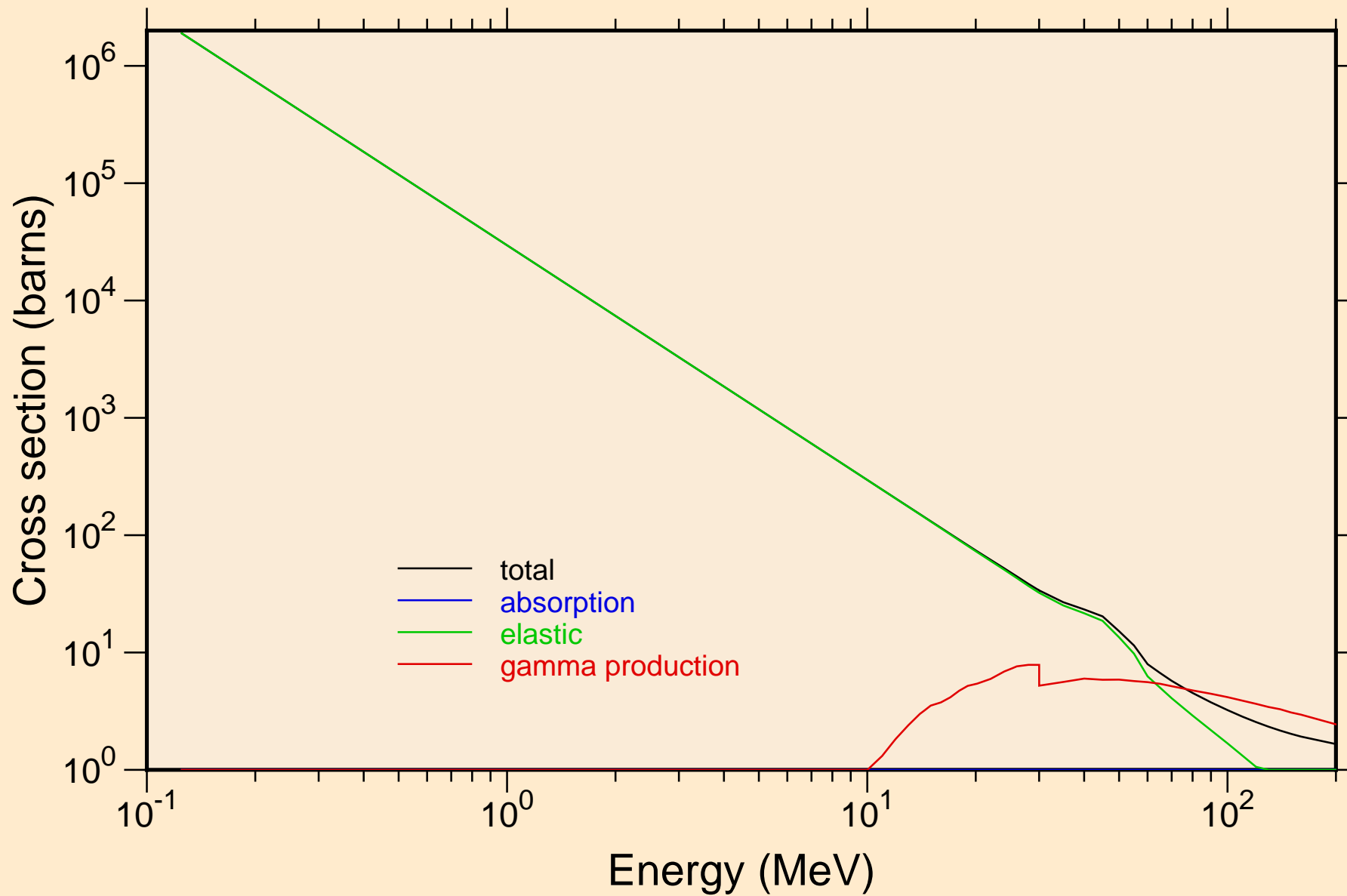
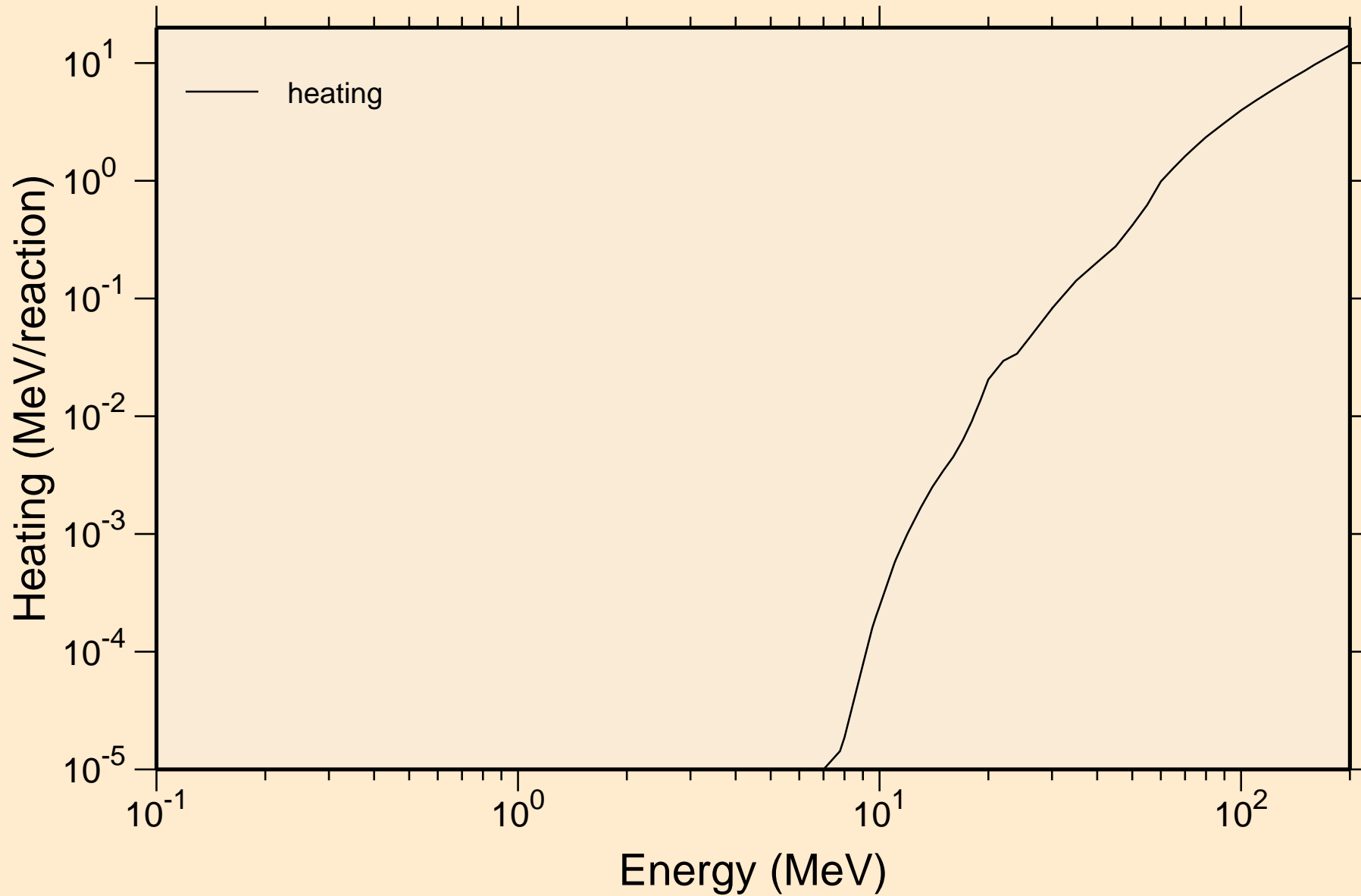


# TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

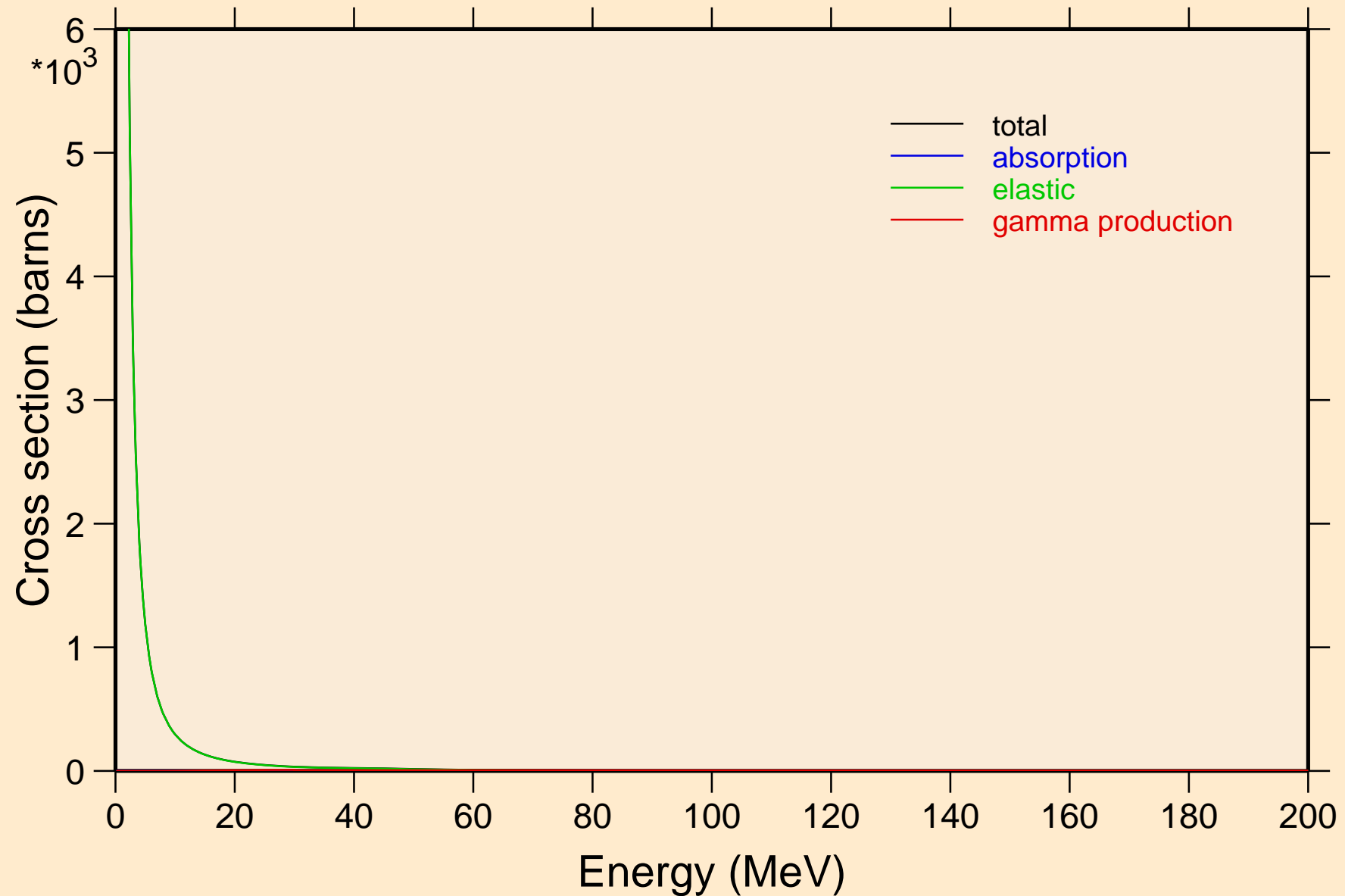


TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



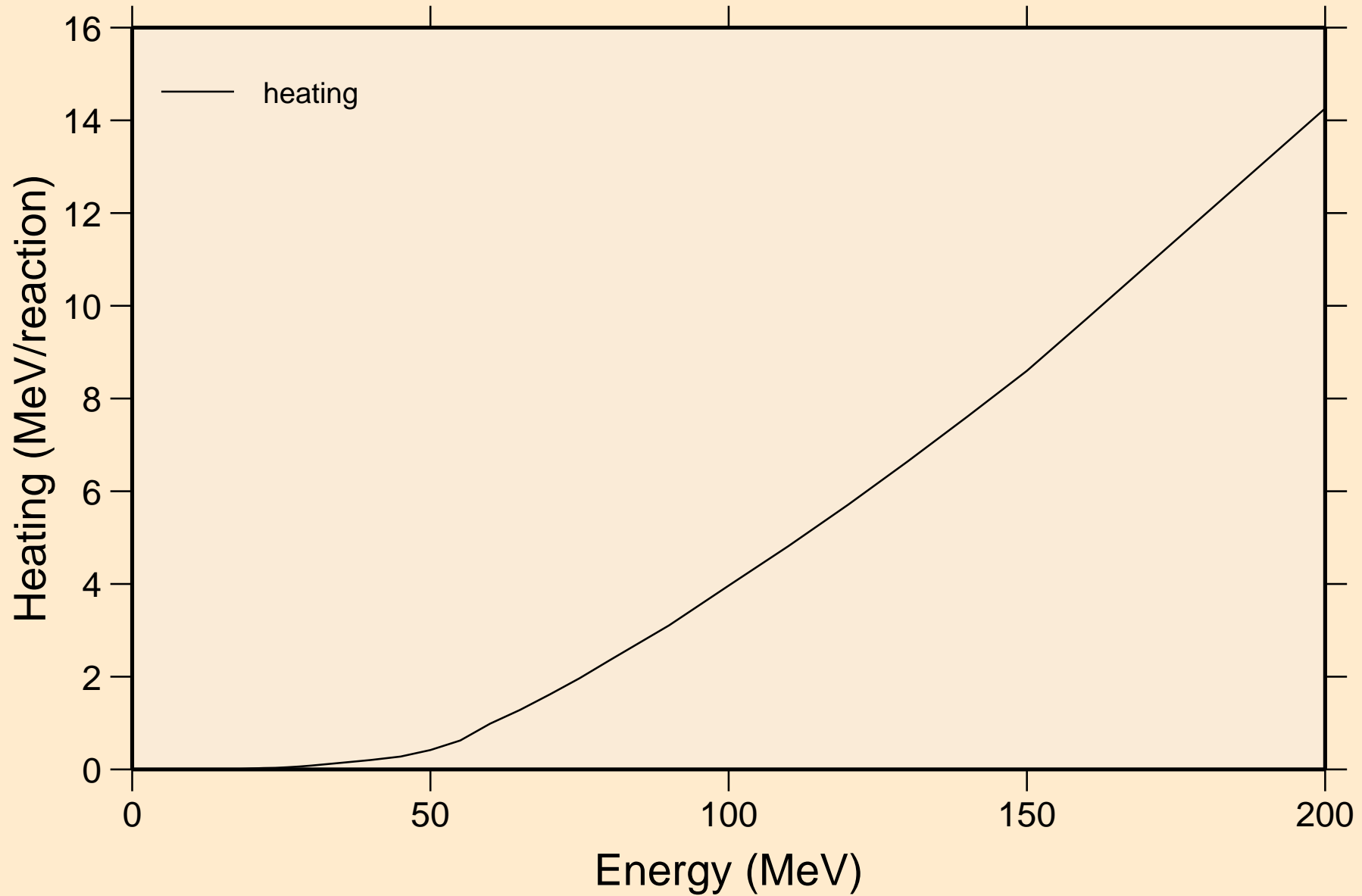
# TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



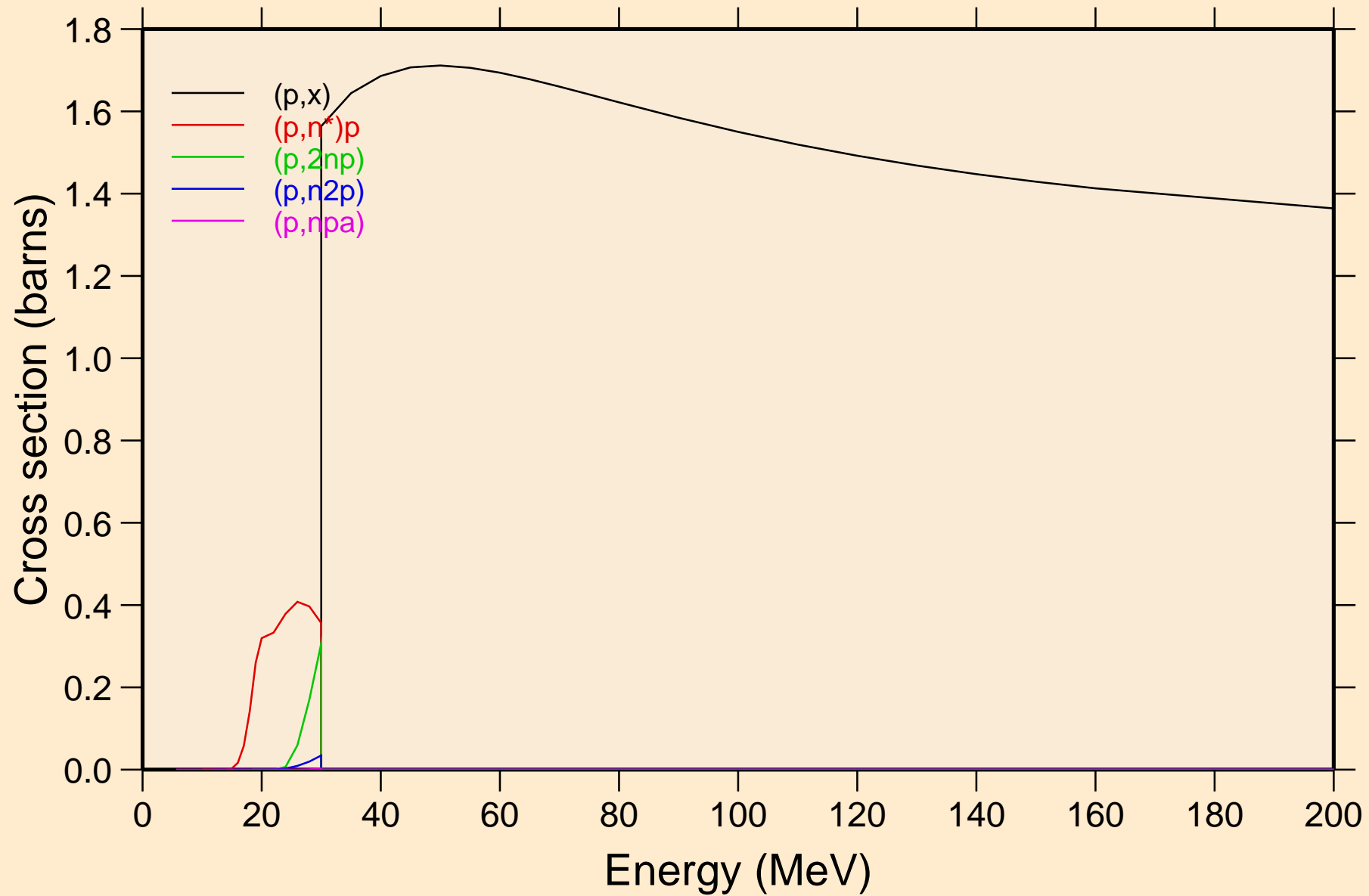
# TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



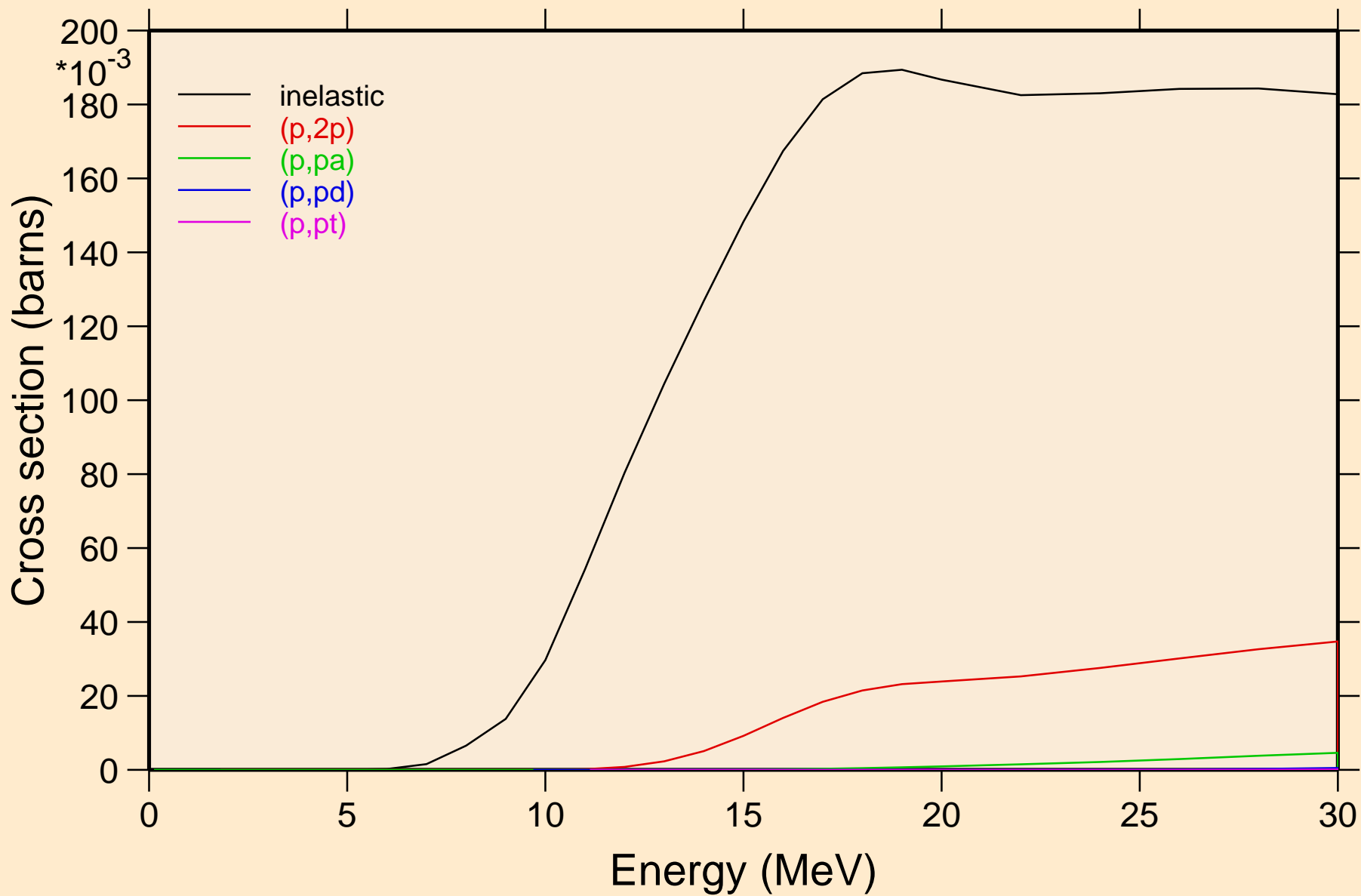
# TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

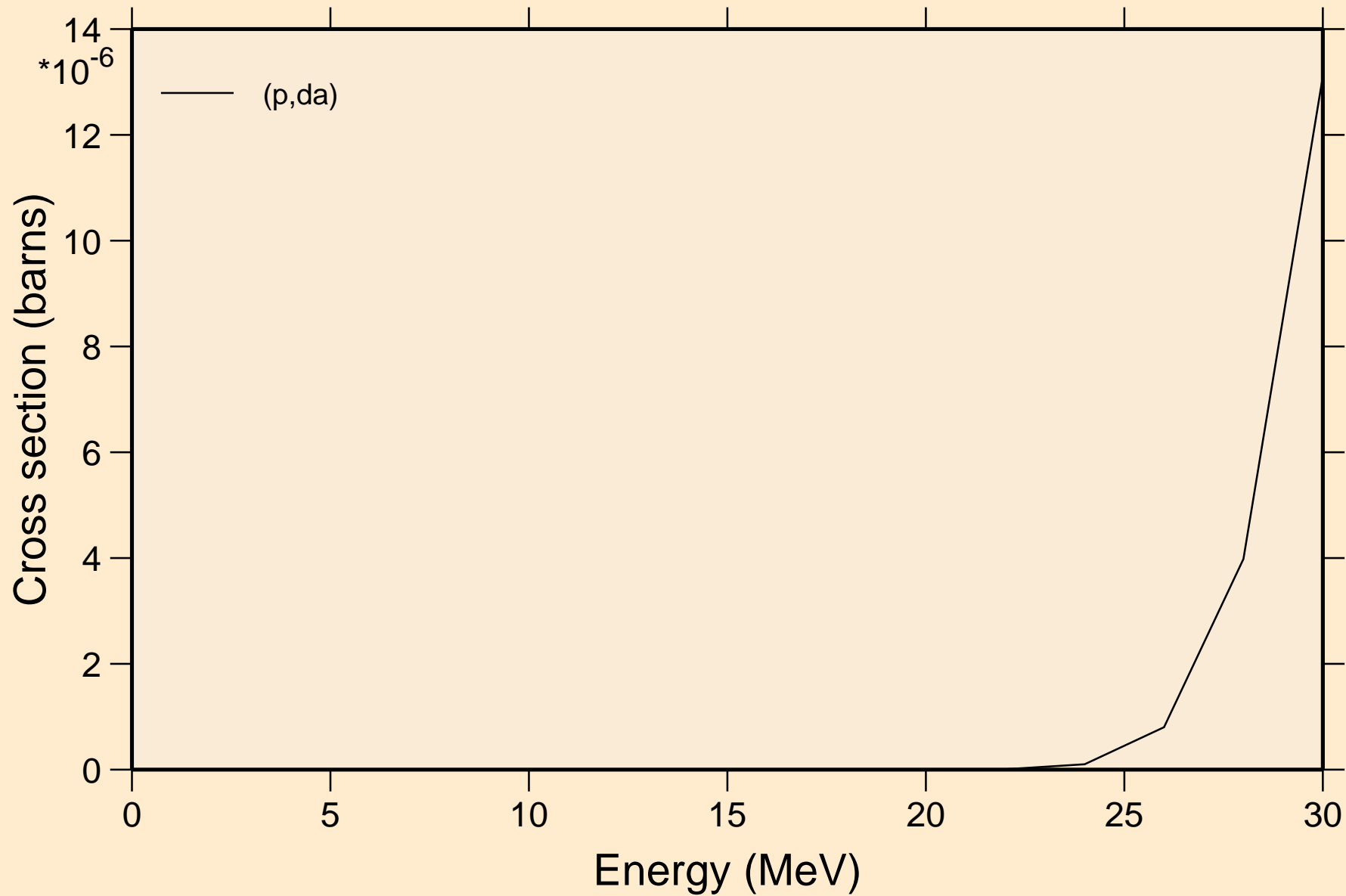


# TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K

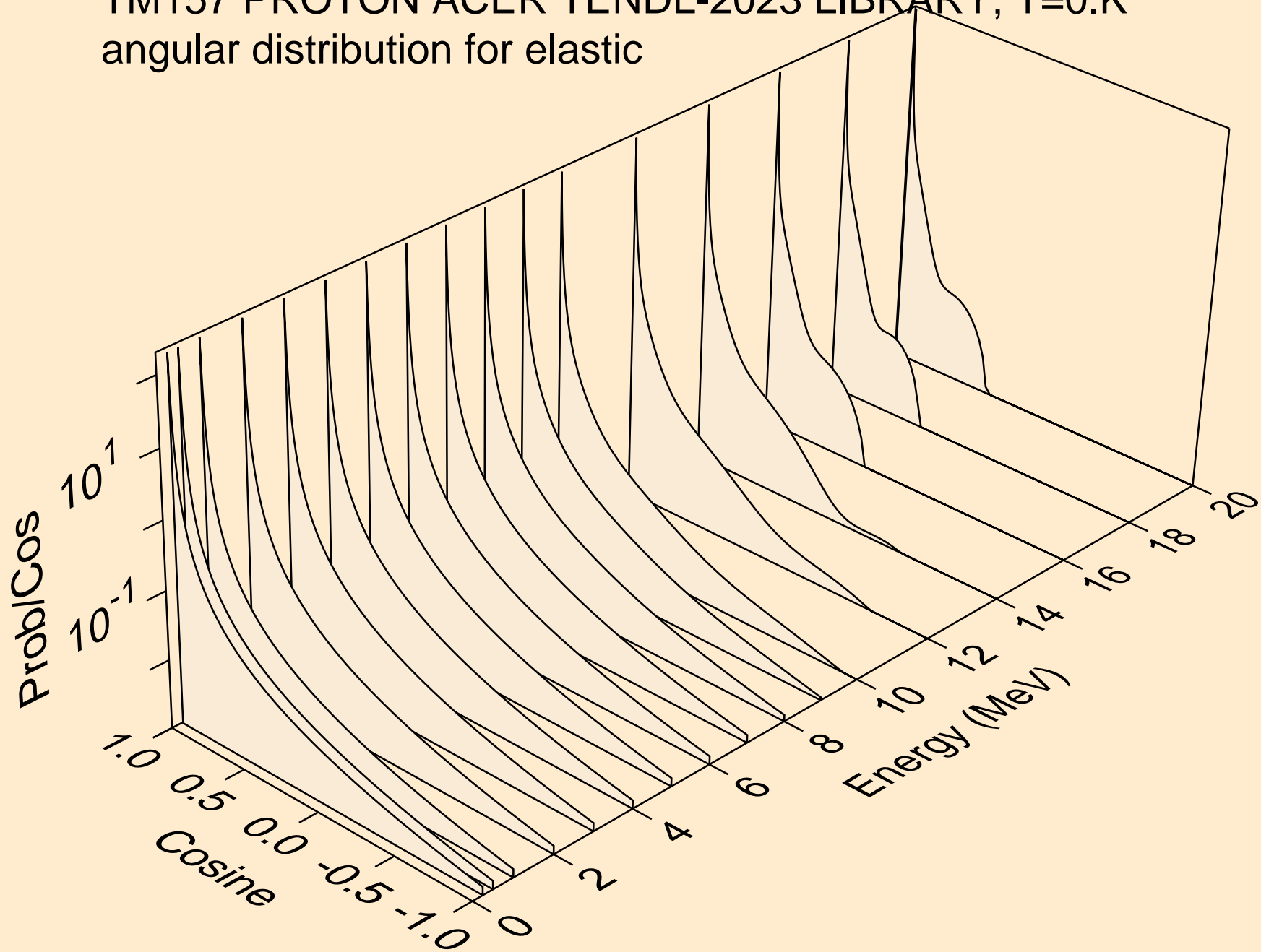
## Threshold reactions



TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

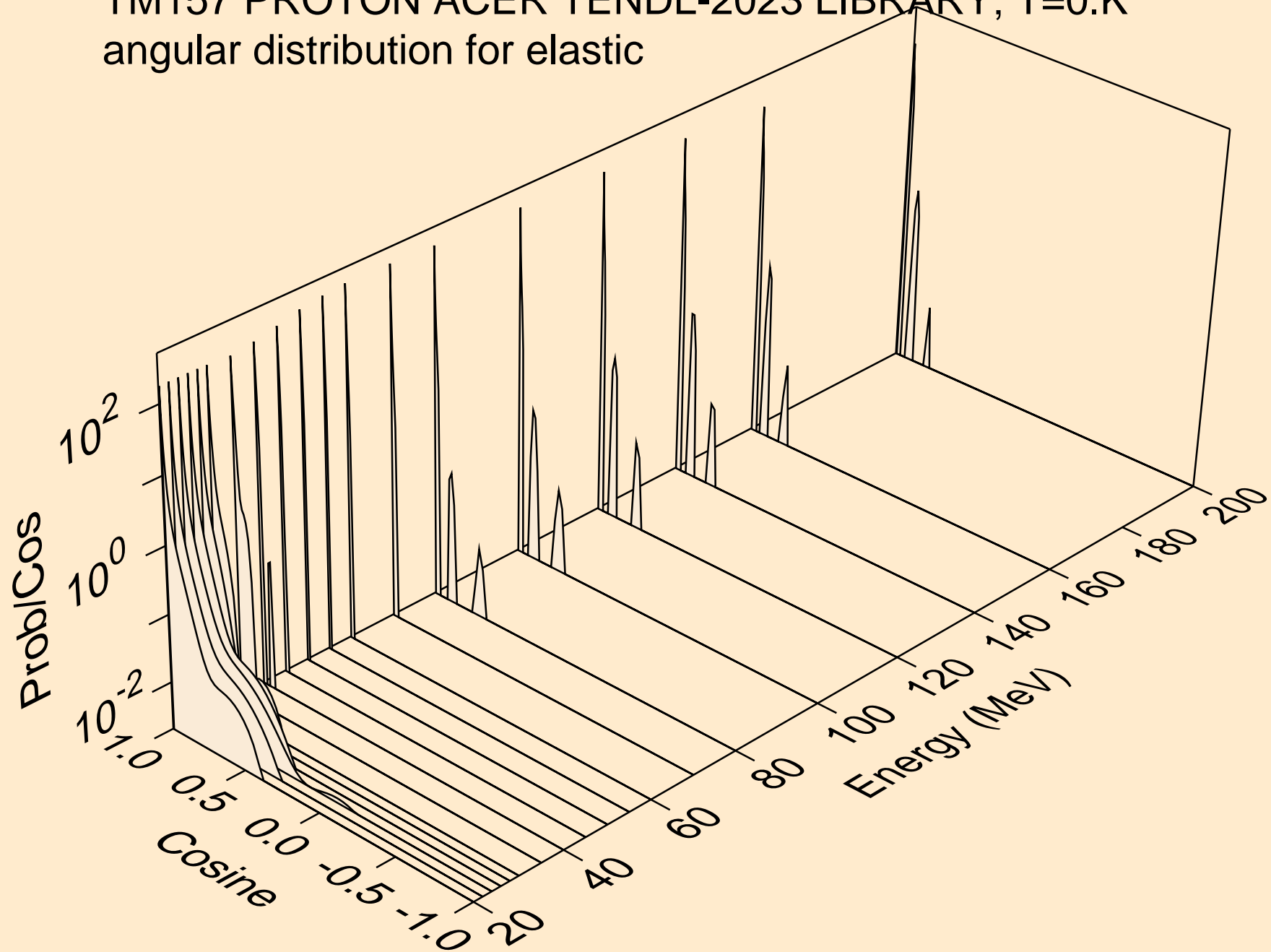


TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

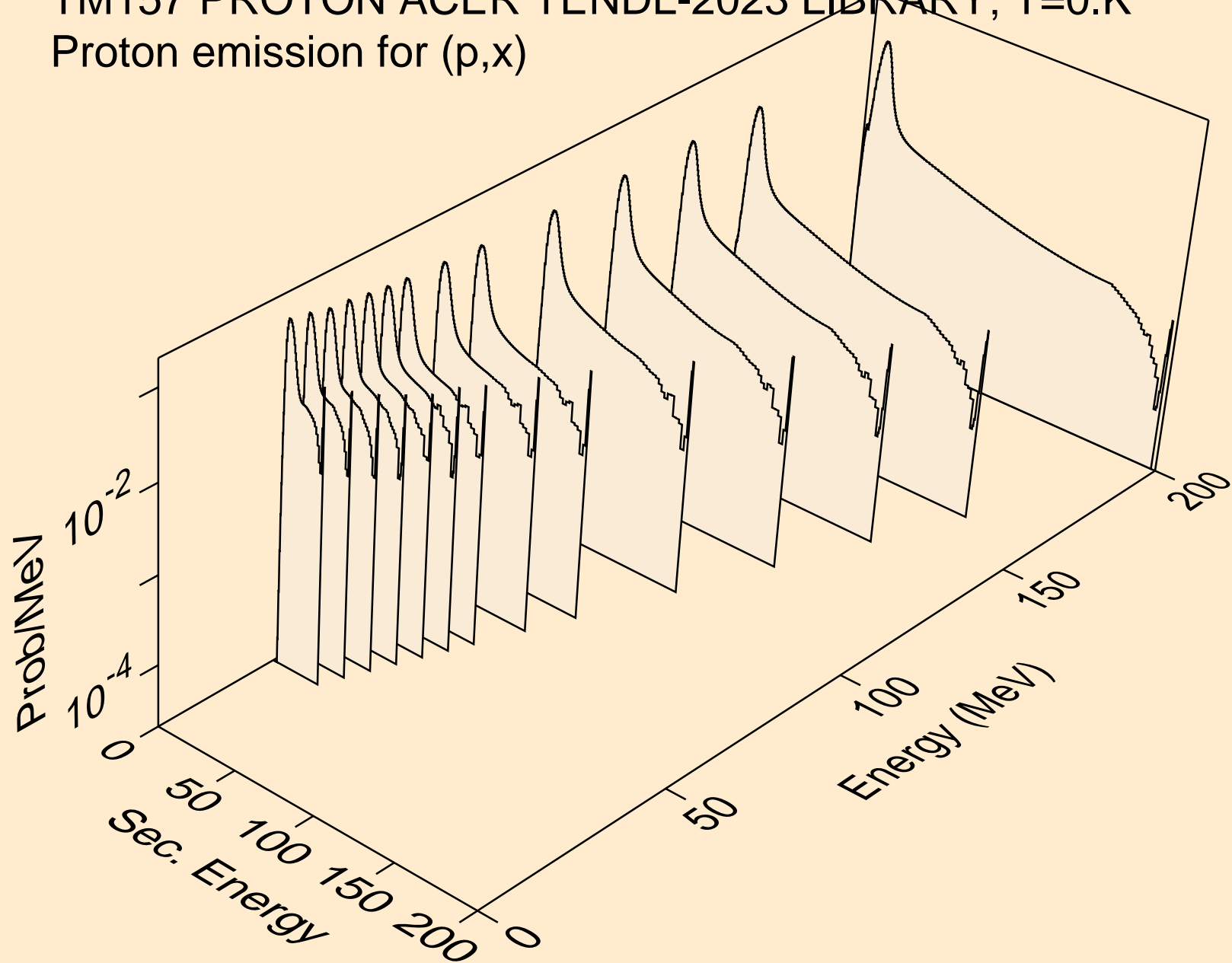




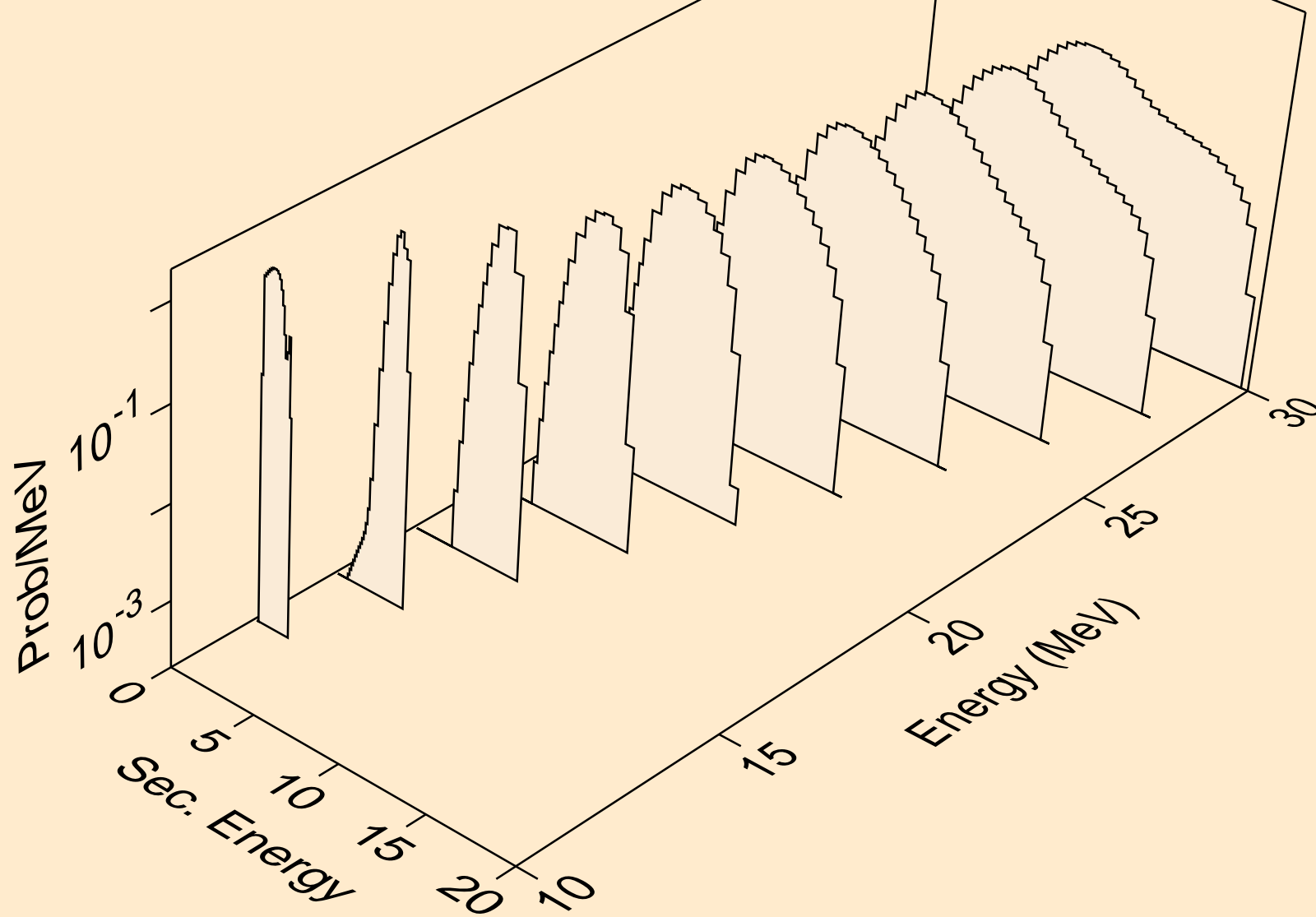
TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



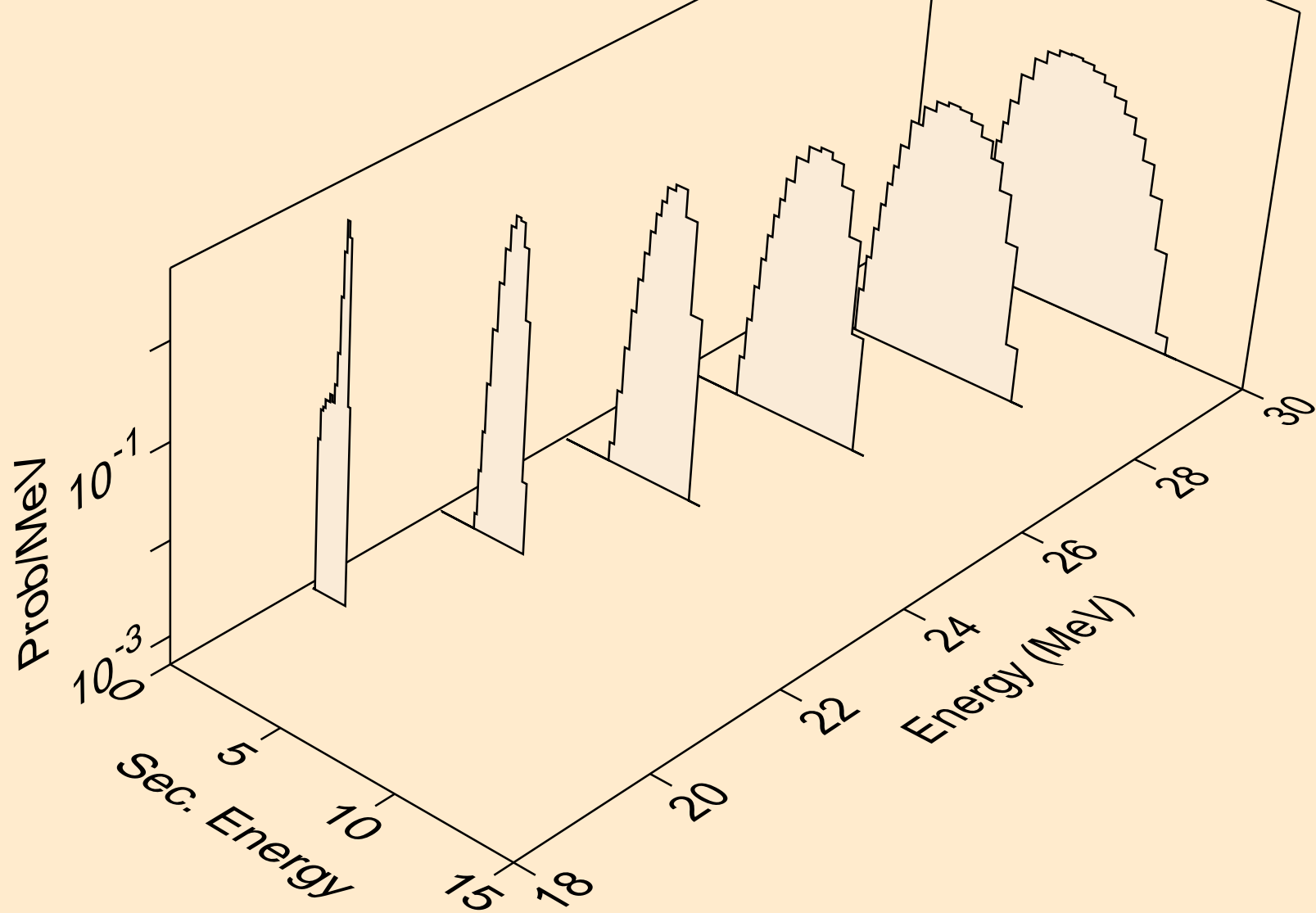
TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



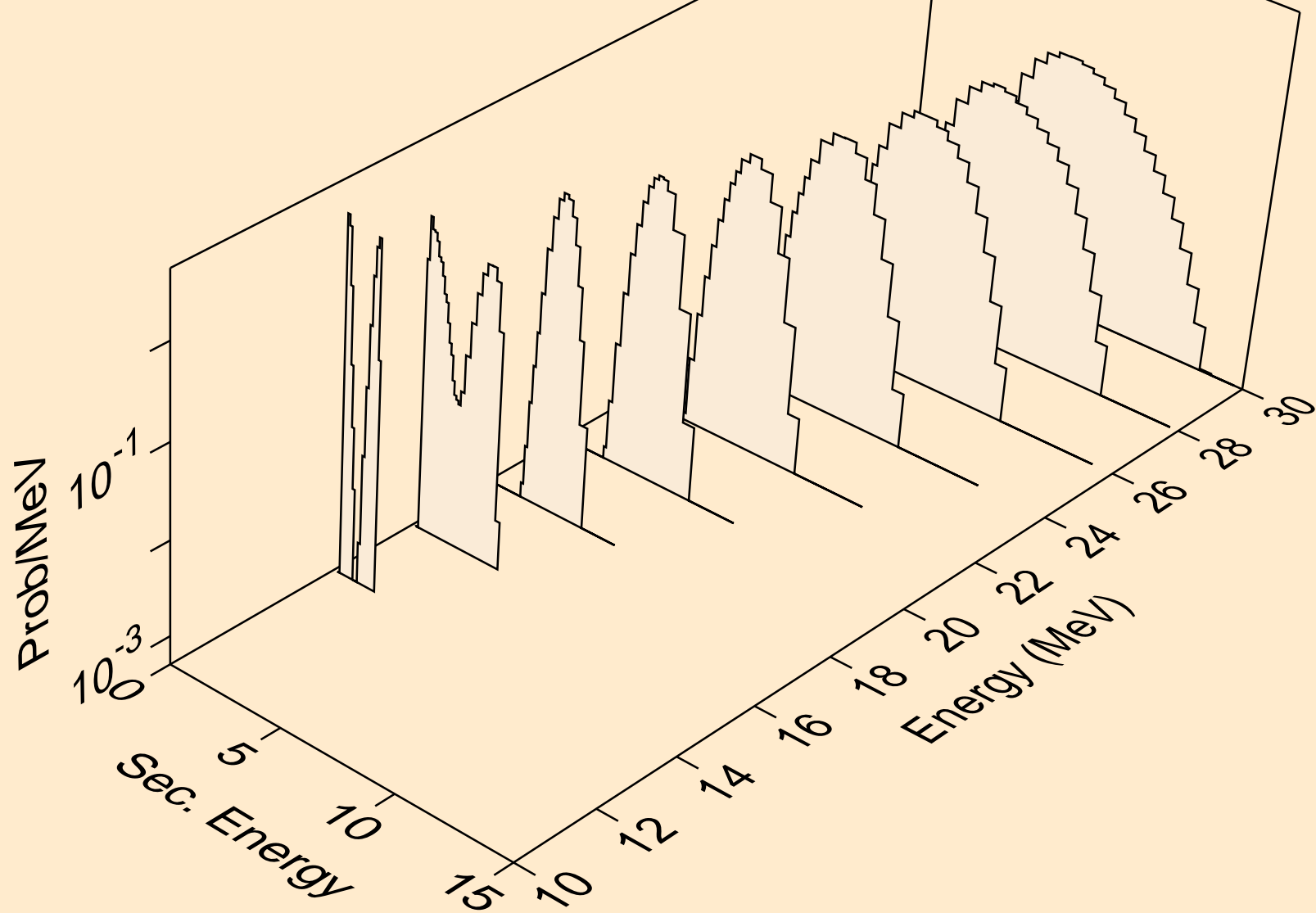
TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



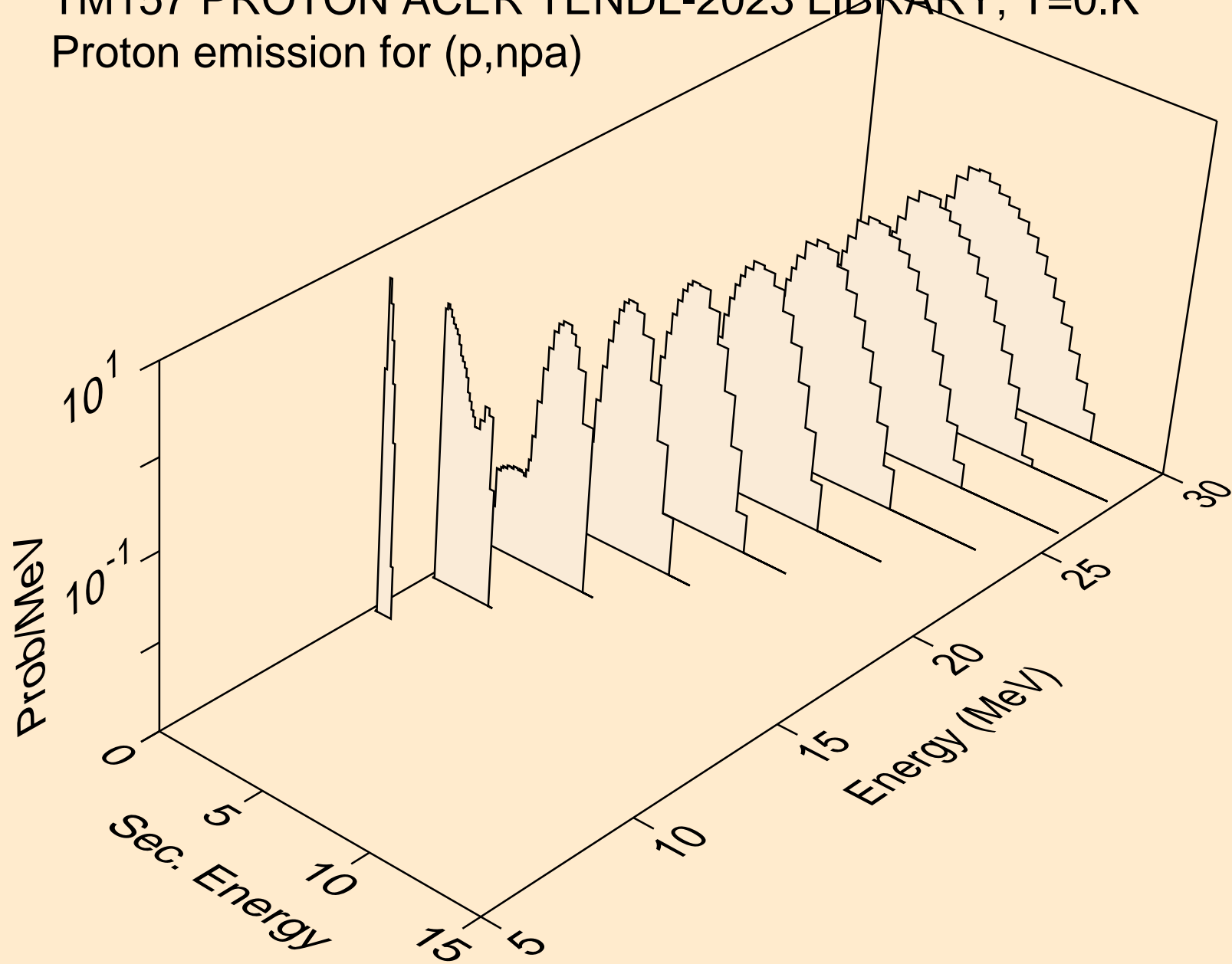
TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



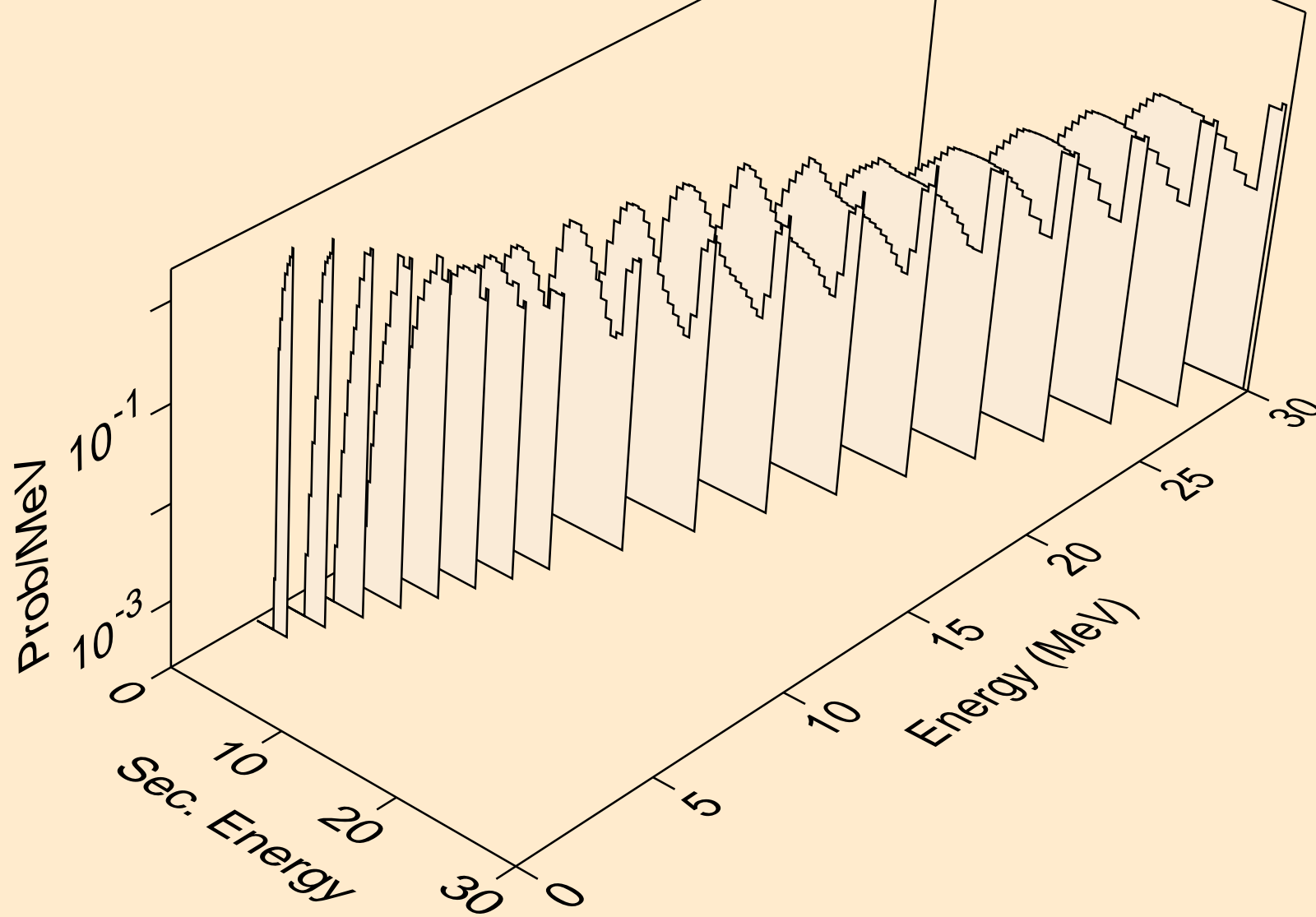
TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)



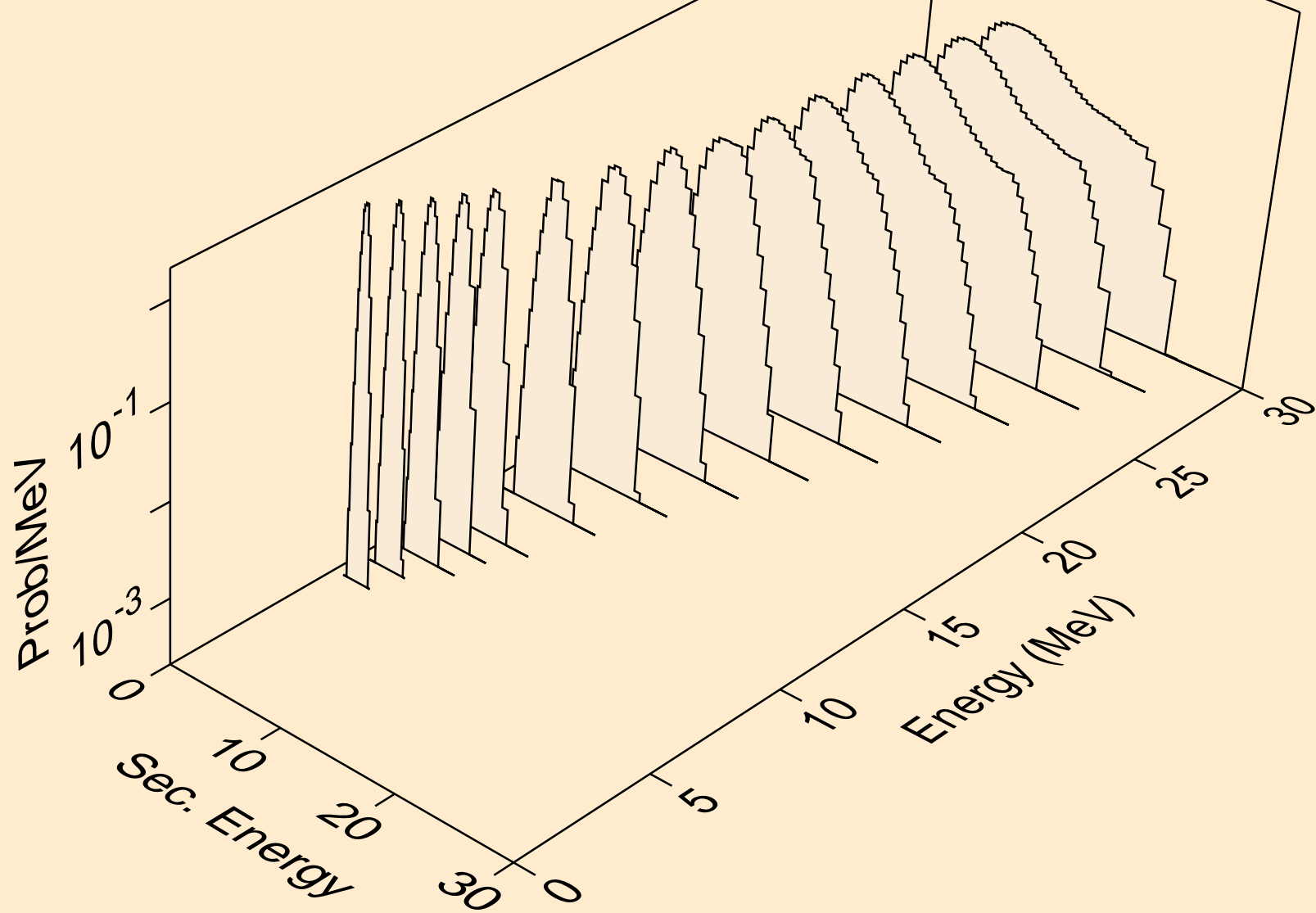
TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,npa)



TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

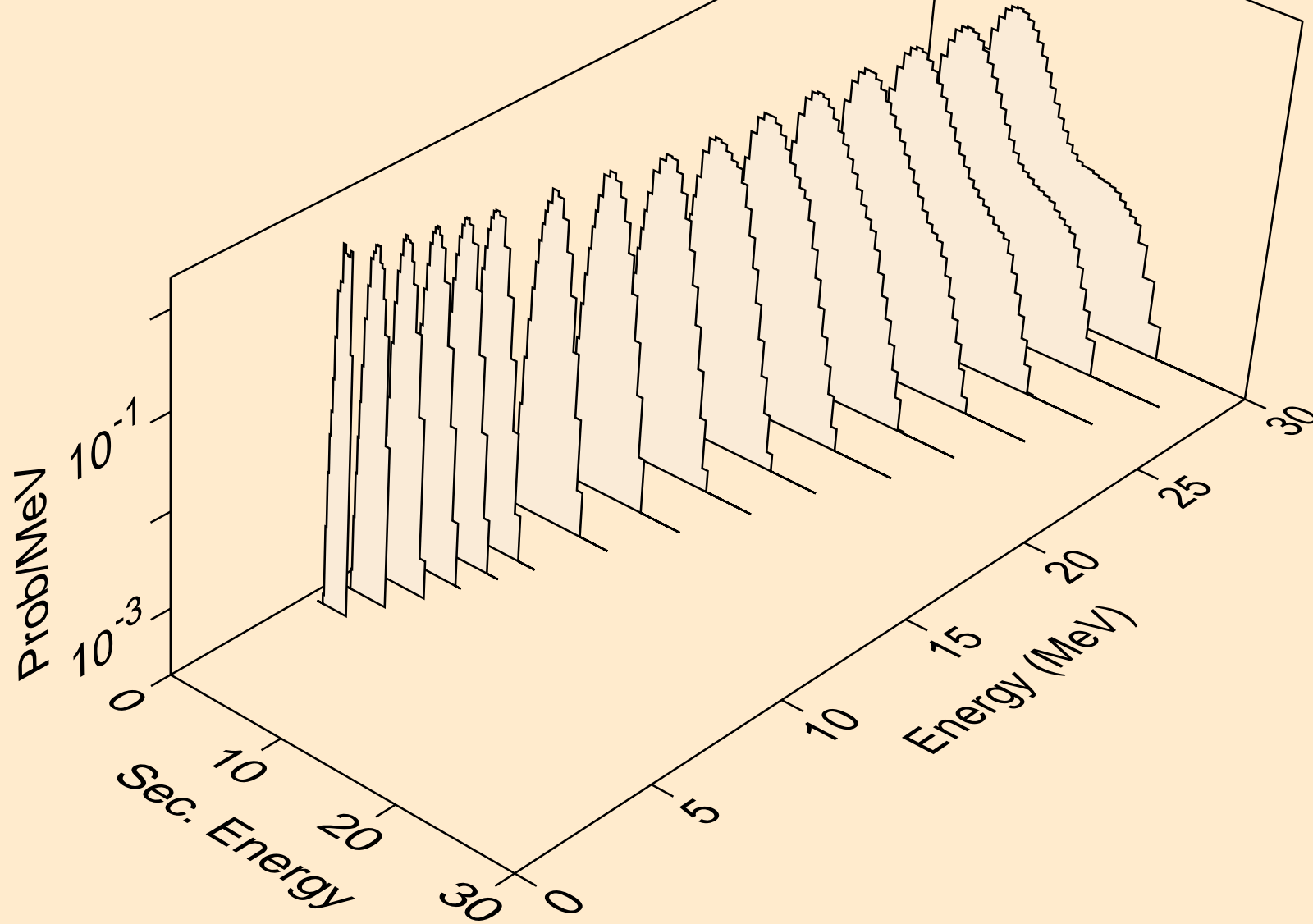


TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2p)

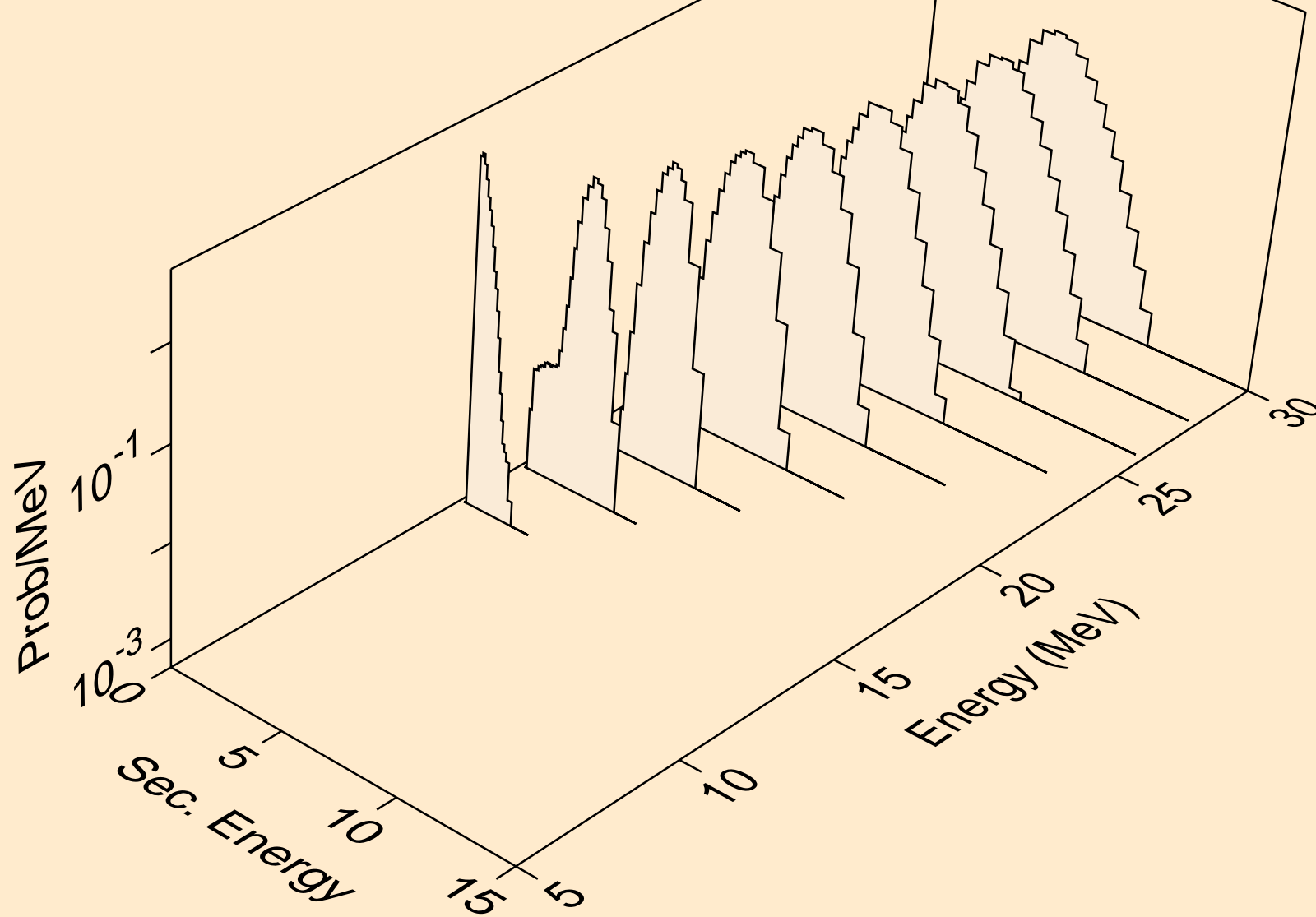




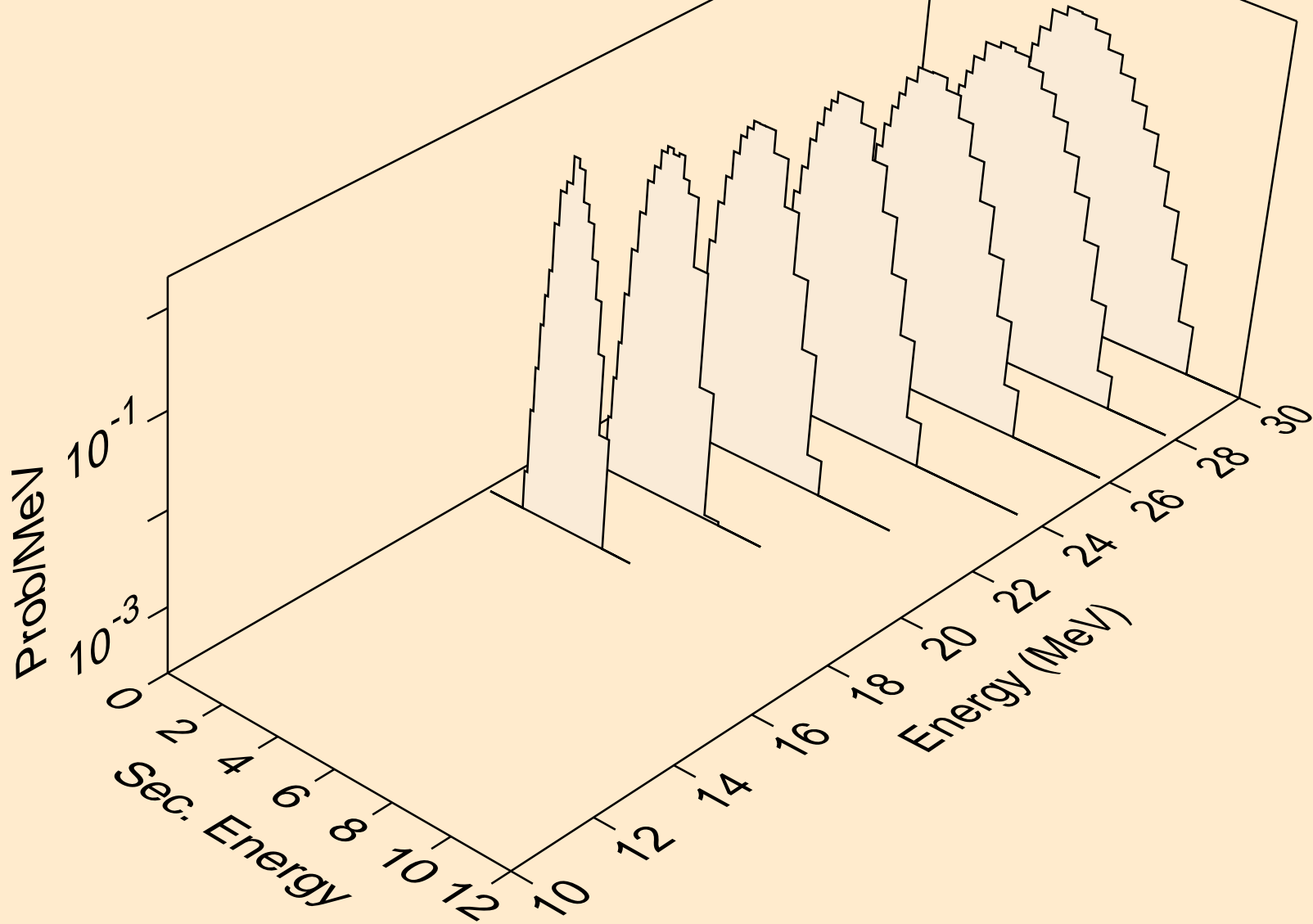
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Proton emission for (p,pa)



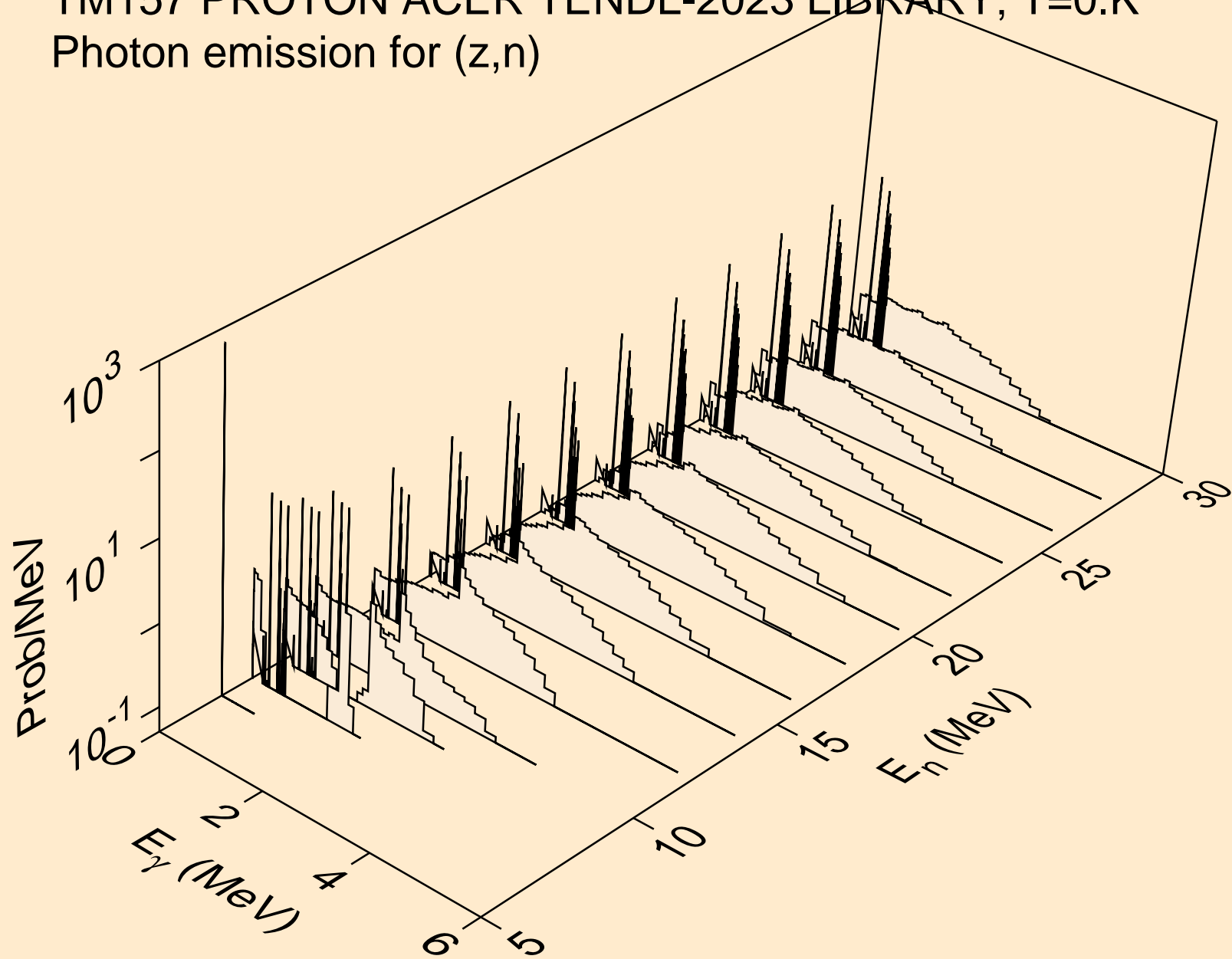
TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pd)



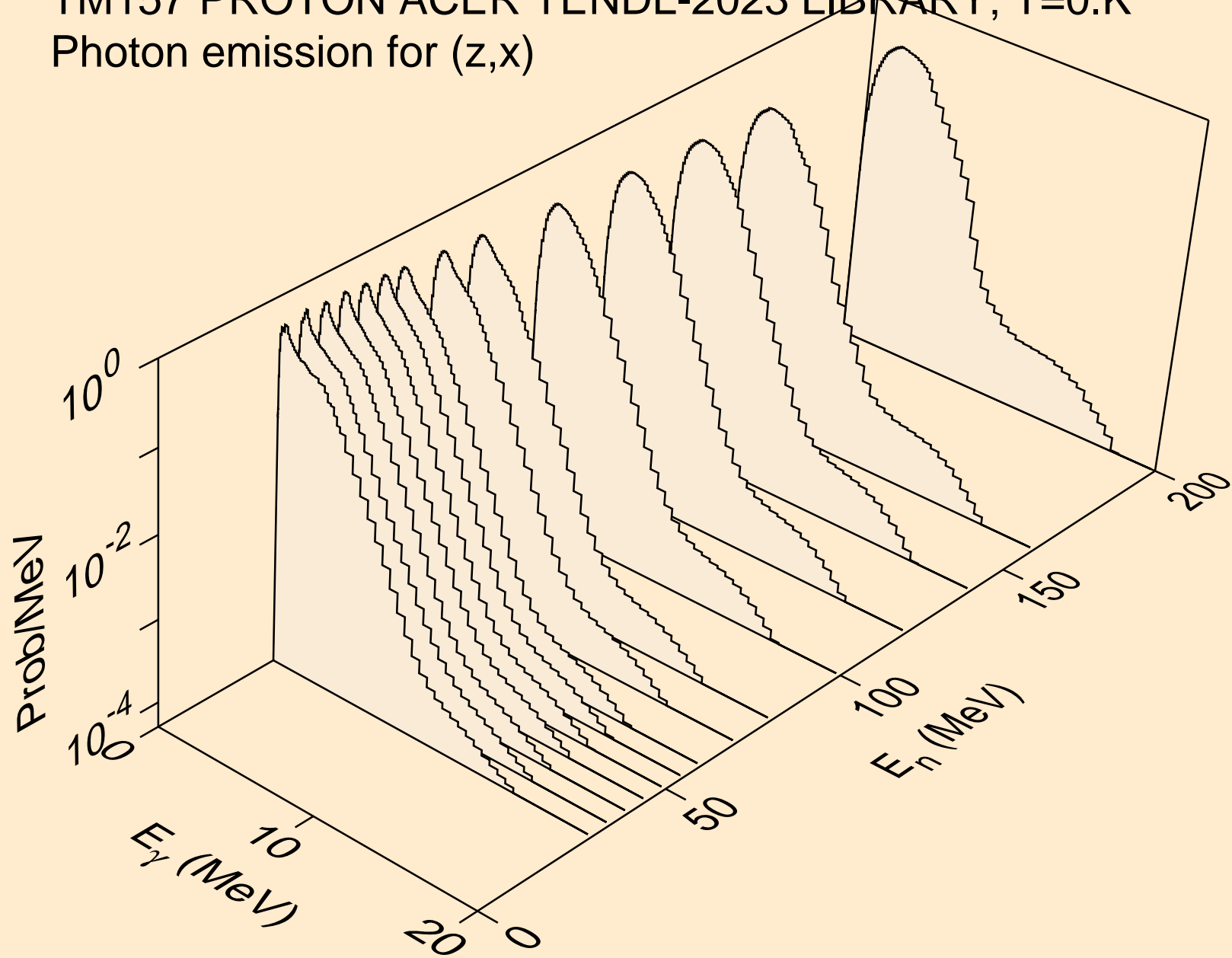
TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pt)



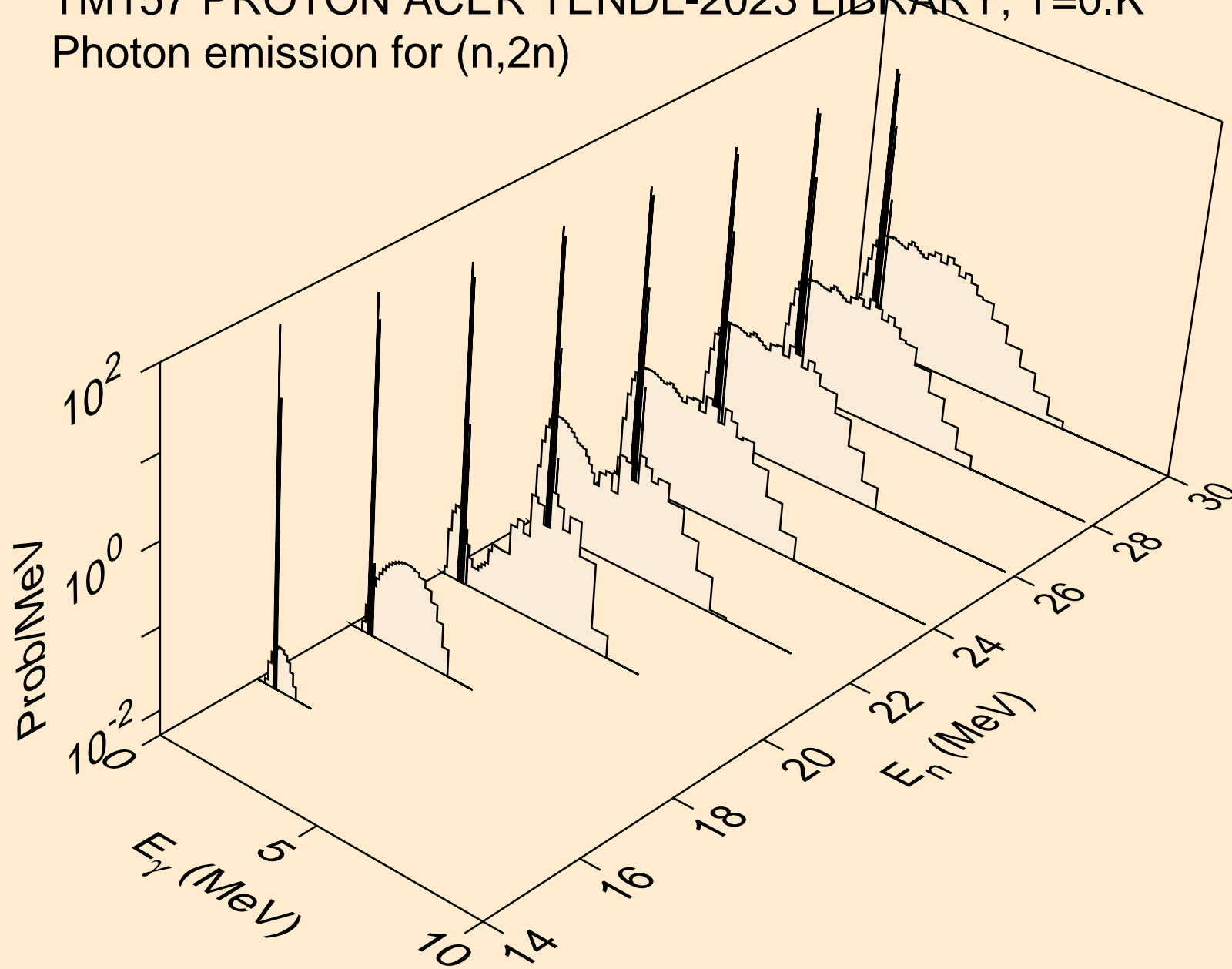
TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



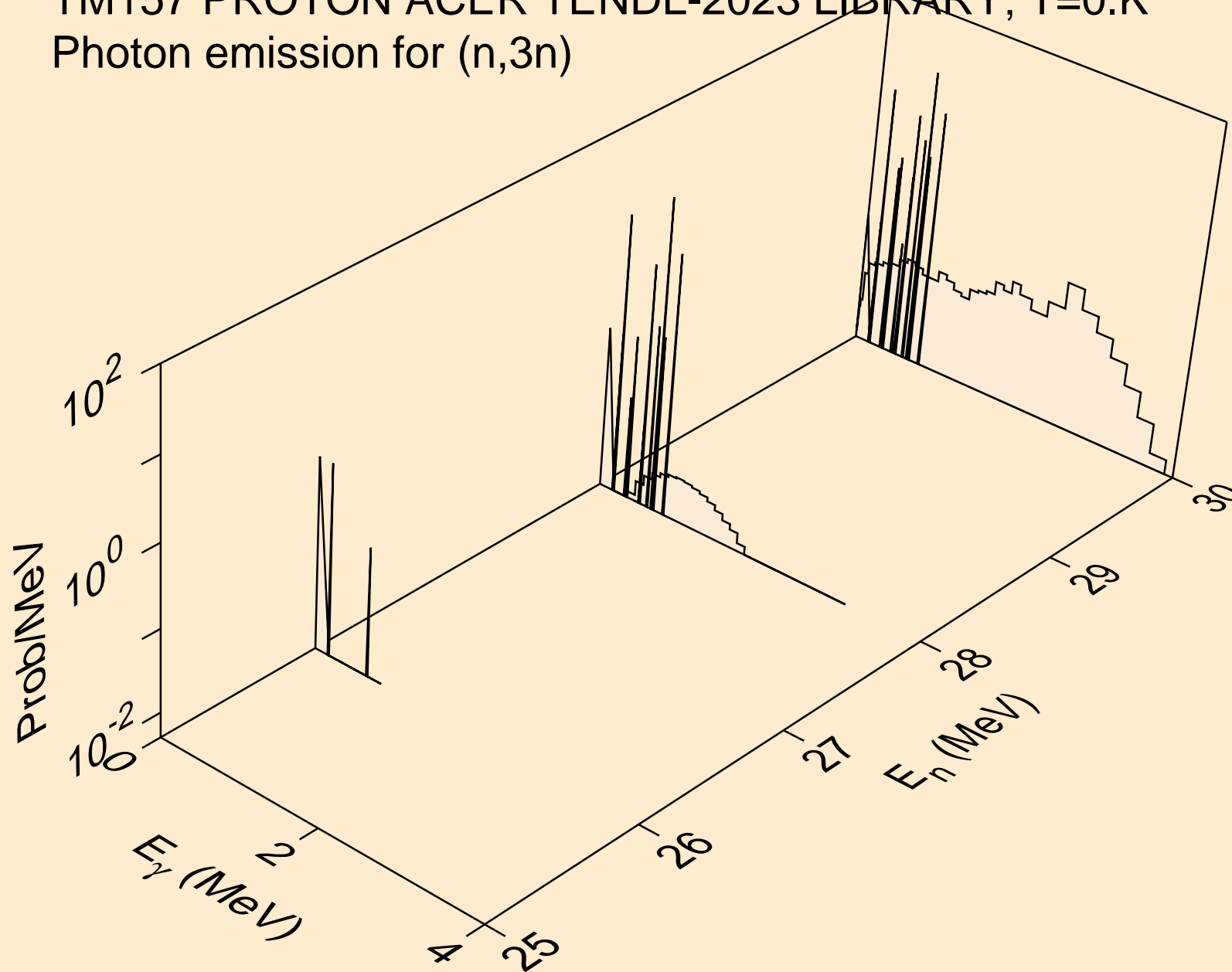
TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



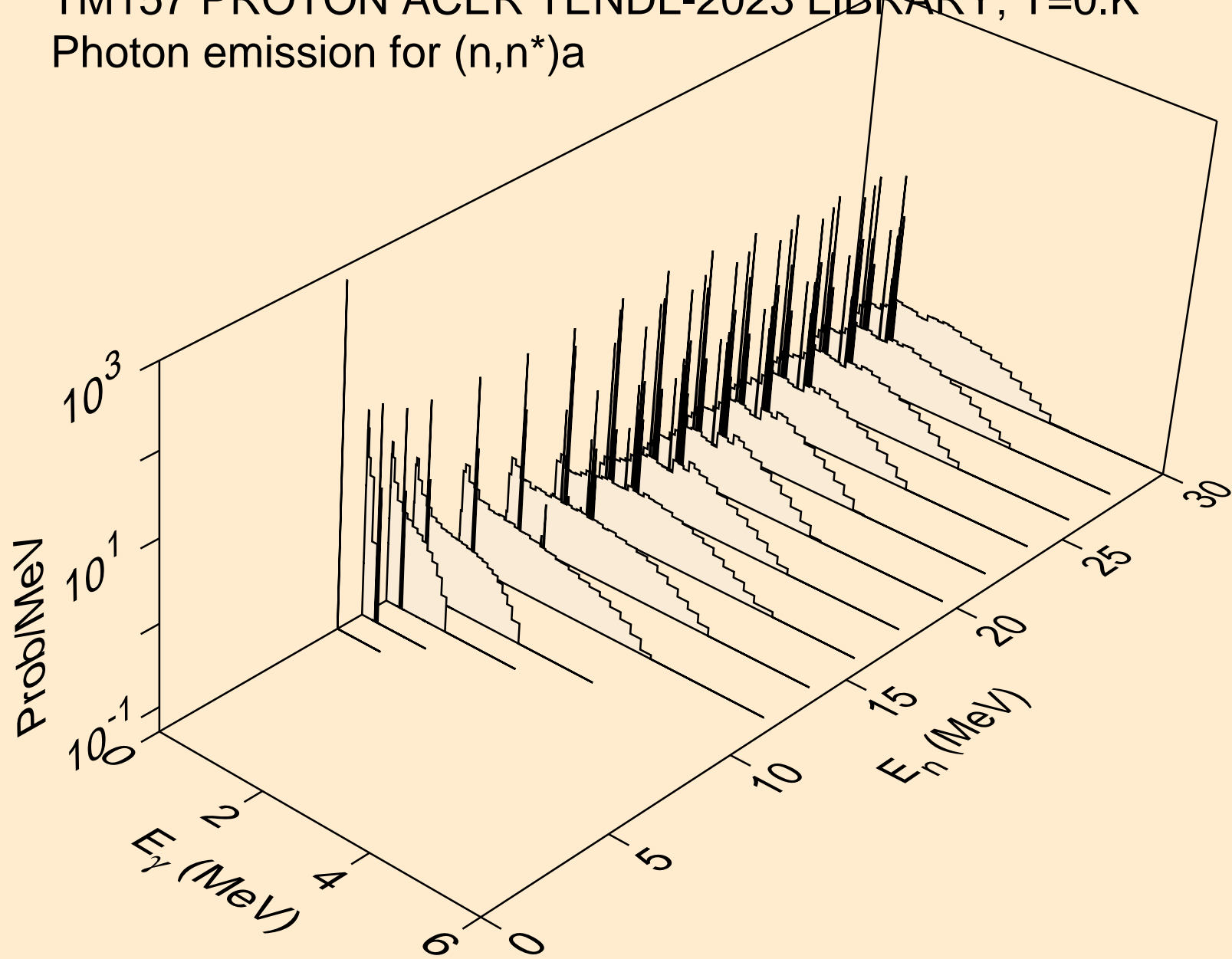
TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)

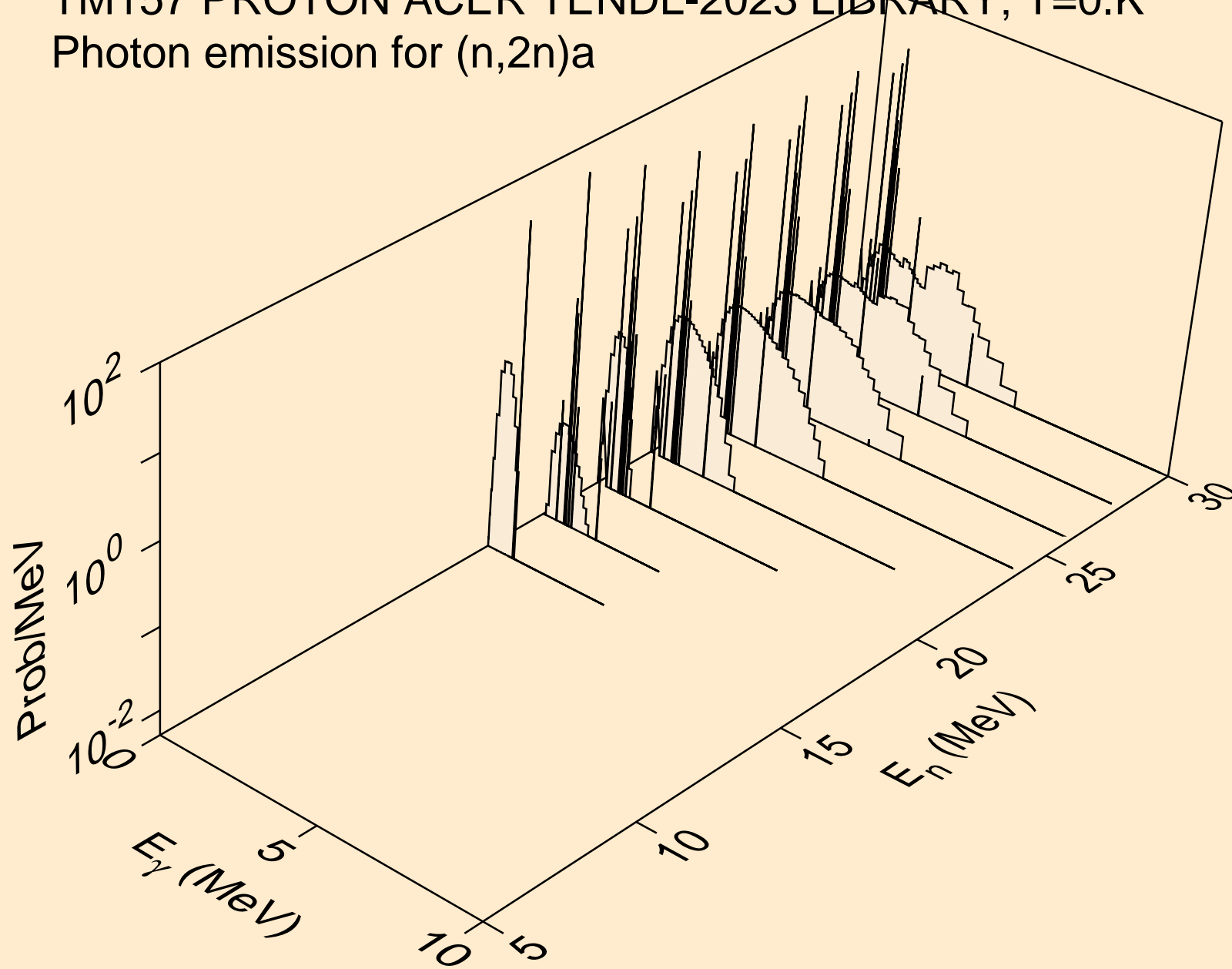


TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

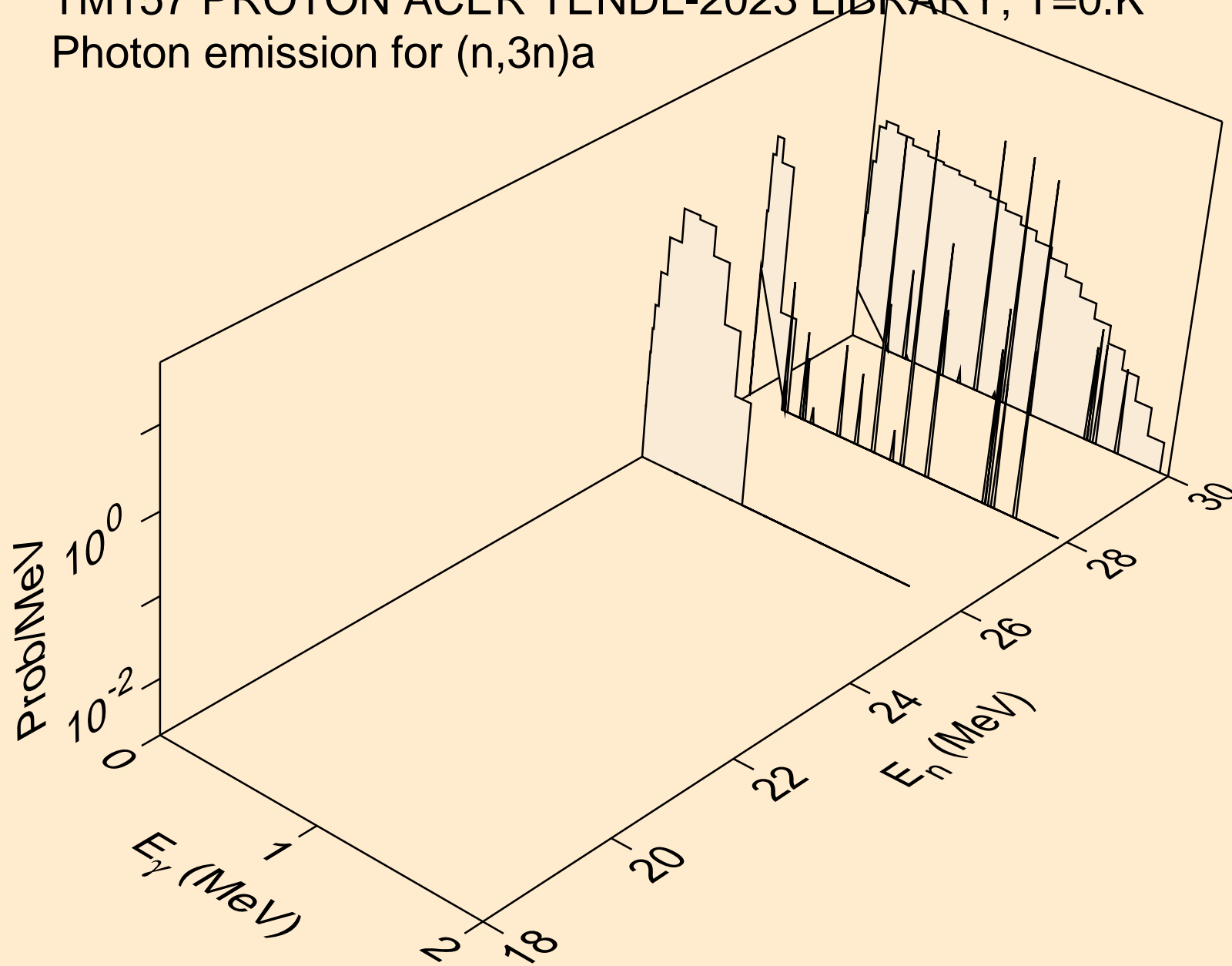




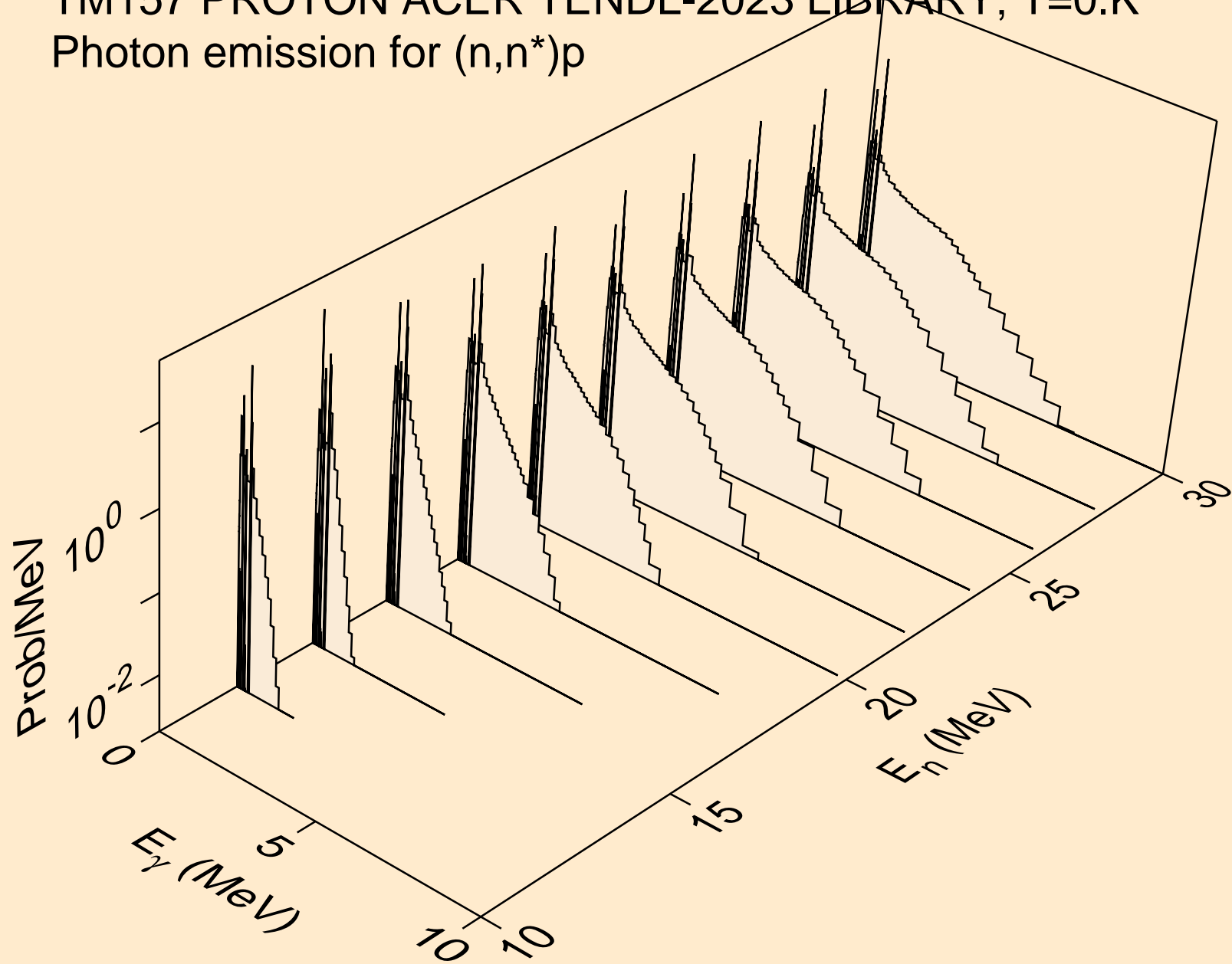
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Photon emission for (n,2n)a



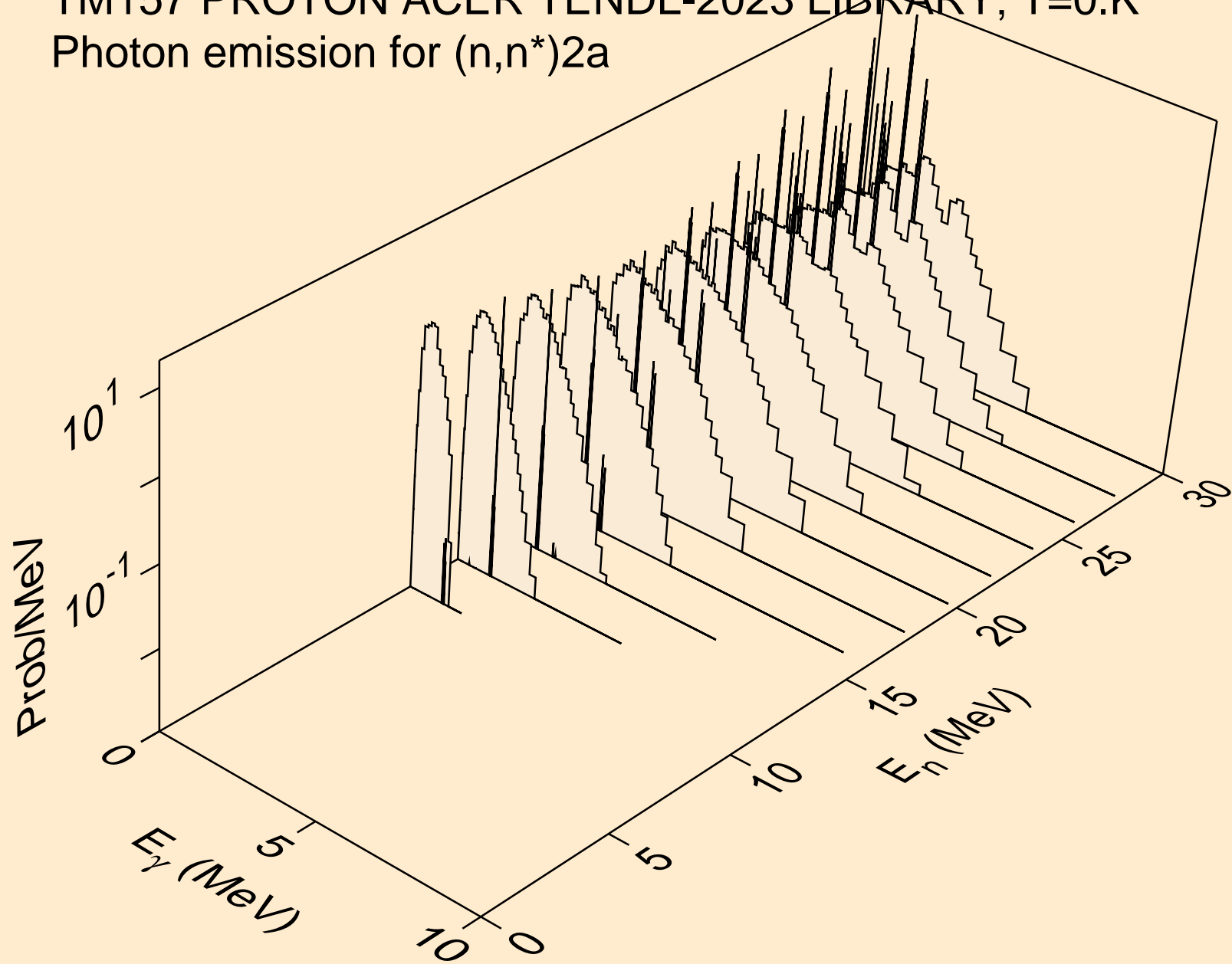
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Photon emission for (n,3n)a



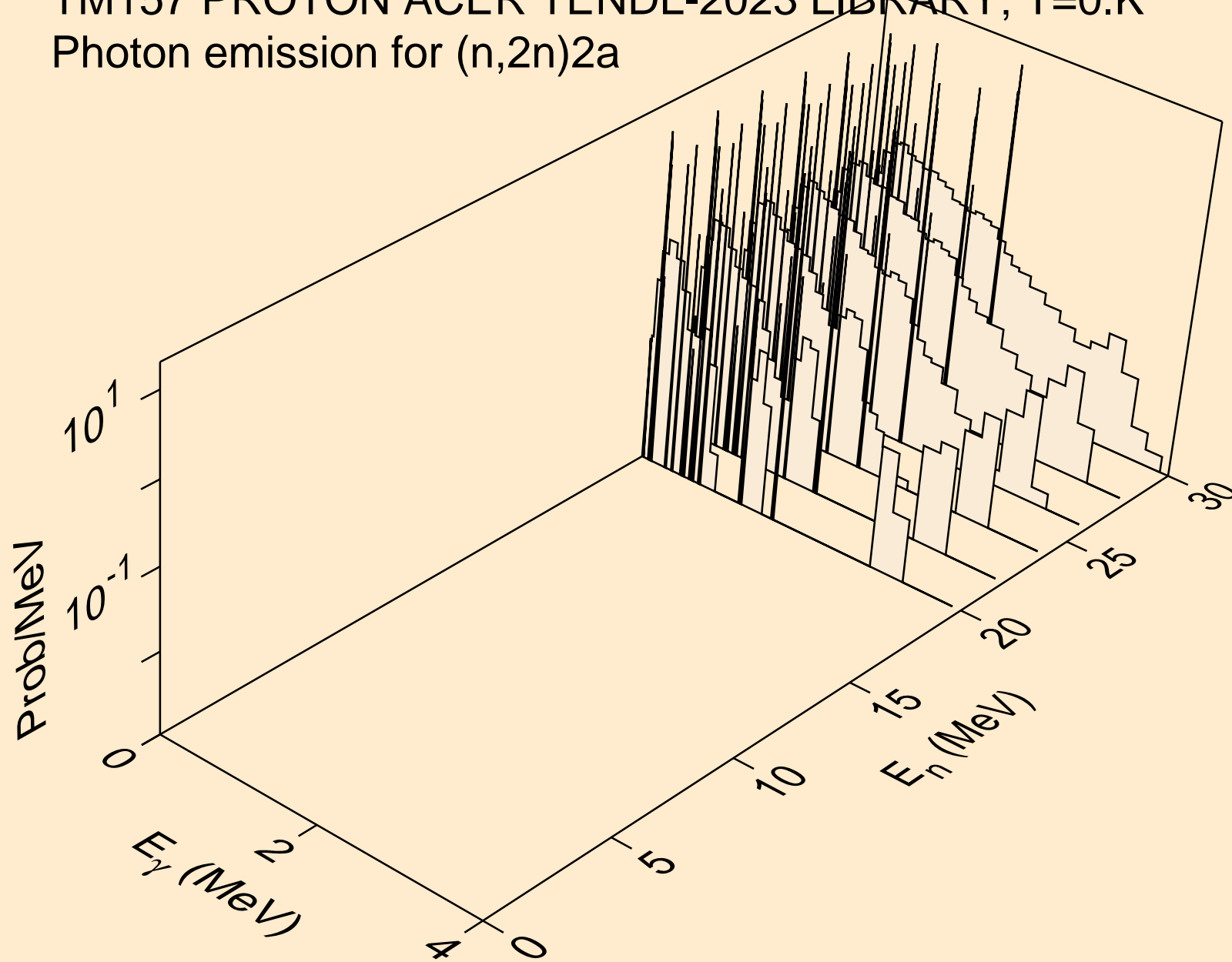
TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



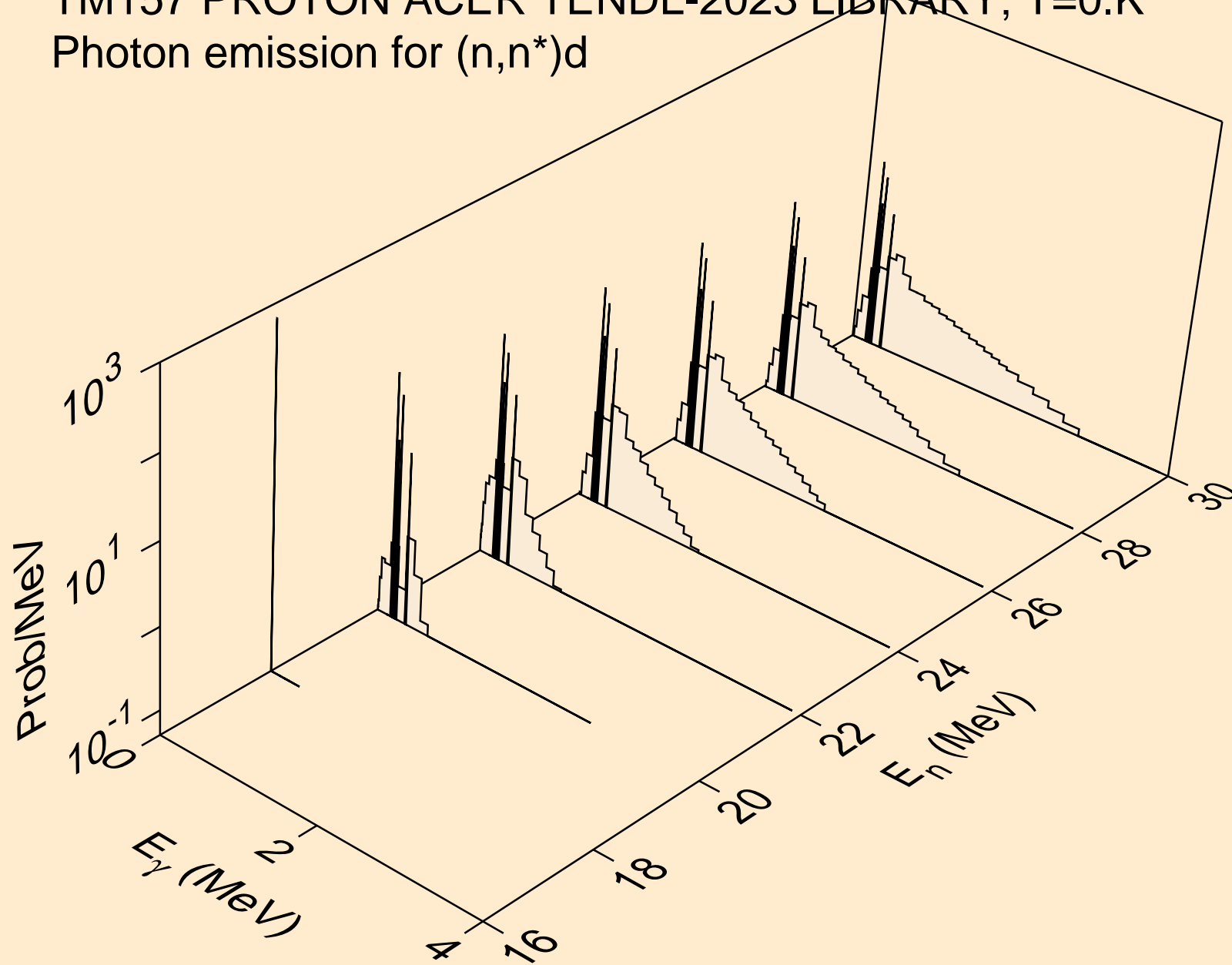
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Photon emission for (n,n\*)2a



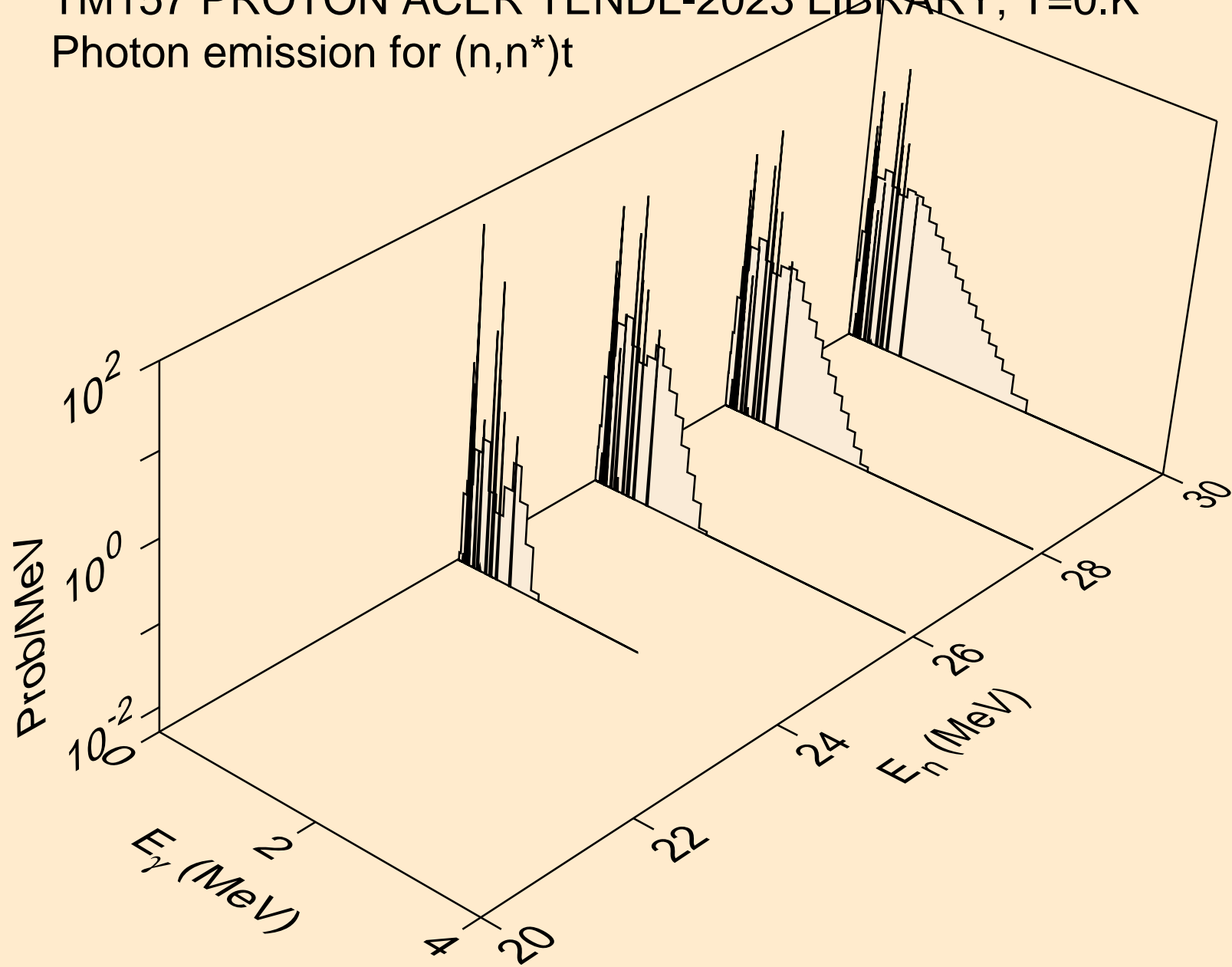
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Photon emission for (n,2n)2a



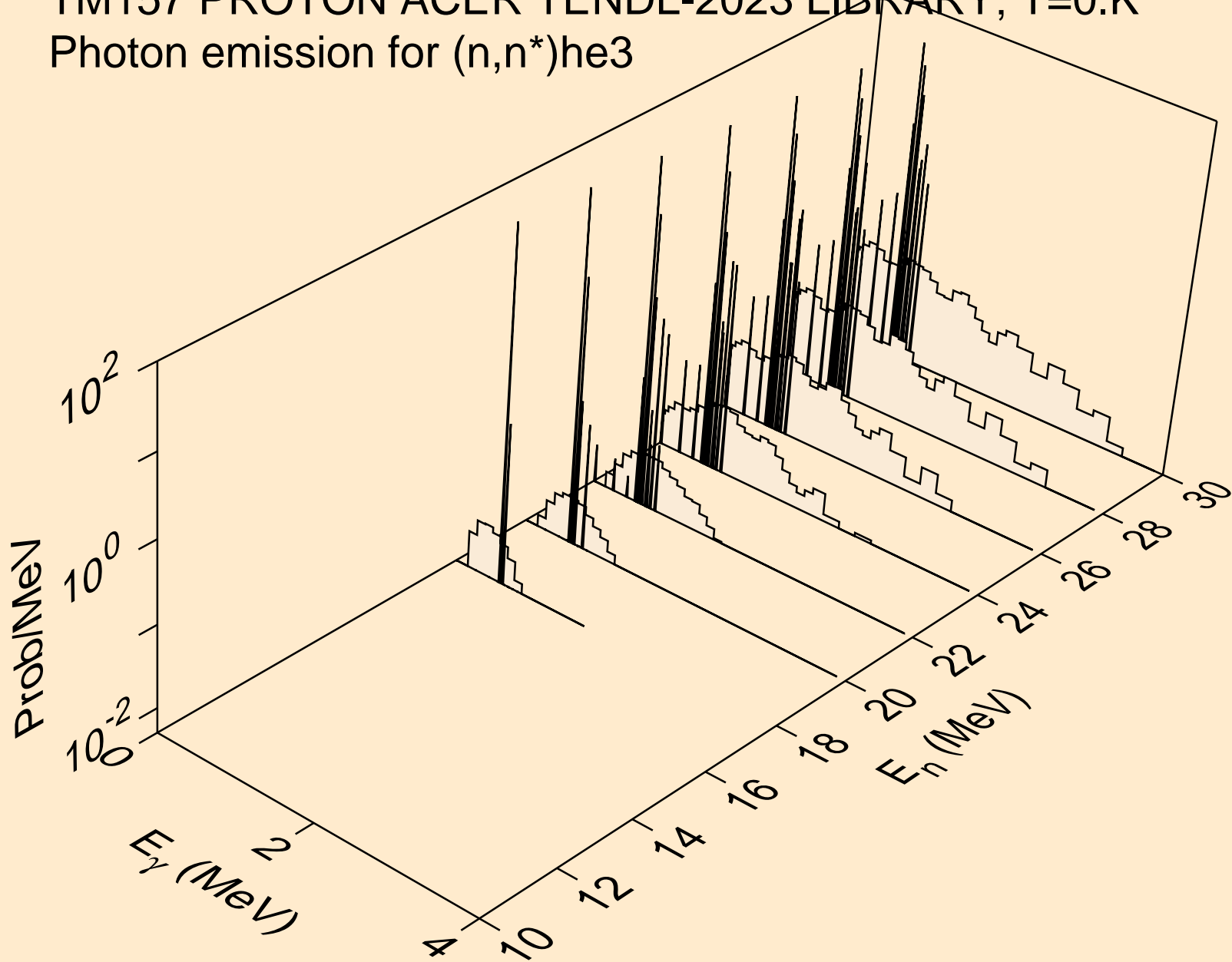
TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

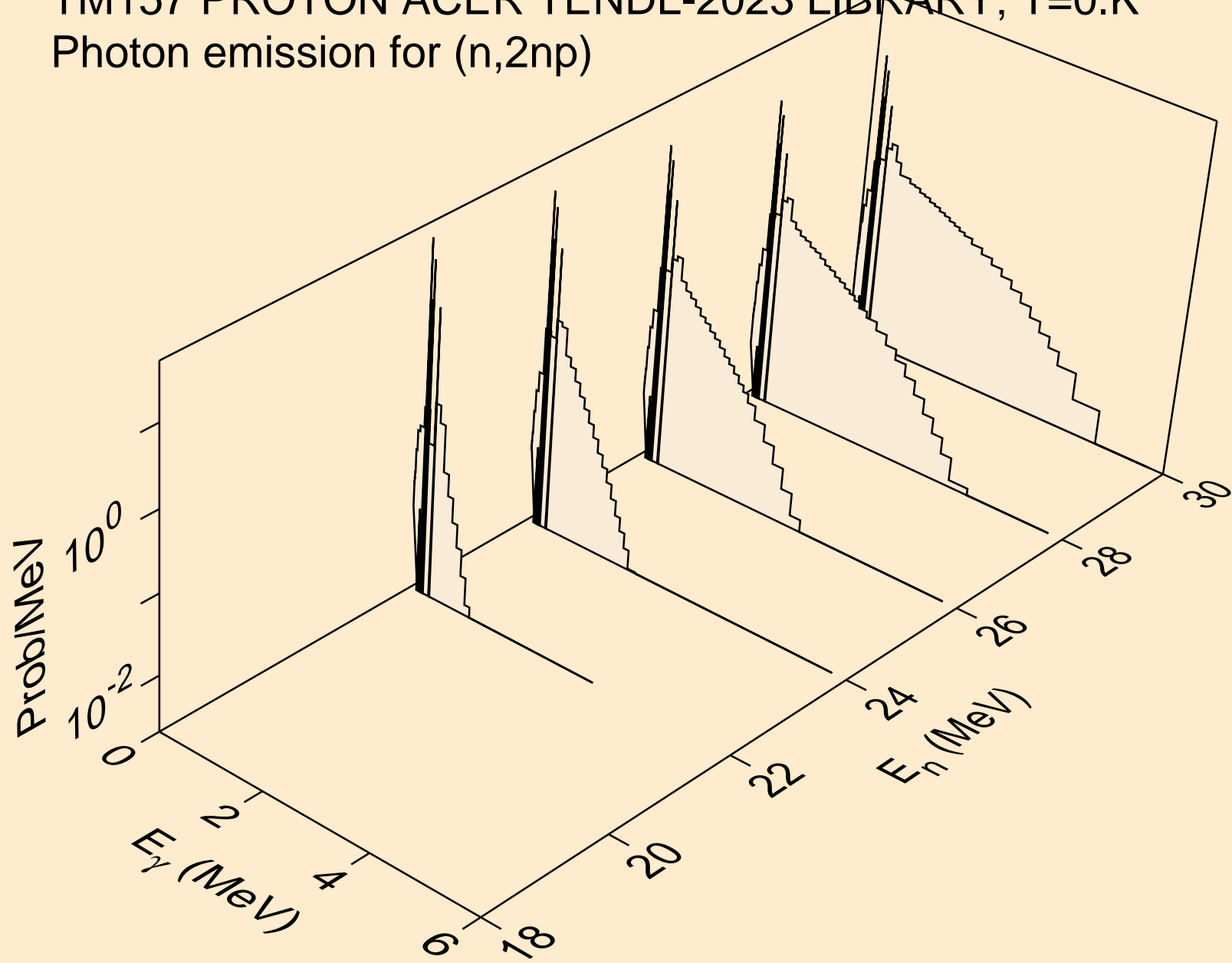


TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

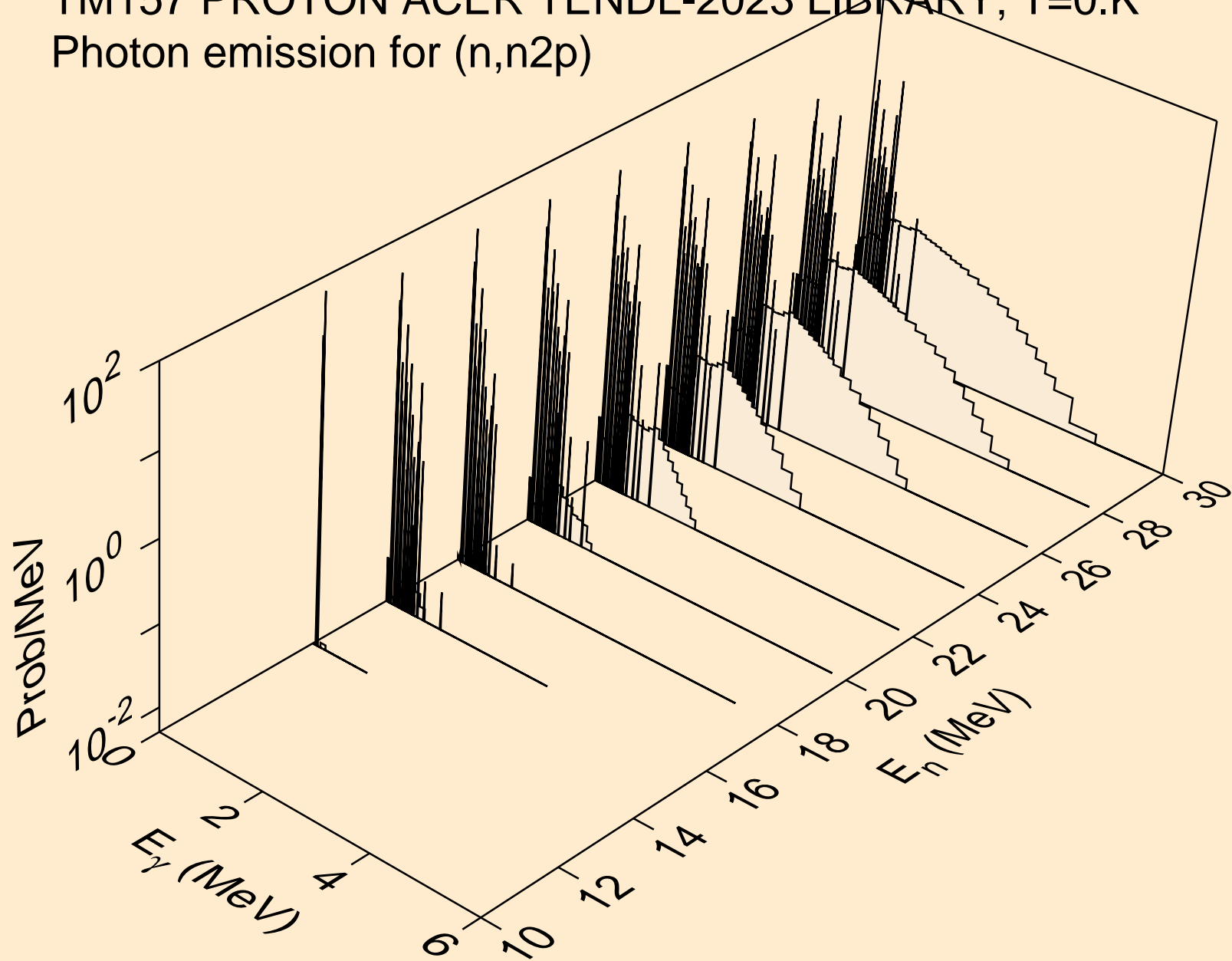




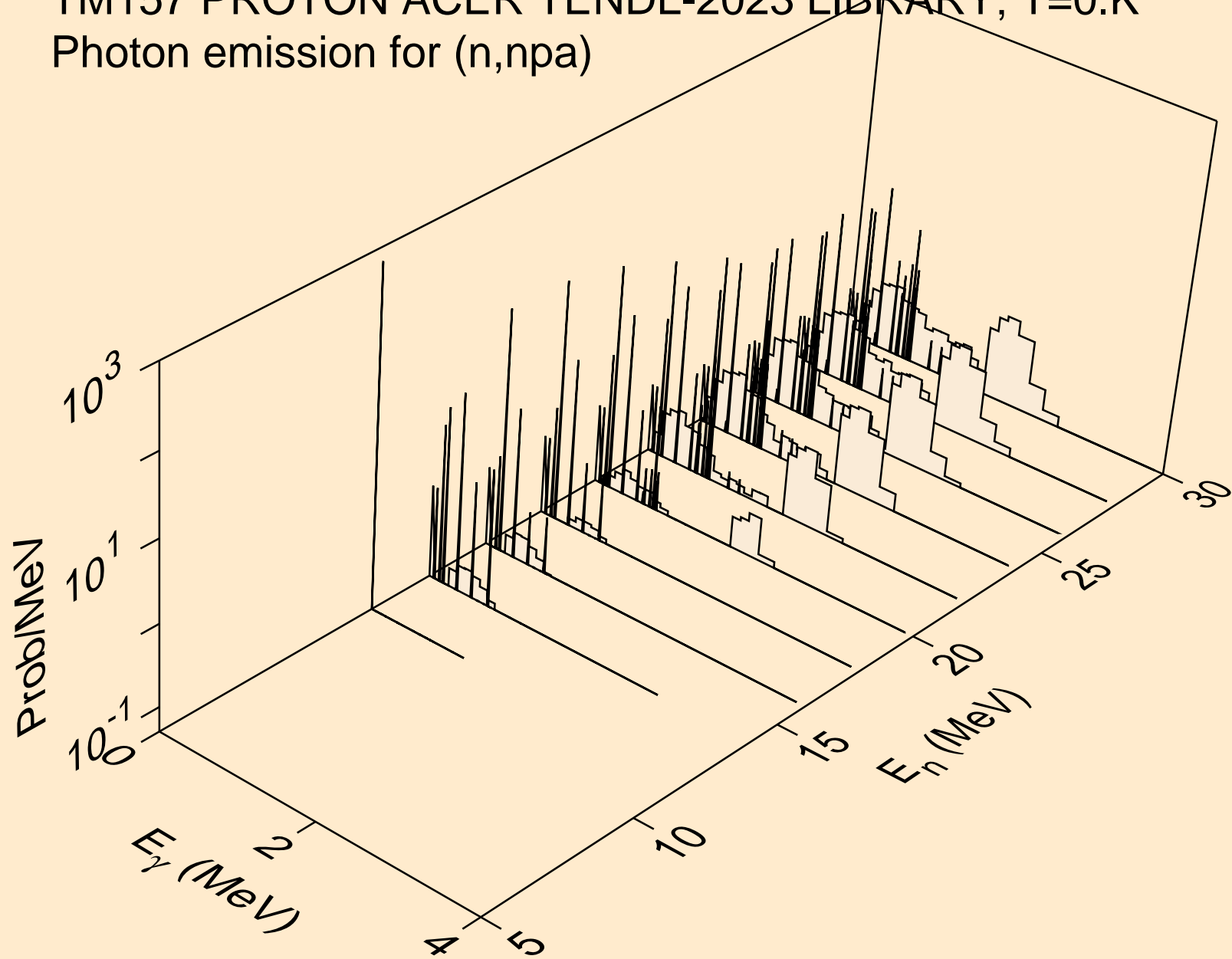
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Photon emission for (n,2np)



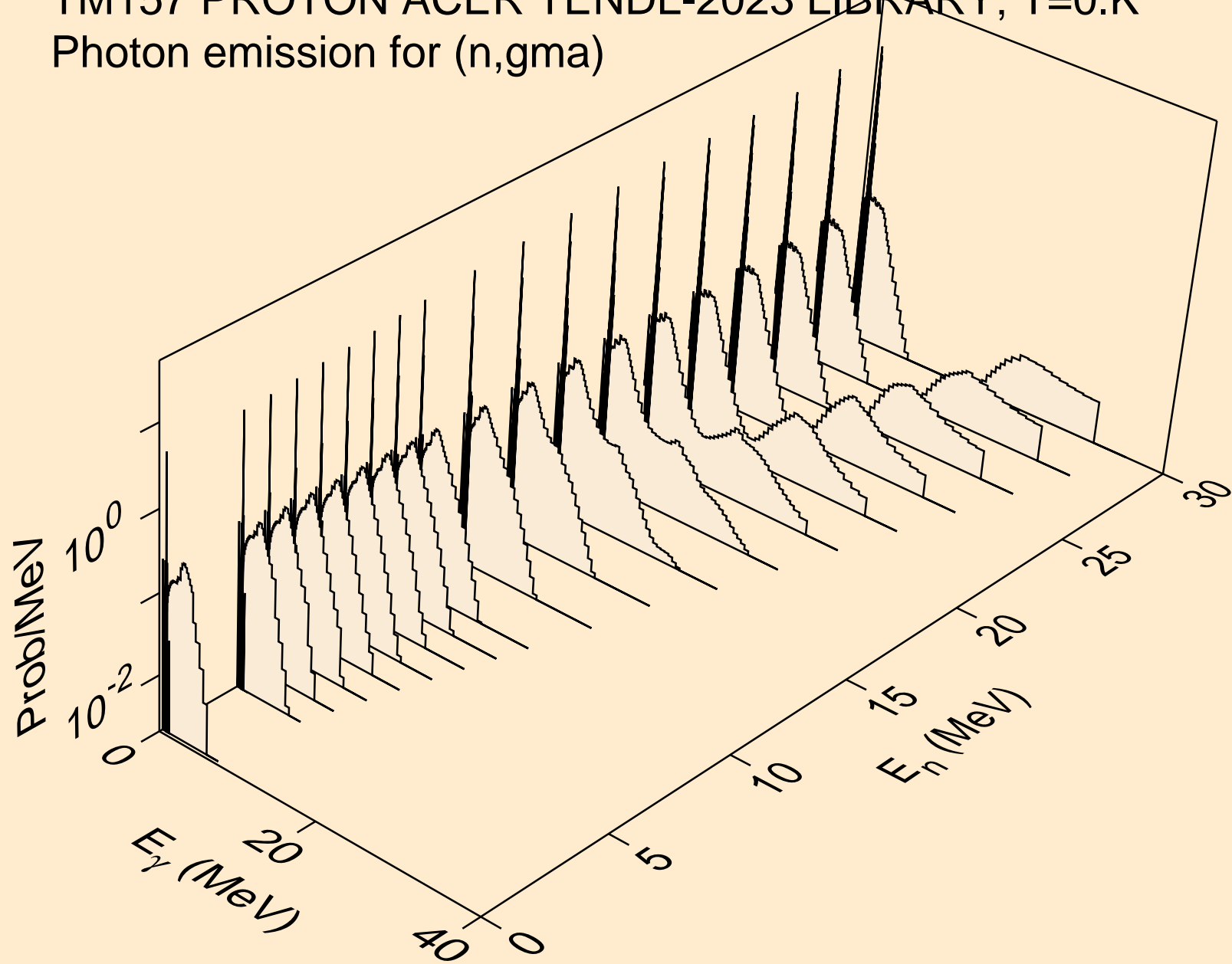
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Photon emission for (n,n2p)



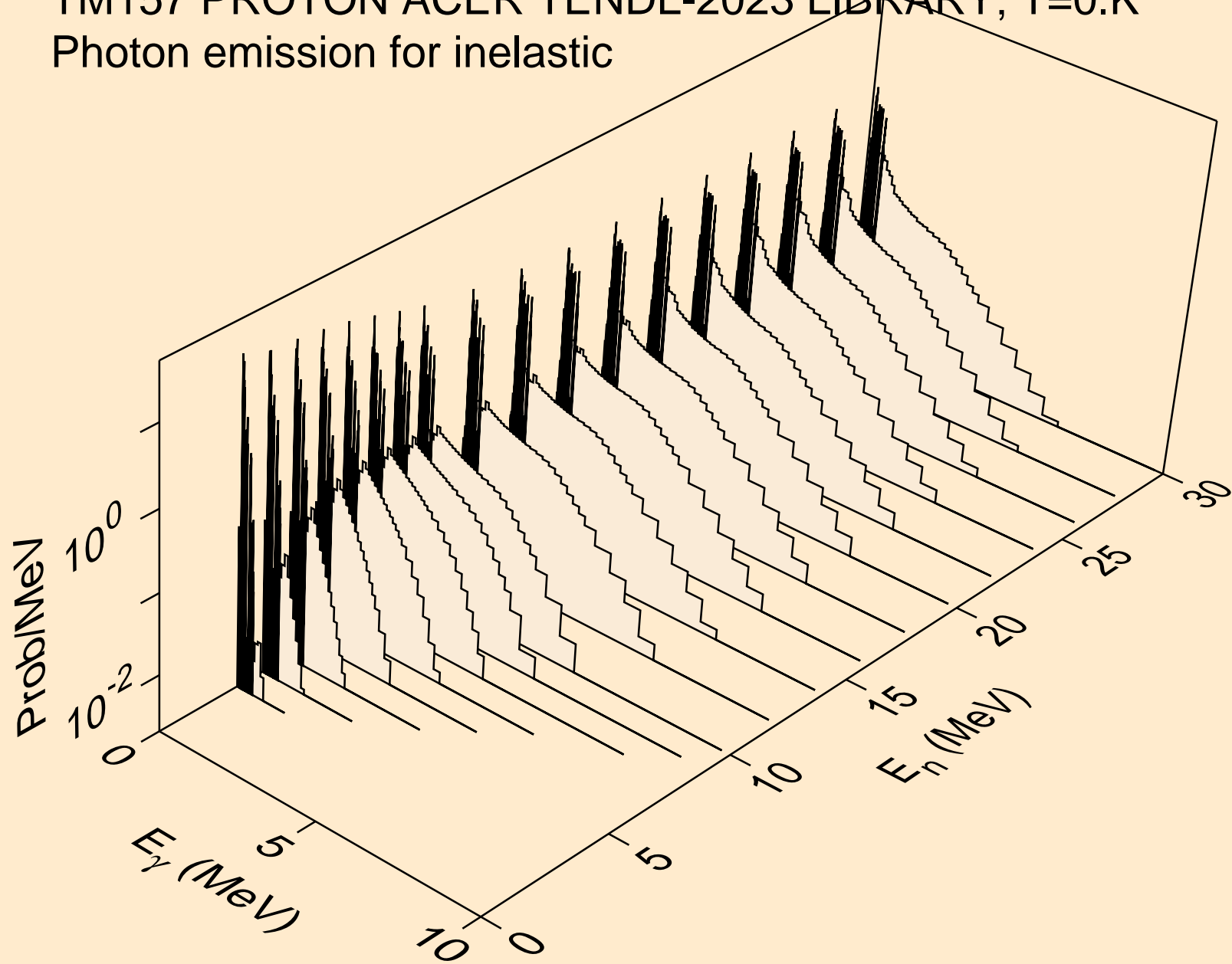
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Photon emission for (n,npa)



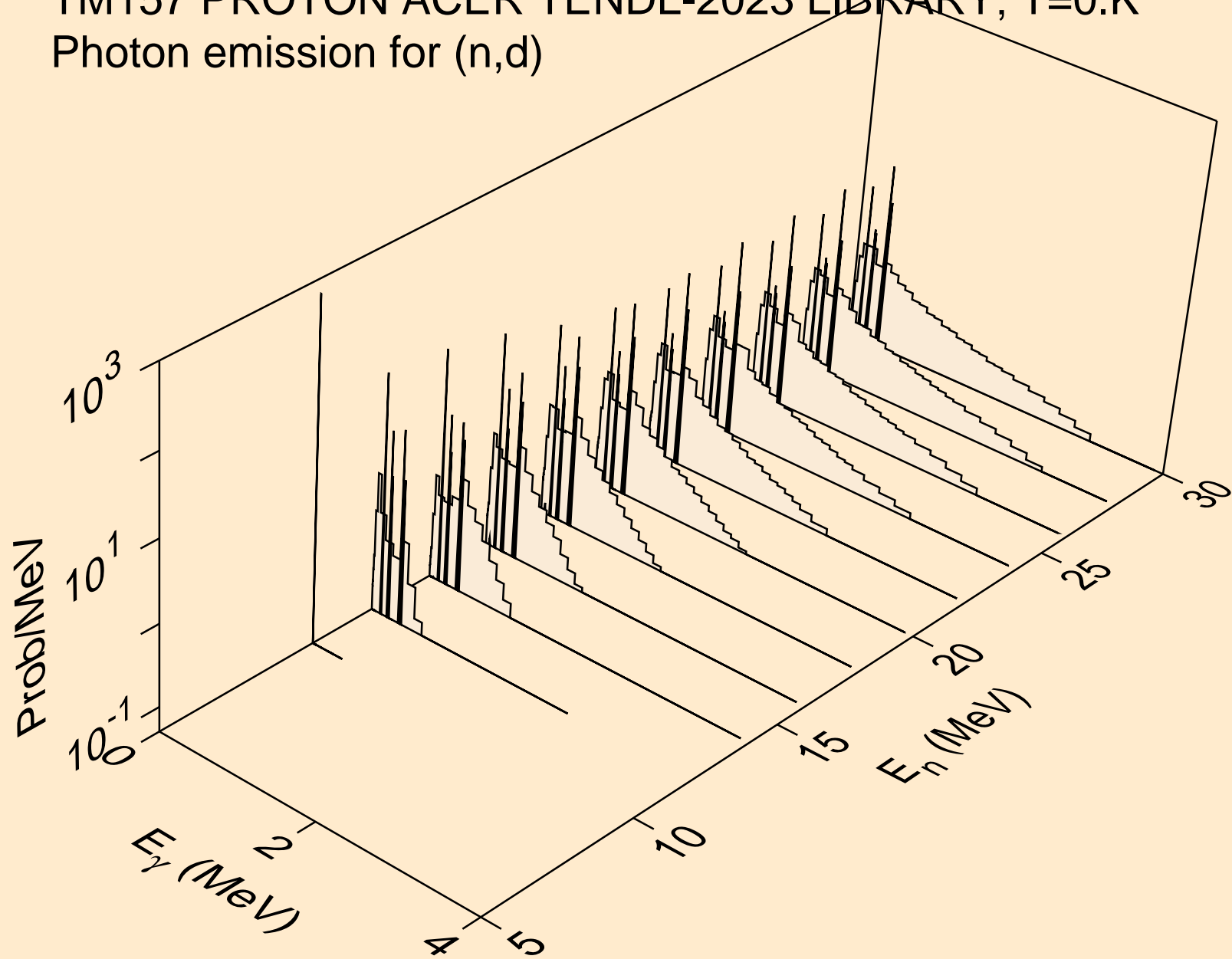
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Photon emission for (n,gma)



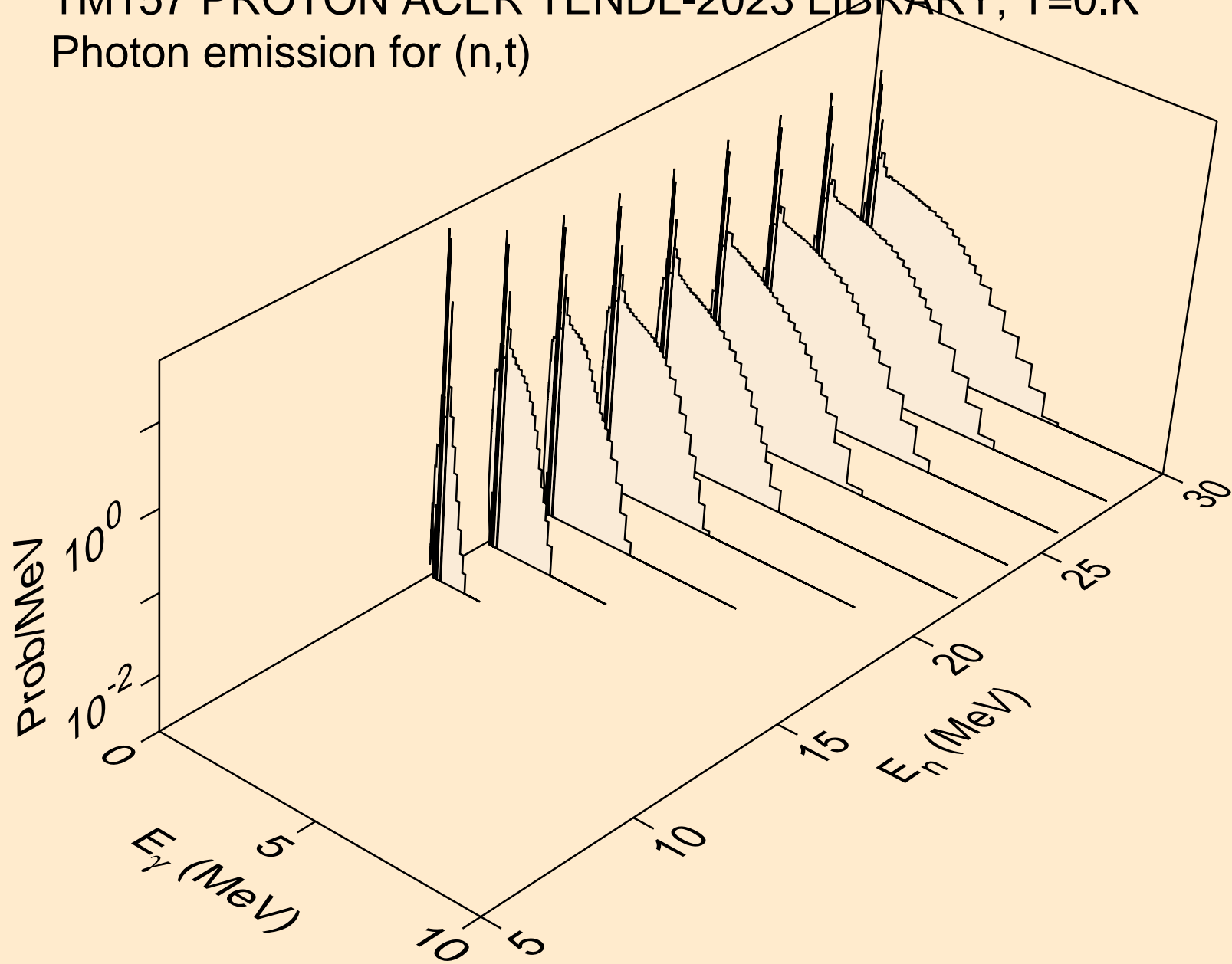
TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



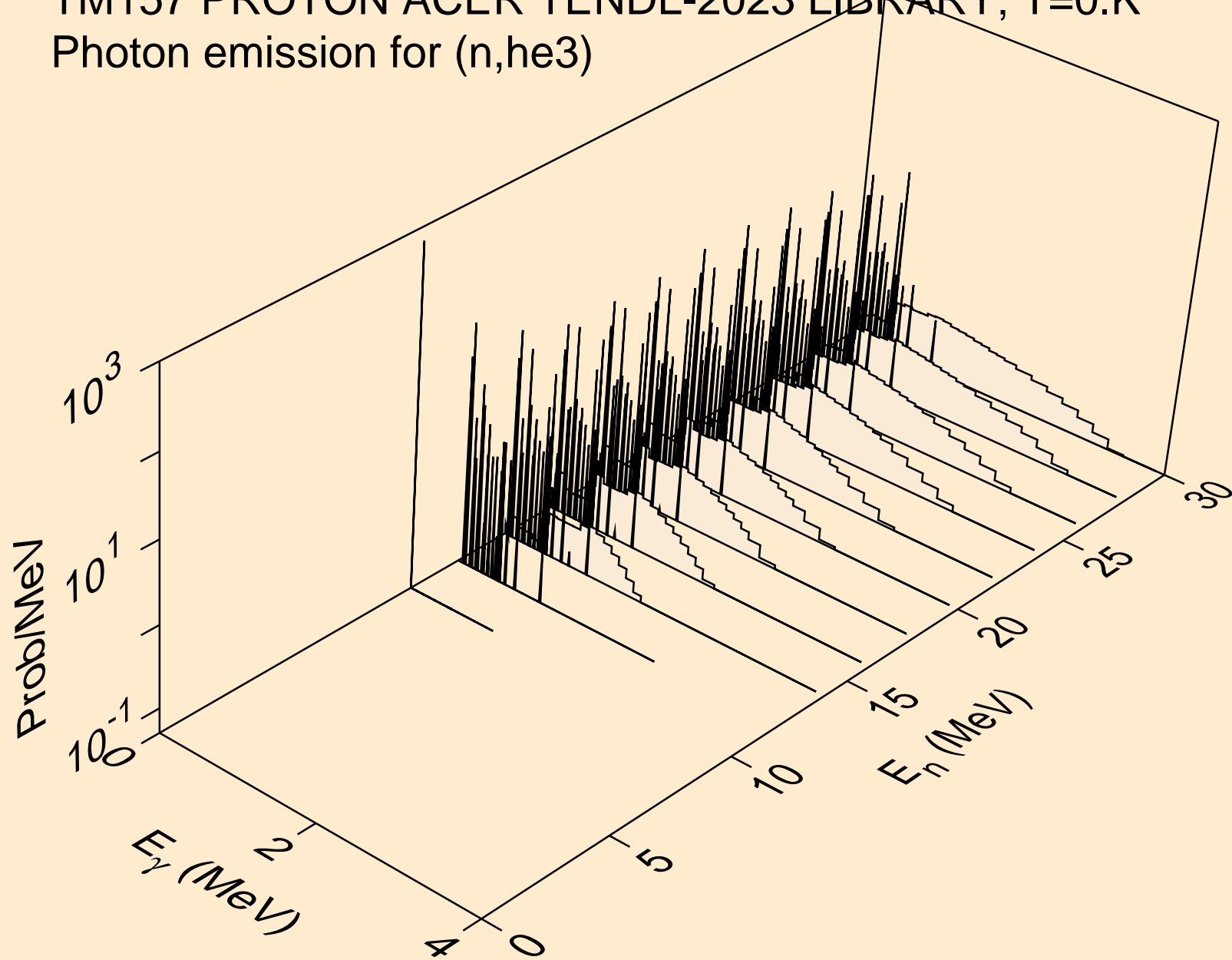
TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

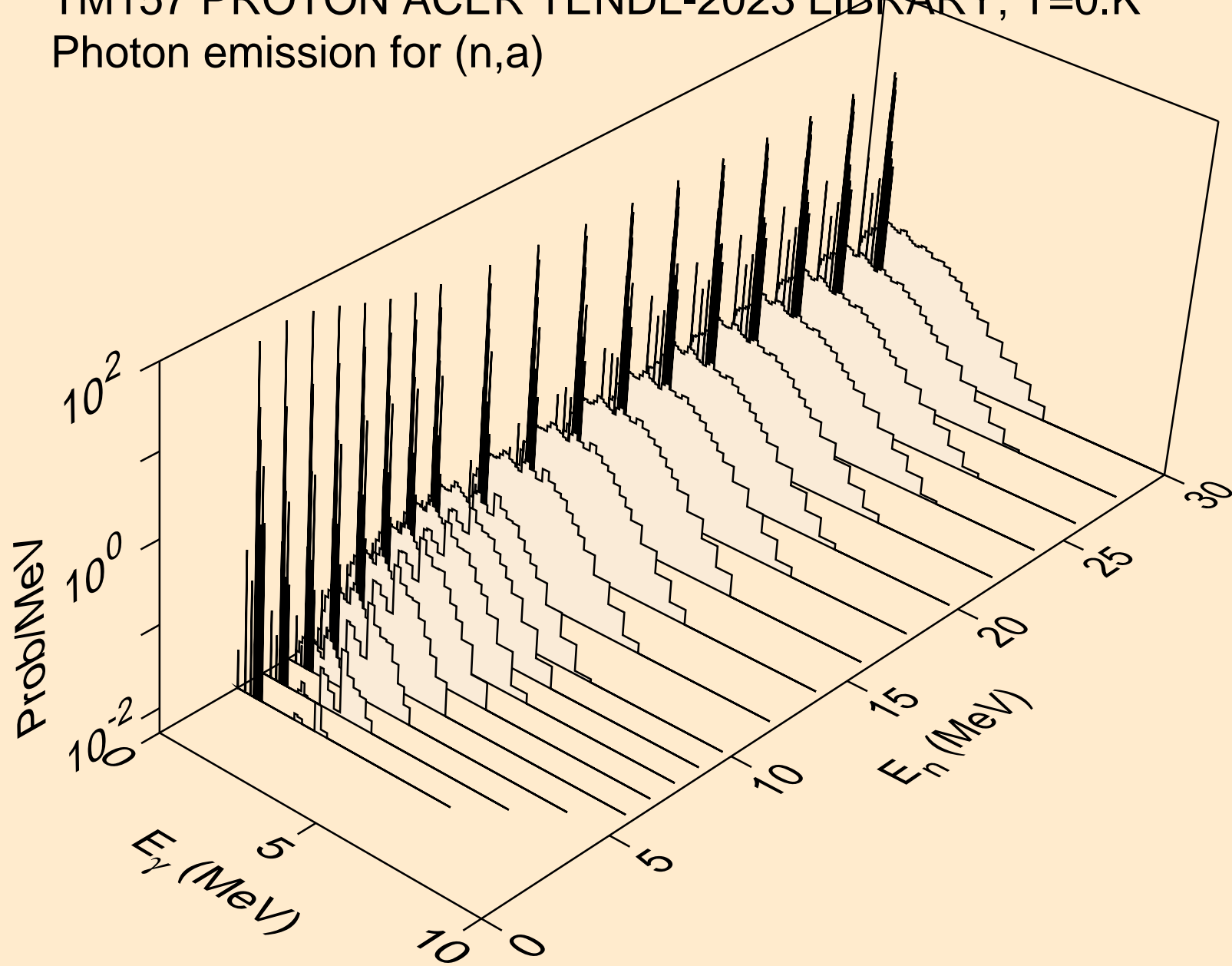


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Photon emission for (n,he3)

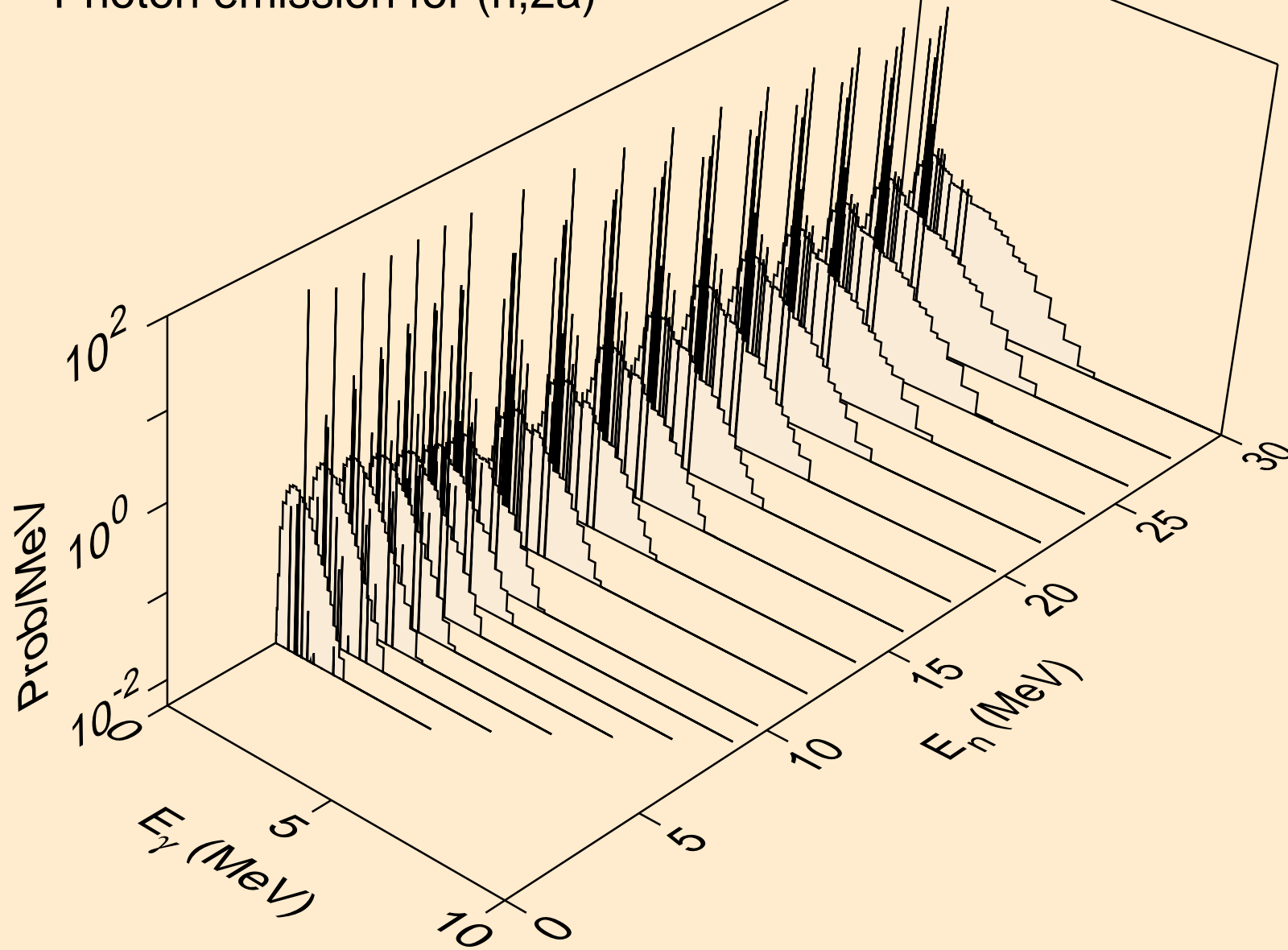




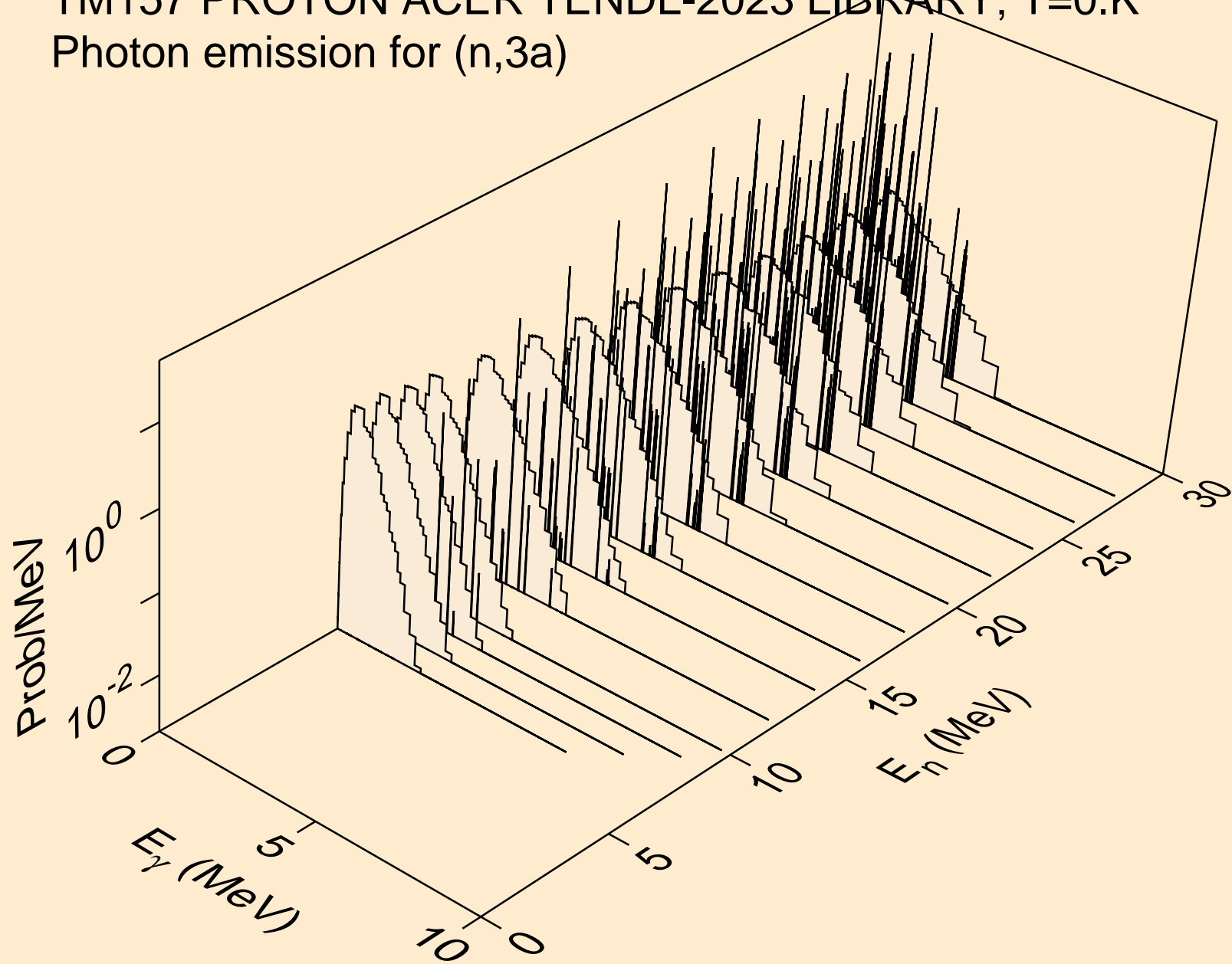
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Photon emission for (n,a)



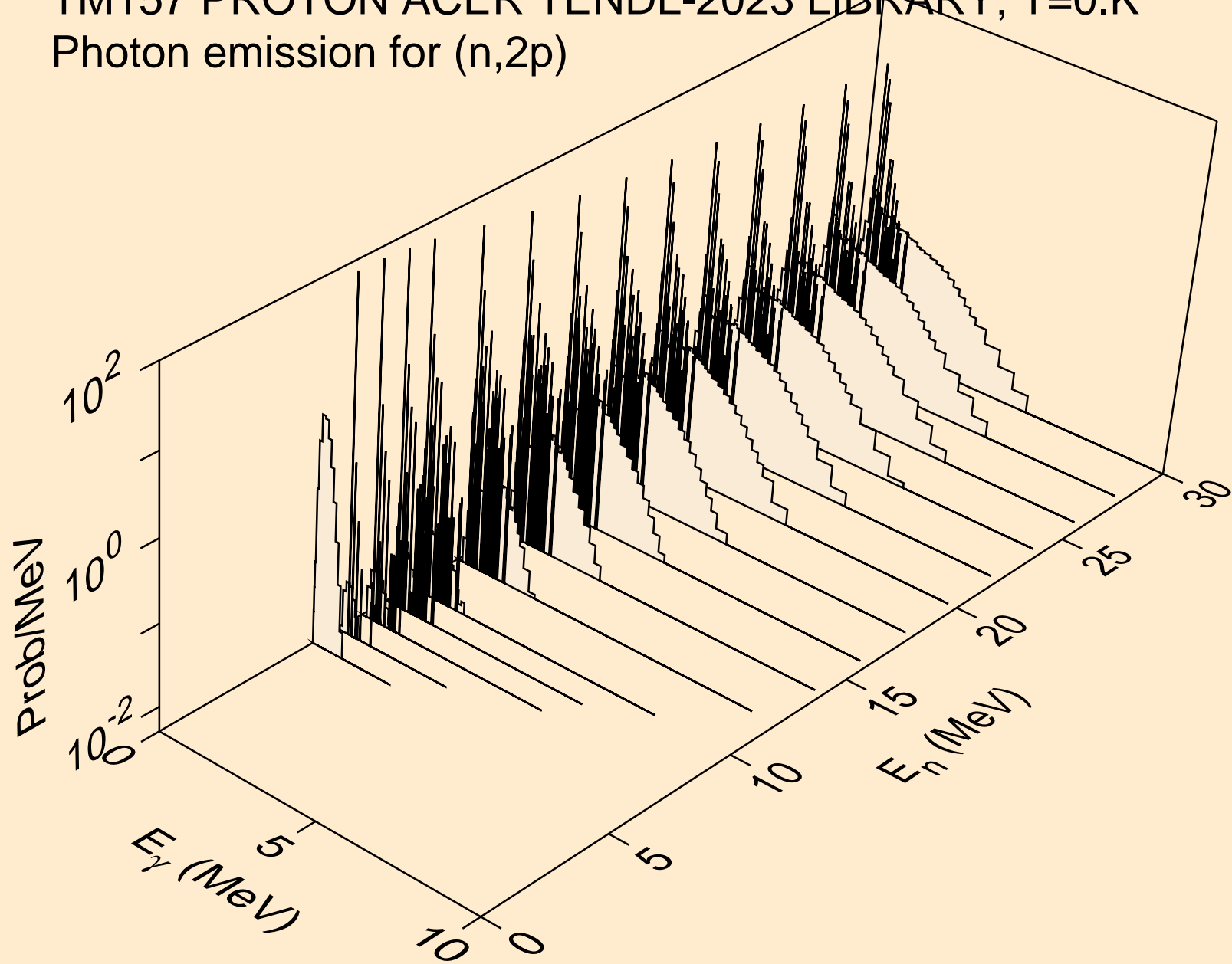
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Photon emission for (n,2a)



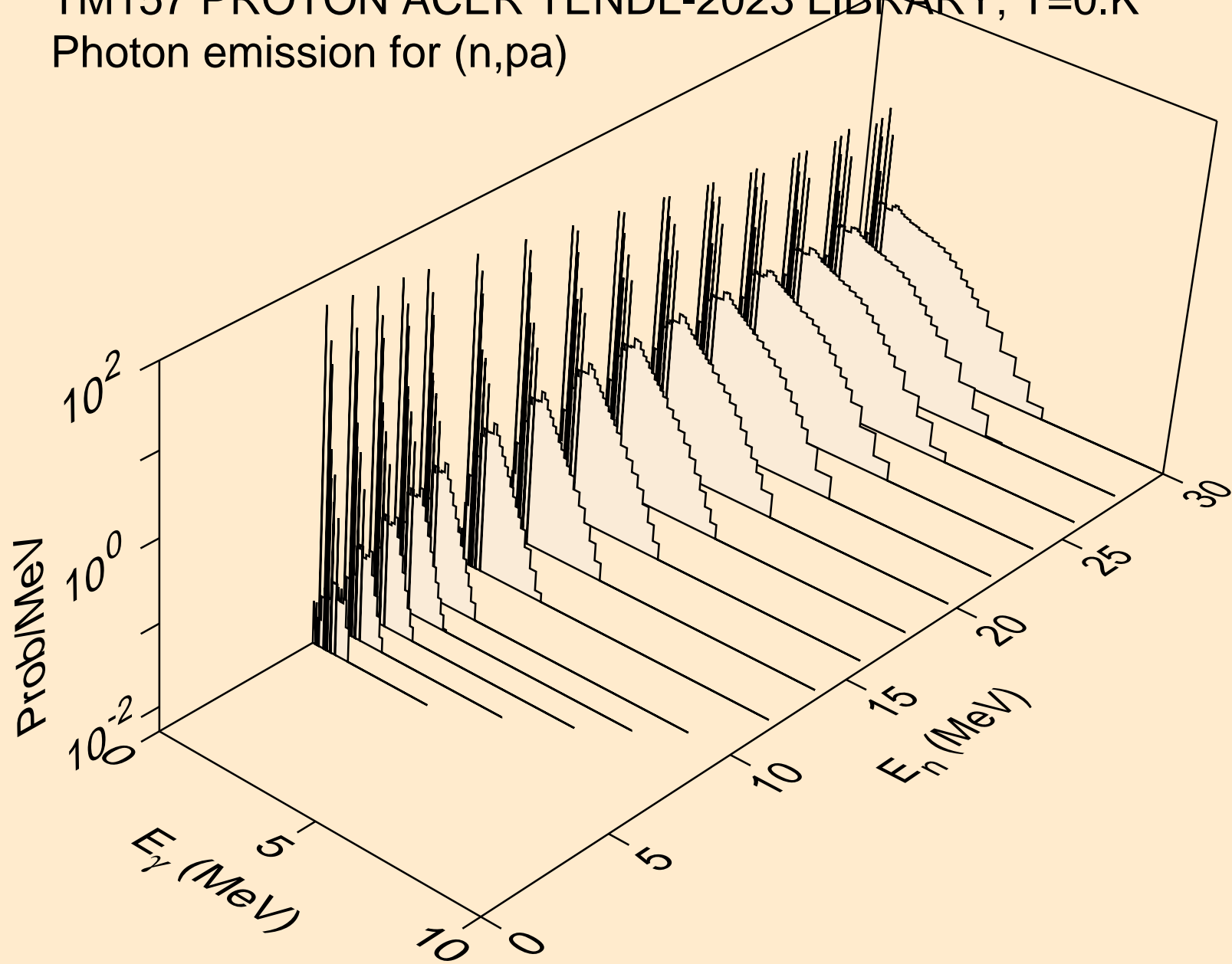
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Photon emission for (n,3a)



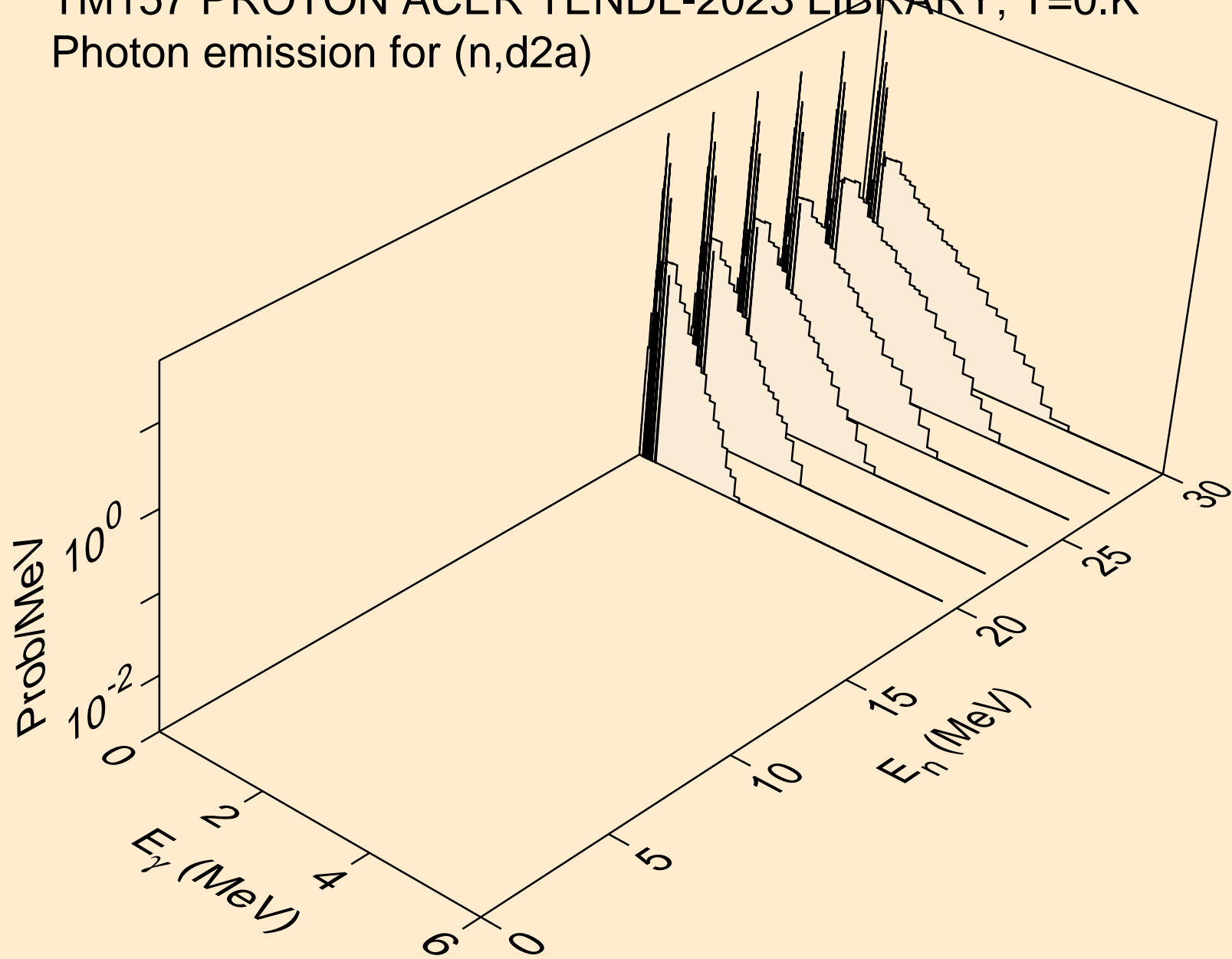
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Photon emission for (n,2p)



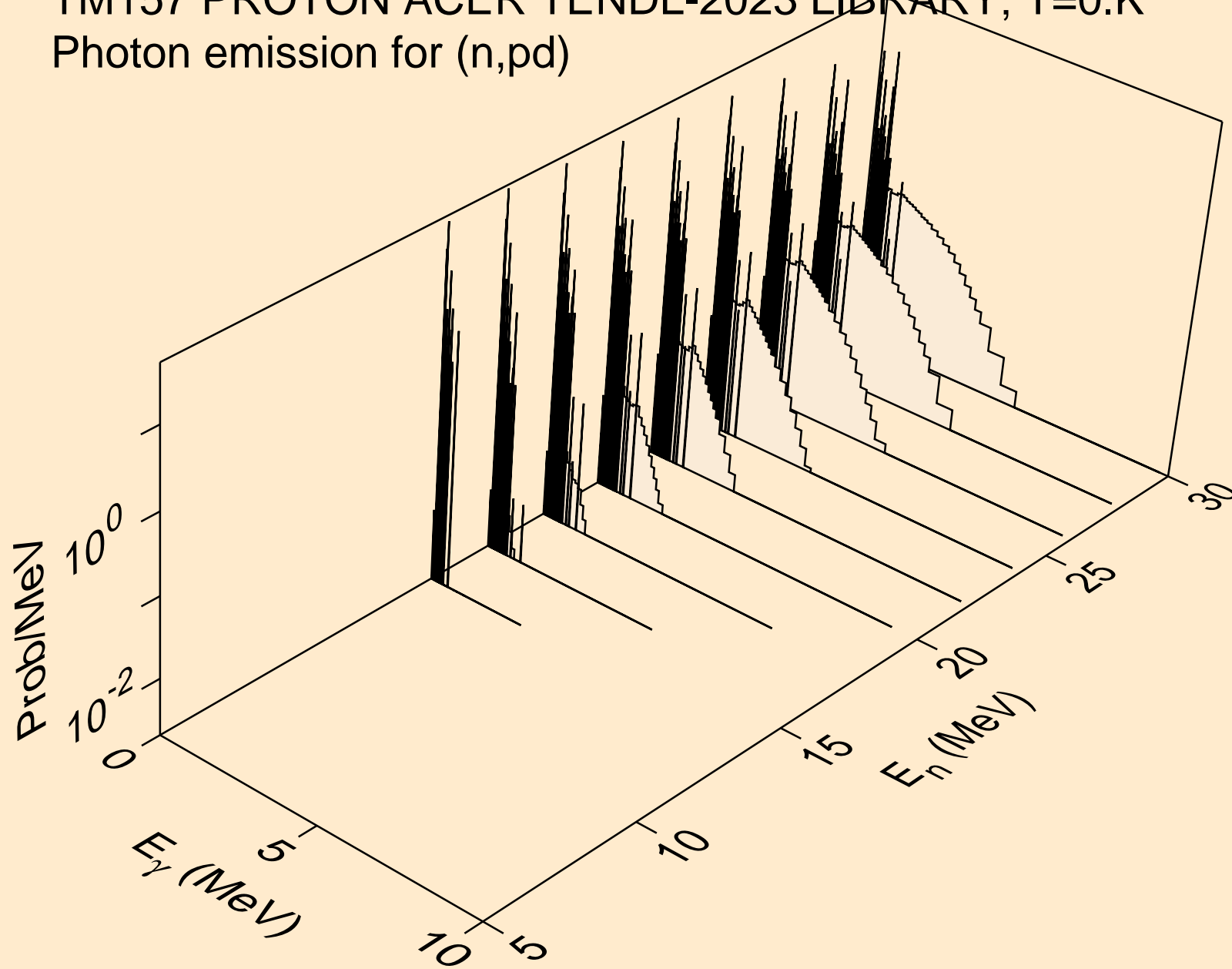
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Photon emission for (n,pa)



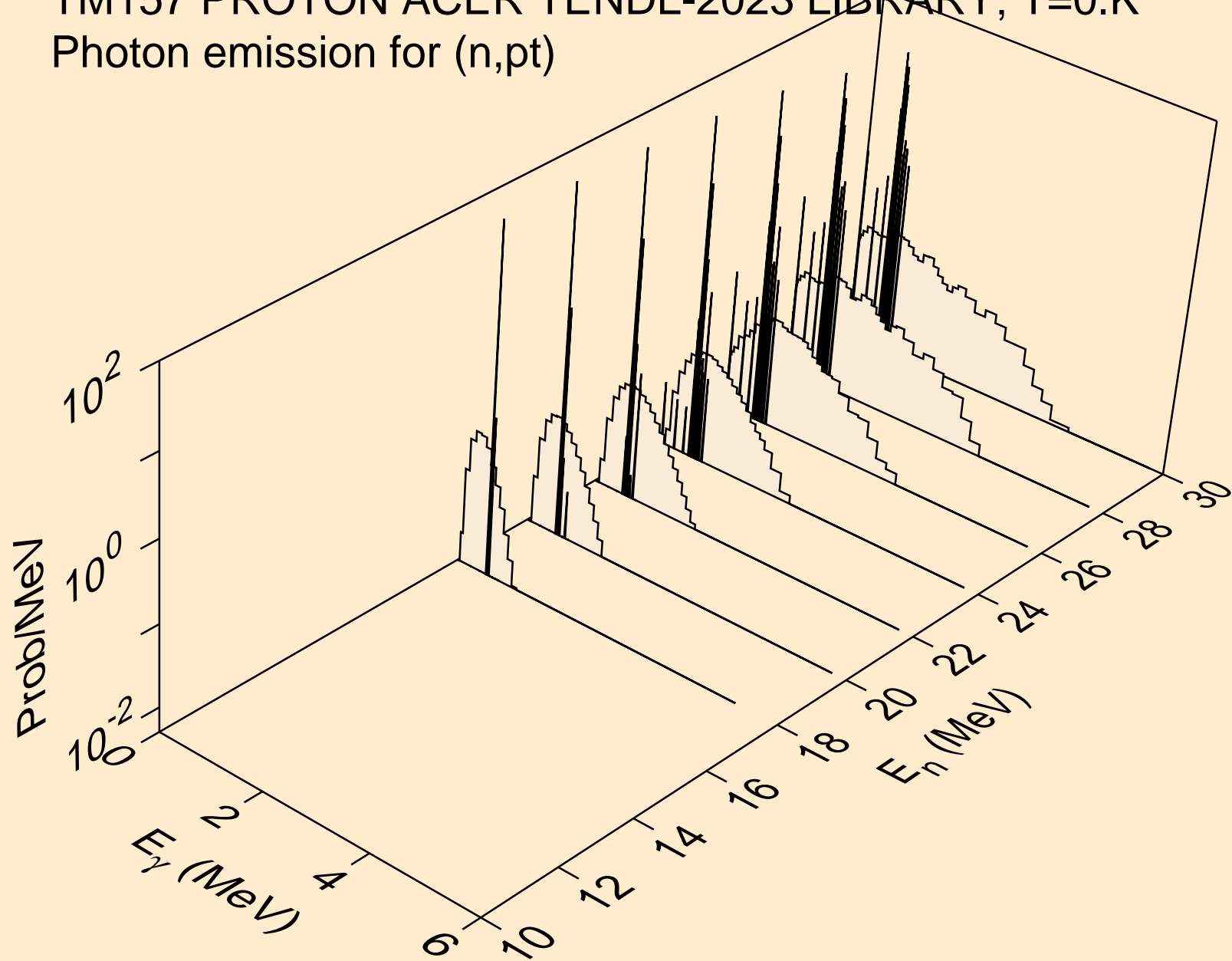
TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d2a)



TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)

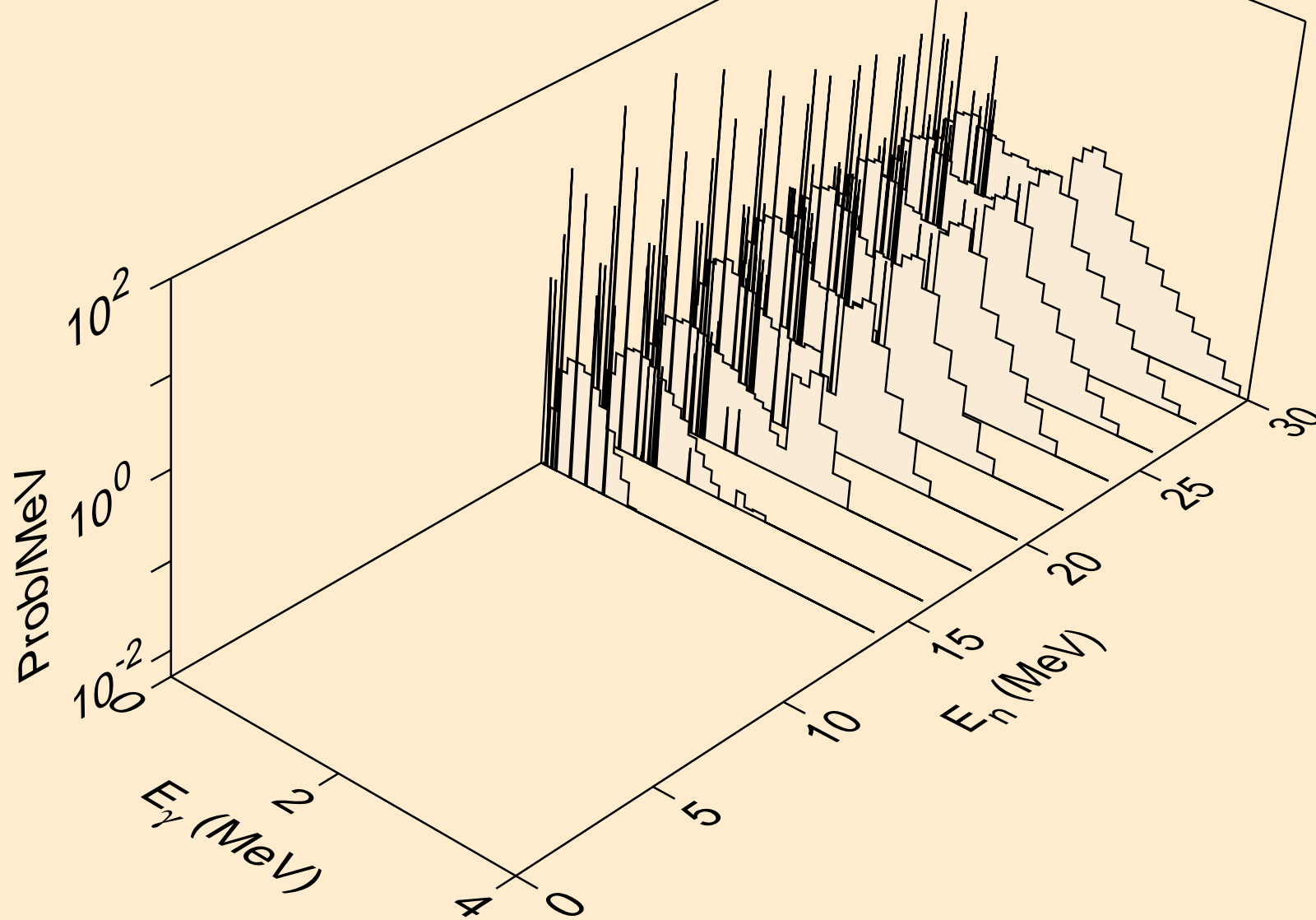


TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



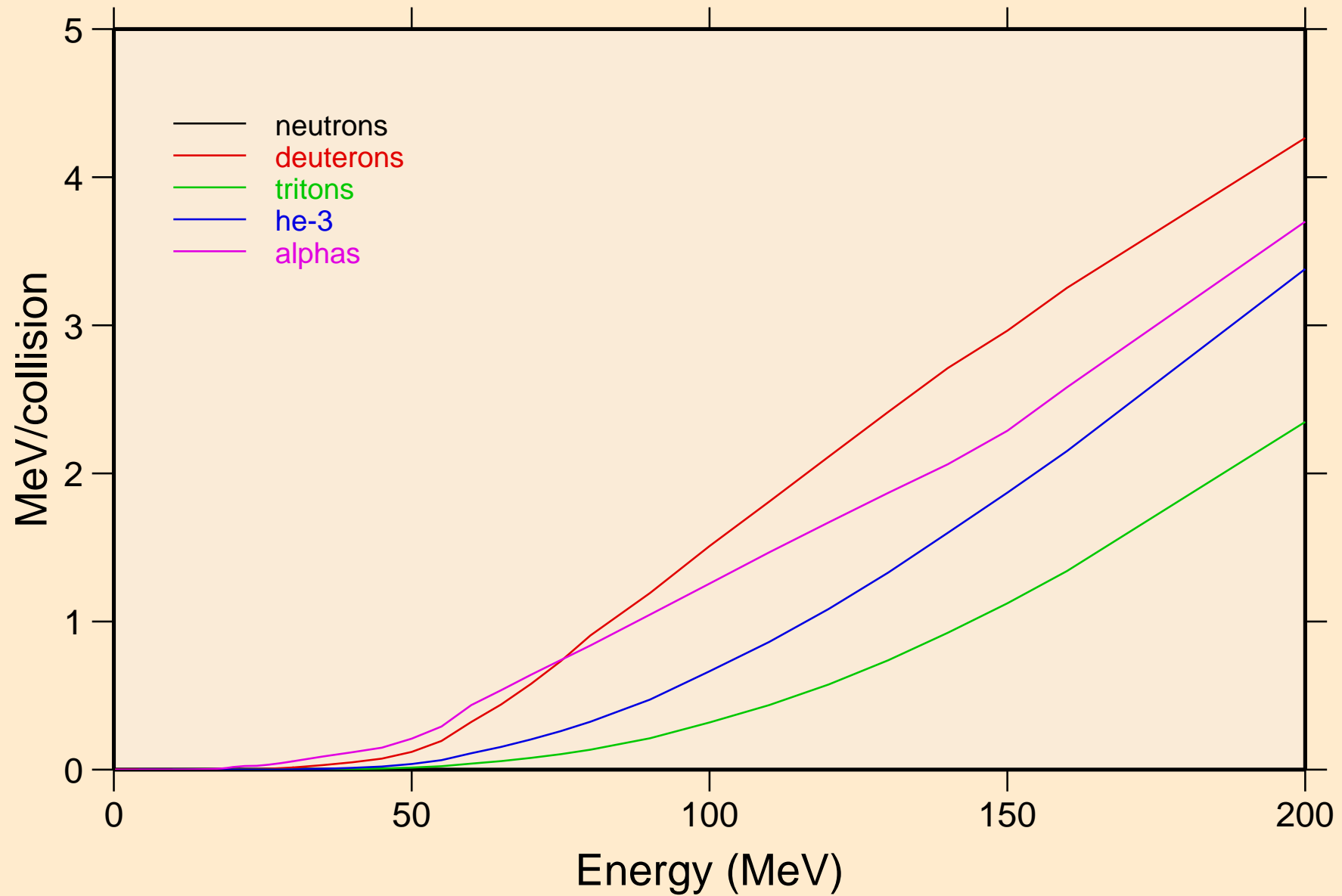


TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

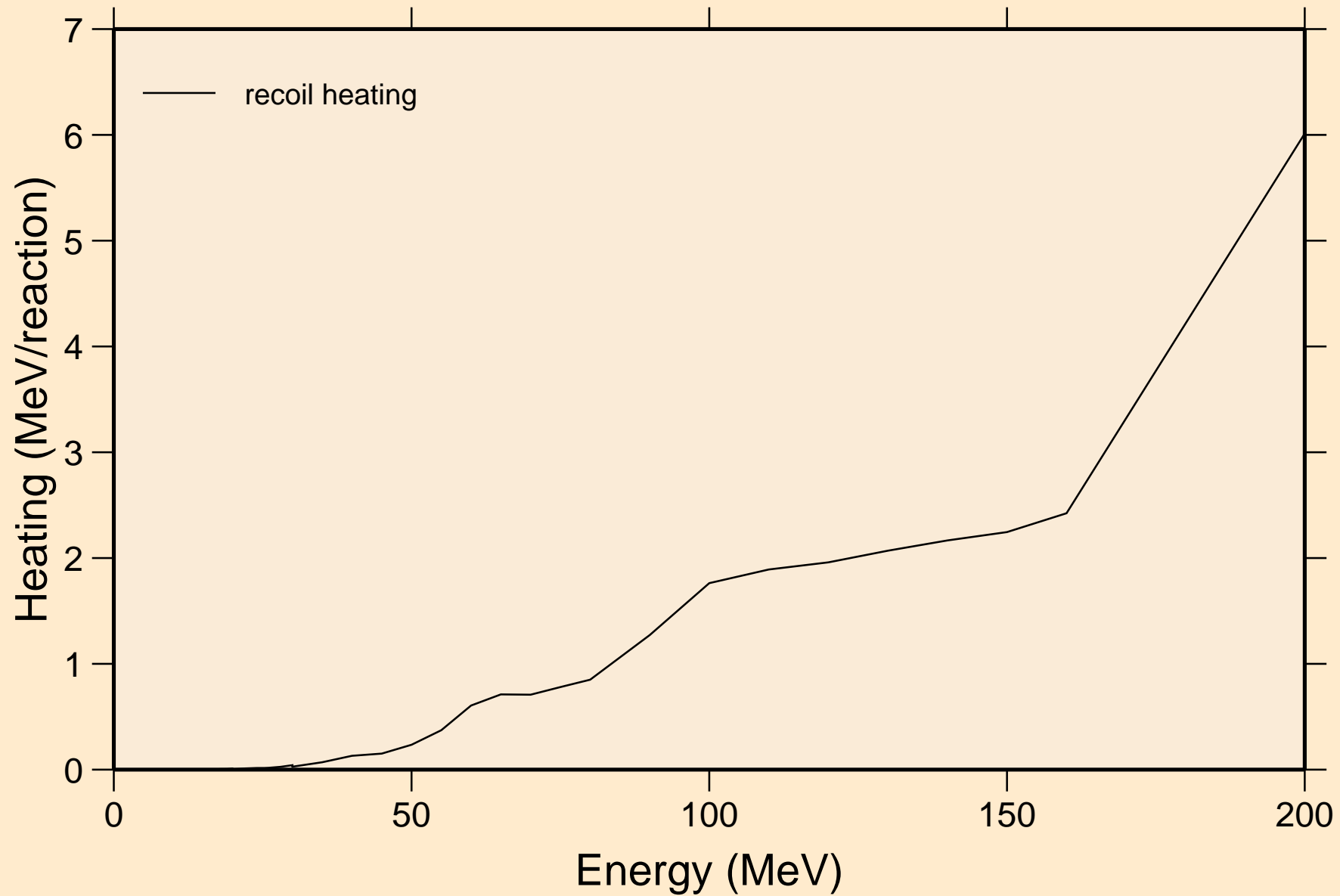


# TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K

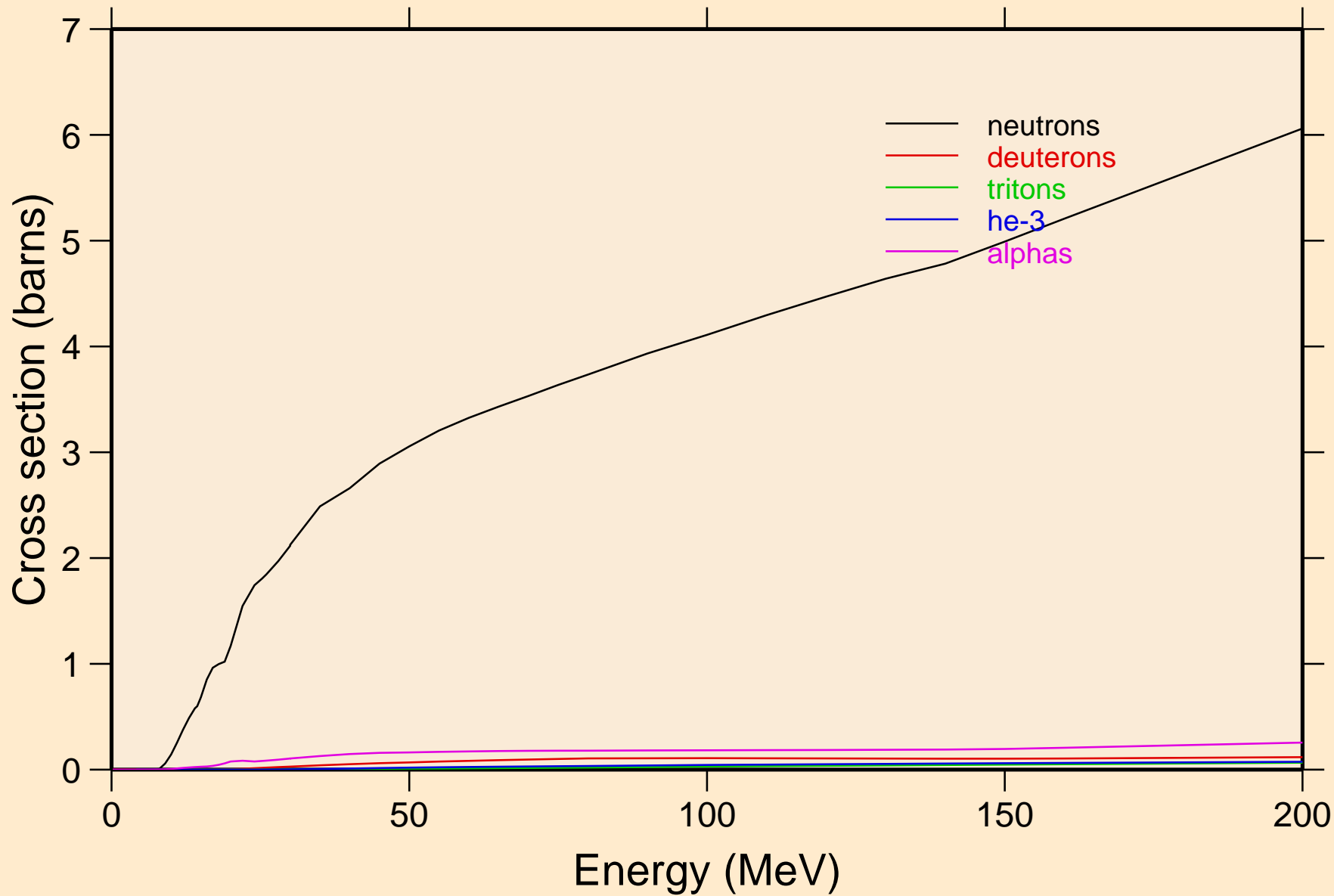
## Particle heating contributions



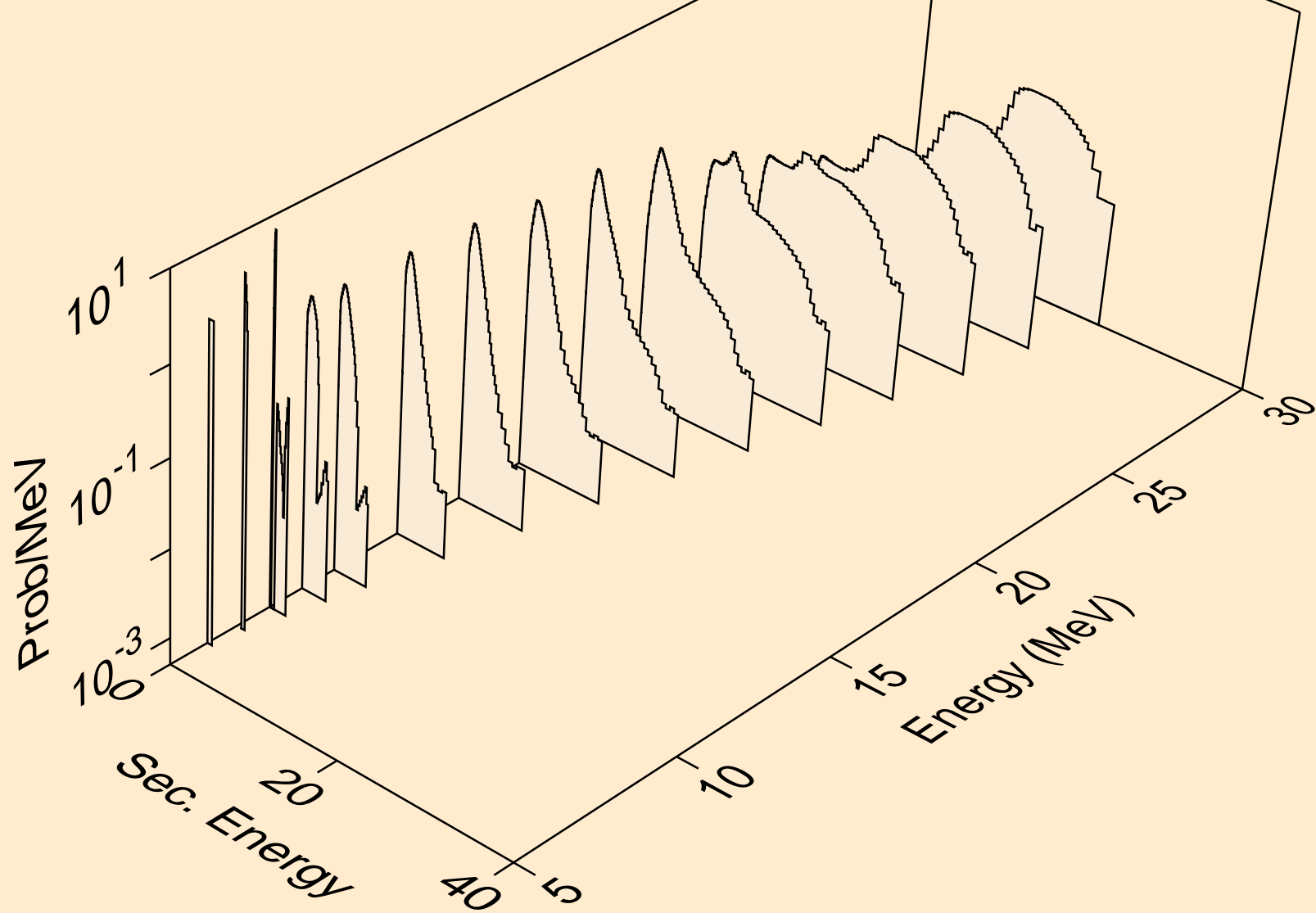
TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



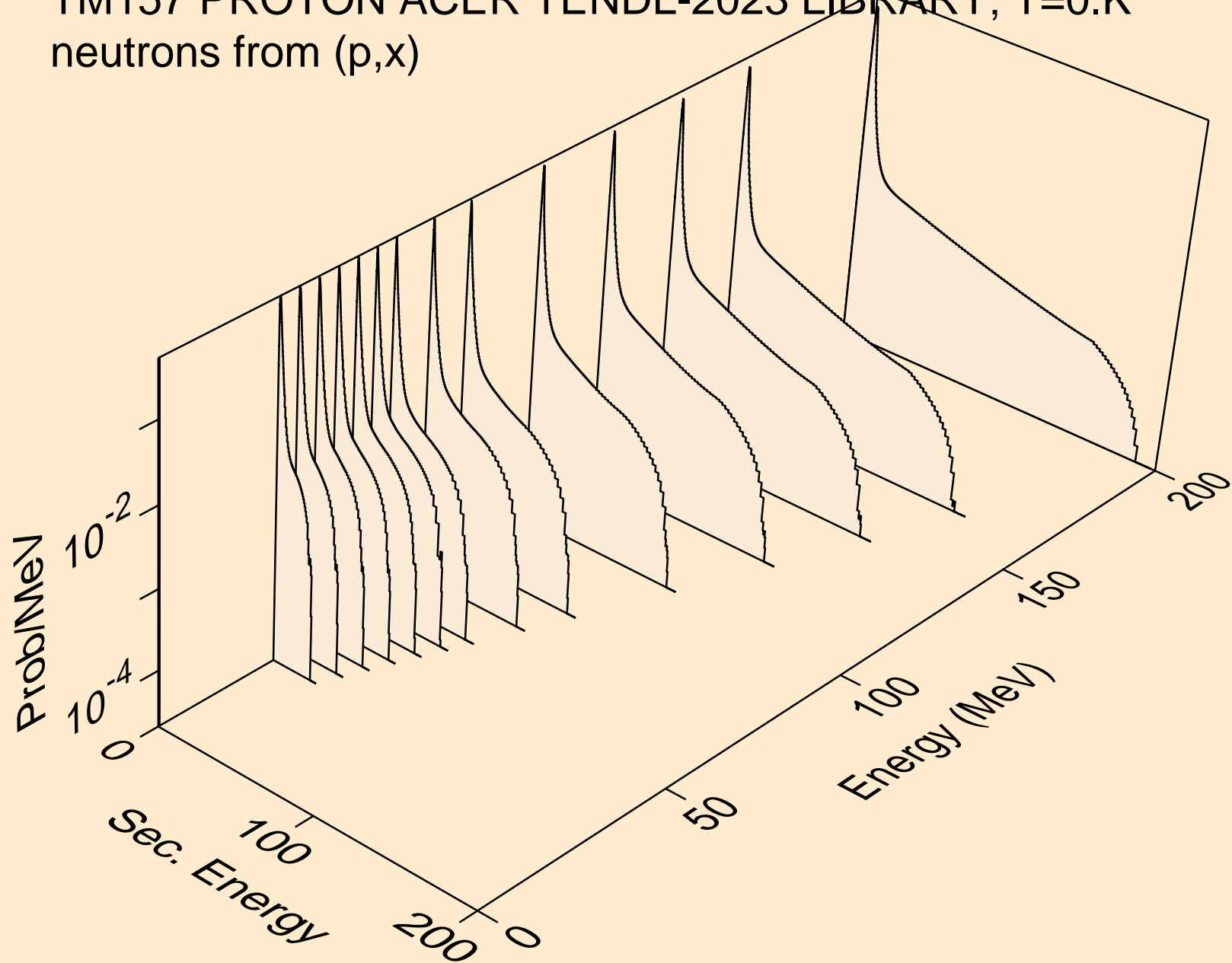
TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



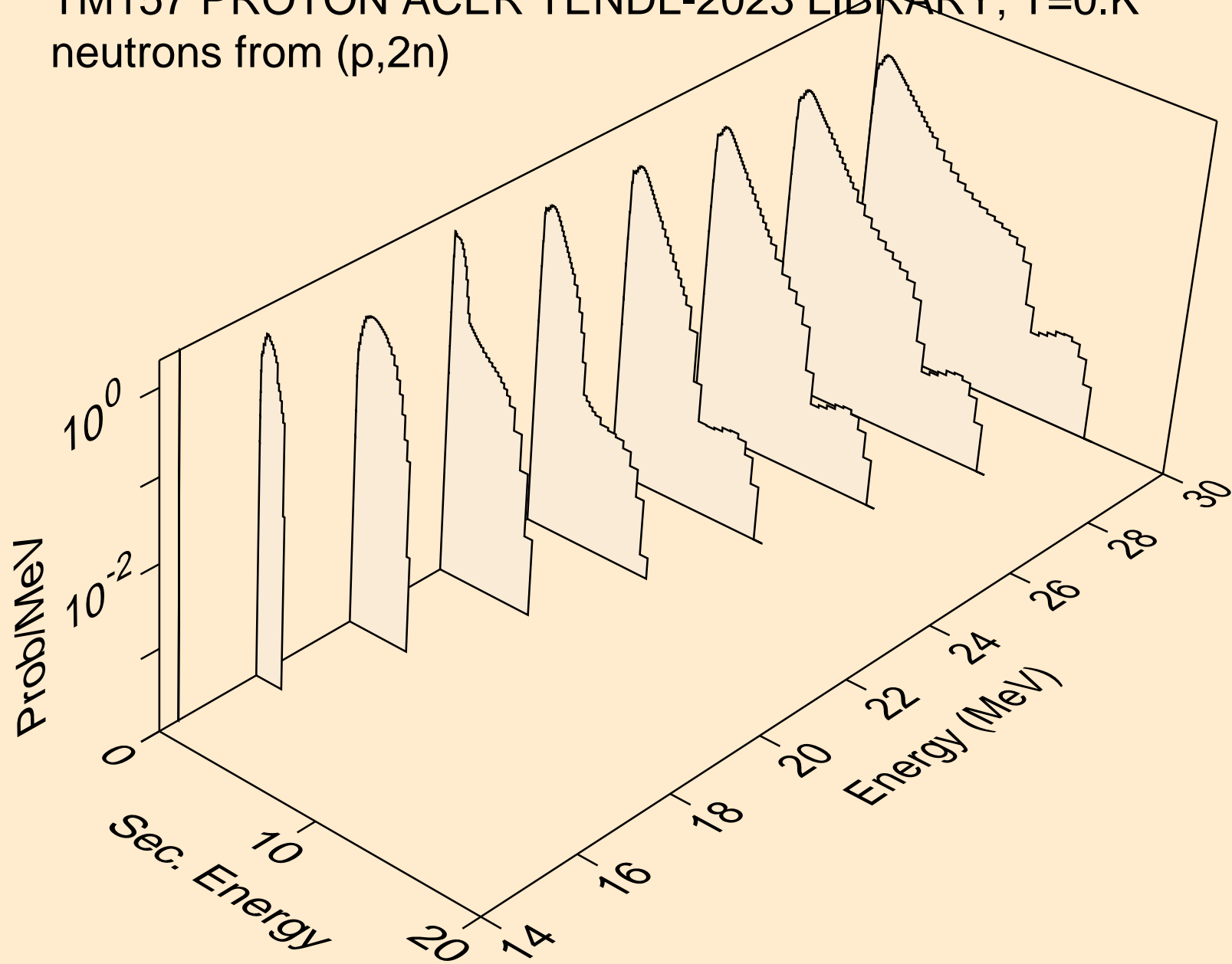
TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



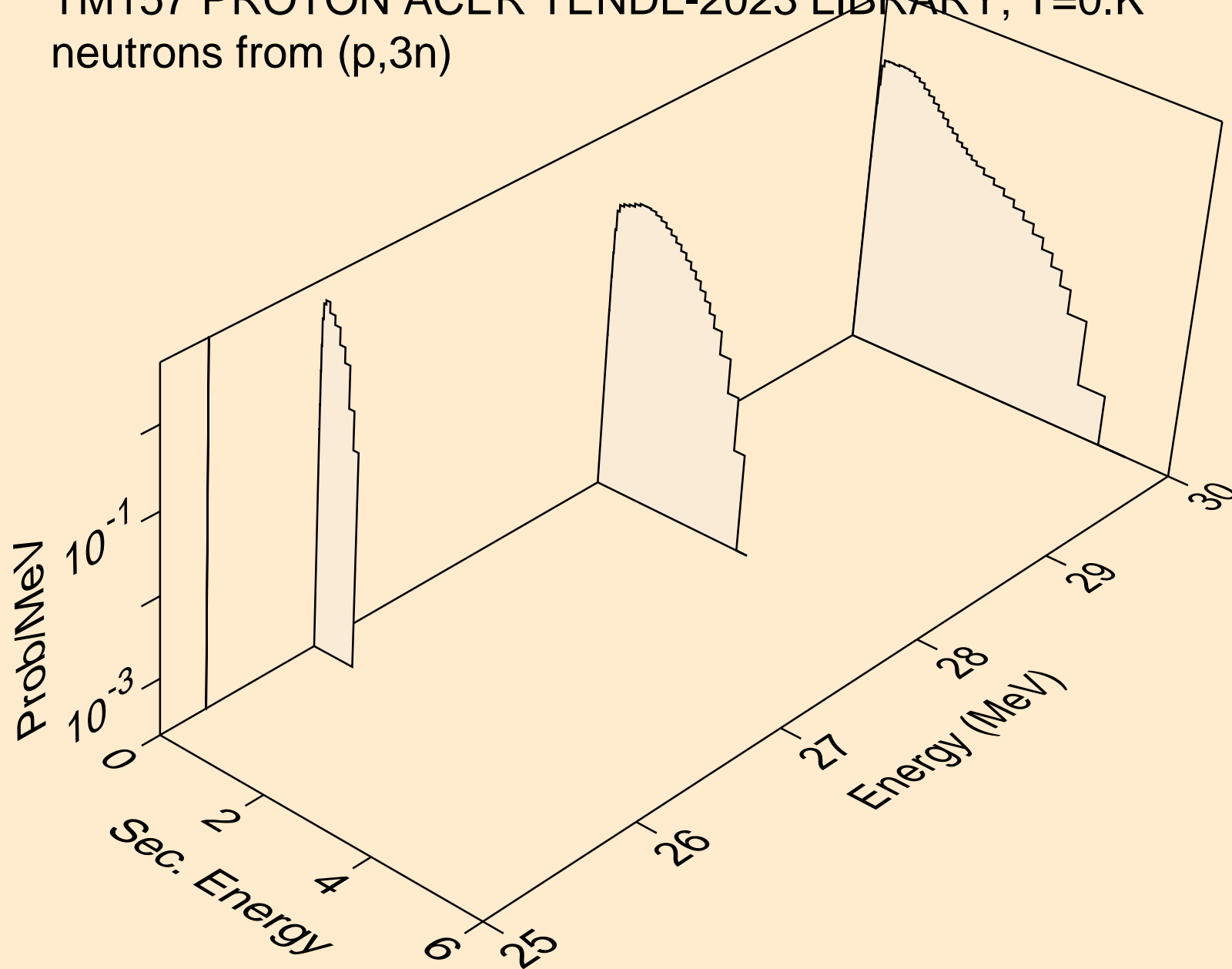
TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)



TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)

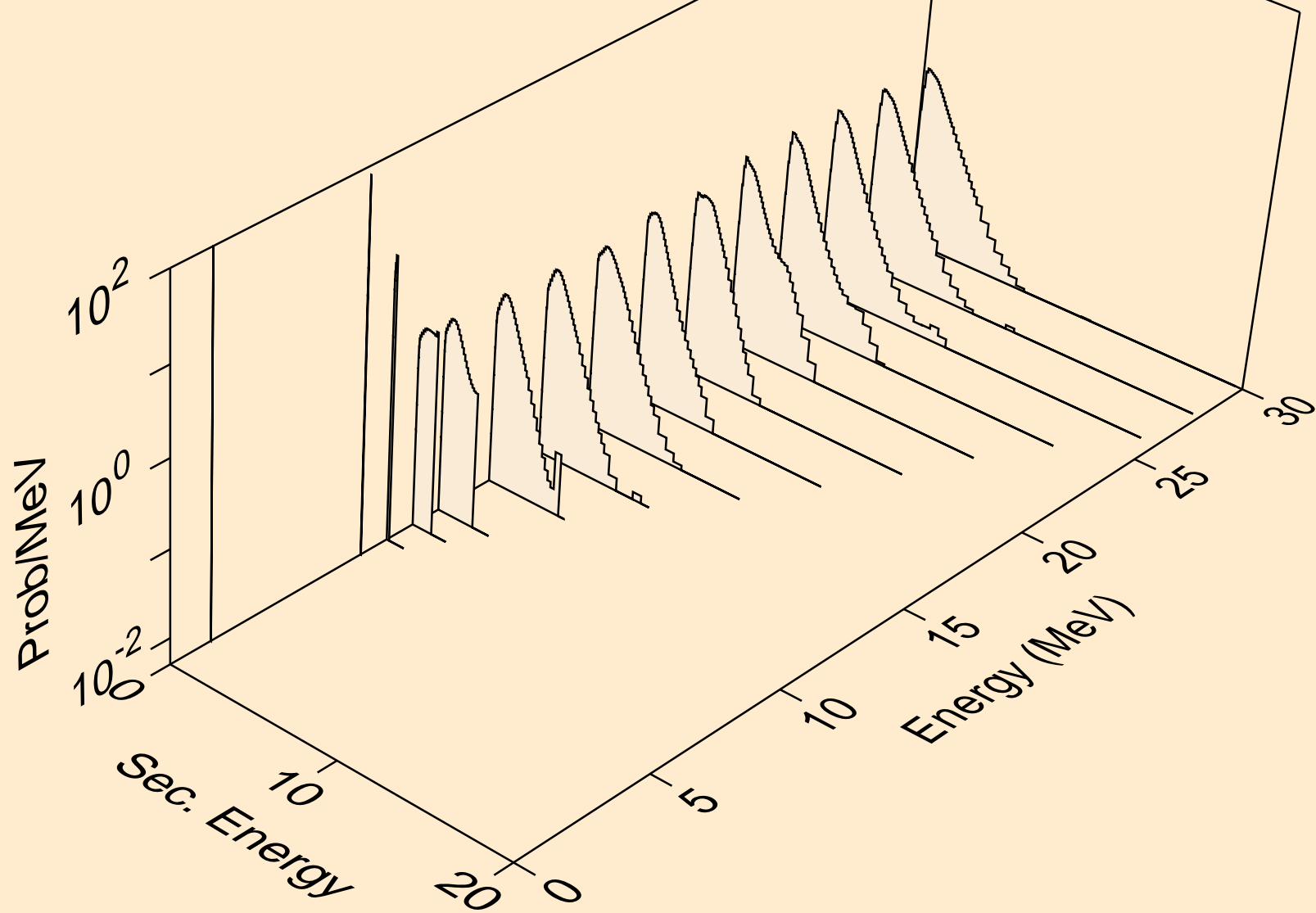


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neutrons from (p,3n)

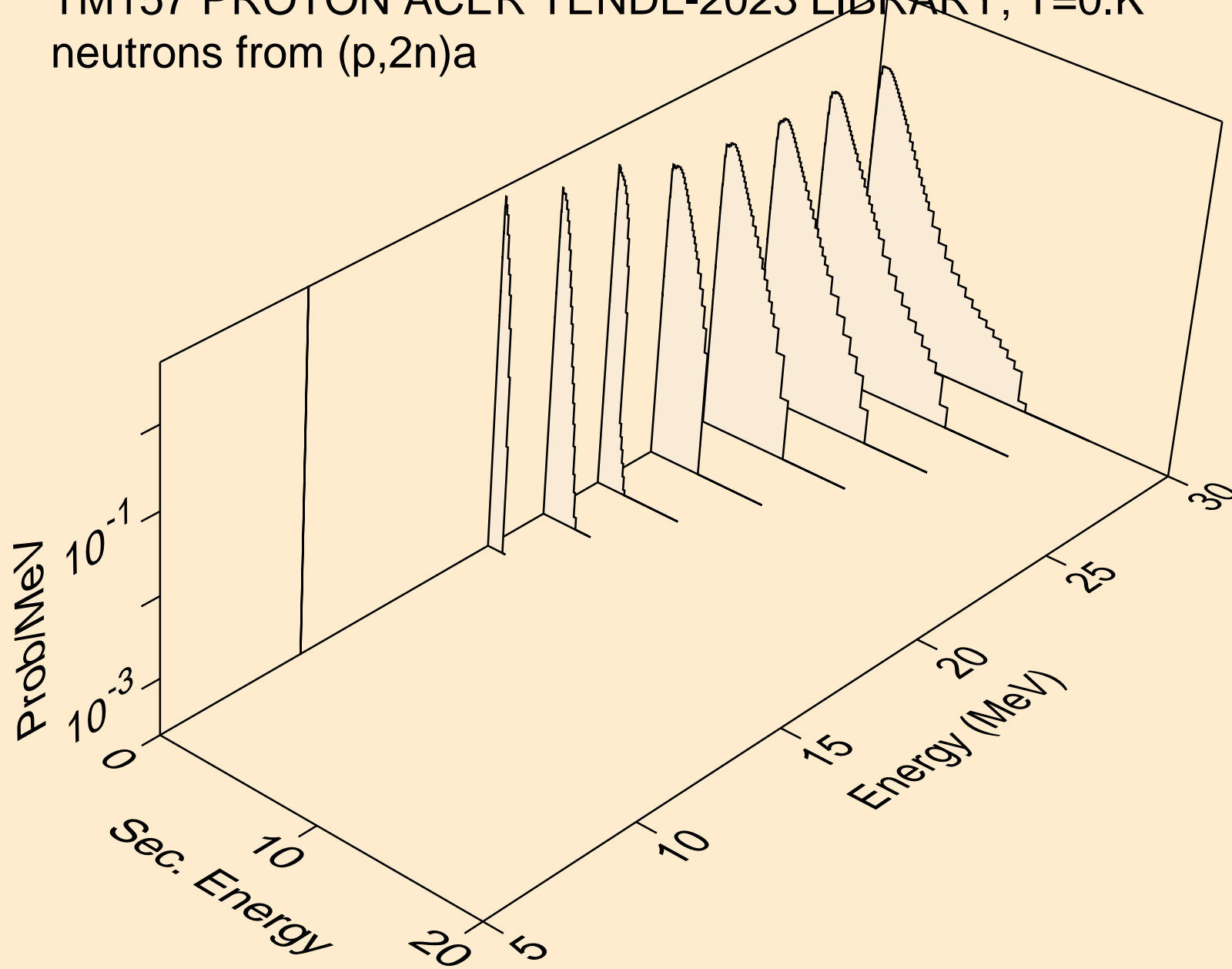




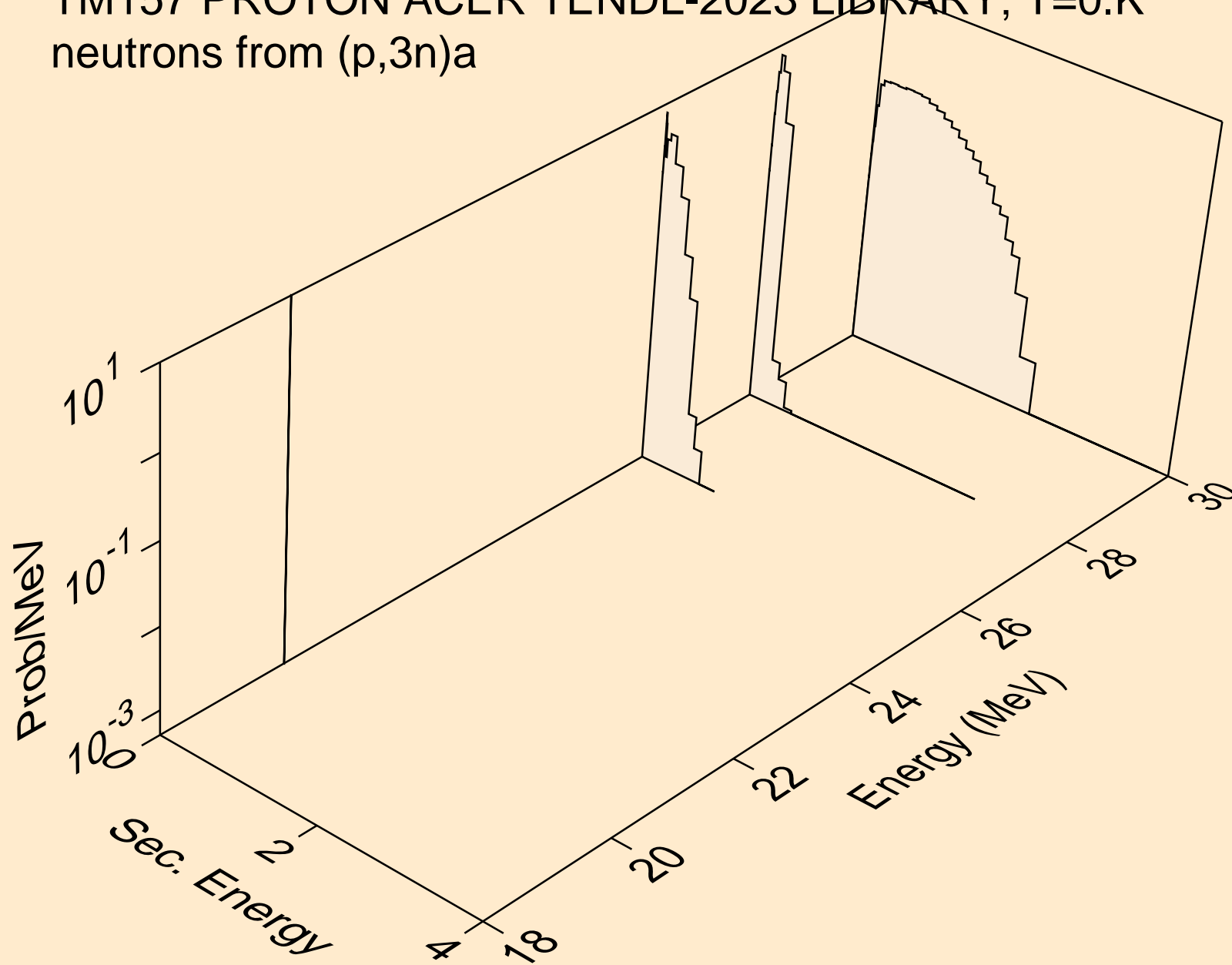
TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a



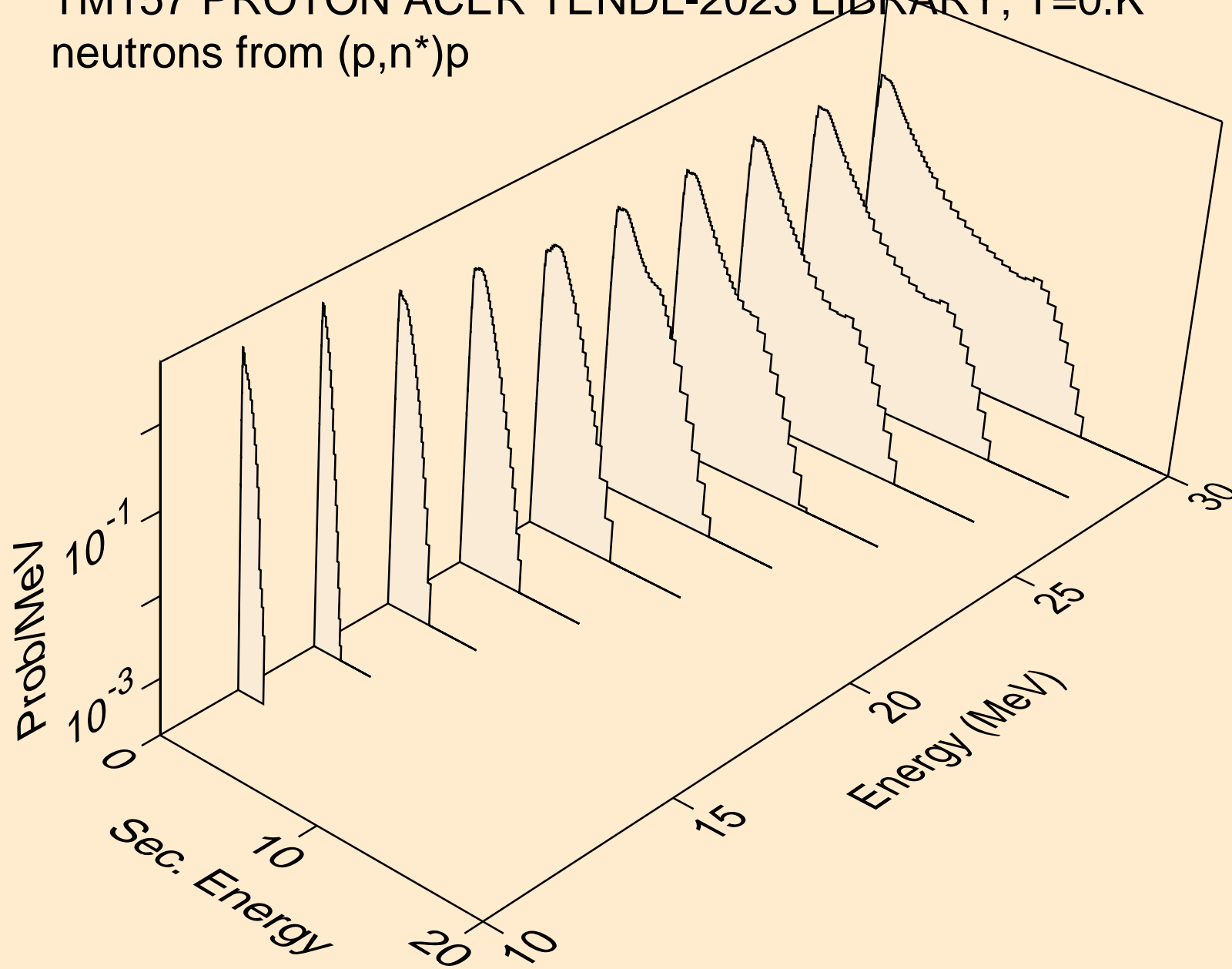
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neutrons from (p,2n)a



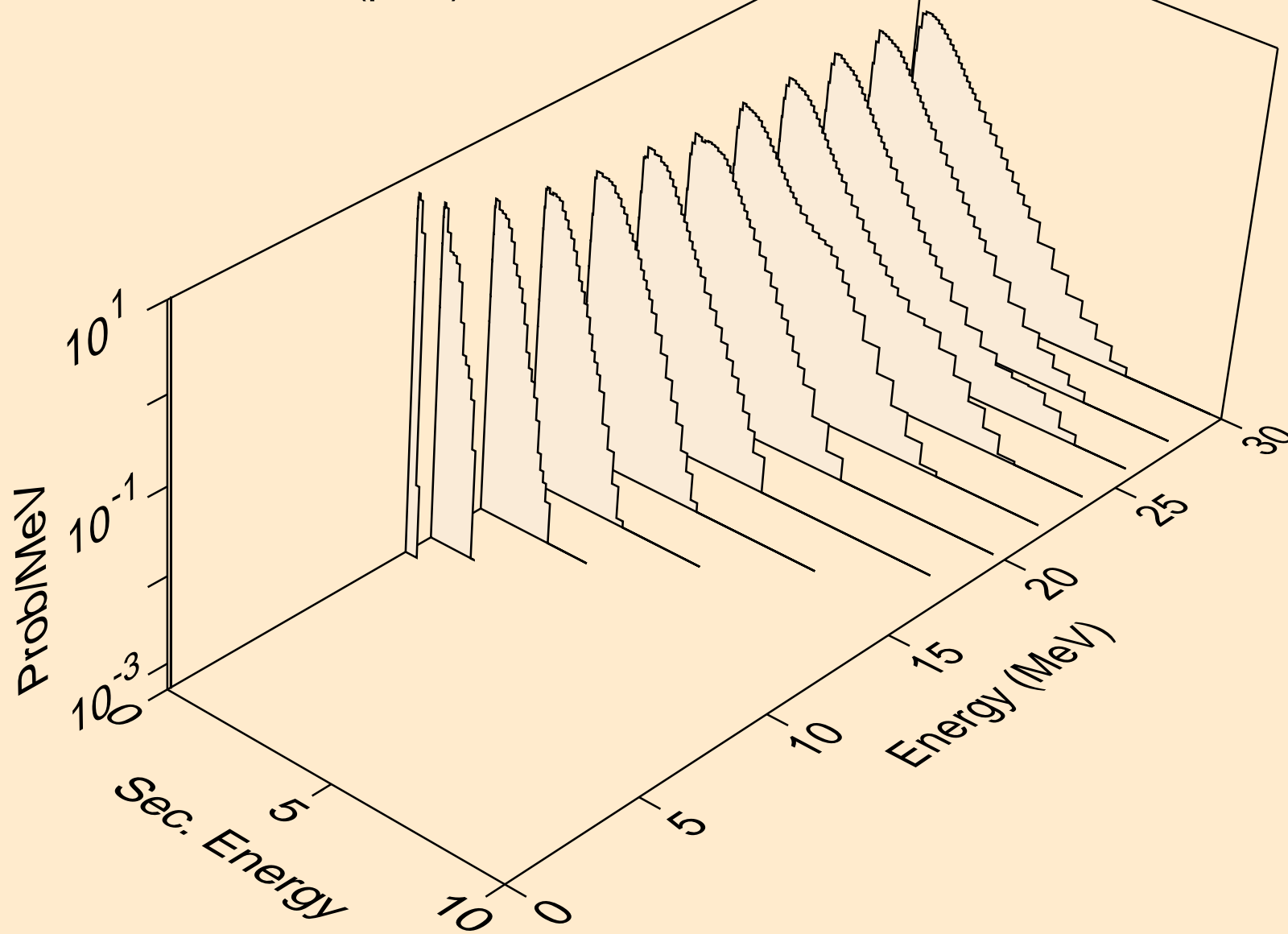
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neutrons from (p,3n)a



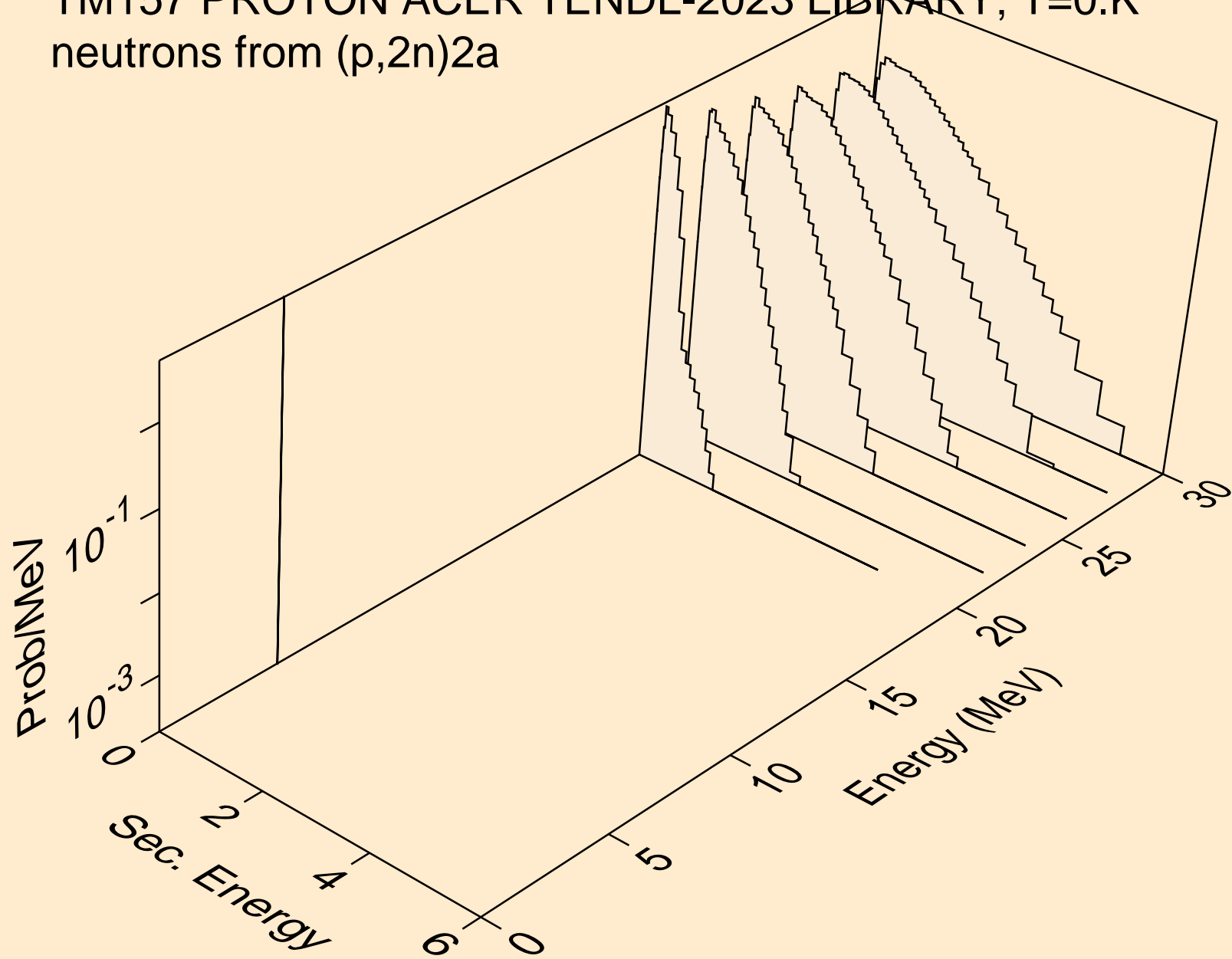
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neutrons from (p,n\*)p



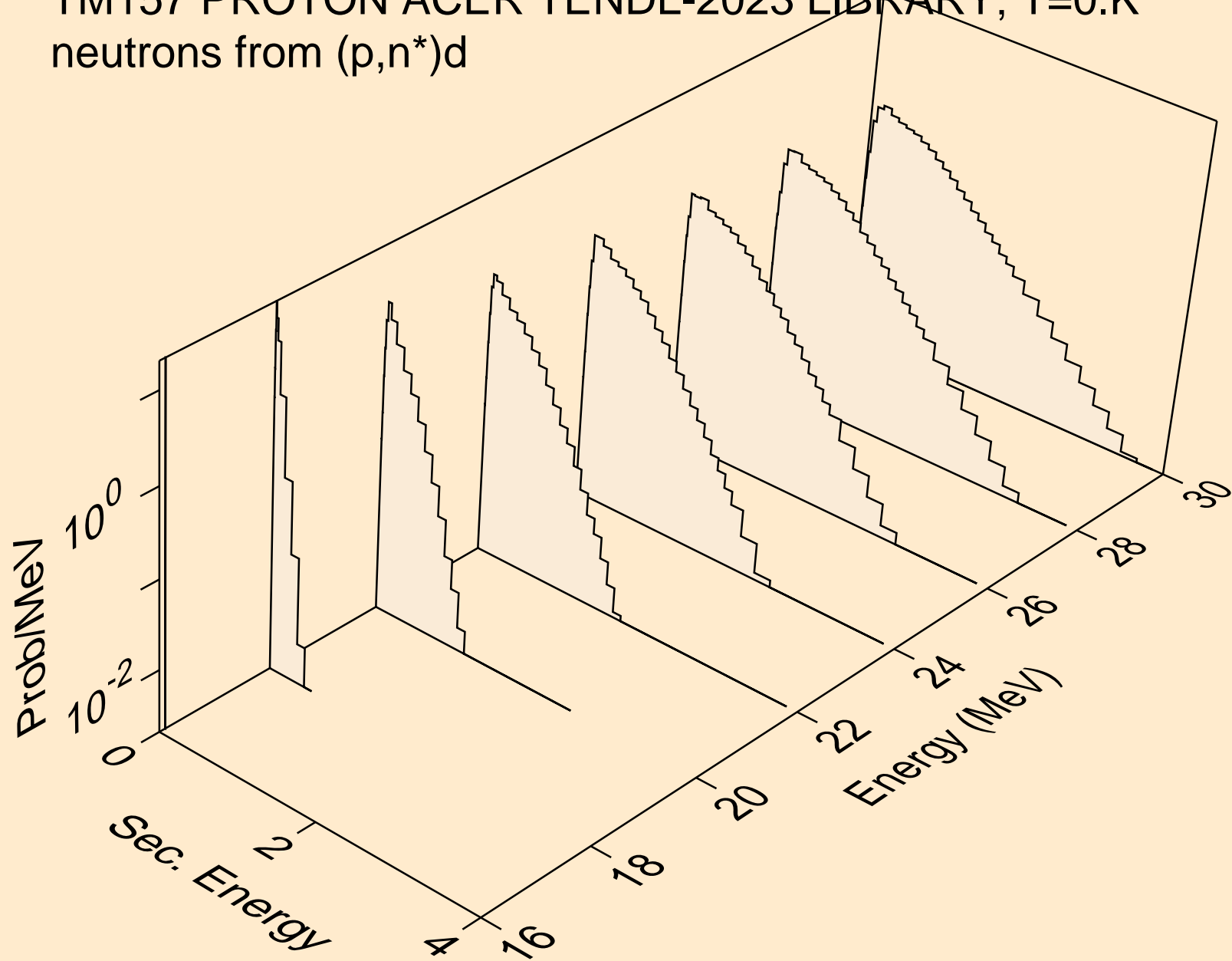
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neutrons from (p,n\*)2a



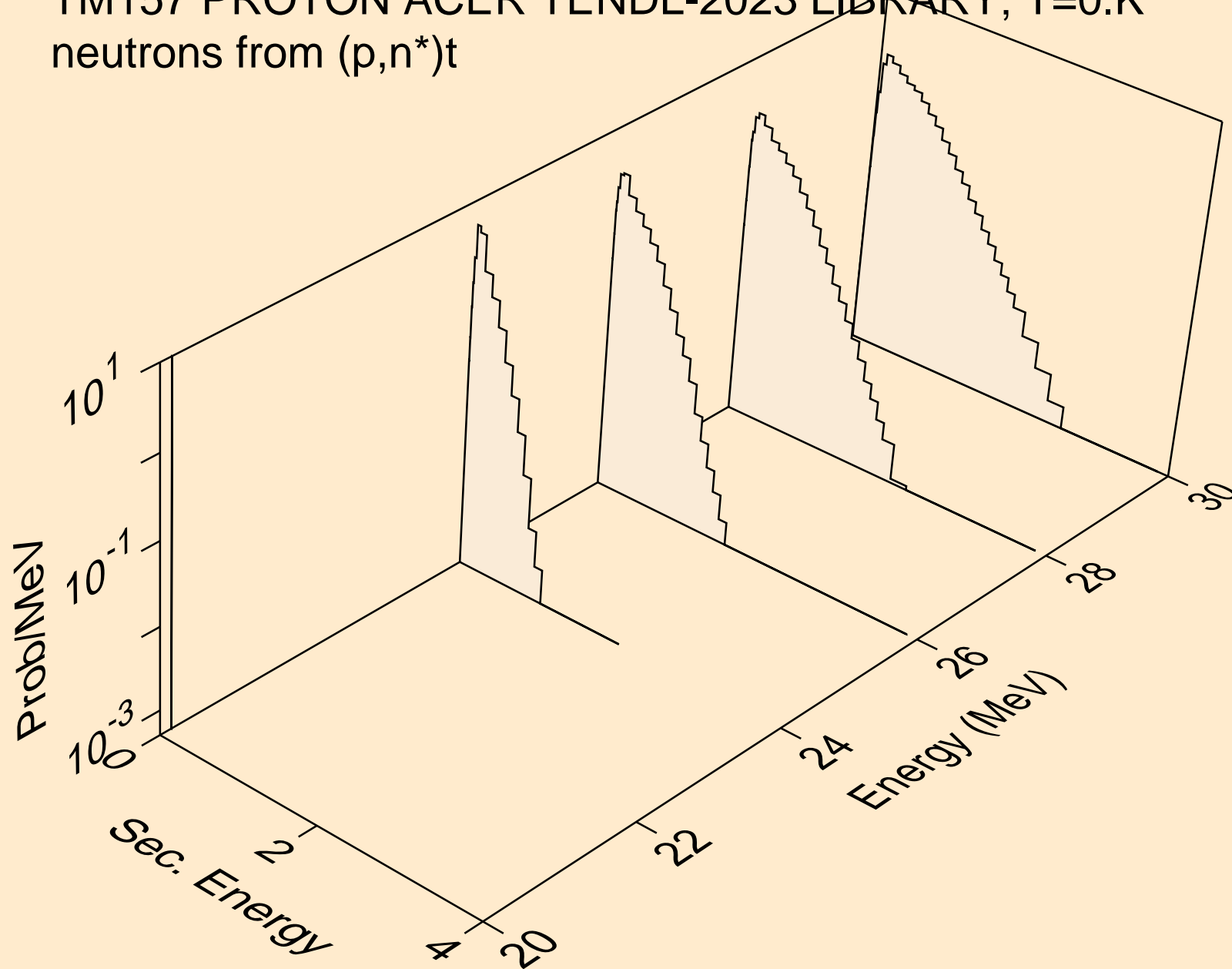
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neutrons from (p,2n)2a



TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)d

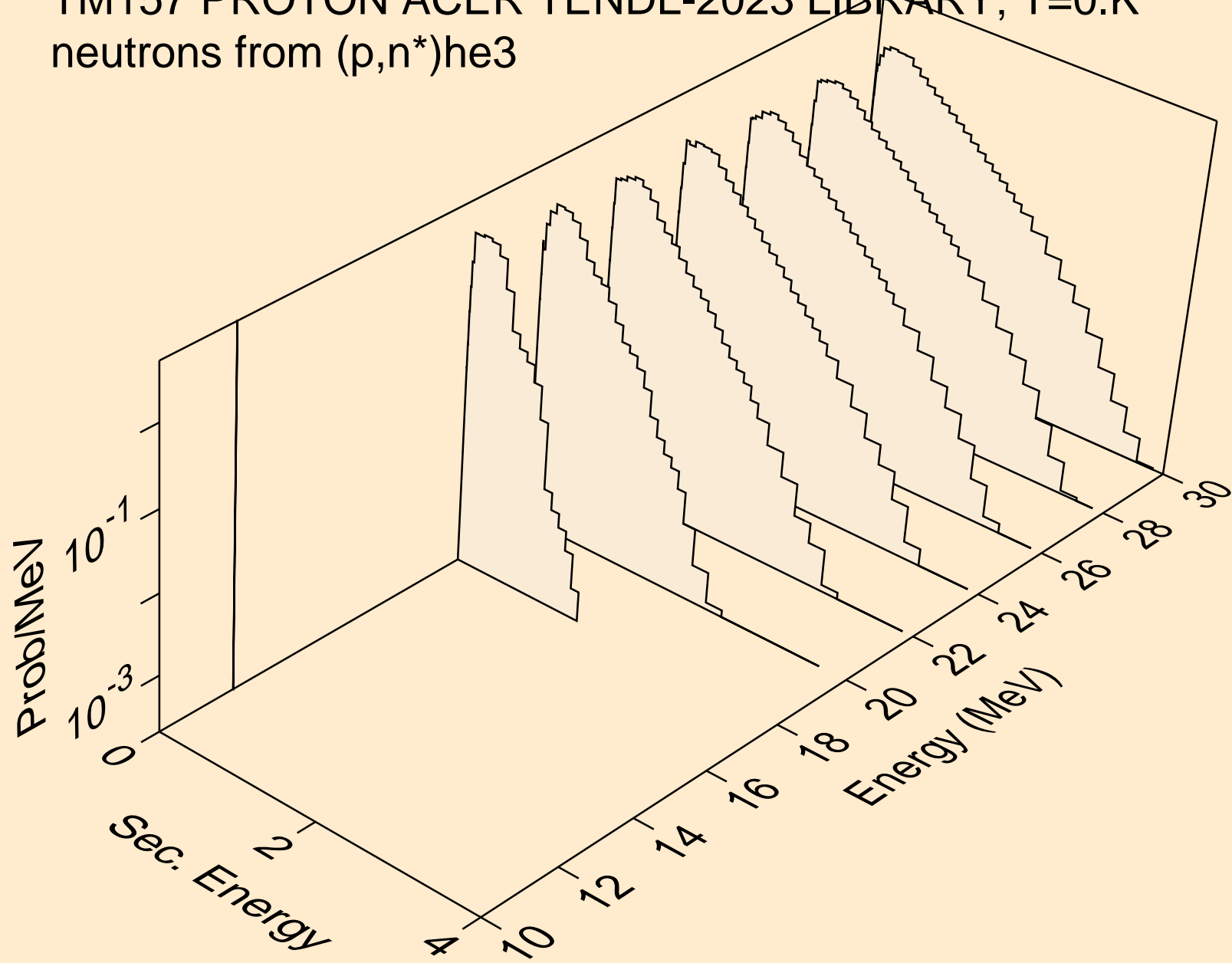


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neutrons from (p,n\*)t

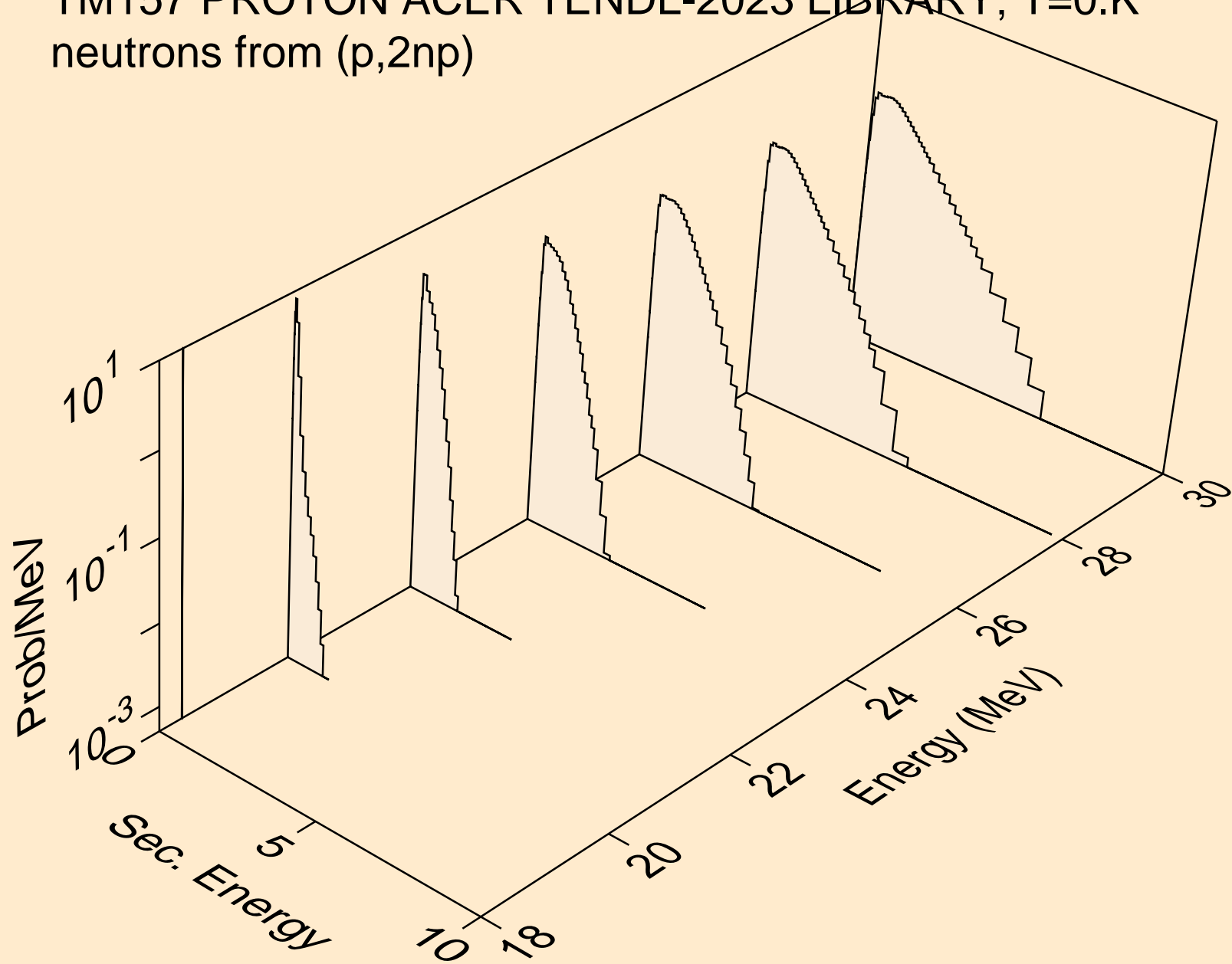




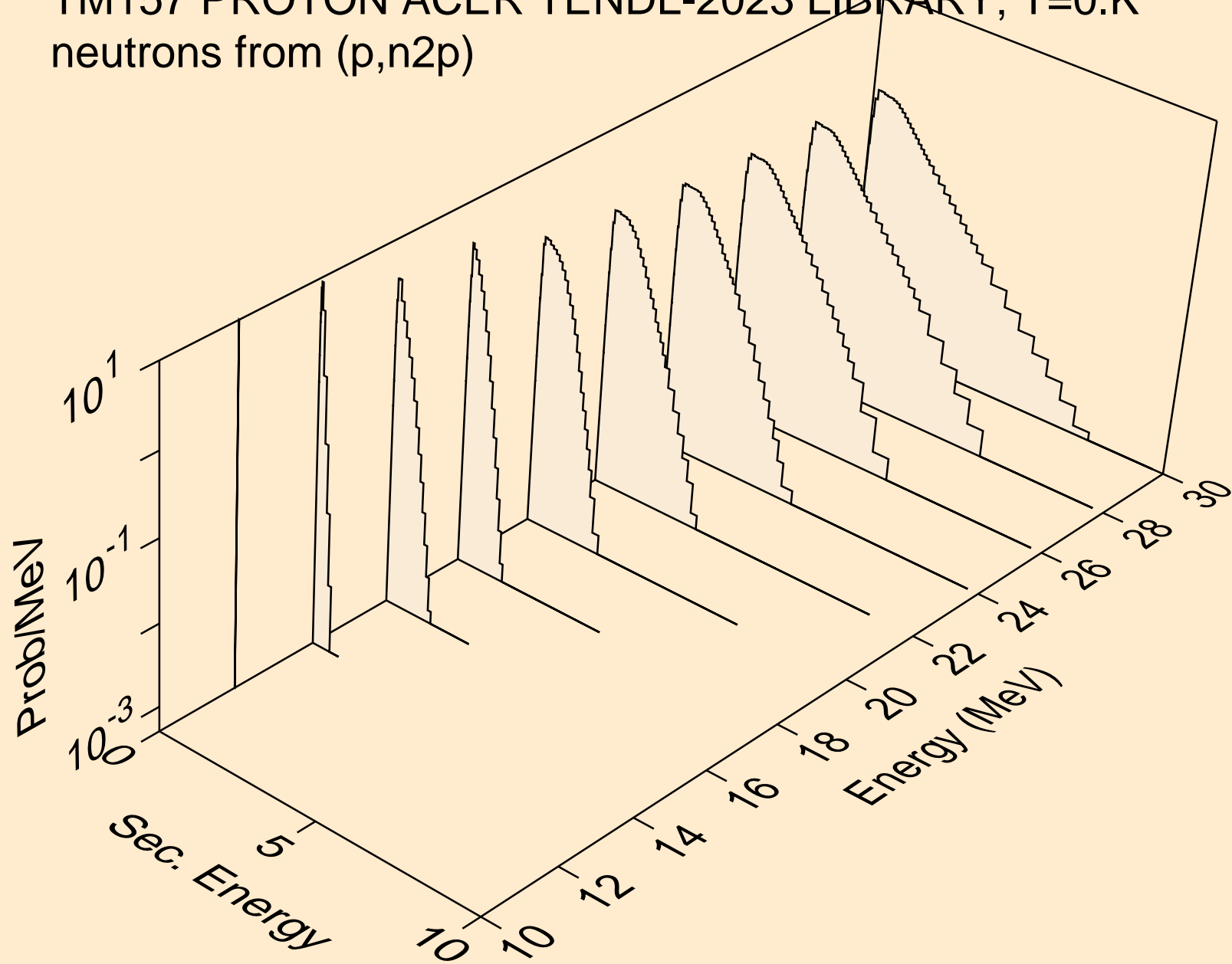
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neutrons from (p,n\*)he3



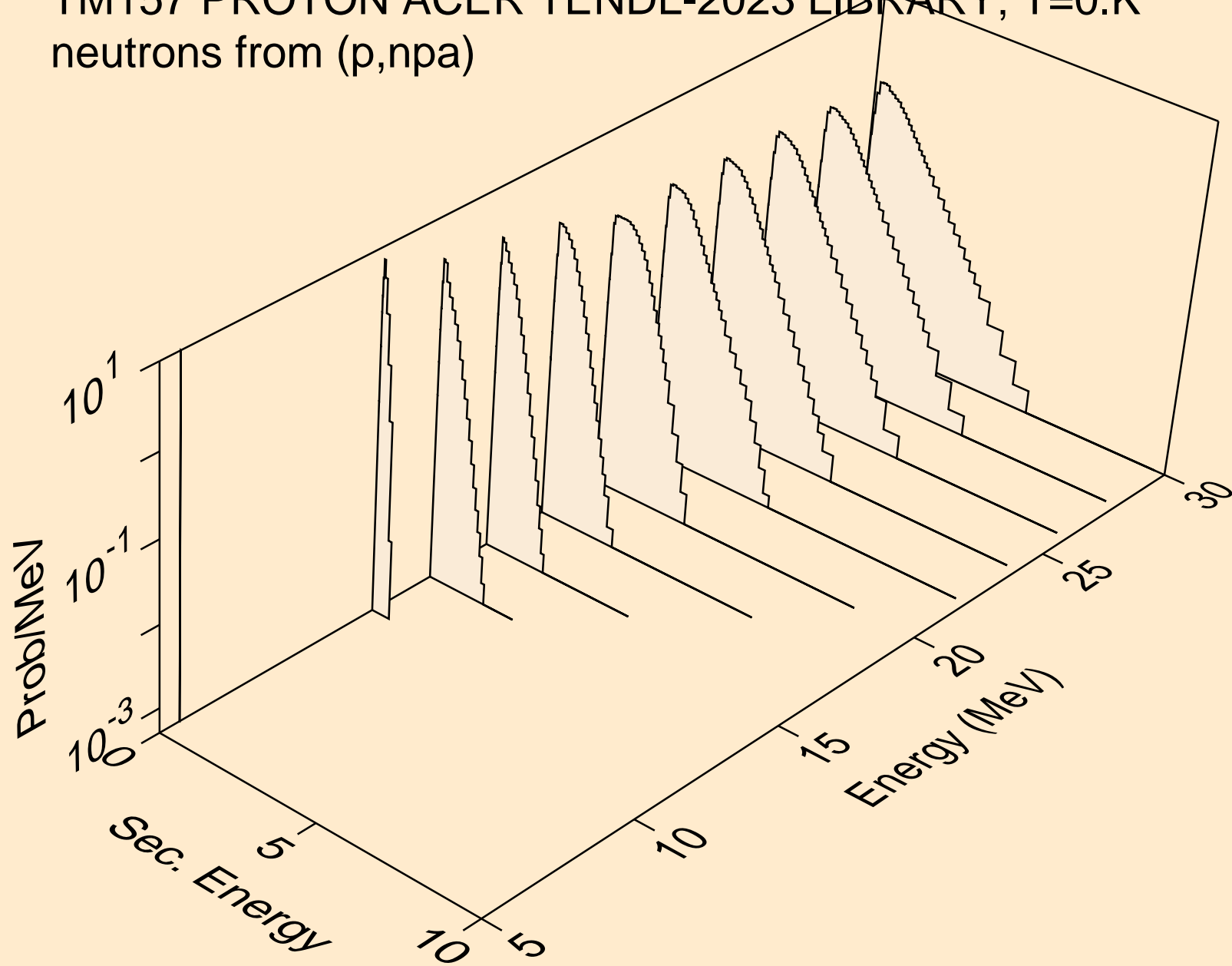
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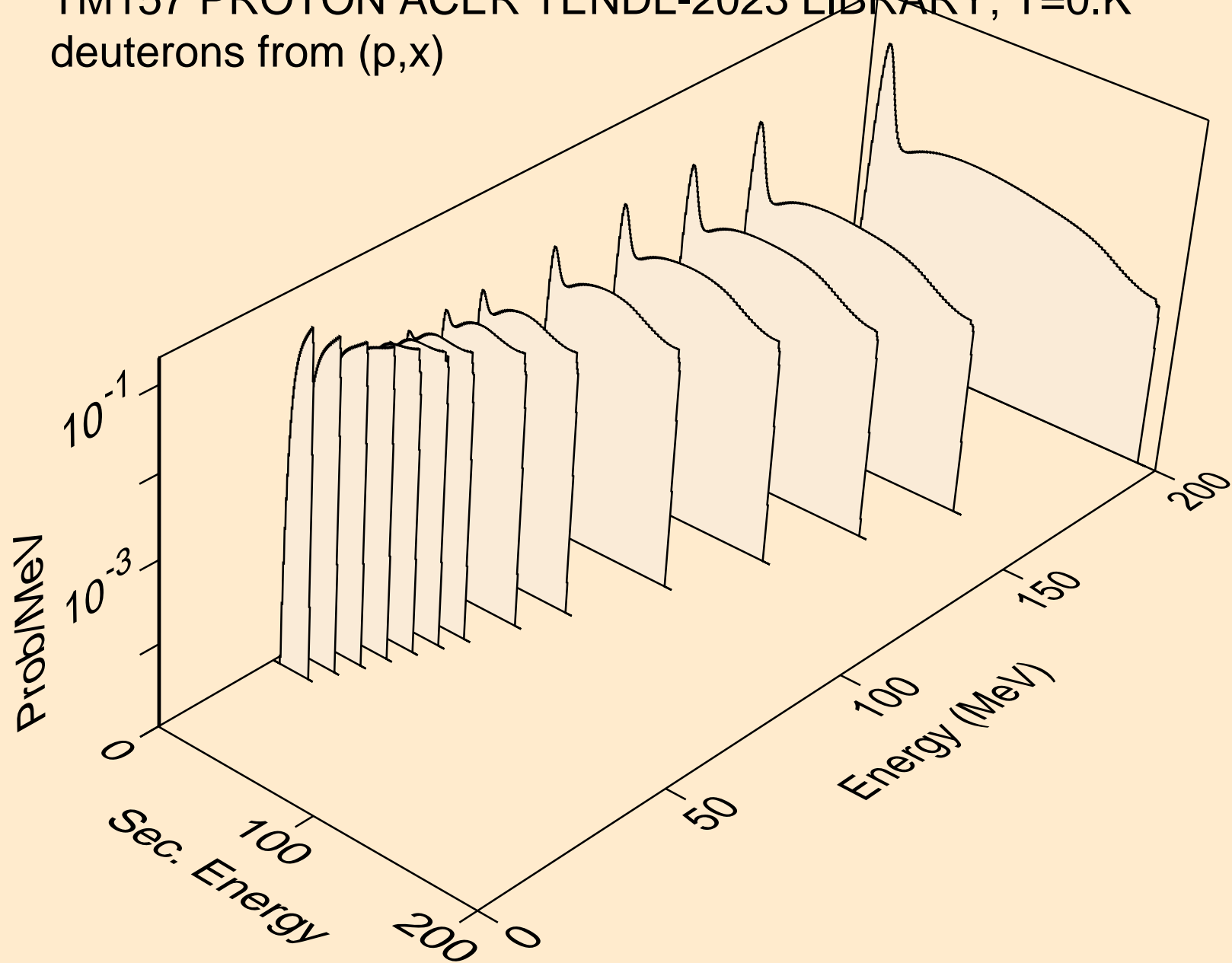
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neutrons from (p,n2p)



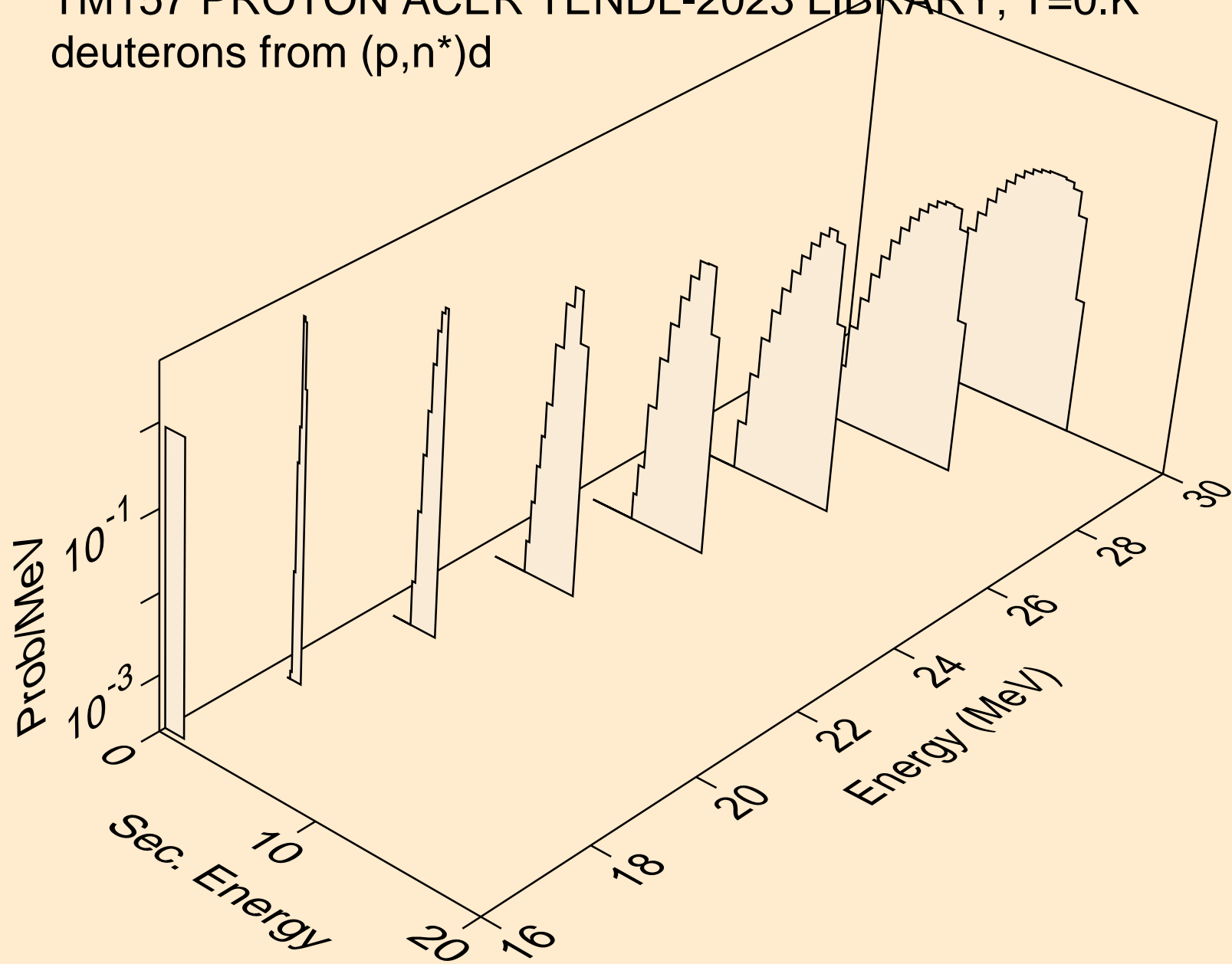
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neutrons from (p,npa)



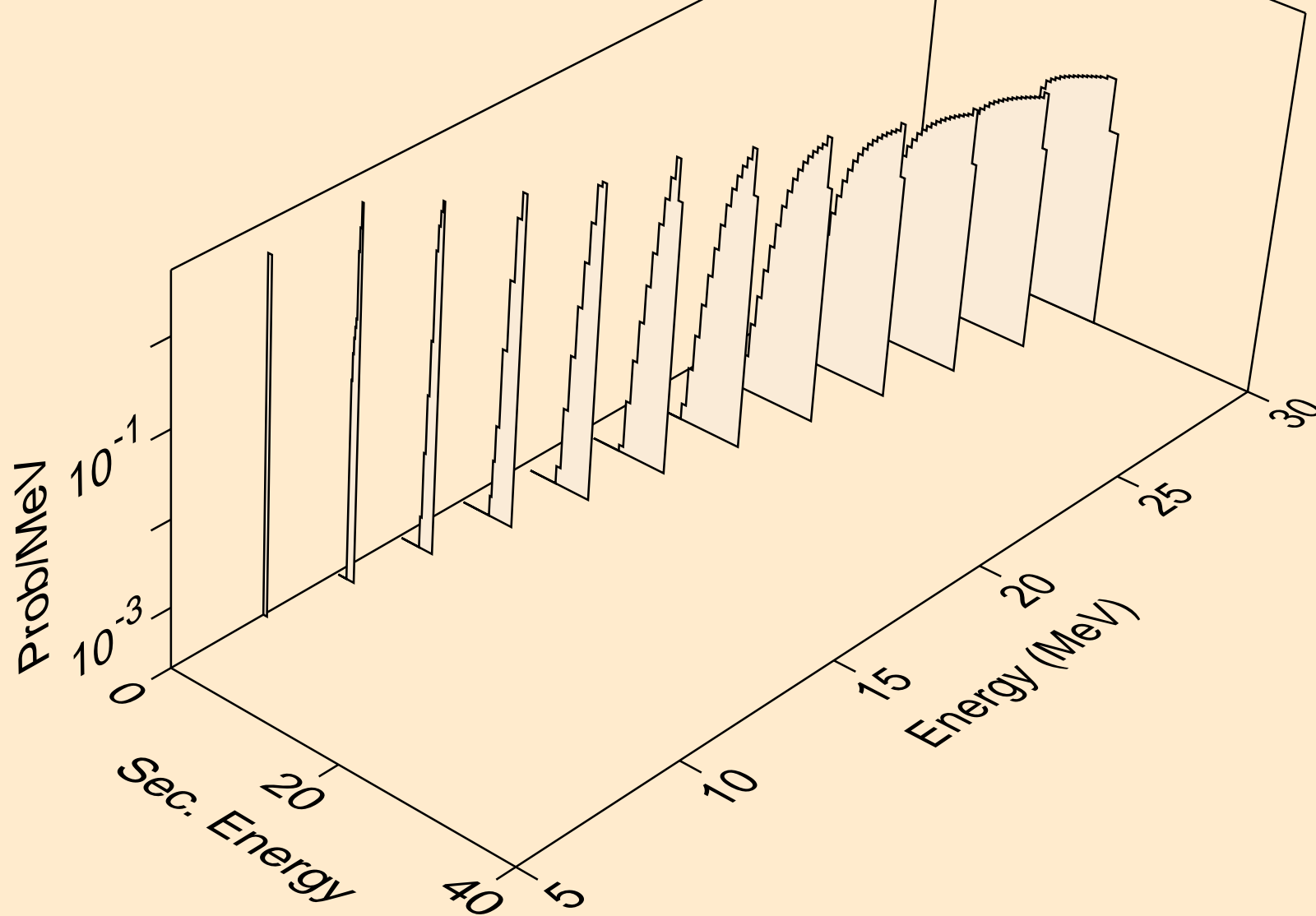
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deuterons from (p,x)



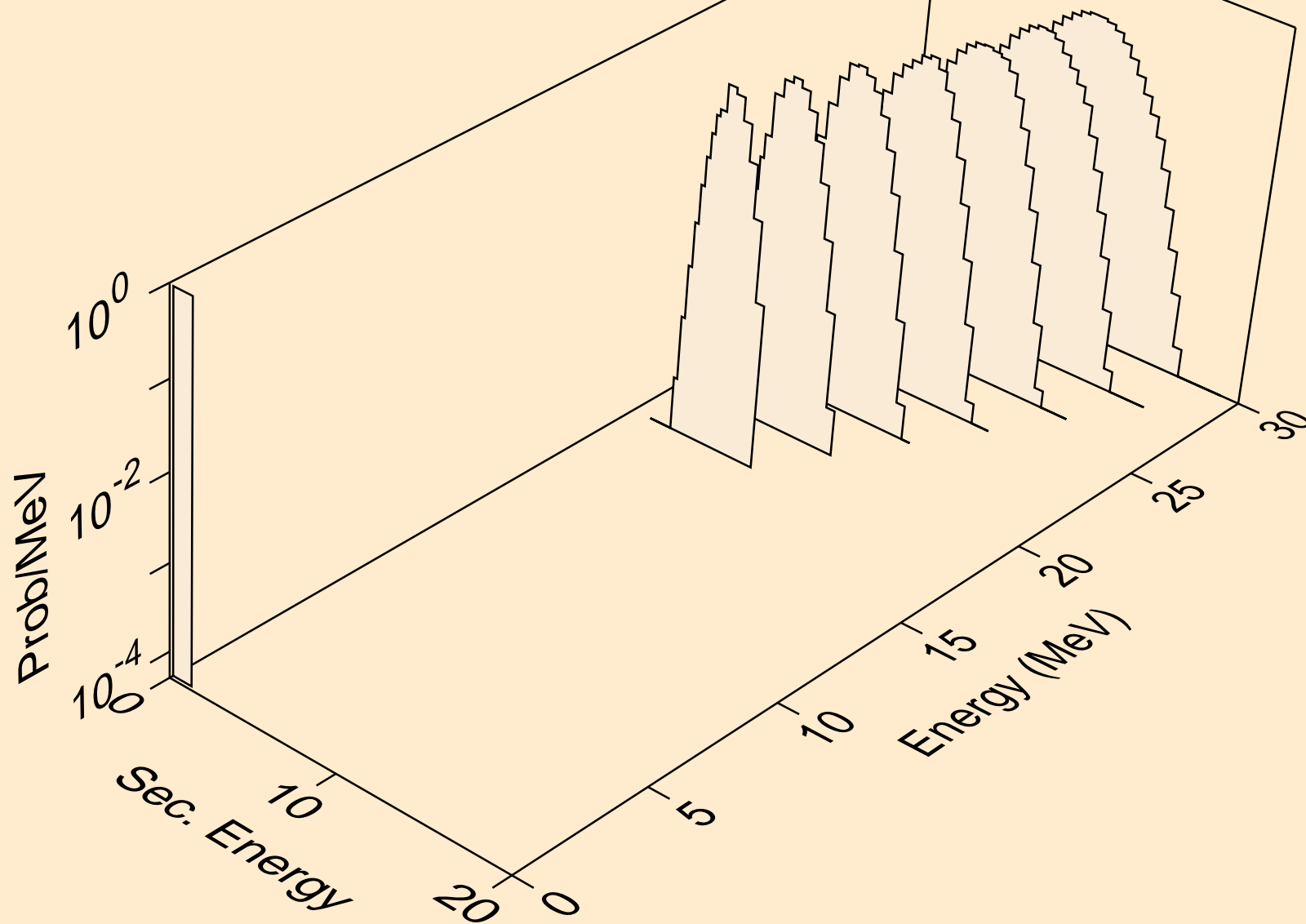
TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,n\*)d



TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,d)

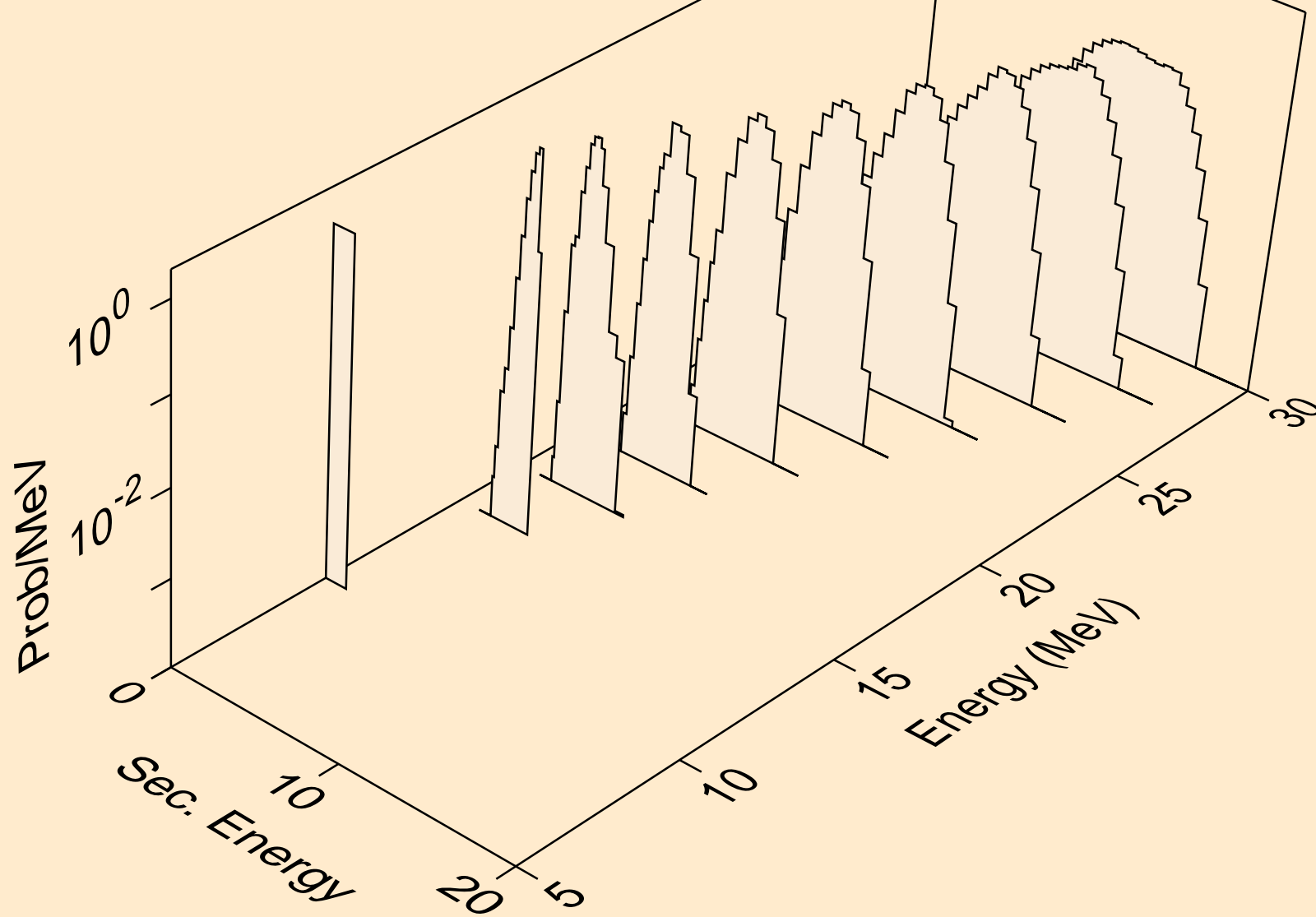


TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,d2a)

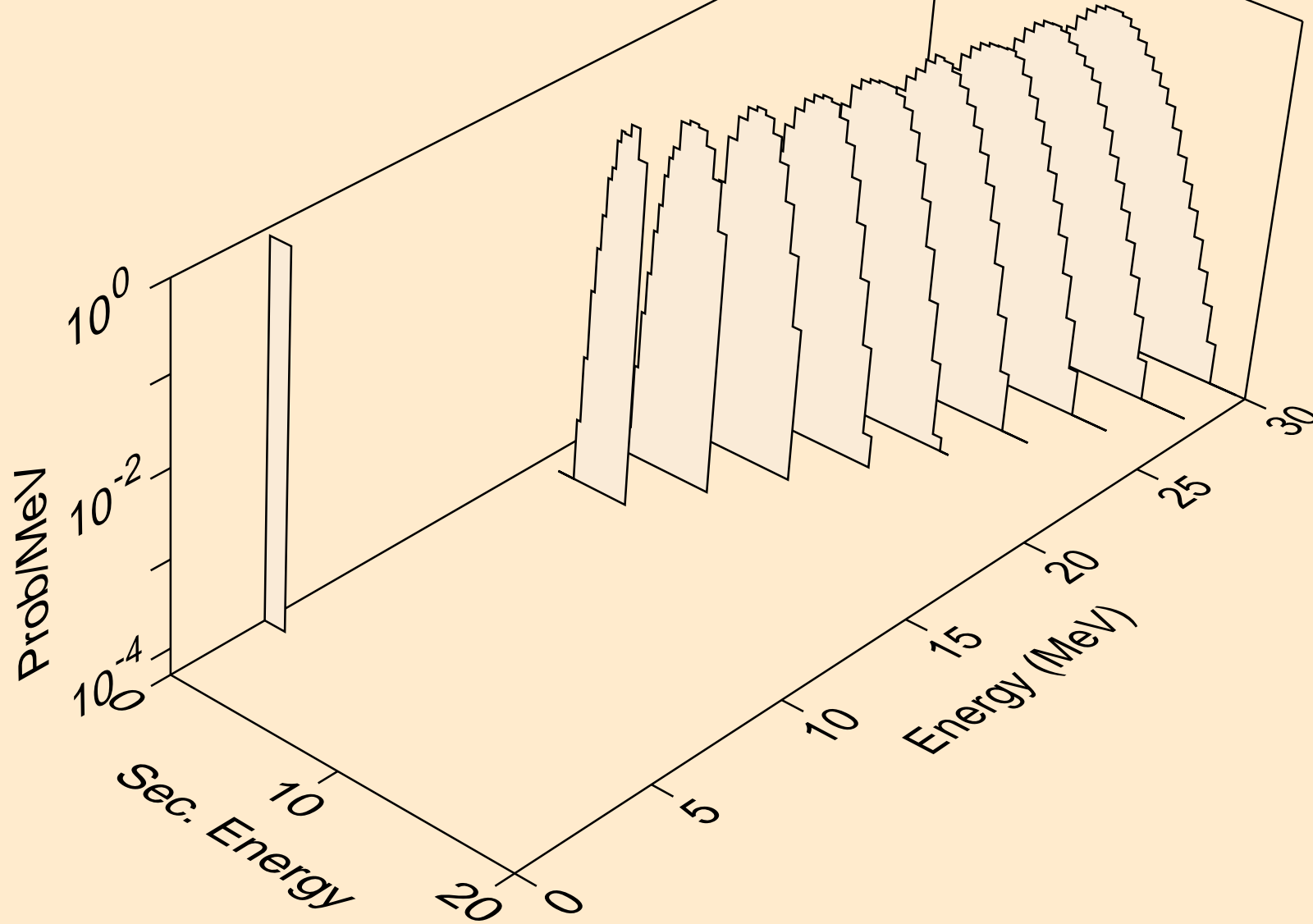




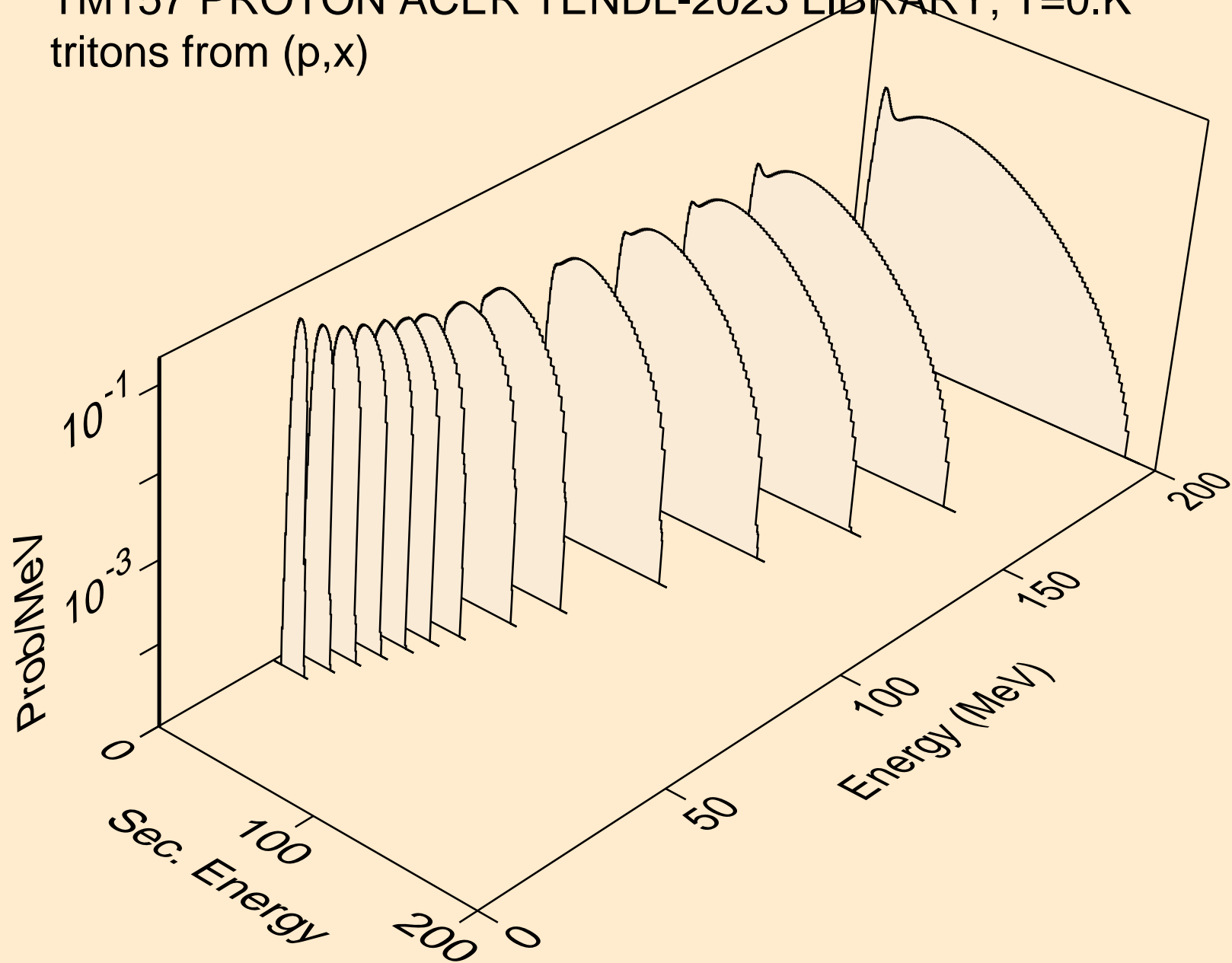
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deuterons from (p,pd)



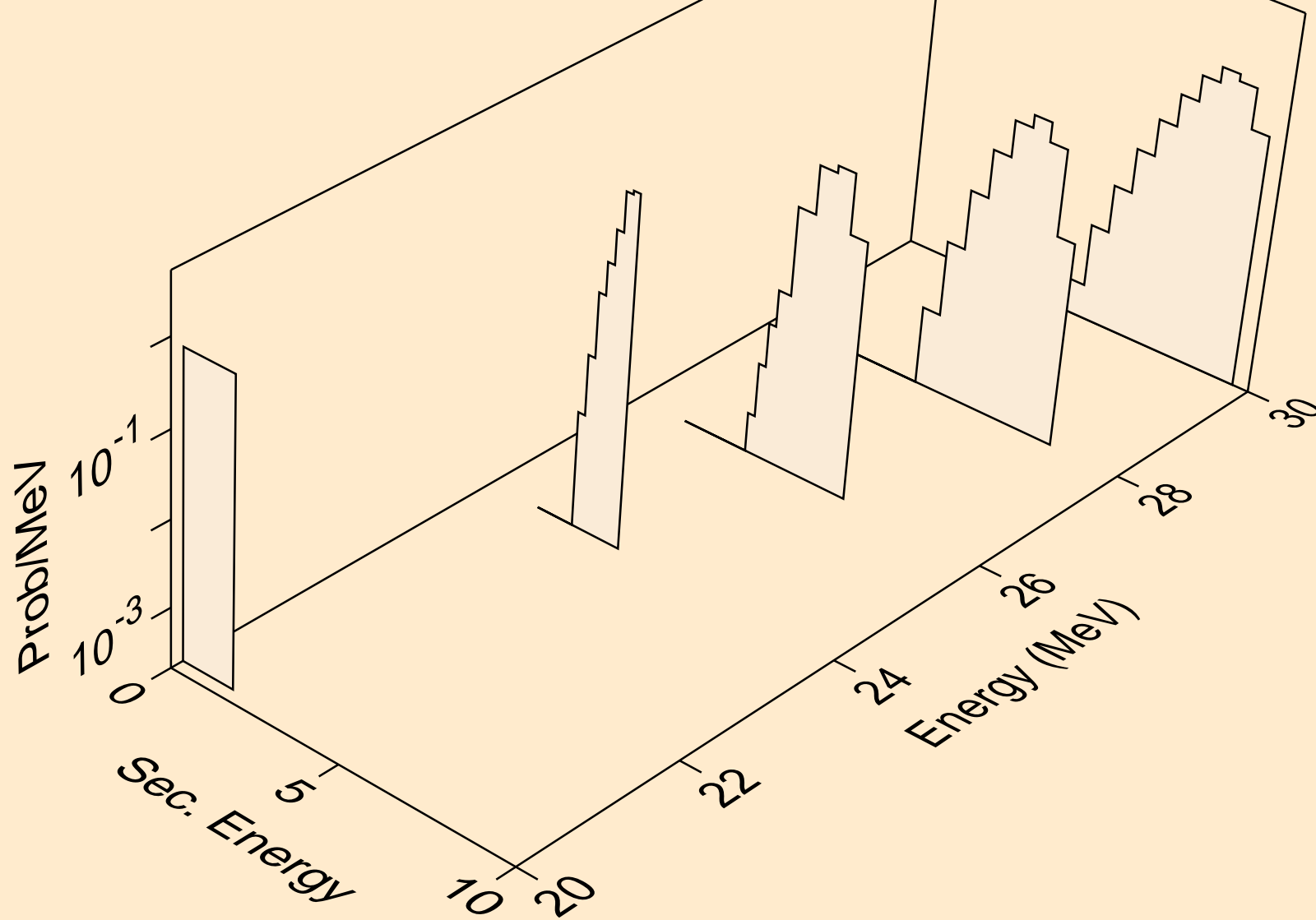
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deuterons from (p,da)



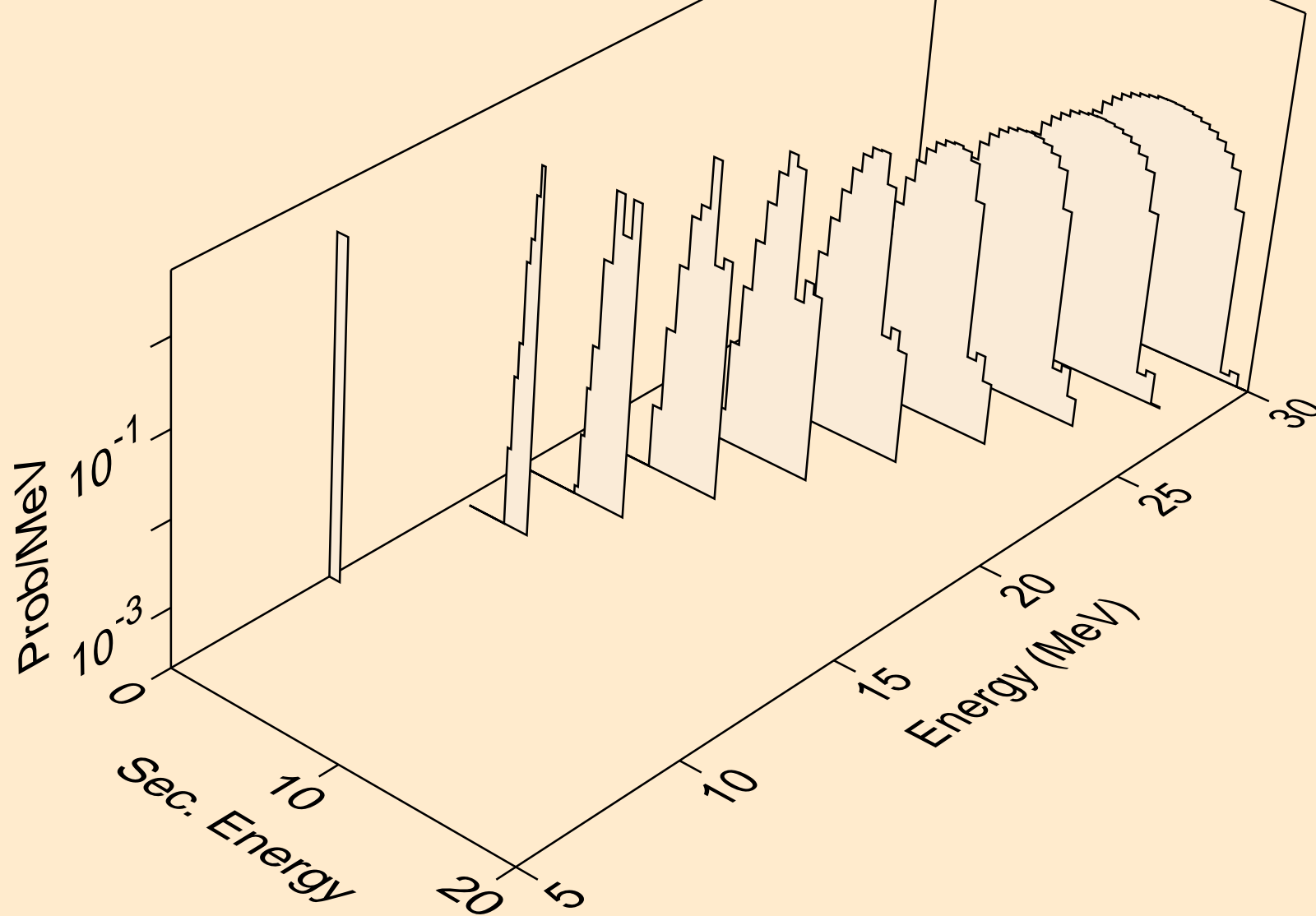
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tritons from (p,x)



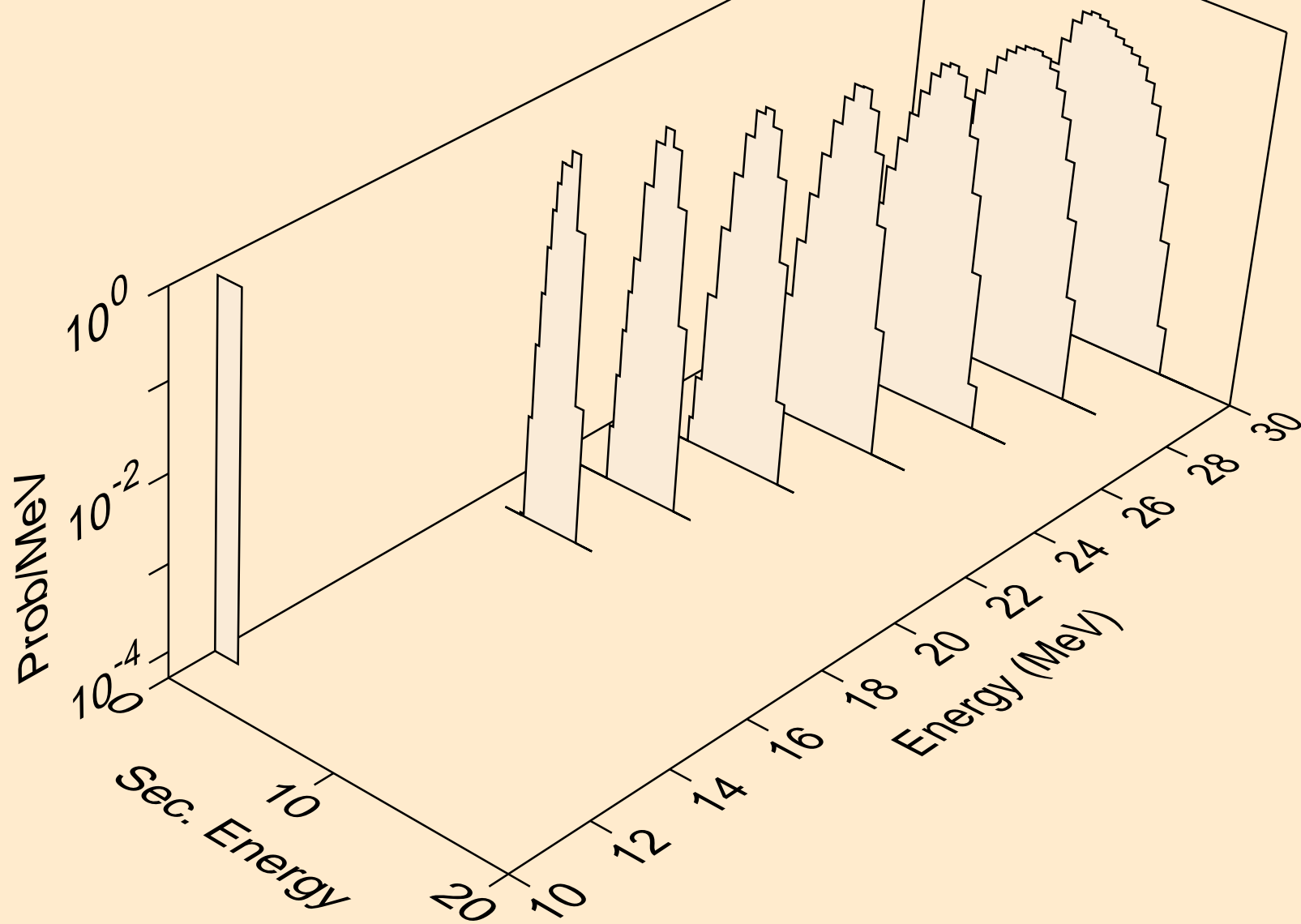
TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,n\*)t



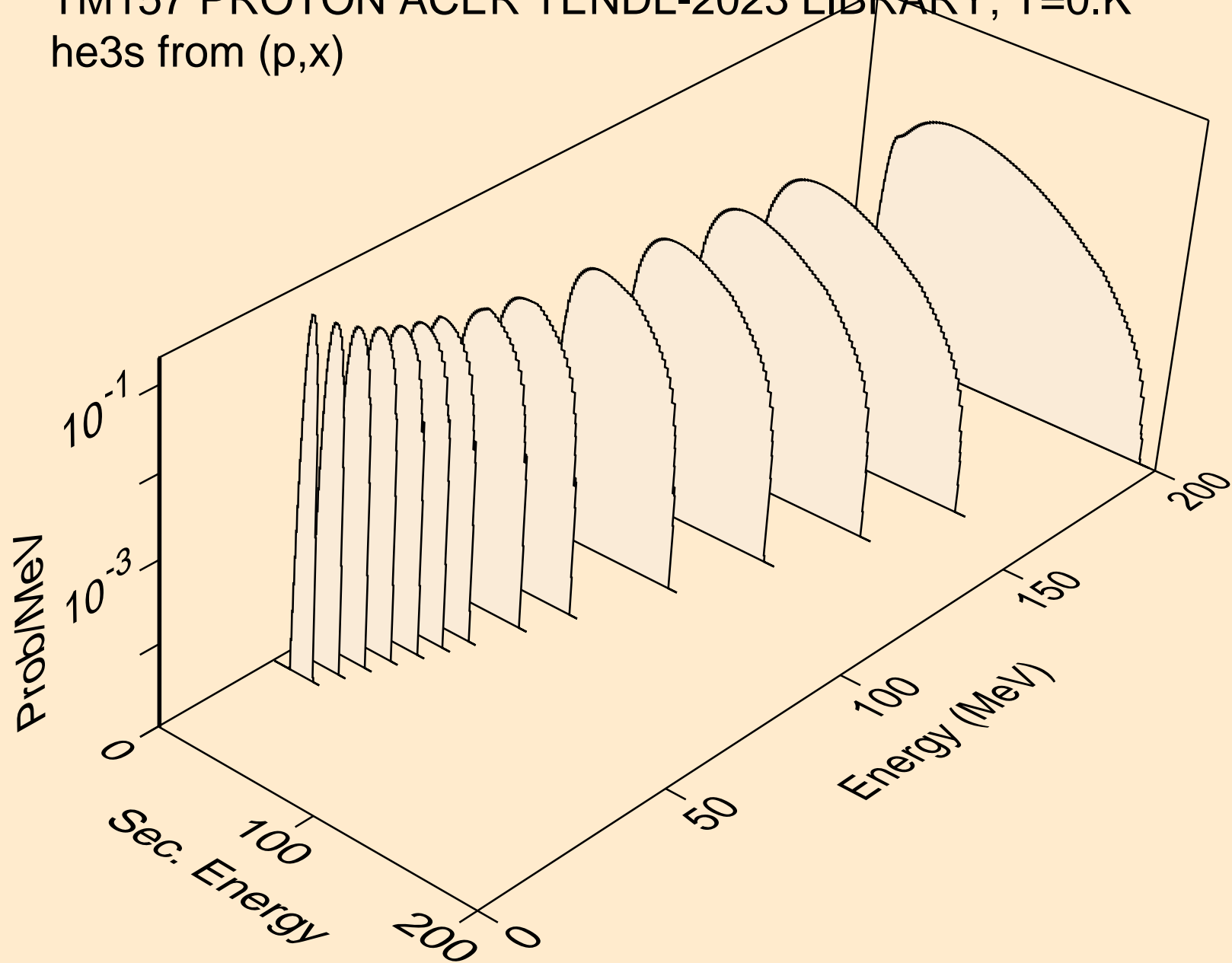
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tritons from (p,t)



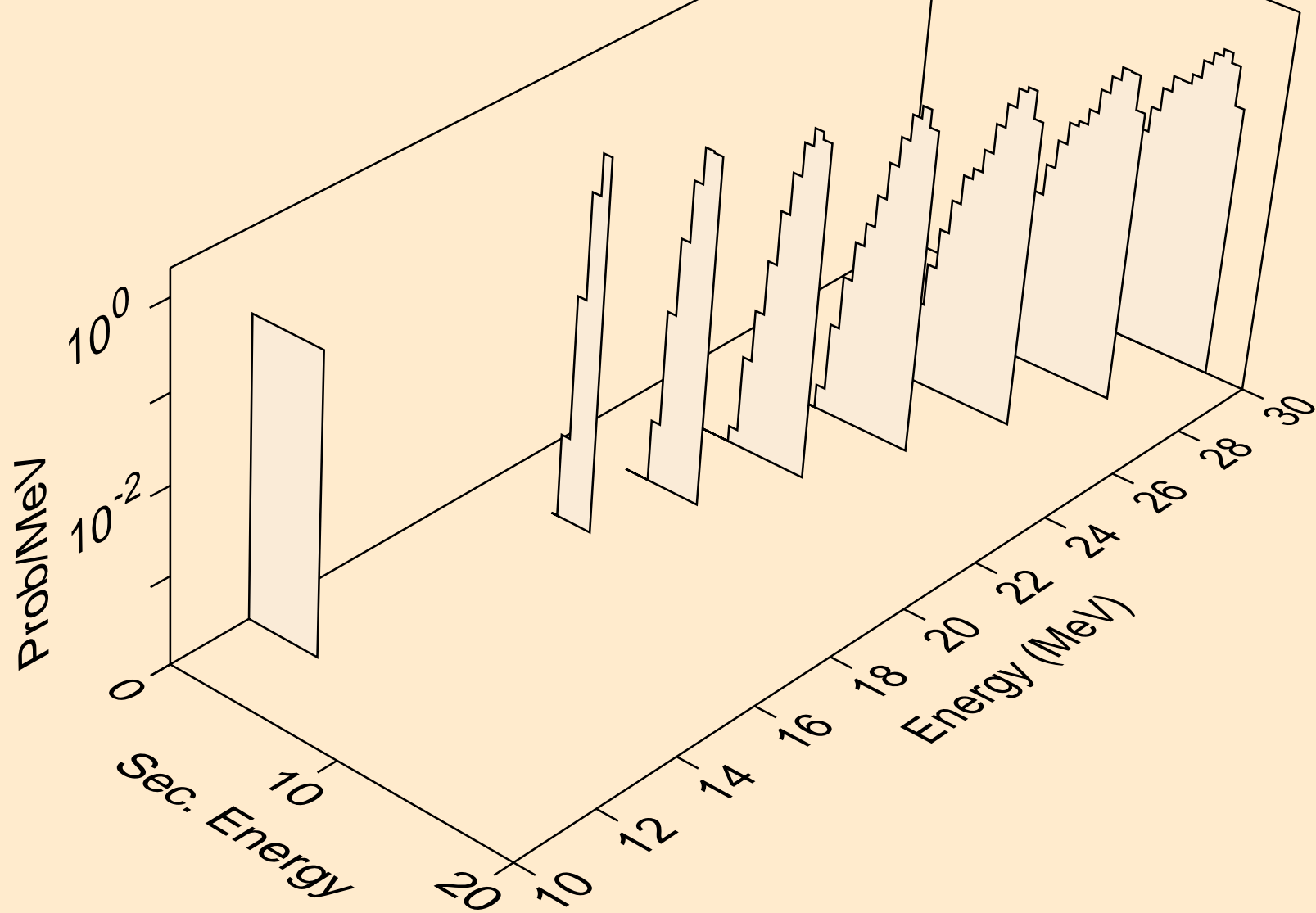
TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,pt)



TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)

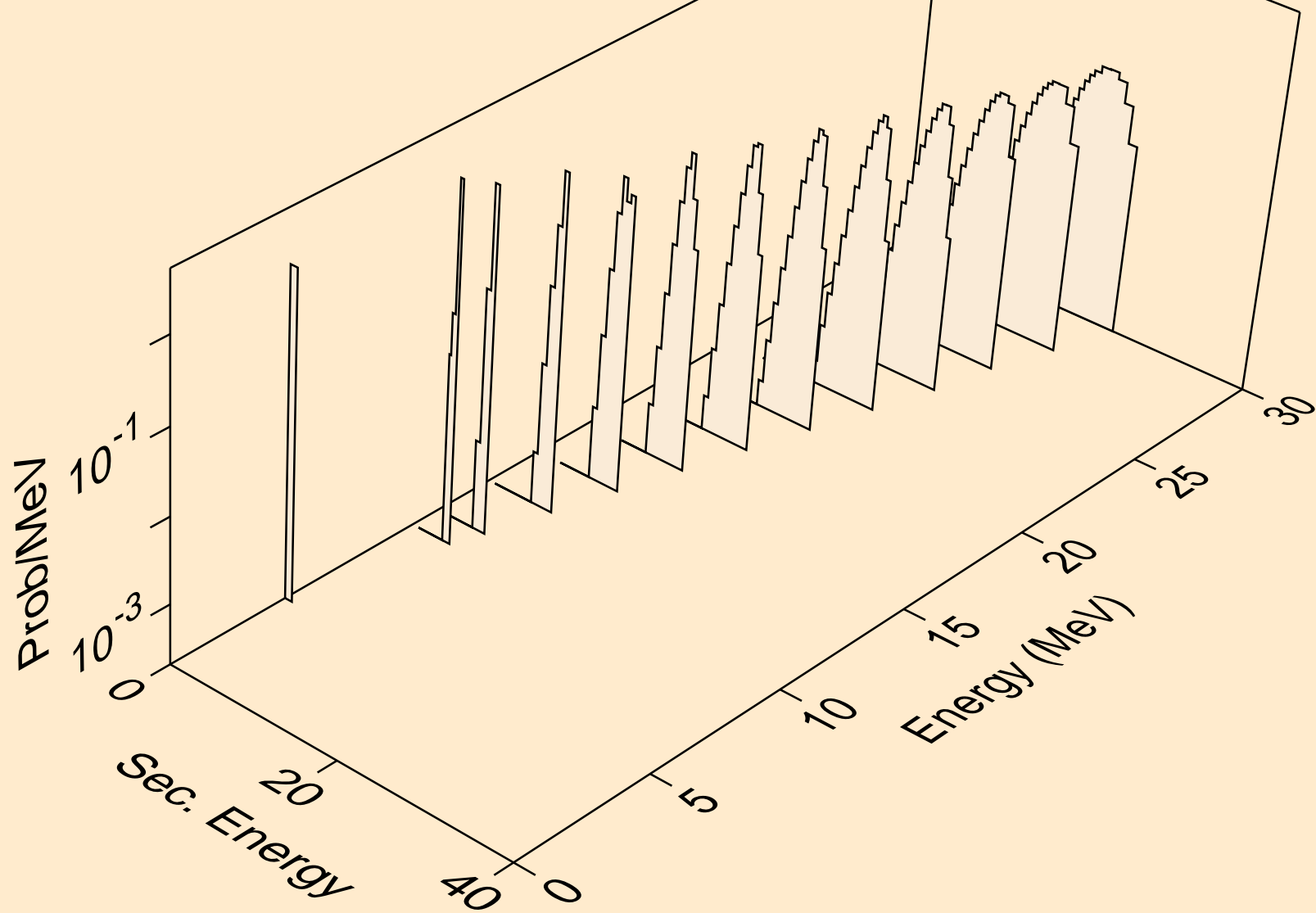


TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3

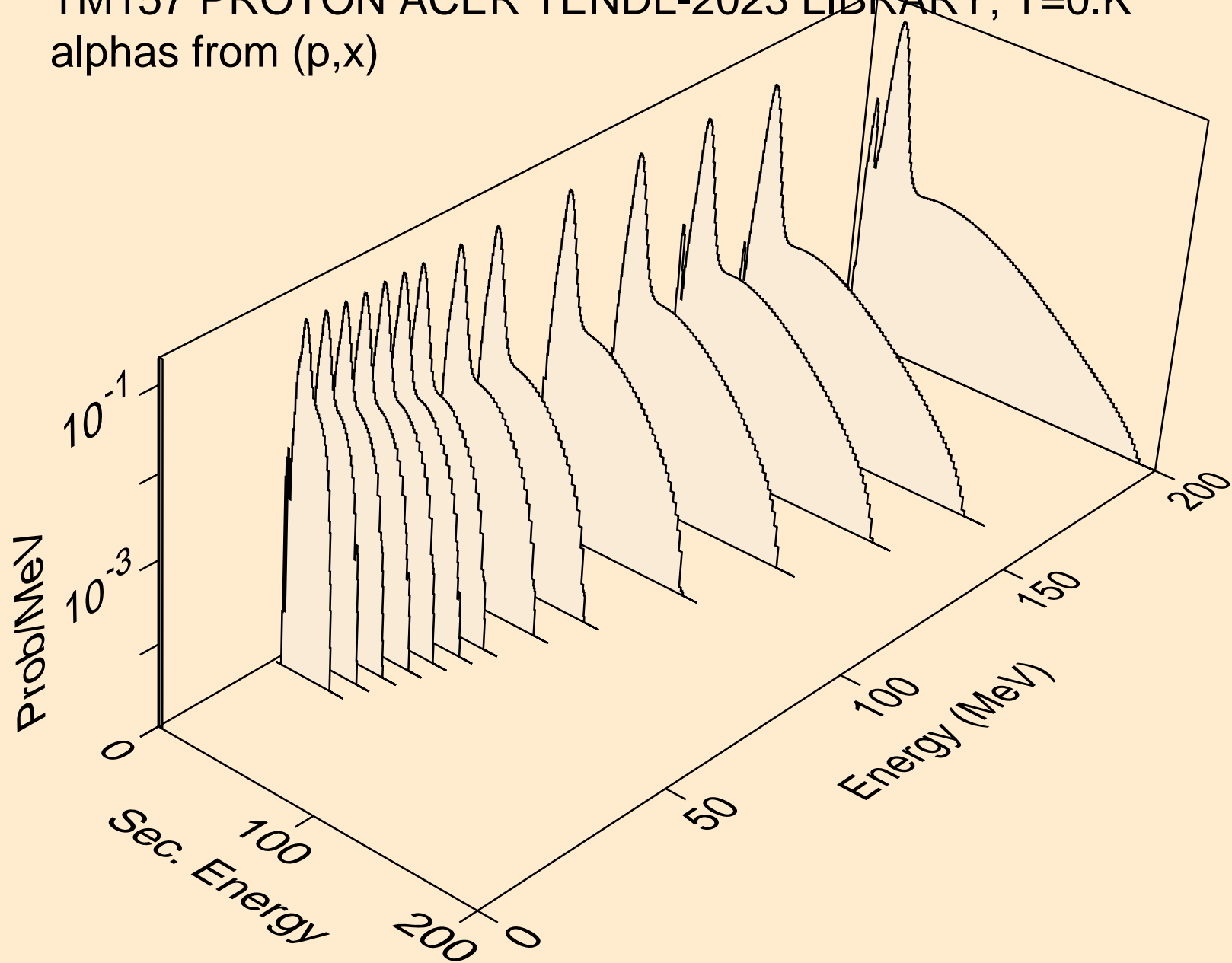




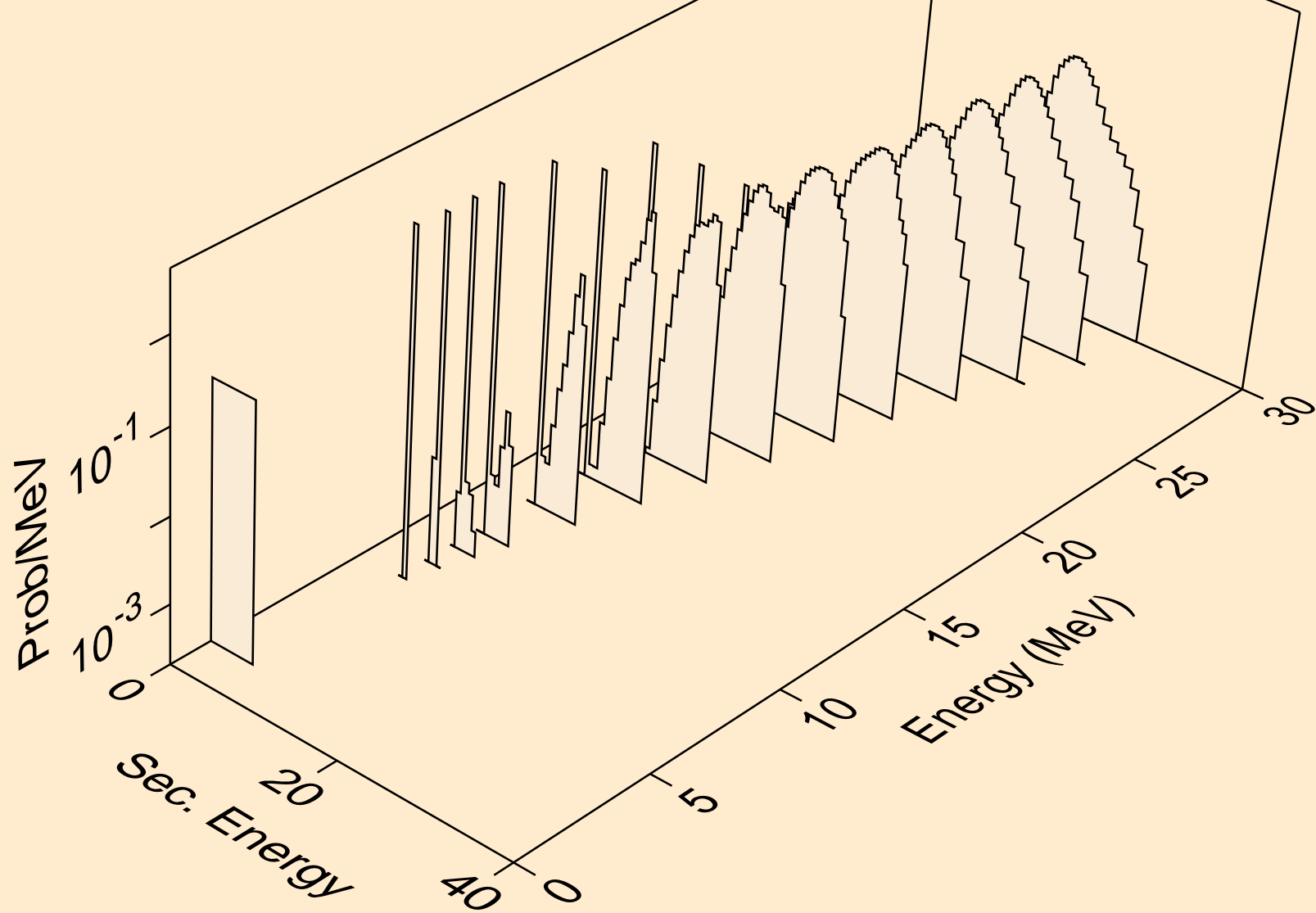
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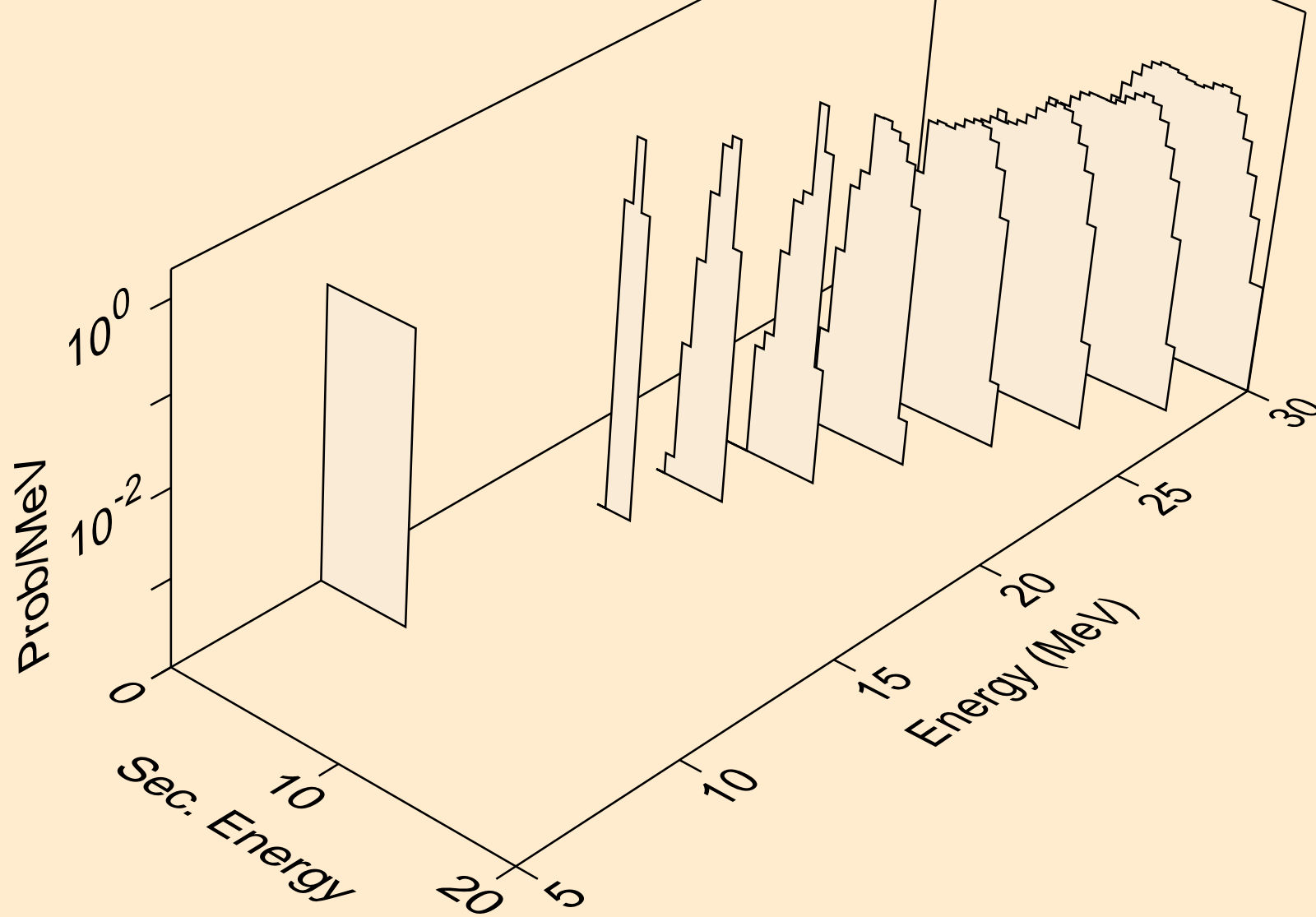
TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)



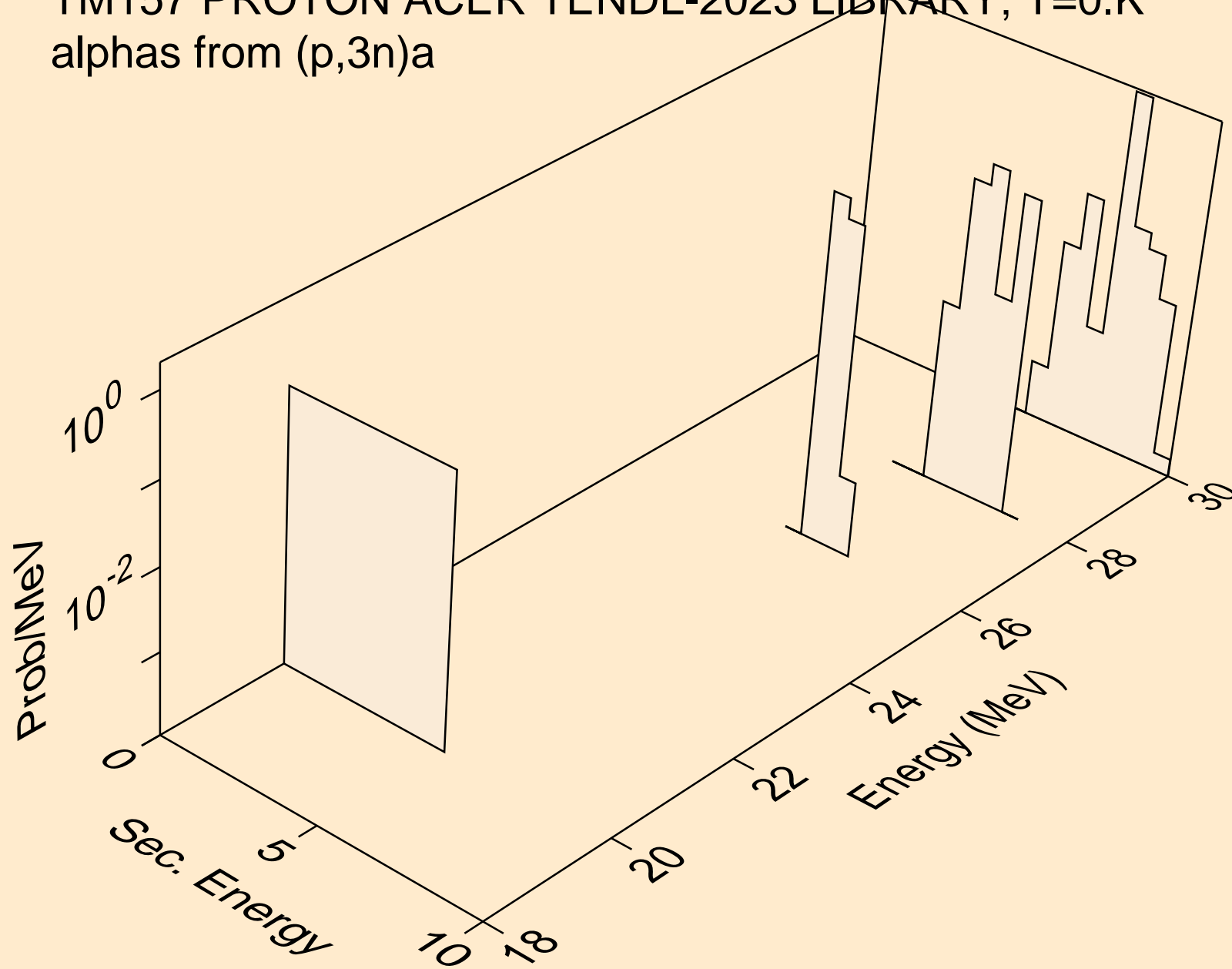
TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a



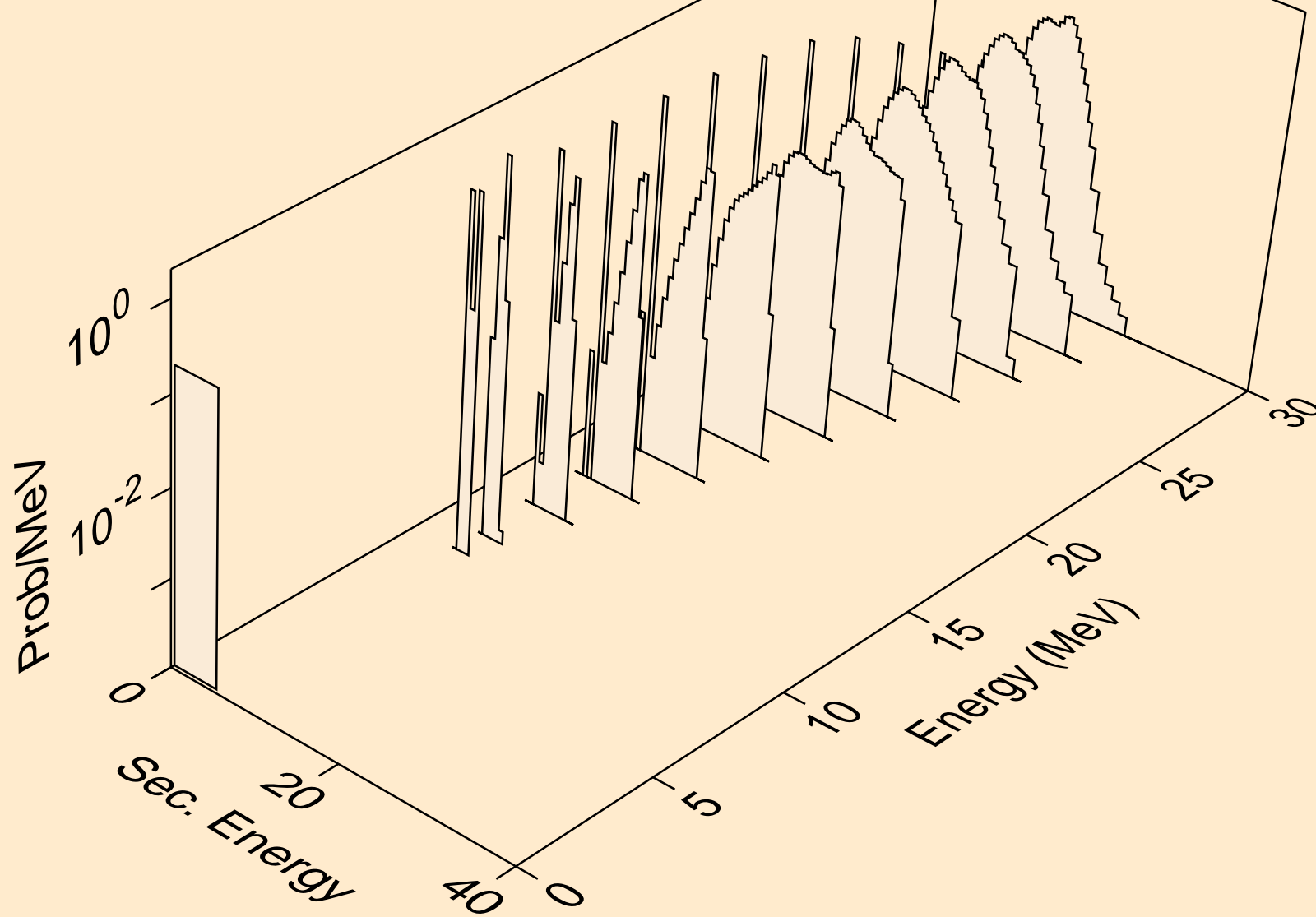
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alphas from (p,2n)a



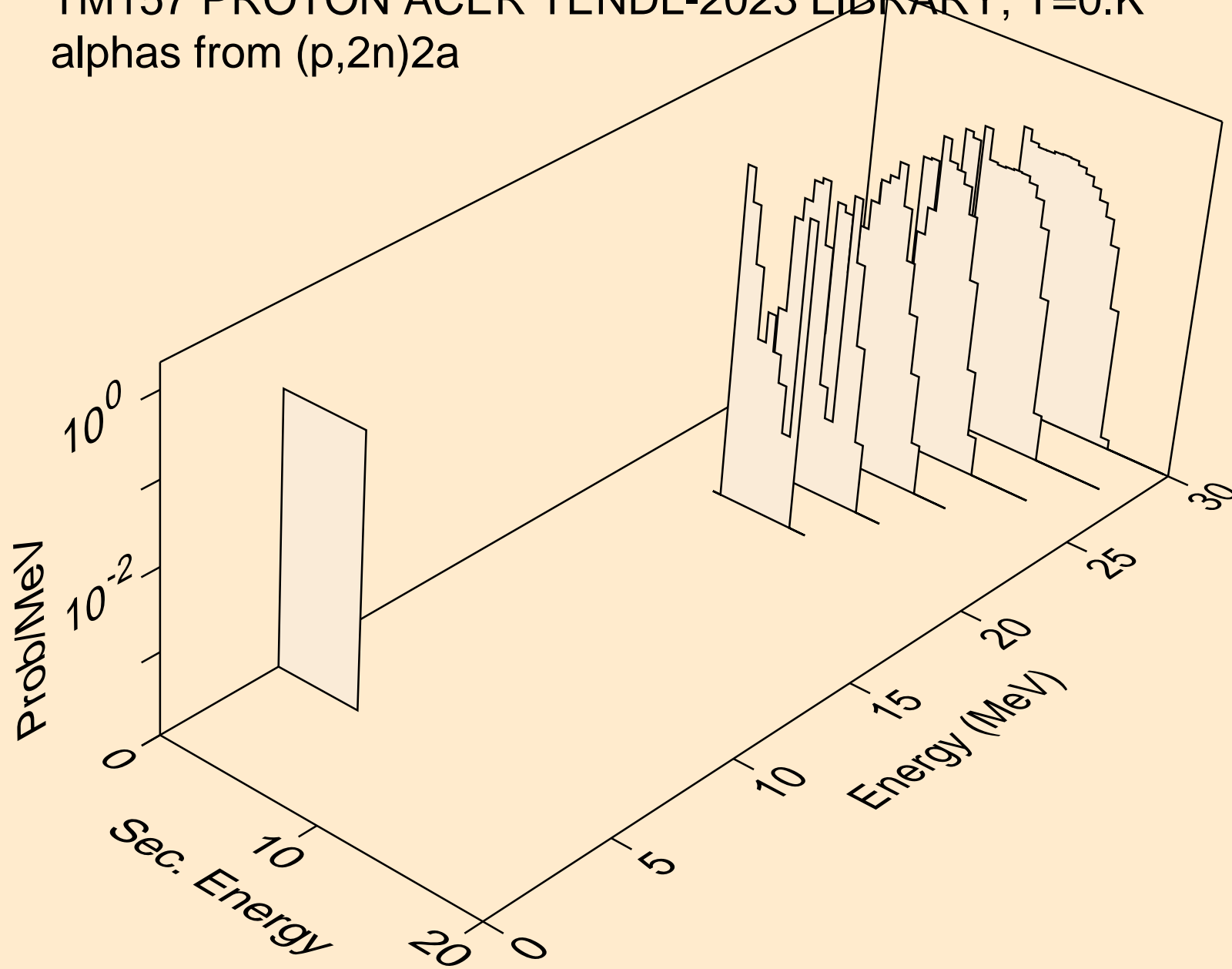
TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3n)a



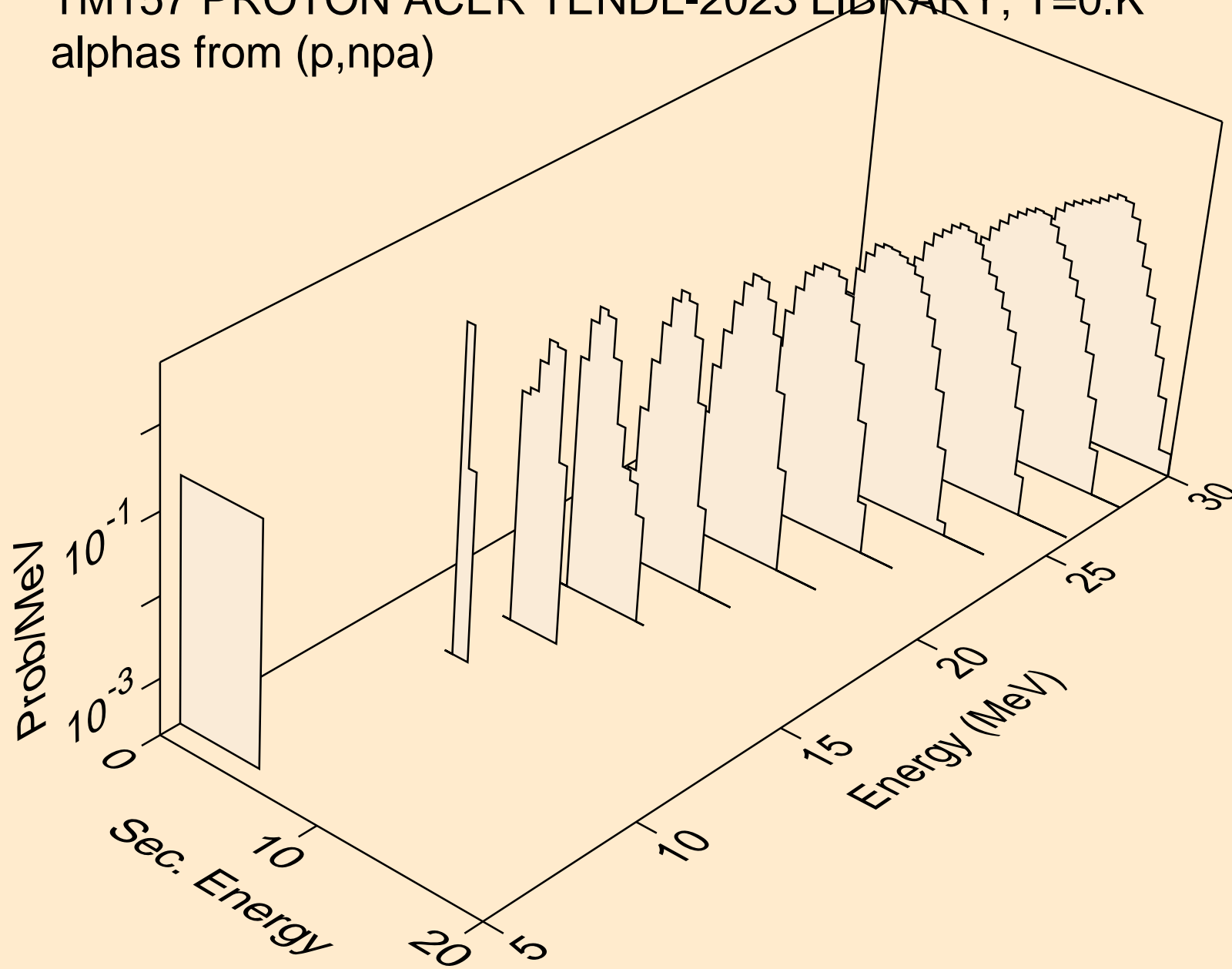
TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)2a



TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)2a

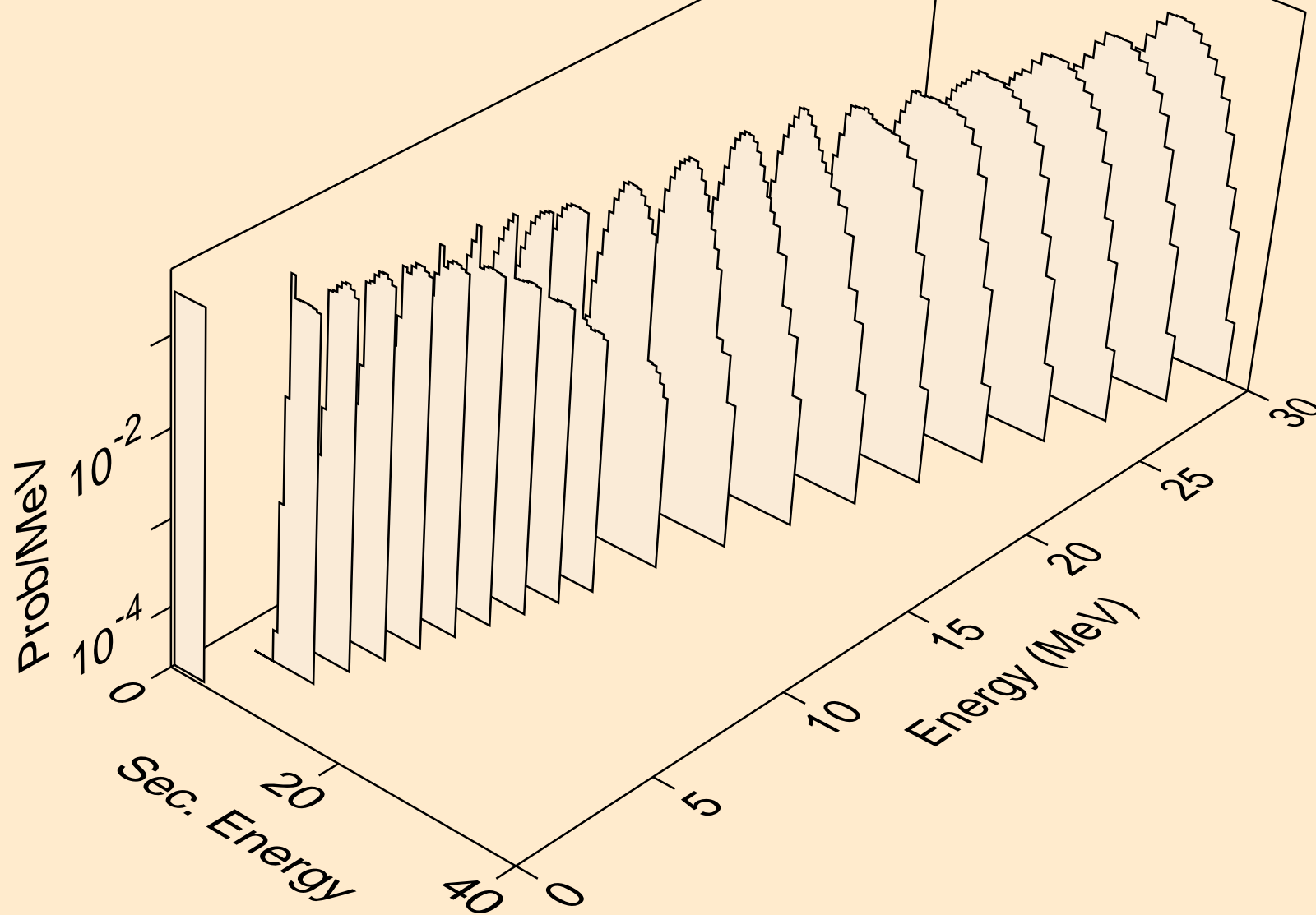


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alphas from (p,npa)

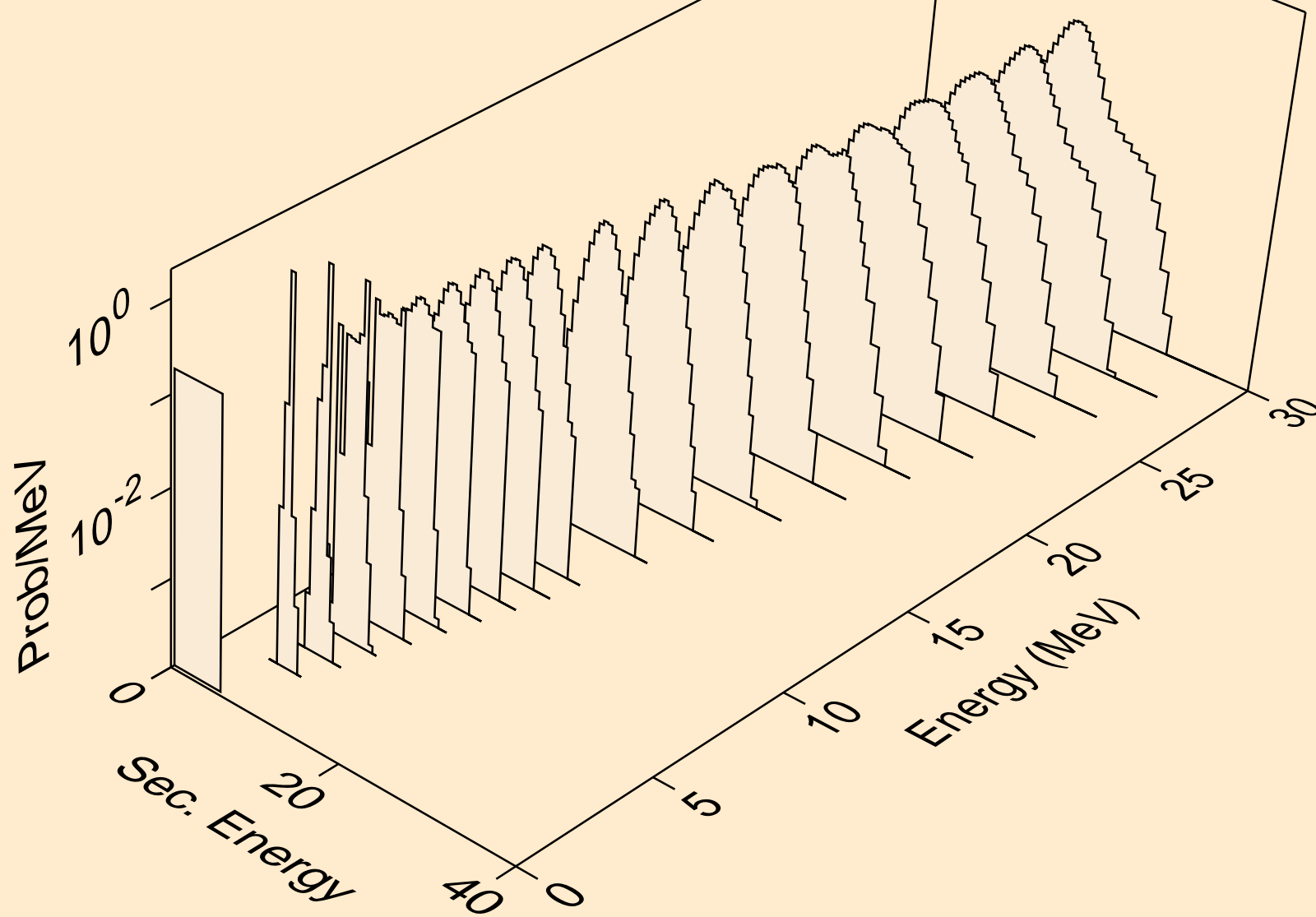




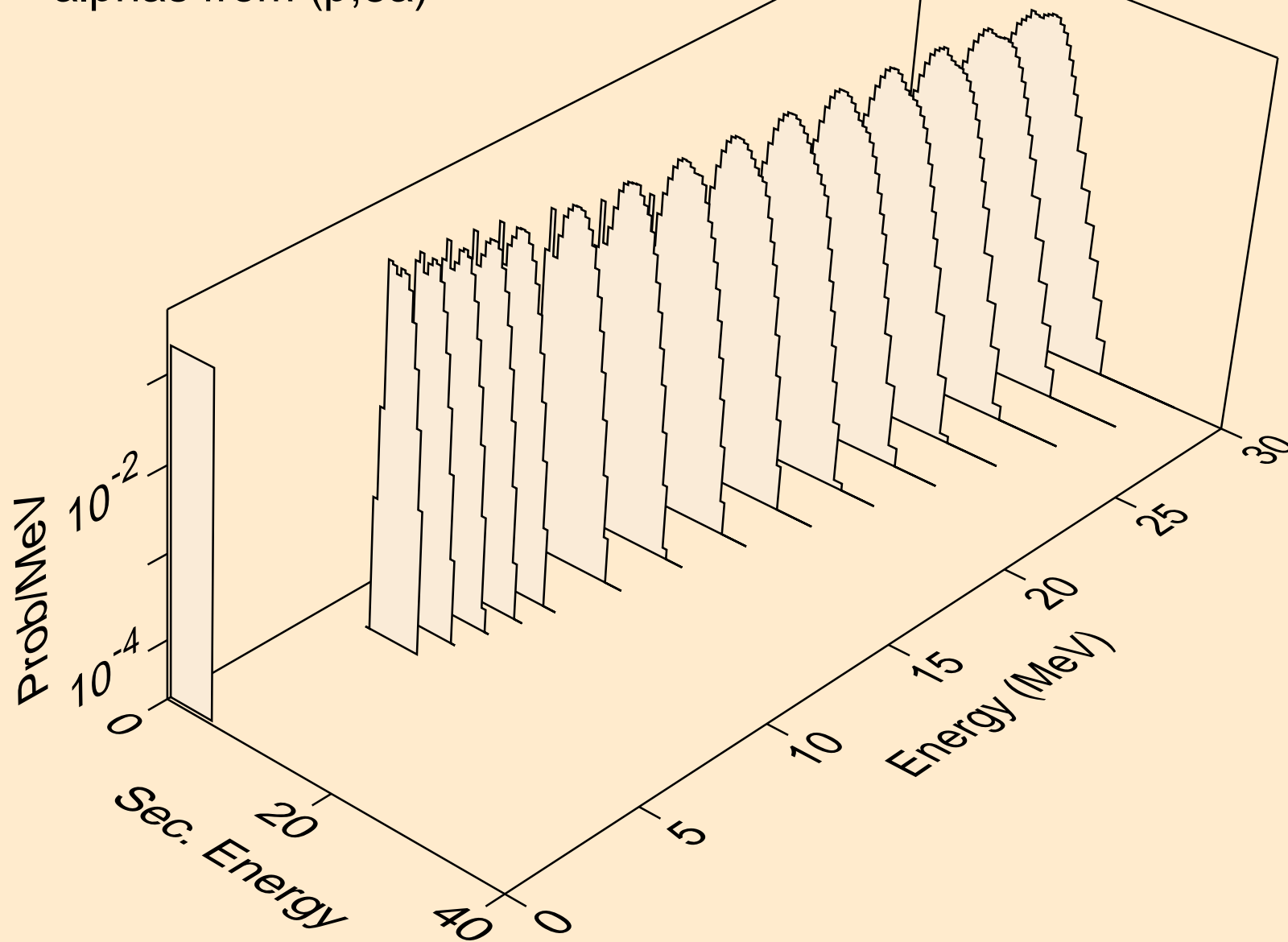
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alphas from (p,a)



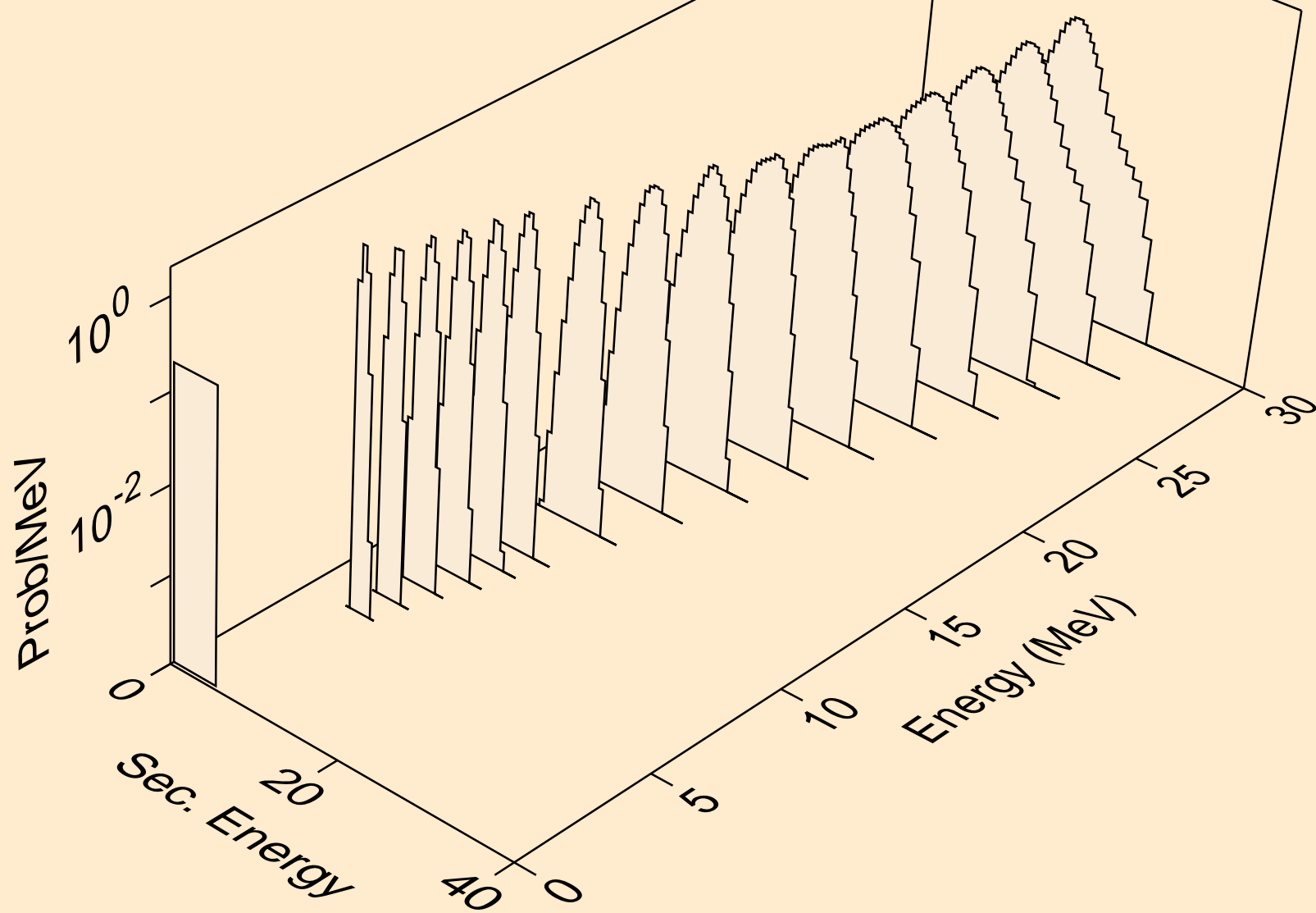
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alphas from (p,2a)



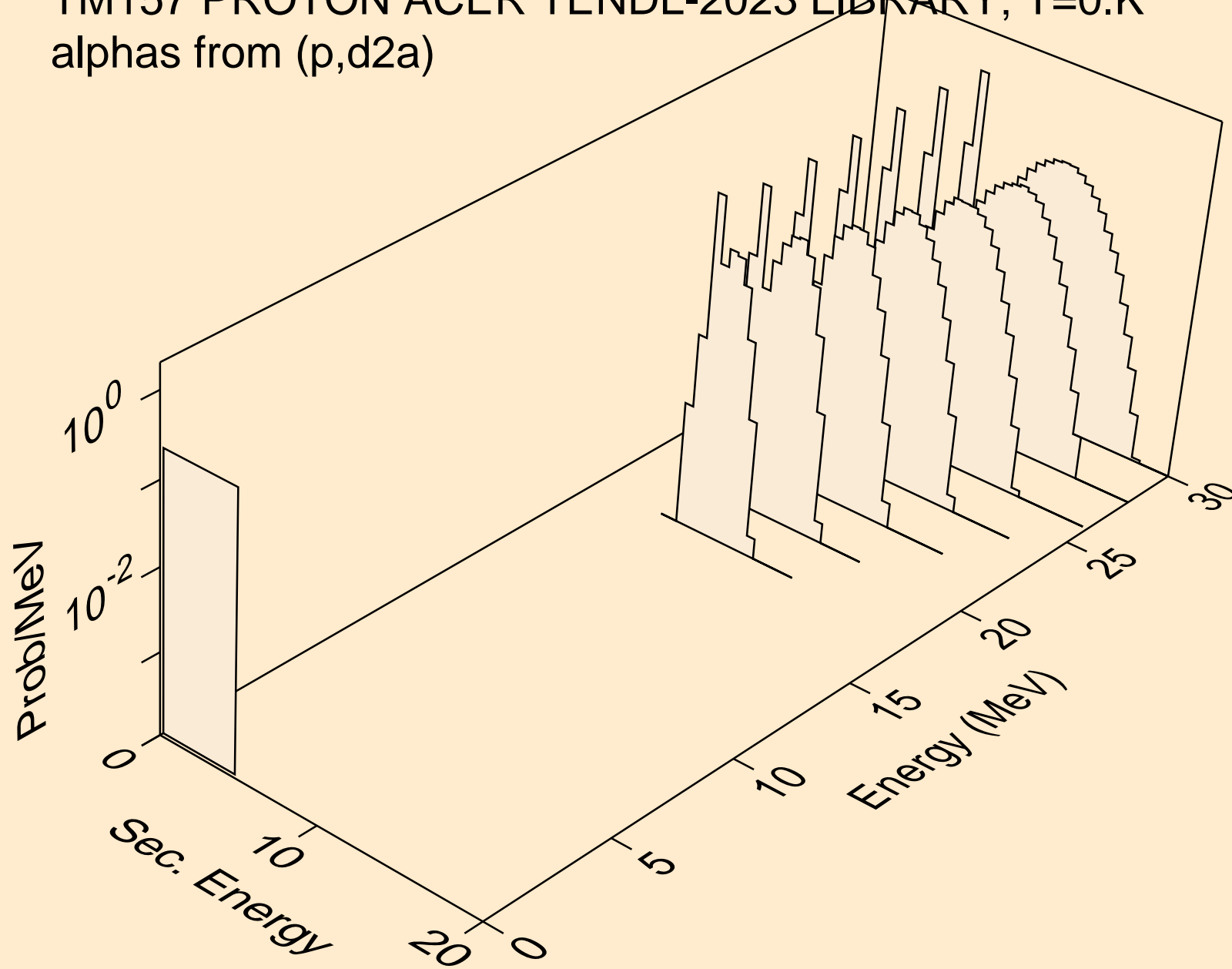
TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3a)



TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)



TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,d2a)



TM157 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,da)

