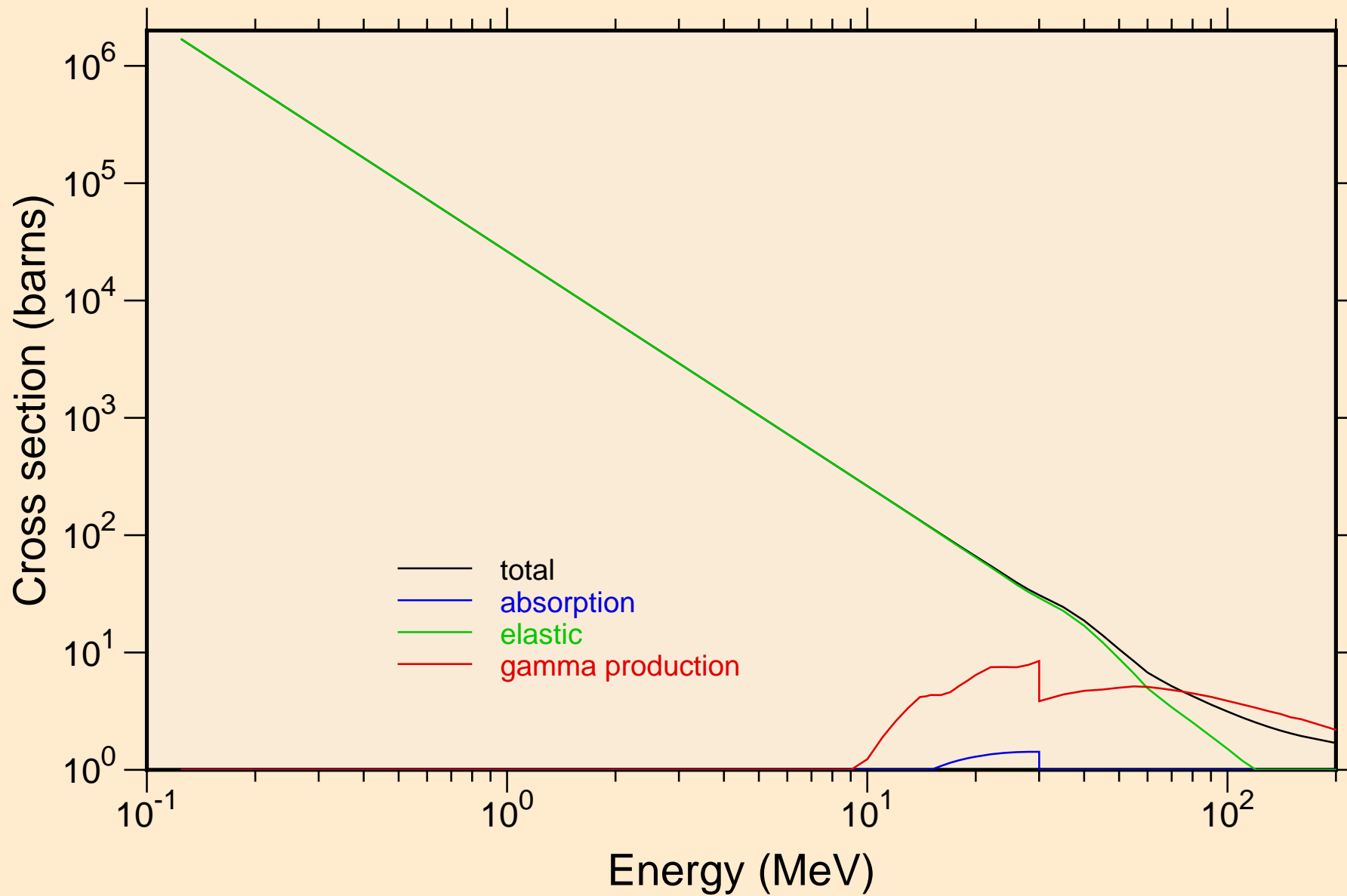
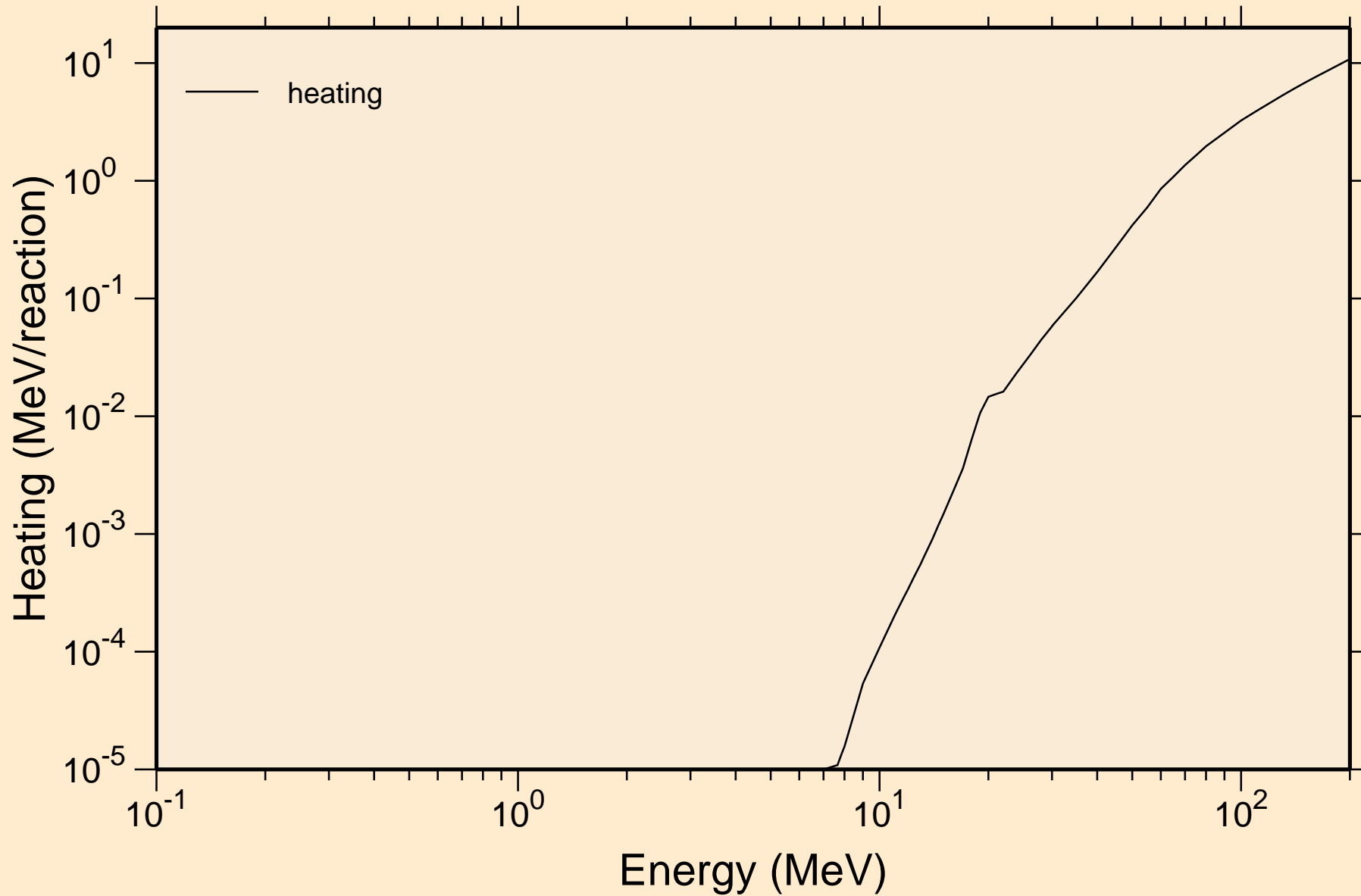


TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



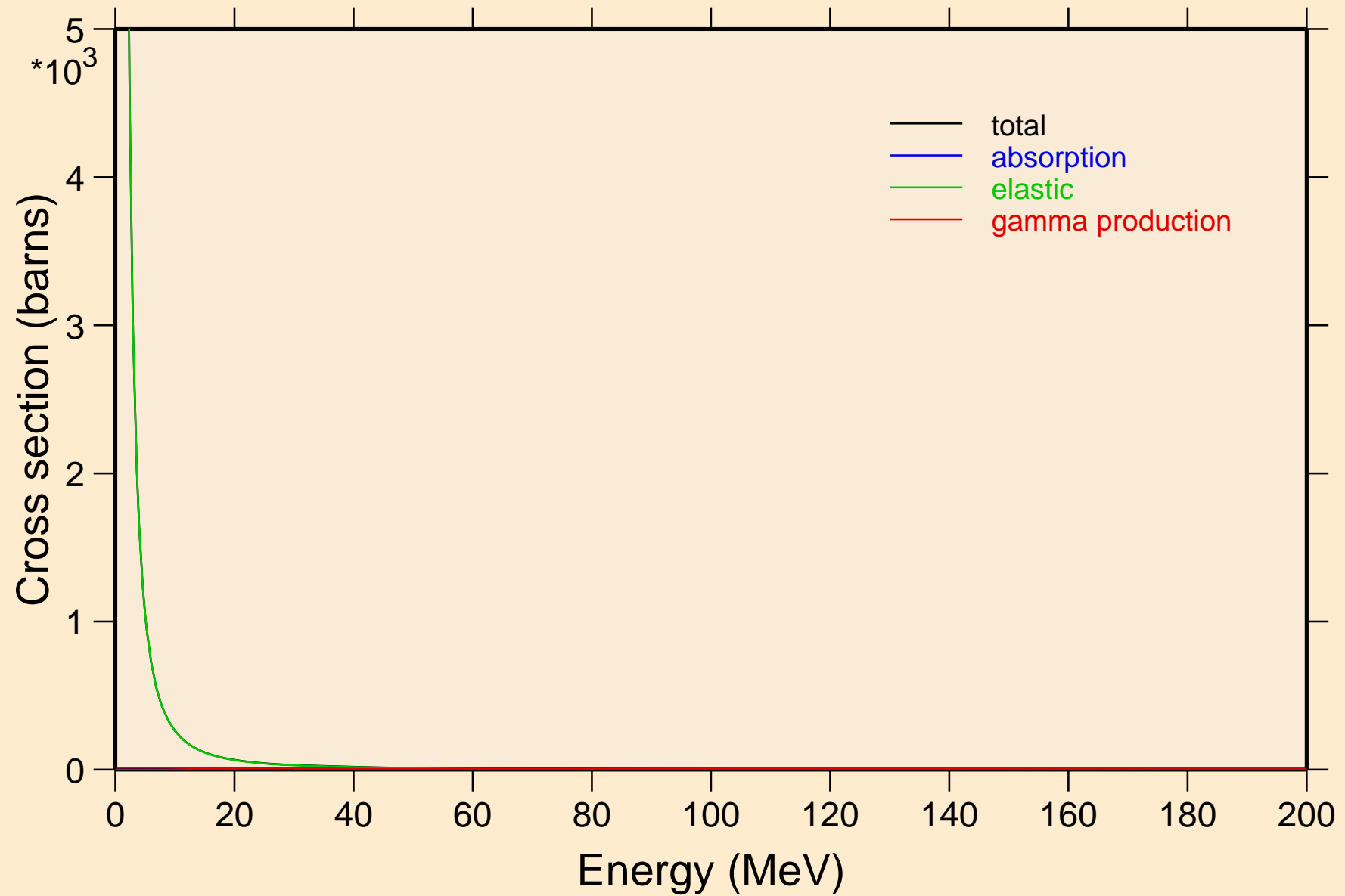
# TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



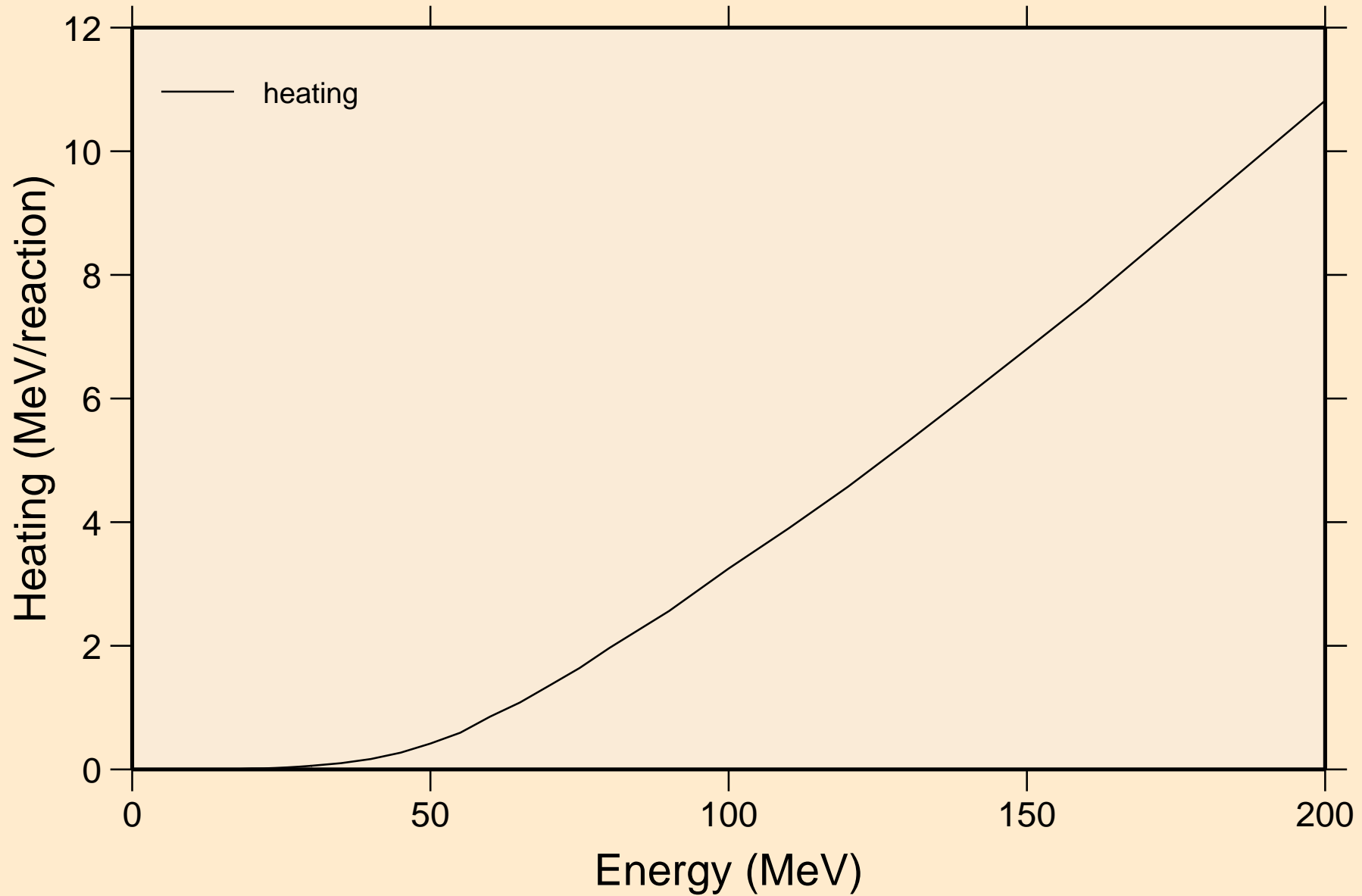
# TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



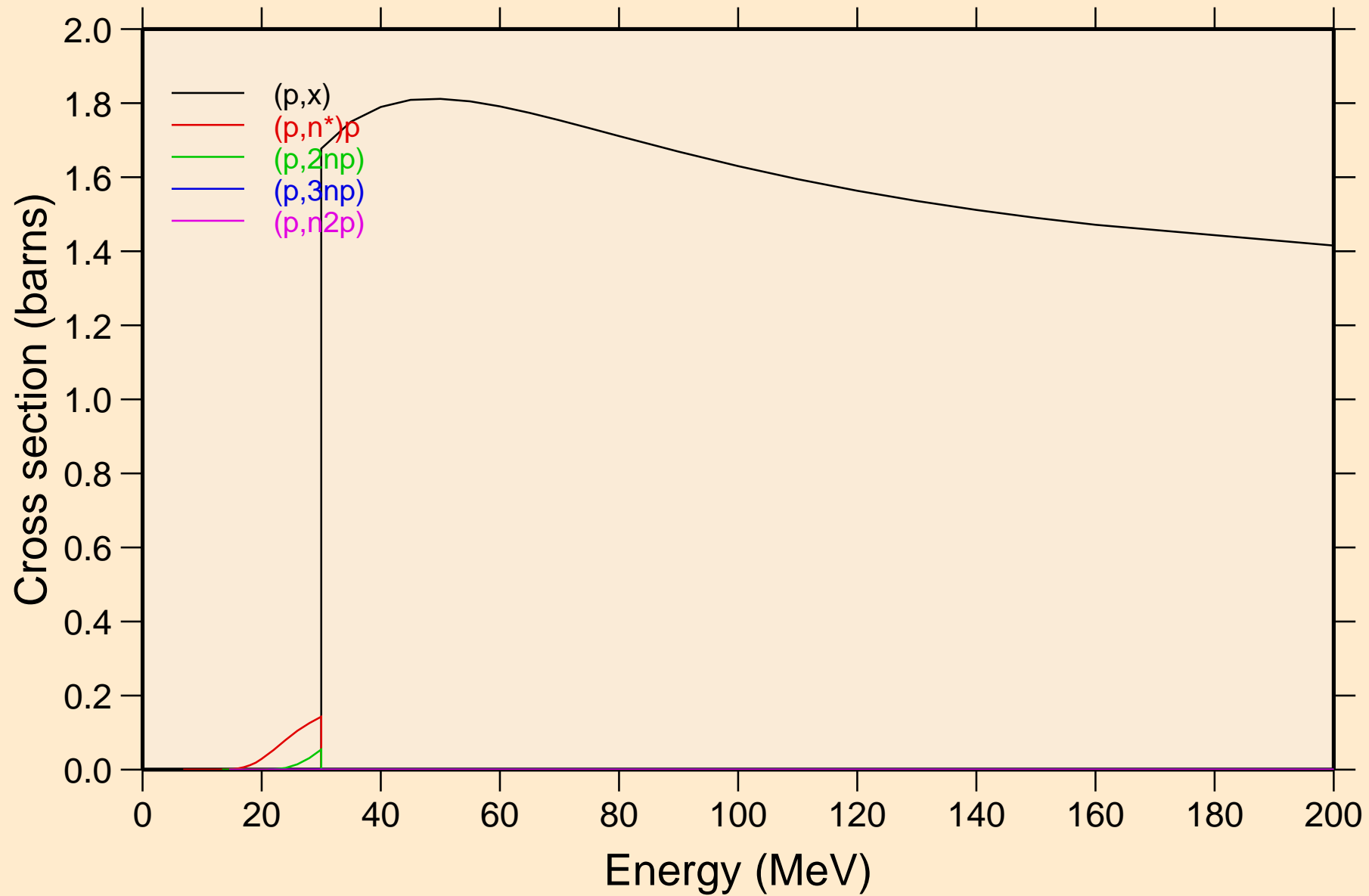
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Heating

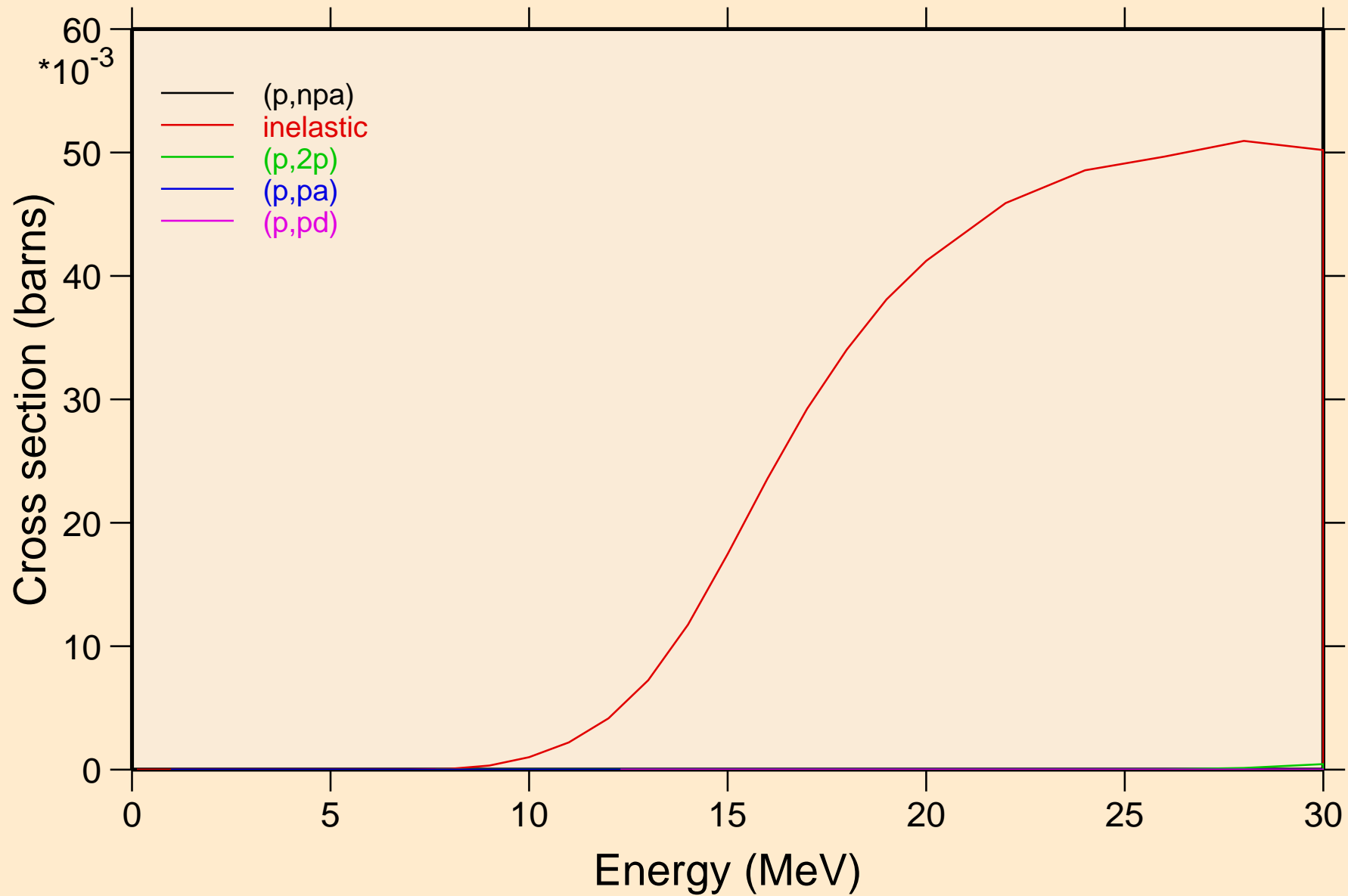


# TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

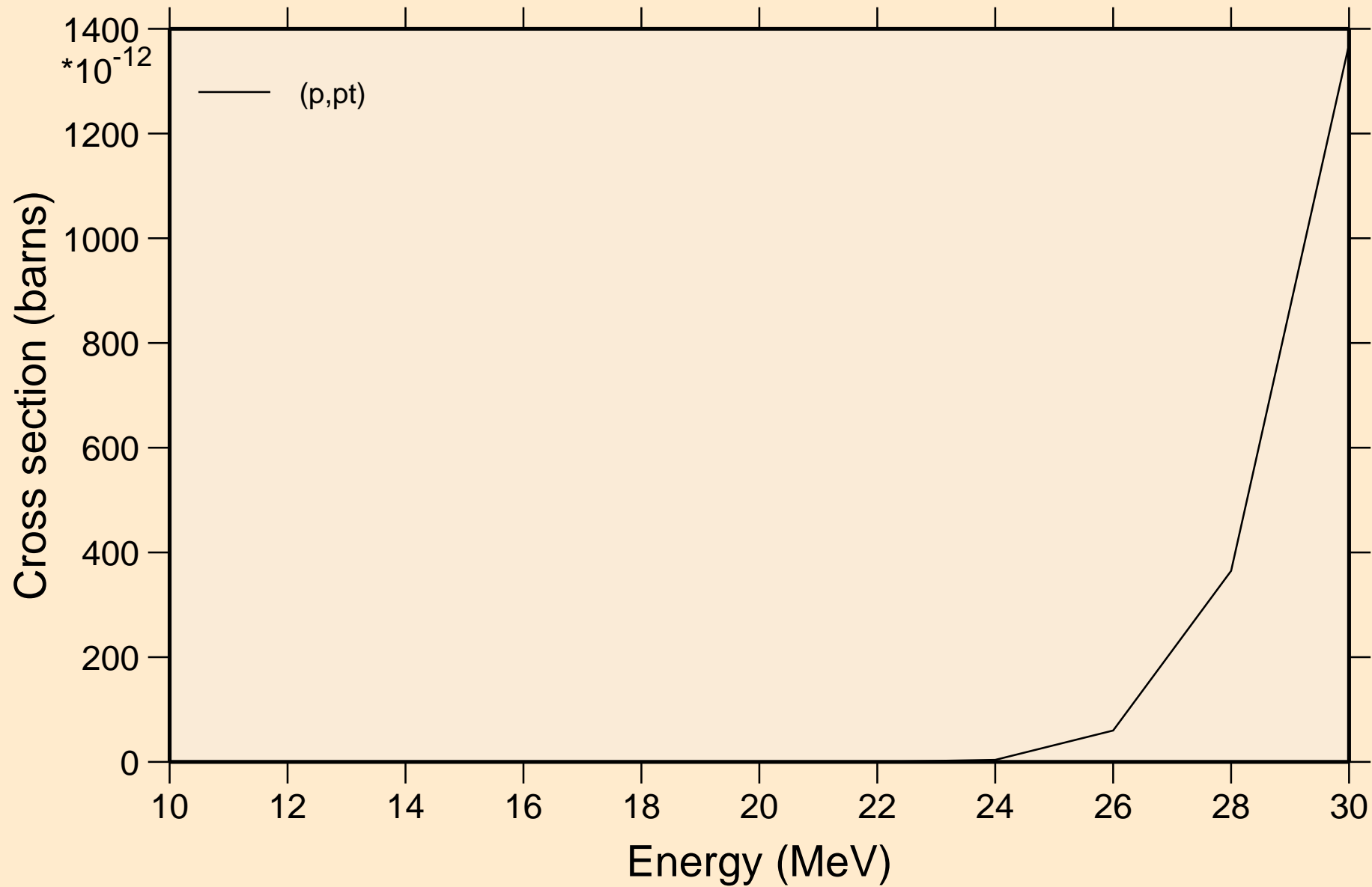
## Threshold reactions



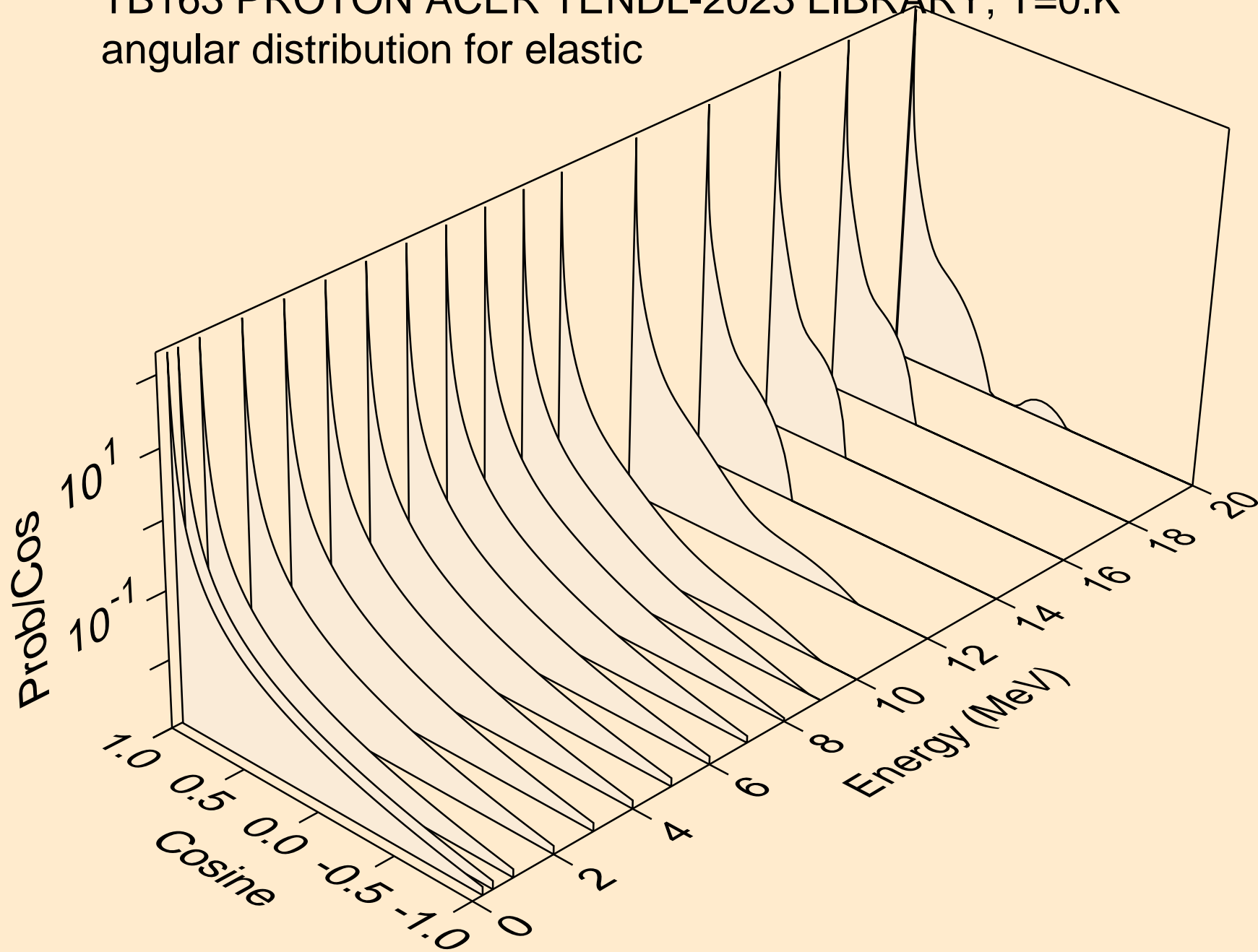
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

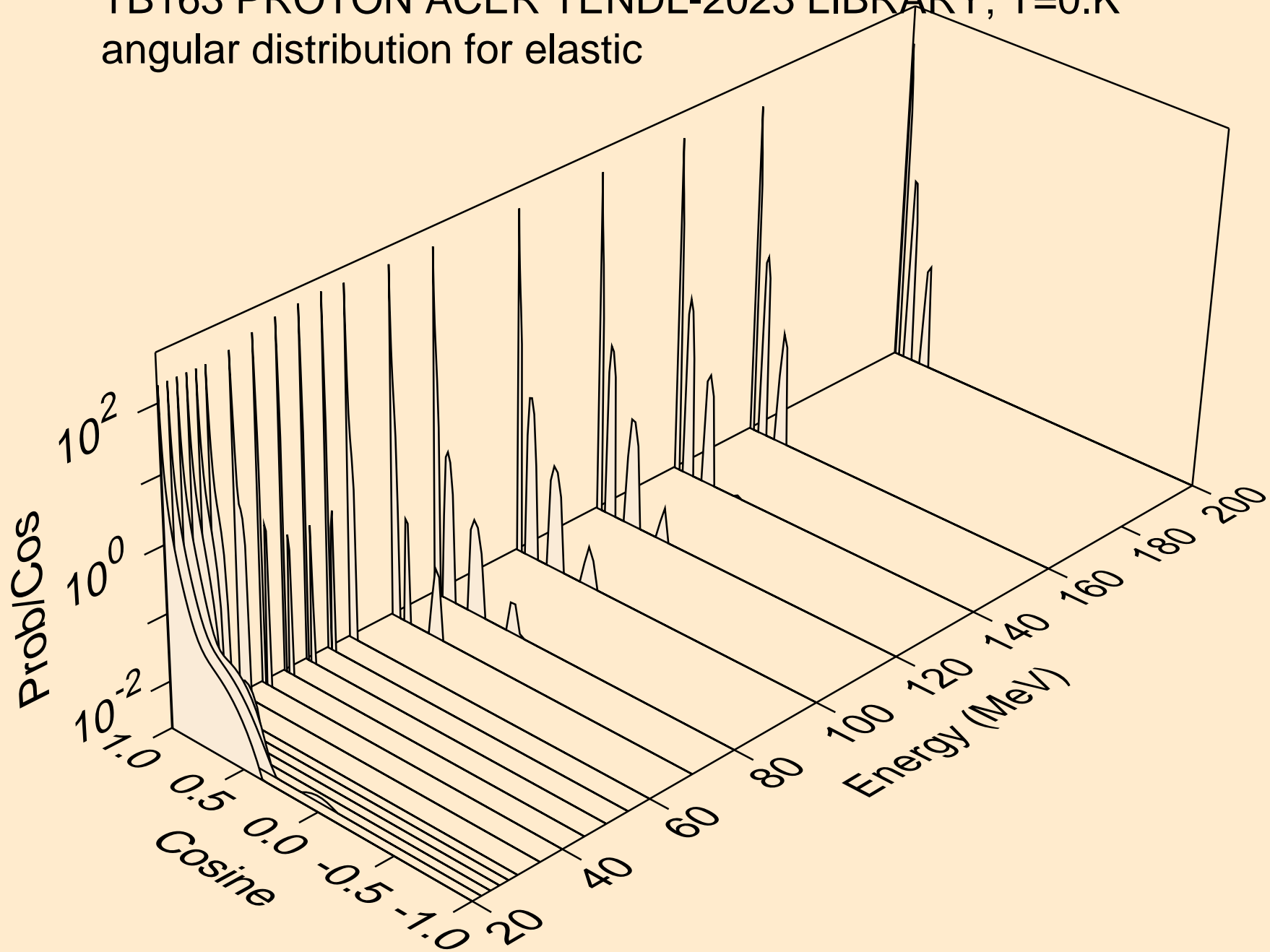


TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

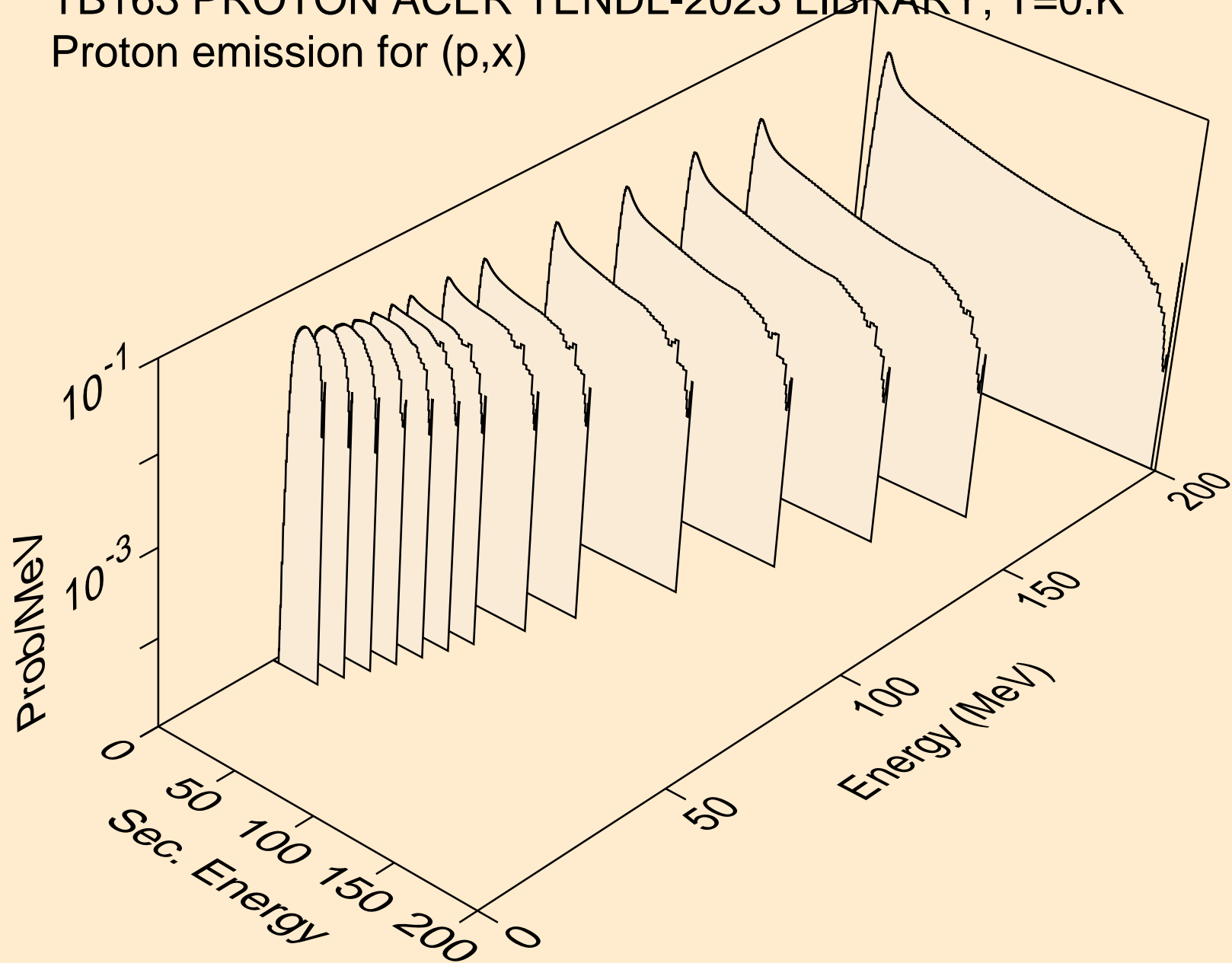




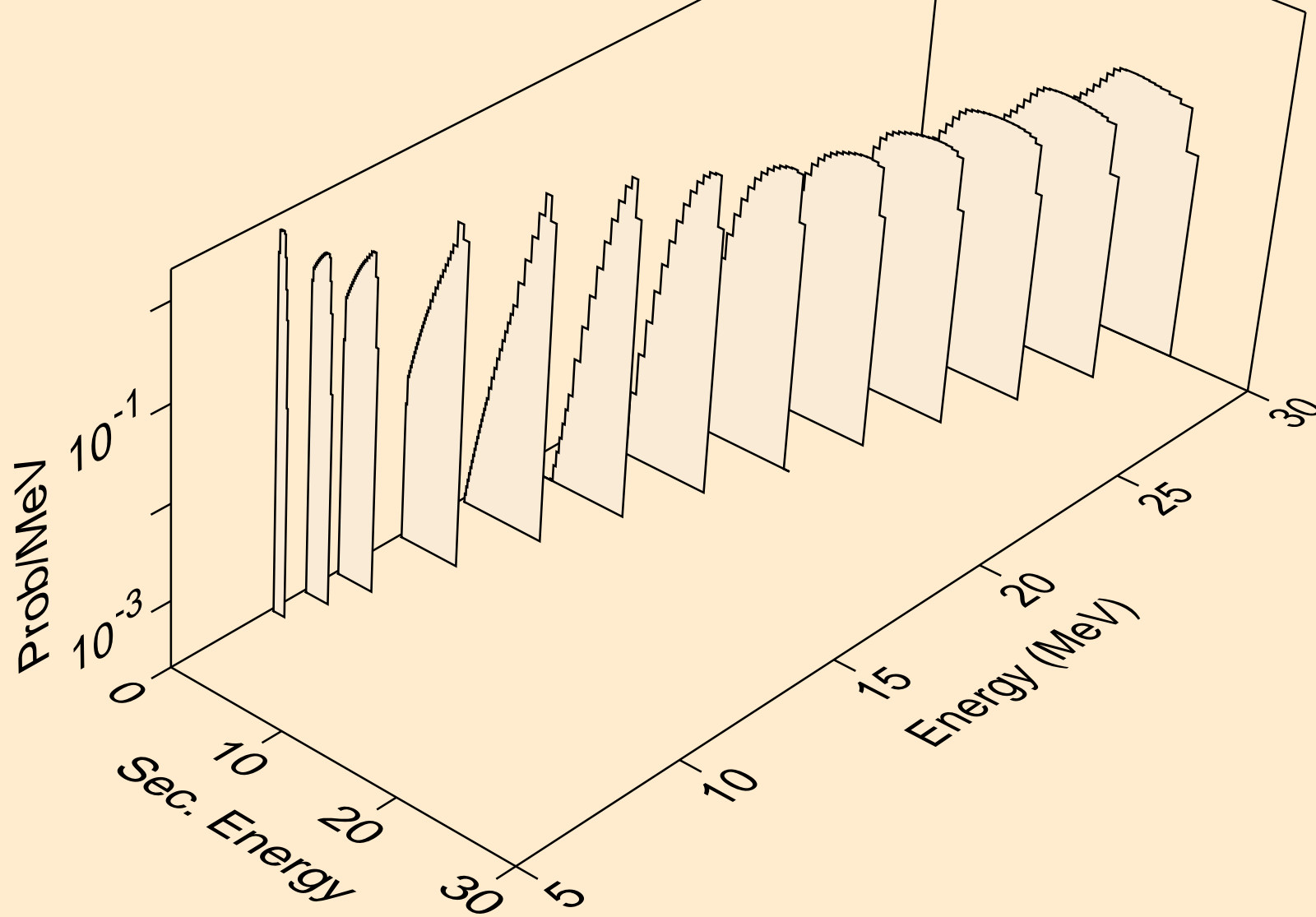
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



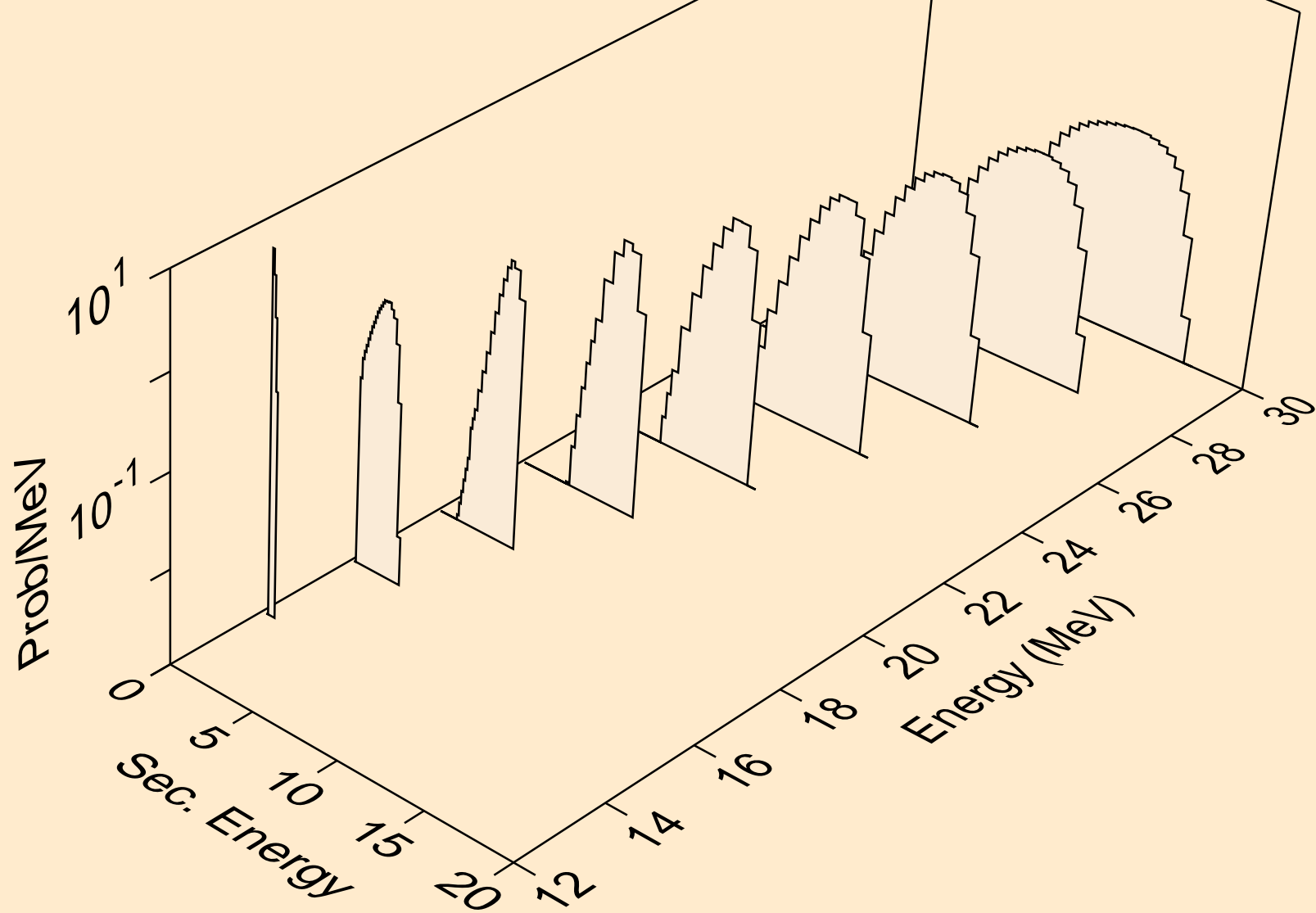
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



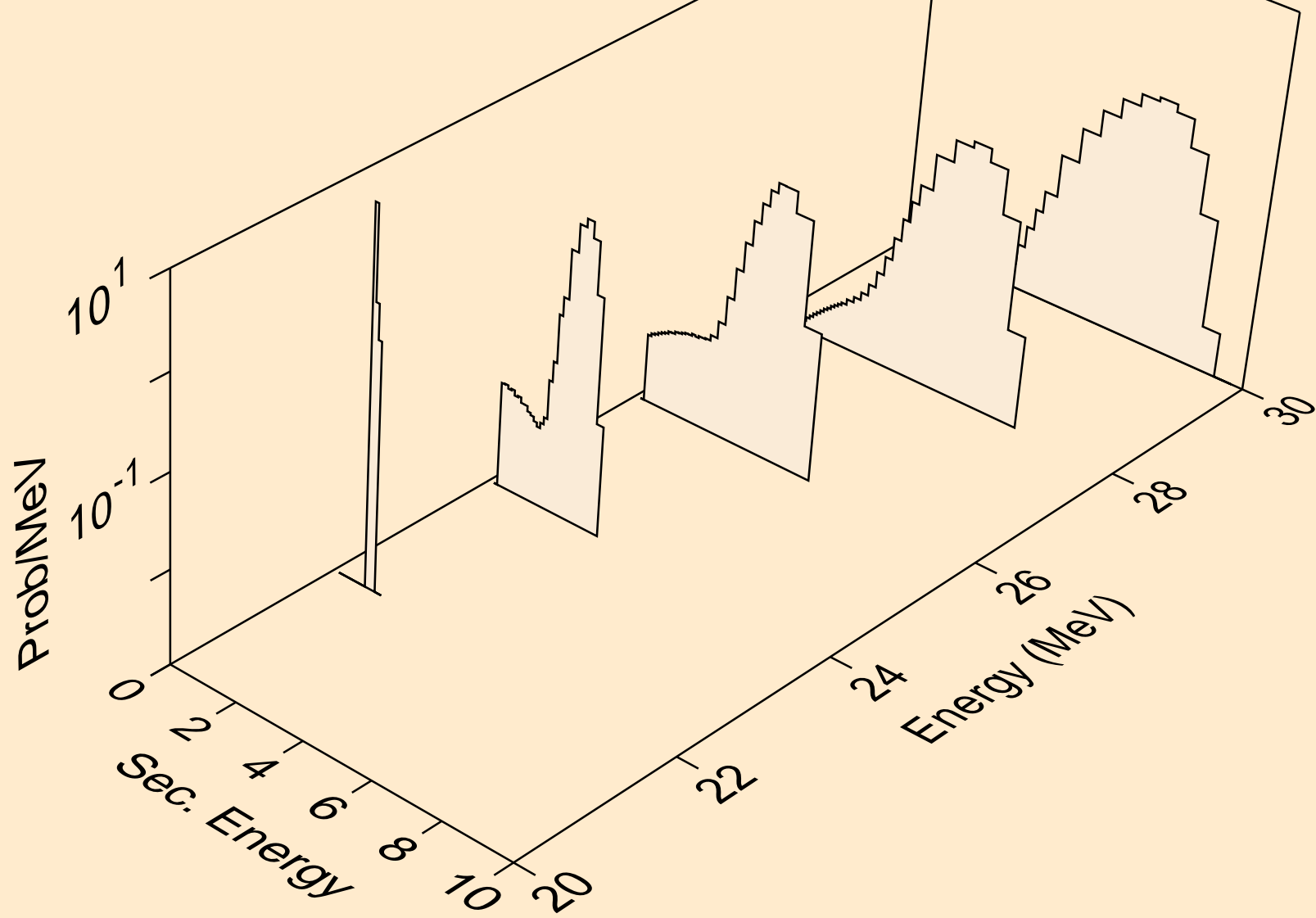
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



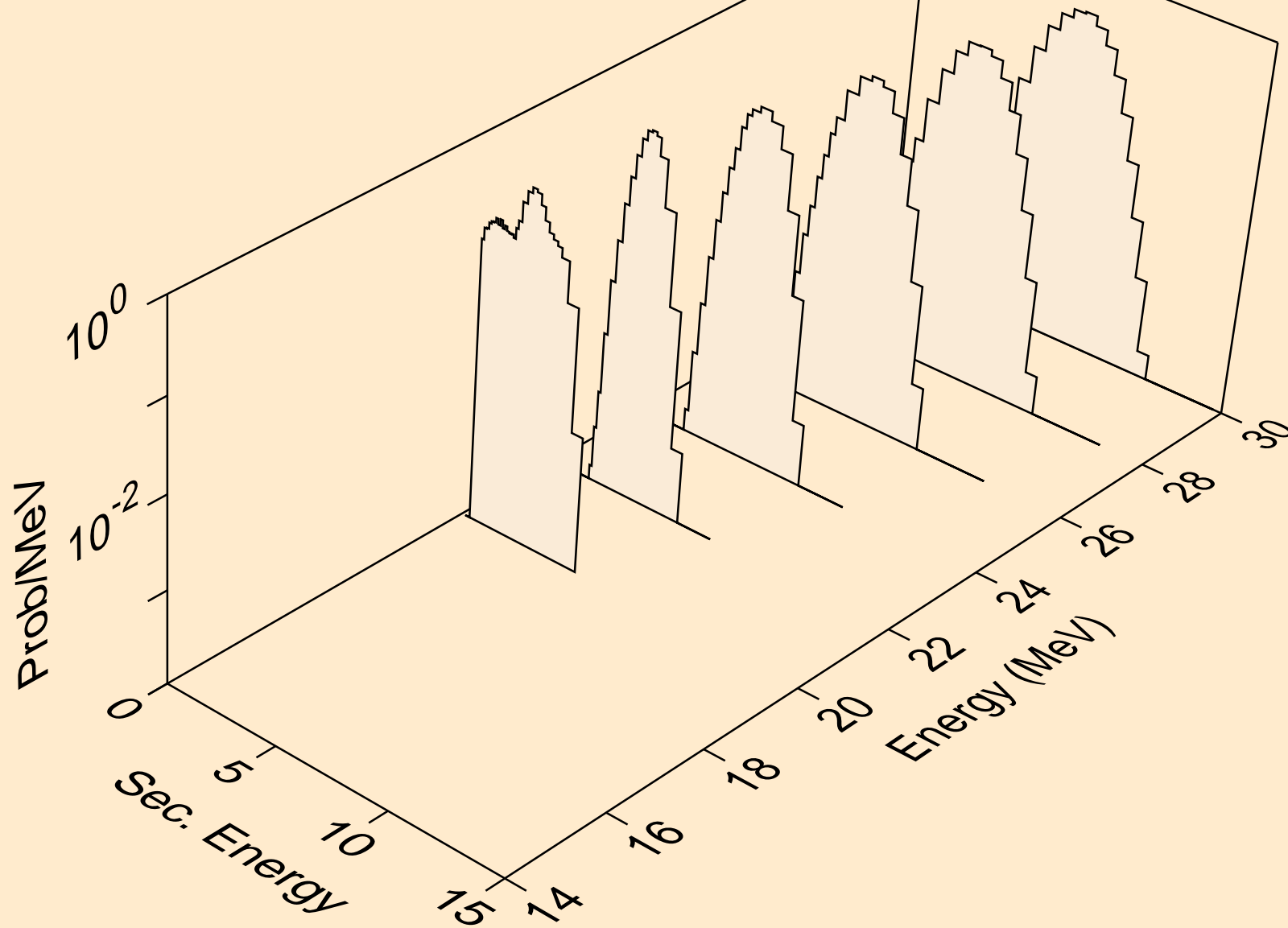
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



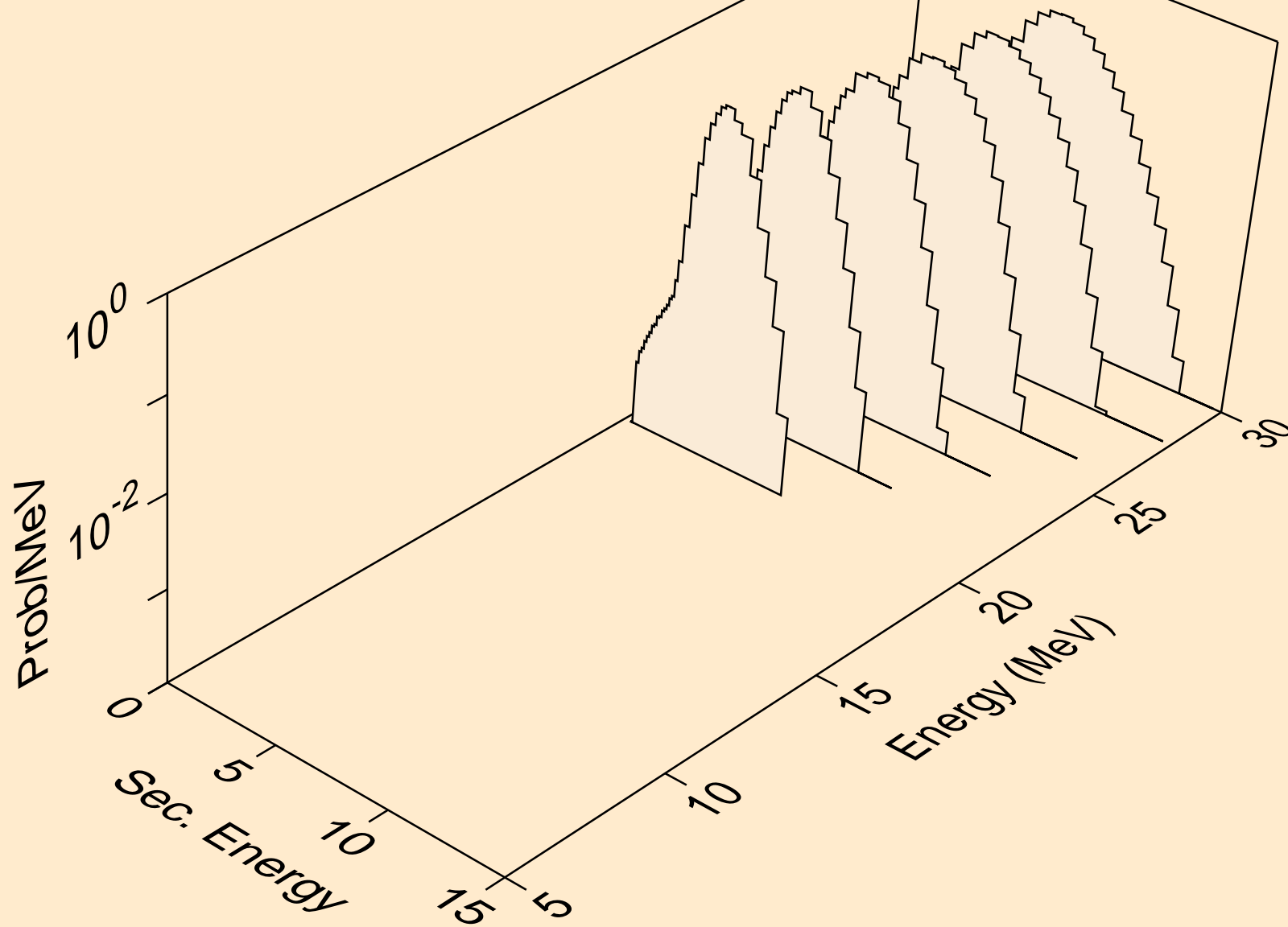
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Proton emission for (p,3np)



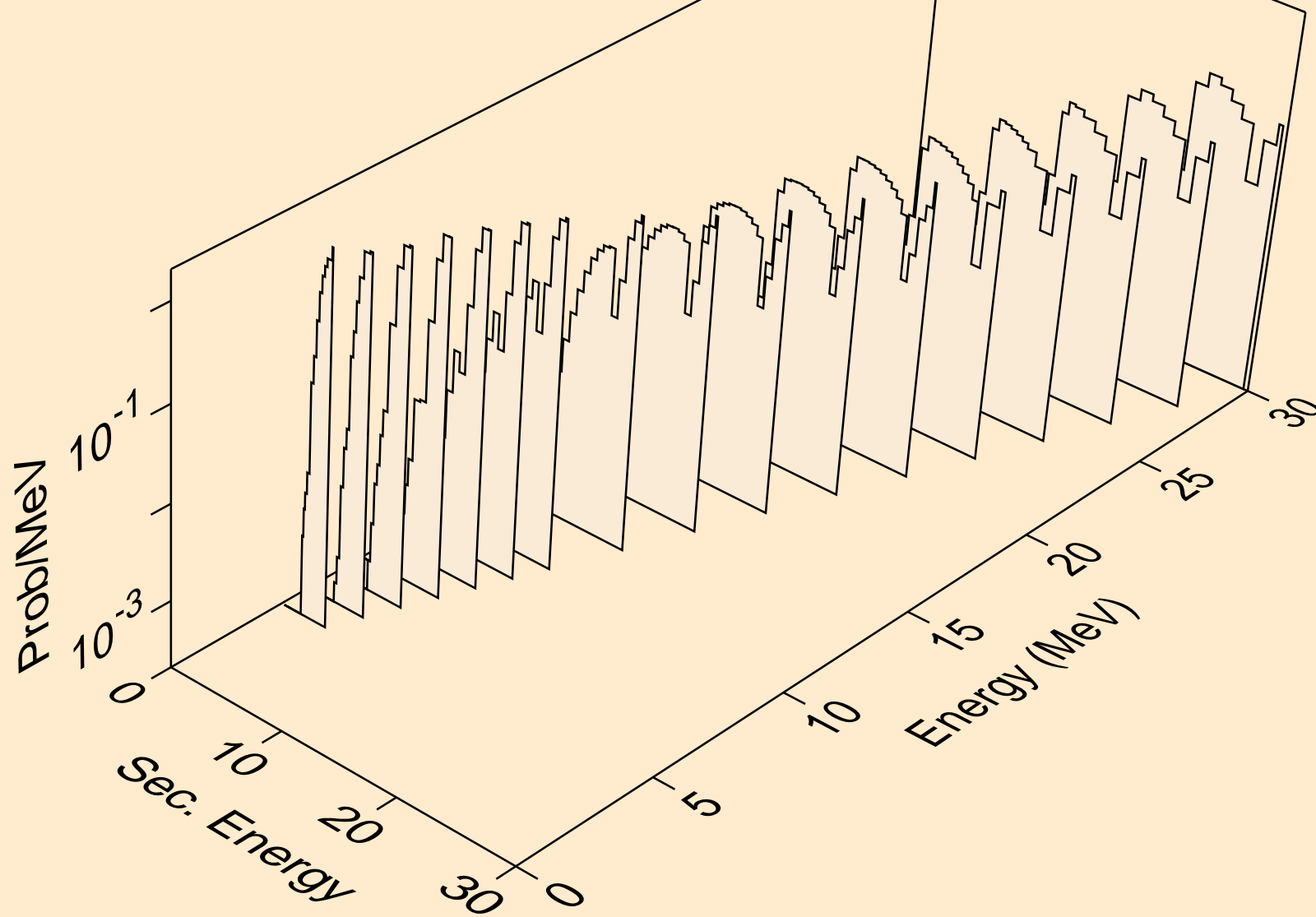
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)



TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,npa)

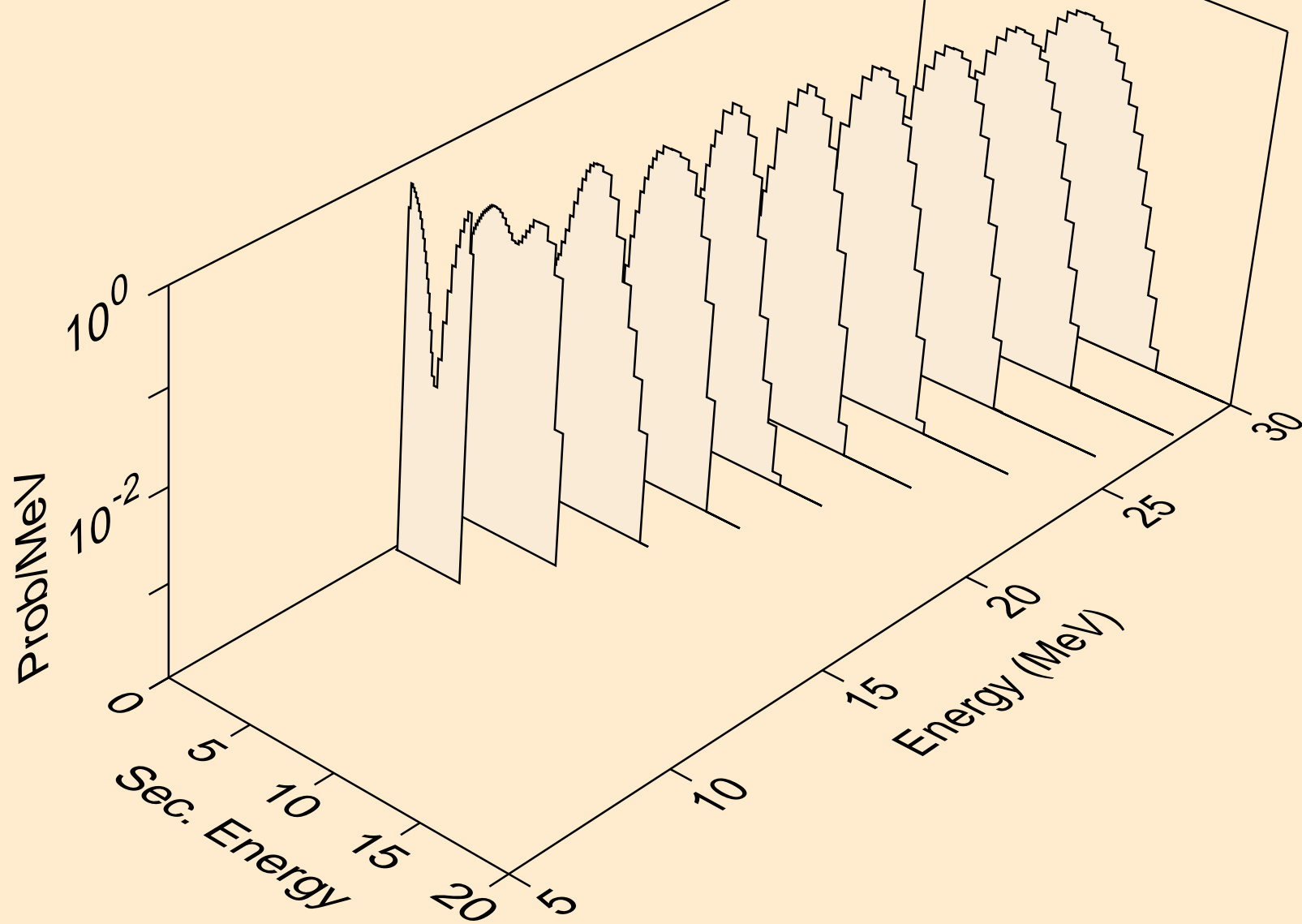


TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

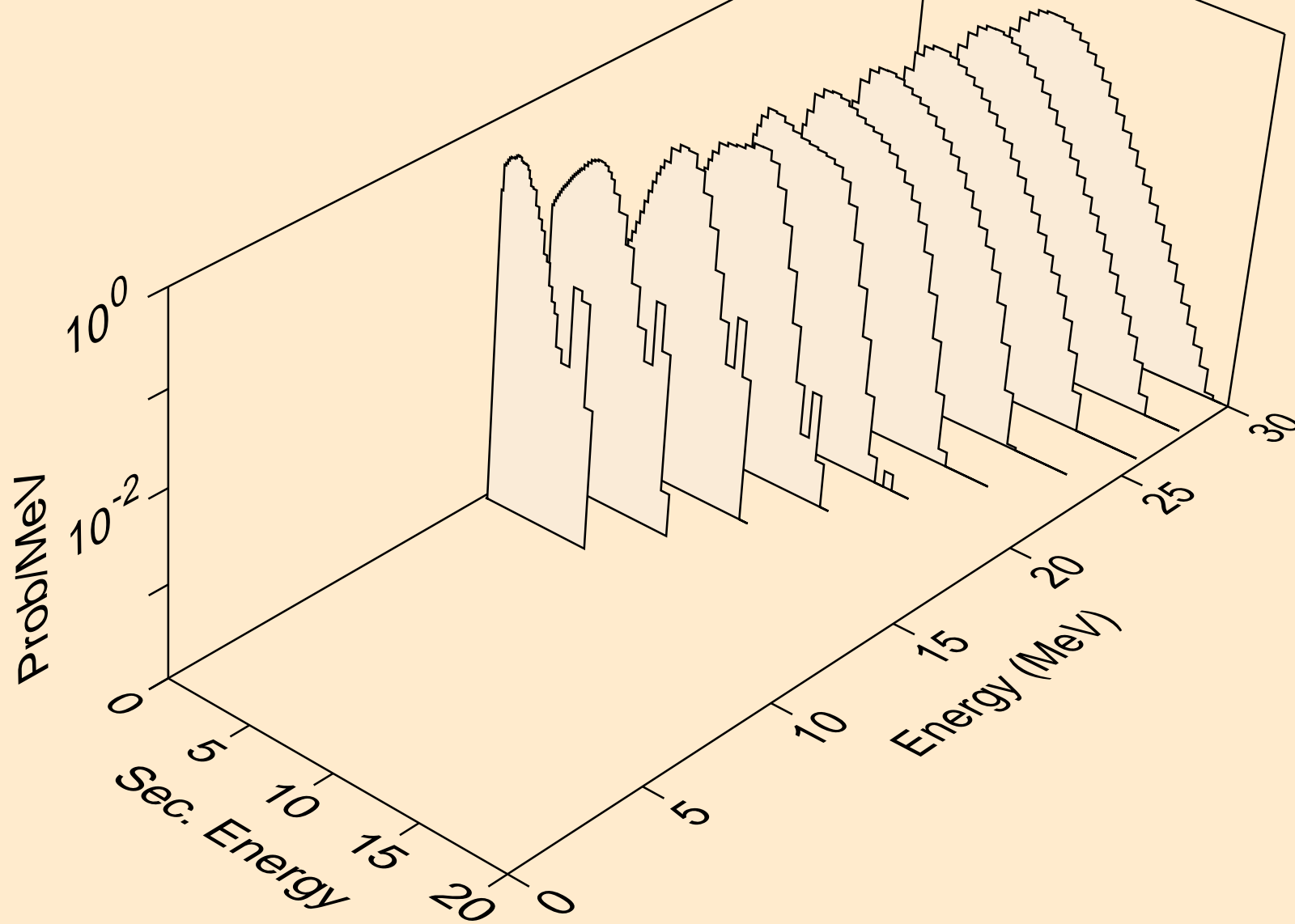




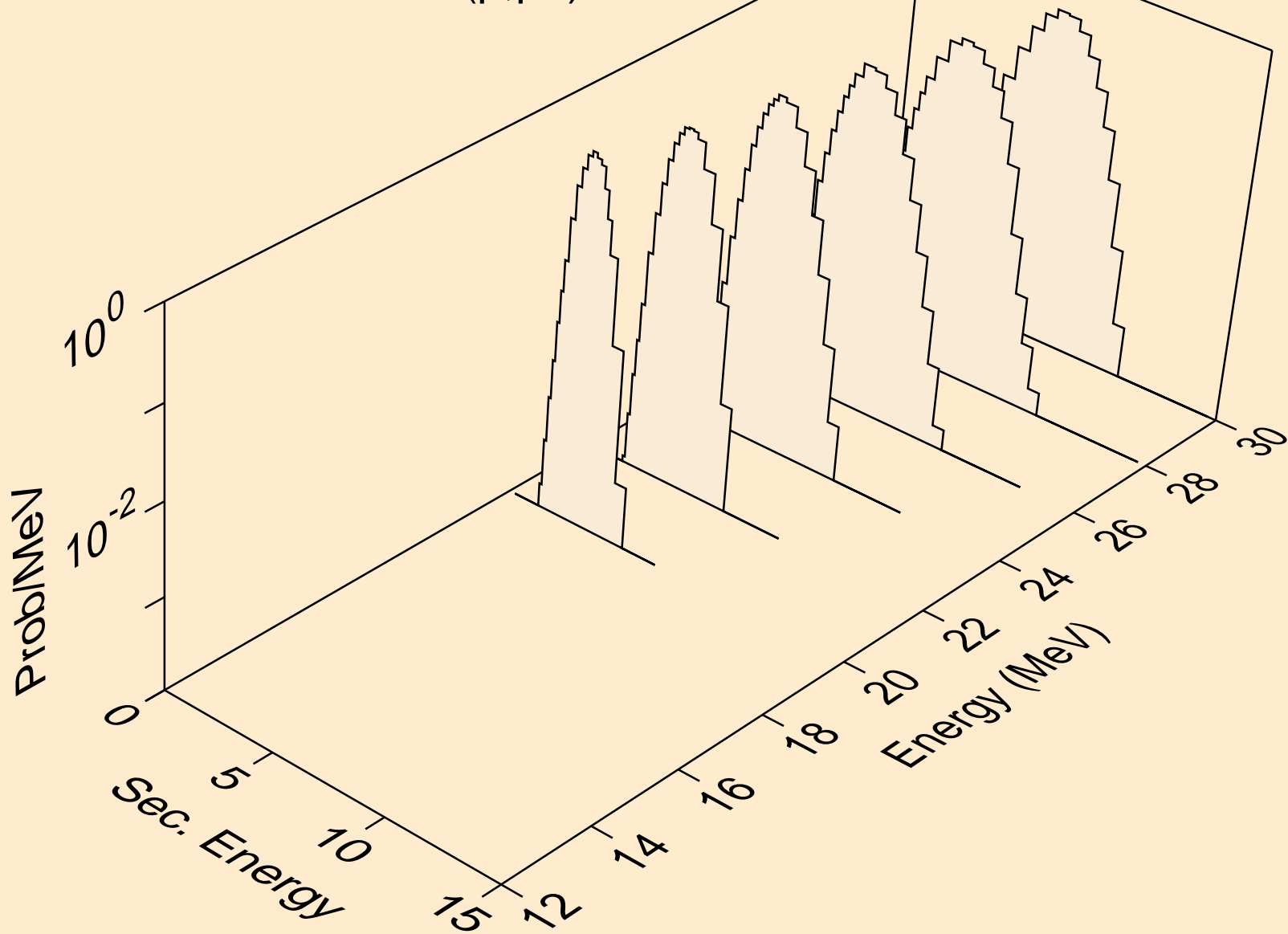
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Proton emission for (p,2p)



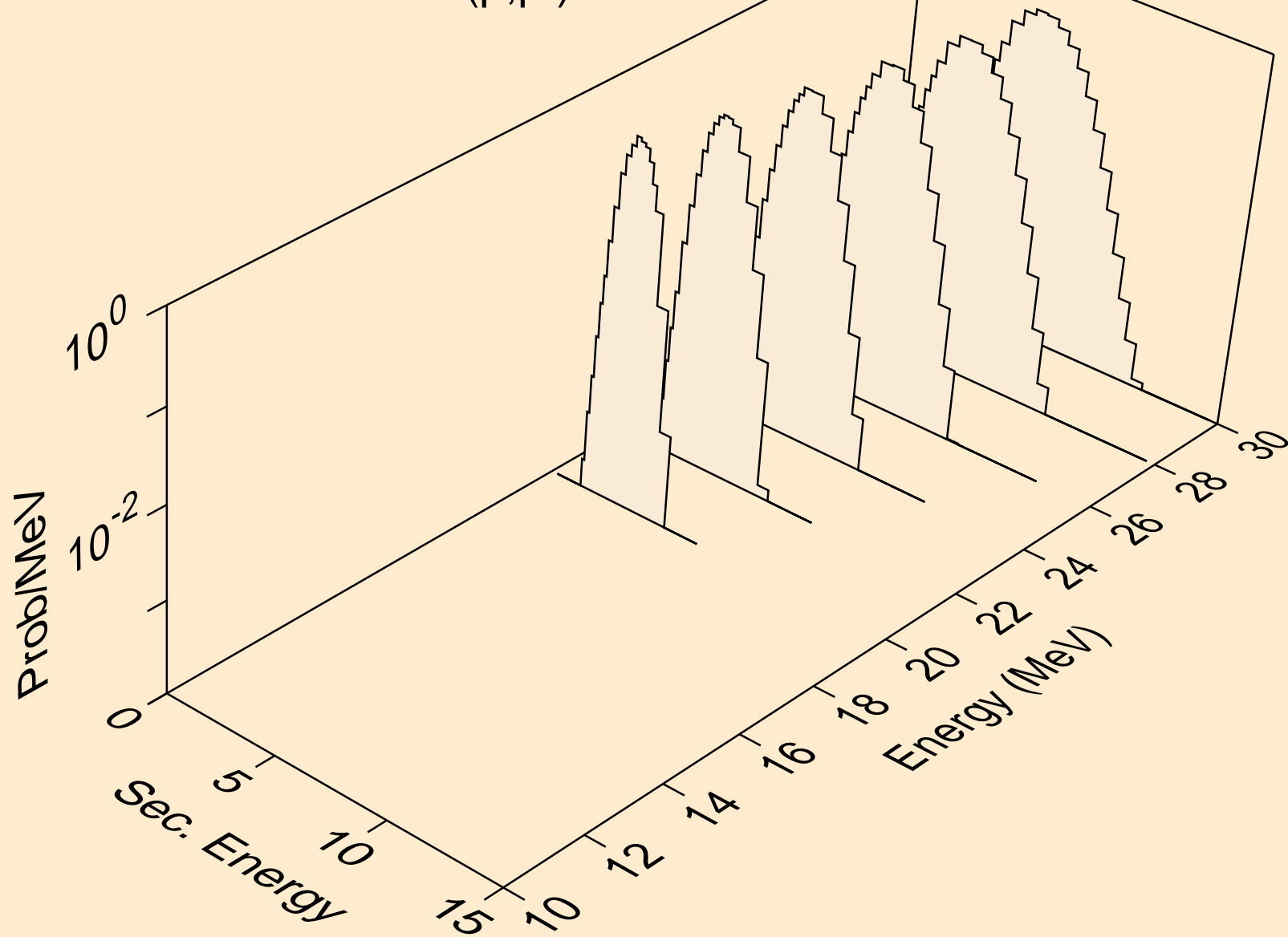
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Proton emission for (p,pa)



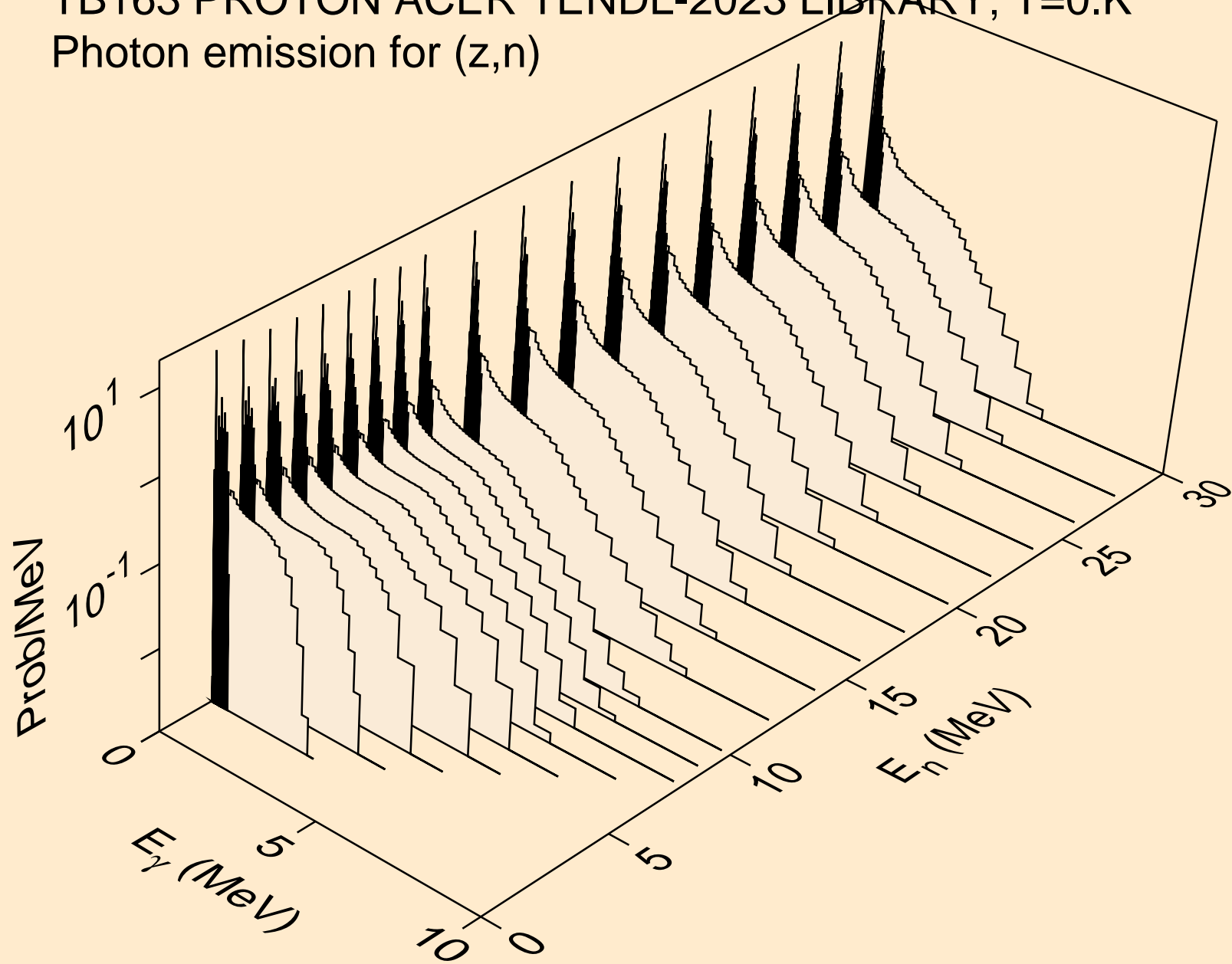
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pd)



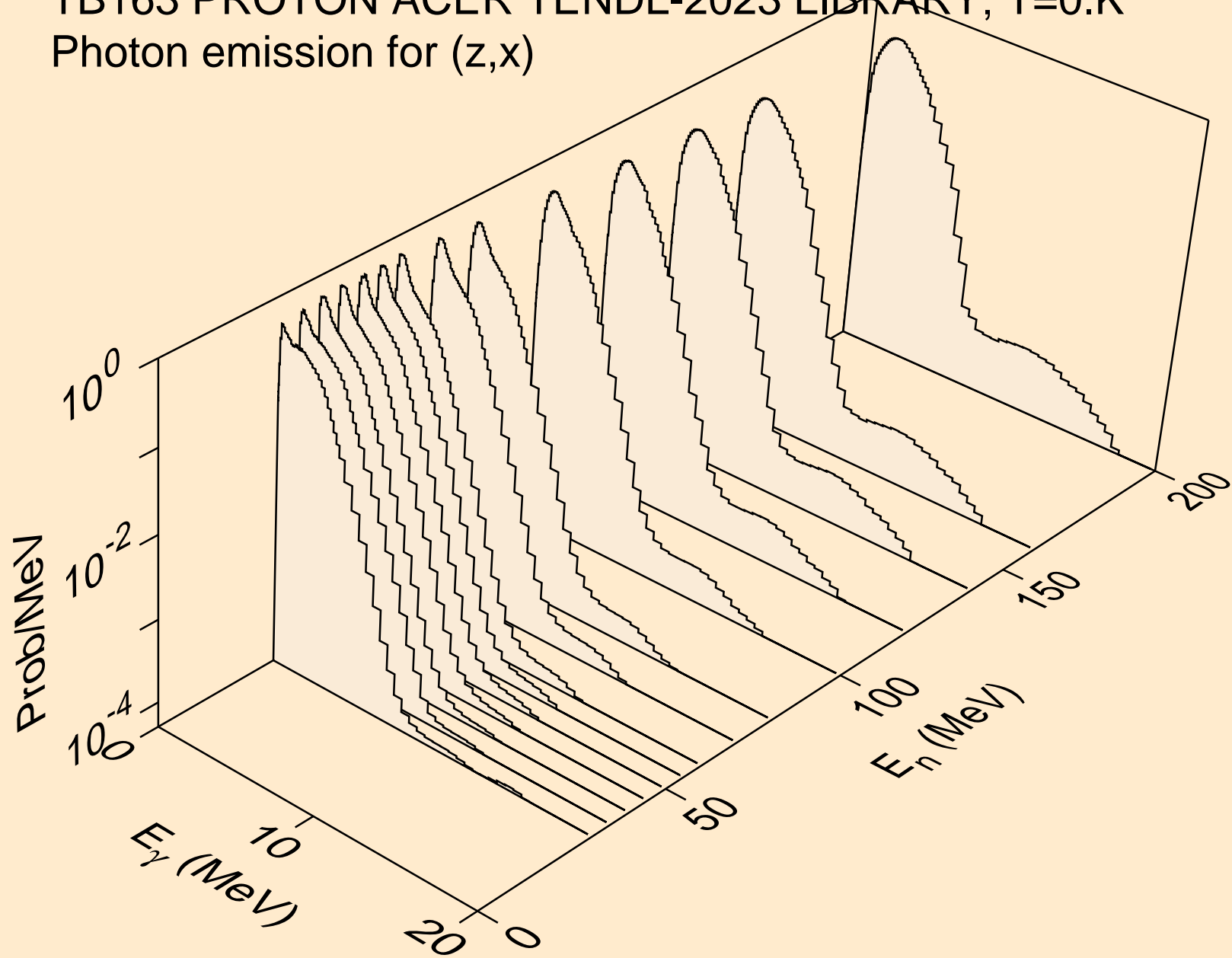
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pt)



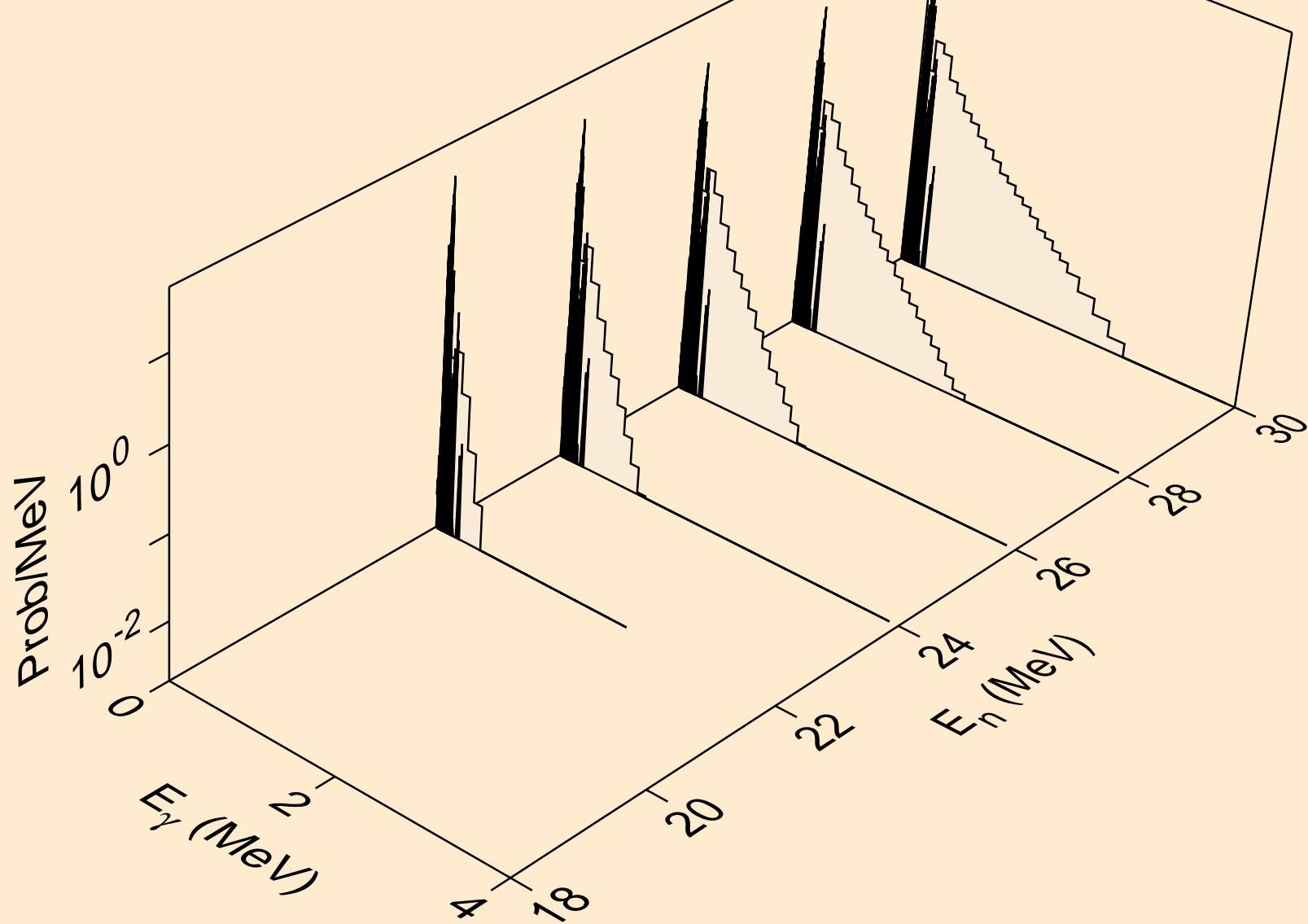
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



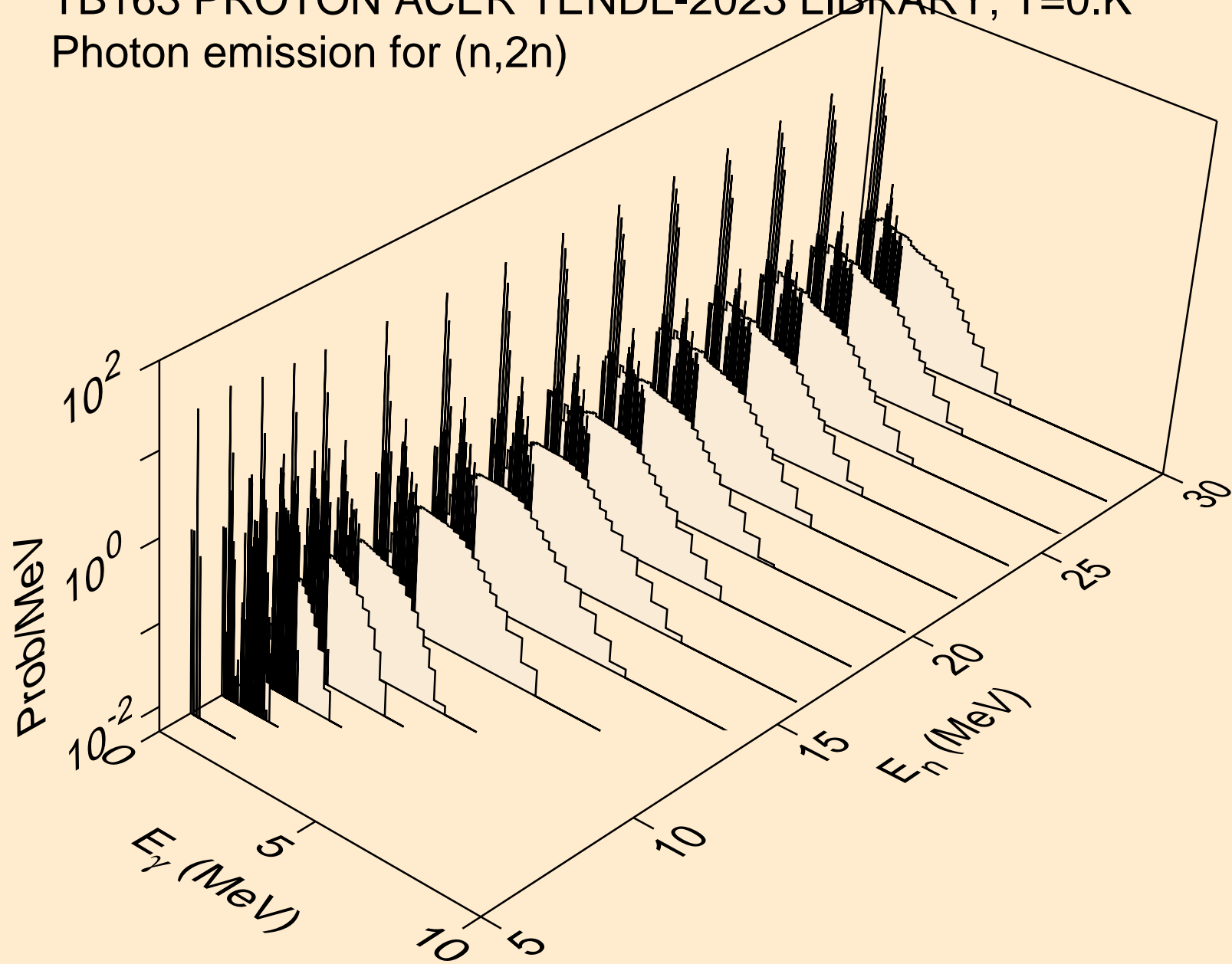
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)

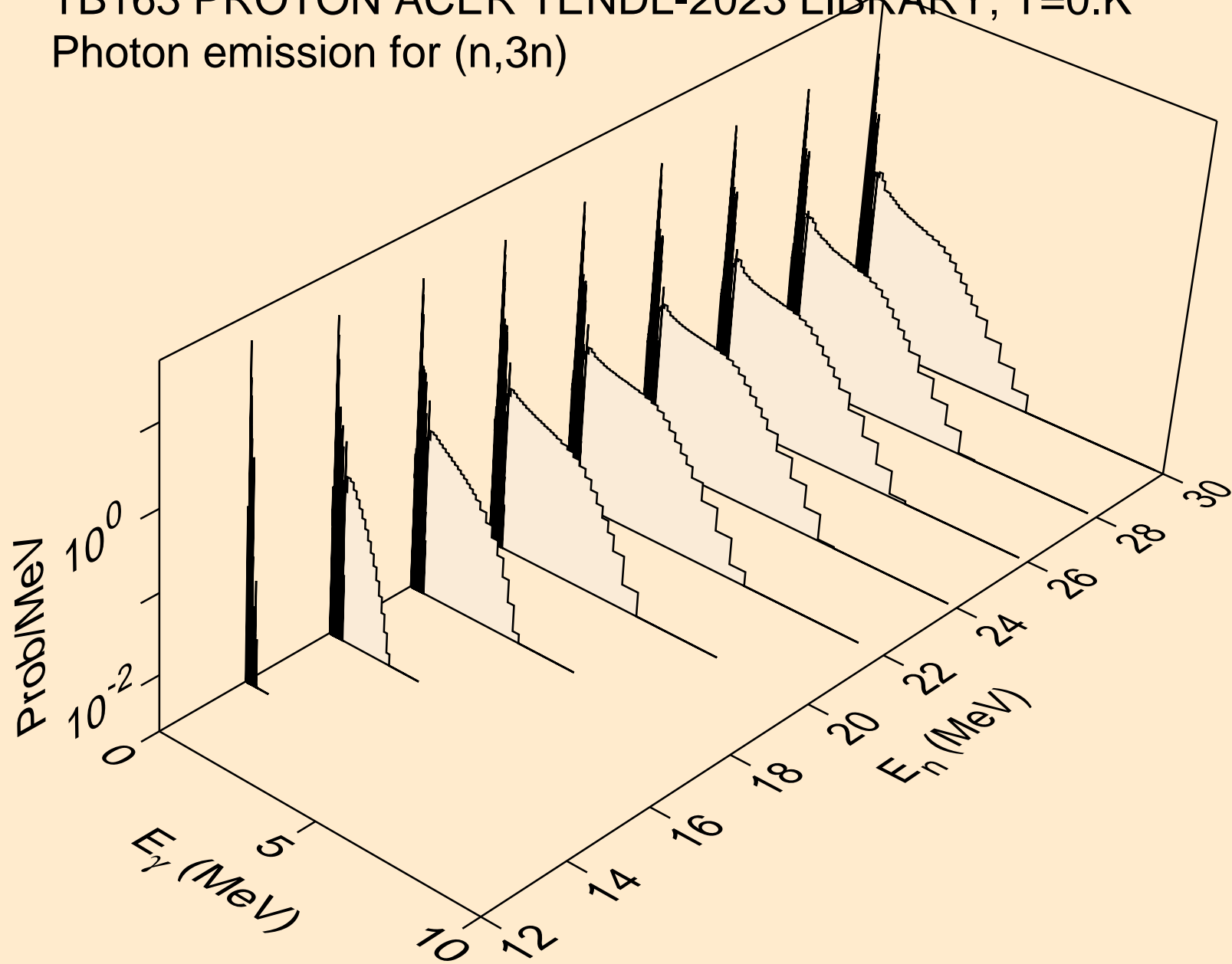


TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

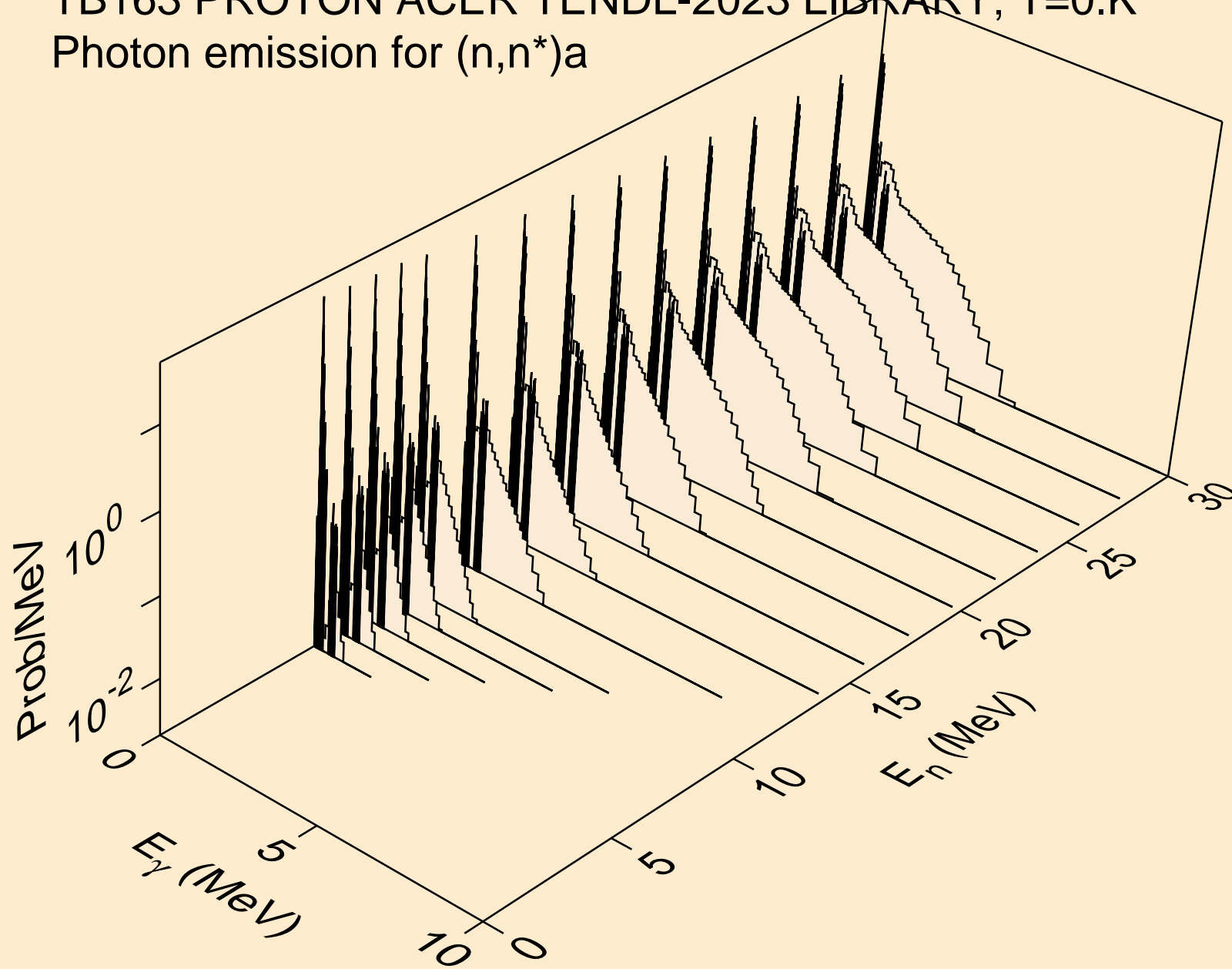




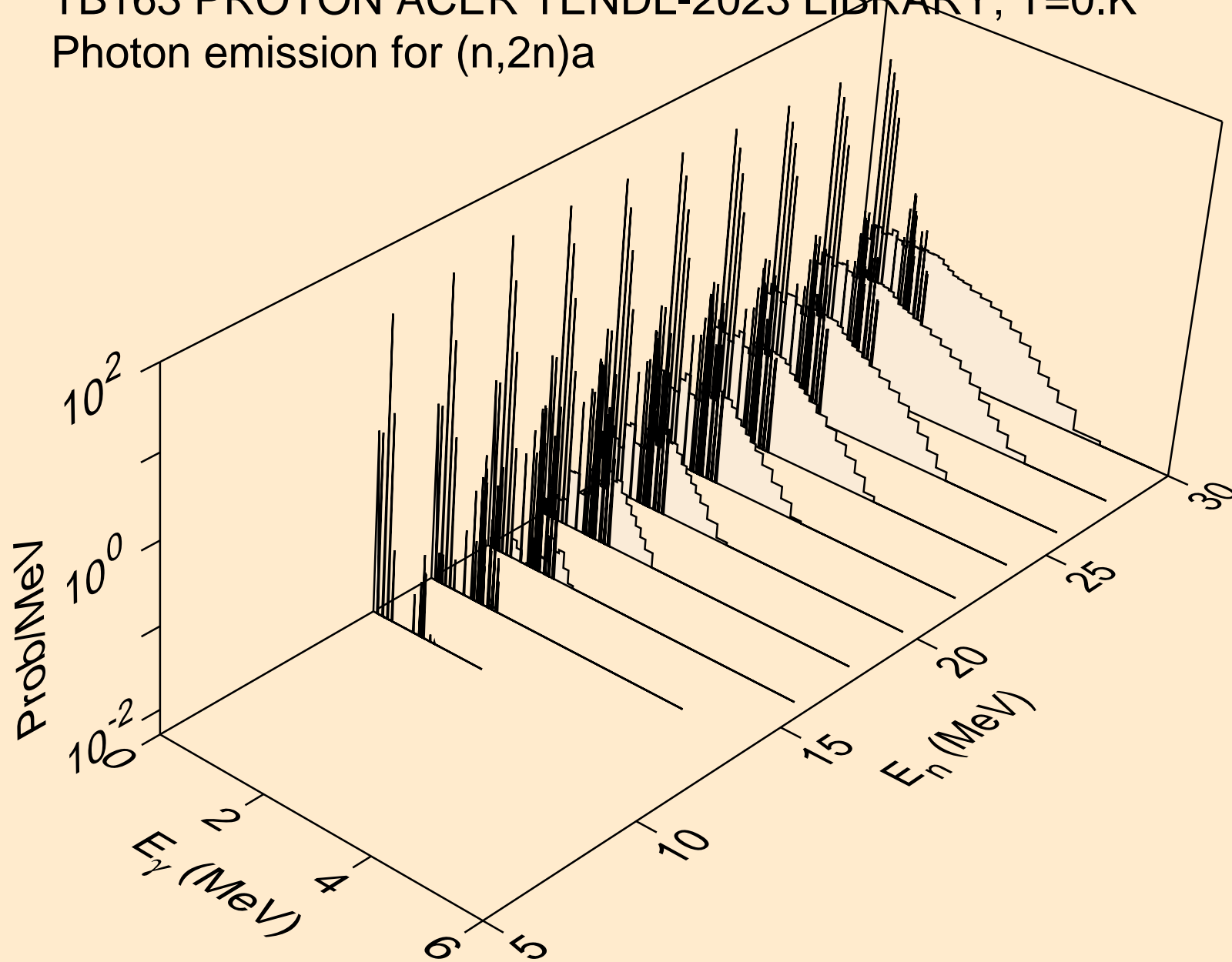
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Photon emission for (n,3n)



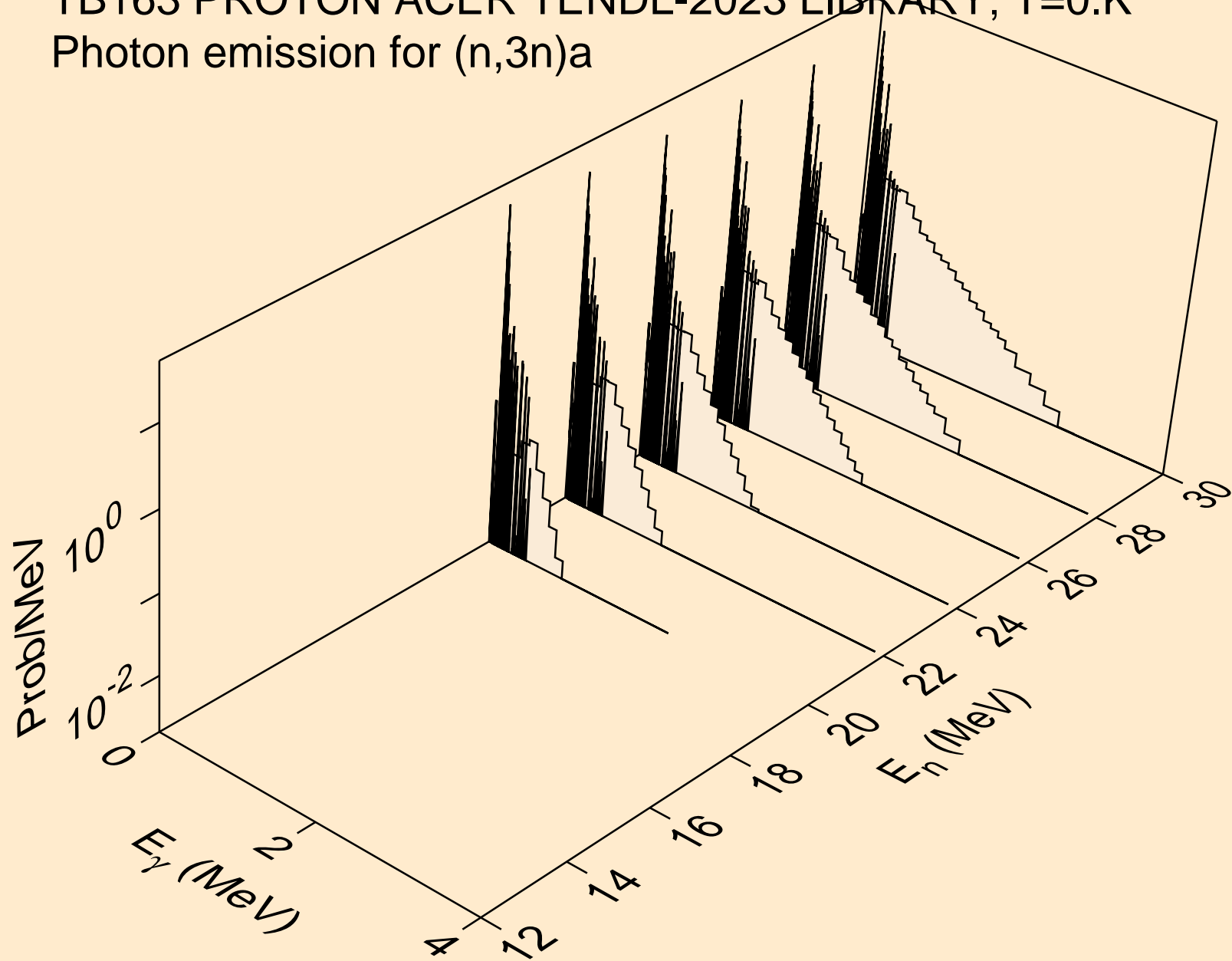
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



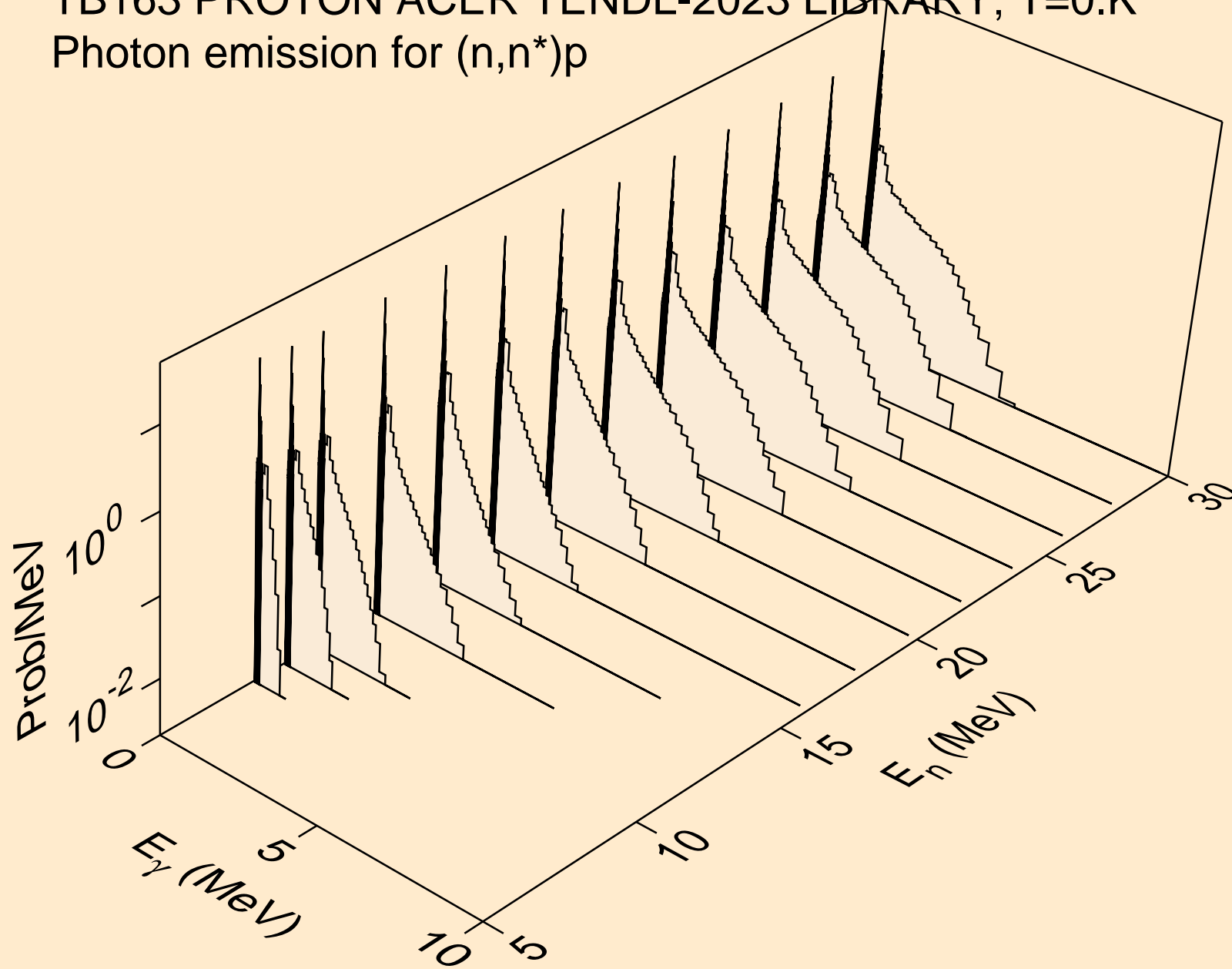
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Photon emission for (n,2n)a



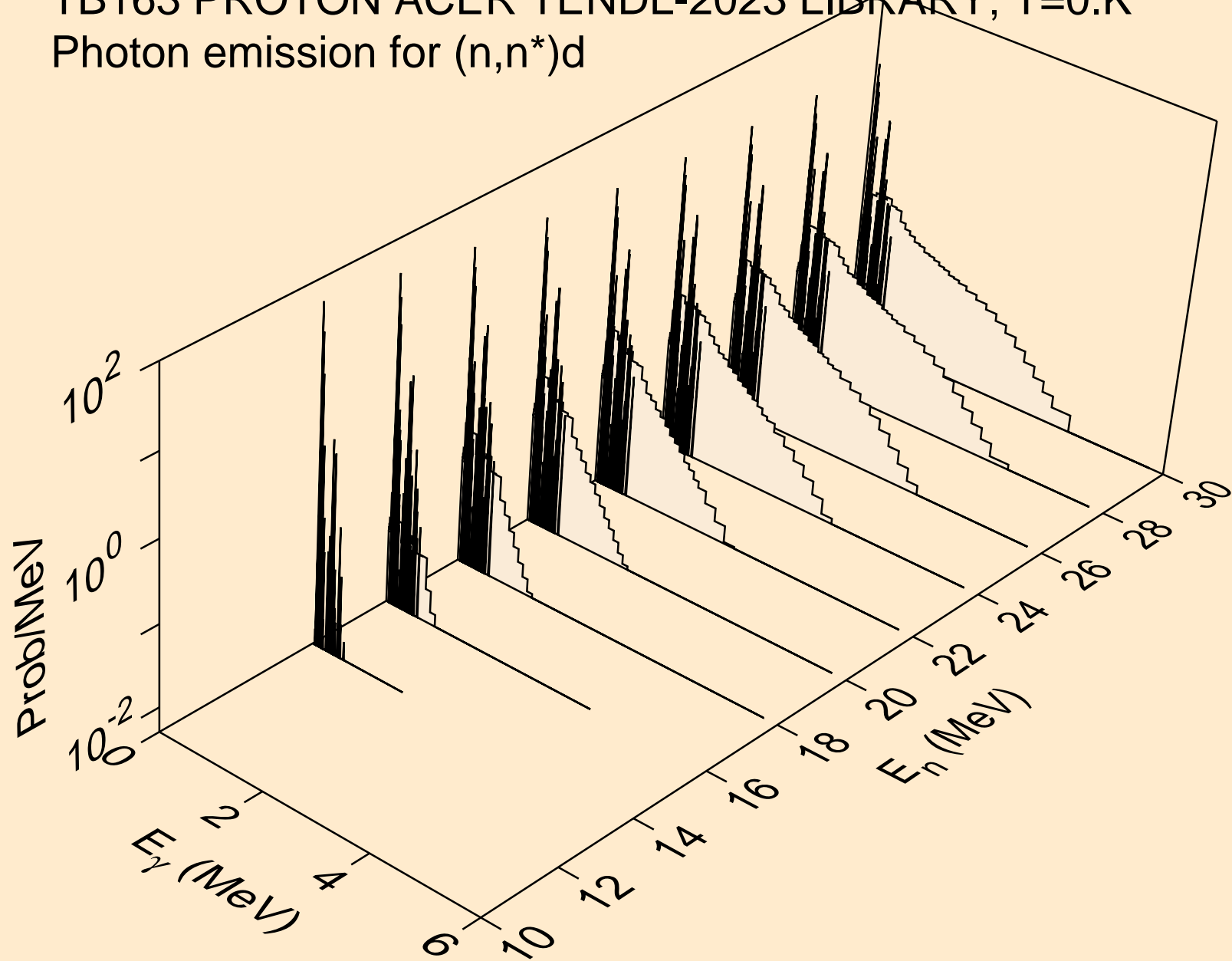
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Photon emission for (n,3n)a



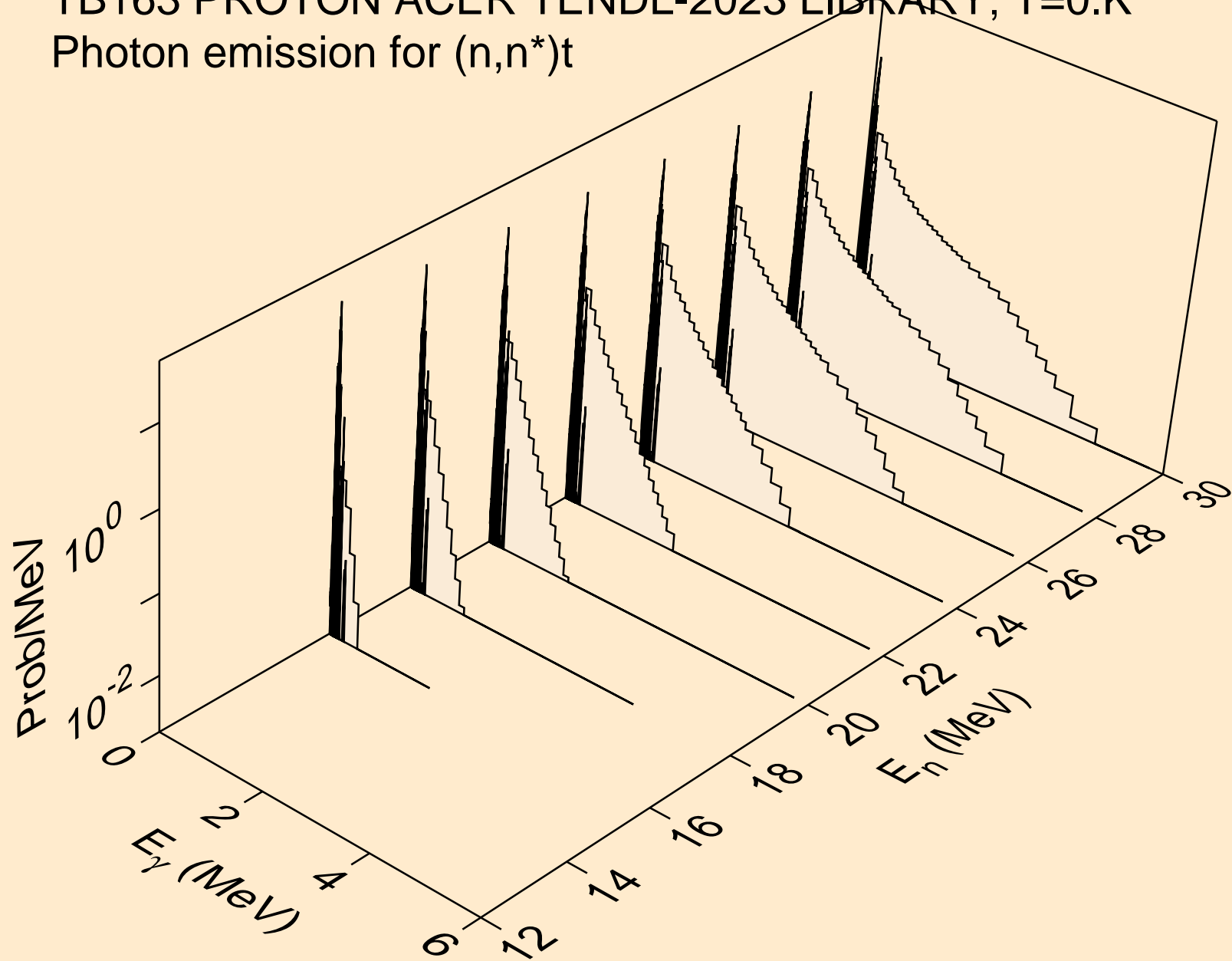
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



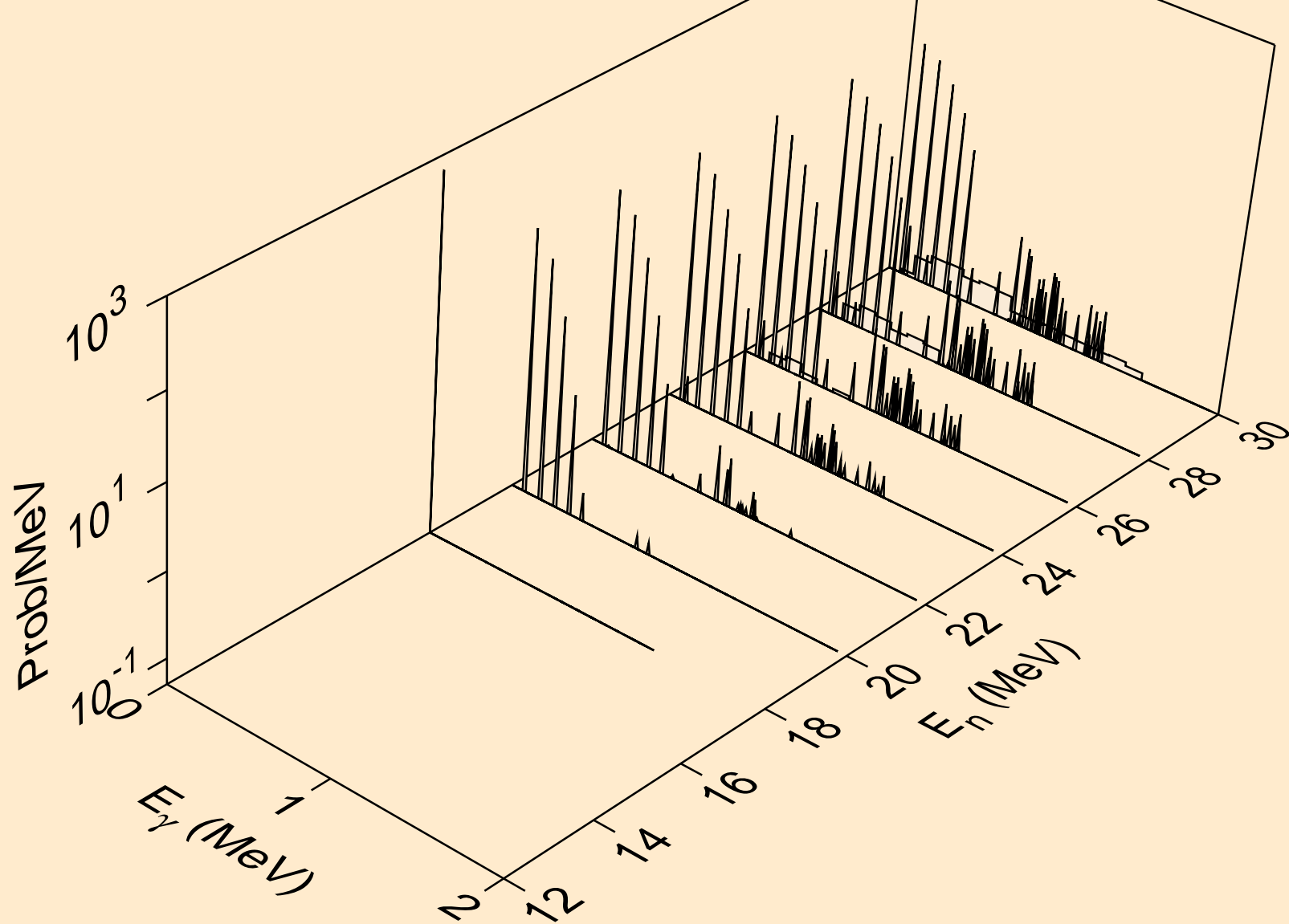
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

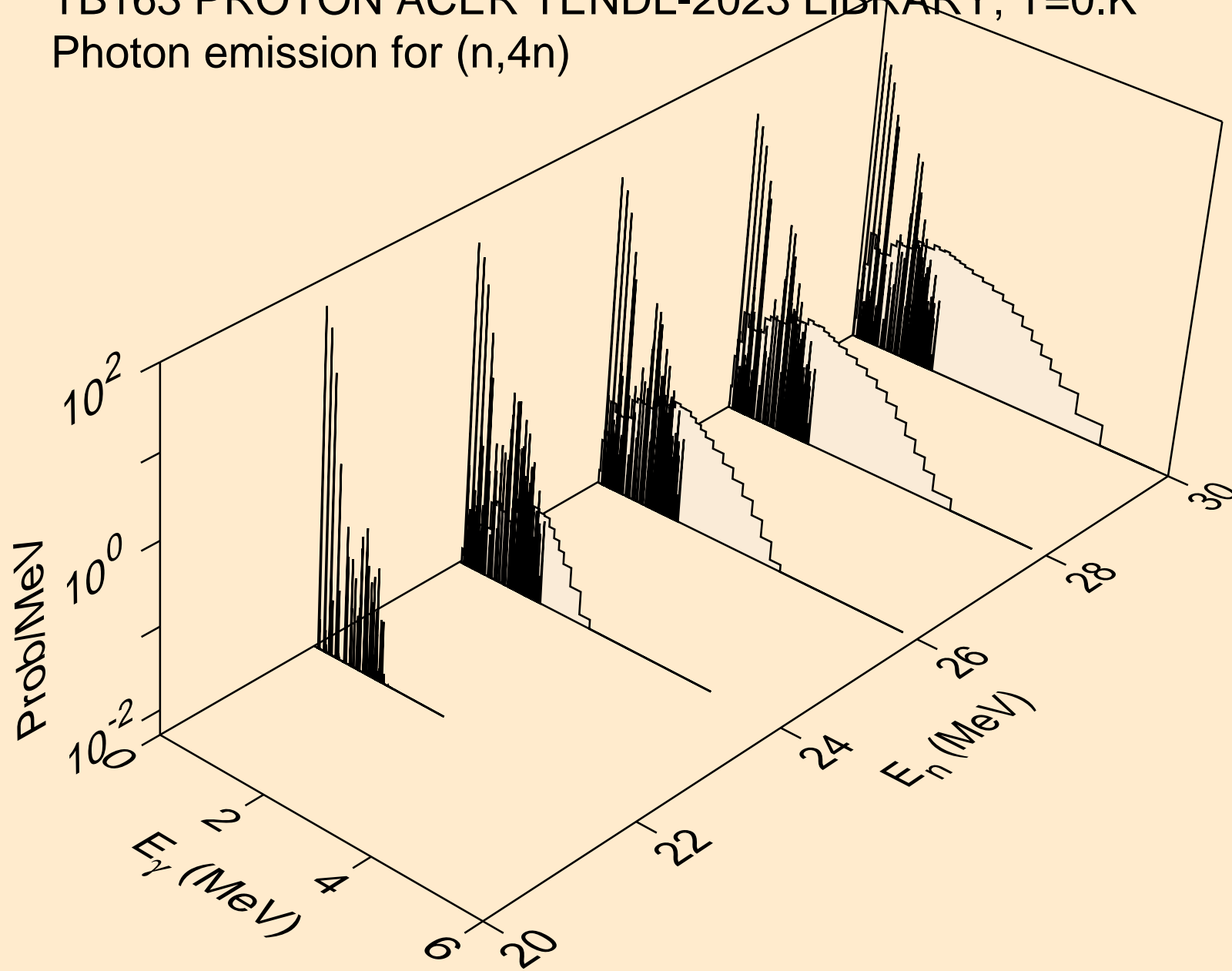


TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

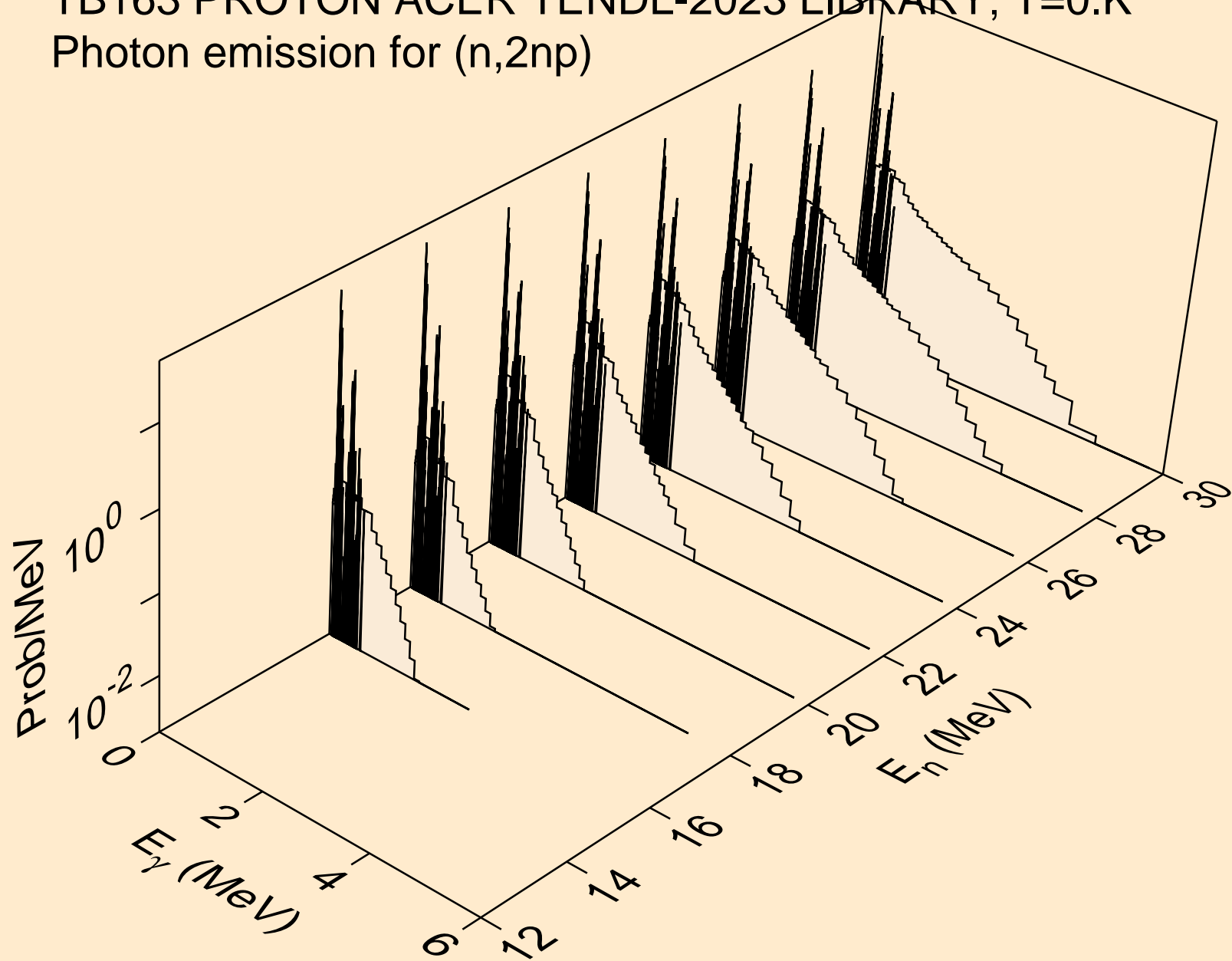




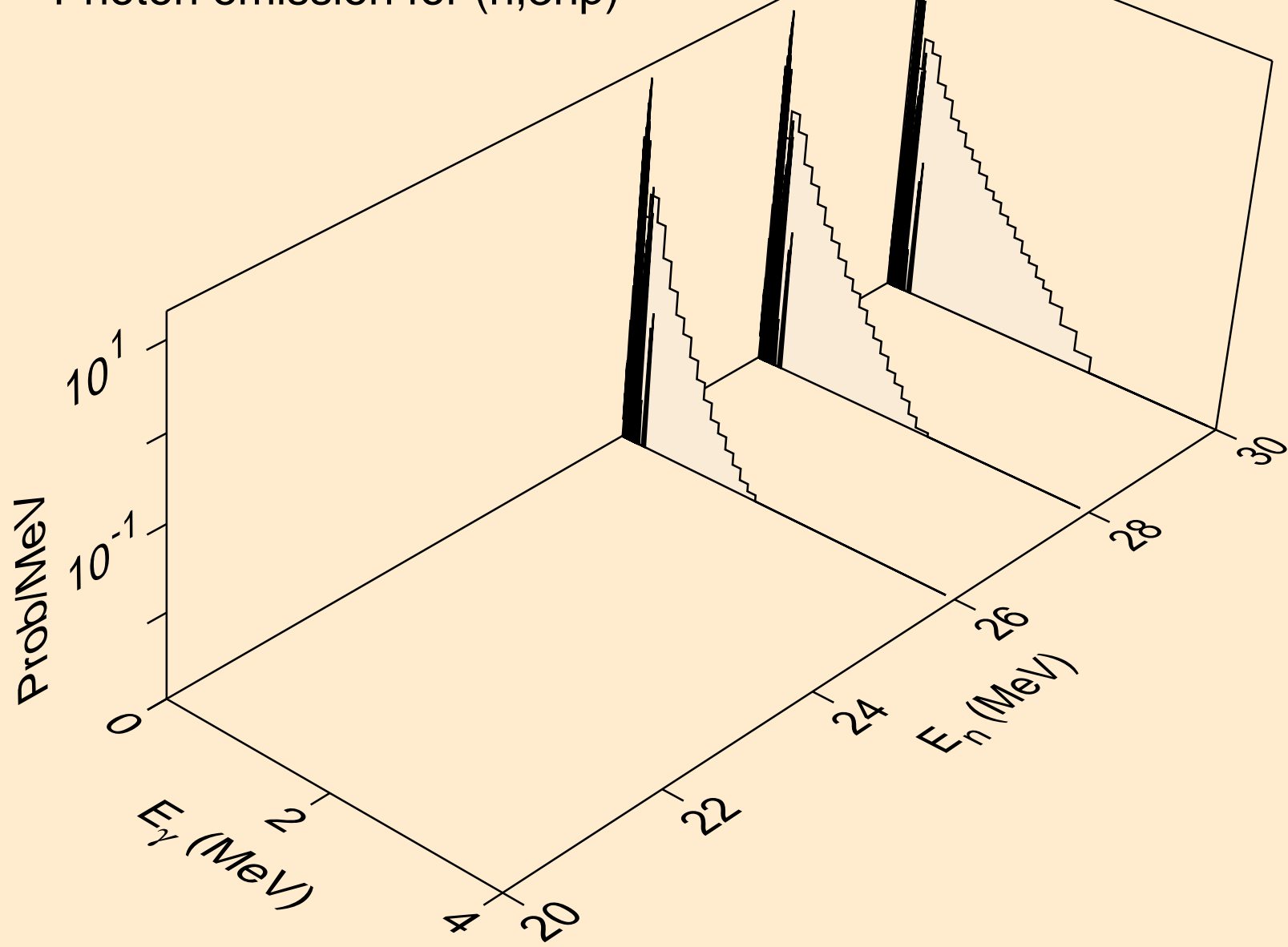
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



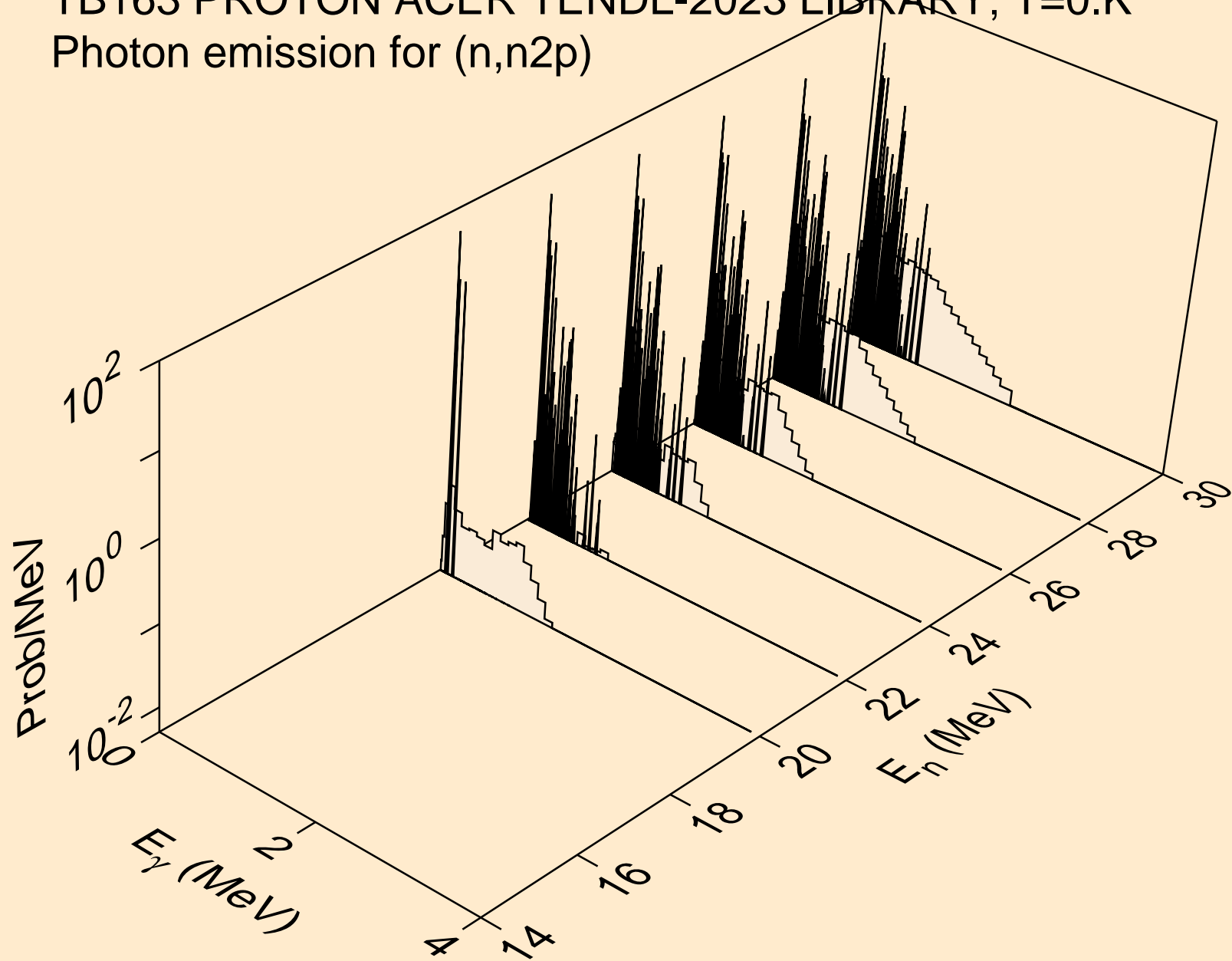
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Photon emission for (n,2np)



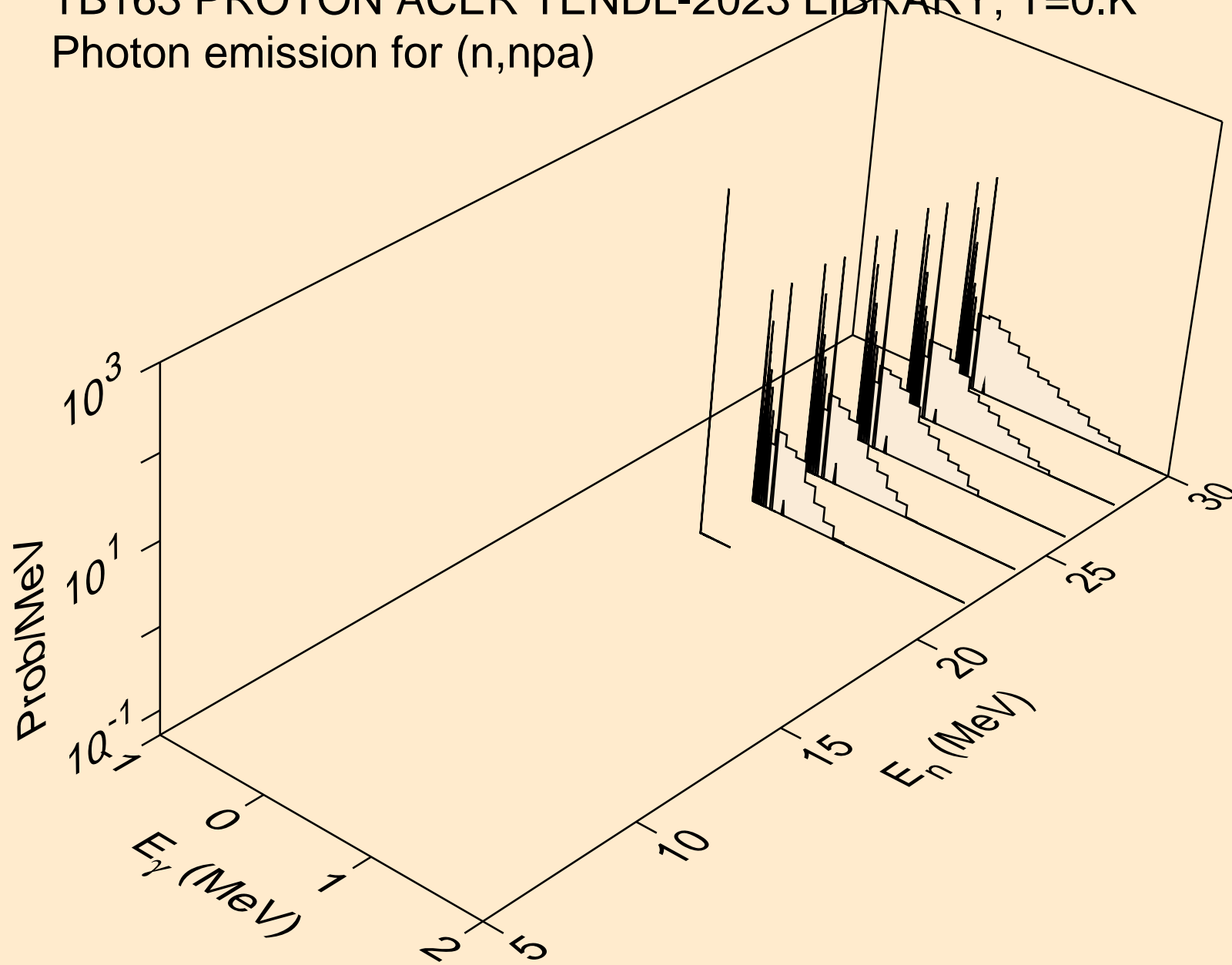
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Photon emission for (n,3np)



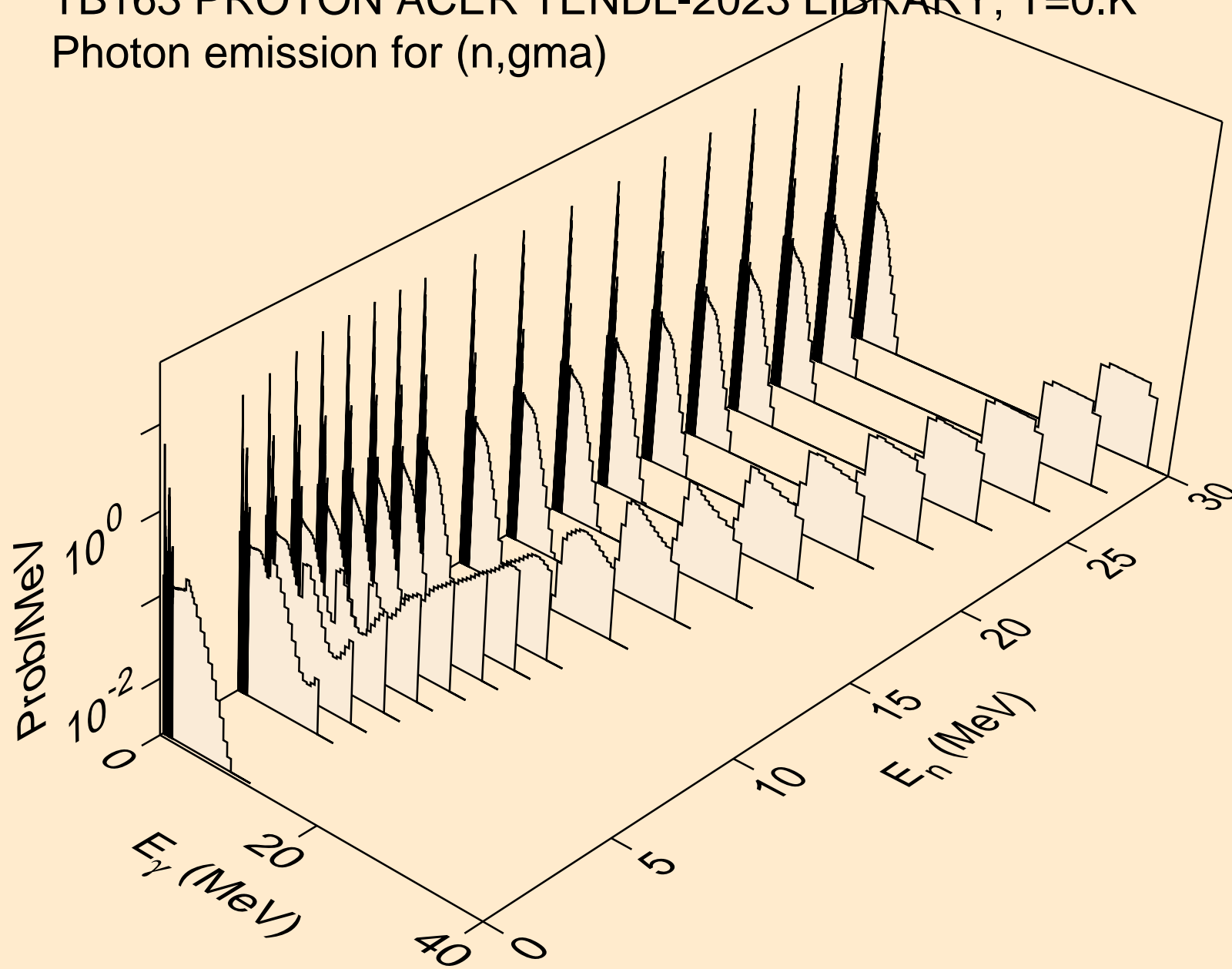
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Photon emission for (n,n2p)



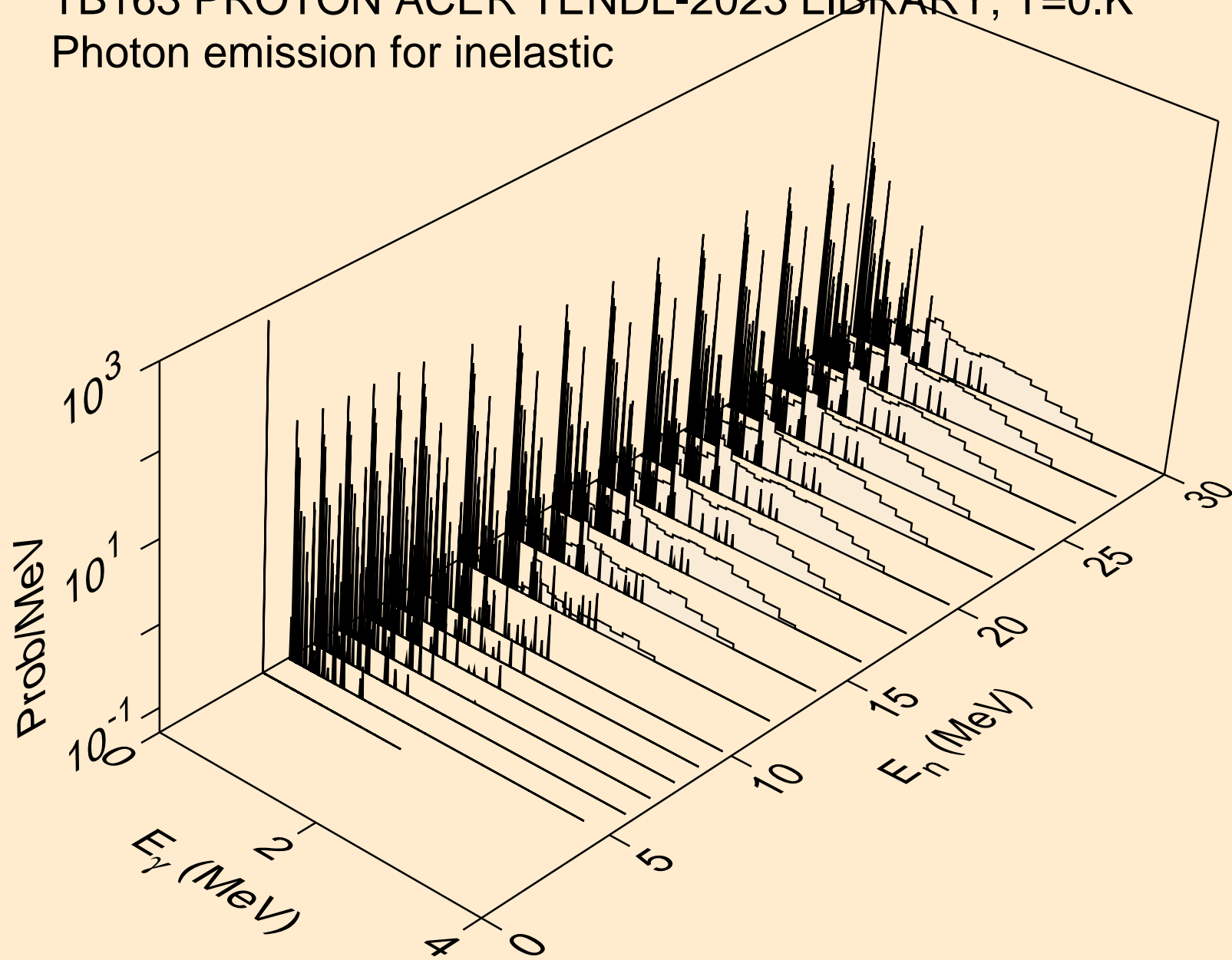
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Photon emission for (n,npa)



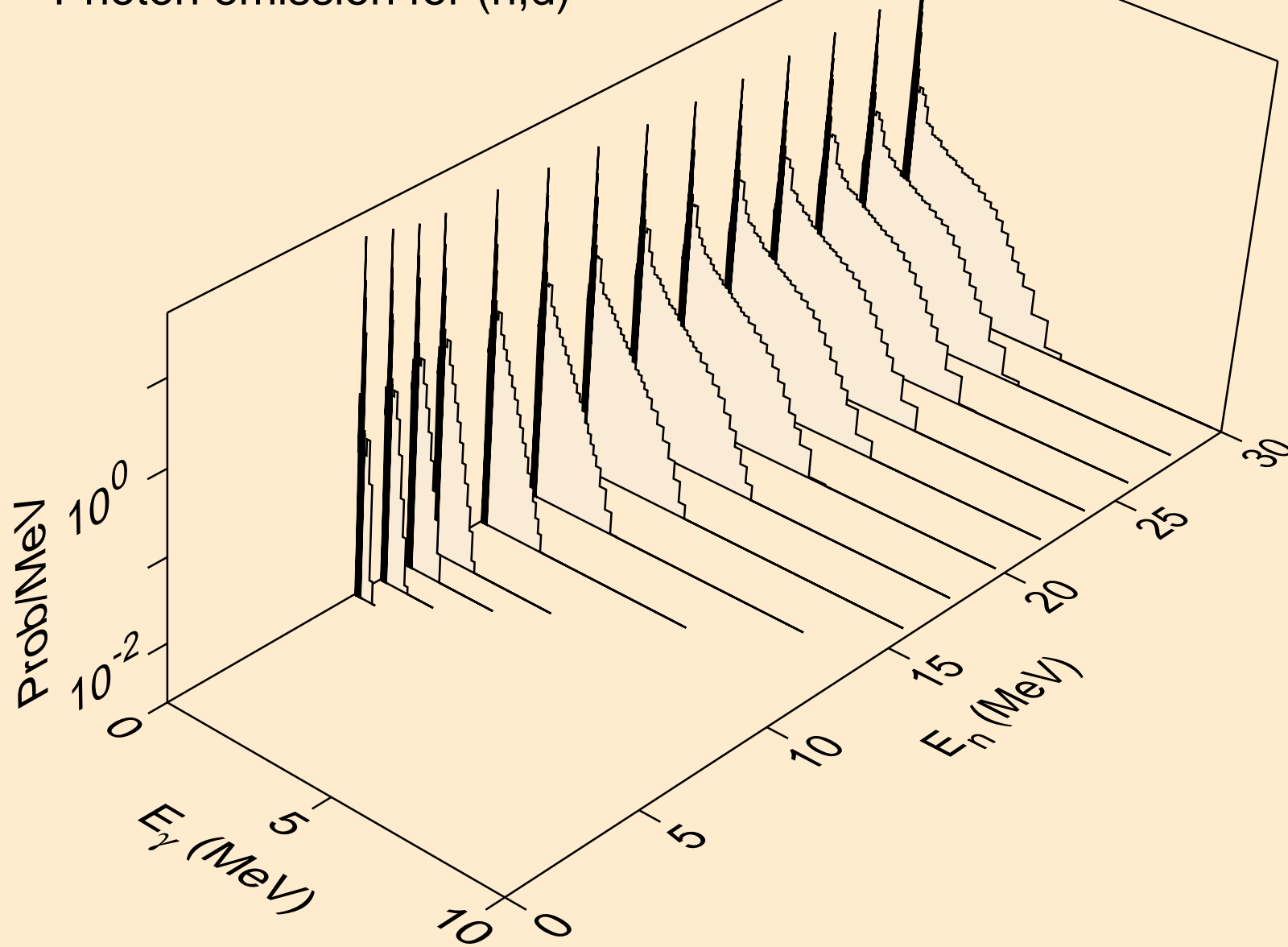
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic

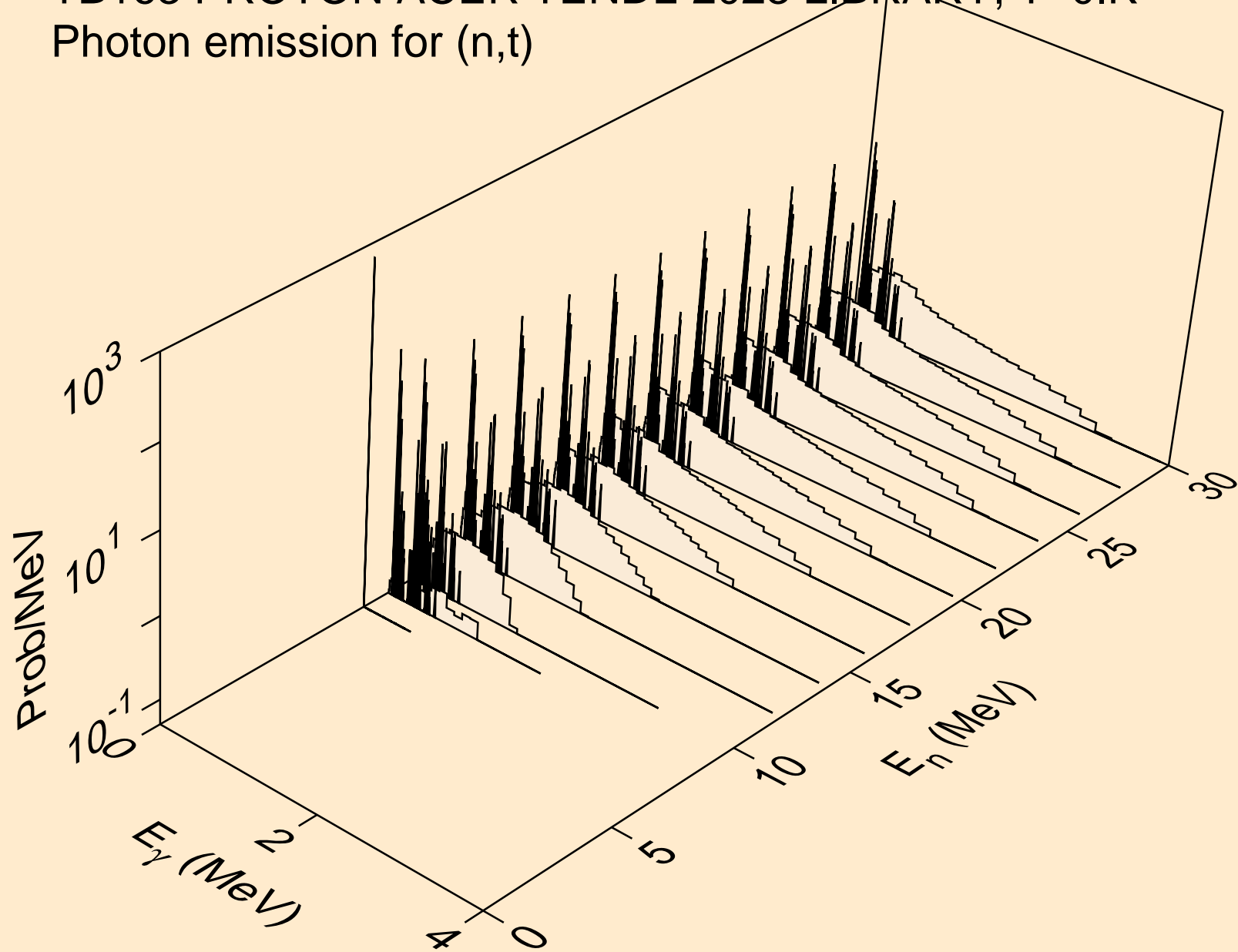


TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)

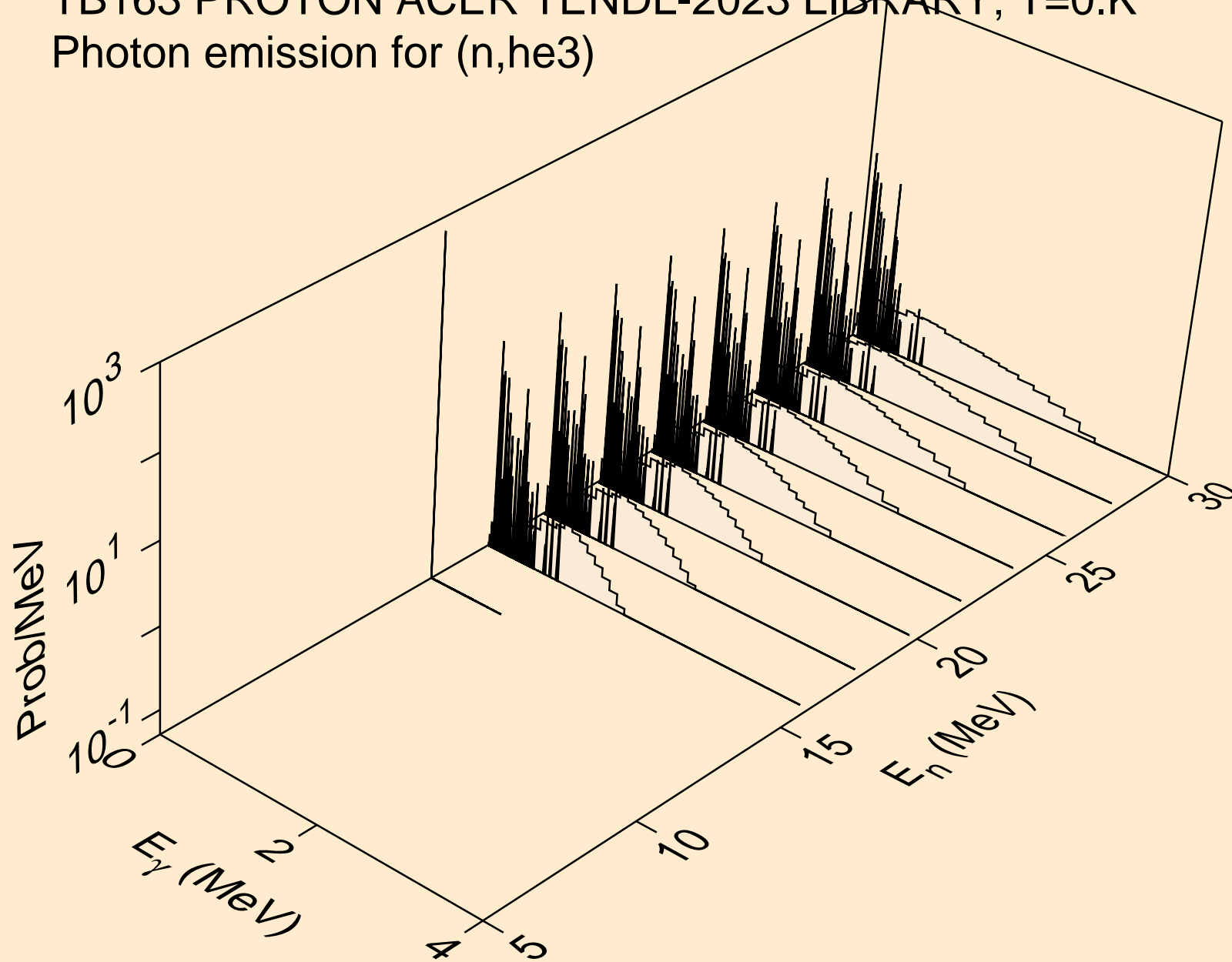




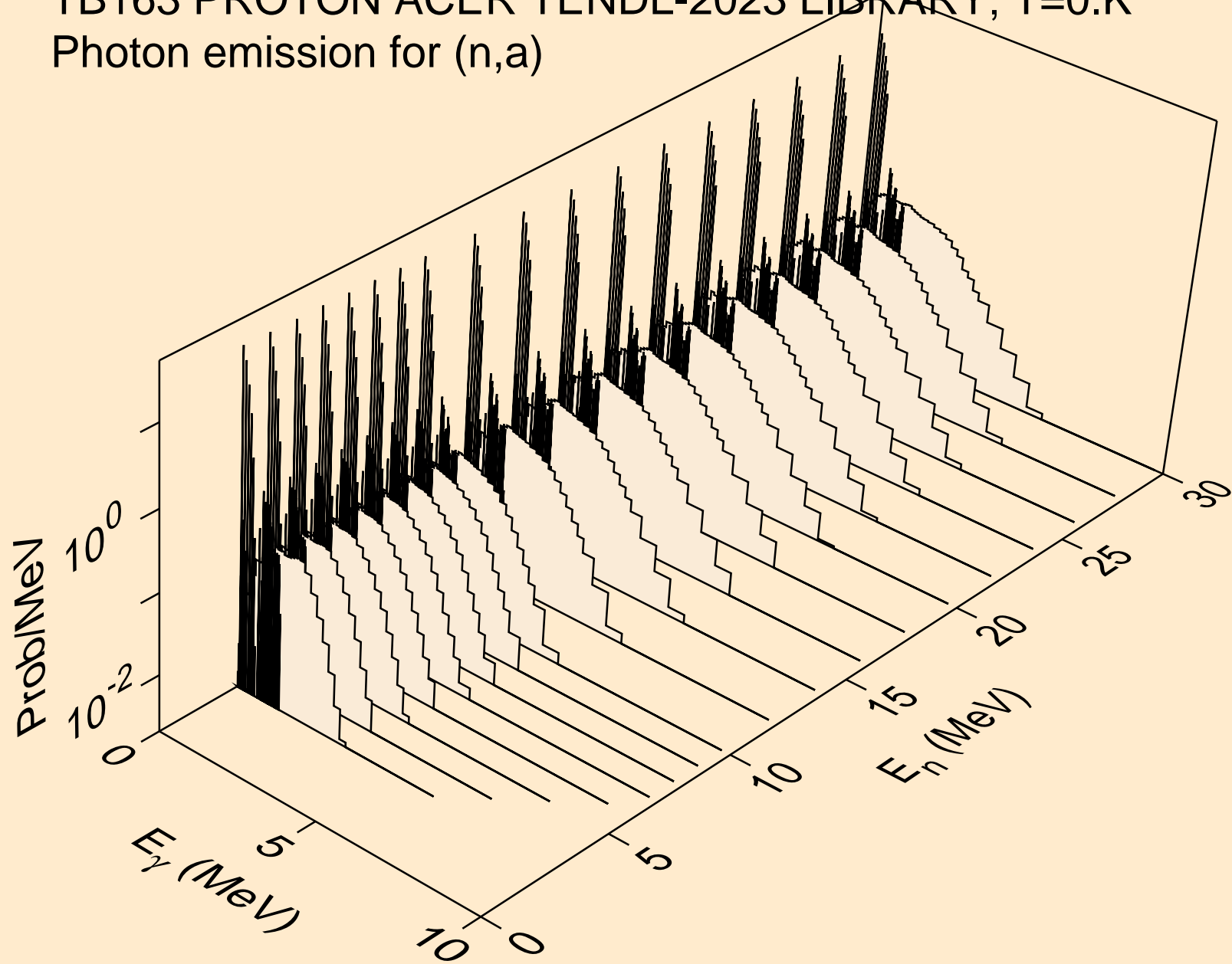
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Photon emission for (n,t)



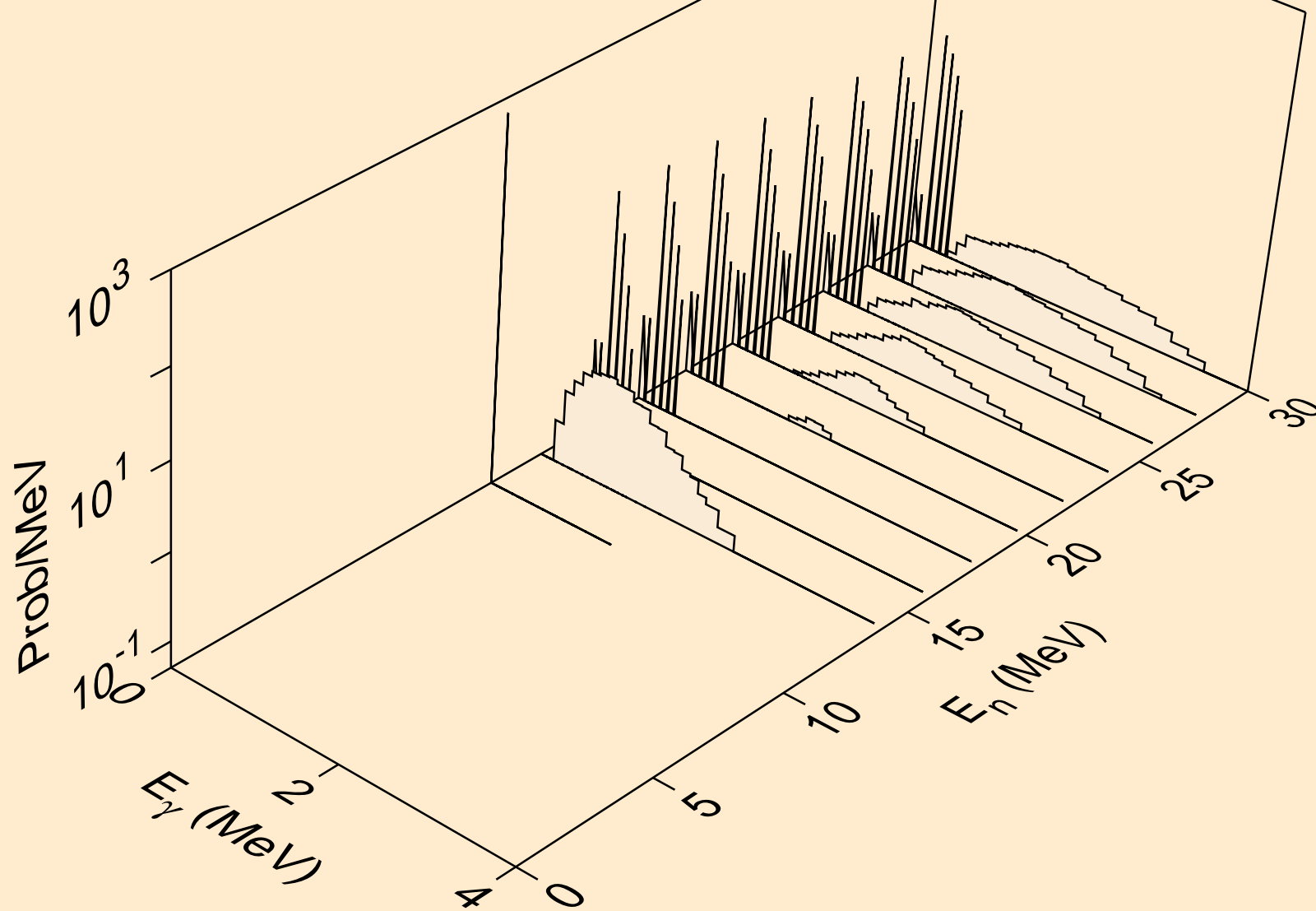
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Photon emission for (n,he3)



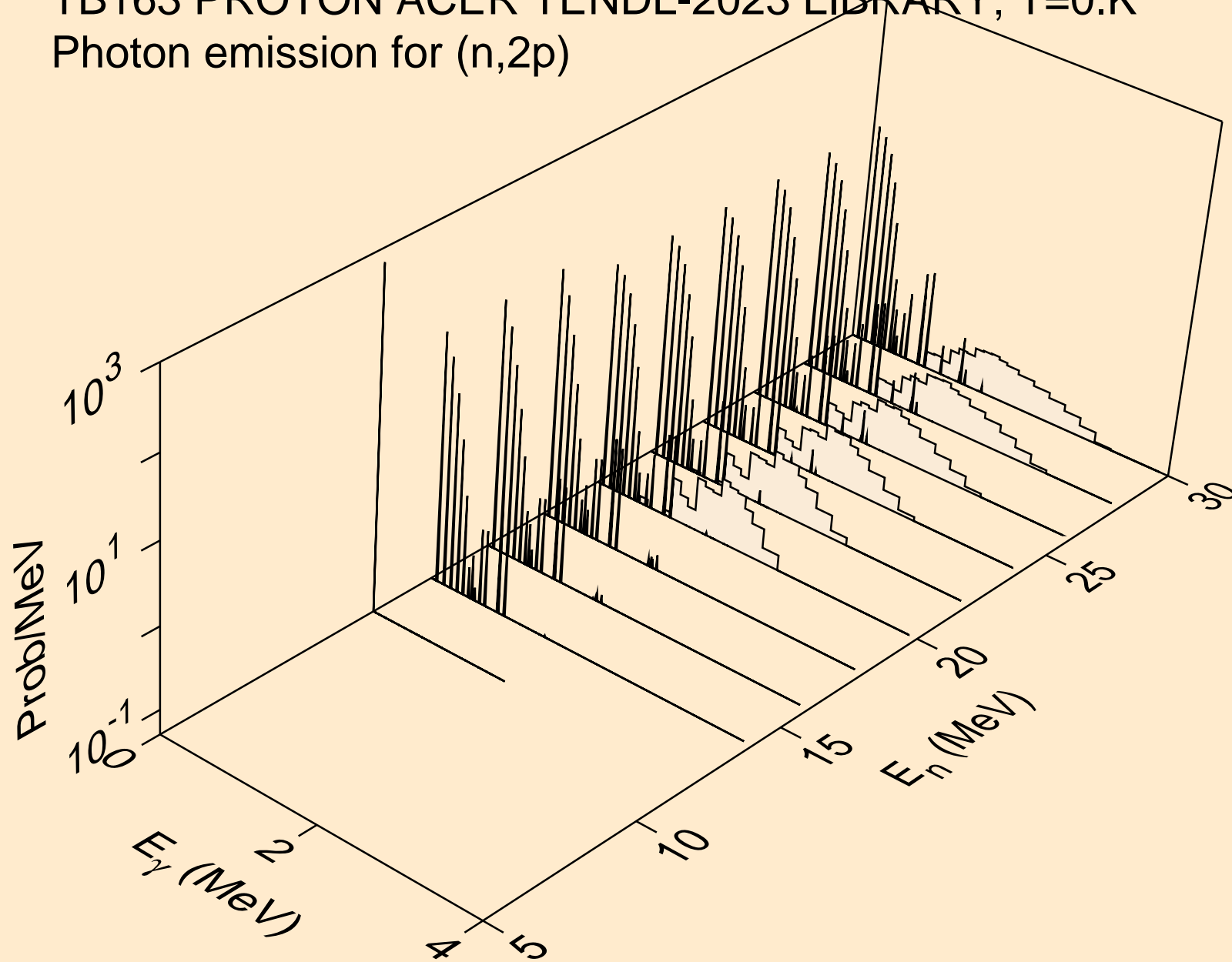
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Photon emission for (n,a)



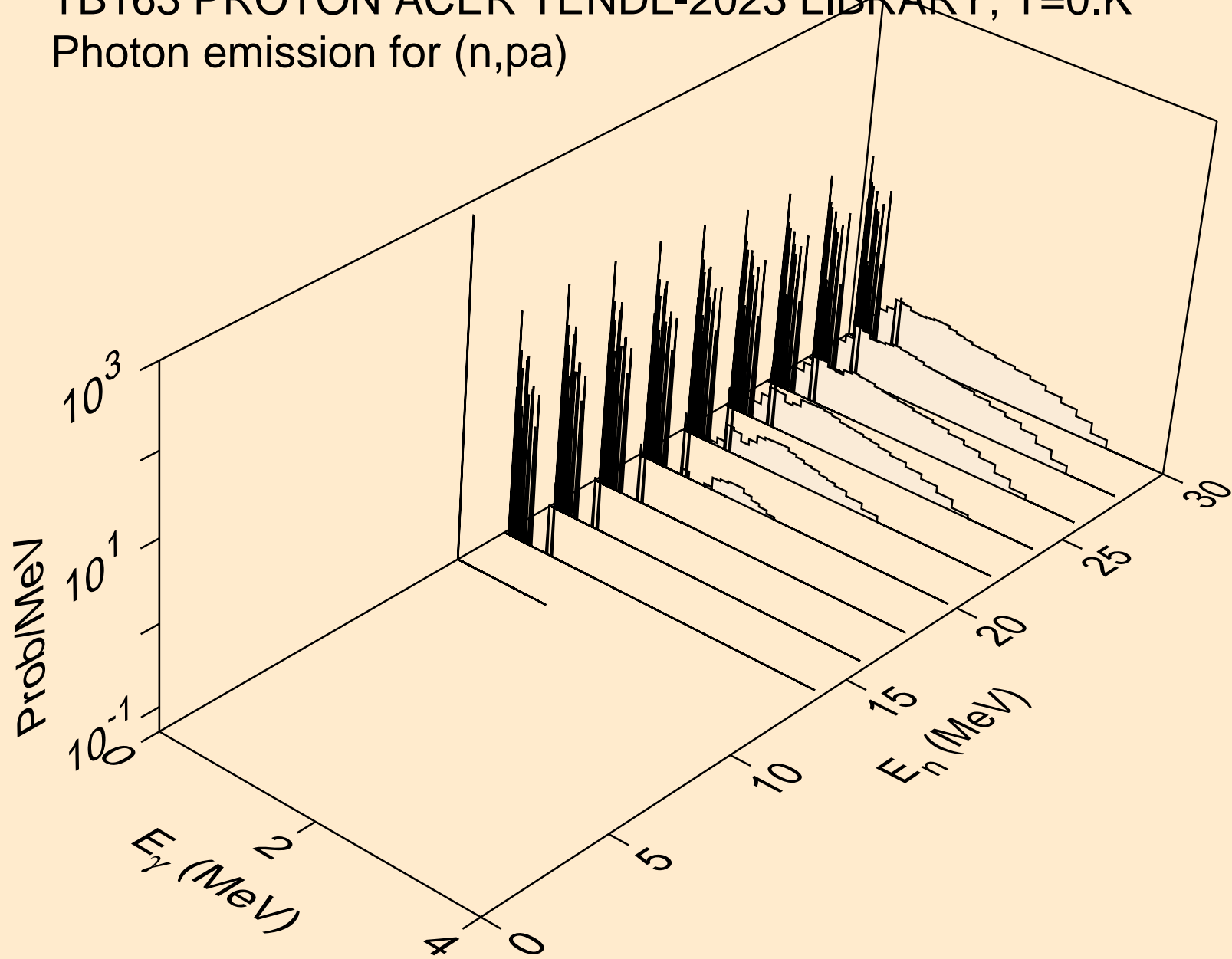
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Photon emission for (n,2a)



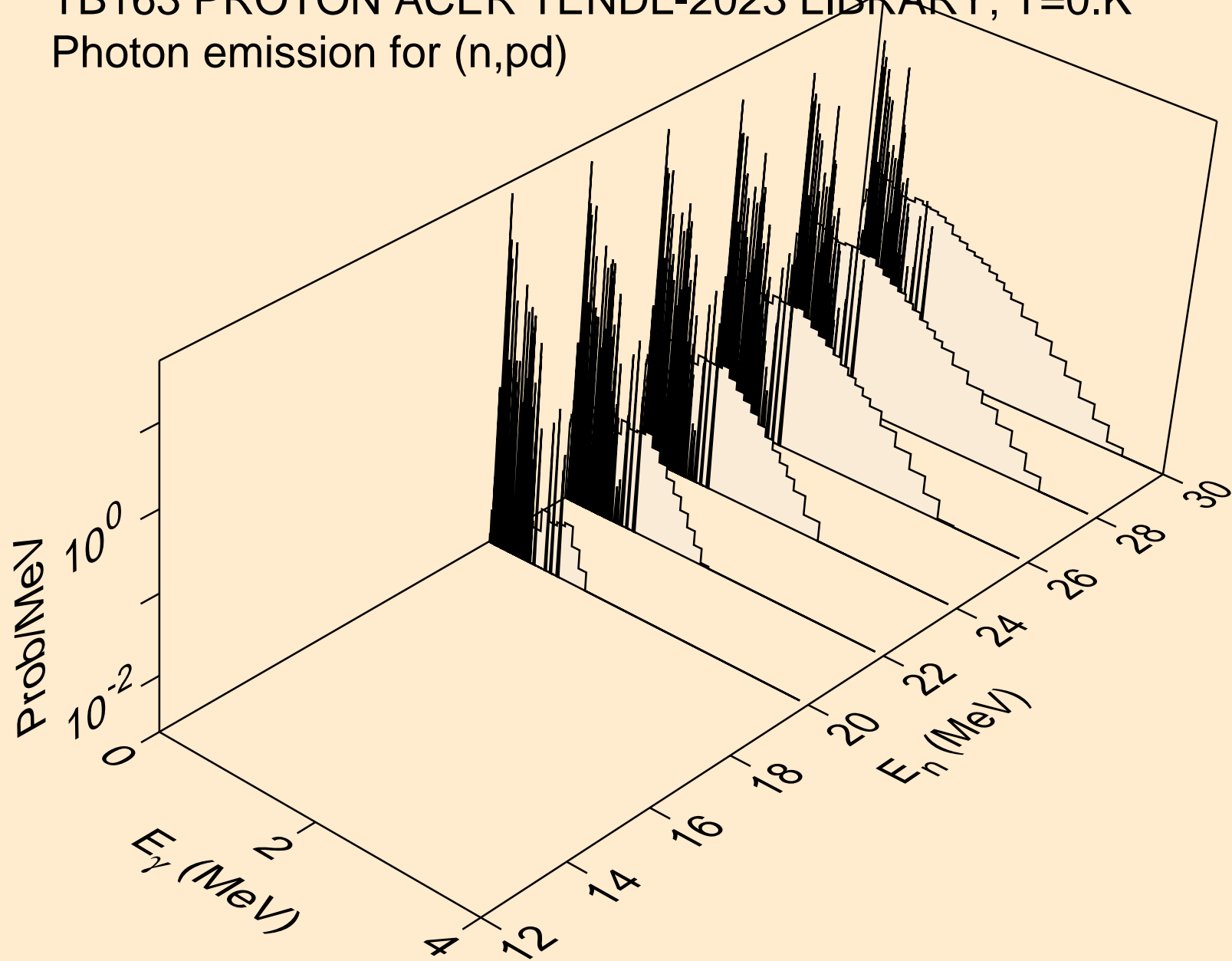
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)

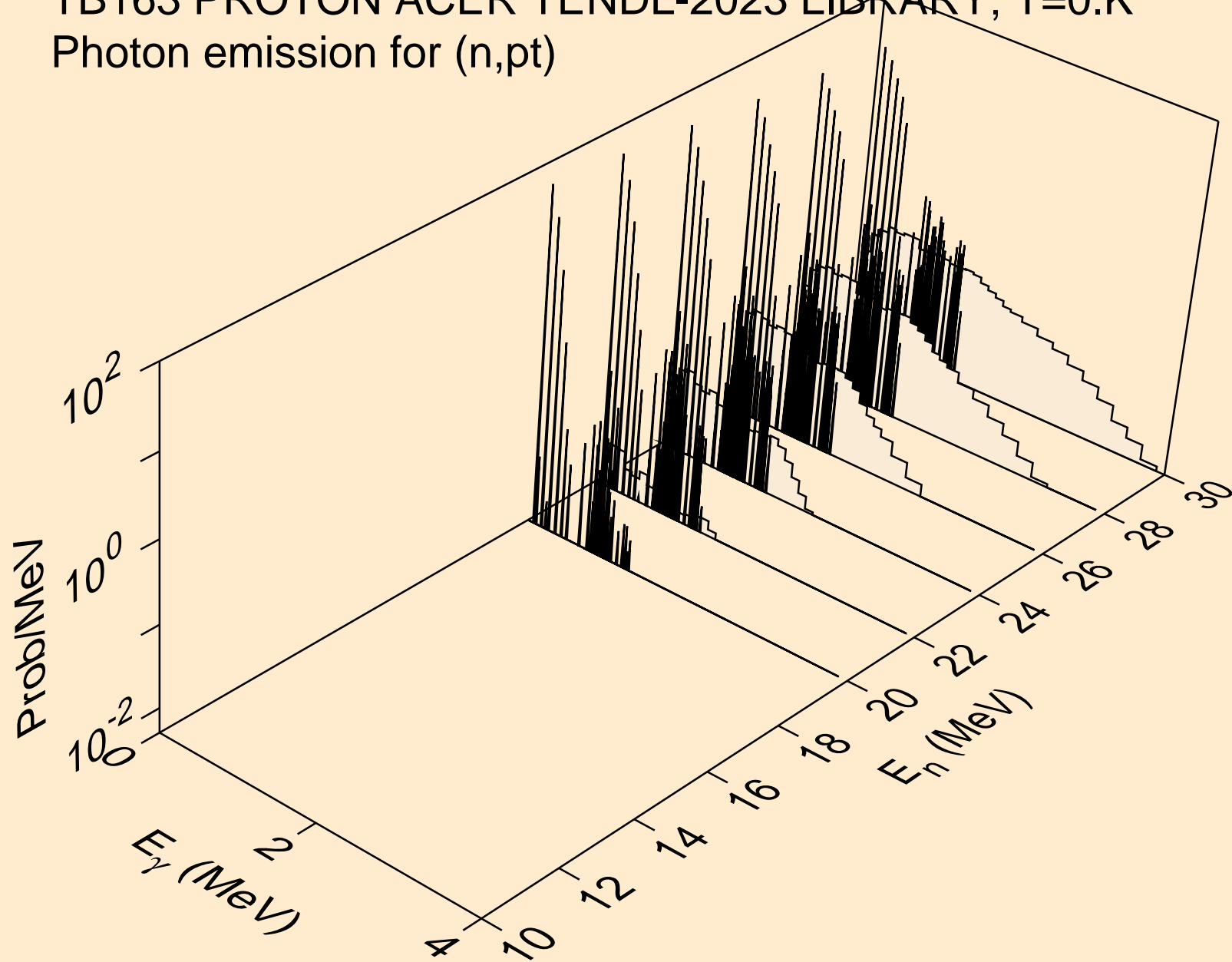


TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



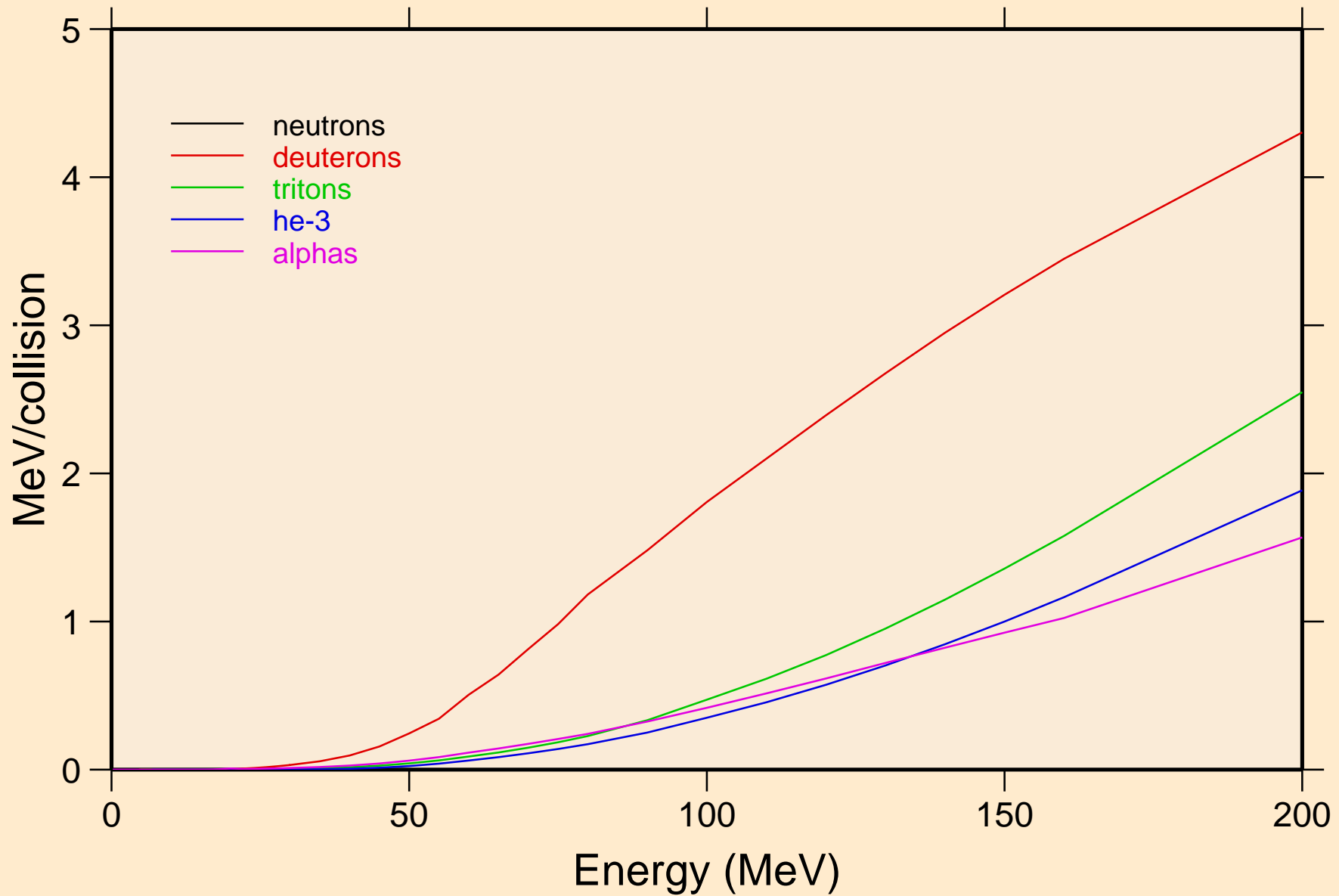
# TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Photon emission for (n,pt)



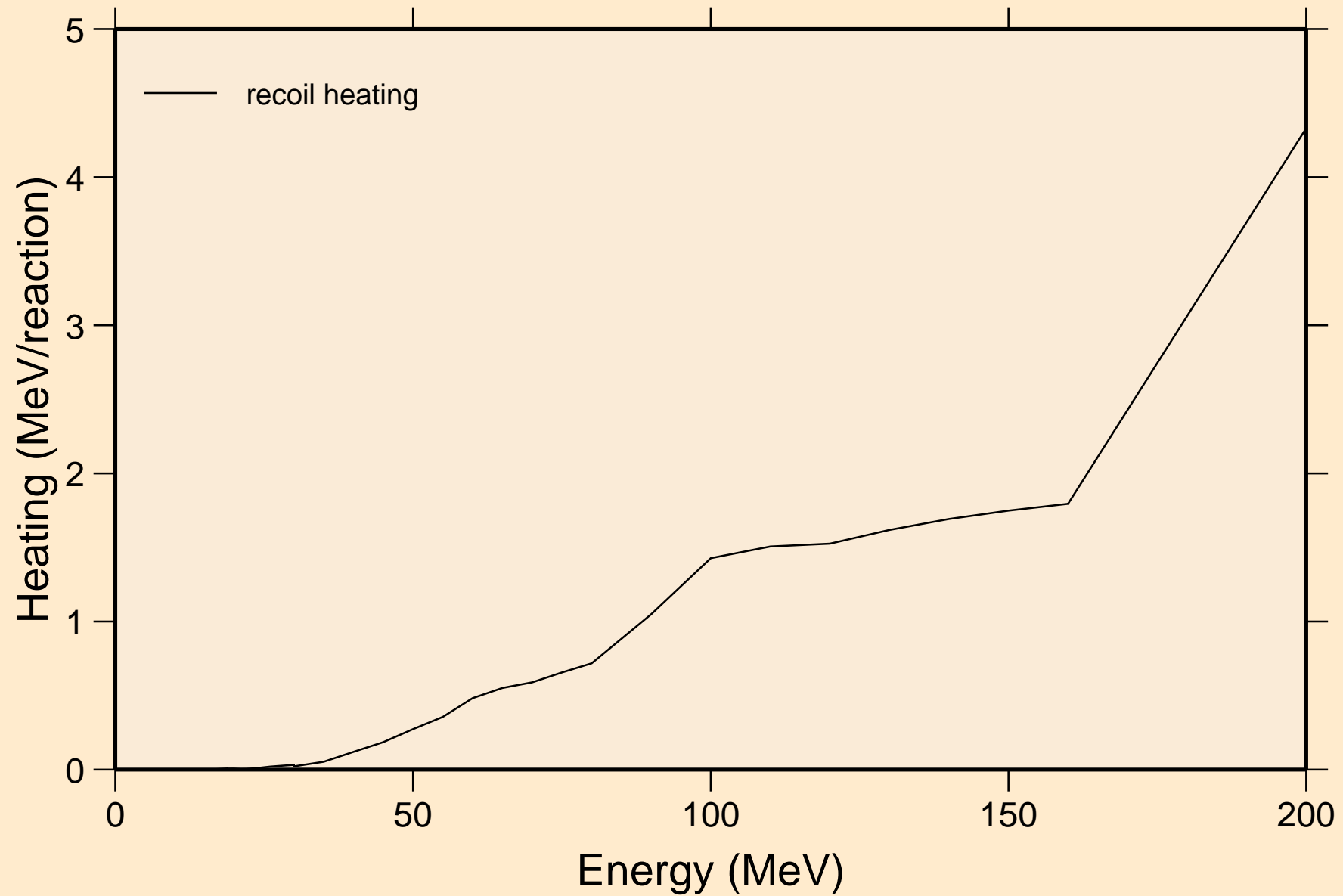


TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions

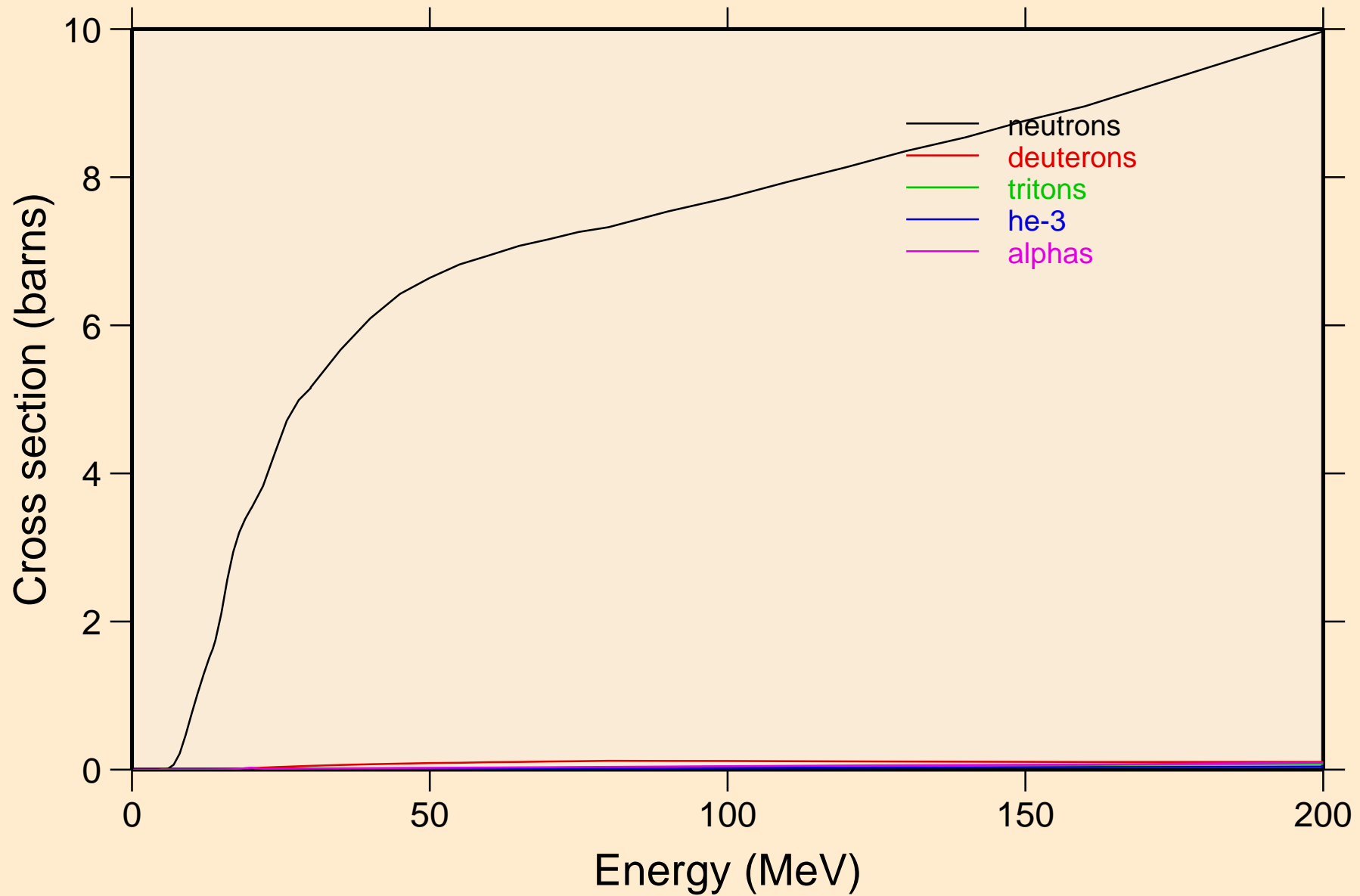


# TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K

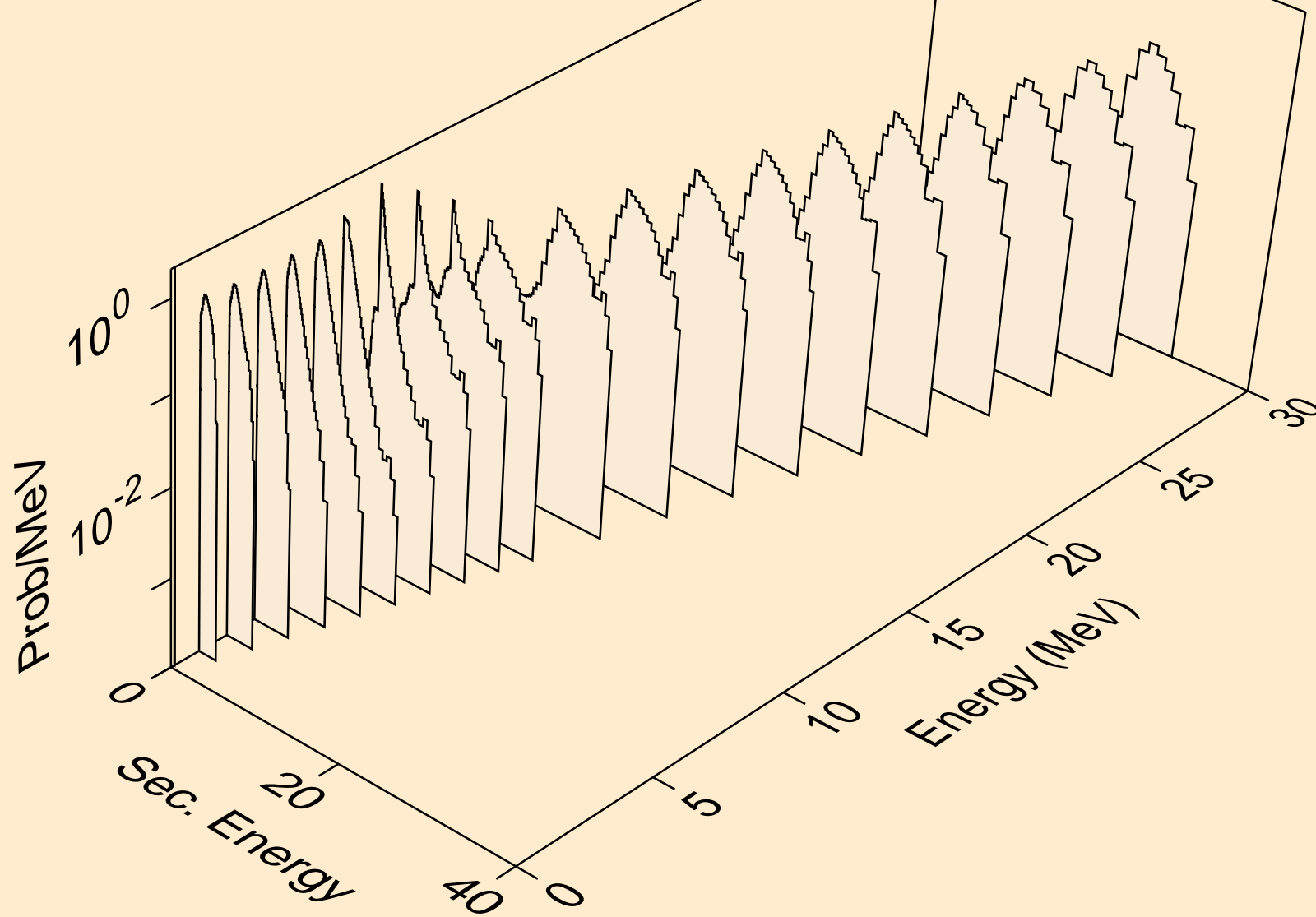
## Recoil Heating



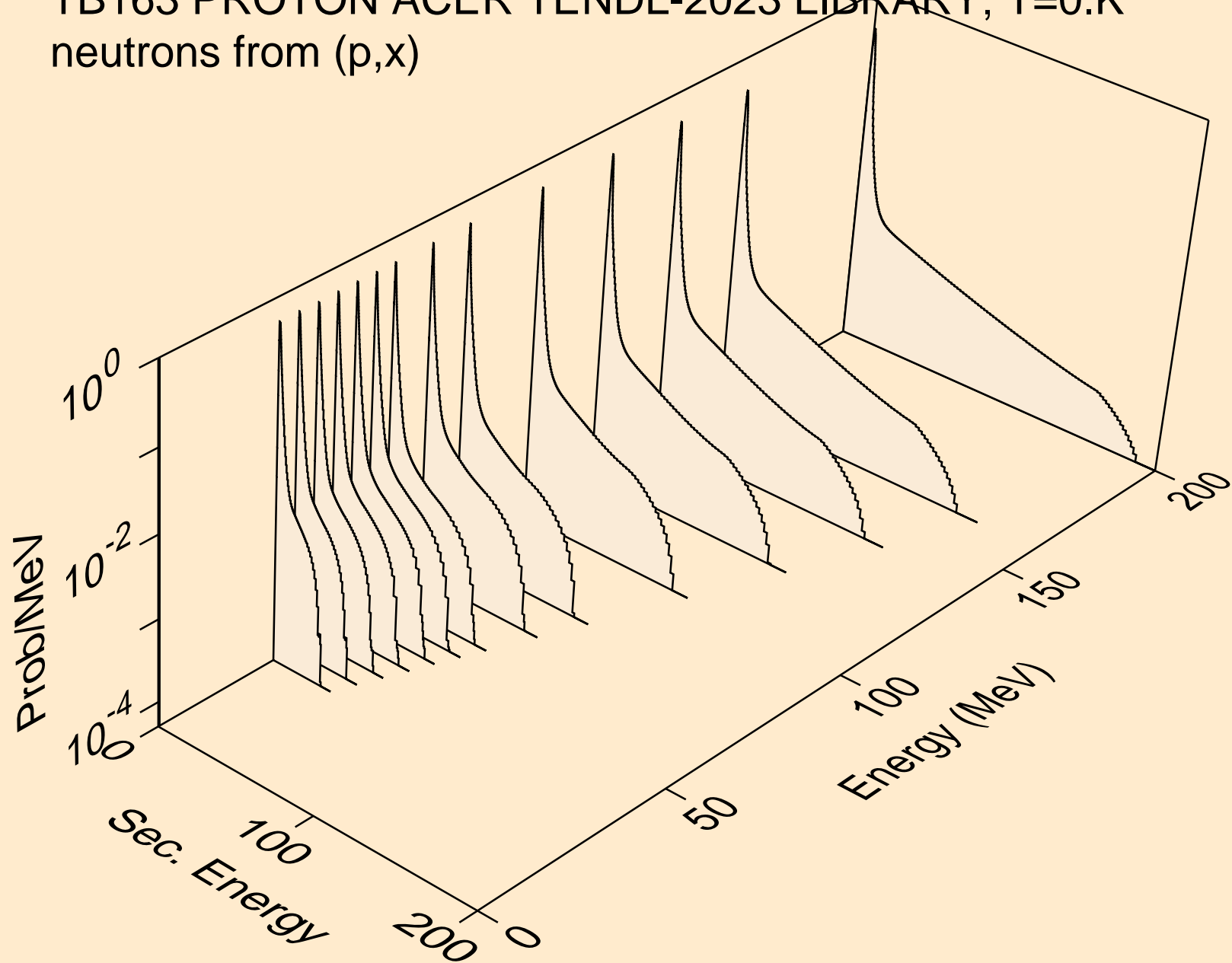
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



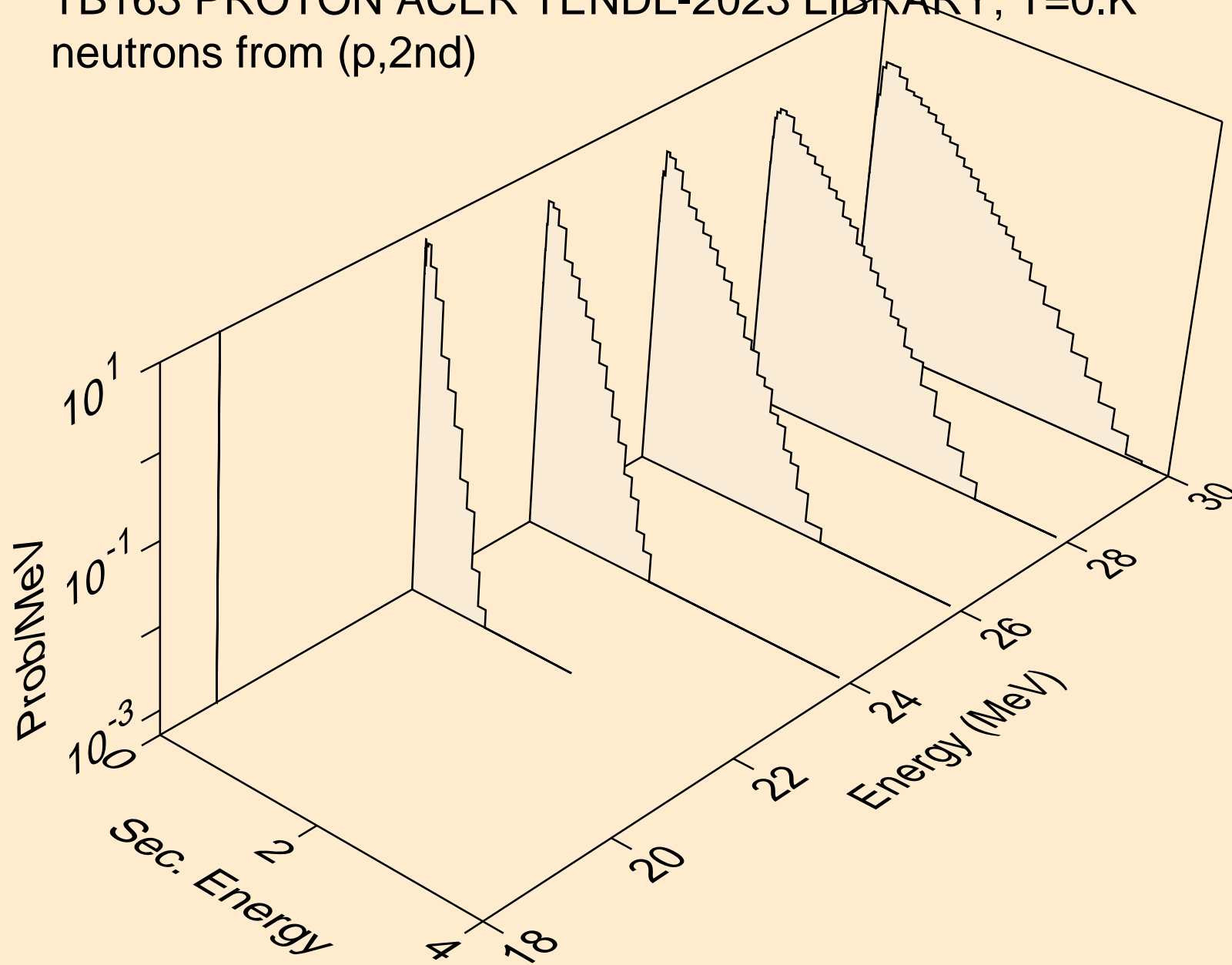
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



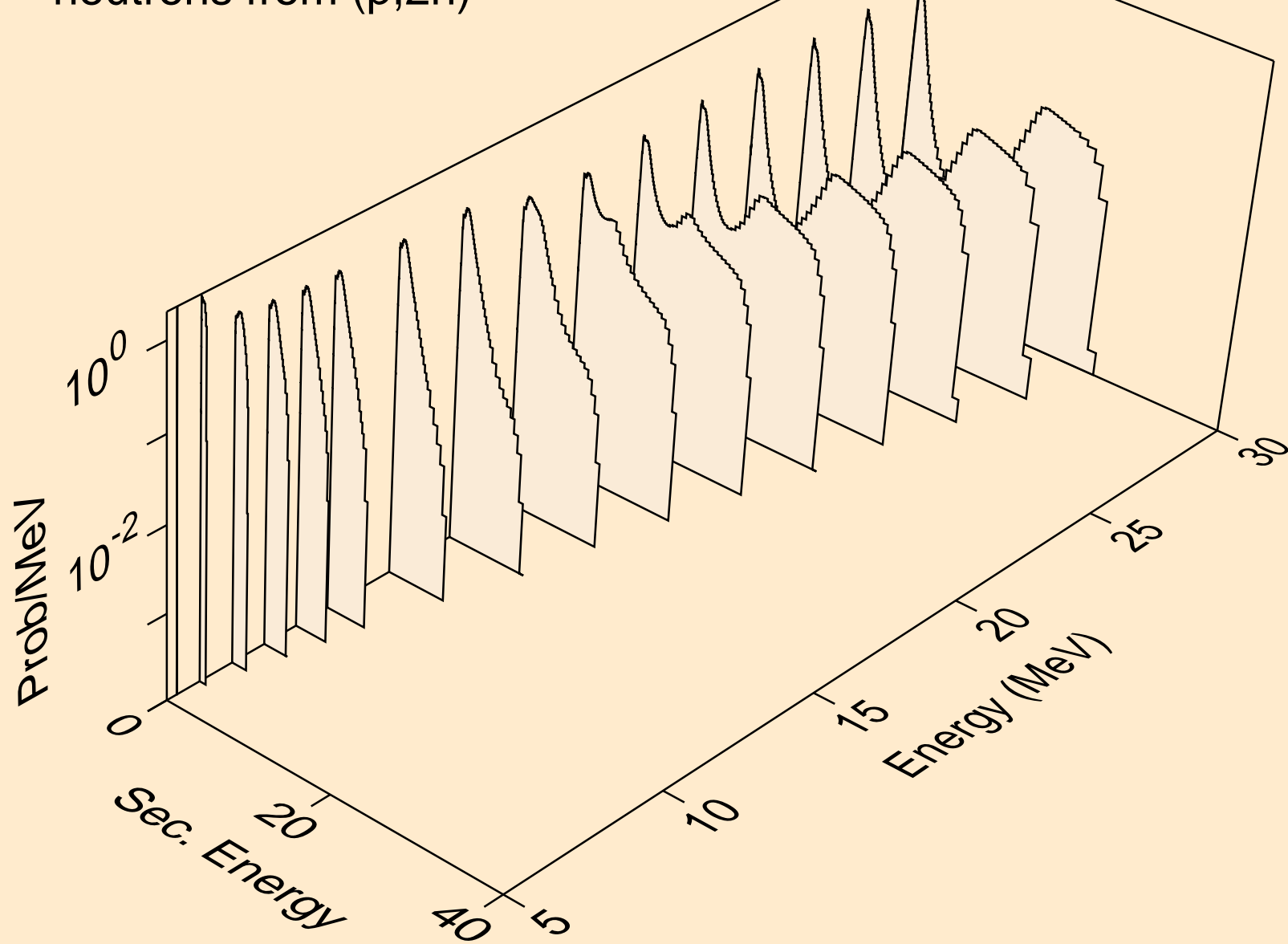
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)



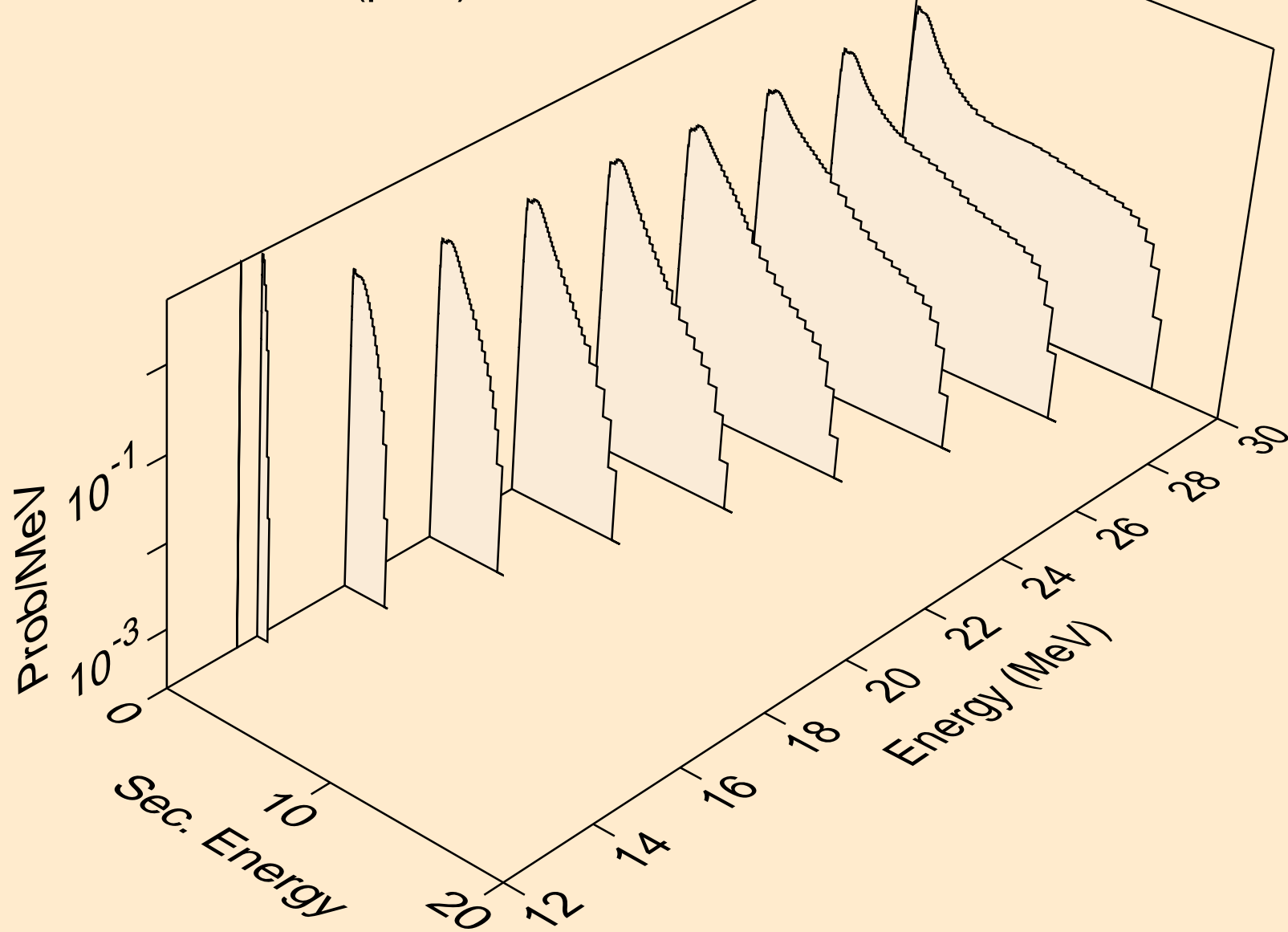
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2nd)



TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)

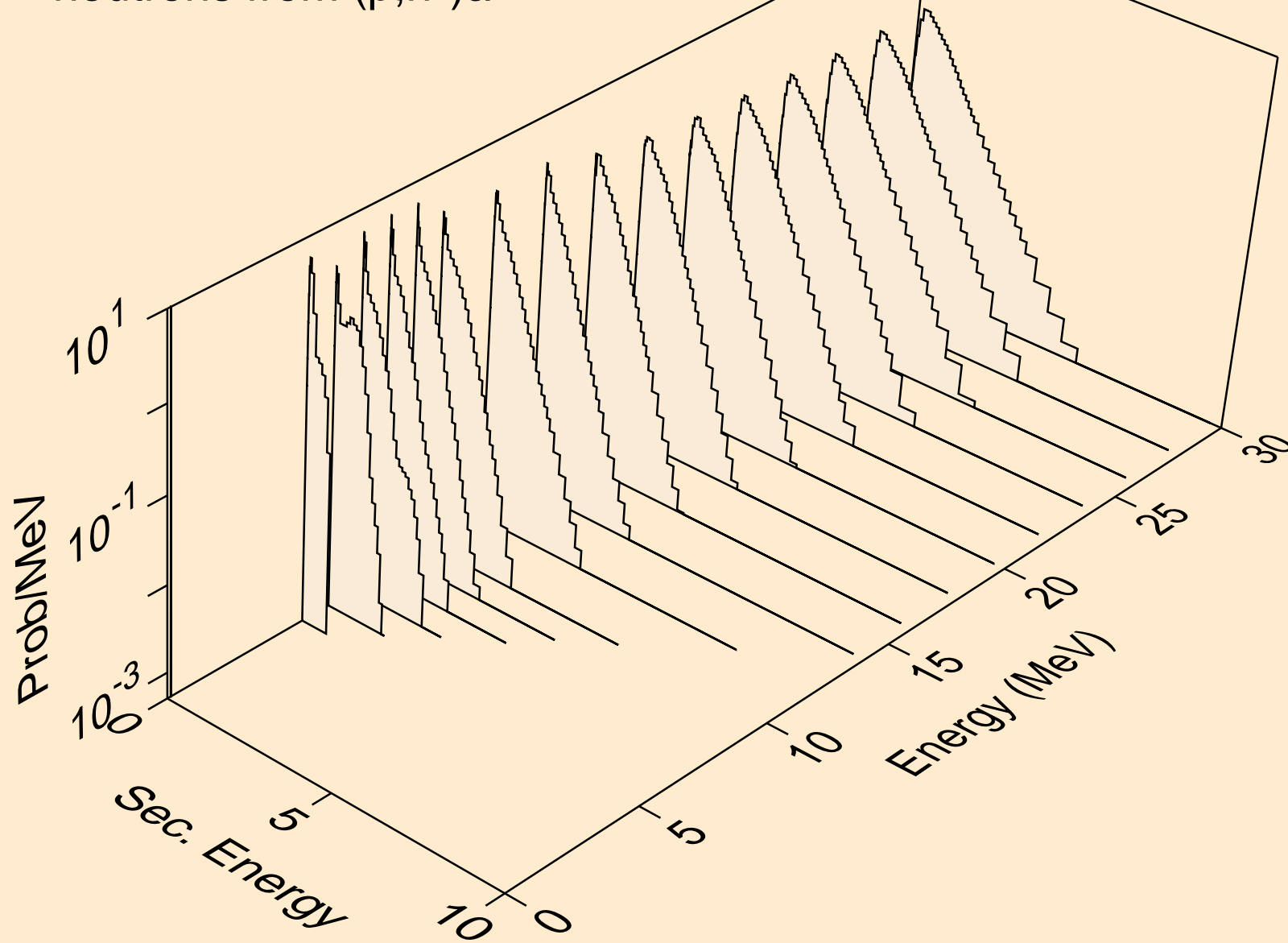


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neutrons from (p,3n)

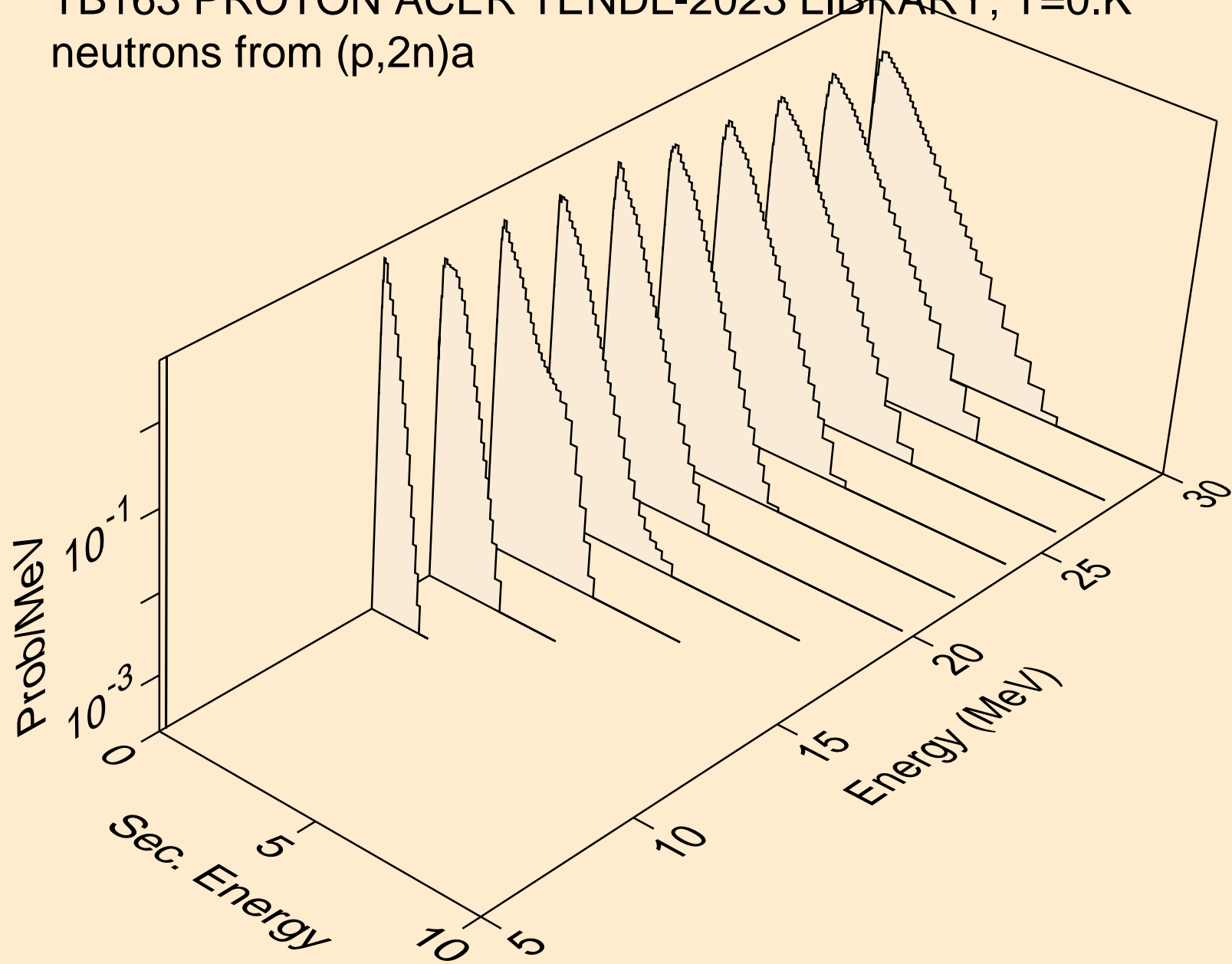




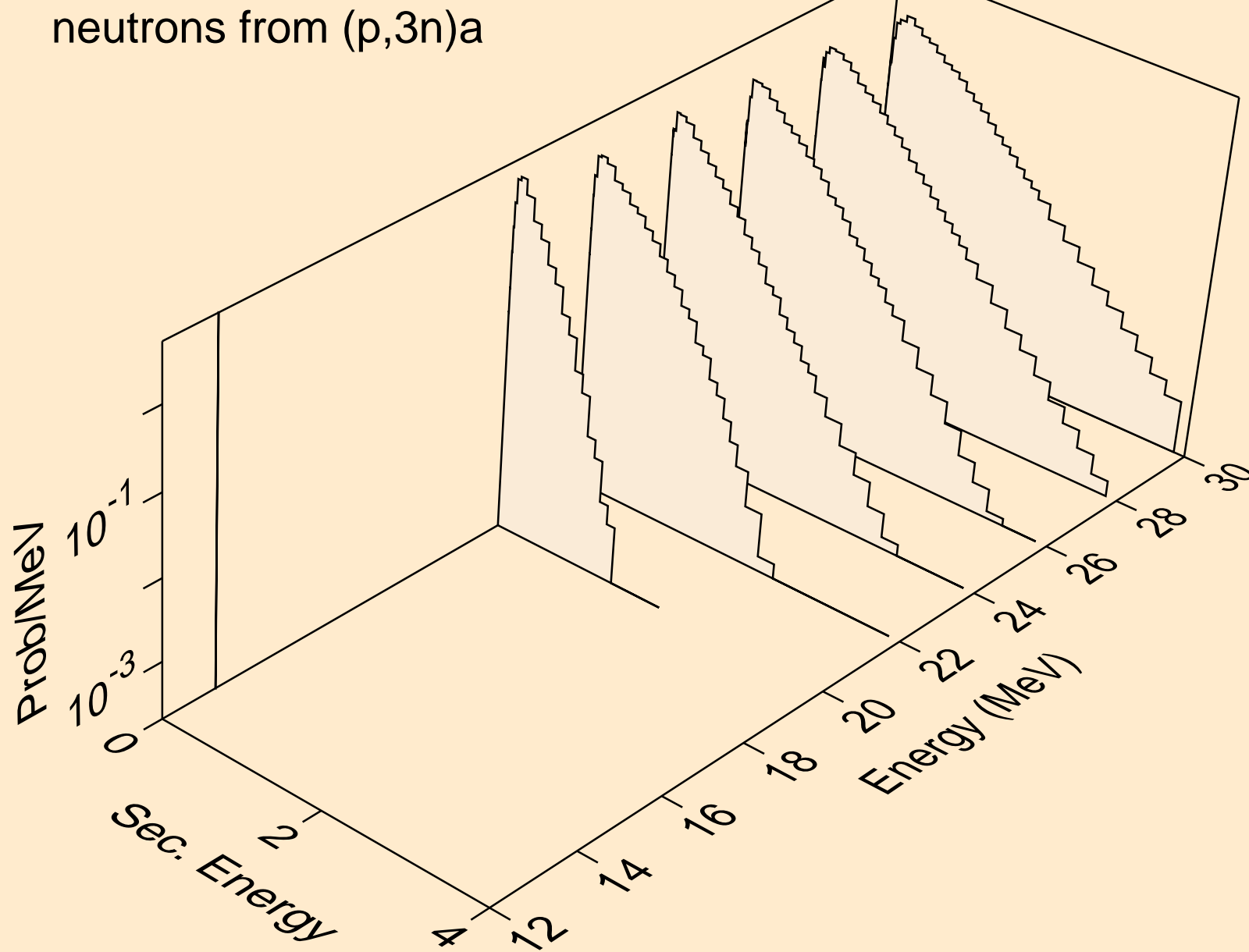
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a



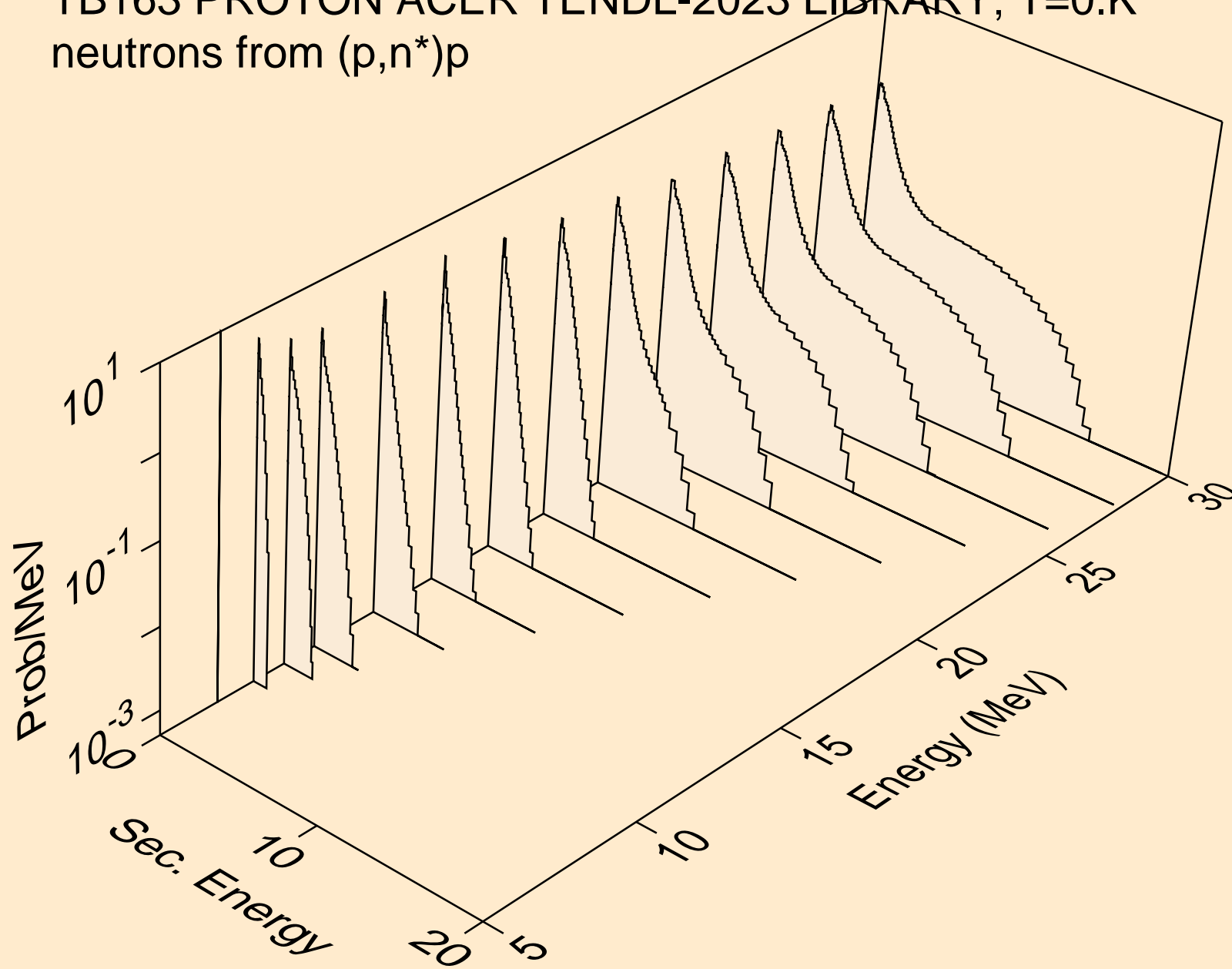
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neutrons from (p,2n)a



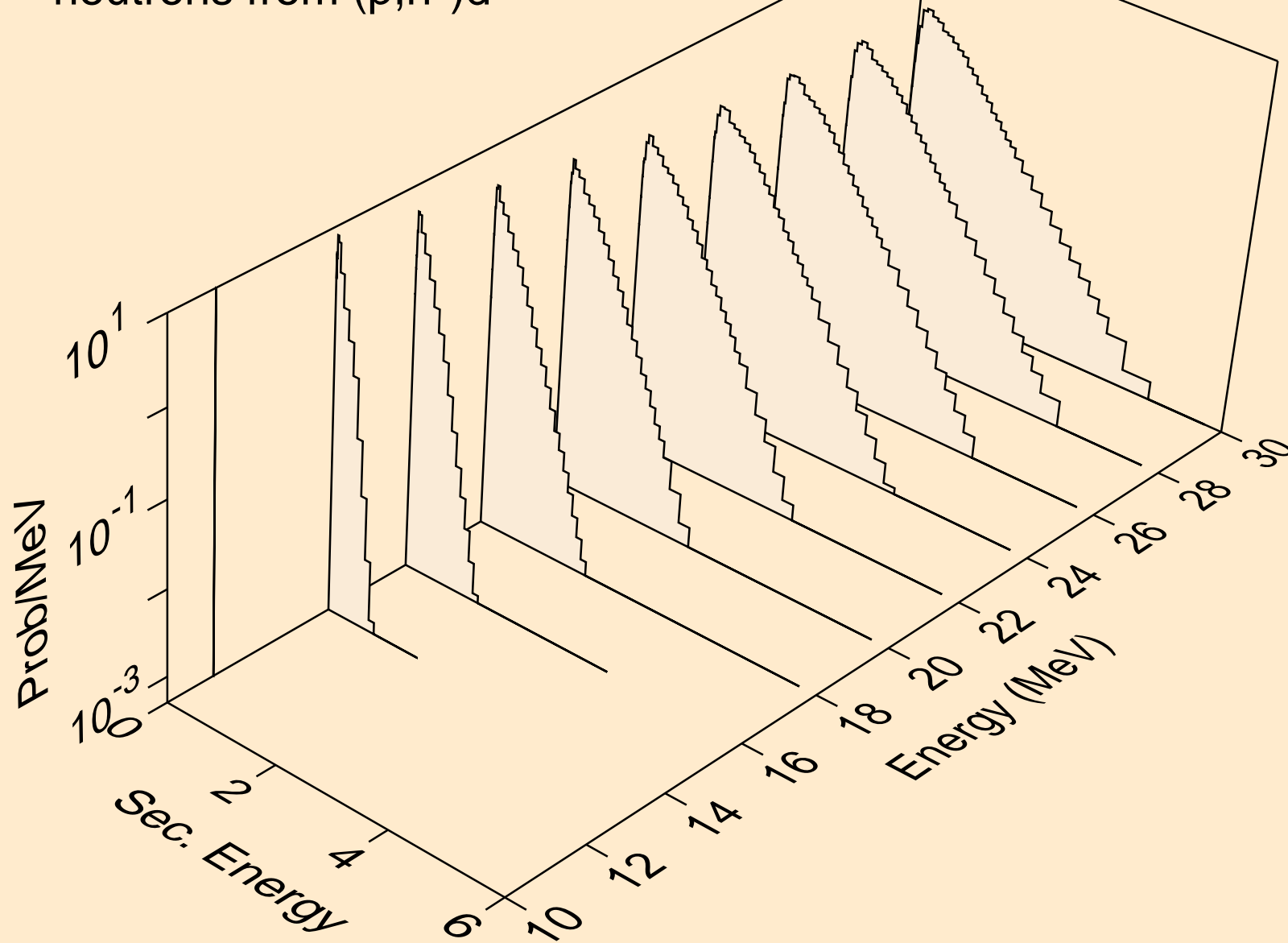
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neutrons from (p,3n)a



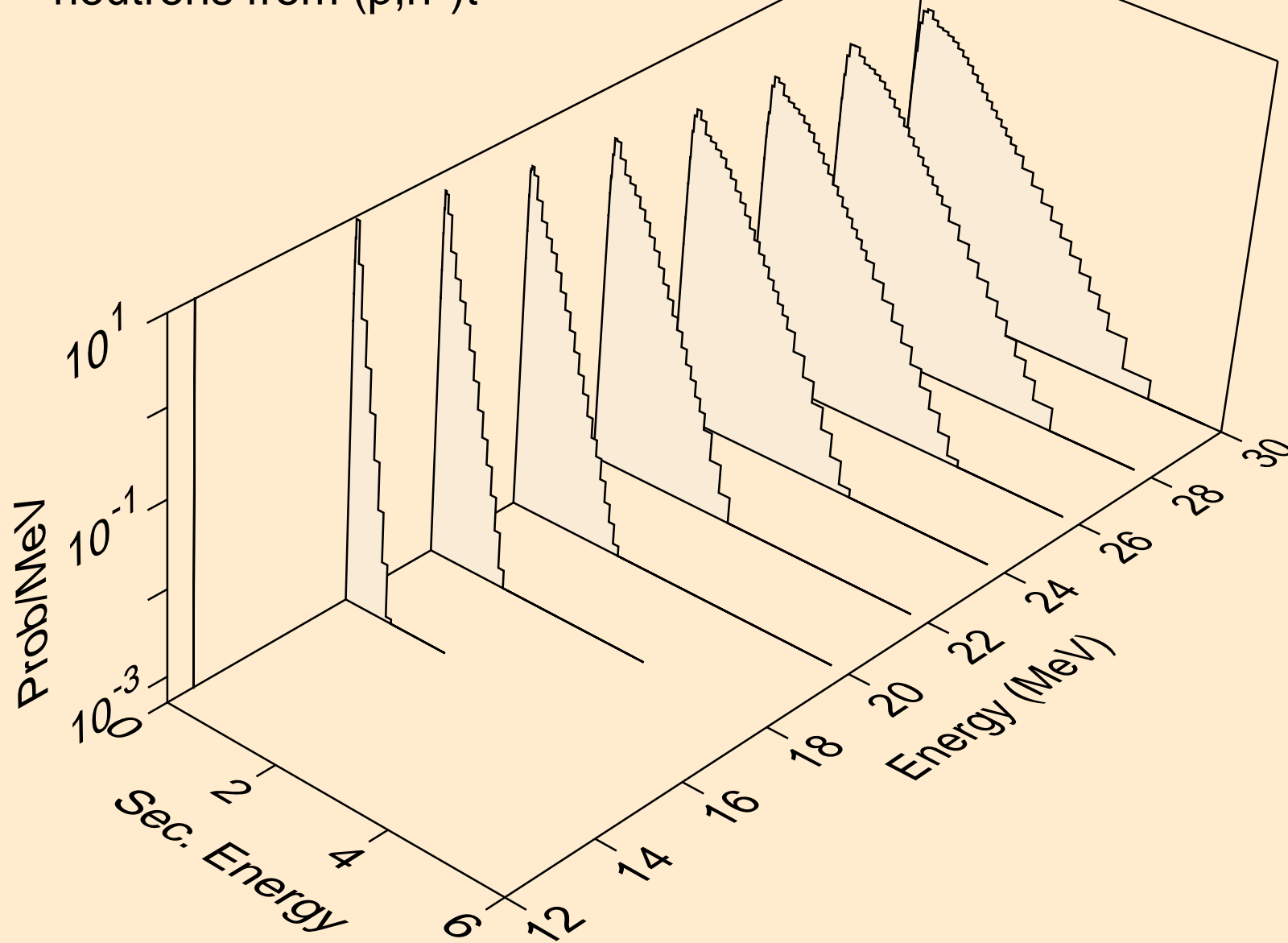
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neutrons from (p,n\*)p



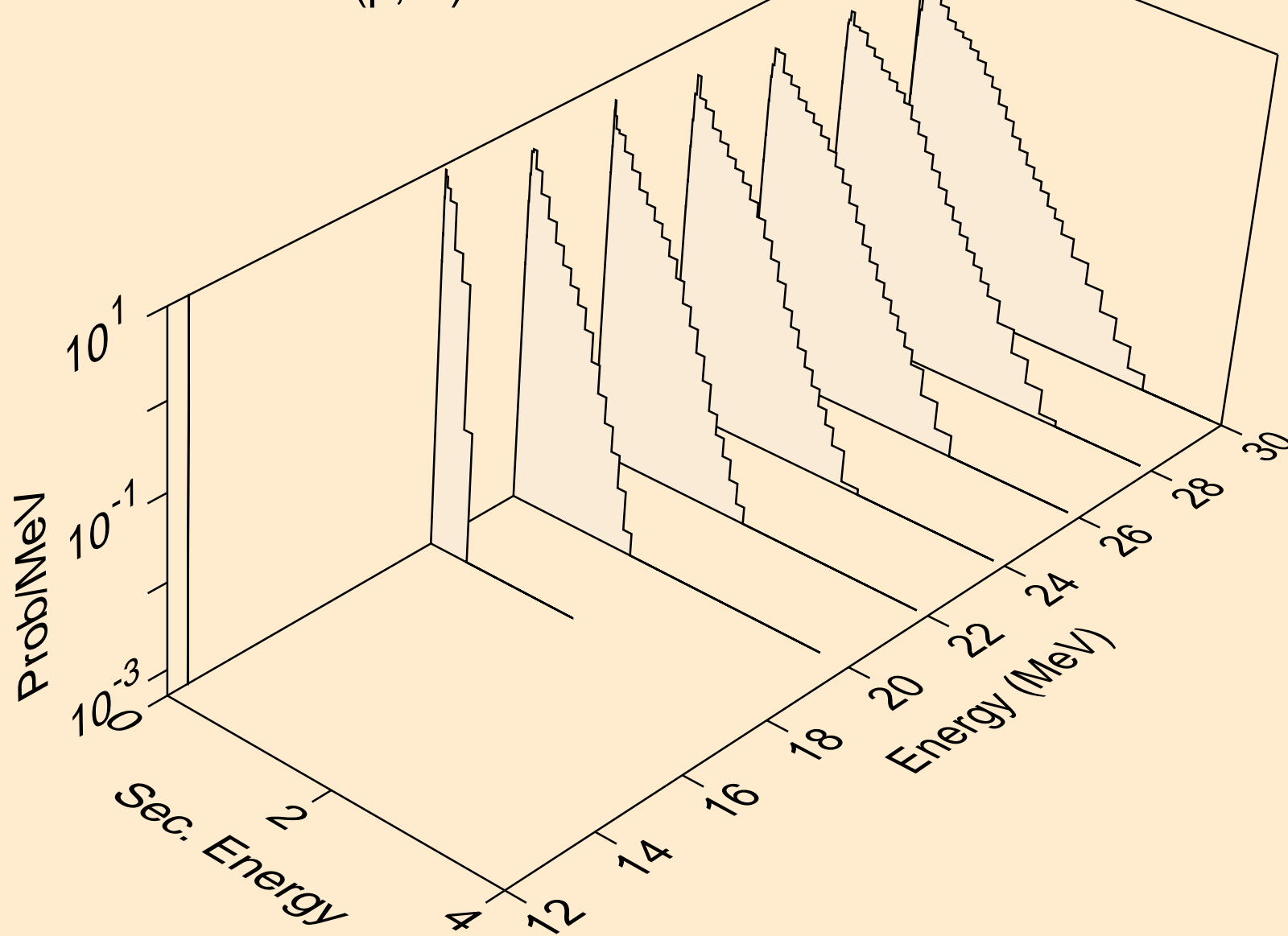
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)d



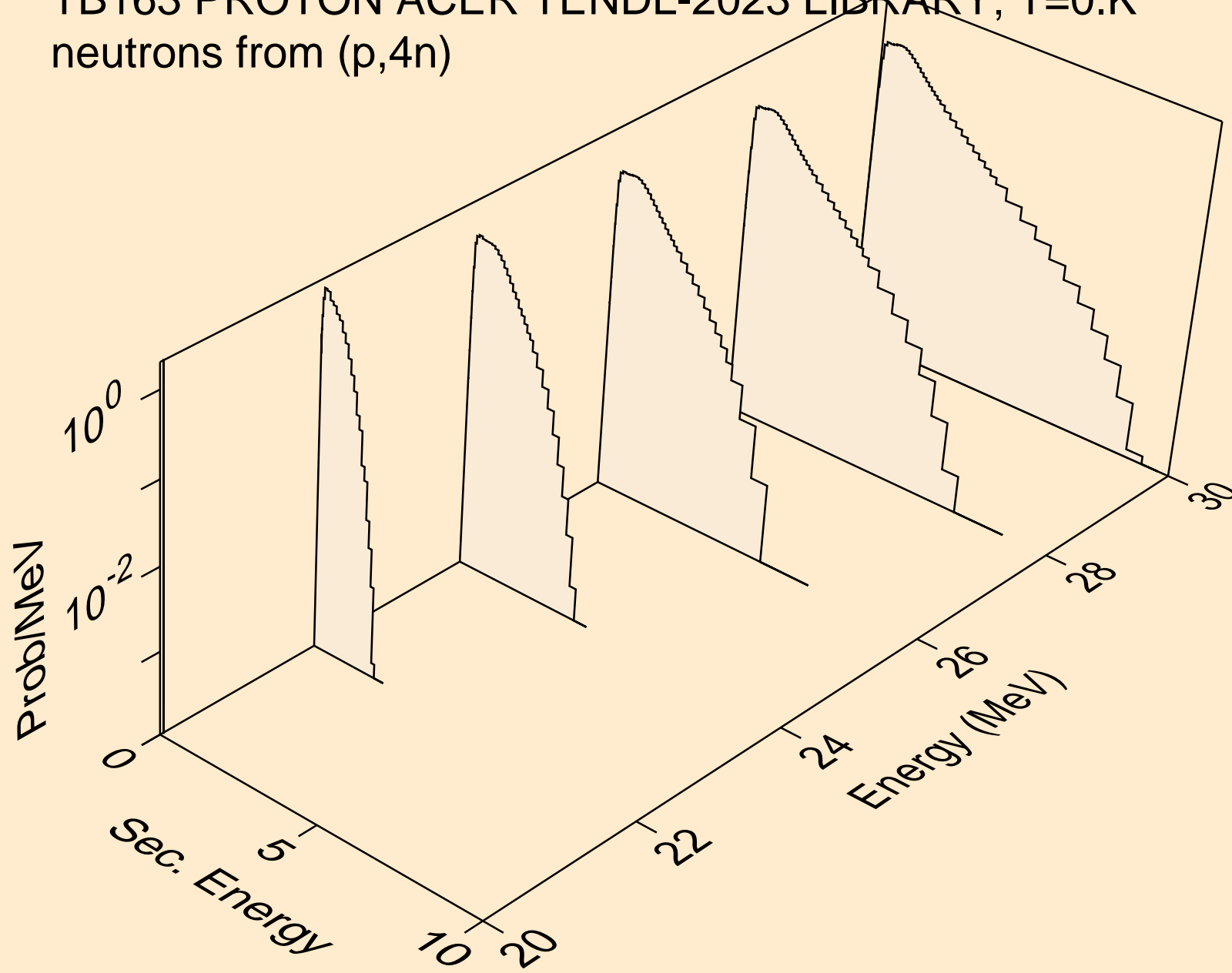
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)t



TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3

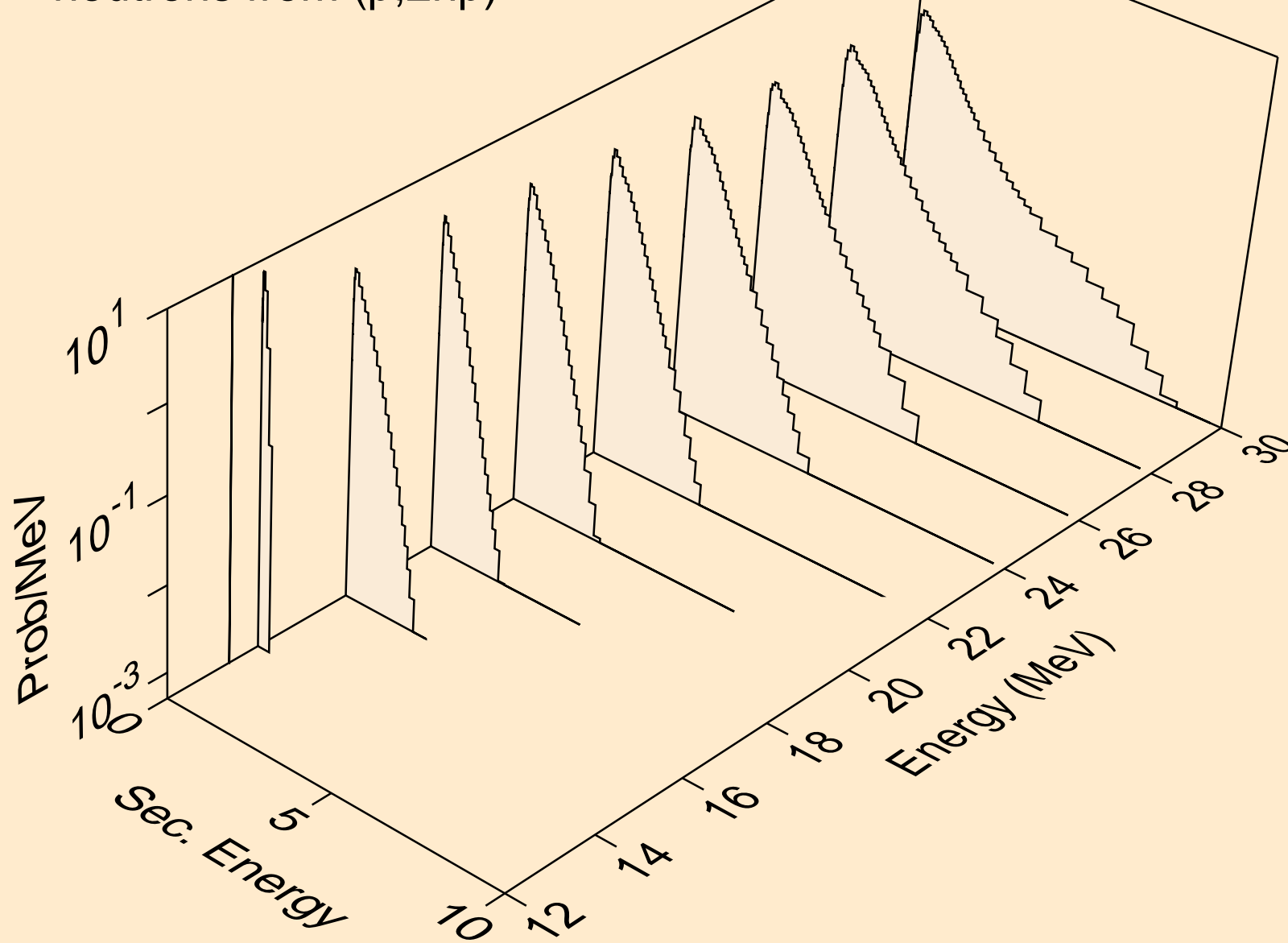


TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,4n)

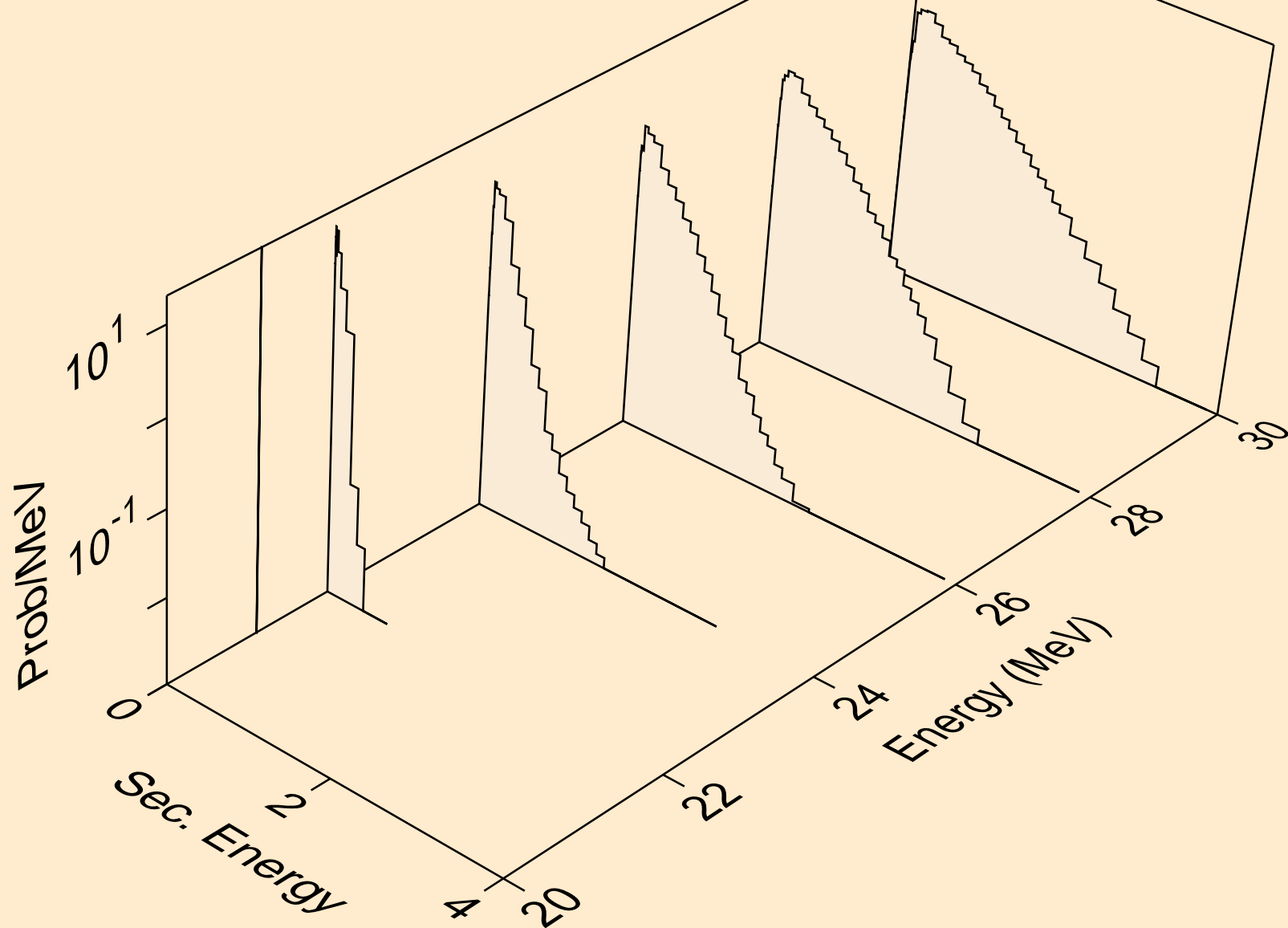




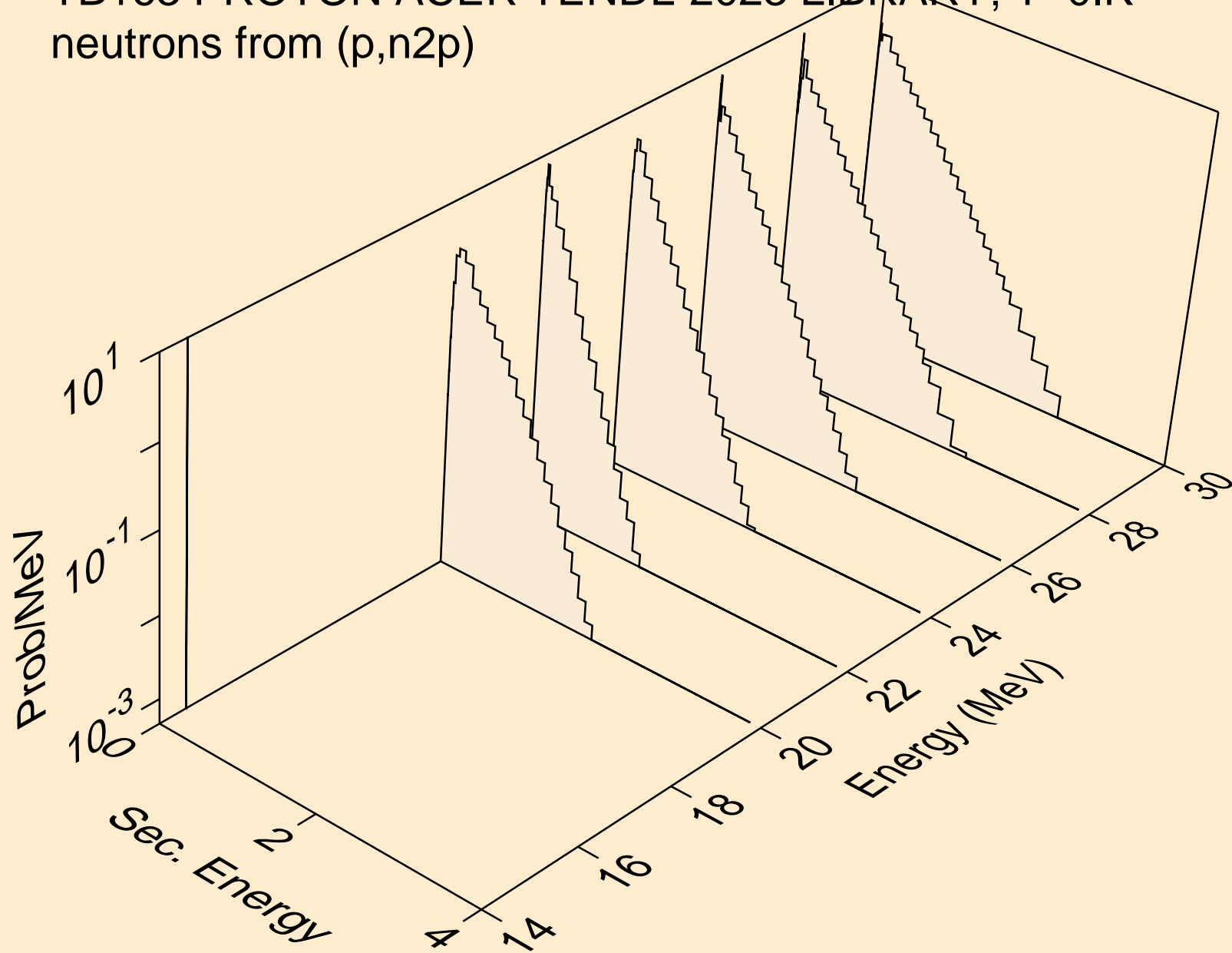
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neutrons from (p,2np)



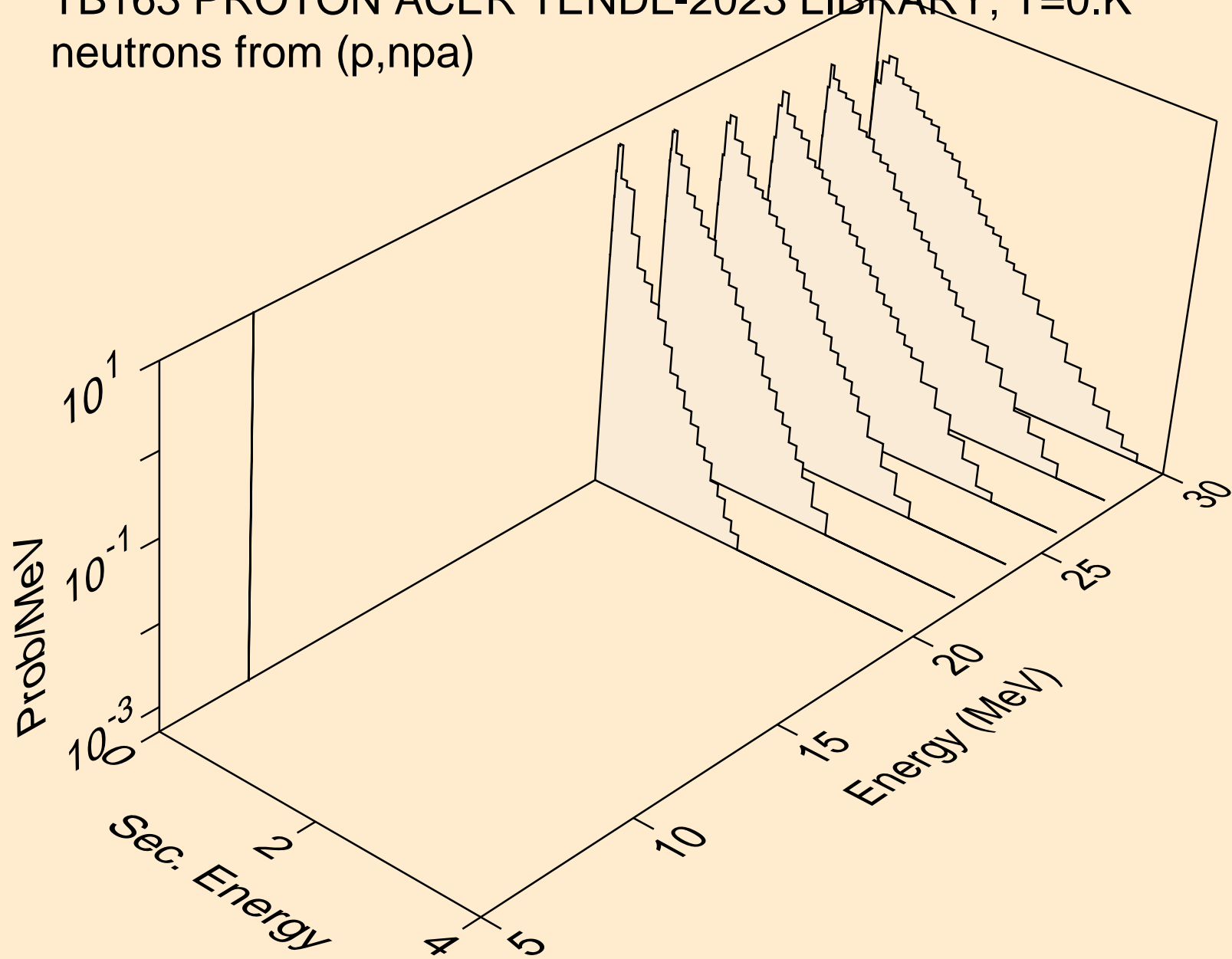
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neutrons from (p,3np)



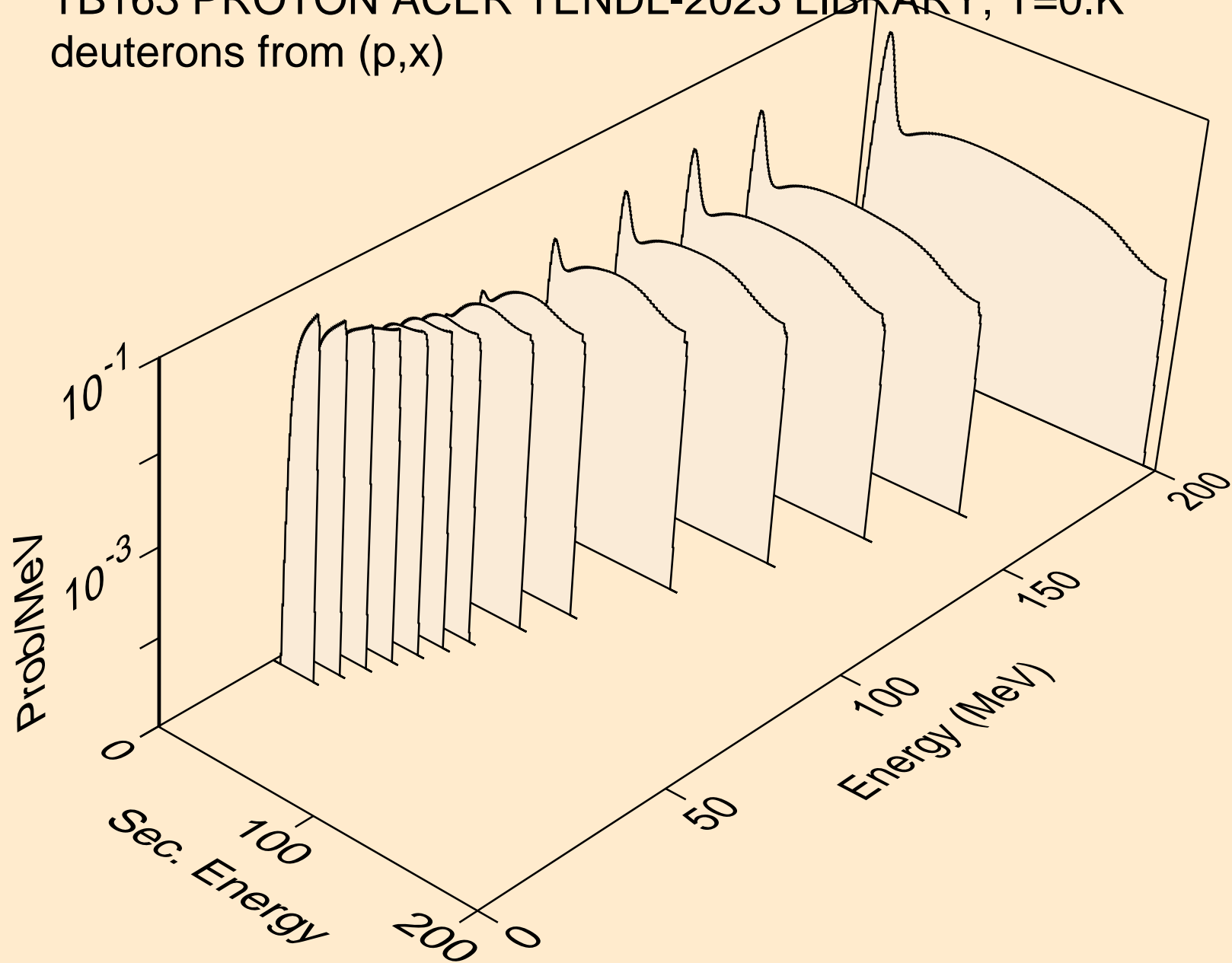
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neutrons from (p,n2p)



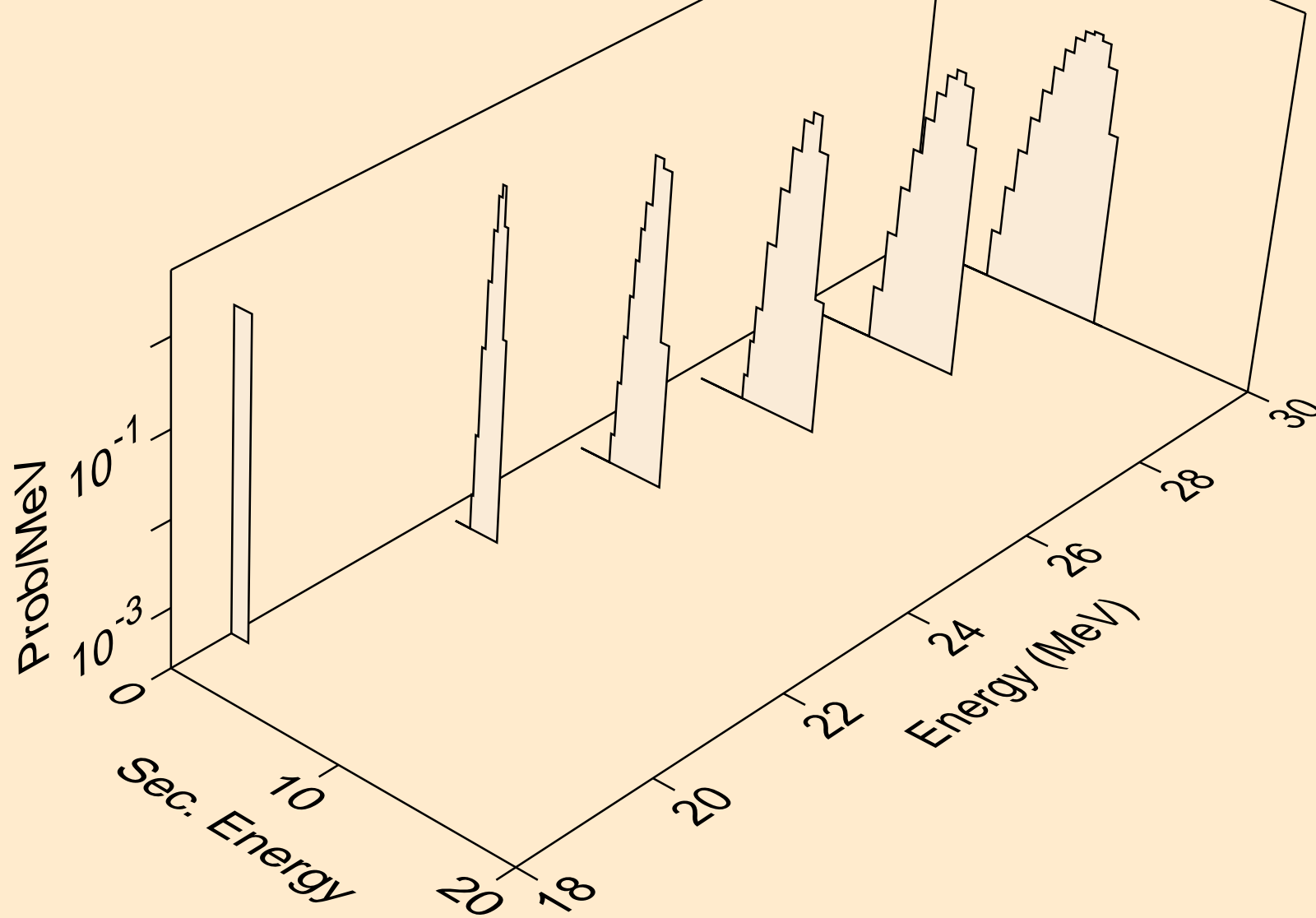
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,npa)



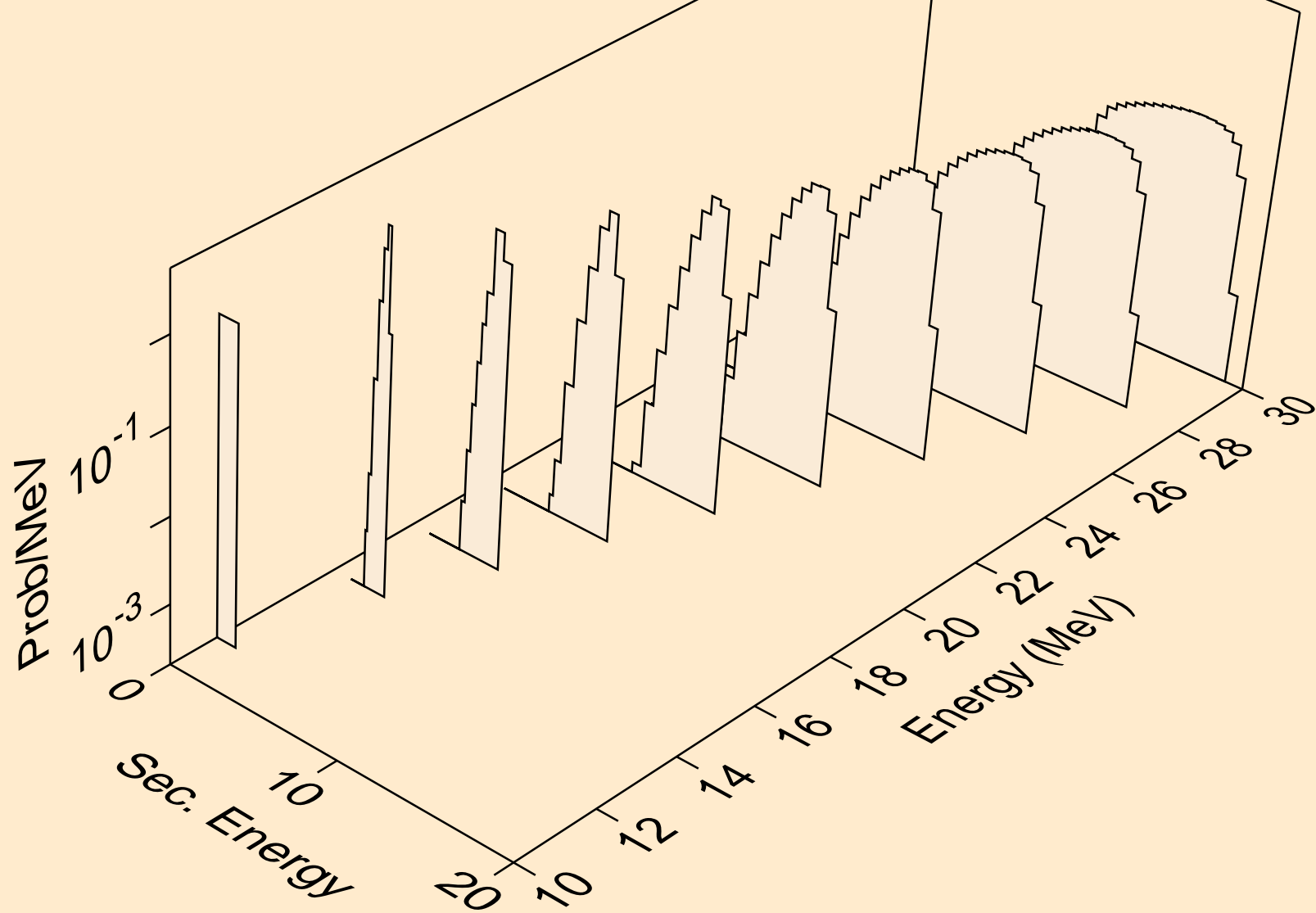
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,x)



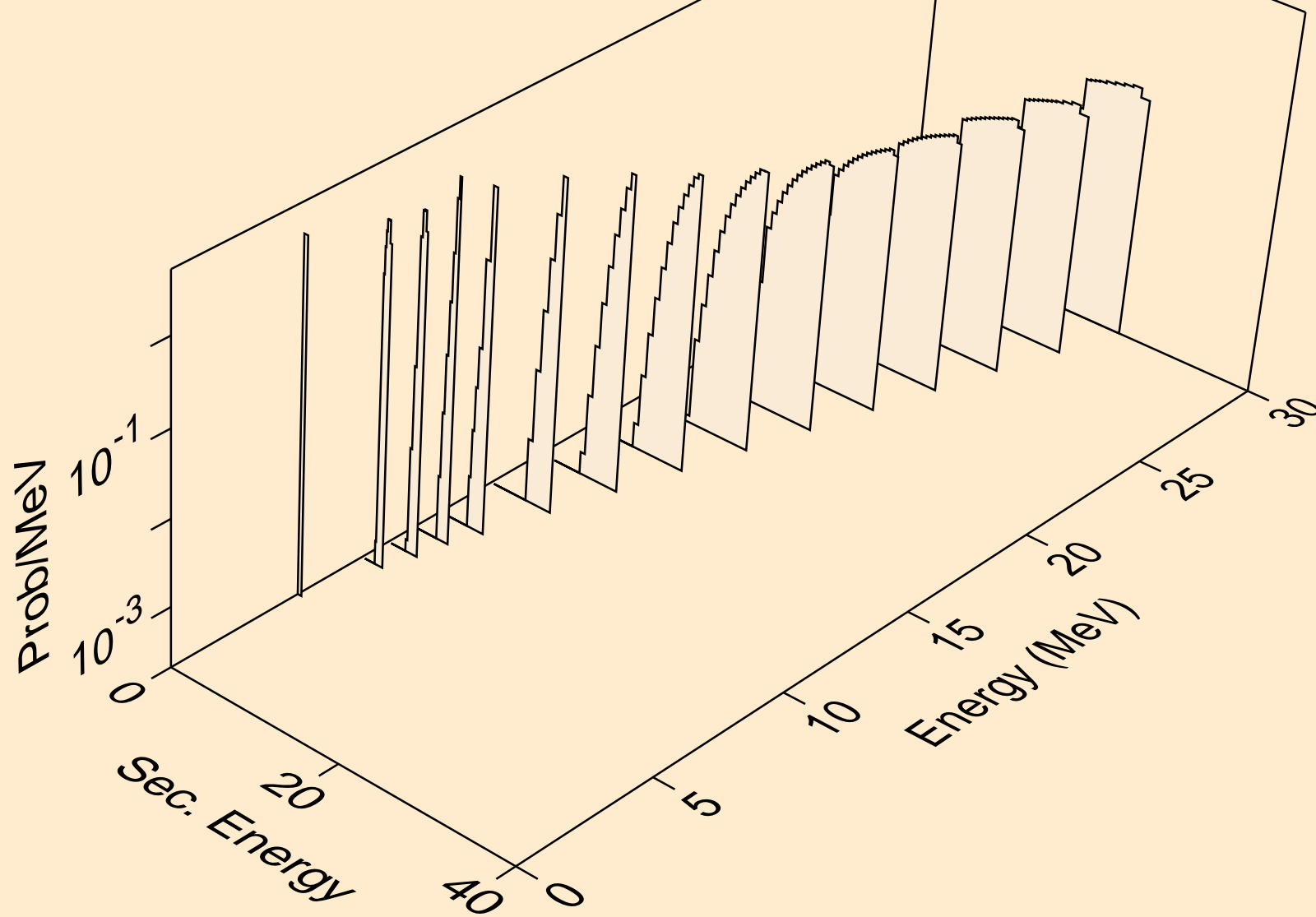
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,2nd)



TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,n\*)d

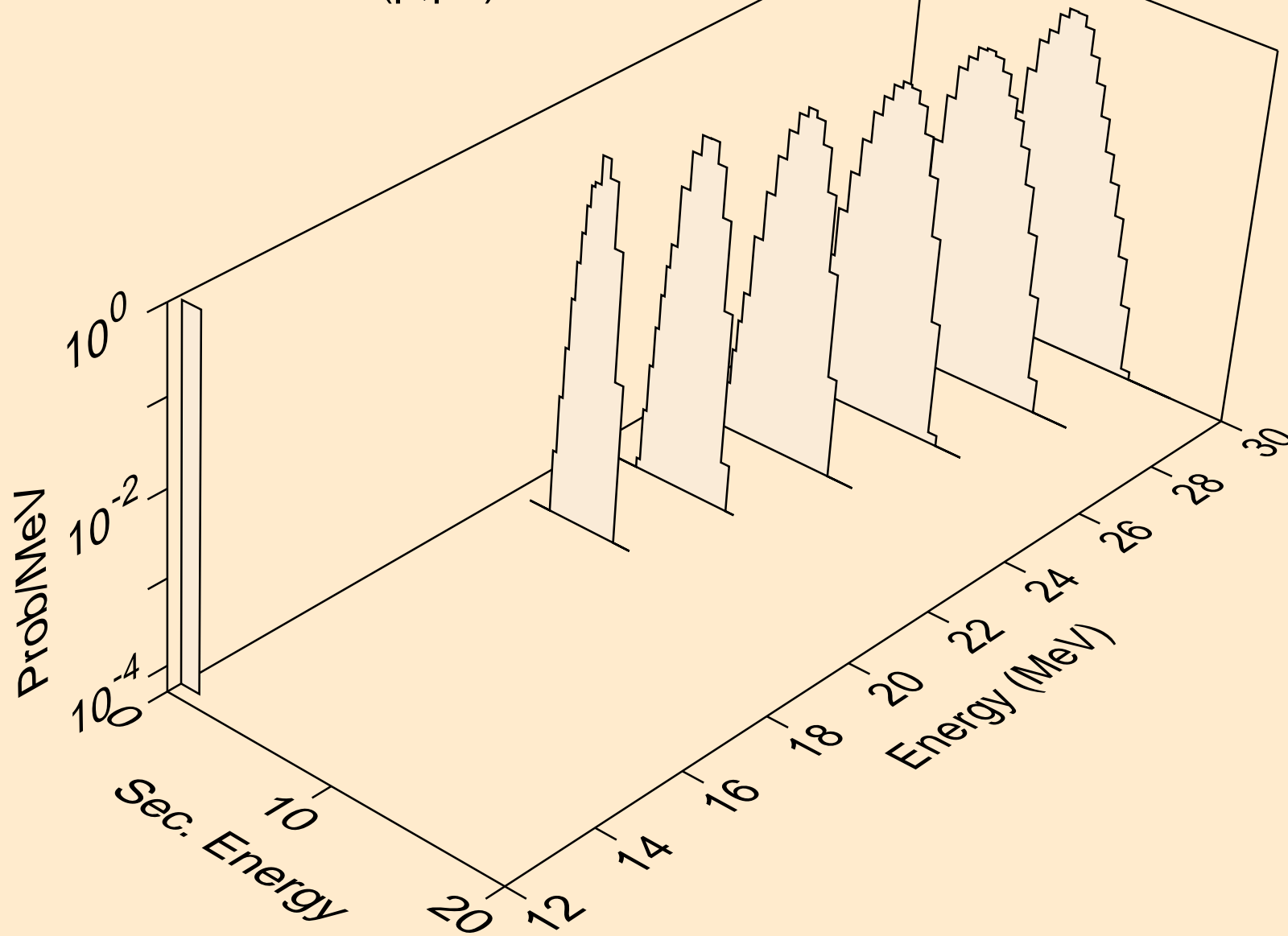


TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,d)

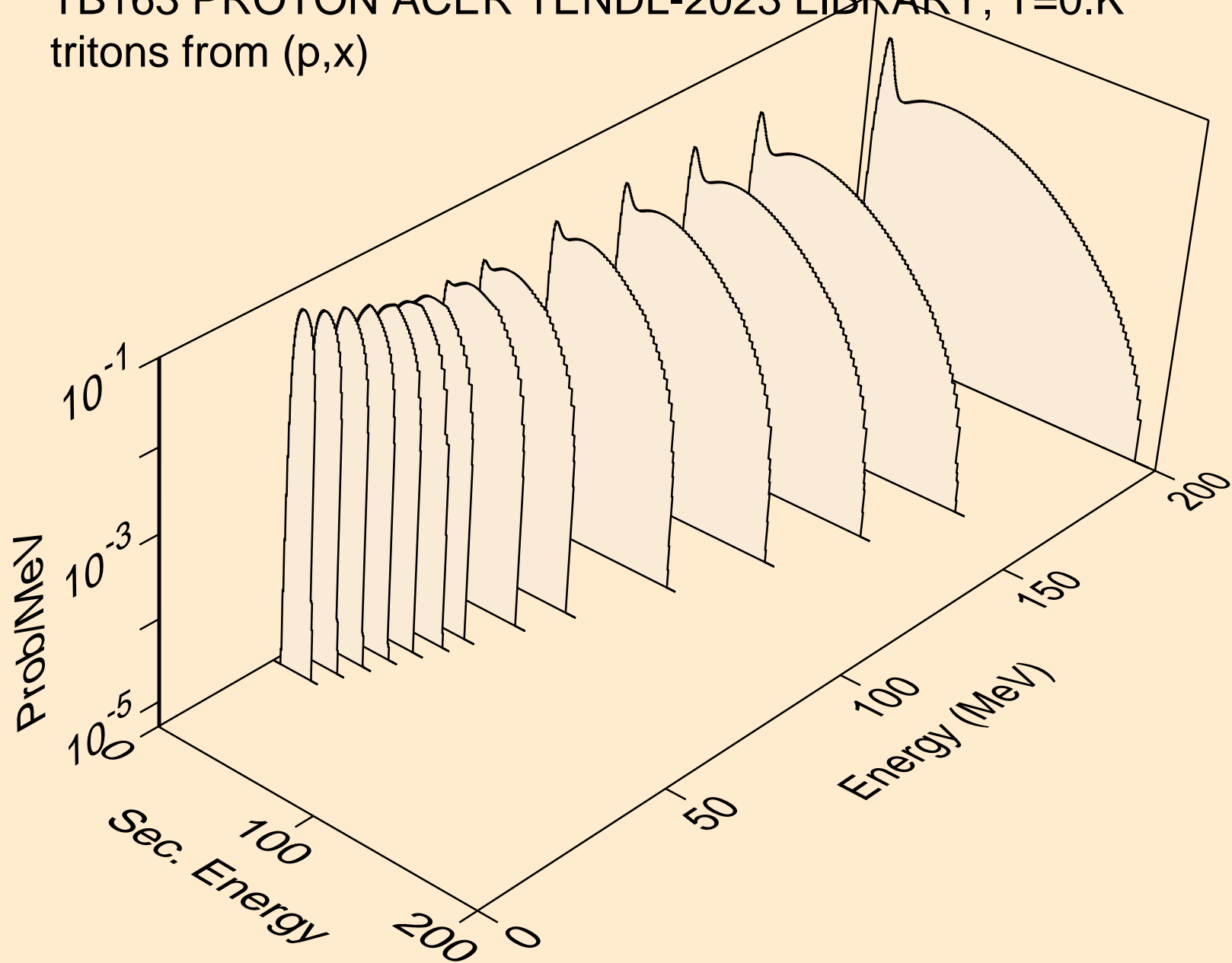




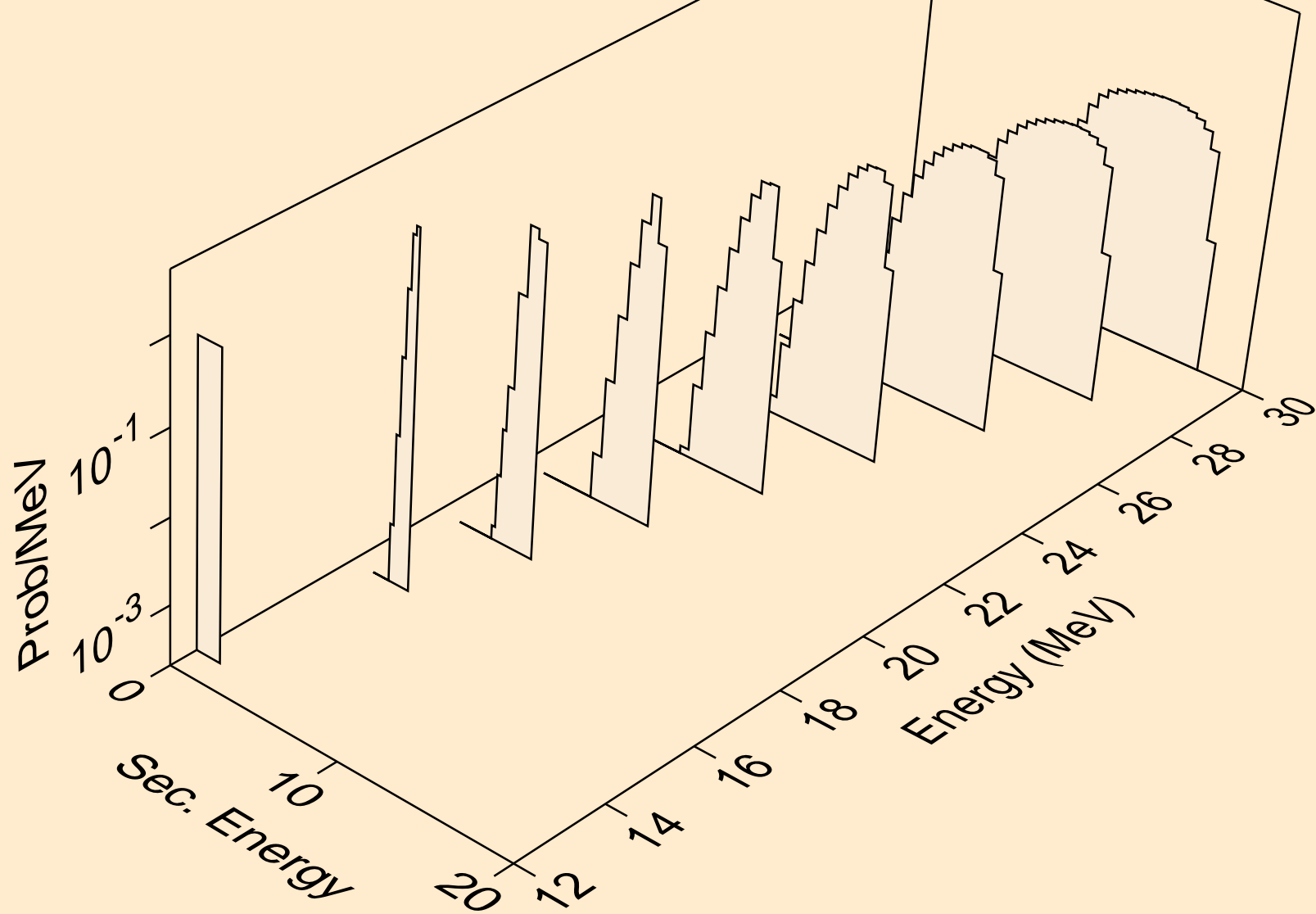
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,pd)



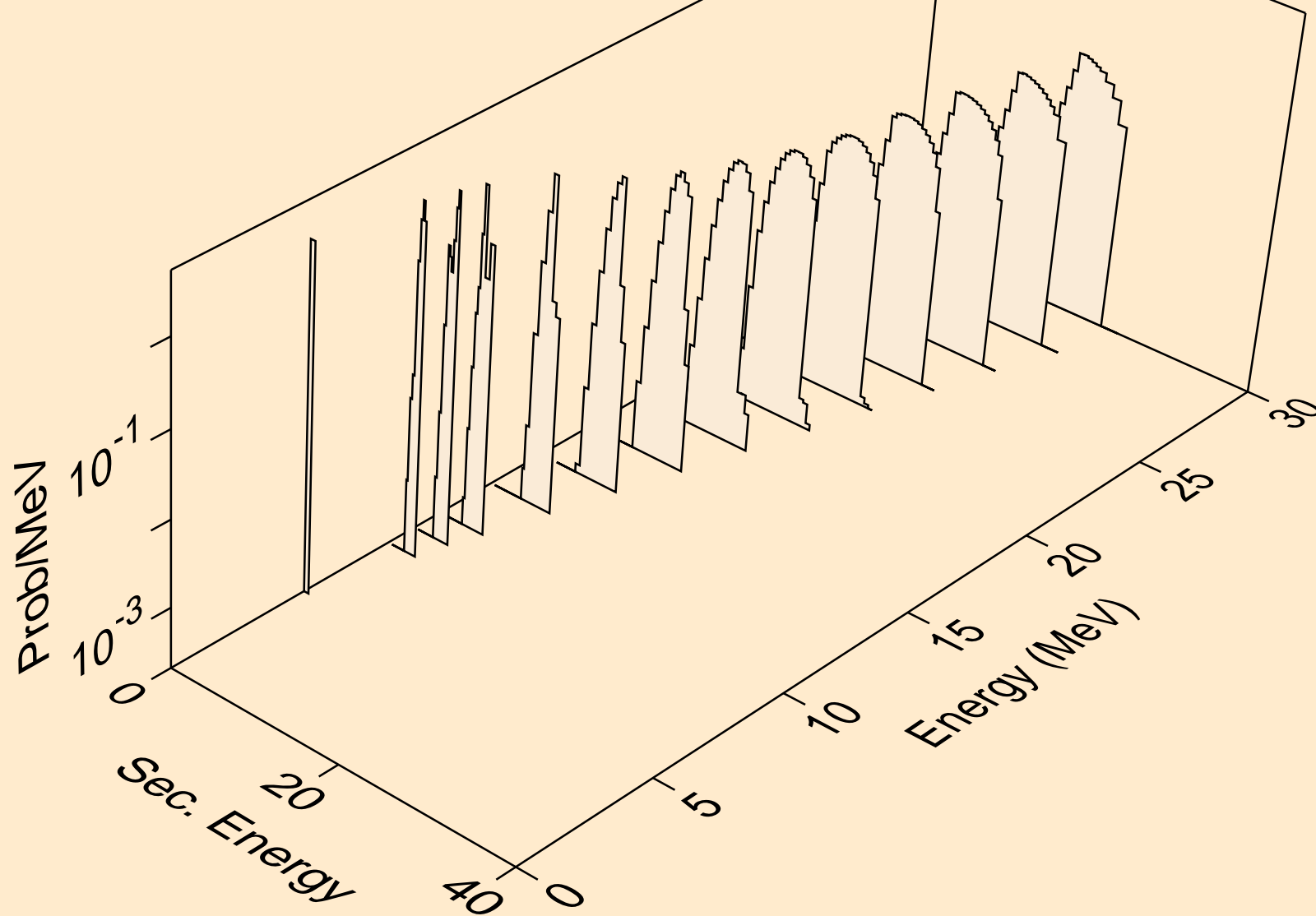
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)



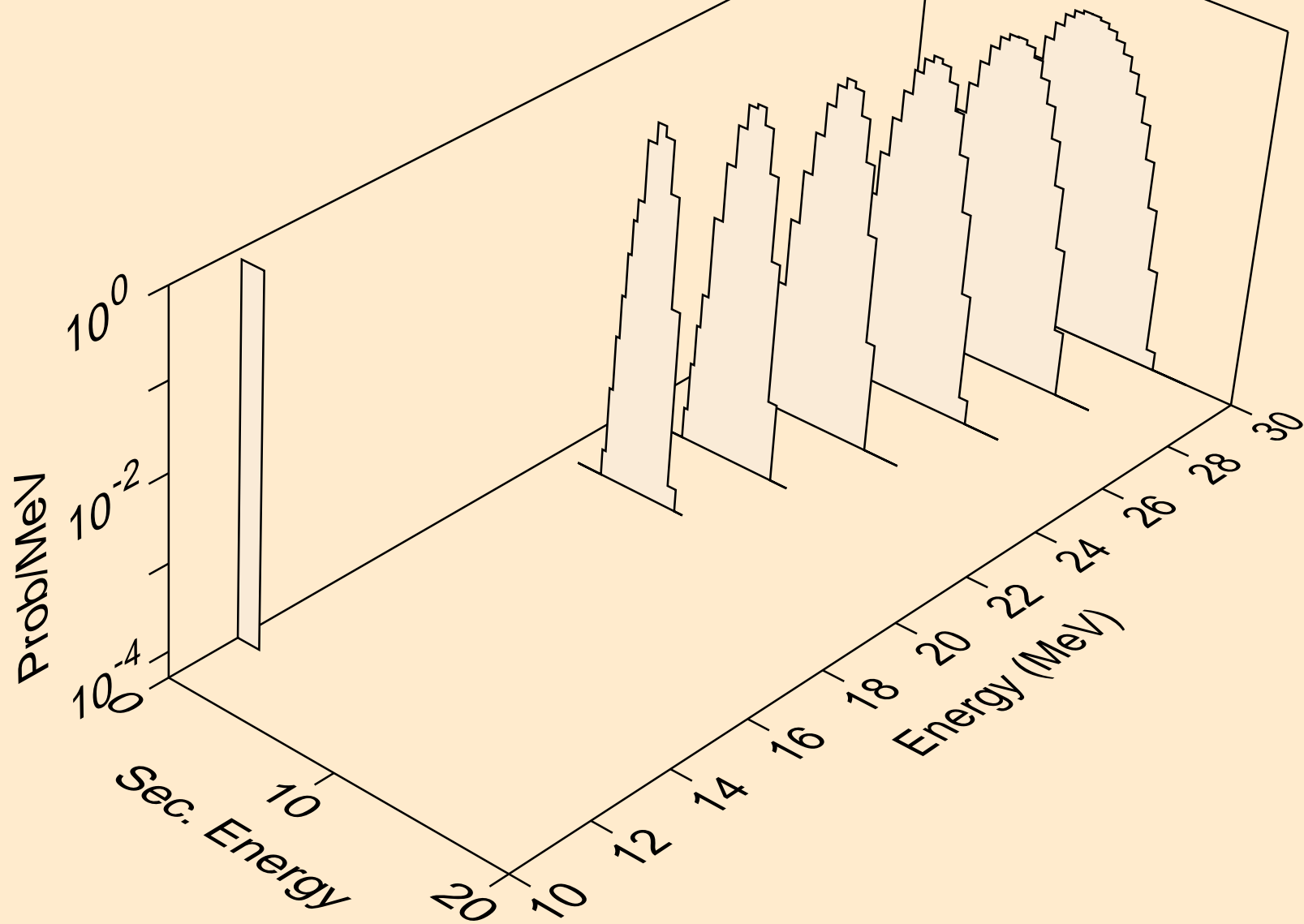
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,n\*)t



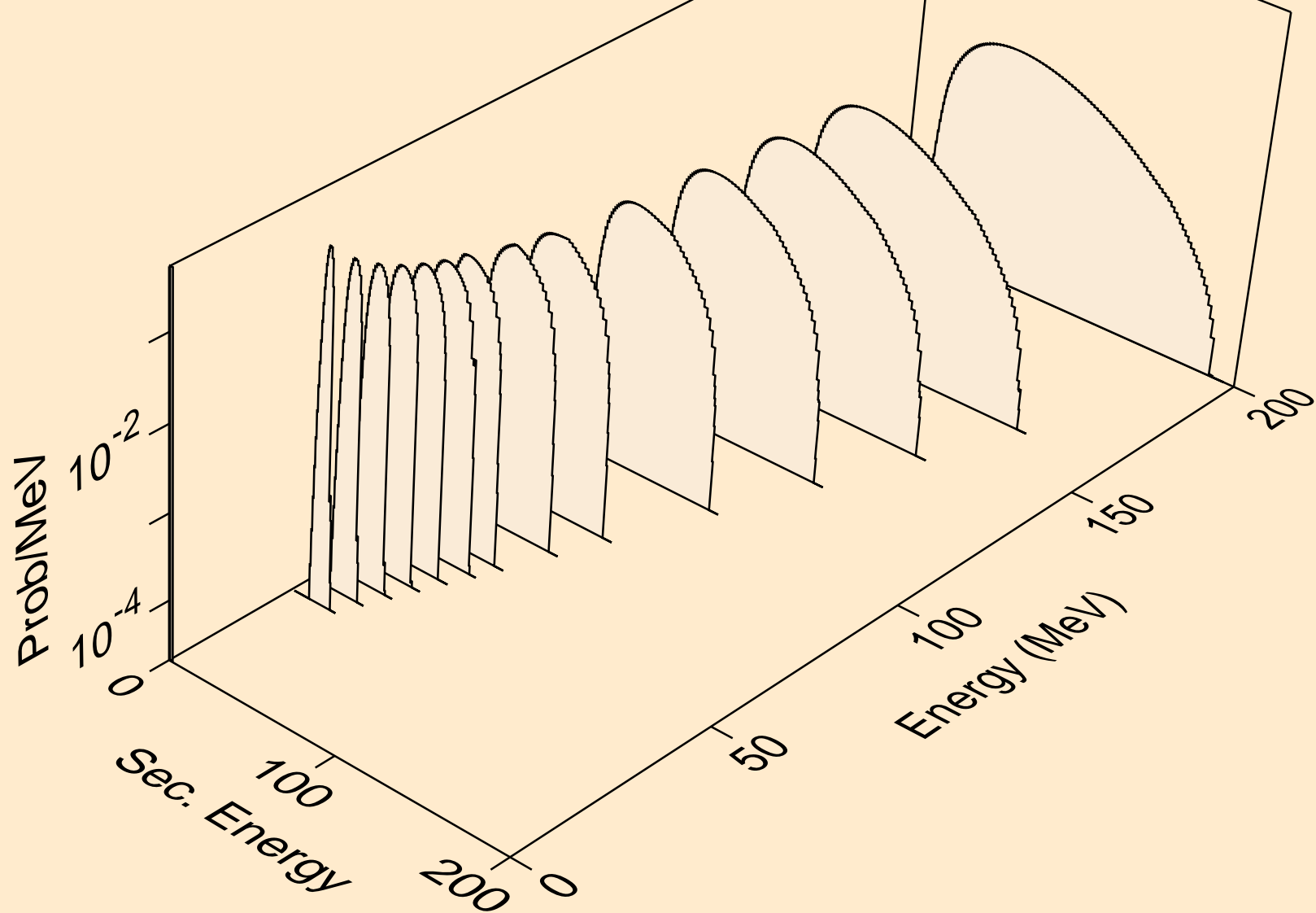
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,t)



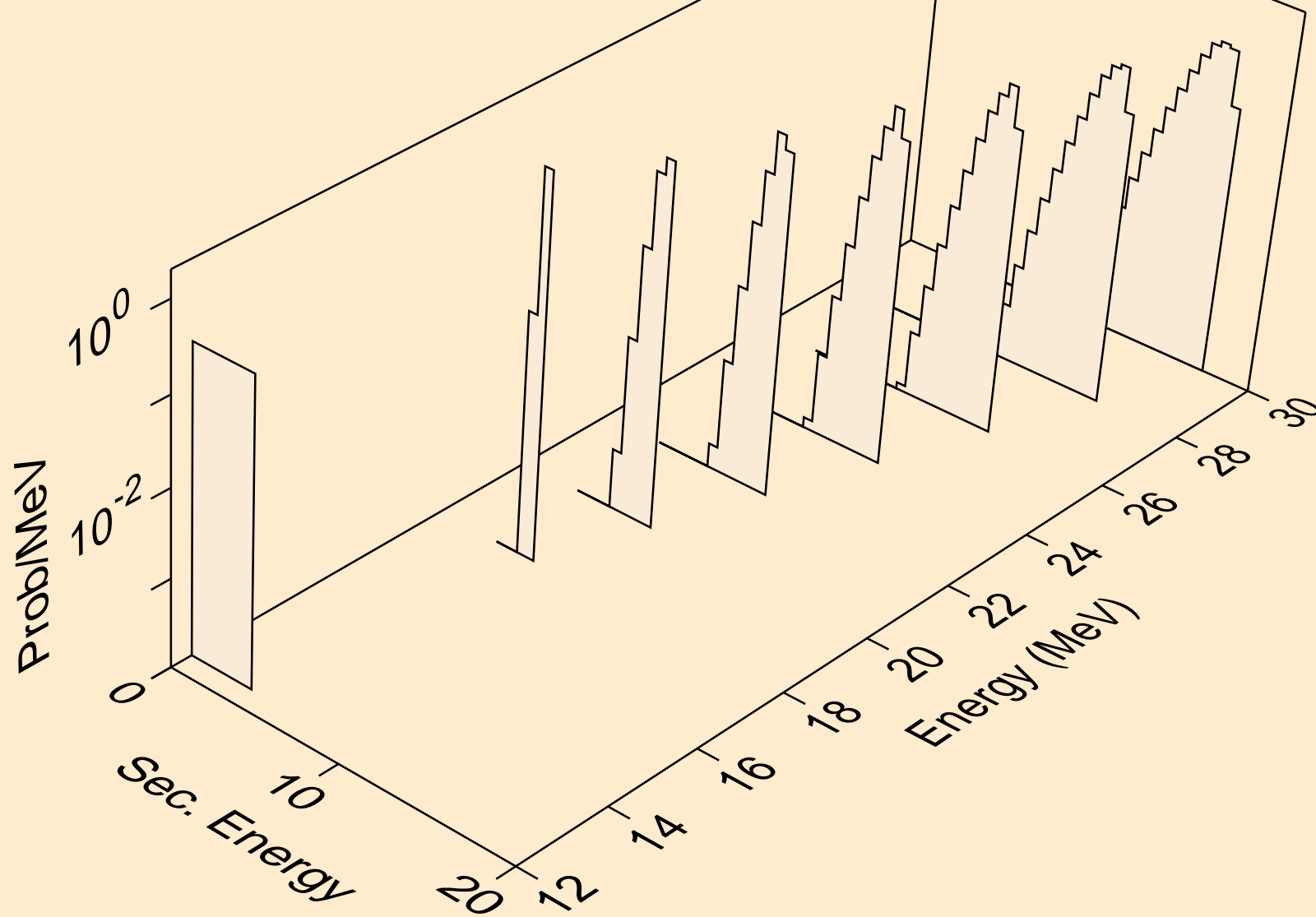
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,pt)



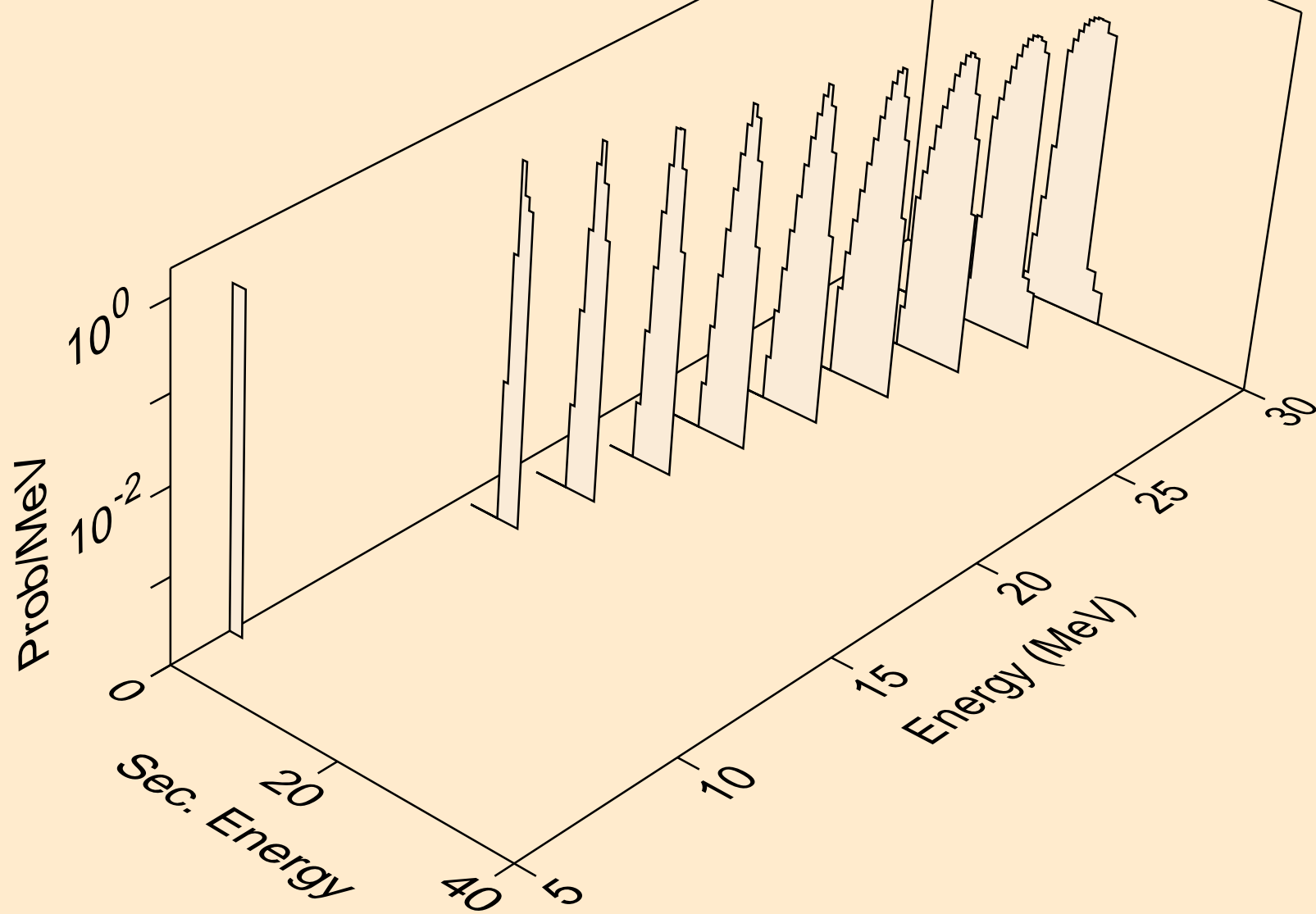
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)



TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3

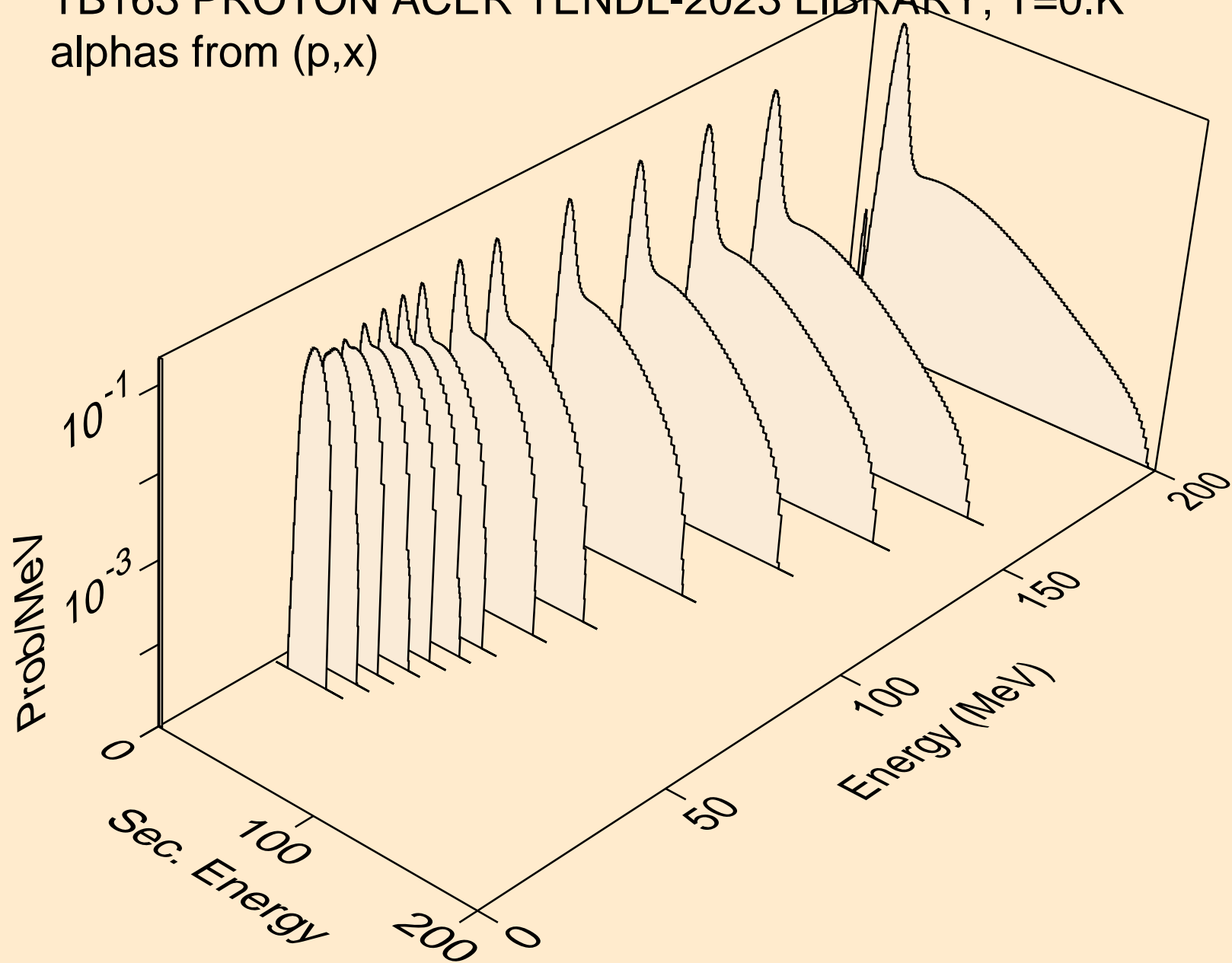


TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,he3)

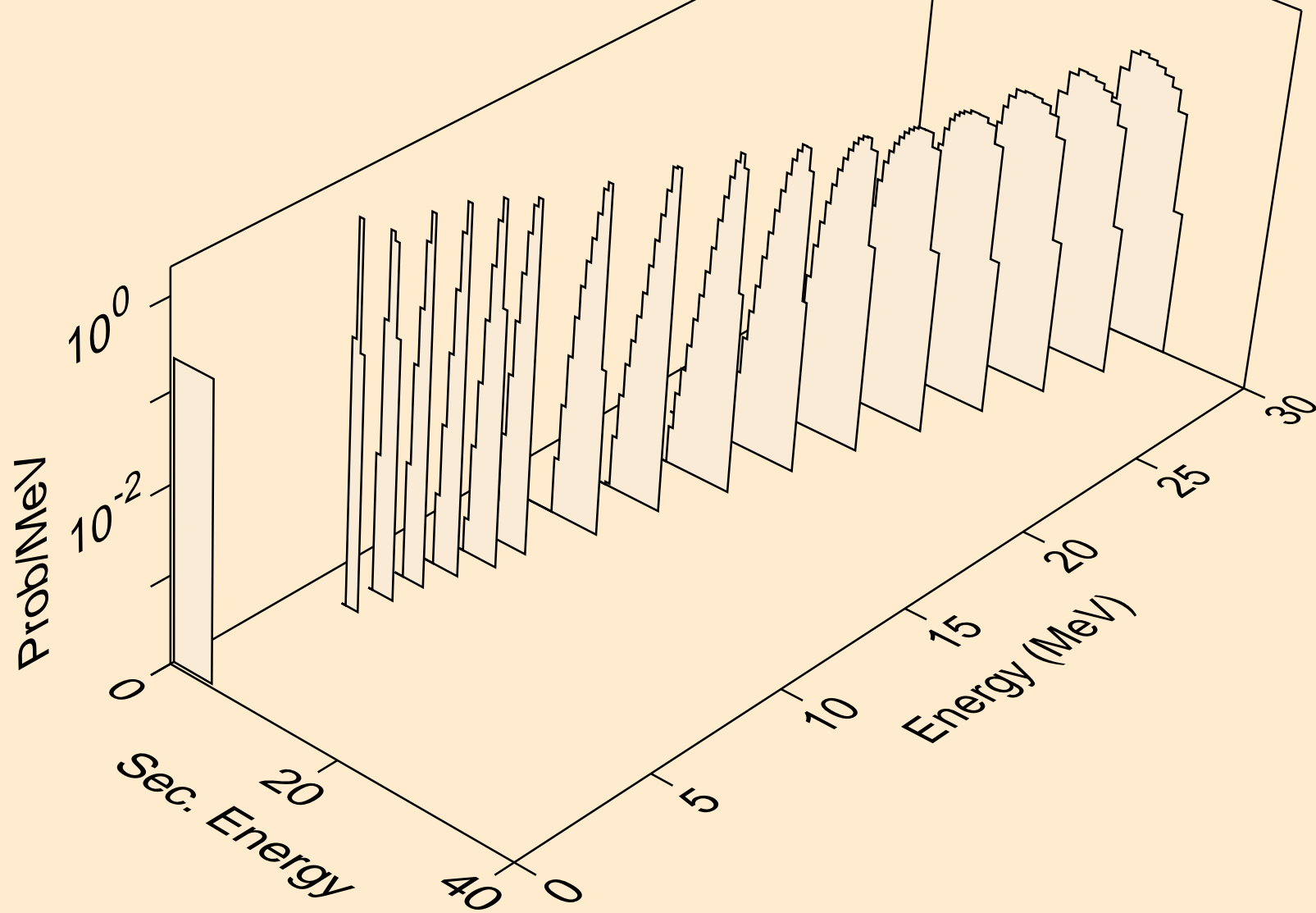




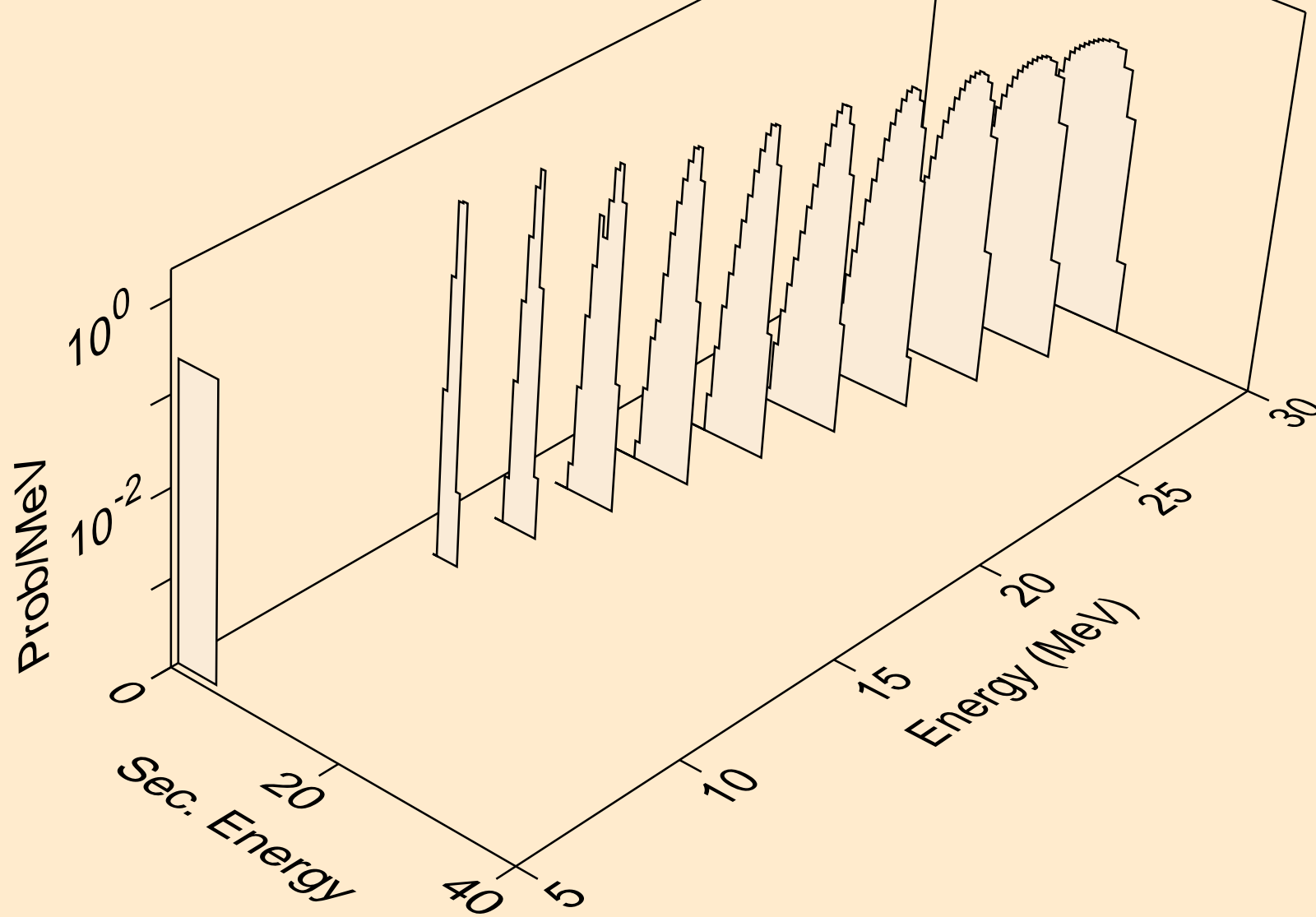
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)



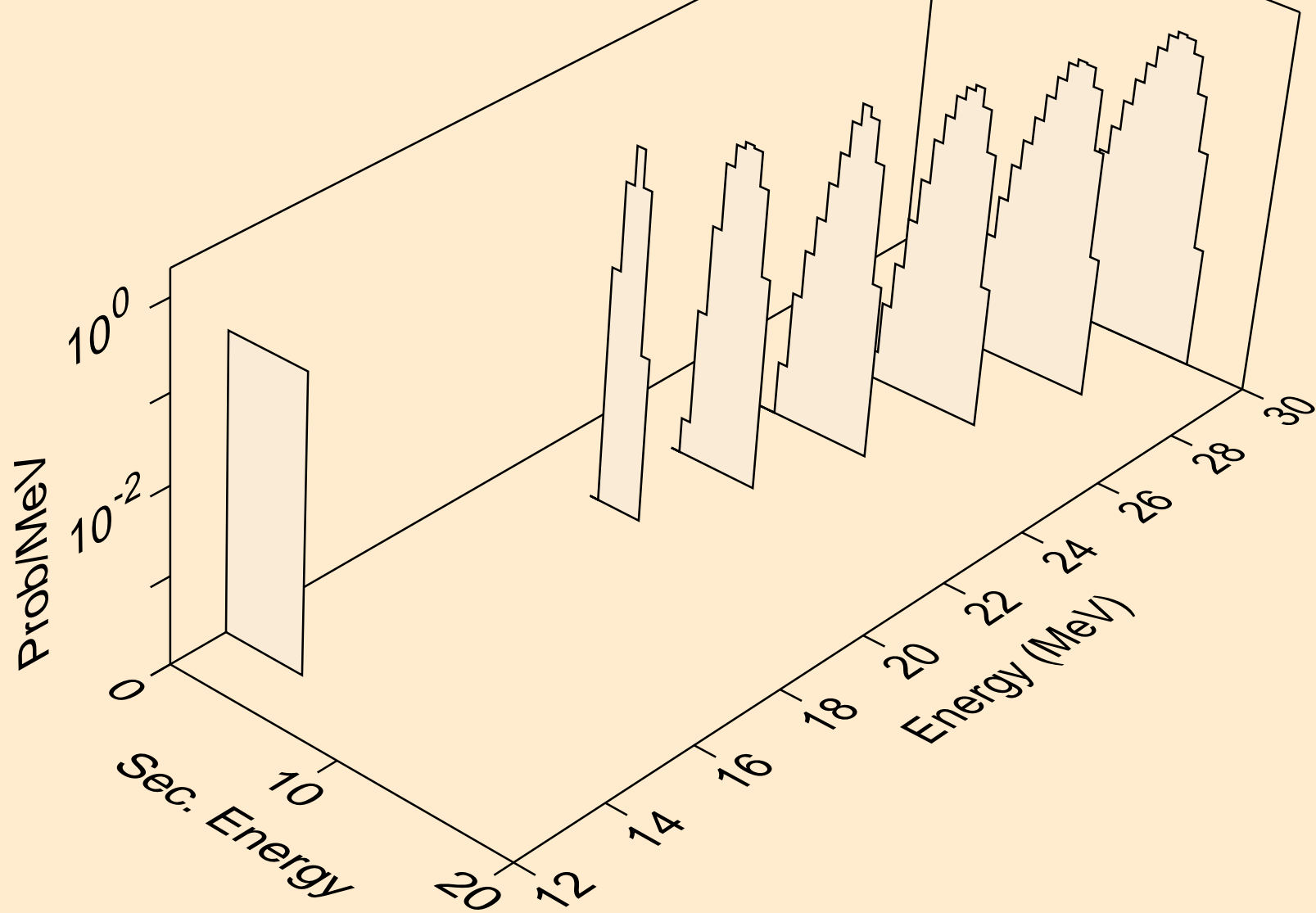
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a



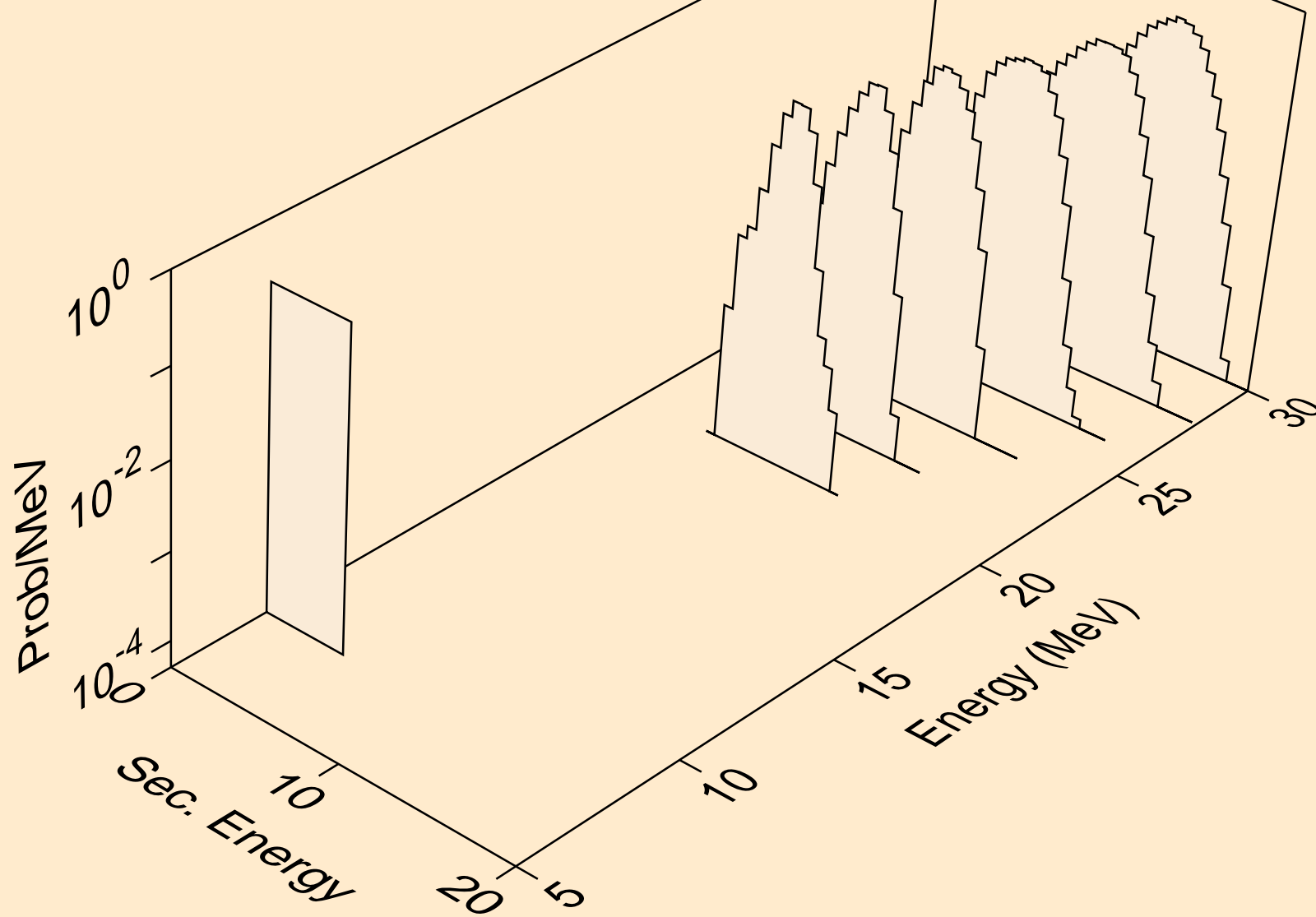
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)a



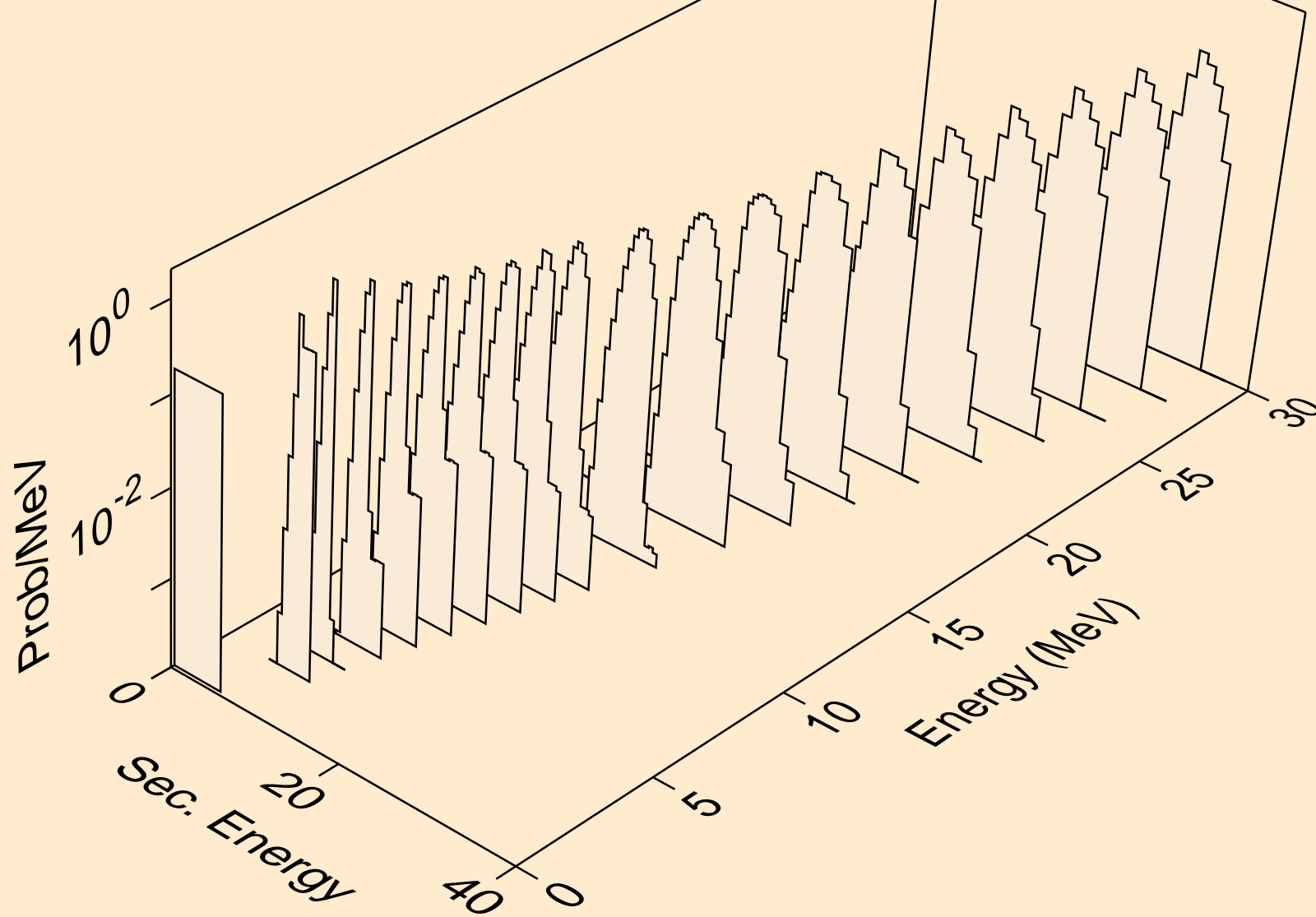
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3n)a



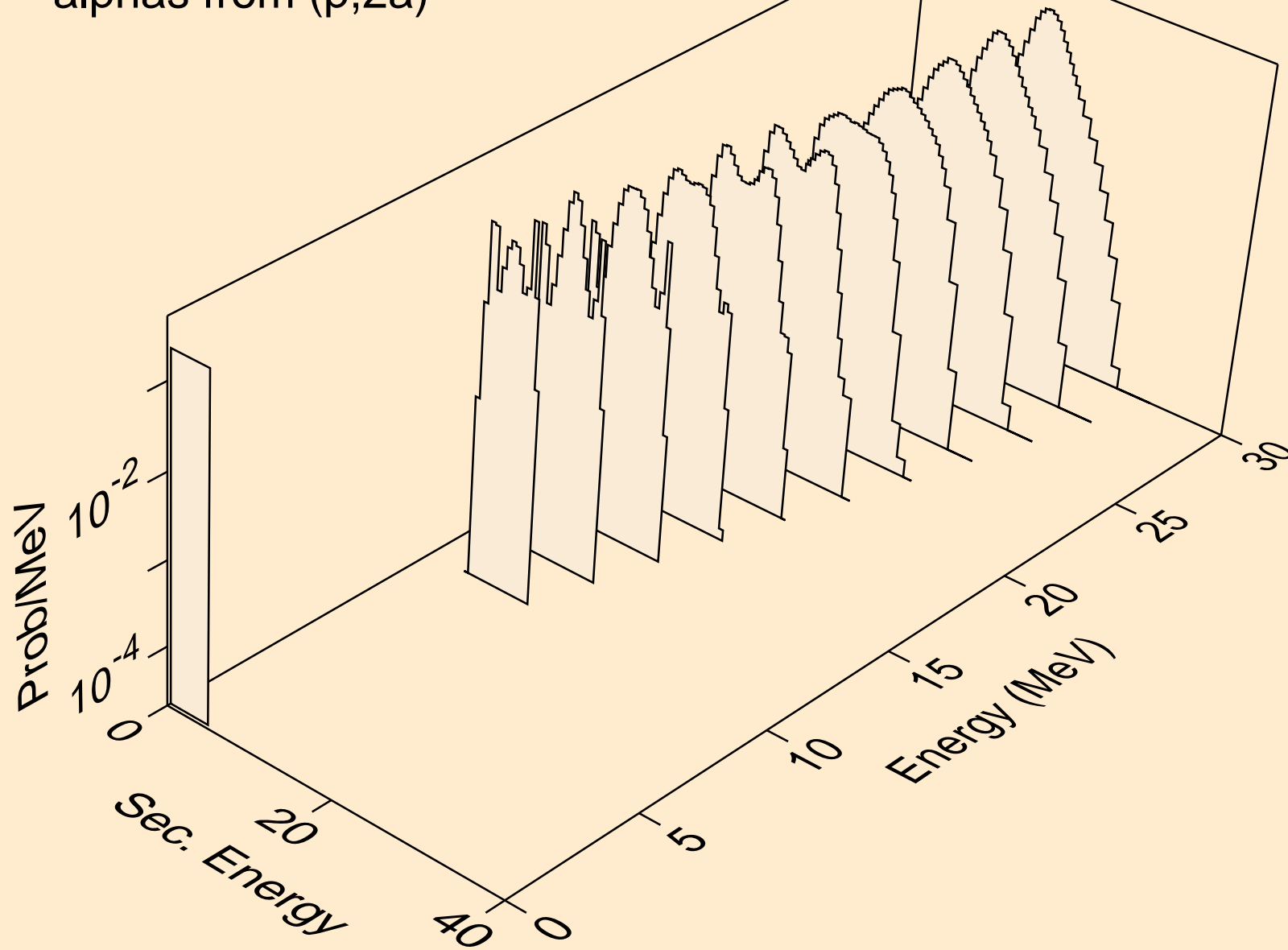
TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,npa)



TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)



TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2a)



TB163 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)

