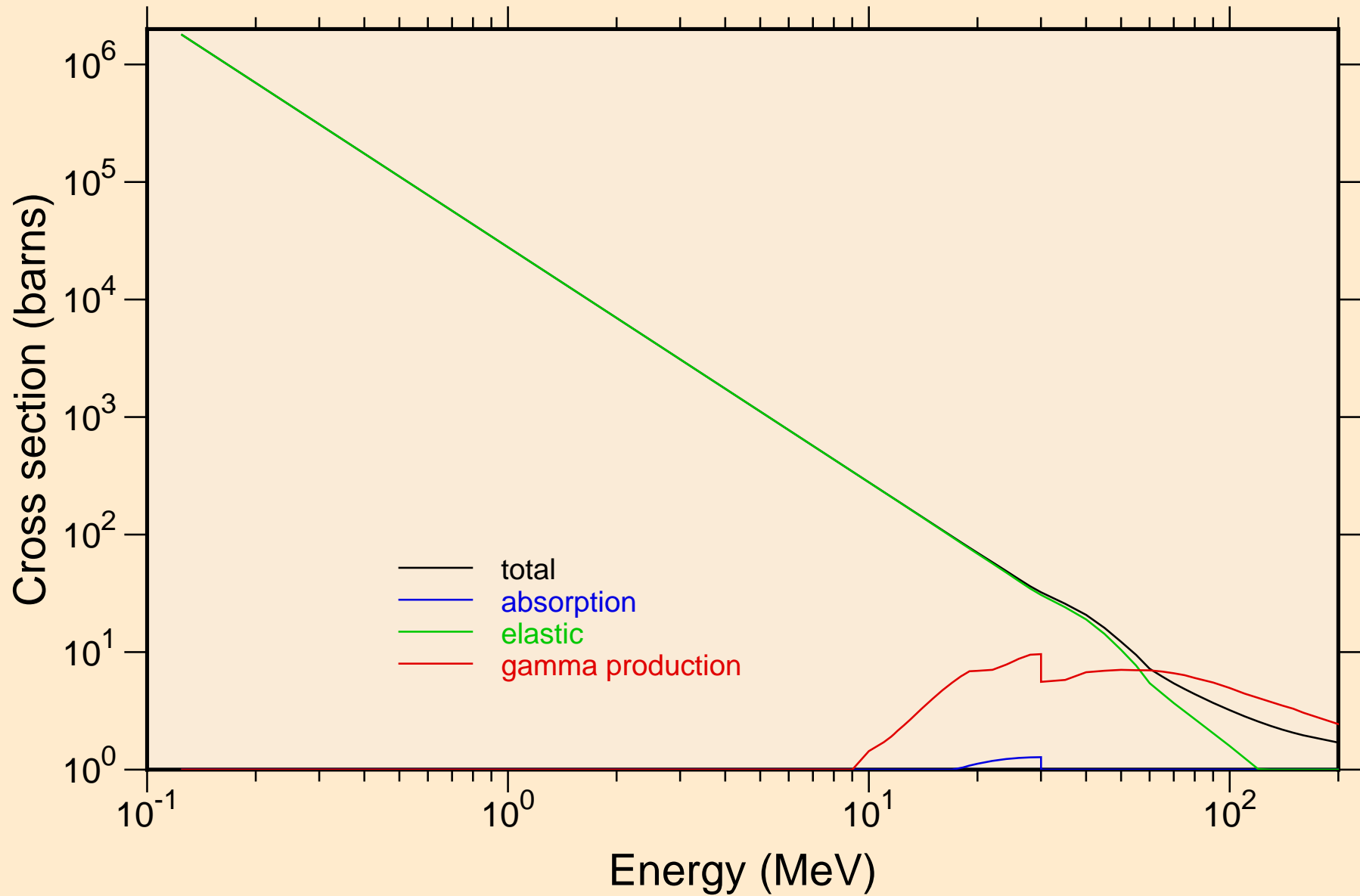
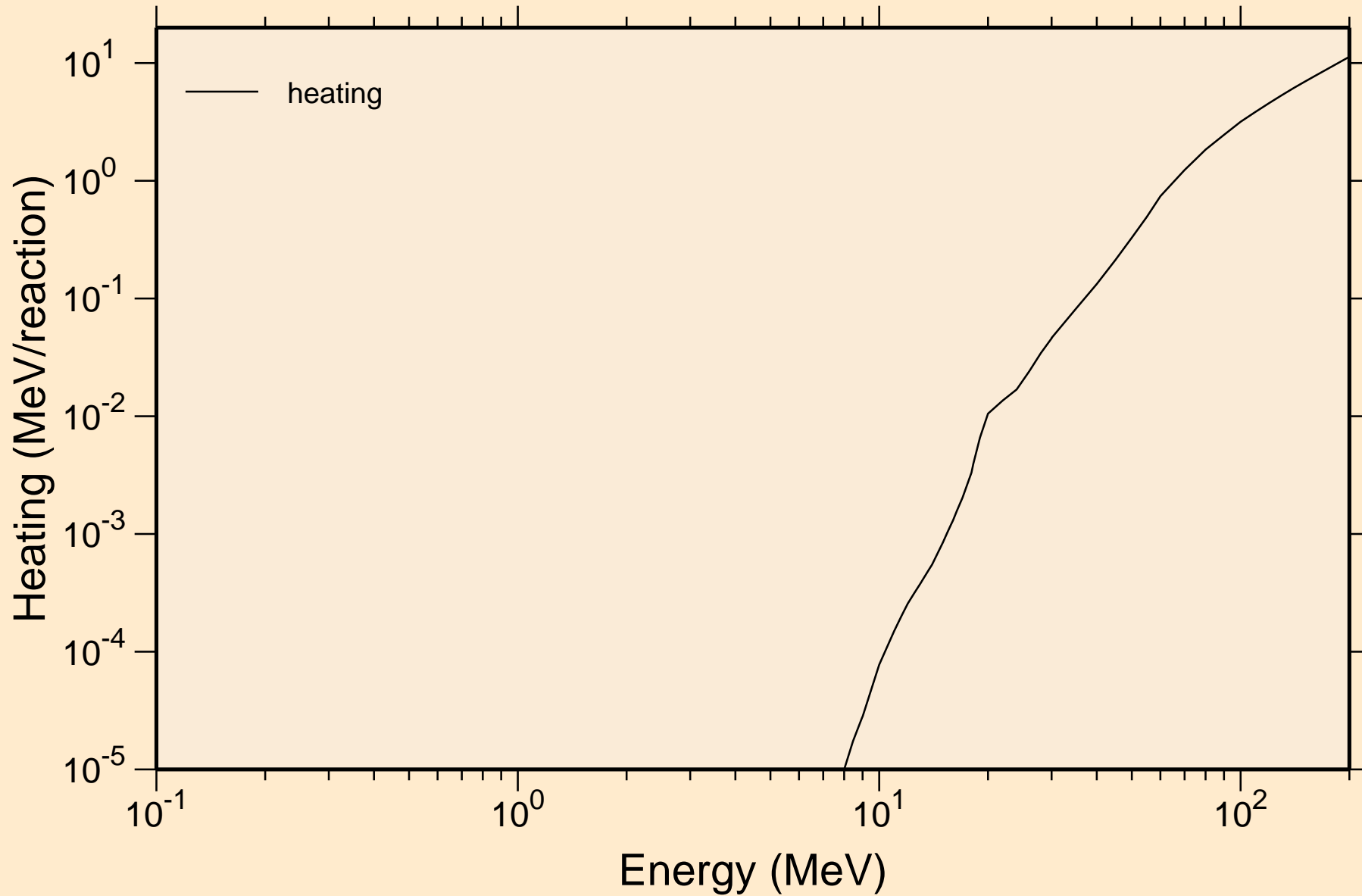


# HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections

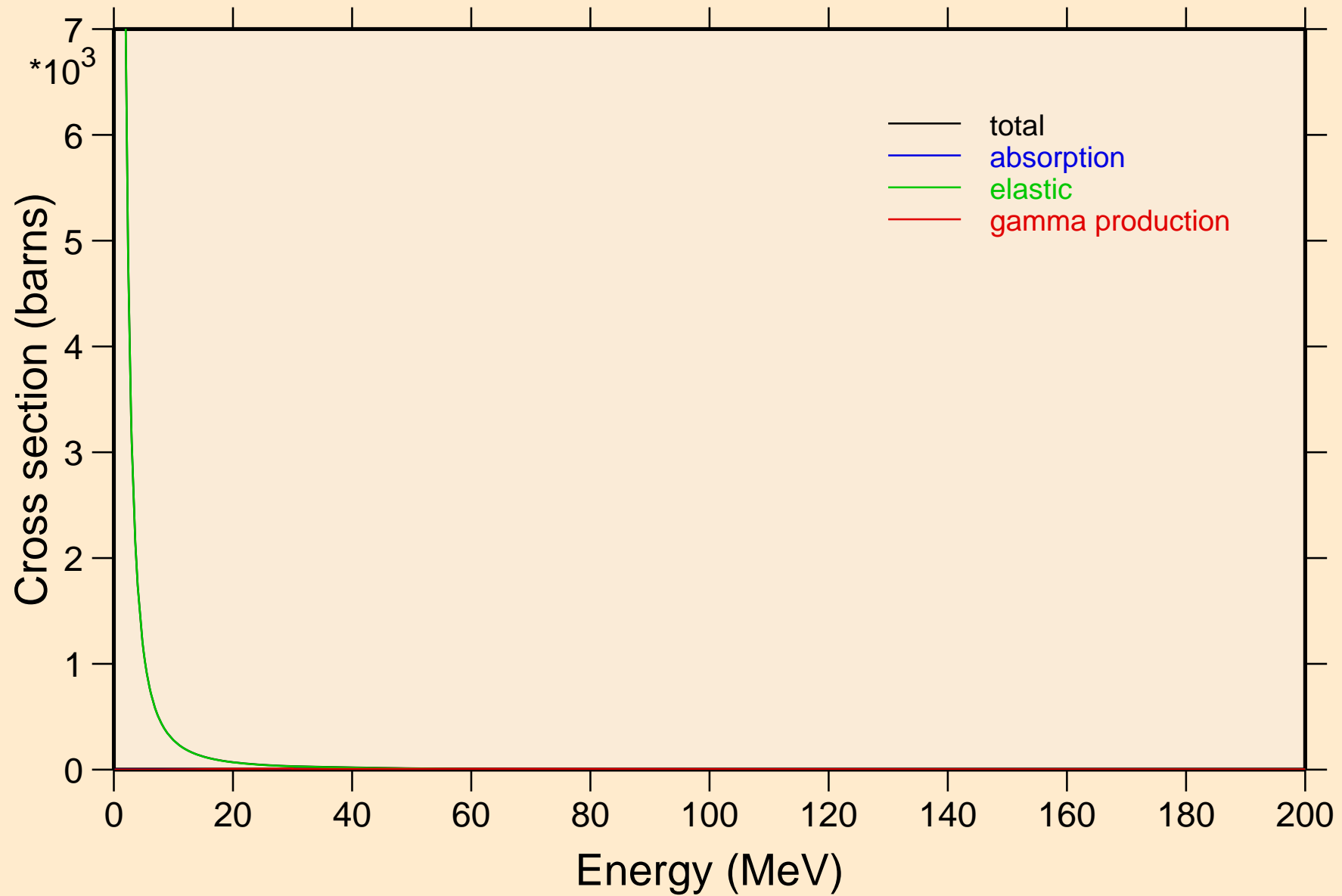


HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Heating



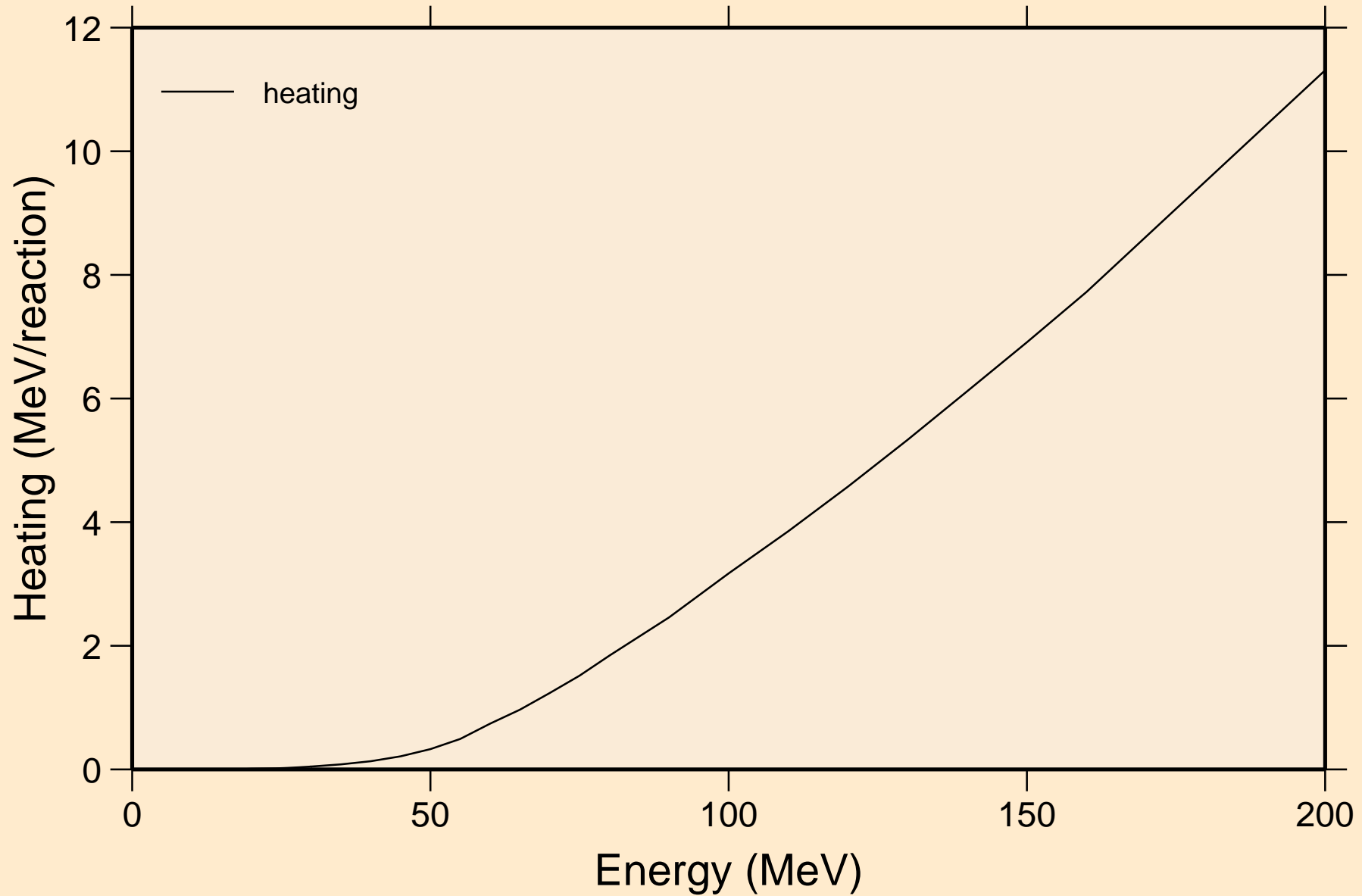
# HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



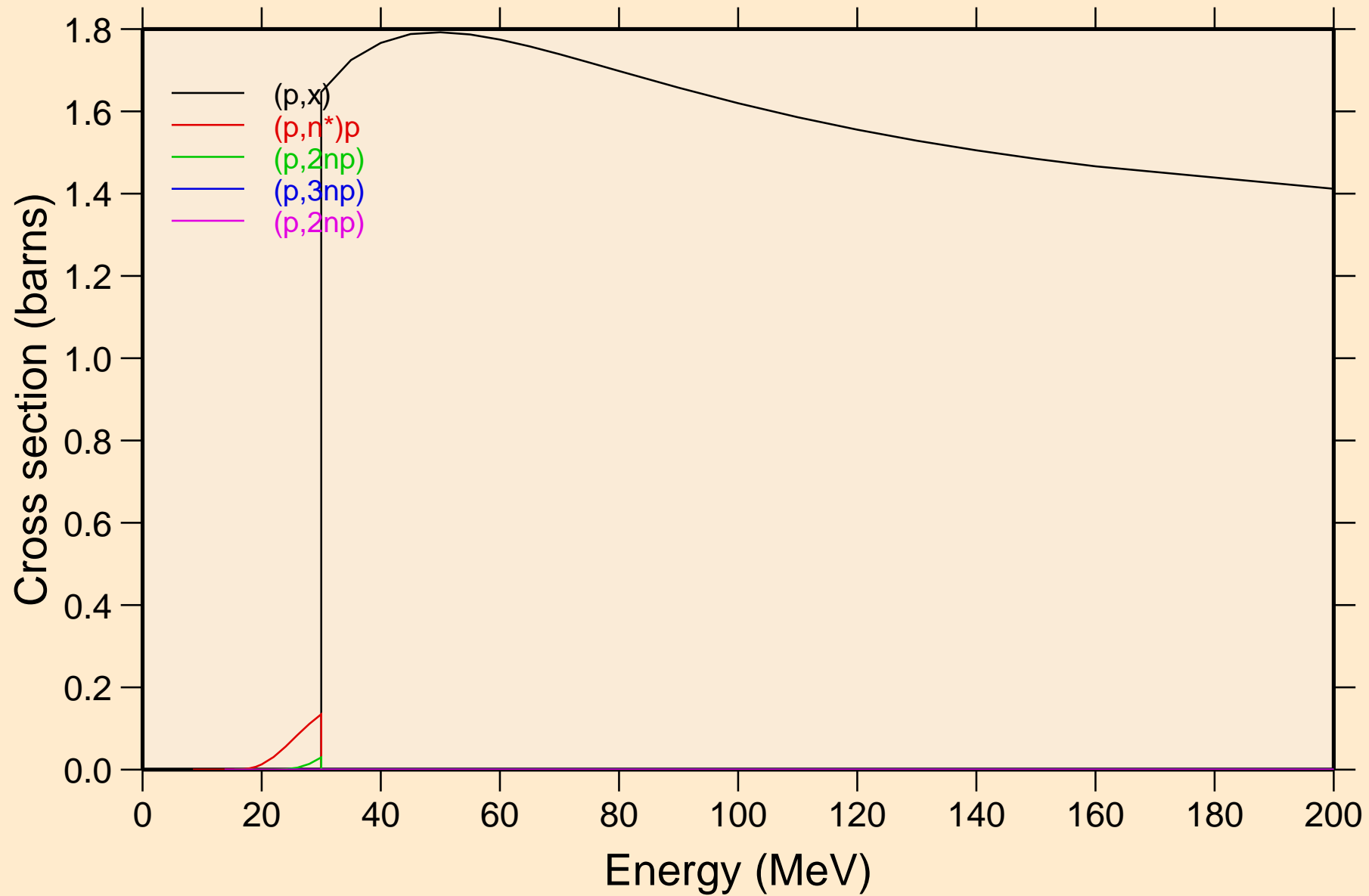
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K

Heating



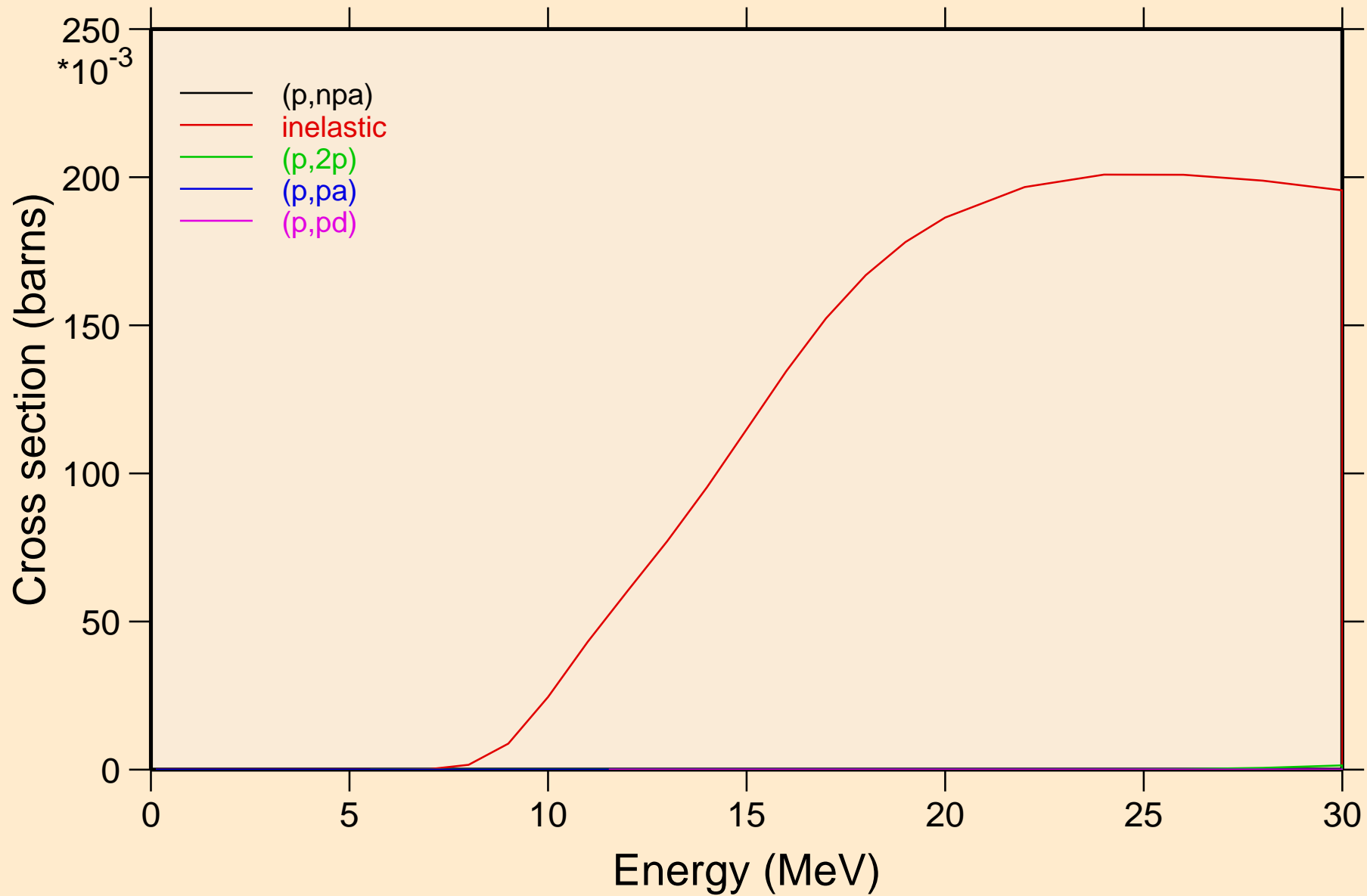
# HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions



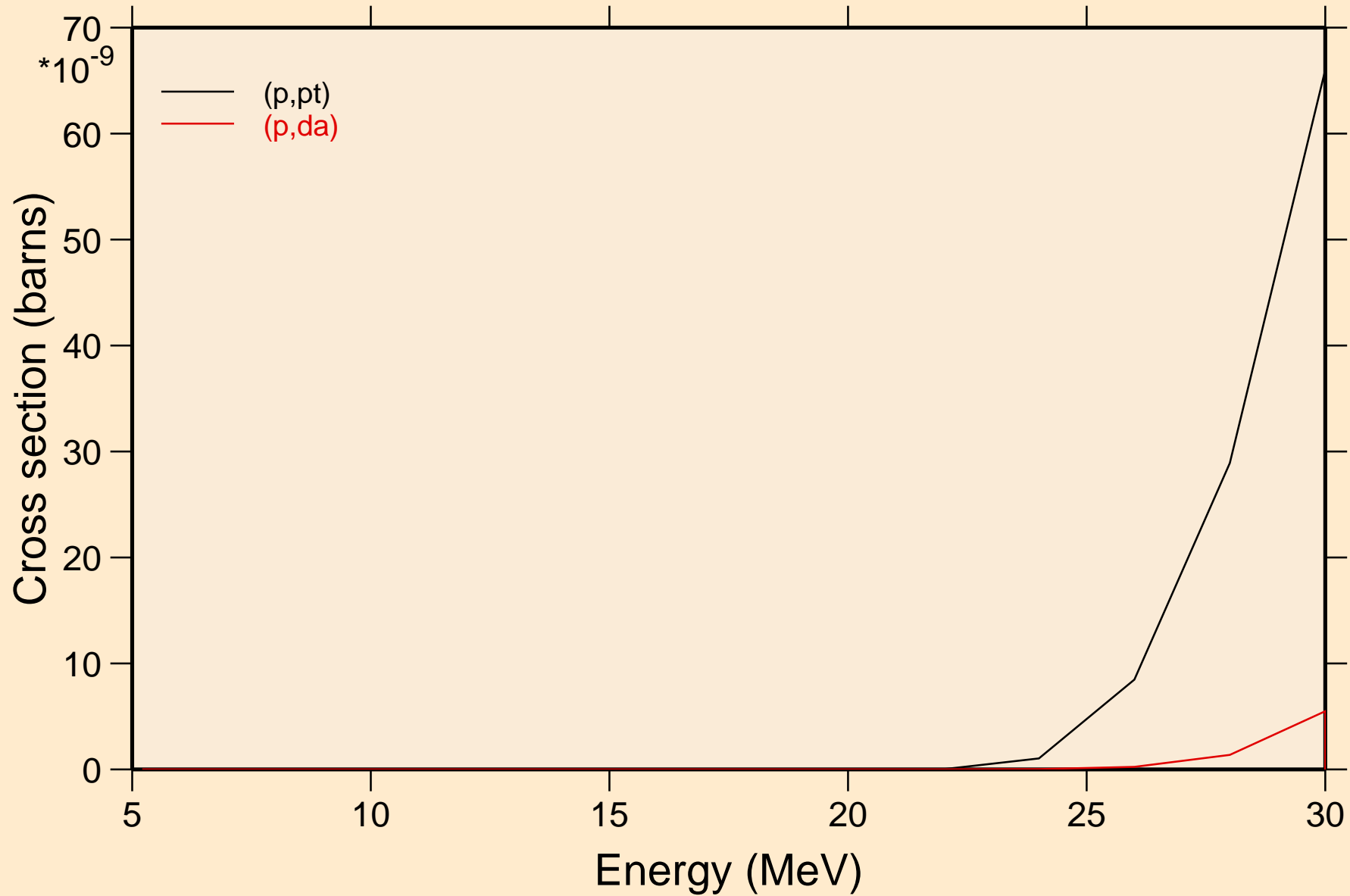
# HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions

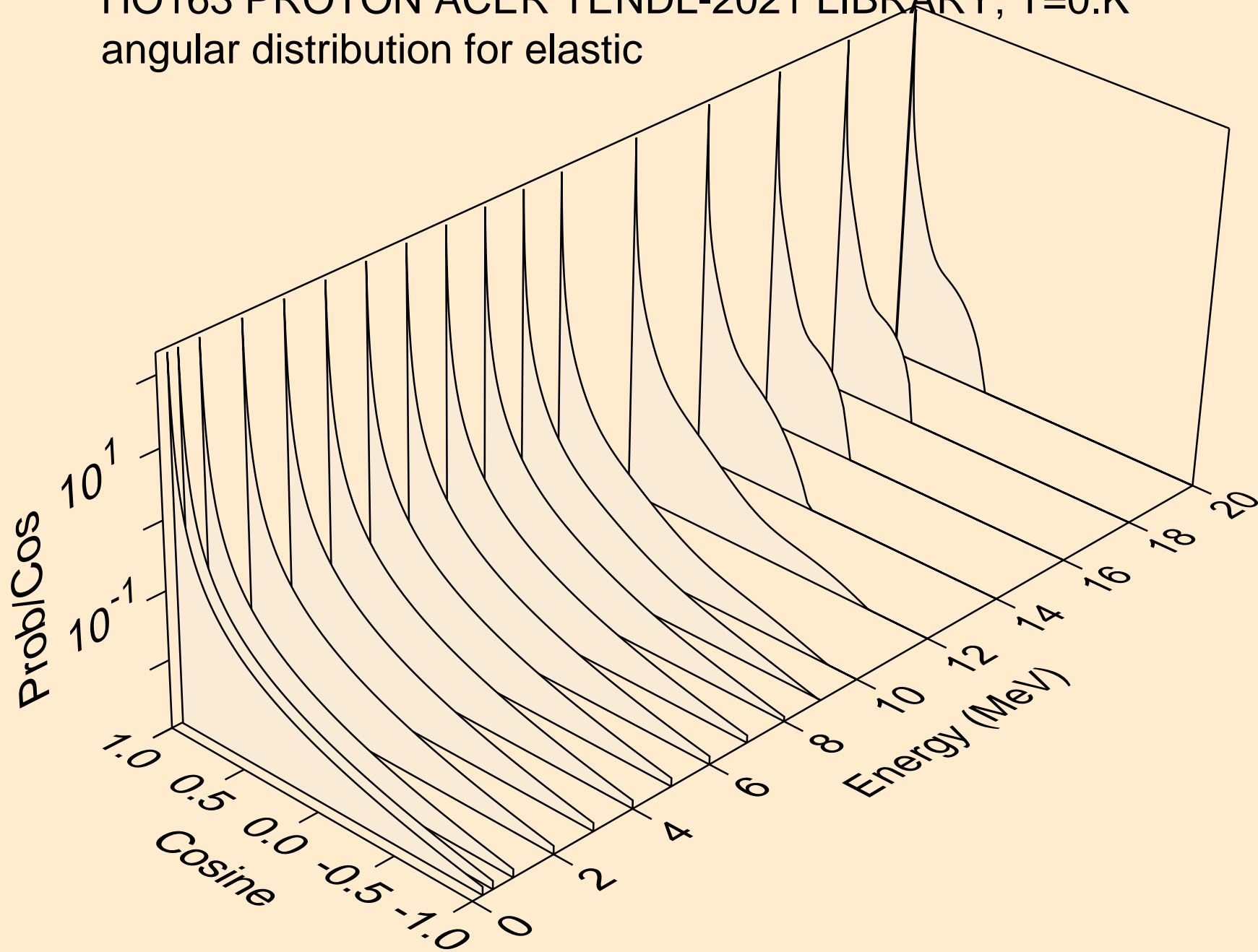


# HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions

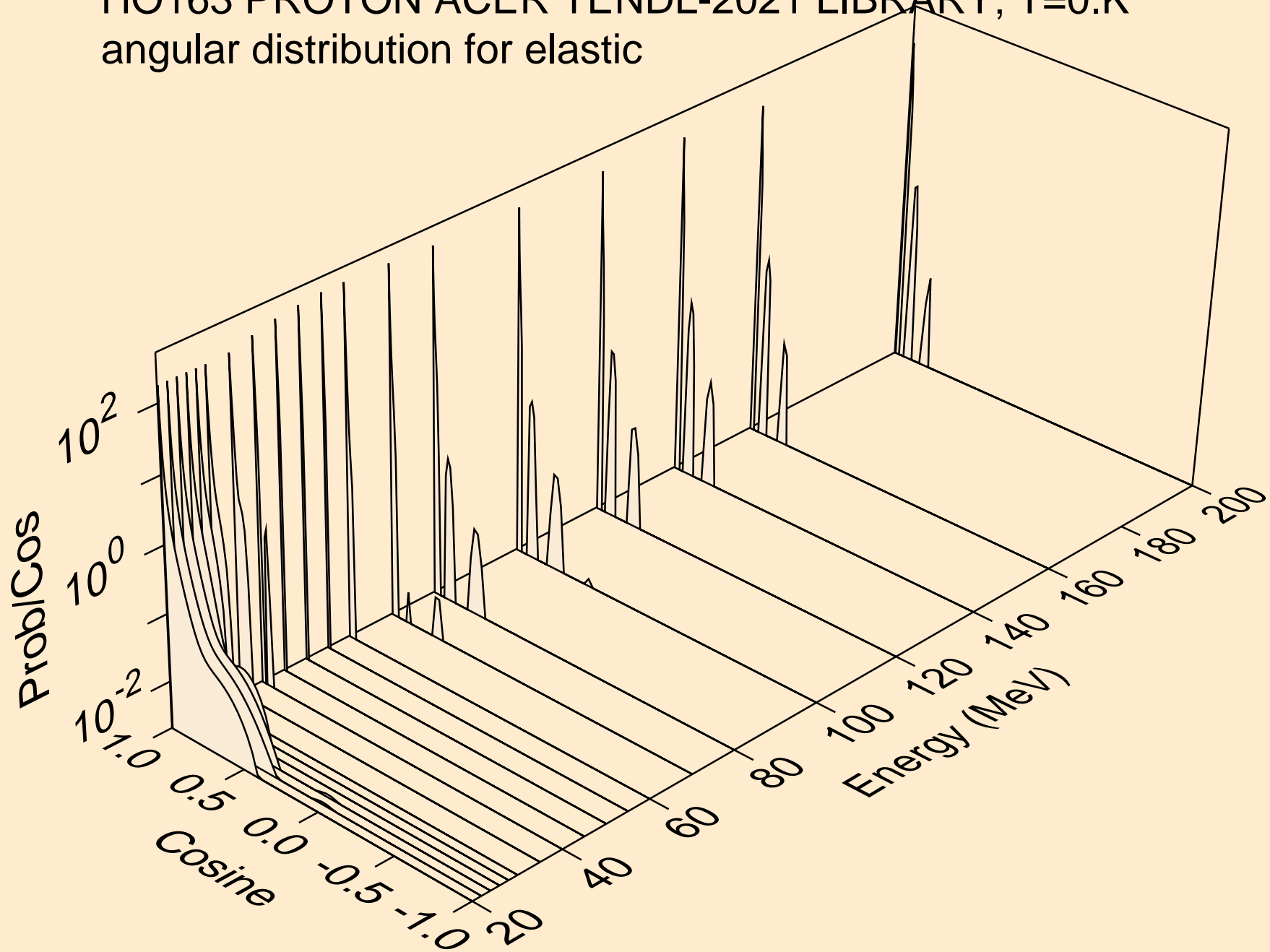


HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic

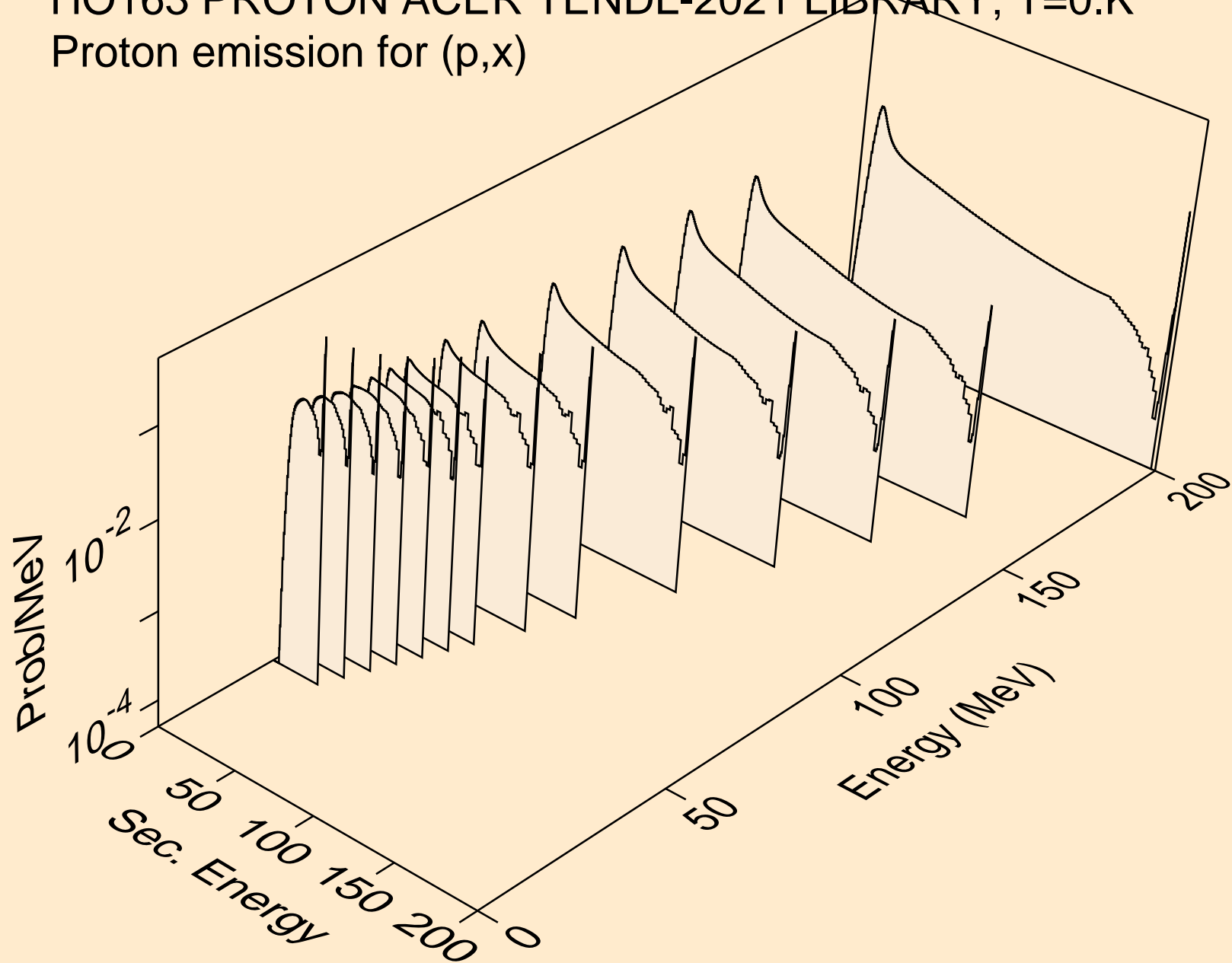




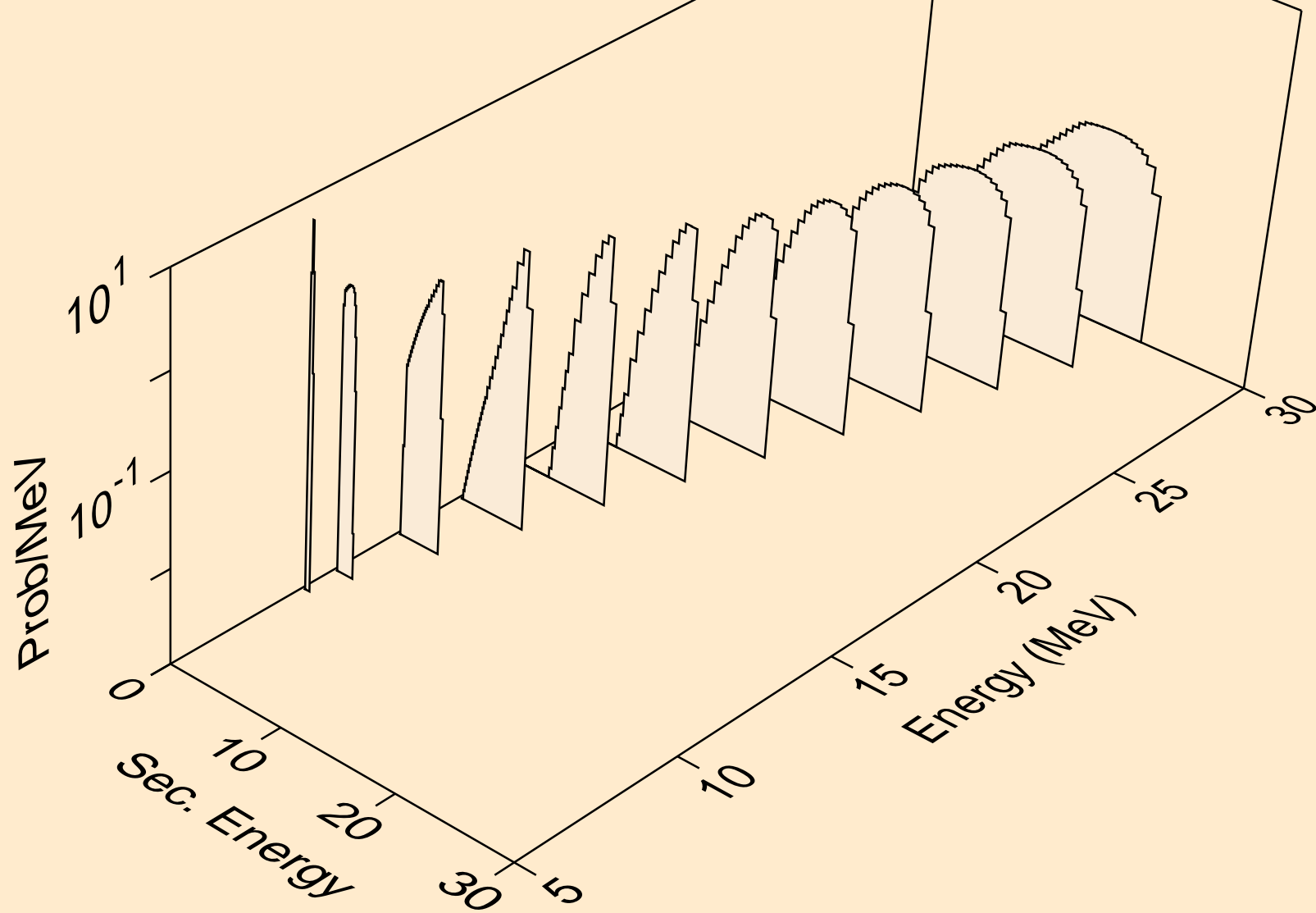
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



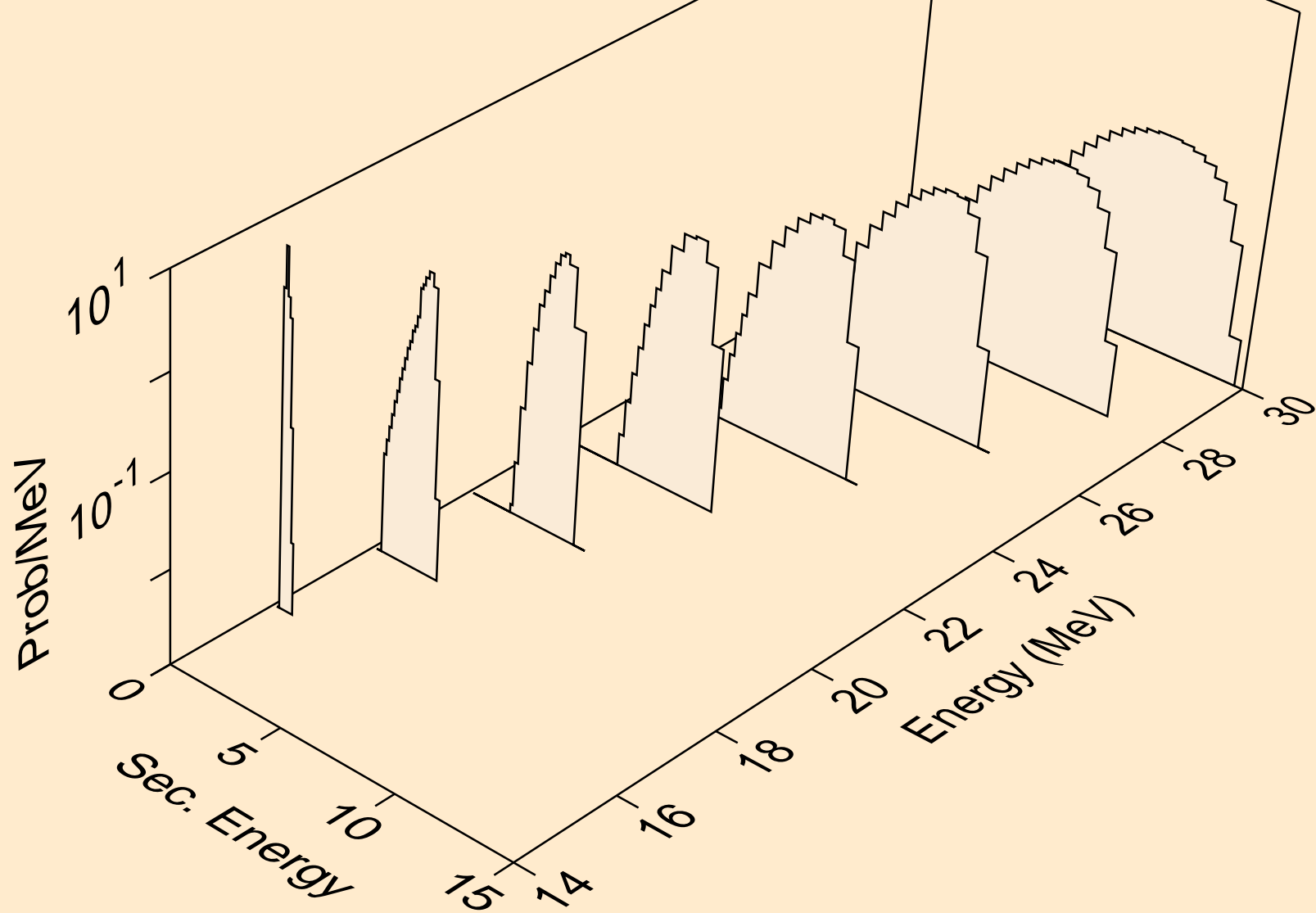
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,x)



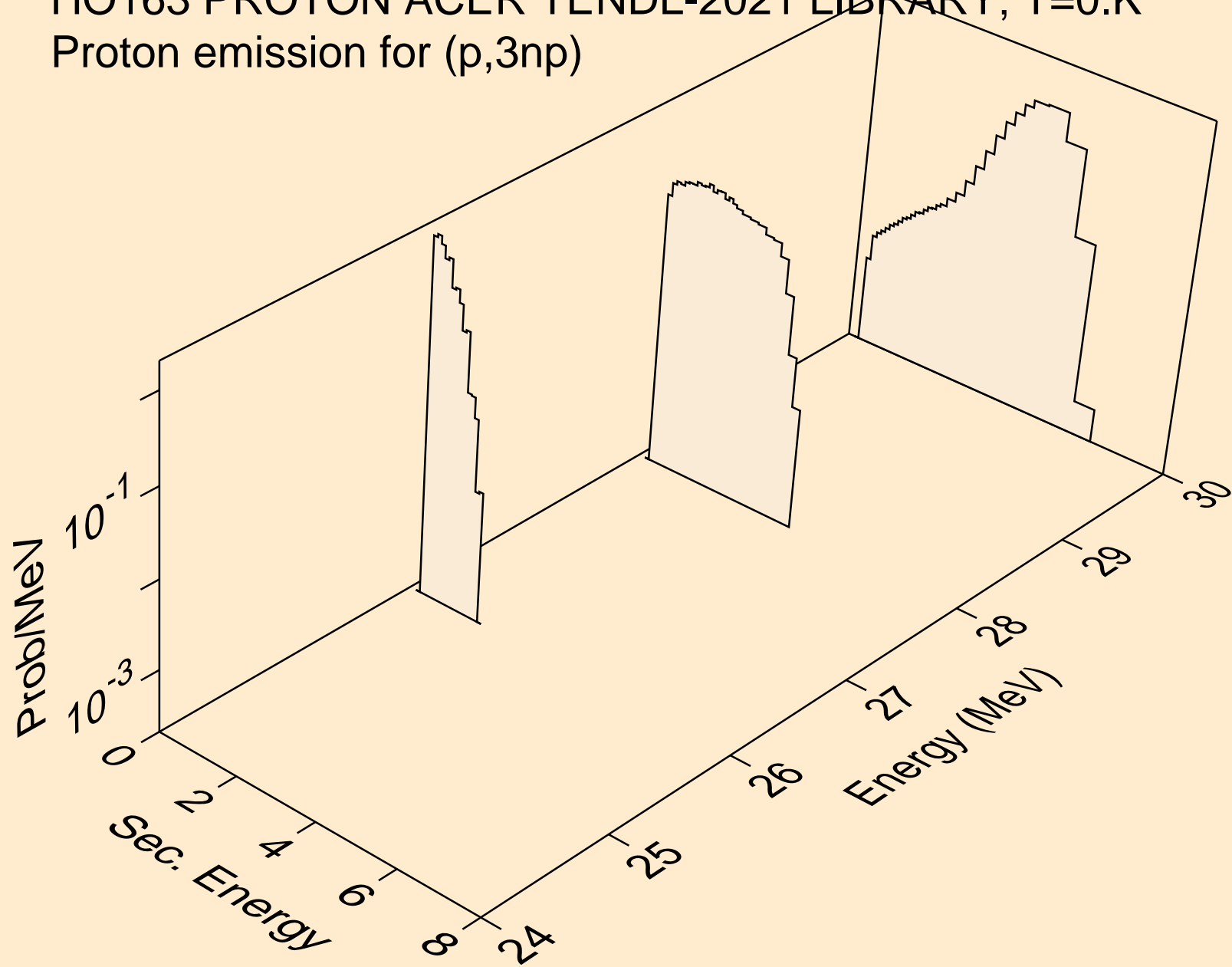
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



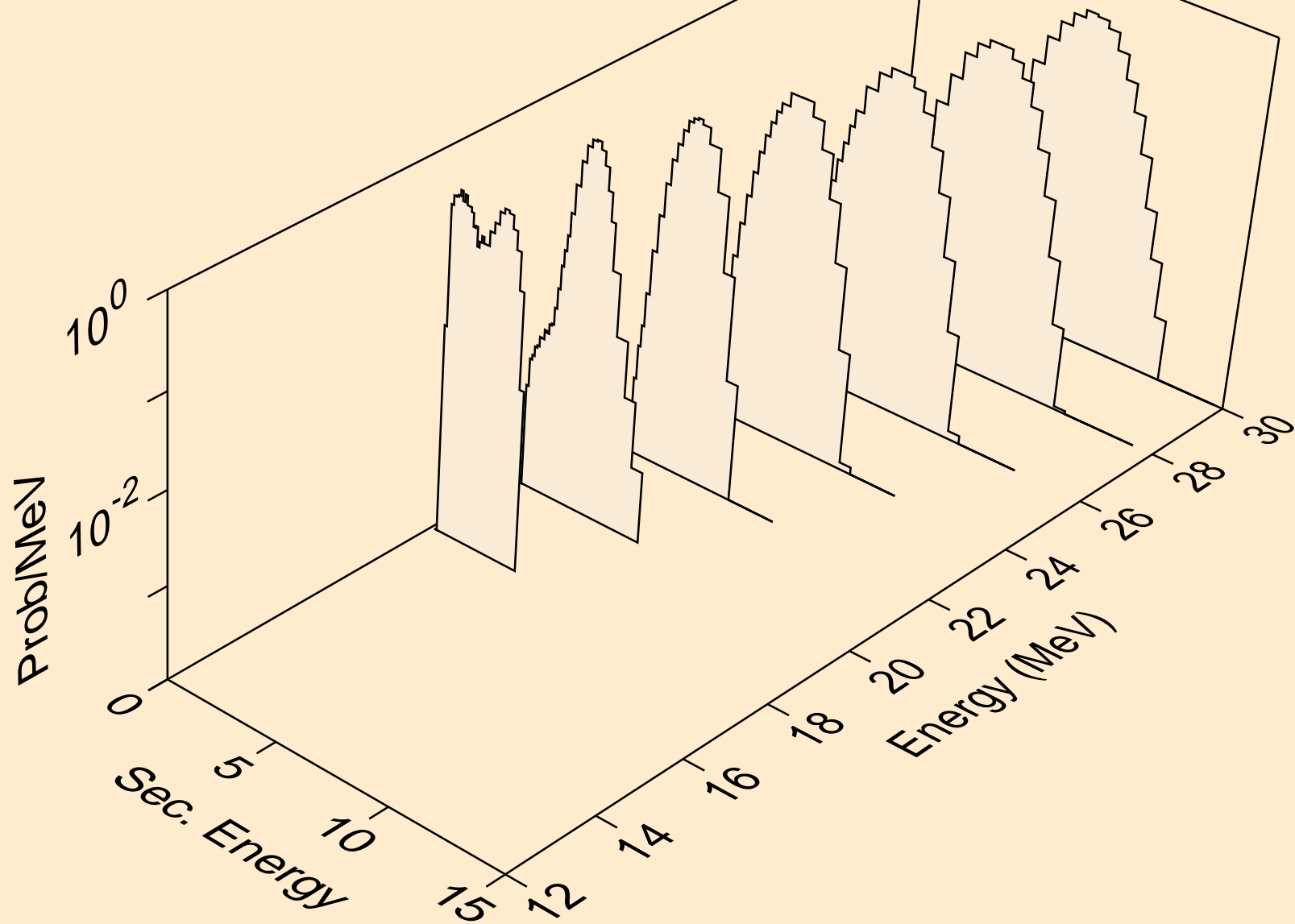
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



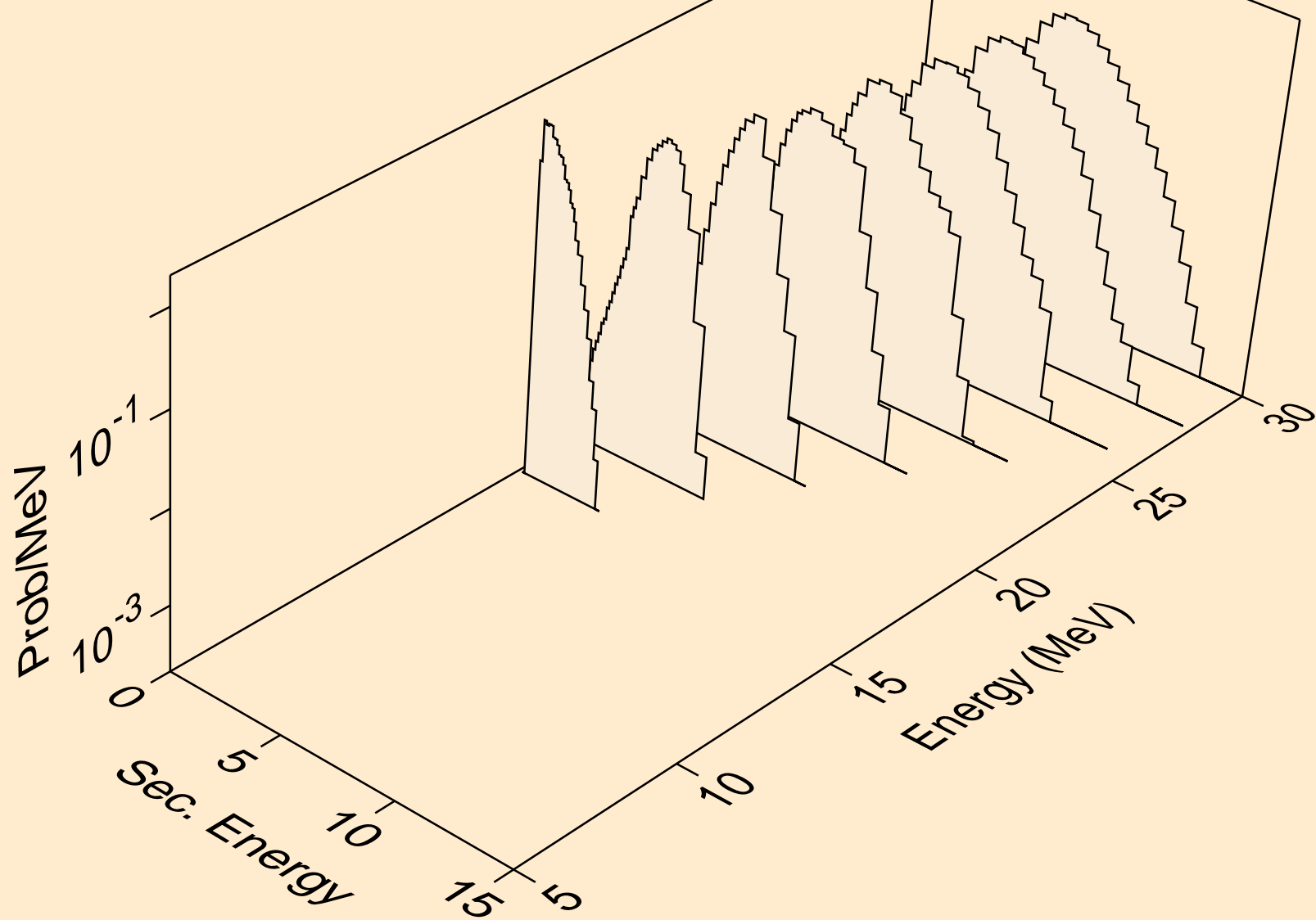
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,3np)



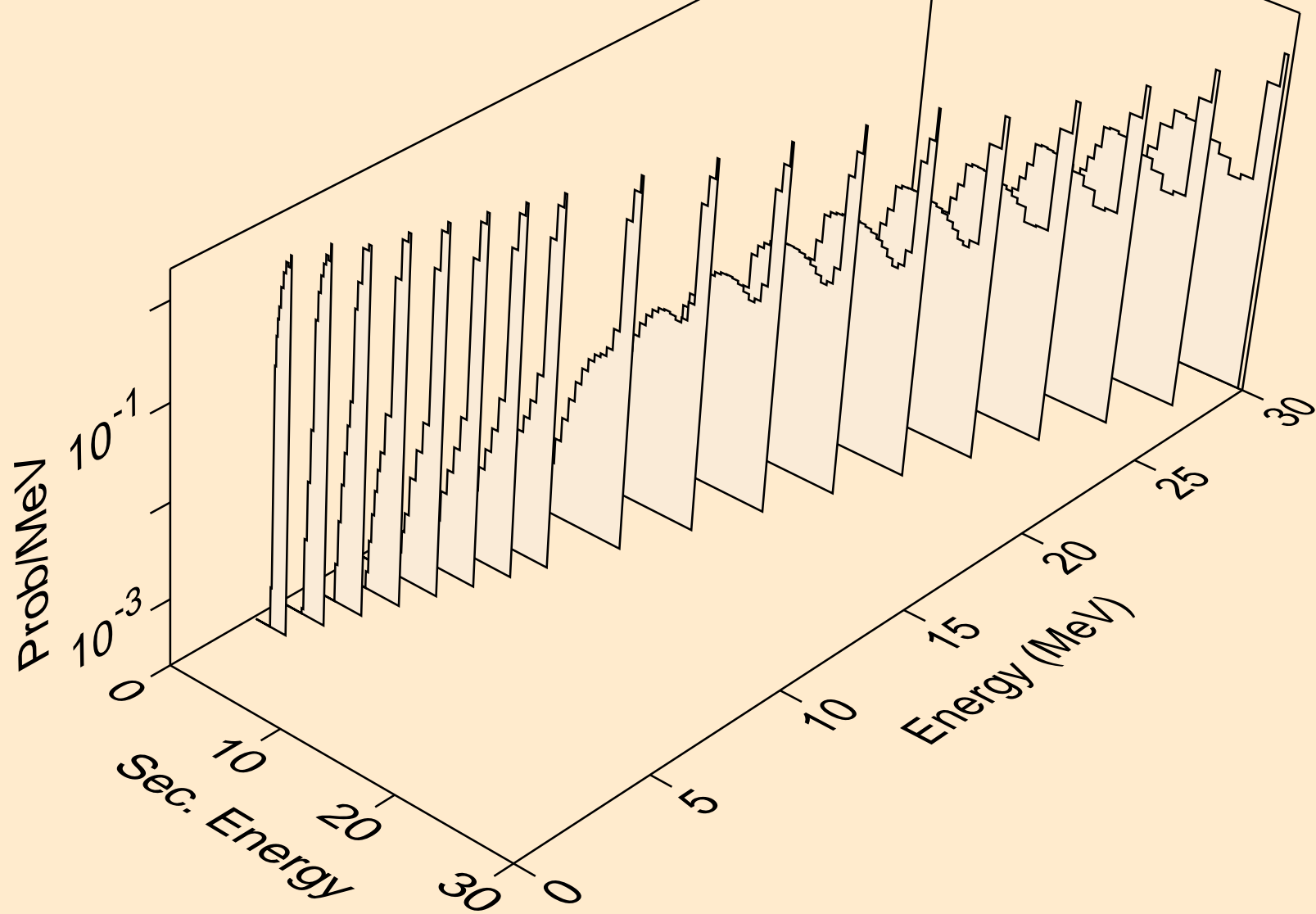
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,npa)

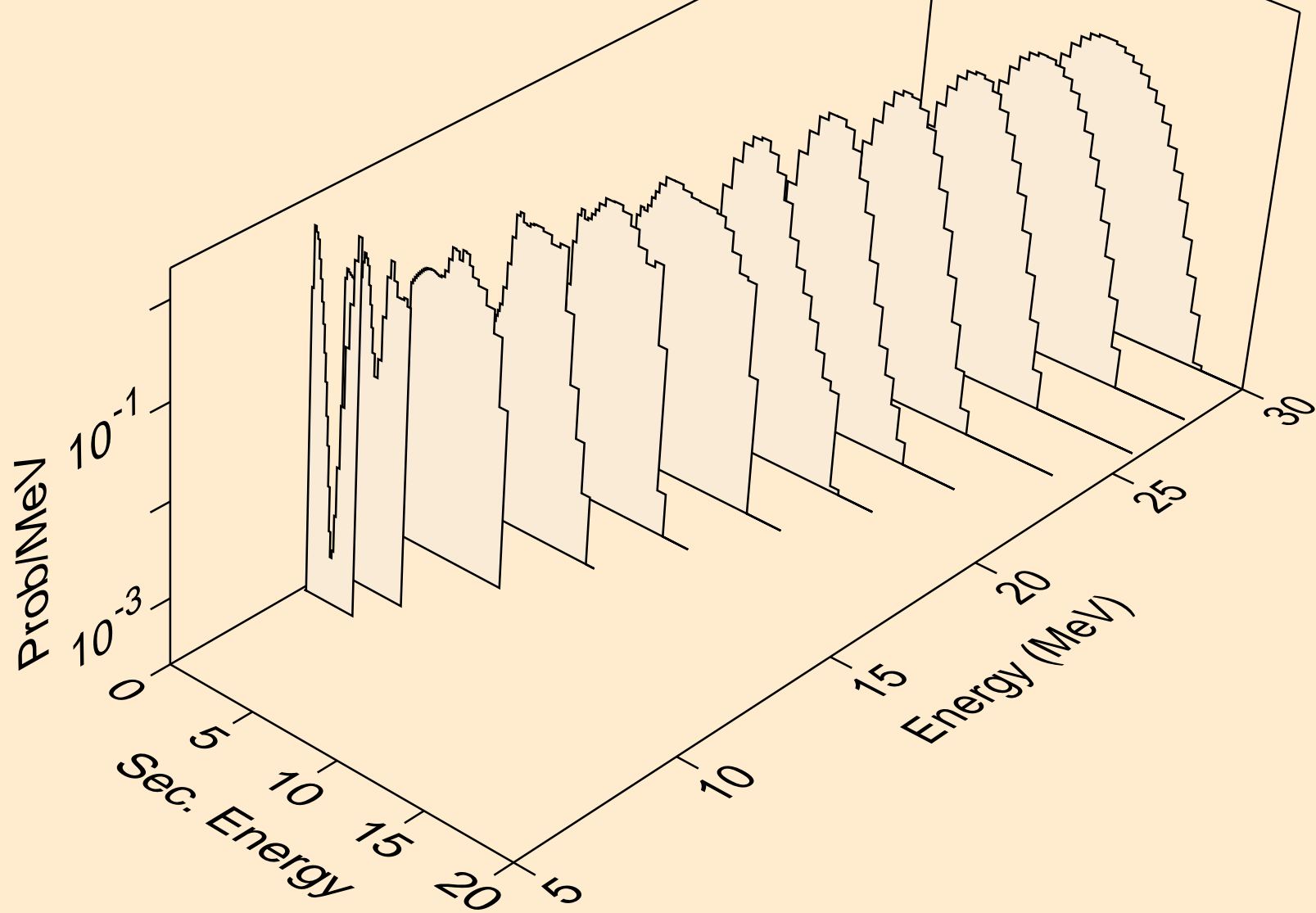


HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for inelastic

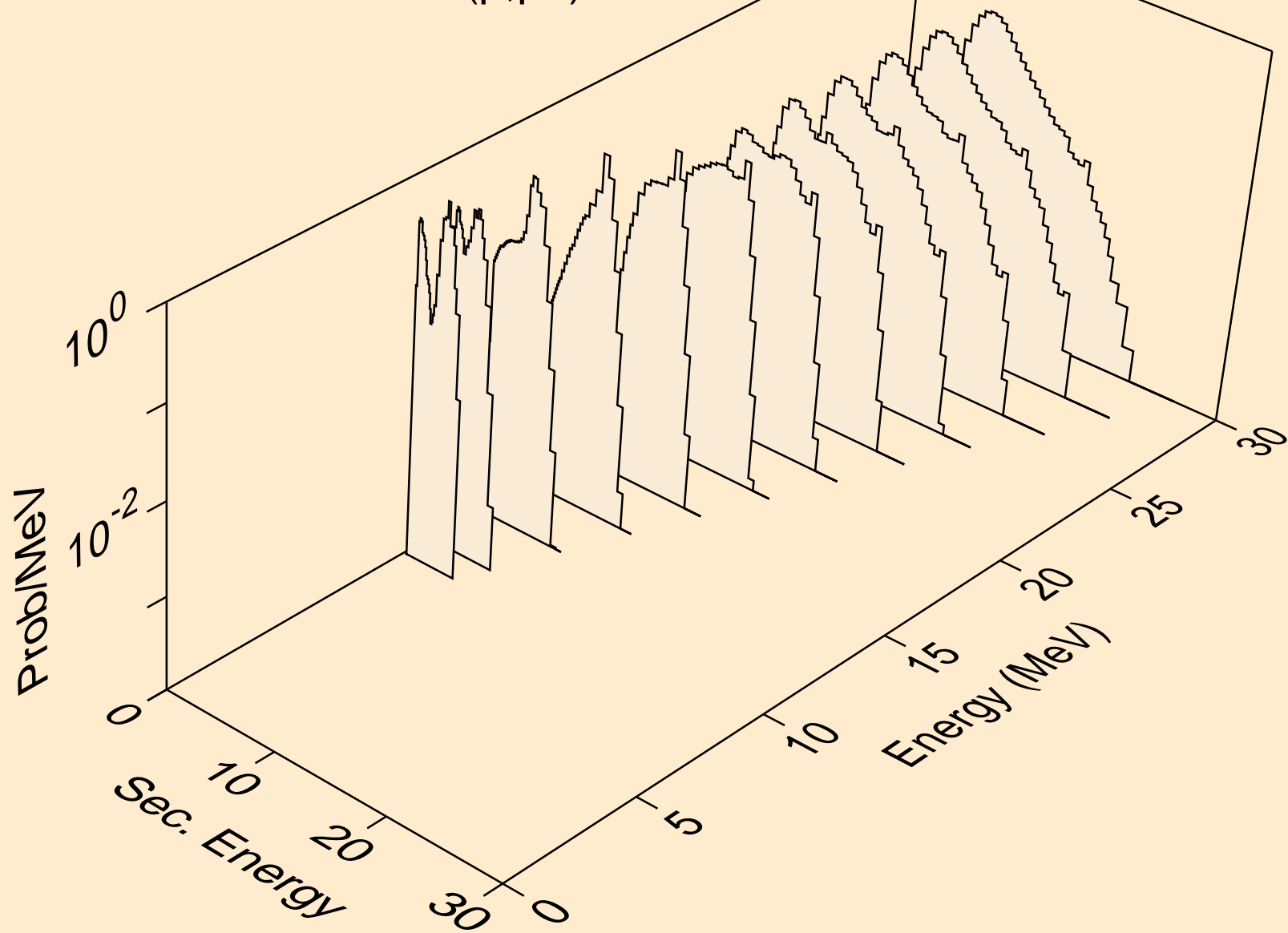




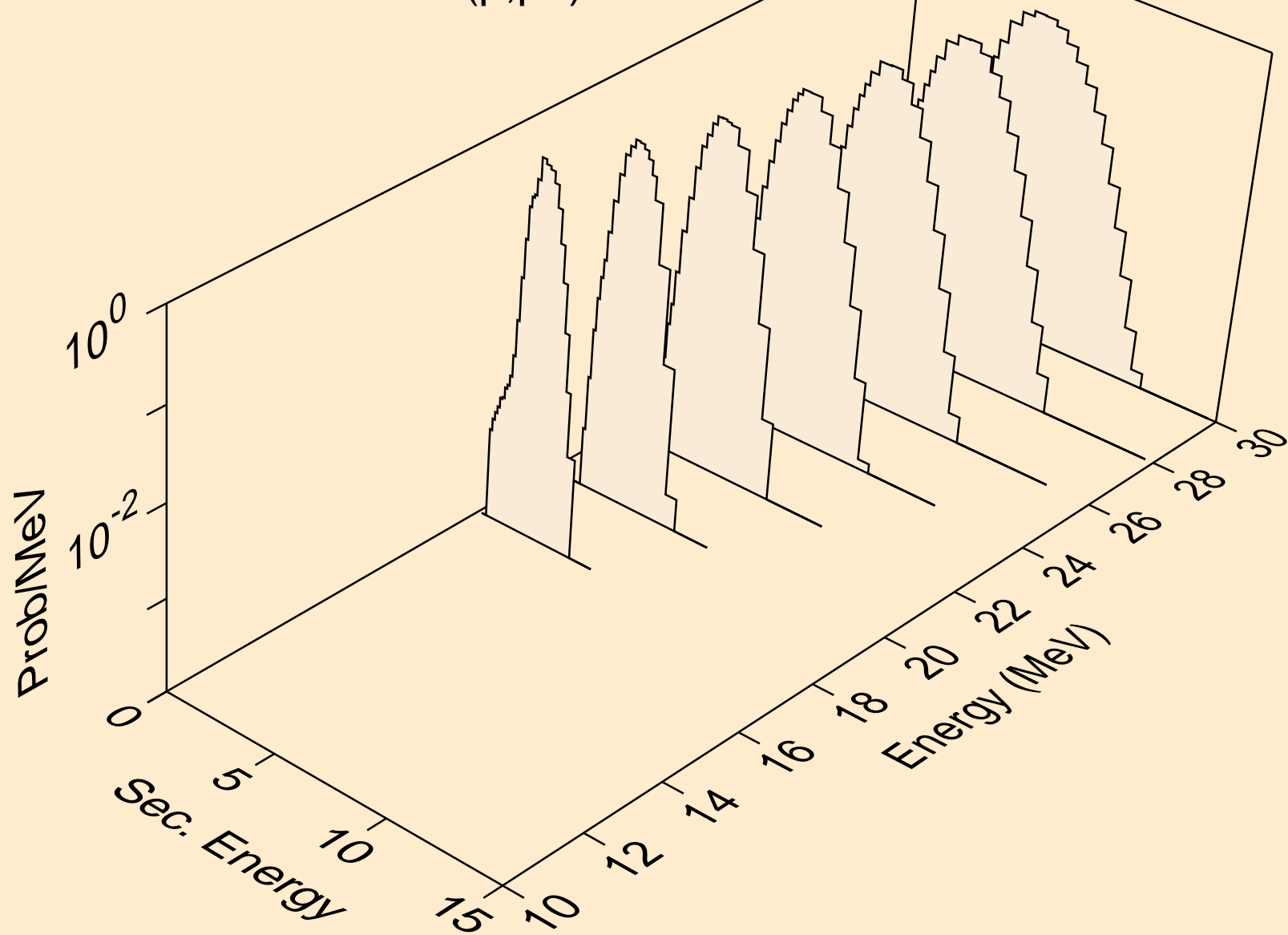
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2p)



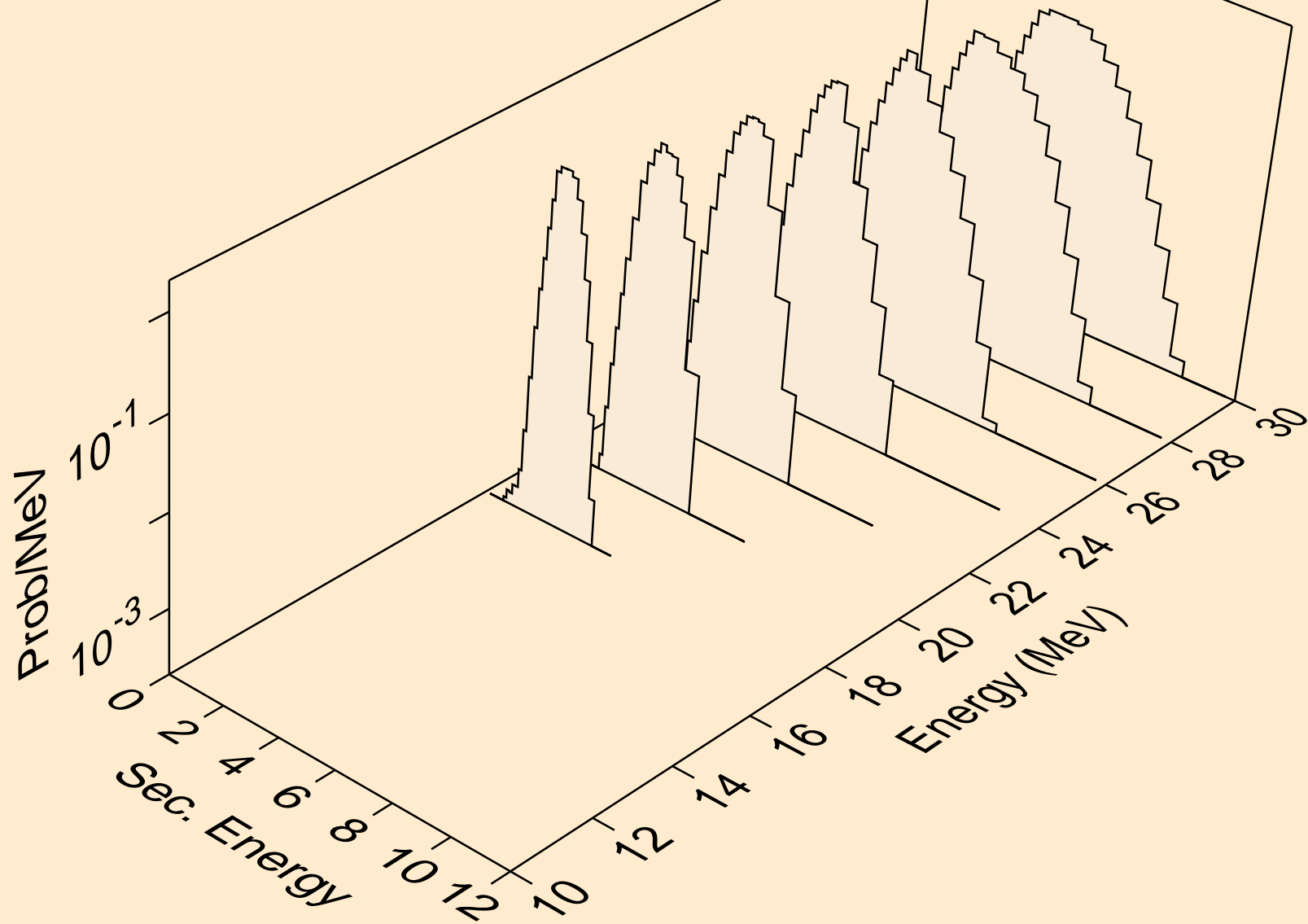
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pa)



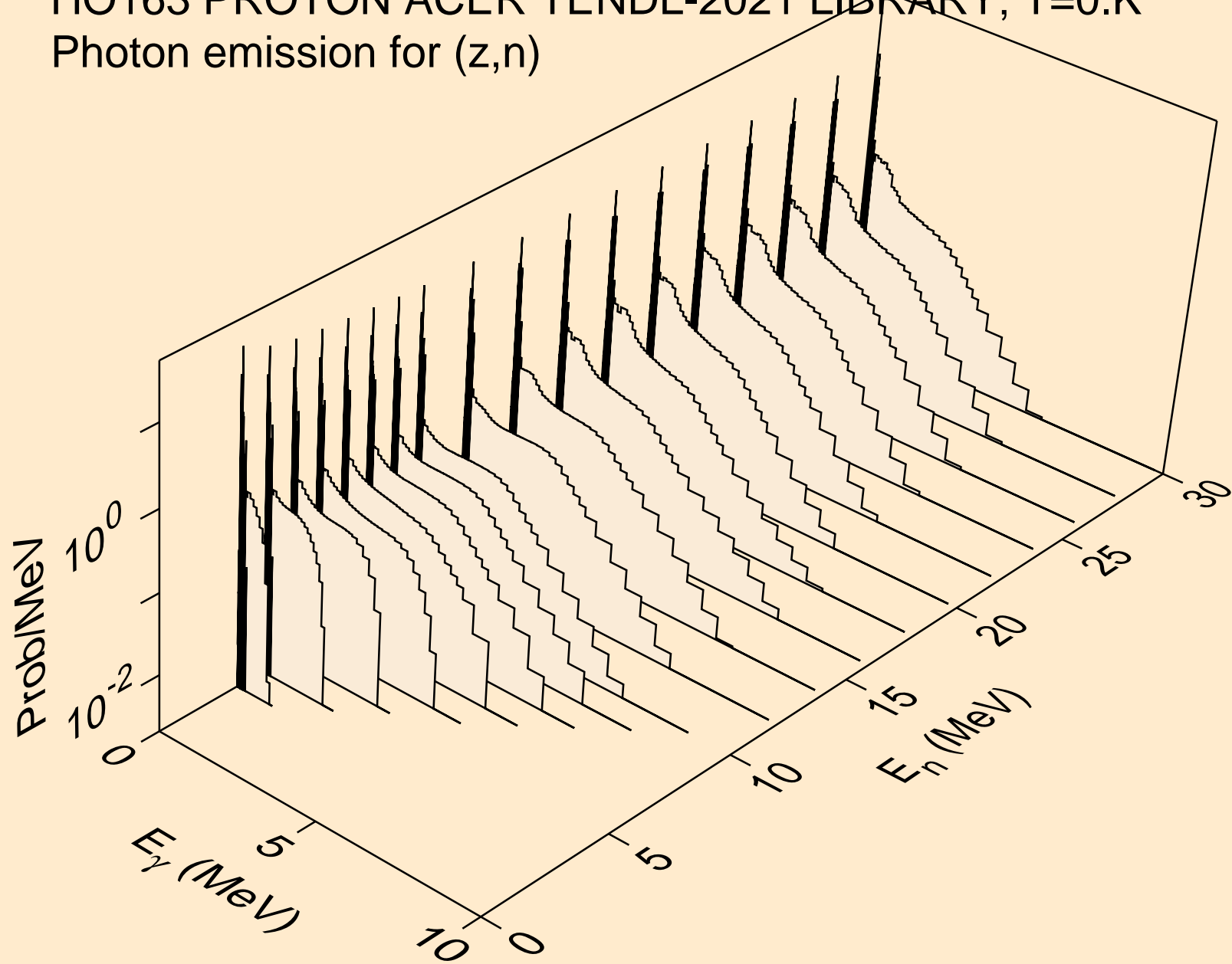
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pd)



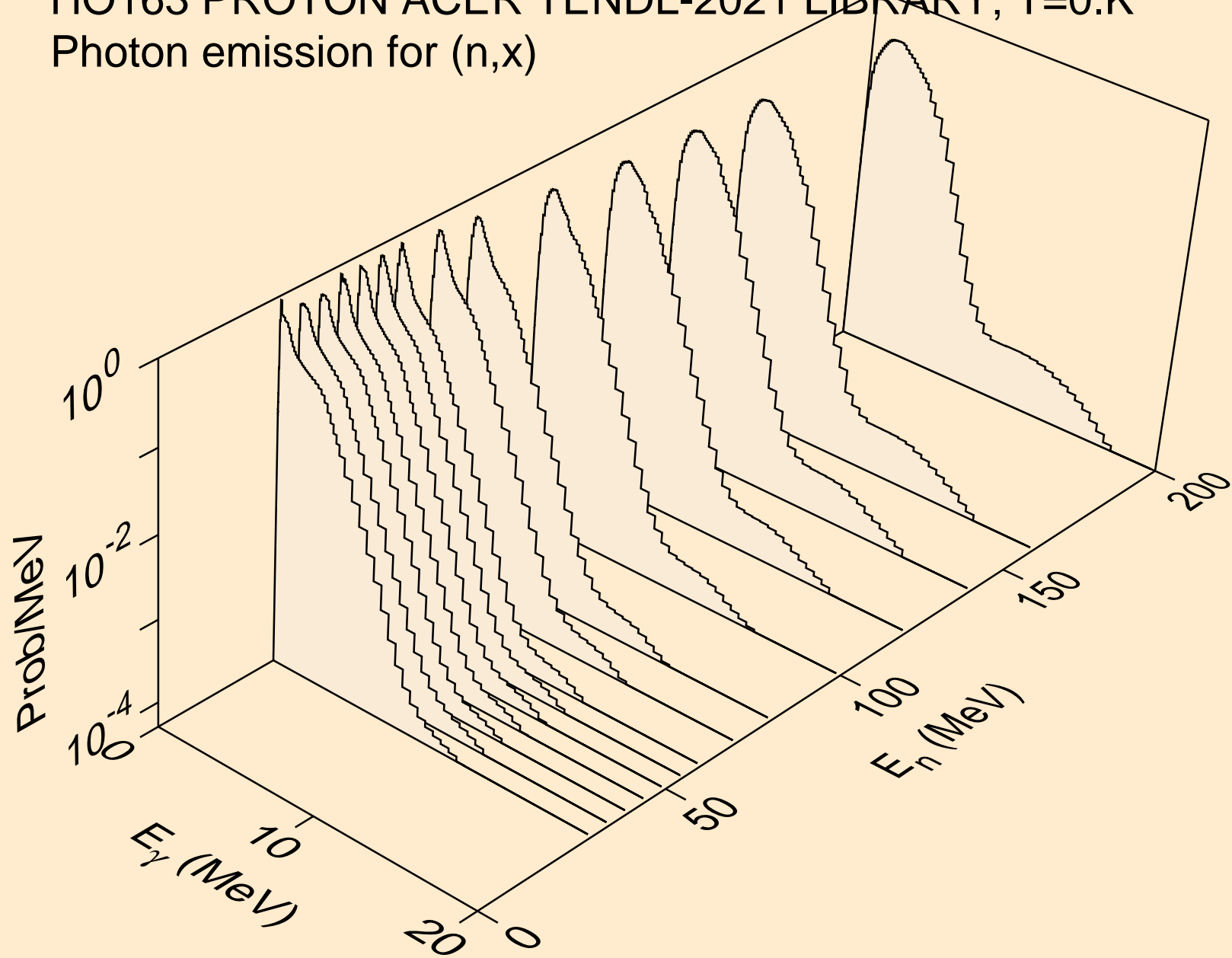
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pt)



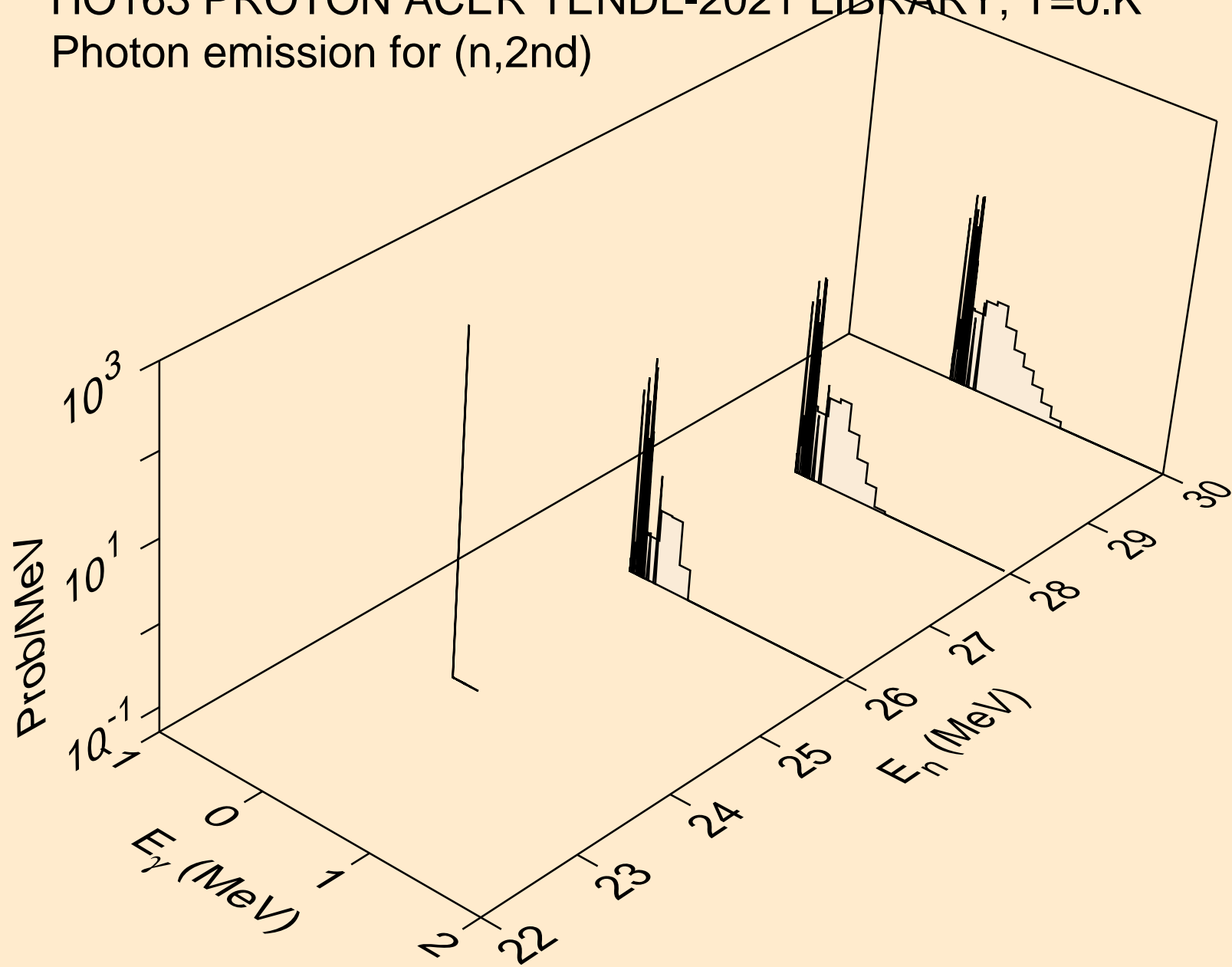
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



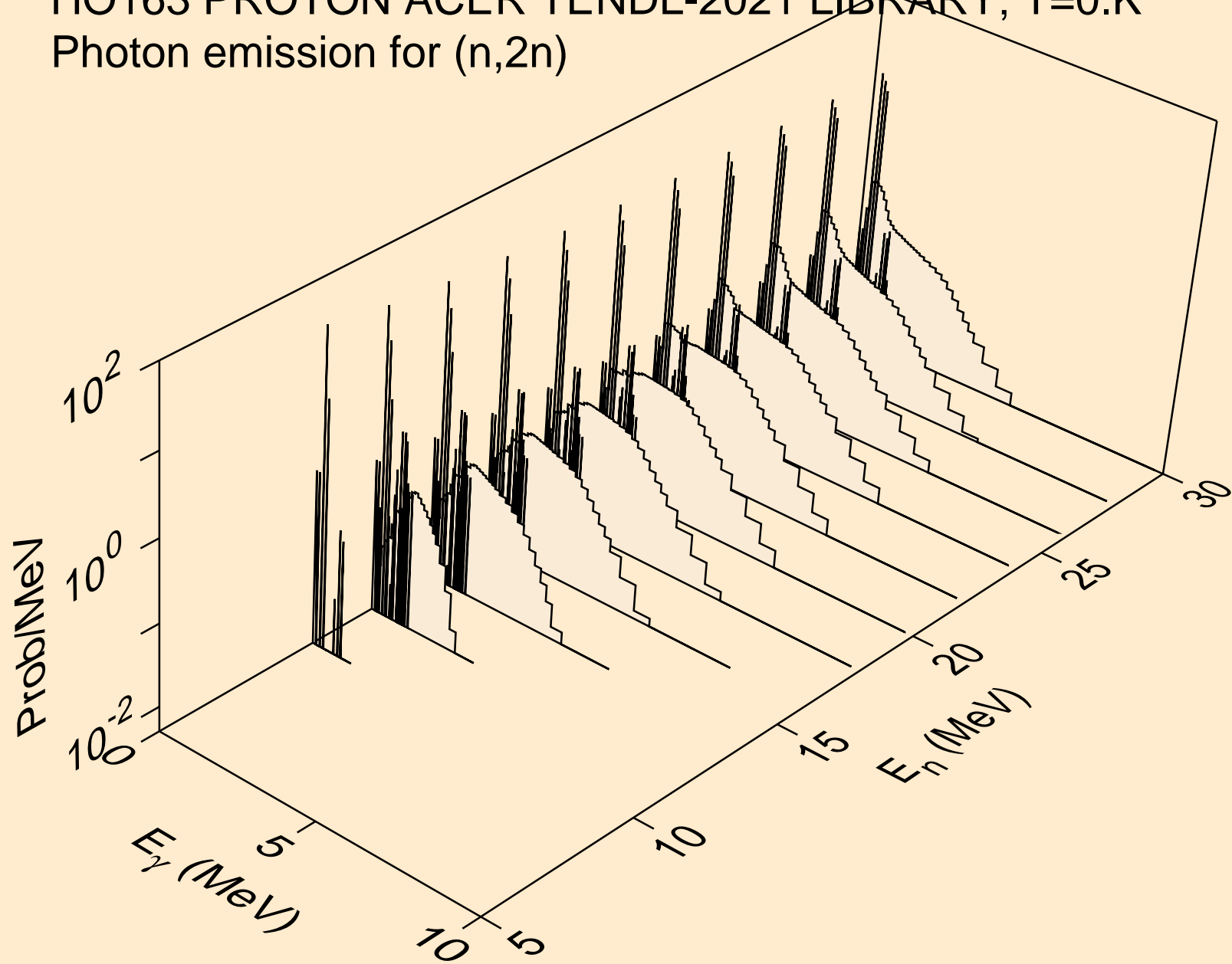
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)

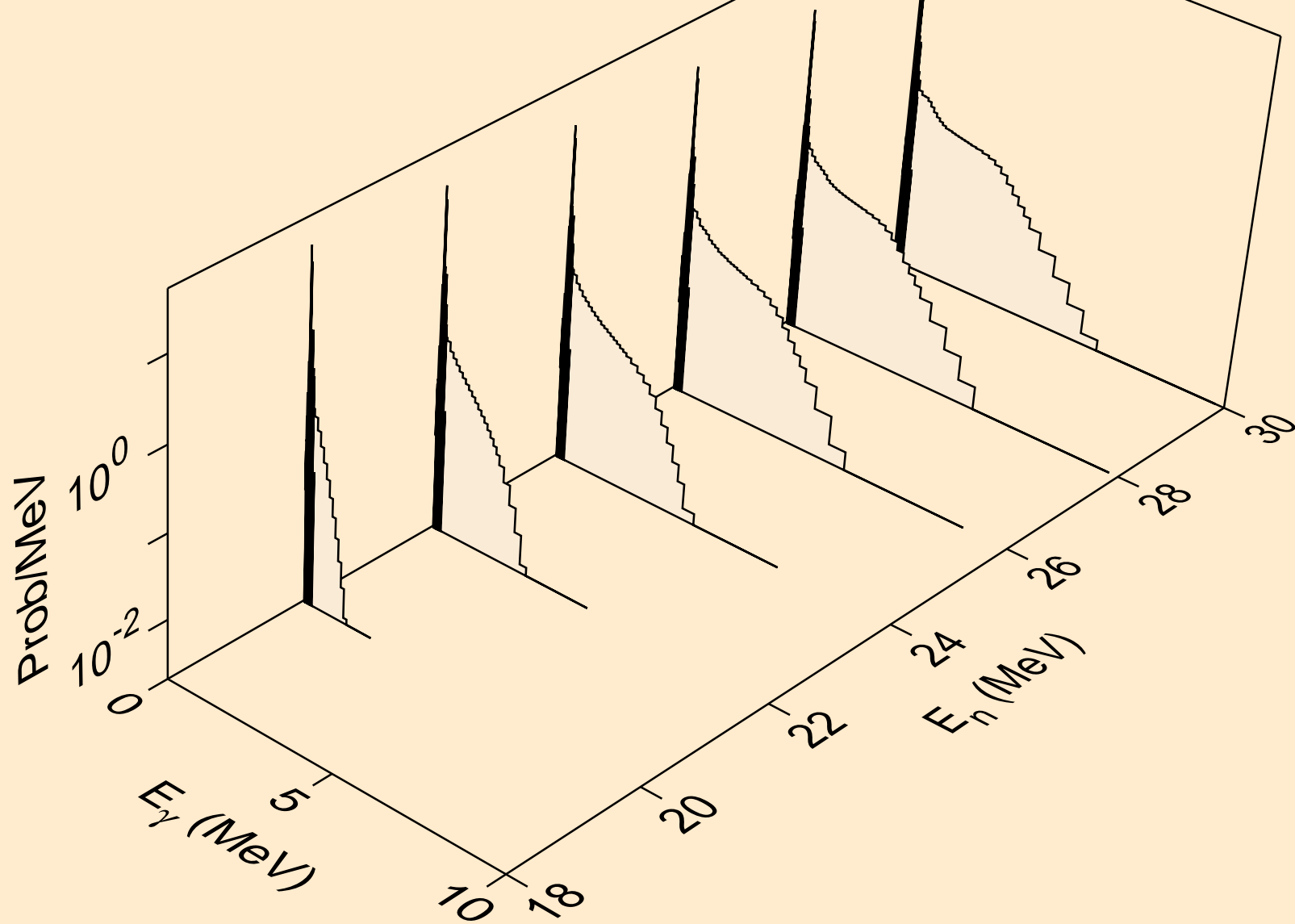


HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)

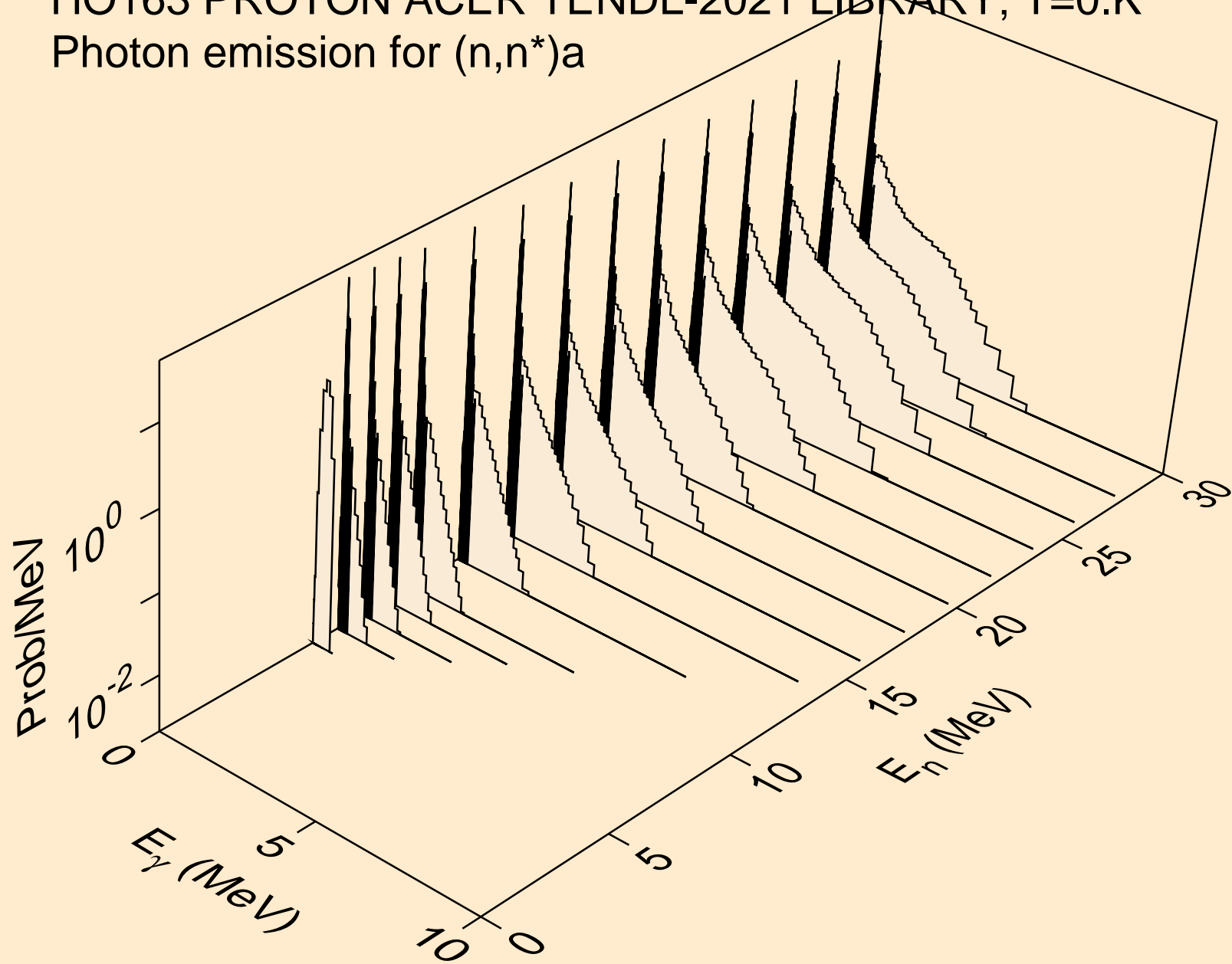




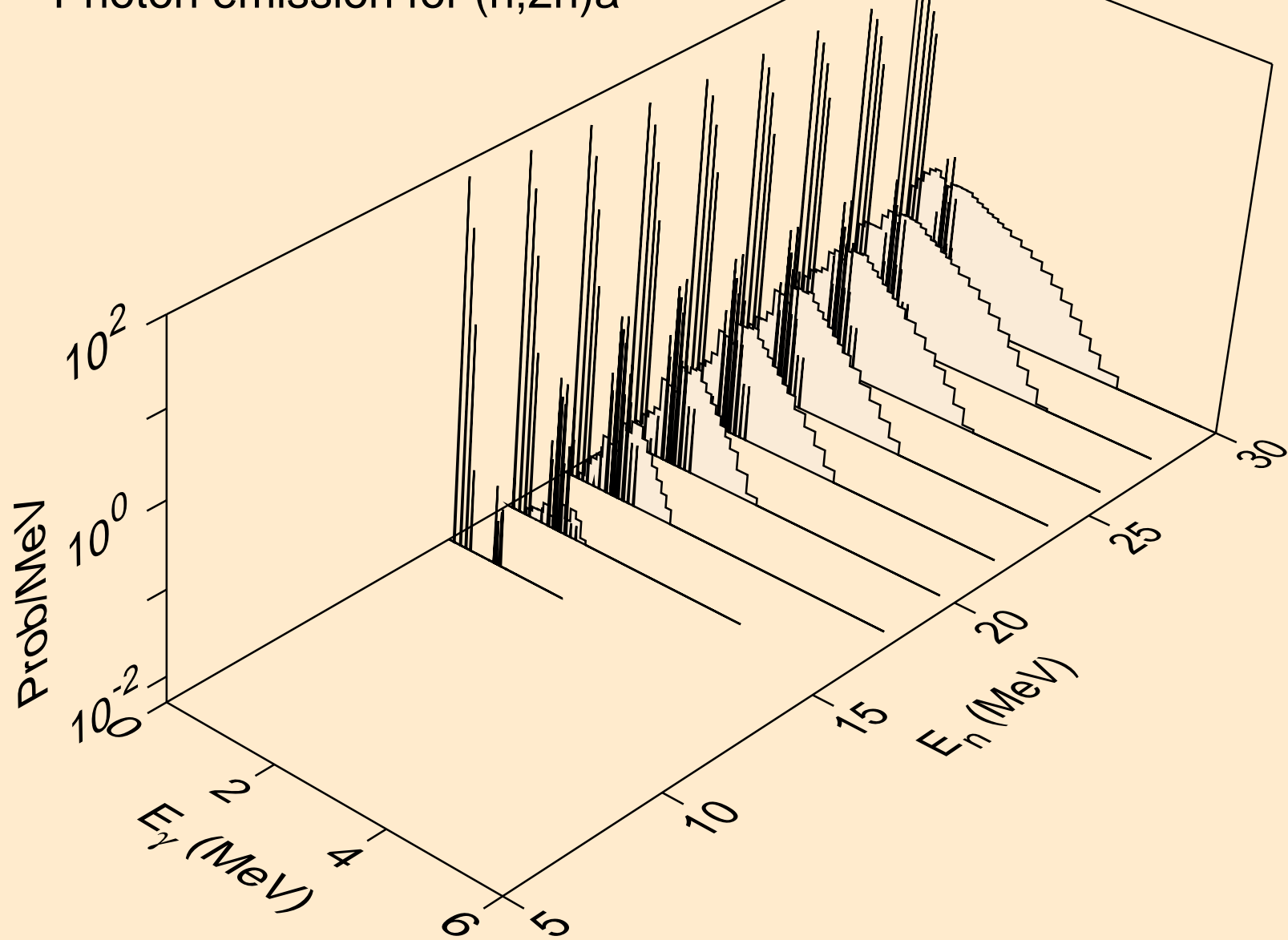
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Photon emission for (n,3n)



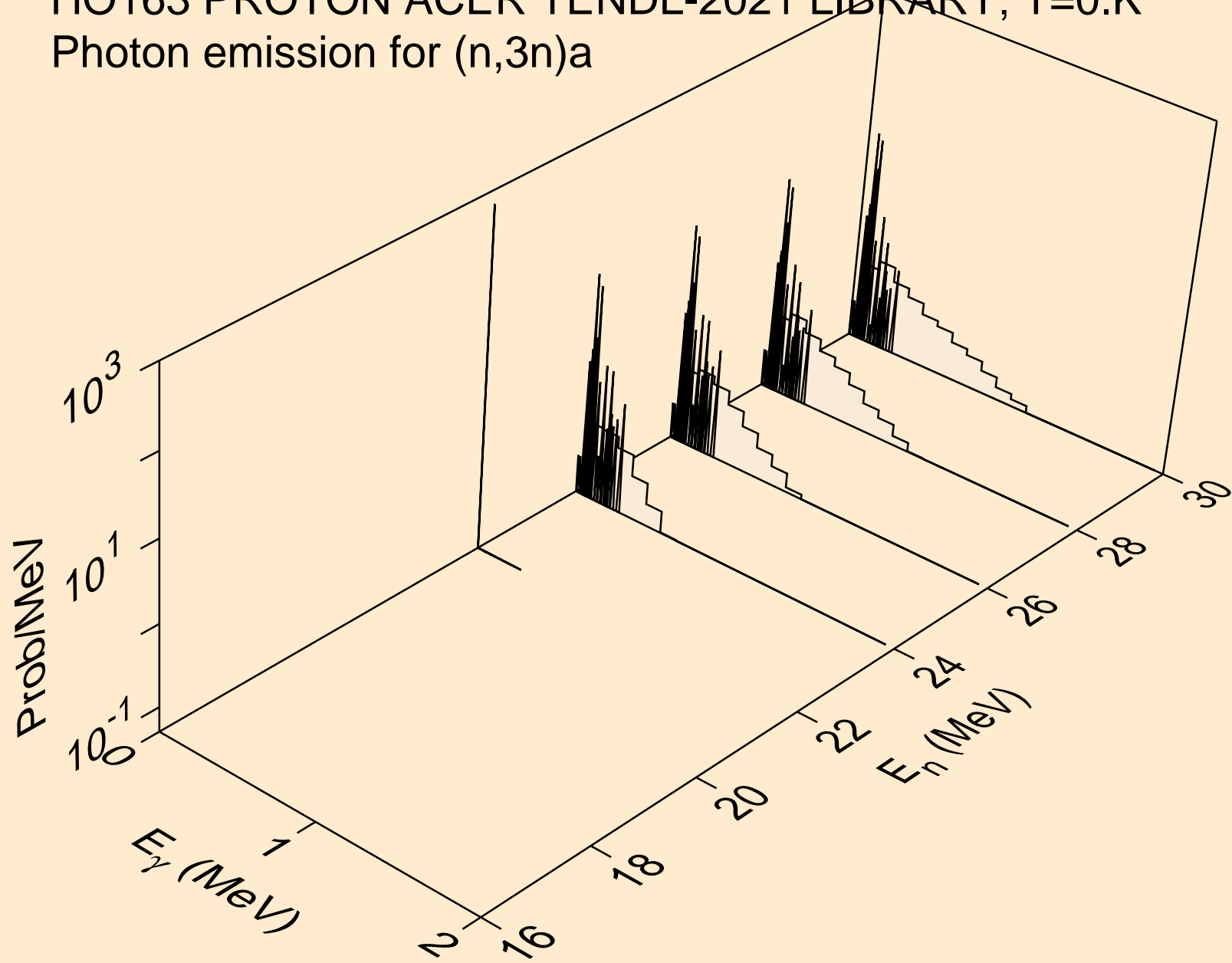
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



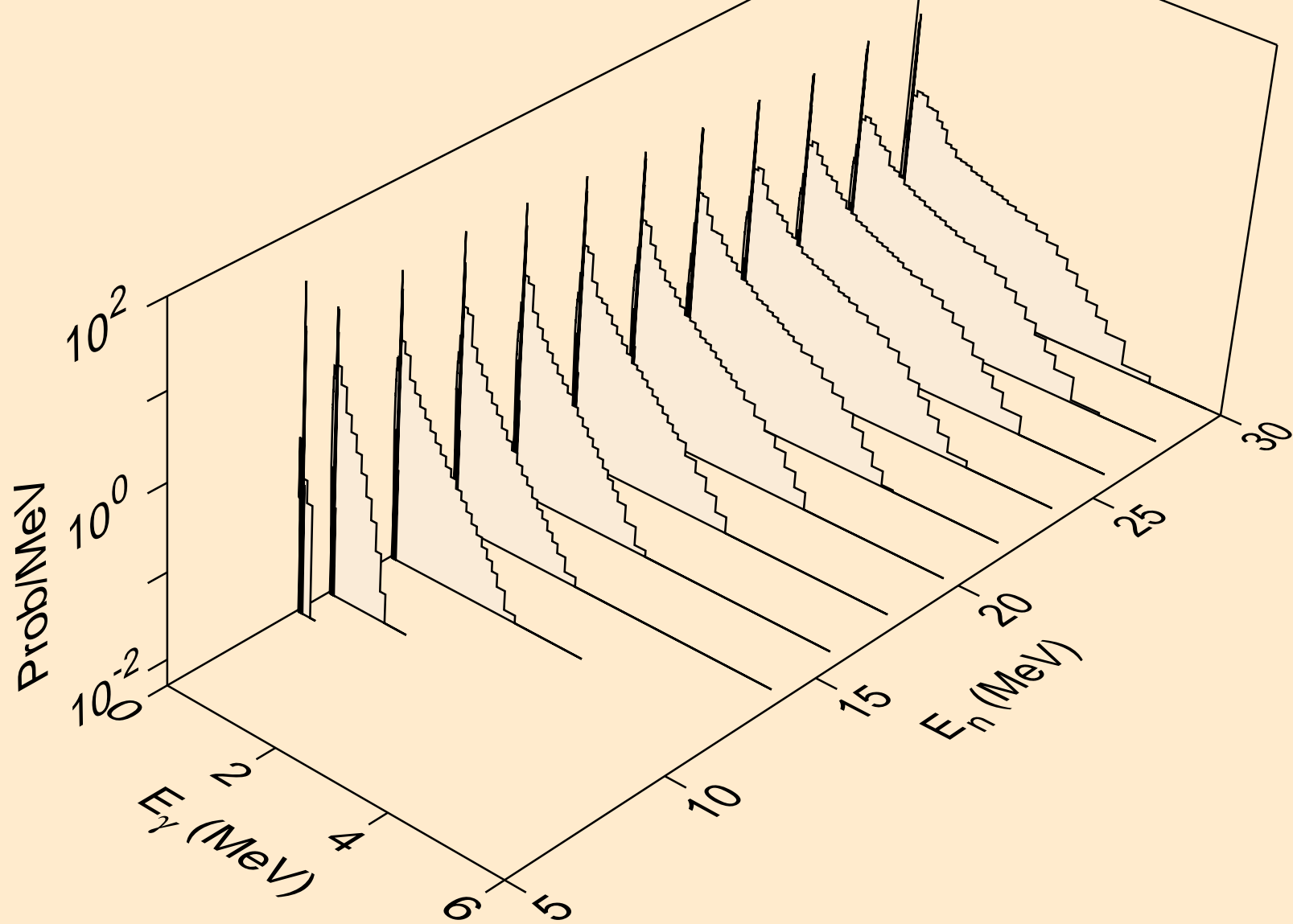
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Photon emission for (n,2n)a



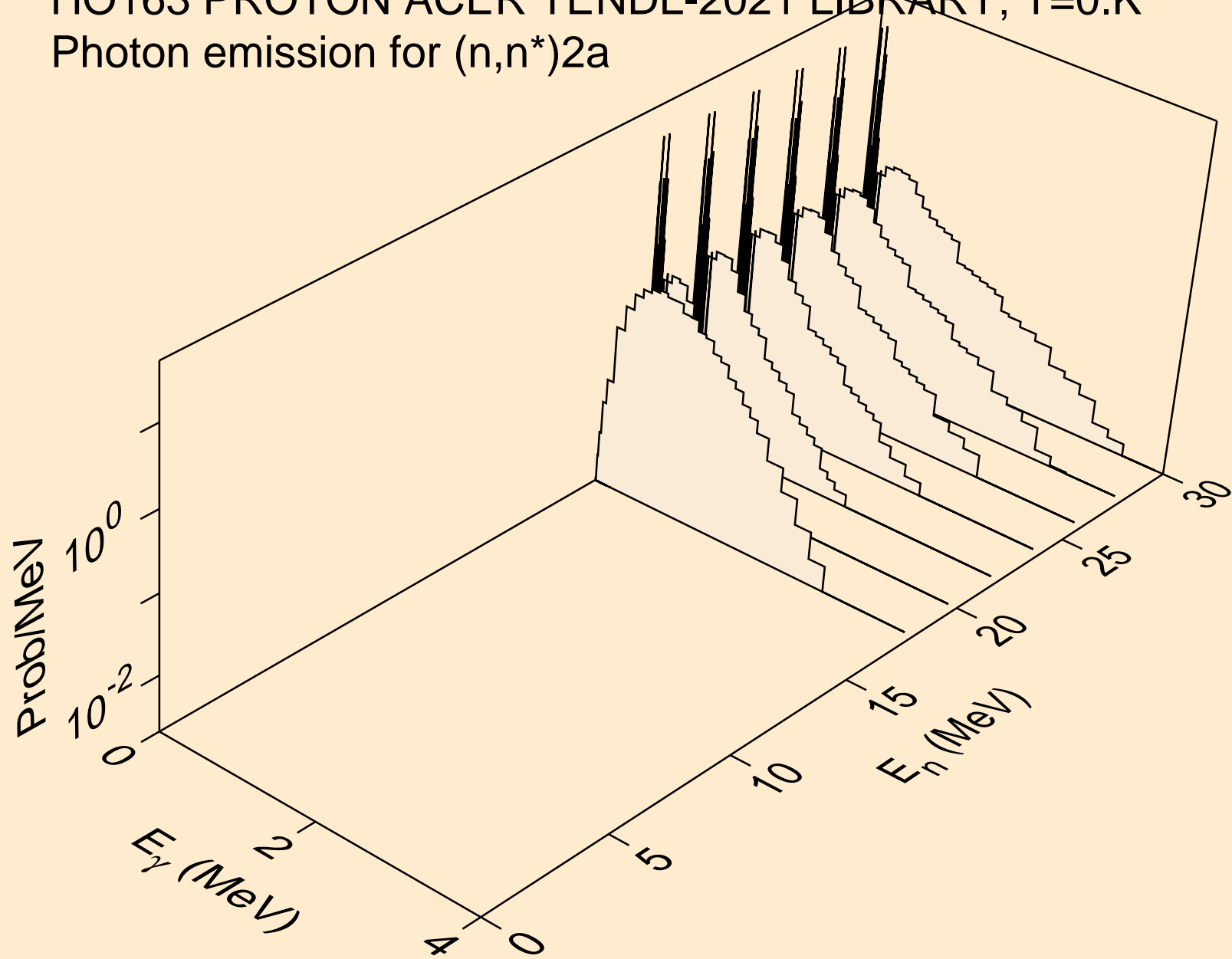
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Photon emission for (n,3n)a



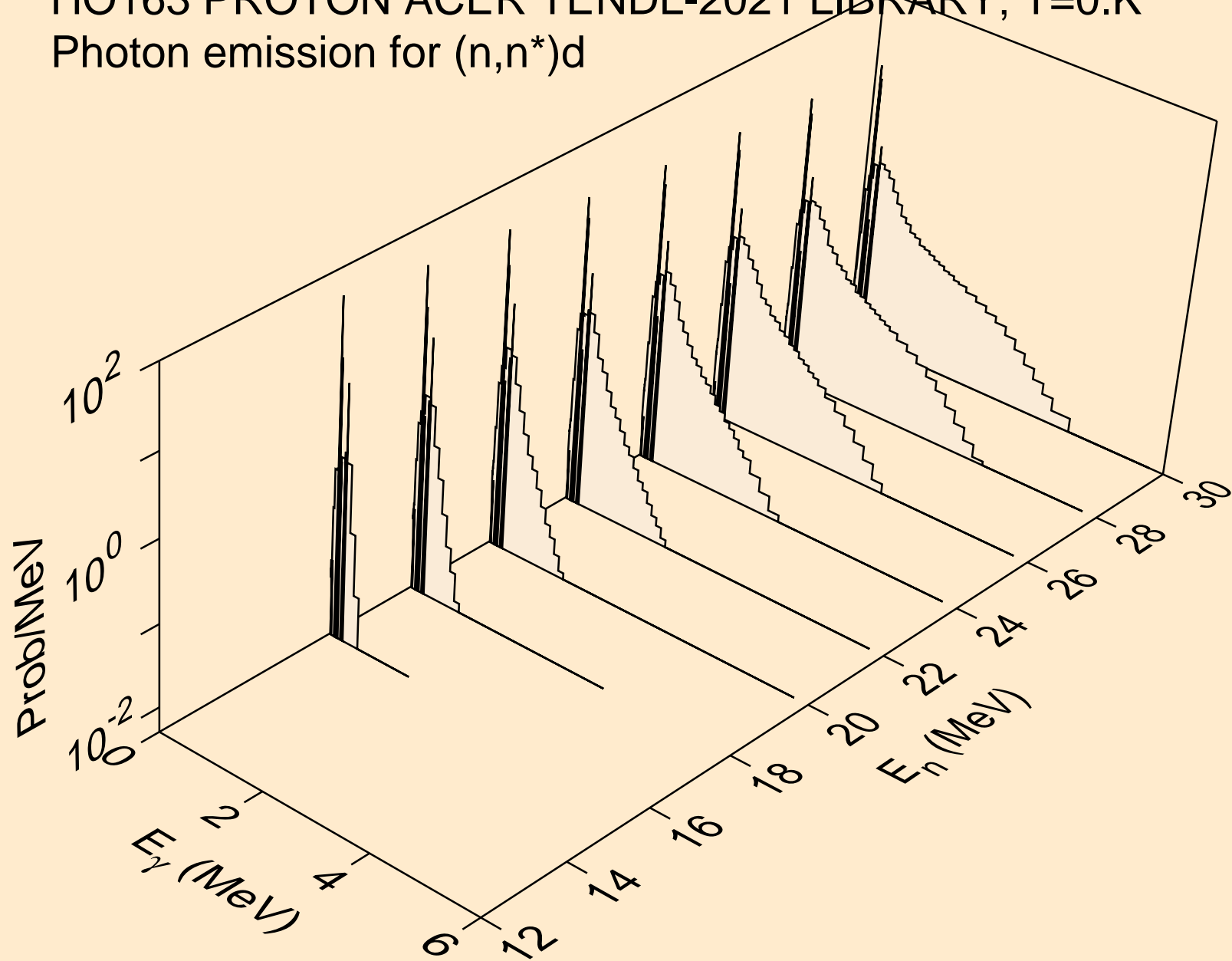
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Photon emission for (n,n\*)p



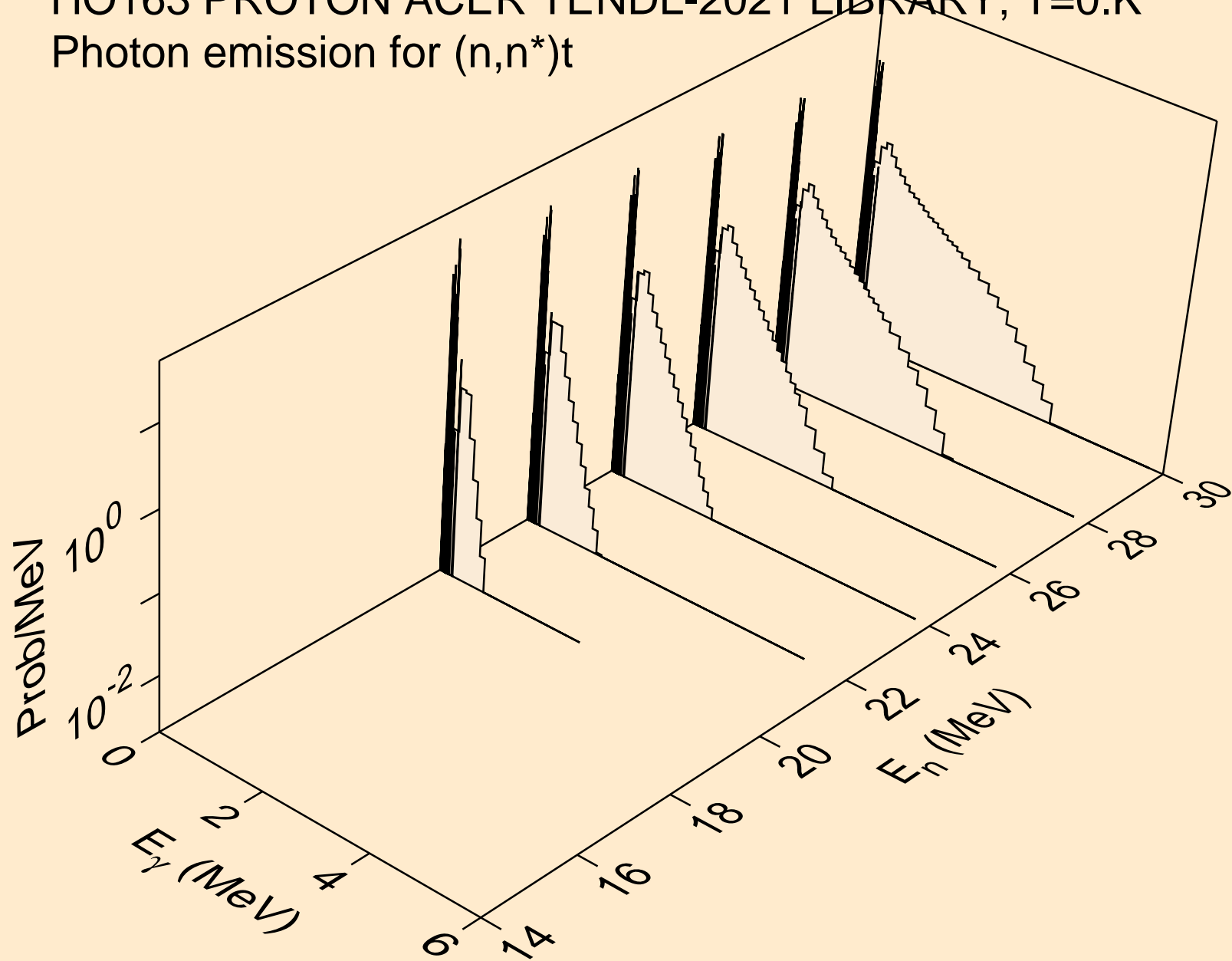
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

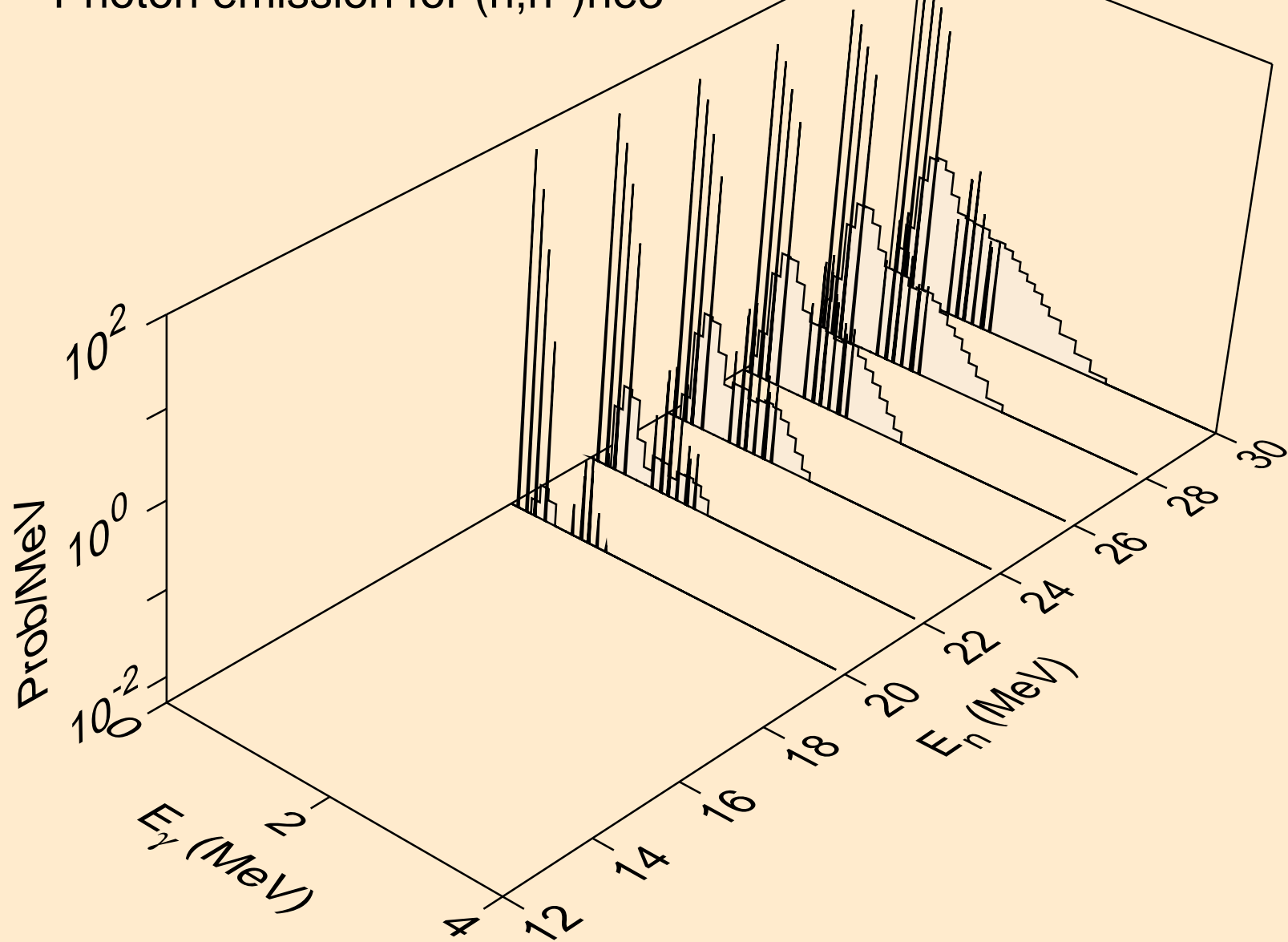


HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

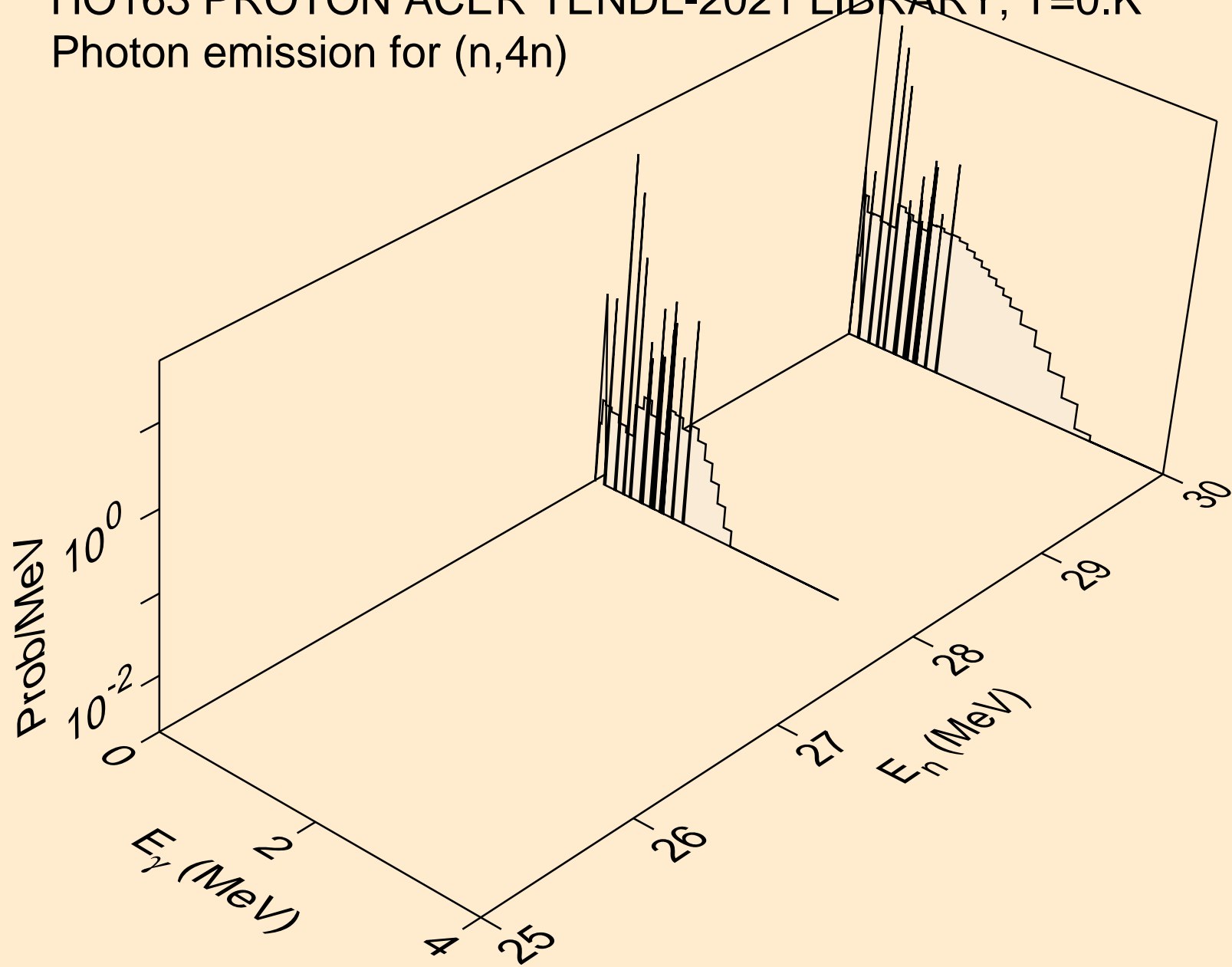




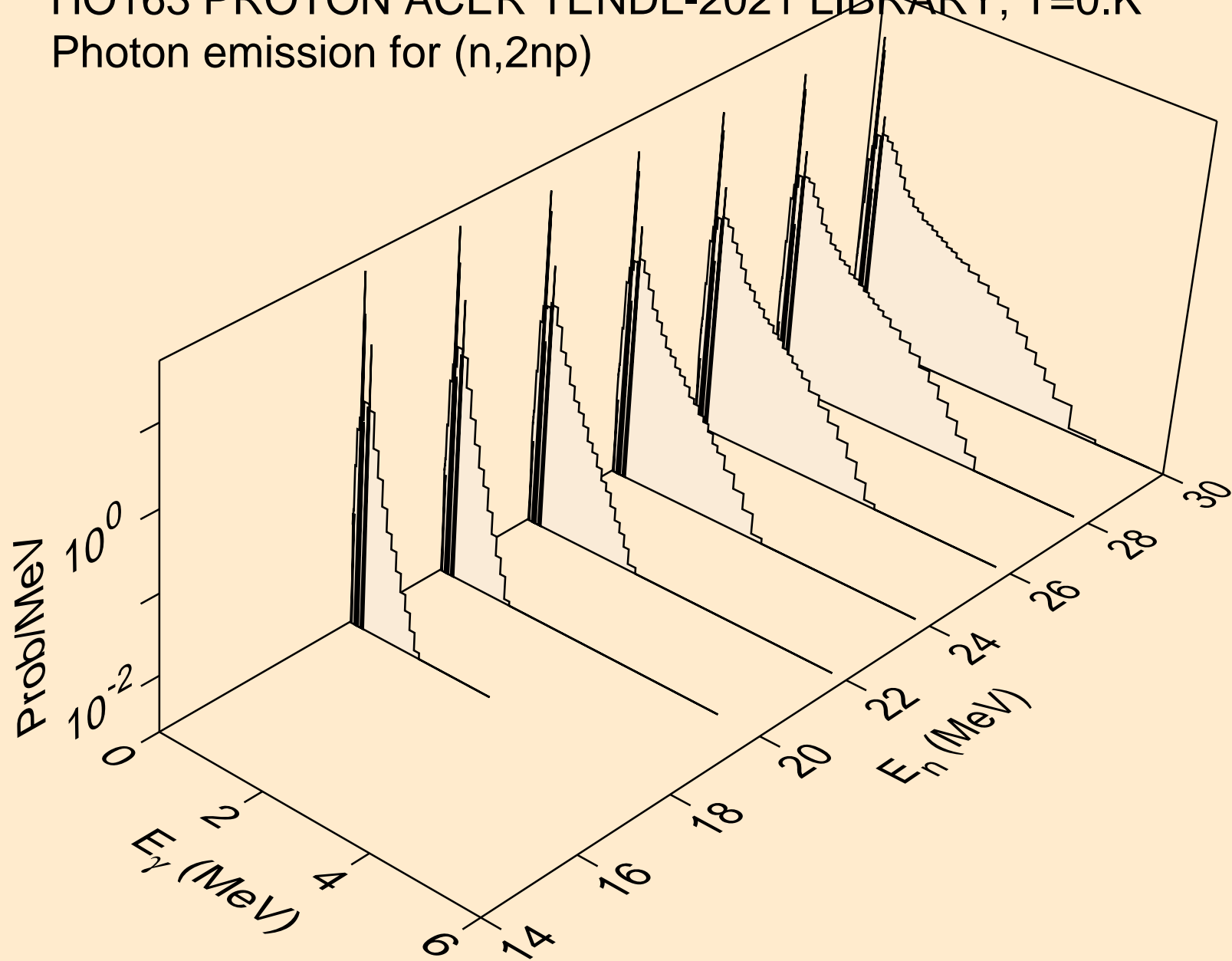
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



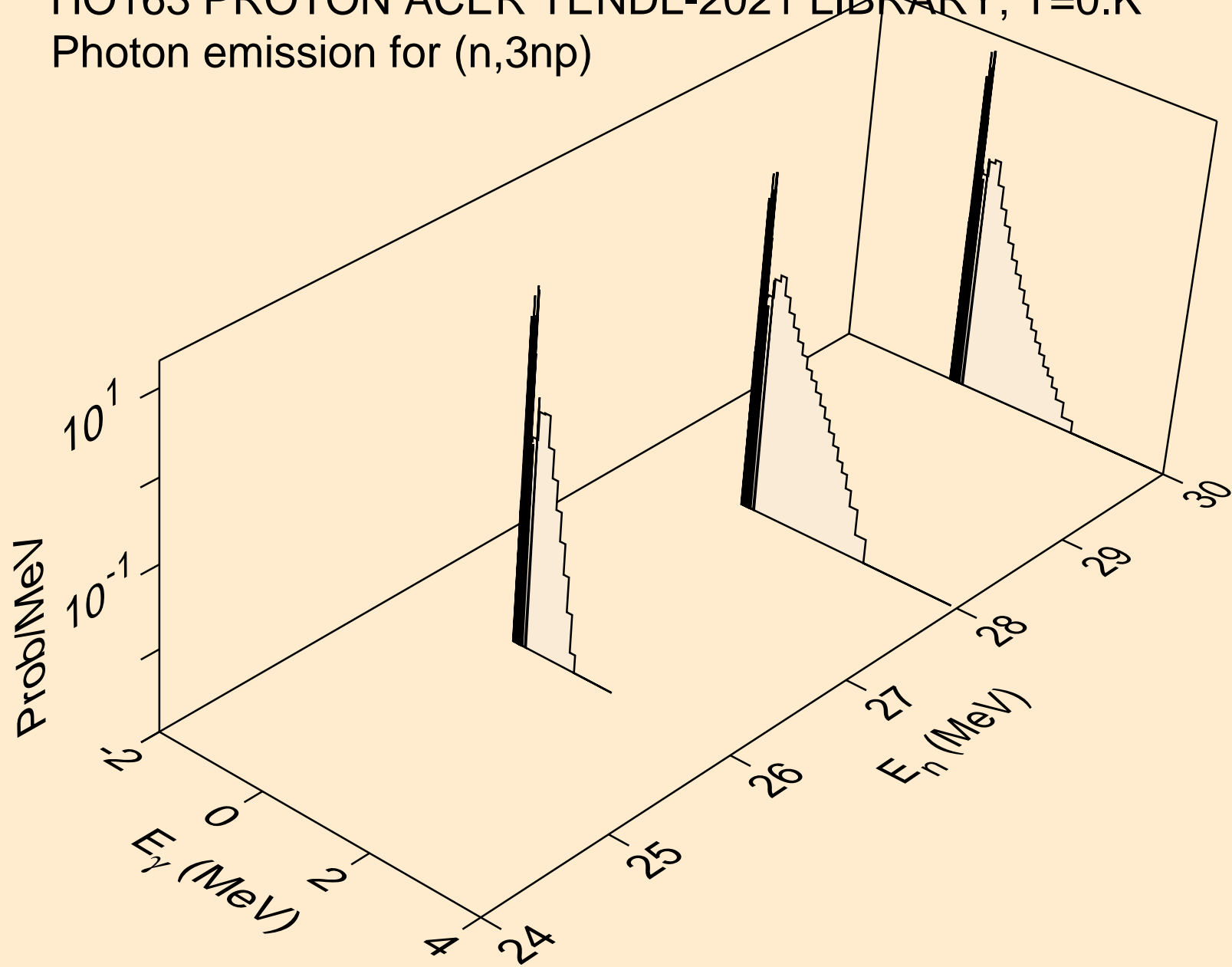
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,4n)



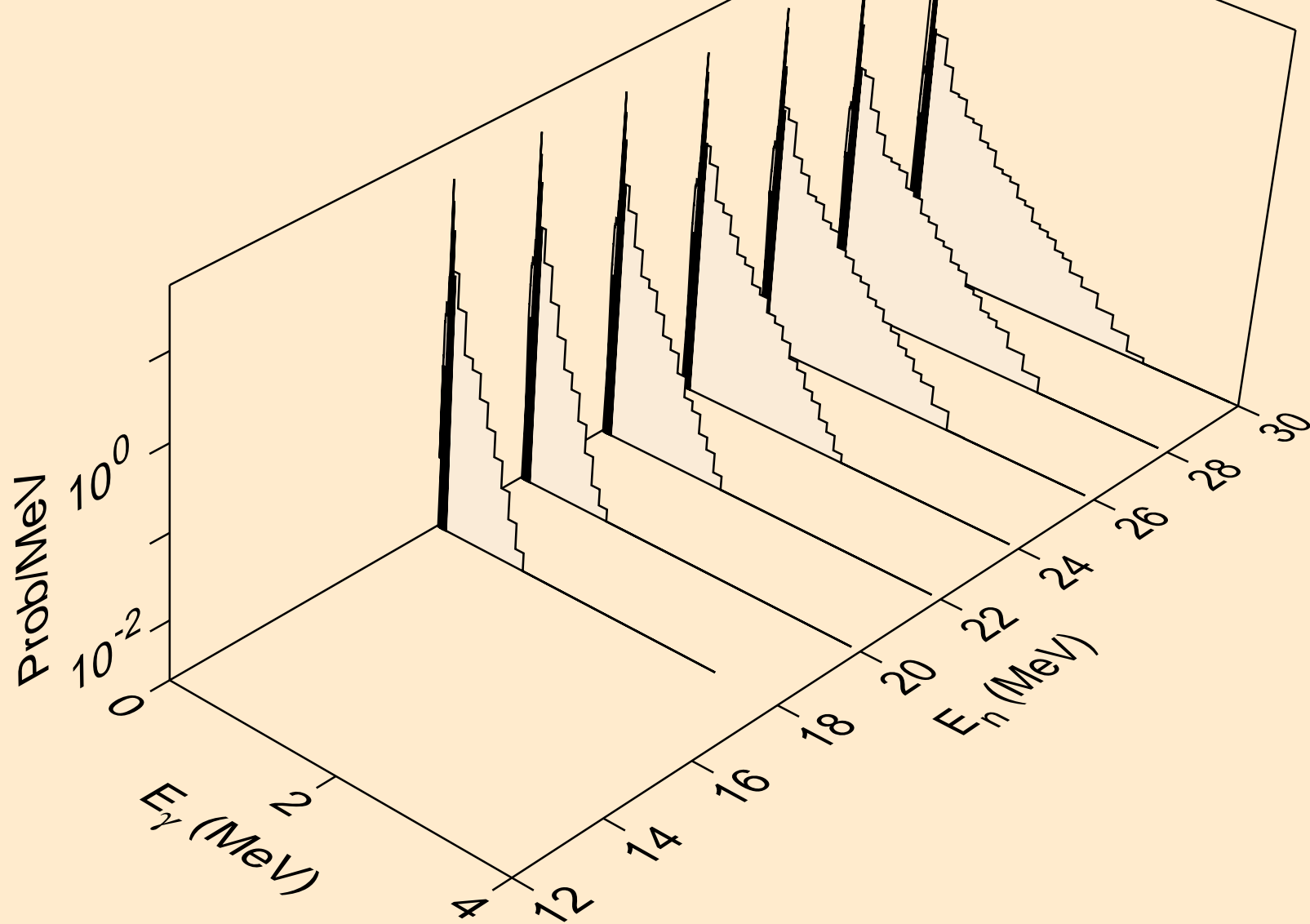
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Photon emission for (n,2np)



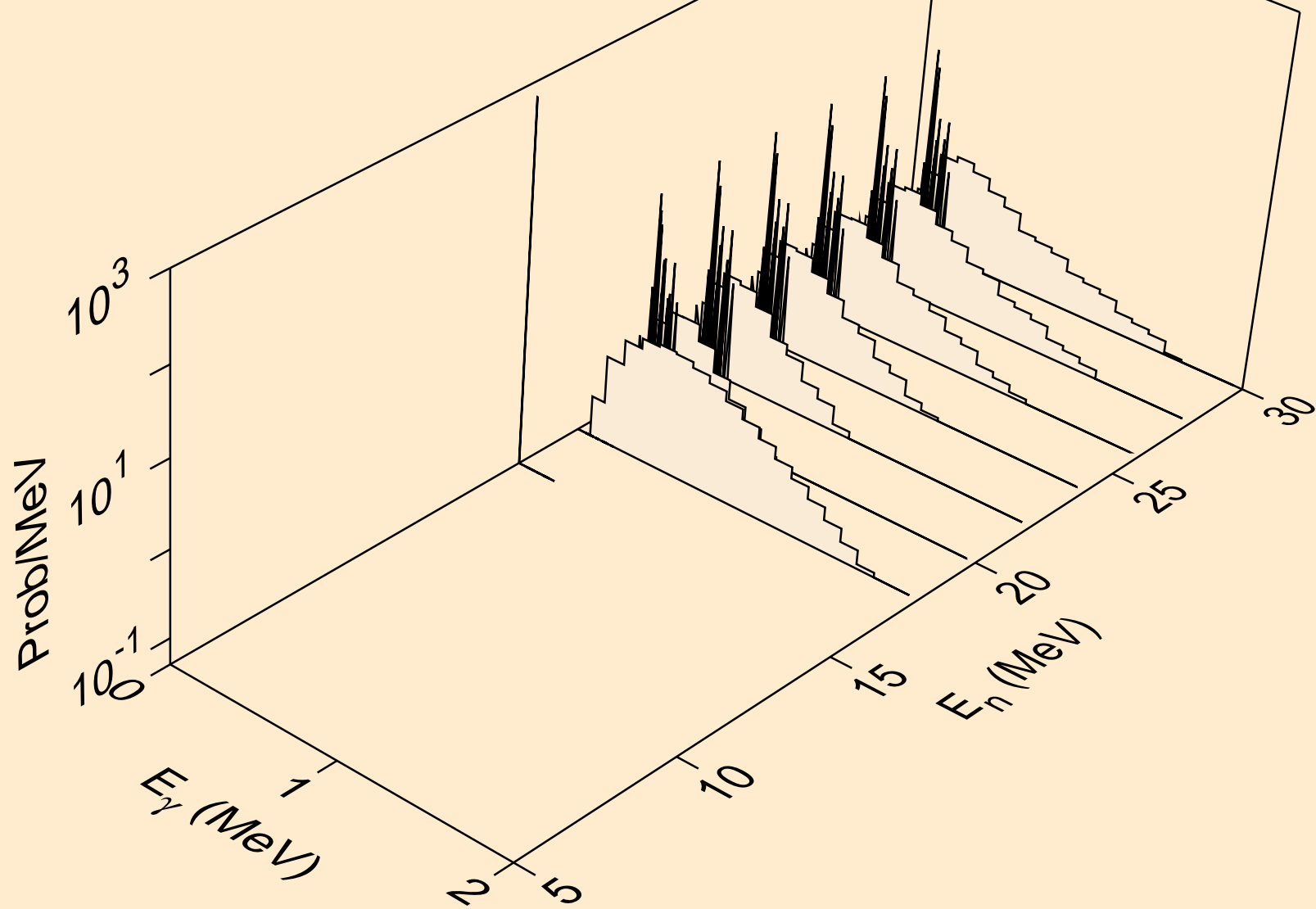
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Photon emission for (n,3np)



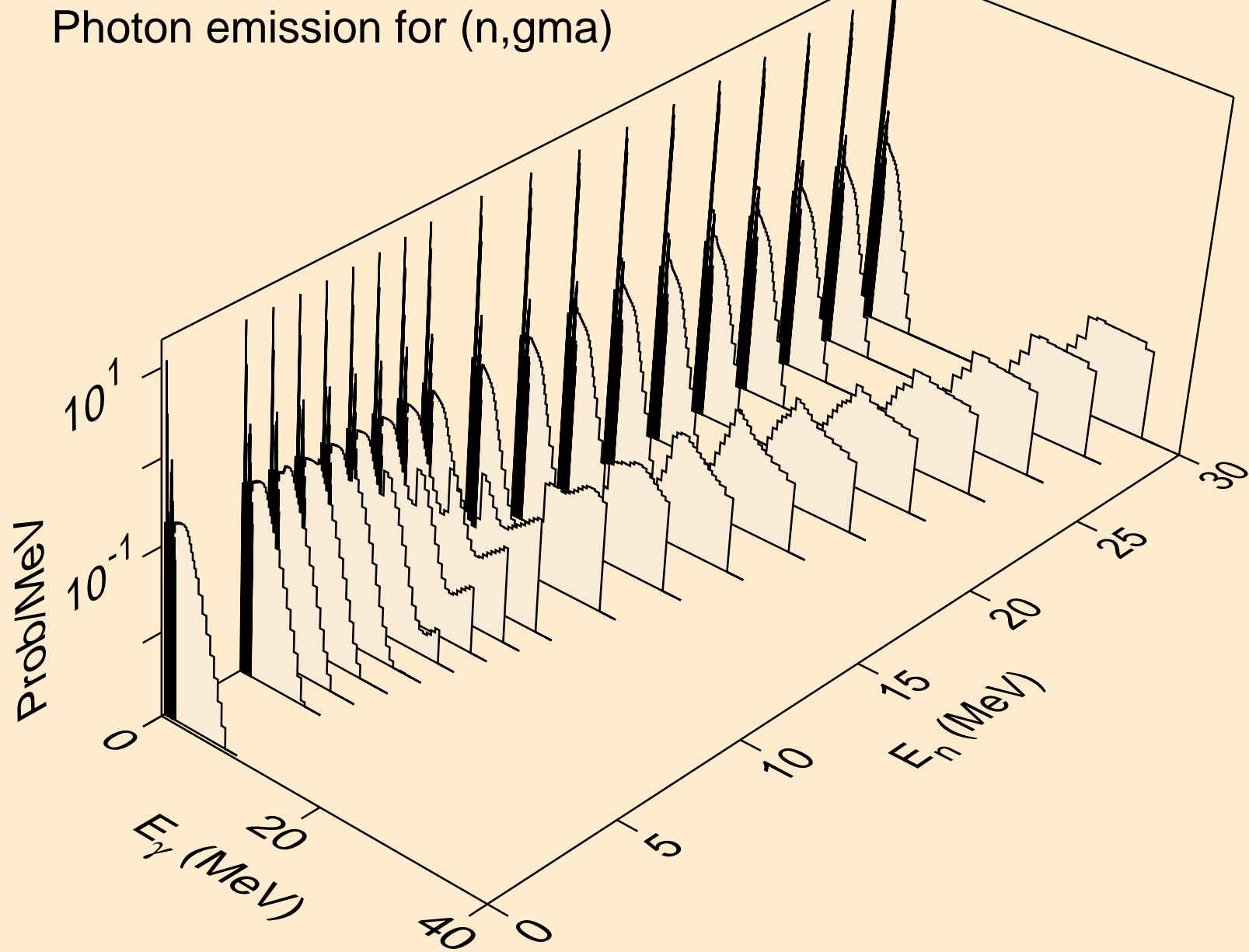
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Photon emission for (n,2np)



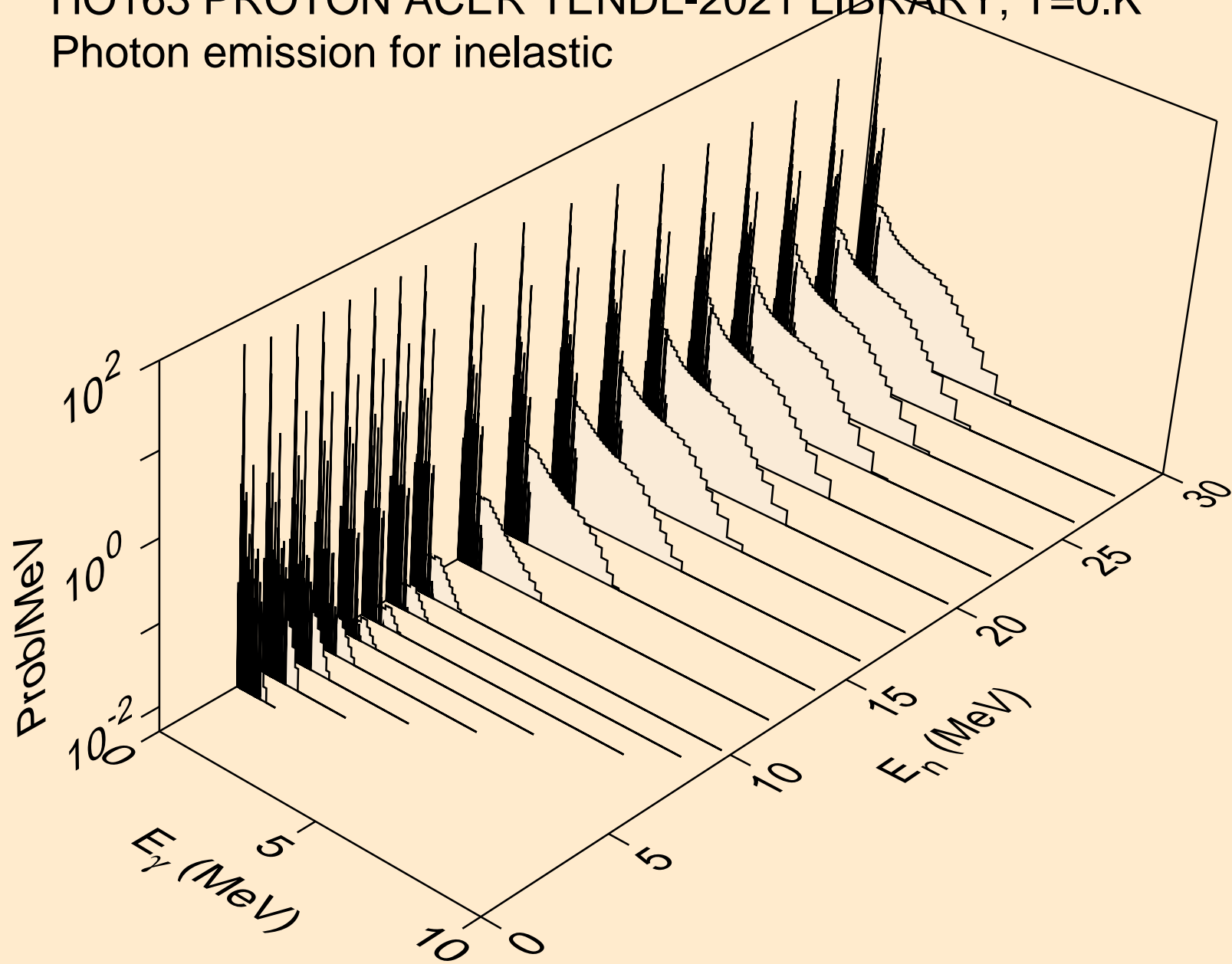
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,npa)



HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,gma)

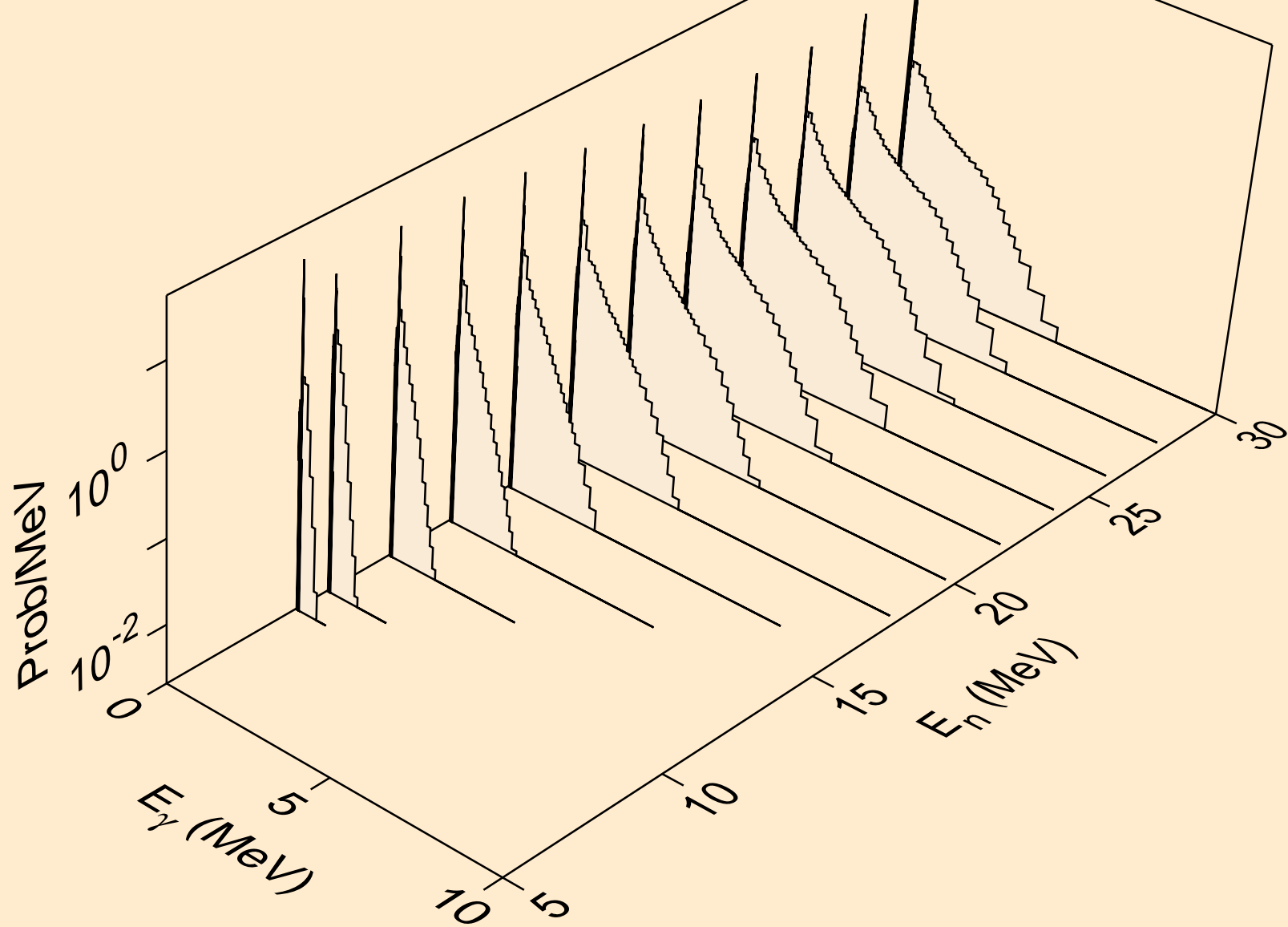


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Photon emission for inelastic

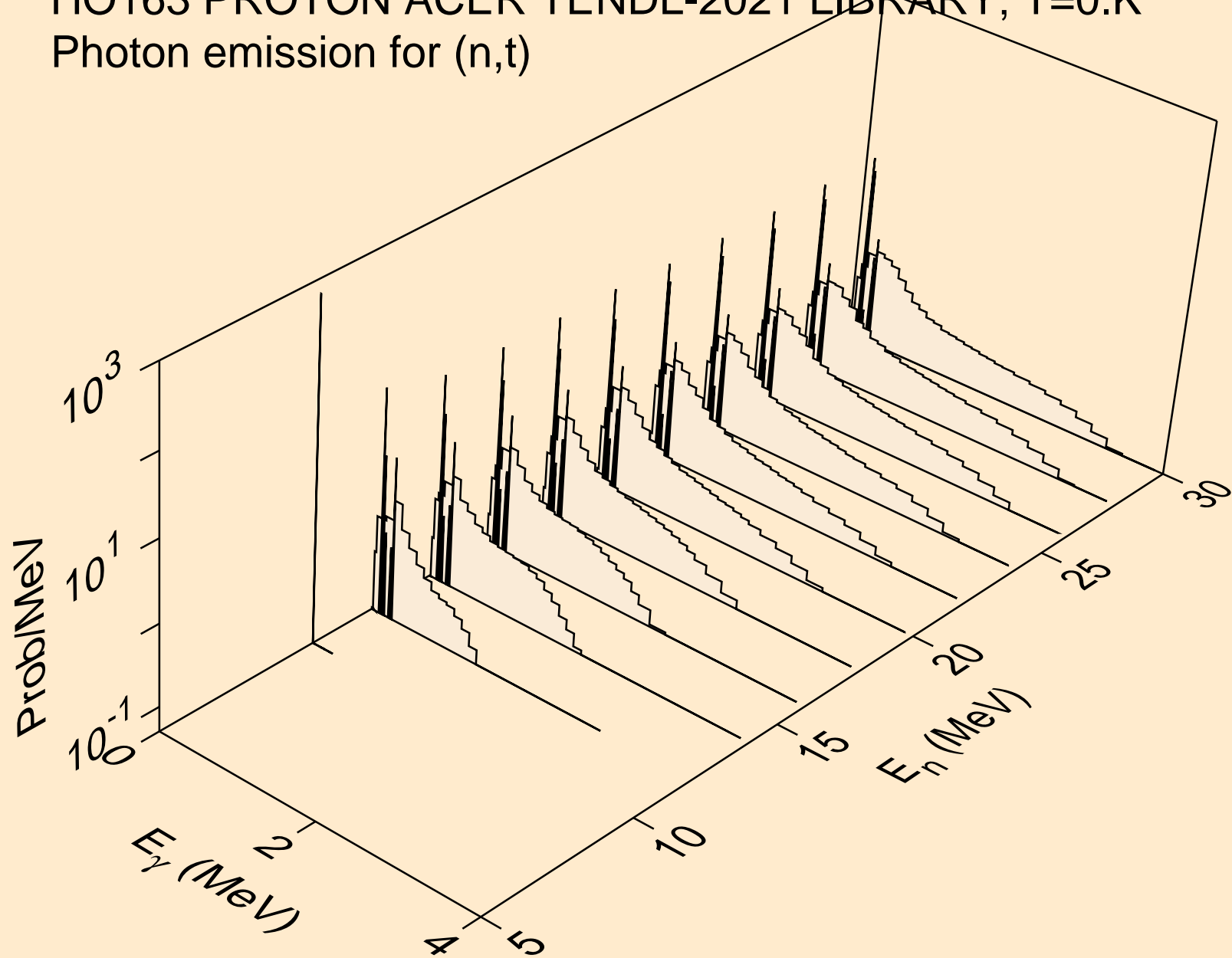




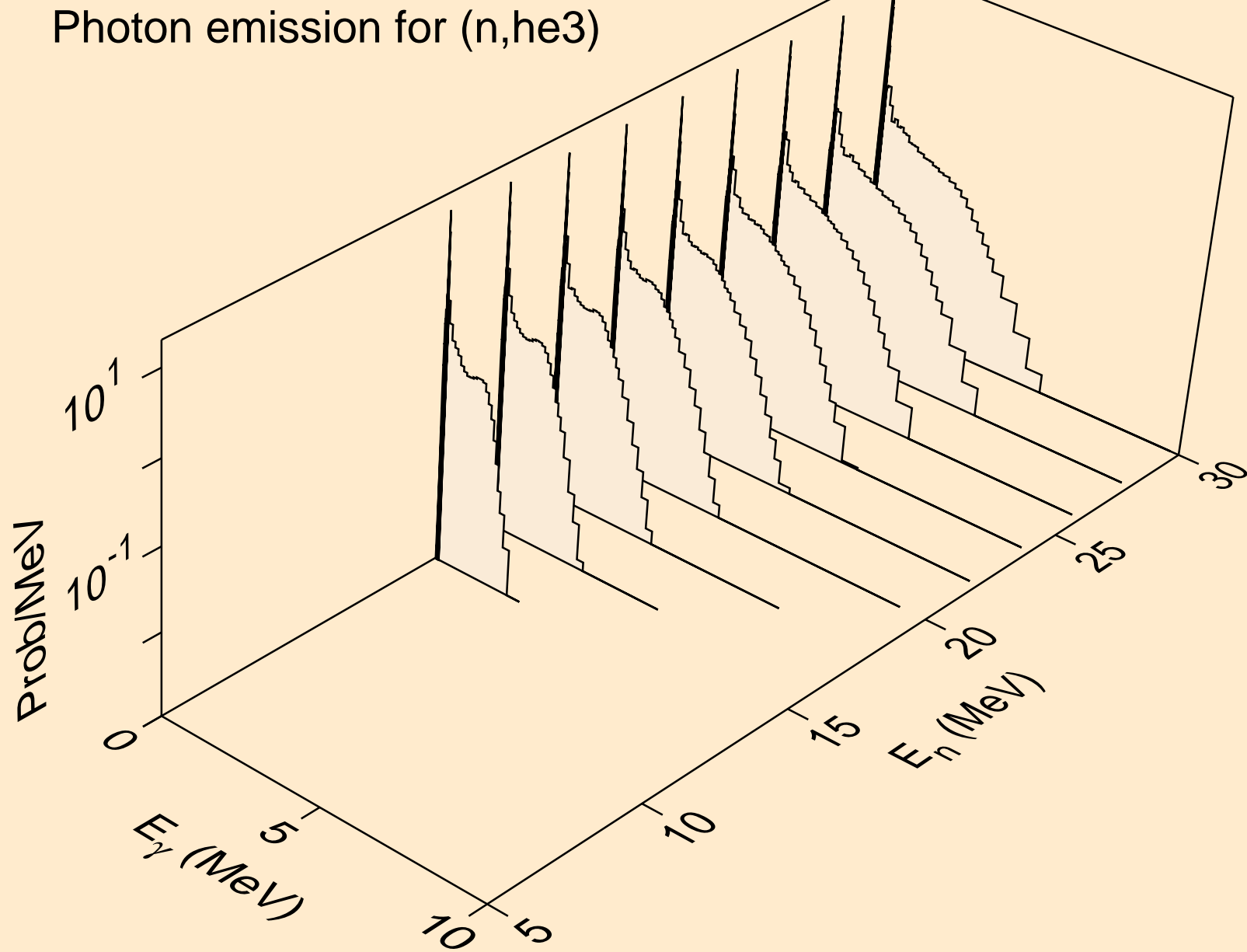
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Photon emission for (n,d)



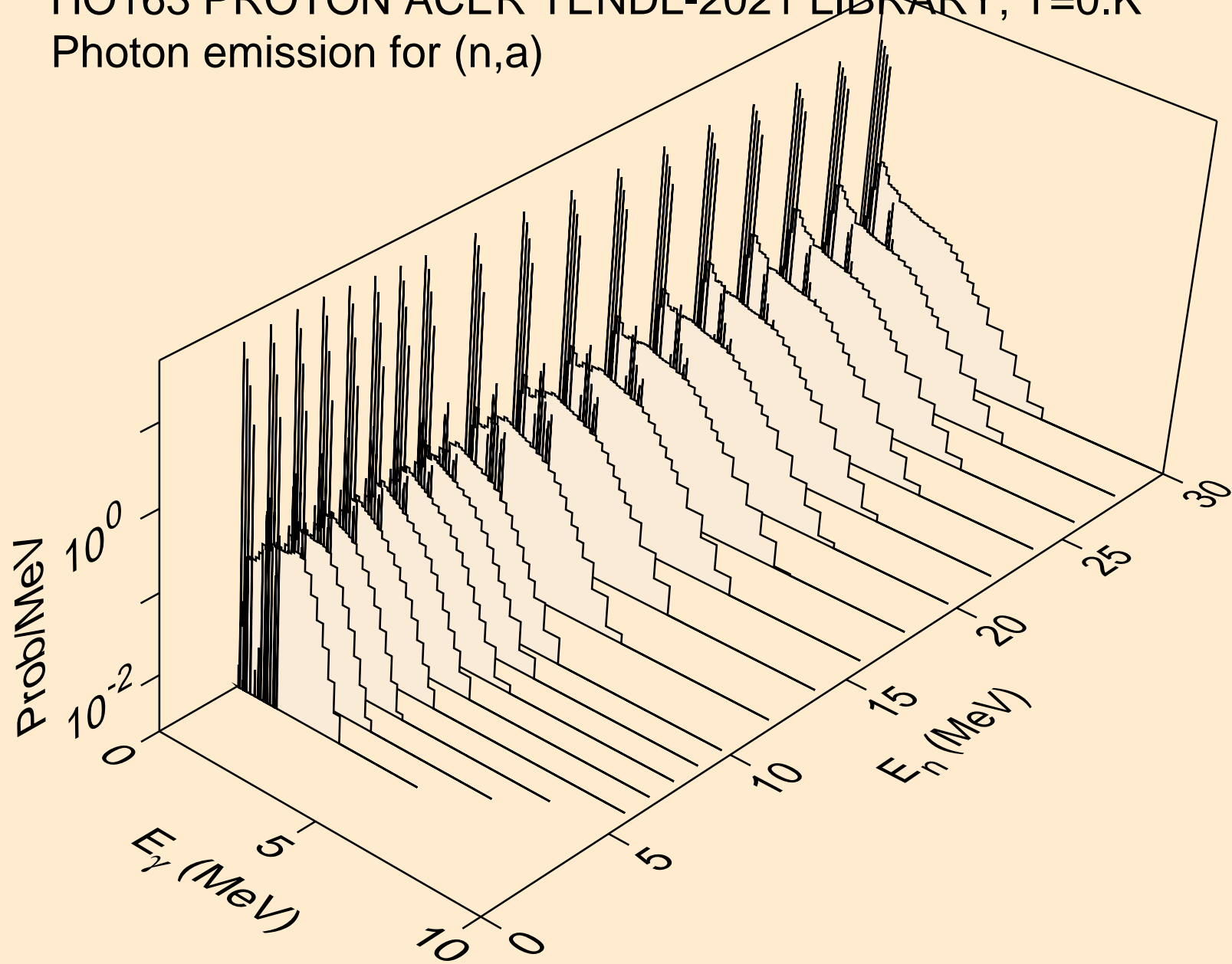
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Photon emission for (n,t)



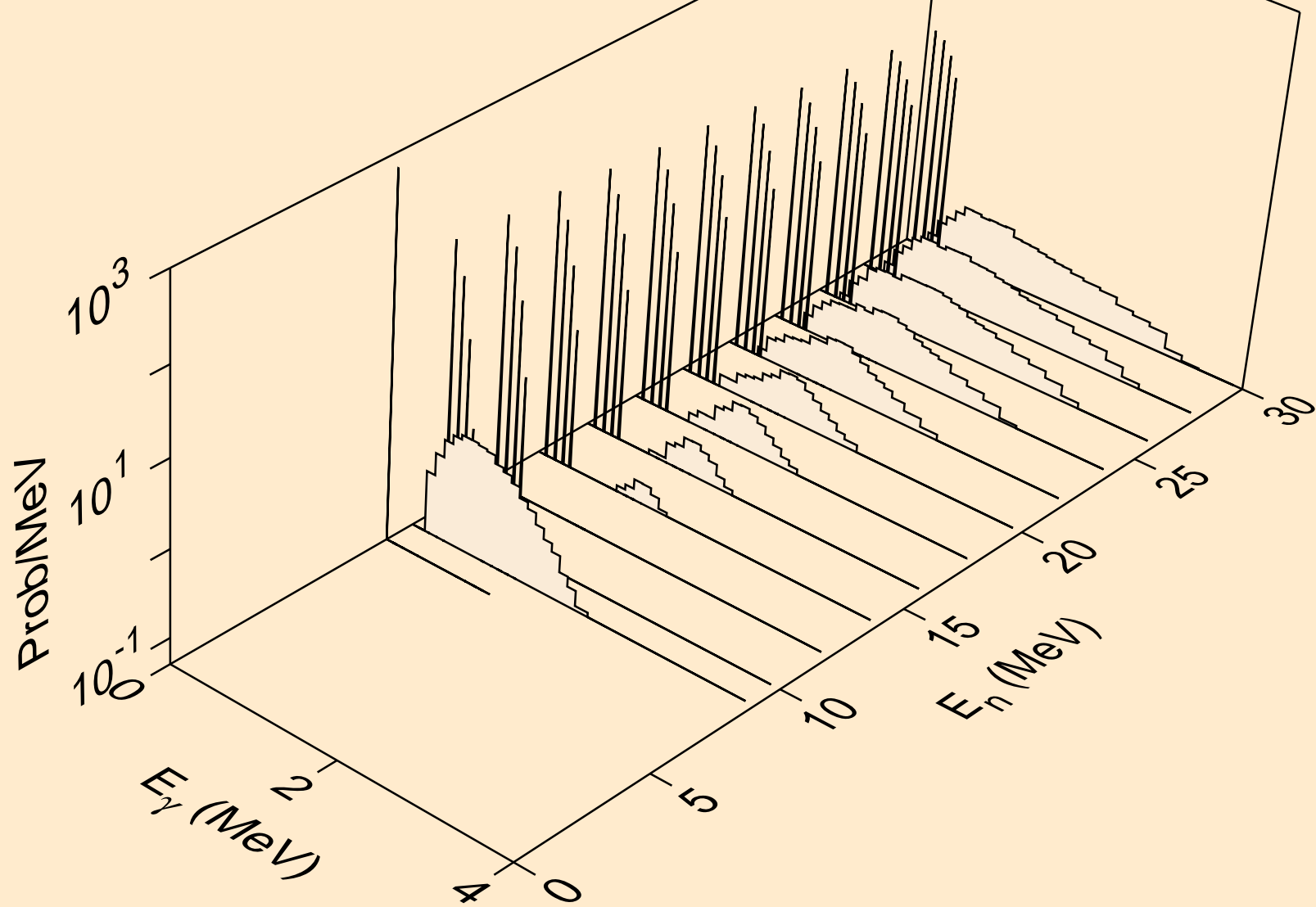
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Photon emission for (n,he3)



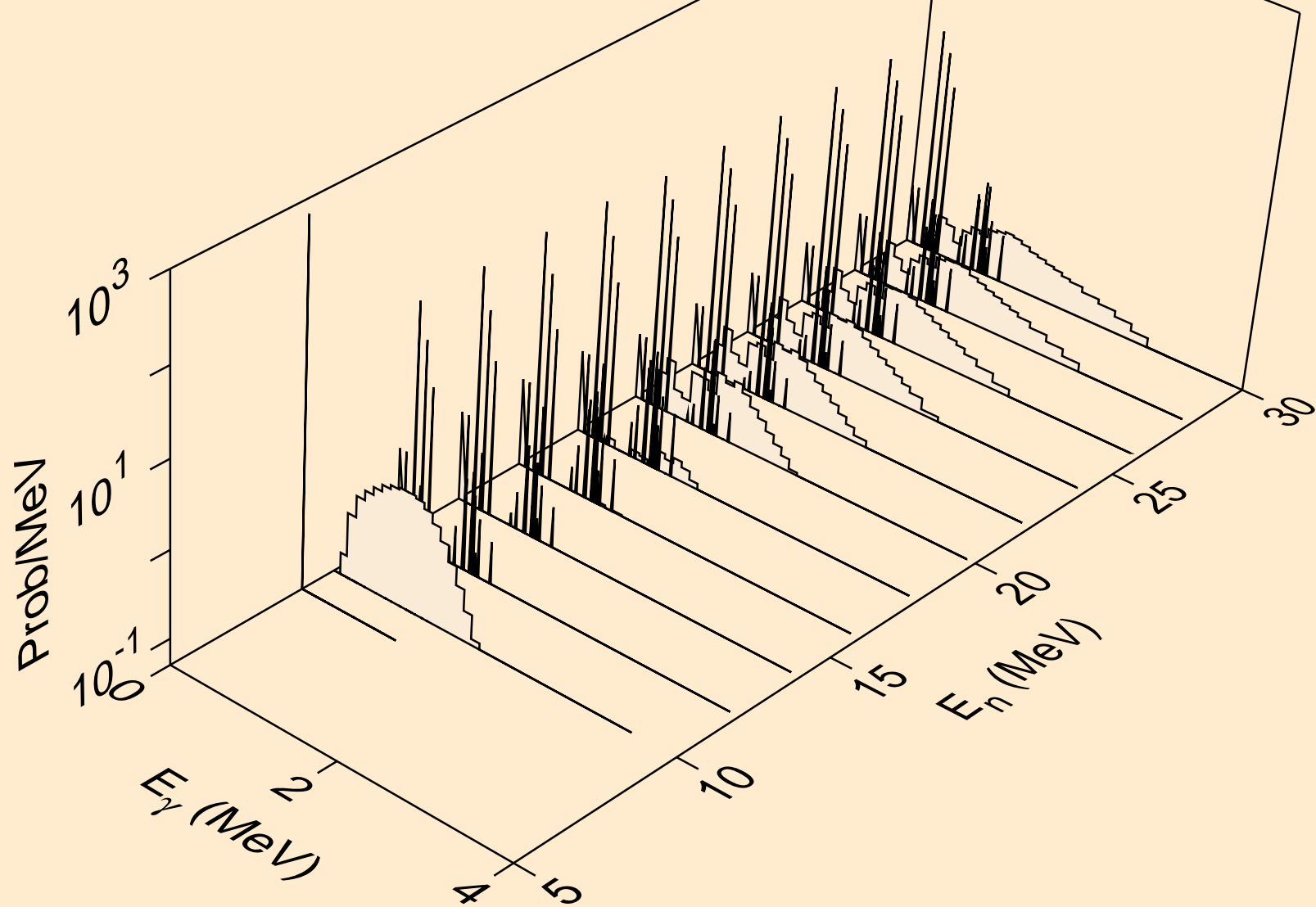
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Photon emission for (n,a)



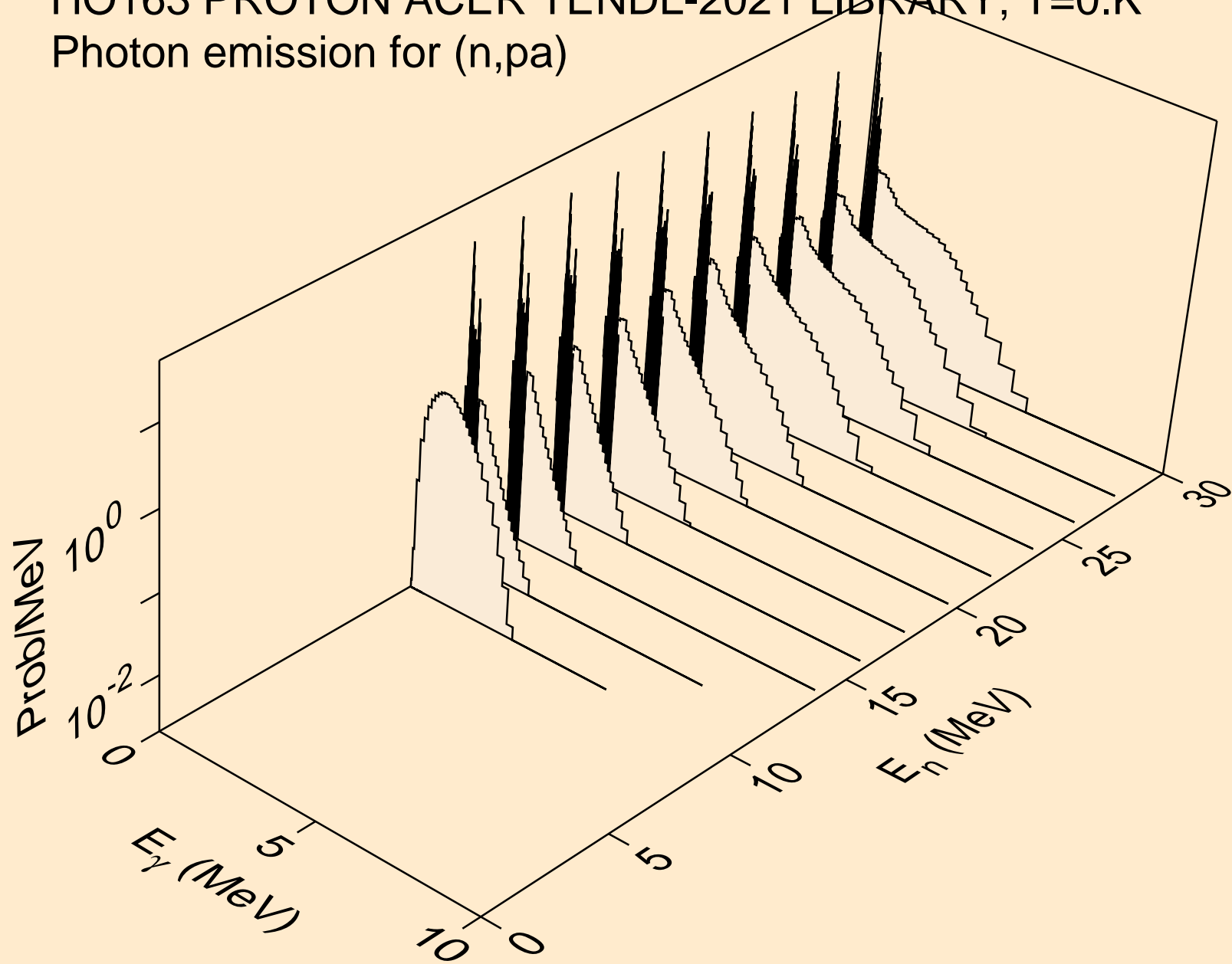
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Photon emission for (n,2a)



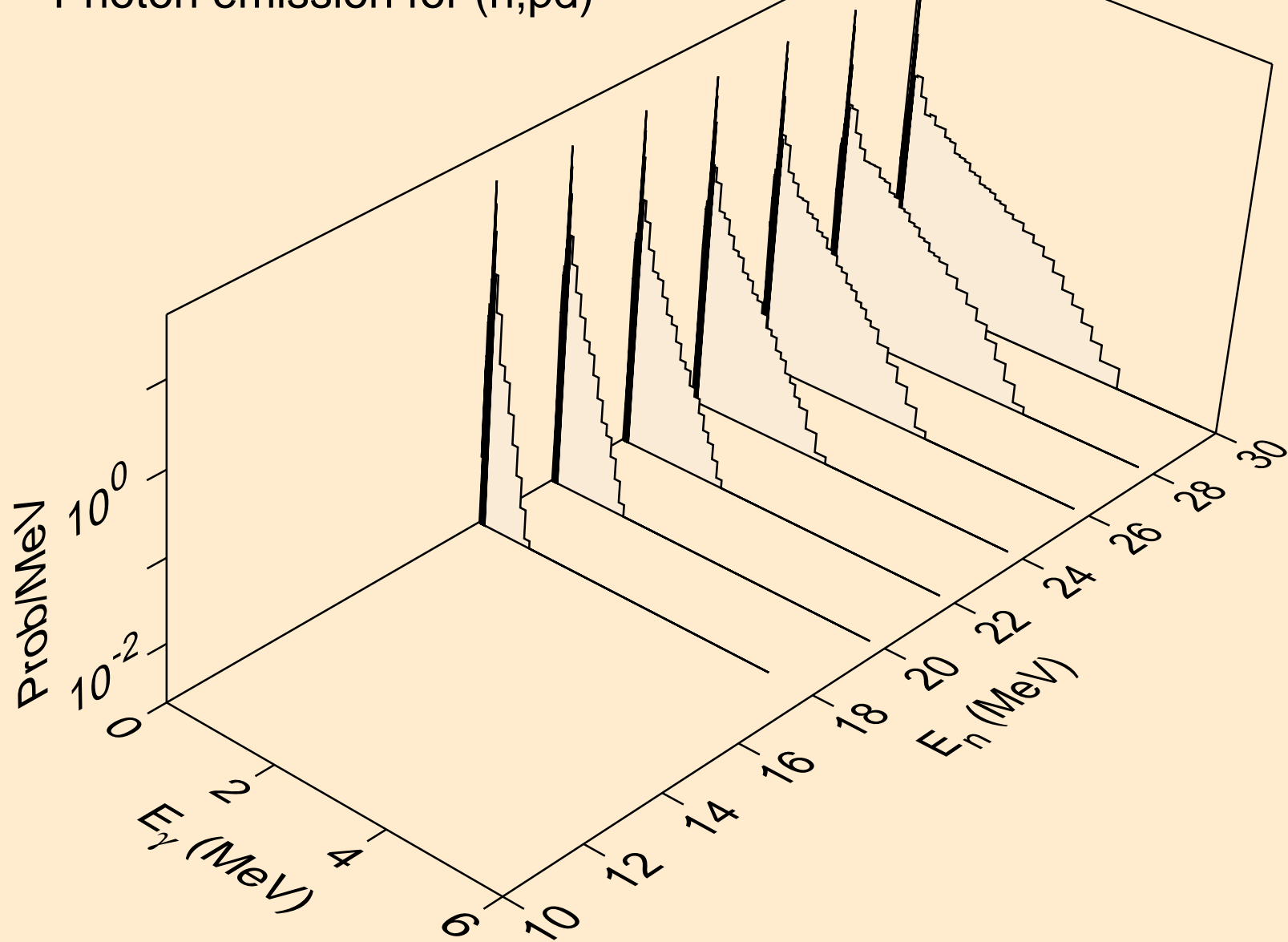
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)



HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pa)

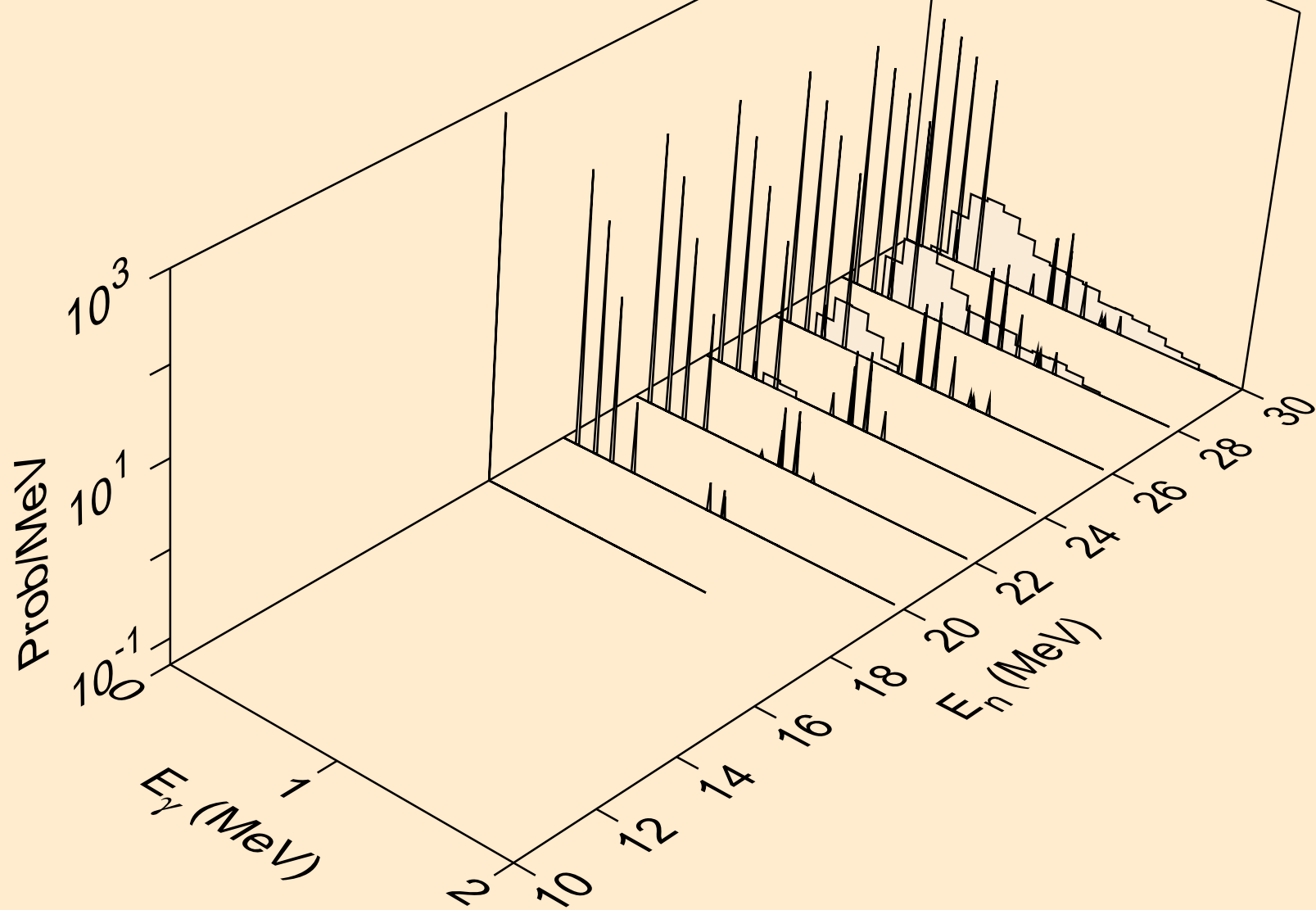


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Photon emission for (n,pd)

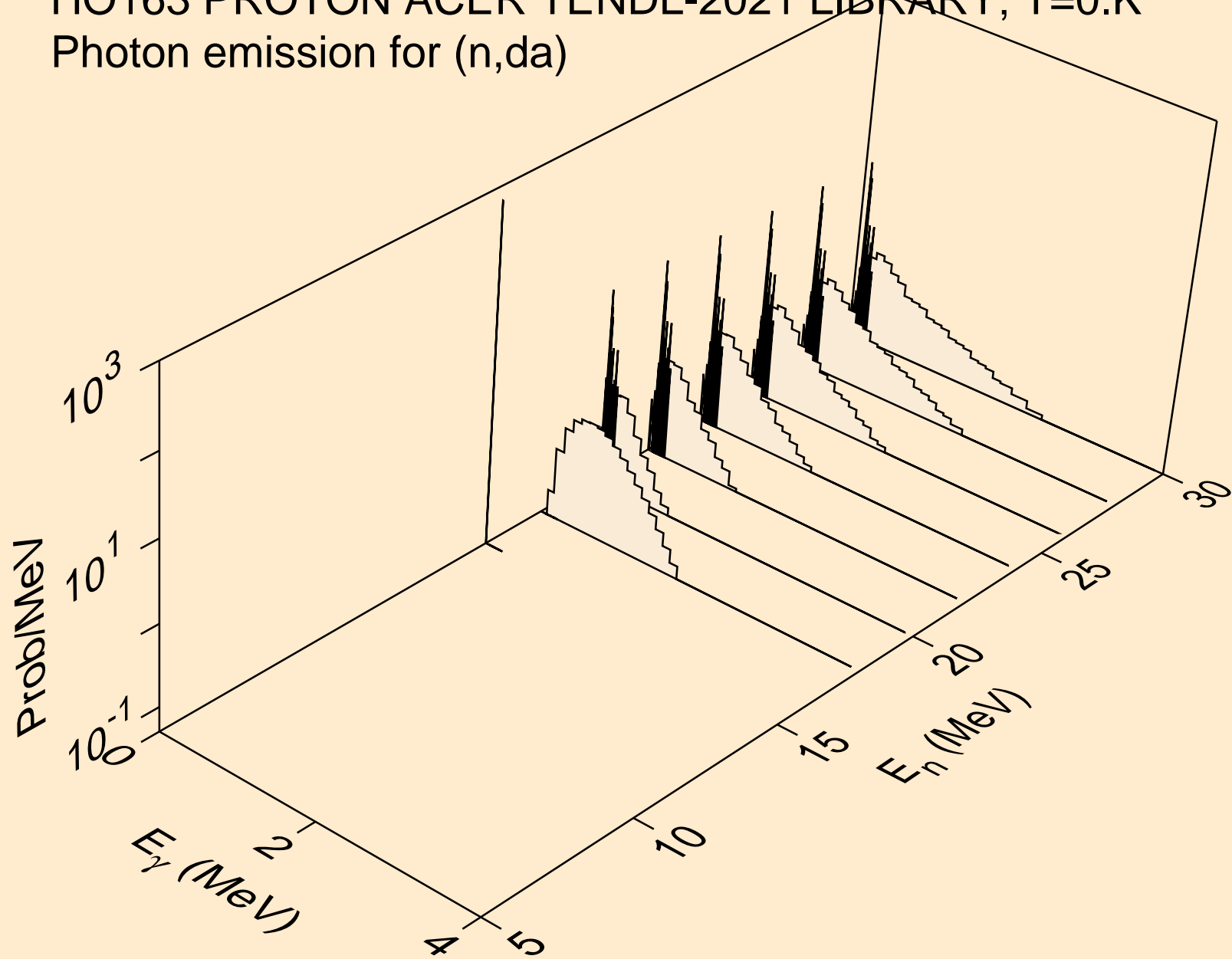




HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)

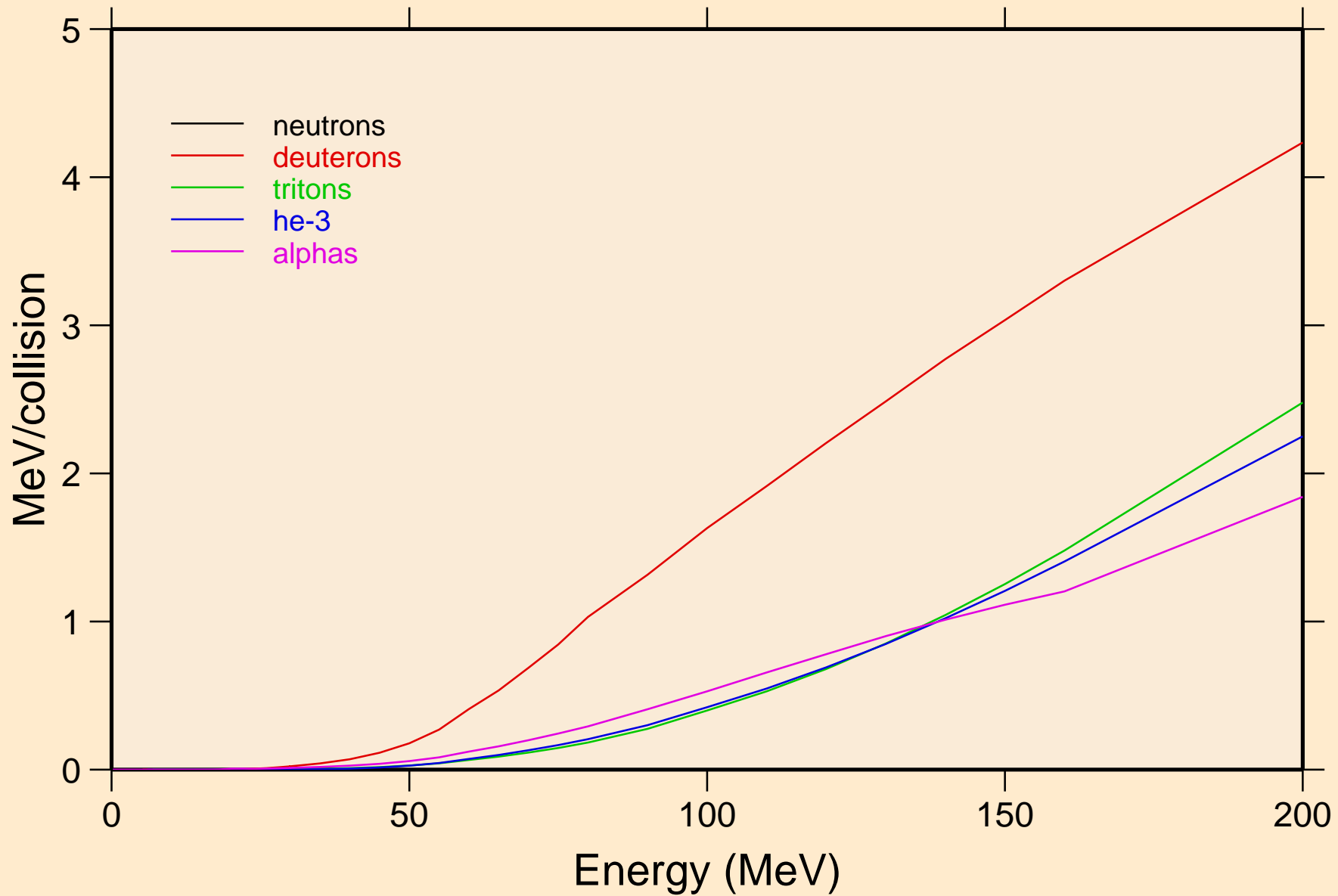


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Photon emission for (n,da)

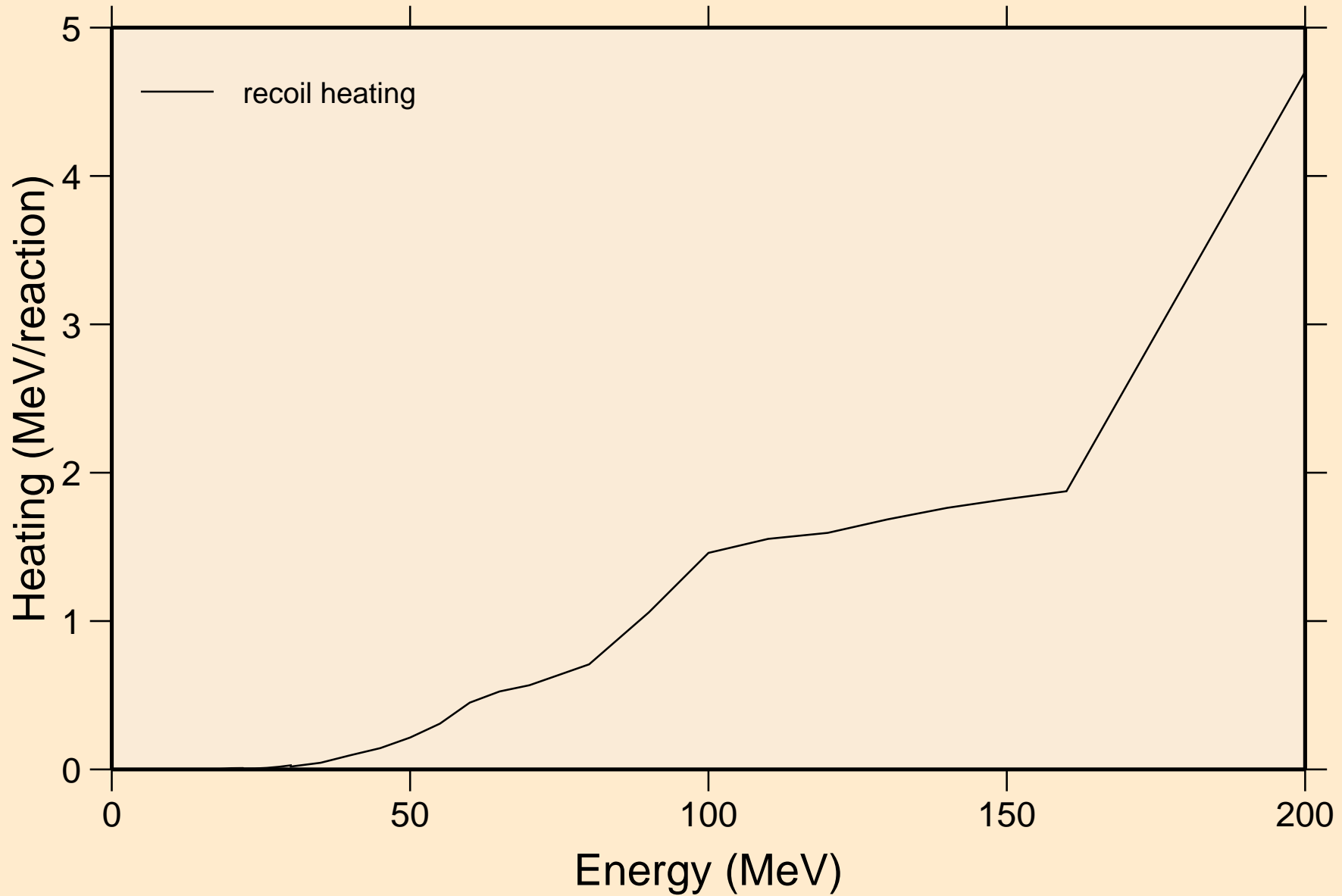


# HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K

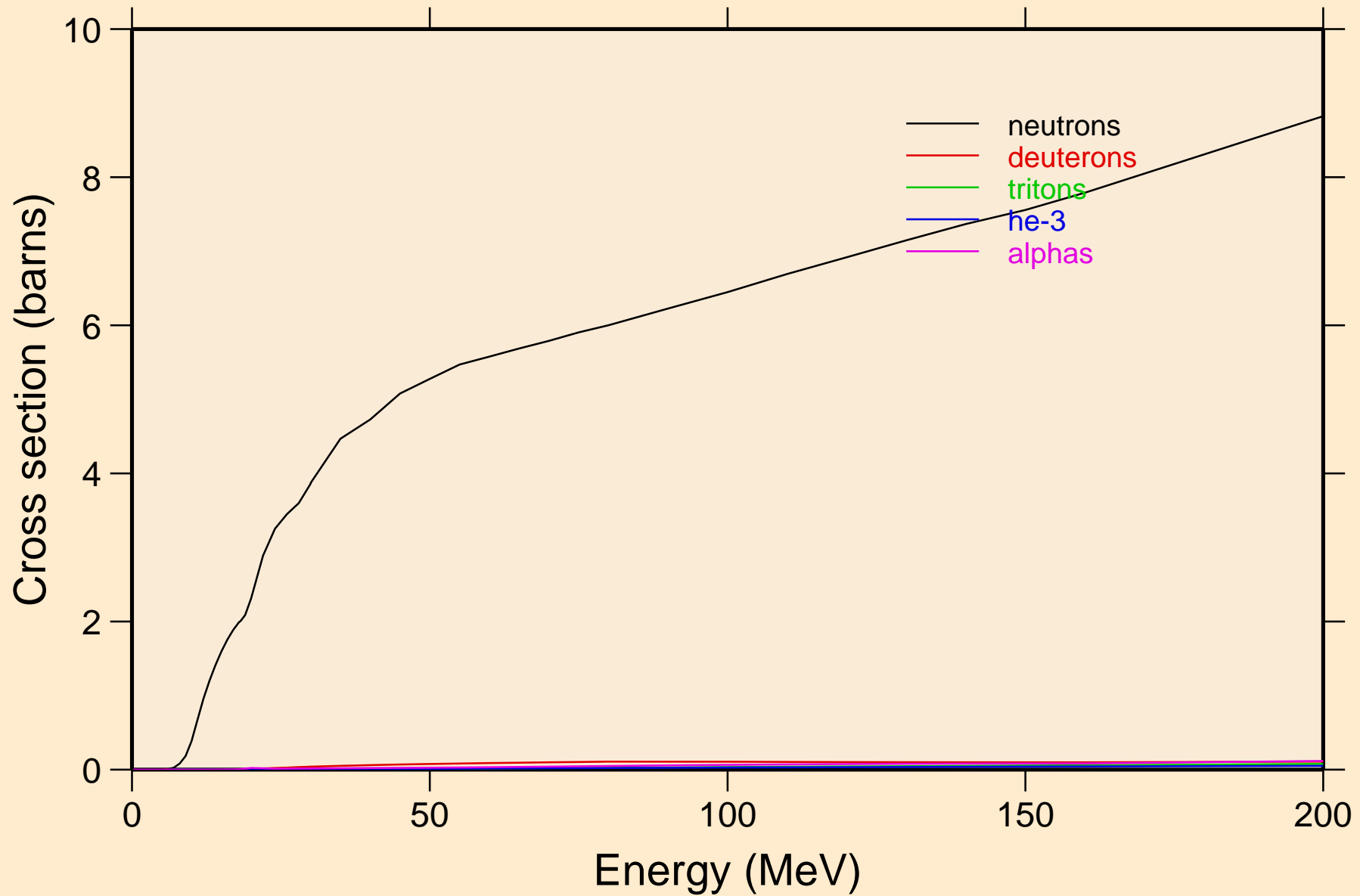
## Particle heating contributions



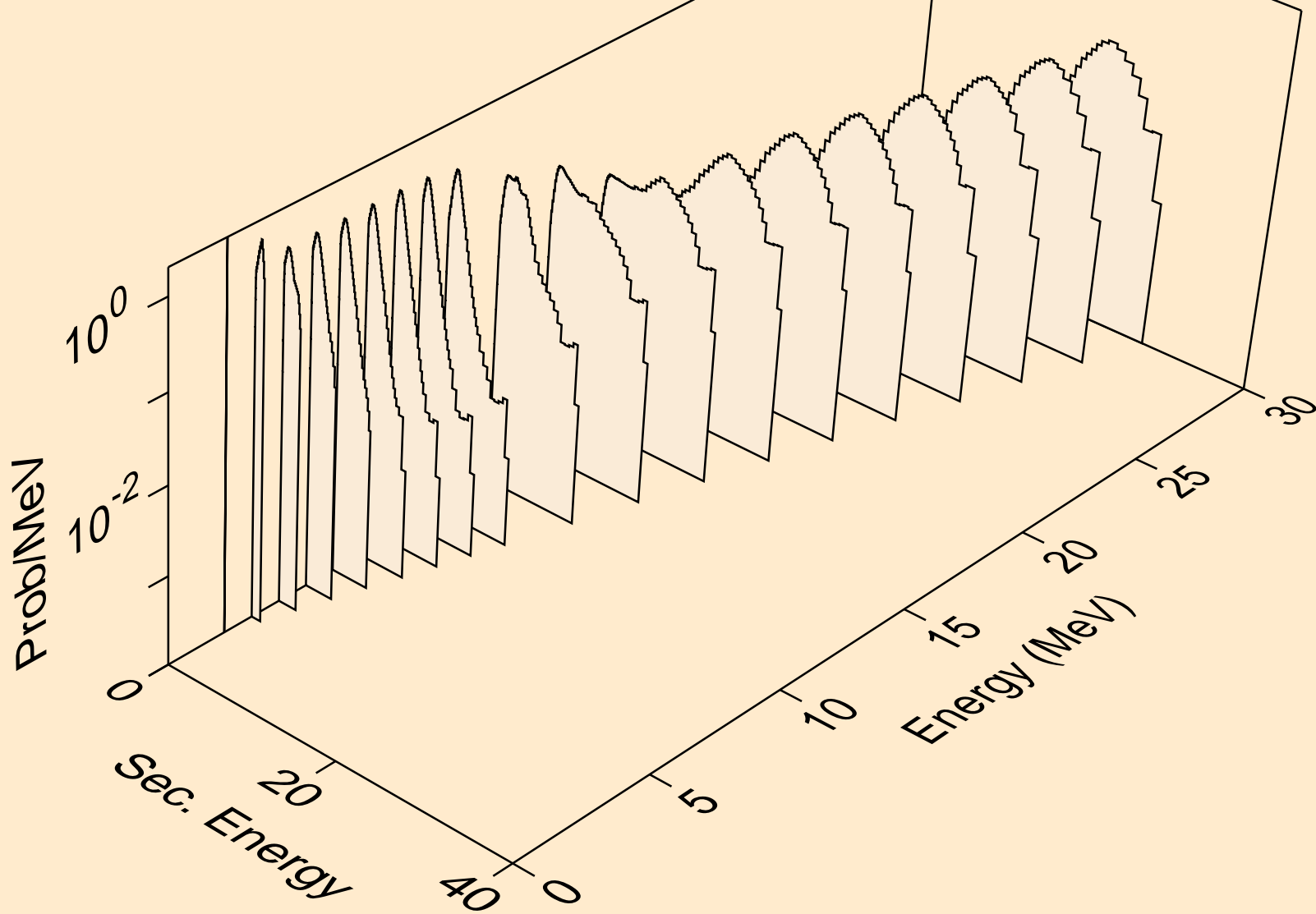
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Recoil Heating



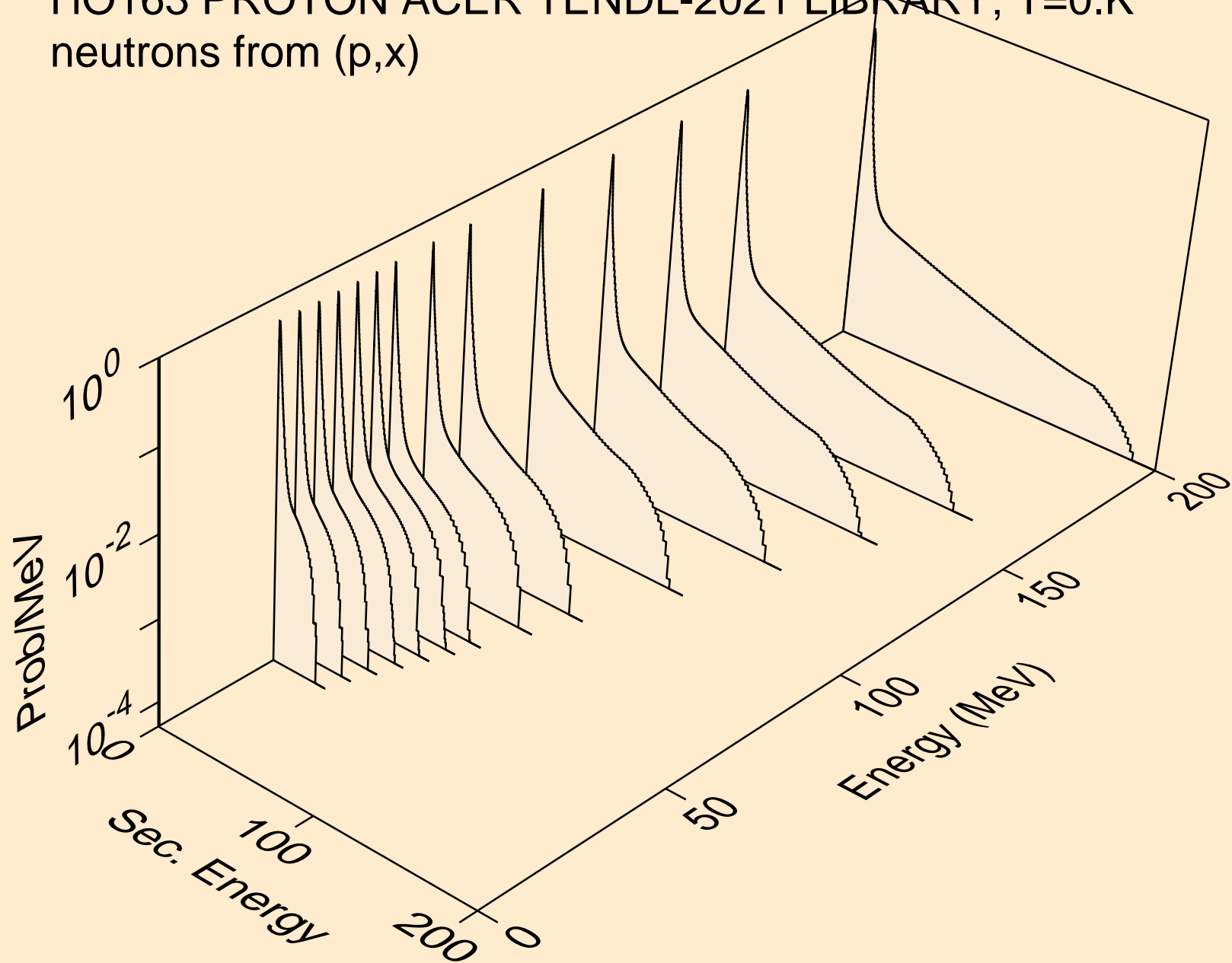
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections



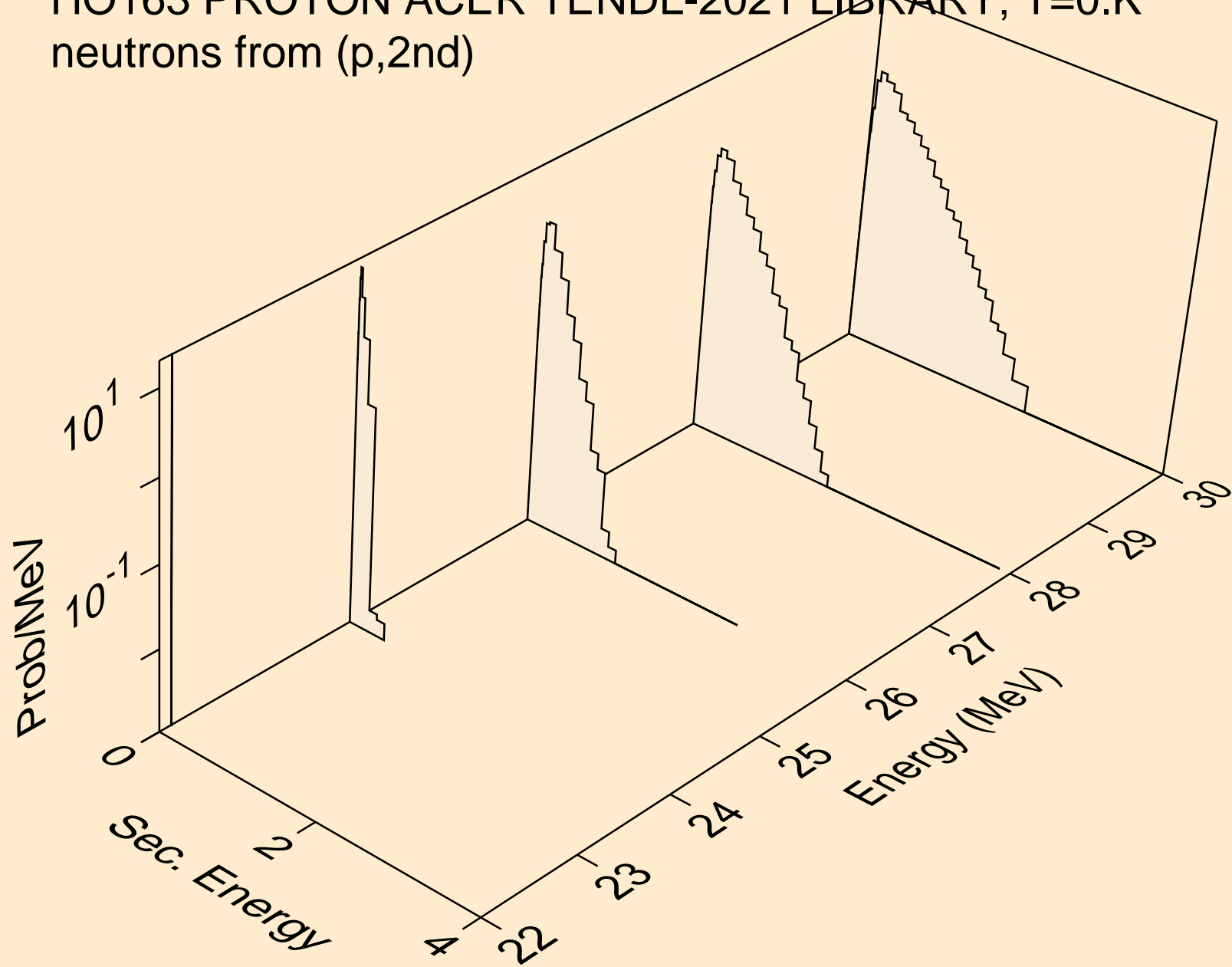
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n)



HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,x)

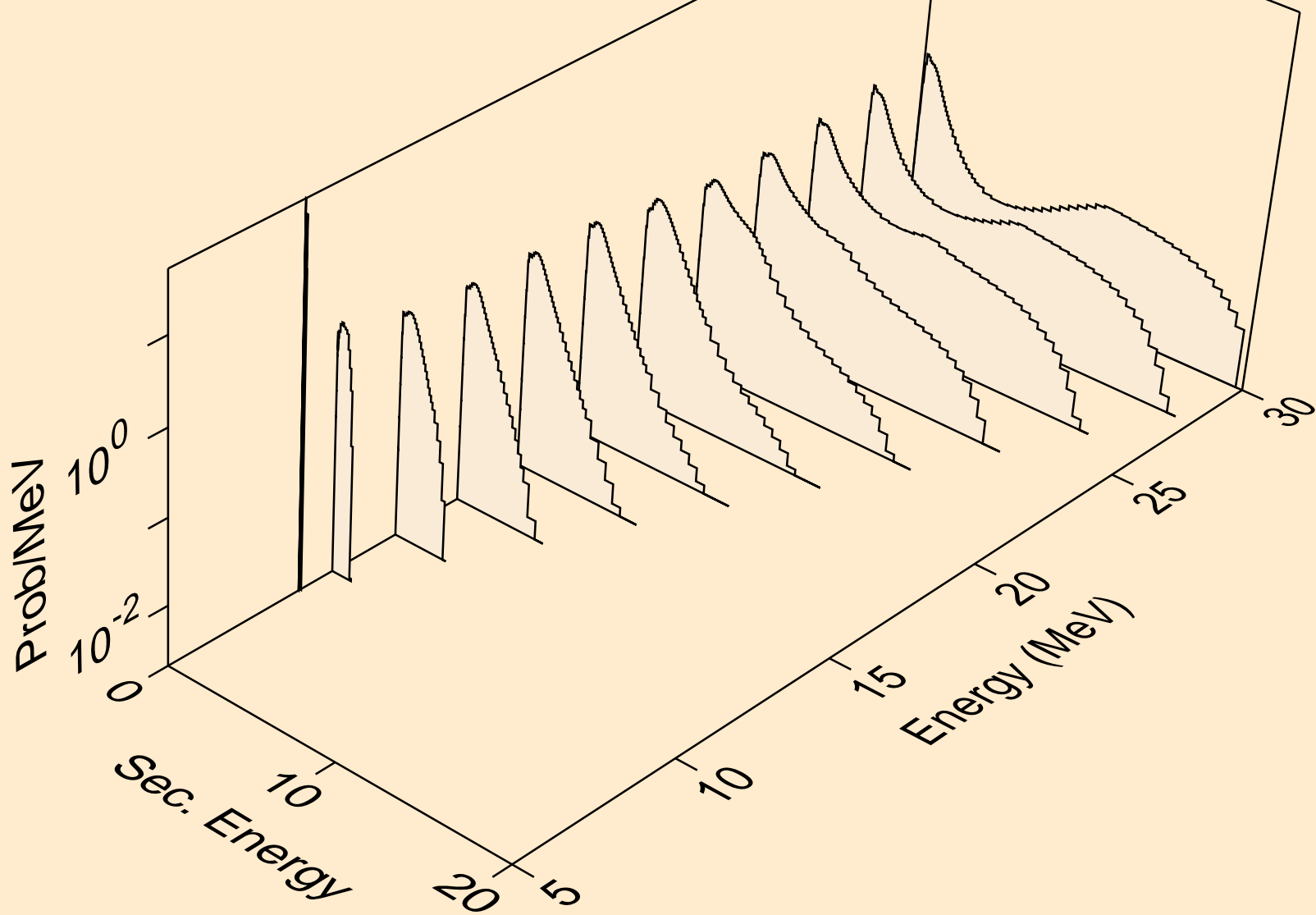


HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2nd)

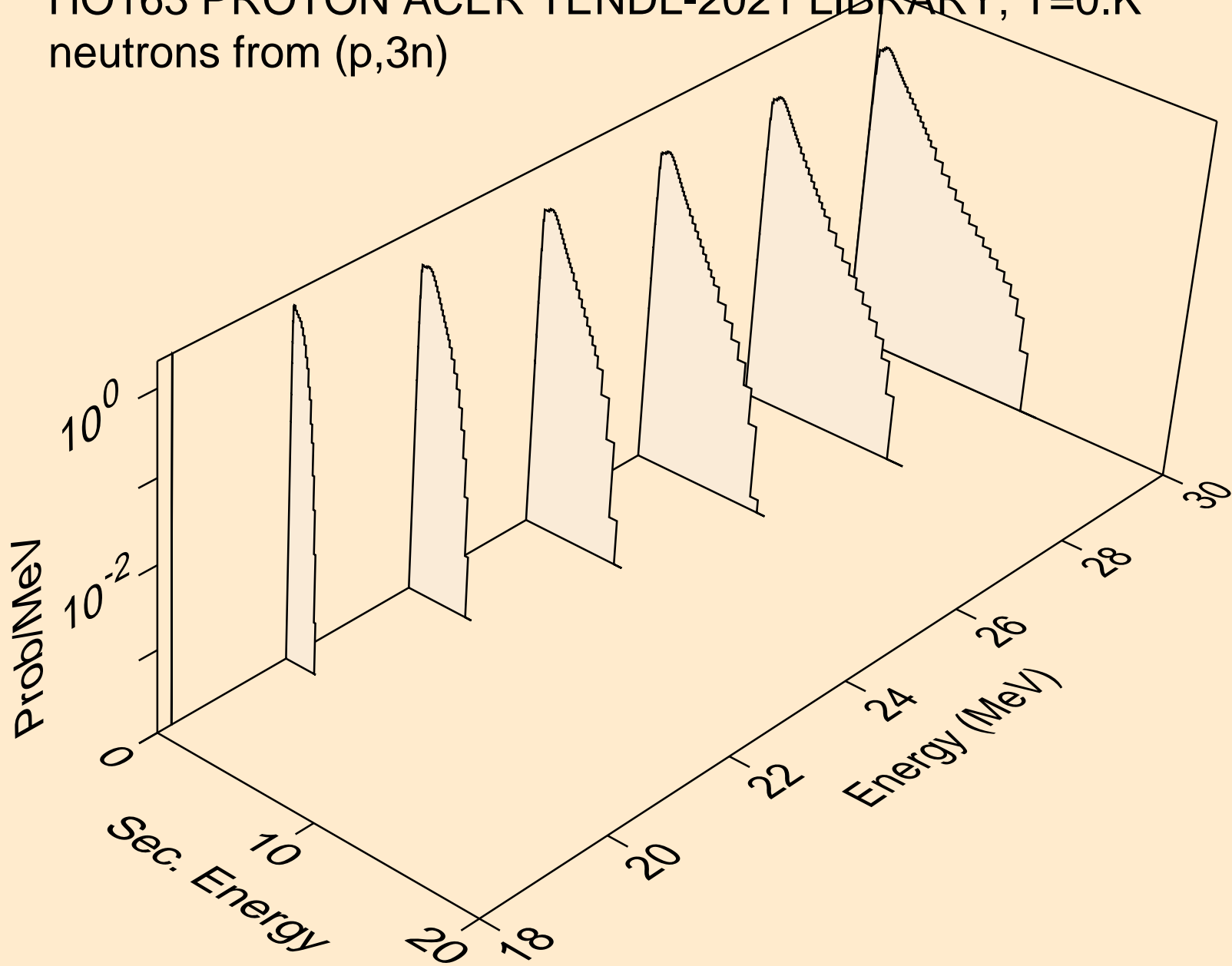




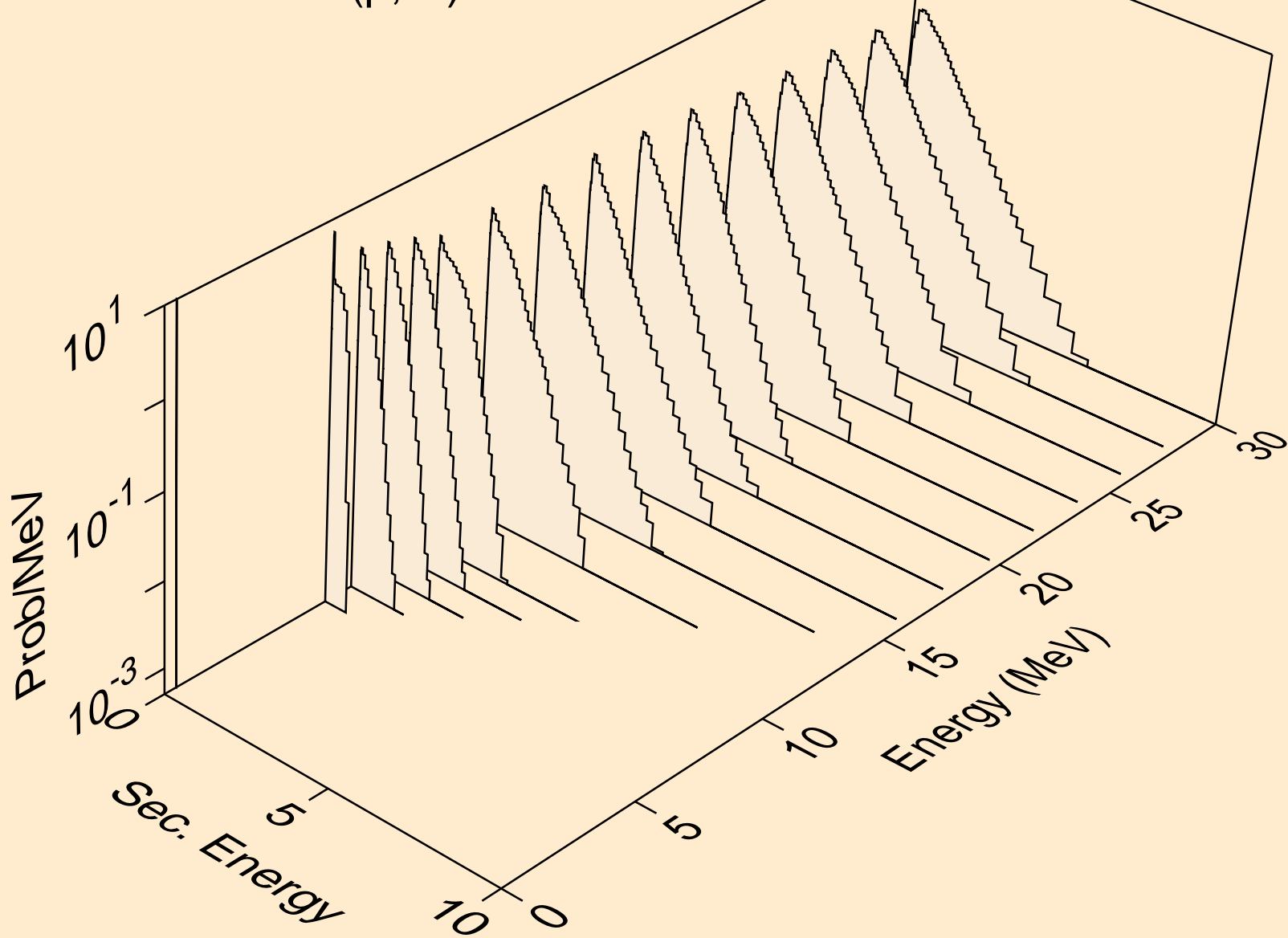
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2n)



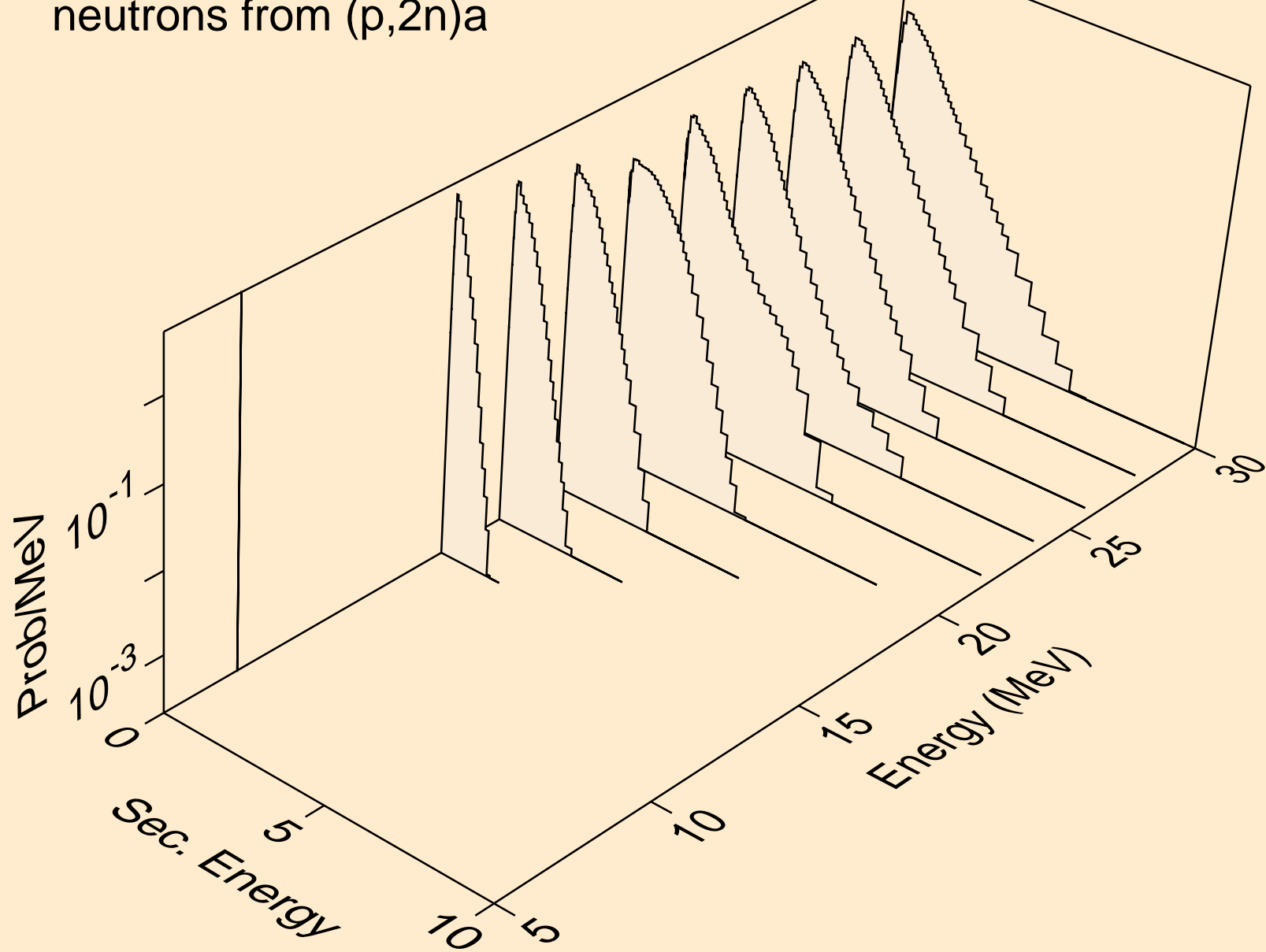
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3n)



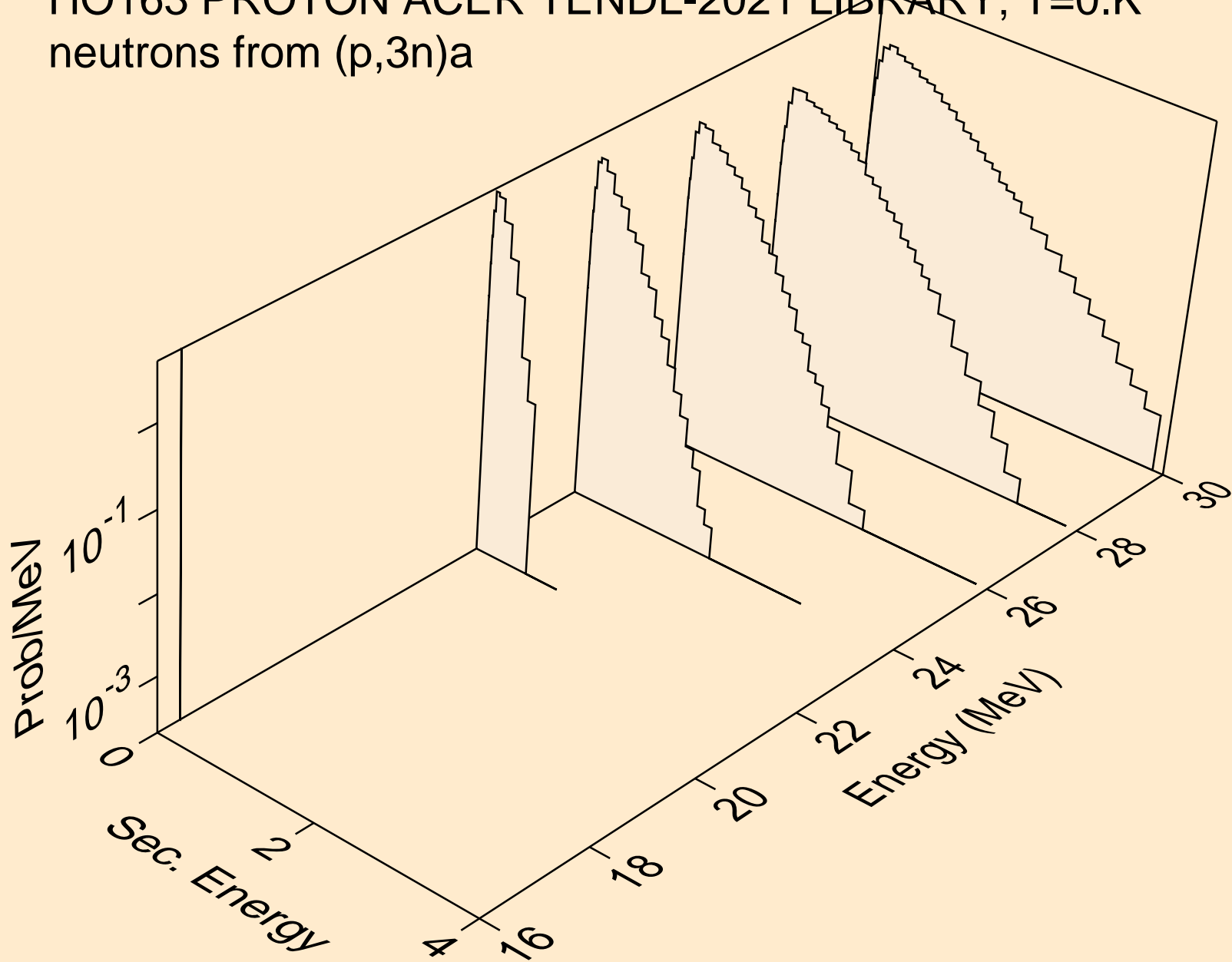
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)a



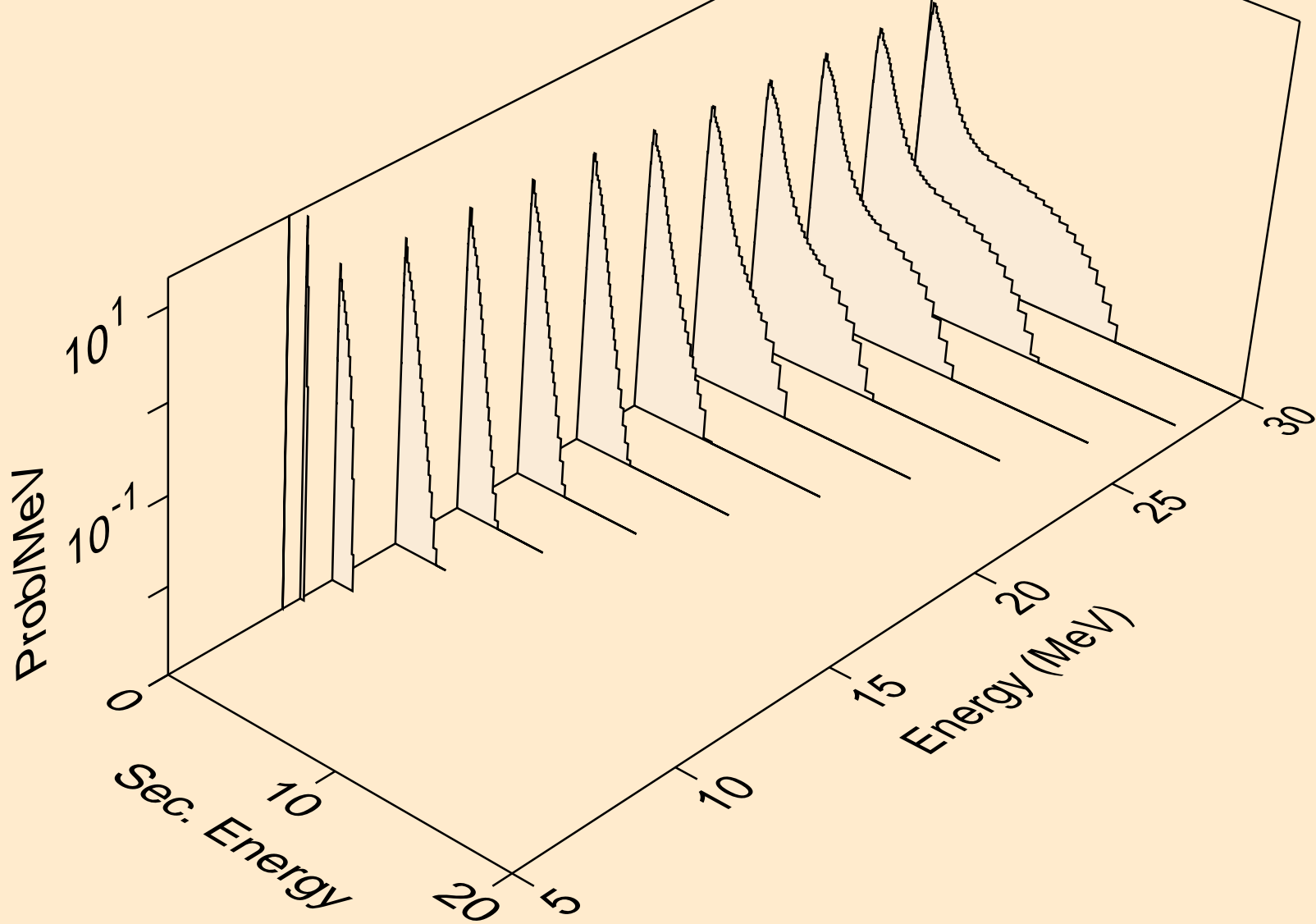
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2n)a



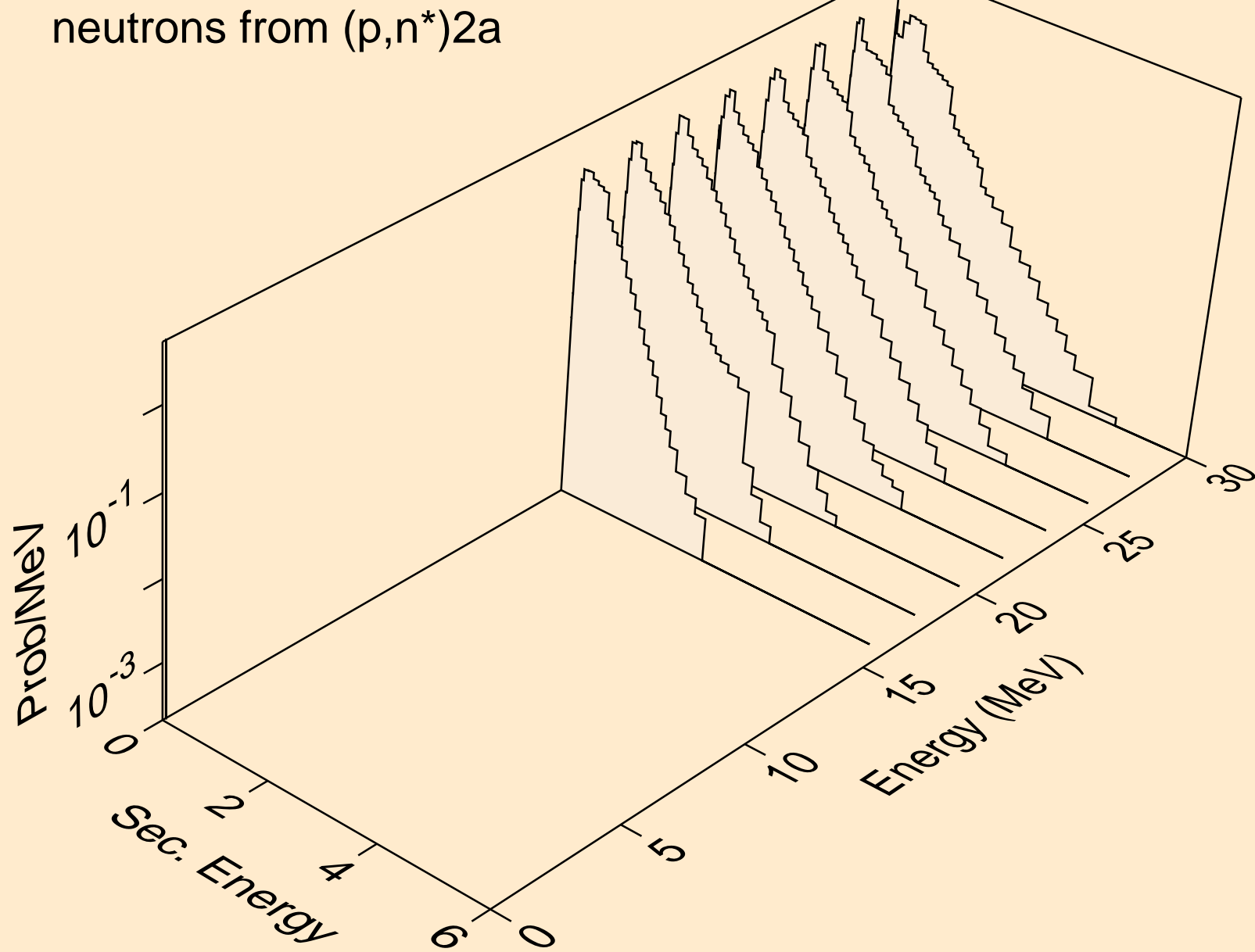
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neutrons from (p,3n)a



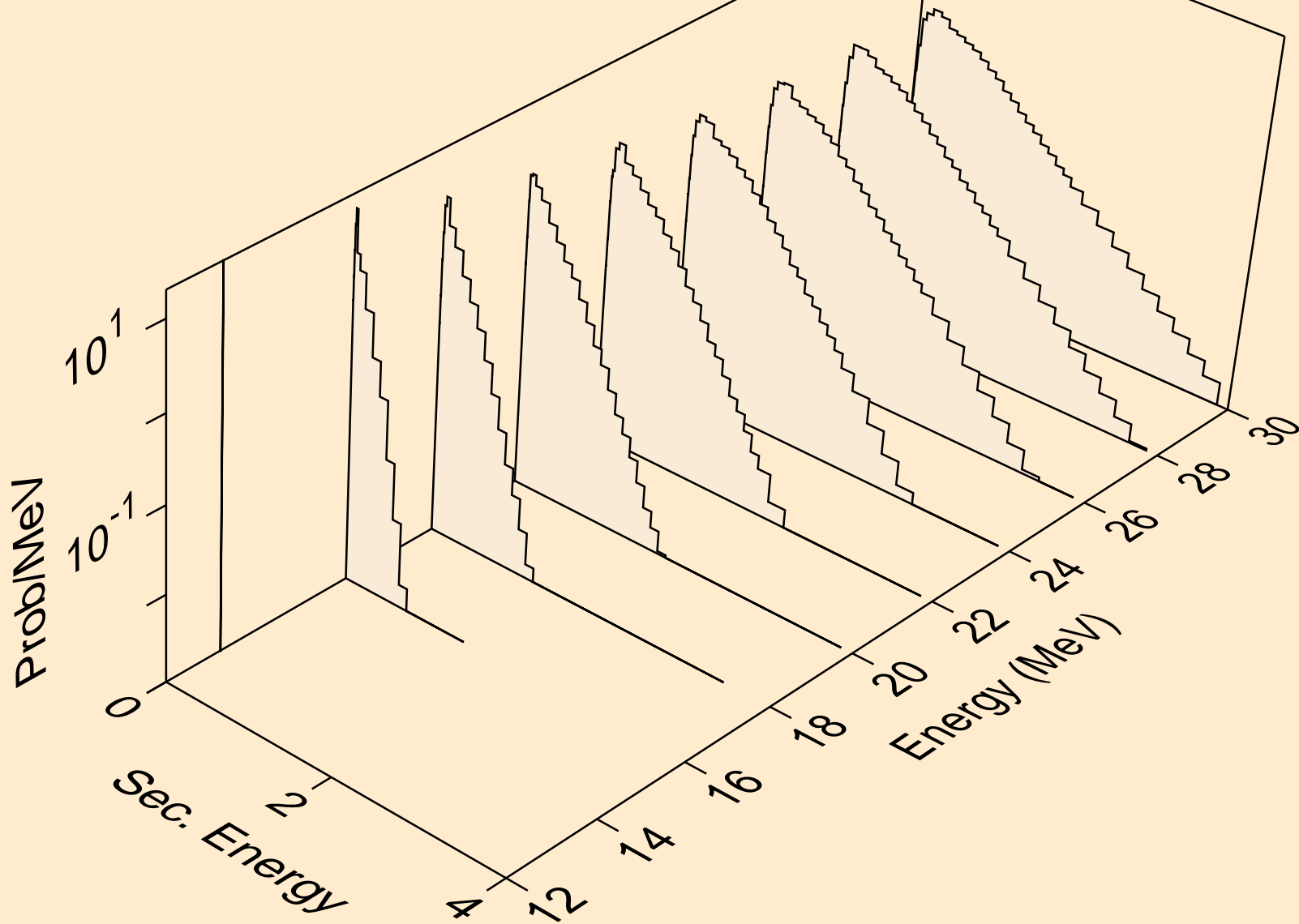
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)p



HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)2a

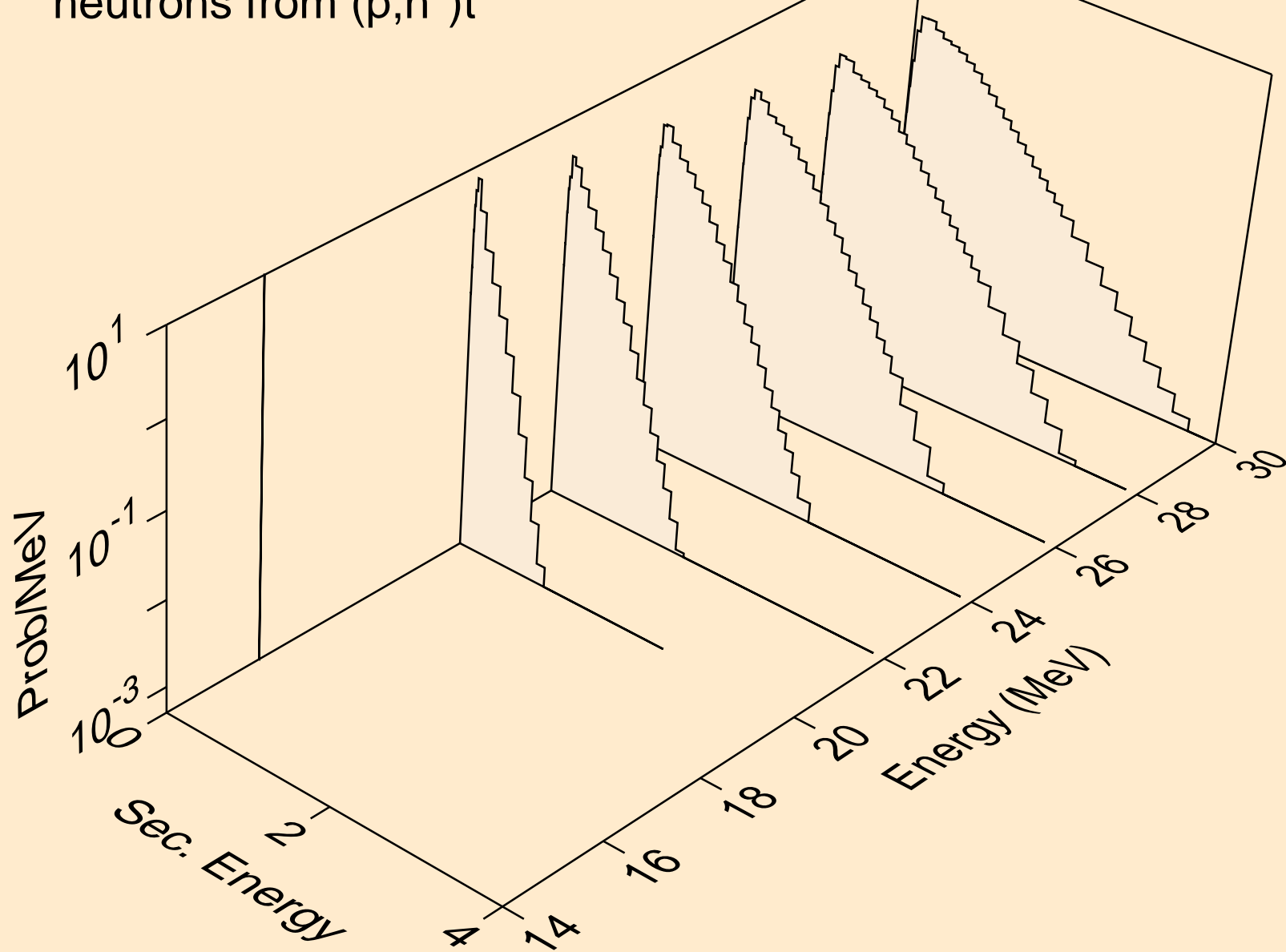


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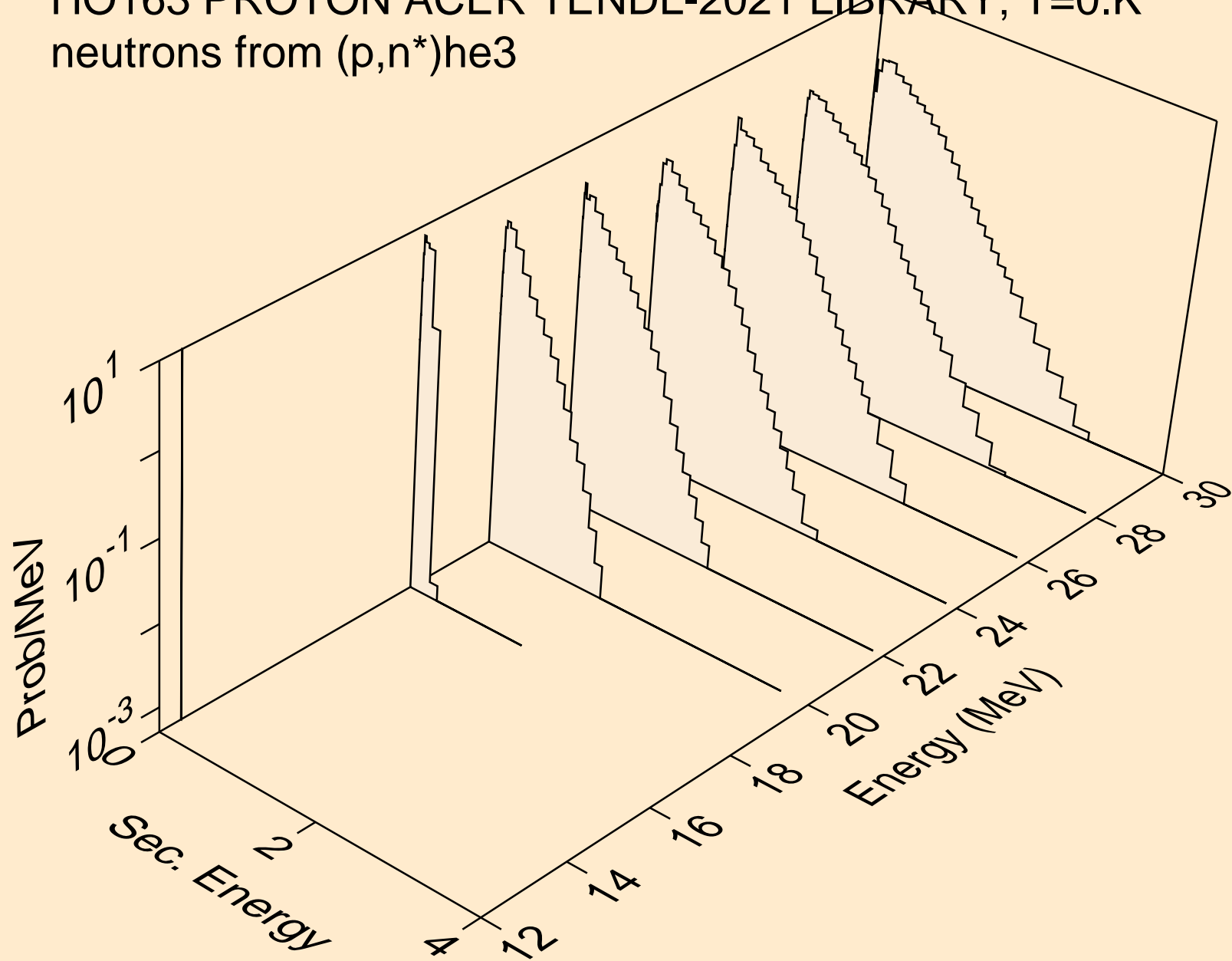




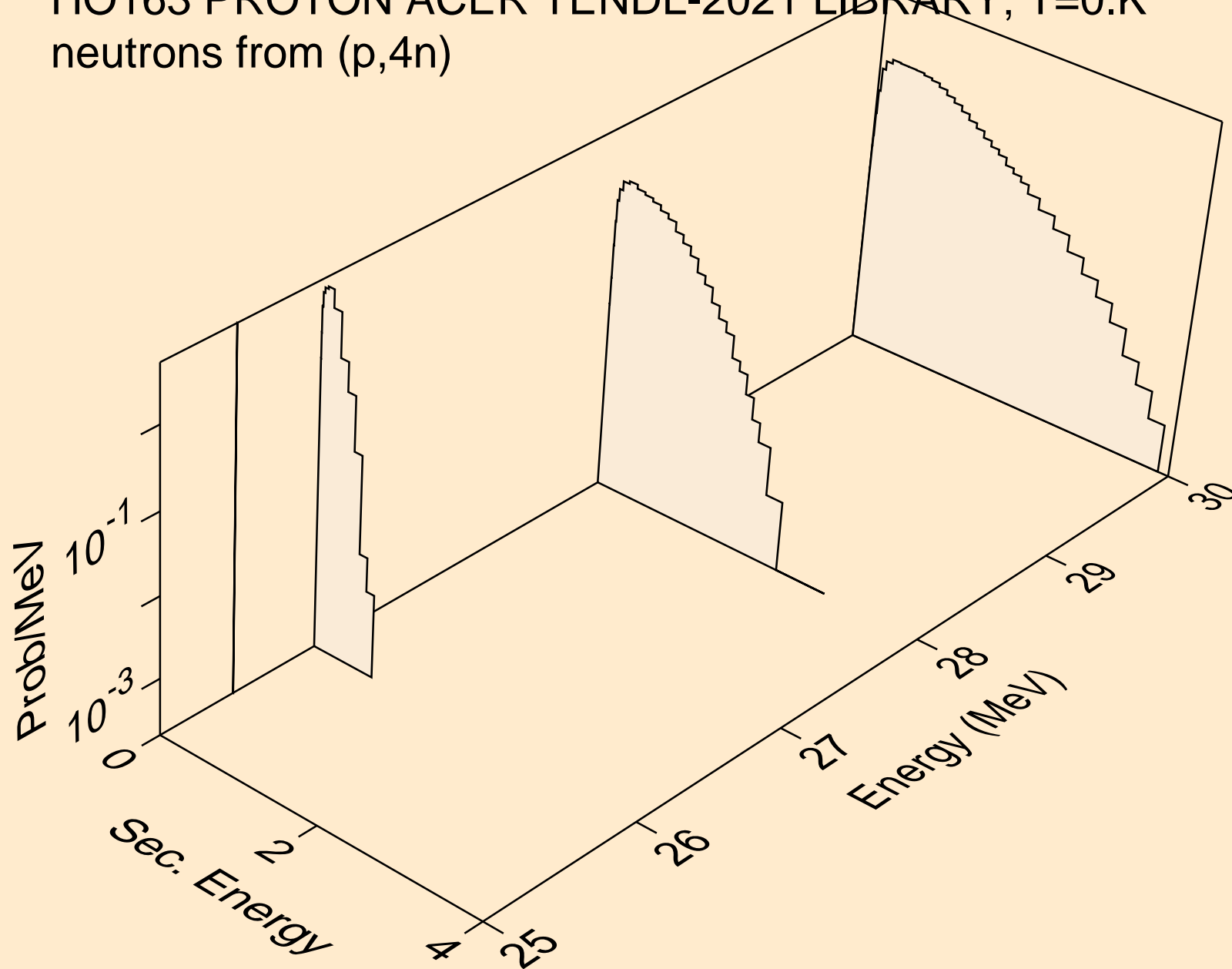
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
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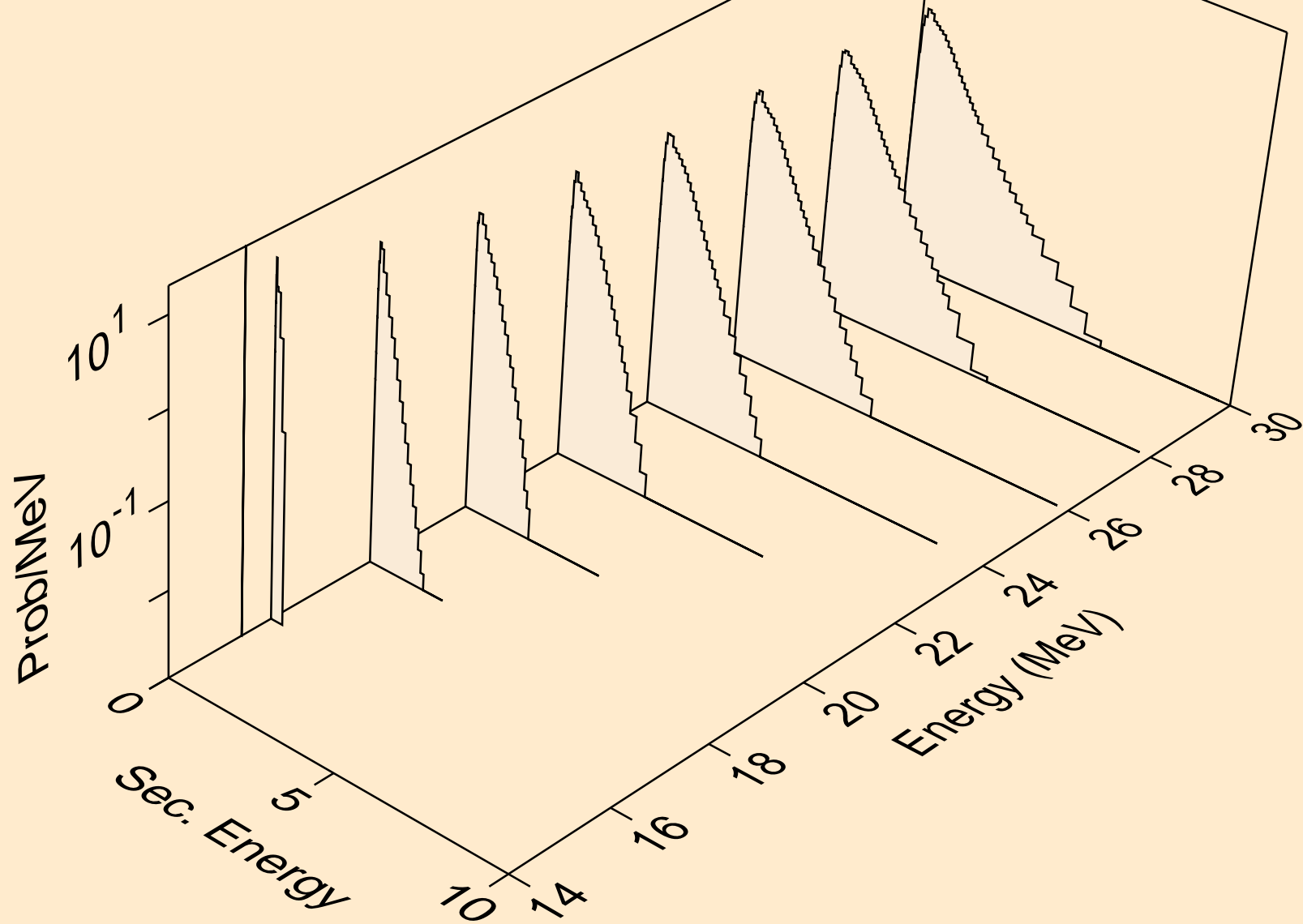
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



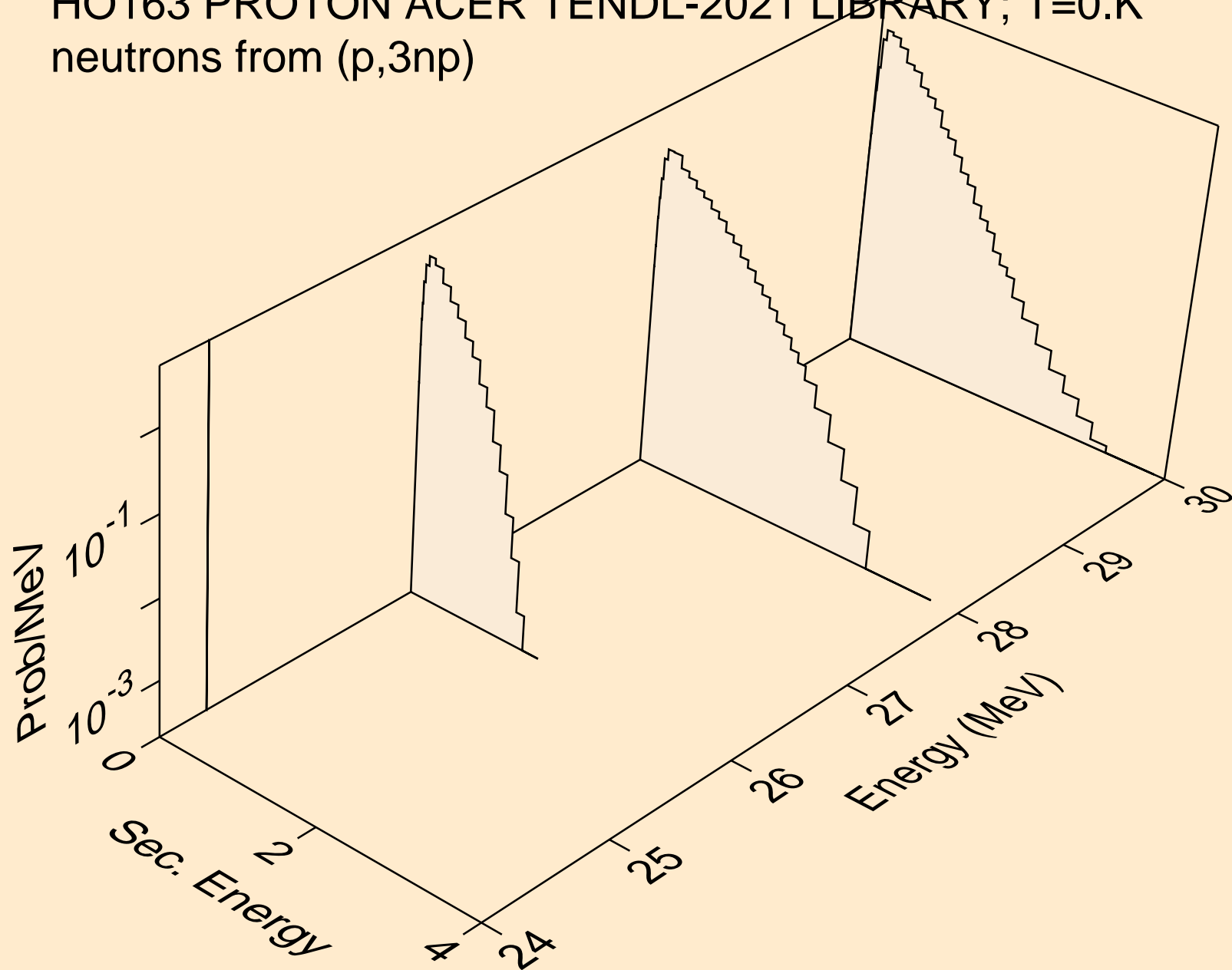
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,4n)



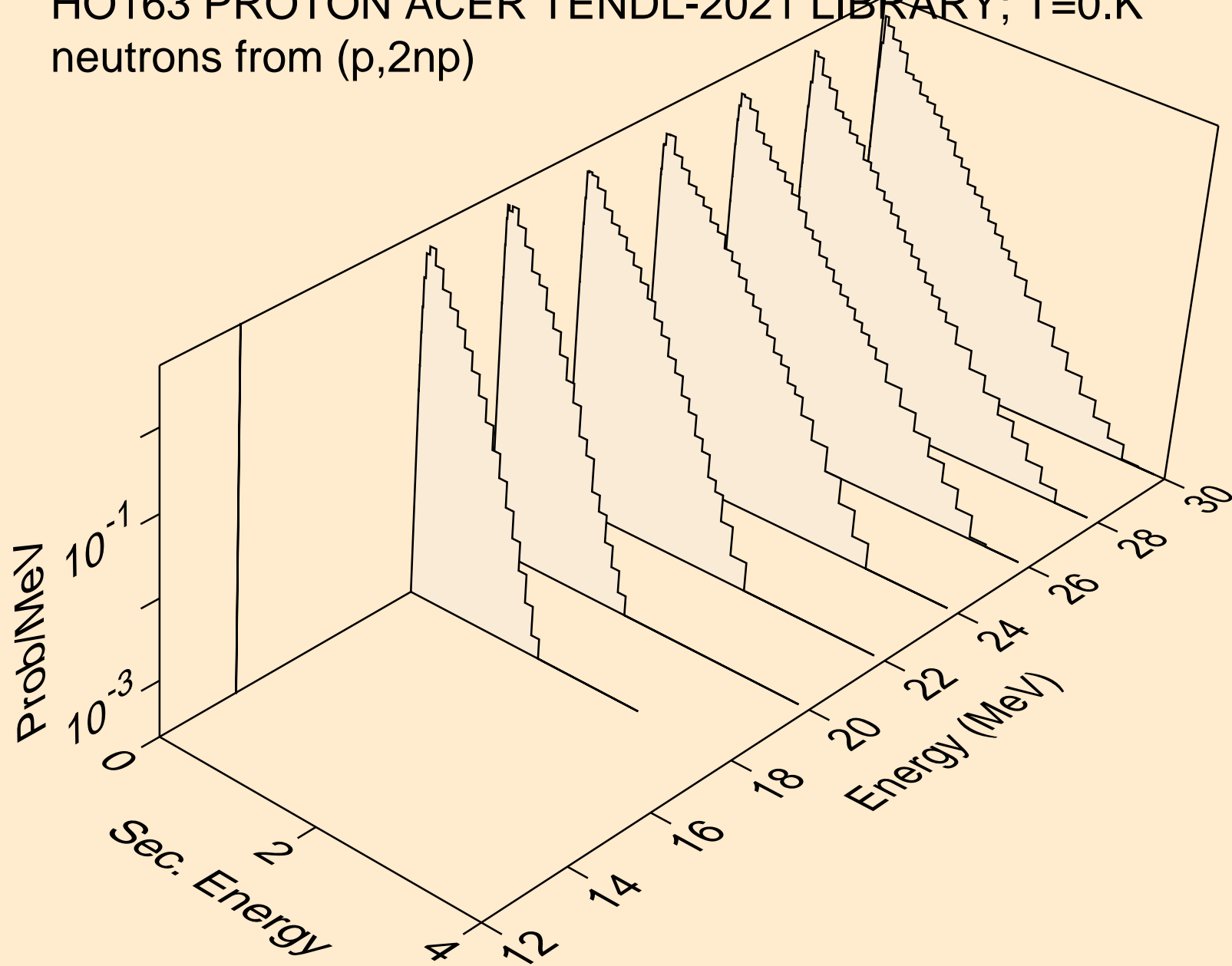
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)



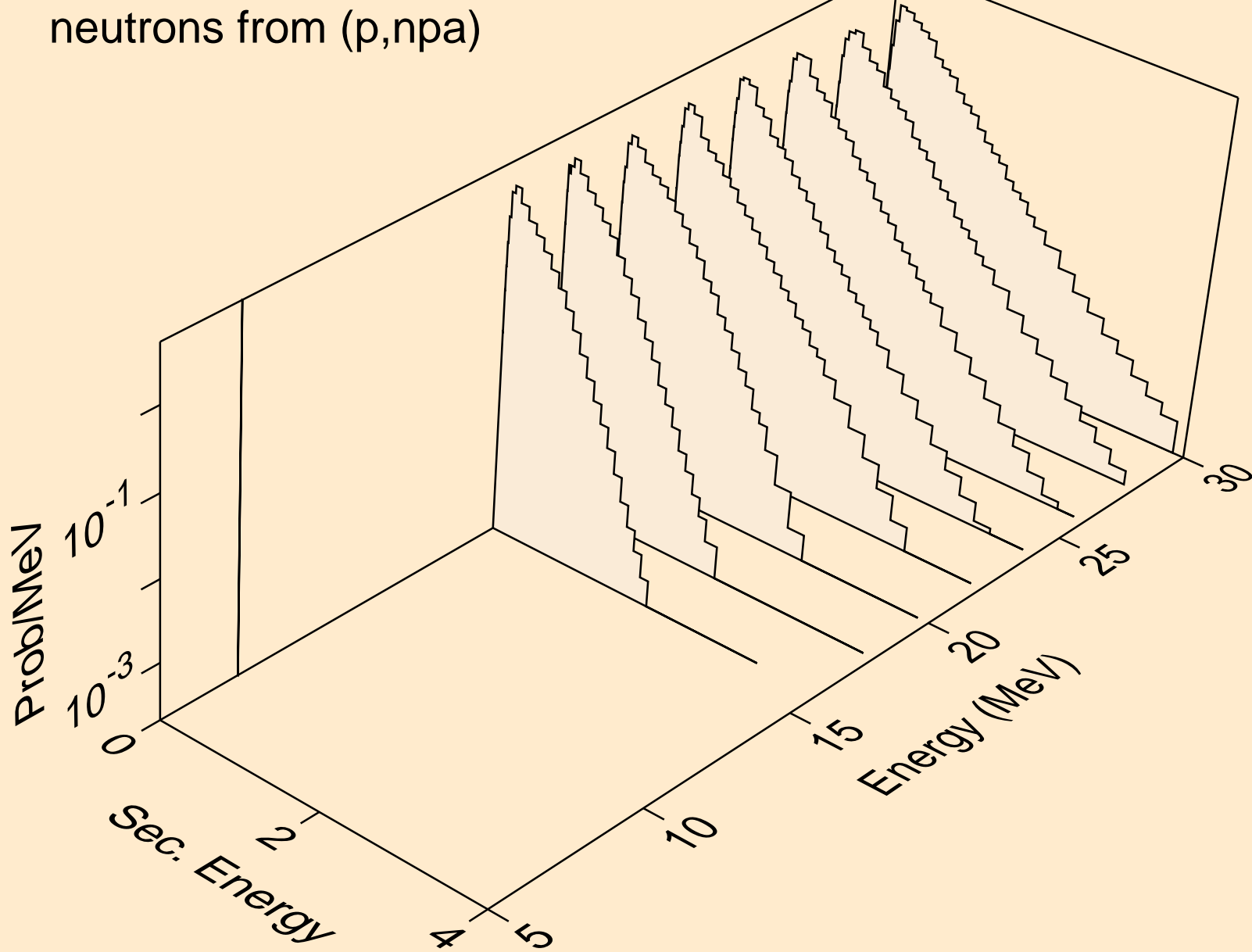
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3np)



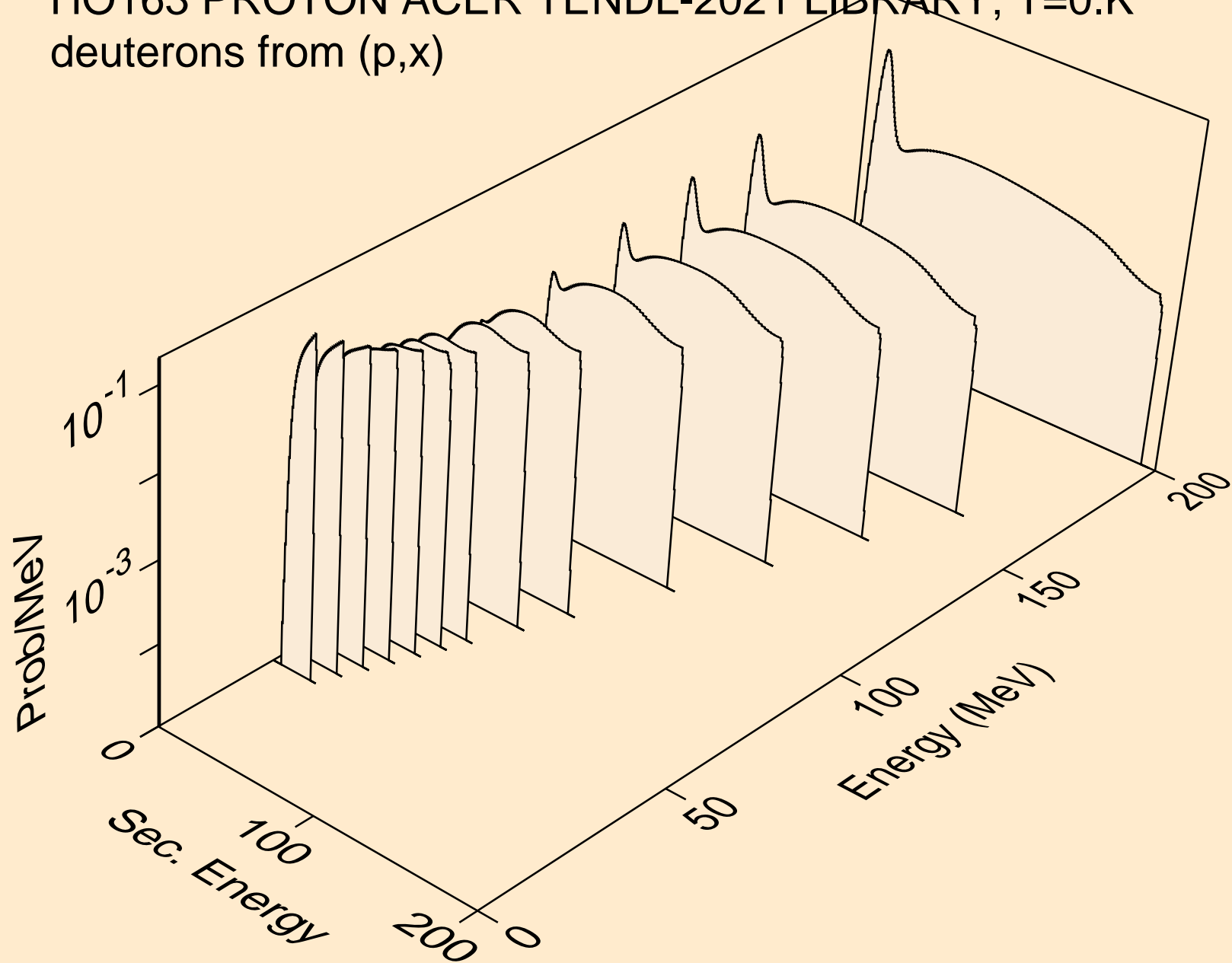
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)



HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,npa)

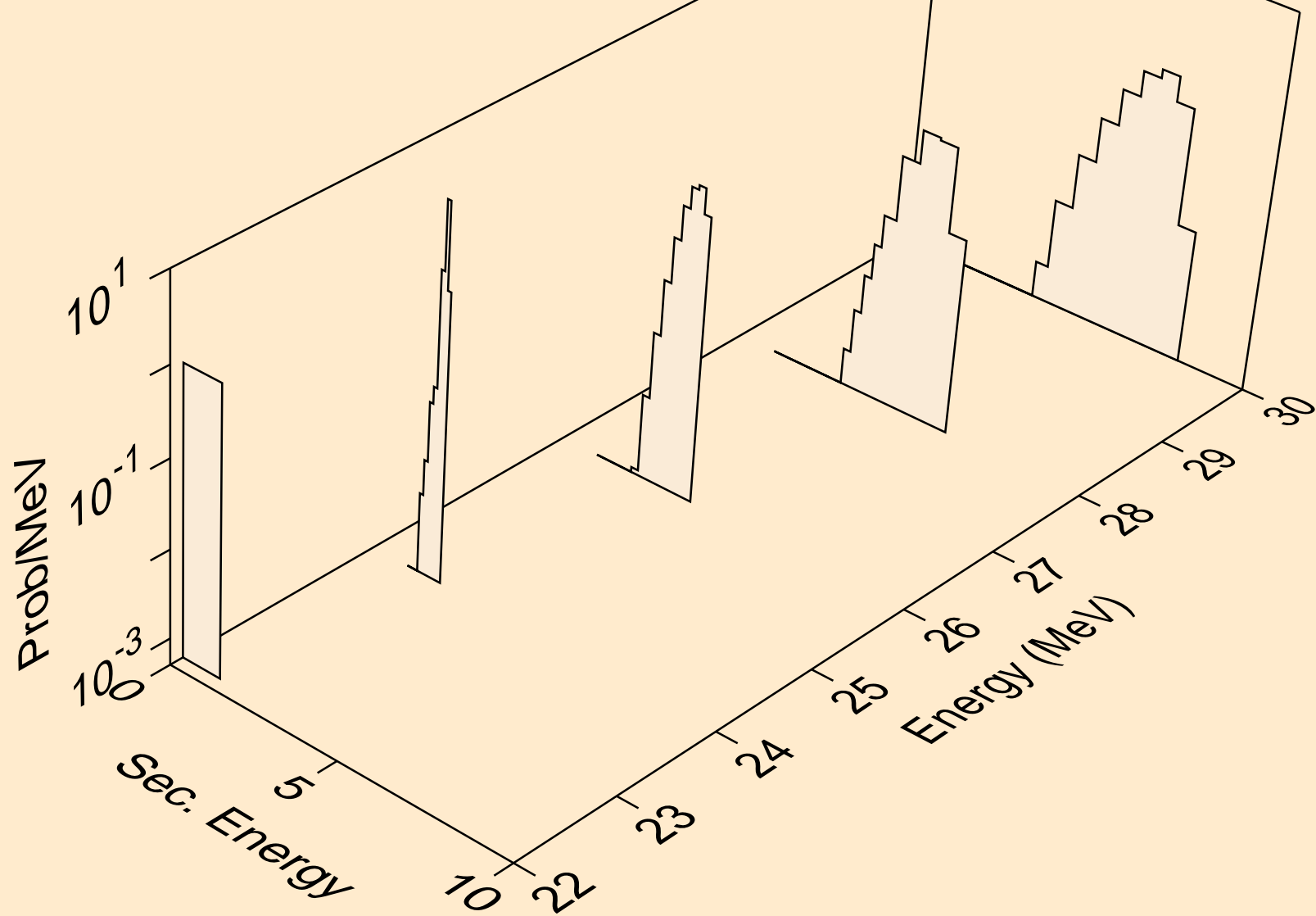


HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,x)

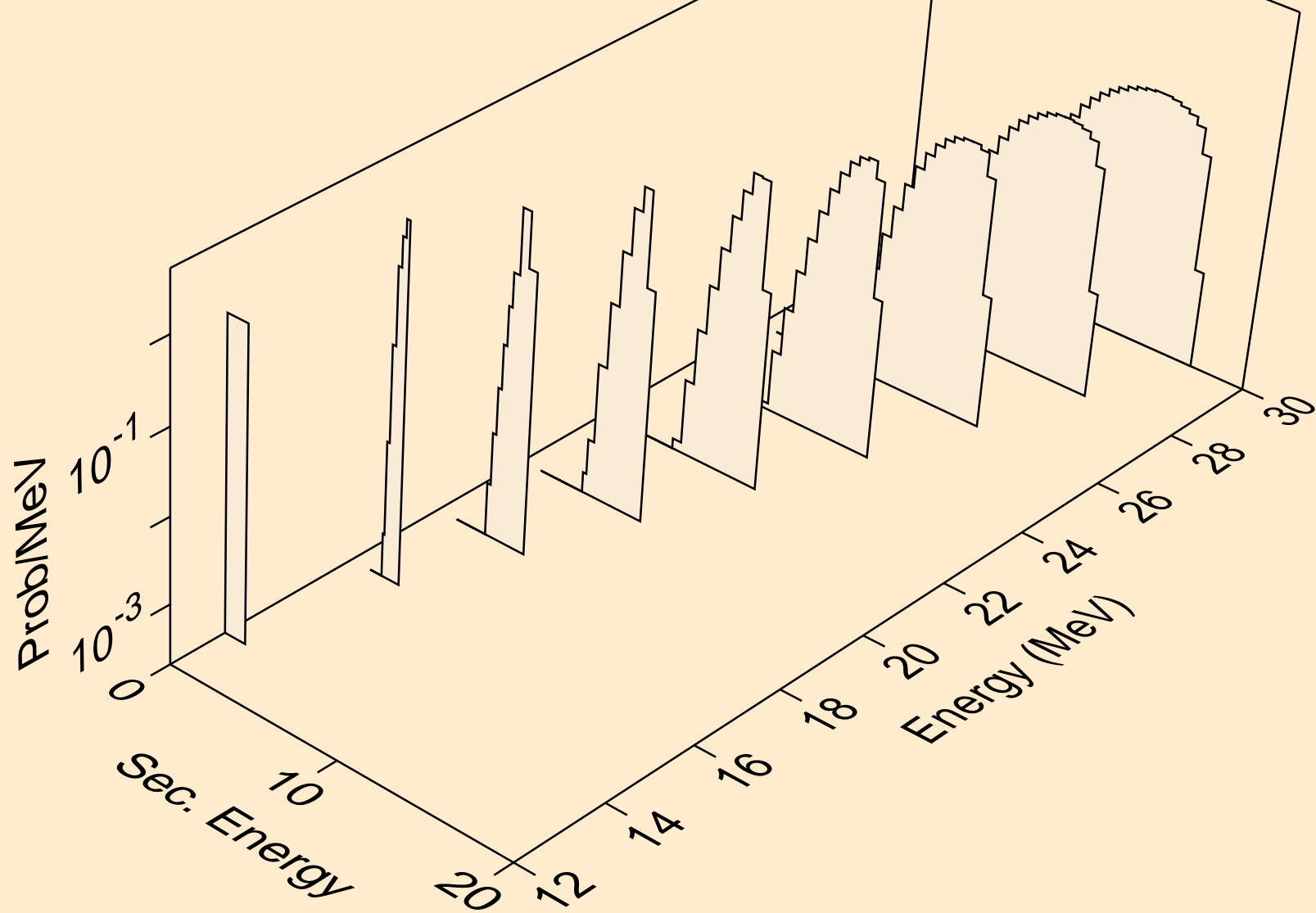




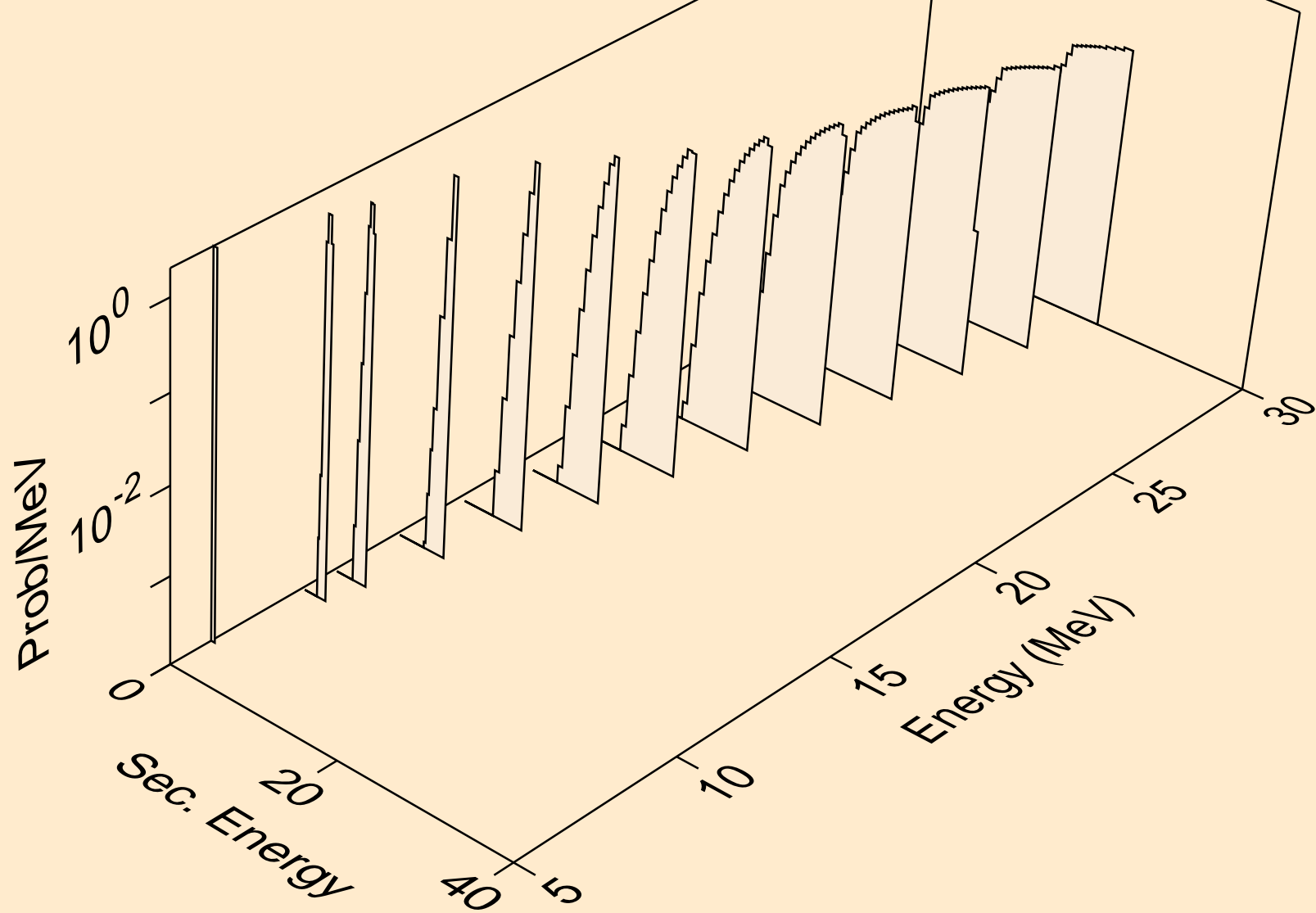
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,2nd)



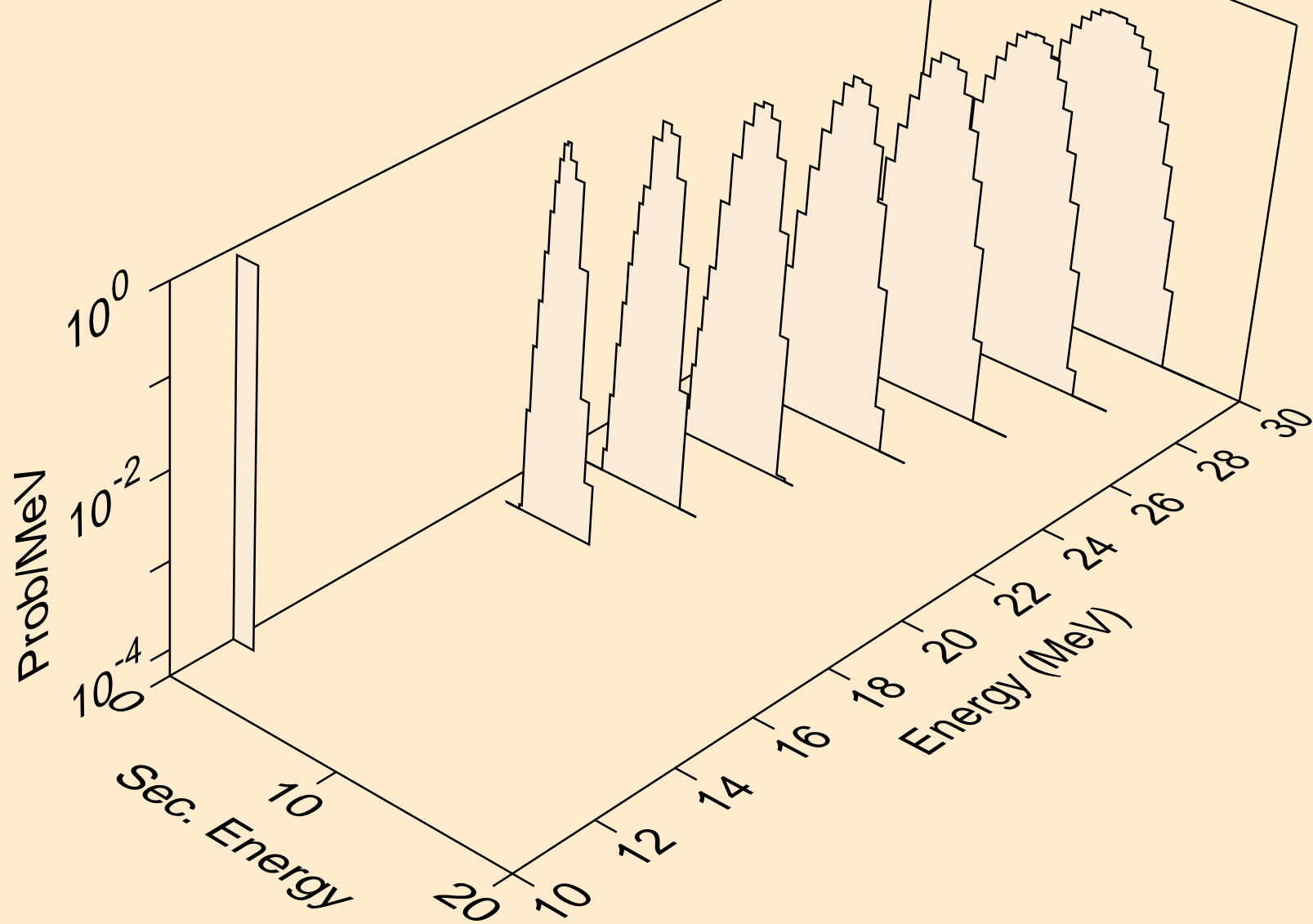
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,n\*)d



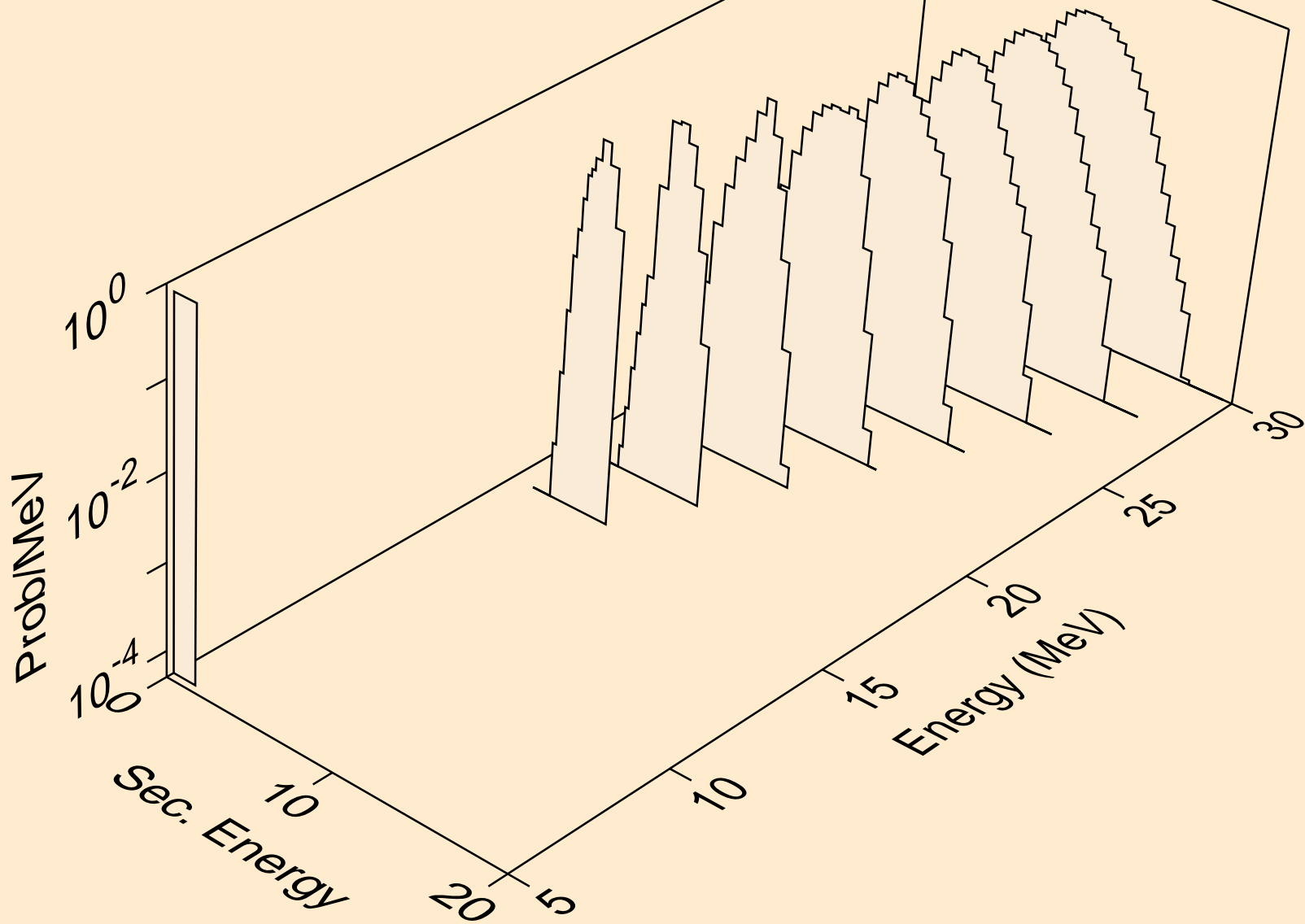
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,d)



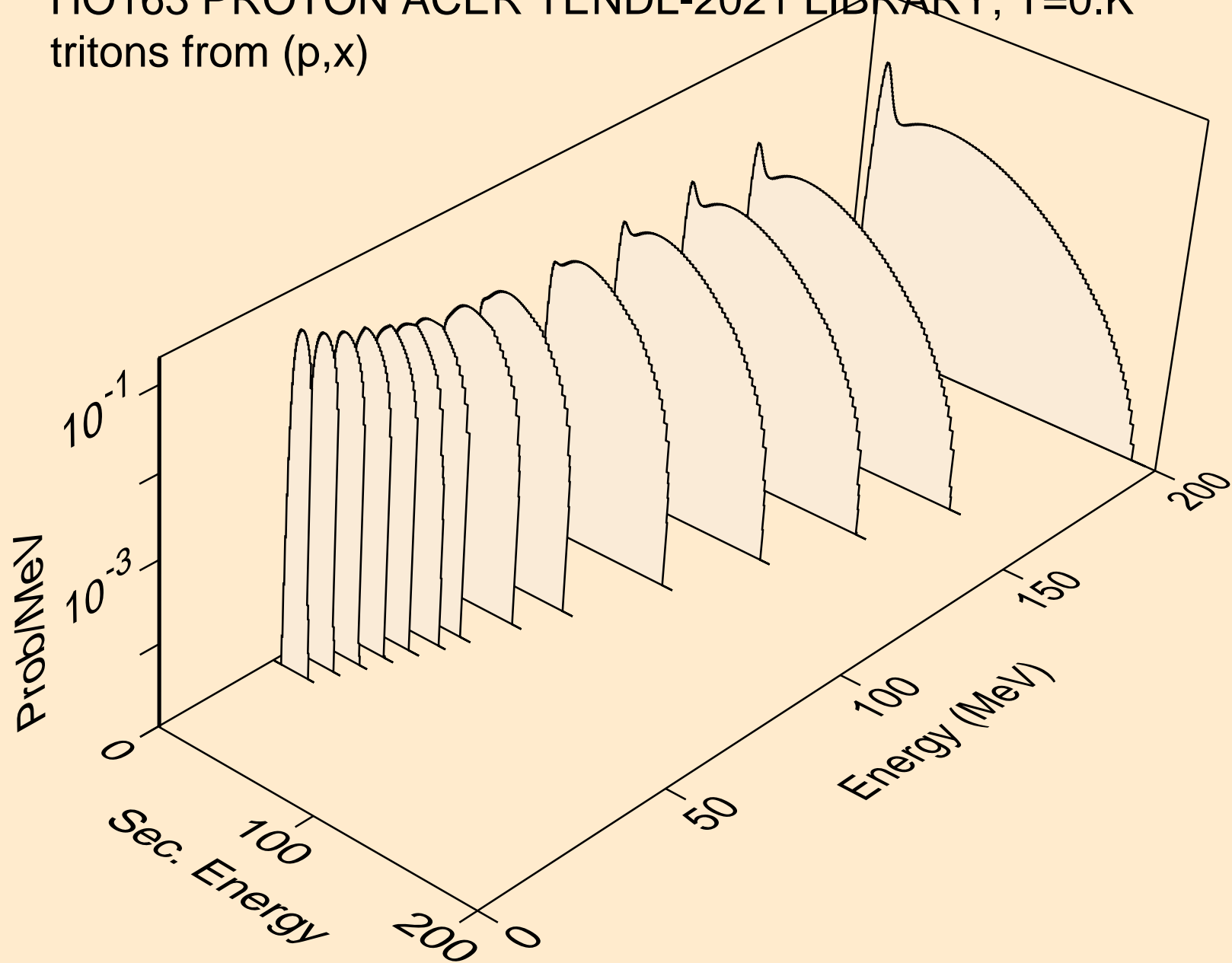
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,pd)



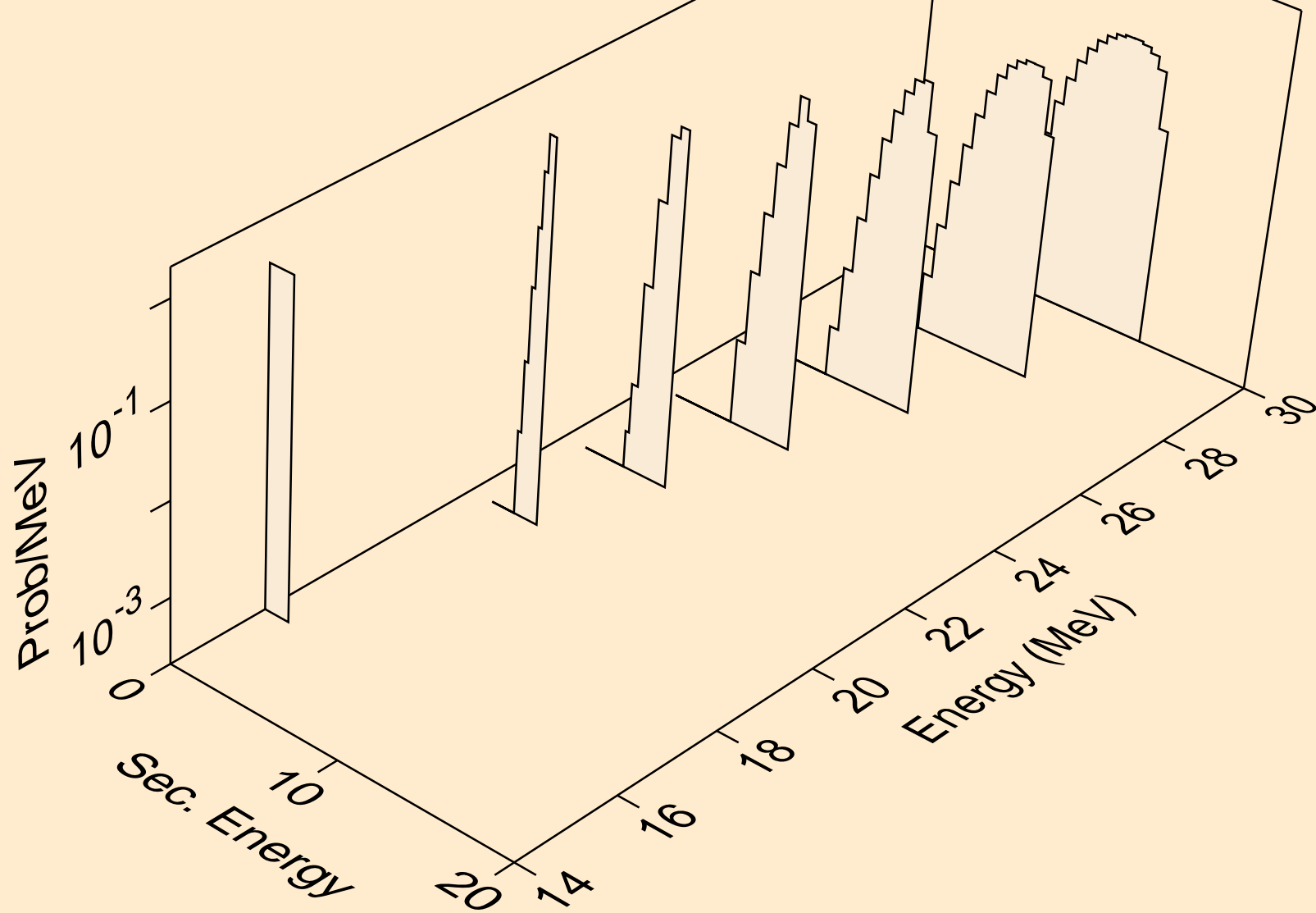
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,da)



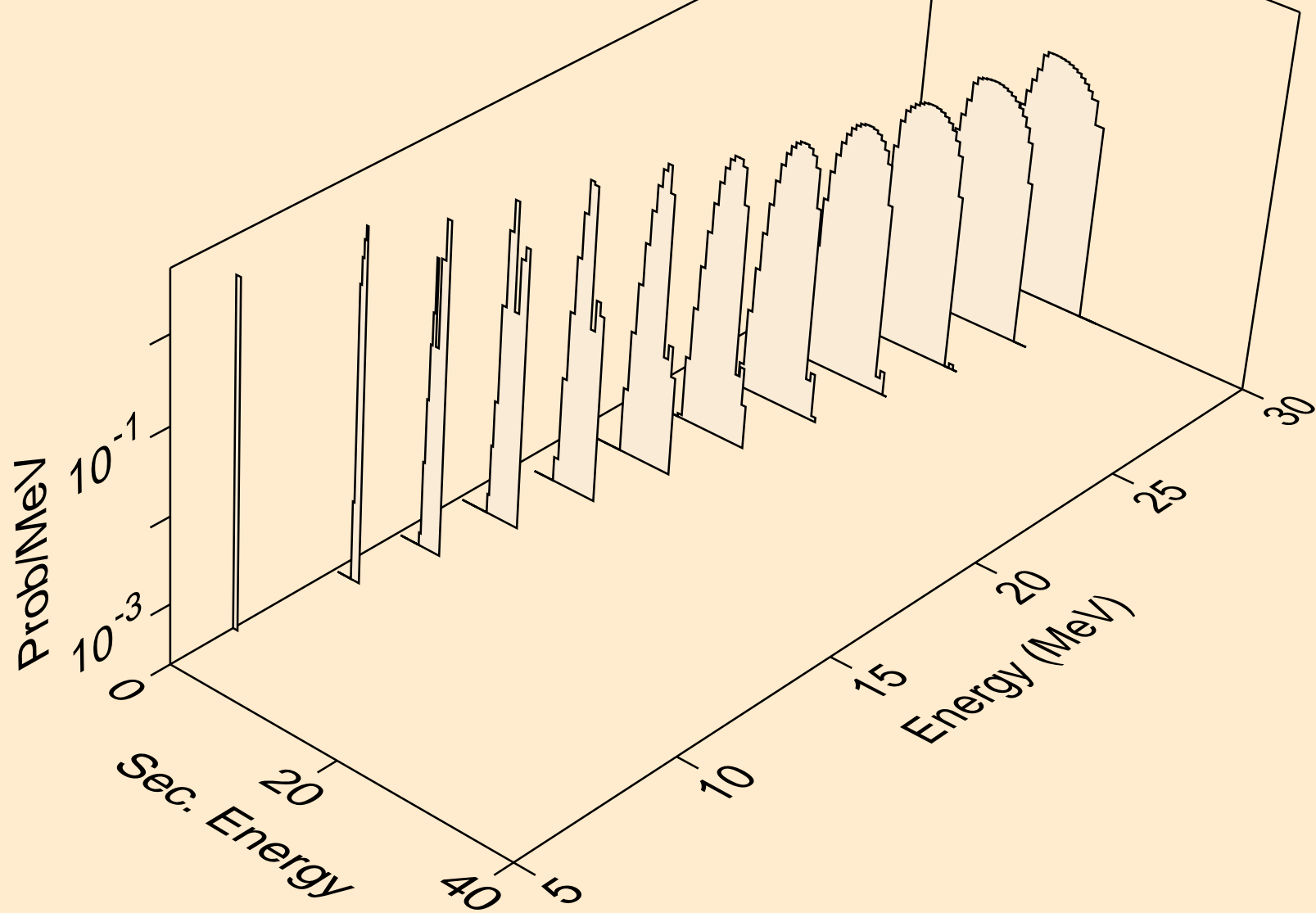
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,x)



HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,n\*)t

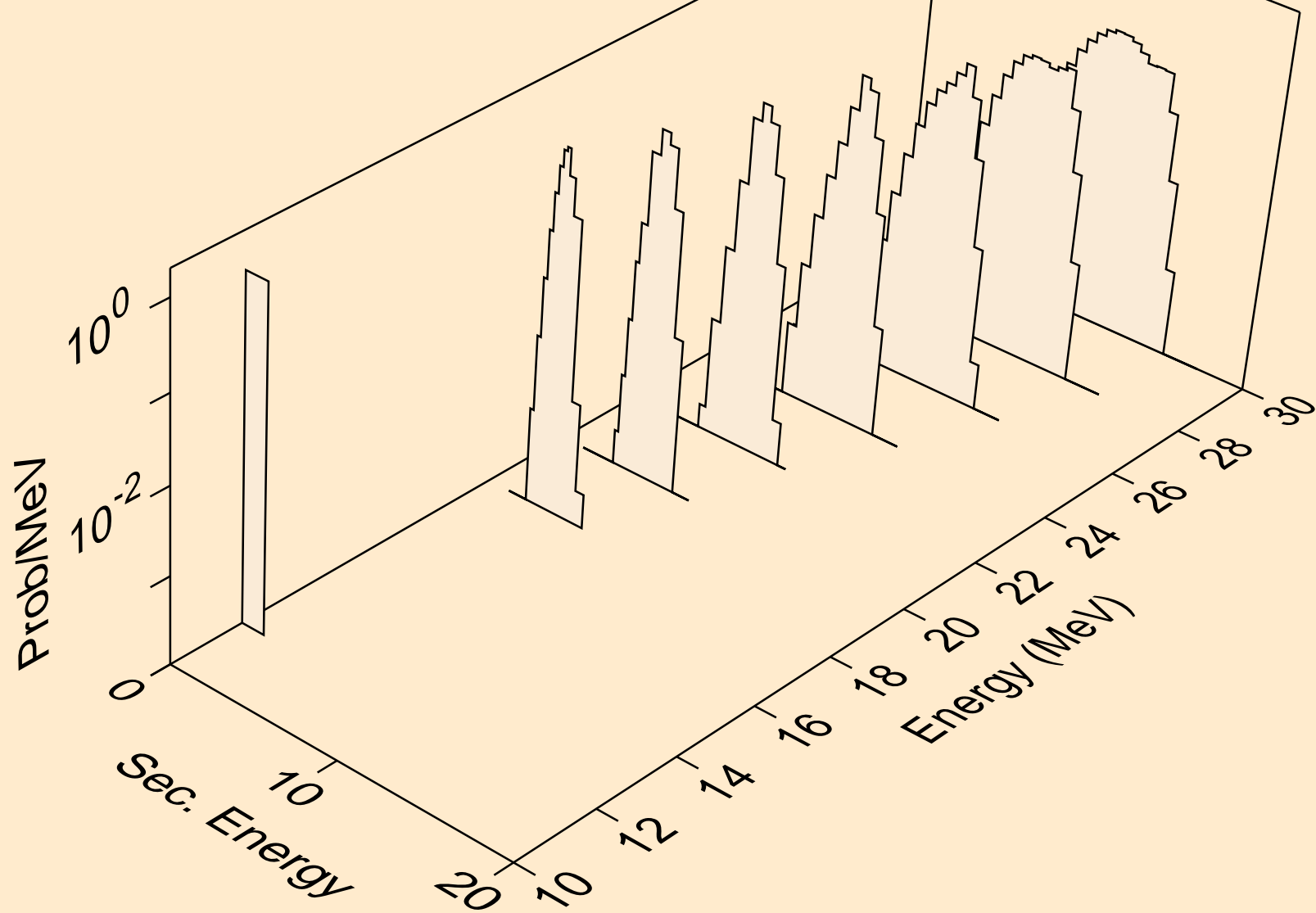


HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,t)

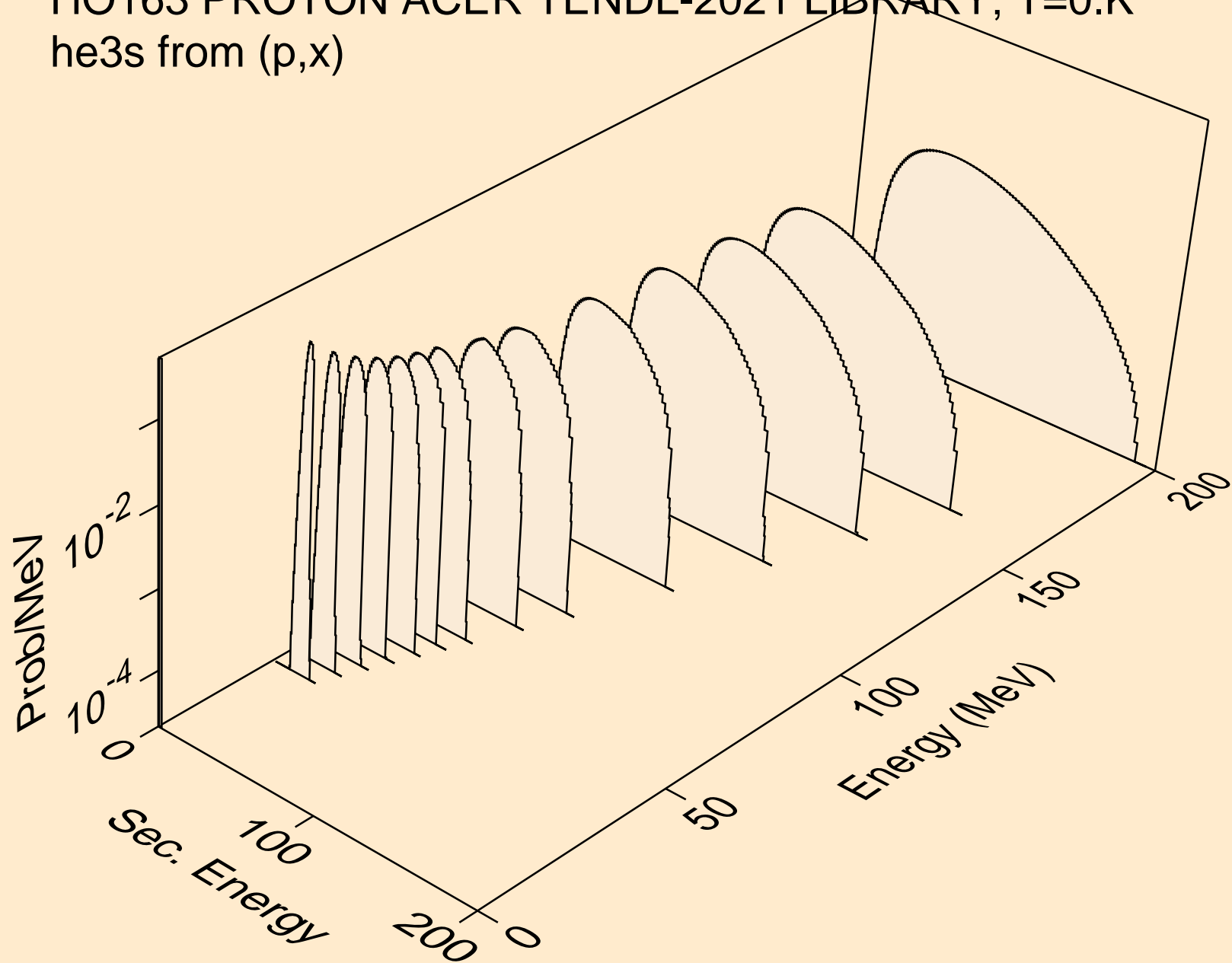




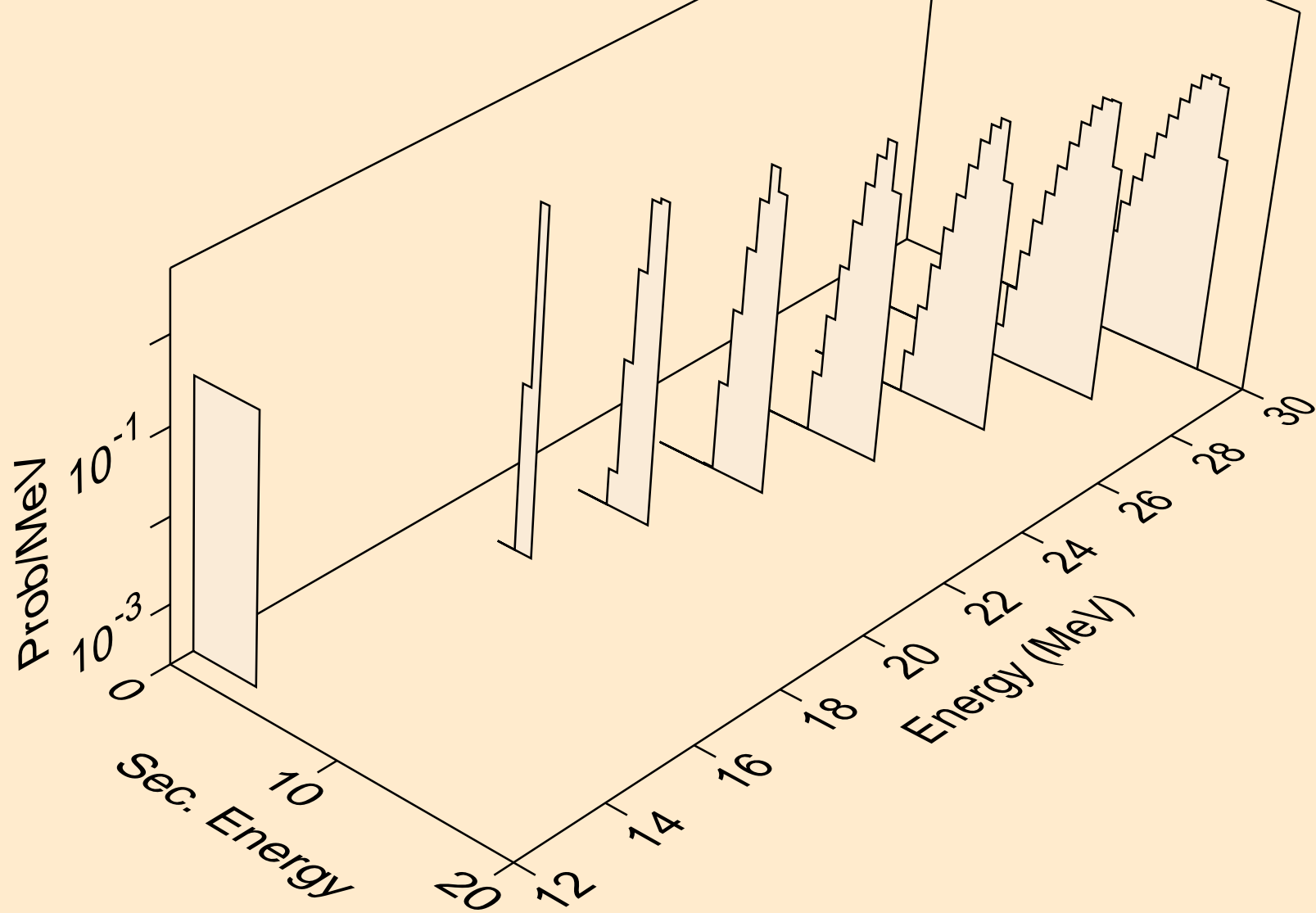
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,pt)



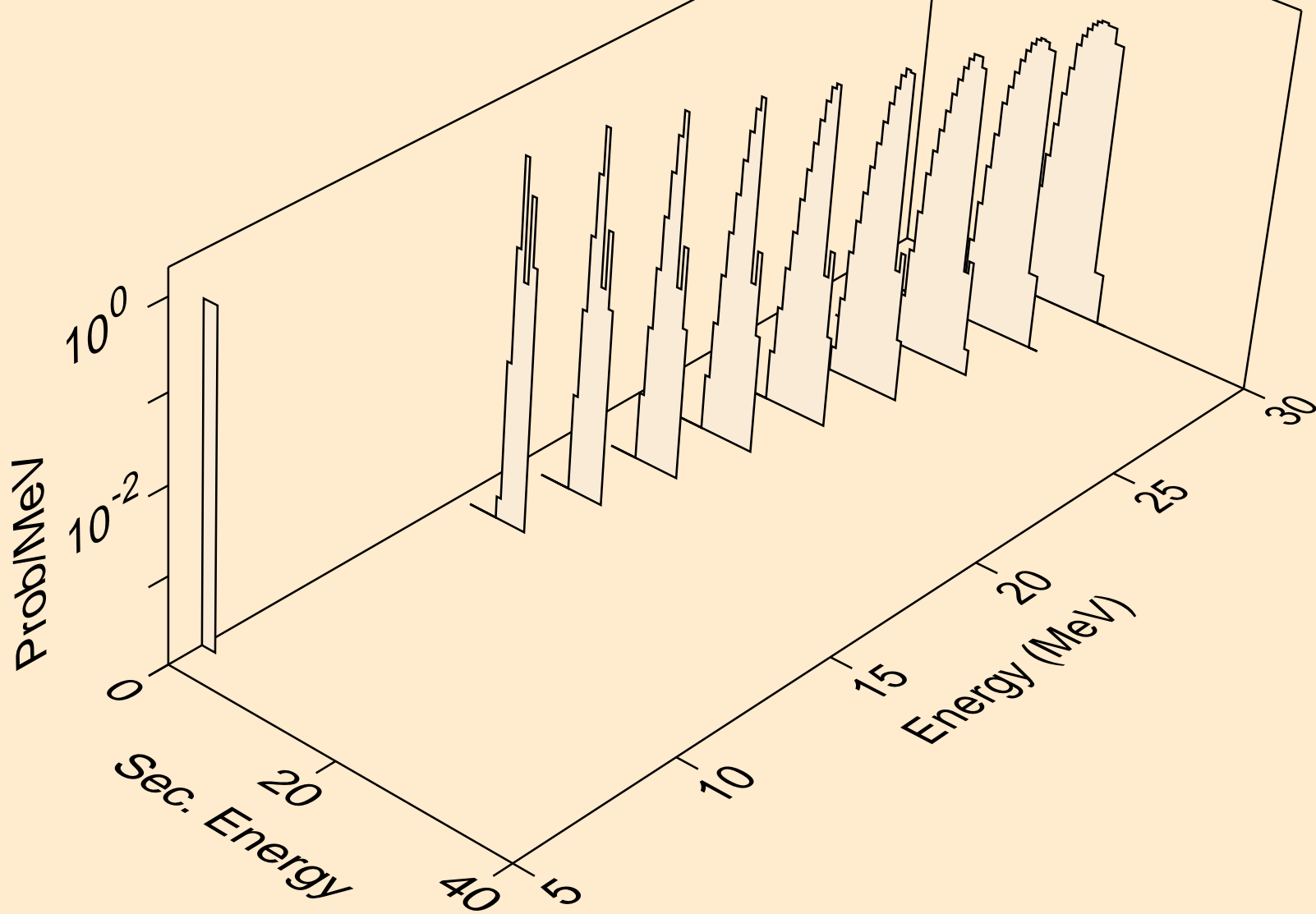
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,x)



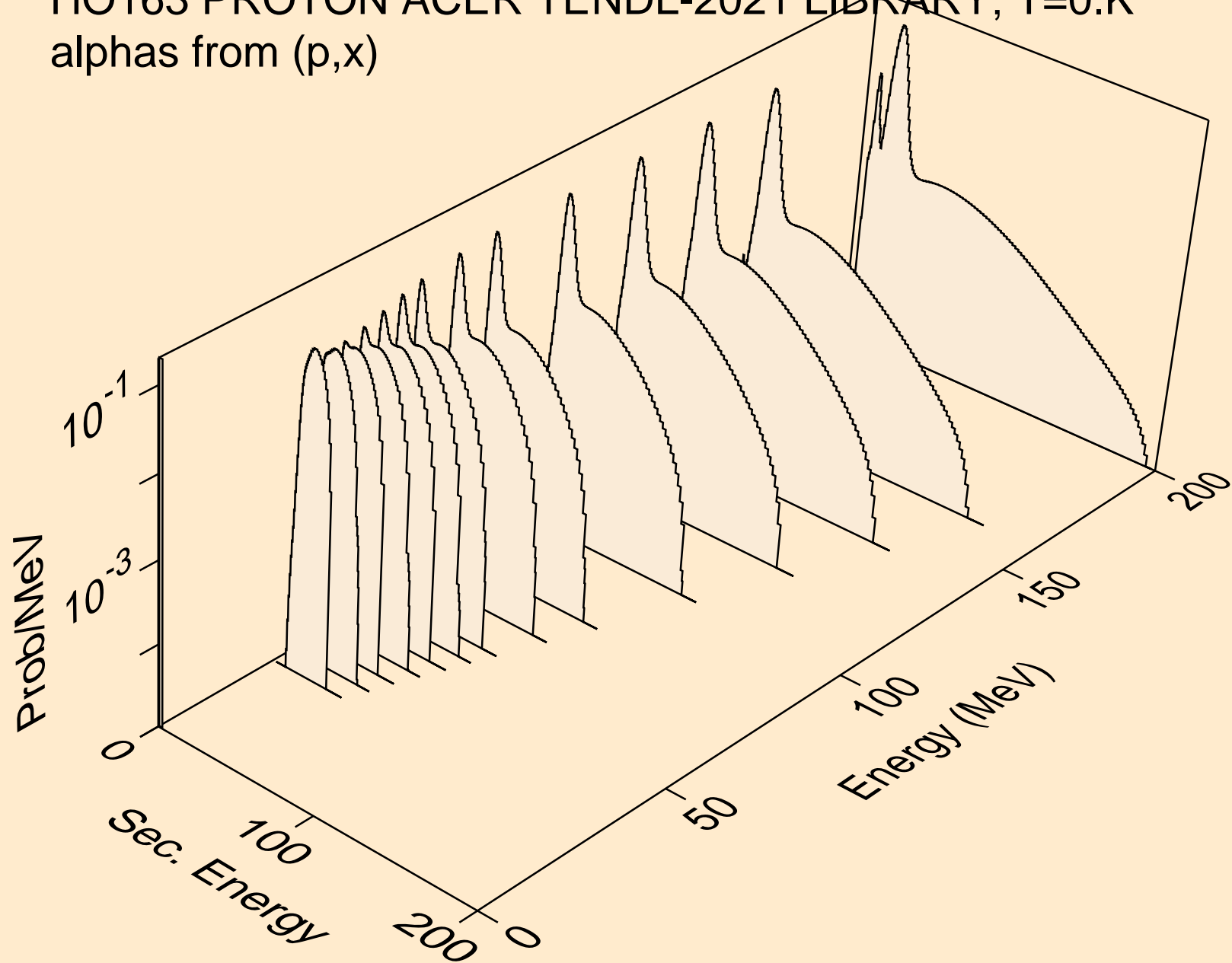
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,n\*)he3



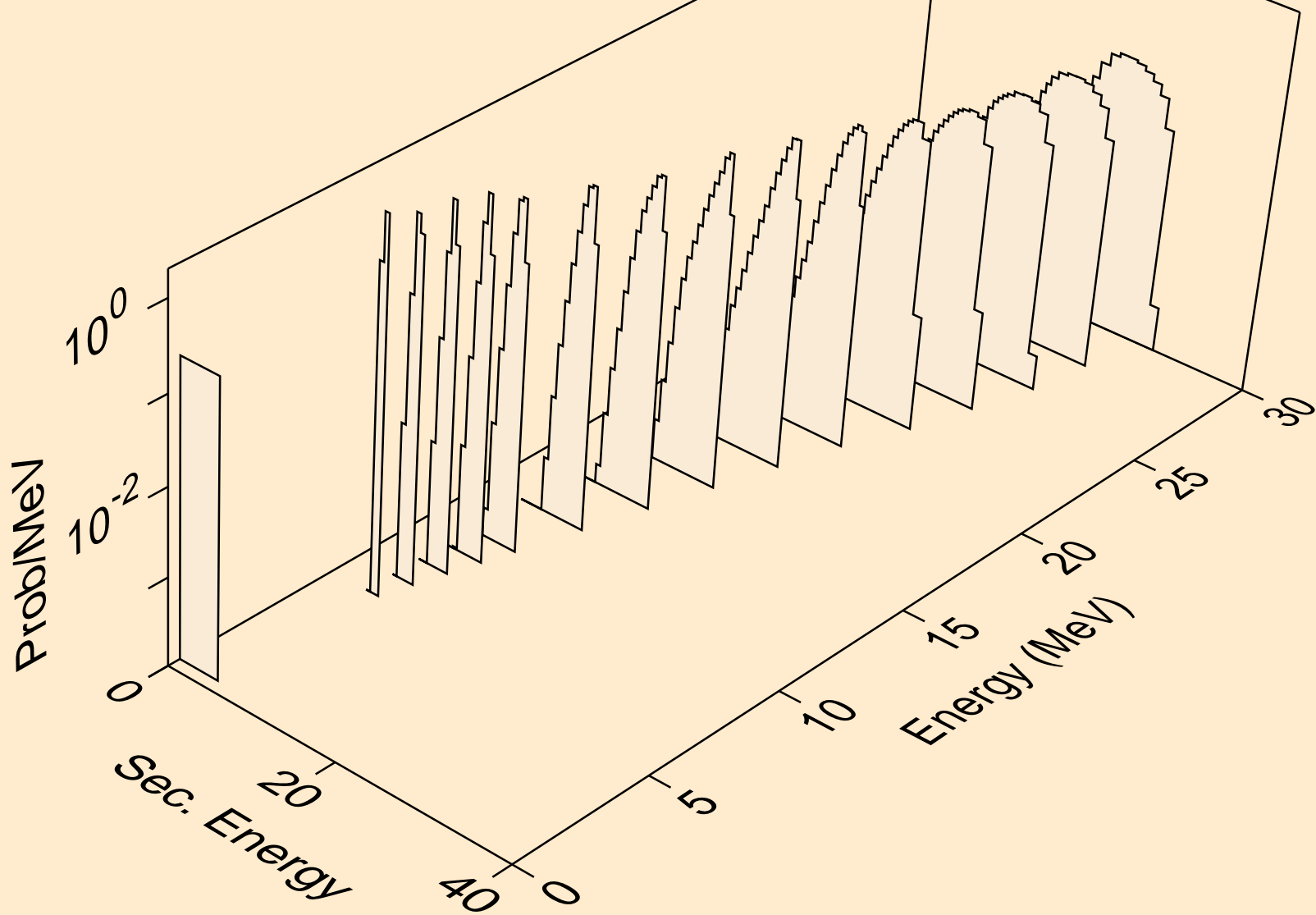
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,he3)



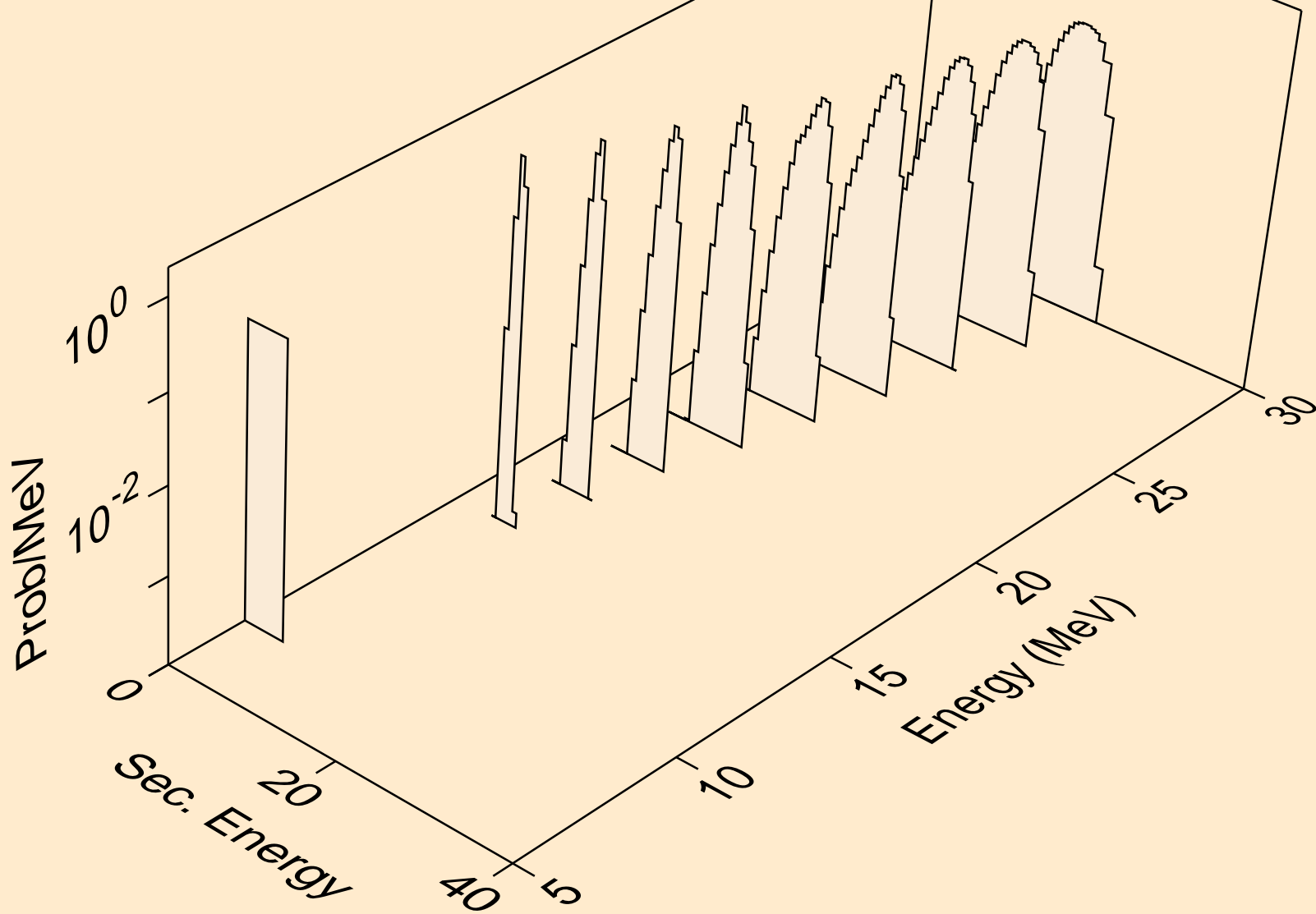
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,x)



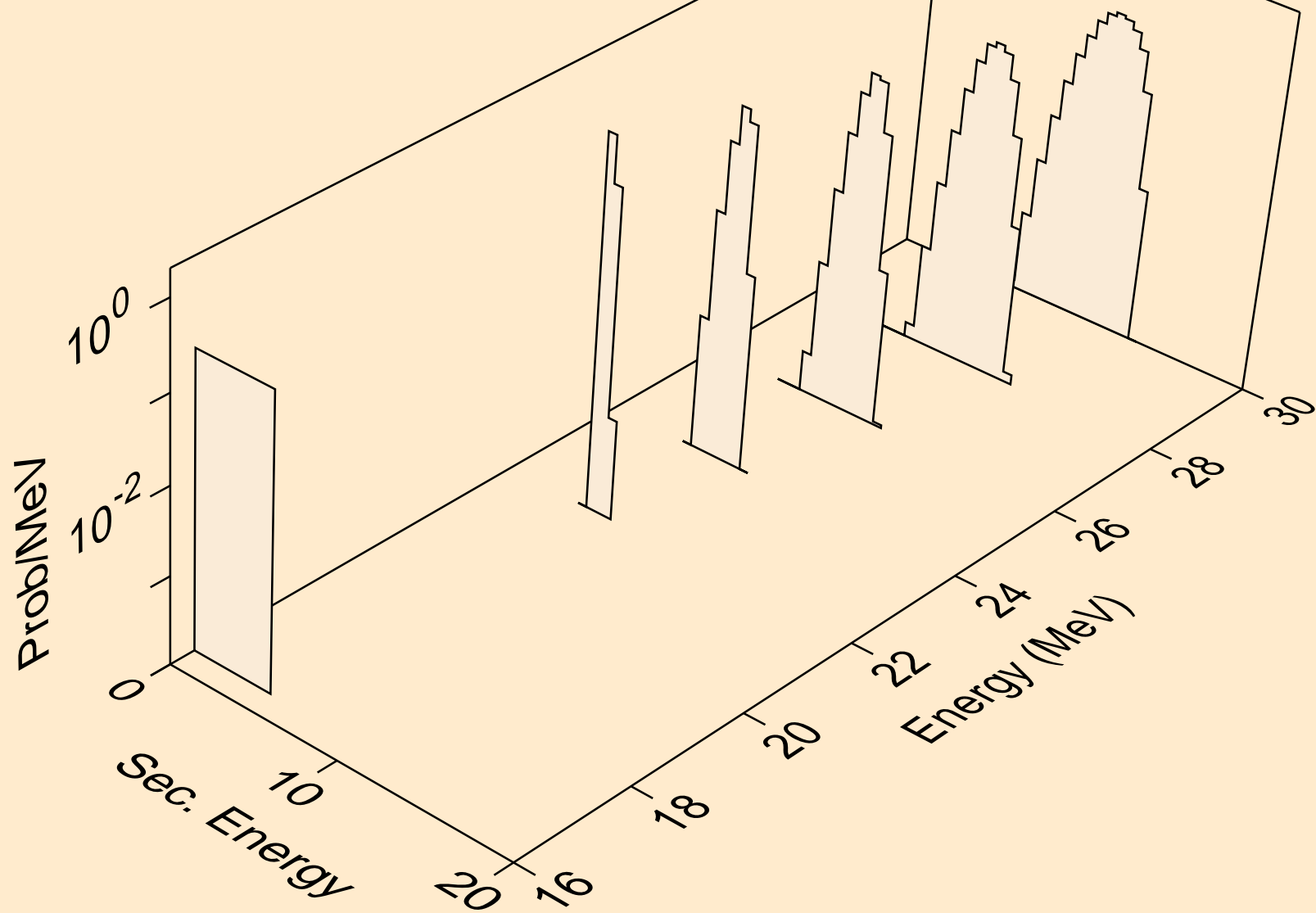
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)a



HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2n)a

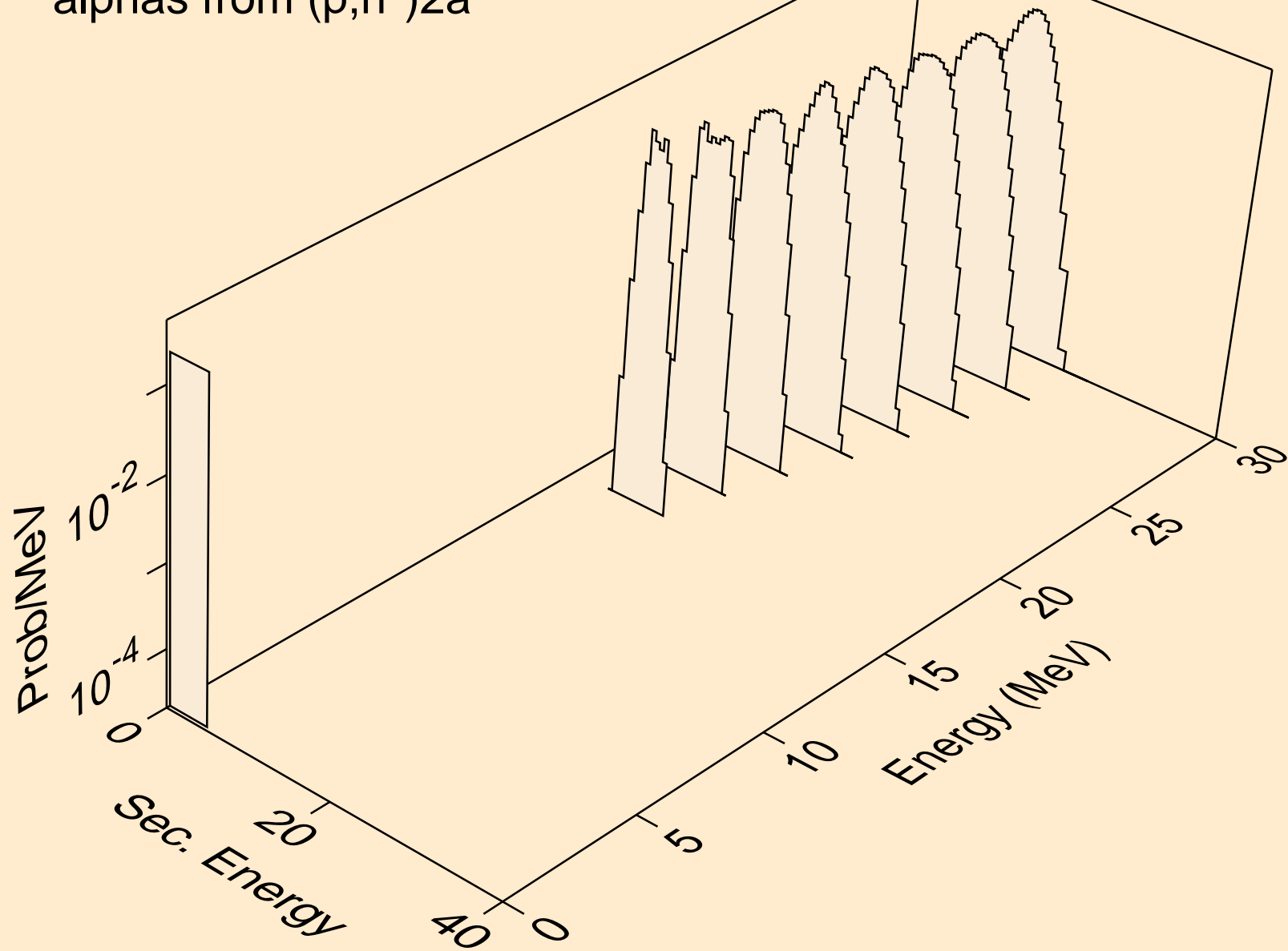


HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,3n)a

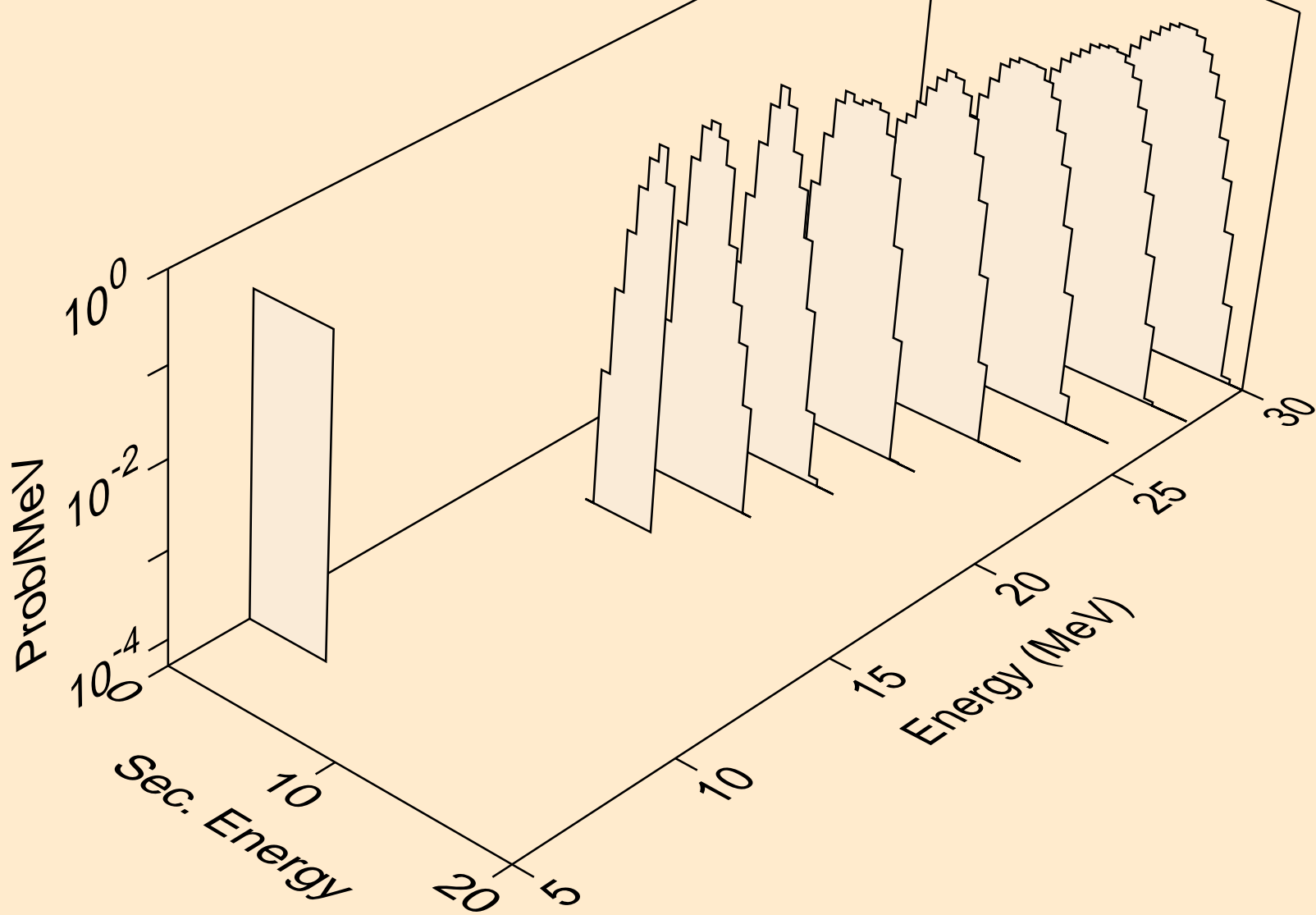




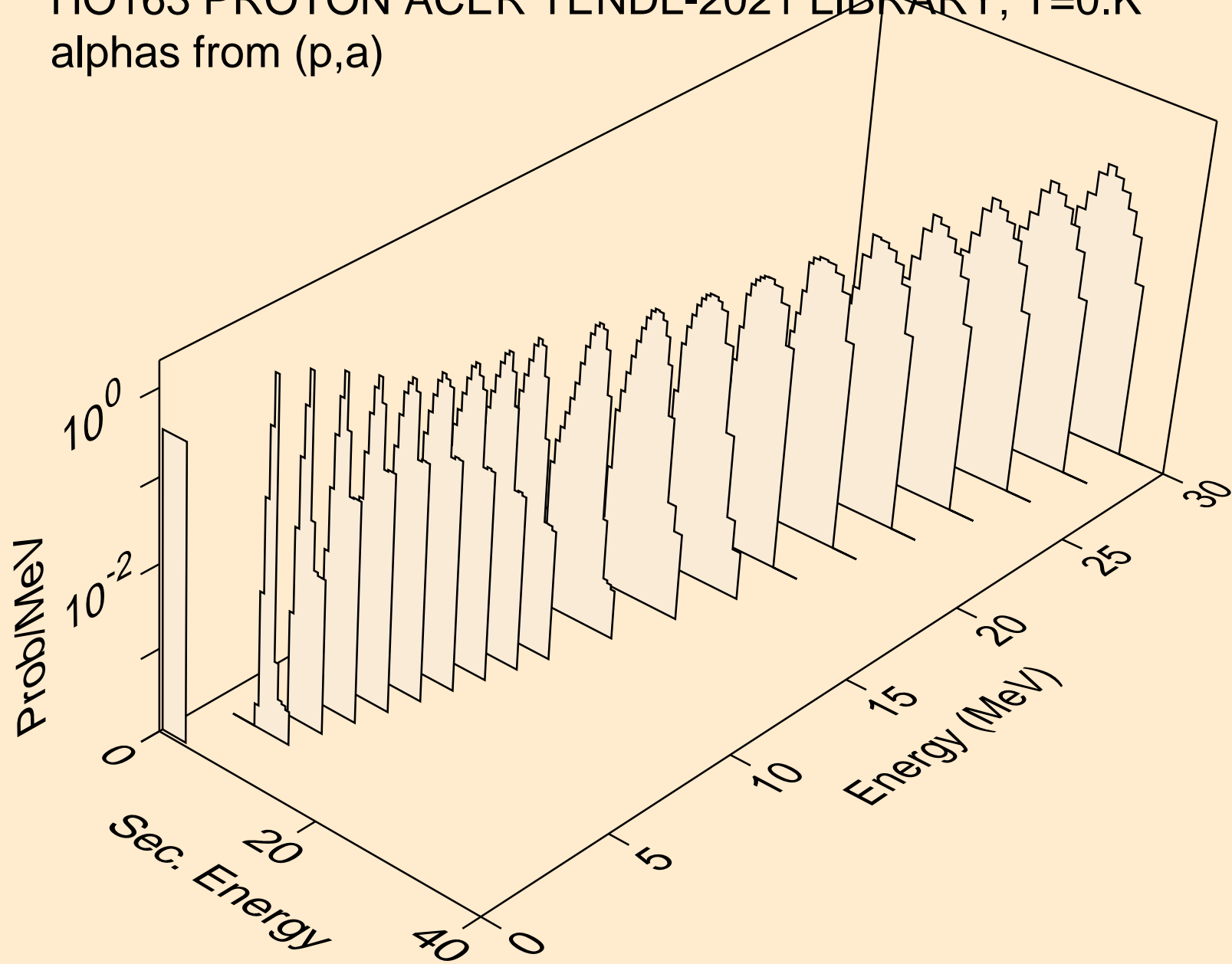
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)2a



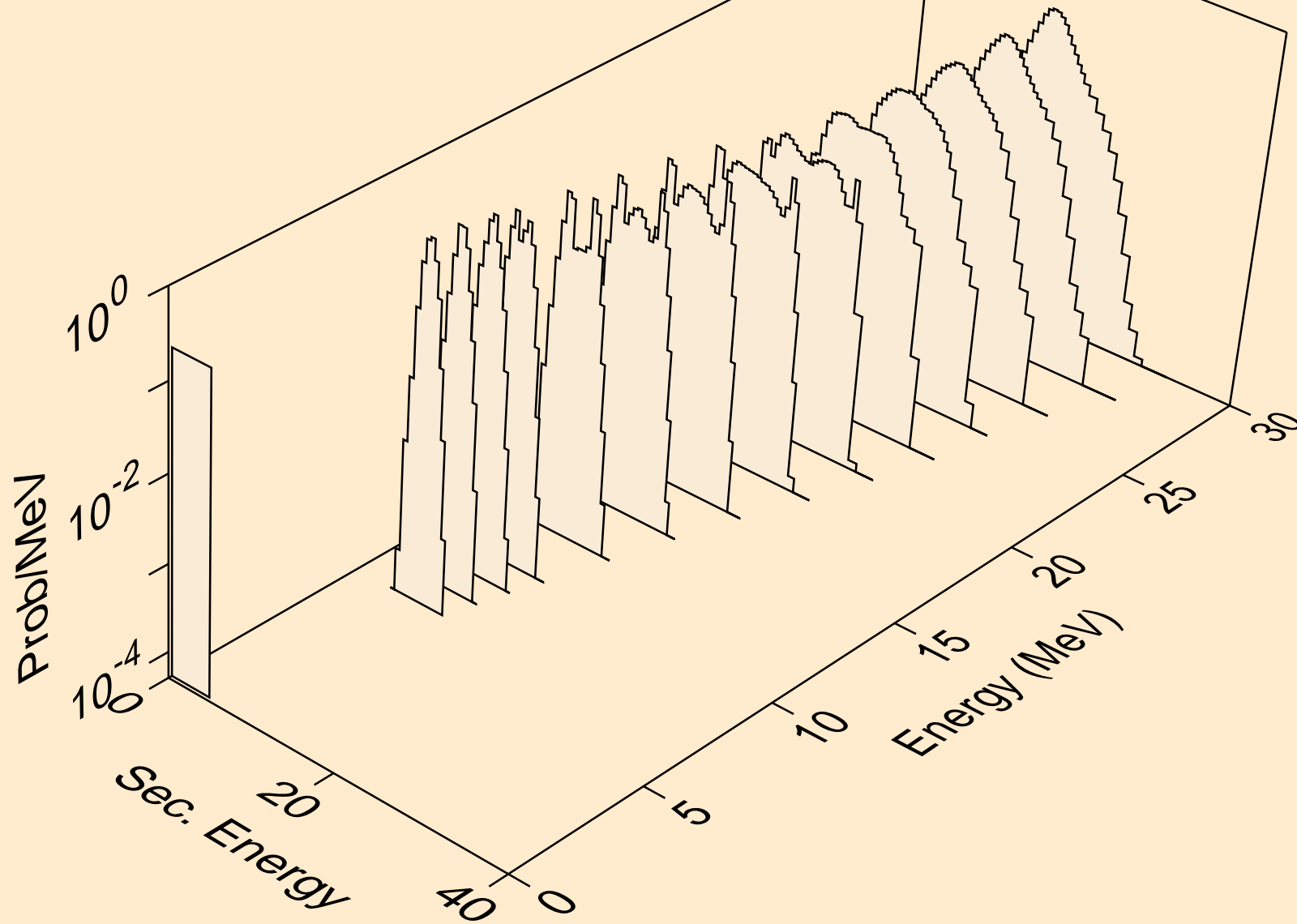
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,npa)



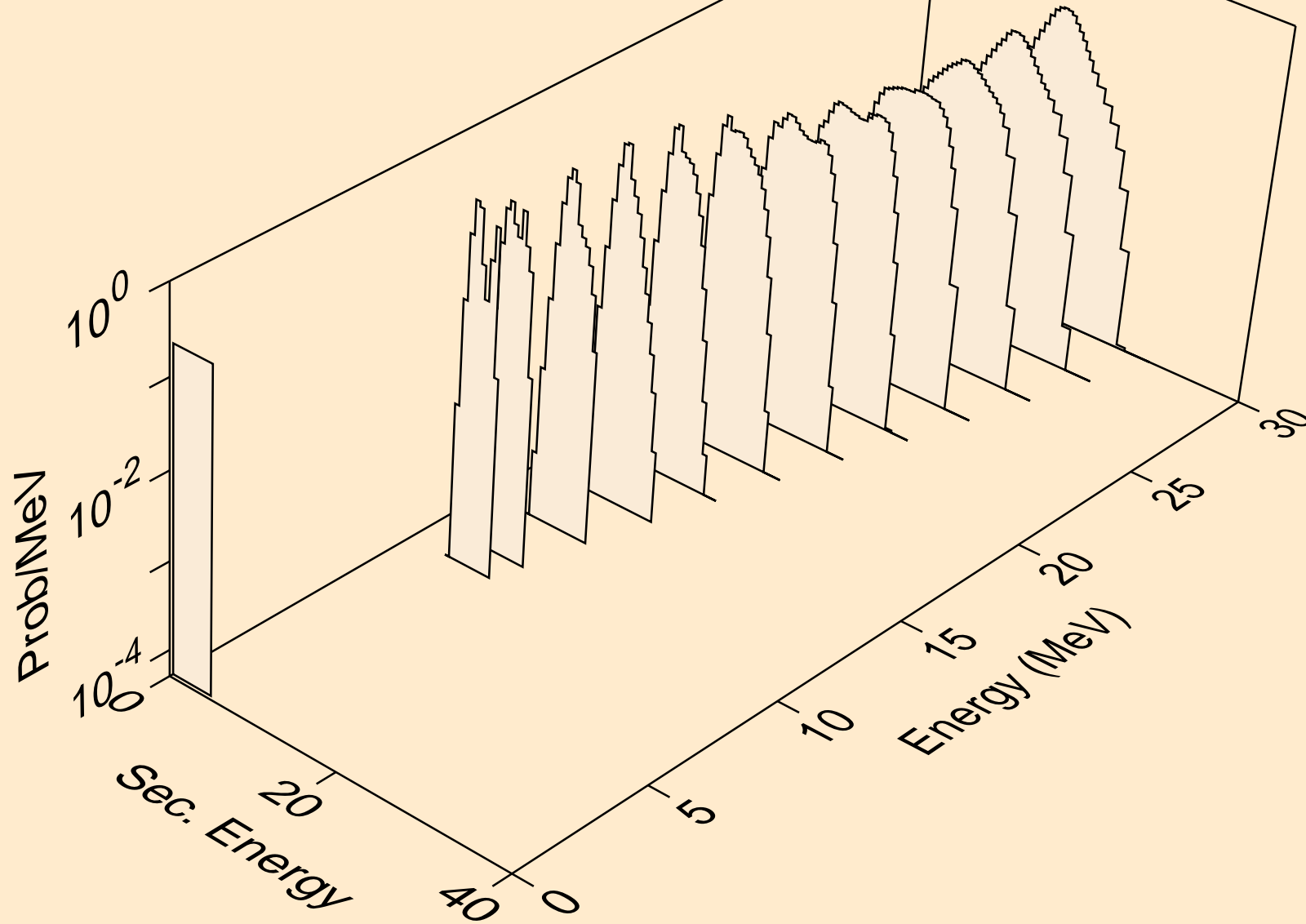
HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,a)



HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2a)



HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,pa)



HO163 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,da)

