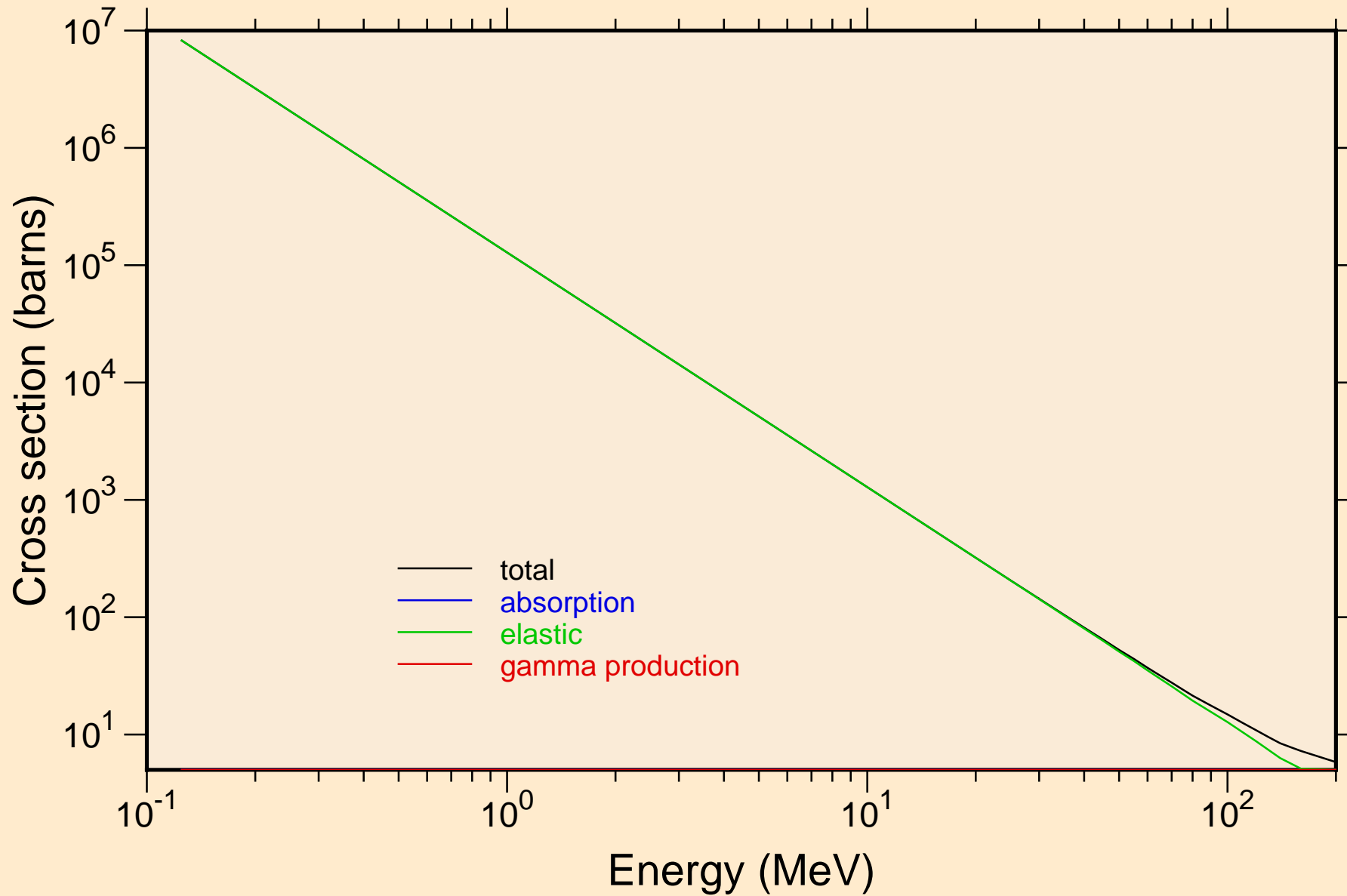


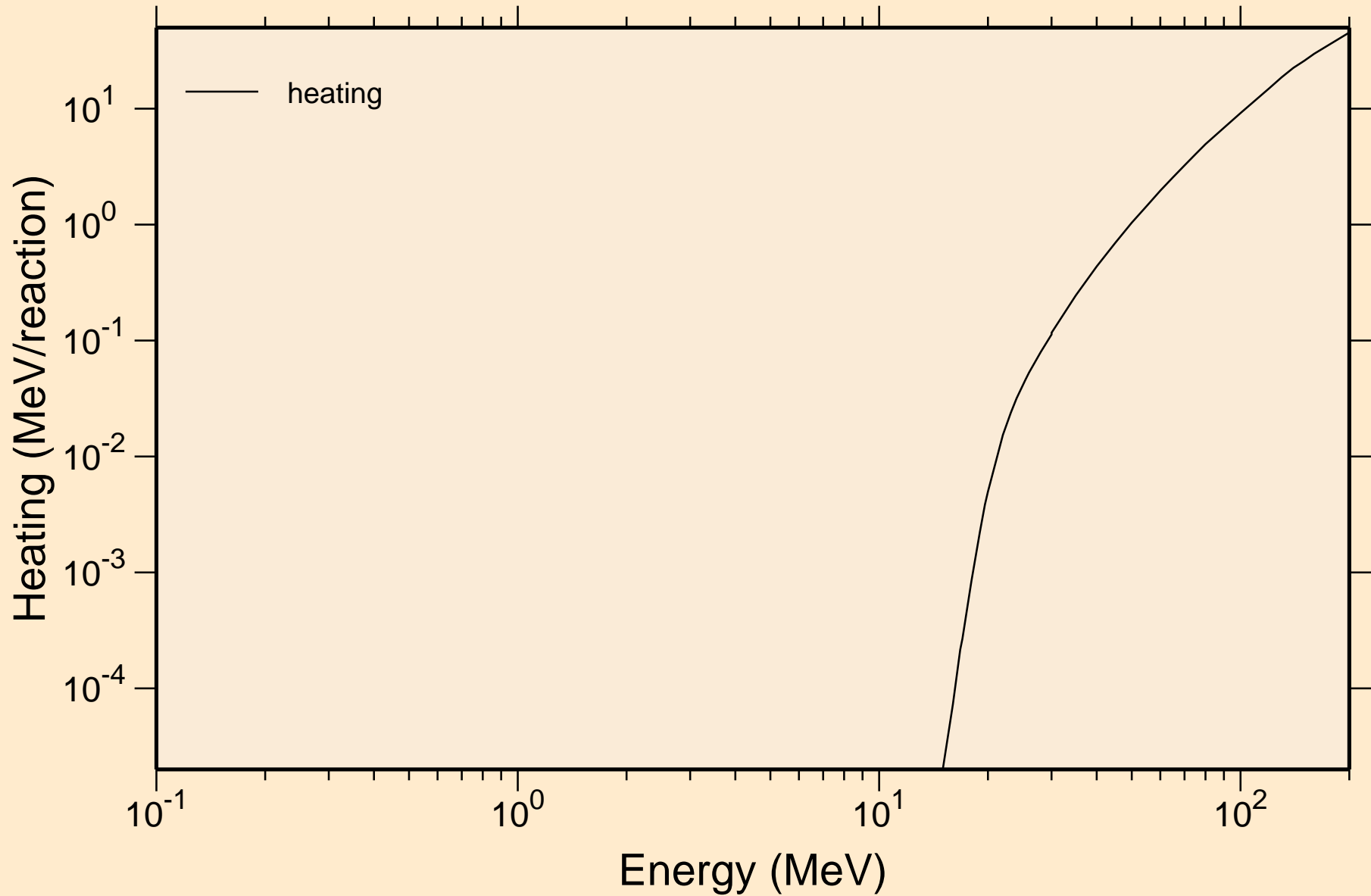
# LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



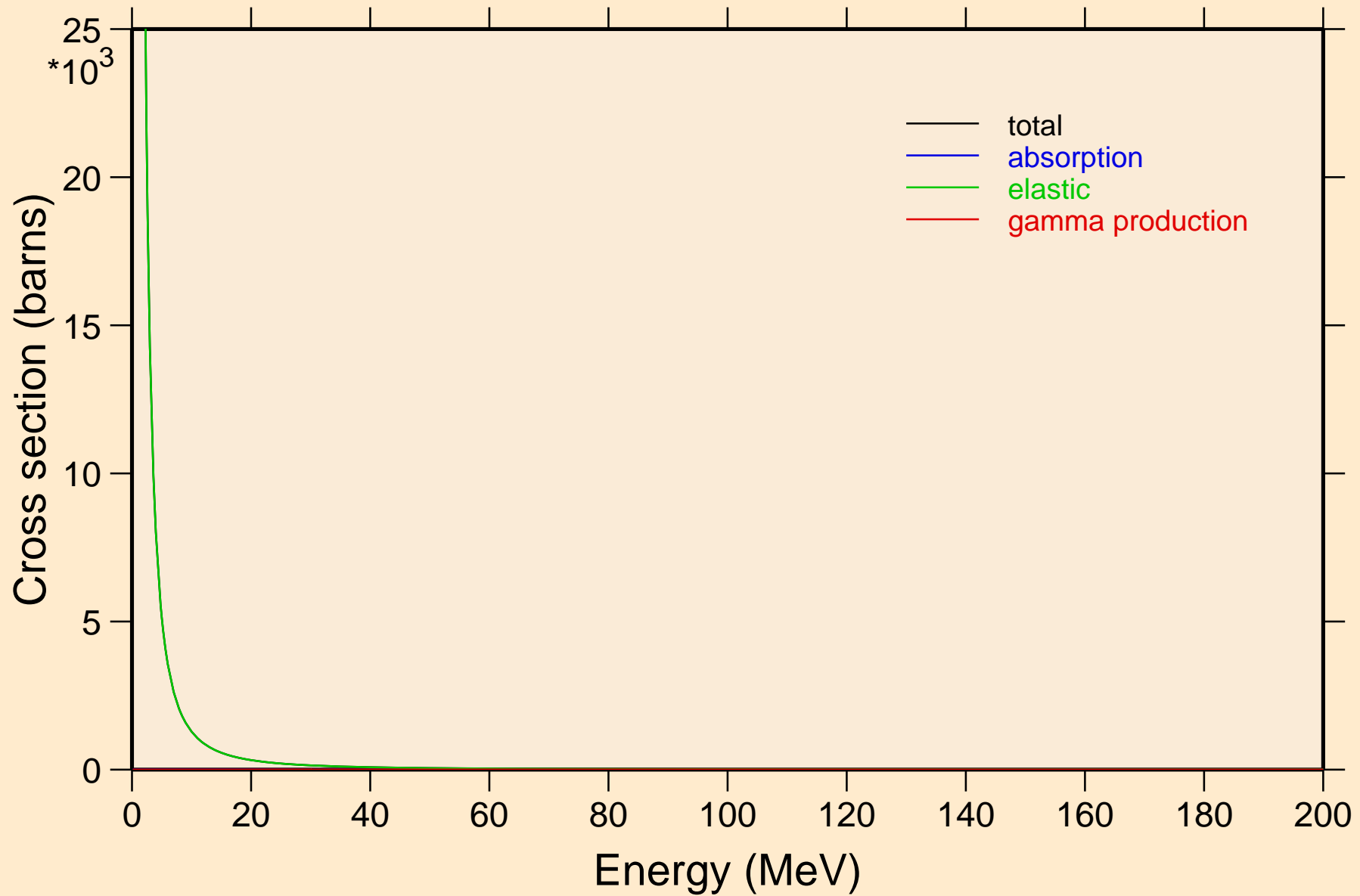
LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K

Heating



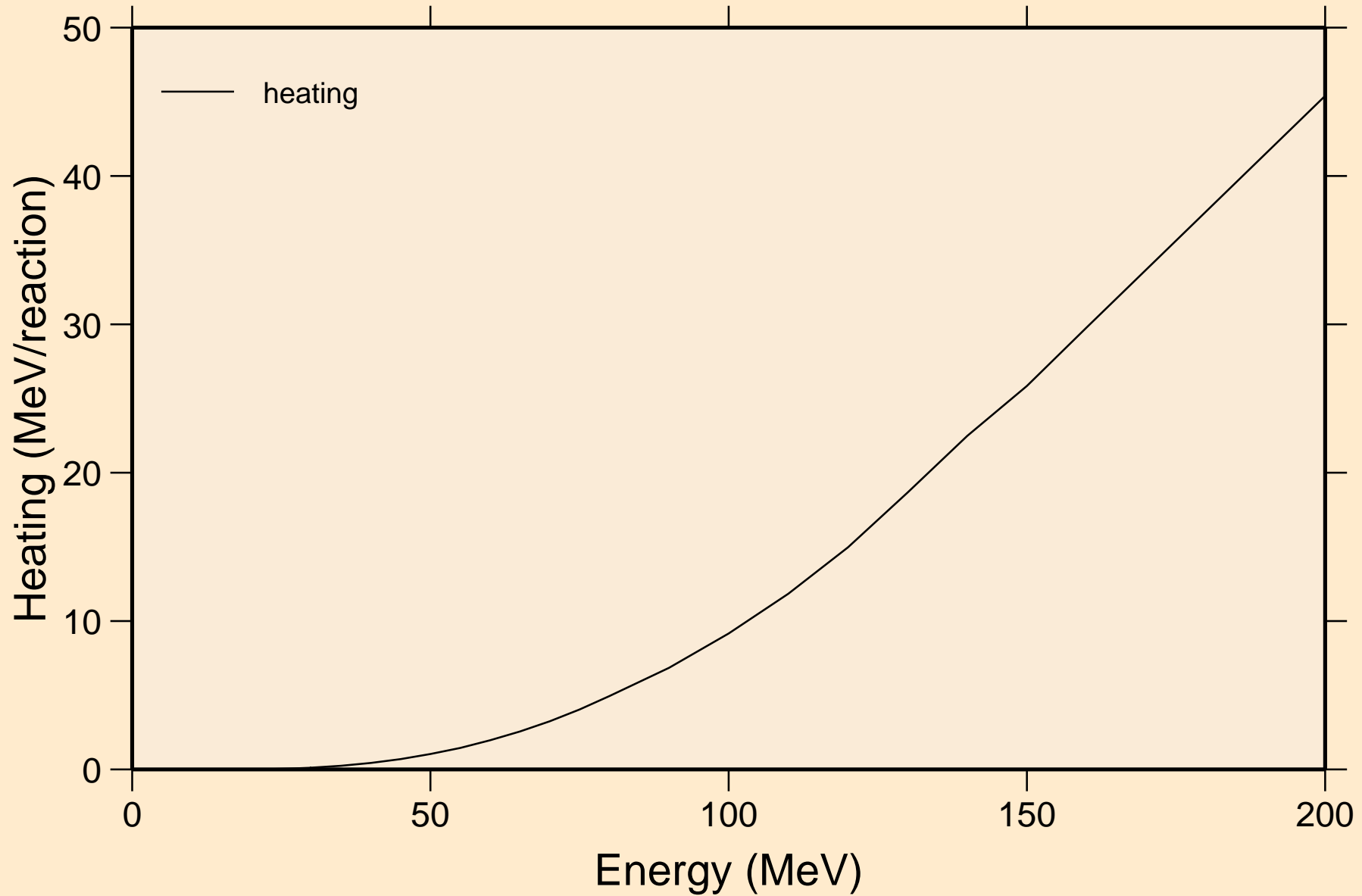
# LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

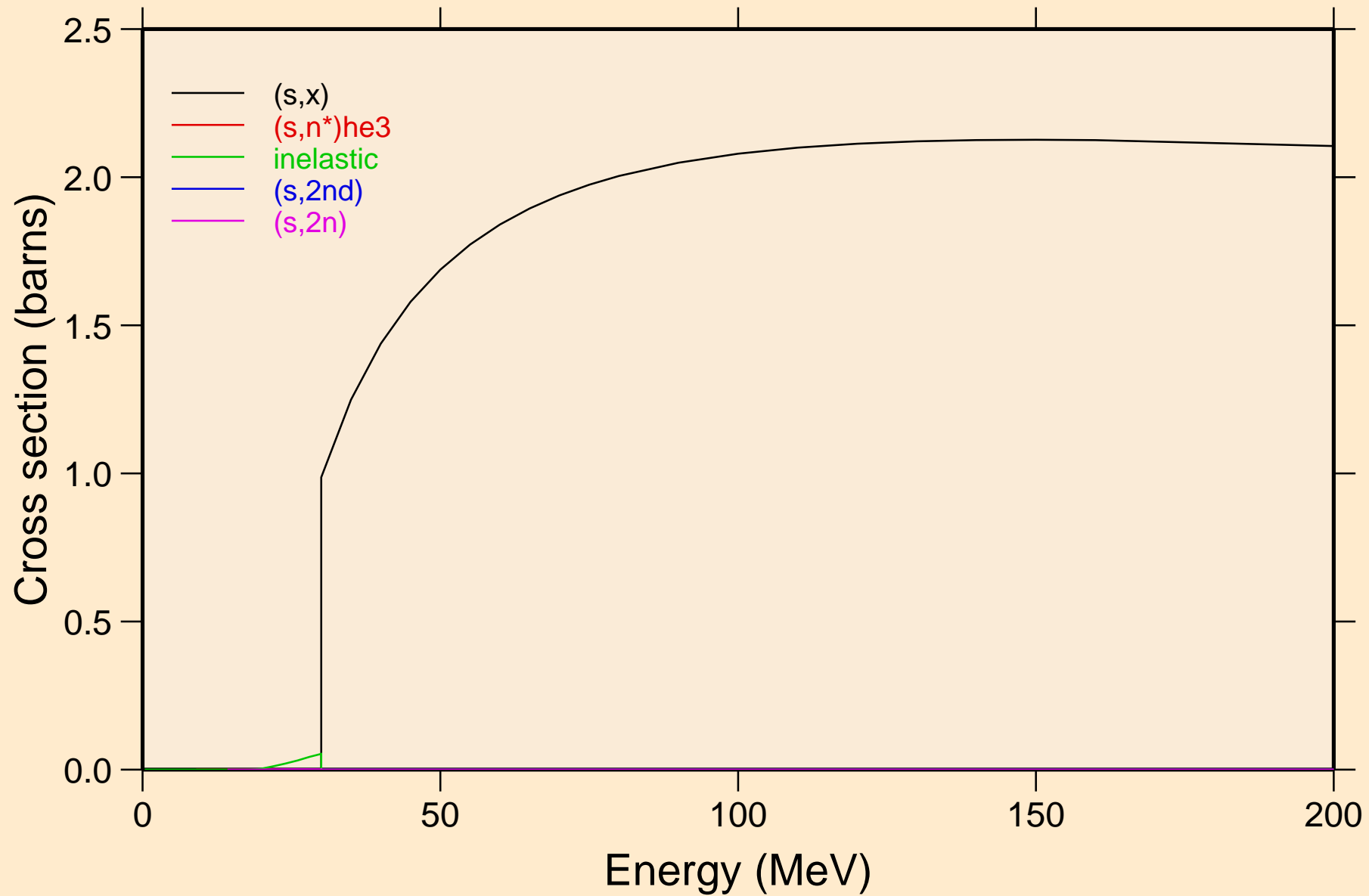


LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K

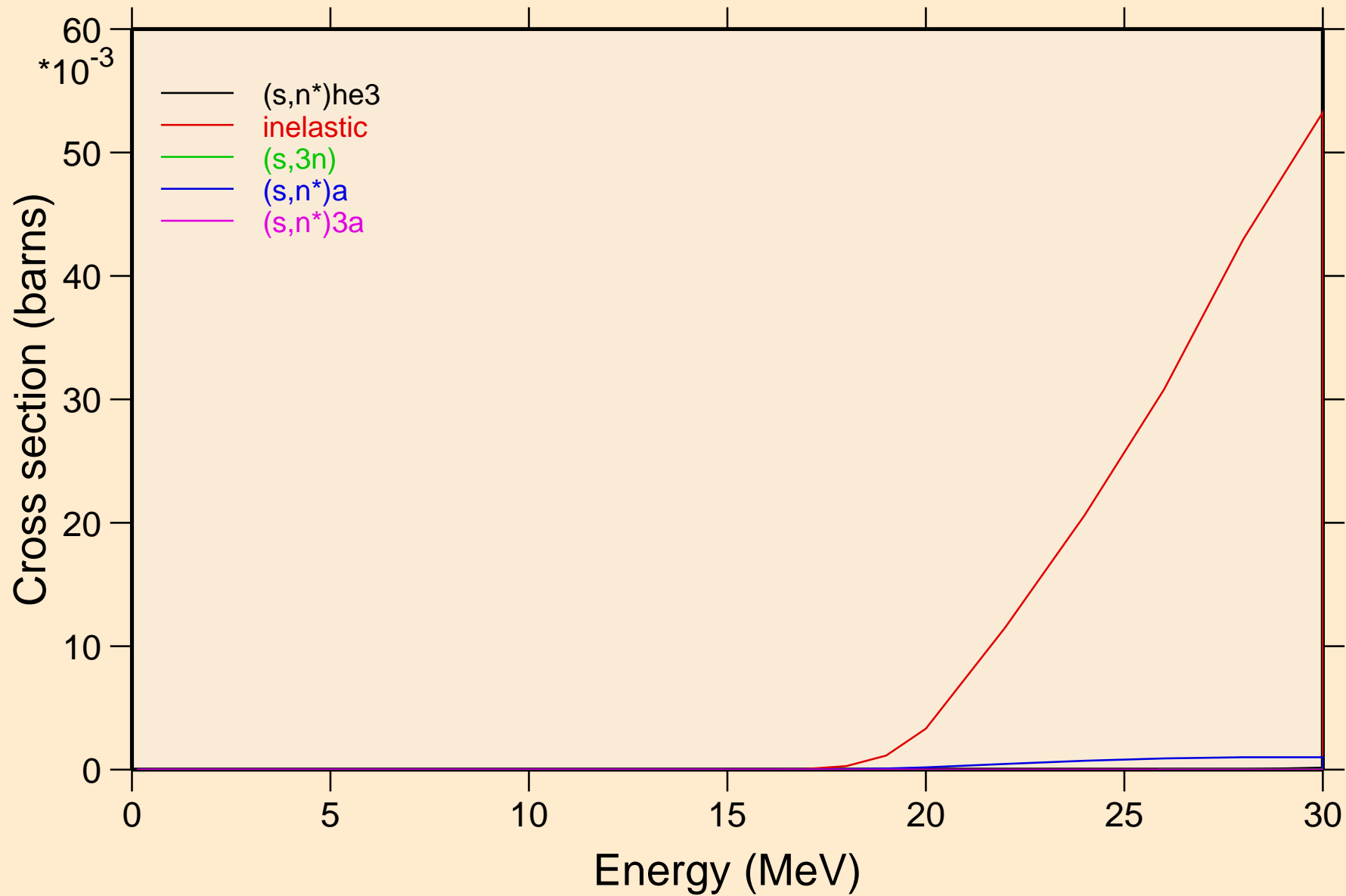
Heating



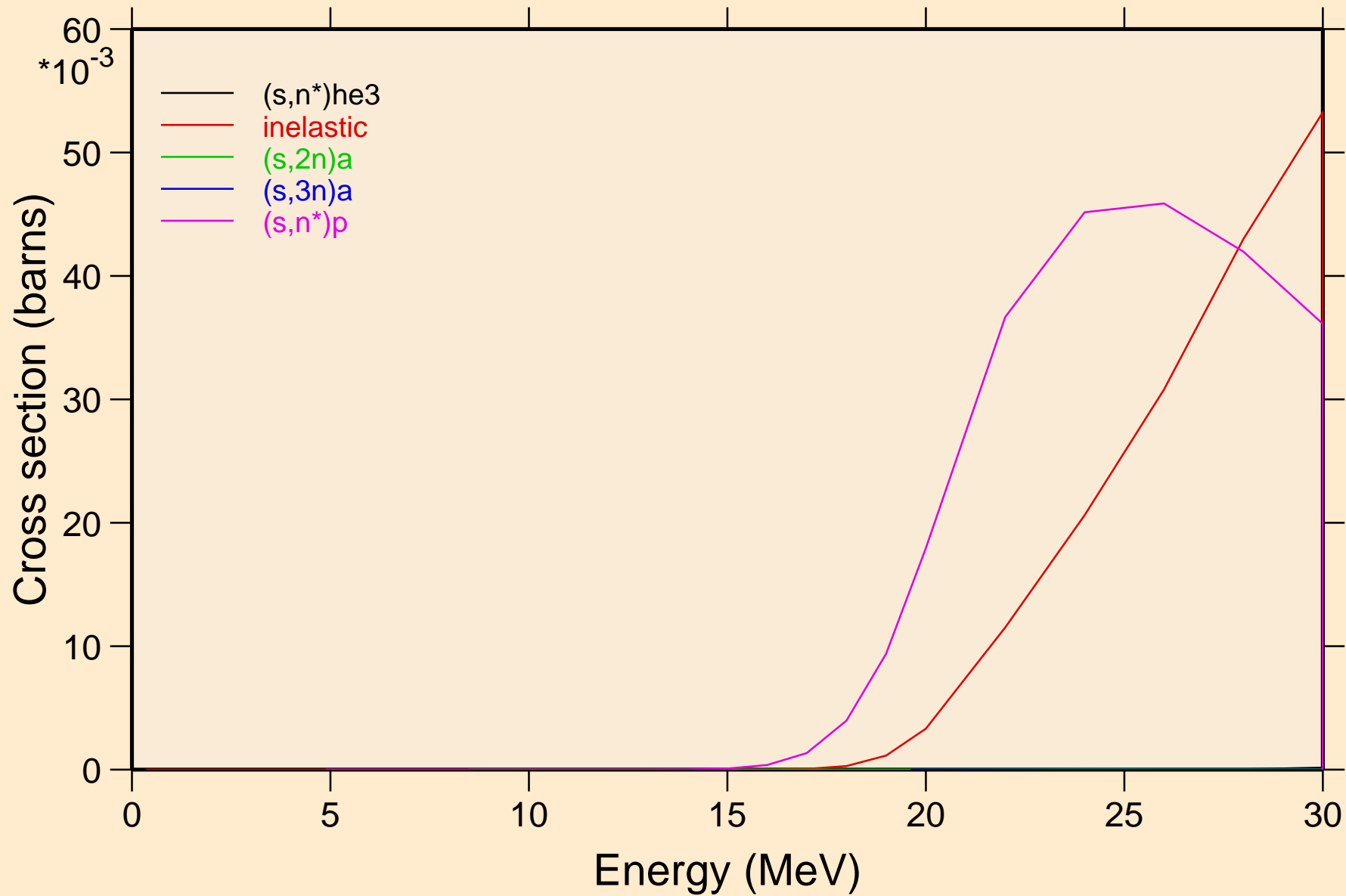
LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



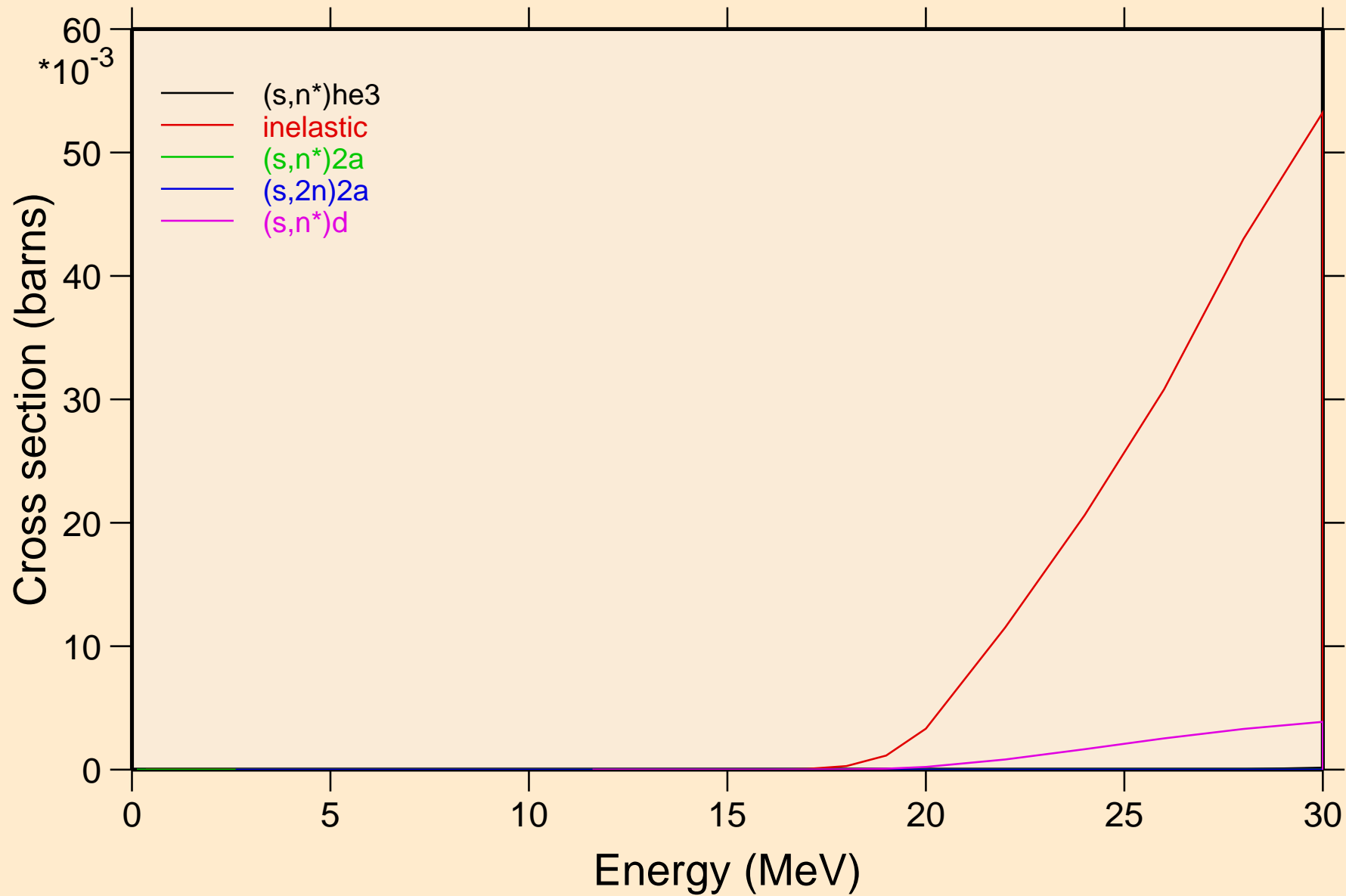
LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

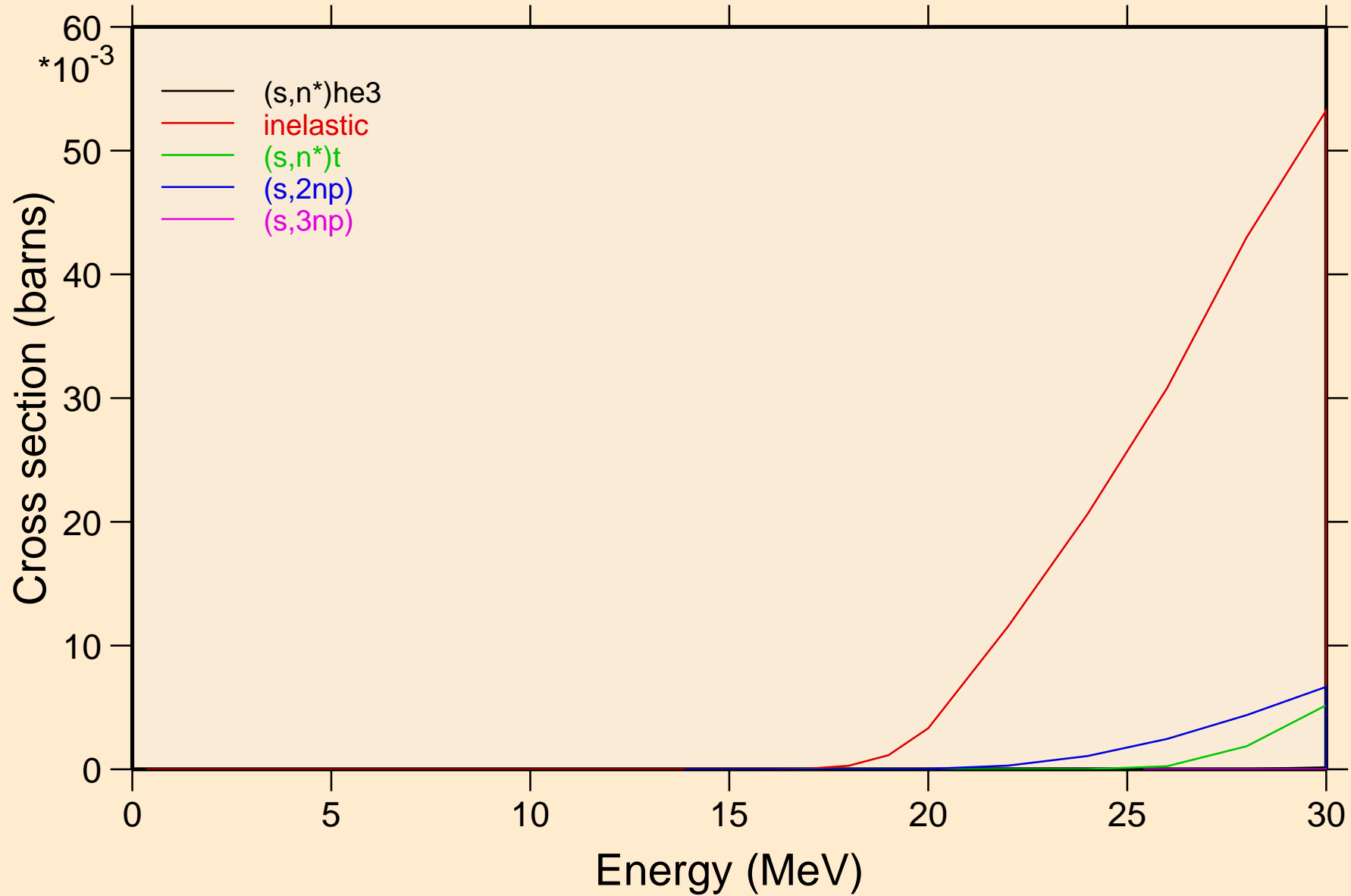


LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

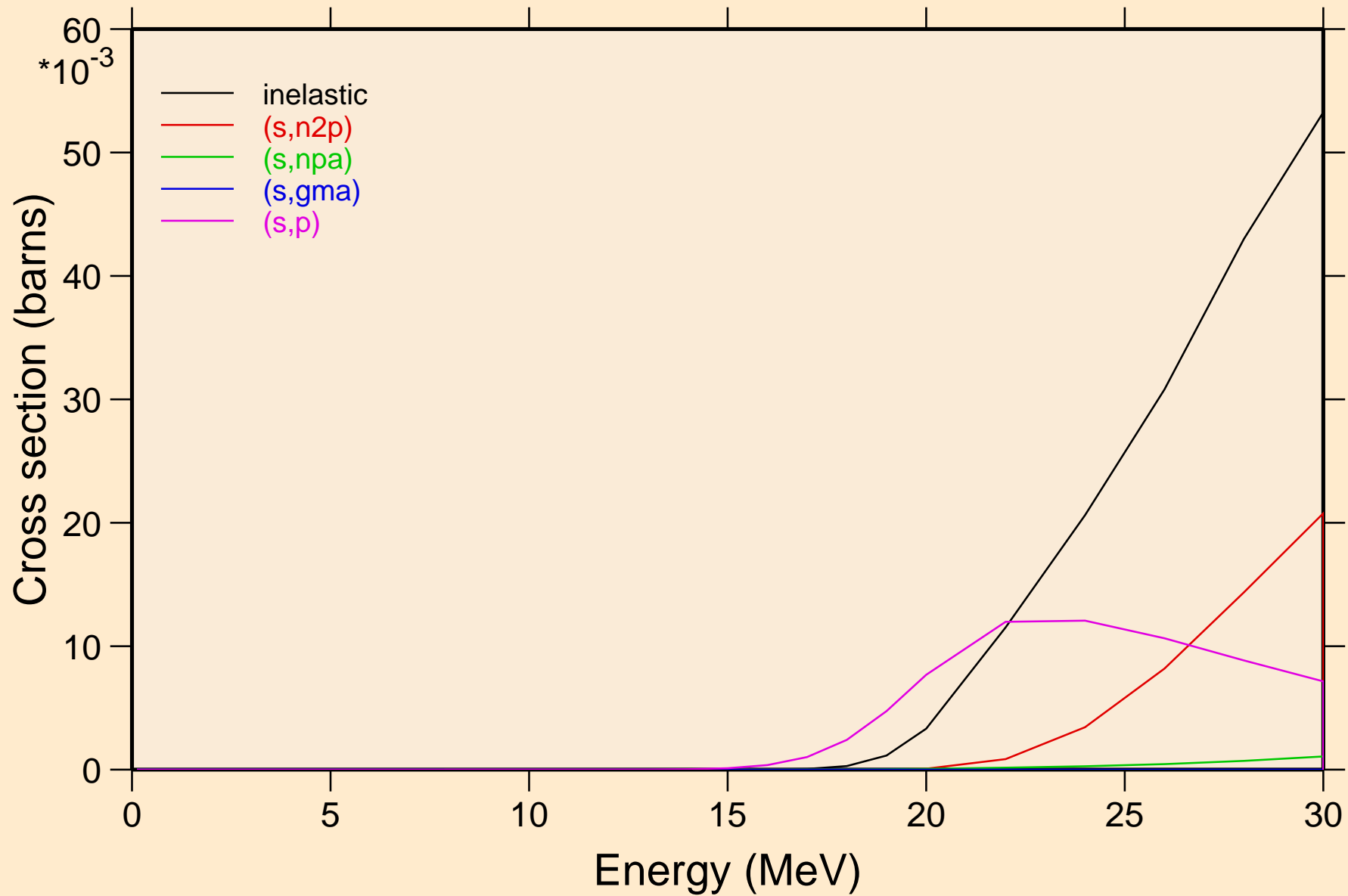




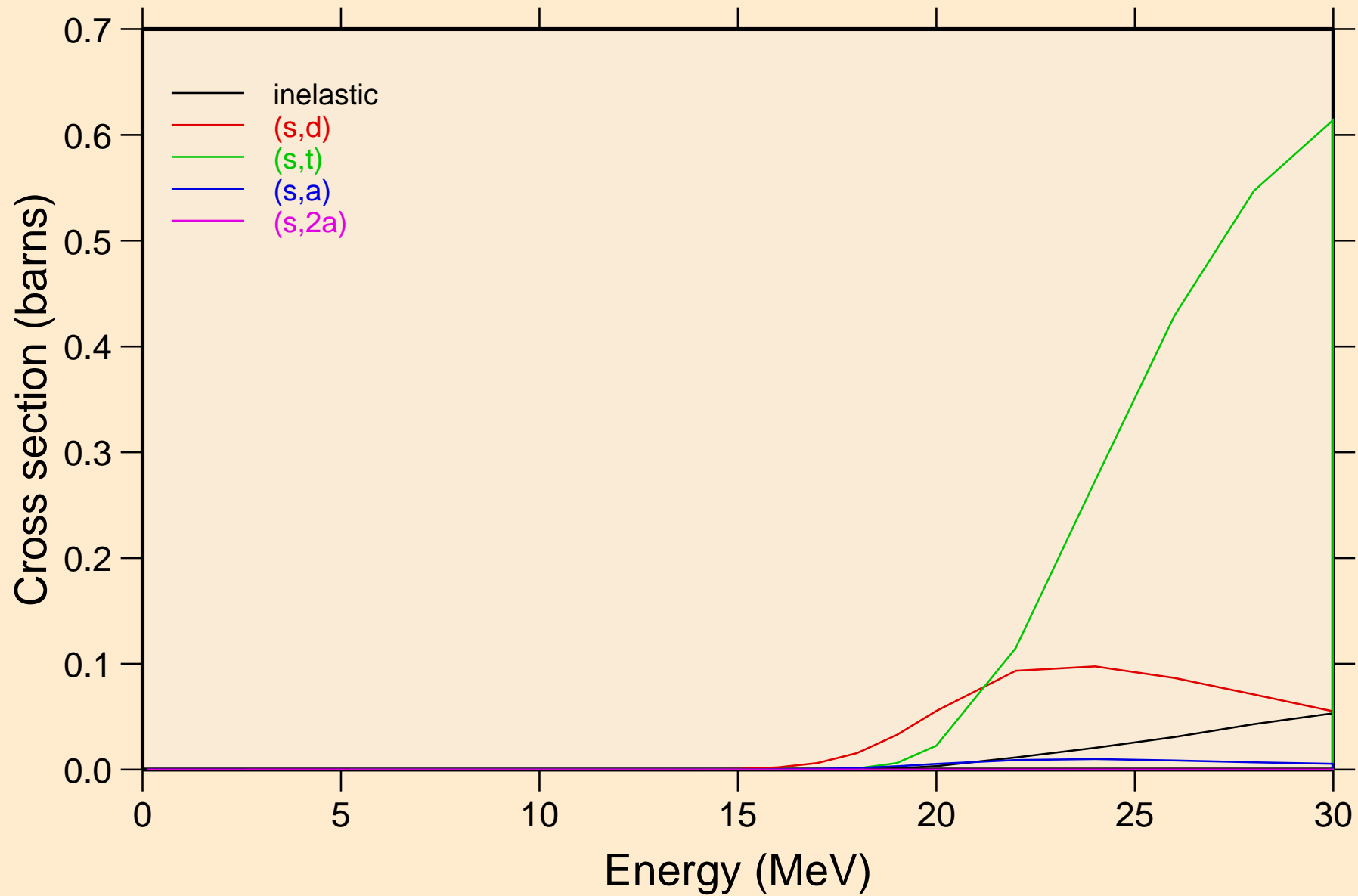
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Threshold reactions



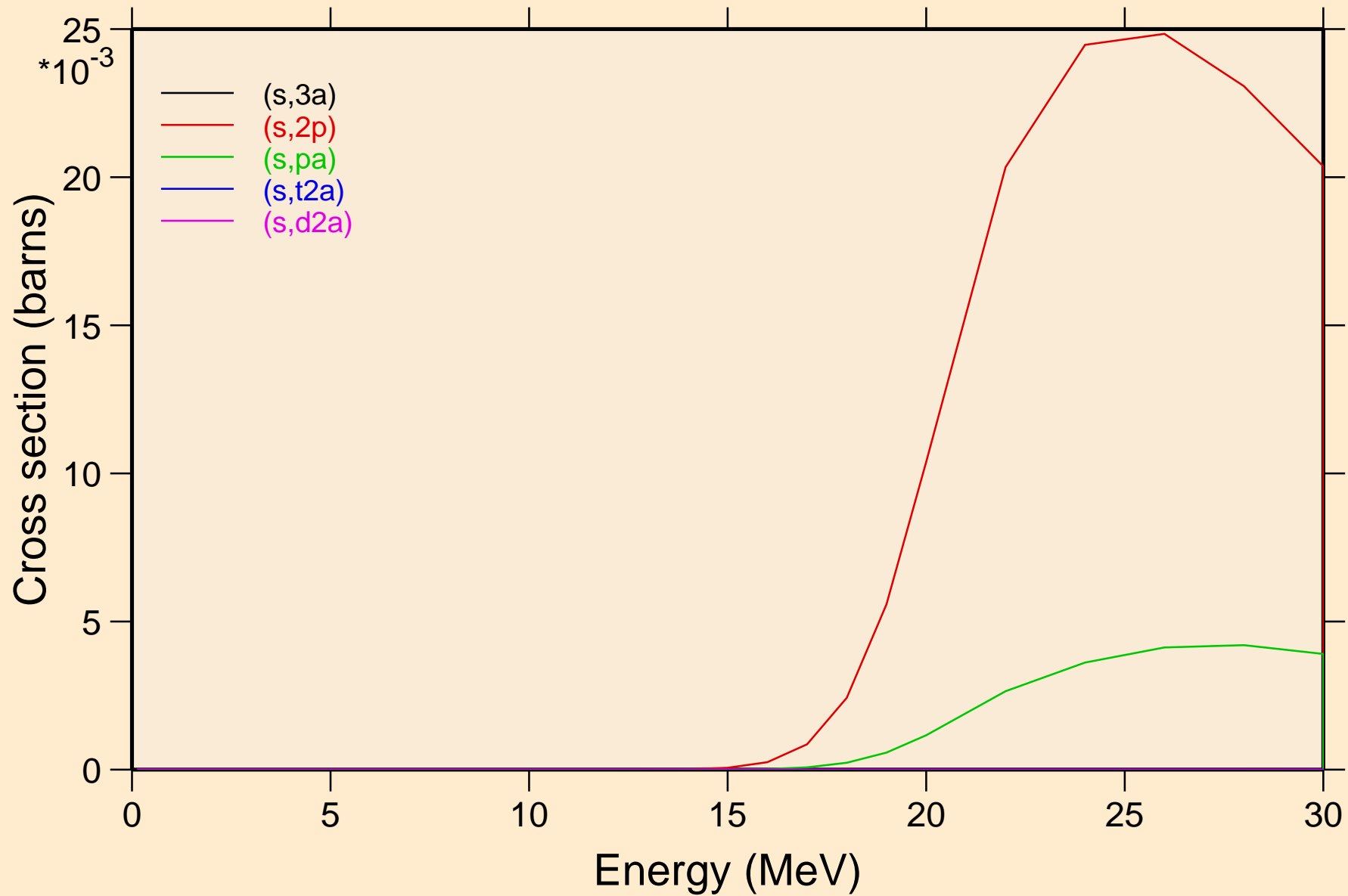
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Threshold reactions



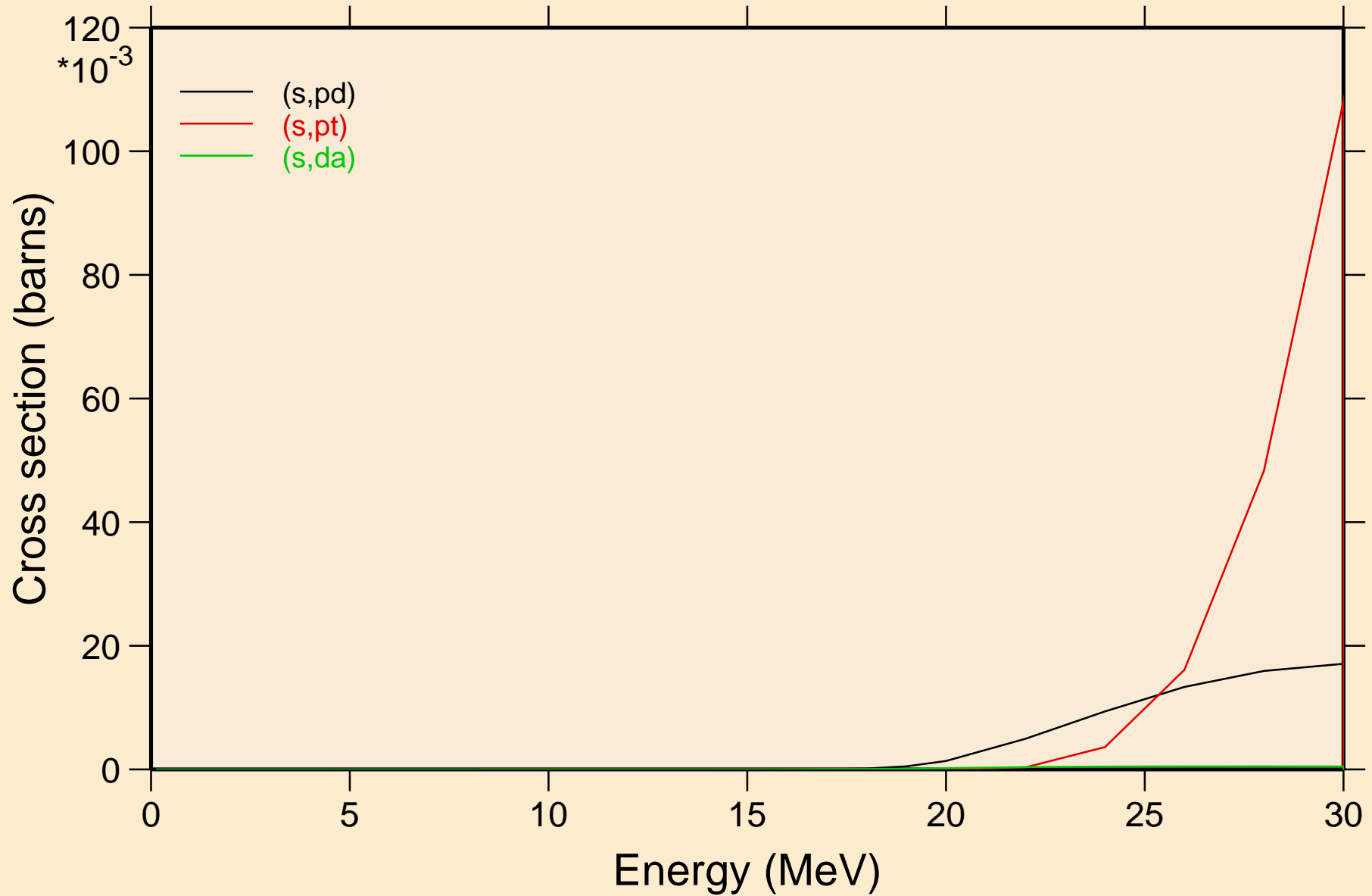
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Threshold reactions



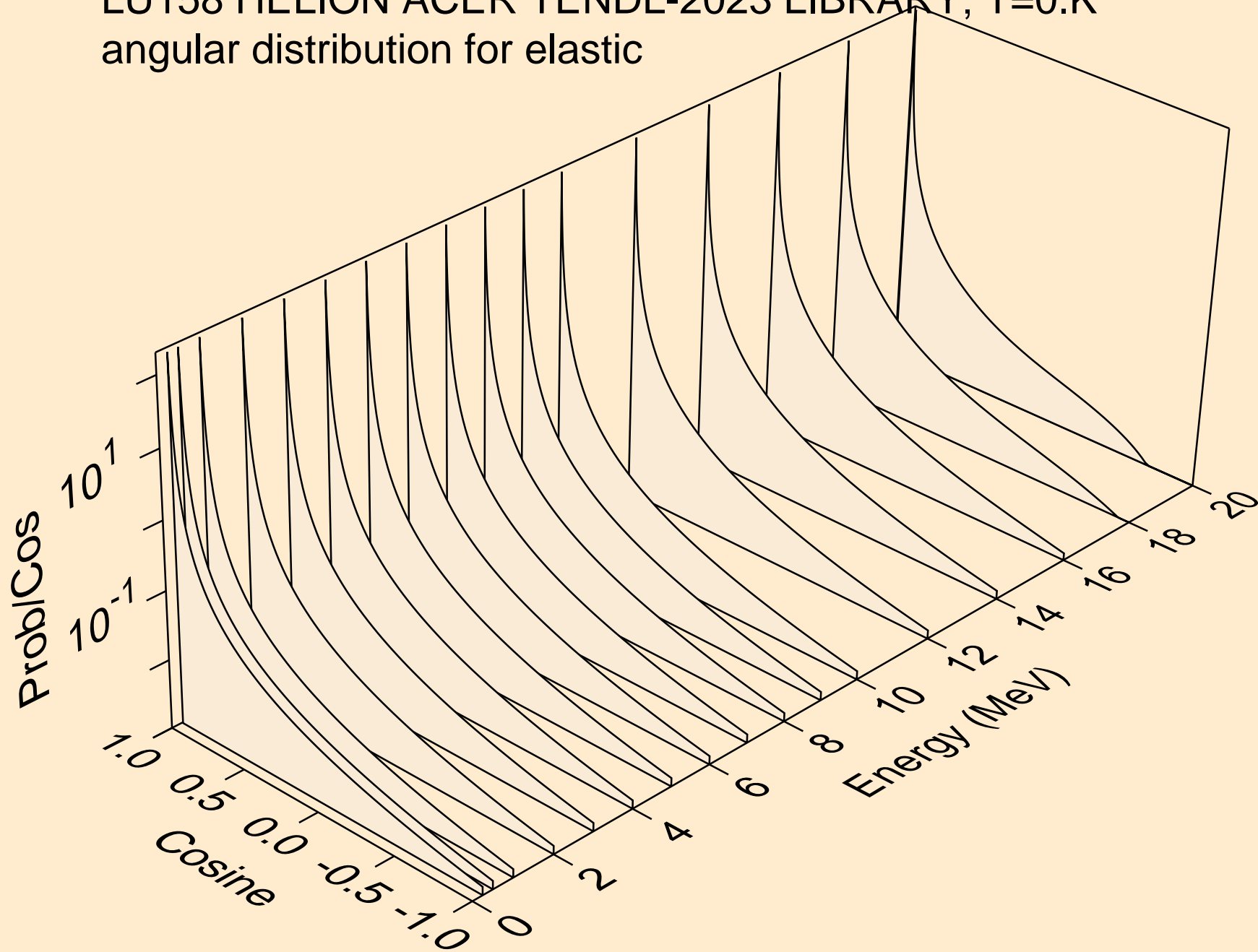
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Threshold reactions



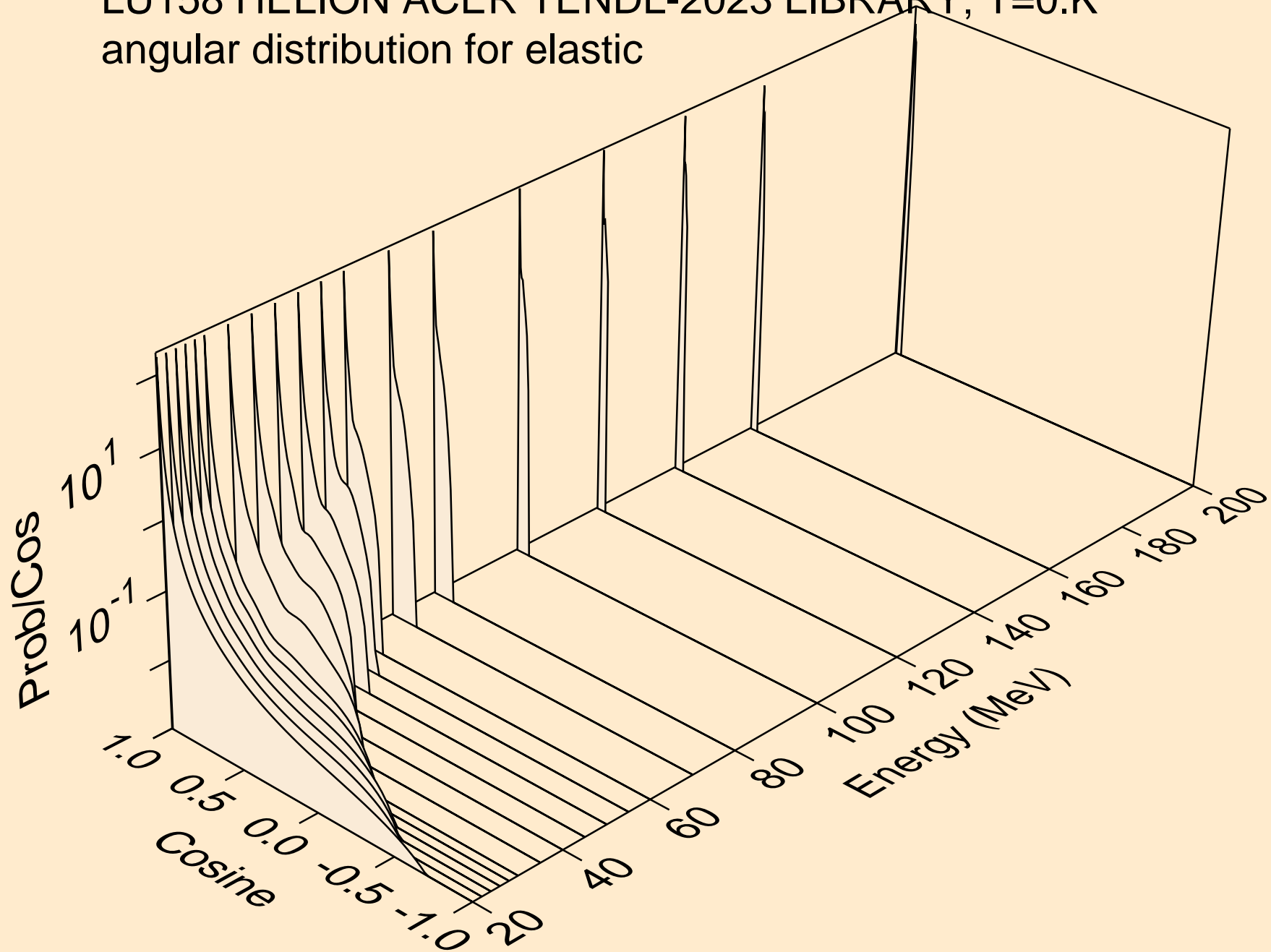
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Threshold reactions



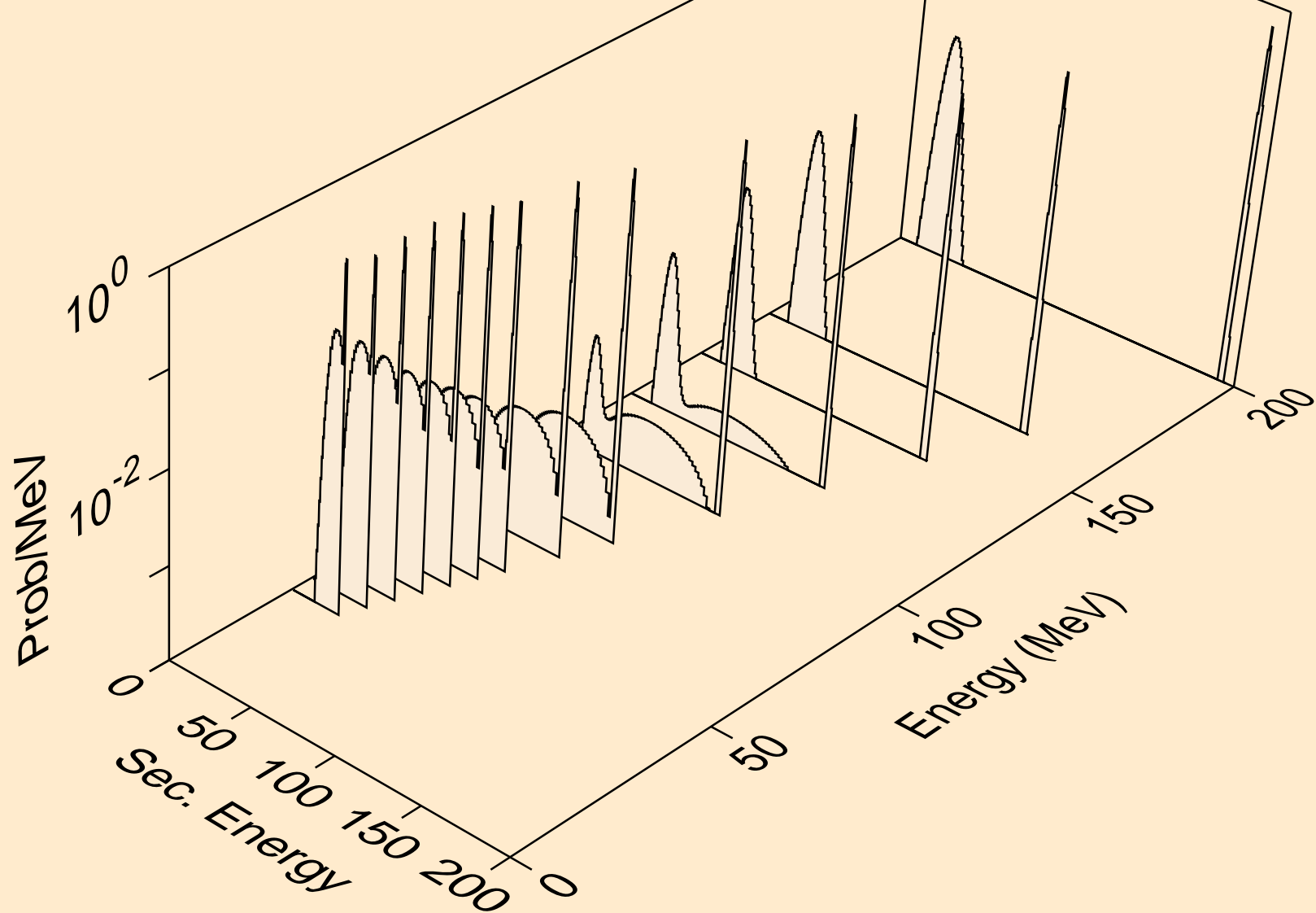
LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

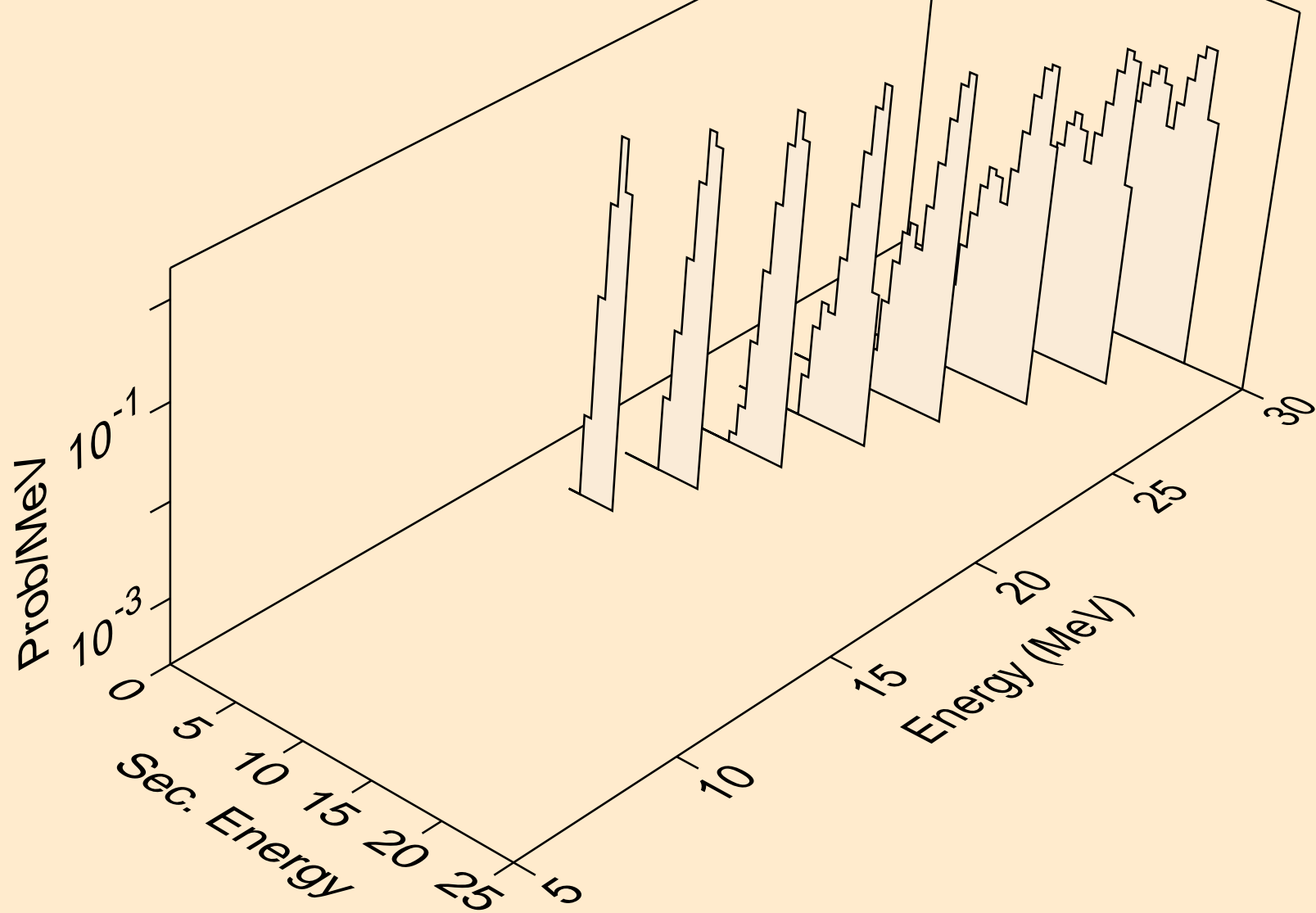


LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,x)

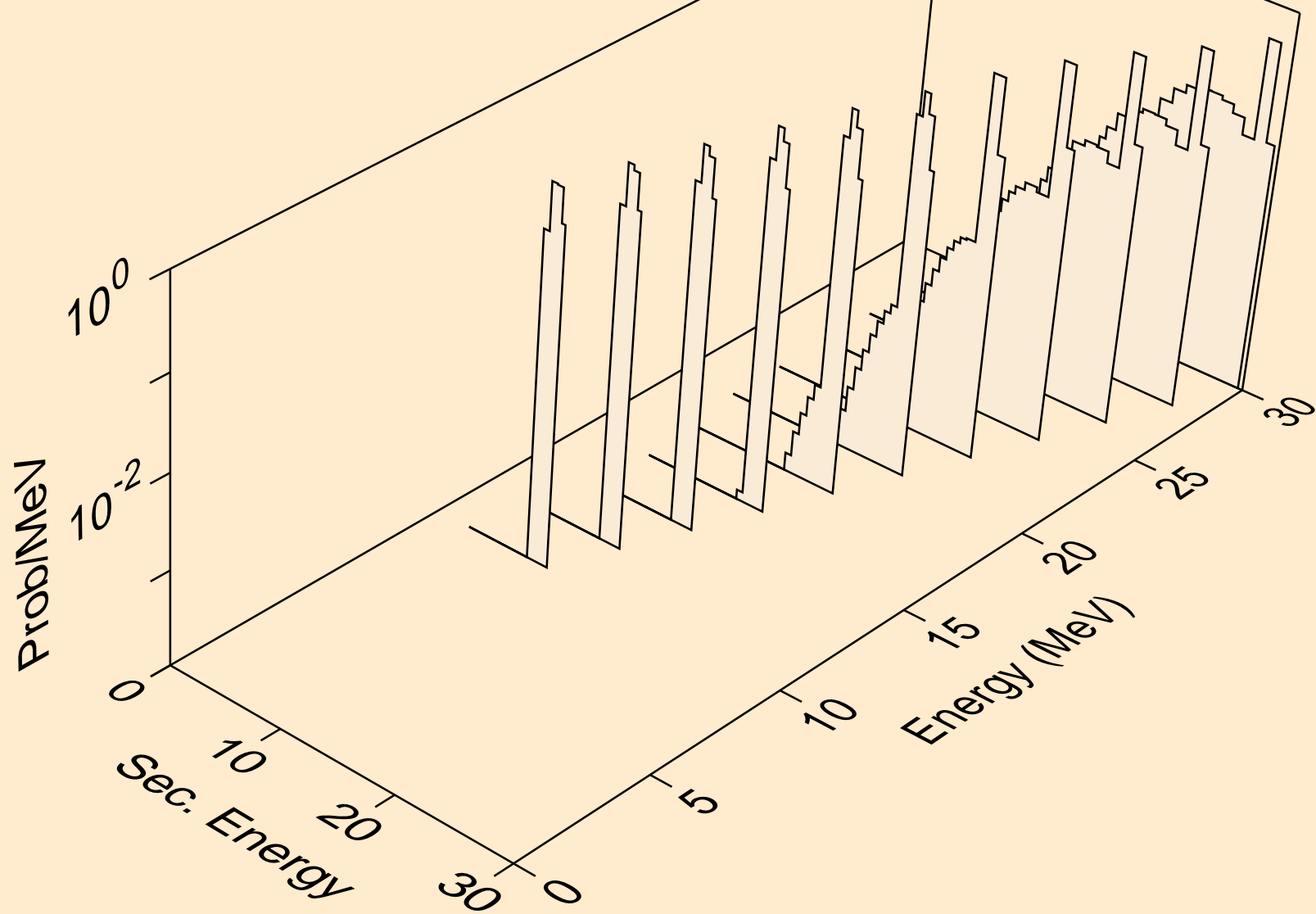




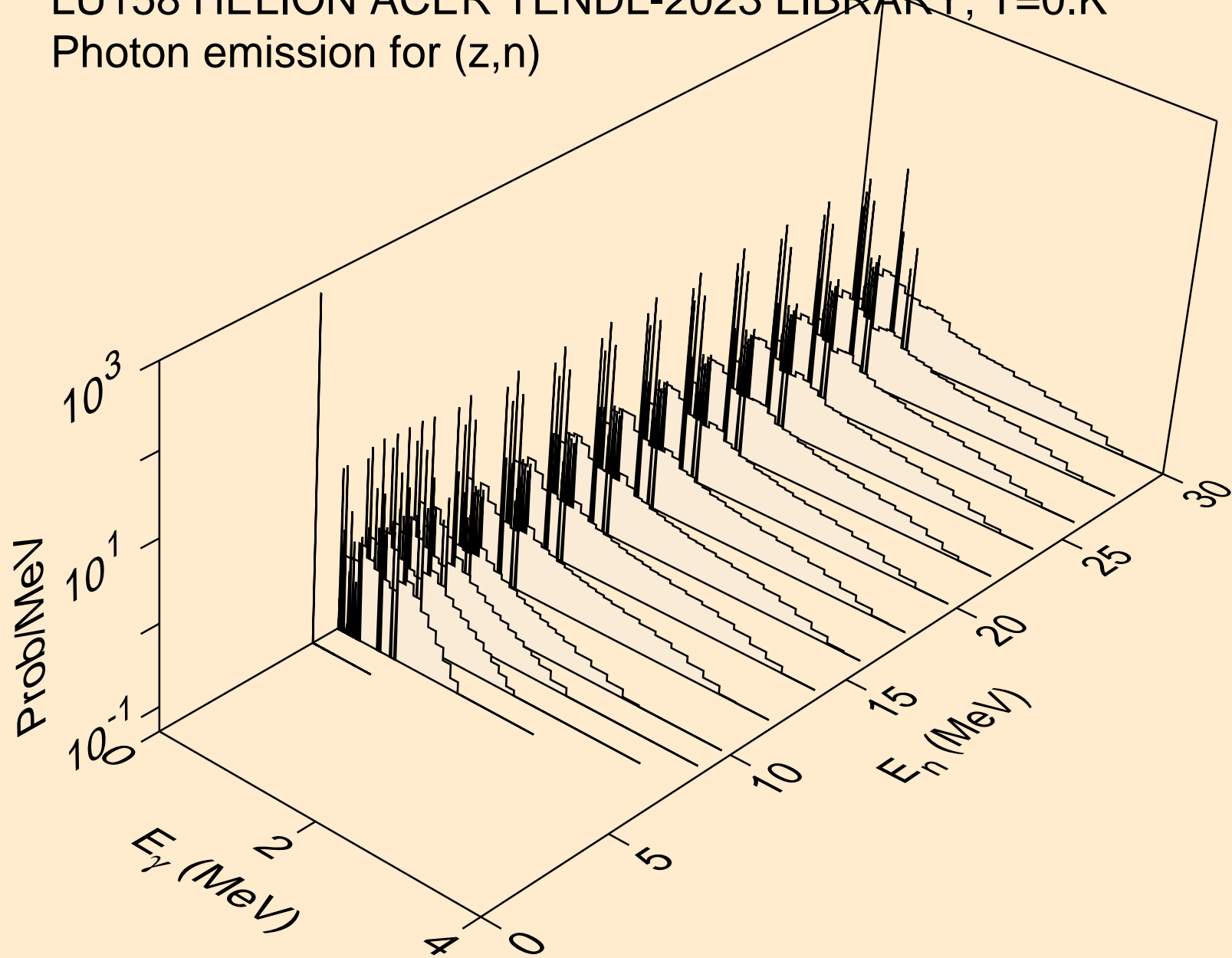
LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for (s,n\*)he3



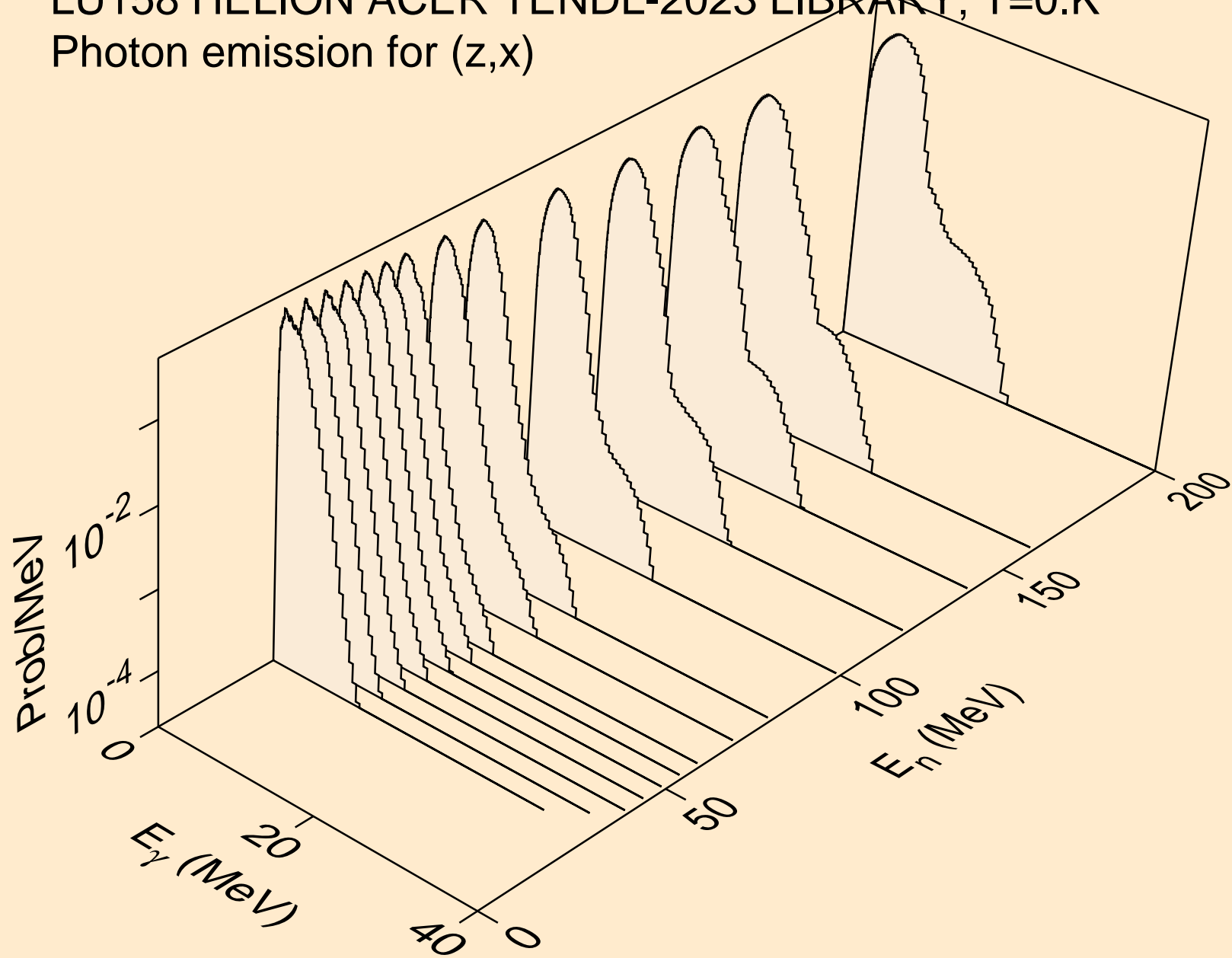
LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
He-3 emission for inelastic



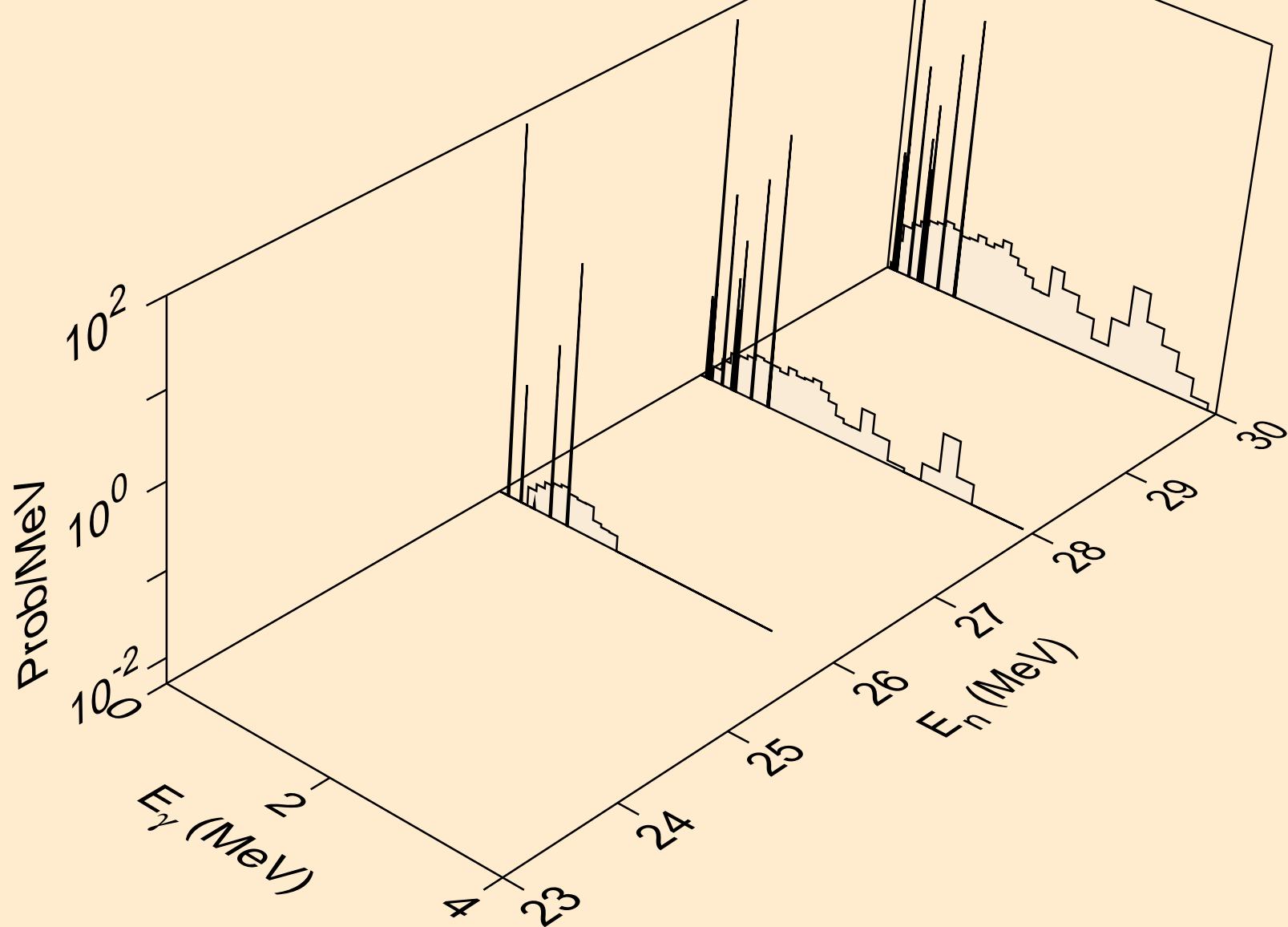
LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



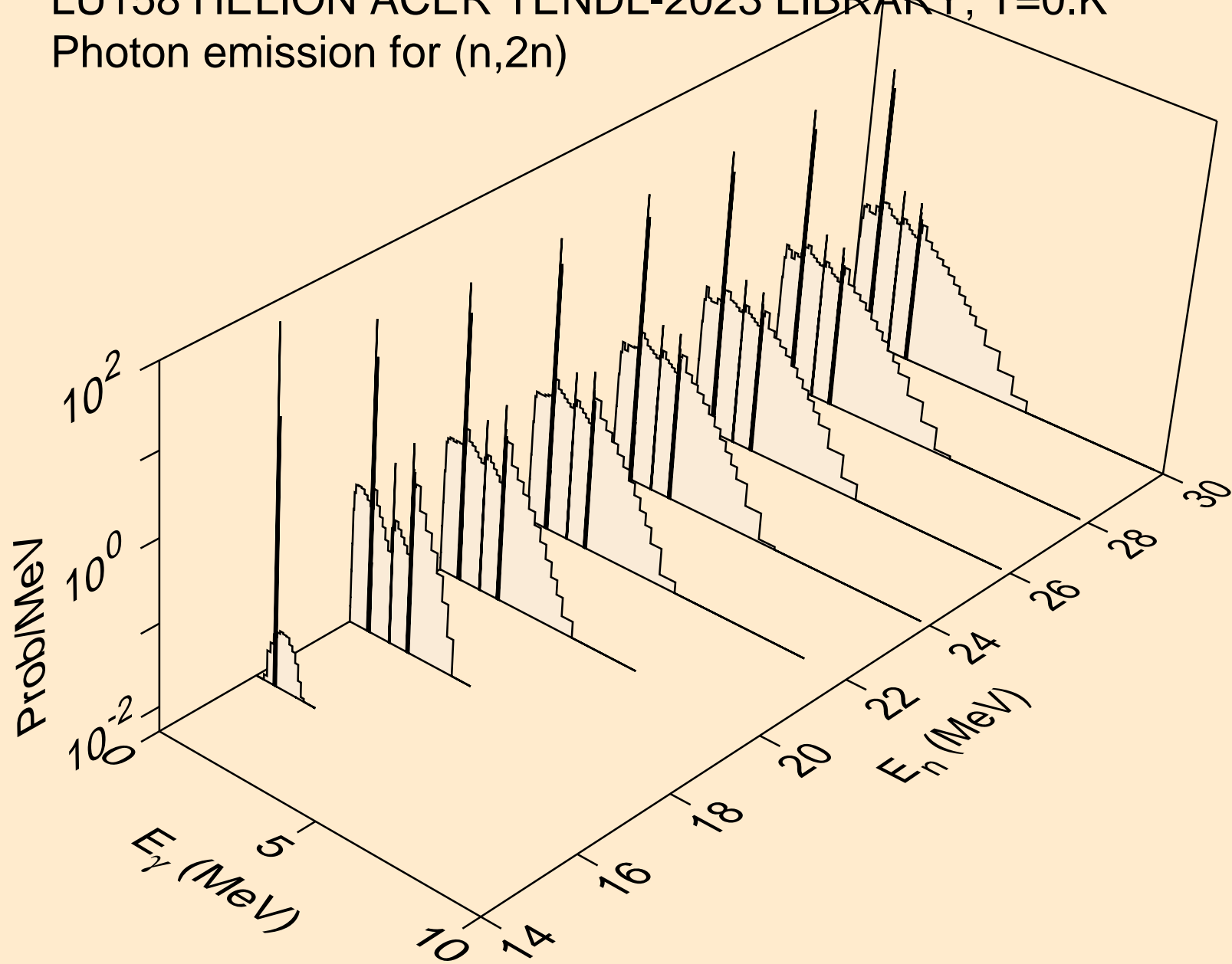
LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



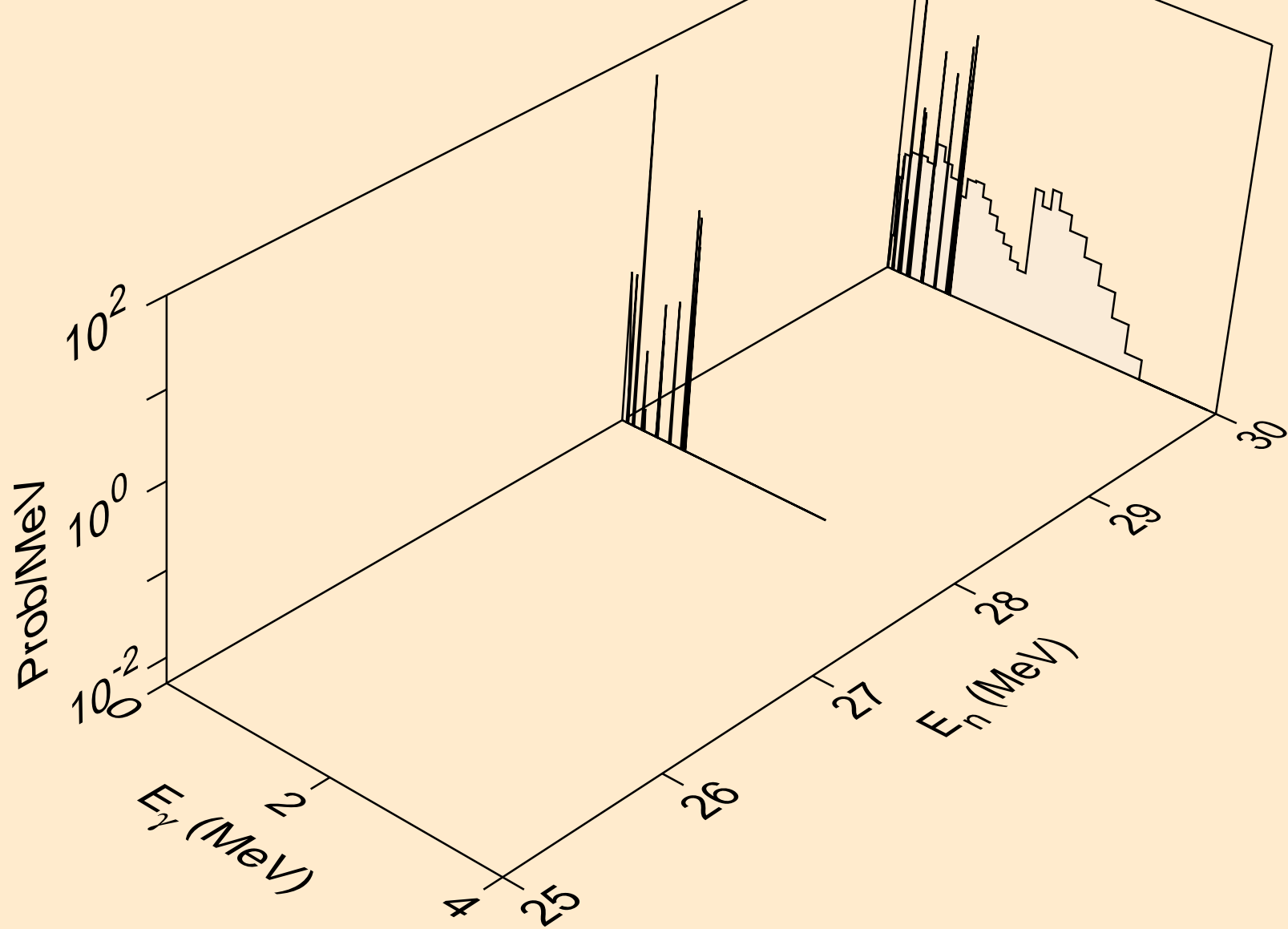
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Photon emission for (n,2nd)



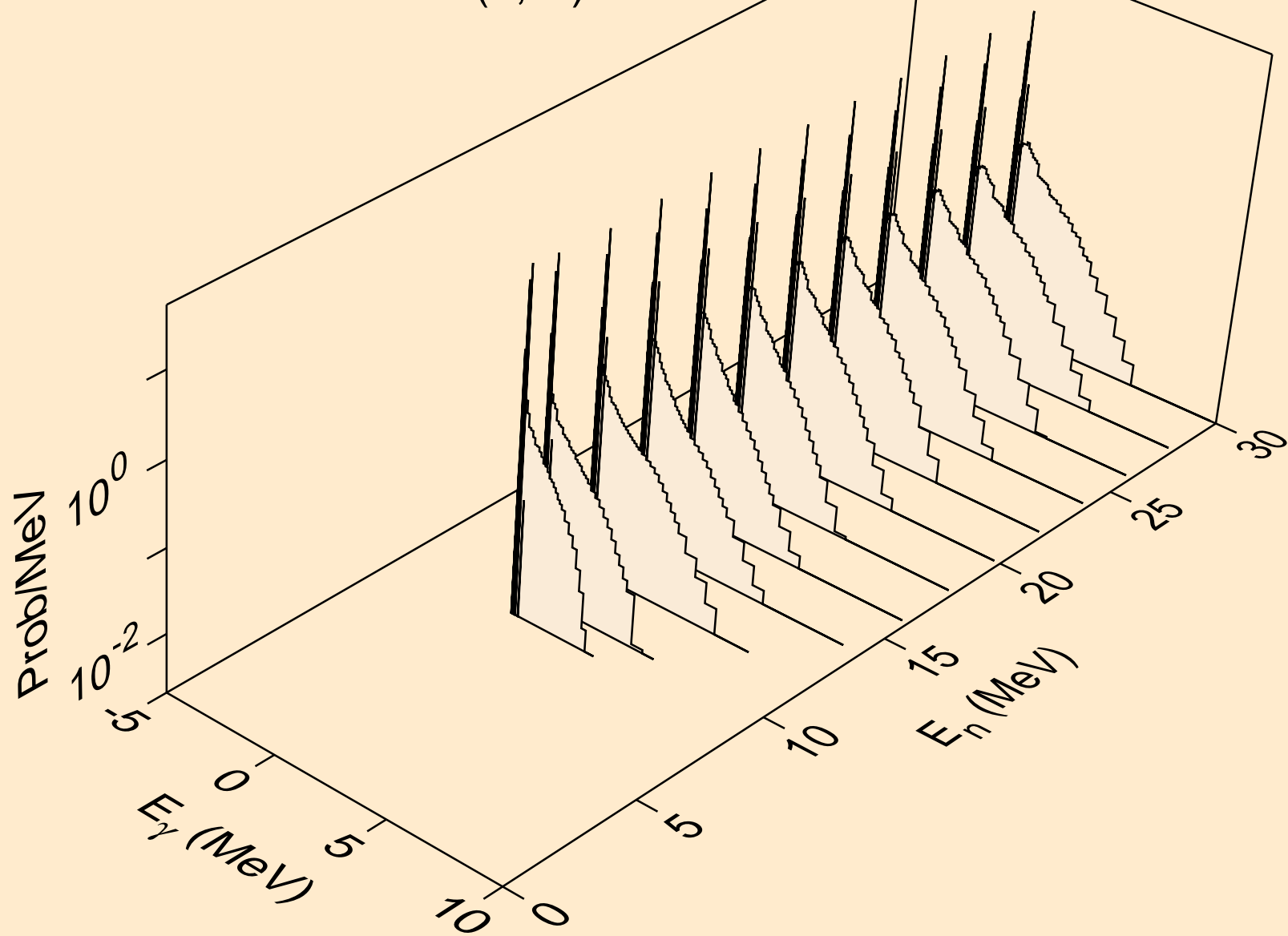
LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)

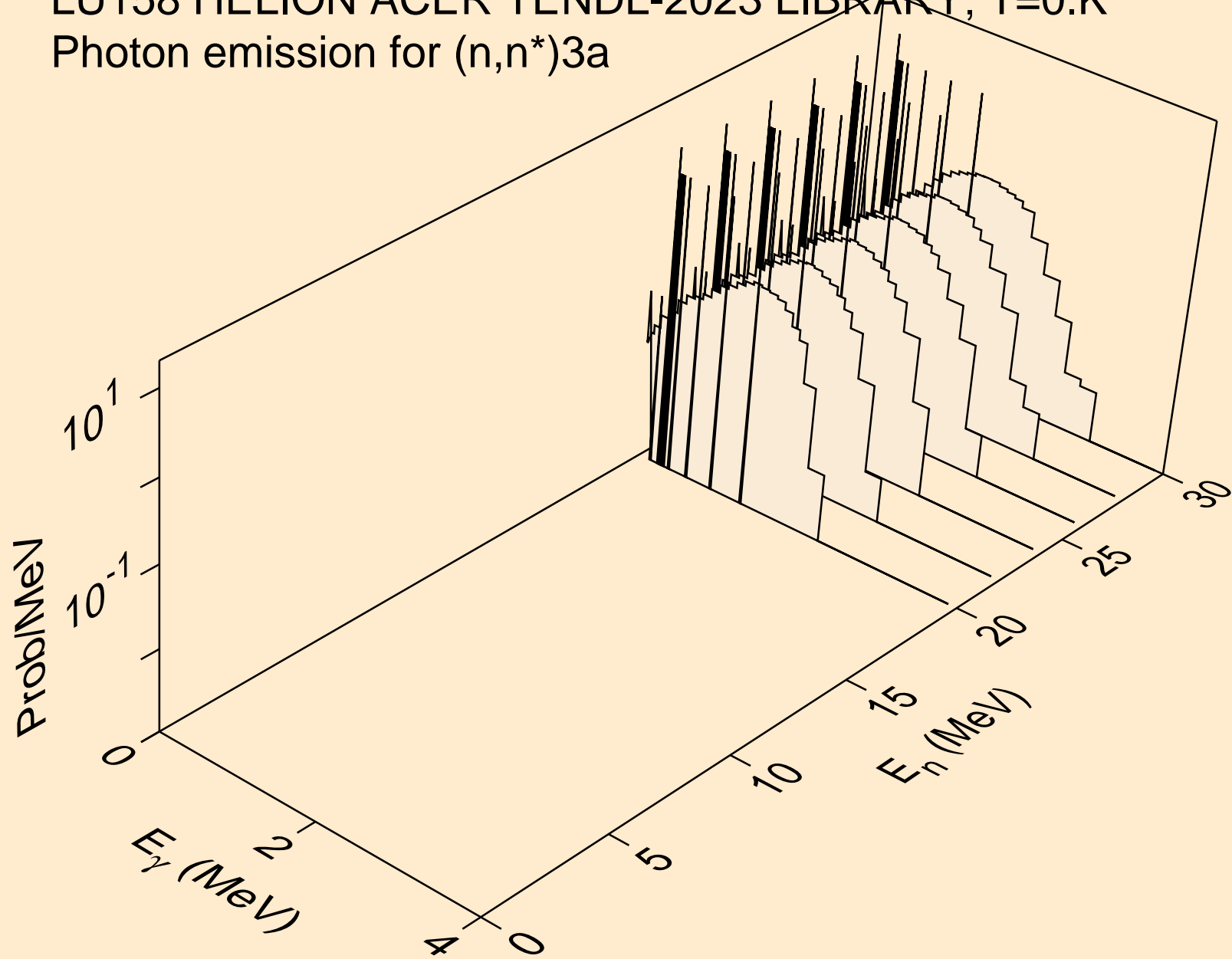


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Photon emission for (n,n\*)a

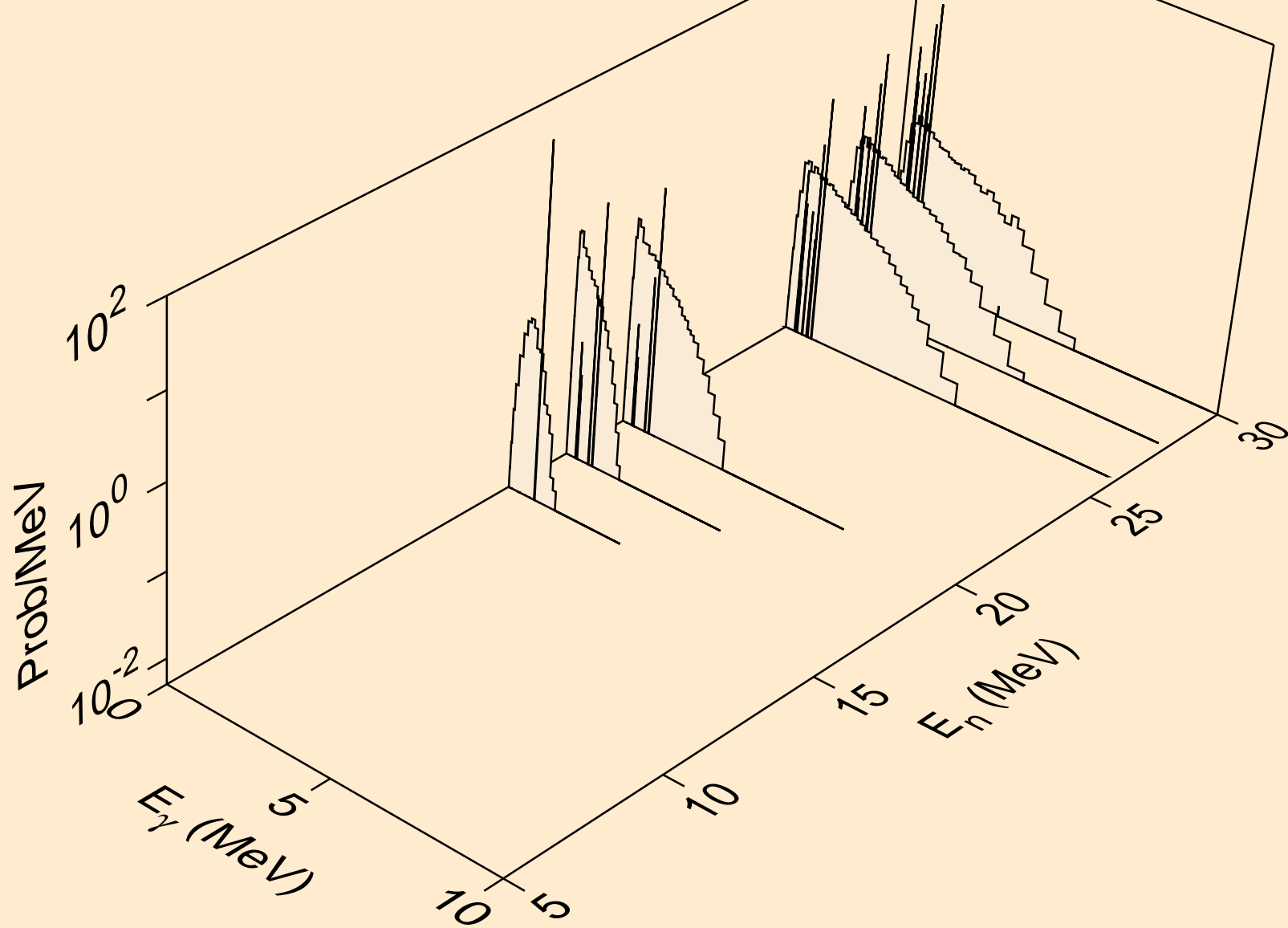




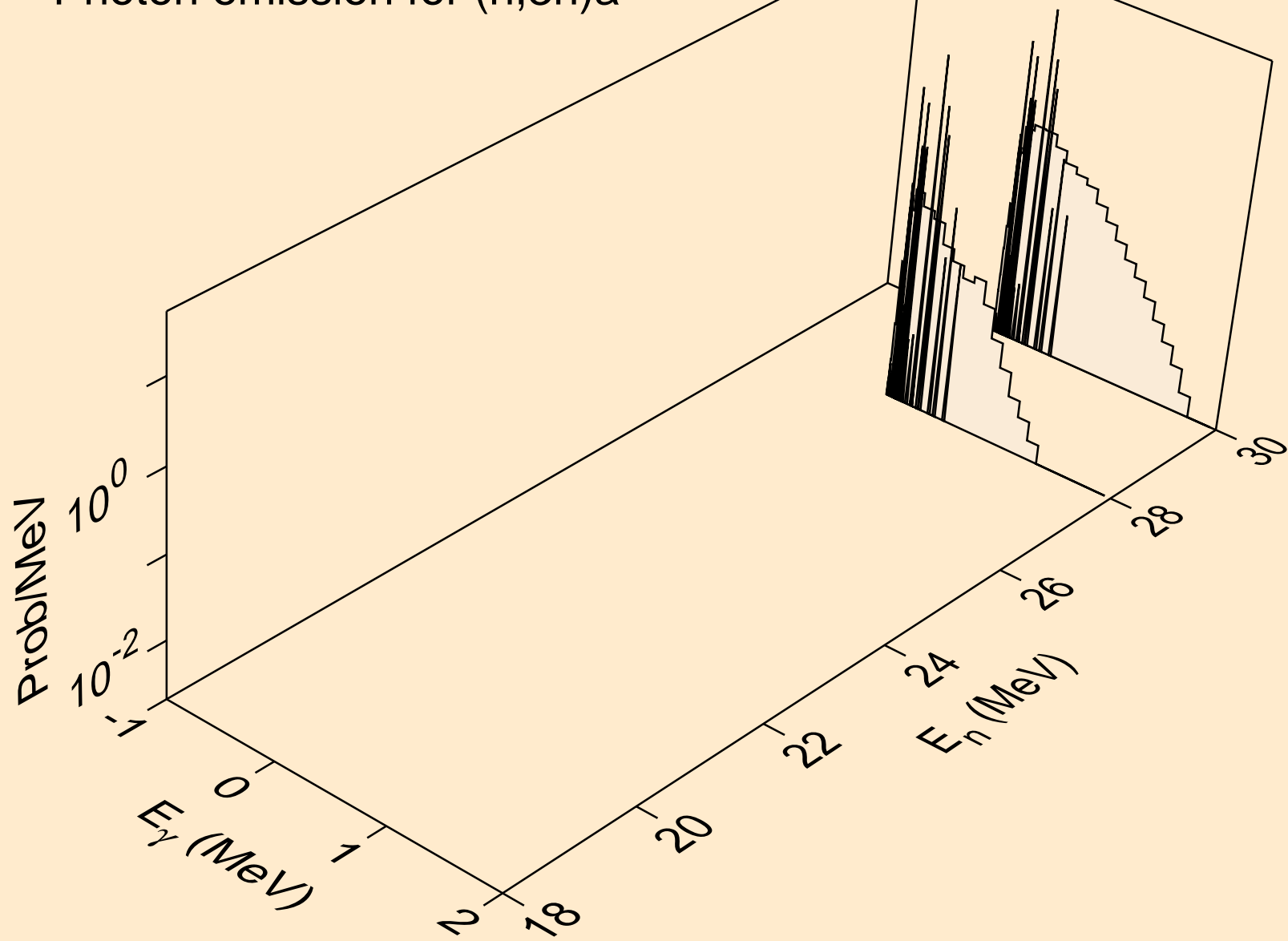
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Photon emission for (n,n\*)3a



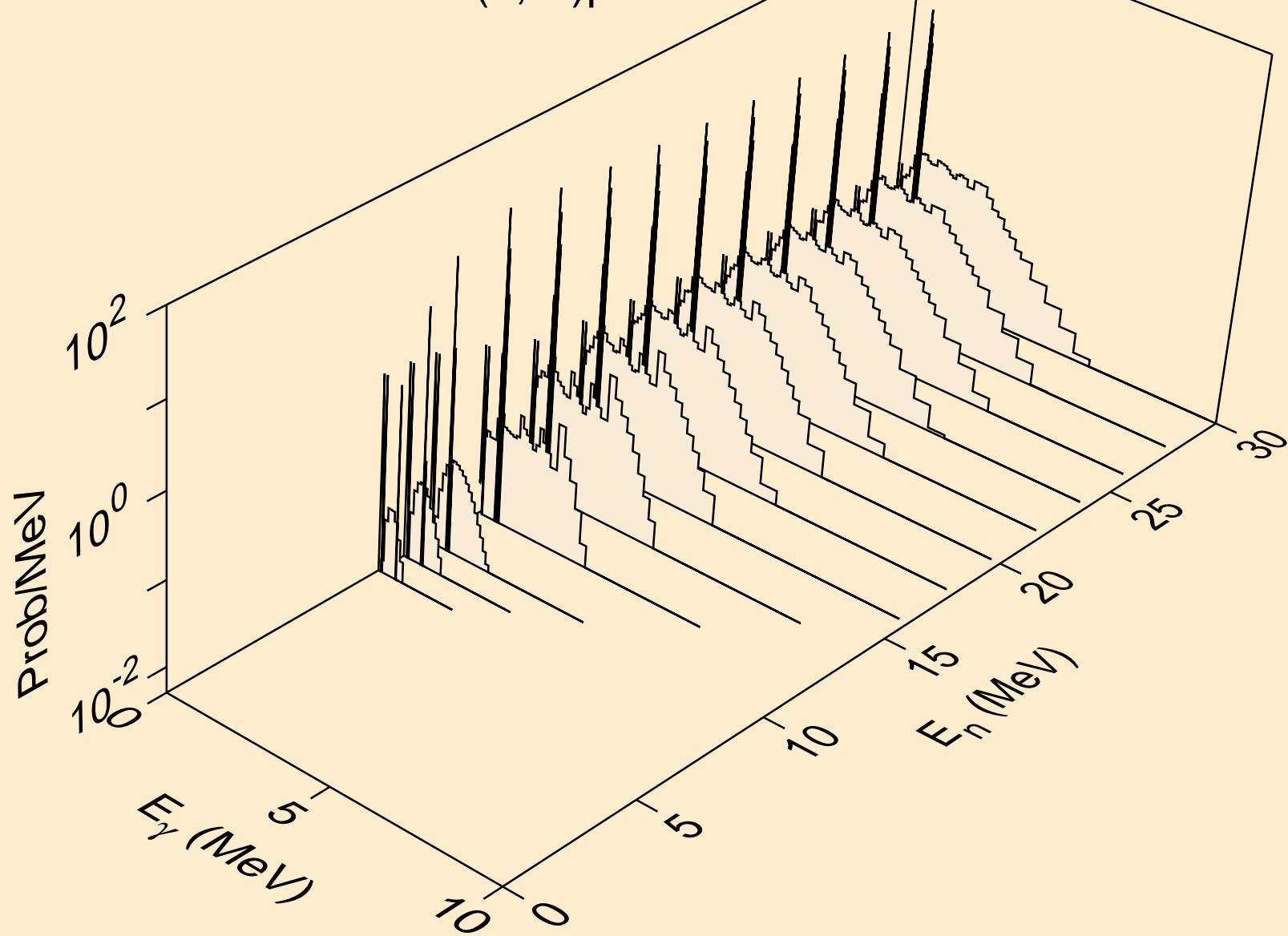
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Photon emission for (n,2n)a



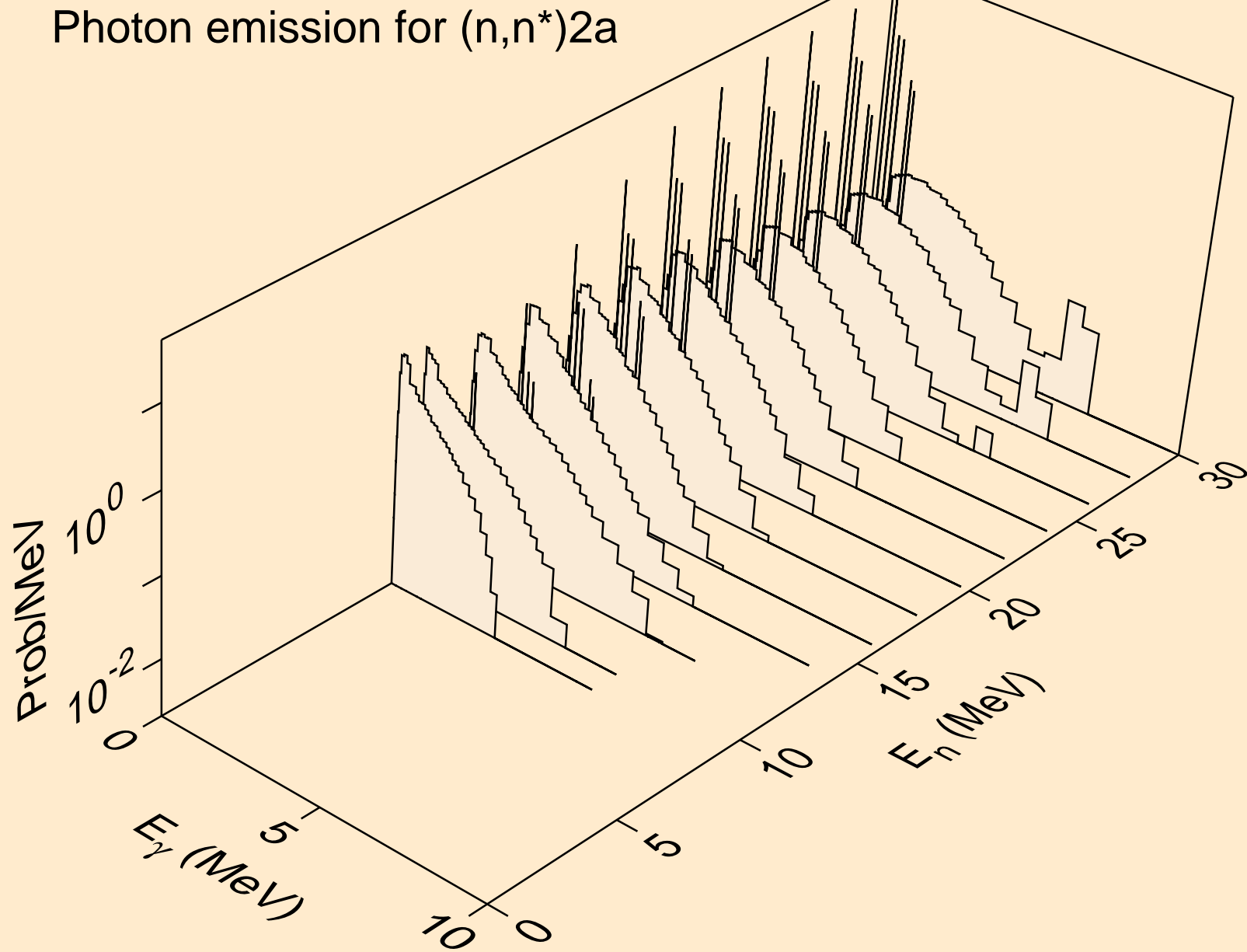
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Photon emission for (n,3n)a



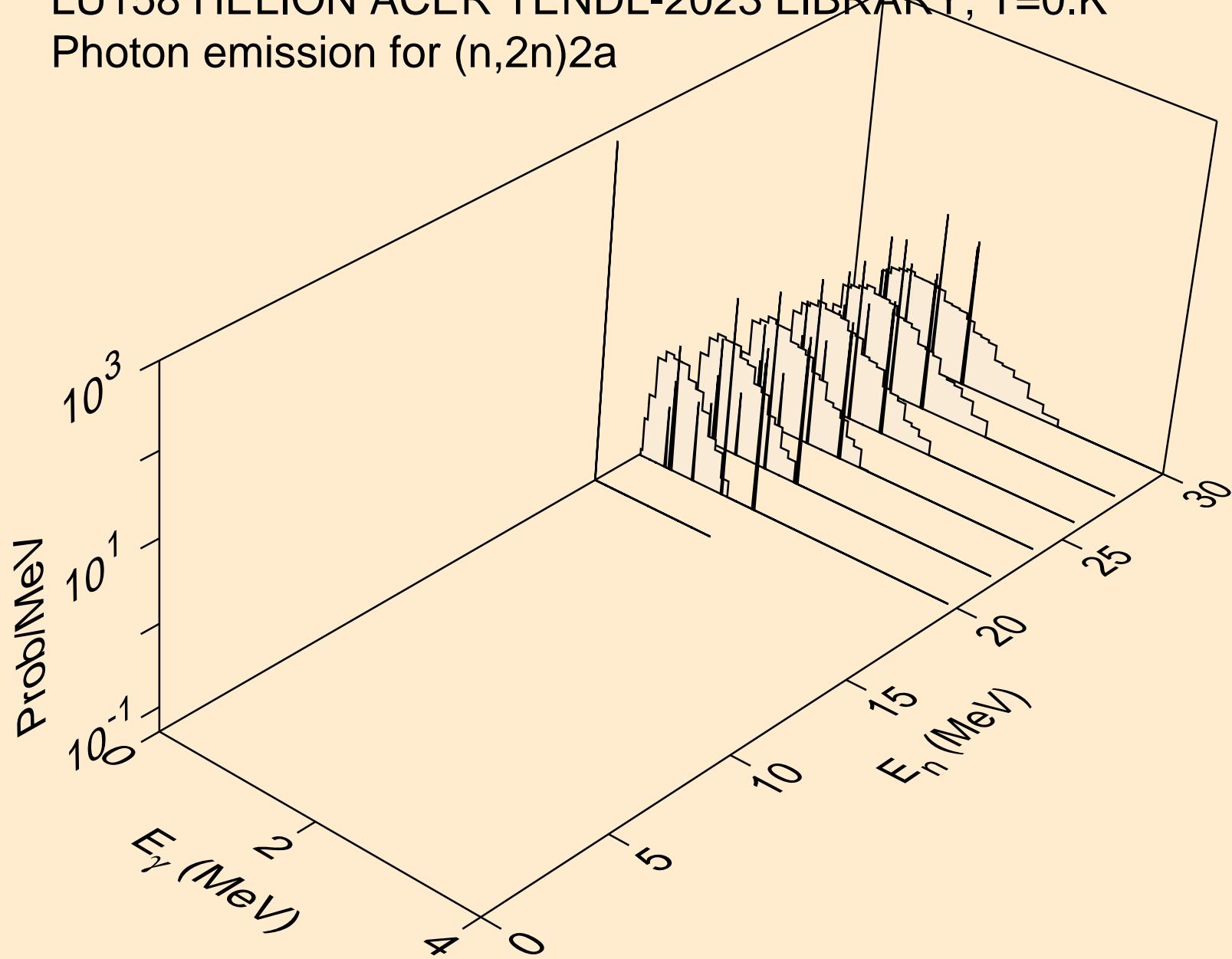
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Photon emission for (n,n\*)p



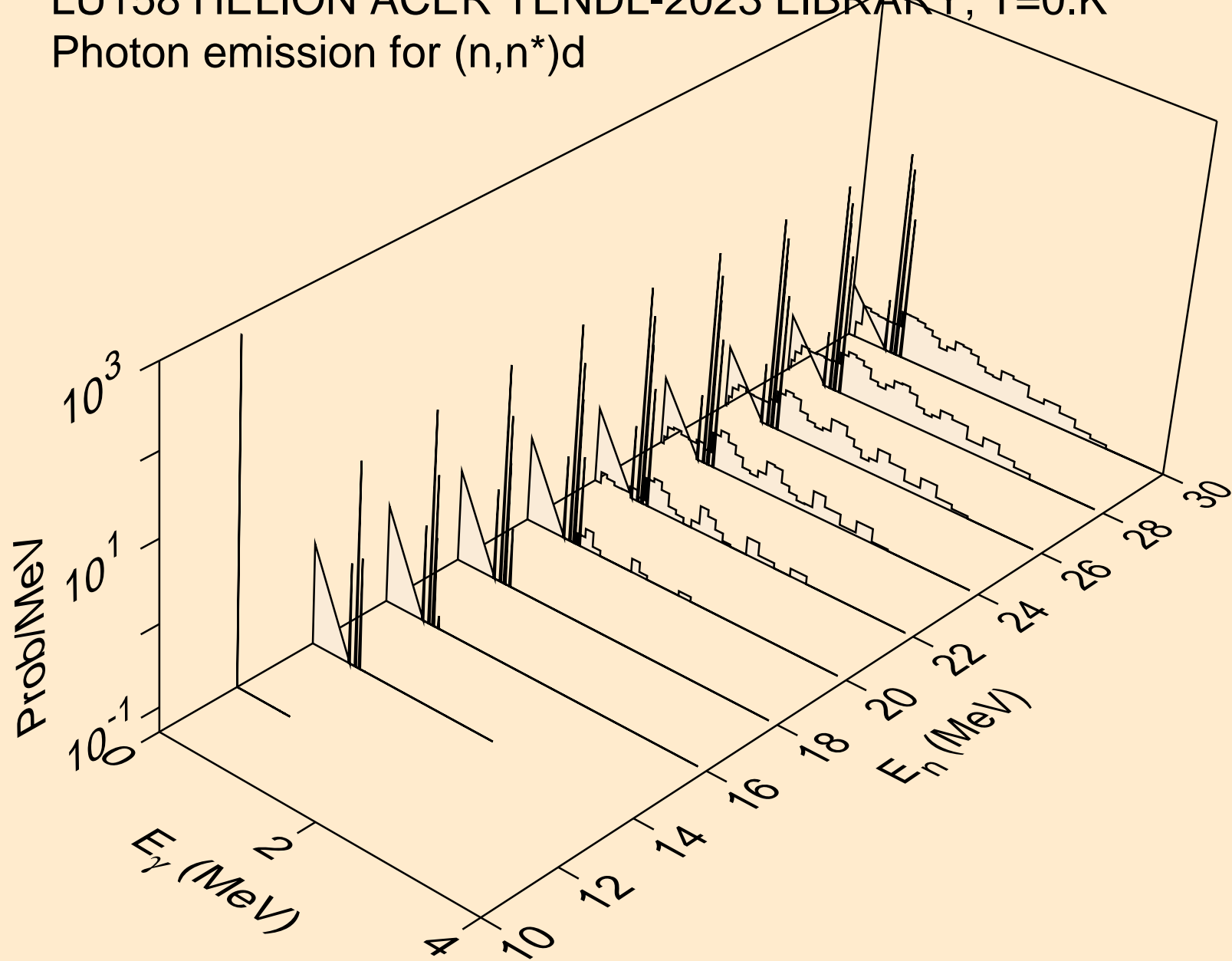
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Photon emission for (n,n\*)2a



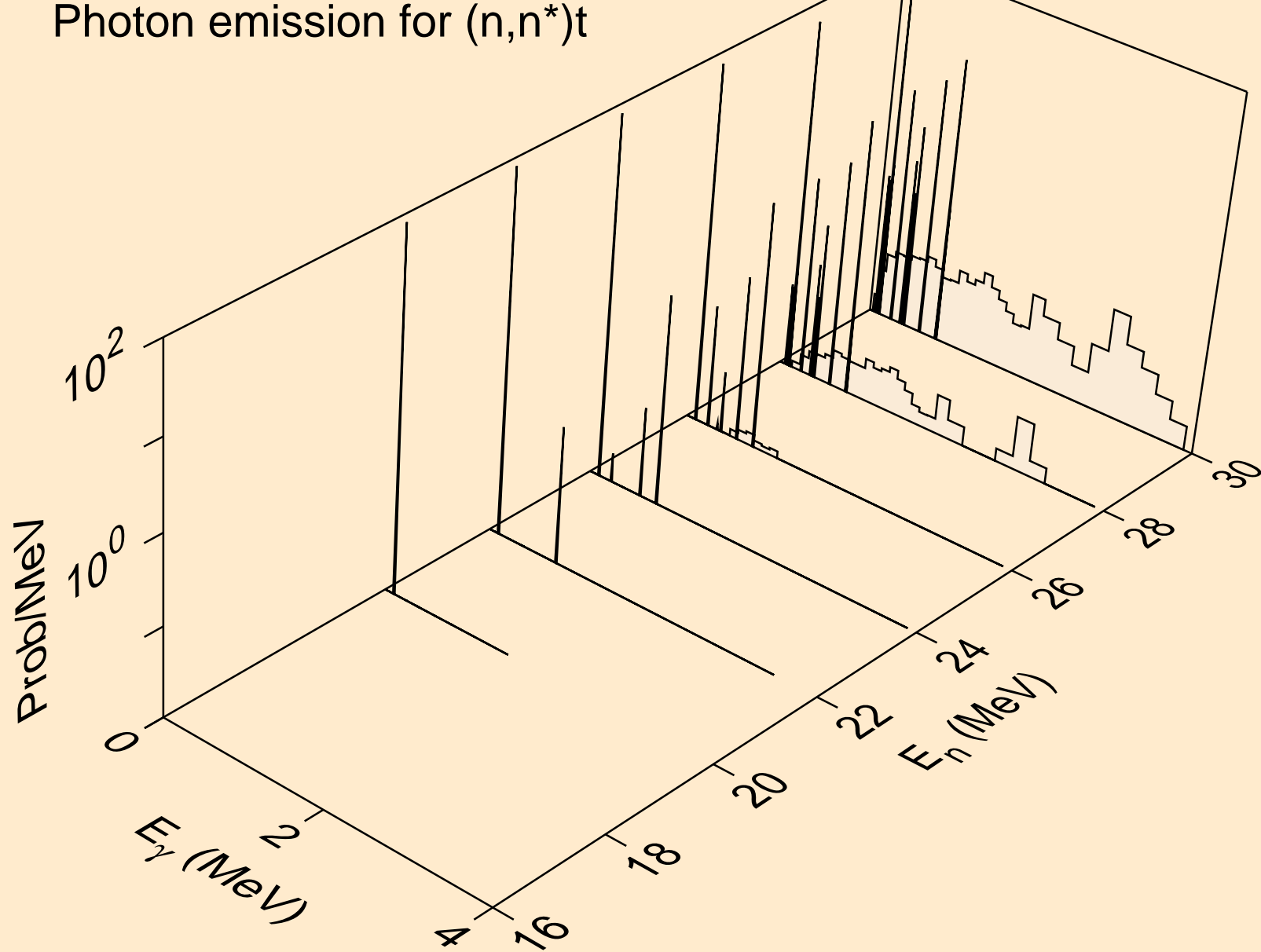
LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

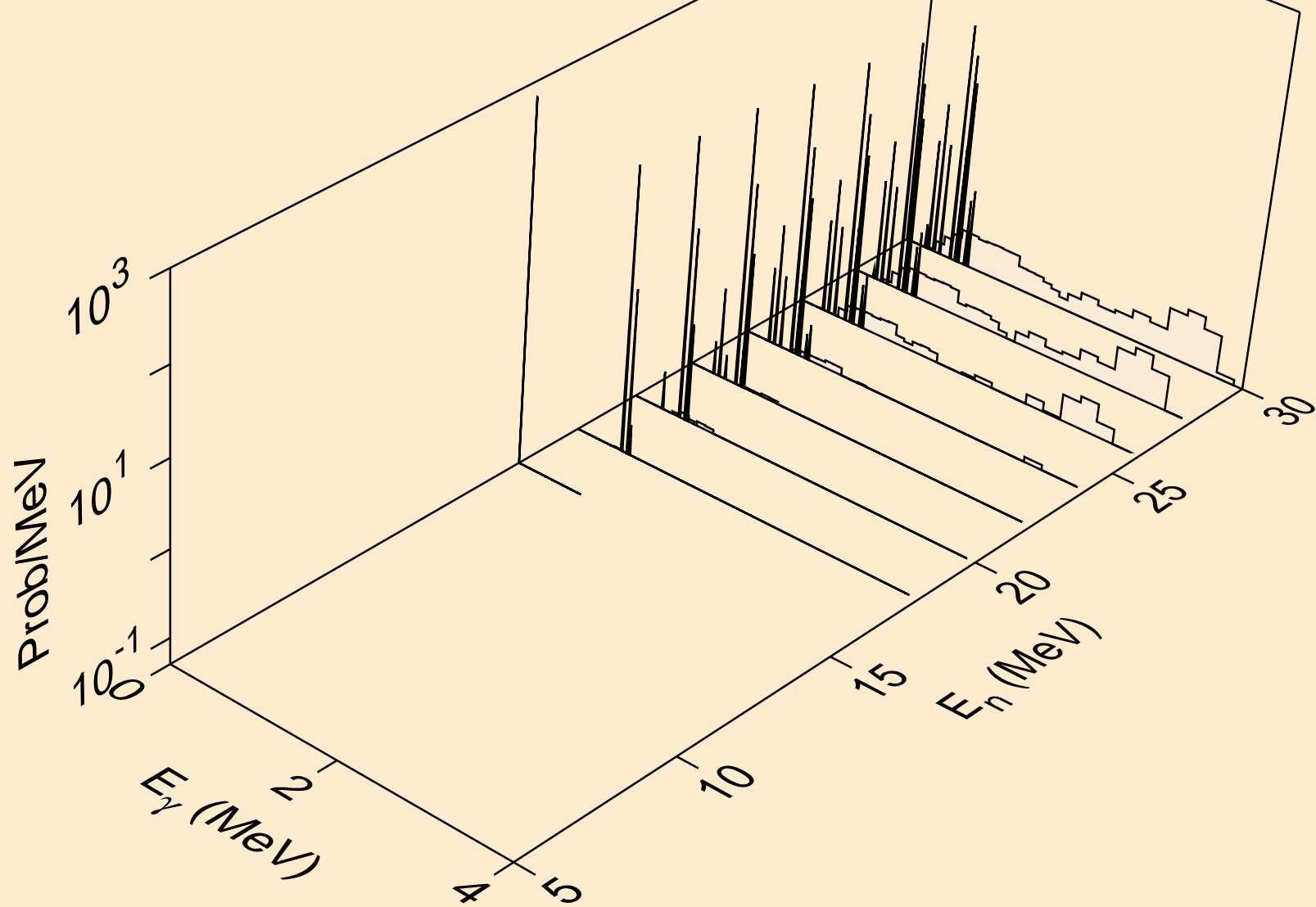


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Photon emission for (n,n\*)t

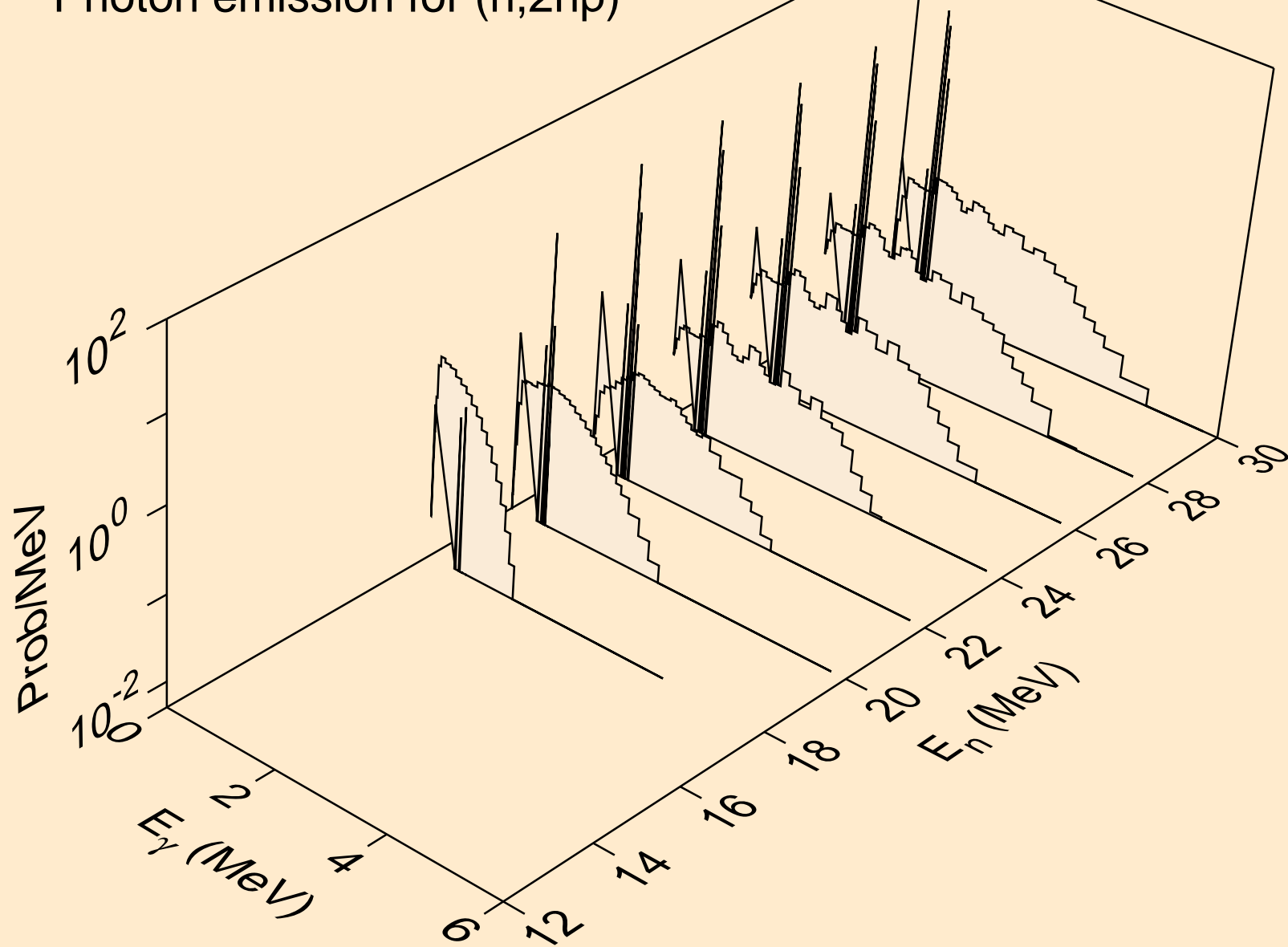




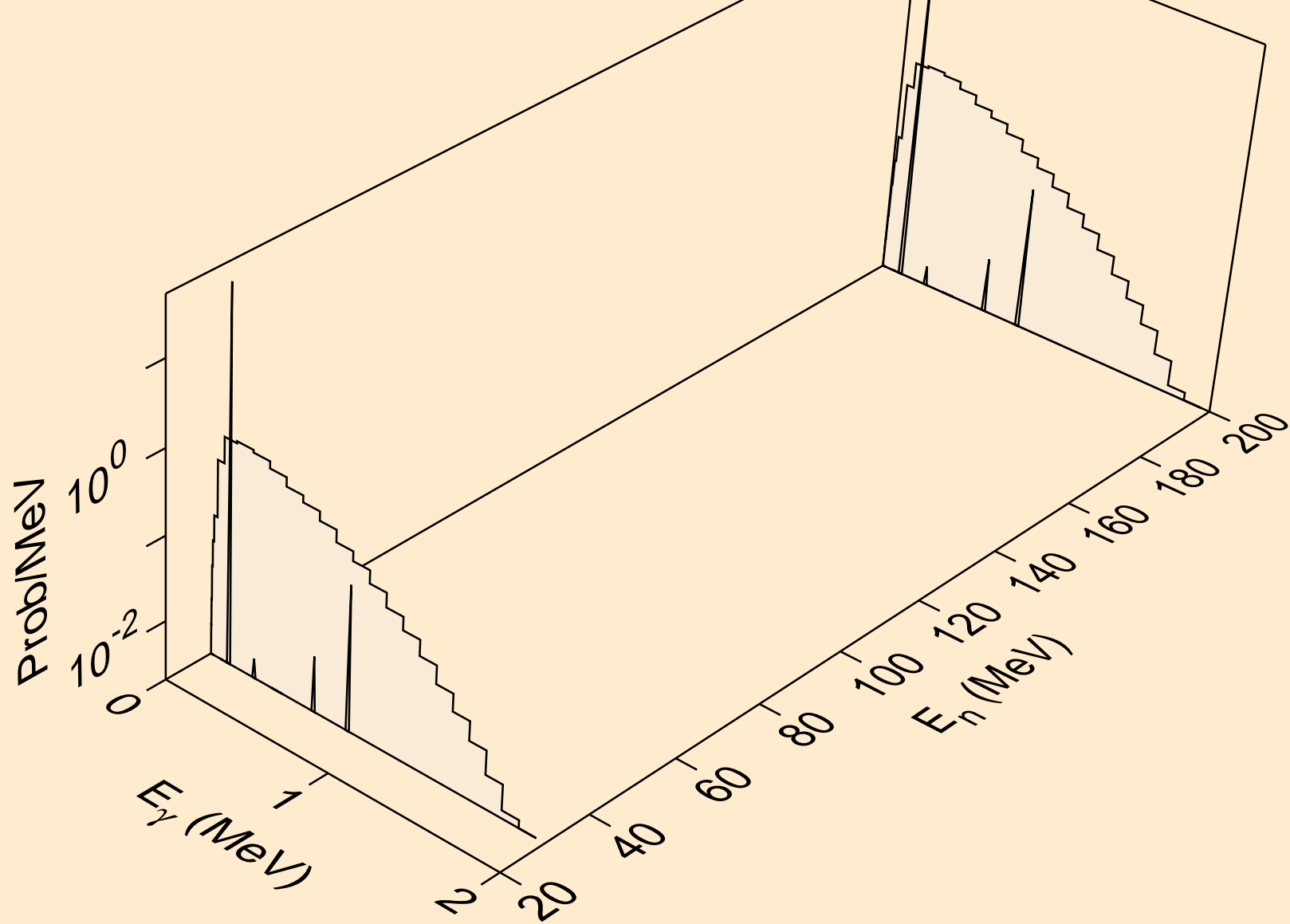
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Photon emission for (n,n\*)he3



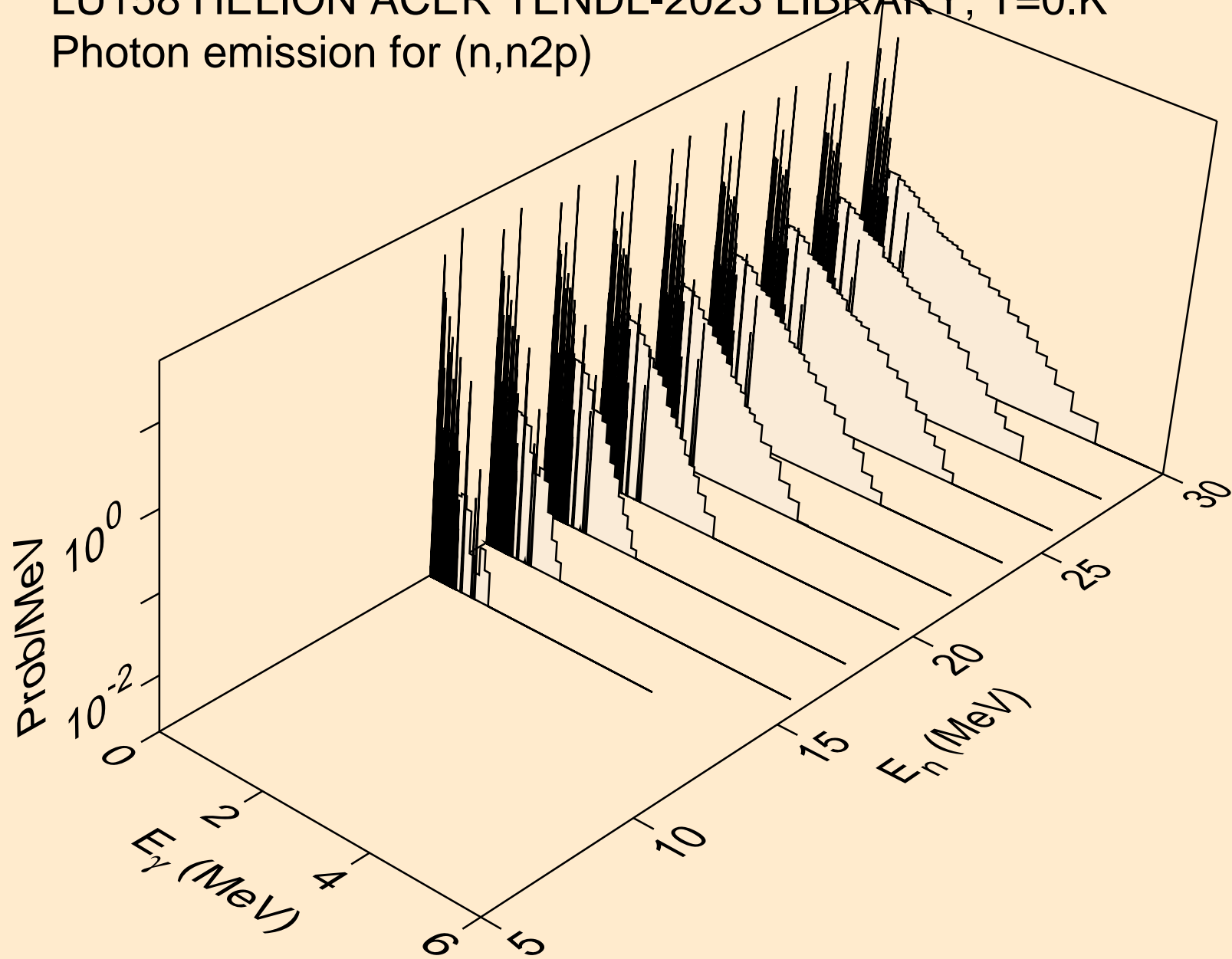
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Photon emission for (n,2np)



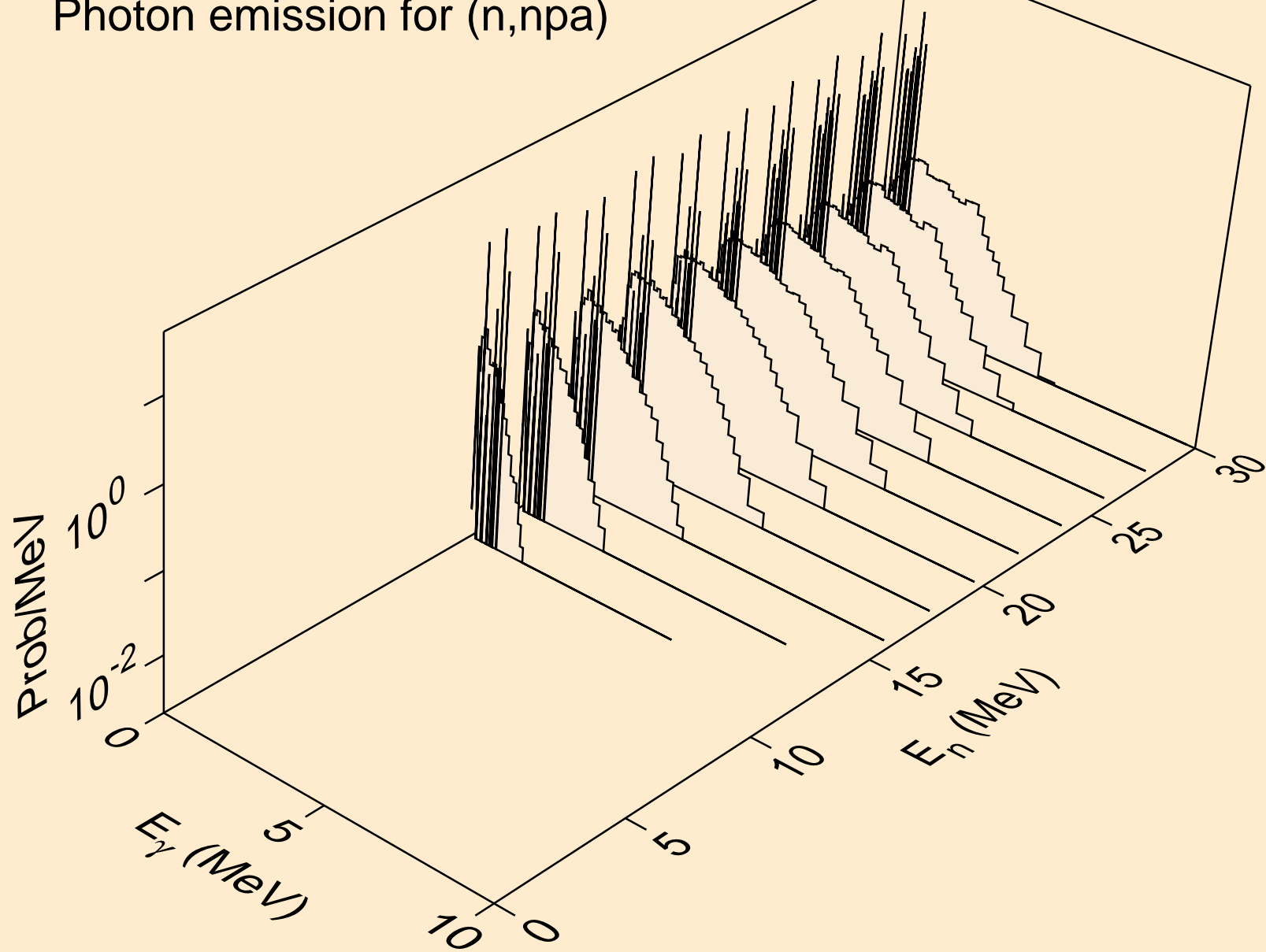
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Photon emission for (n,3np)



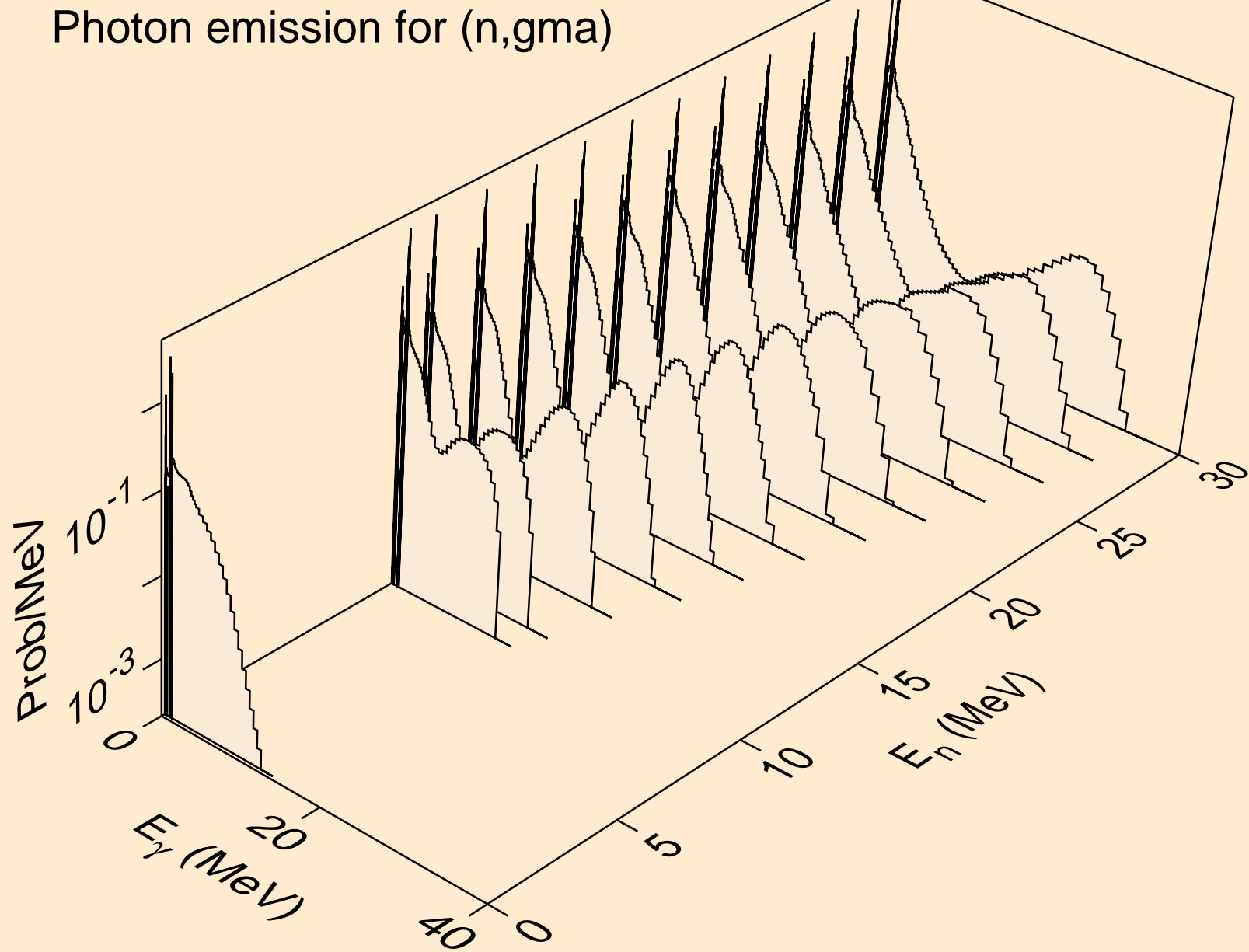
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Photon emission for (n,n2p)



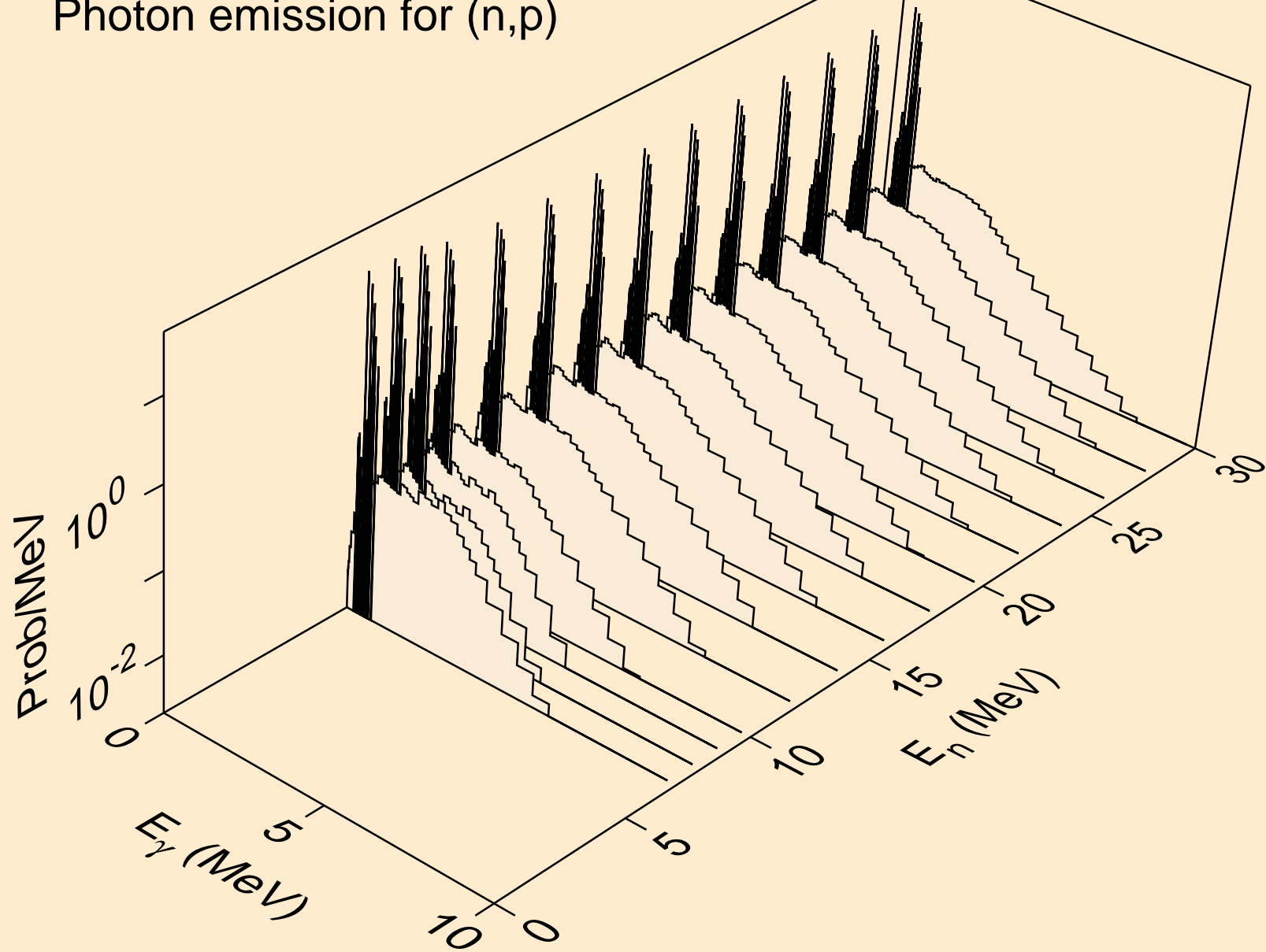
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Photon emission for (n,npa)



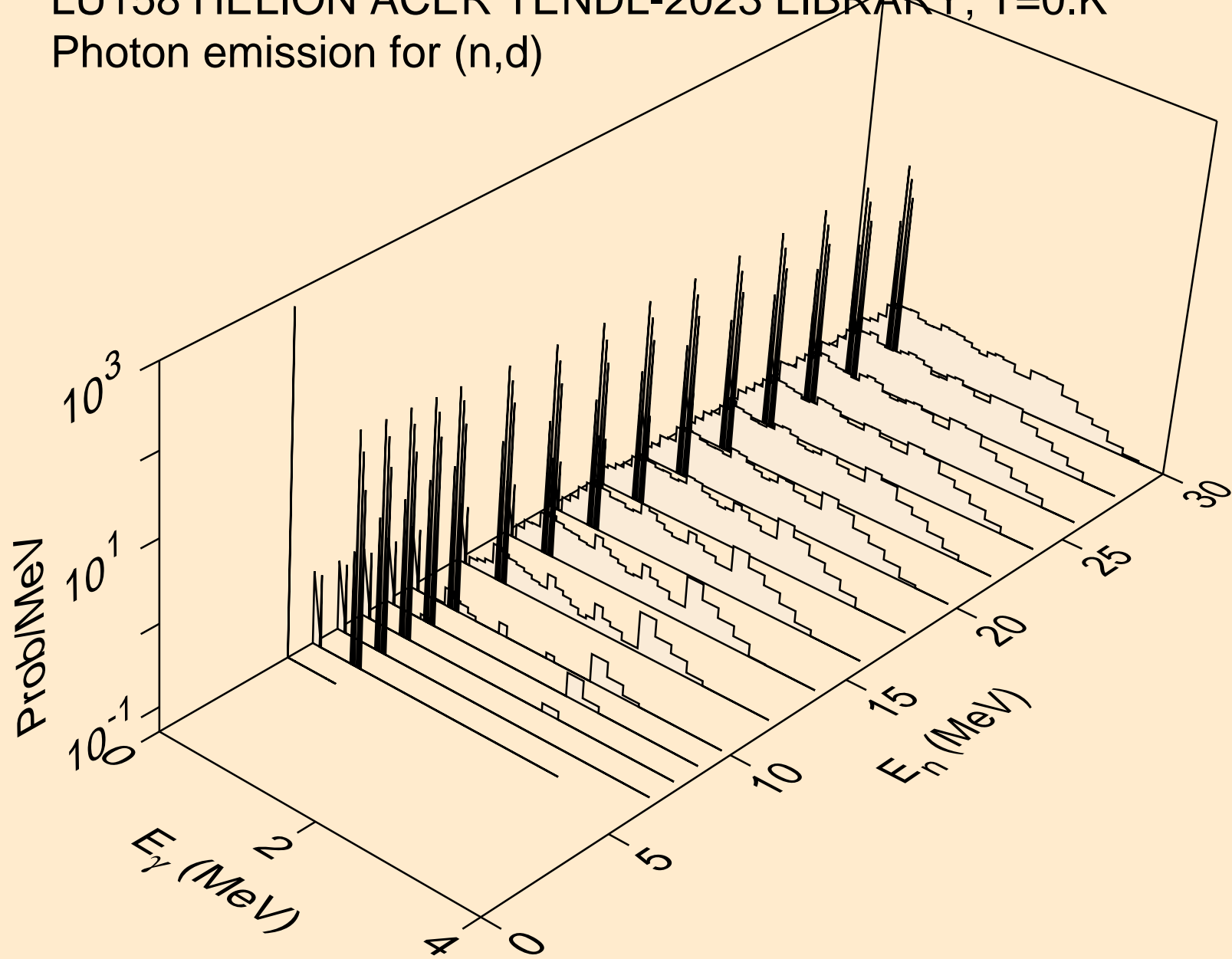
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Photon emission for (n,gma)



LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)

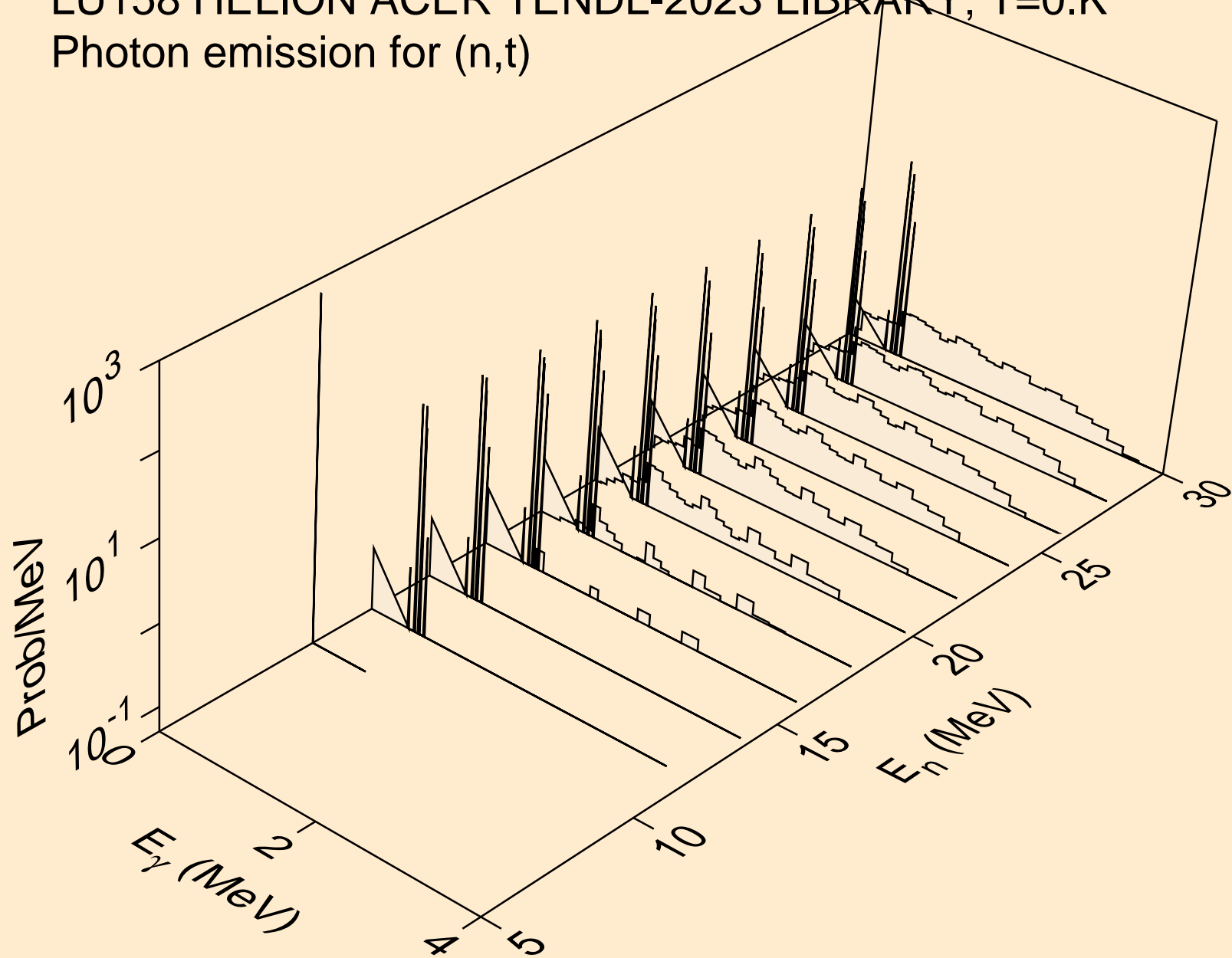


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Photon emission for (n,d)

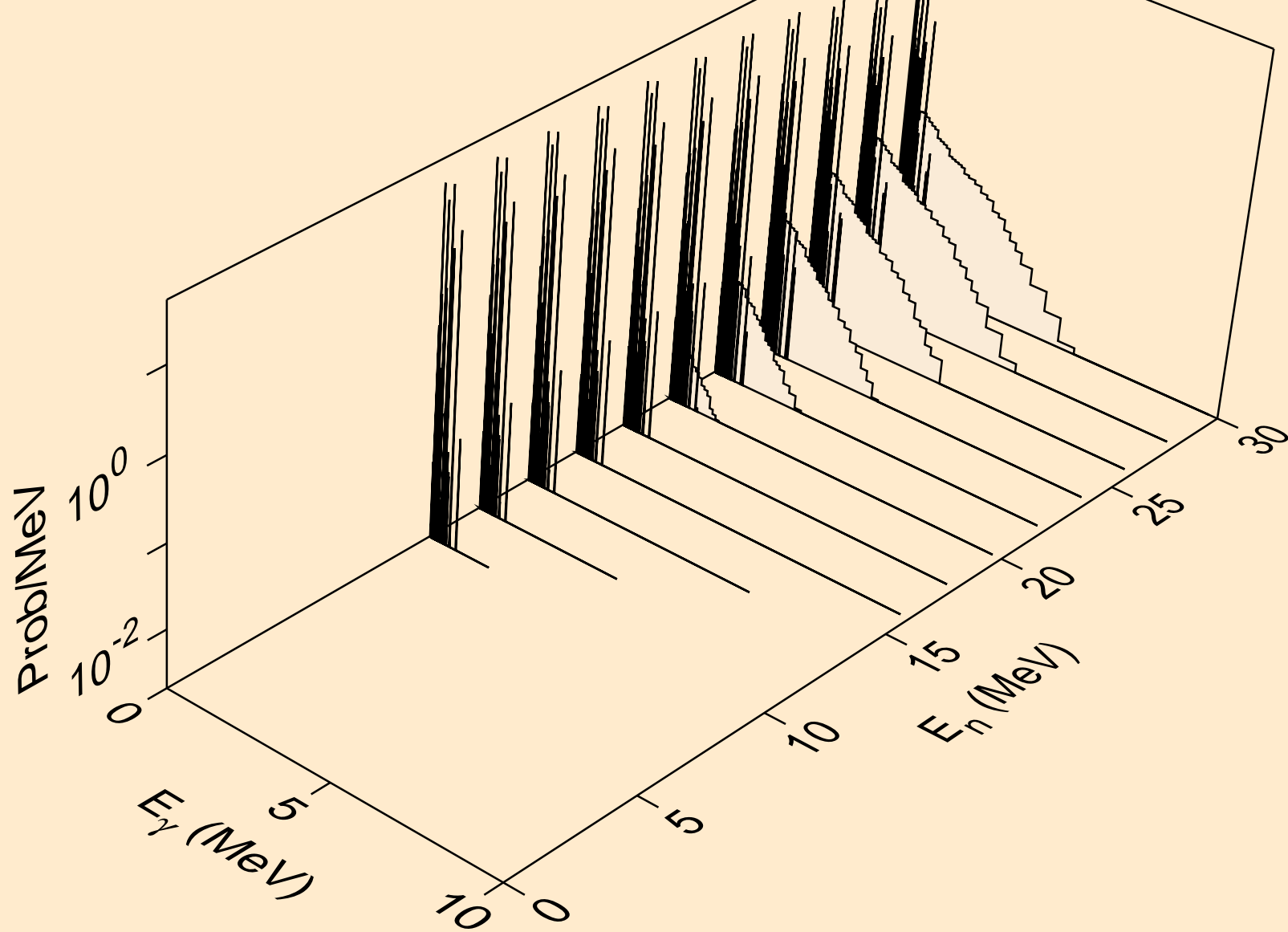




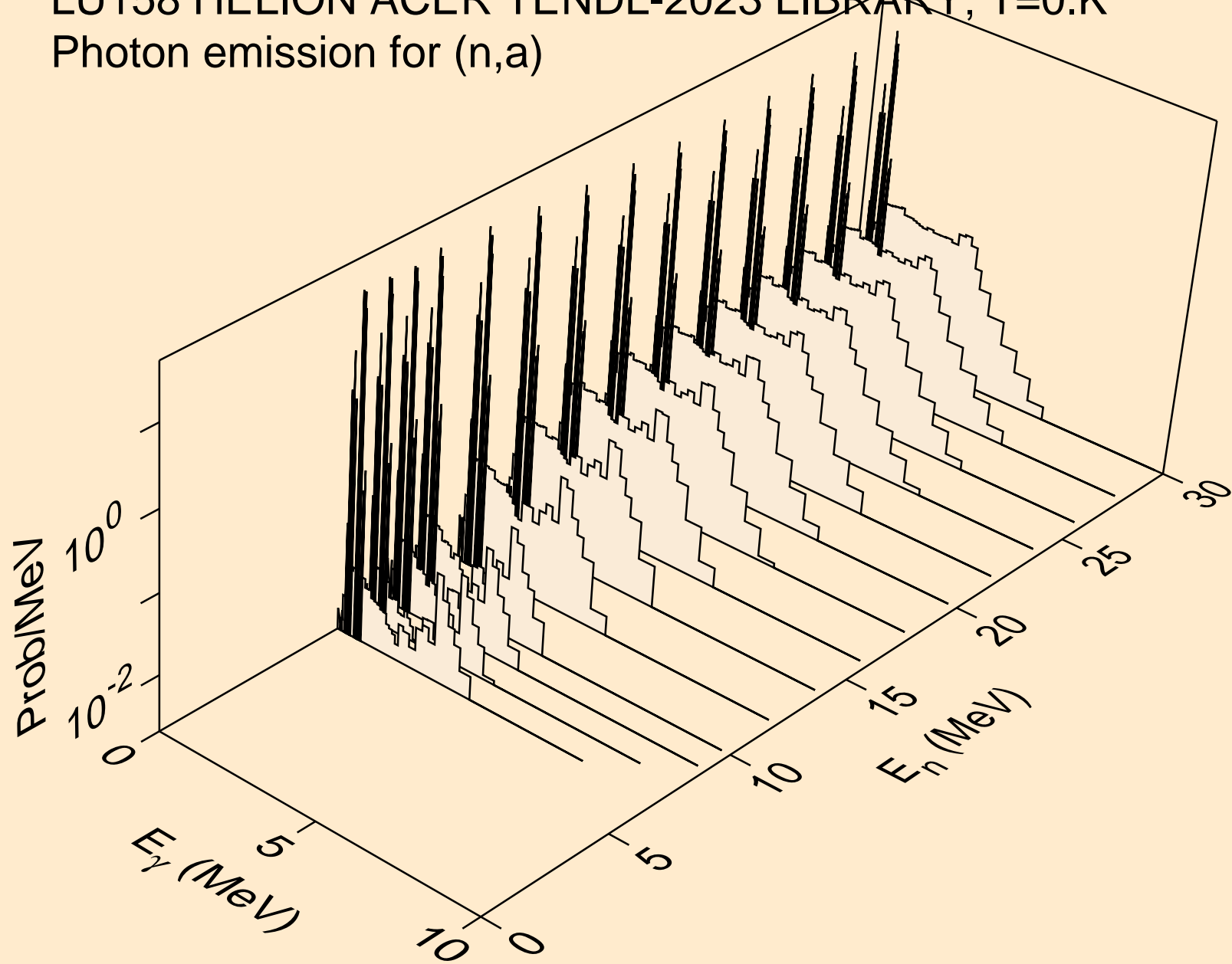
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Photon emission for (n,t)



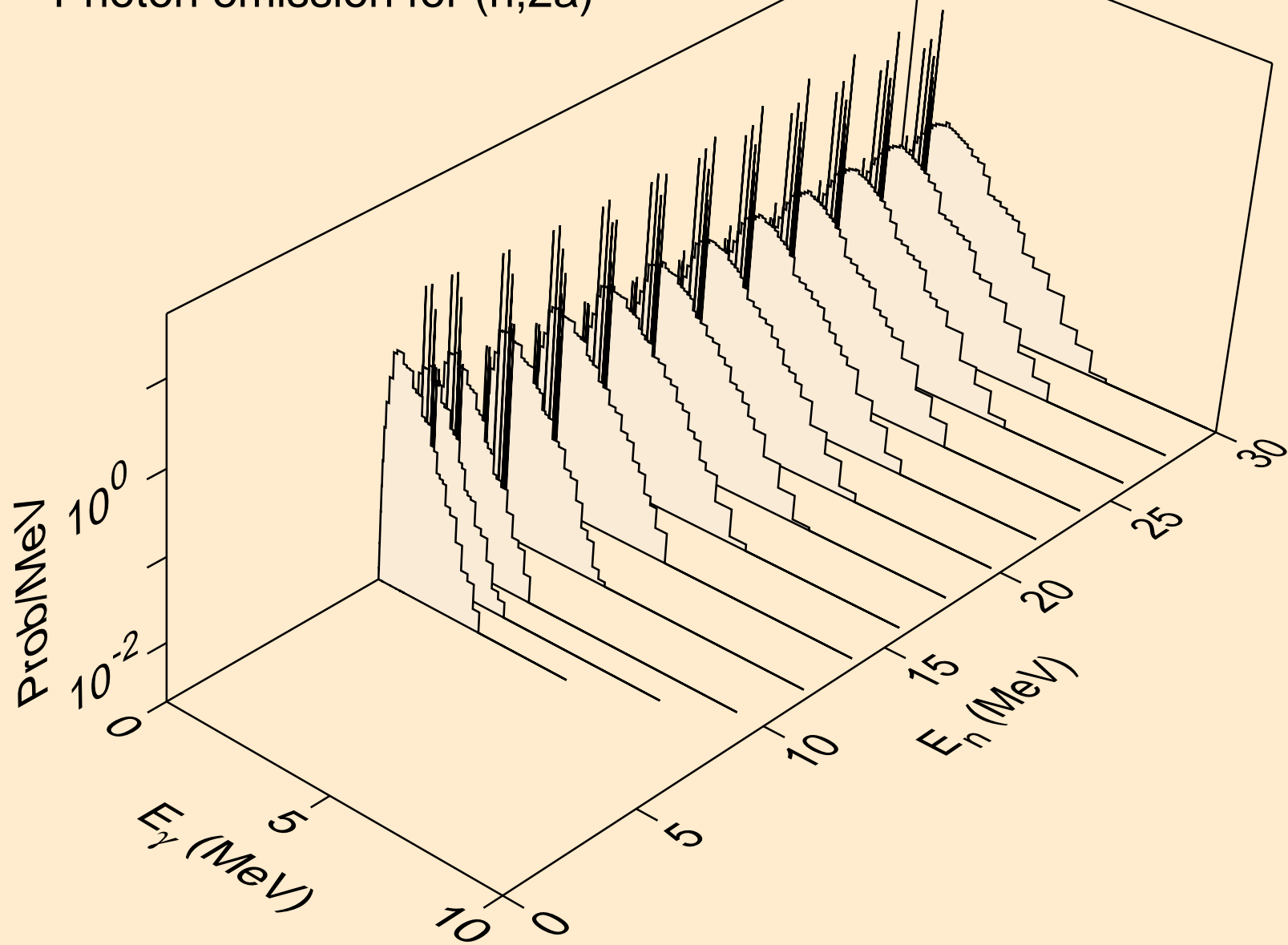
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Photon emission for inelastic



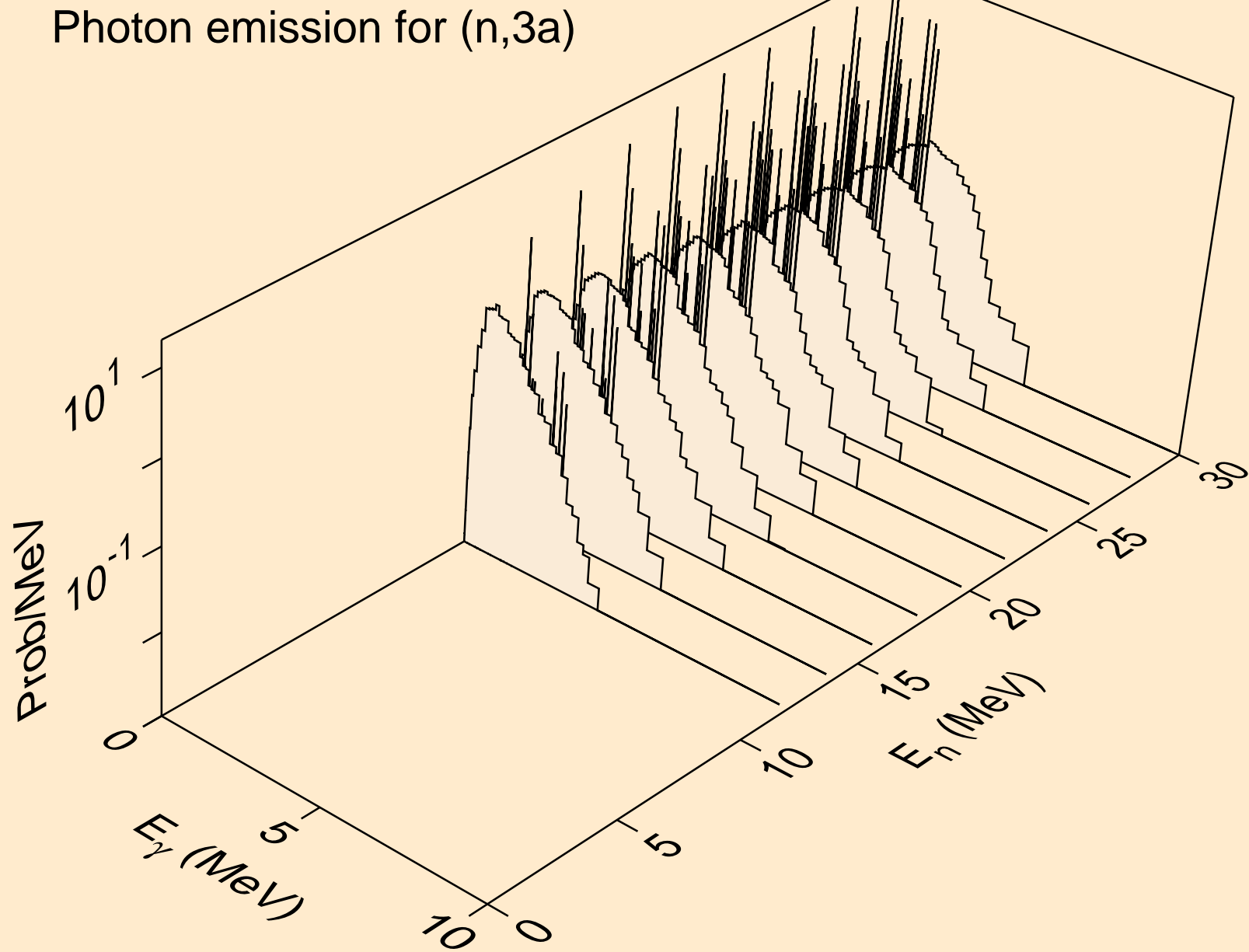
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Photon emission for (n,a)



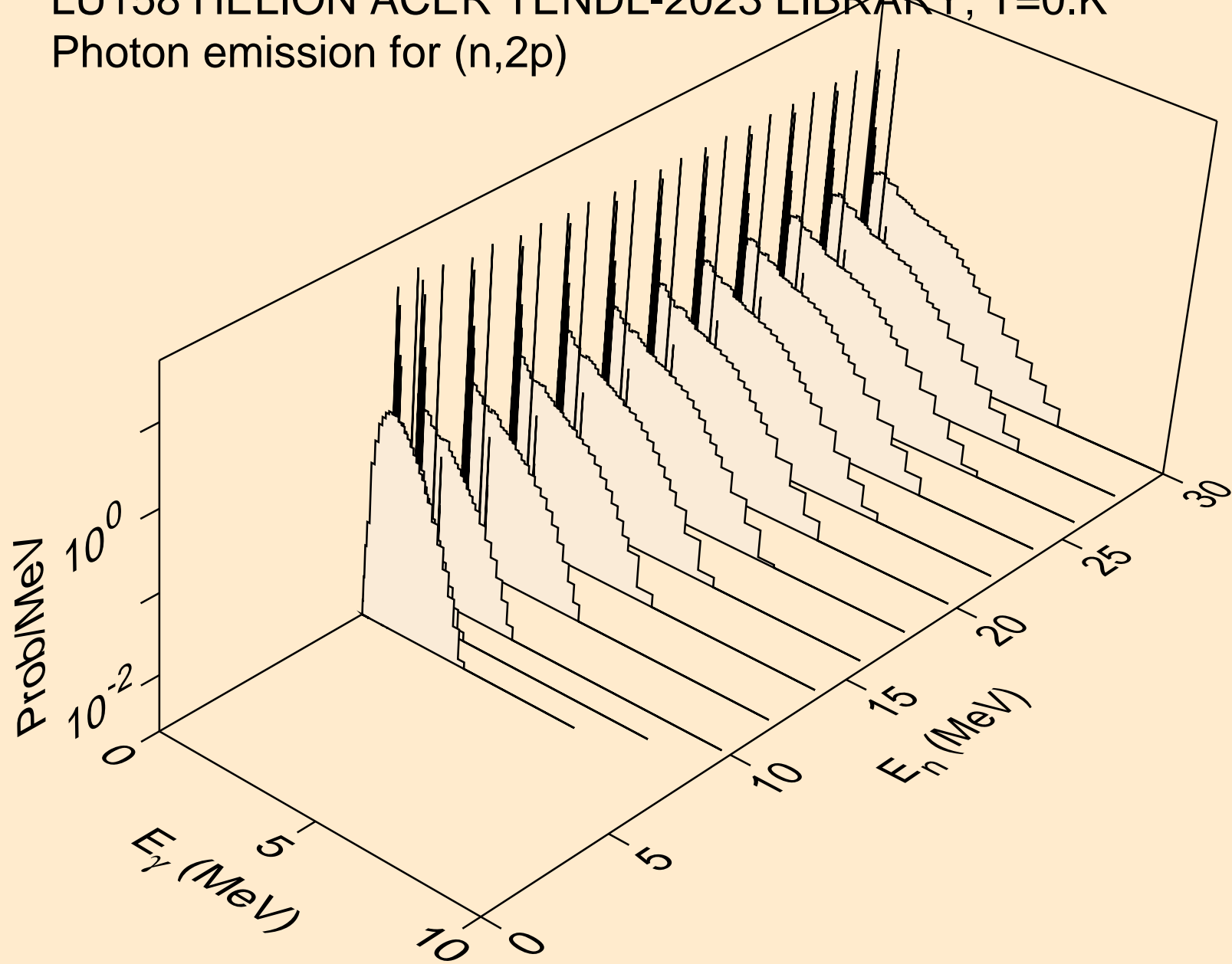
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Photon emission for (n,2a)



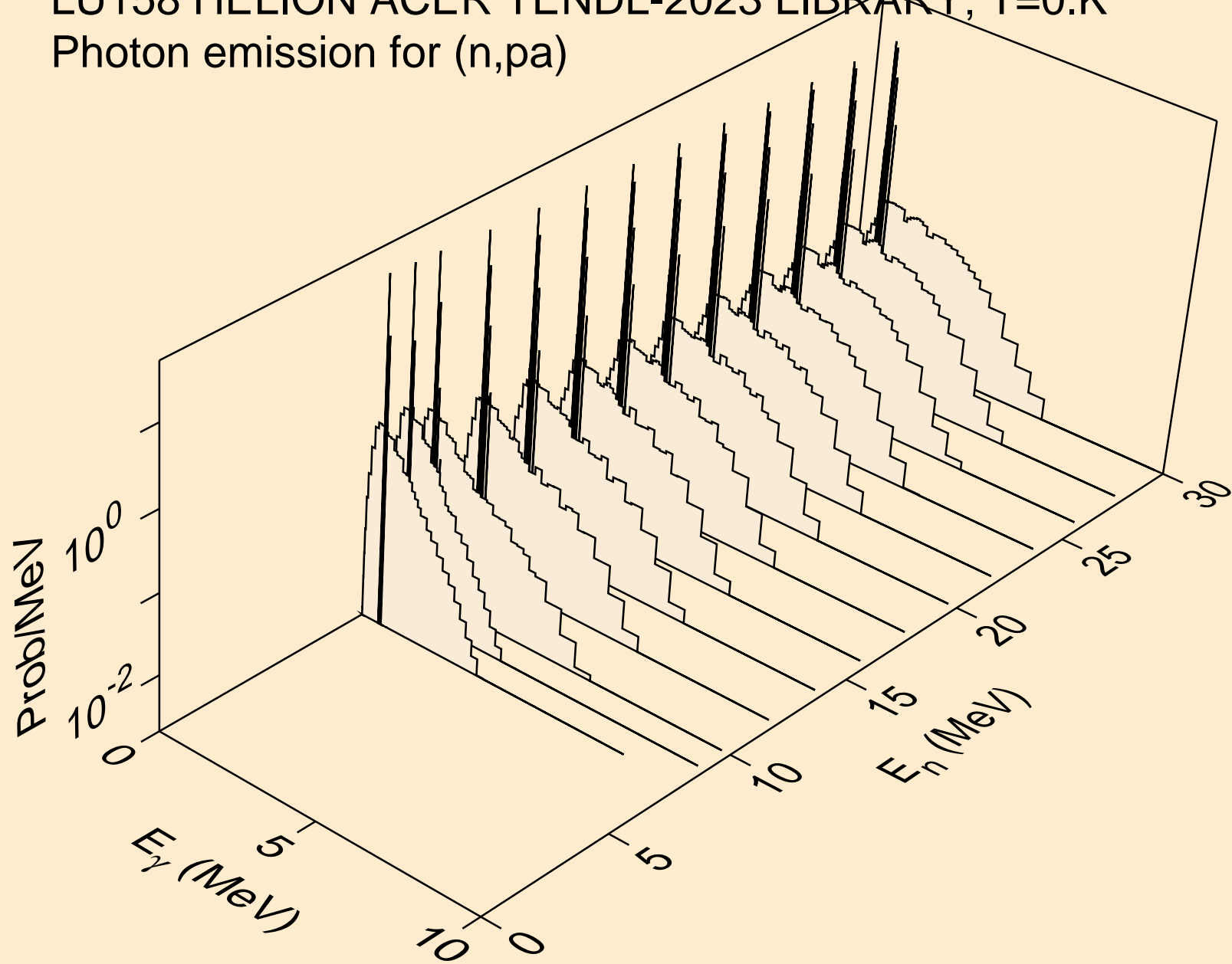
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Photon emission for (n,3a)



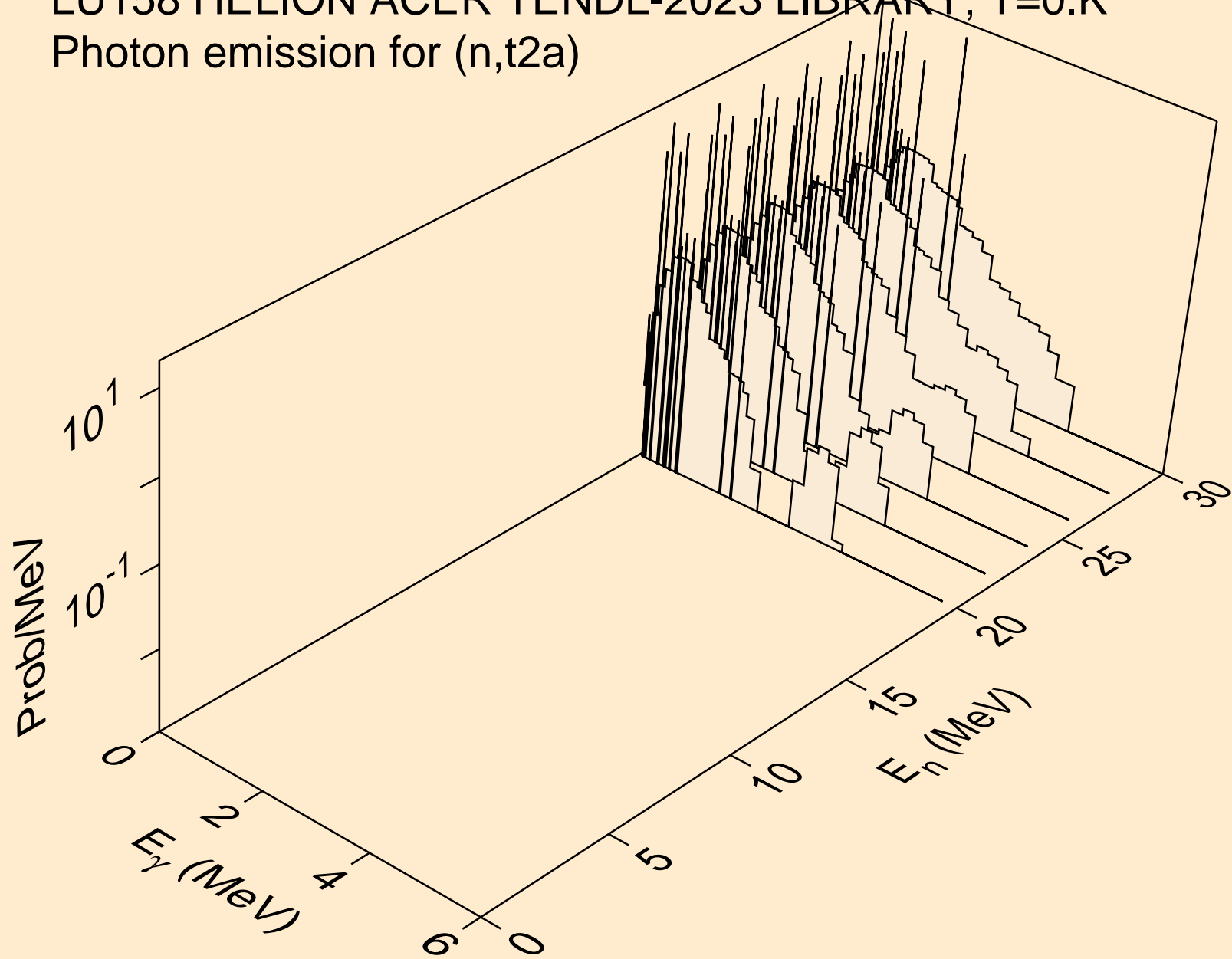
LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)

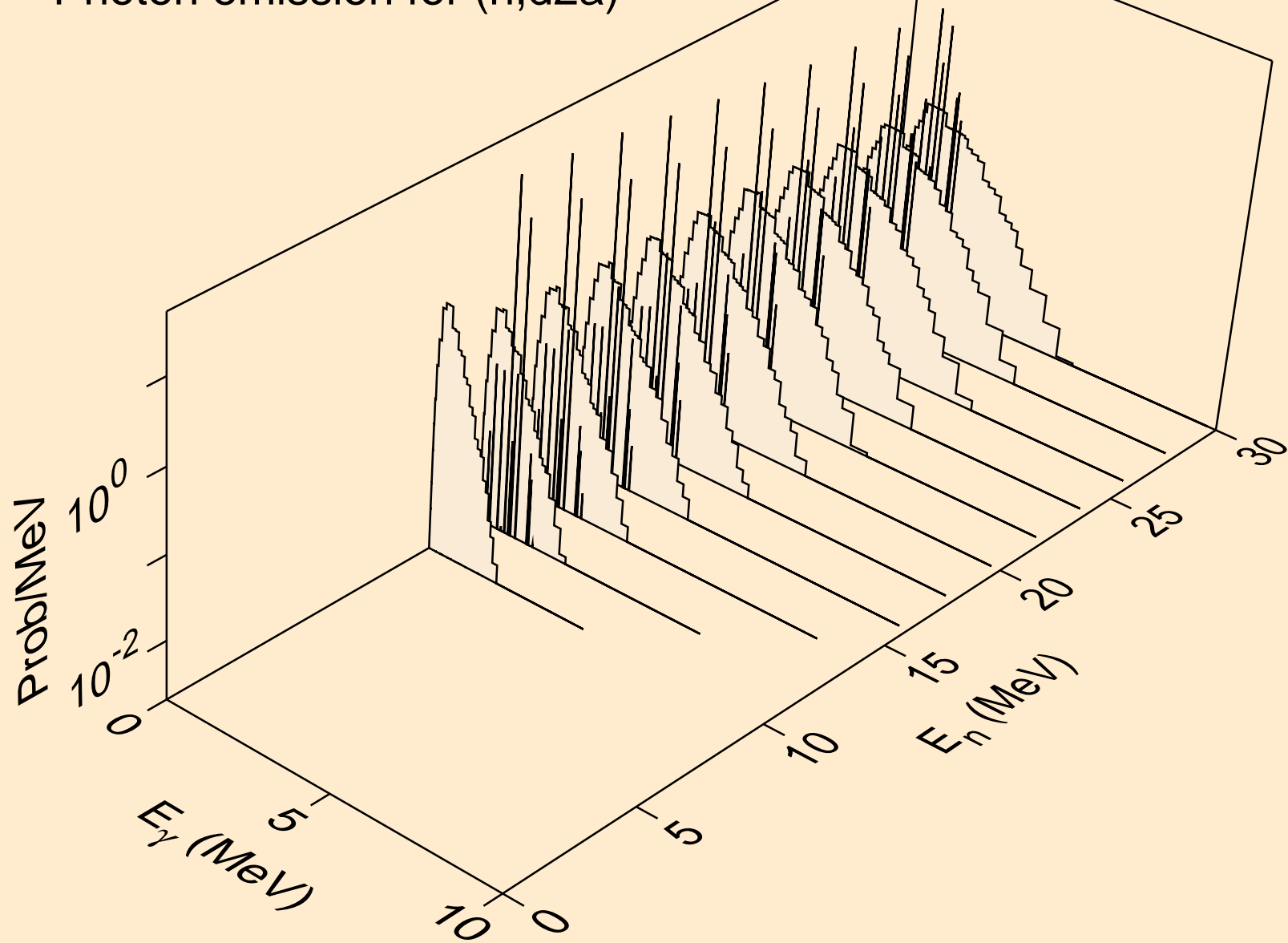


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Photon emission for (n,t2a)

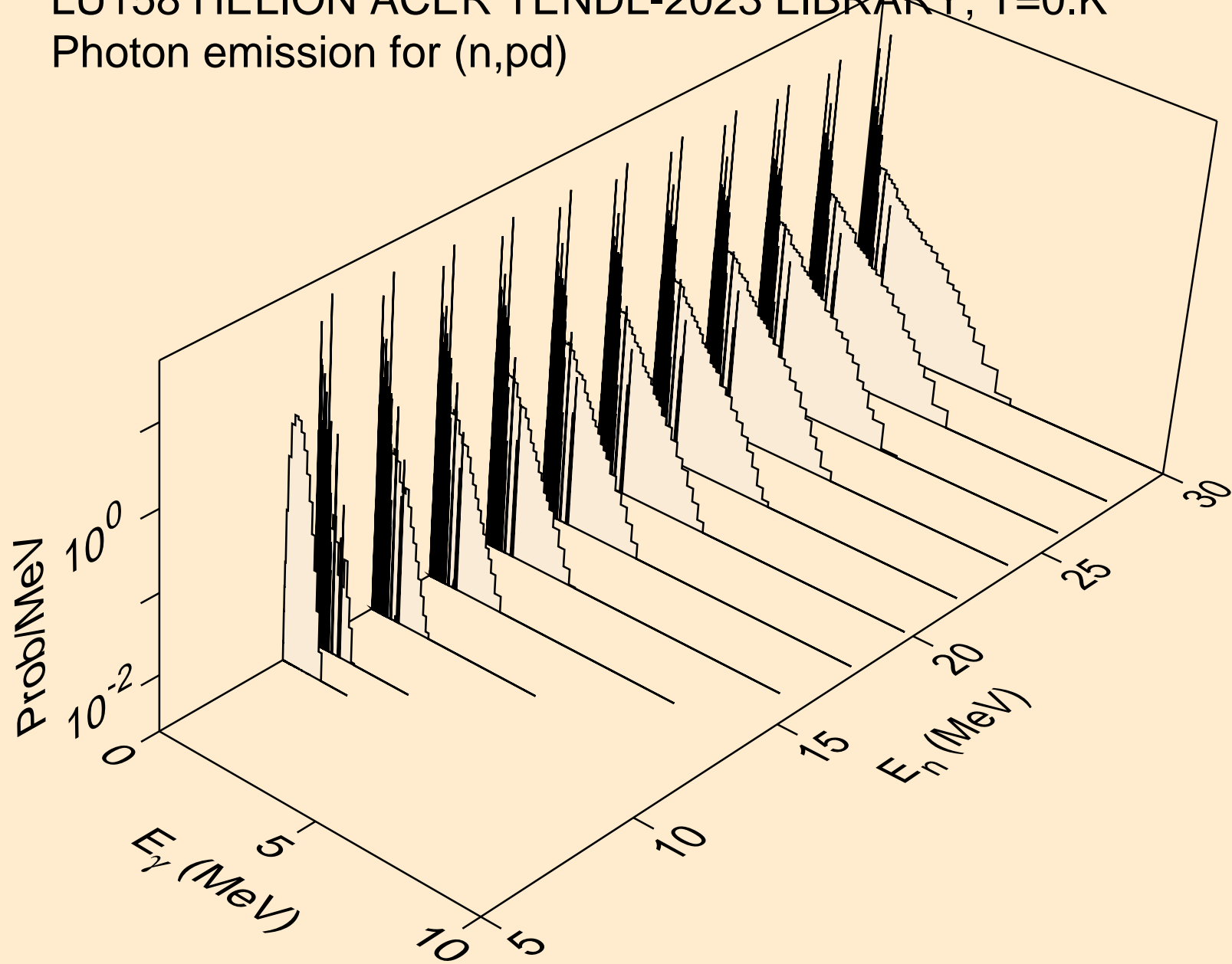




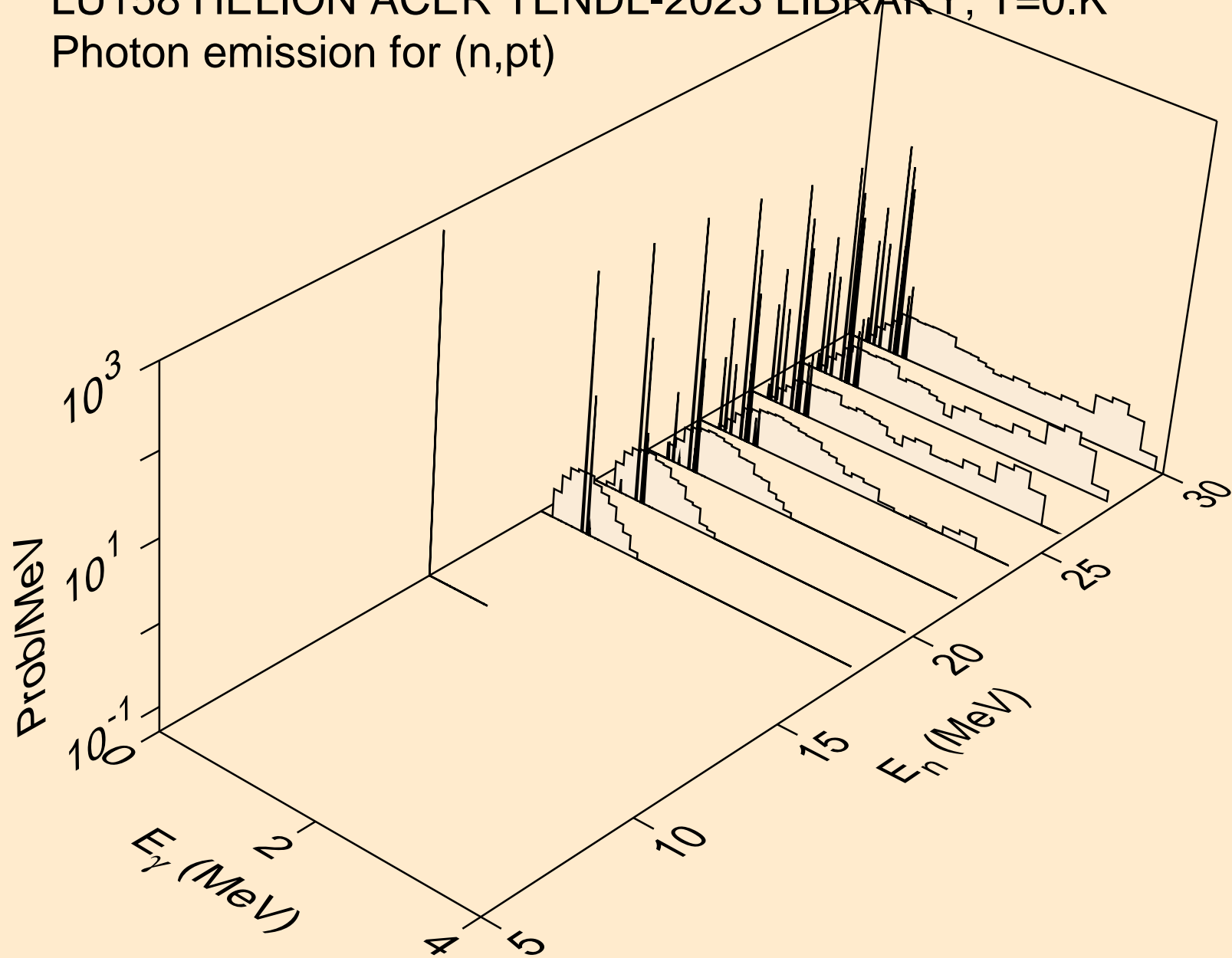
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Photon emission for (n,d2a)



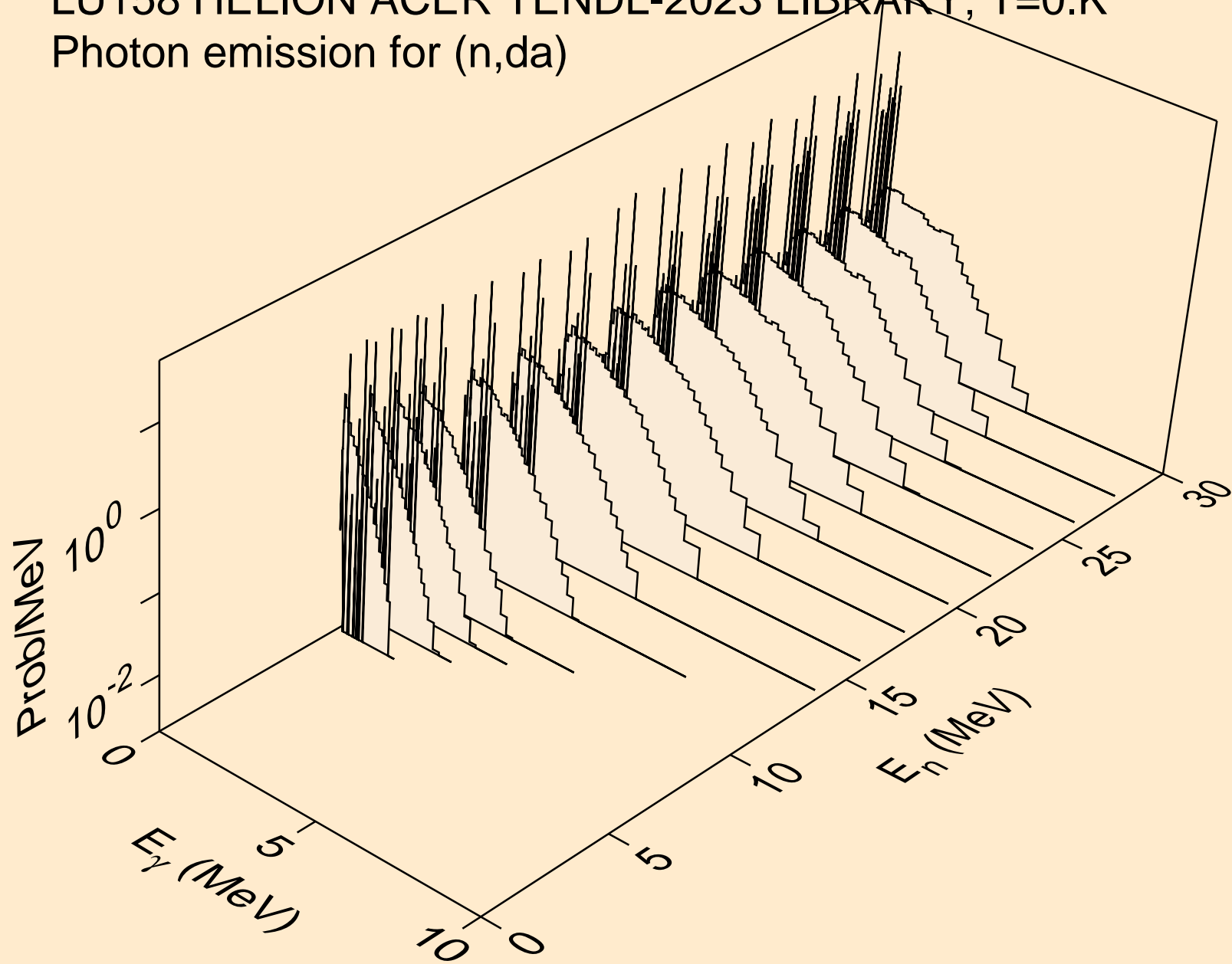
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Photon emission for (n,pd)



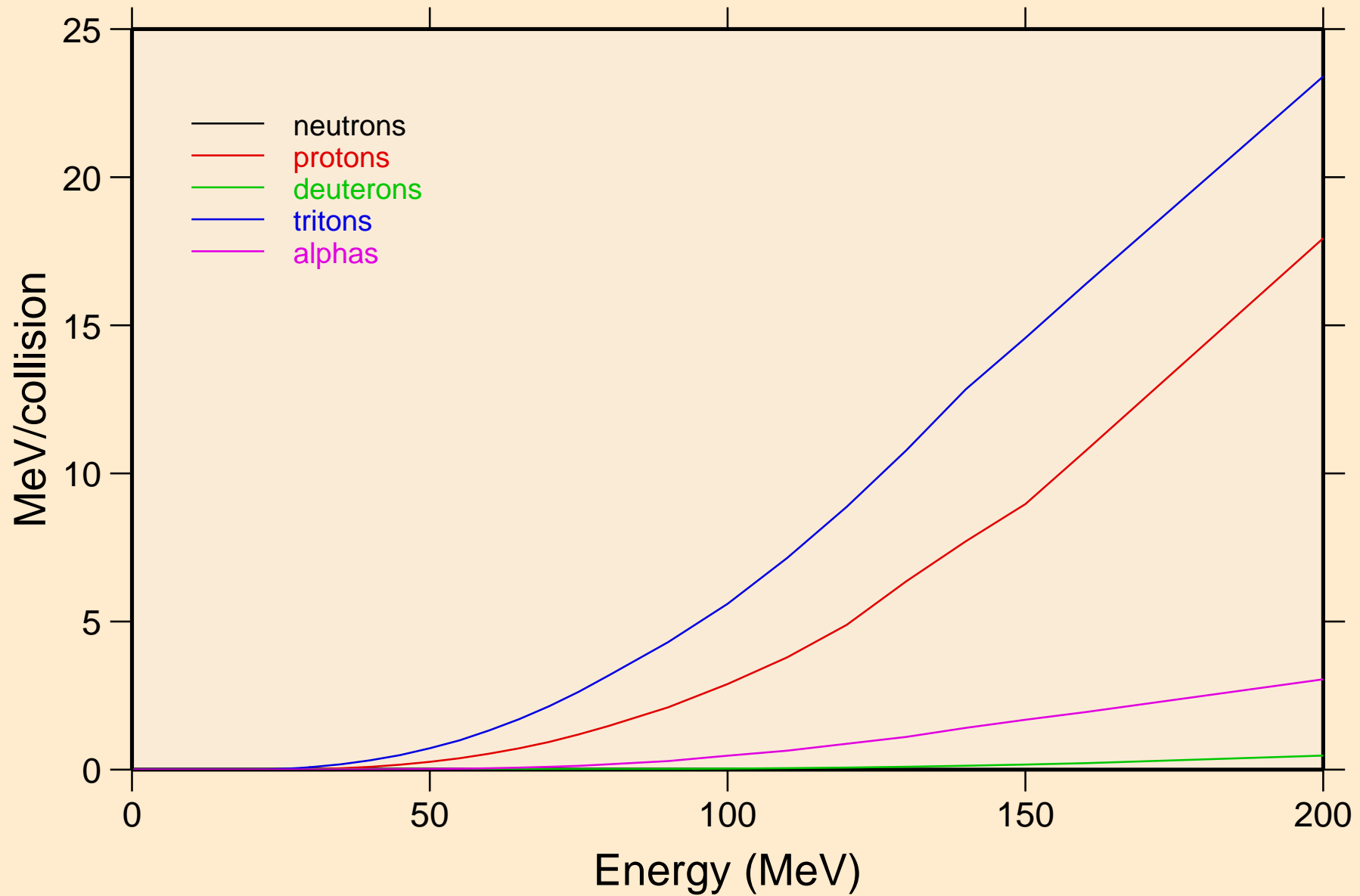
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Photon emission for (n,pt)



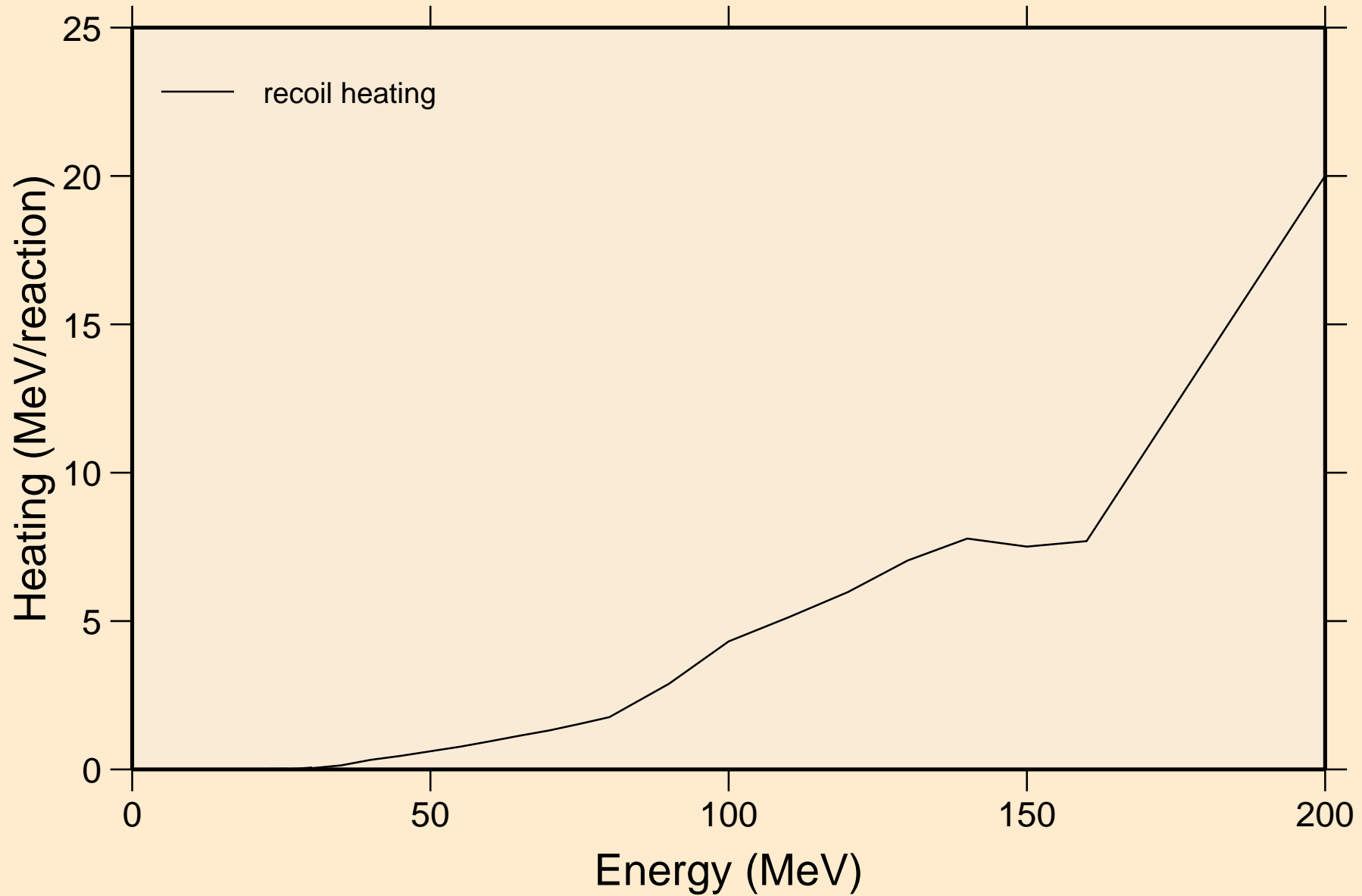
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Photon emission for (n,da)



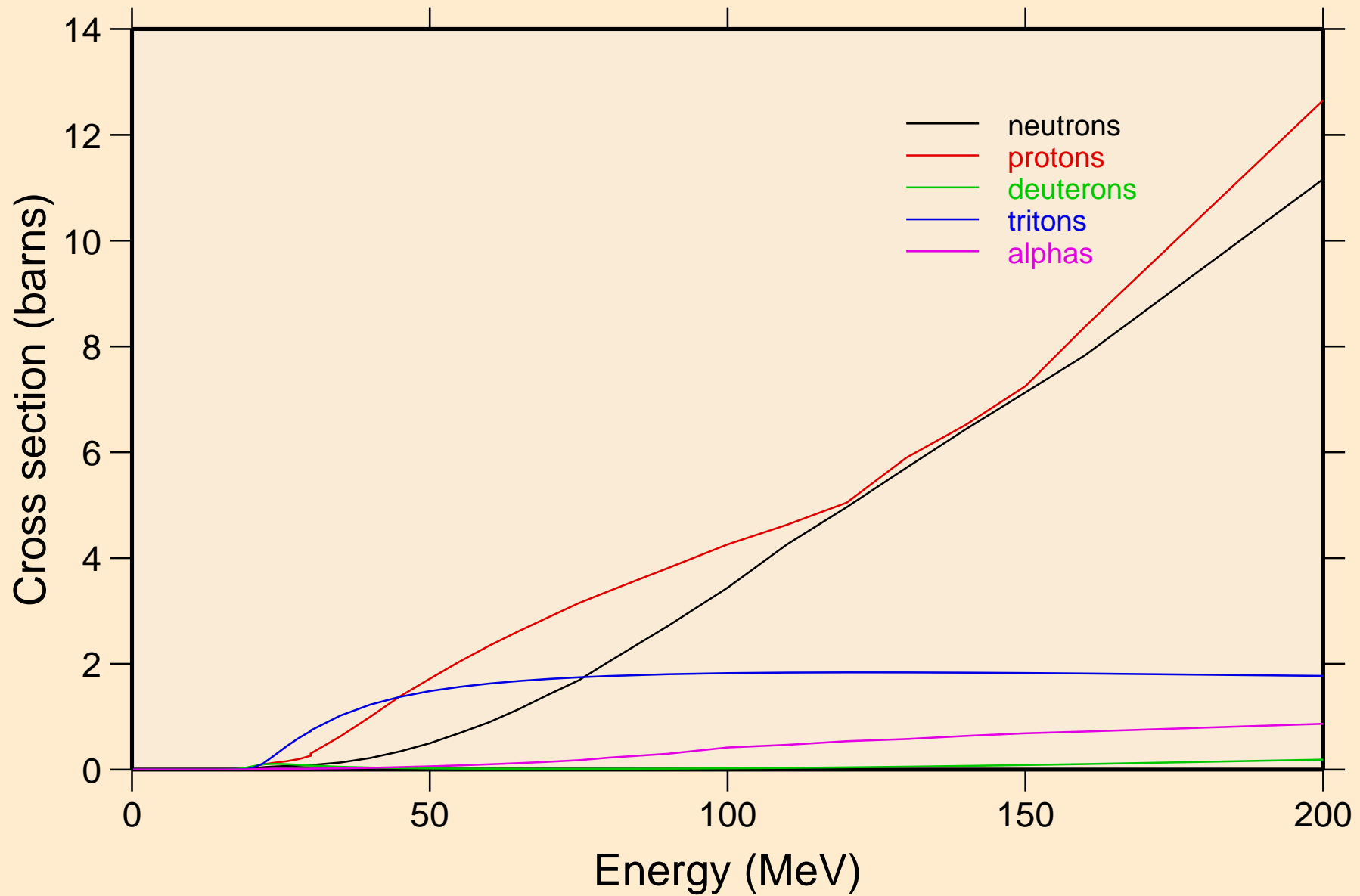
LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions



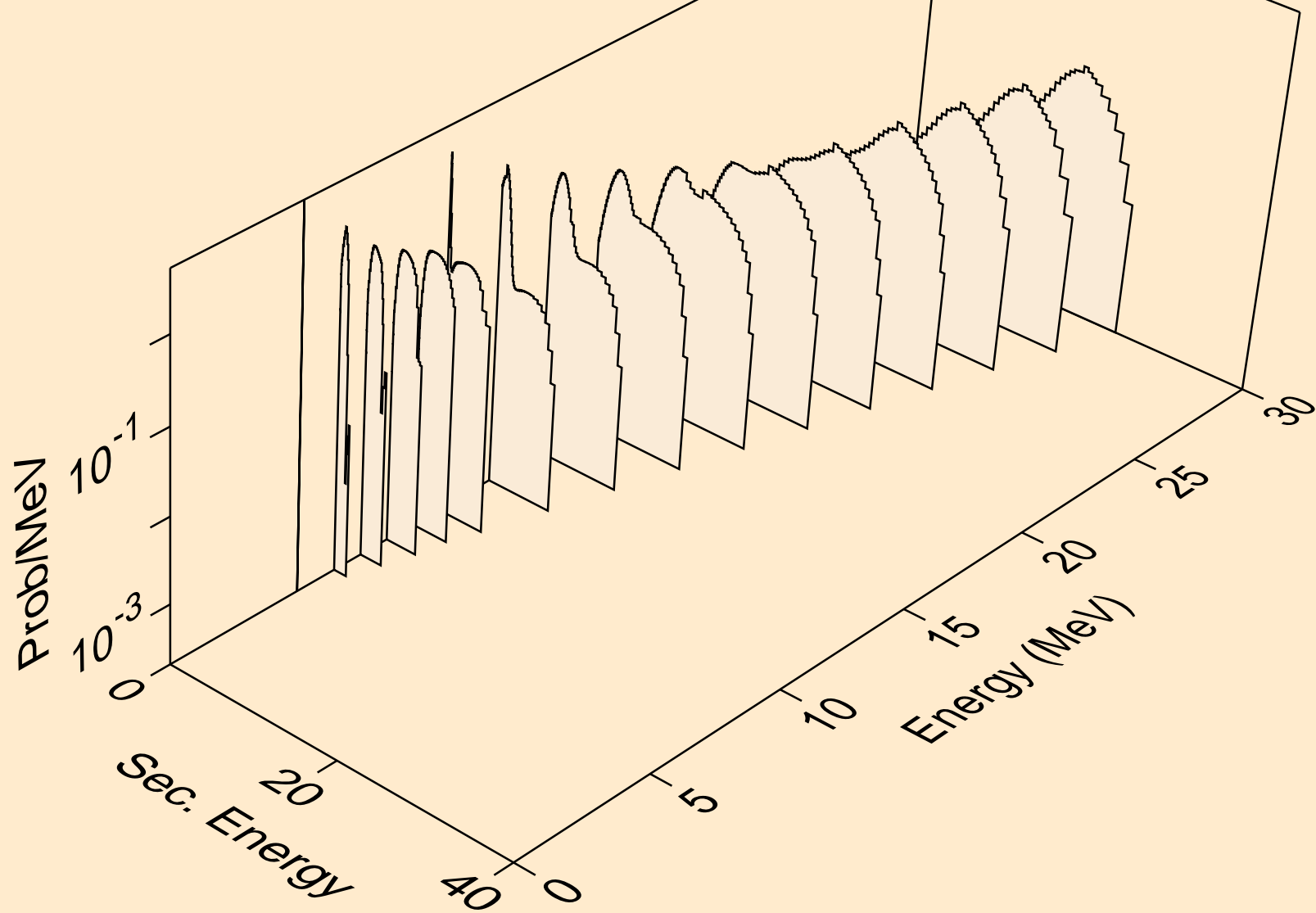
LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections

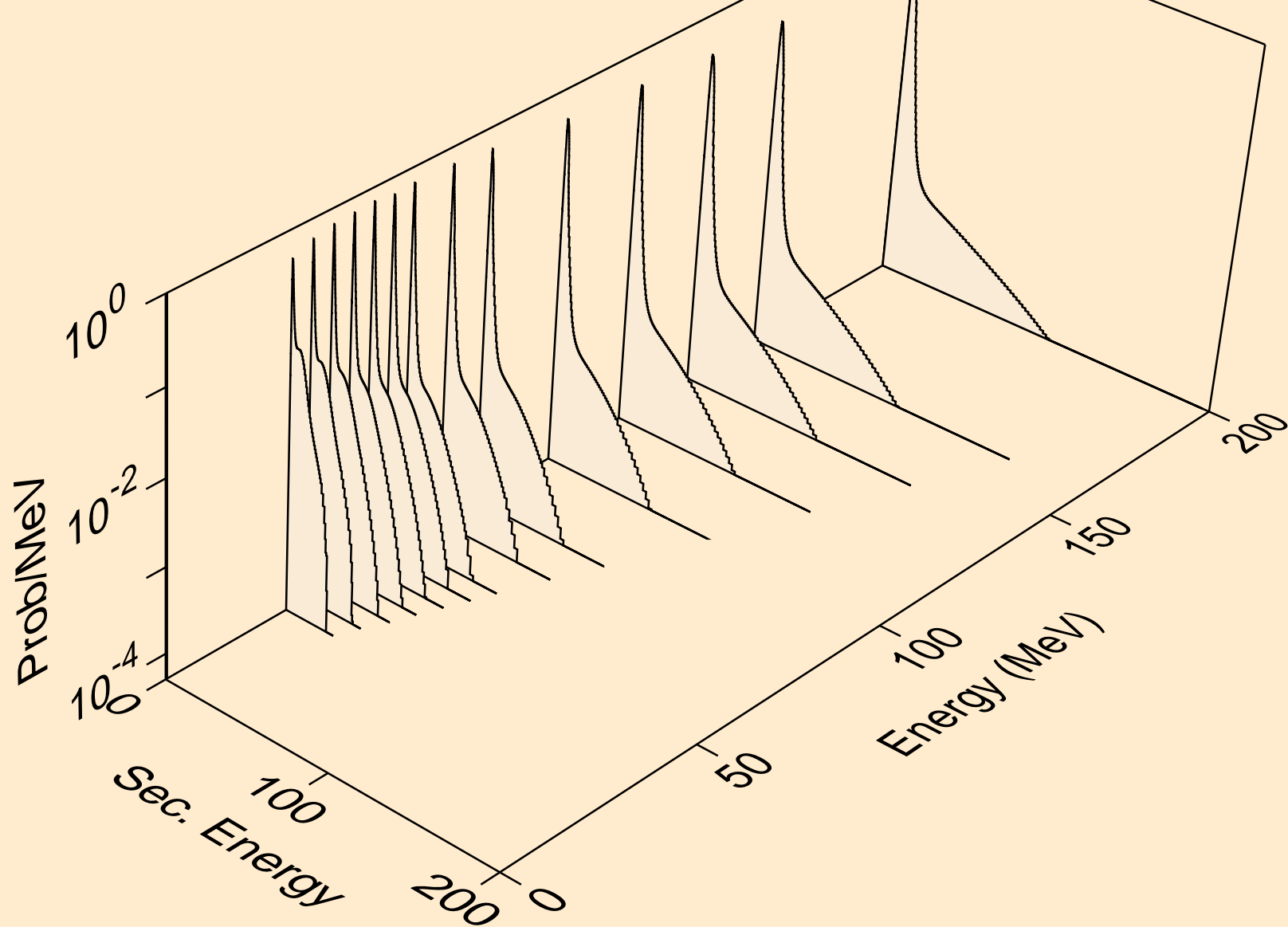


LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n)

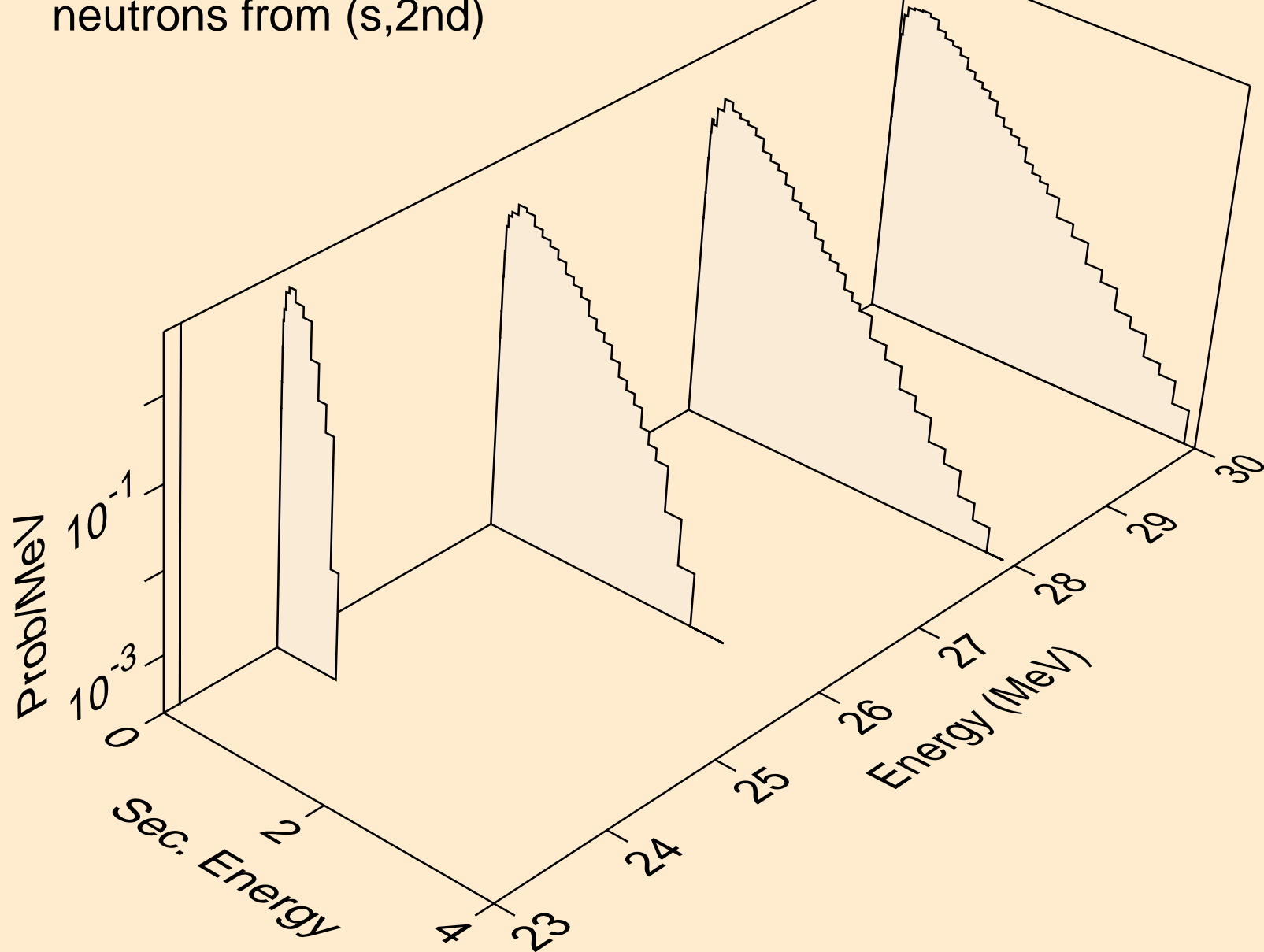




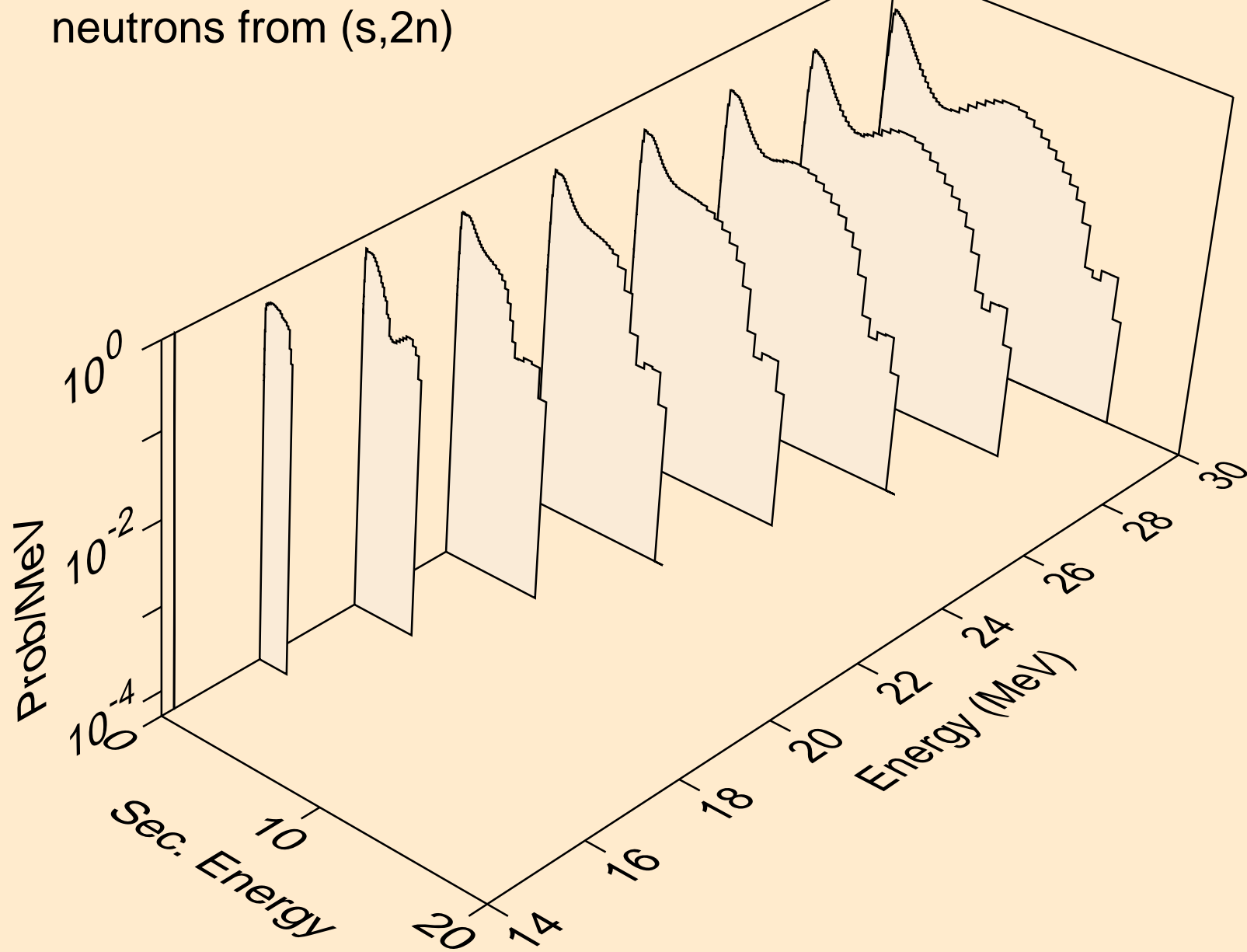
LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,x)



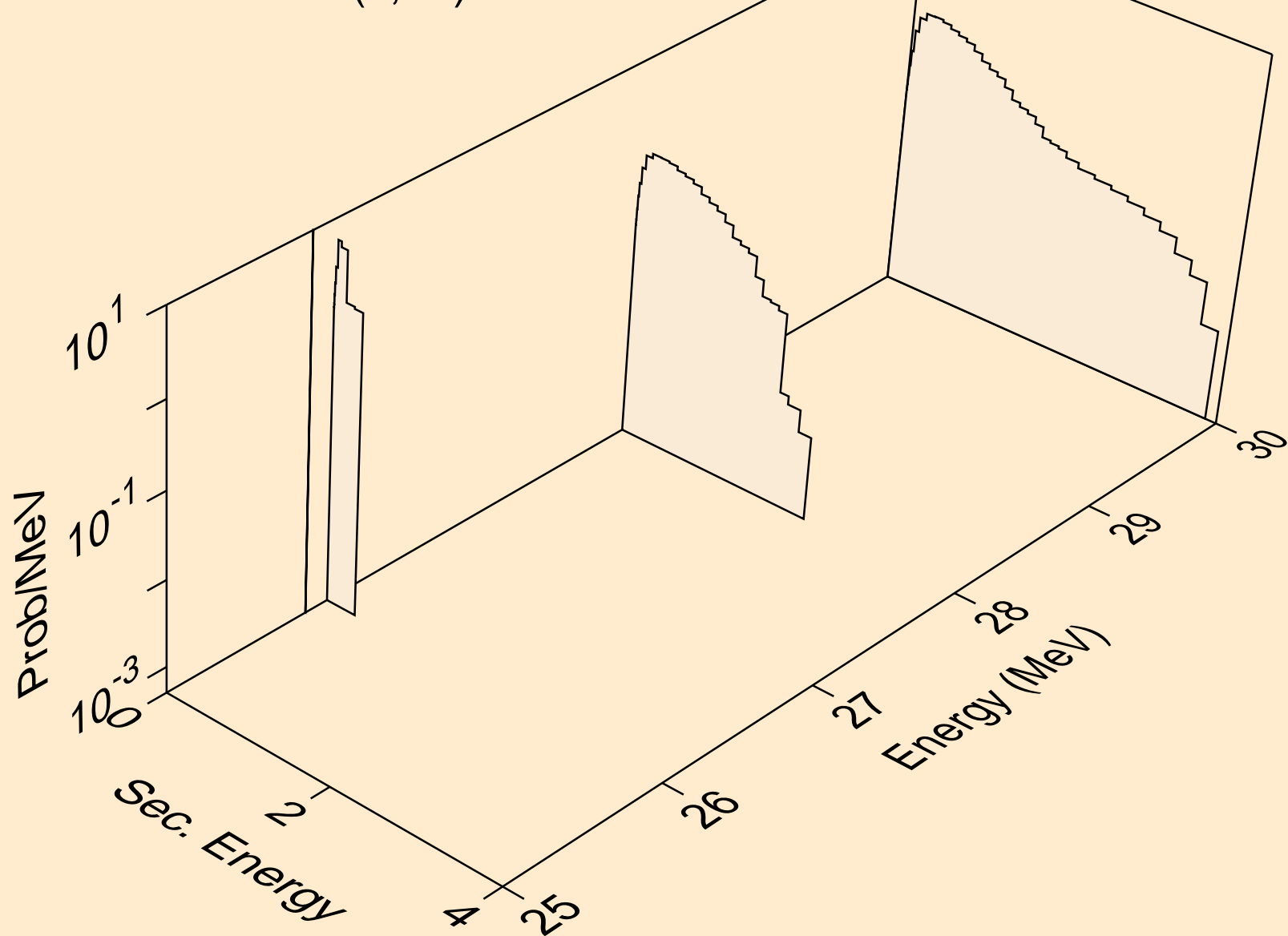
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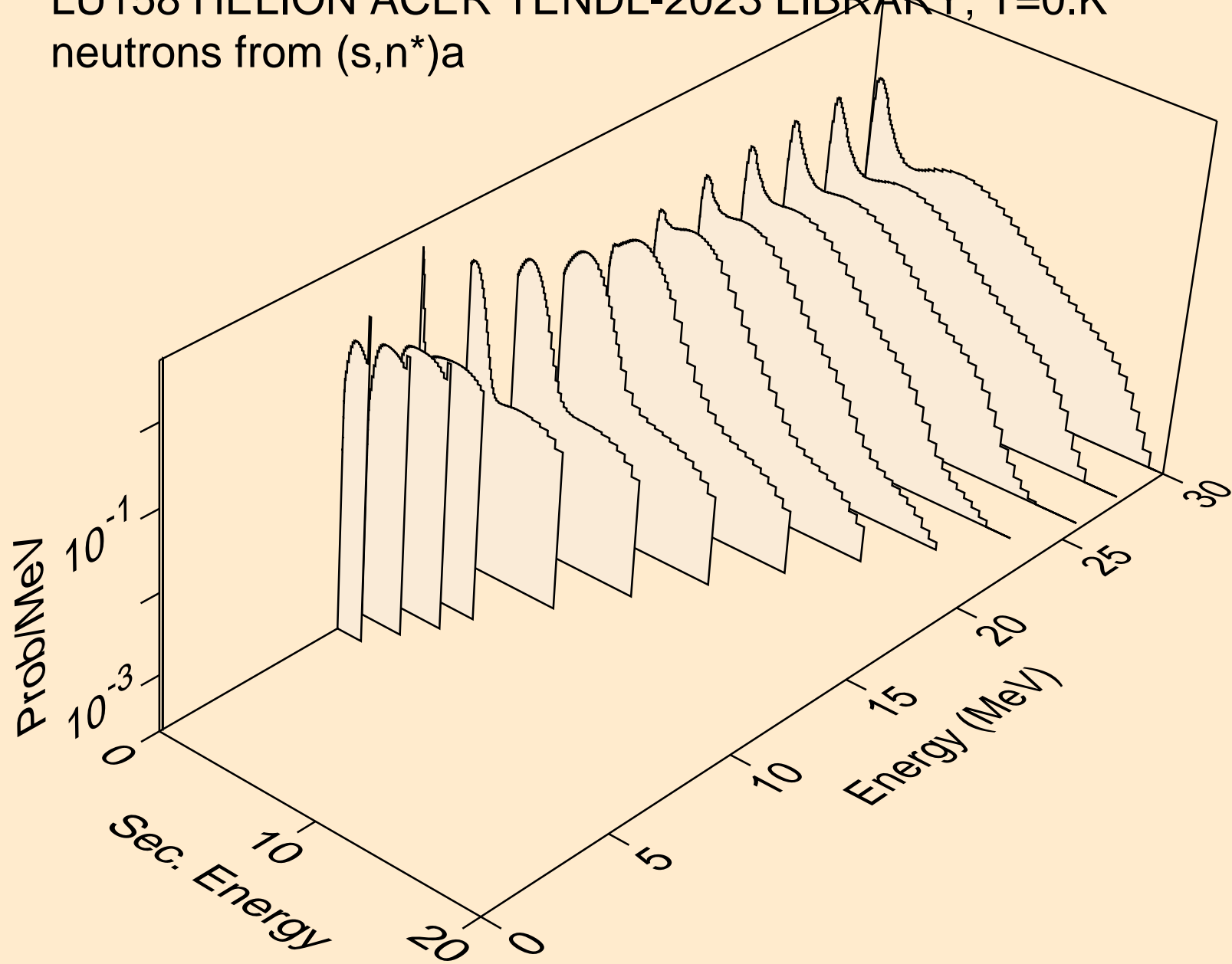
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neutrons from (s,2n)



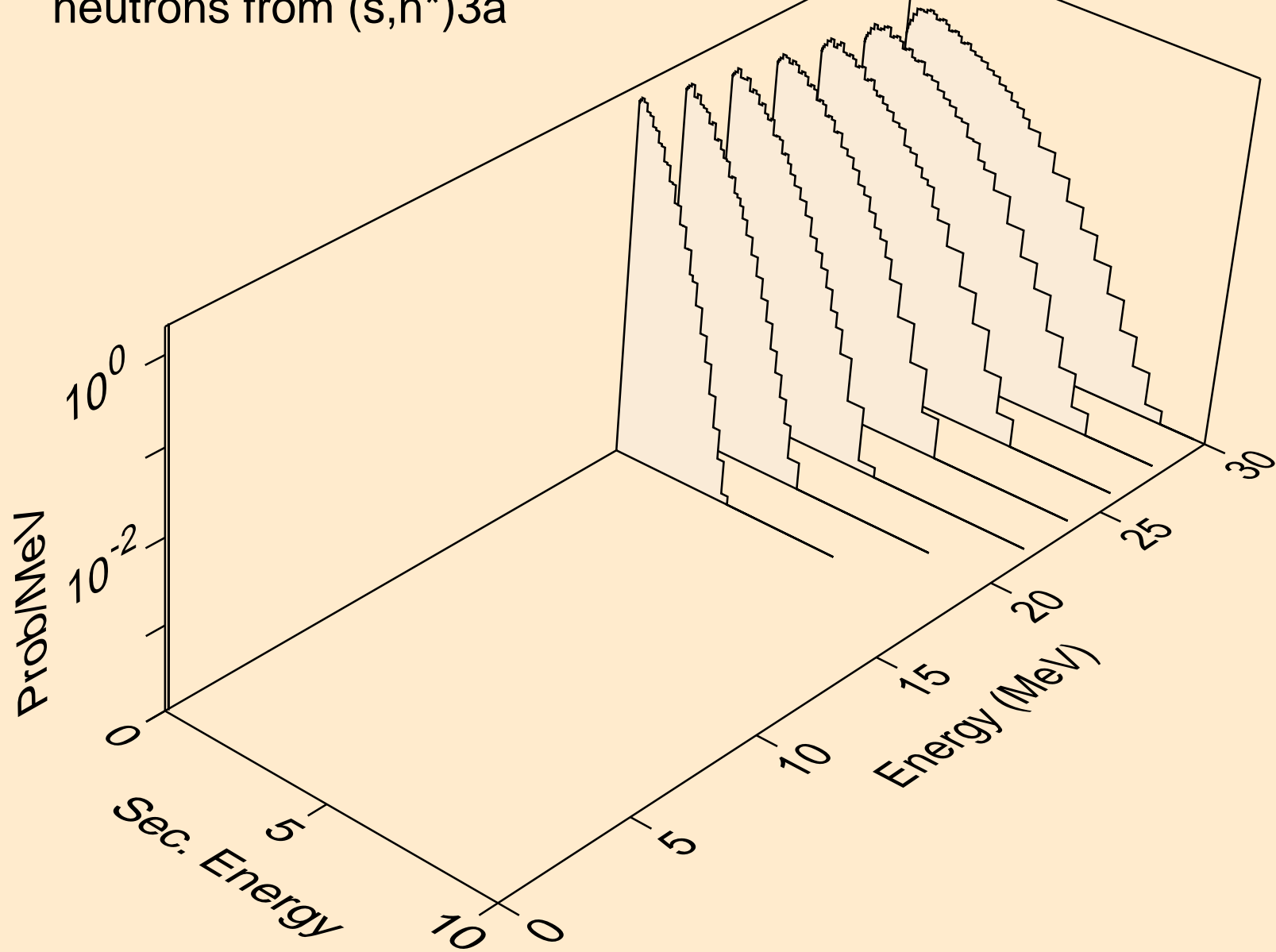
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neutrons from (s,3n)



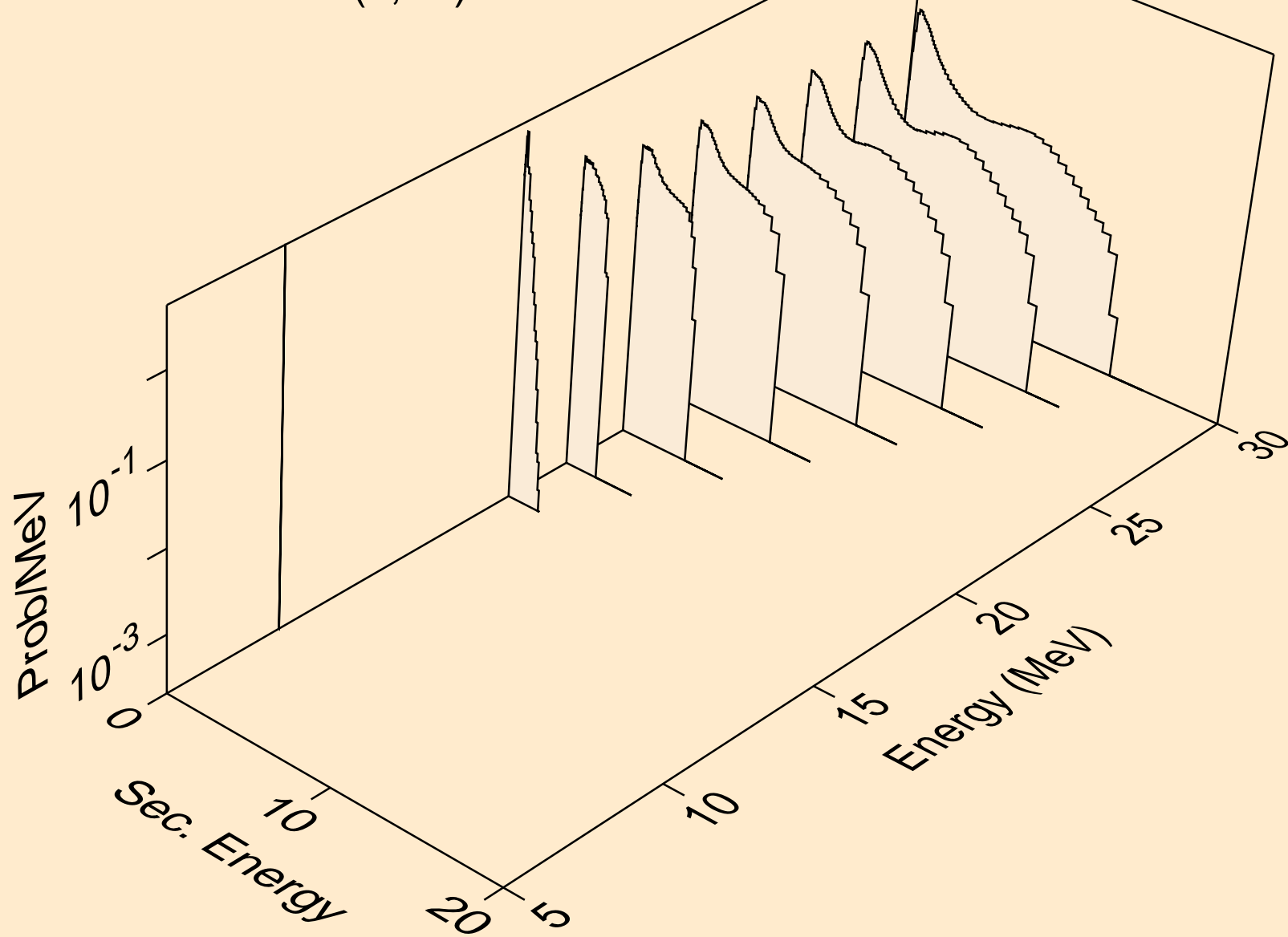
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neutrons from (s,n\*)a



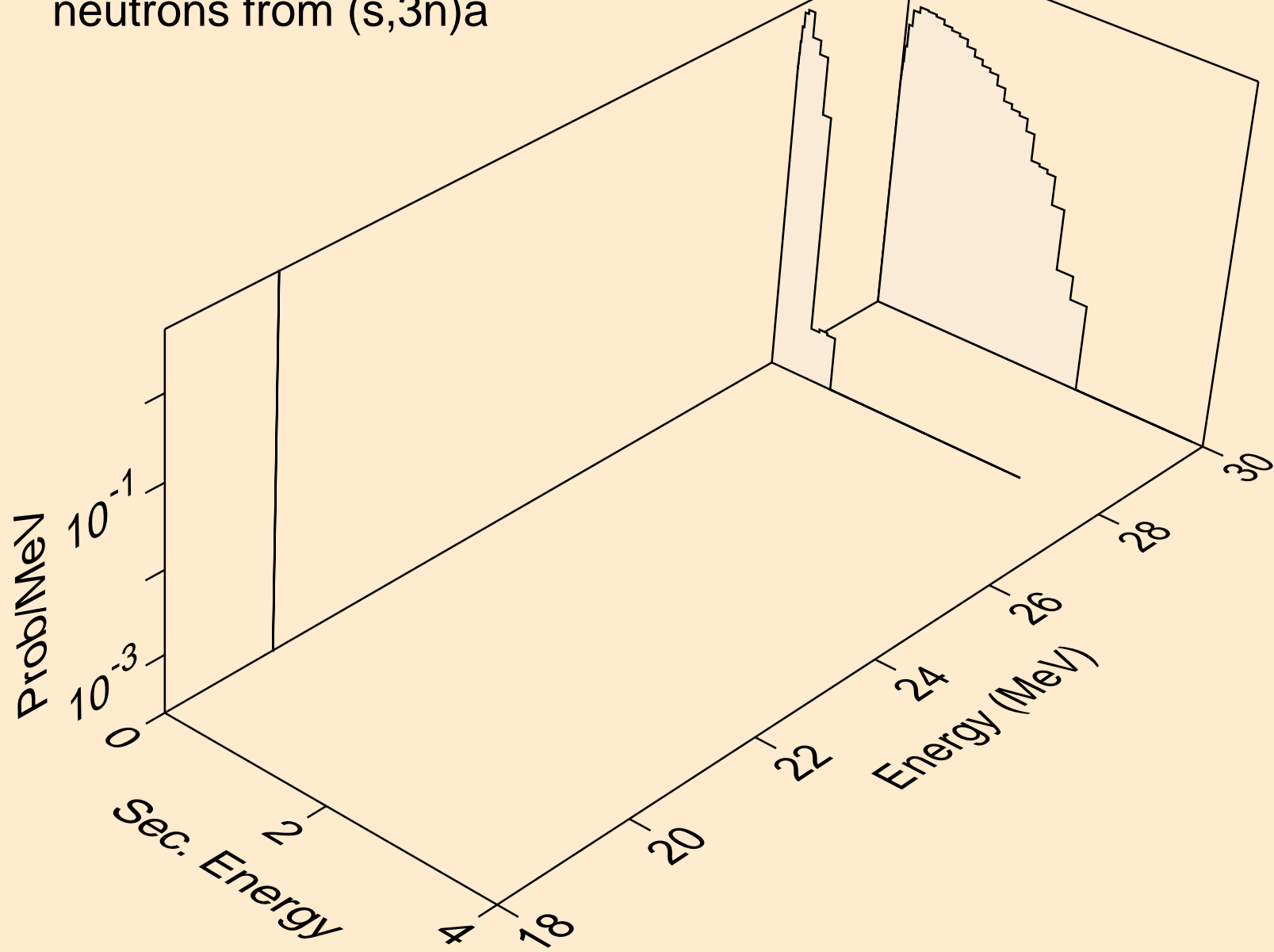
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neutrons from (s,n\*)3a



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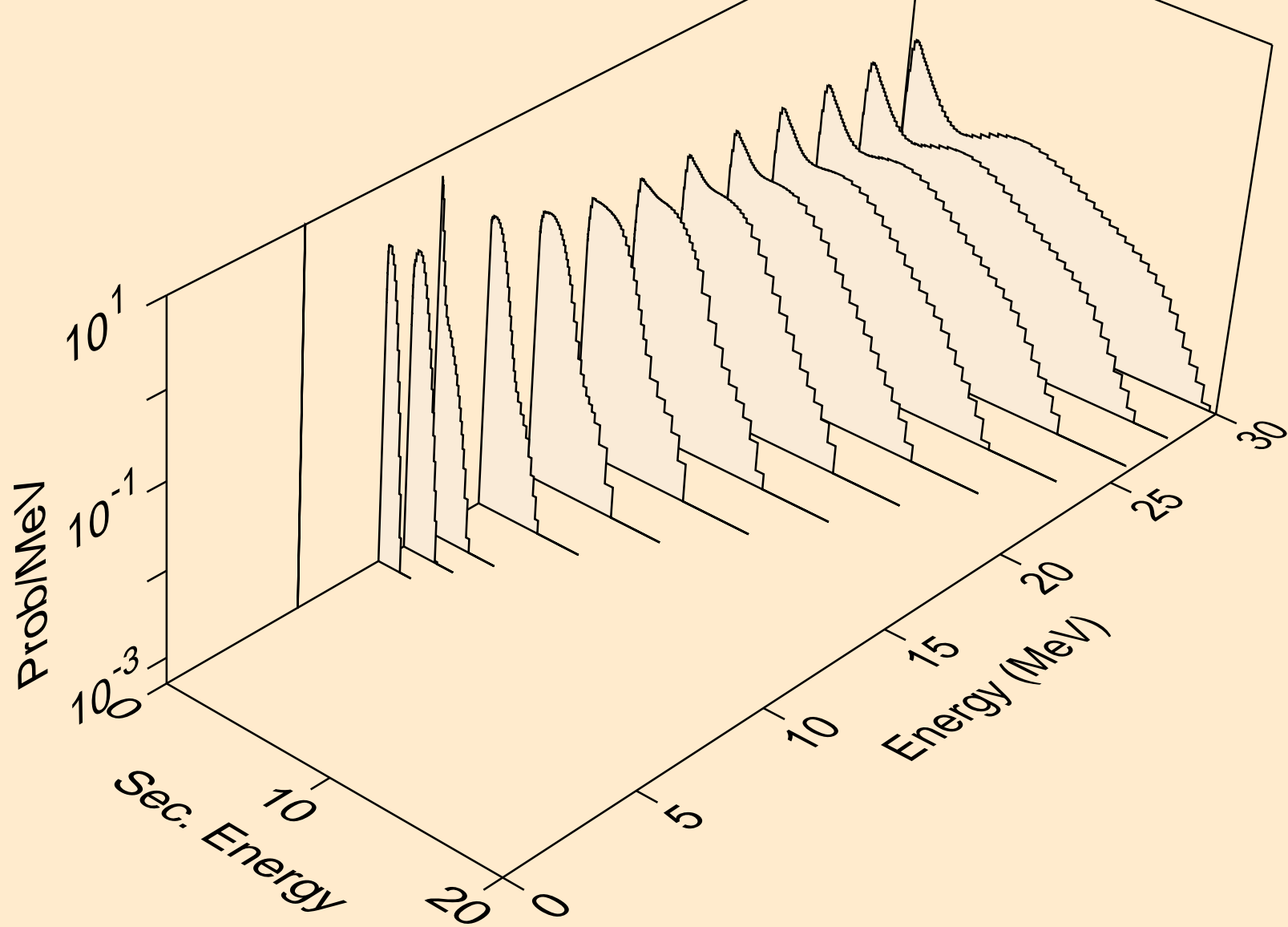


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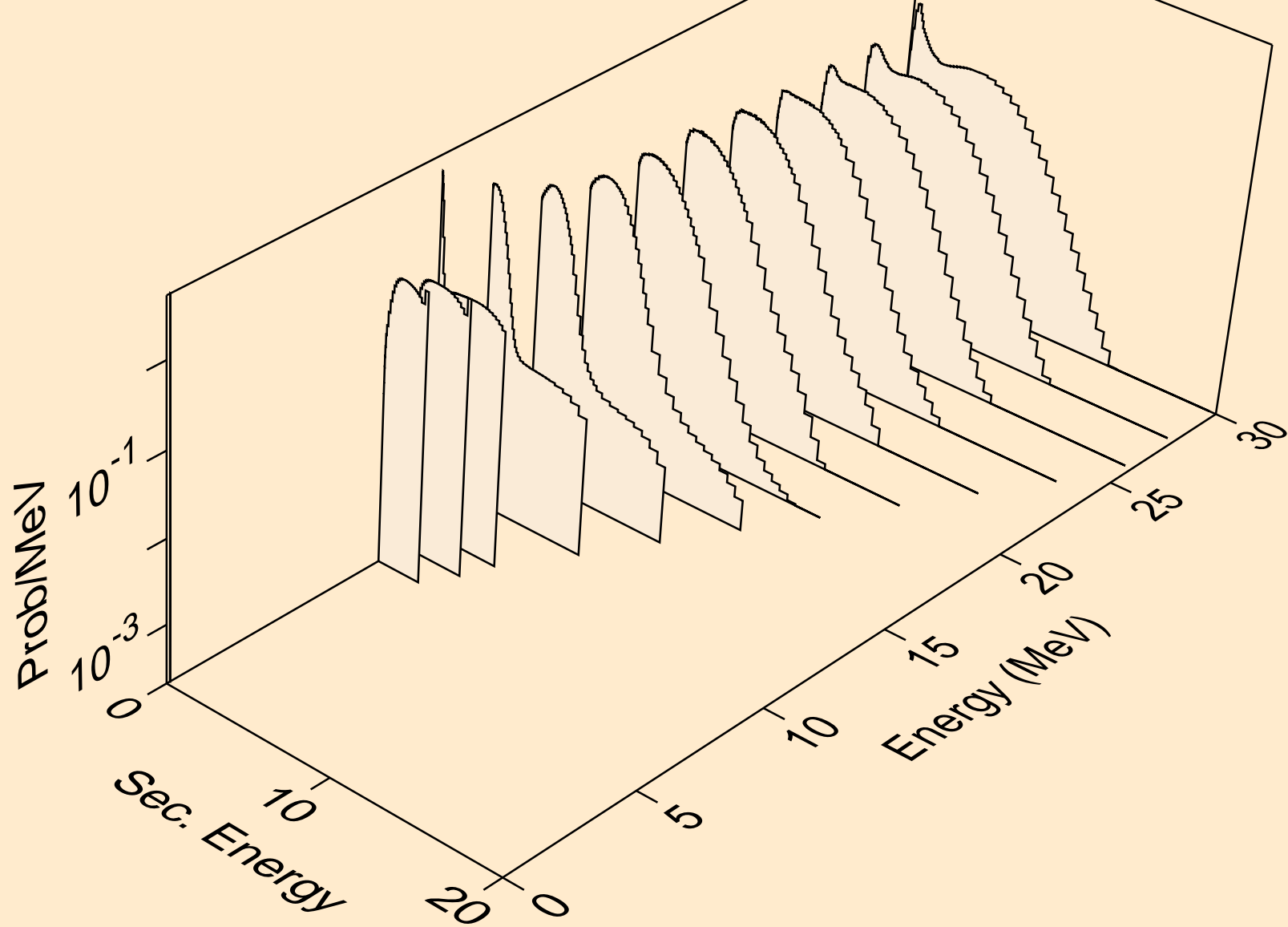




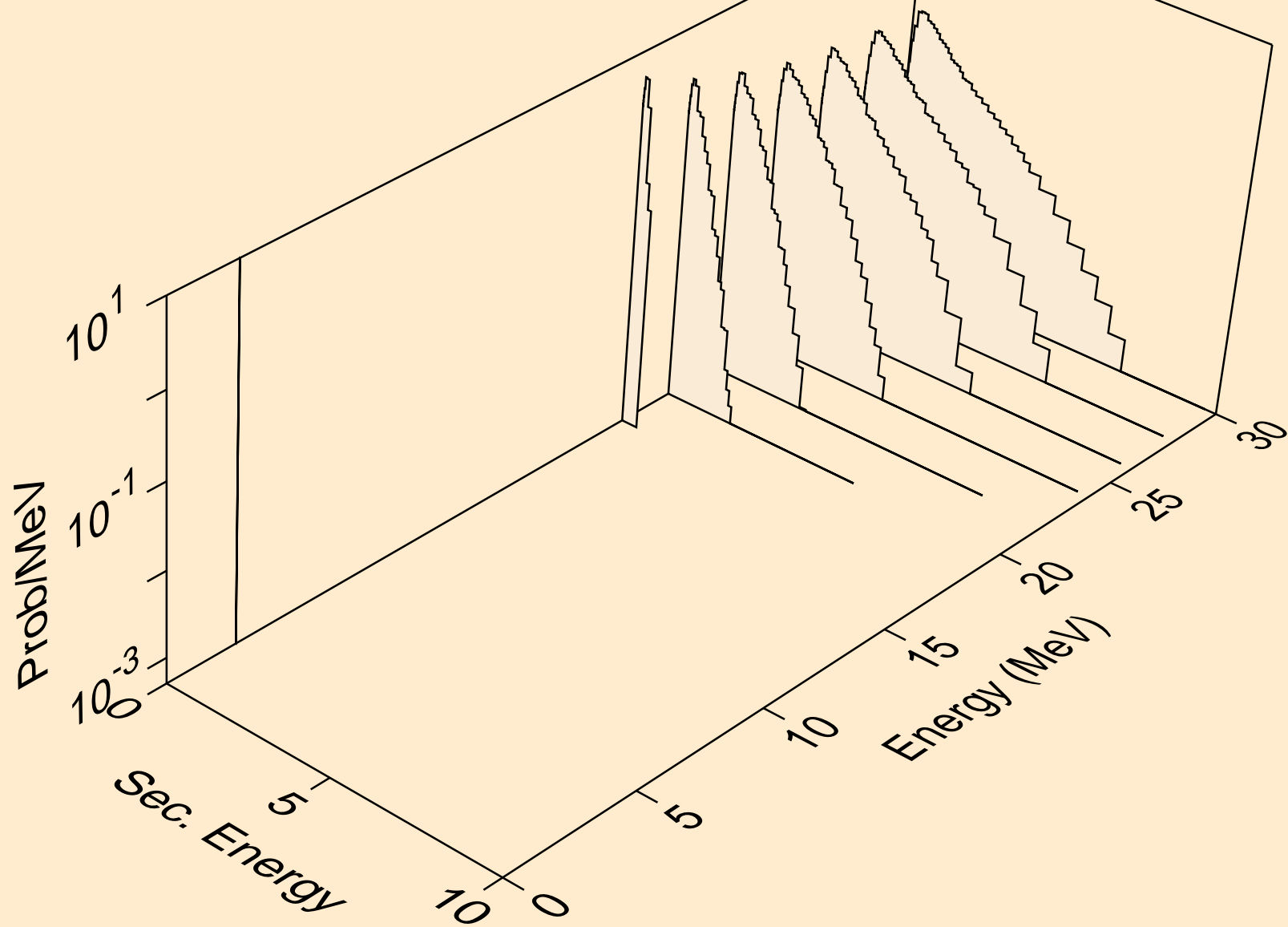
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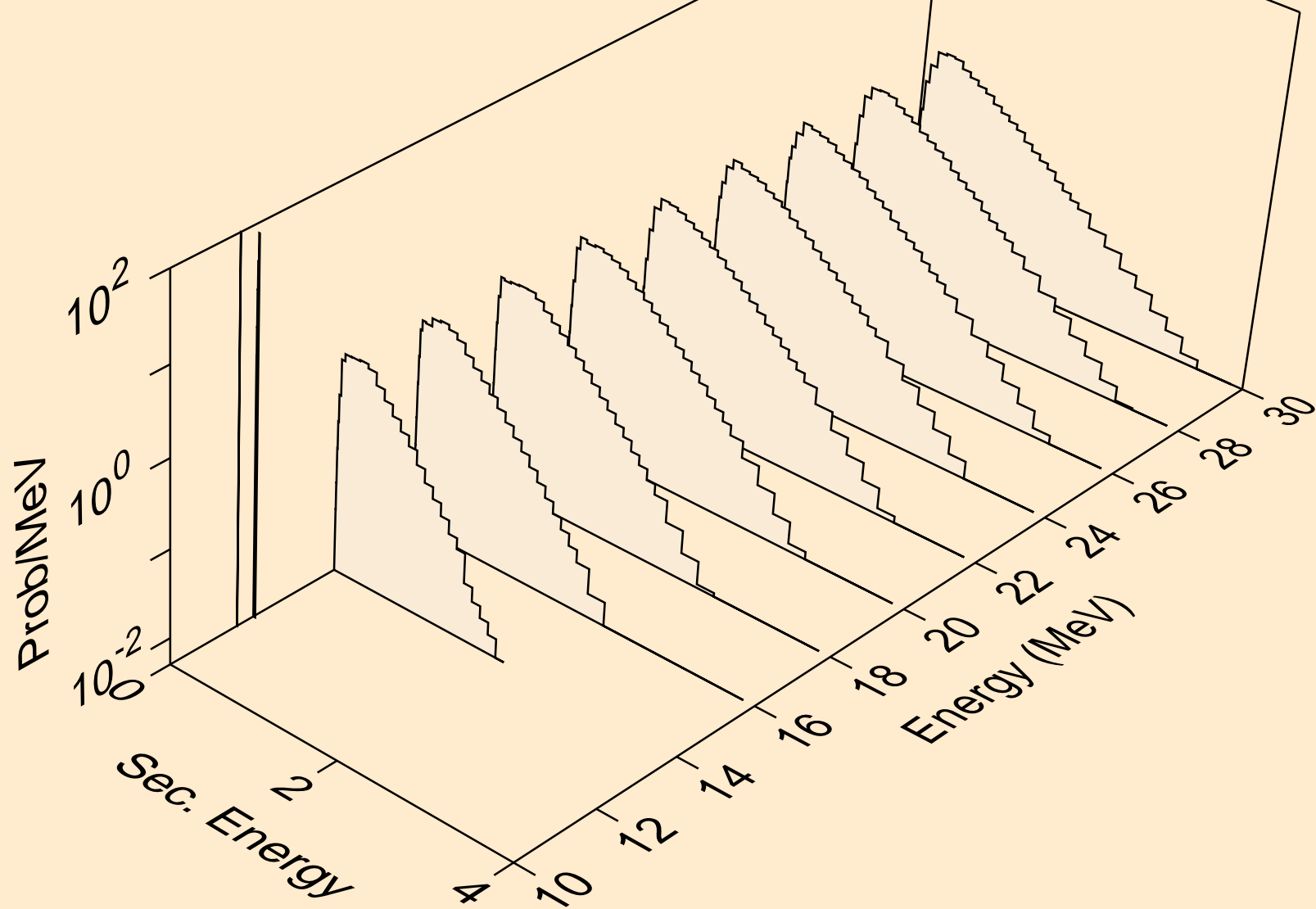
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neutrons from (s,n\*)2a



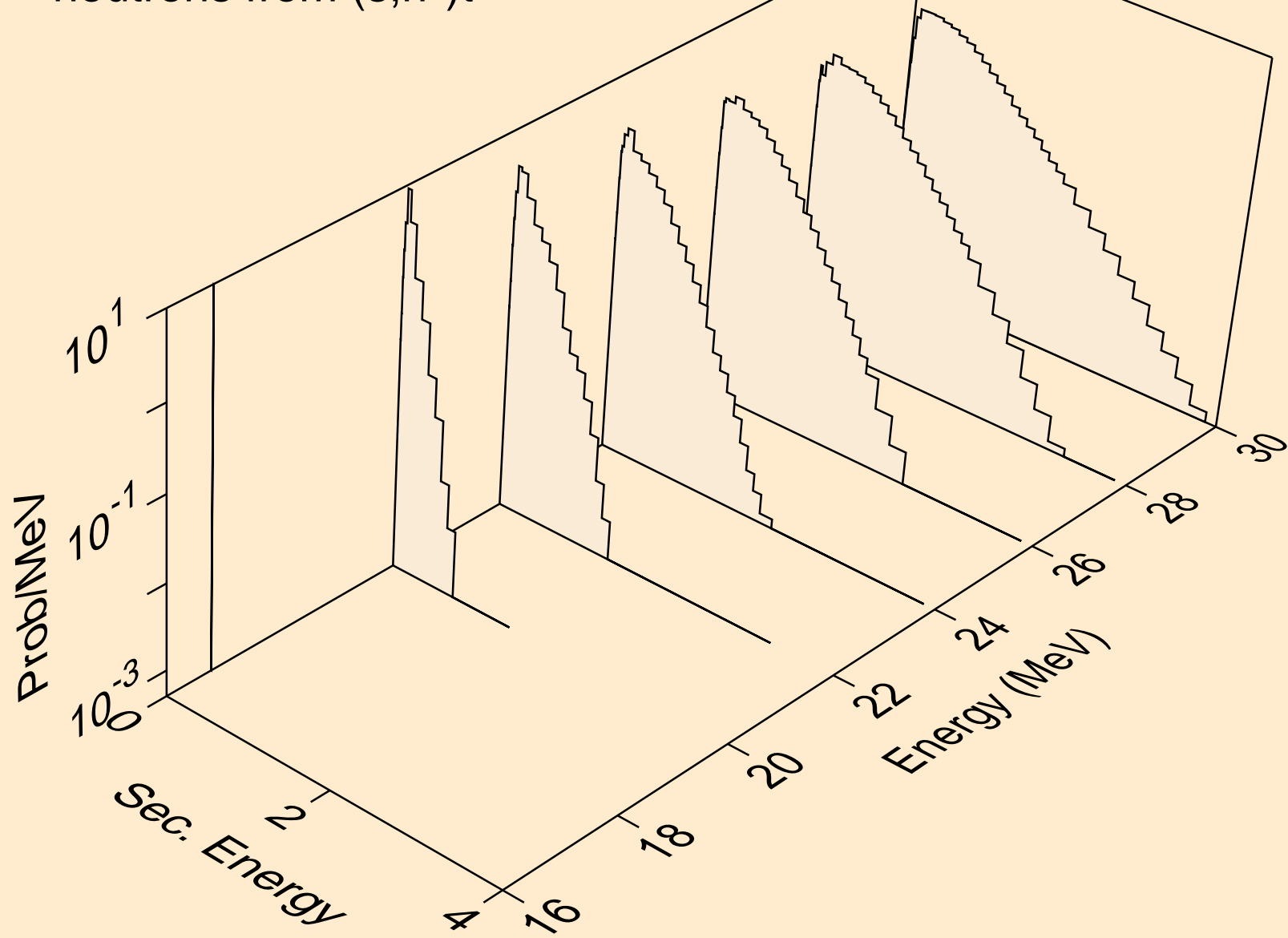
LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2n)2a



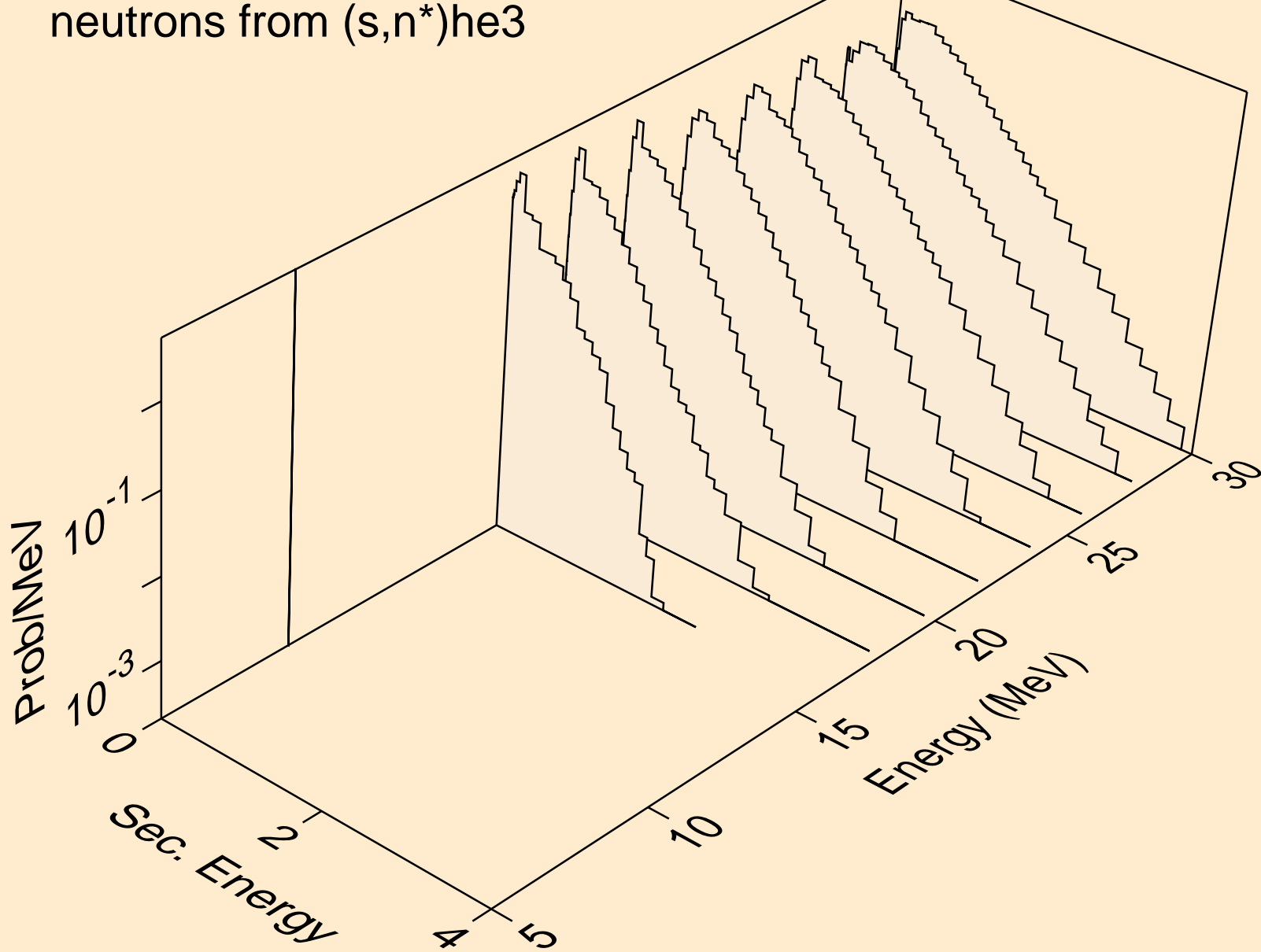
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neutrons from (s,n\*)d



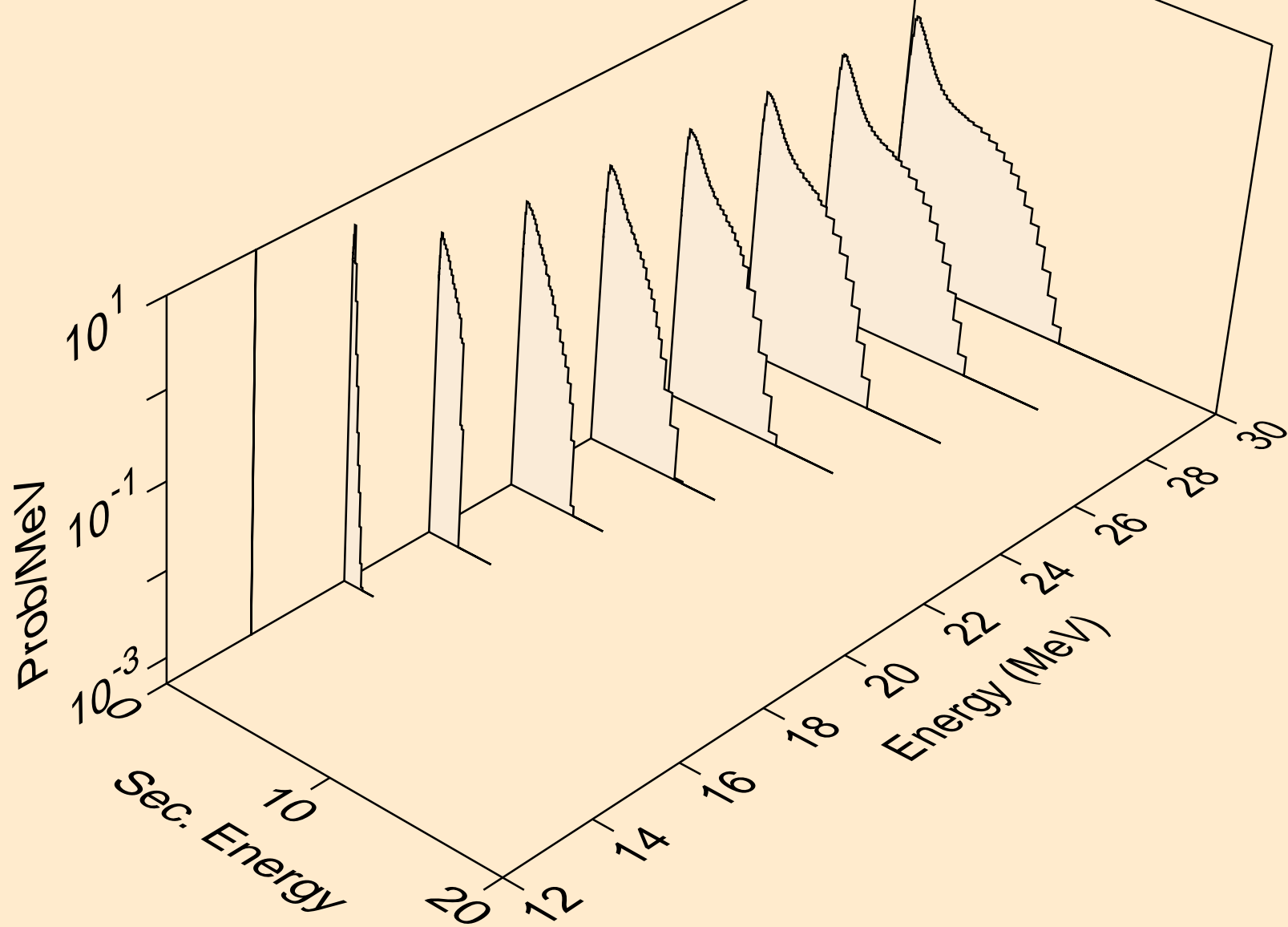
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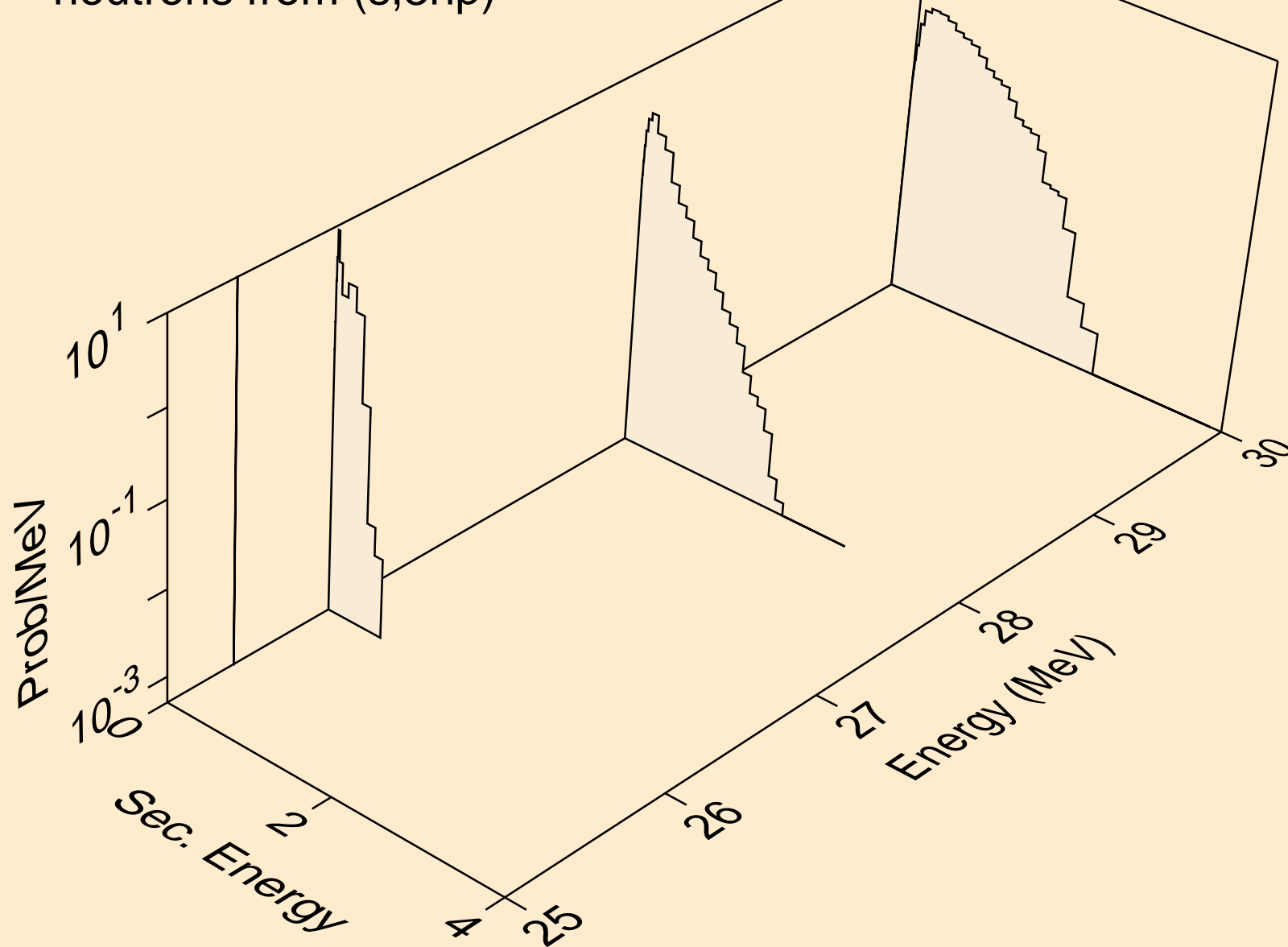
LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,n\*)he3



LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (s,2np)

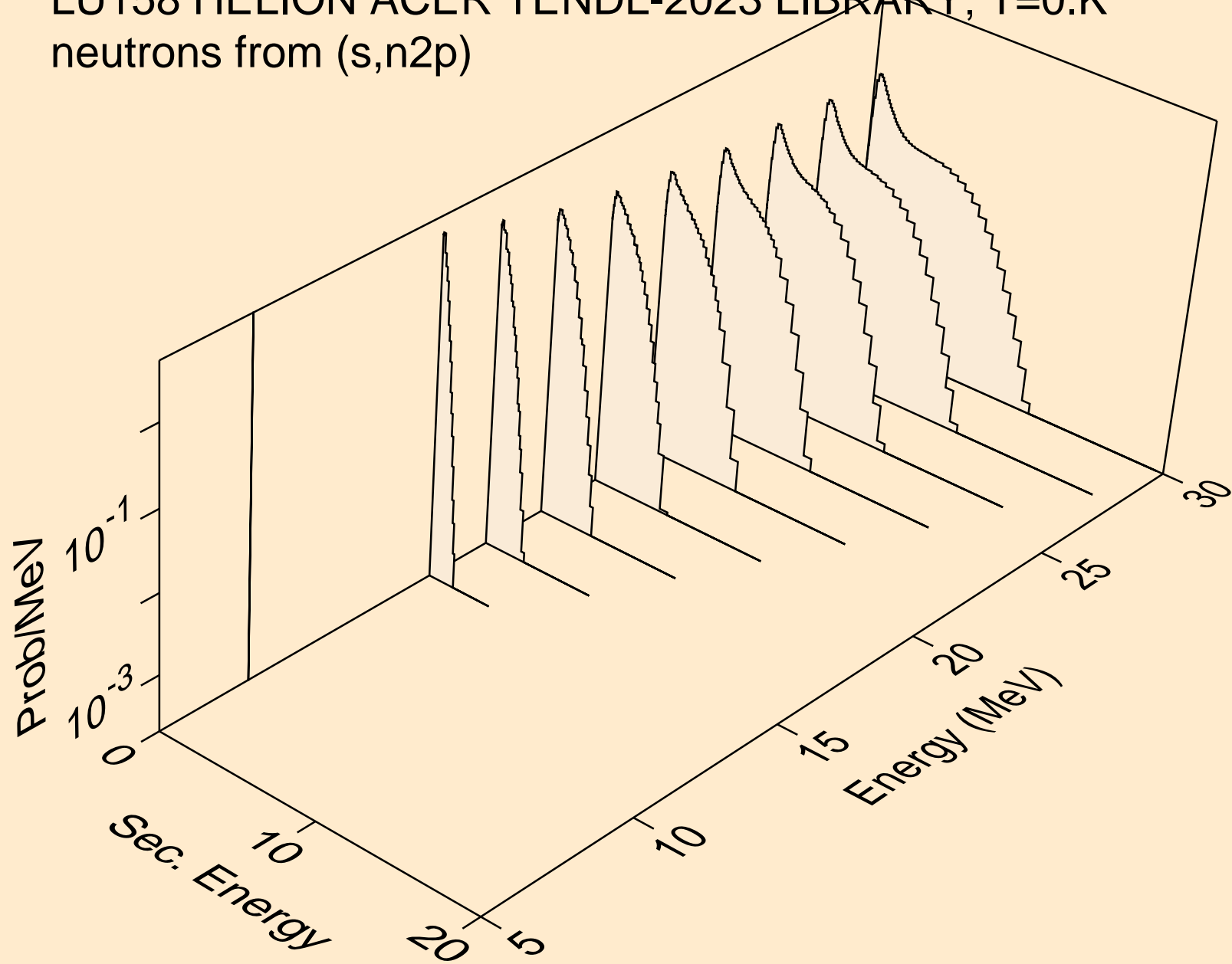


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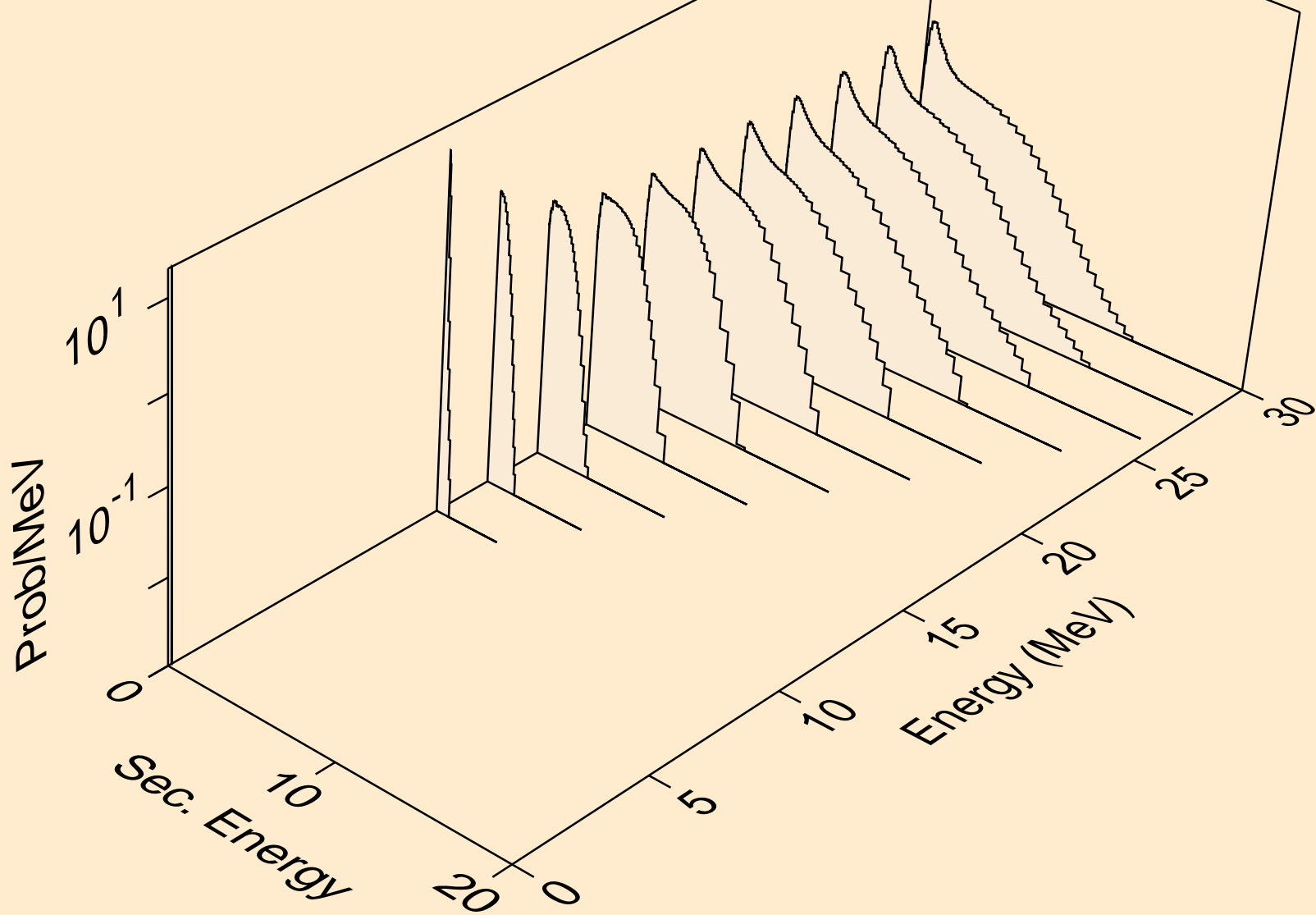




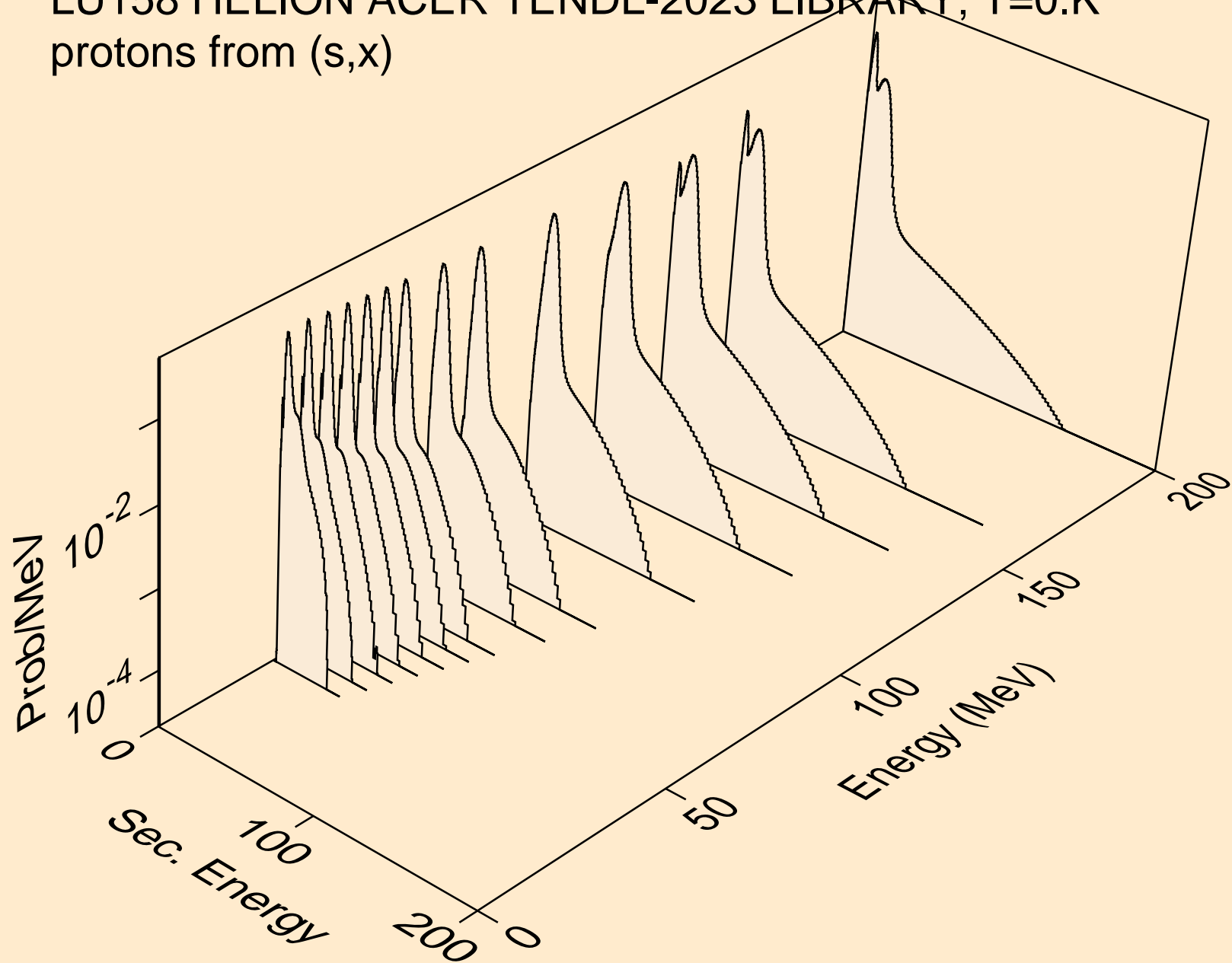
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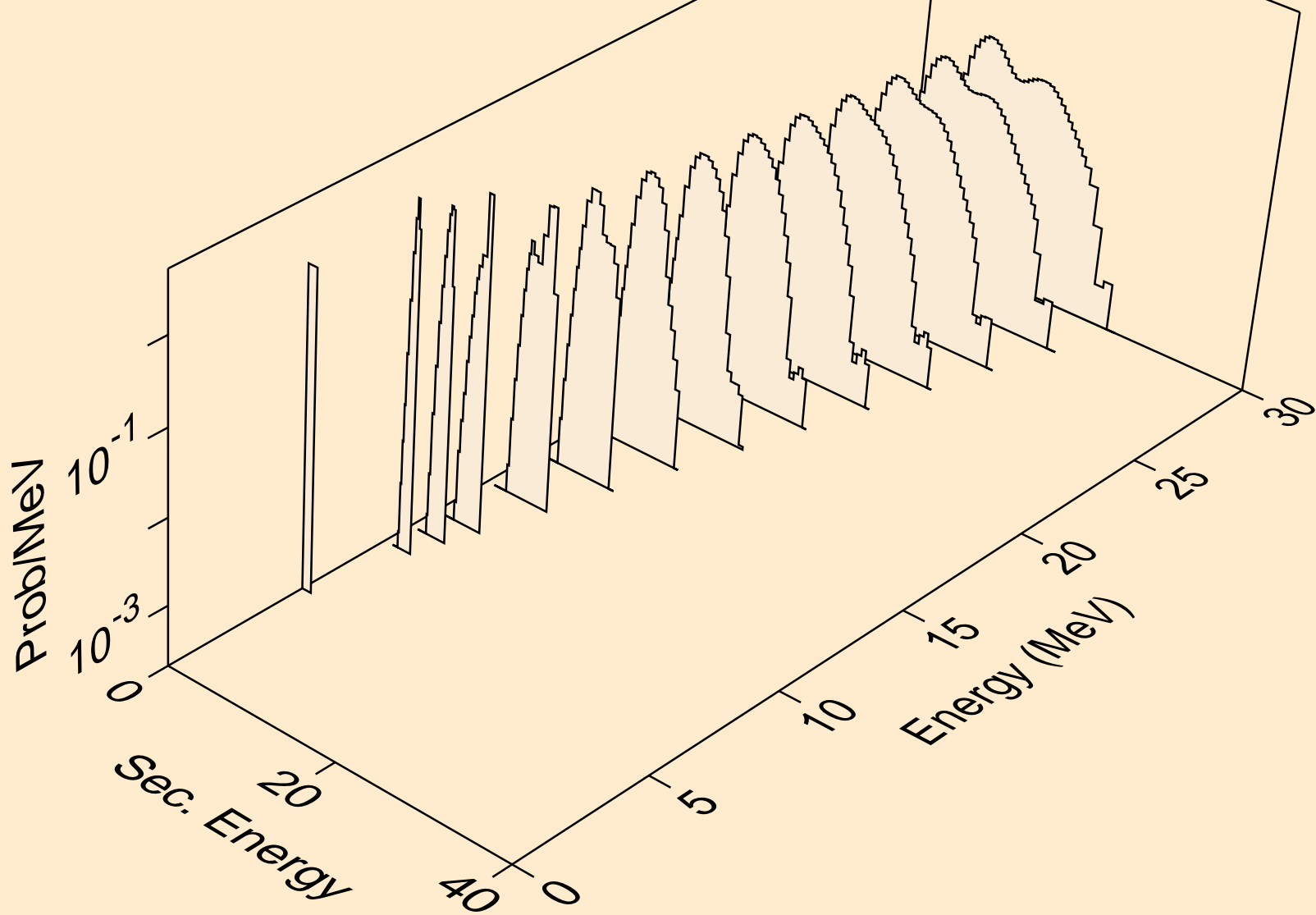
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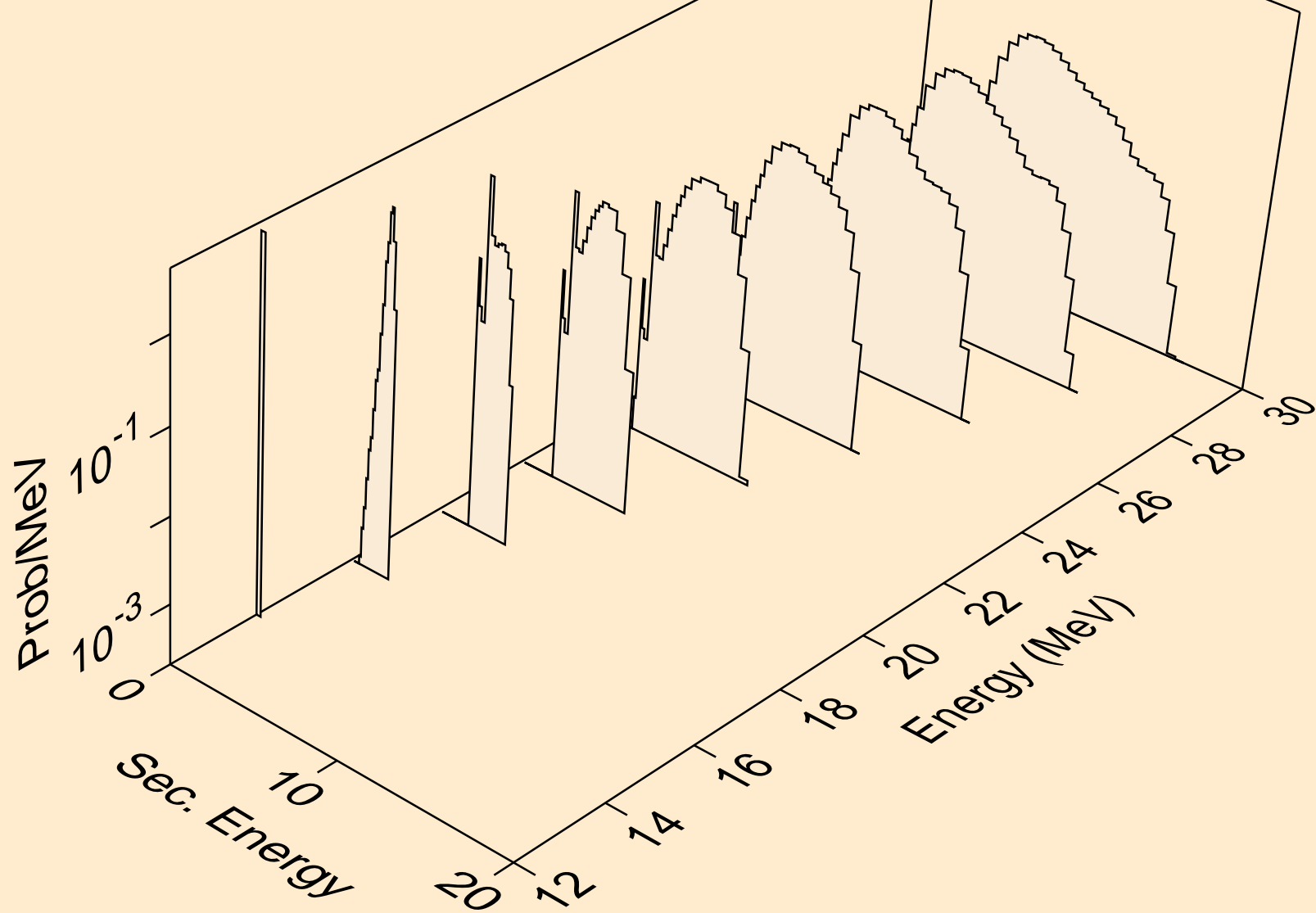
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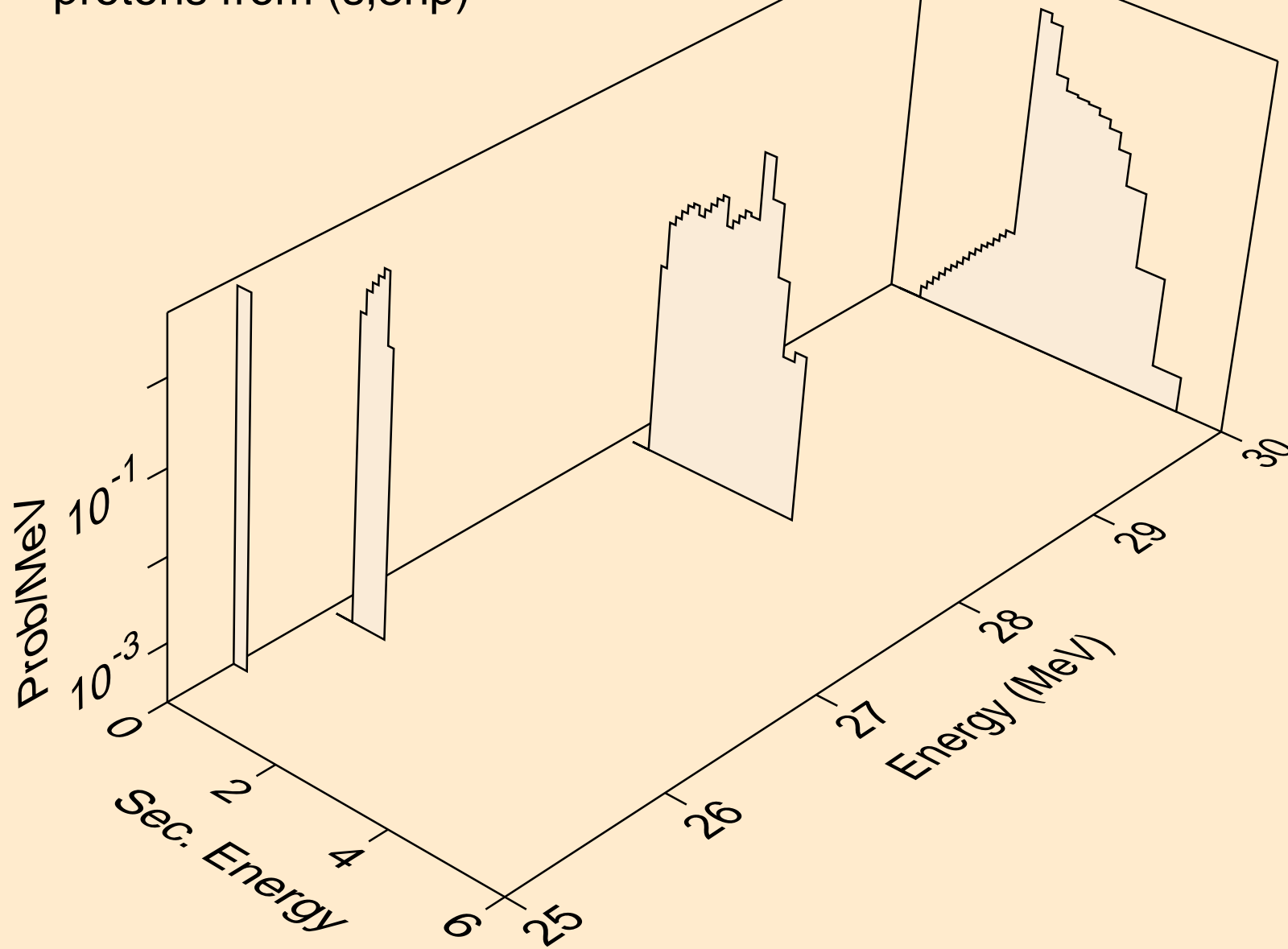
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protons from (s,n\*)p



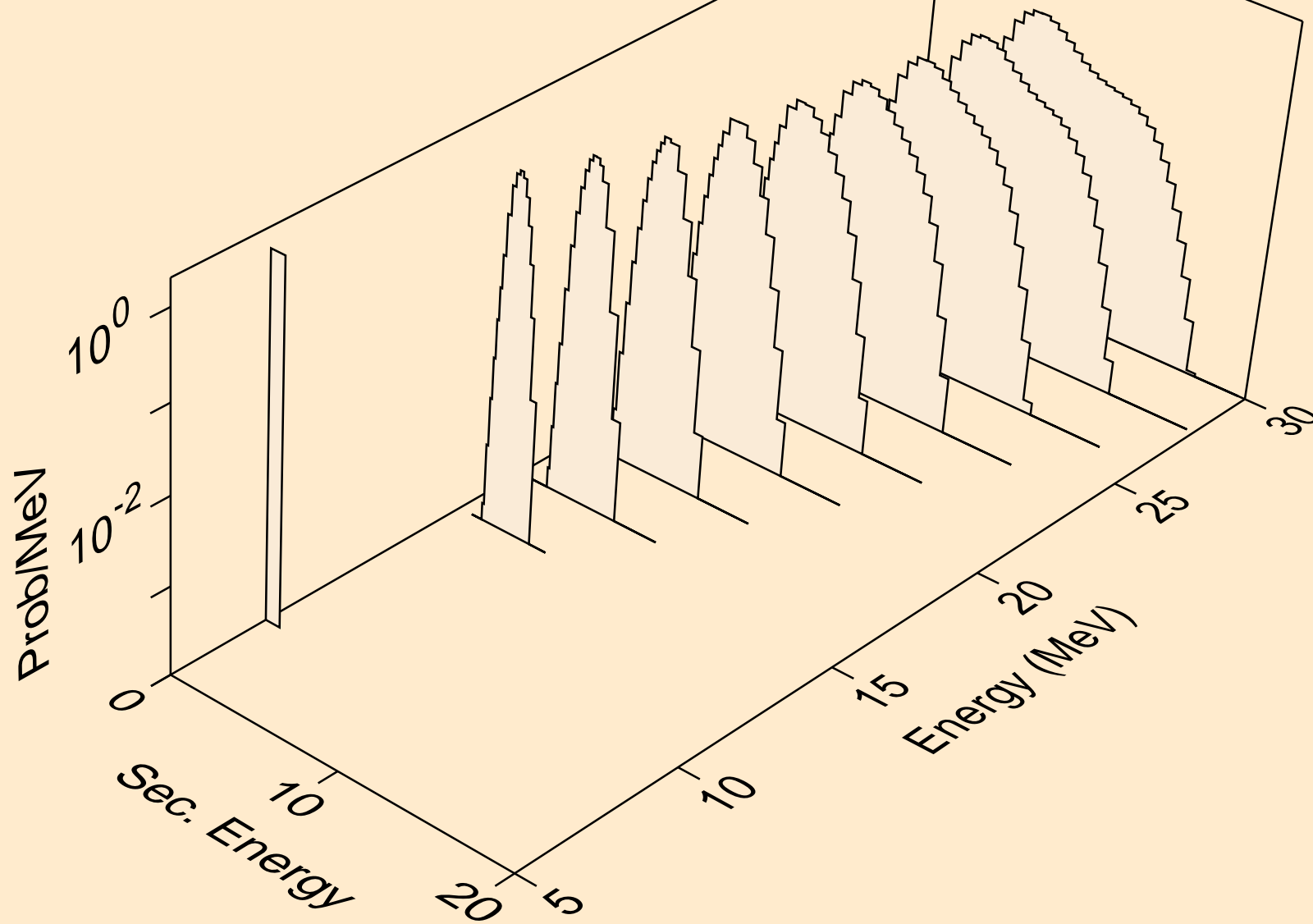
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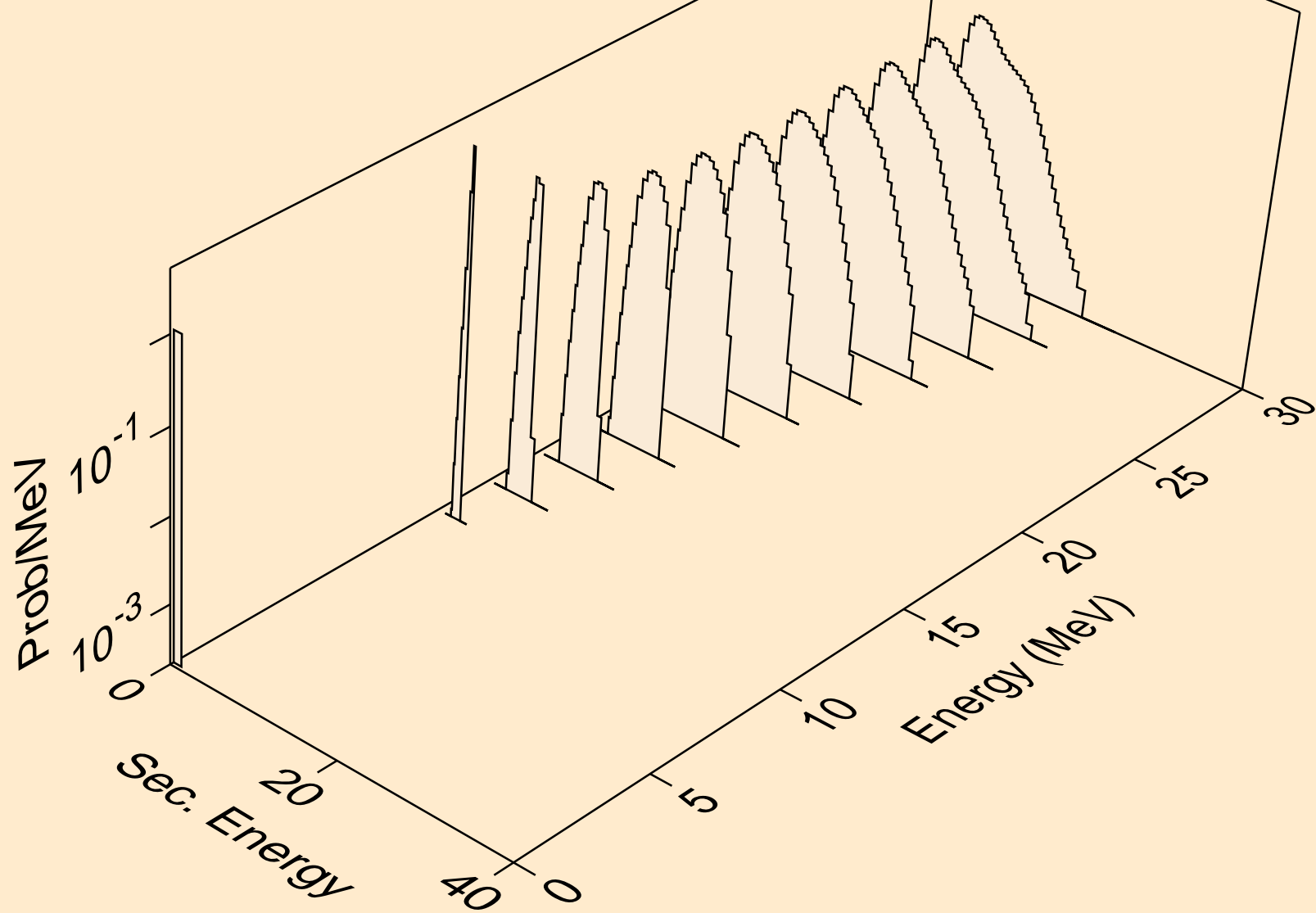
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protons from (s,3np)



LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
protons from (s,n2p)

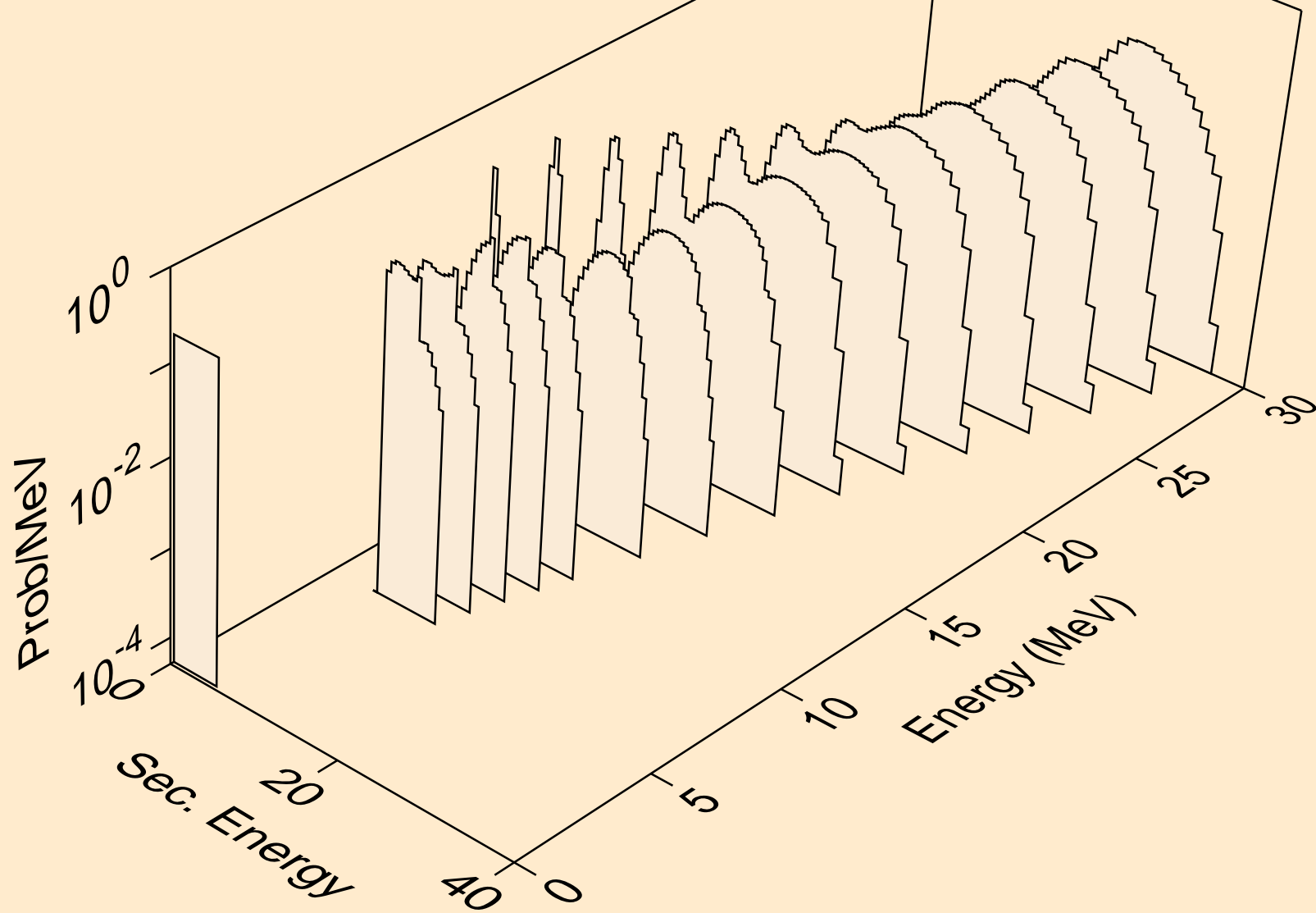


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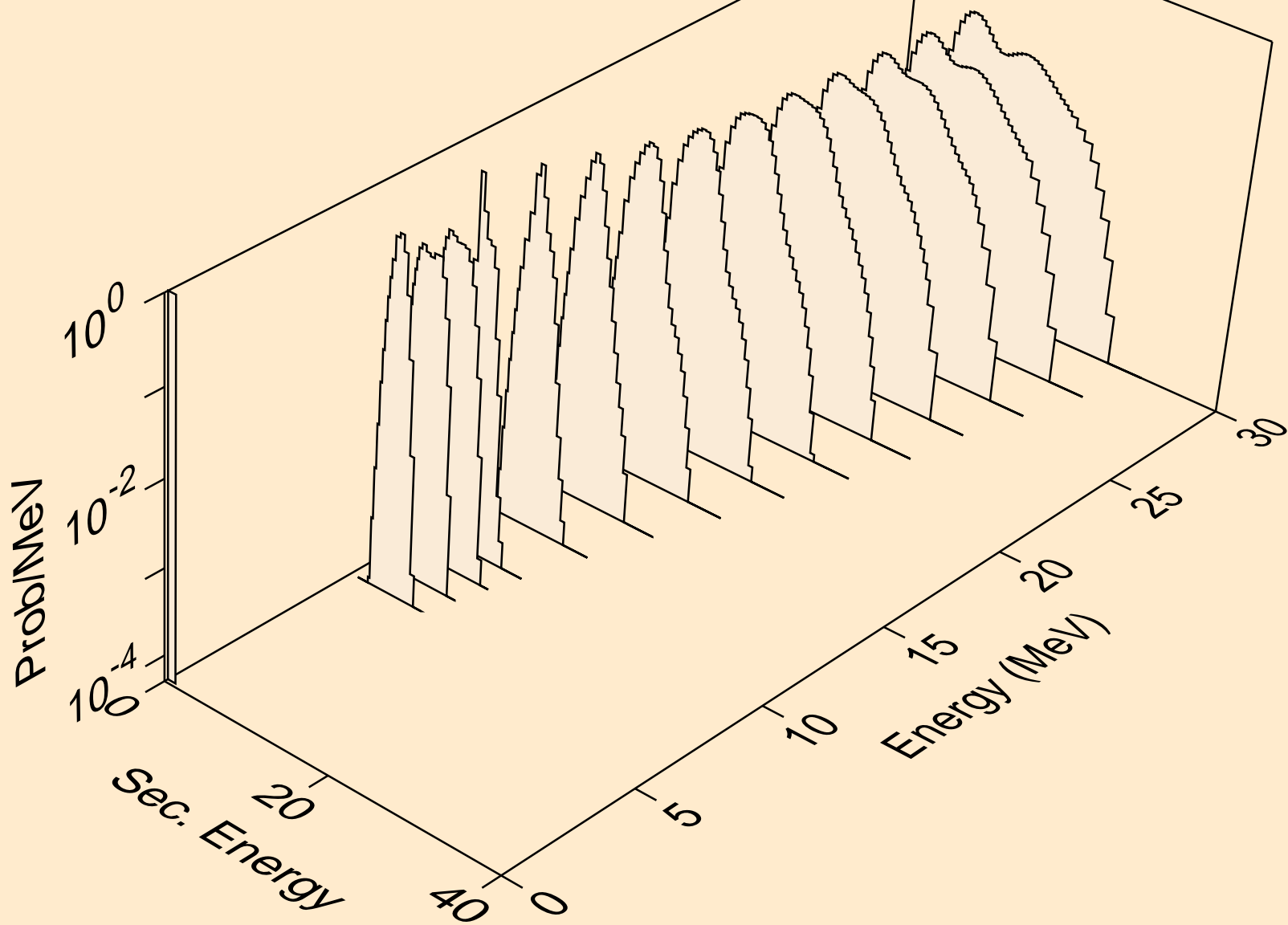




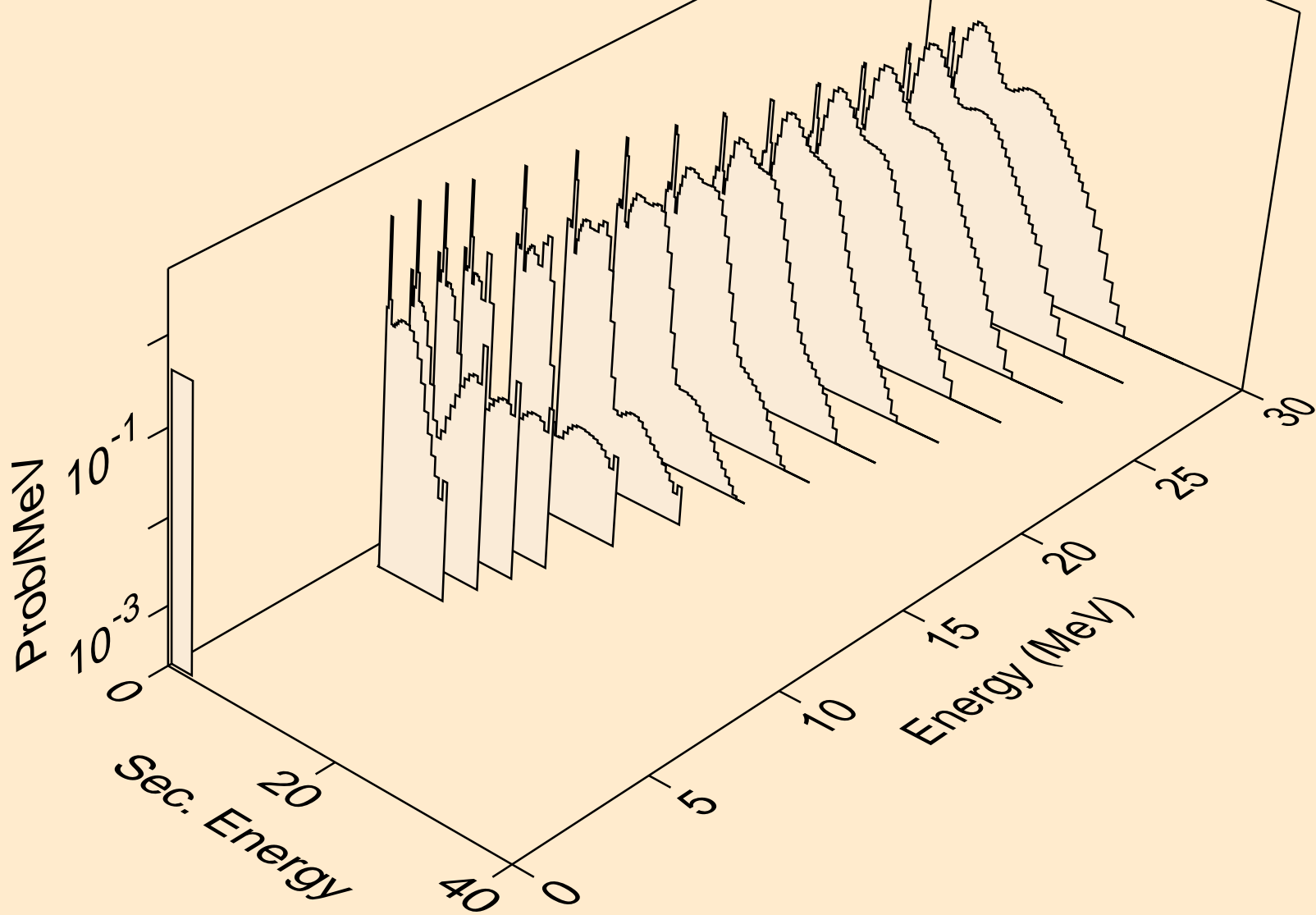
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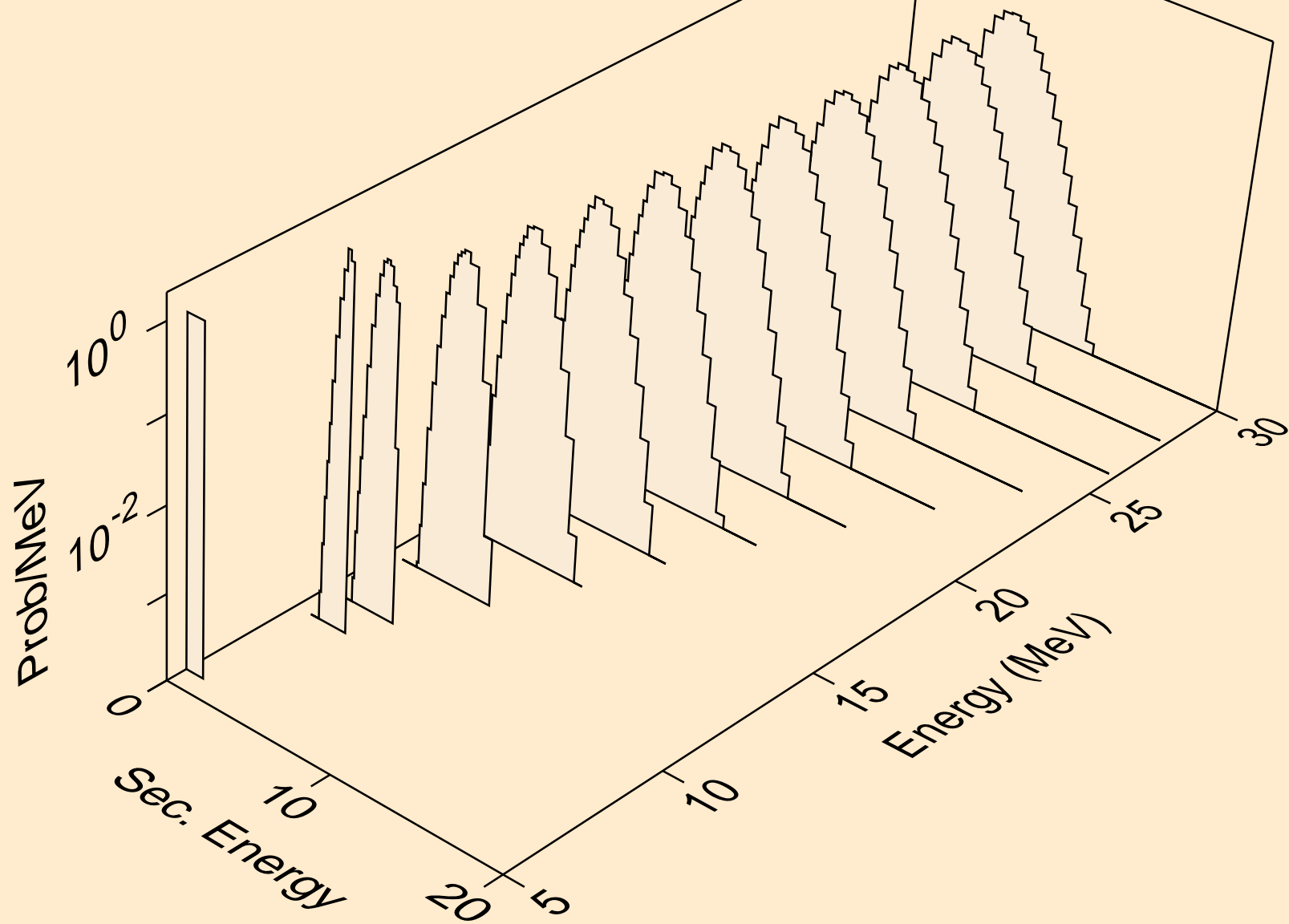
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protons from (s,2p)



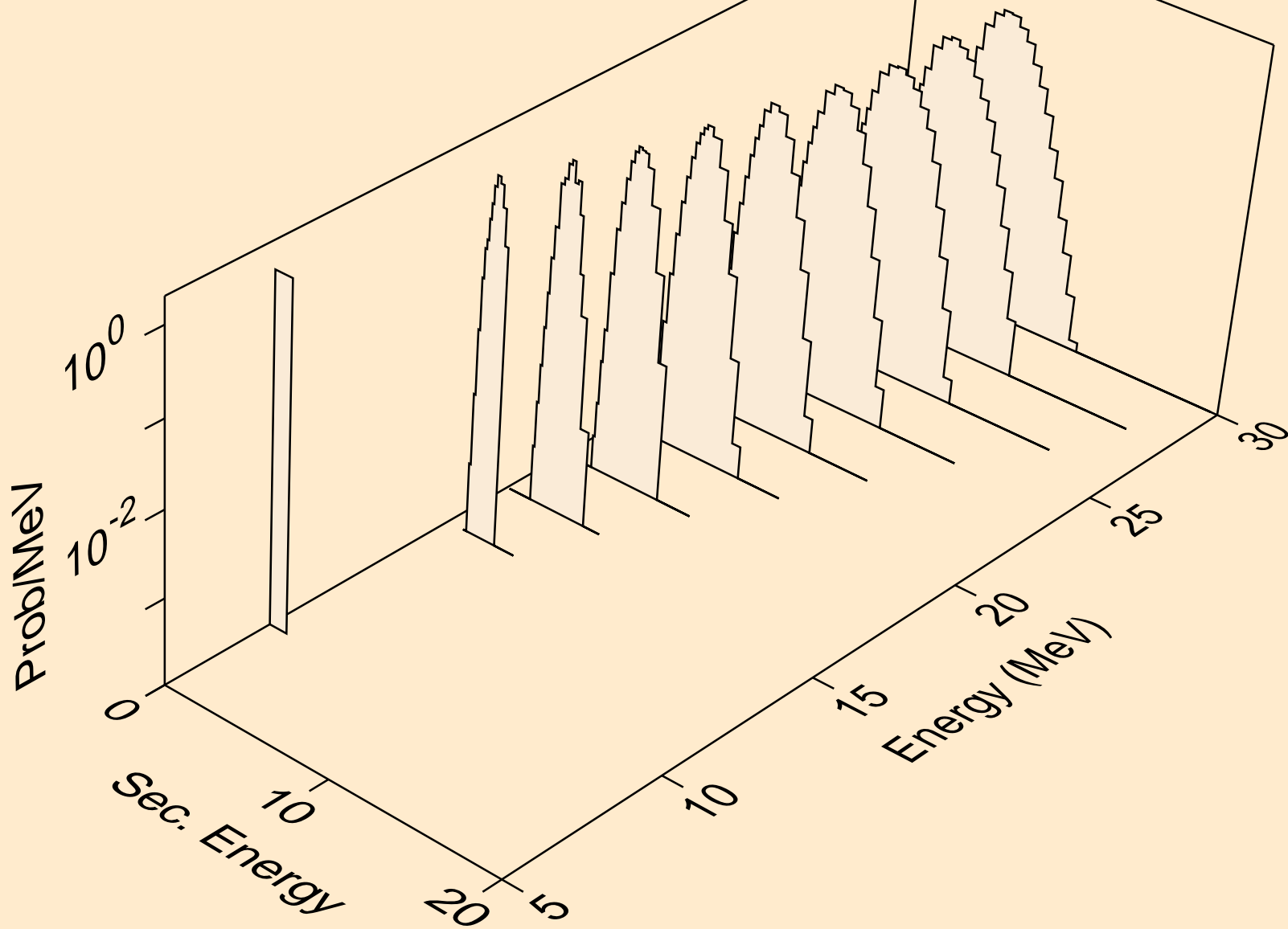
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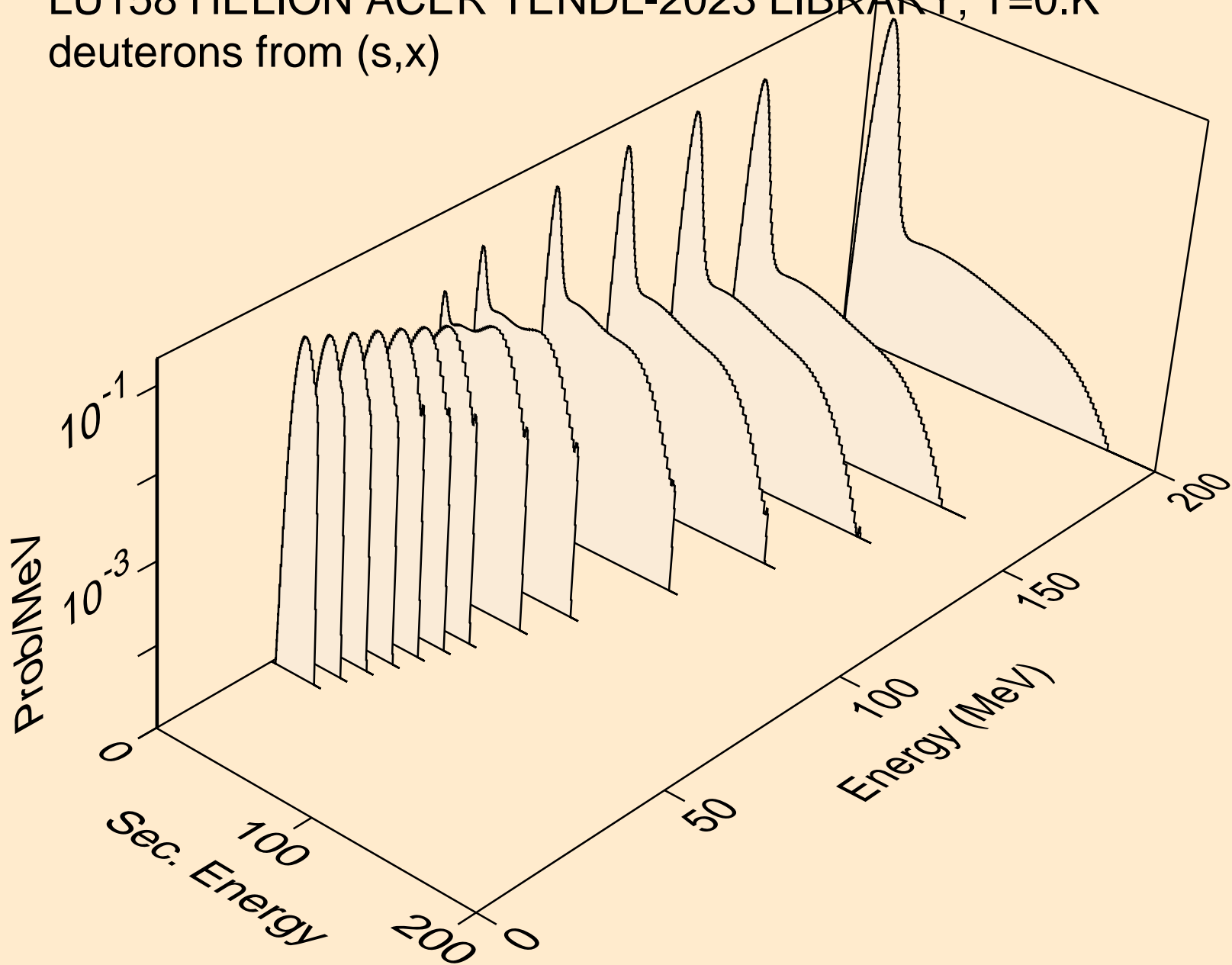
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protons from (s,pd)



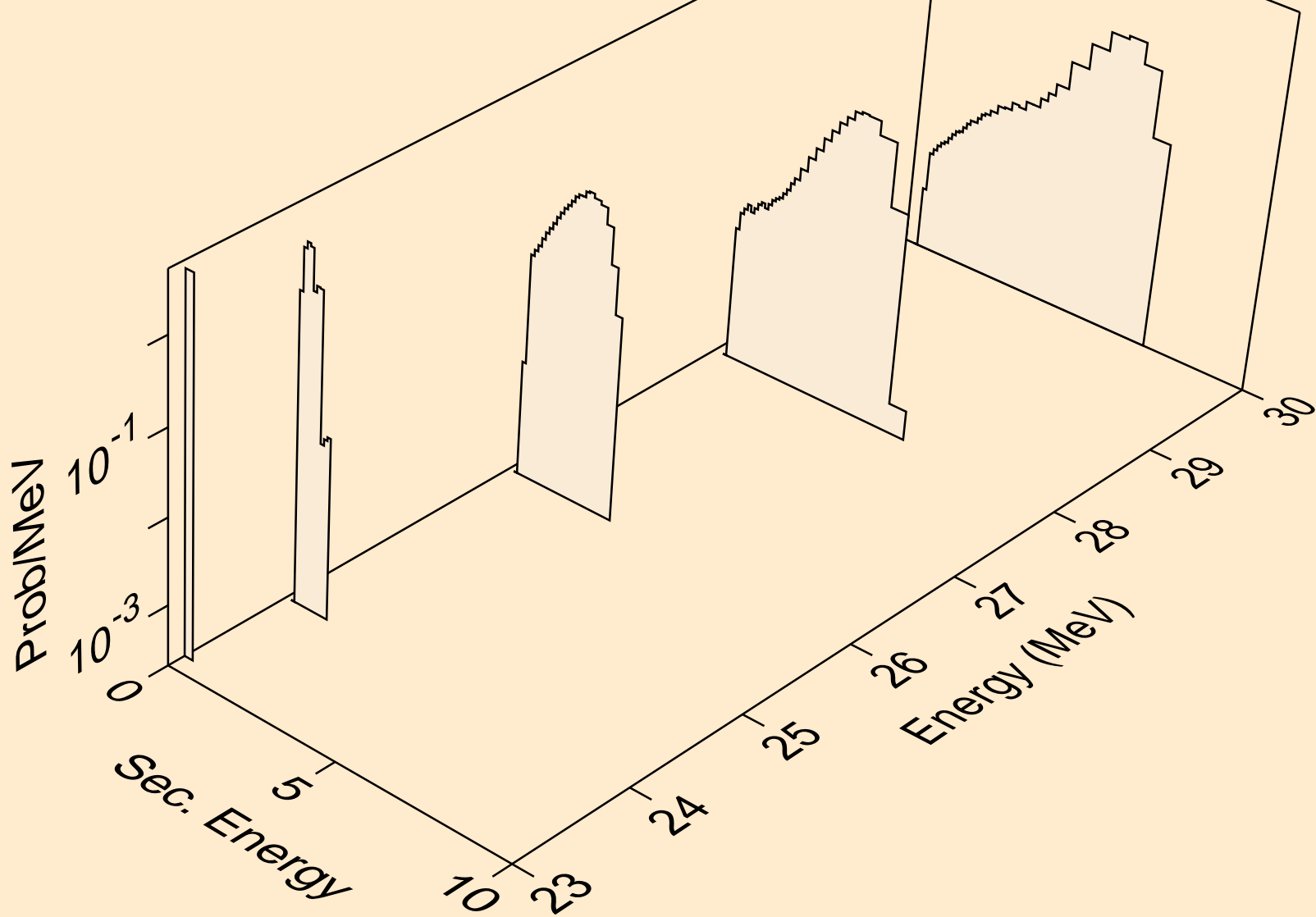
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protons from (s,pt)



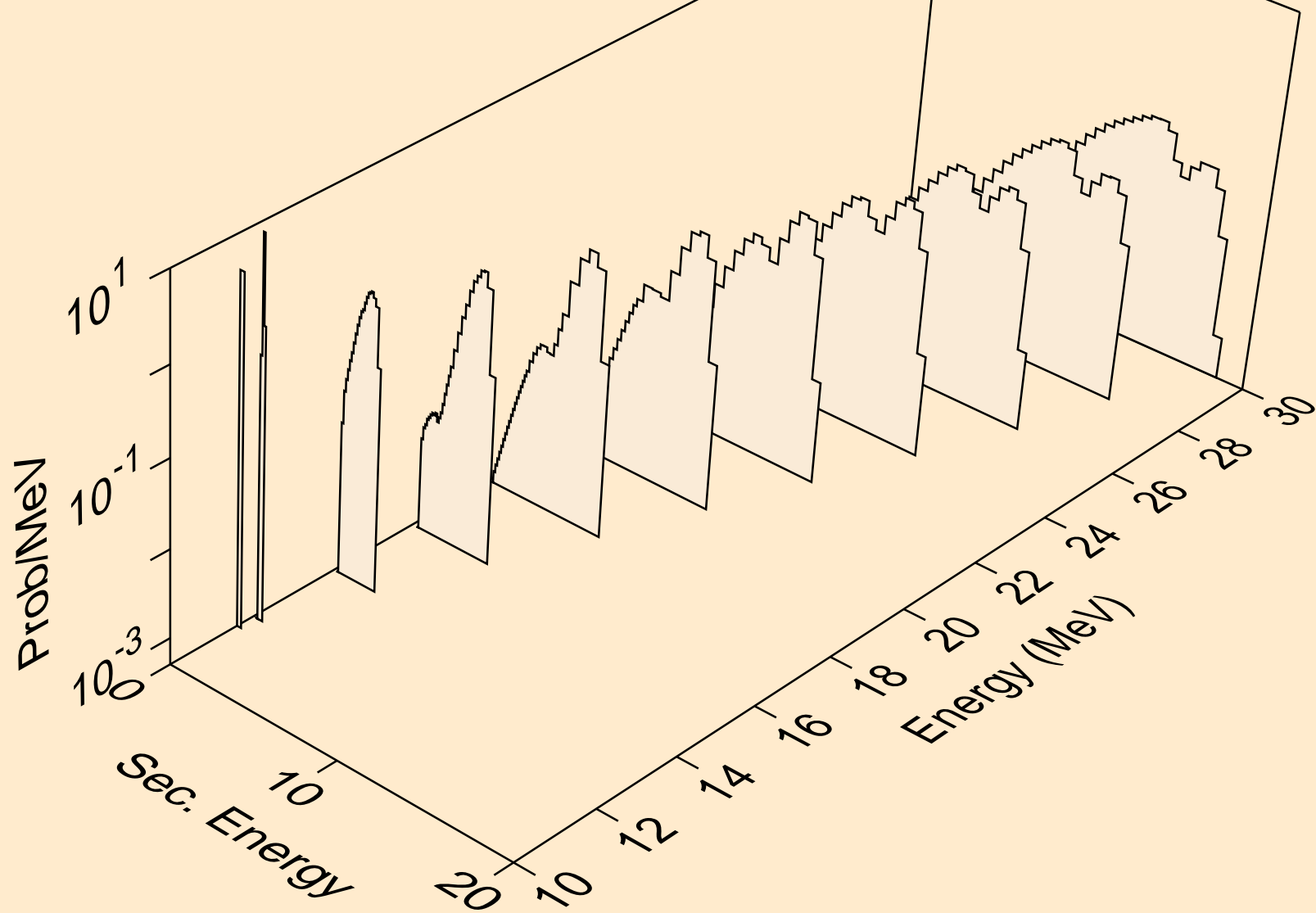
LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,x)



LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,2nd)

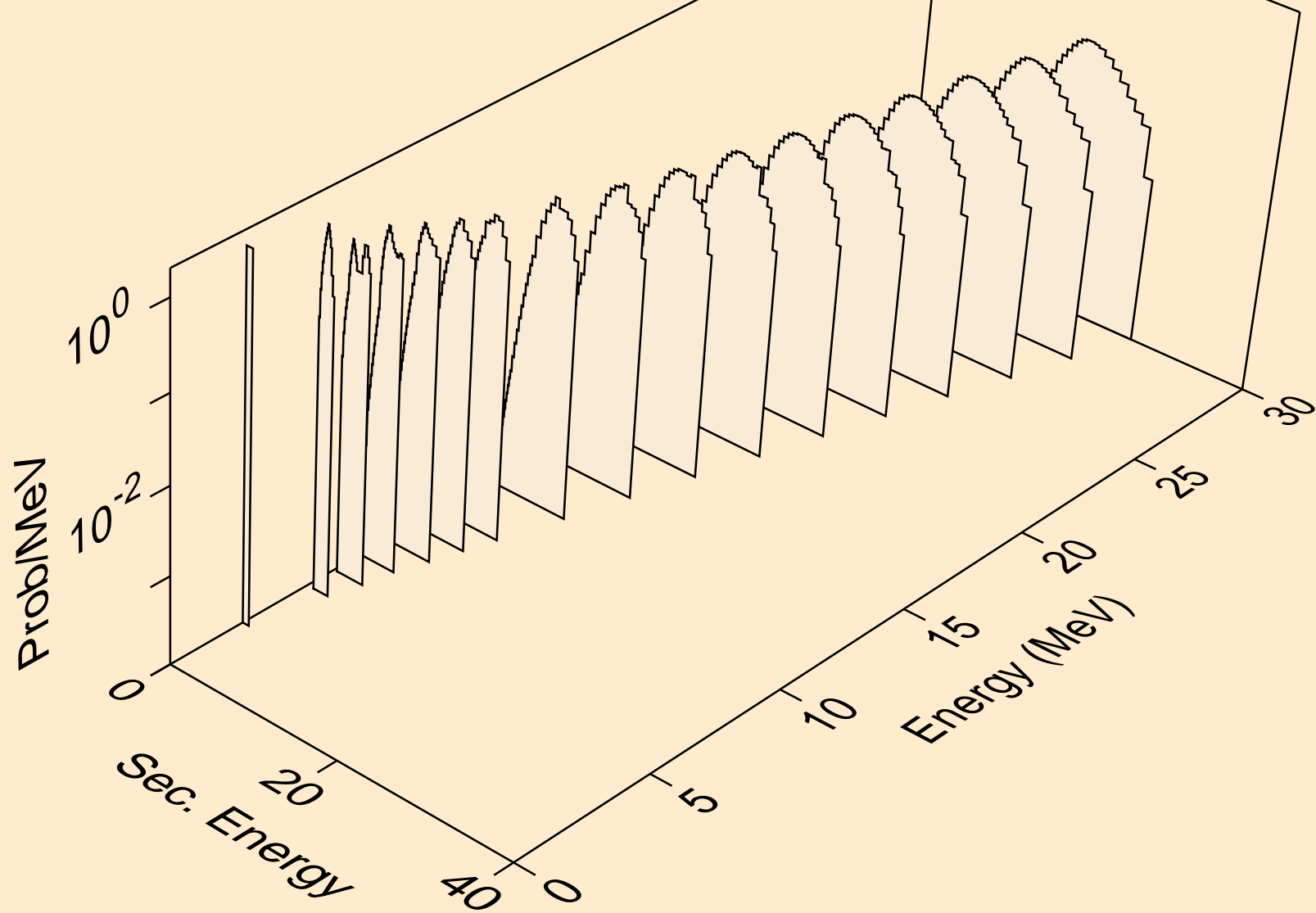


LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (s,n\*)d

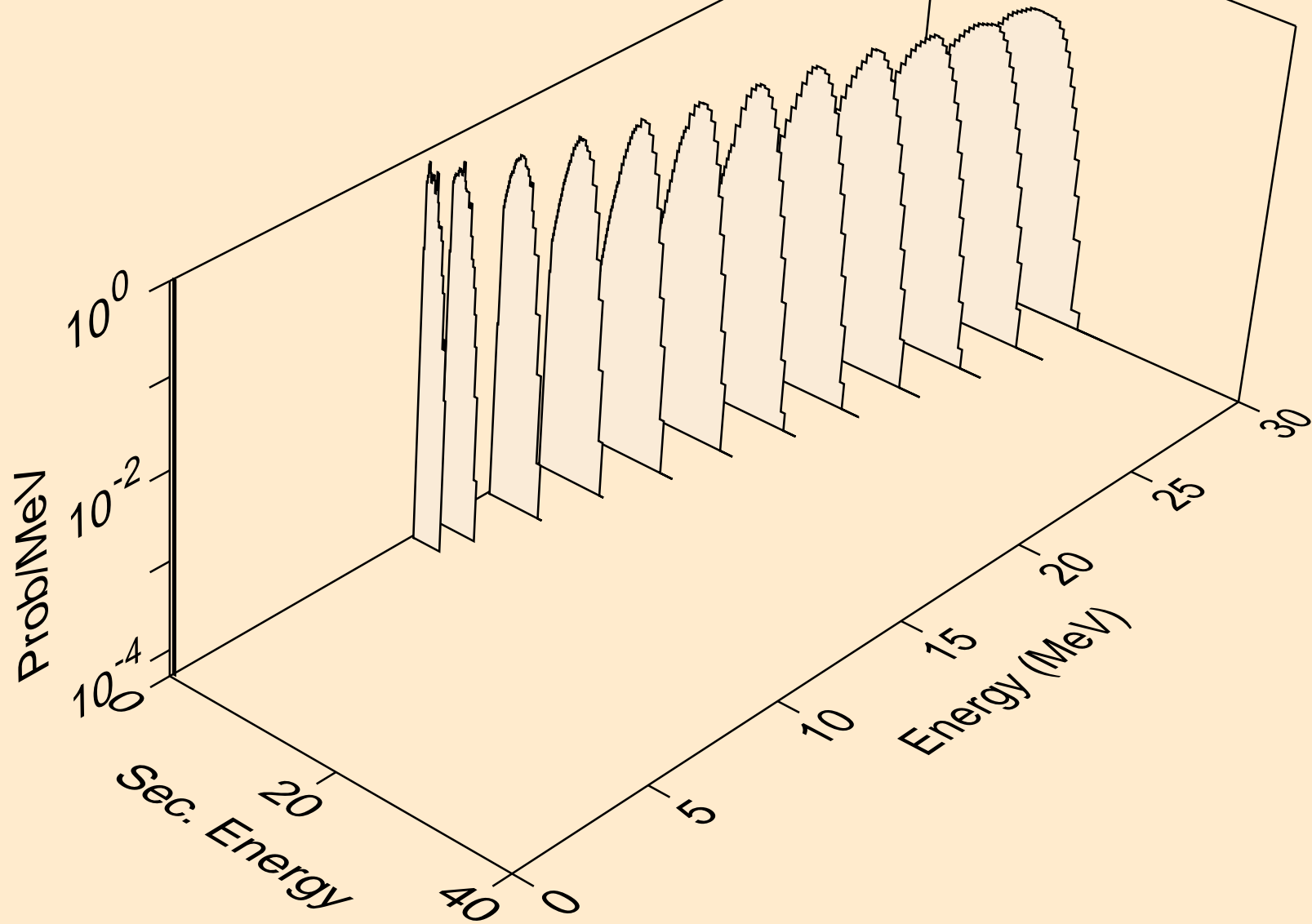




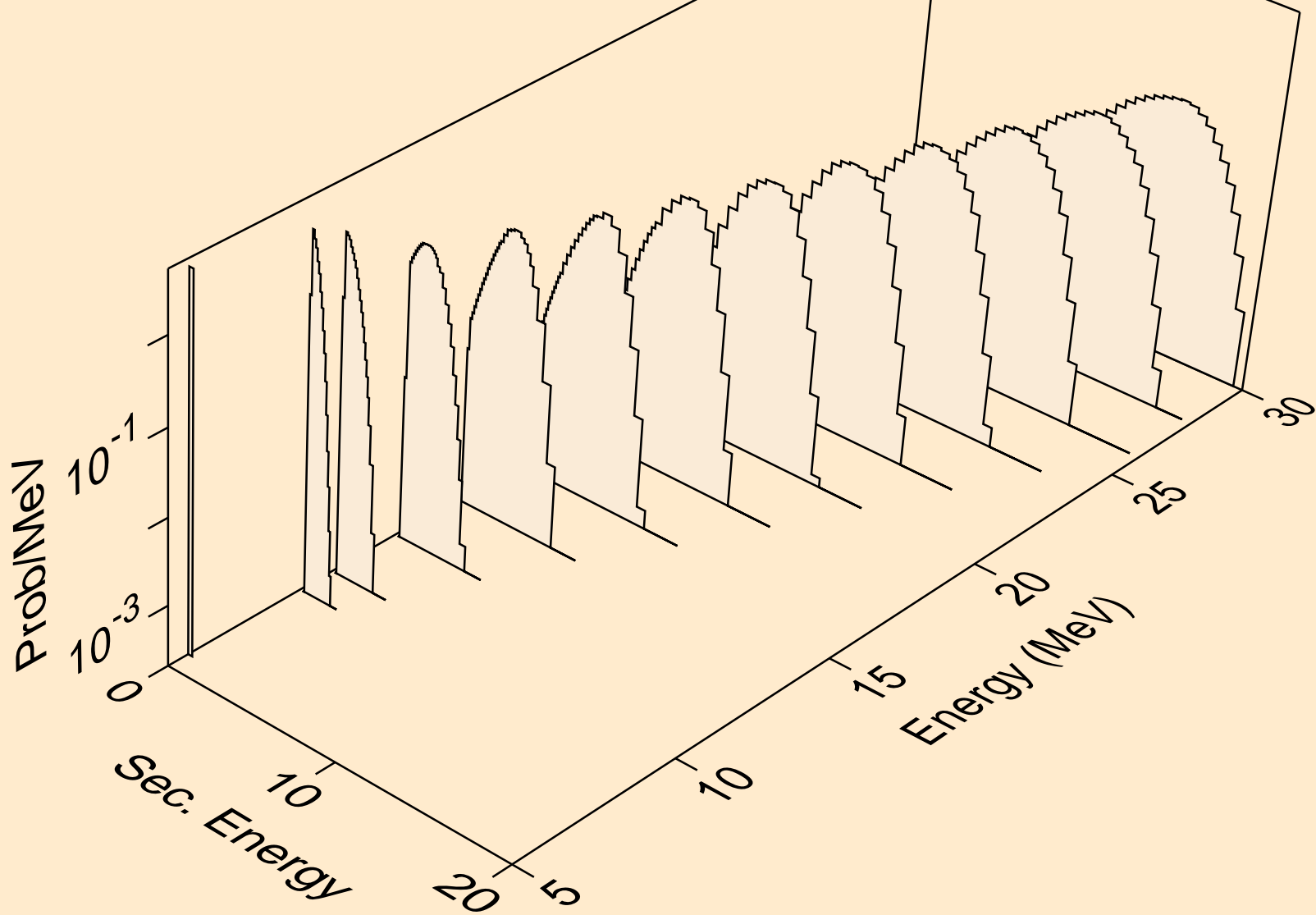
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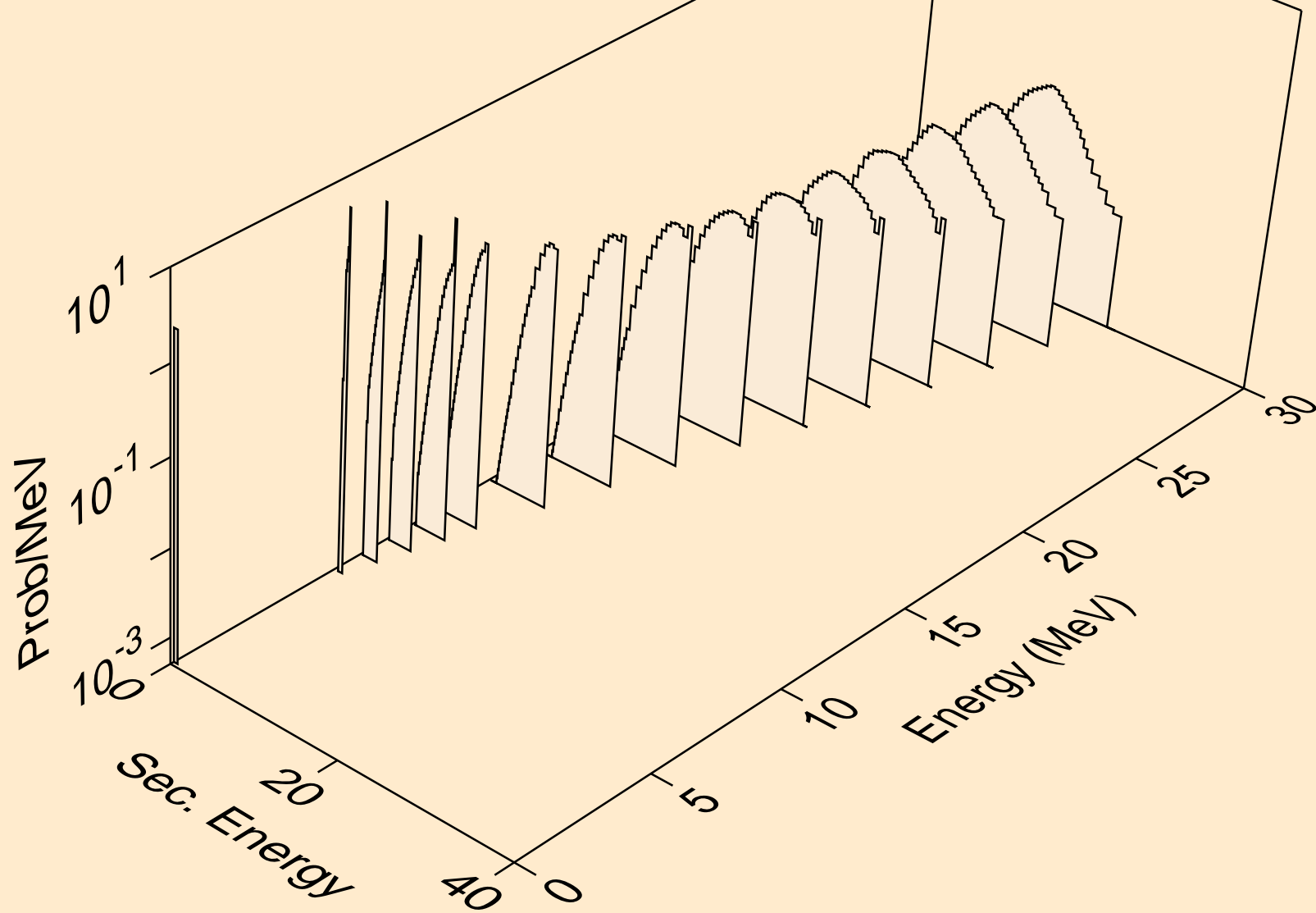
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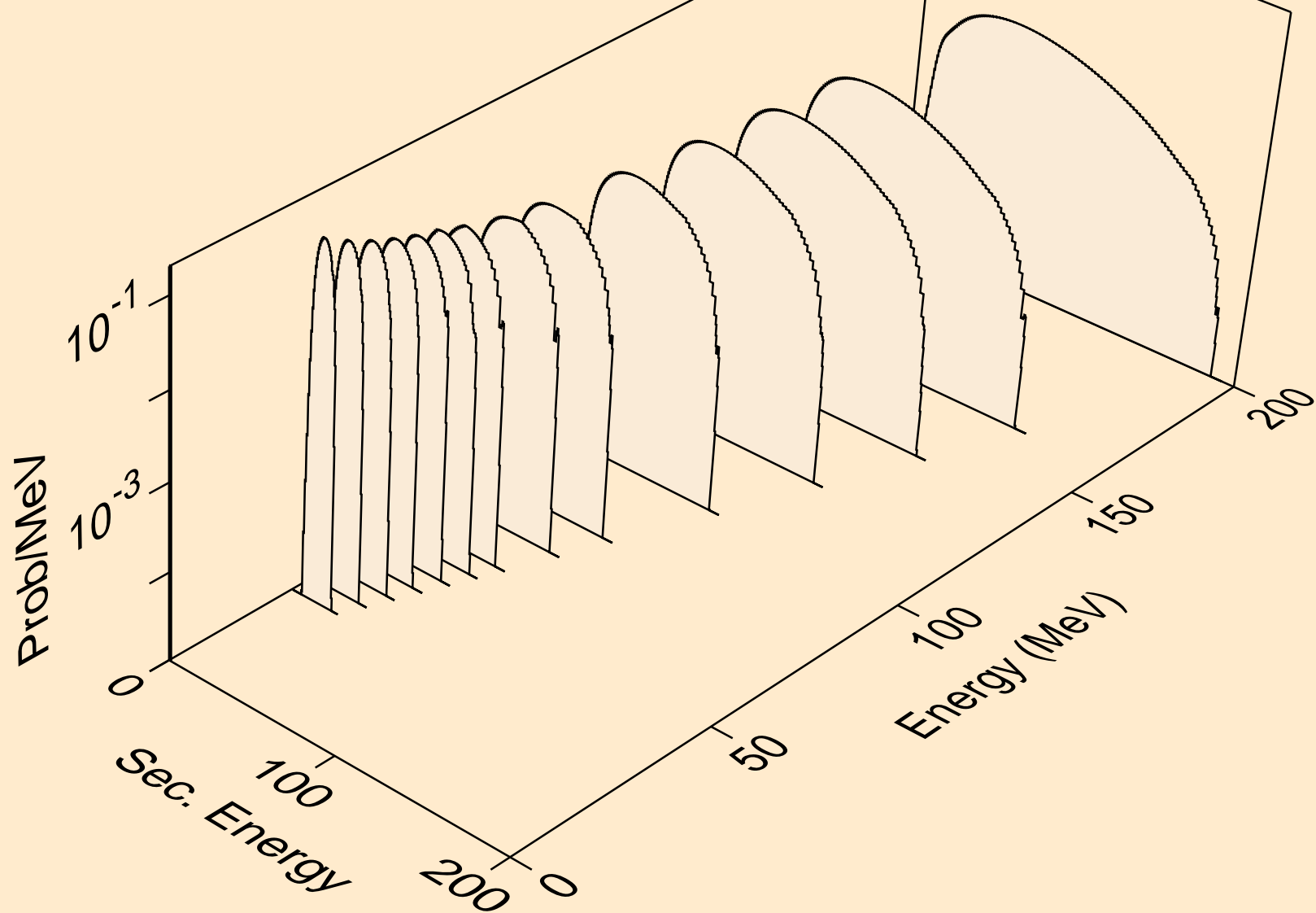
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deuterons from (s,pd)



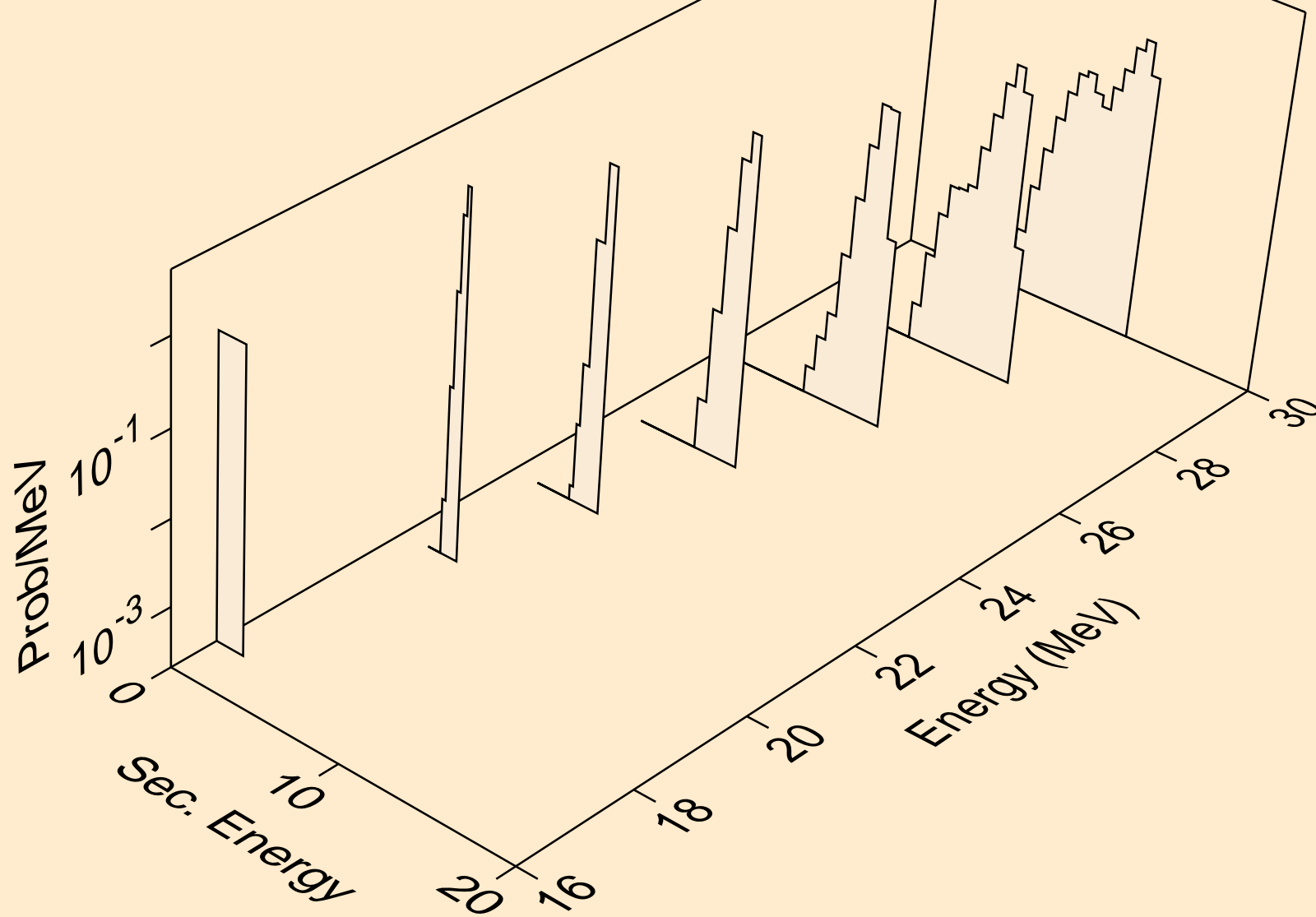
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deuterons from (s,da)



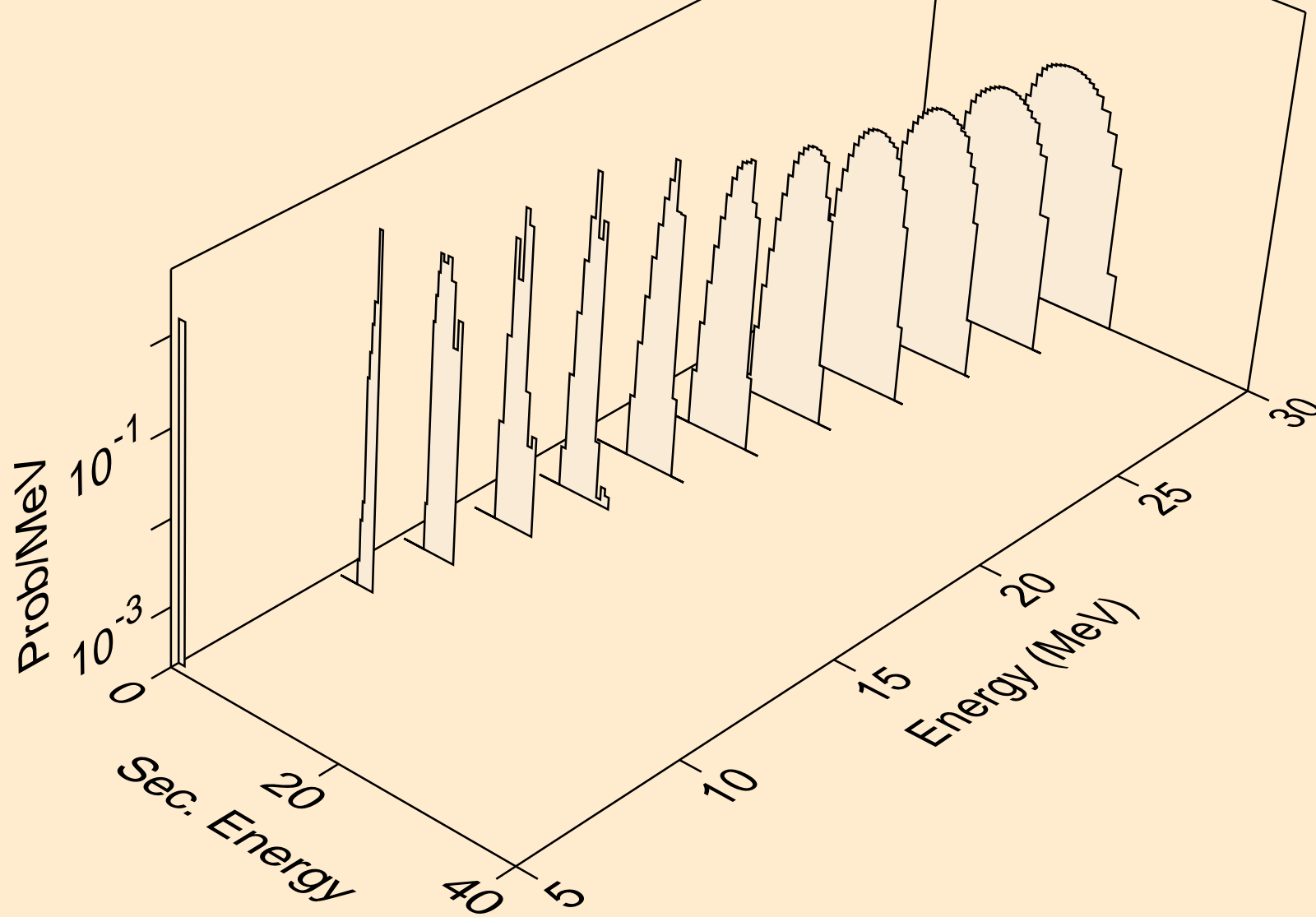
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tritons from (s,x)



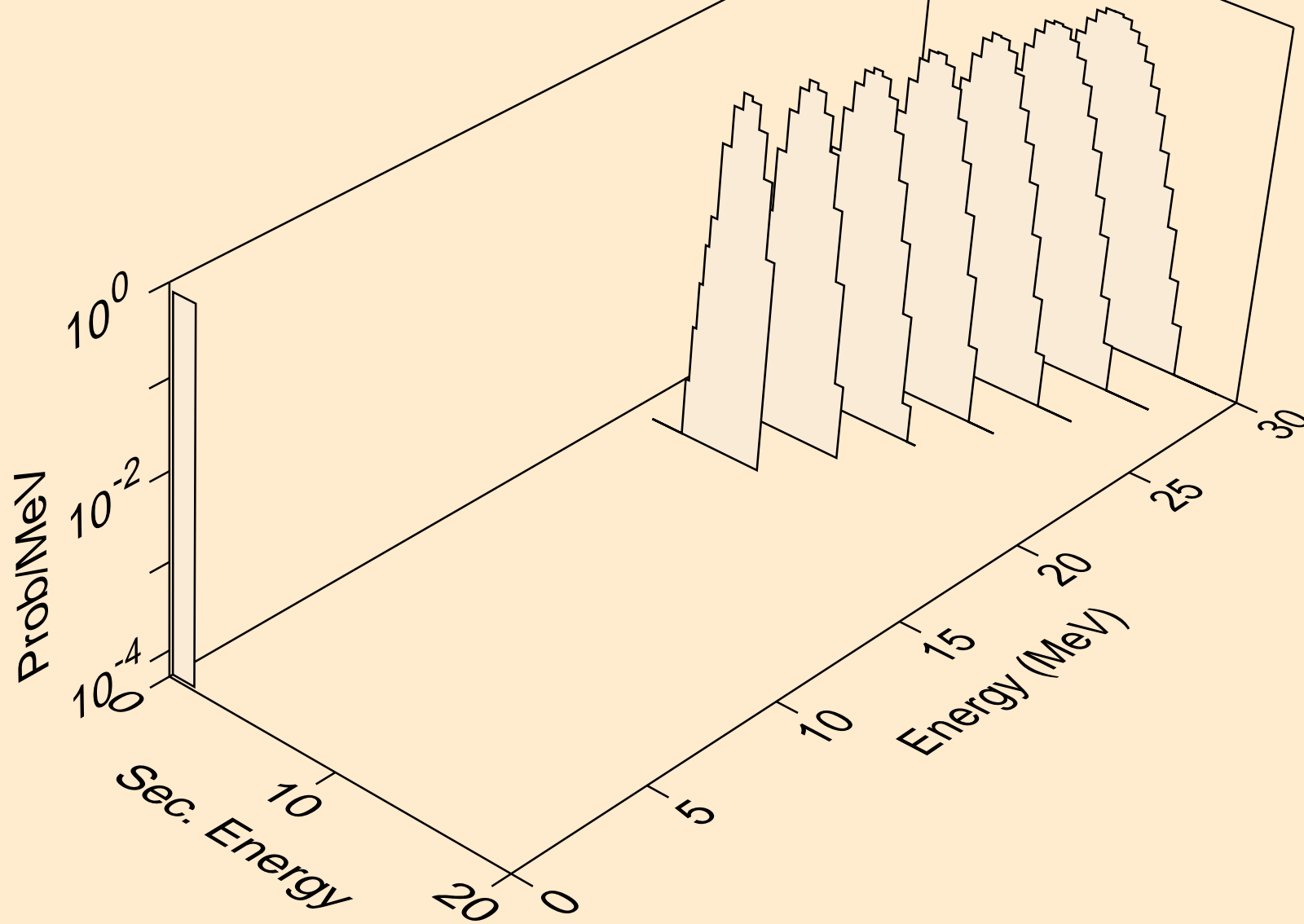
LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,n\*)t



LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (s,t)

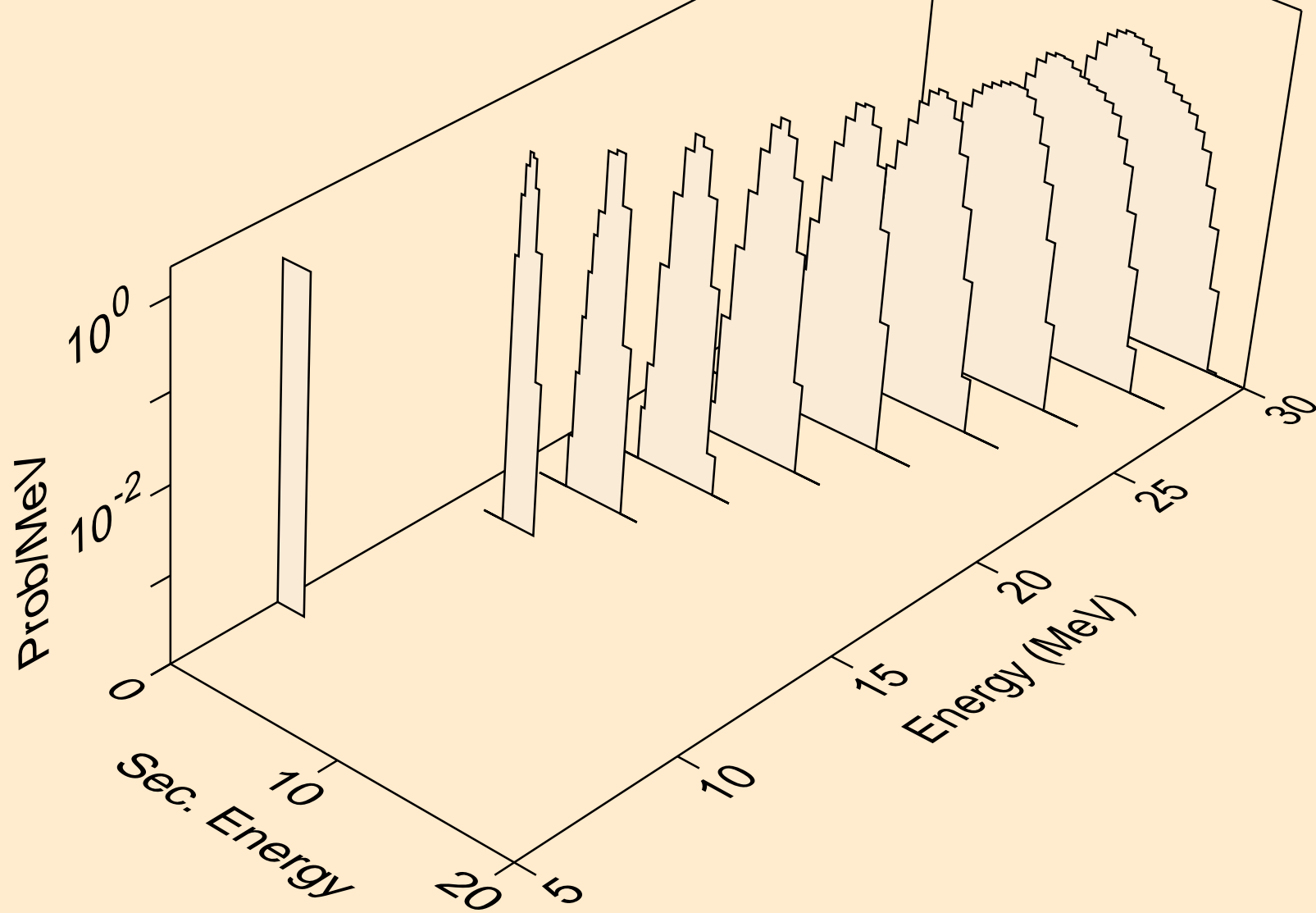


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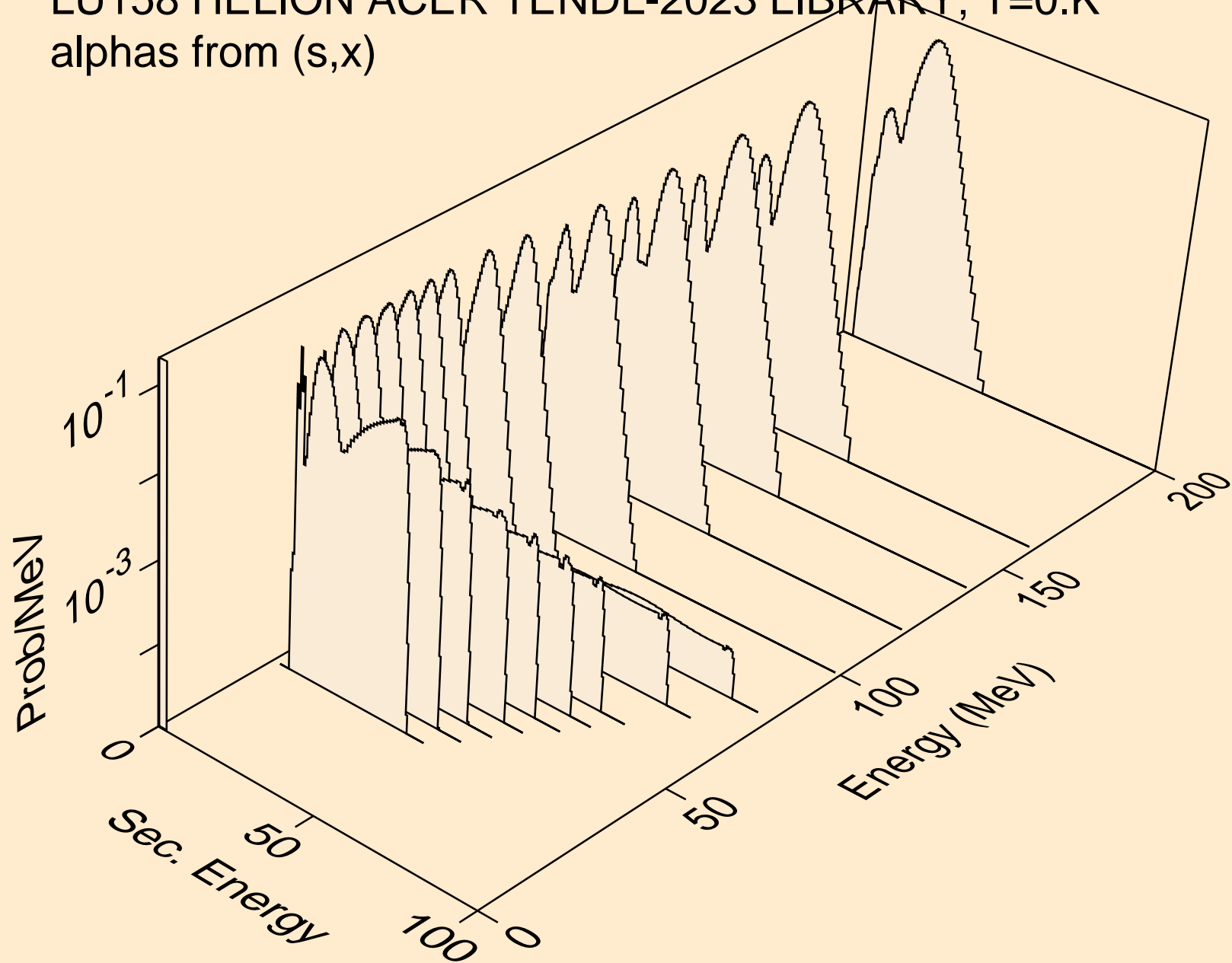




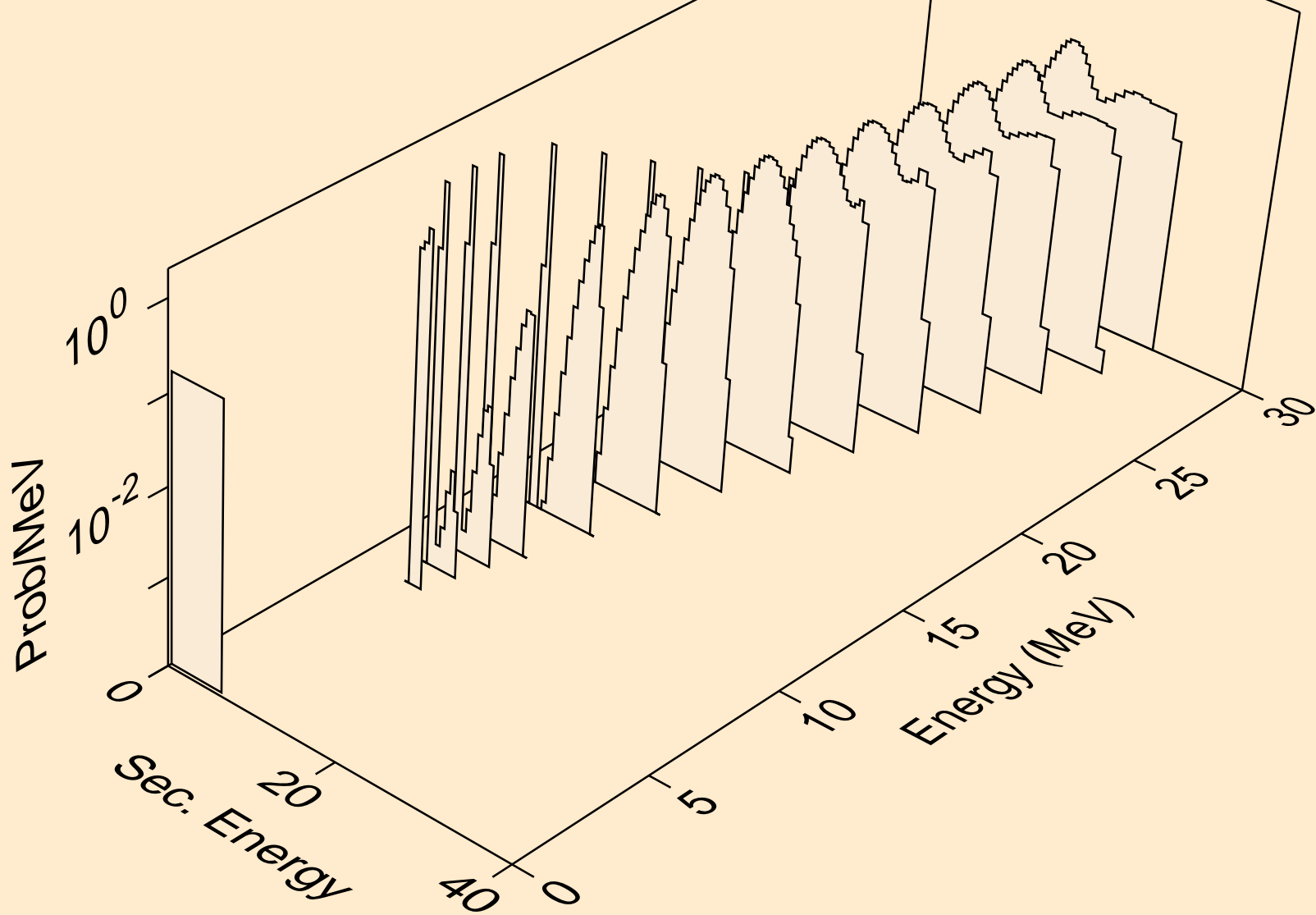
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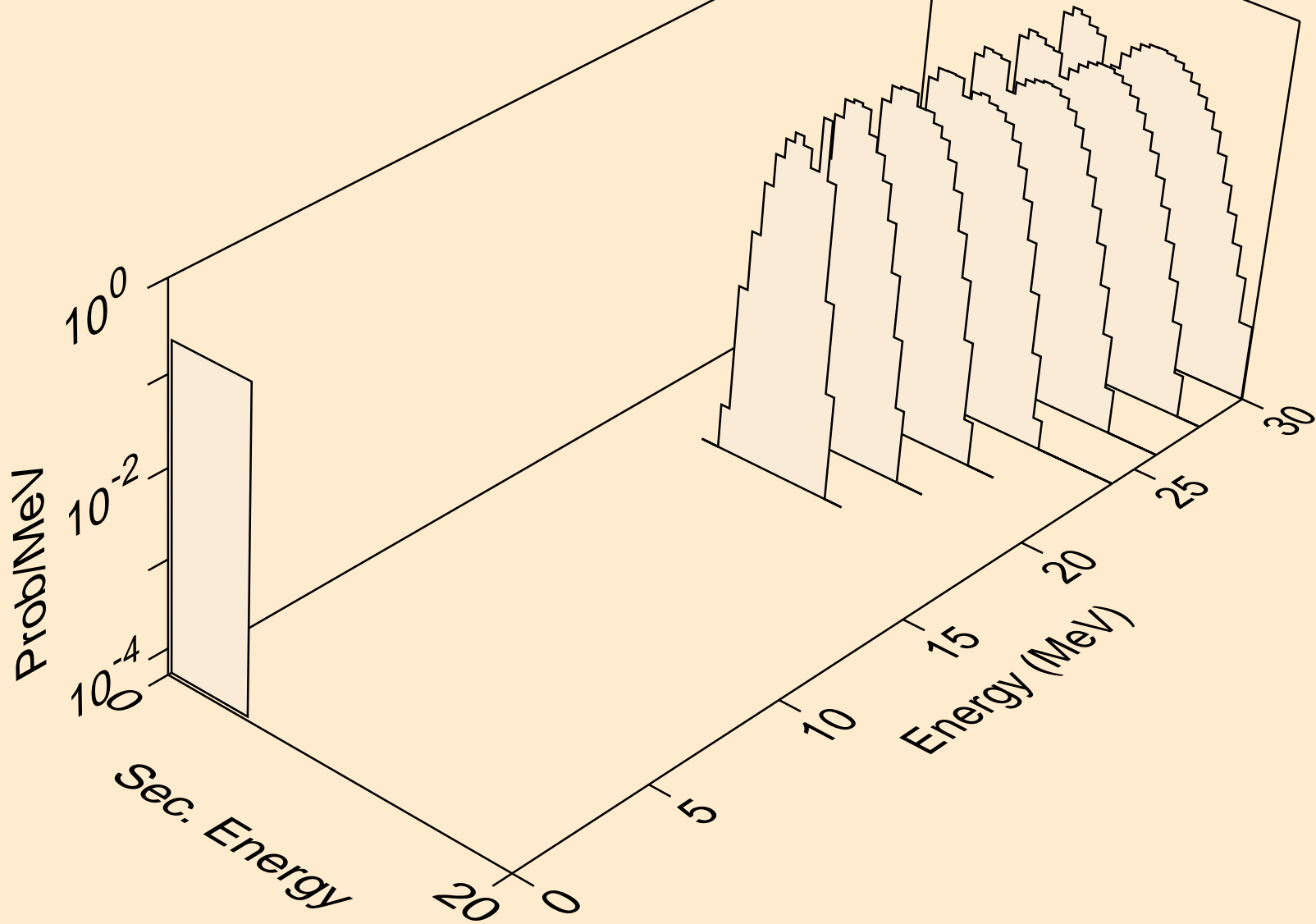
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alphas from (s,x)



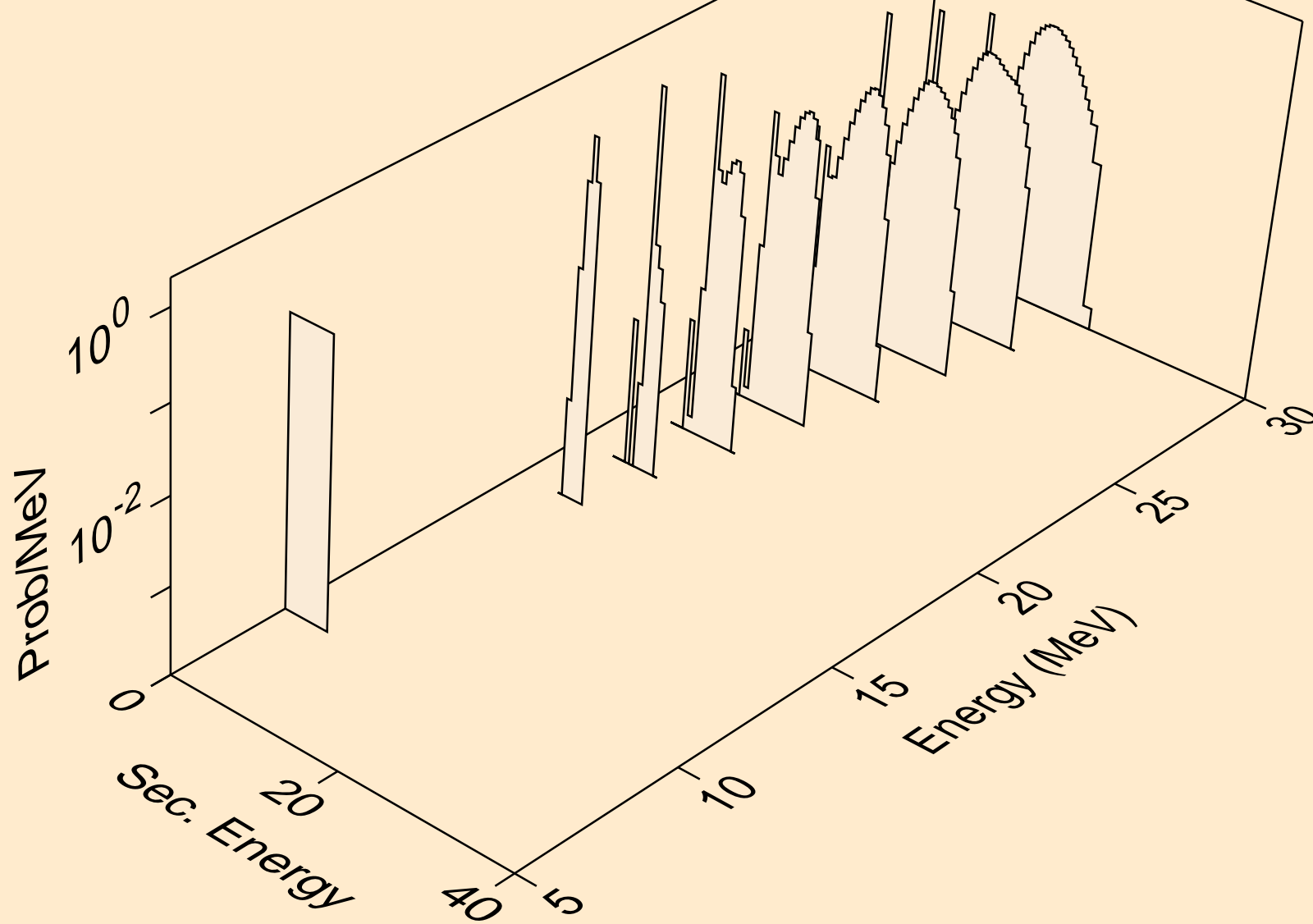
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alphas from (s,n\*)a



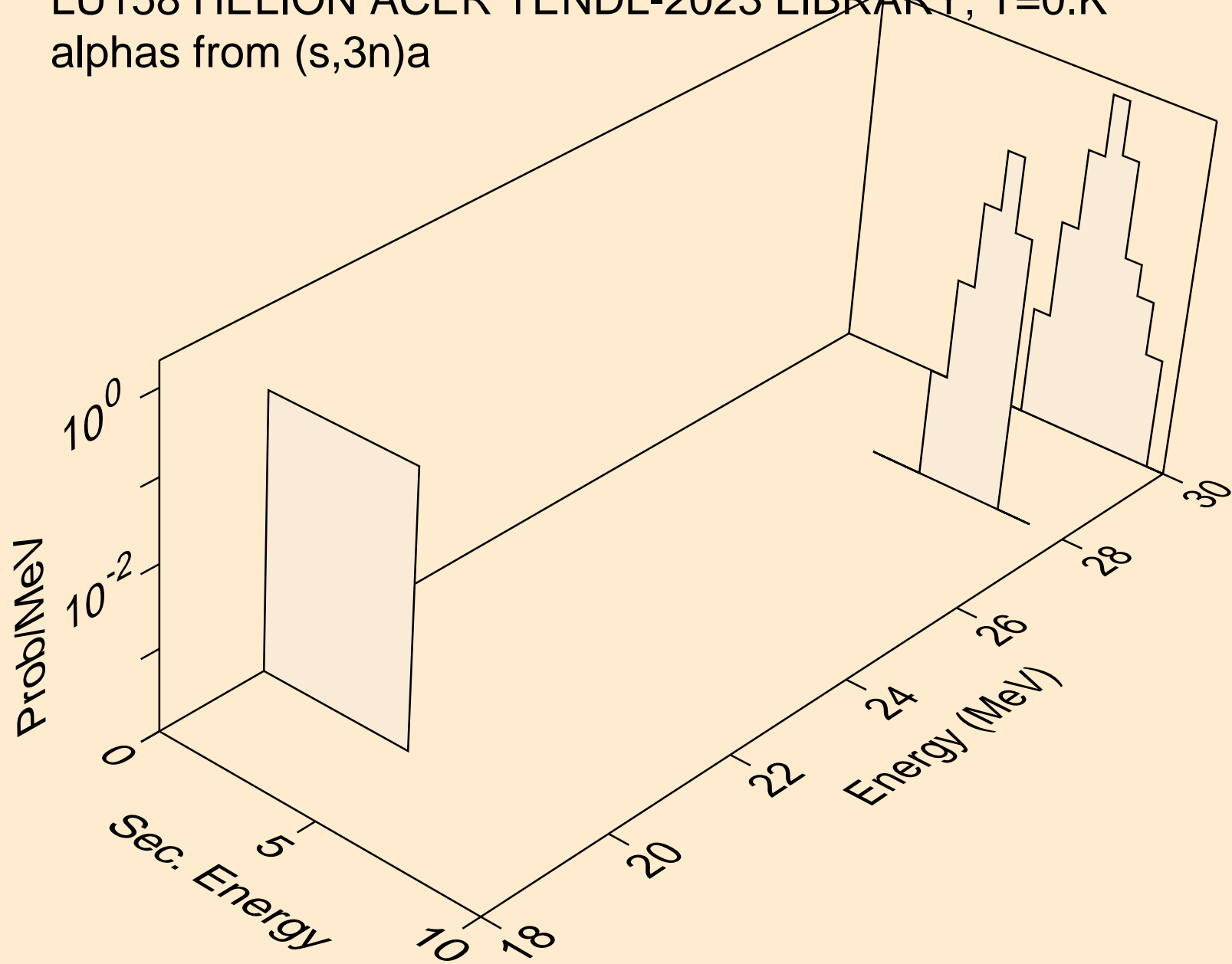
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alphas from (s,n\*)3a



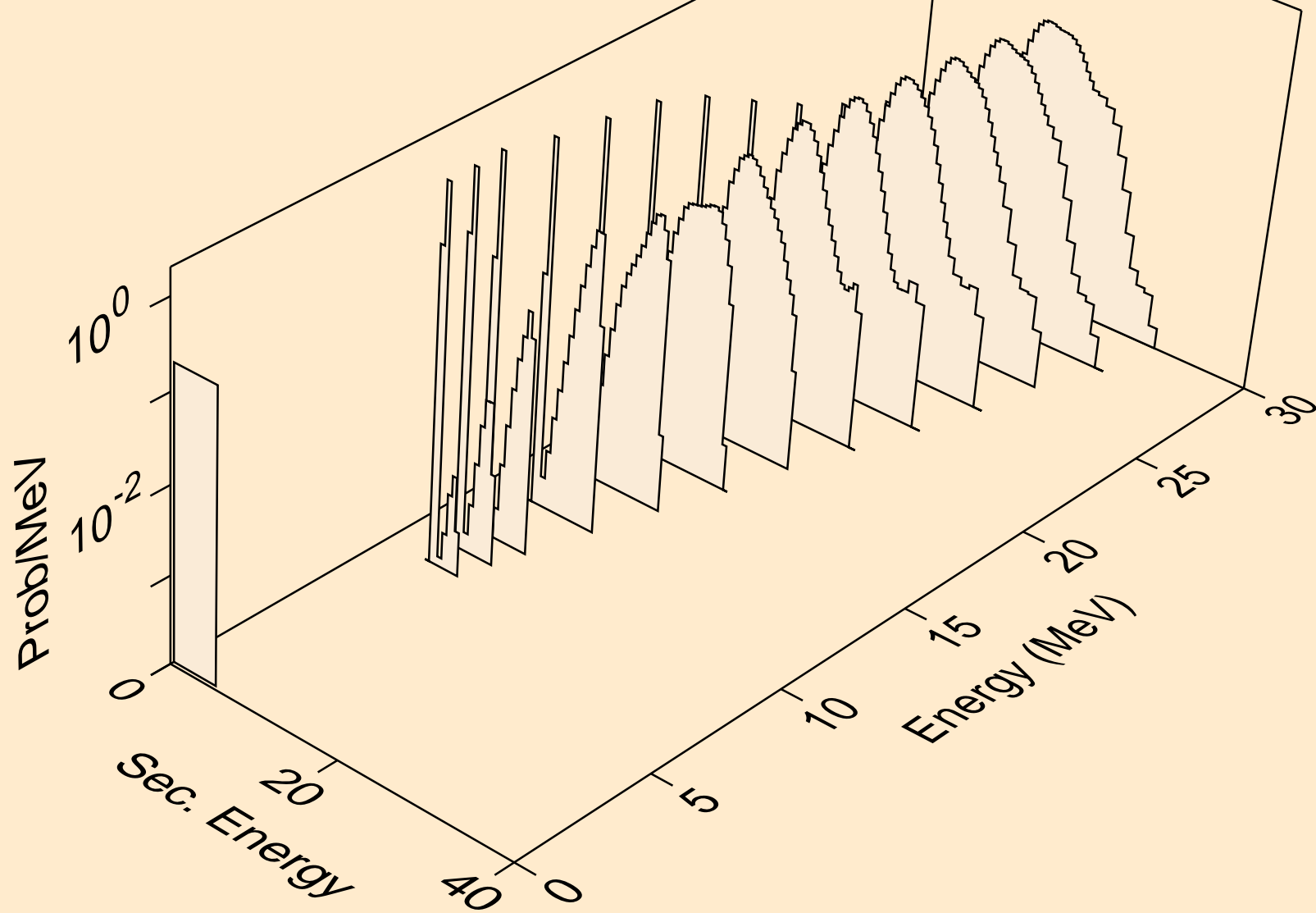
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alphas from (s,2n)a



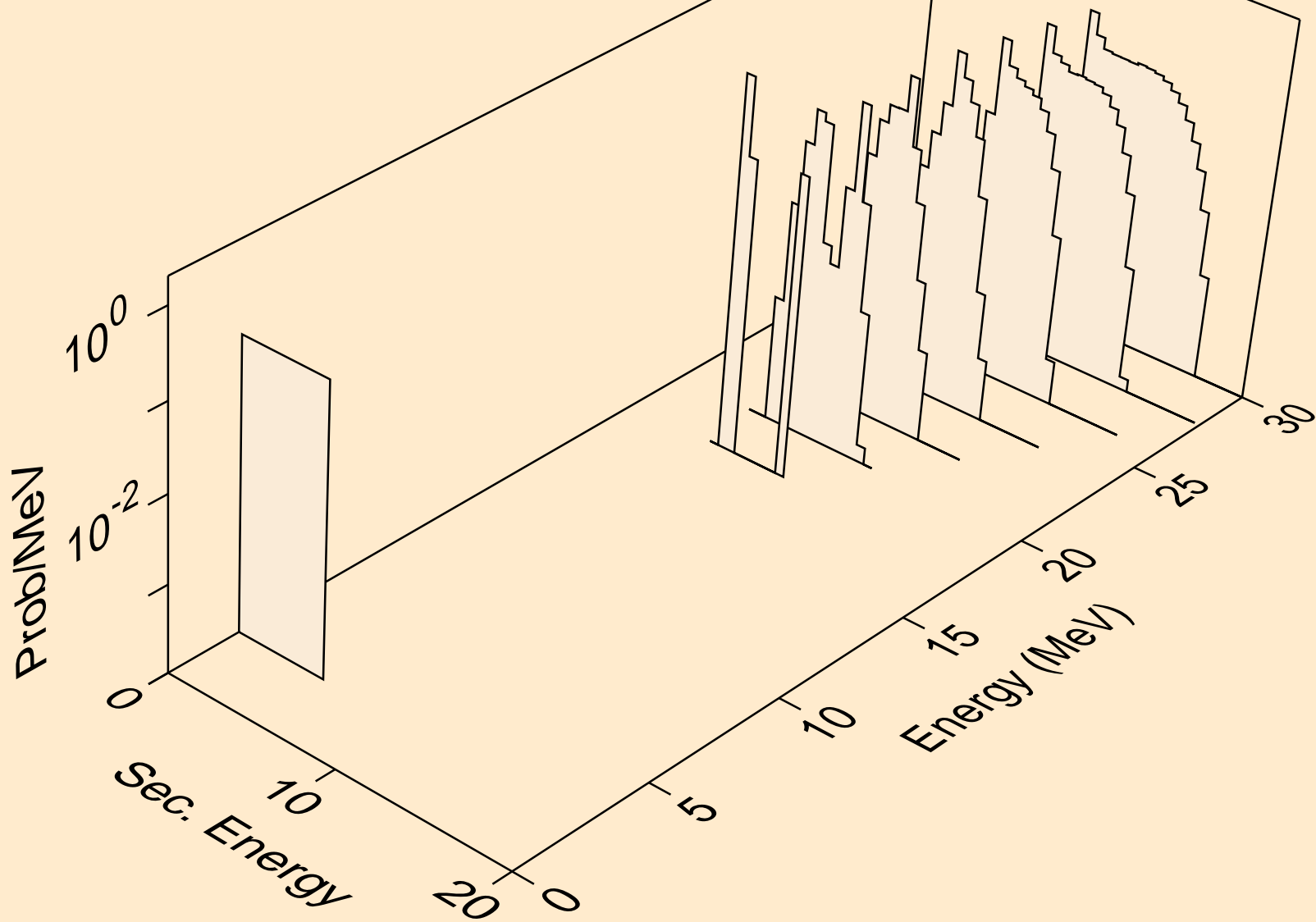
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alphas from (s,n\*)2a

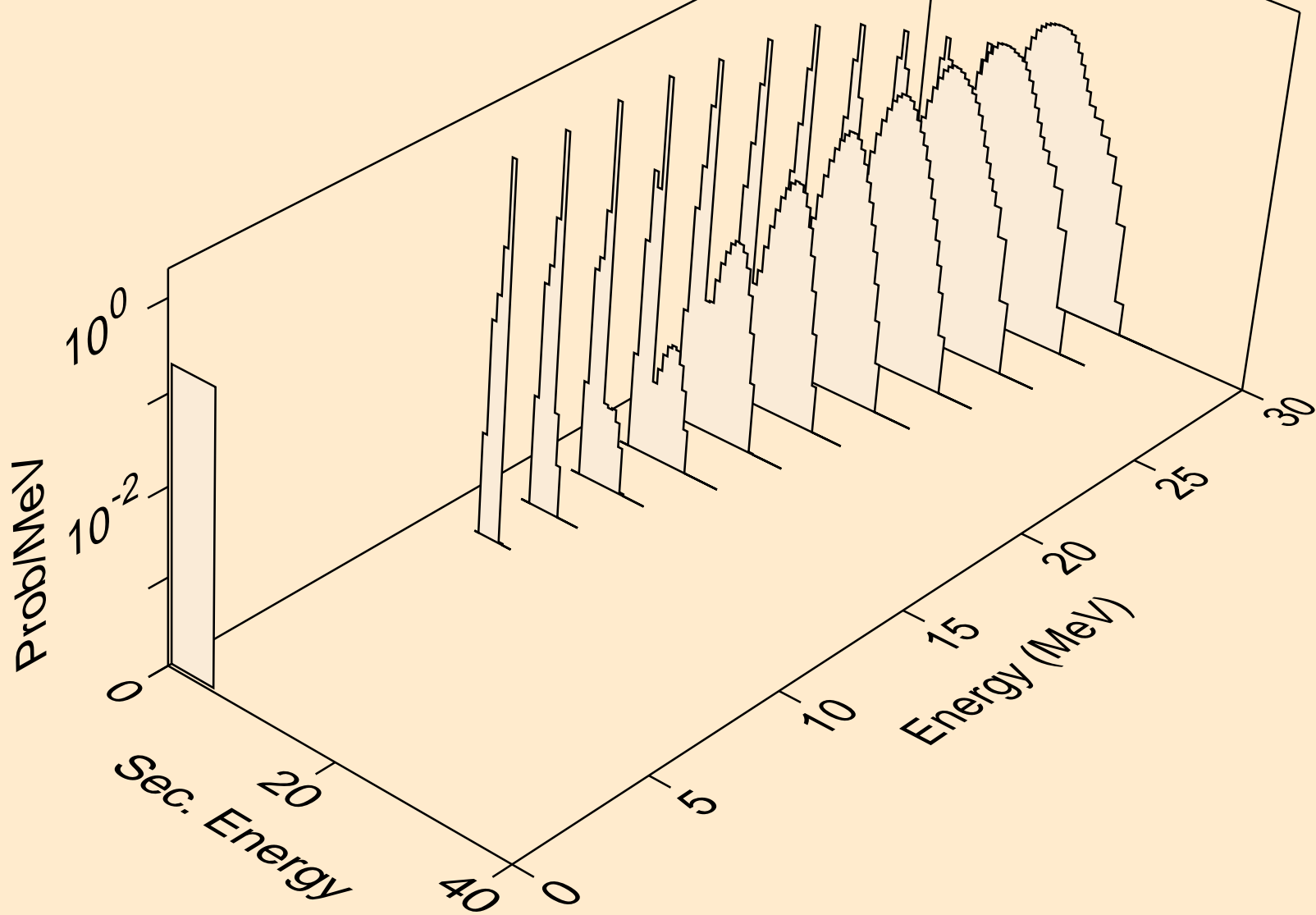


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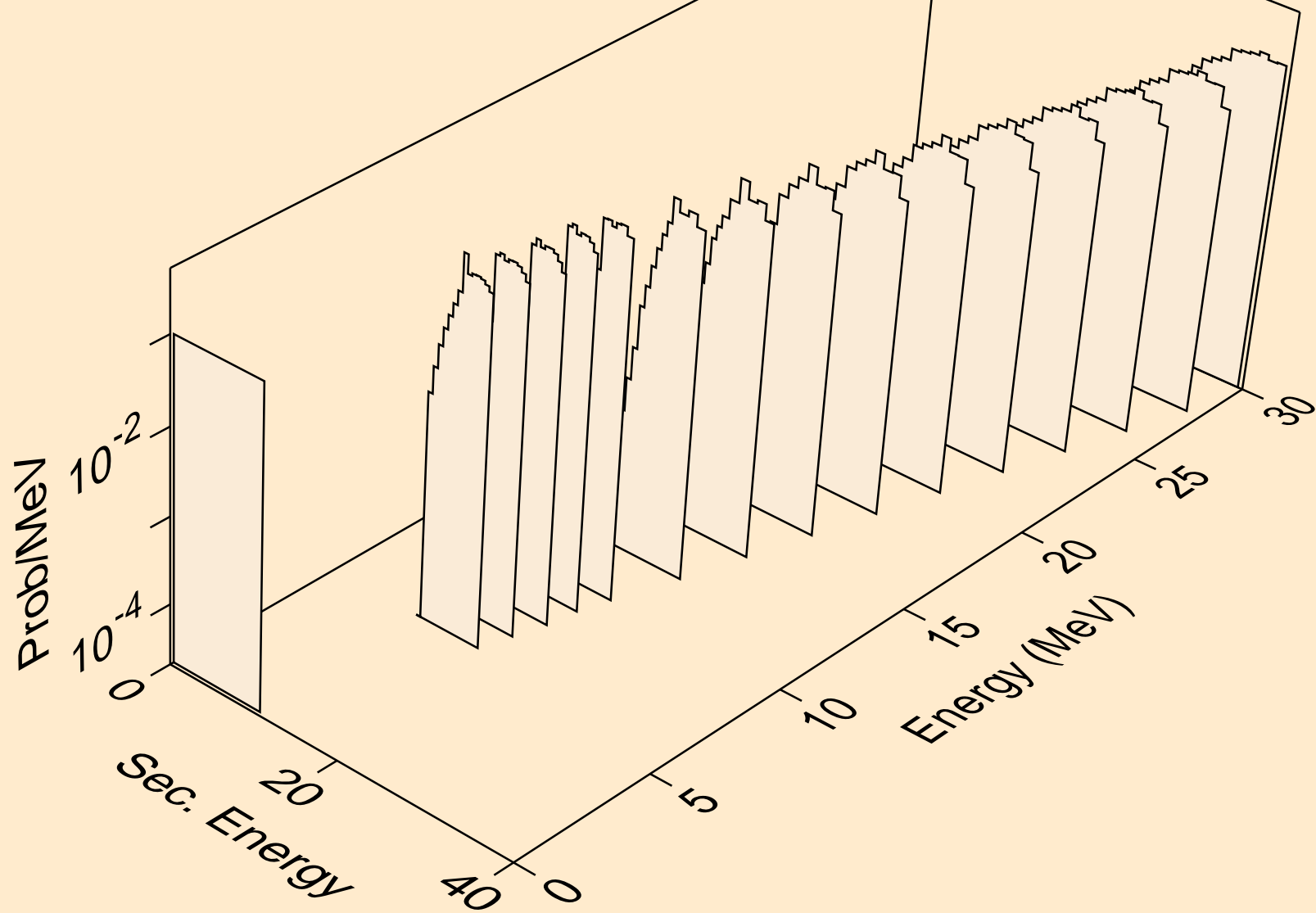




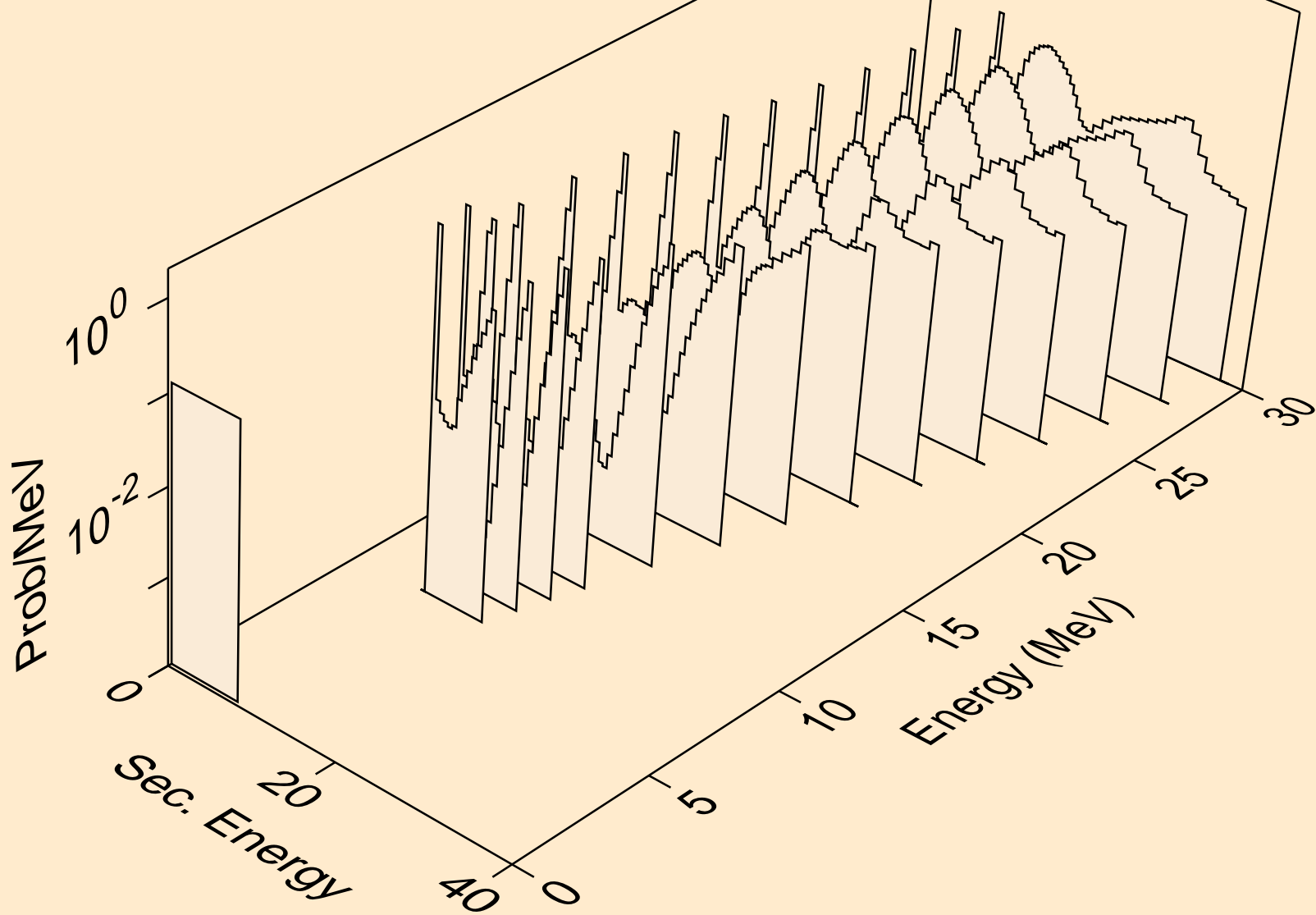
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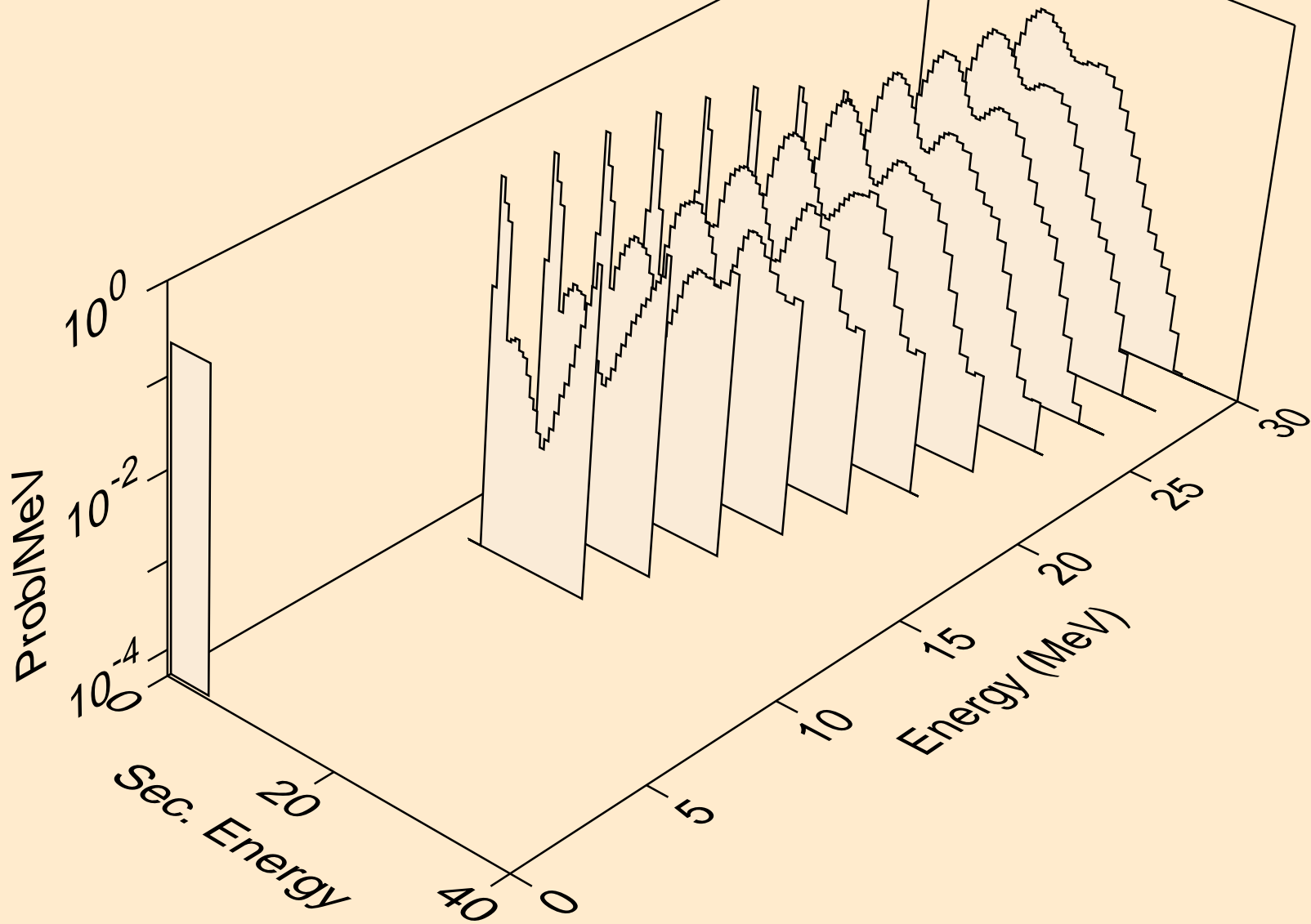
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alphas from (s,a)



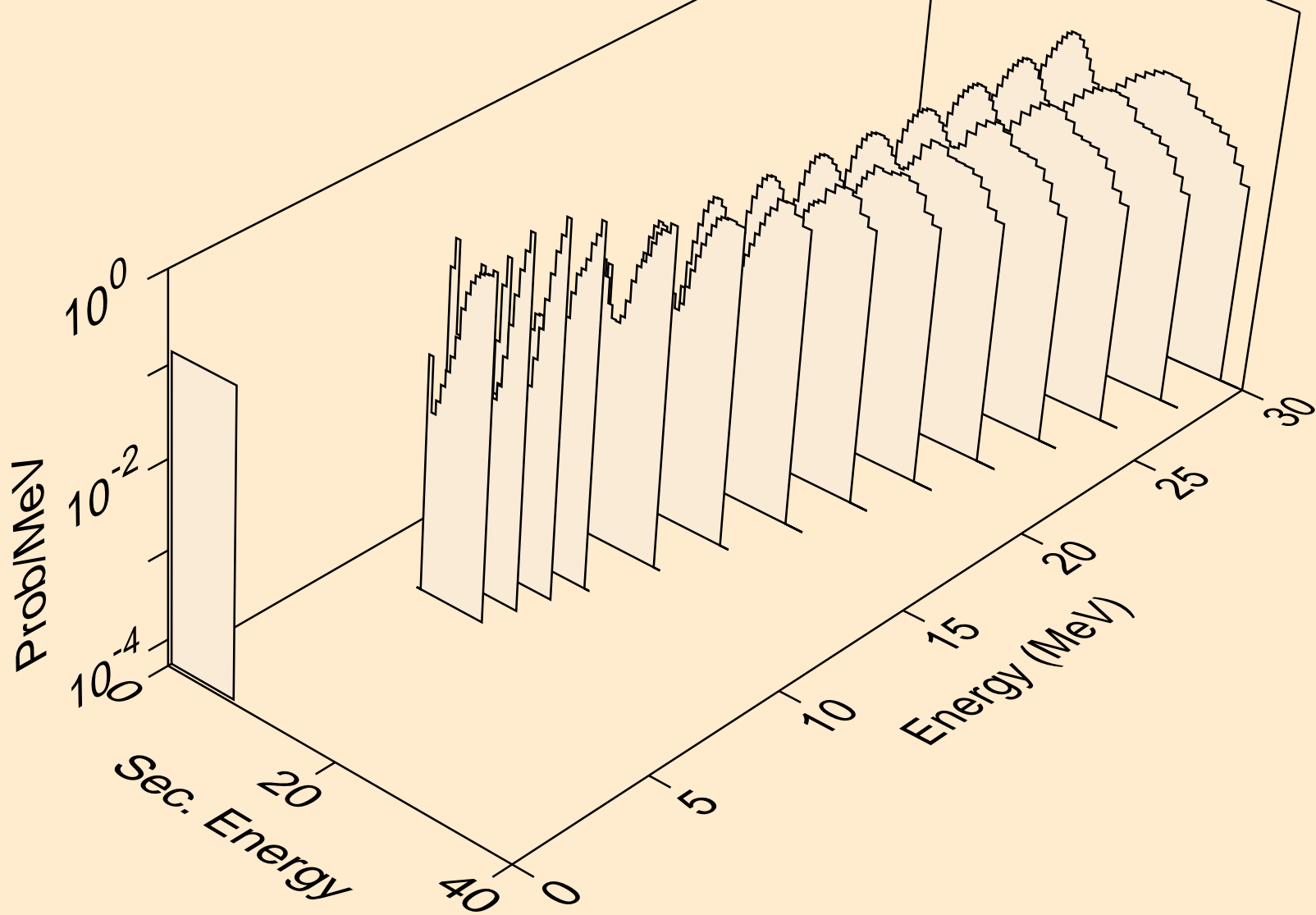
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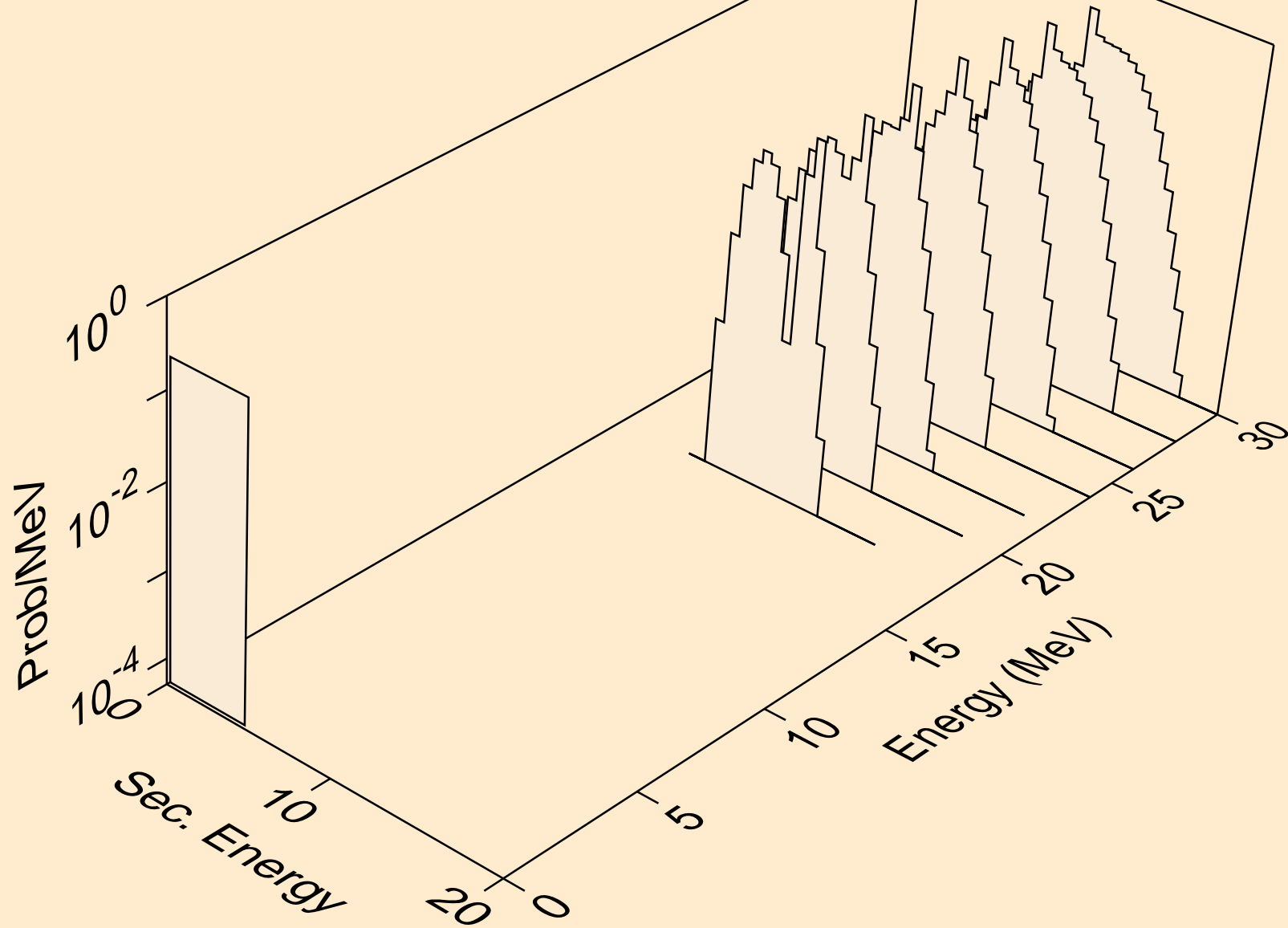
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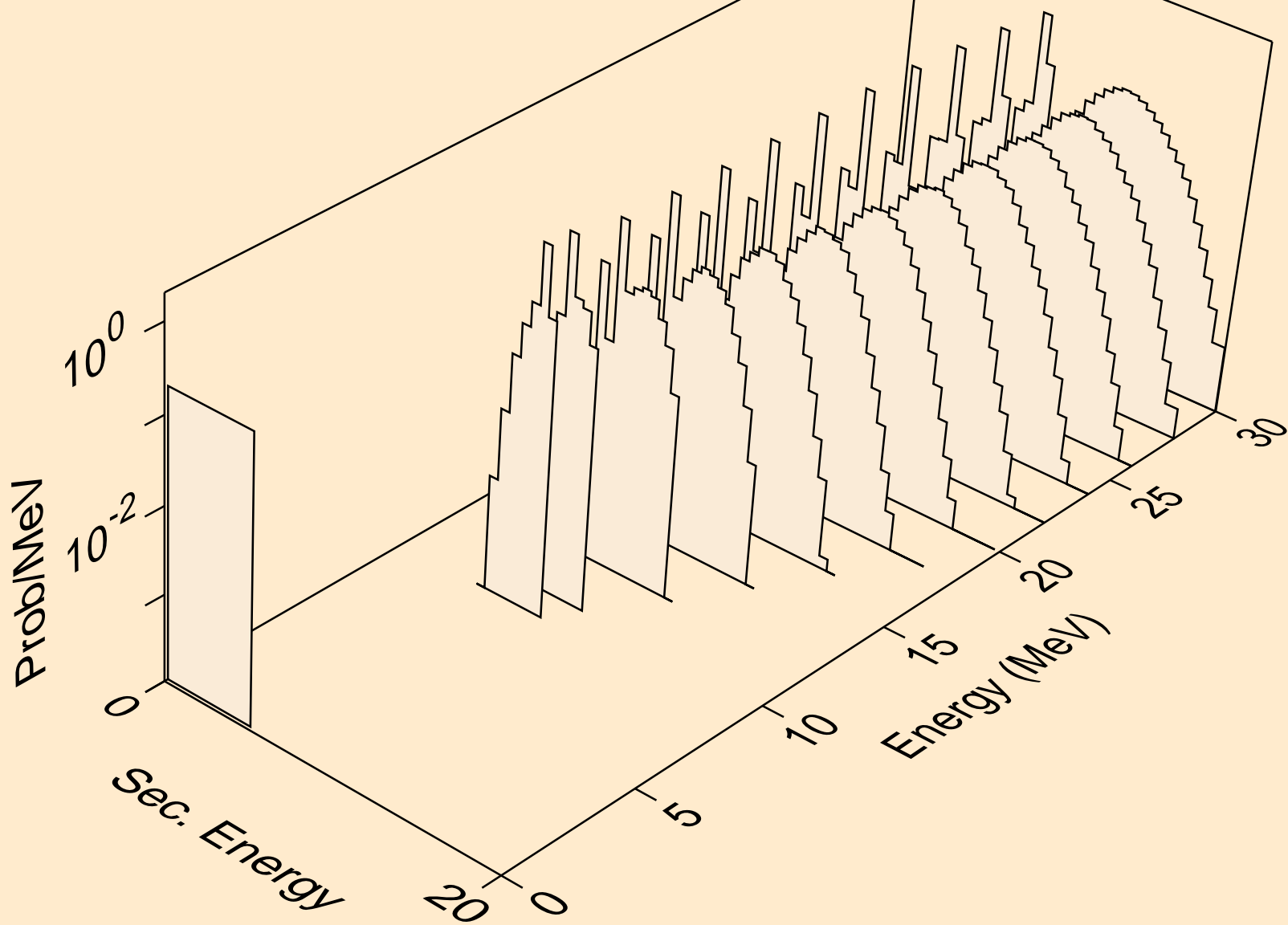
LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,pa)



LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,t2a)



LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,d2a)



LU158 HELION ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (s,da)

