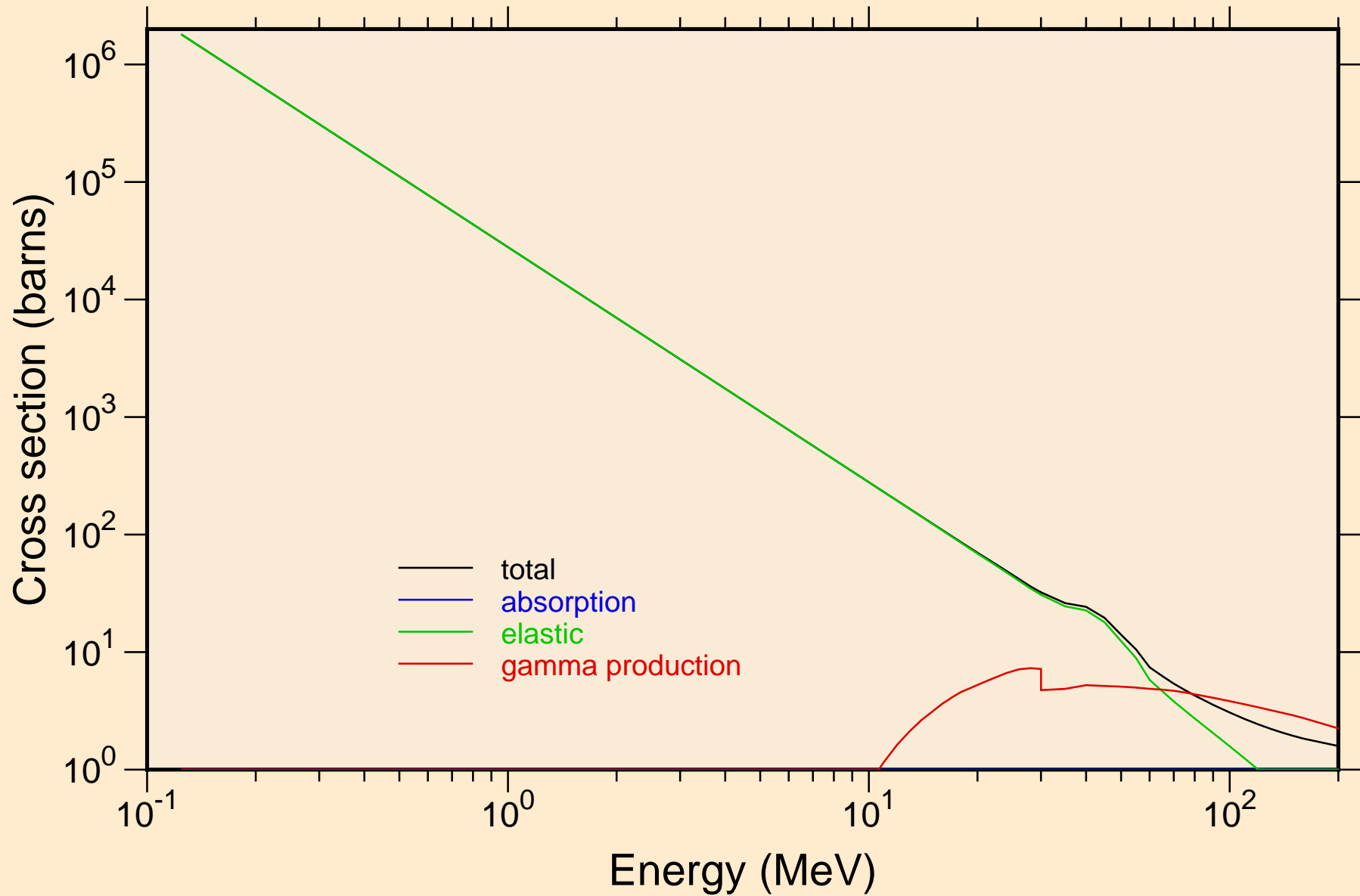
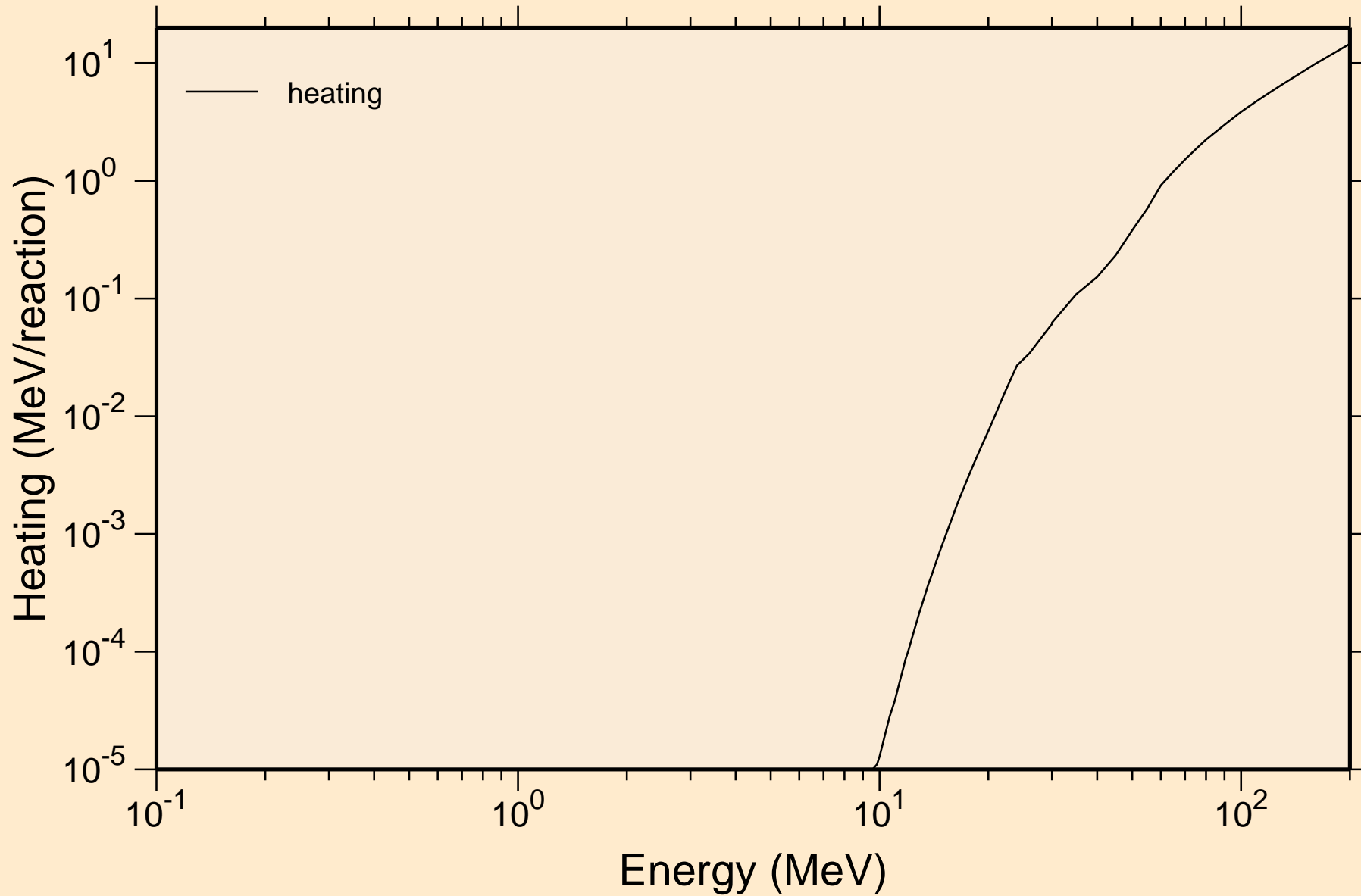


# HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

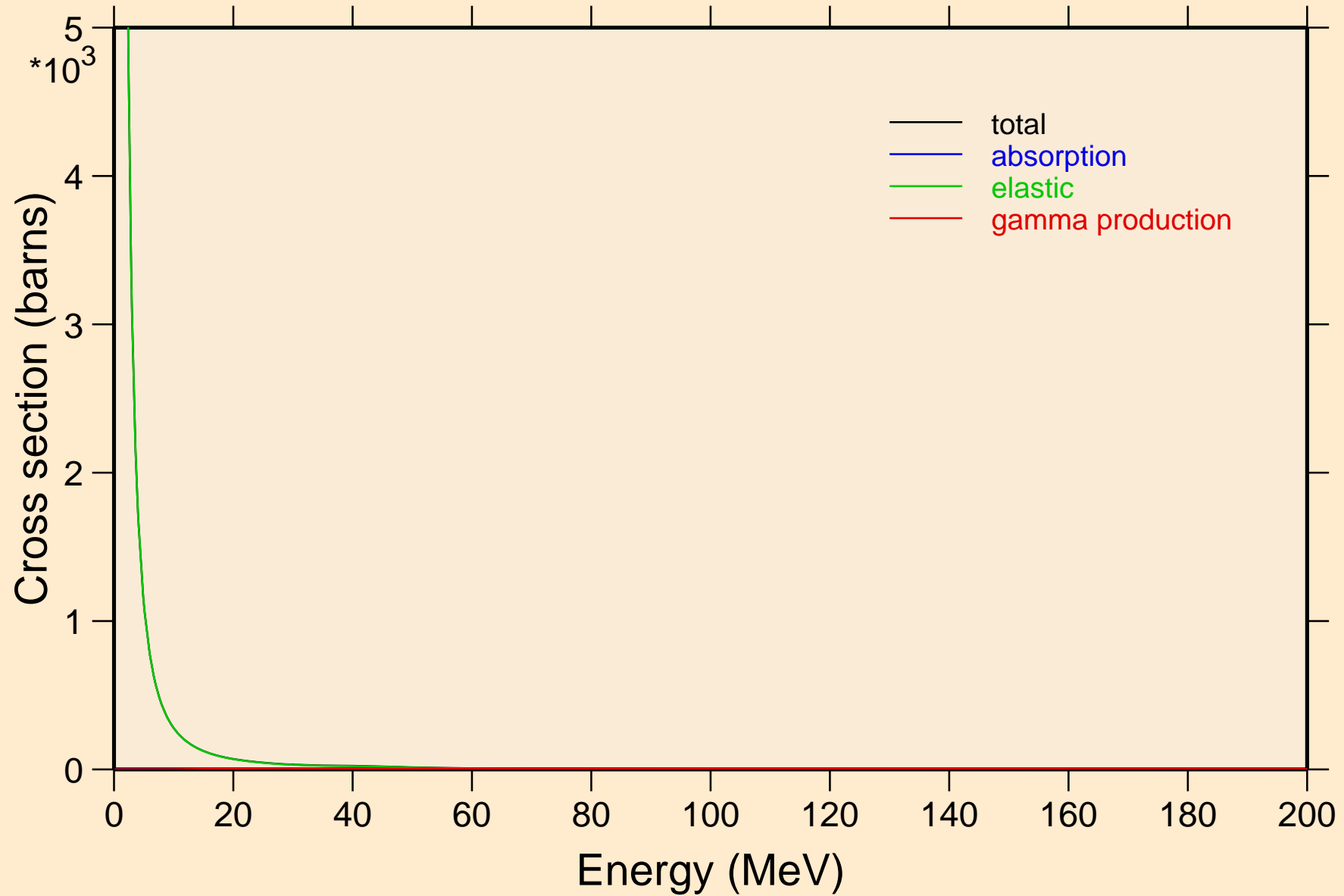


HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



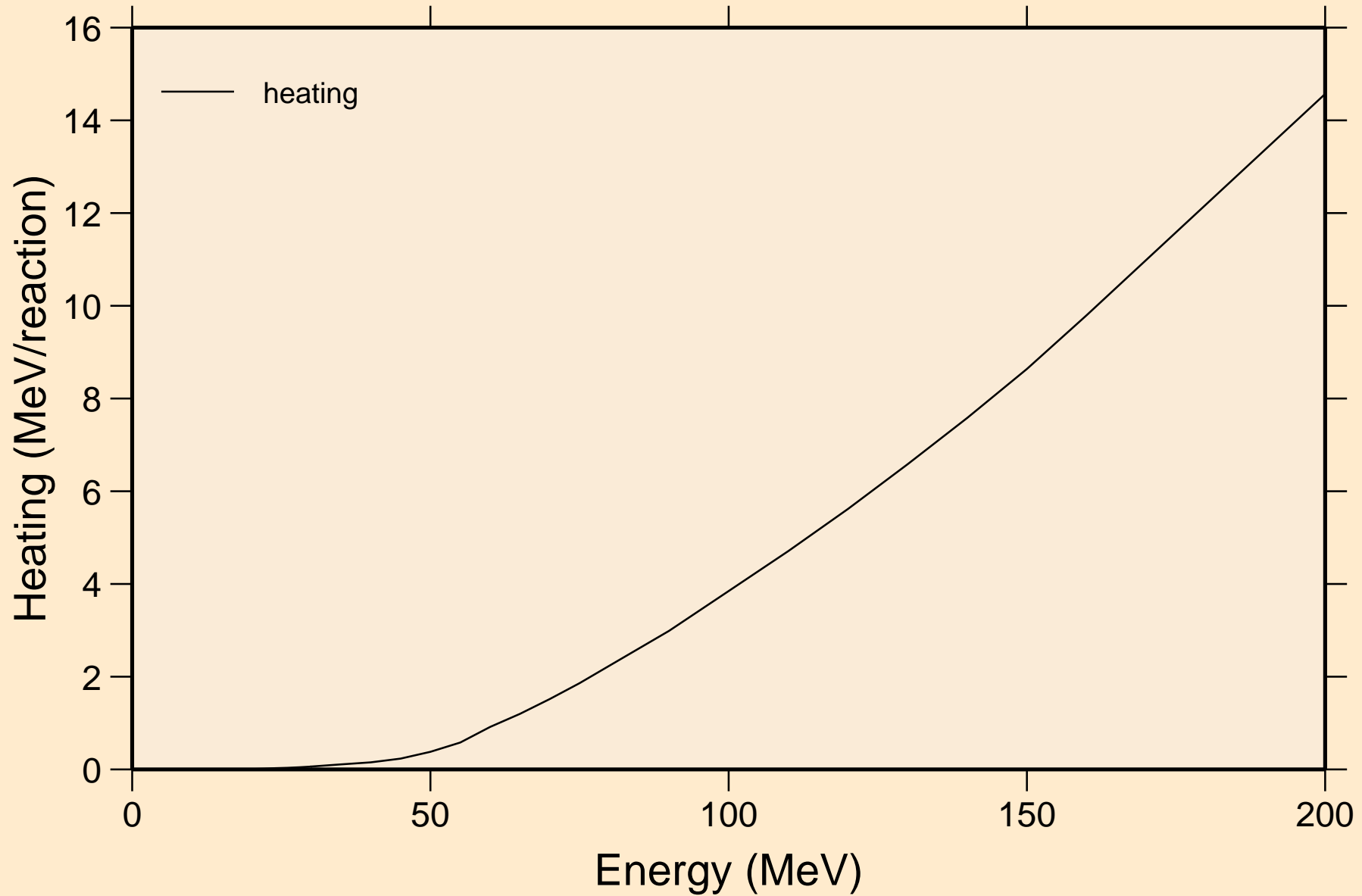
# HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



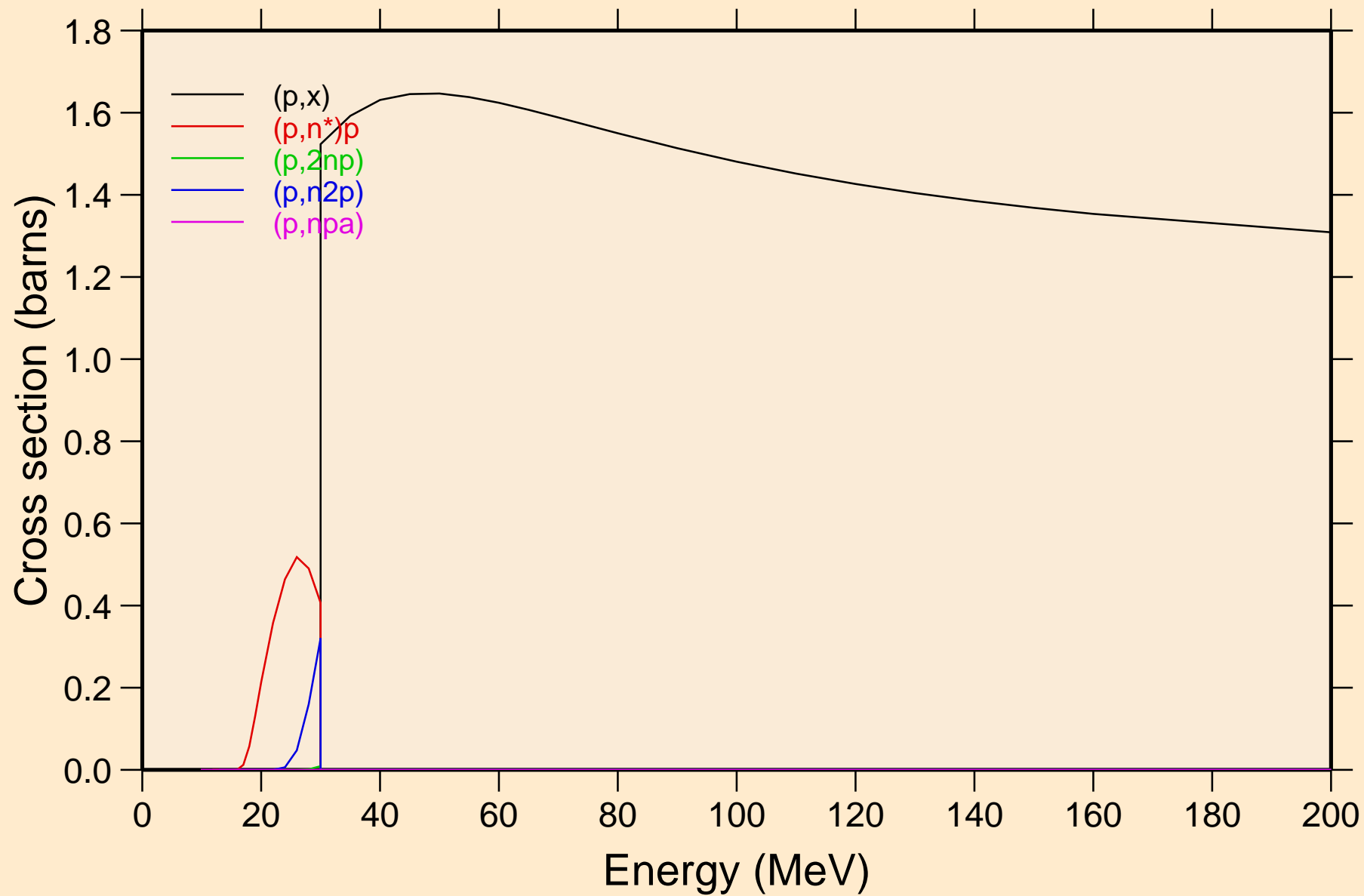
# HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



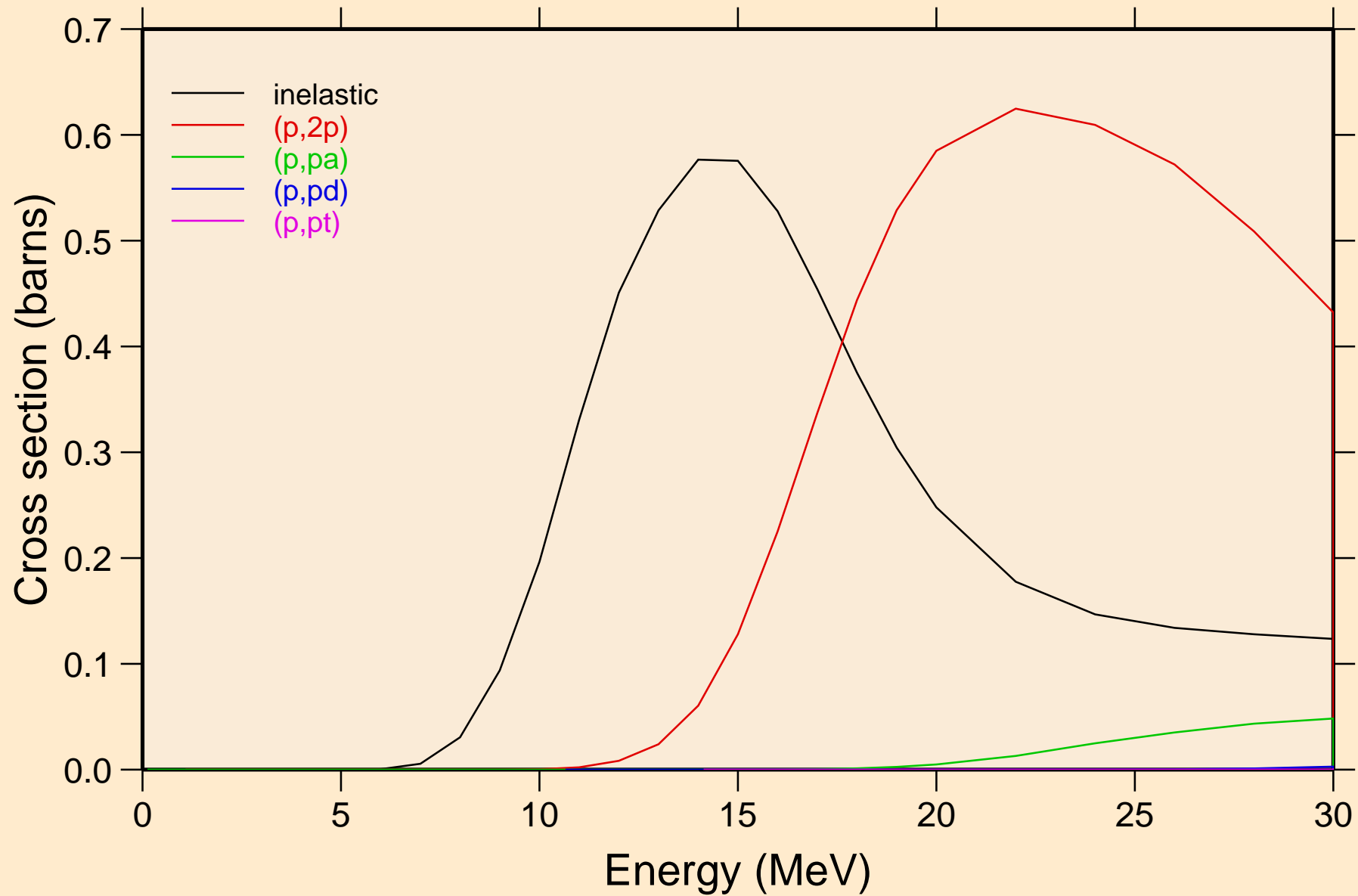
# HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

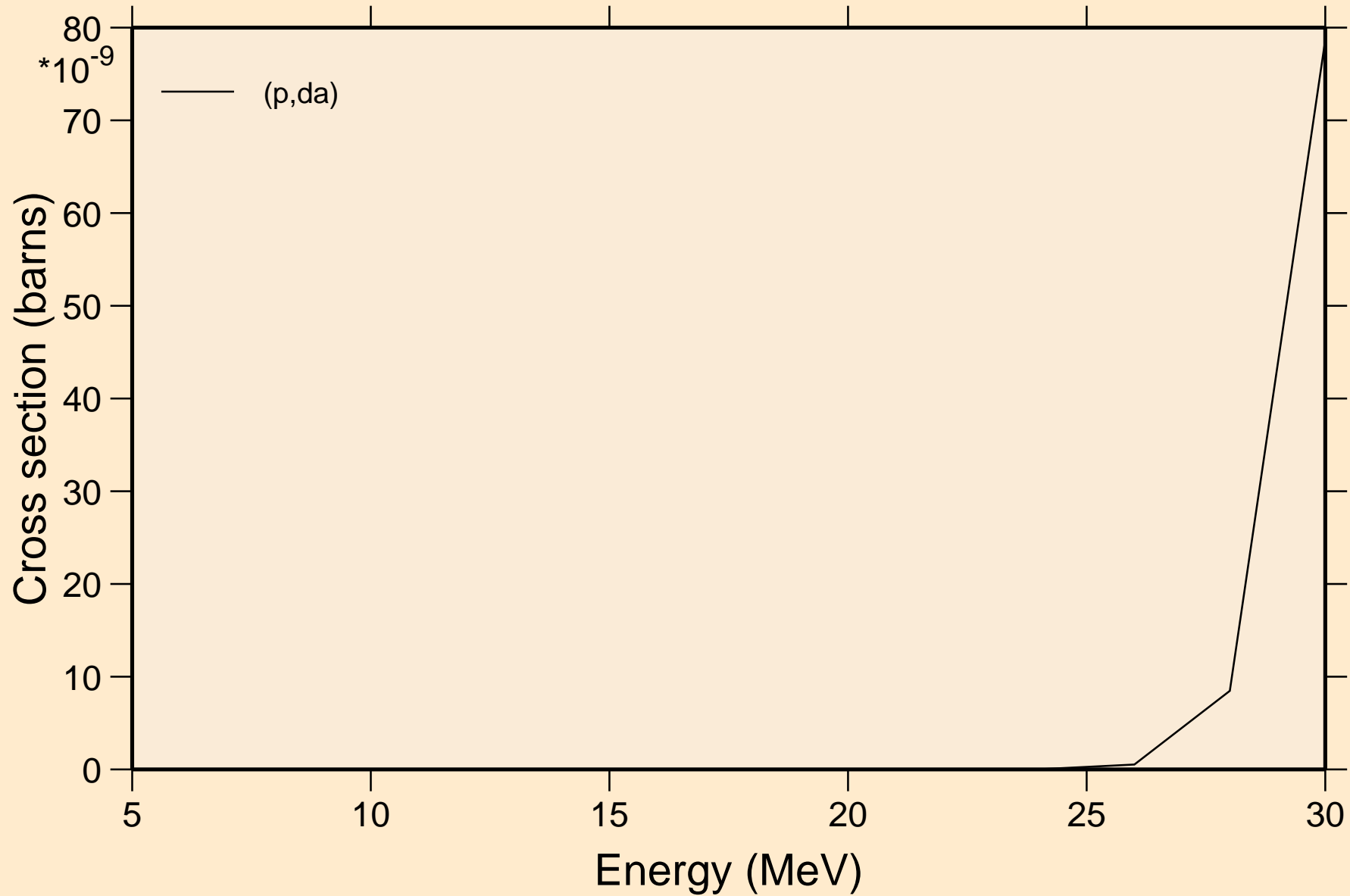


# HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K

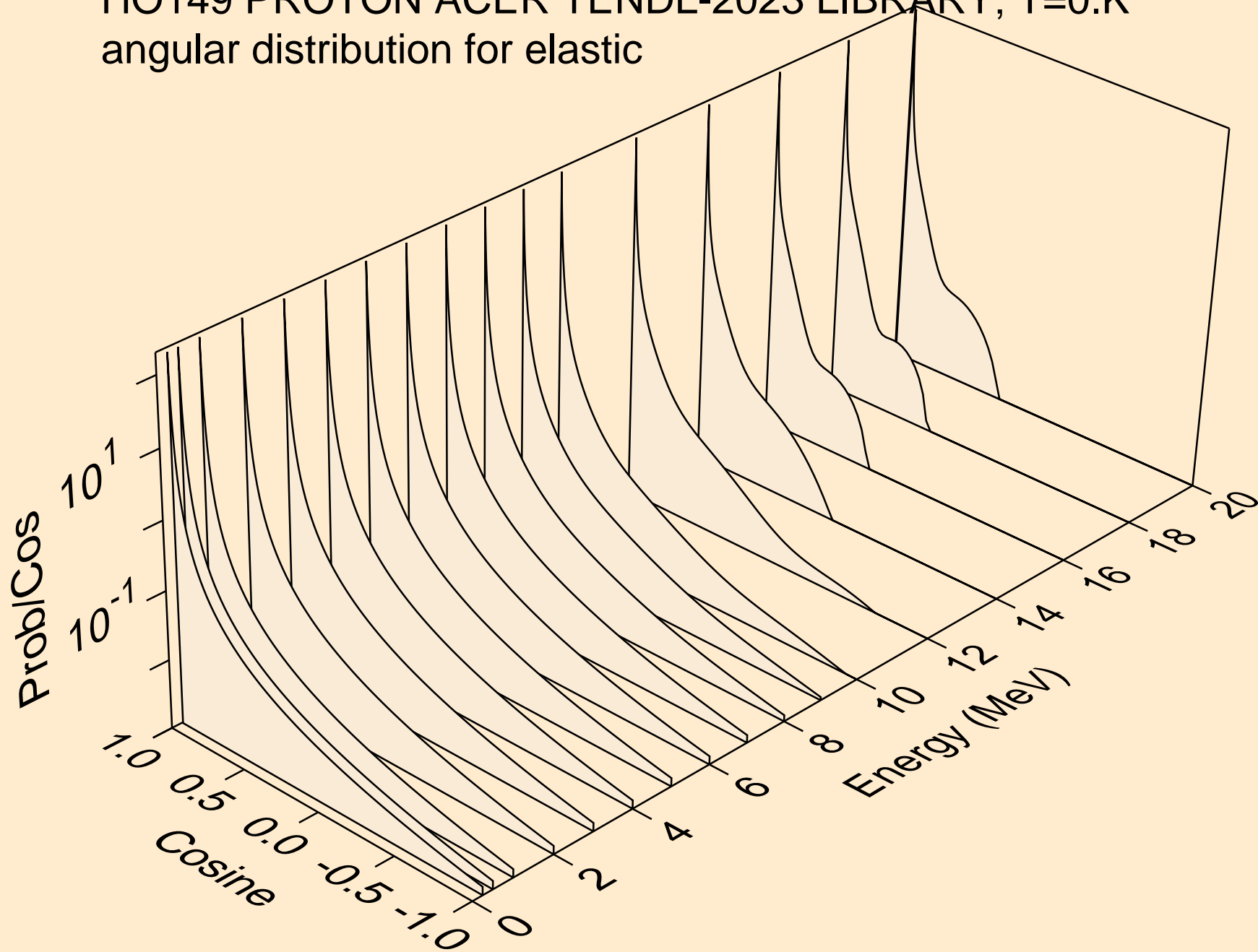
## Threshold reactions



HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

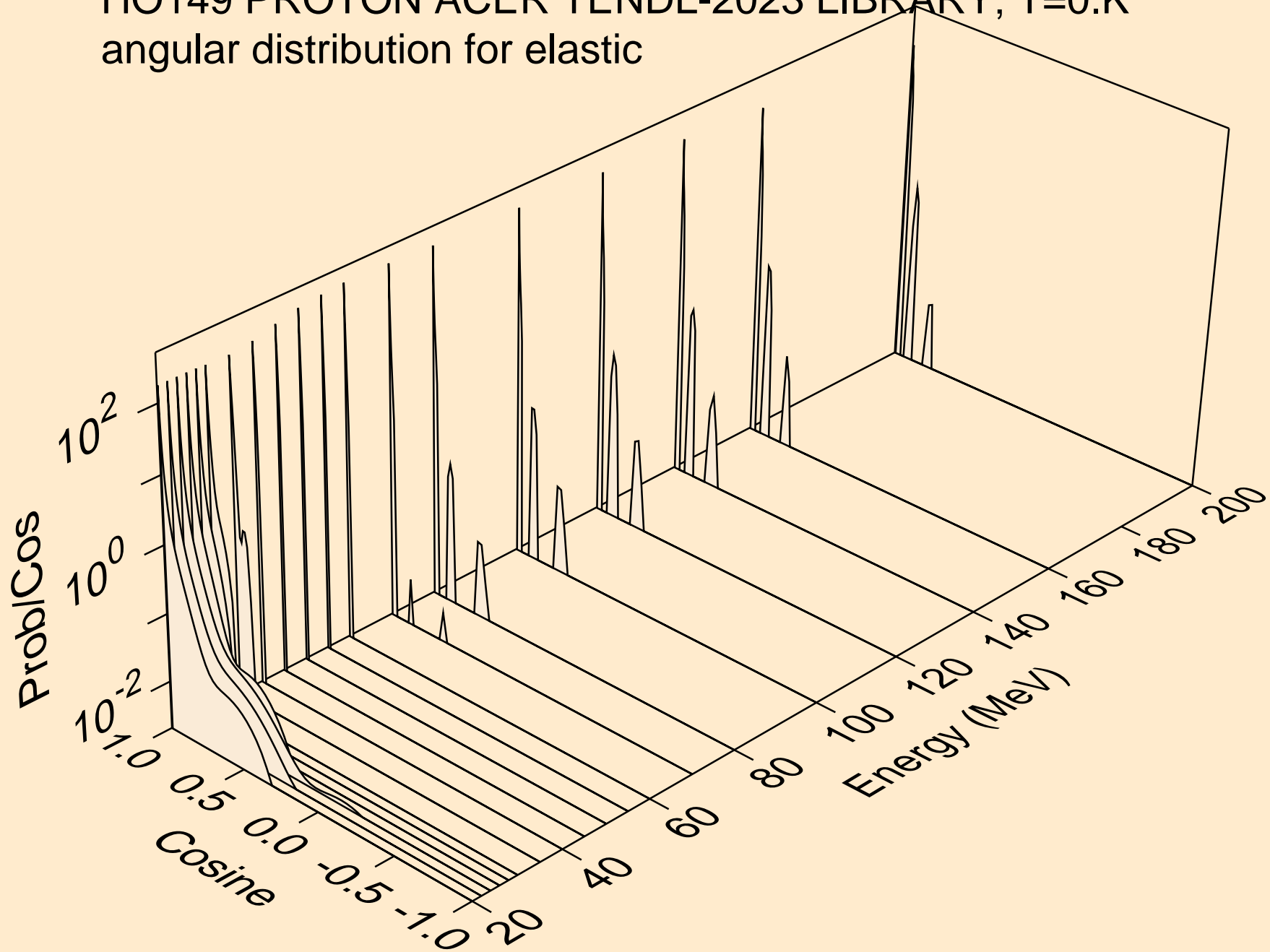


HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

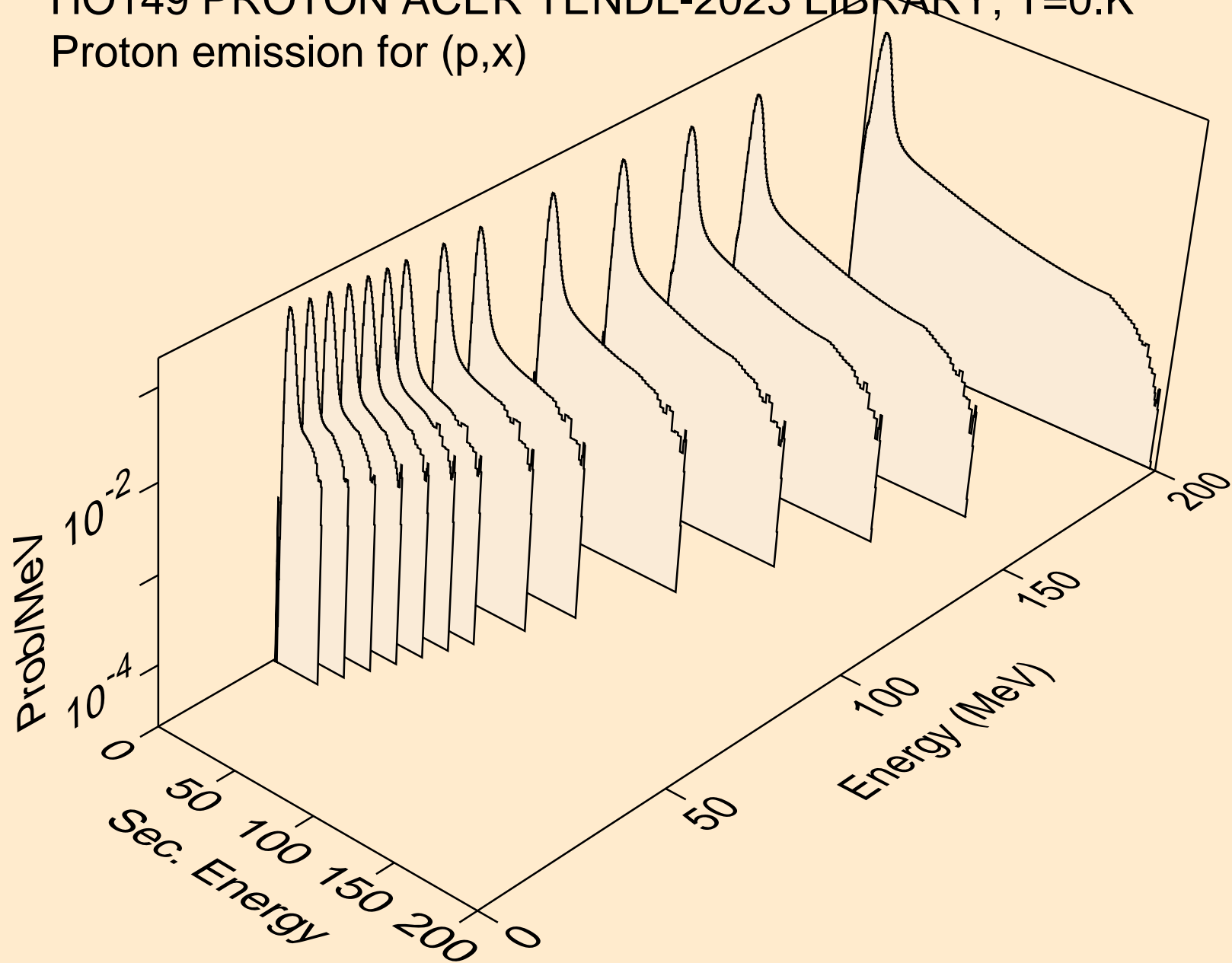




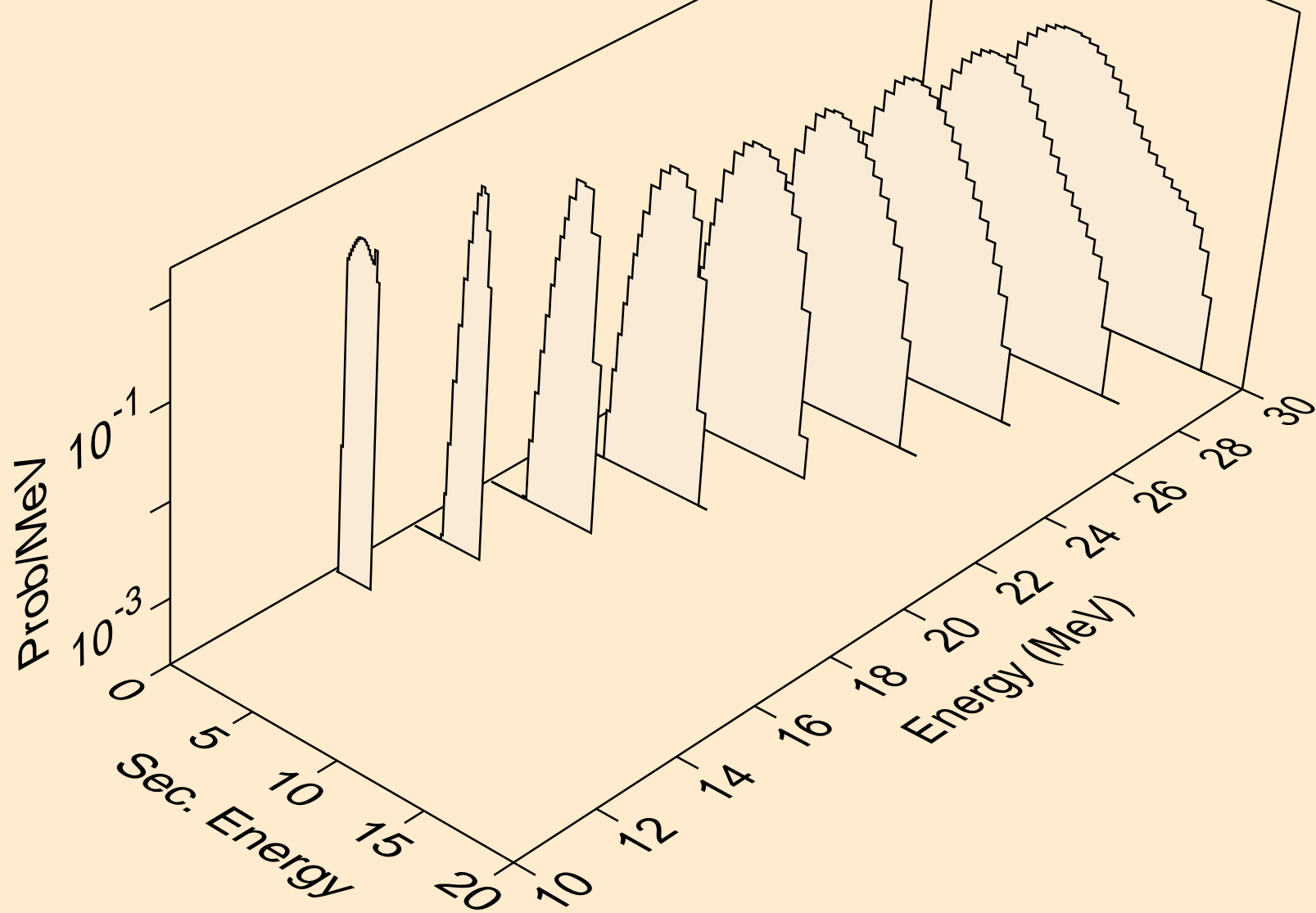
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



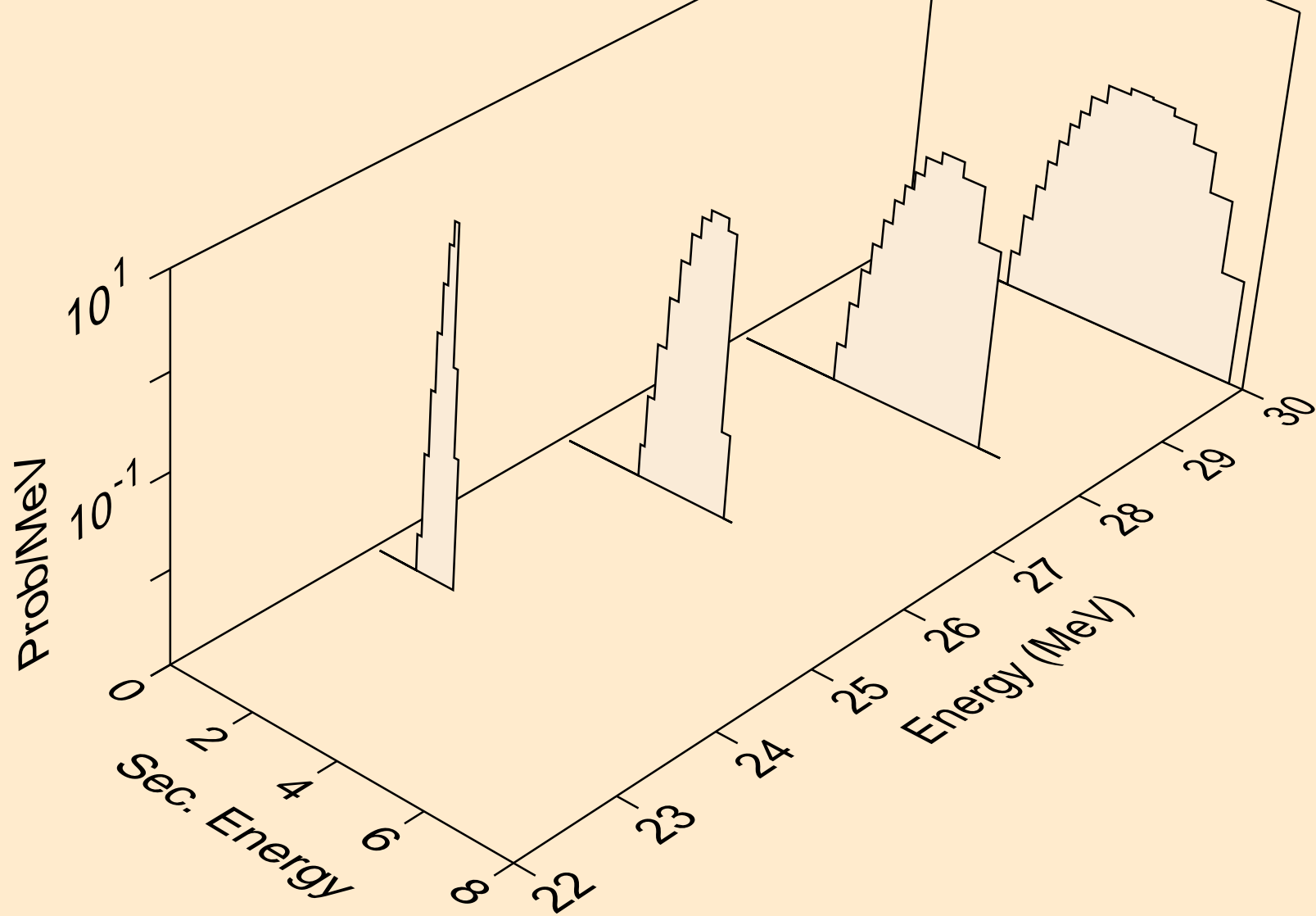
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



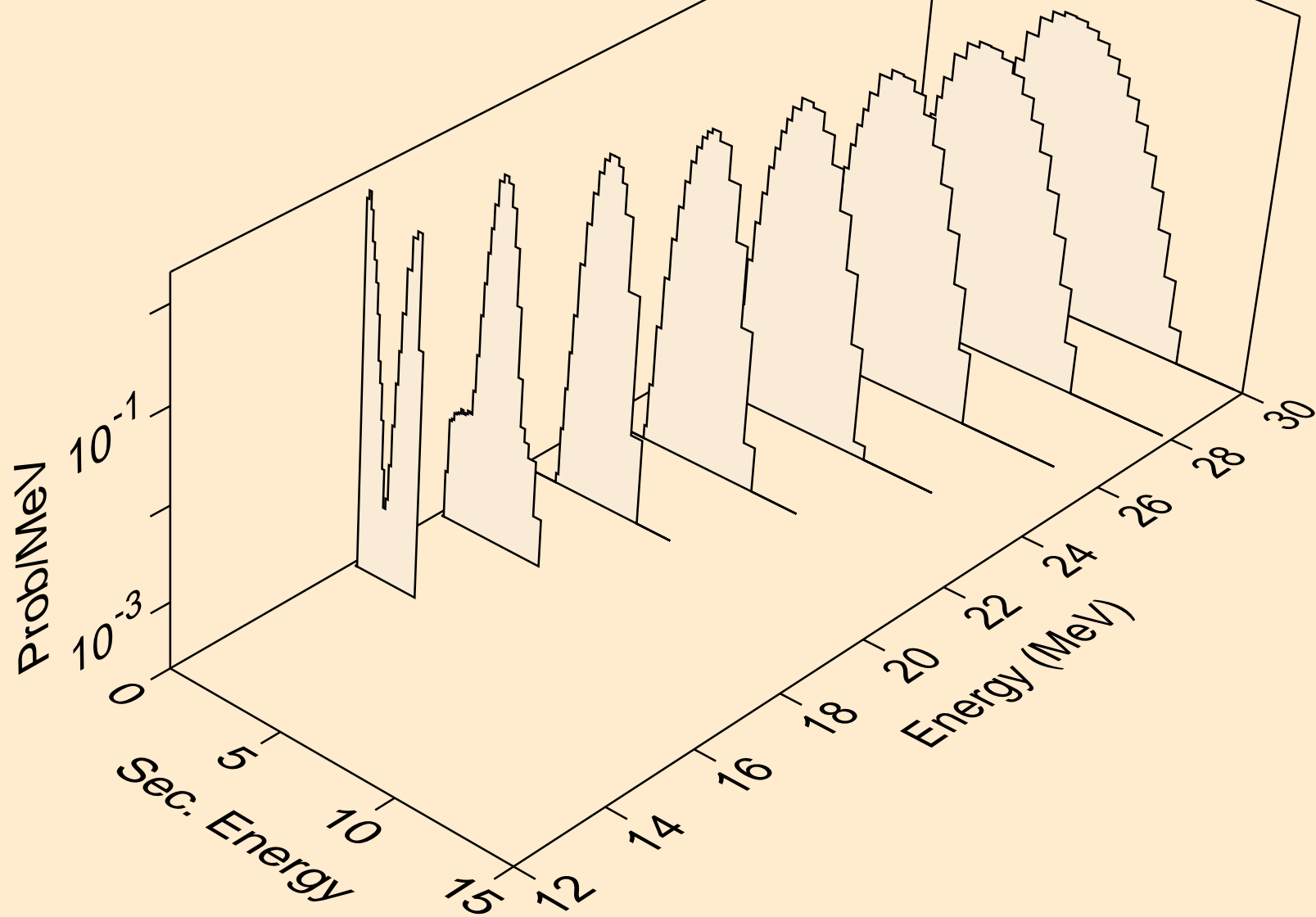
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



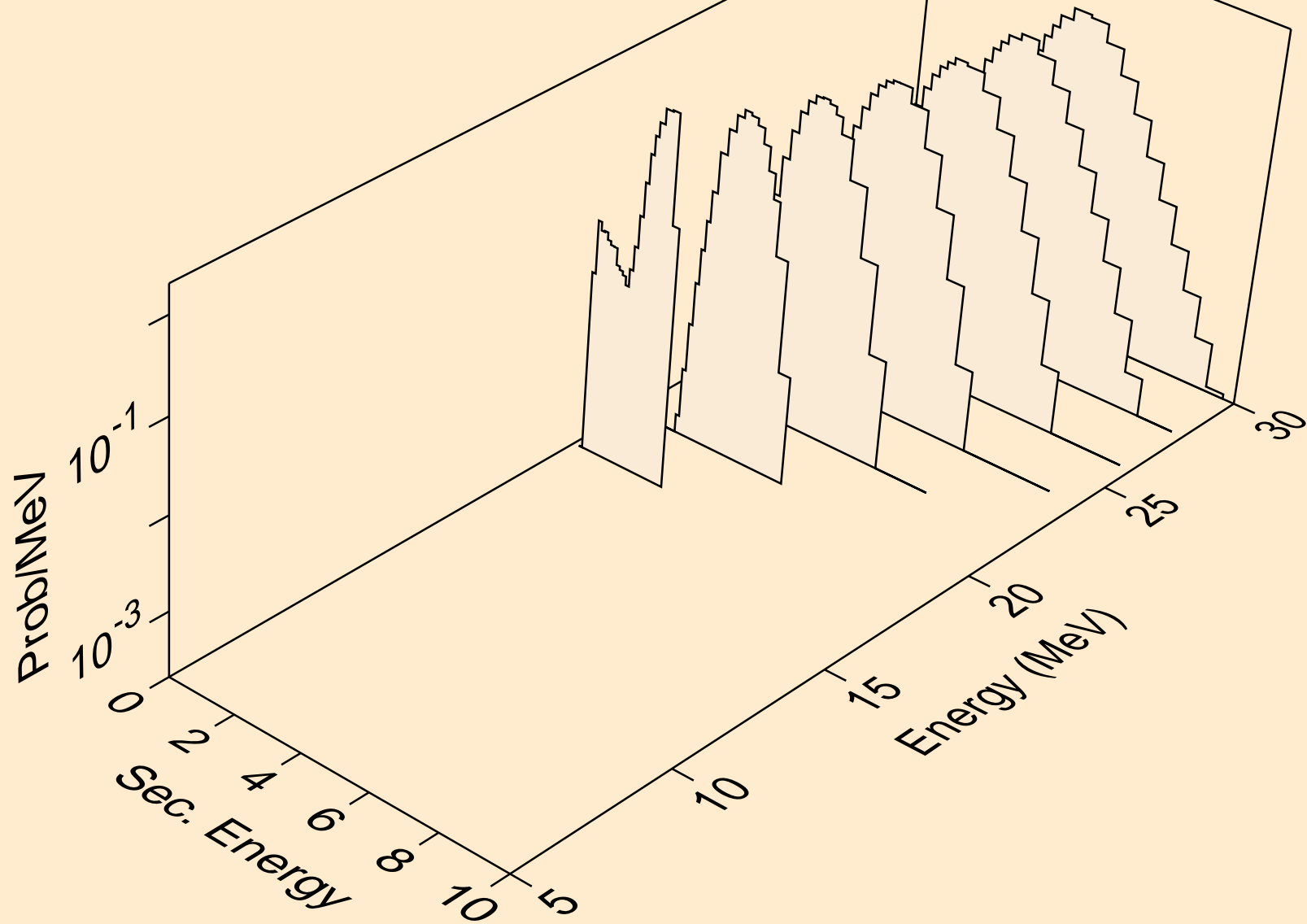
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



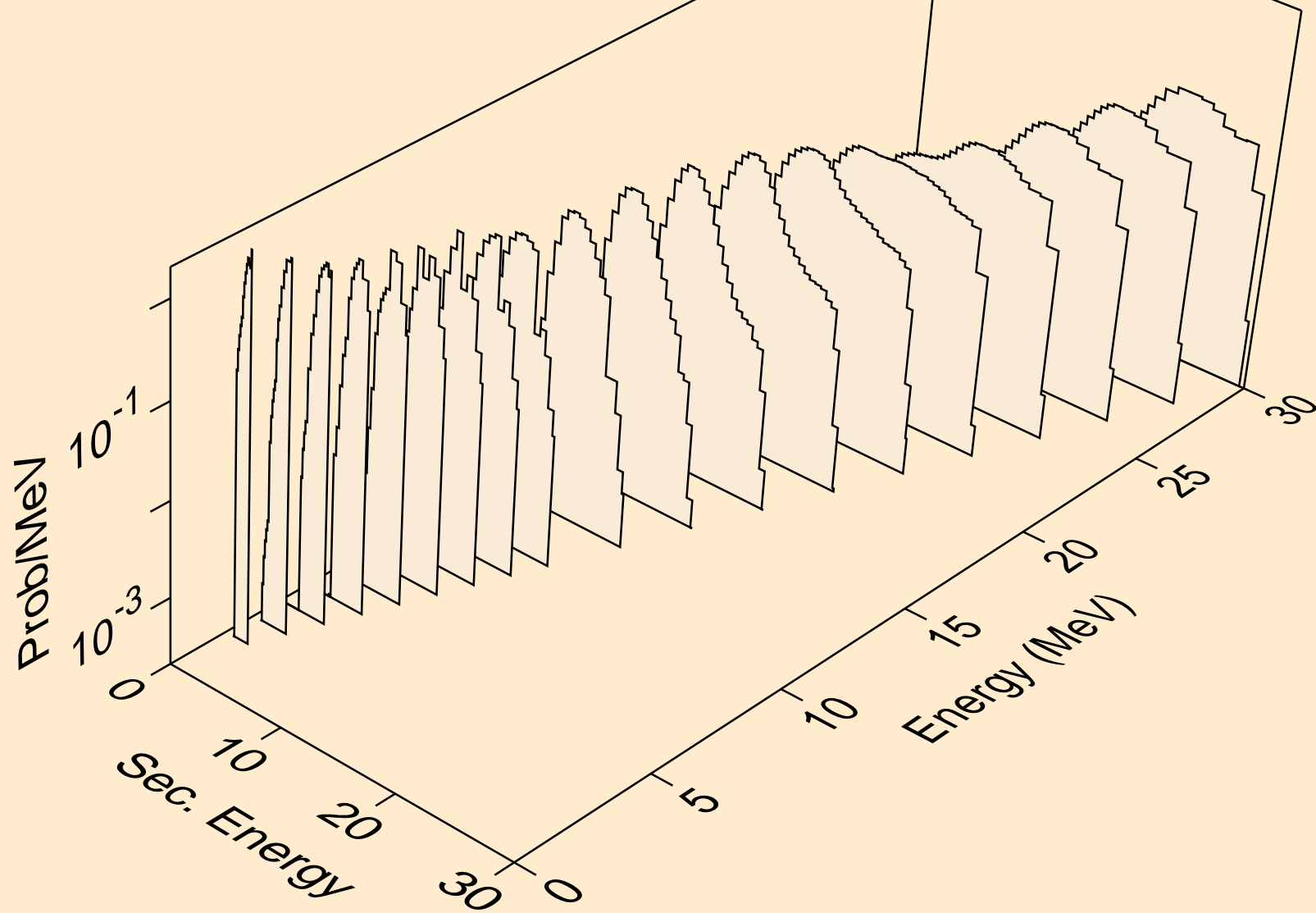
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)



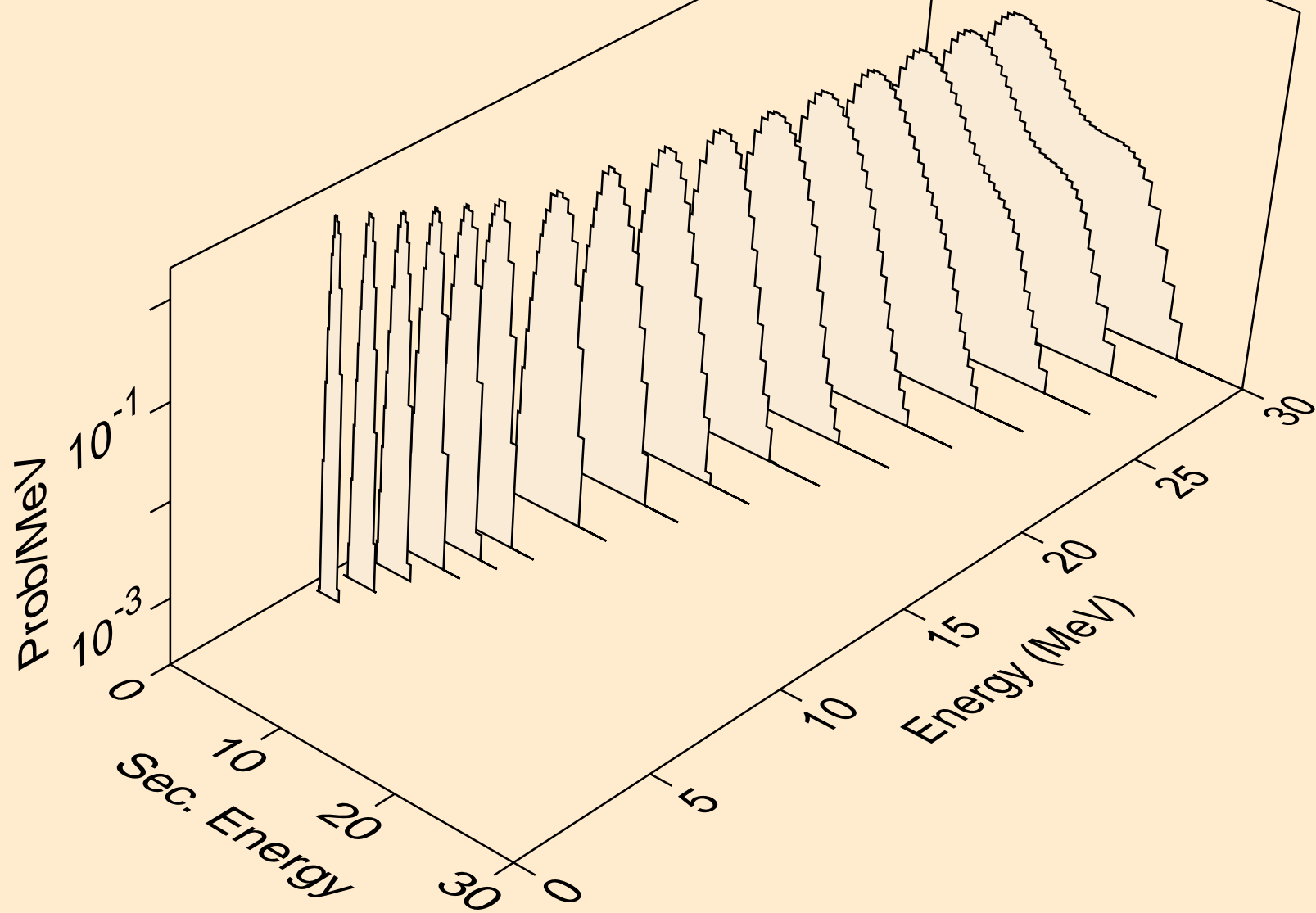
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,npa)



HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

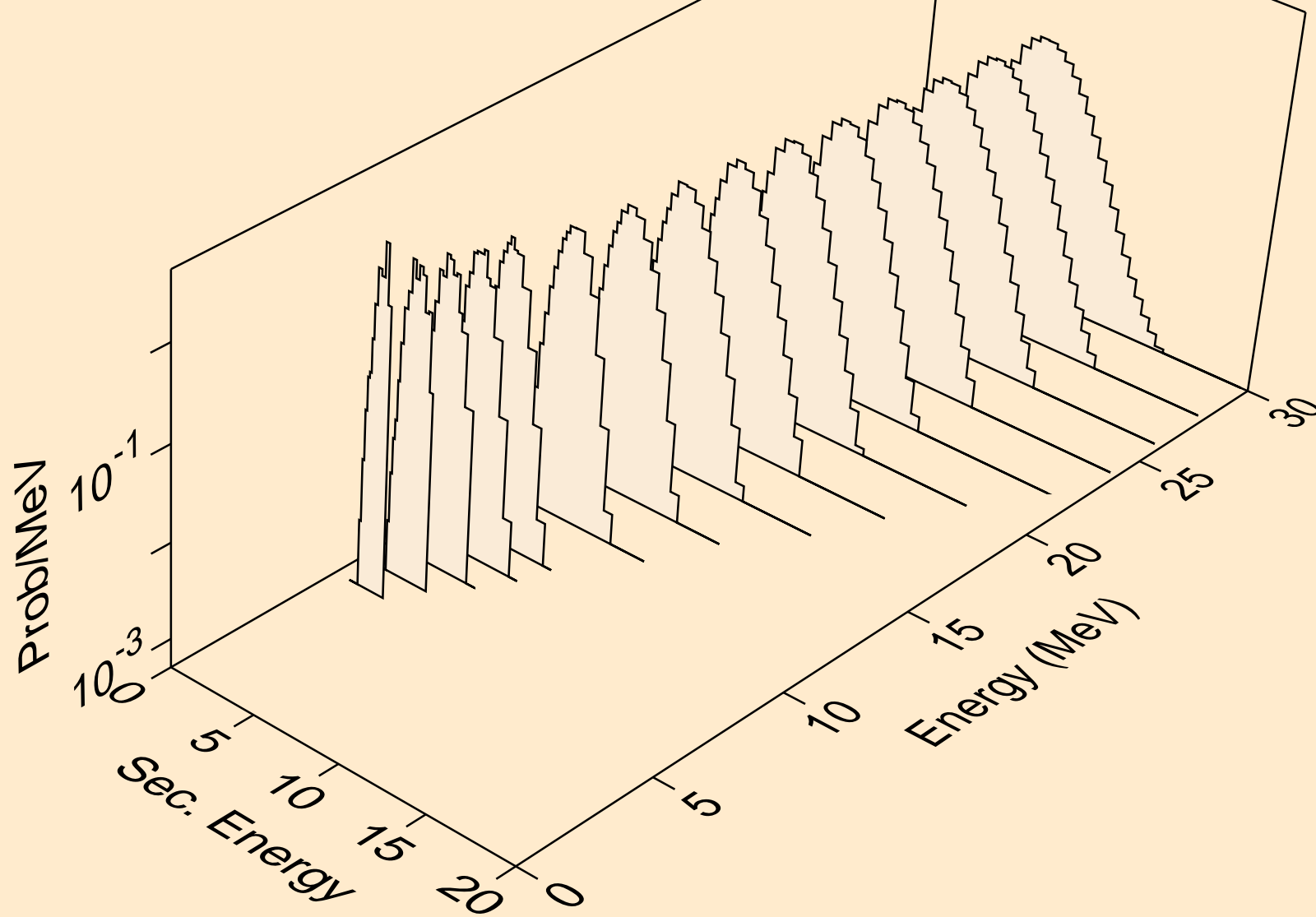


HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2p)

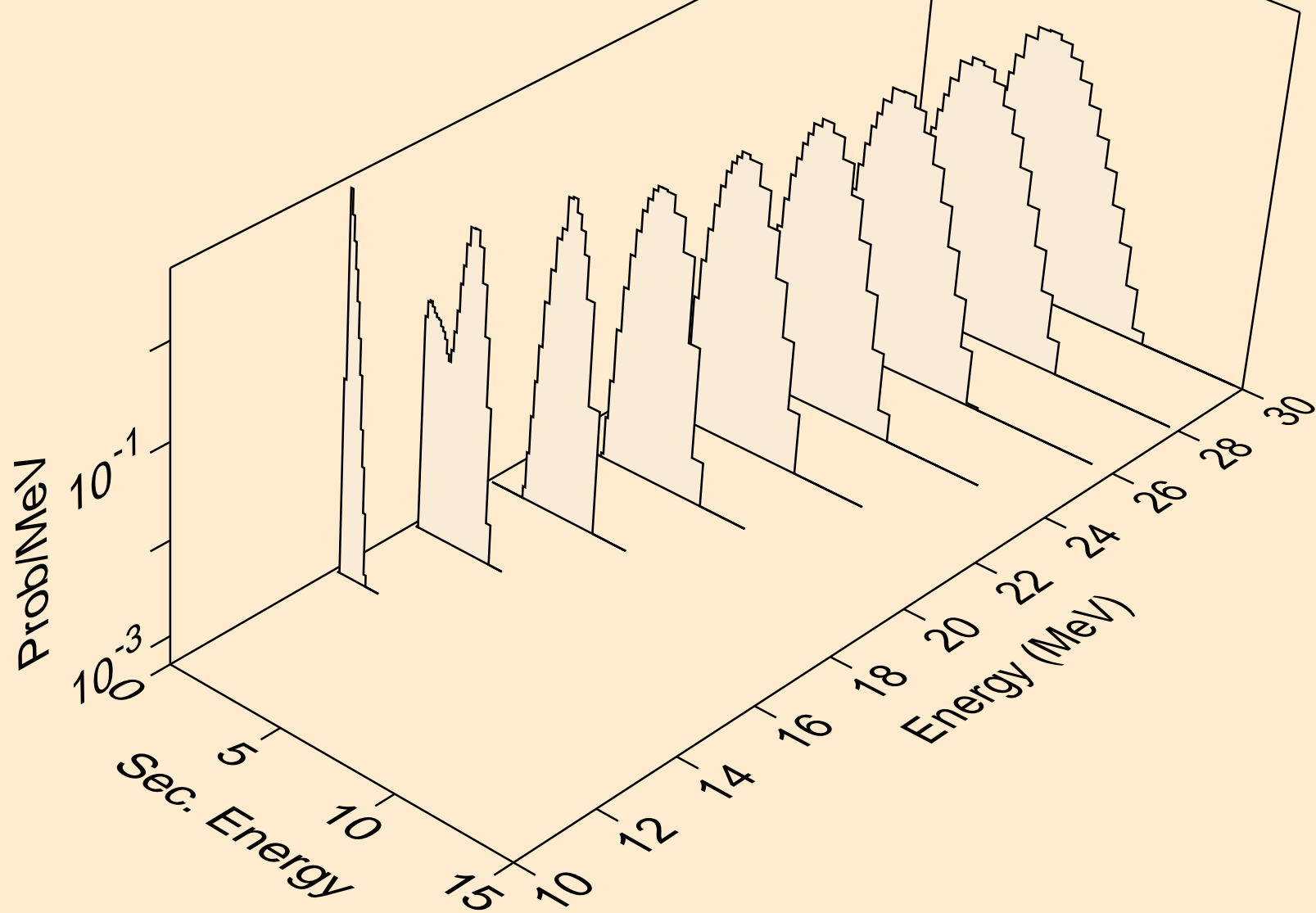




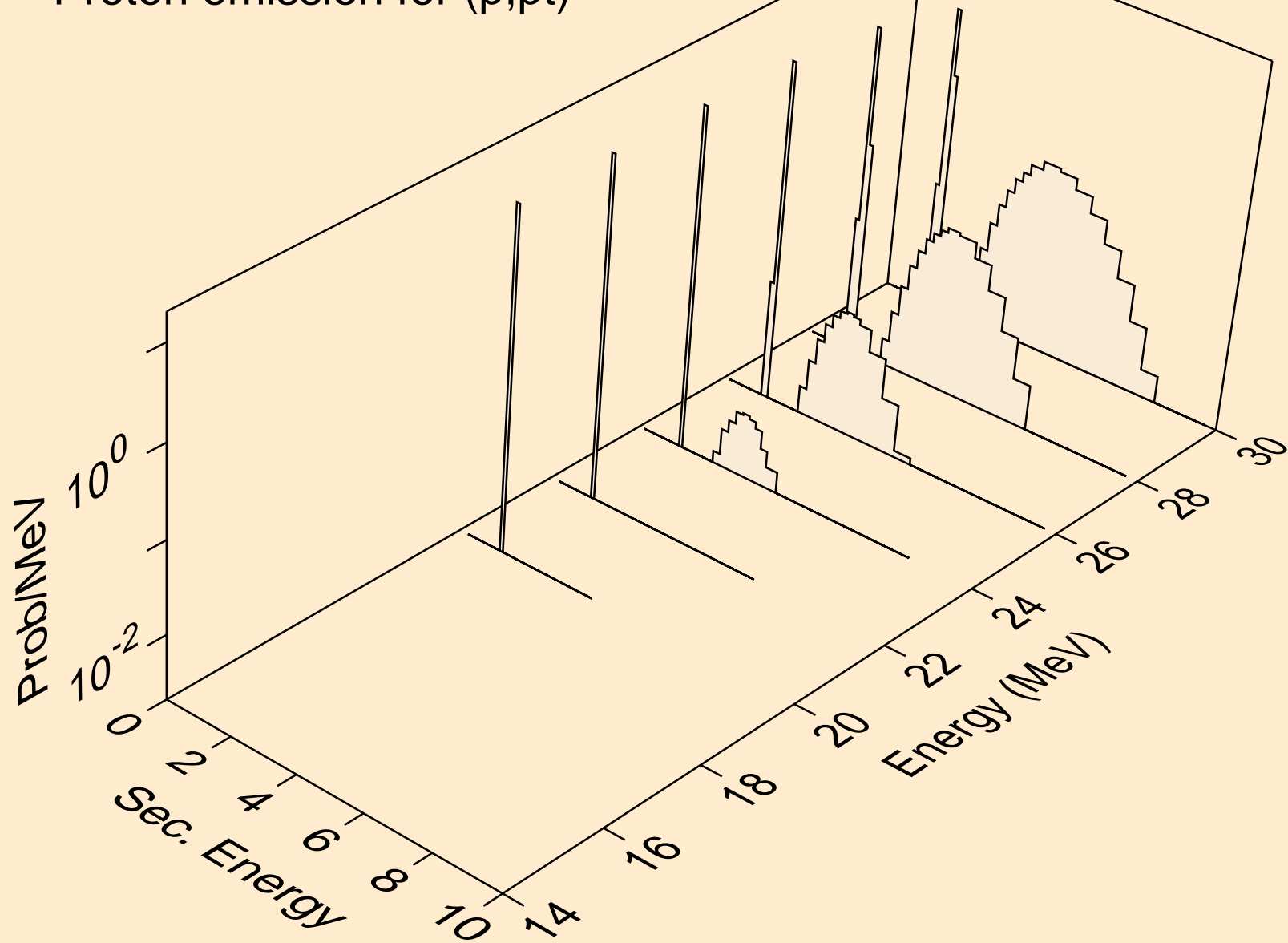
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Proton emission for (p,pa)



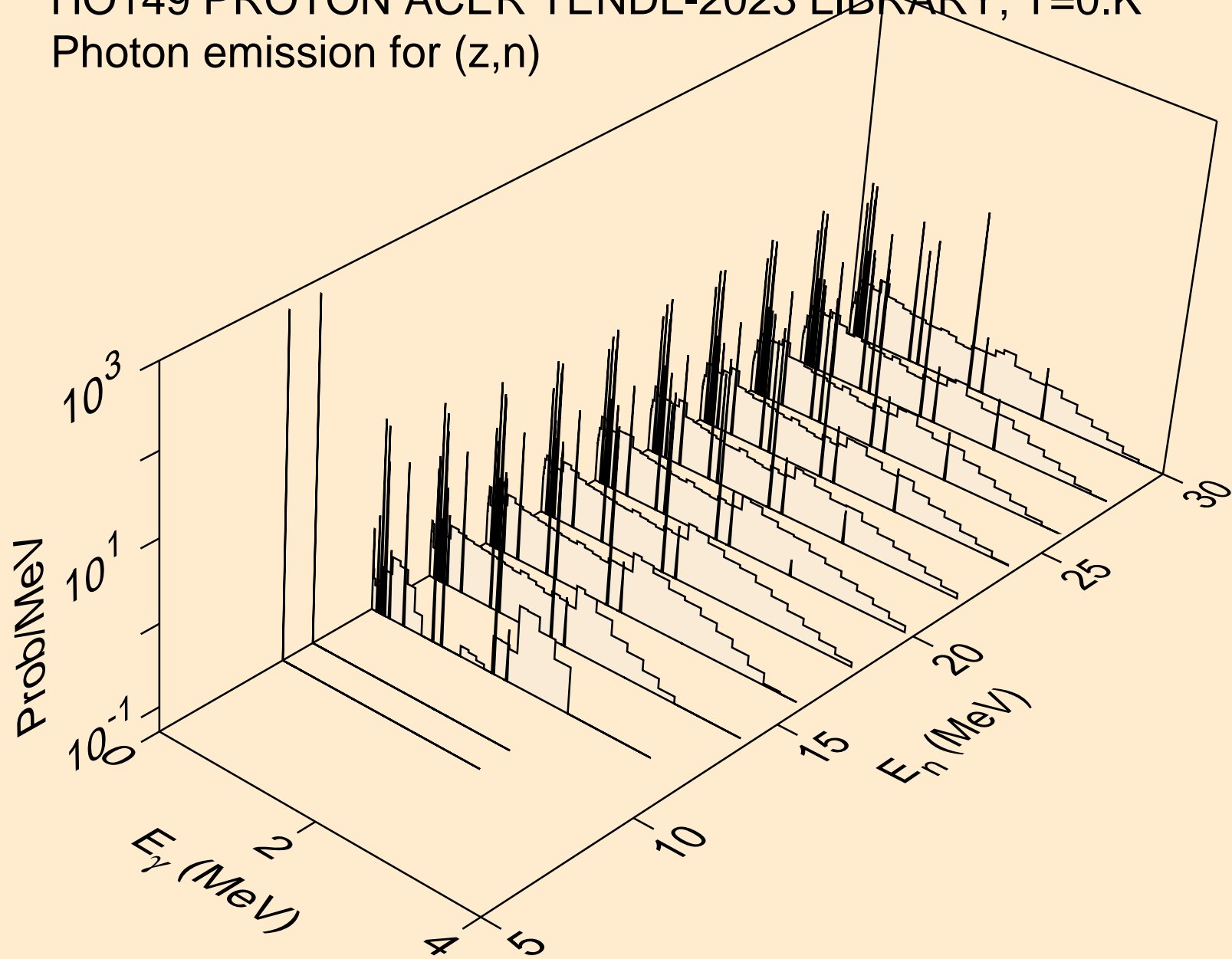
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pd)



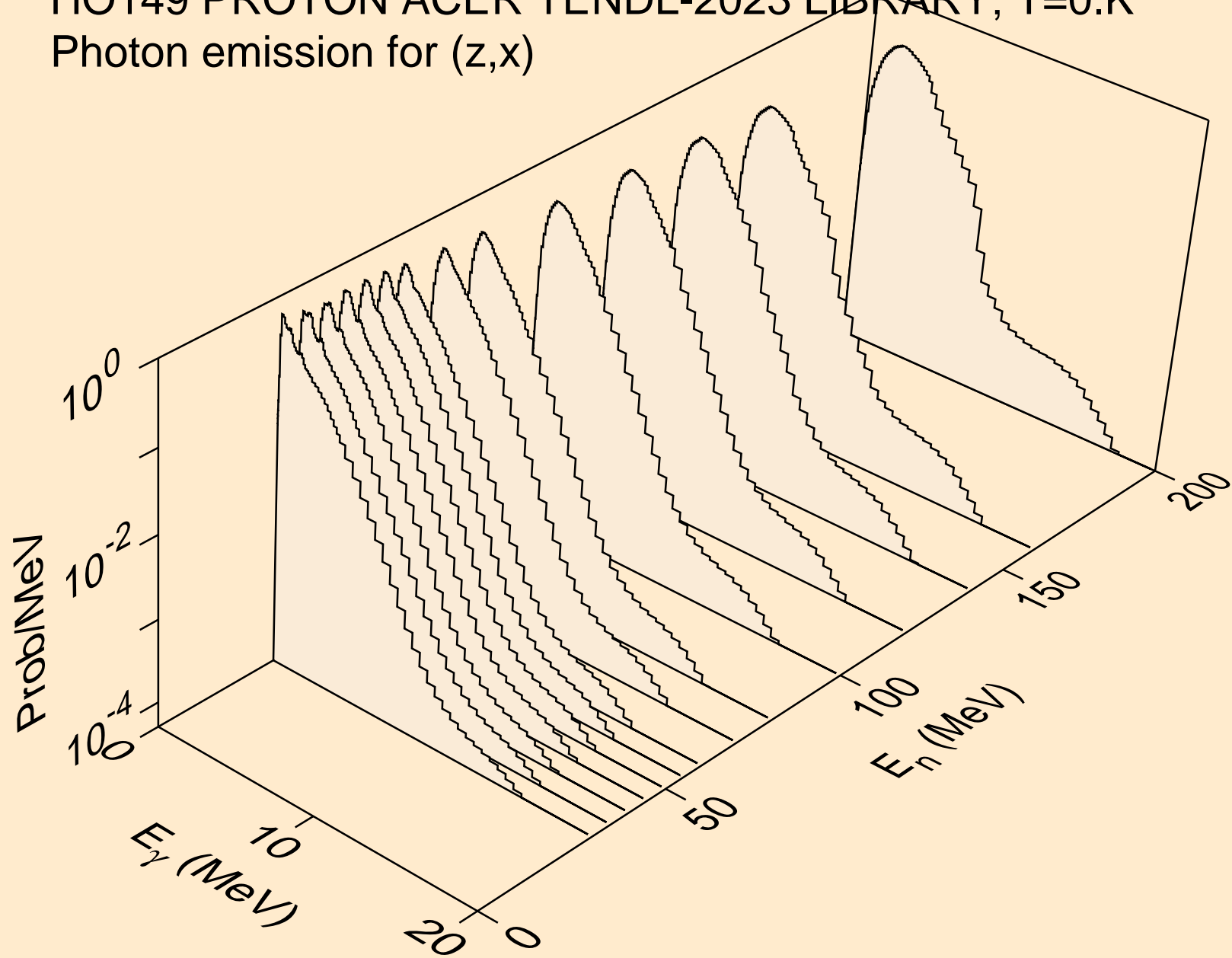
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pt)



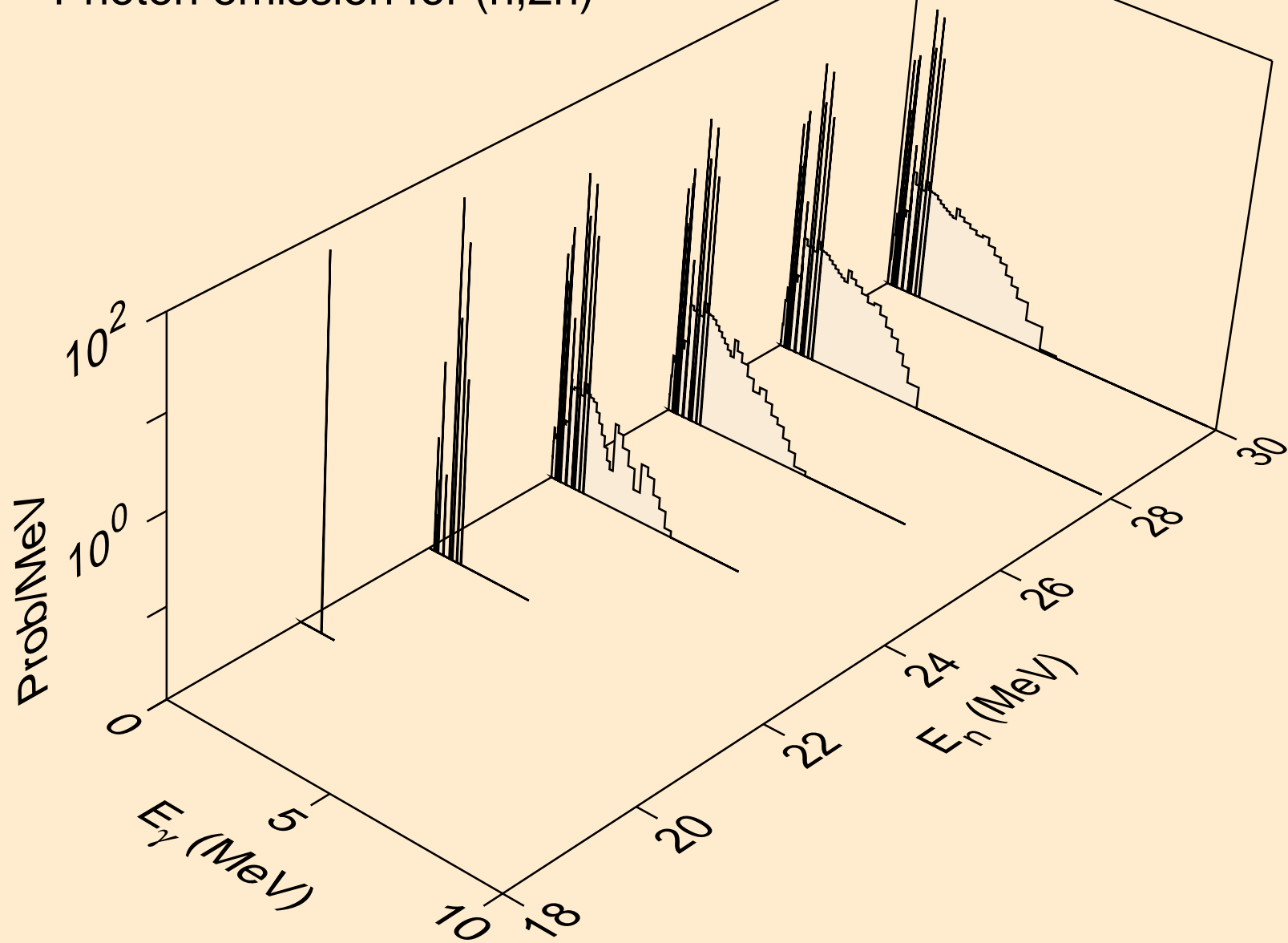
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



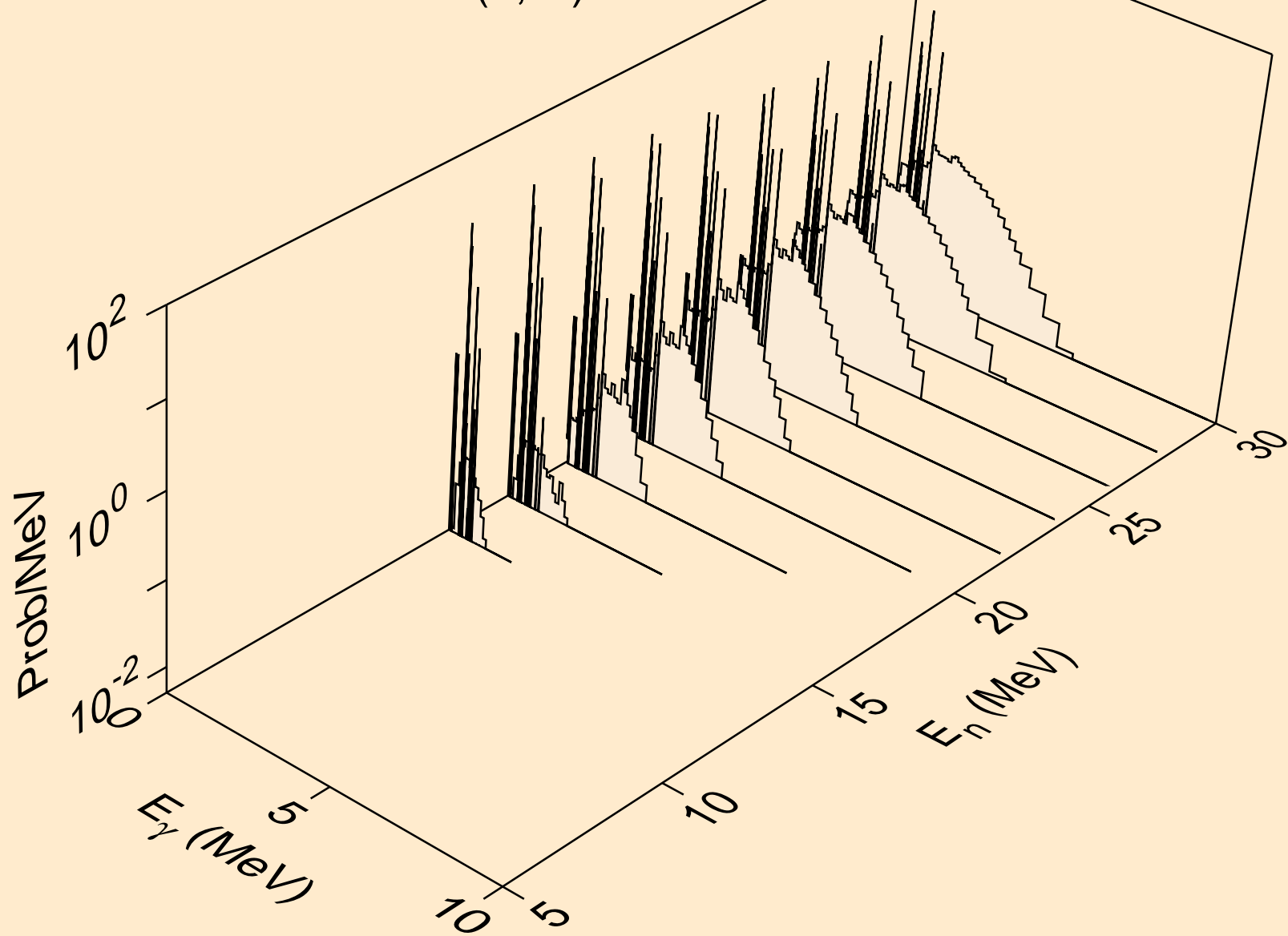
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



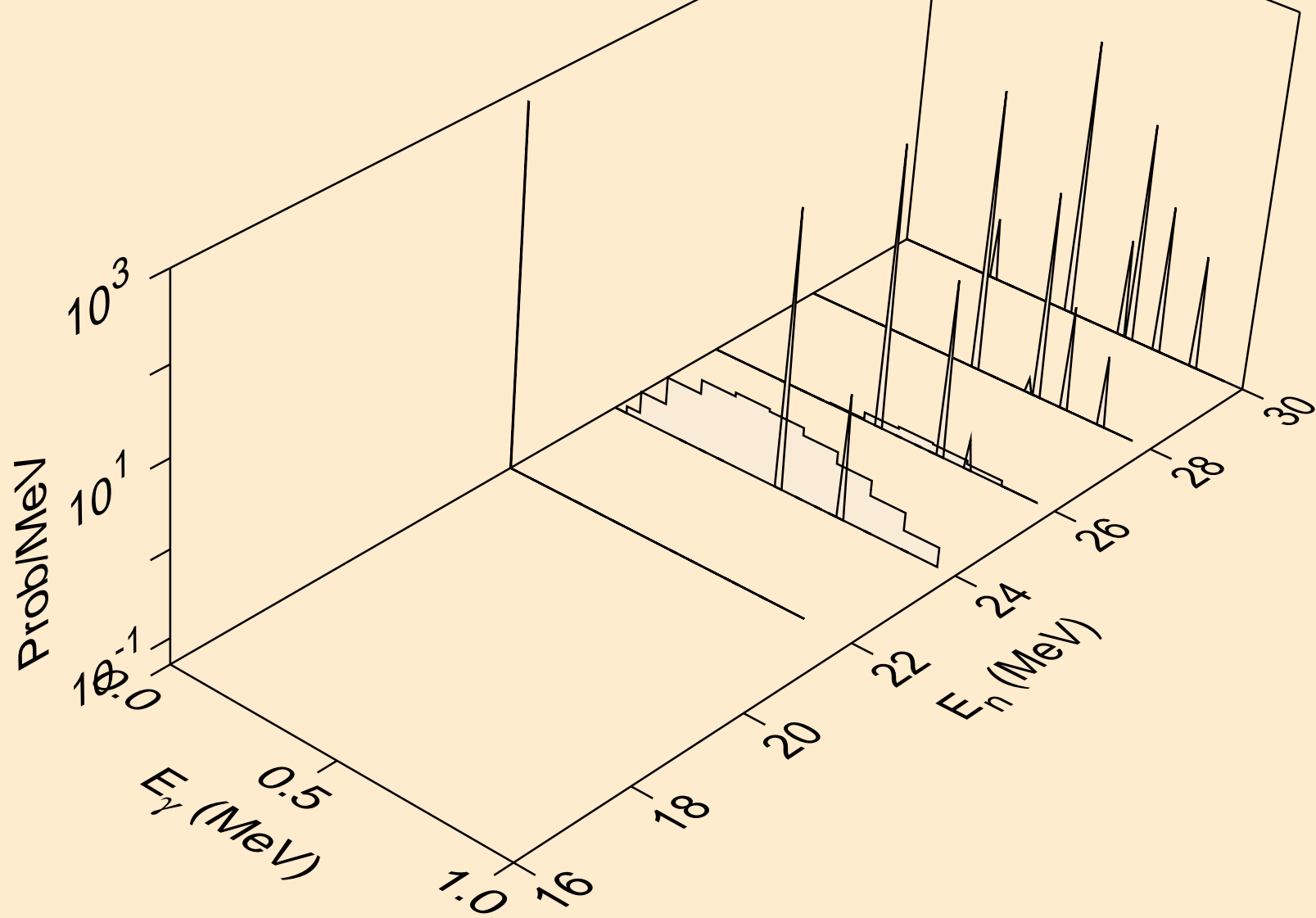
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

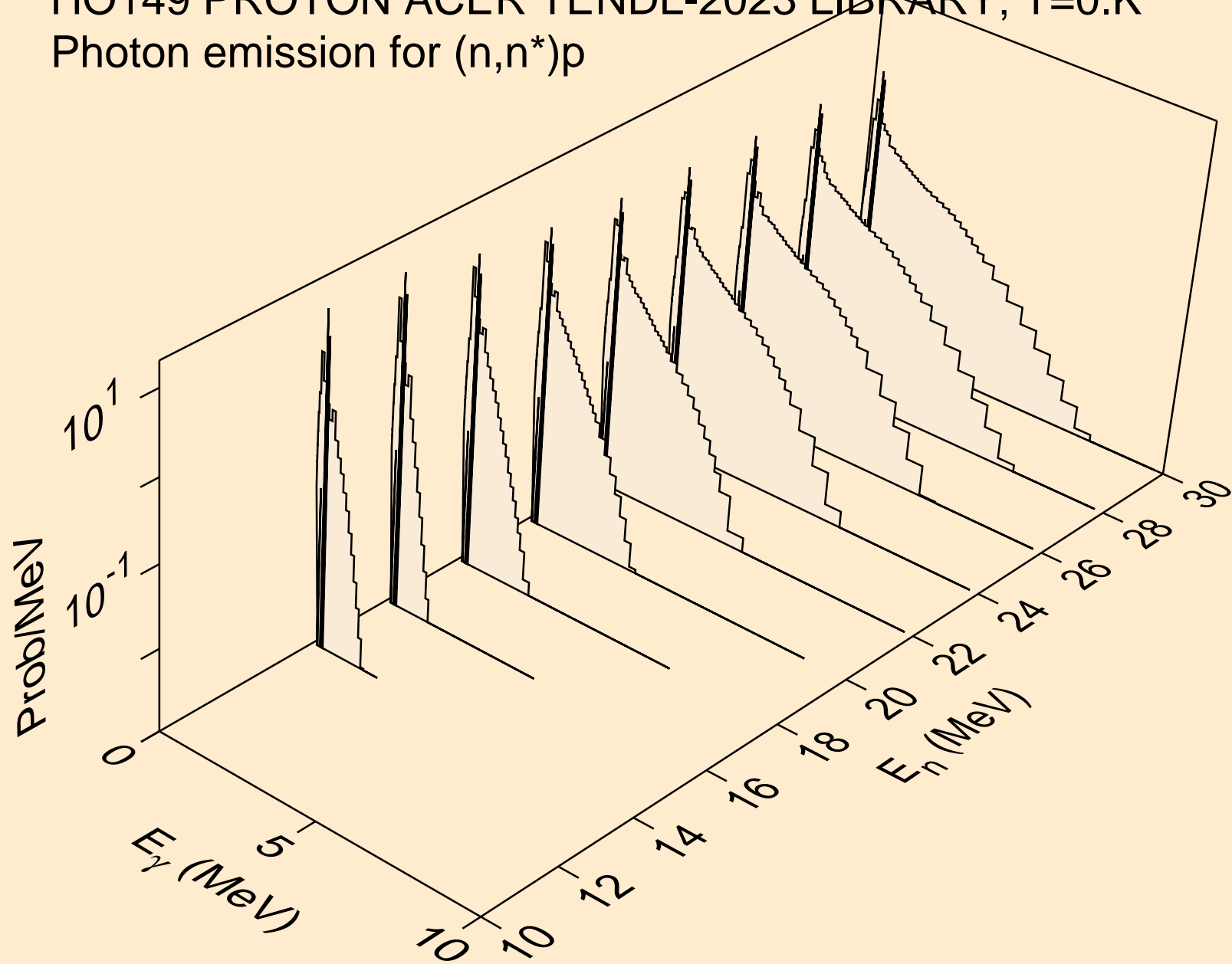


HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

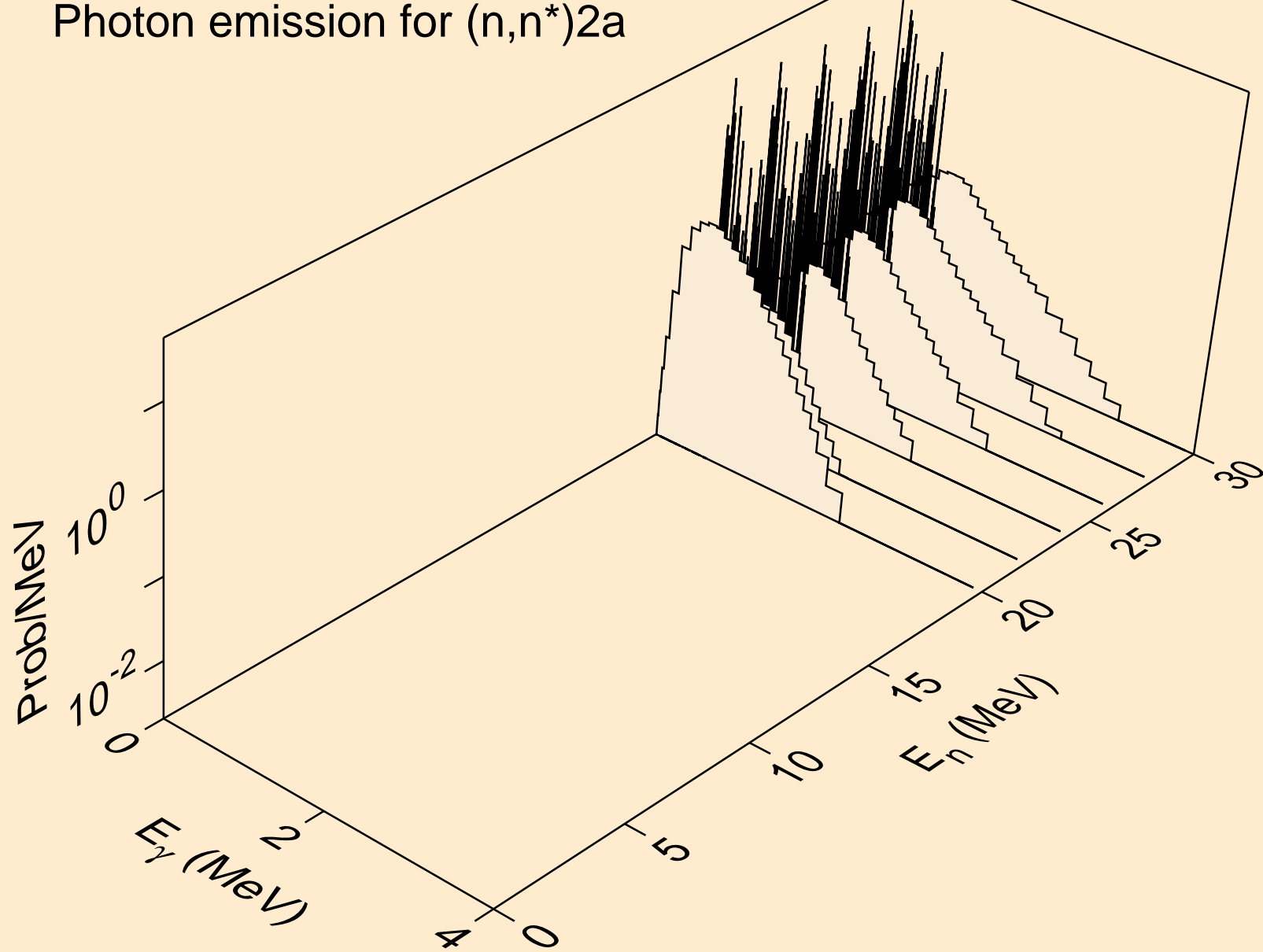




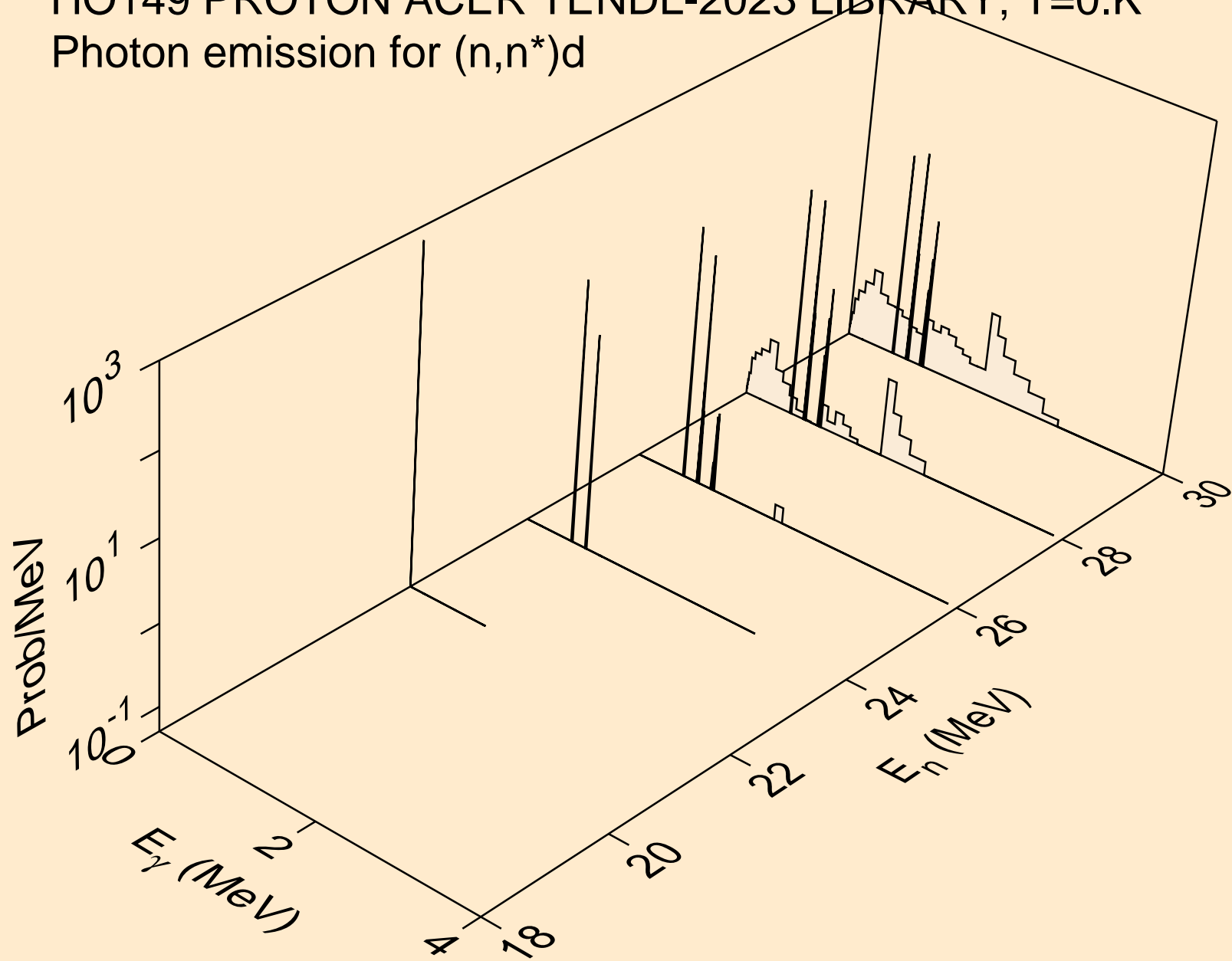
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



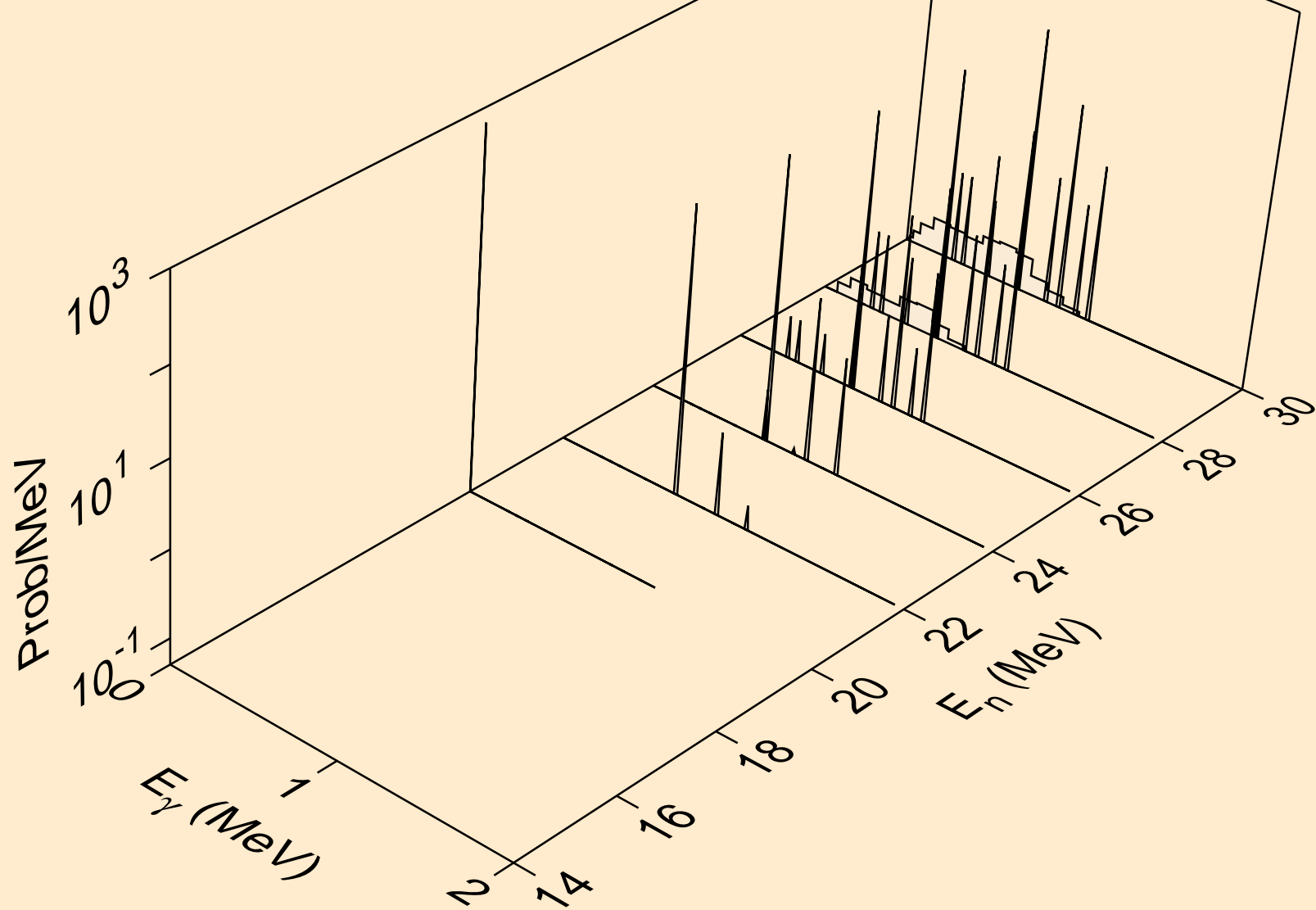
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Photon emission for (n,n\*)2a



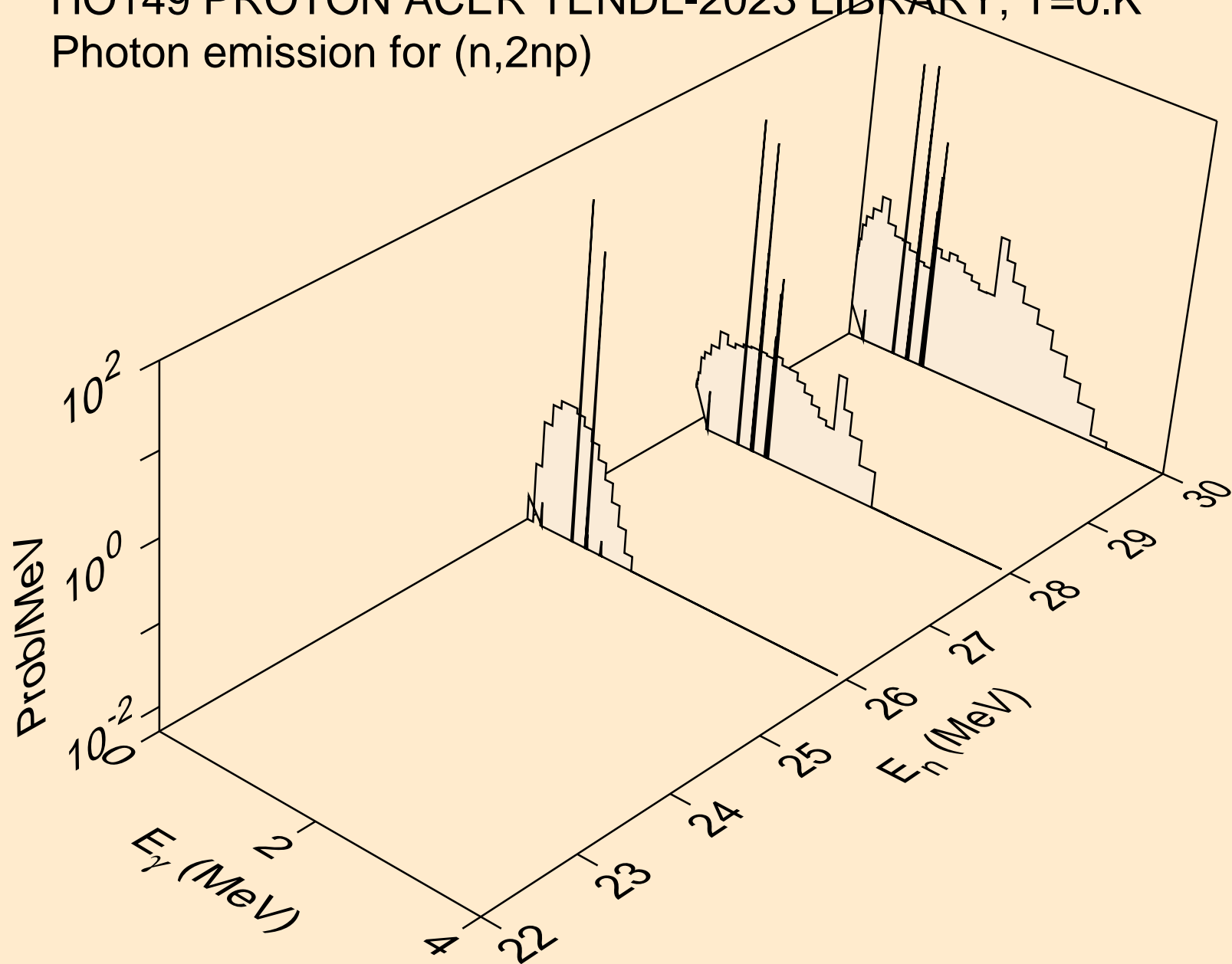
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



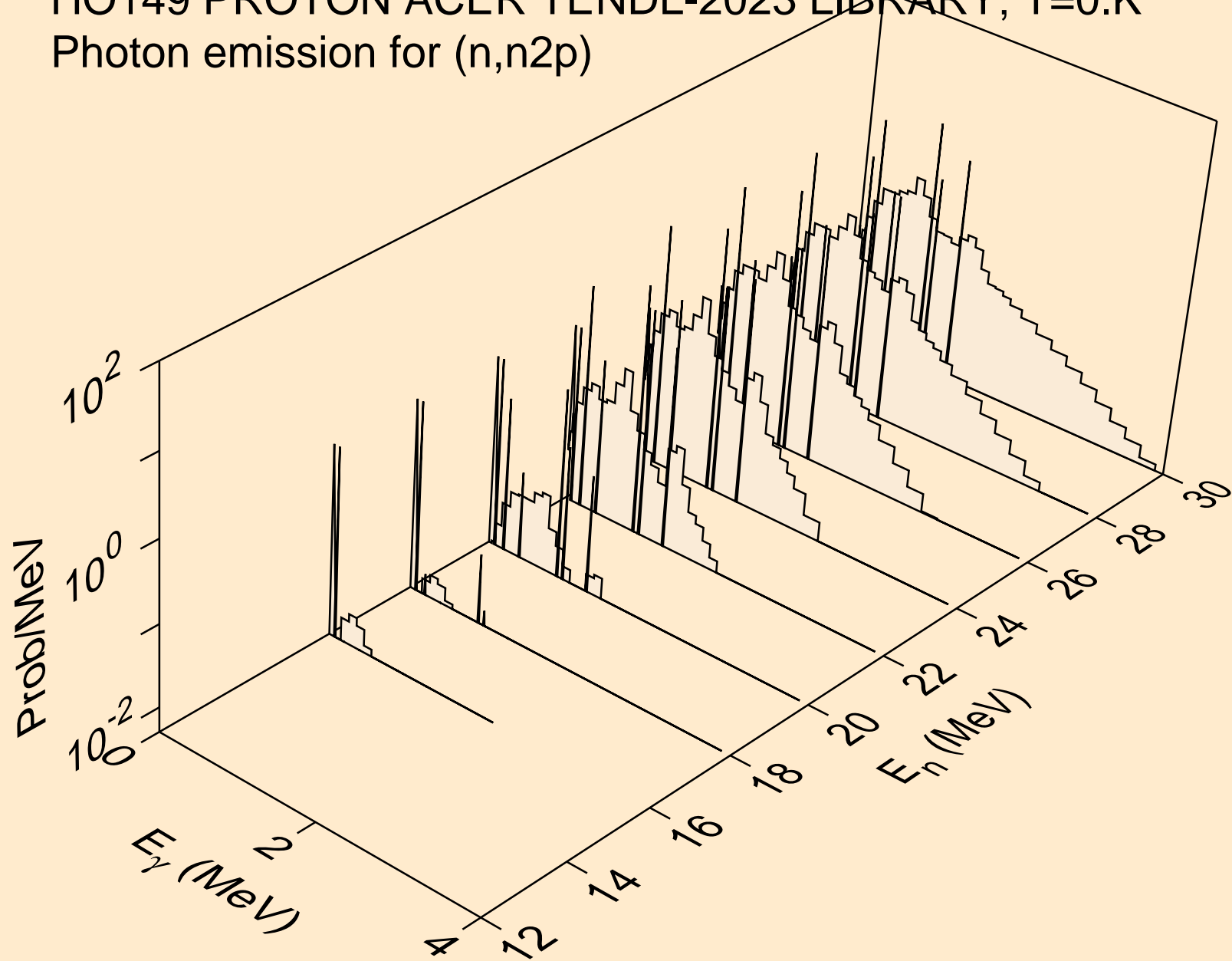
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



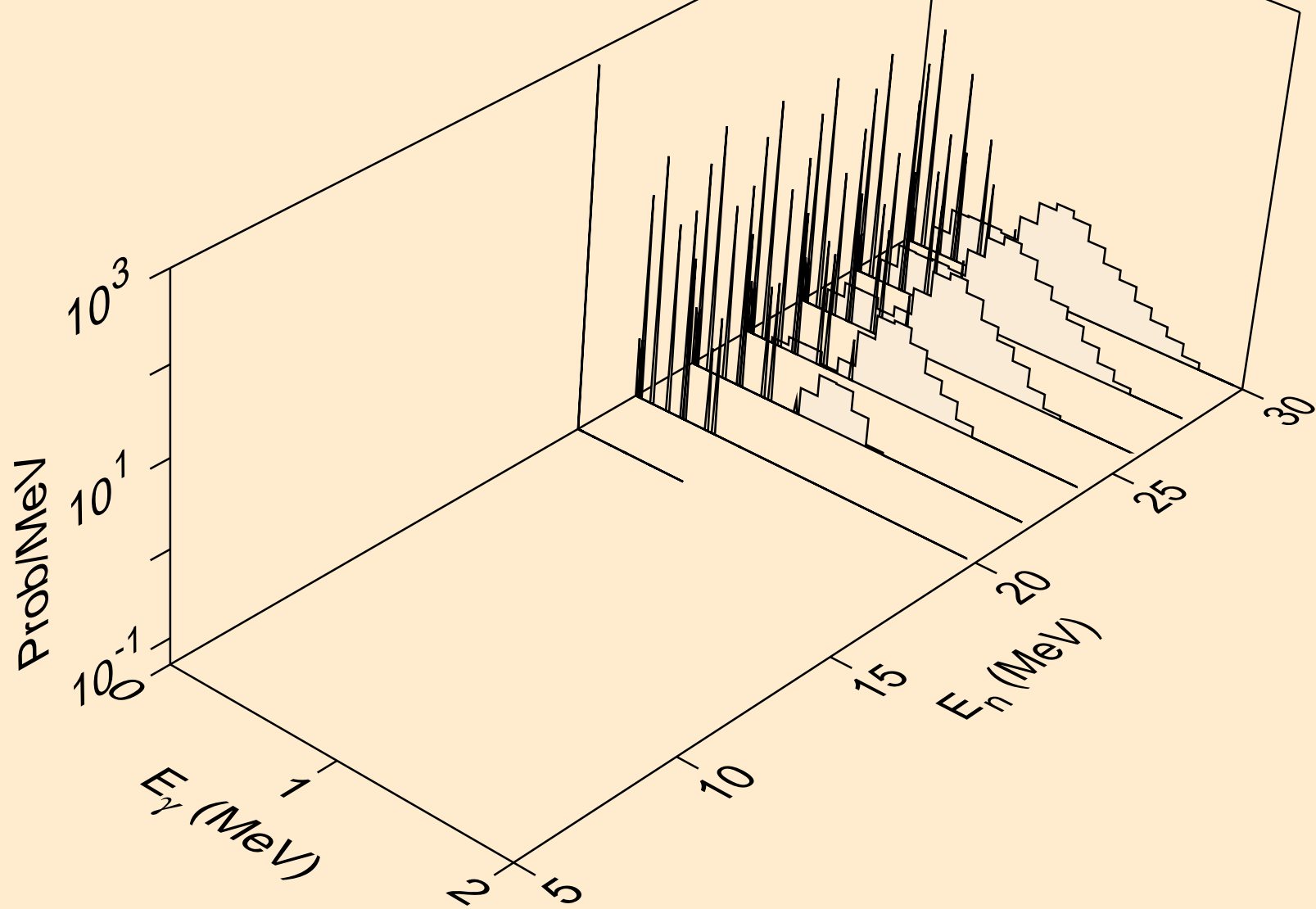
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



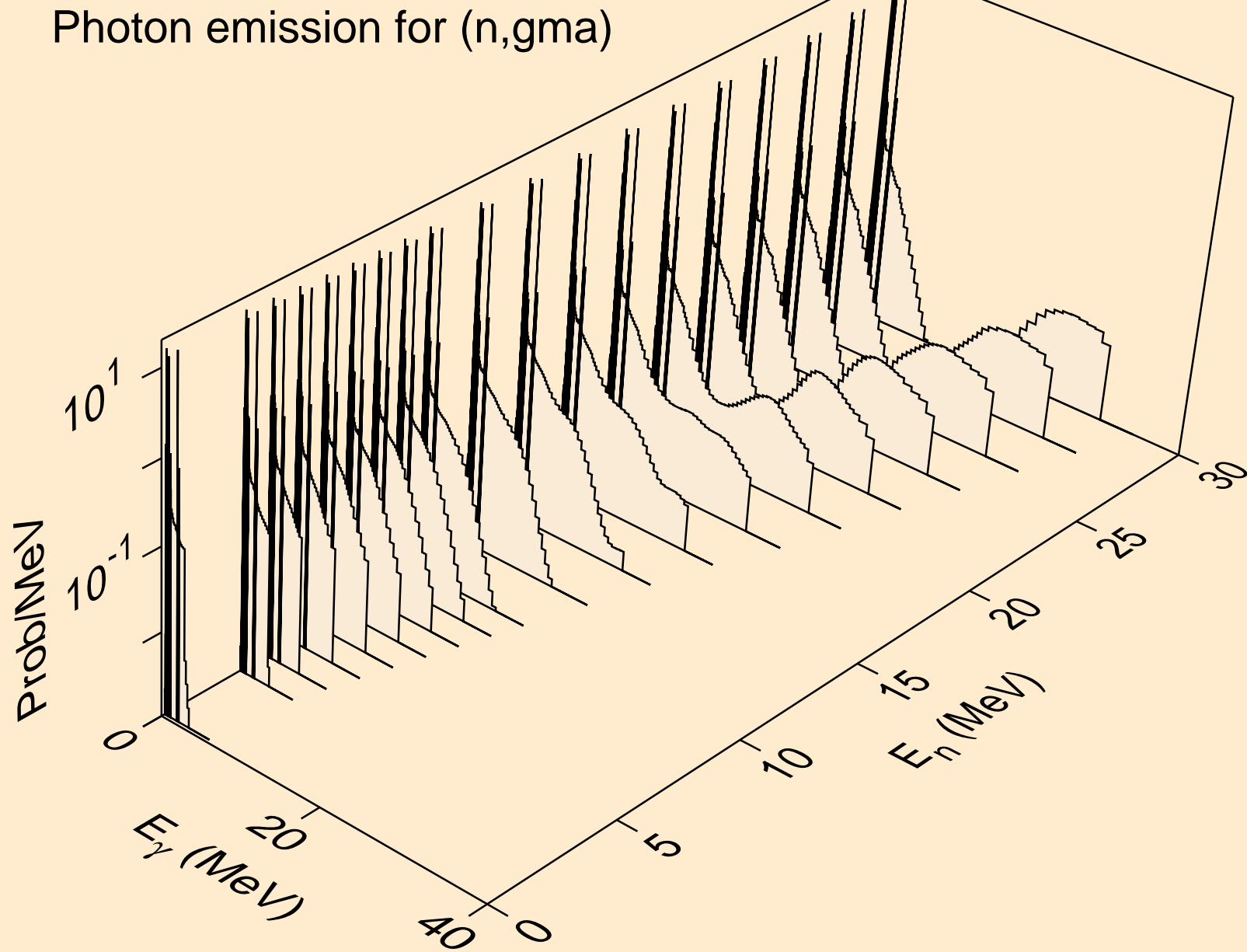
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)

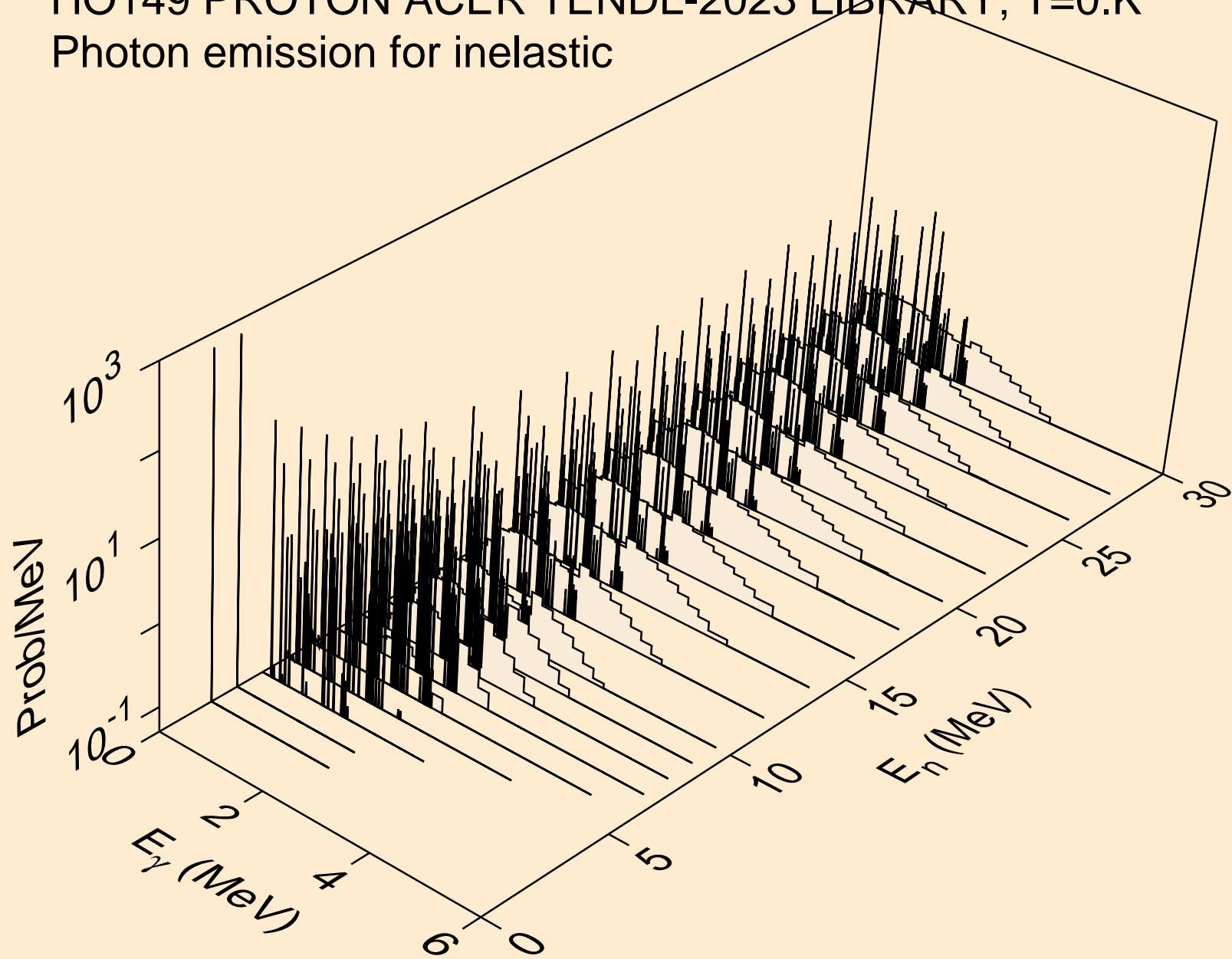


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Photon emission for (n,gma)

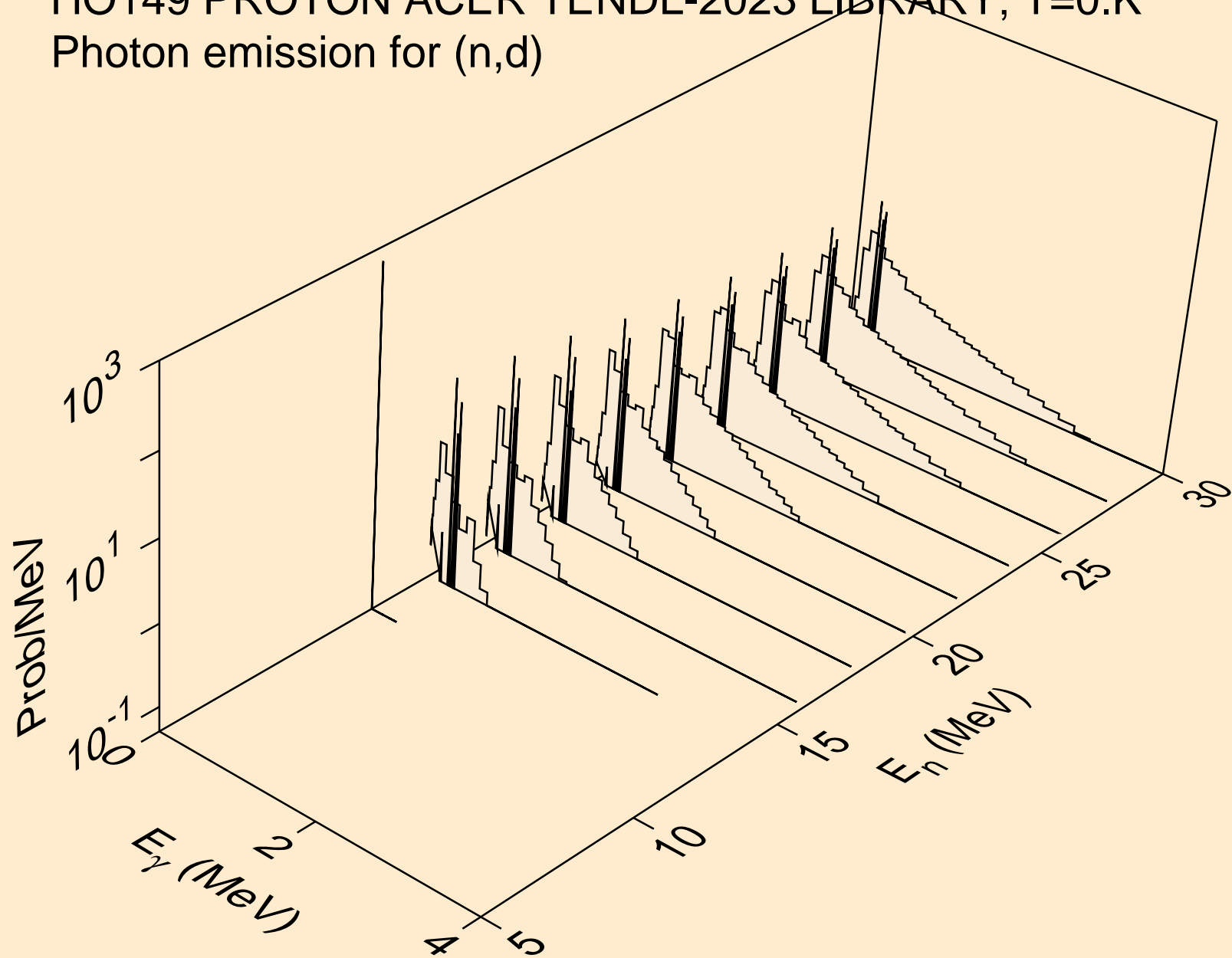




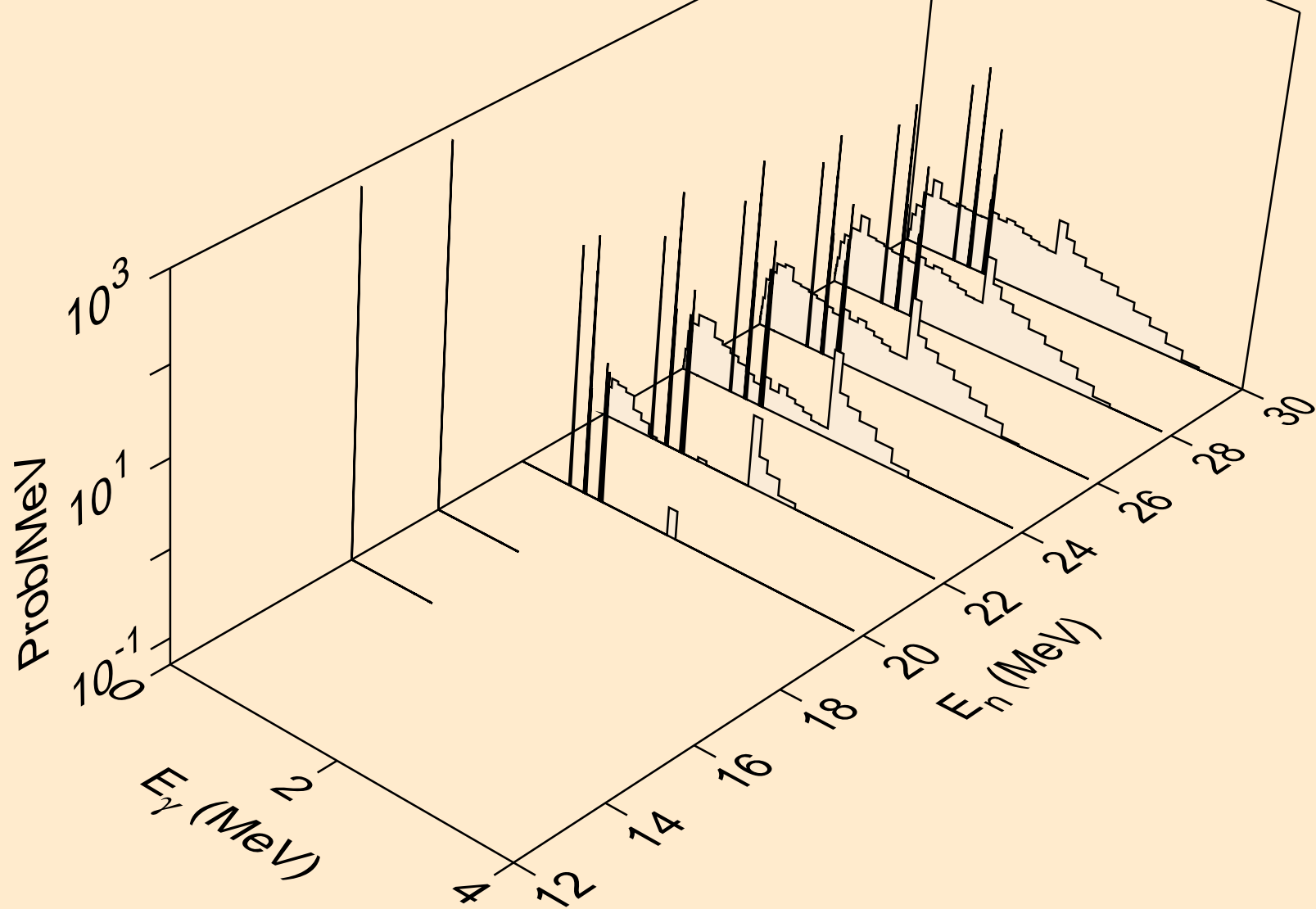
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Photon emission for inelastic



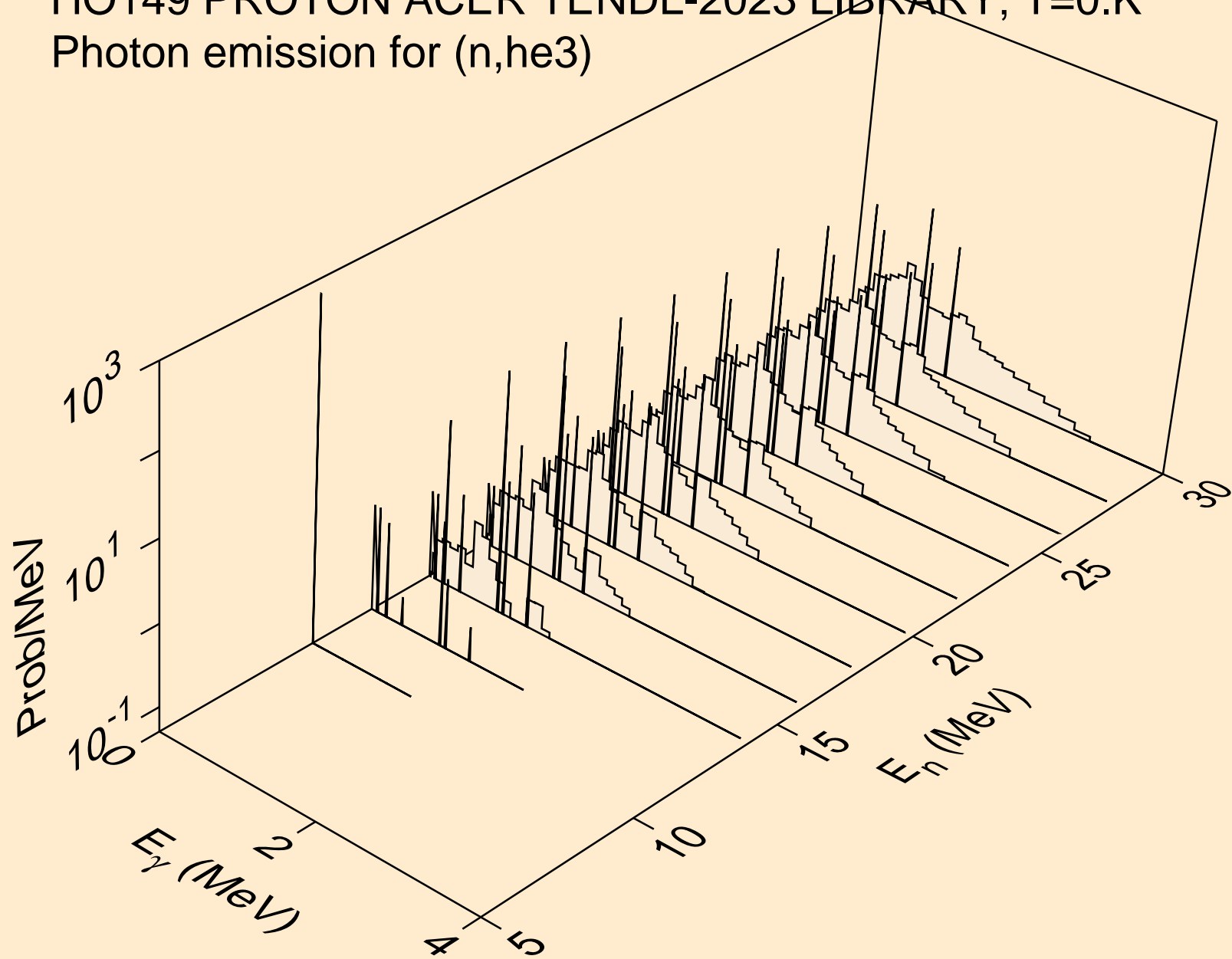
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Photon emission for (n,d)



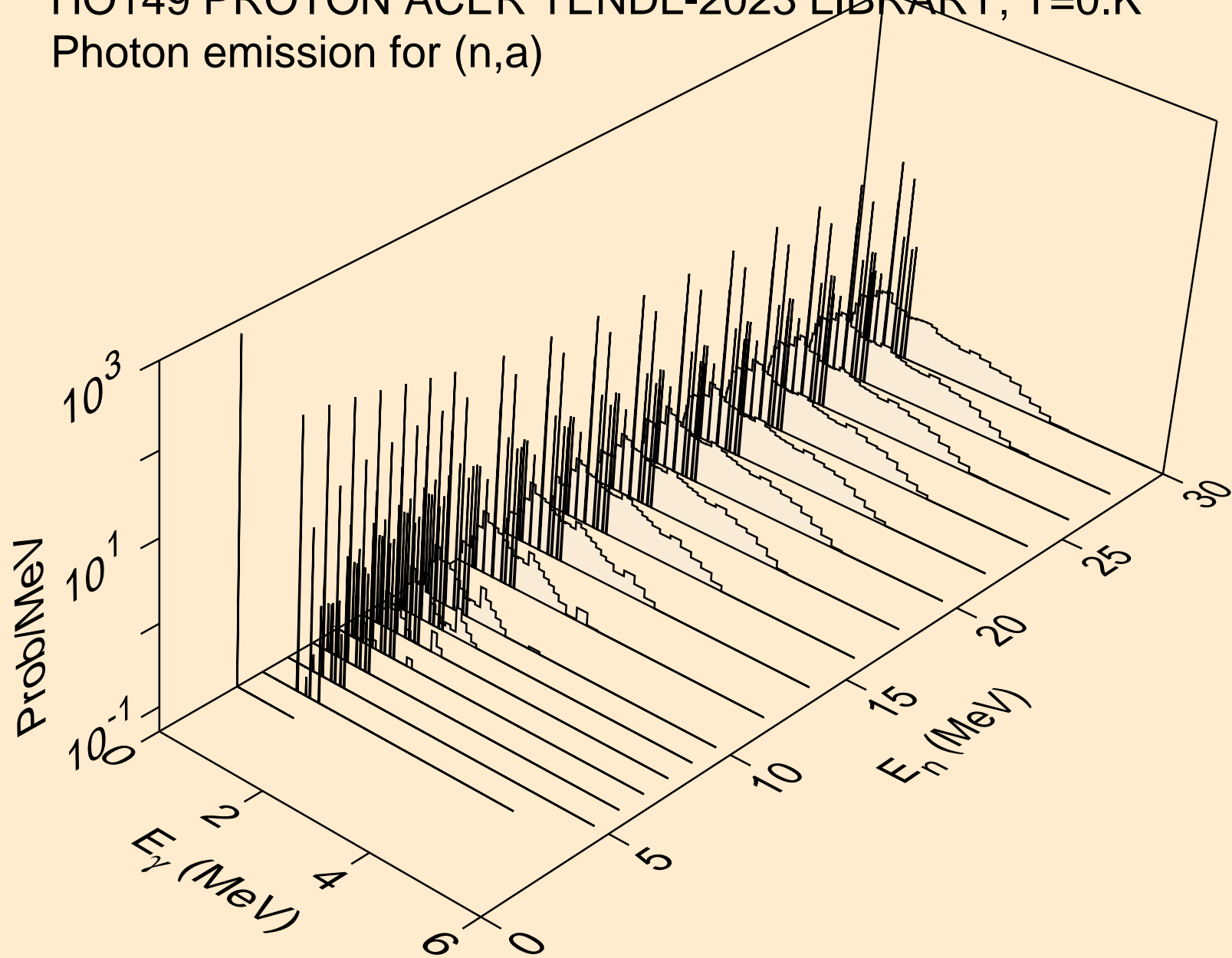
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Photon emission for (n,t)



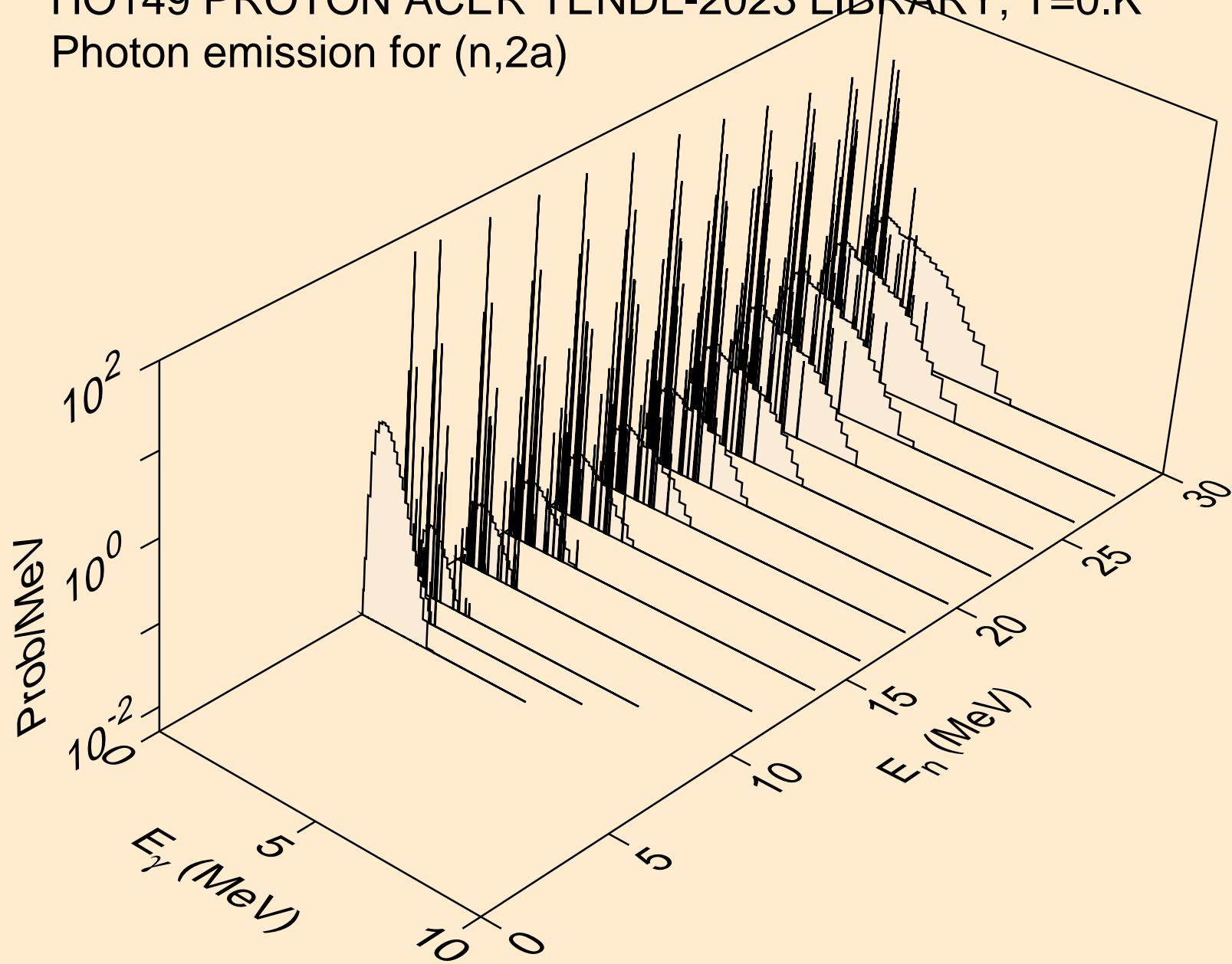
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Photon emission for (n,he3)



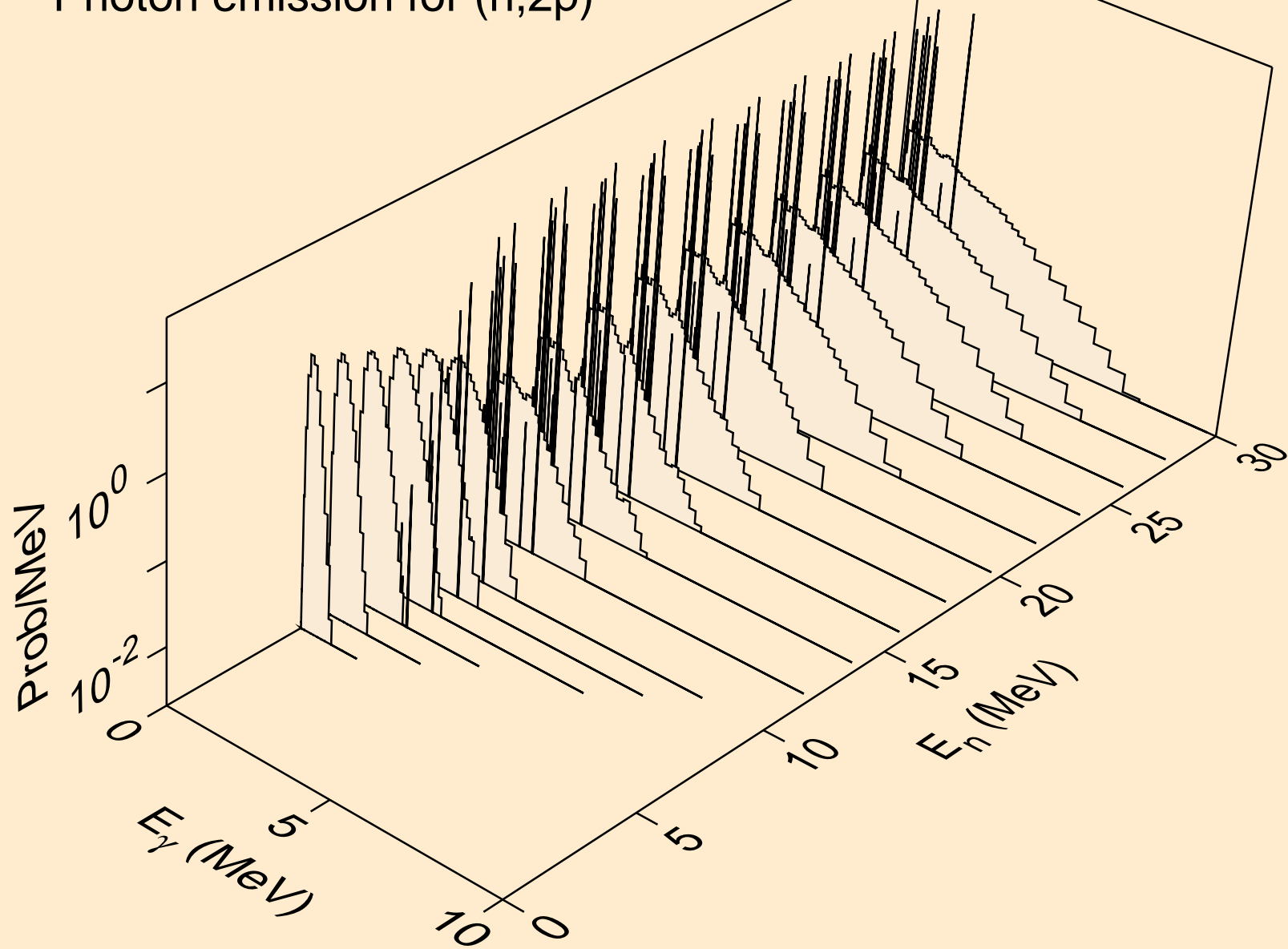
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Photon emission for (n,a)



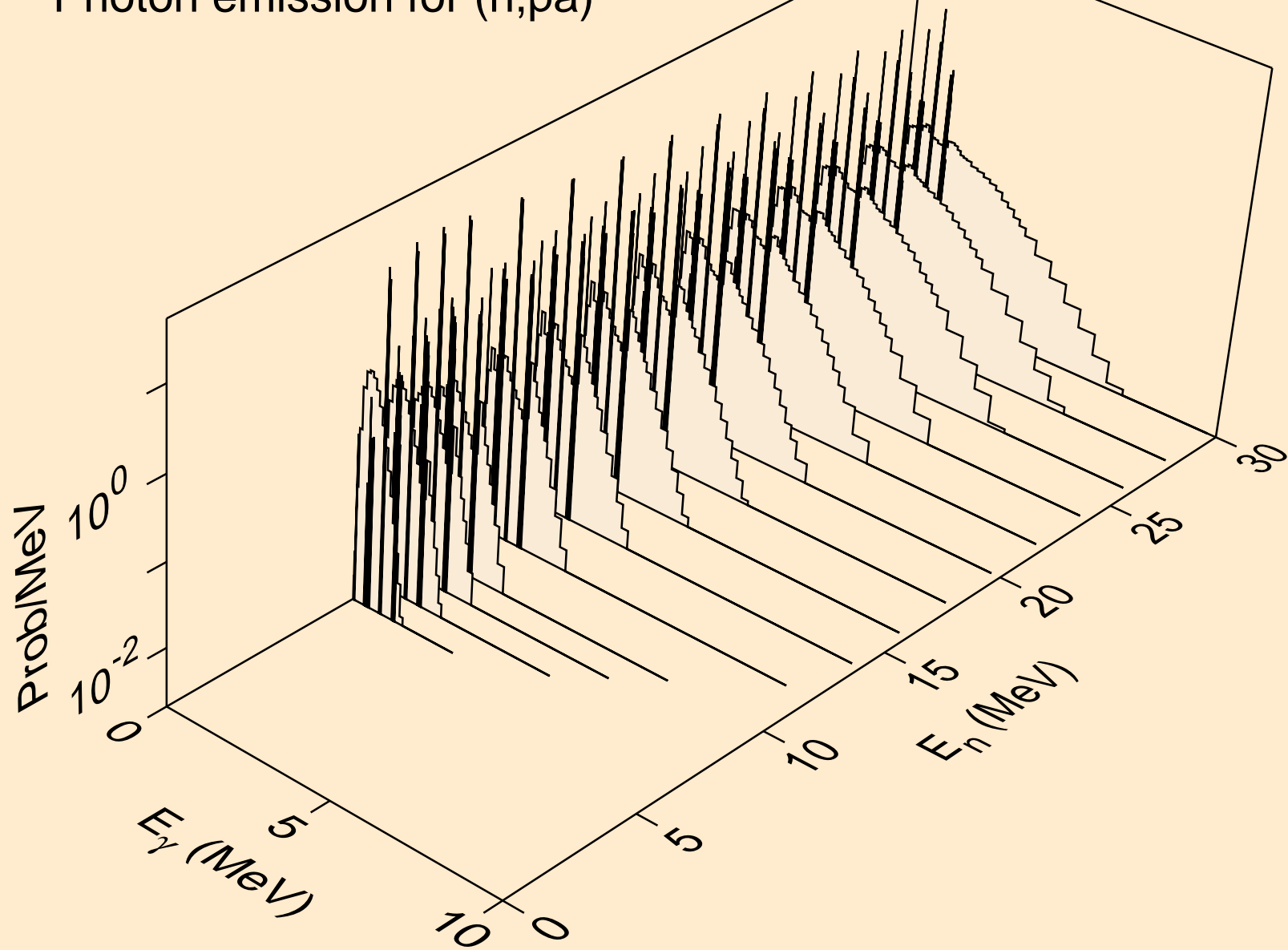
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)

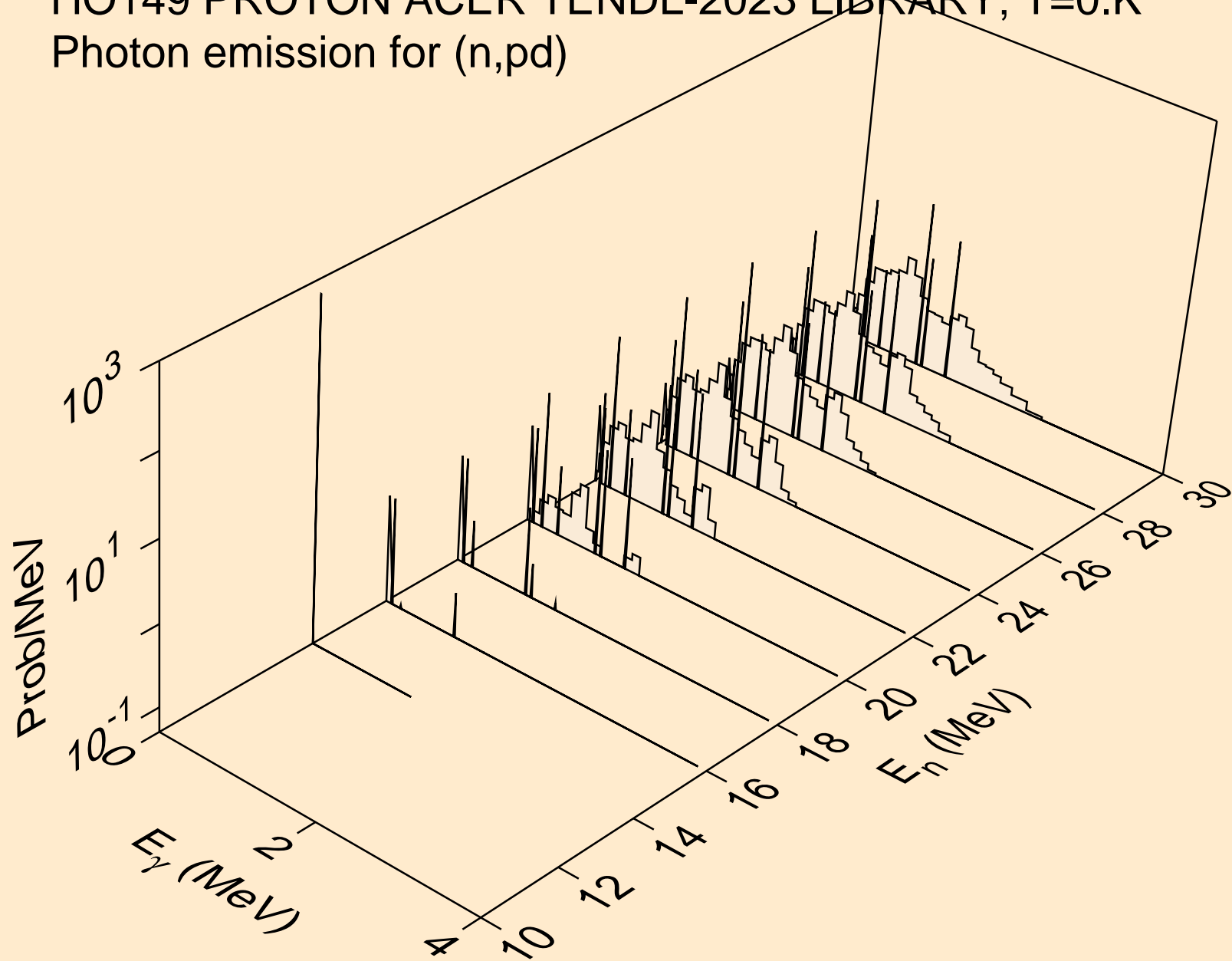


HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)

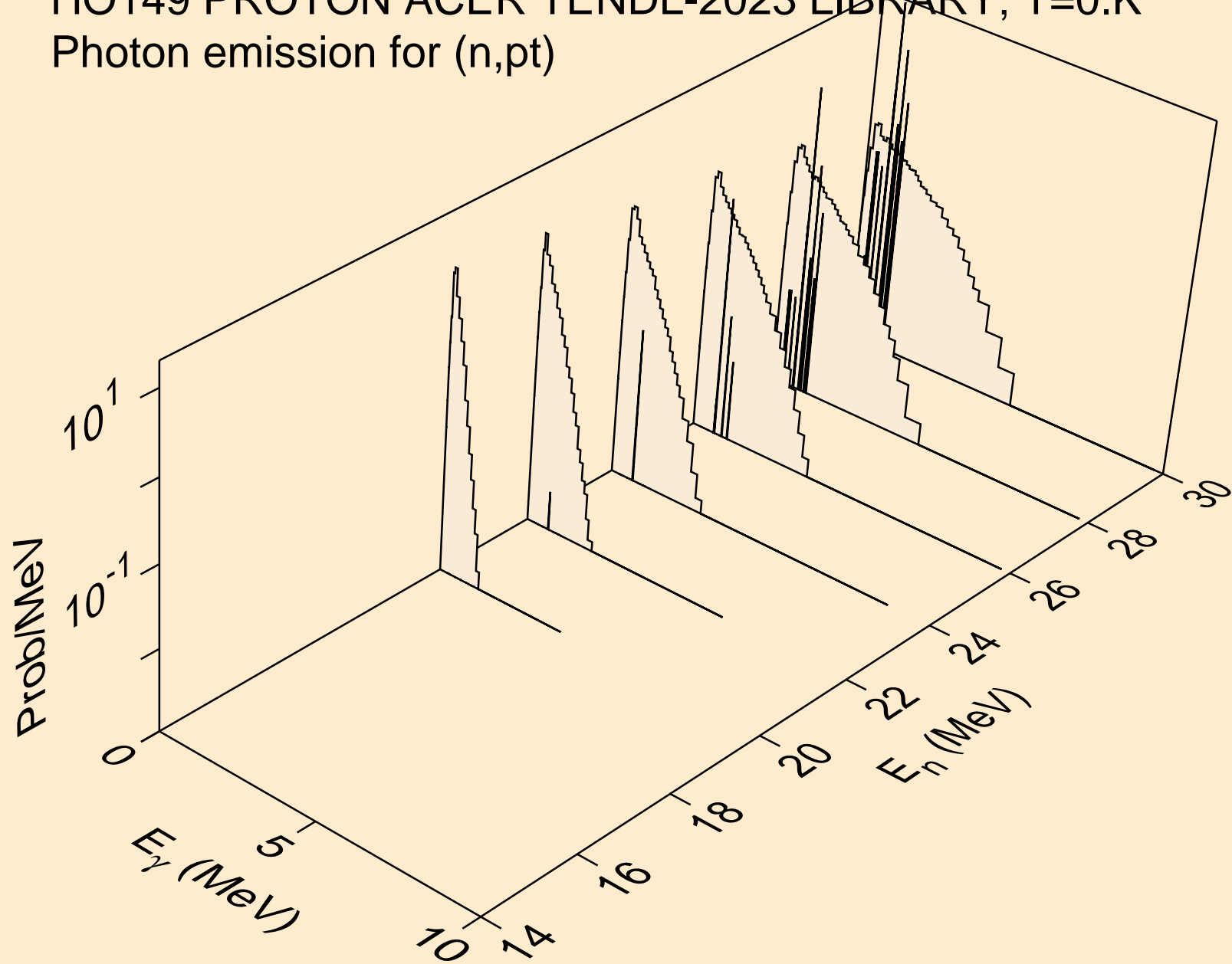




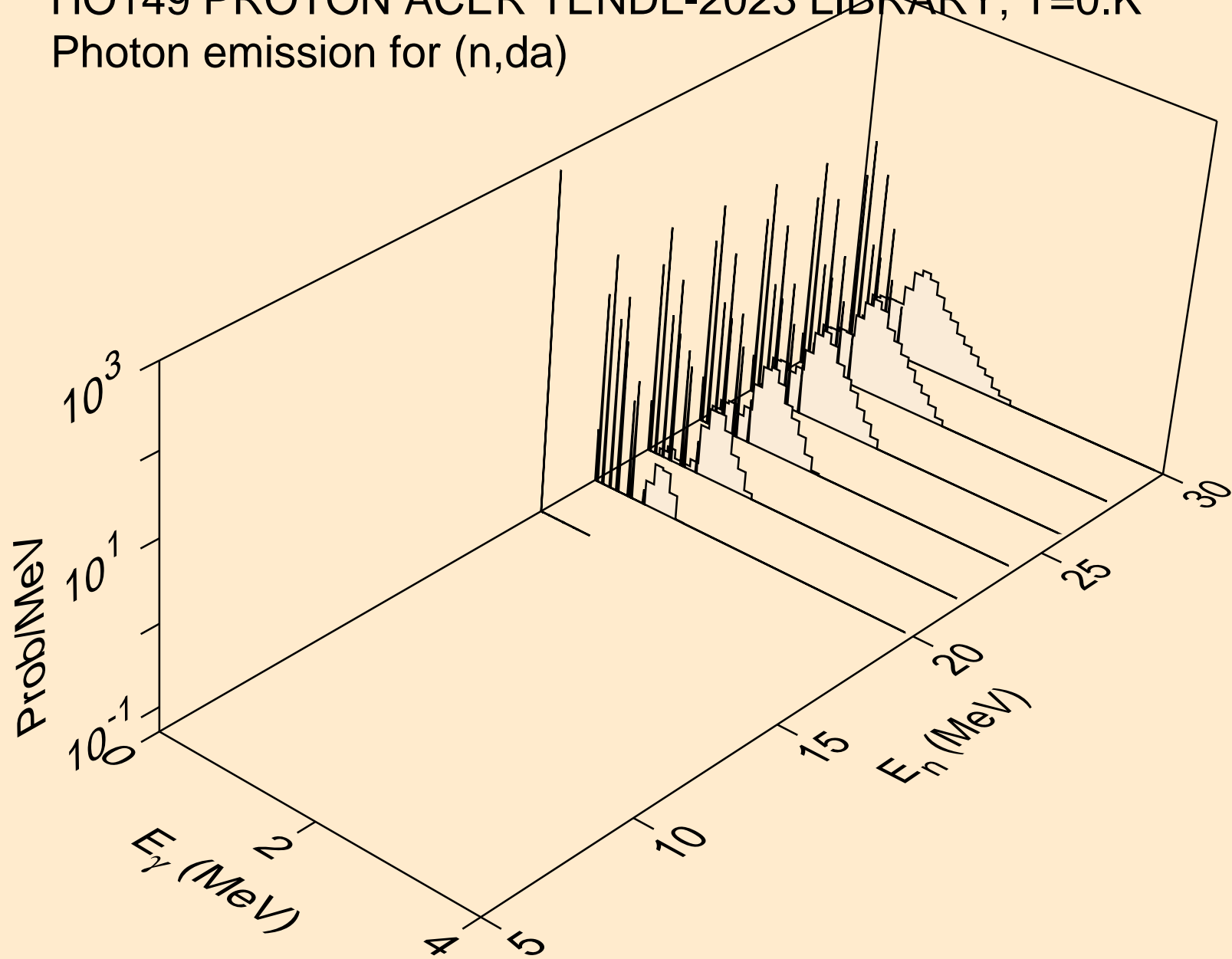
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

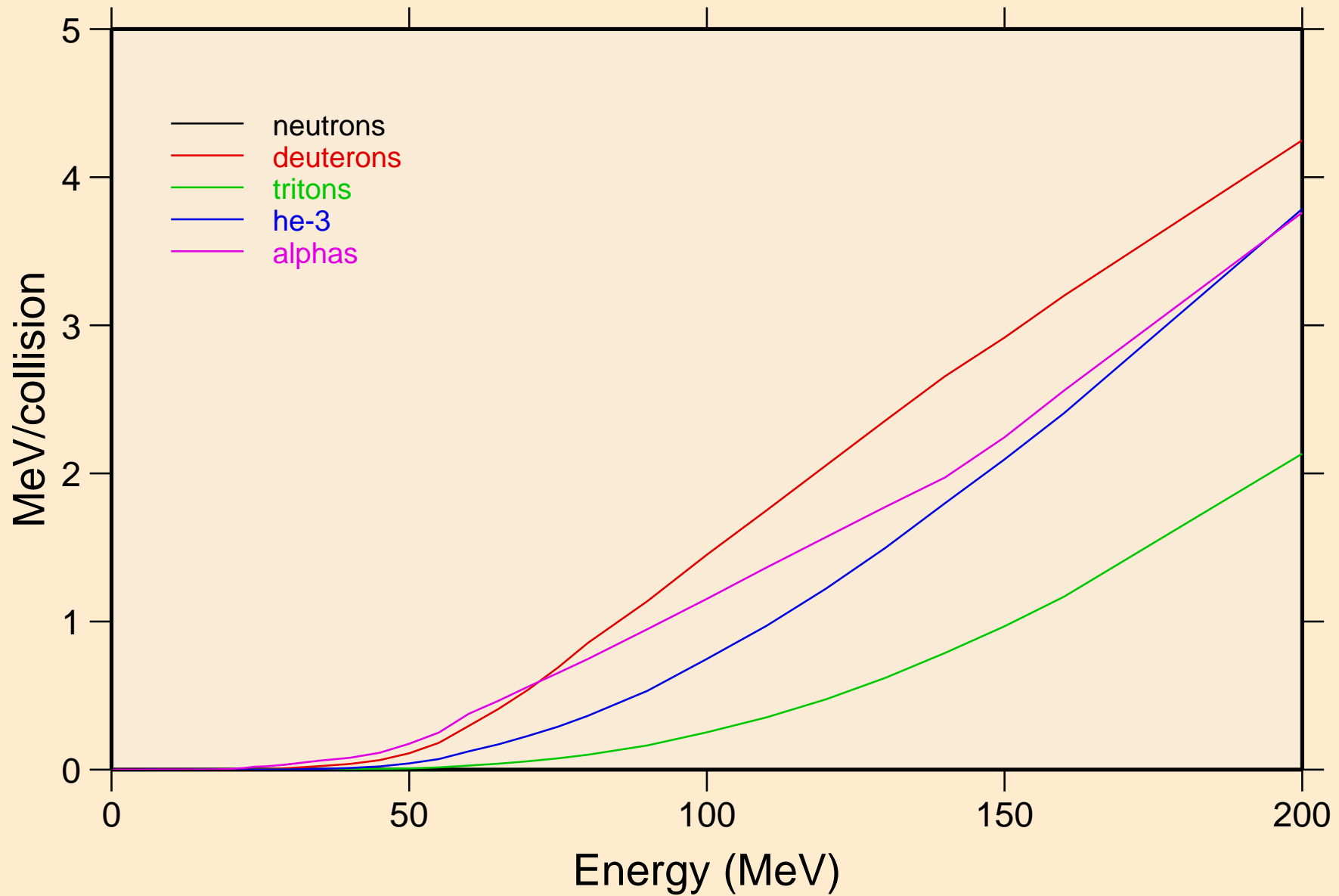


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Photon emission for (n,da)

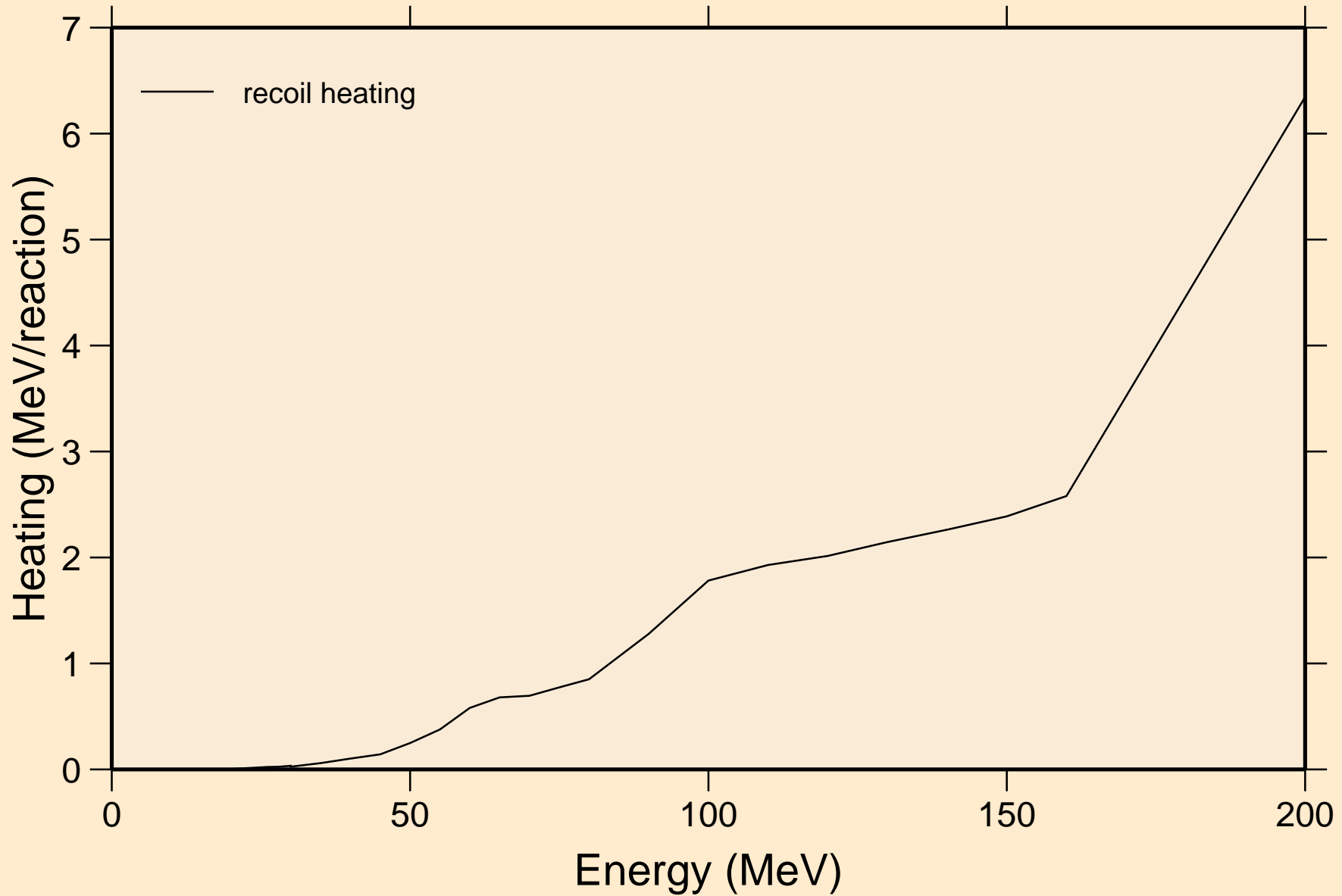


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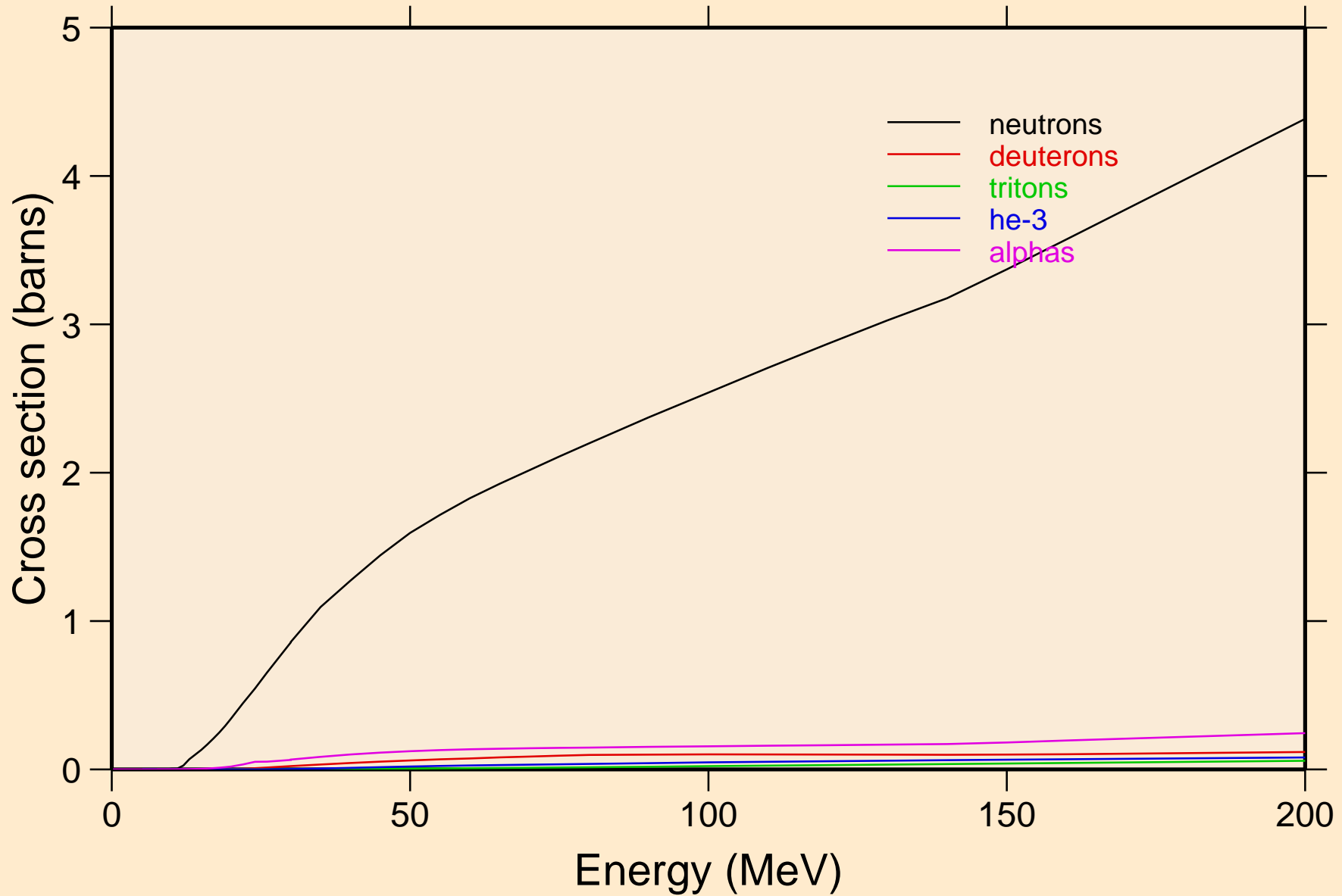
## Particle heating contributions



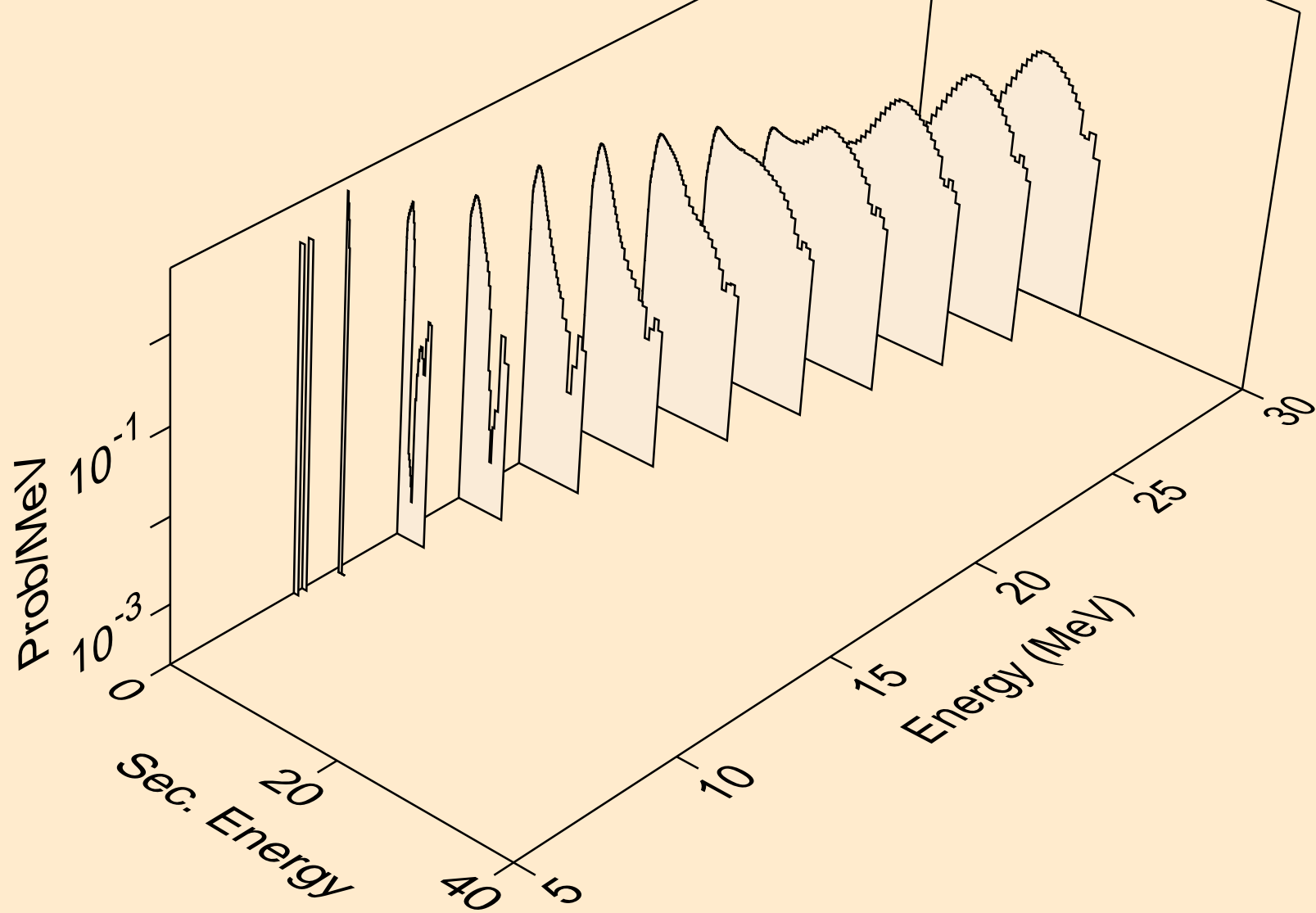
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Recoil Heating



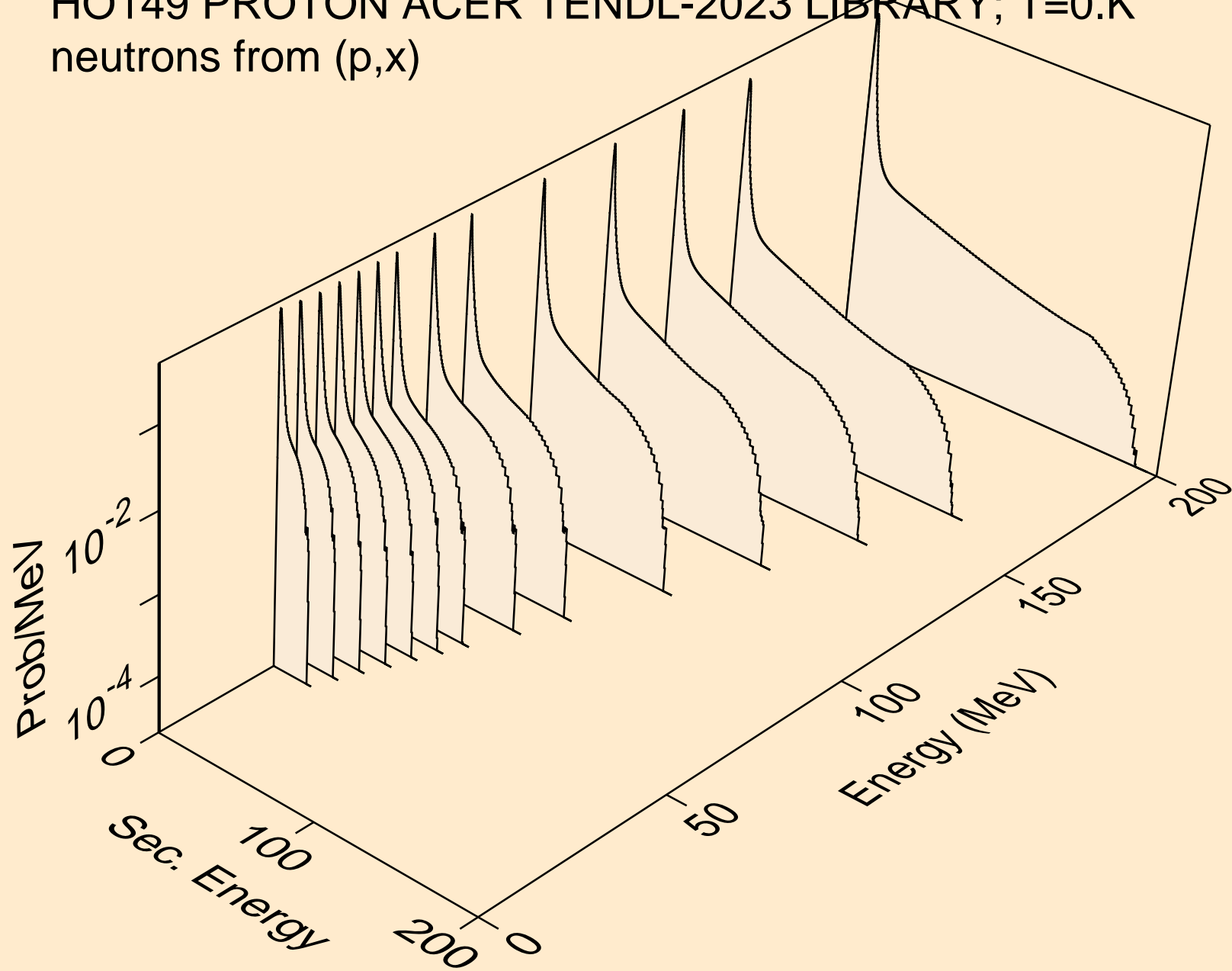
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)

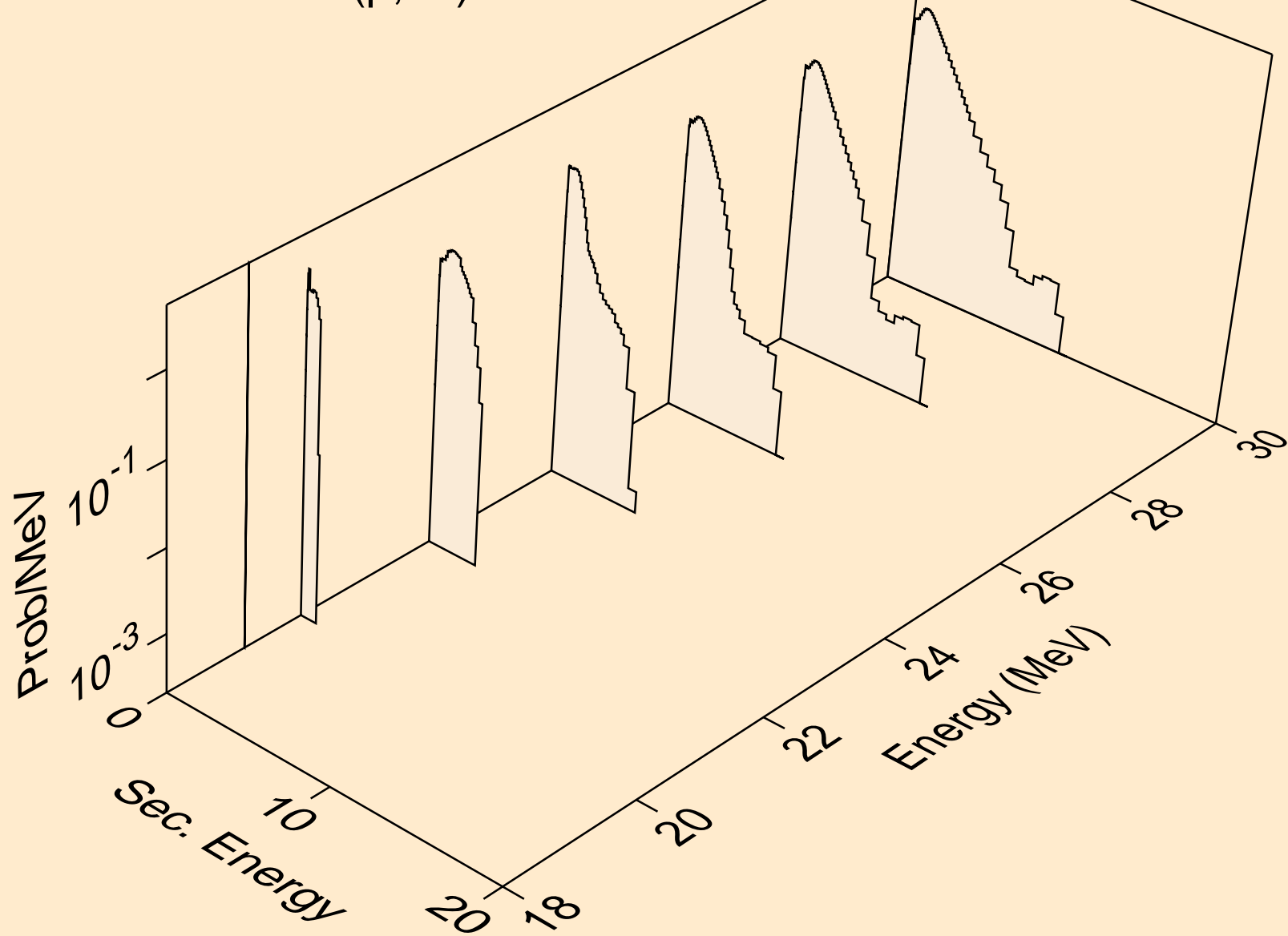


HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)

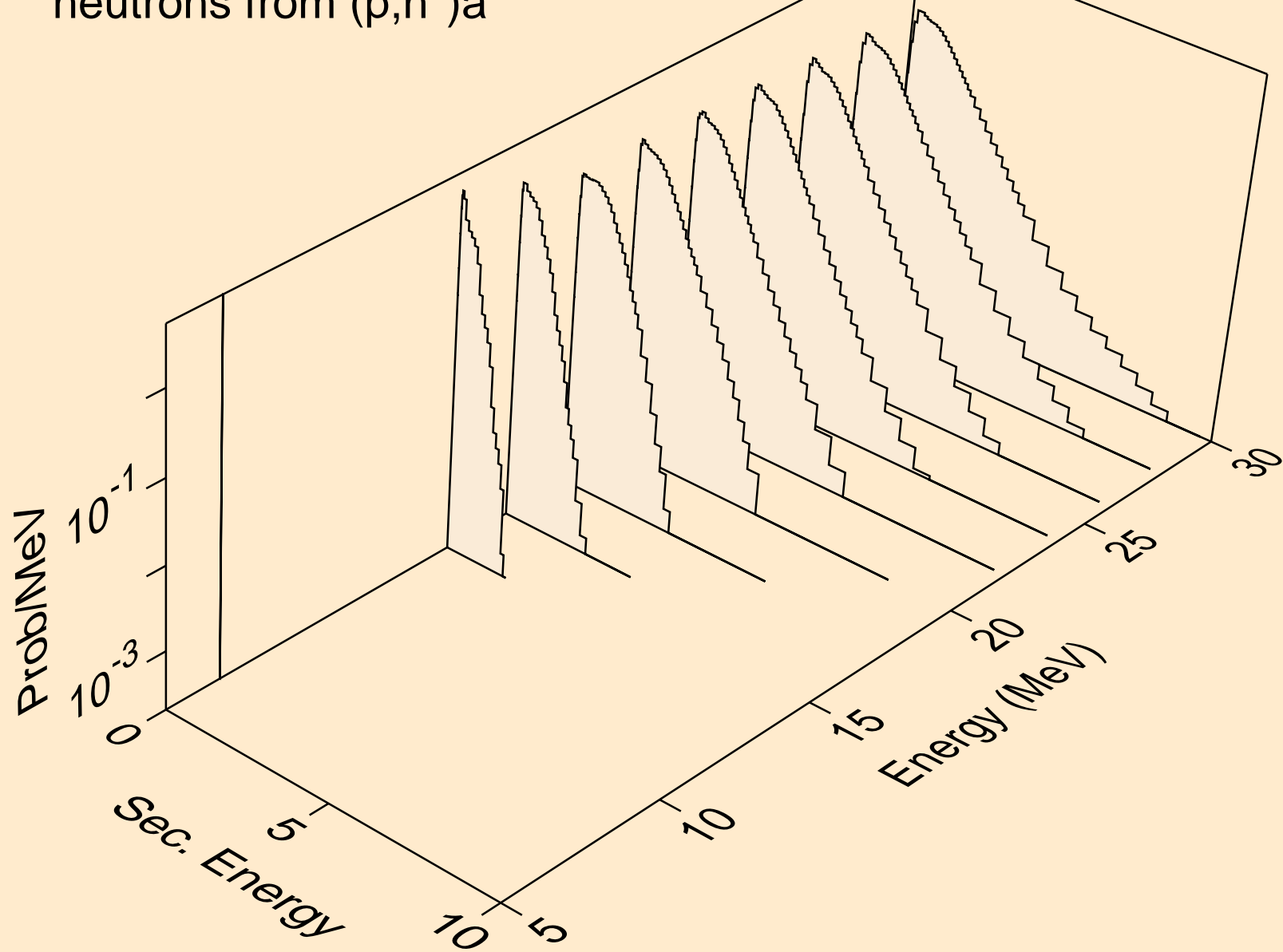




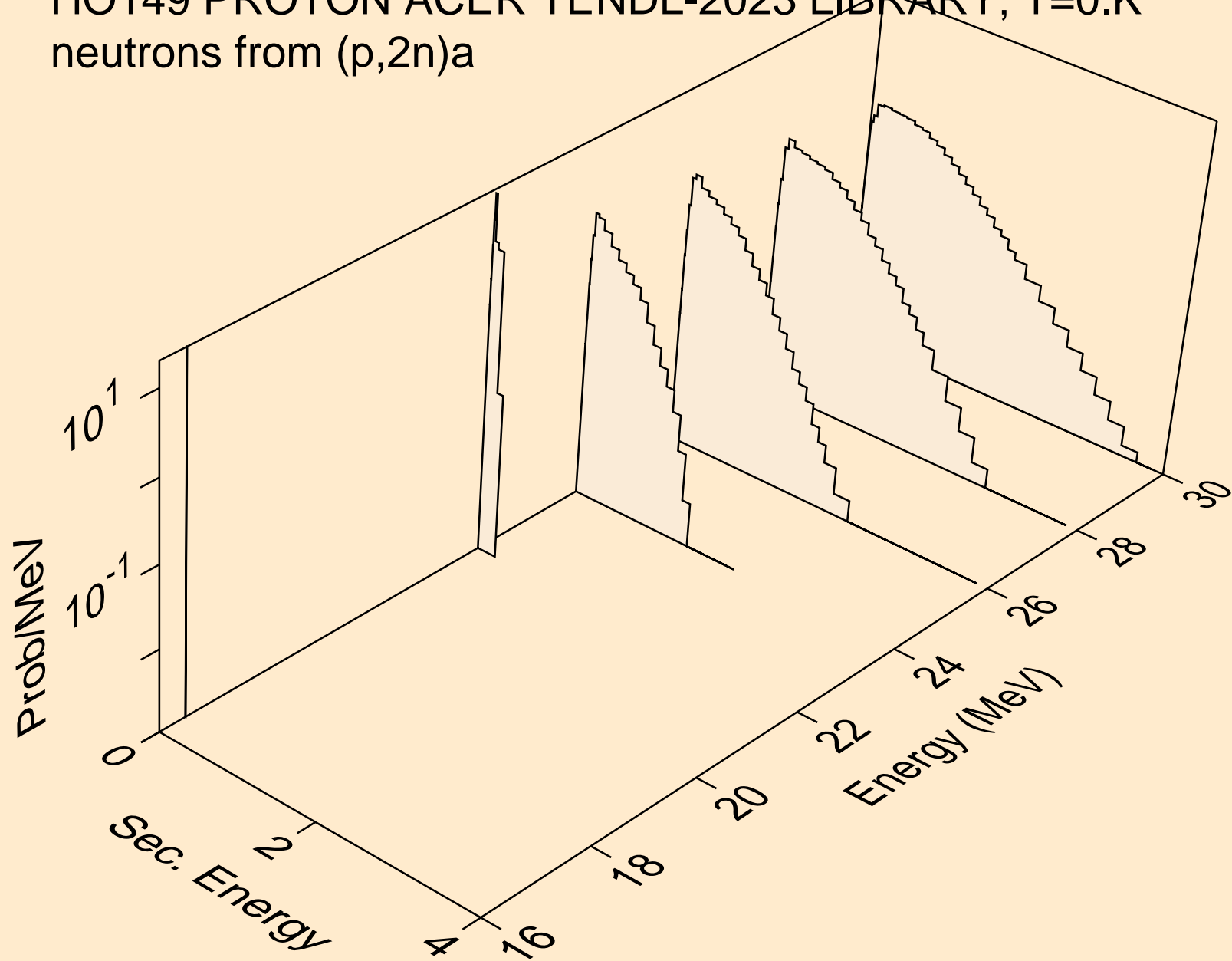
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neutrons from (p,2n)



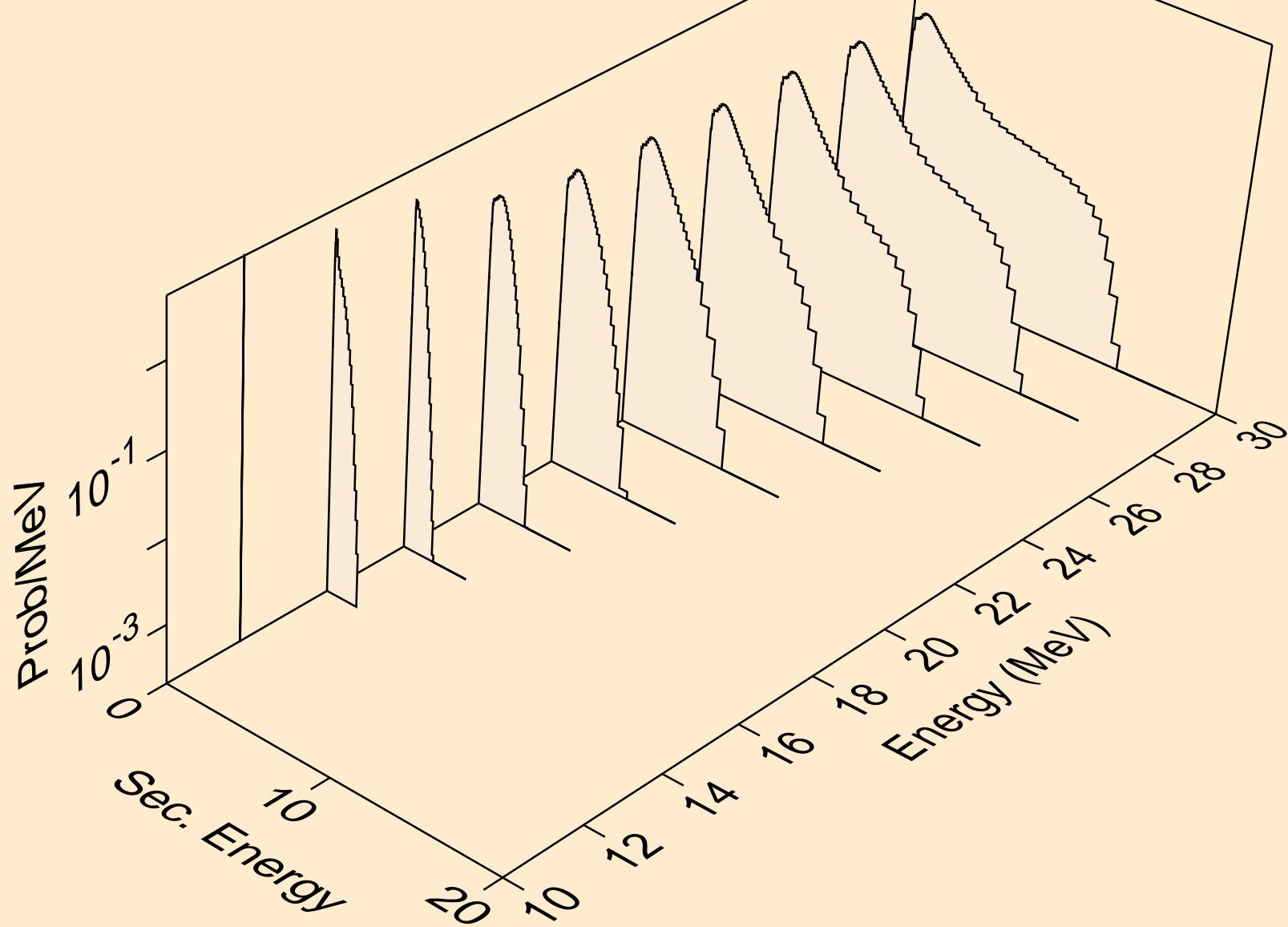
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a



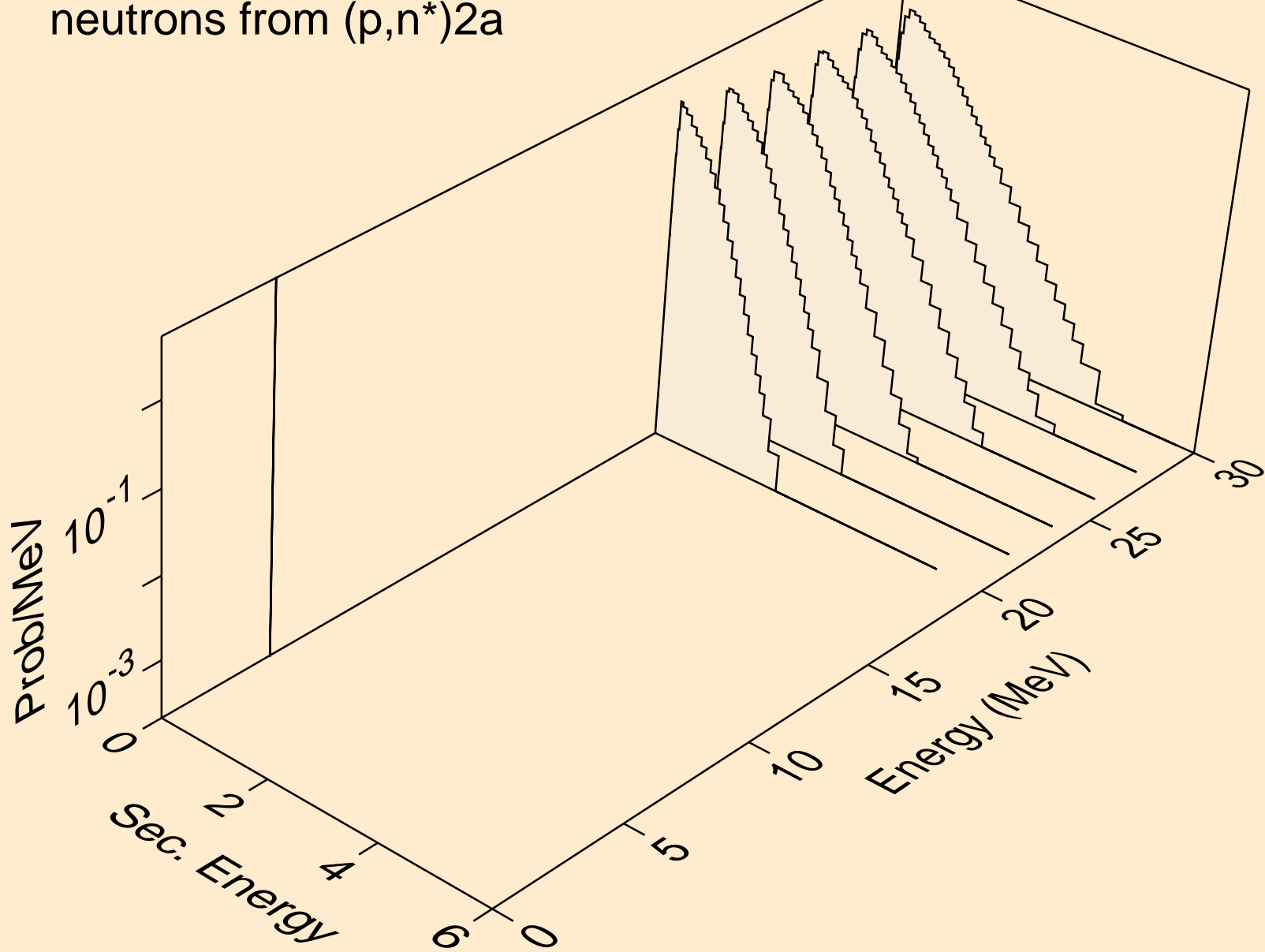
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)a



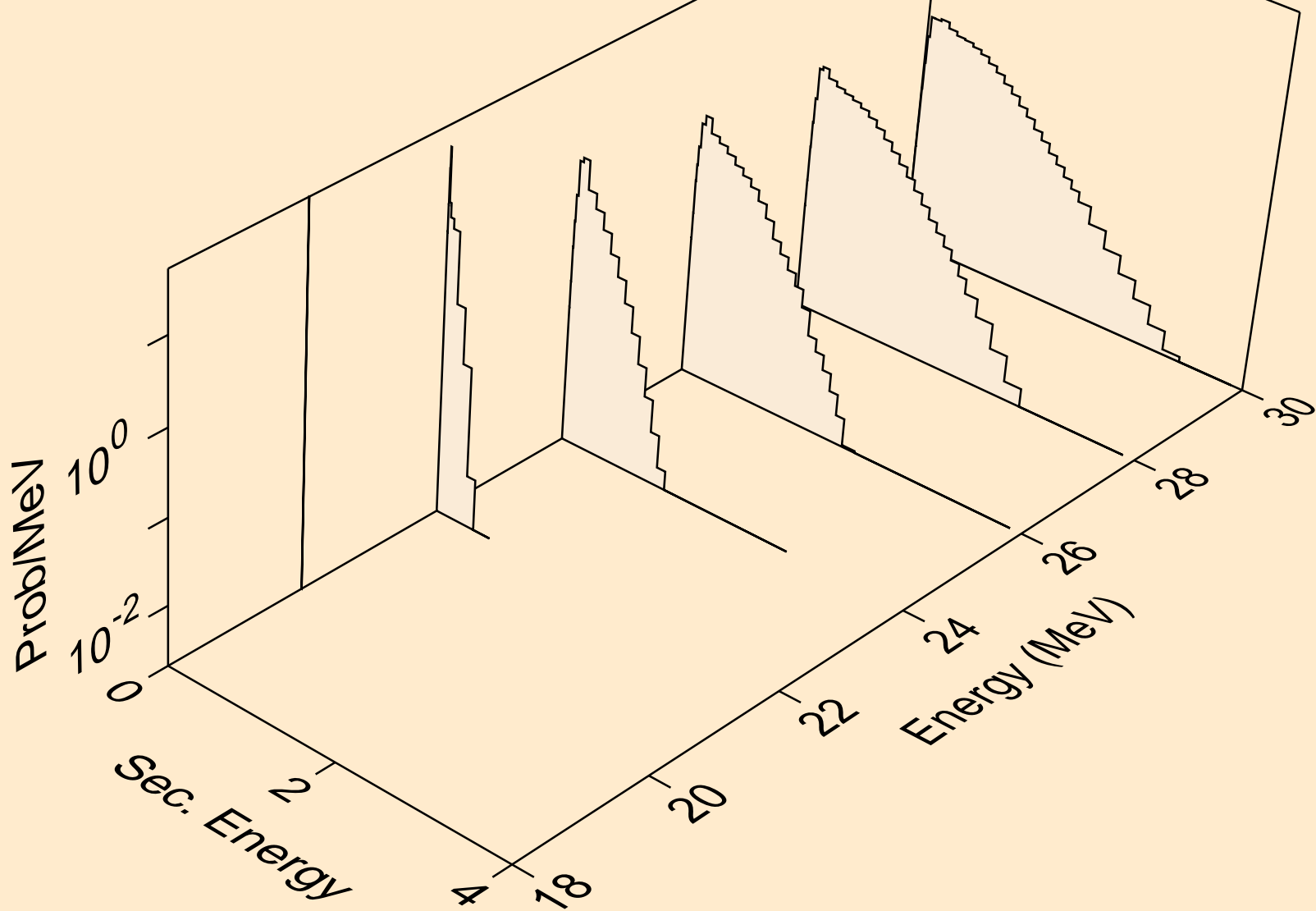
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)p



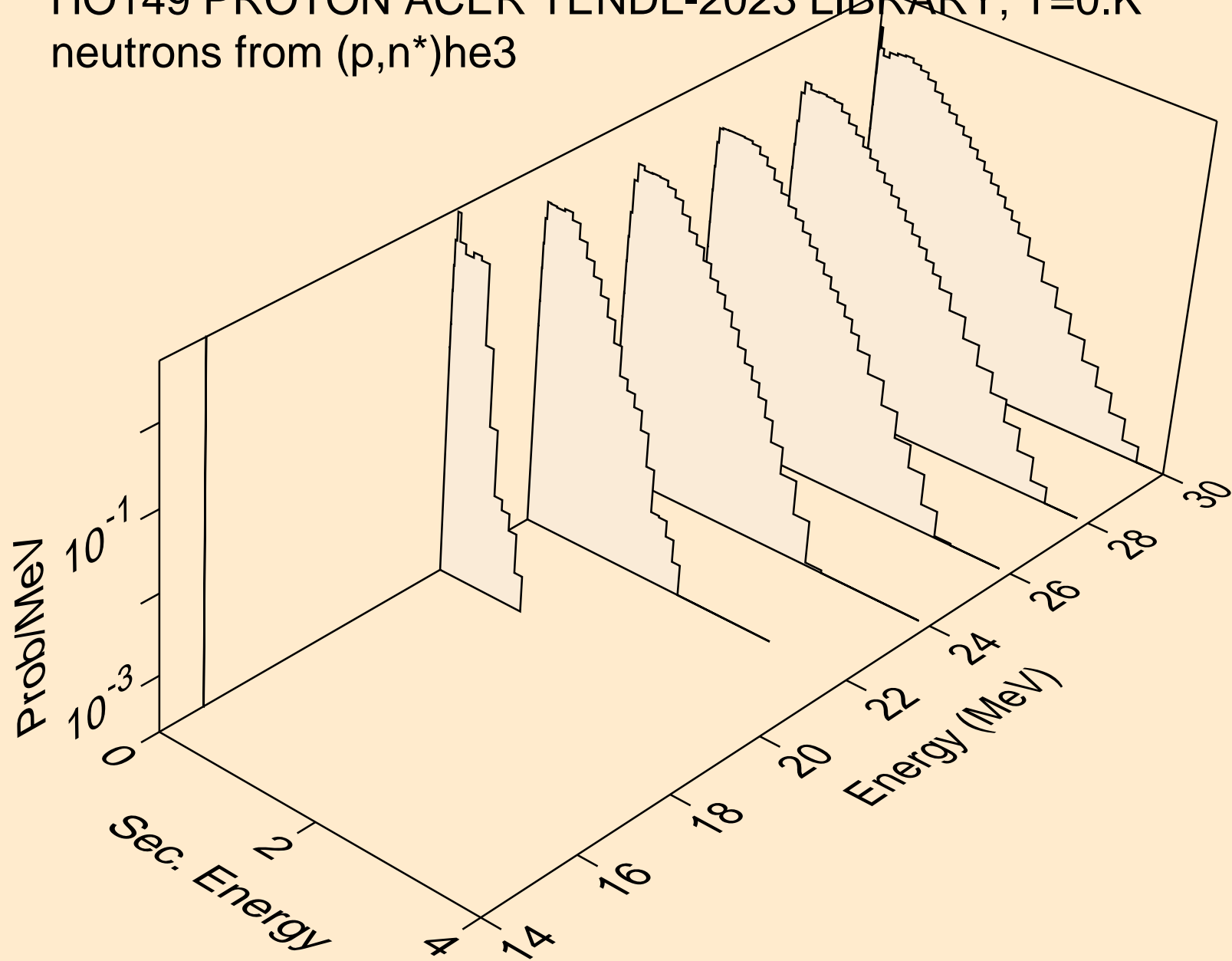
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neutrons from (p,n\*)2a



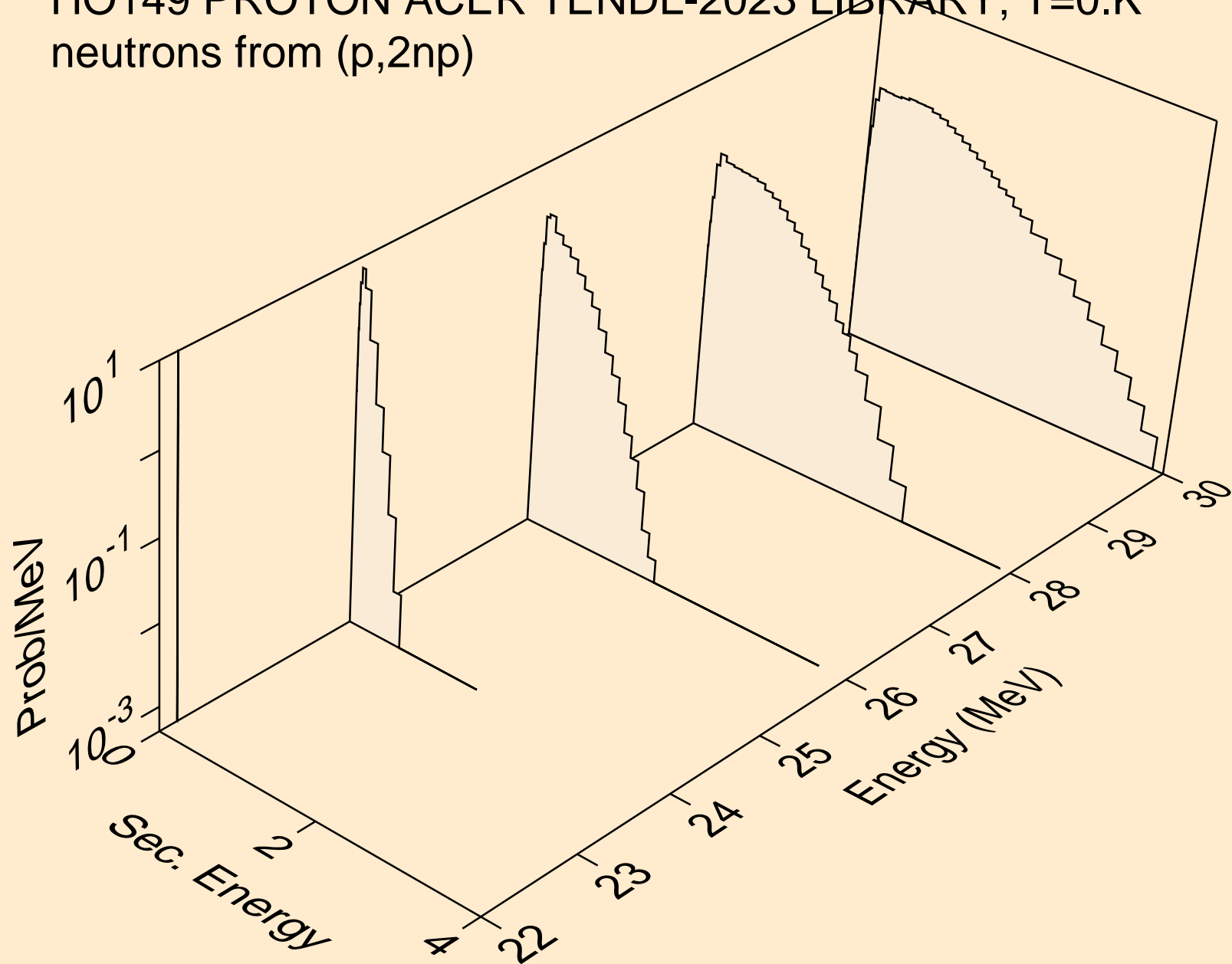
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)d



HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3

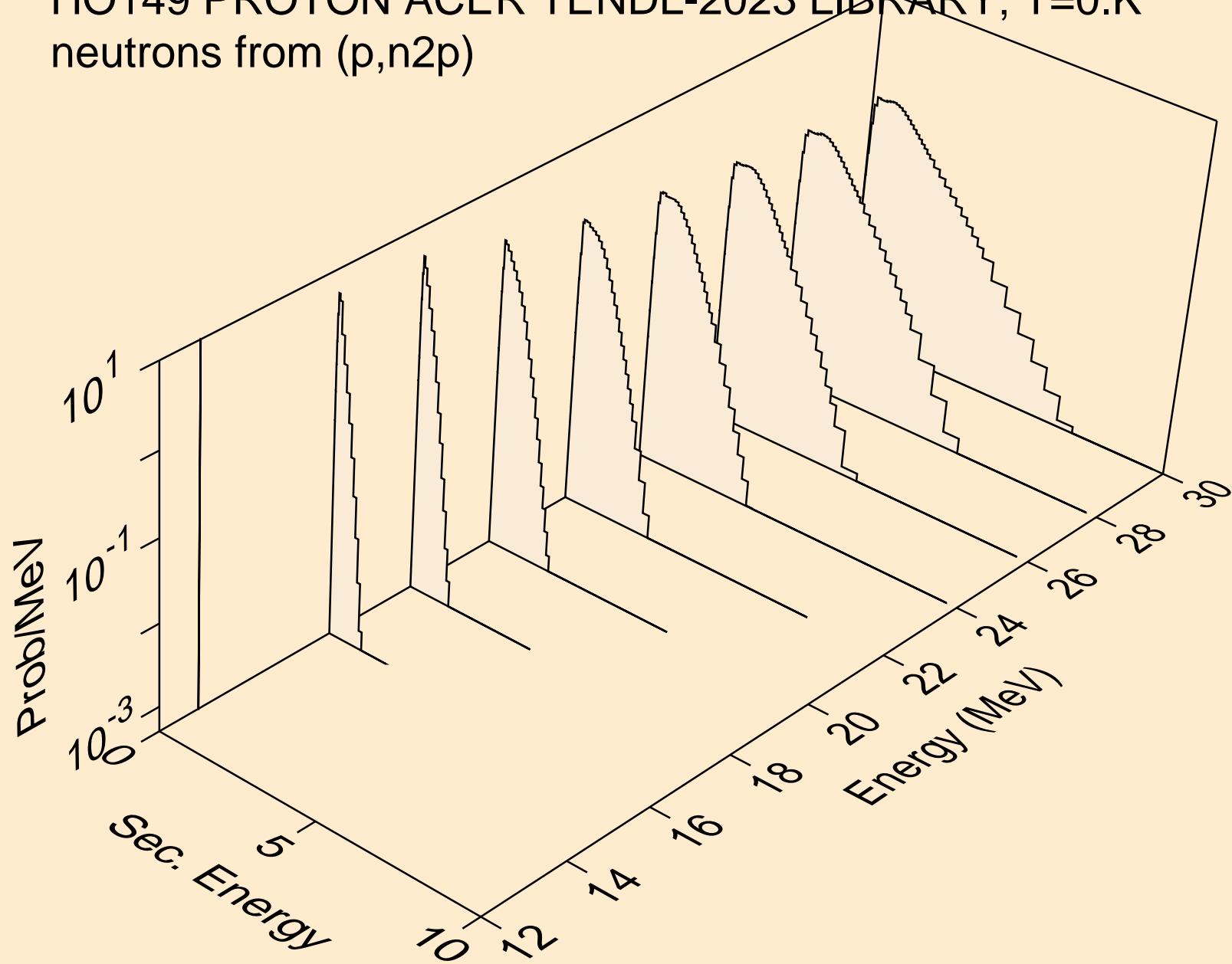


HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2np)

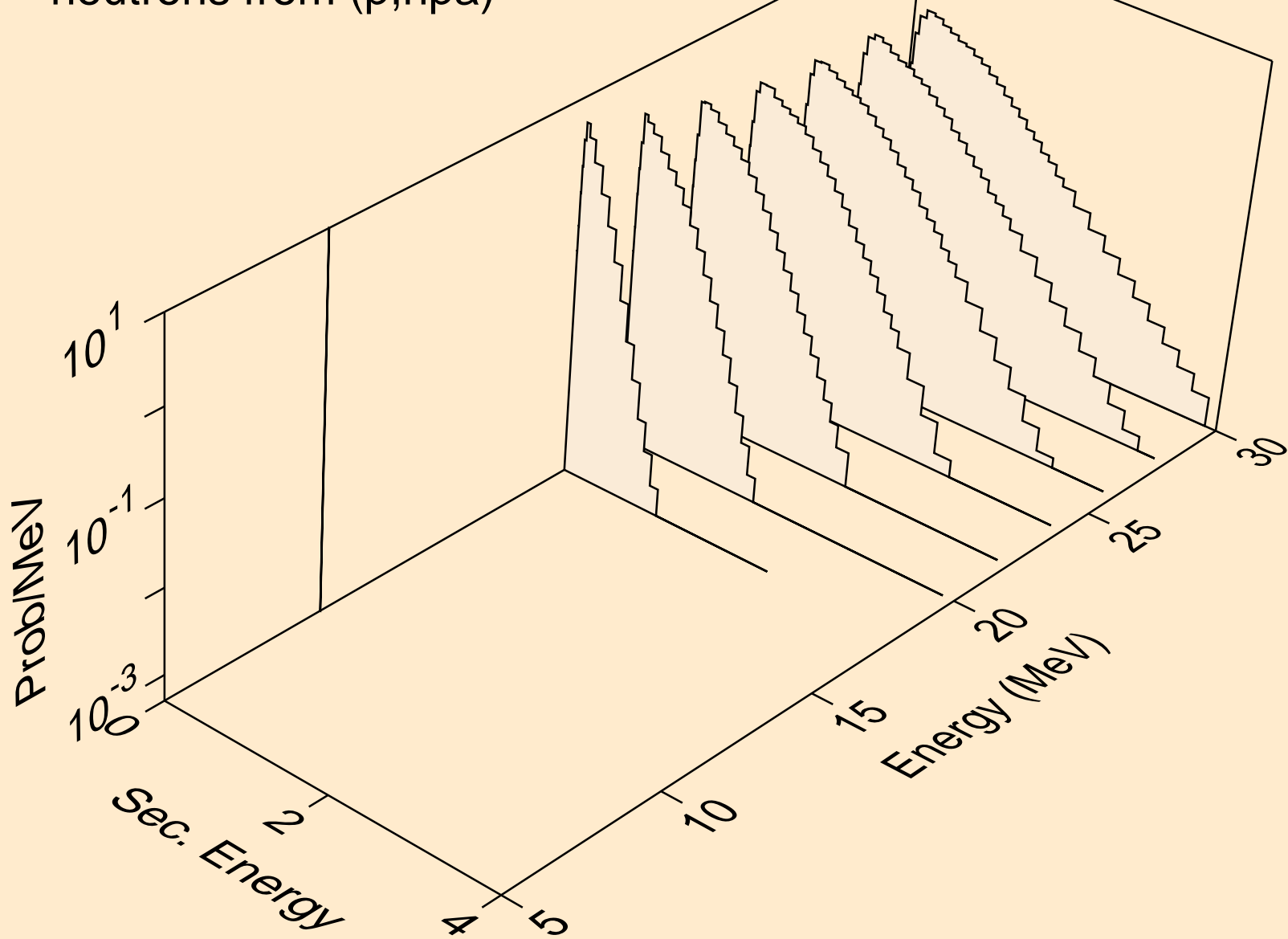




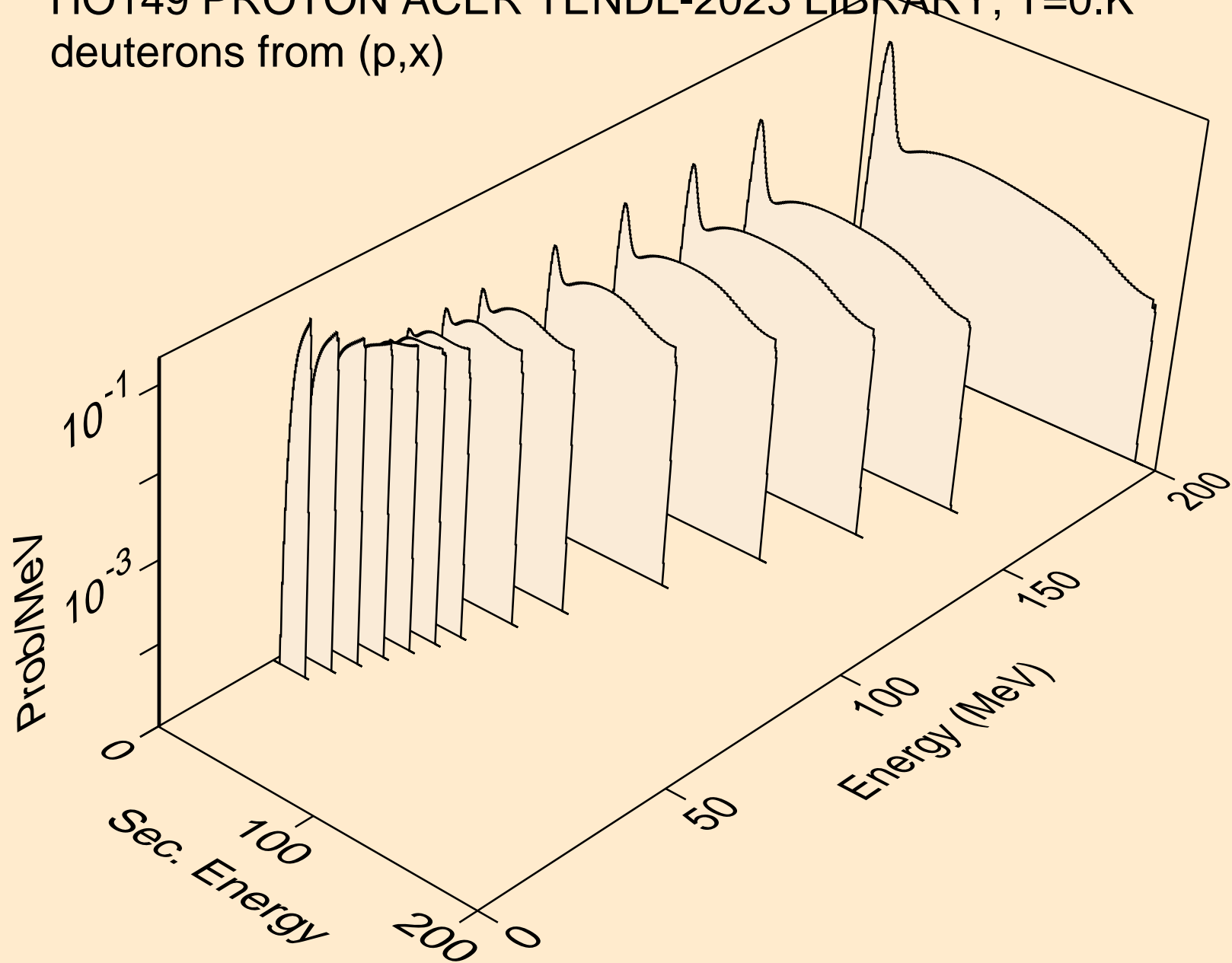
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neutrons from (p,n2p)



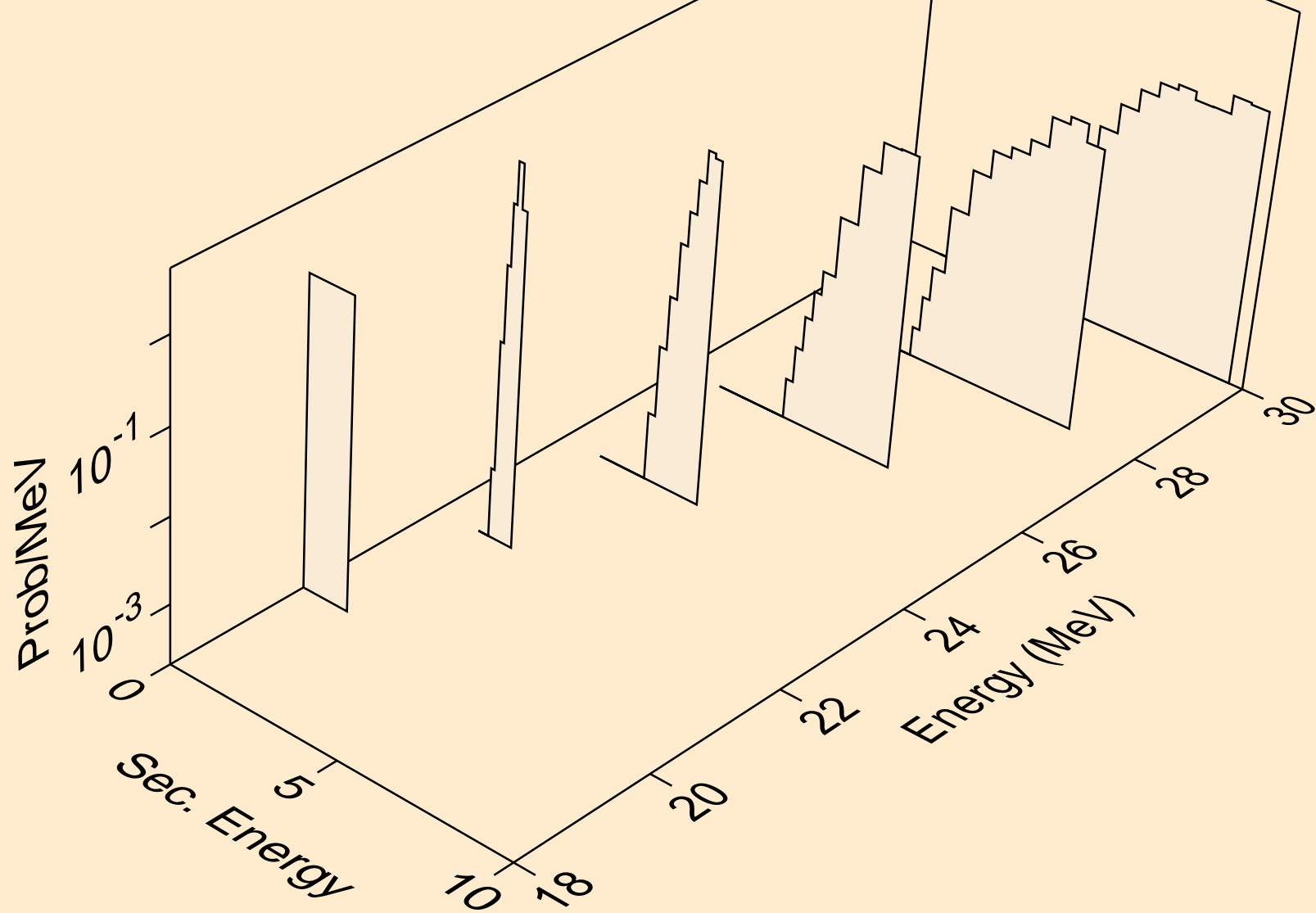
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neutrons from (p,npa)



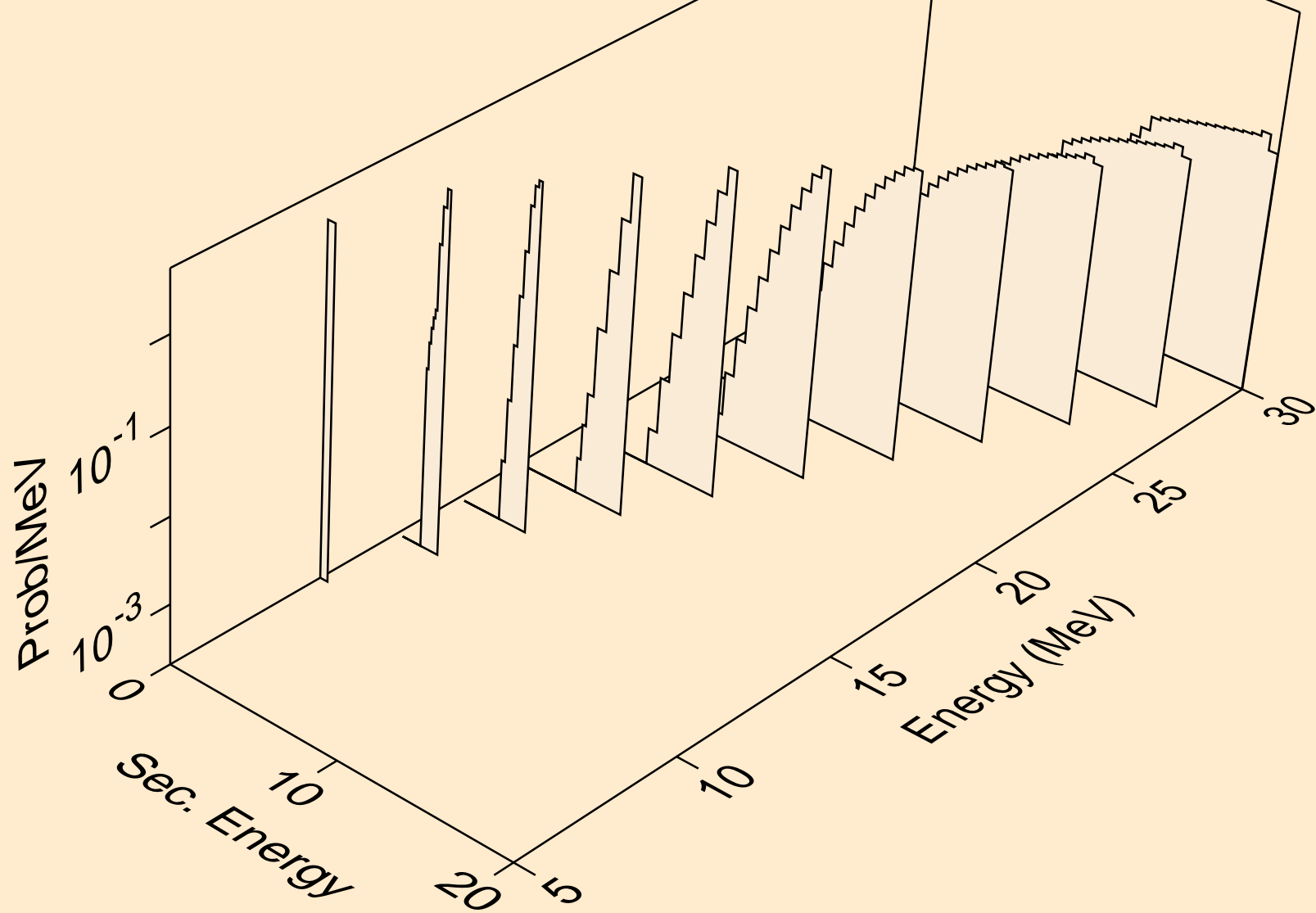
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,x)



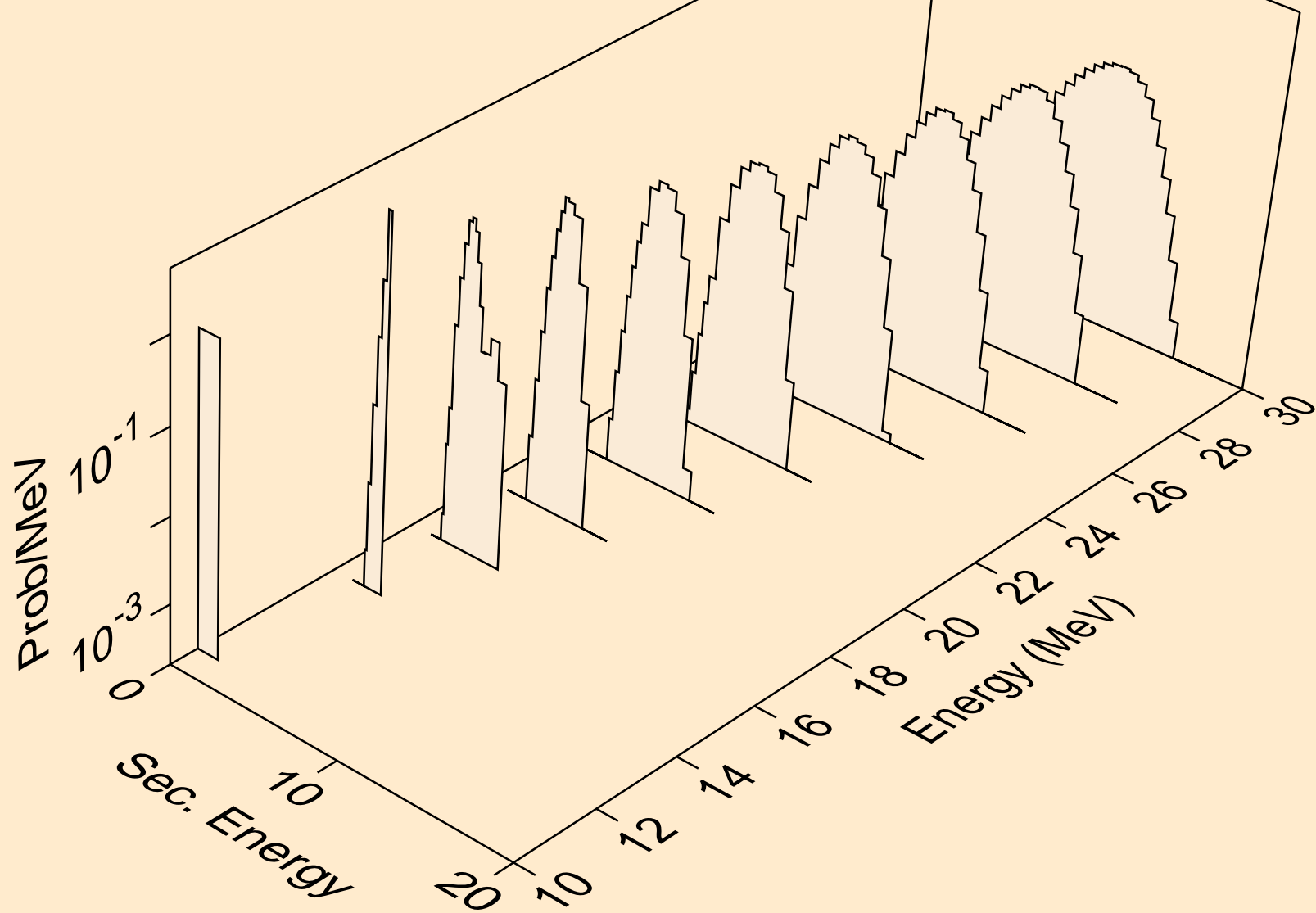
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deuterons from (p,n\*)d



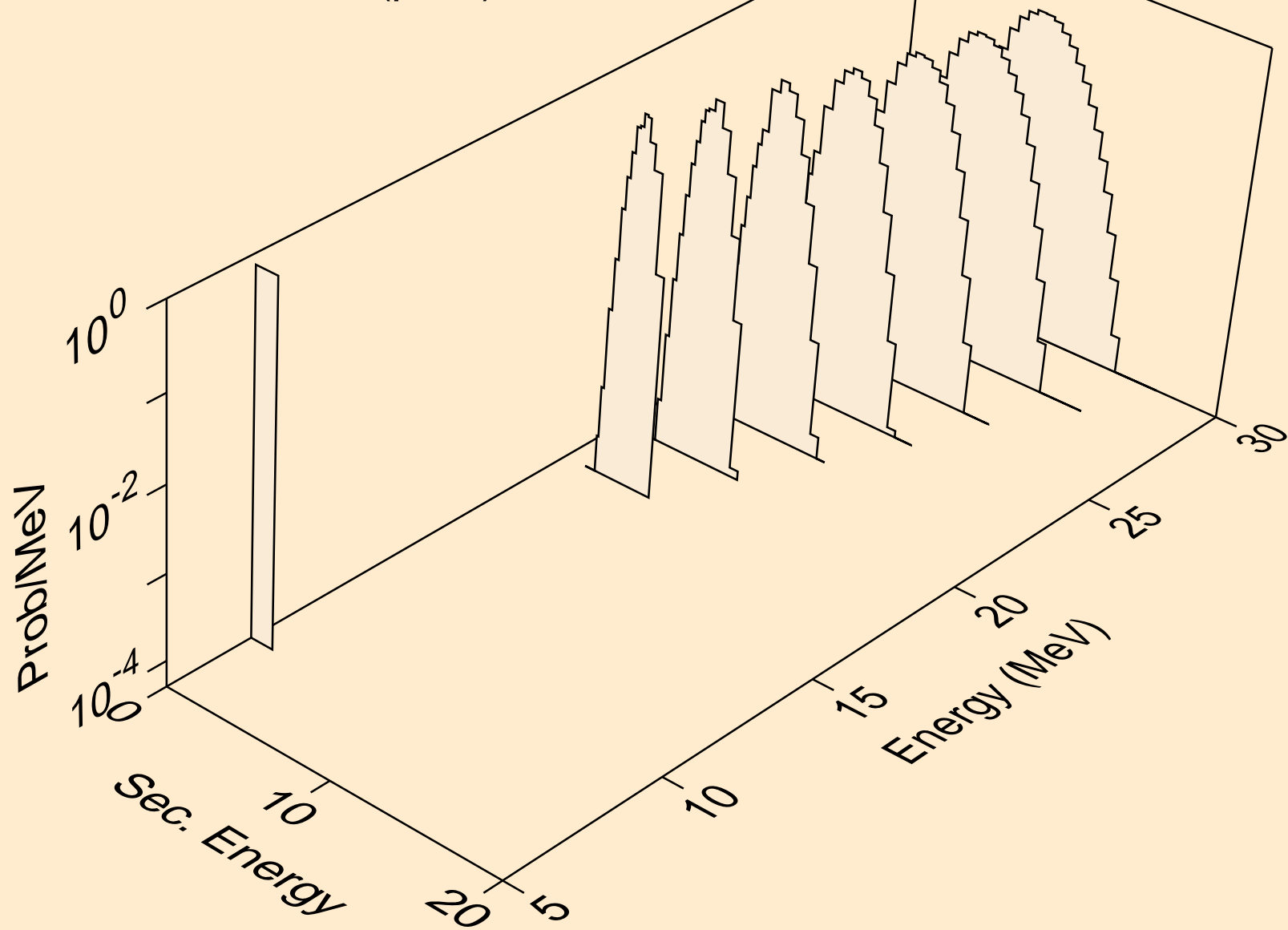
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,d)



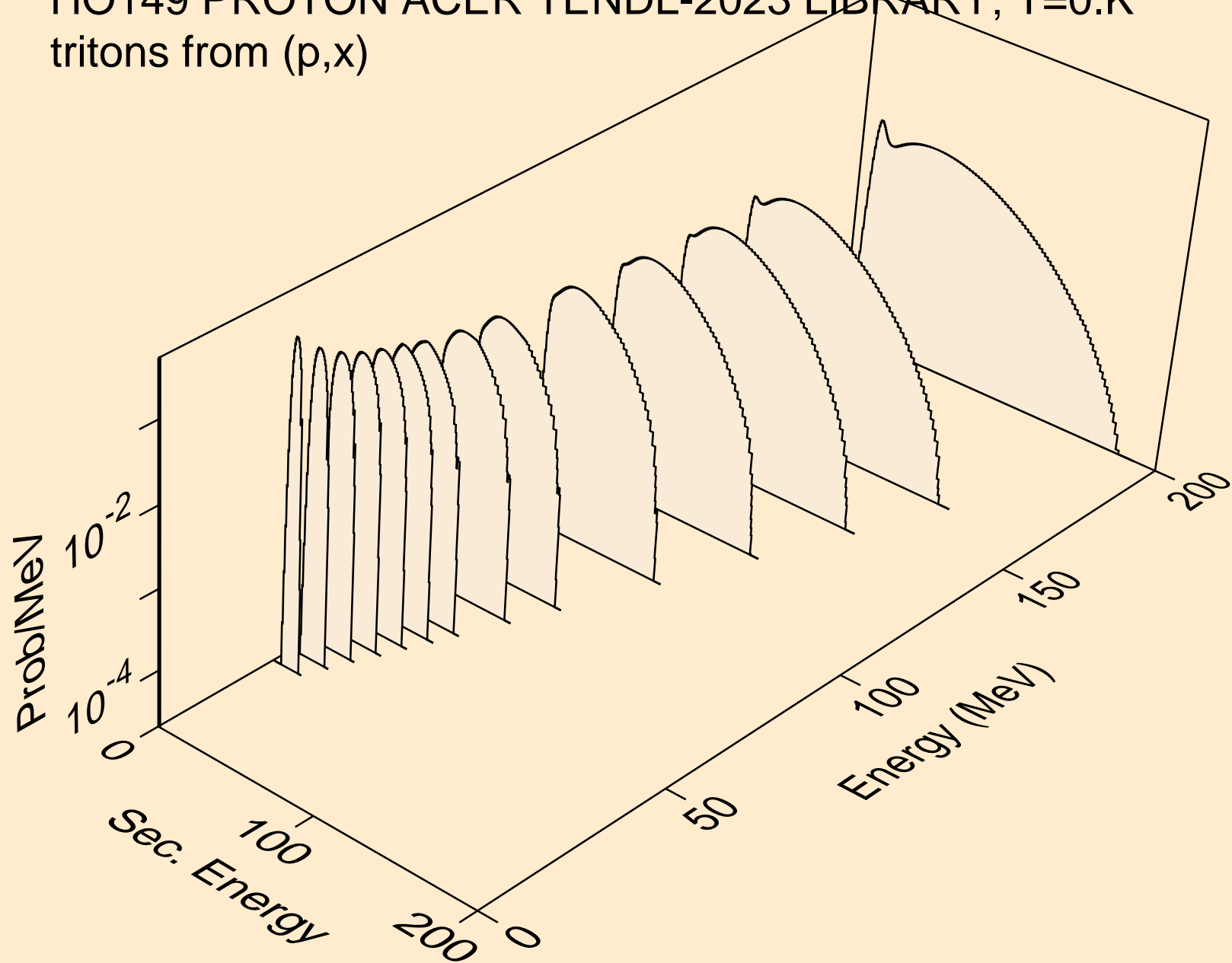
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,pd)



HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,da)

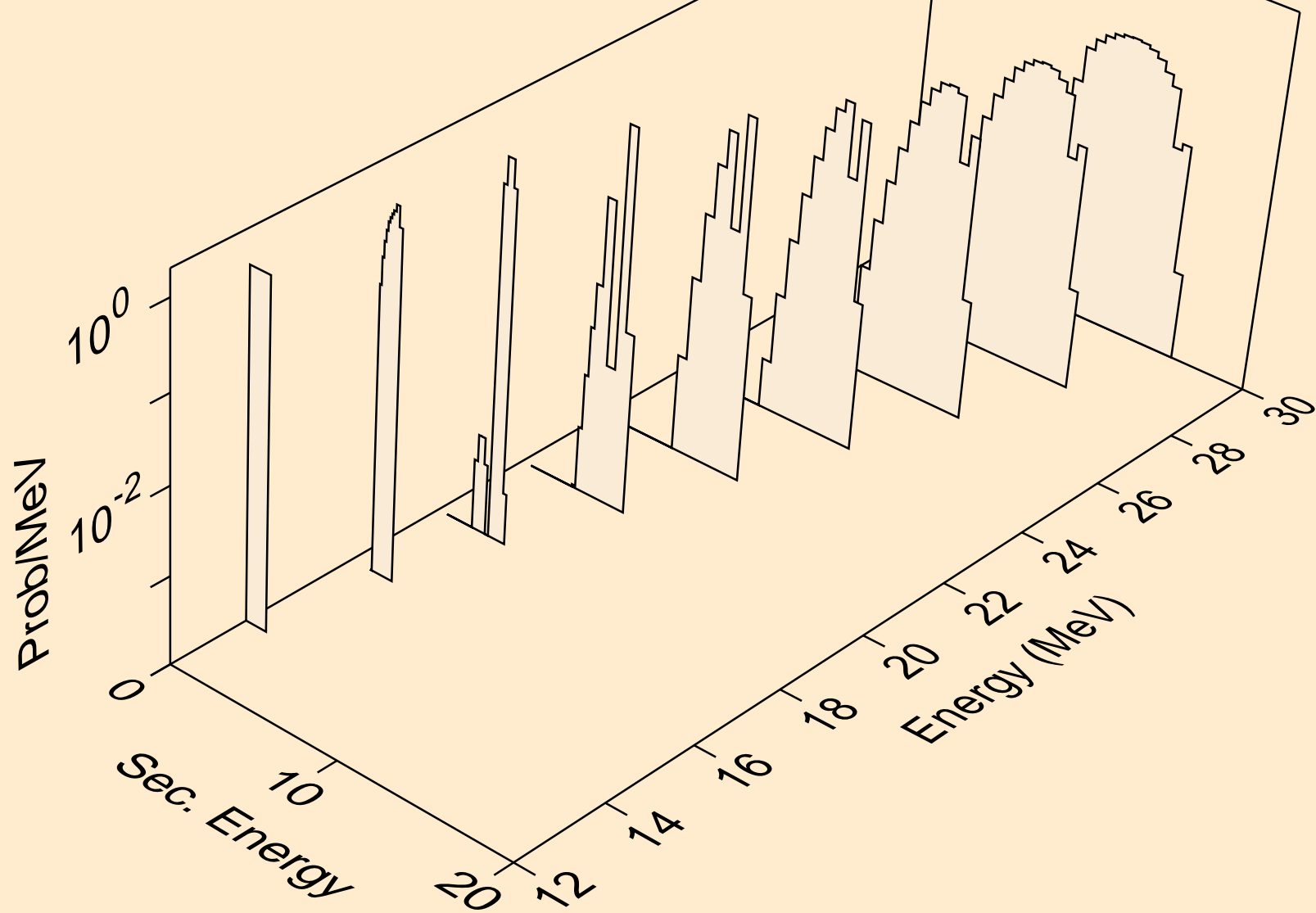


HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)

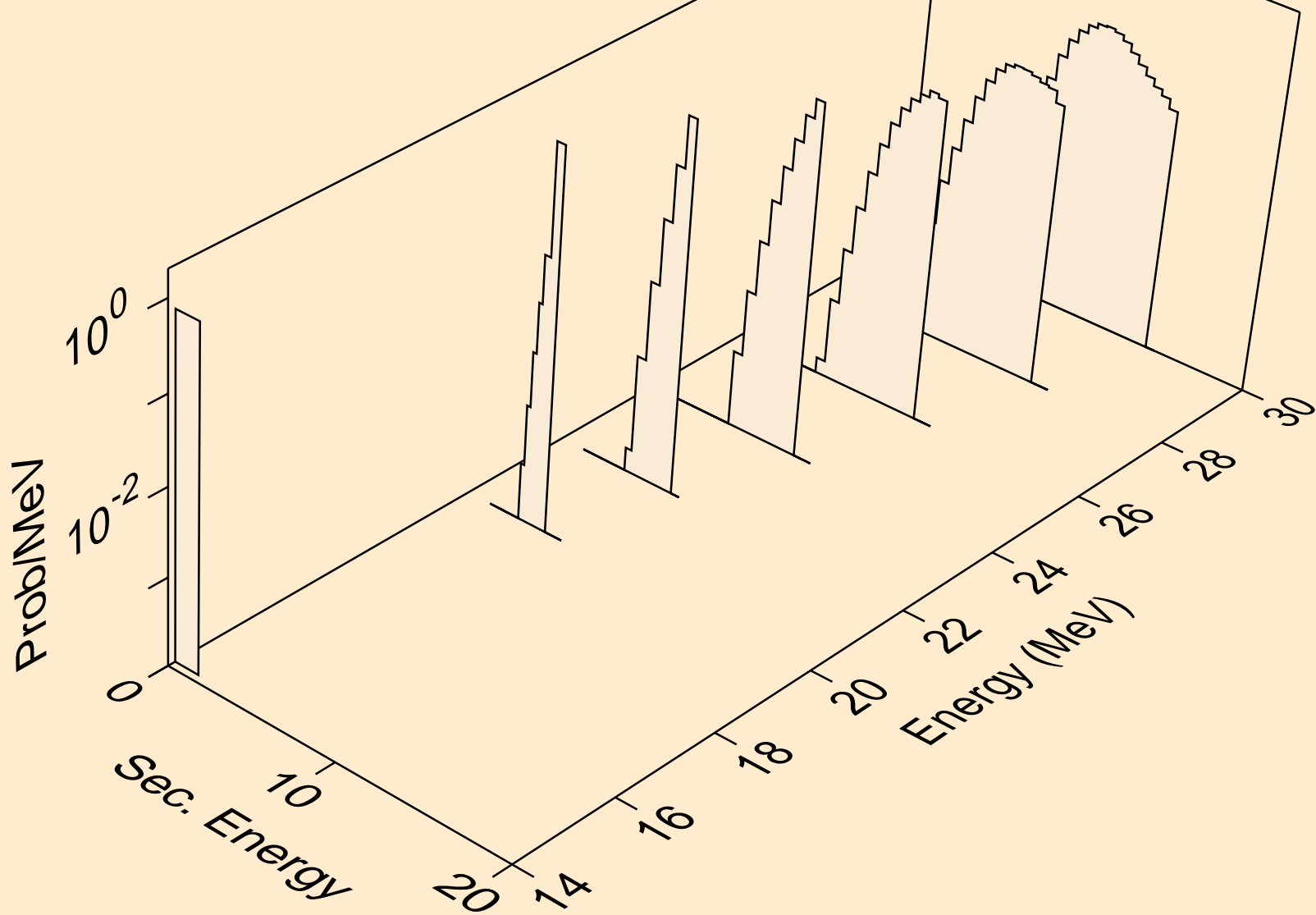




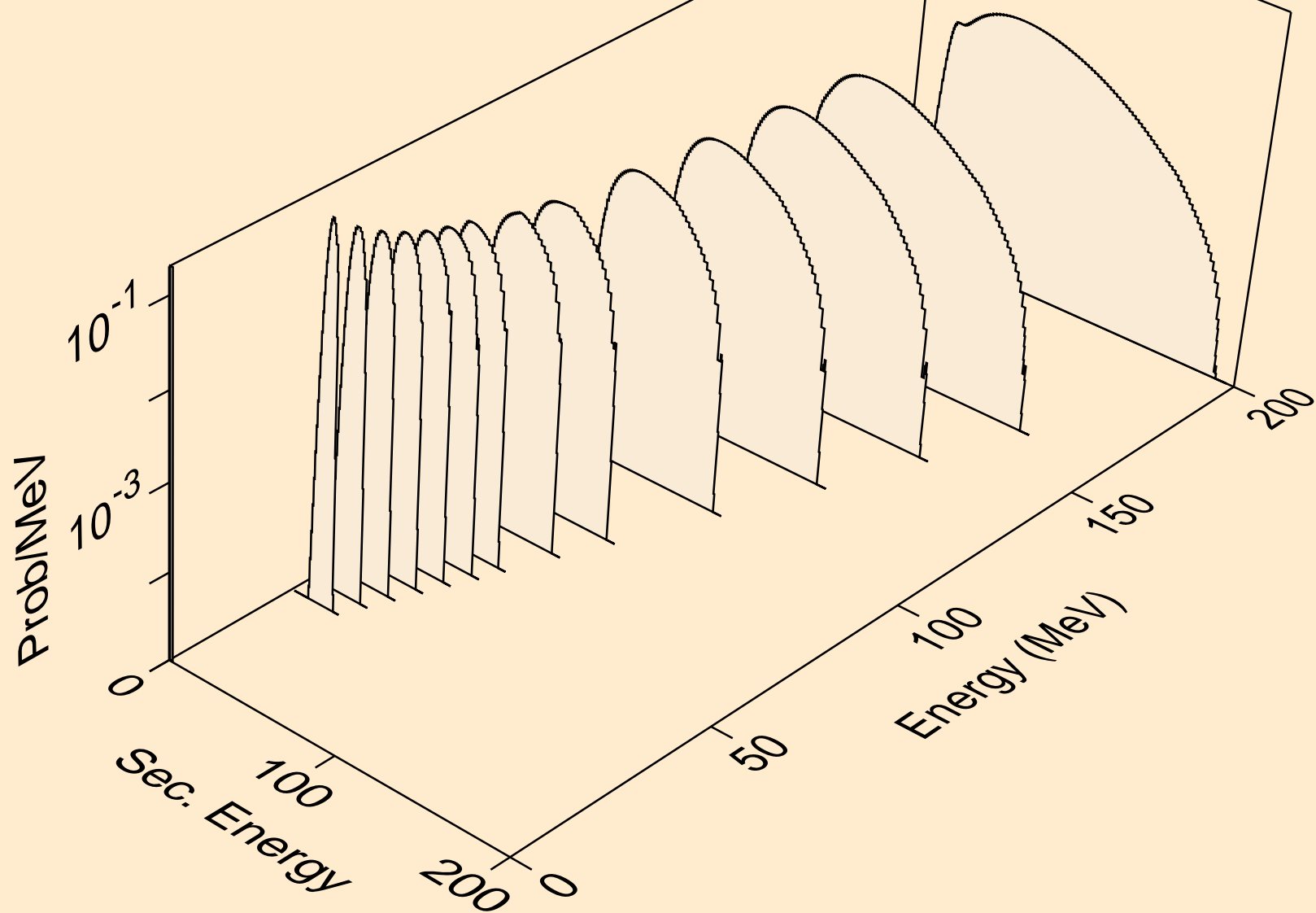
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tritons from (p,t)



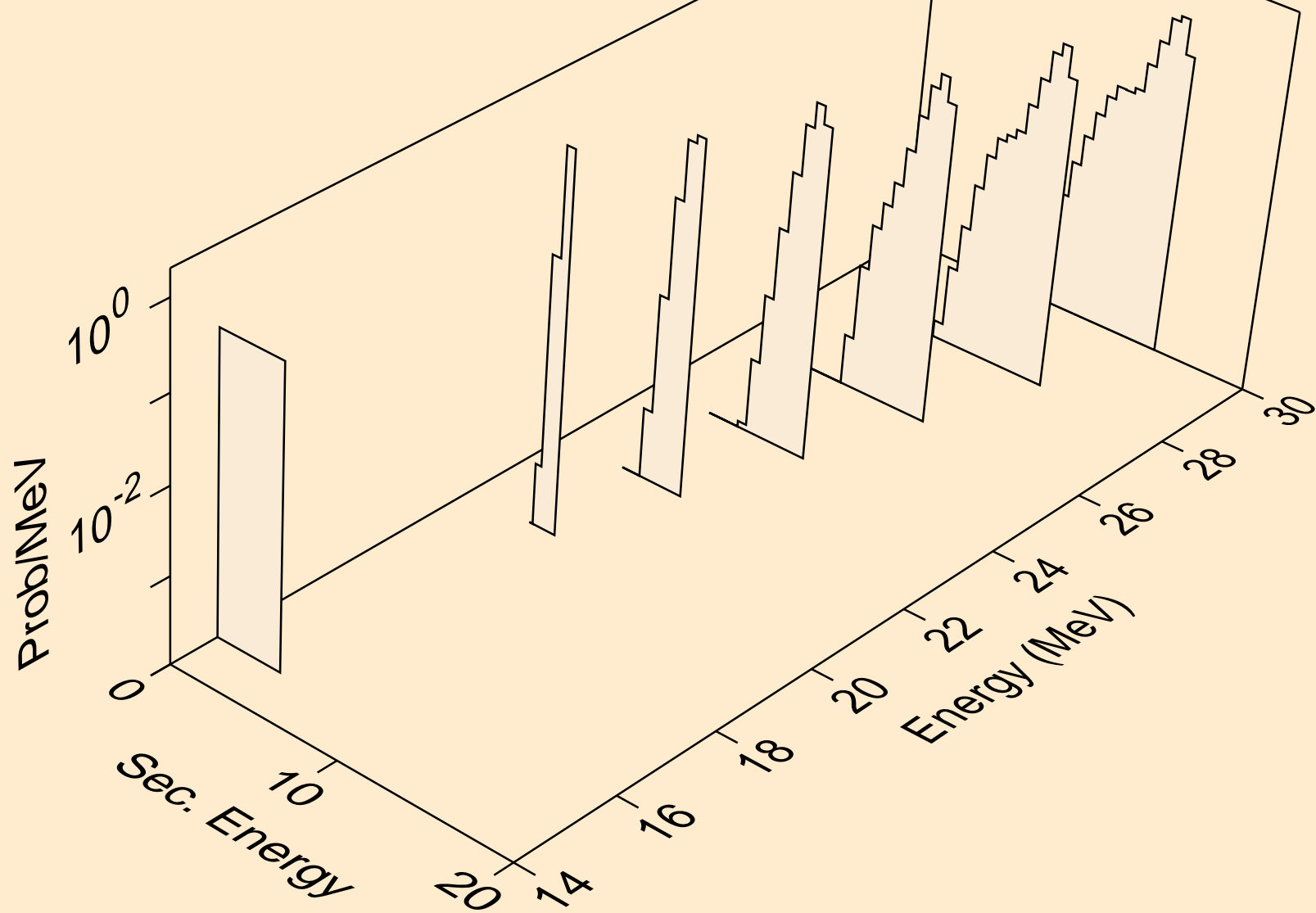
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,pt)



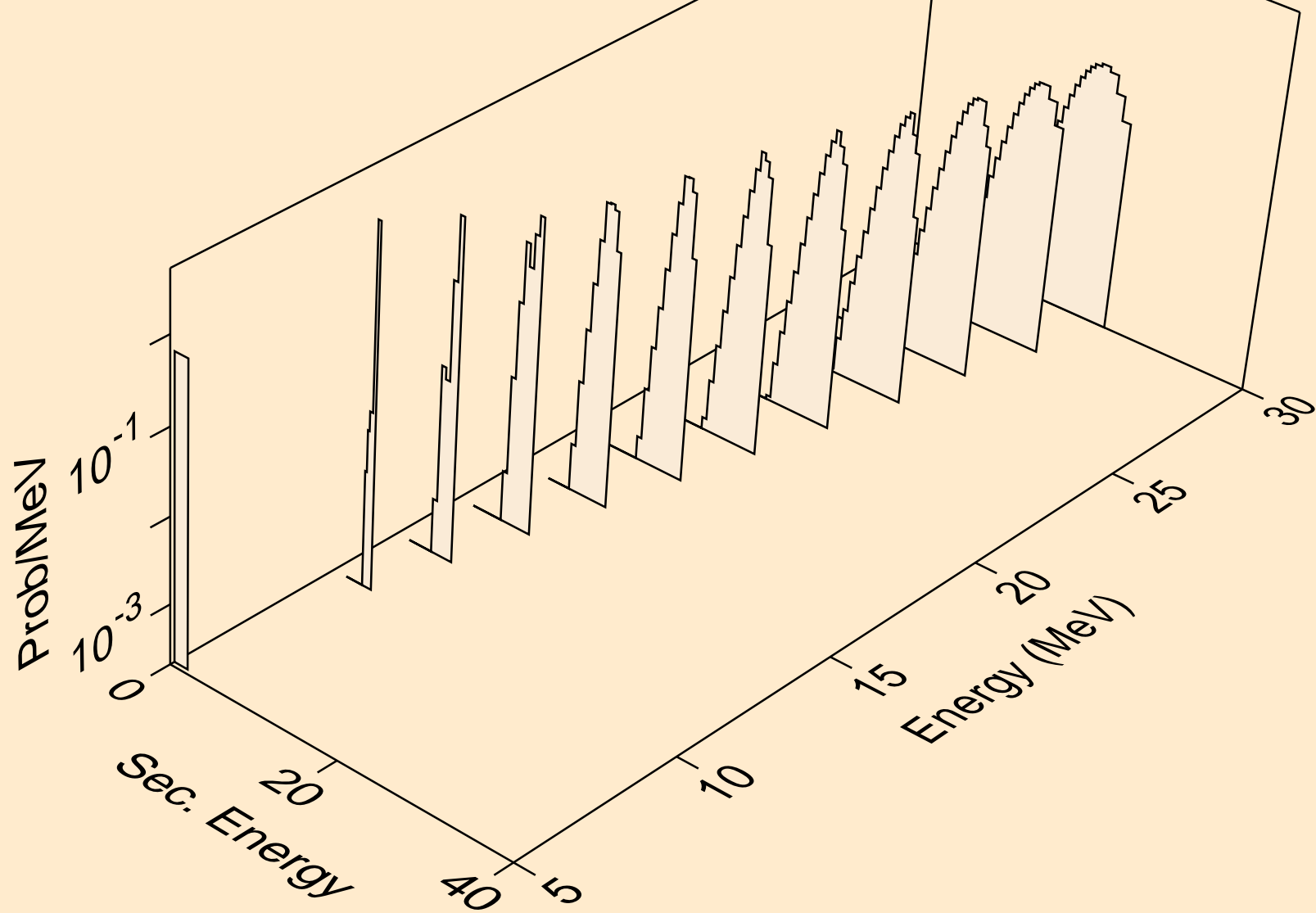
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)



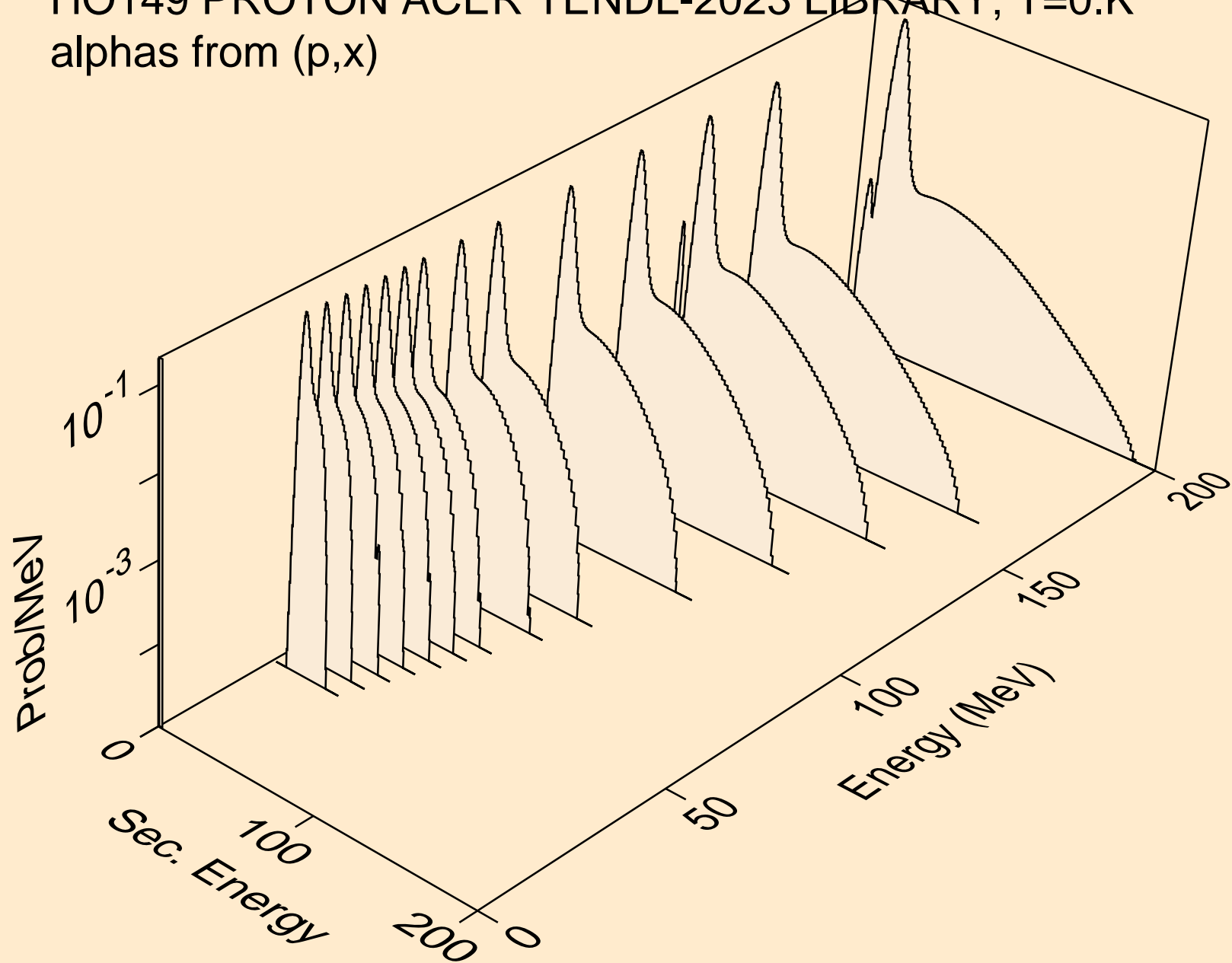
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3



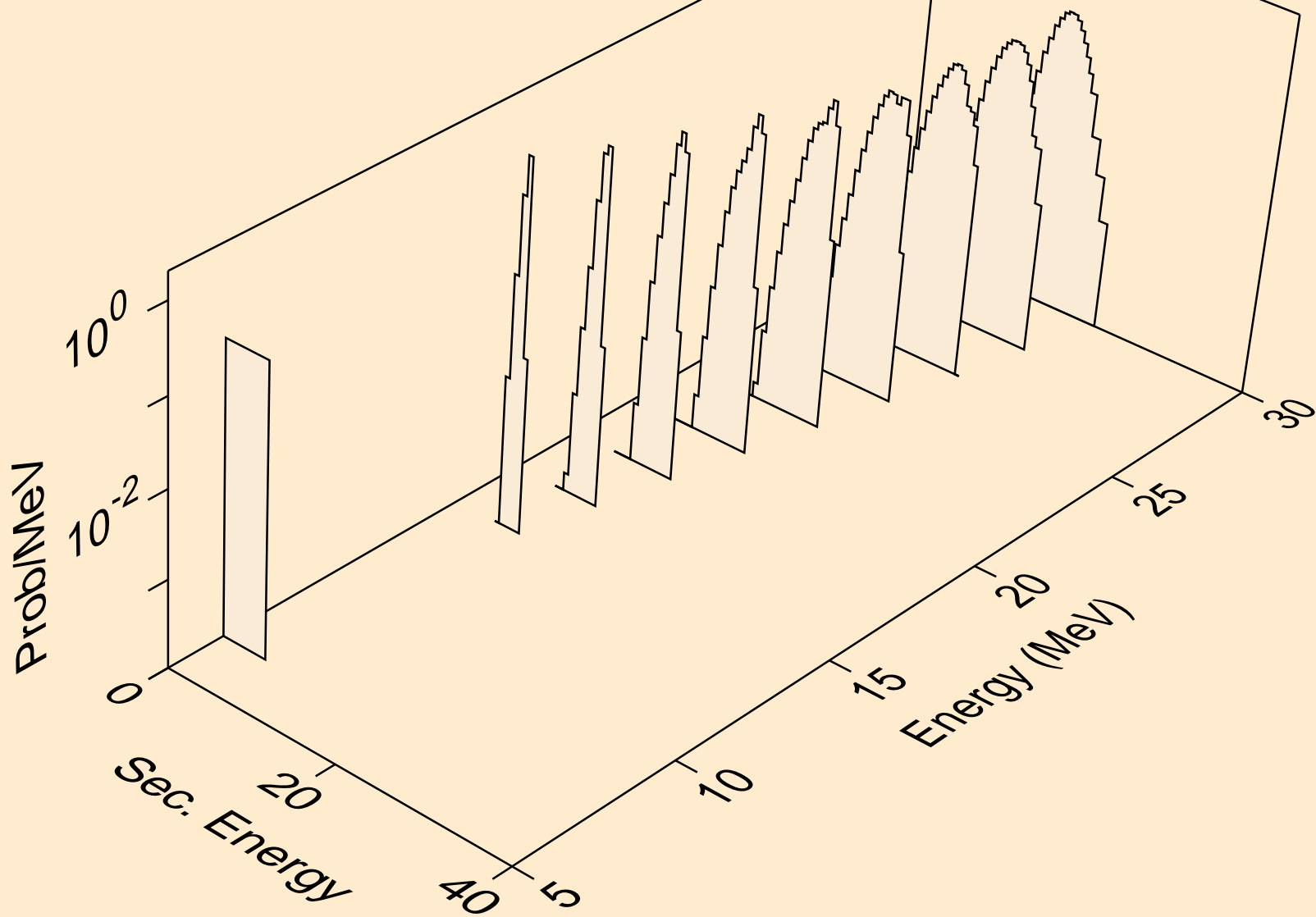
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,he3)



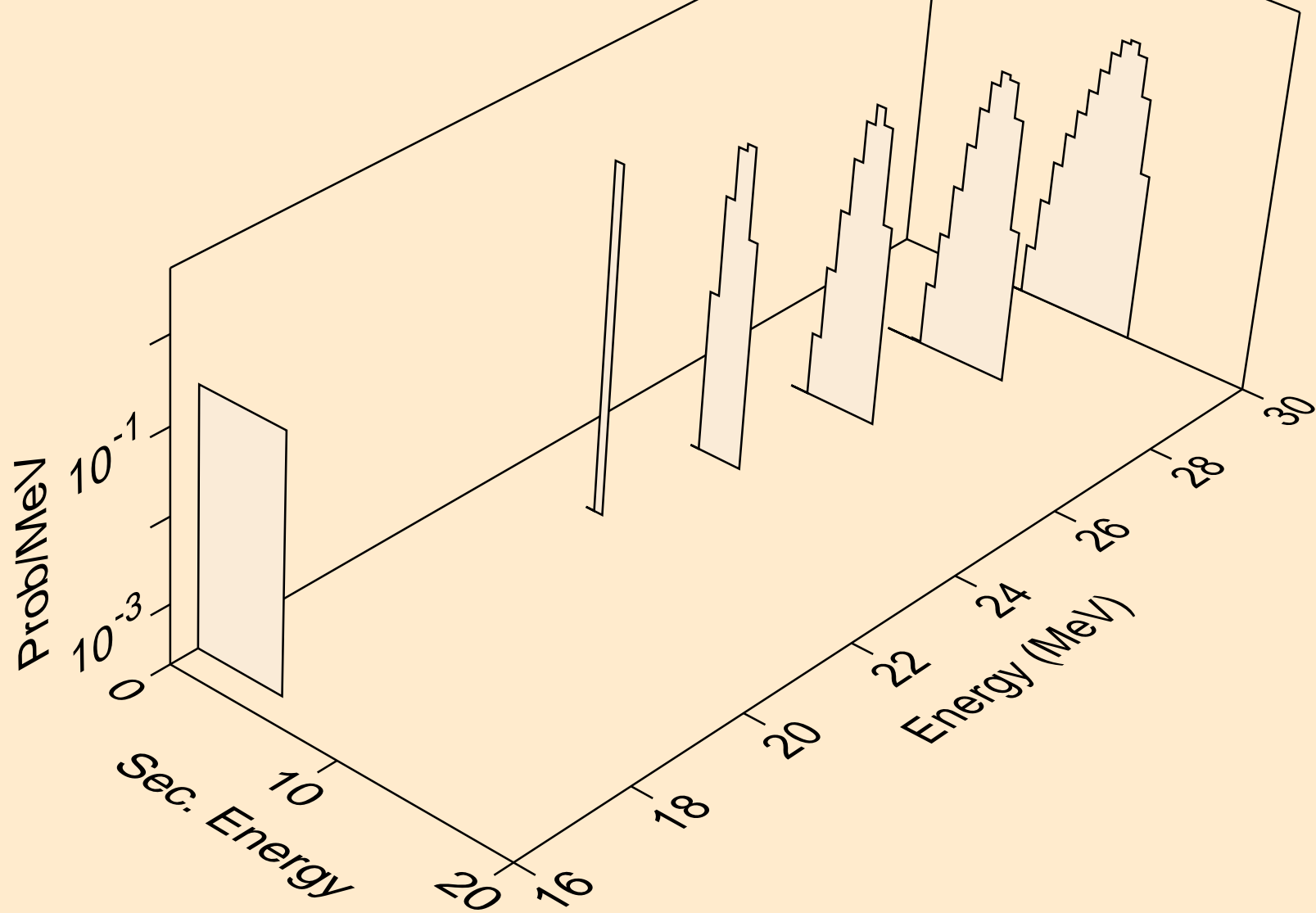
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)



HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a

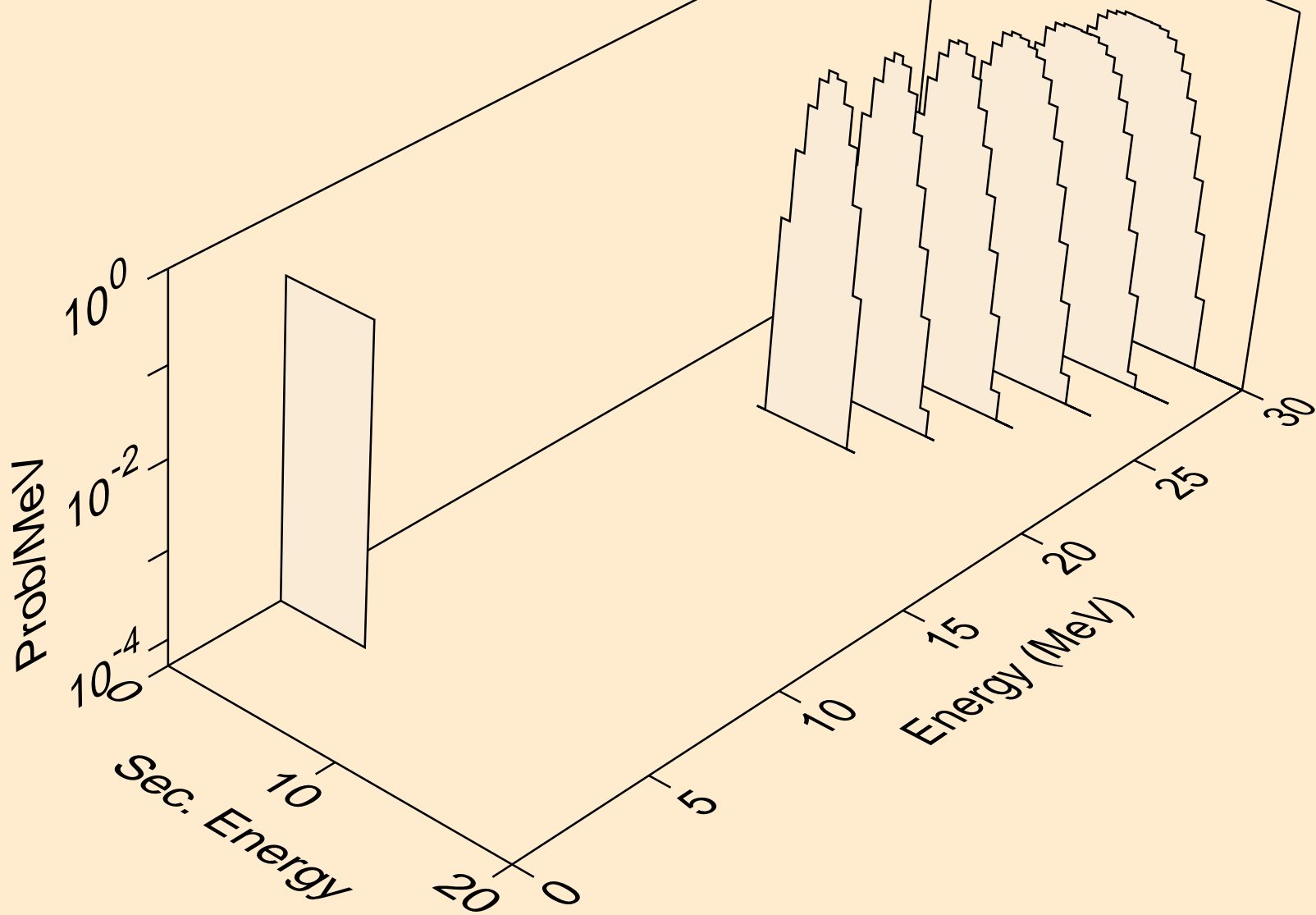


HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)a

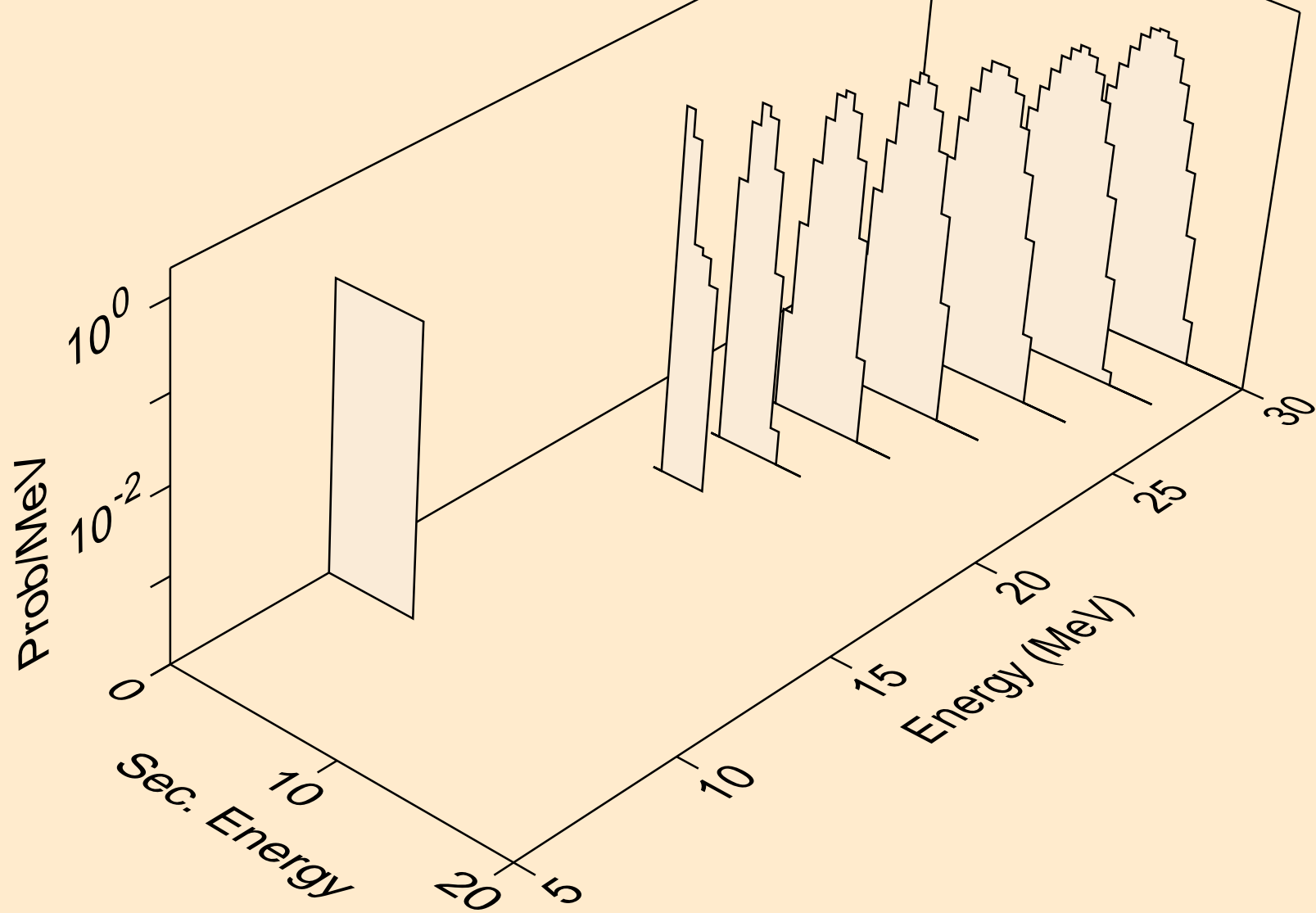




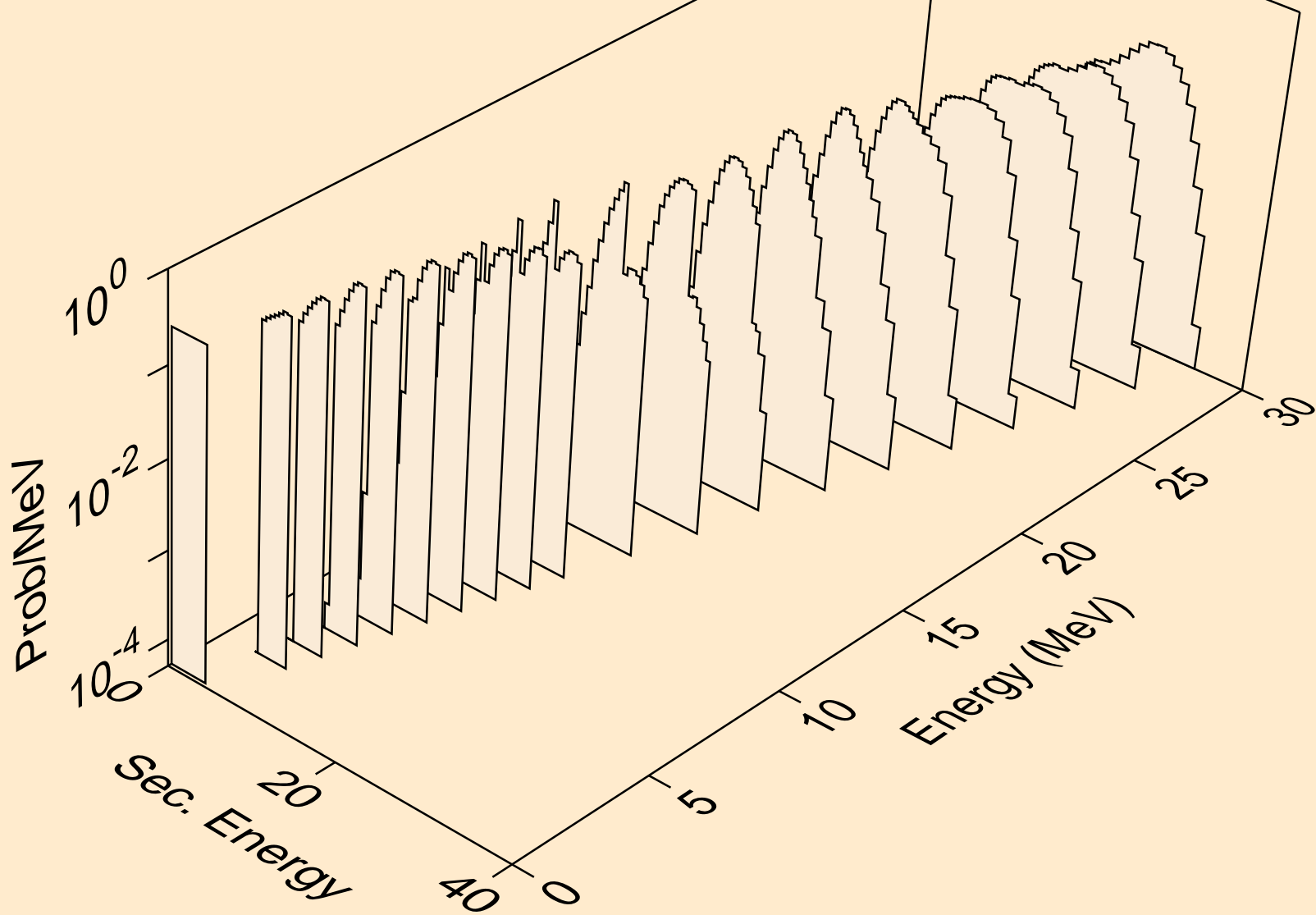
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)2a



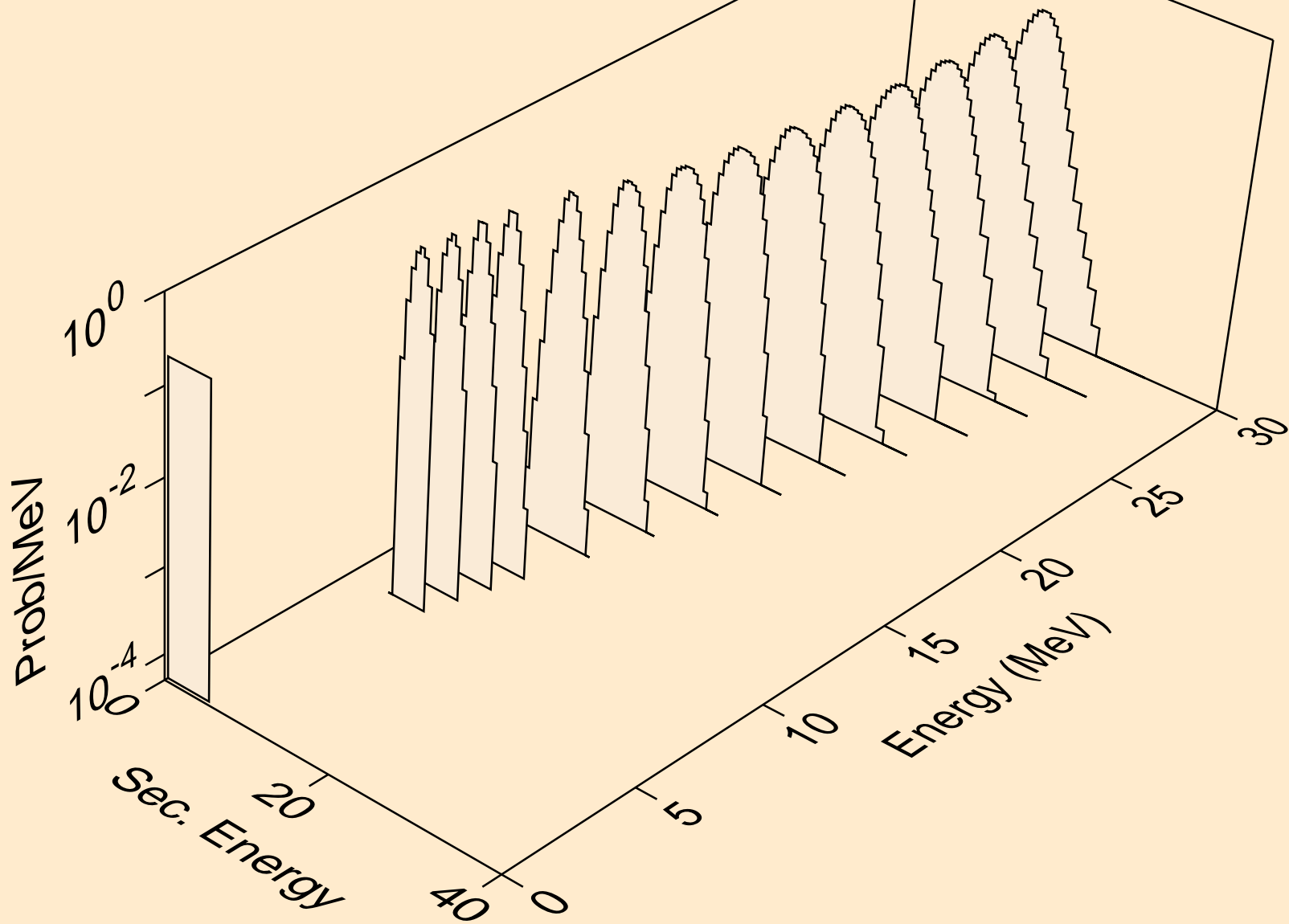
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,npa)



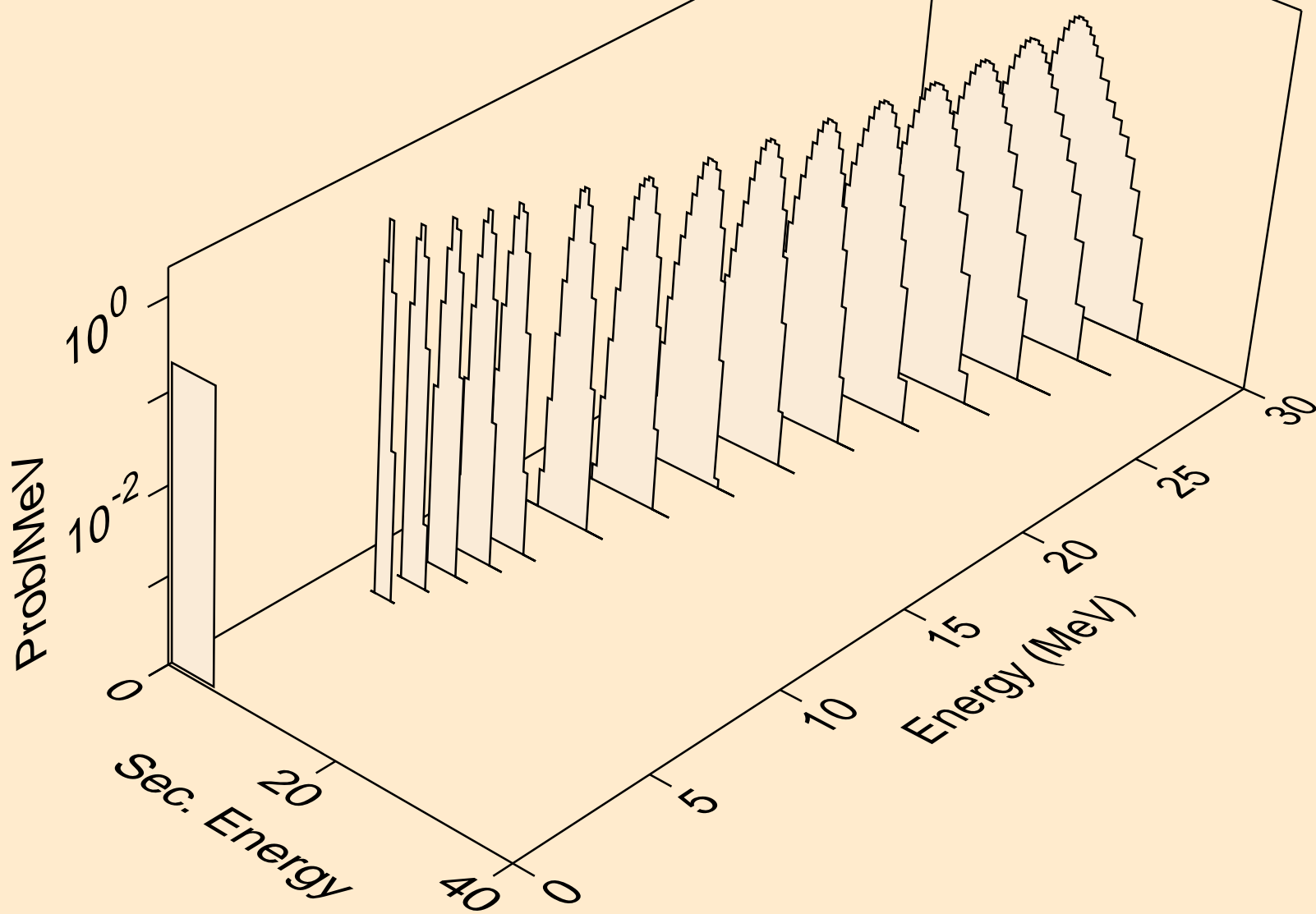
HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)



HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2a)



HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)



HO149 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,da)

