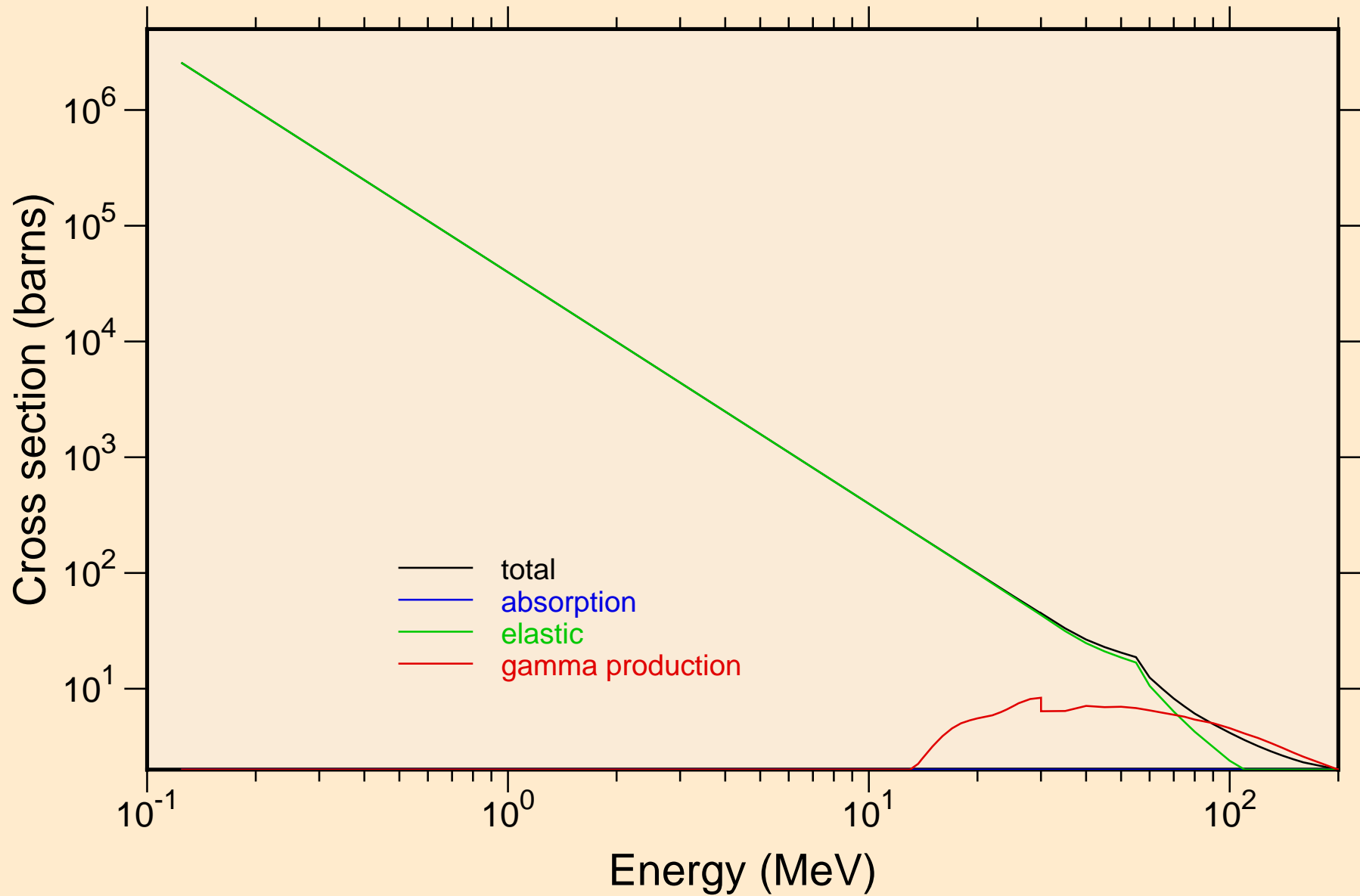
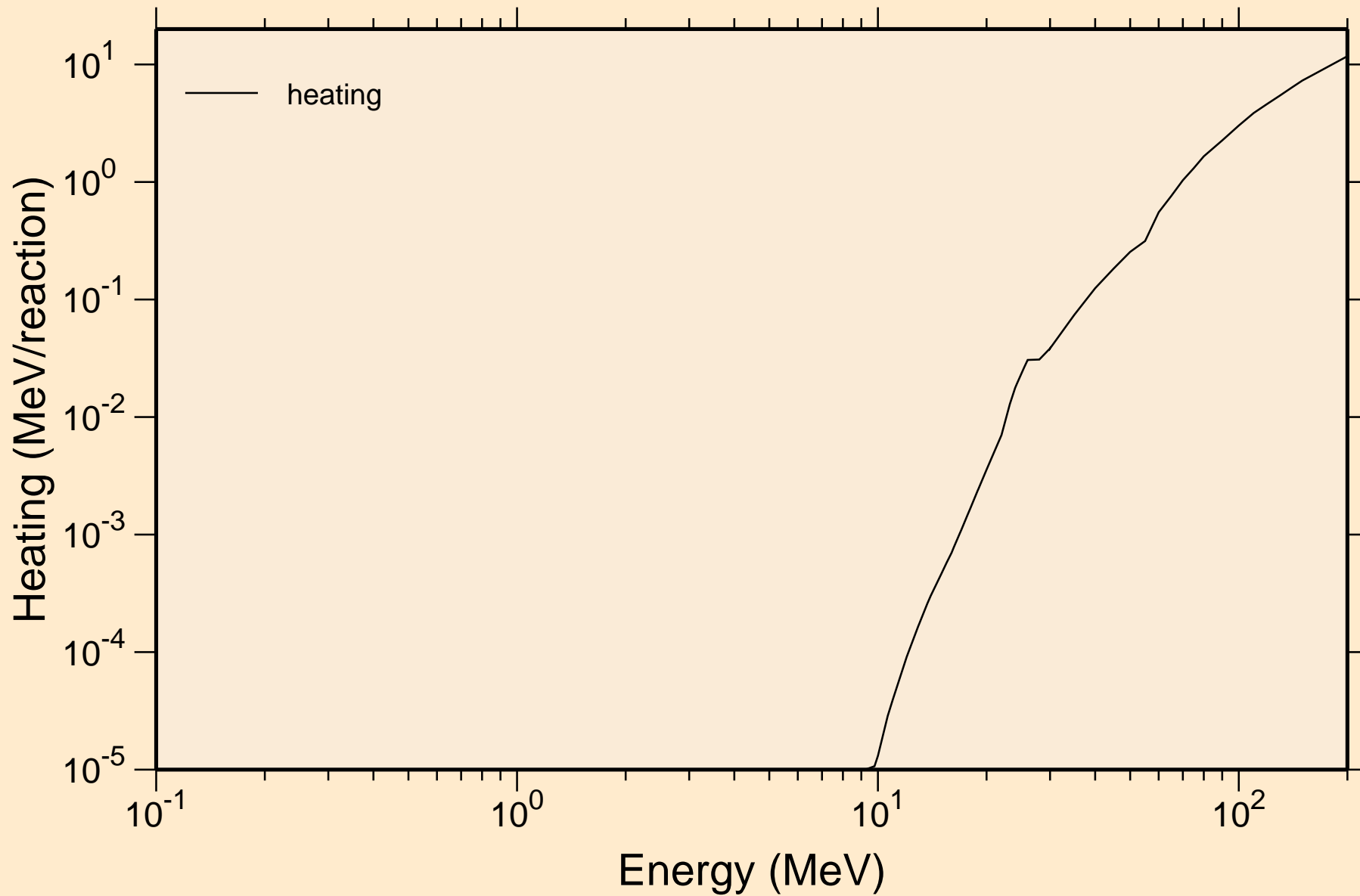


# HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections

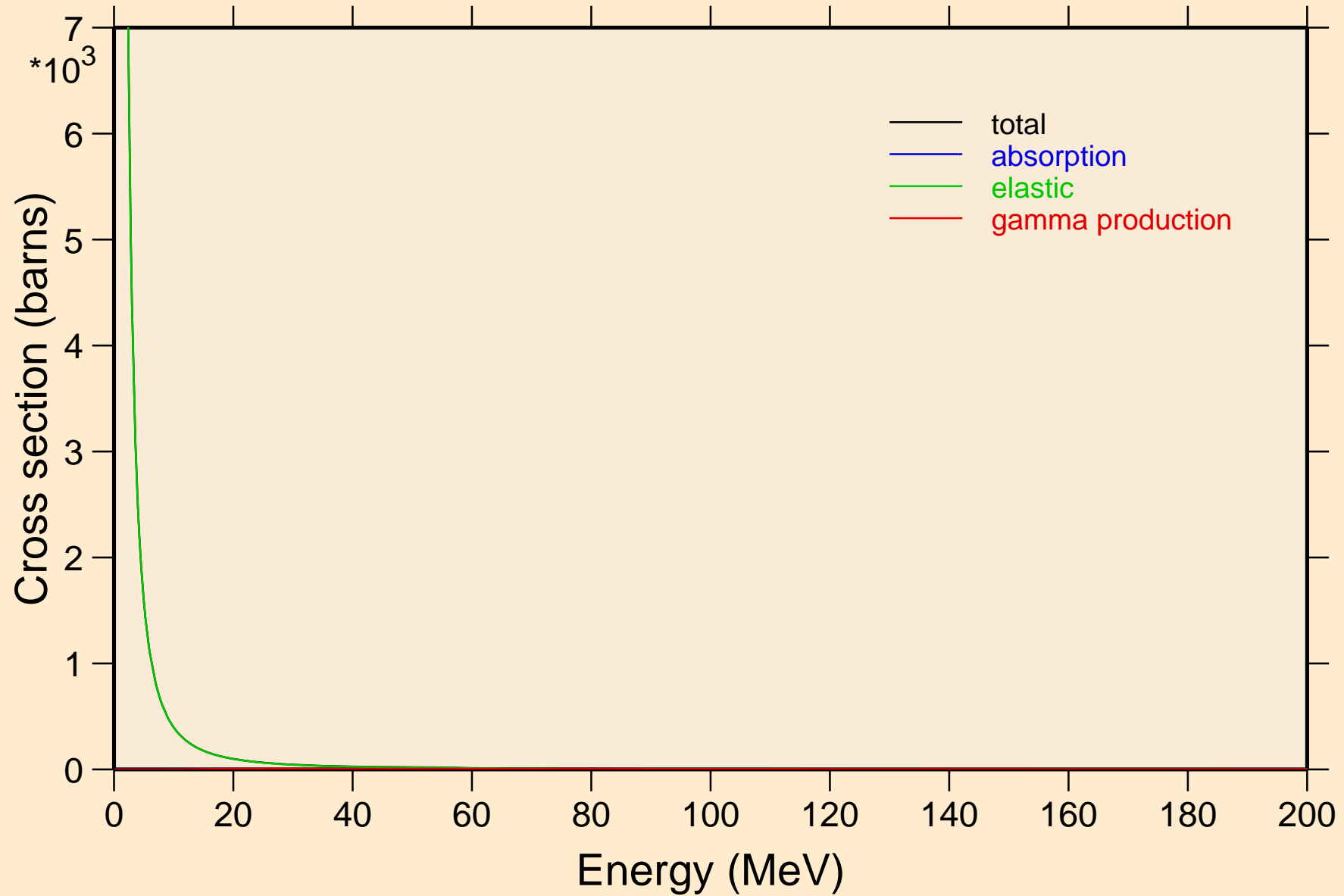


HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Heating



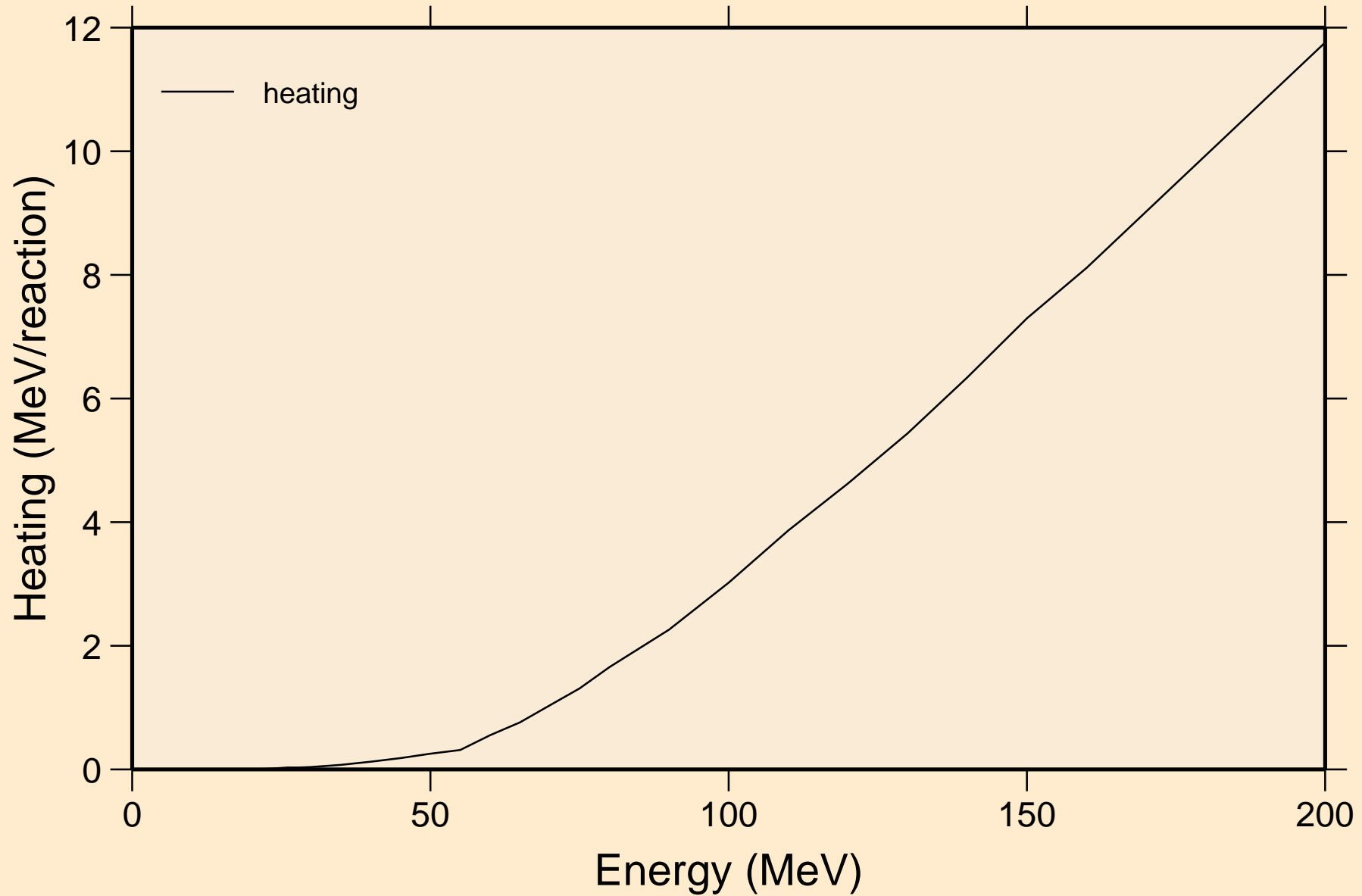
# HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



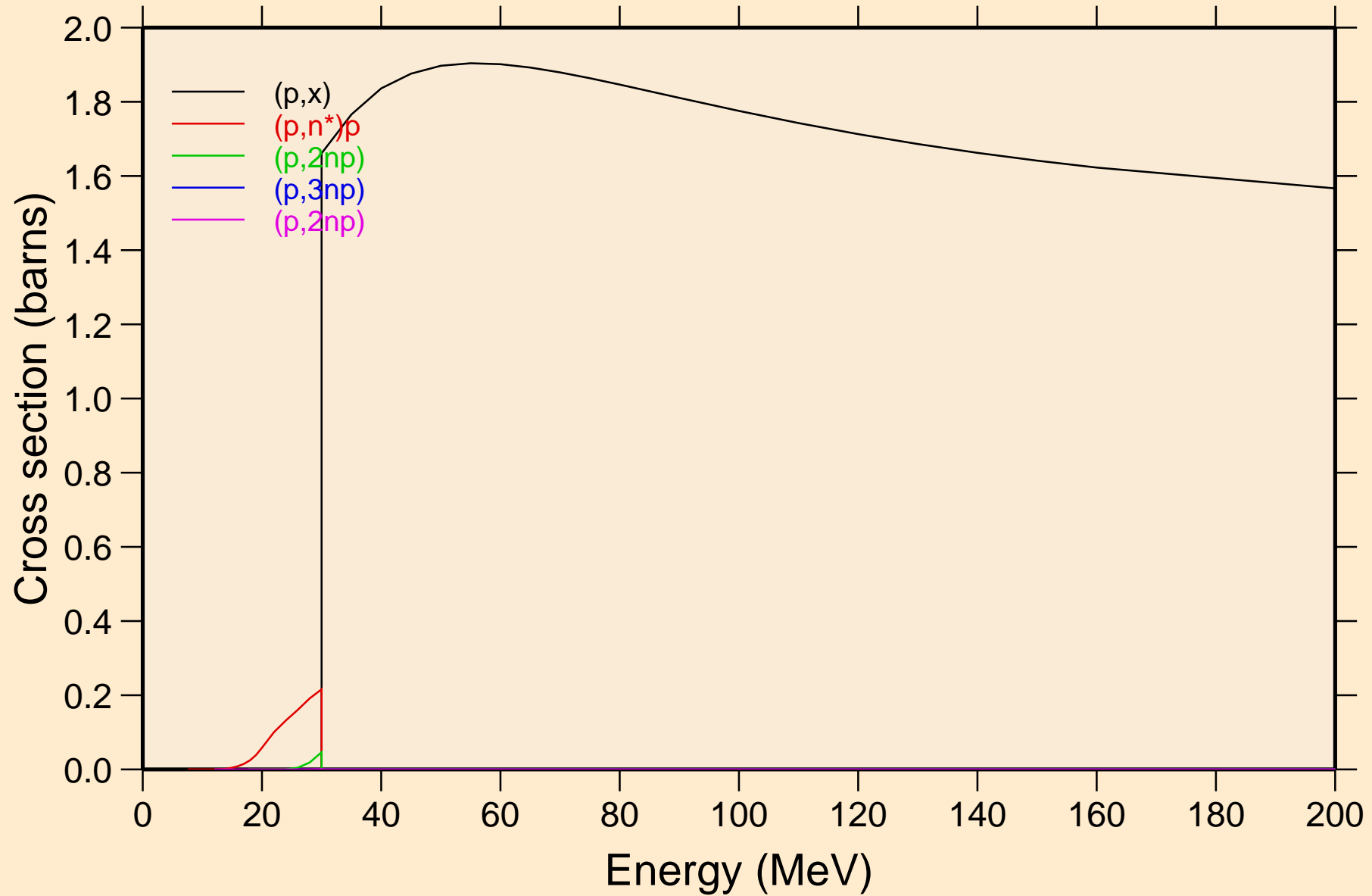
# HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Heating



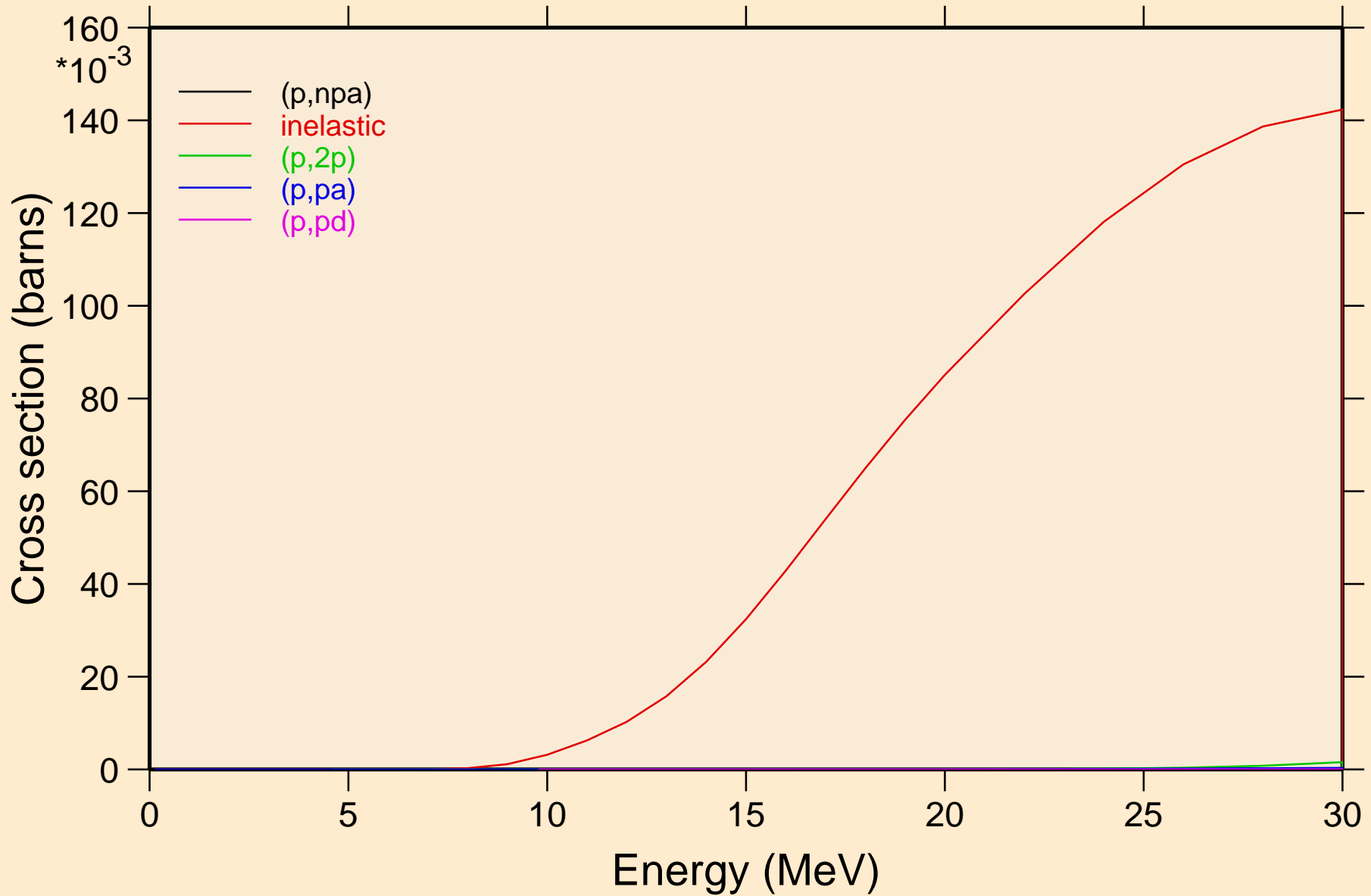
# HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



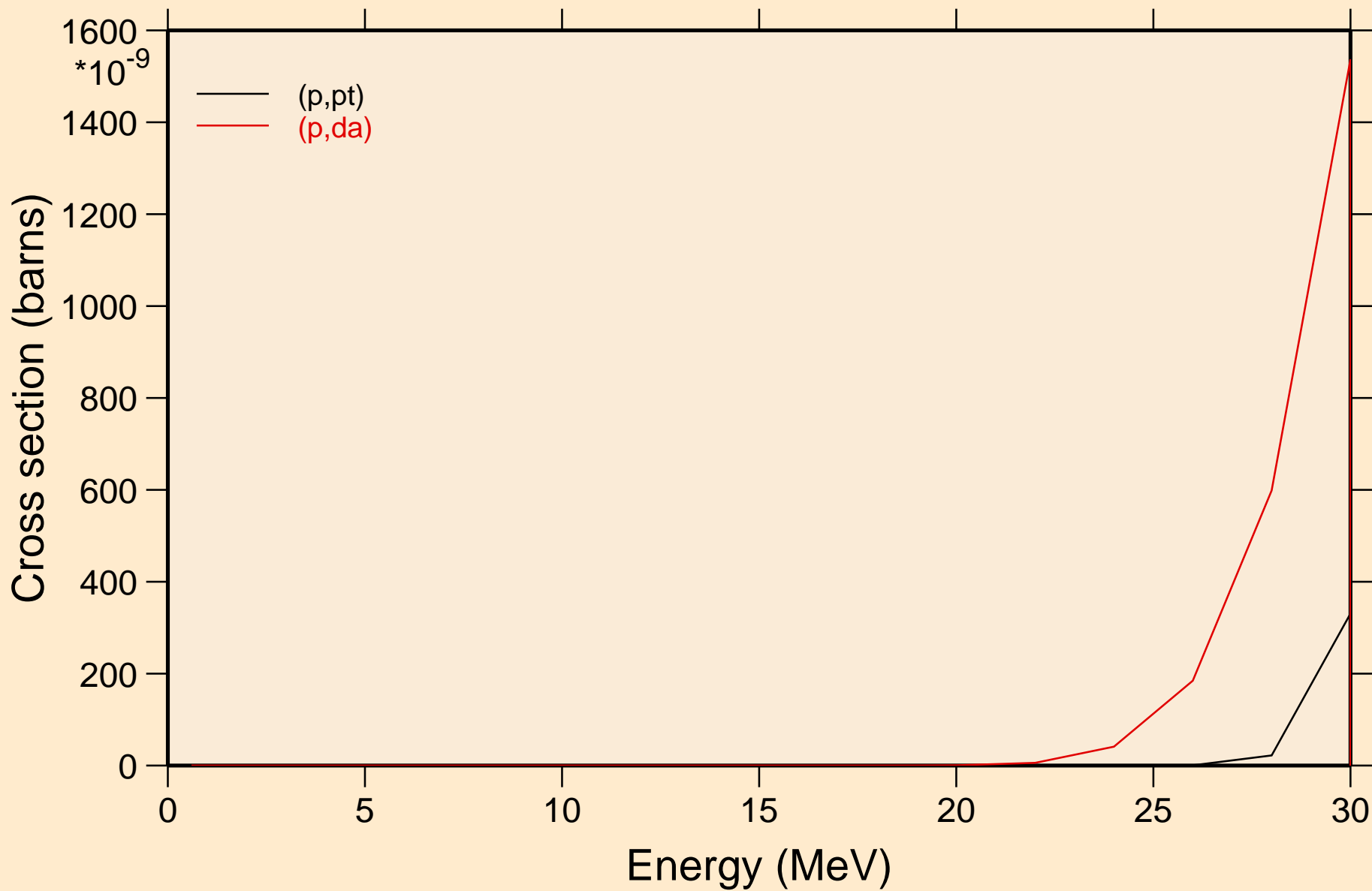
# HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions

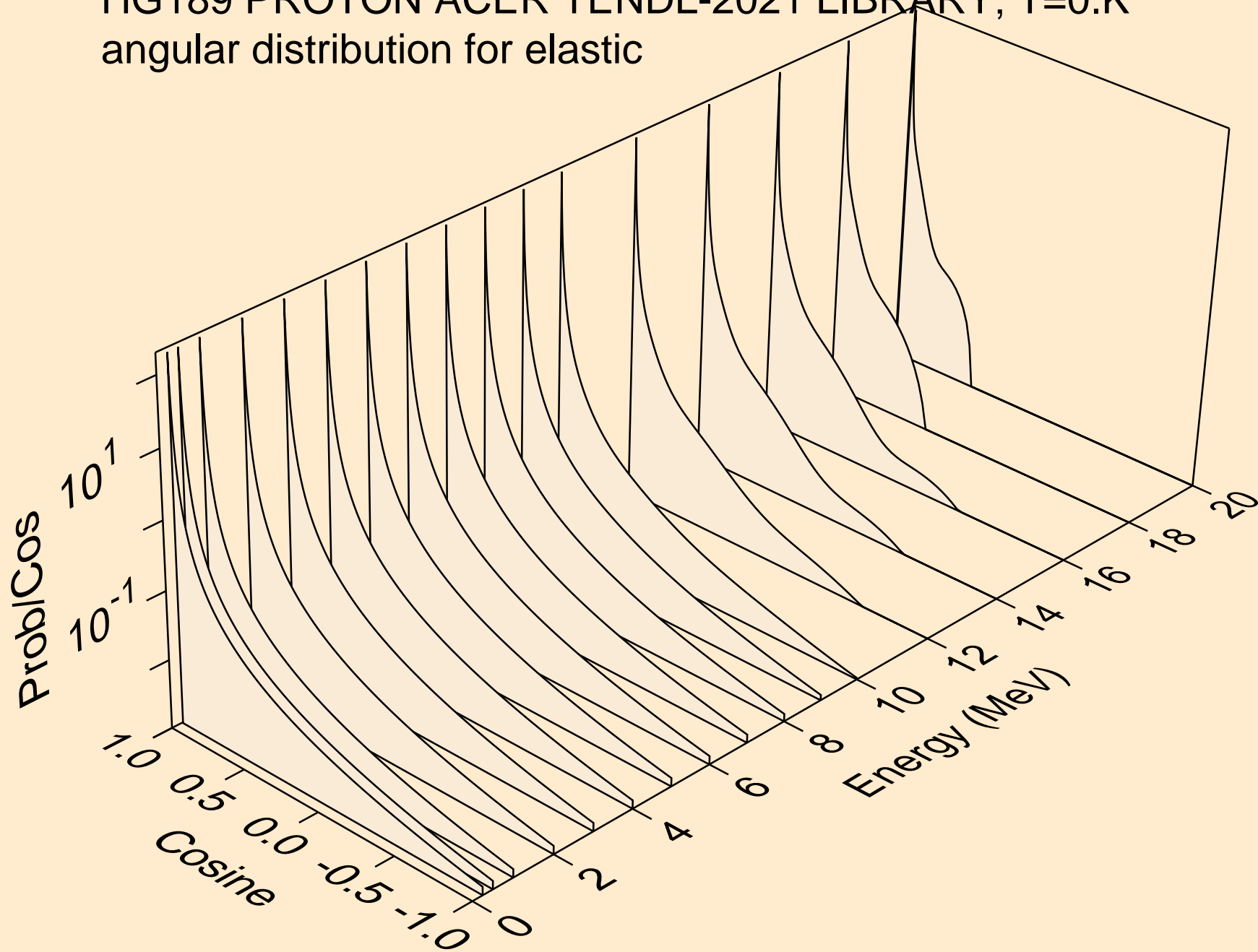


# HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions

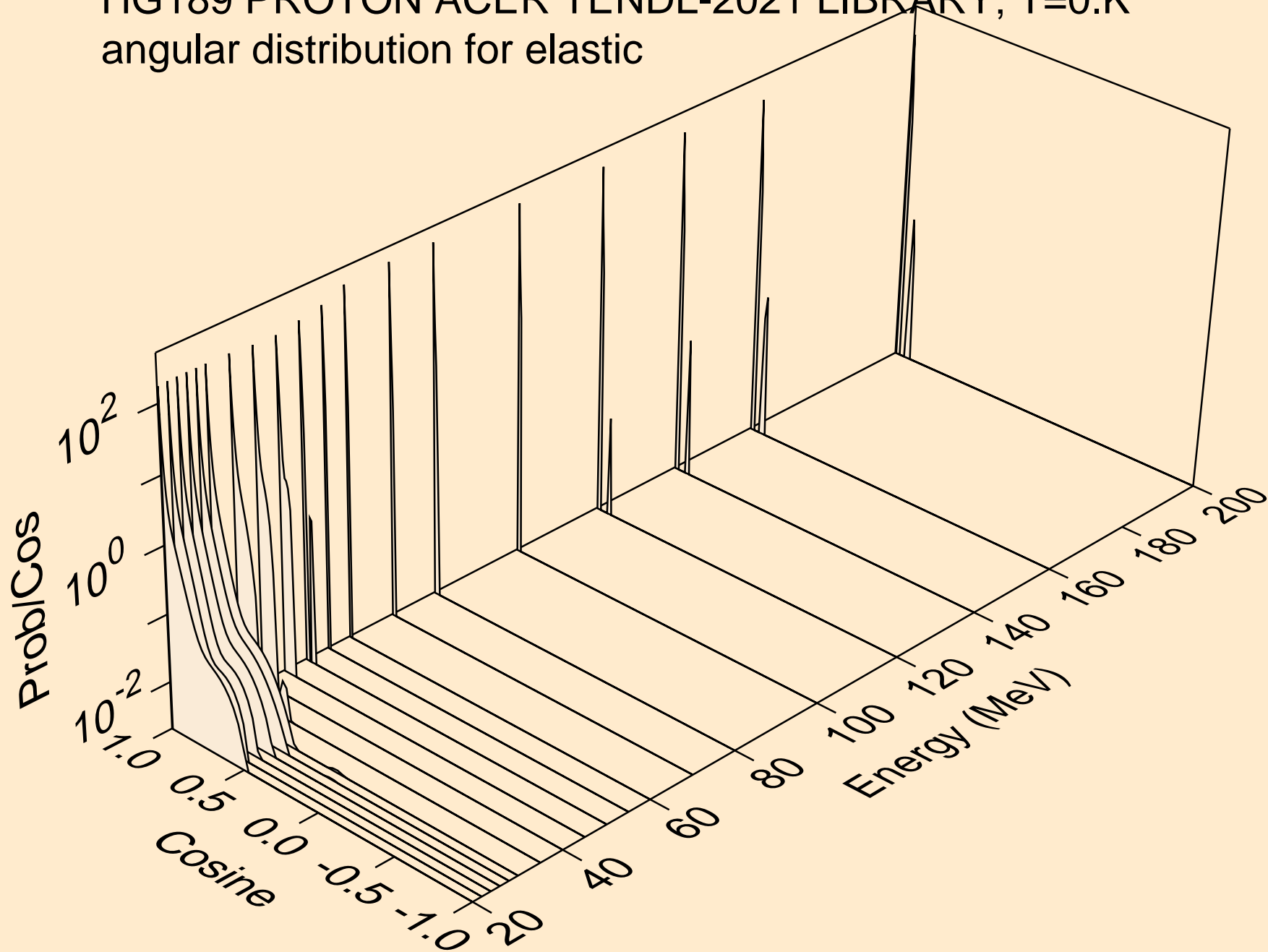


HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic

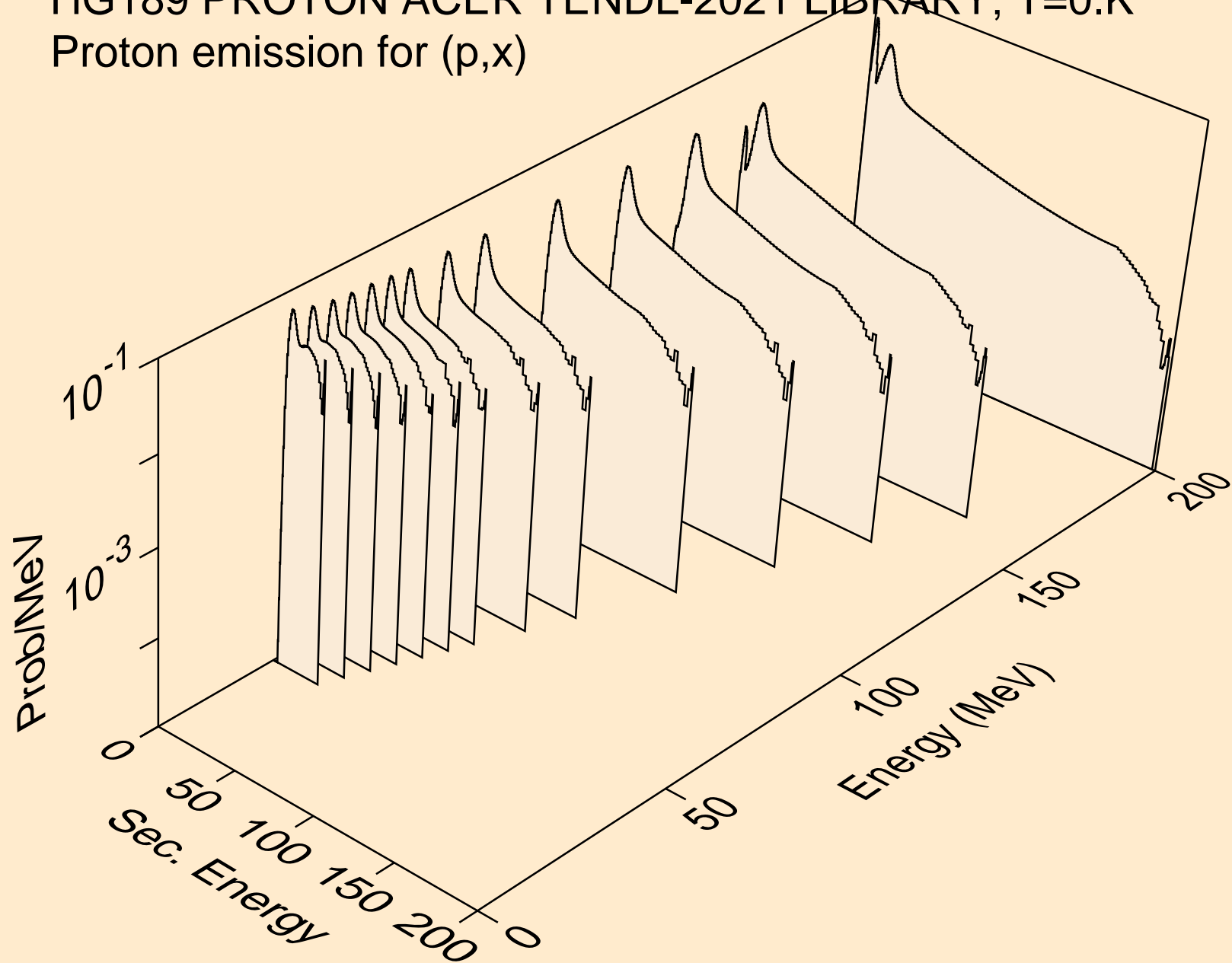




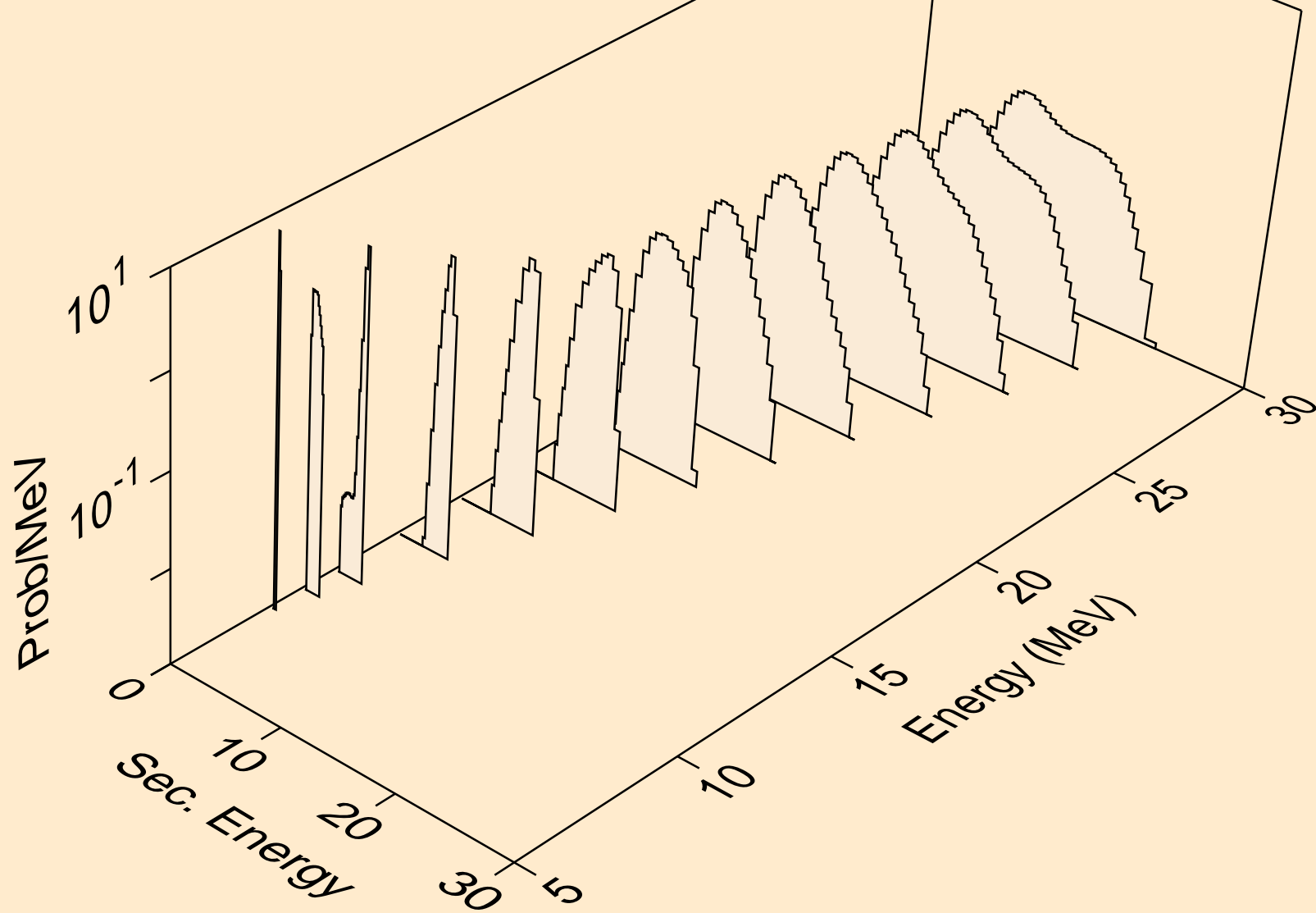
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



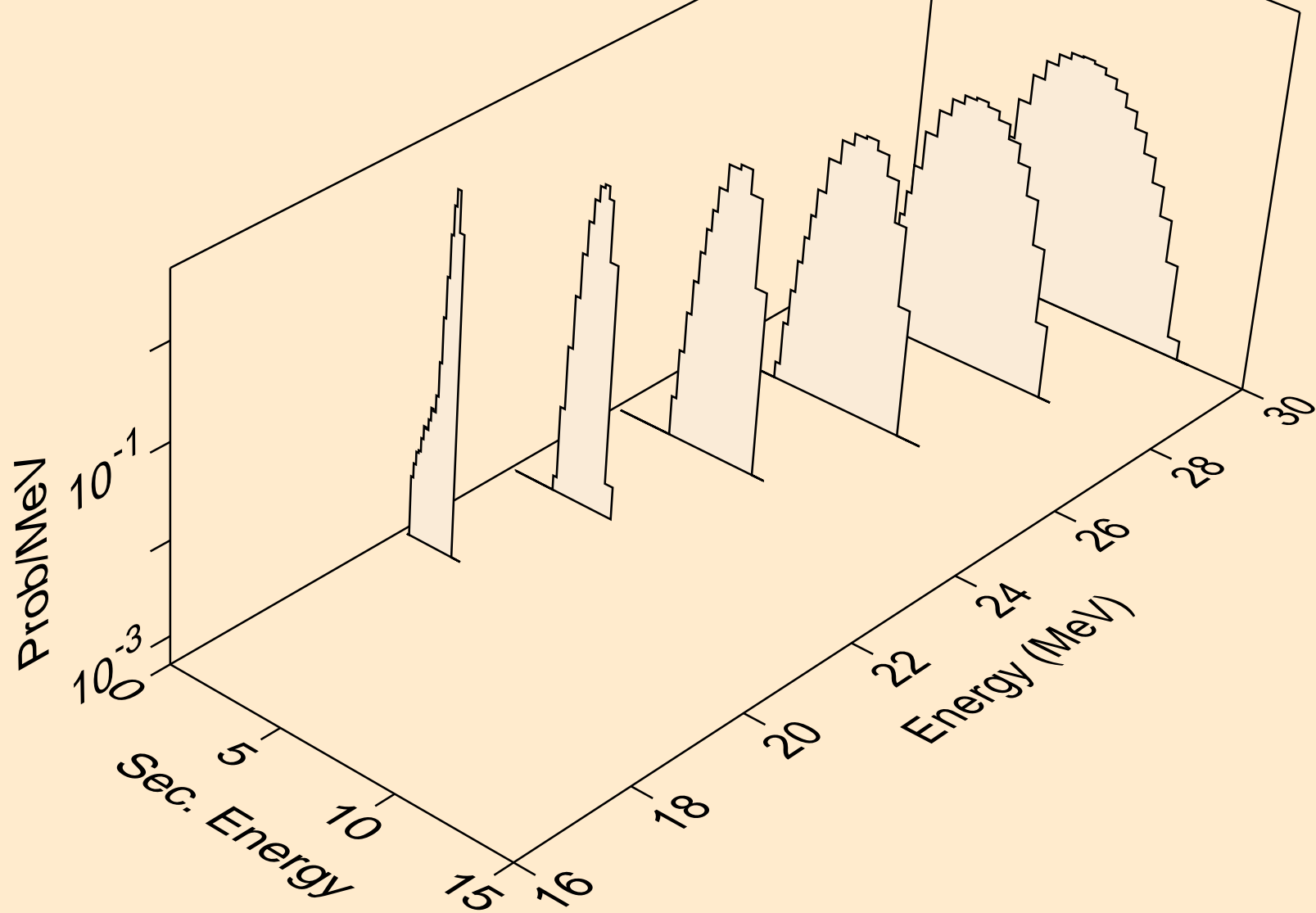
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,x)



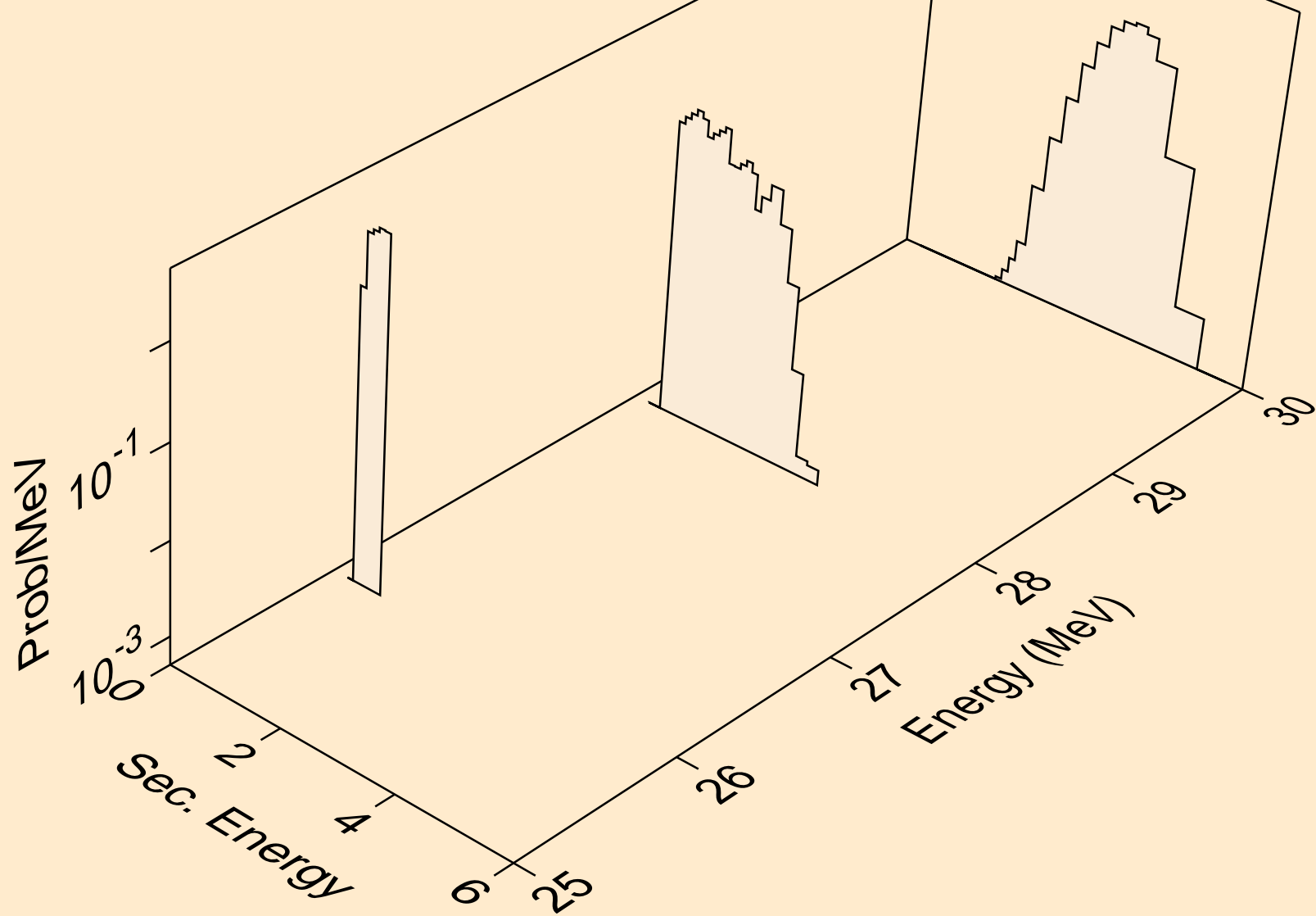
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



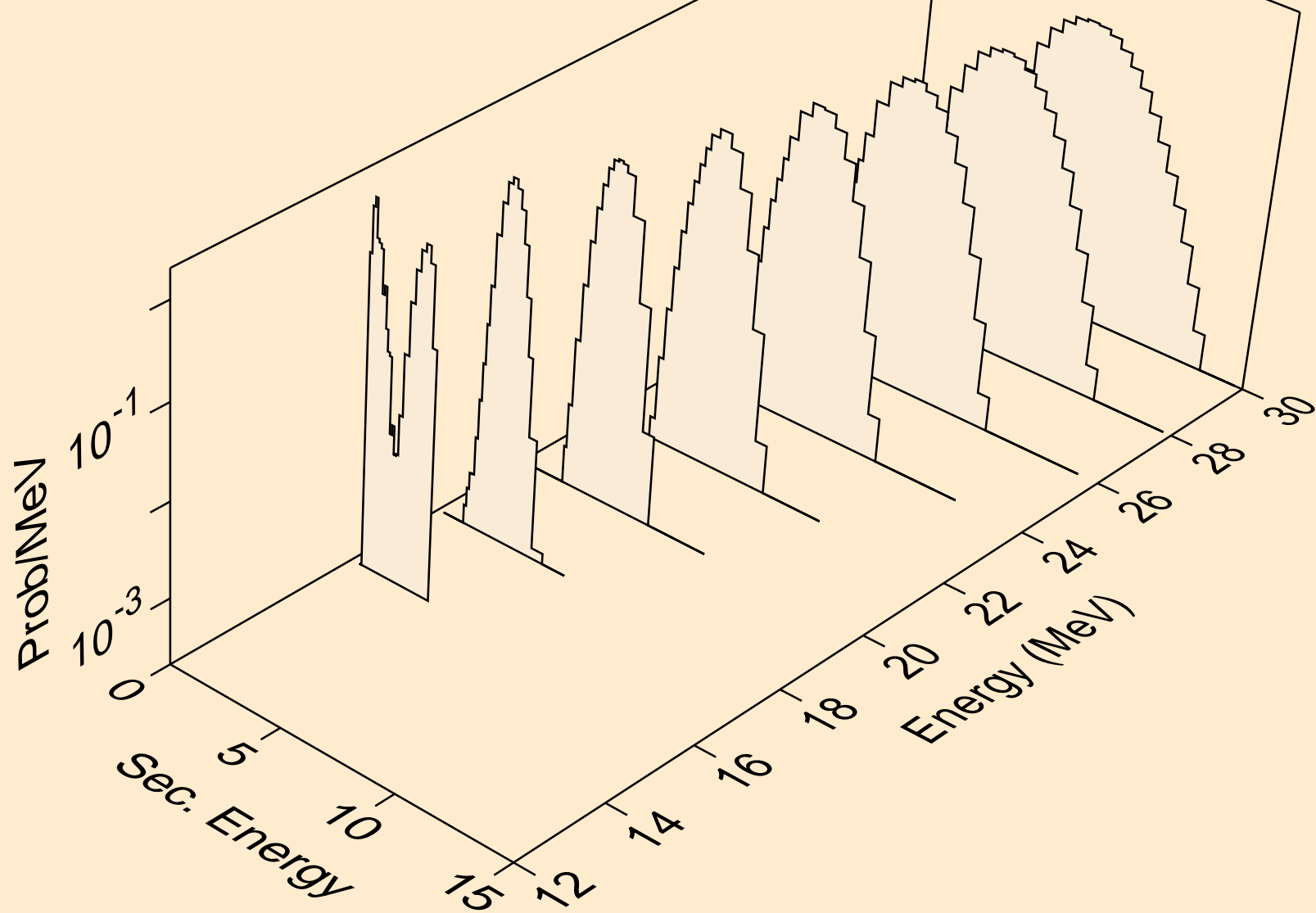
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



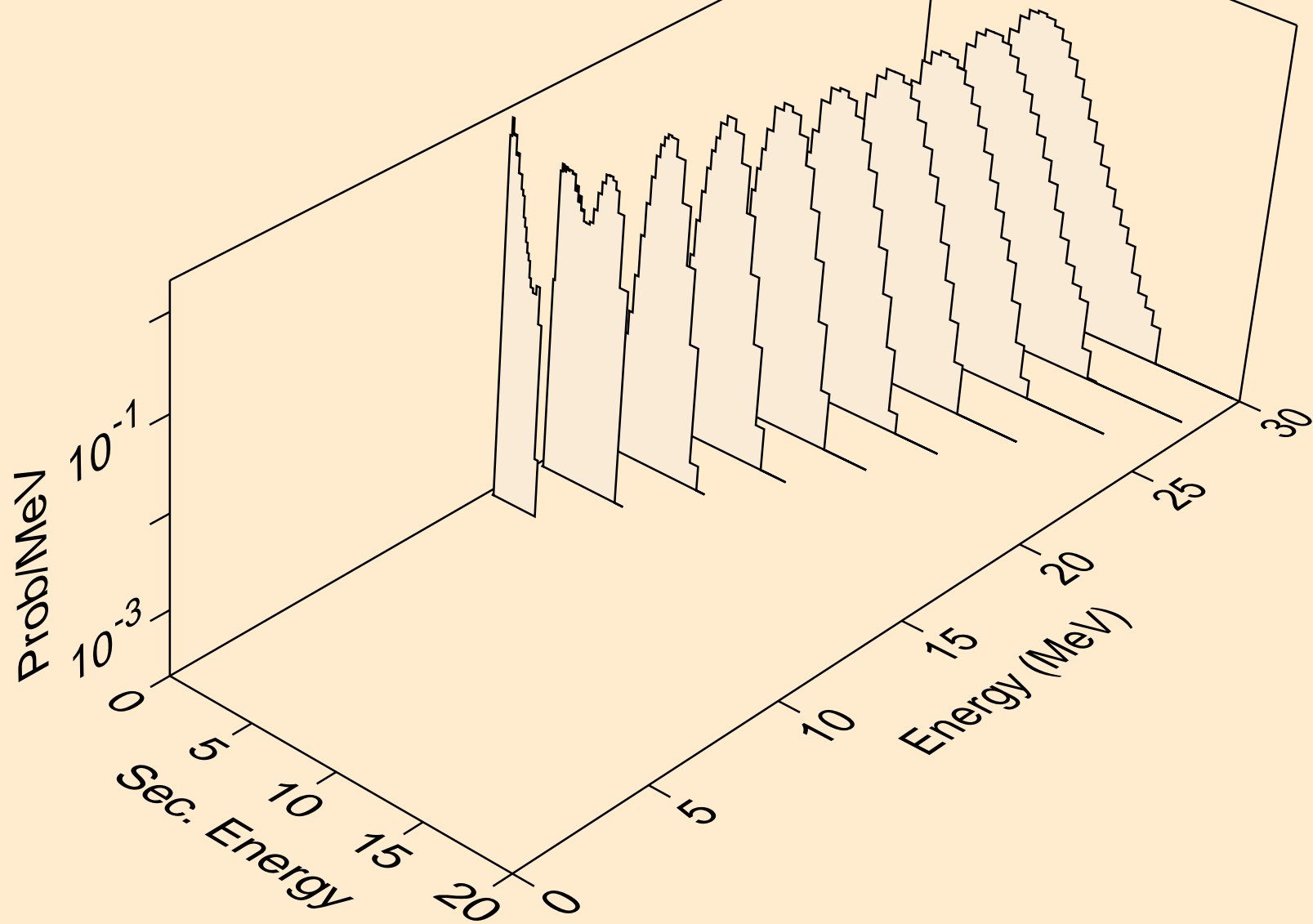
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,3np)



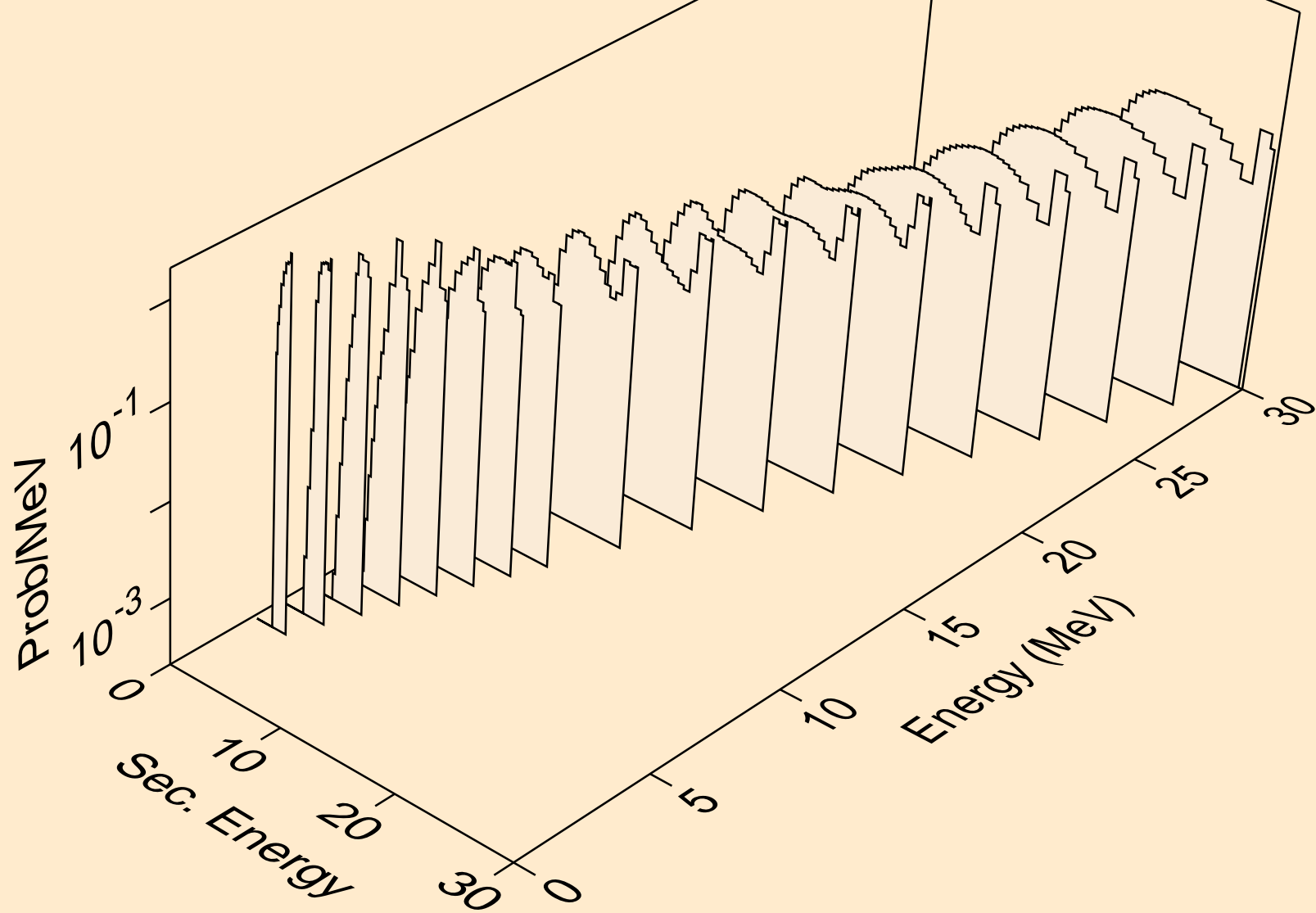
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,npa)

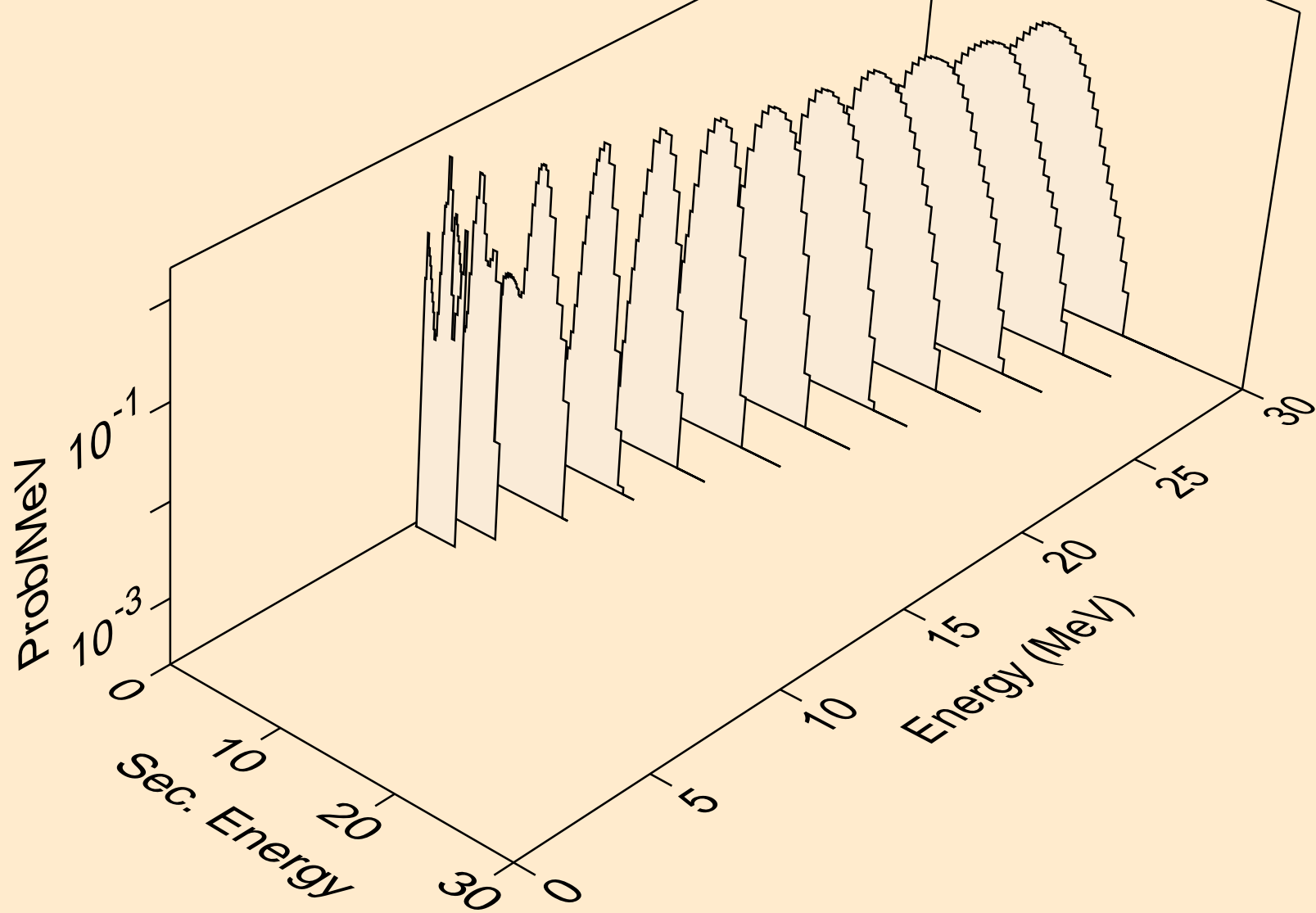


HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for inelastic

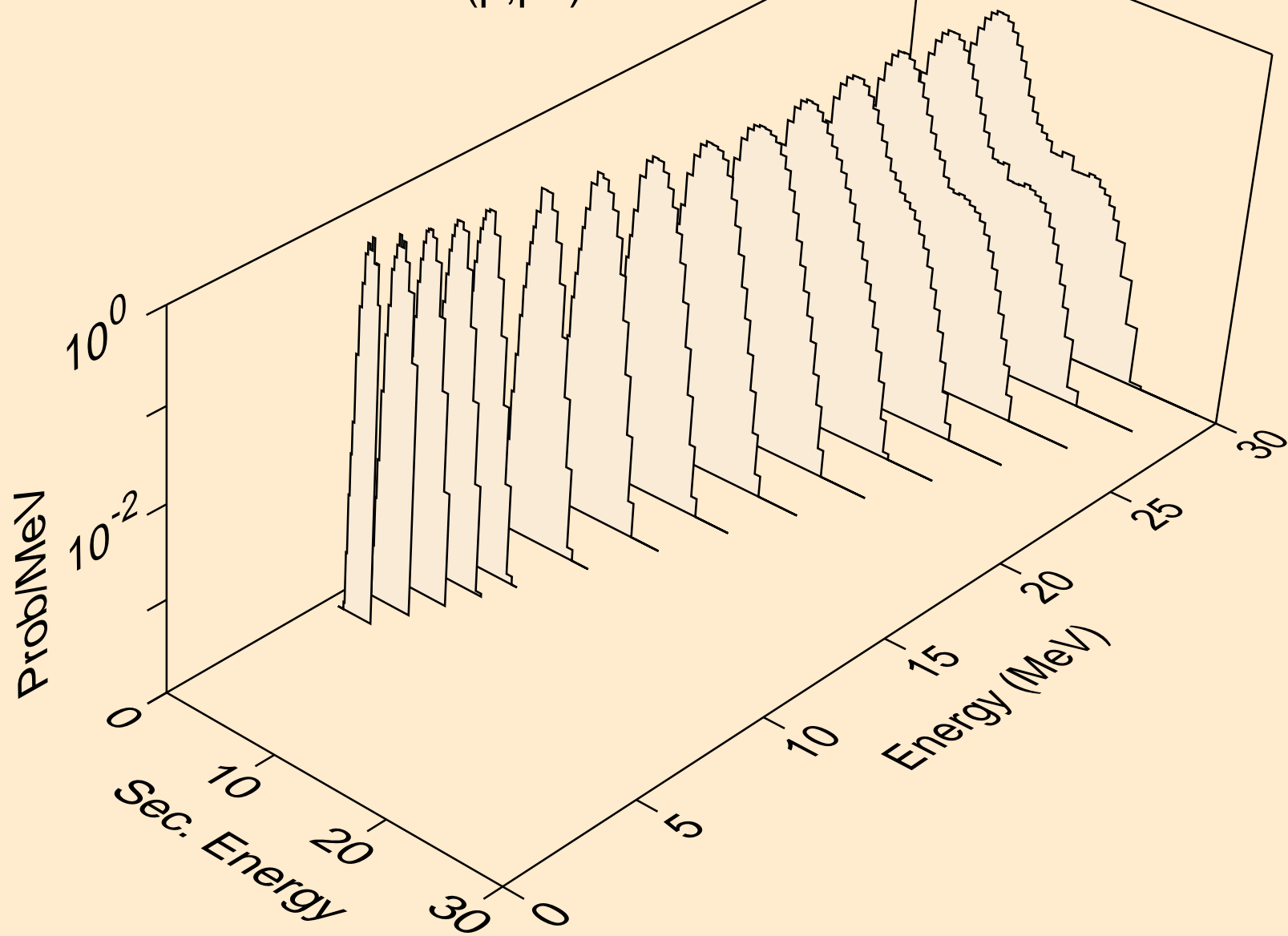




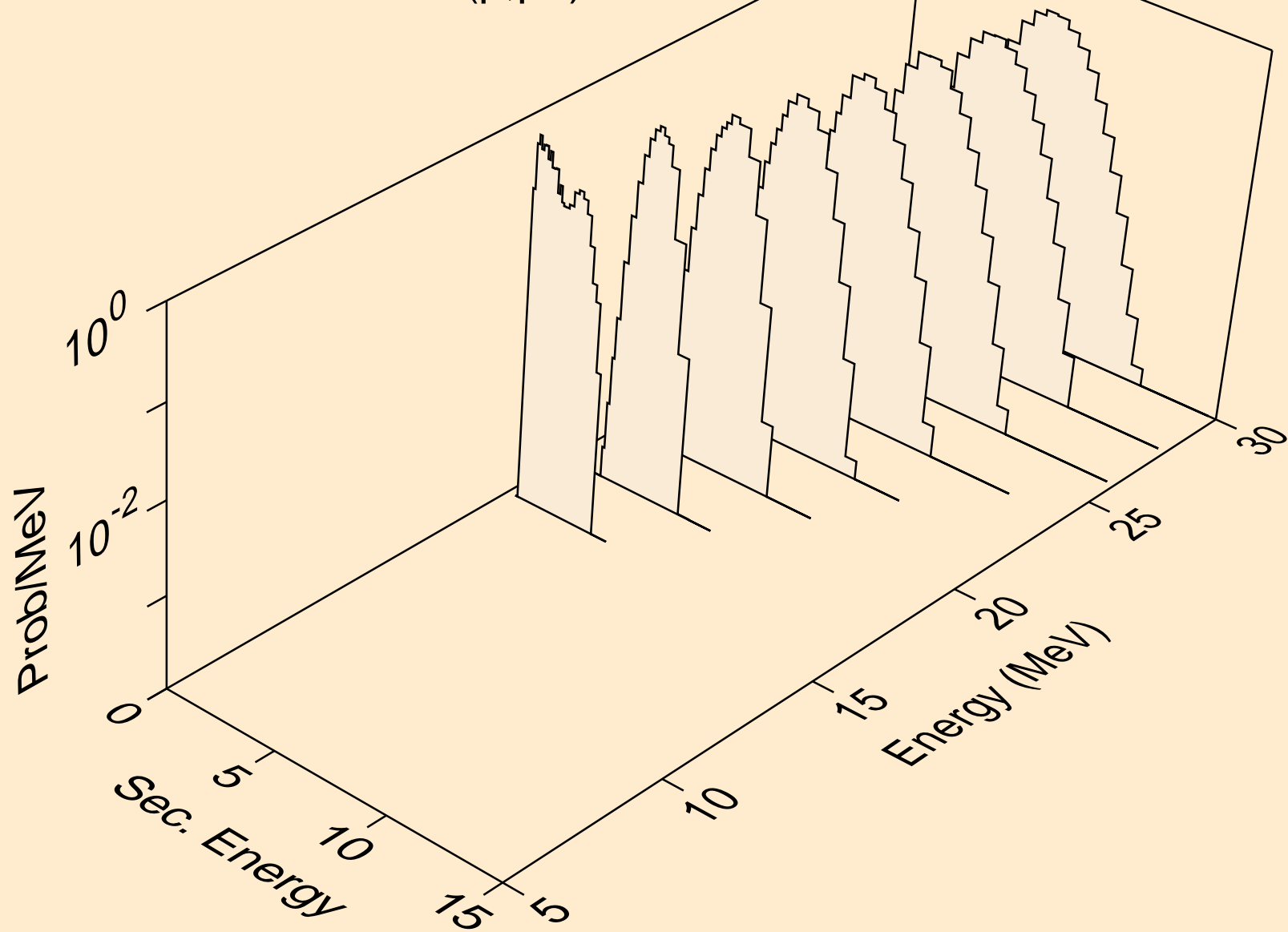
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2p)



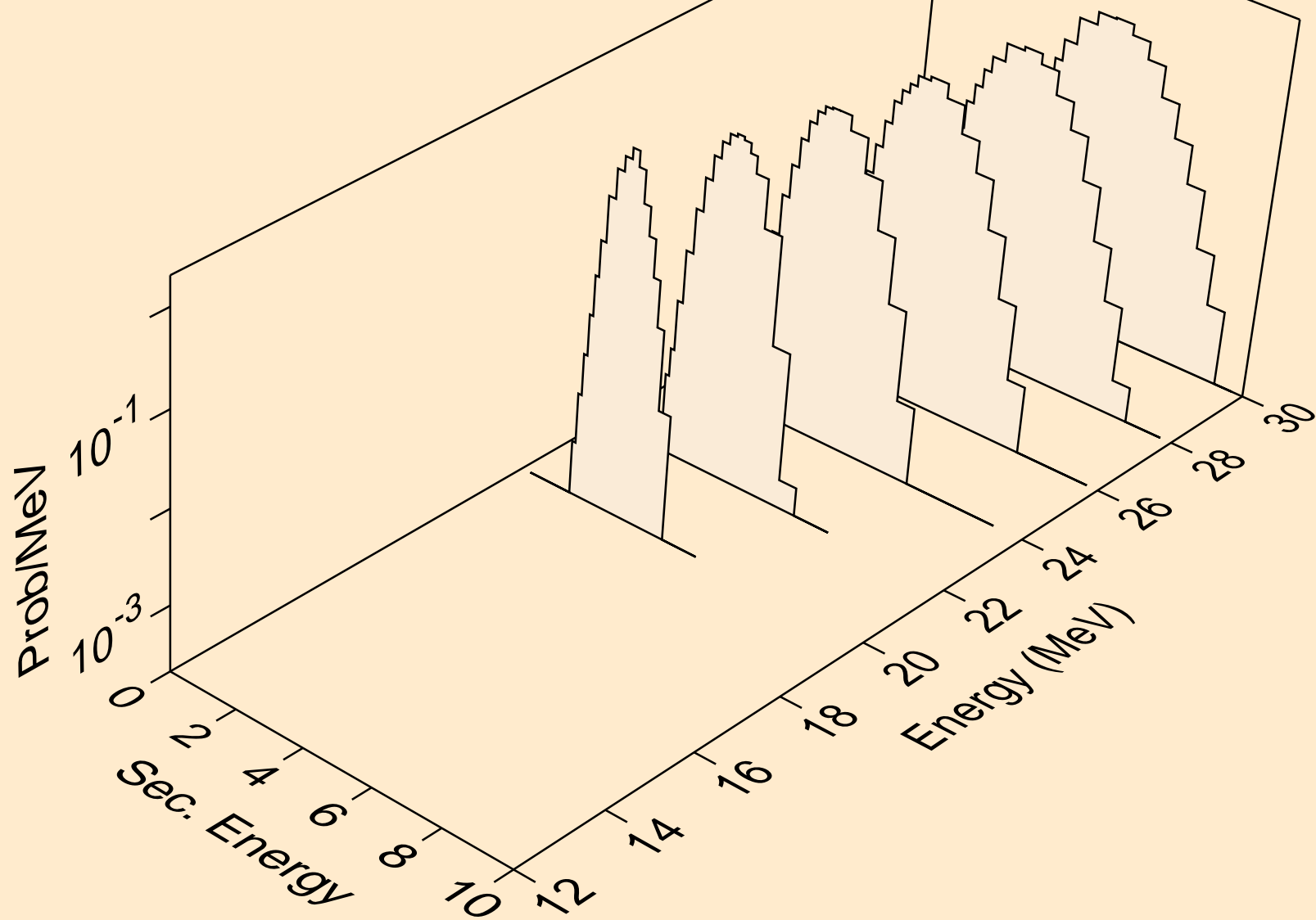
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pa)



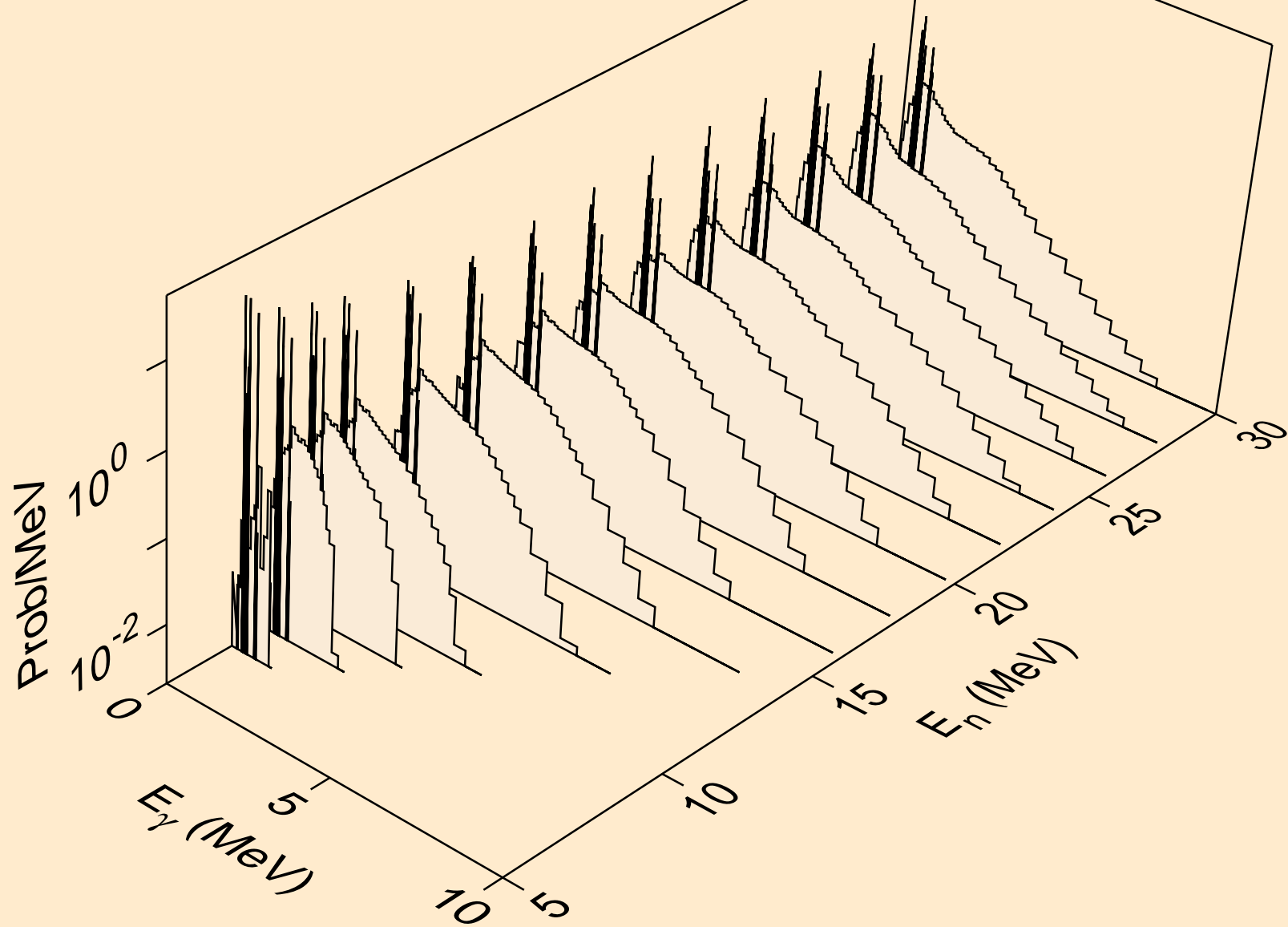
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pd)



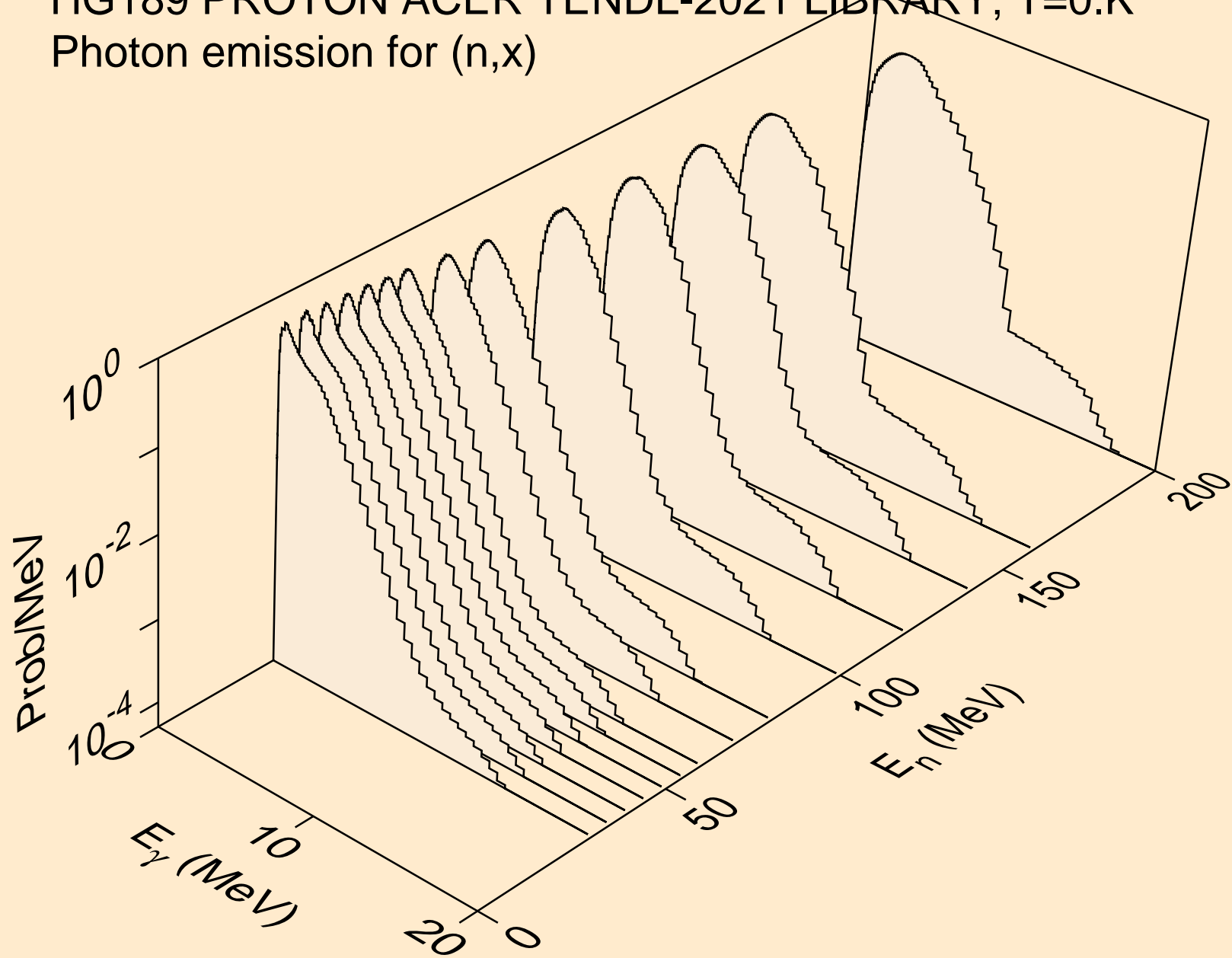
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pt)



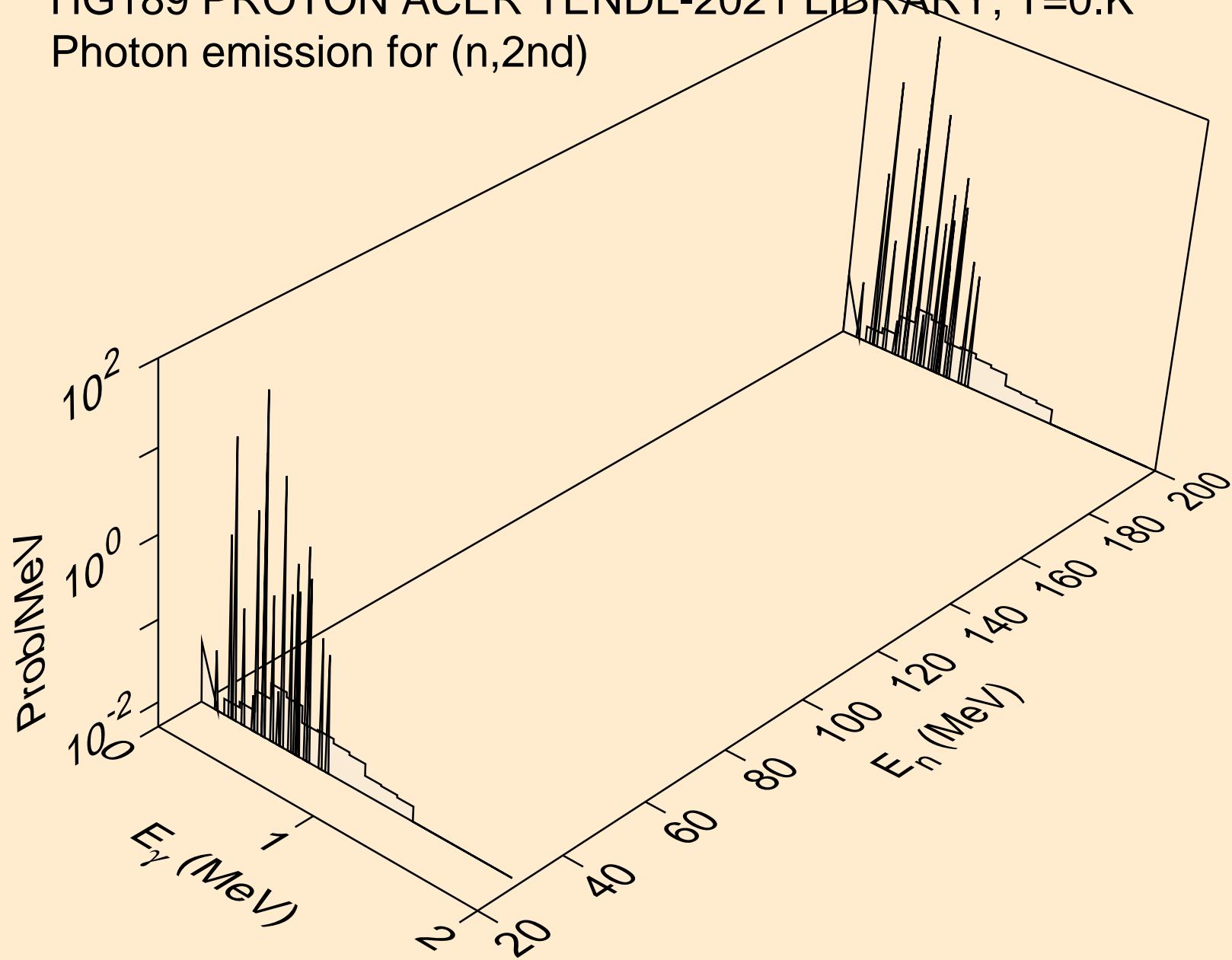
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



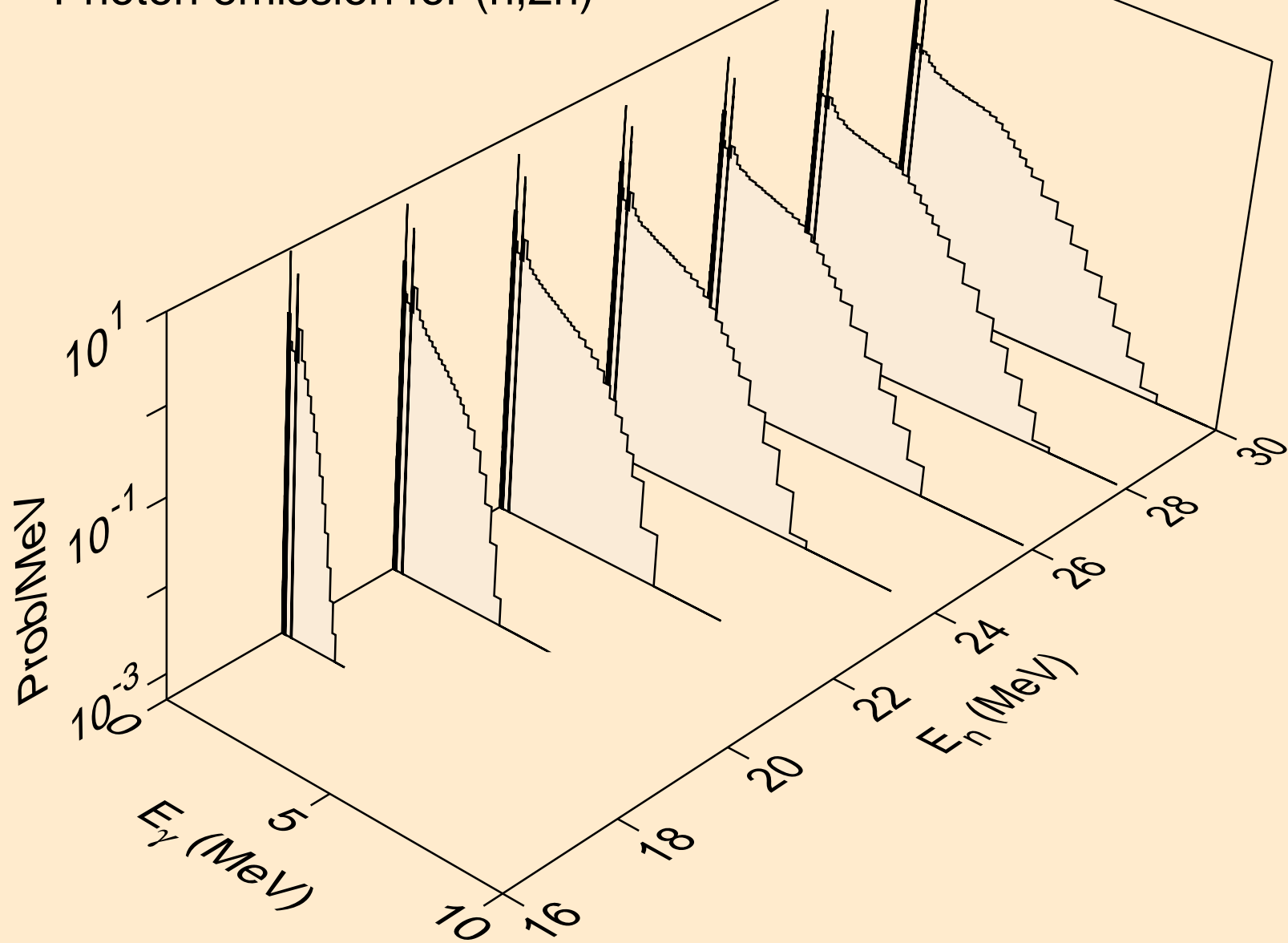
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)

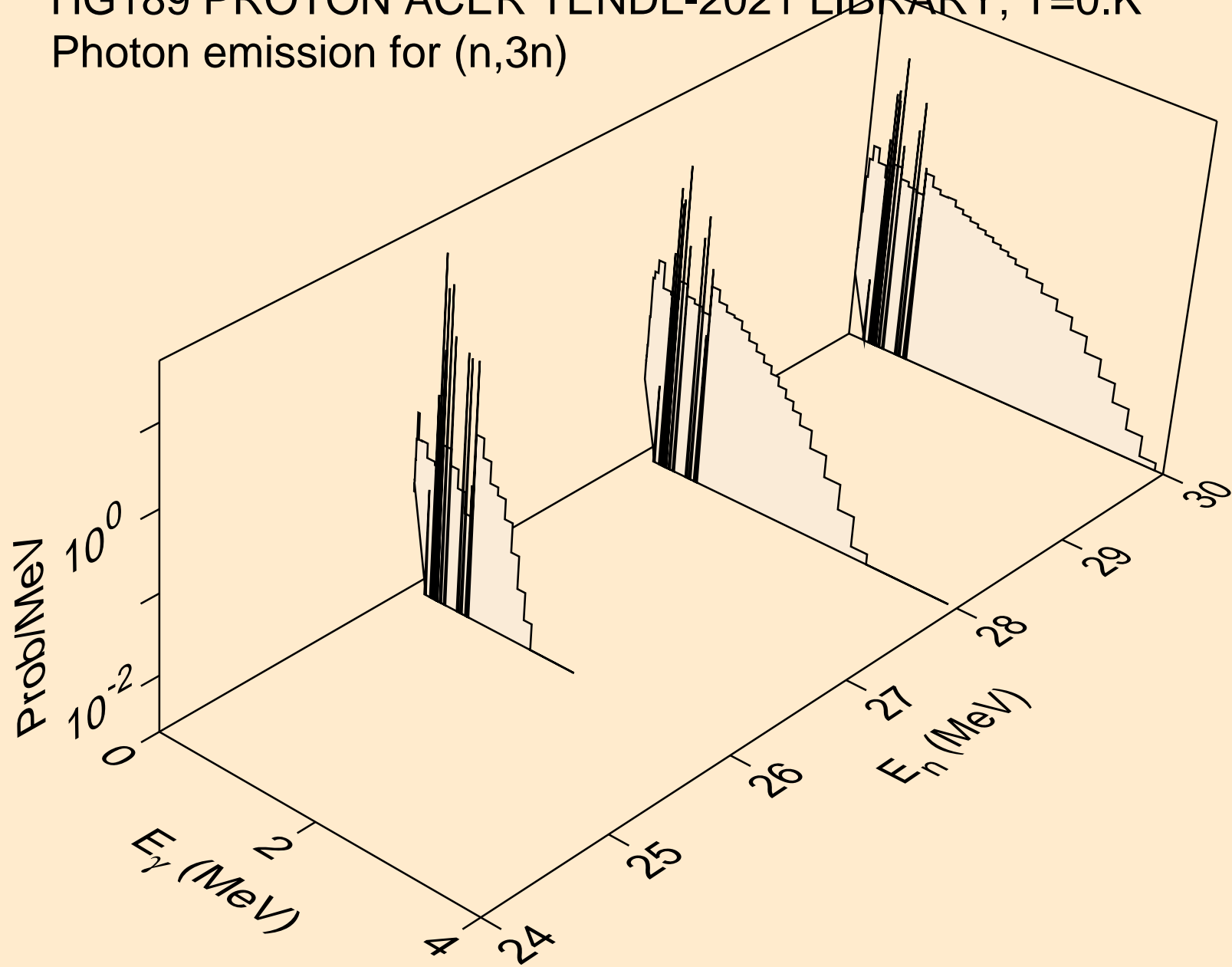


HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)

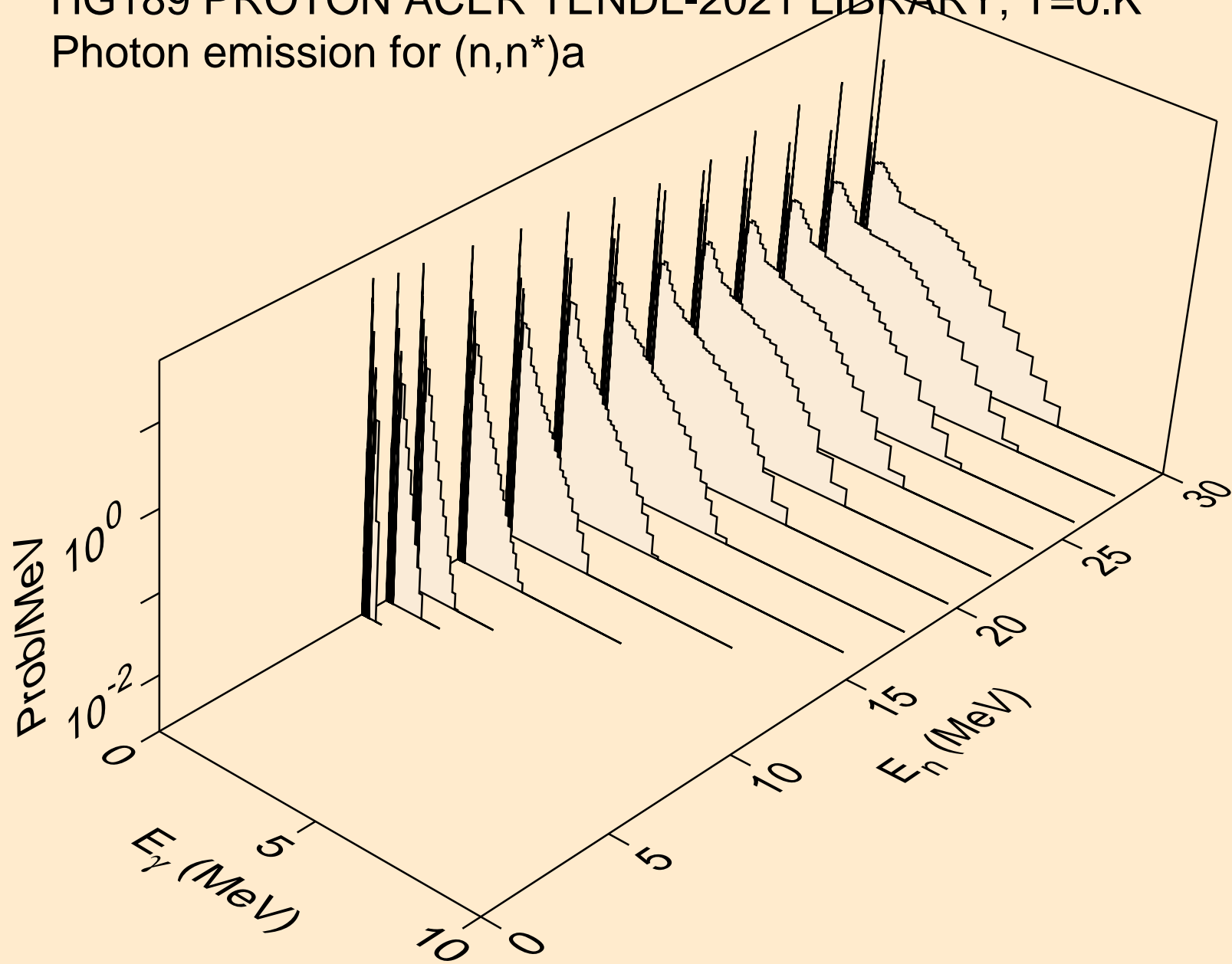




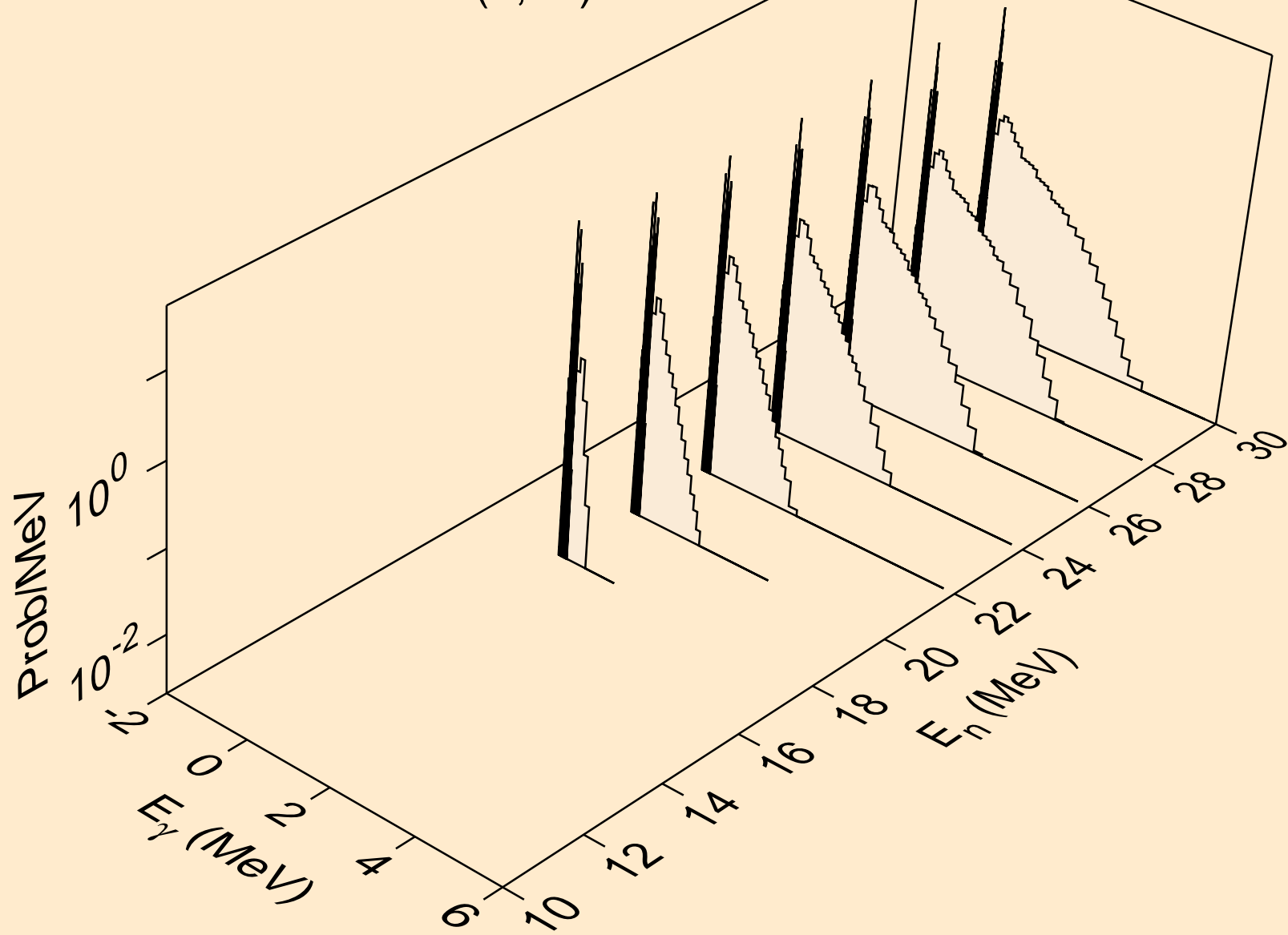
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)



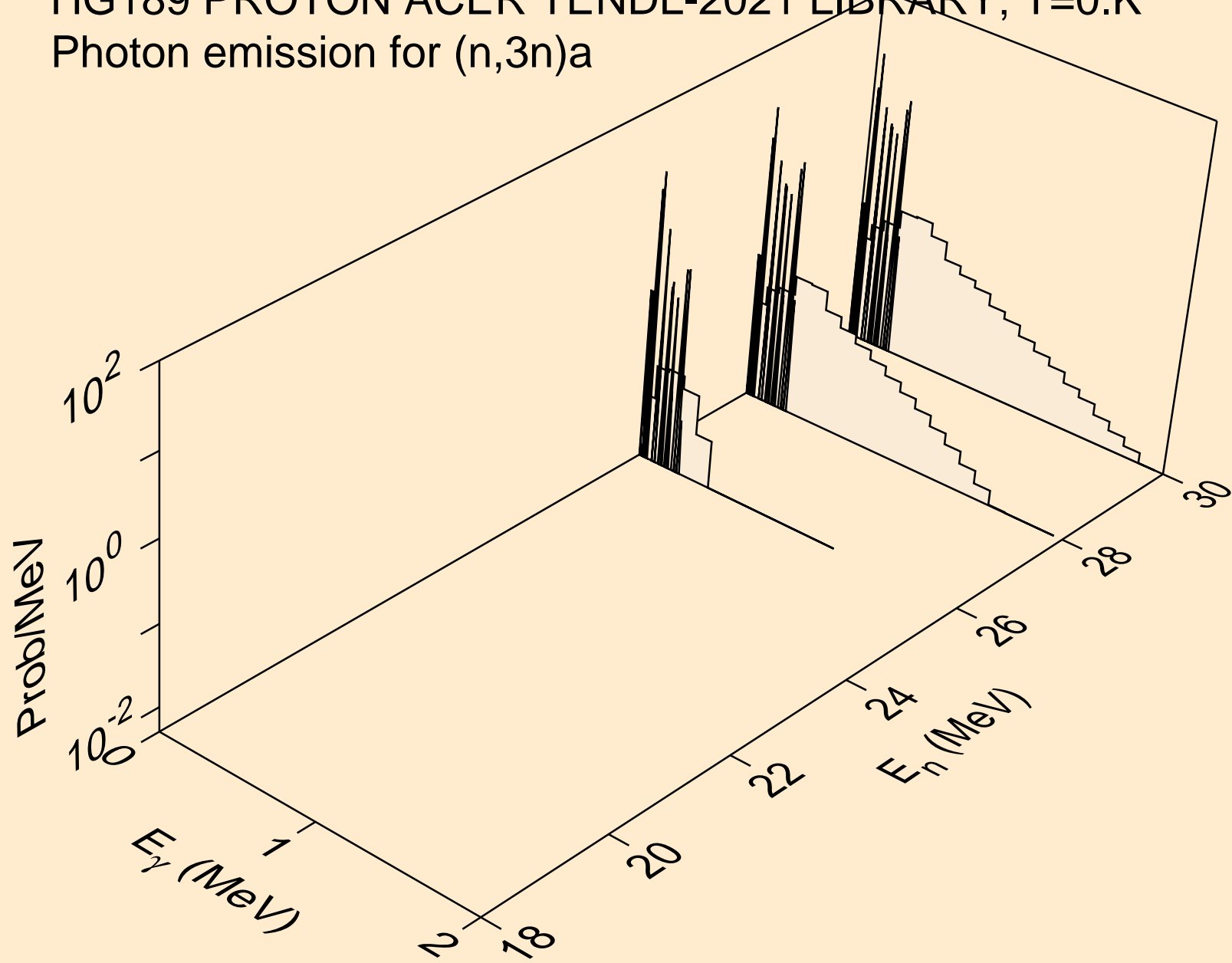
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



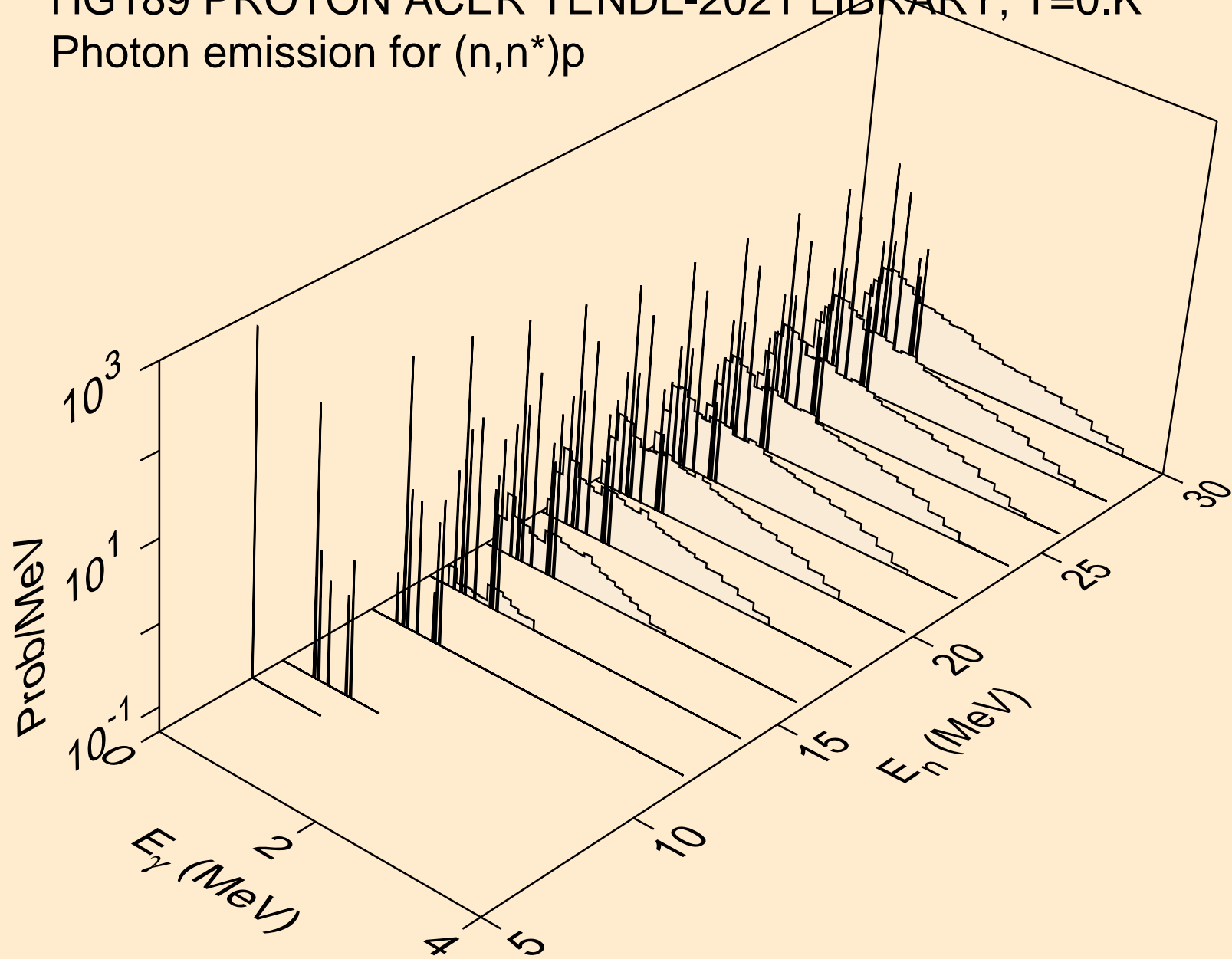
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)a



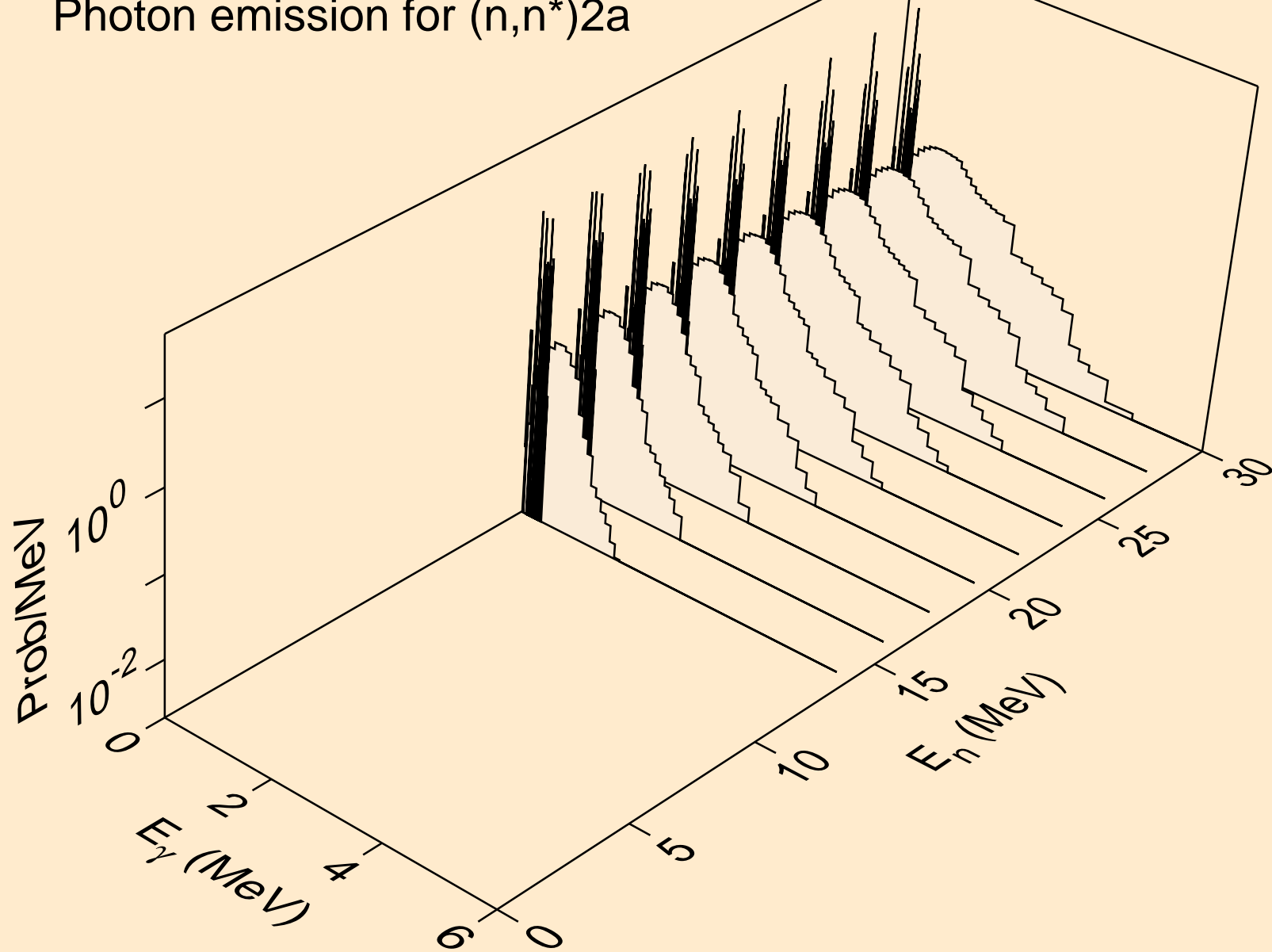
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)a



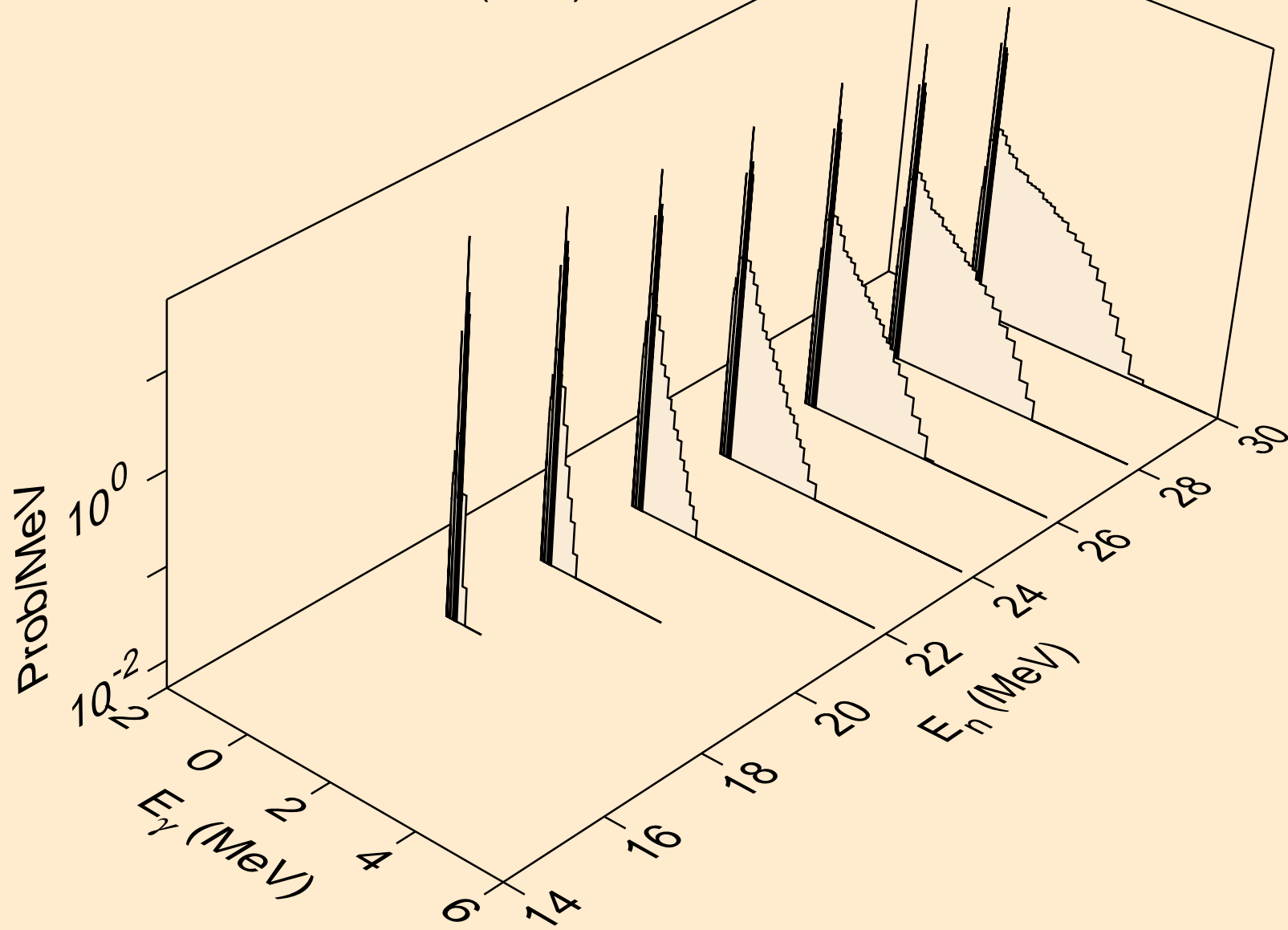
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



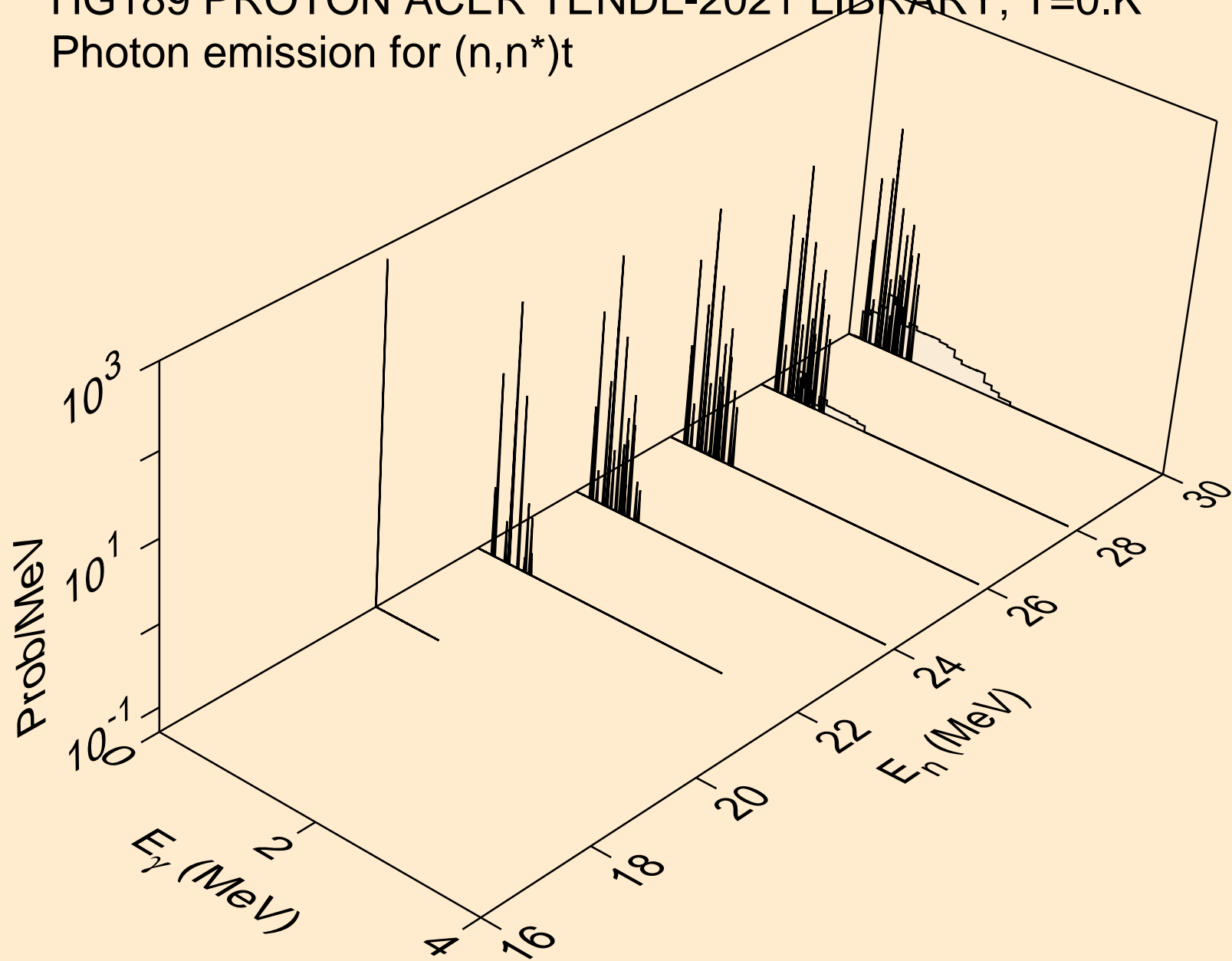
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

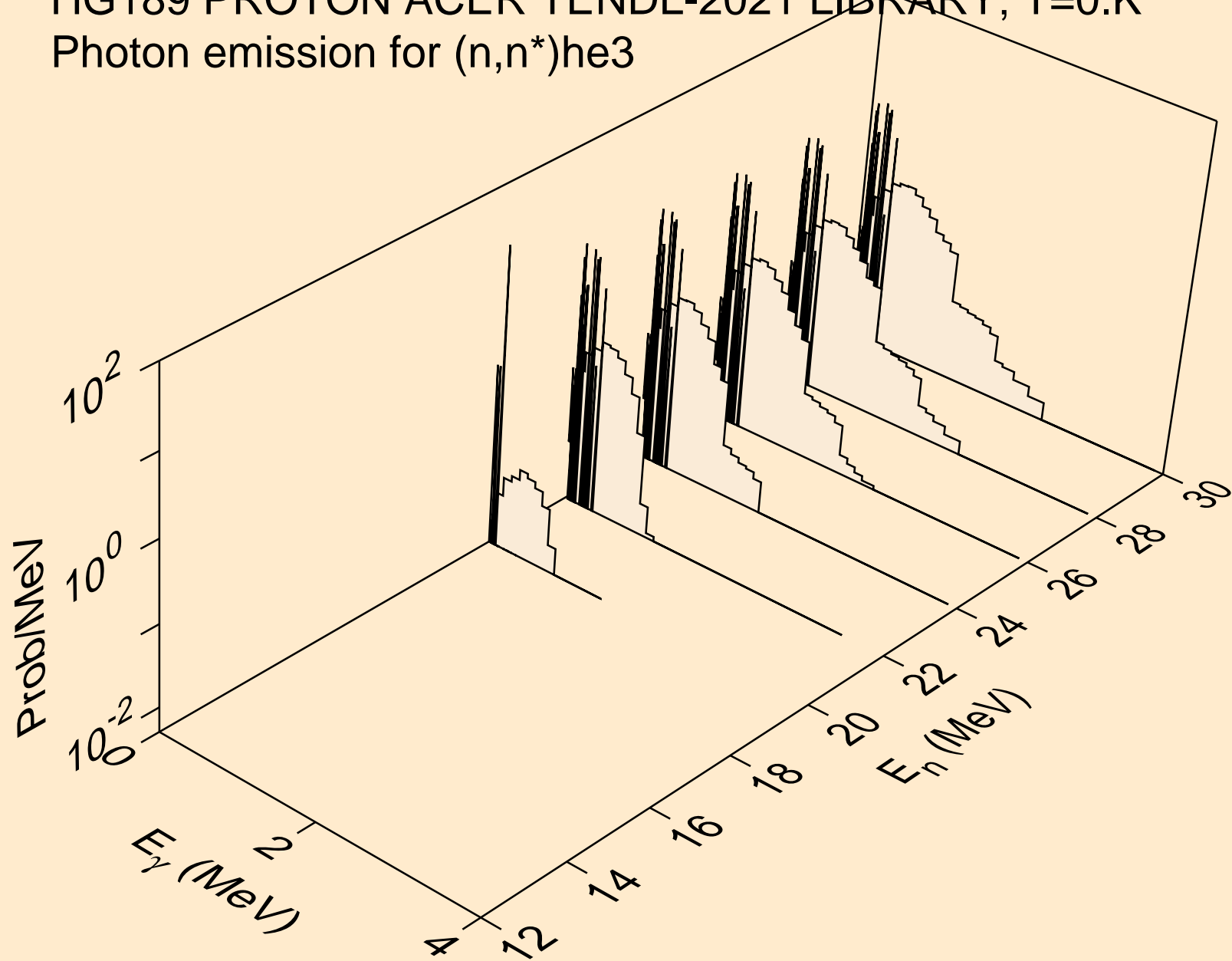


HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

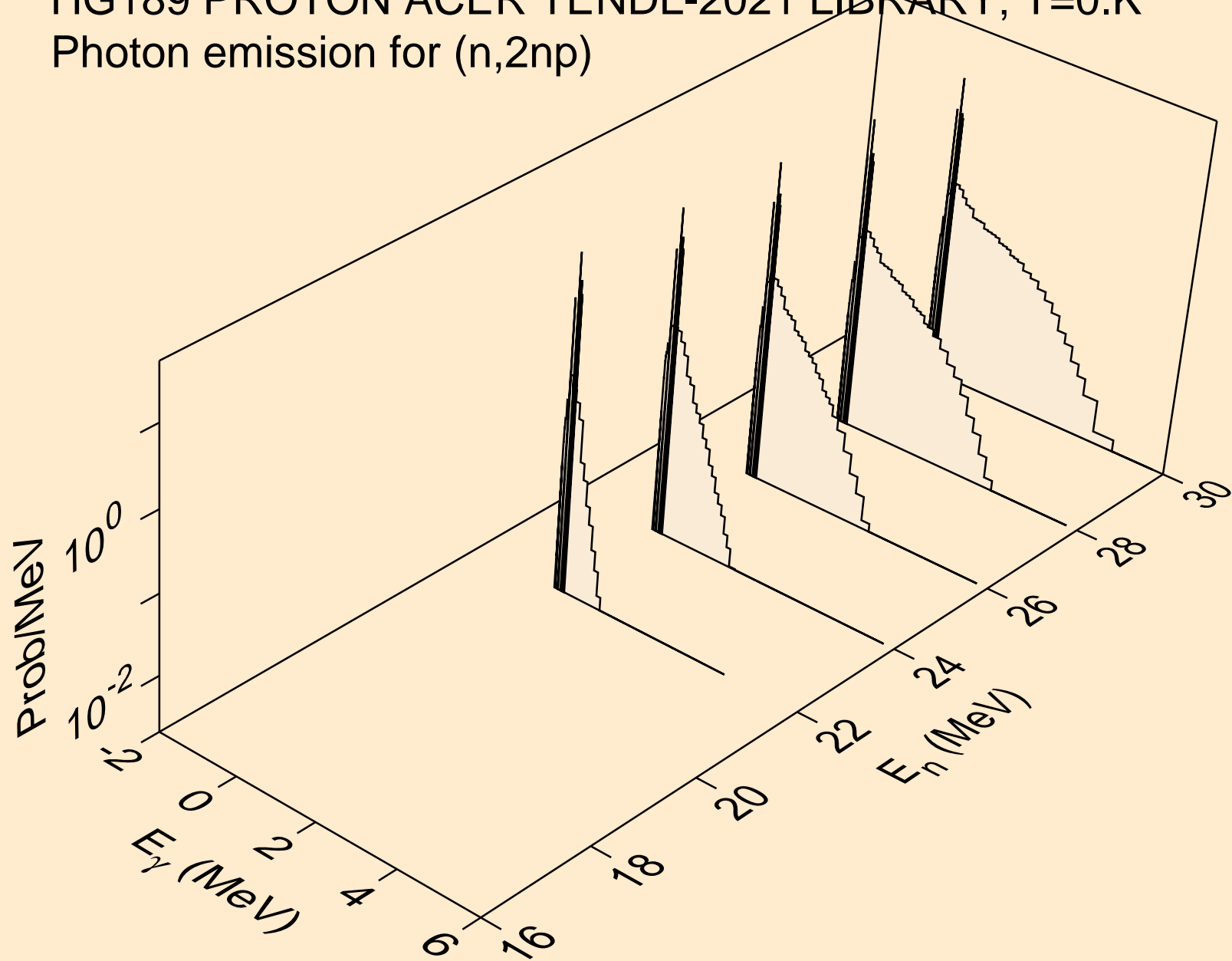




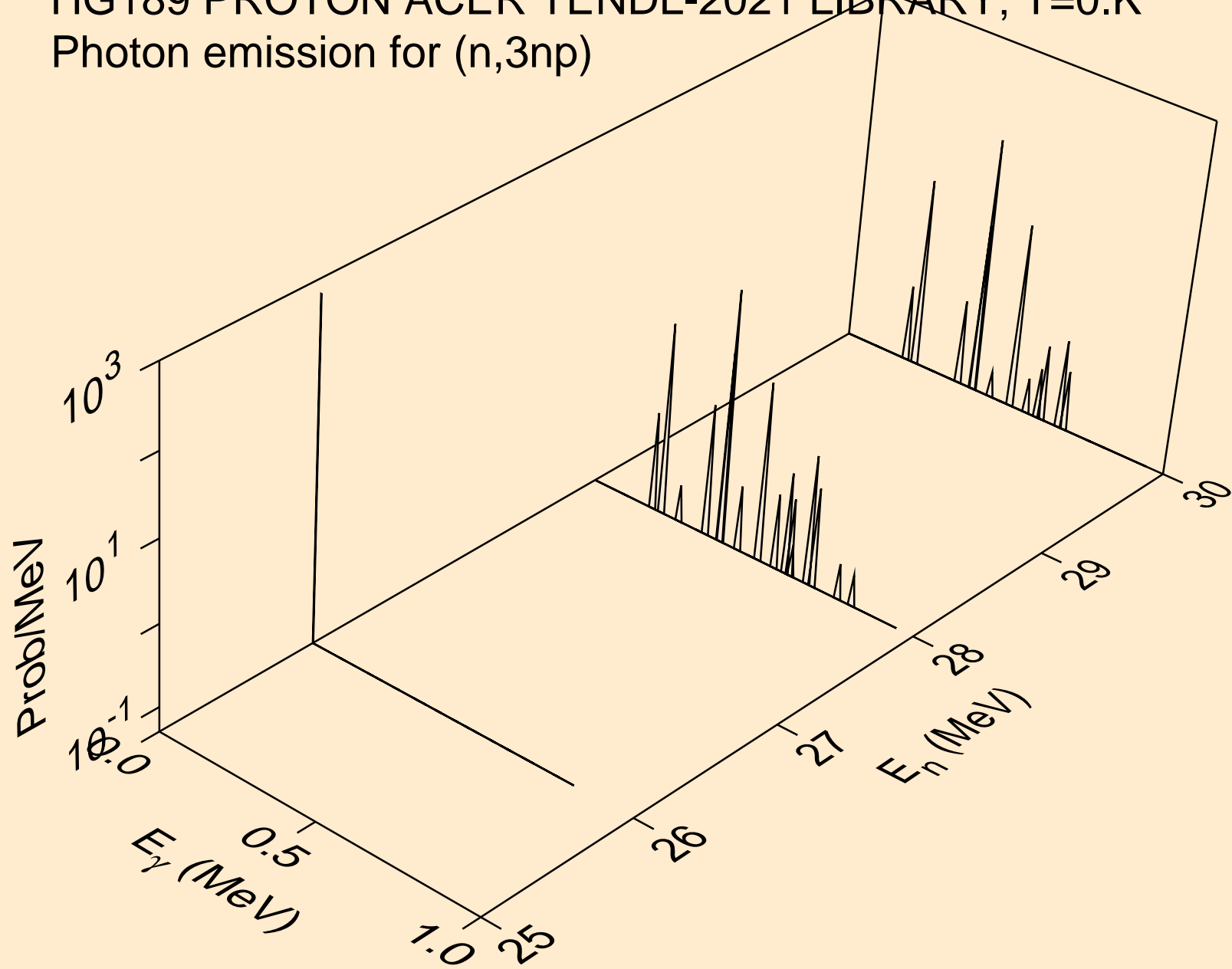
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



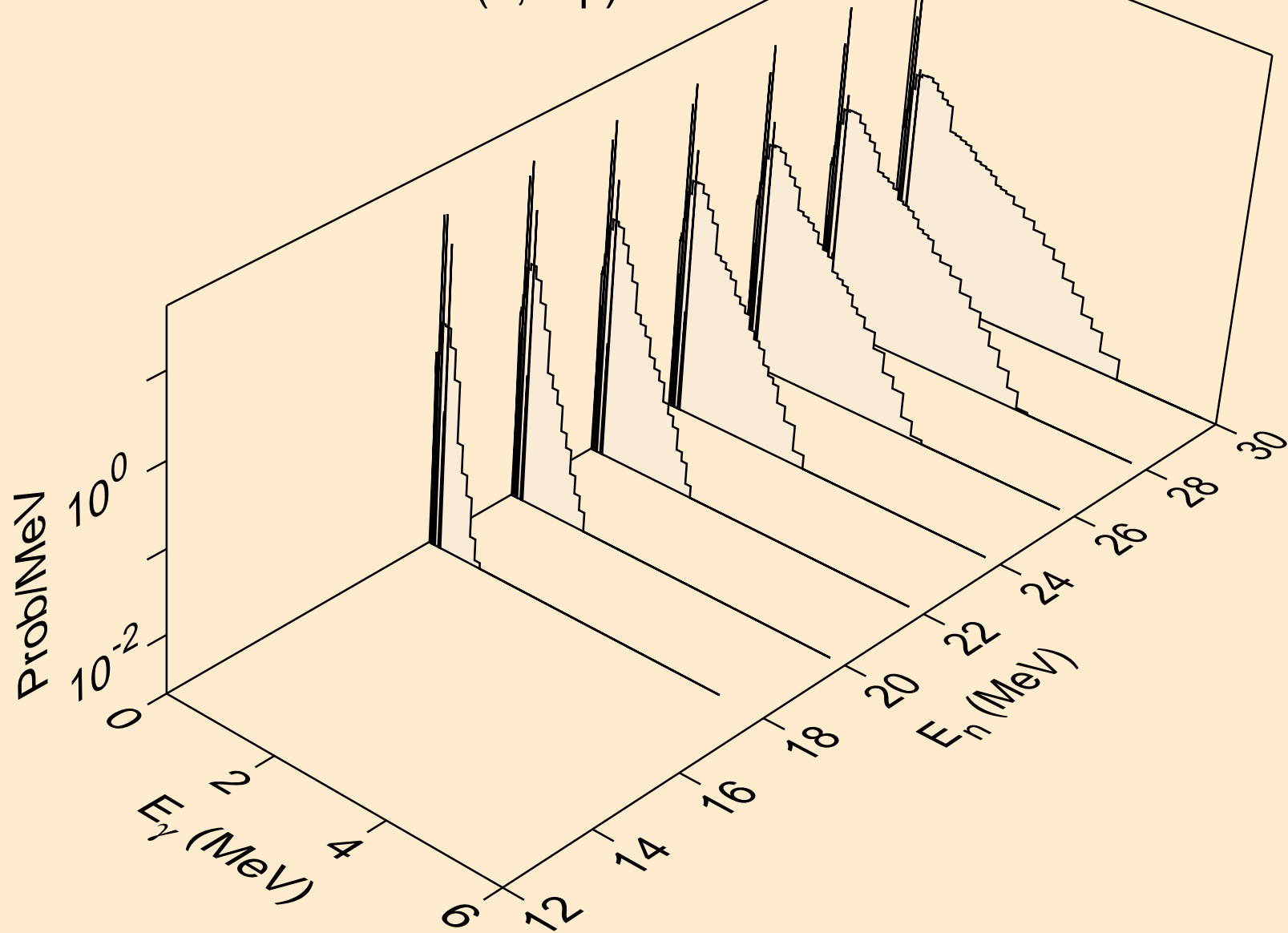
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Photon emission for (n,2np)



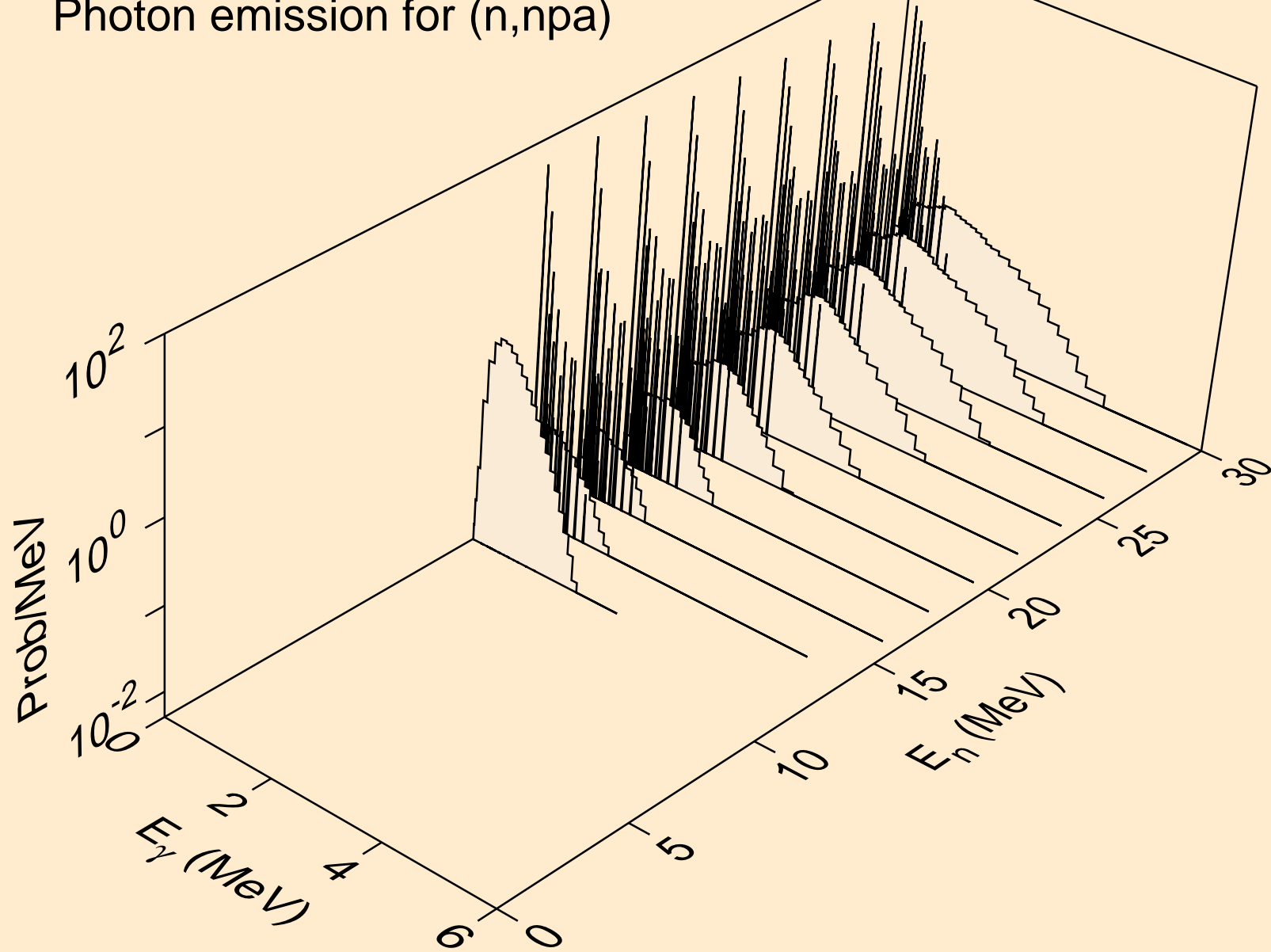
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Photon emission for (n,3np)



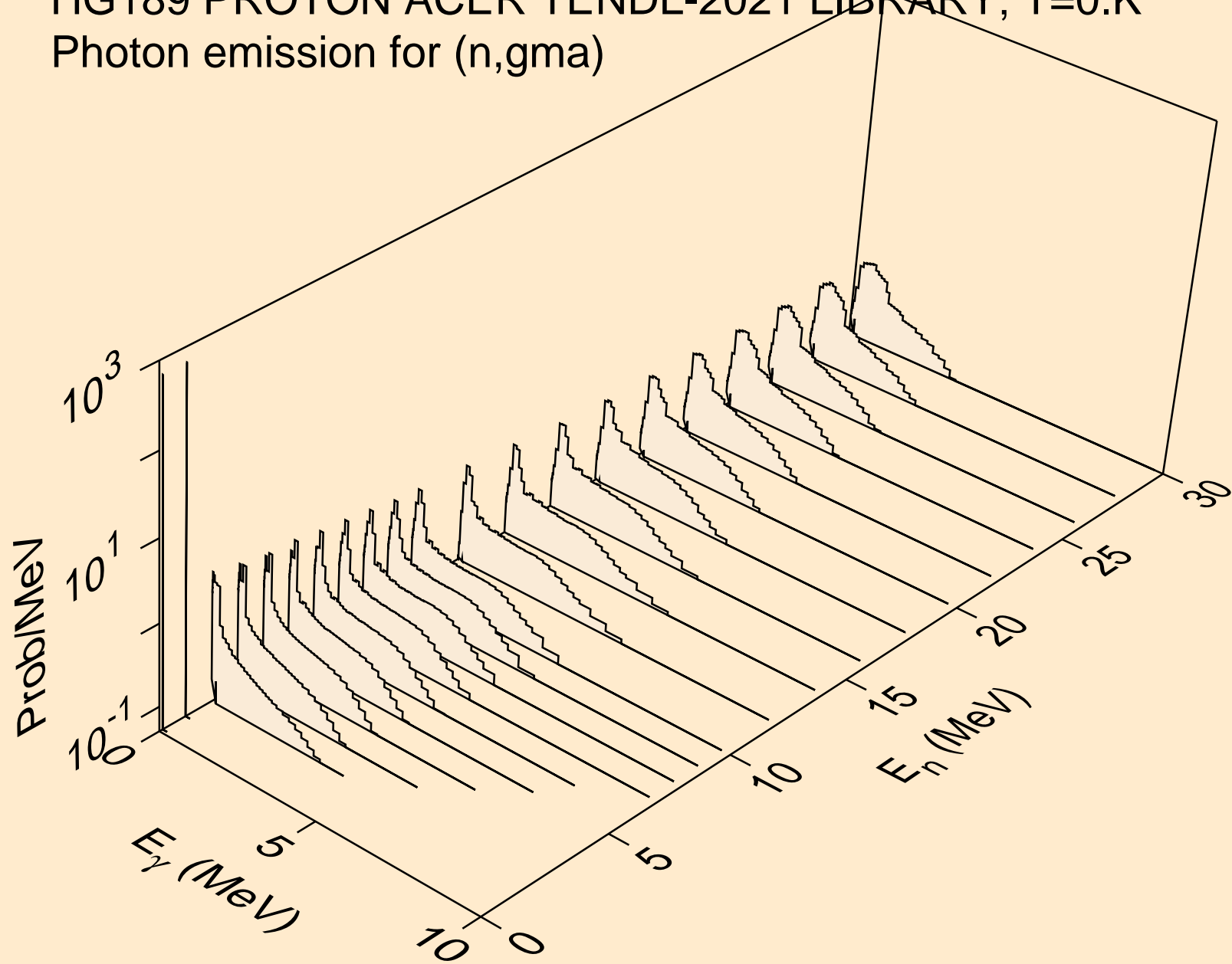
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



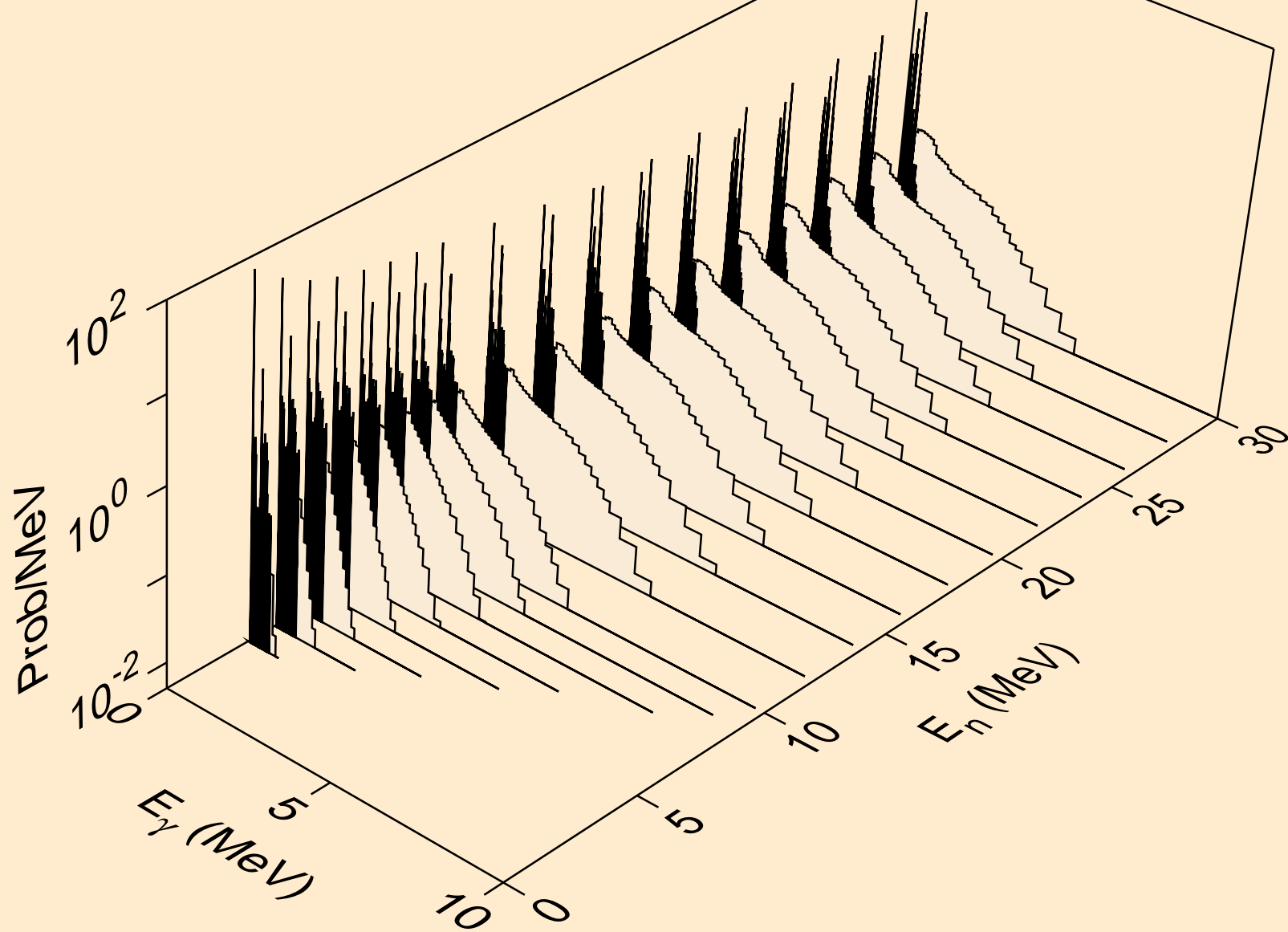
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,npa)



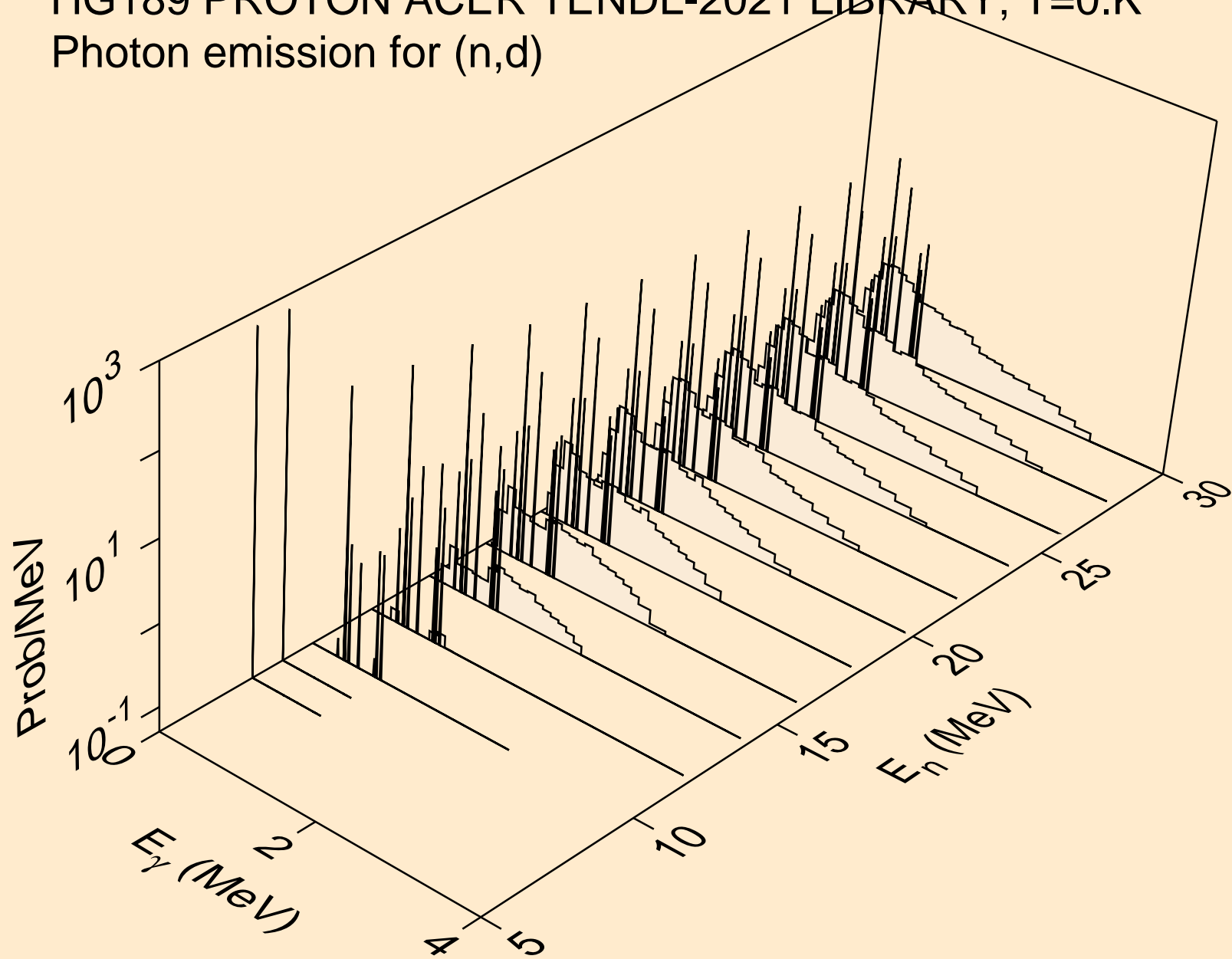
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,gma)



HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic

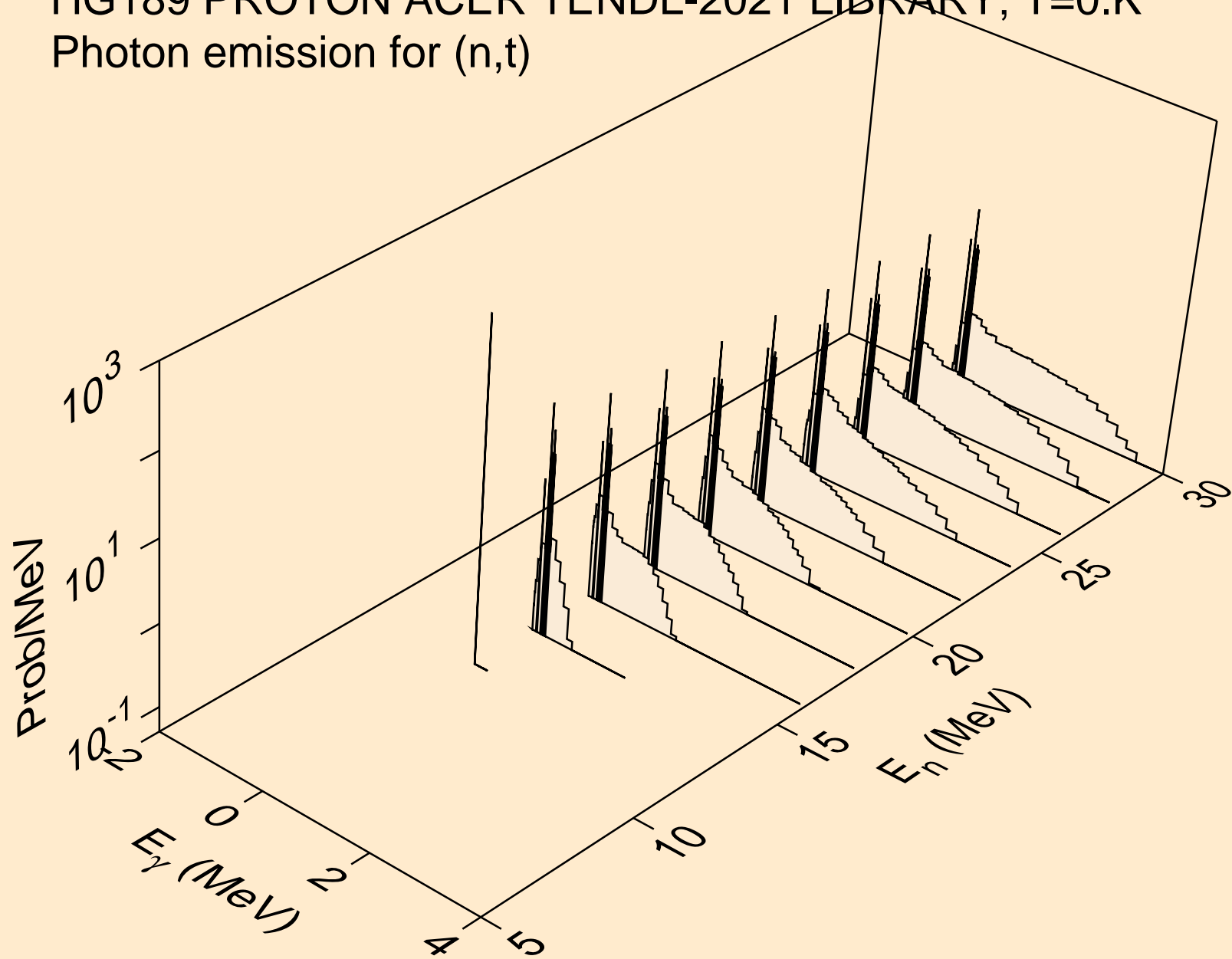


HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,d)

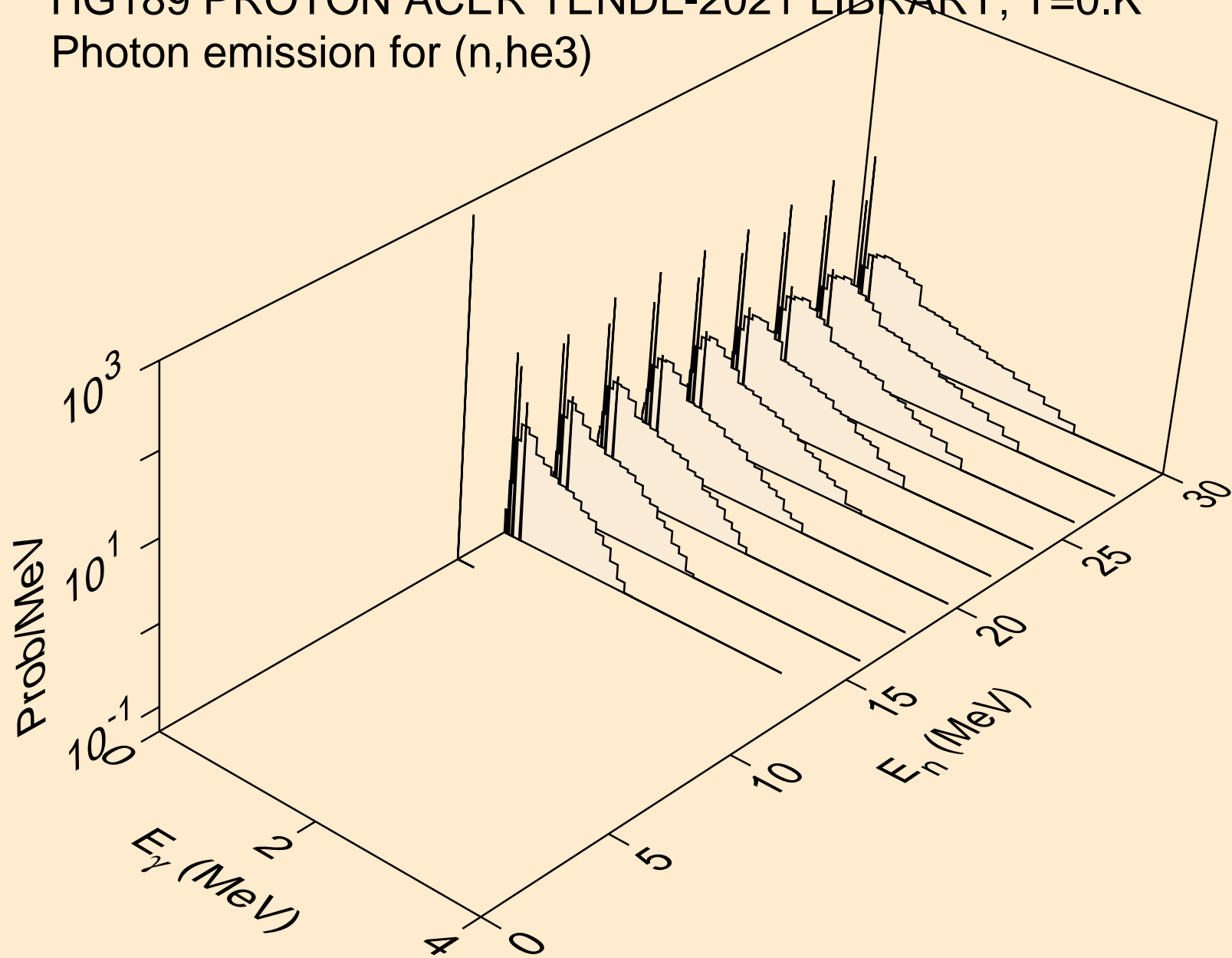




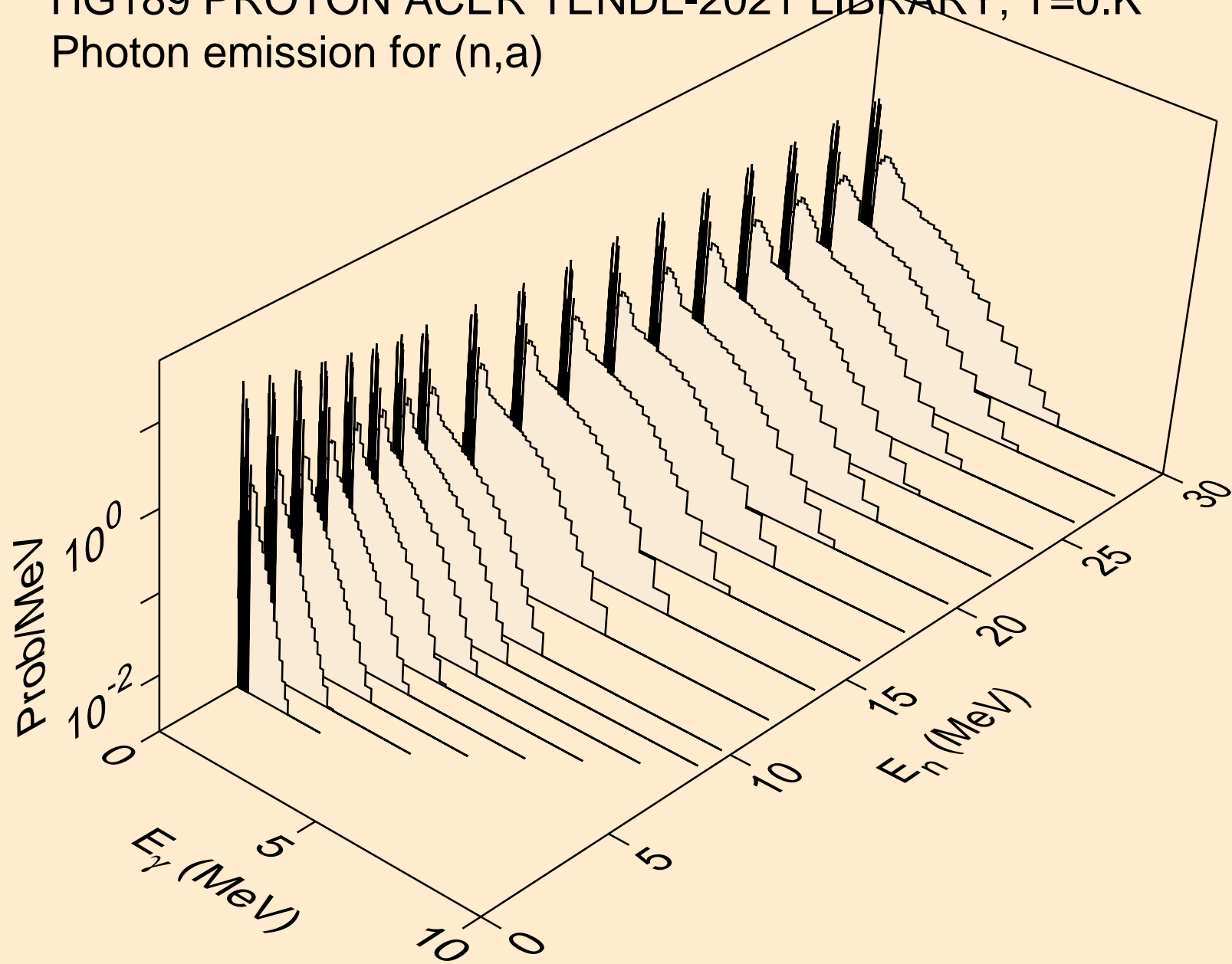
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Photon emission for (n,t)



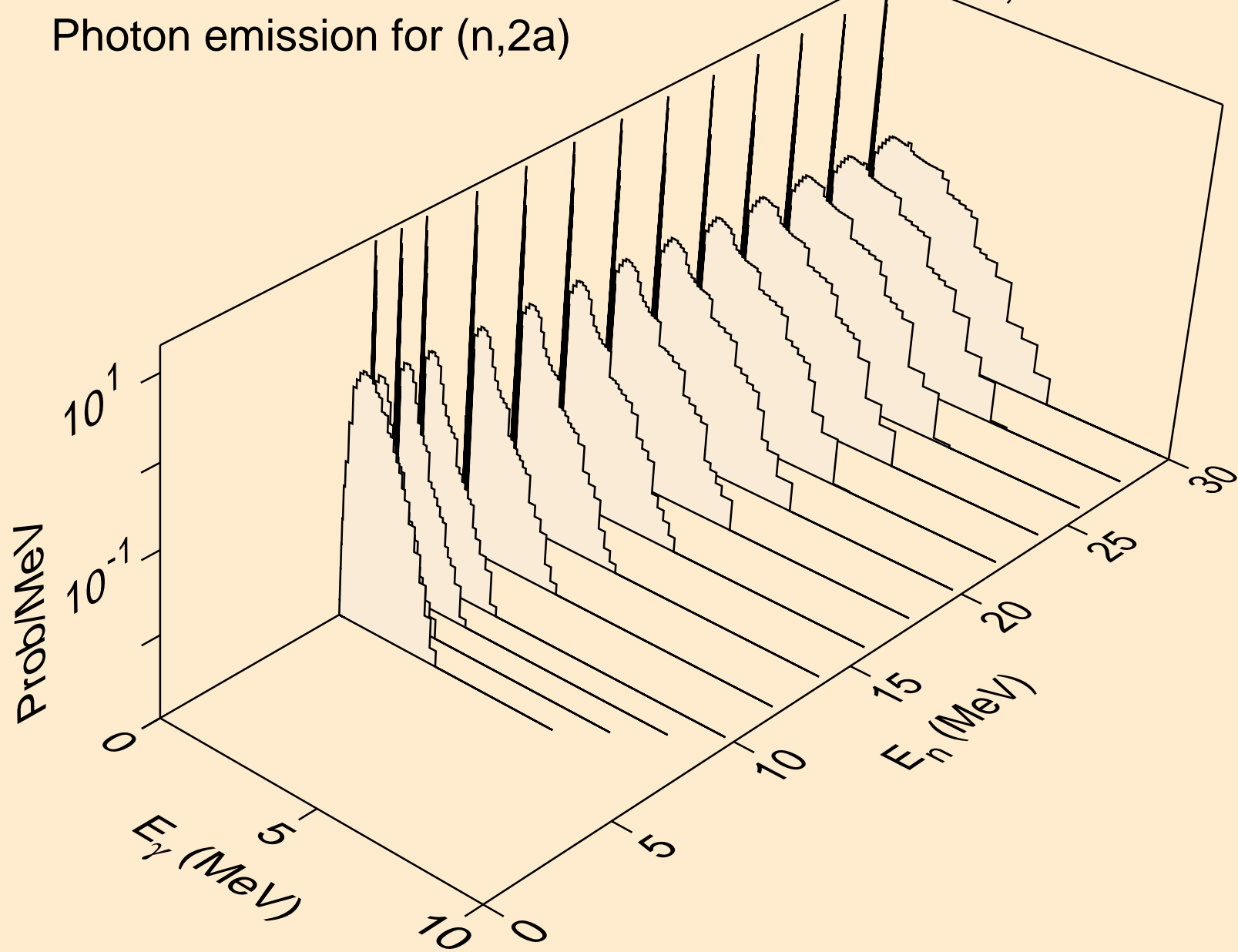
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Photon emission for (n,he3)



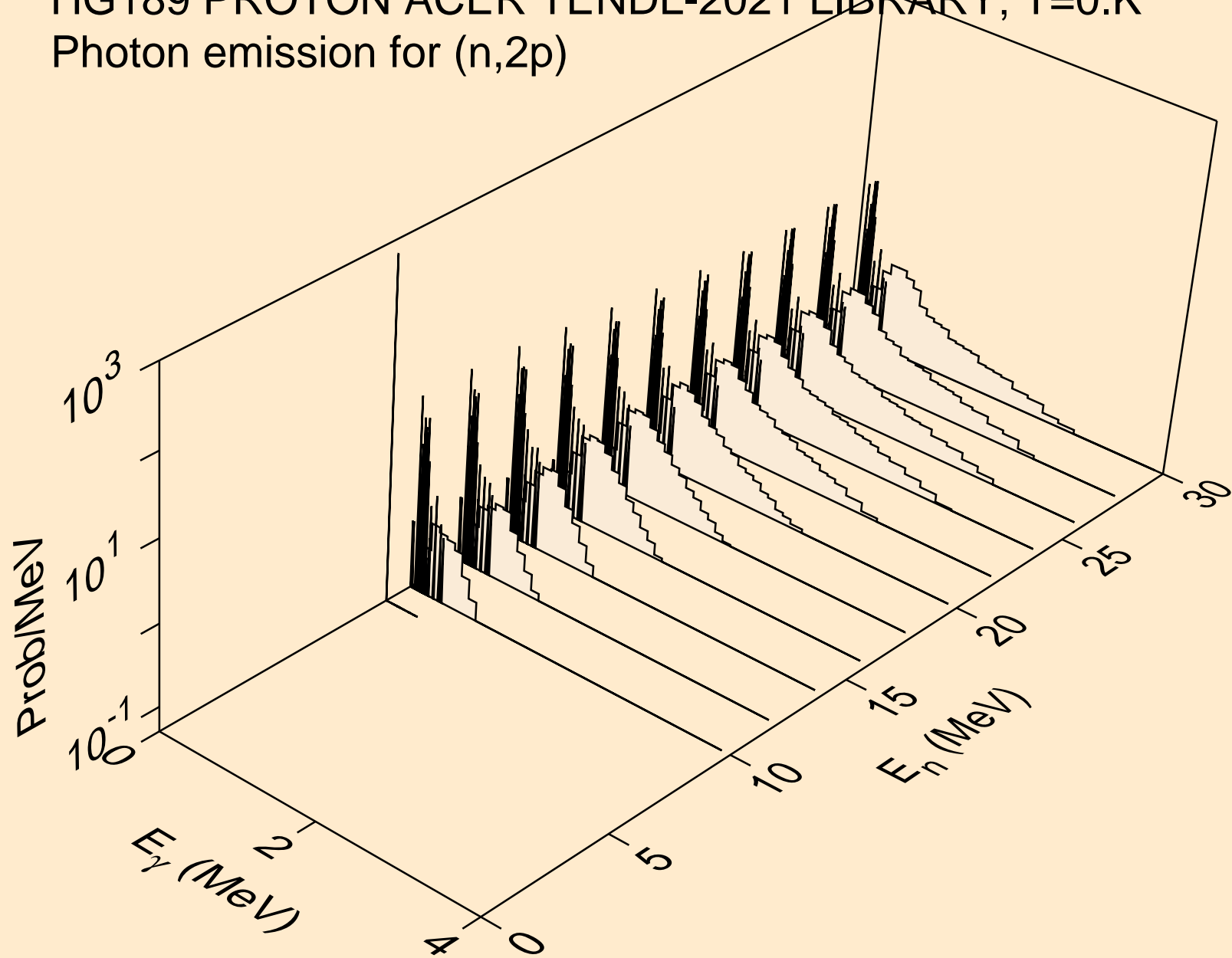
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,a)



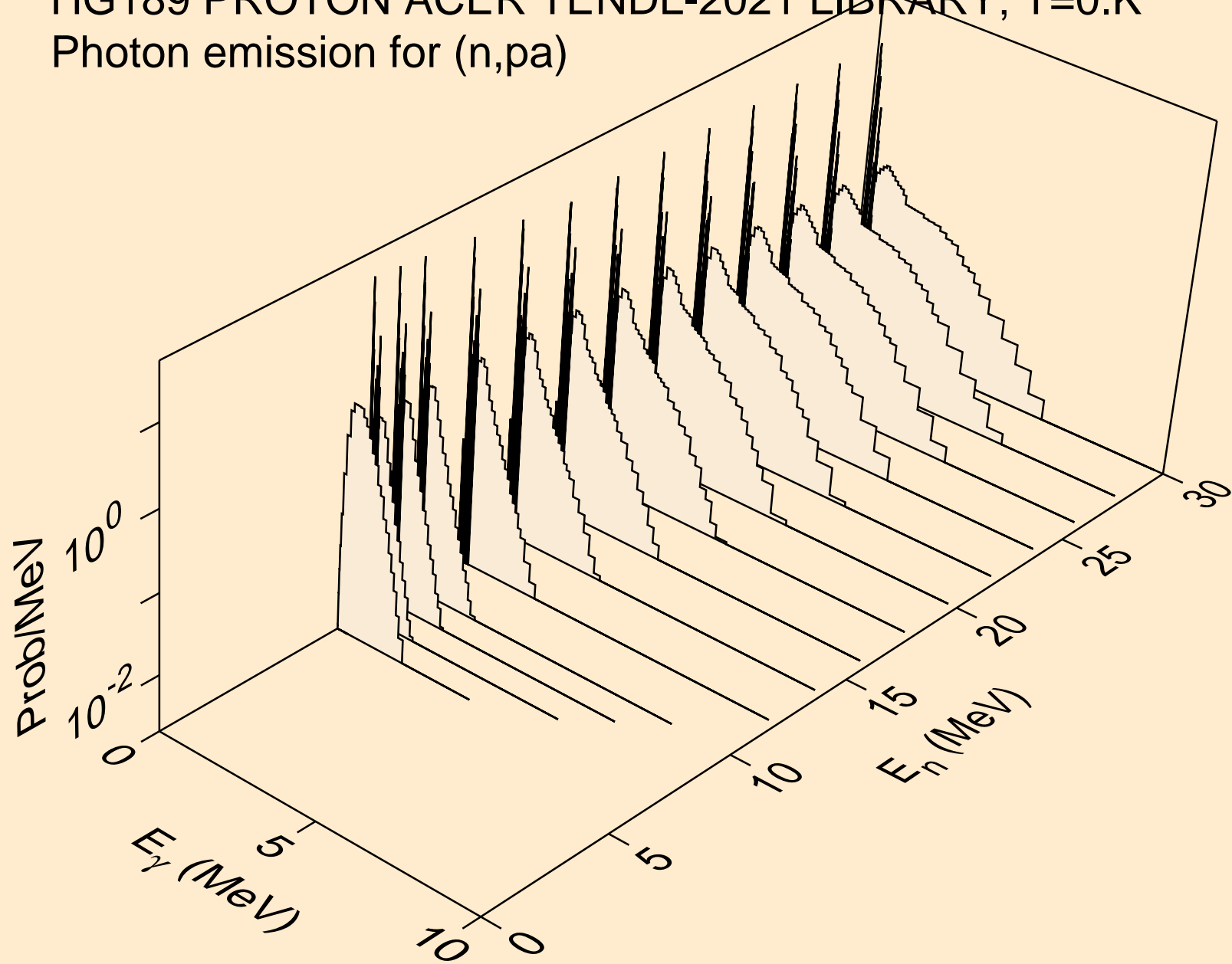
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Photon emission for (n,2a)



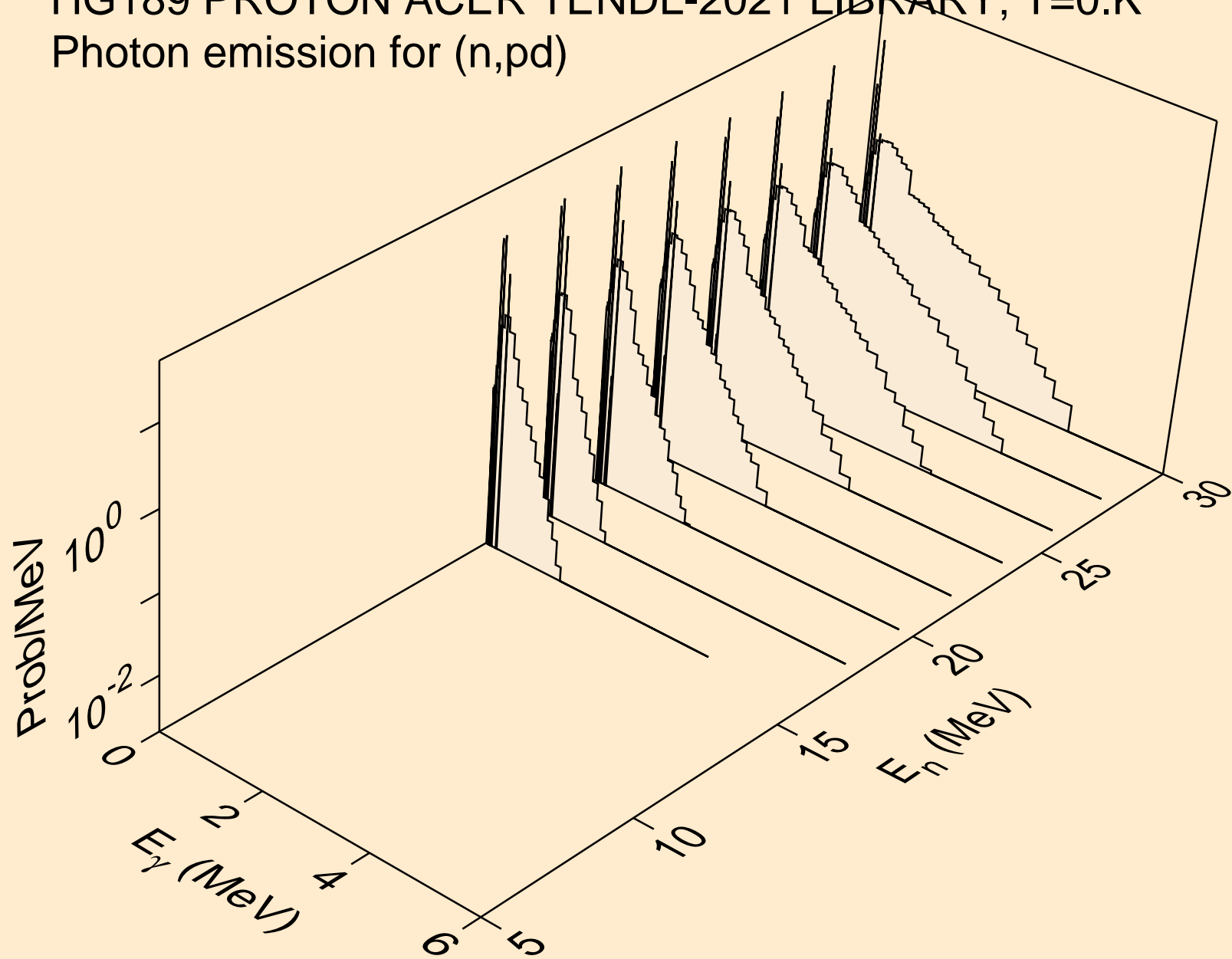
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)



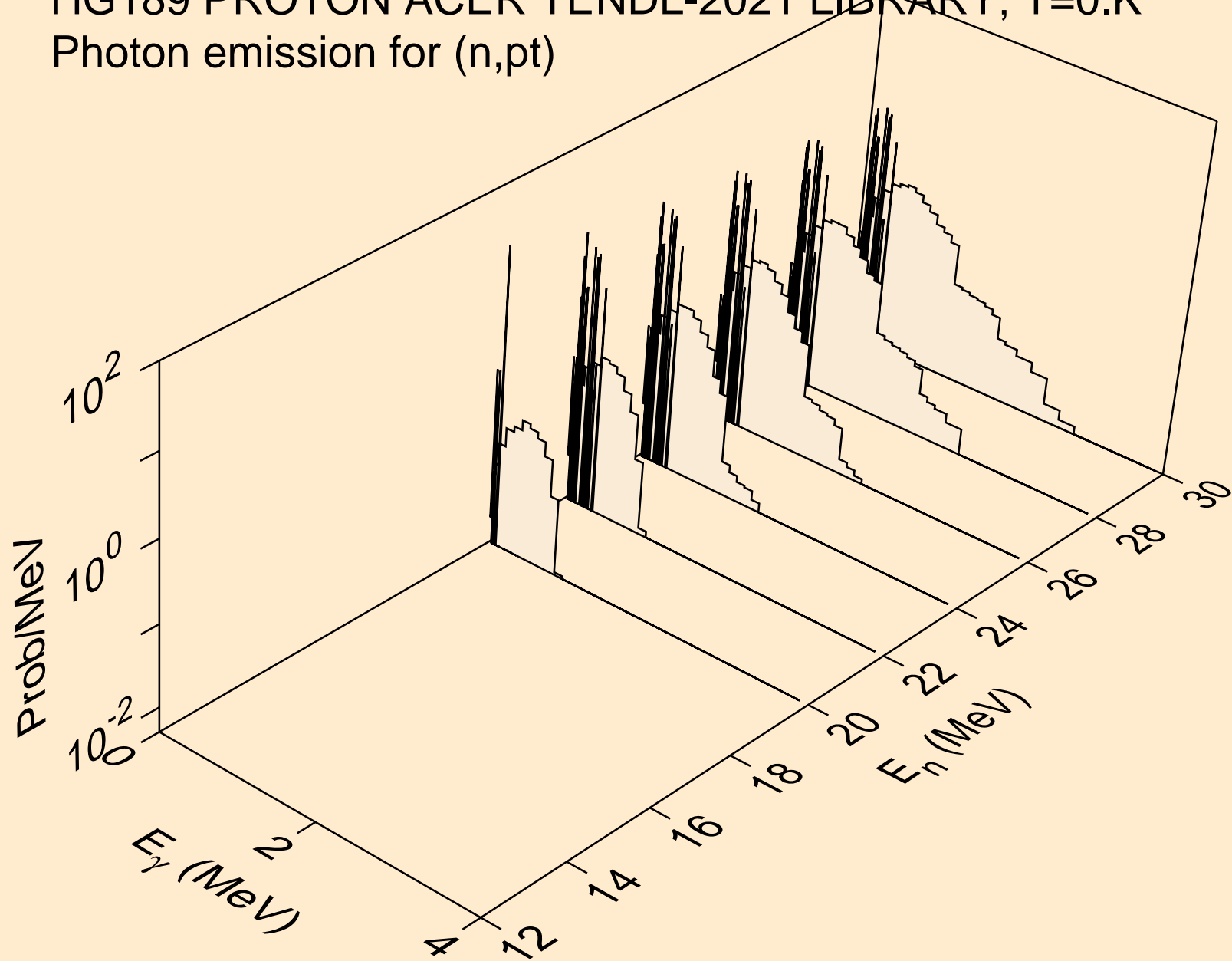
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pa)



HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)

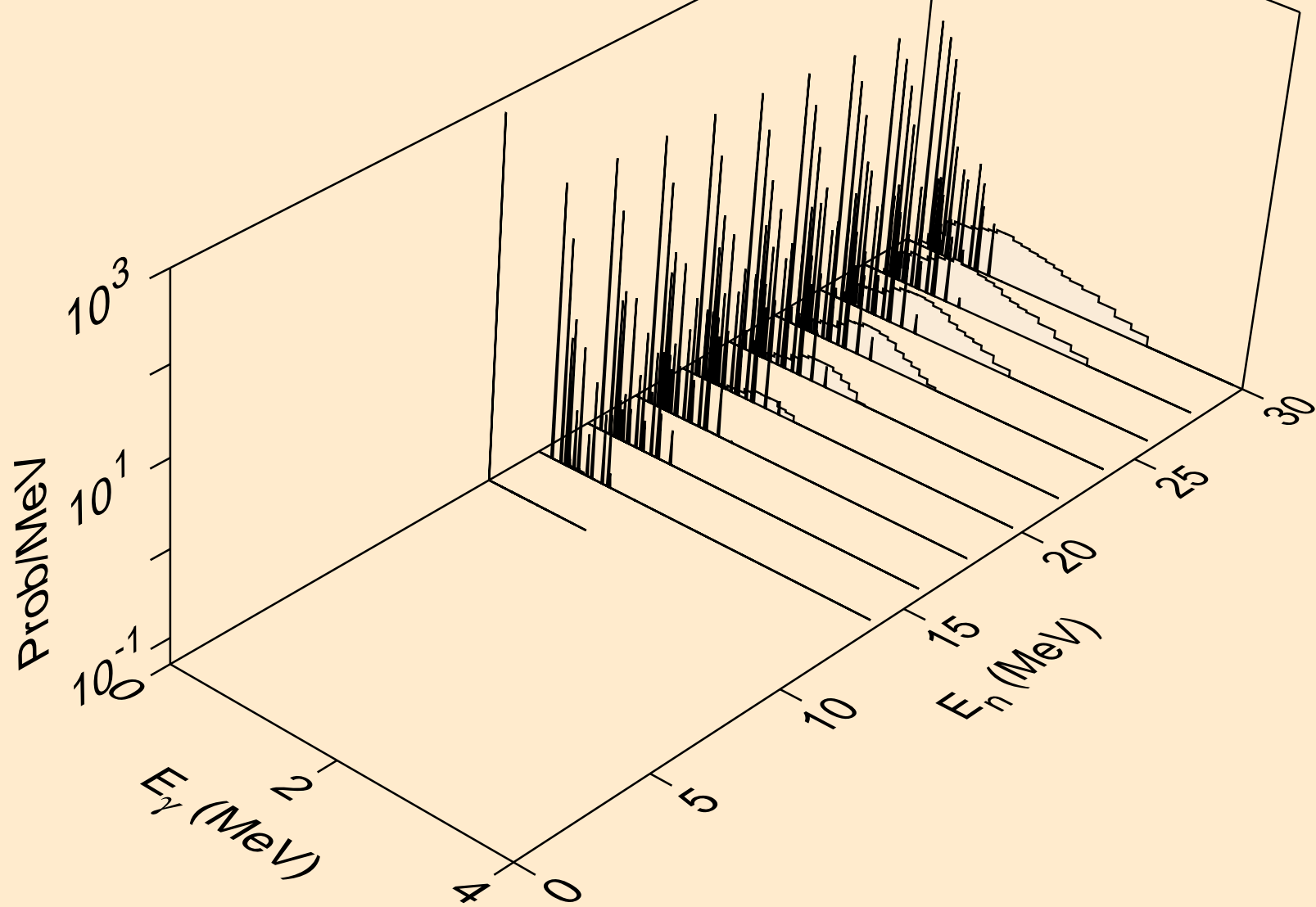


HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)



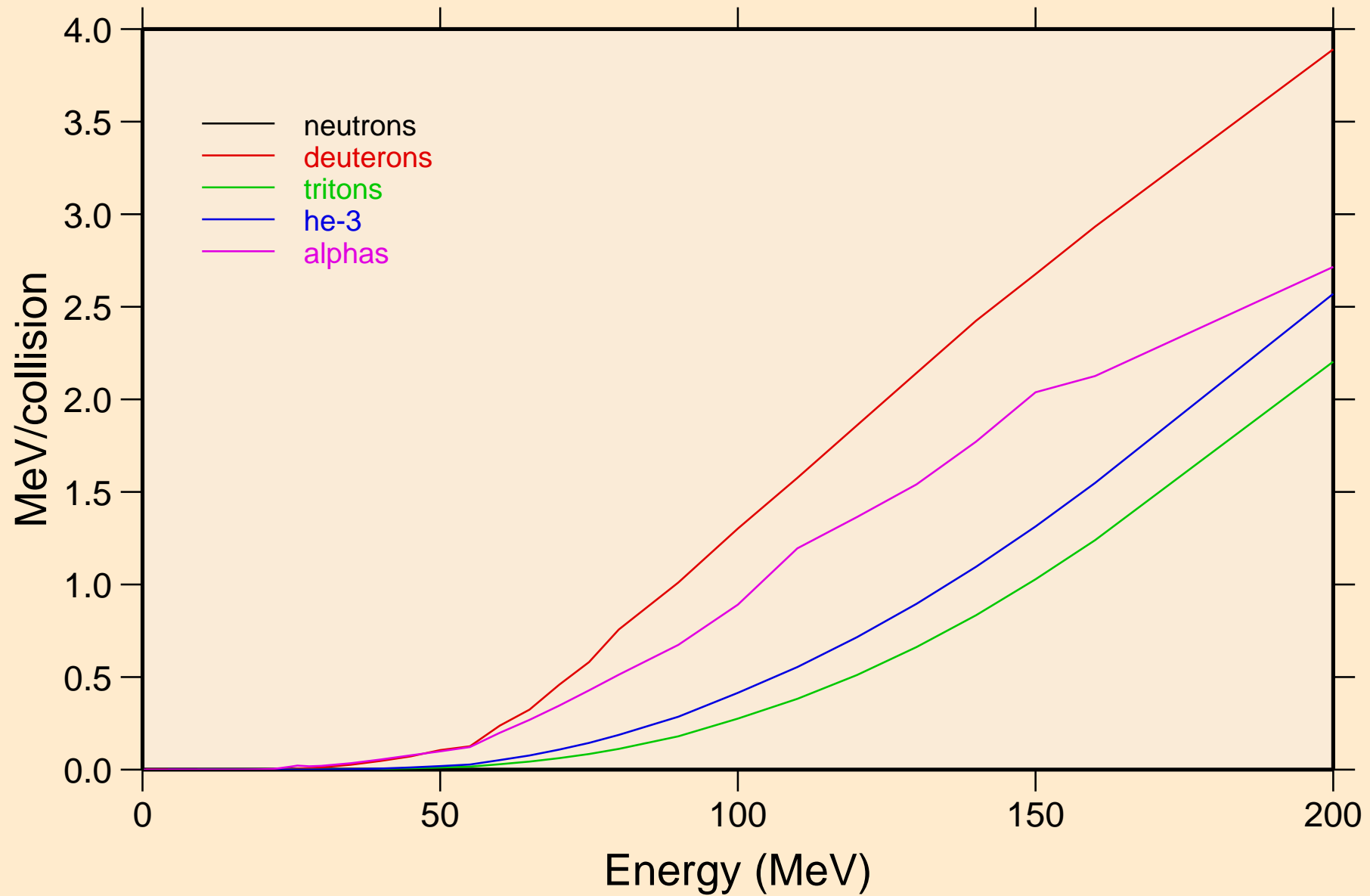


HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,da)

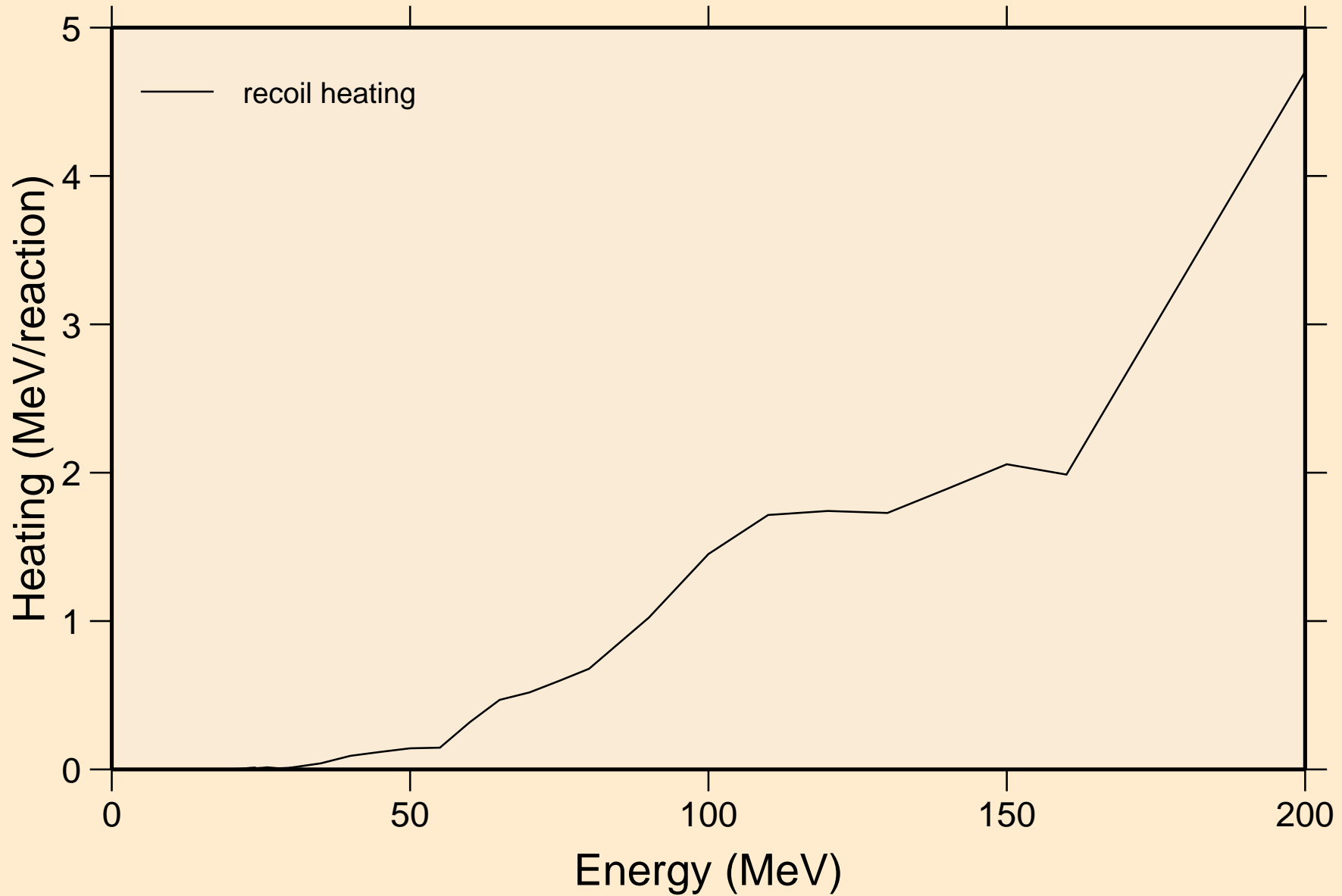


# HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Particle heating contributions

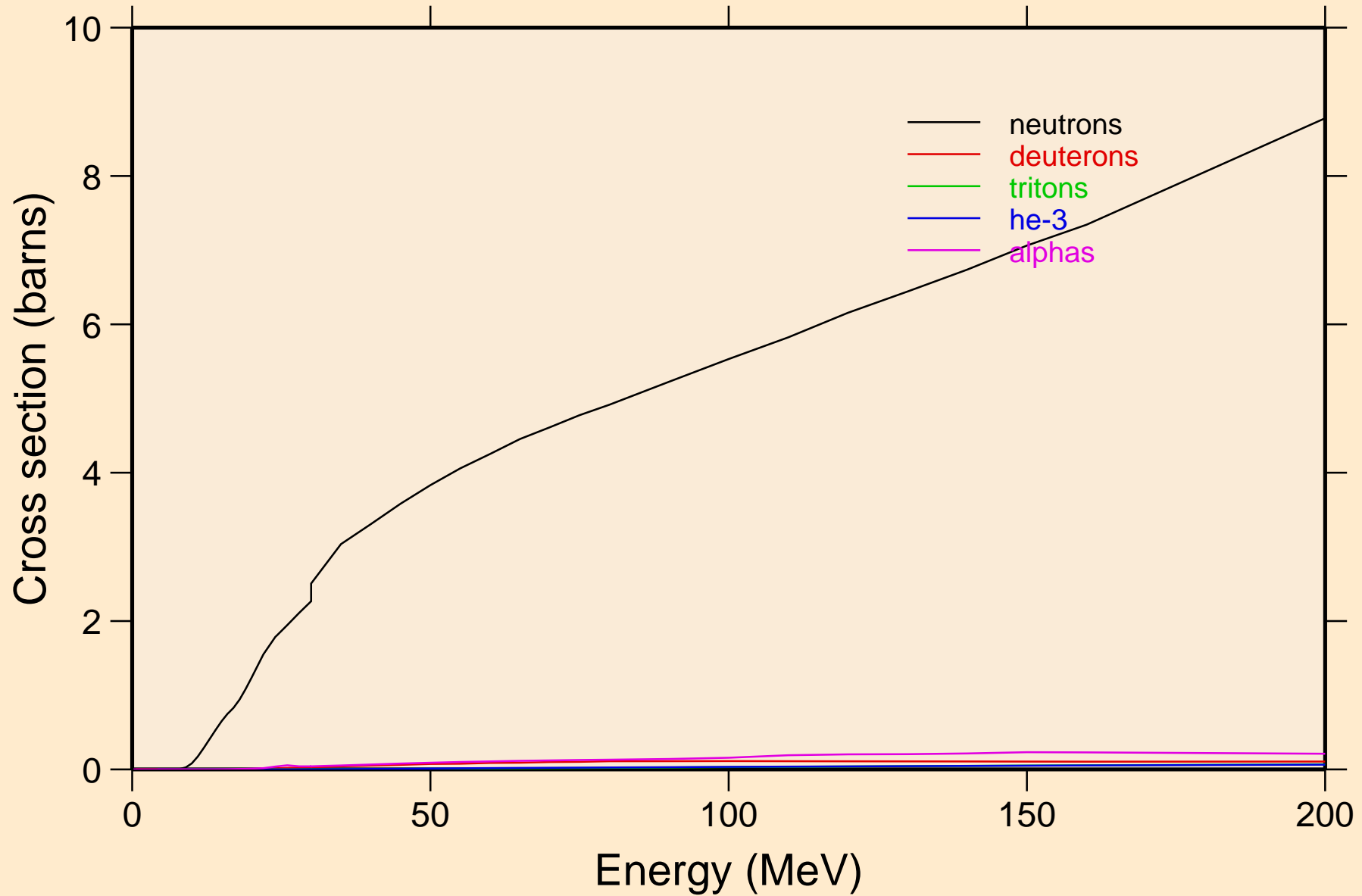


HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Recoil Heating

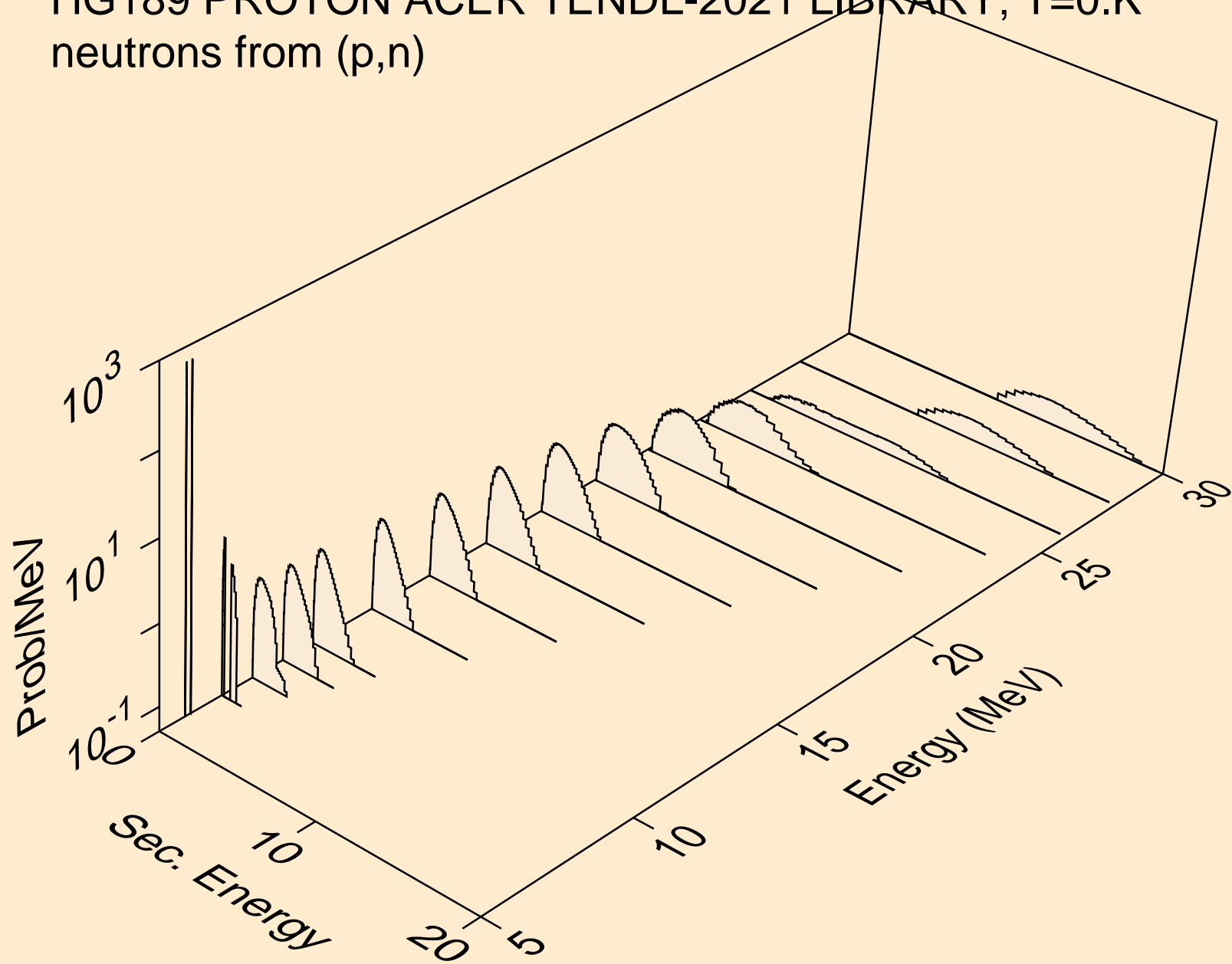


# HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K

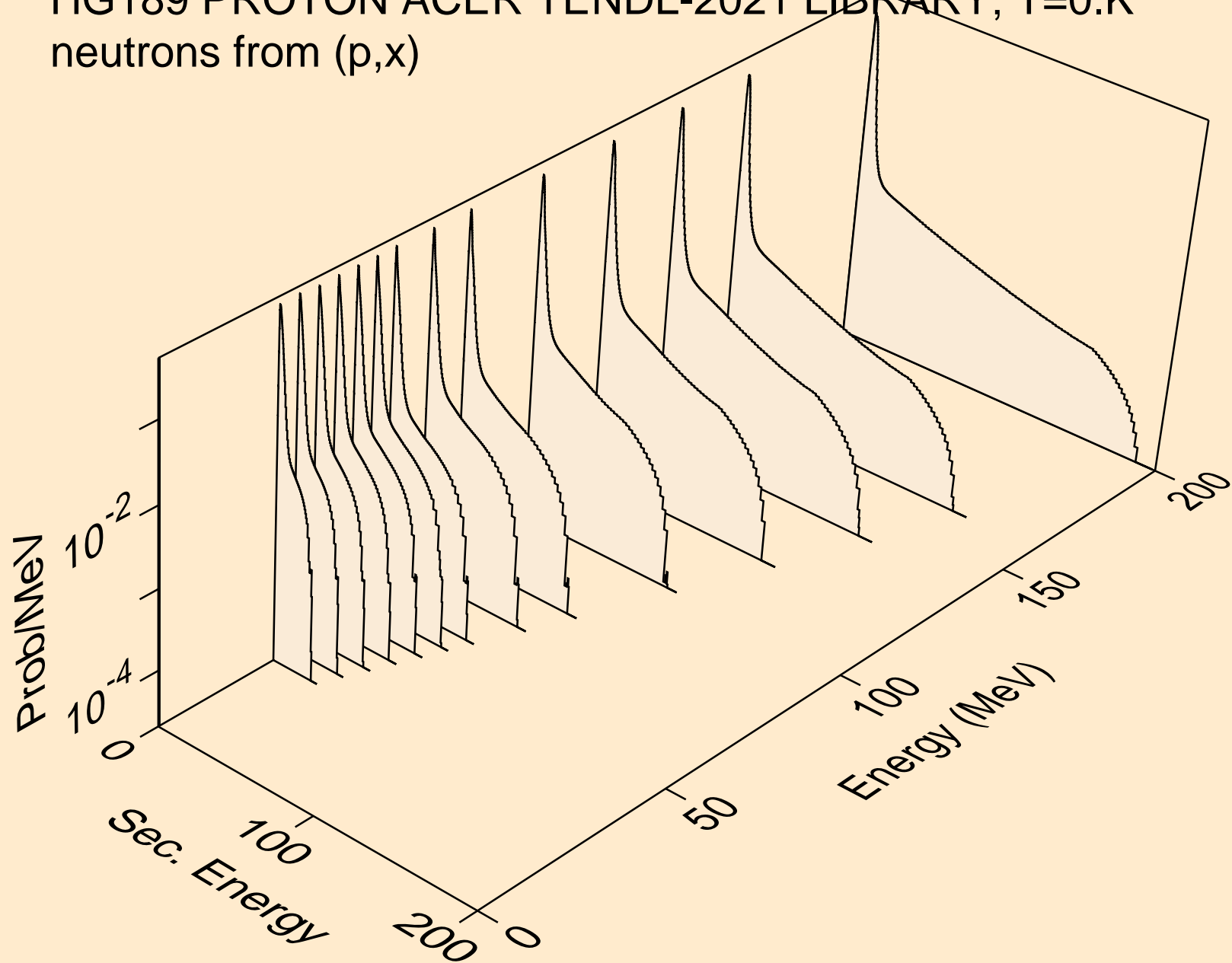
## Particle production cross sections



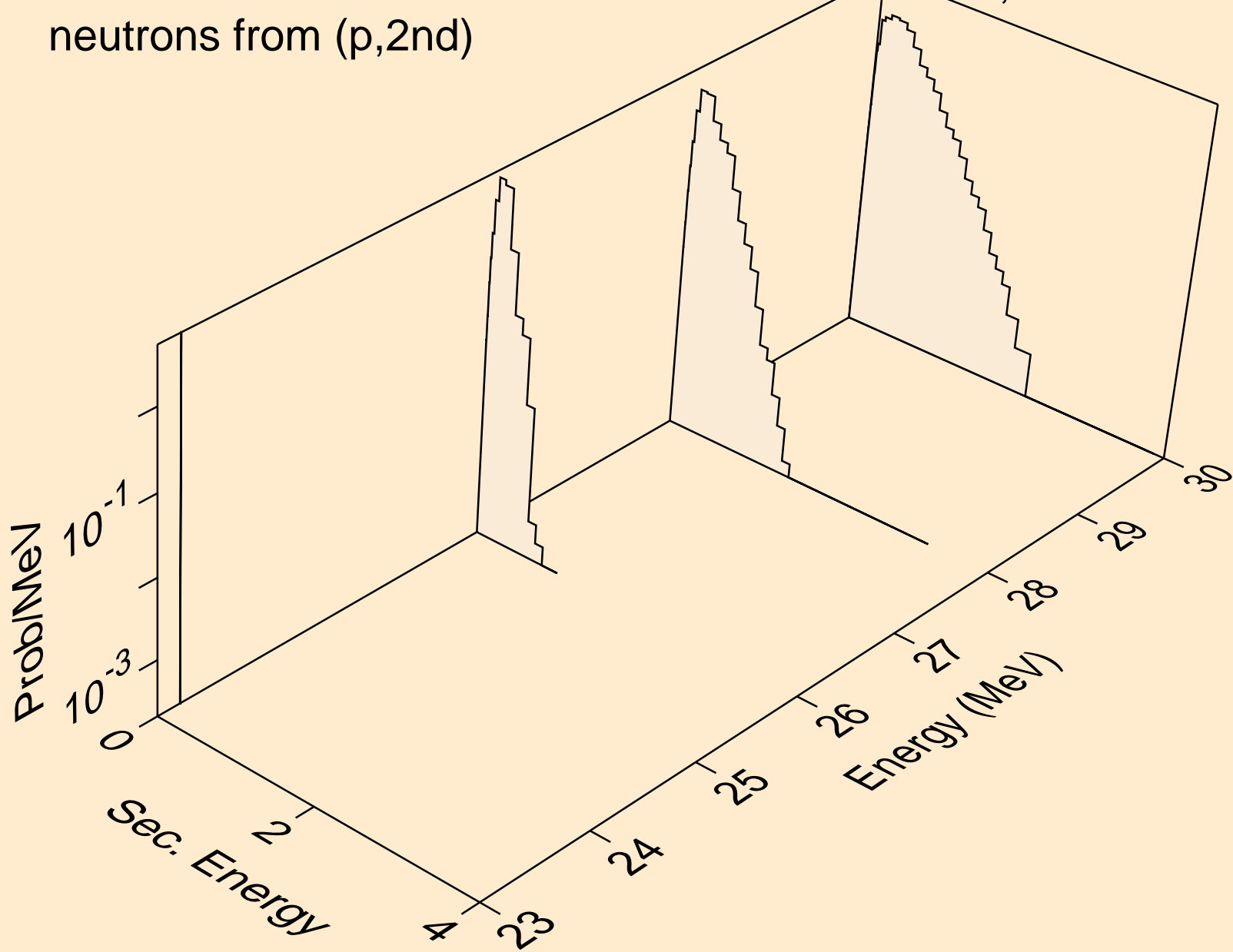
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n)



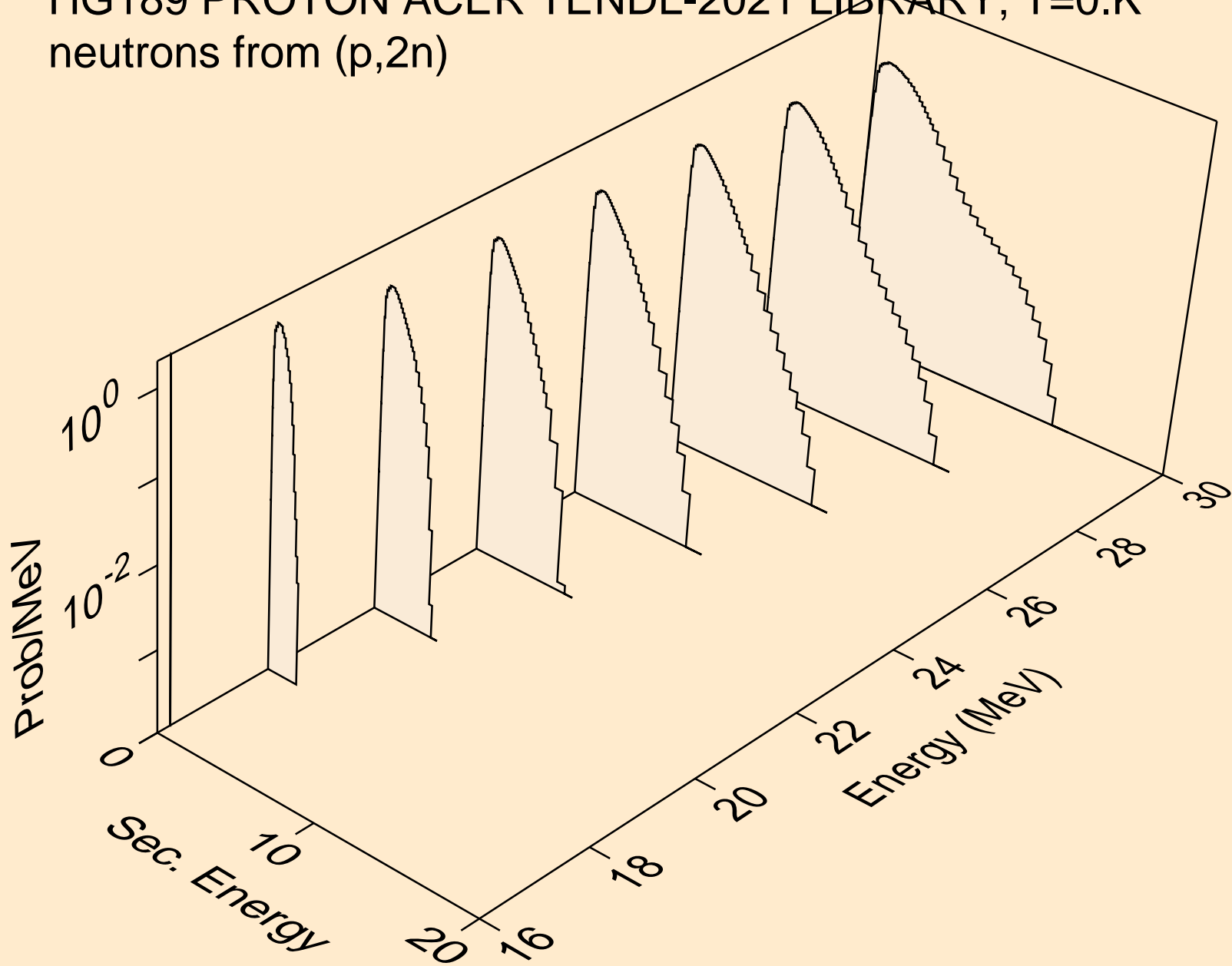
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,x)



HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2nd)

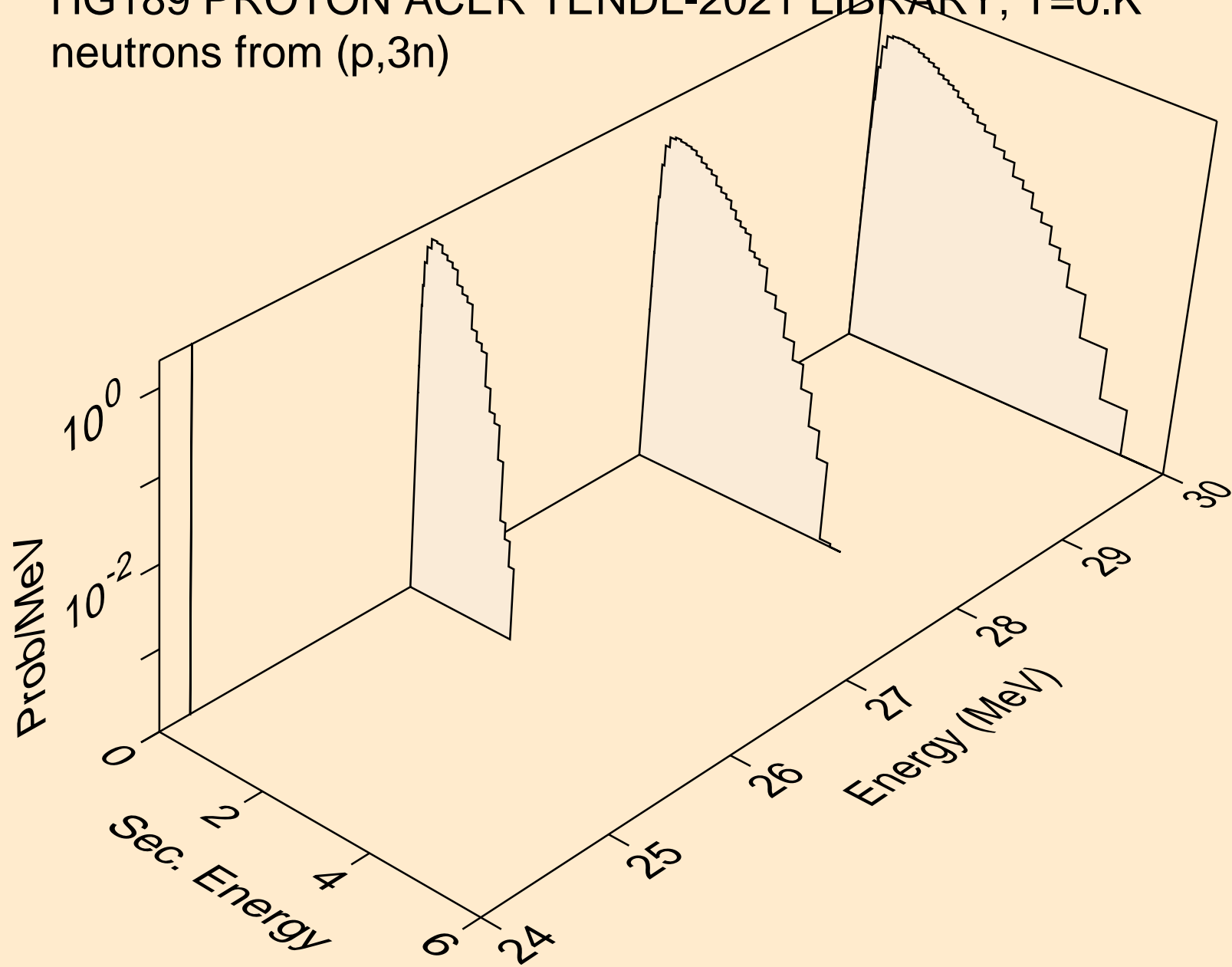


HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2n)

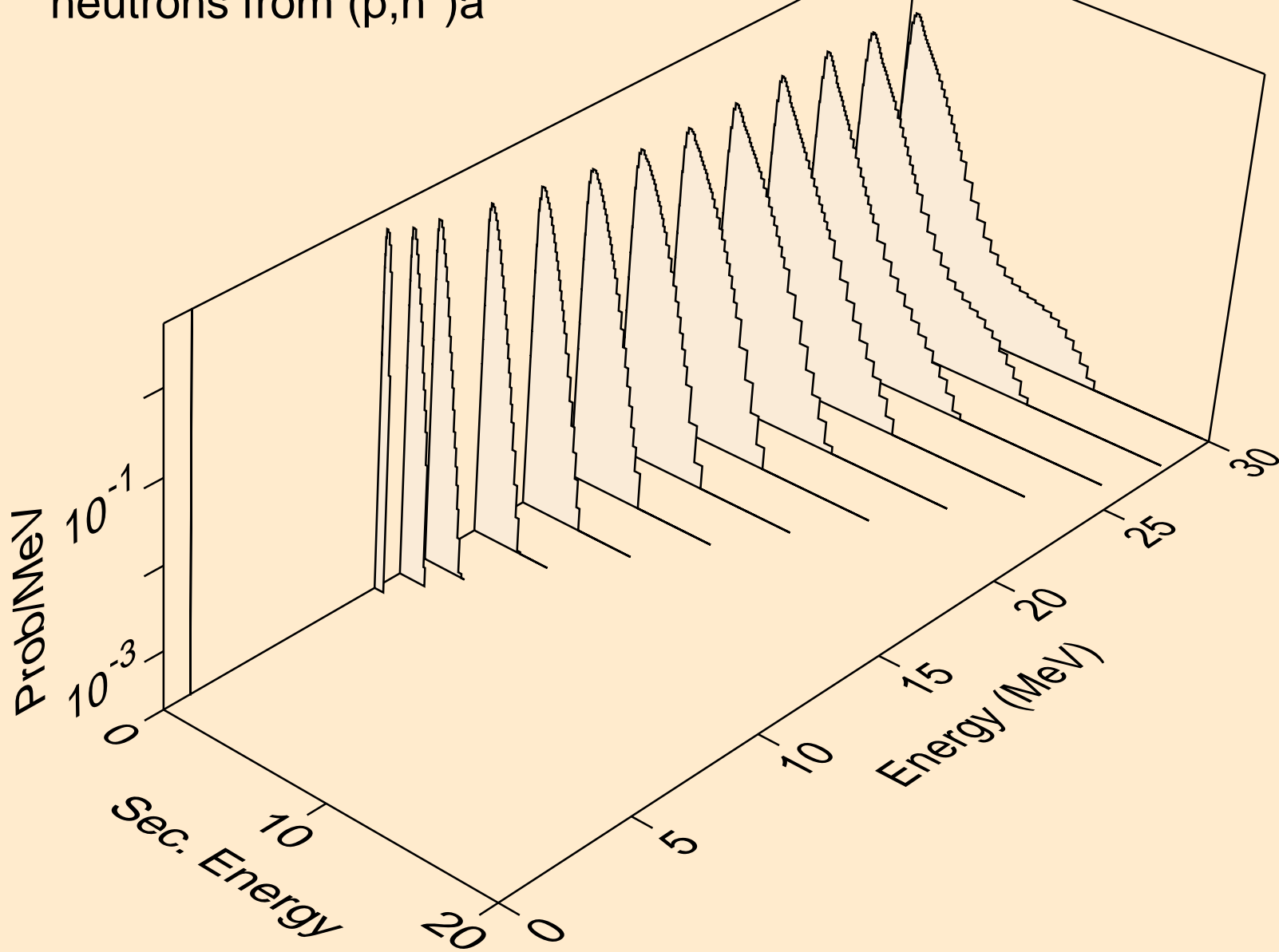




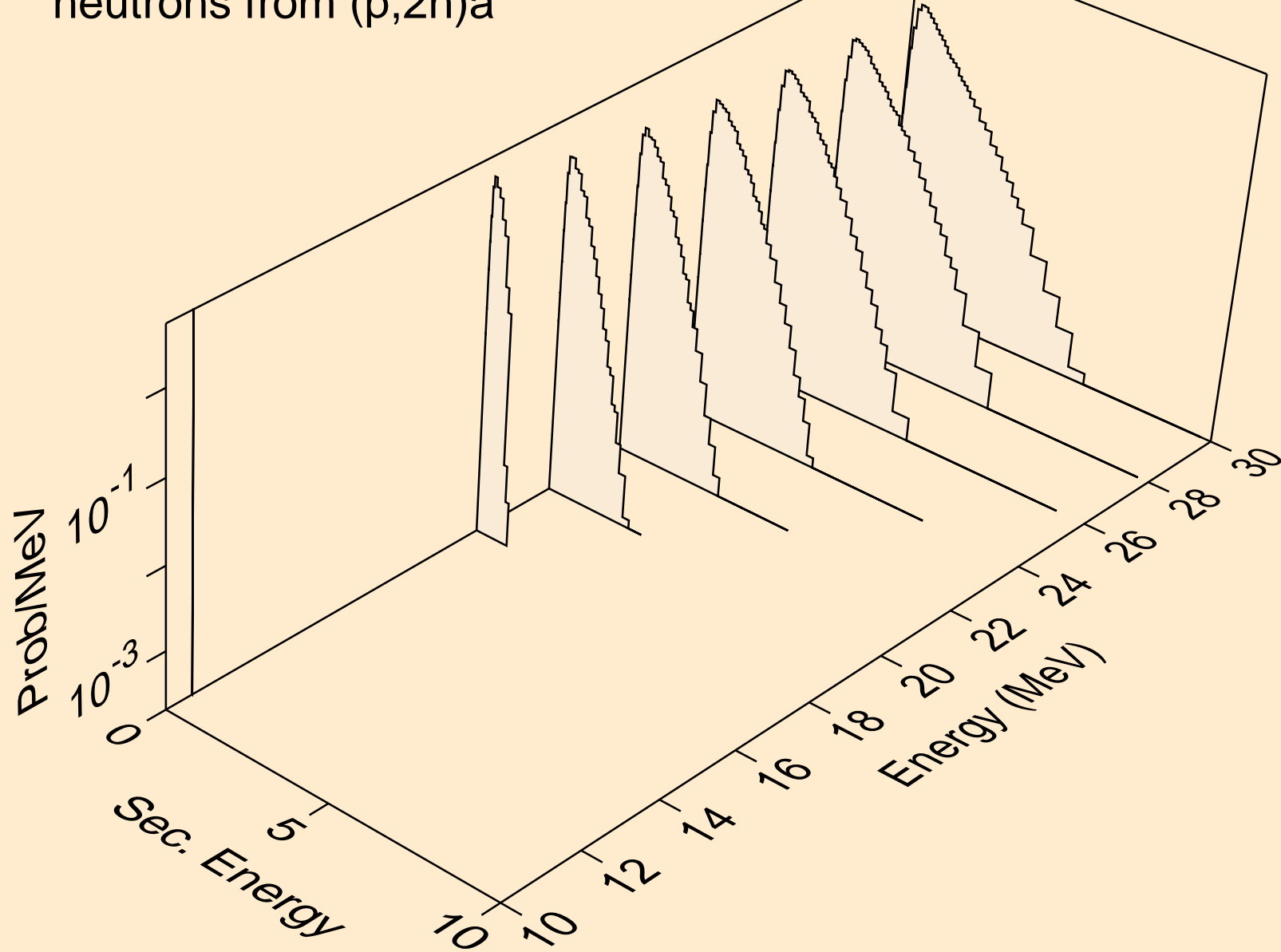
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3n)



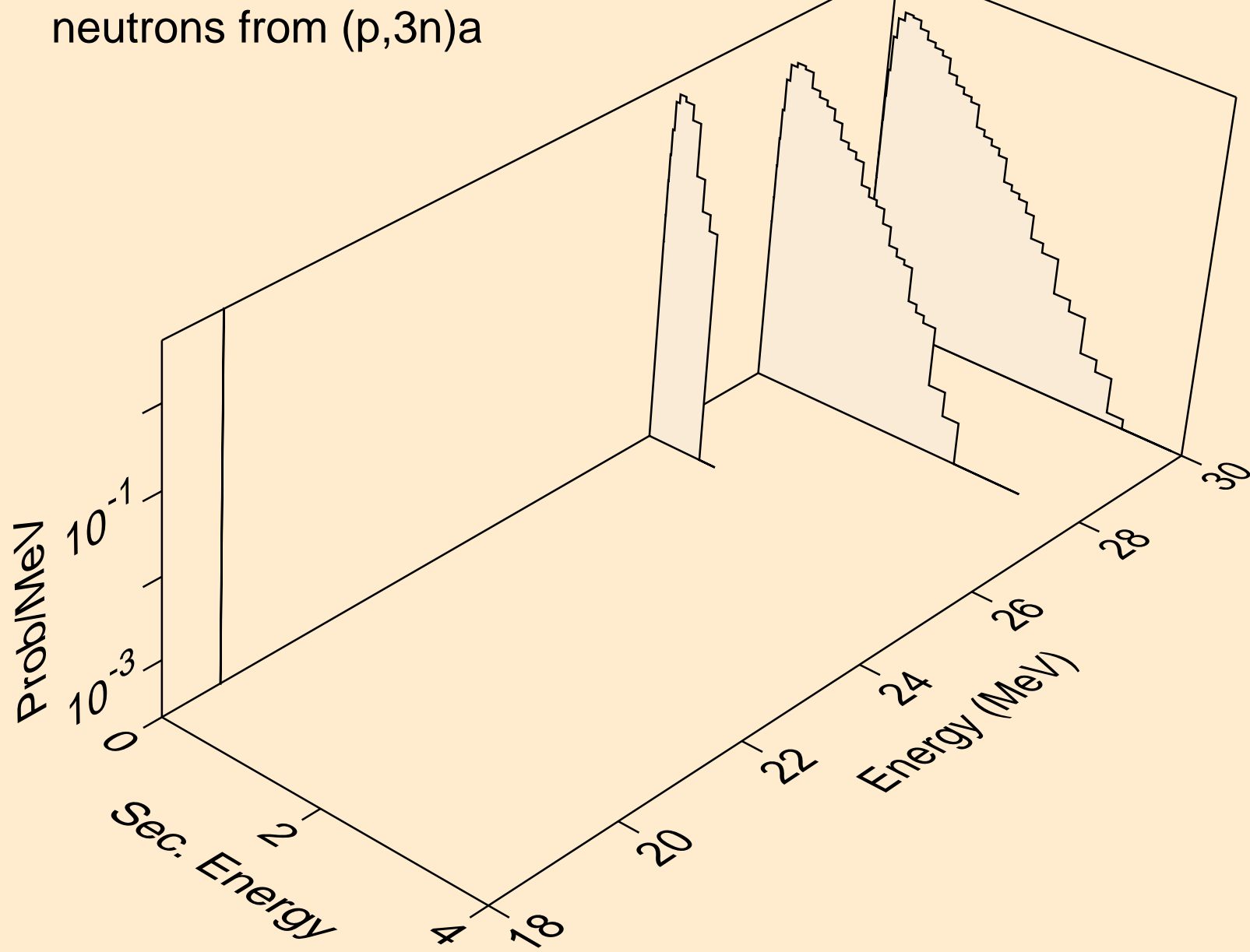
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)a



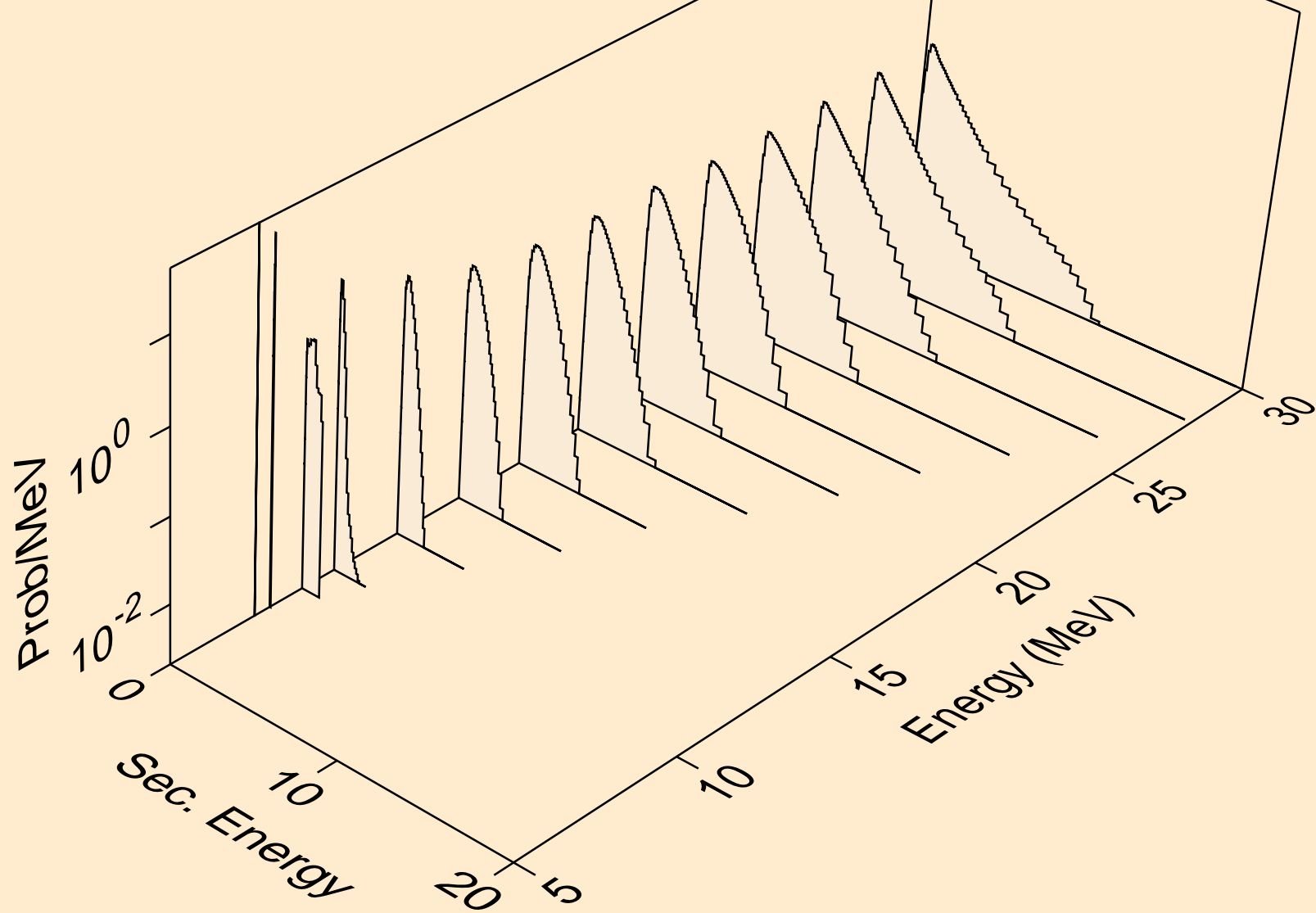
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2n)a



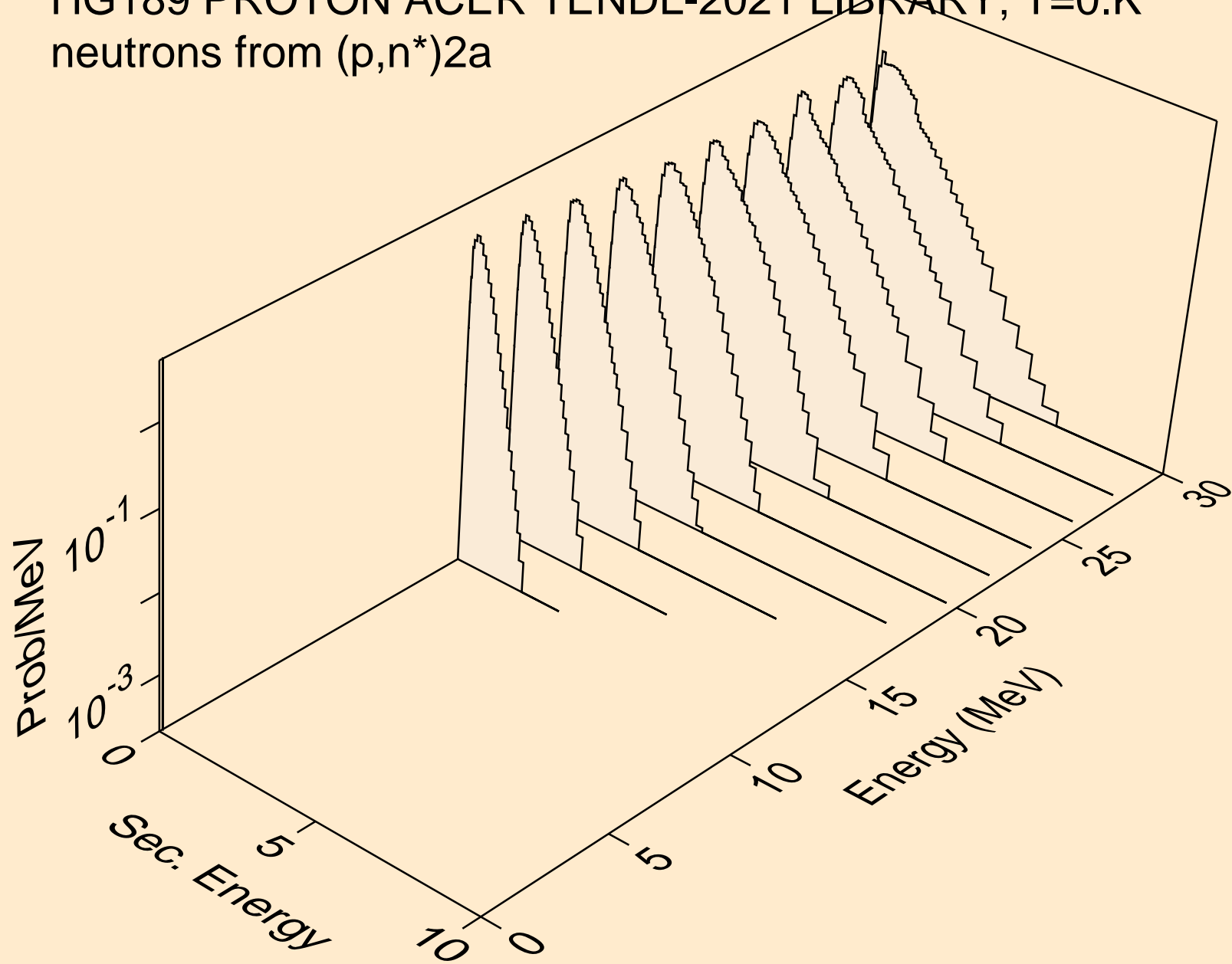
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neutrons from (p,3n)a



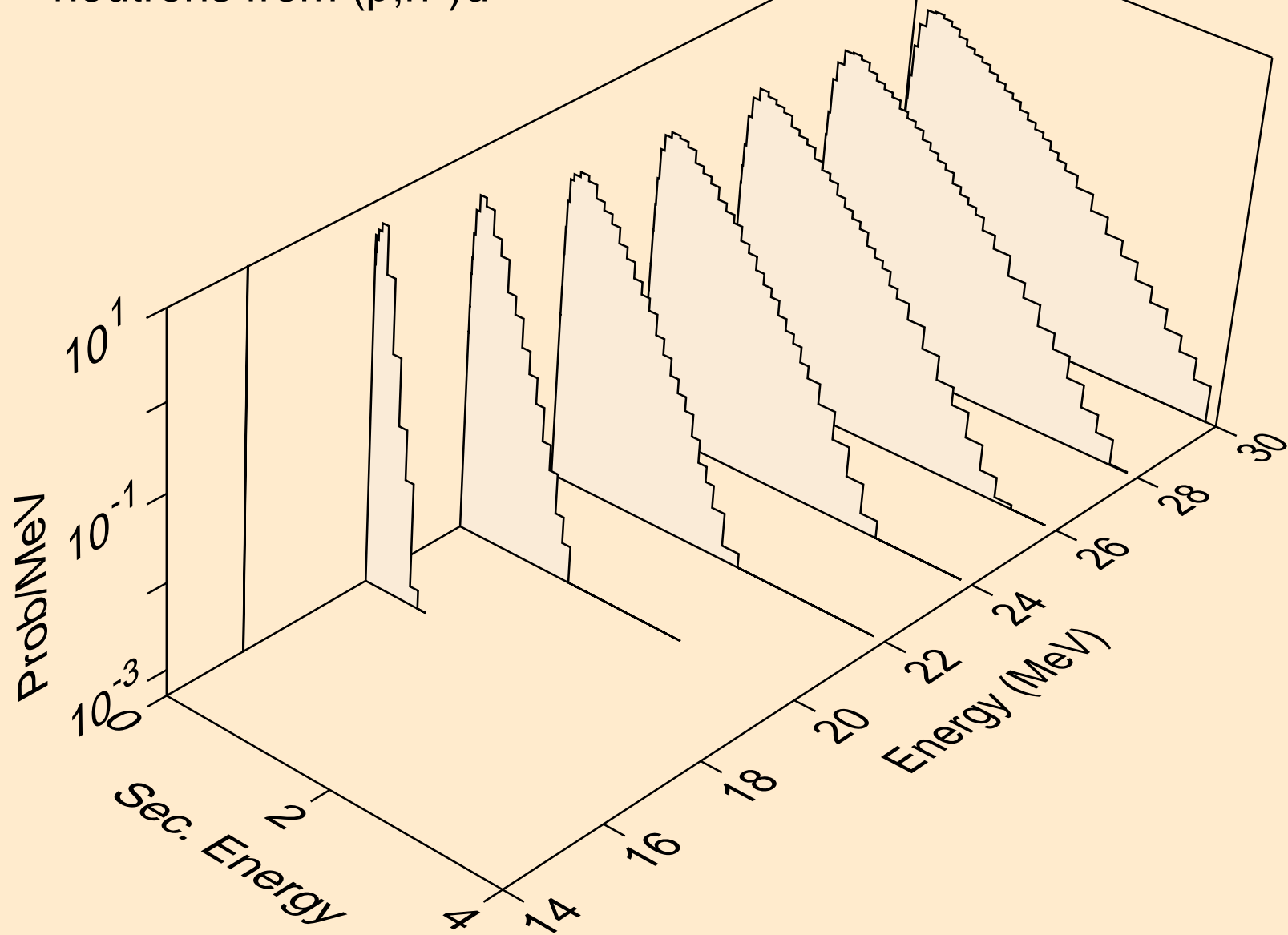
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neutrons from (p,n\*)p



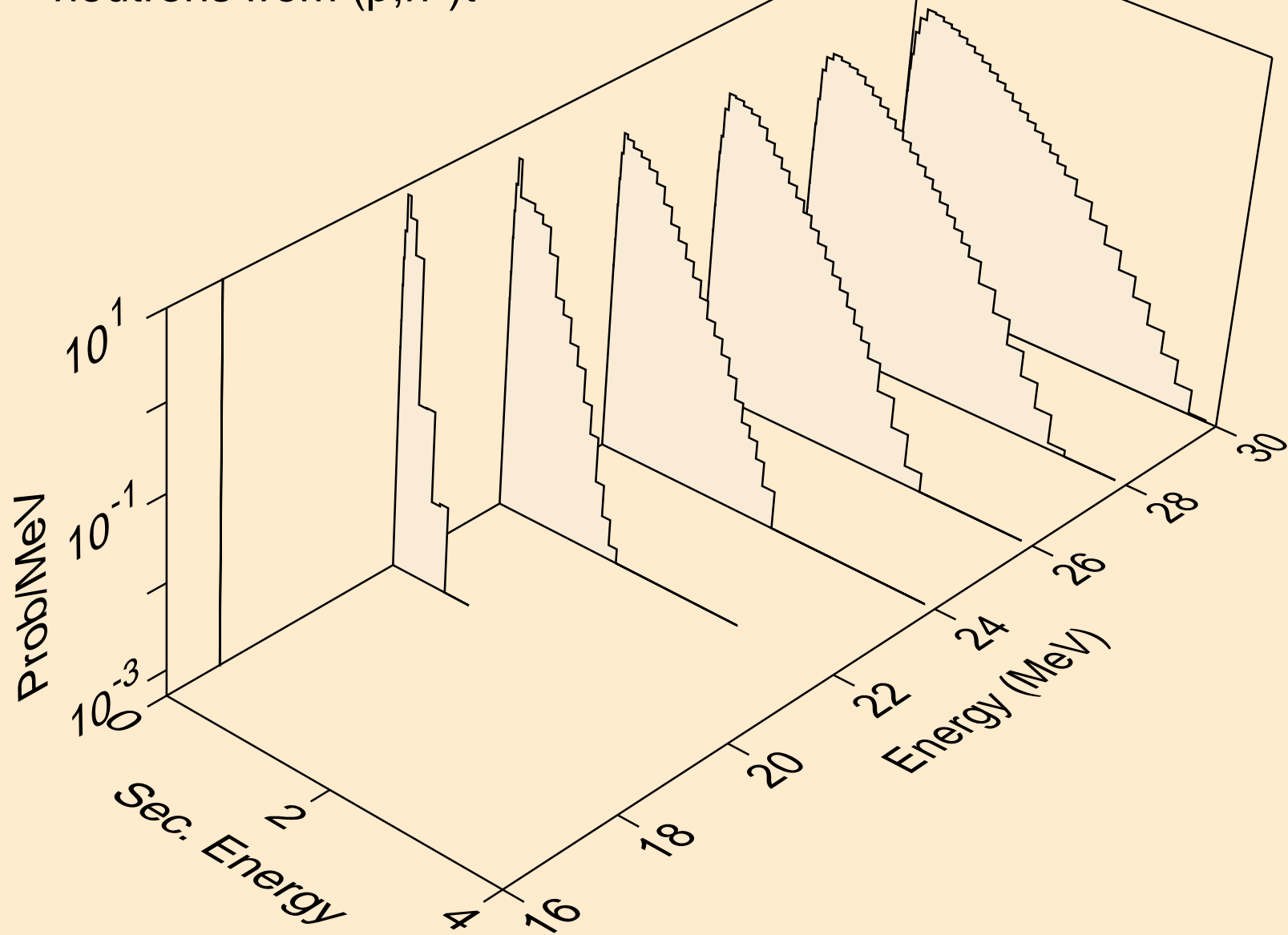
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)2a



HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)d

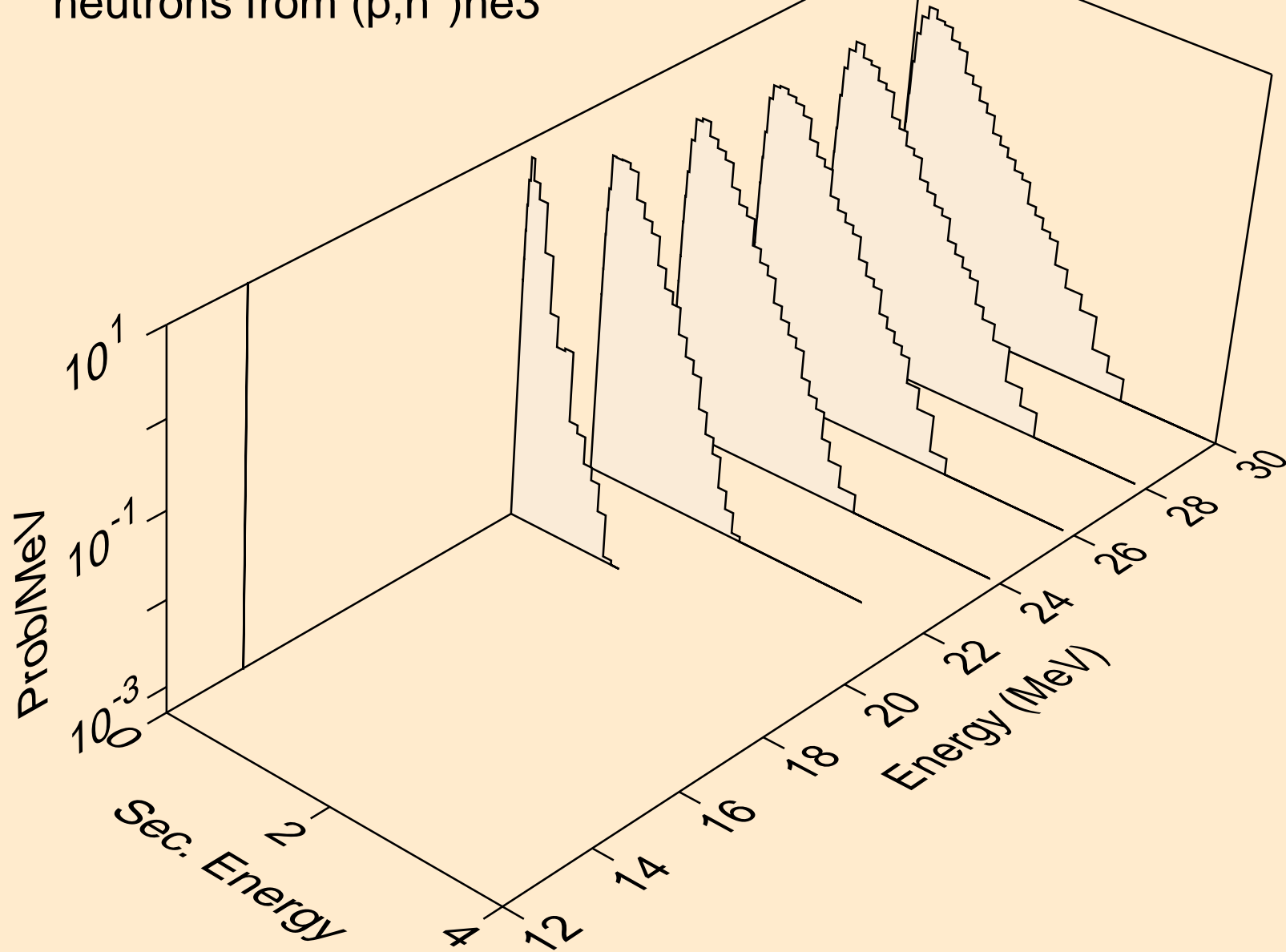


HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)t

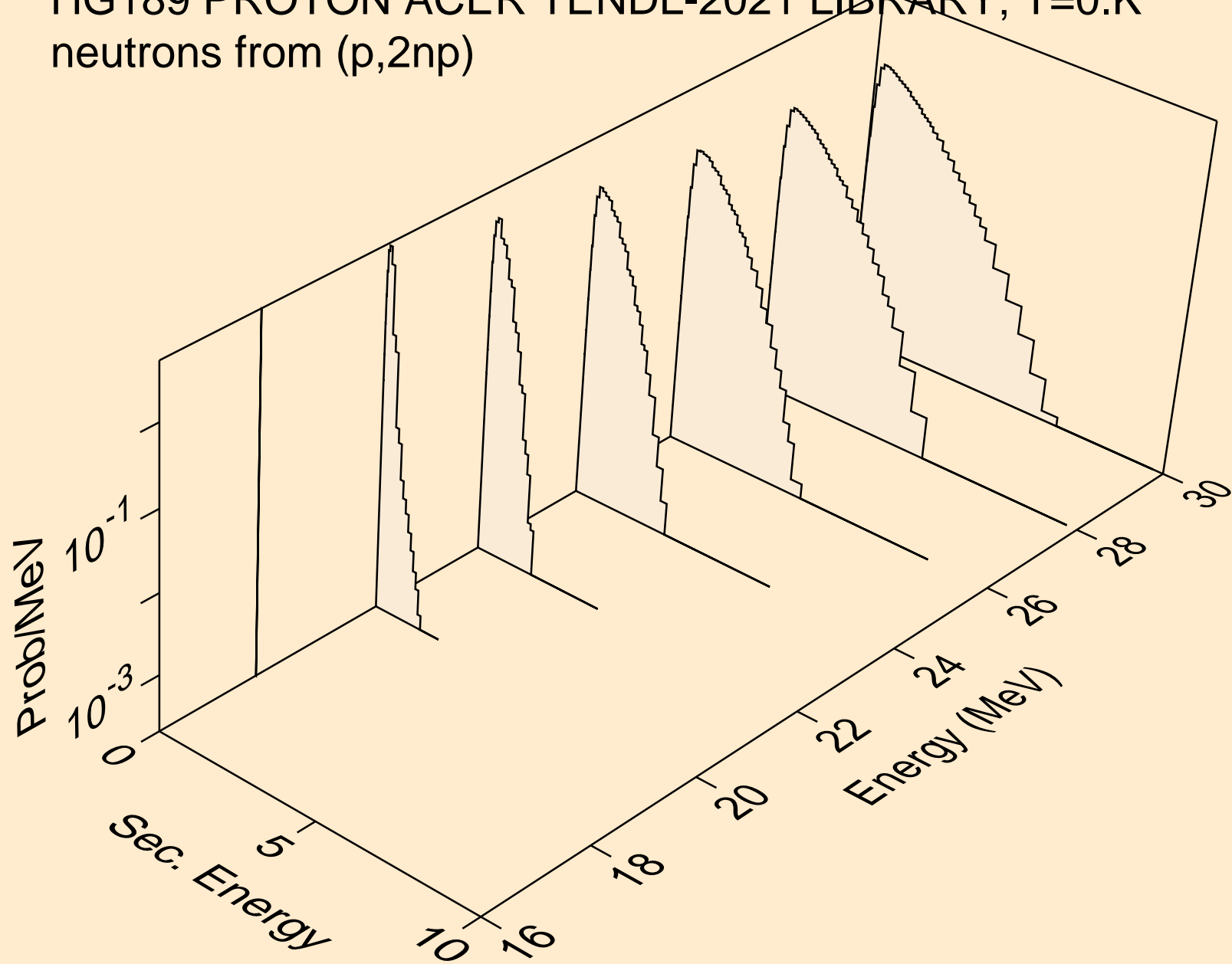




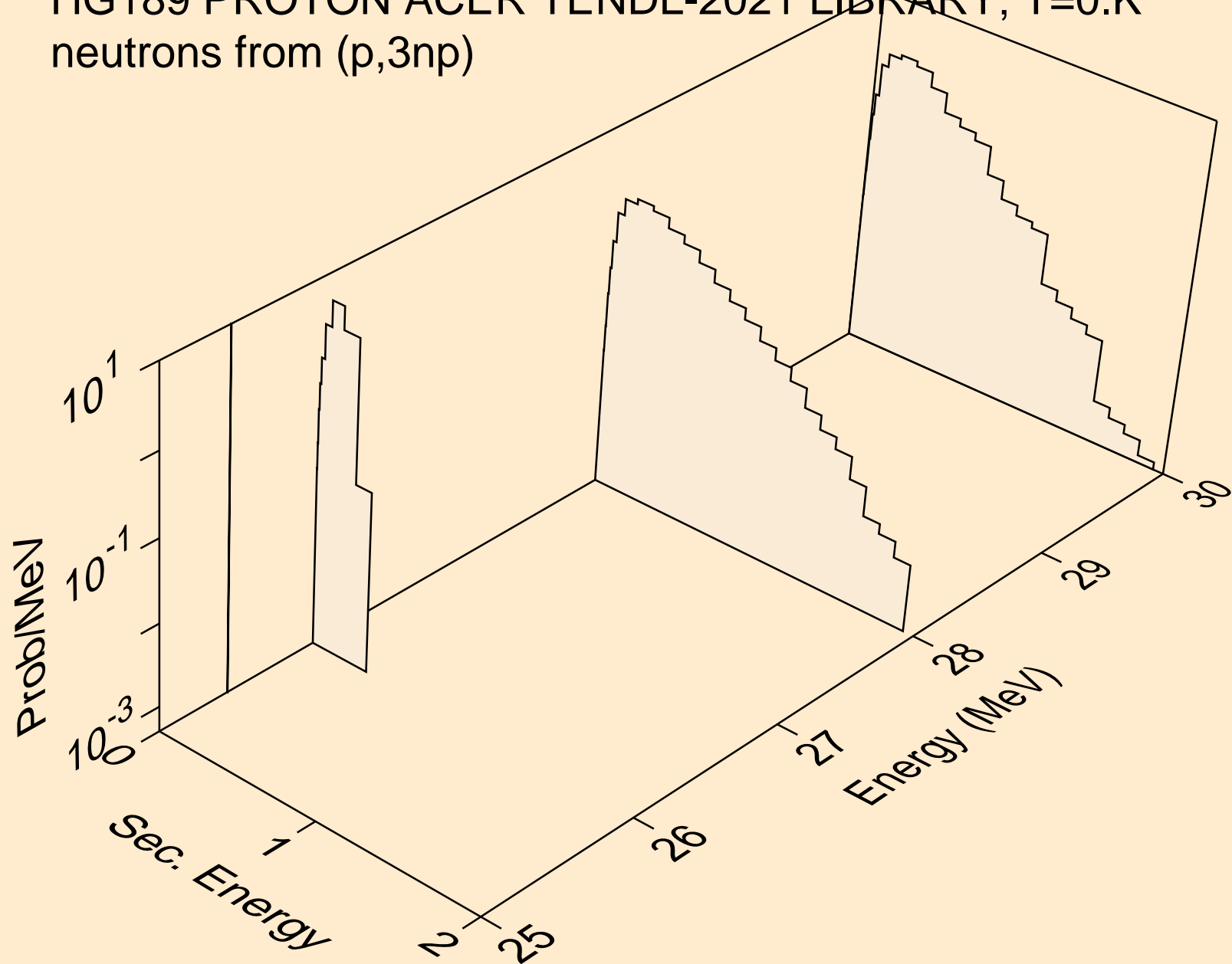
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



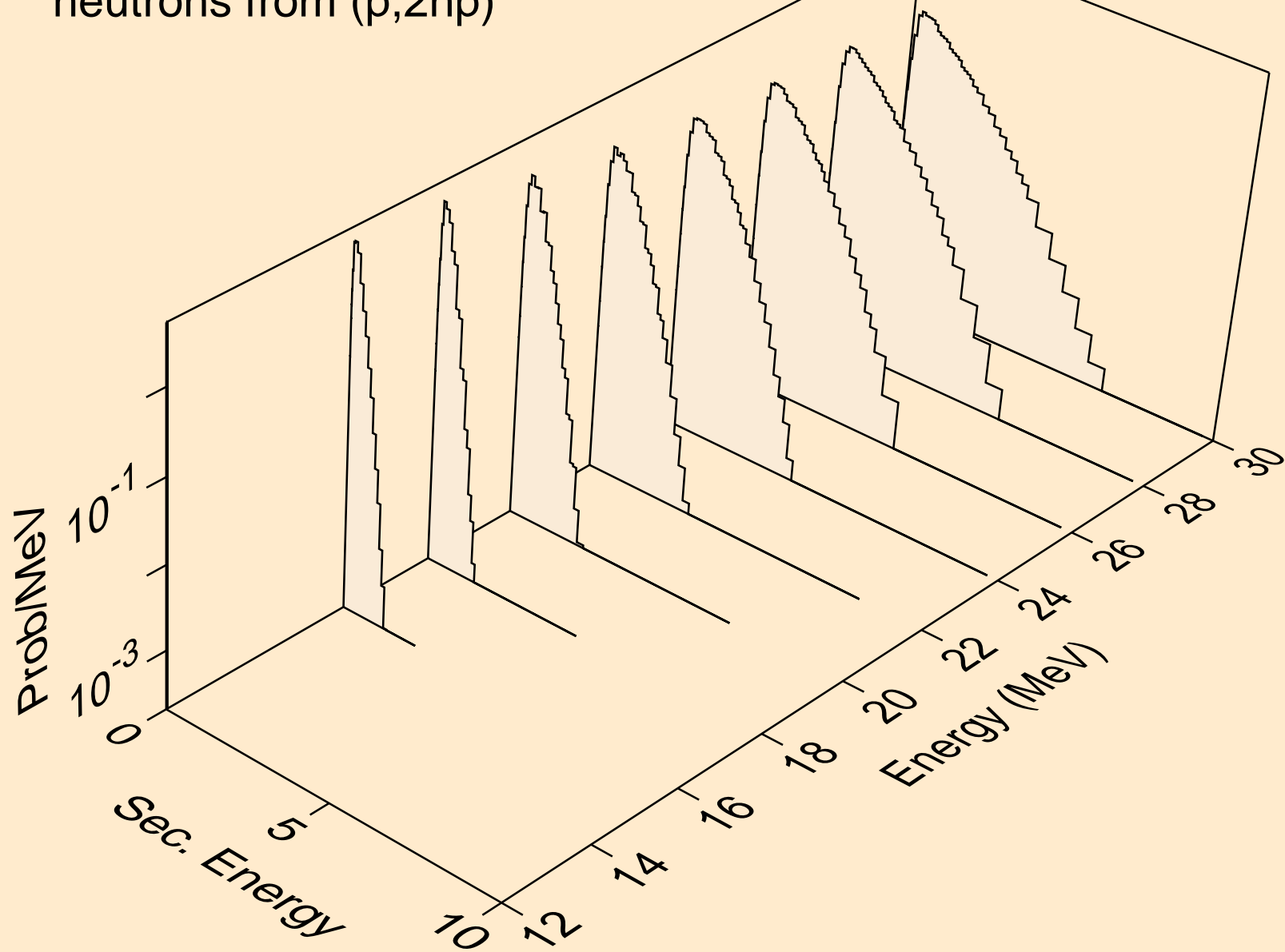
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)



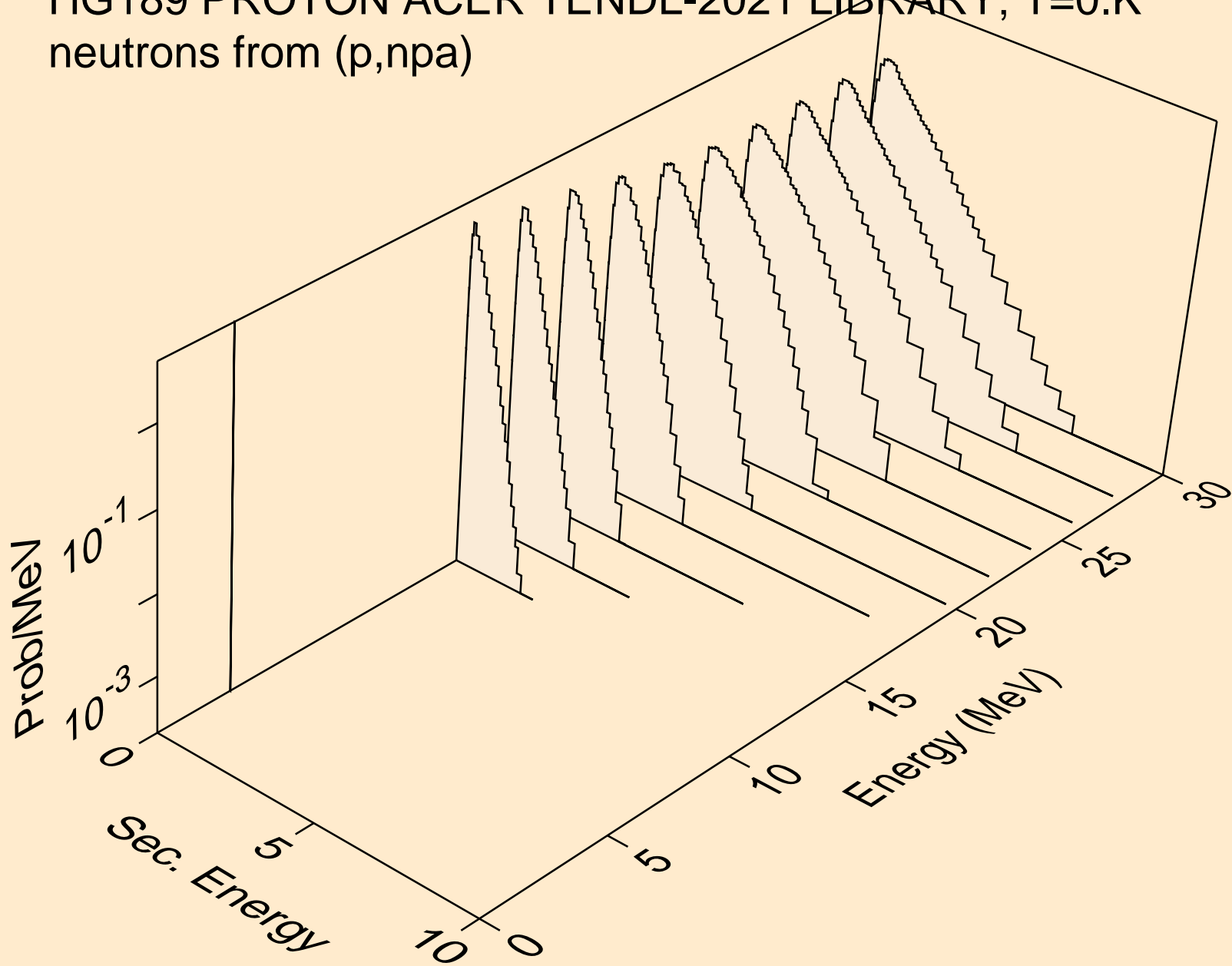
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3np)



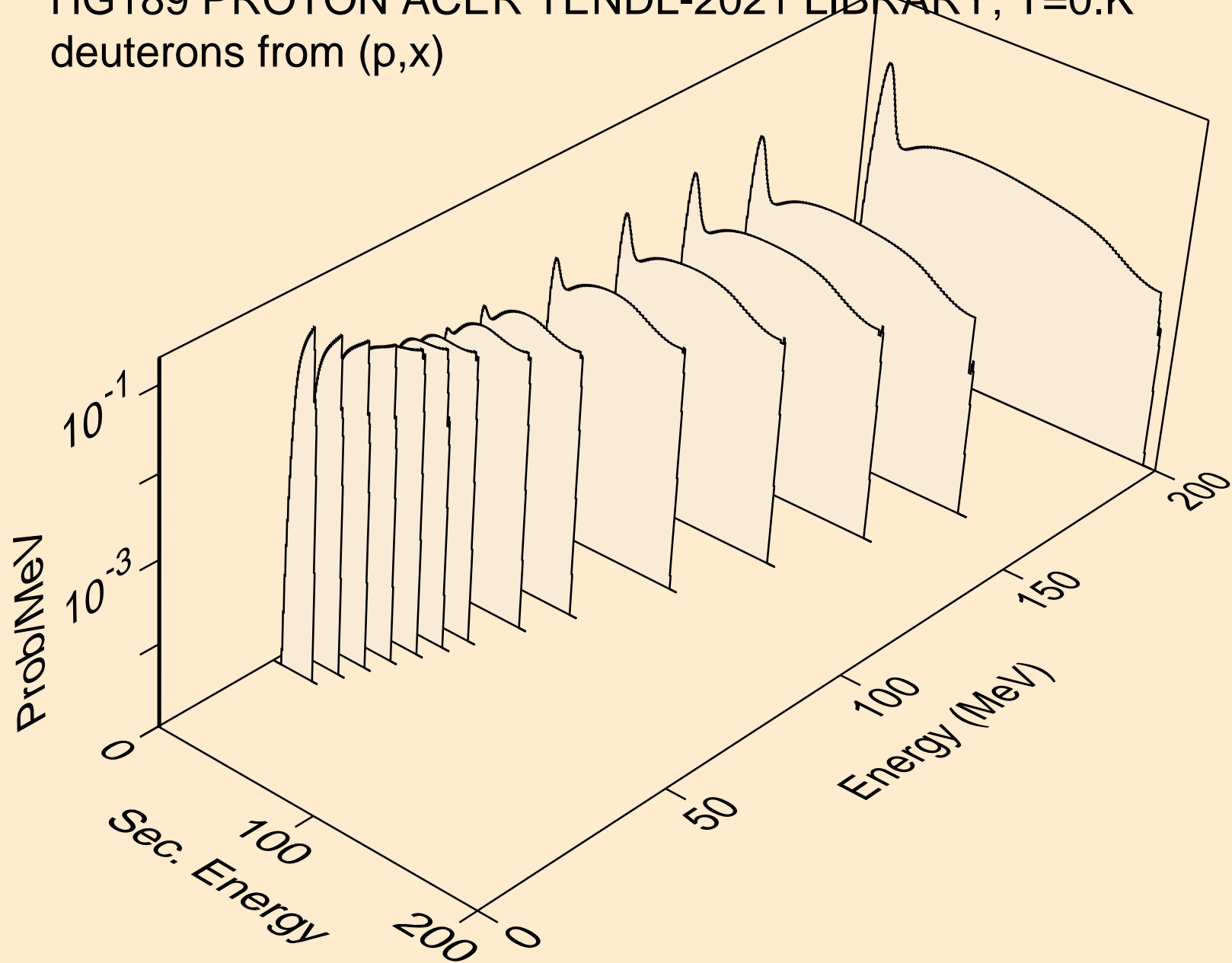
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)



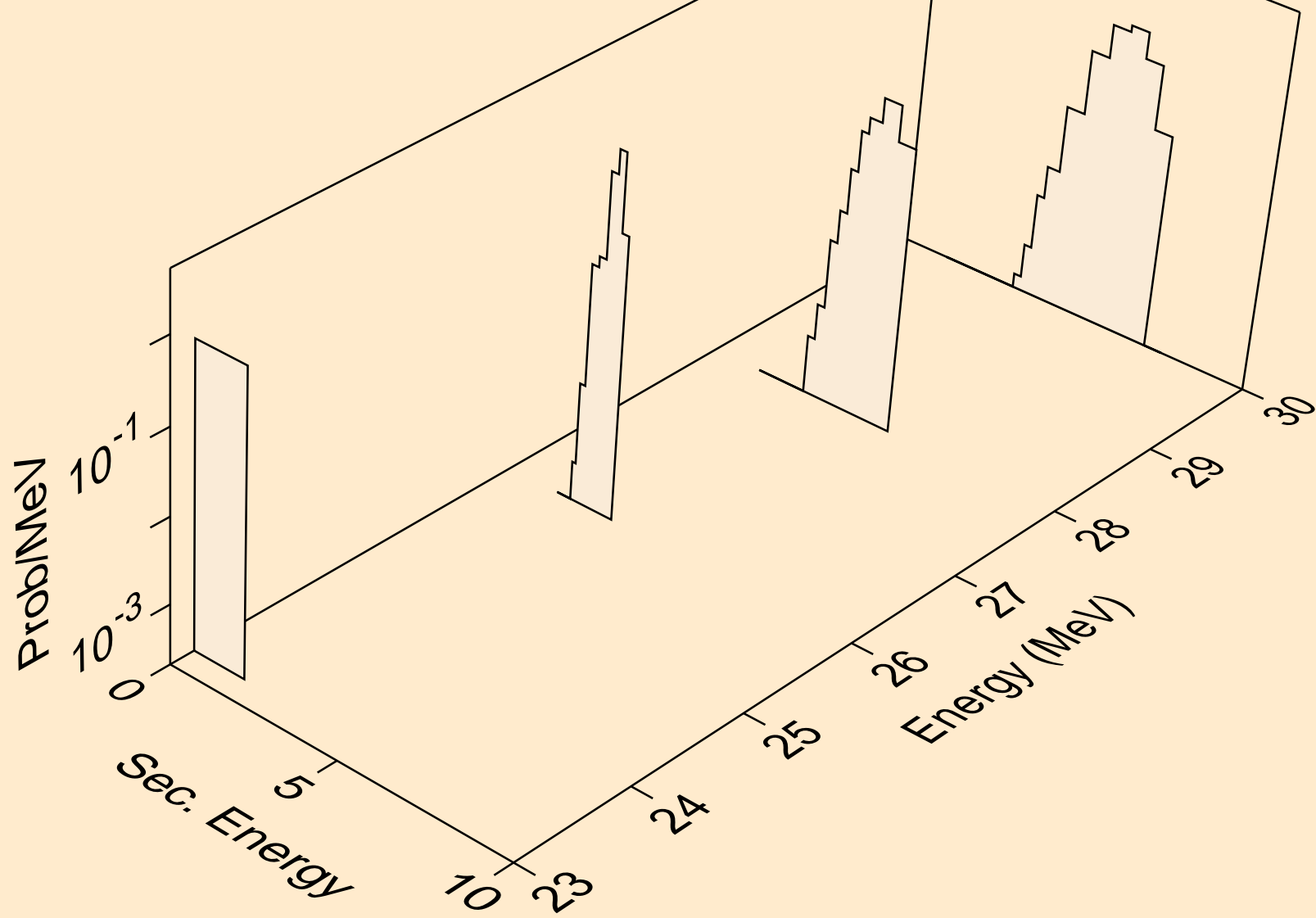
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,npa)



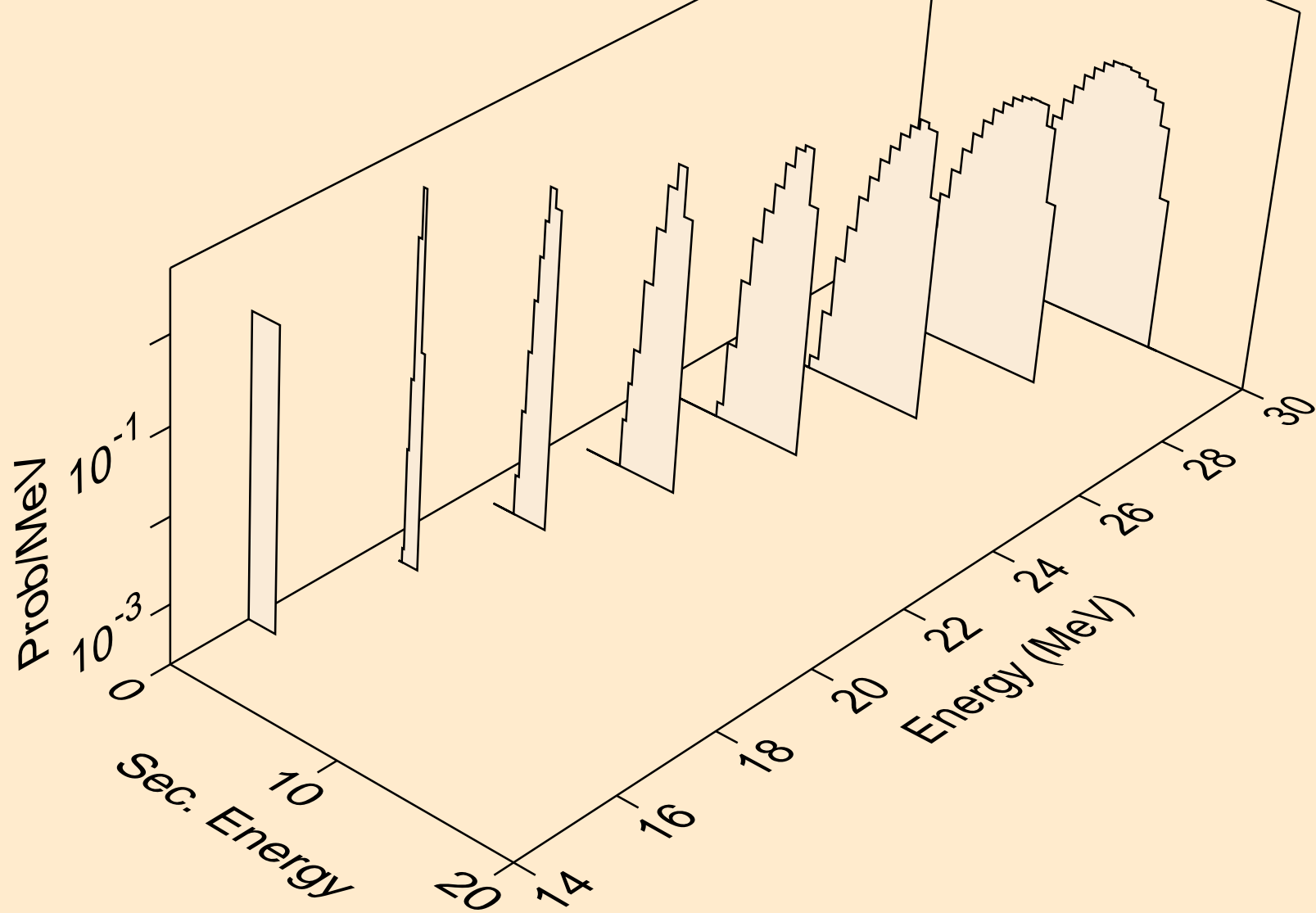
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,x)



HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,2nd)

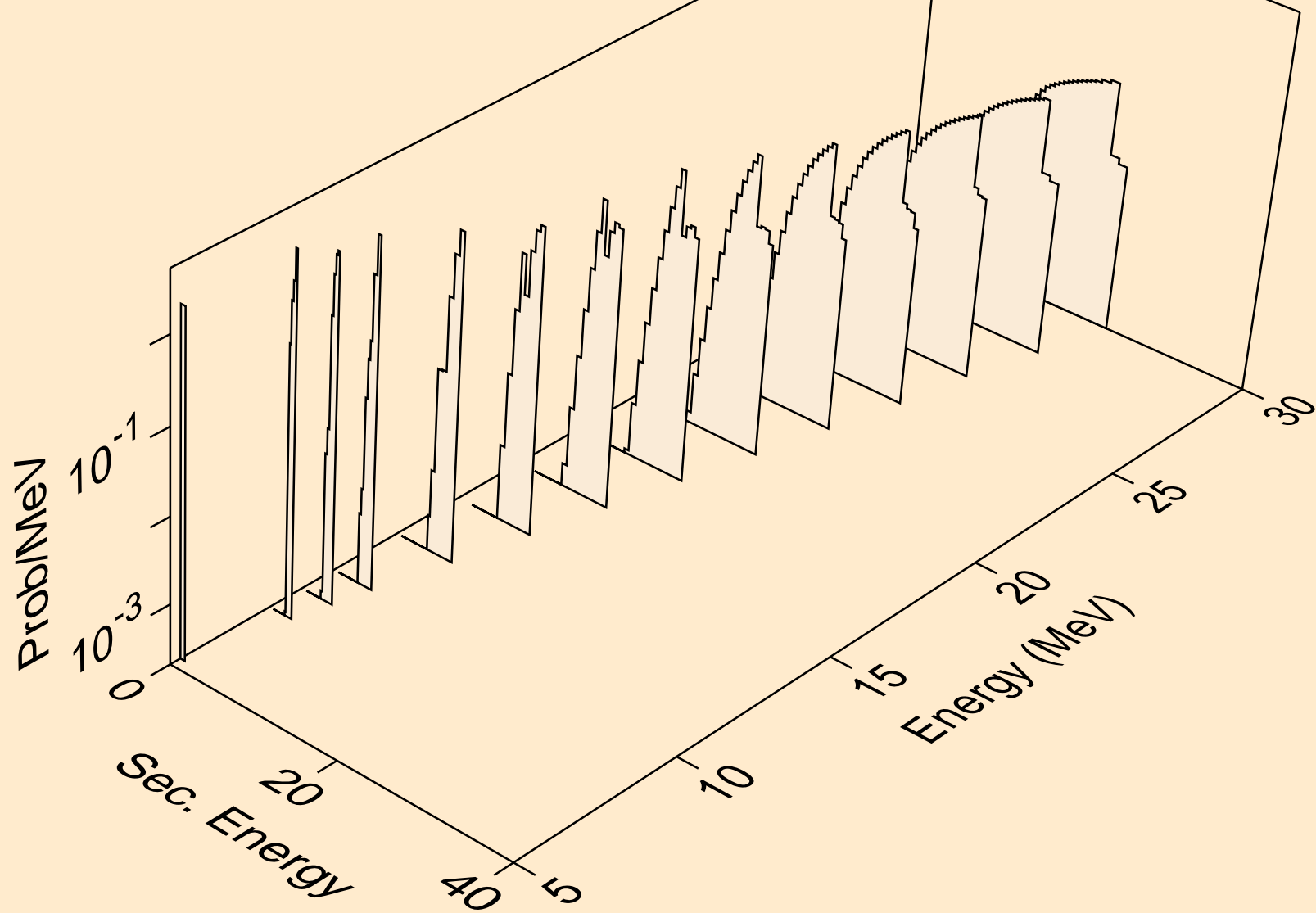


HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,n\*)d

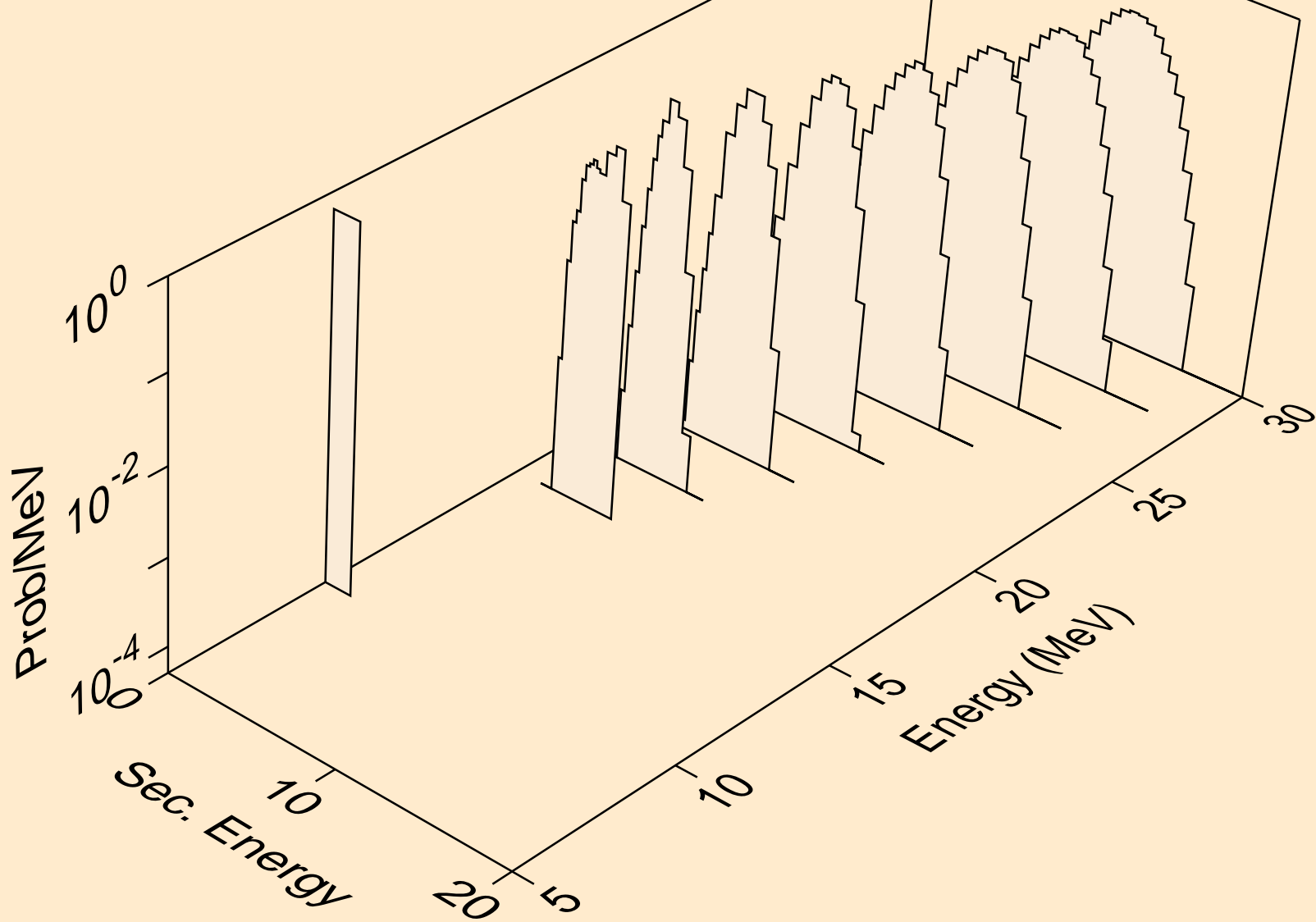




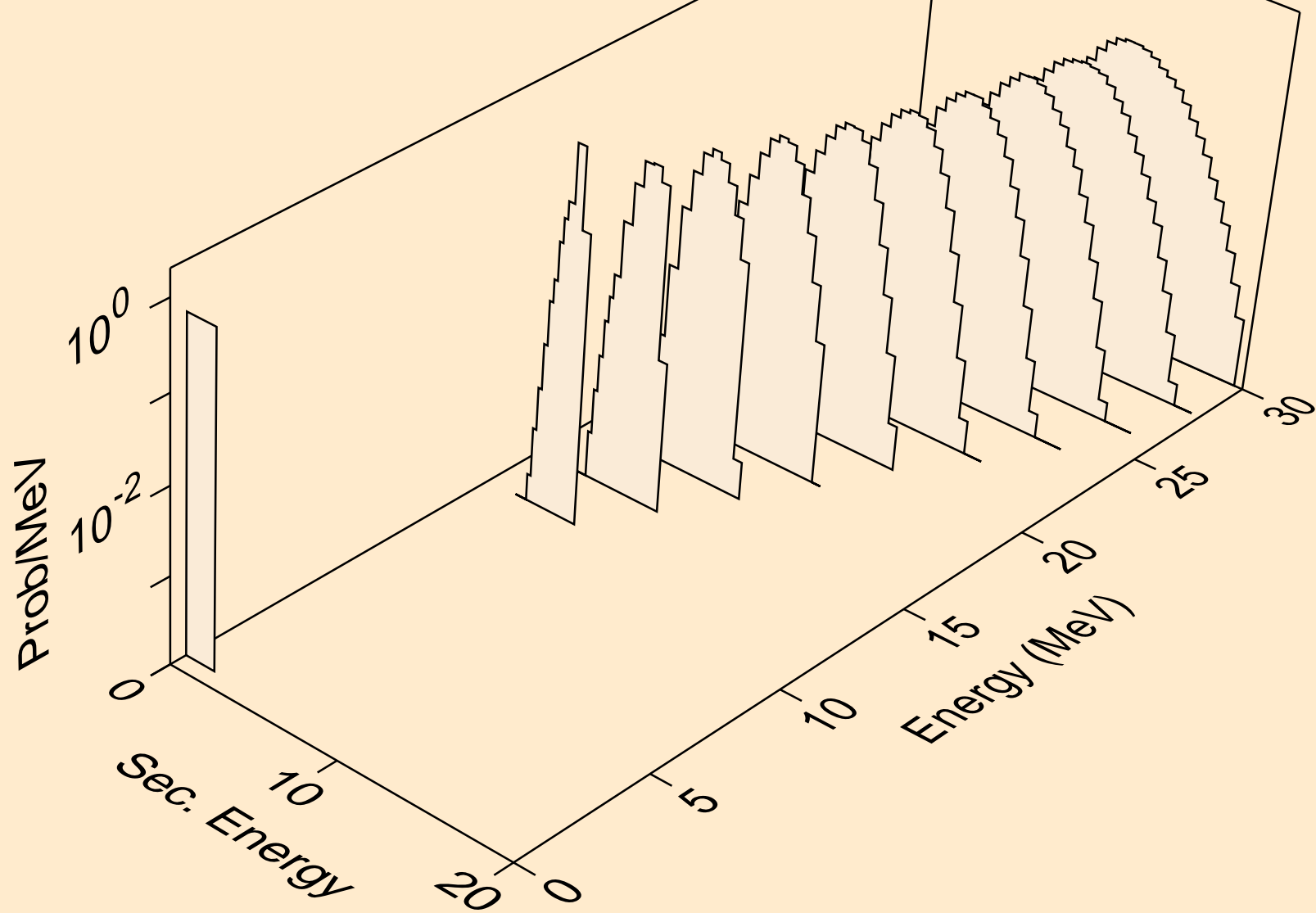
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deuterons from (p,d)



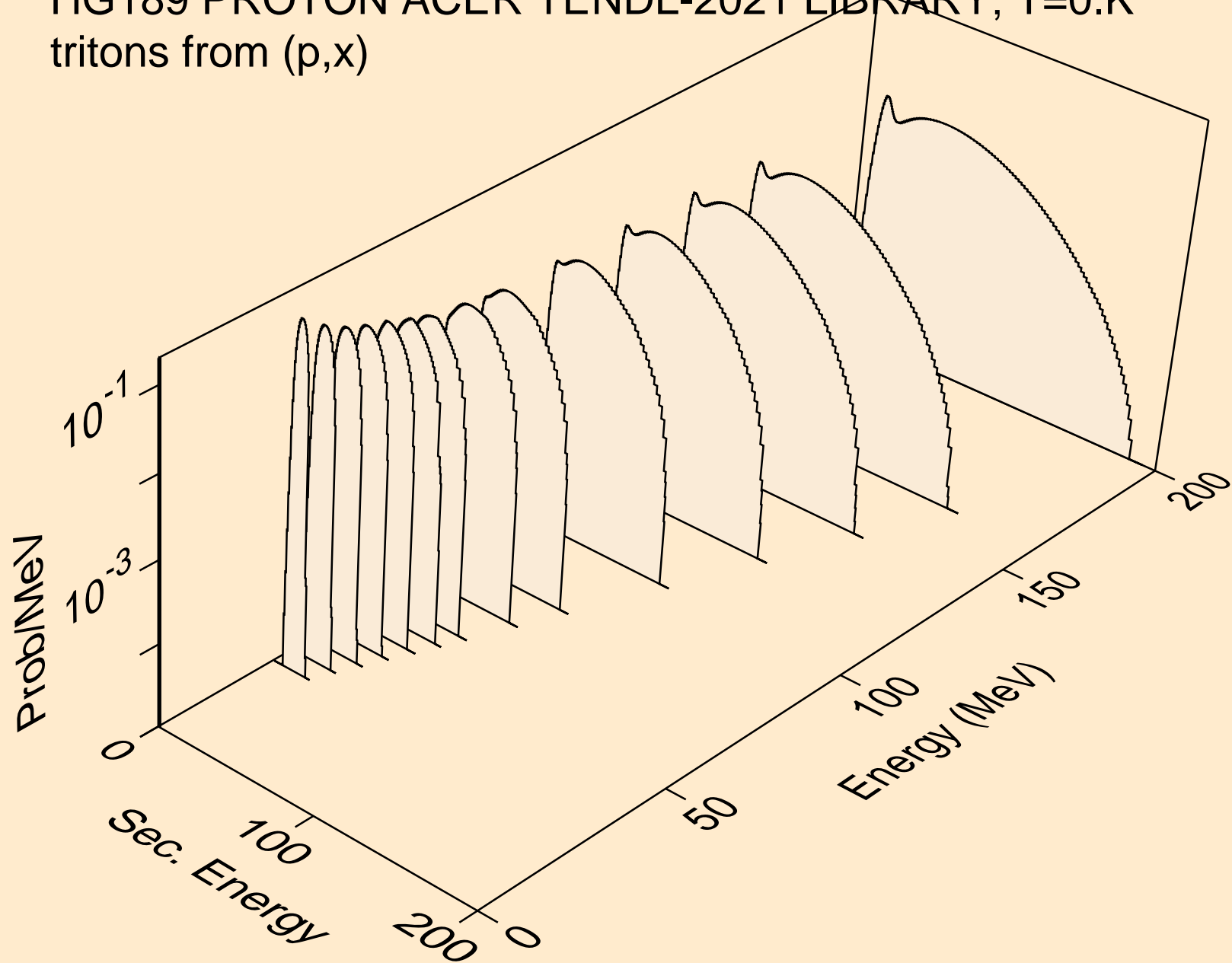
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deuterons from (p,pd)



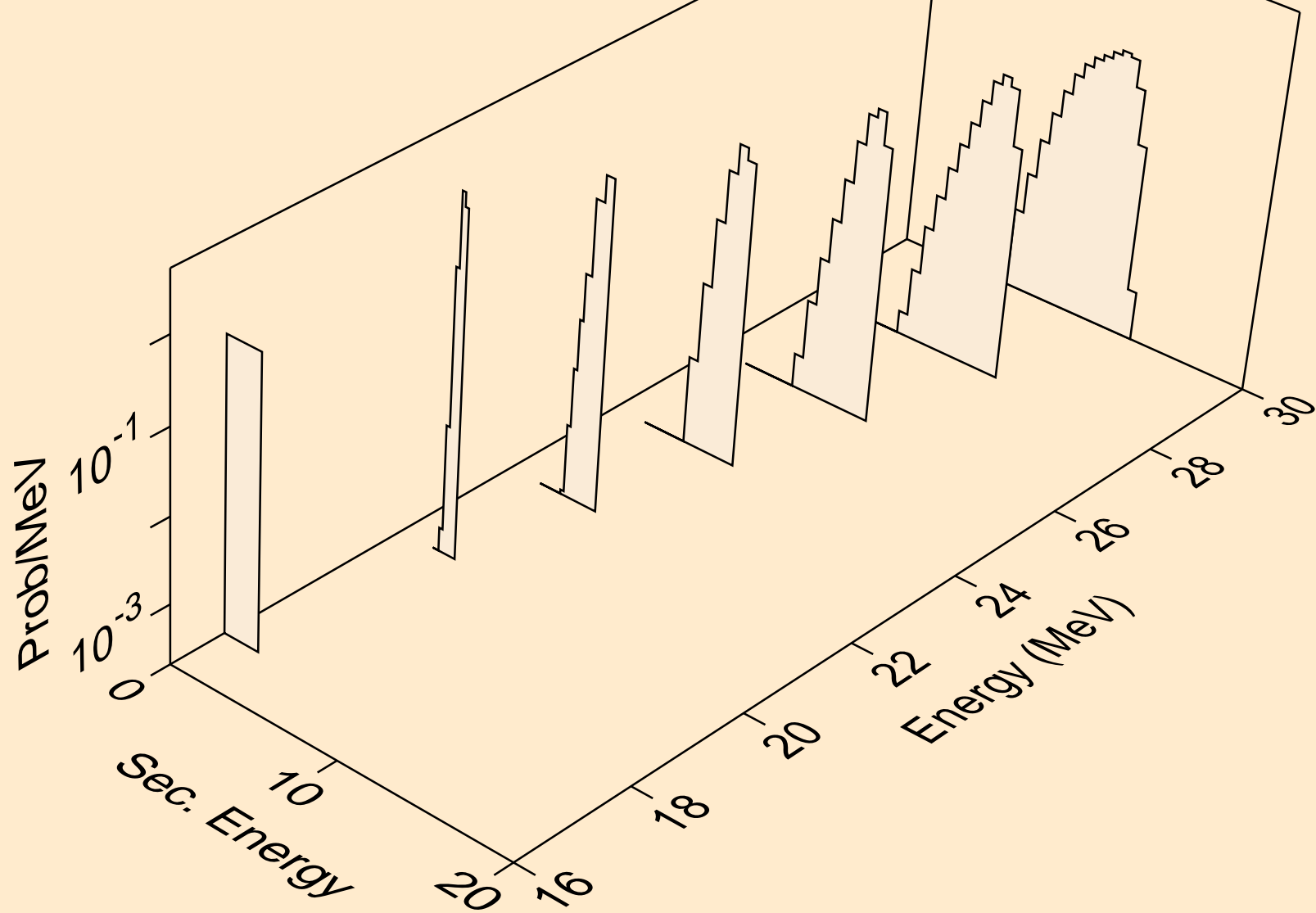
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deuterons from (p,da)



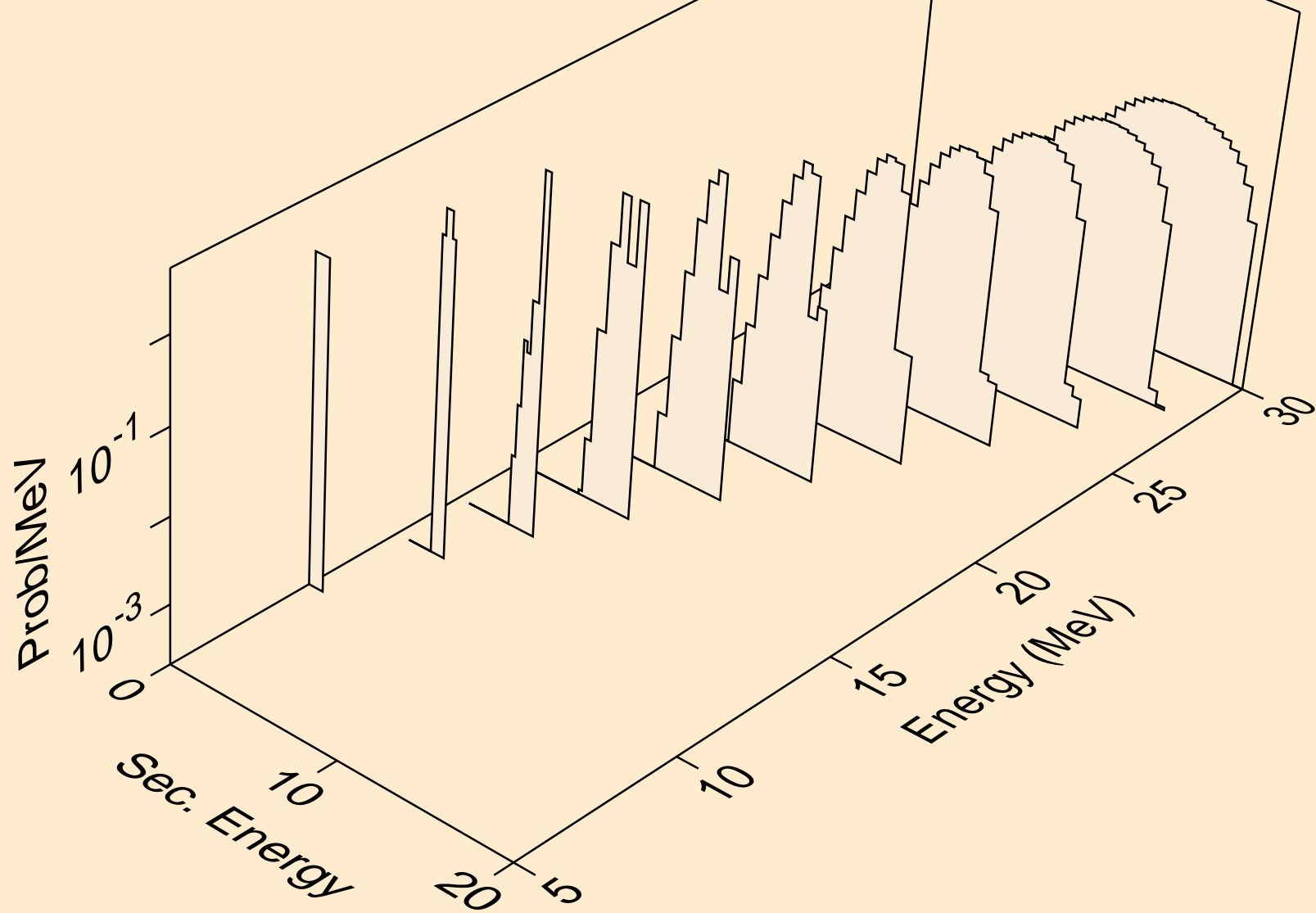
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,x)



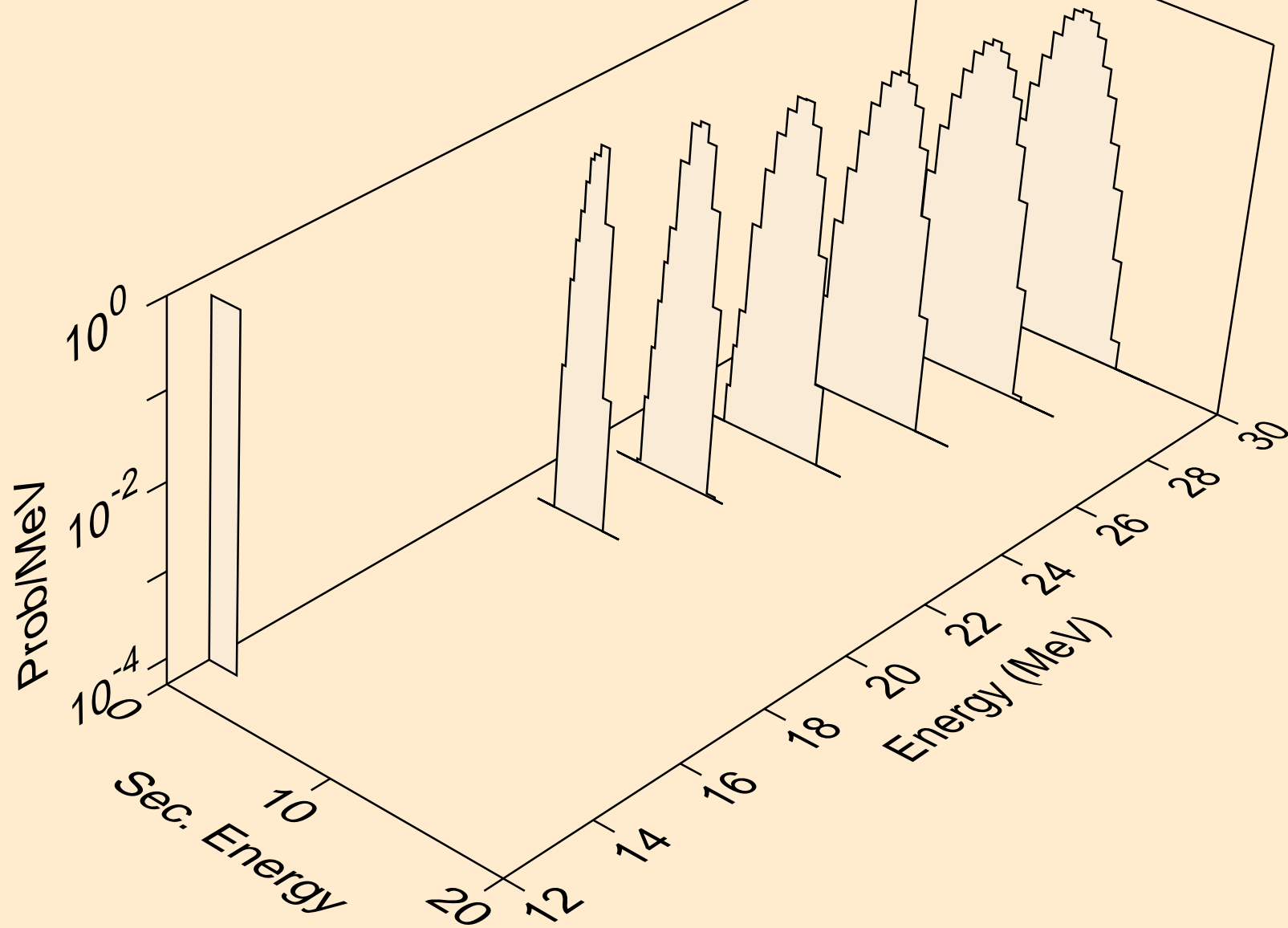
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,n\*)t



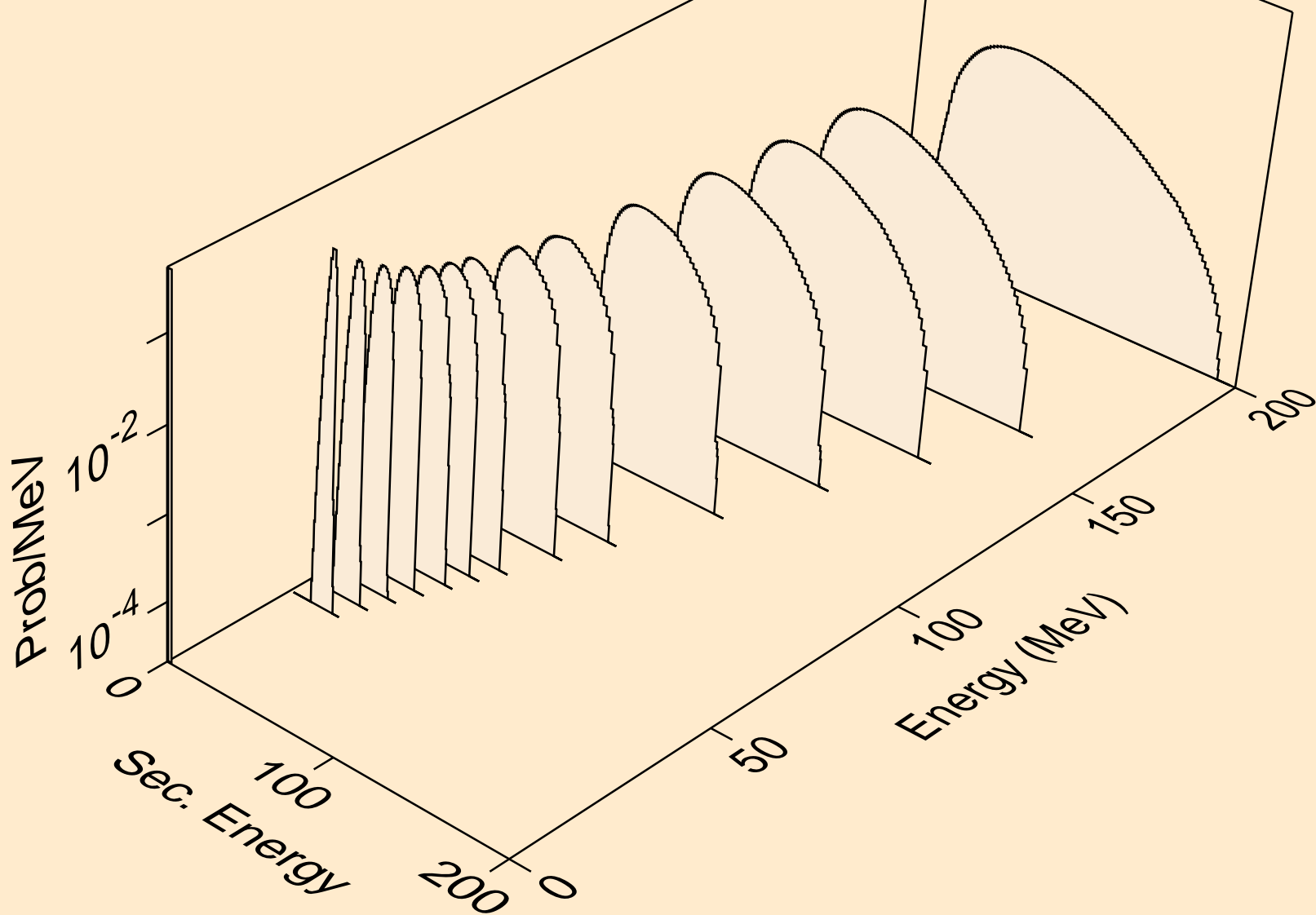
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,t)



HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,pt)

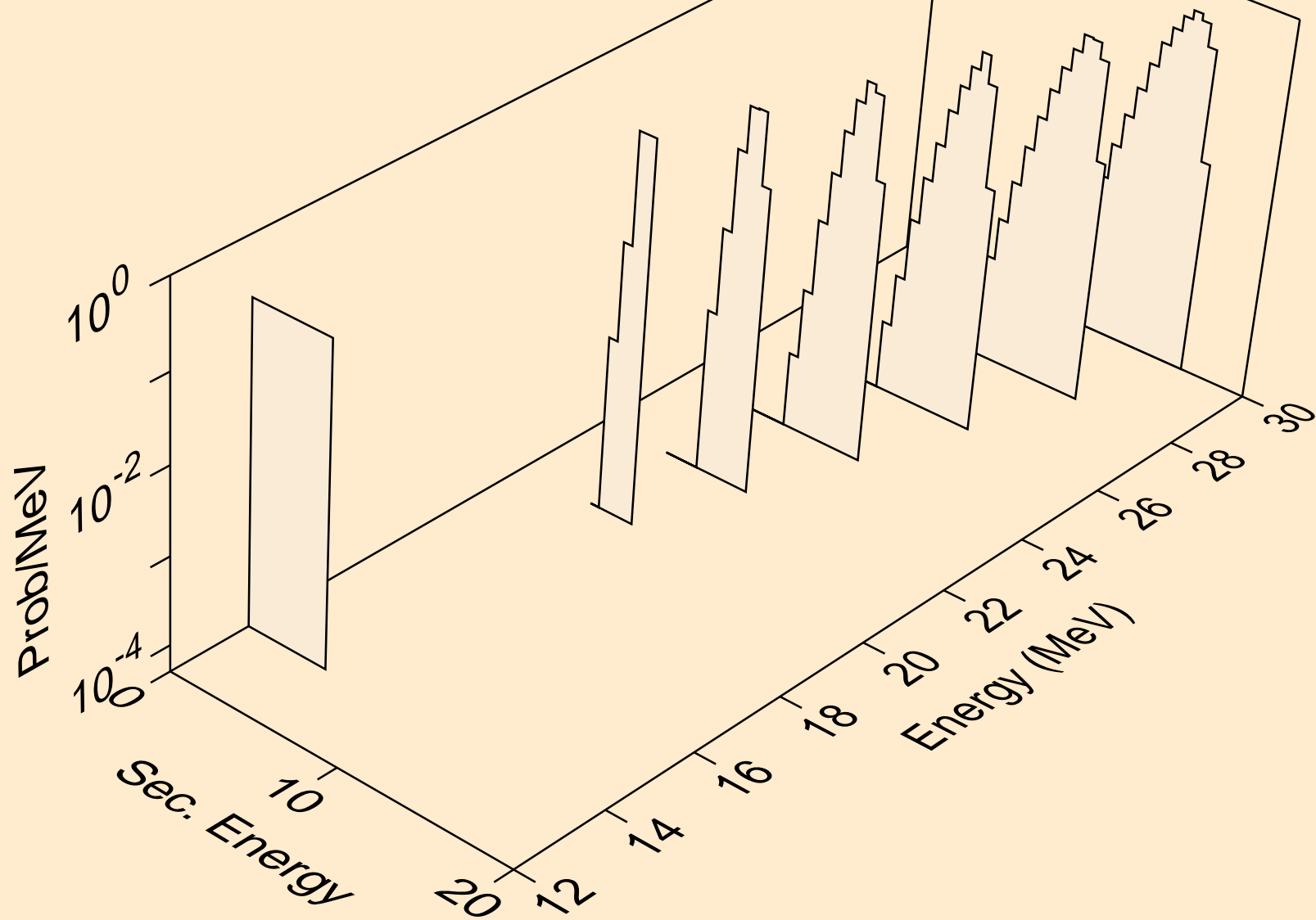


HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,x)

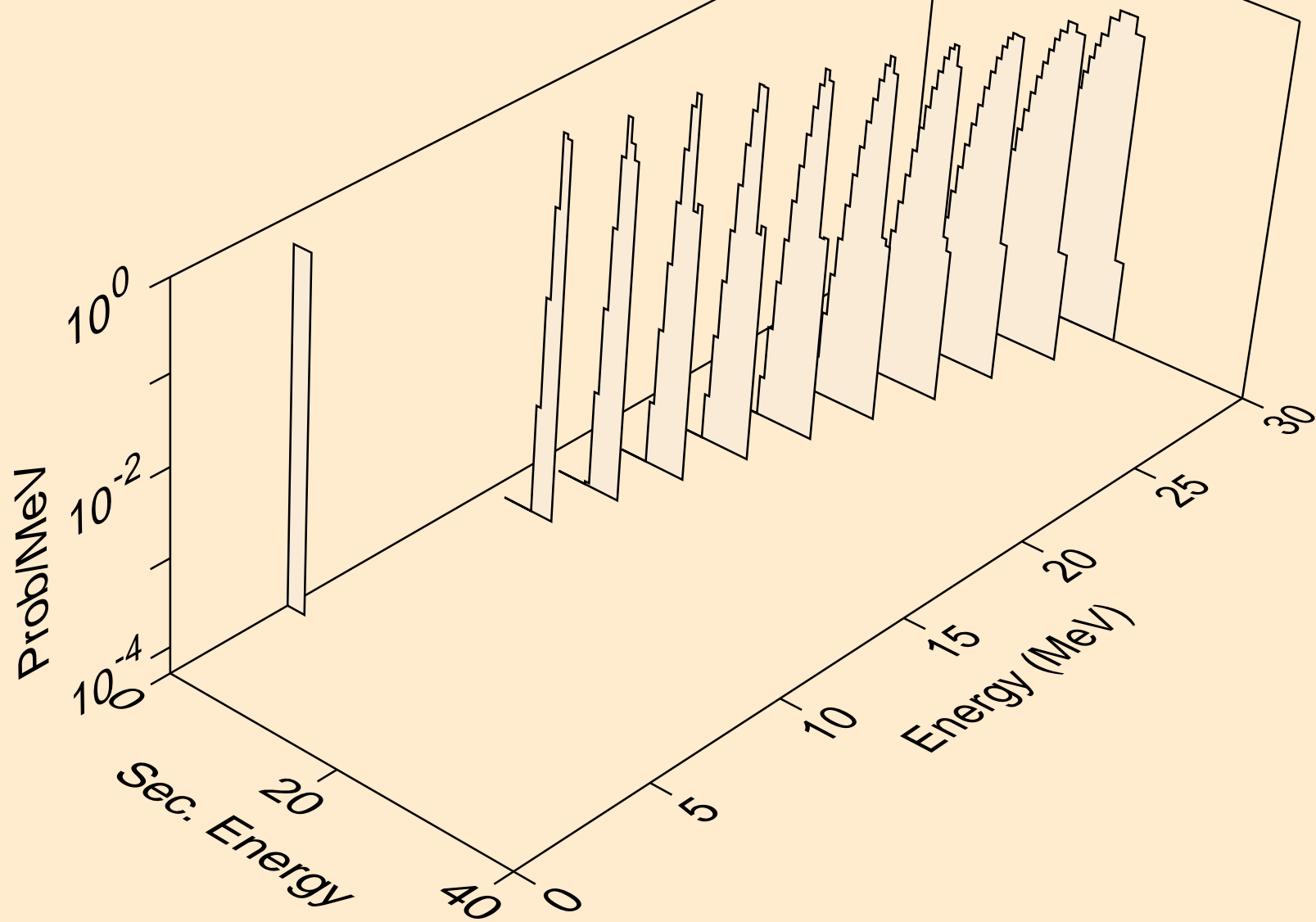




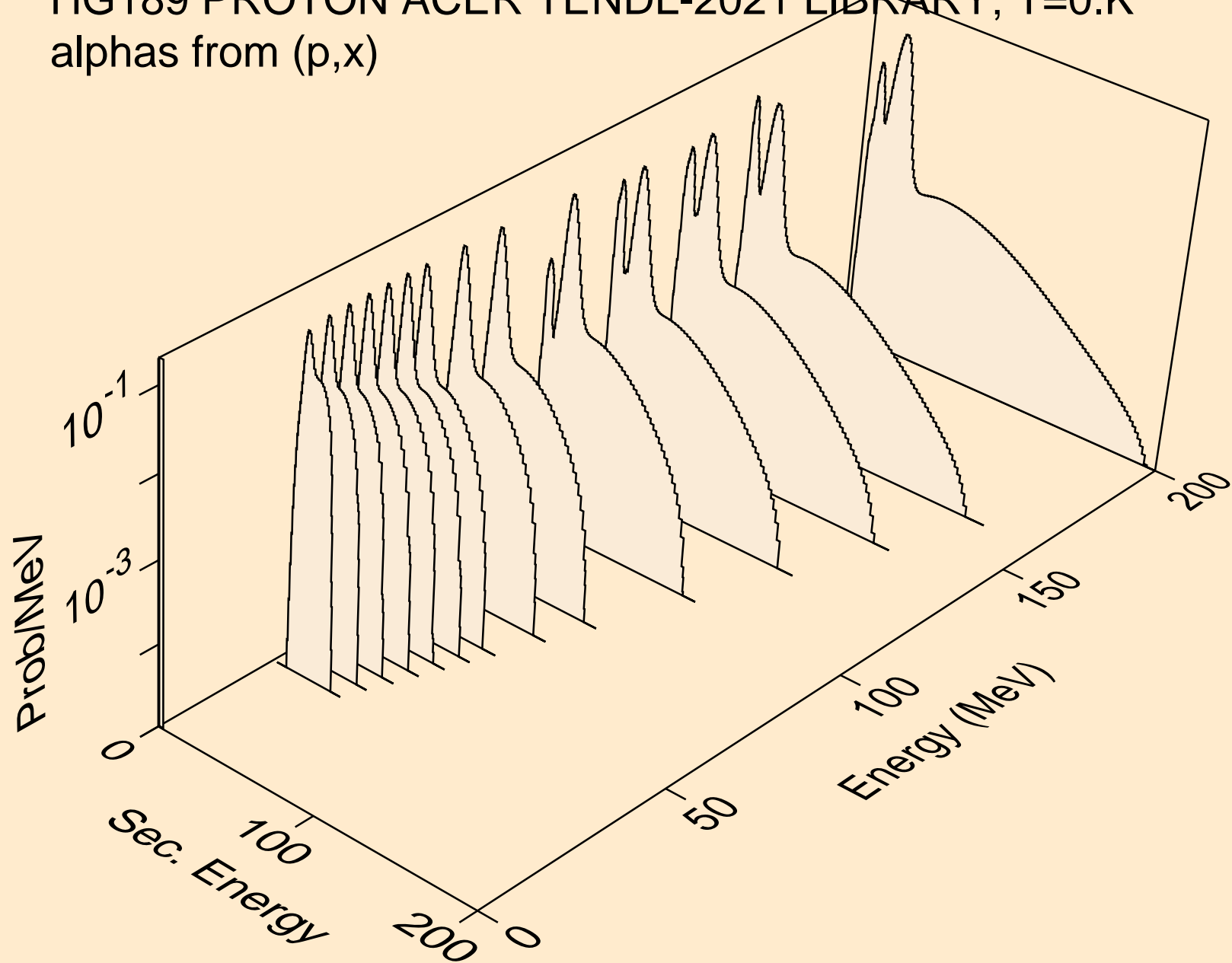
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,n\*)he3



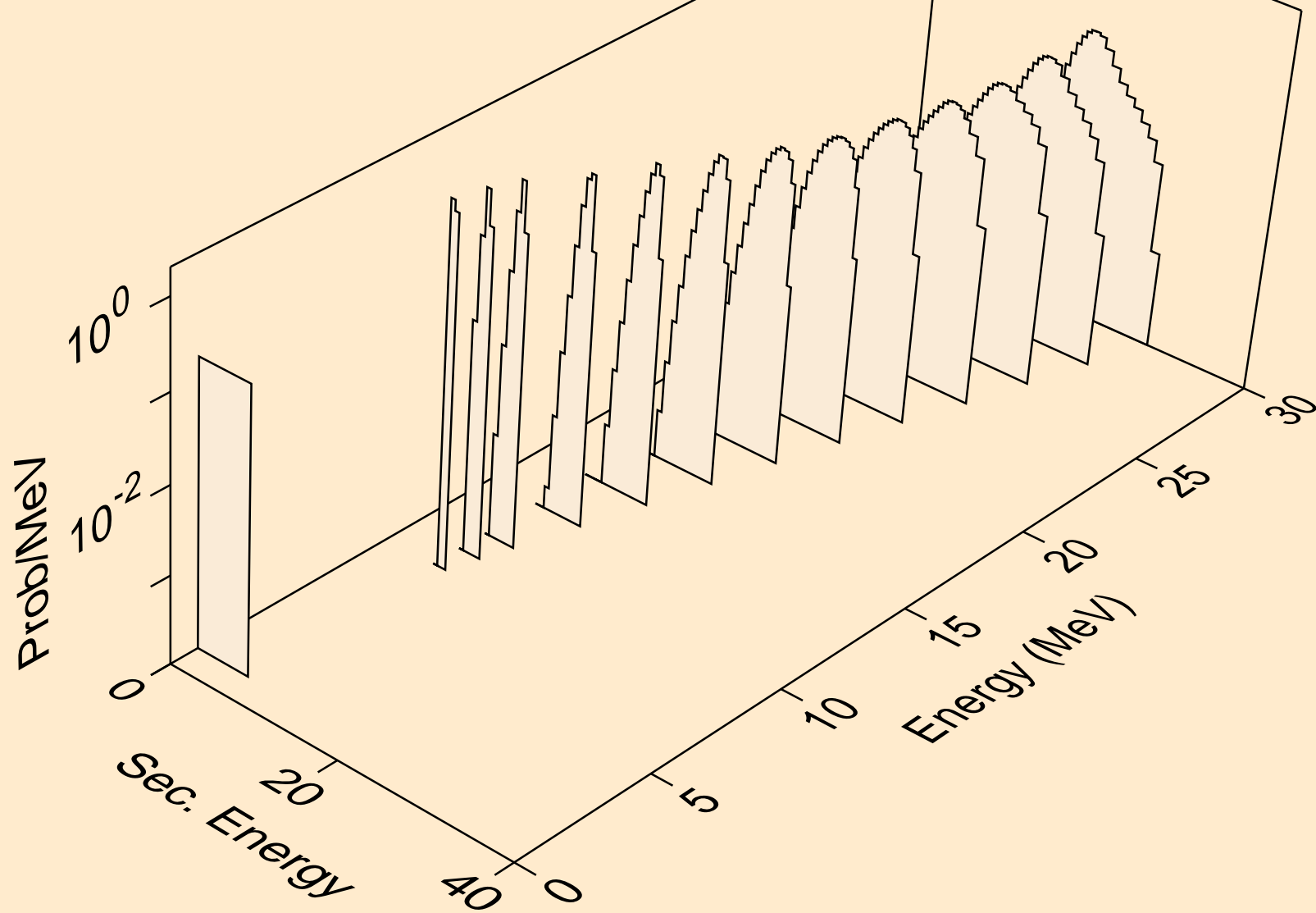
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he3s from (p,he3)



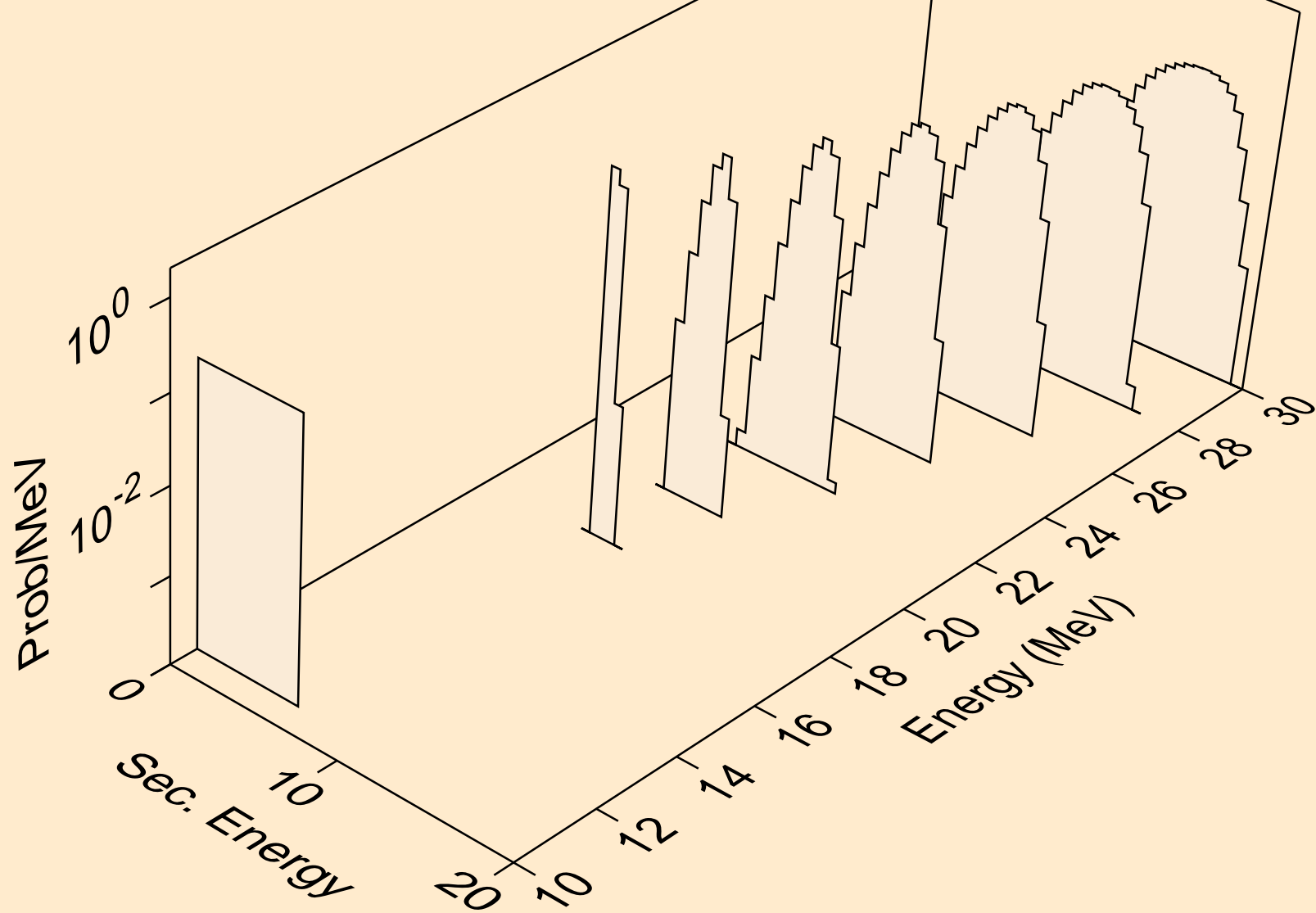
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,x)



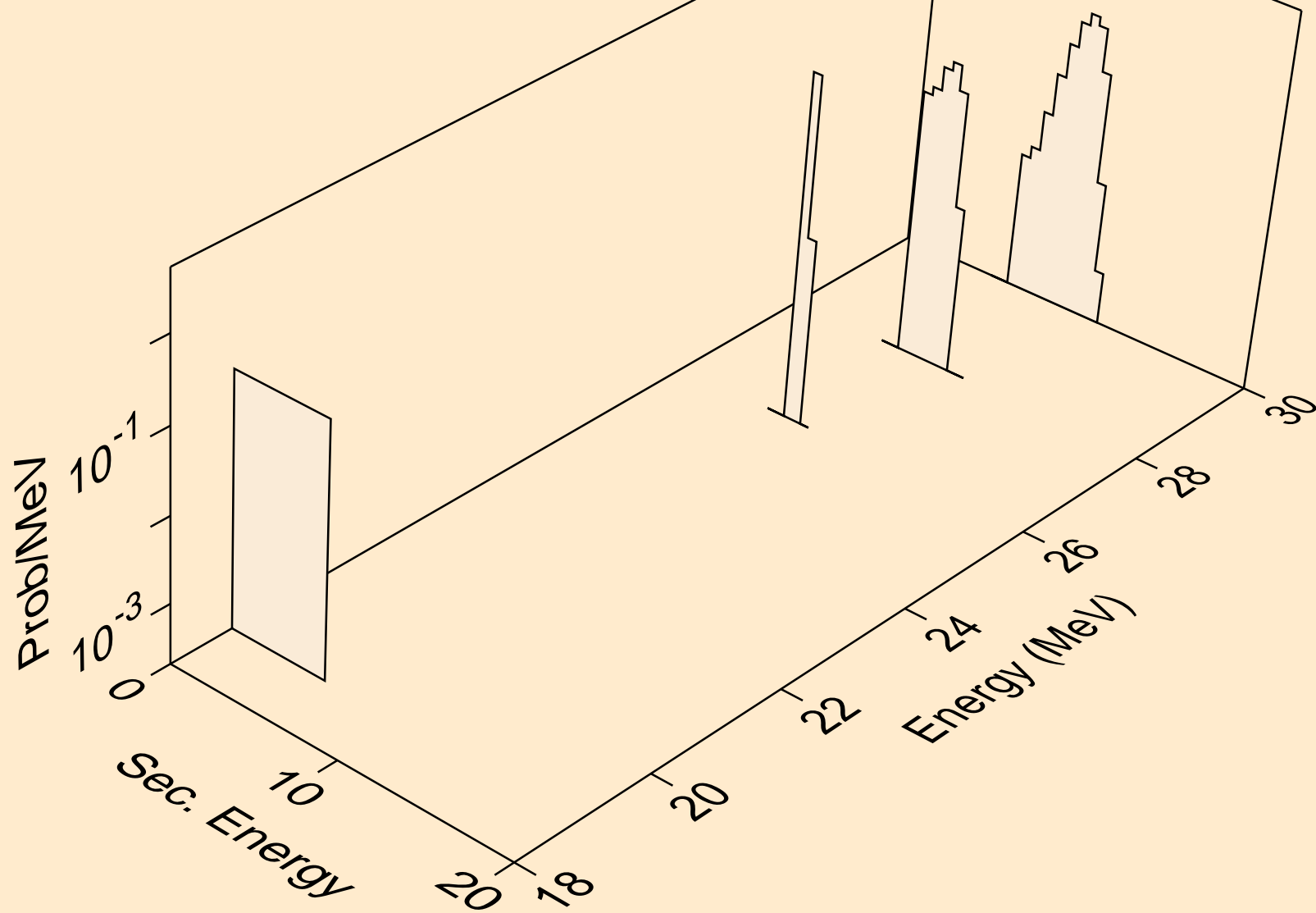
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)a



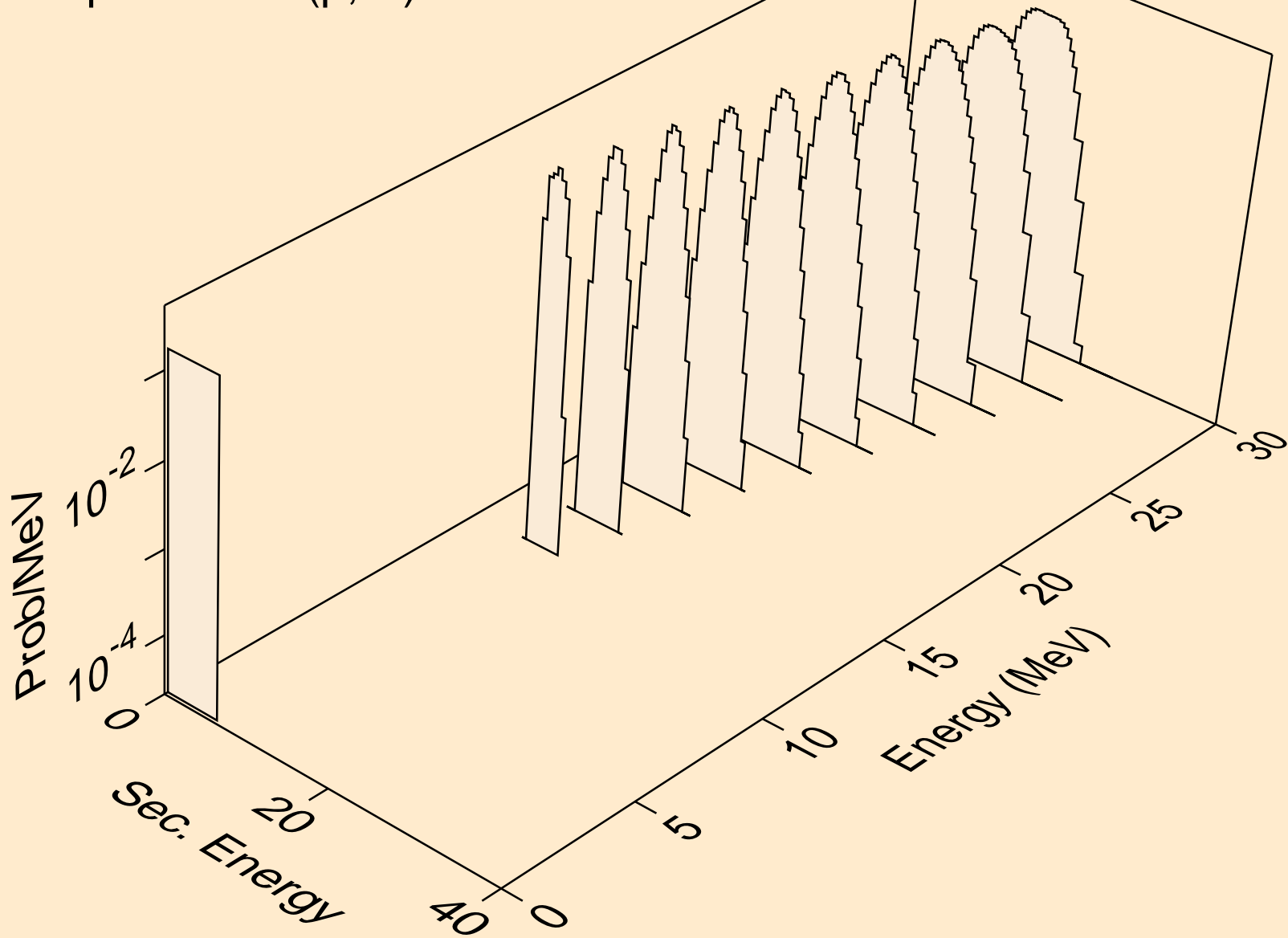
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2n)a



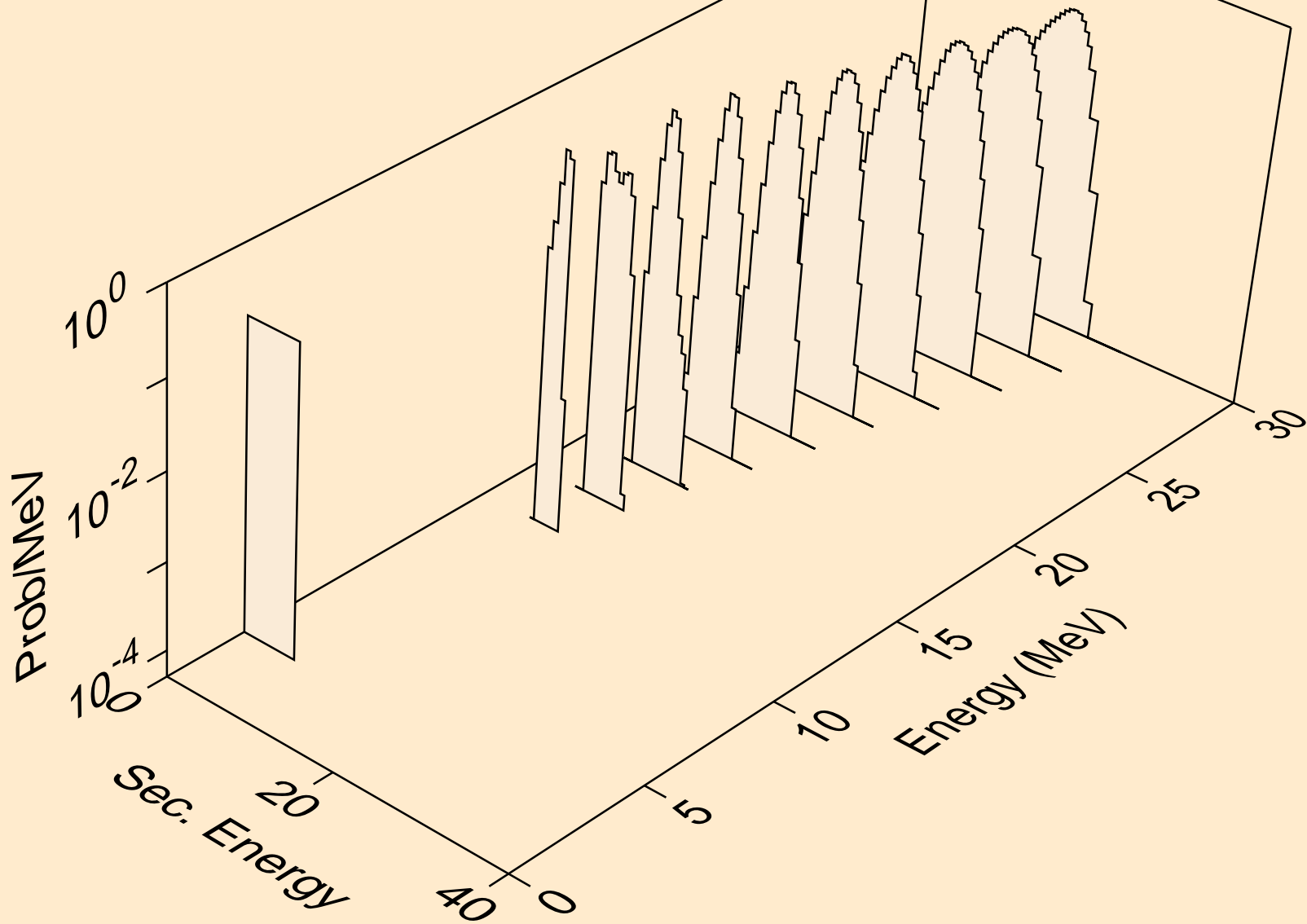
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,3n)a



HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)2a

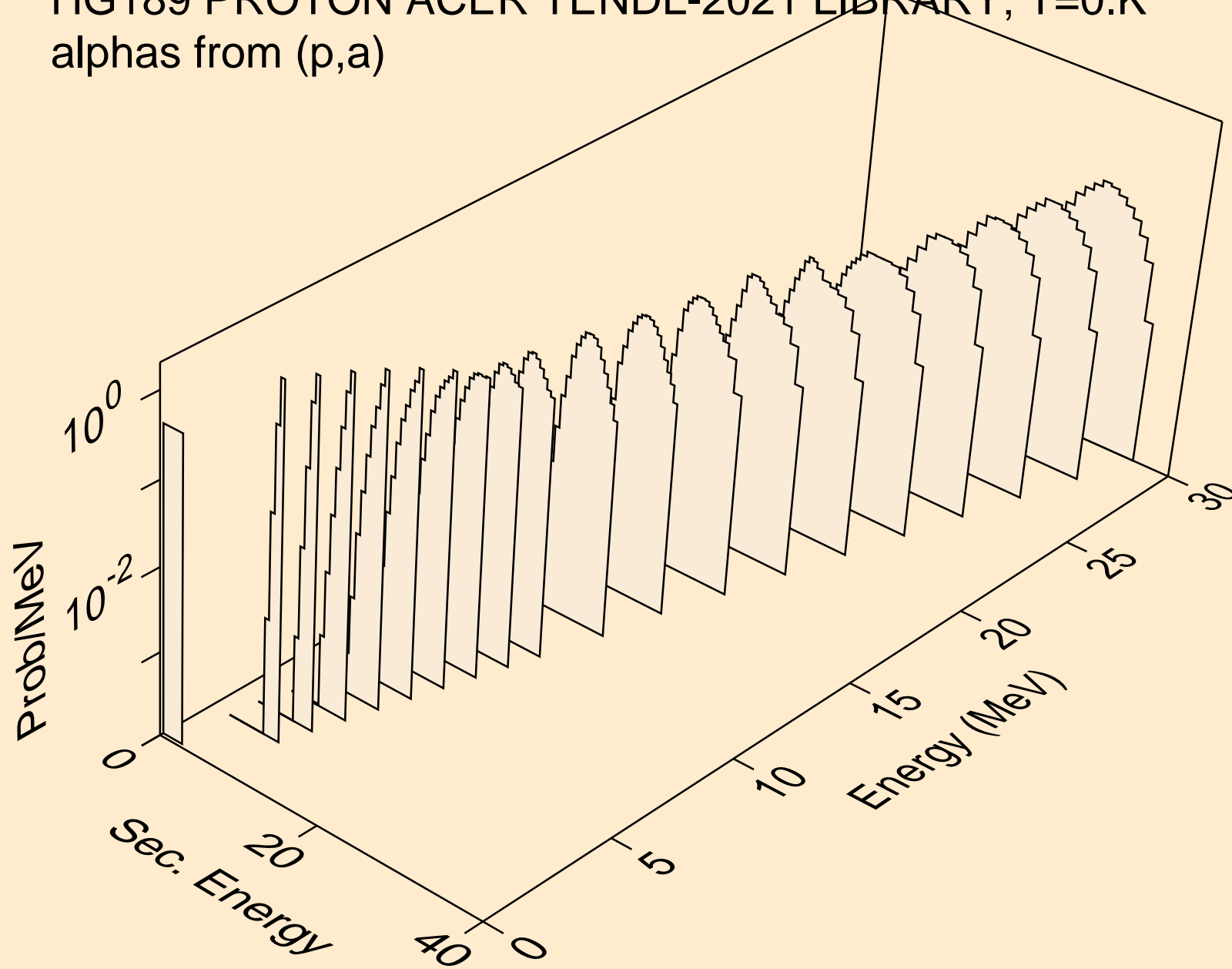


HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,npa)

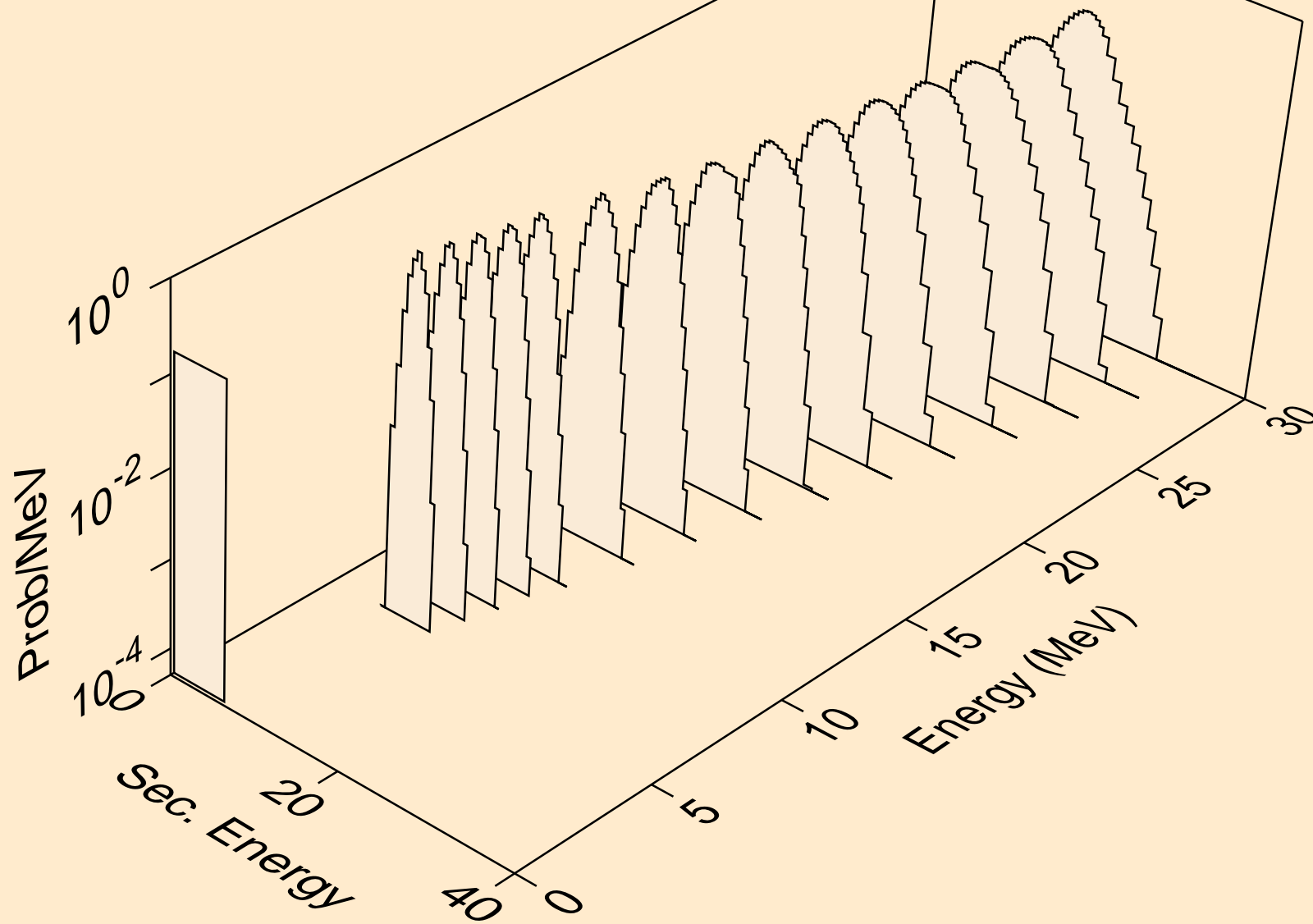




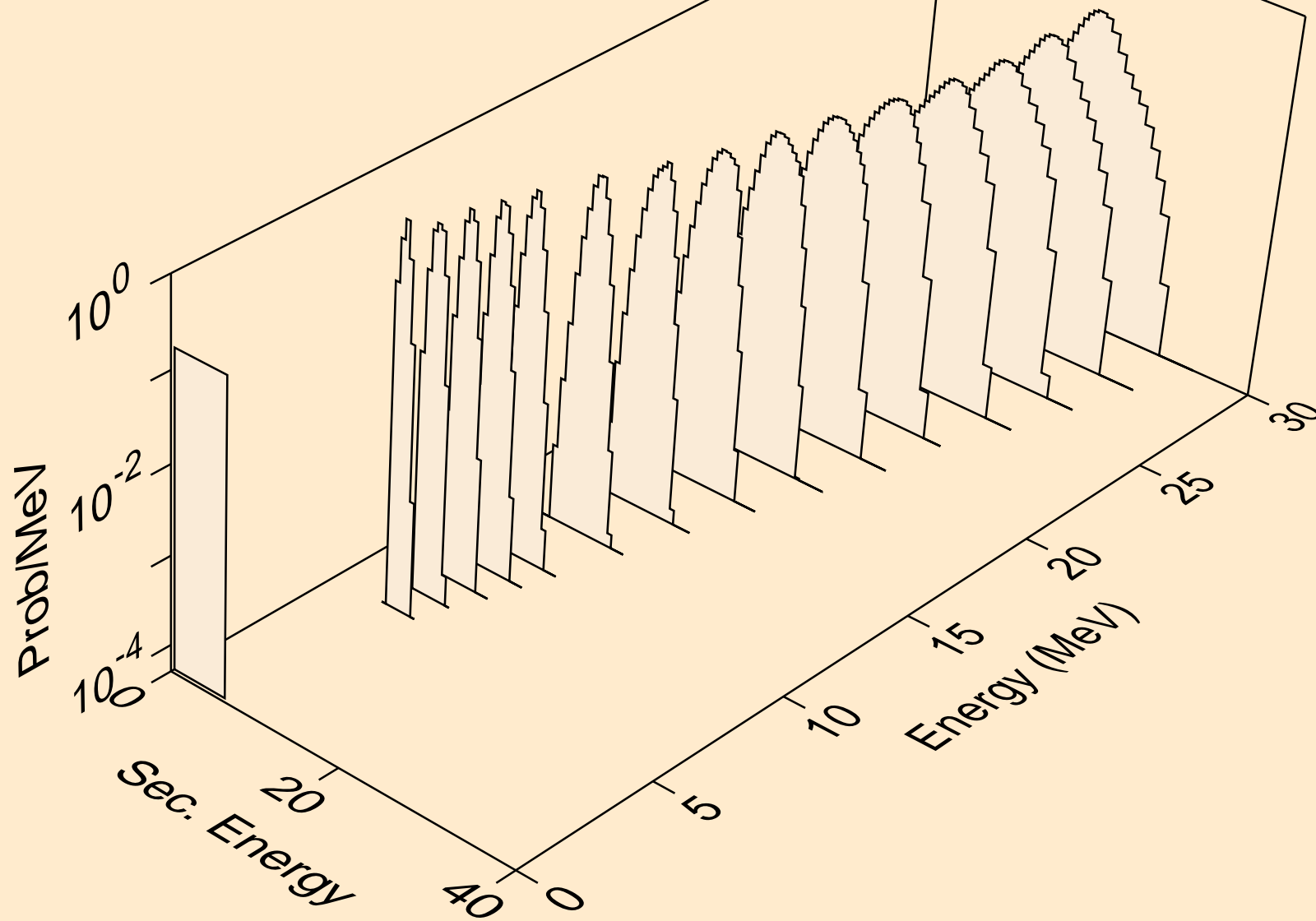
HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,a)



HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2a)



HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,pa)



HG189 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,da)

