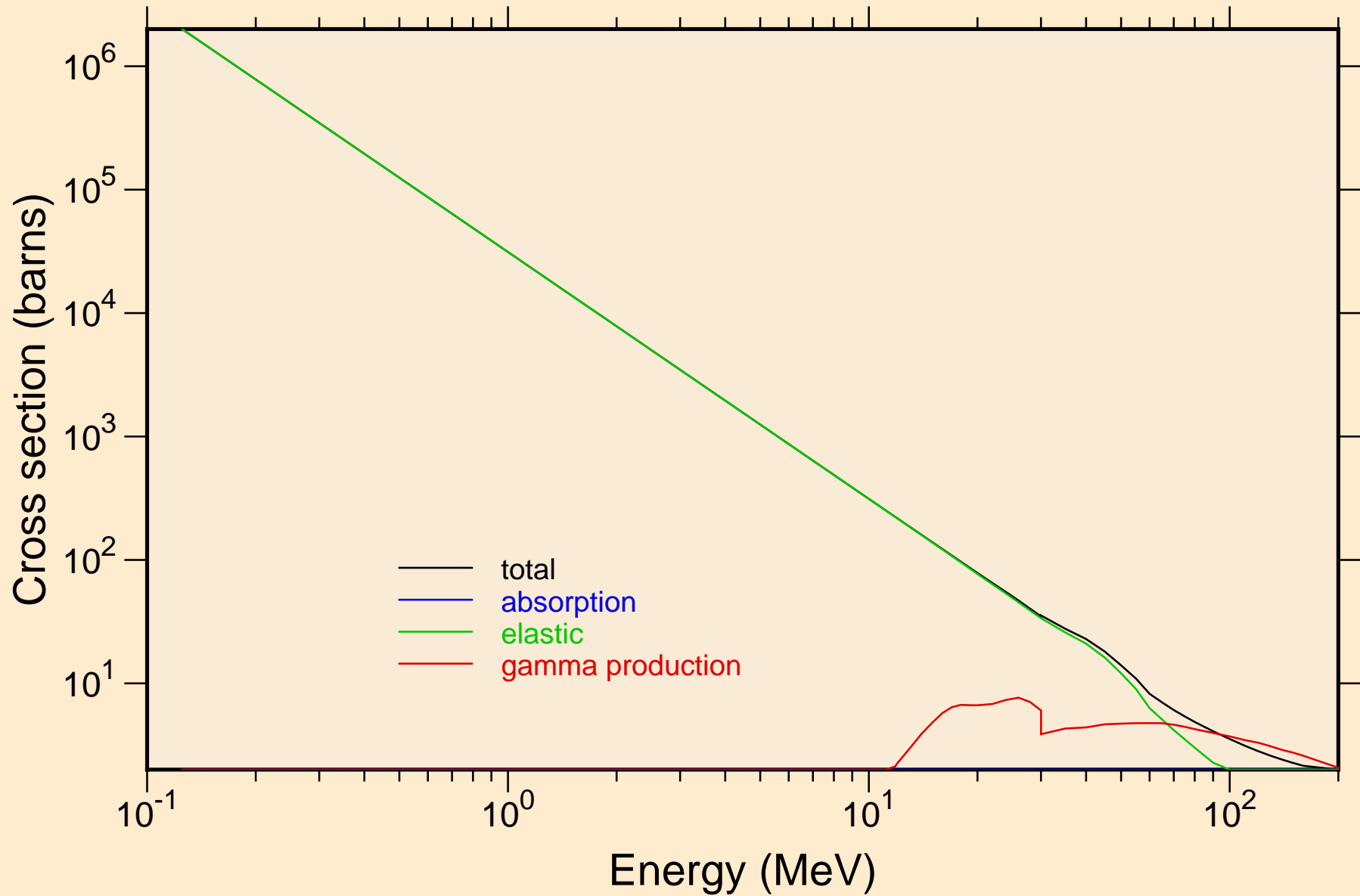
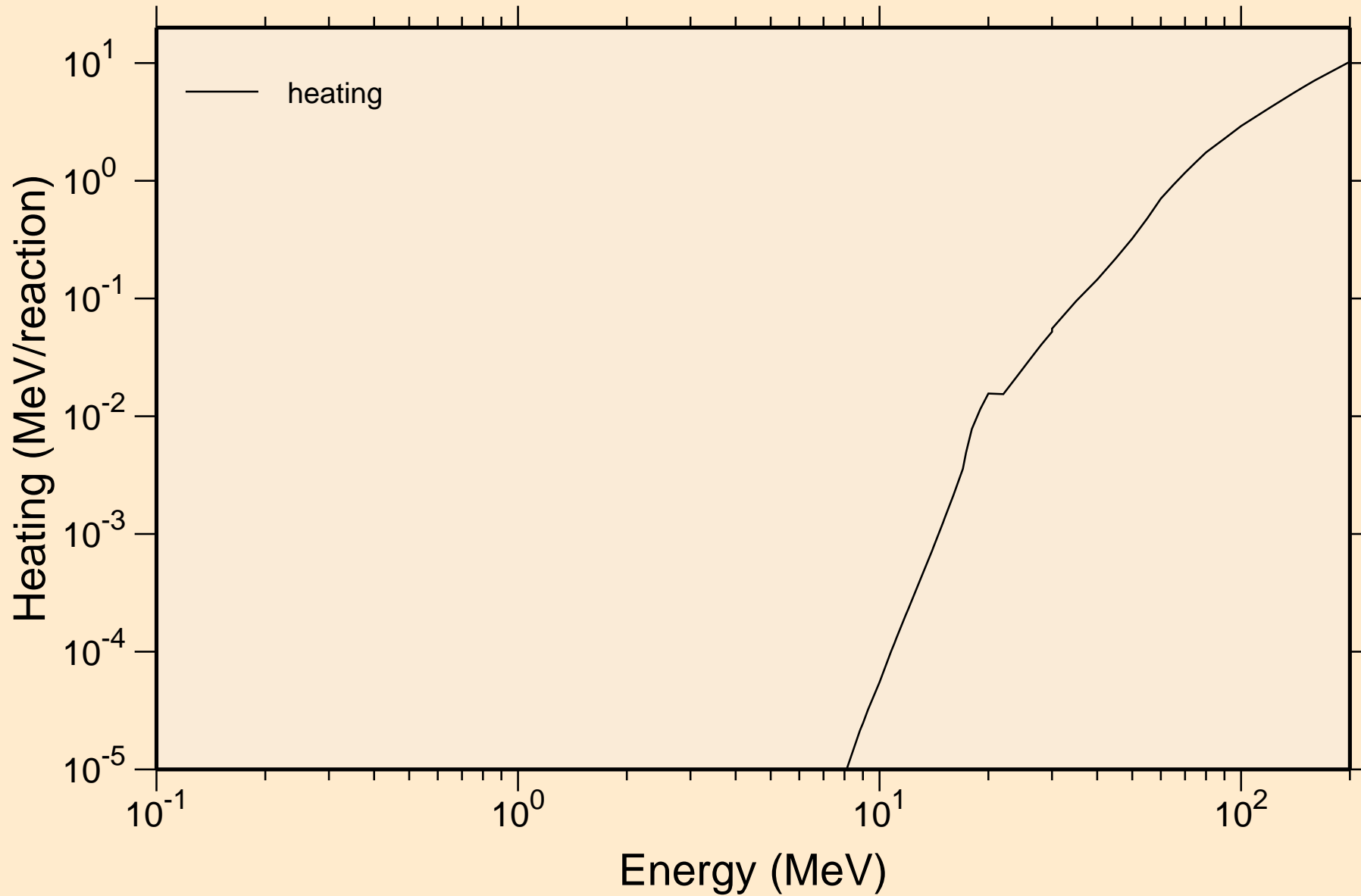


LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



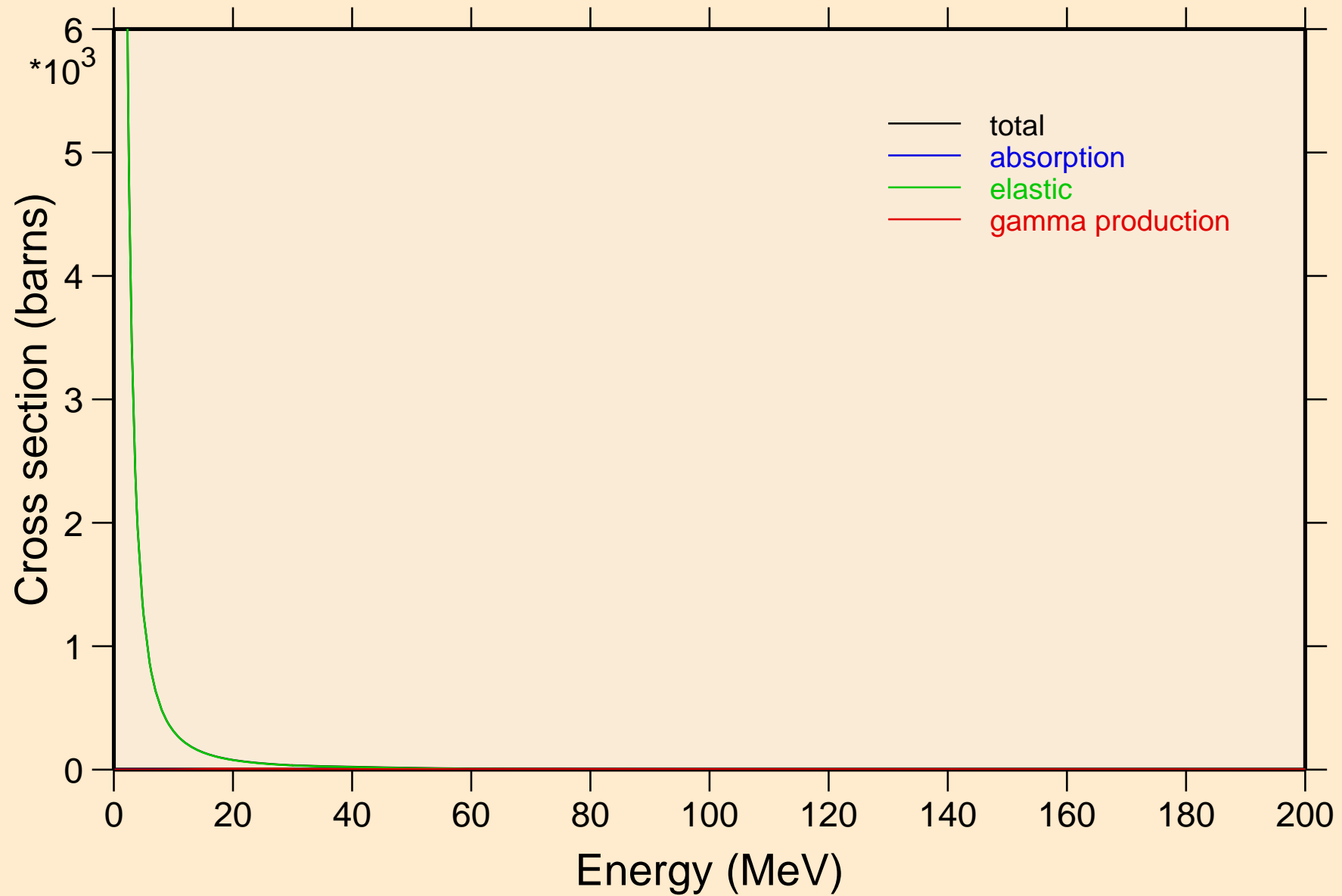
# LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



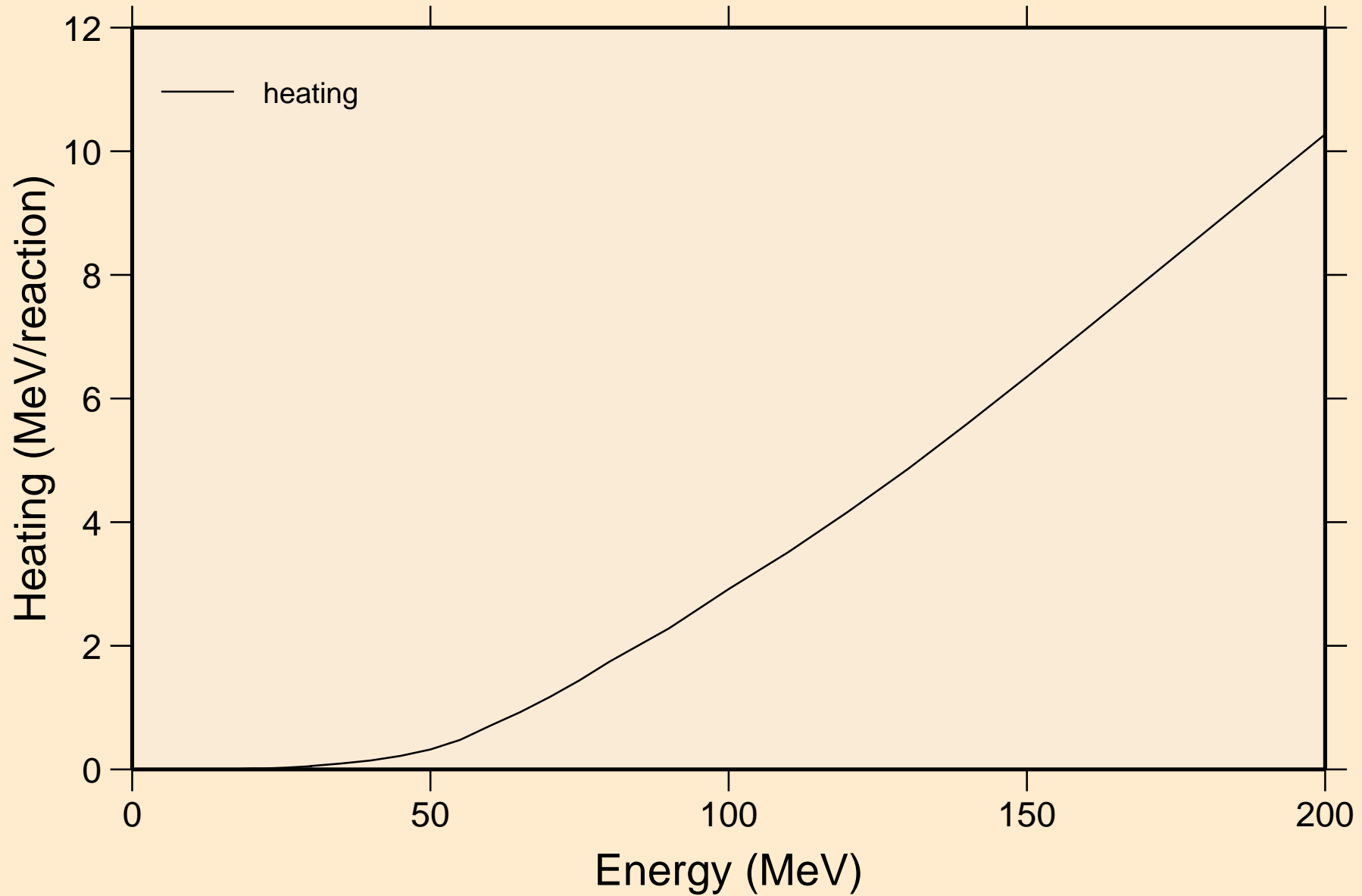
# LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



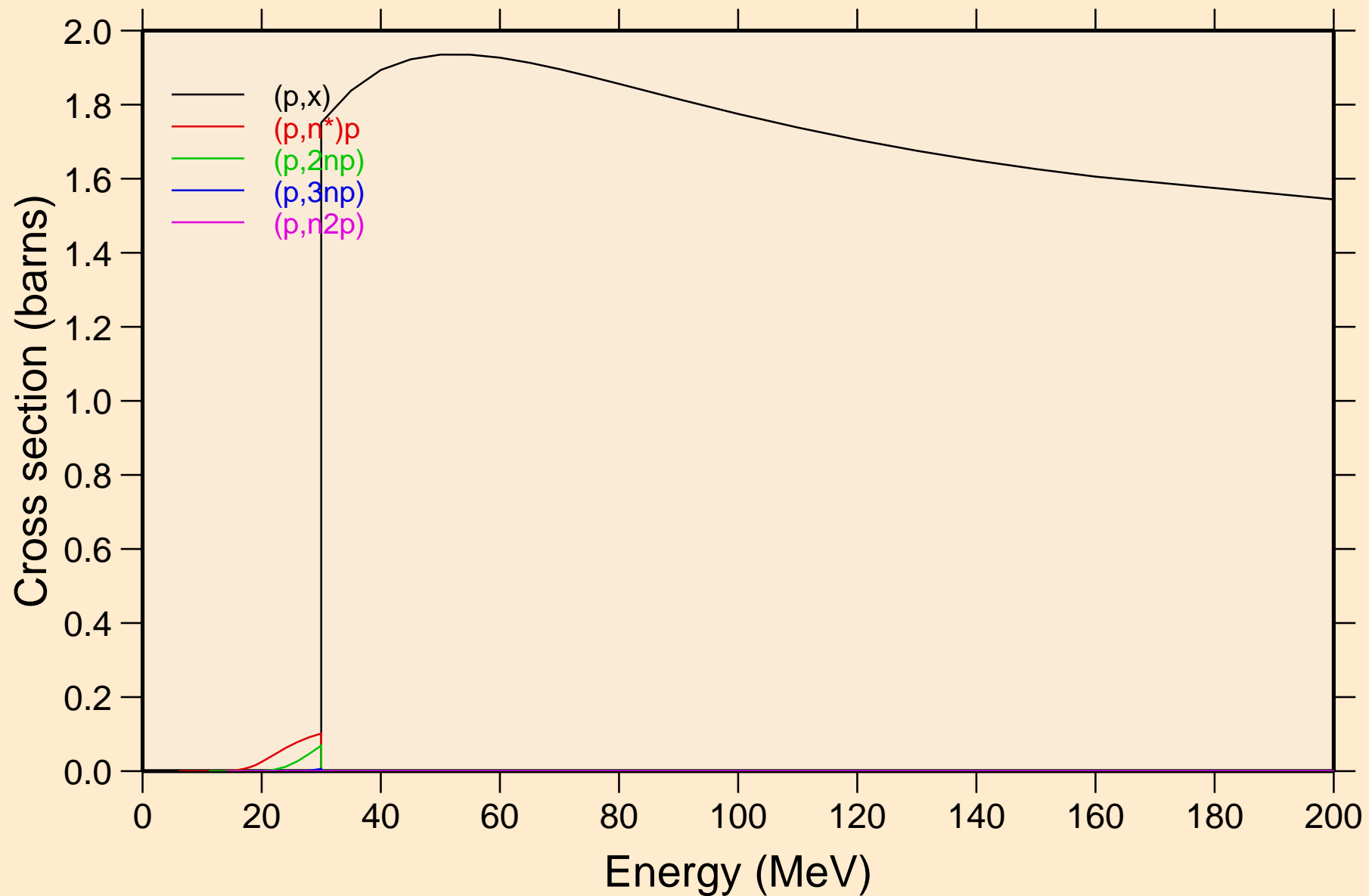
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating

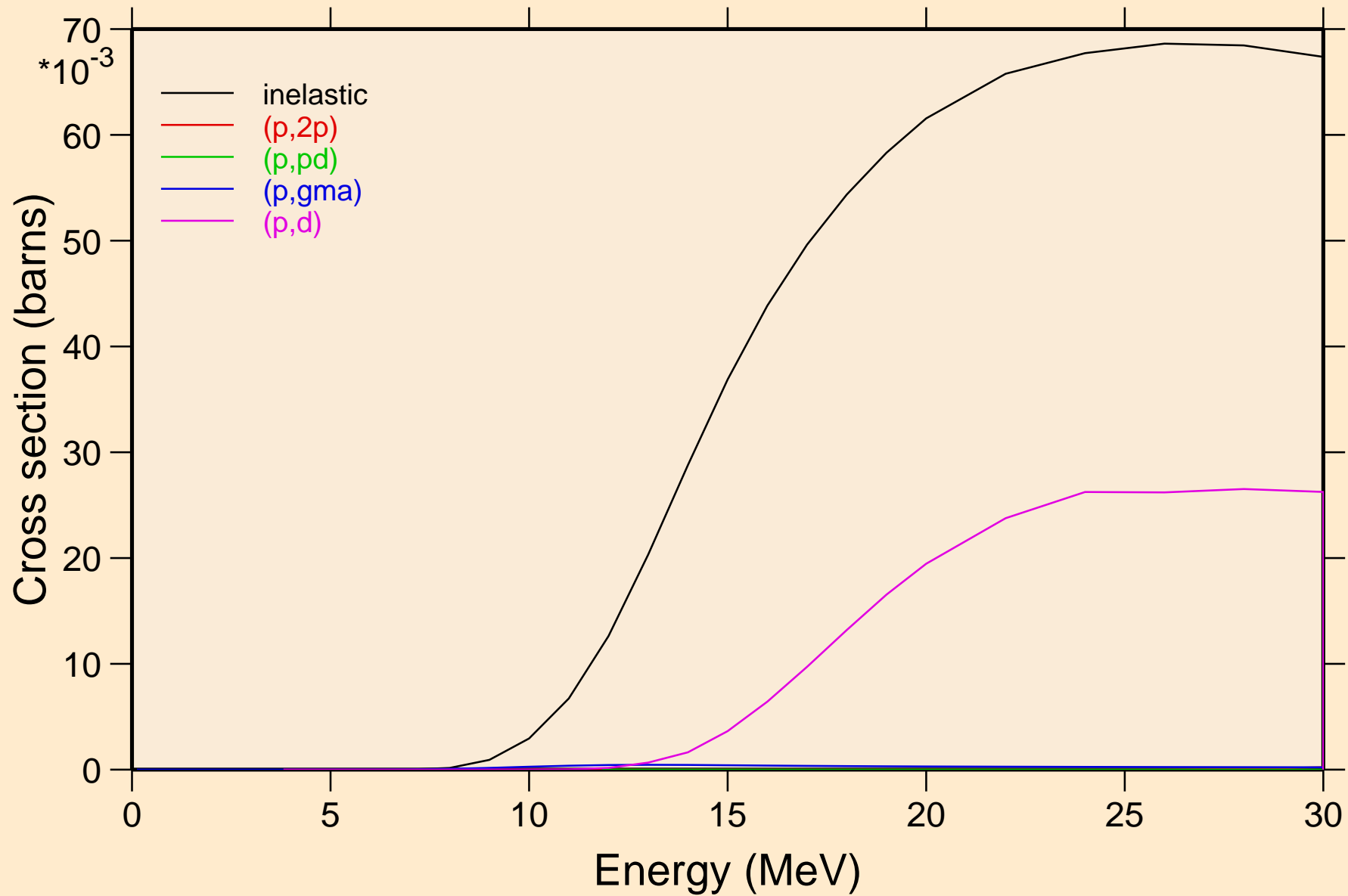


# LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K

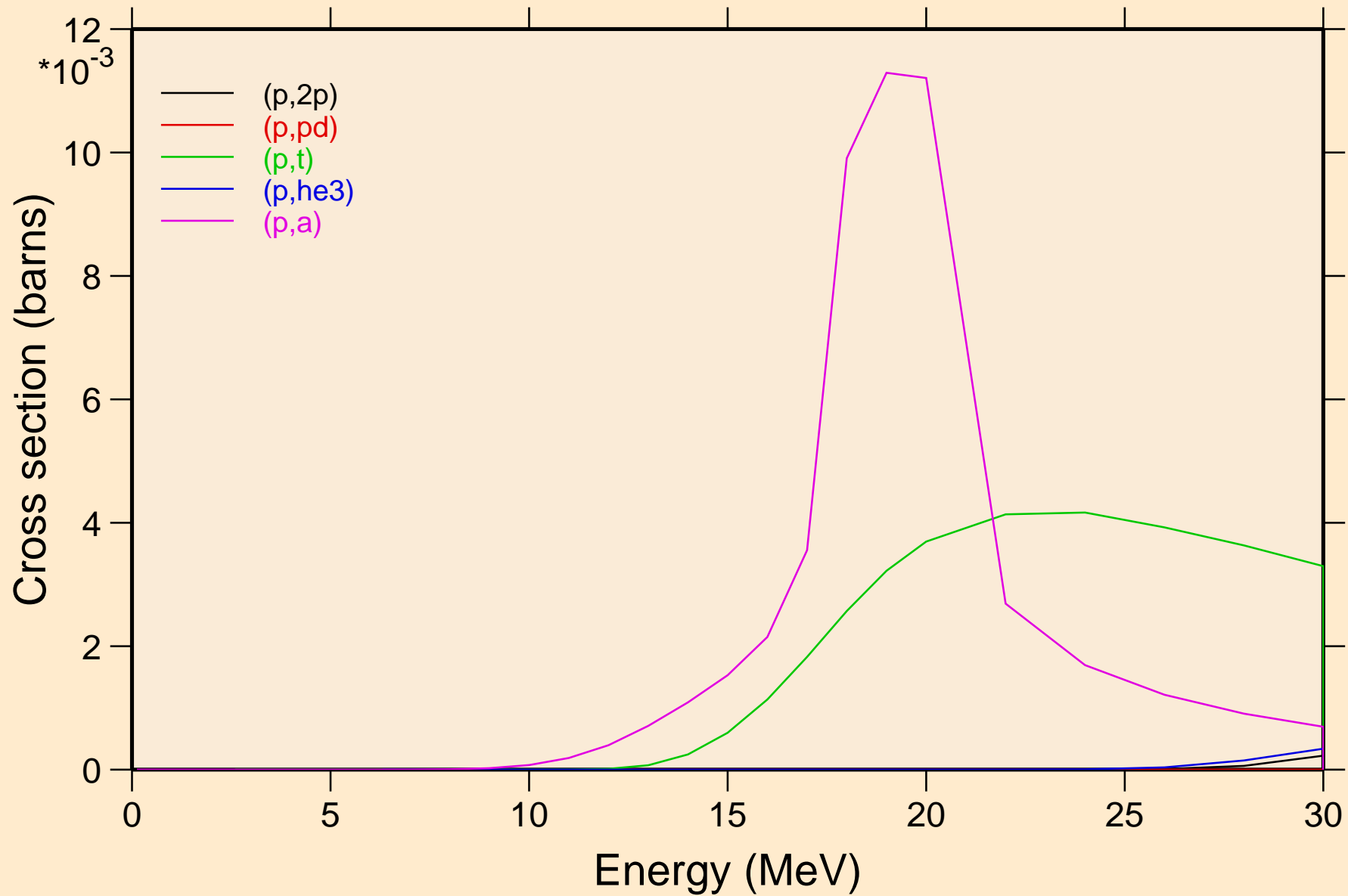
## Threshold reactions



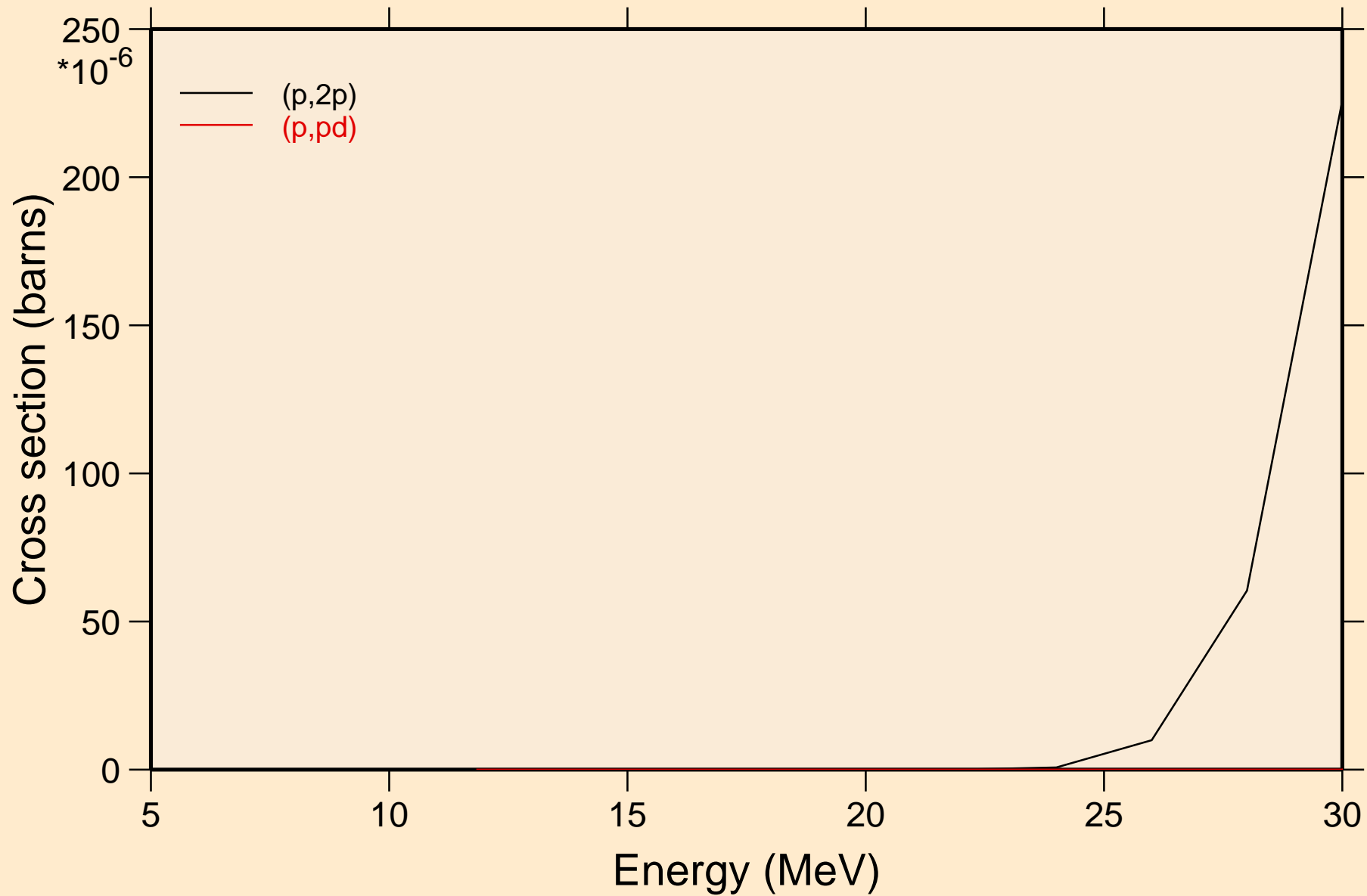
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

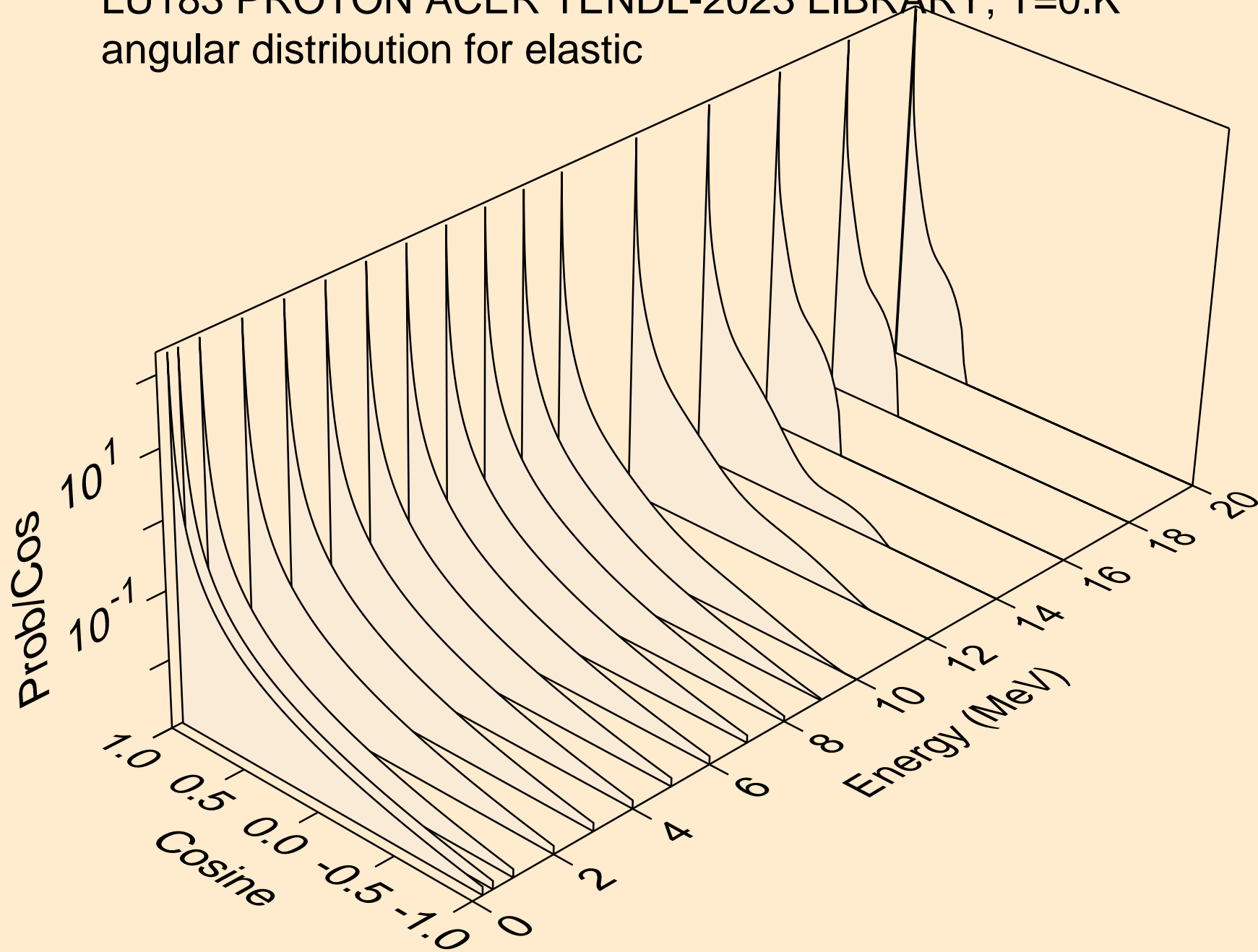


LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

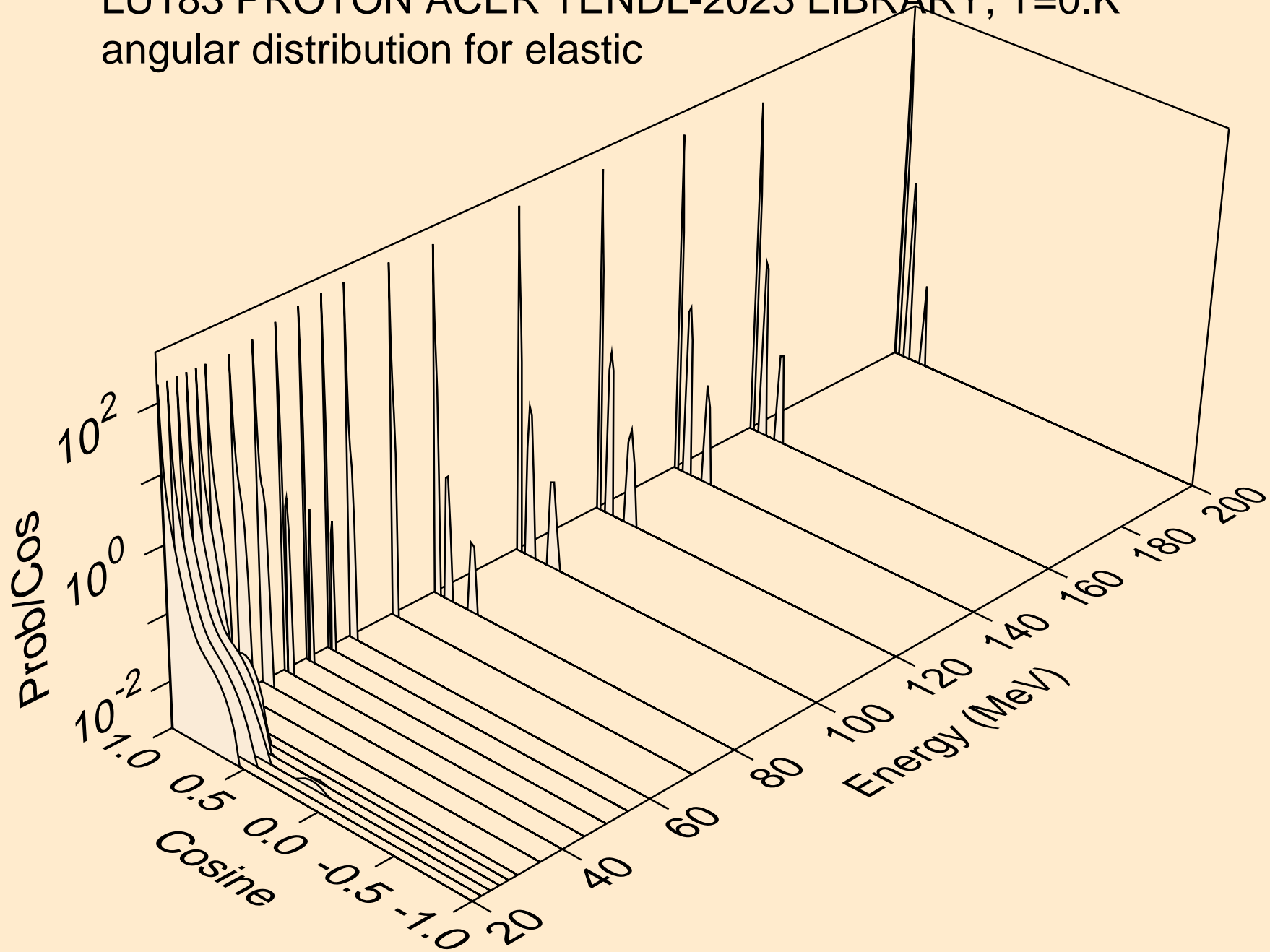




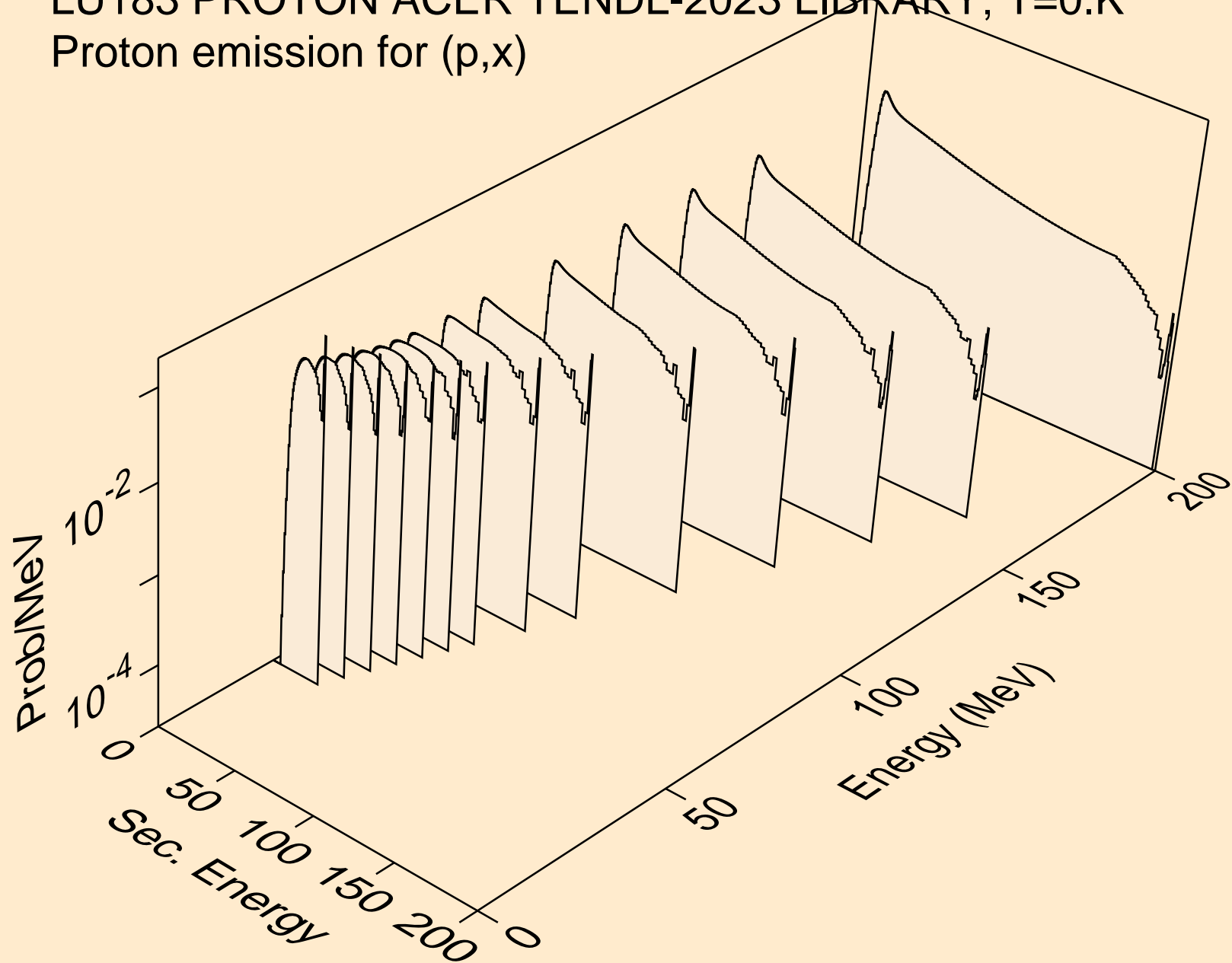
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



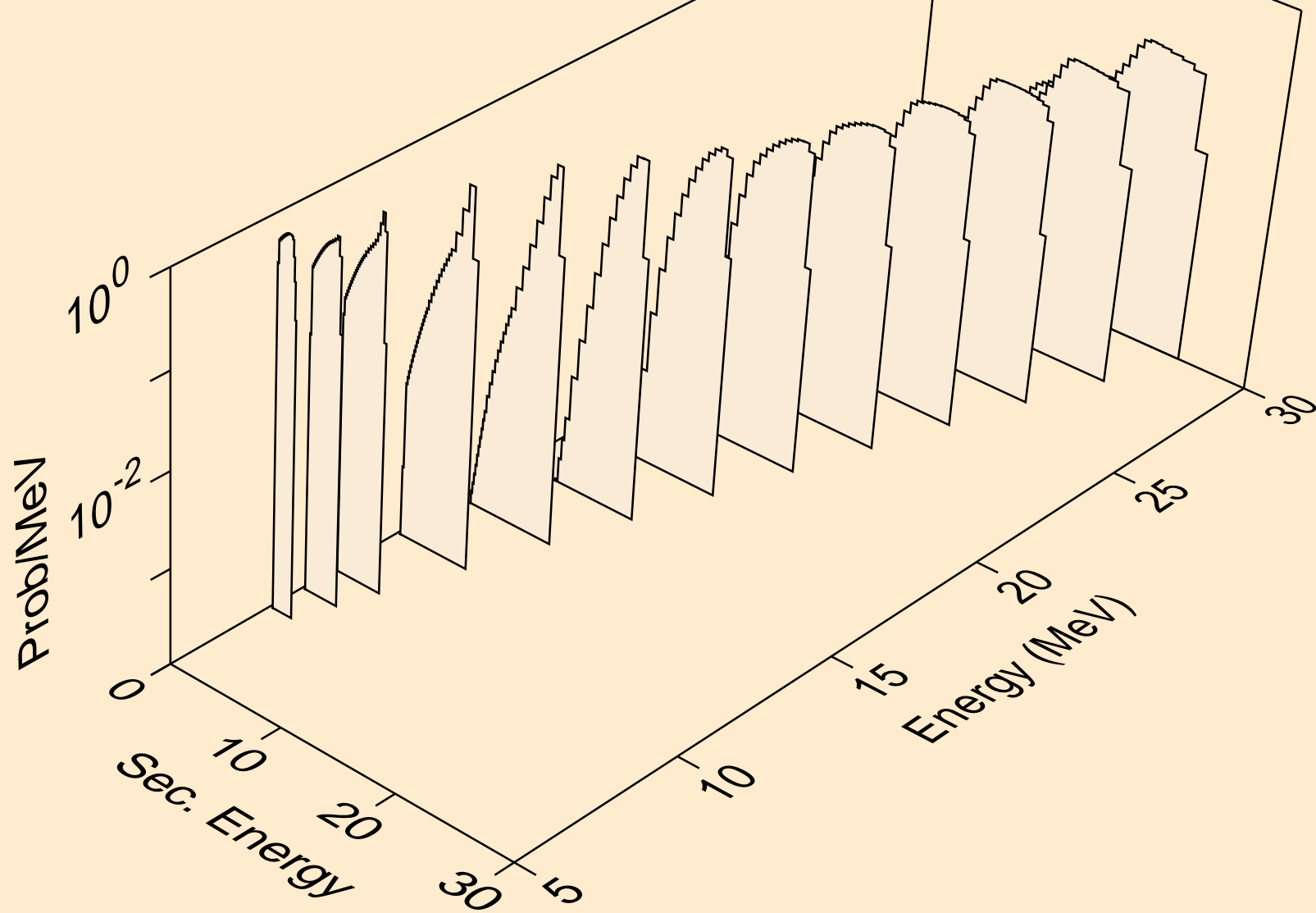
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



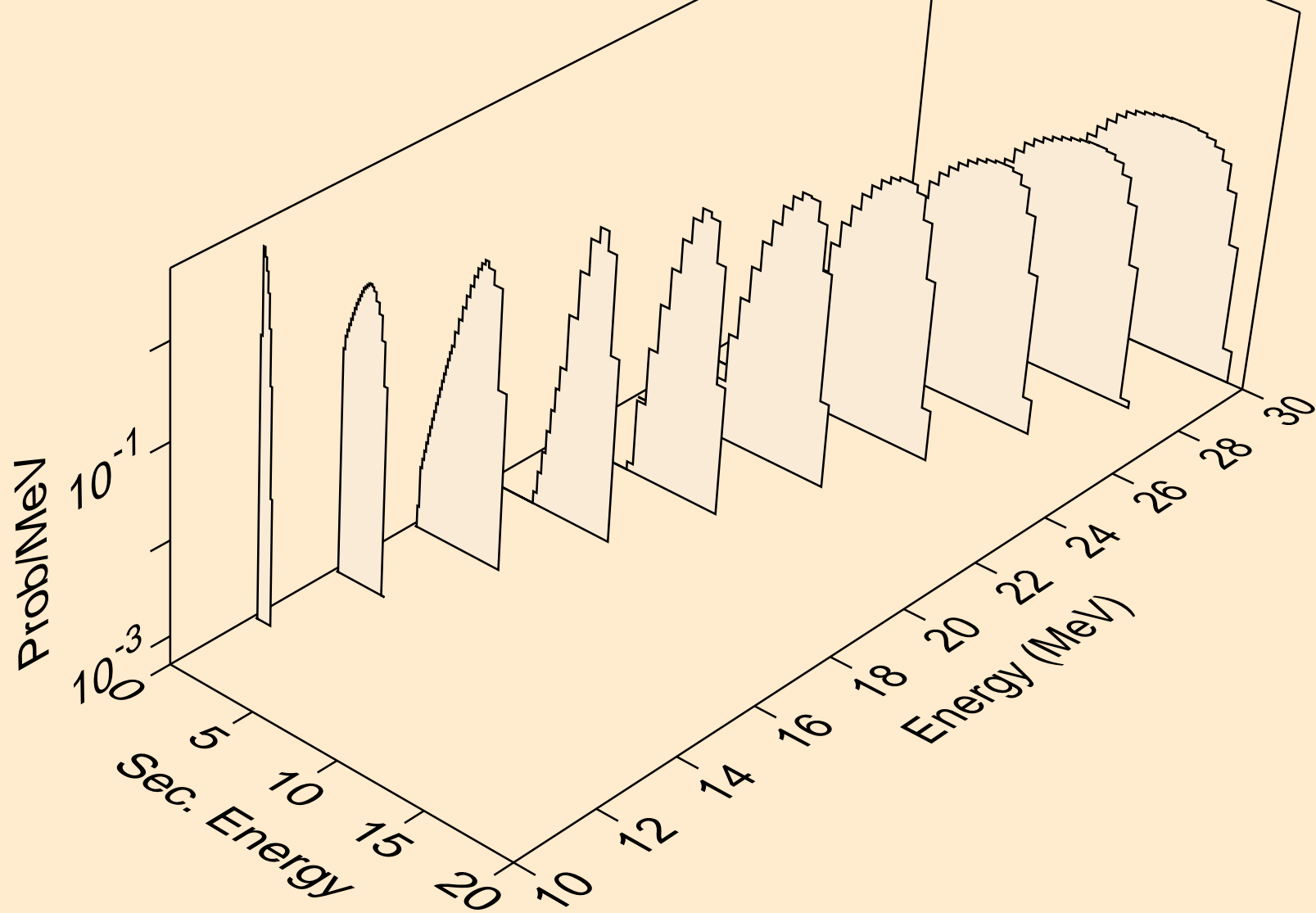
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



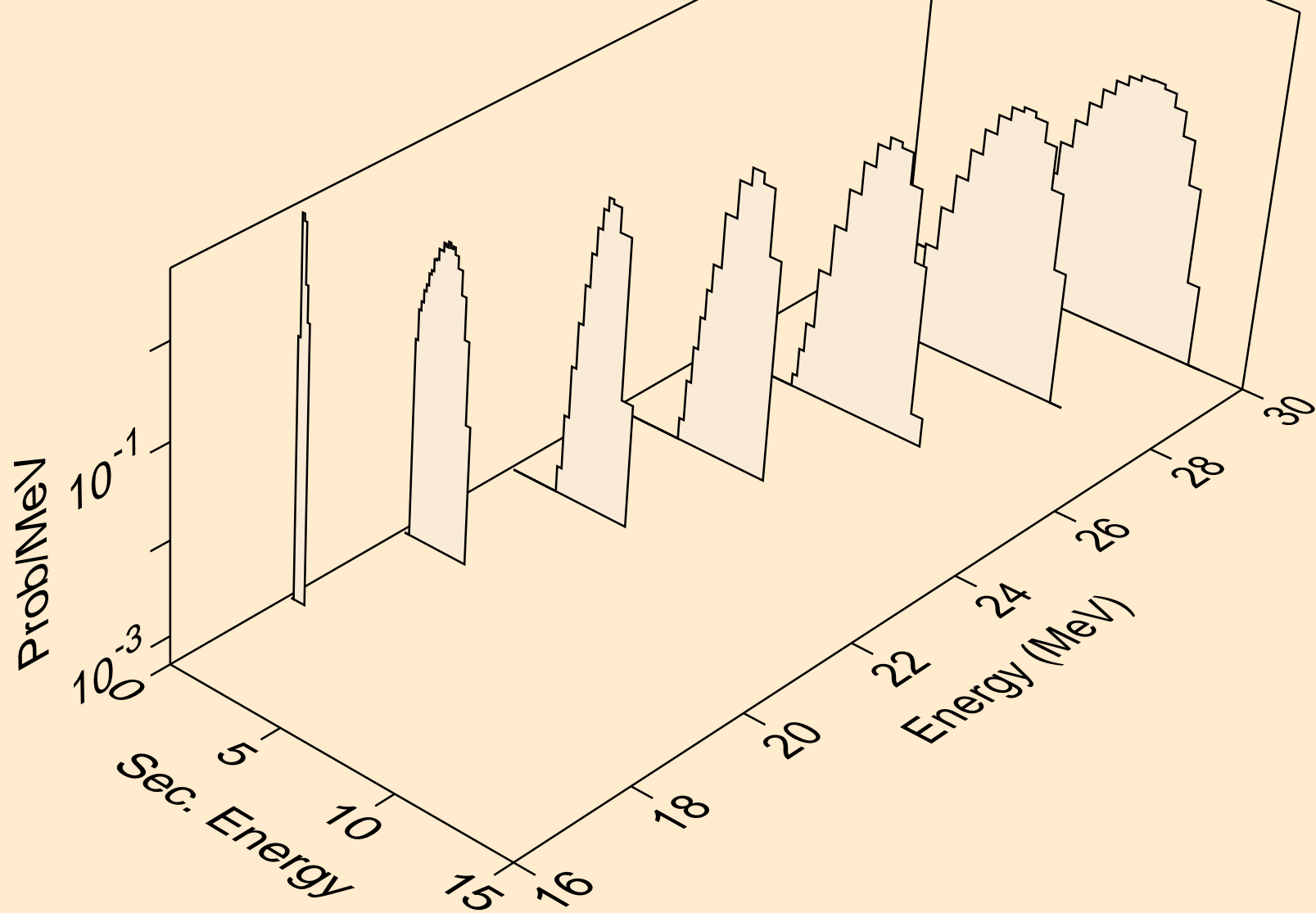
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



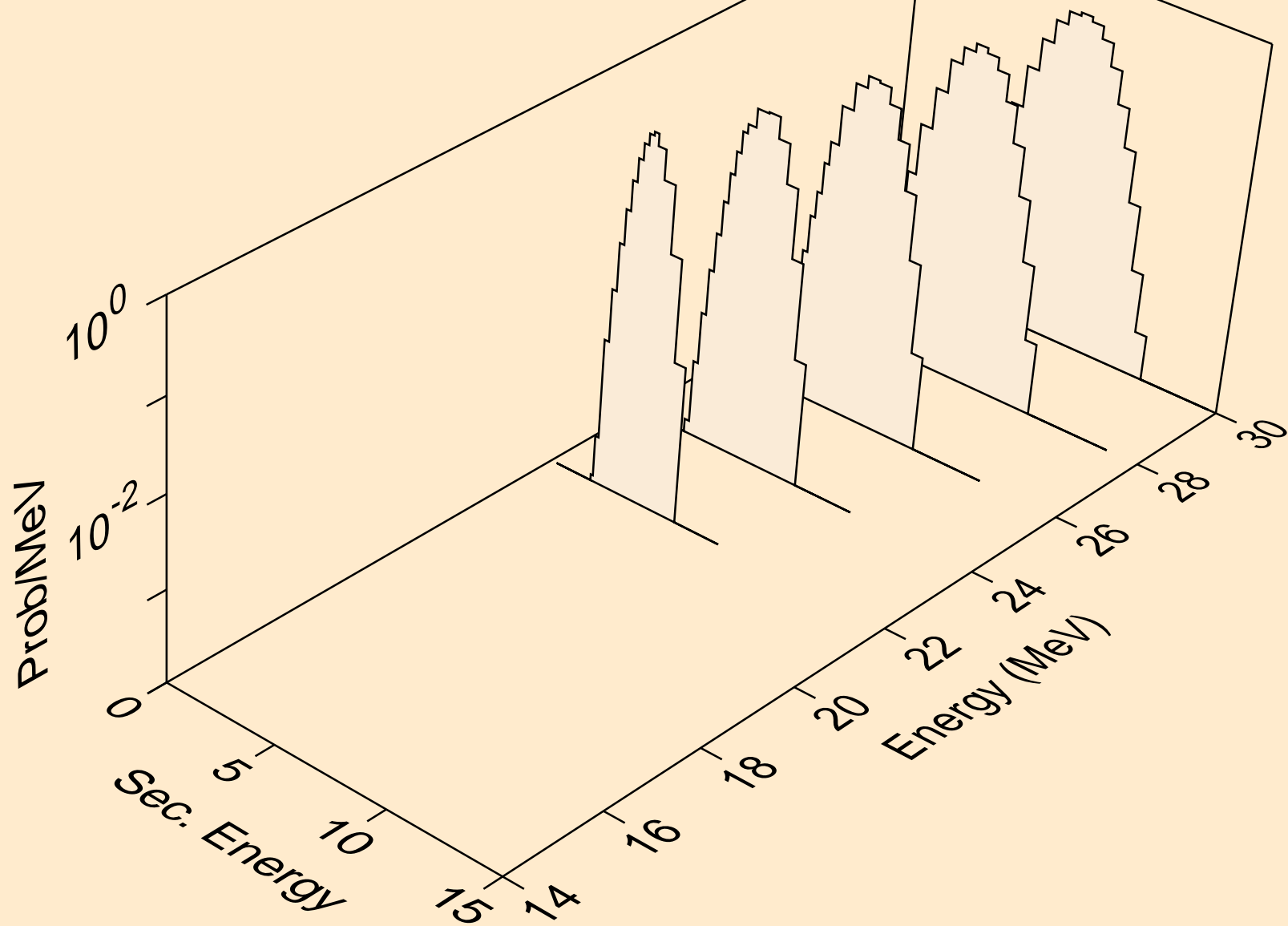
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



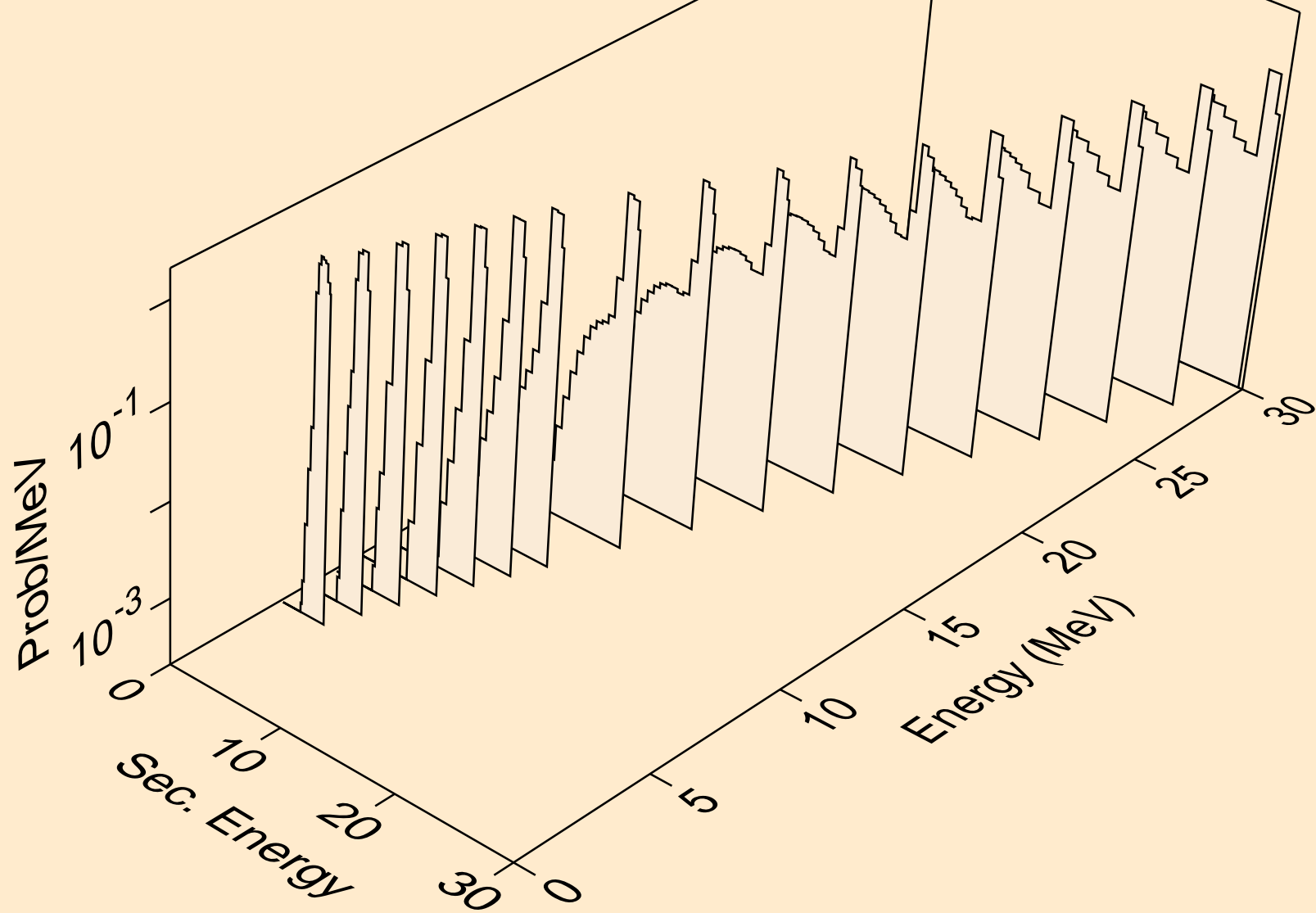
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,3np)



LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)

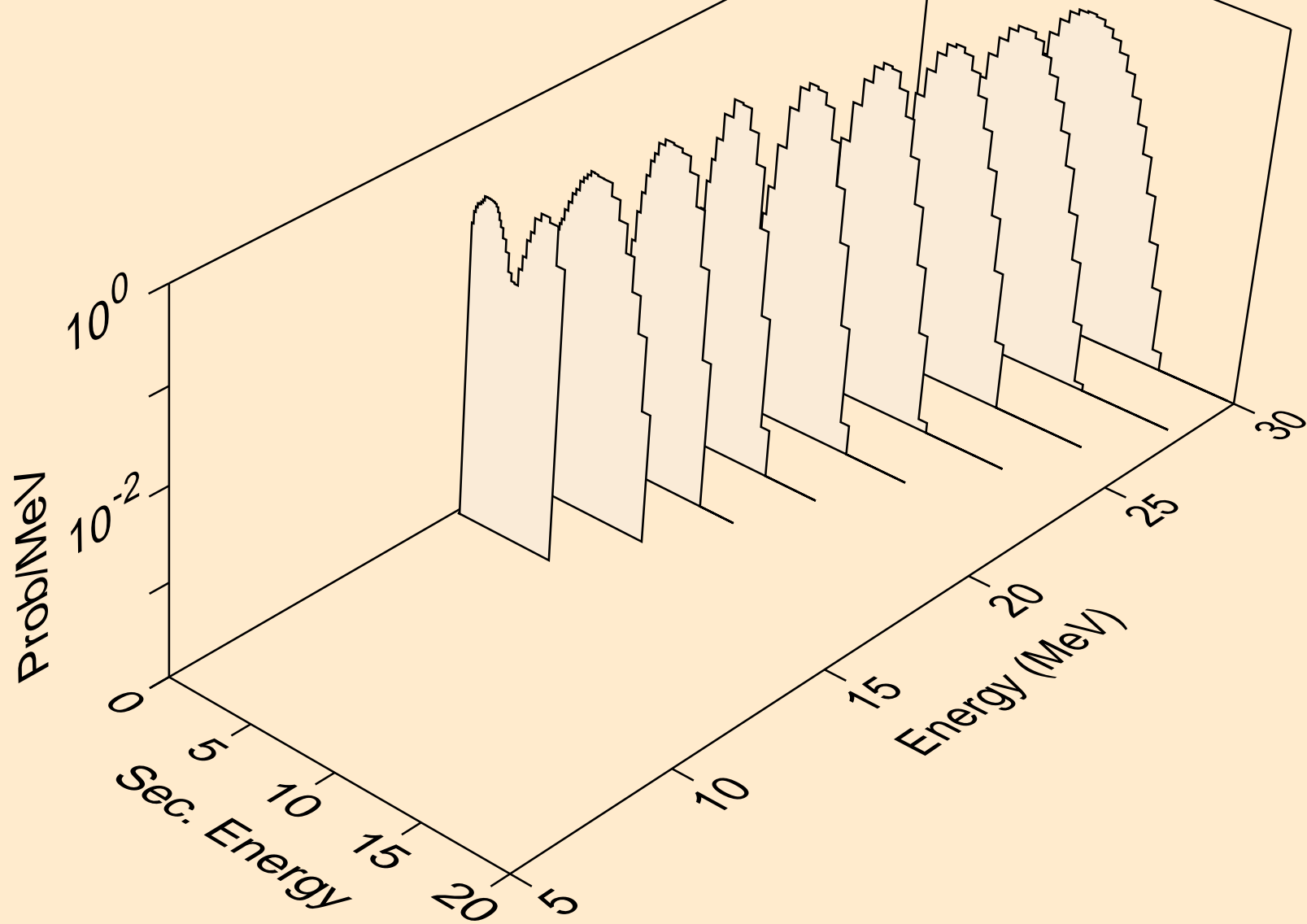


LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

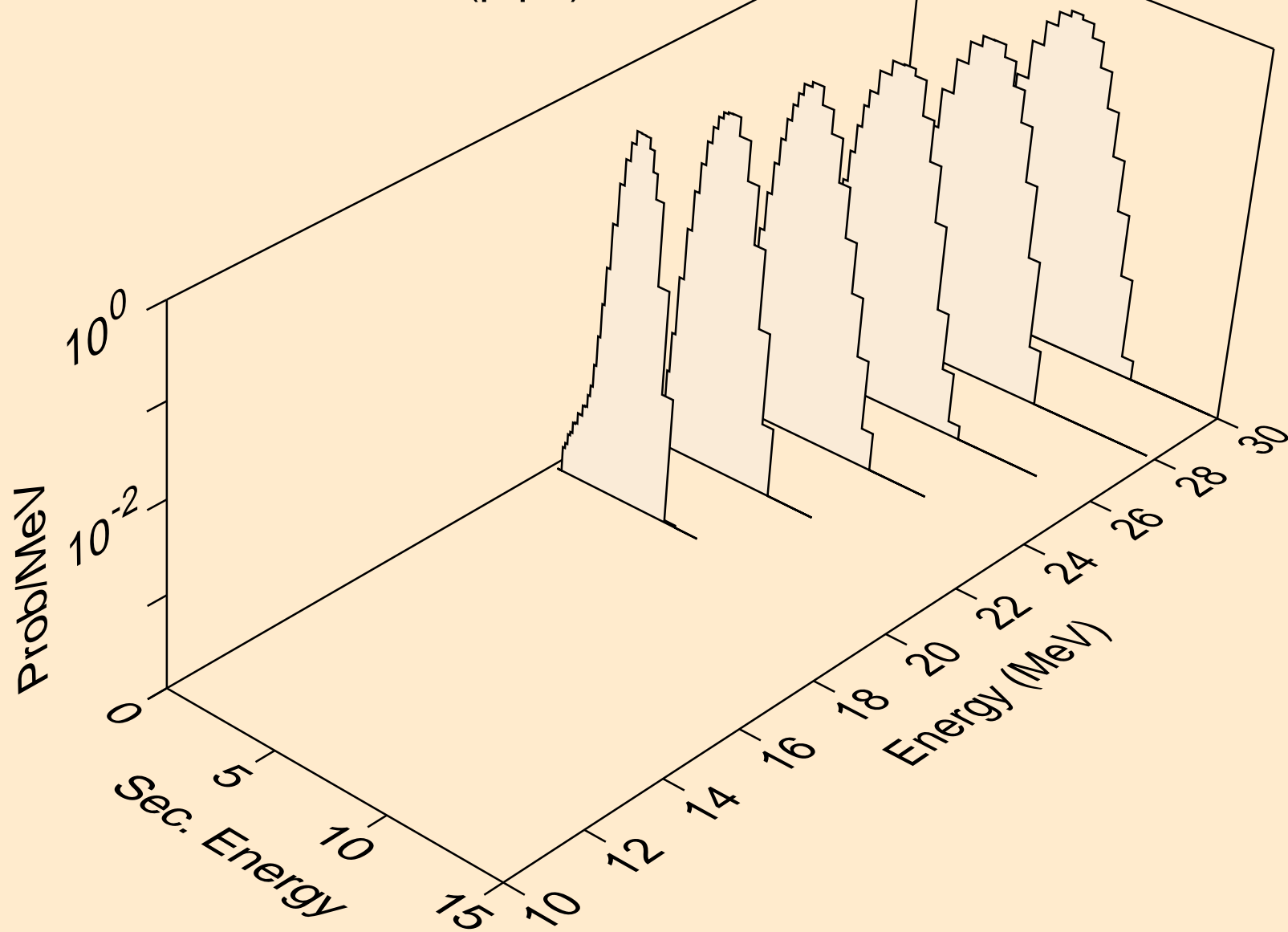




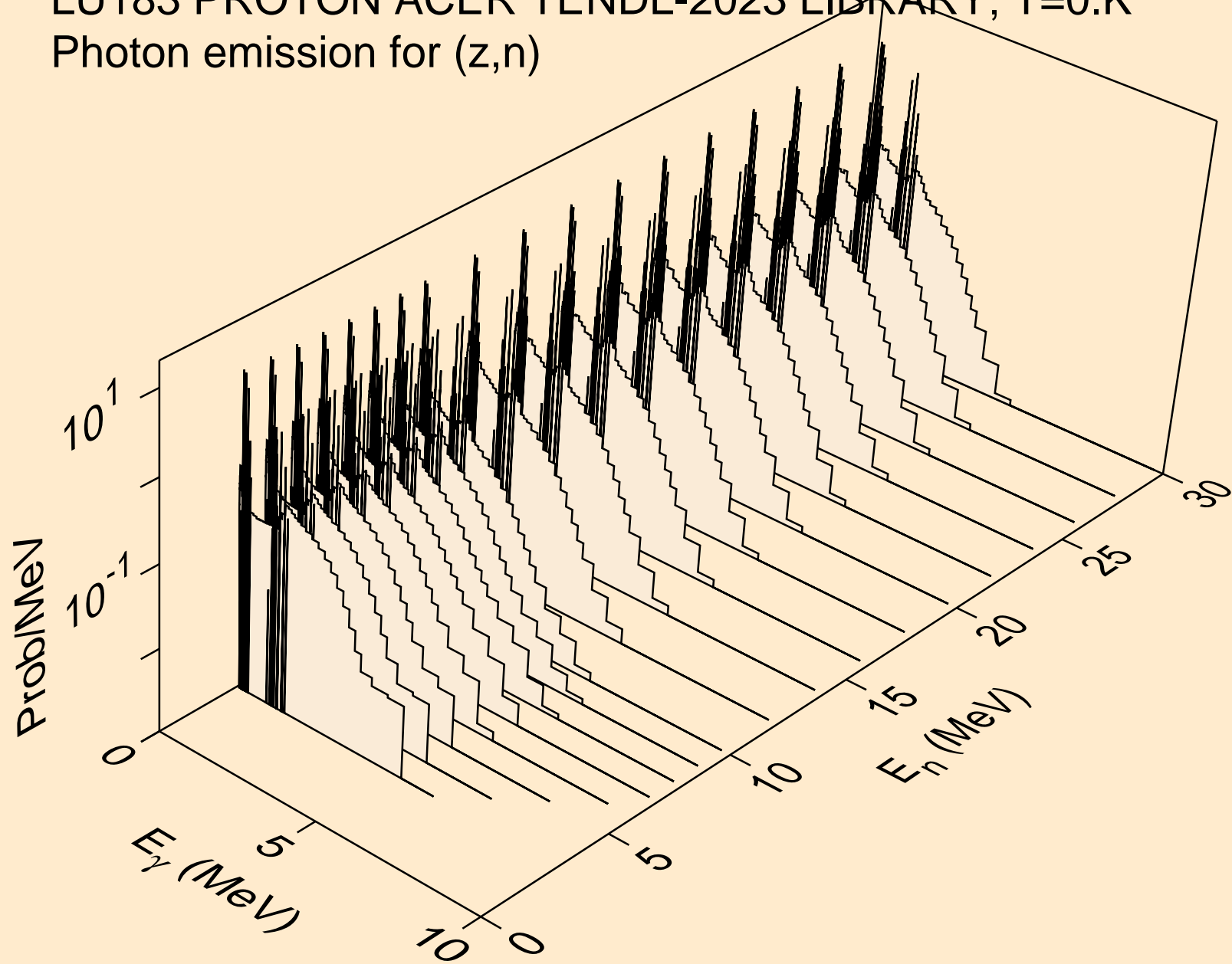
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Proton emission for (p,2p)



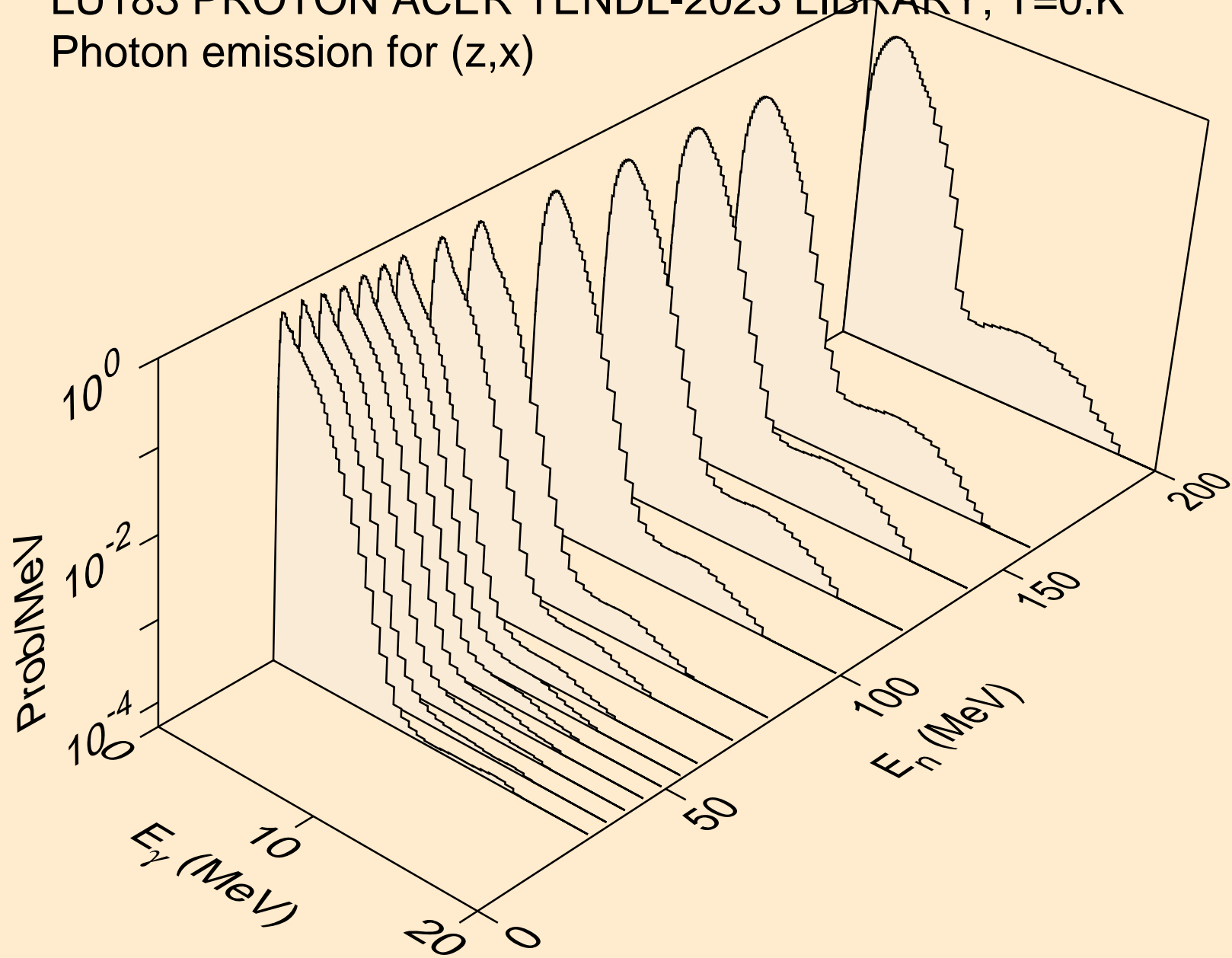
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pd)



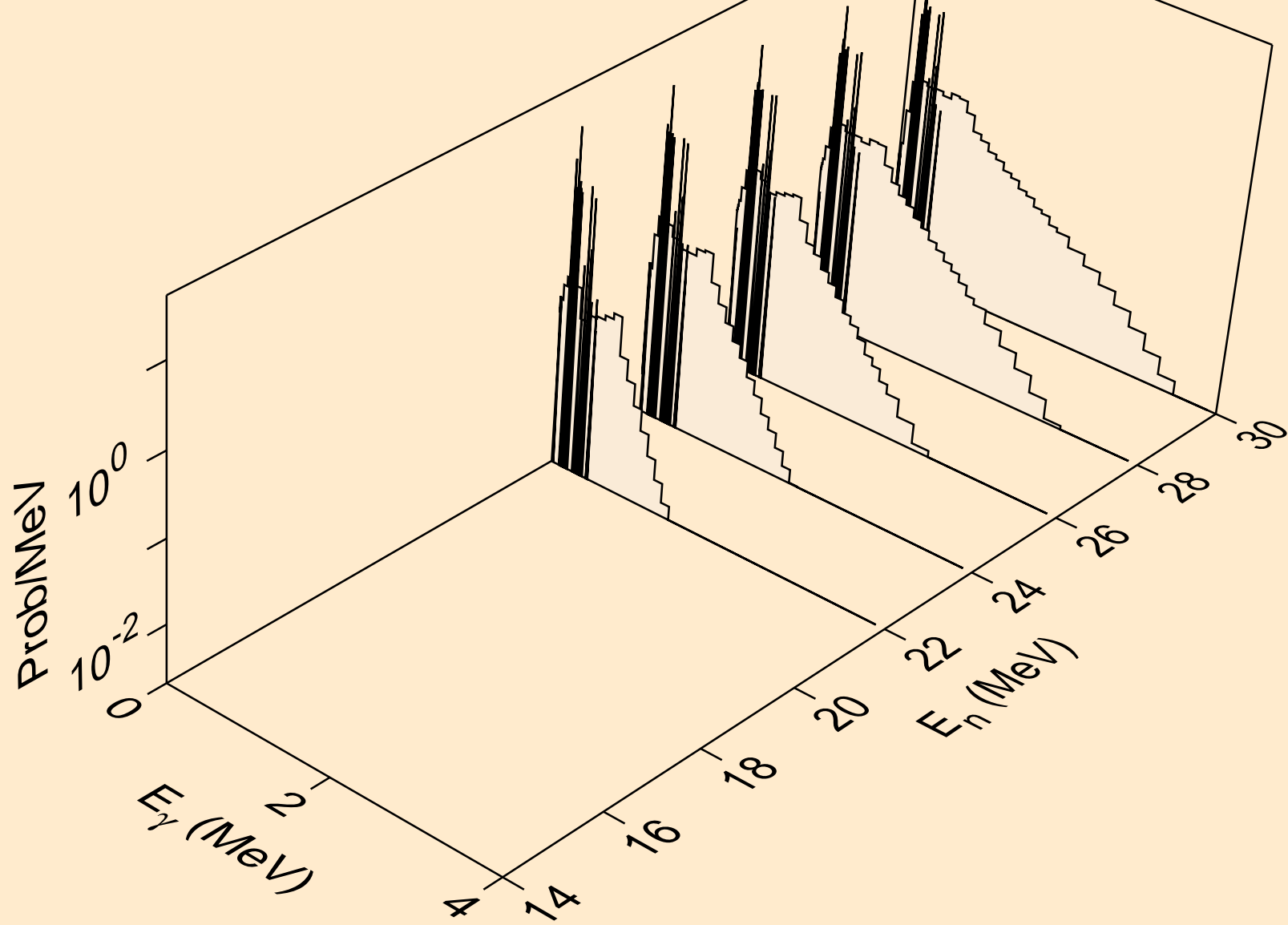
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



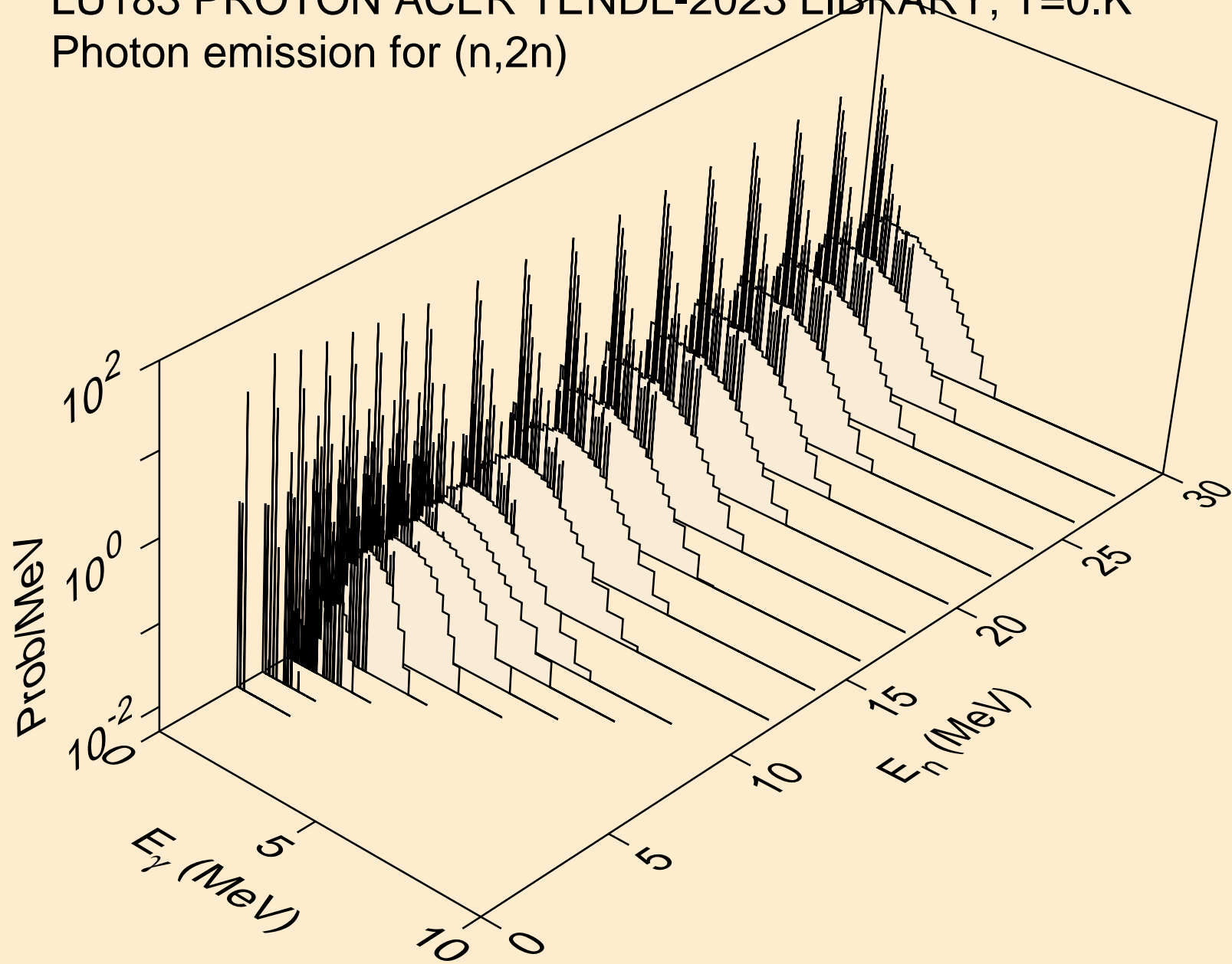
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



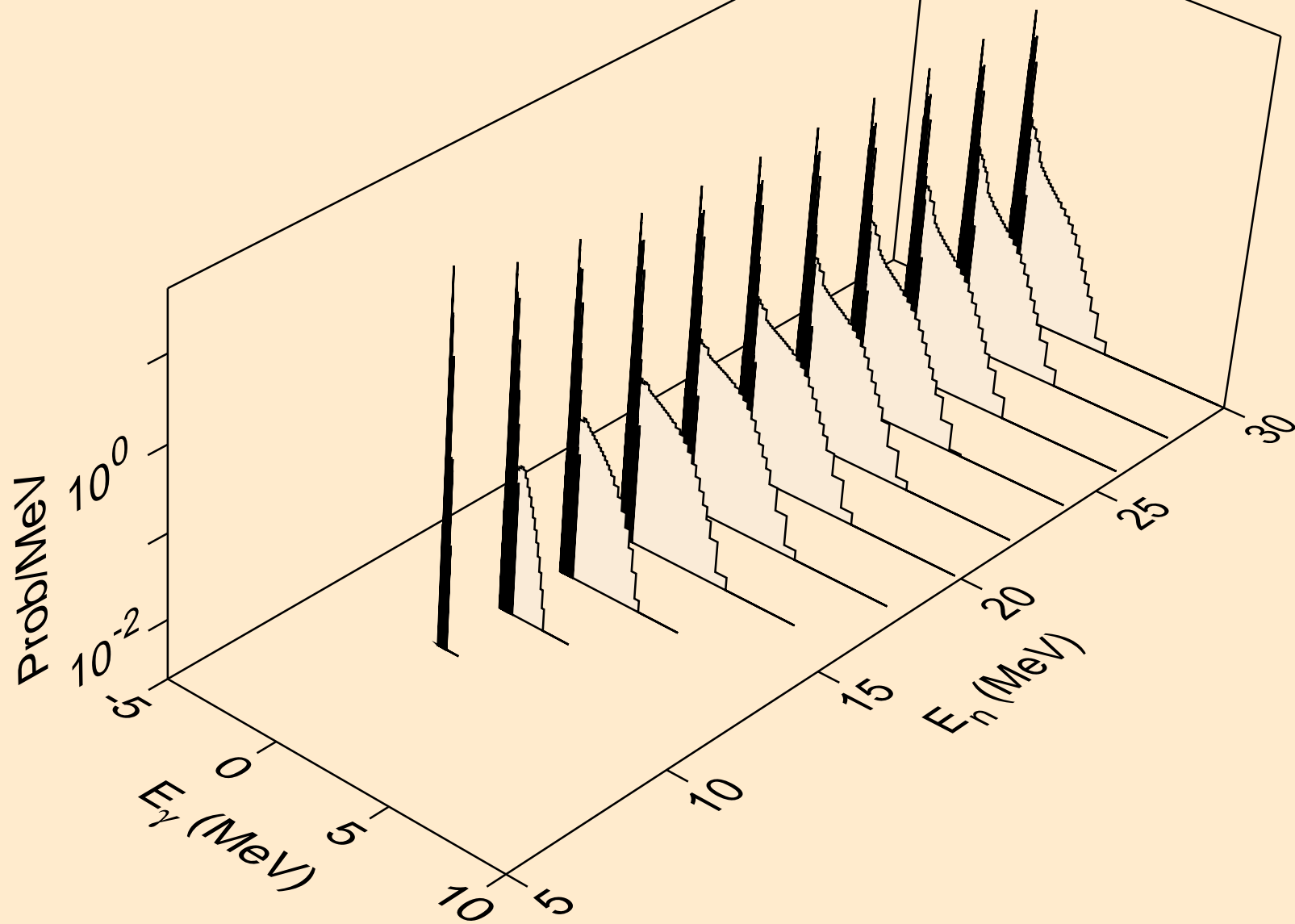
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



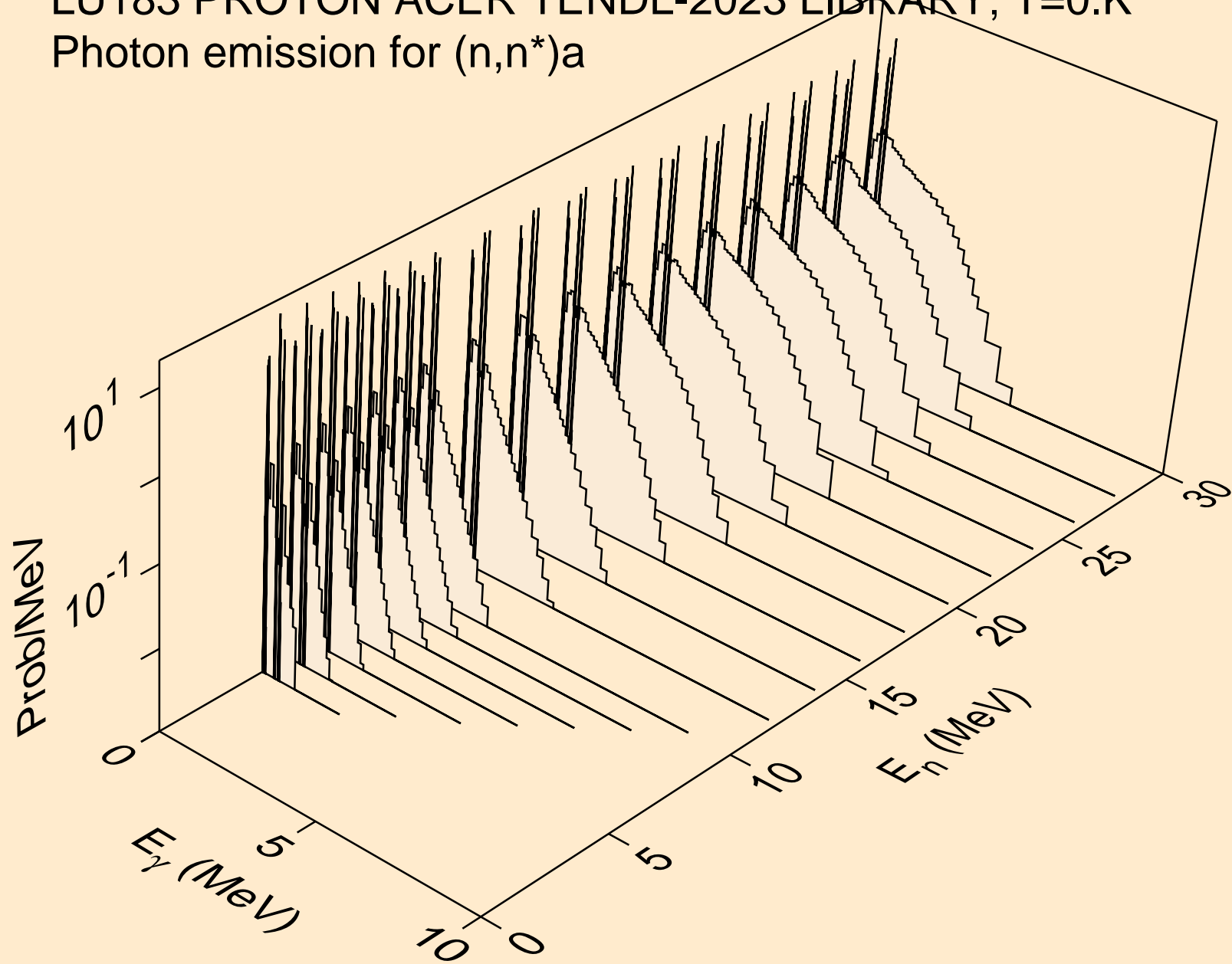
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)

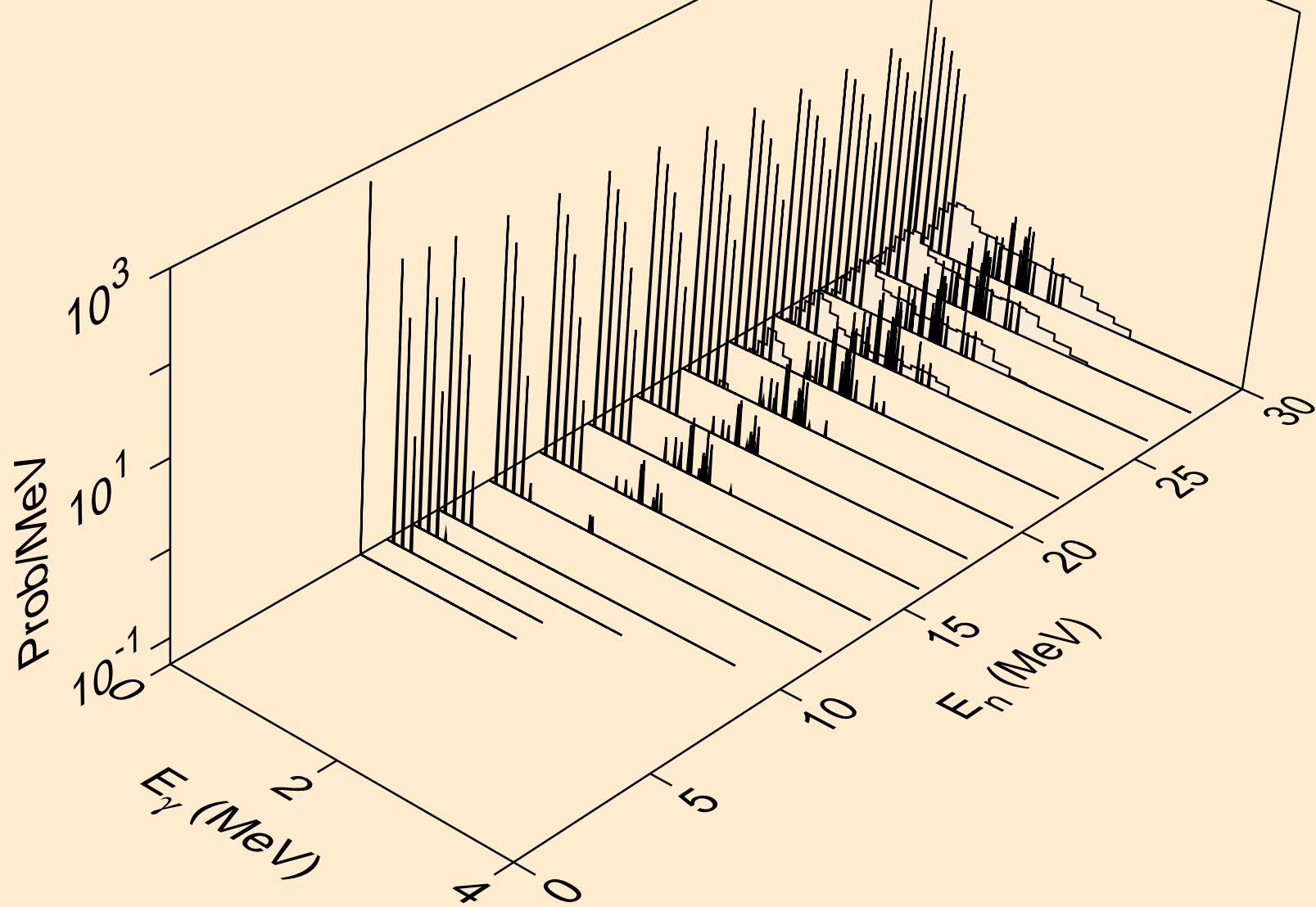


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Photon emission for (n,n\*)a

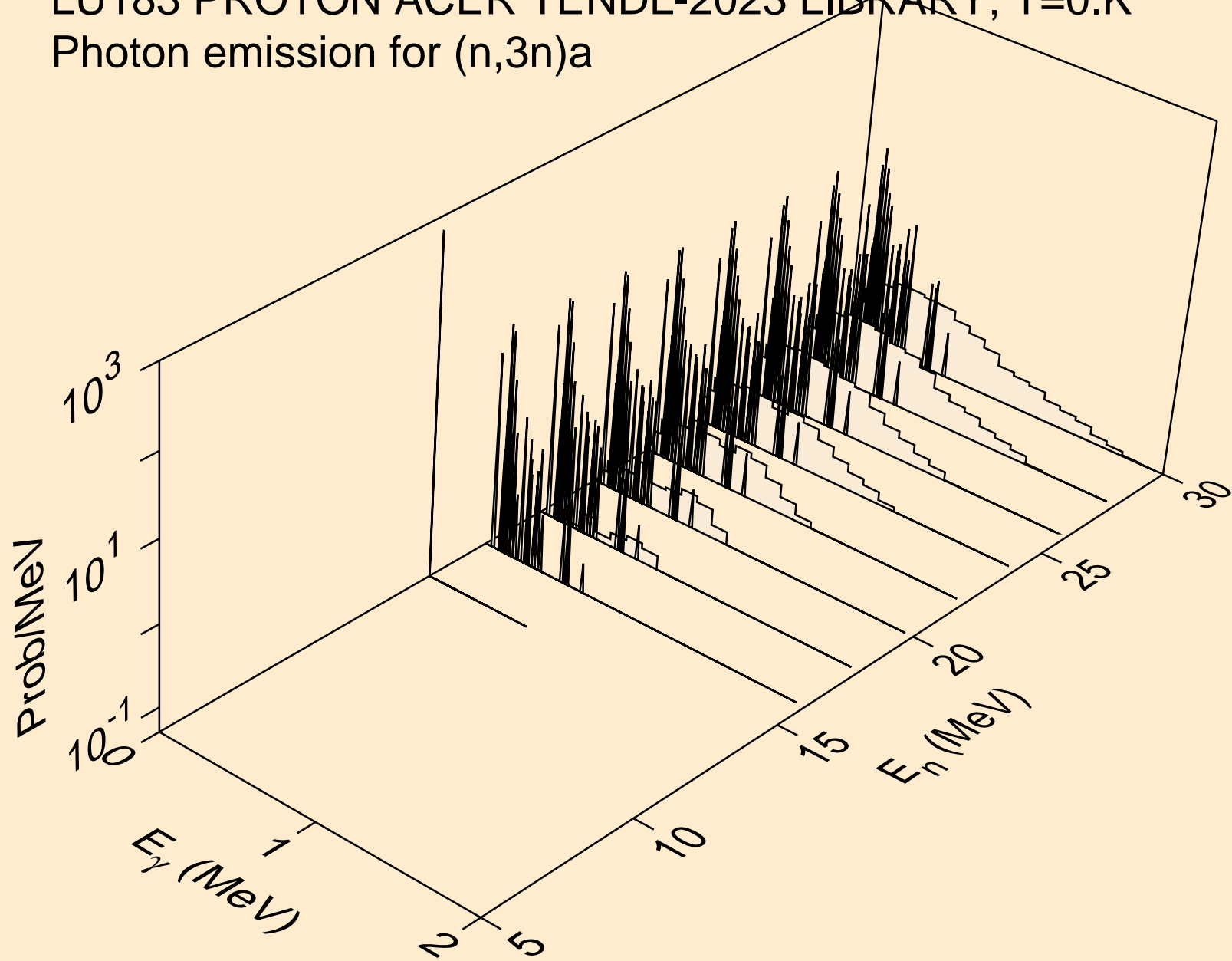




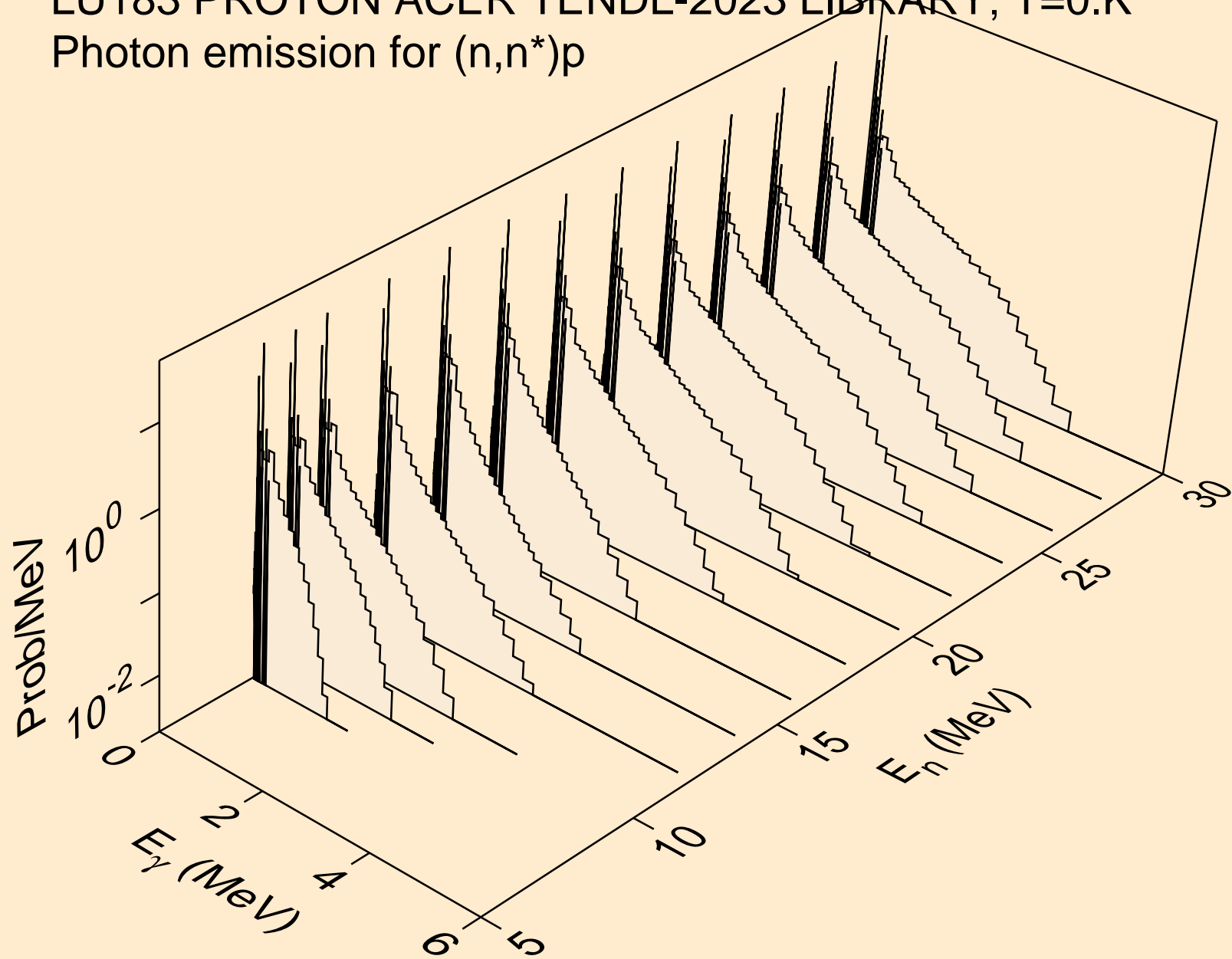
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Photon emission for (n,2n)a



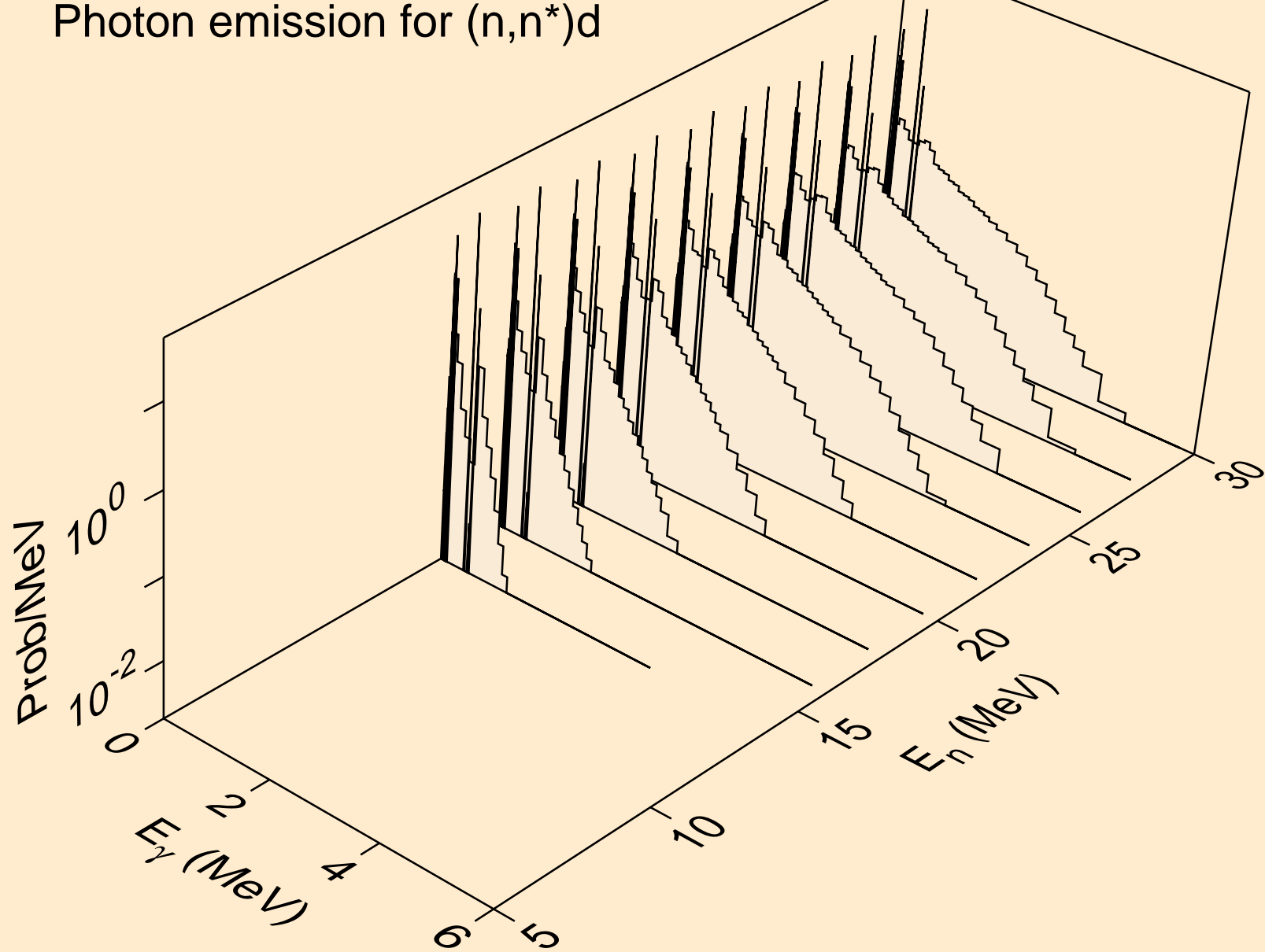
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Photon emission for (n,3n)a



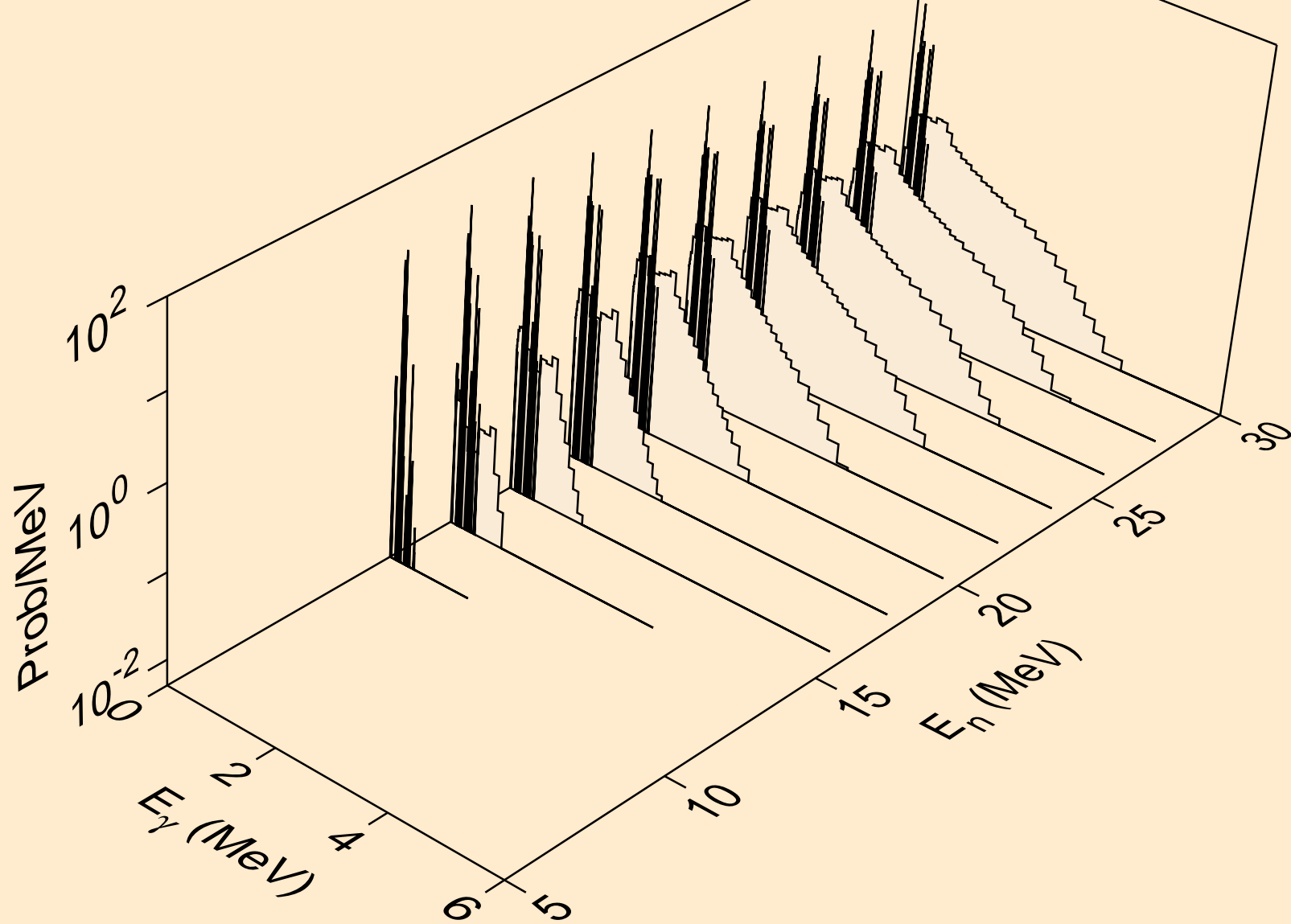
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



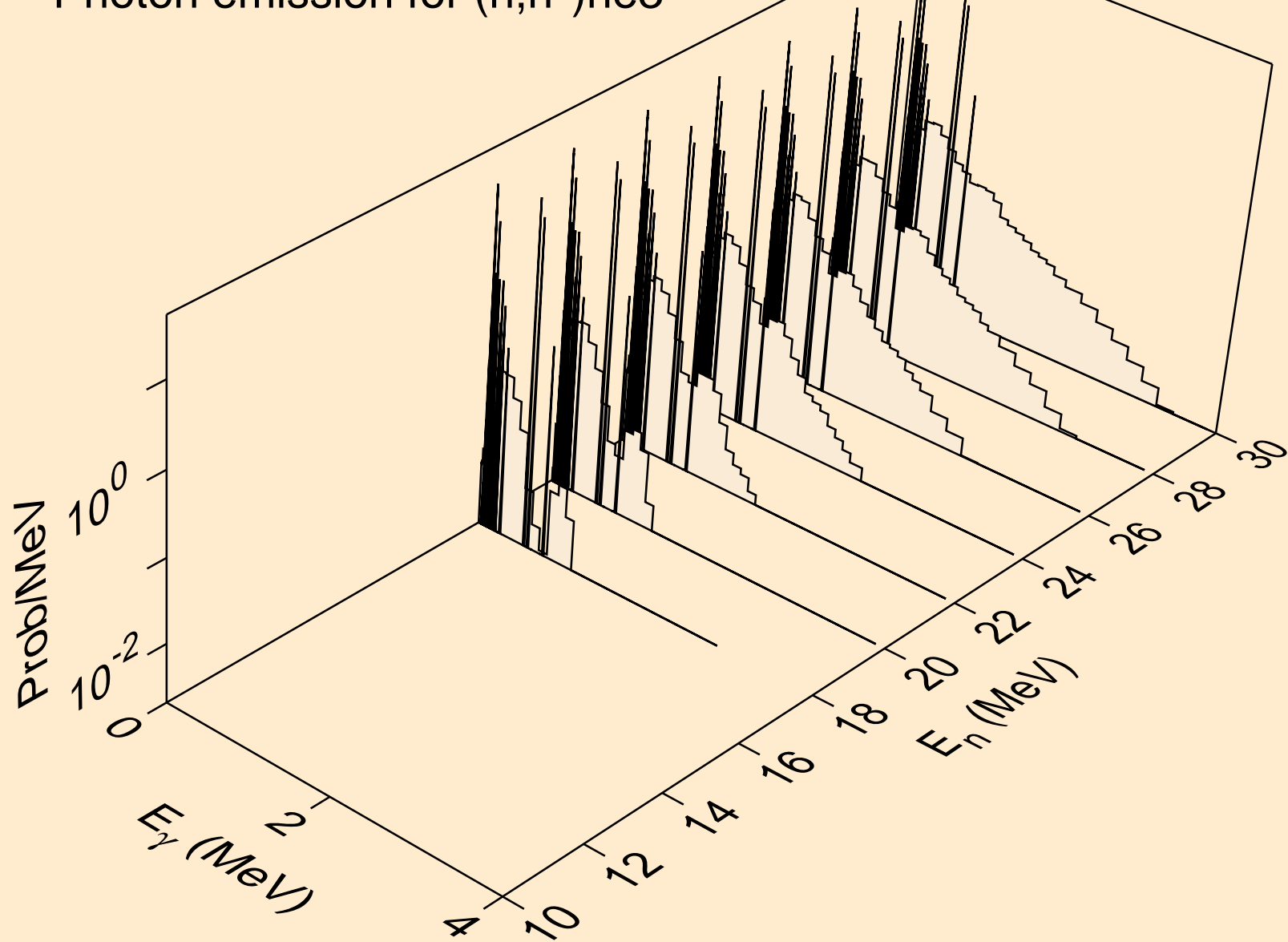
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



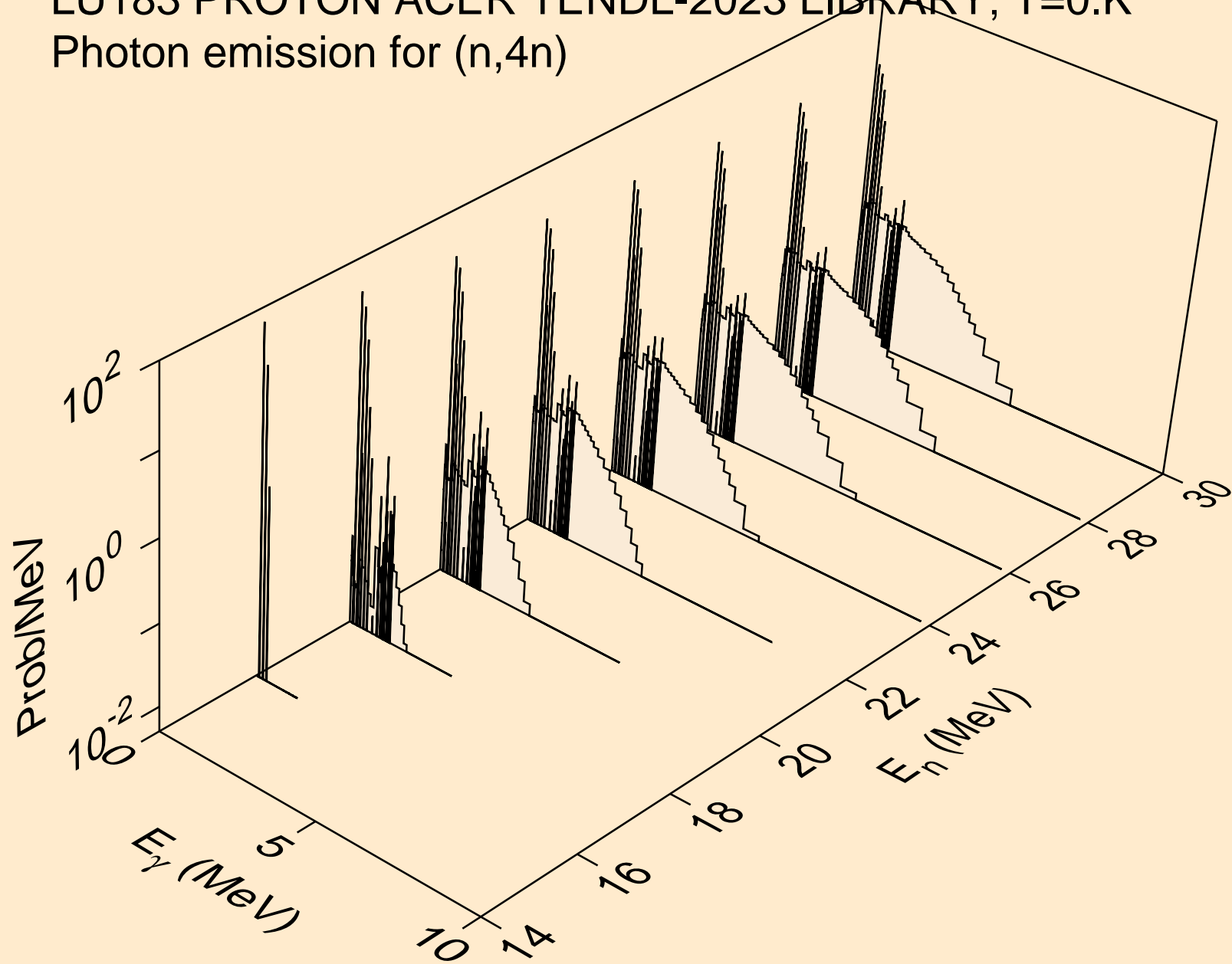
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



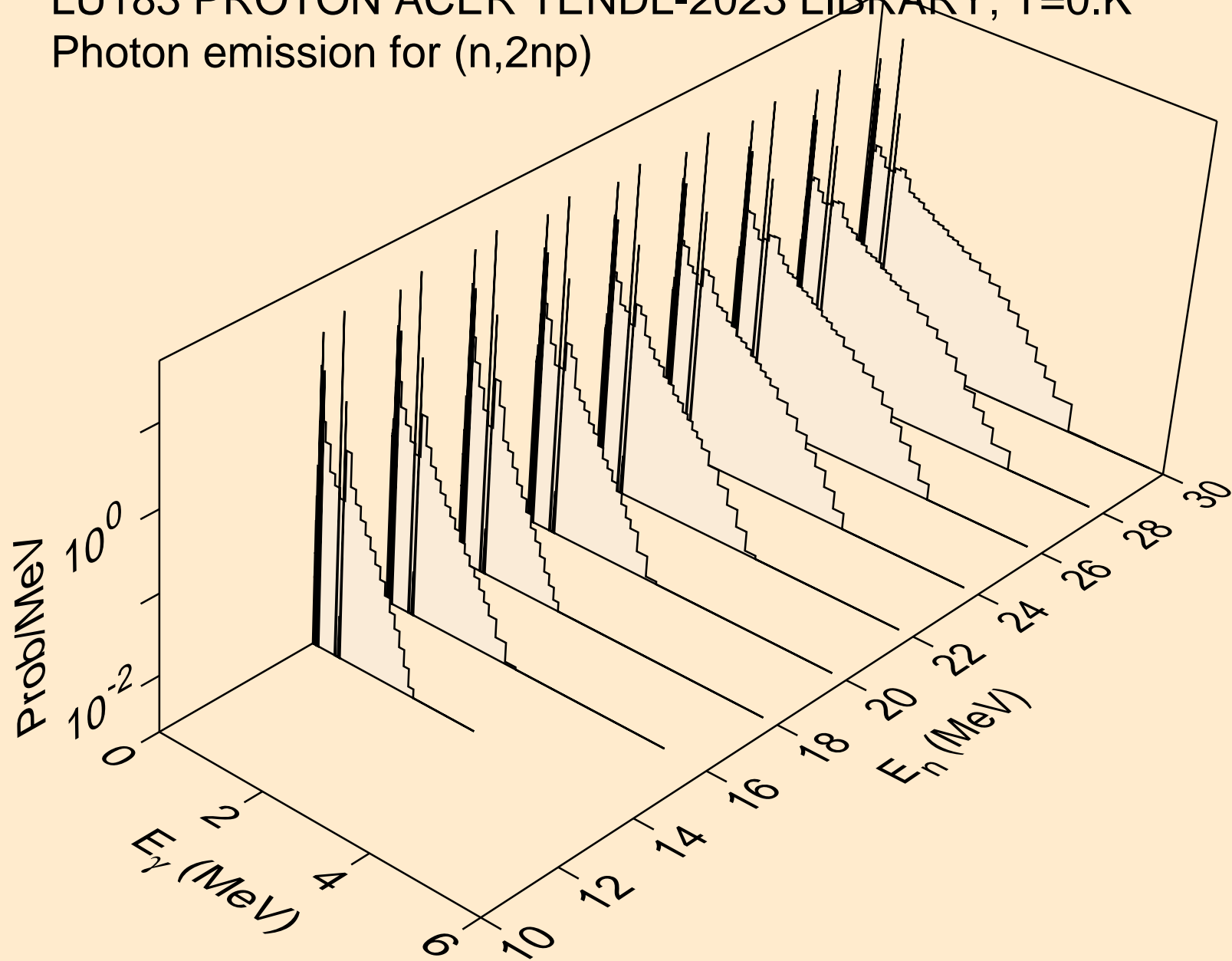
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)

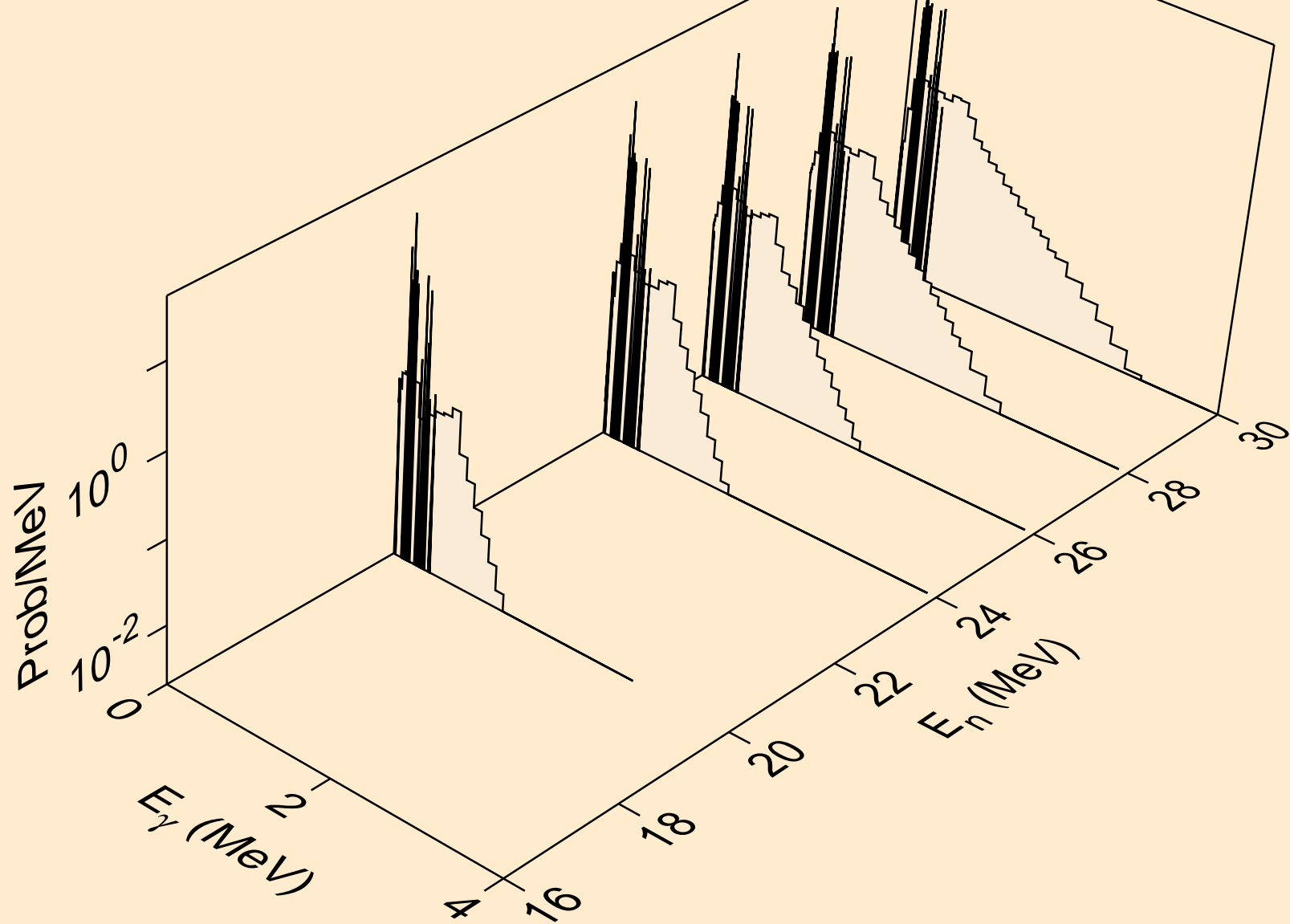


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Photon emission for (n,2np)

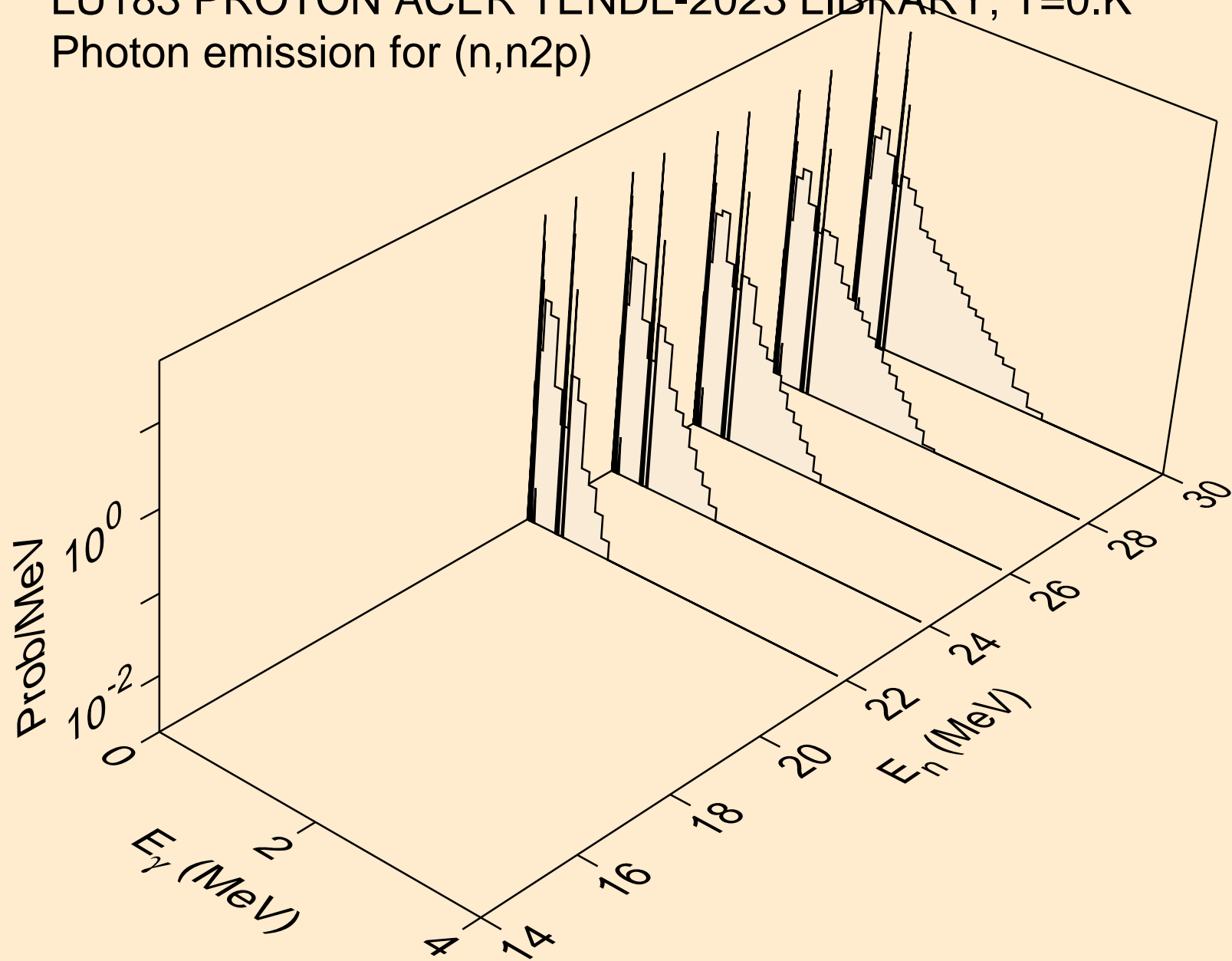




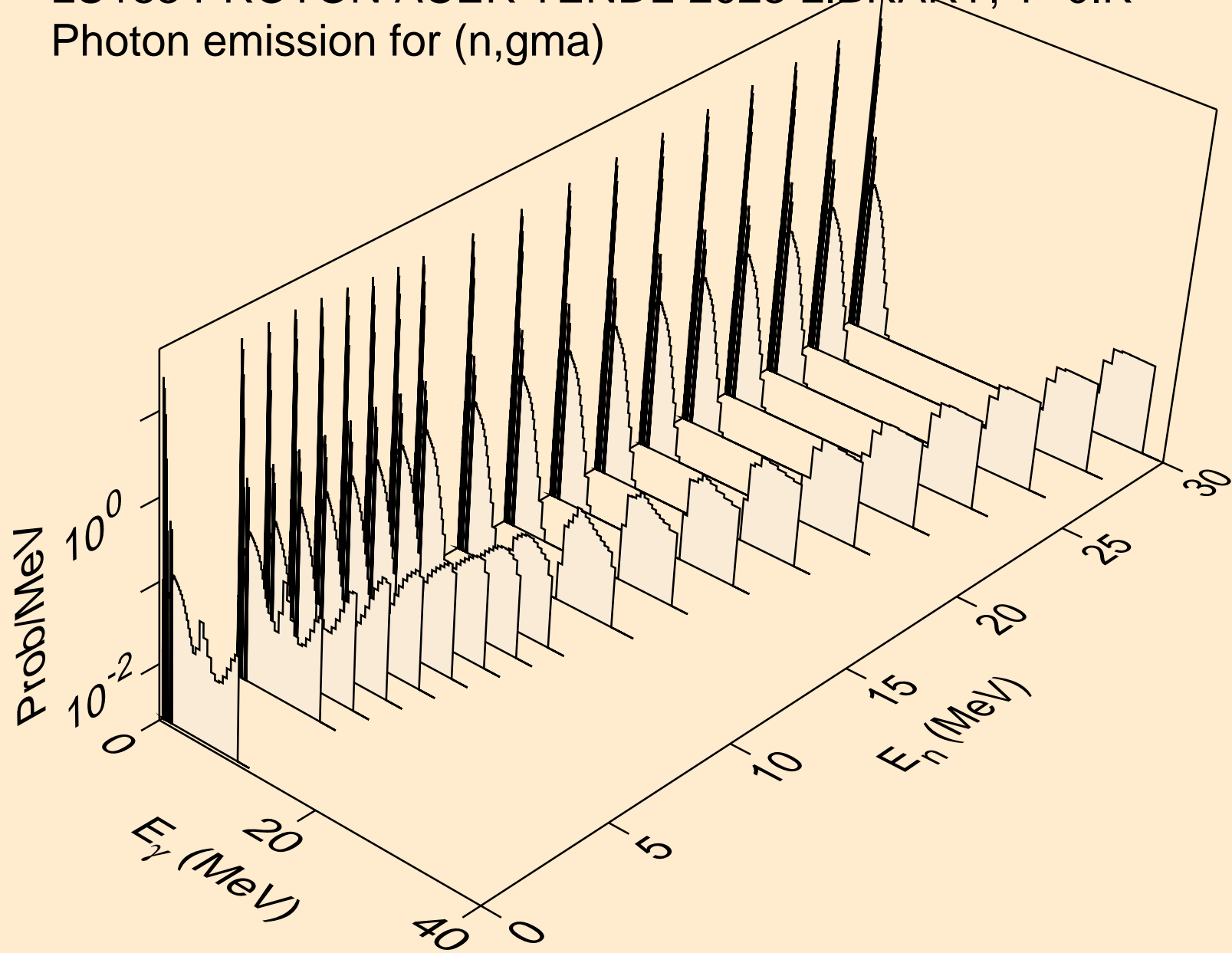
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Photon emission for (n,3np)



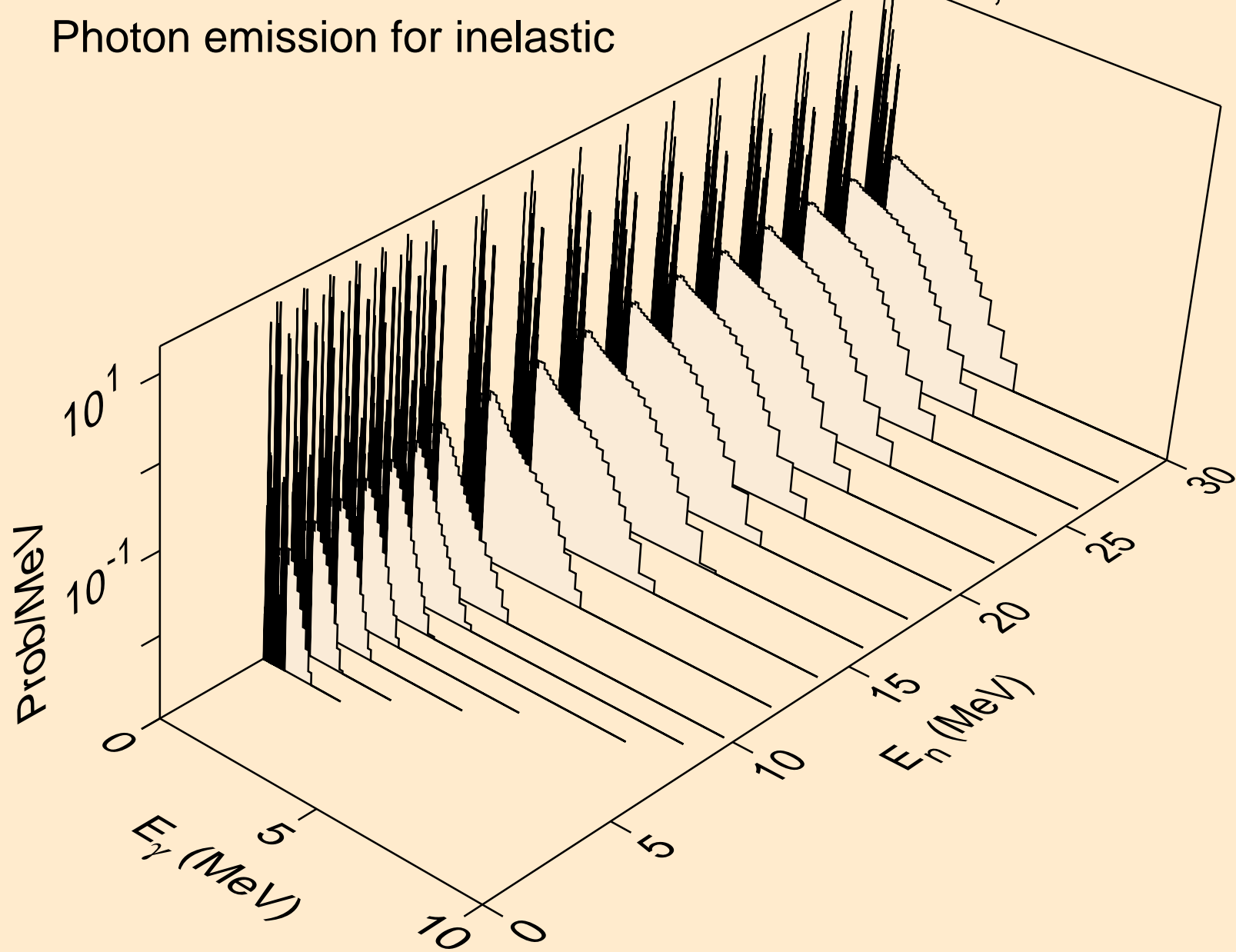
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Photon emission for (n,n2p)



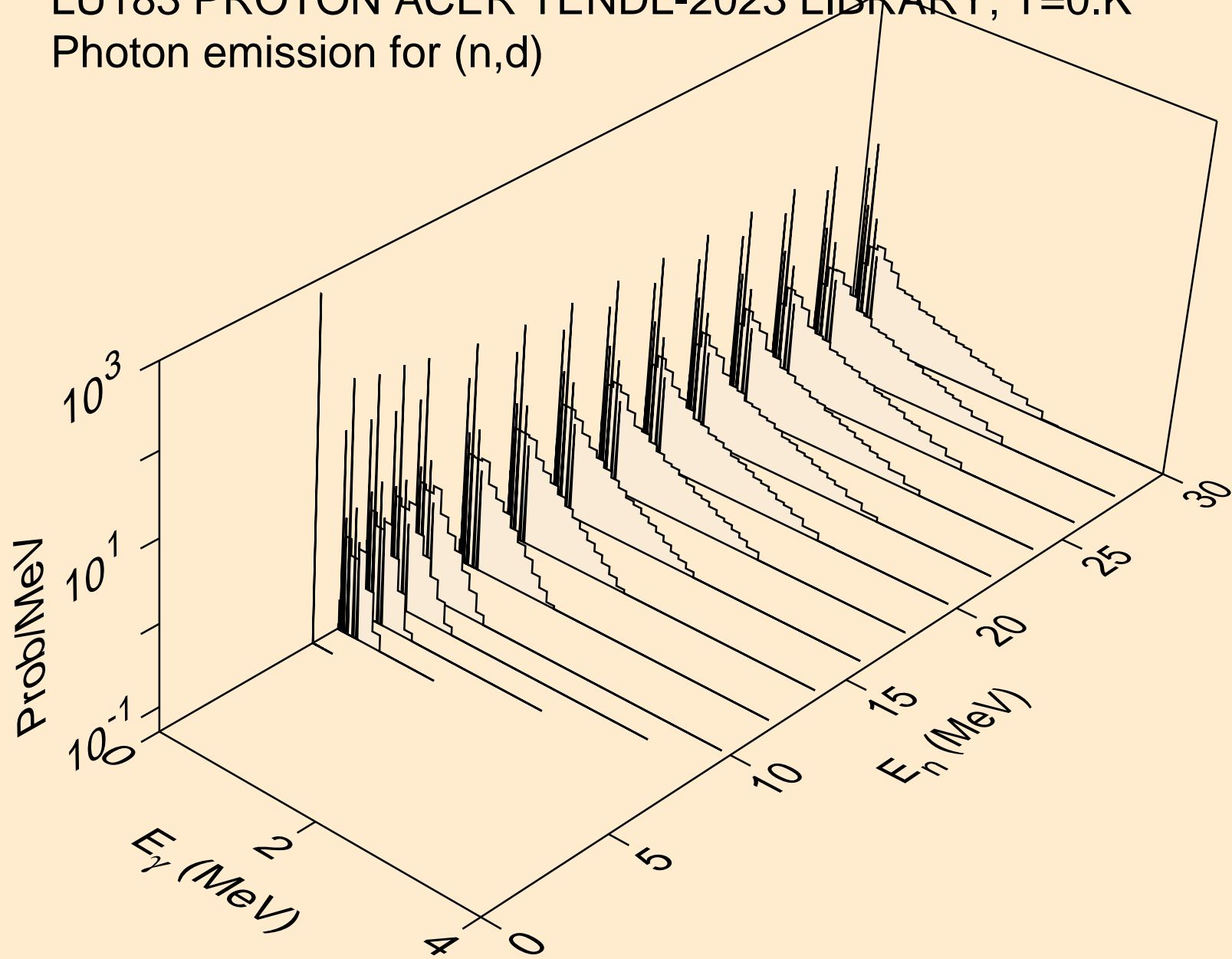
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Photon emission for (n,gma)



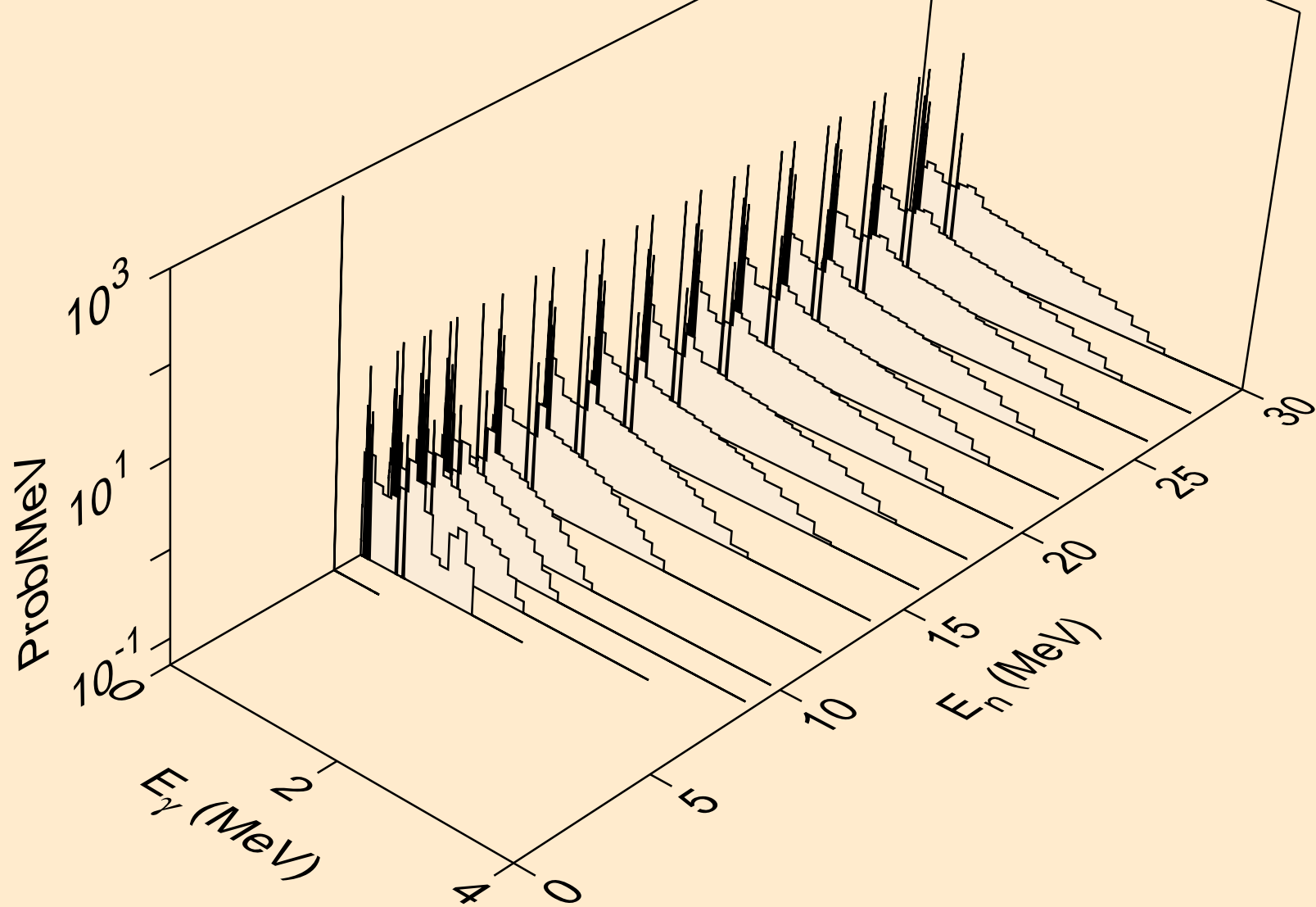
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



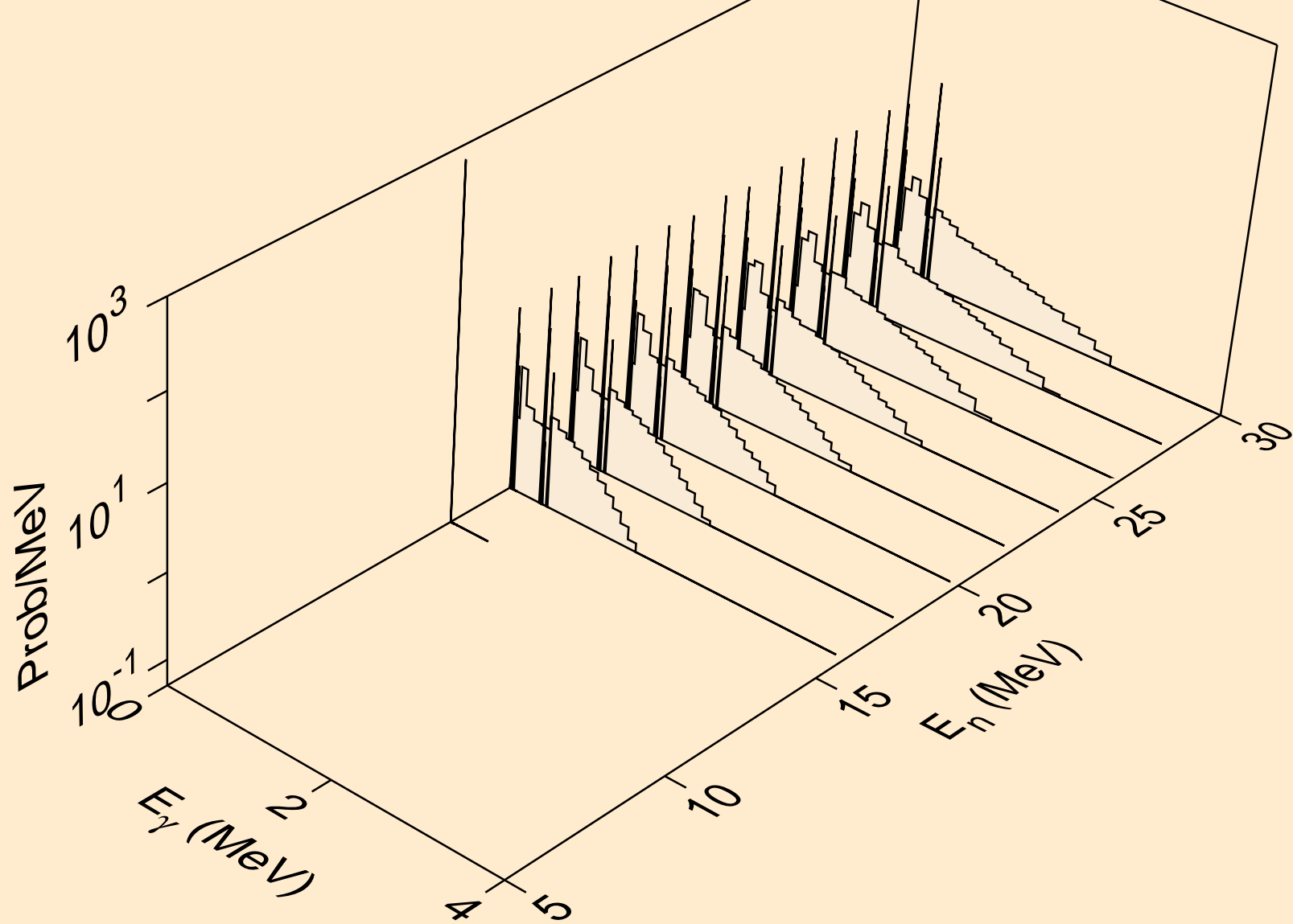
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Photon emission for (n,d)



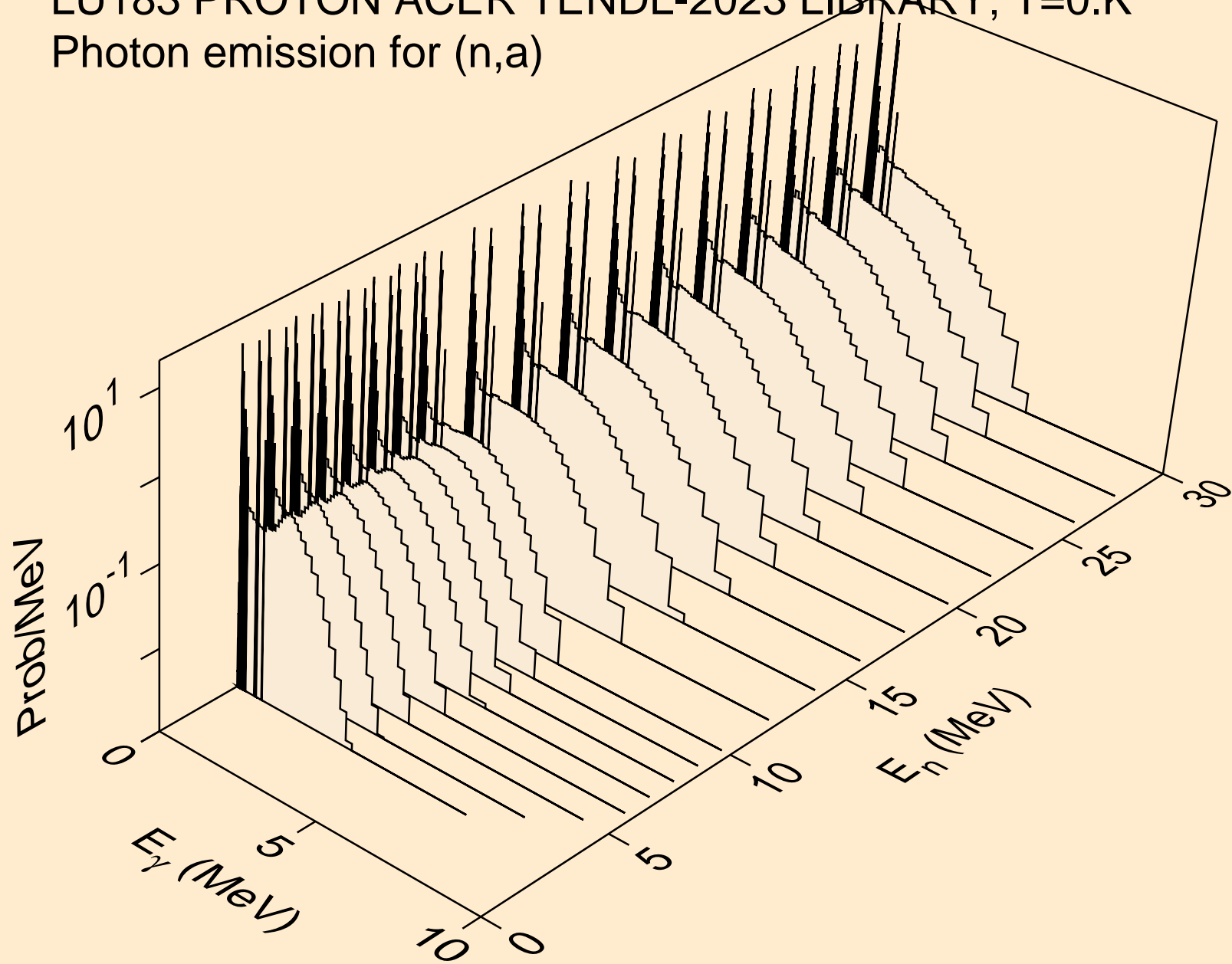
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)

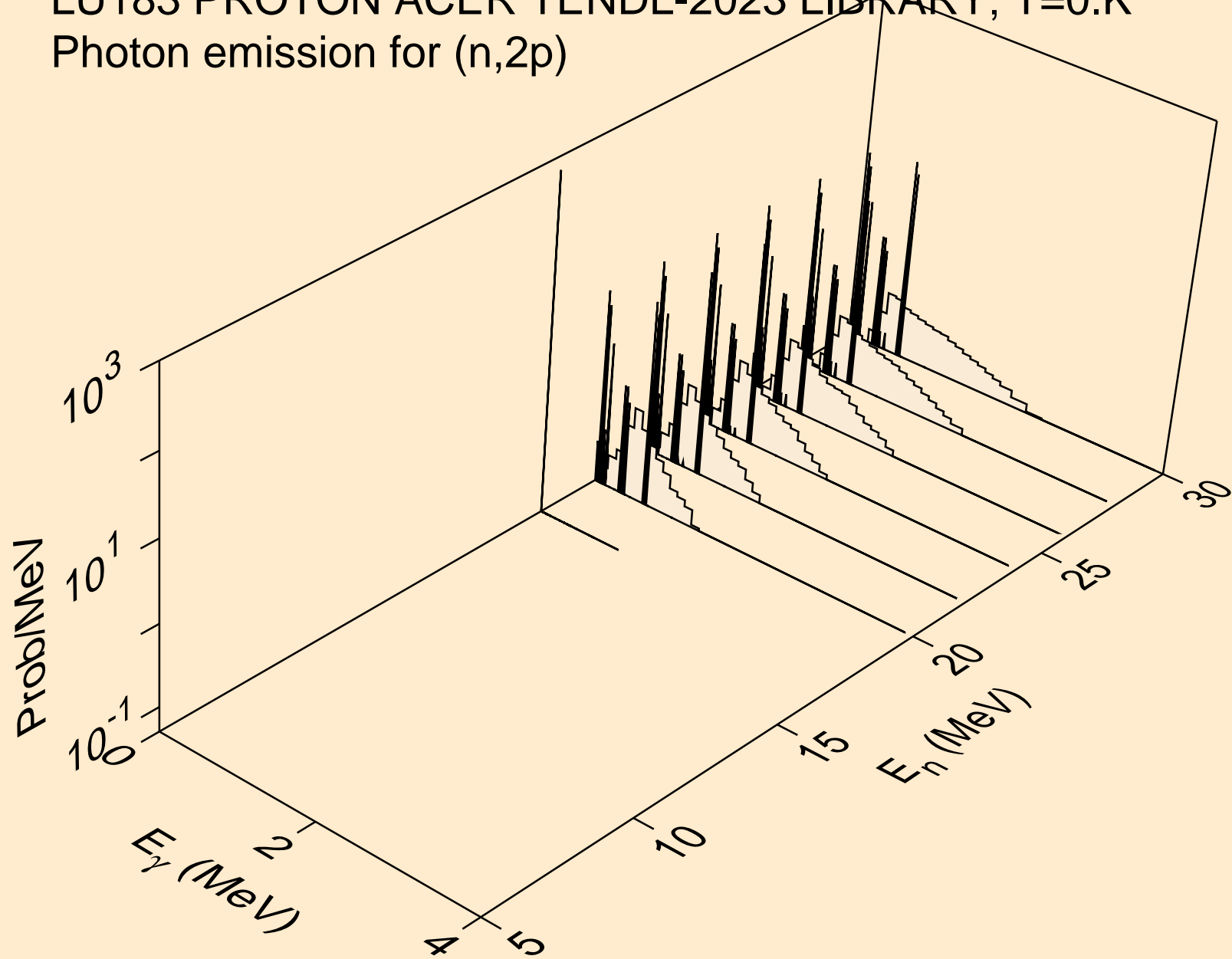


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Photon emission for (n,a)

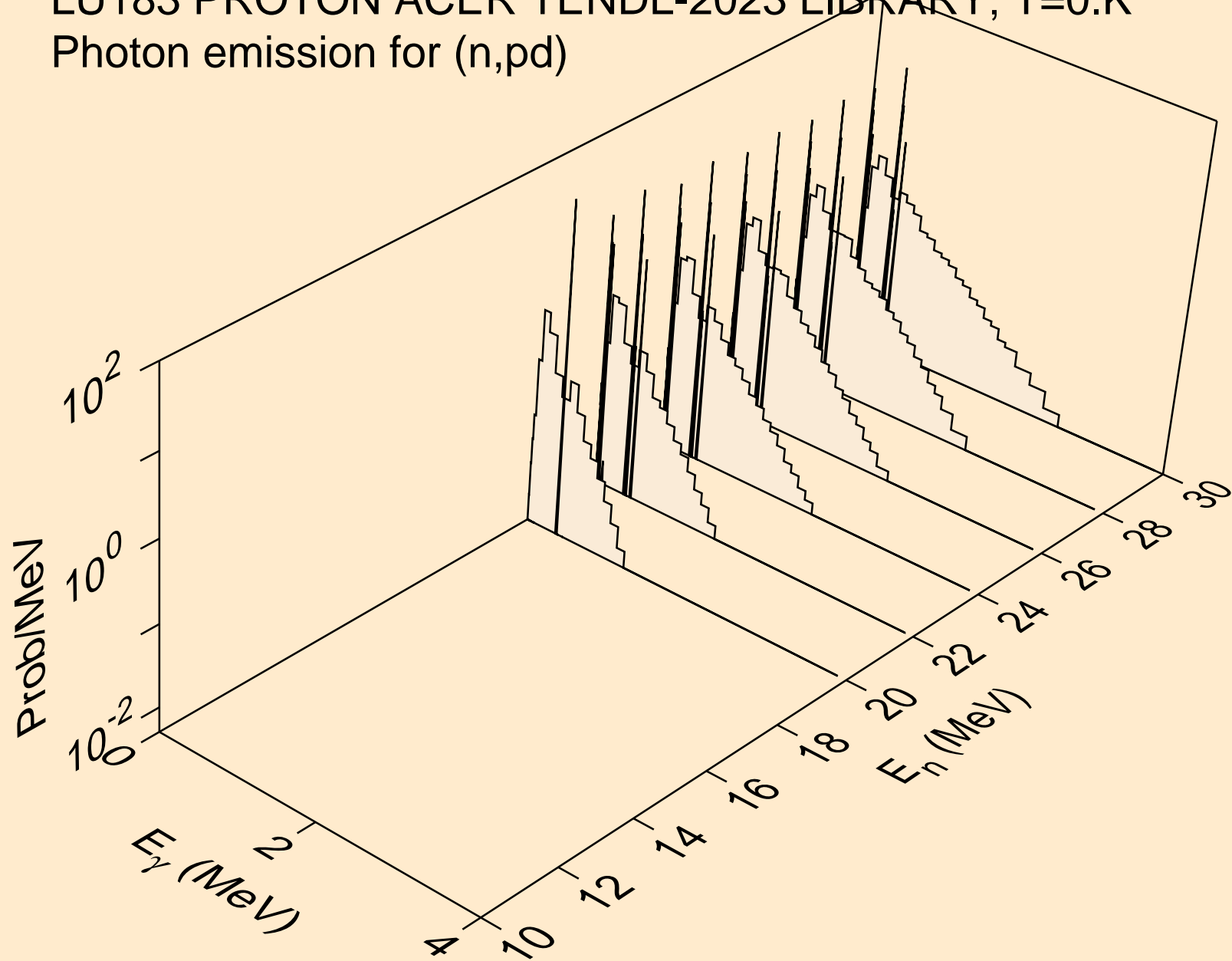




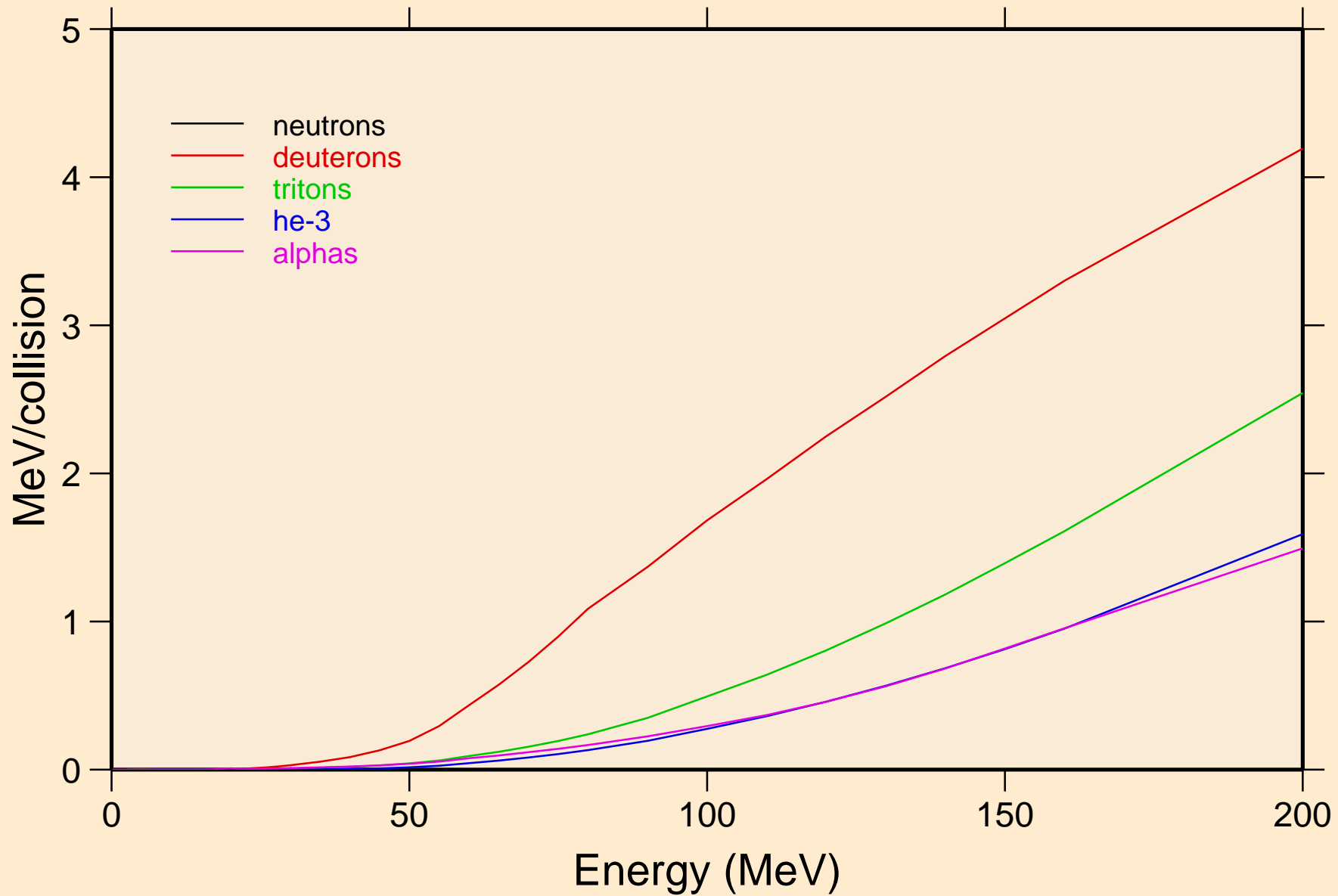
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)

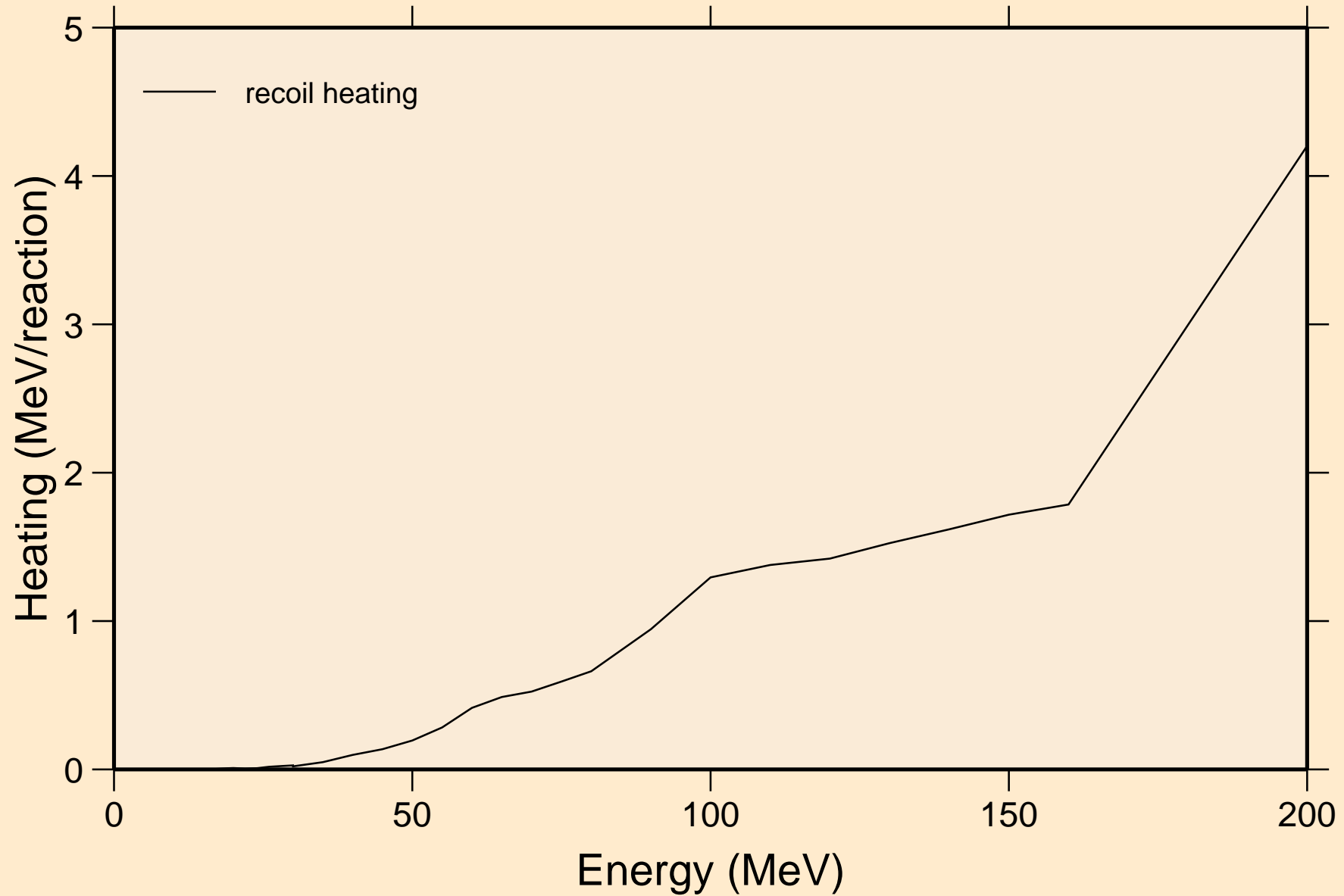


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Particle heating contributions

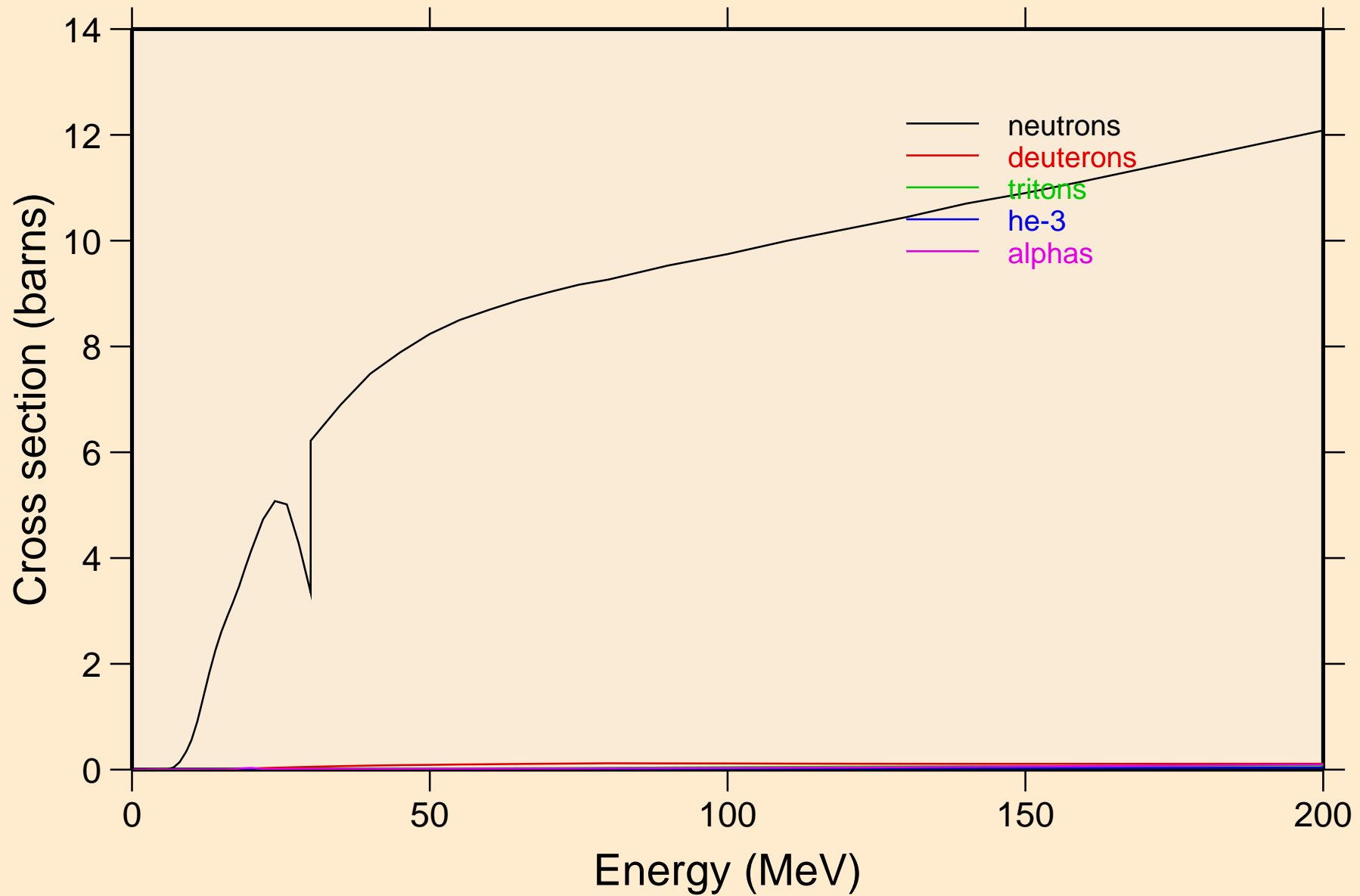


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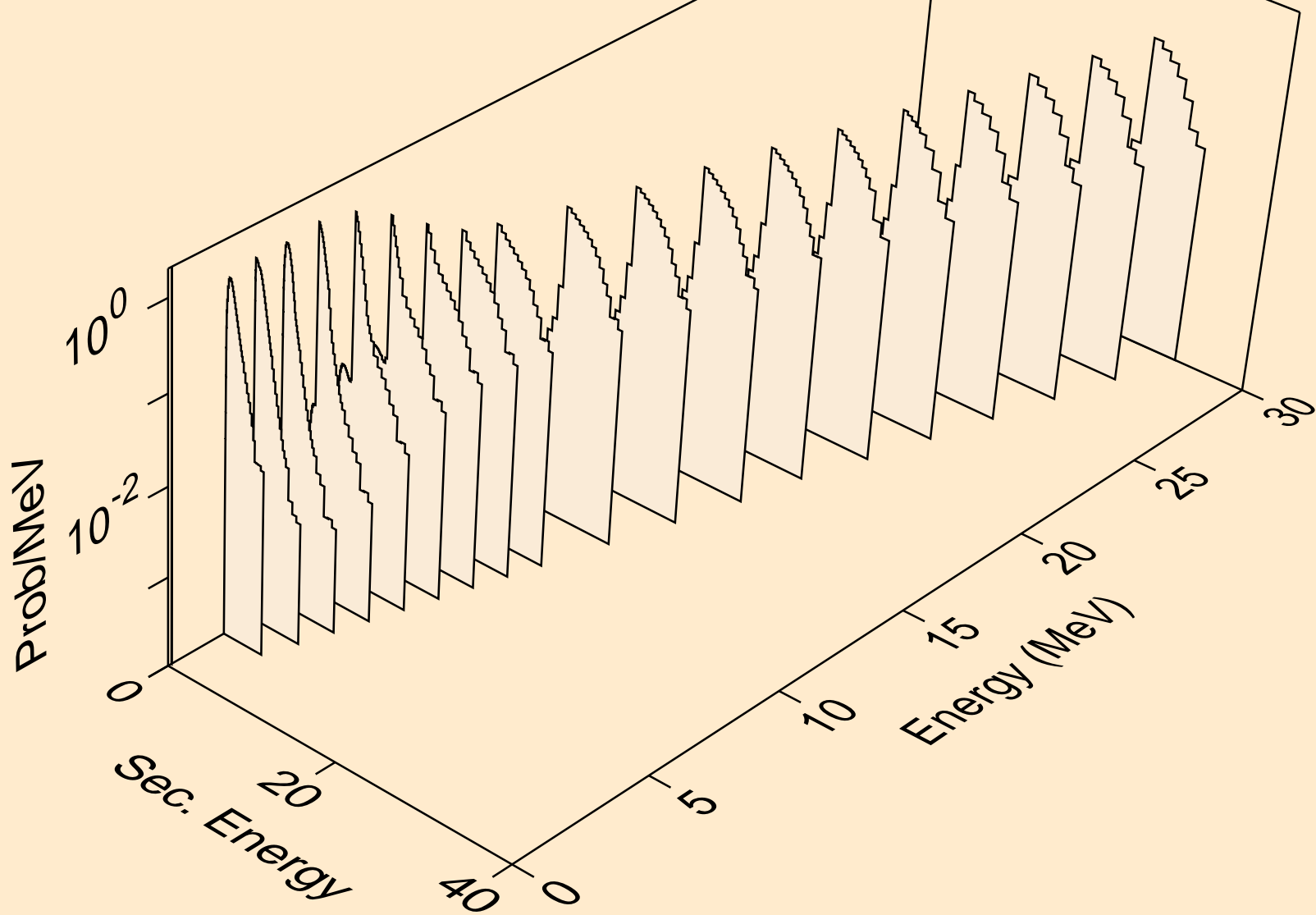
Recoil Heating



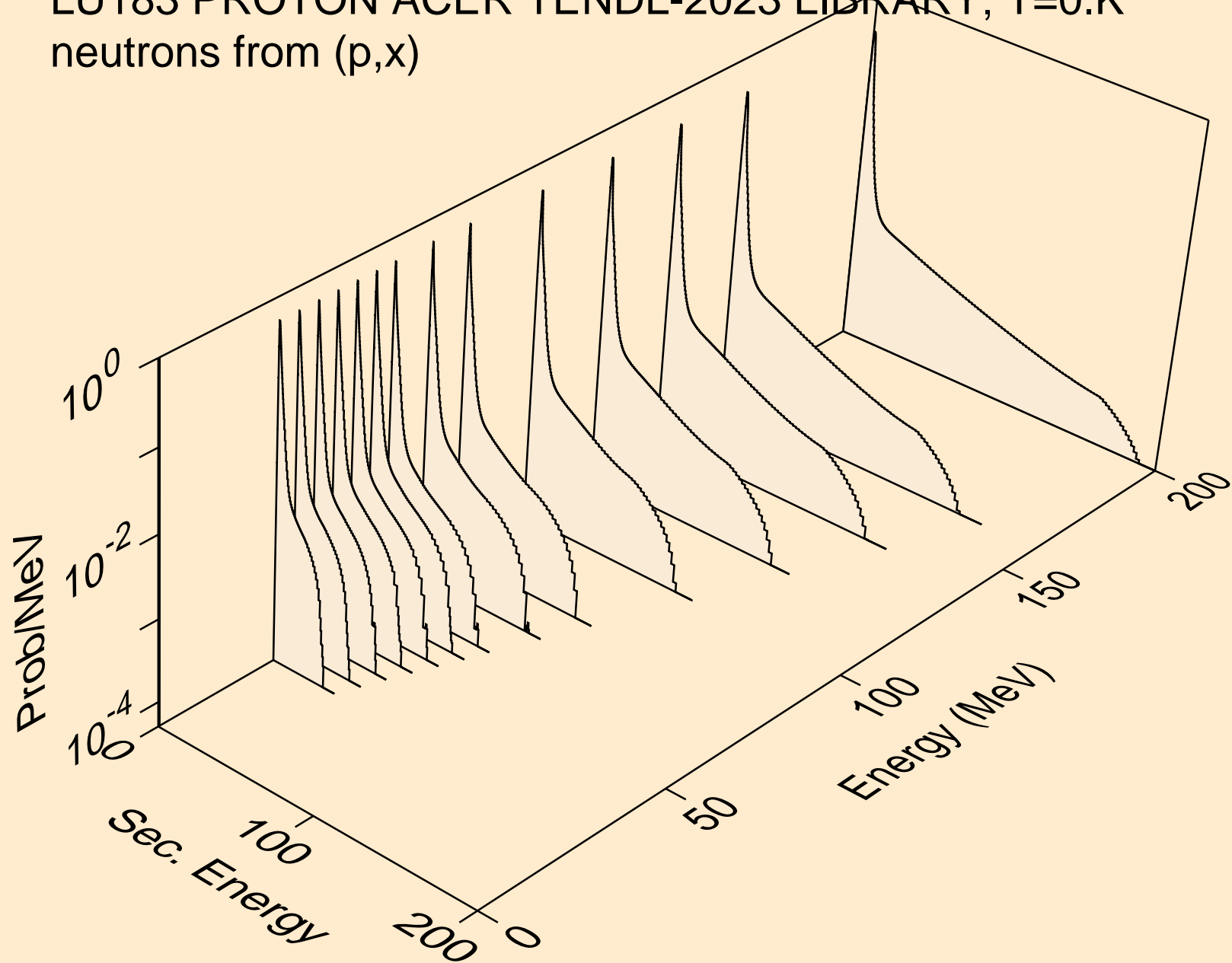
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



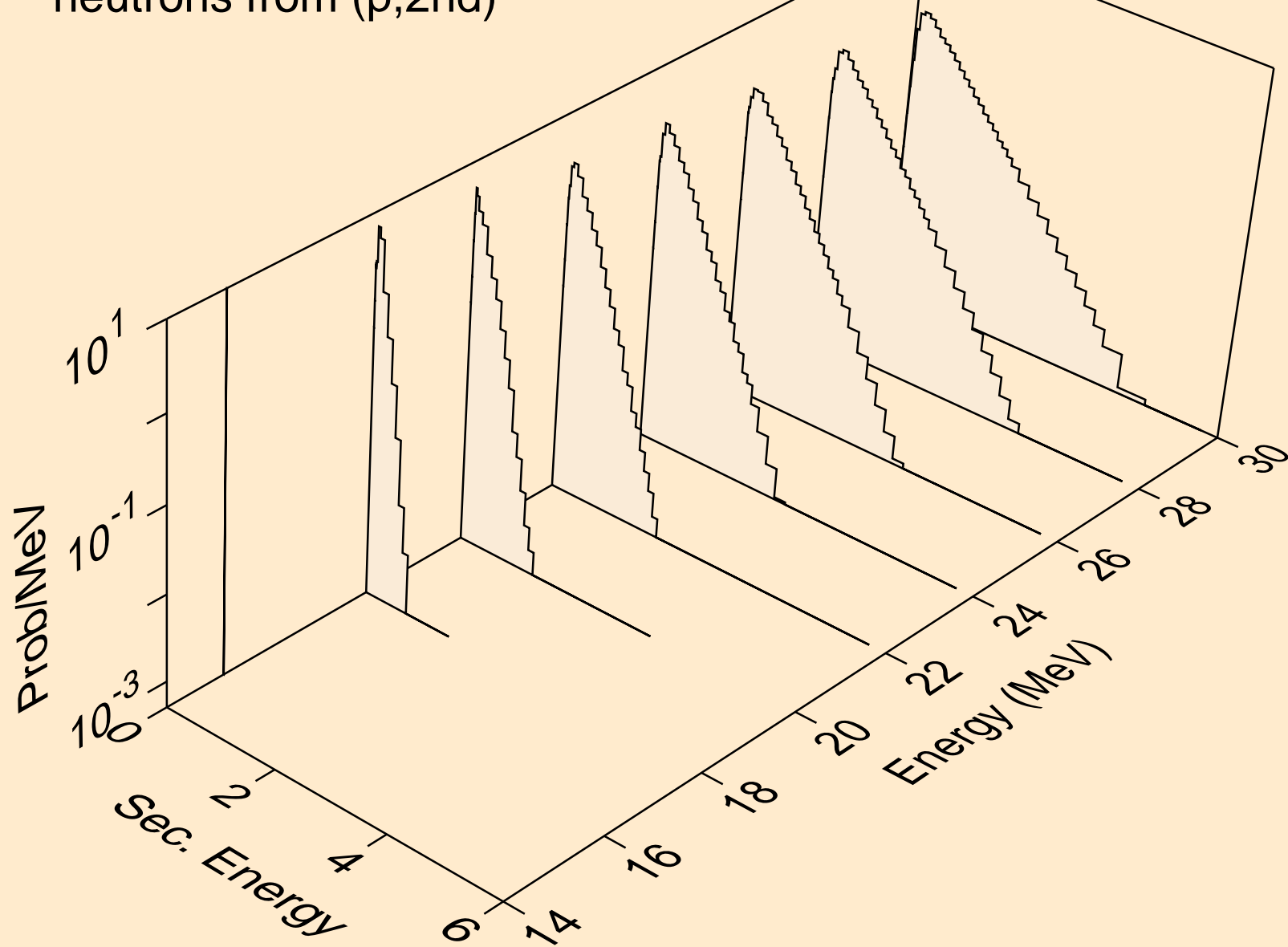
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)

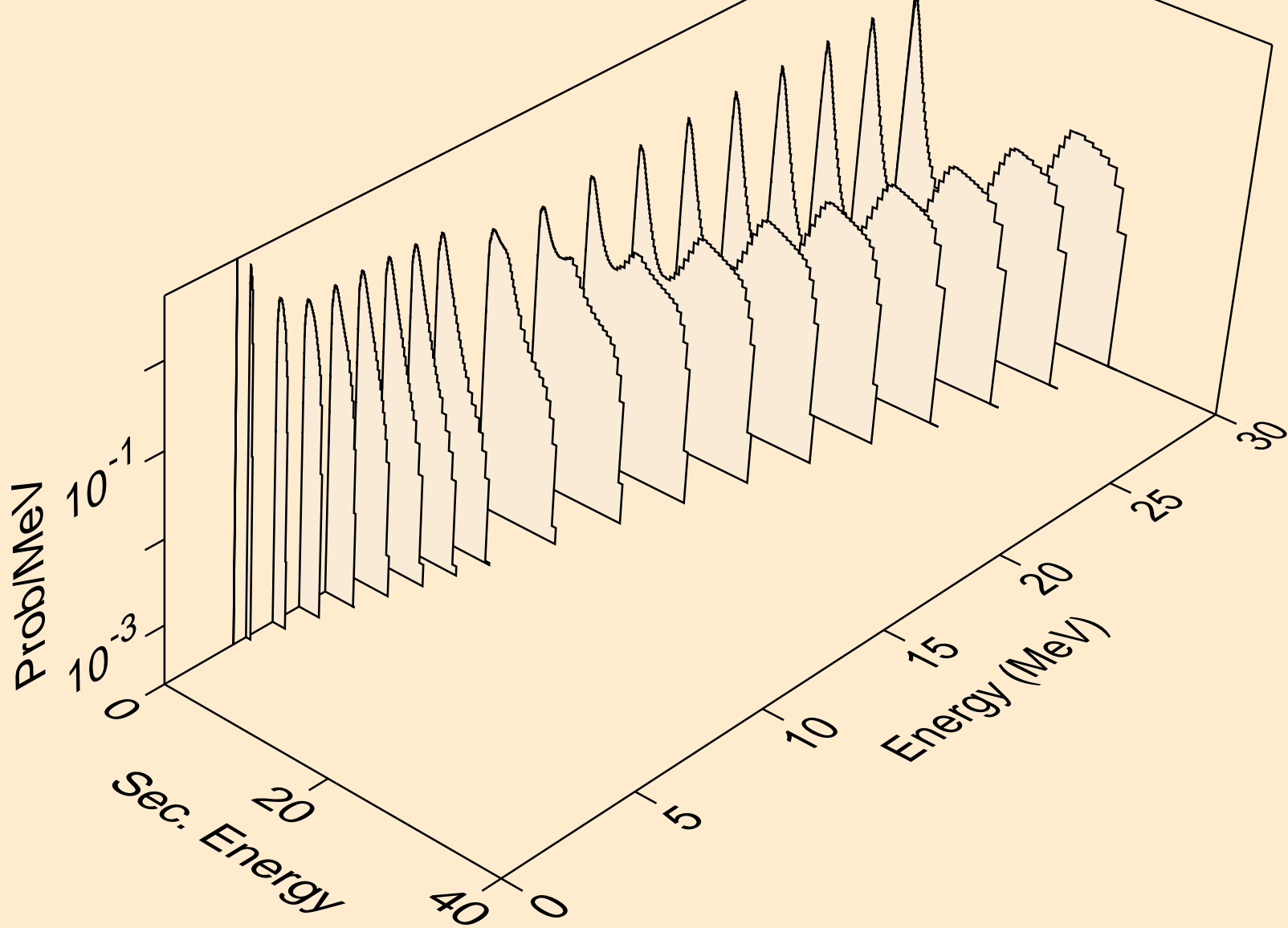


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neutrons from (p,2nd)

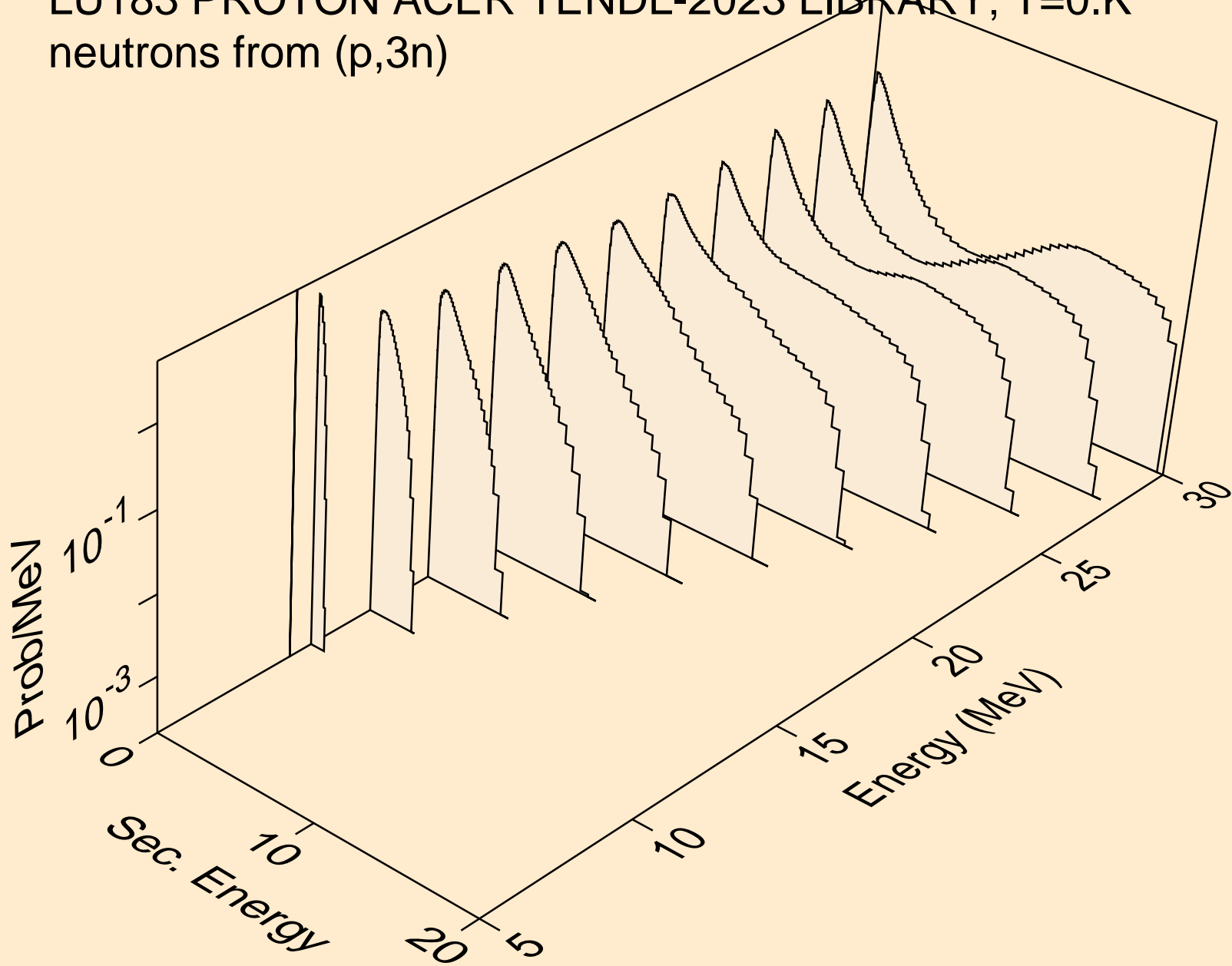




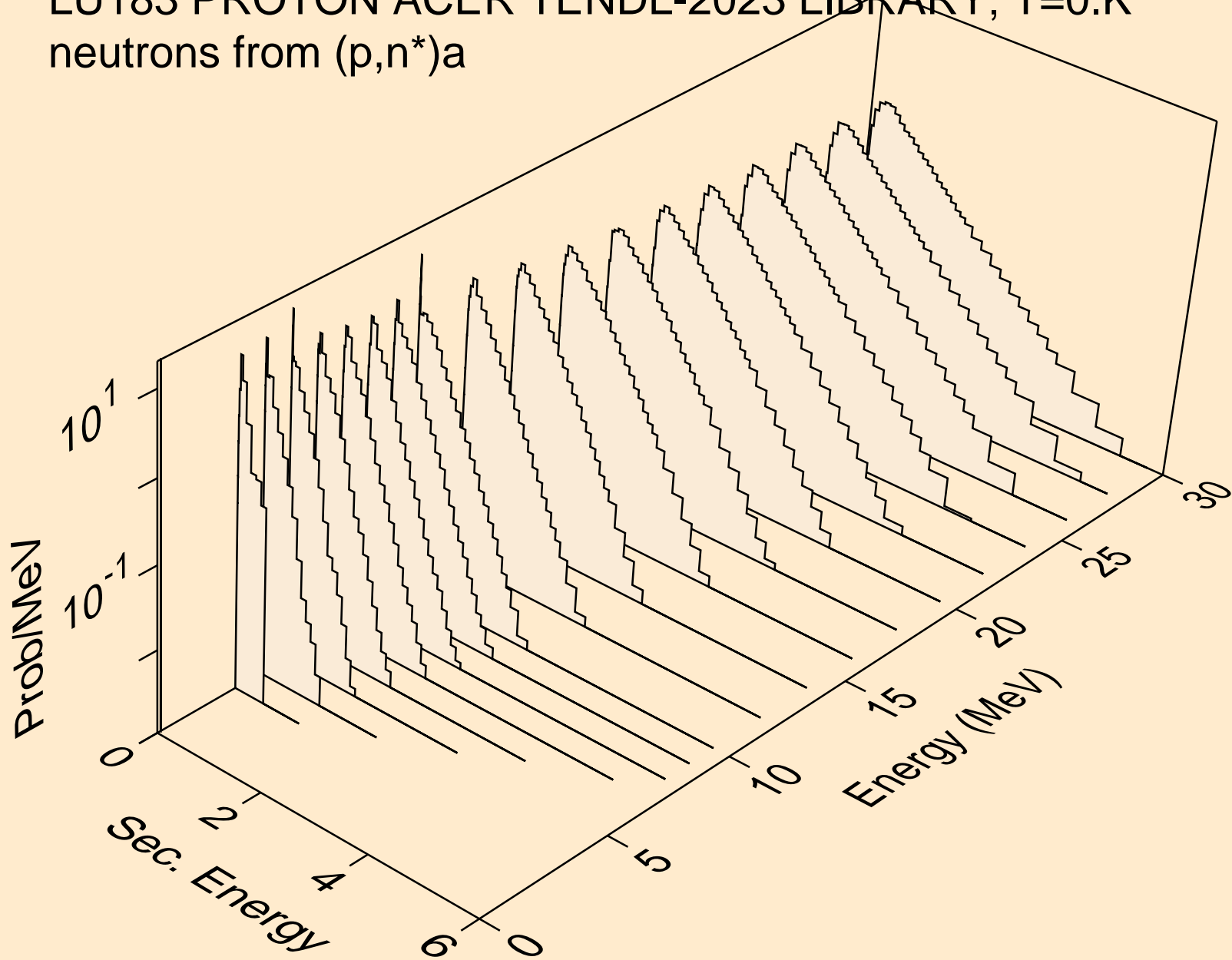
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neutrons from (p,2n)



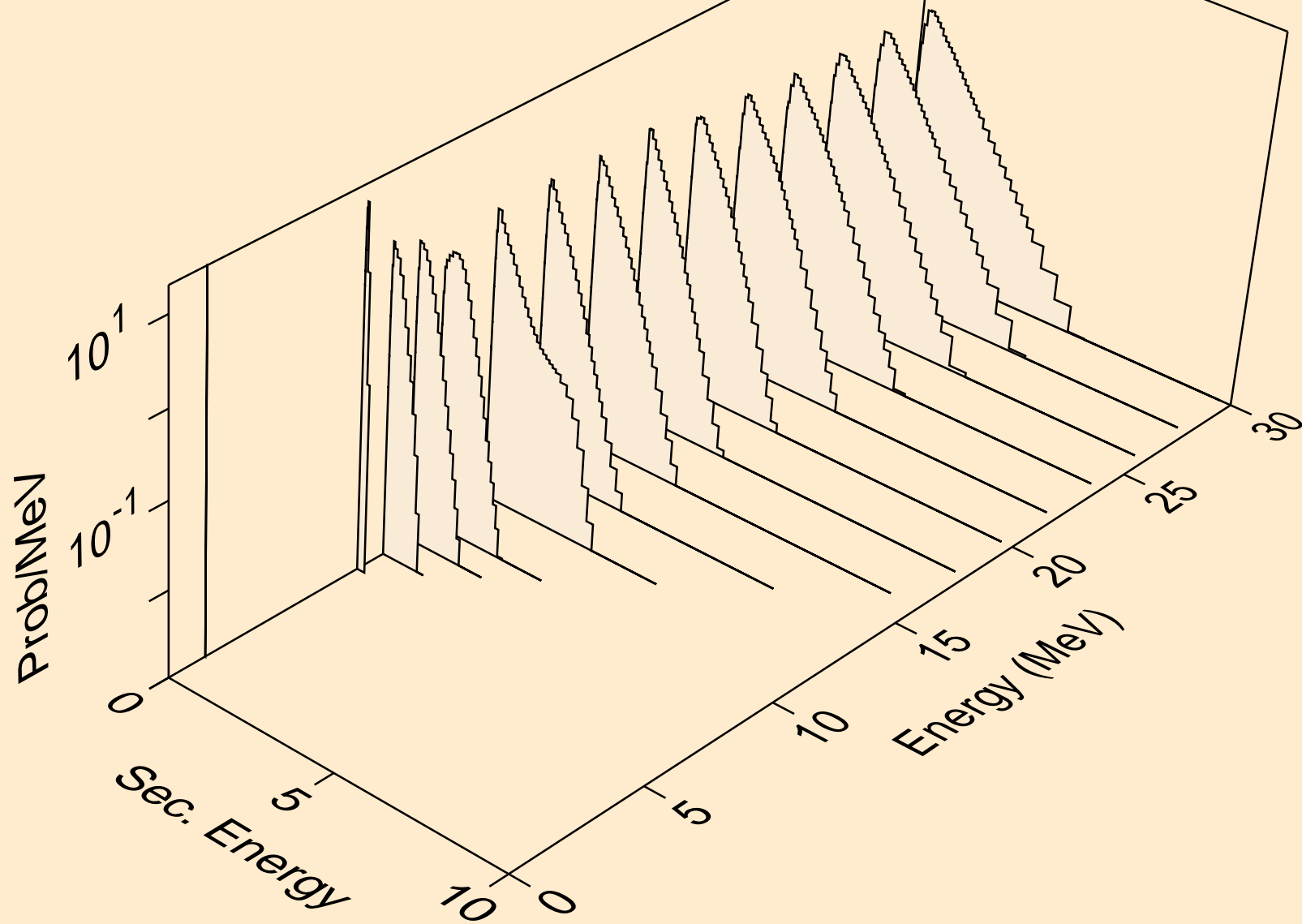
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3n)



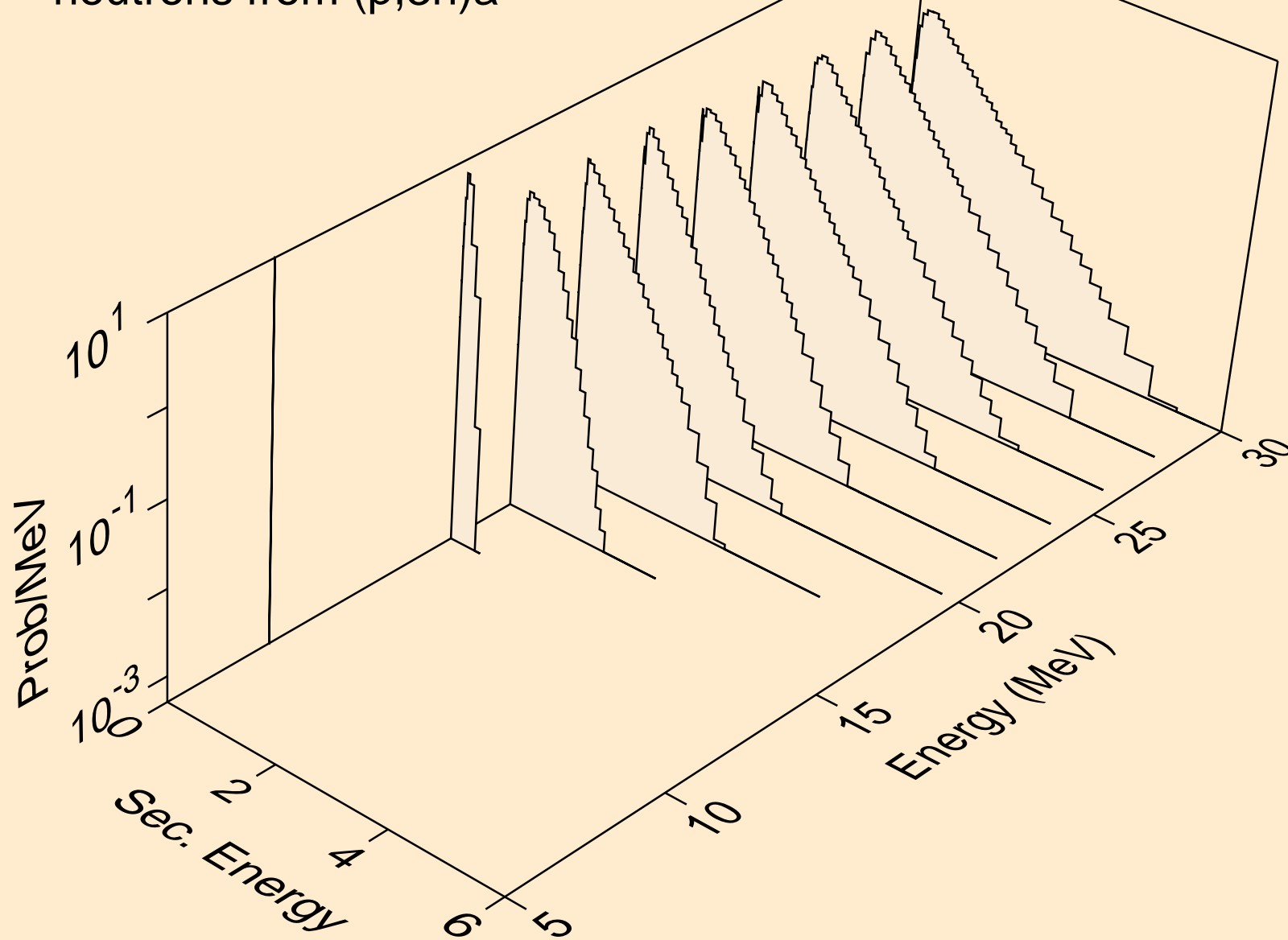
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a



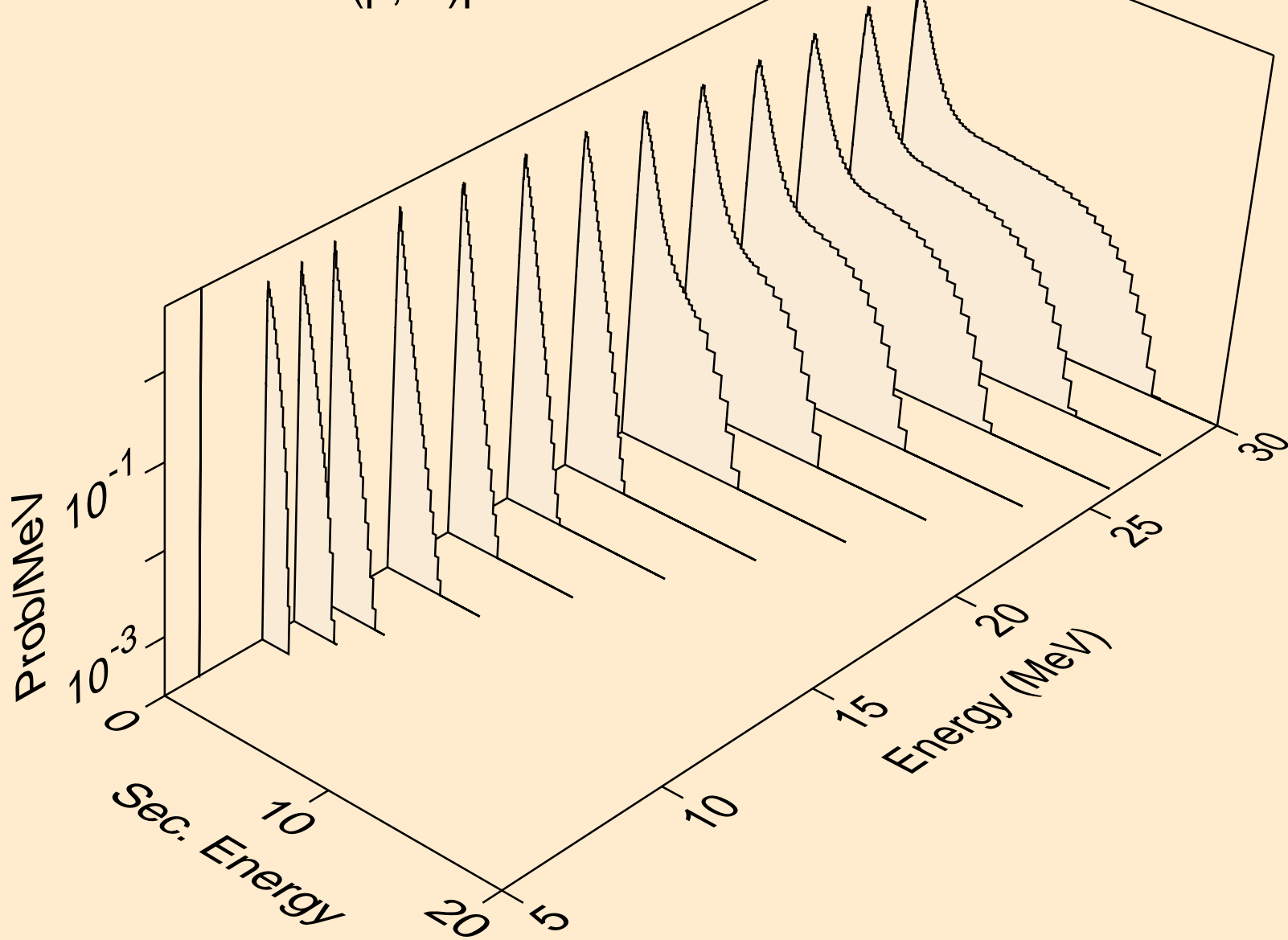
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neutrons from (p,2n)a



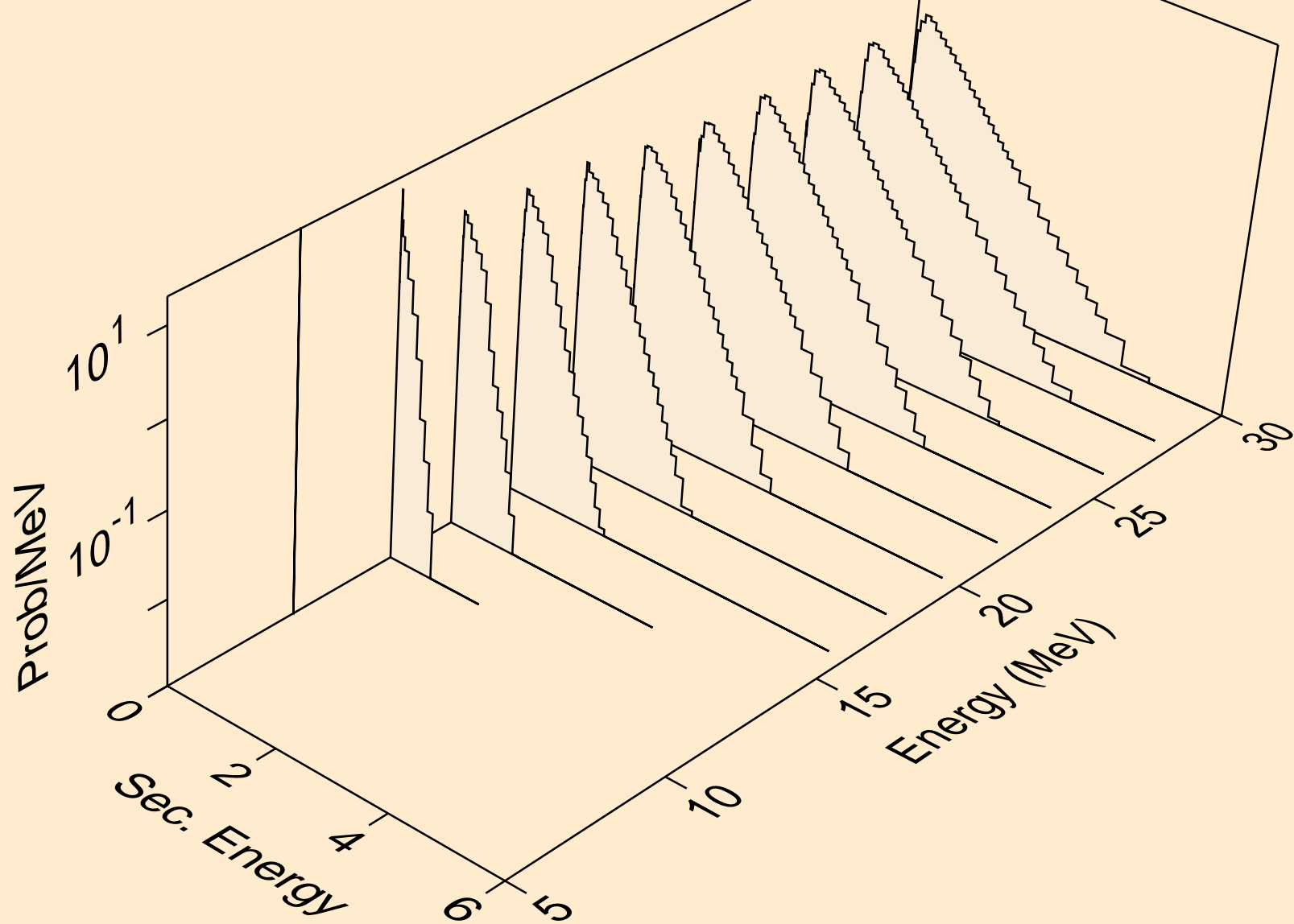
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neutrons from (p,3n)a



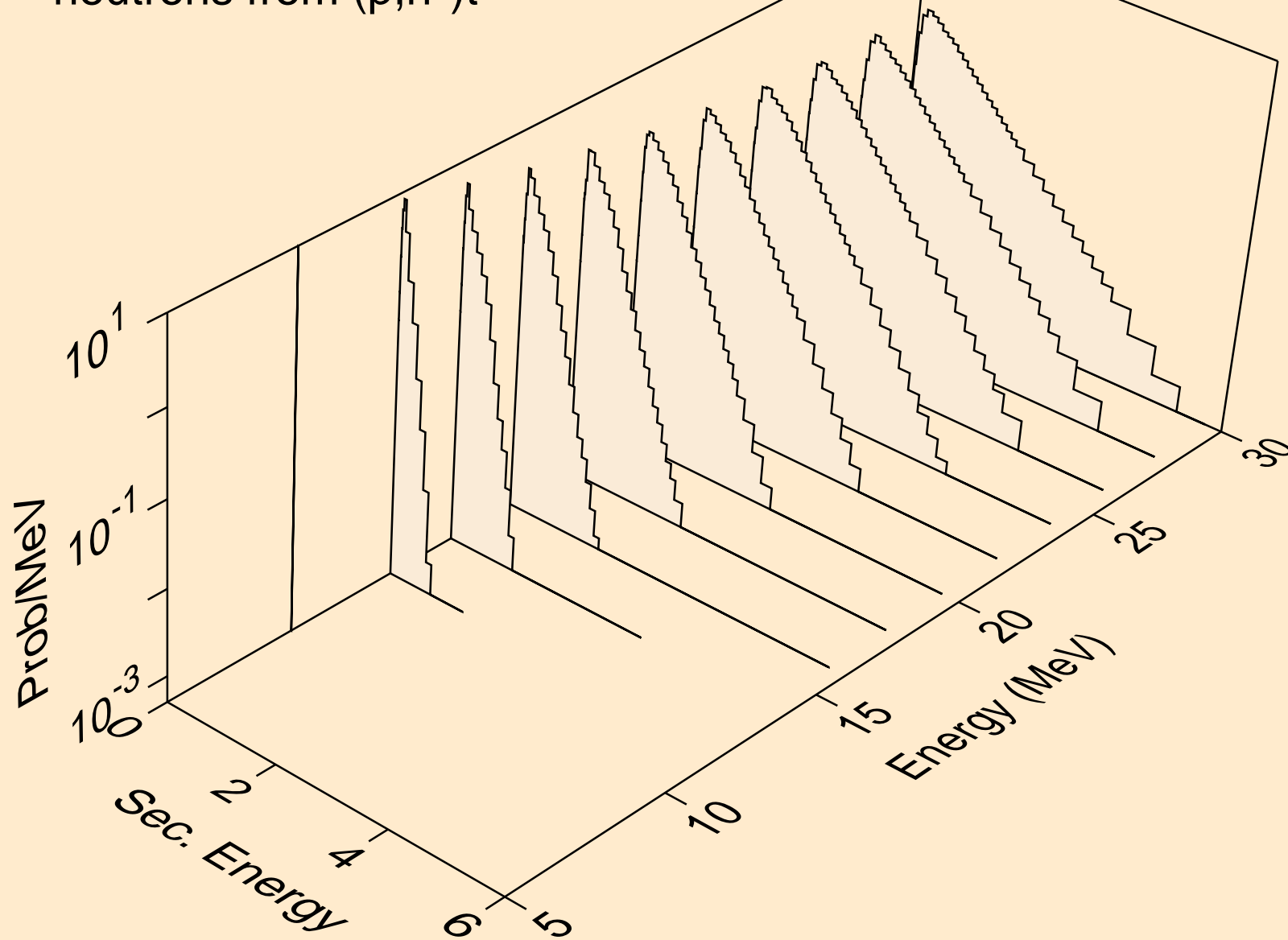
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)p



LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)d

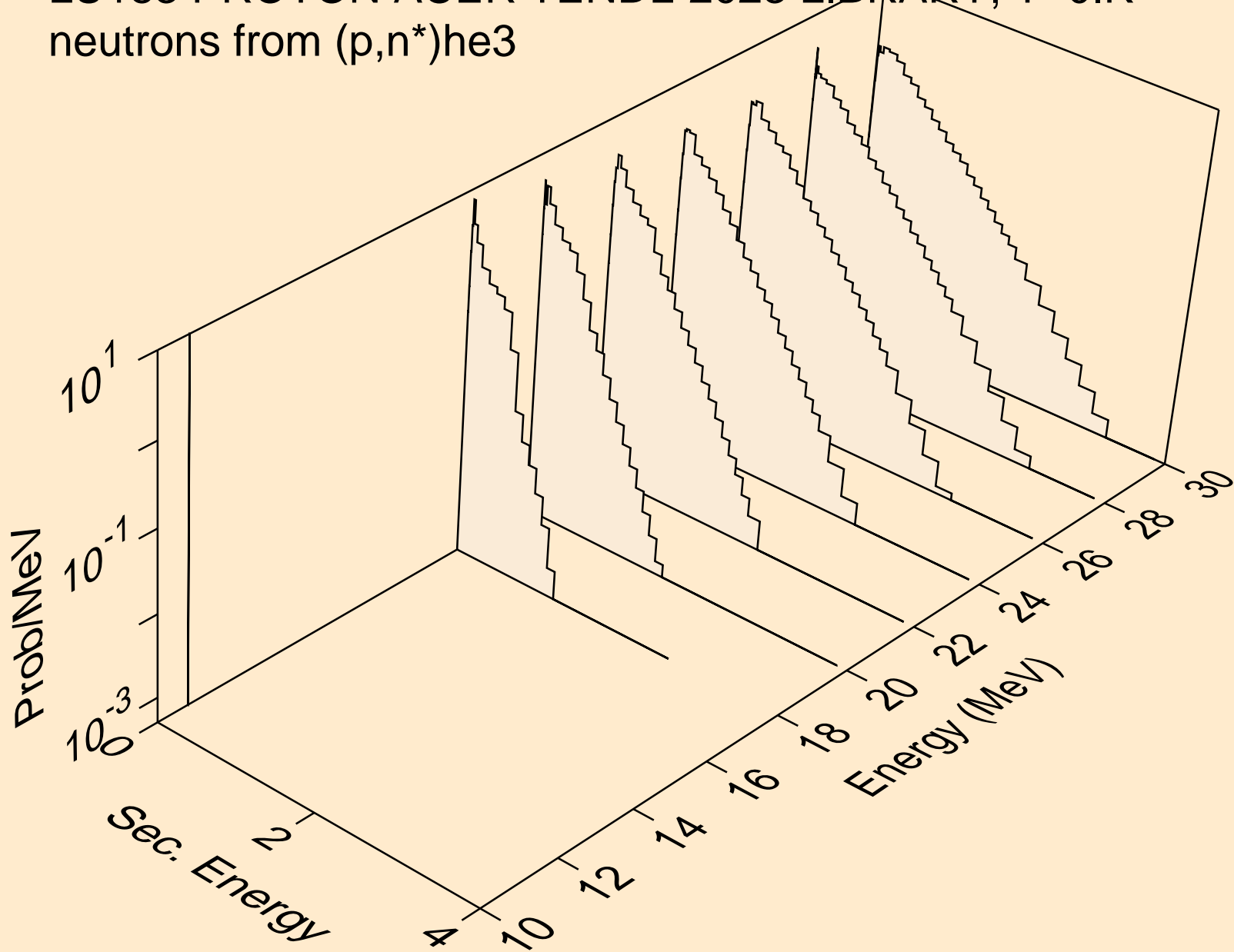


LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)t

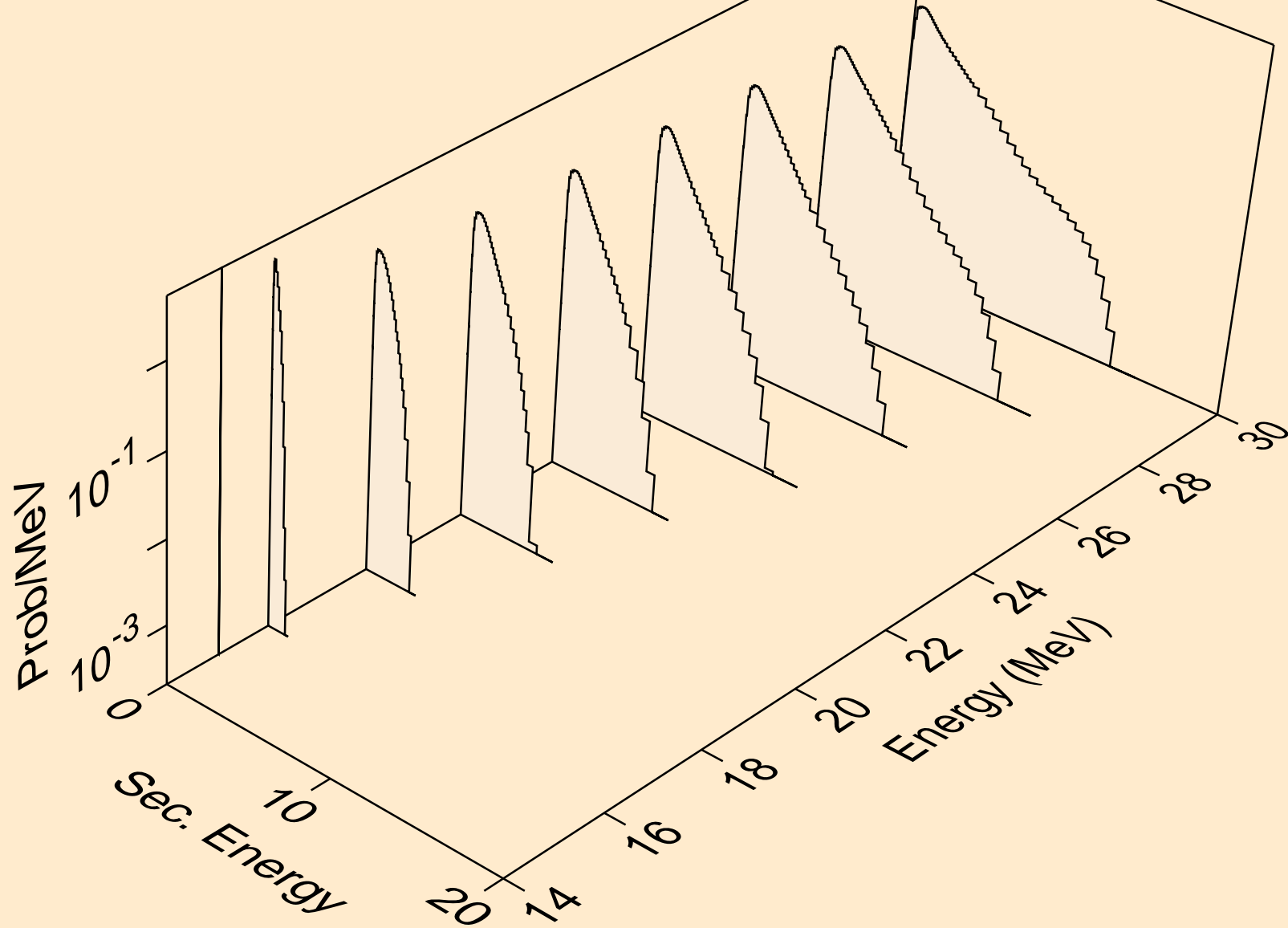




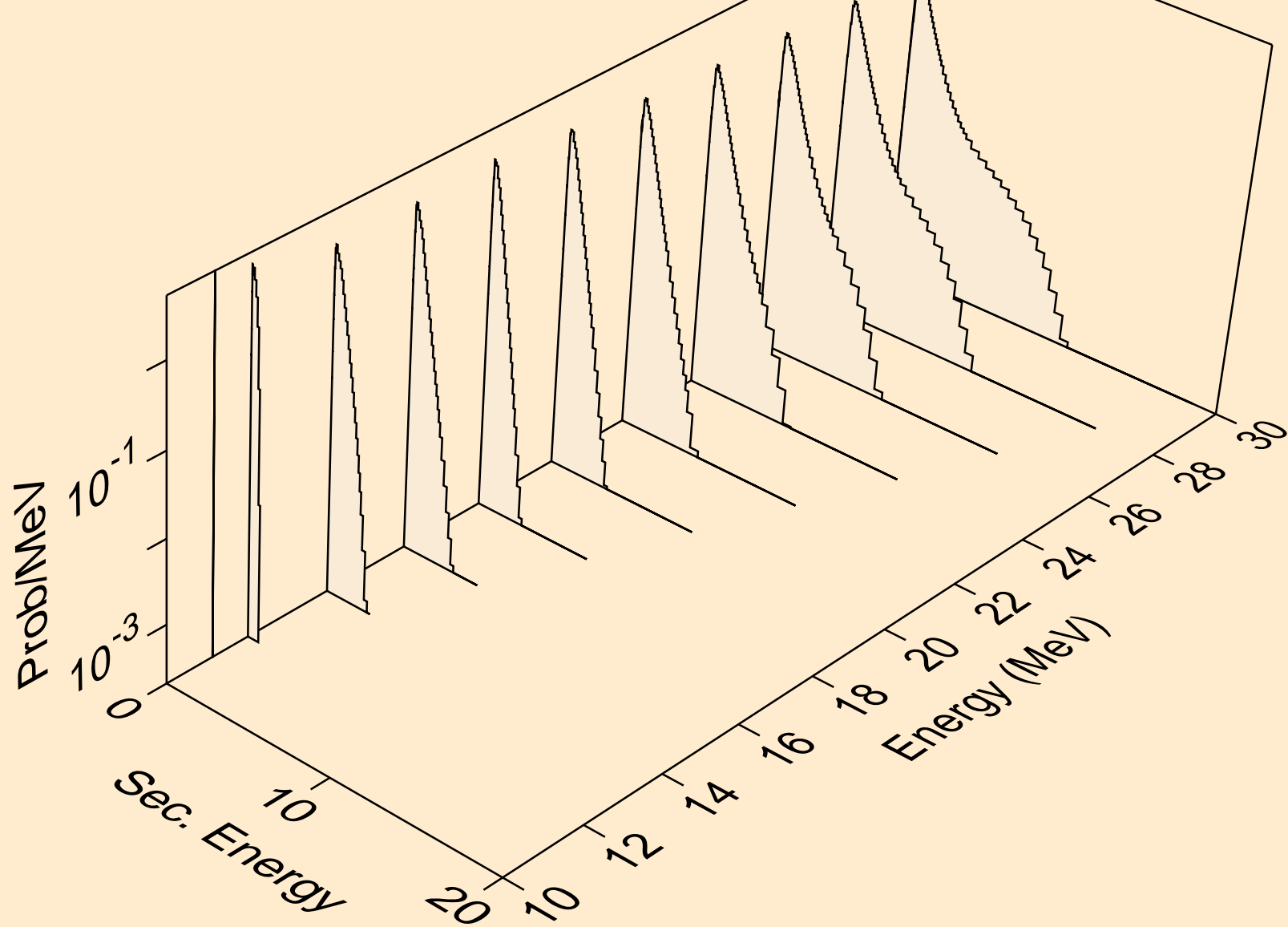
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



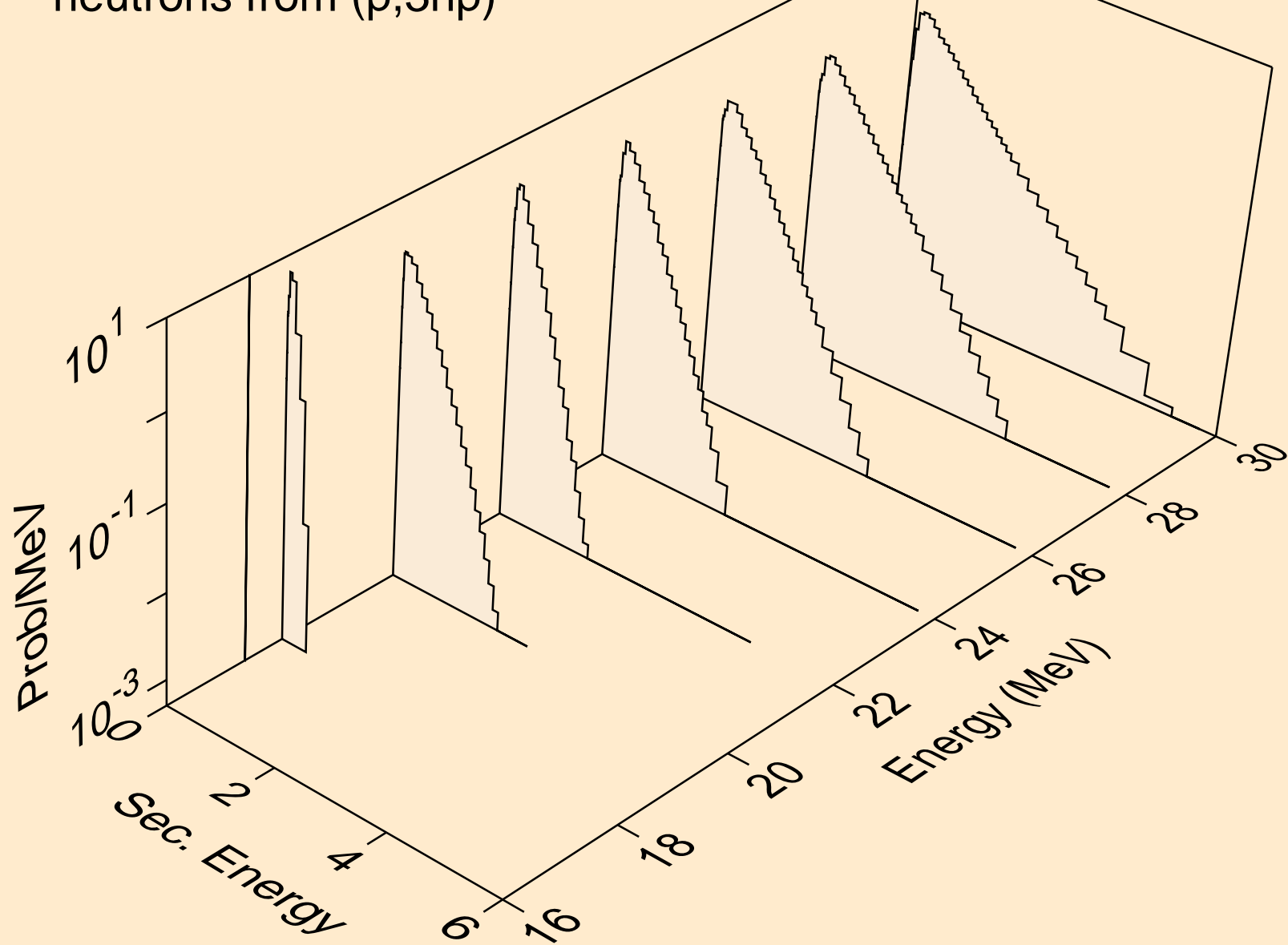
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,4n)



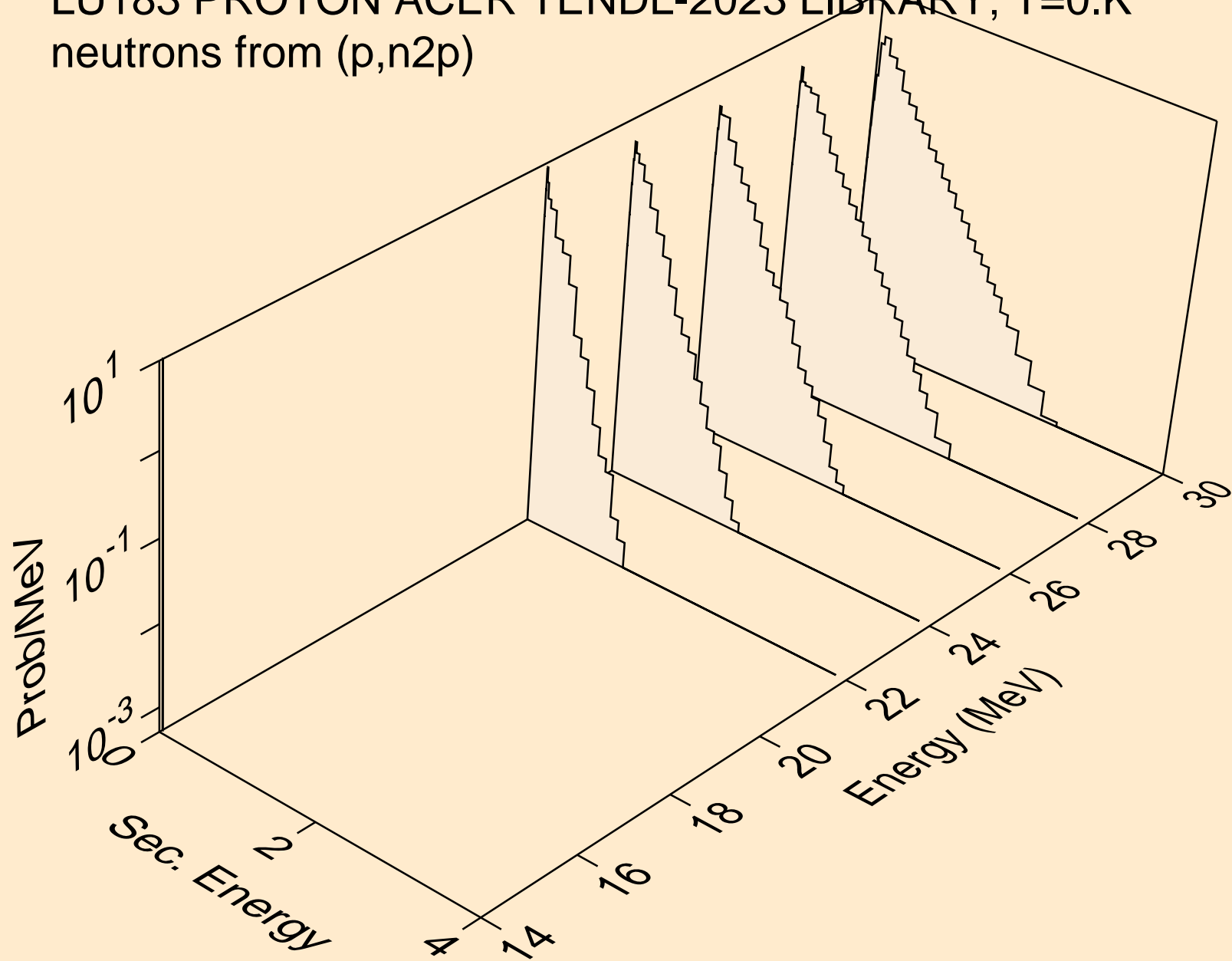
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neutrons from (p,2np)



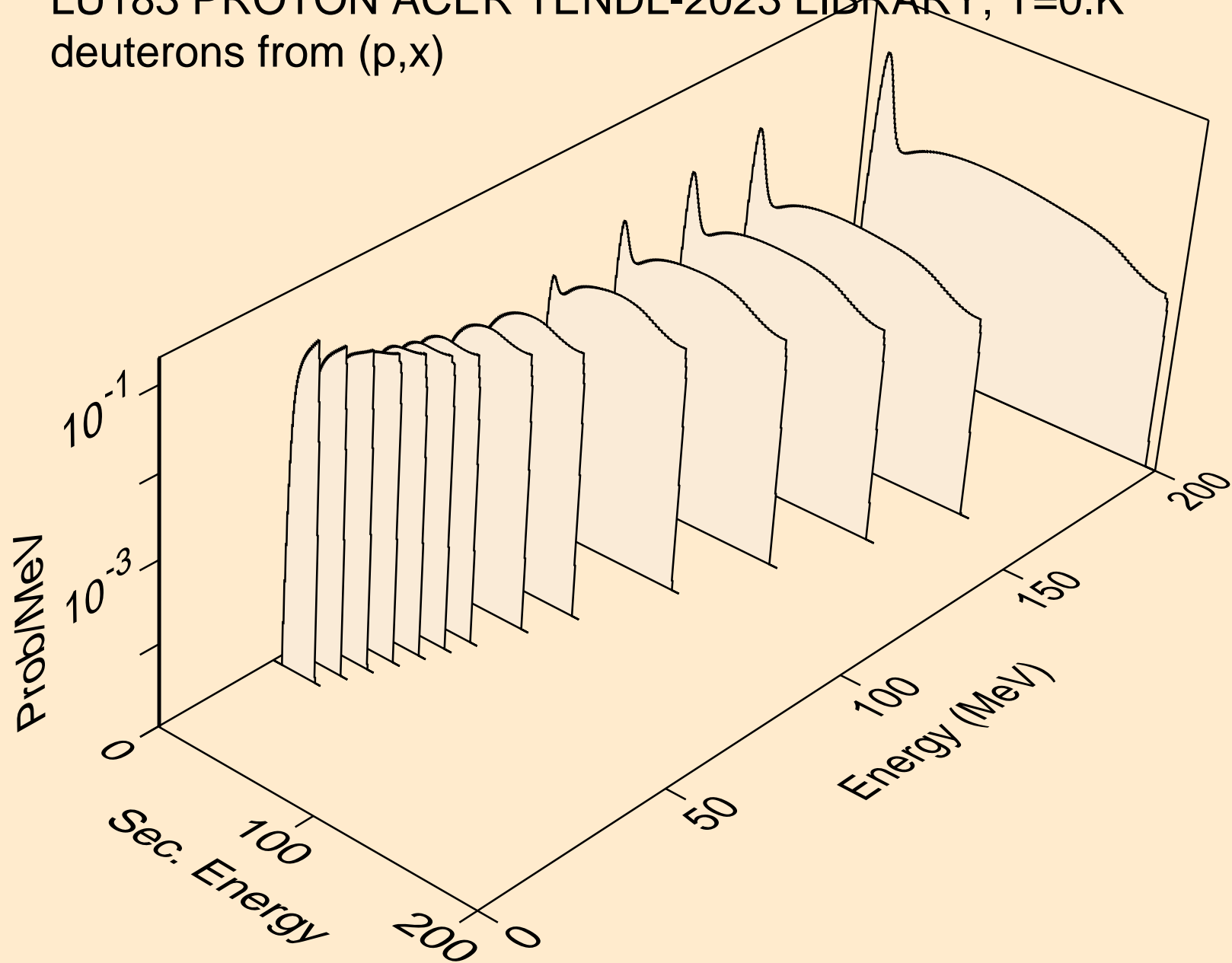
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neutrons from (p,3np)



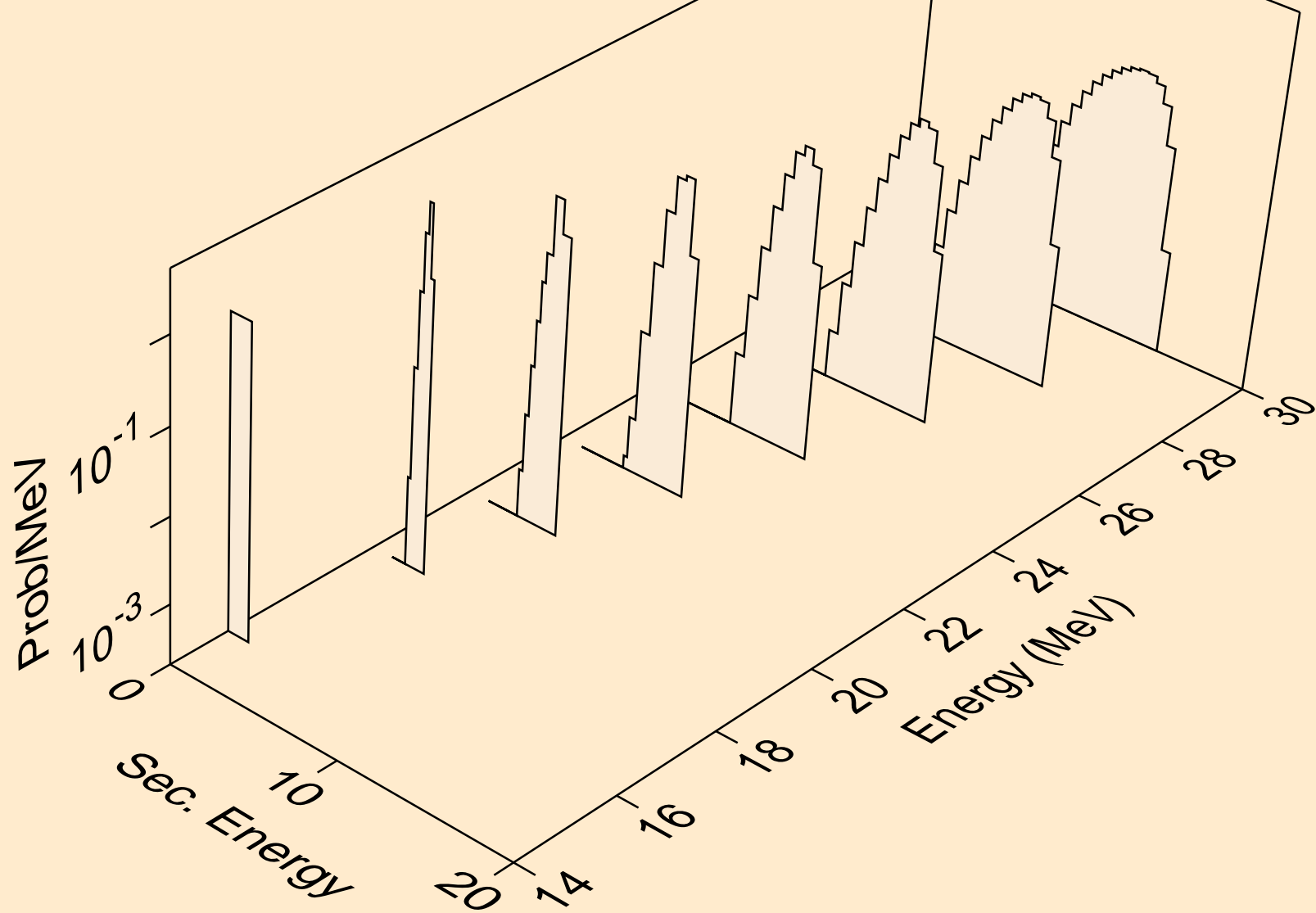
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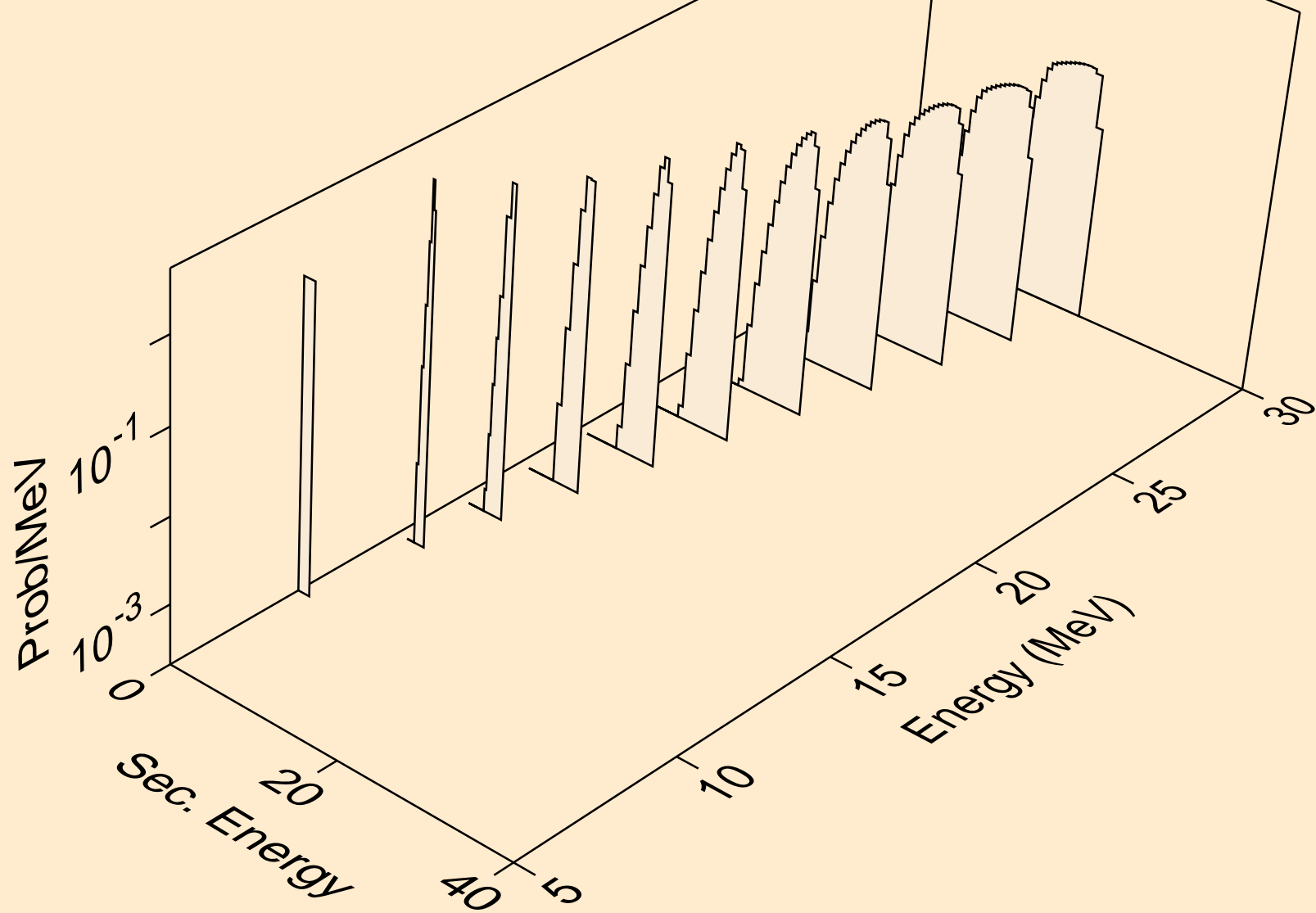
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,x)



LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,2nd)

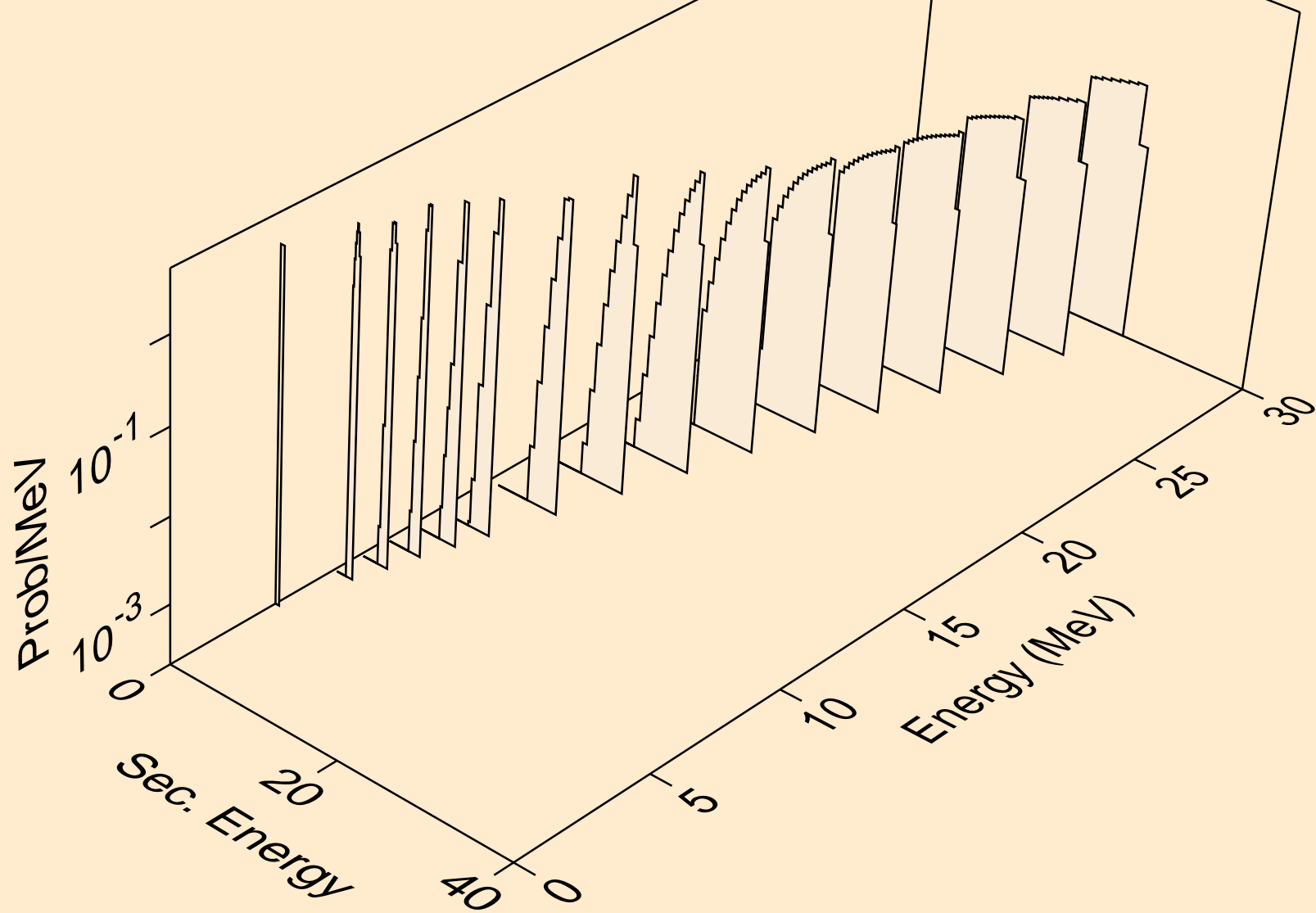


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deuterons from (p,n\*)d

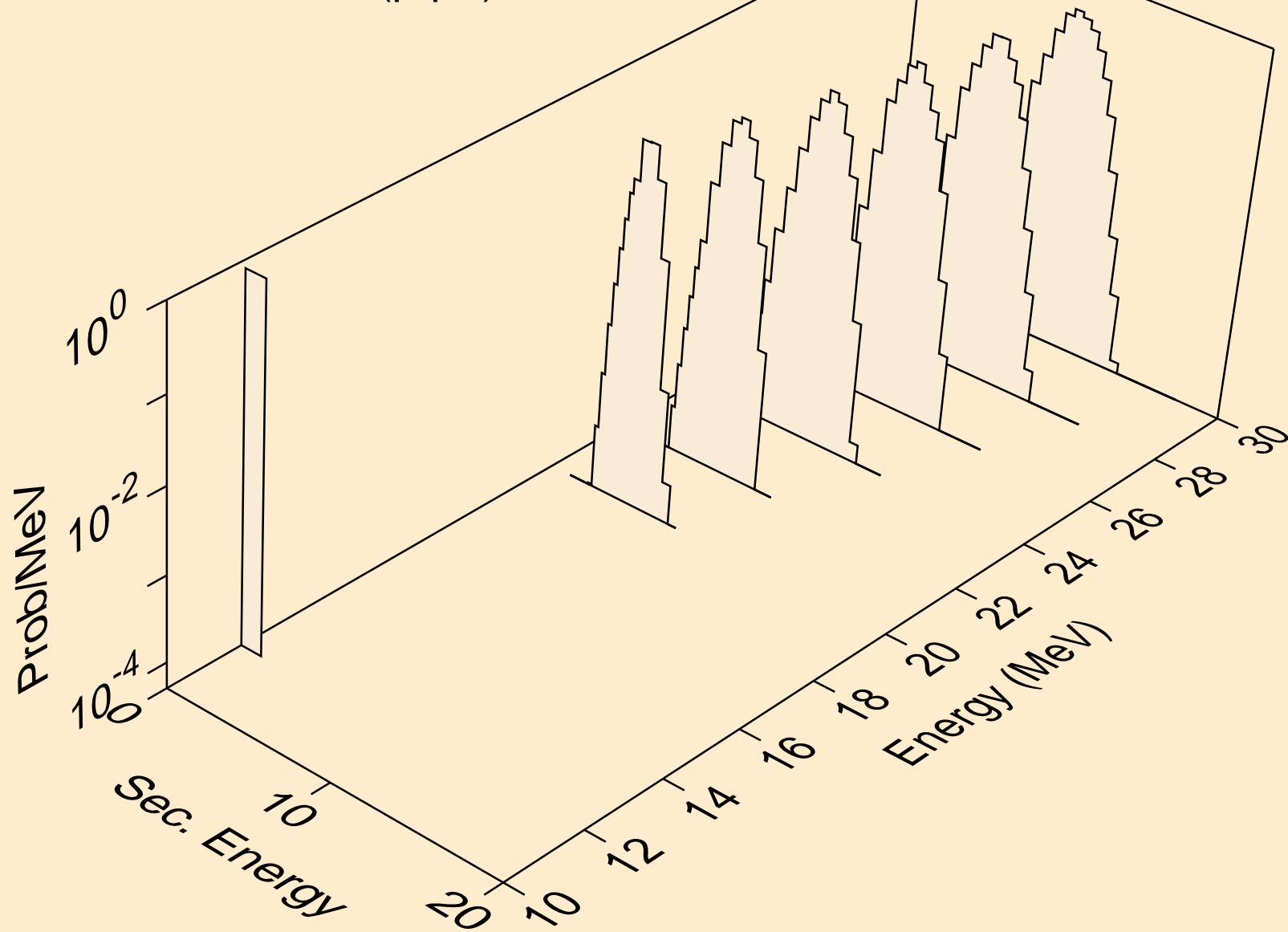




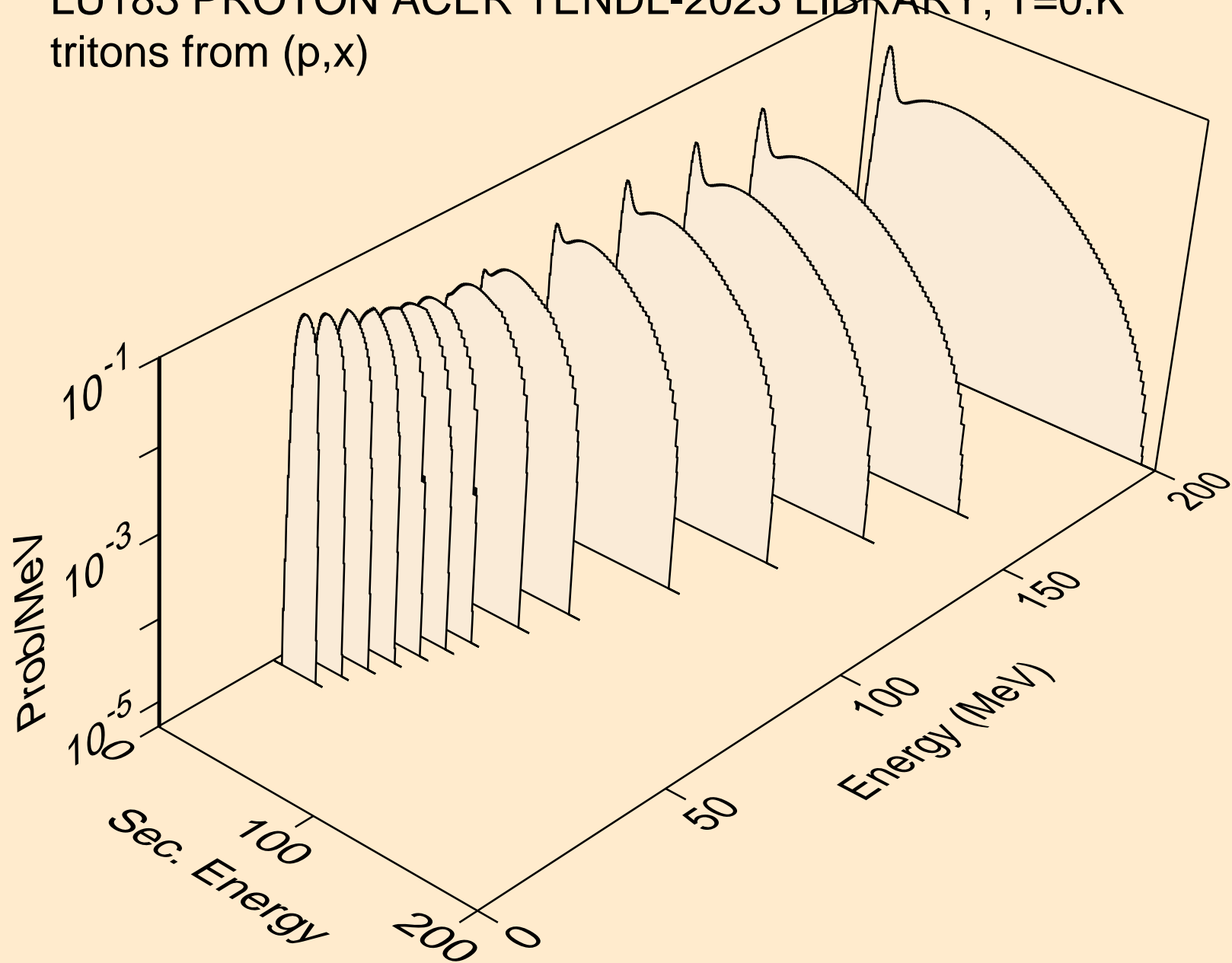
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deuterons from (p,d)



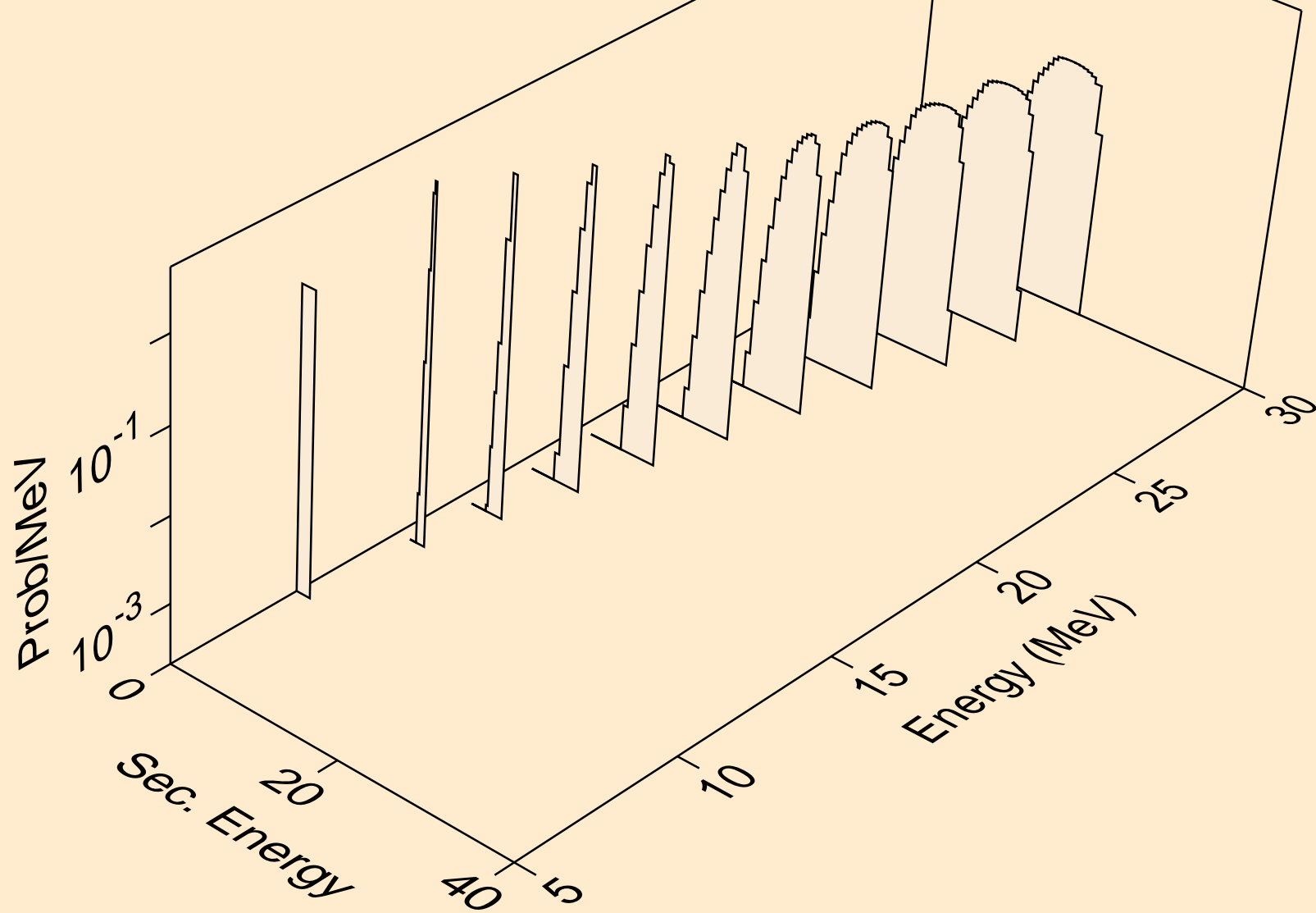
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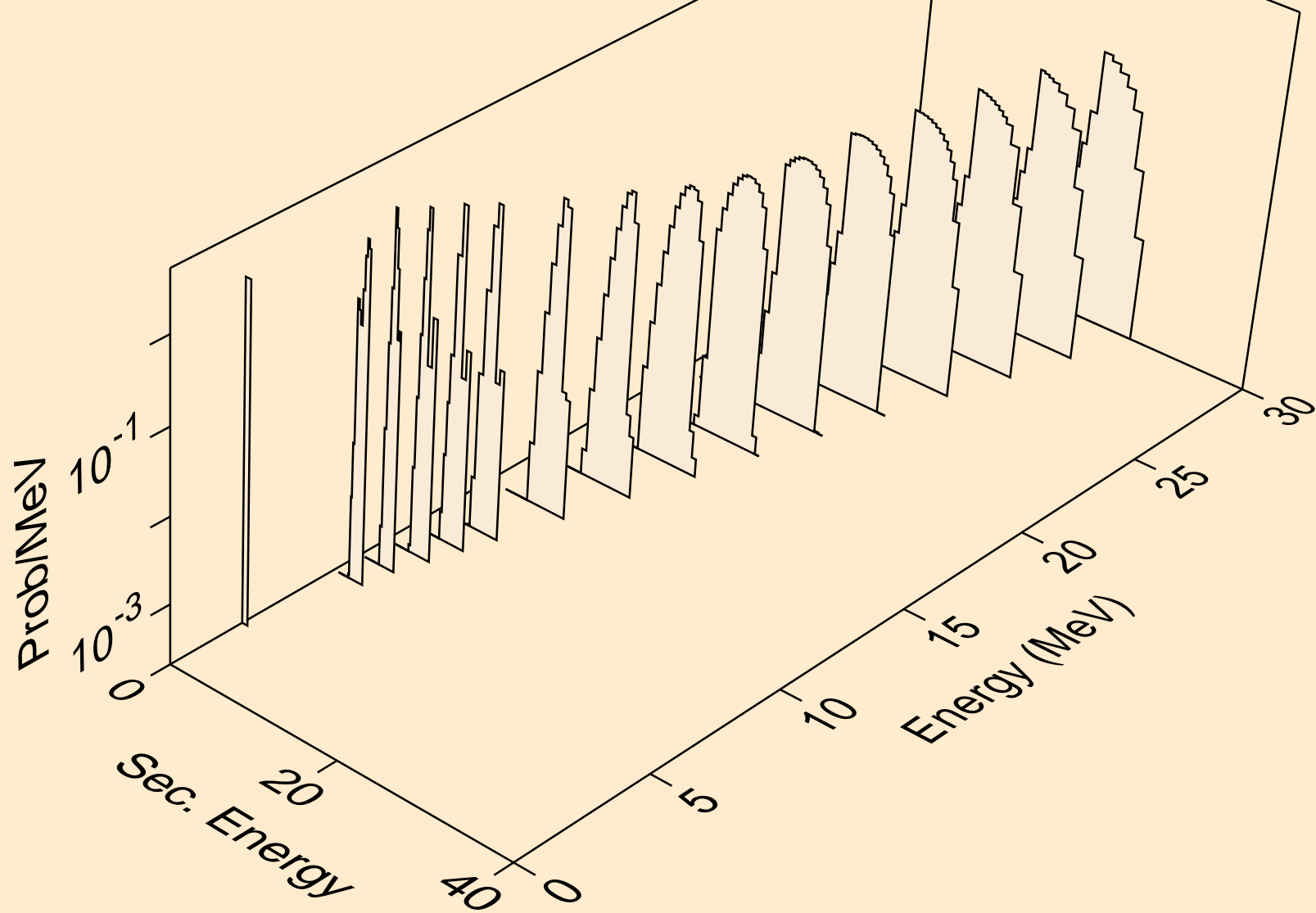
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)



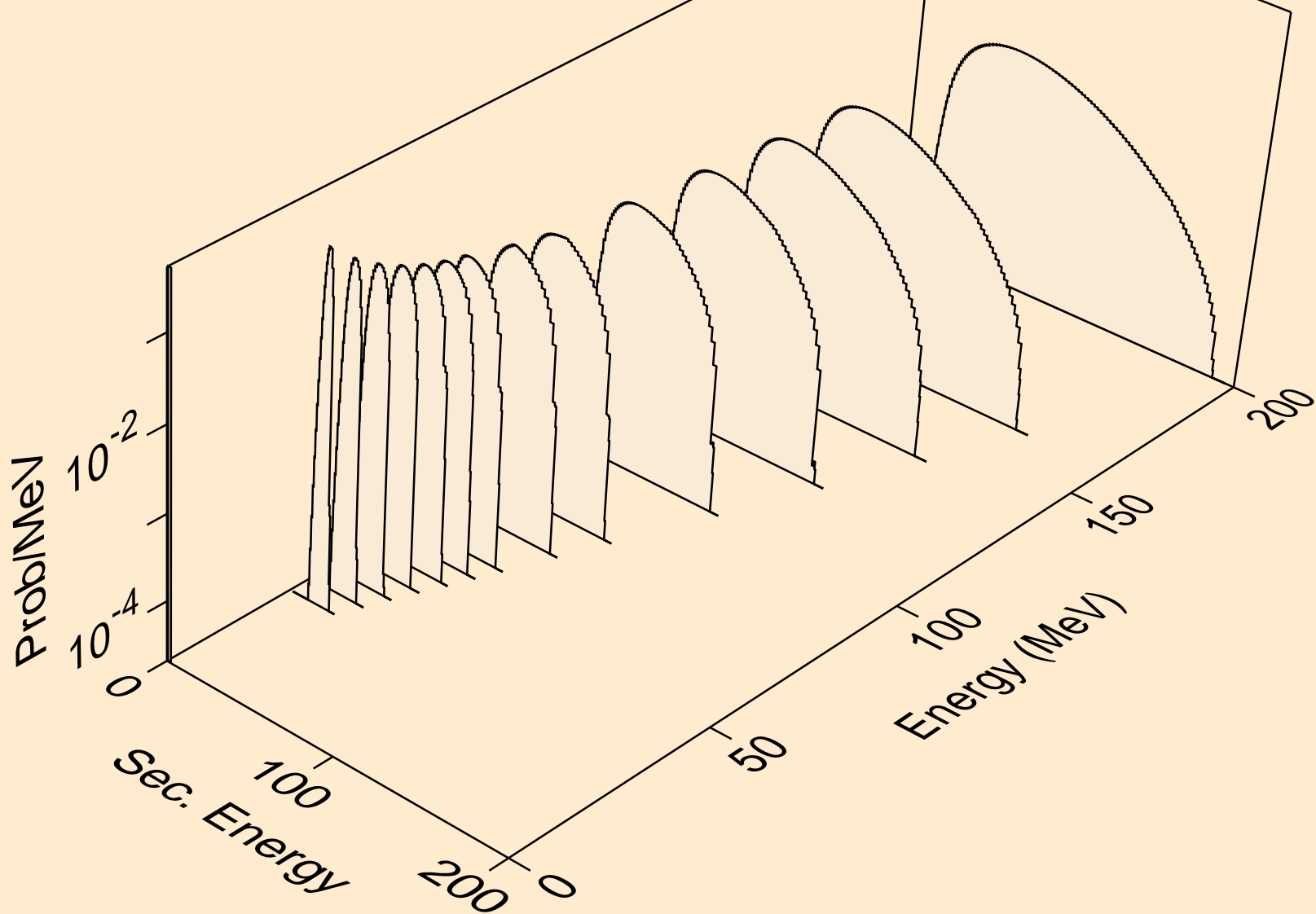
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,n\*)t



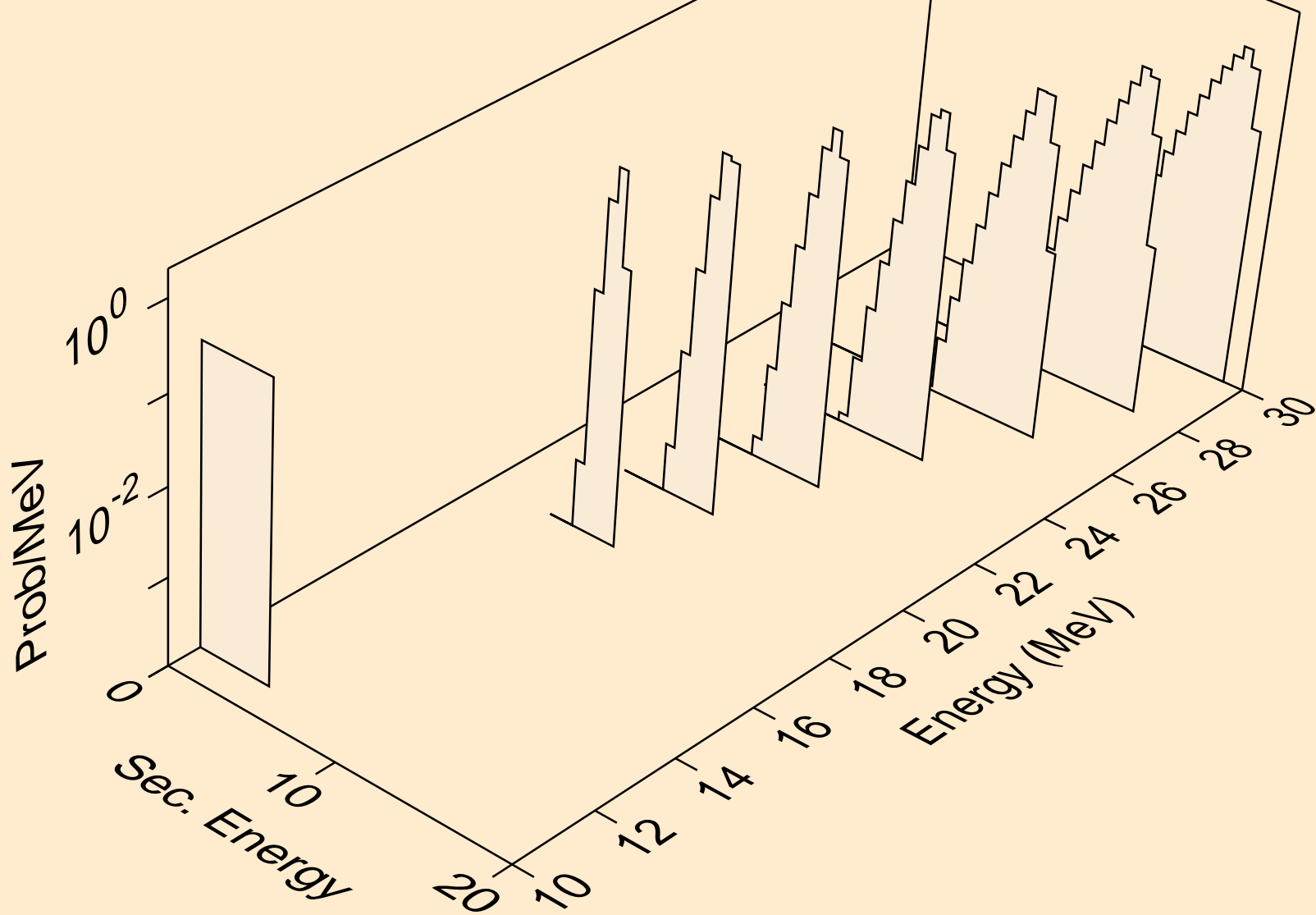
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,t)



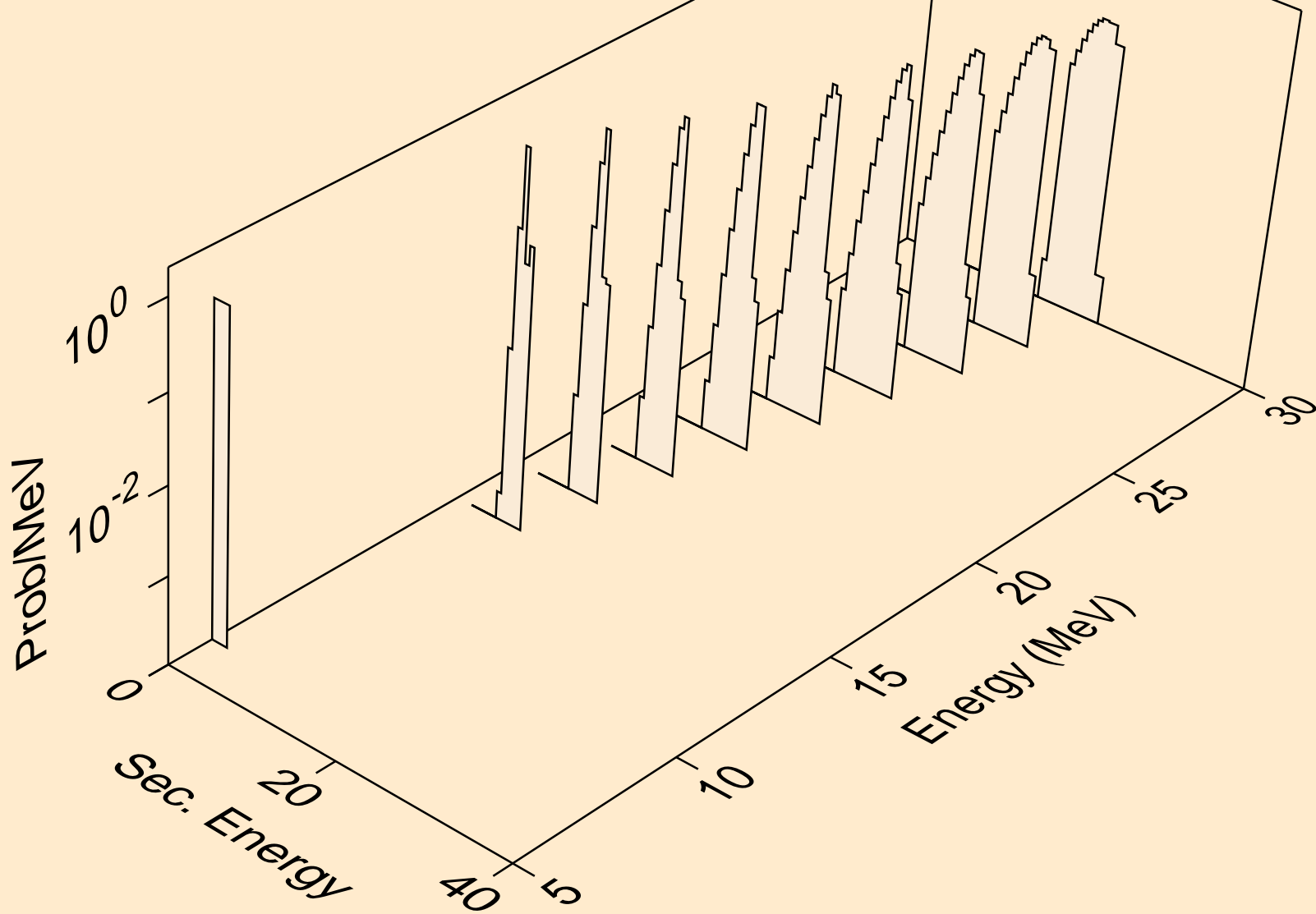
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)



LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3

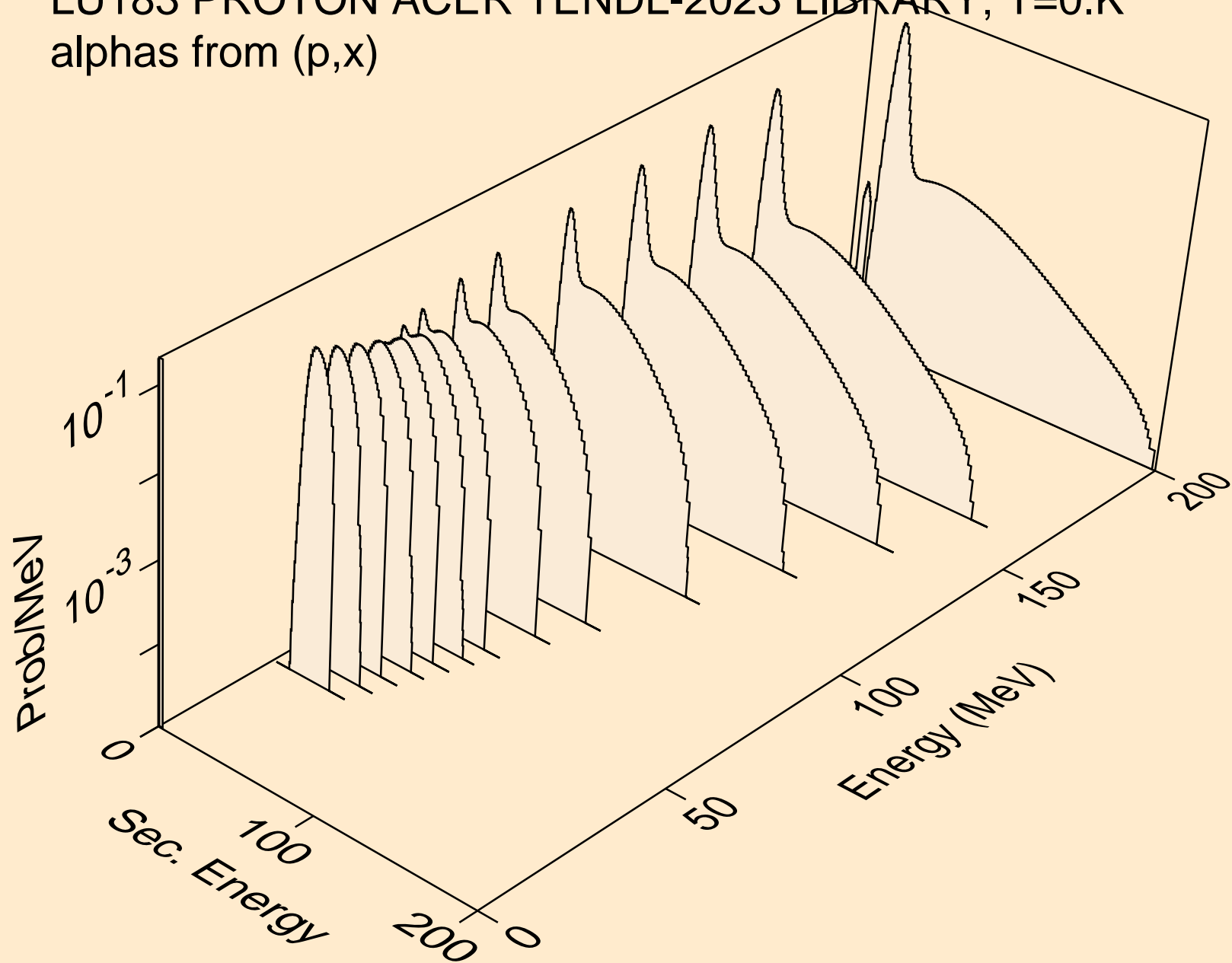


LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,he3)

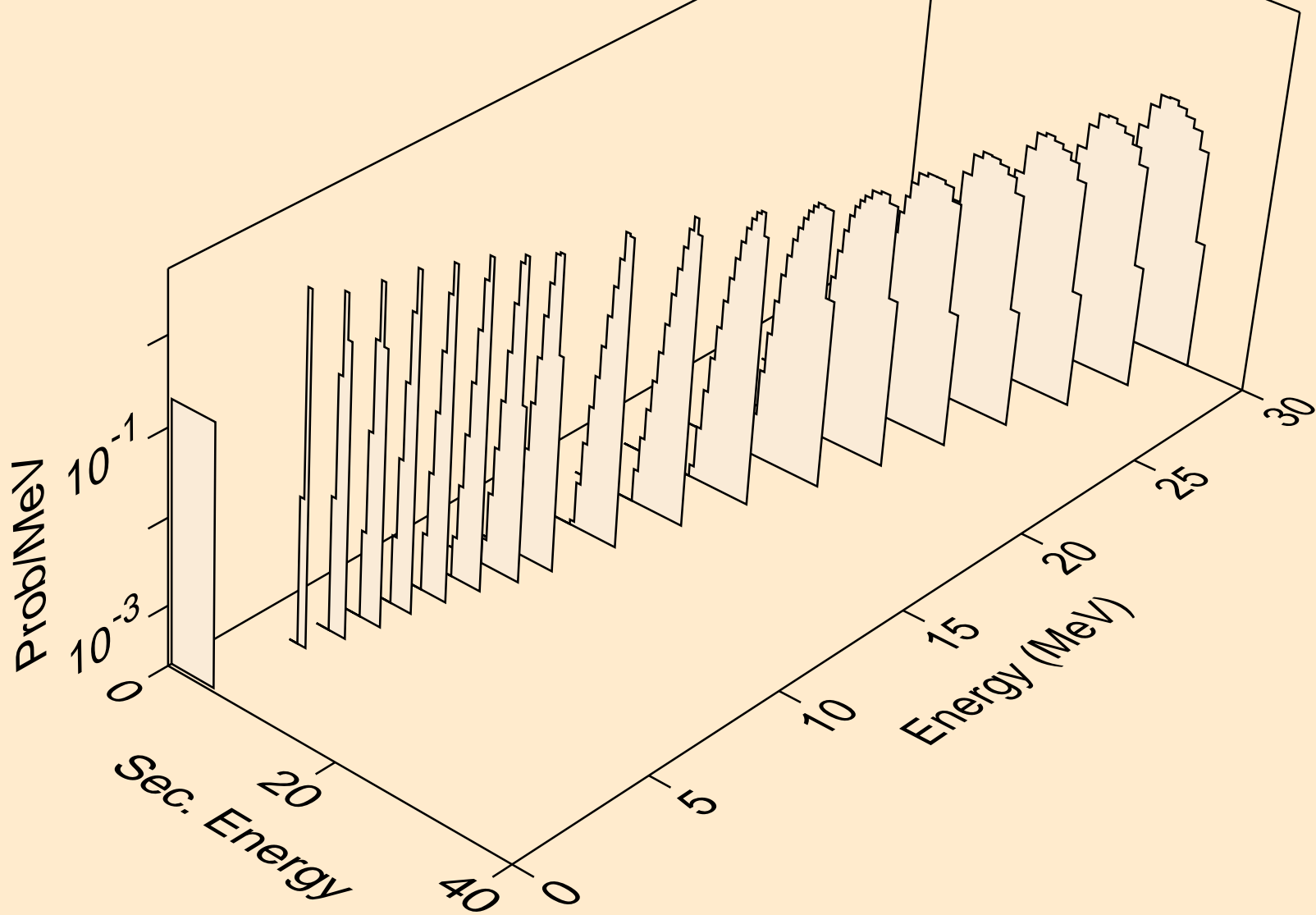




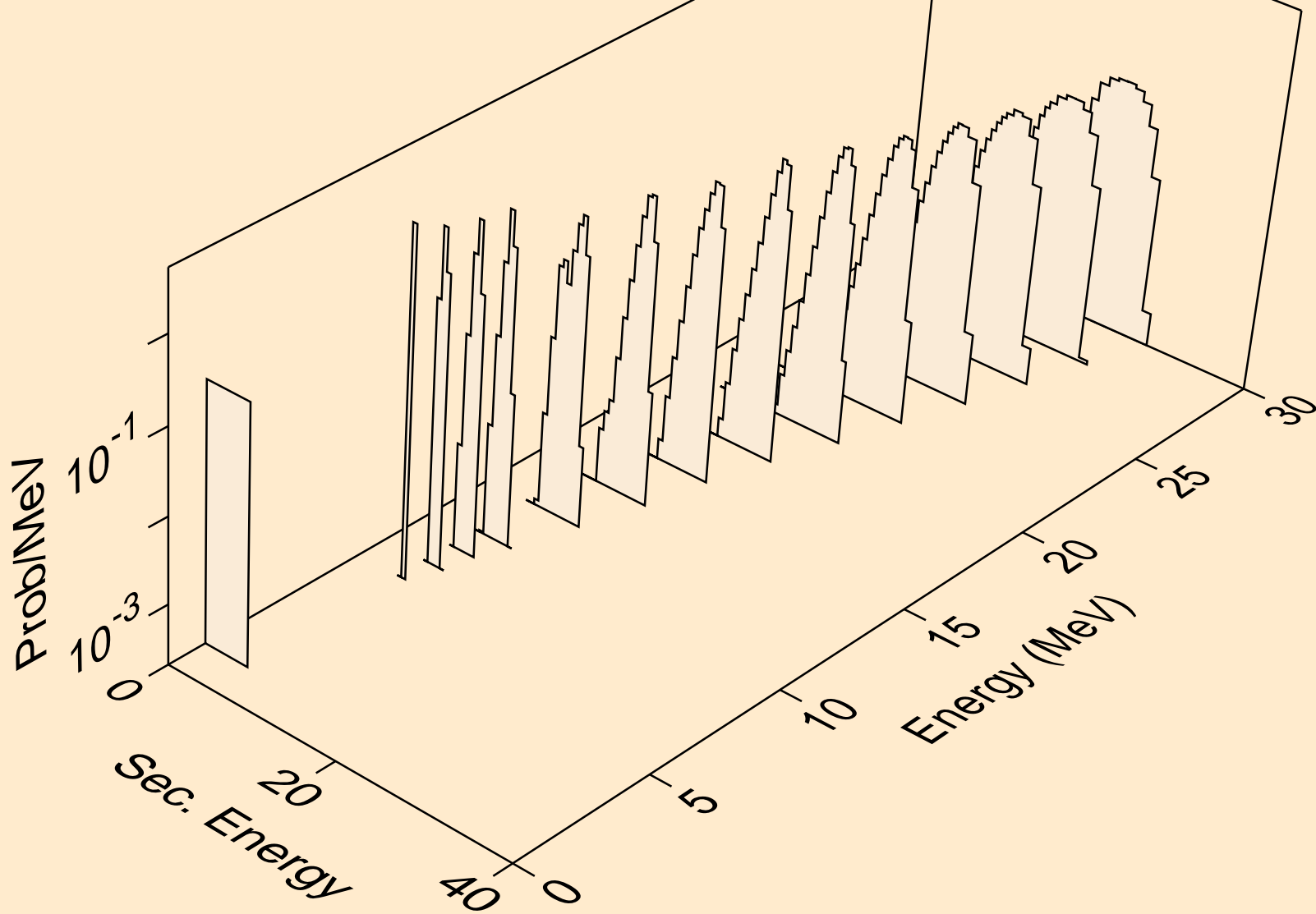
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)



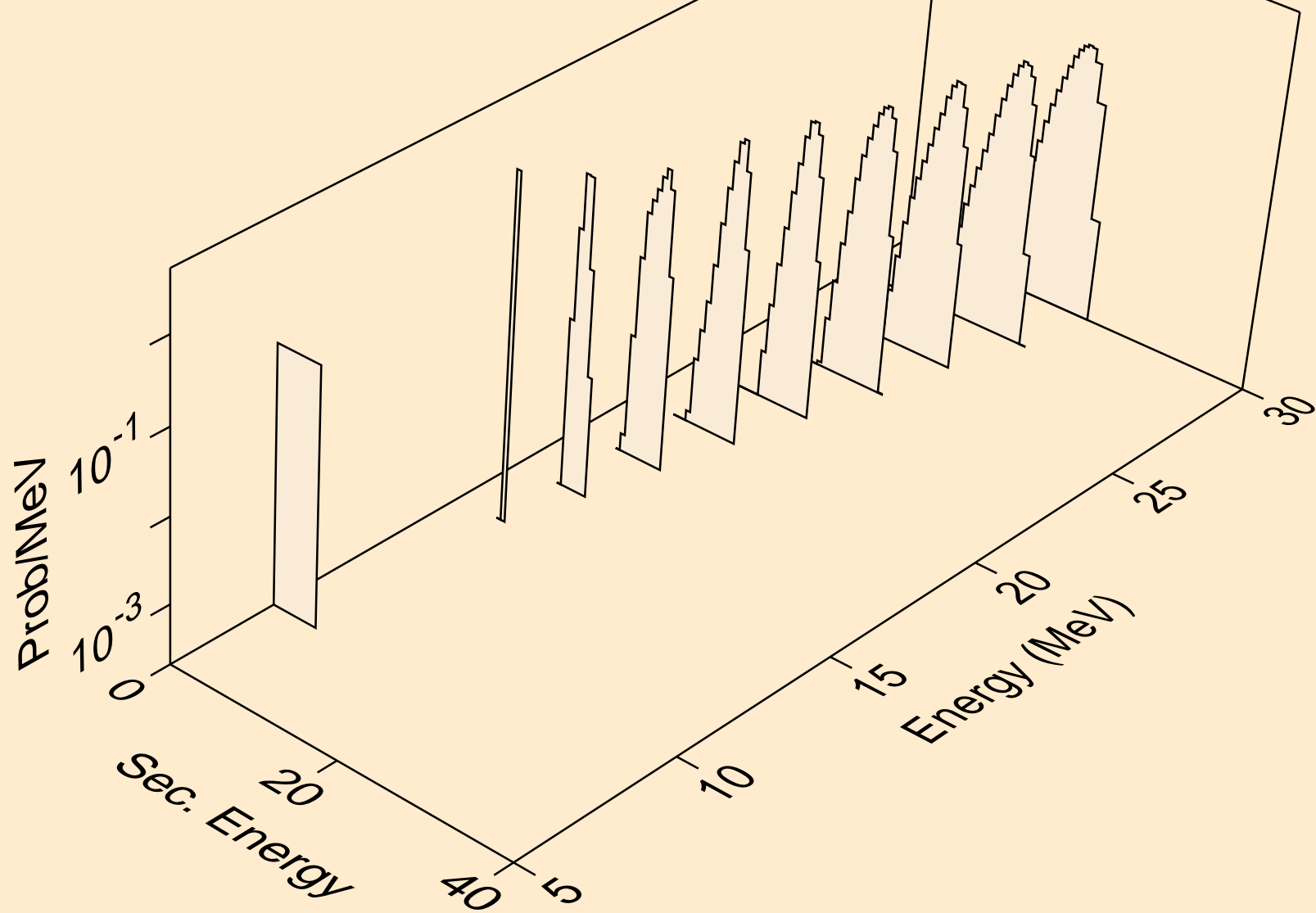
LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a



LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)a



LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3n)a



LU183 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)

