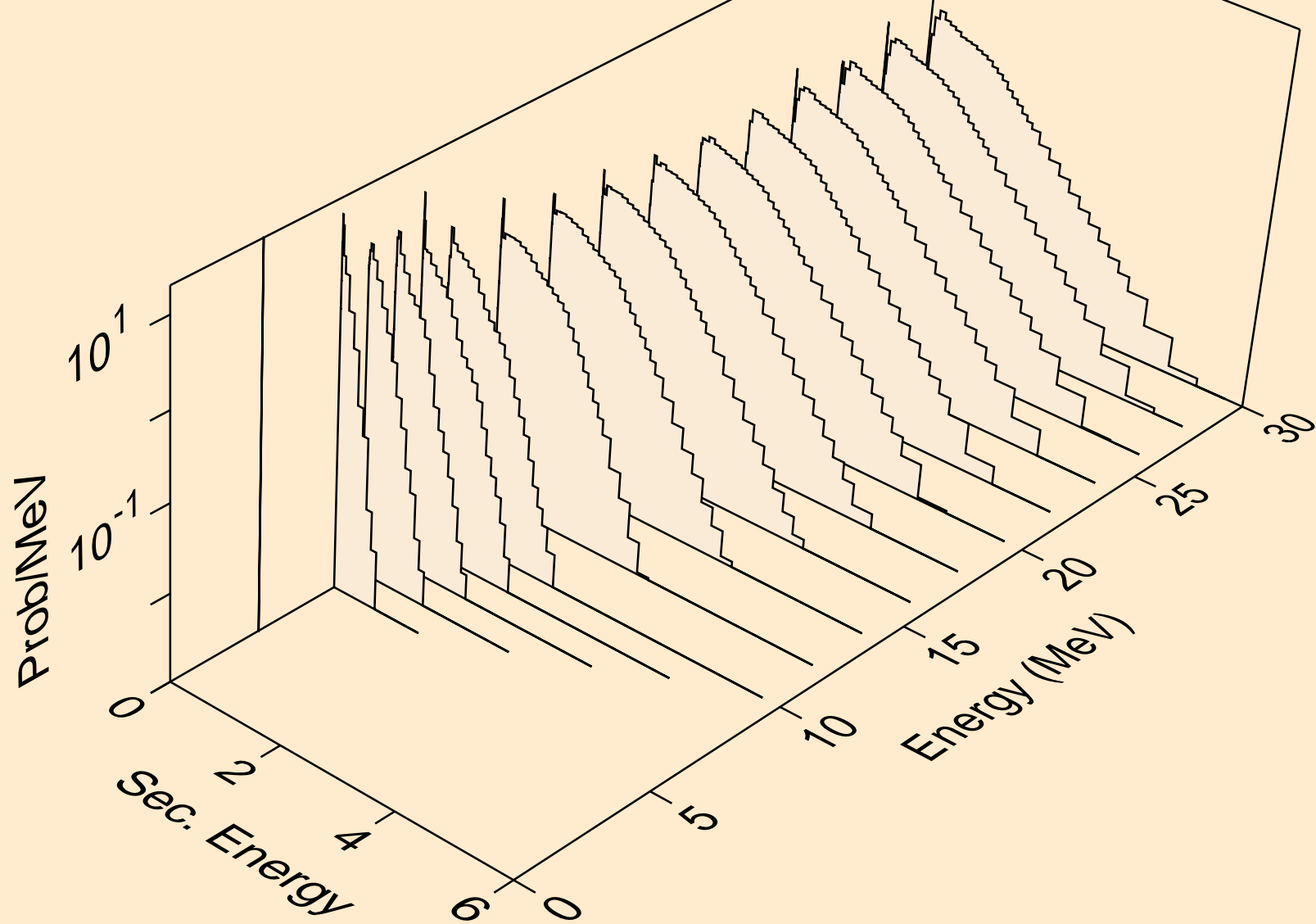
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neutrons from (d,n\*)2a



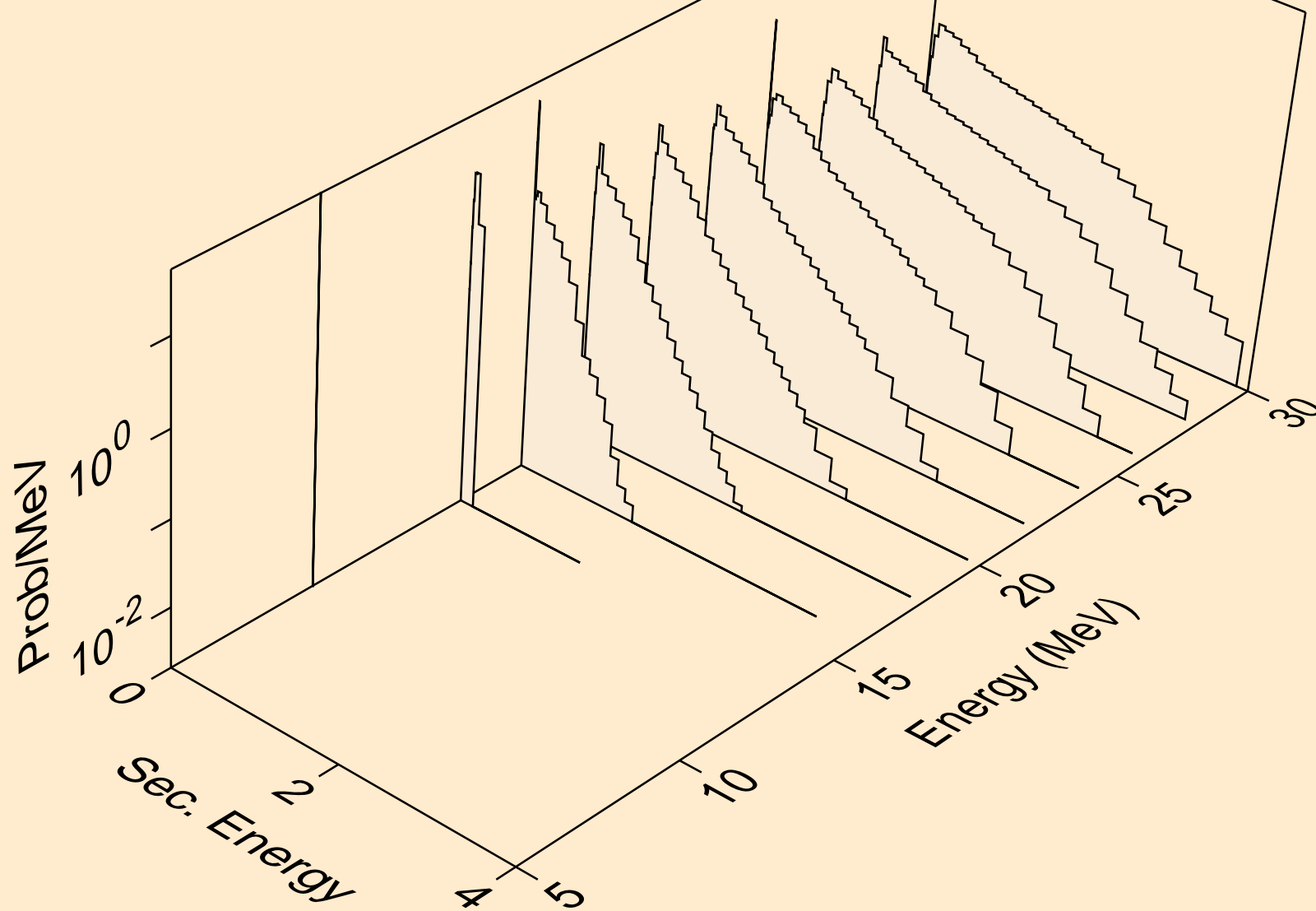
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (d,n\*)d



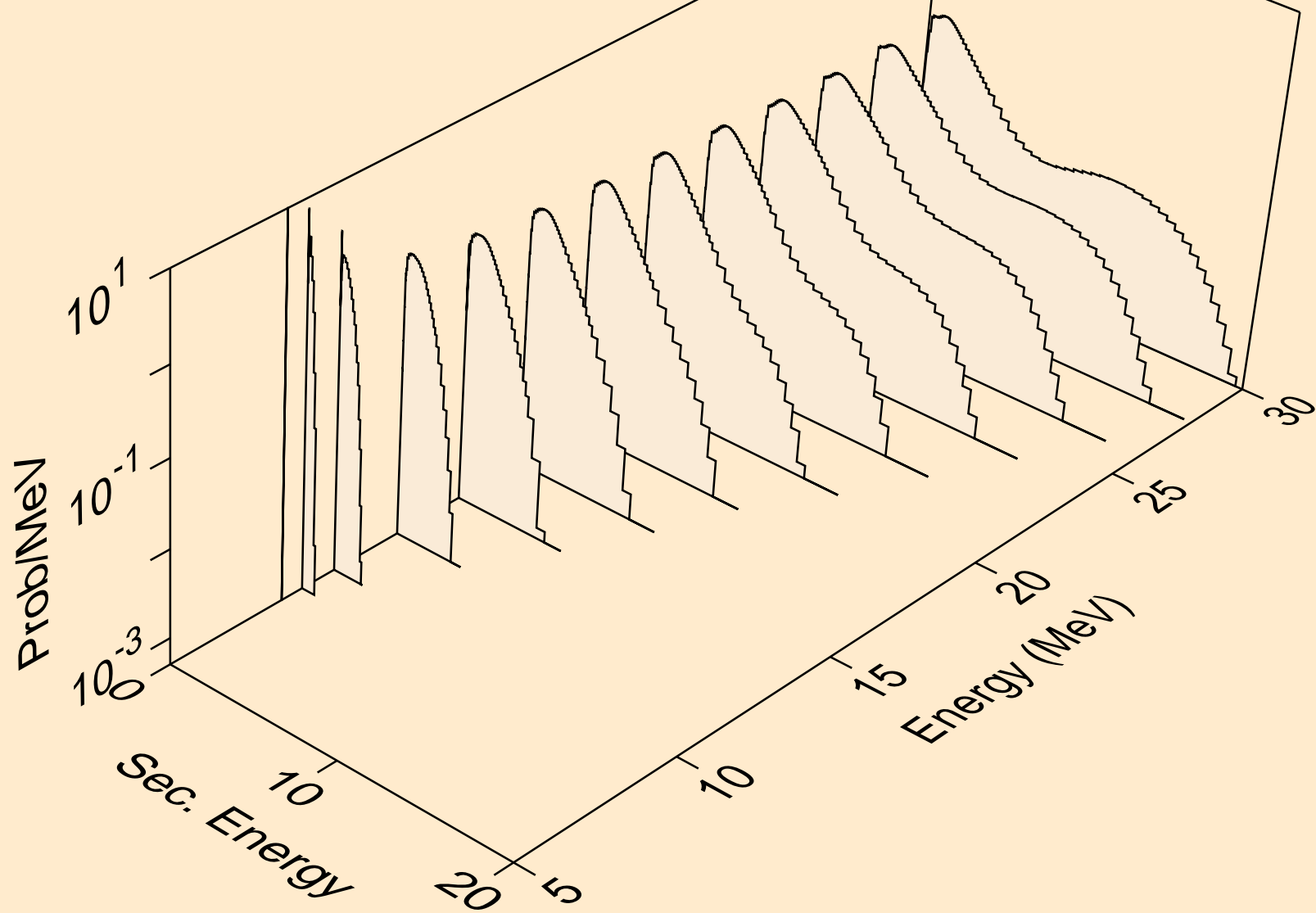
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neutrons from (d,n\*)t



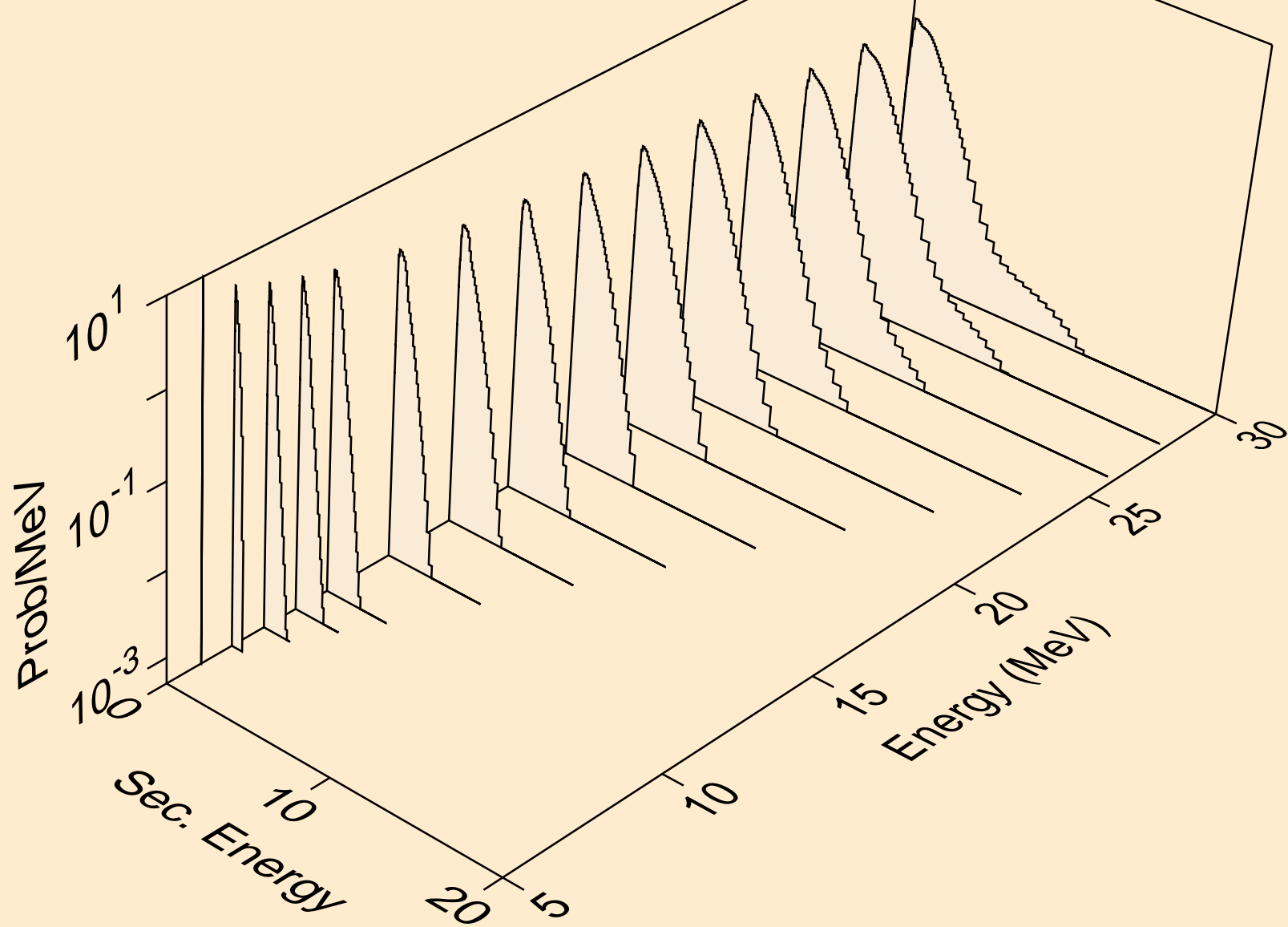
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (d,n\*)he3



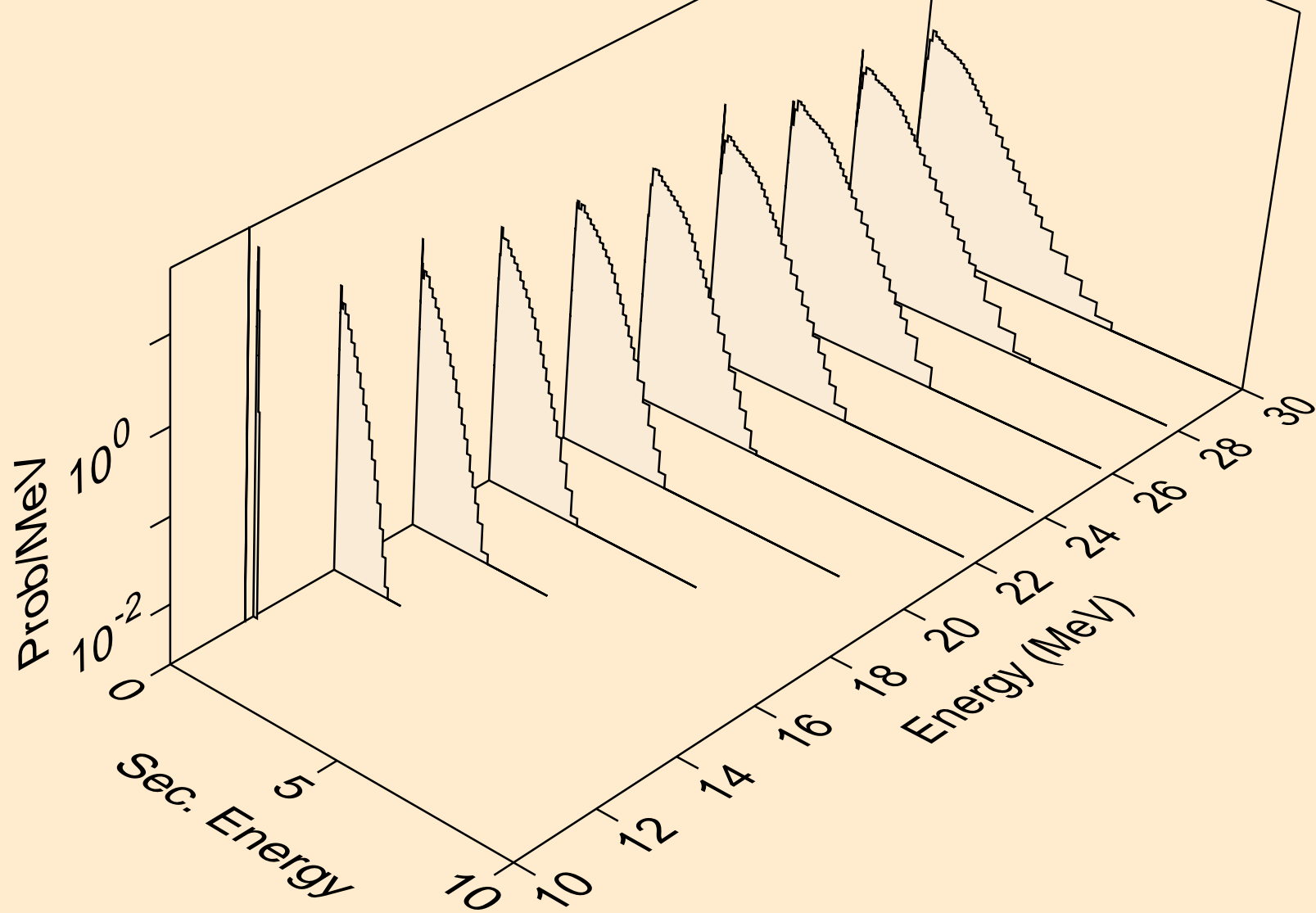
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (d,4n)



XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
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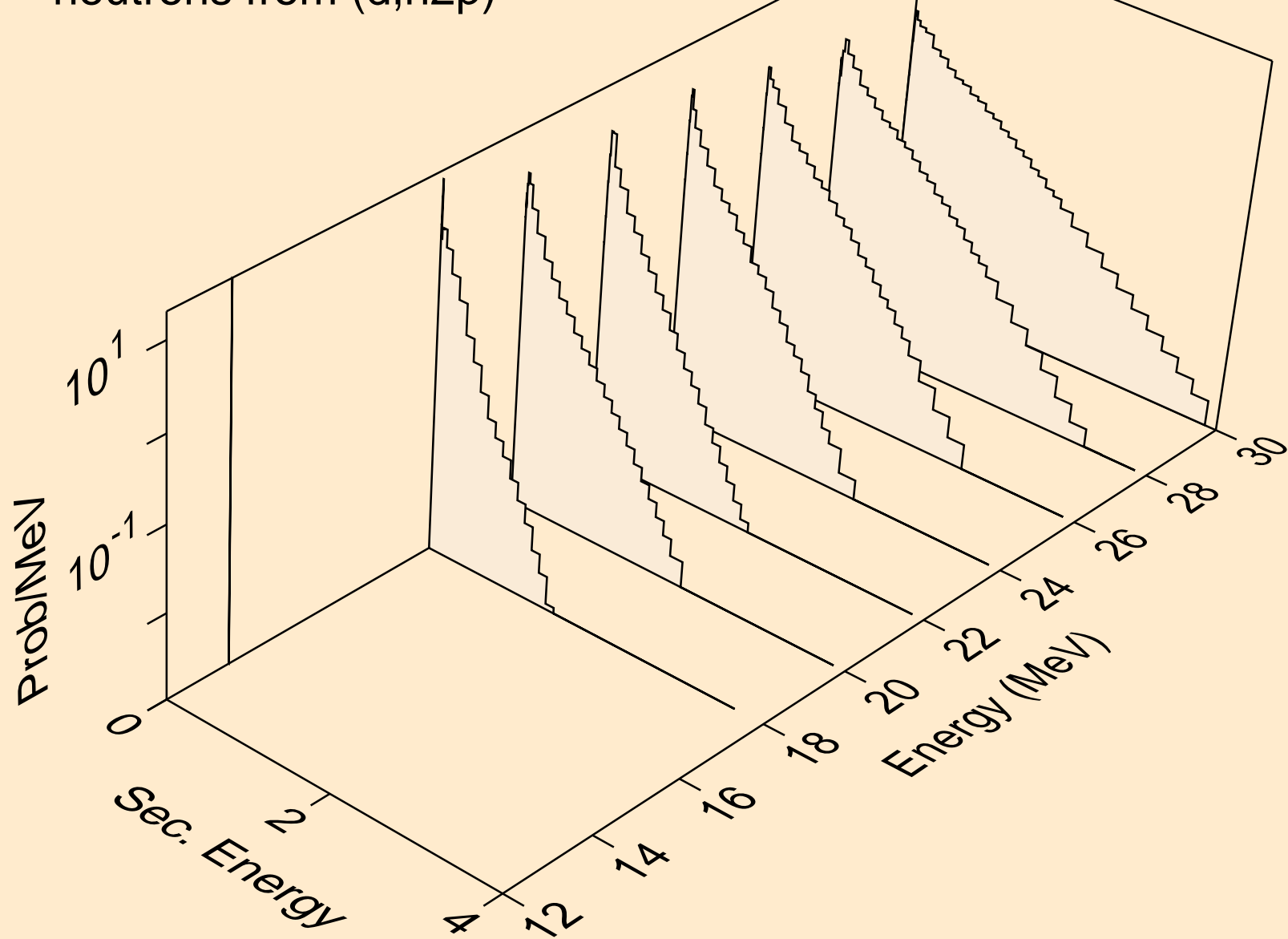


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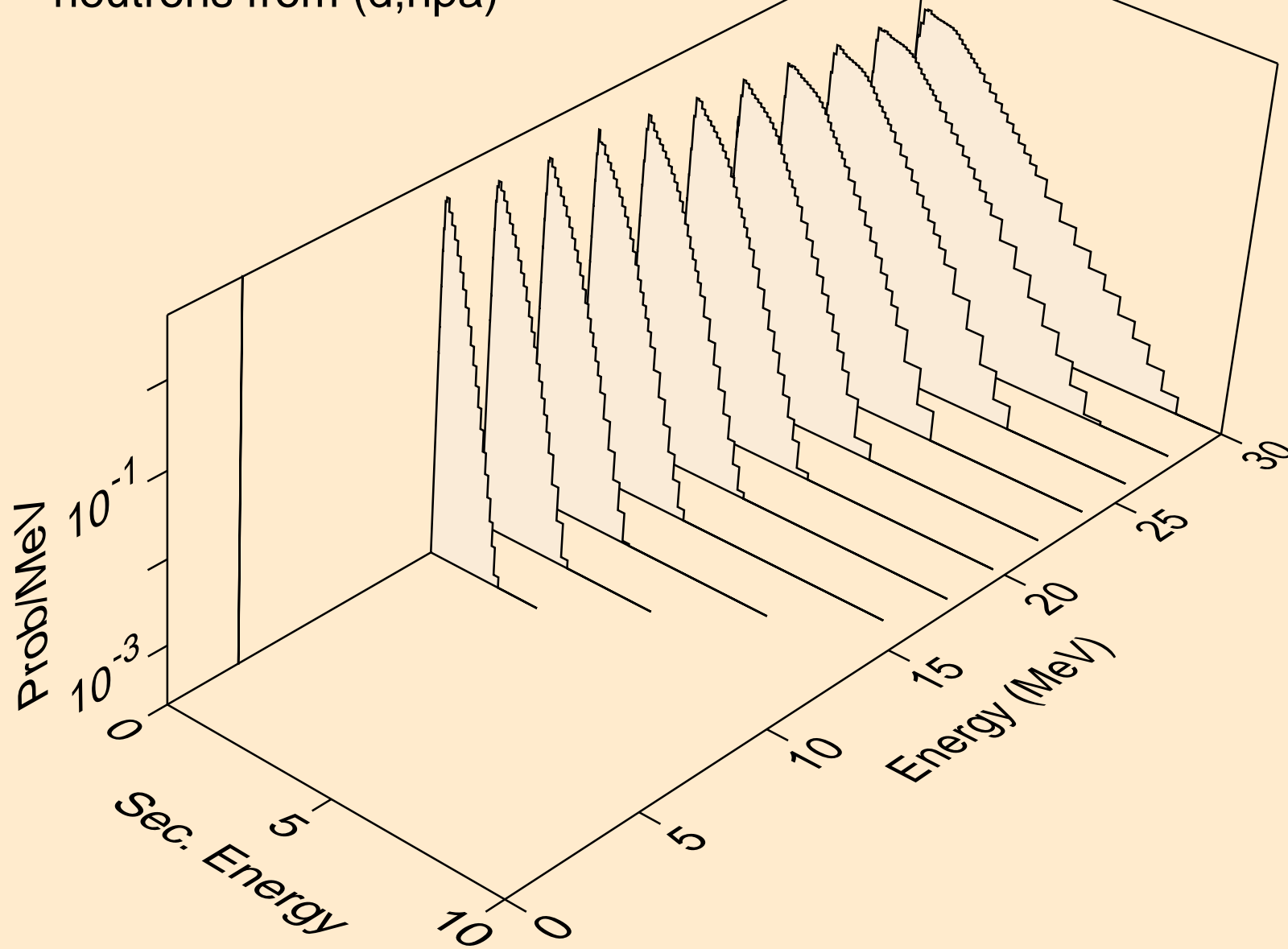




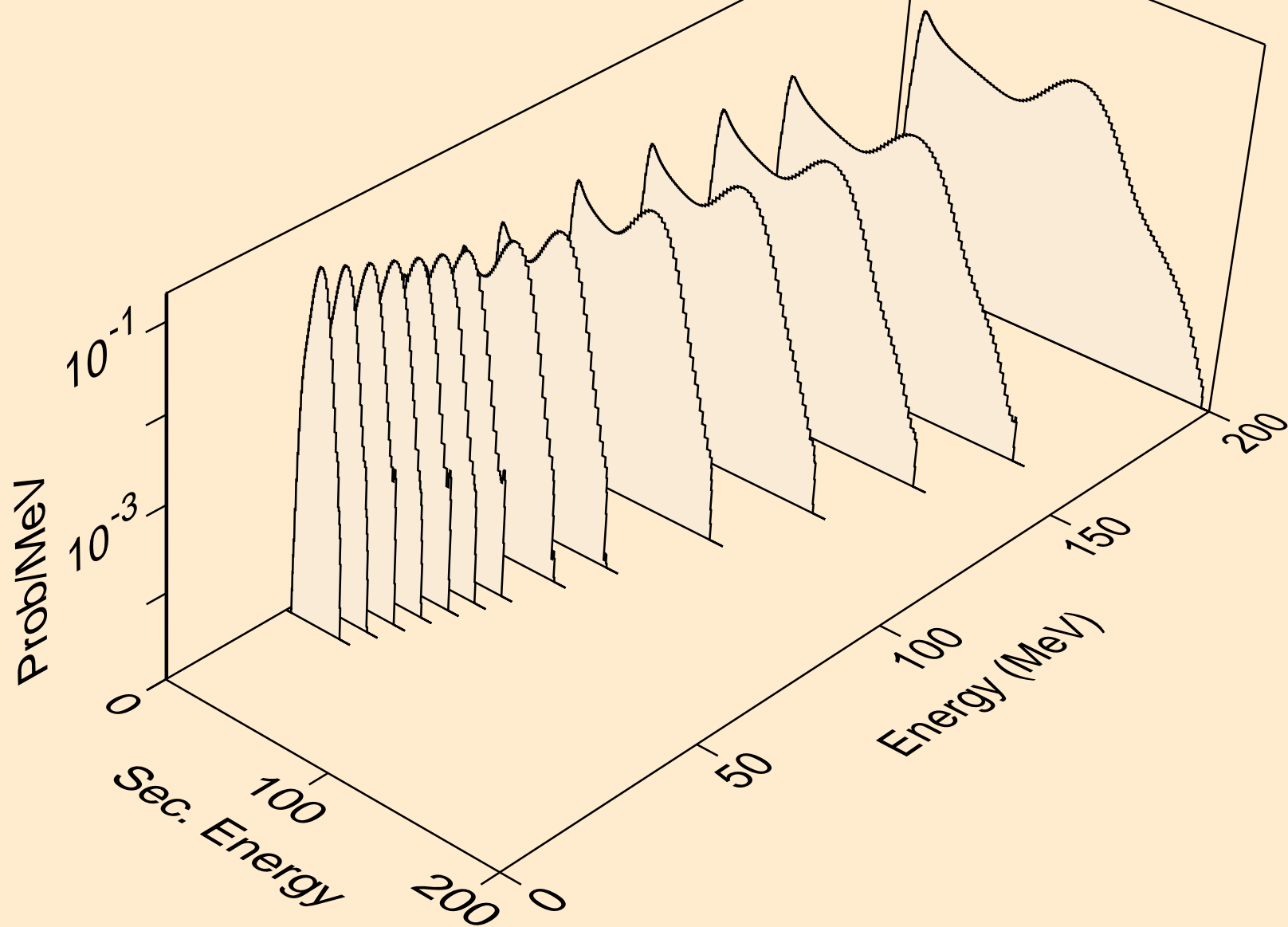
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neutrons from (d,n2p)



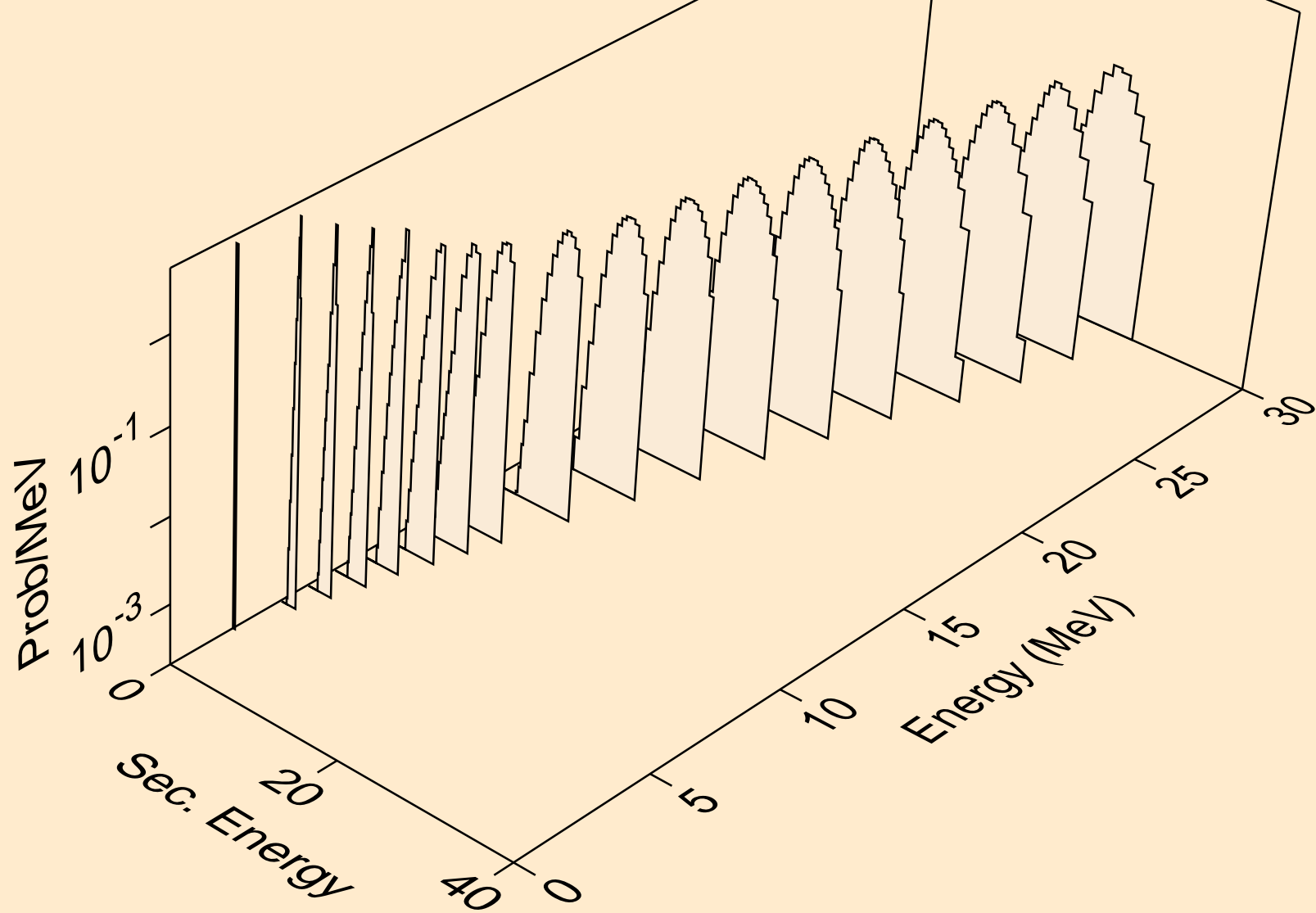
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (d,npa)



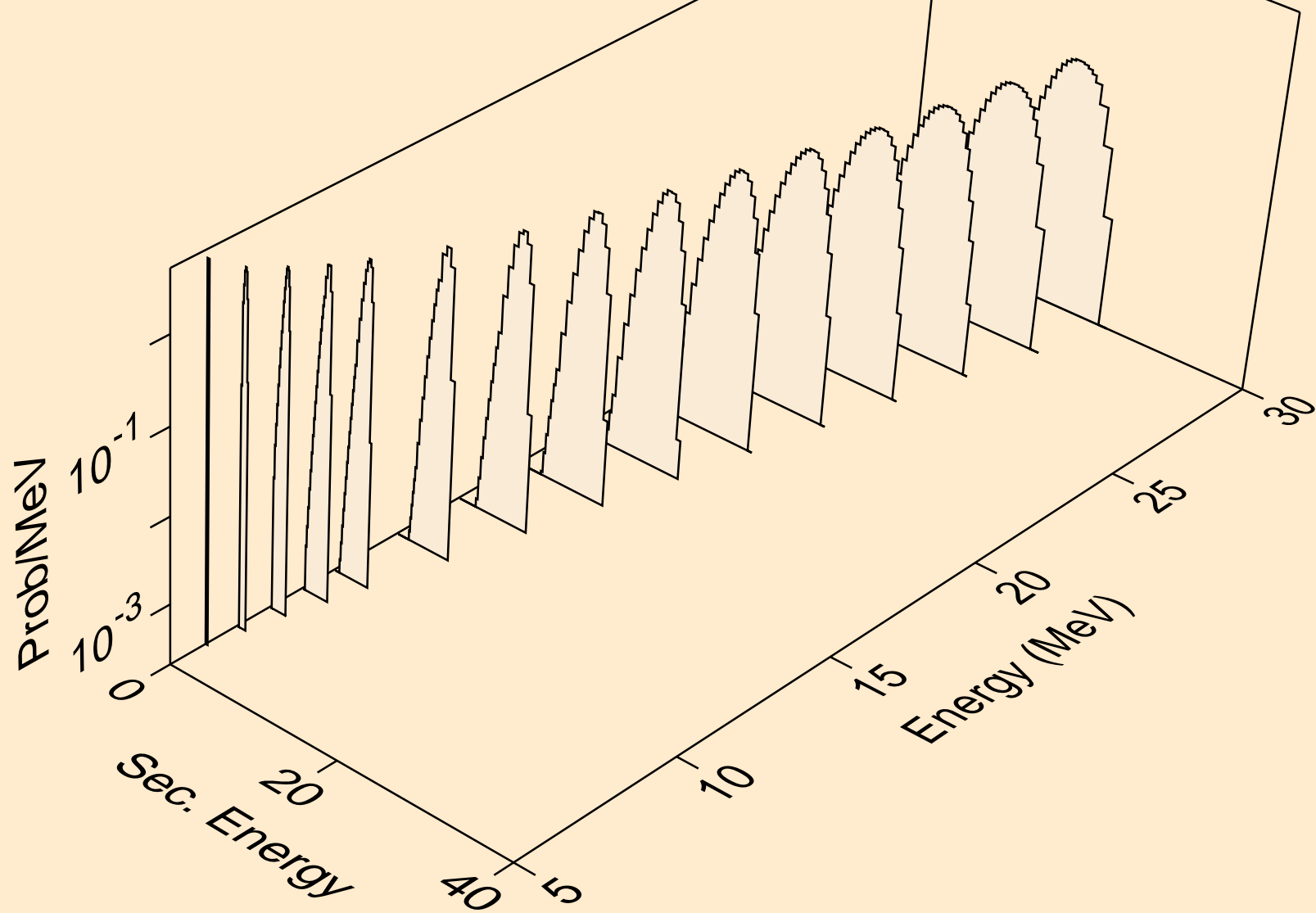
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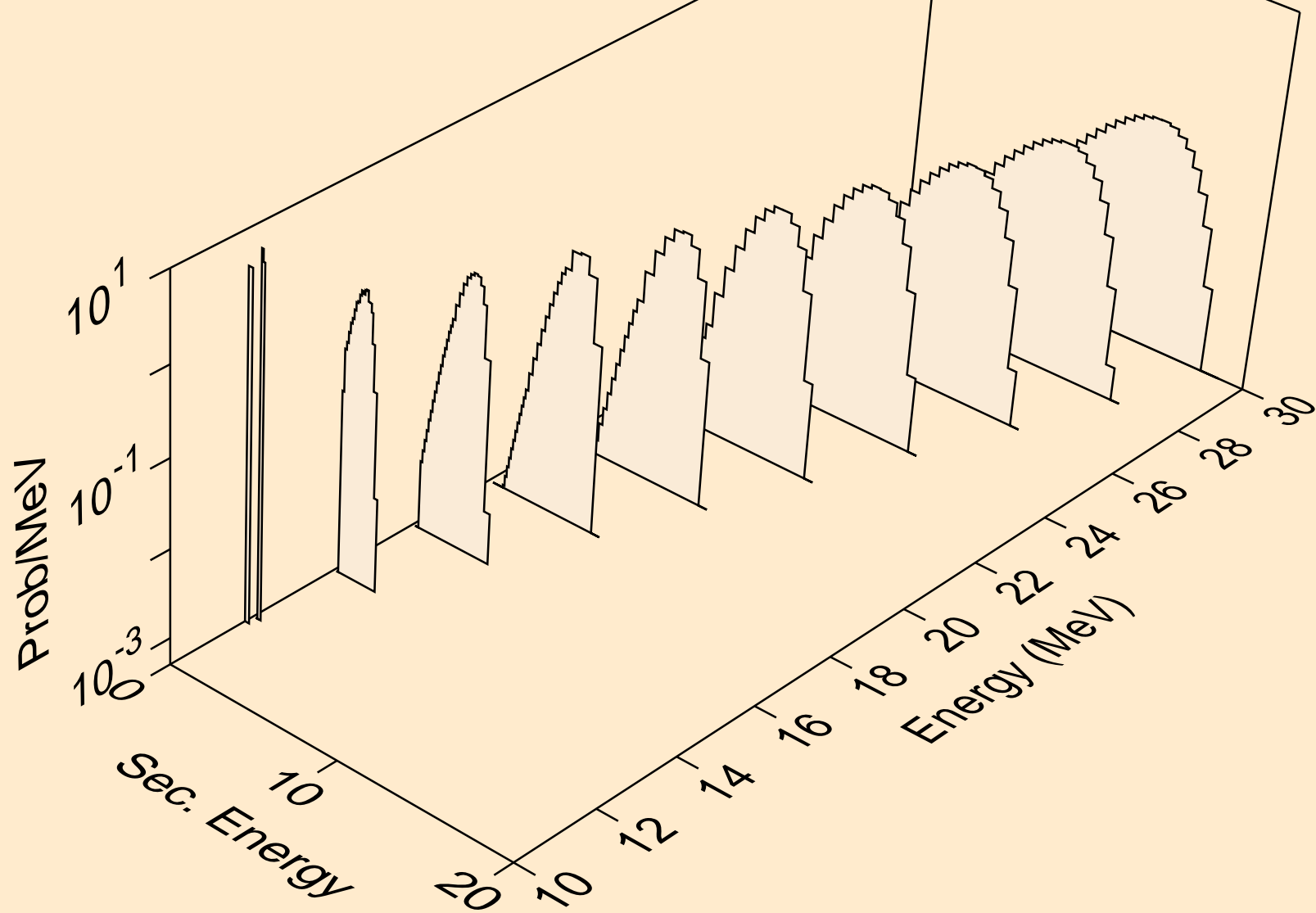
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protons from (d,n\*)p



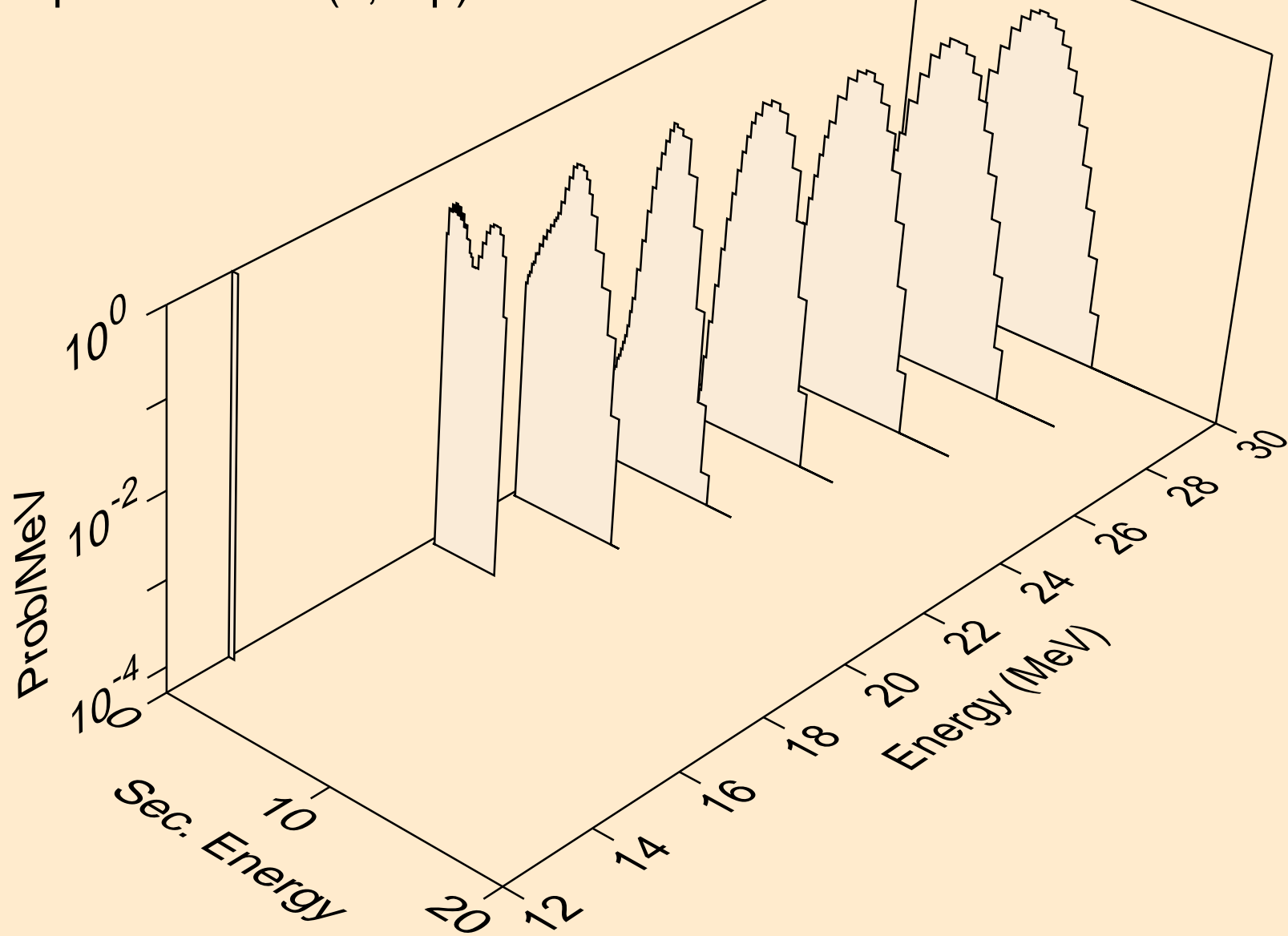
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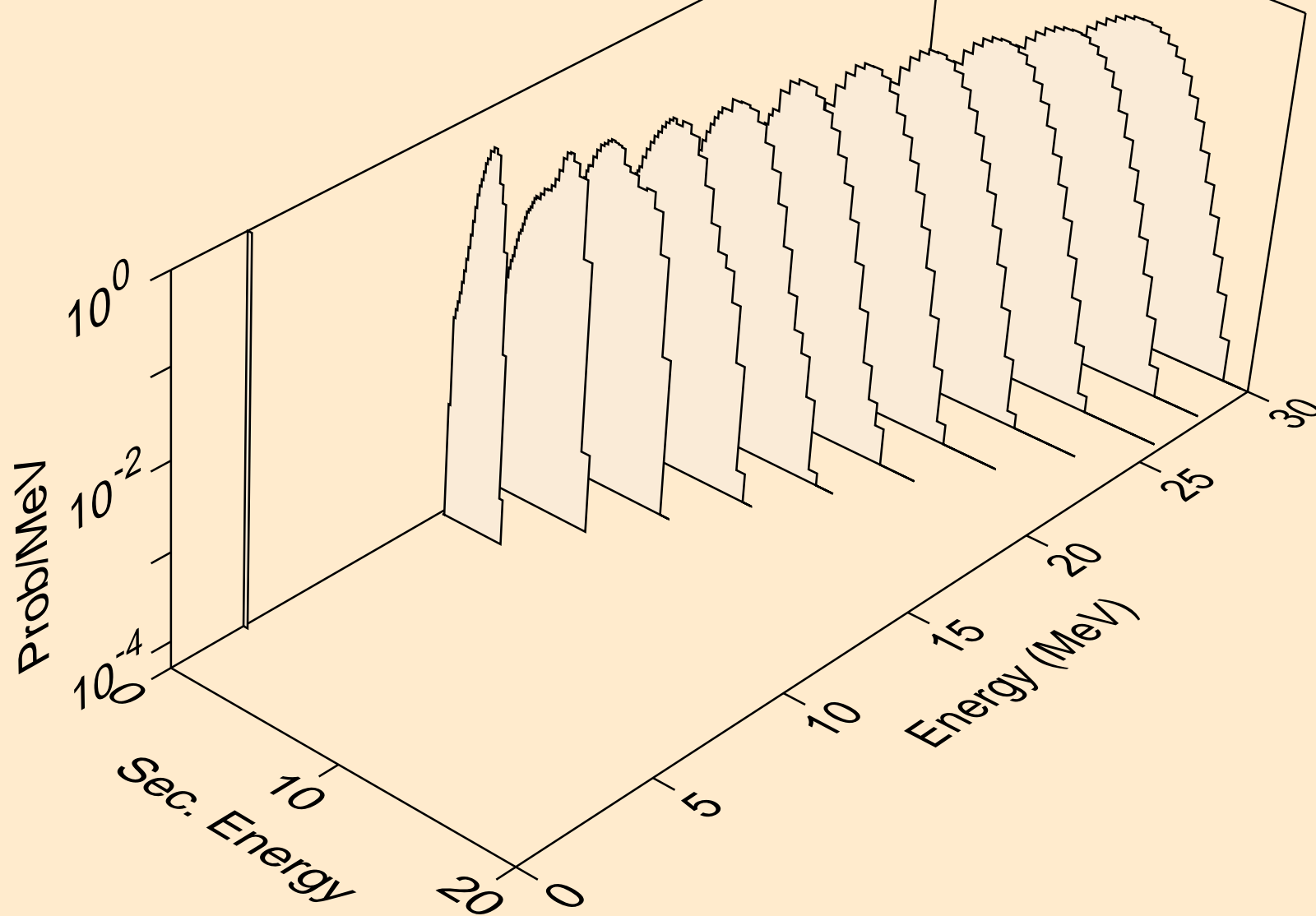
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (d,3np)



XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
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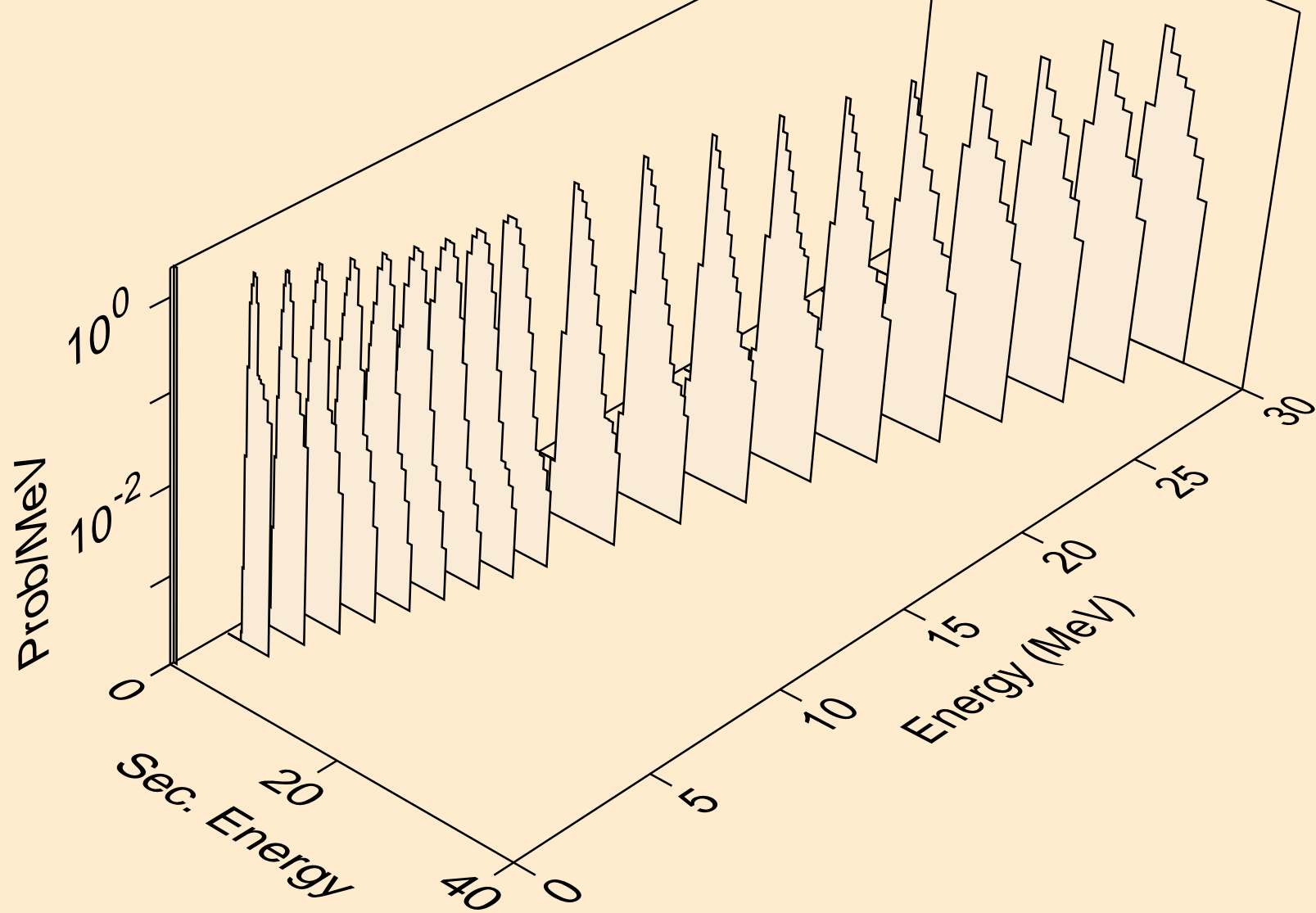


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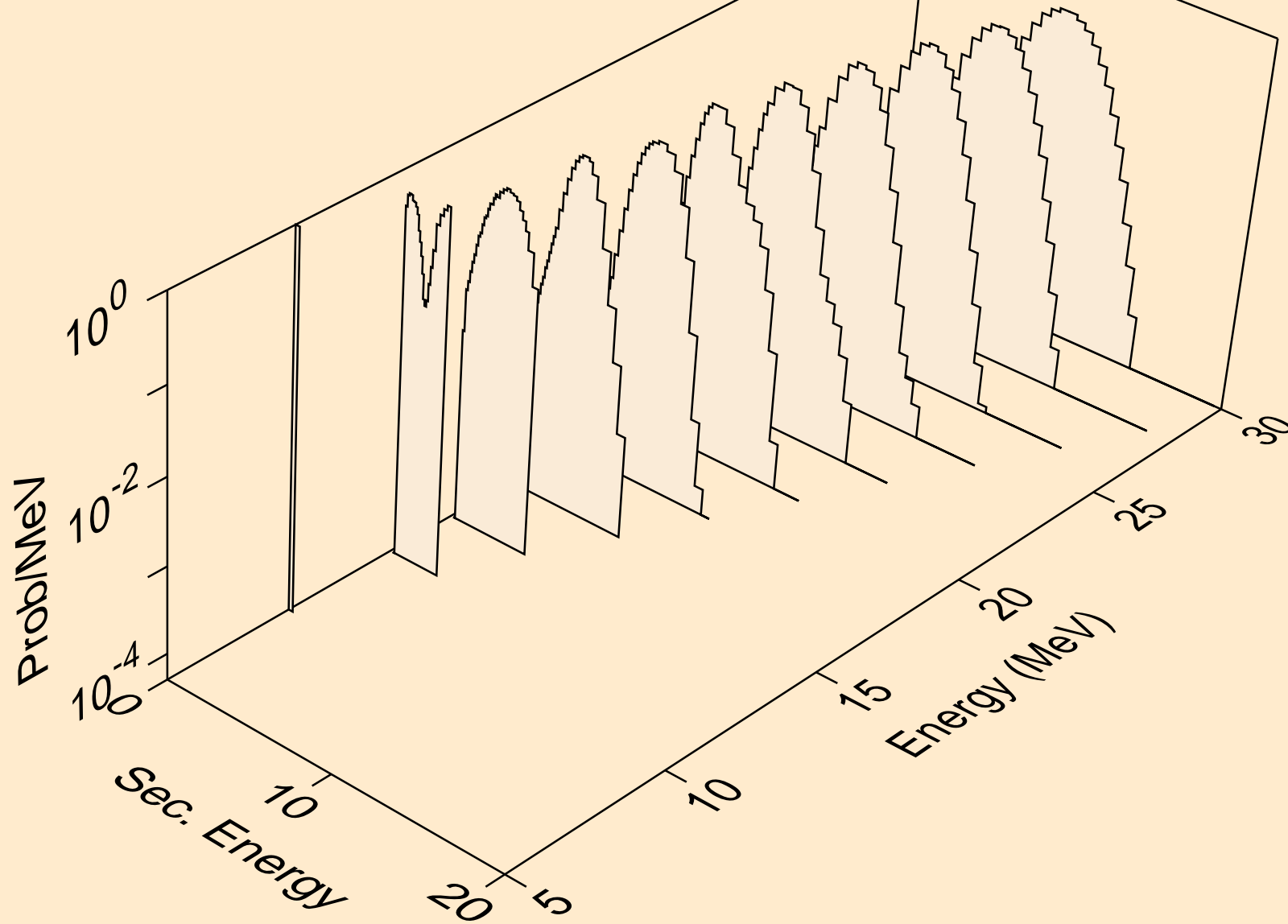




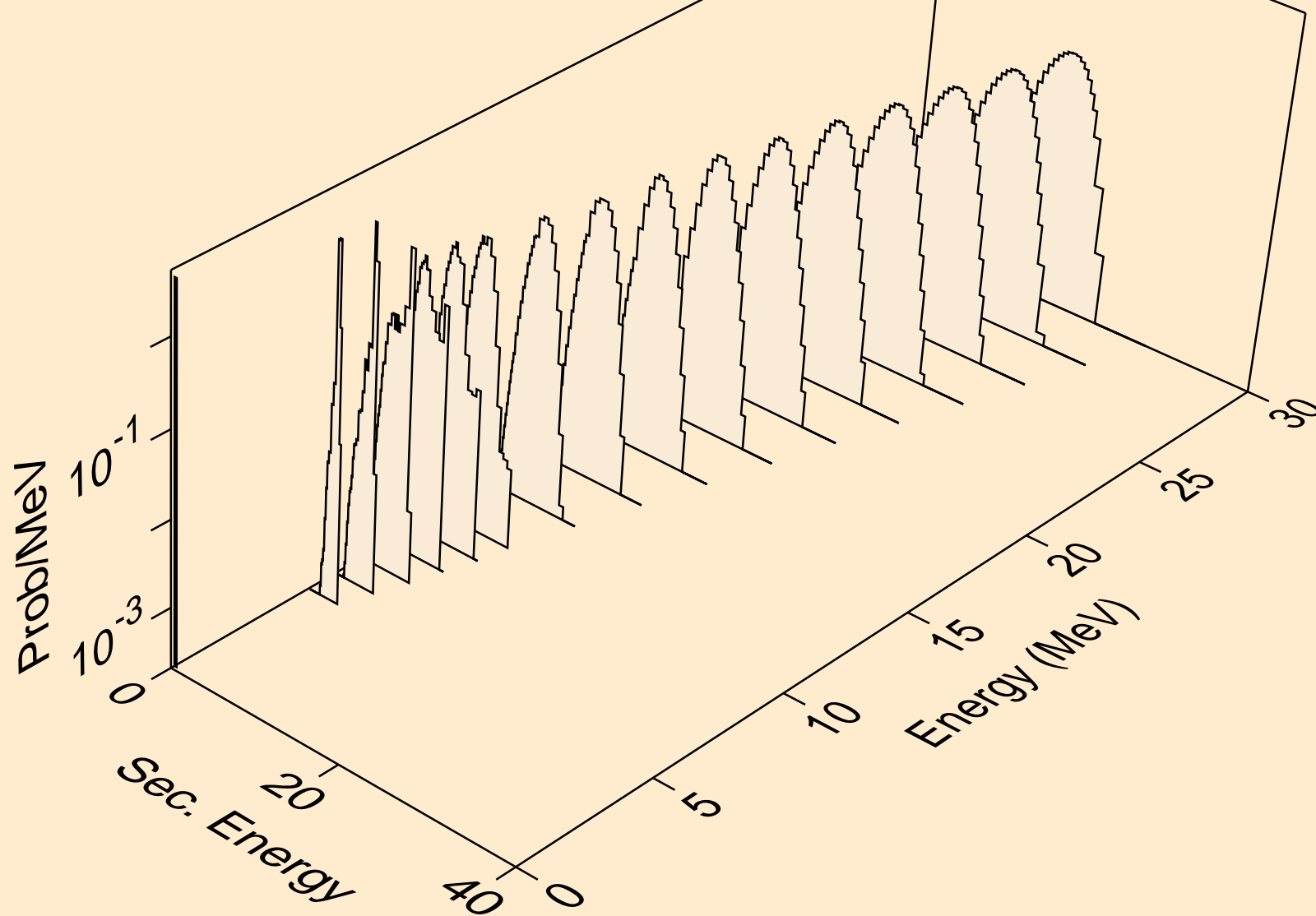
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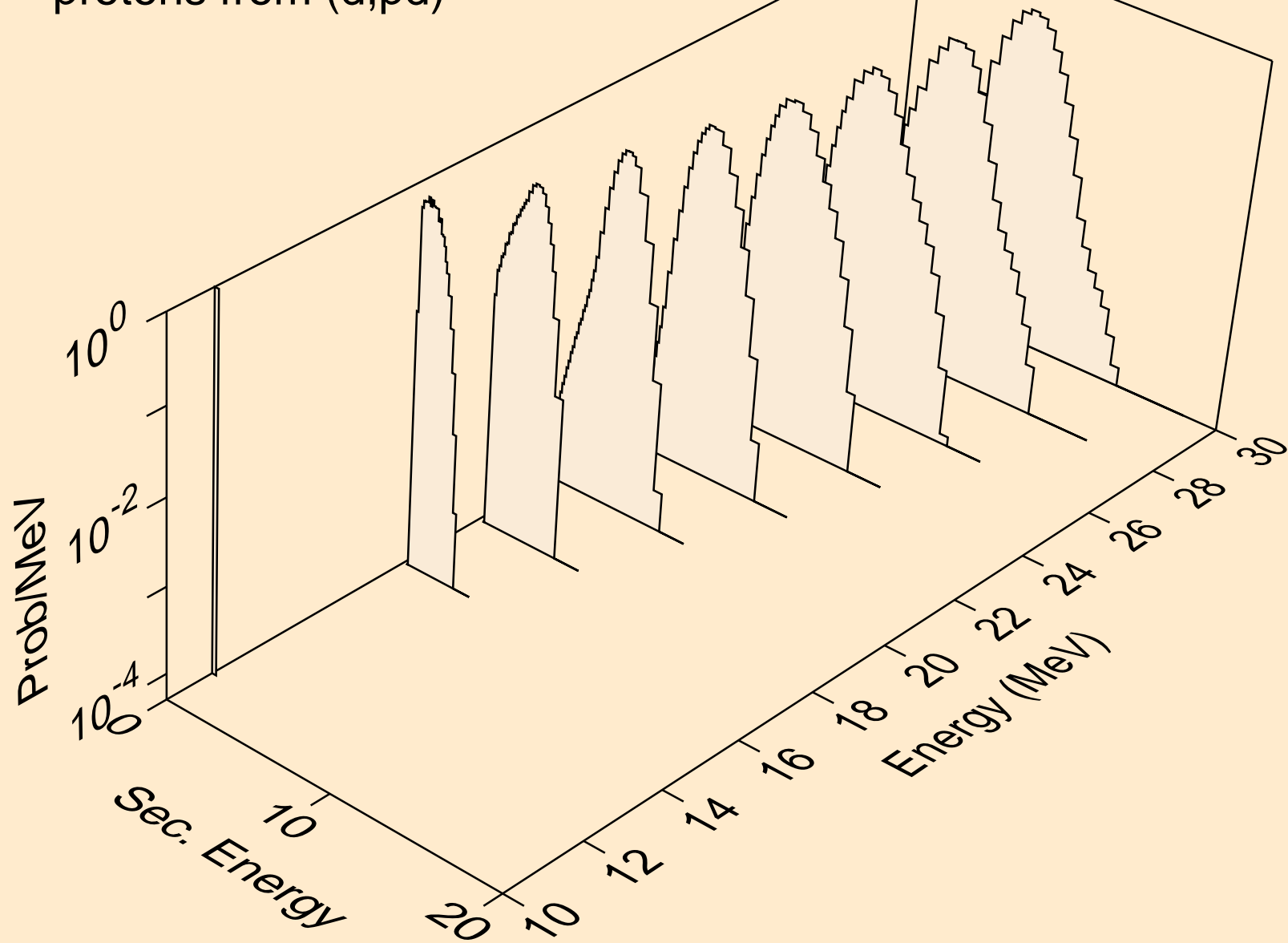
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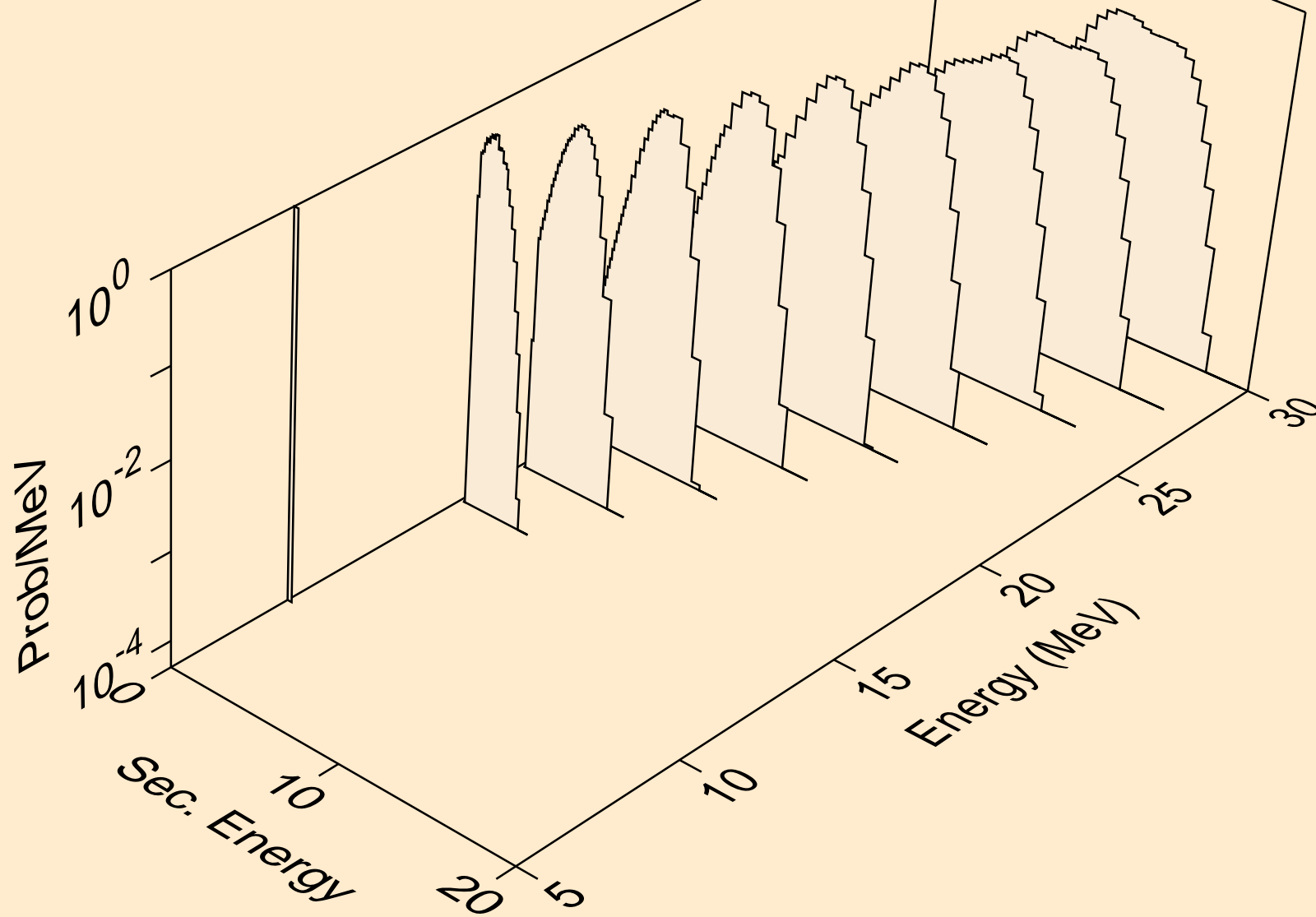
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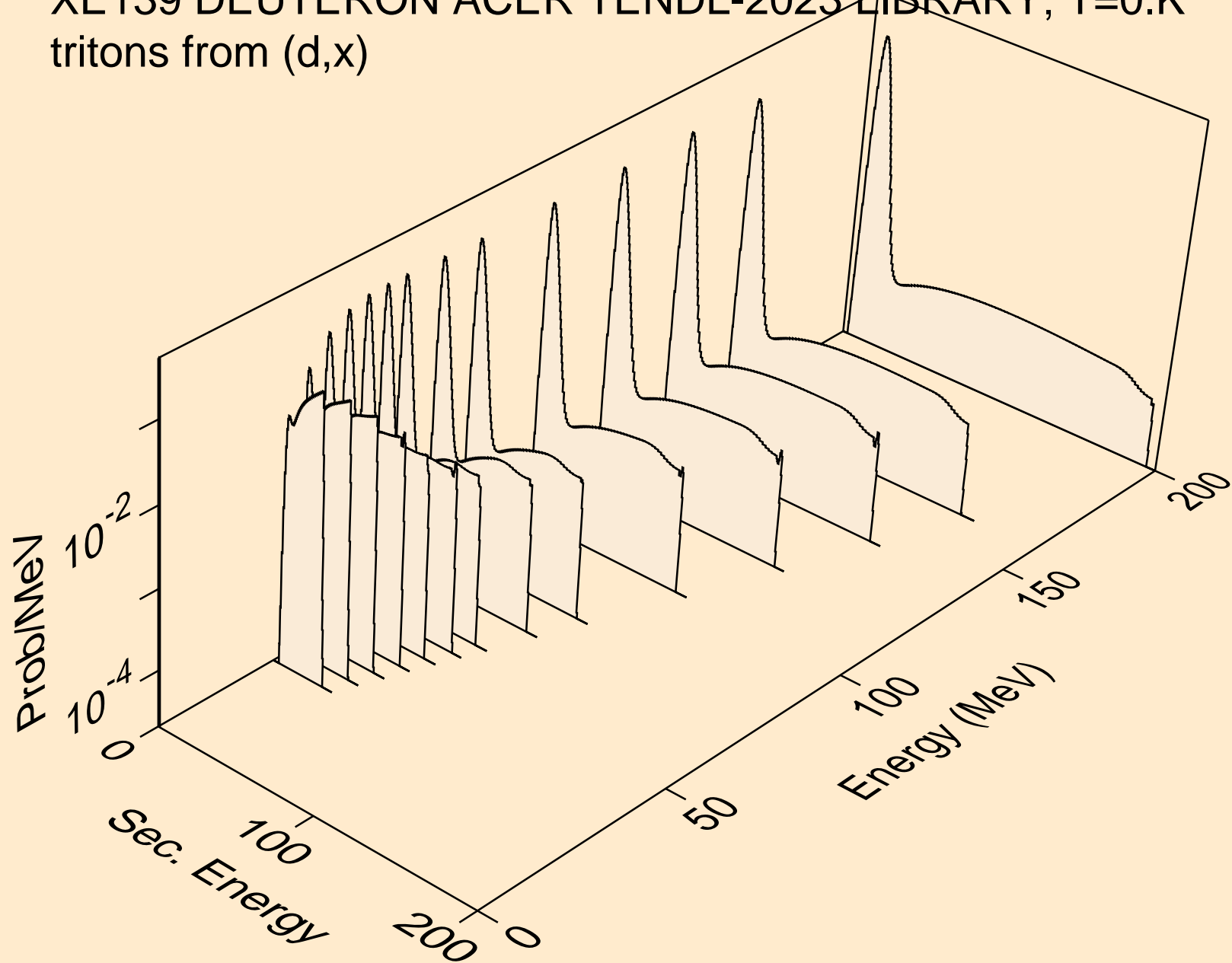
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protons from (d,pd)



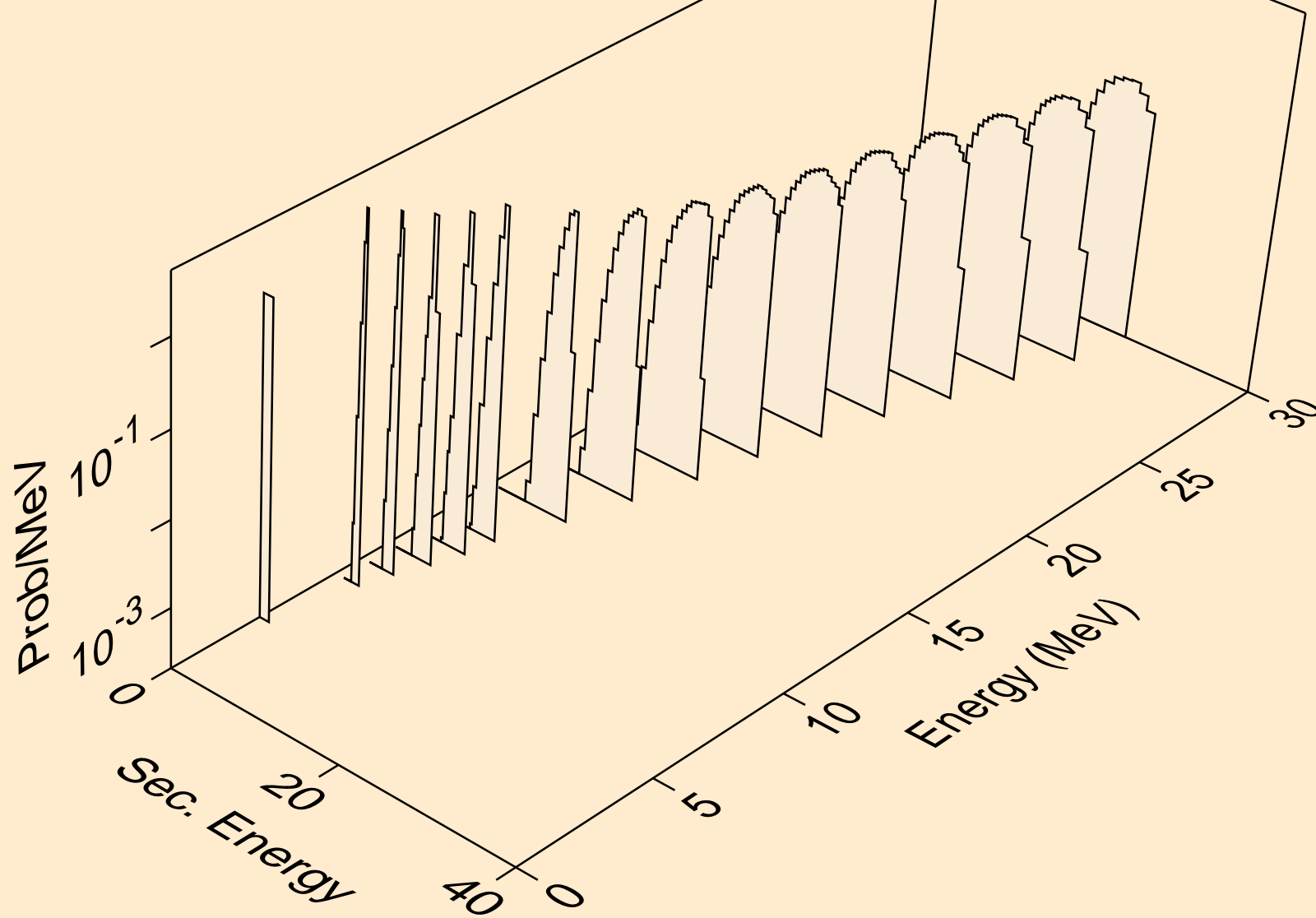
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protons from (d,pt)



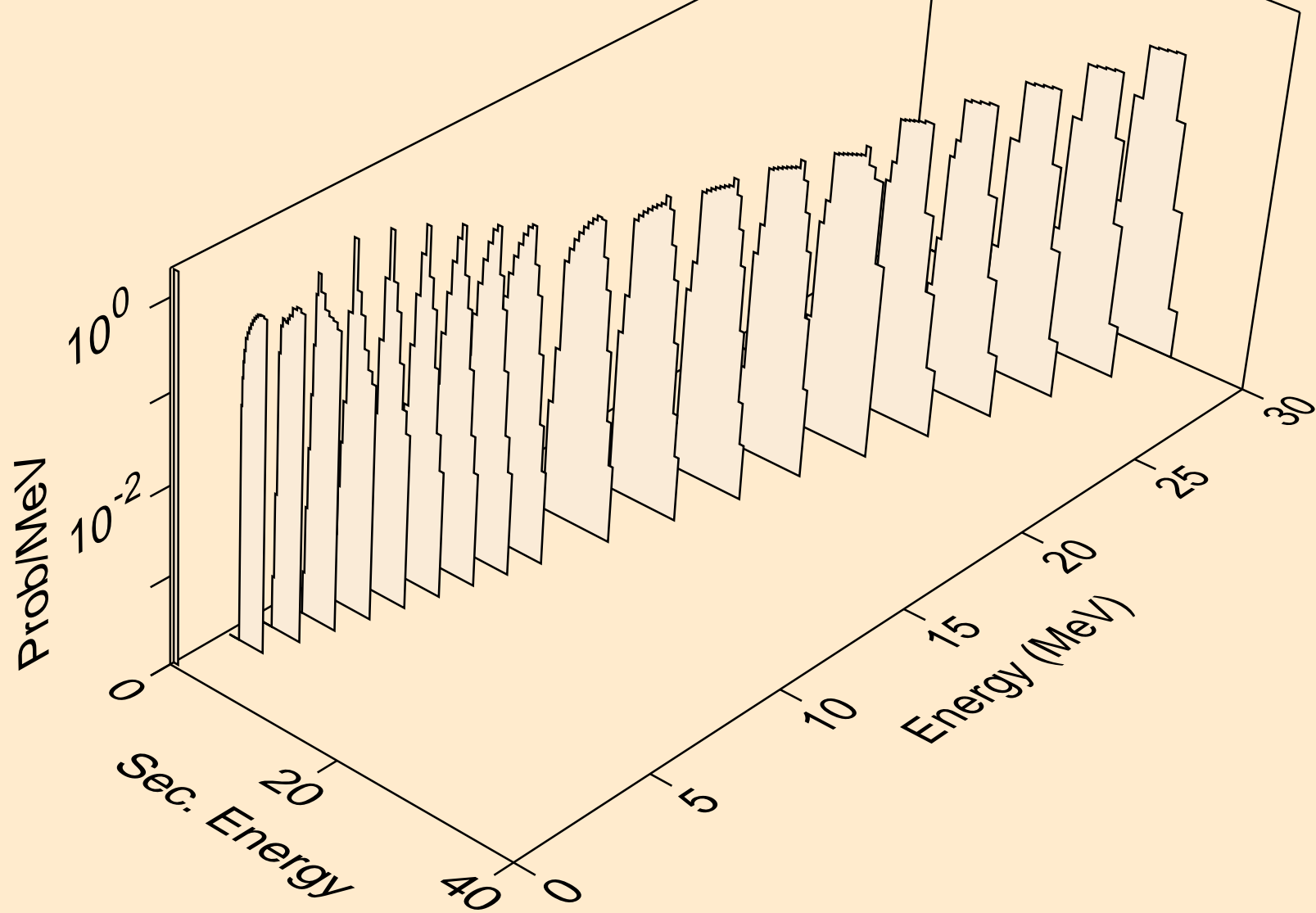
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (d,x)



XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (d,n\*)t

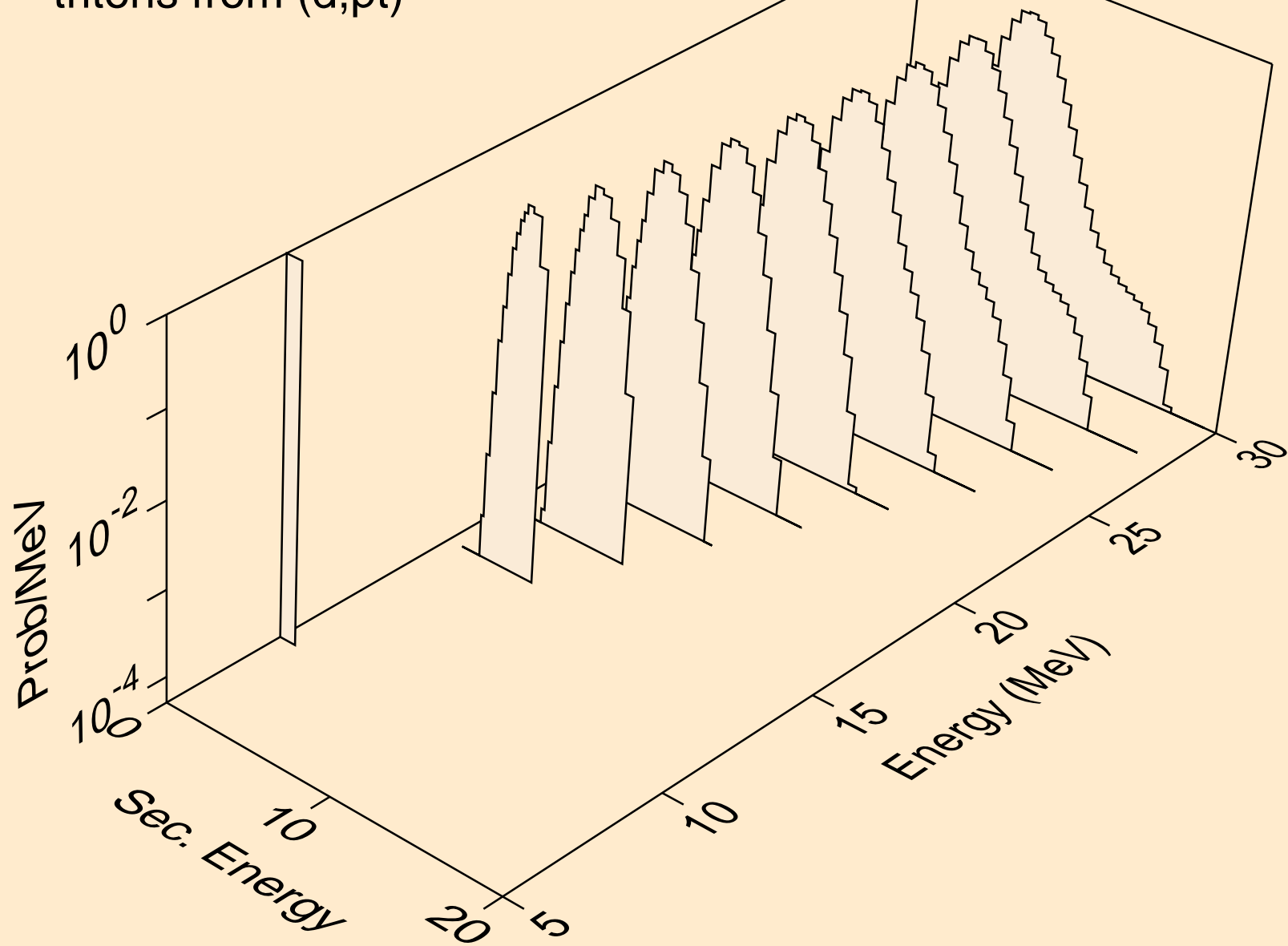


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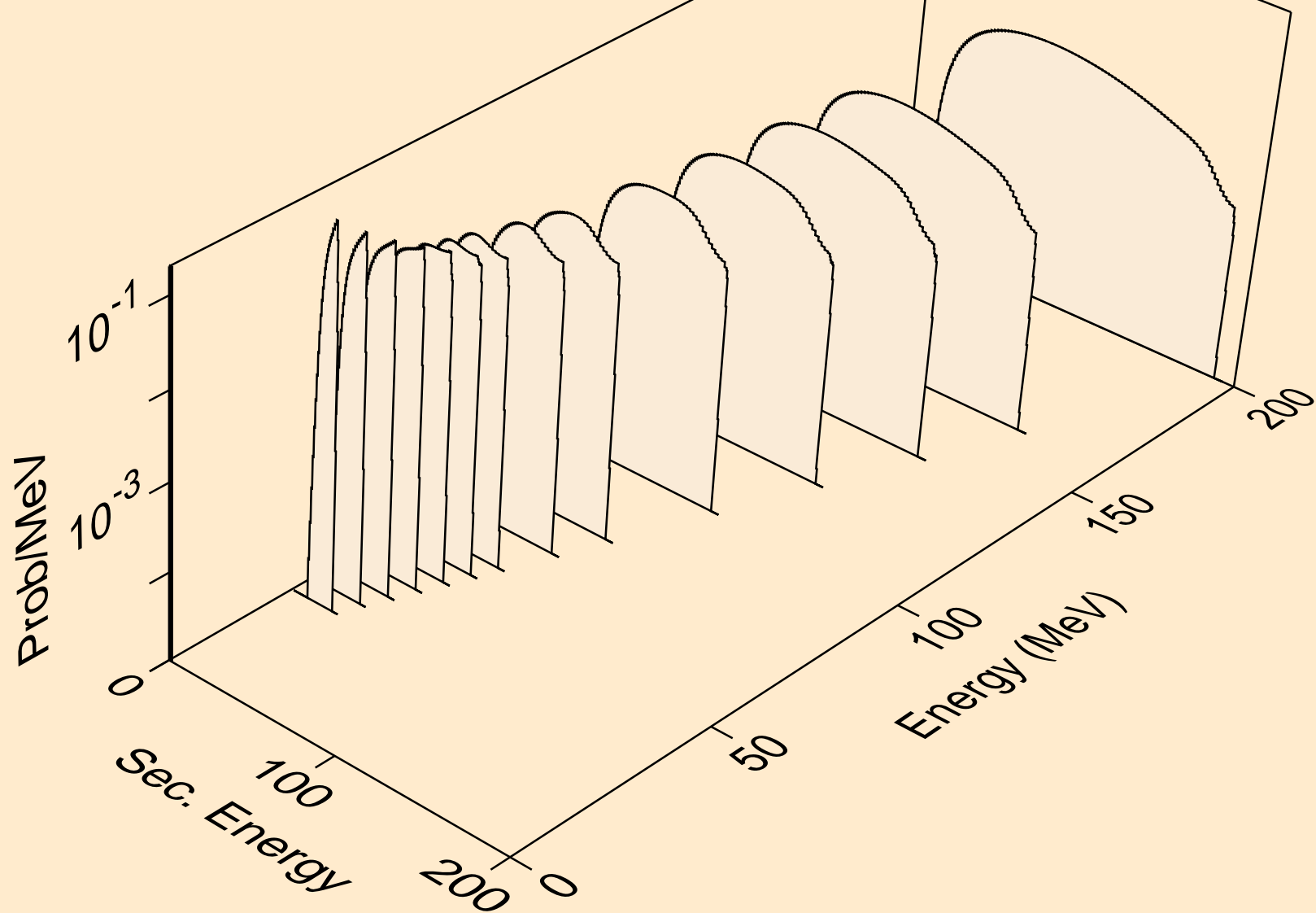




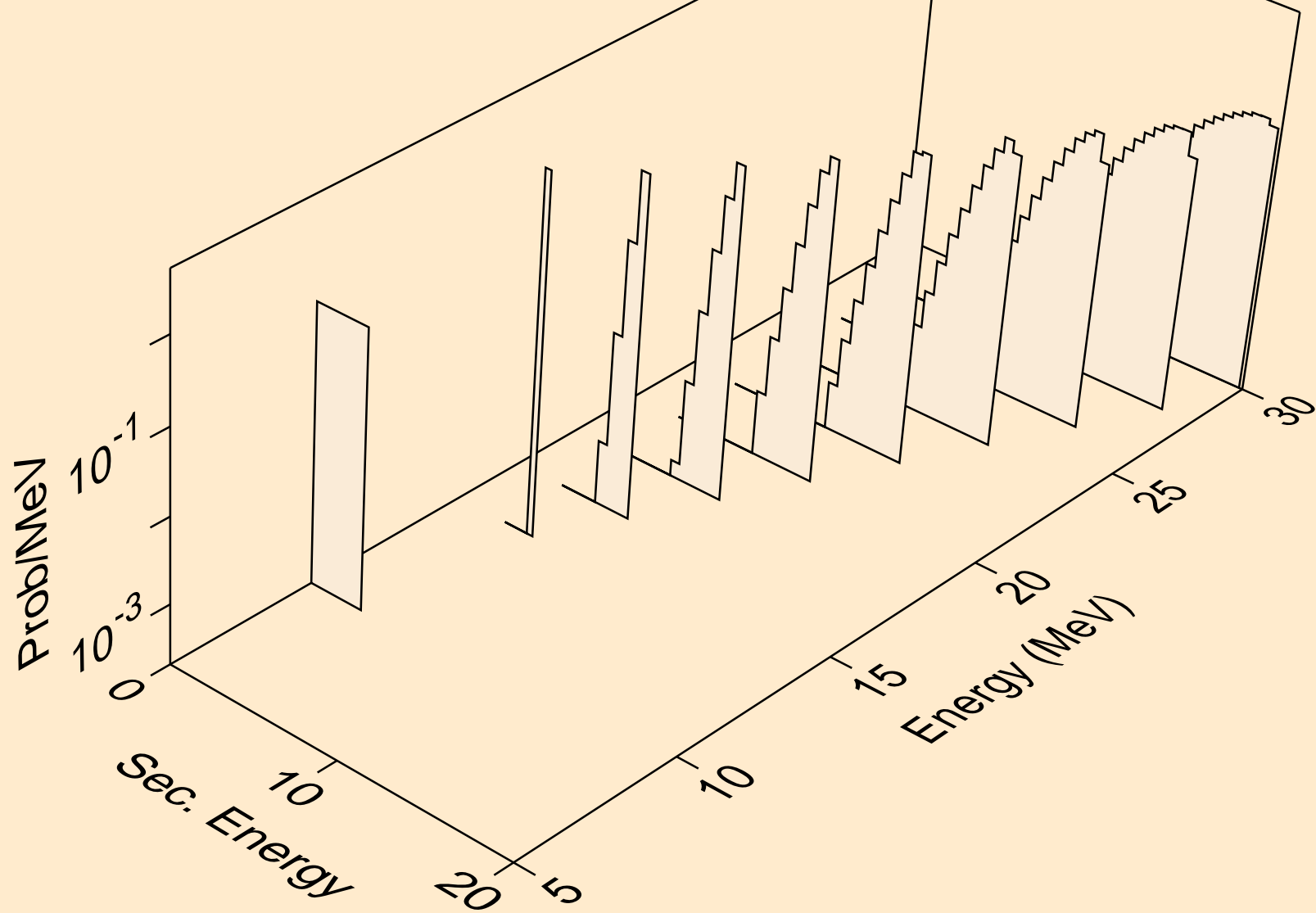
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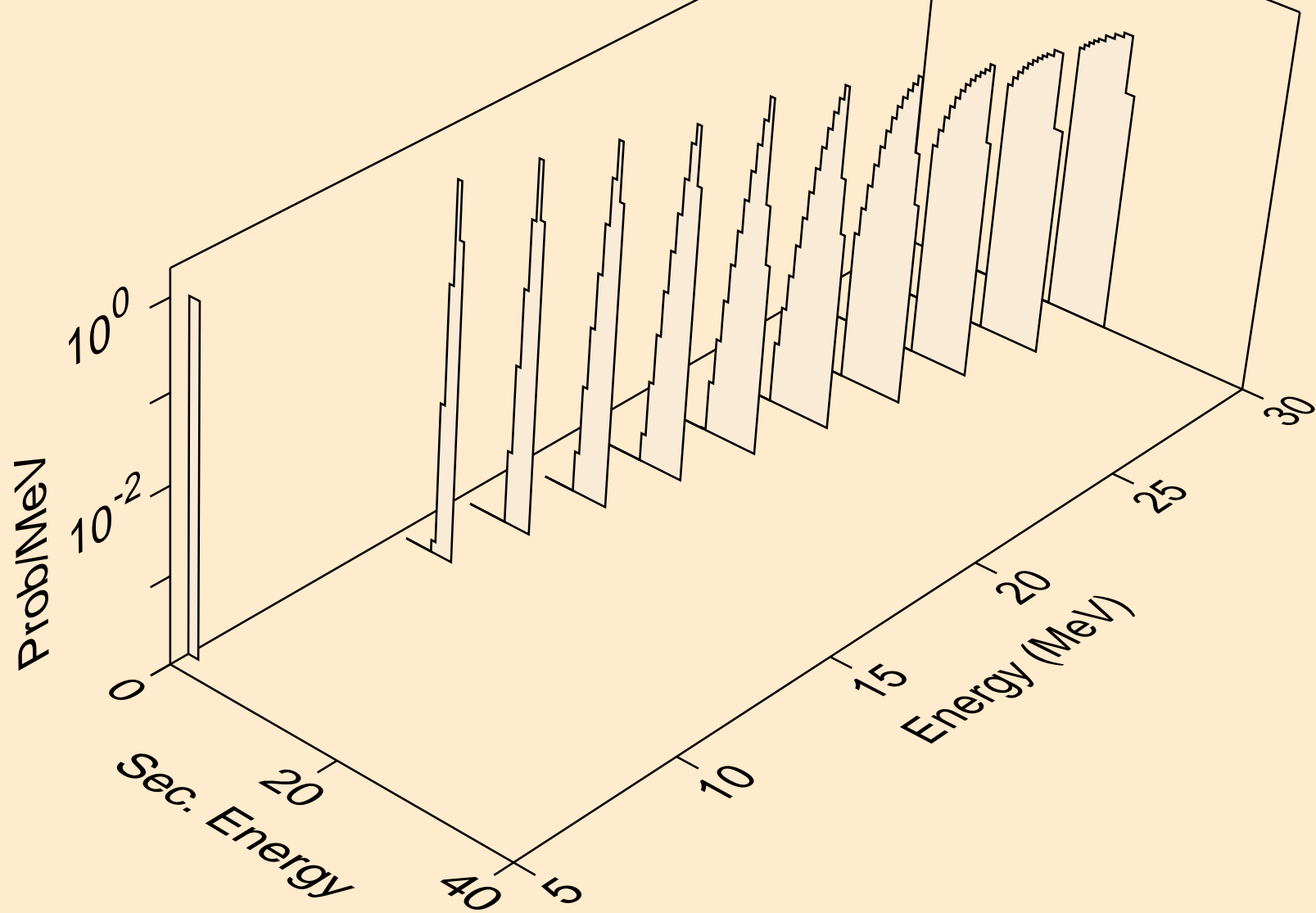
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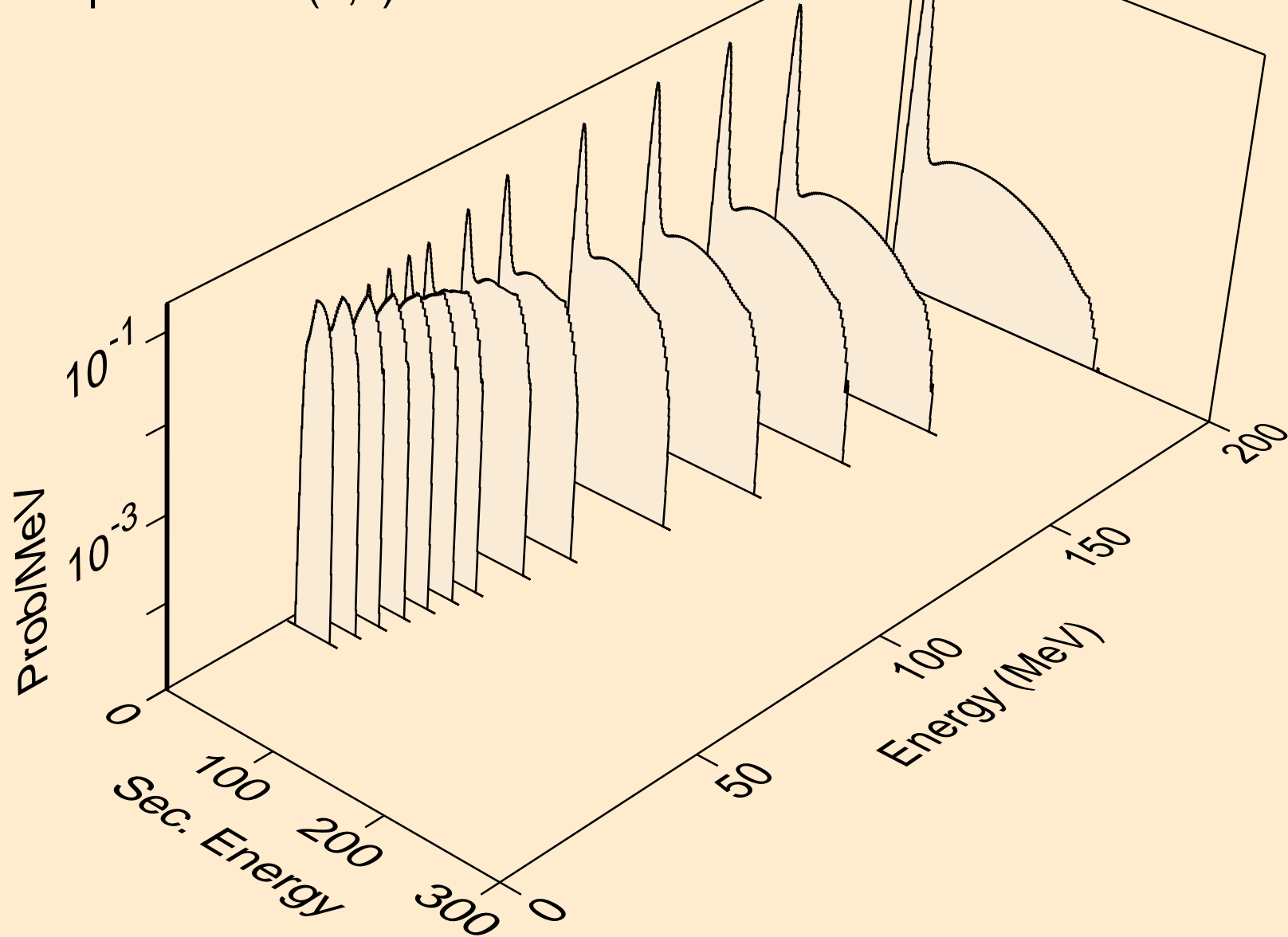
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he3s from (d,n\*)he3



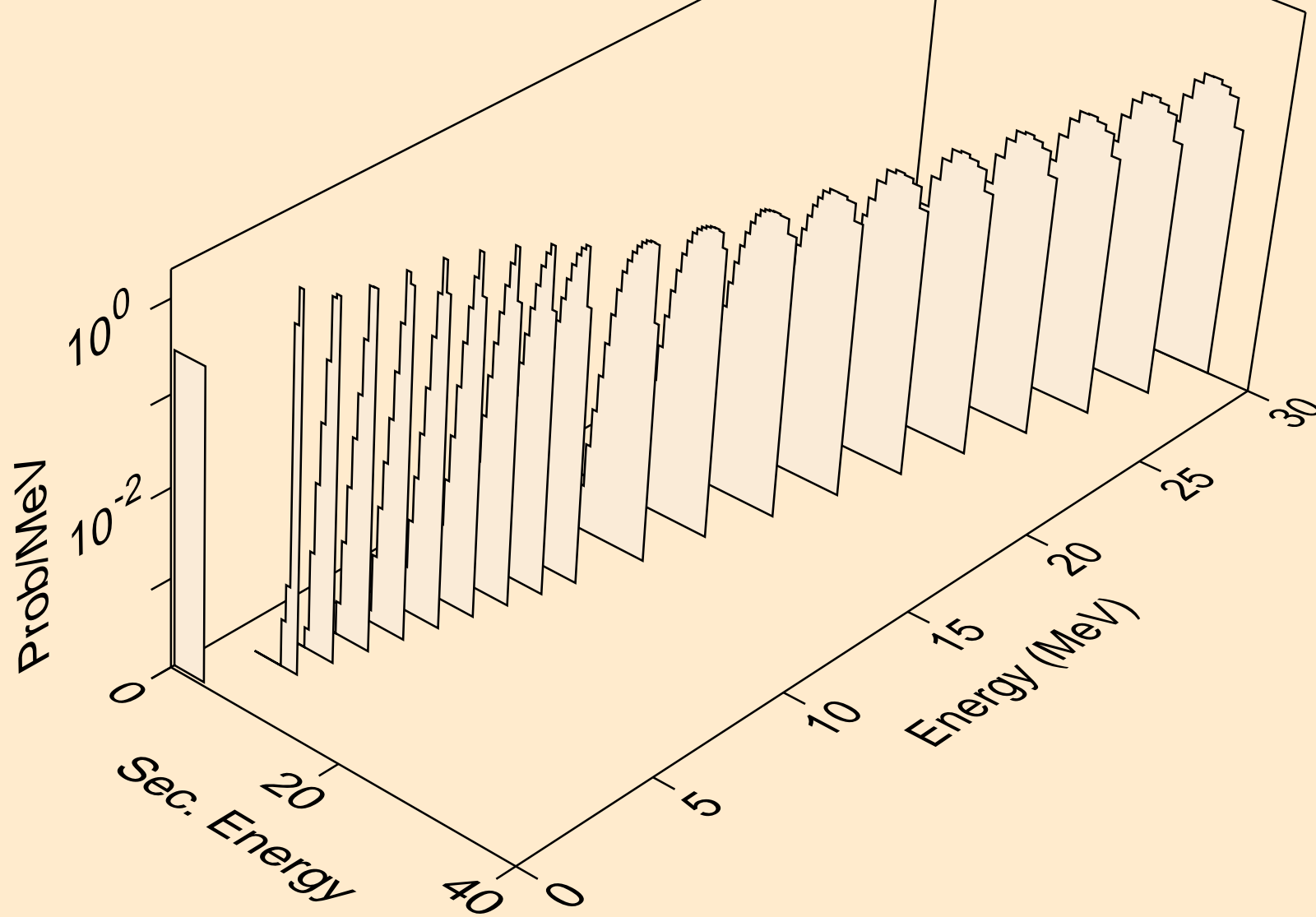
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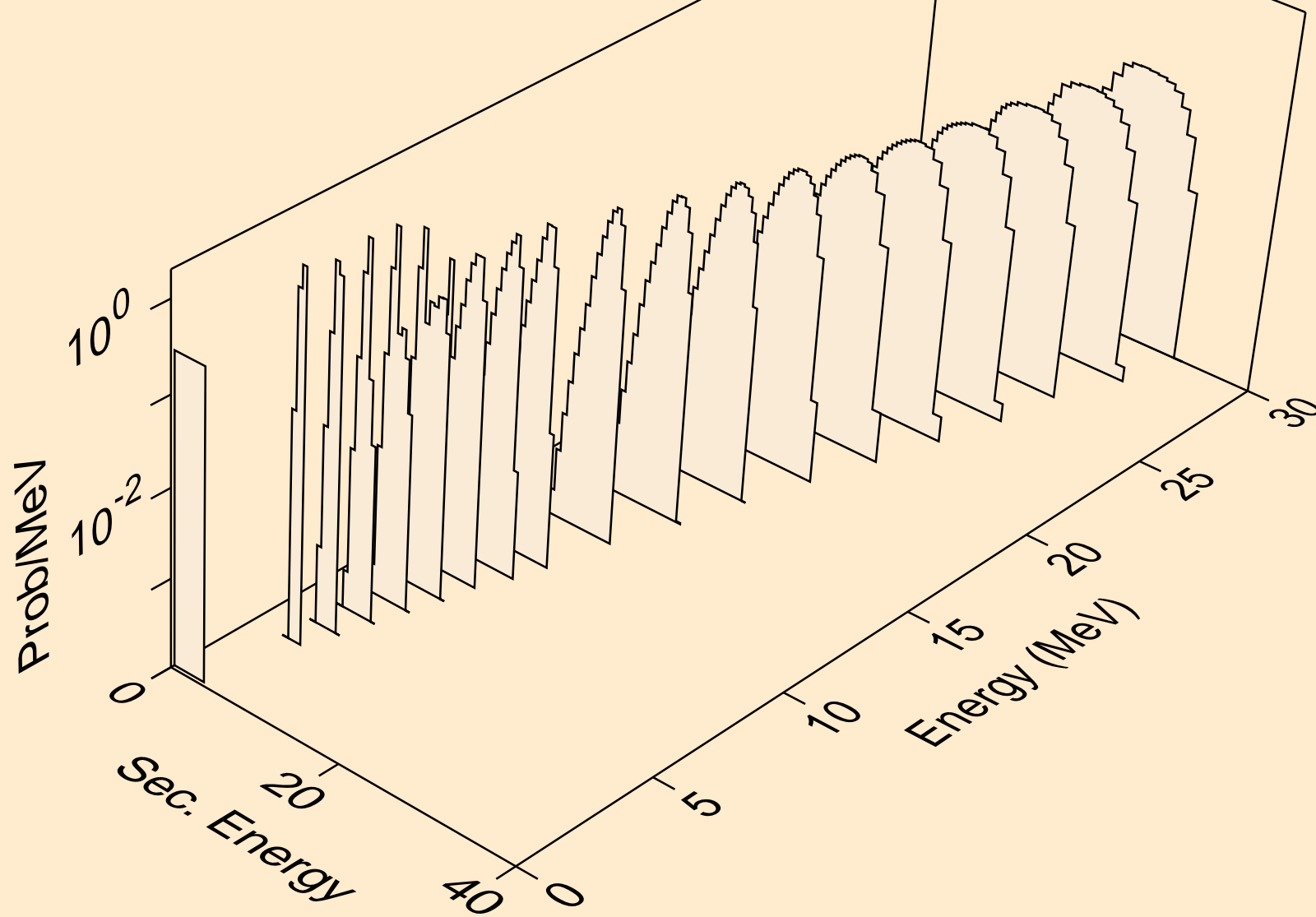
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alphas from (d,x)



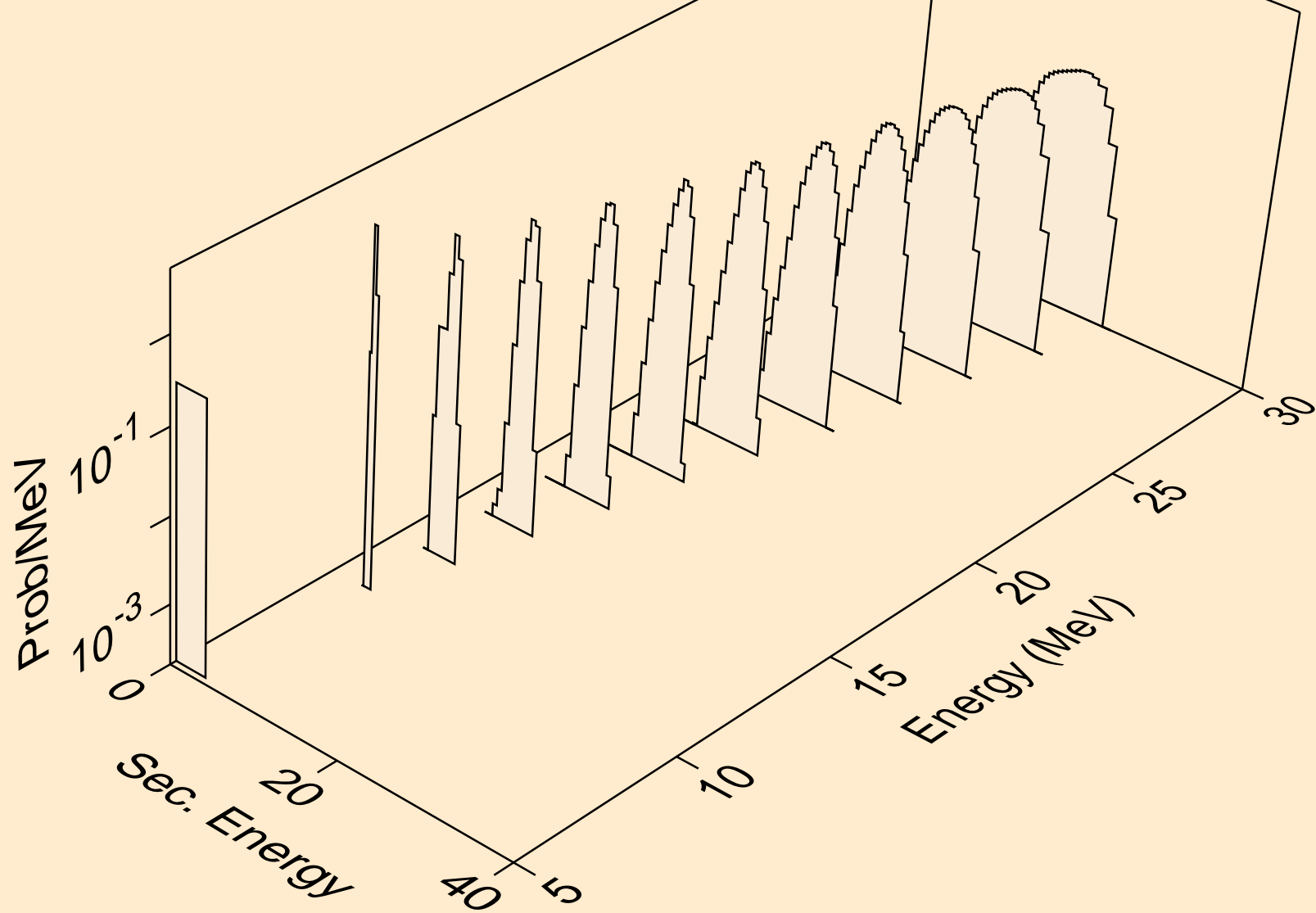
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (d,n\*)a



XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
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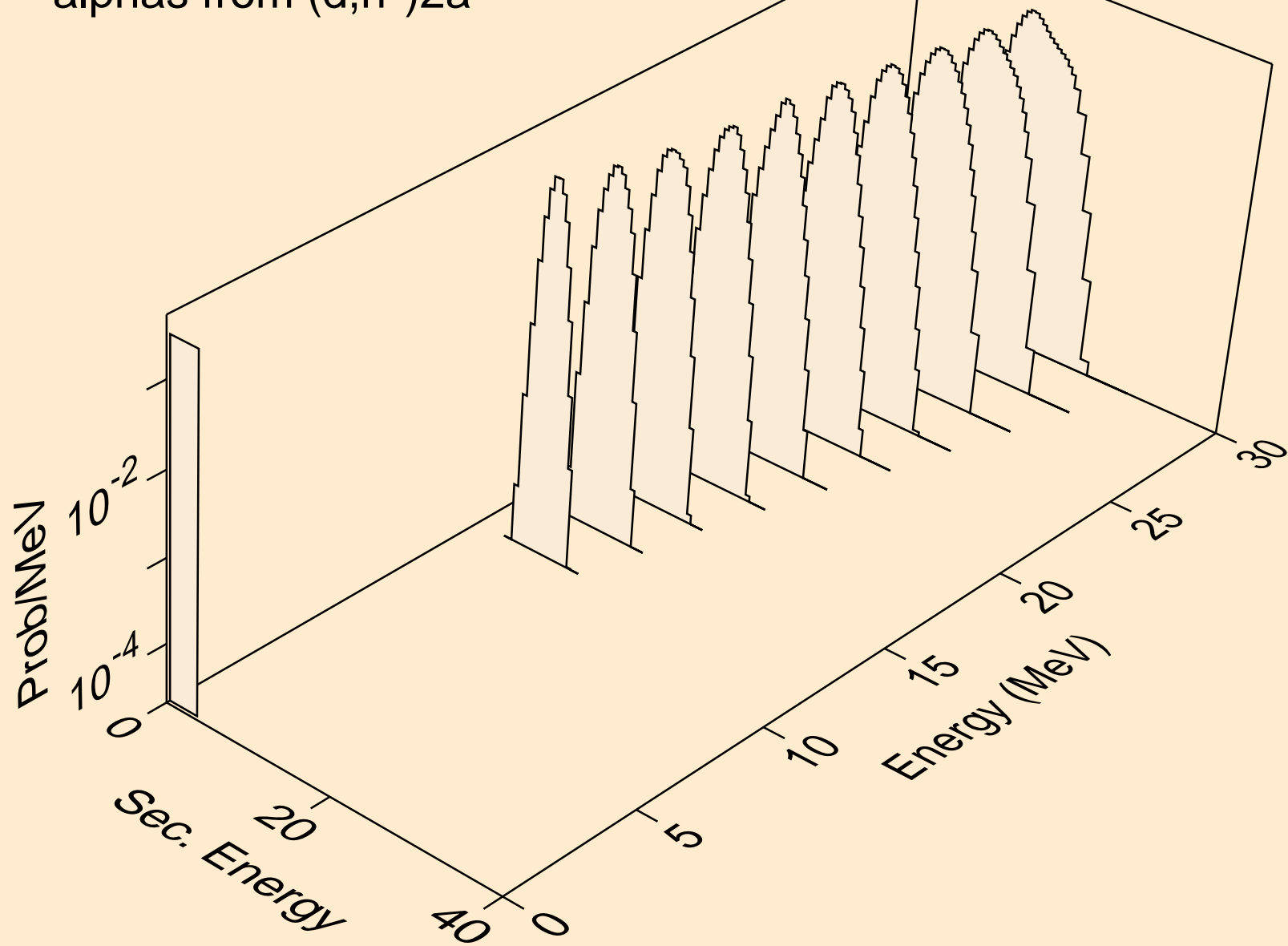


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alphas from (d,3n)a

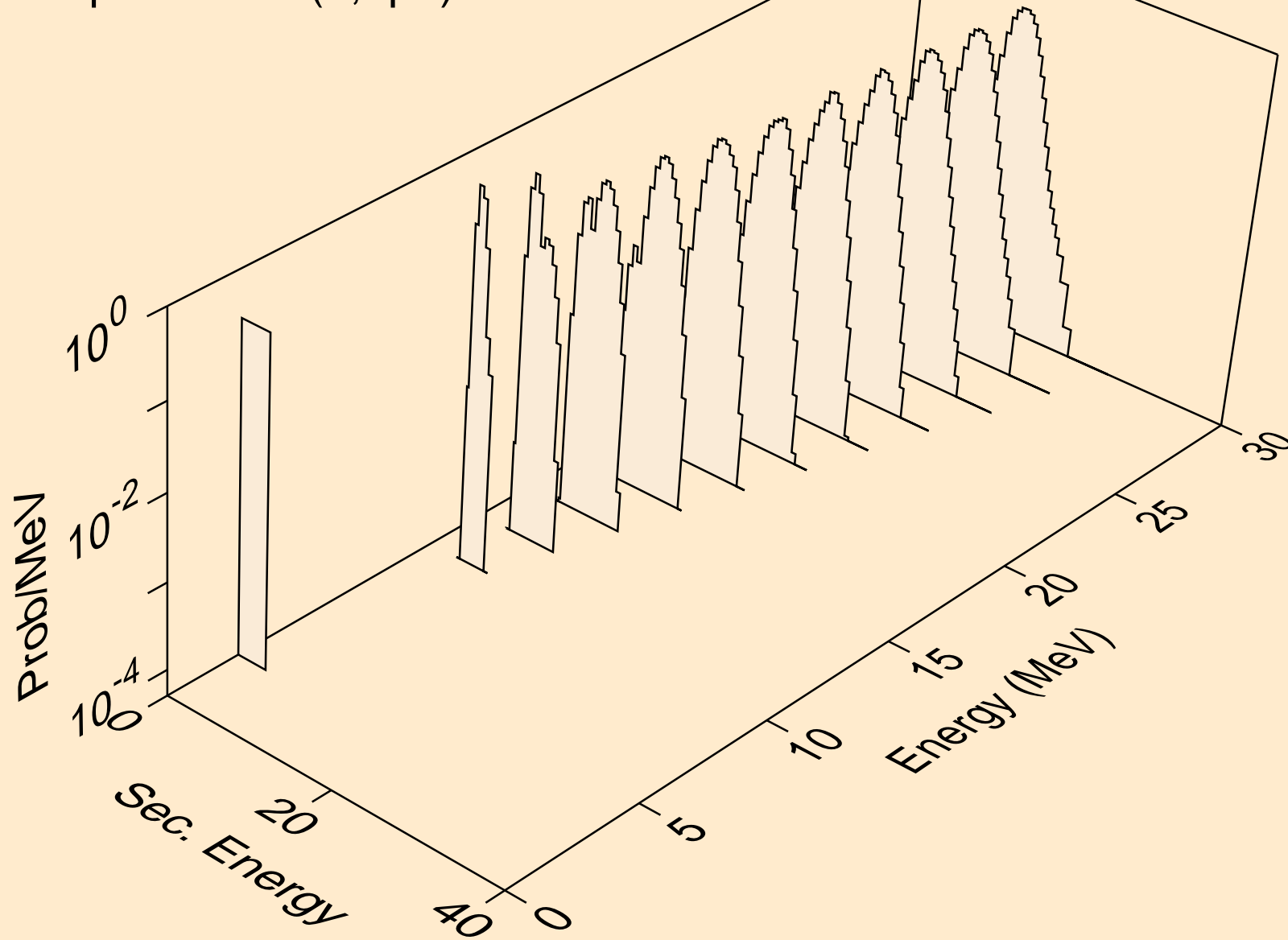




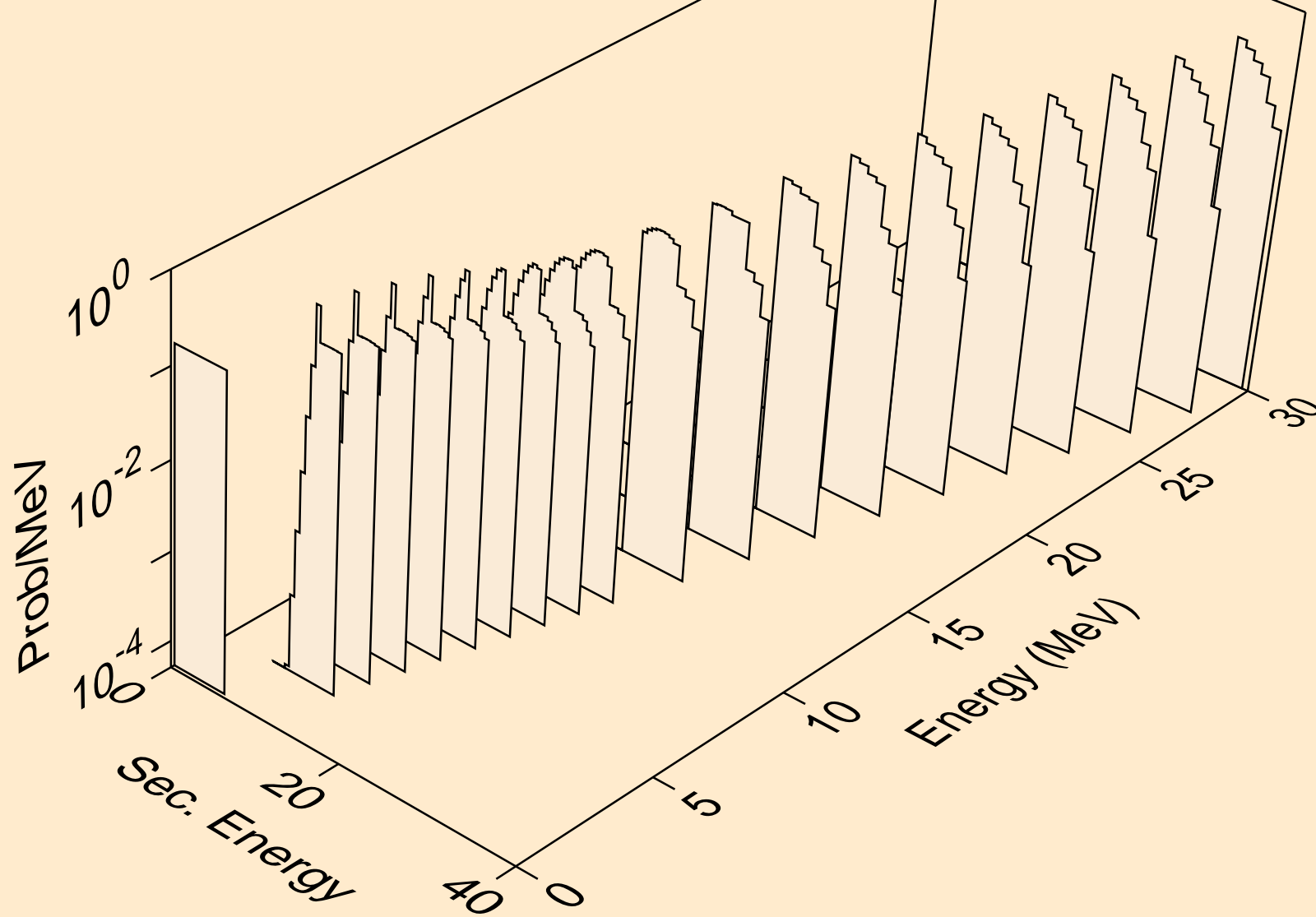
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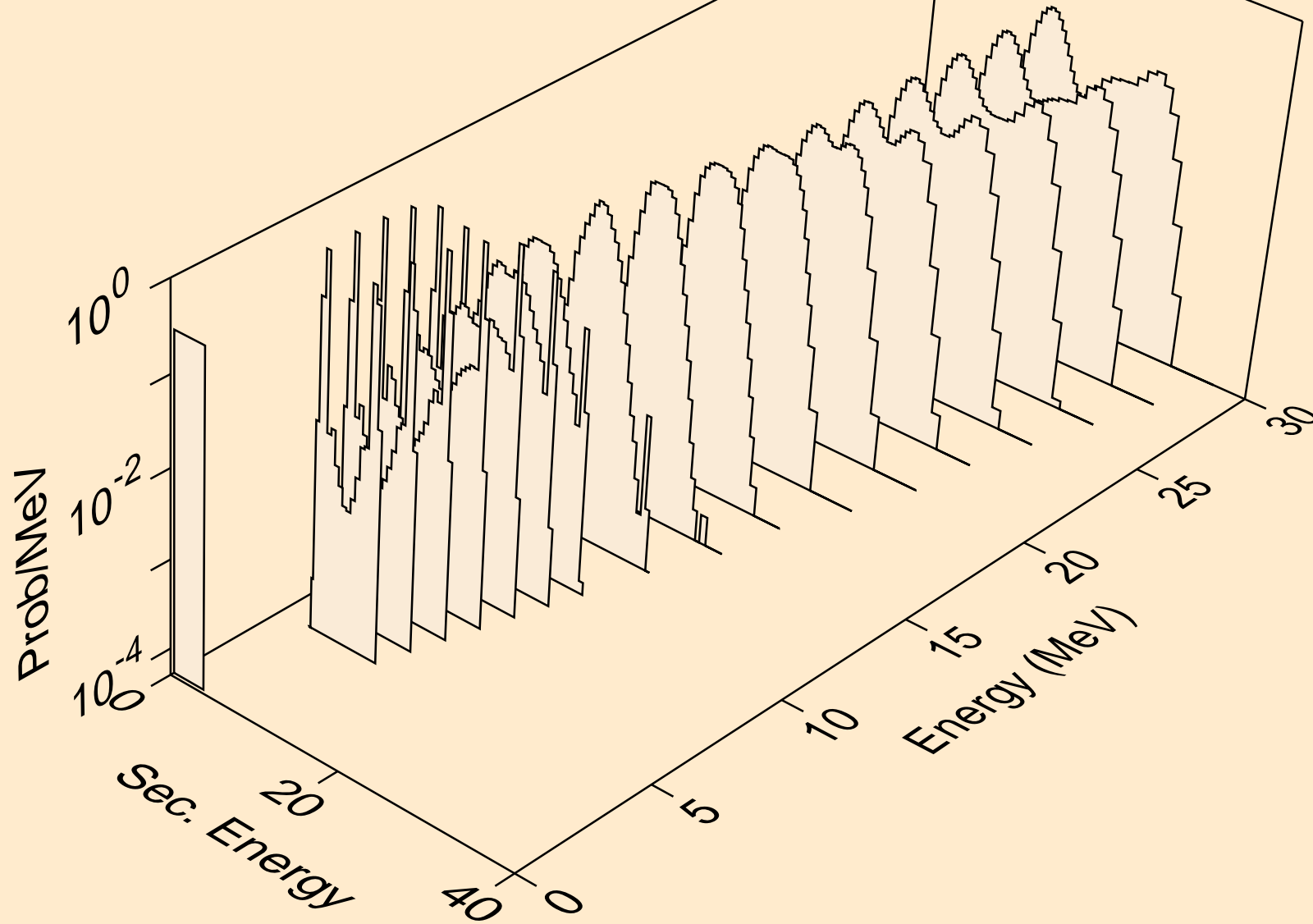
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alphas from (d,npa)



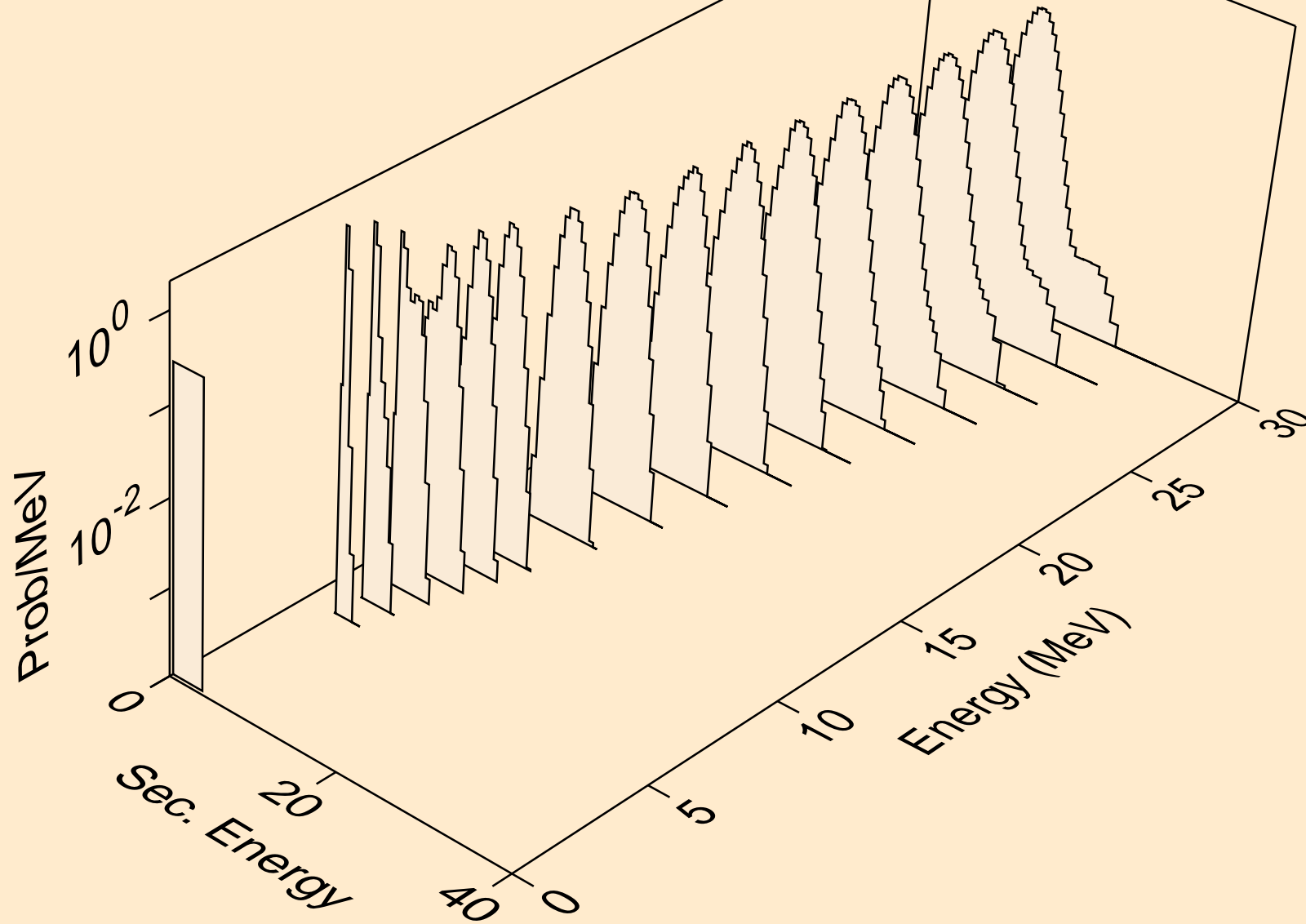
XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (d,a)



XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (d,2a)



XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (d,pa)



XE139 DEUTERON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (d,da)

