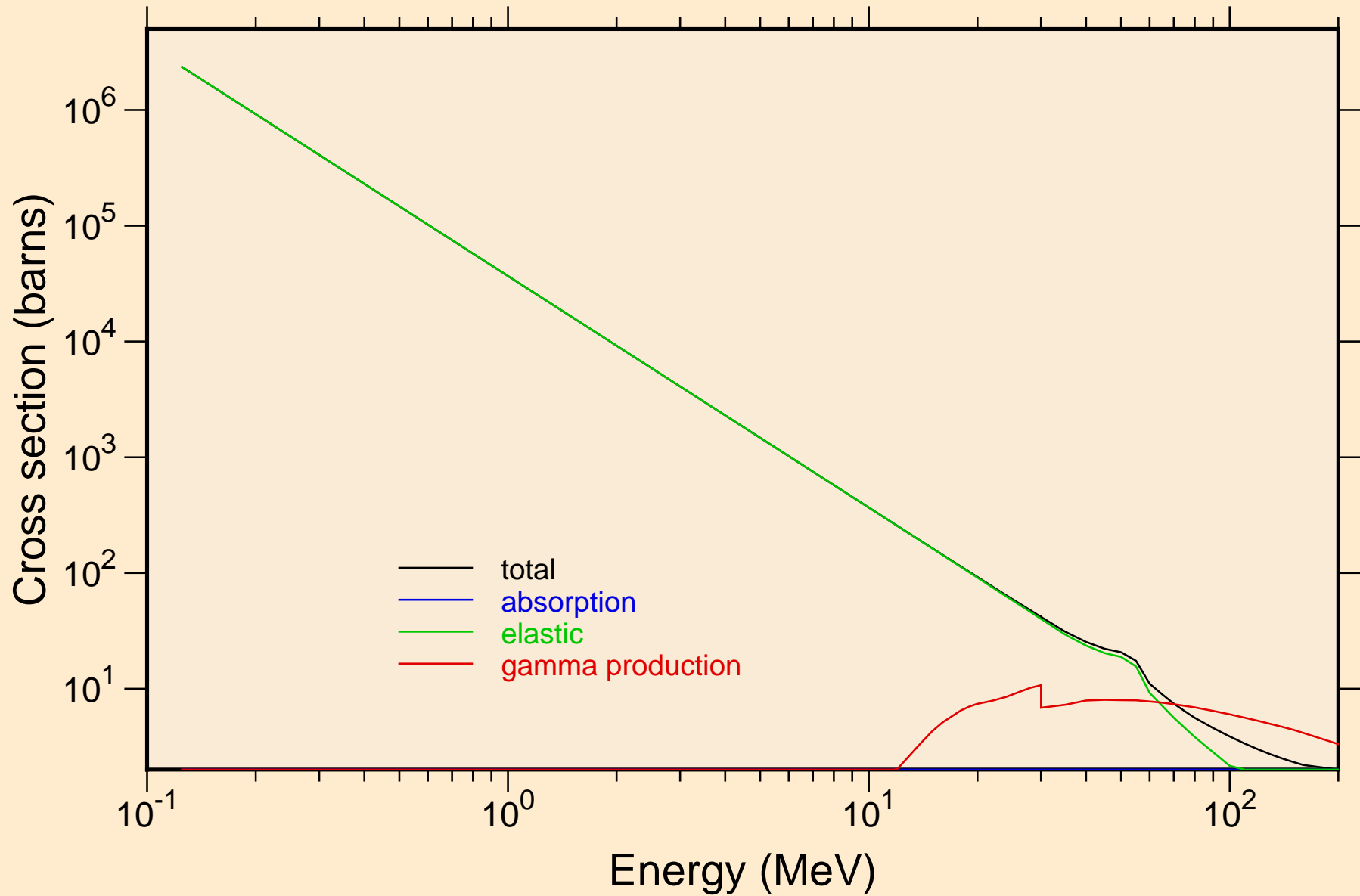


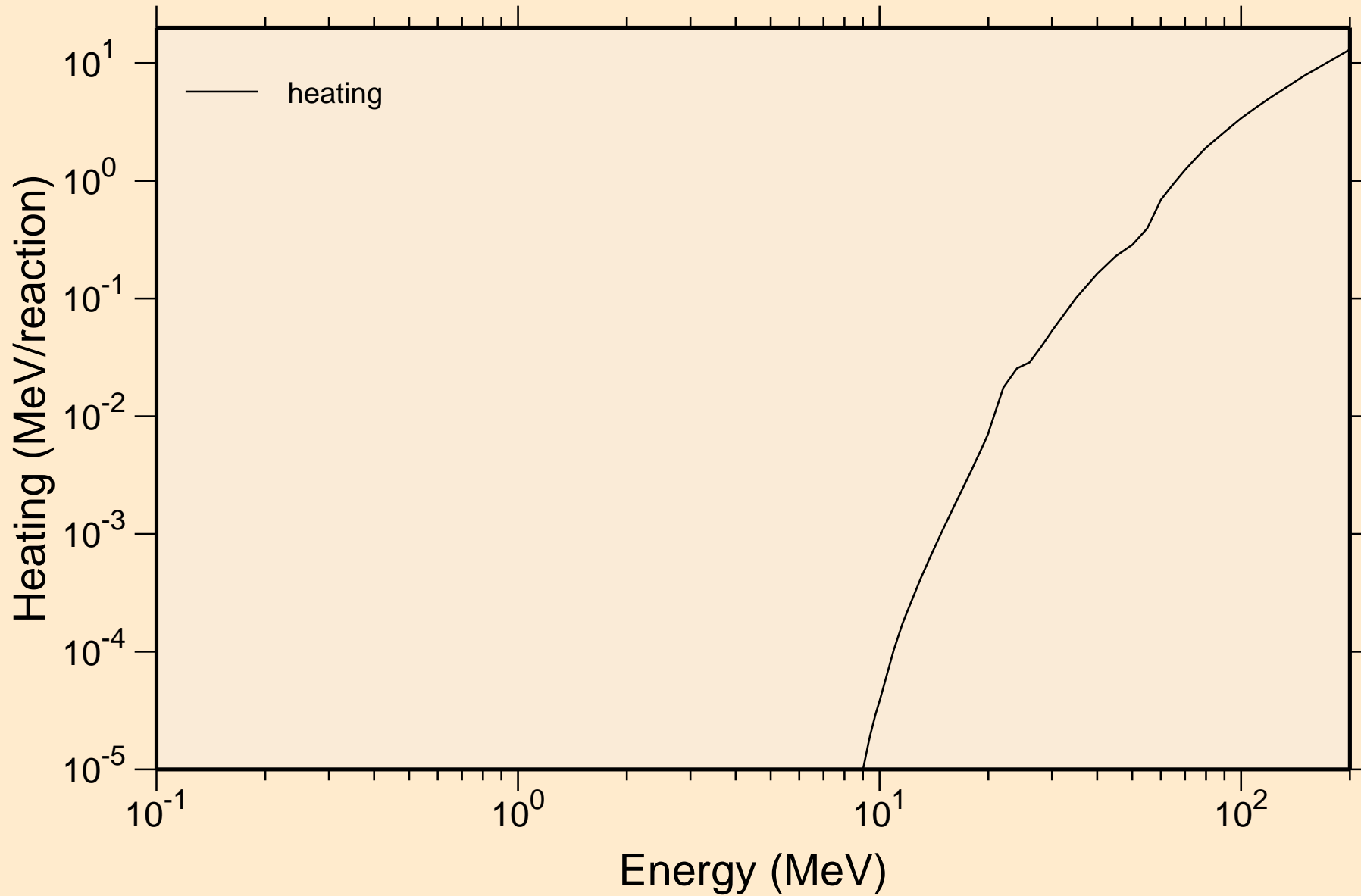
# IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



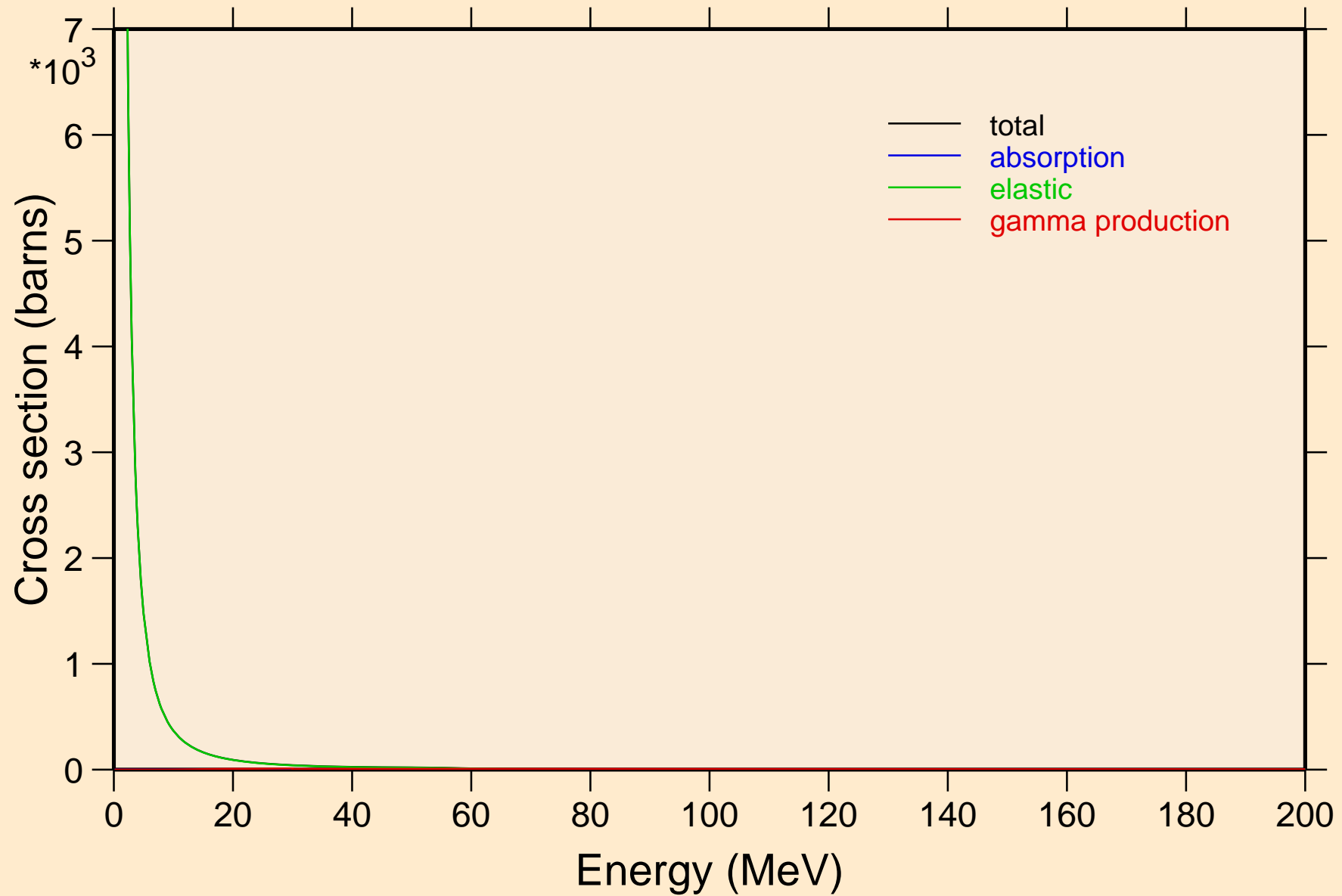
# IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



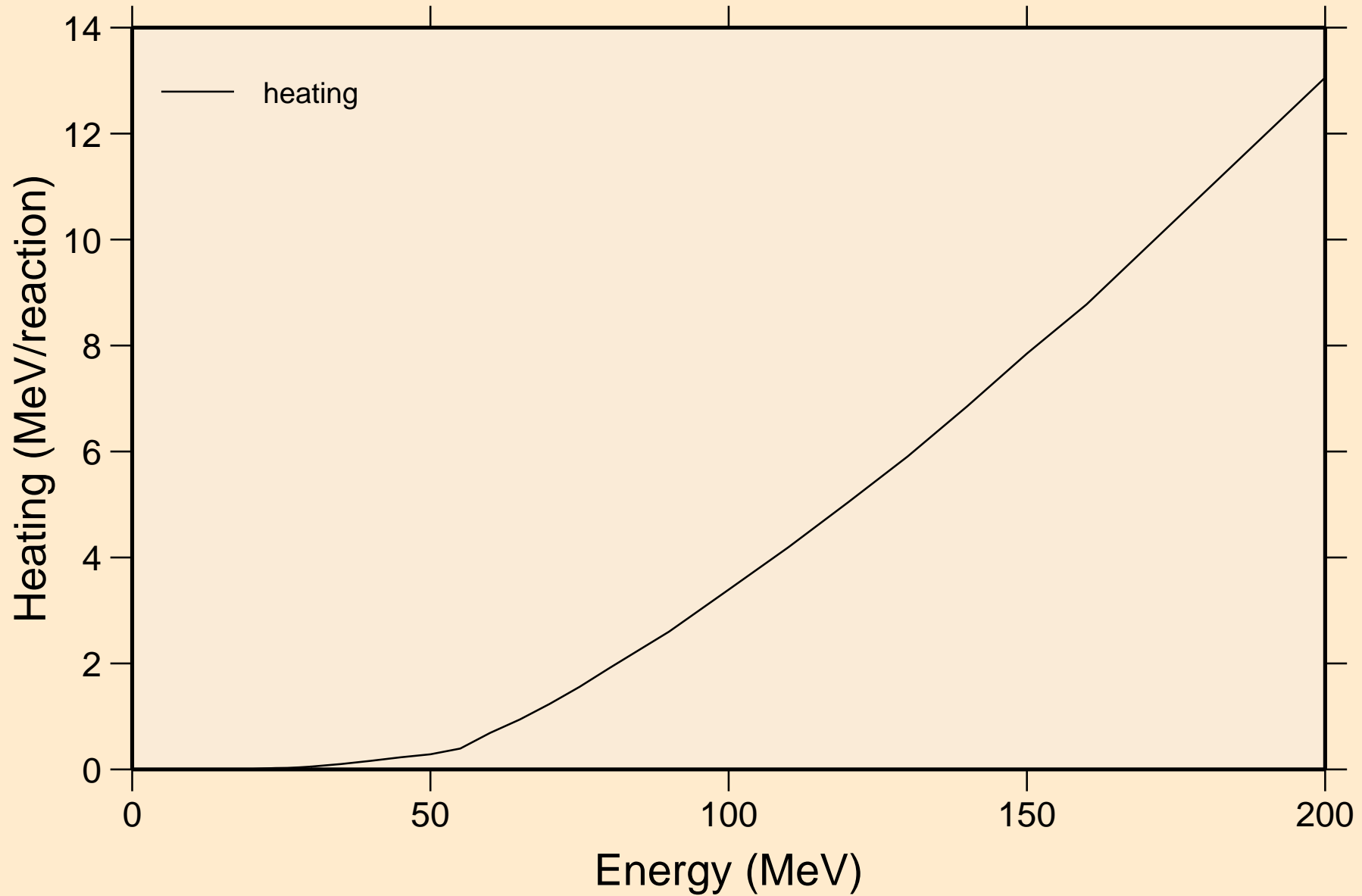
# IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



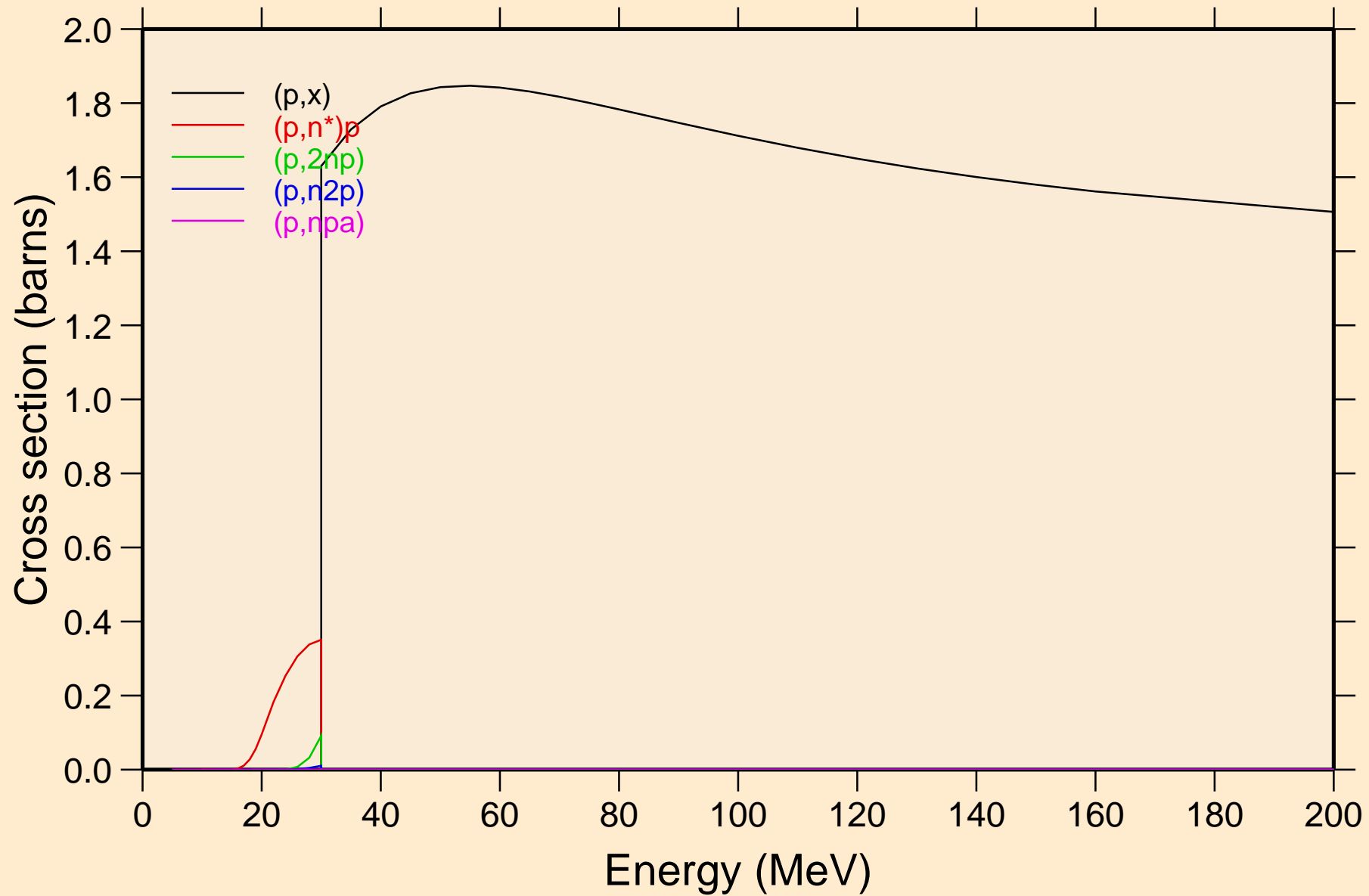
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## Heating



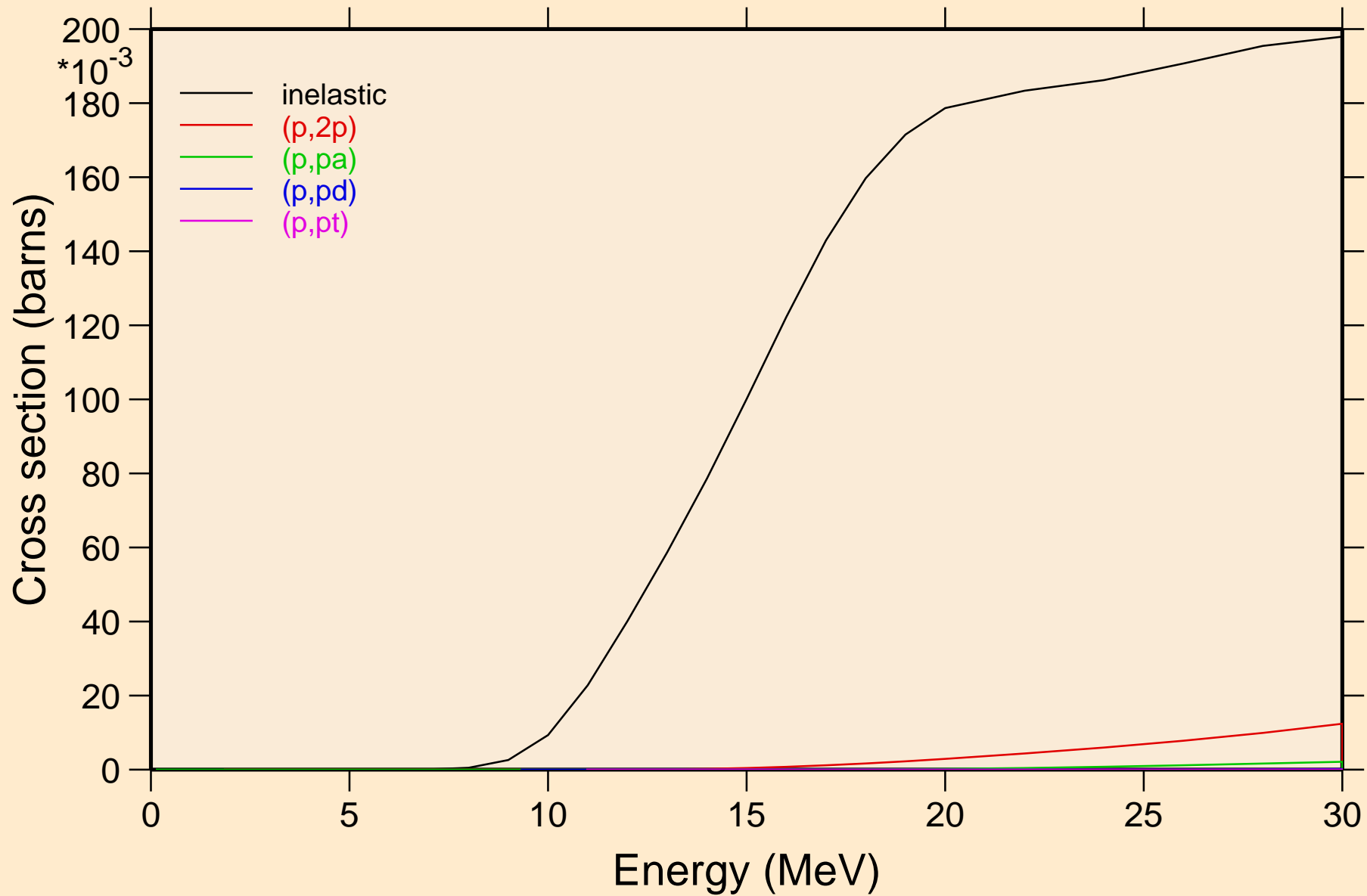
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## Threshold reactions

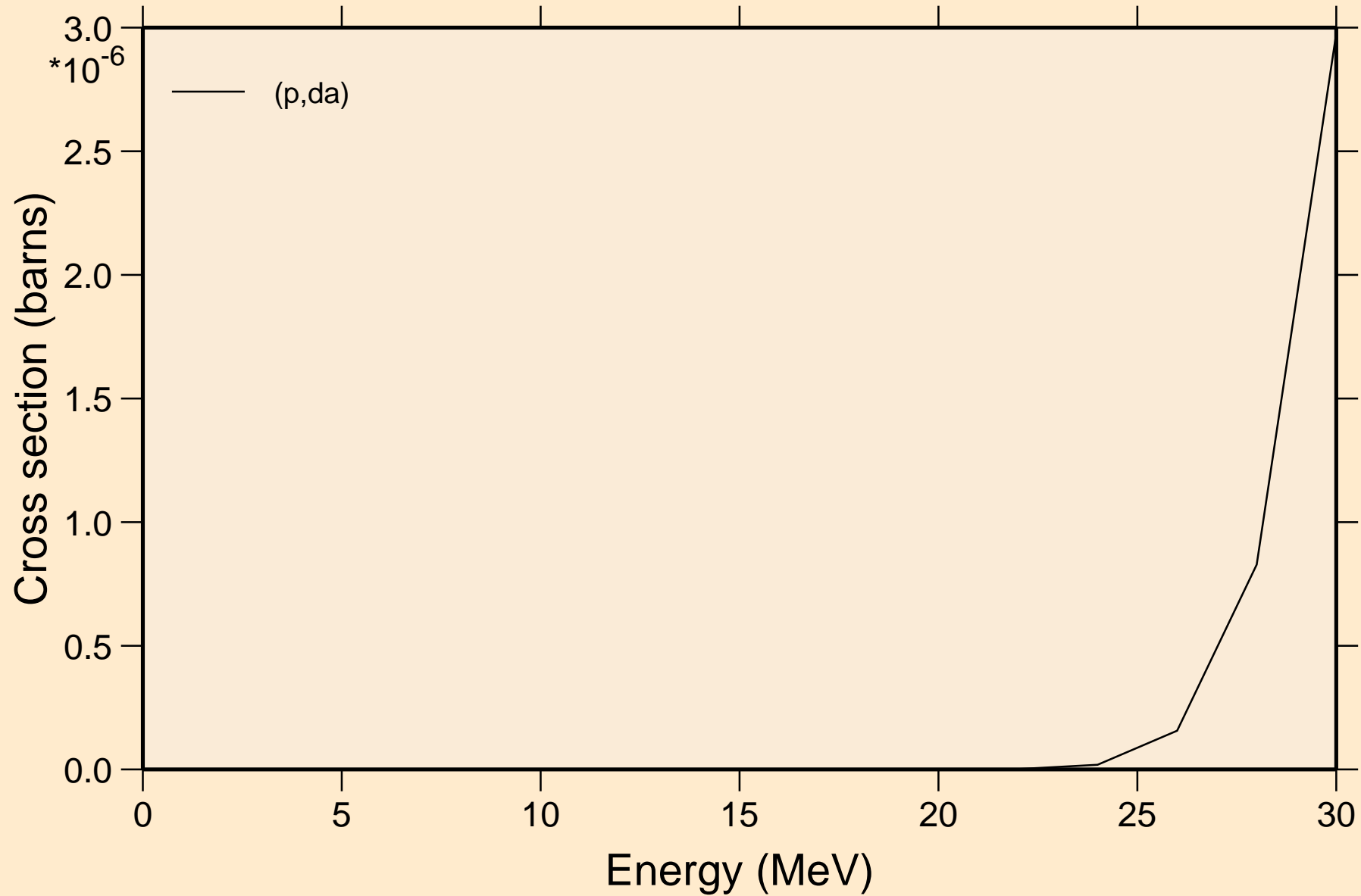


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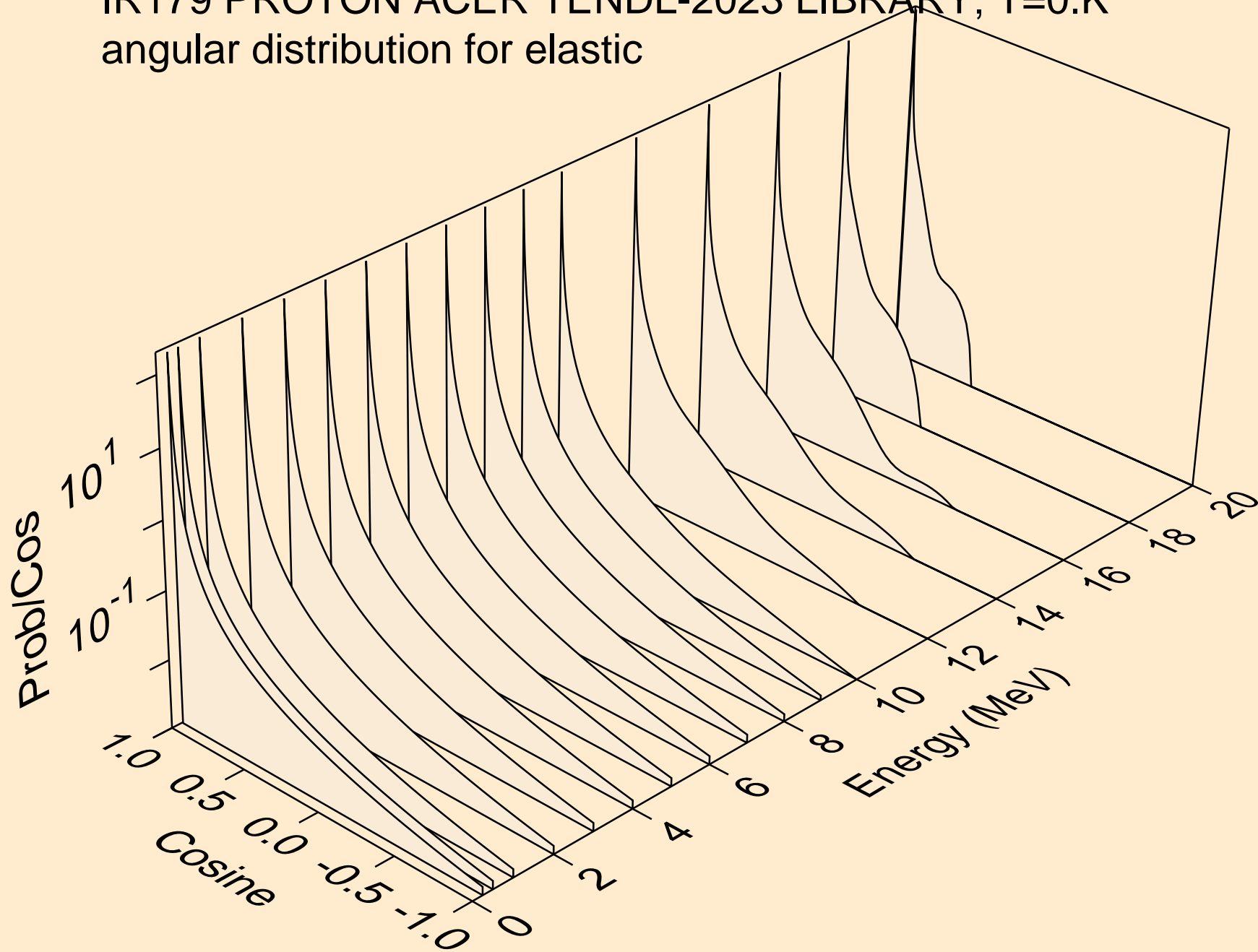
## Threshold reactions



IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

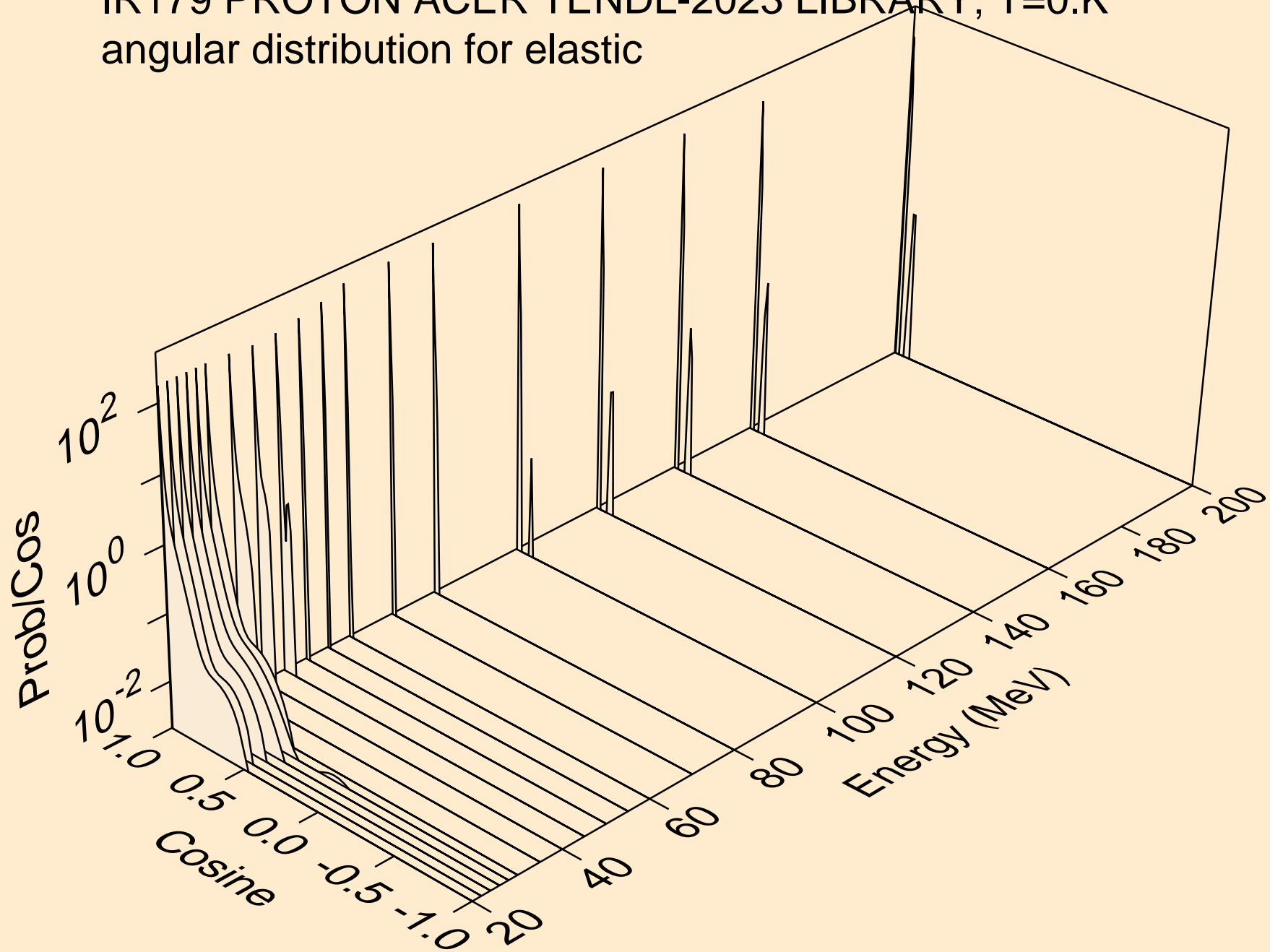


IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

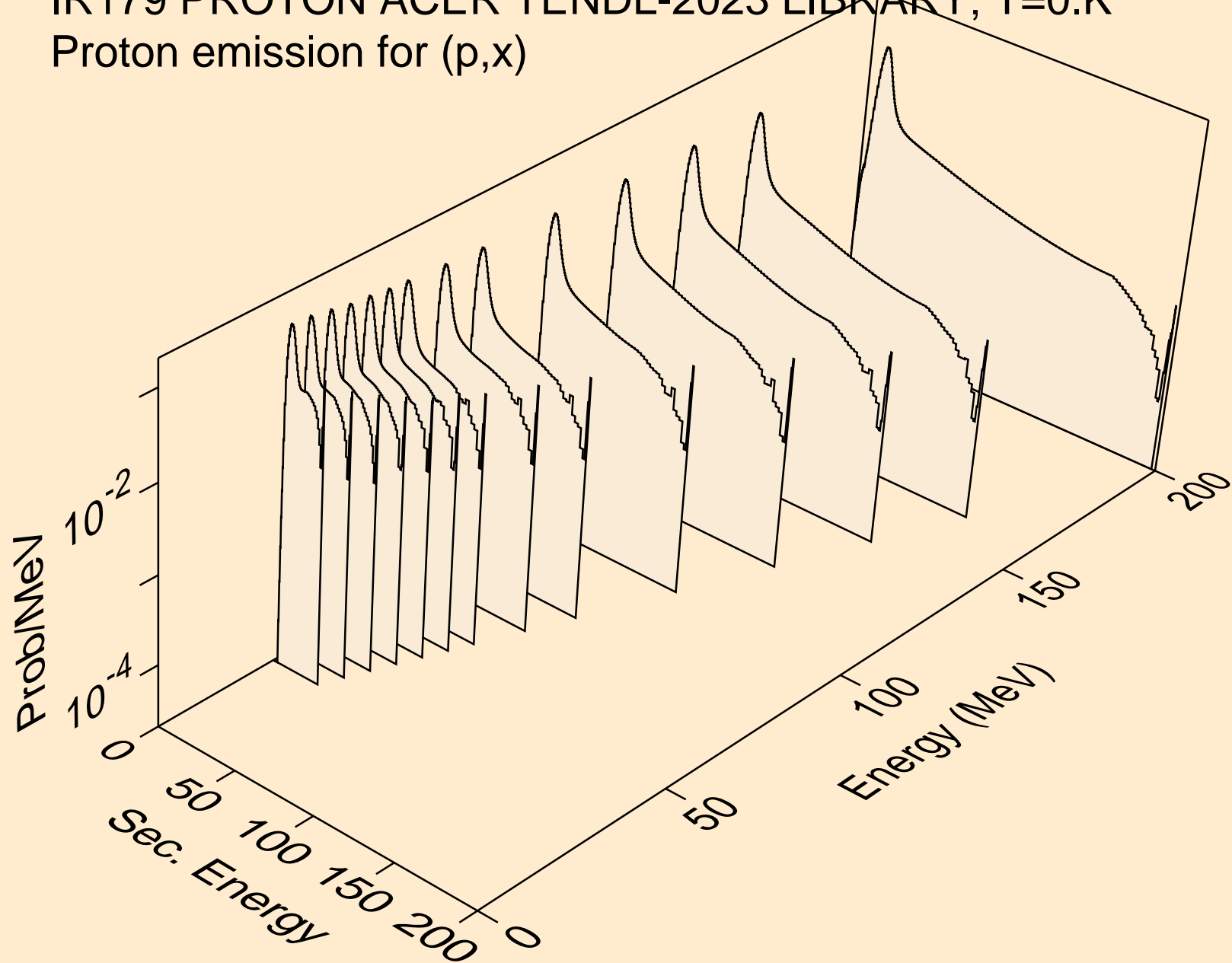




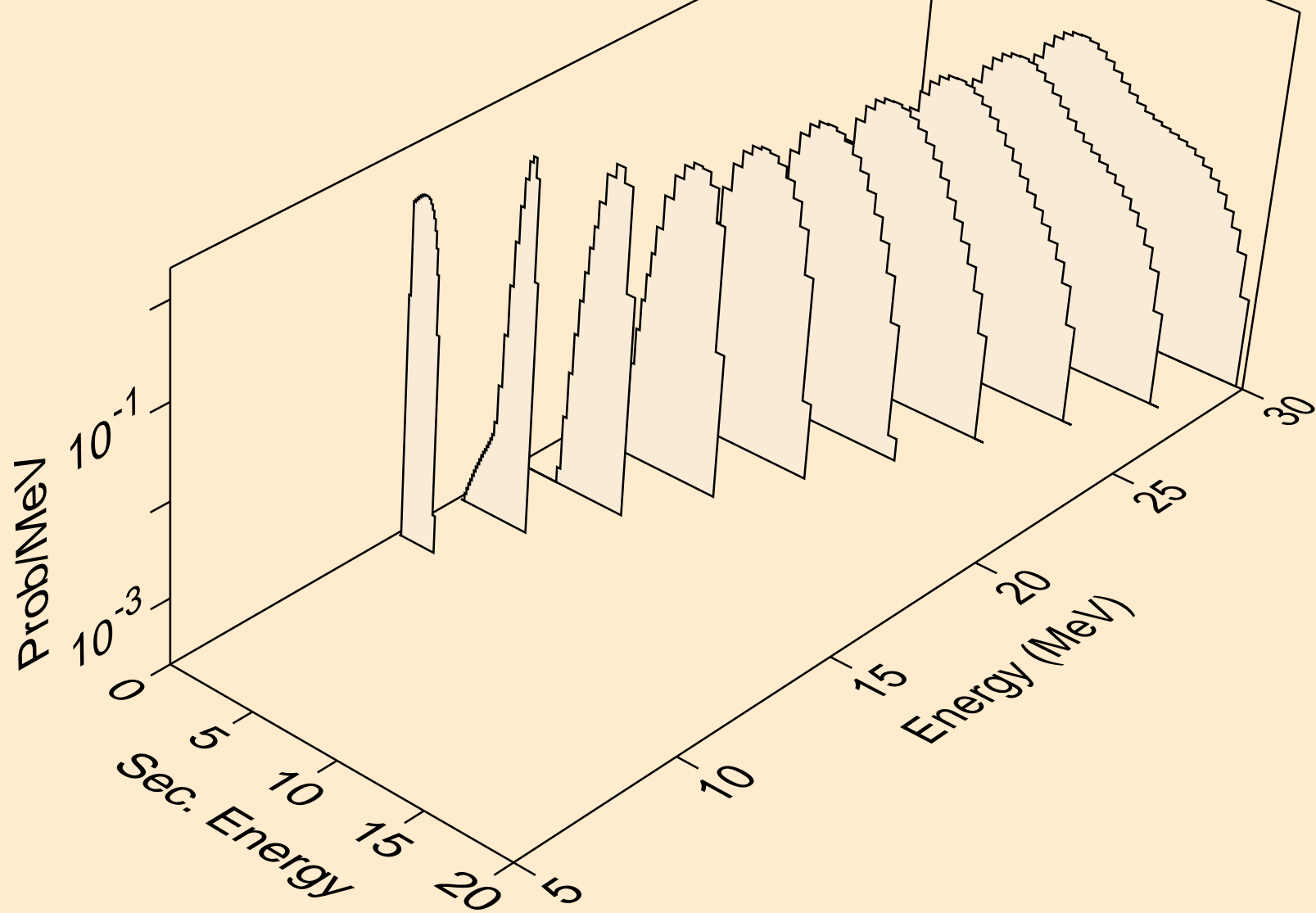
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angular distribution for elastic



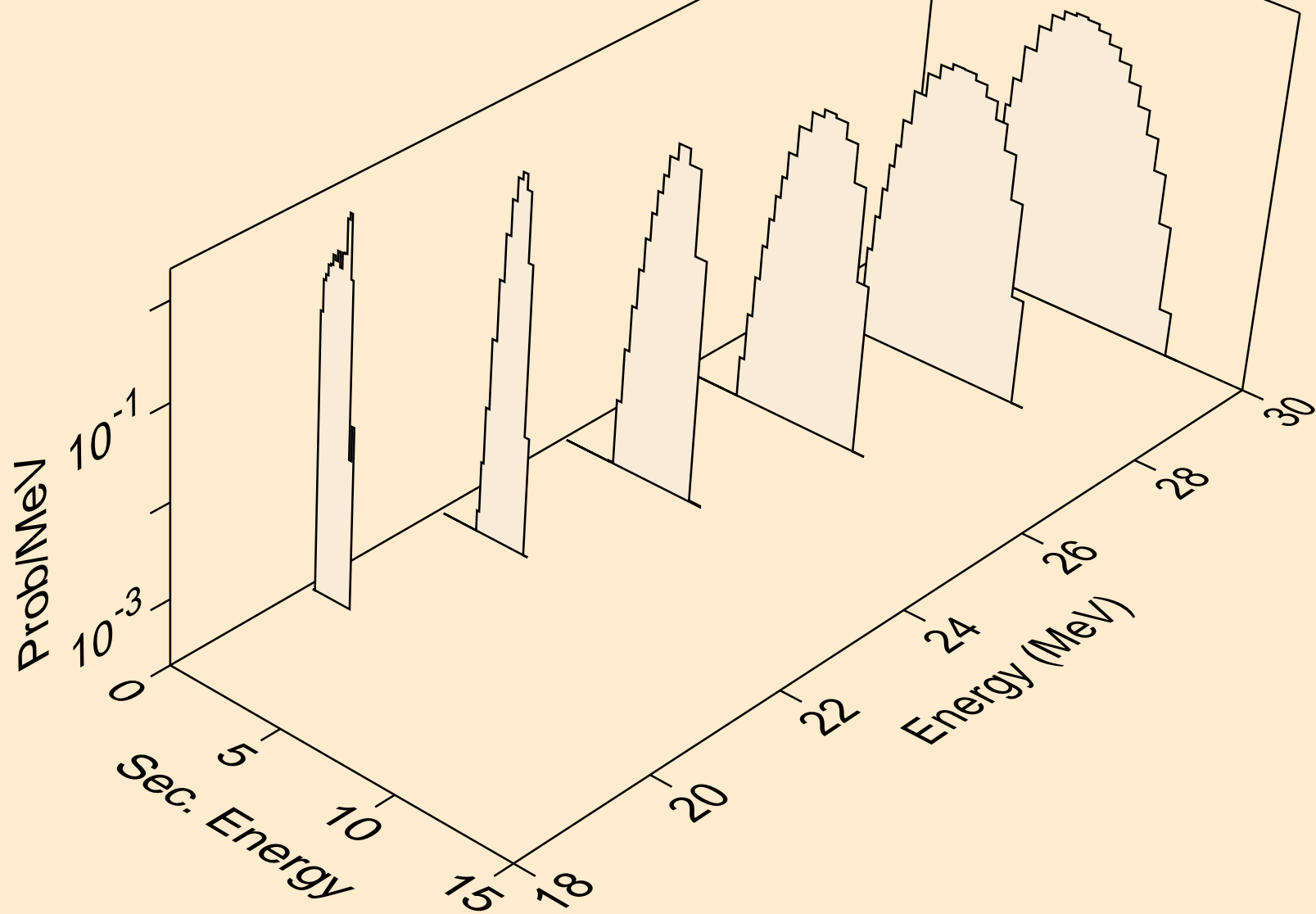
IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



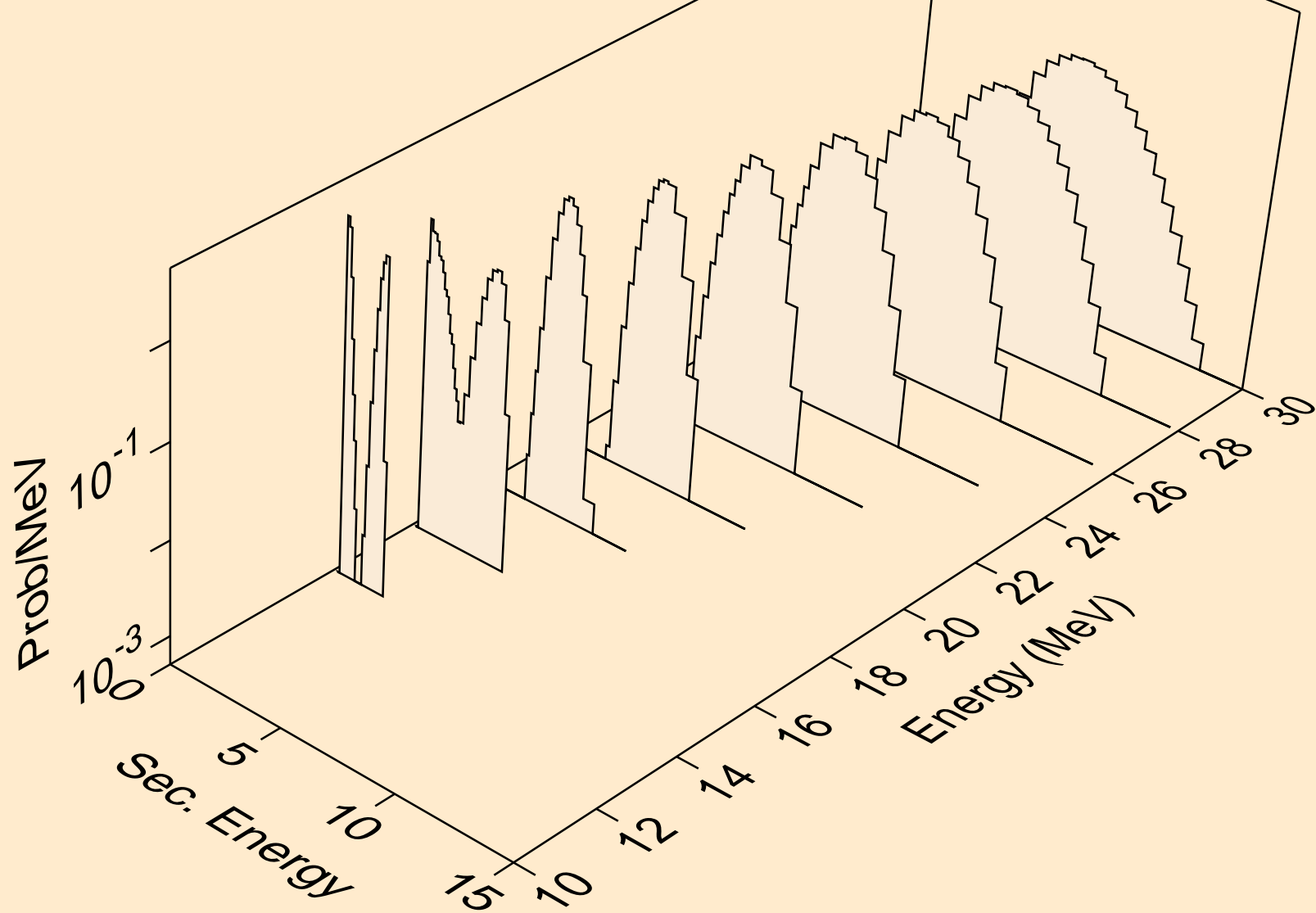
IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



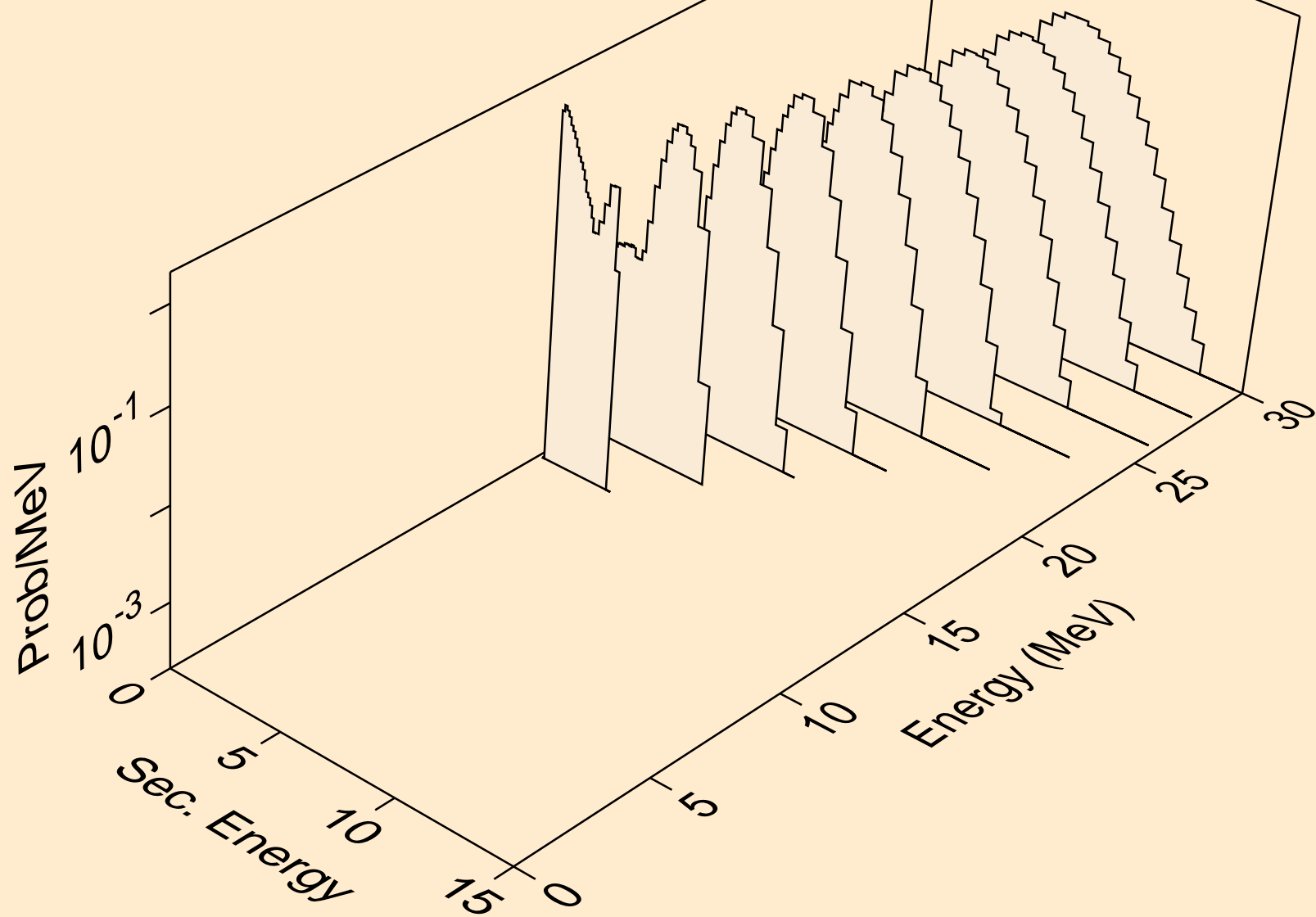
IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



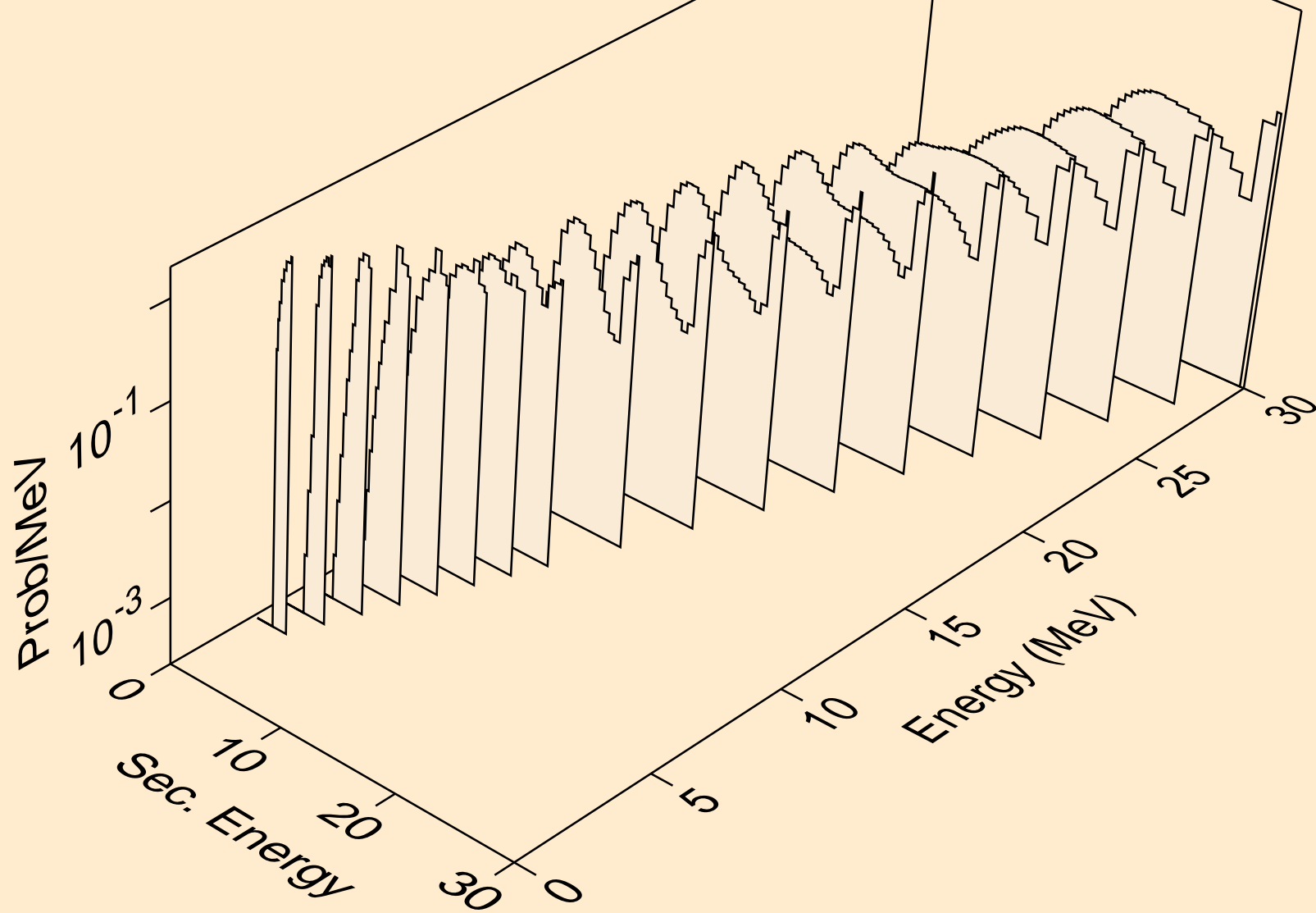
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Proton emission for (p,n2p)



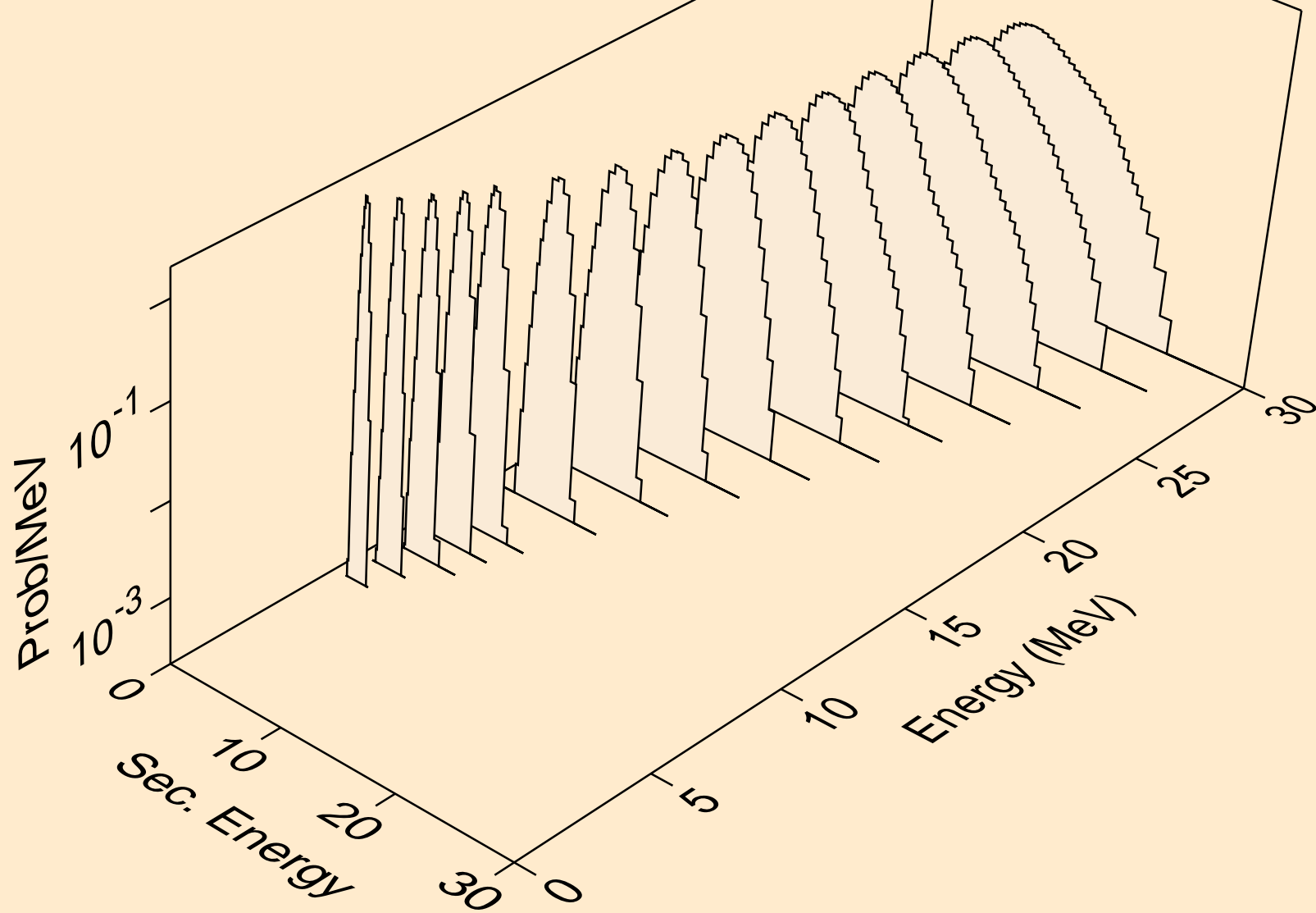
IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,npa)



IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

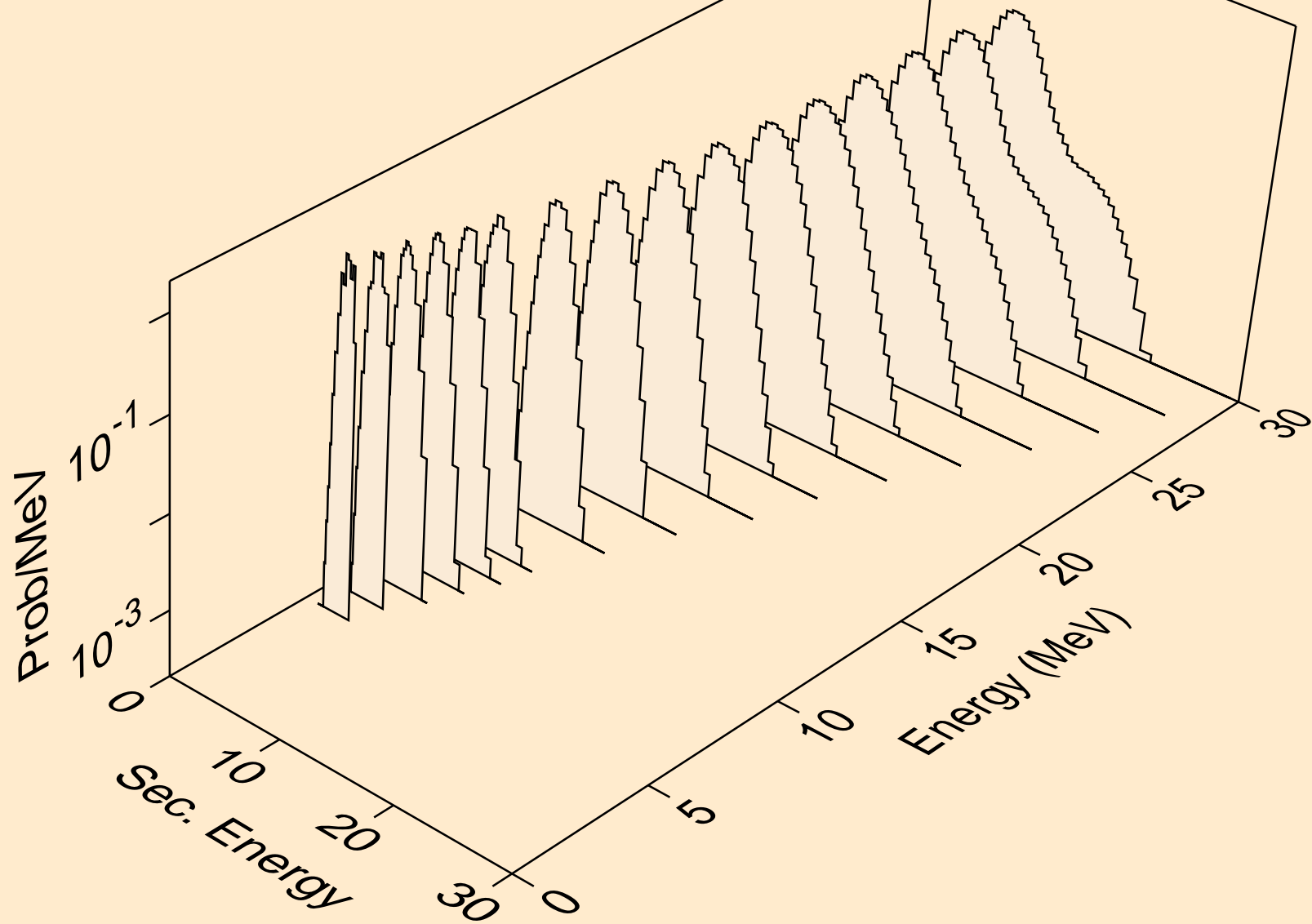


IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2p)

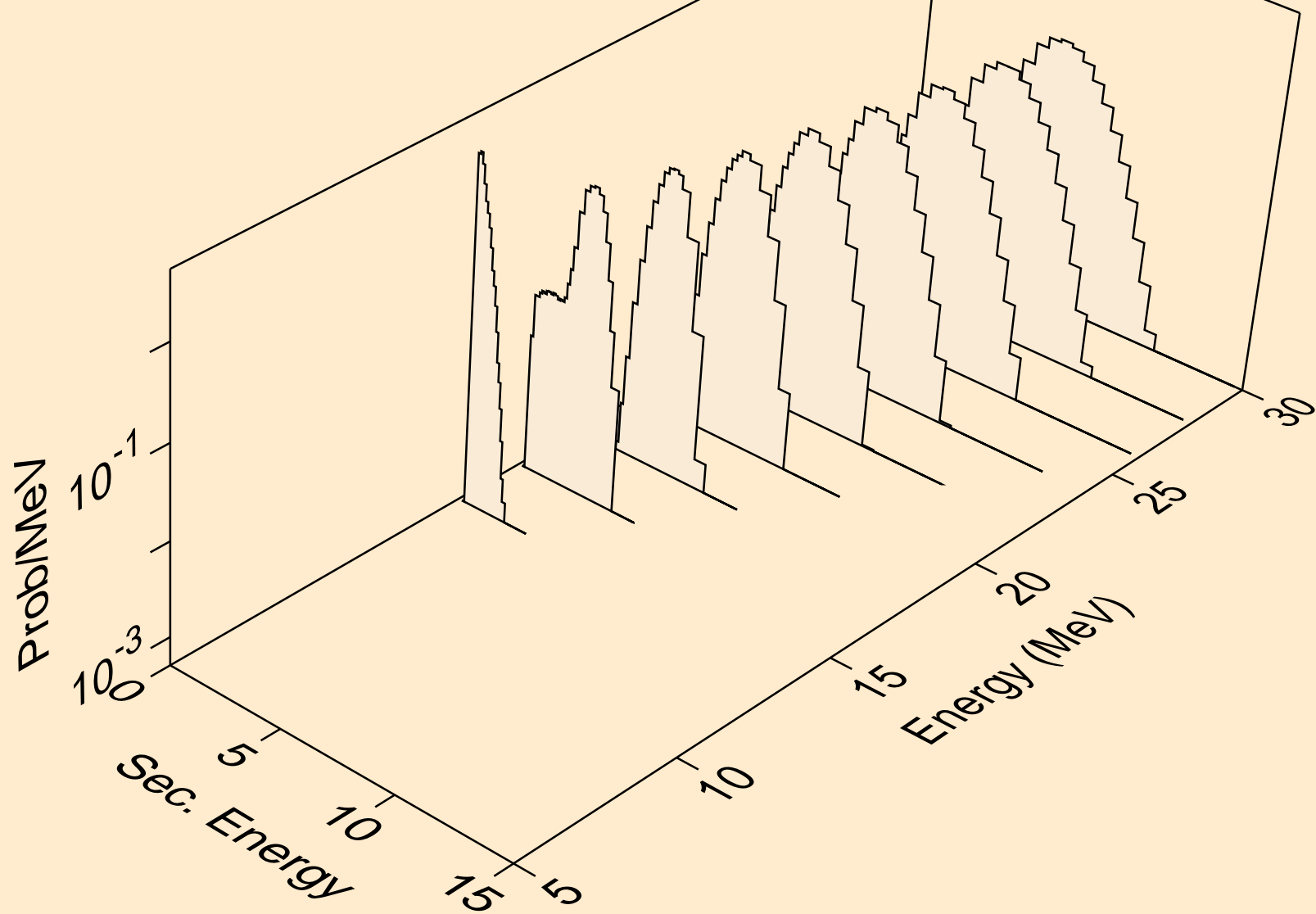




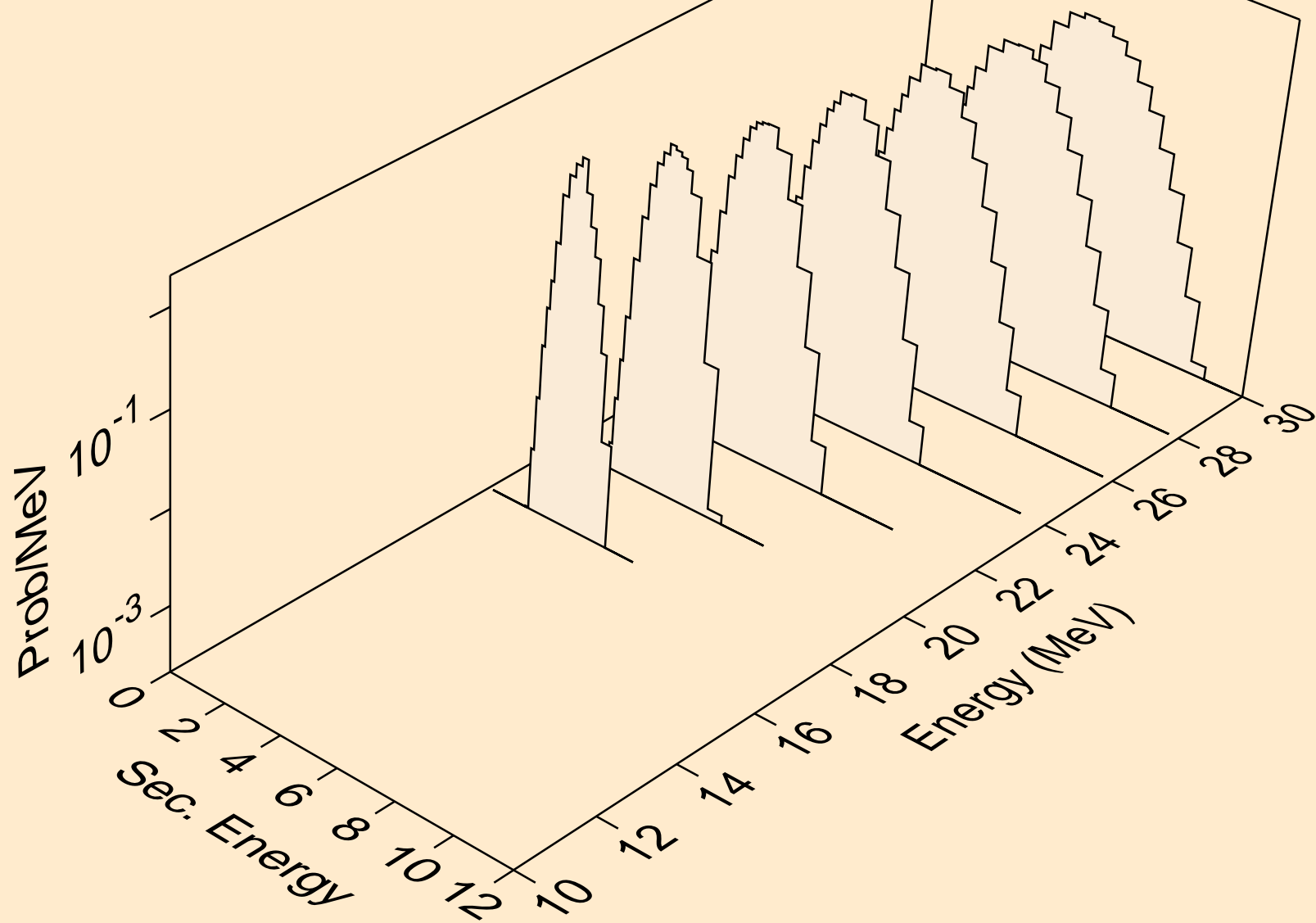
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Proton emission for (p,pa)



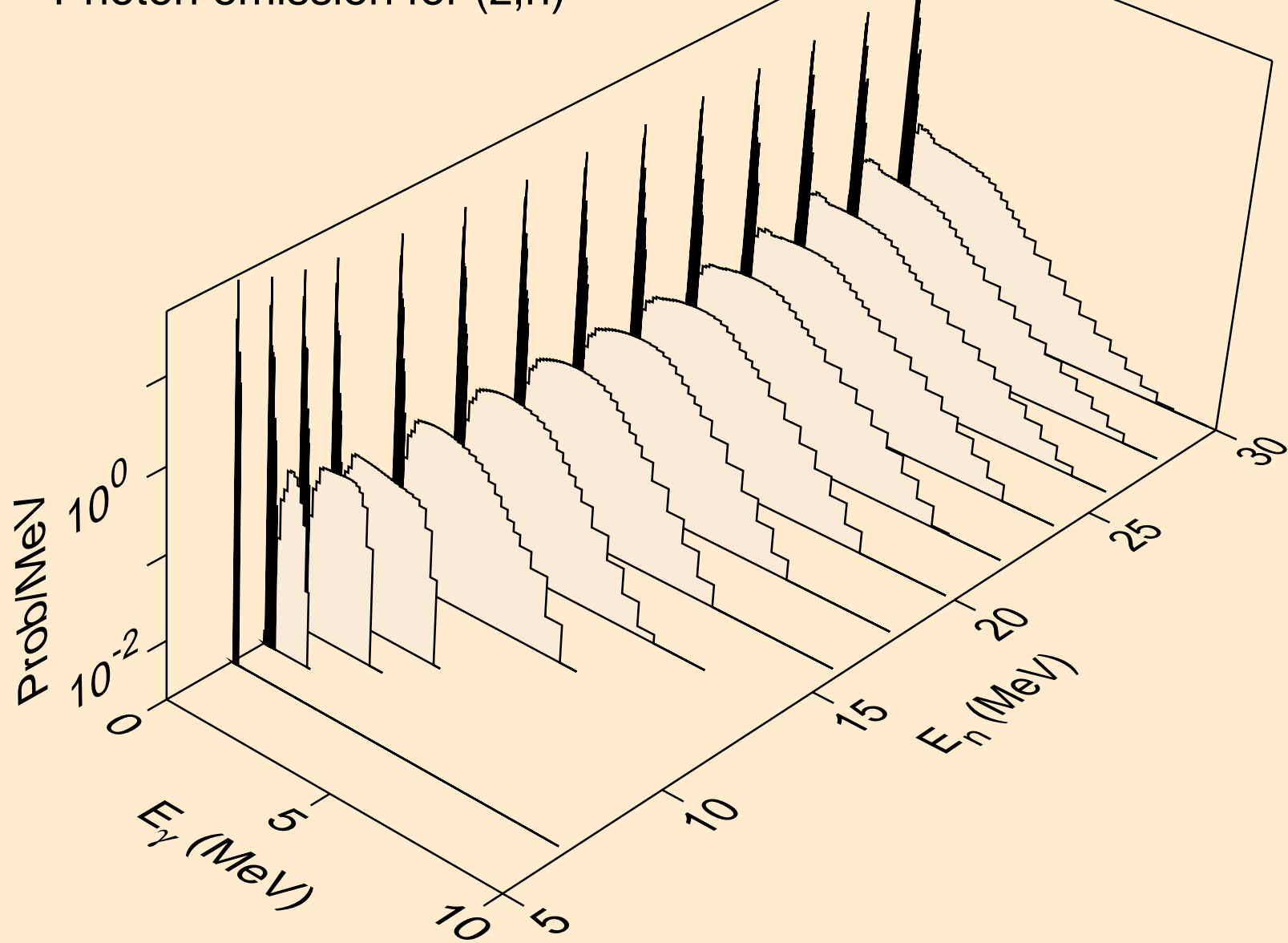
IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pd)



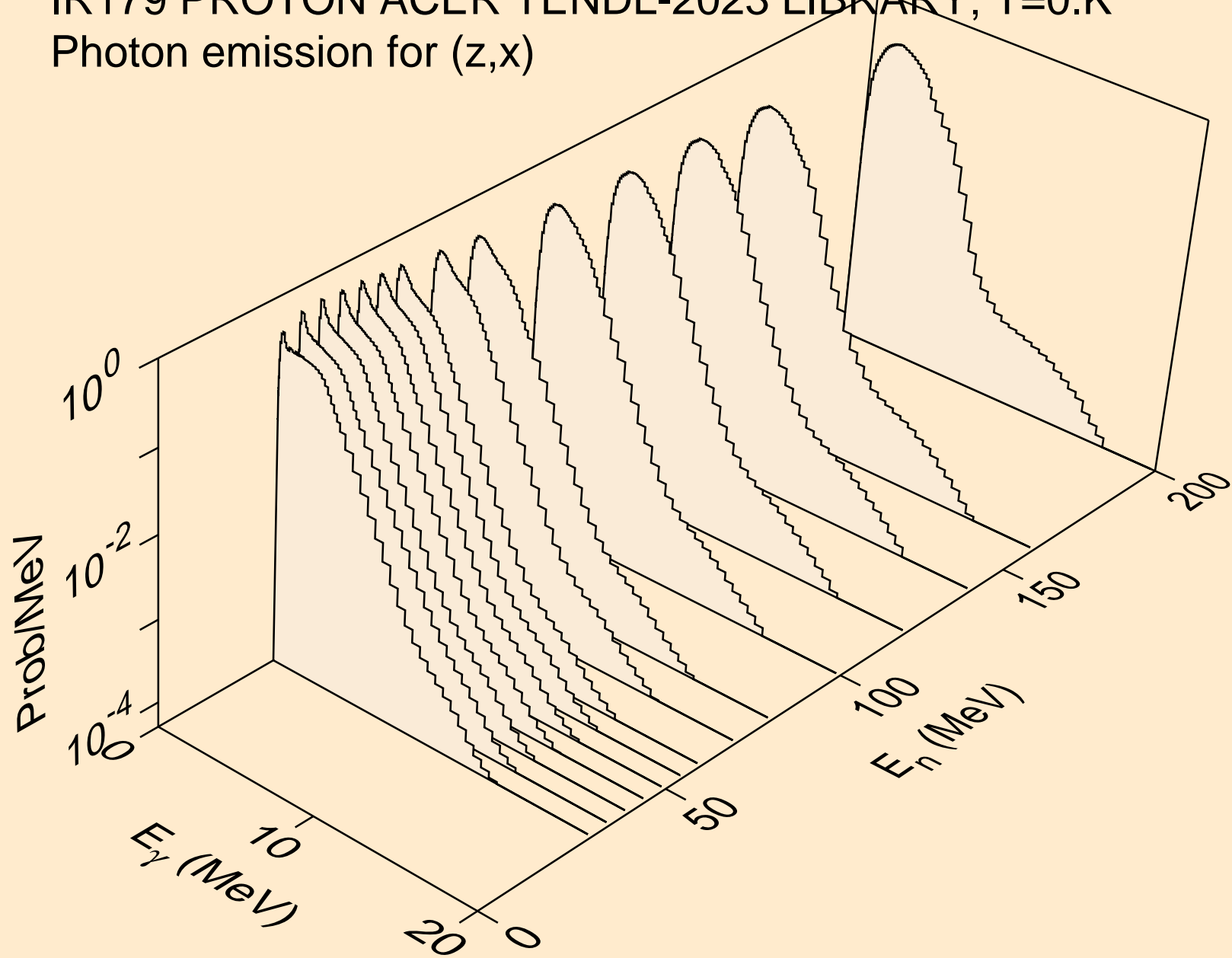
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Proton emission for (p,pt)



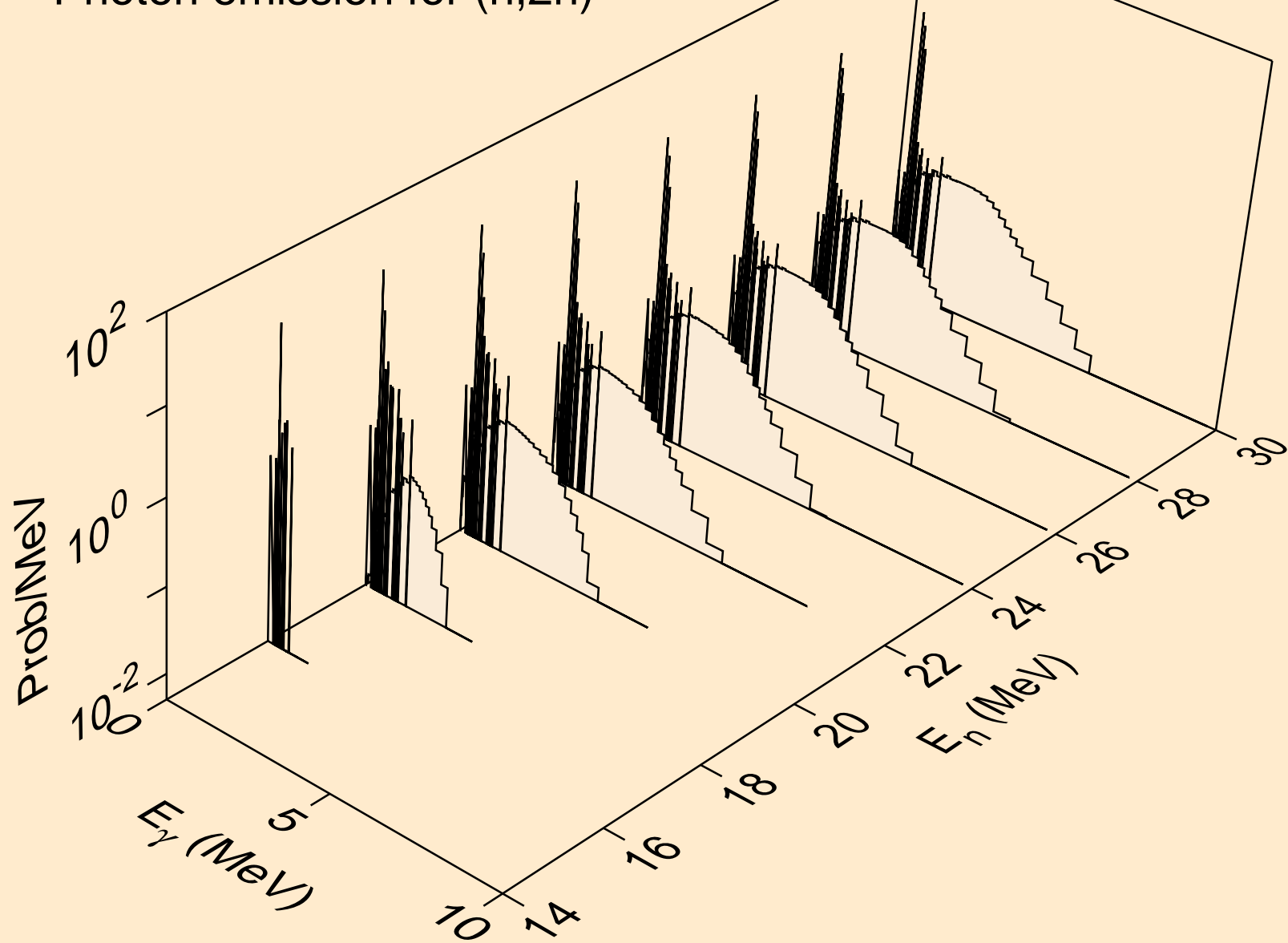
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Photon emission for (z,n)



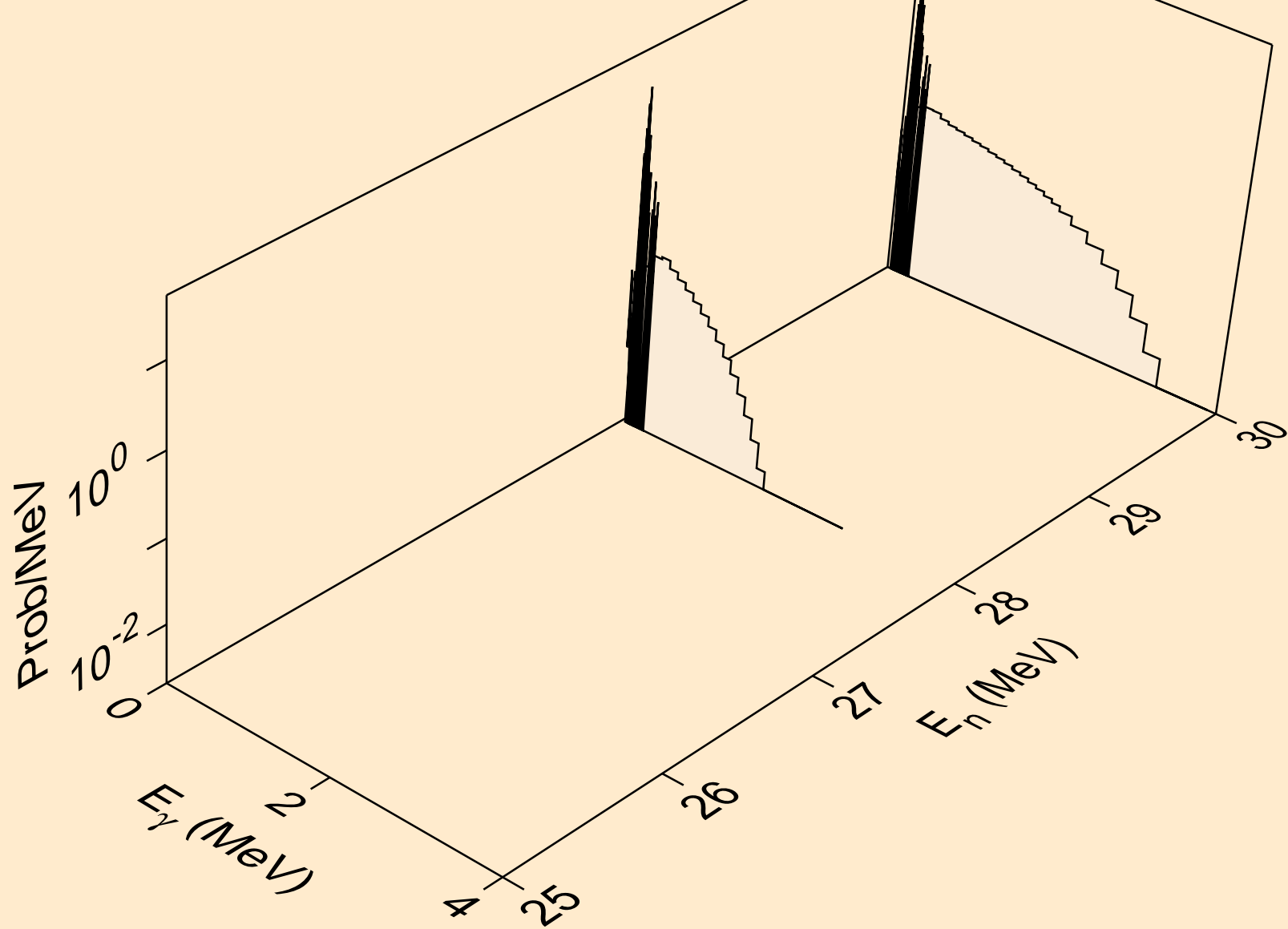
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Photon emission for (z,x)



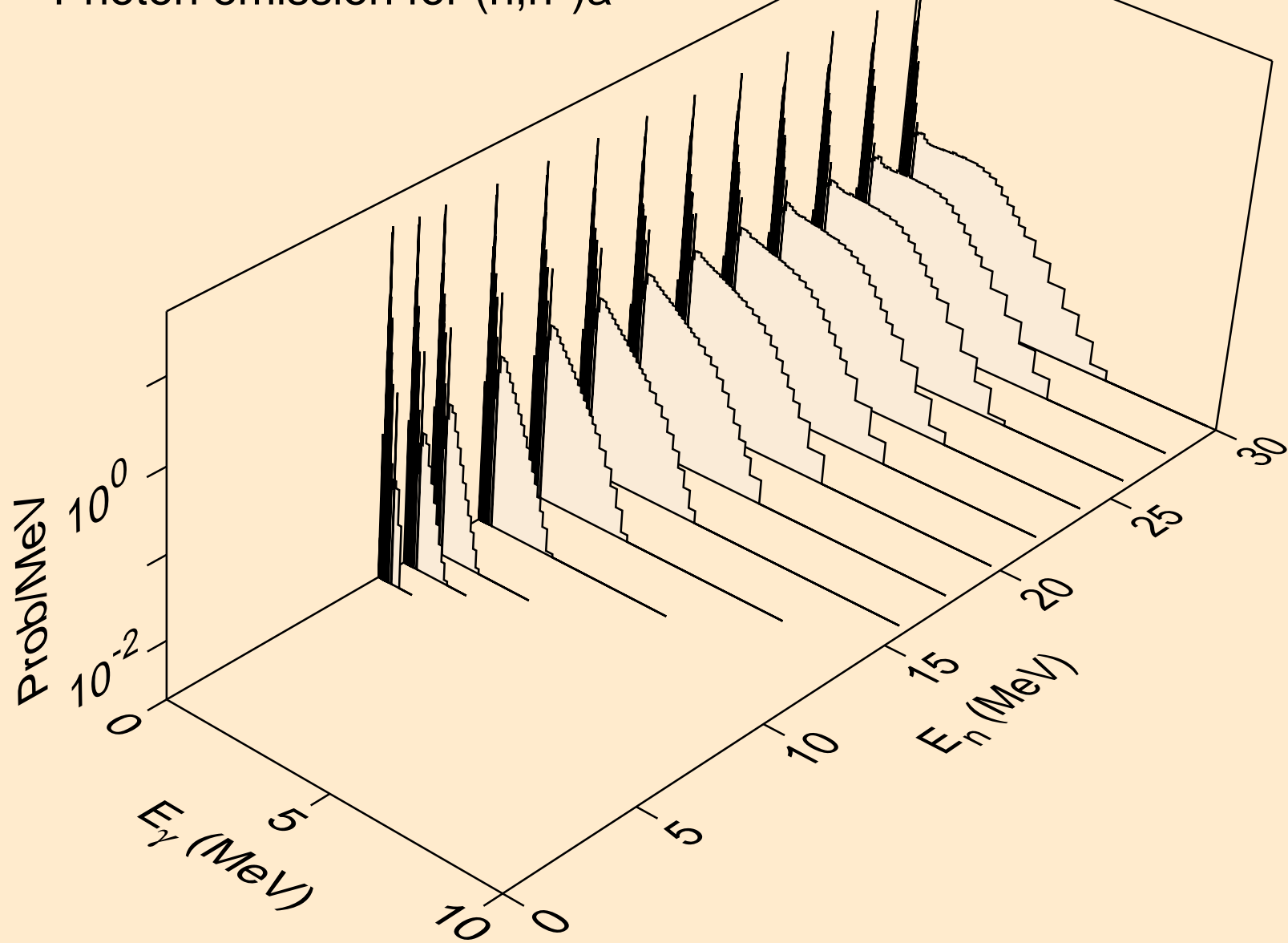
IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)

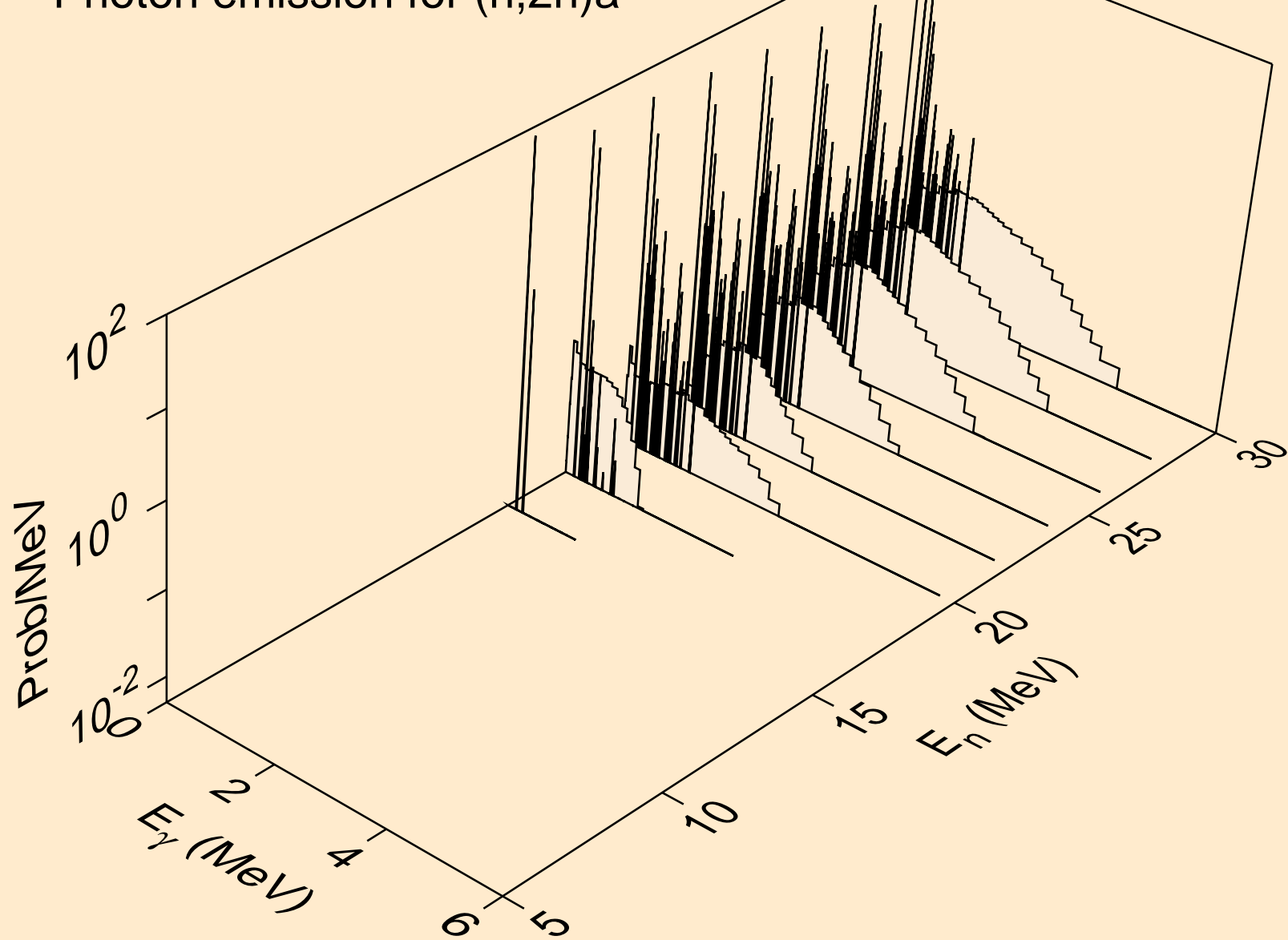


IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

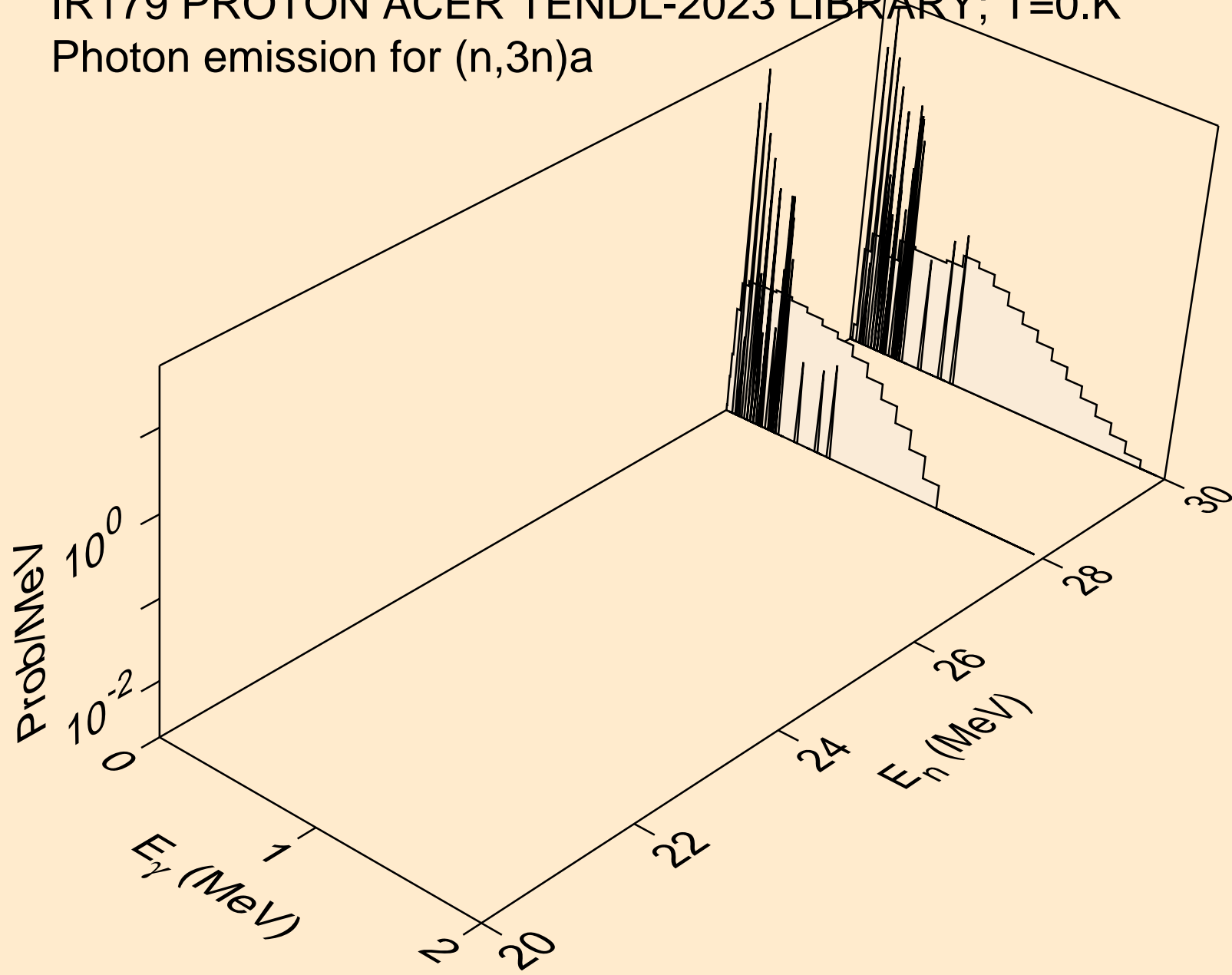




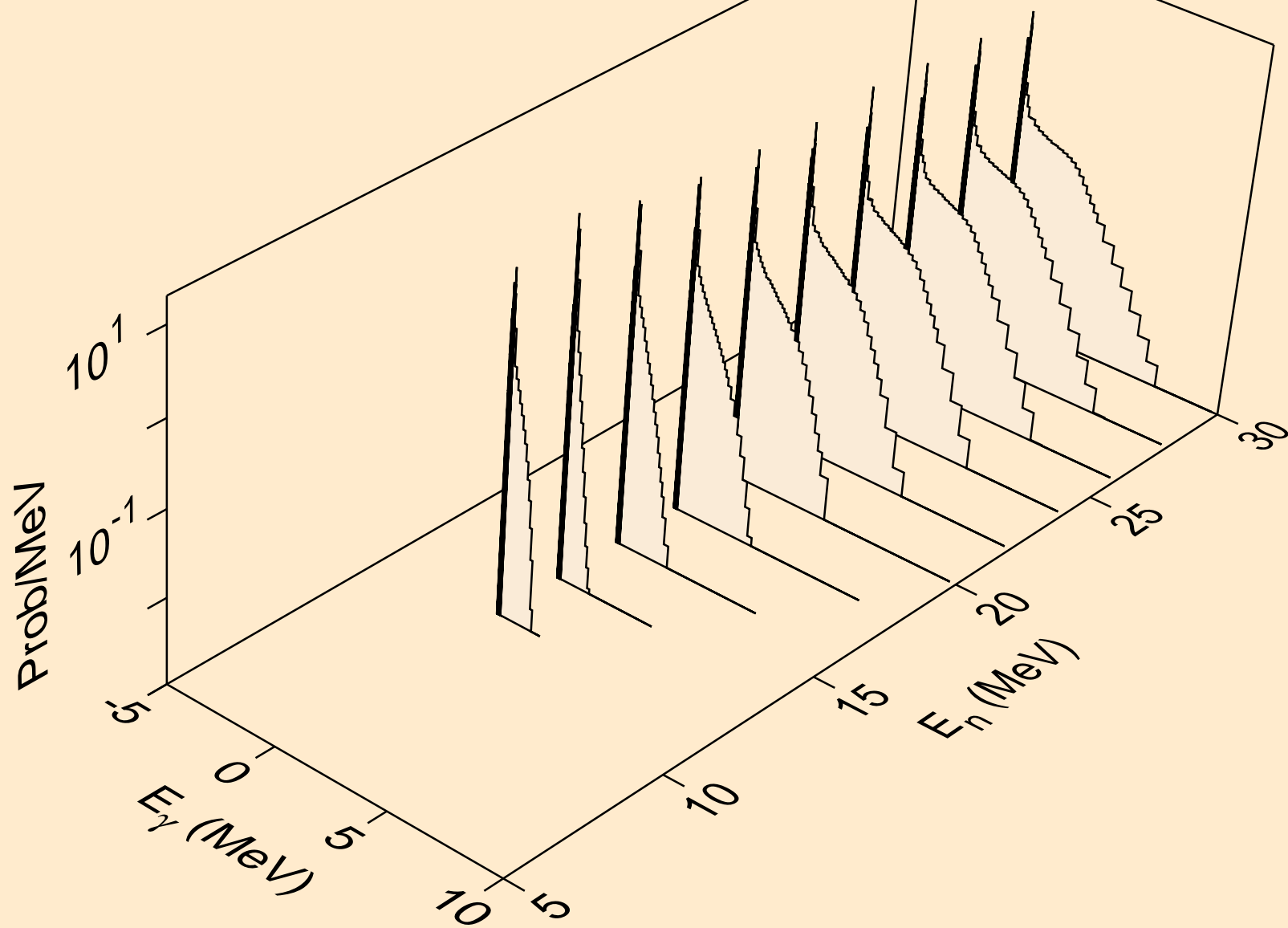
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Photon emission for (n,2n)a



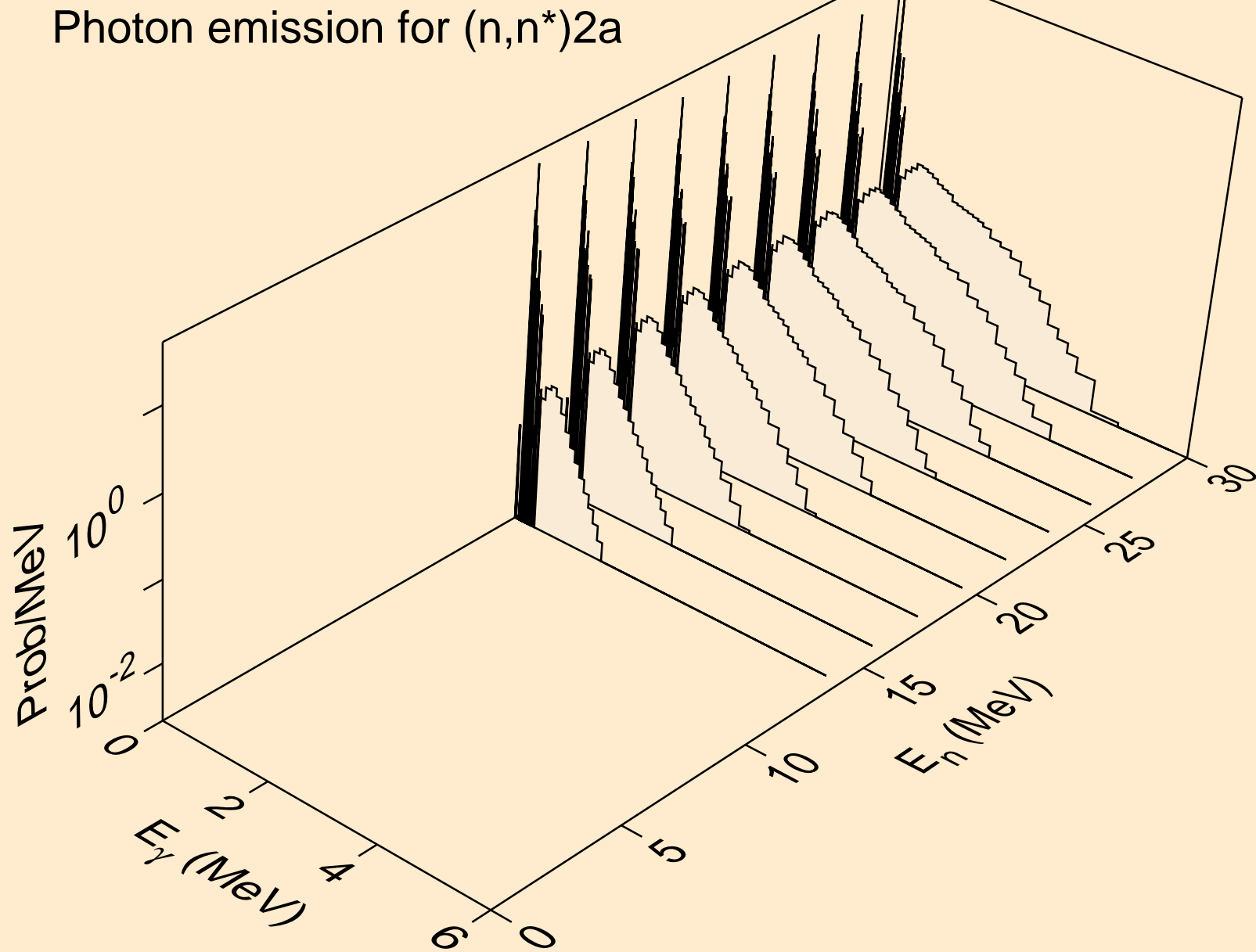
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Photon emission for (n,3n)a



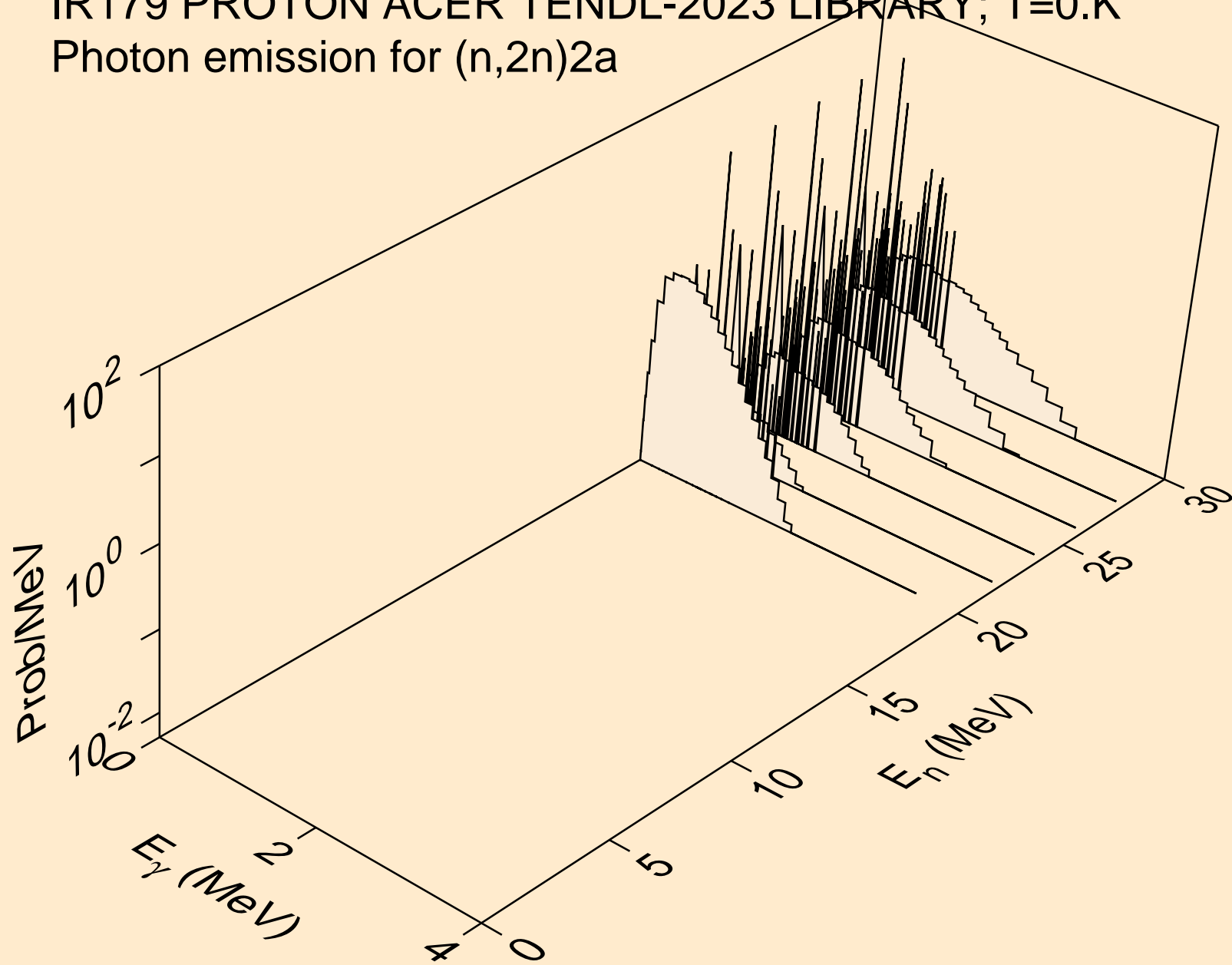
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Photon emission for (n,n\*)p



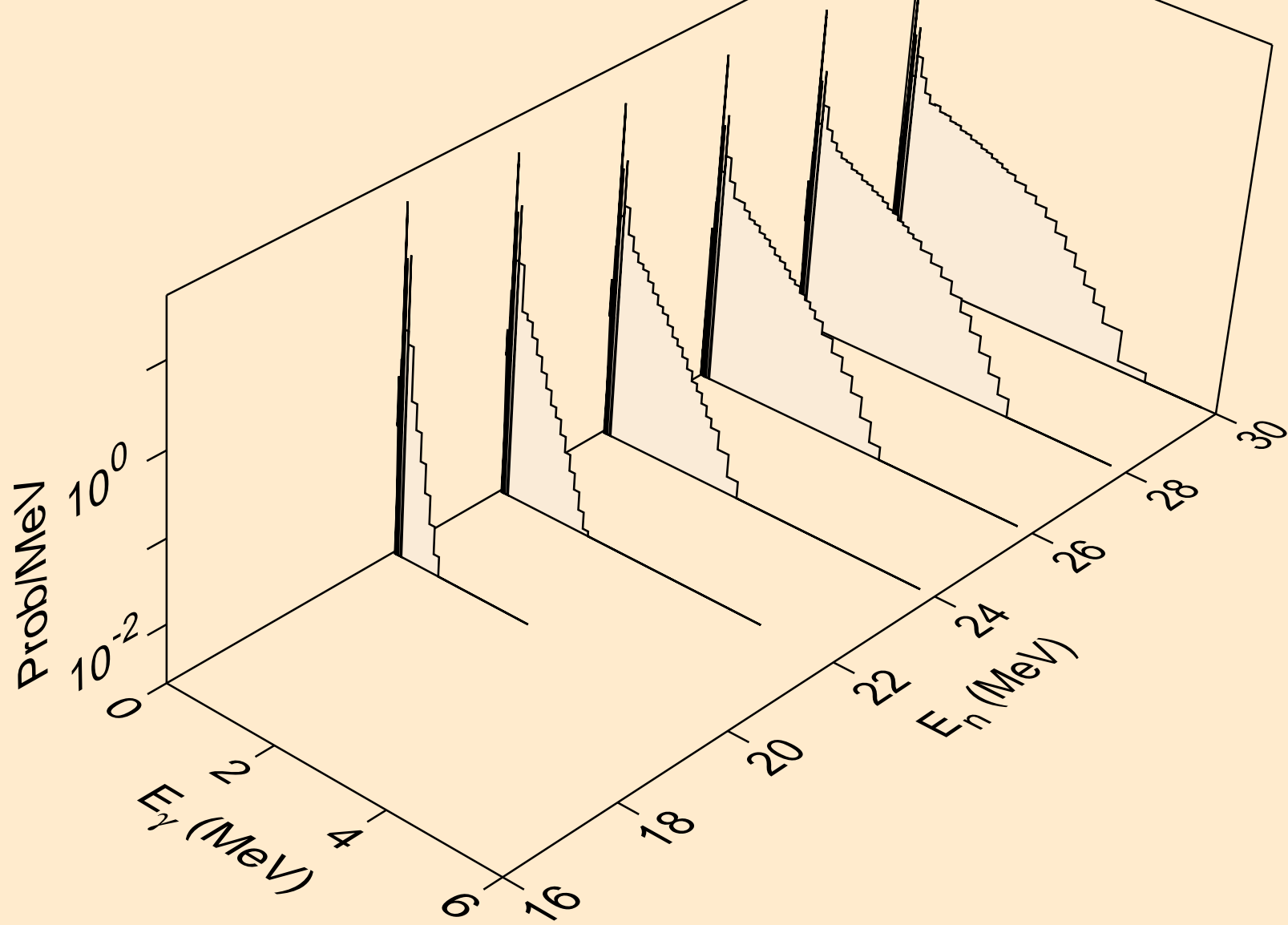
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Photon emission for (n,n\*)2a



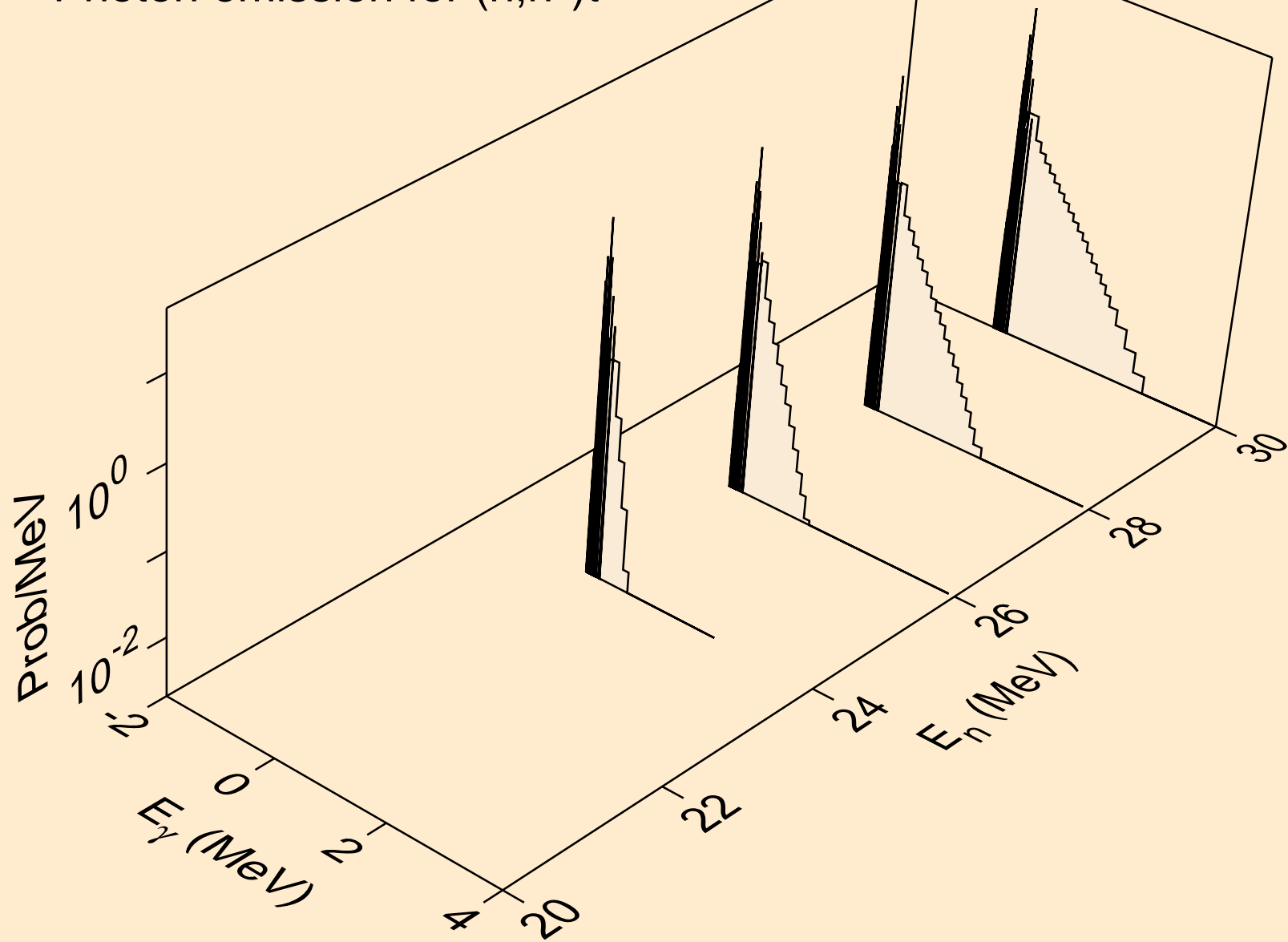
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Photon emission for (n,2n)2a



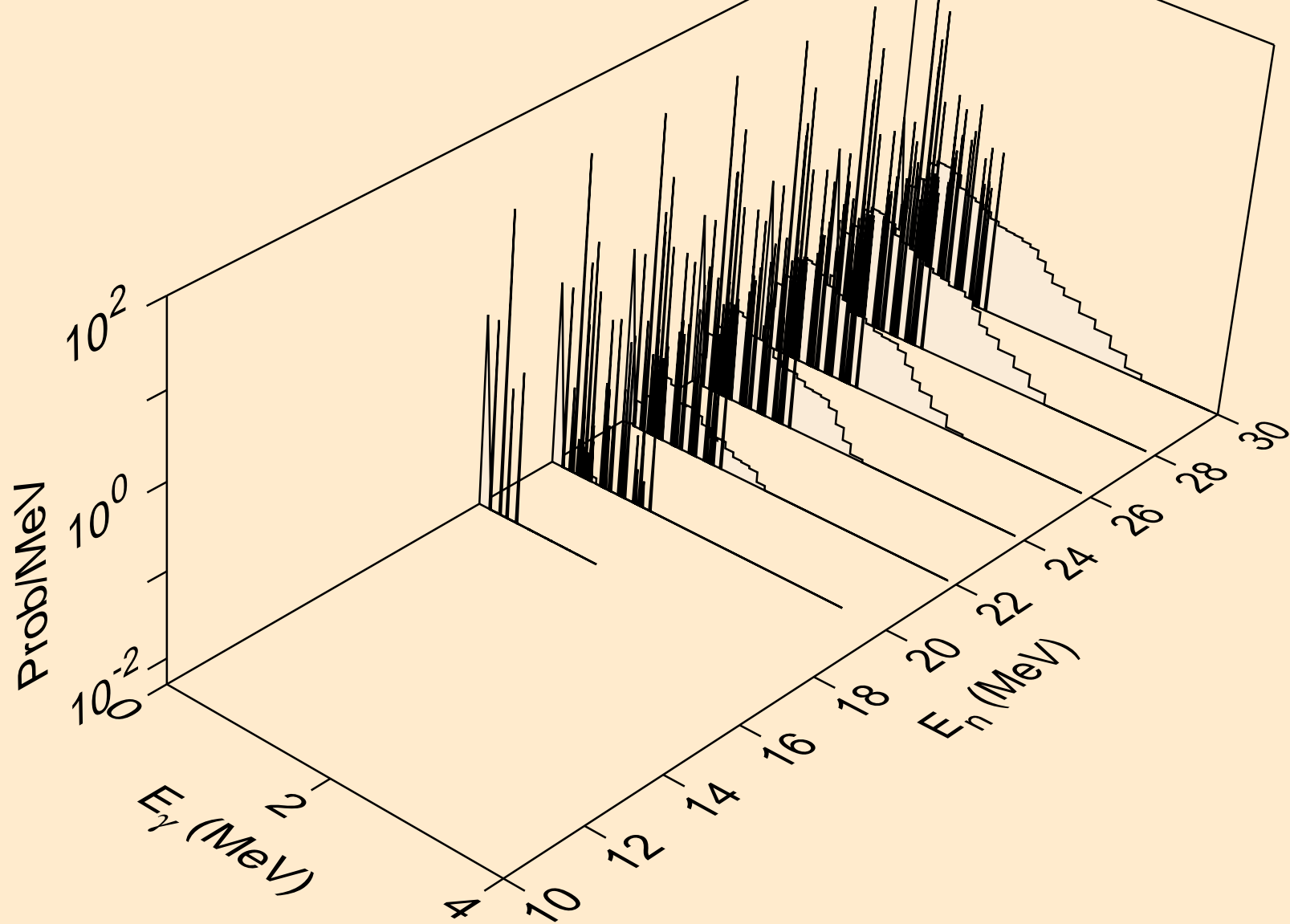
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Photon emission for (n,n\*)d



IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

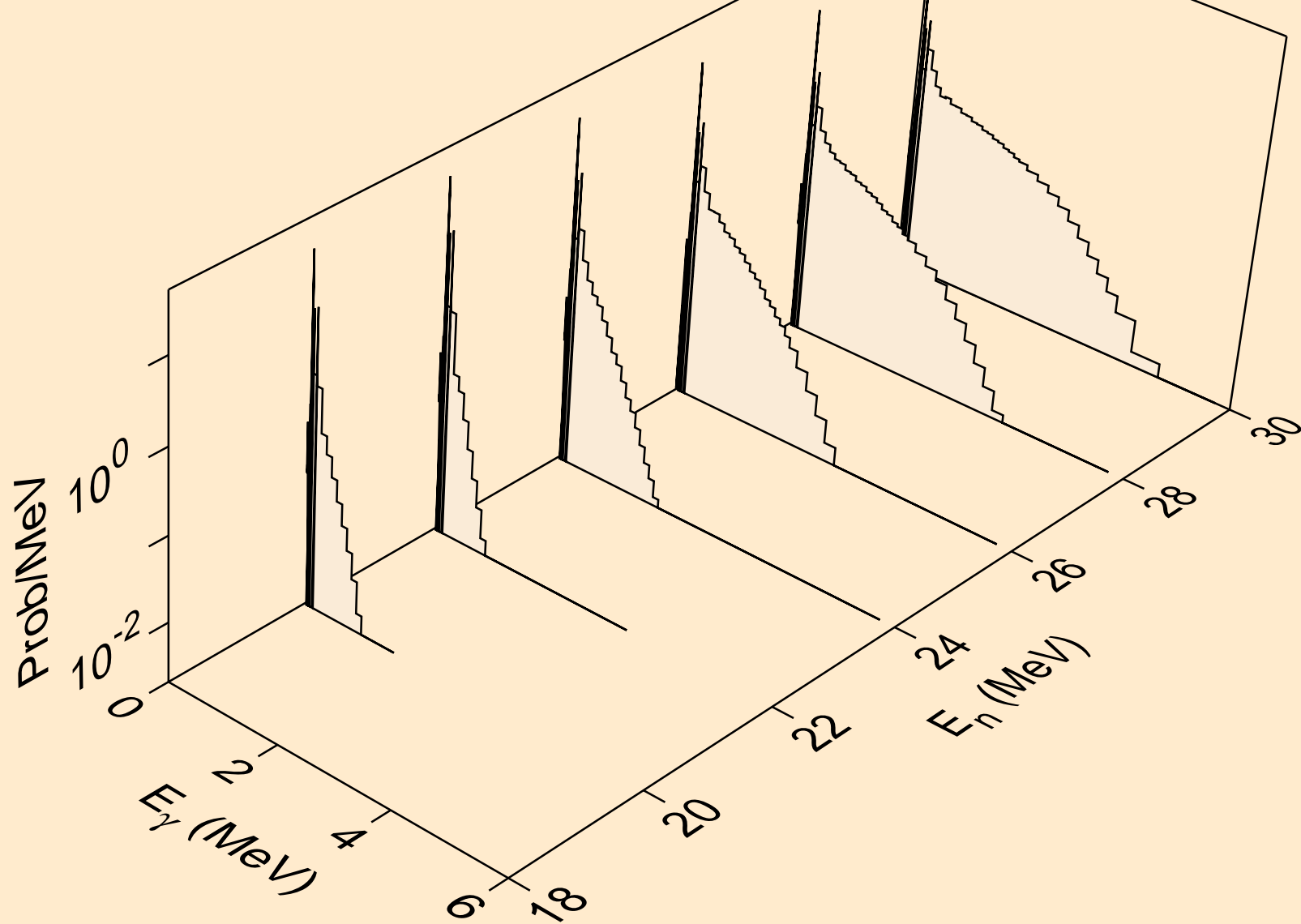


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Photon emission for (n,n\*)he3

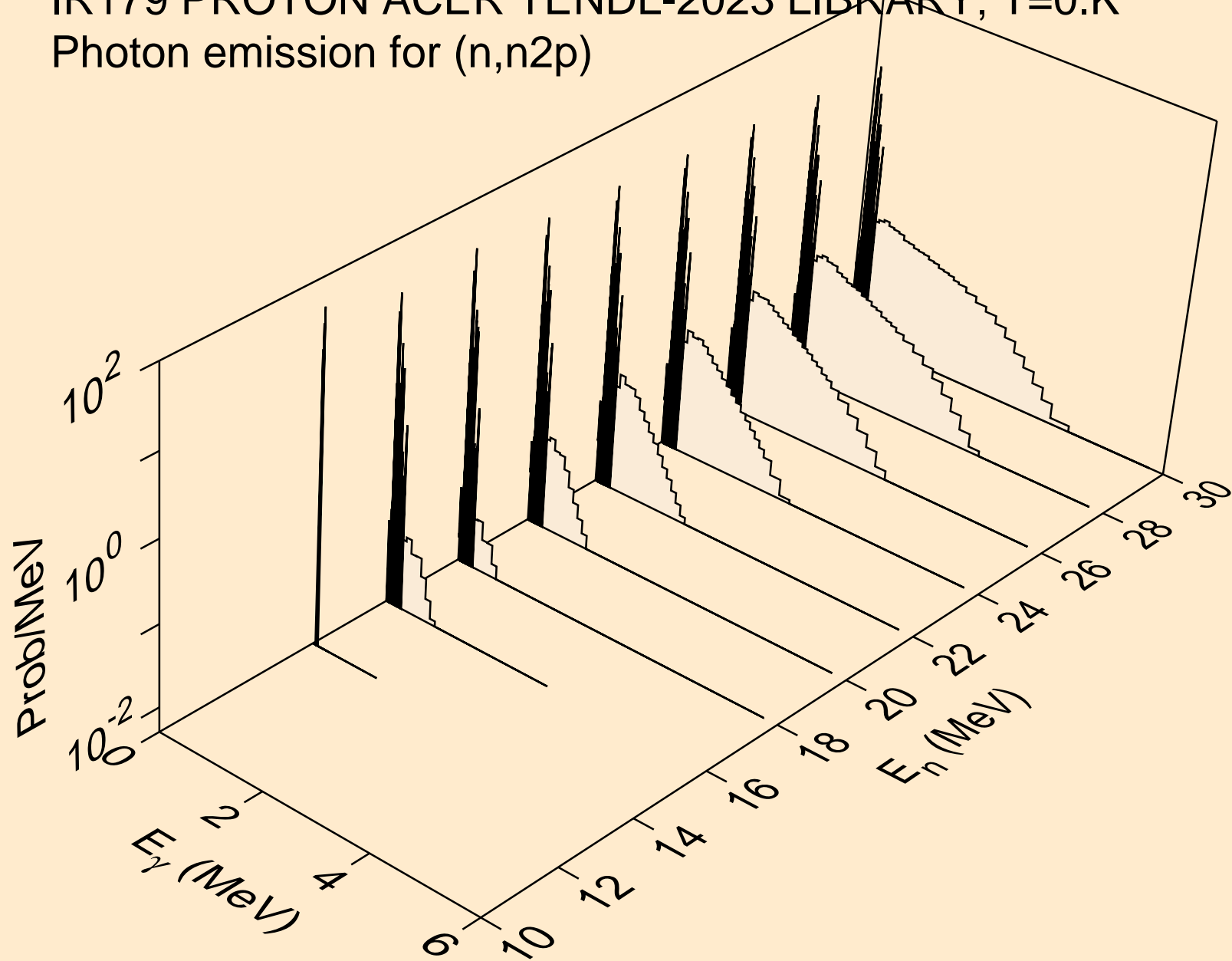




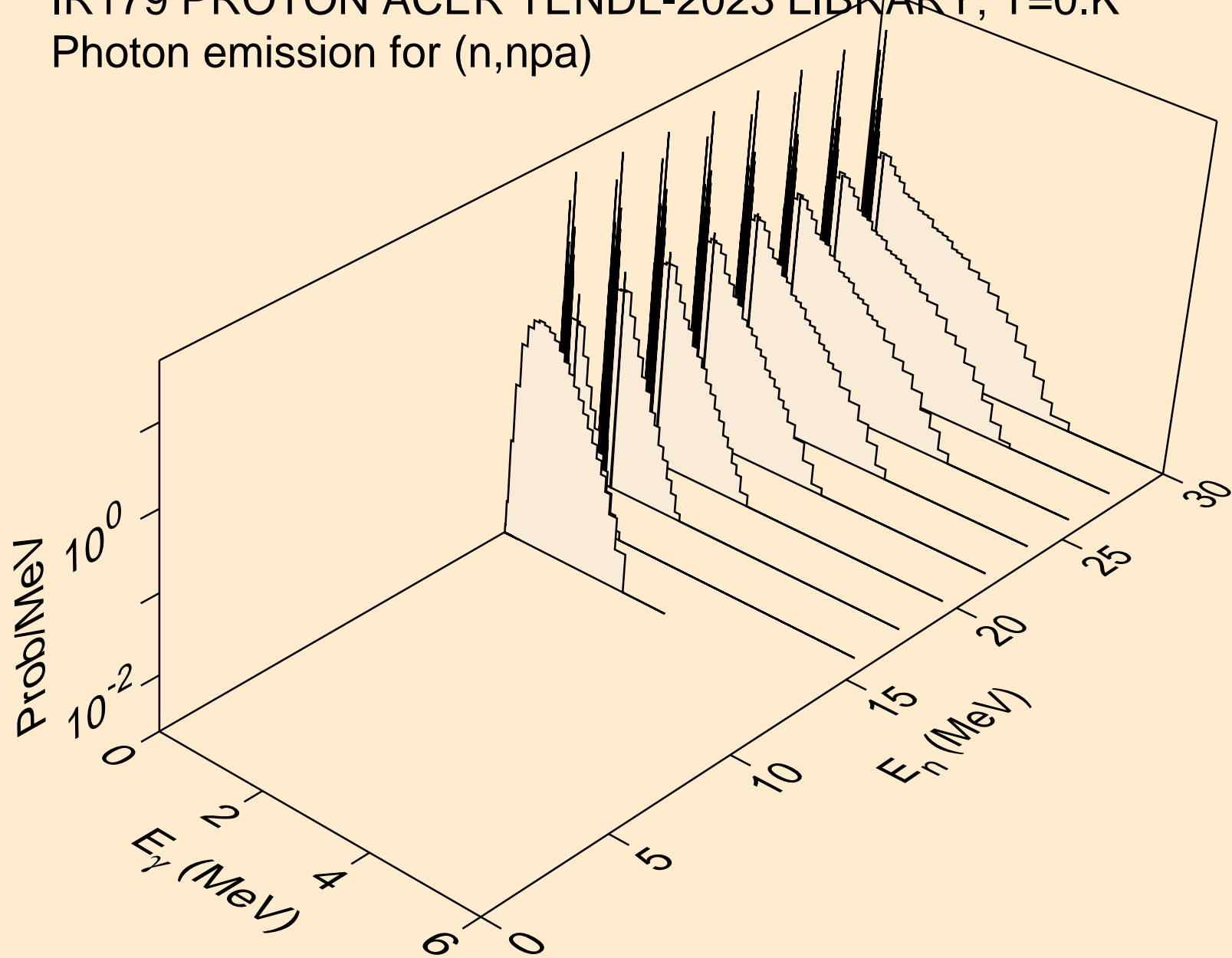
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Photon emission for (n,2np)



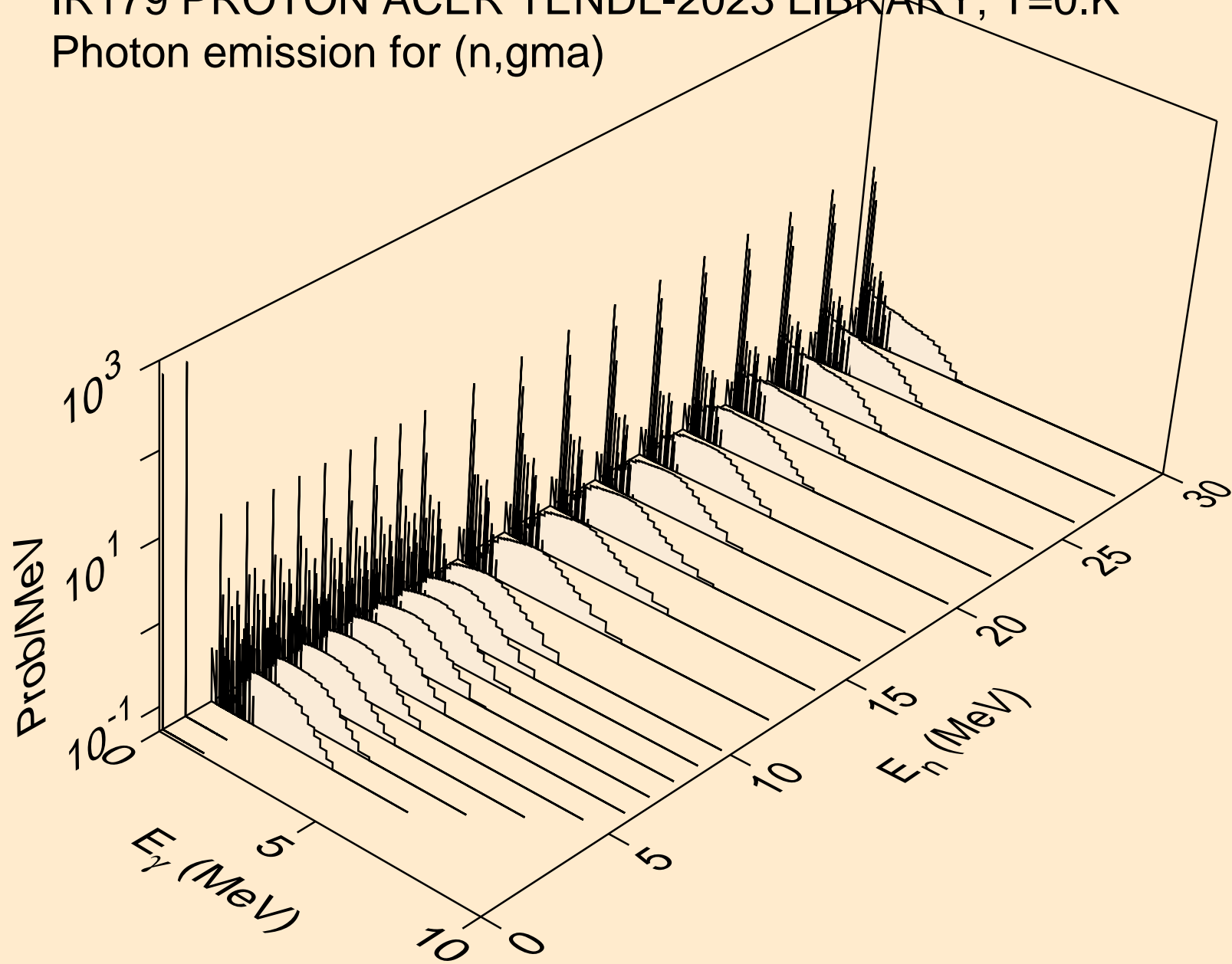
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Photon emission for (n,n2p)



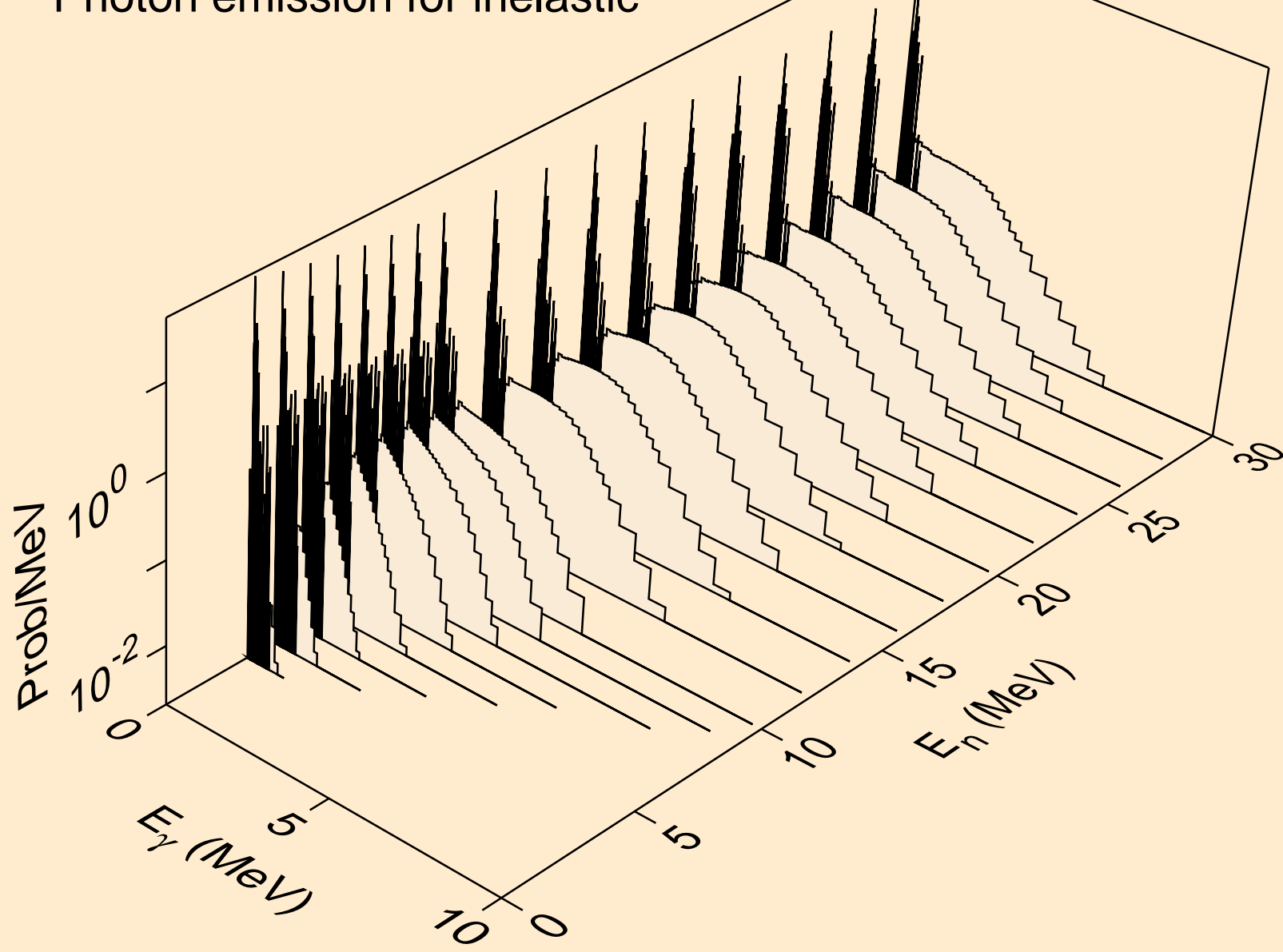
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Photon emission for (n,npa)



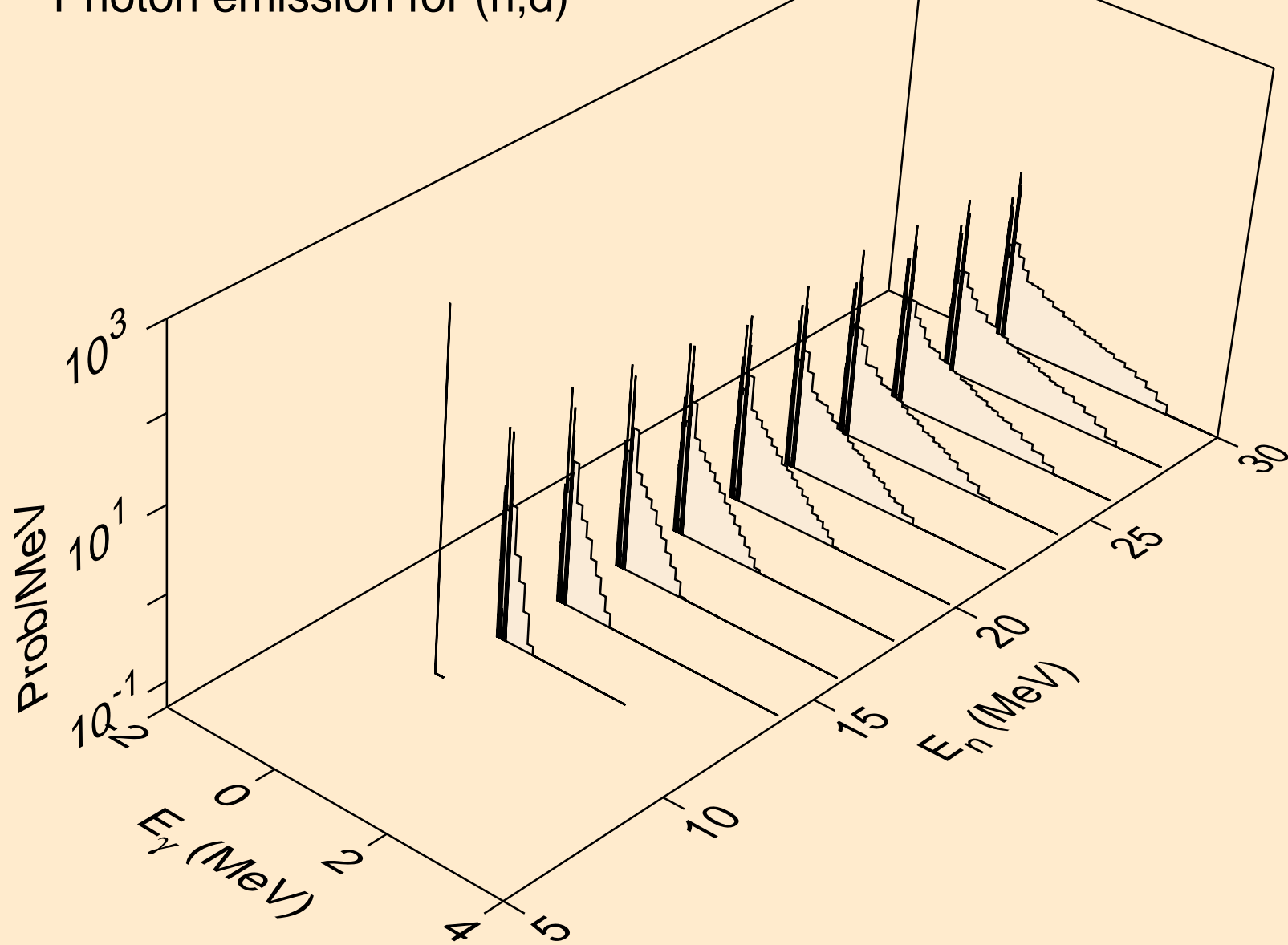
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Photon emission for (n,gma)



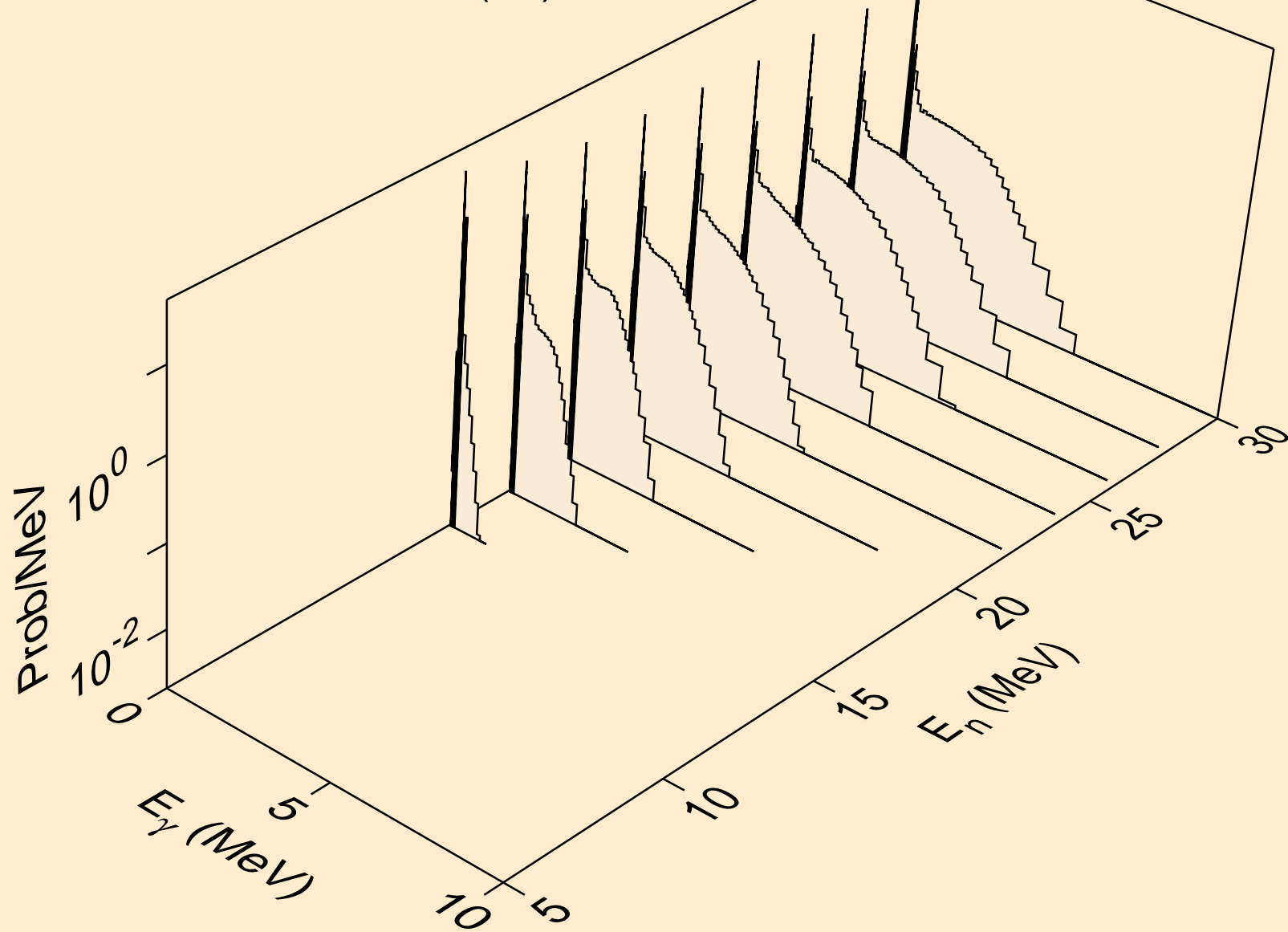
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Photon emission for inelastic



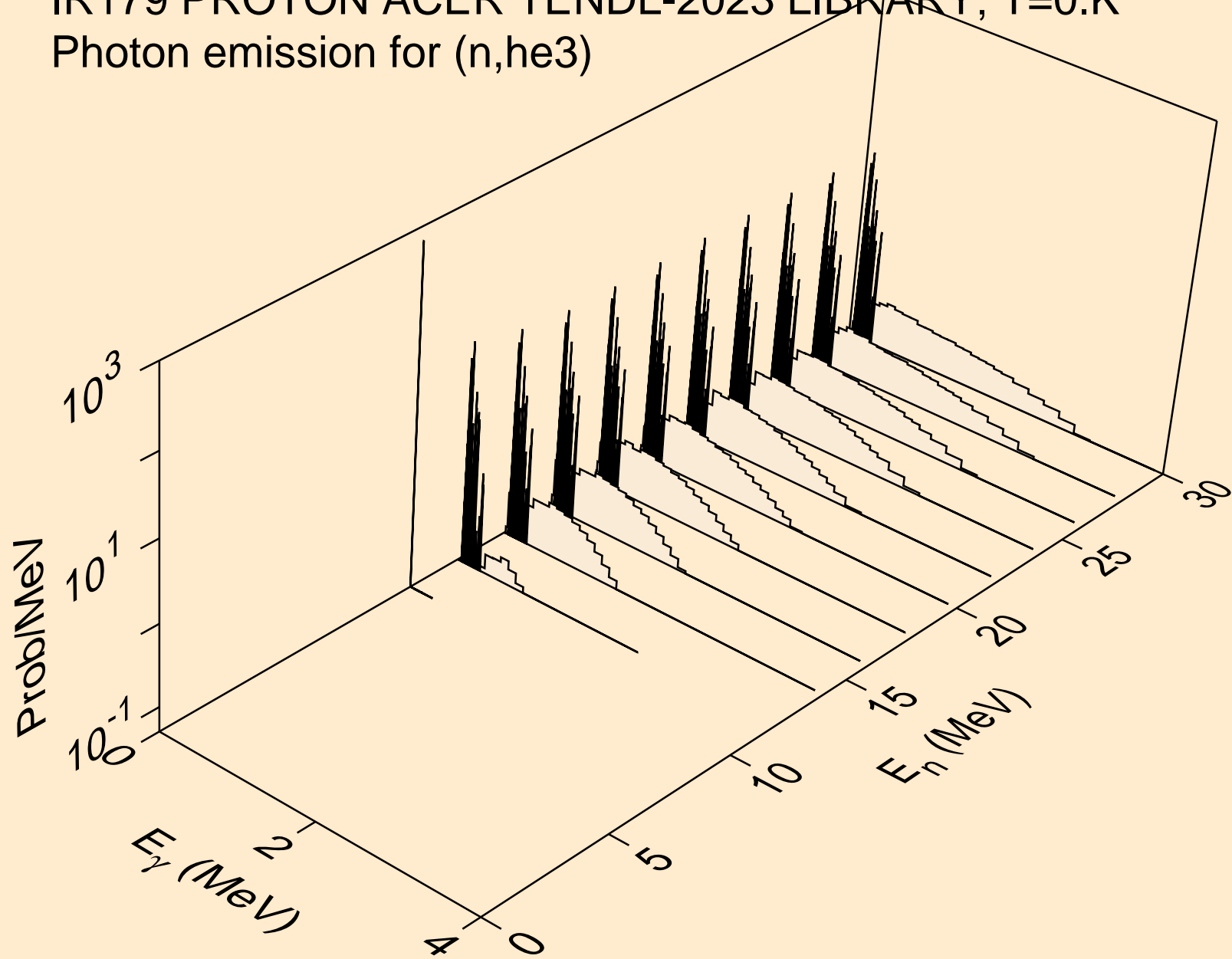
IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

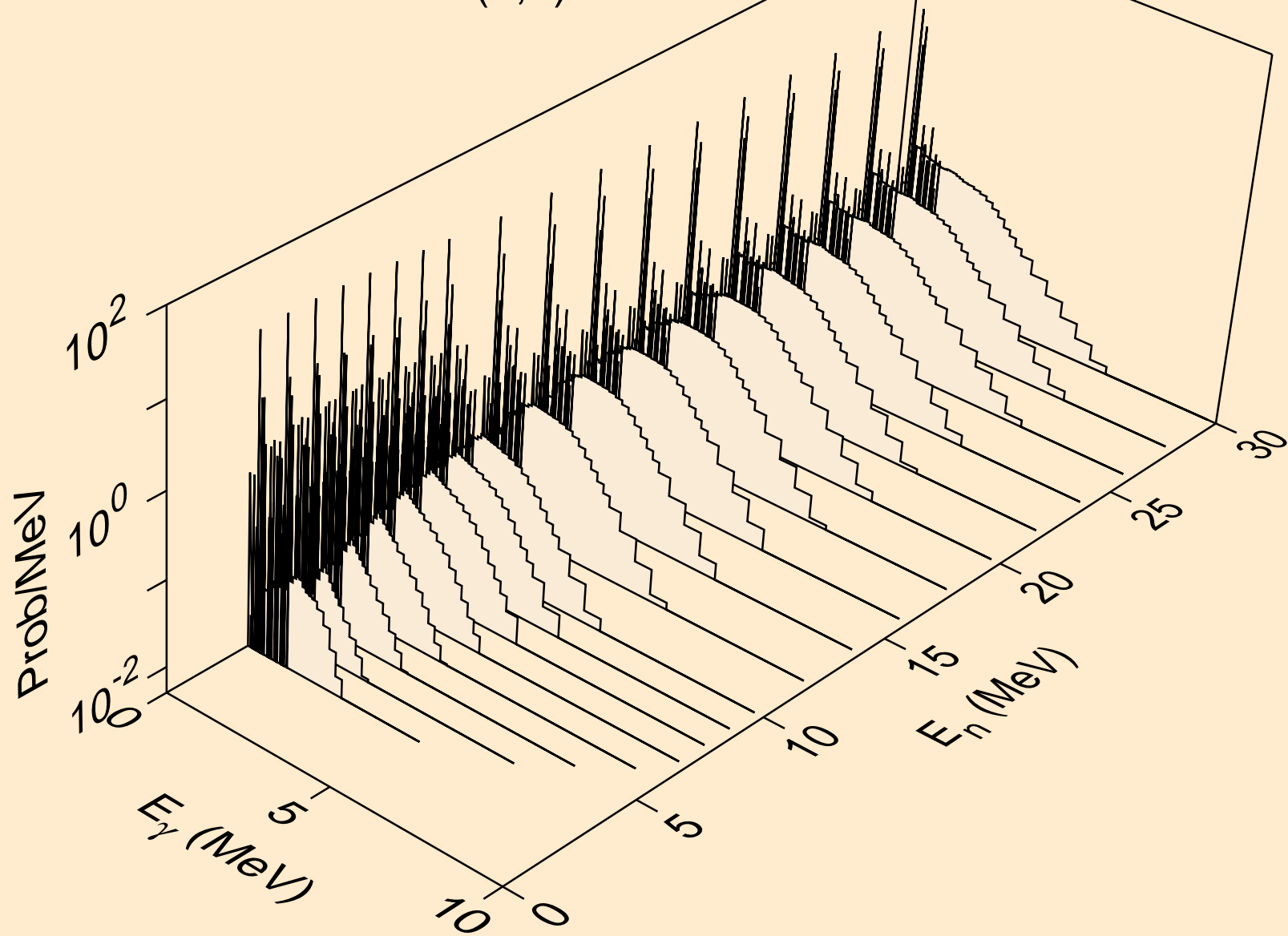


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Photon emission for (n,he3)

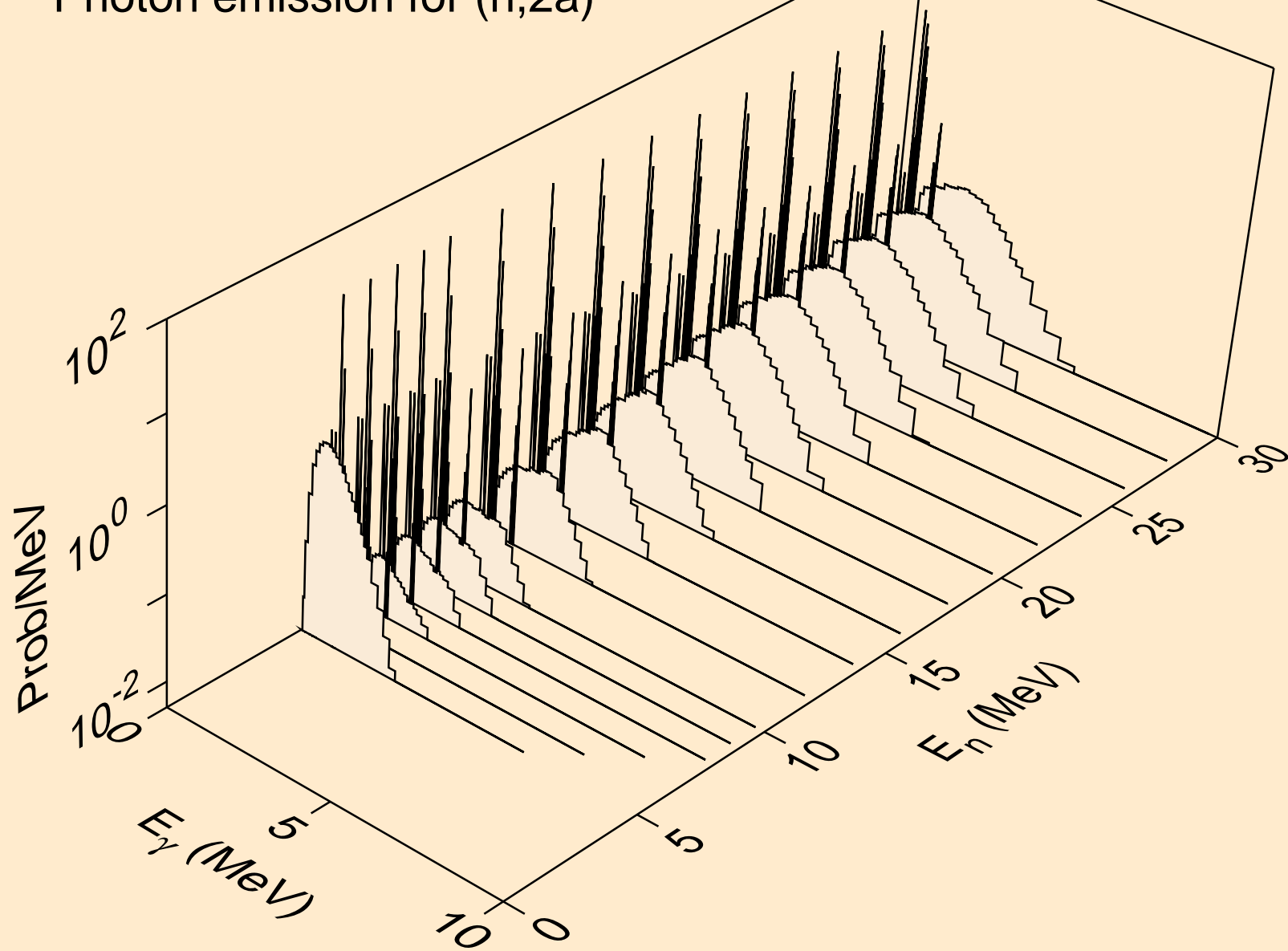




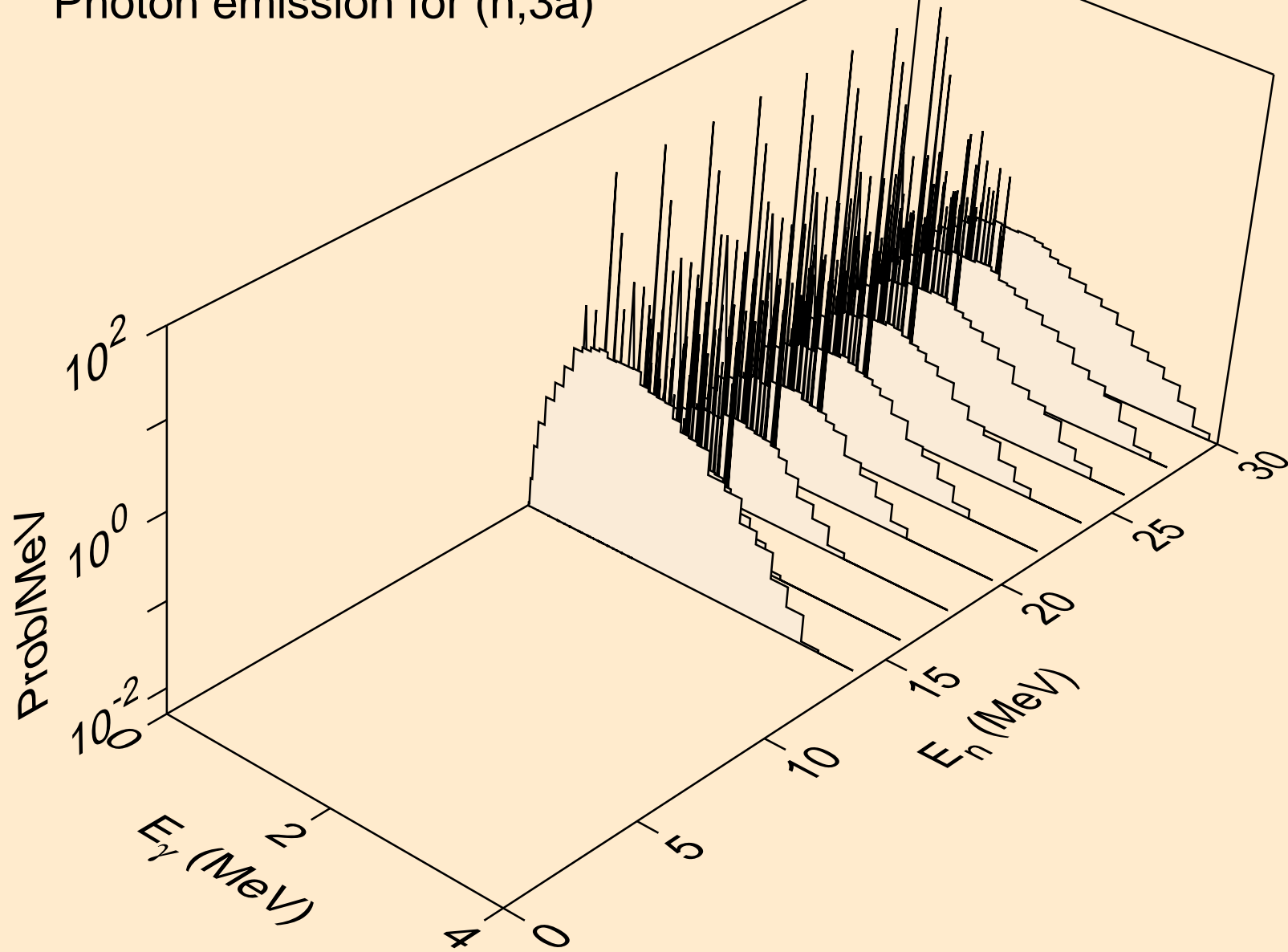
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Photon emission for (n,a)



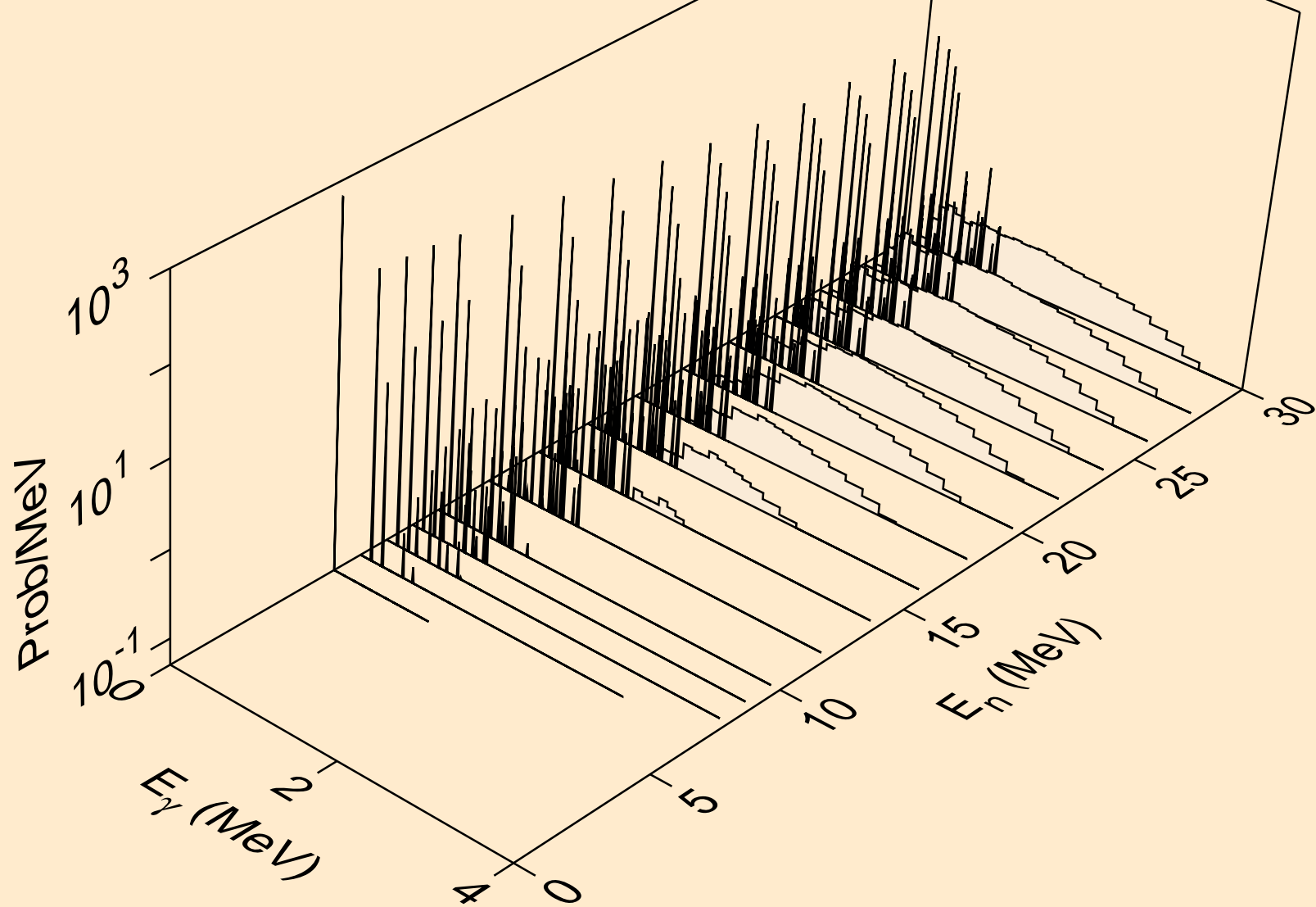
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Photon emission for (n,2a)



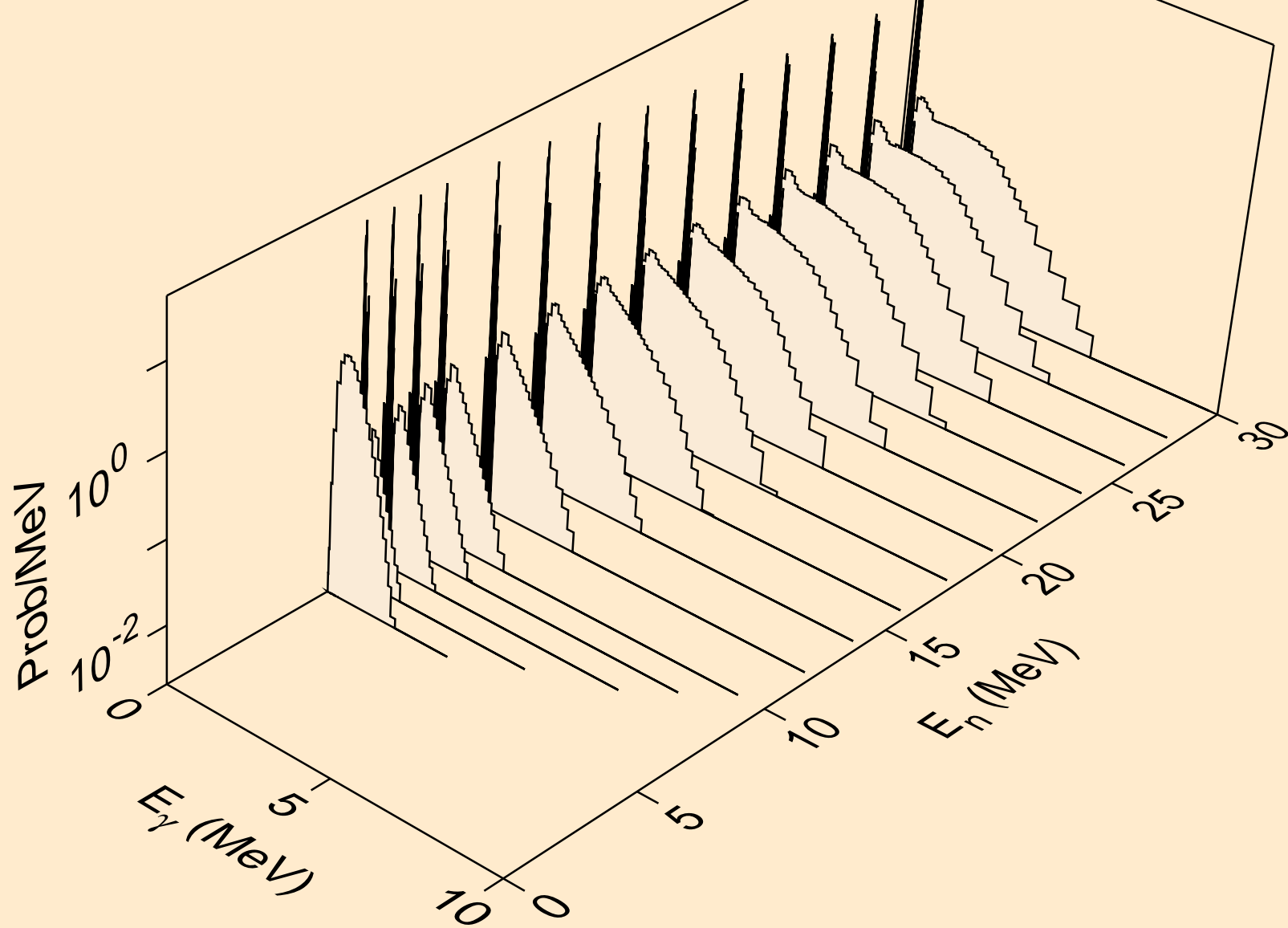
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Photon emission for (n,3a)



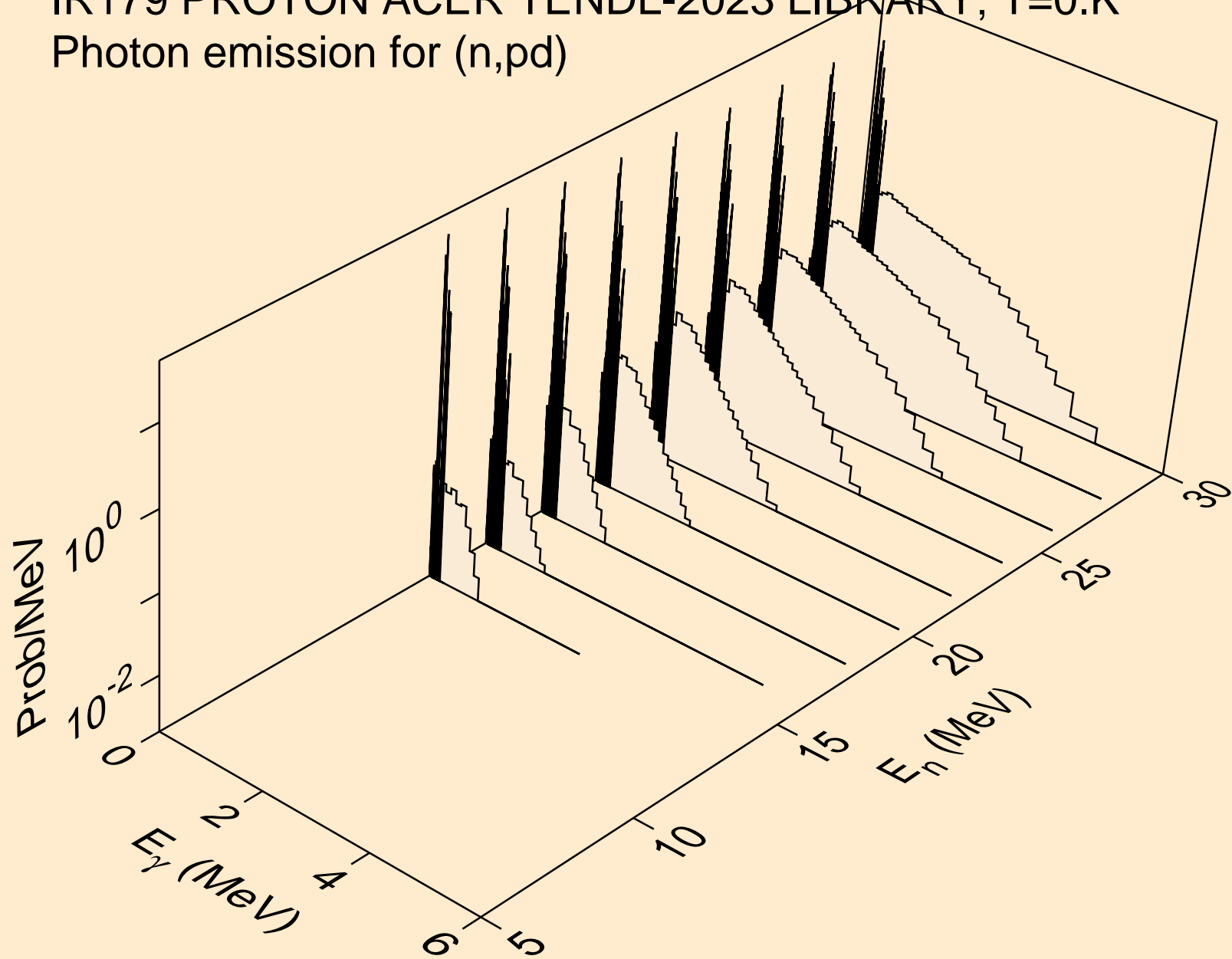
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Photon emission for (n,2p)



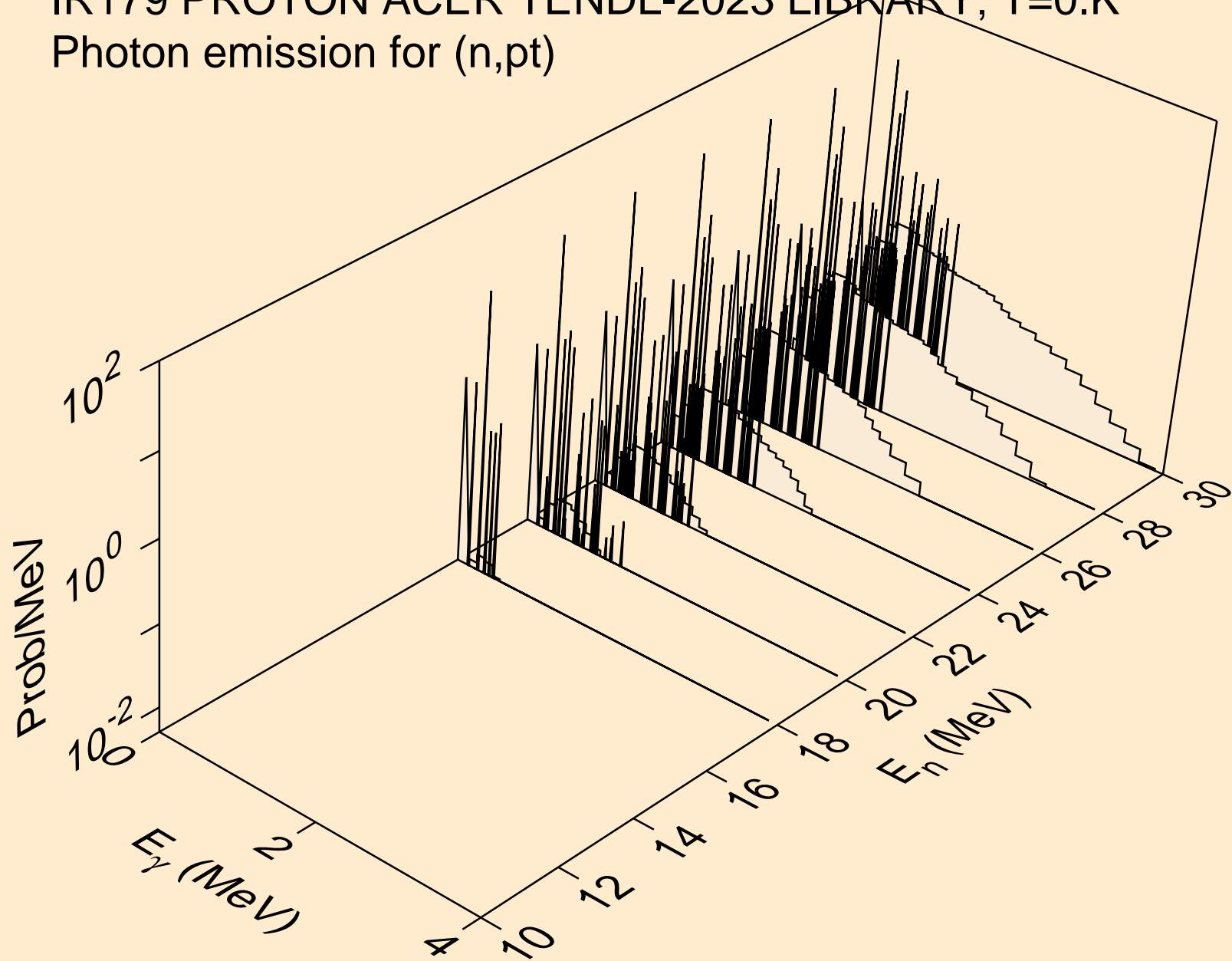
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Photon emission for (n,pa)



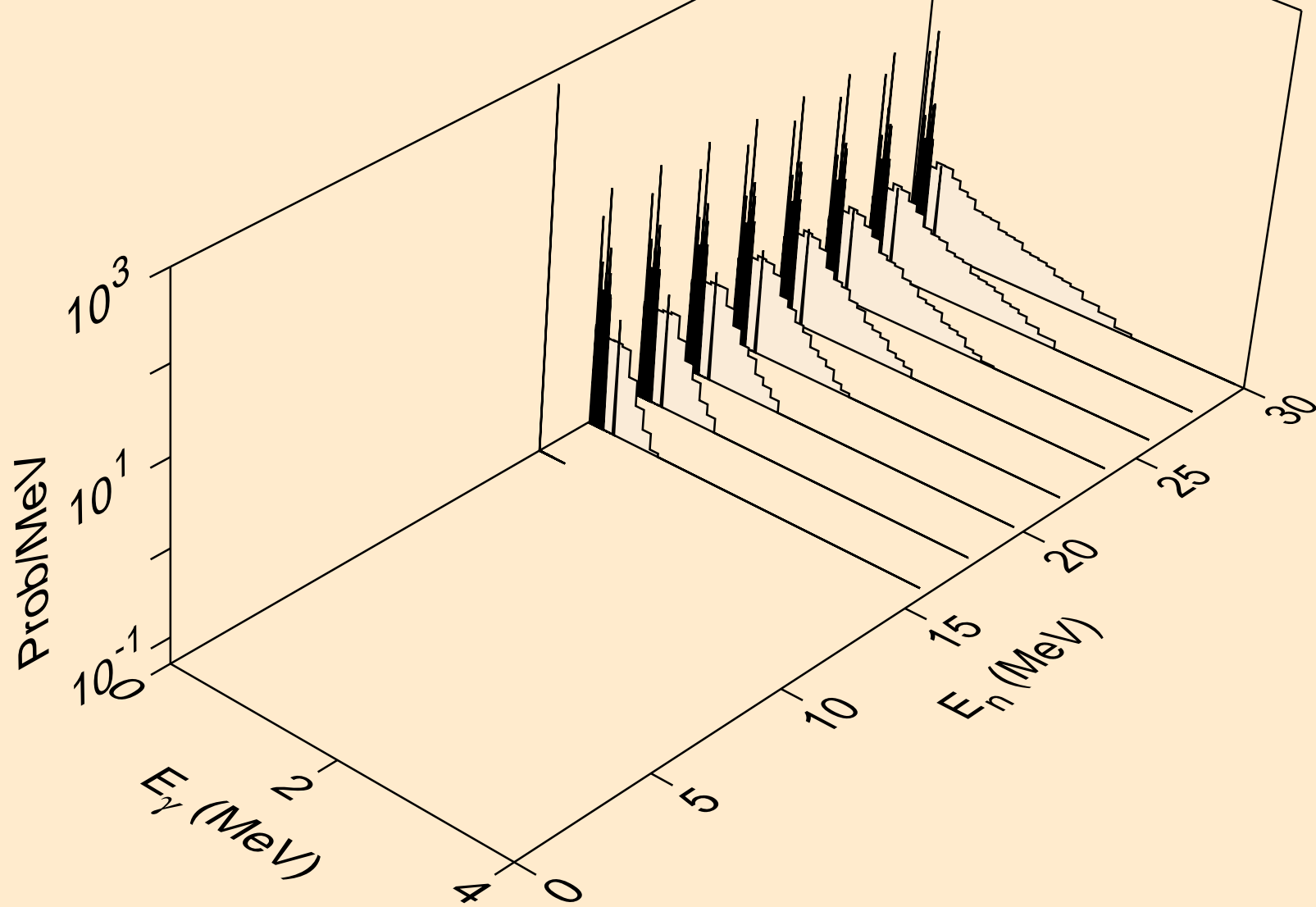
IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

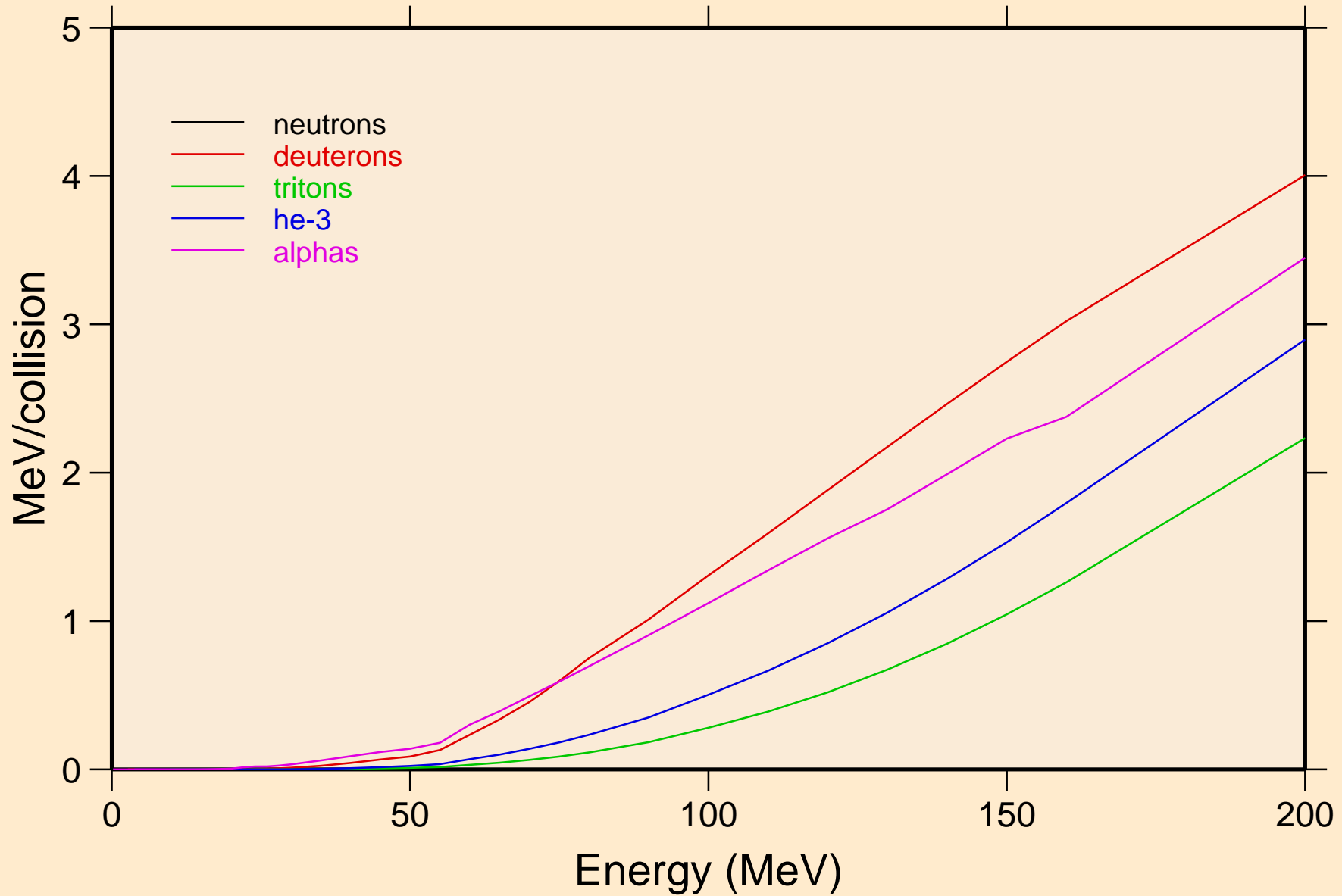


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Photon emission for (n,da)



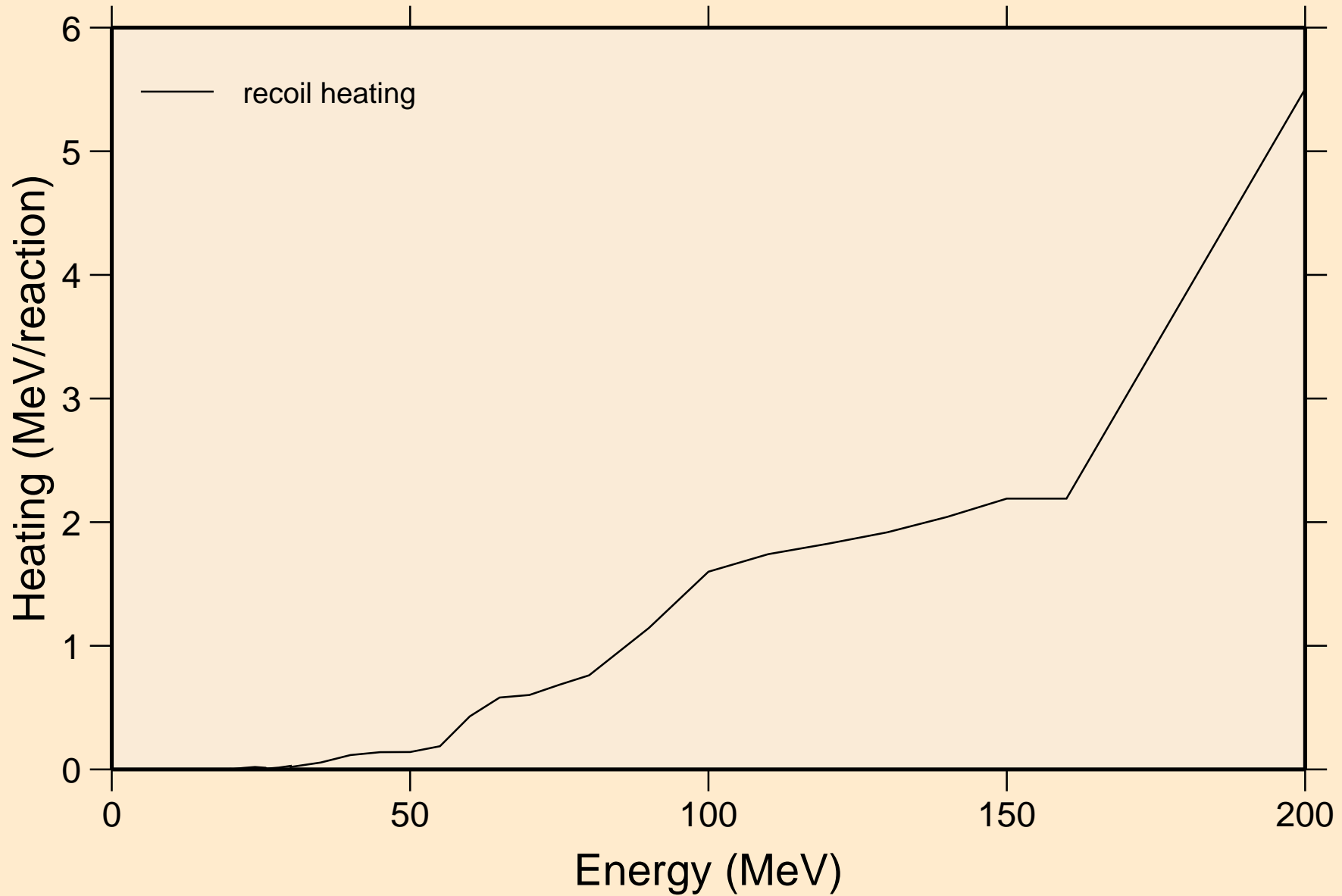


IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions

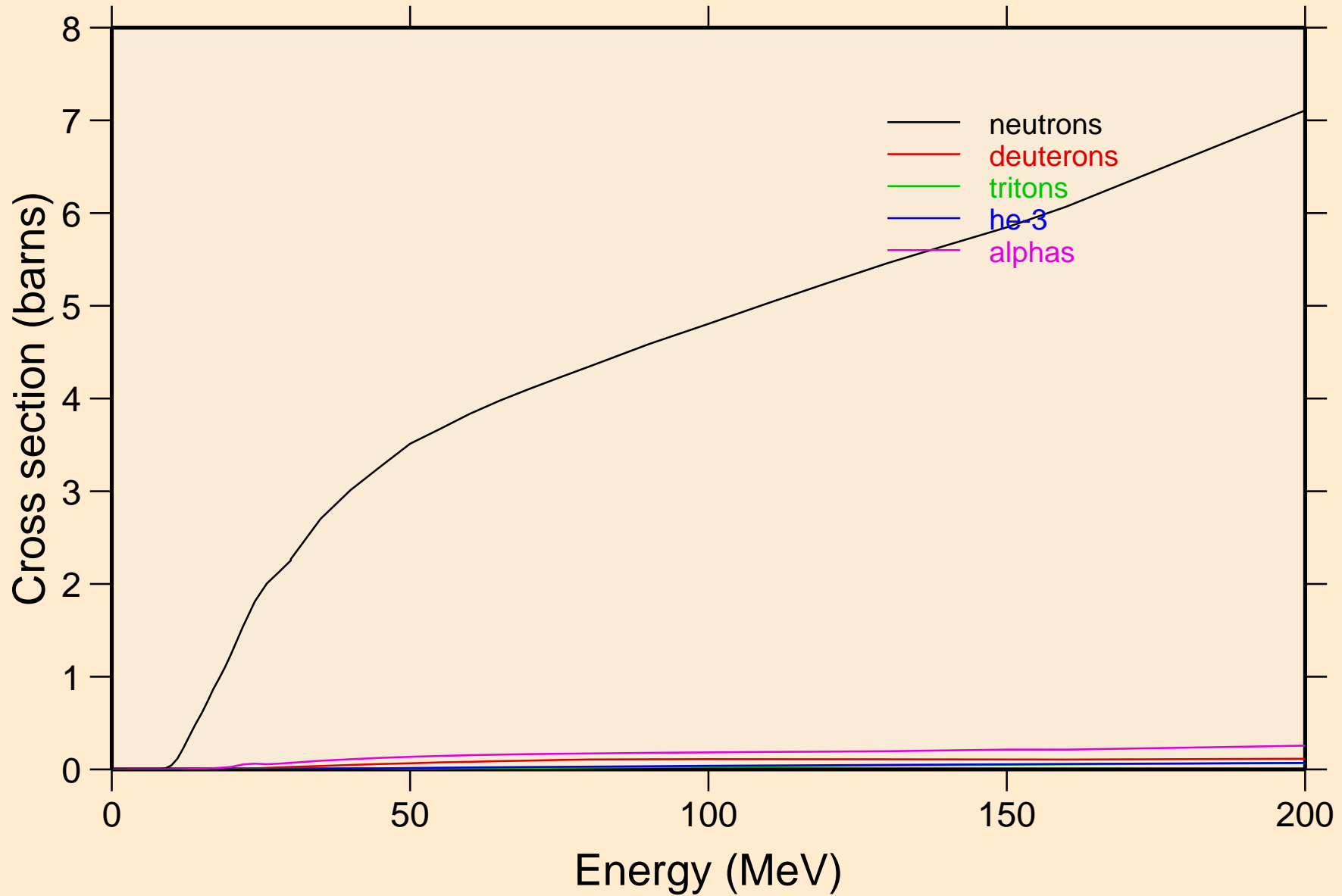


# IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K

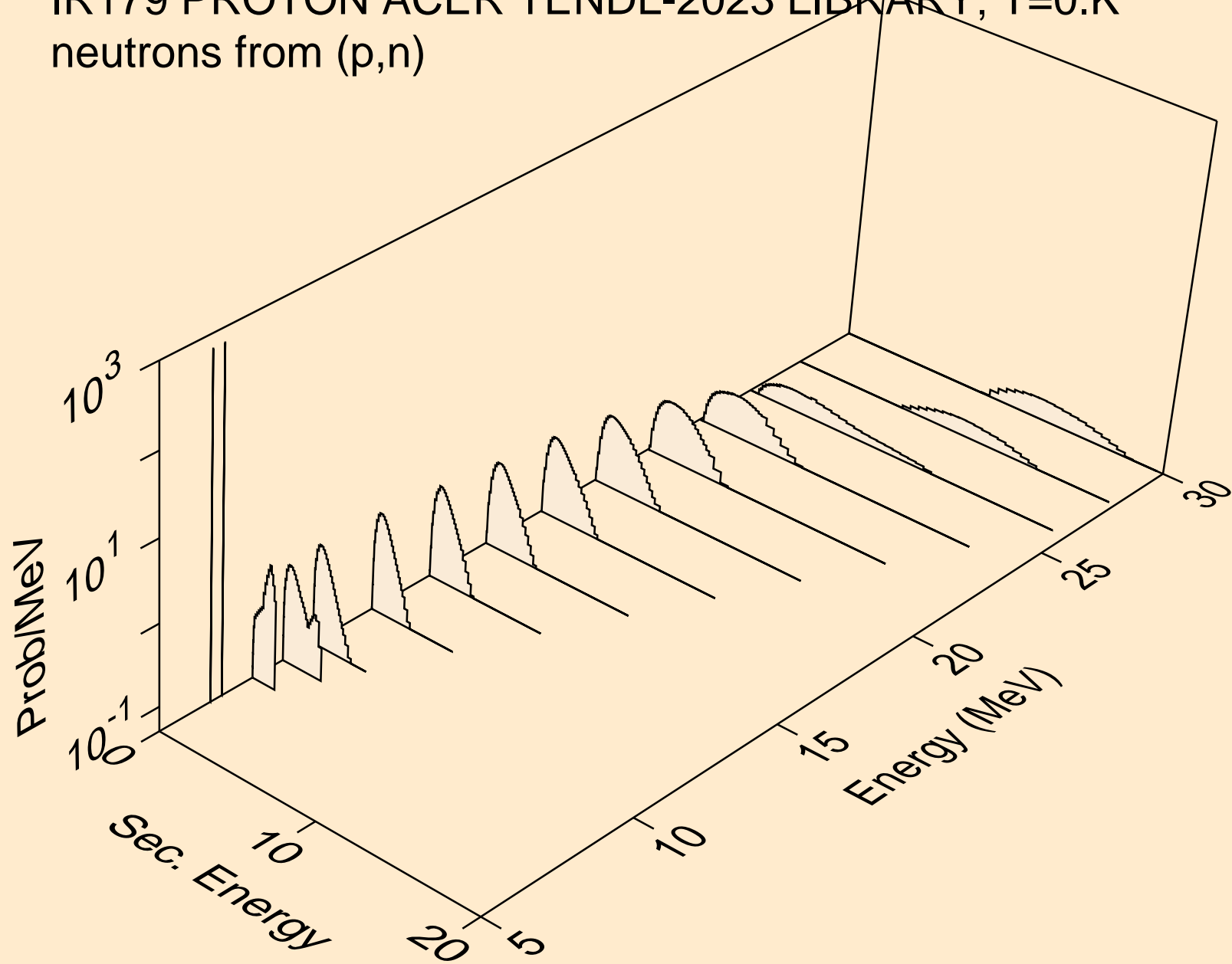
## Recoil Heating



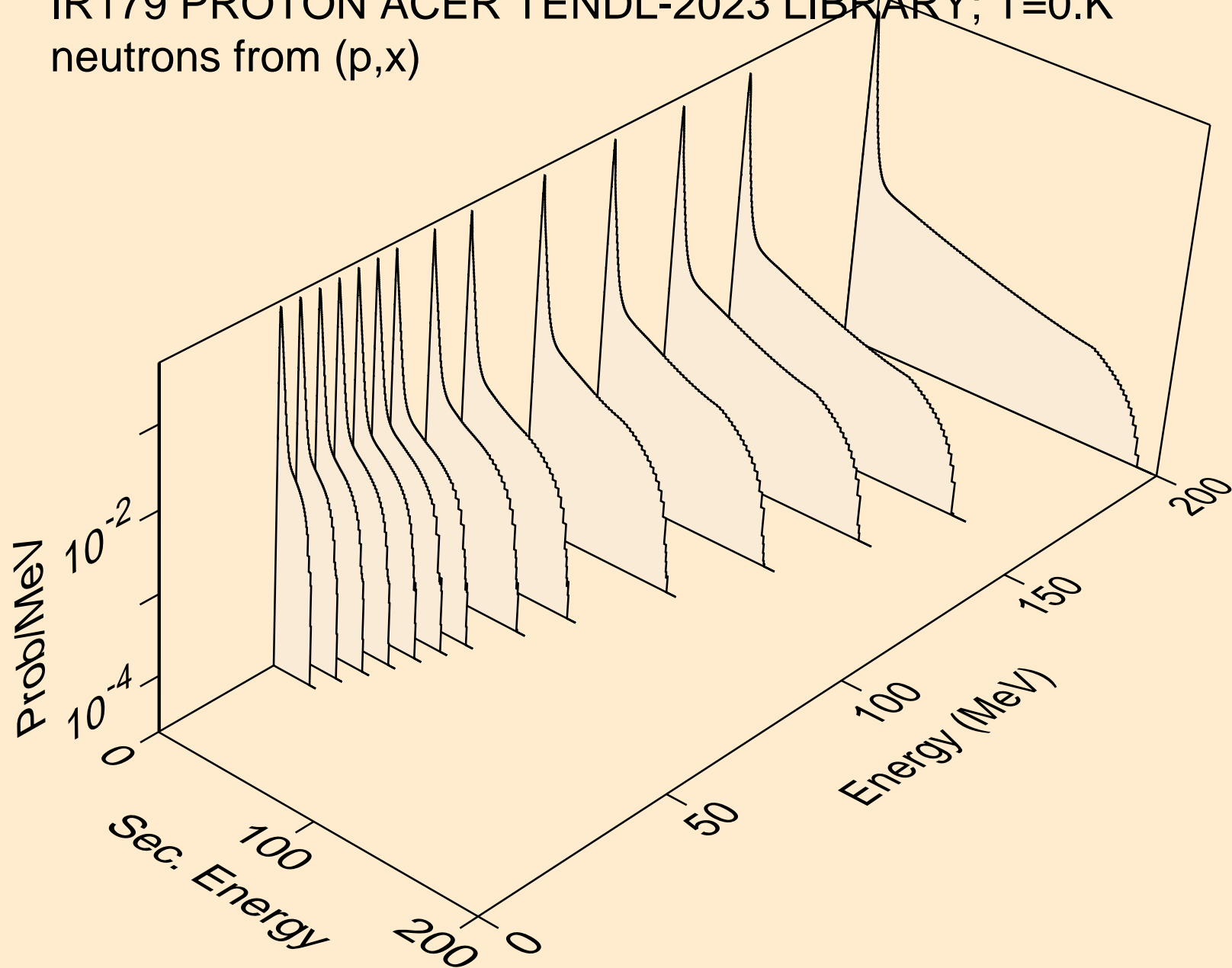
IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



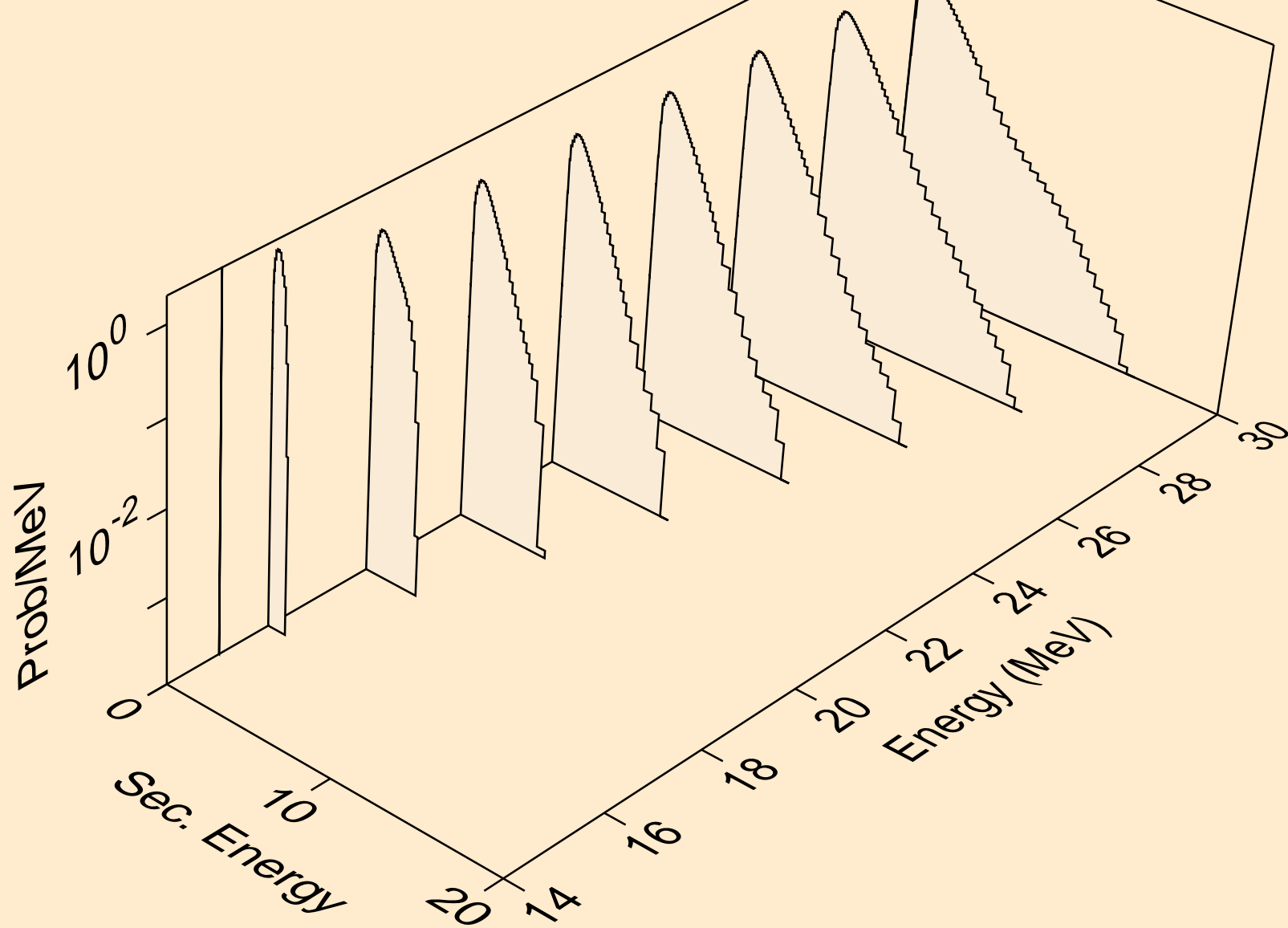
IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



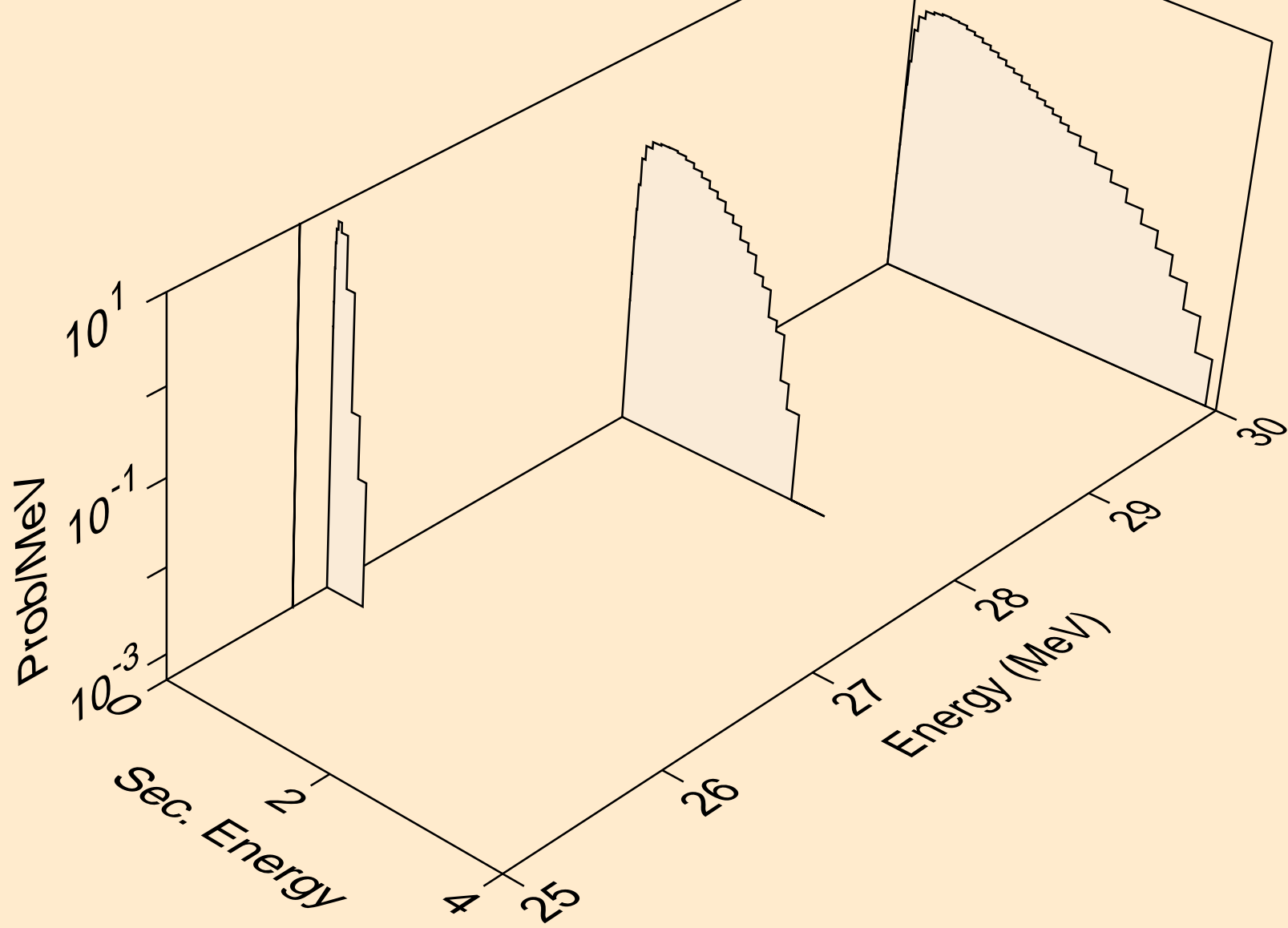
IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)



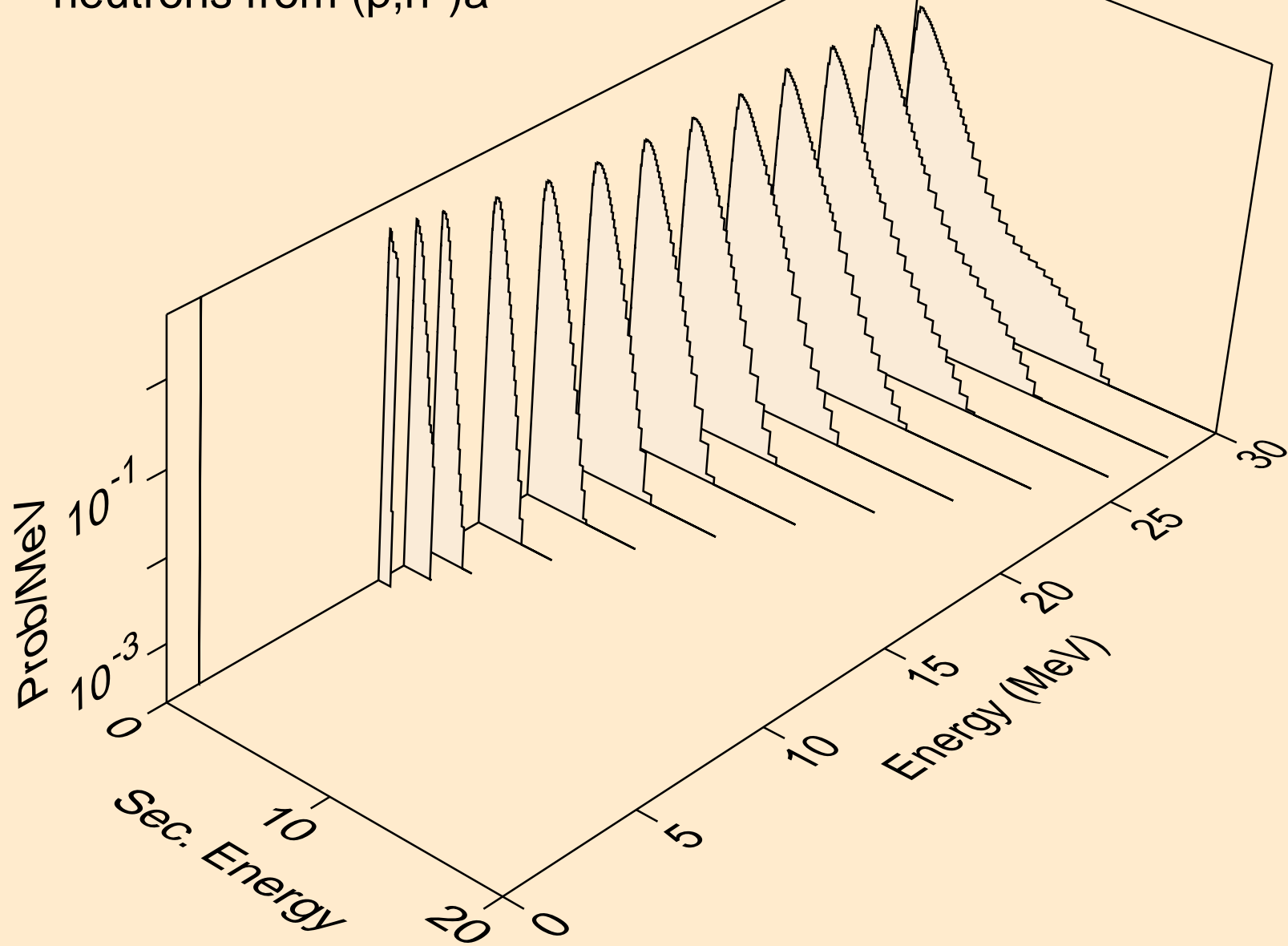
IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)



IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3n)

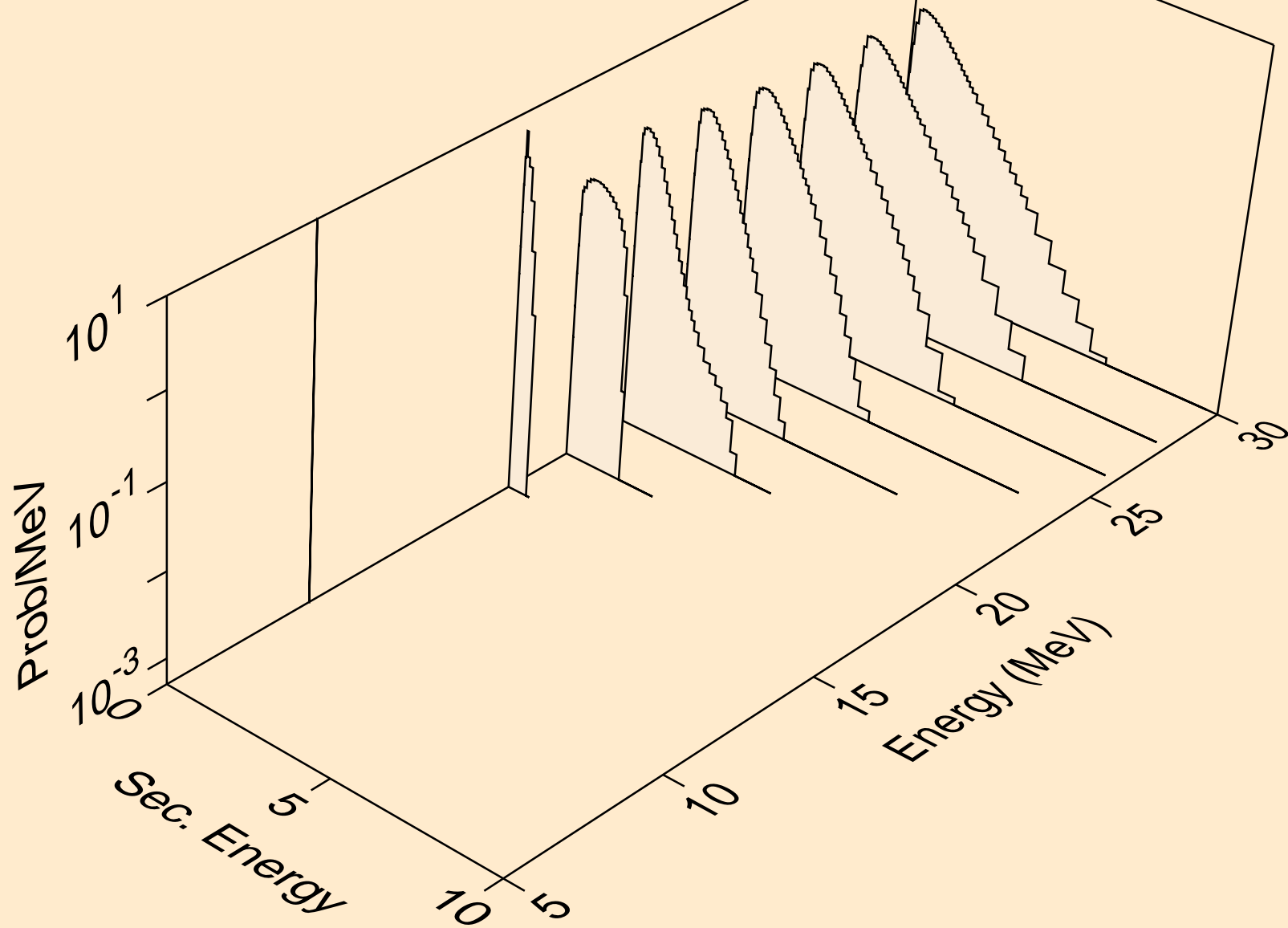


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neutrons from (p,n\*)a

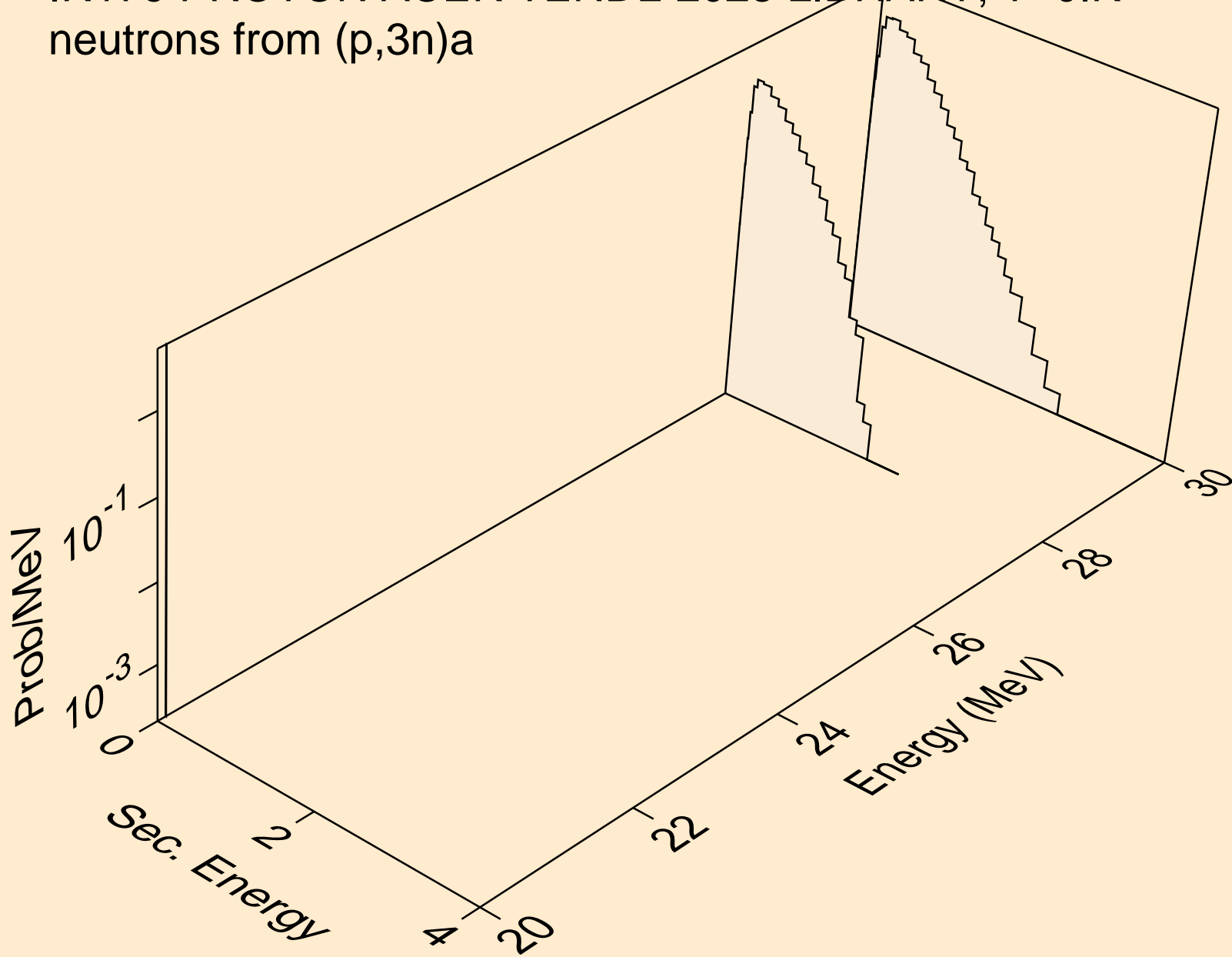




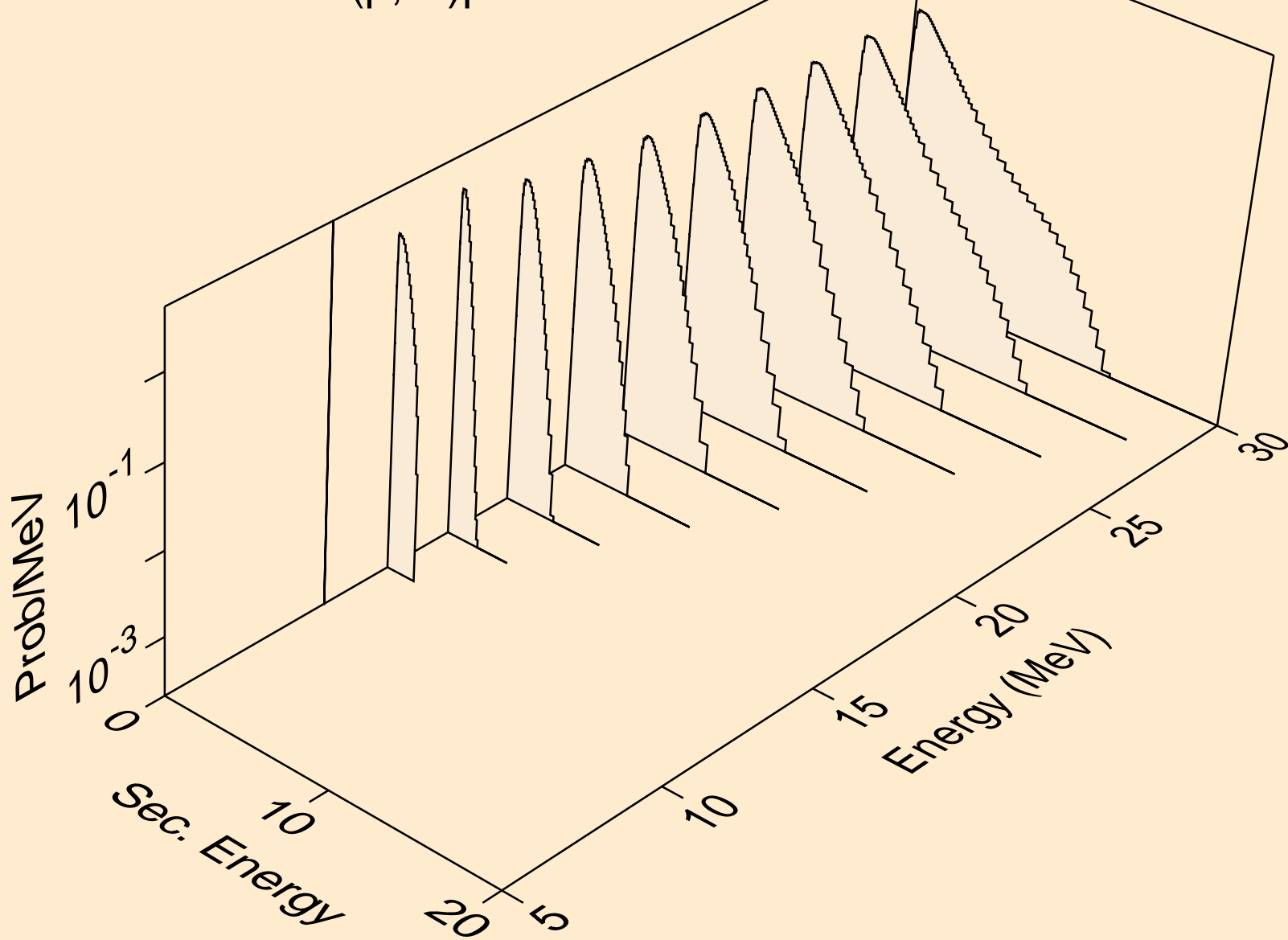
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neutrons from (p,2n)a



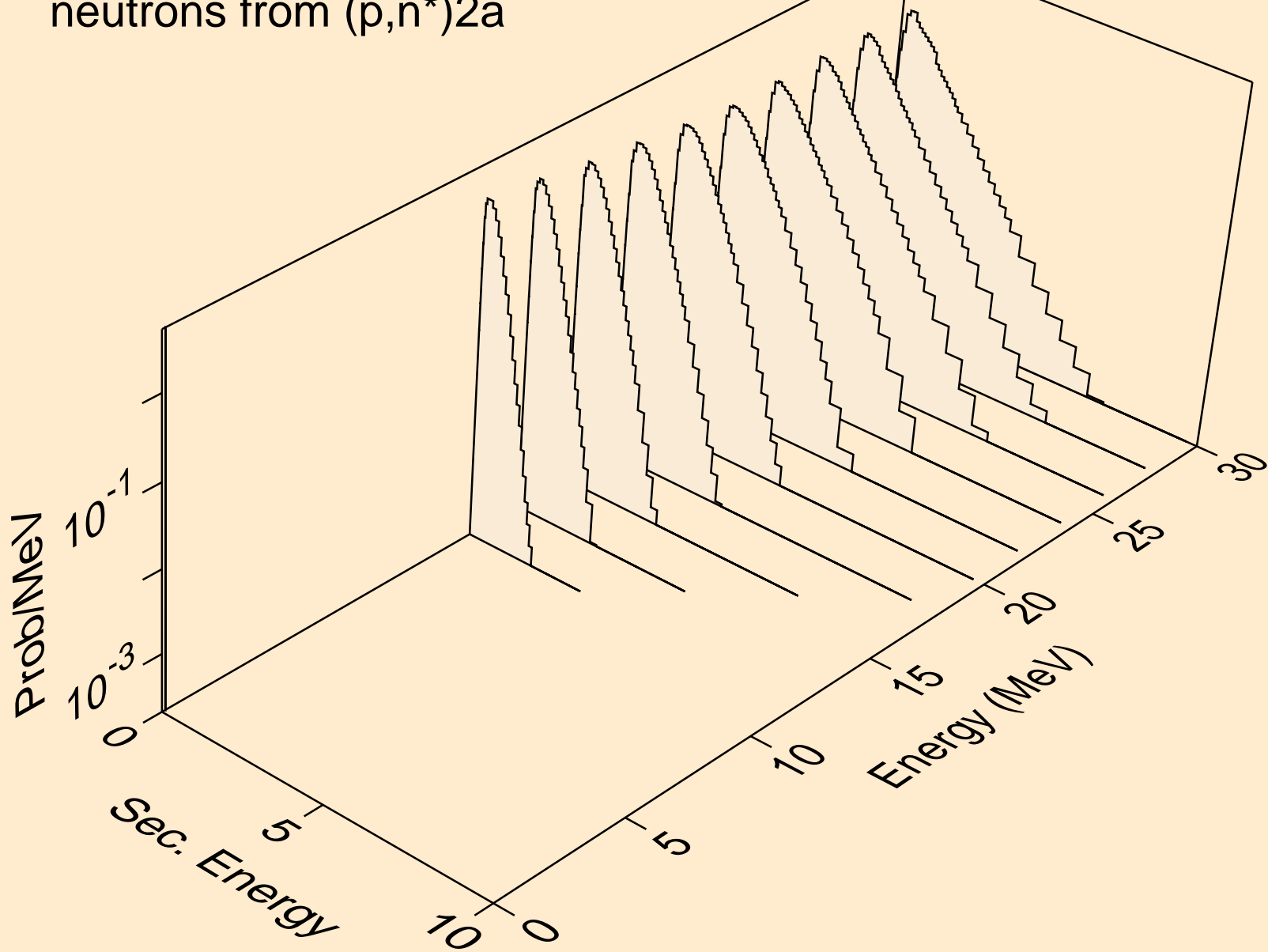
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neutrons from (p,3n)a



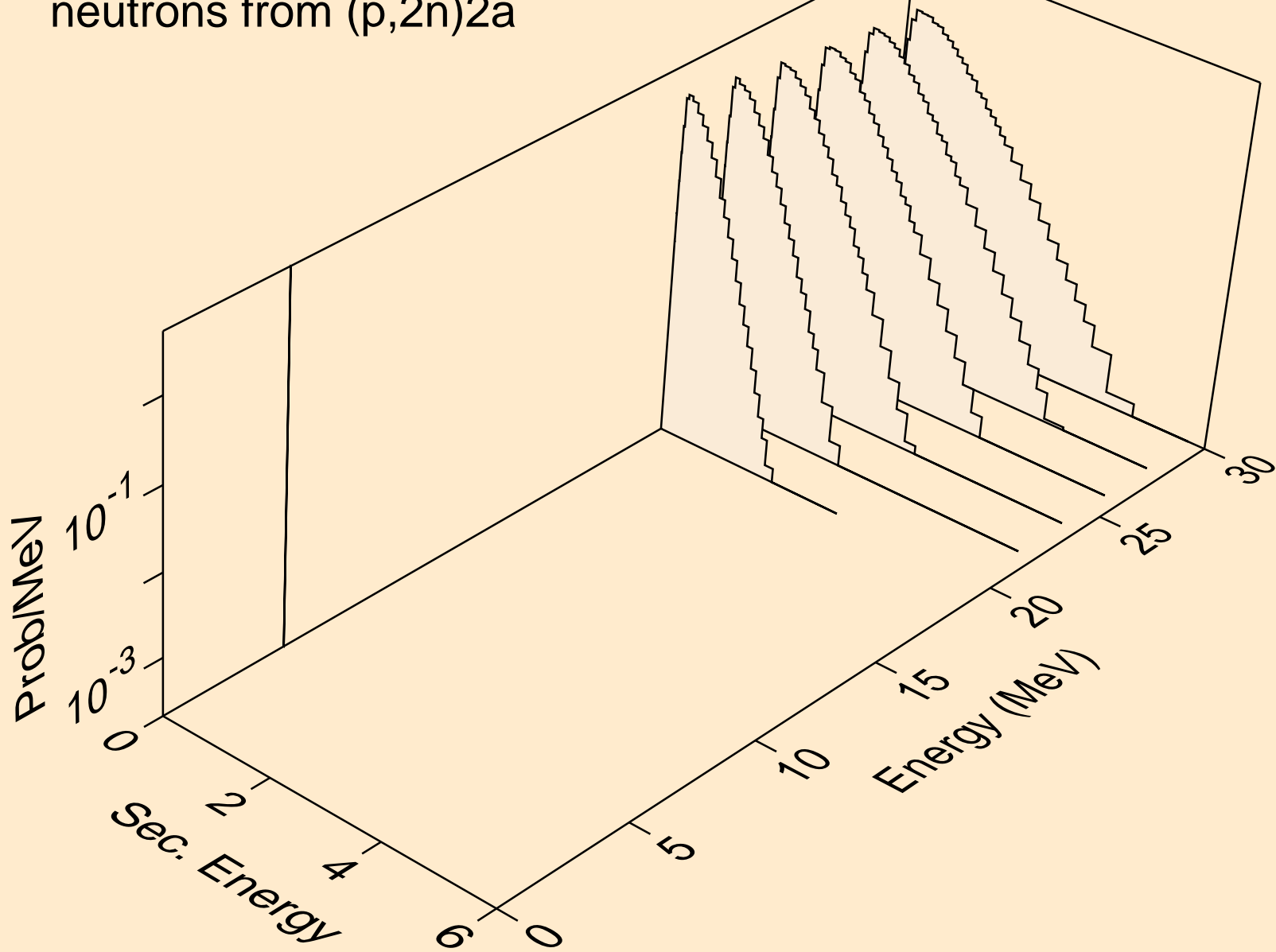
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neutrons from (p,n\*)p



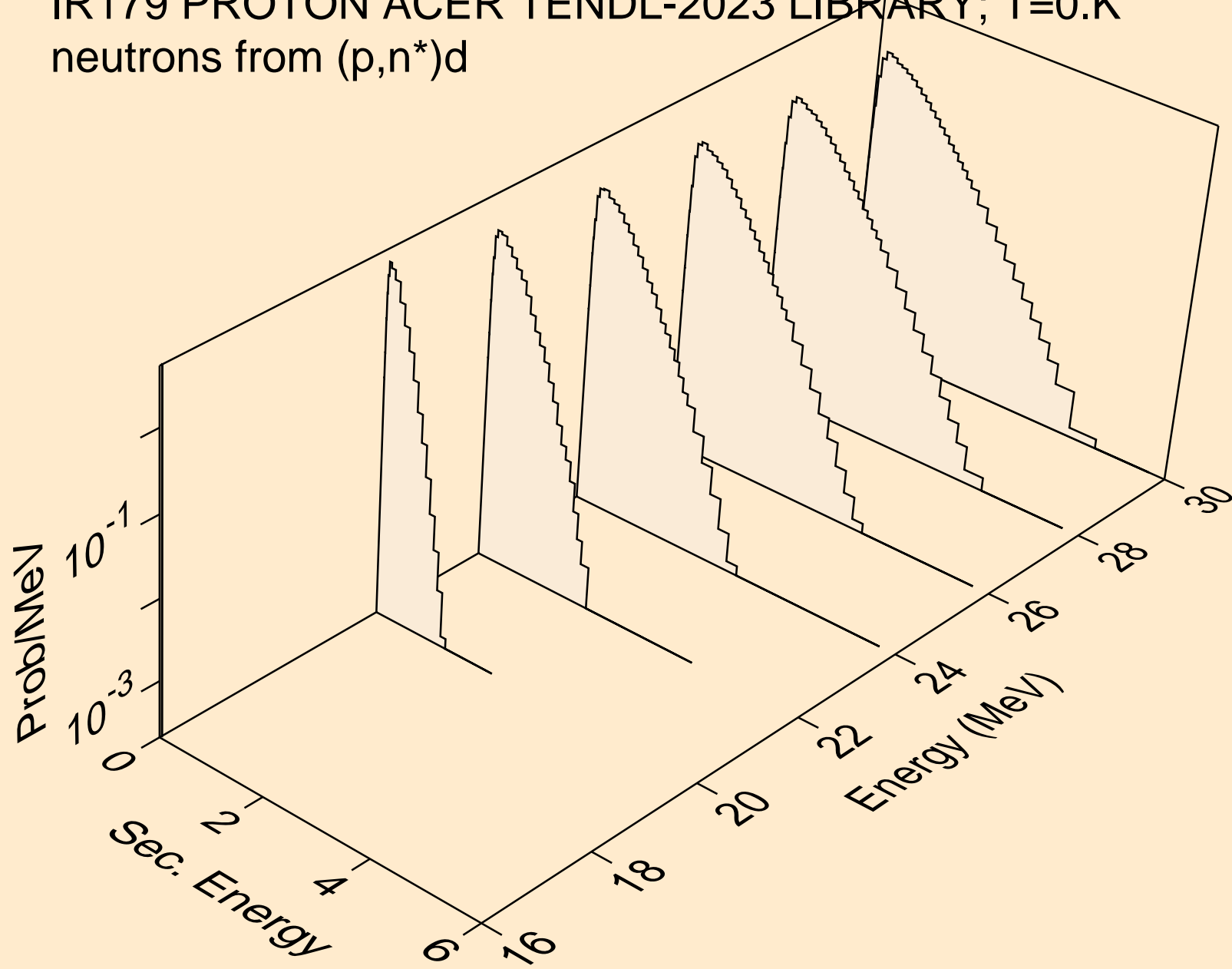
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neutrons from (p,n\*)2a



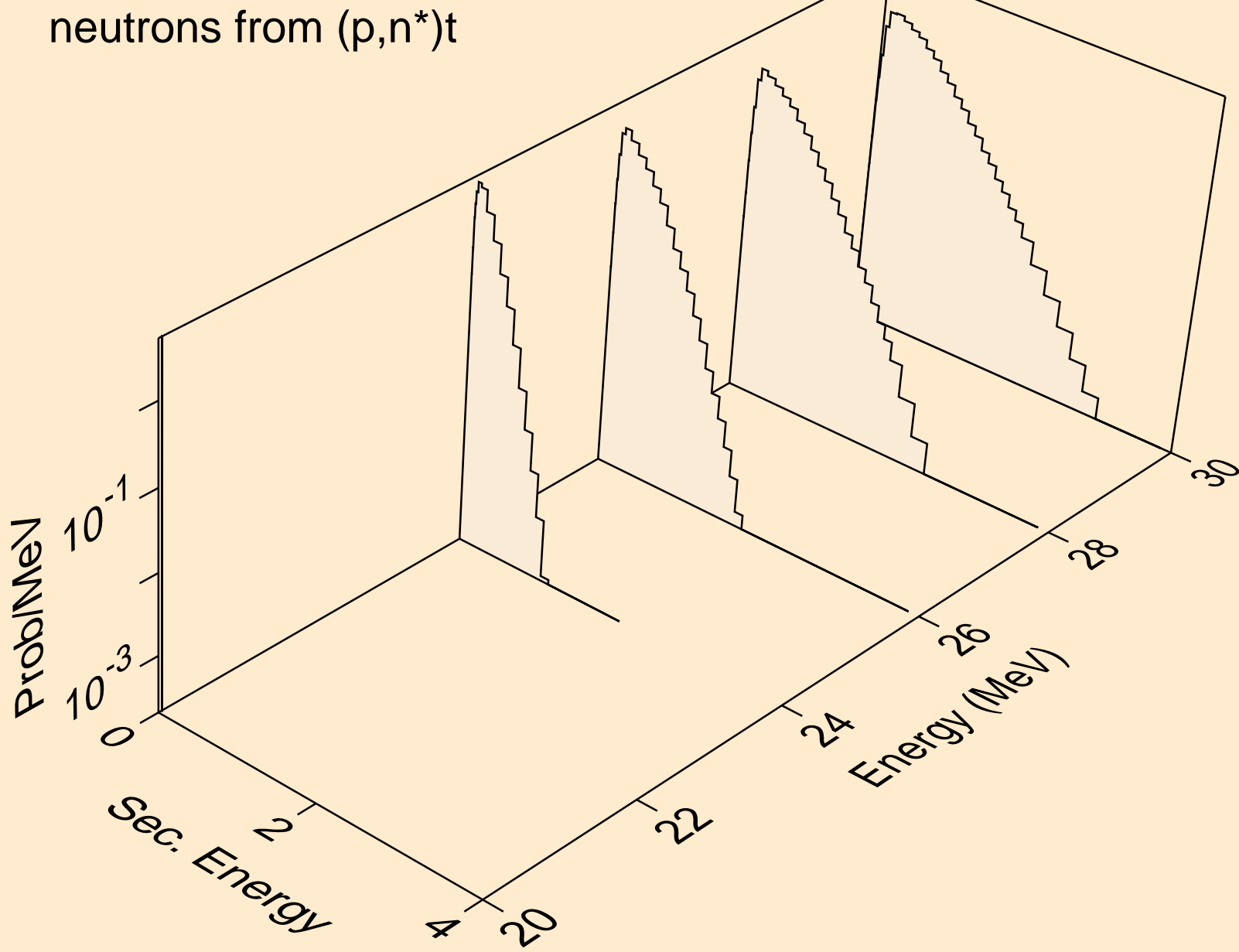
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neutrons from (p,2n)2a



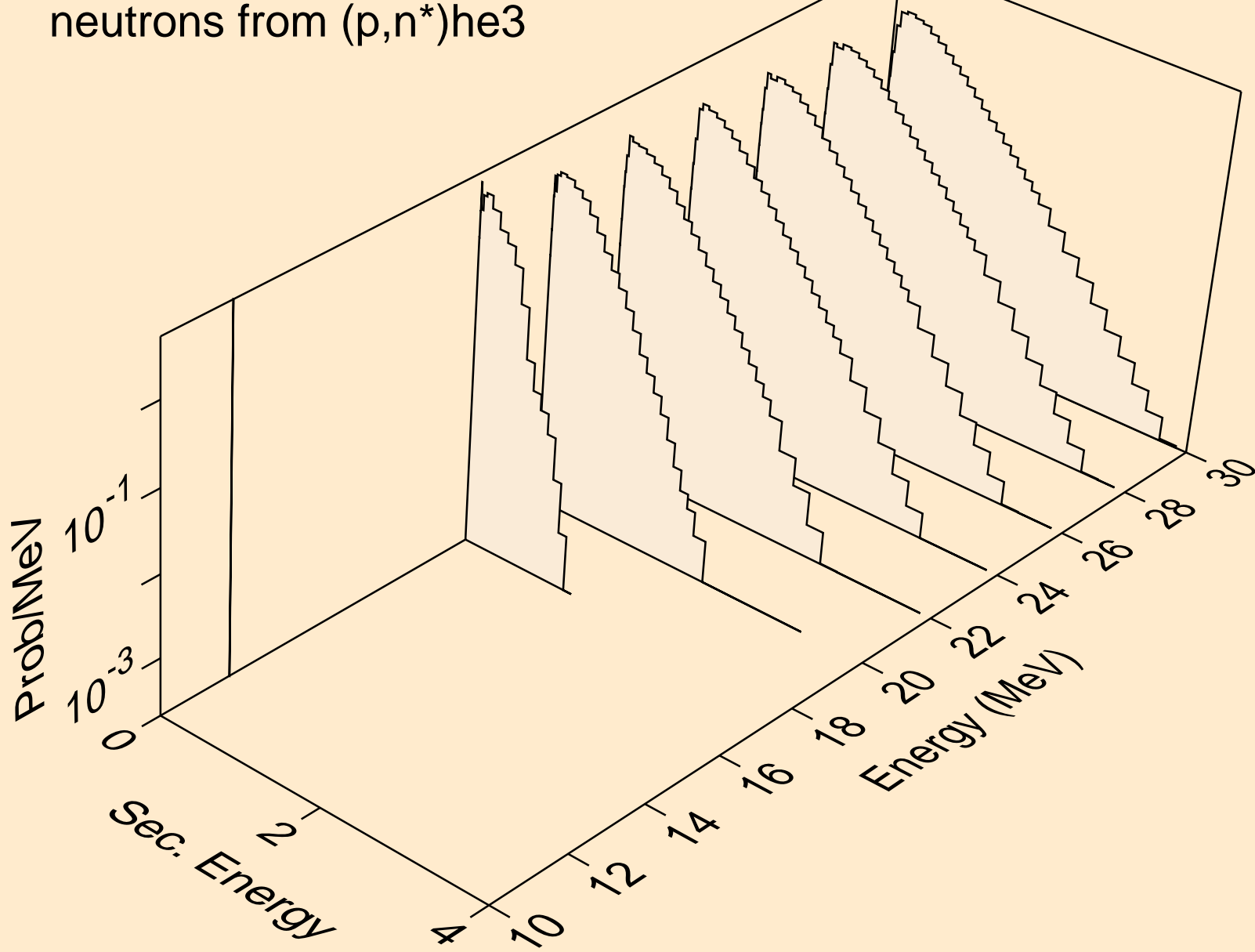
IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)d



IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)t

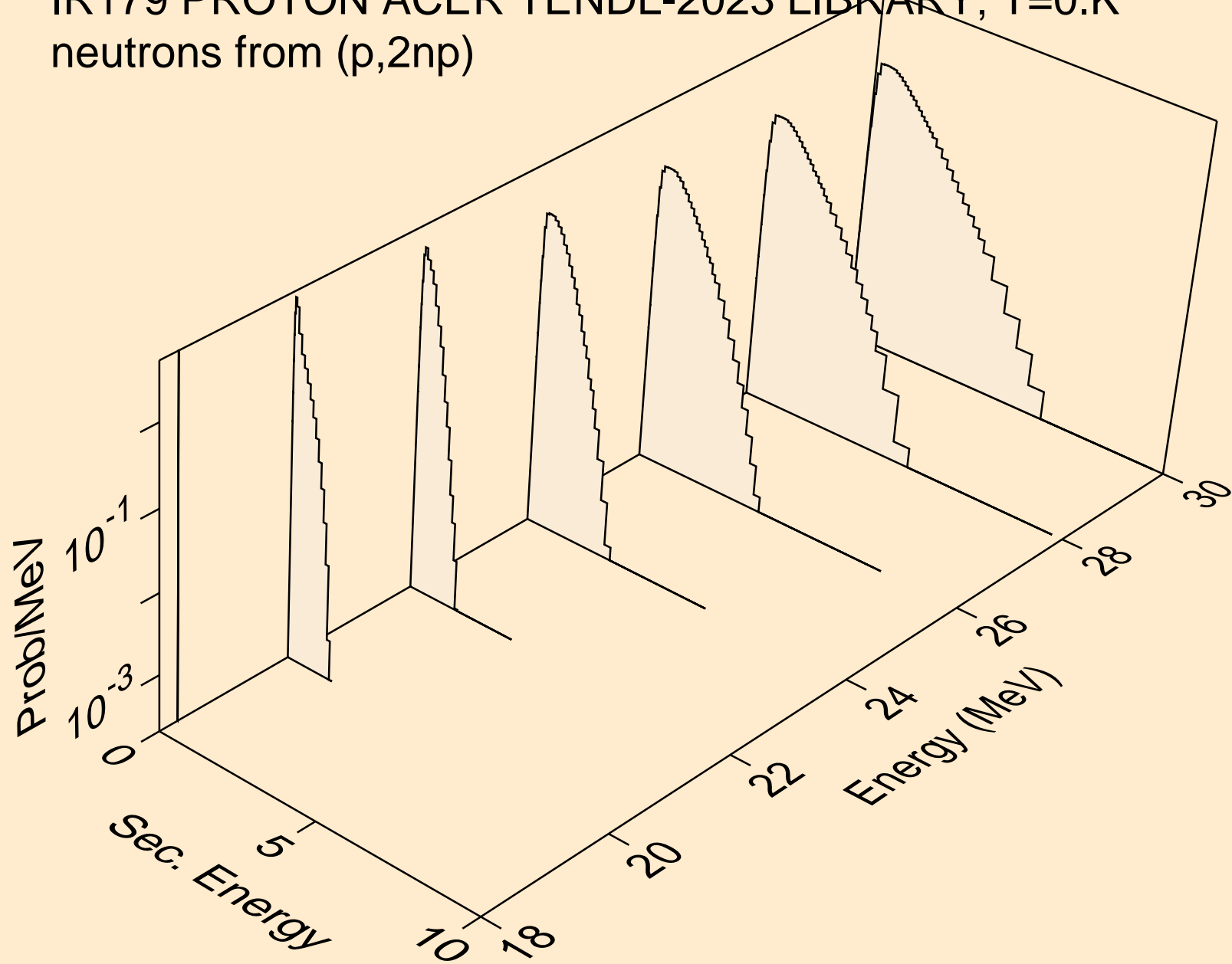


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neutrons from (p,n\*)he3

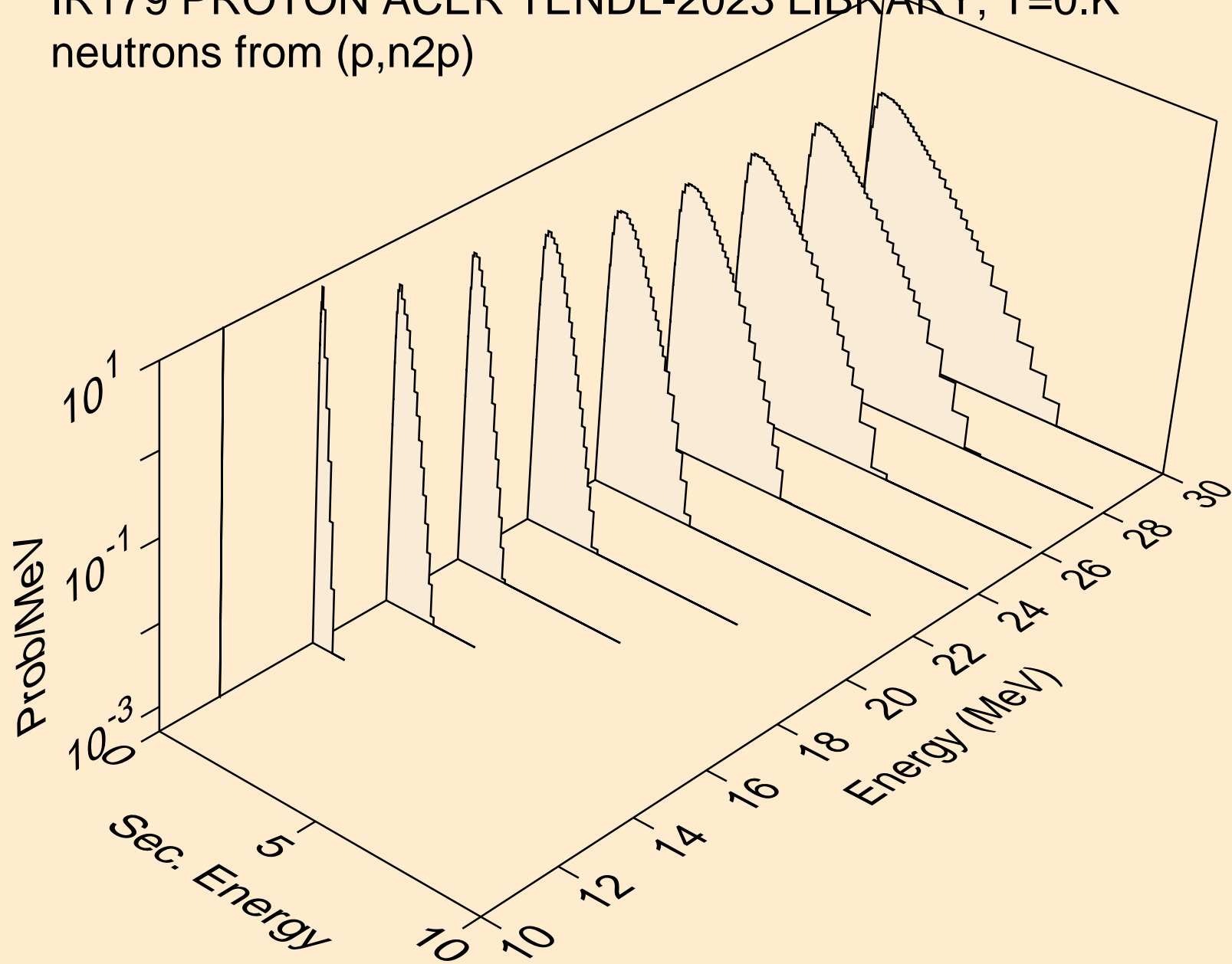




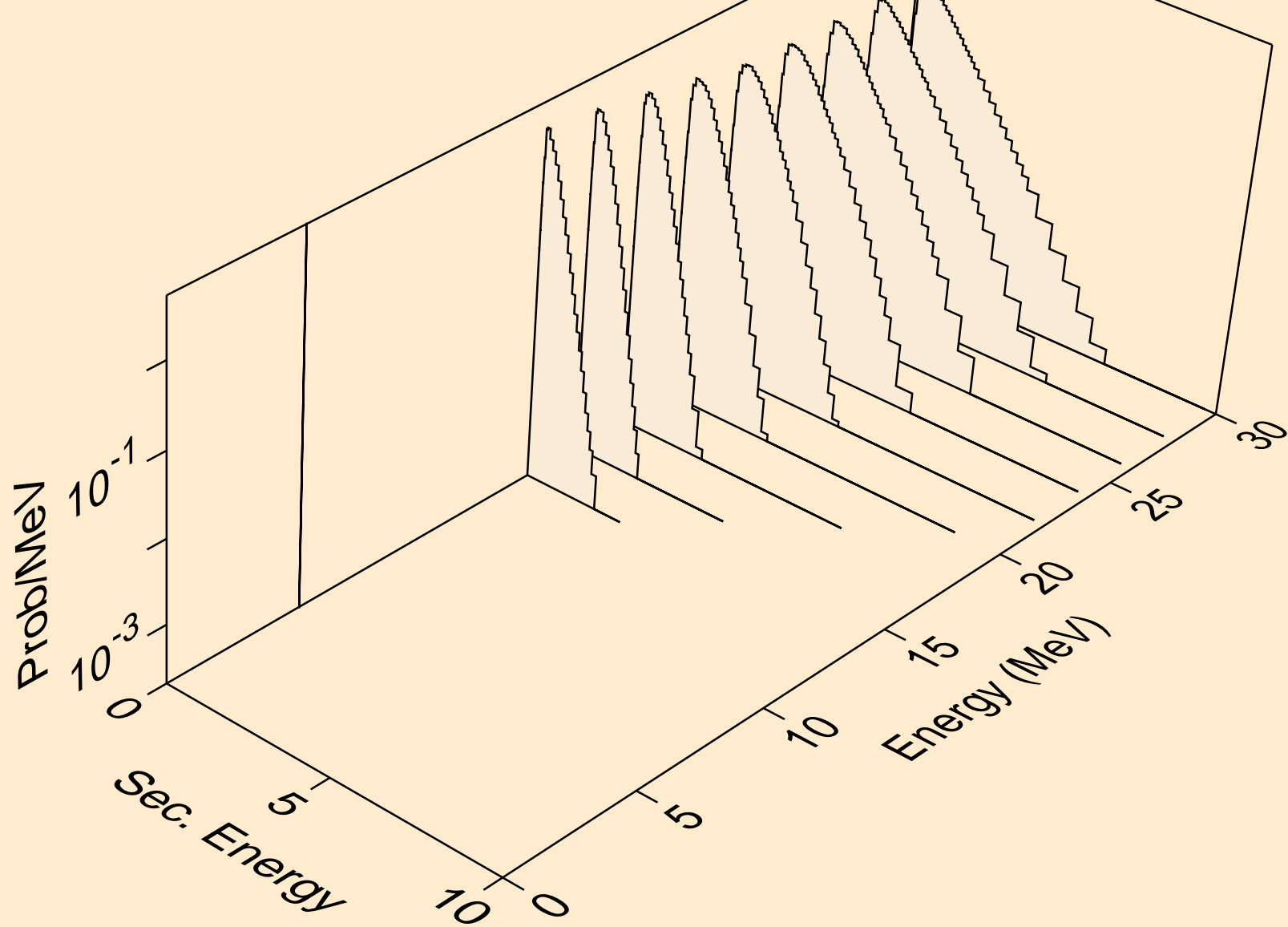
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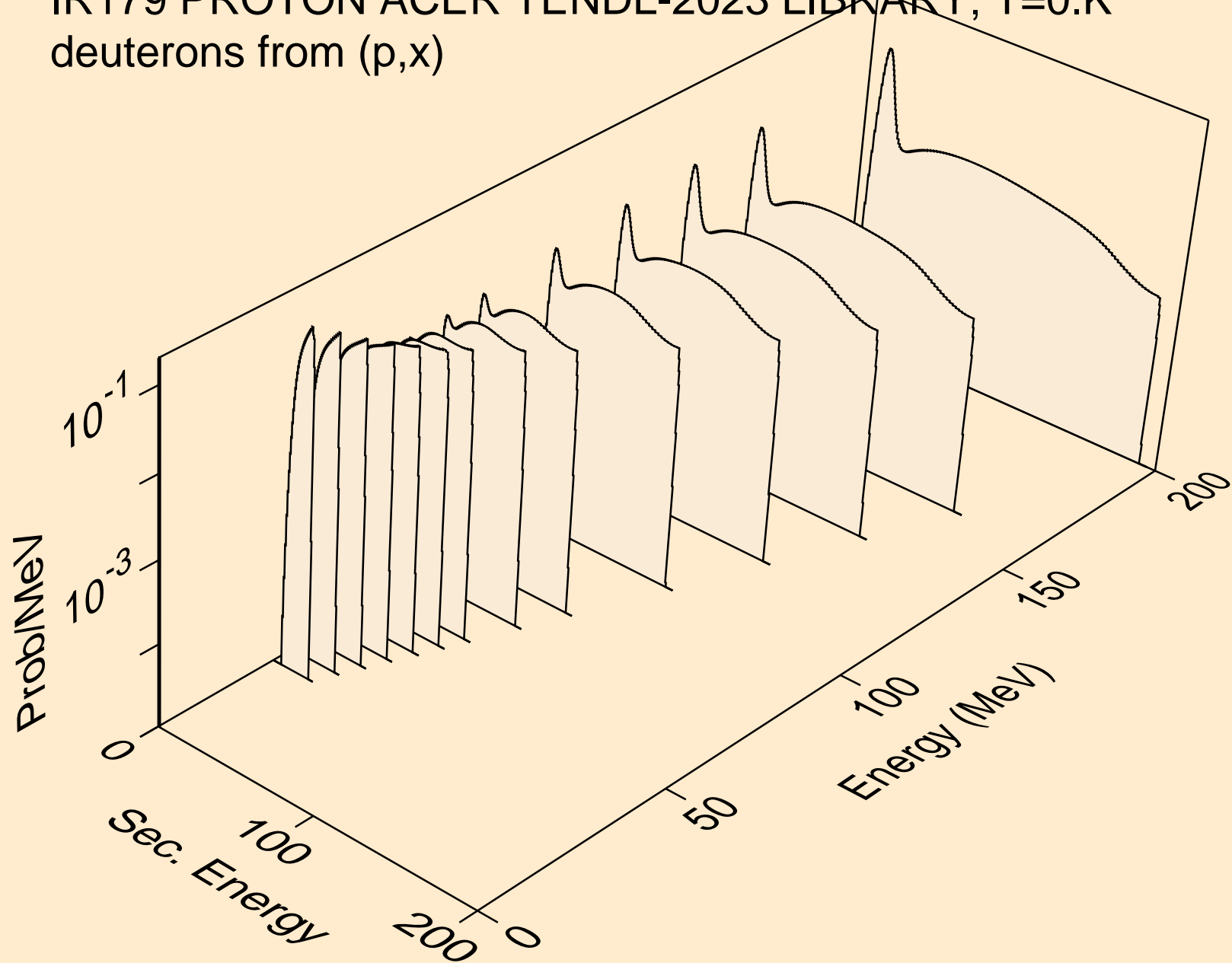
IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n2p)



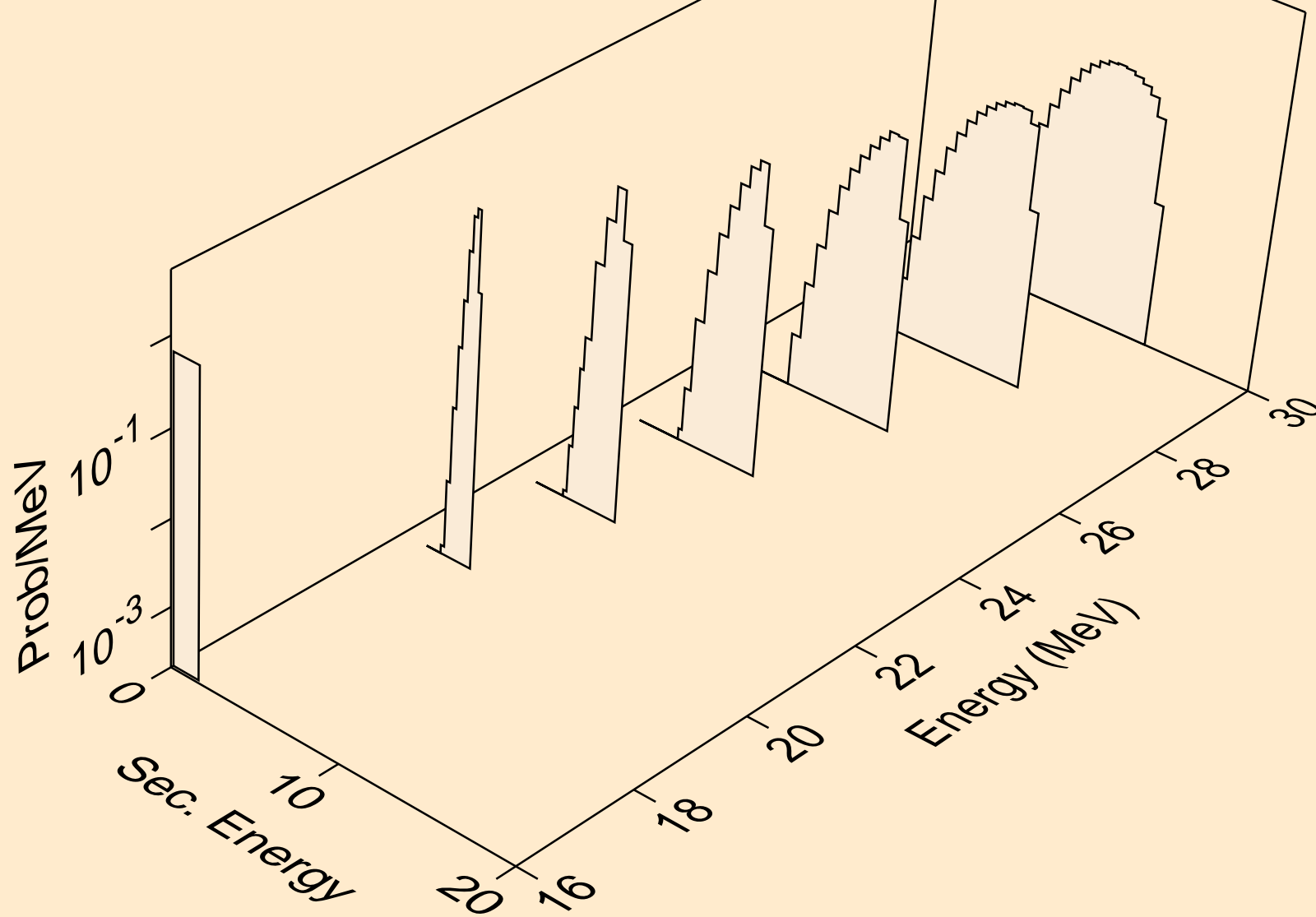
IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,npa)



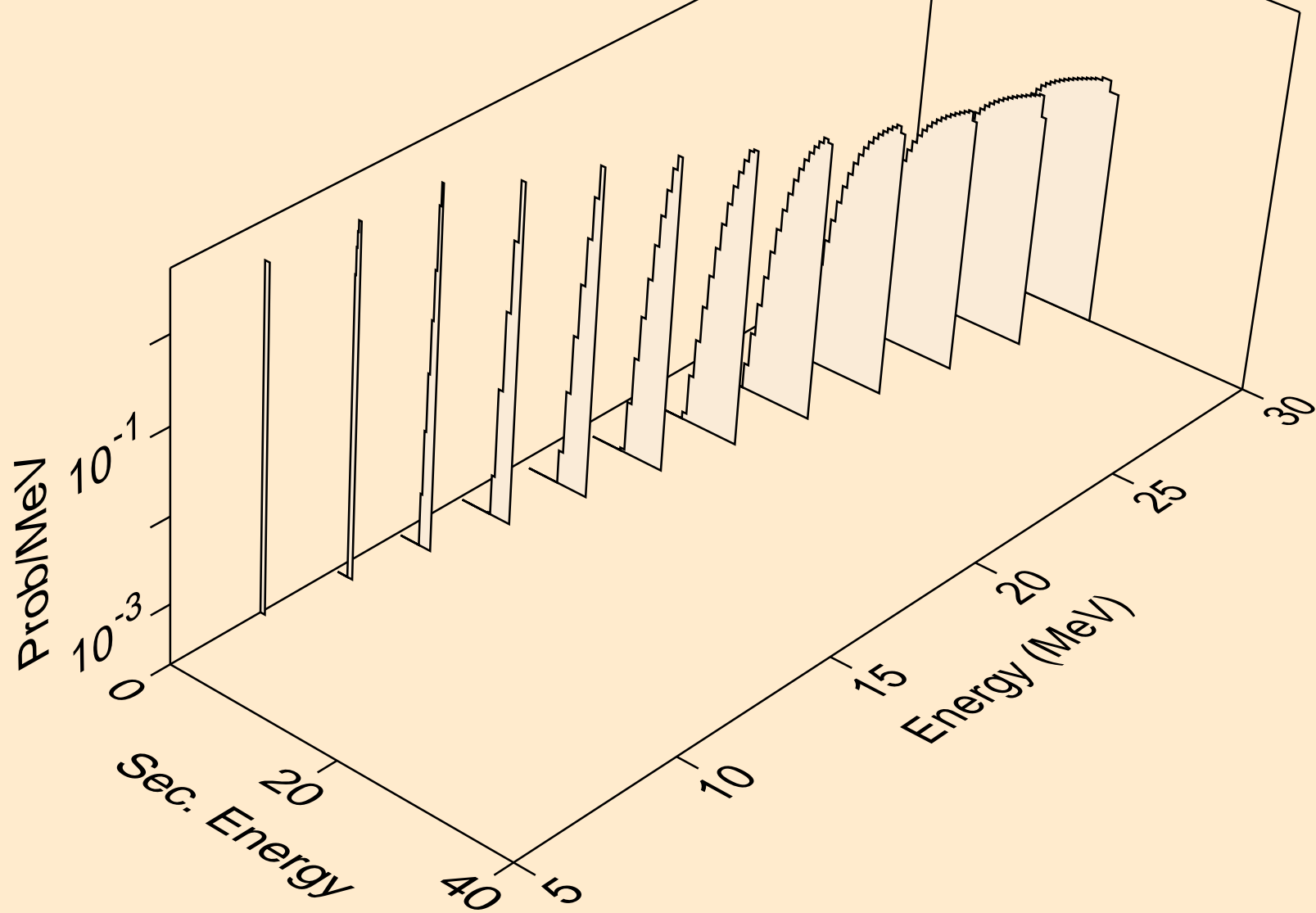
IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,x)



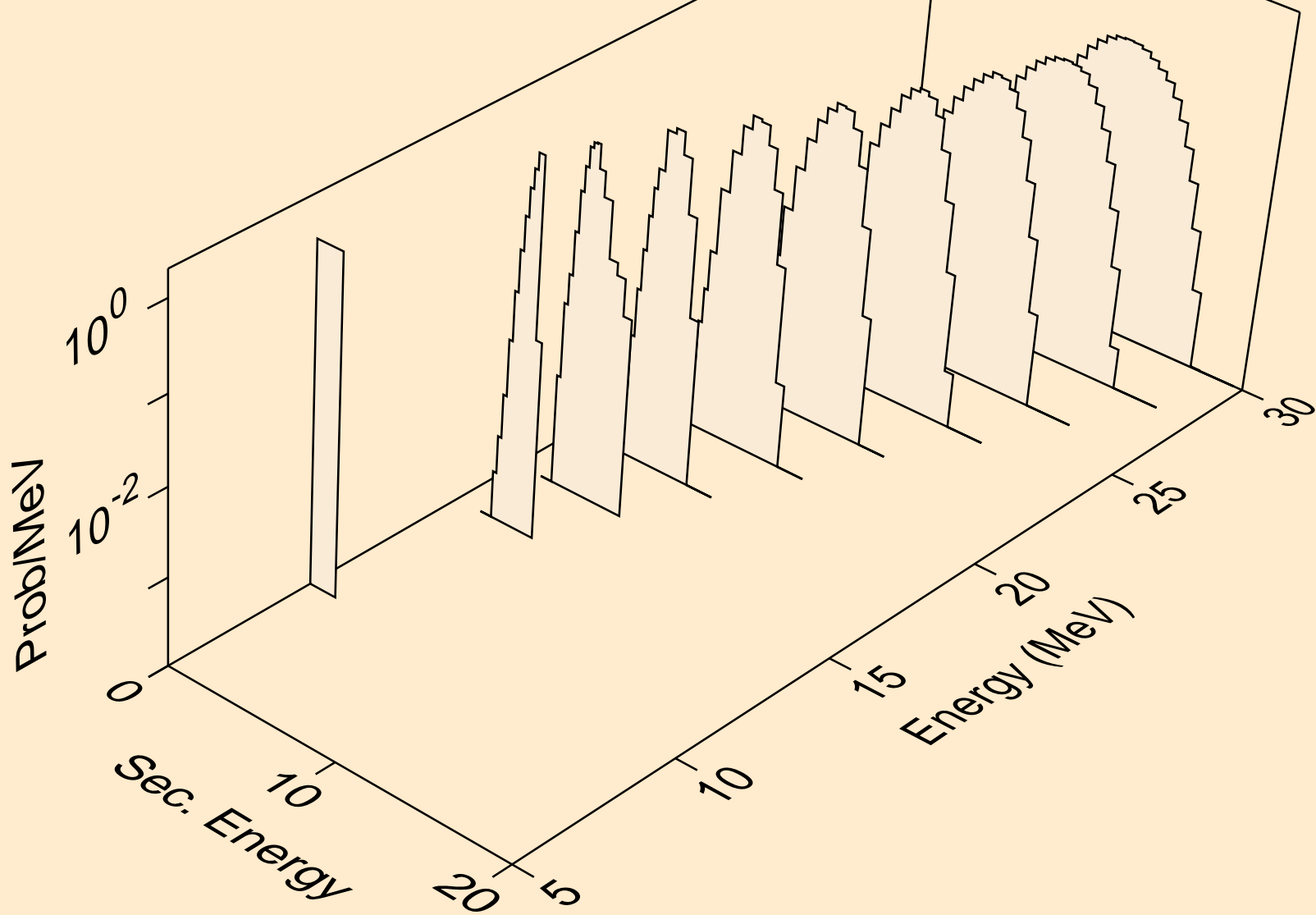
IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,n\*)d



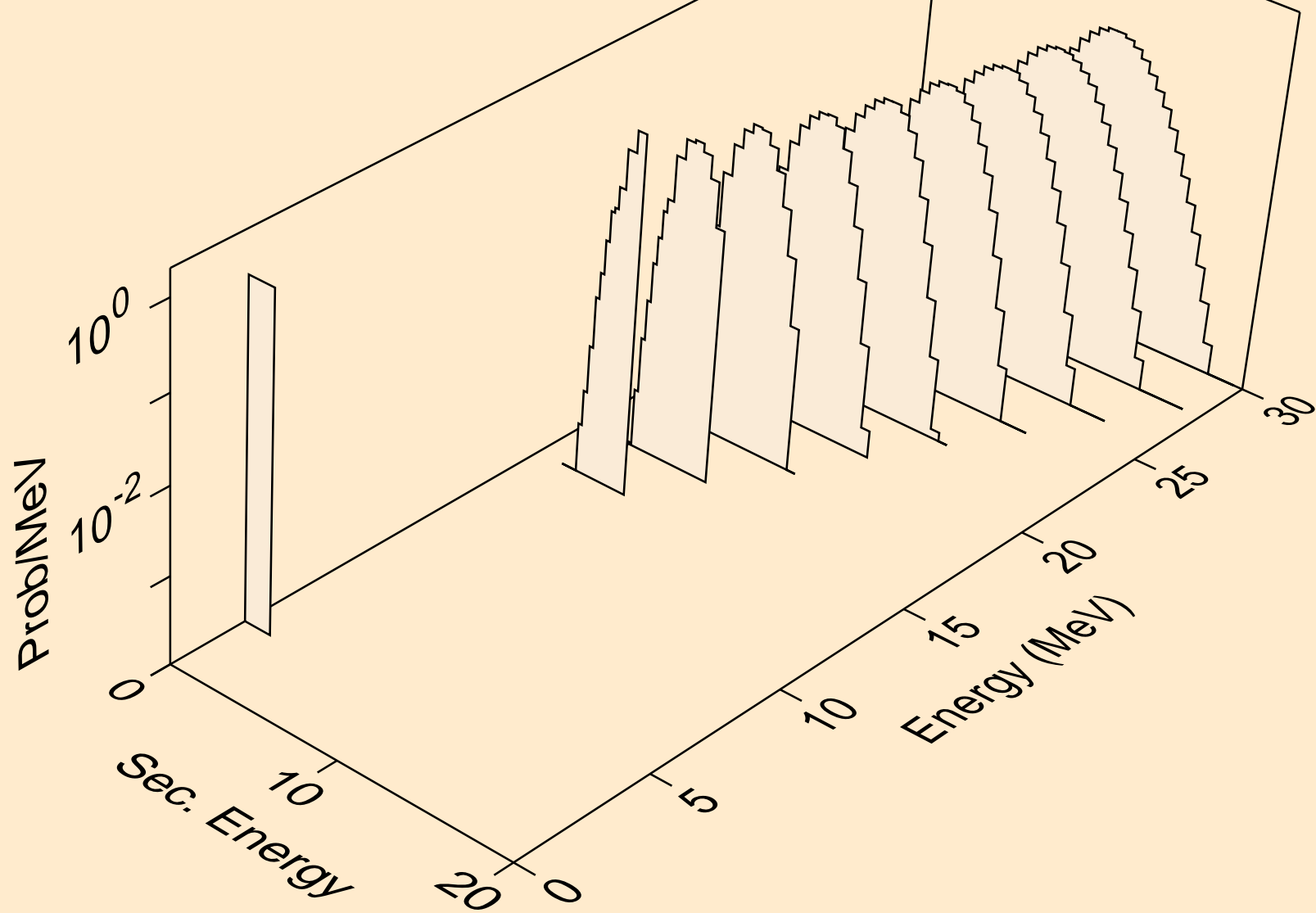
IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,d)



IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,pd)

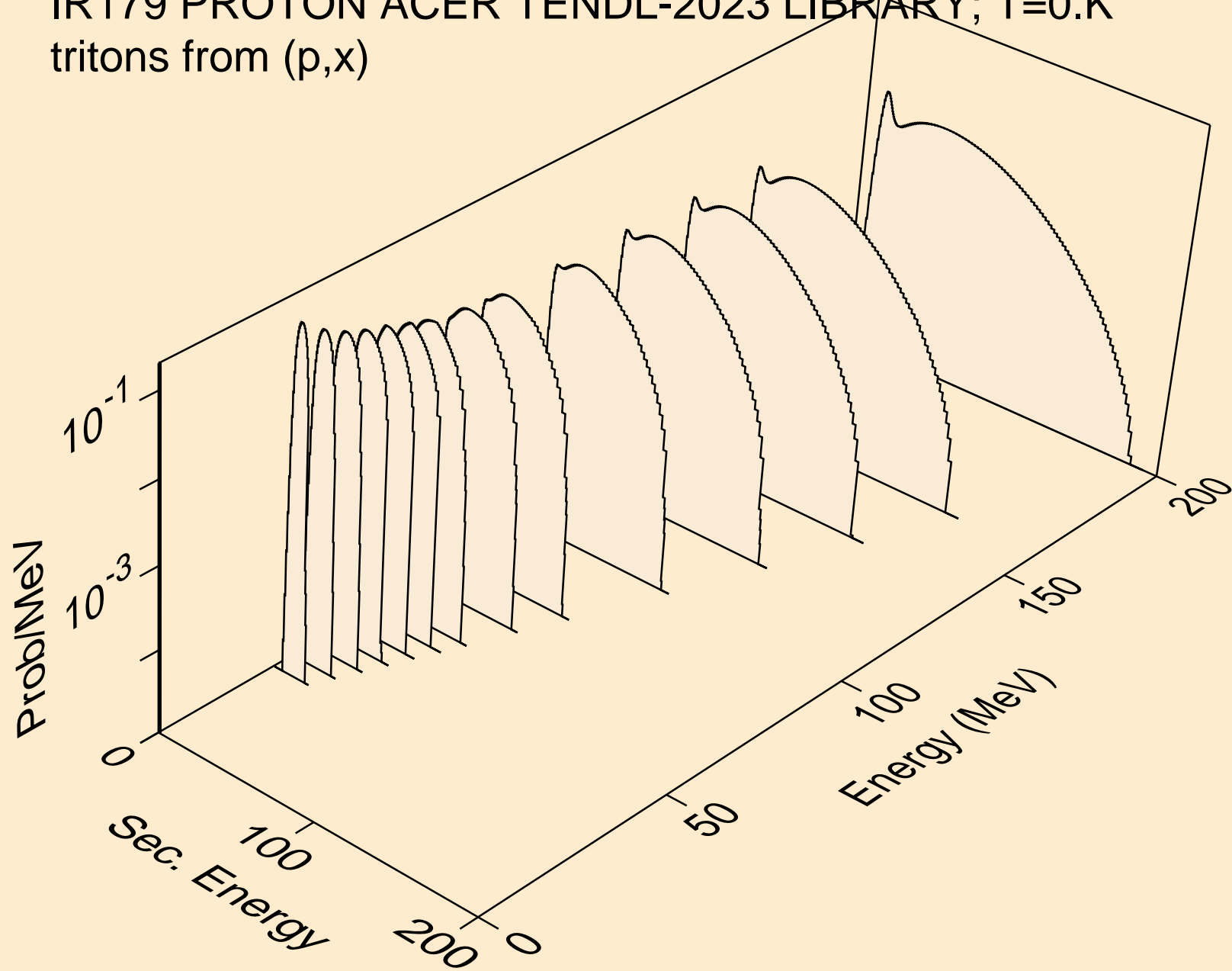


IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,da)

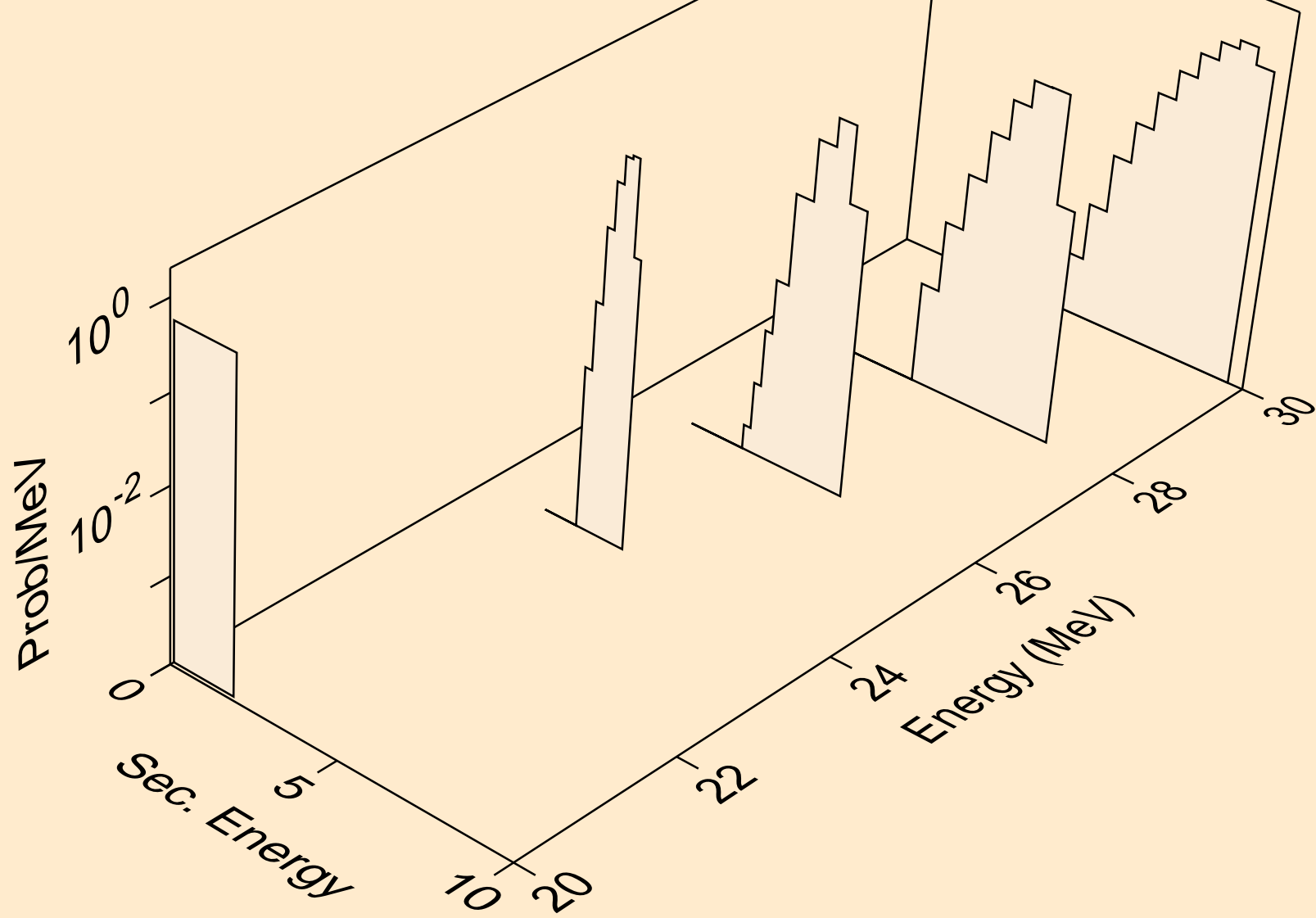




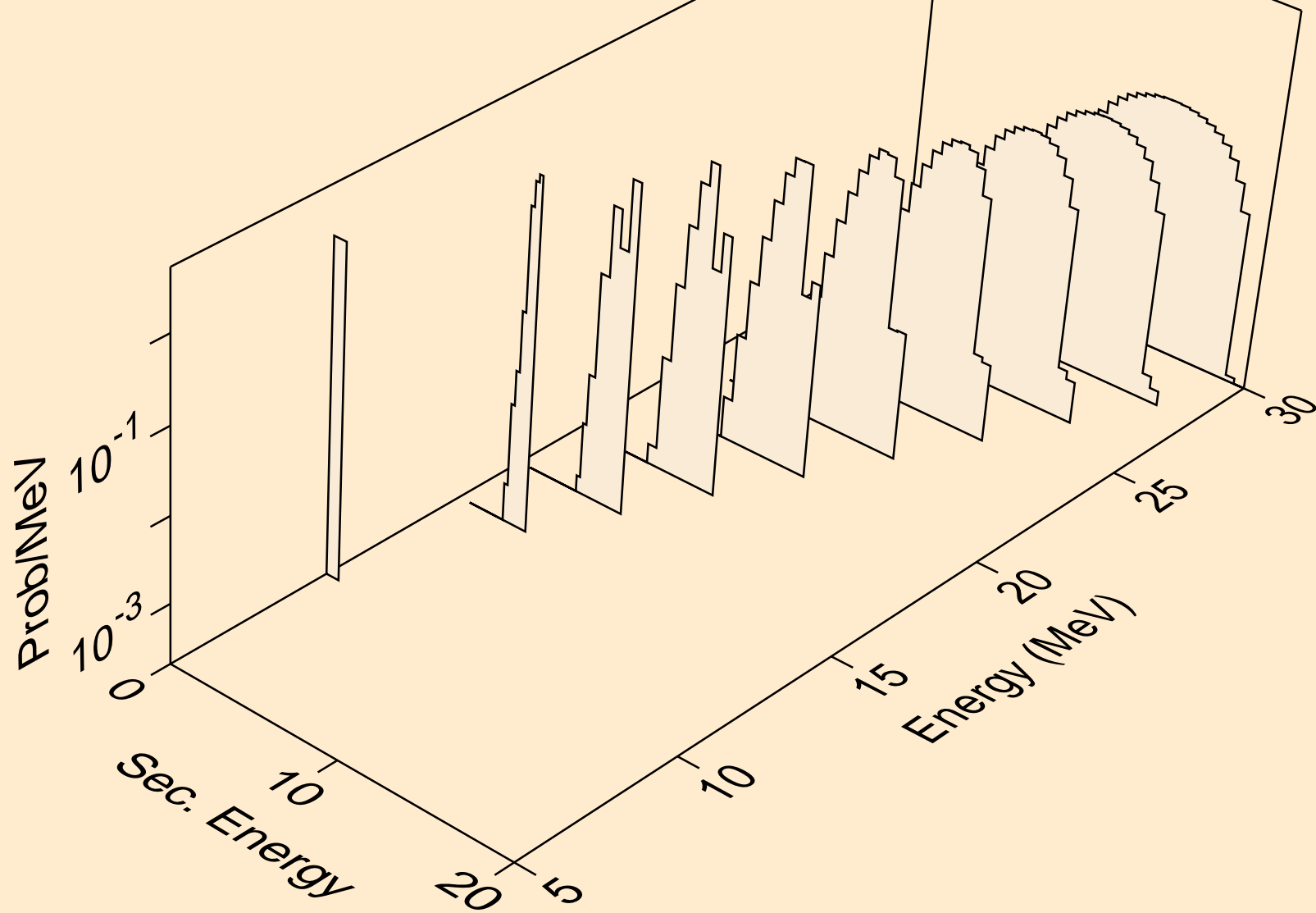
IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)



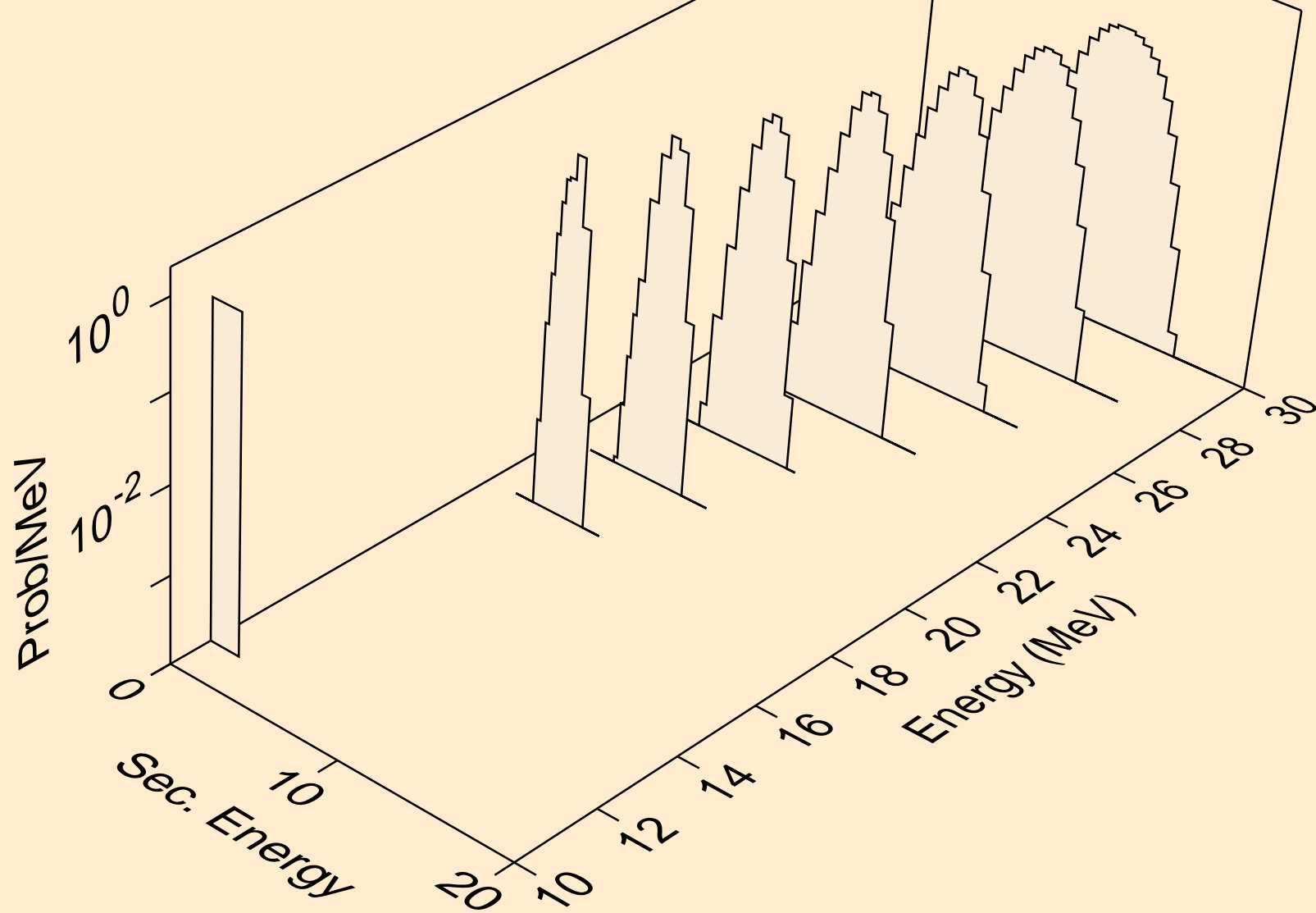
IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,n\*)t



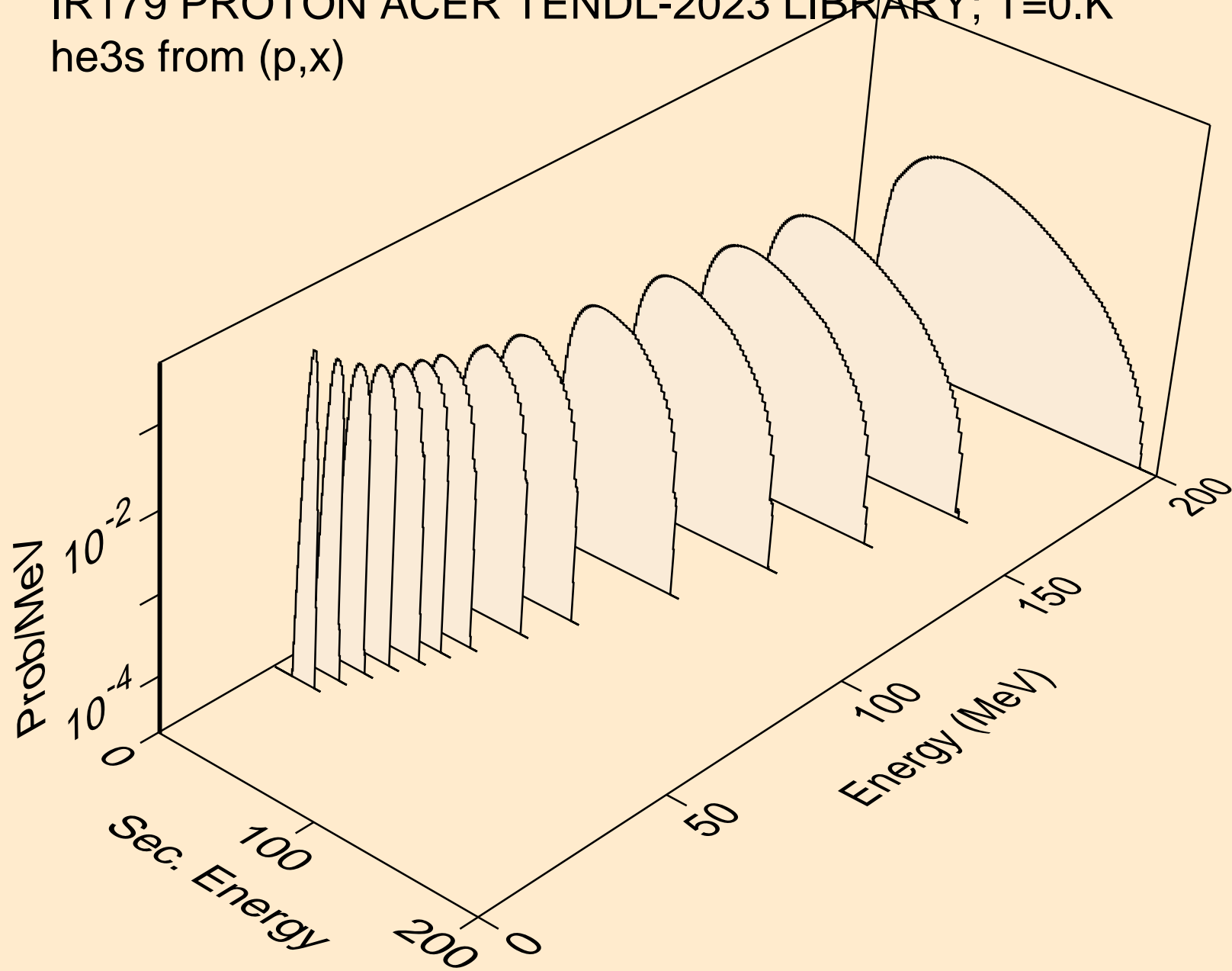
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tritons from (p,t)



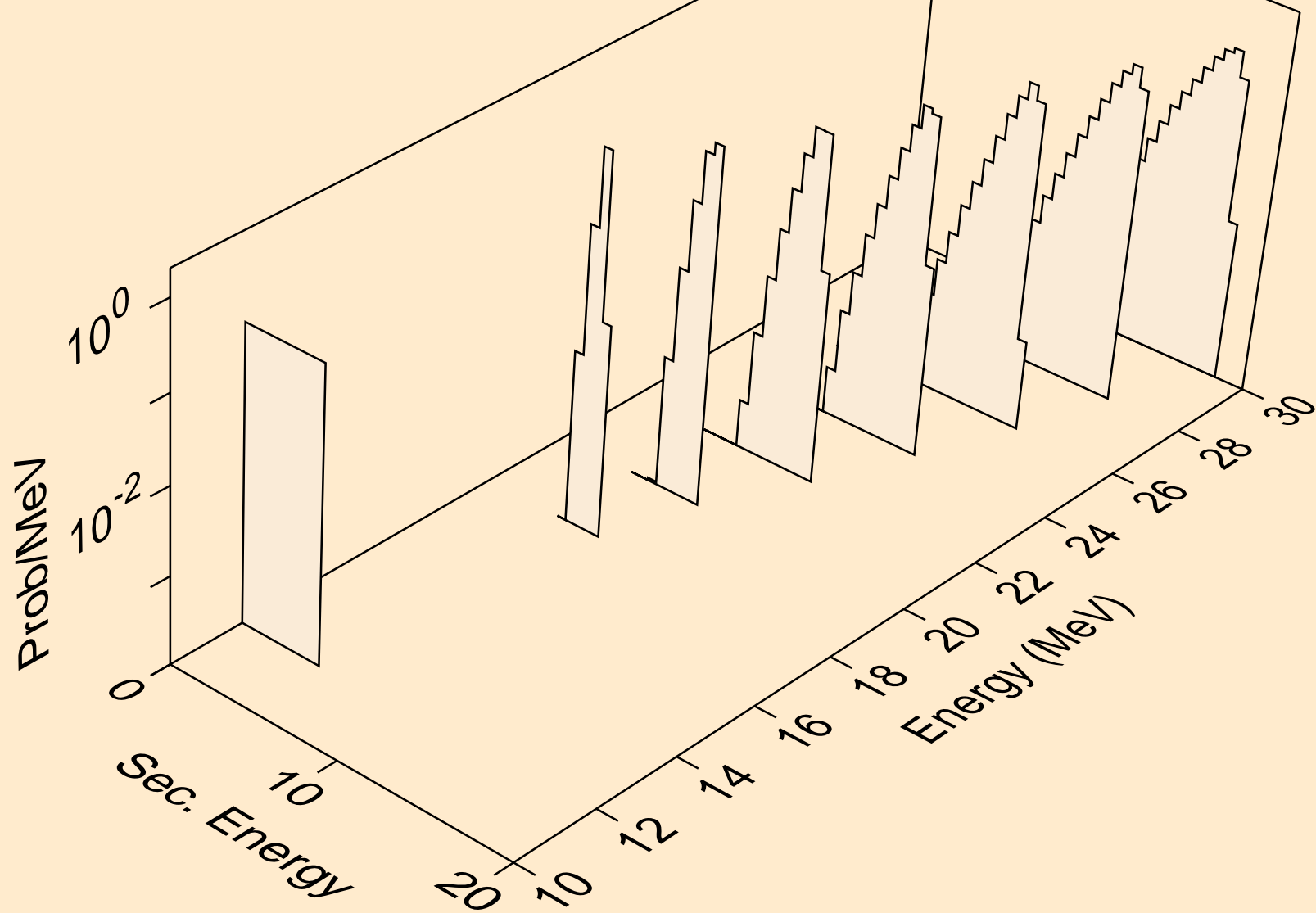
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tritons from (p,pt)



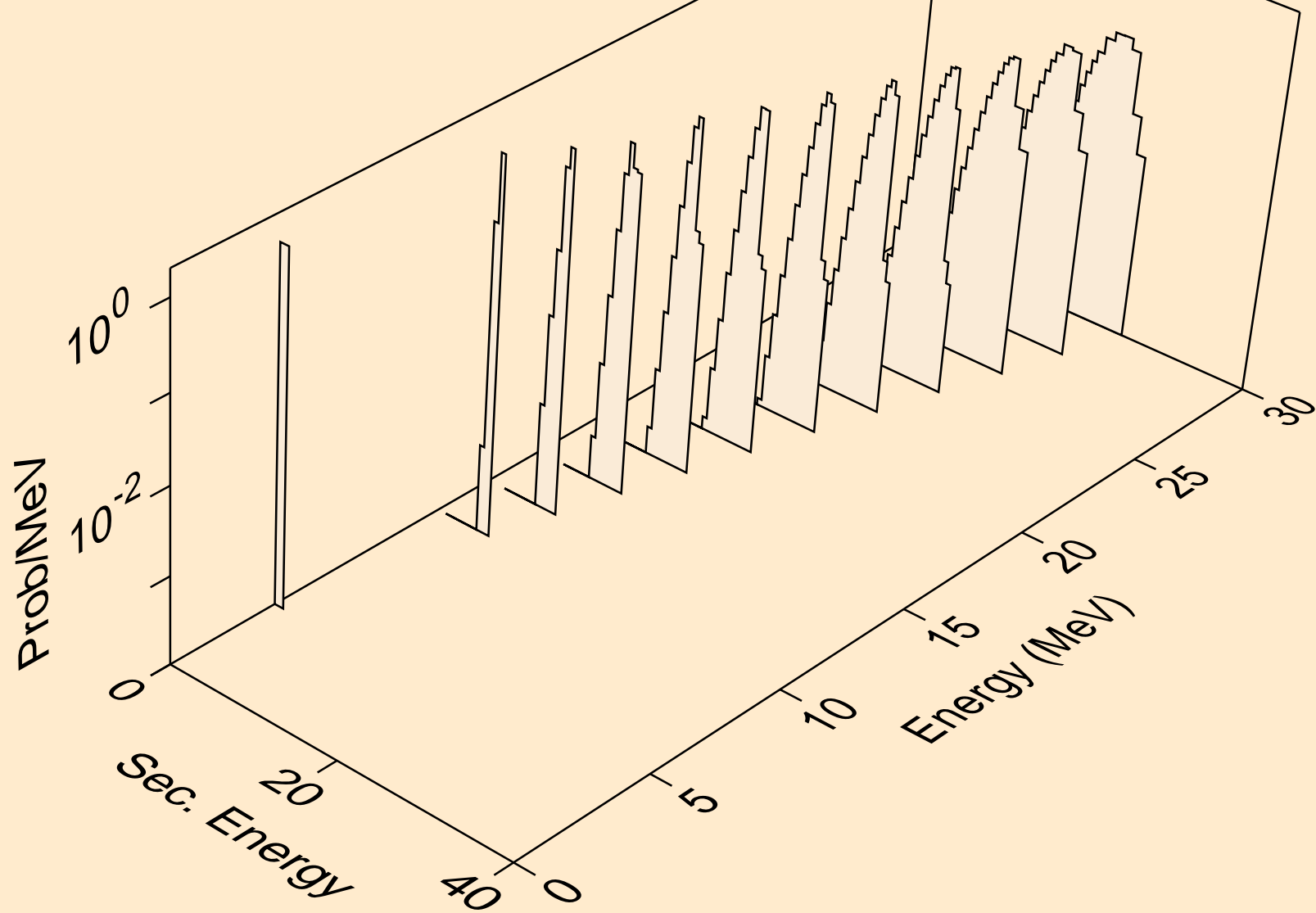
IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)



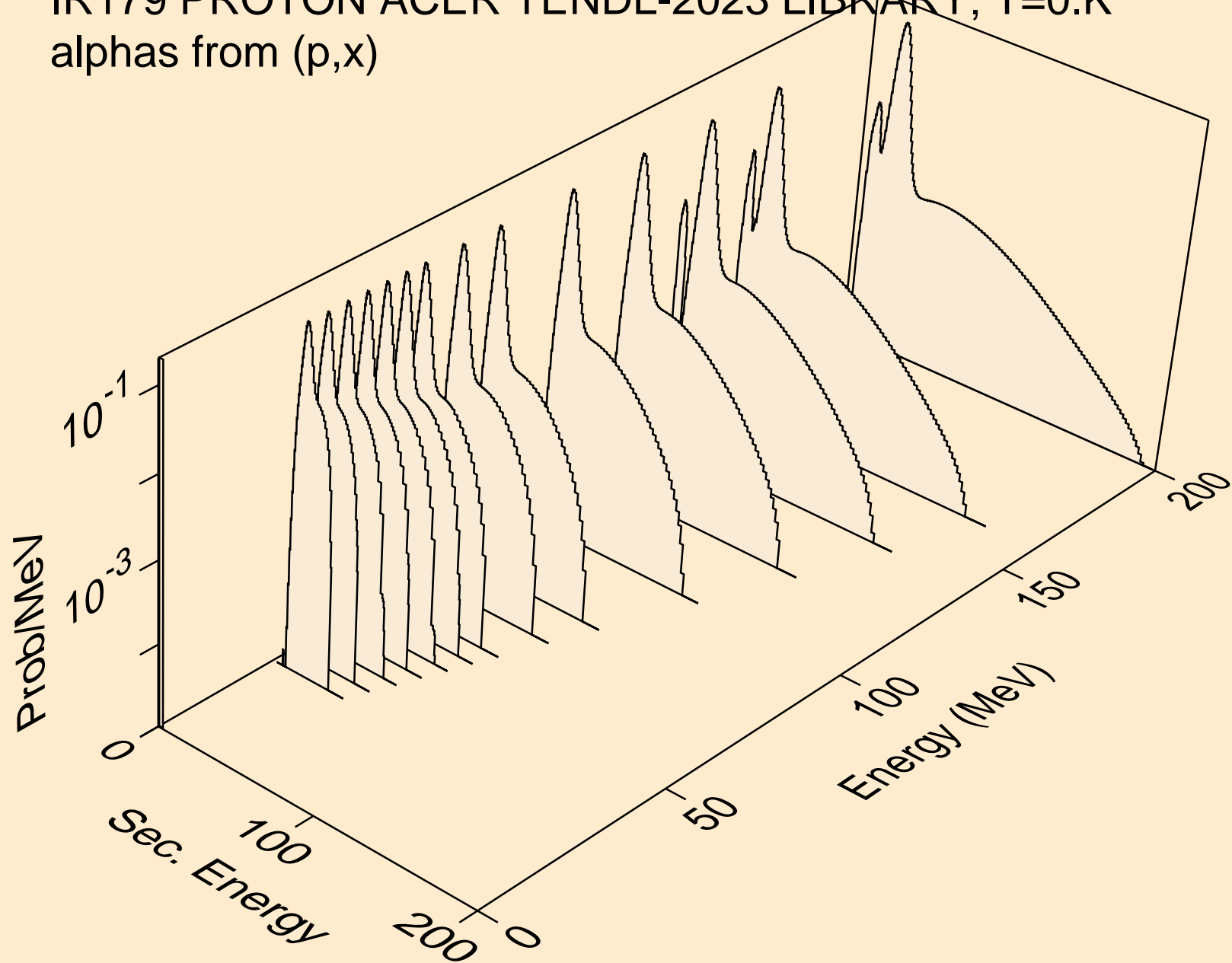
IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3



IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,he3)

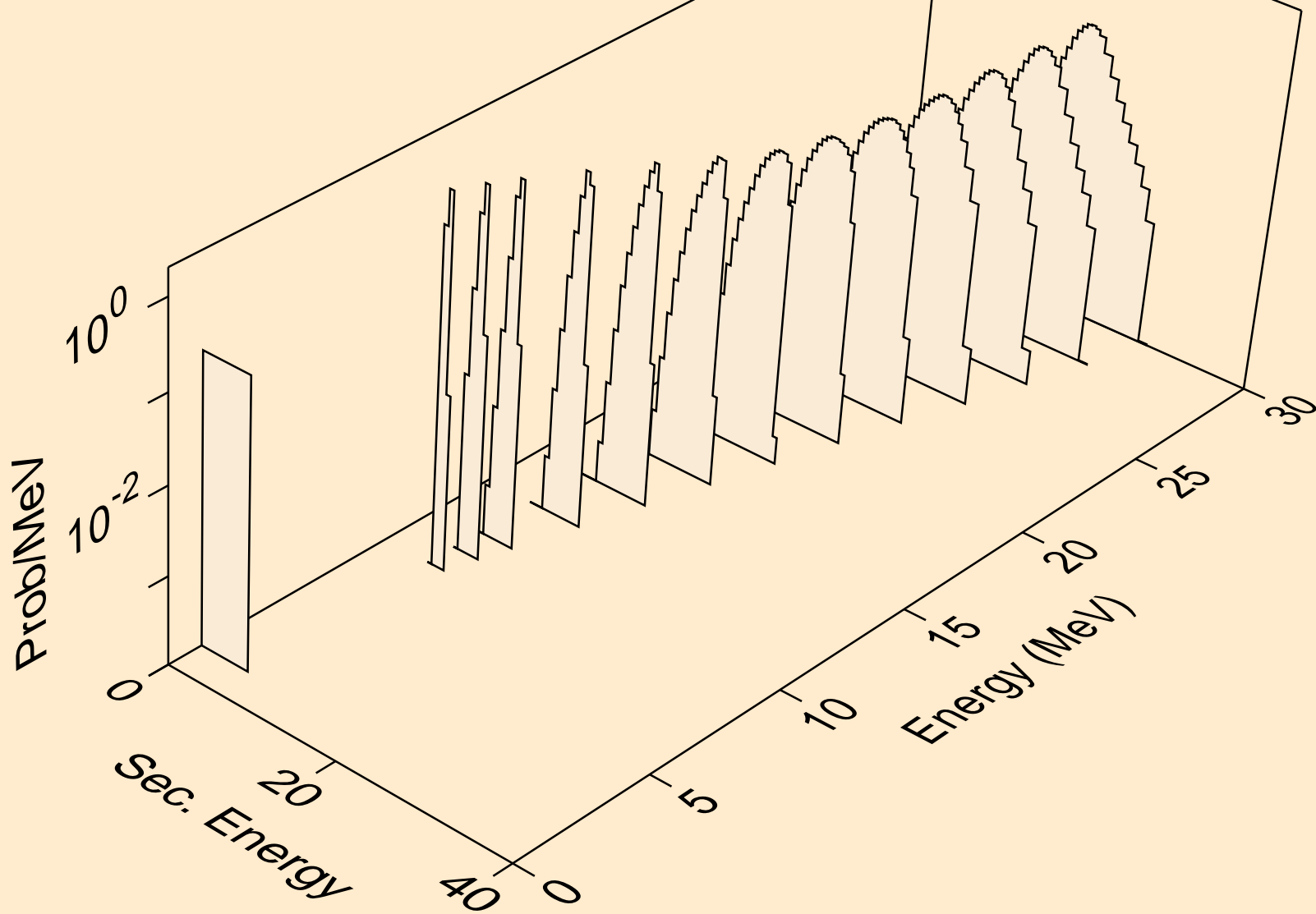


IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)

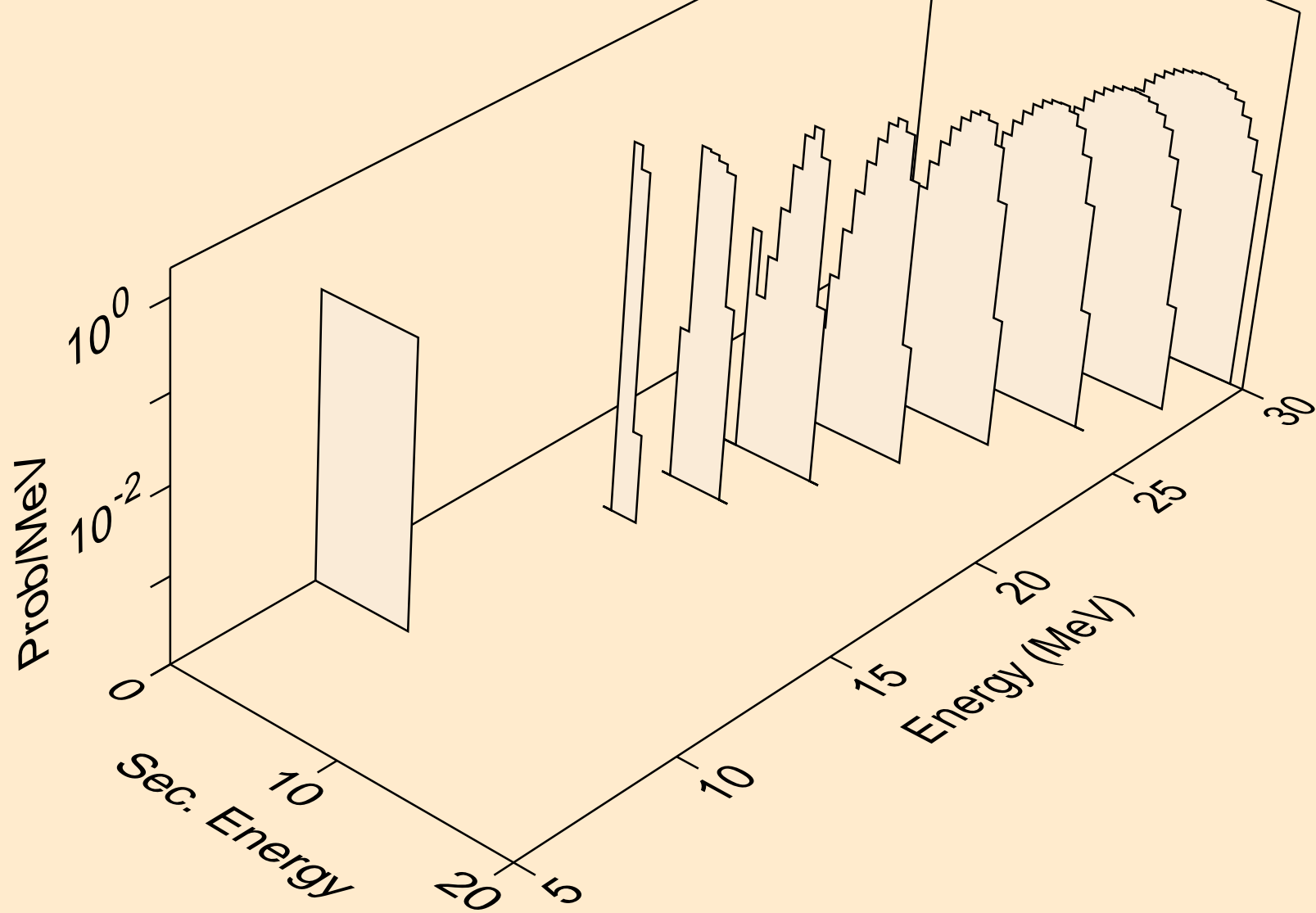




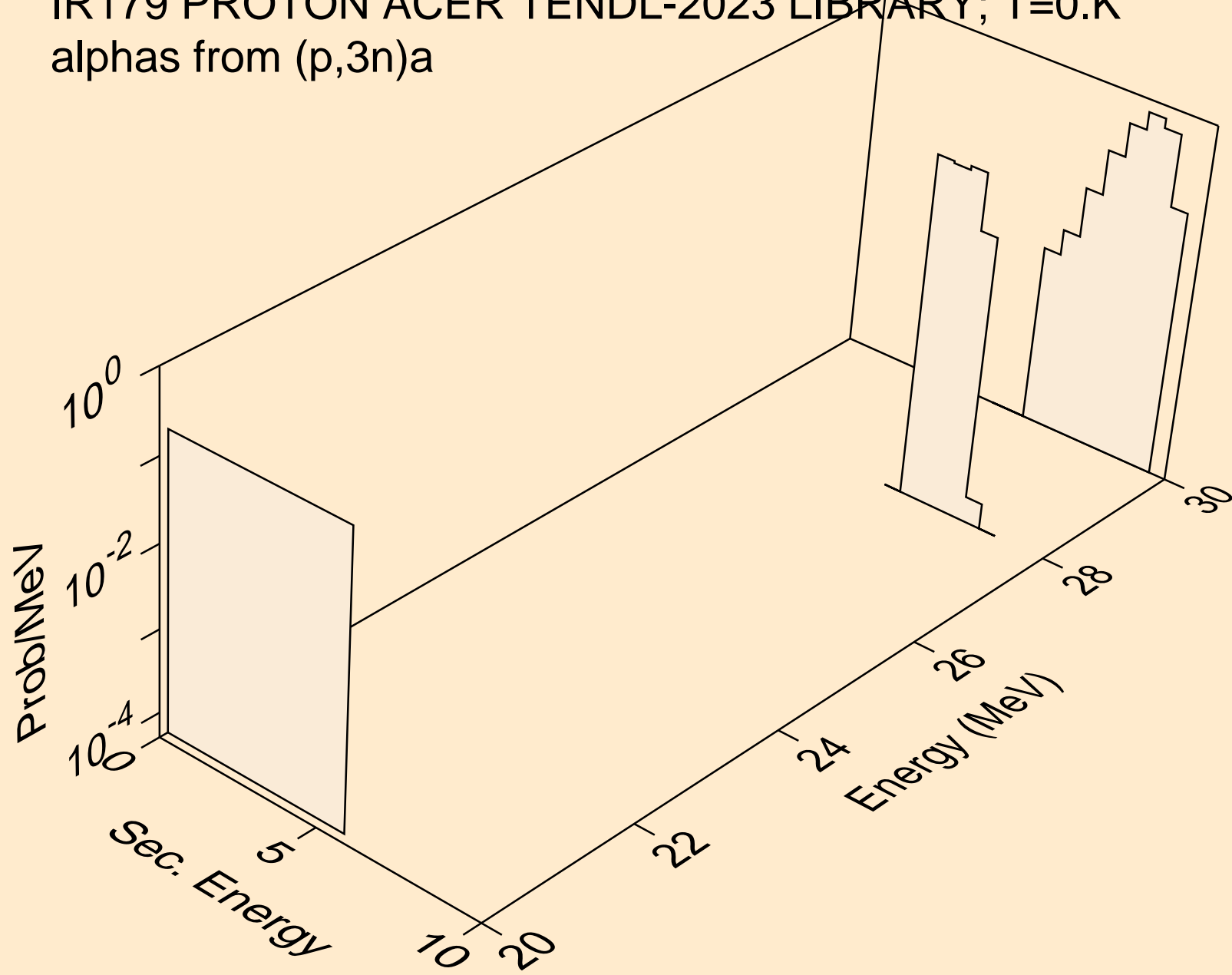
IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a



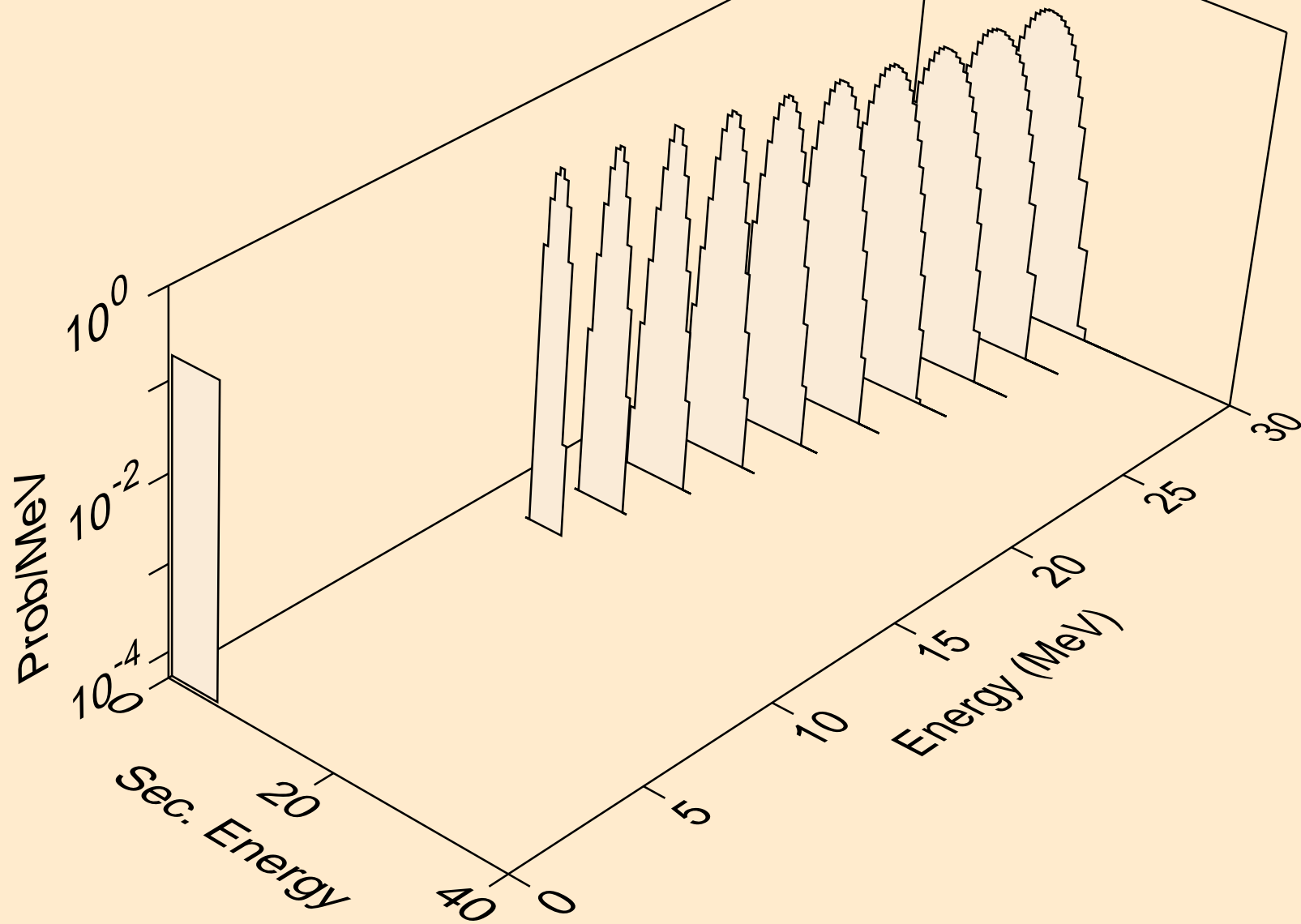
IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)a



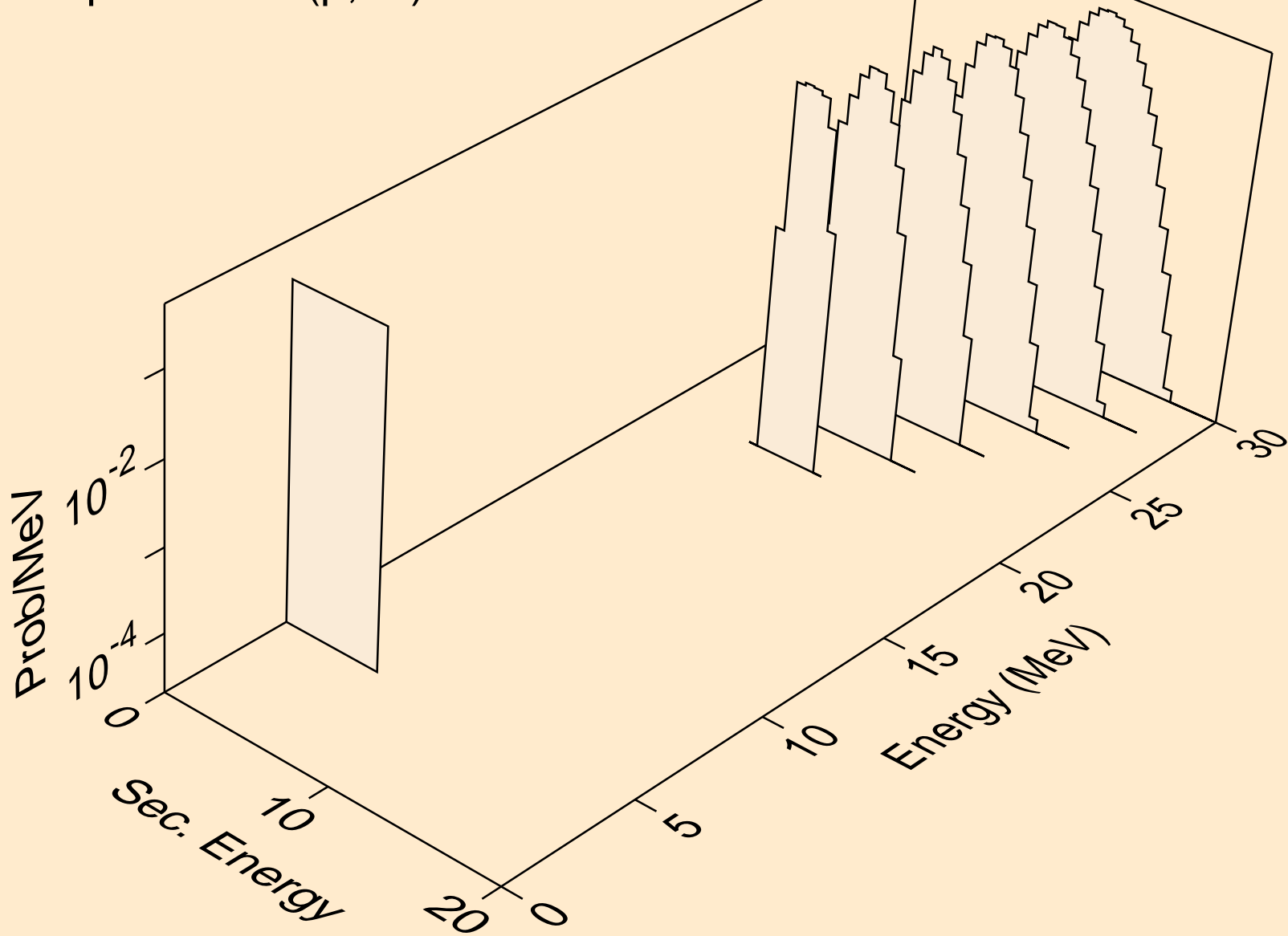
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alphas from (p,3n)a



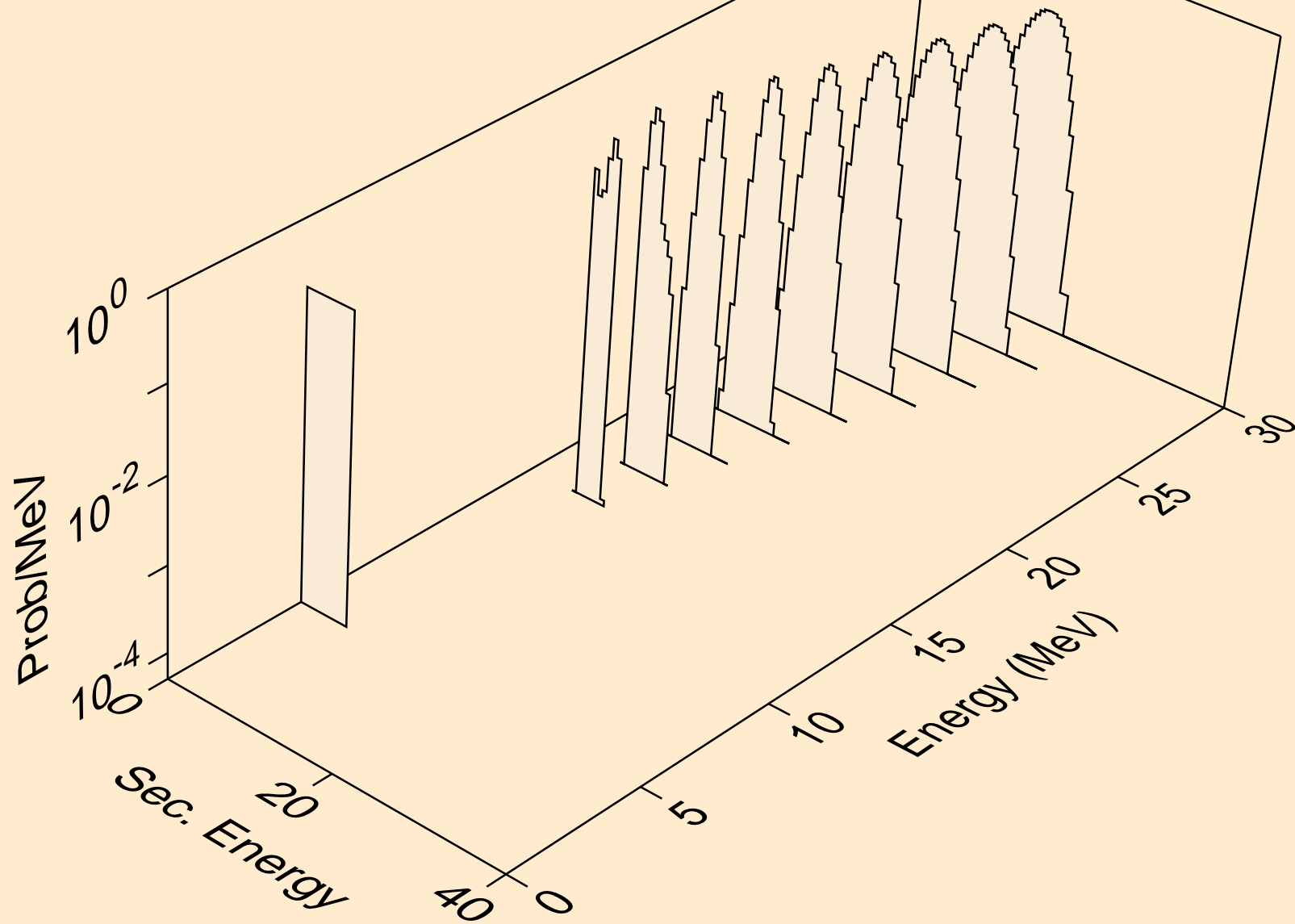
IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)2a



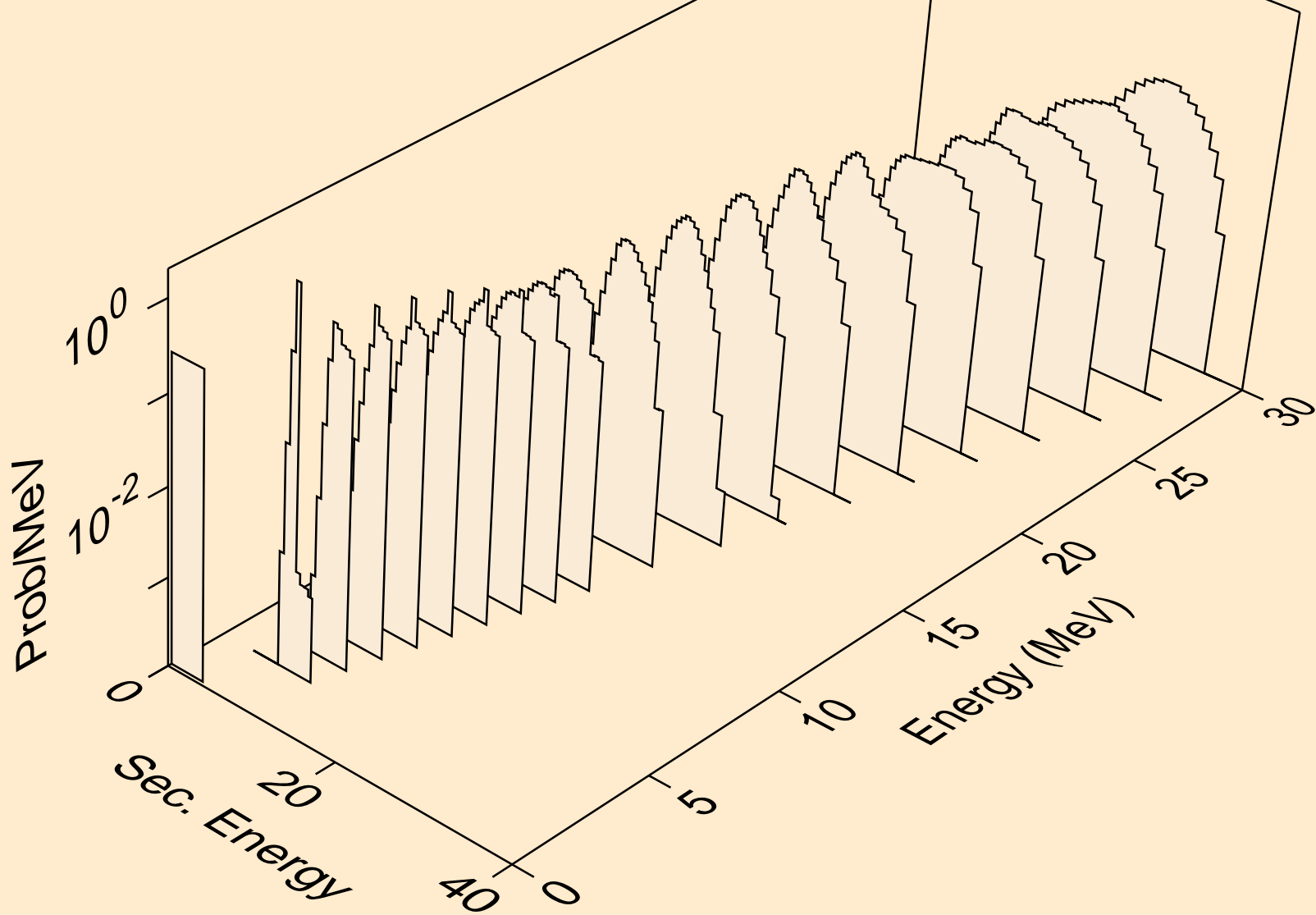
IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)2a



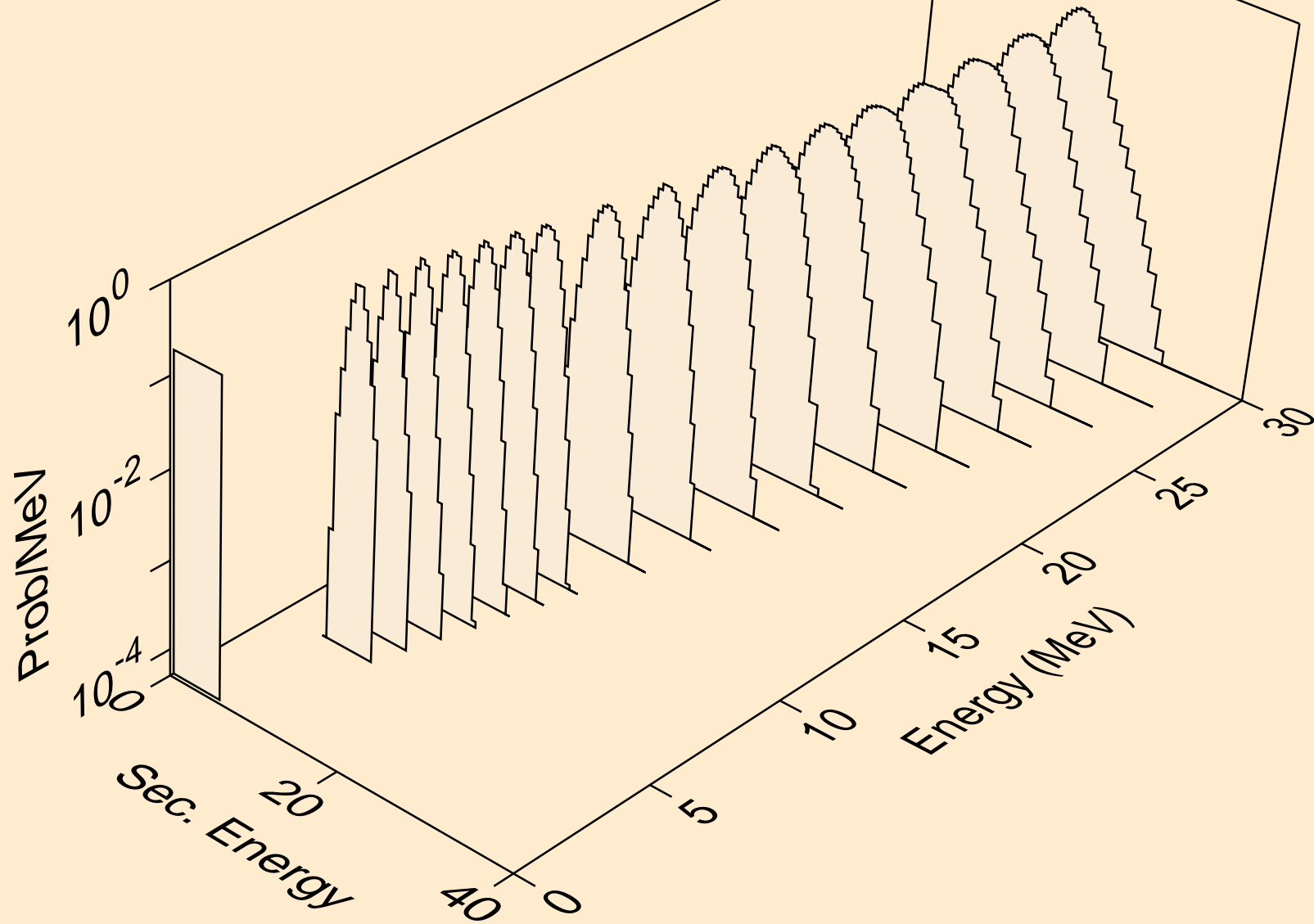
IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,npa)



IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)

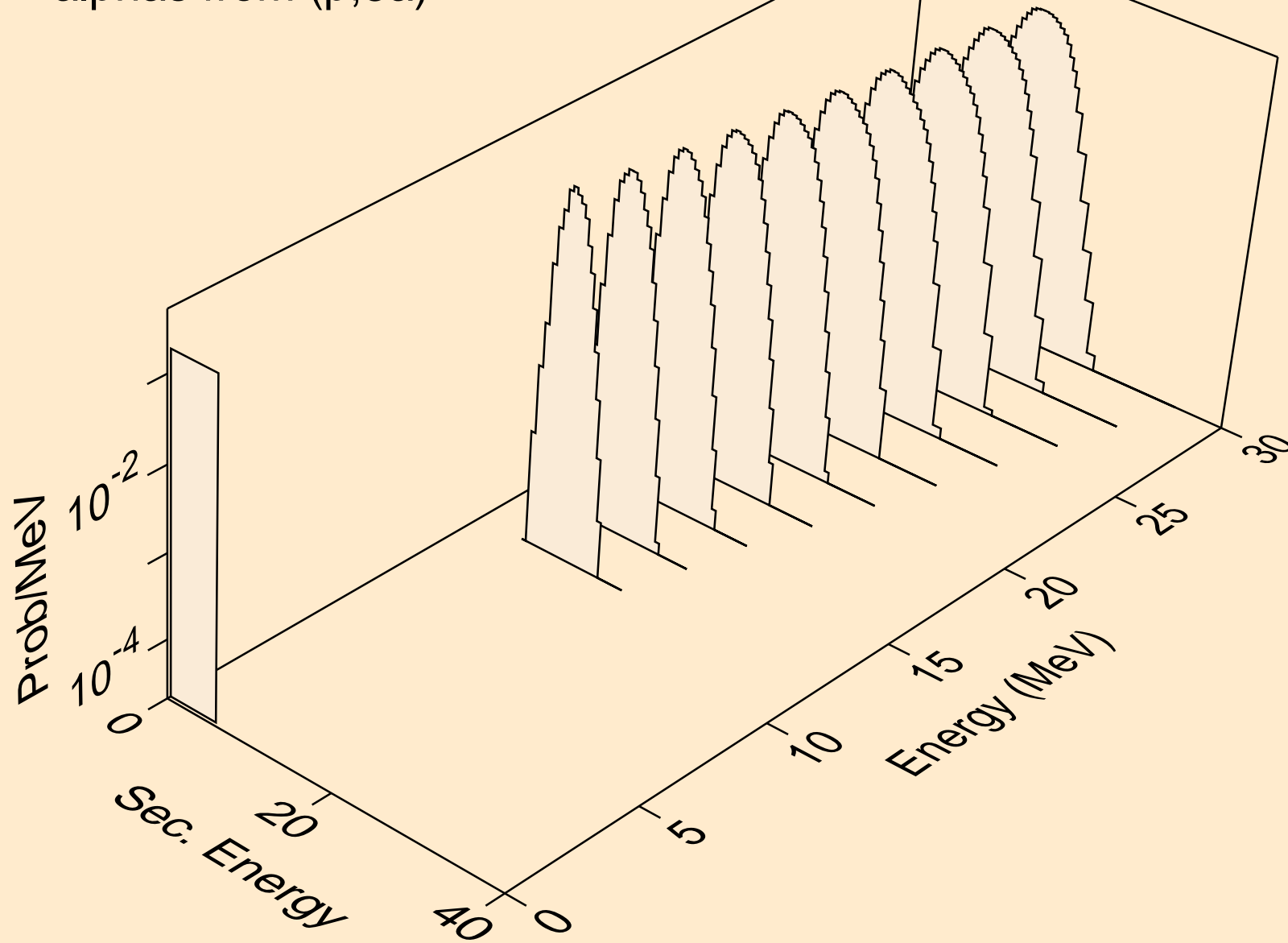


IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2a)

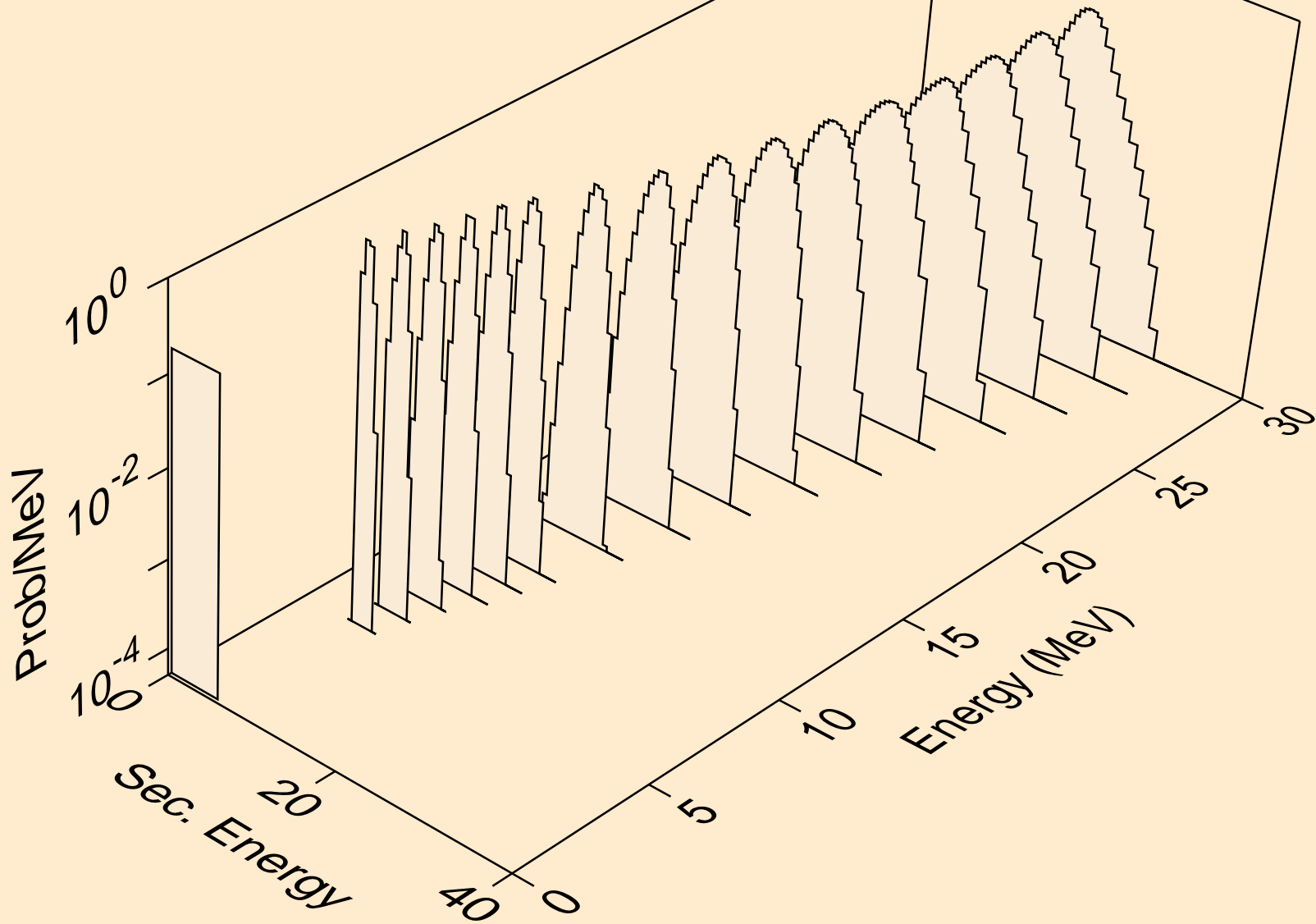




IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3a)



IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)



IR179 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,da)

