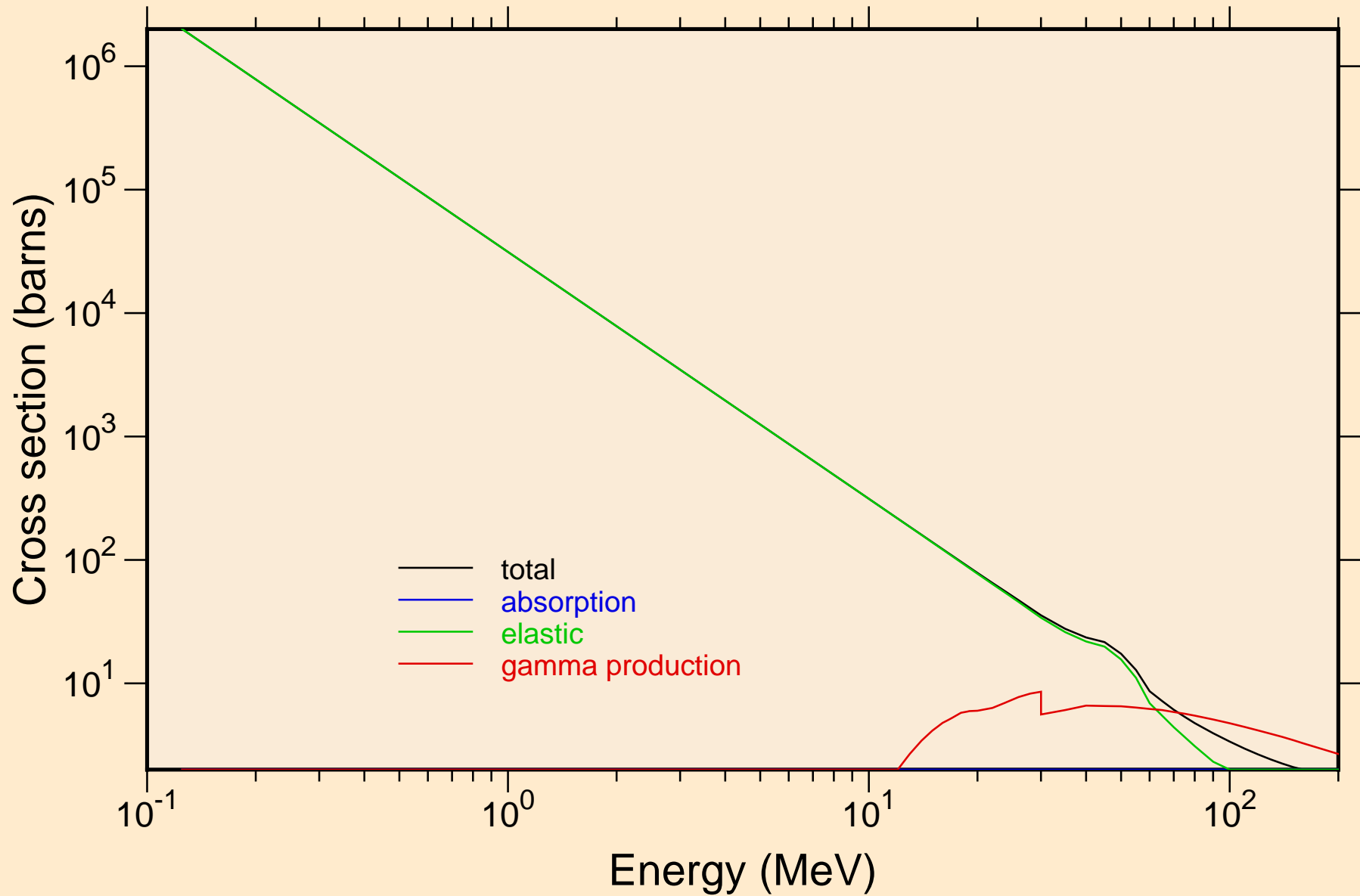
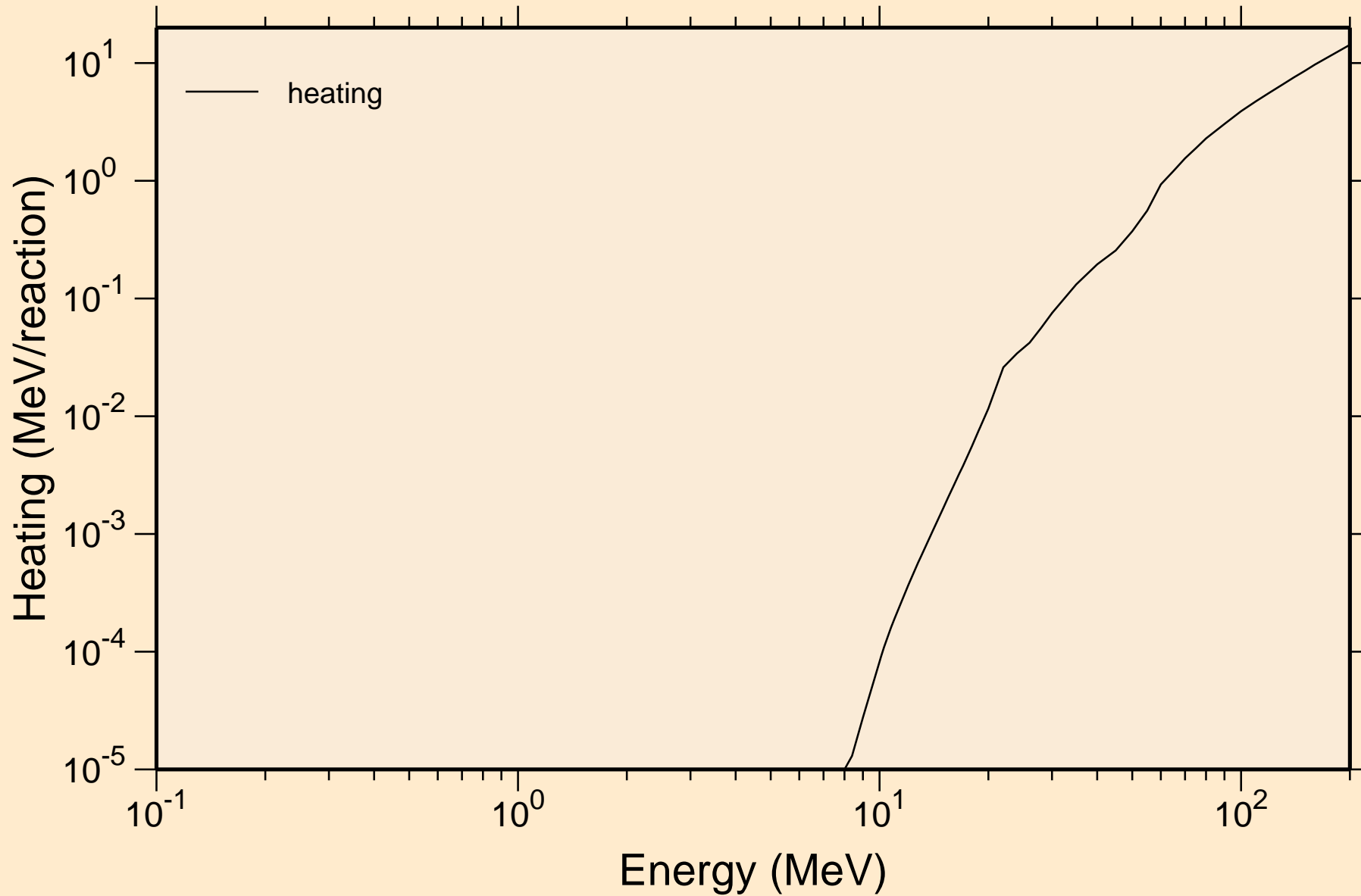


LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



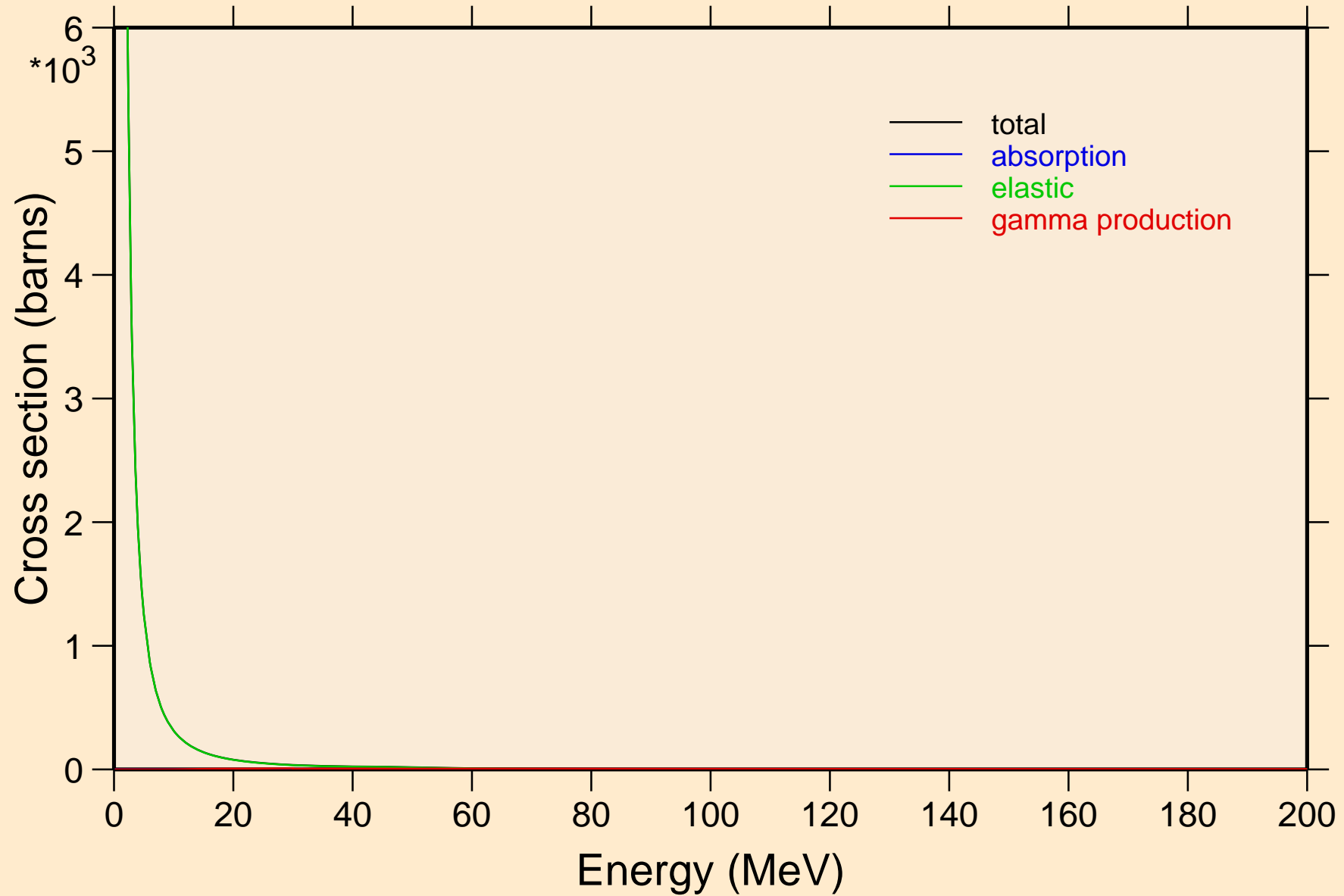
# LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



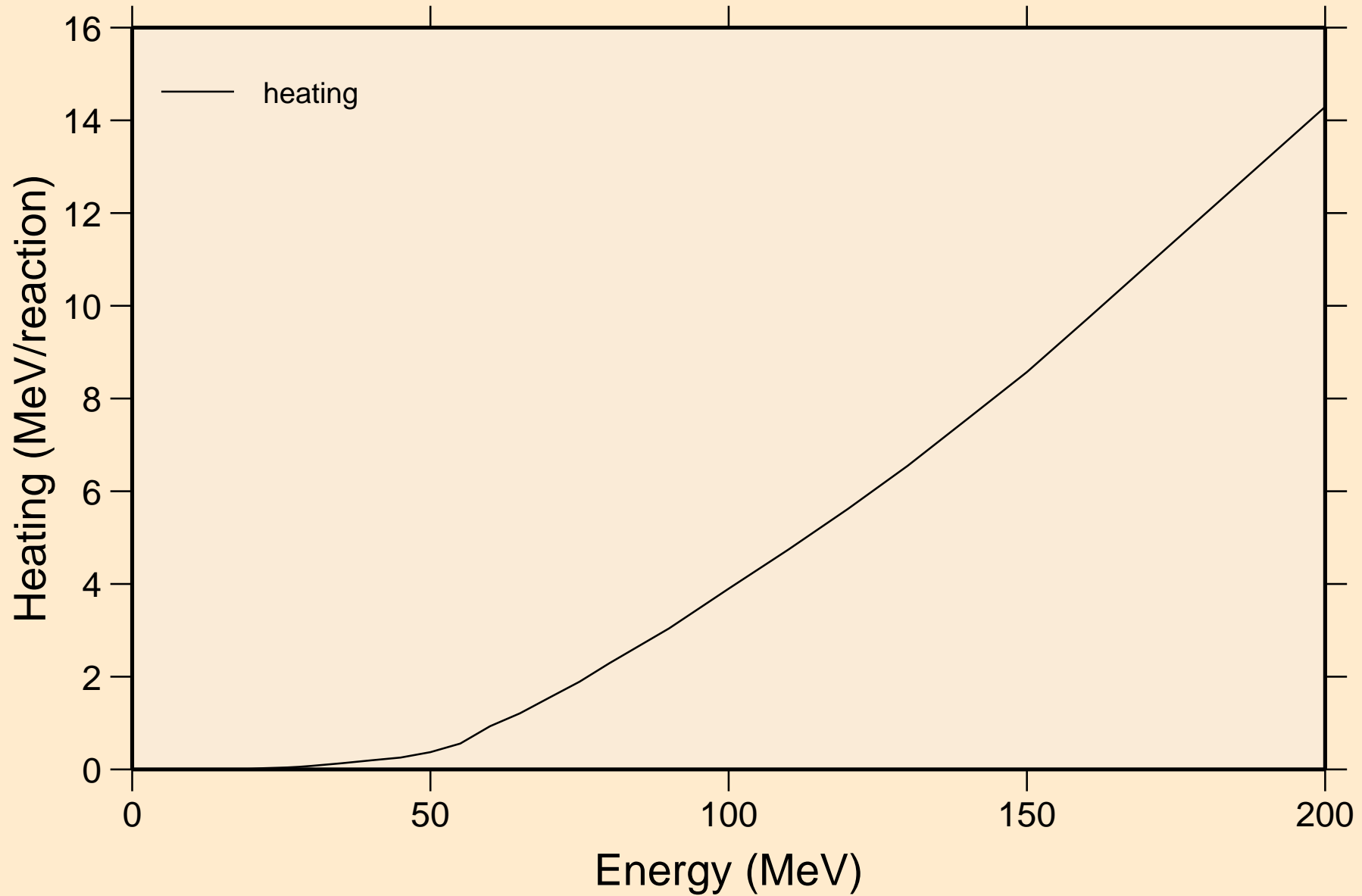
# LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



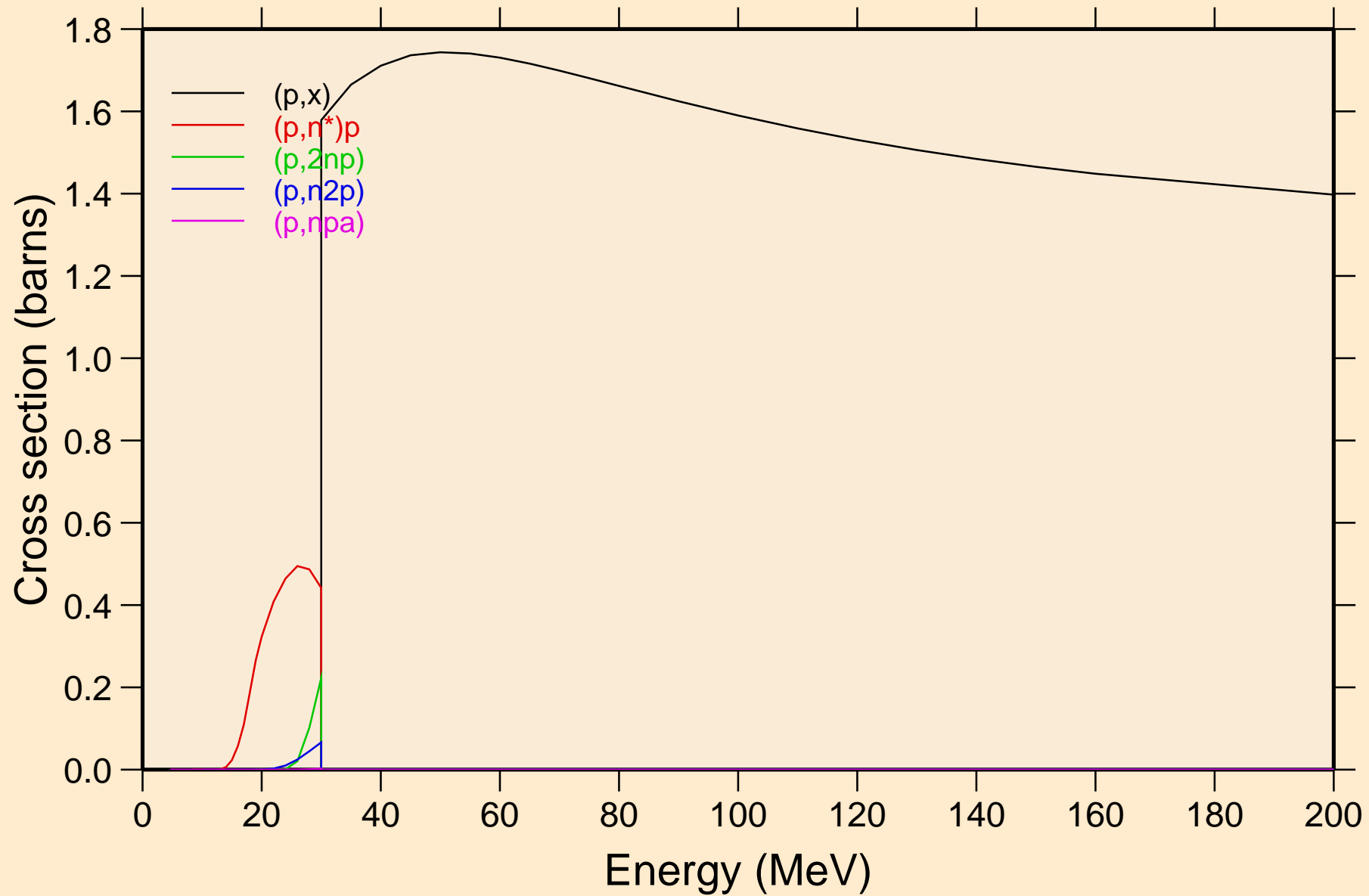
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Heating



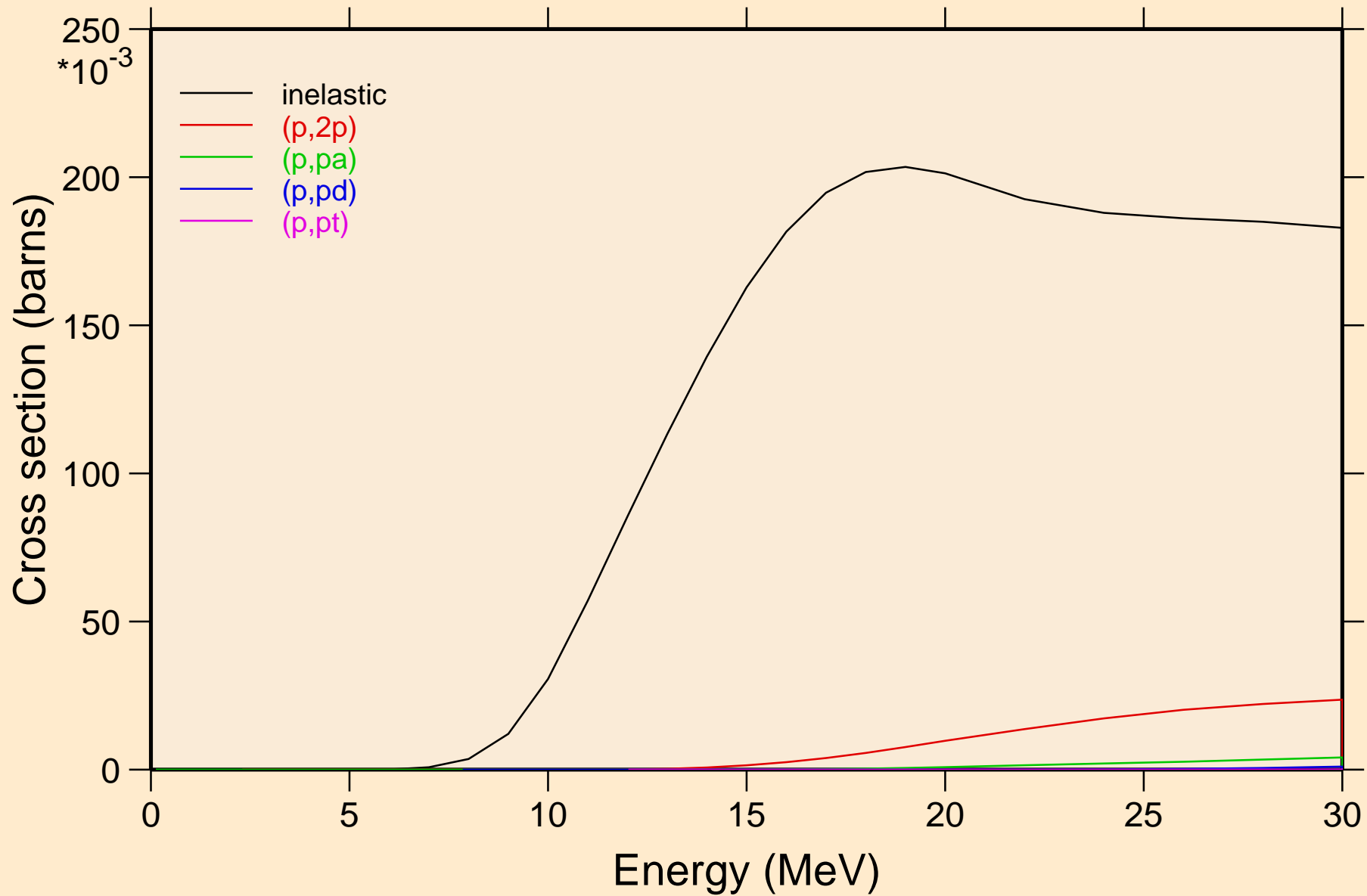
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## Threshold reactions

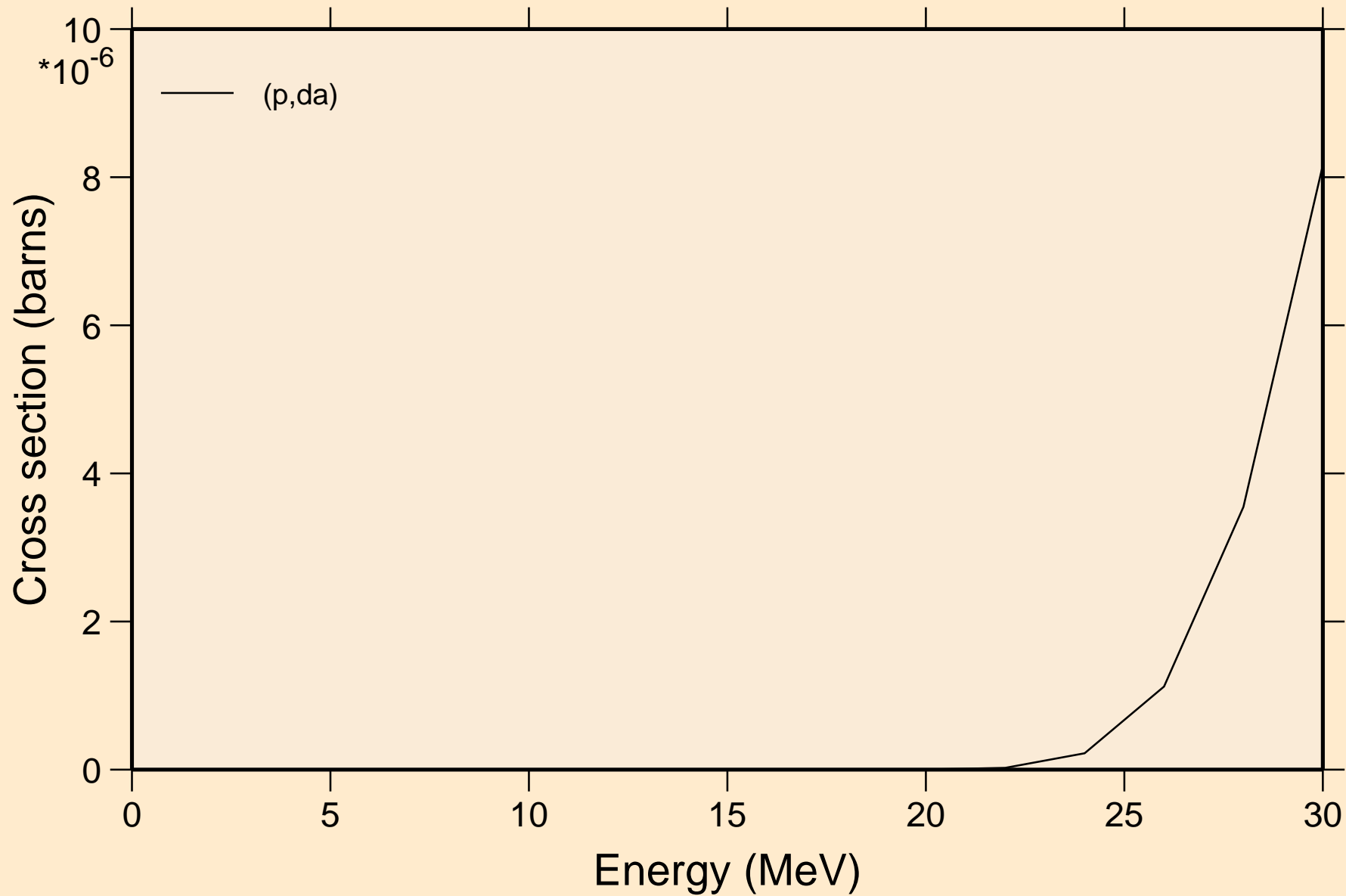


# LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K

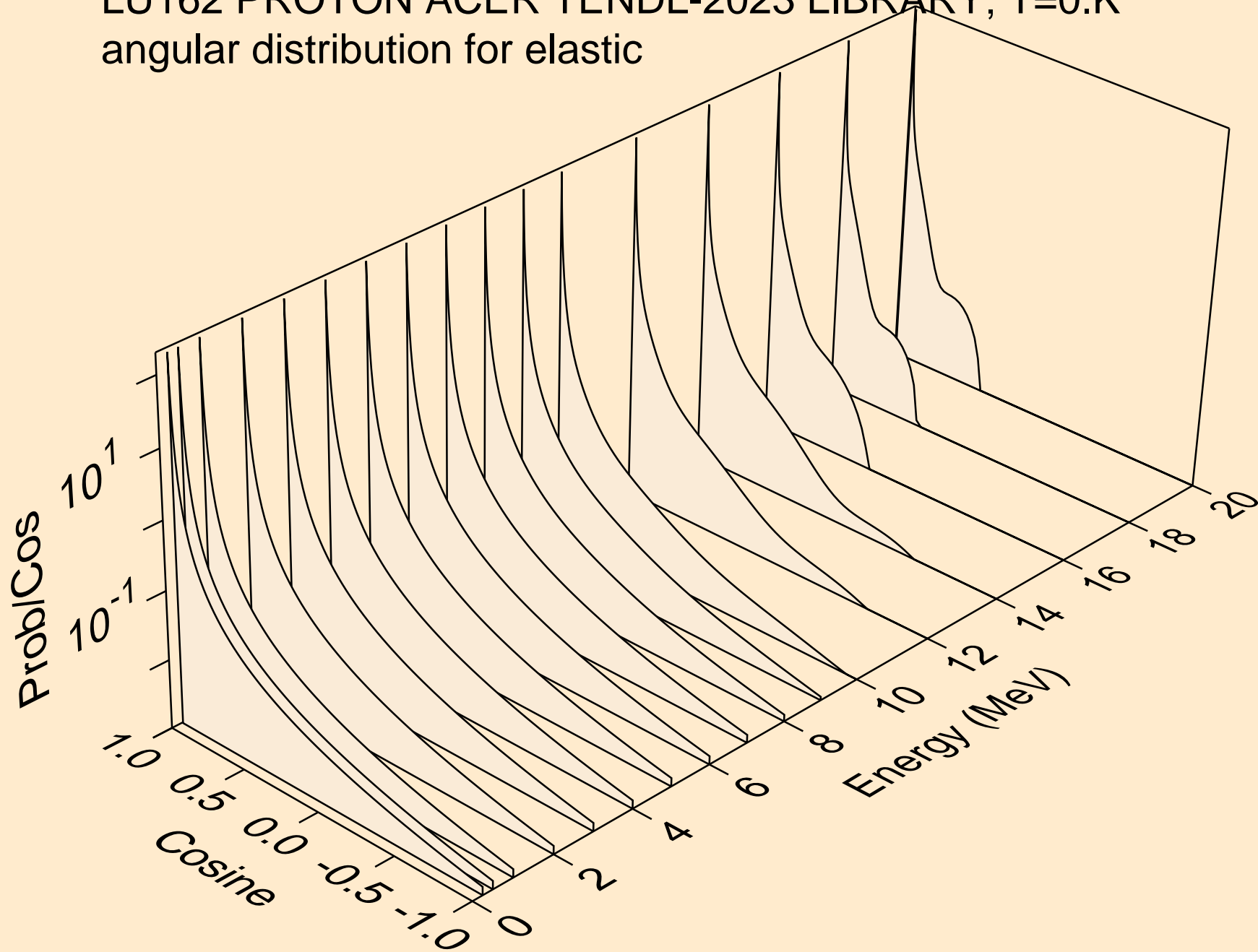
## Threshold reactions



LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

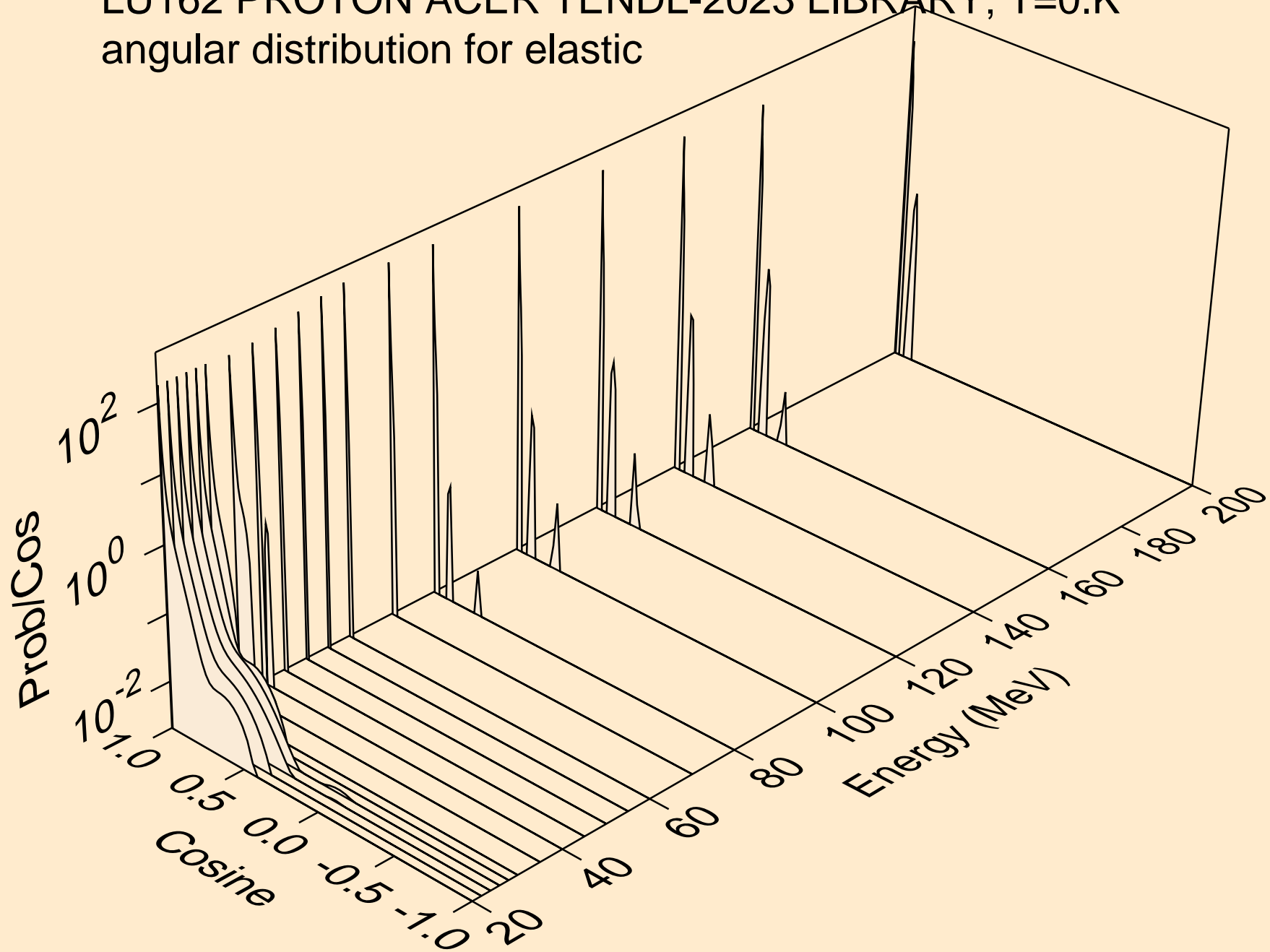


LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

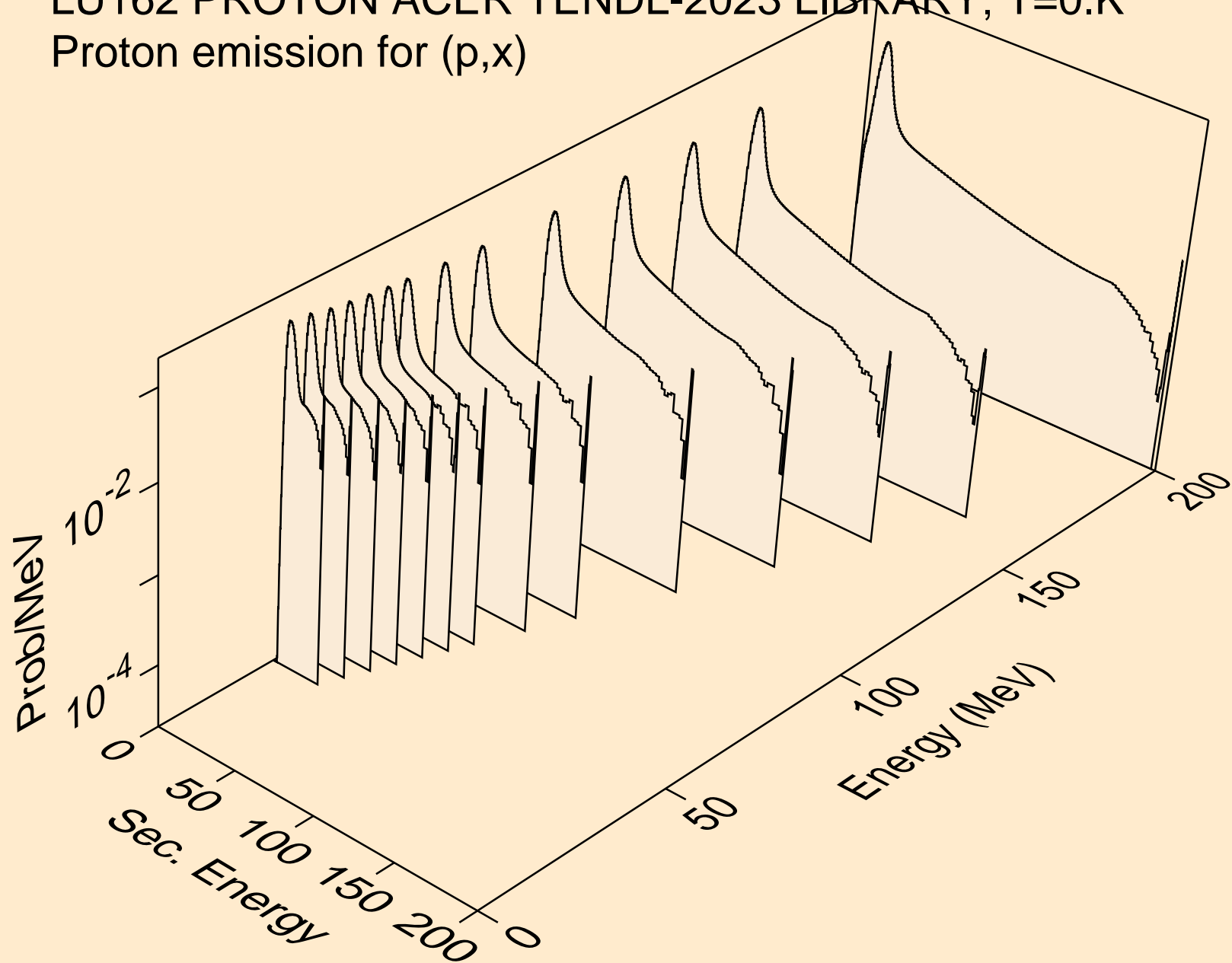




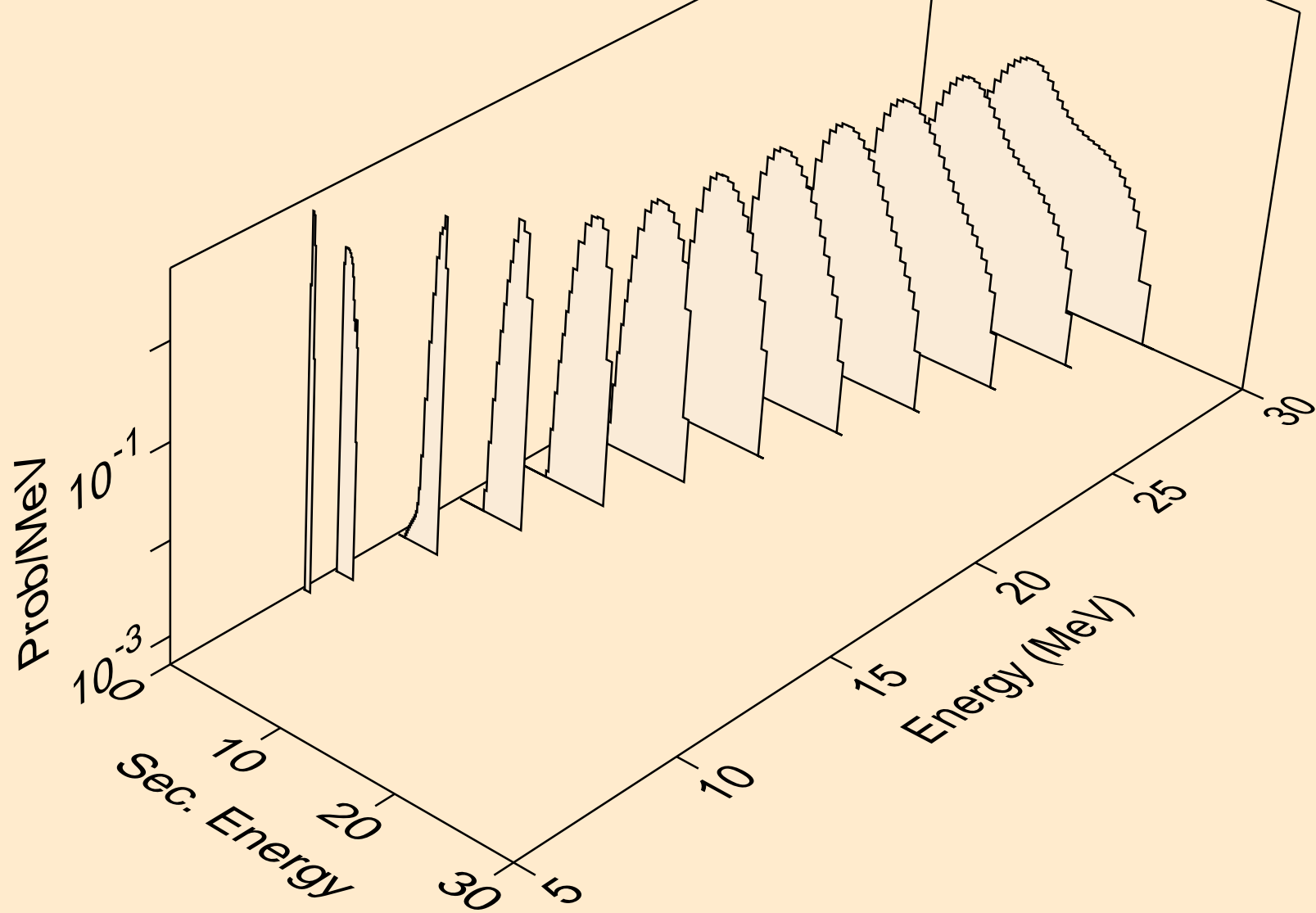
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



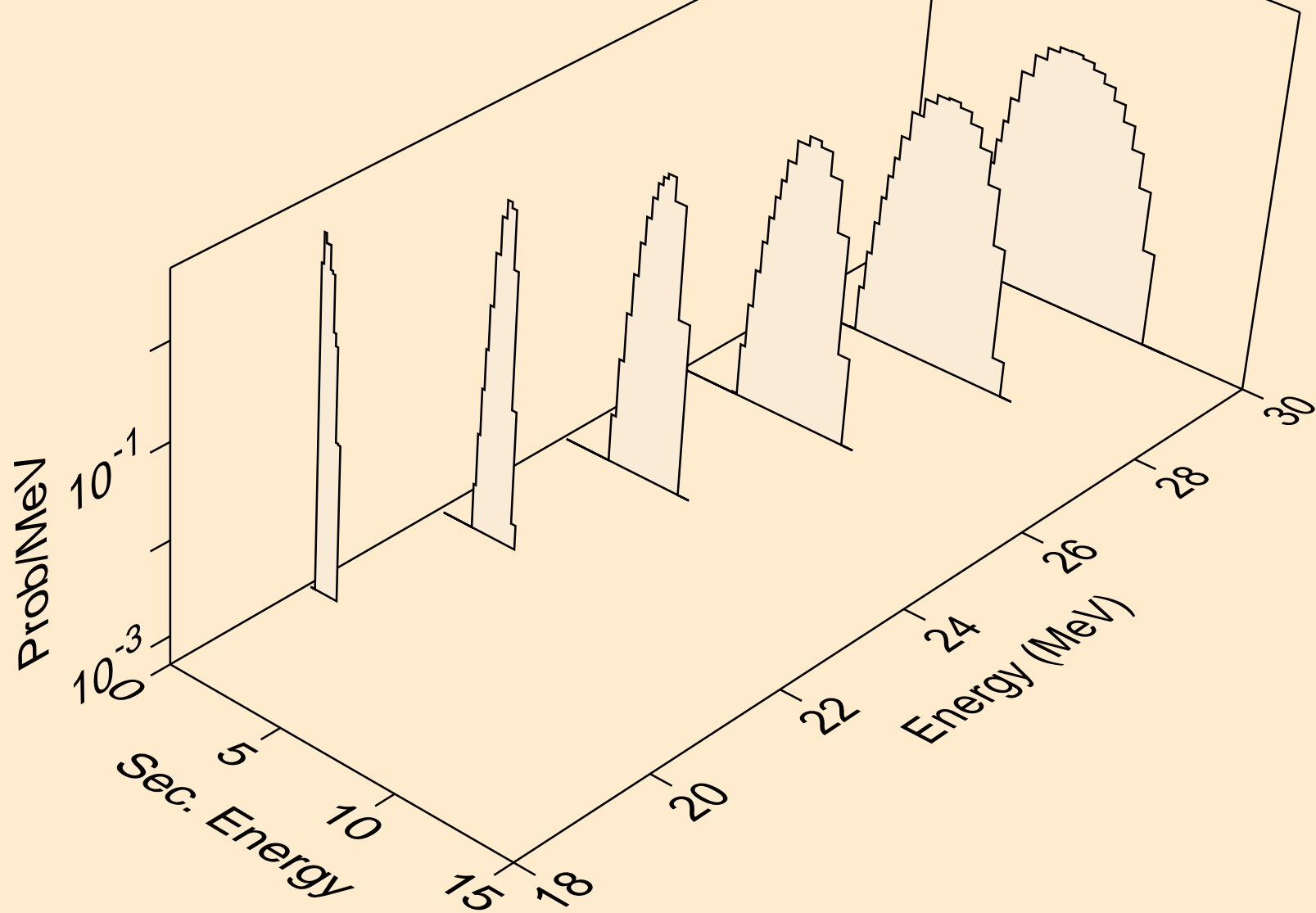
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



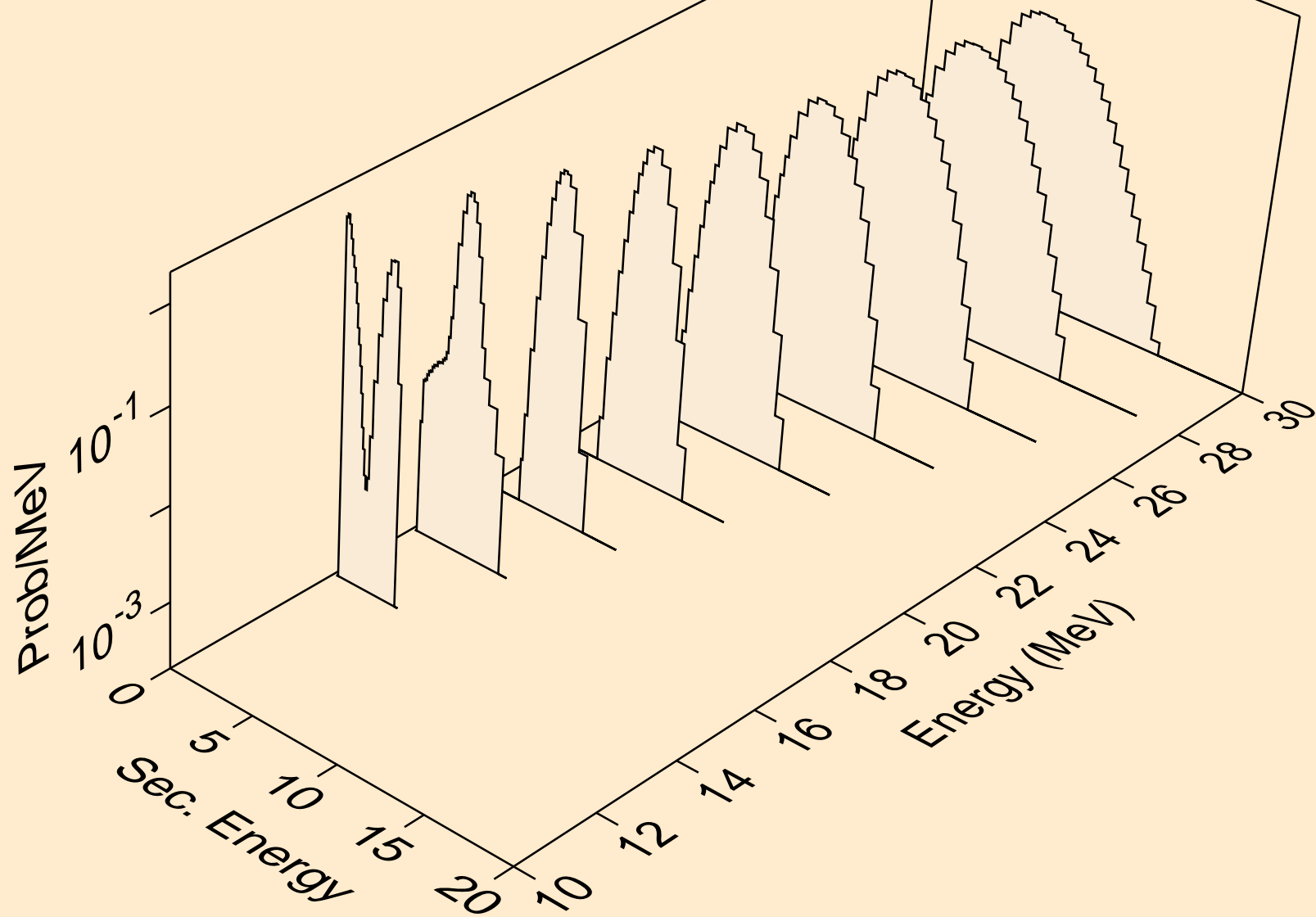
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



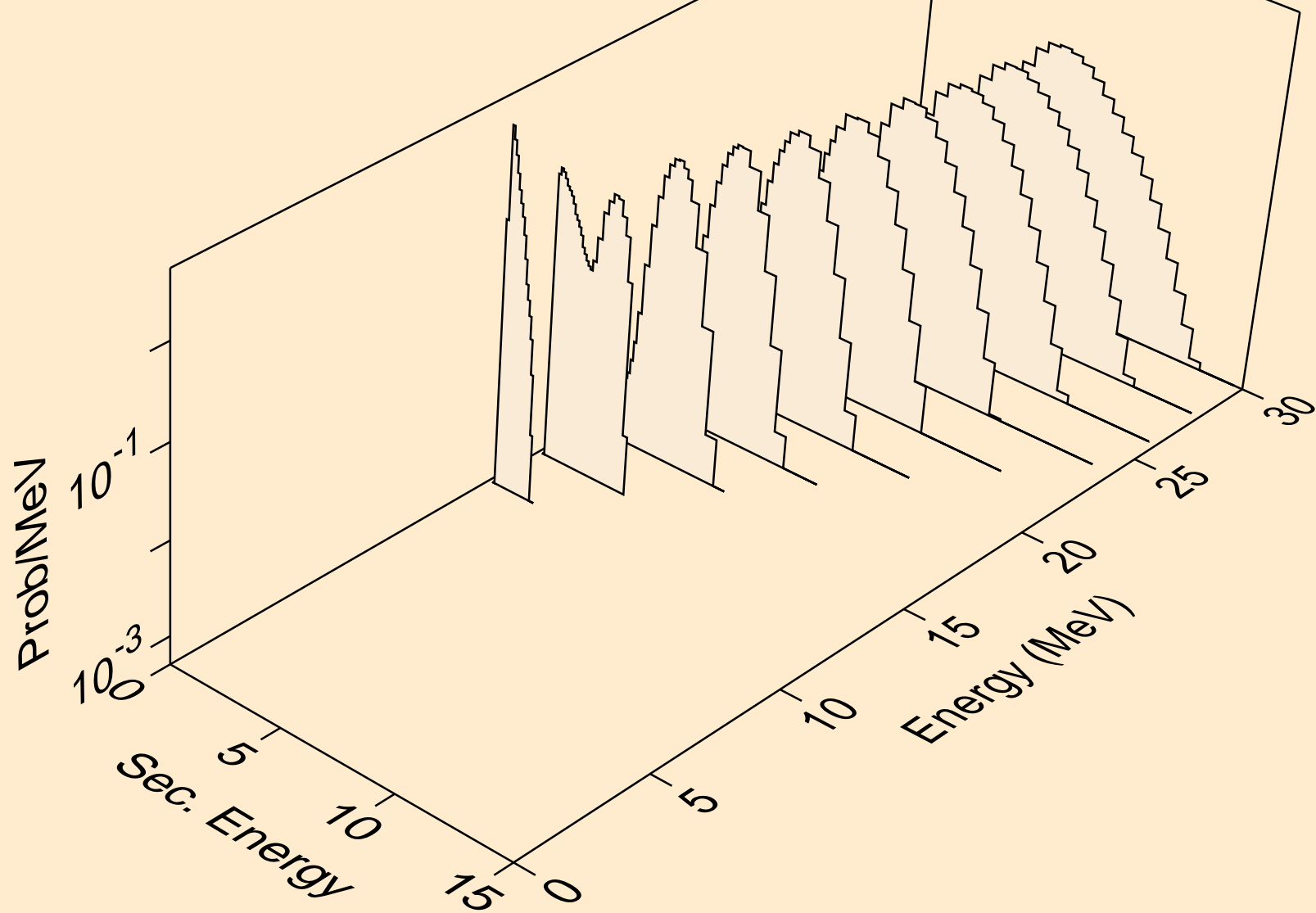
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



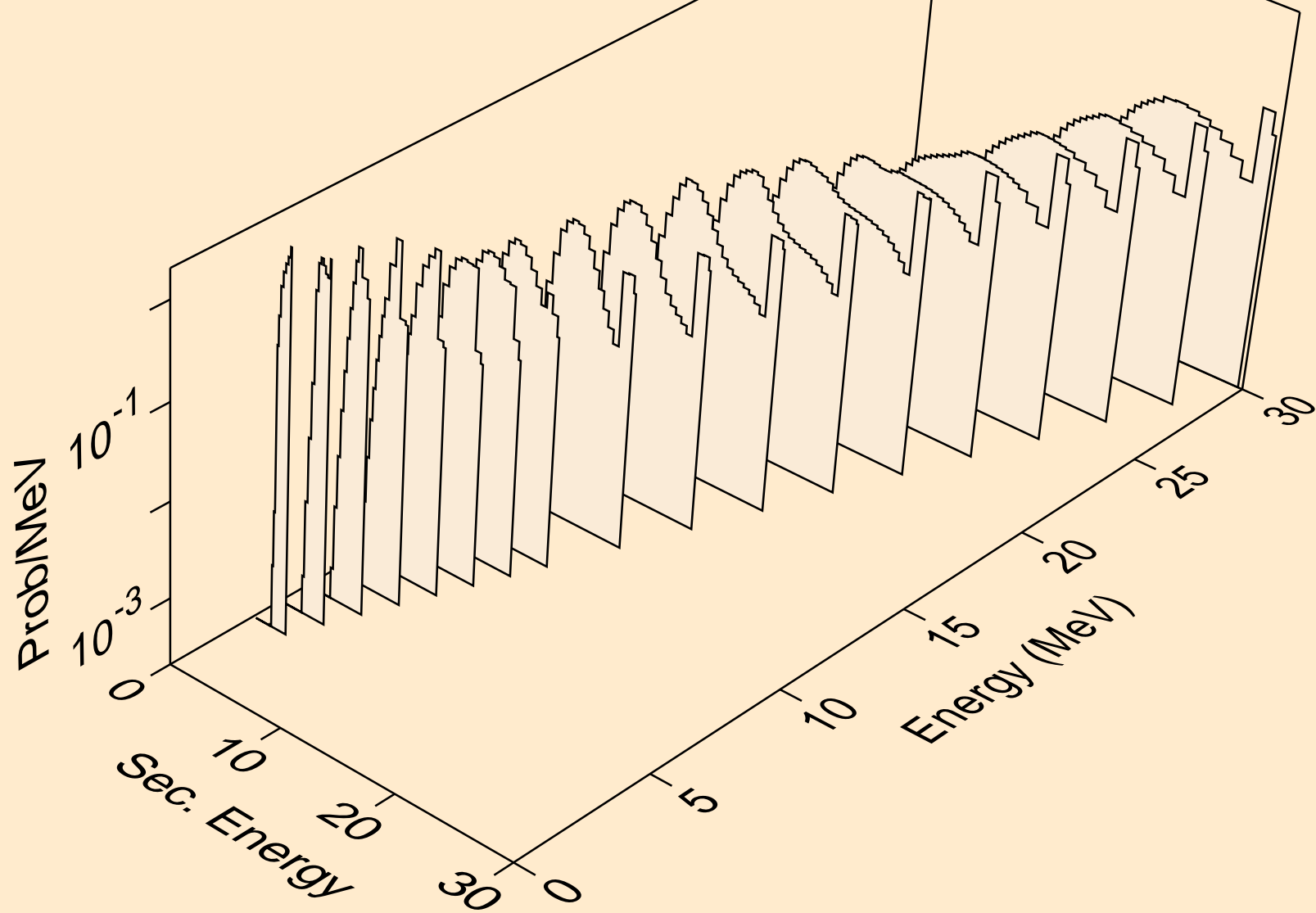
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Proton emission for (p,n2p)



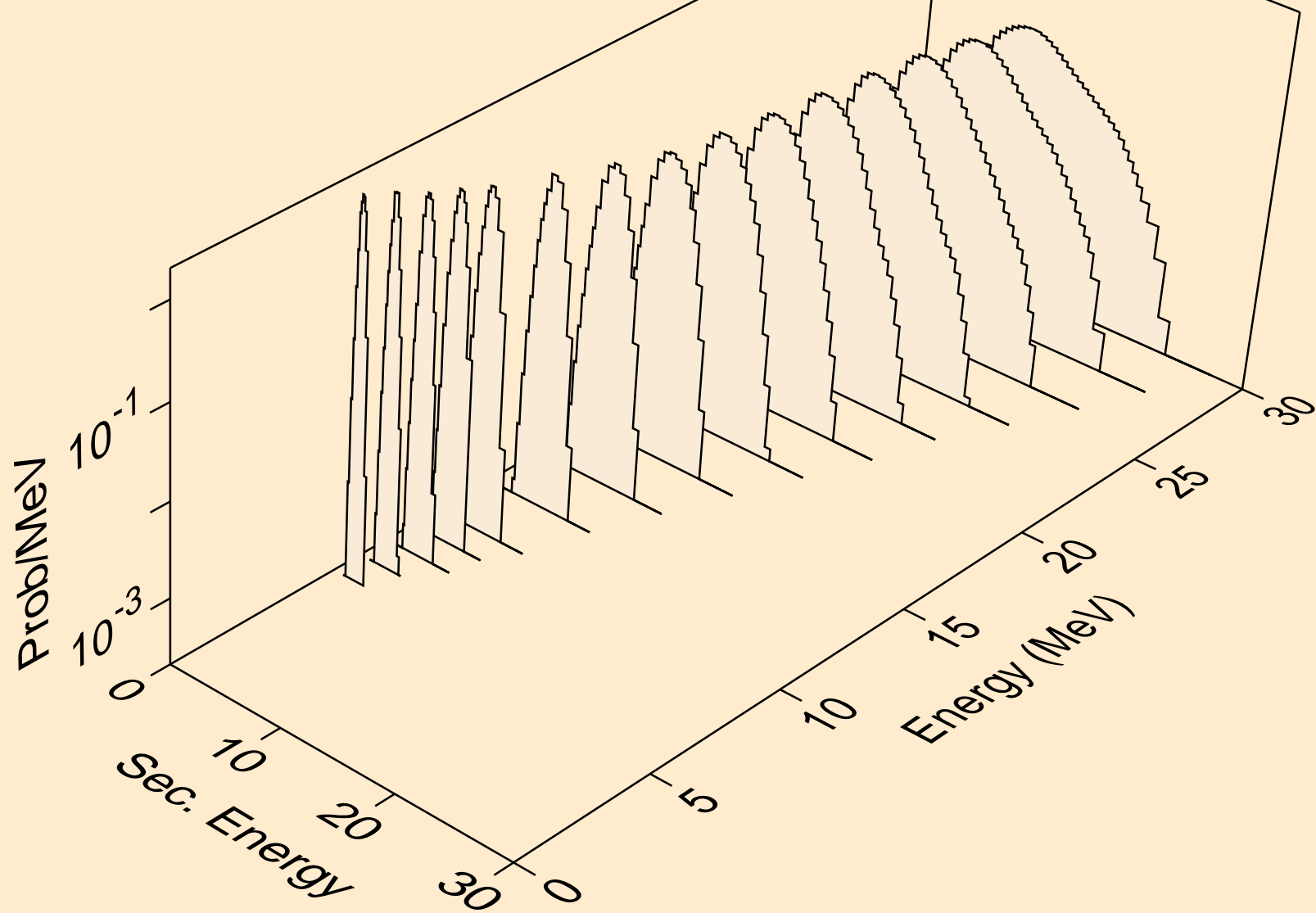
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,npa)



LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

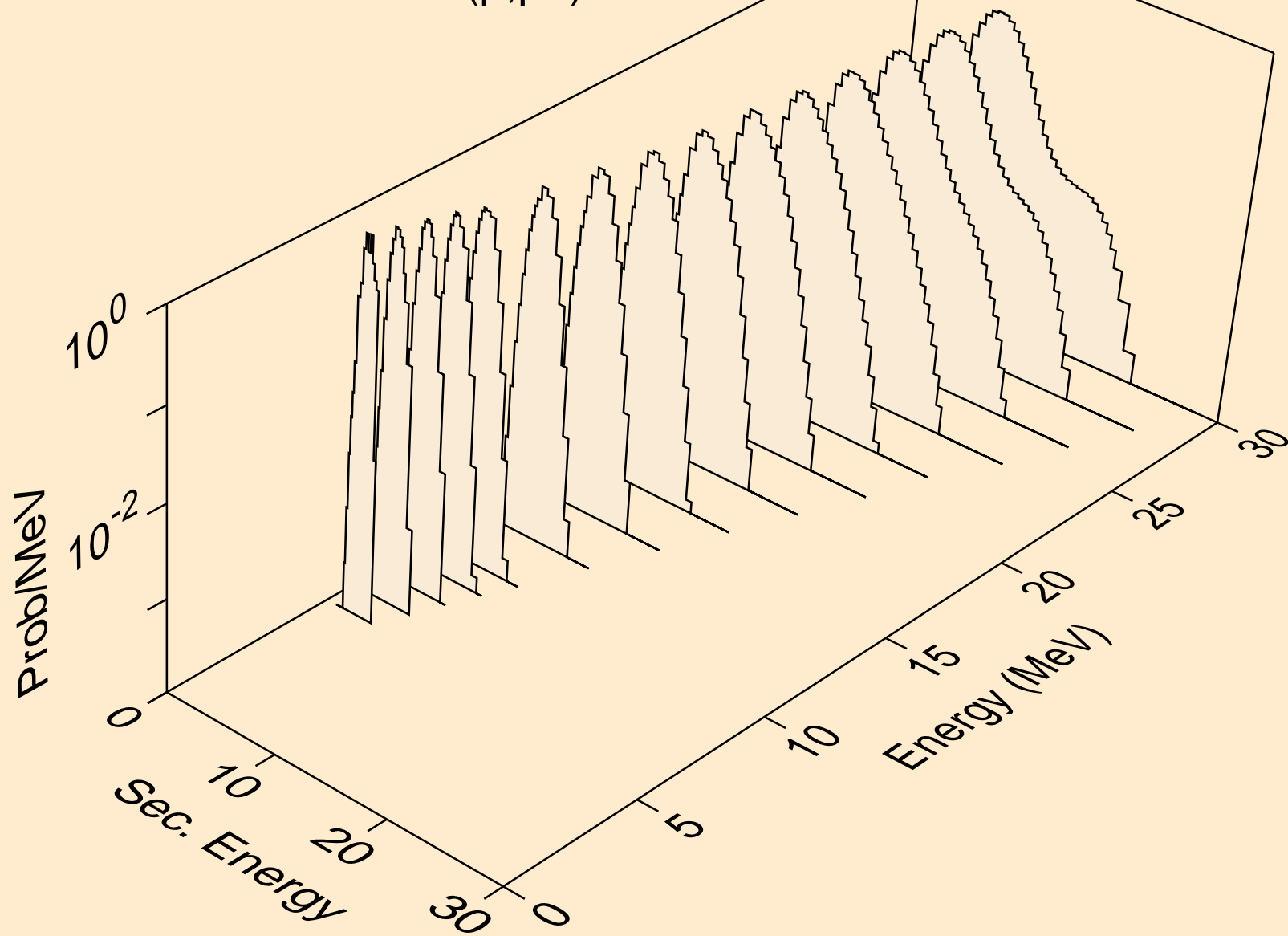


LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2p)

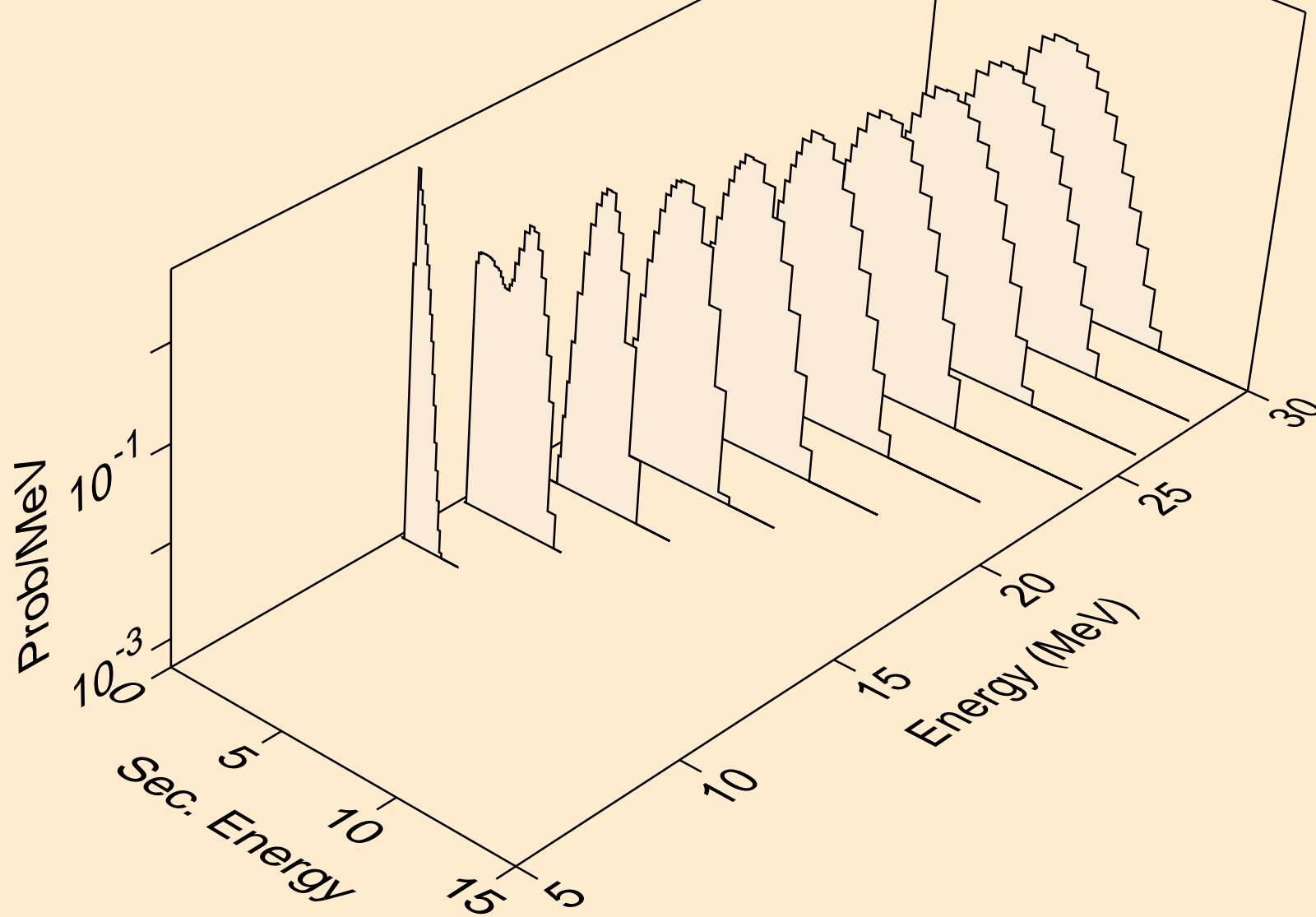




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Proton emission for (p,pa)

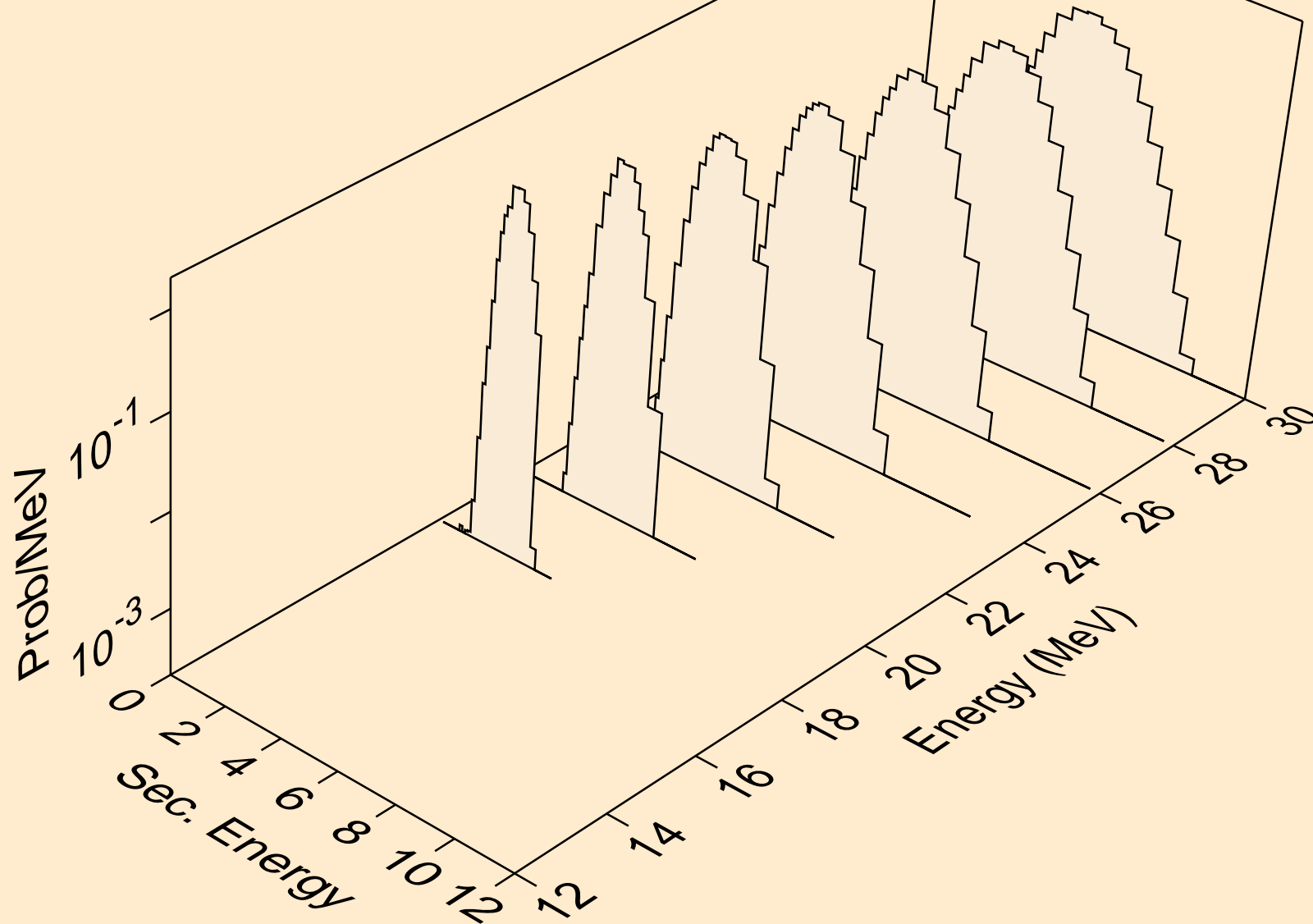


LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pd)

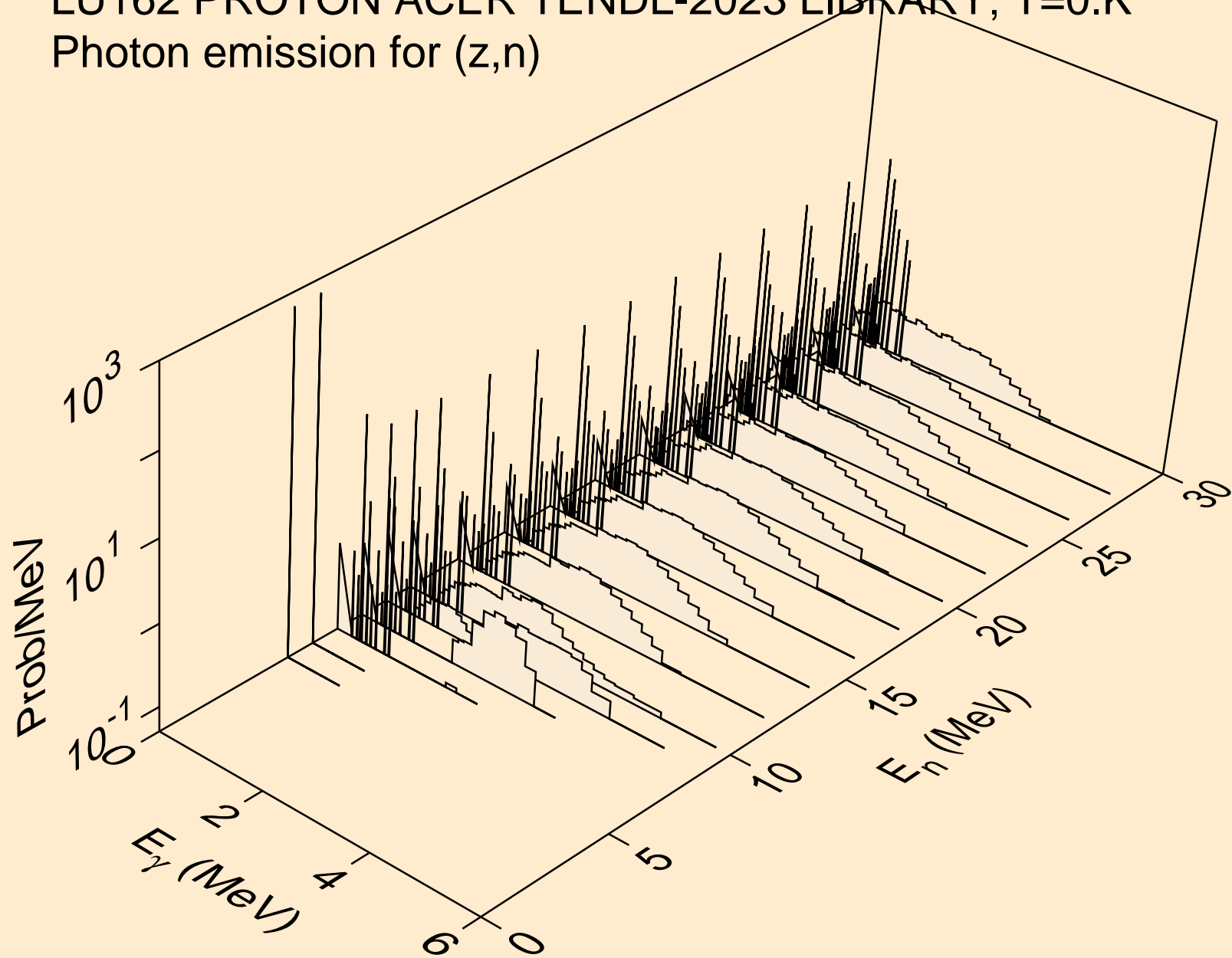


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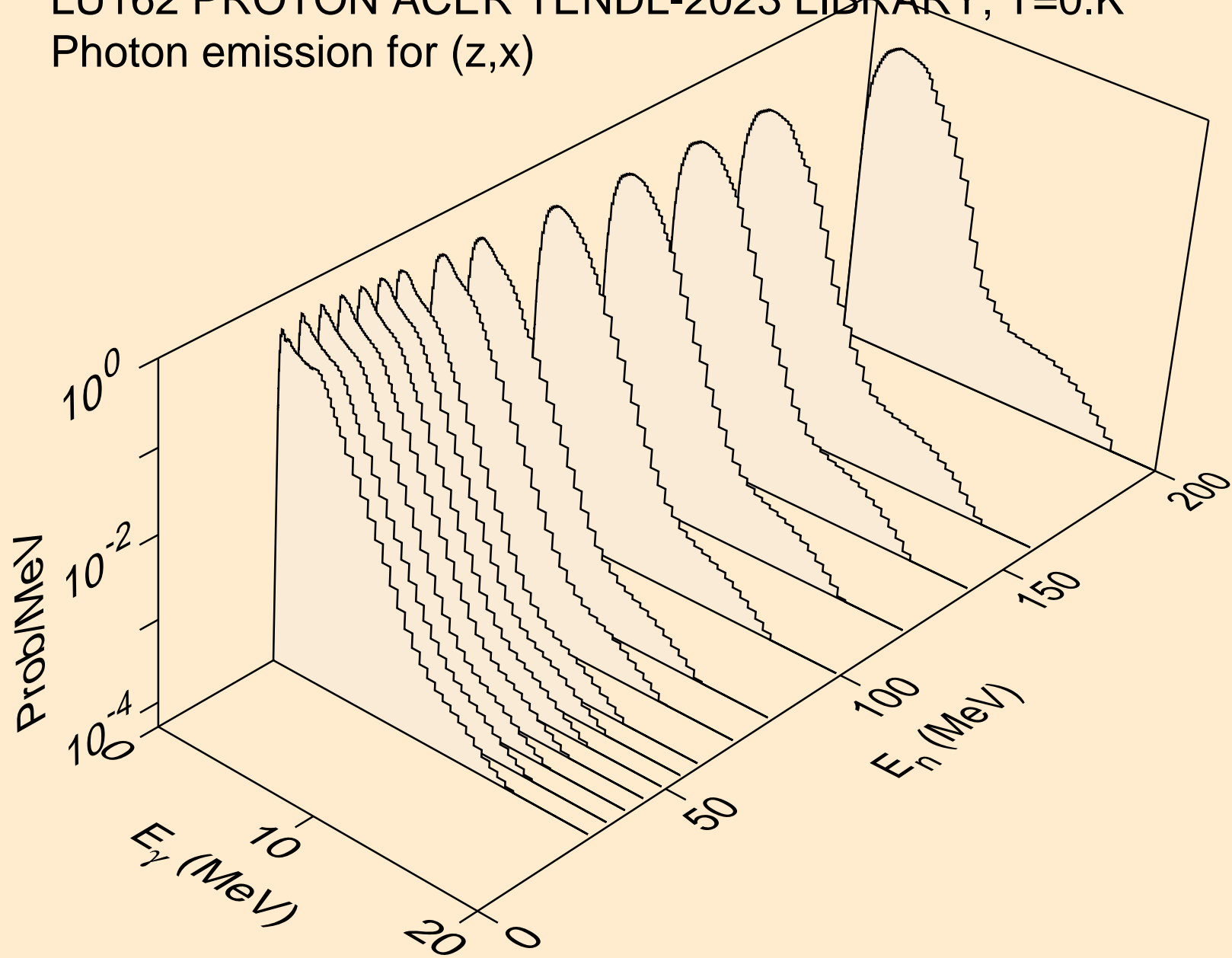
Proton emission for (p,pt)



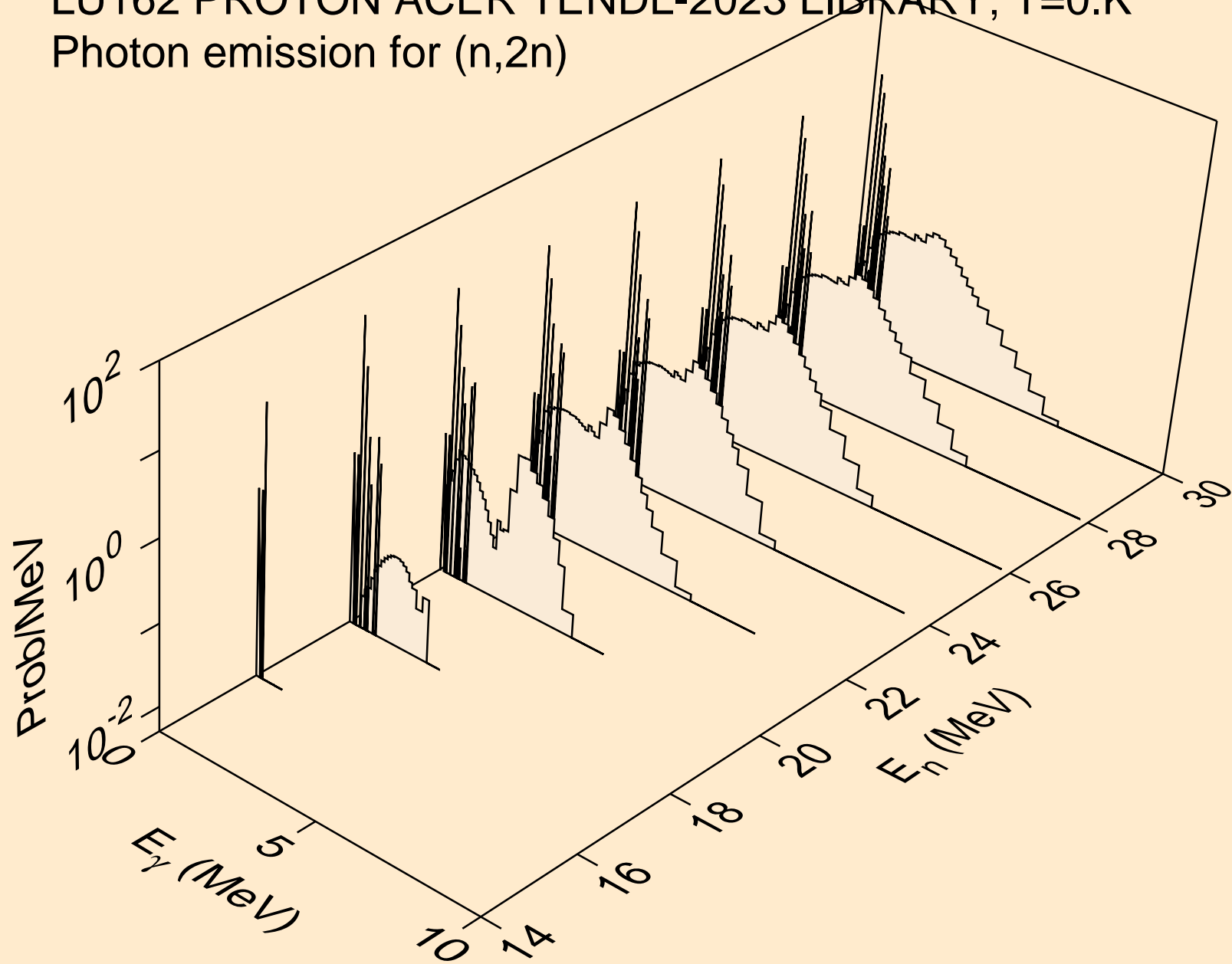
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



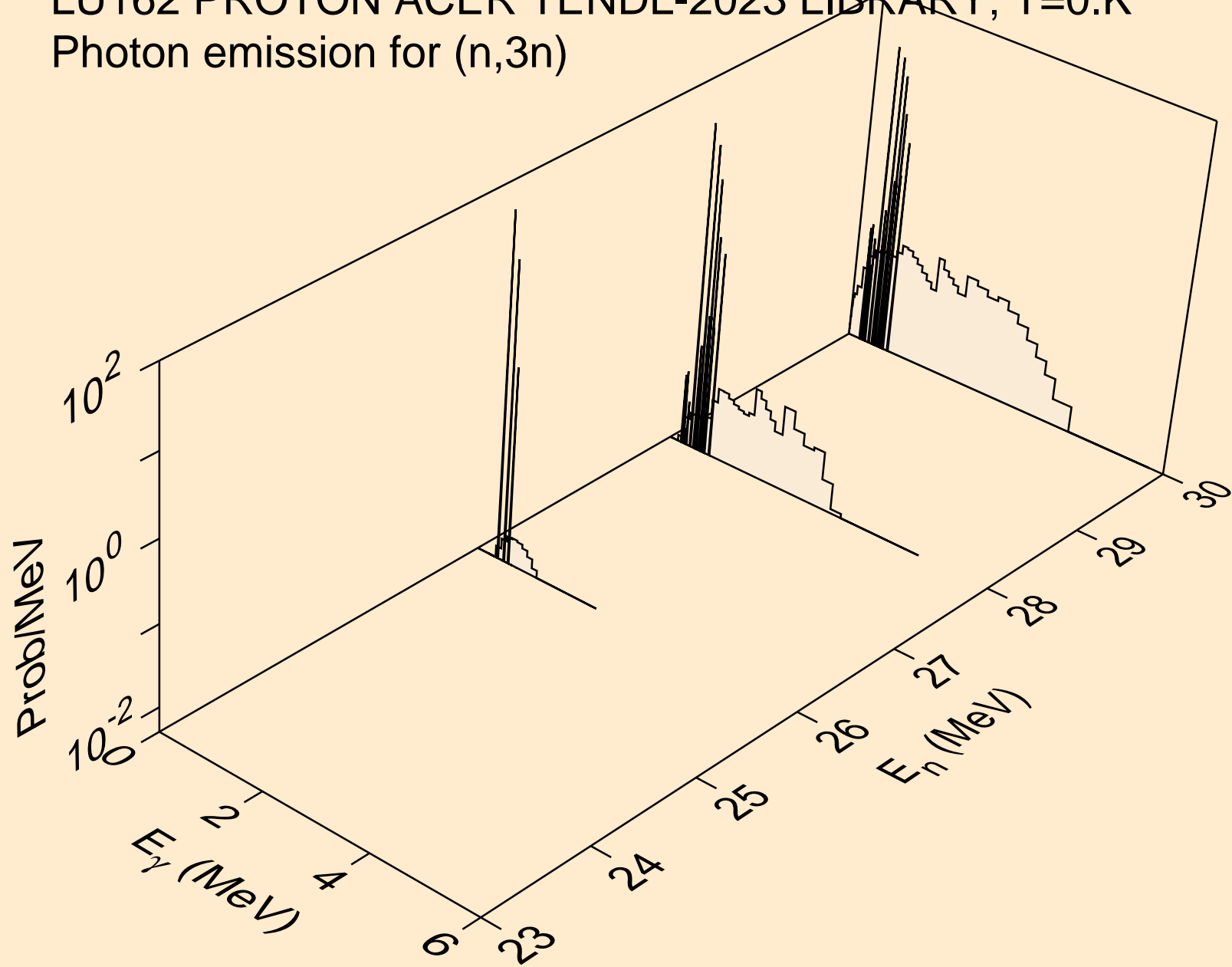
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Photon emission for (z,x)



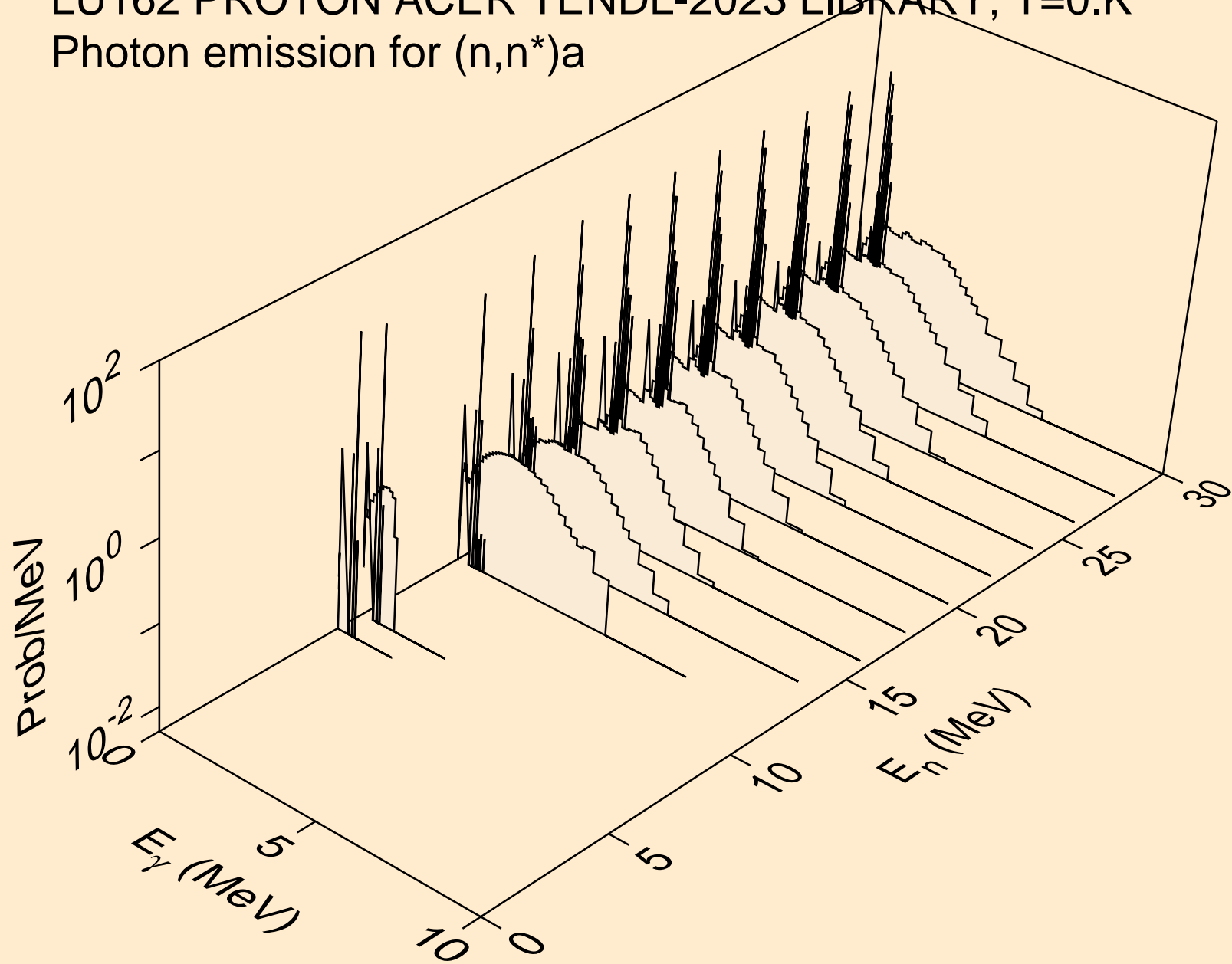
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)

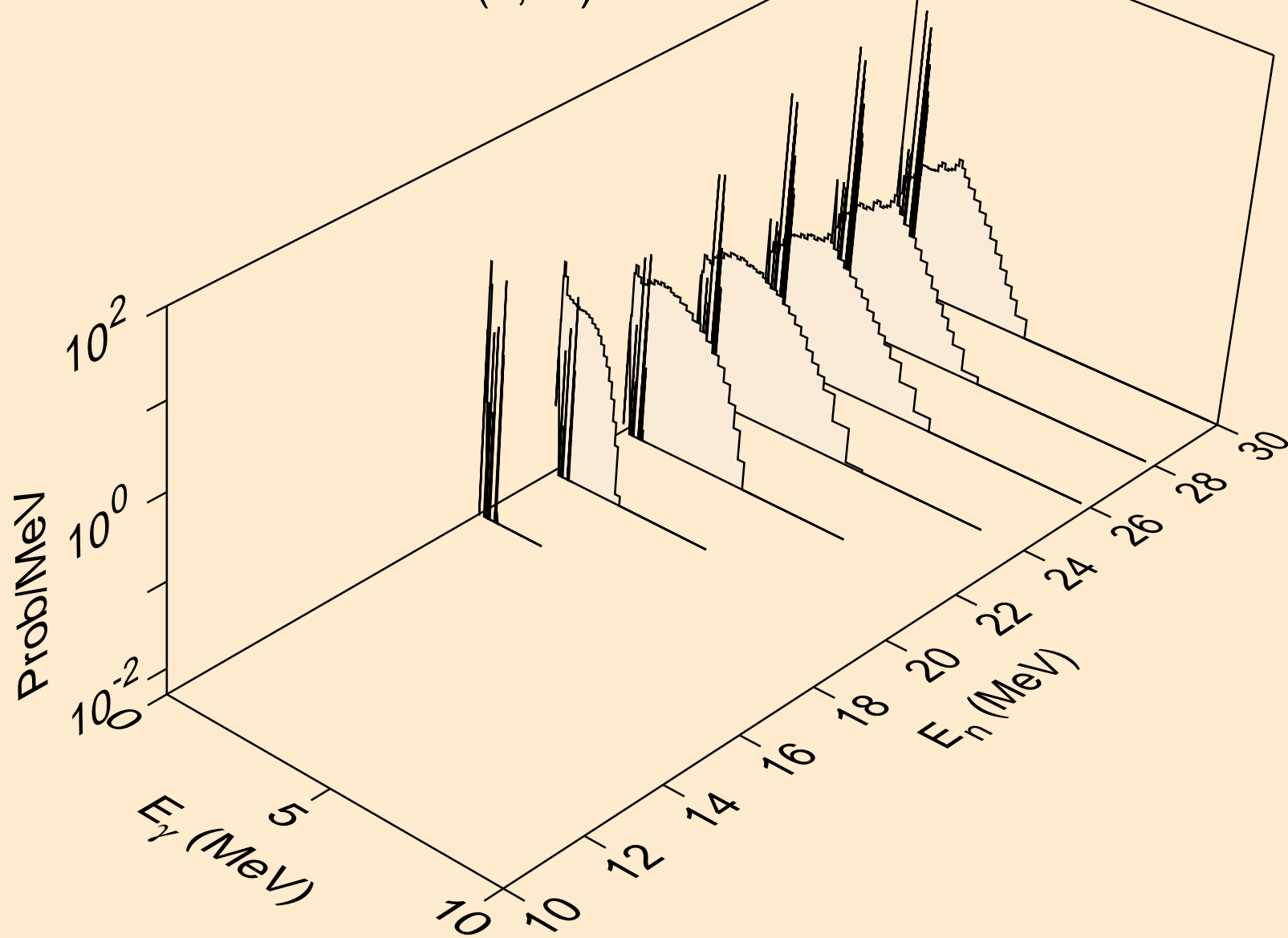


LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

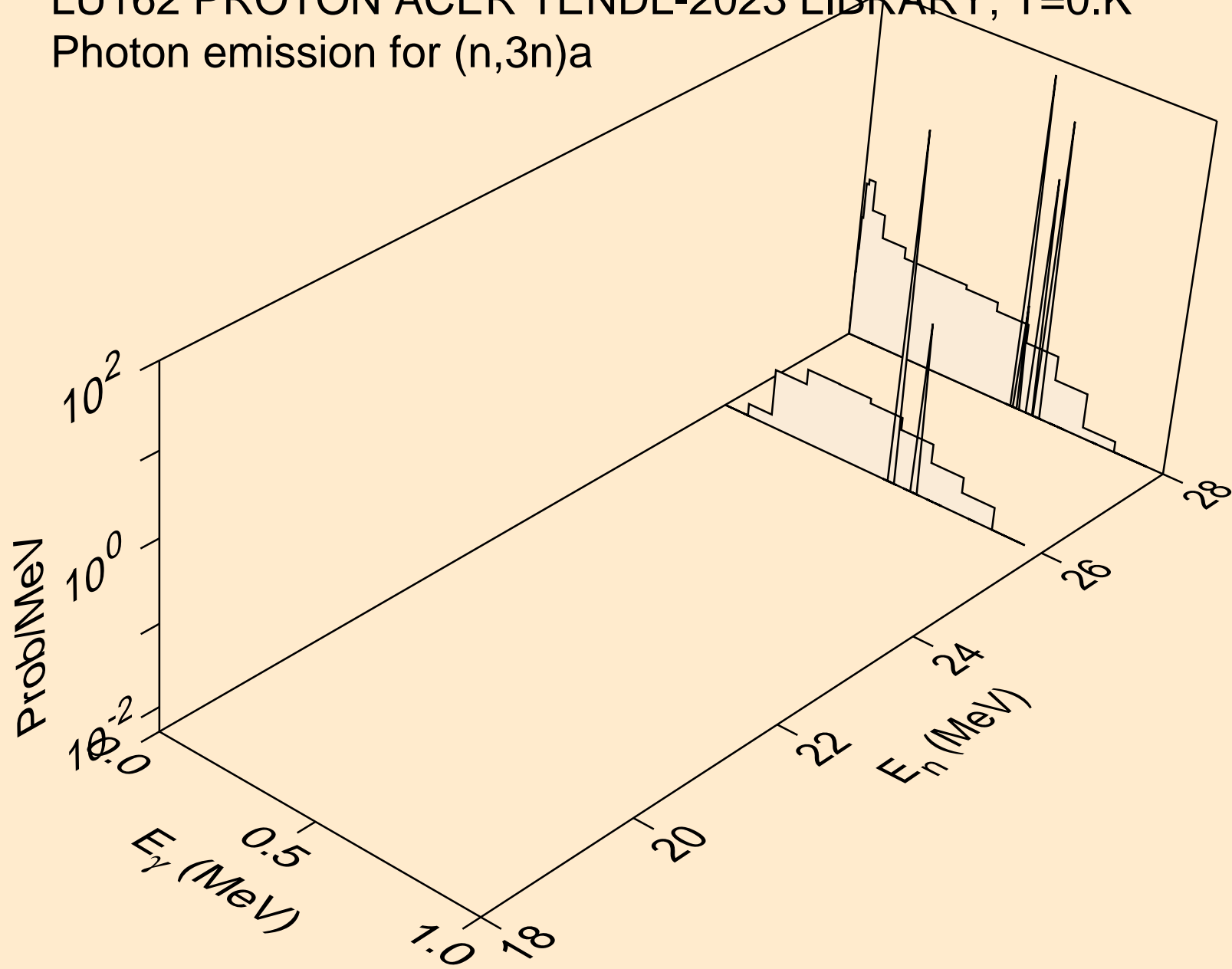




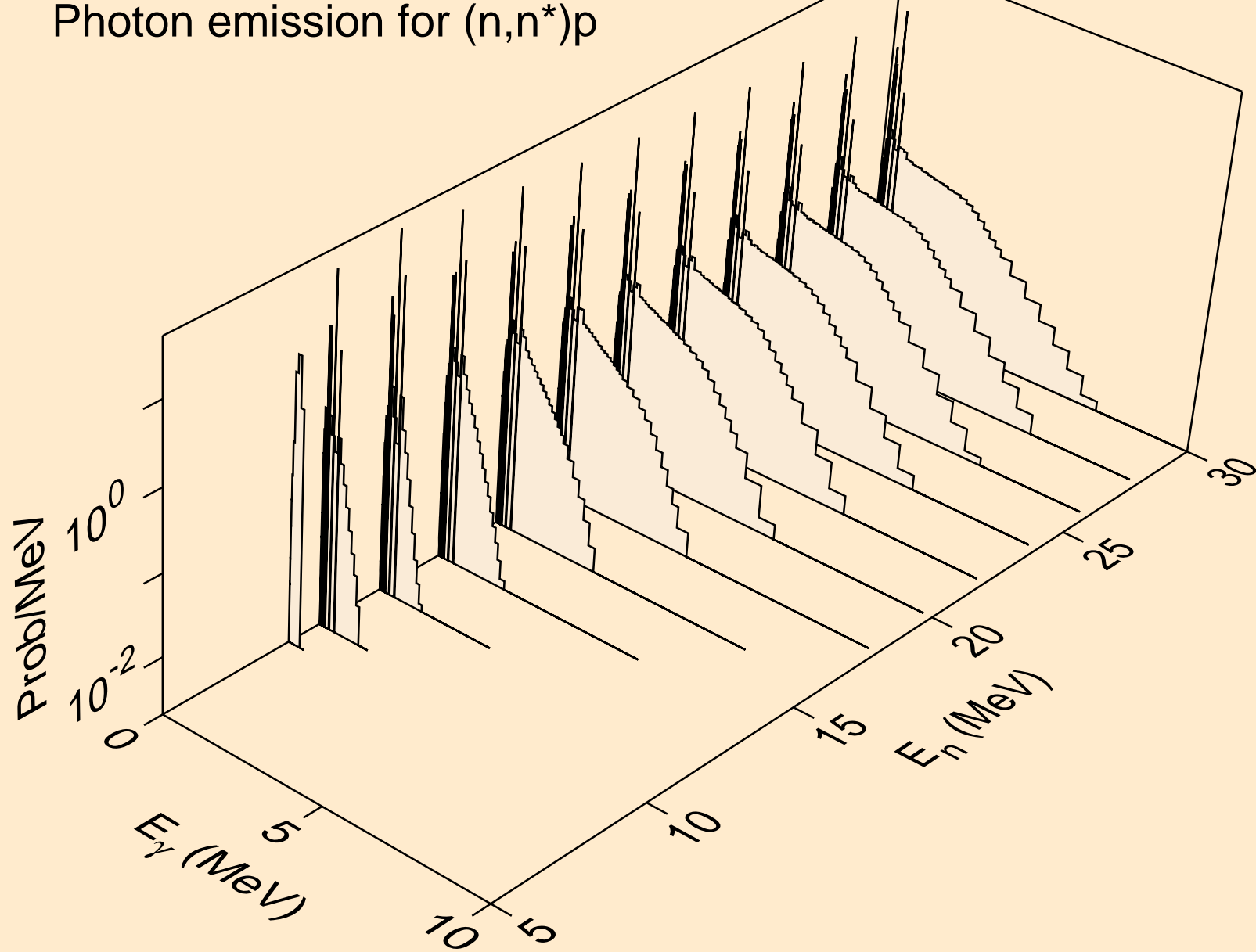
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Photon emission for (n,2n)a



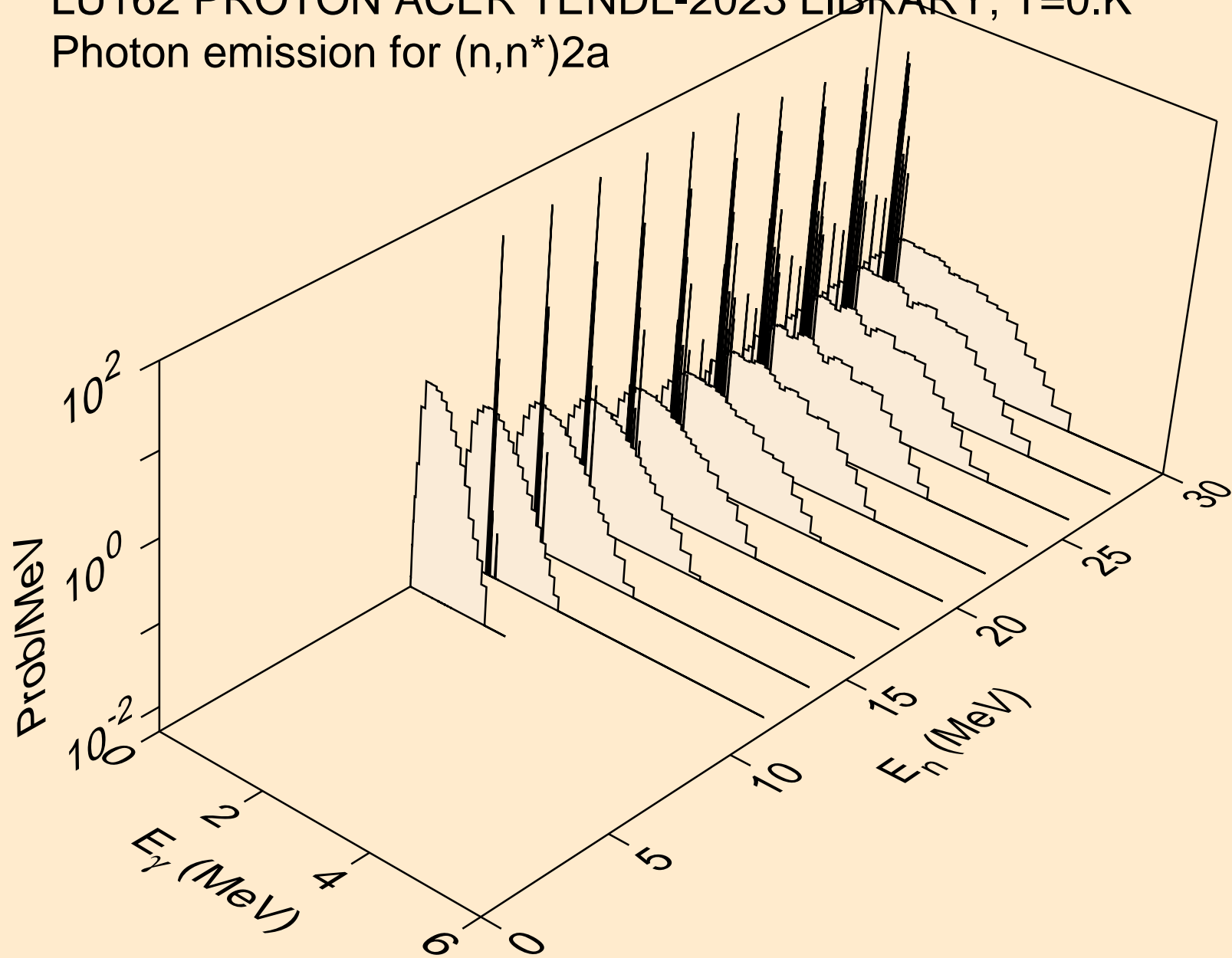
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Photon emission for (n,3n)a



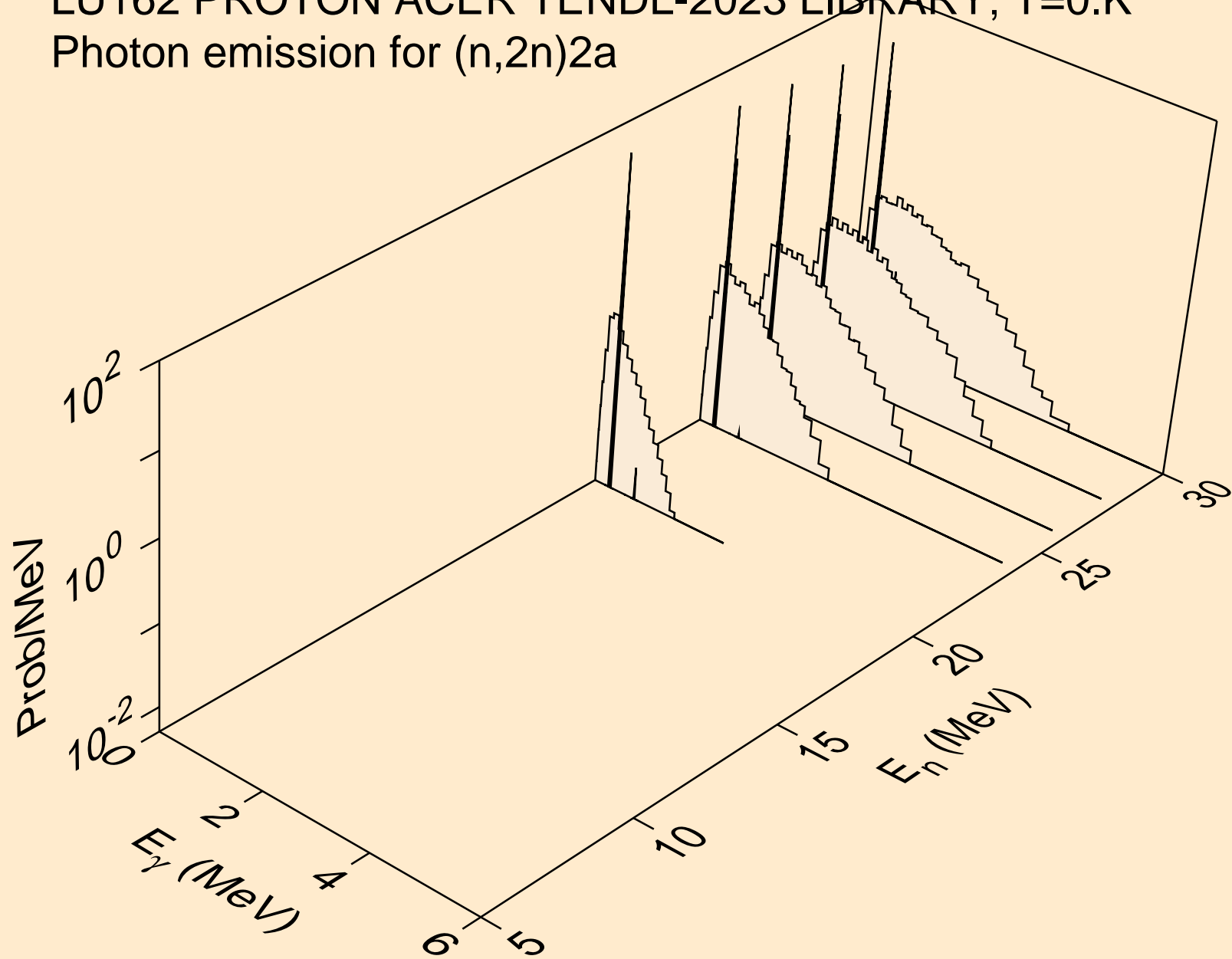
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Photon emission for (n,n\*)p



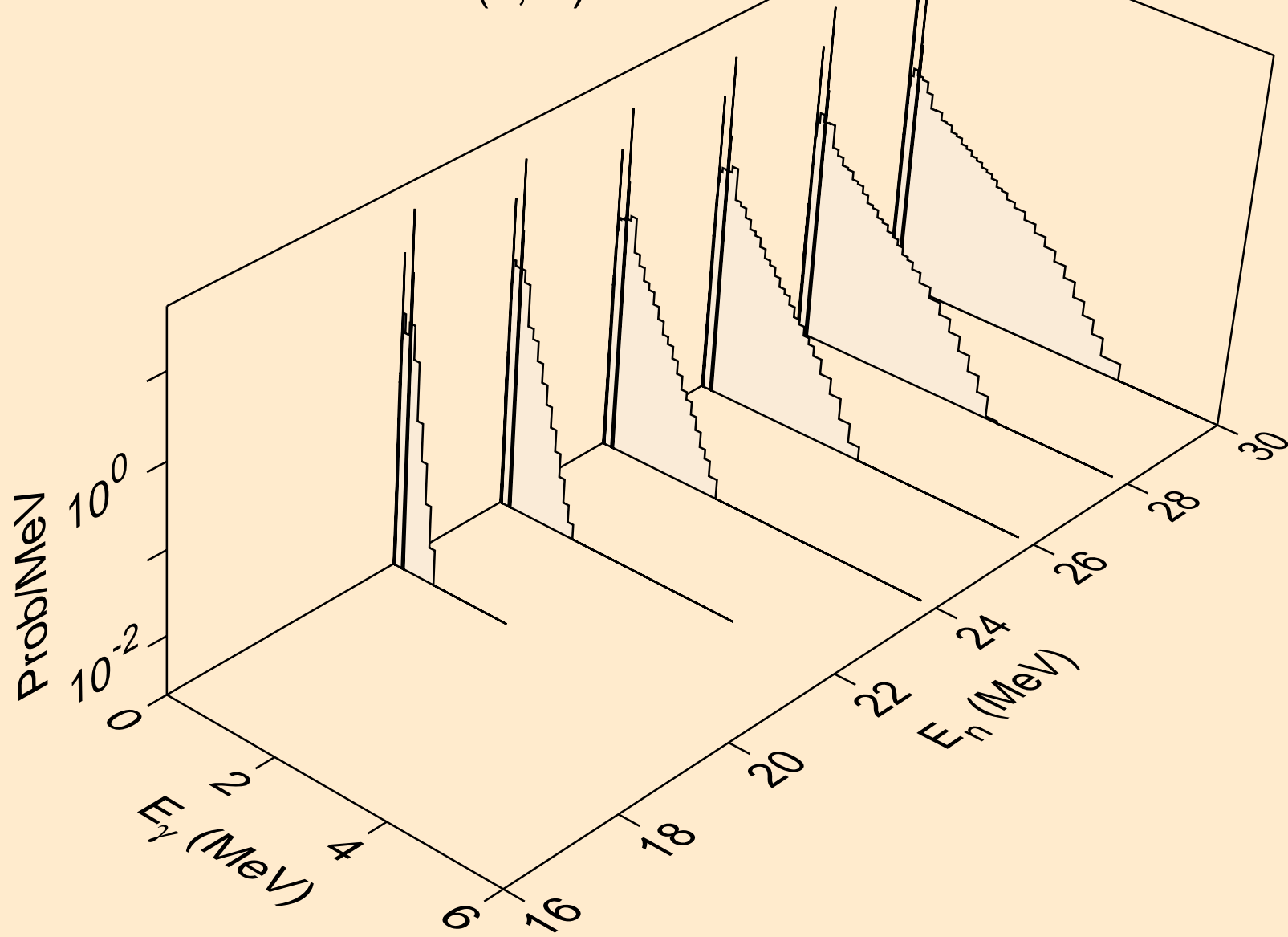
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Photon emission for (n,n\*)2a



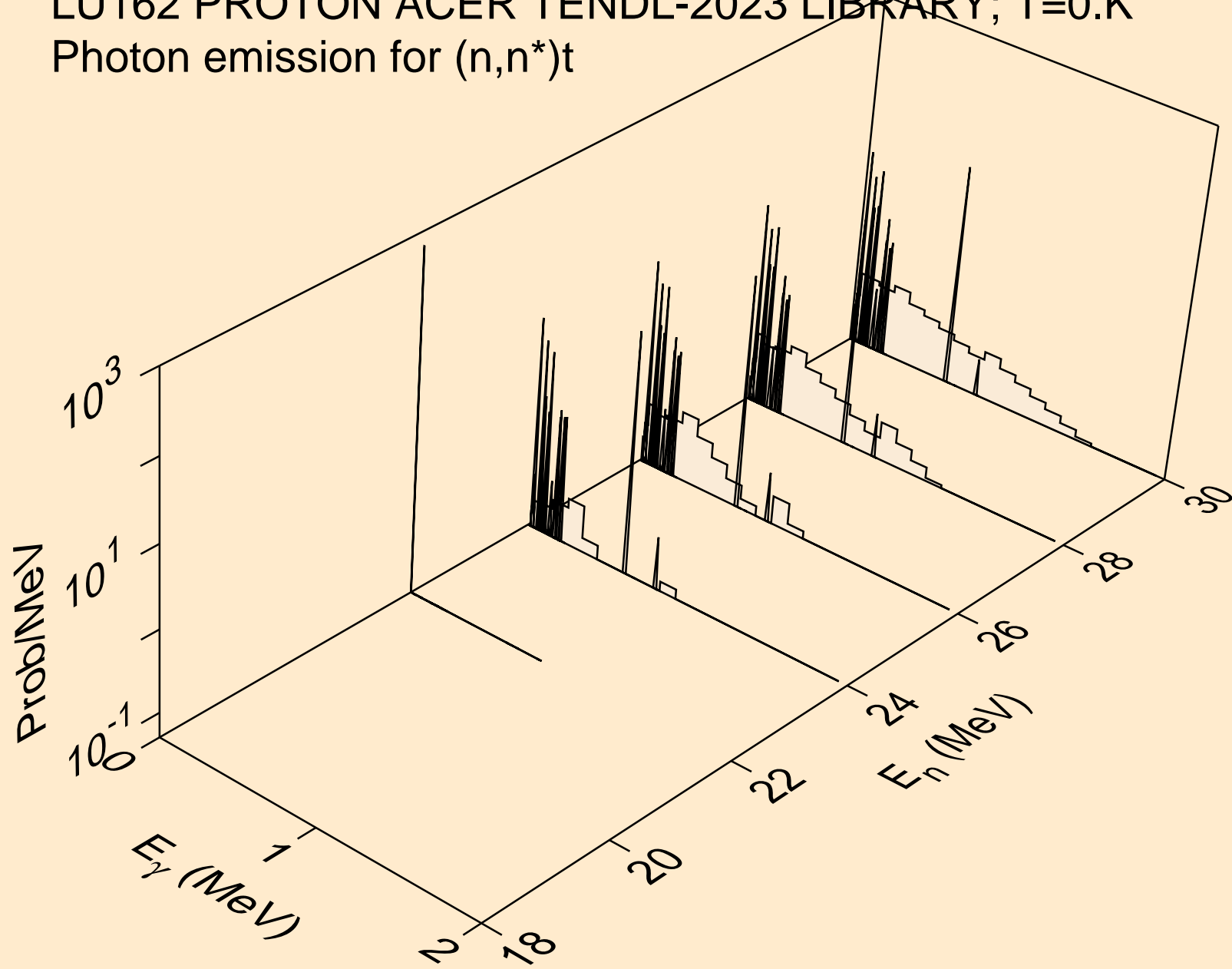
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Photon emission for (n,2n)2a



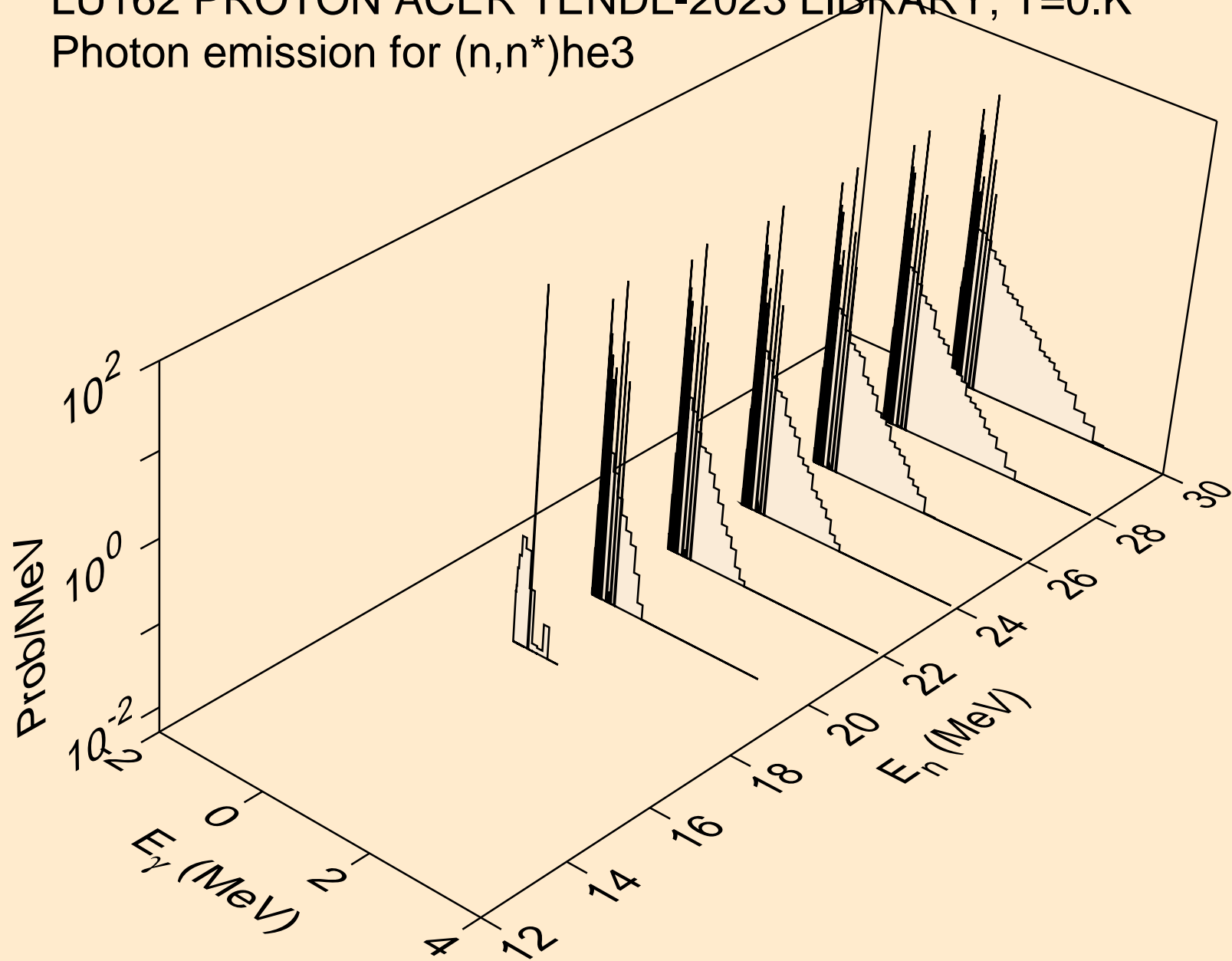
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

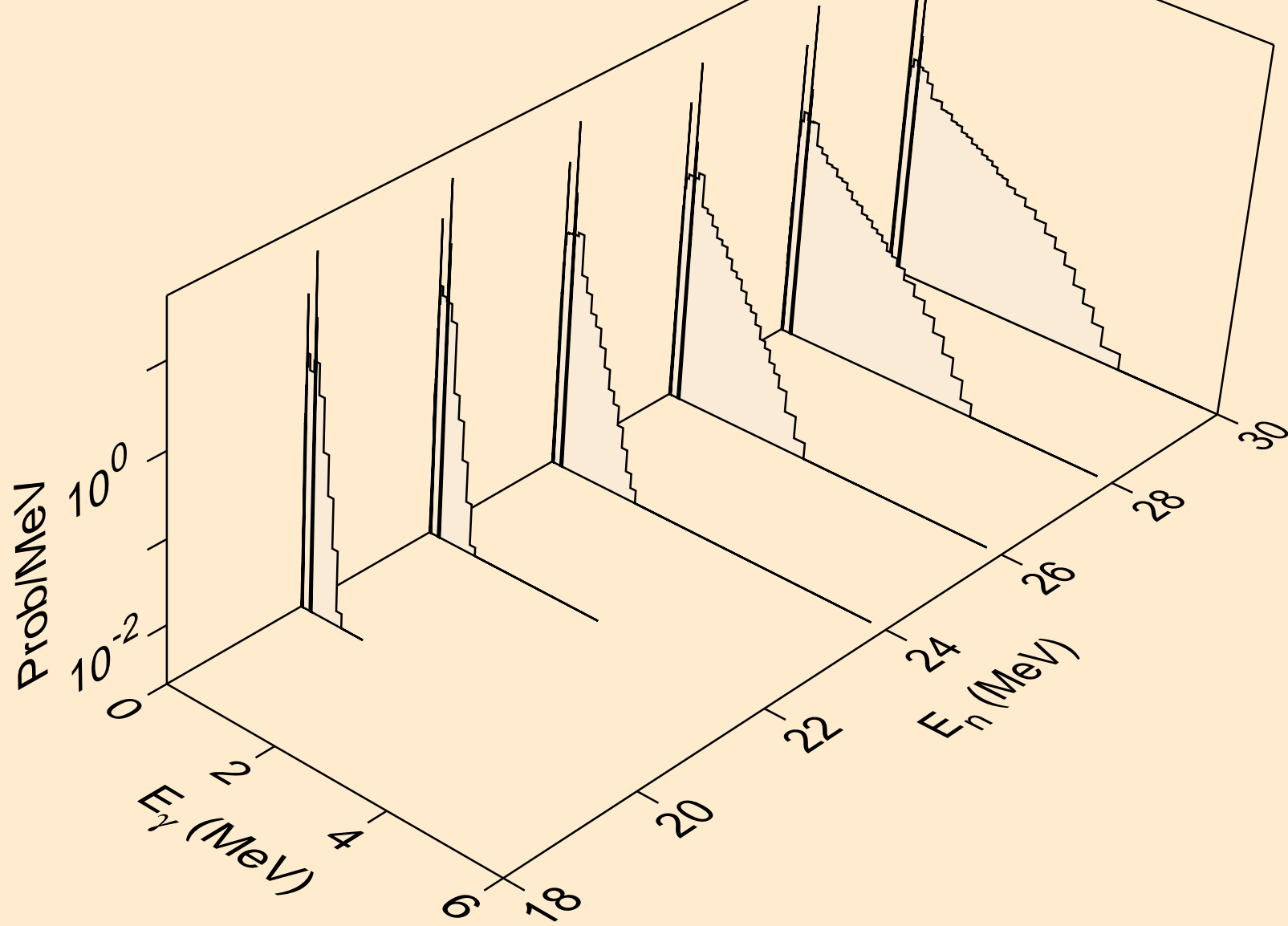


LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

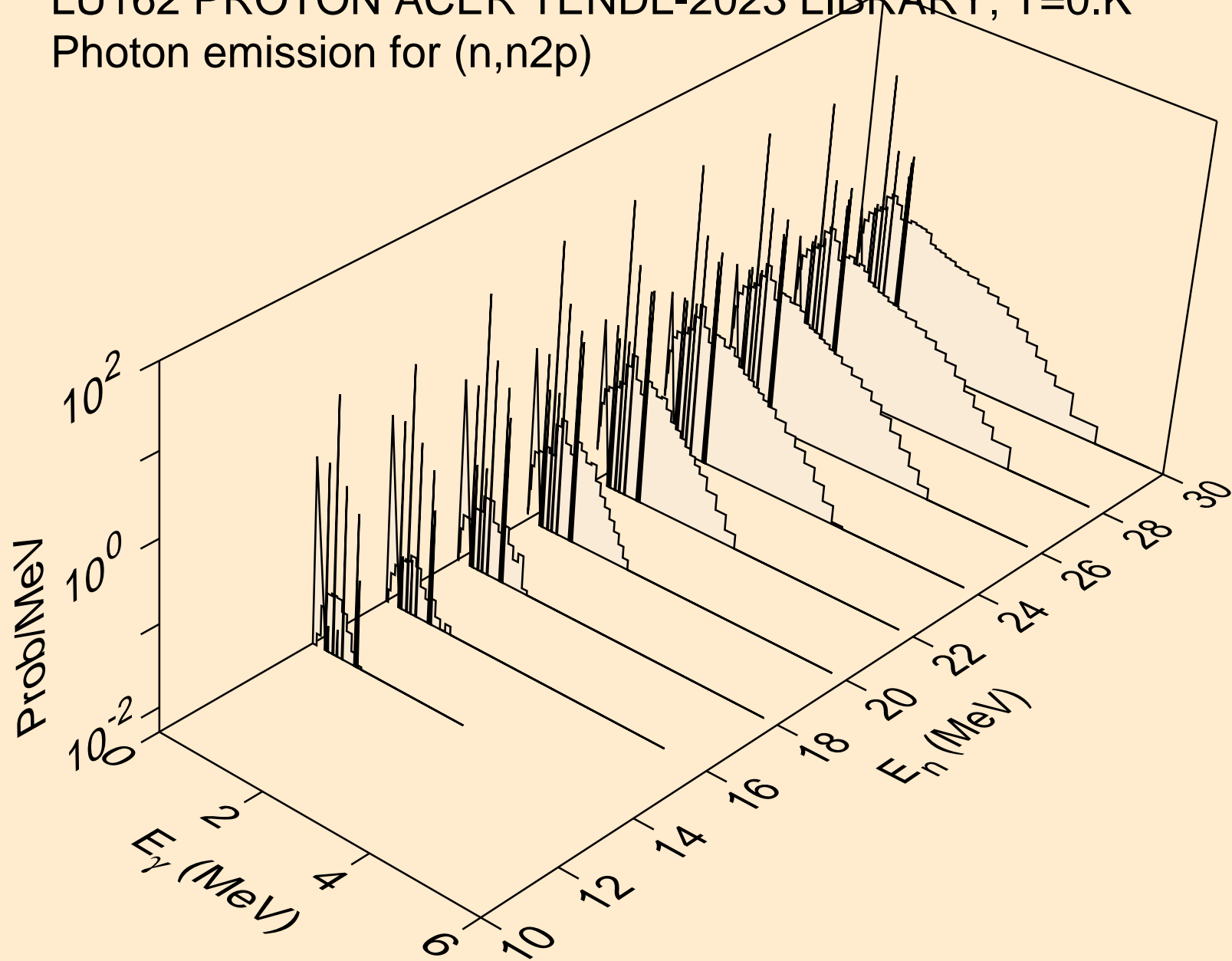




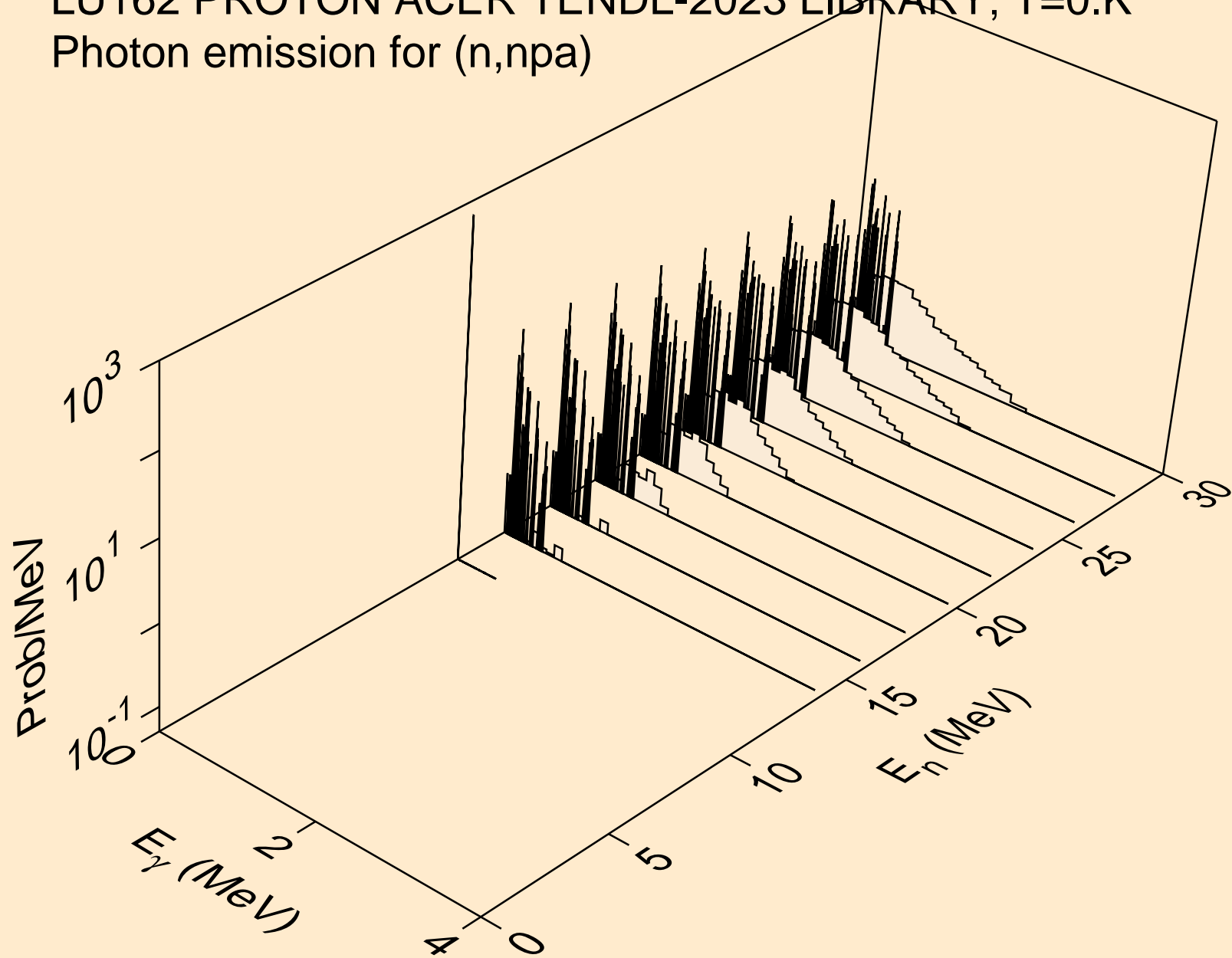
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Photon emission for (n,2np)



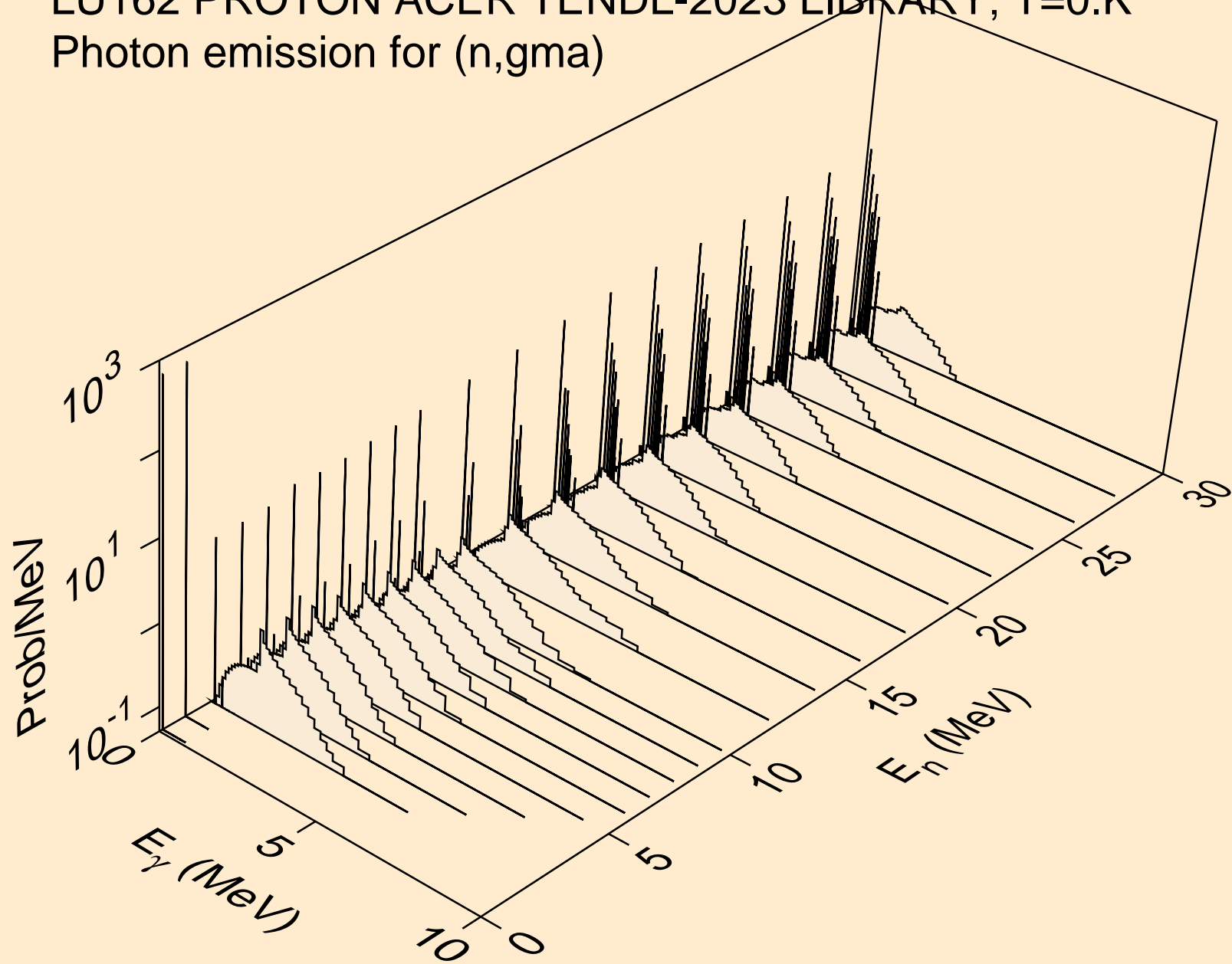
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Photon emission for (n,n2p)



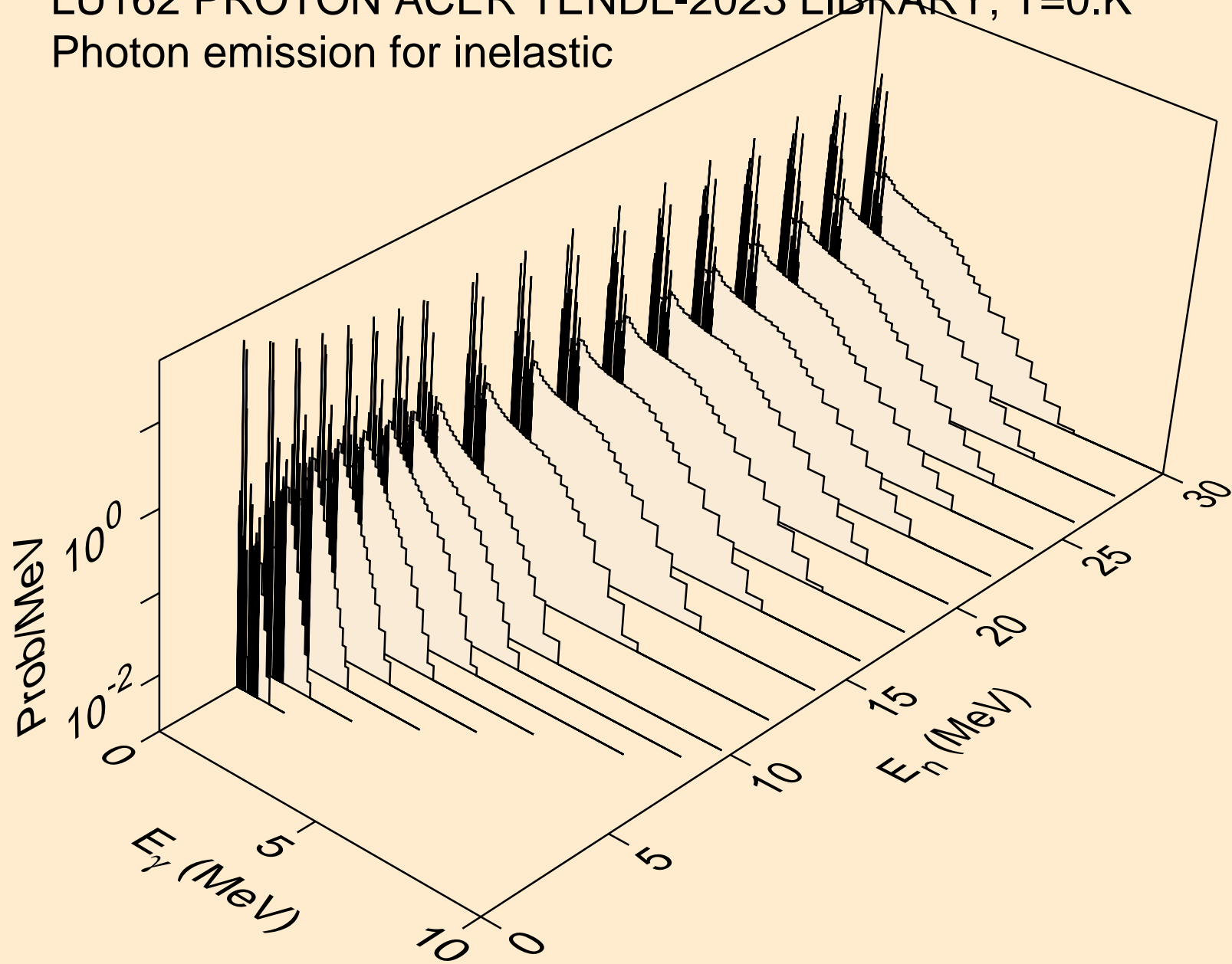
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Photon emission for (n,npa)



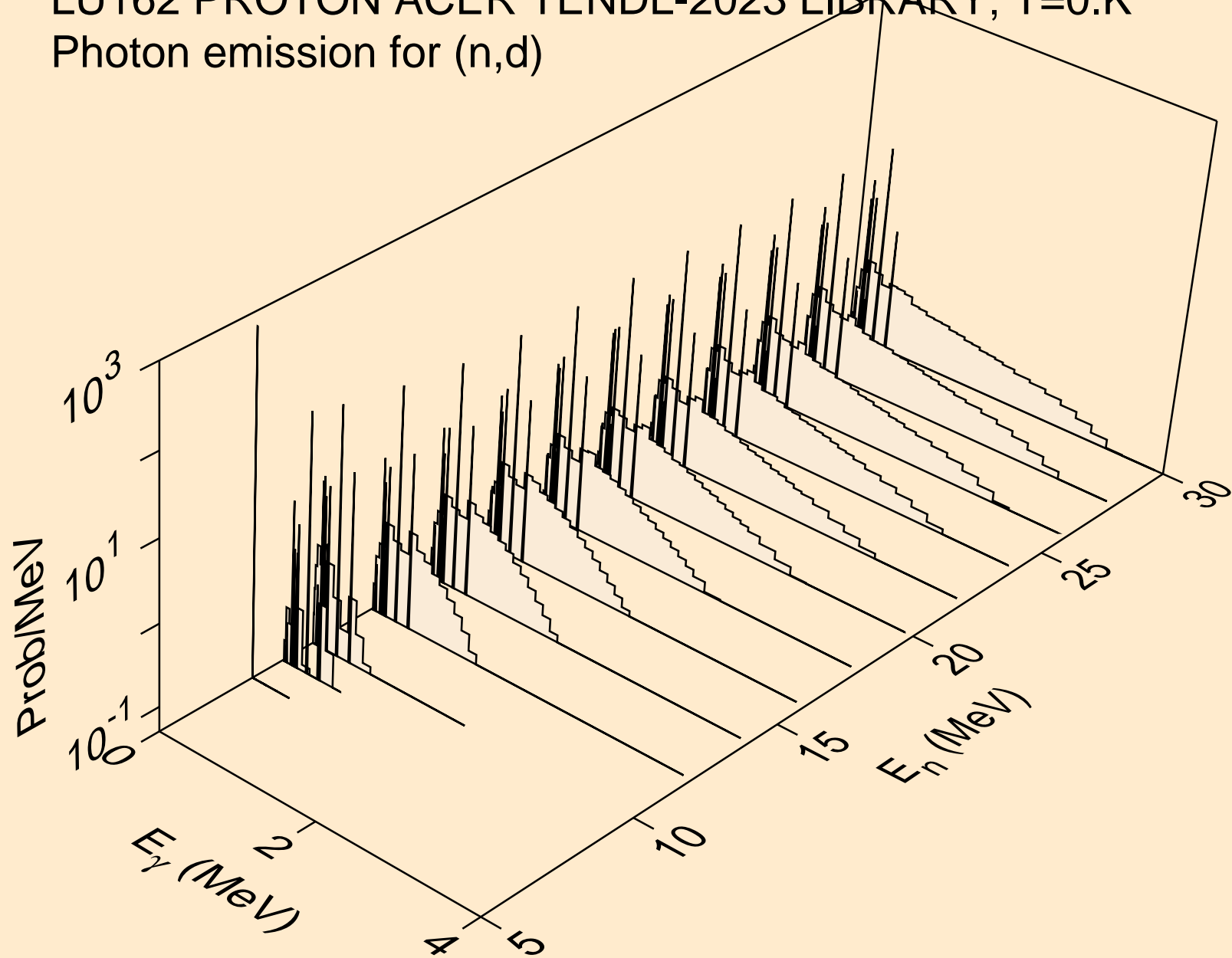
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Photon emission for (n,gma)



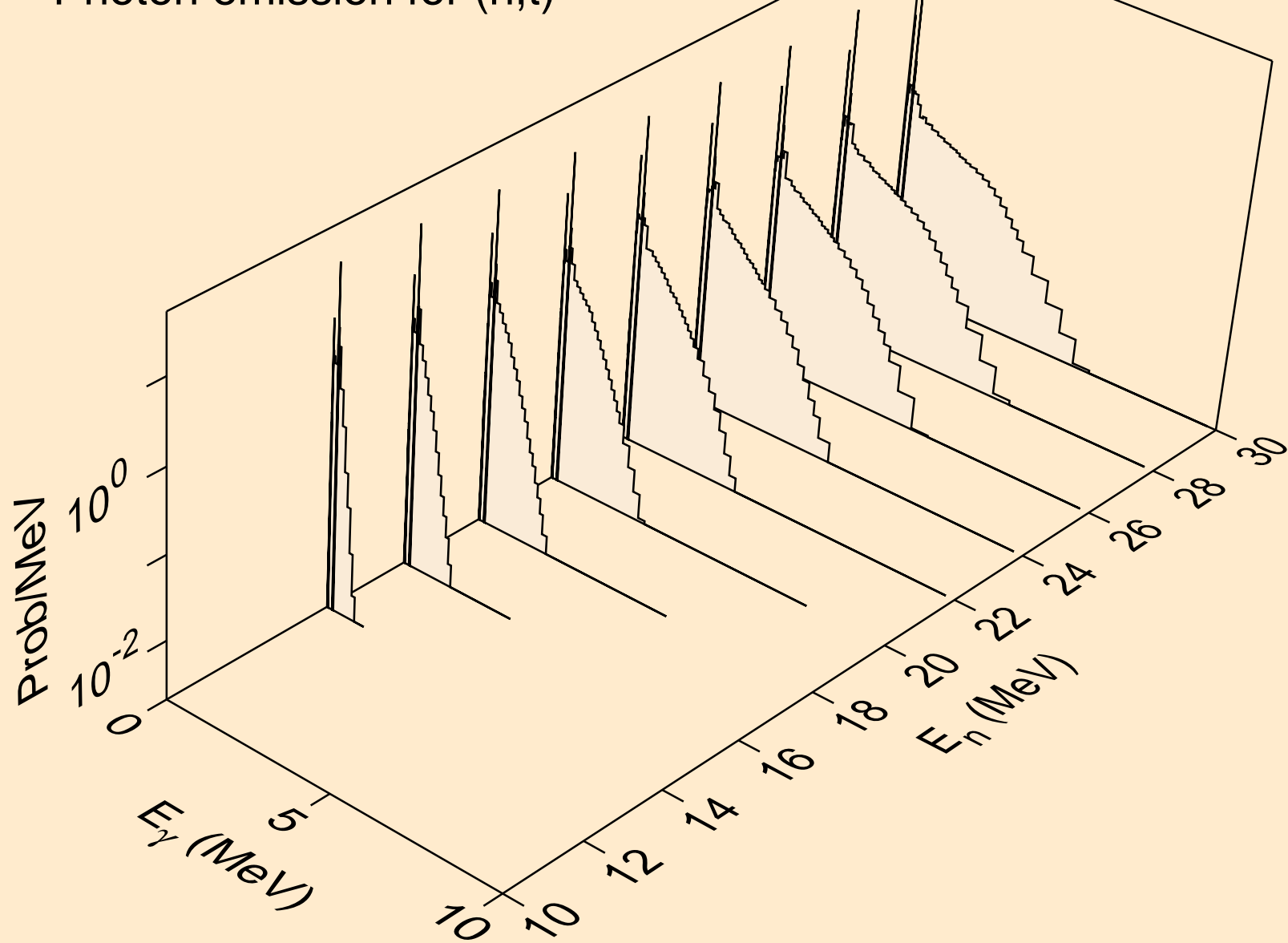
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



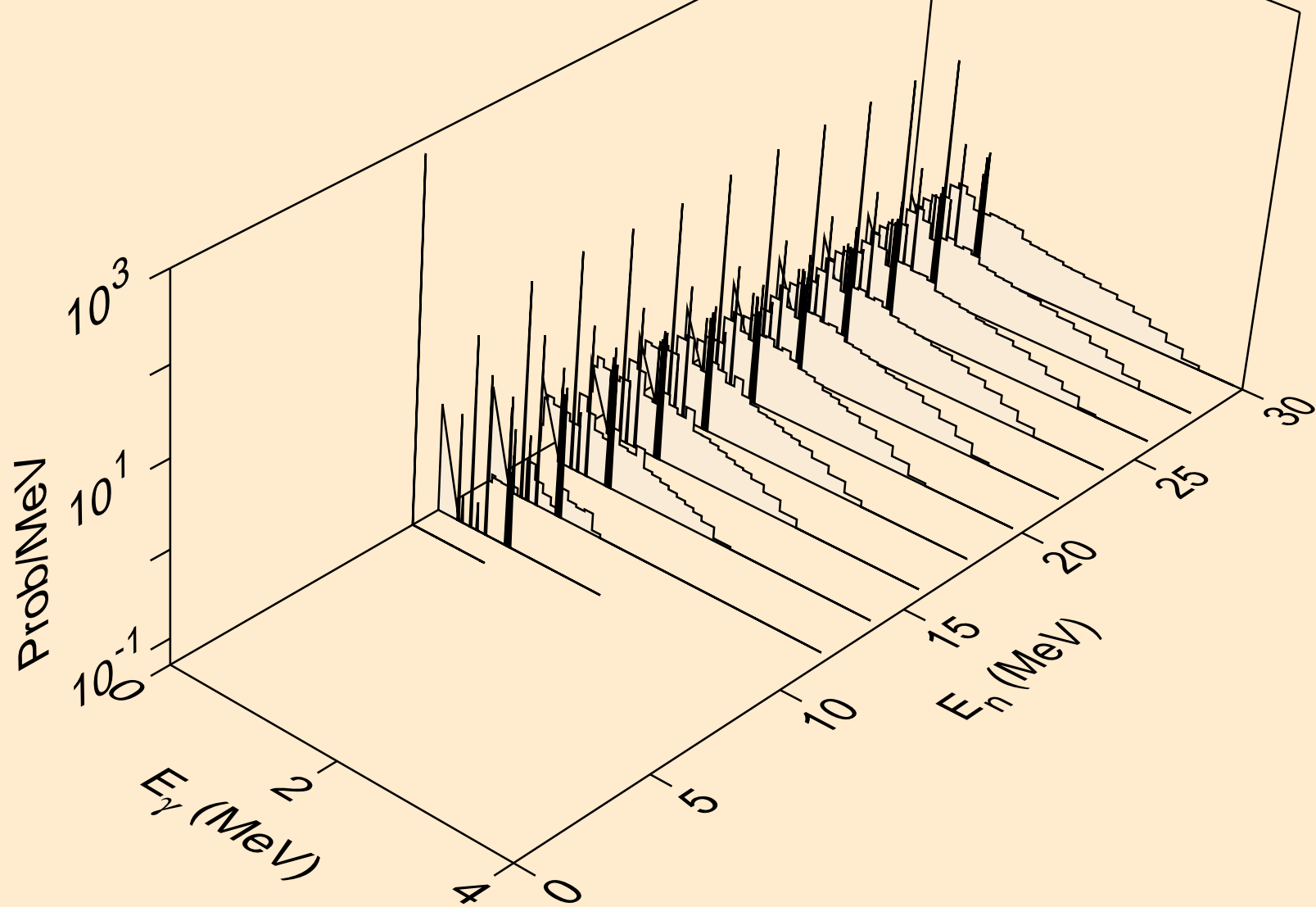
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

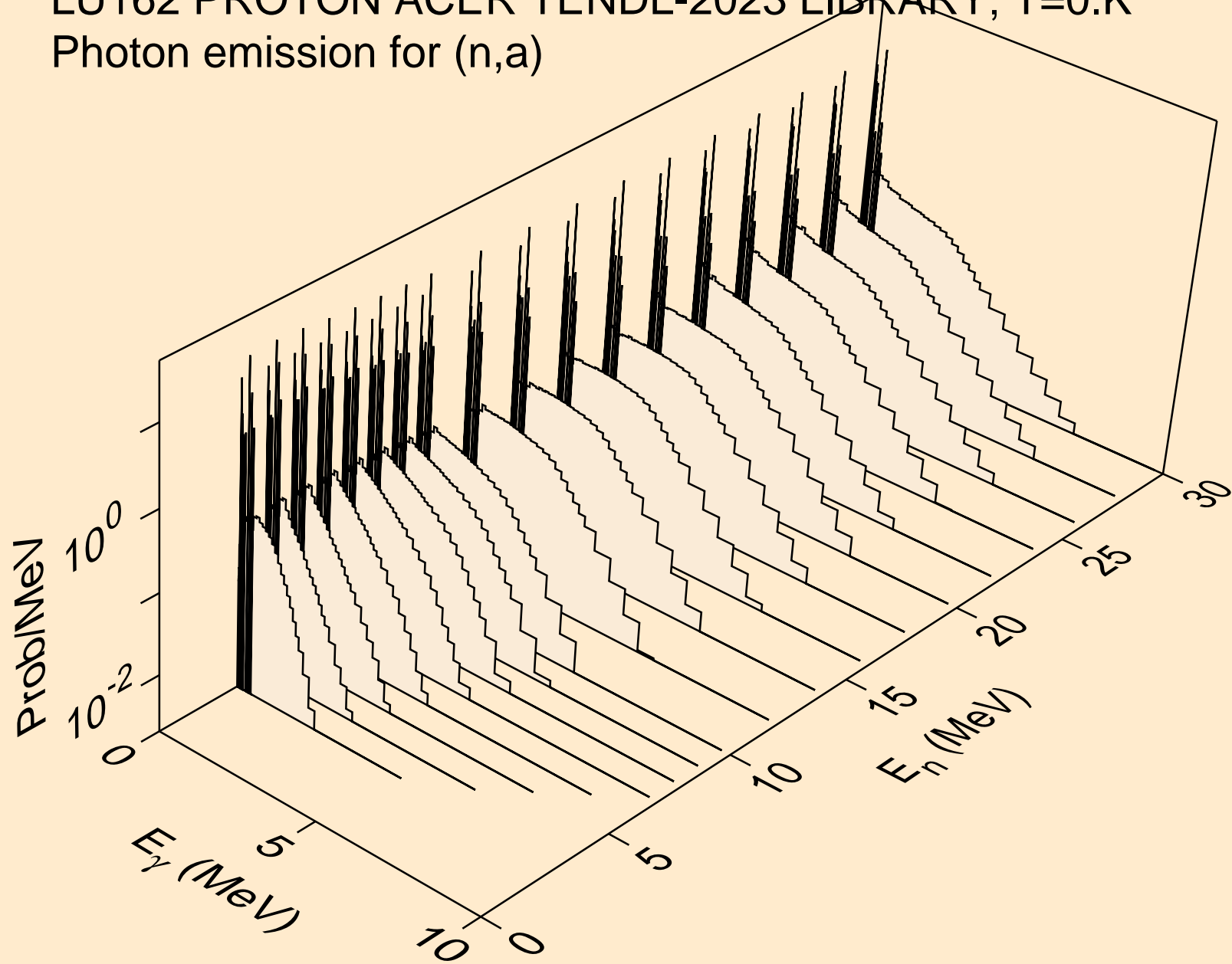


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Photon emission for (n,he3)

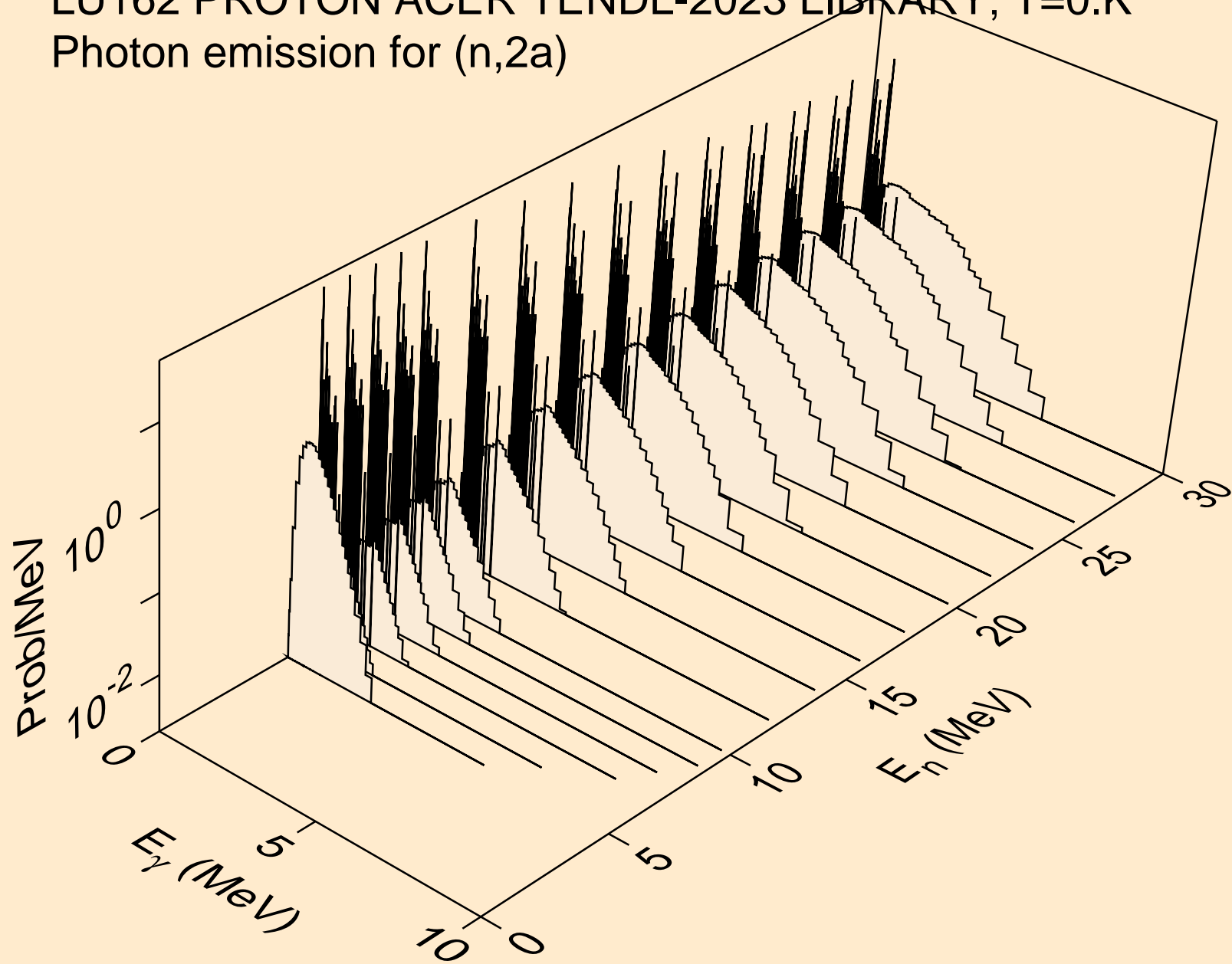




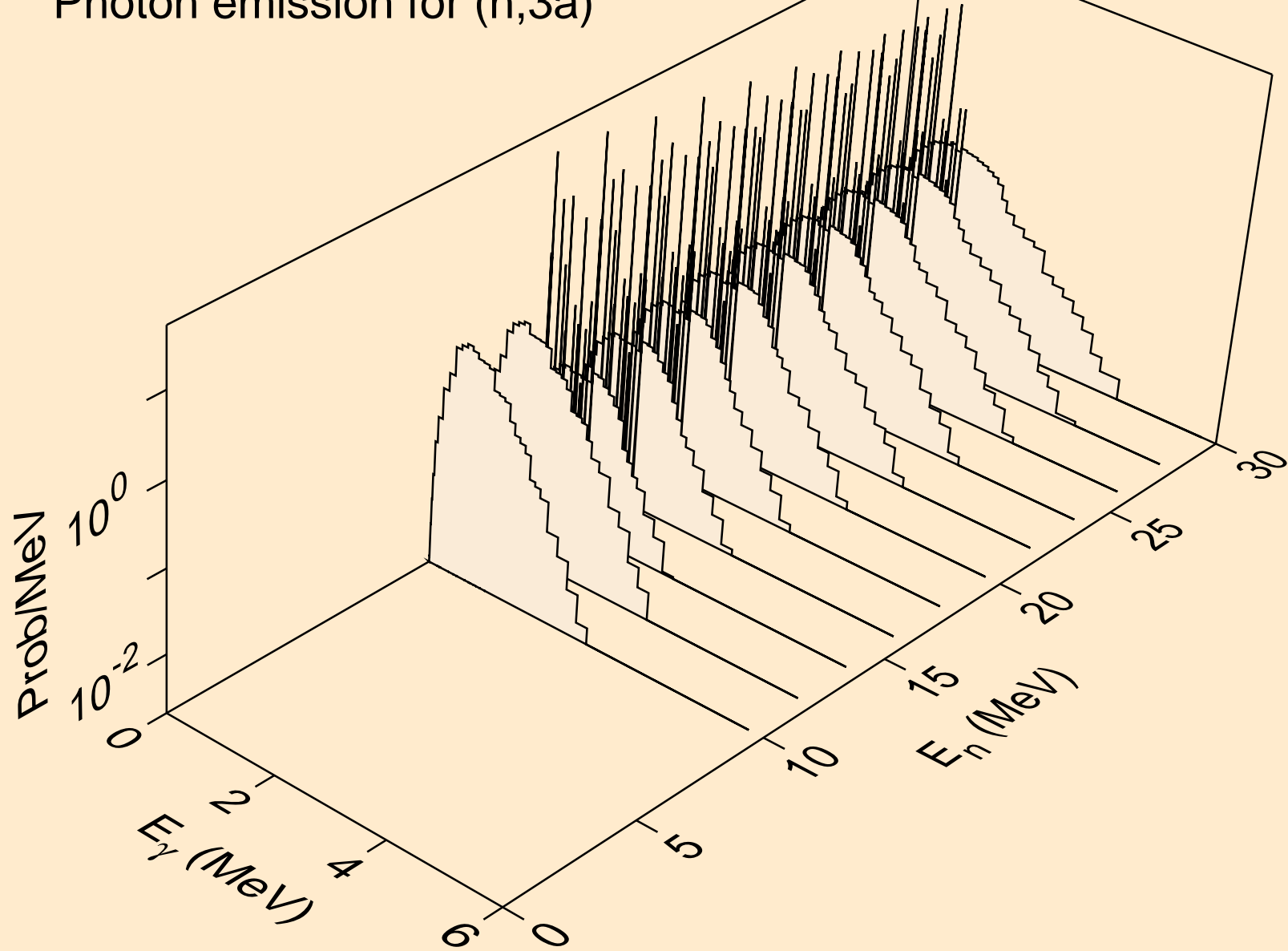
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Photon emission for (n,a)



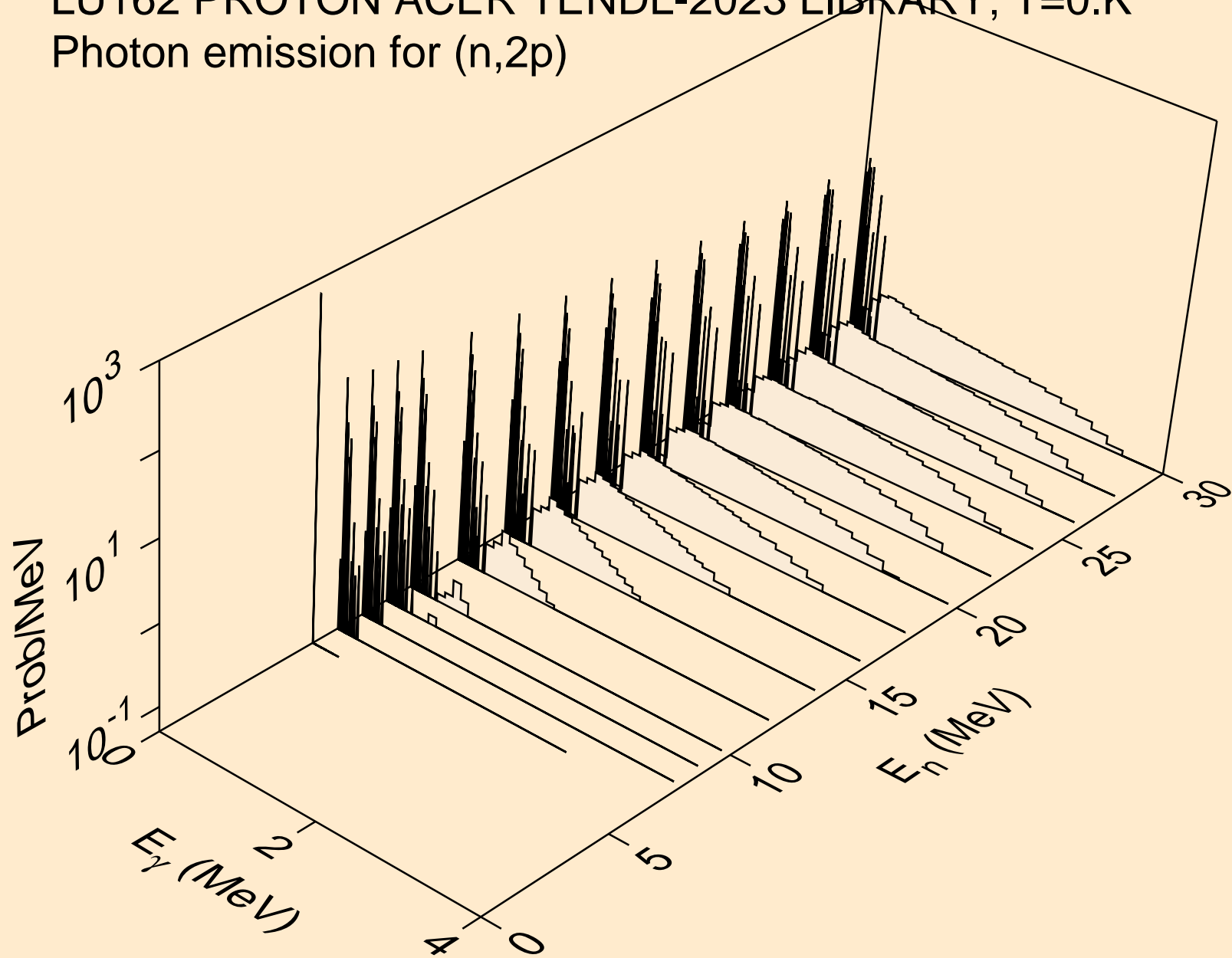
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Photon emission for (n,2a)



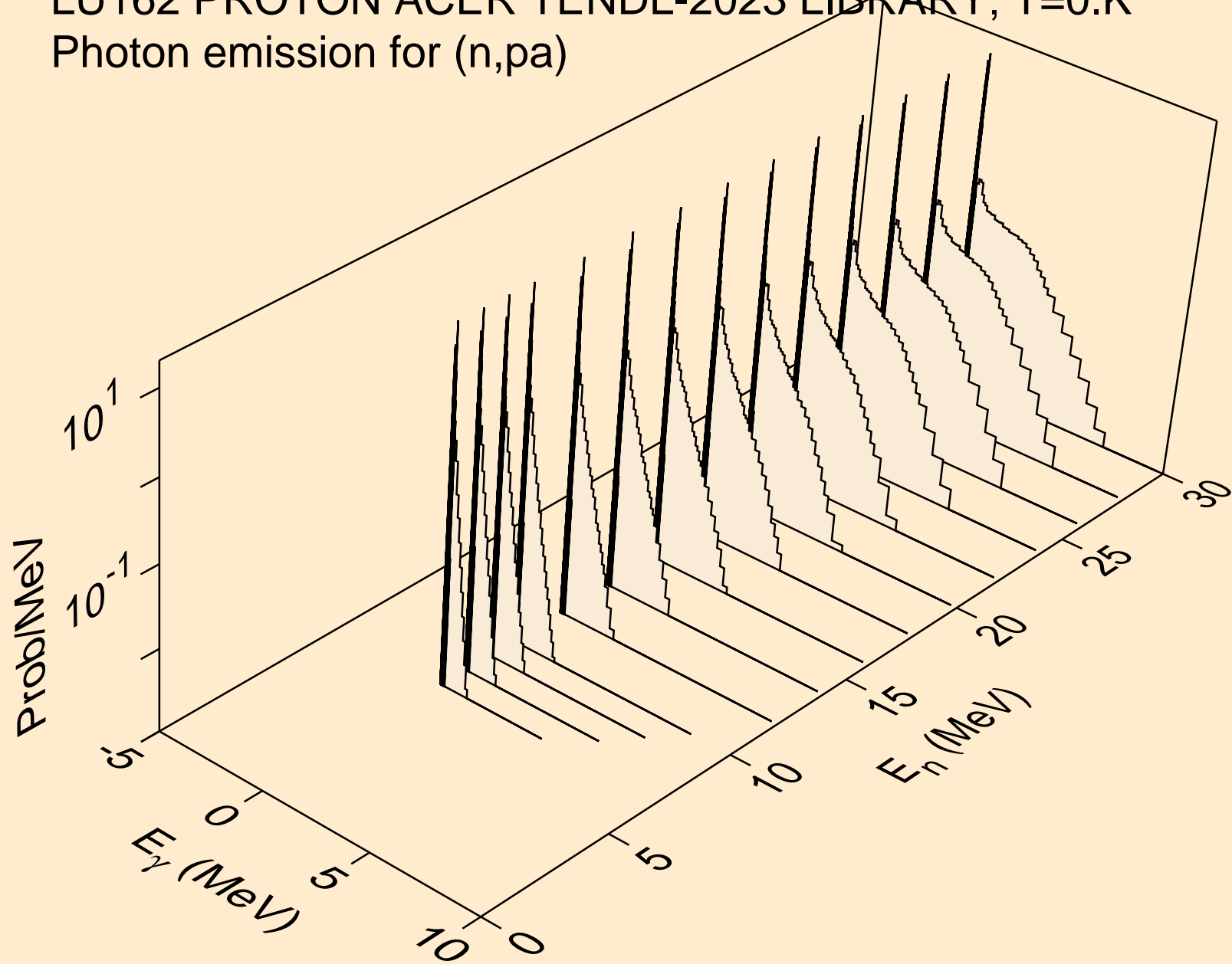
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Photon emission for (n,3a)



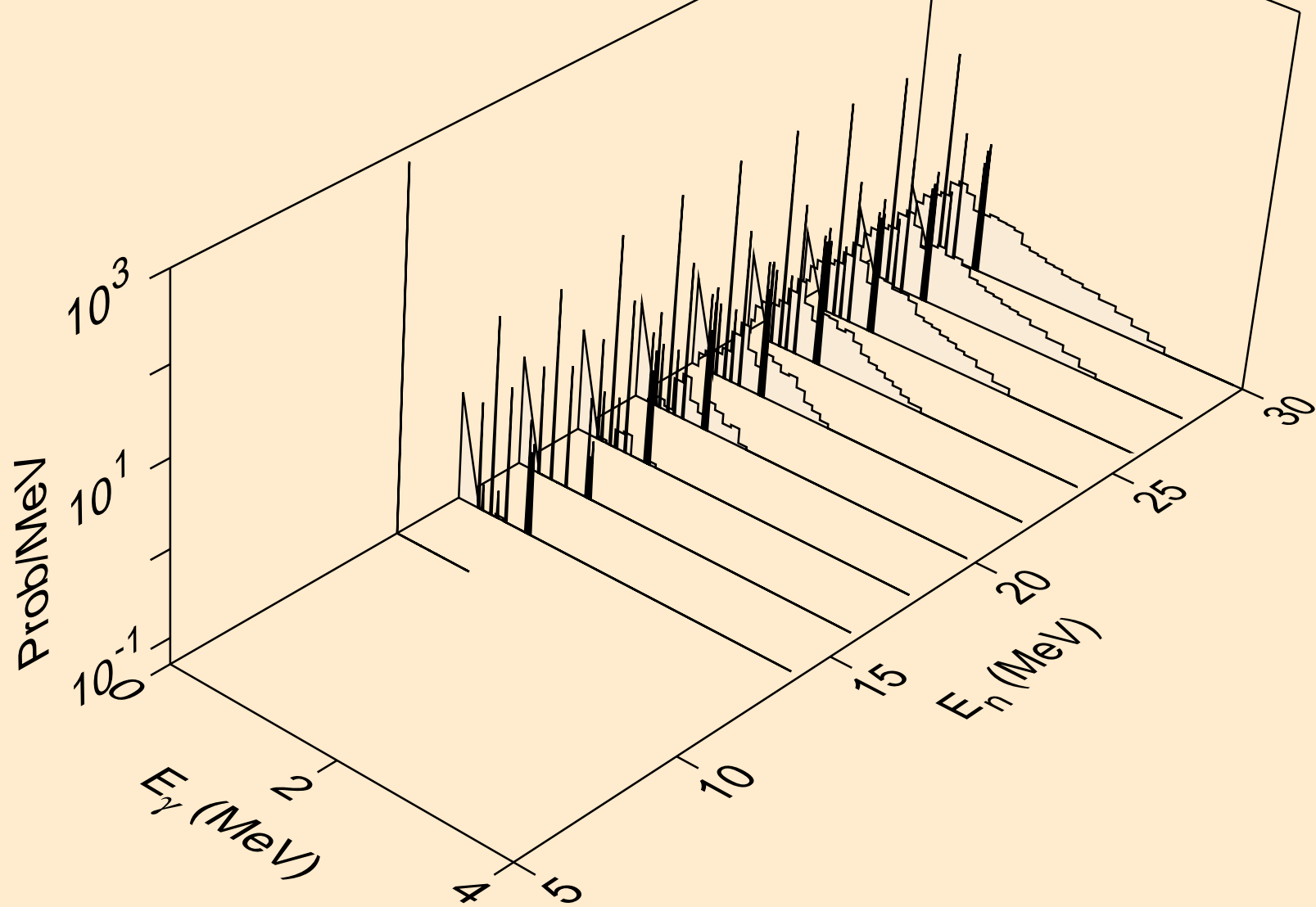
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Photon emission for (n,2p)



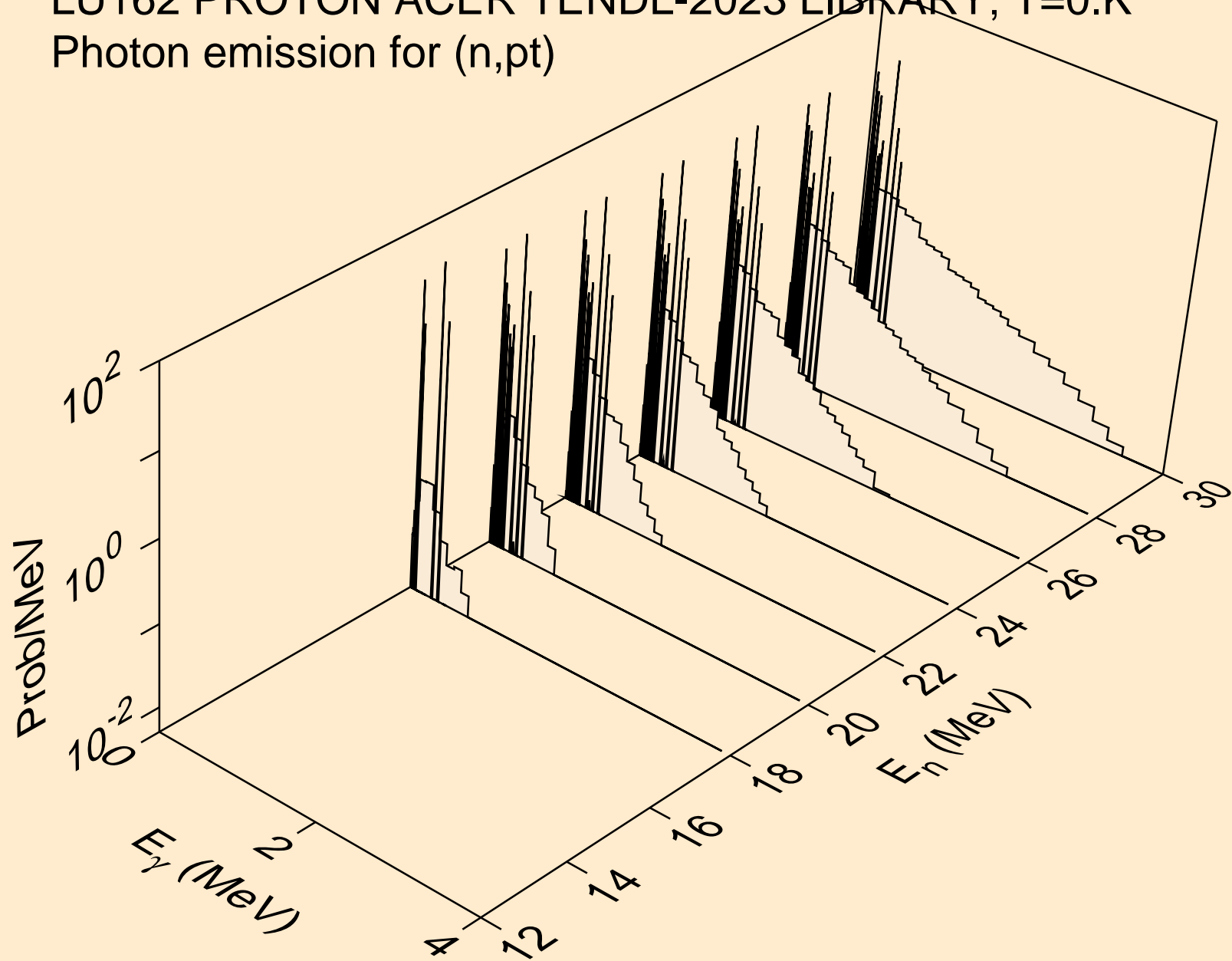
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Photon emission for (n,pa)



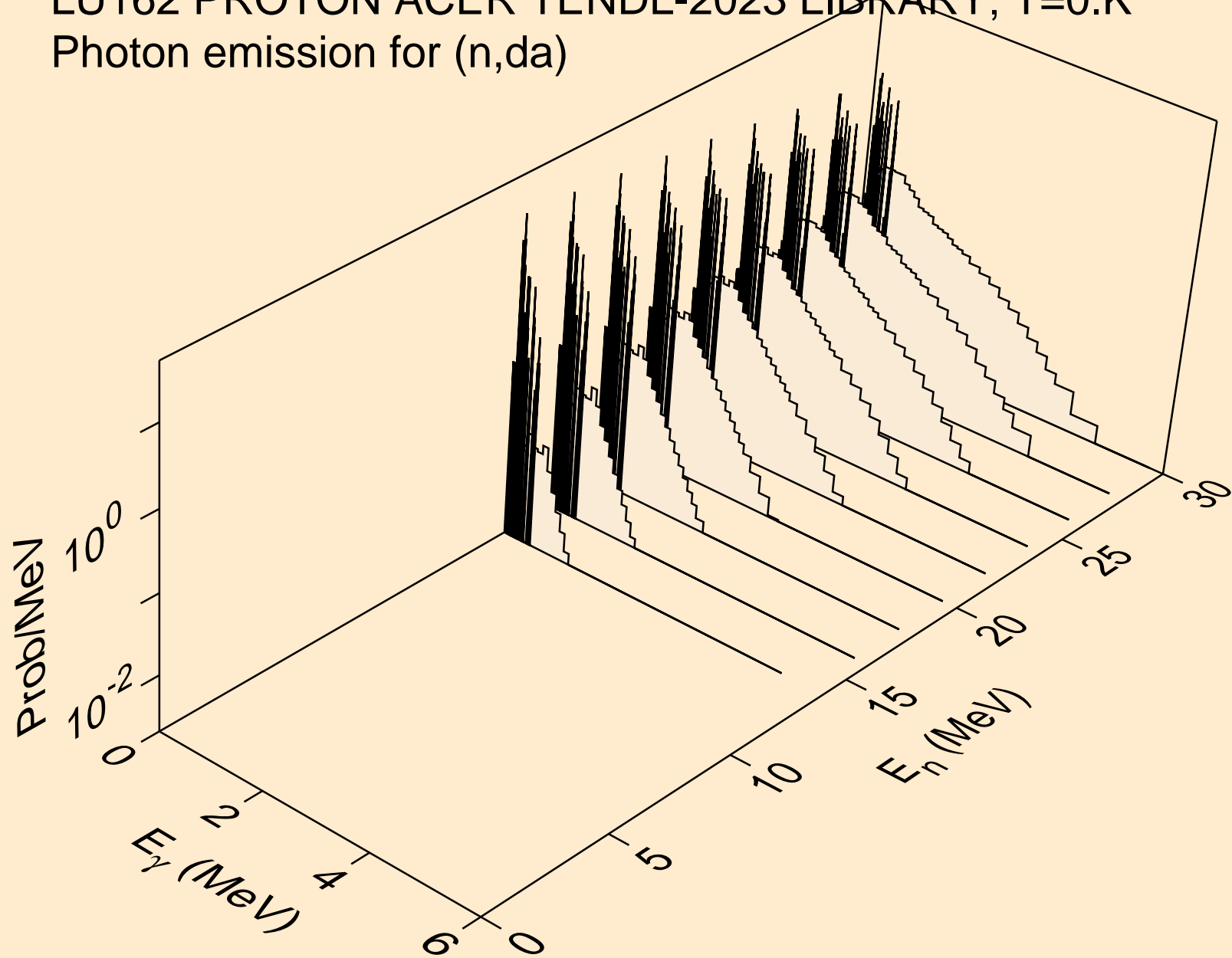
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

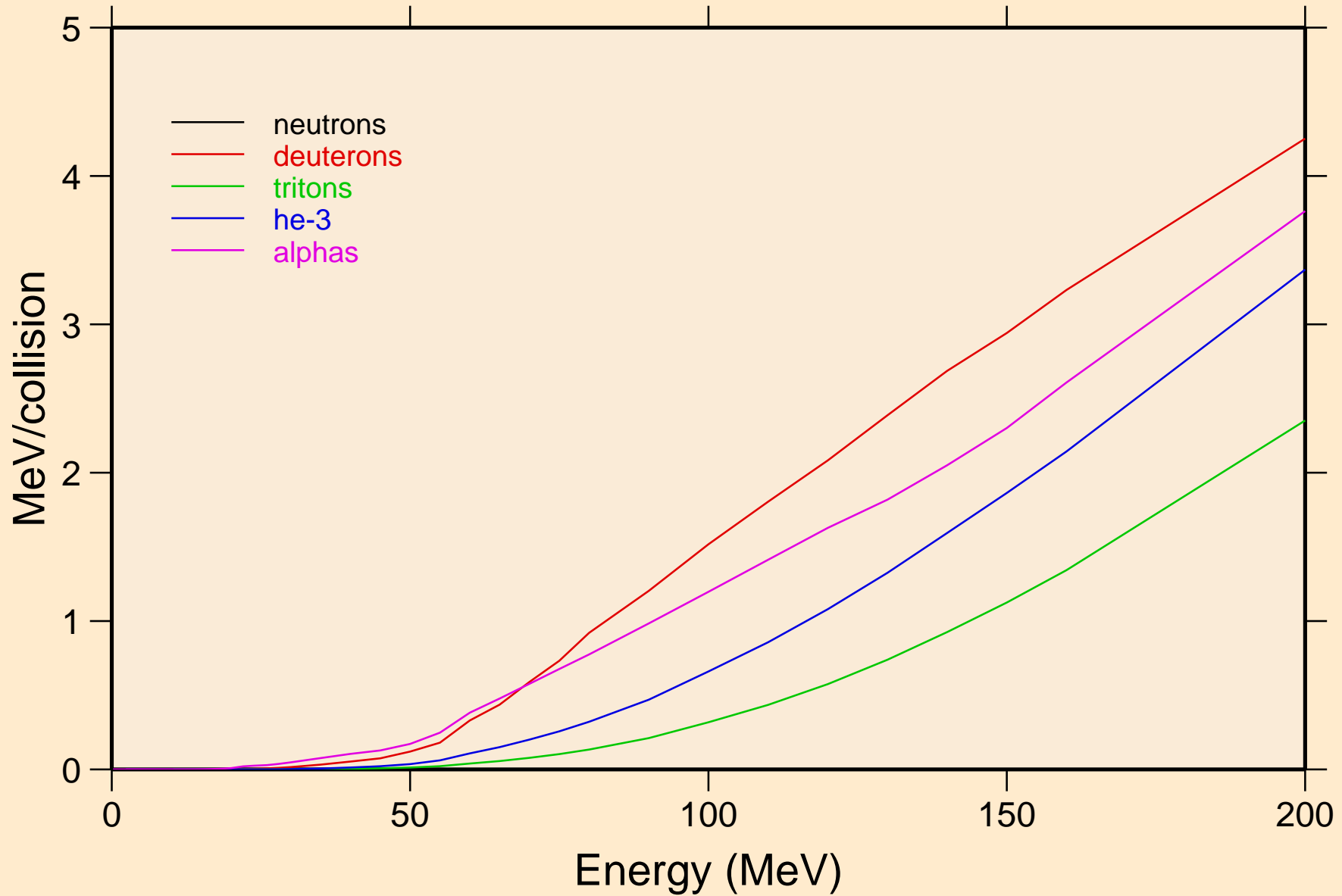


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Photon emission for (n,da)



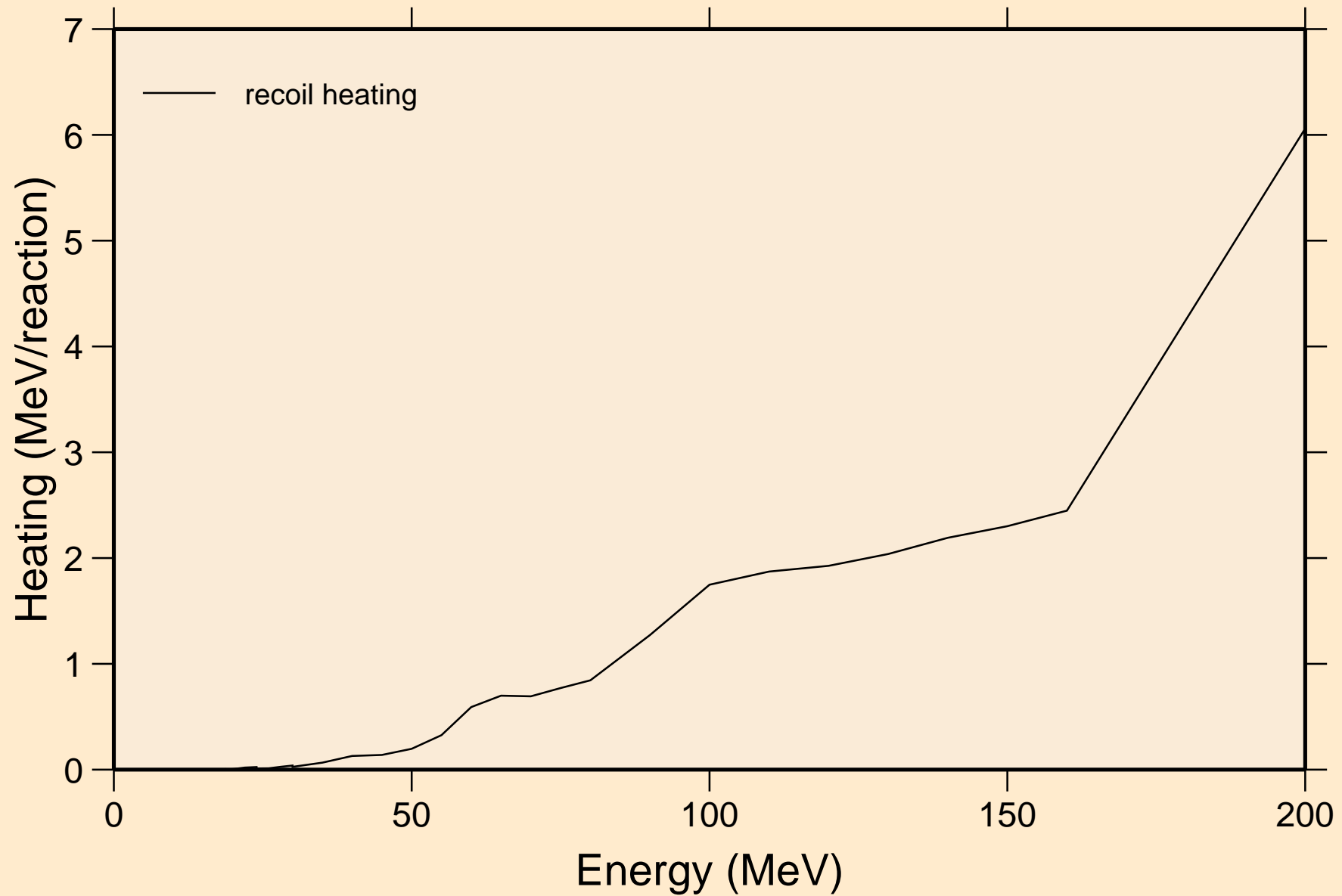


LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions

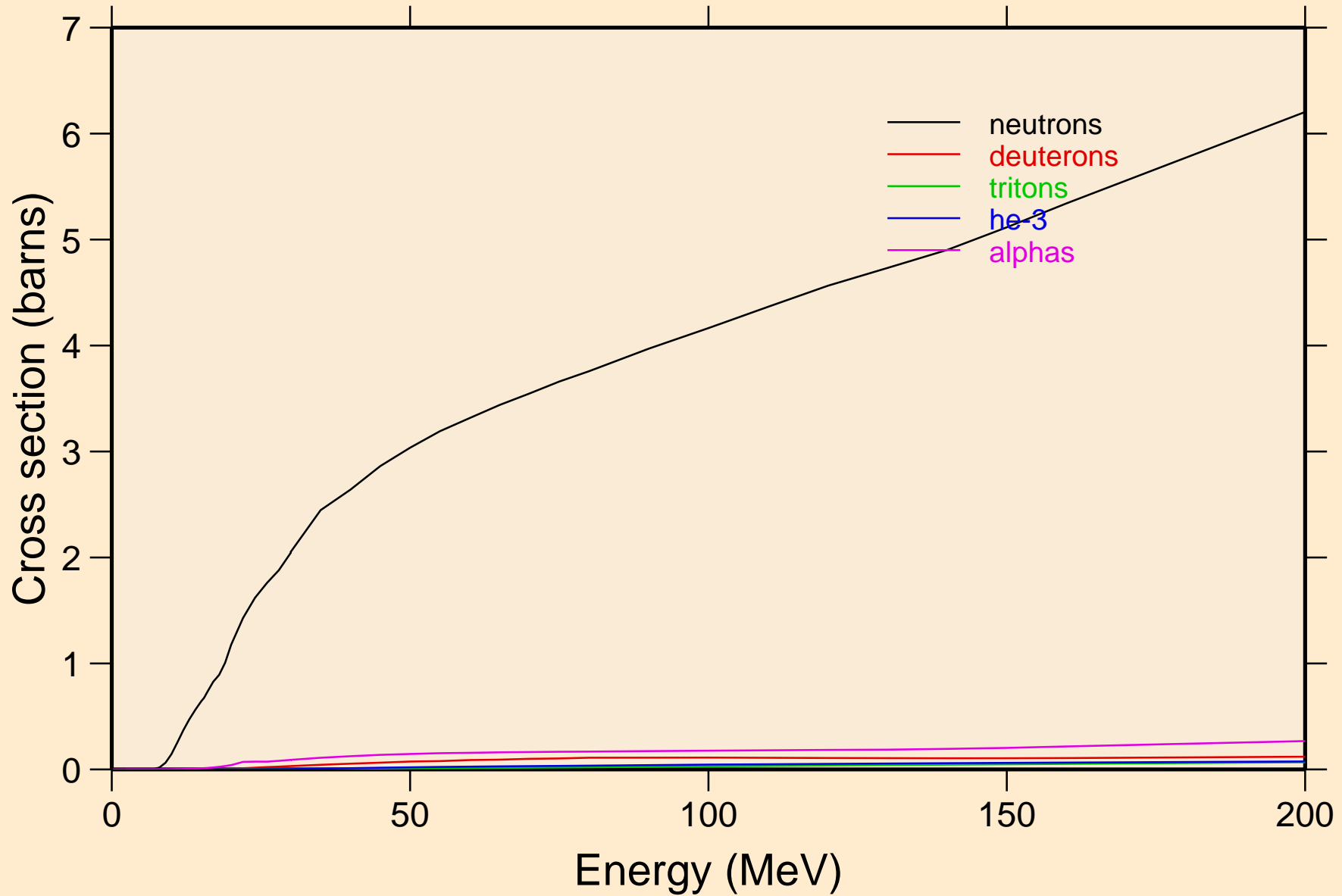


# LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K

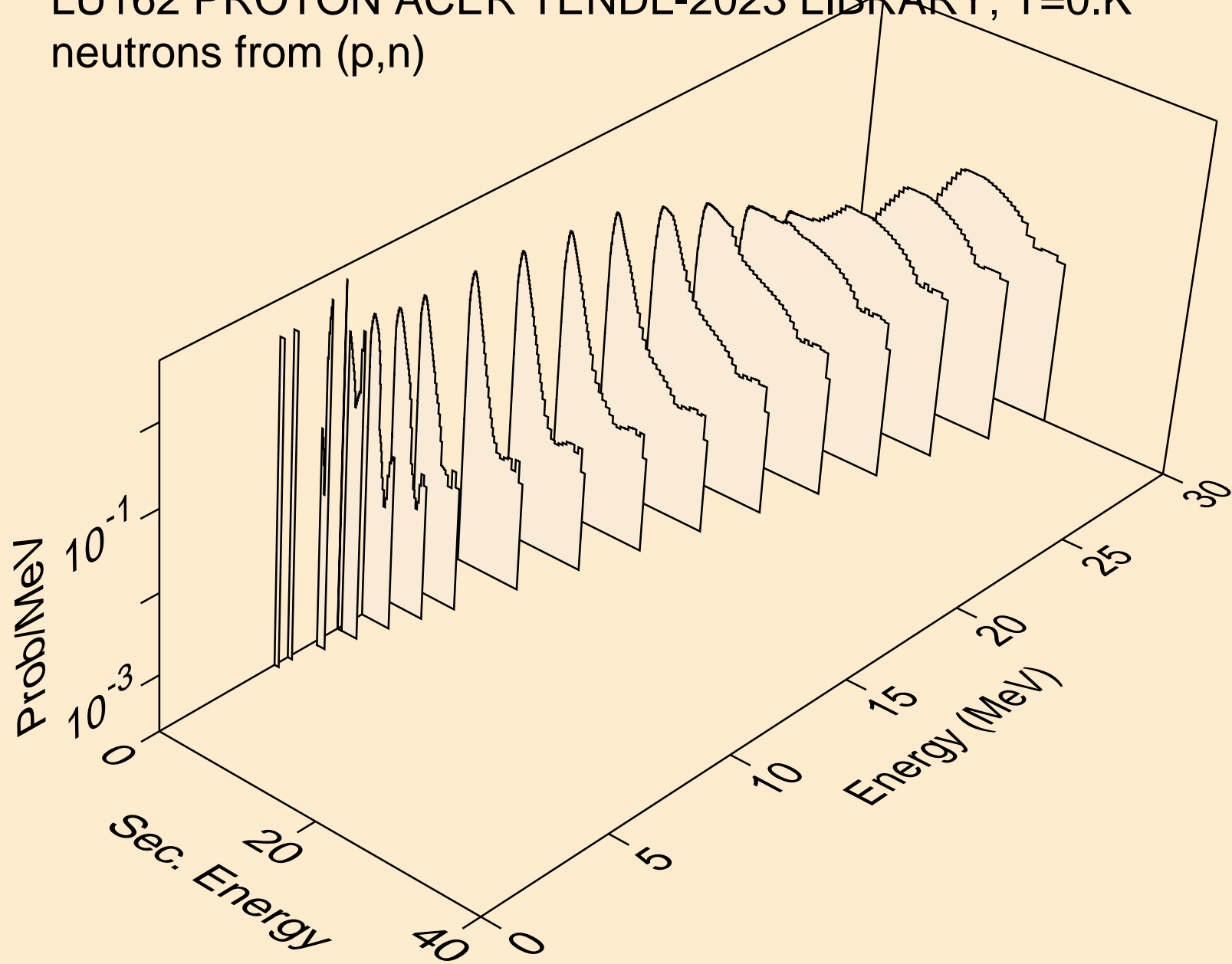
## Recoil Heating



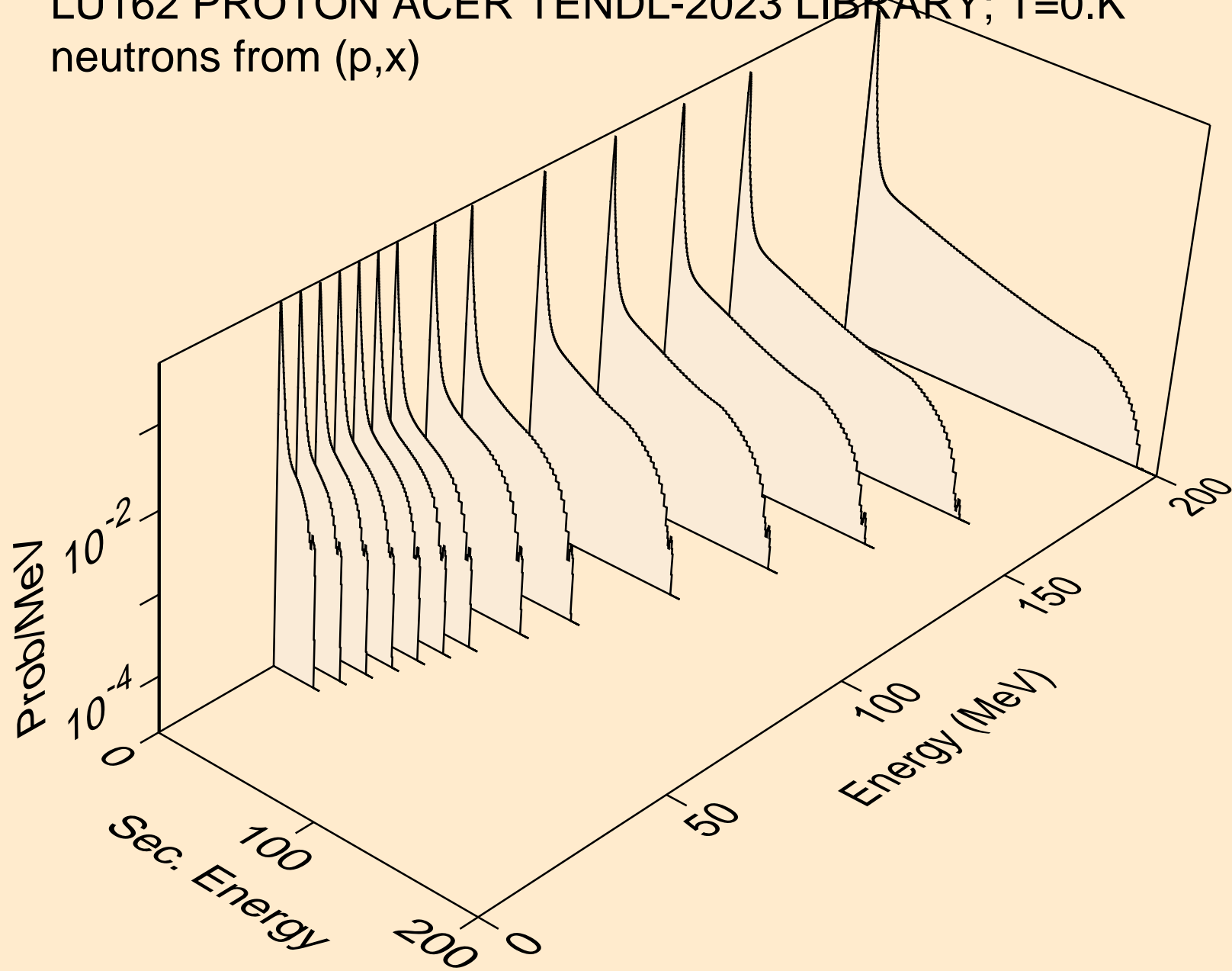
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



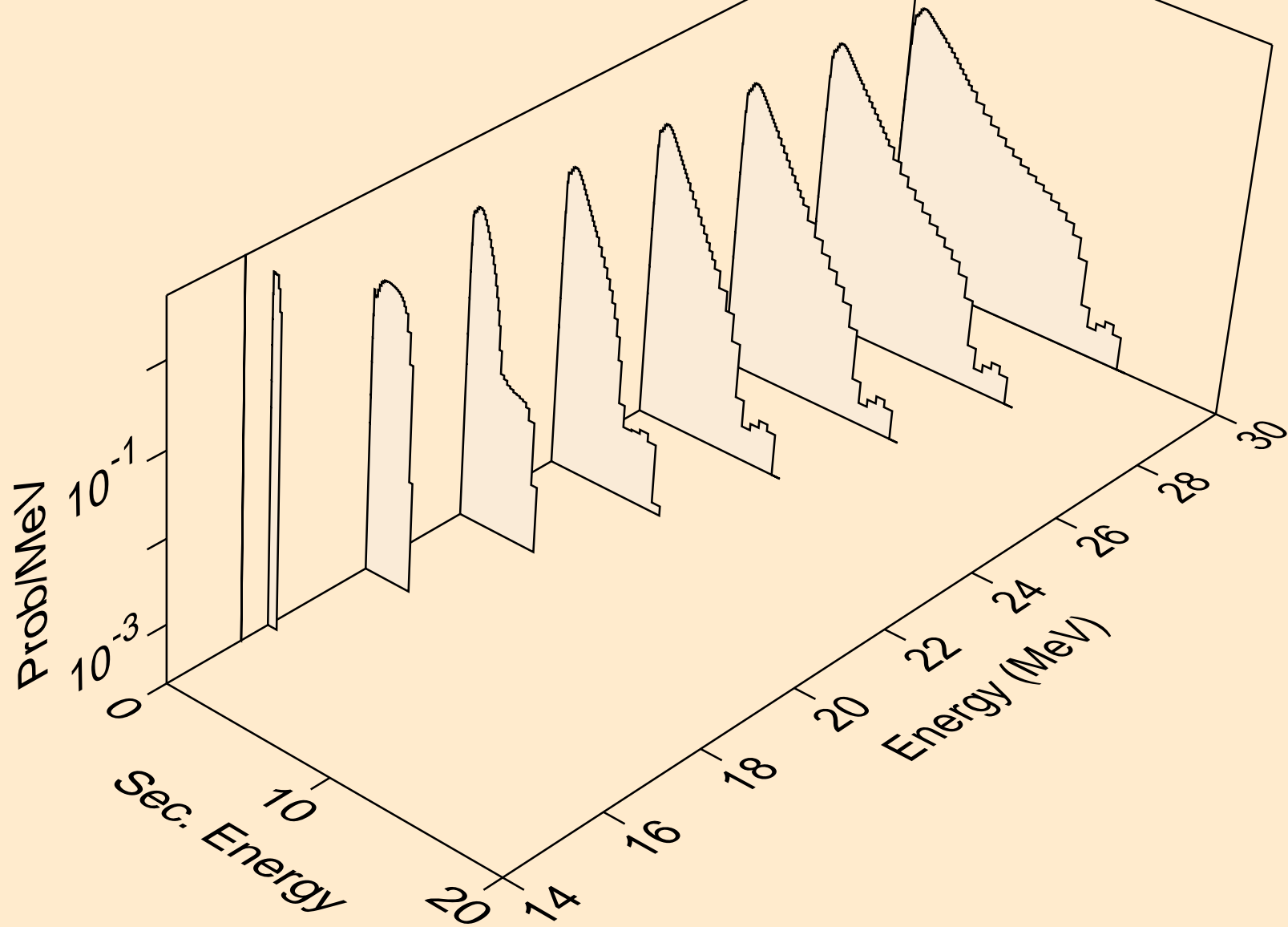
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



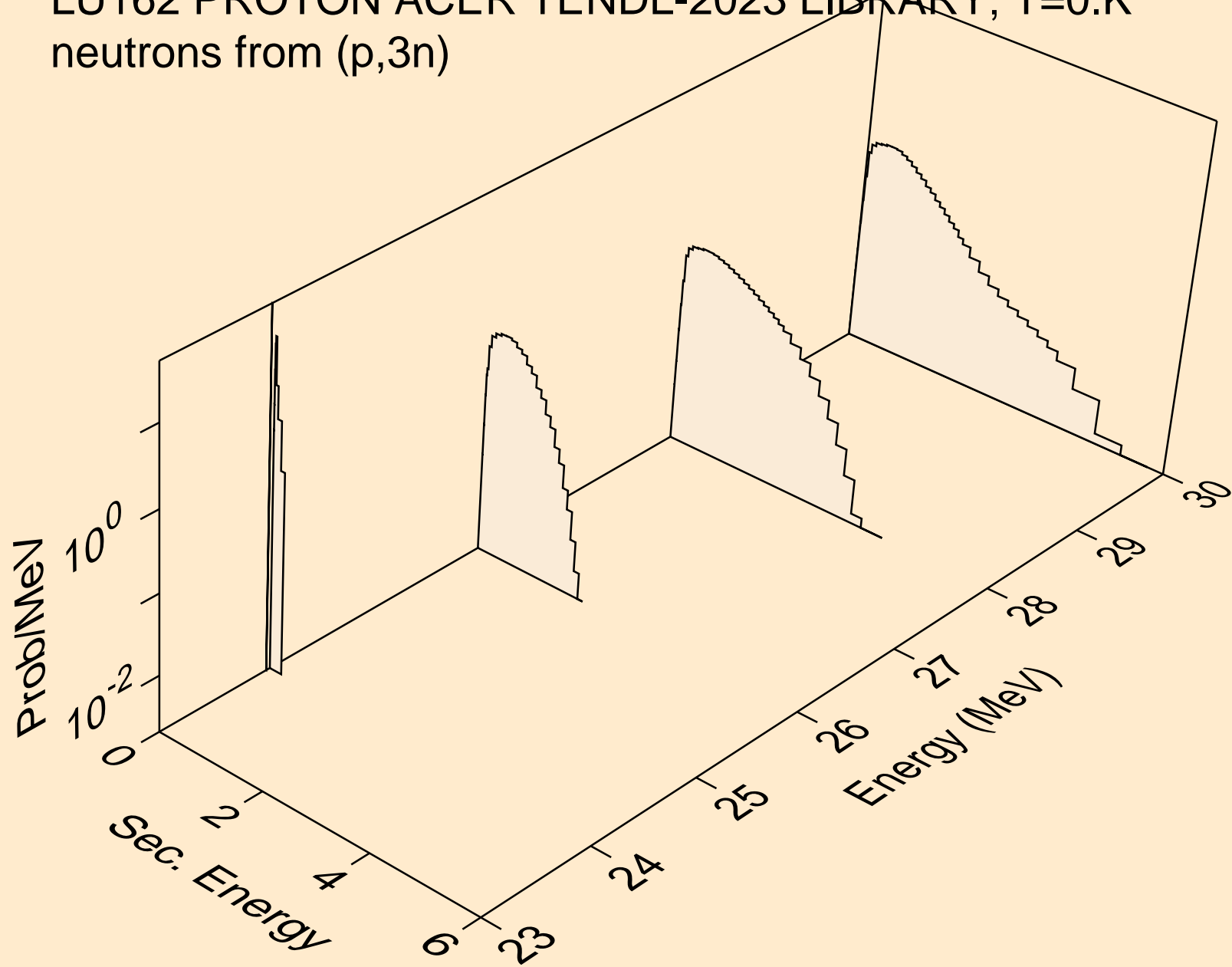
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)



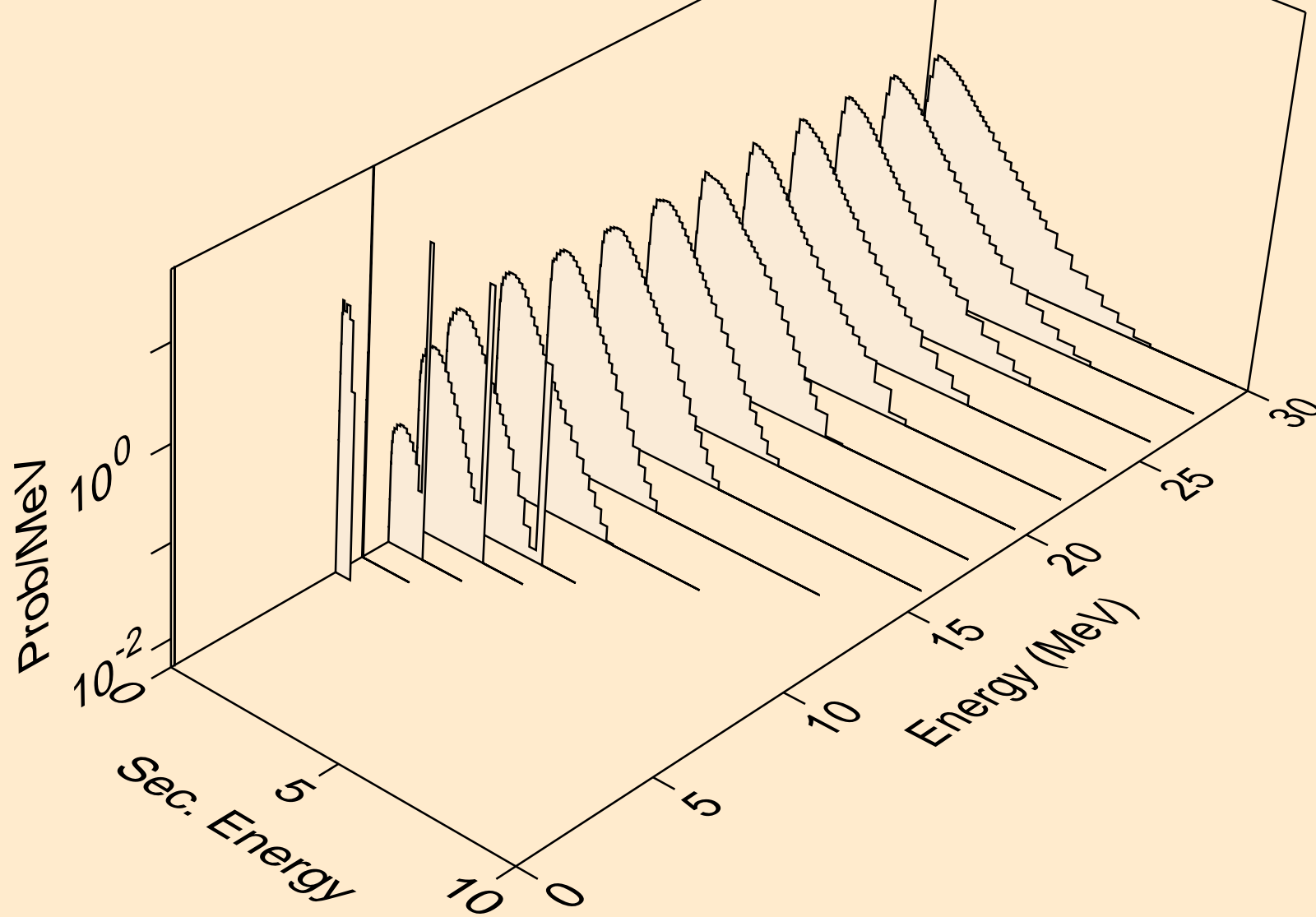
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)



LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3n)

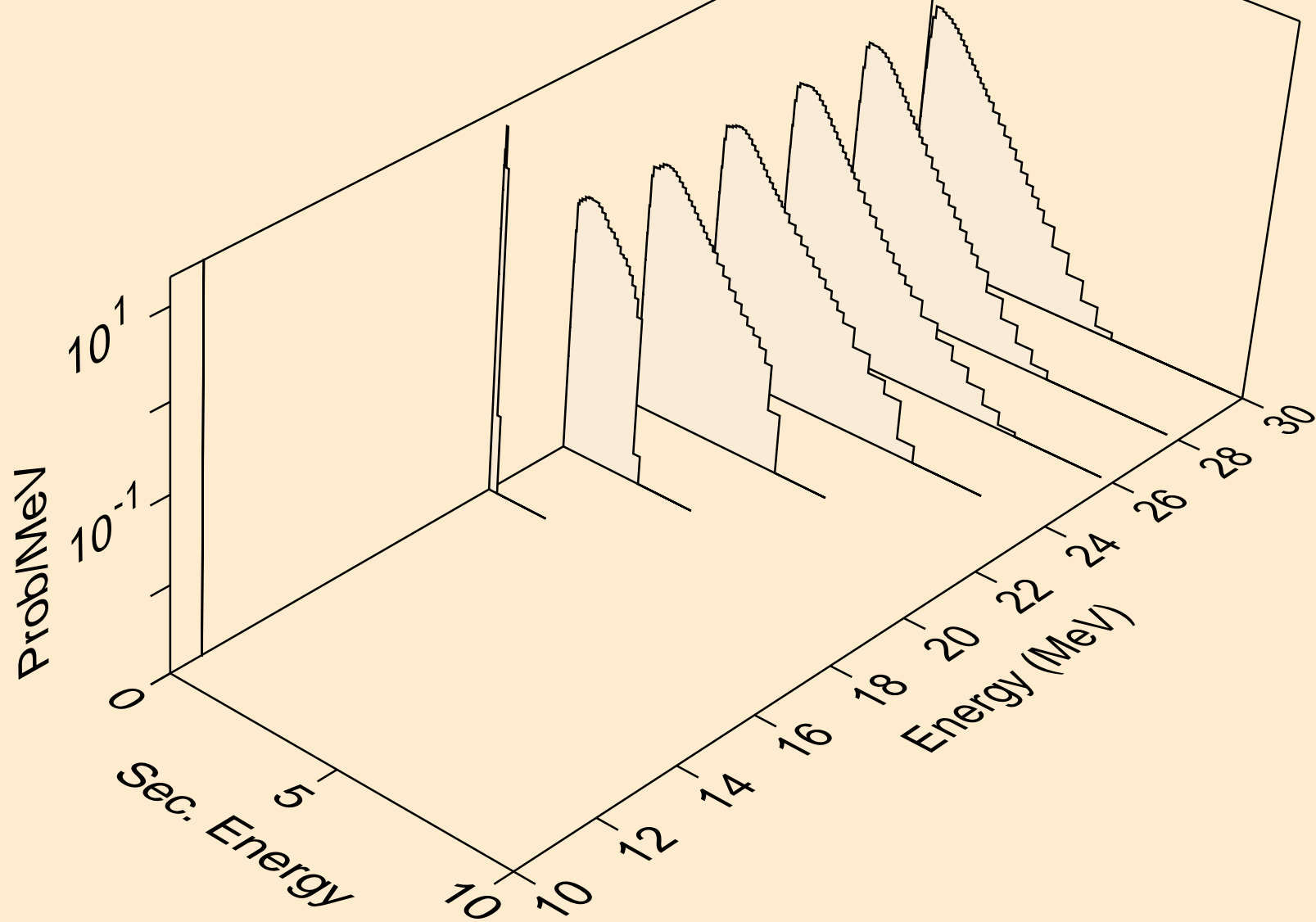


LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a

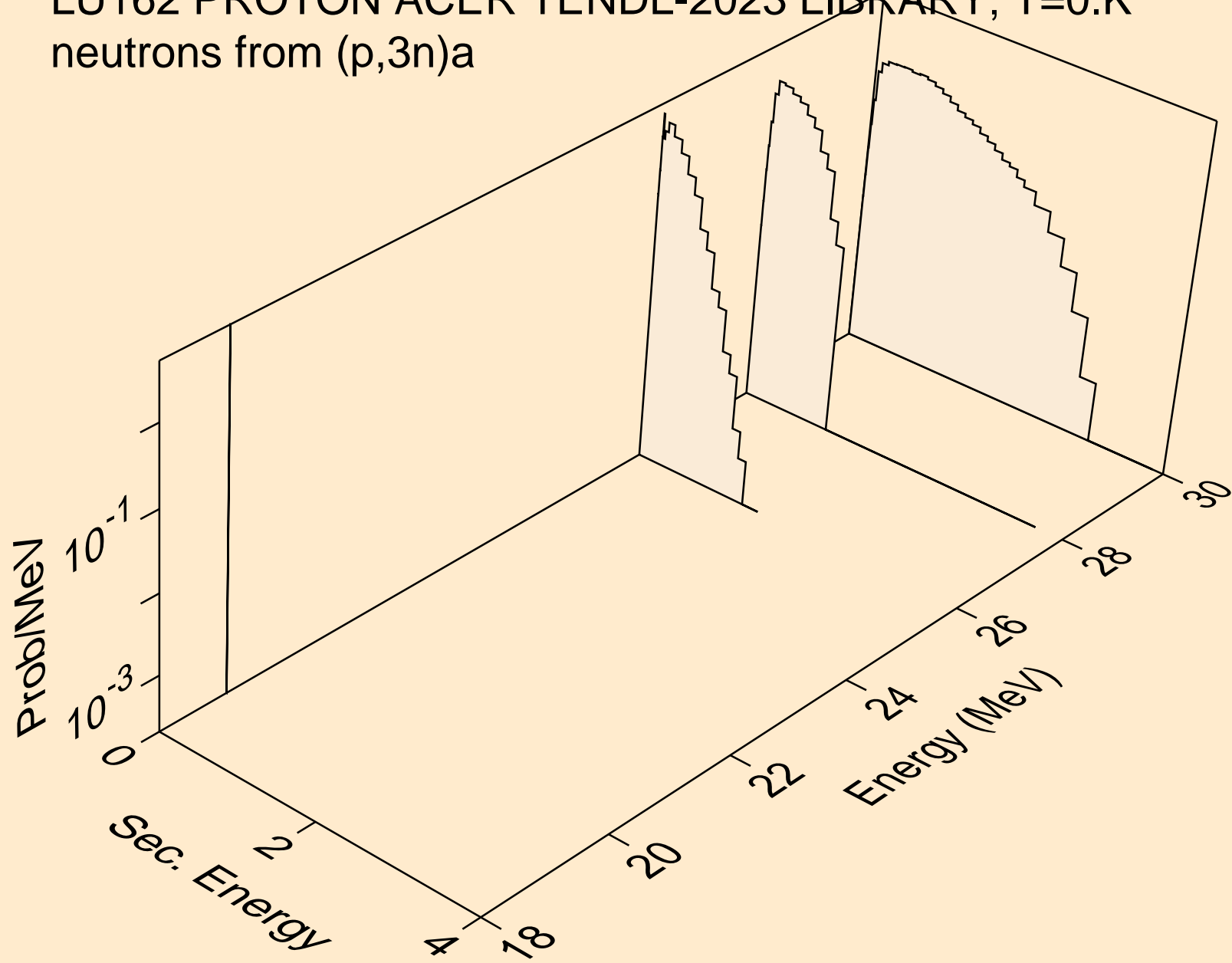




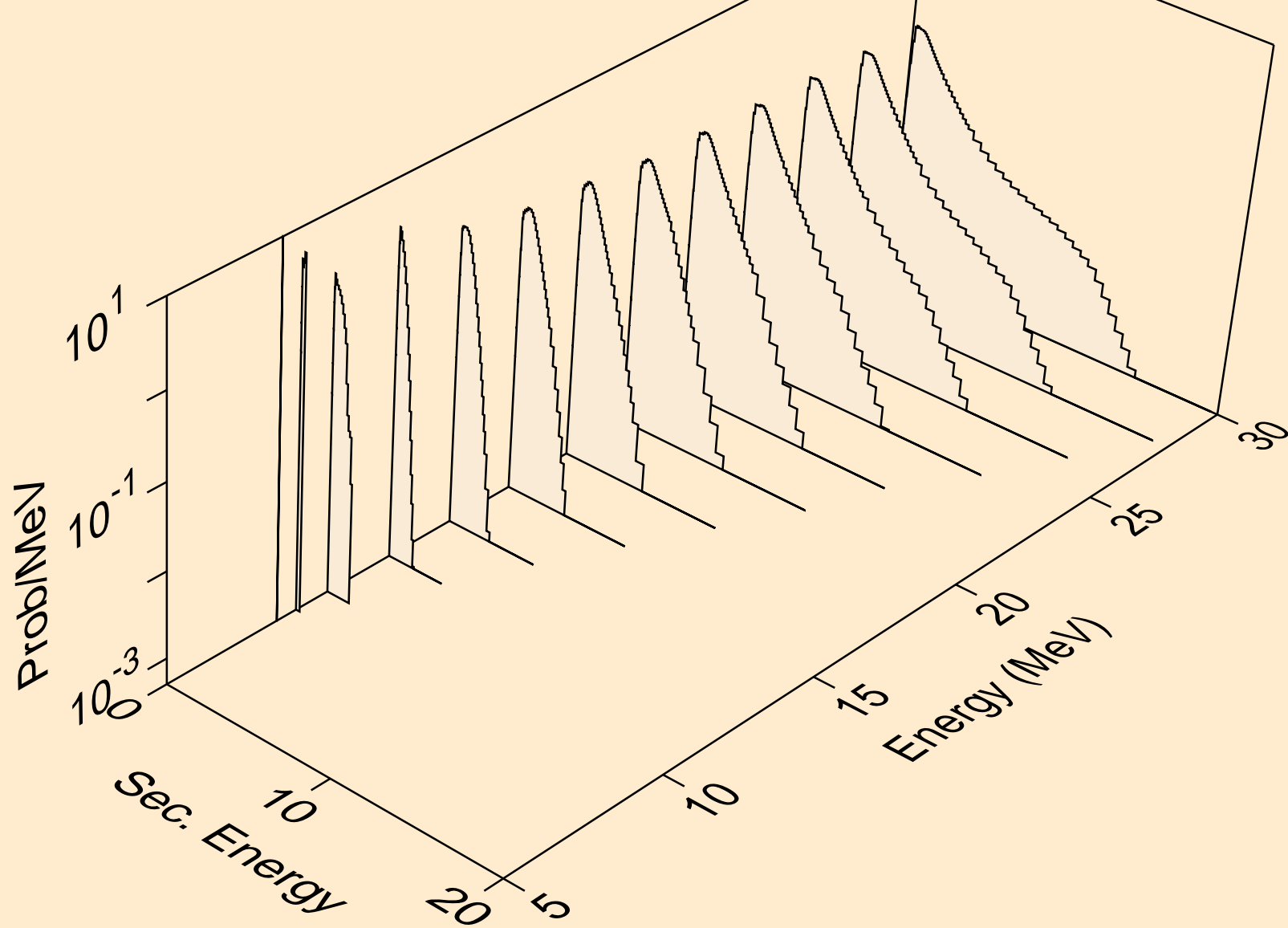
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neutrons from (p,2n)a



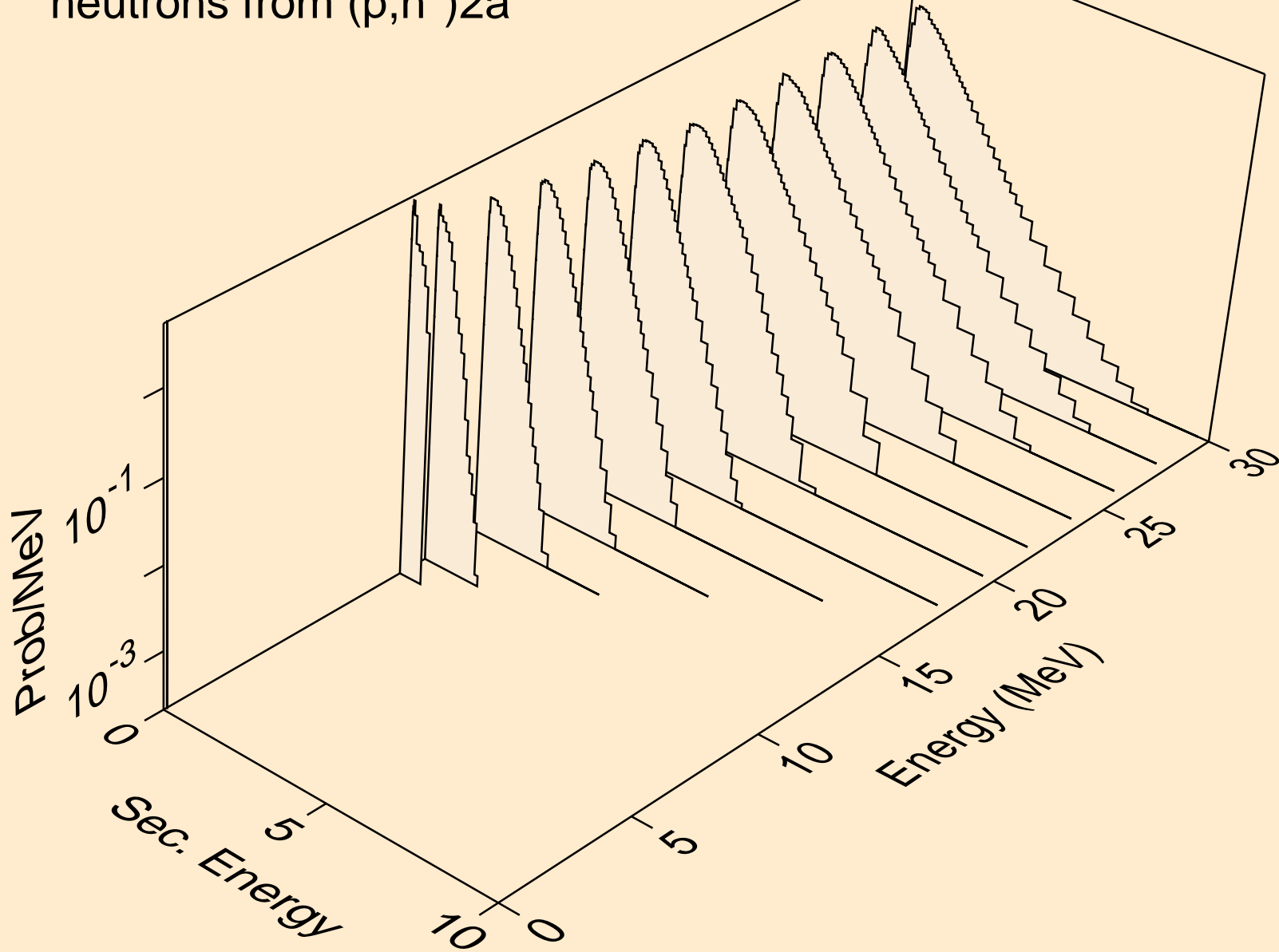
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neutrons from (p,3n)a



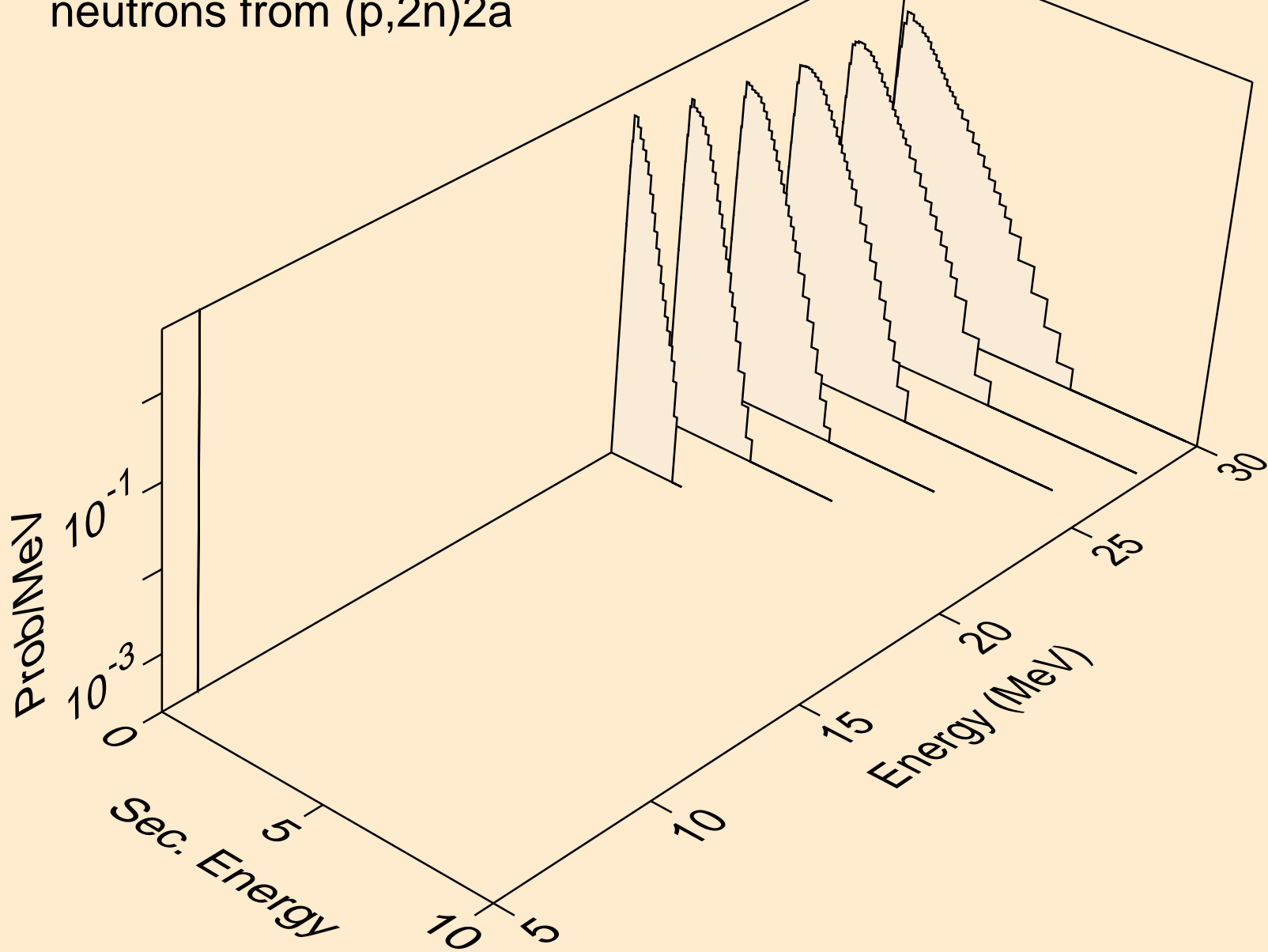
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)p



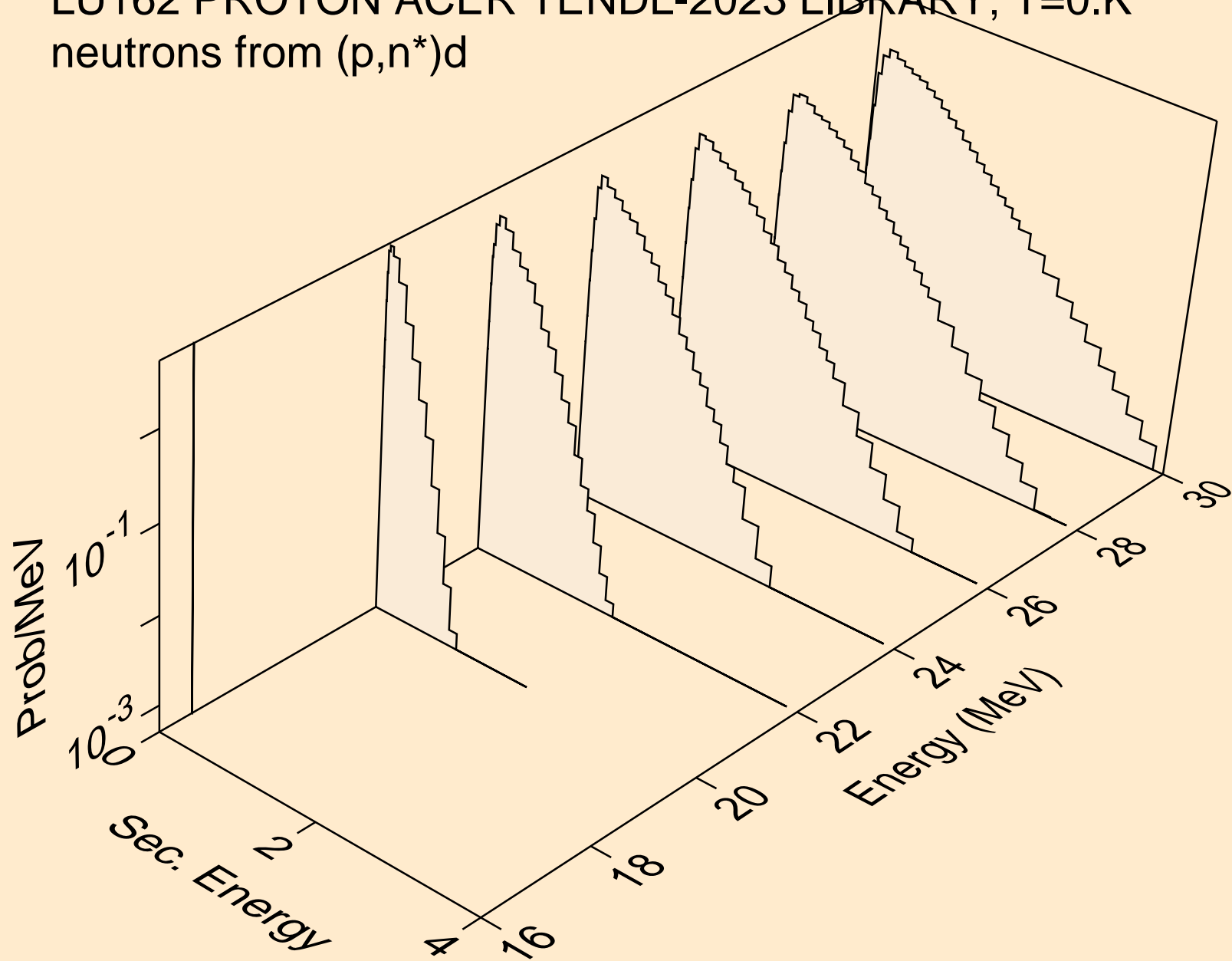
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neutrons from (p,n\*)2a



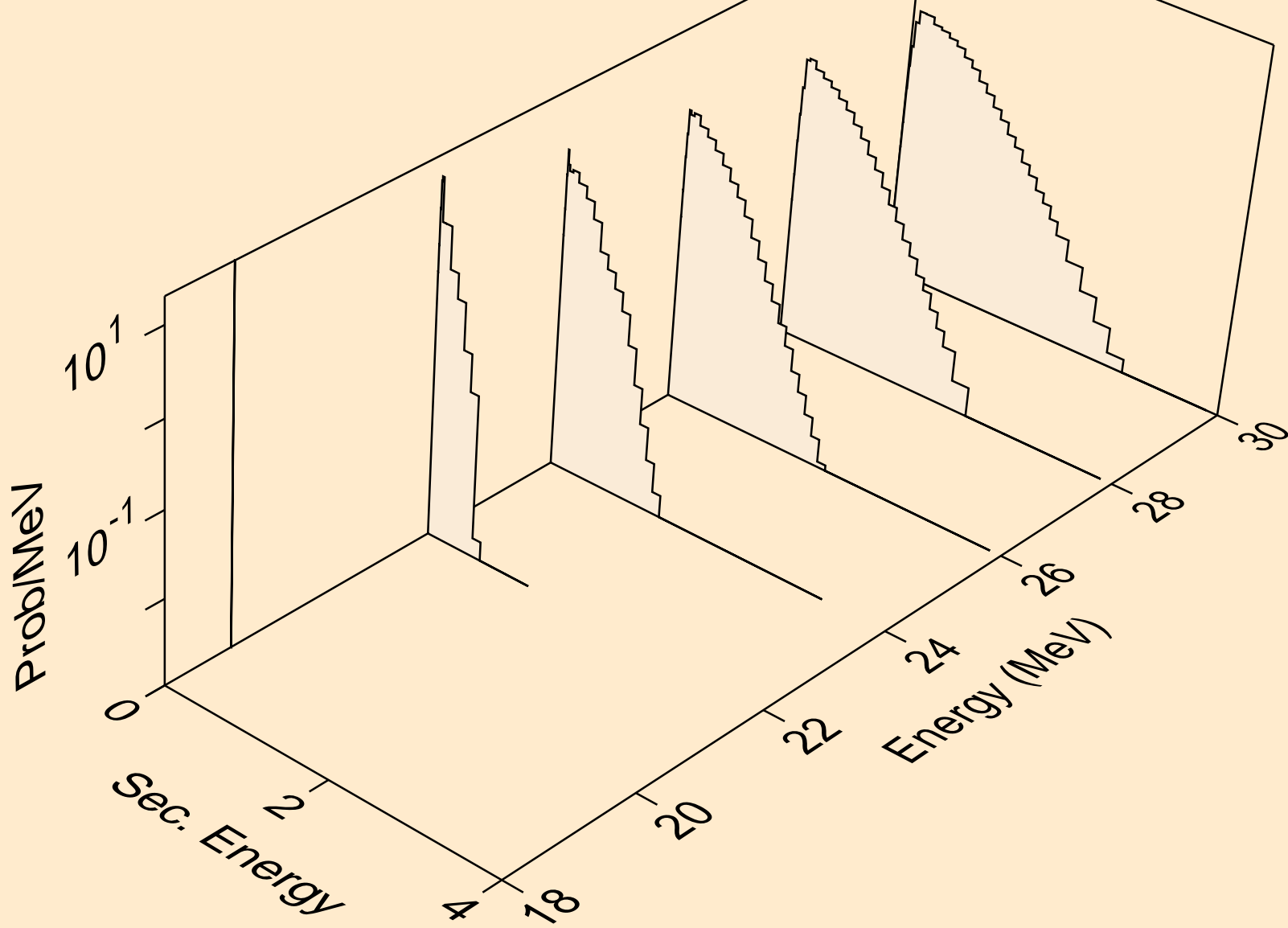
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neutrons from (p,2n)2a



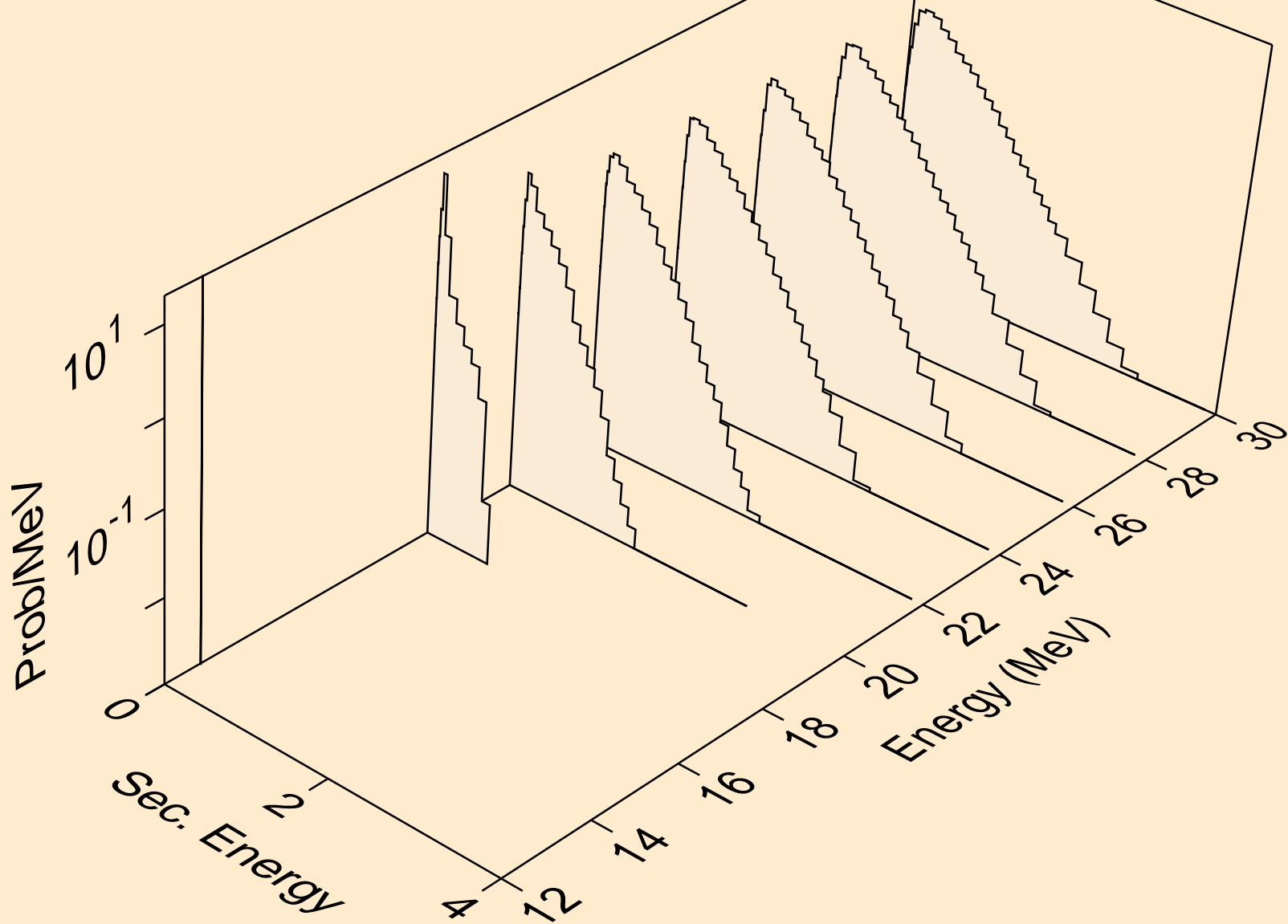
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)d



LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)t

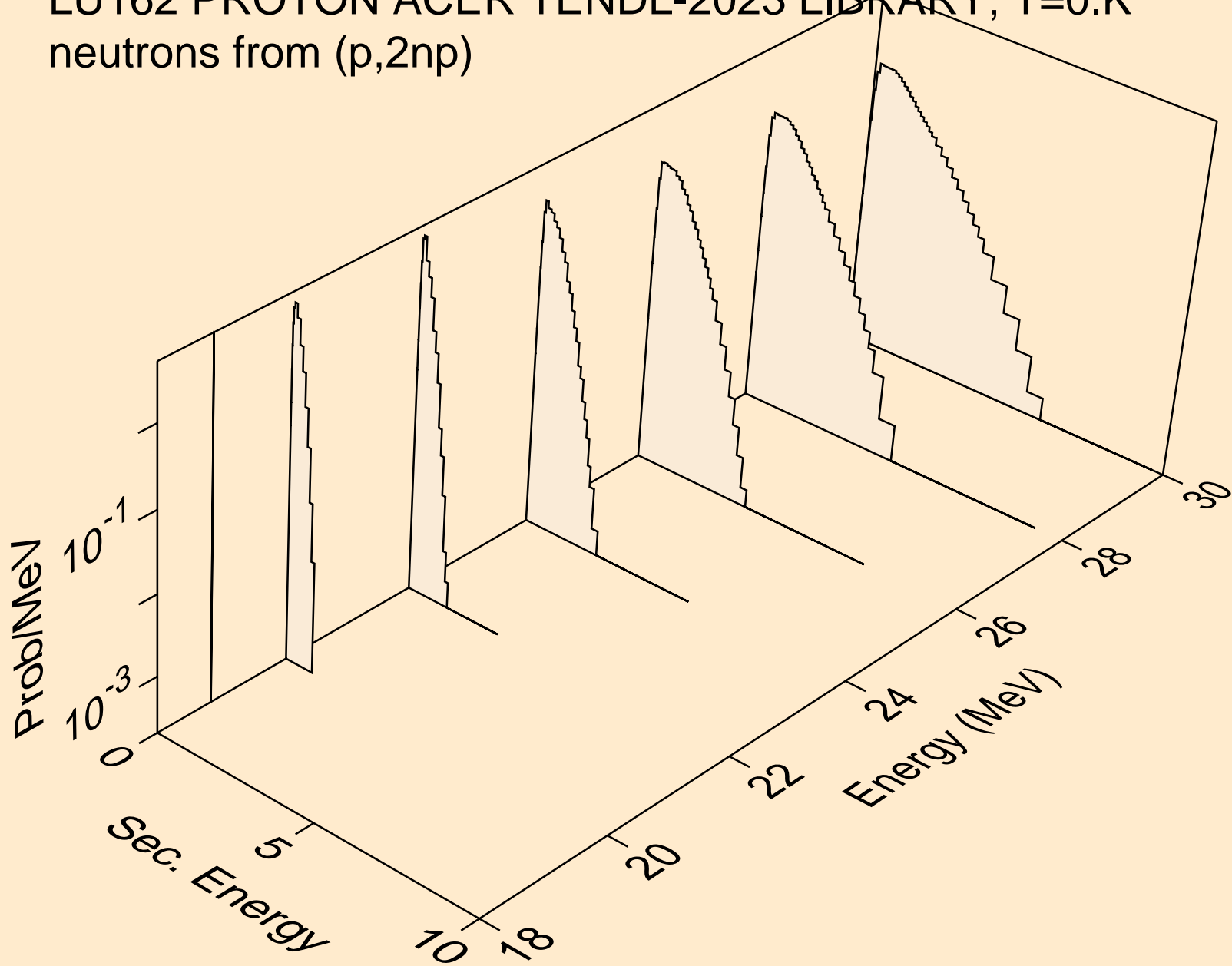


LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3

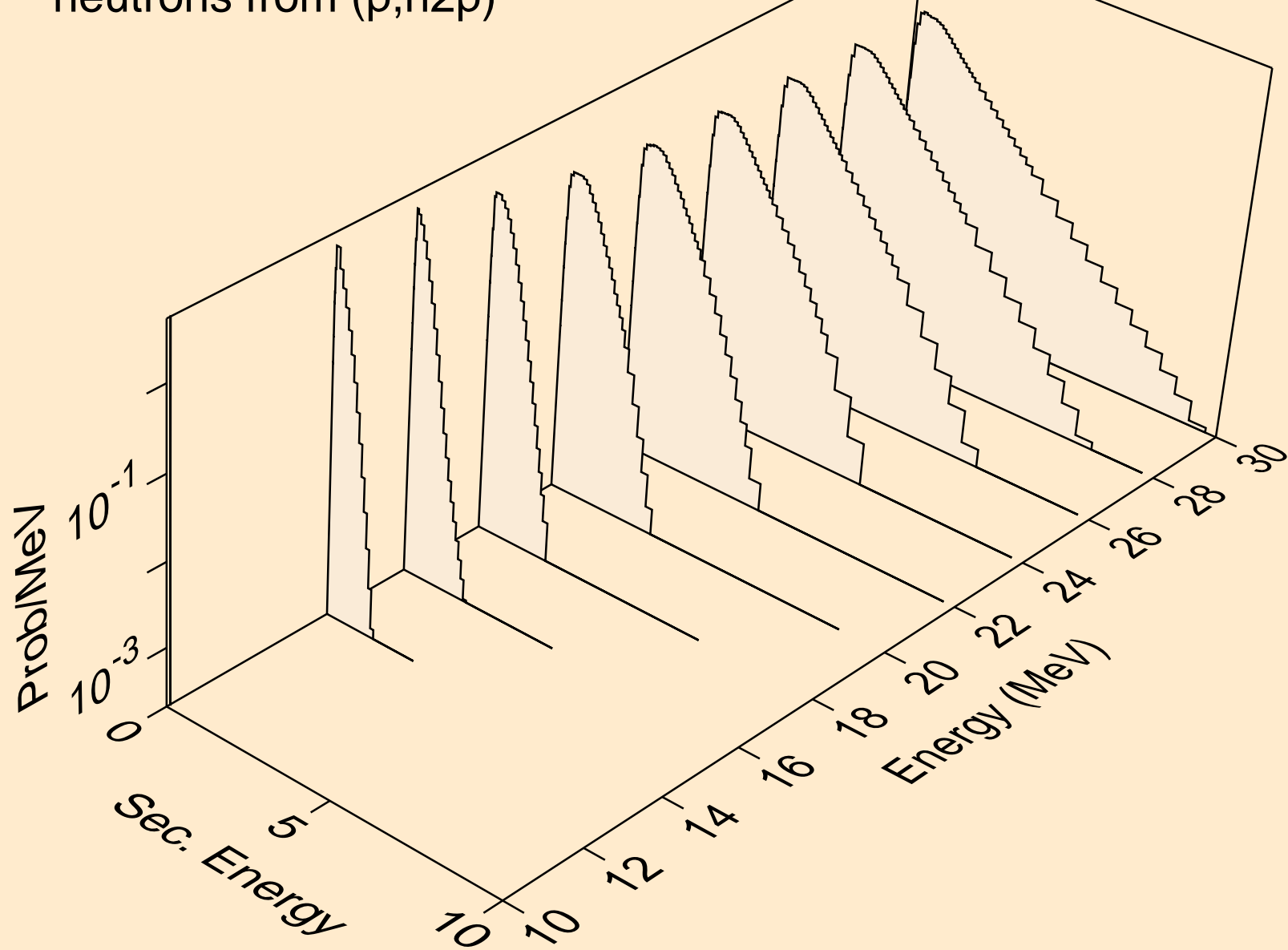




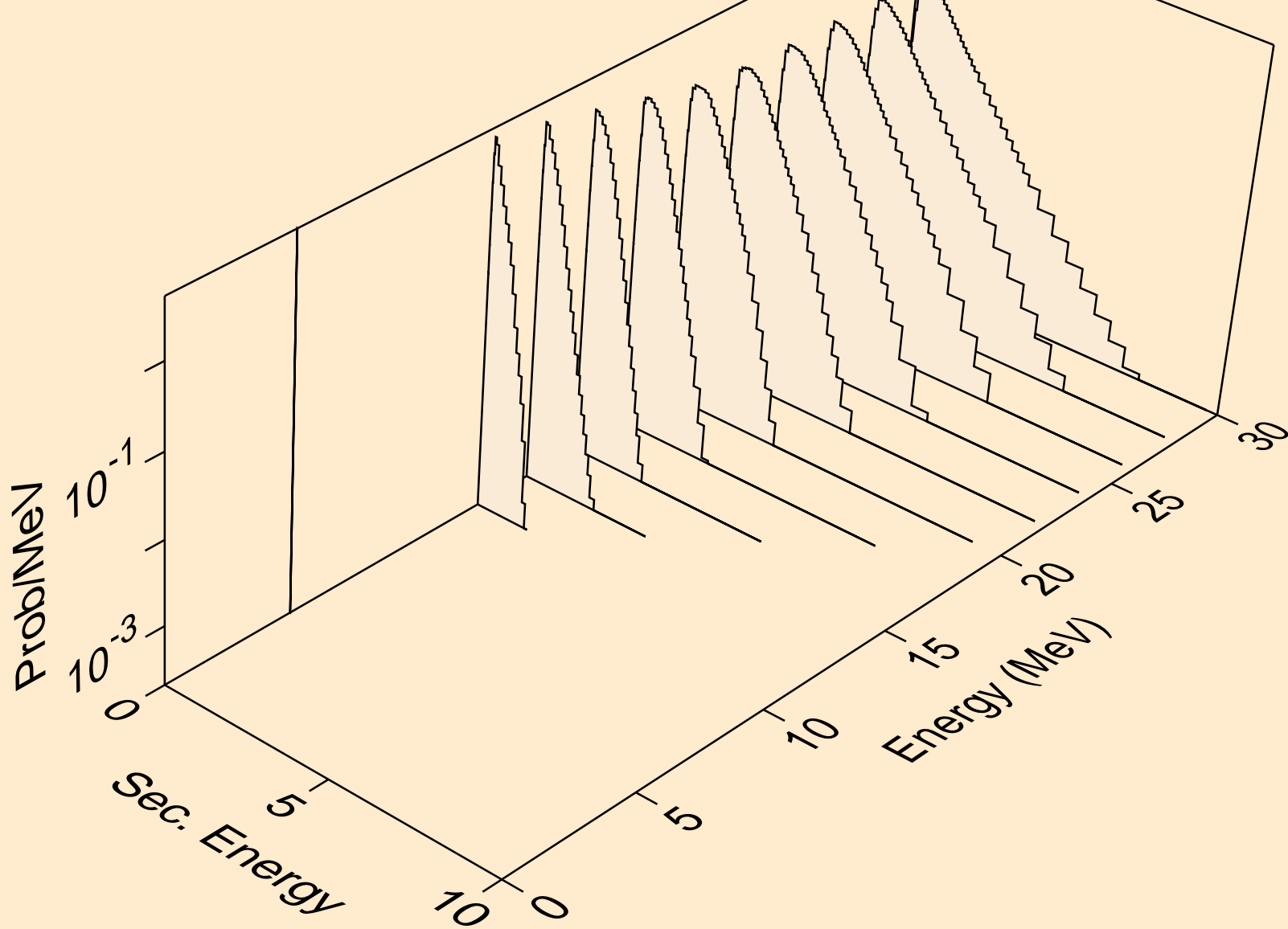
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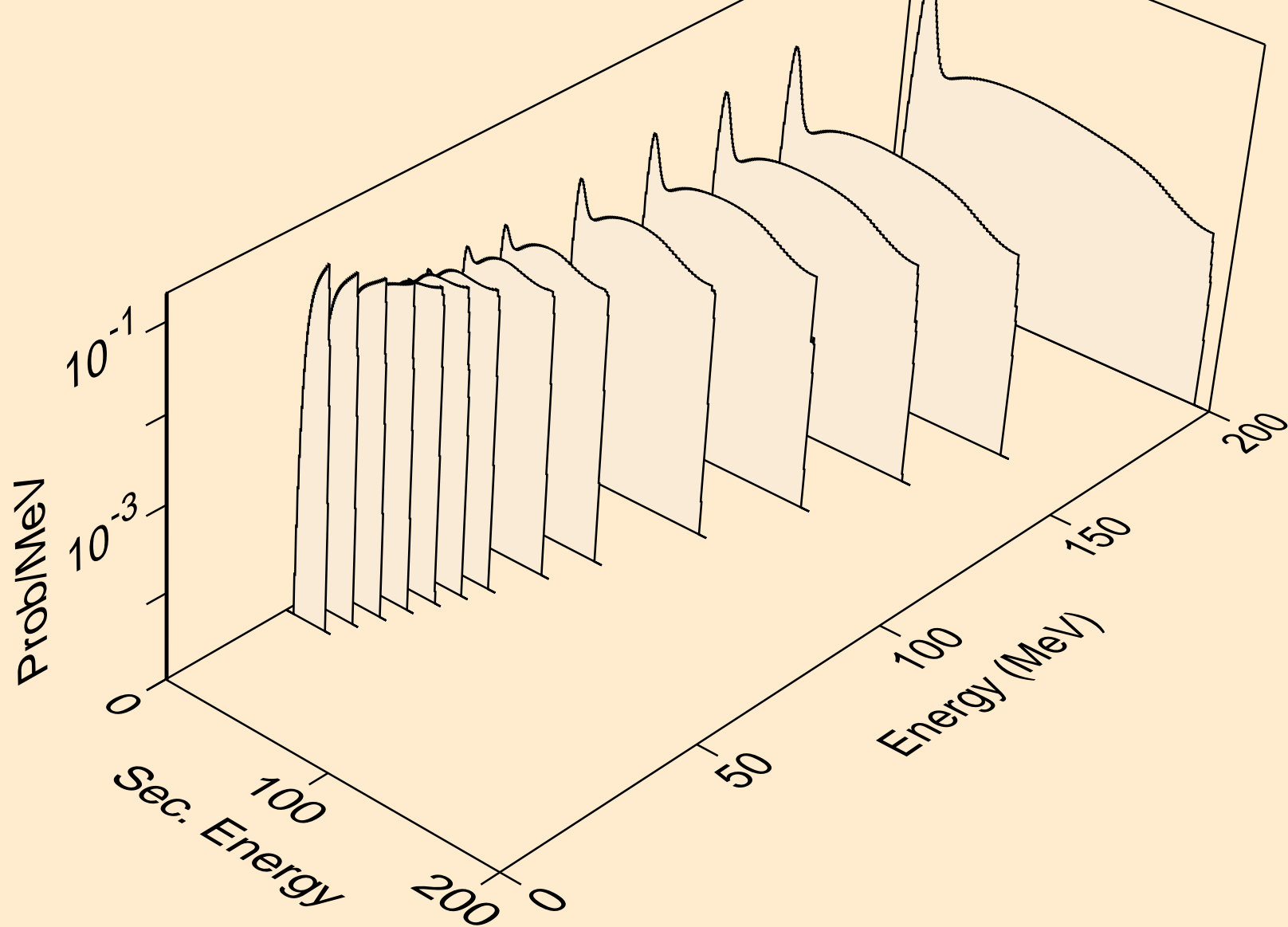
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n2p)



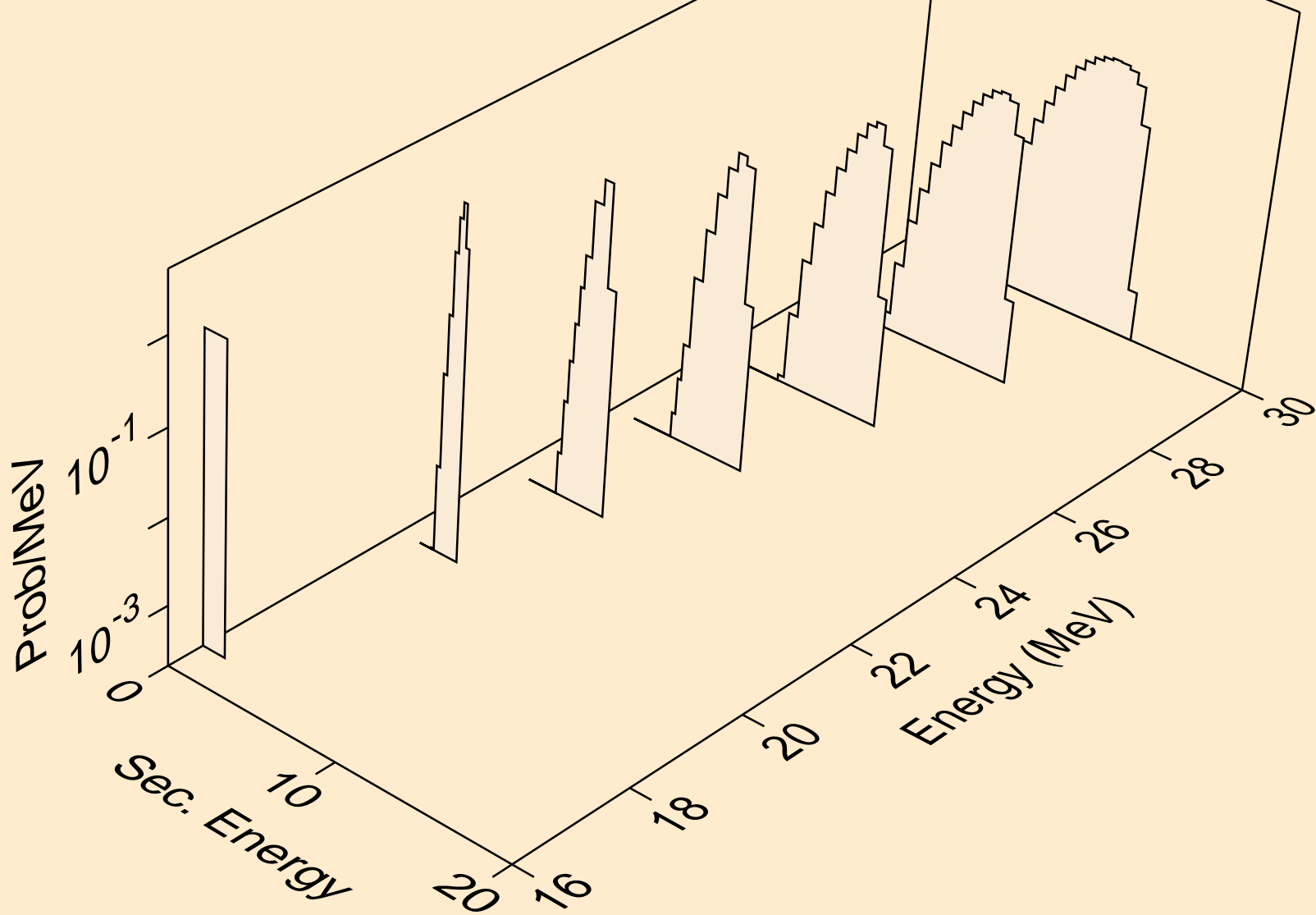
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,npa)



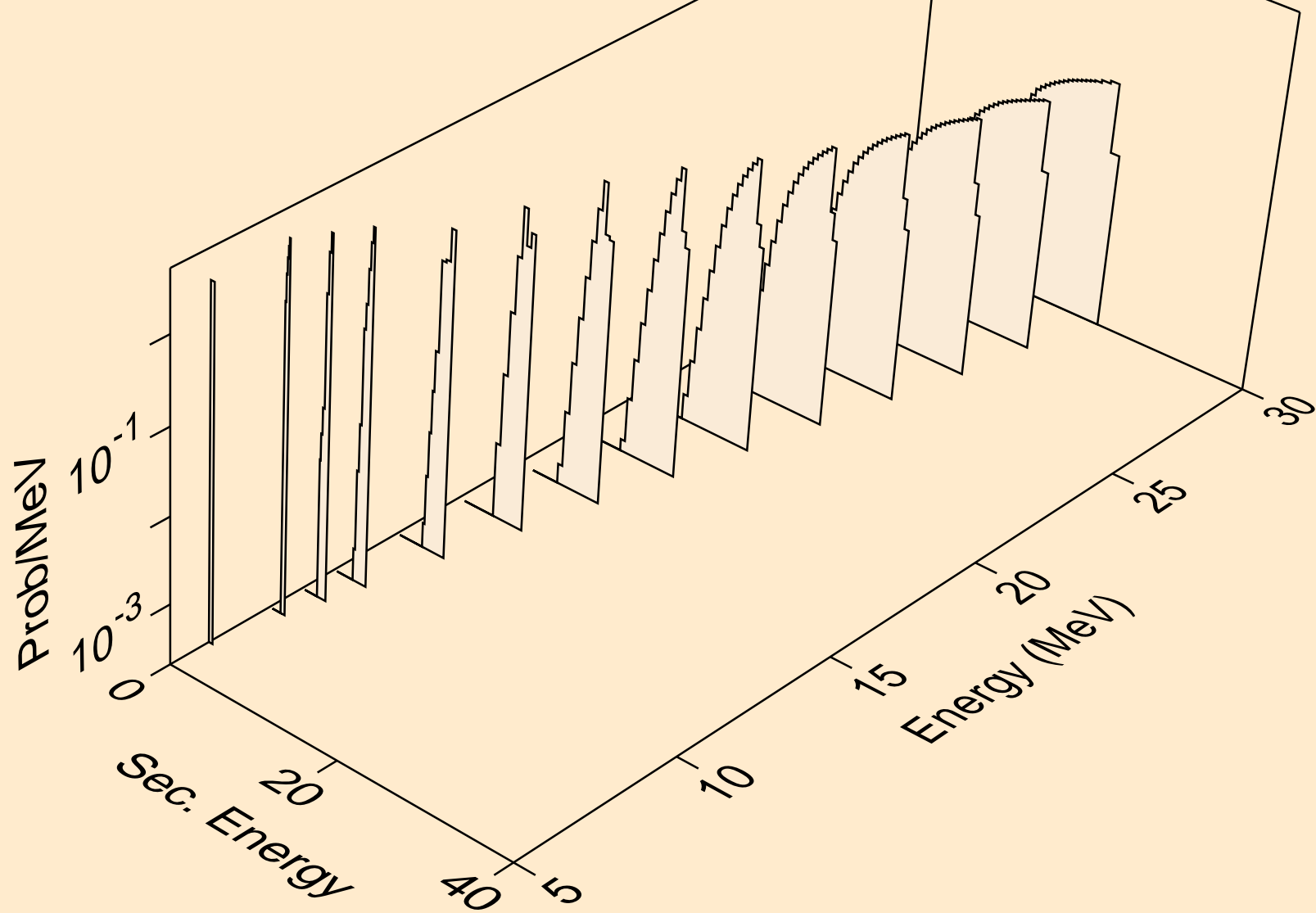
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,x)



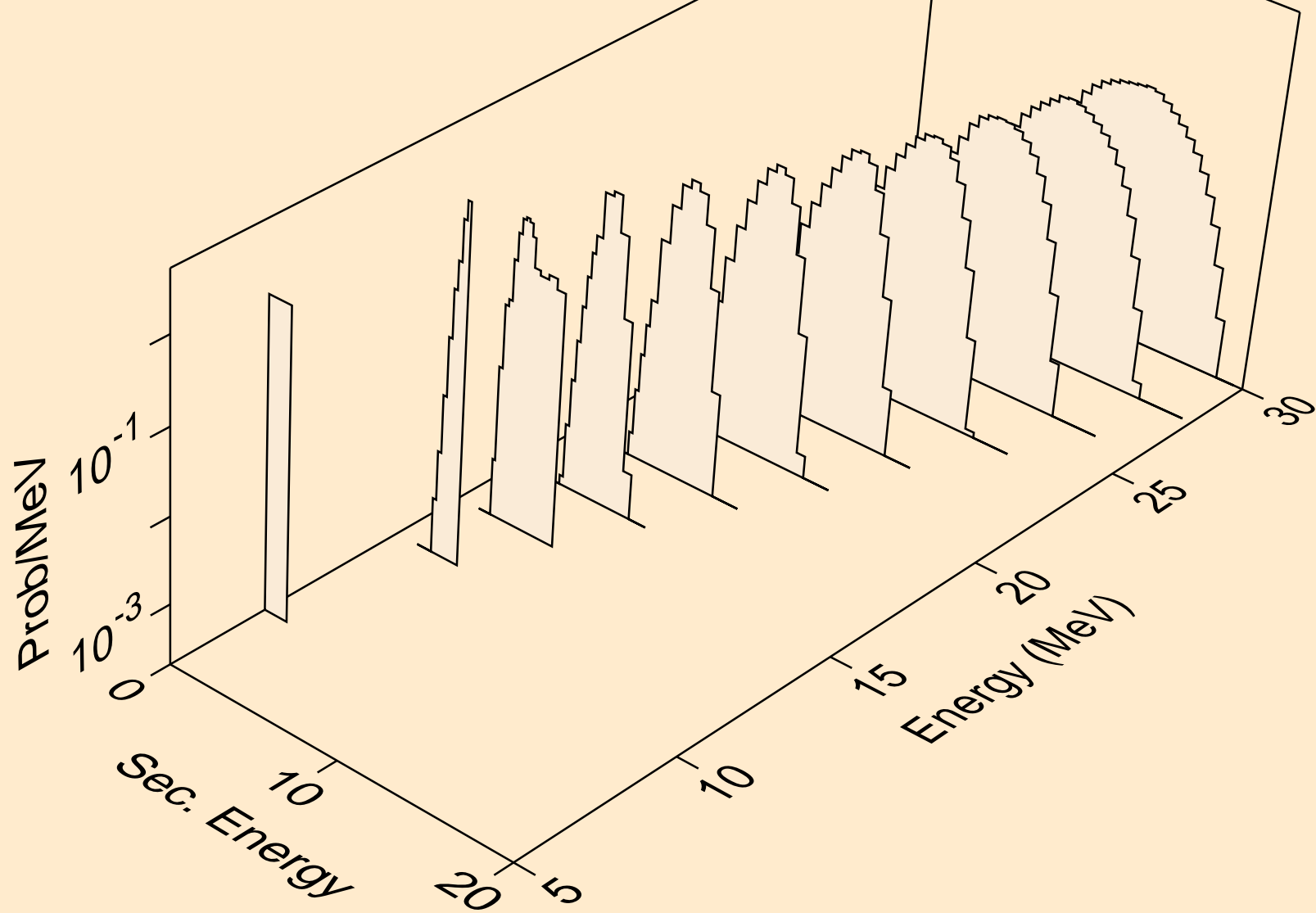
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,n\*)d



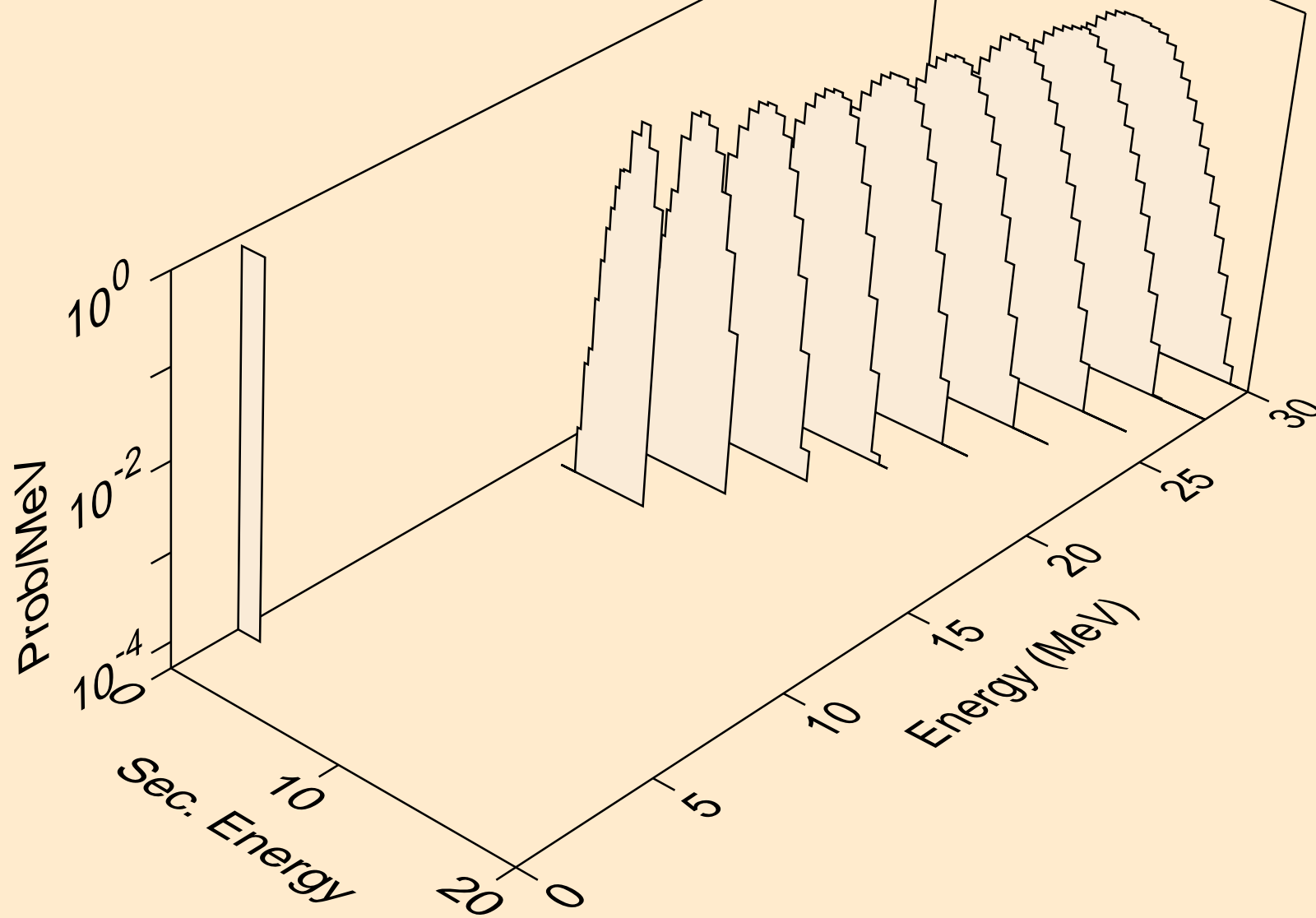
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,d)



LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,pd)

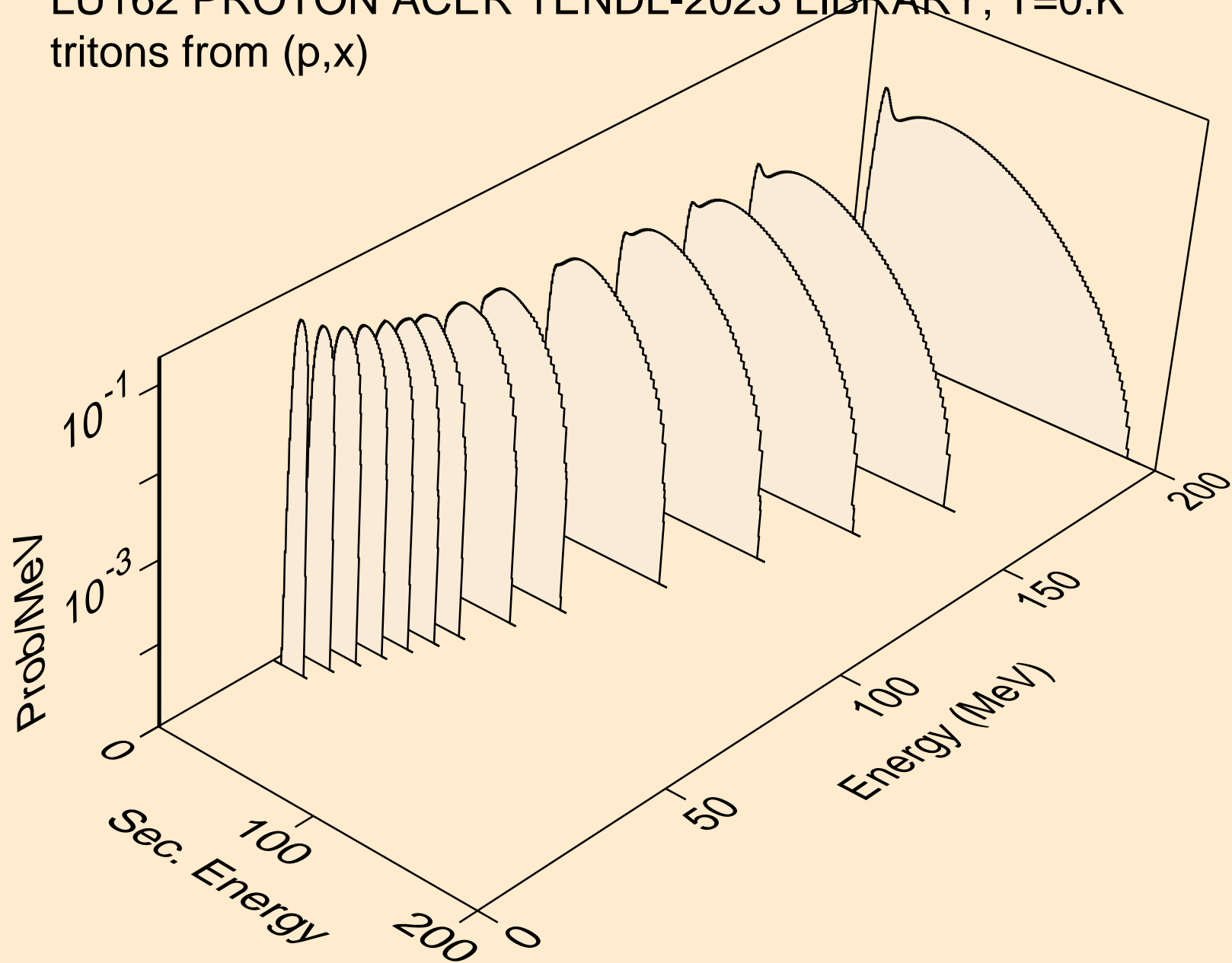


LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,da)

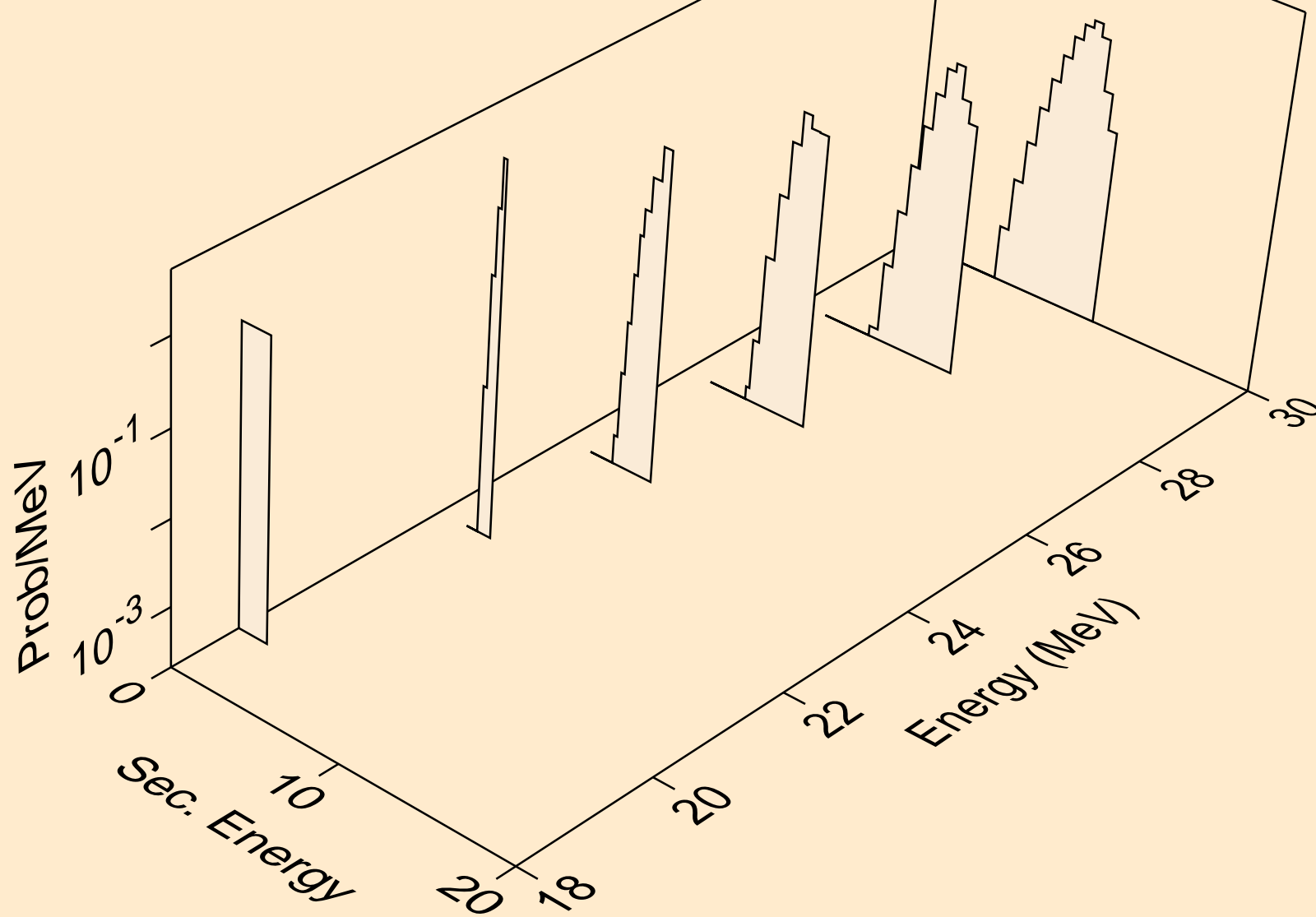




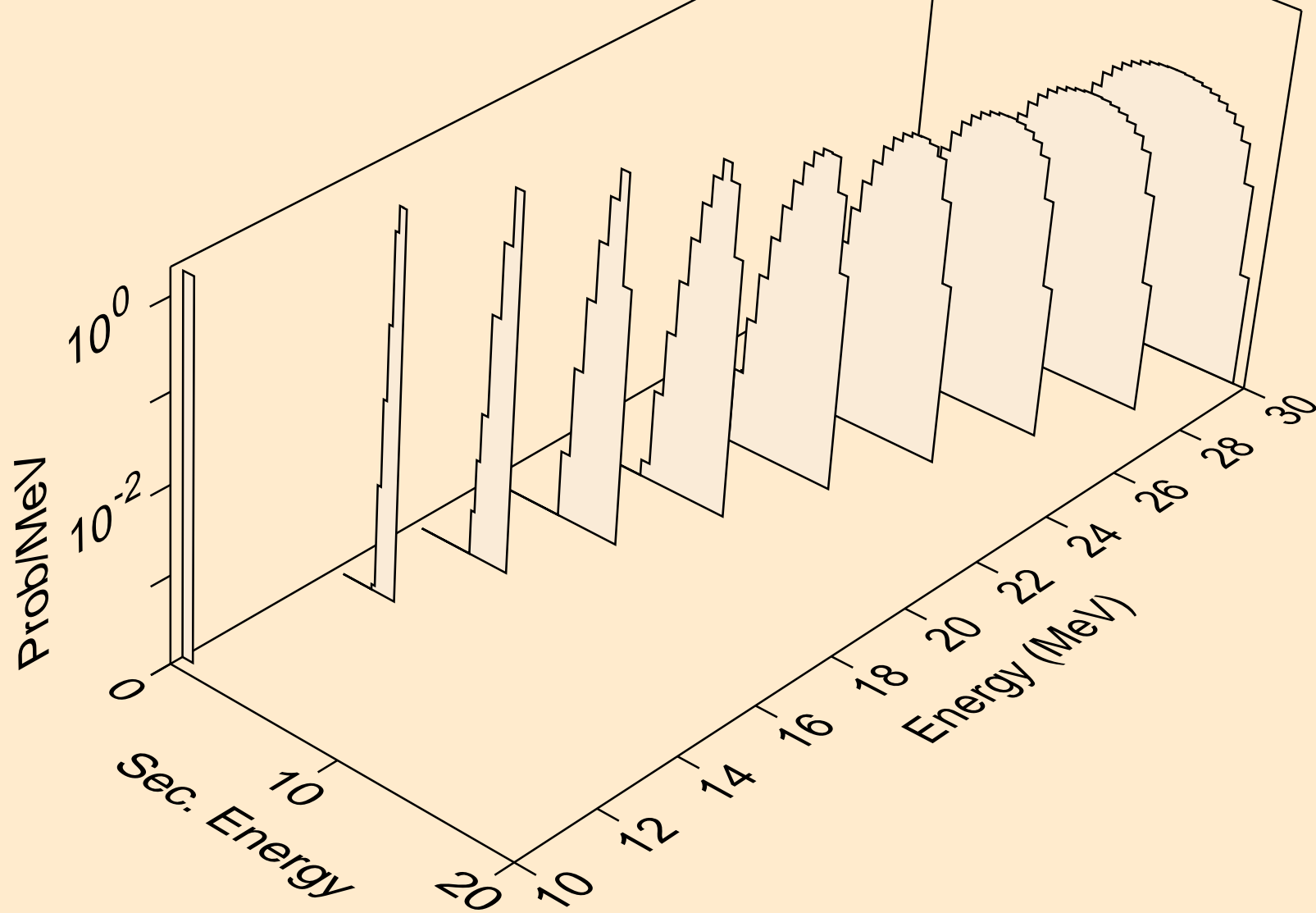
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)



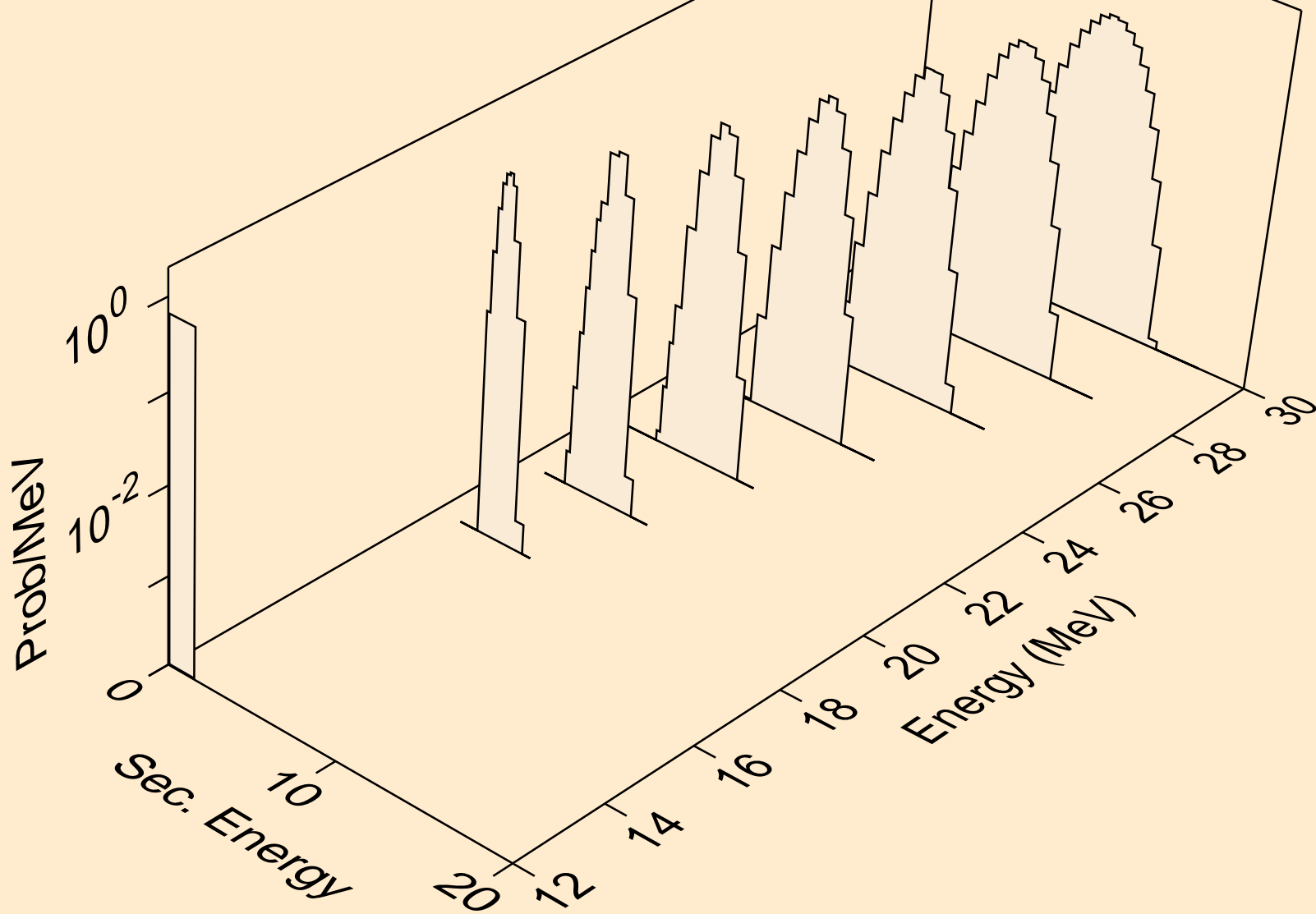
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,n\*)t



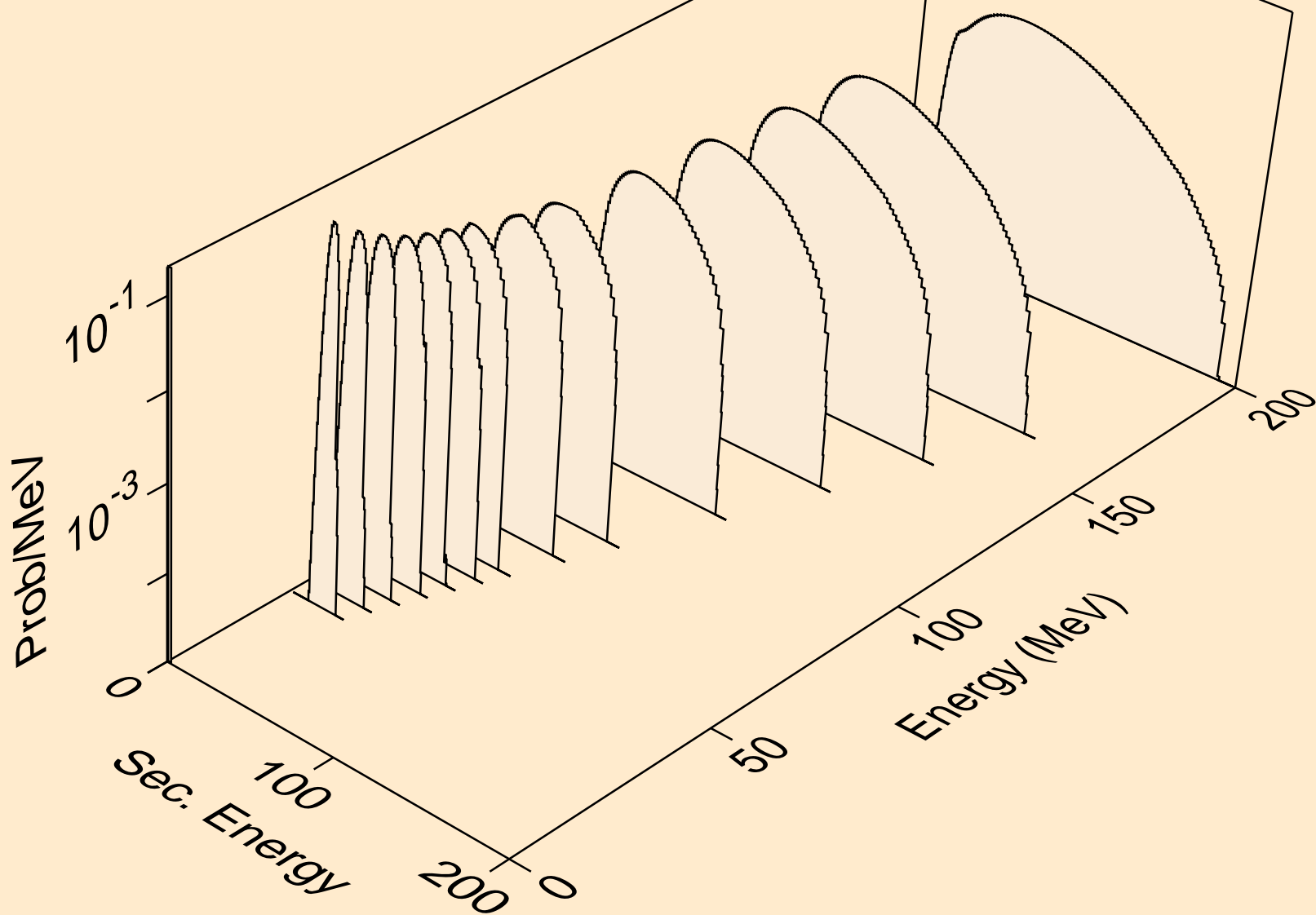
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tritons from (p,t)



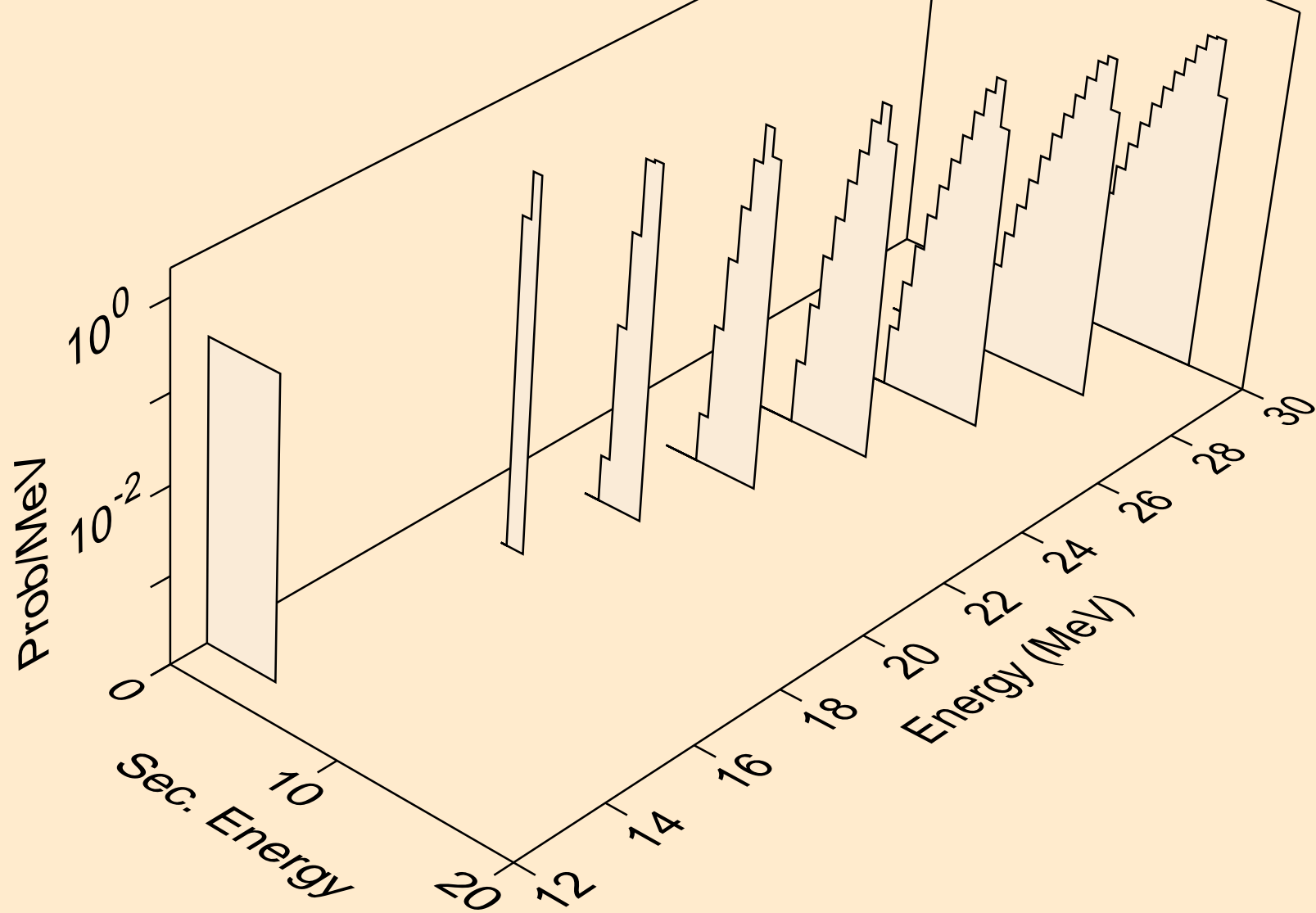
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tritons from (p,pt)



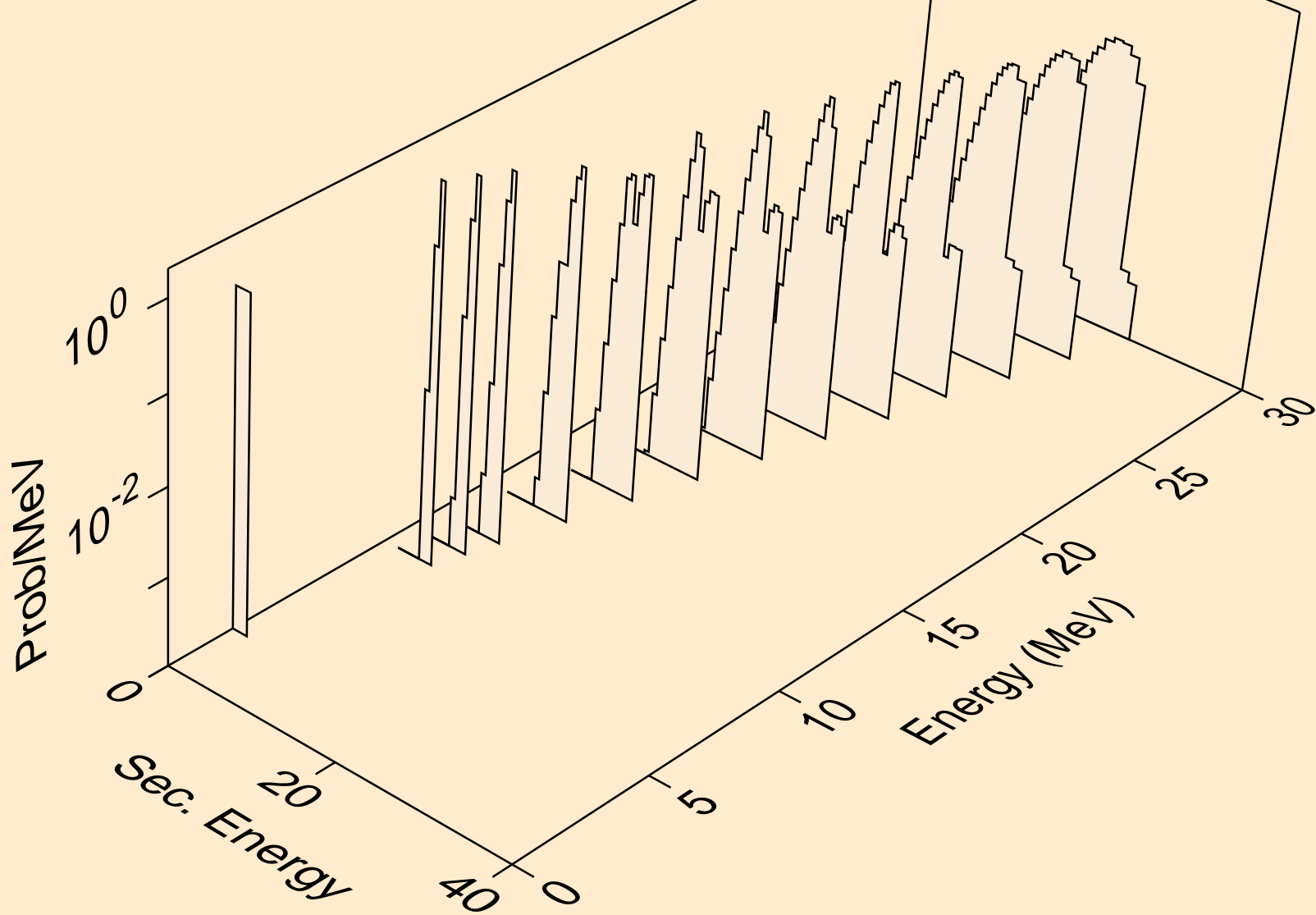
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)



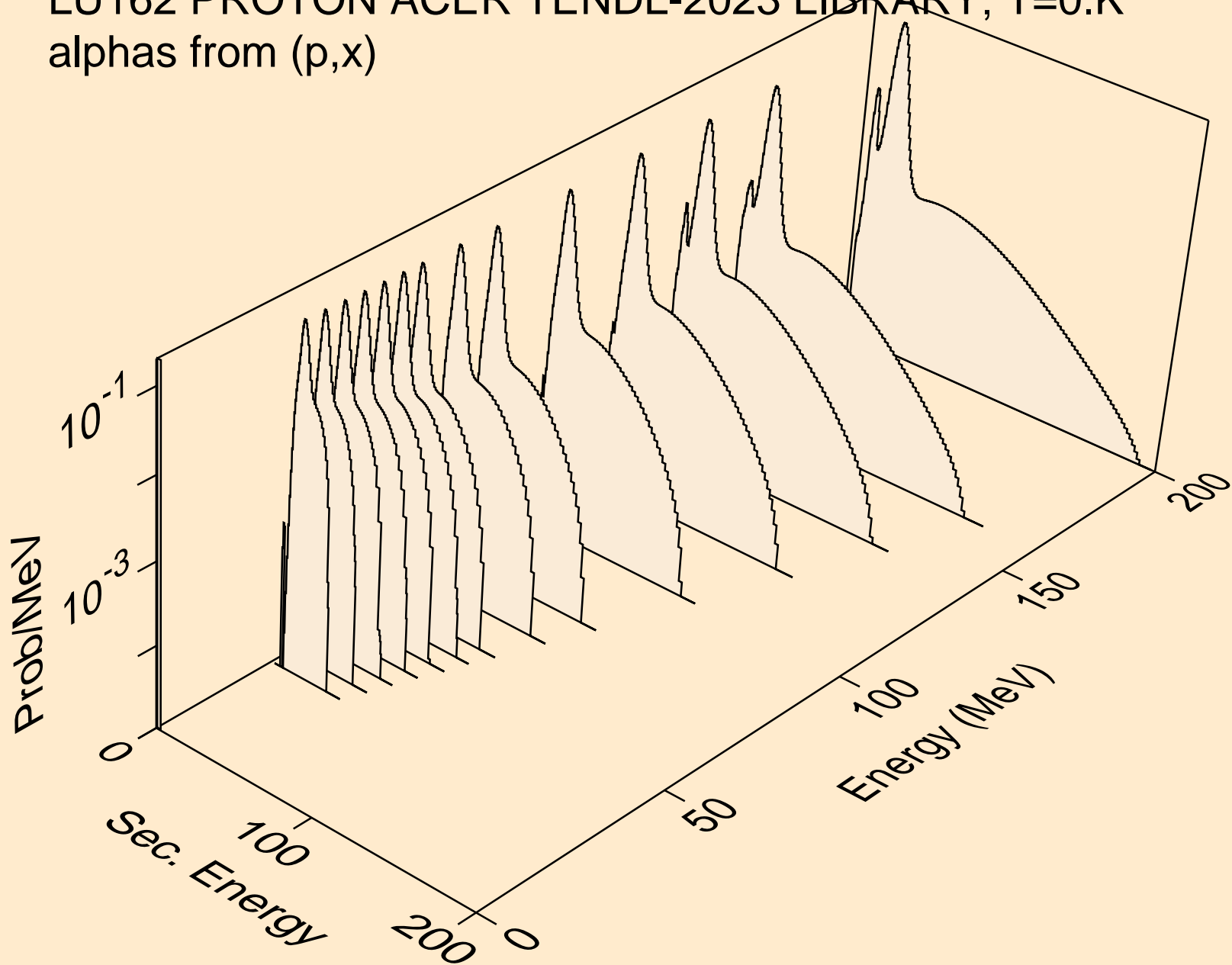
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3



LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,he3)

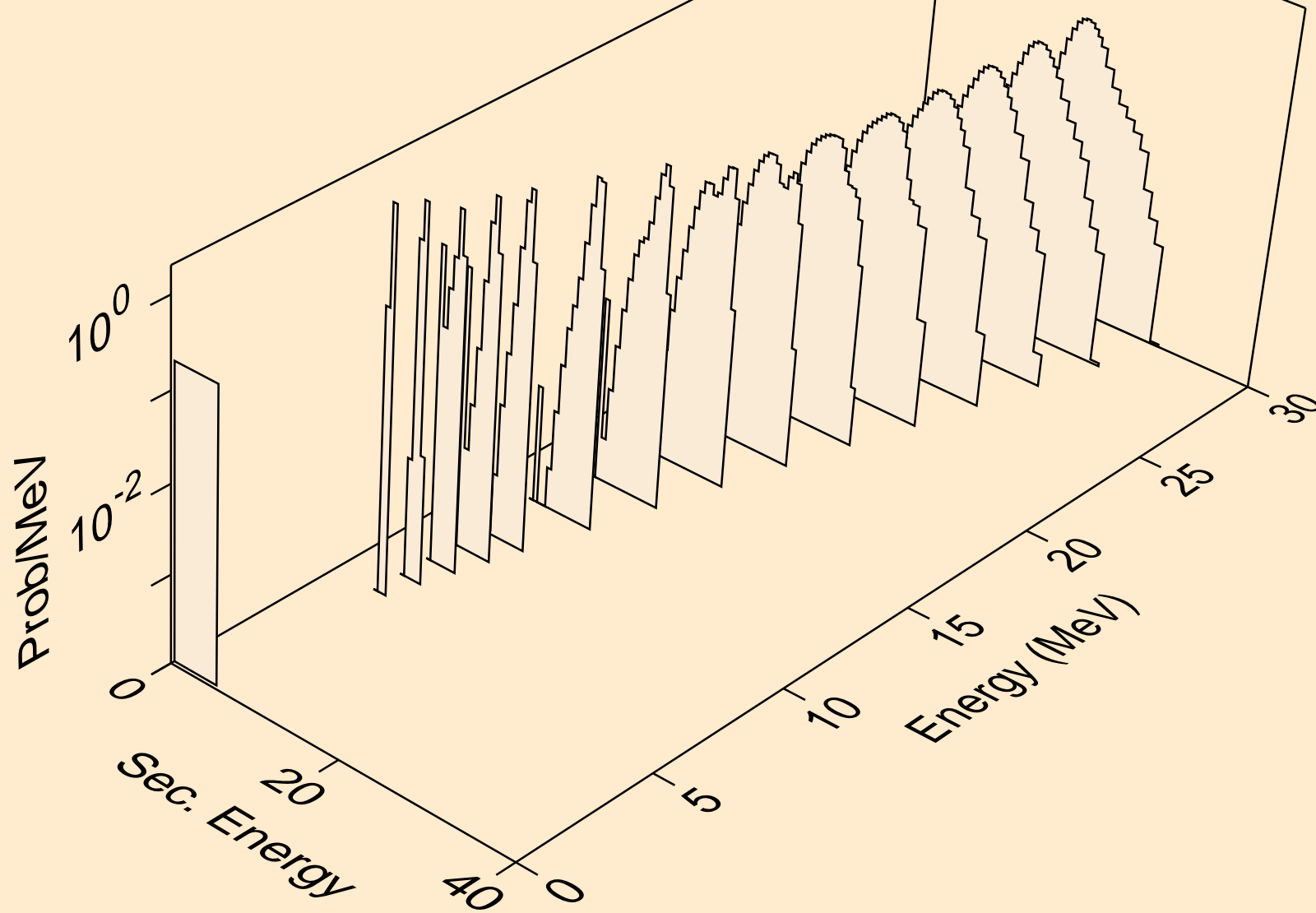


LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)

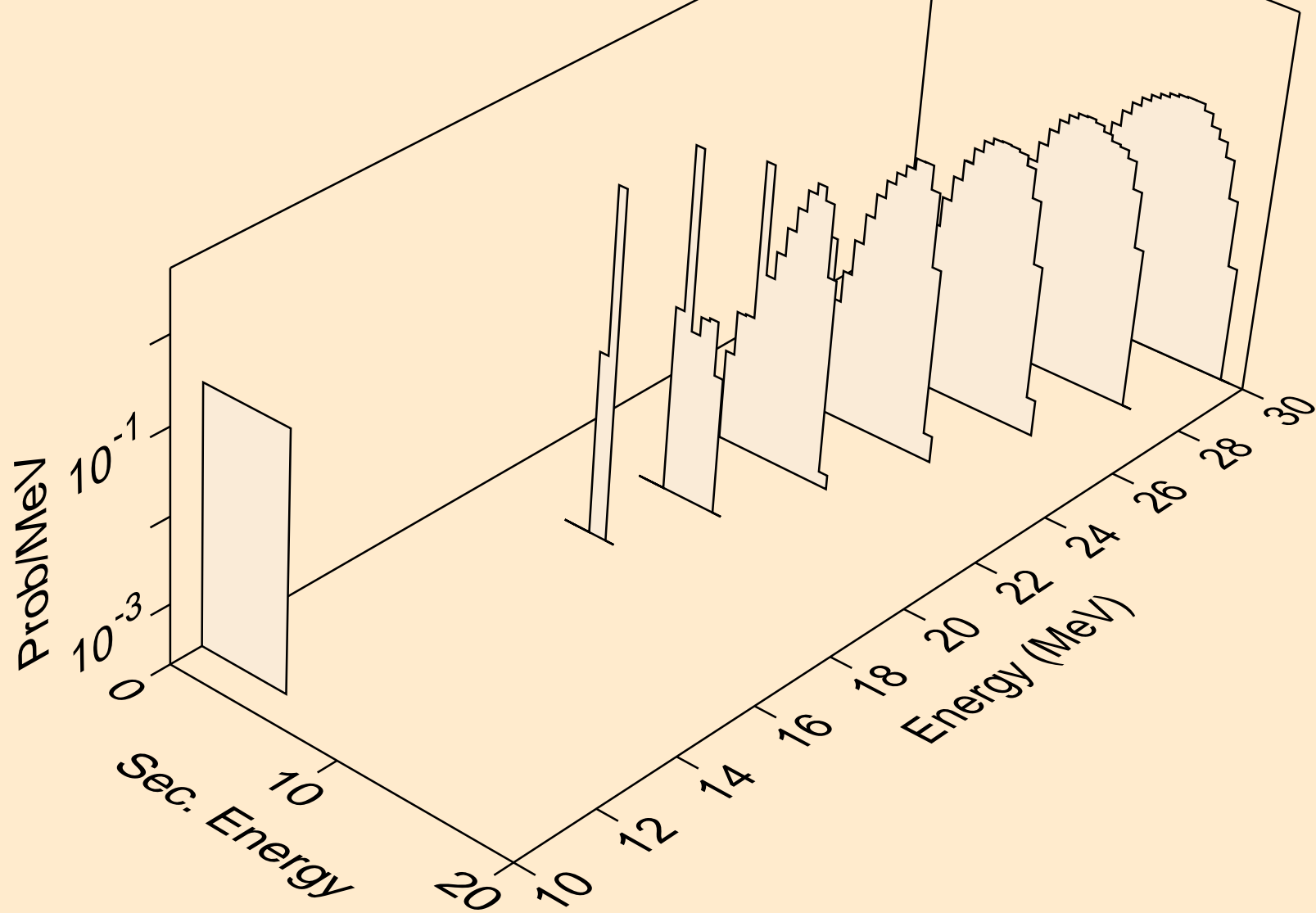




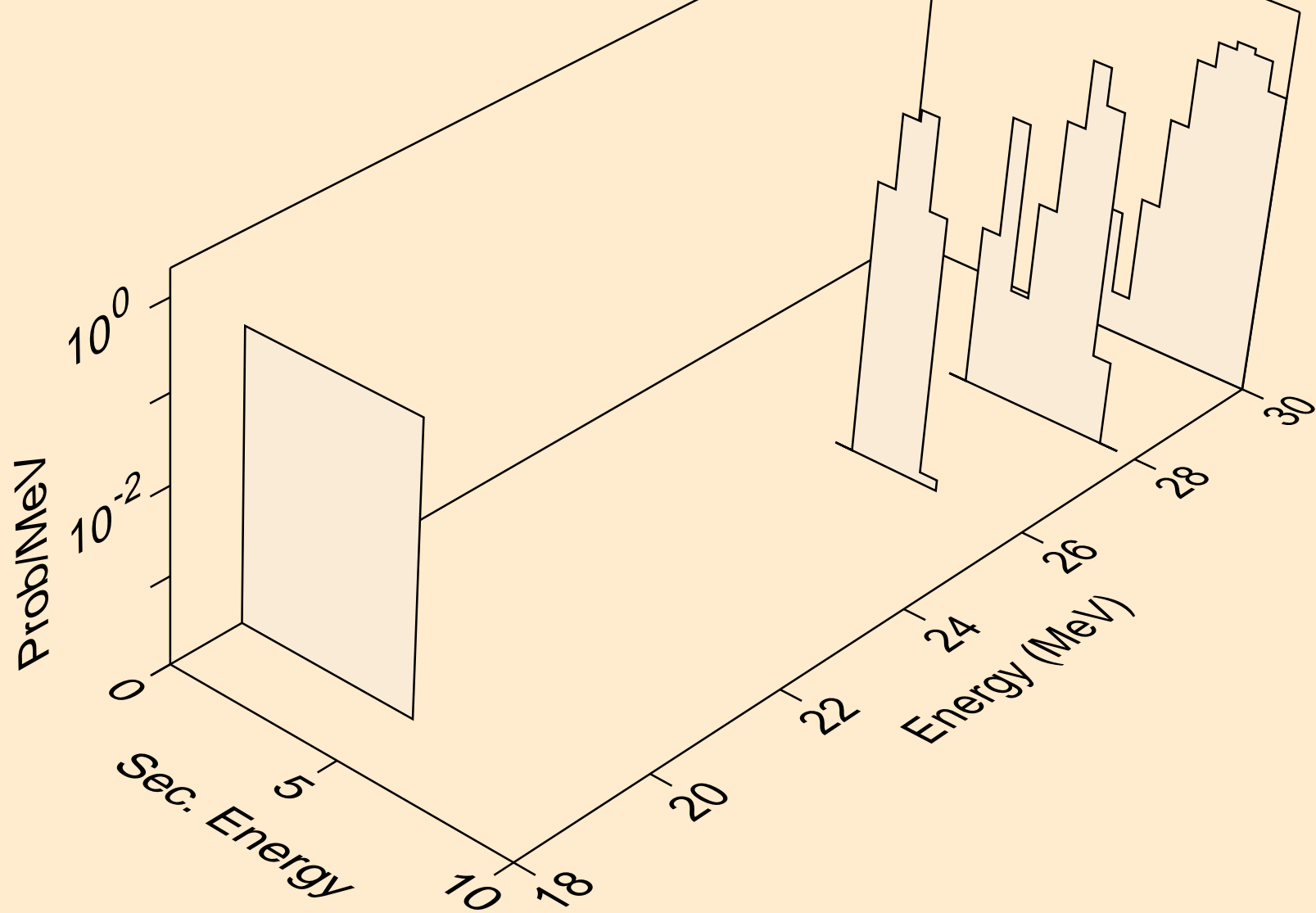
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a



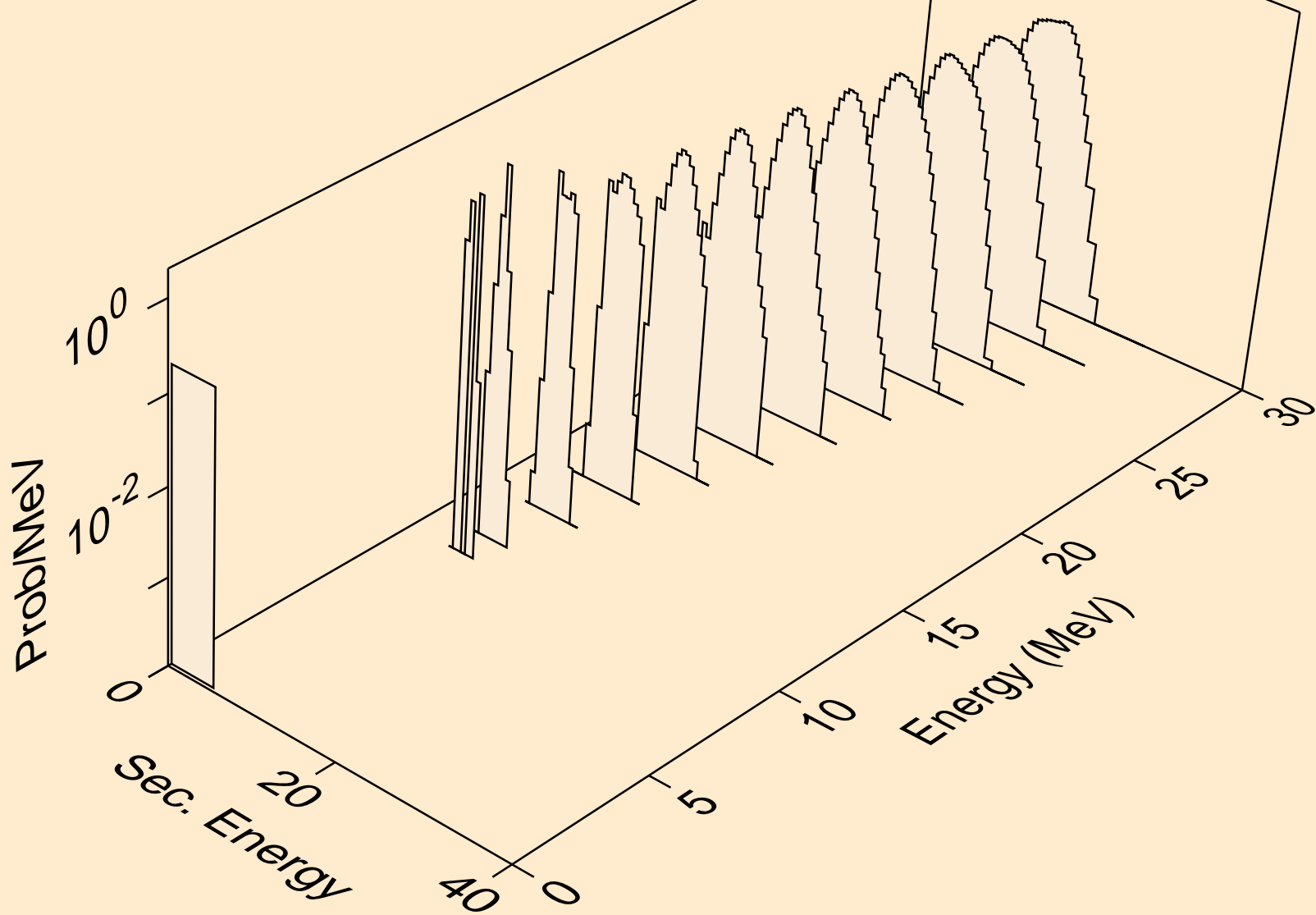
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)a



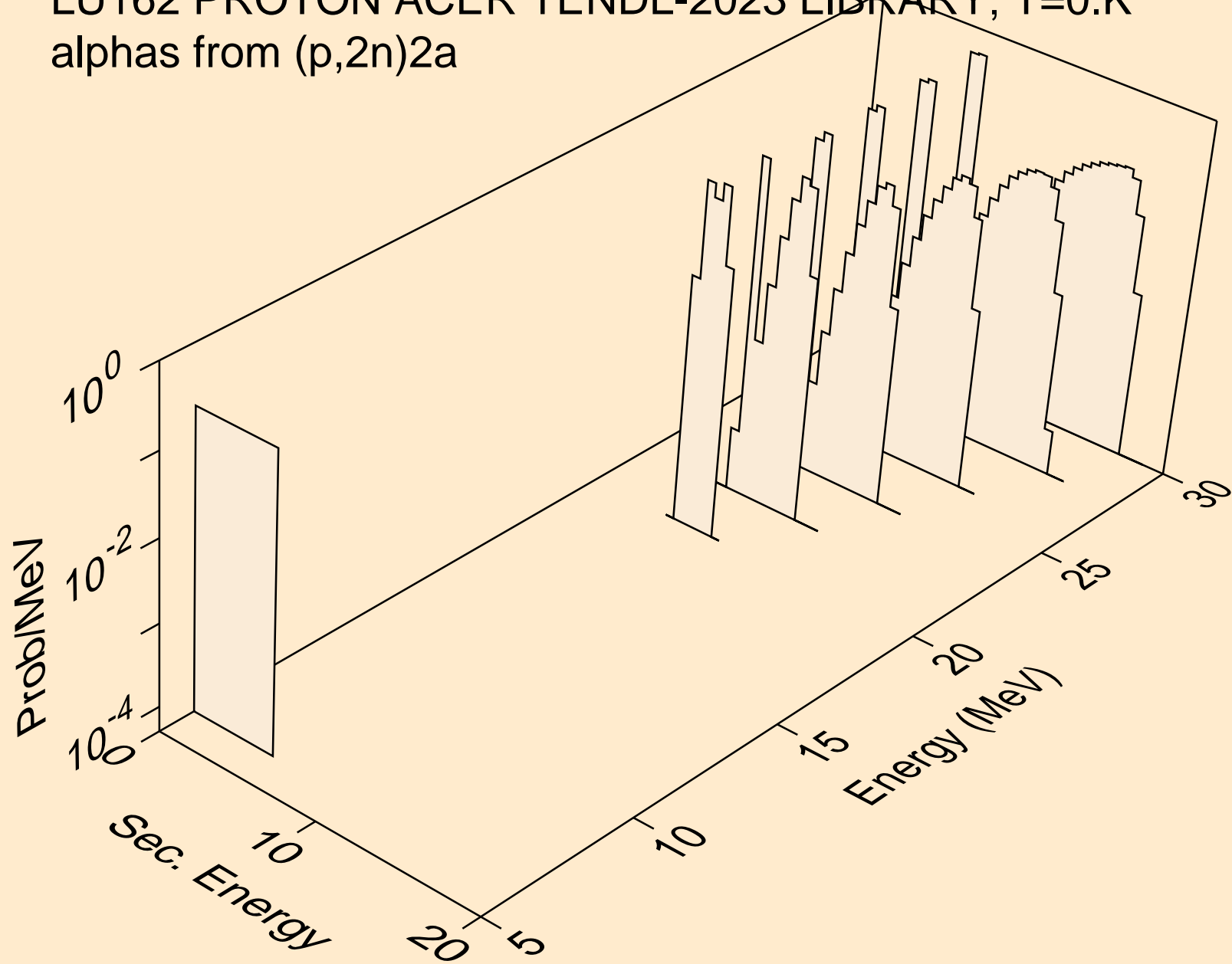
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alphas from (p,3n)a



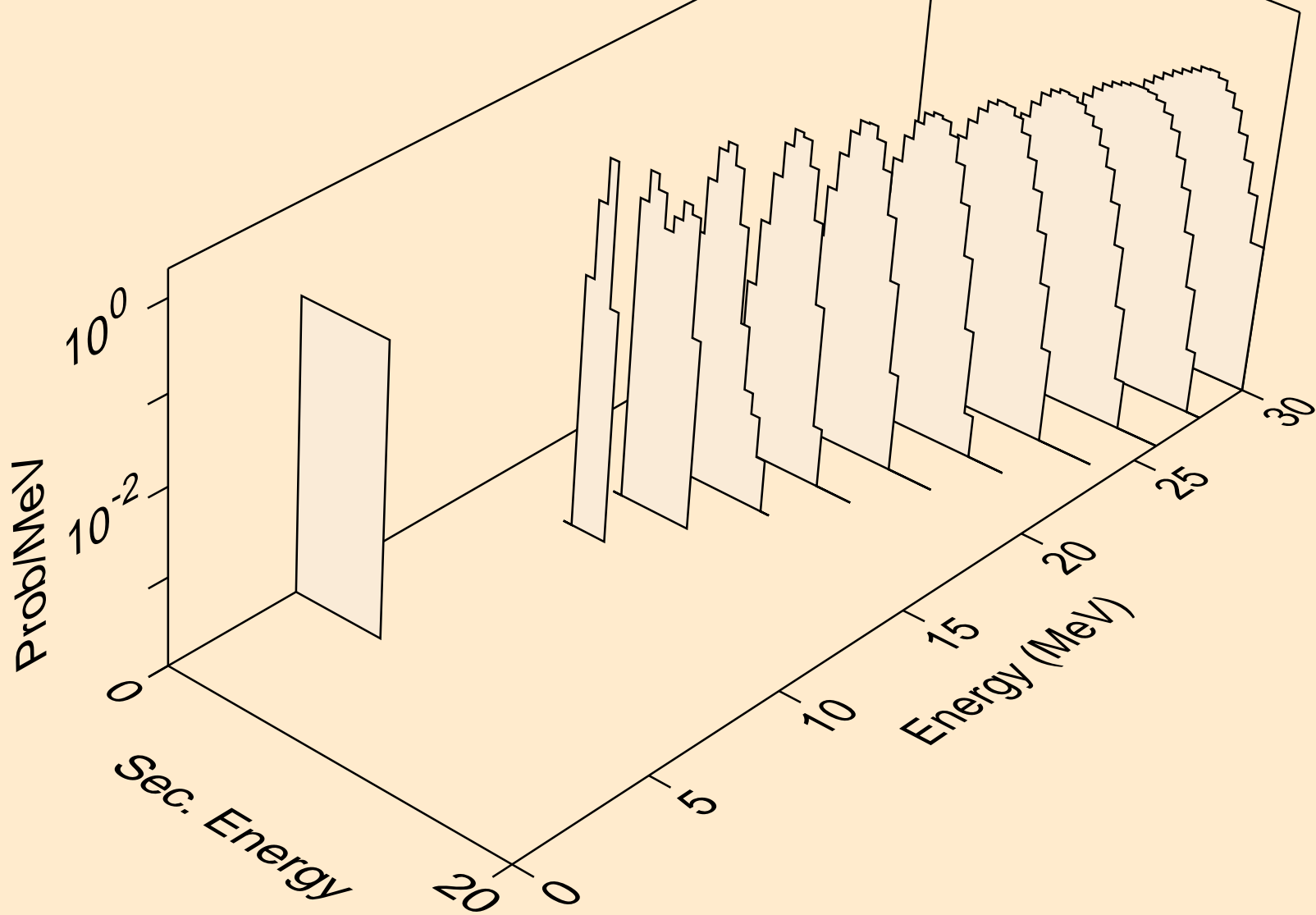
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)2a



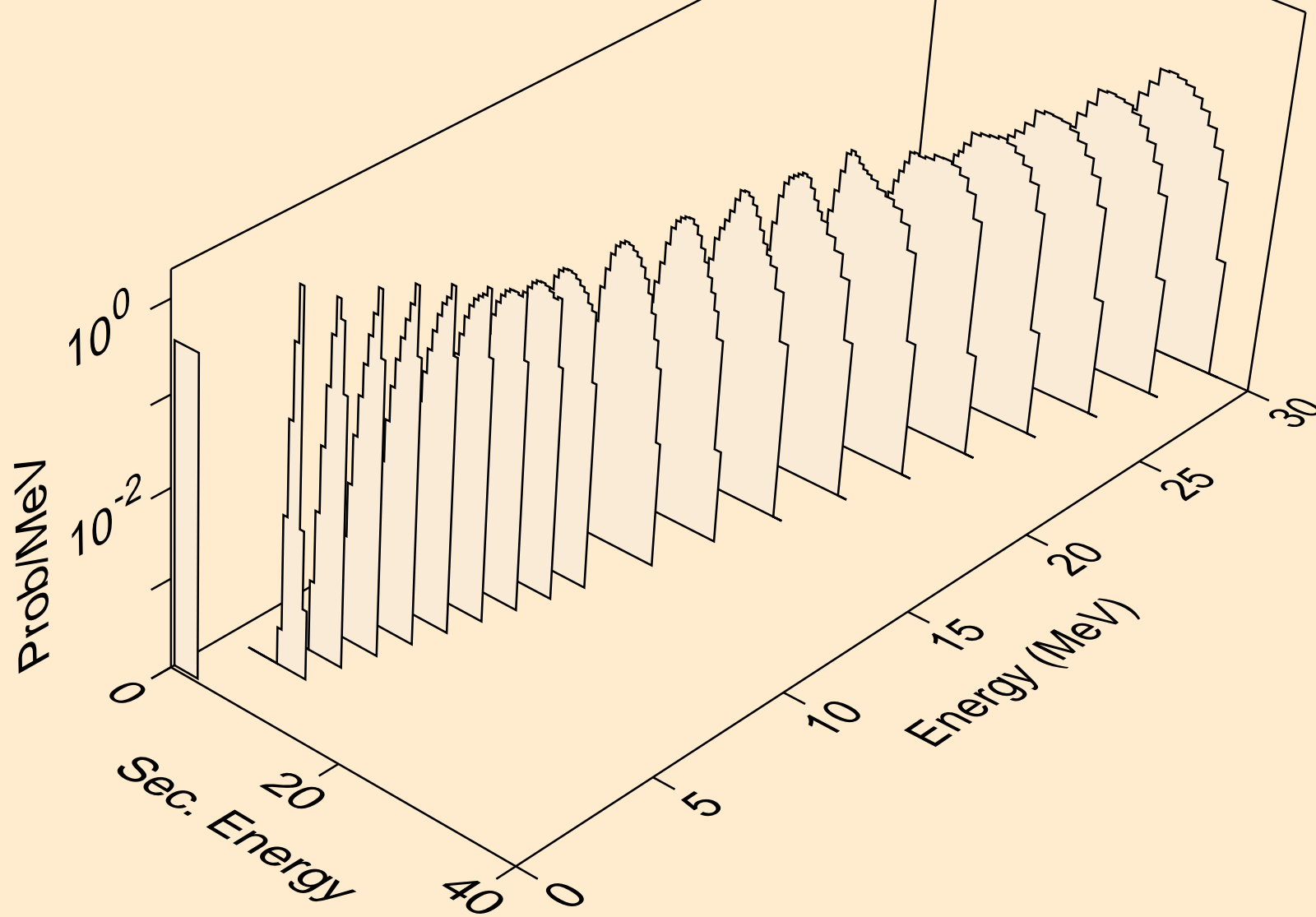
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)2a



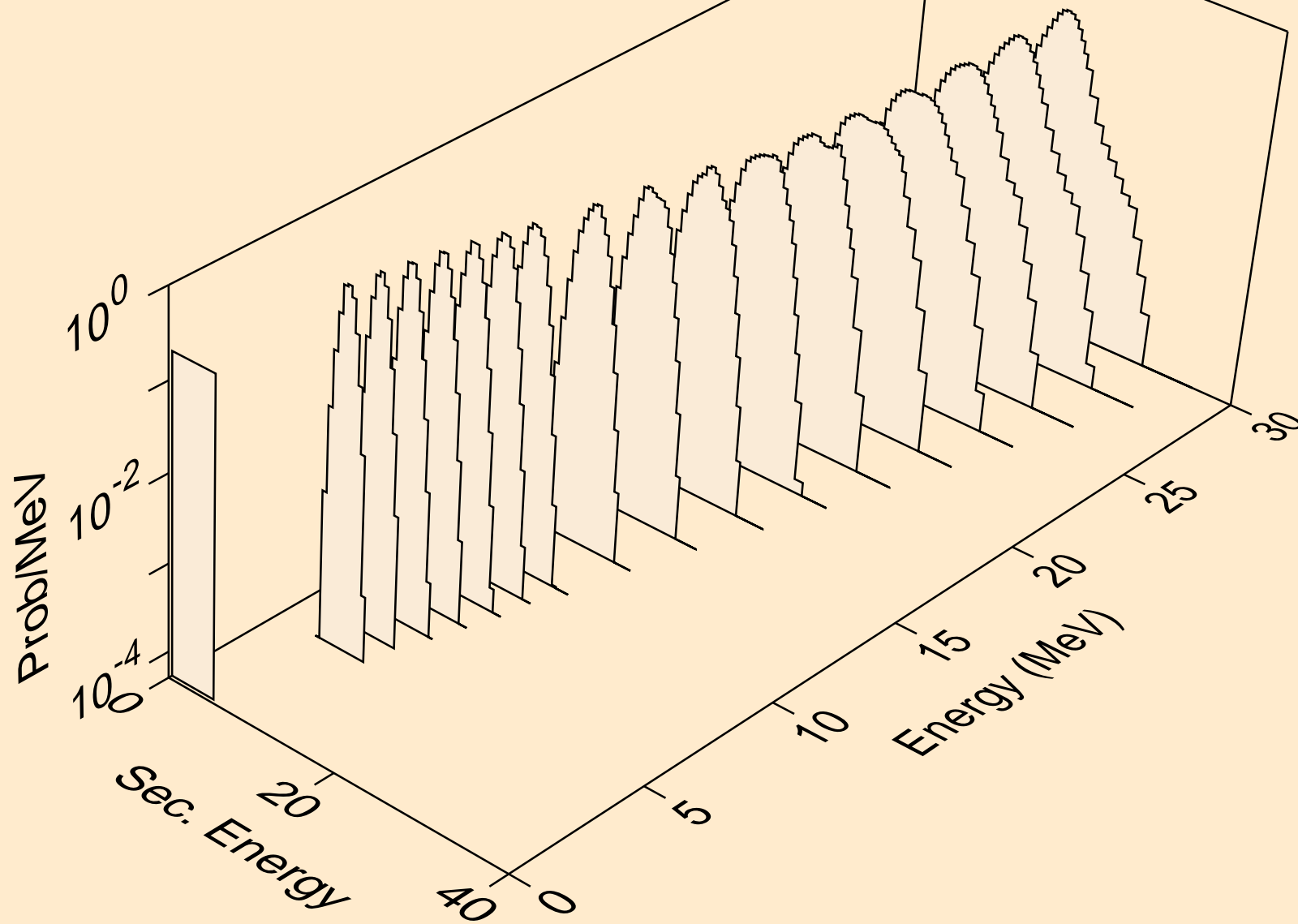
LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,npa)



LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)

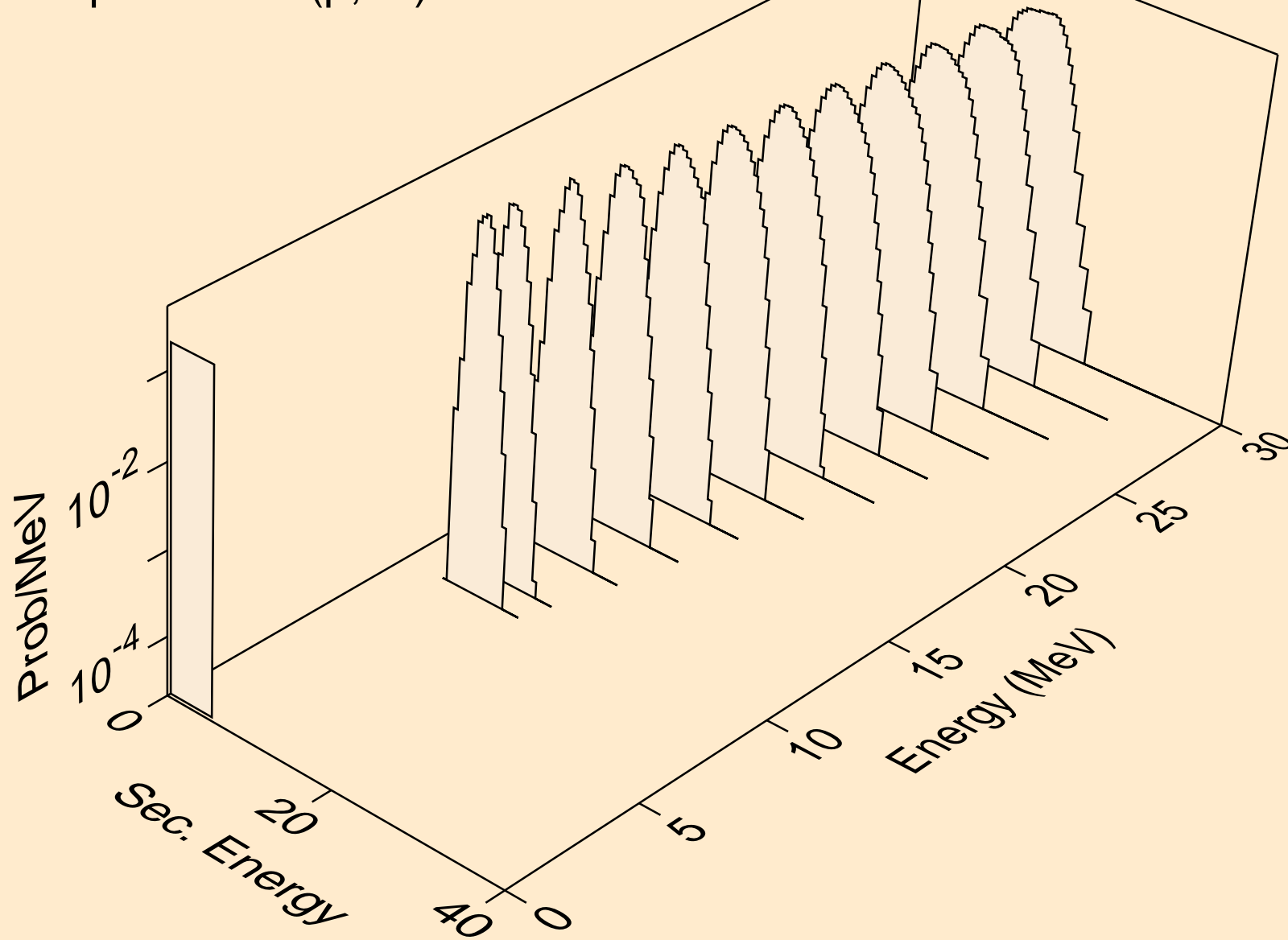


LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2a)

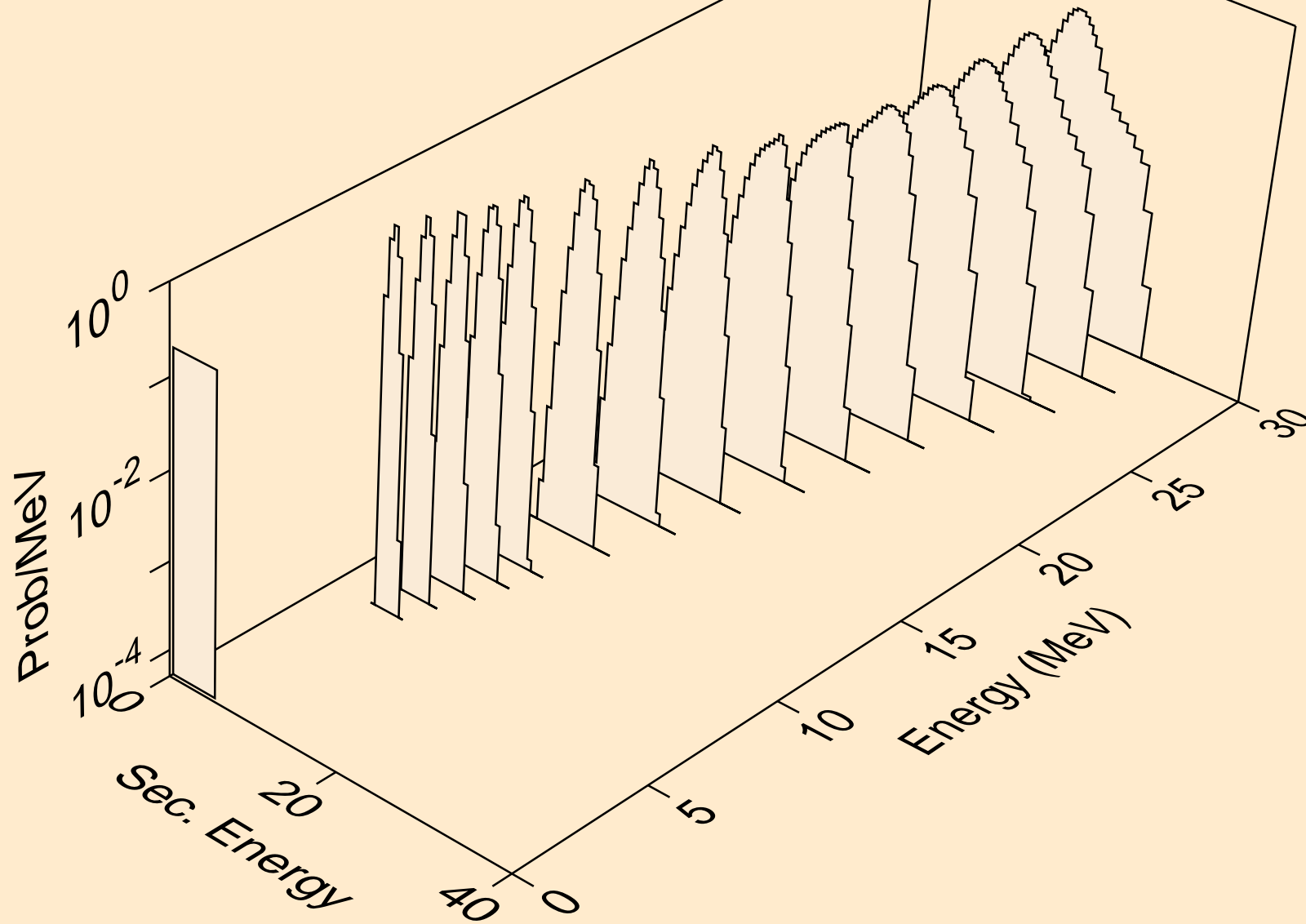




LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3a)



LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)



LU162 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,da)

