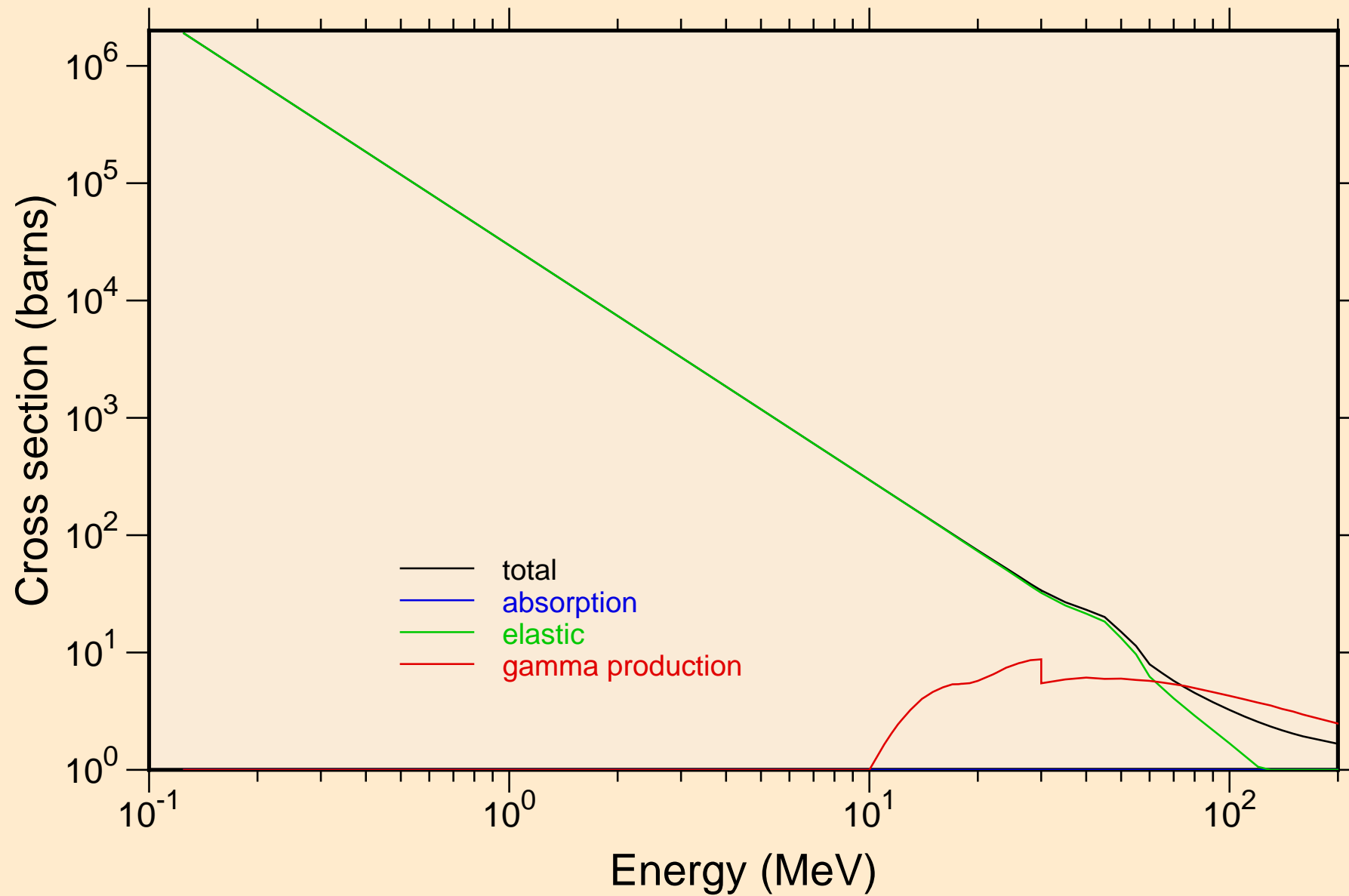
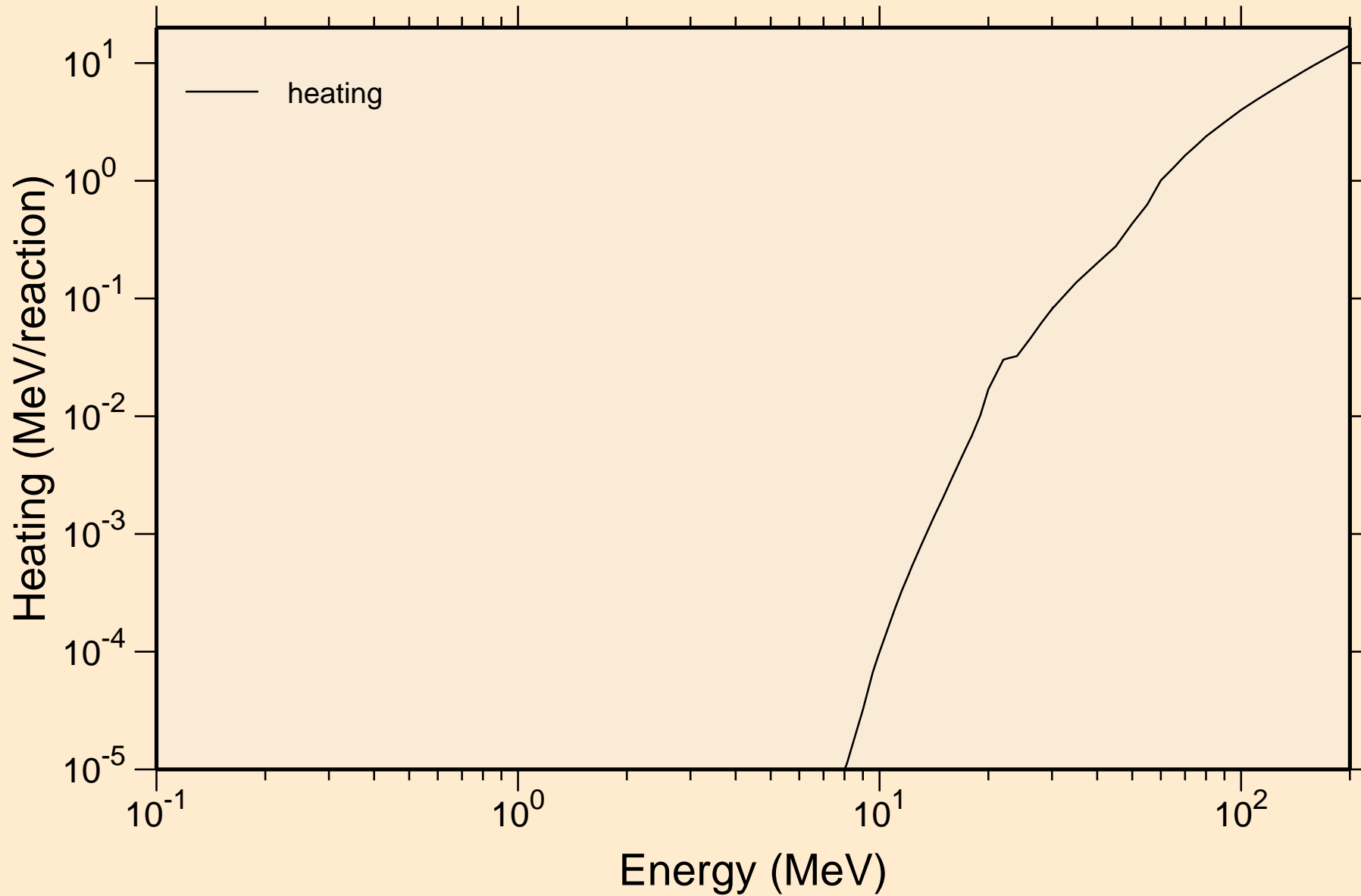


# TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

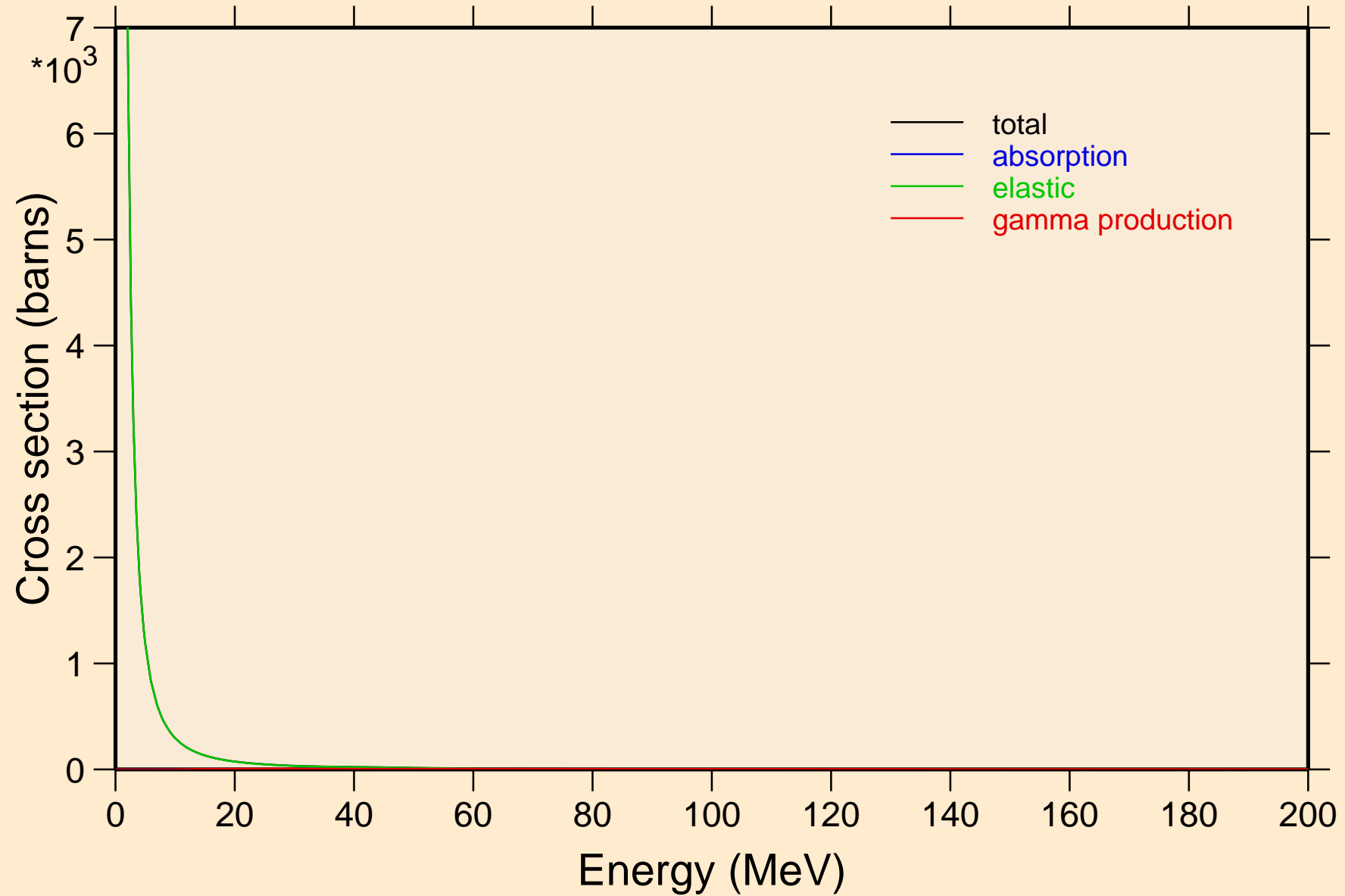


TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



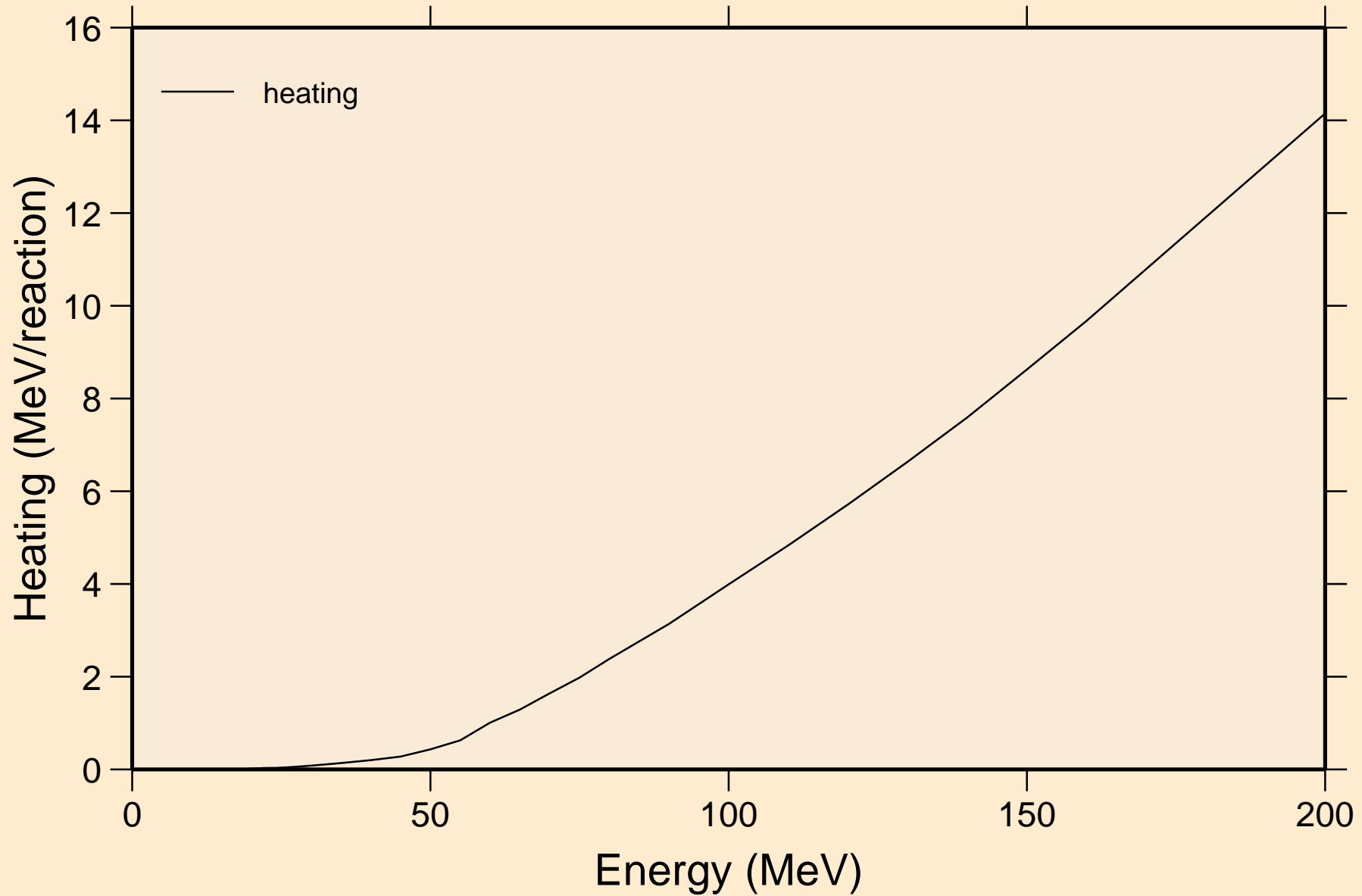
# TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



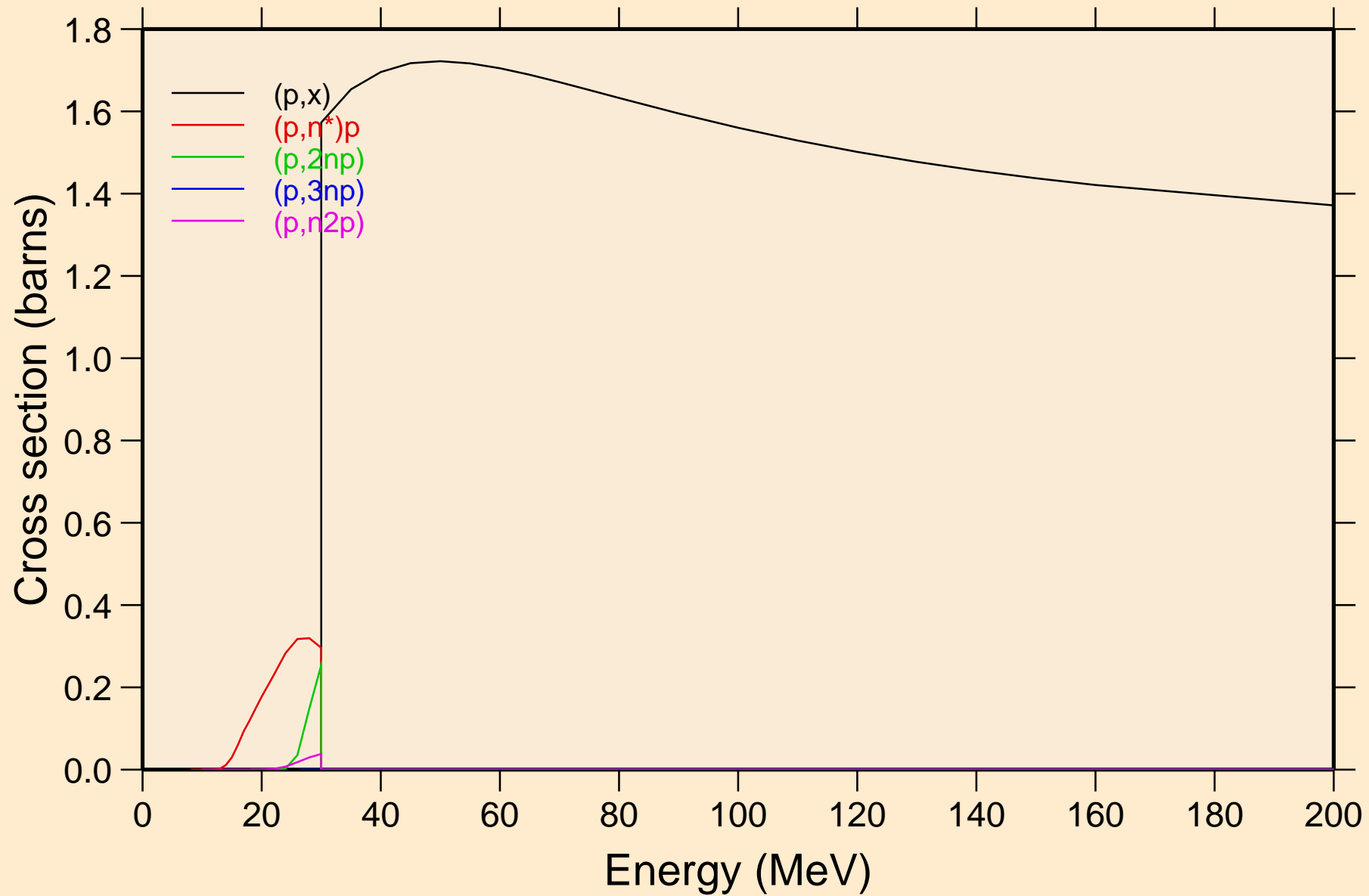
# TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

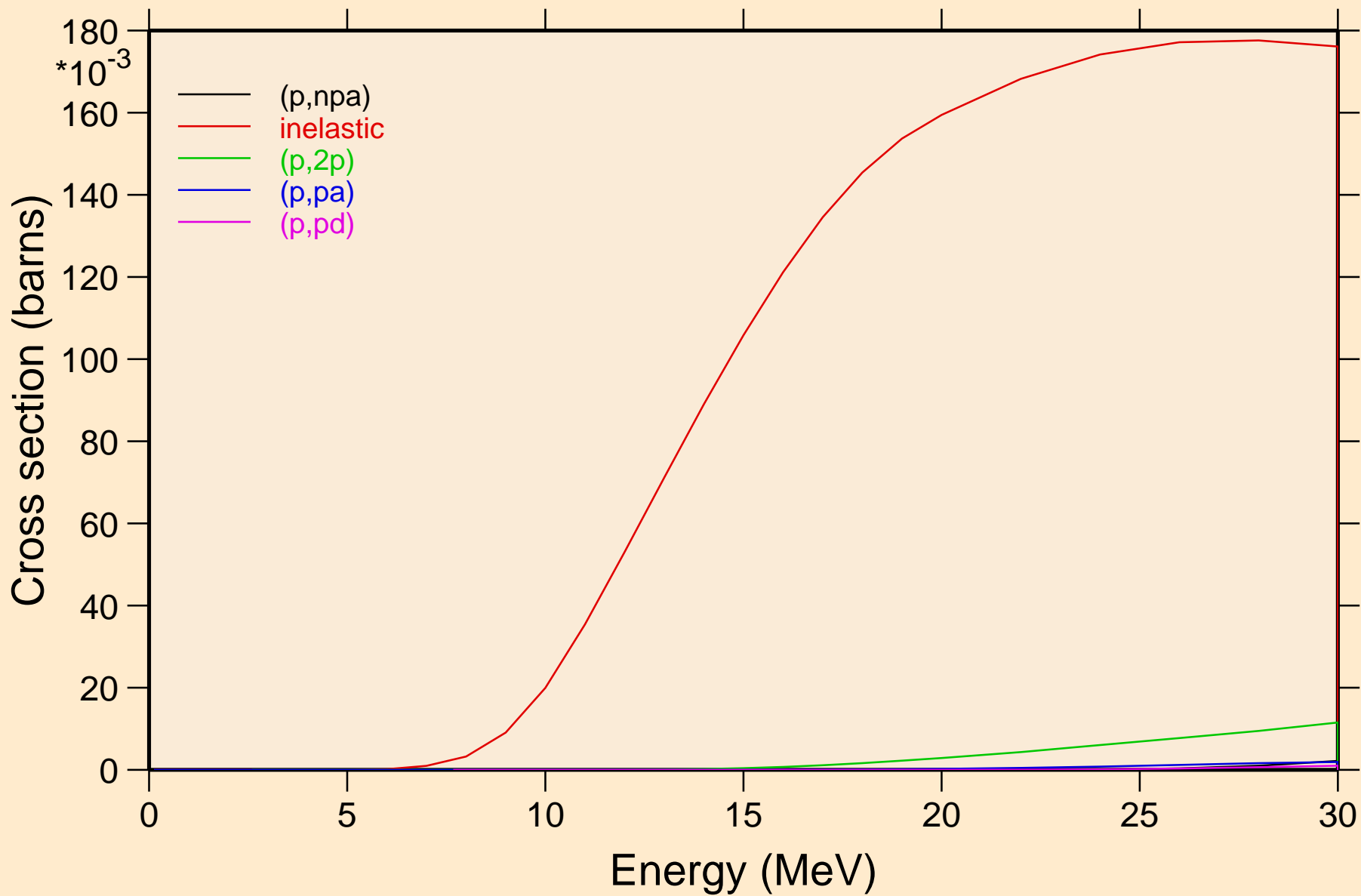


# TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K

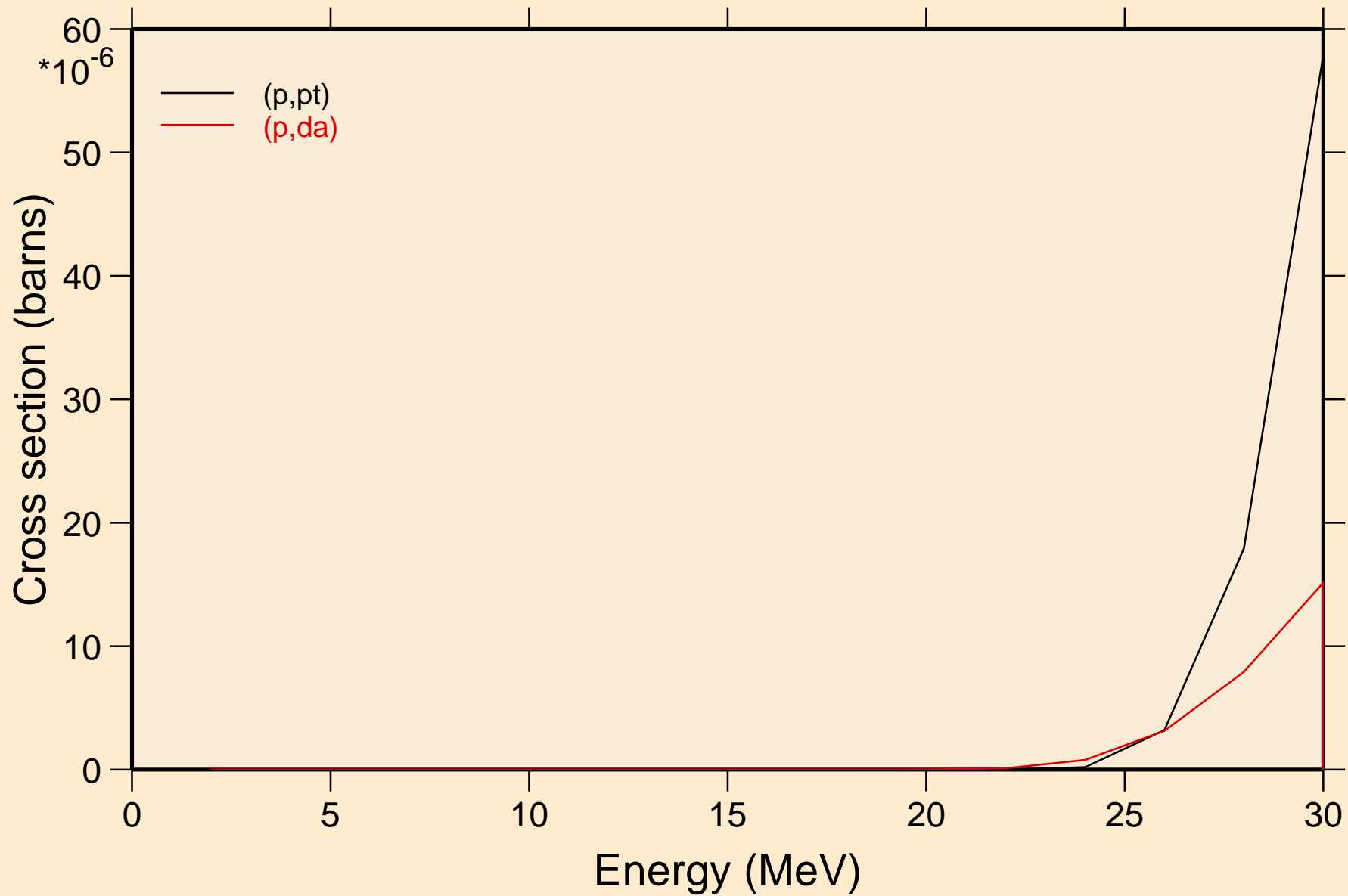
## Threshold reactions



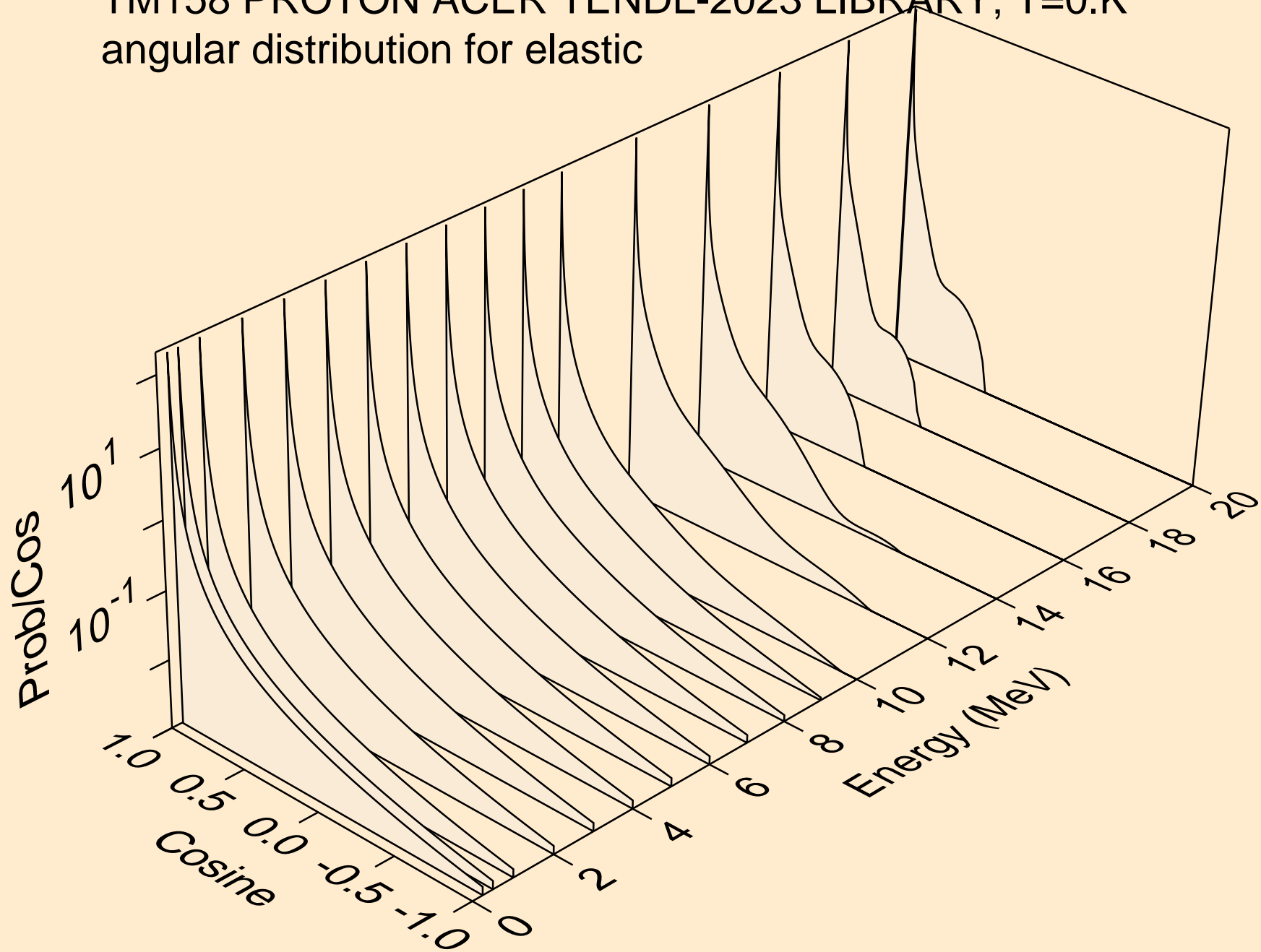
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

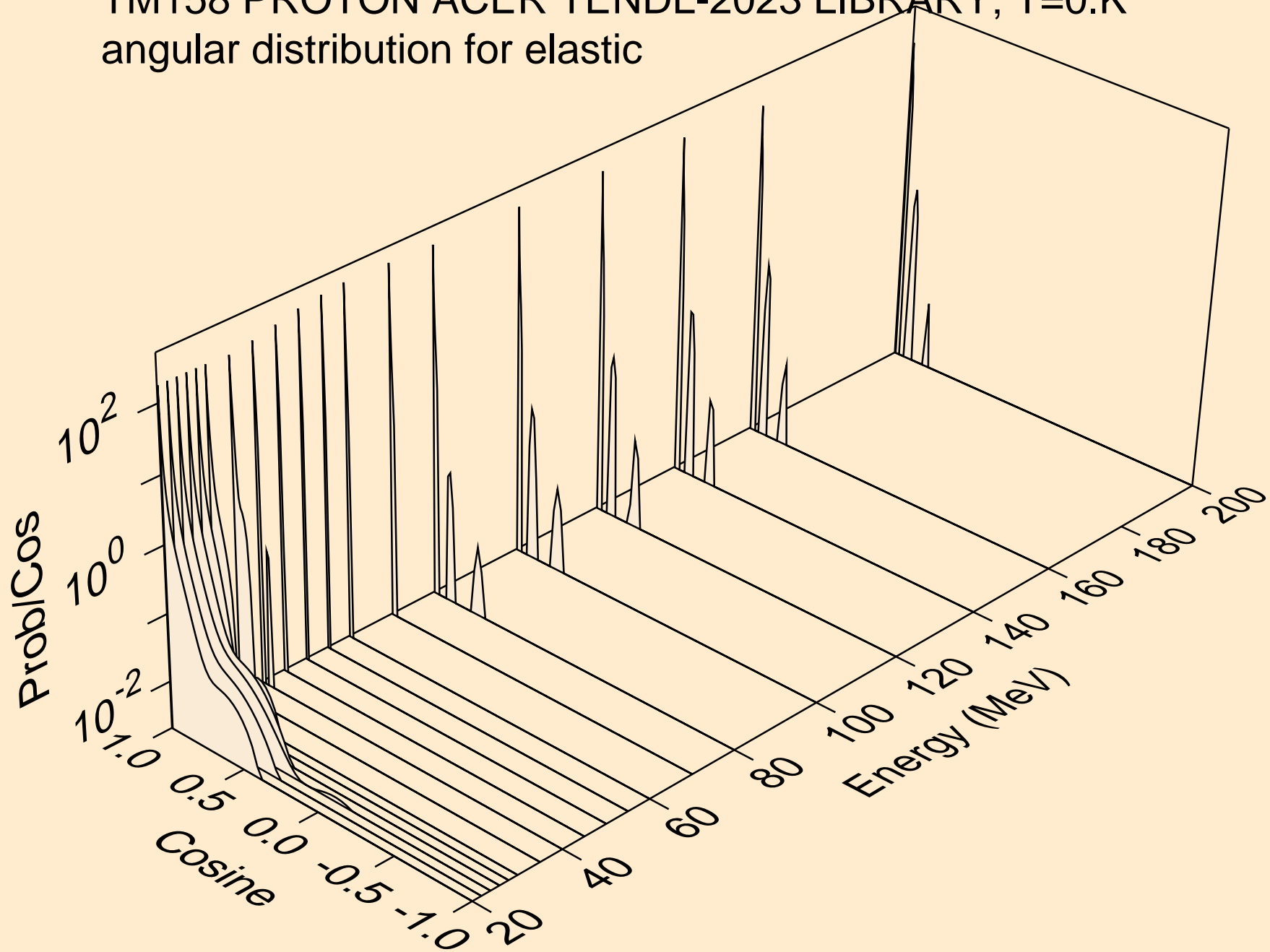


TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

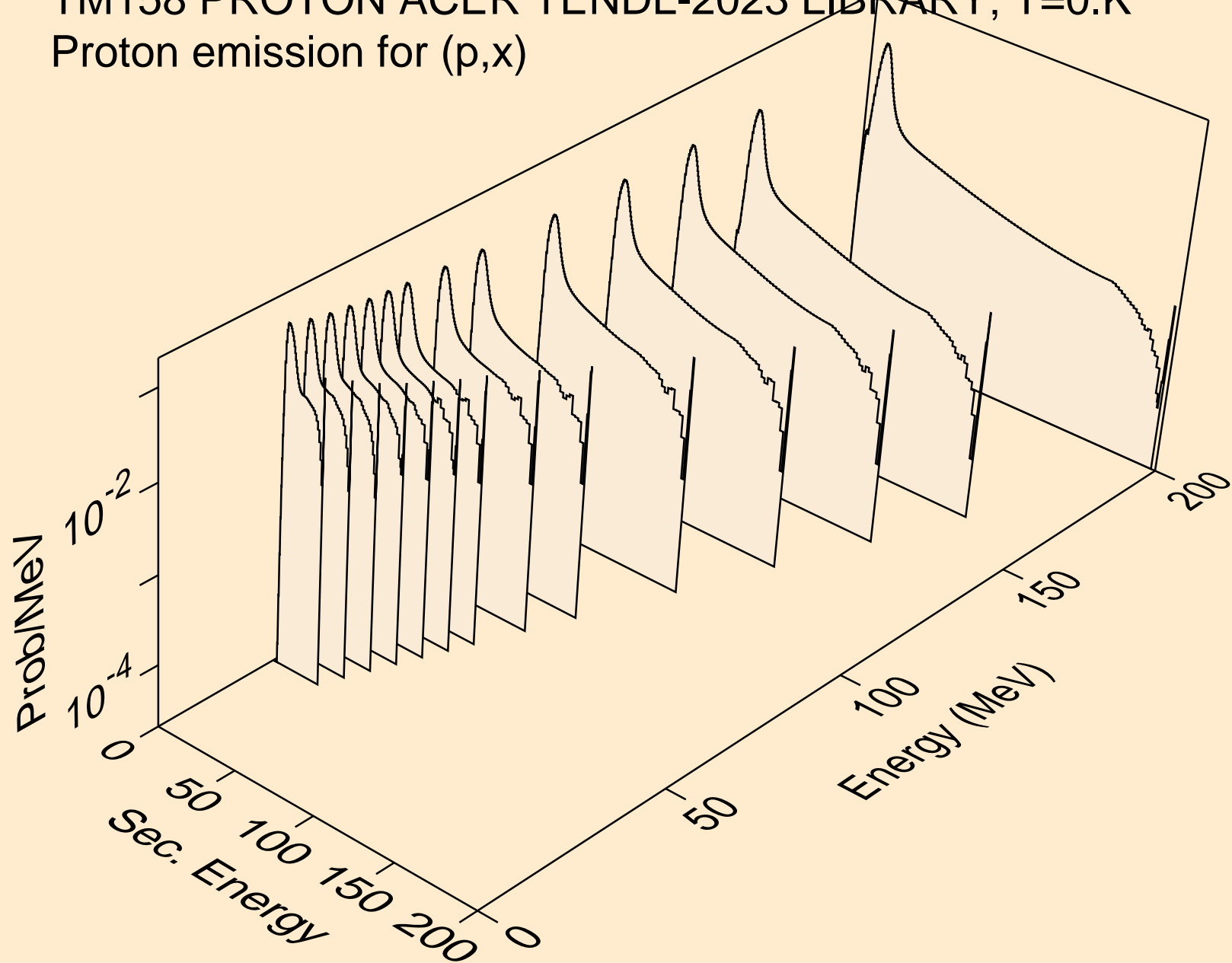




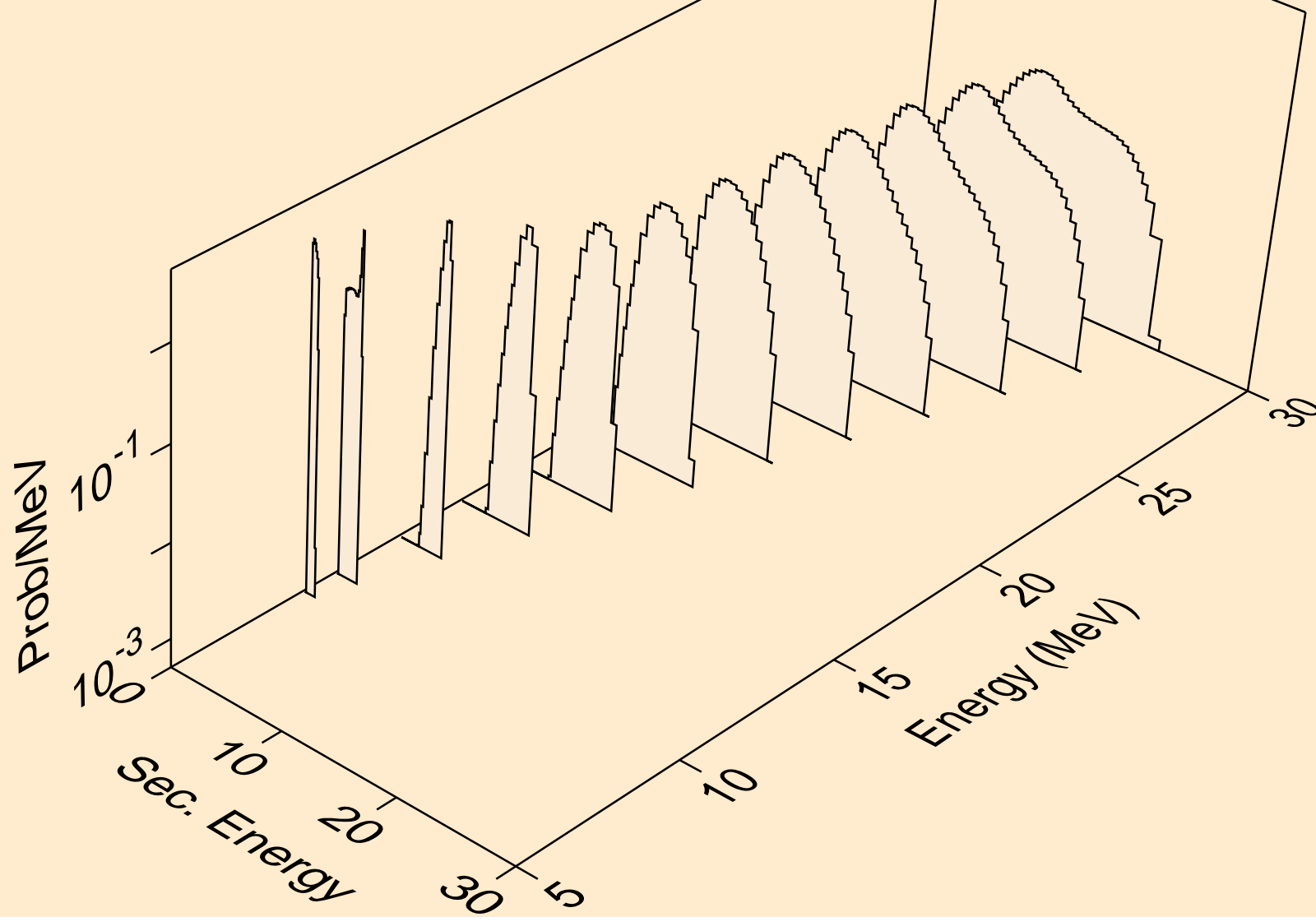
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



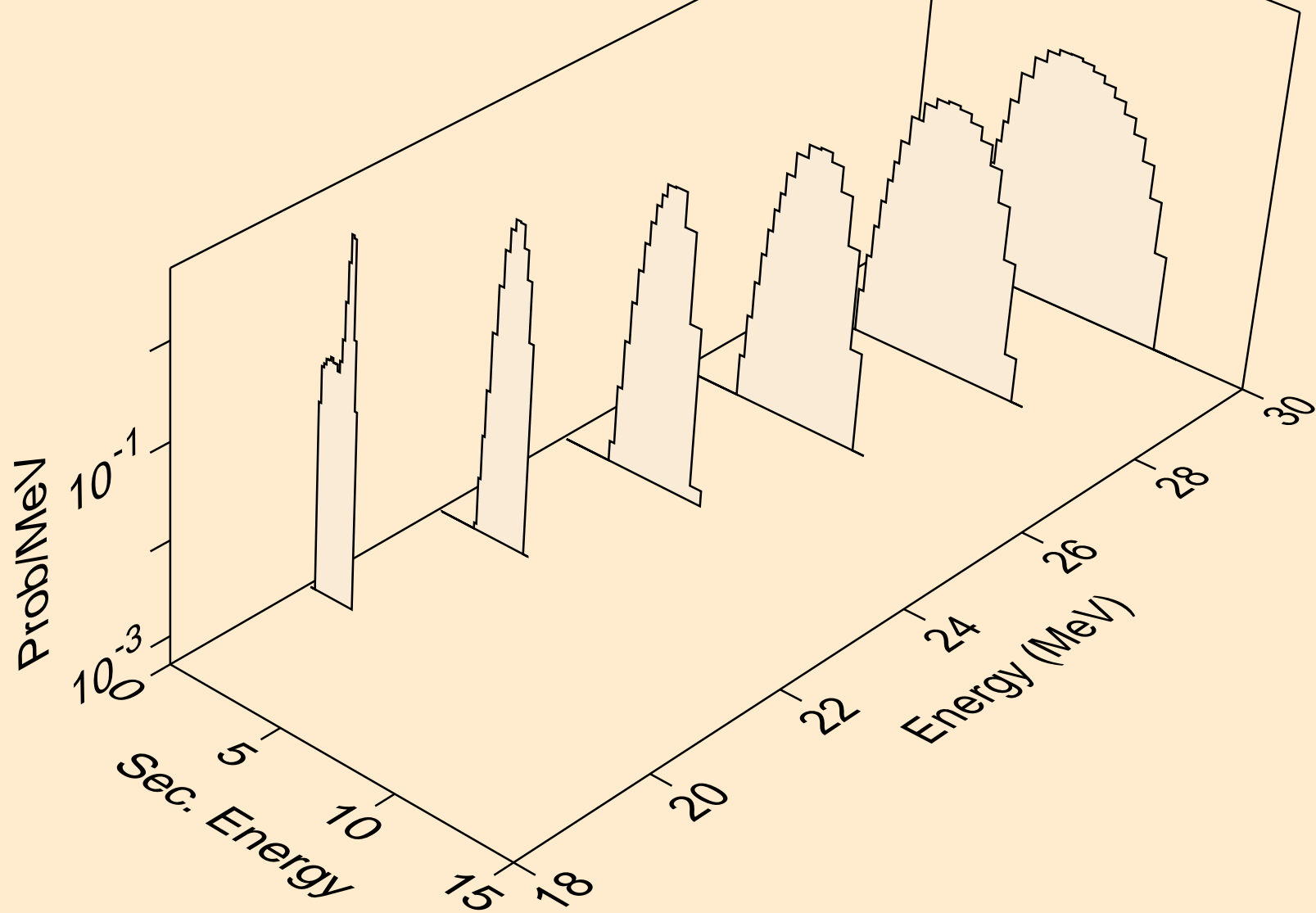
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



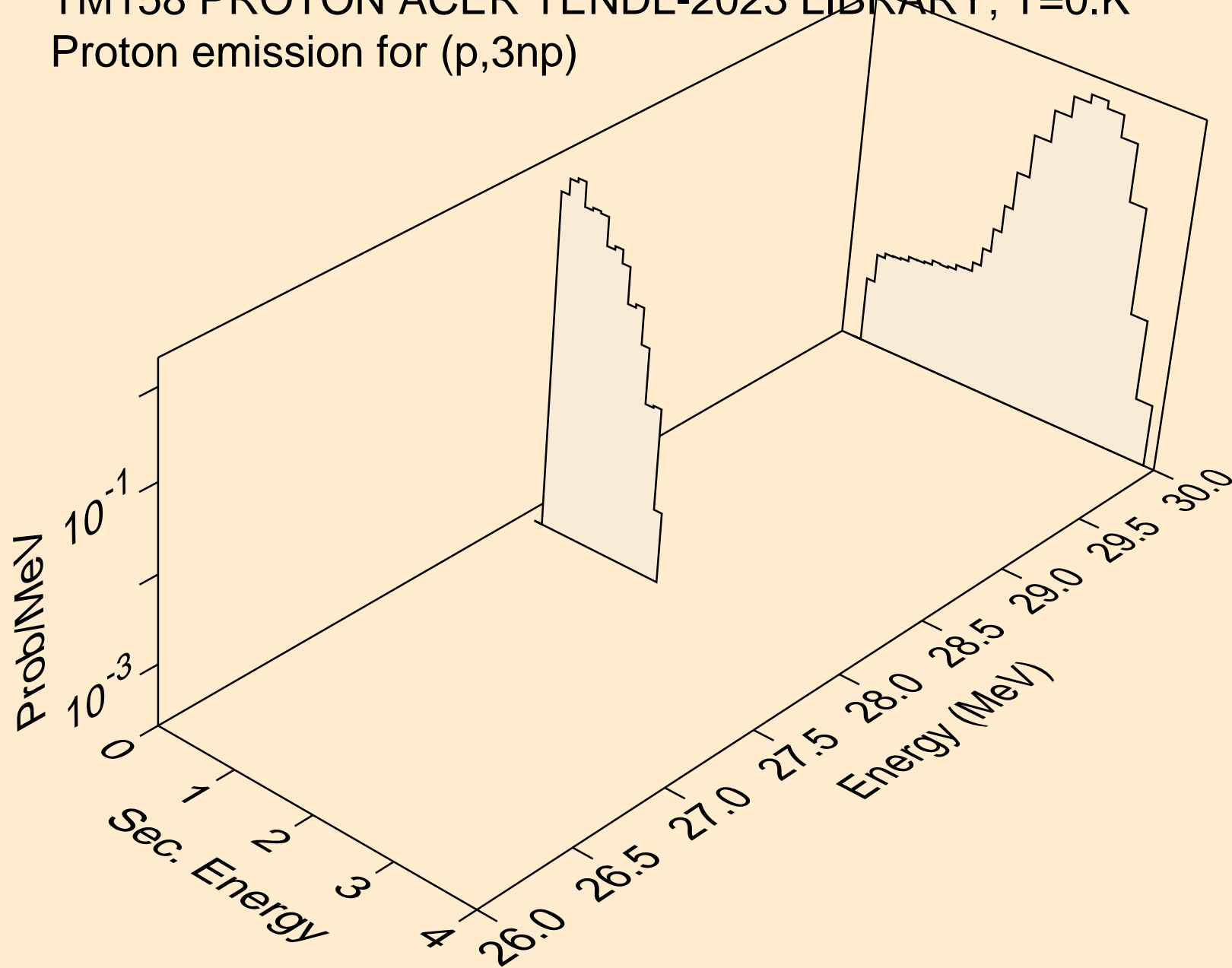
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



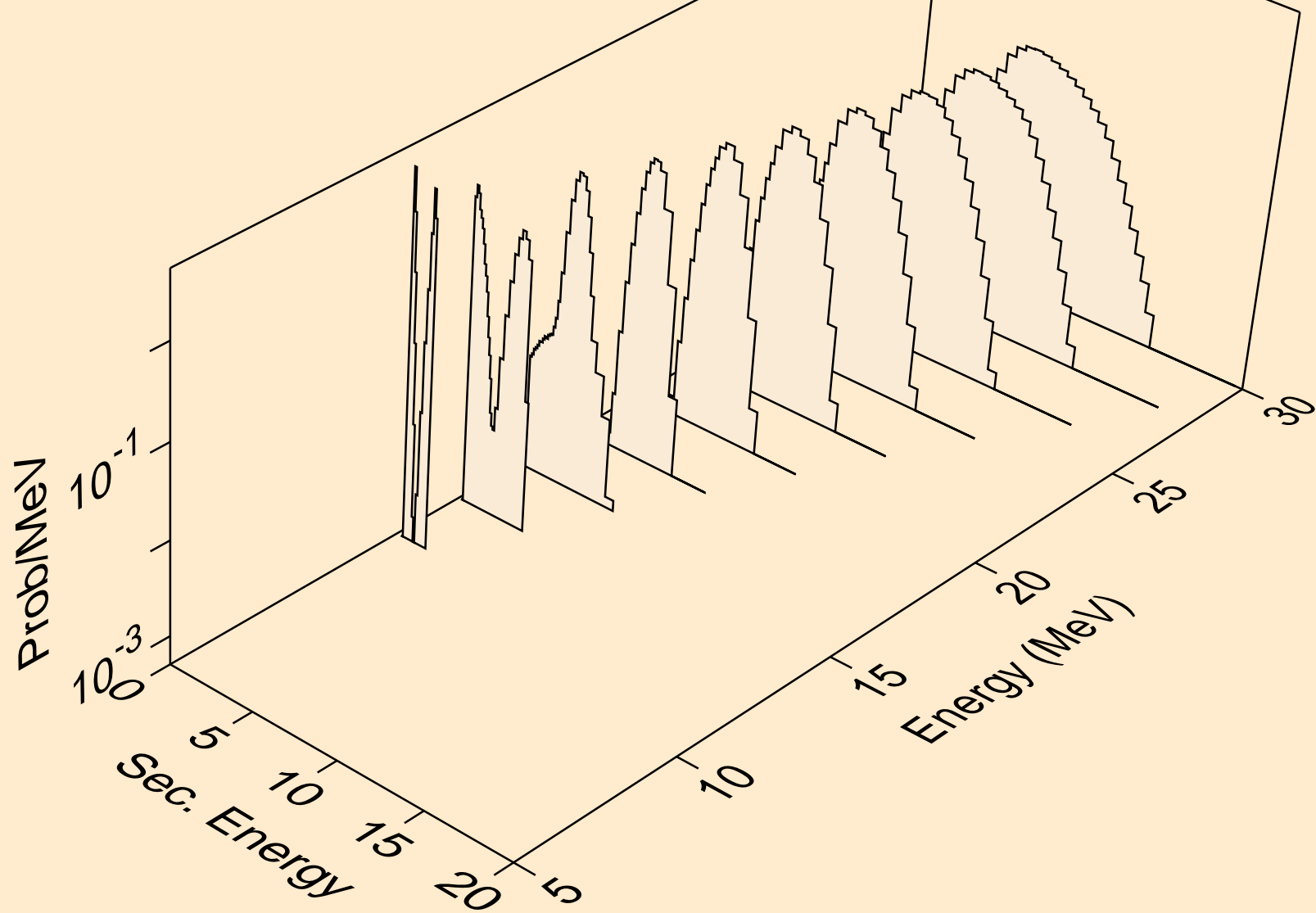
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



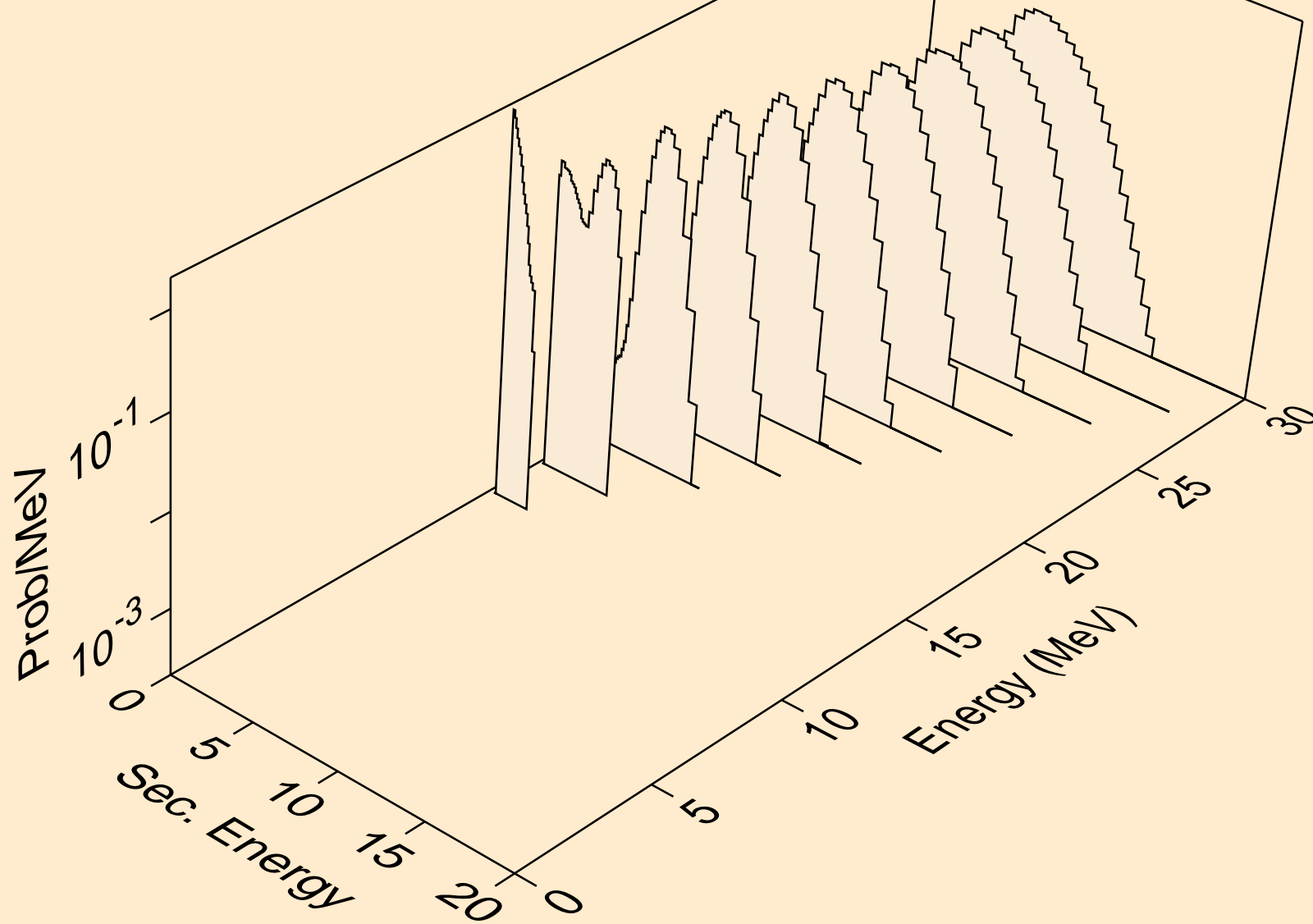
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,3np)



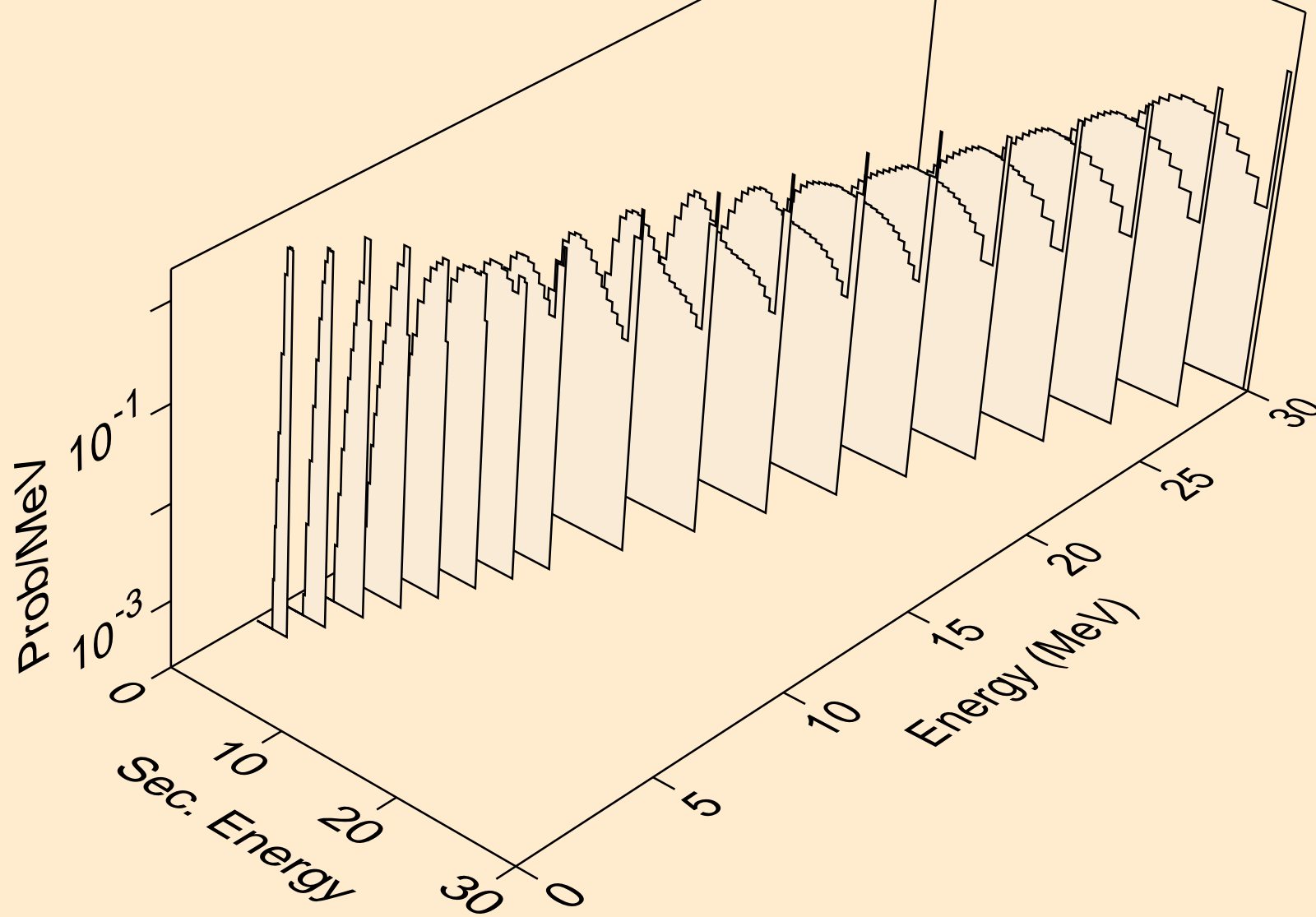
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)



TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,npa)

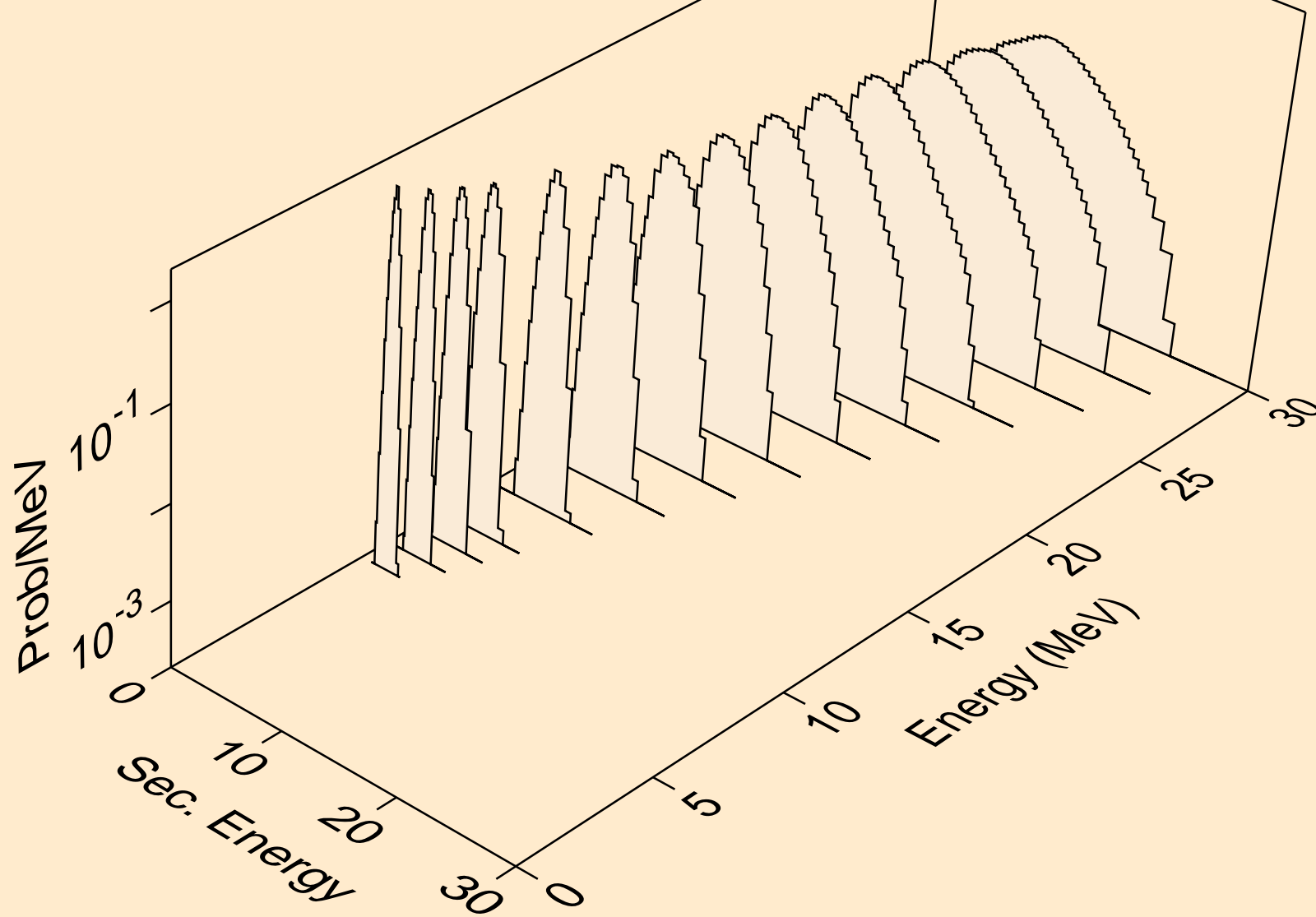


TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

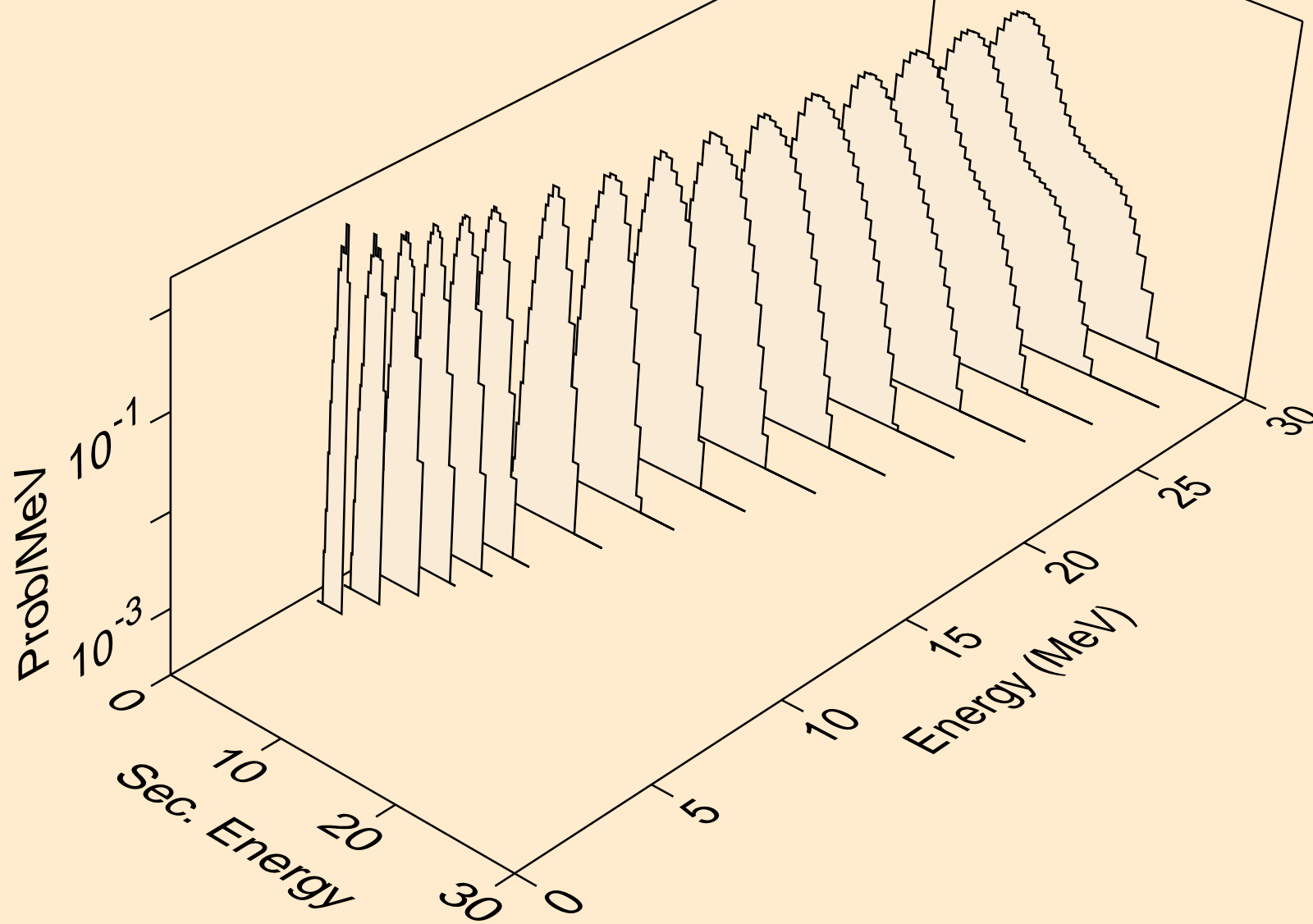




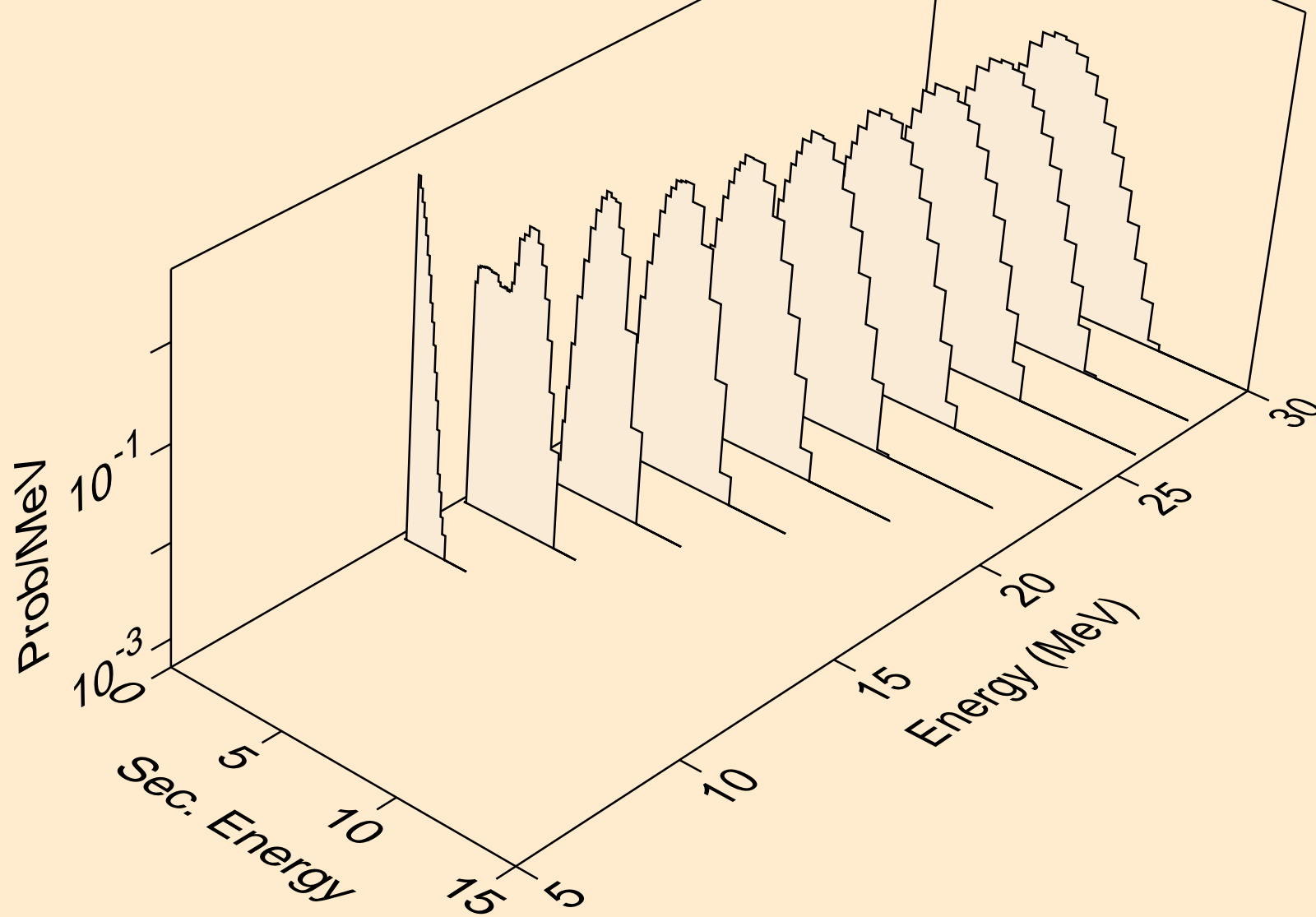
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2p)



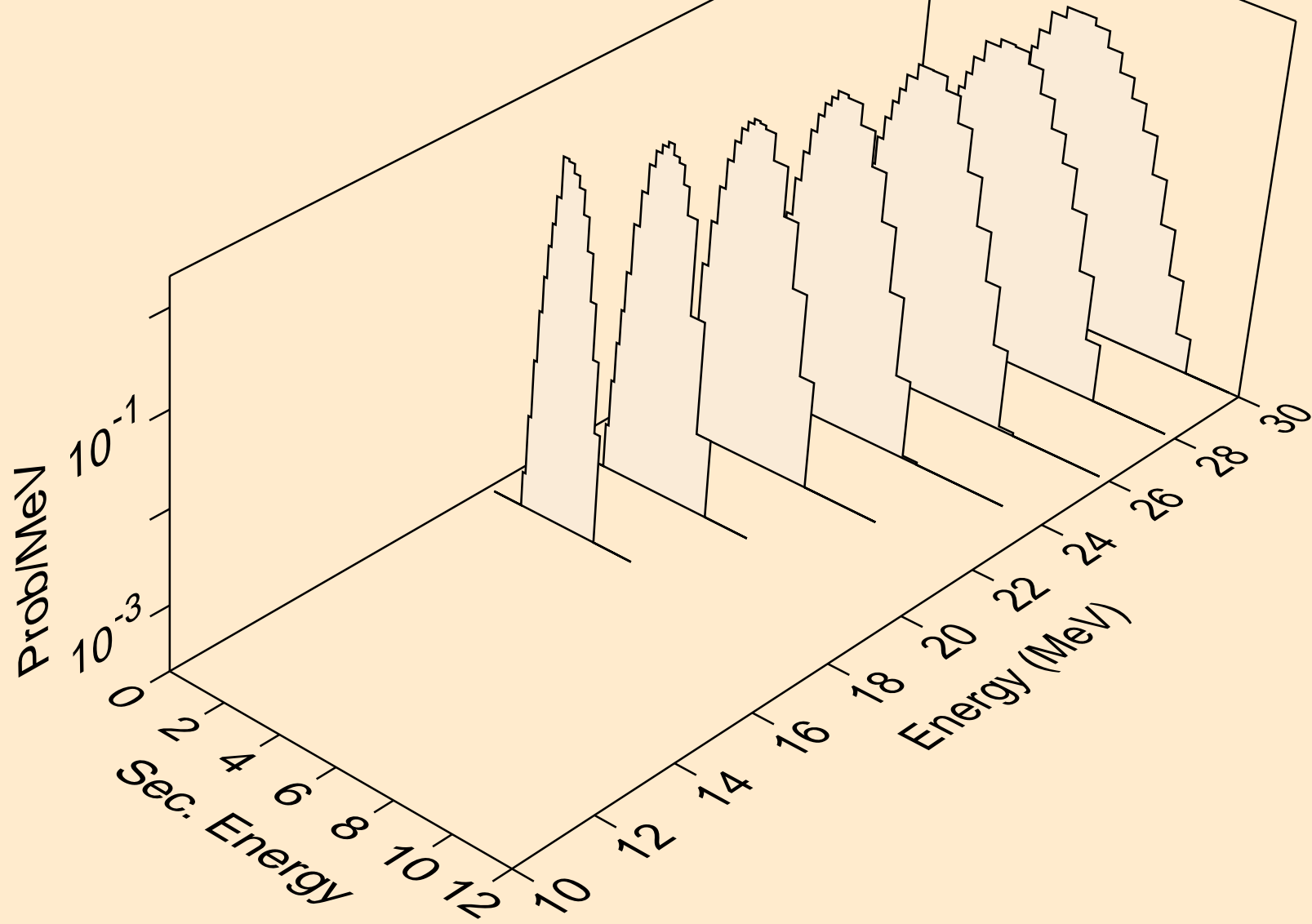
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pa)



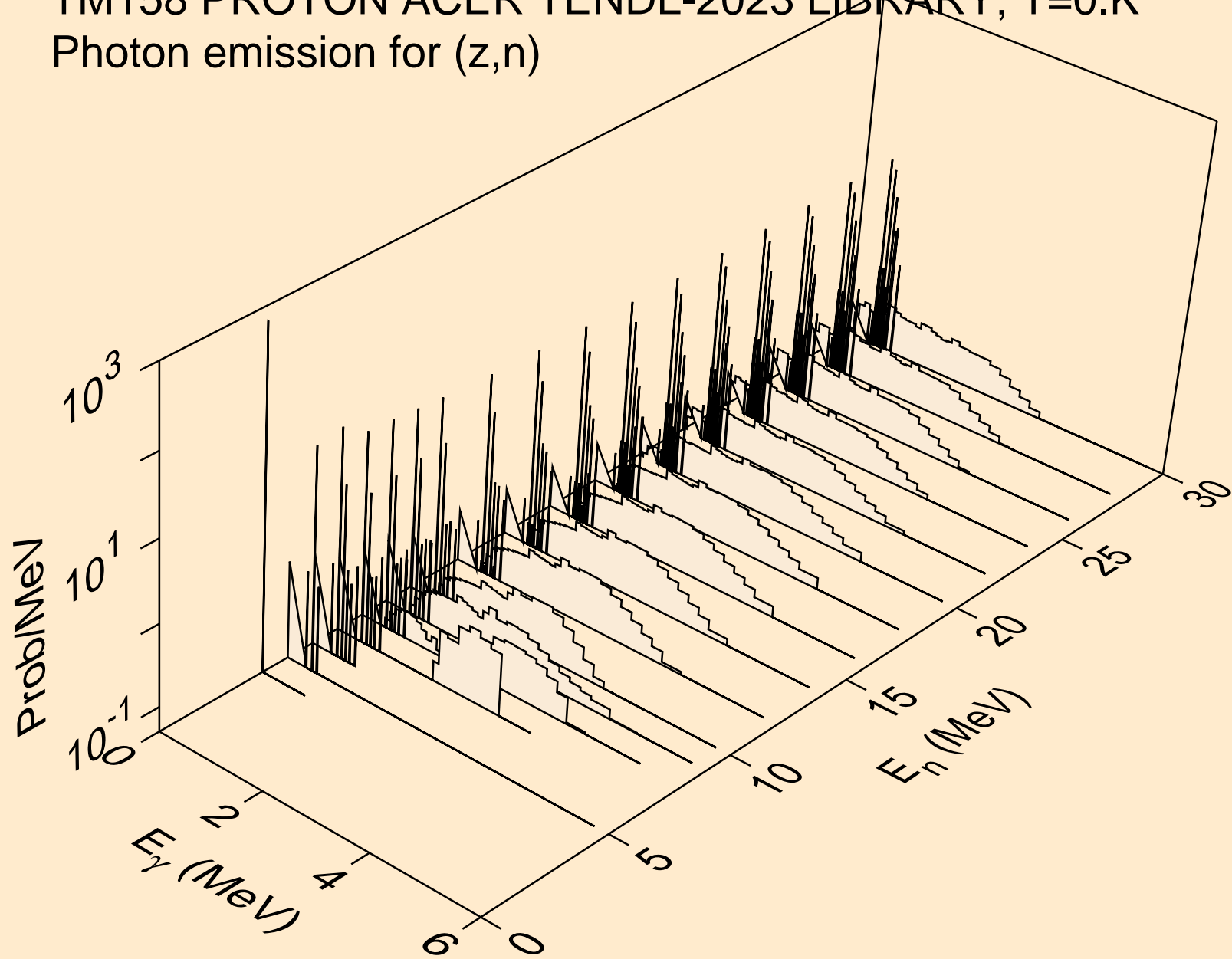
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pd)



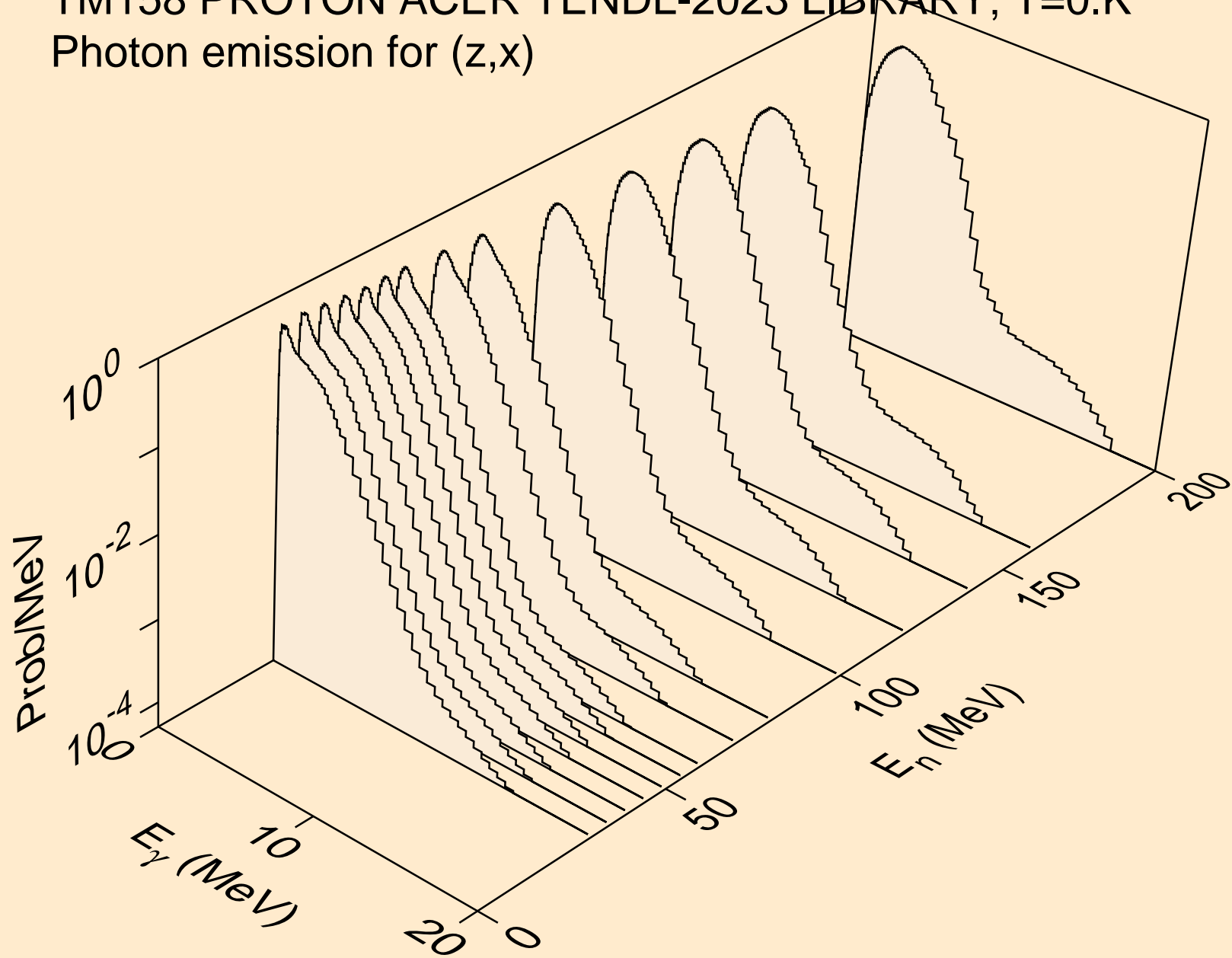
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pt)



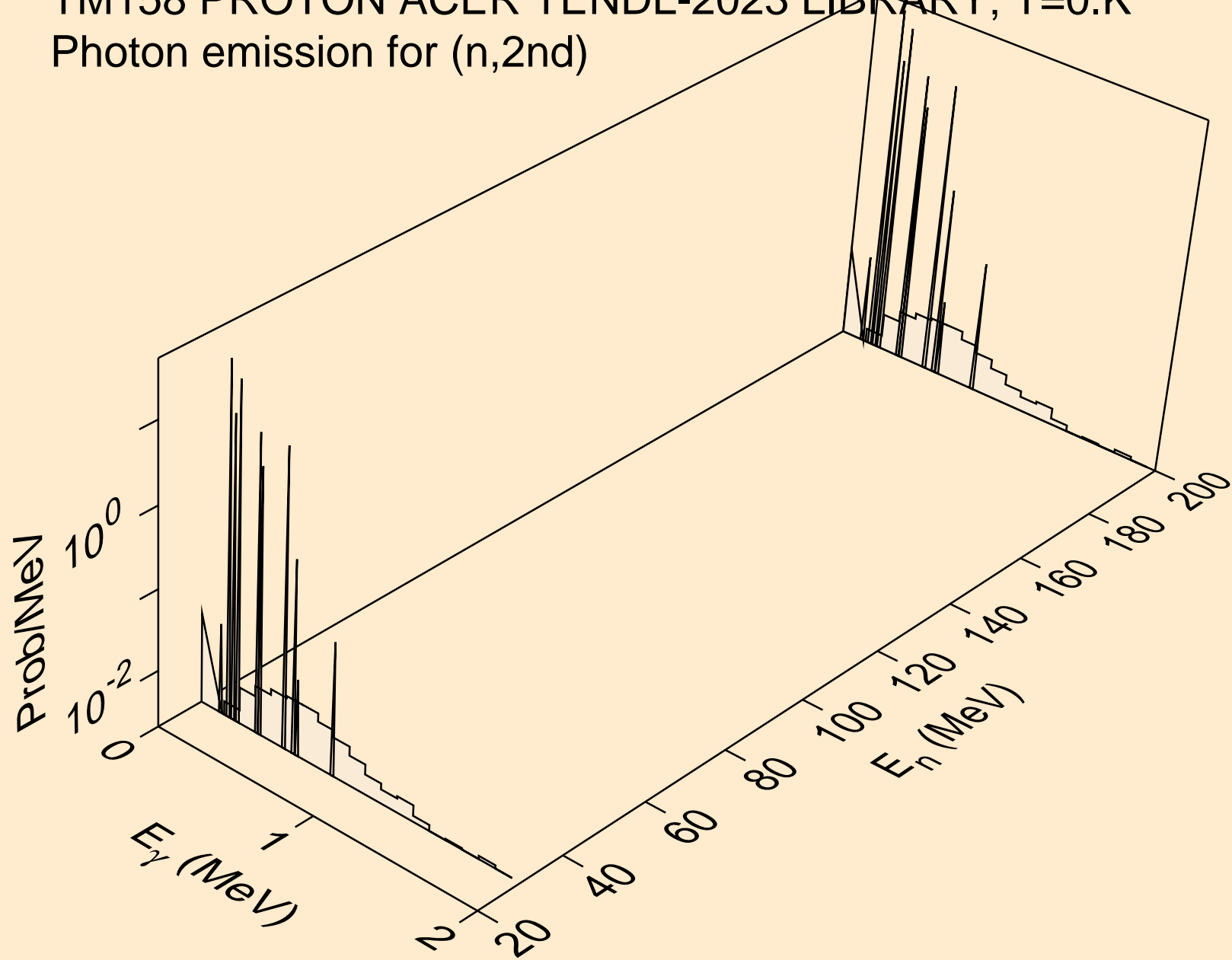
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



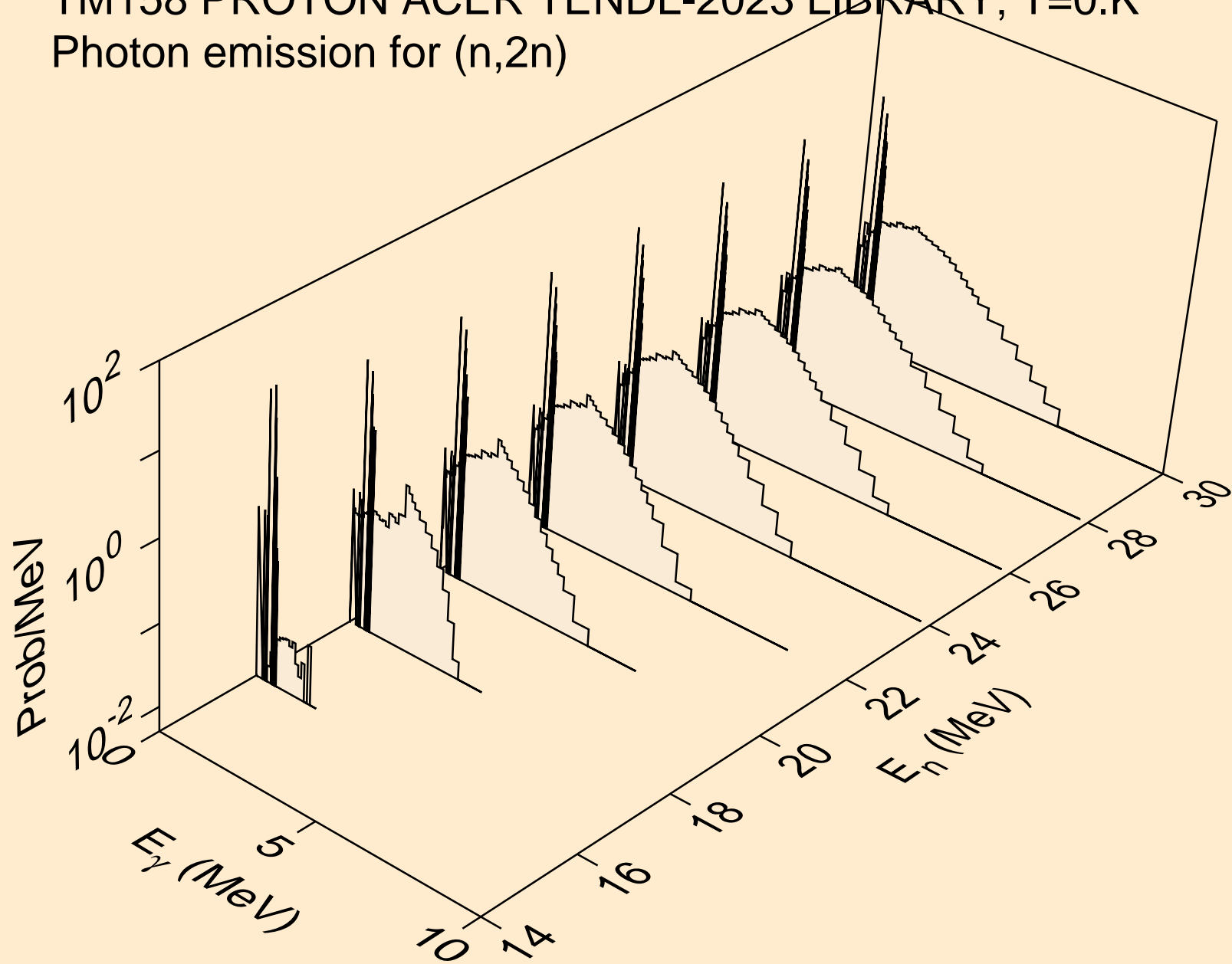
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)

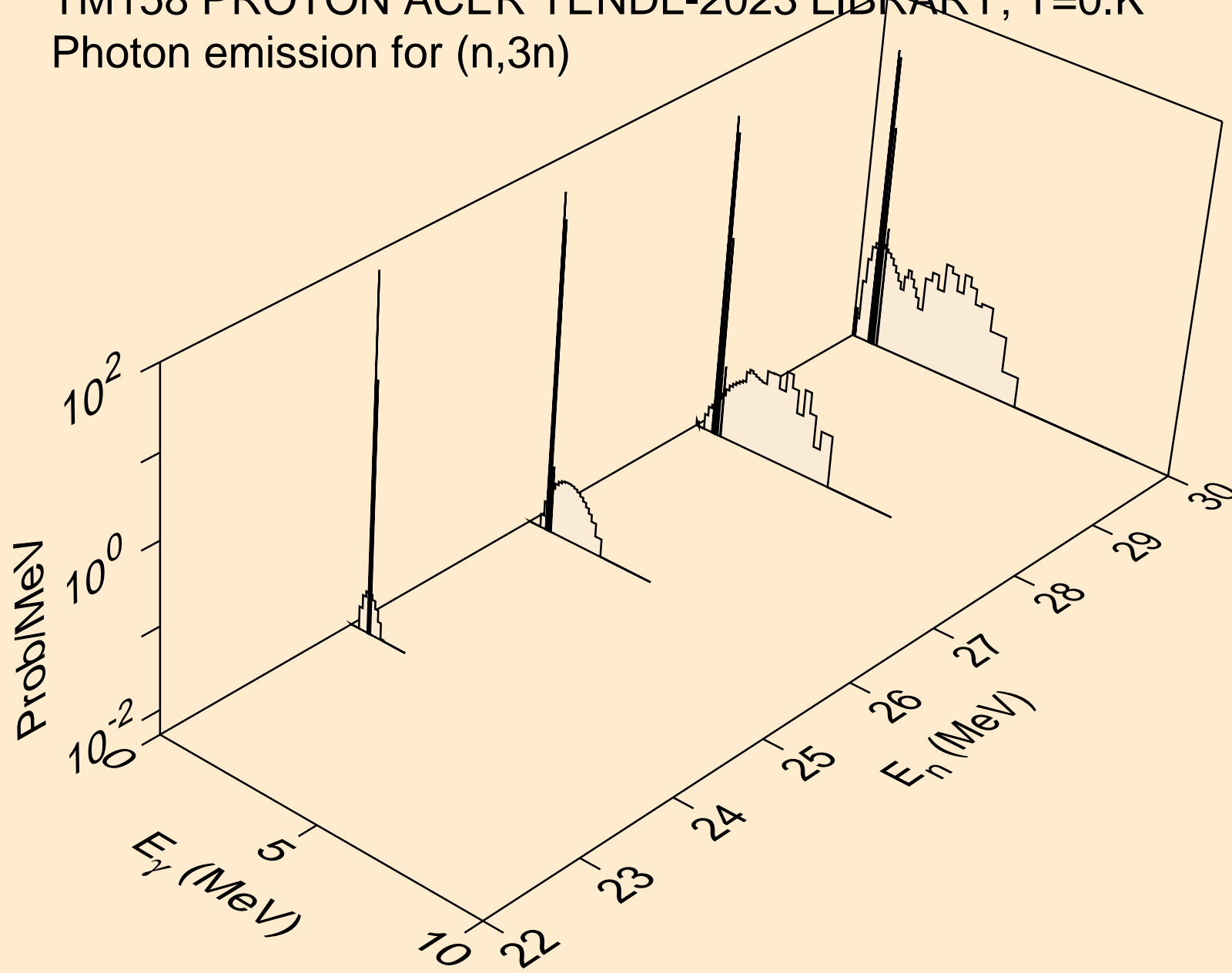


TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

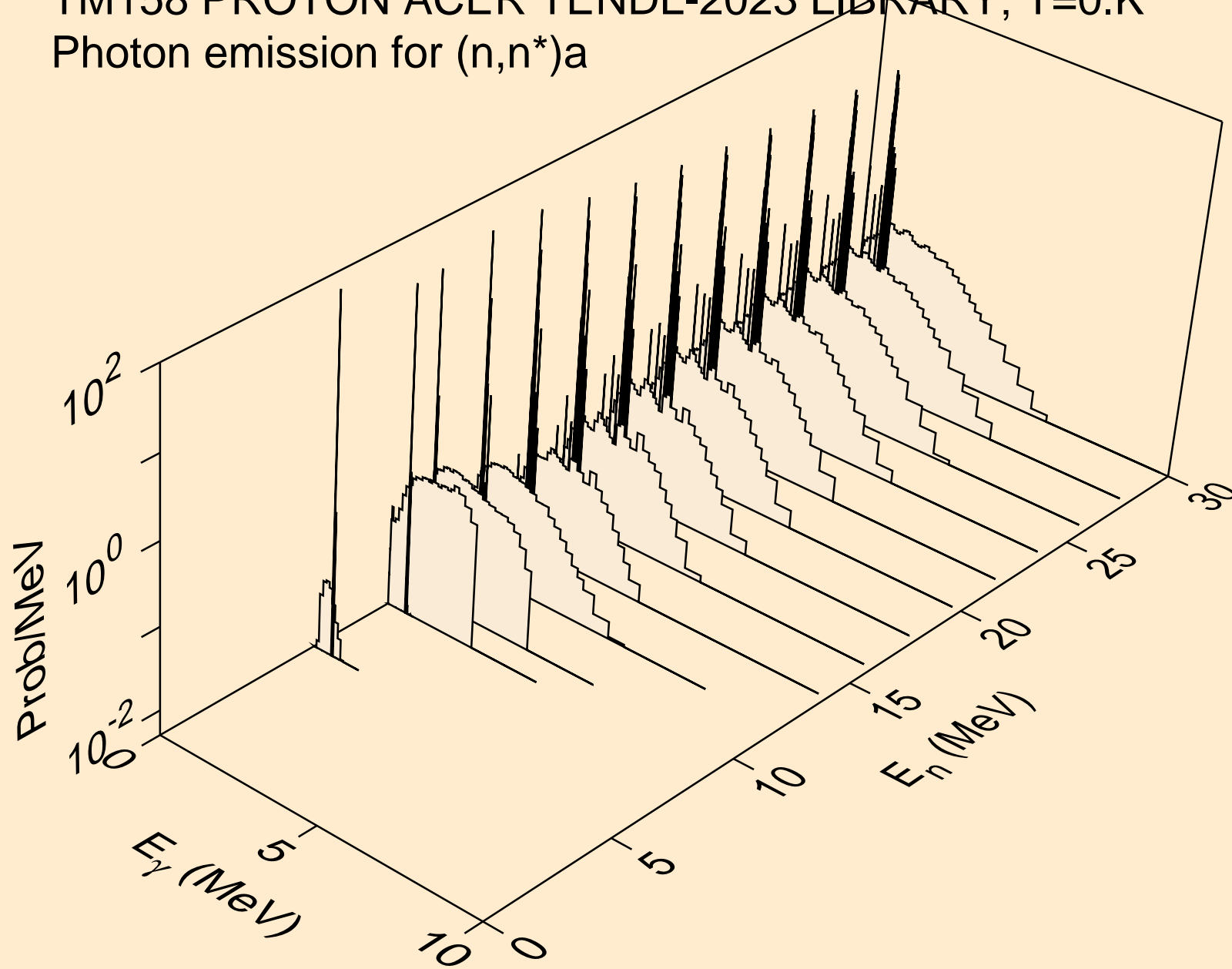




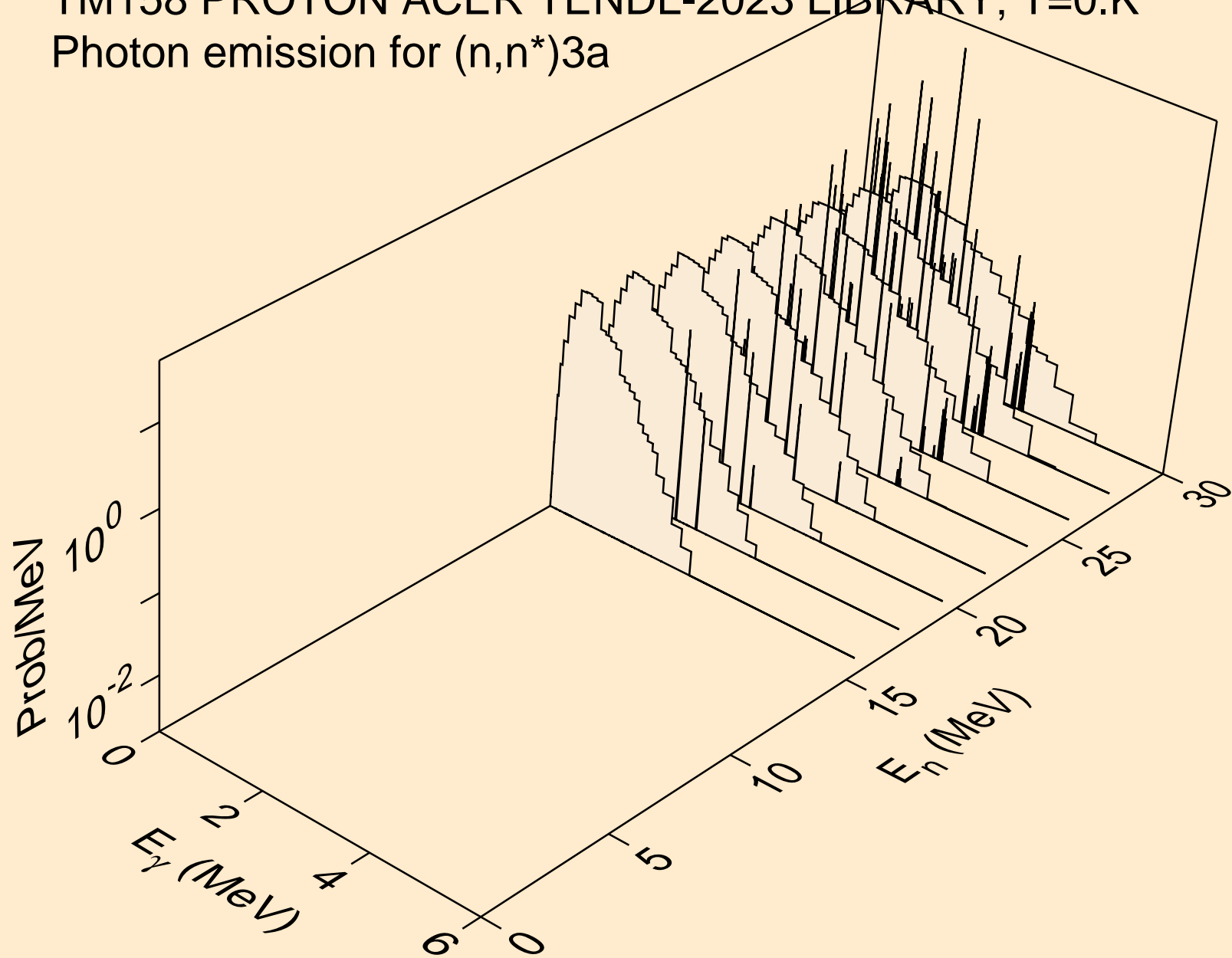
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



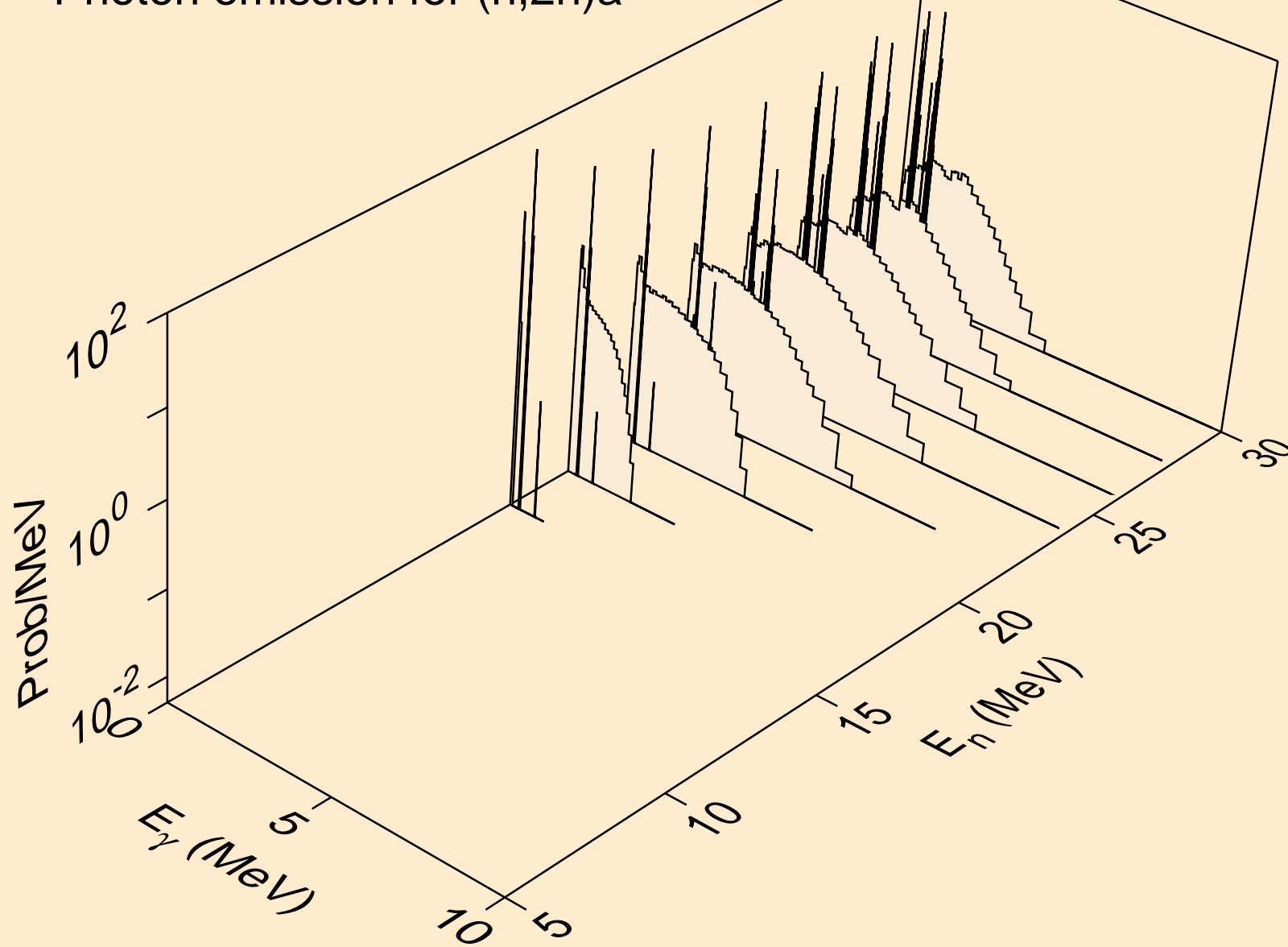
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



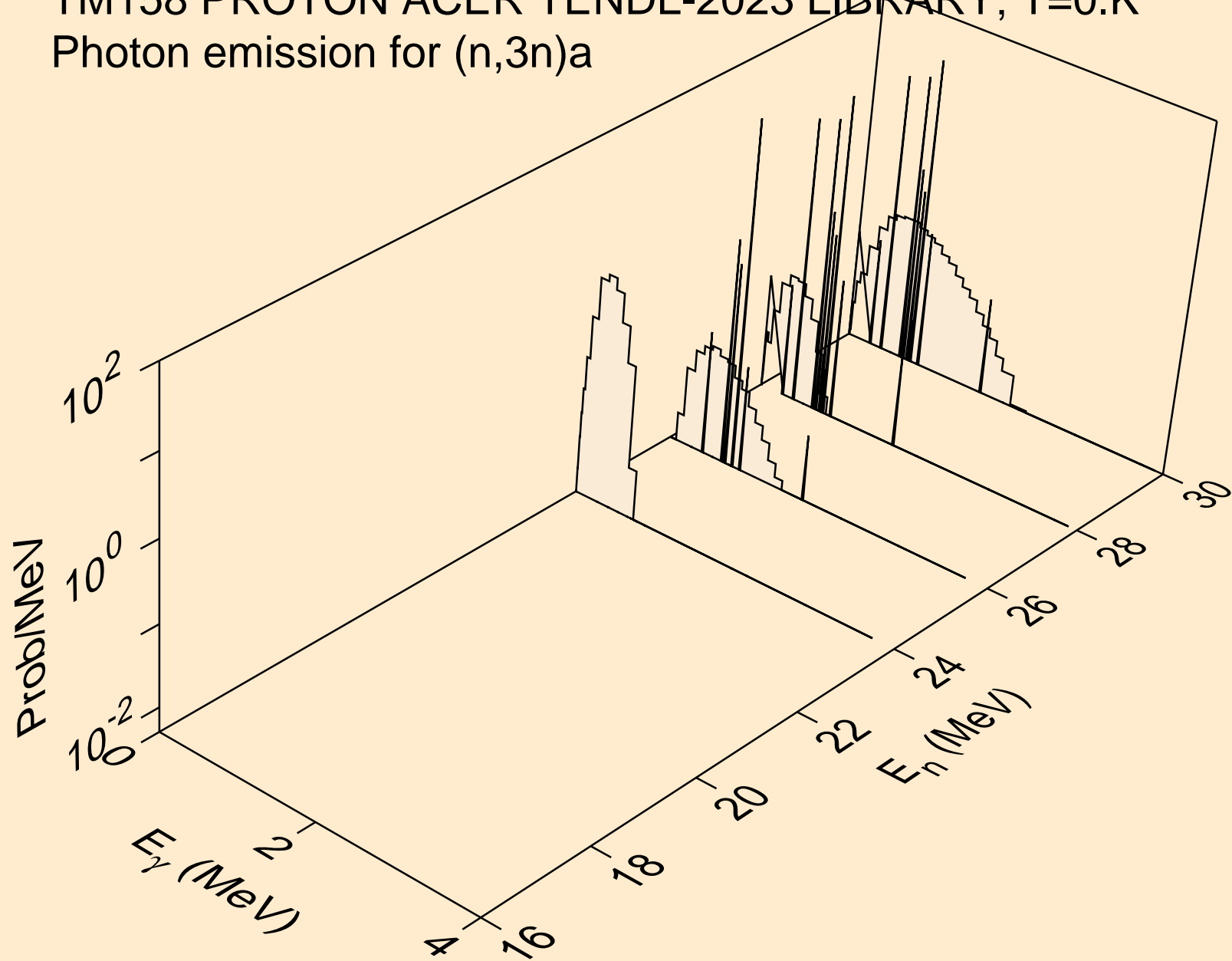
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Photon emission for (n,n\*)3a



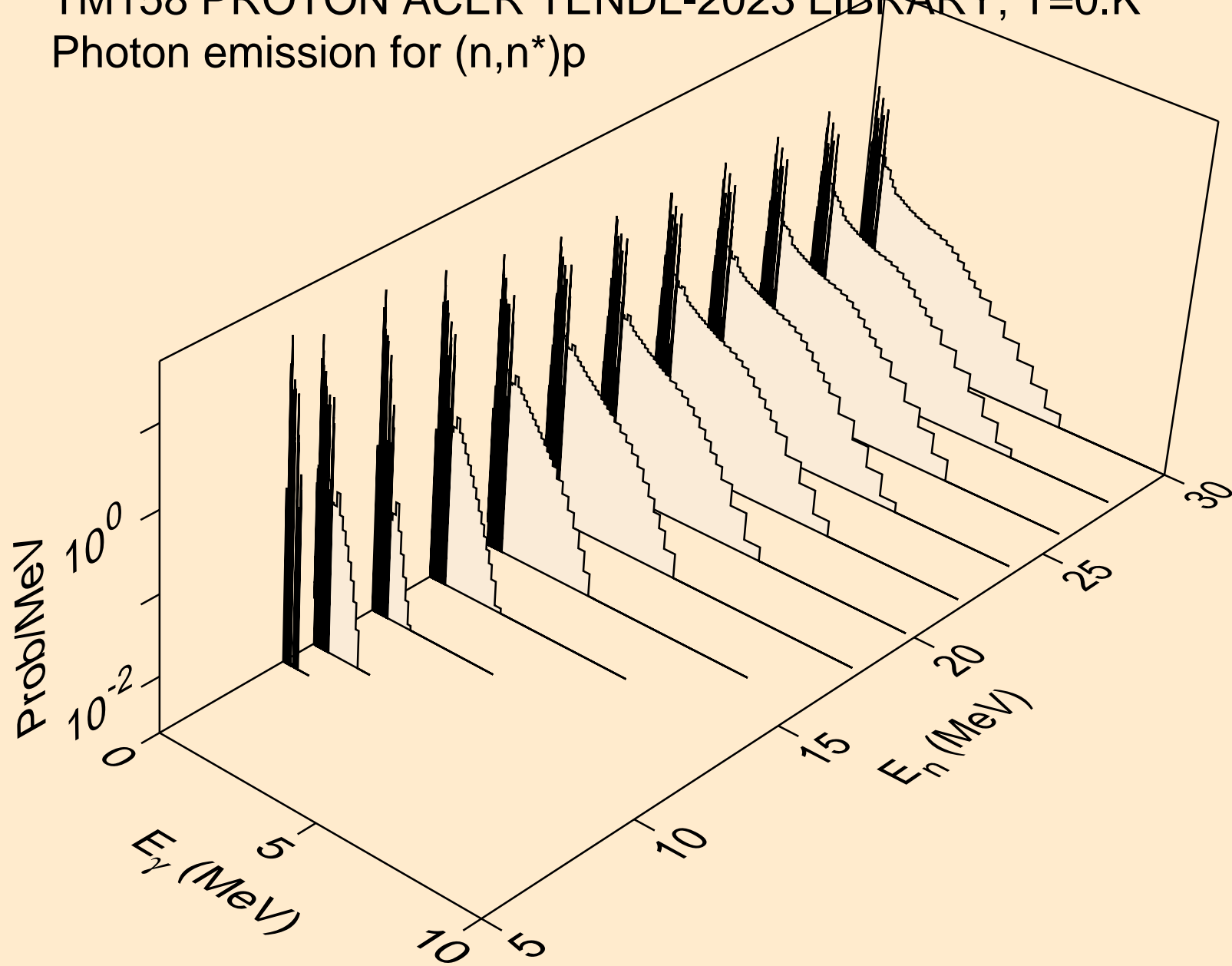
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Photon emission for (n,2n)a



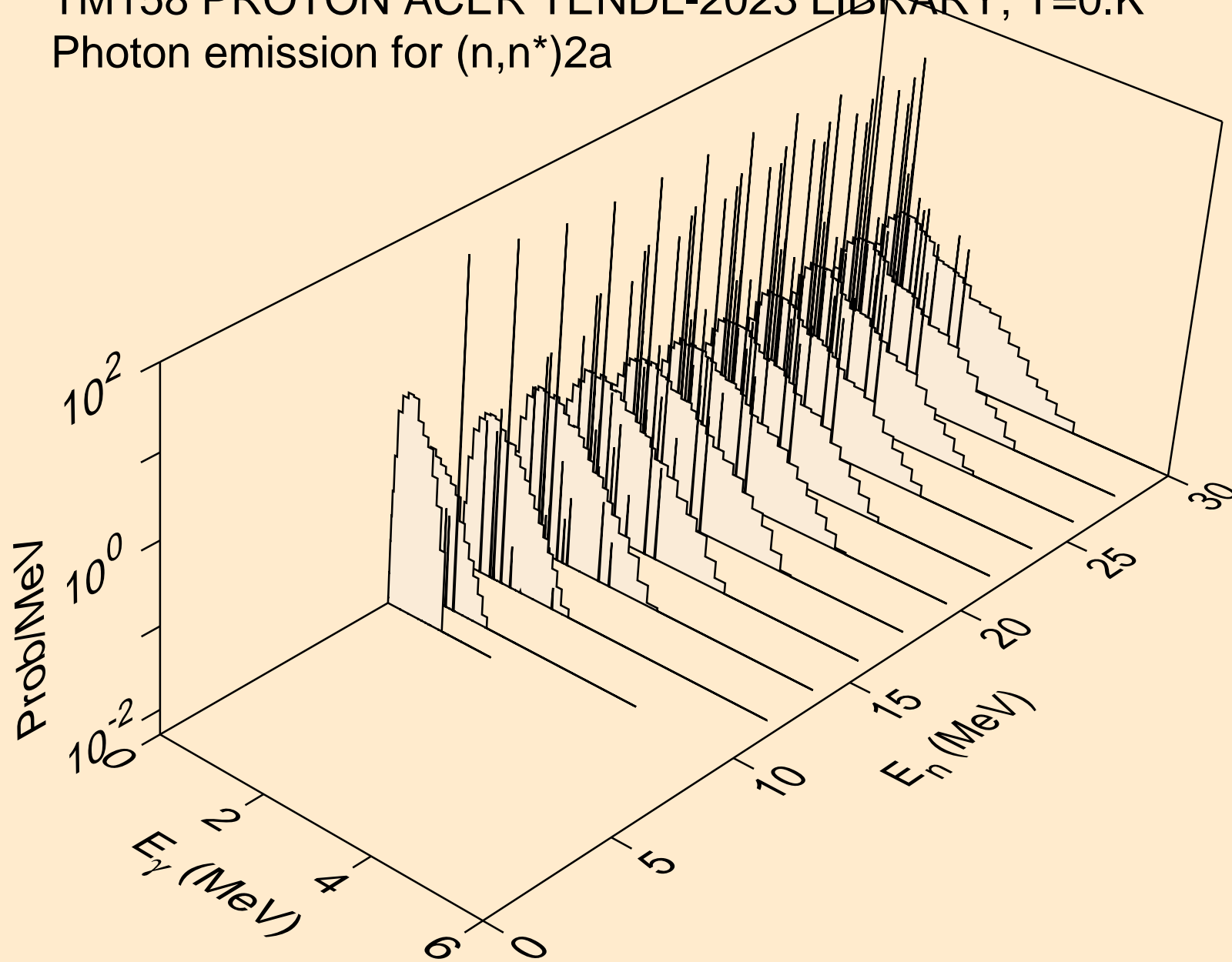
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



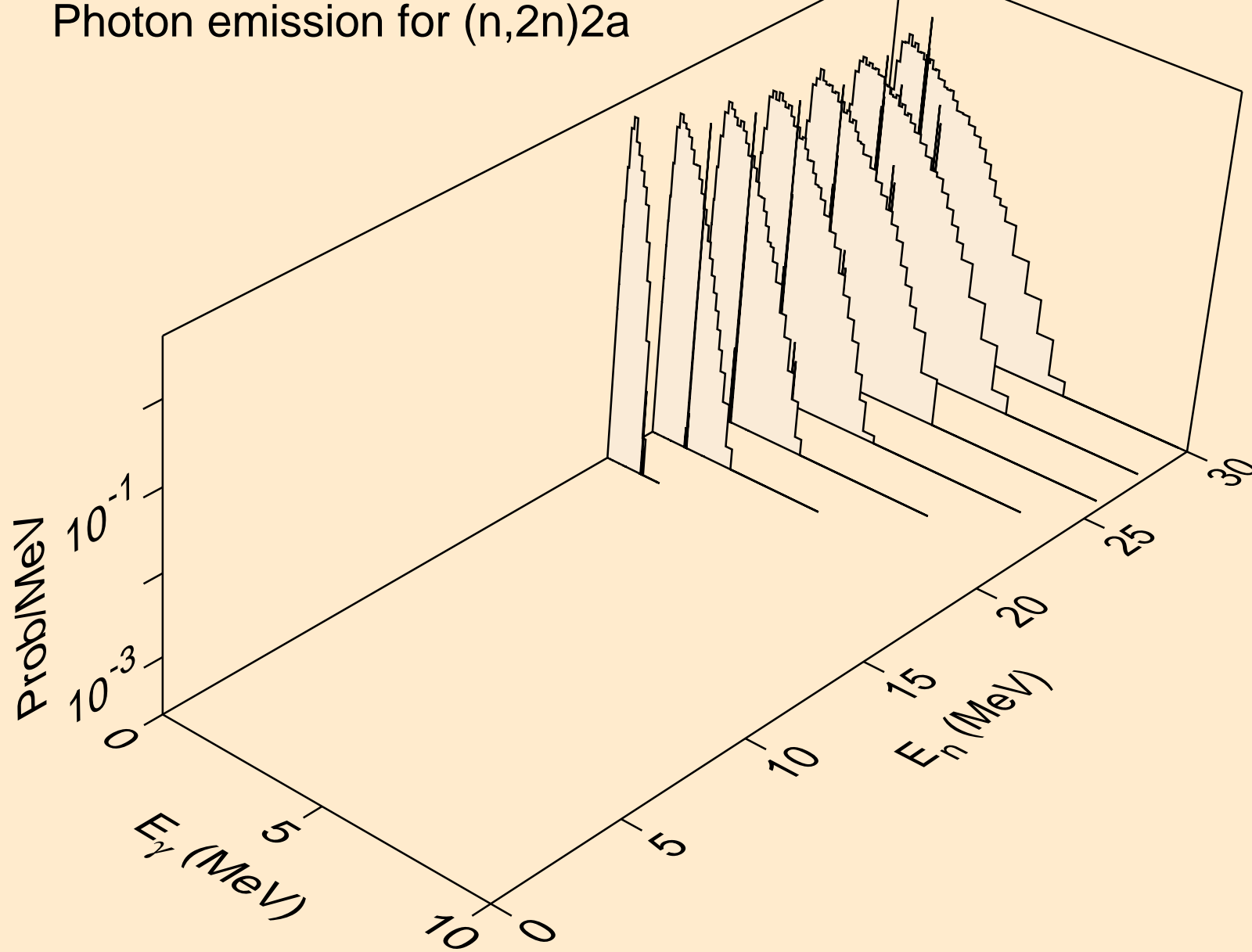
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

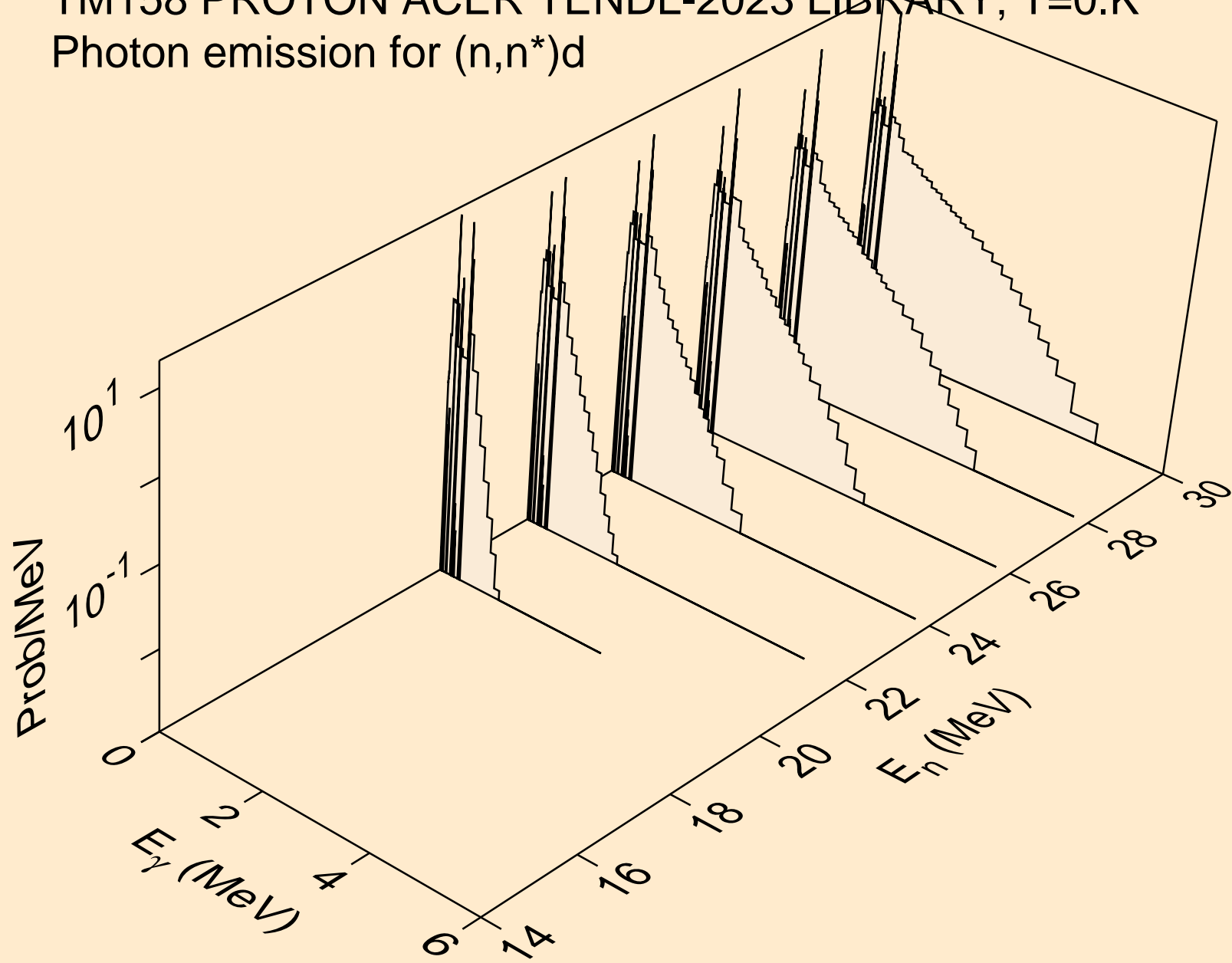


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Photon emission for (n,2n)2a

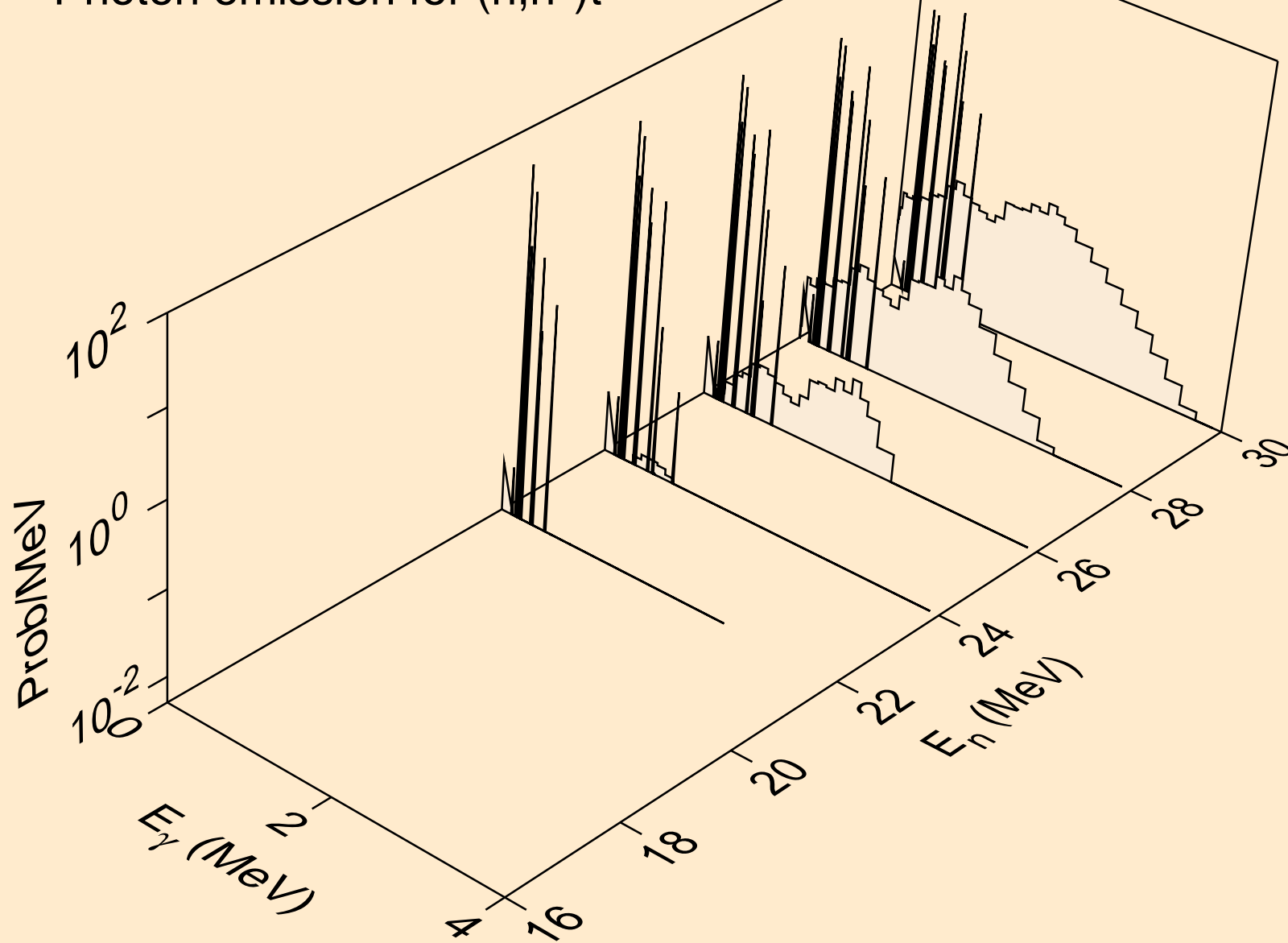




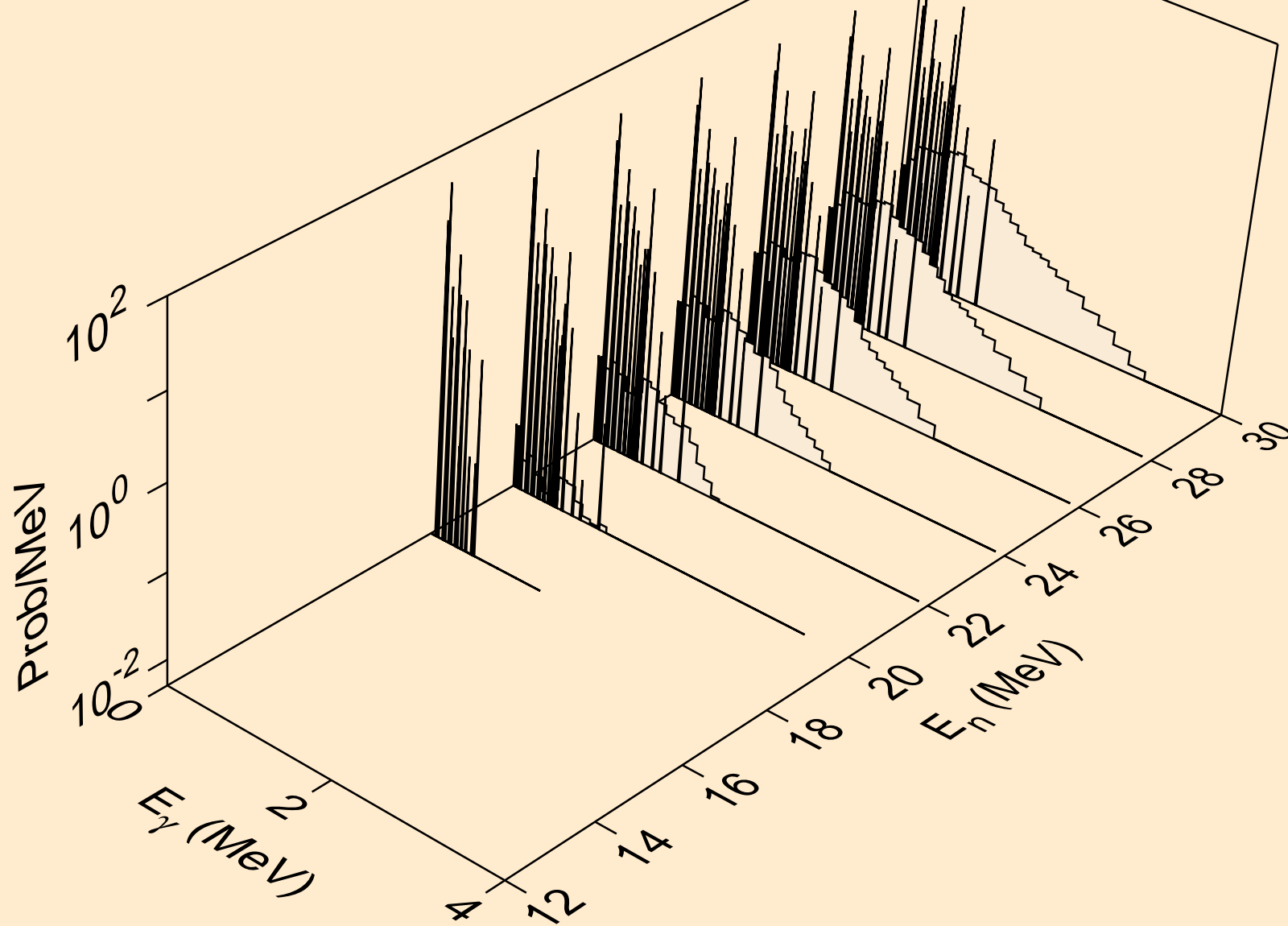
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Photon emission for (n,n\*)d



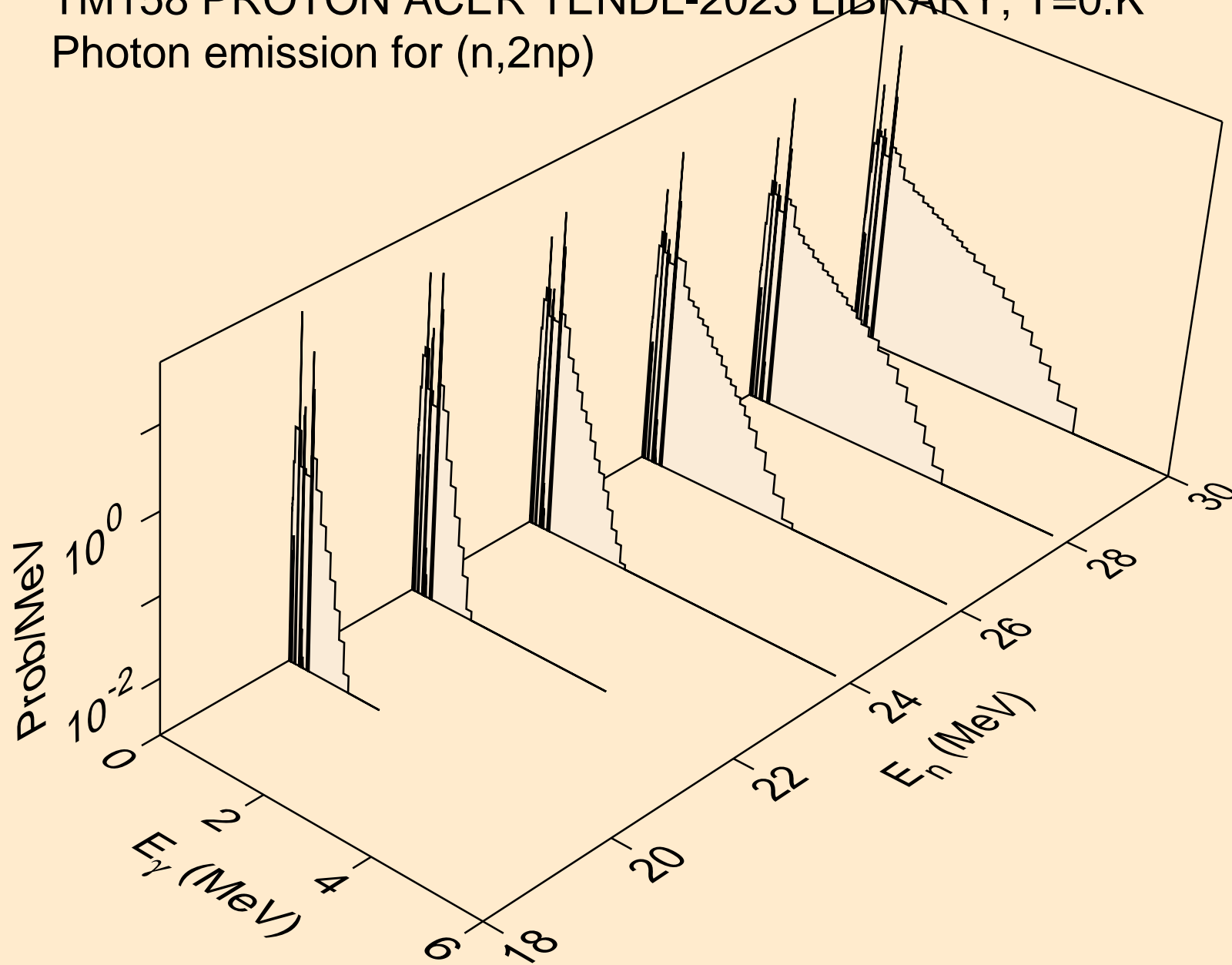
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



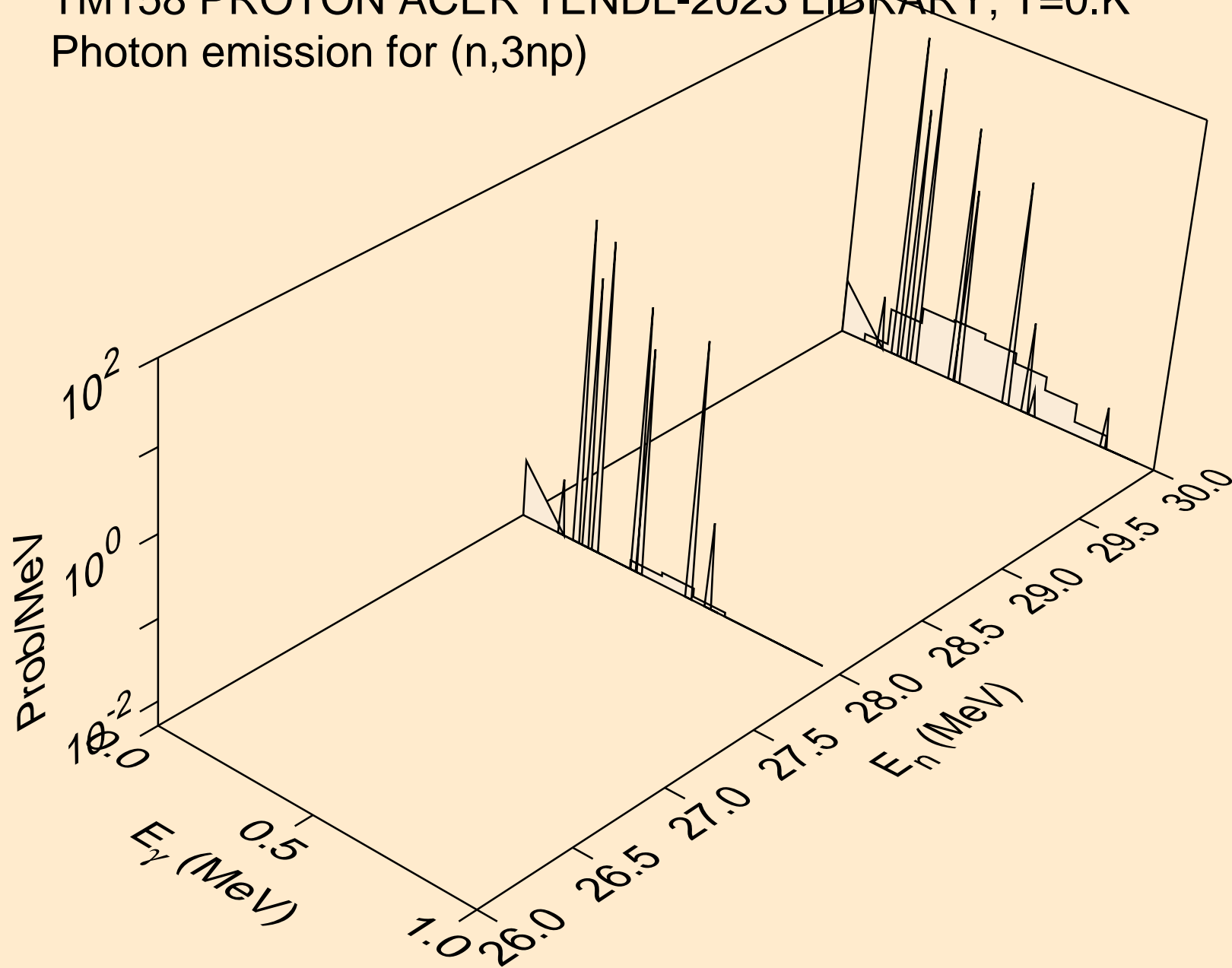
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



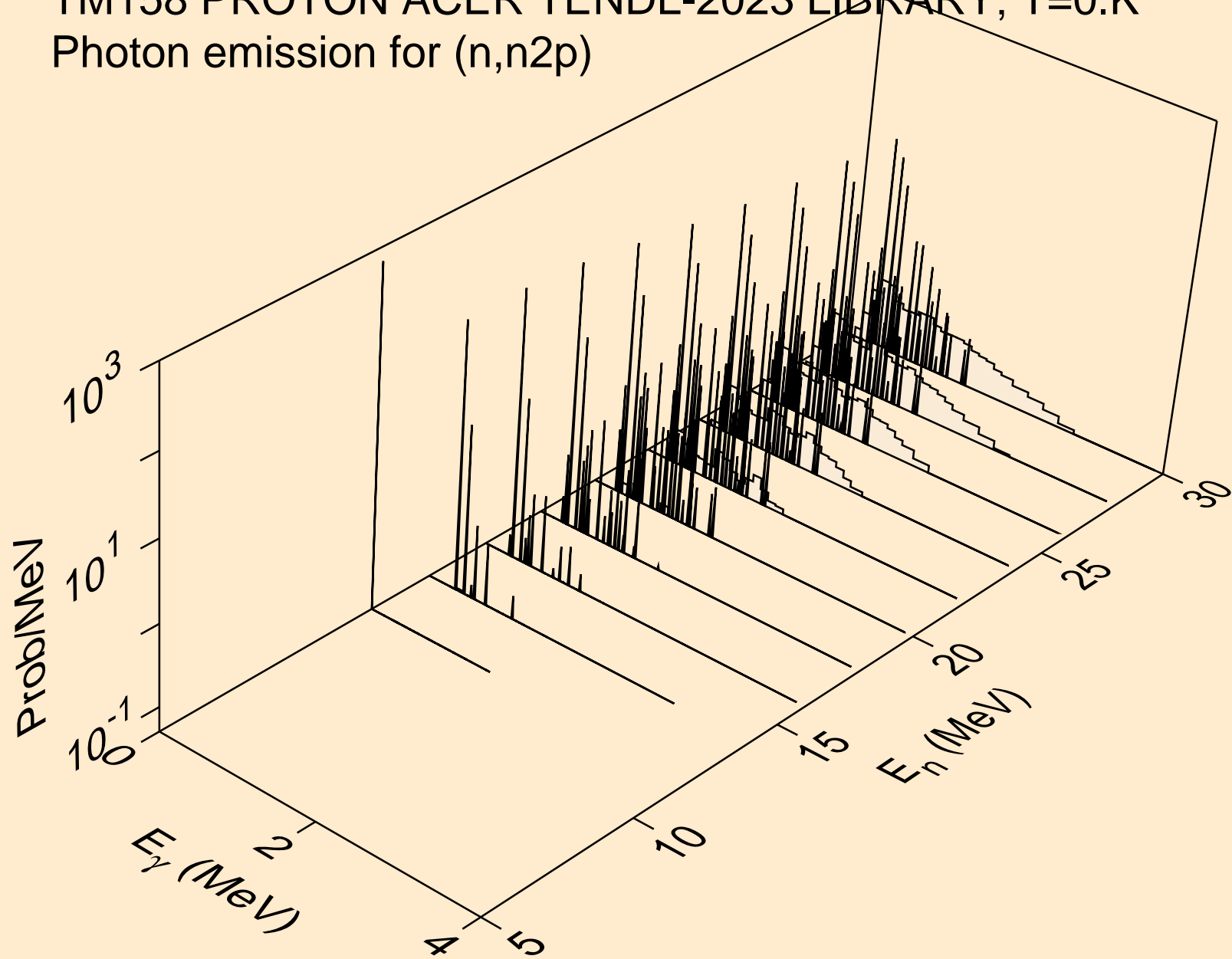
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Photon emission for (n,2np)



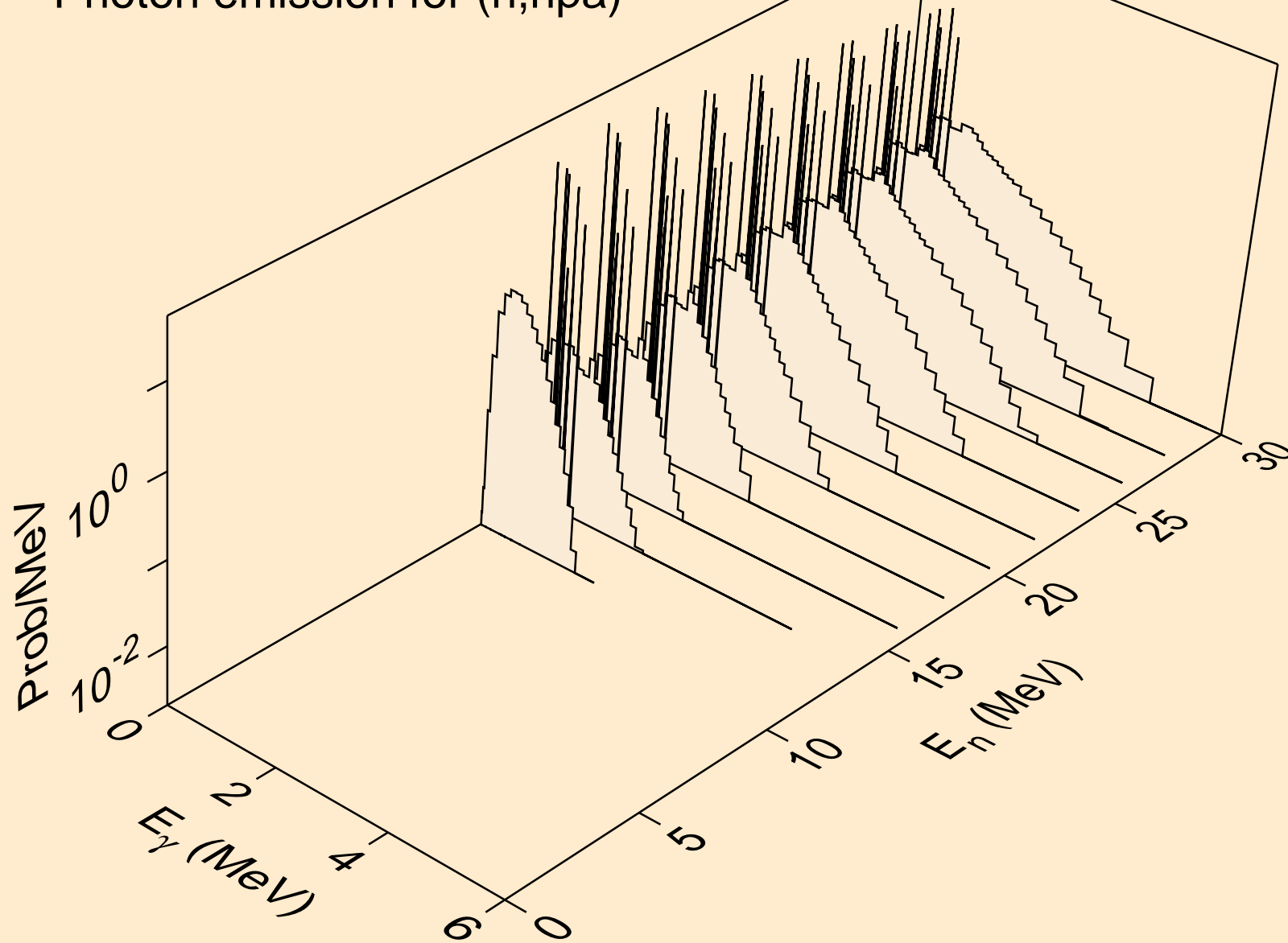
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Photon emission for (n,3np)



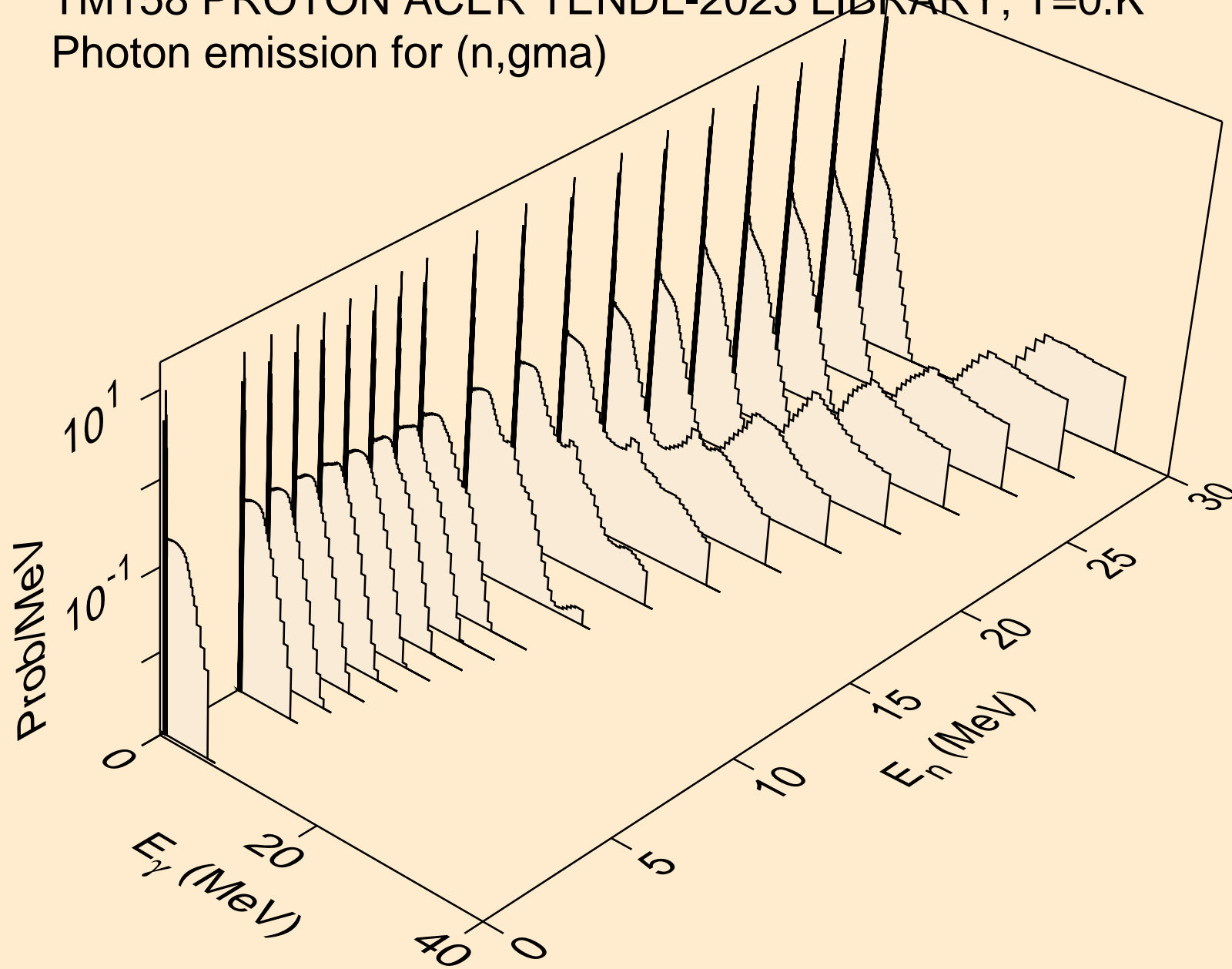
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)

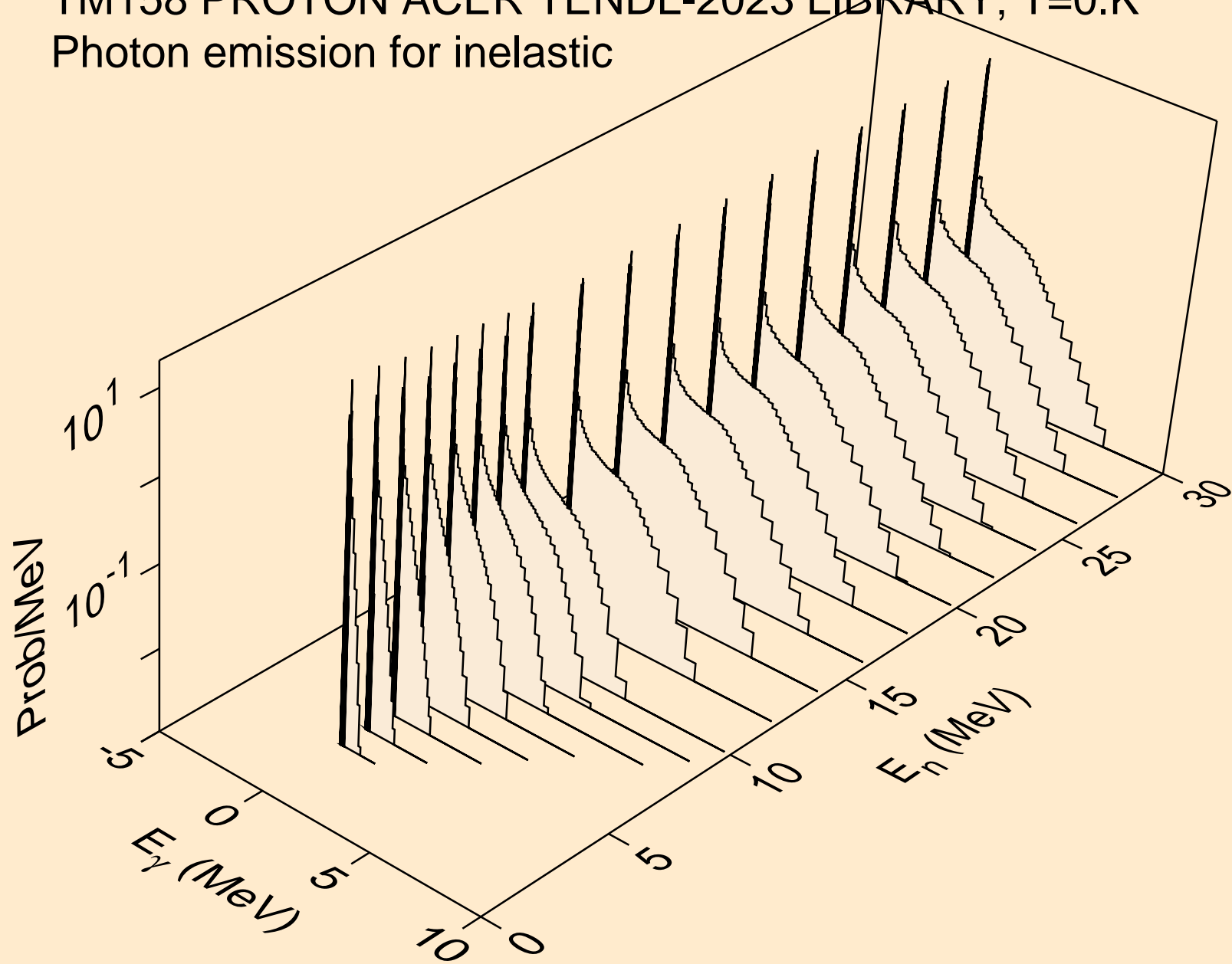


TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)

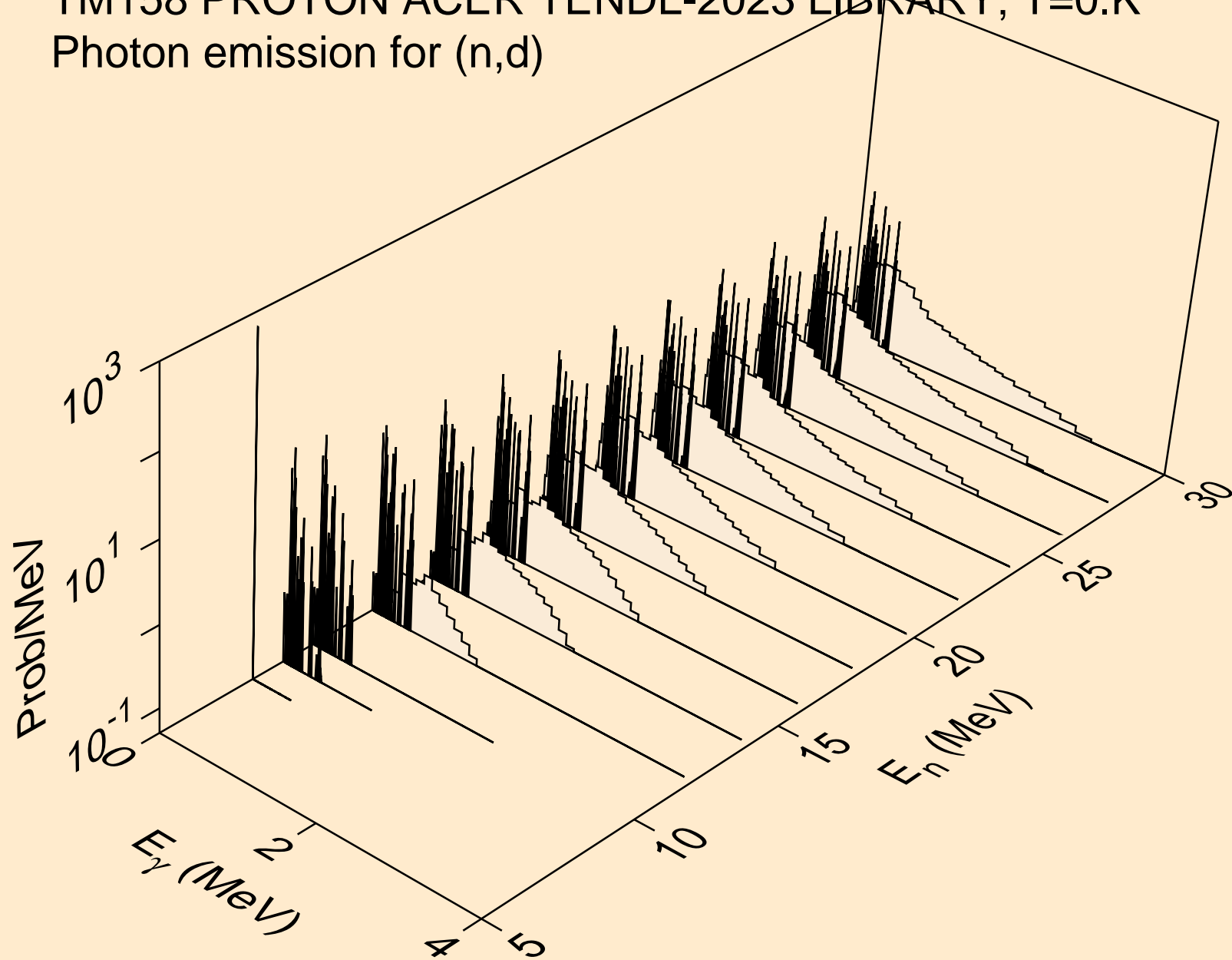




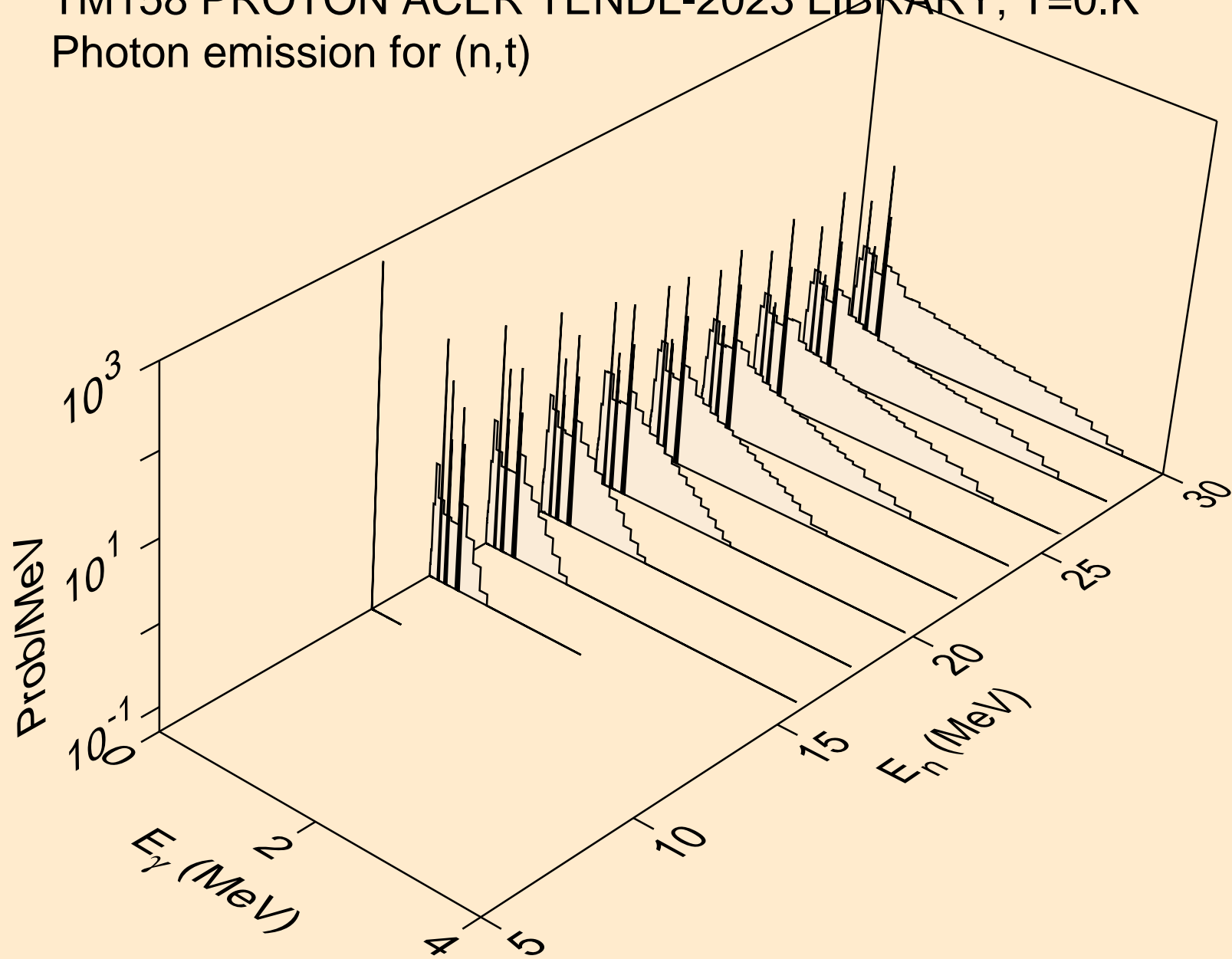
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



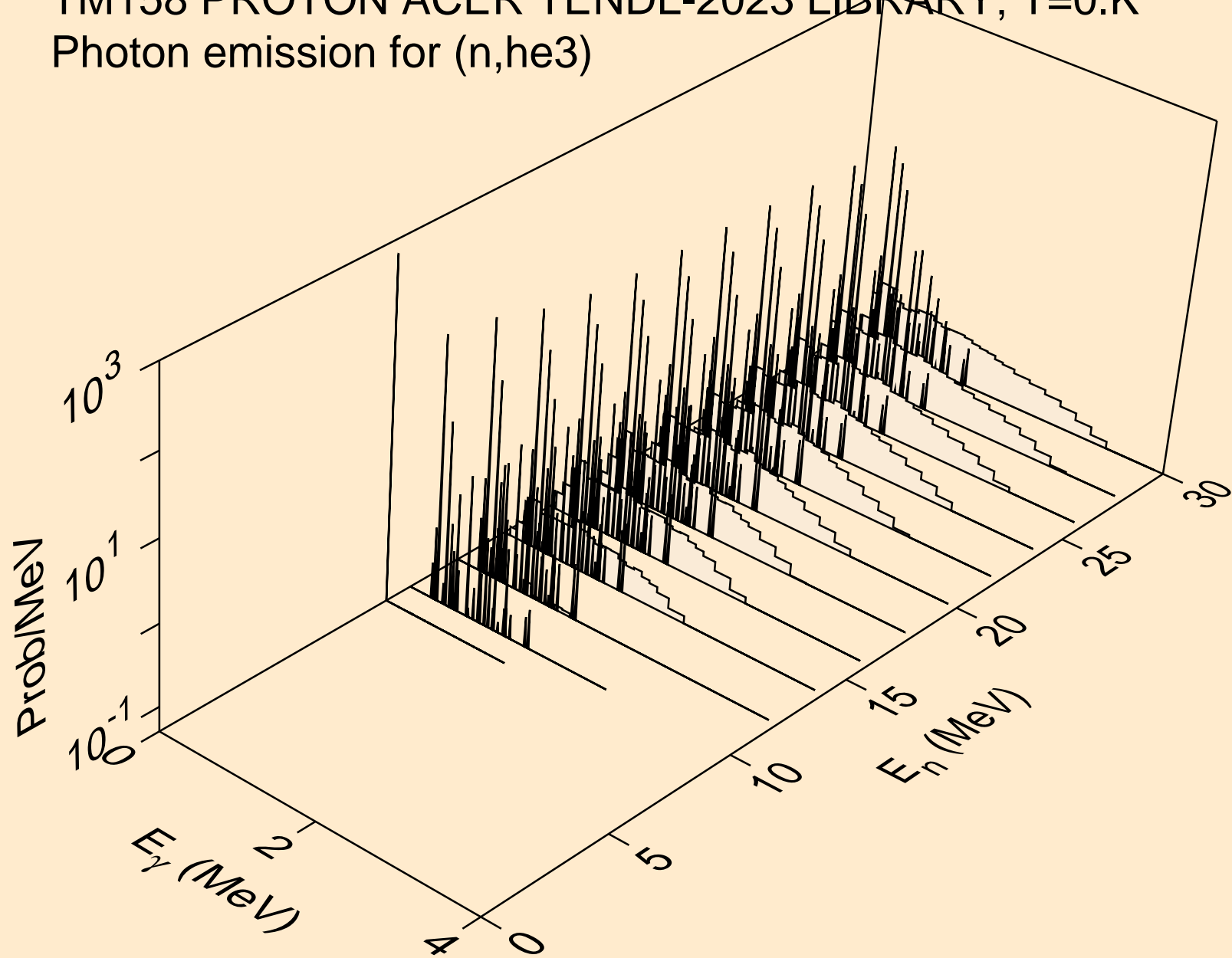
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Photon emission for (n,d)



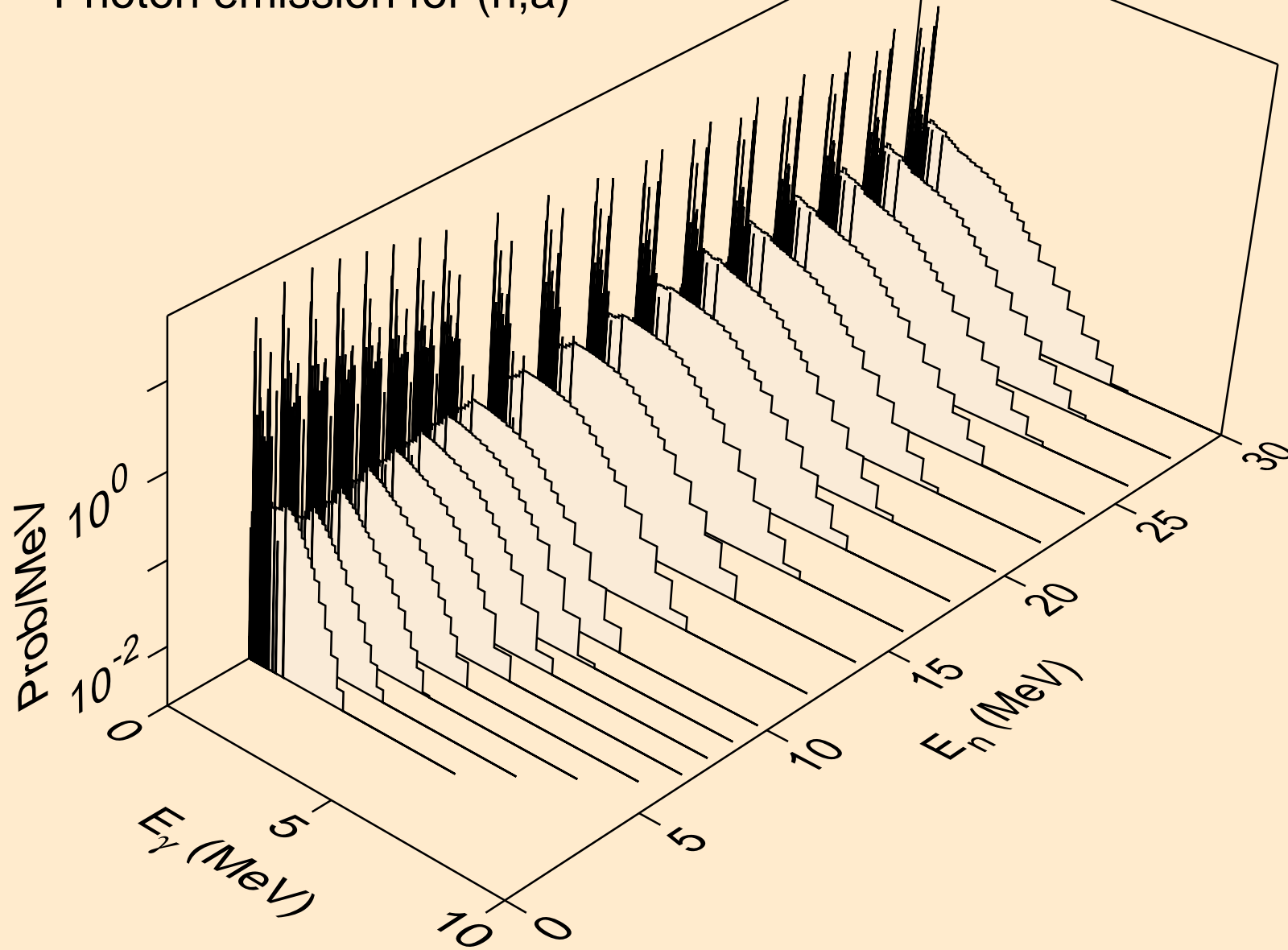
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Photon emission for (n,t)



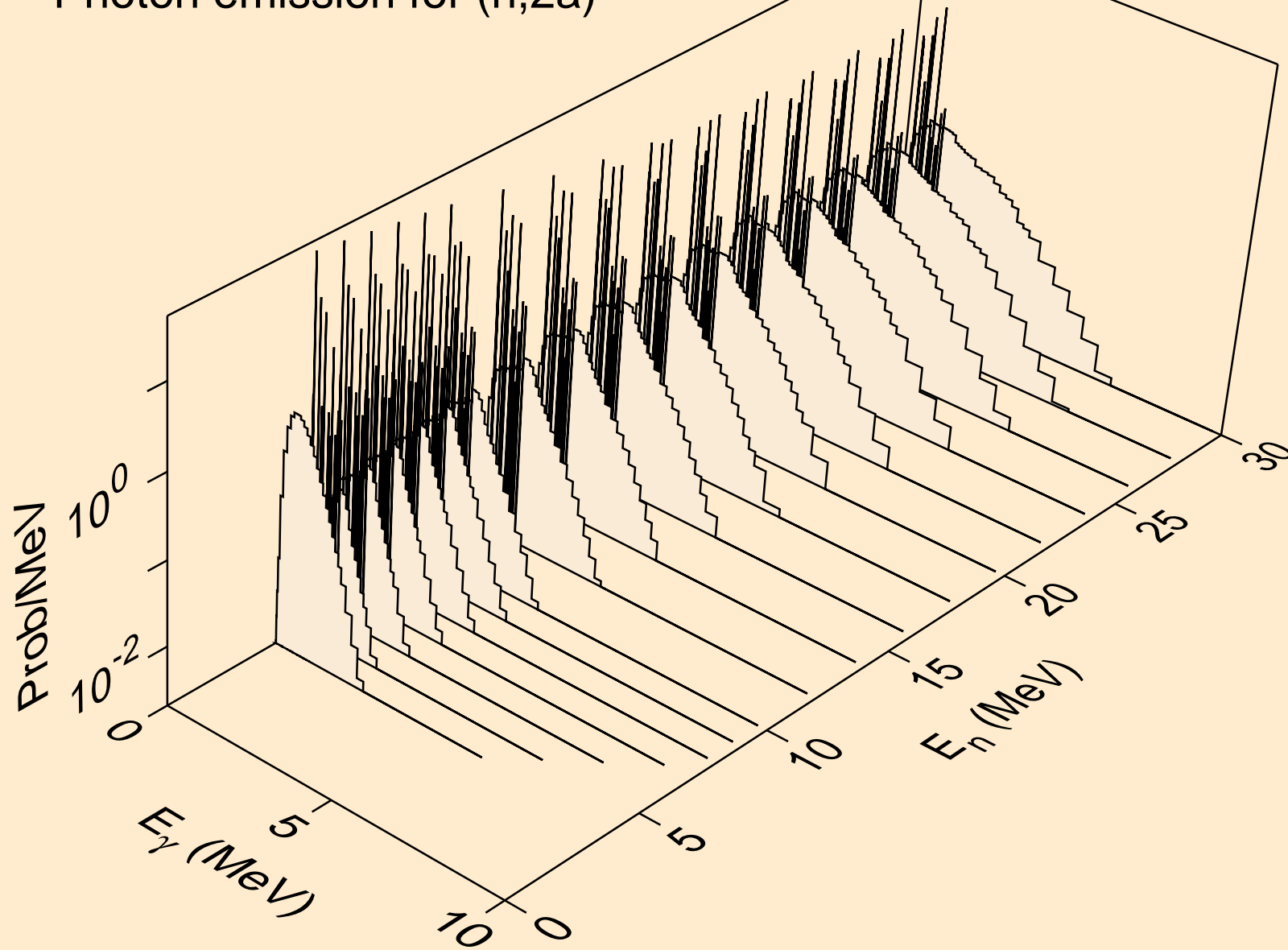
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Photon emission for (n,he3)



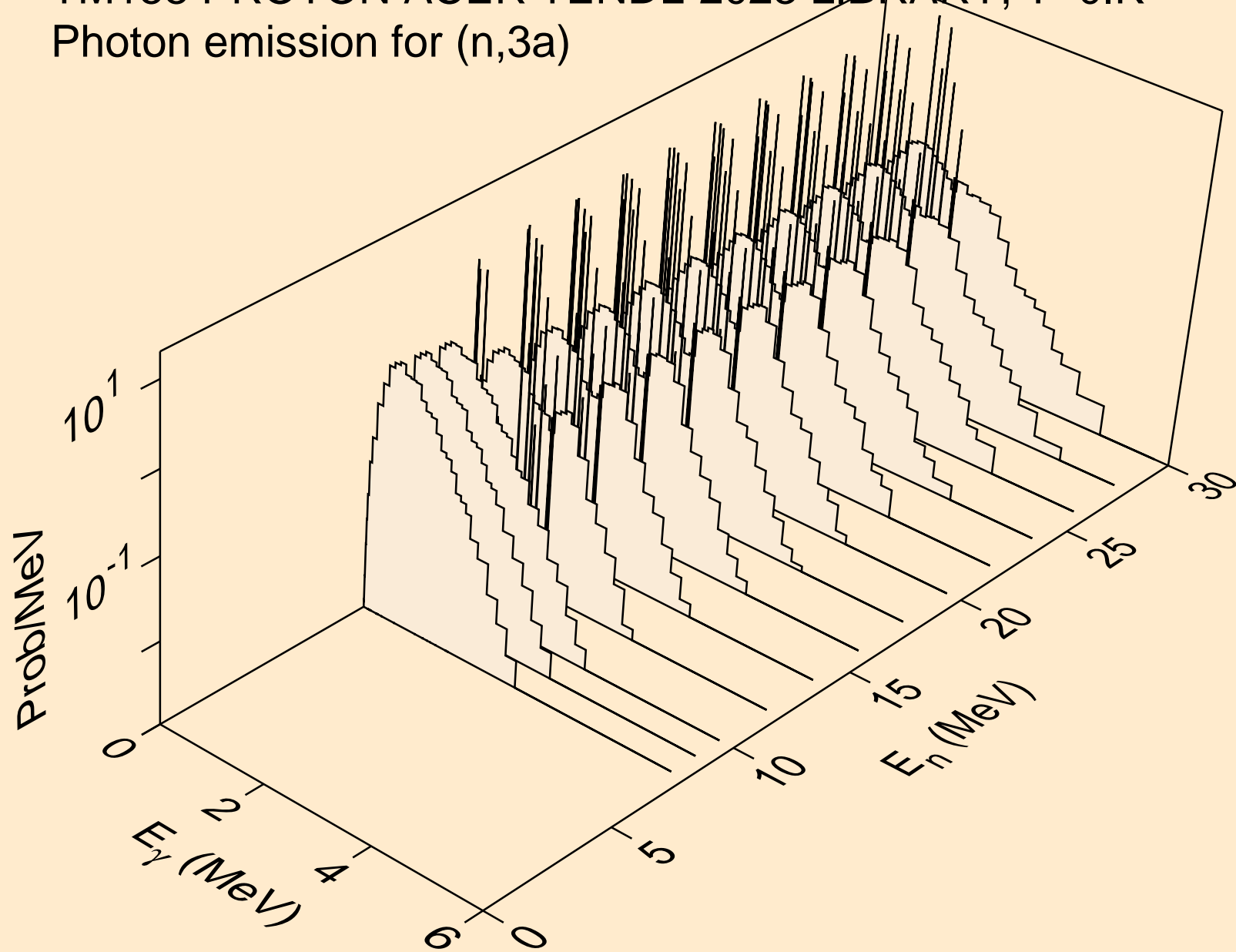
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



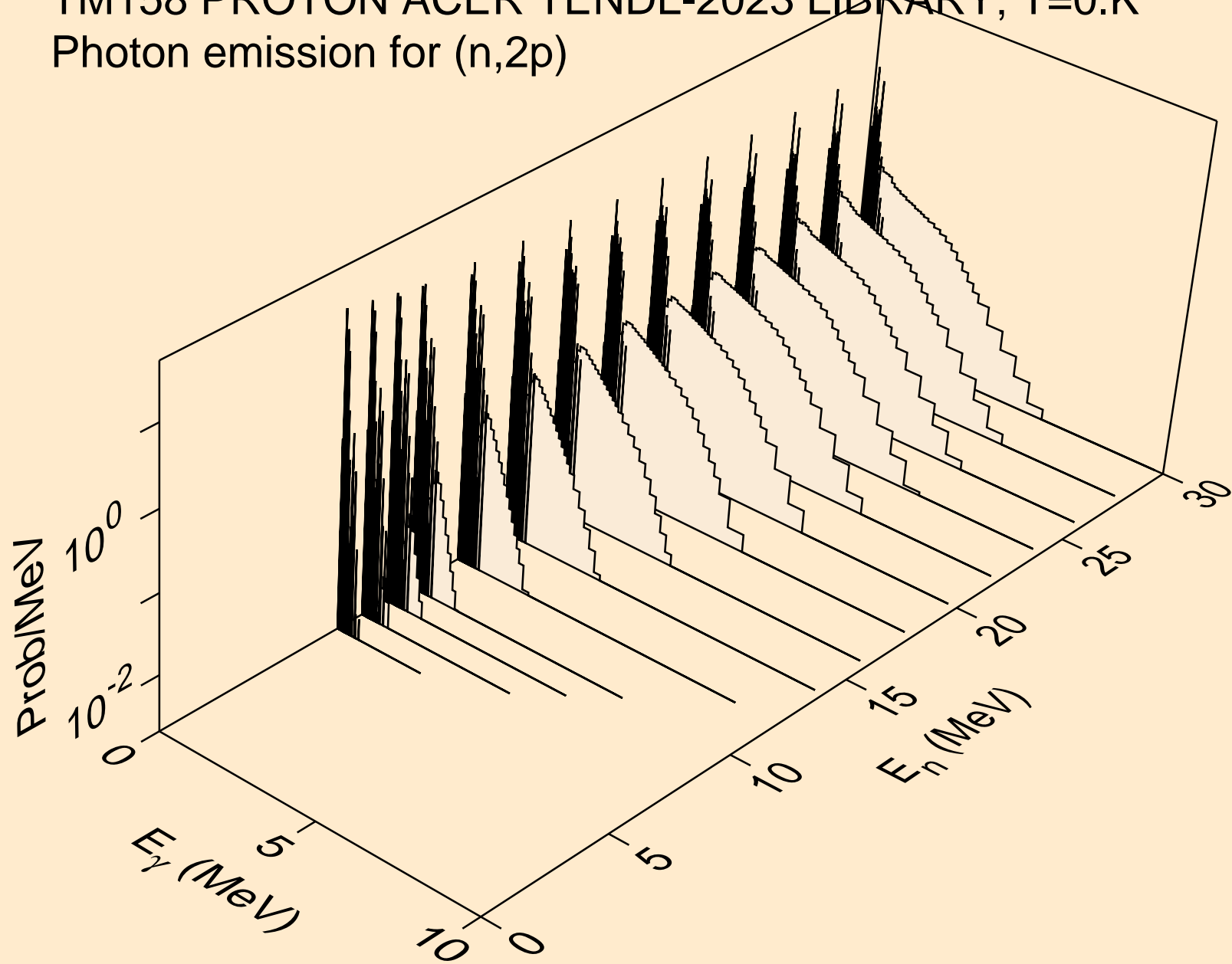
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)

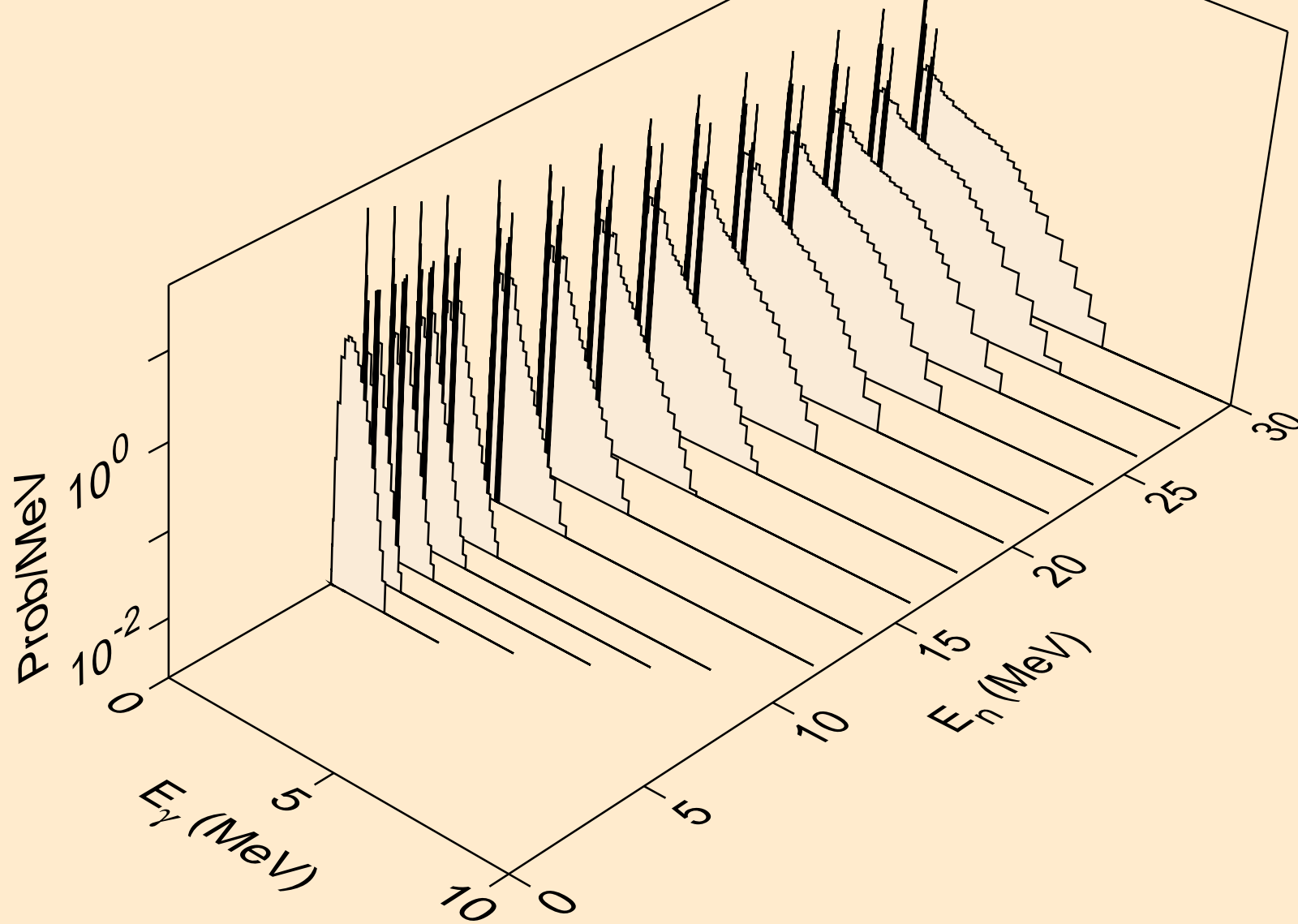


TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)

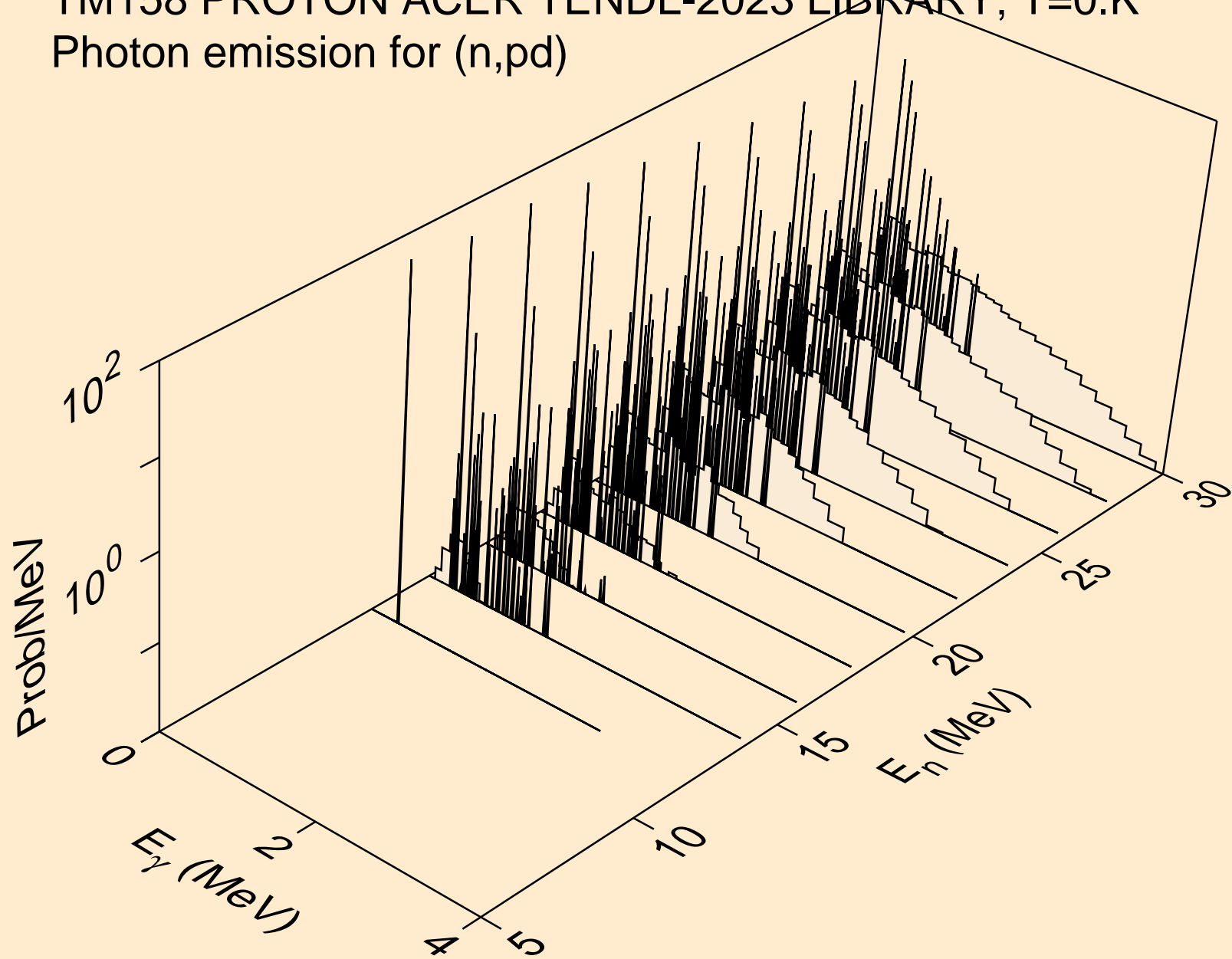




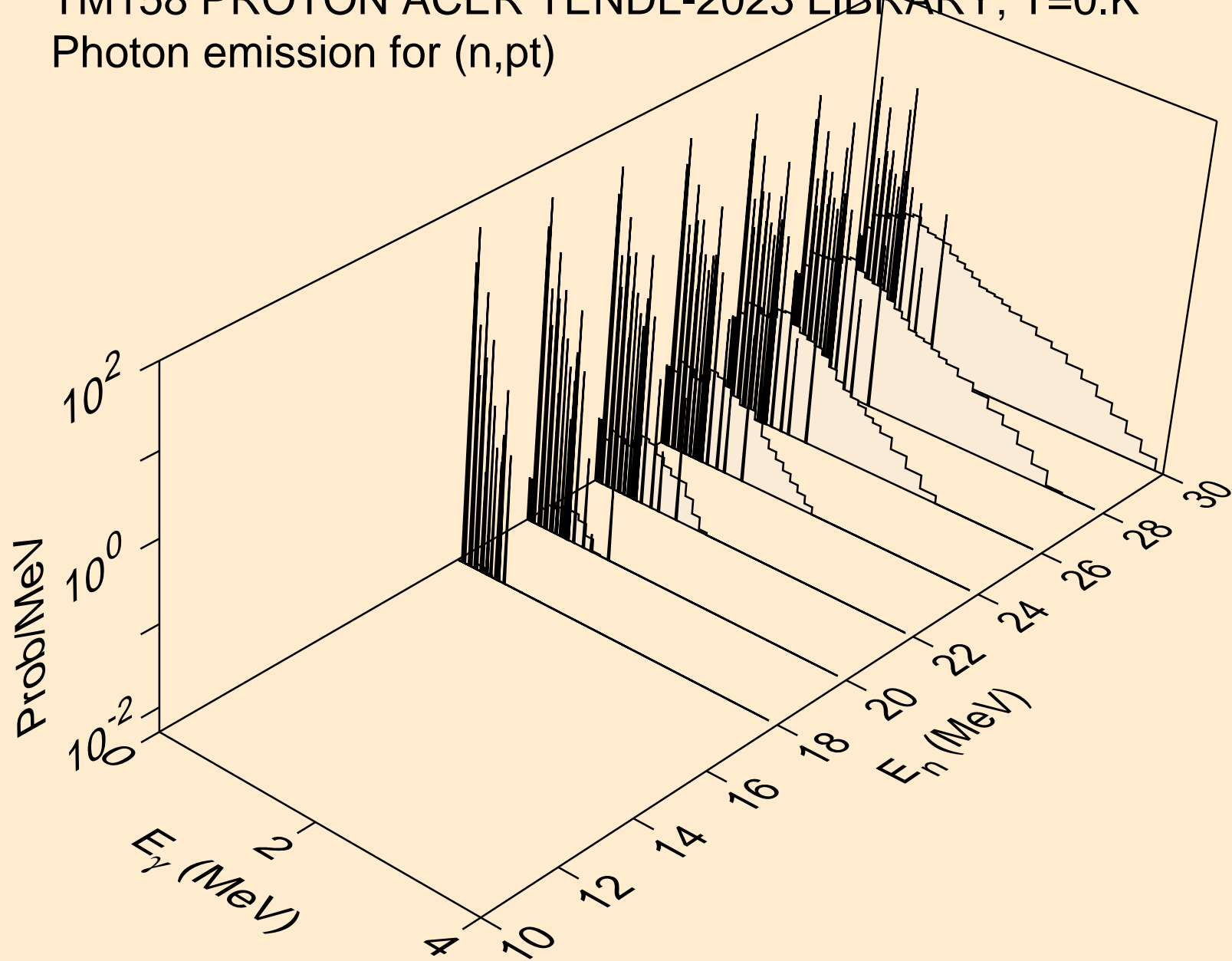
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)



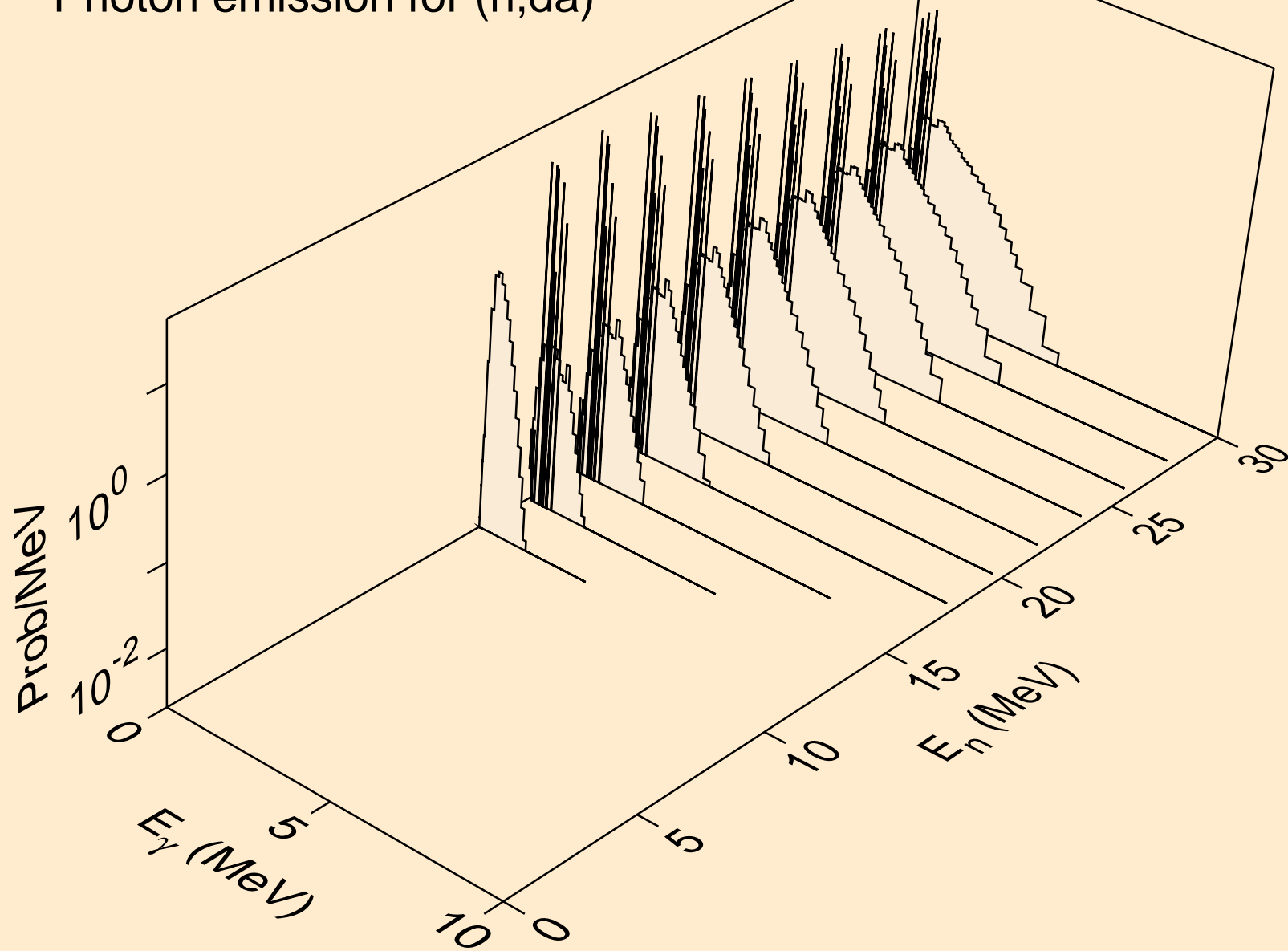
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

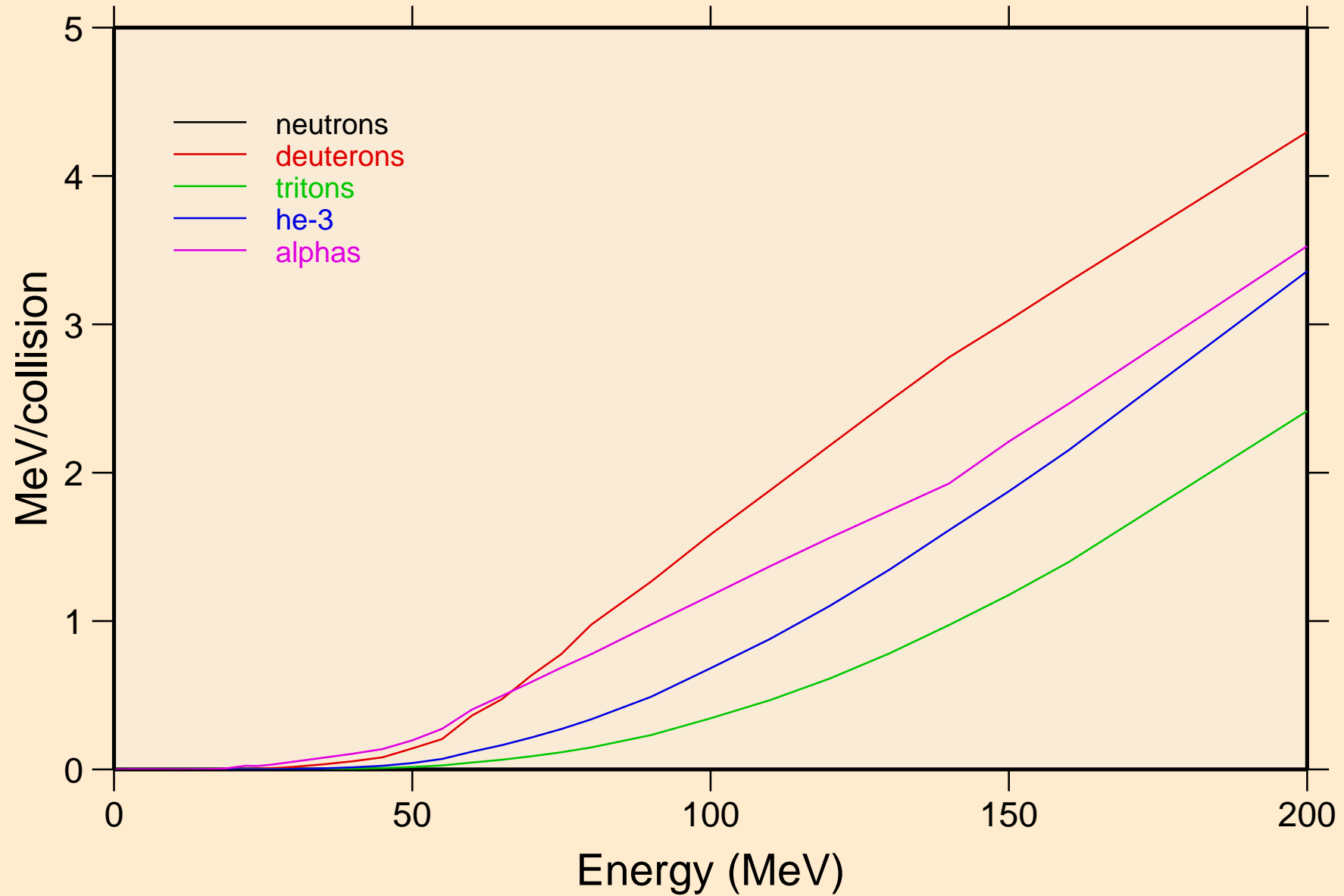


TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

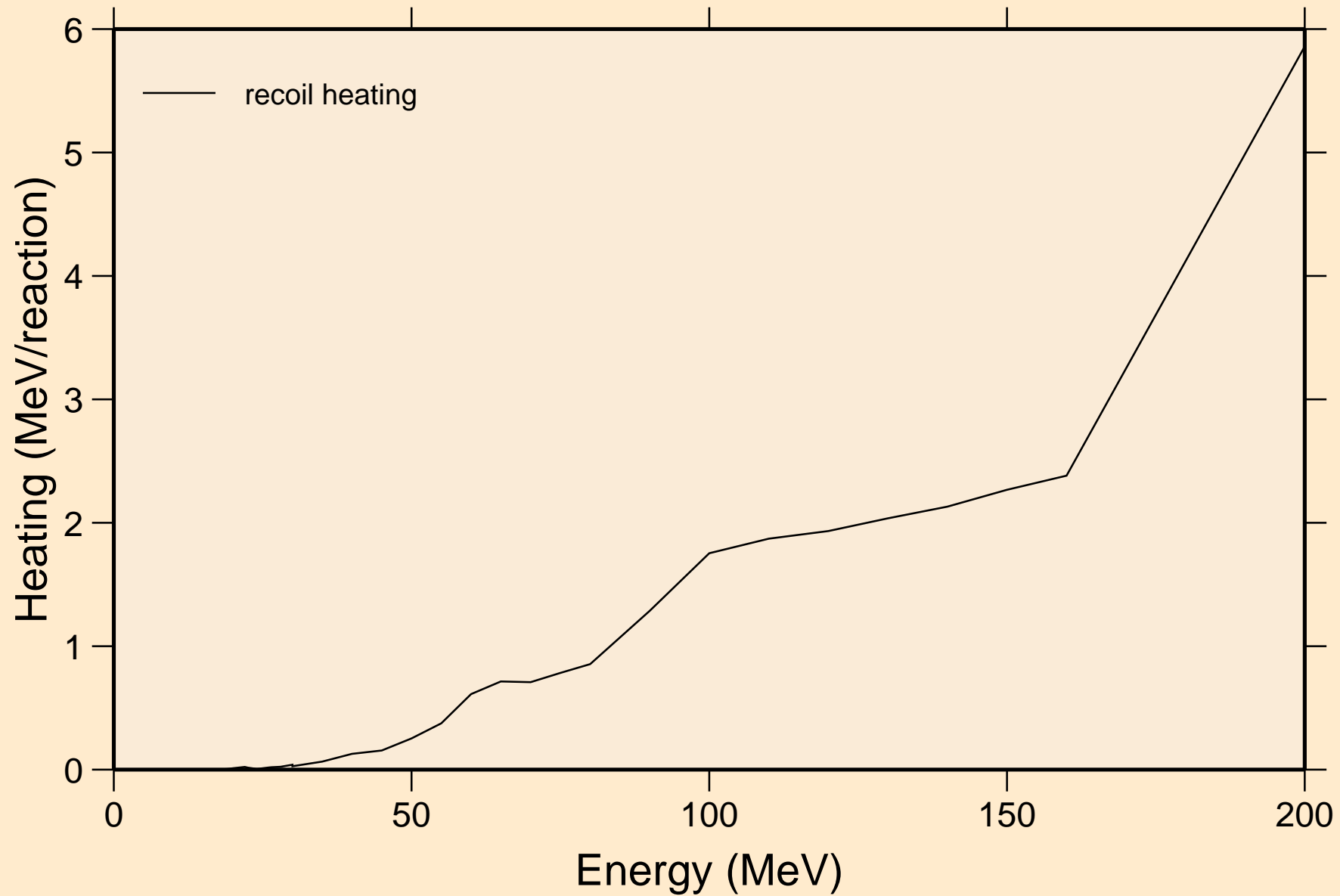


# TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K

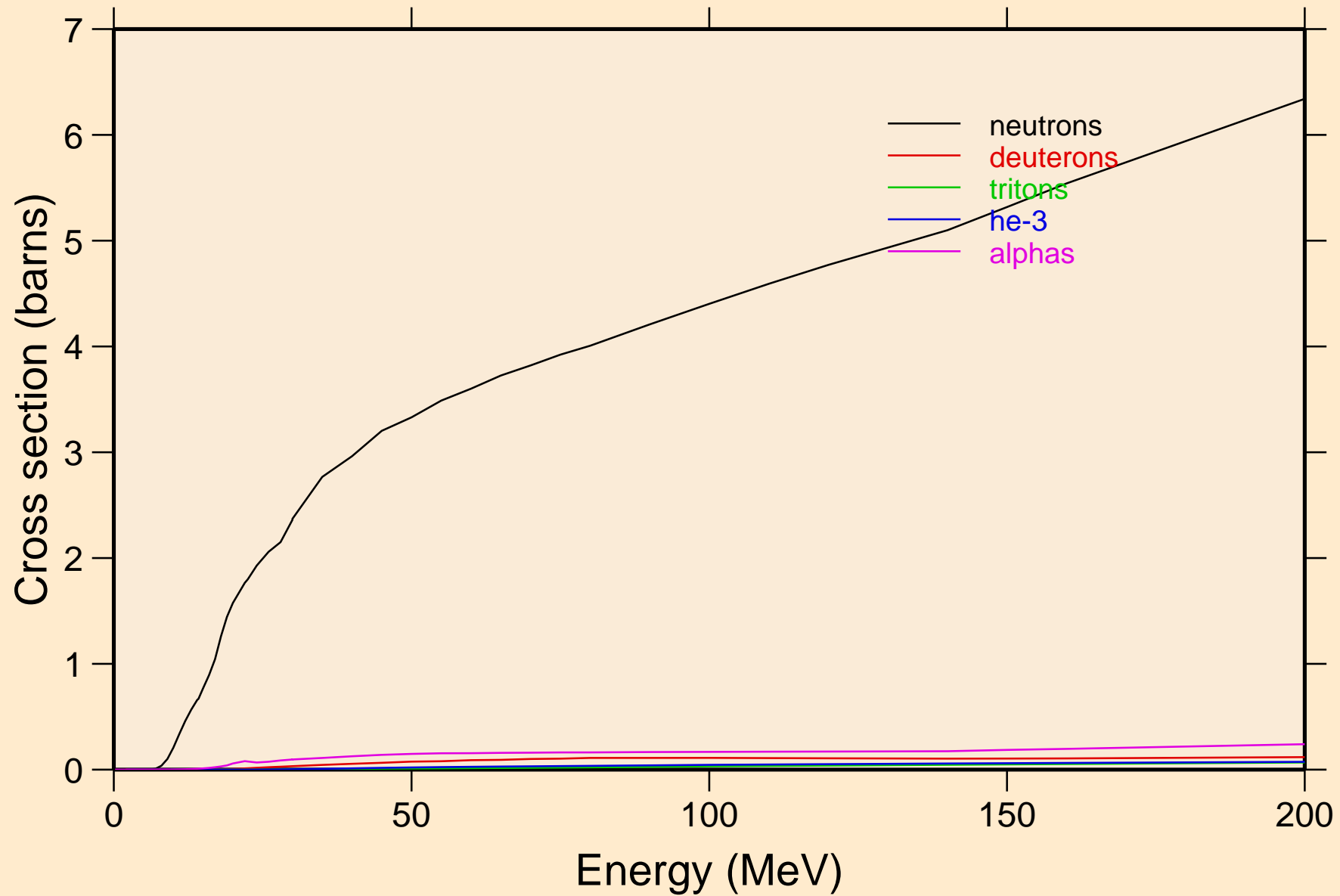
## Particle heating contributions



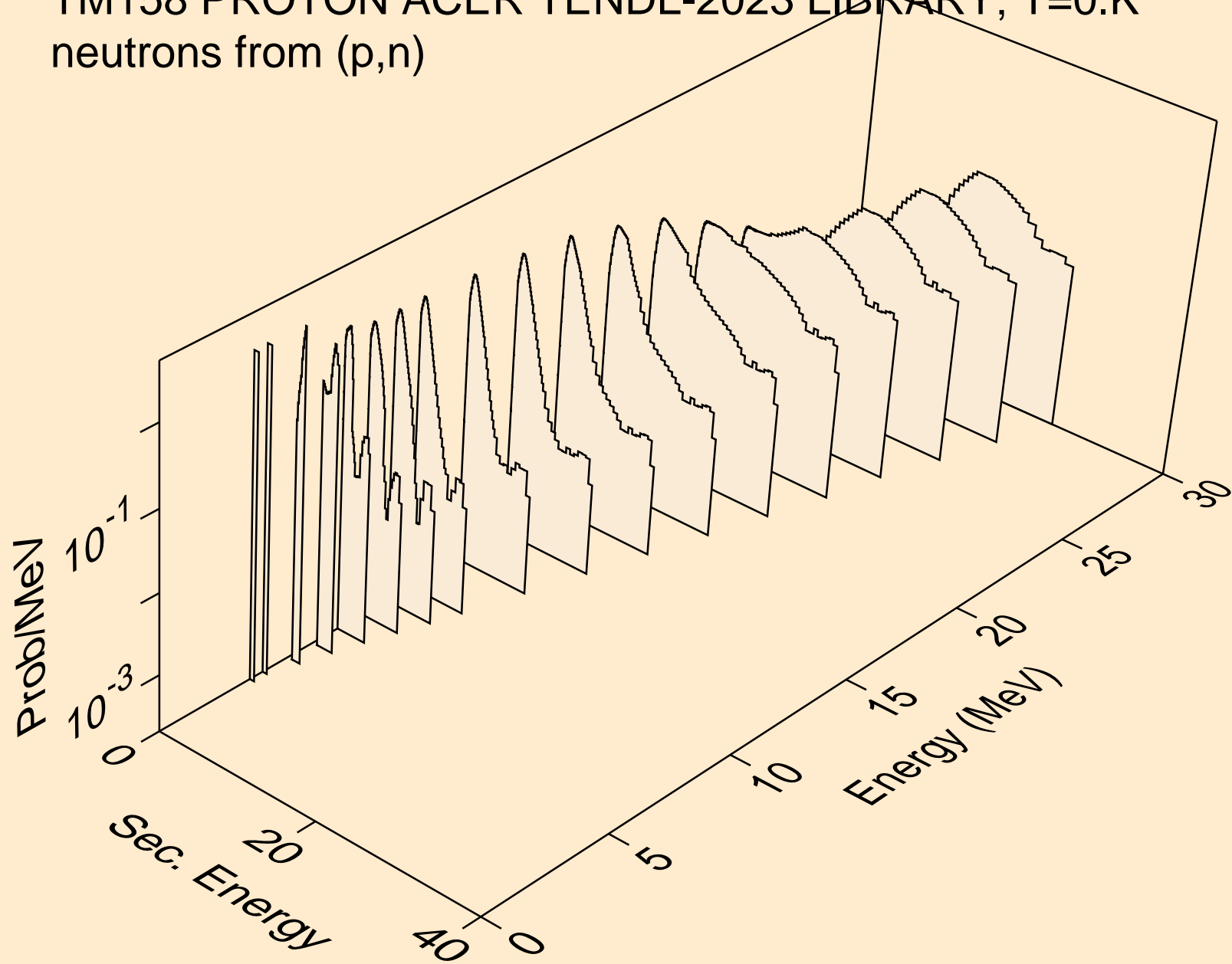
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections

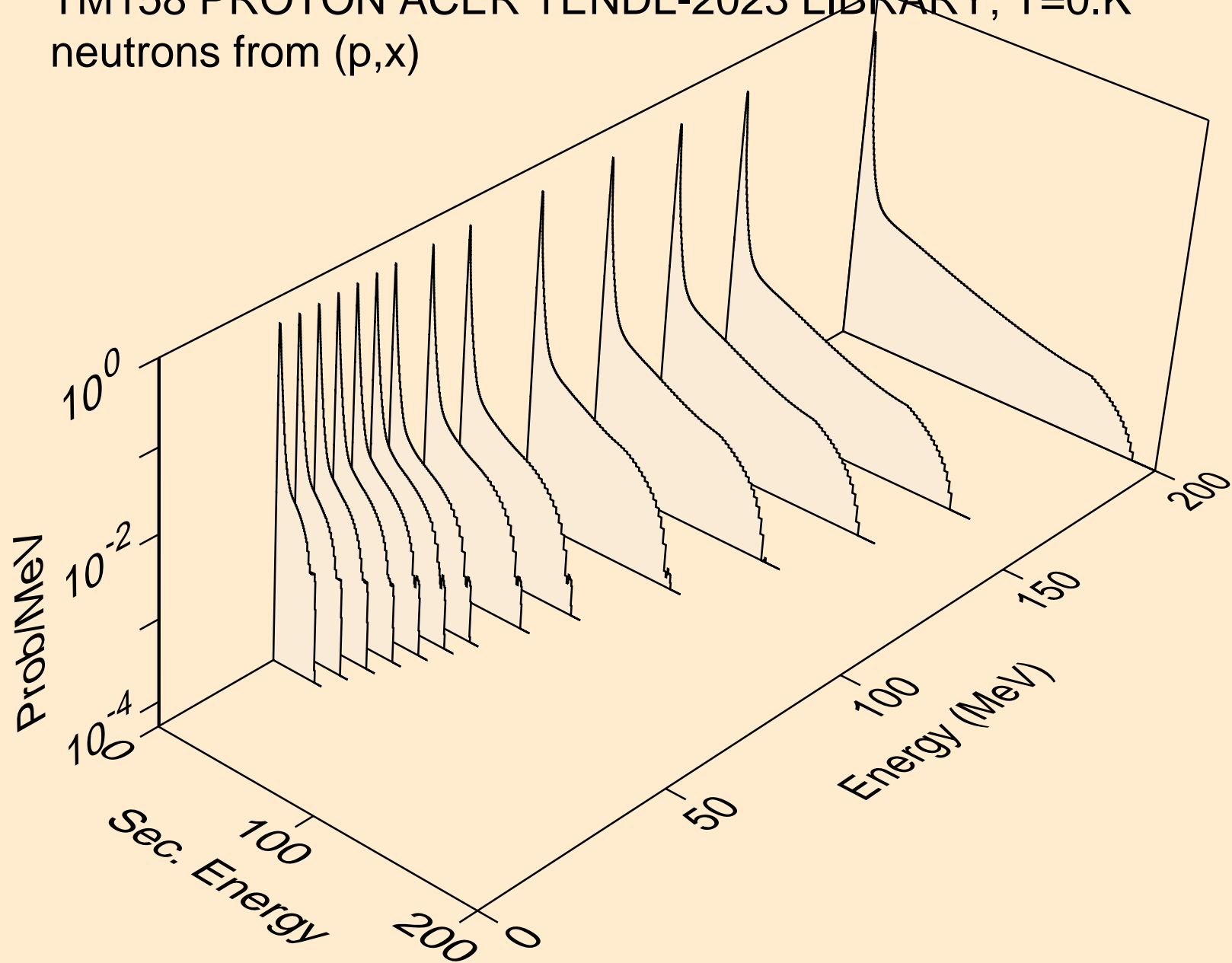


TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)

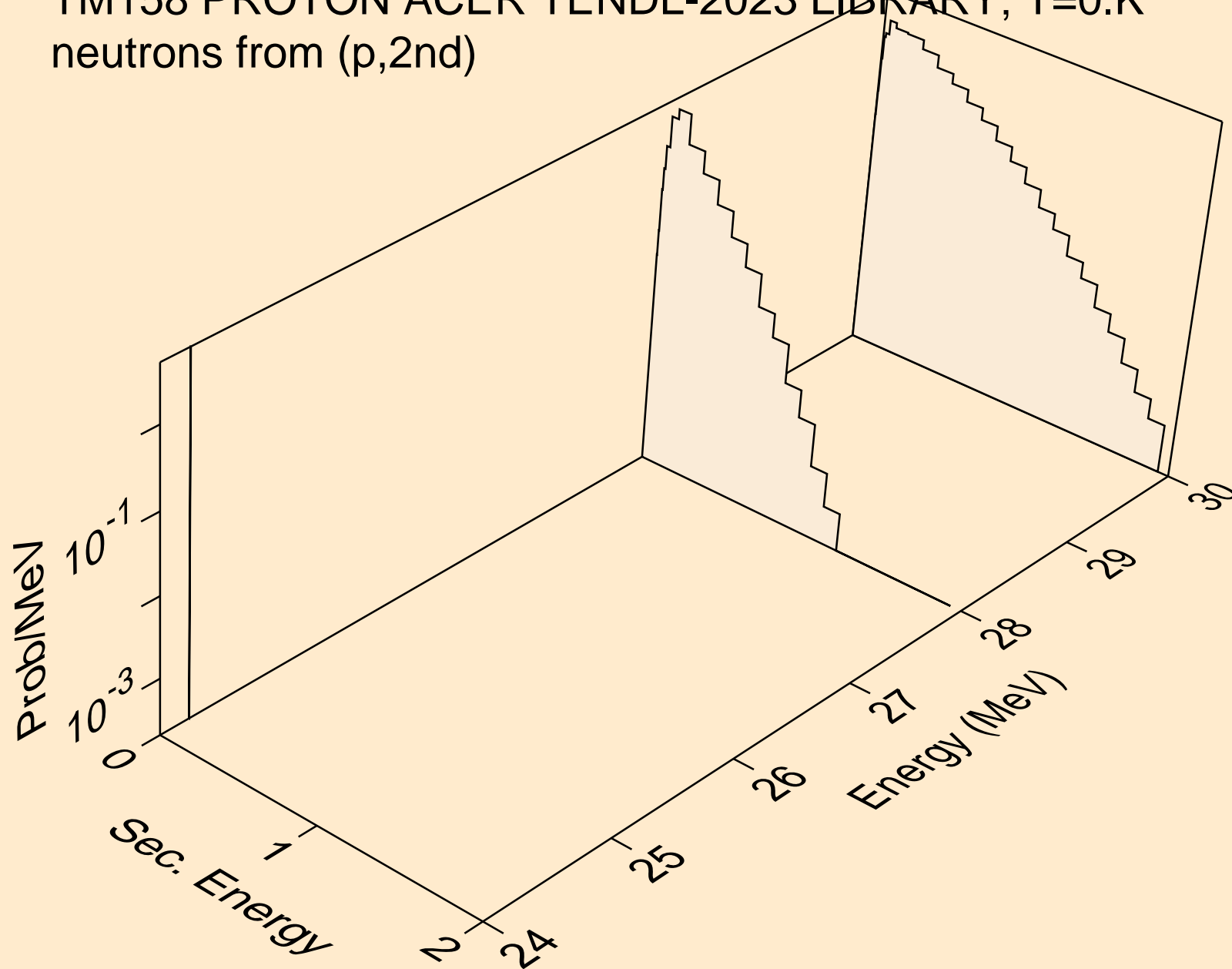




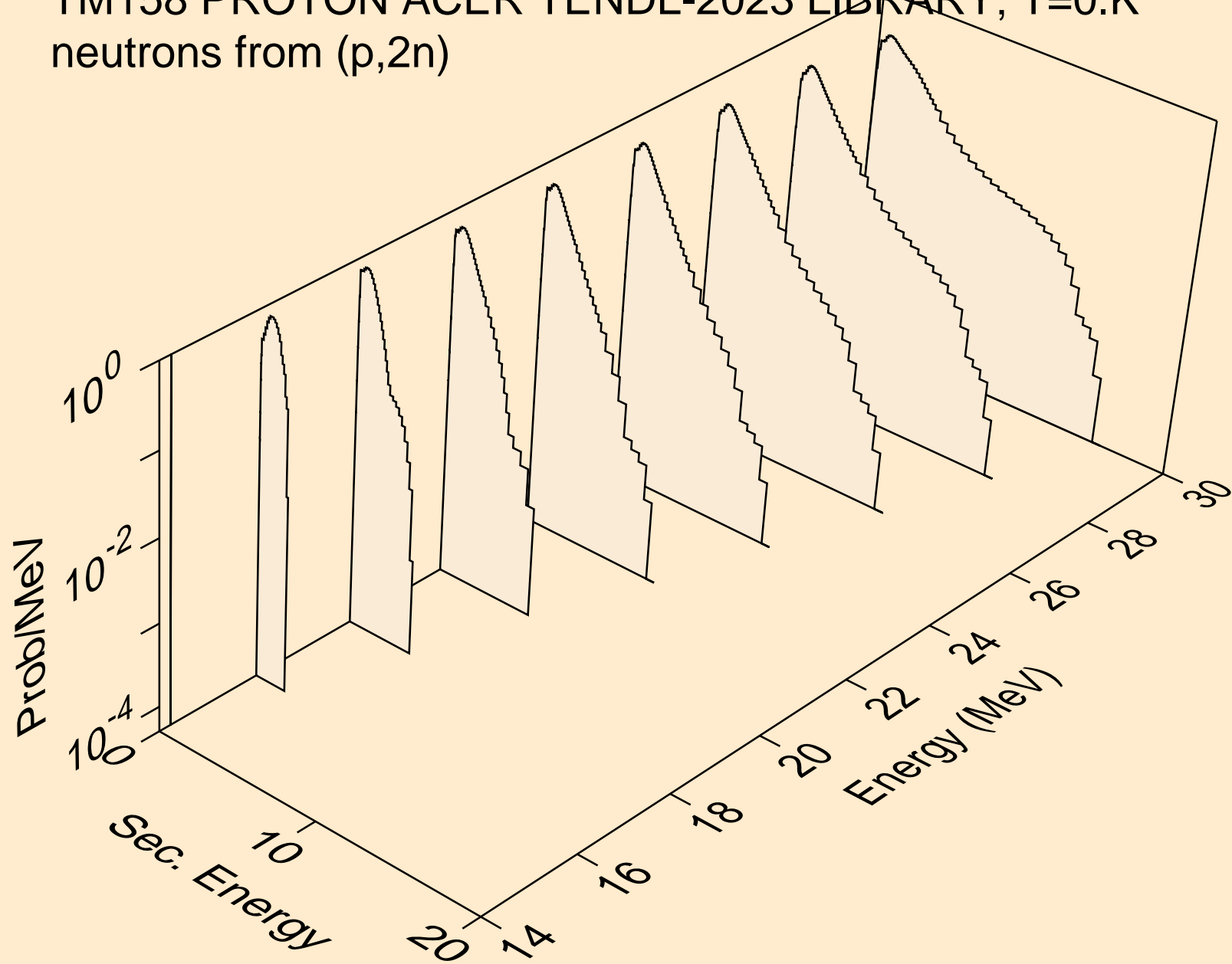
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)



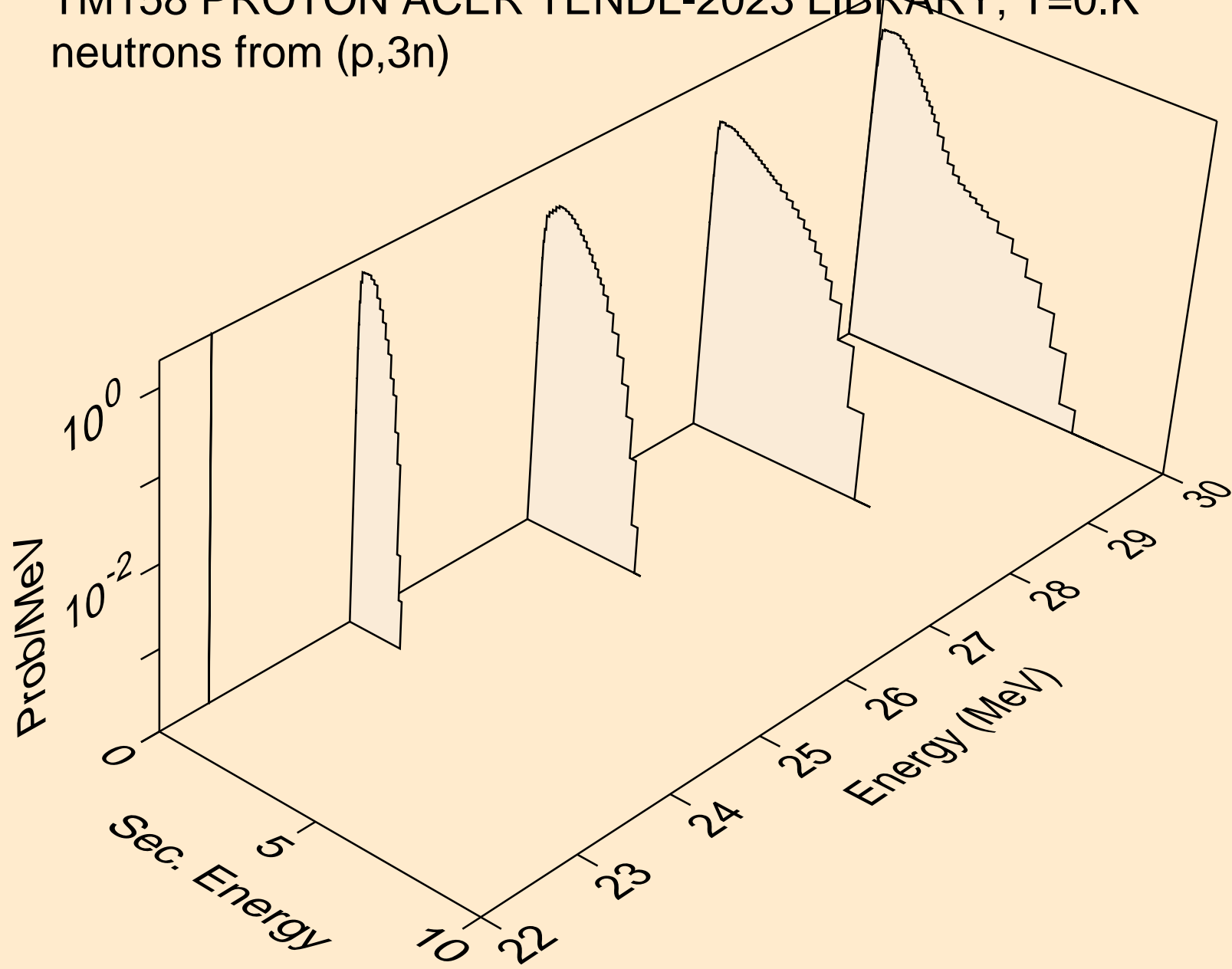
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neutrons from (p,2nd)



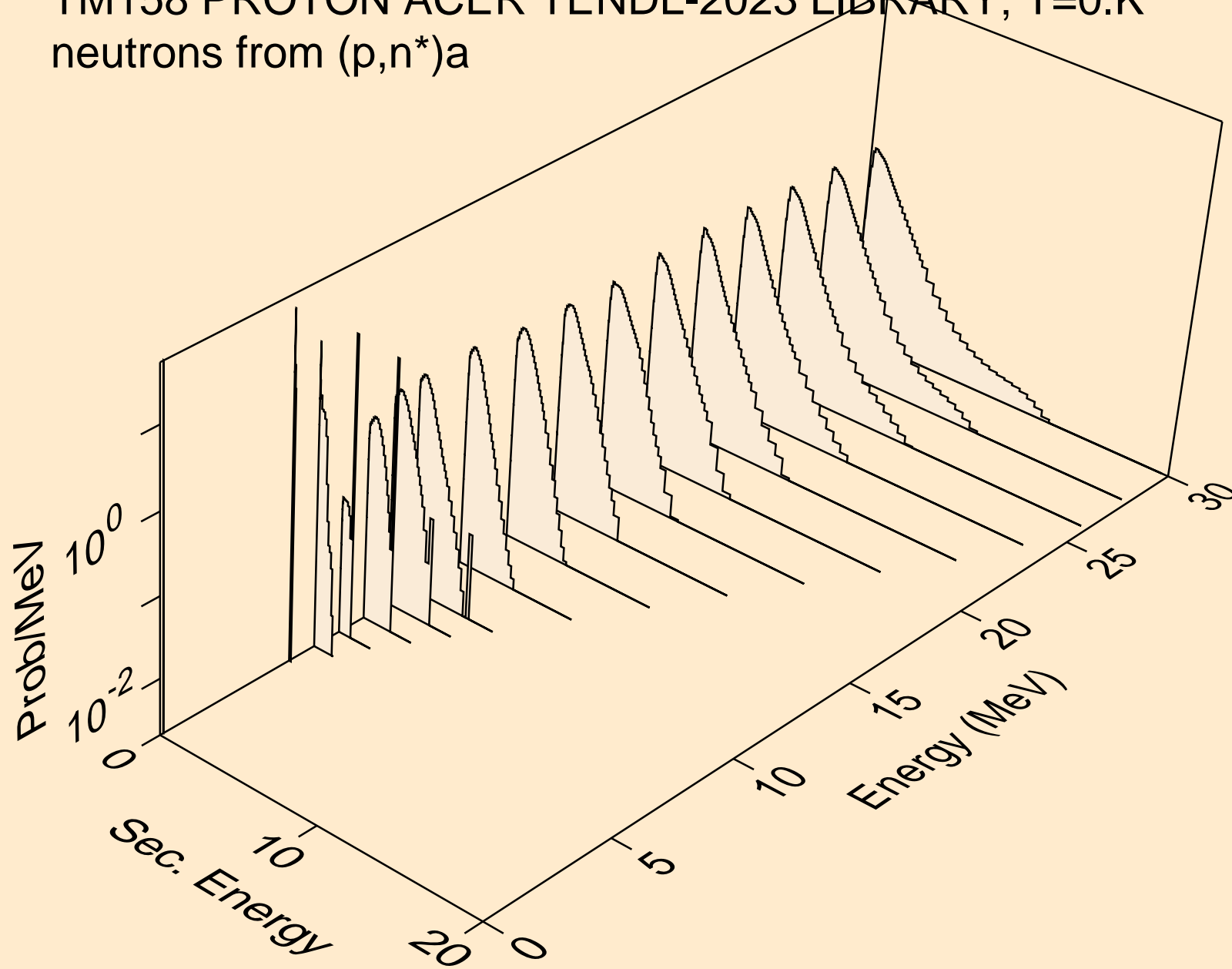
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neutrons from (p,2n)



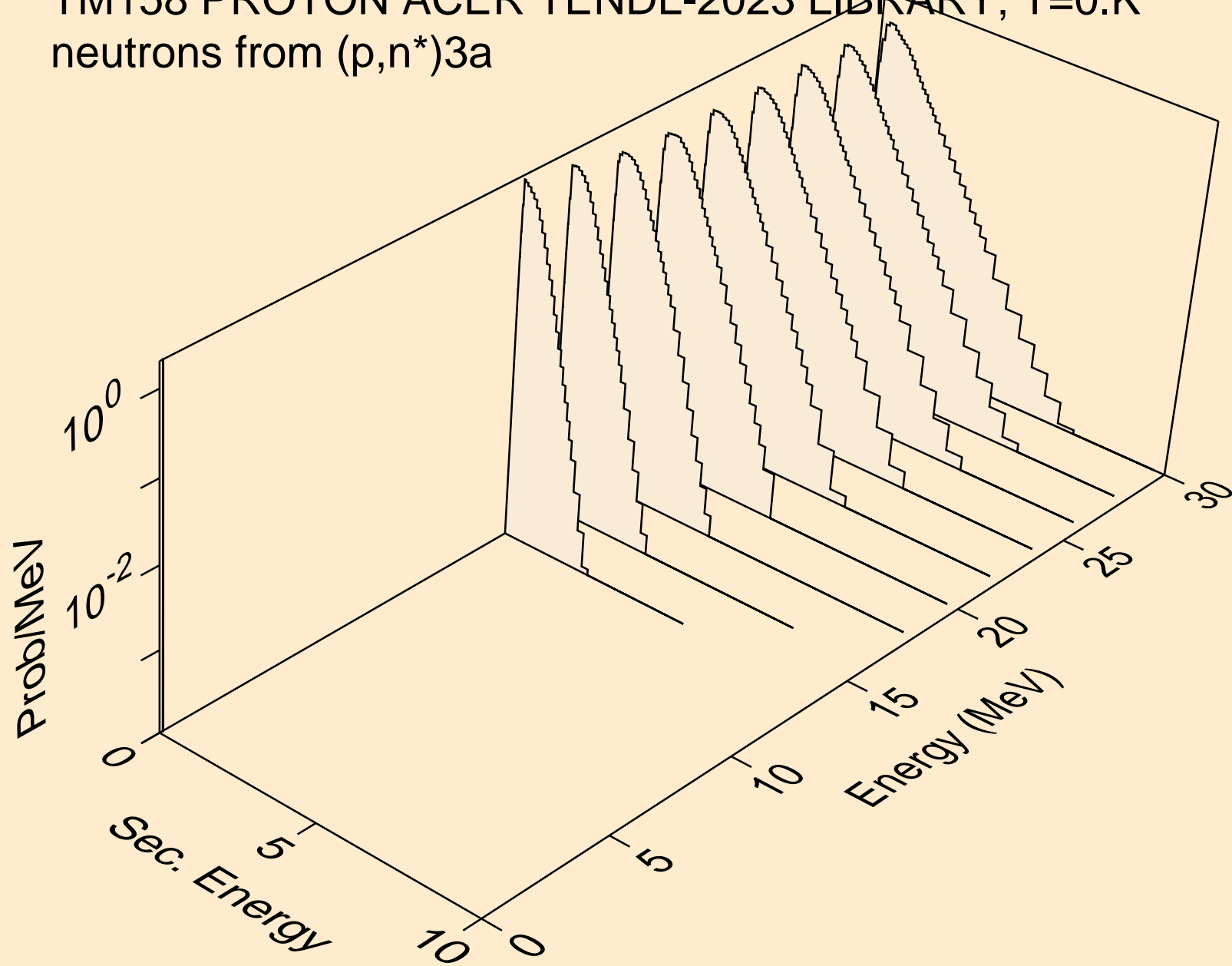
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3n)



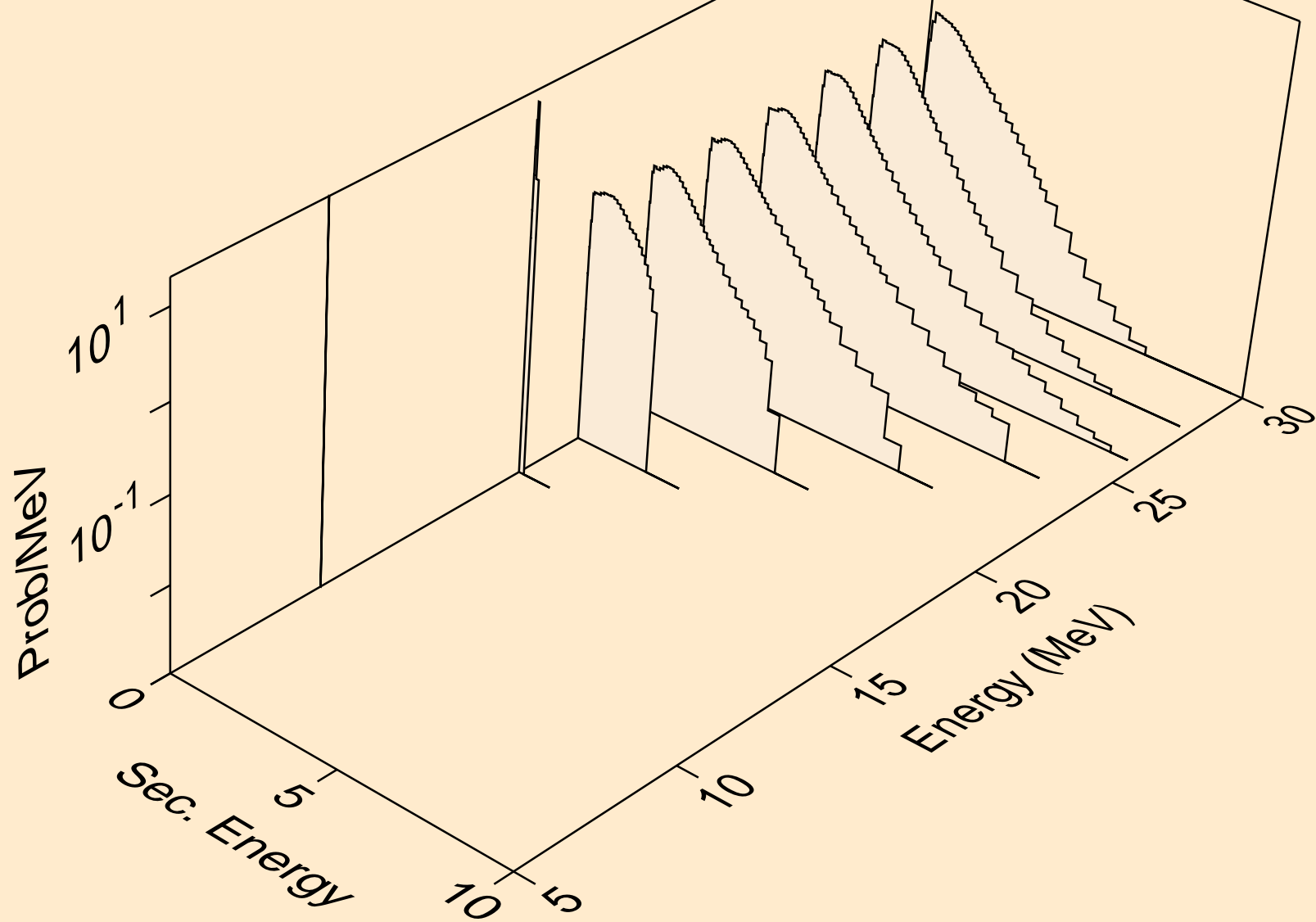
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a



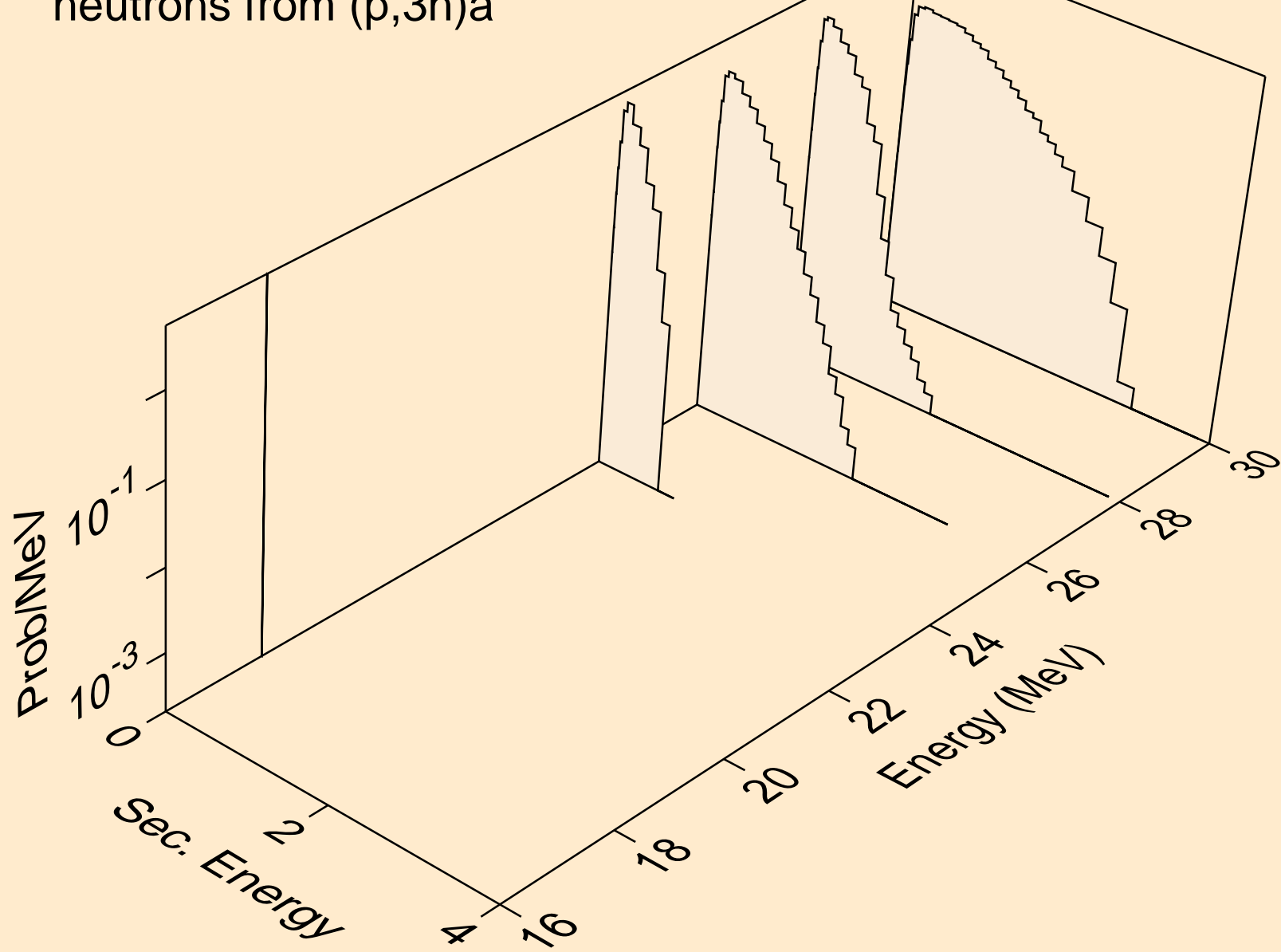
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)3a



TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)a

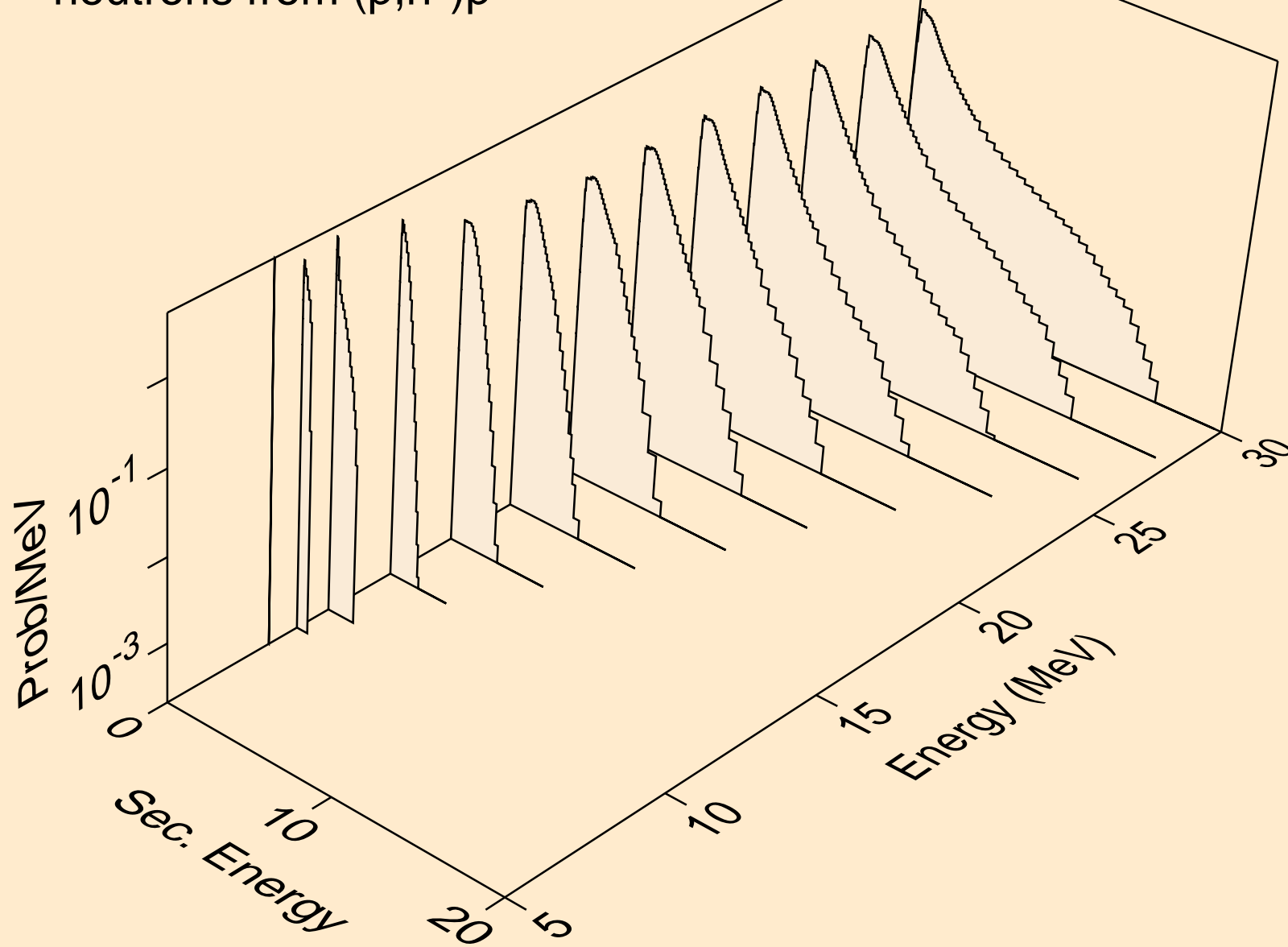


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neutrons from (p,3n)a

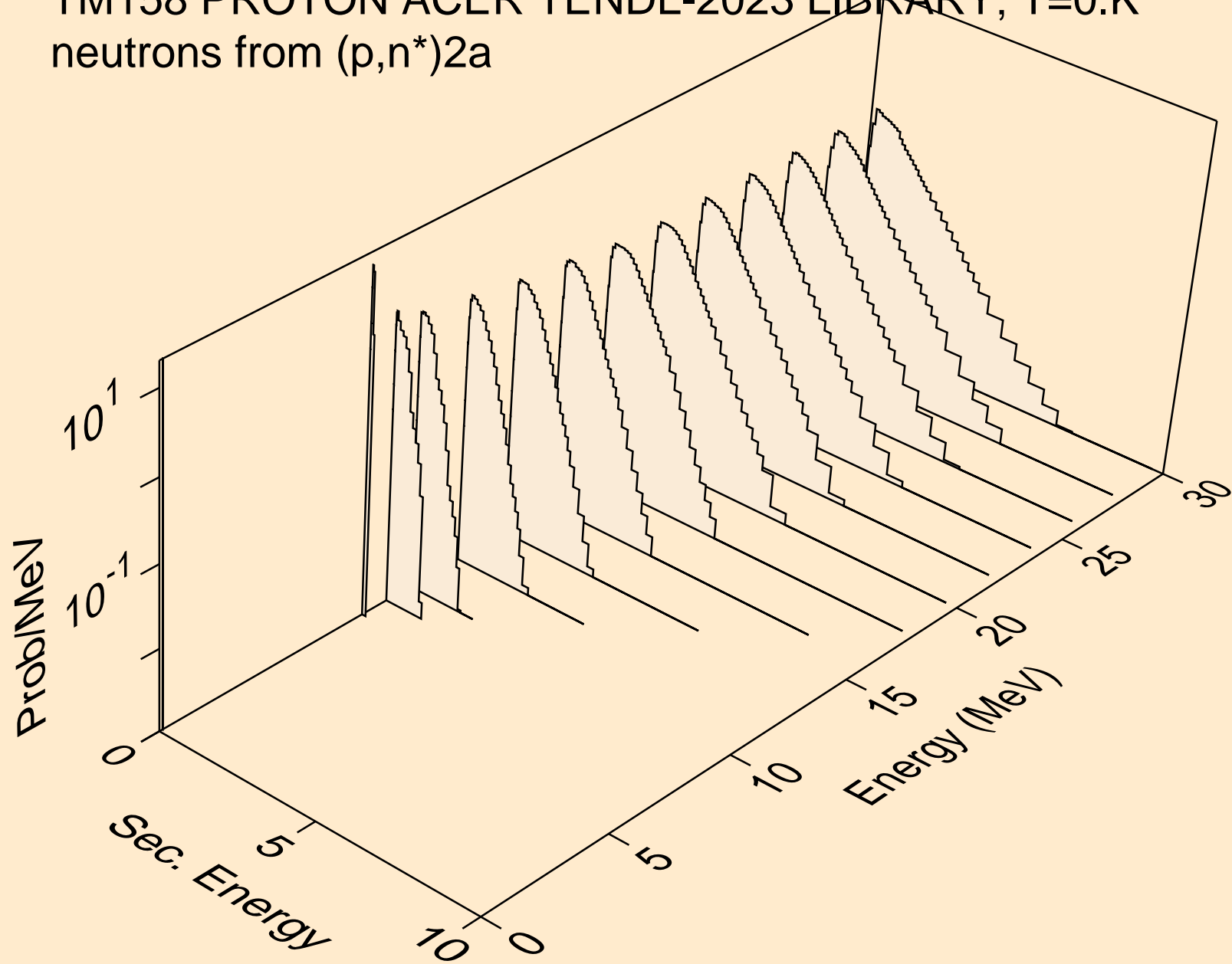




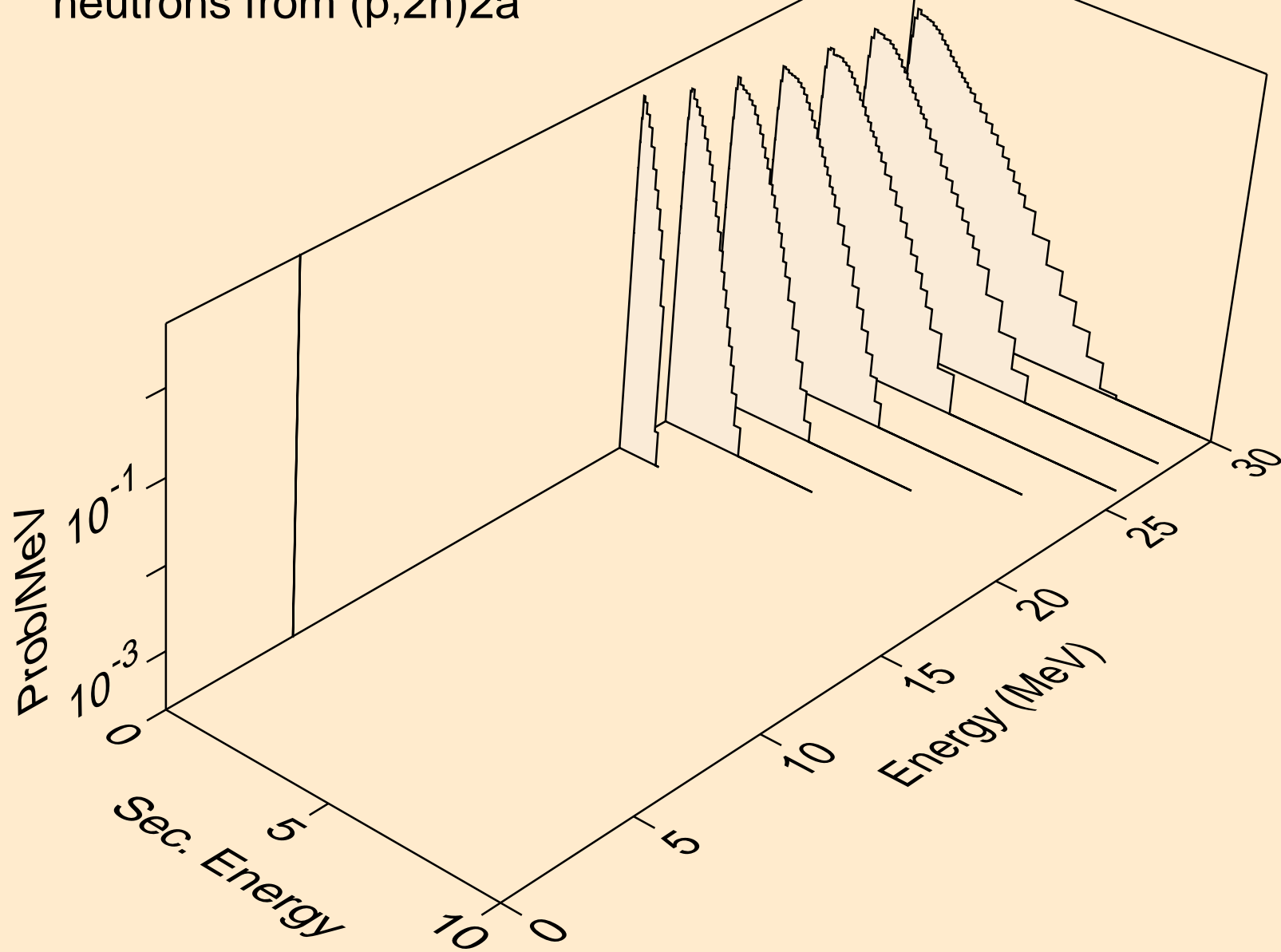
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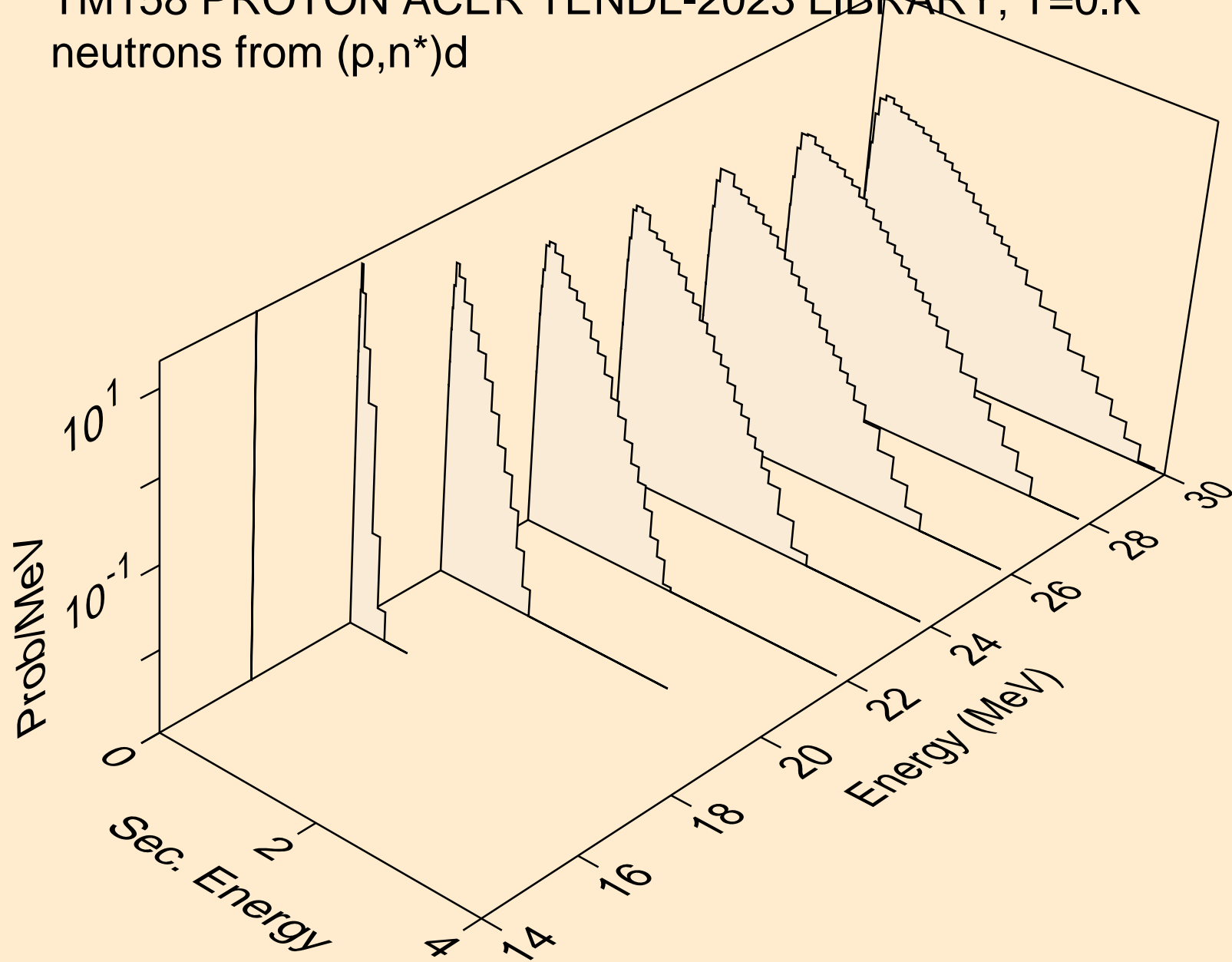
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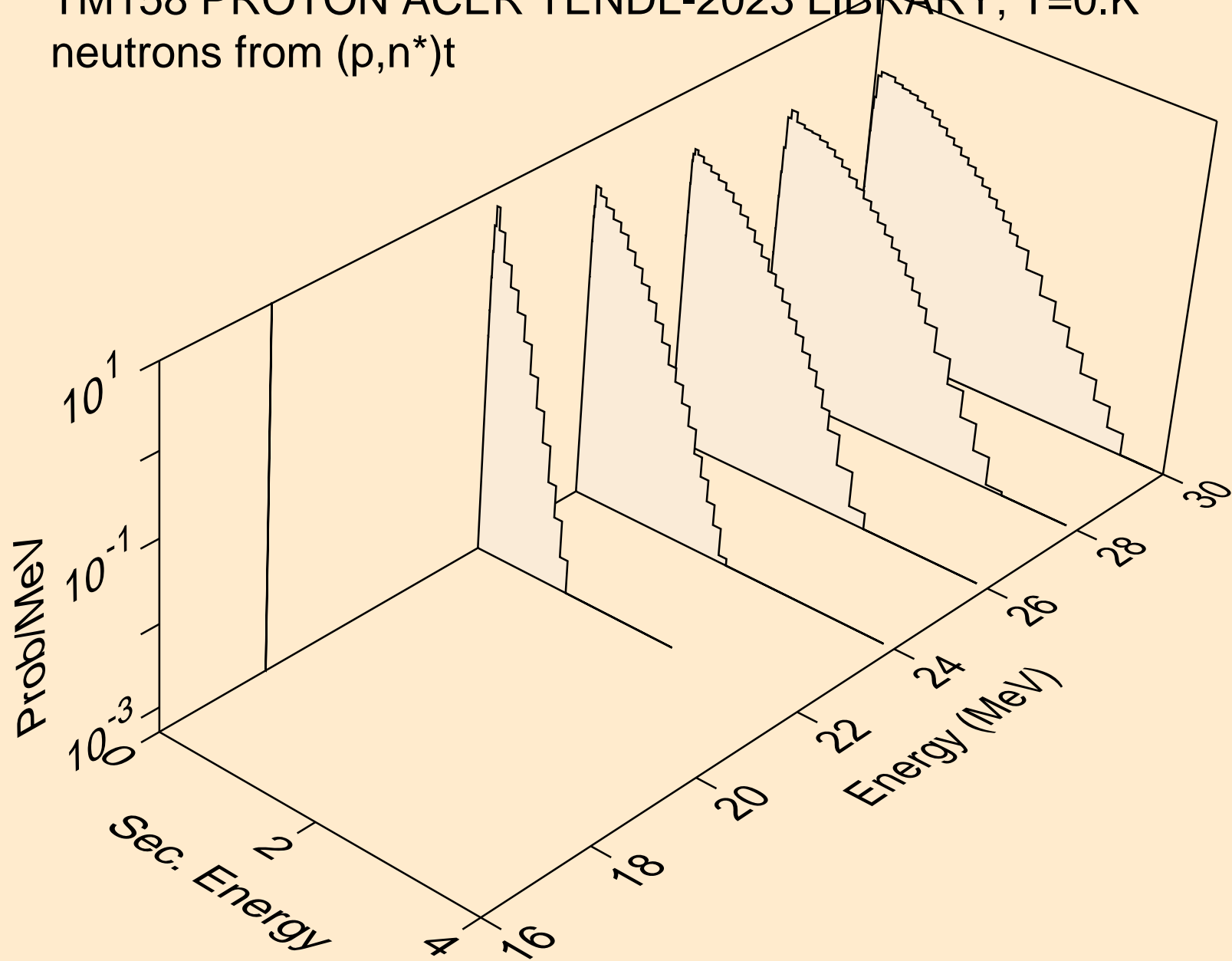
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)2a



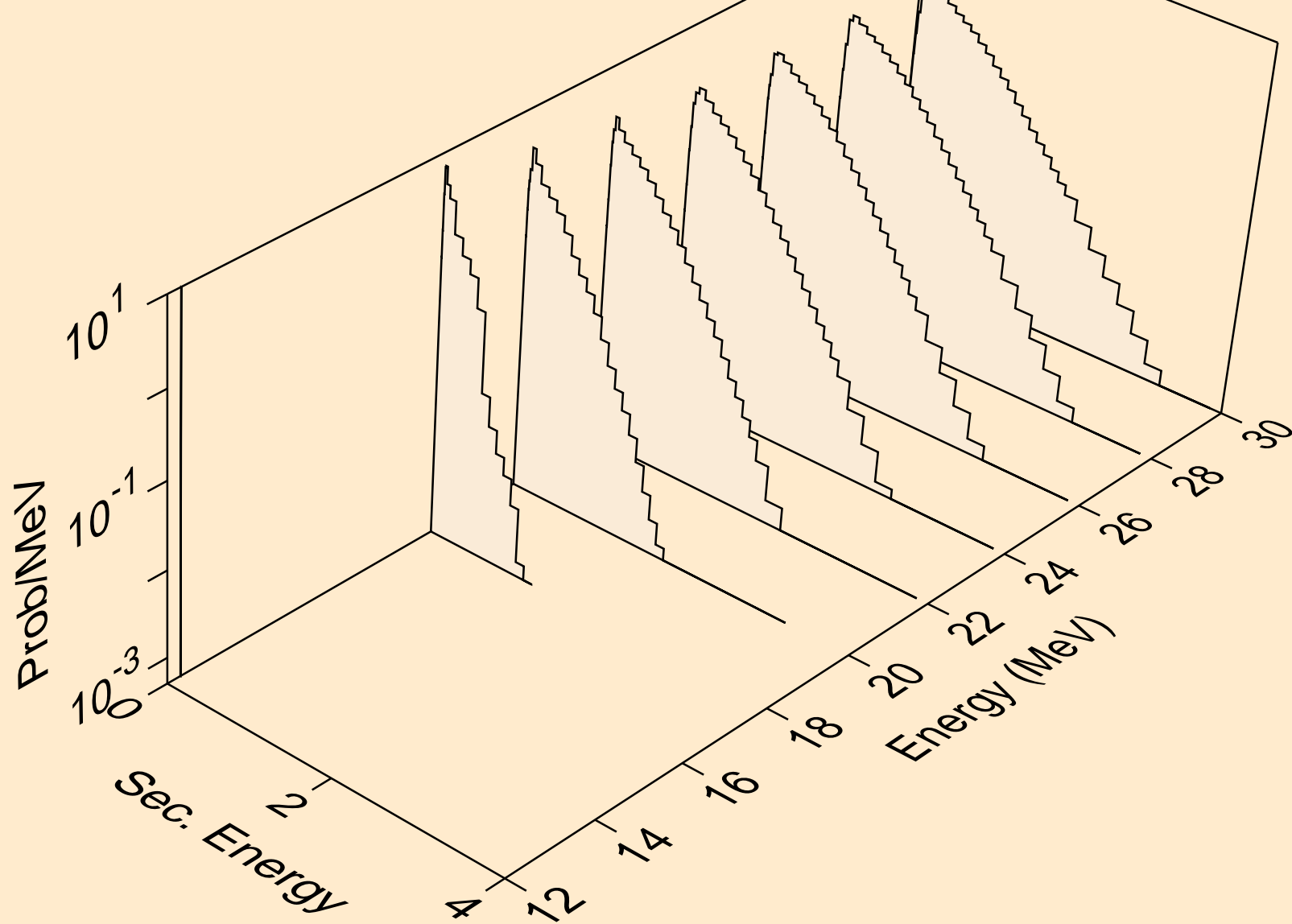
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)d



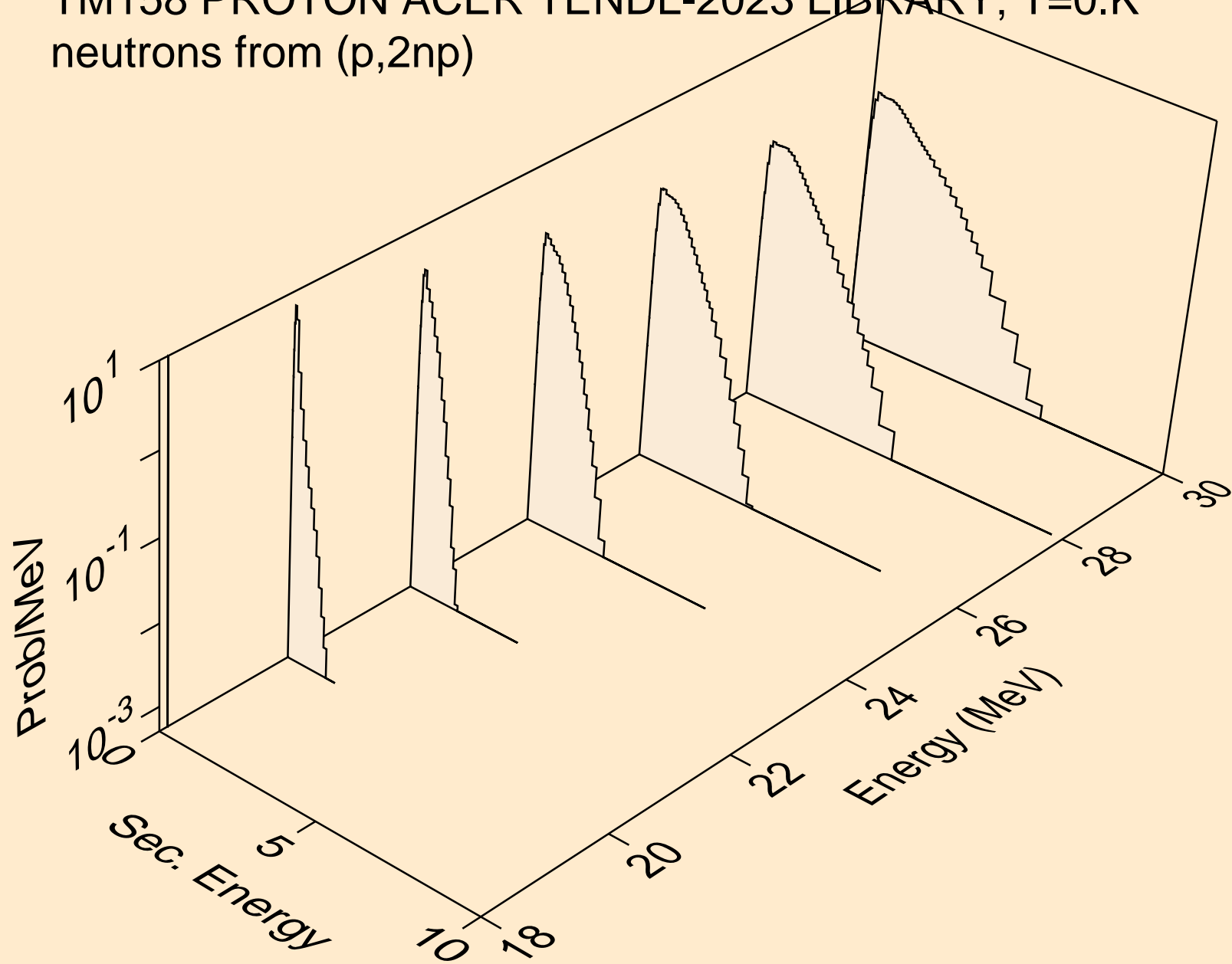
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)t



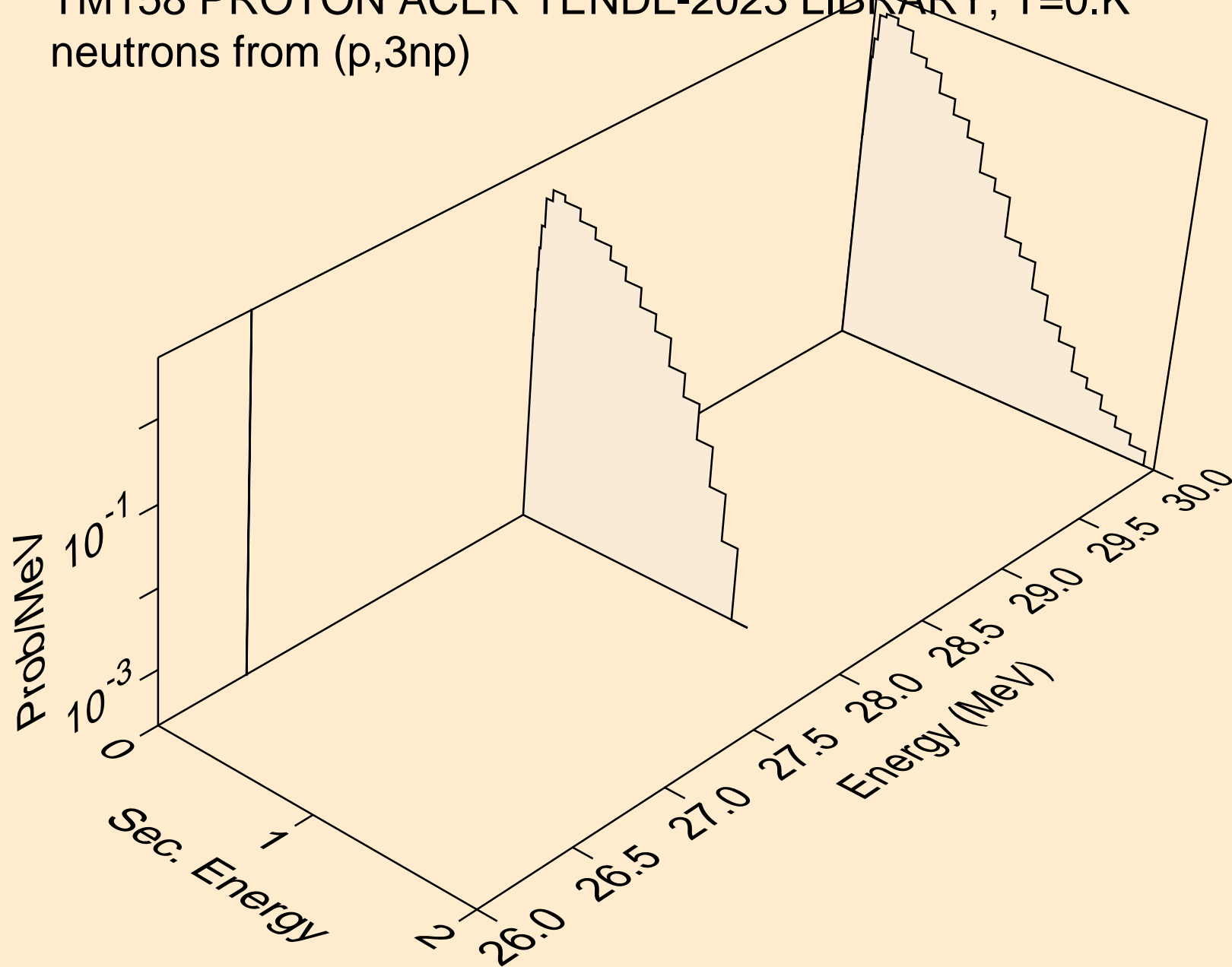
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2np)

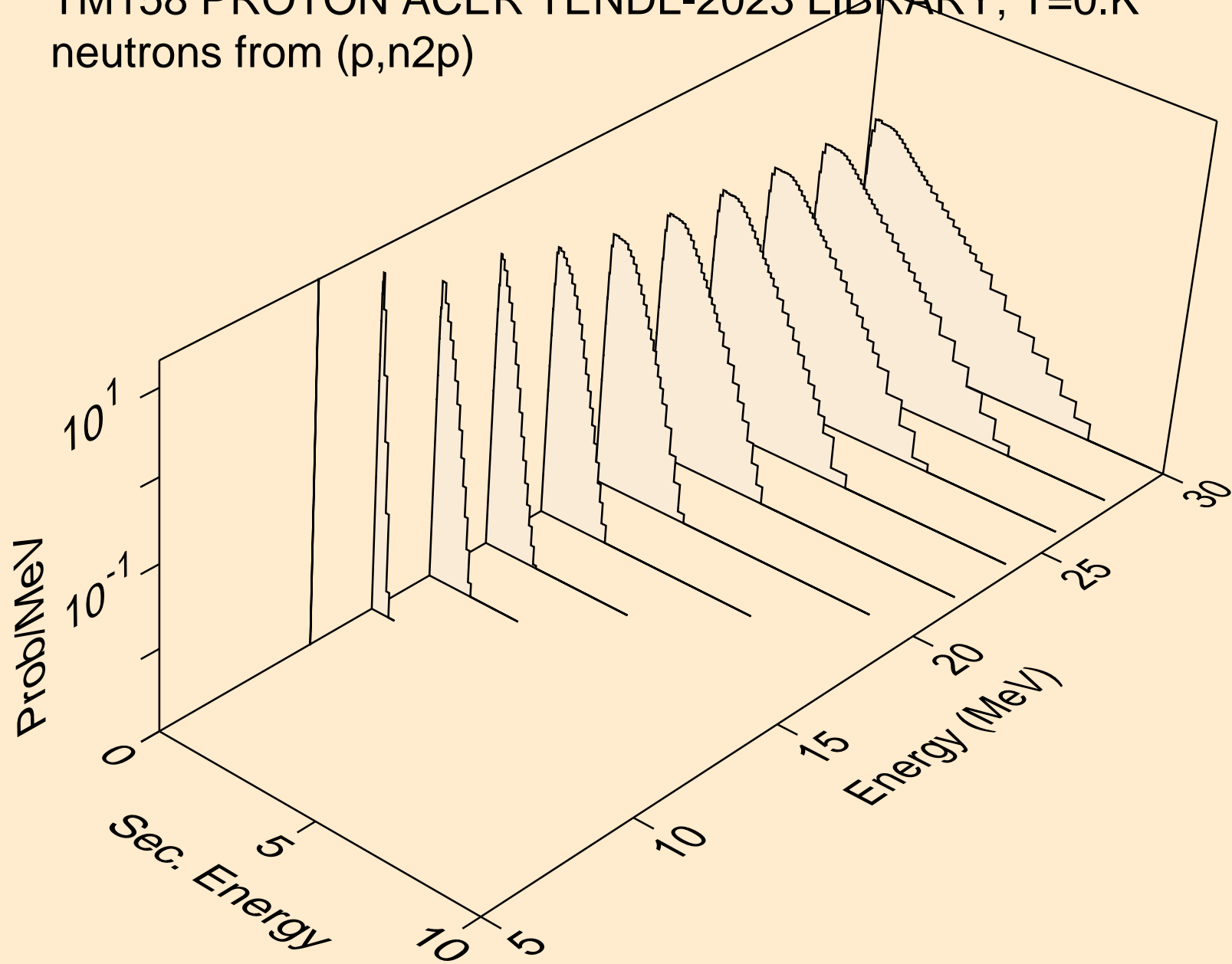


TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3np)

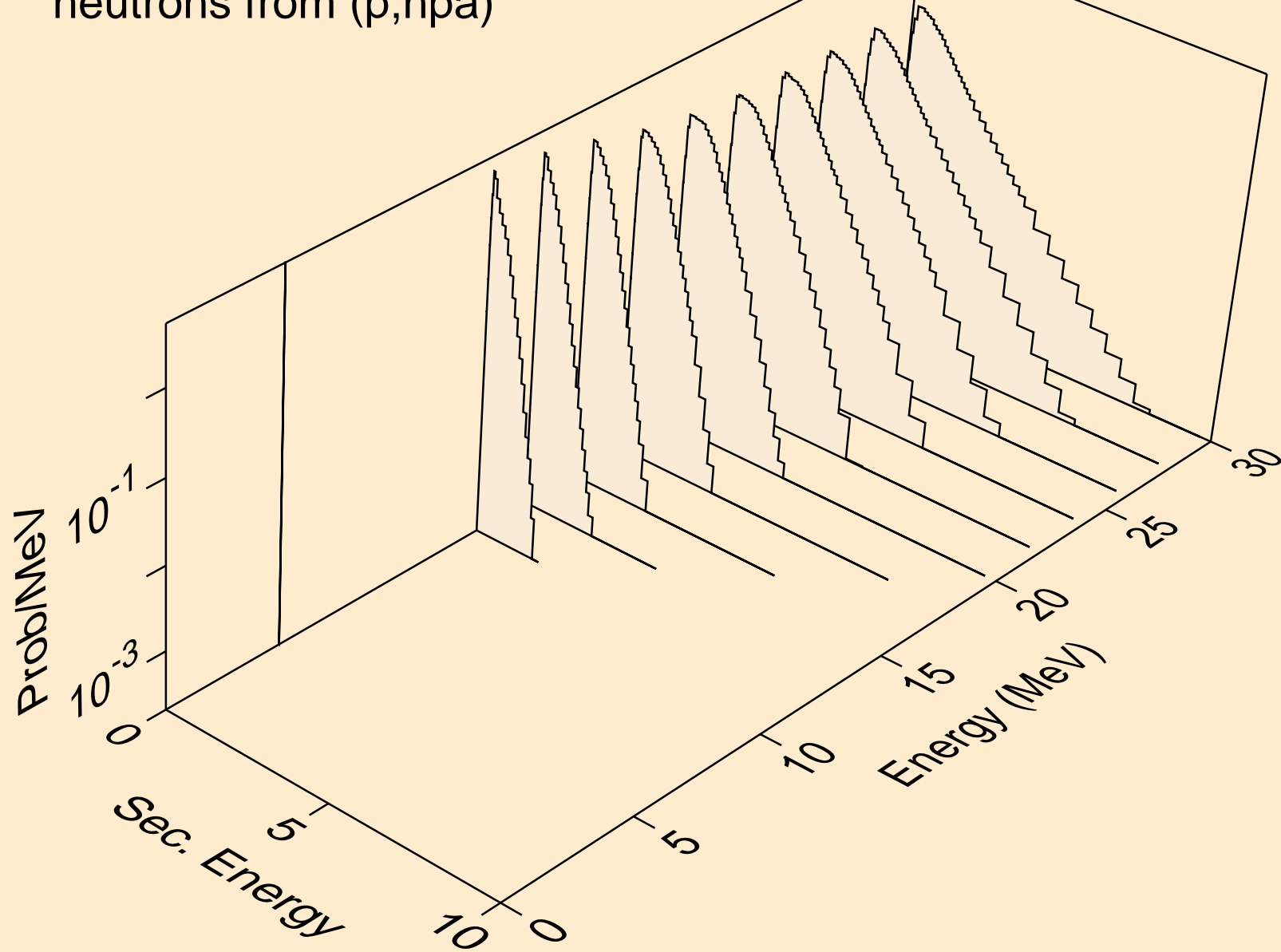




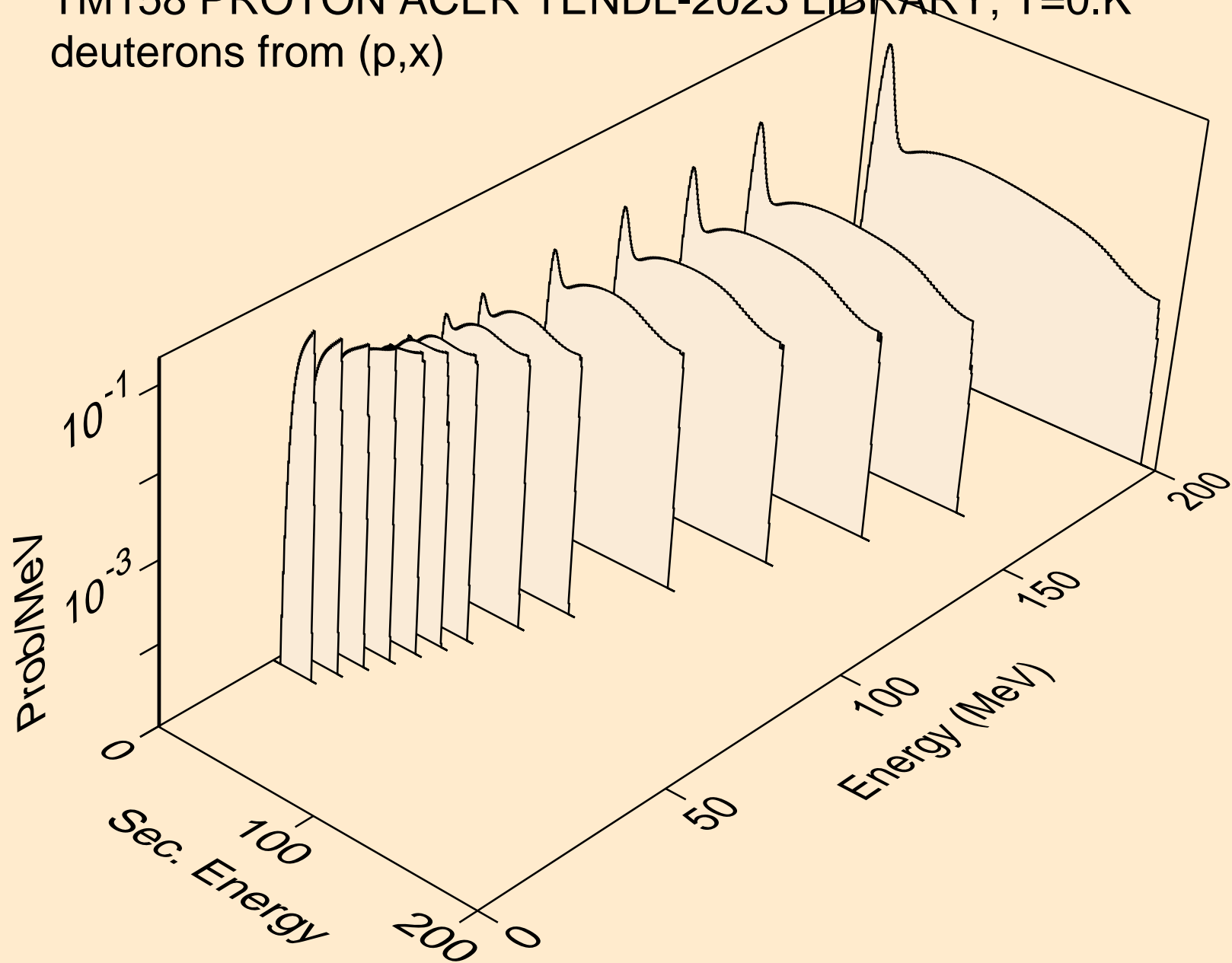
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neutrons from (p,n2p)



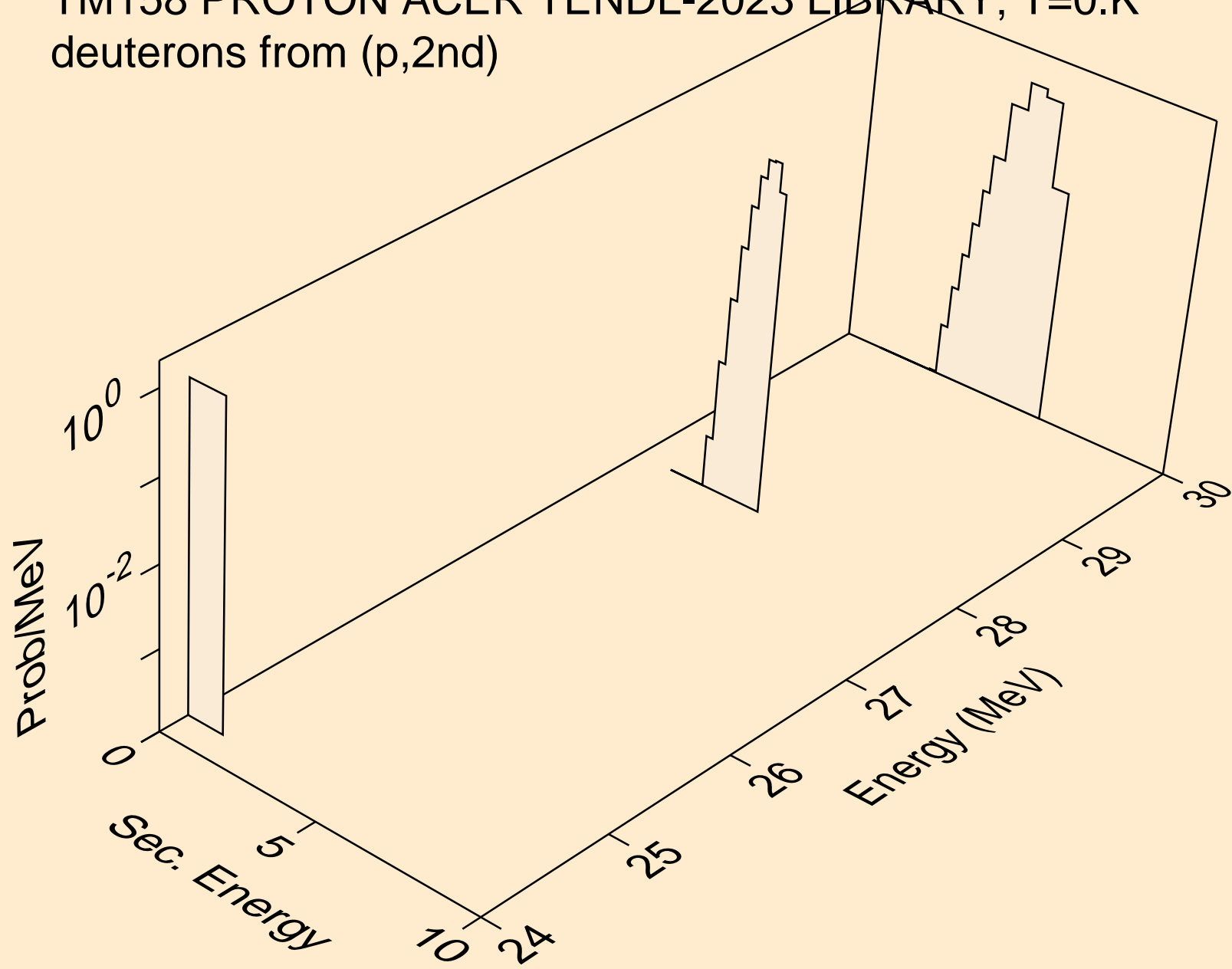
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neutrons from (p,npa)



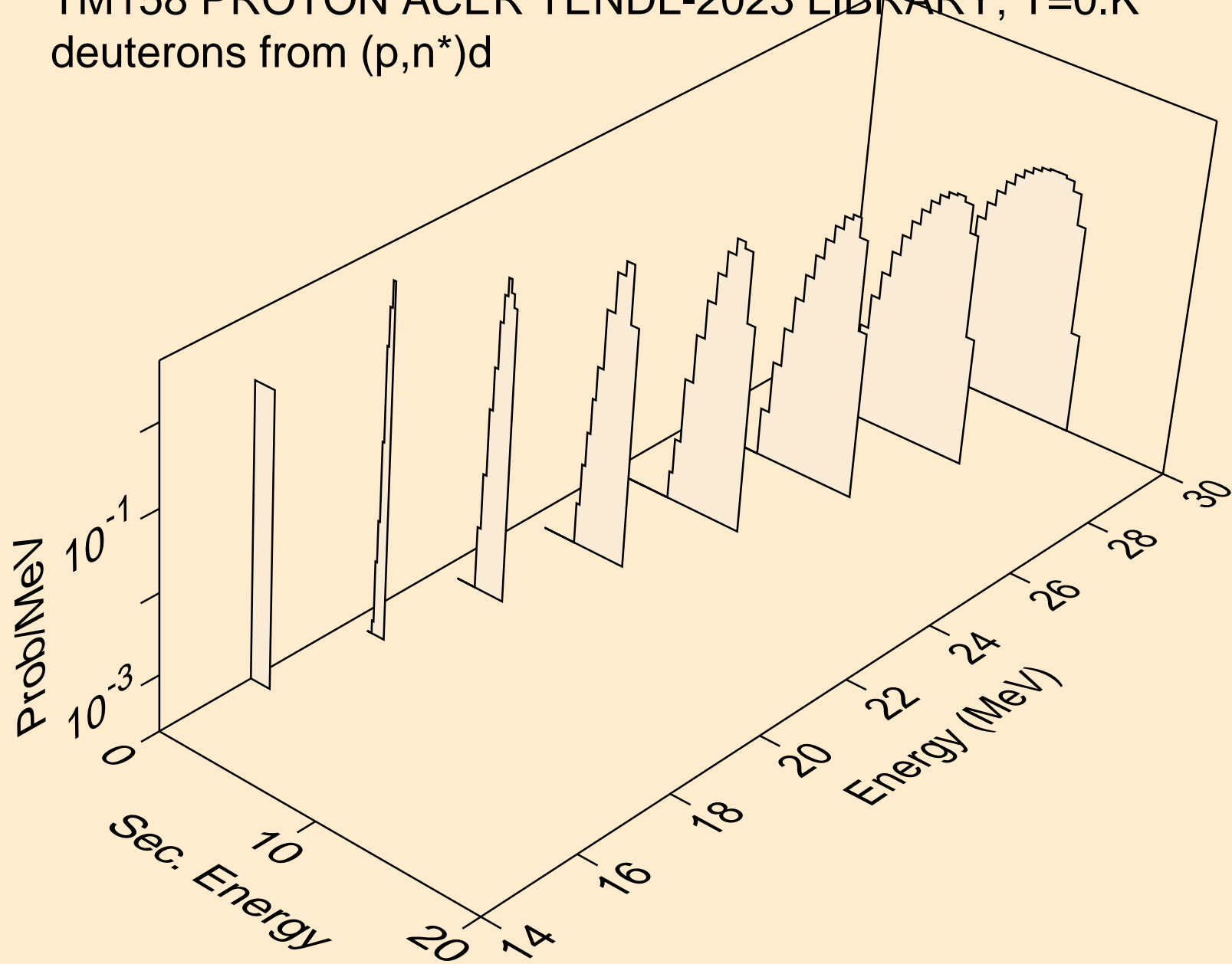
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,x)



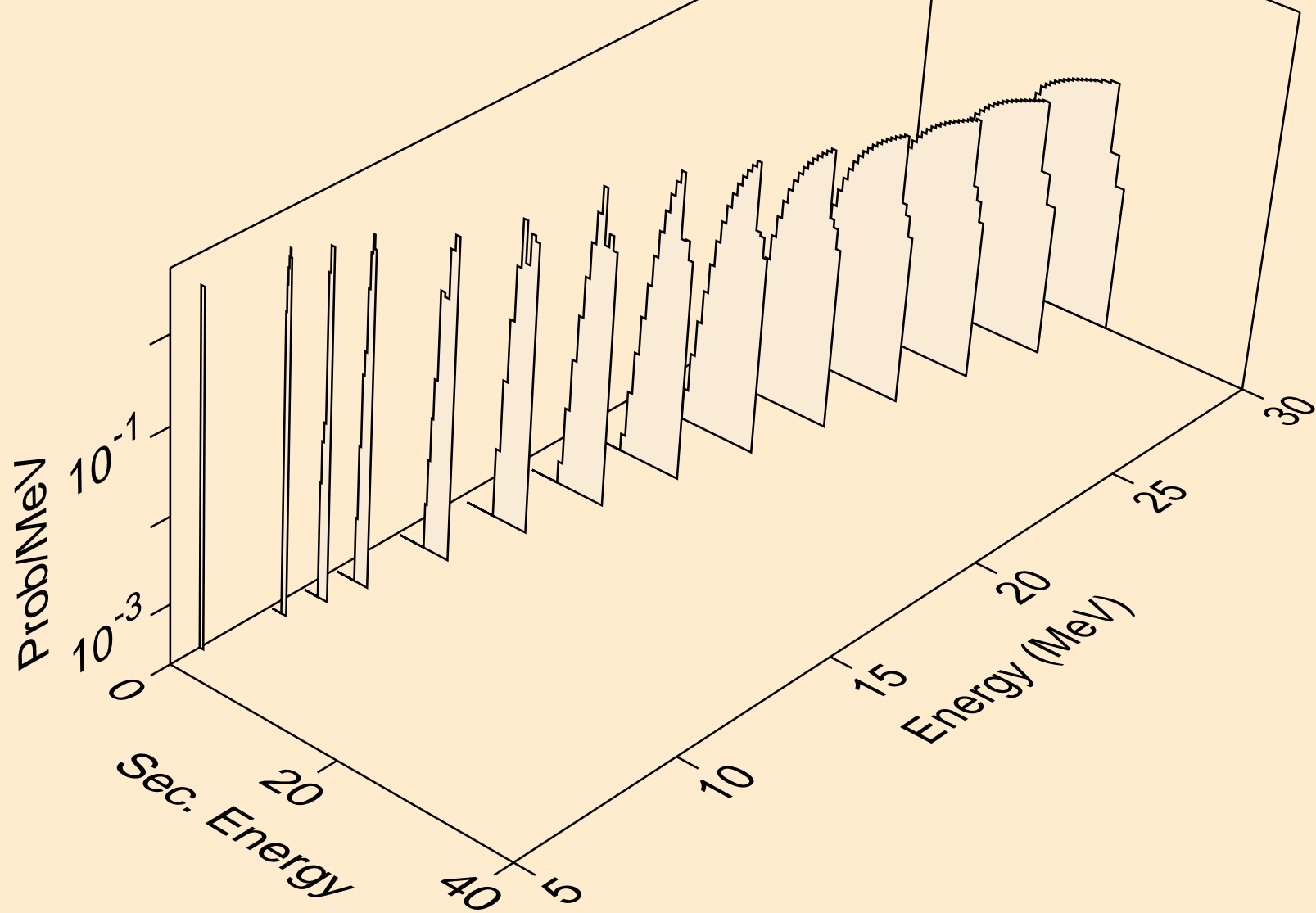
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deuterons from (p,2nd)



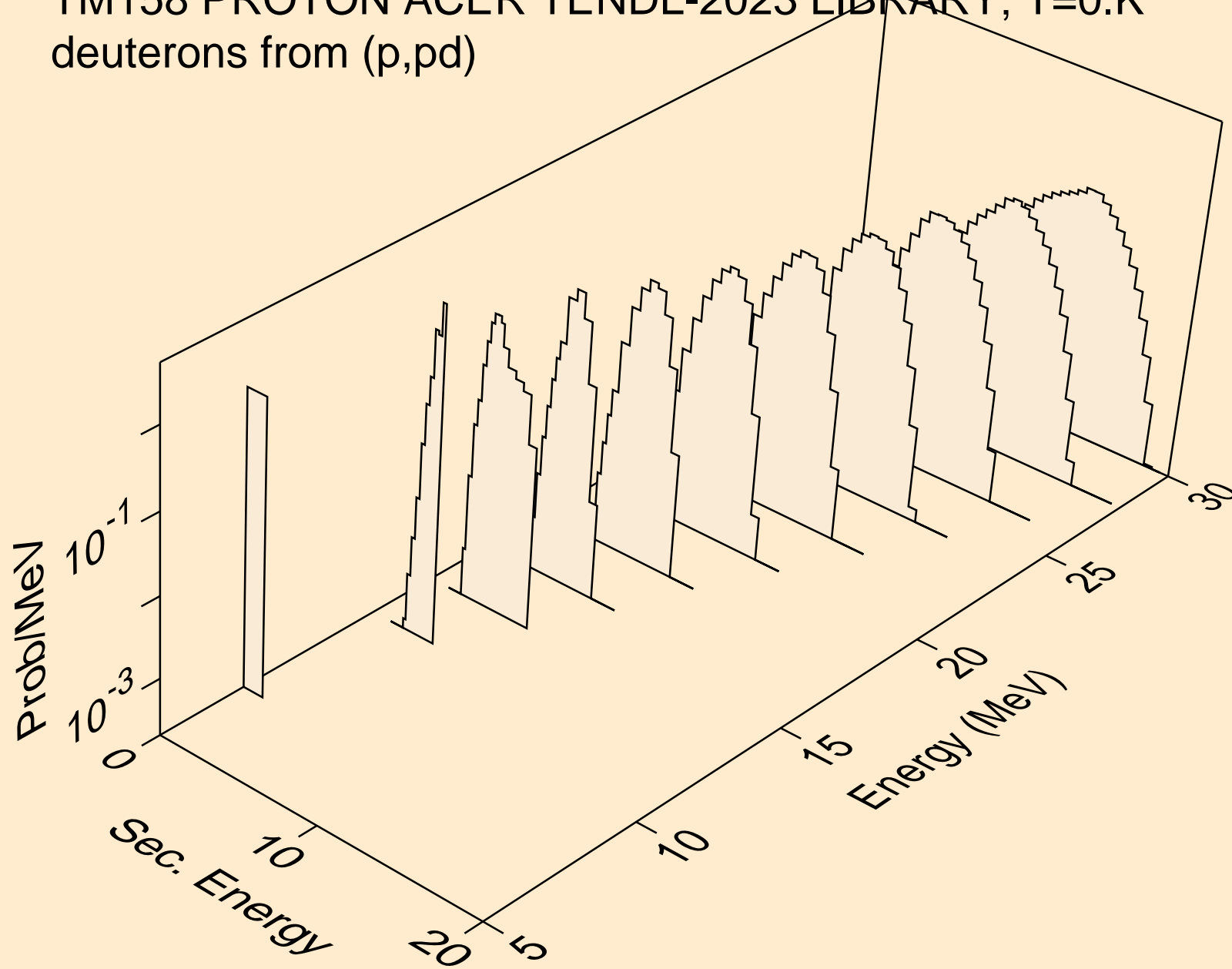
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,n\*)d



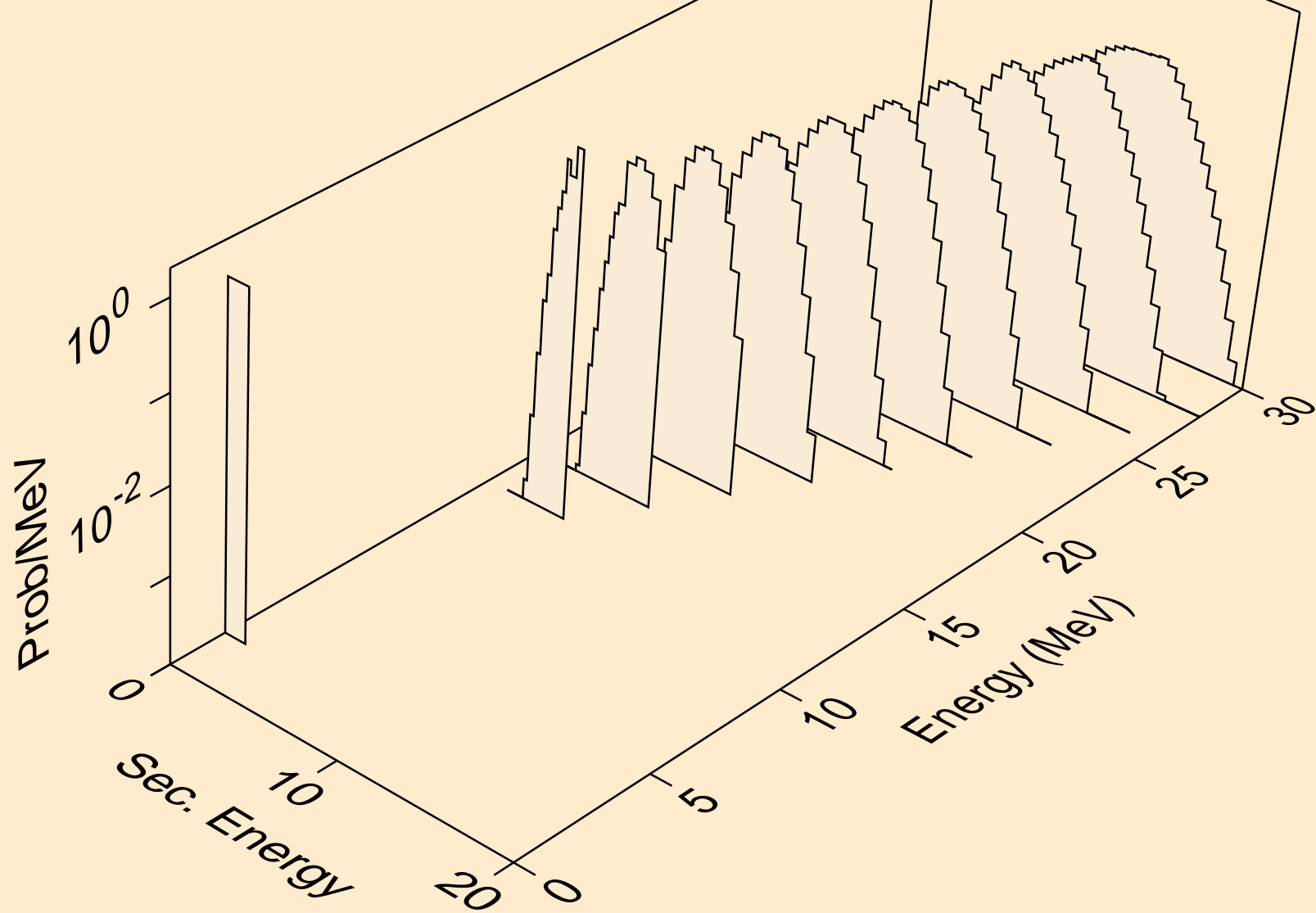
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,d)



TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,pd)

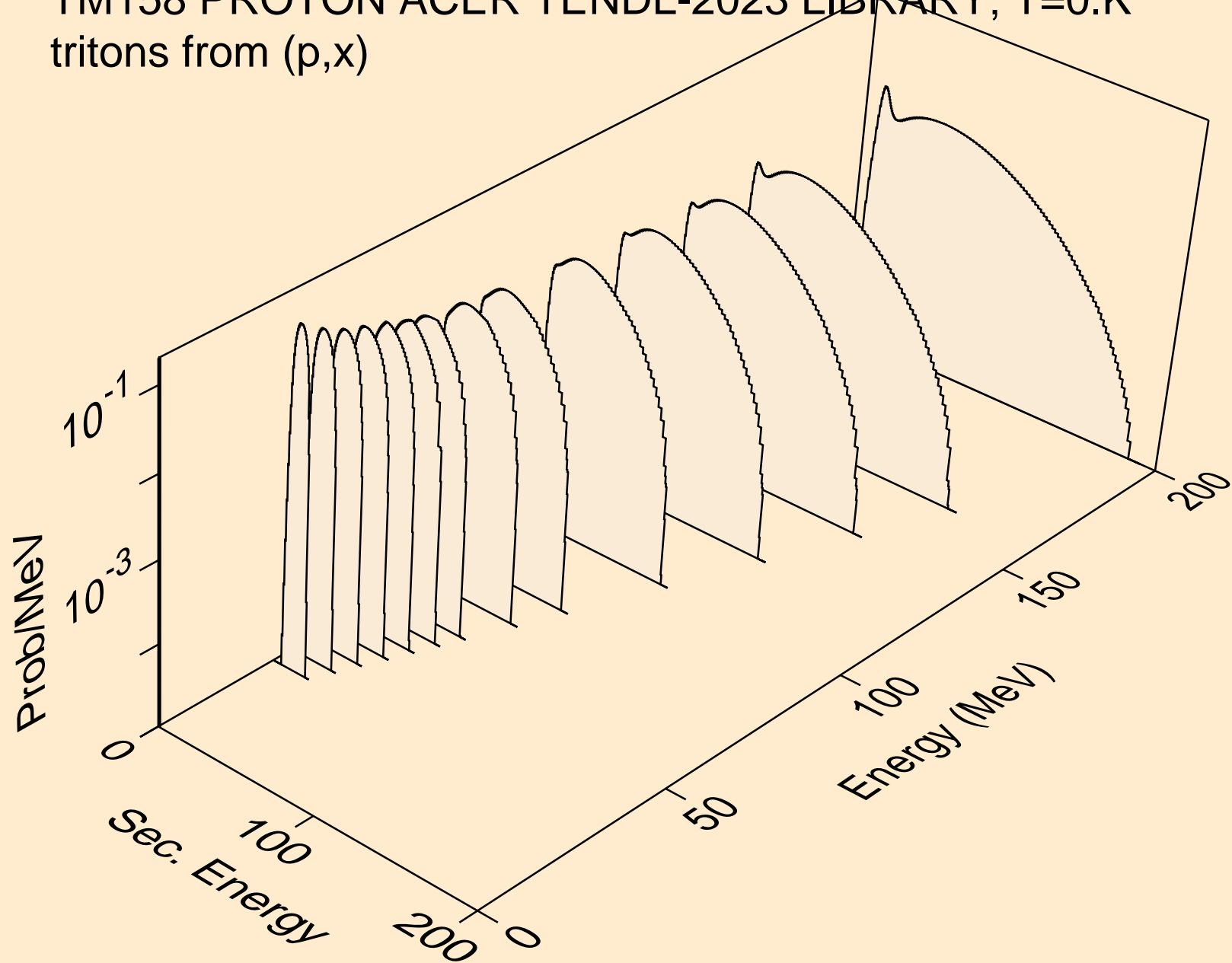


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deuterons from (p,da)

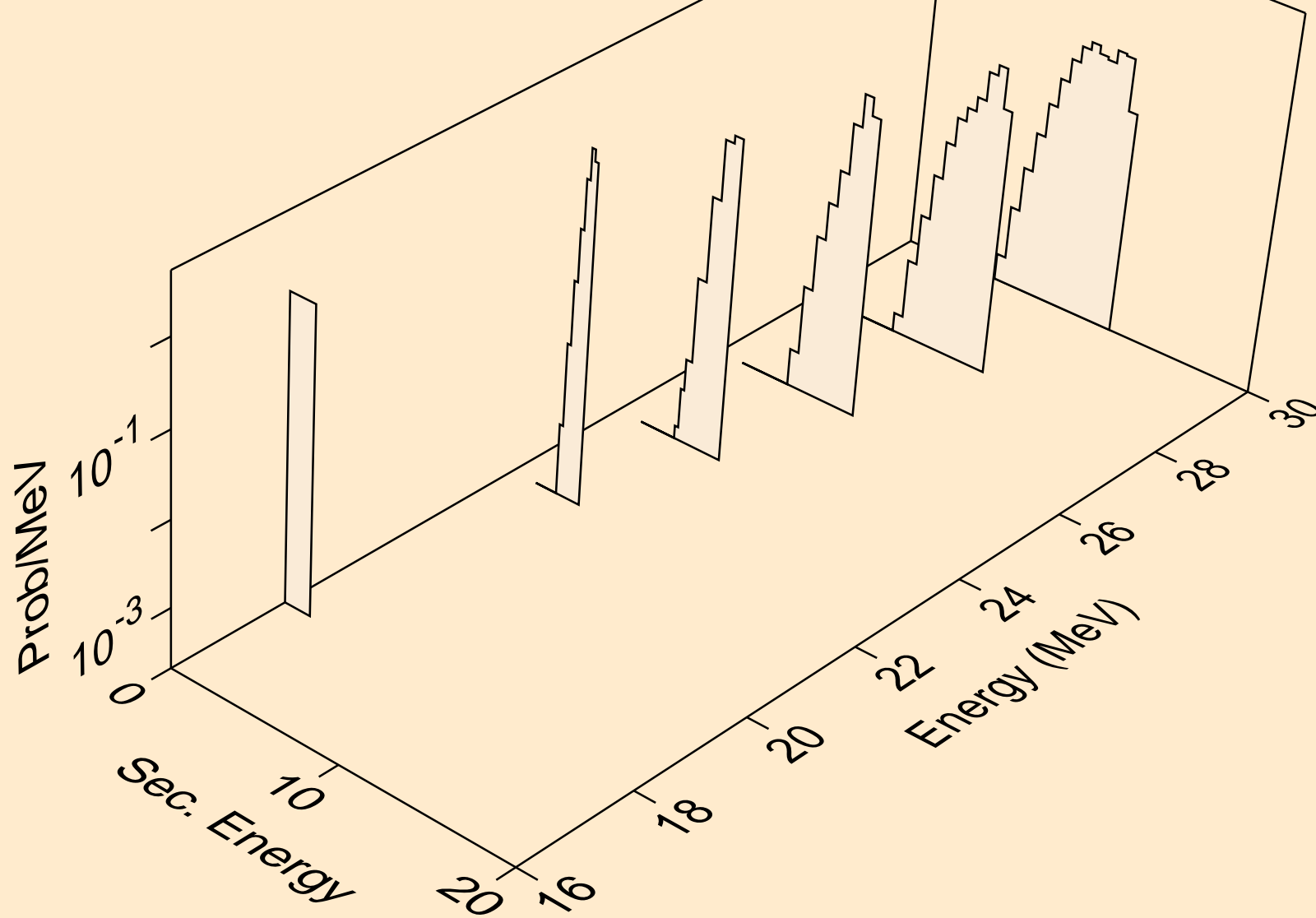




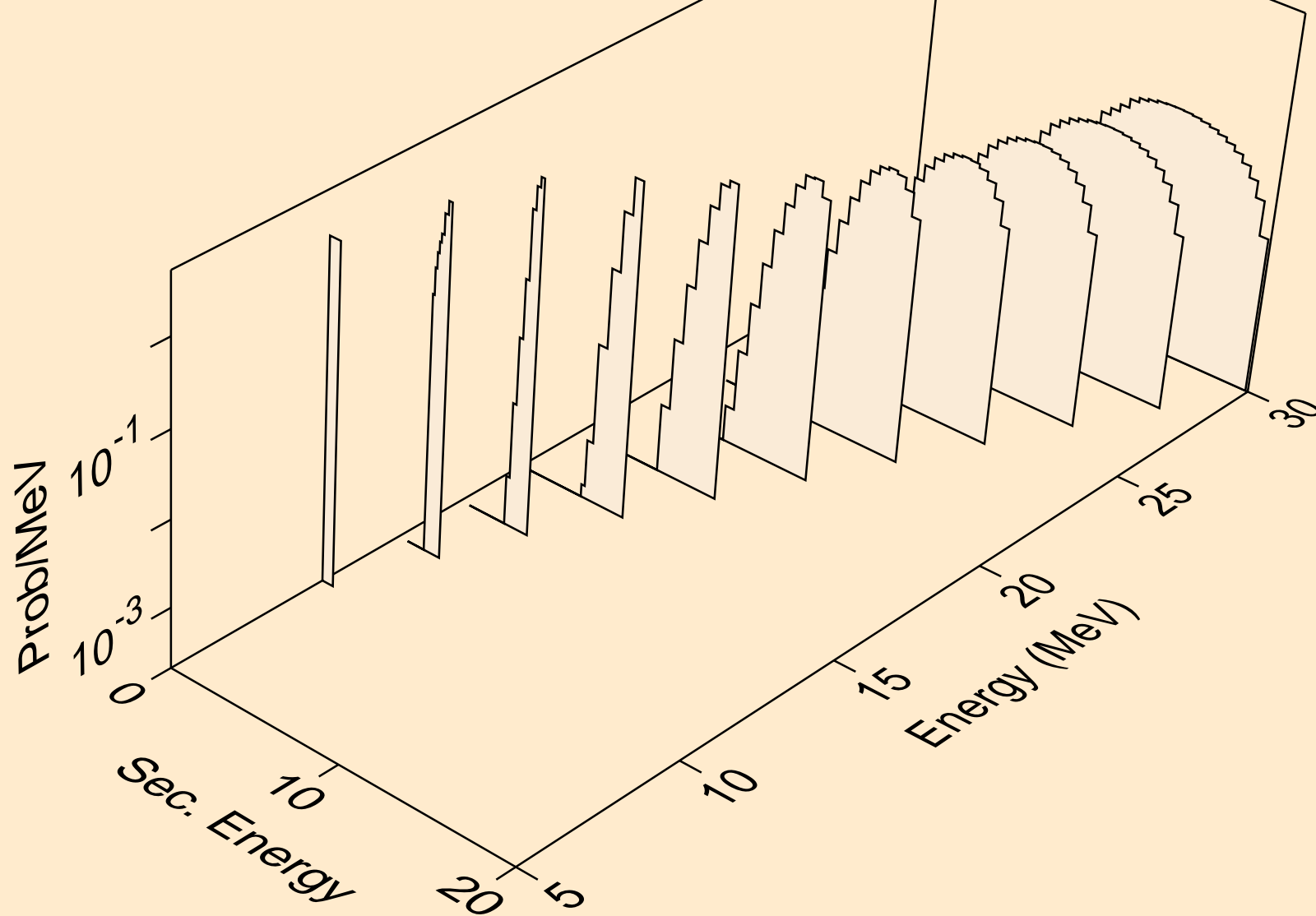
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)



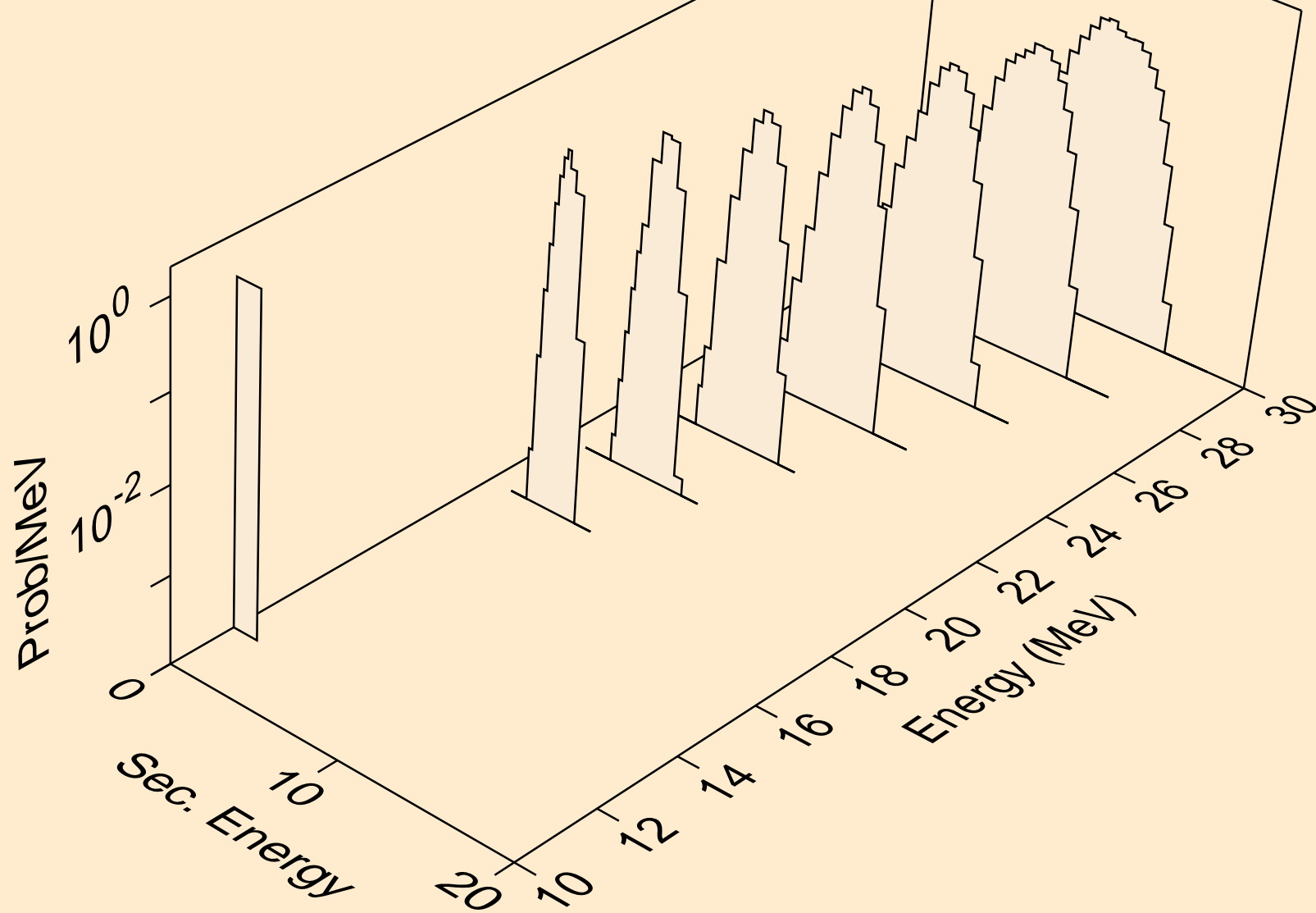
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,n\*)t



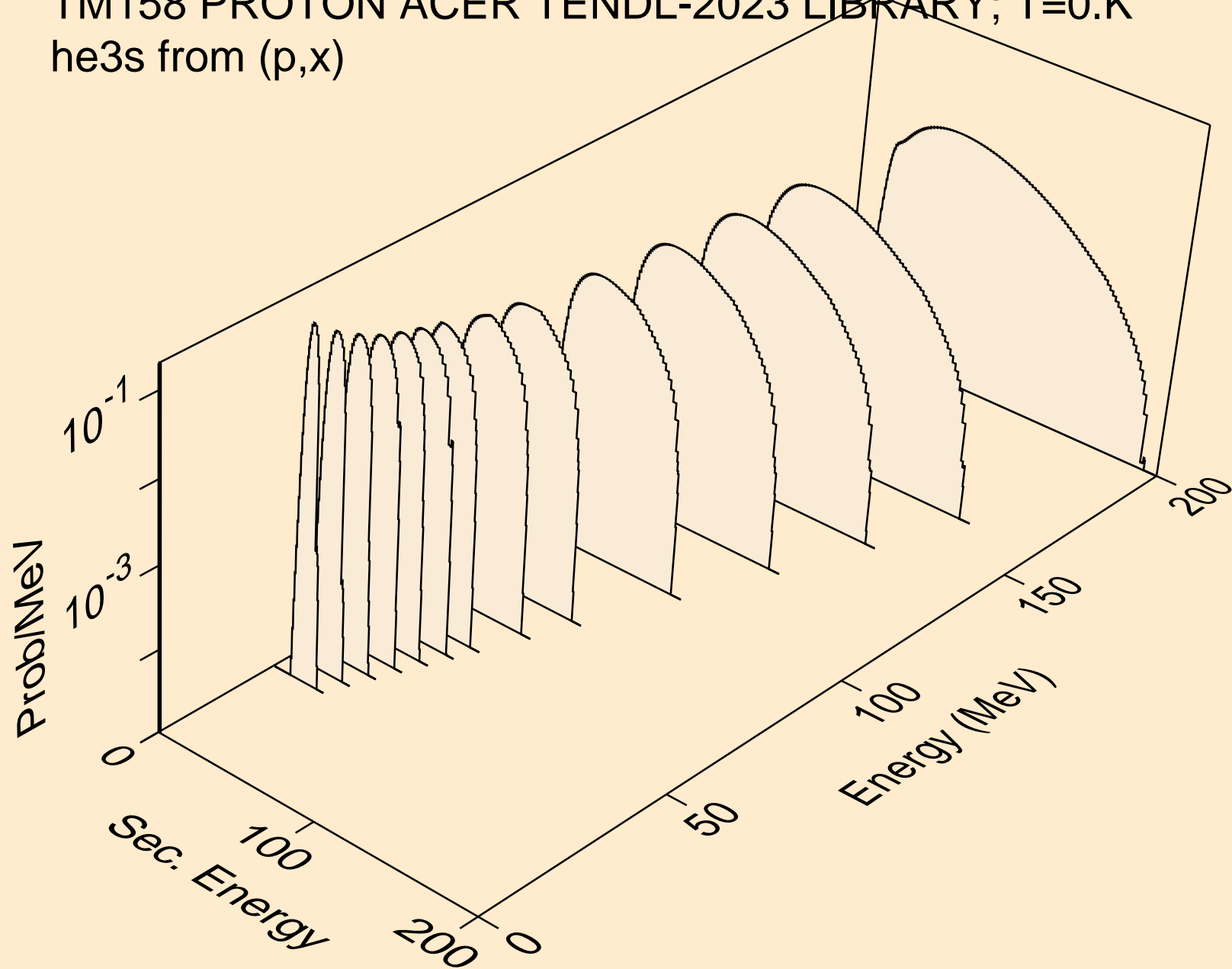
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tritons from (p,t)



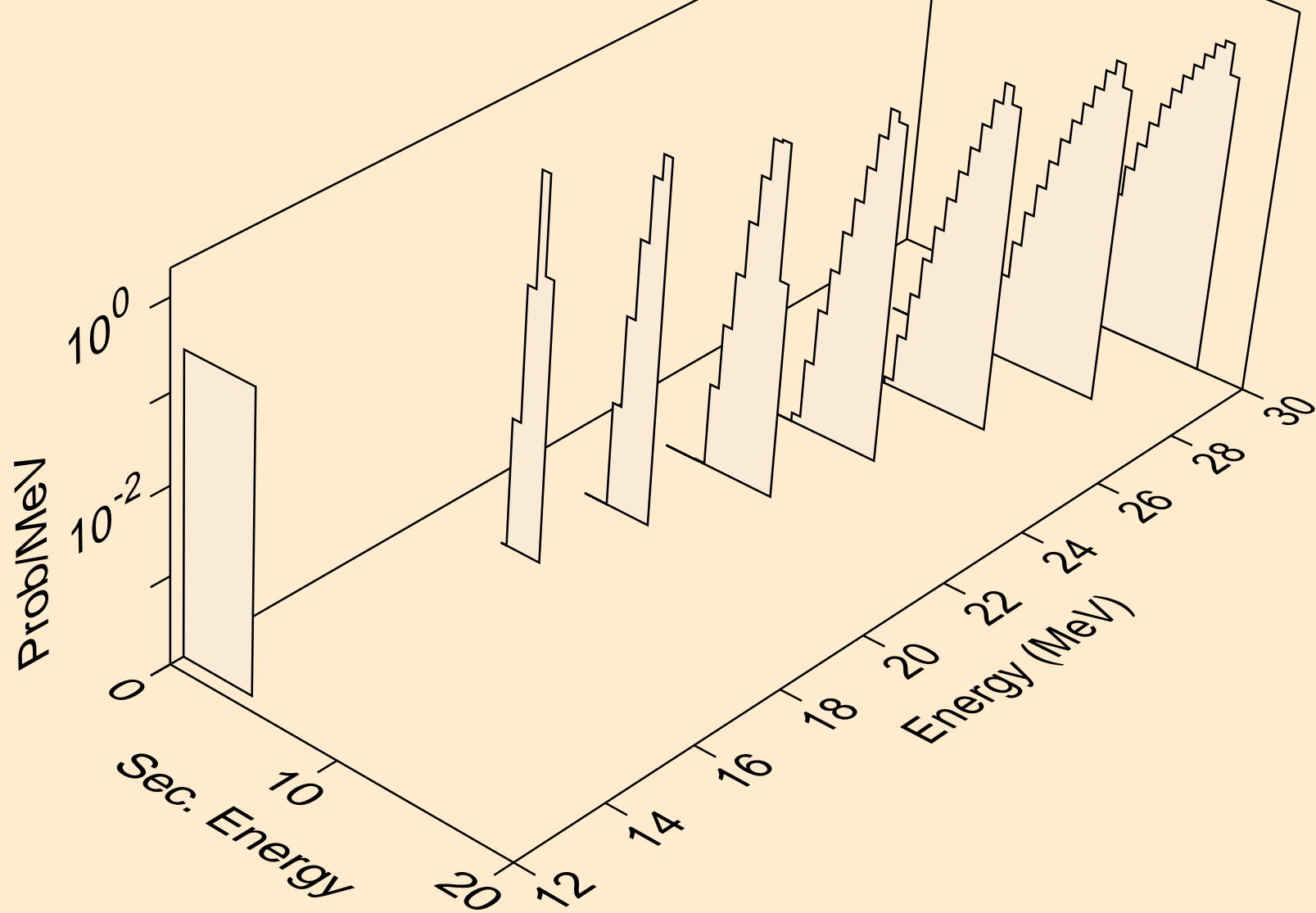
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tritons from (p,pt)



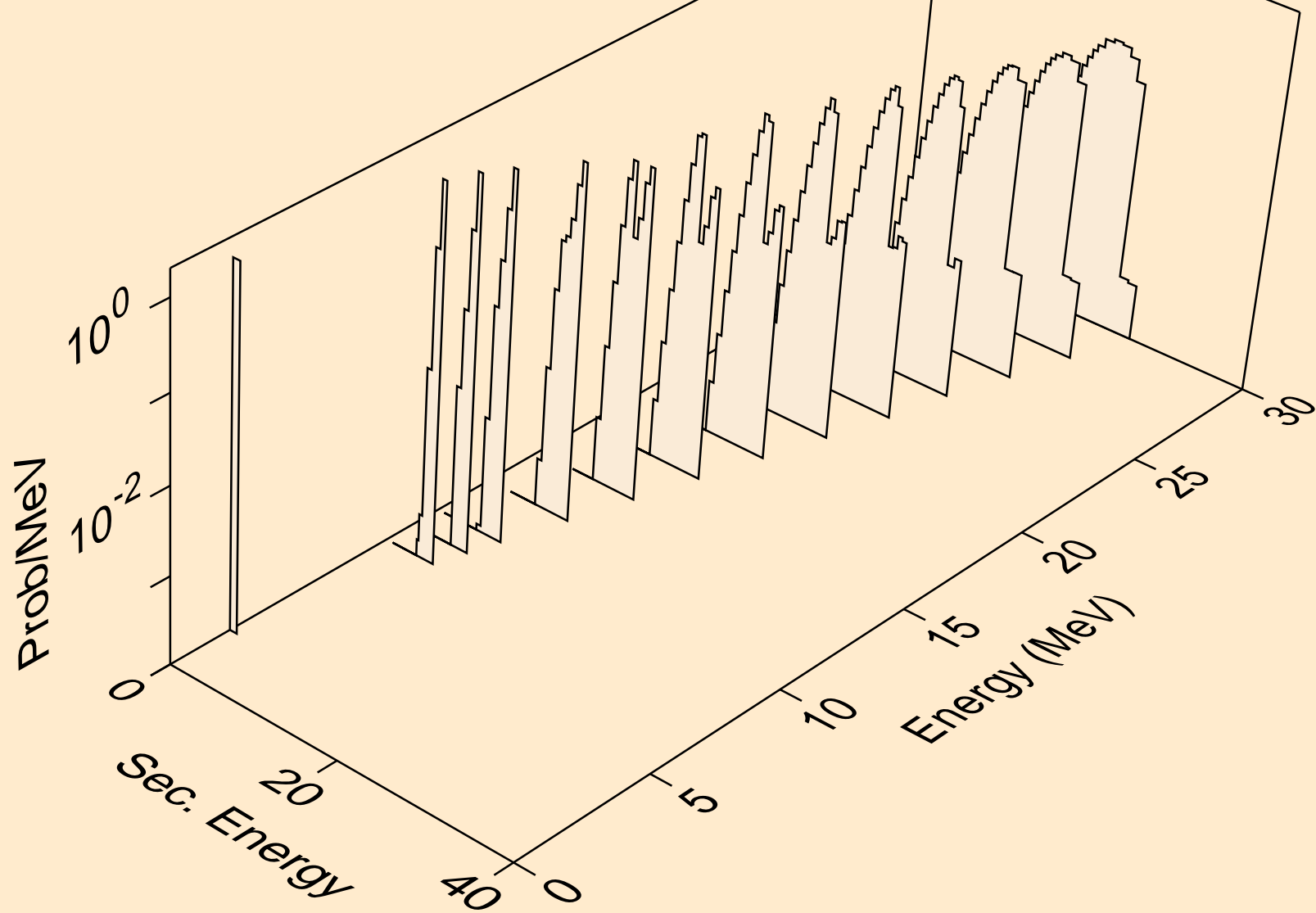
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)



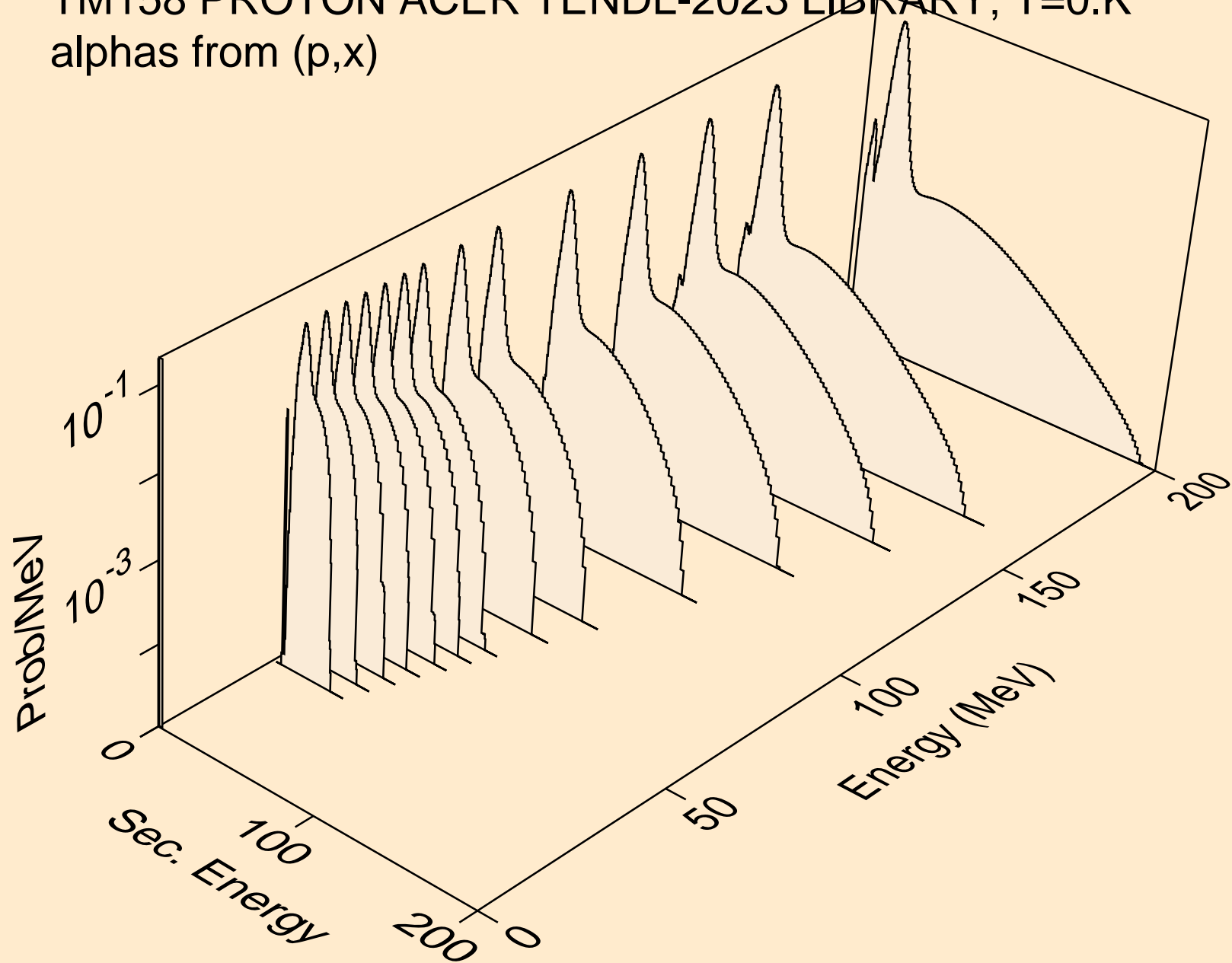
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3



TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,he3)

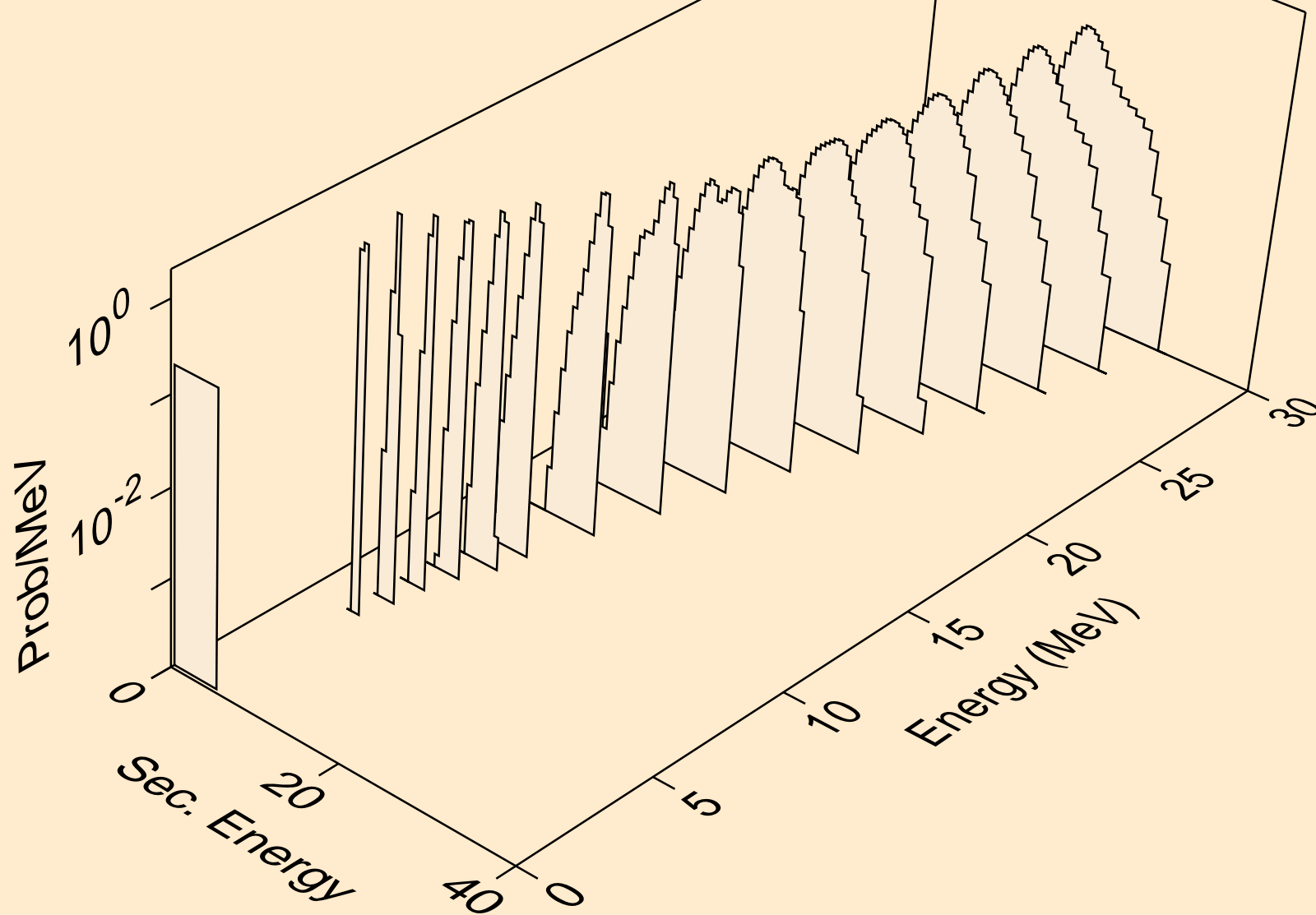


TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)

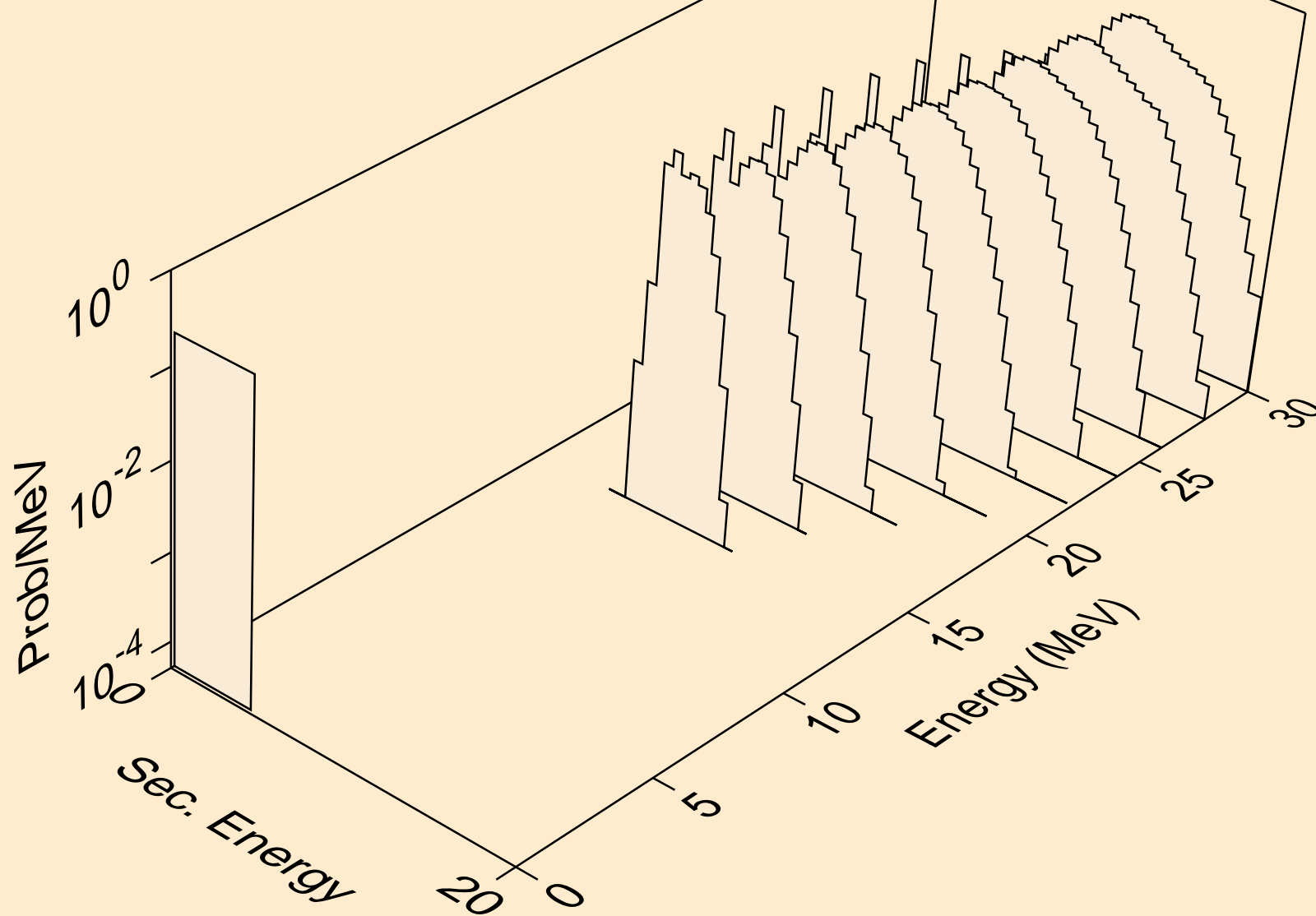




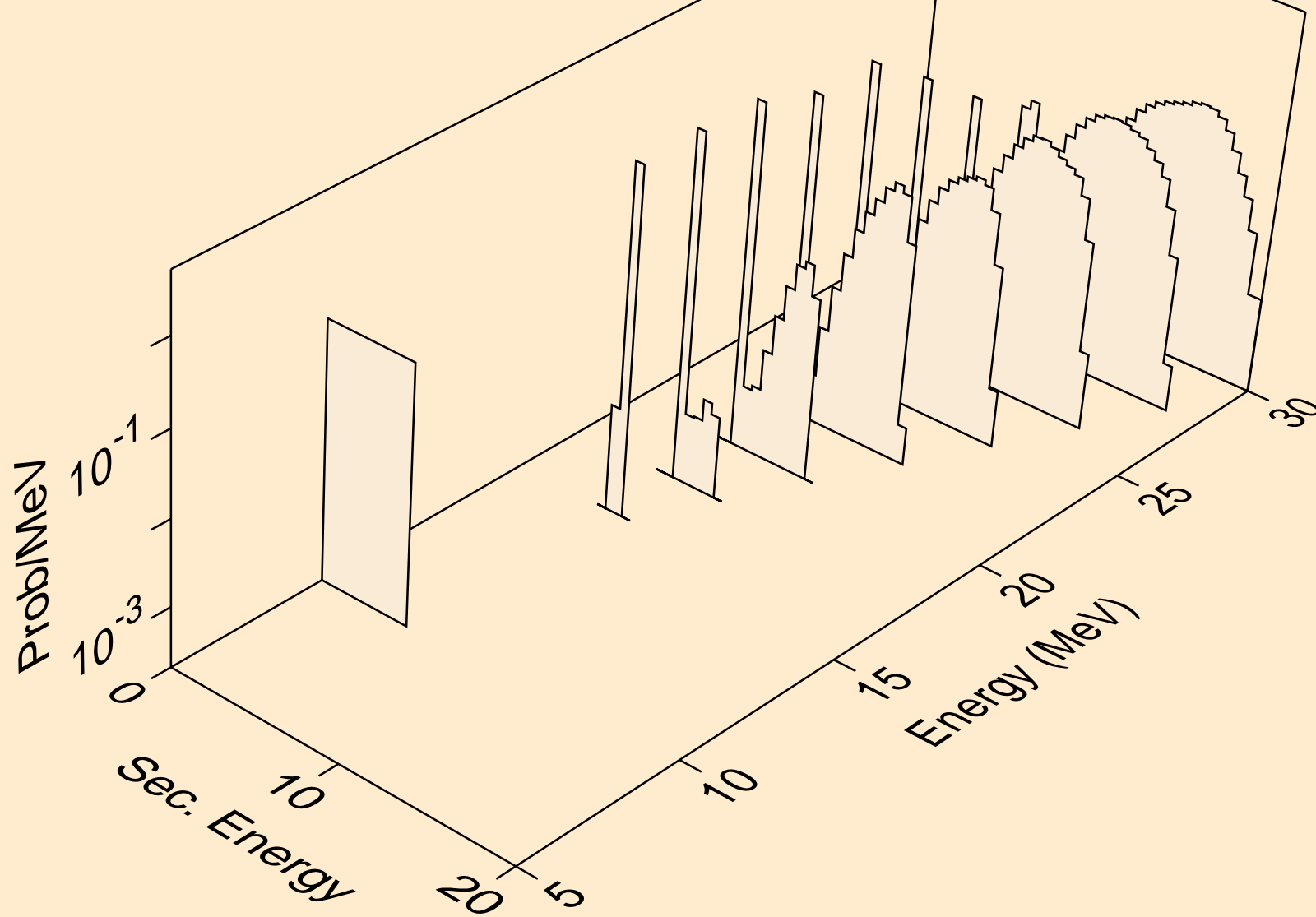
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a



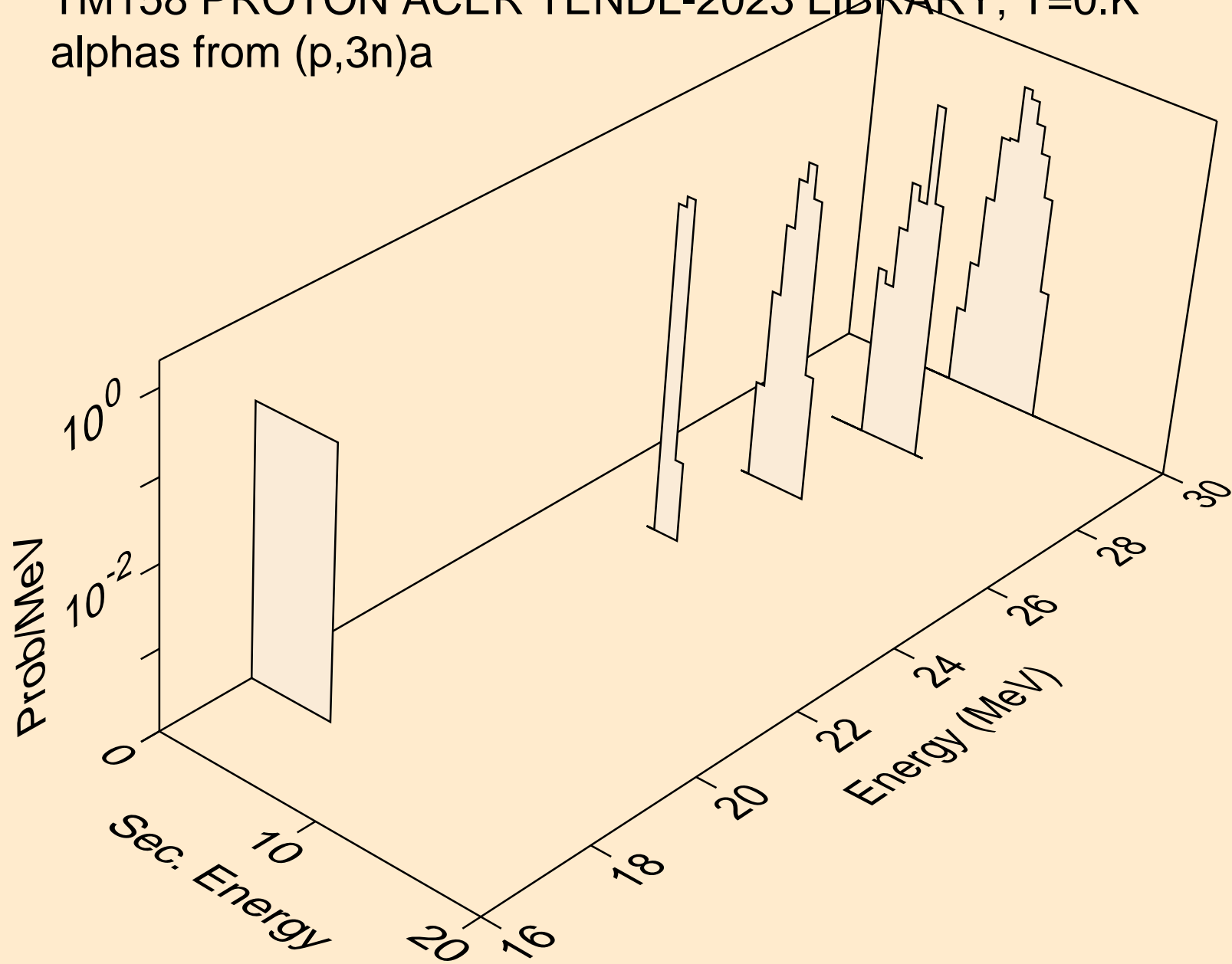
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)3a



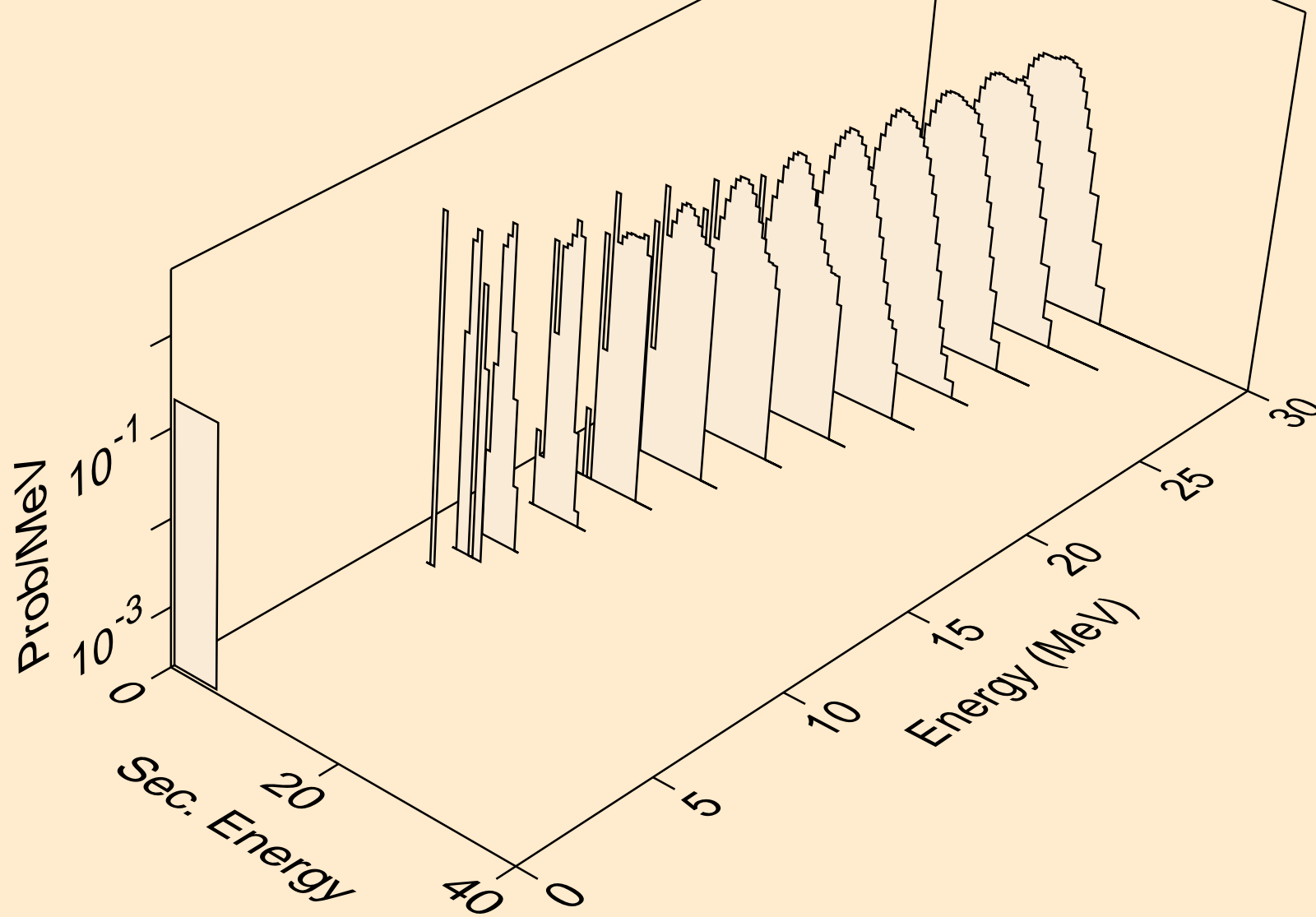
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)a



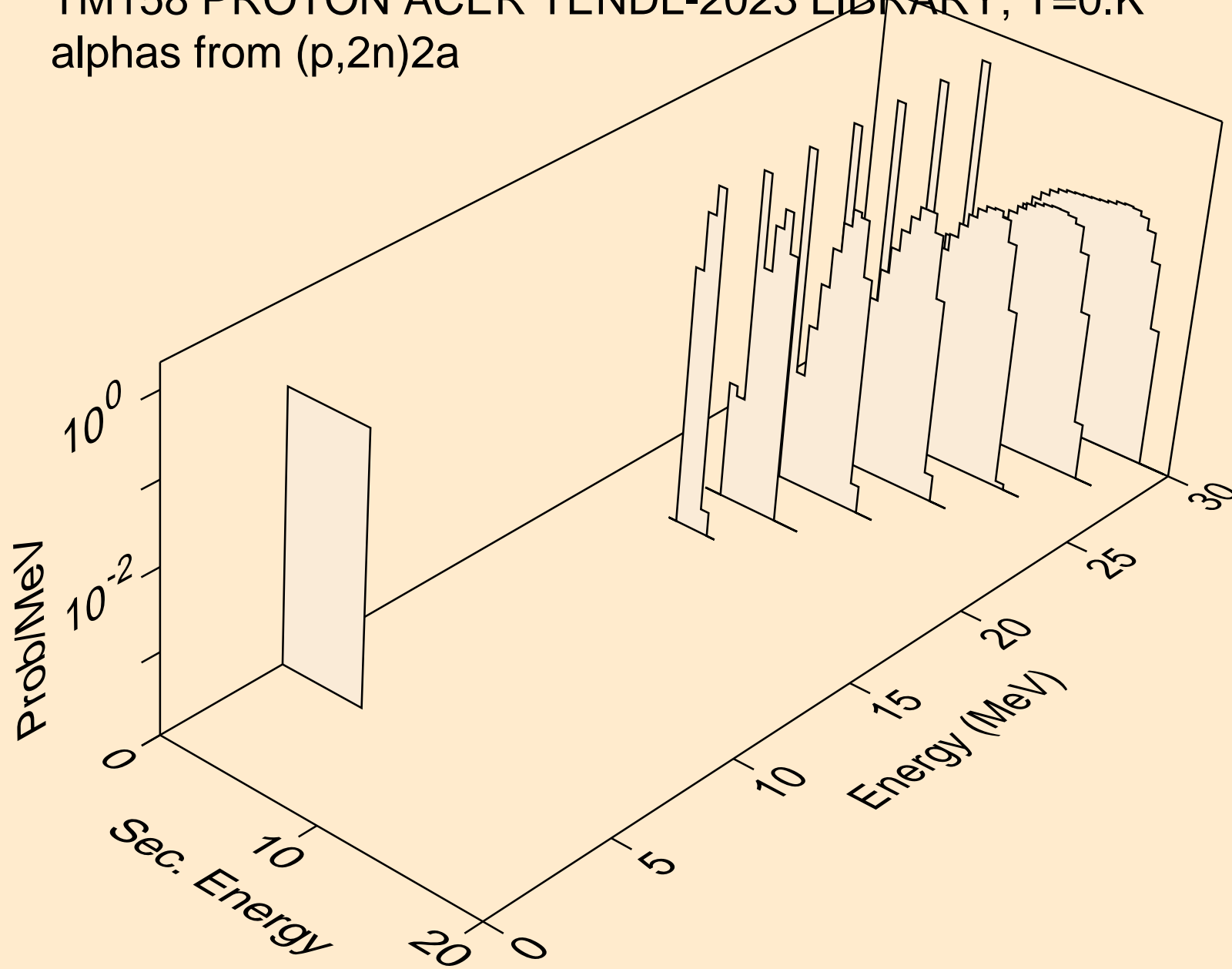
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alphas from (p,3n)a



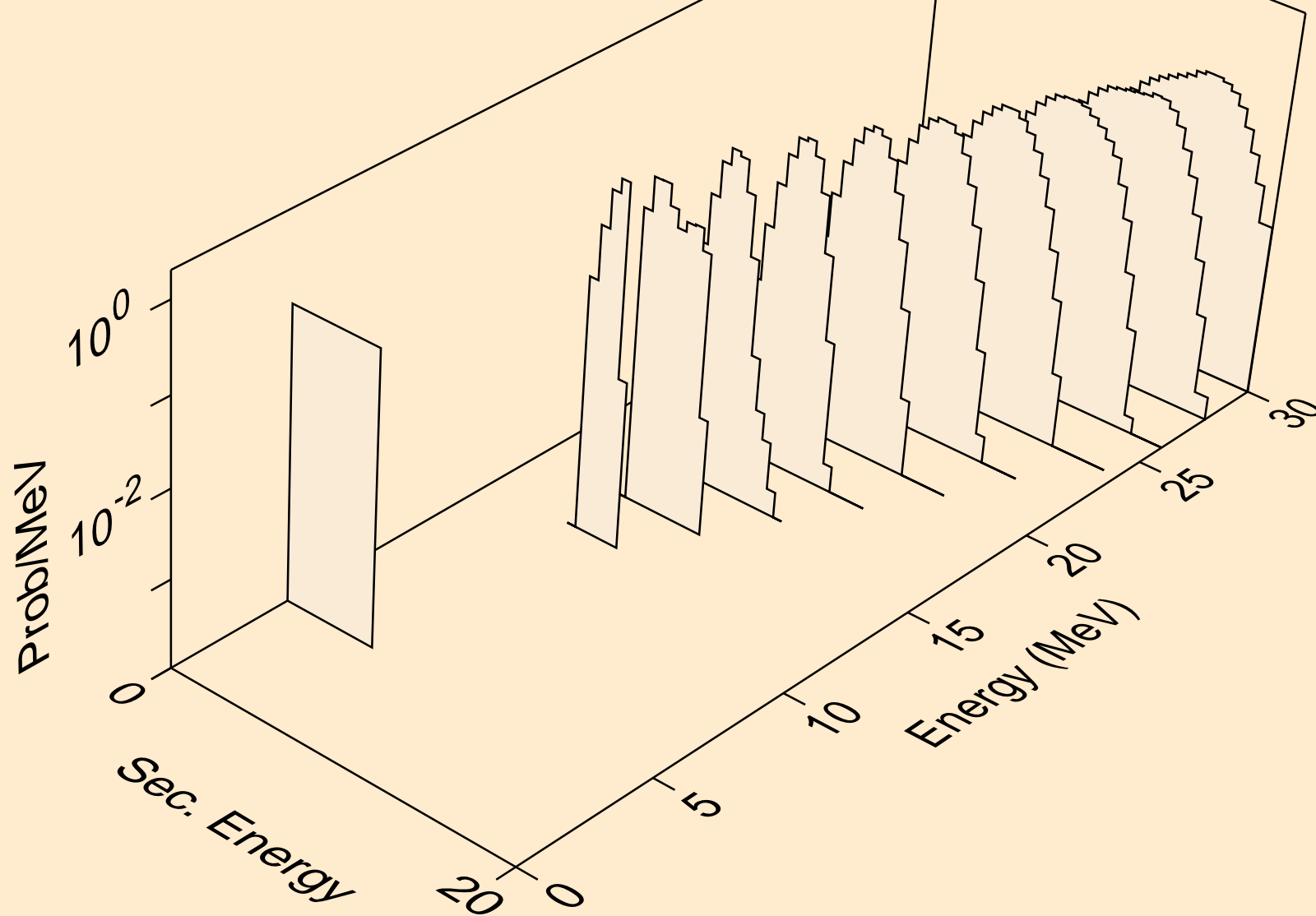
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alphas from (p,n\*)2a



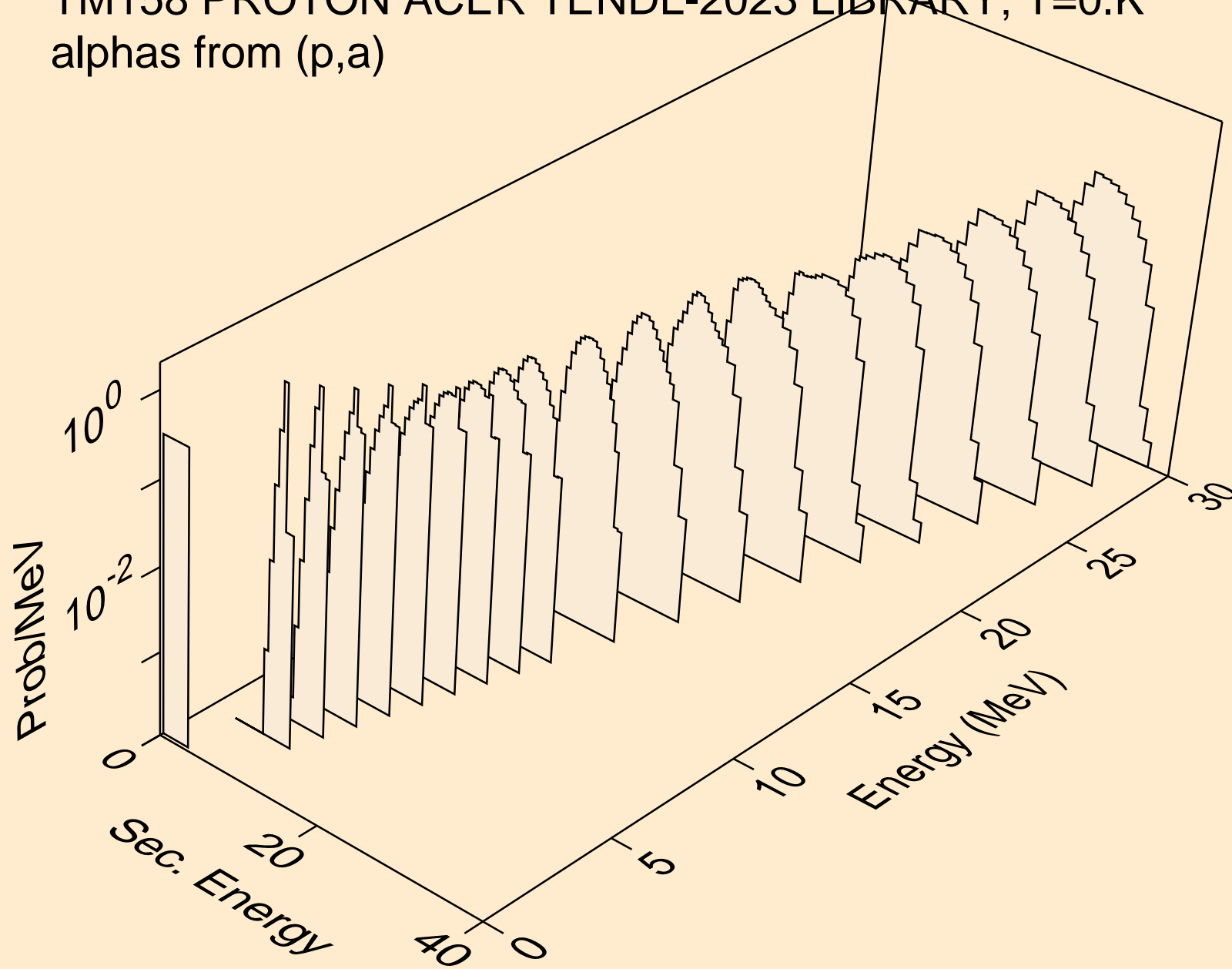
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)2a



TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,npa)

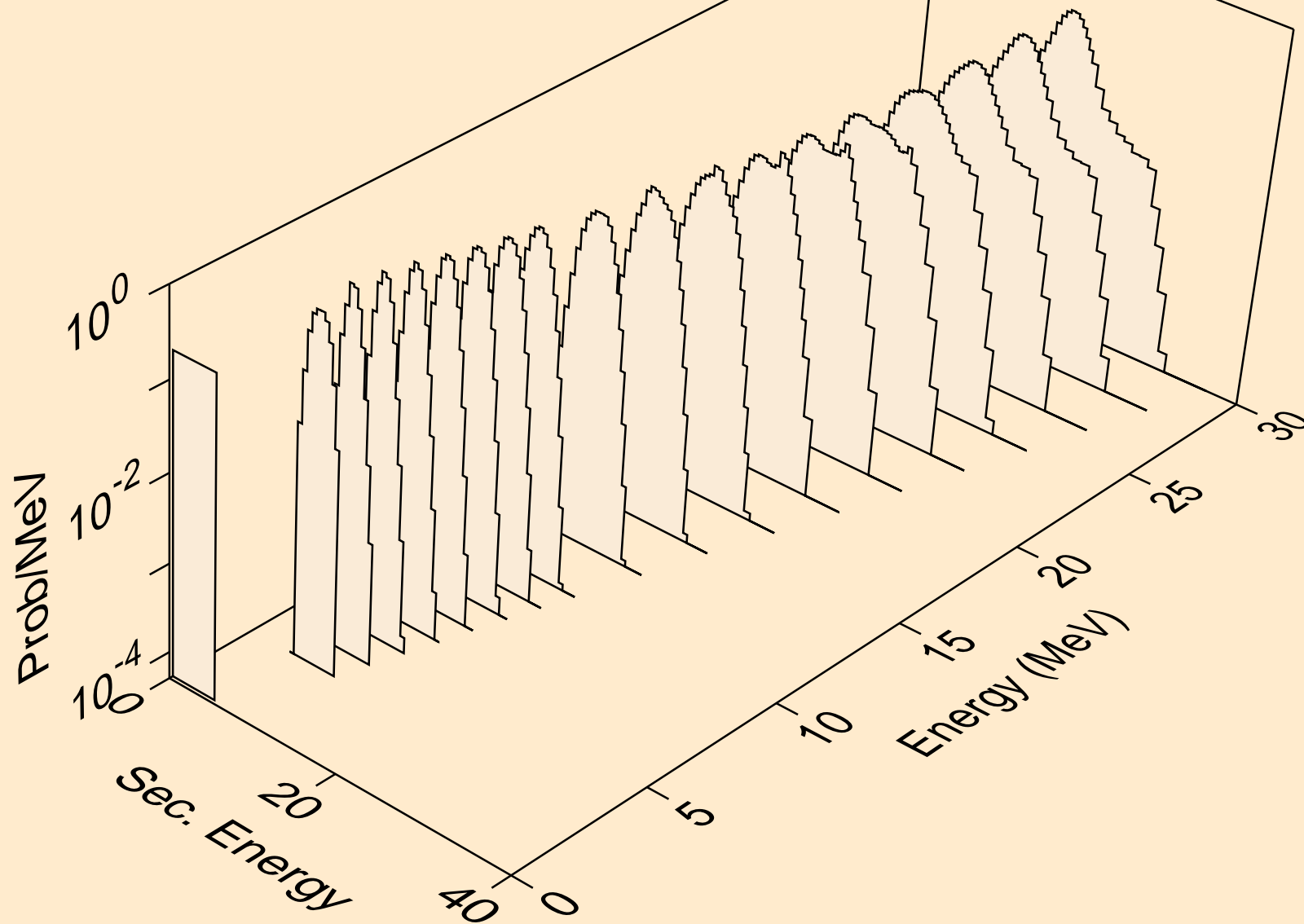


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alphas from (p,a)

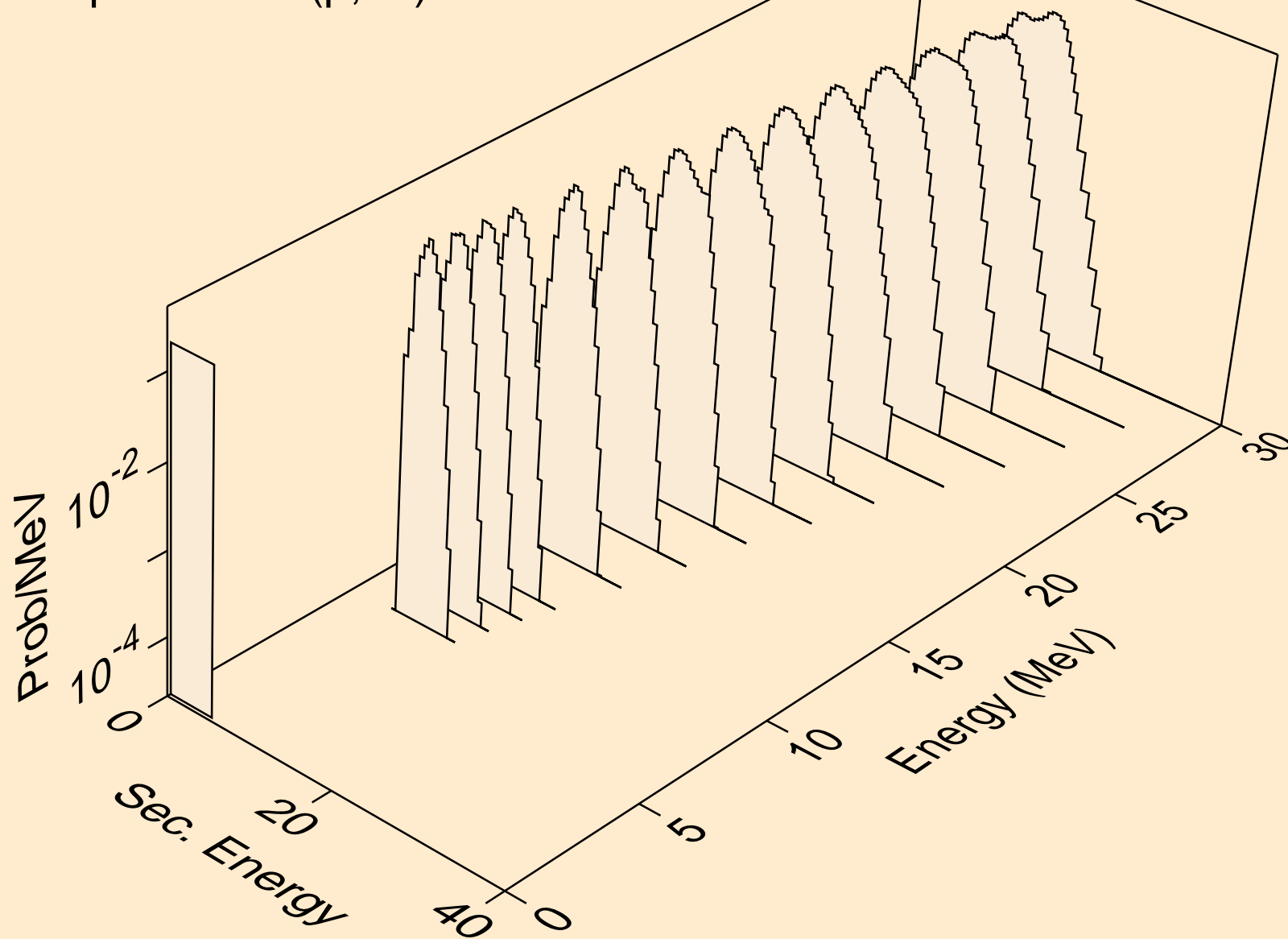




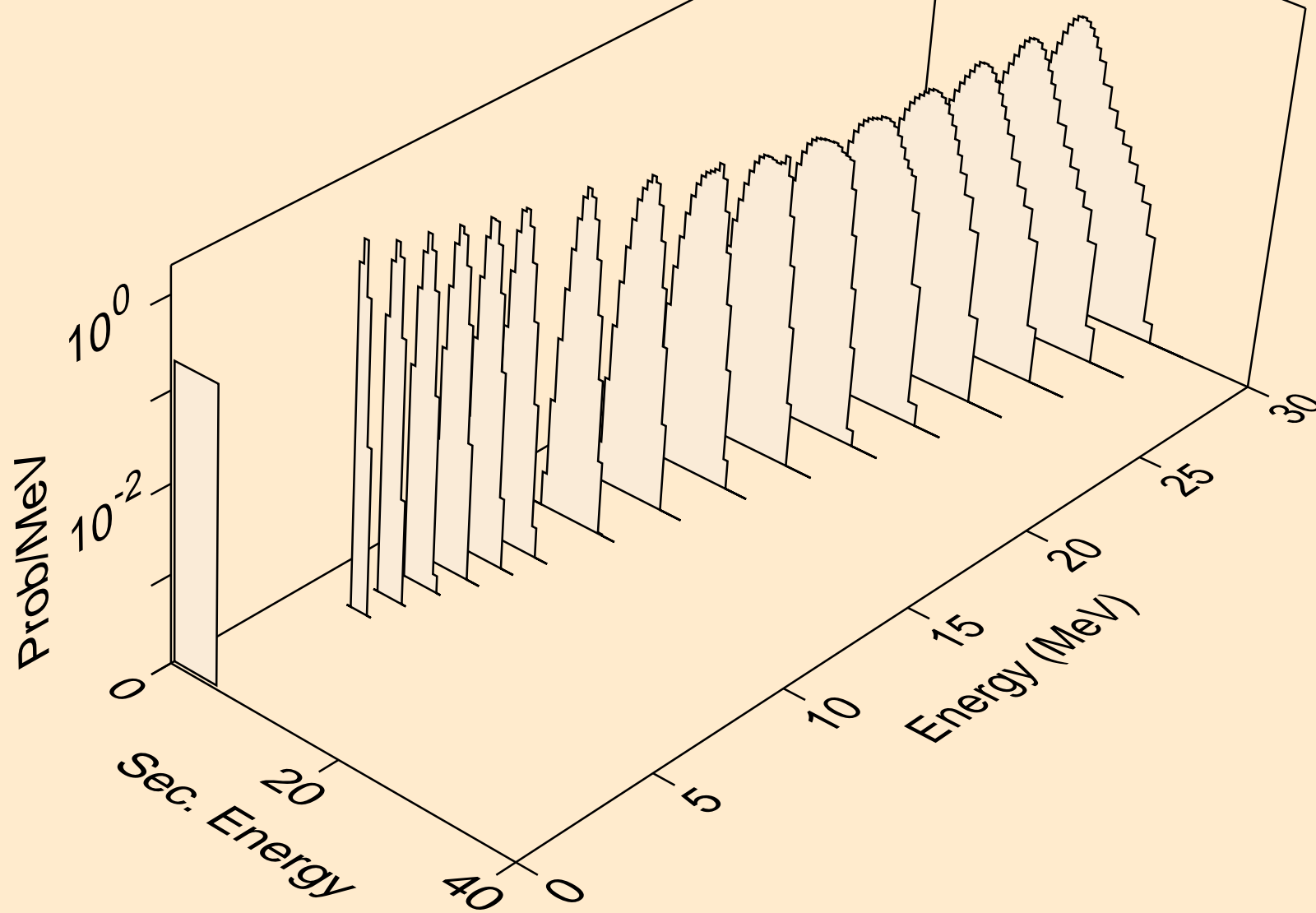
TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2a)



TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3a)



TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)



TM158 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,da)

