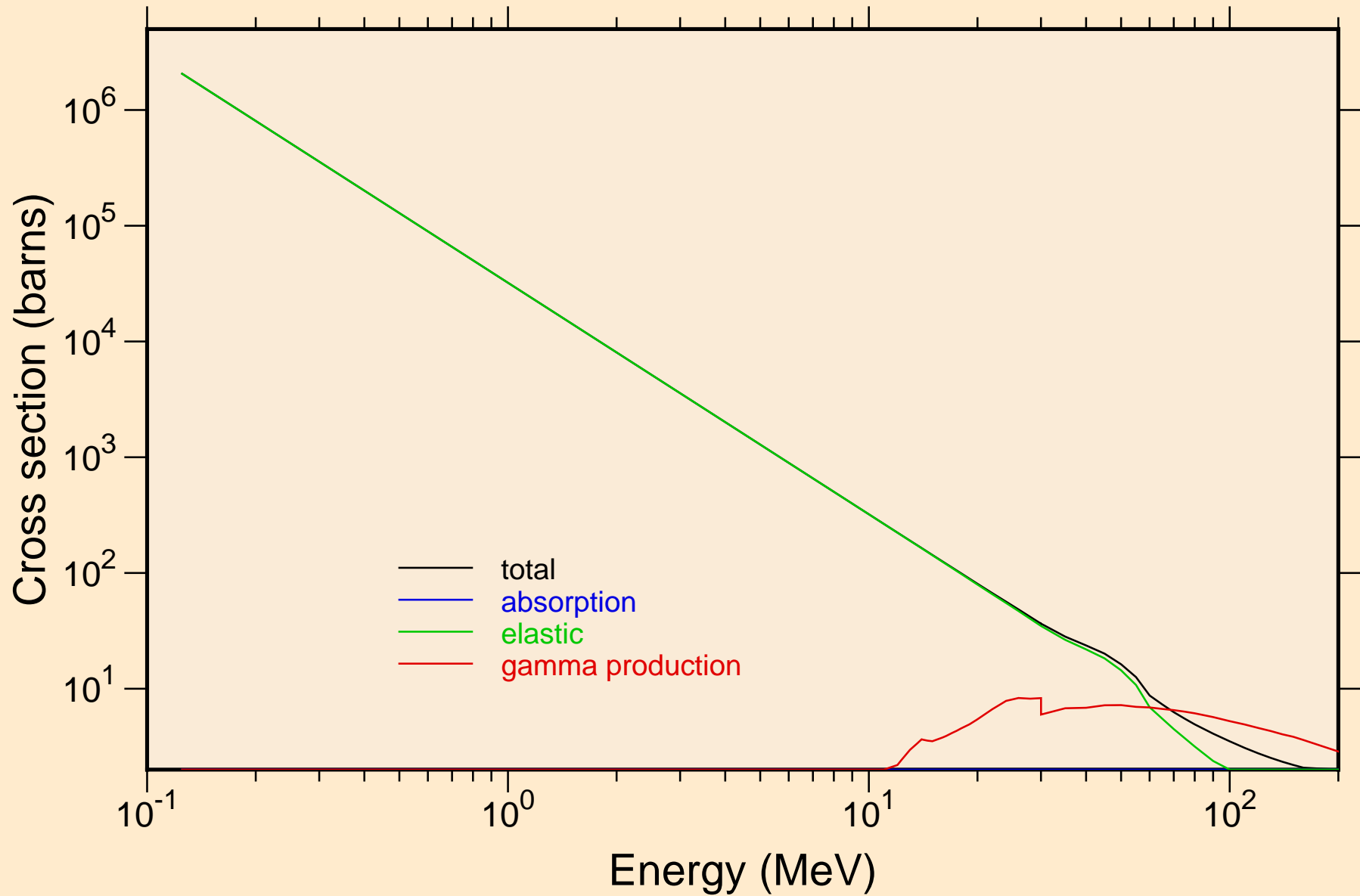


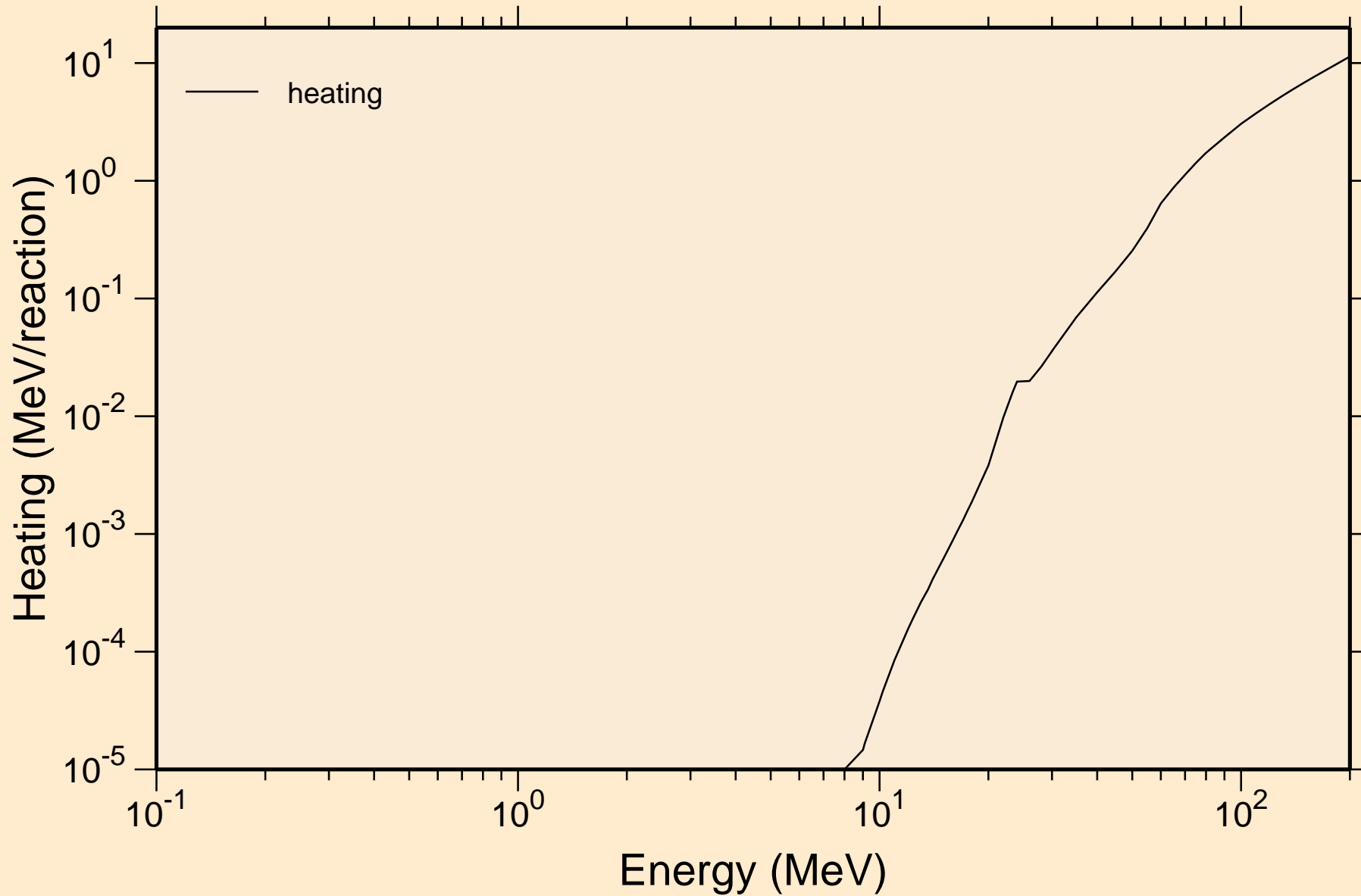
# HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



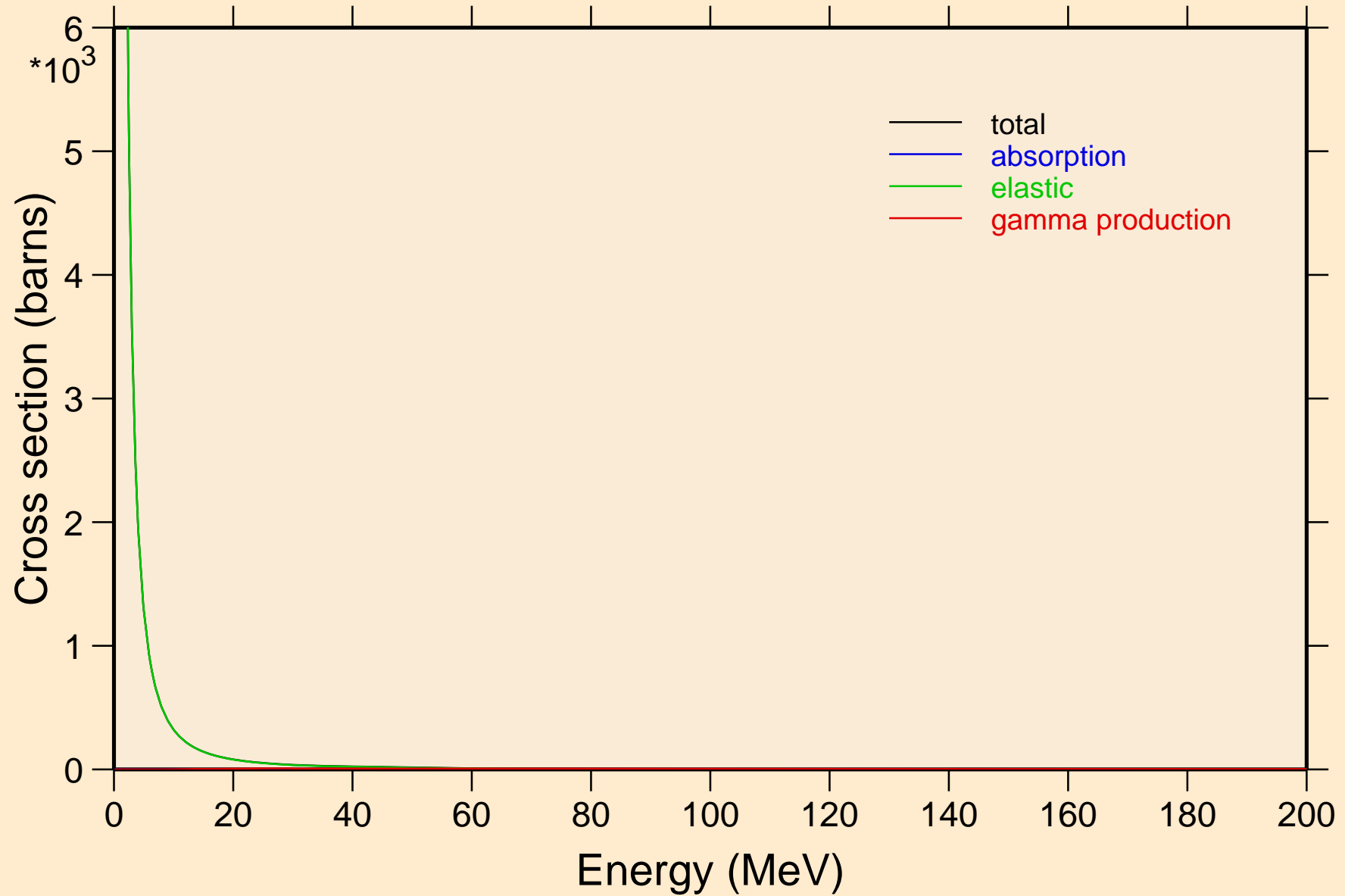
# HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



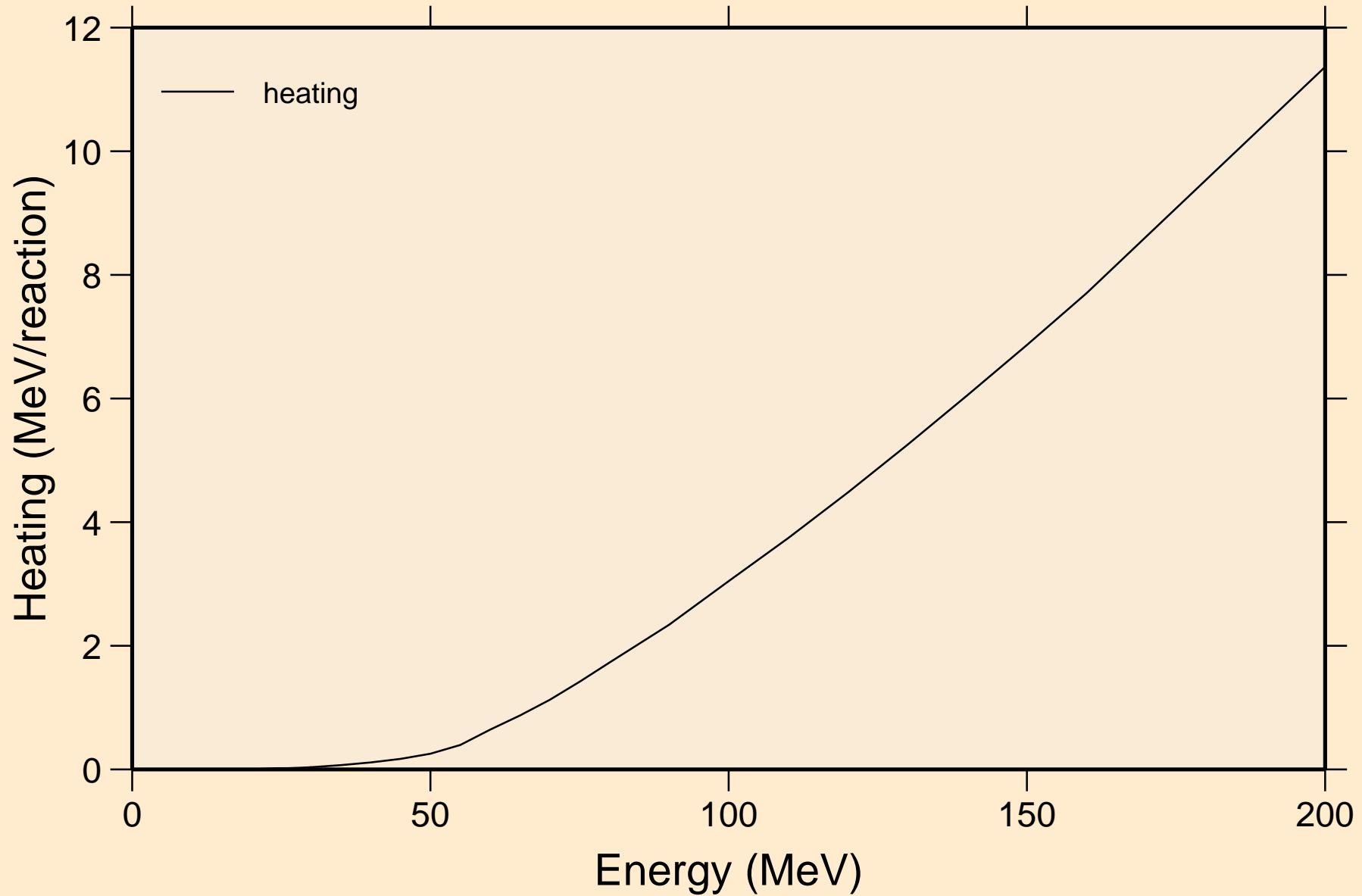
# HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



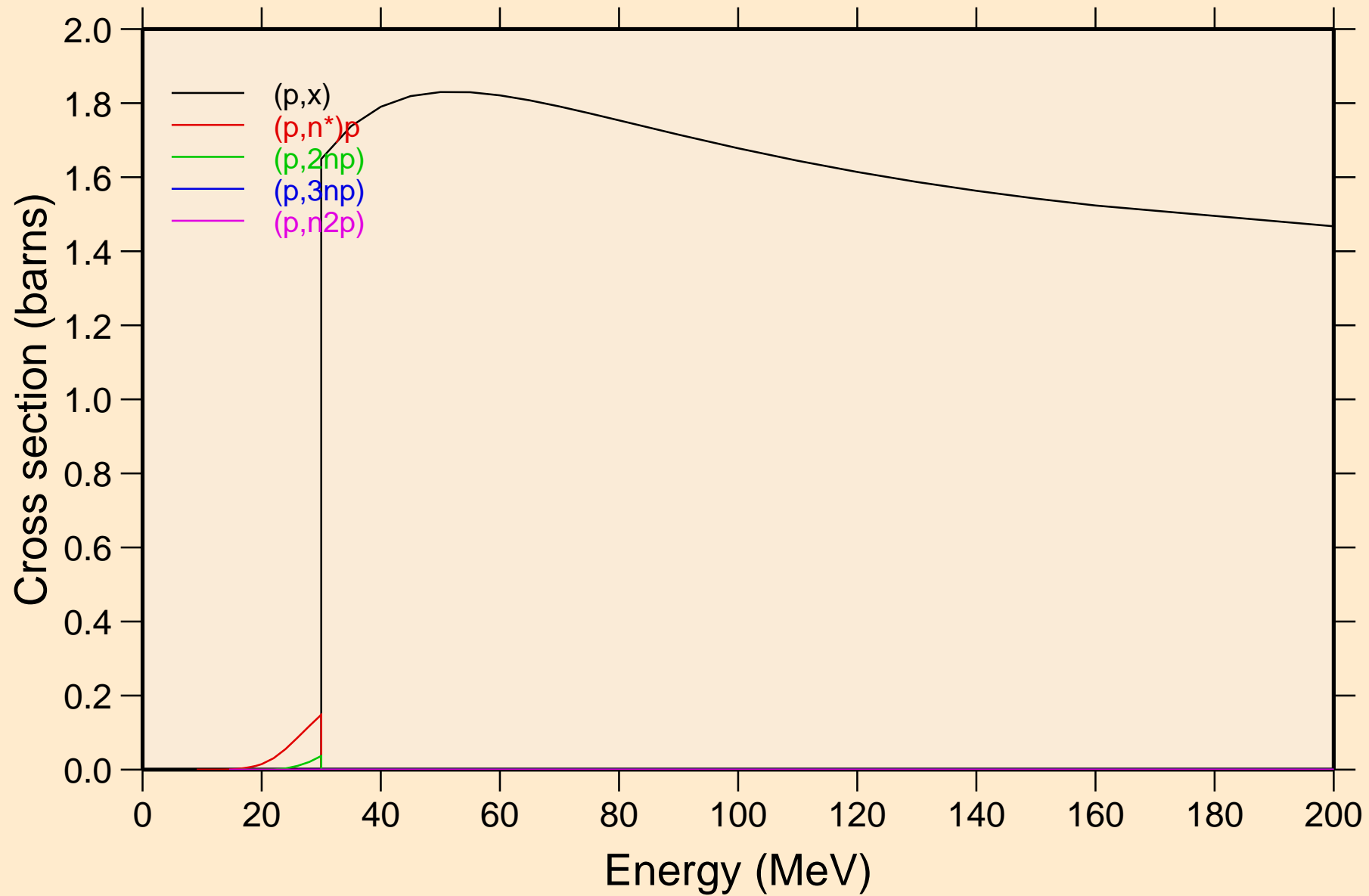
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## Heating



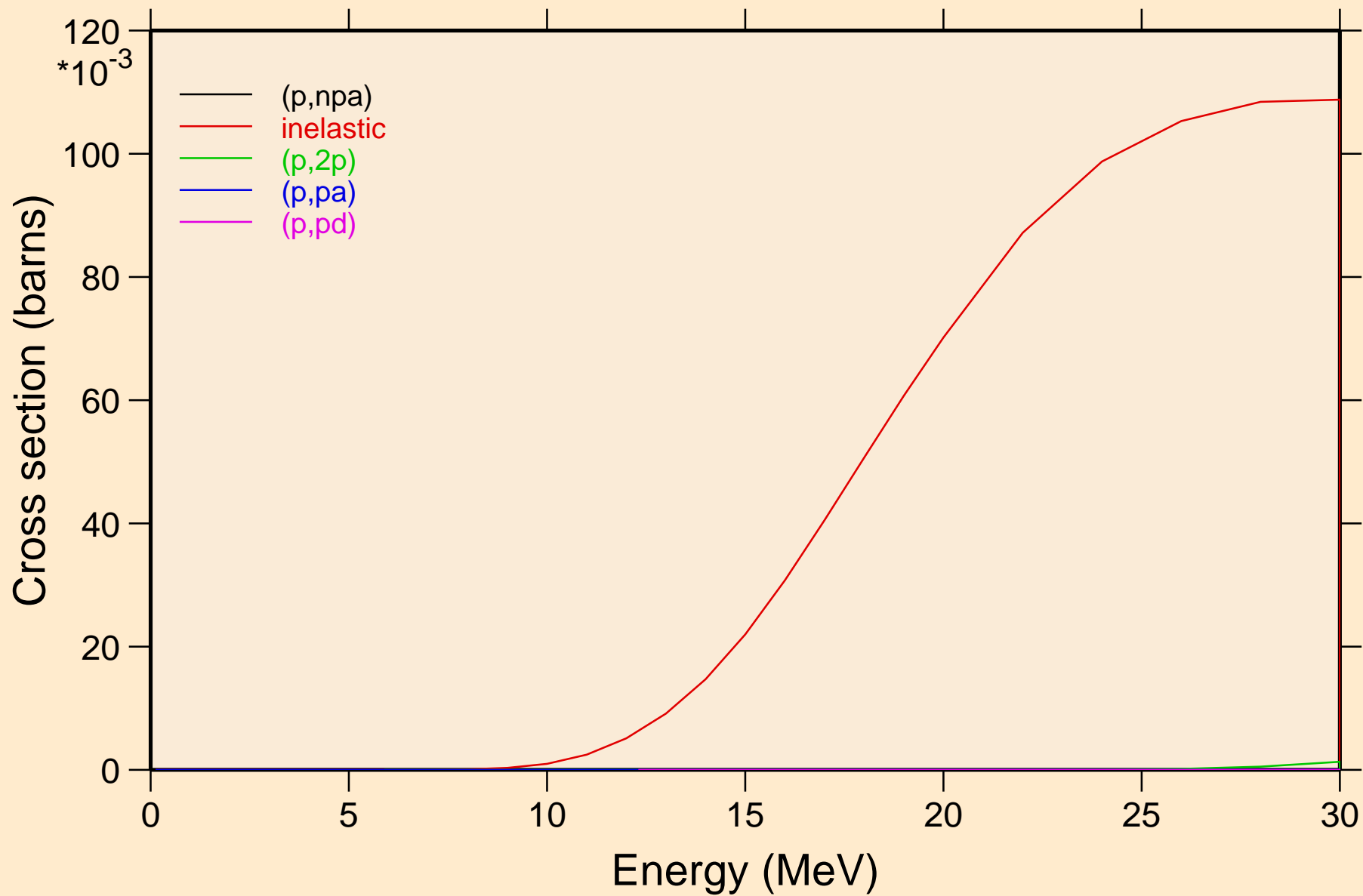
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## Threshold reactions

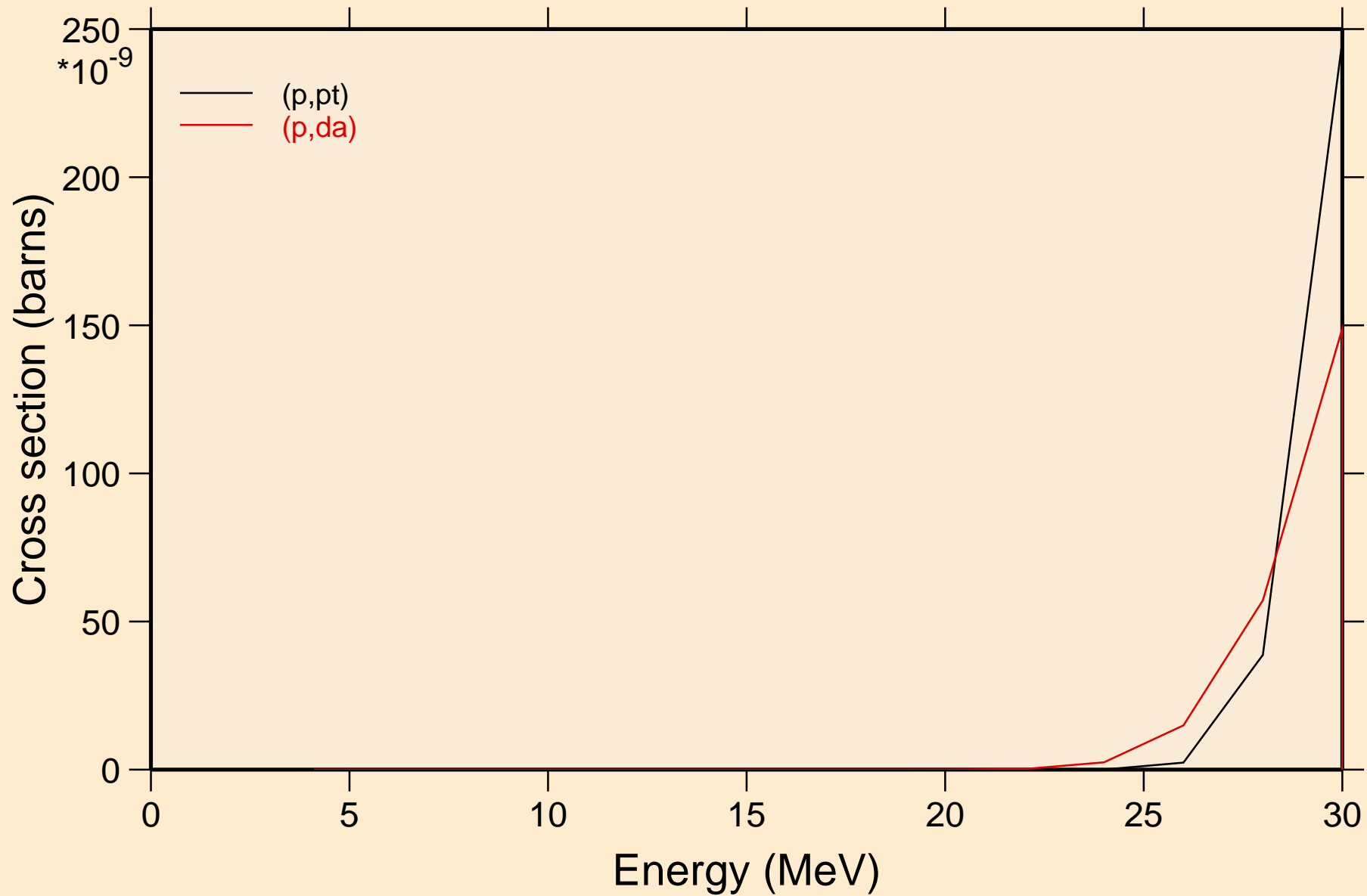


# HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K

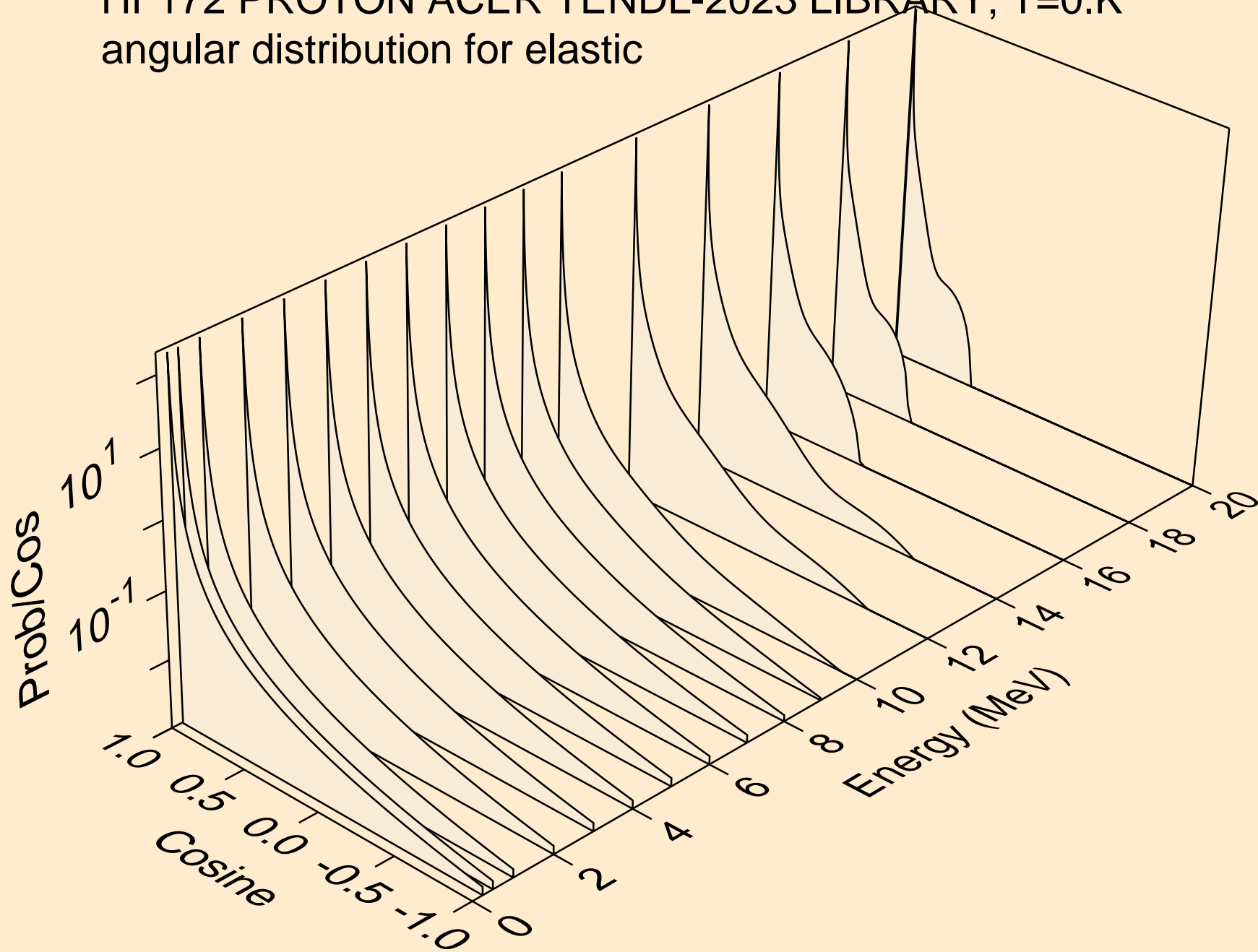
## Threshold reactions



HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

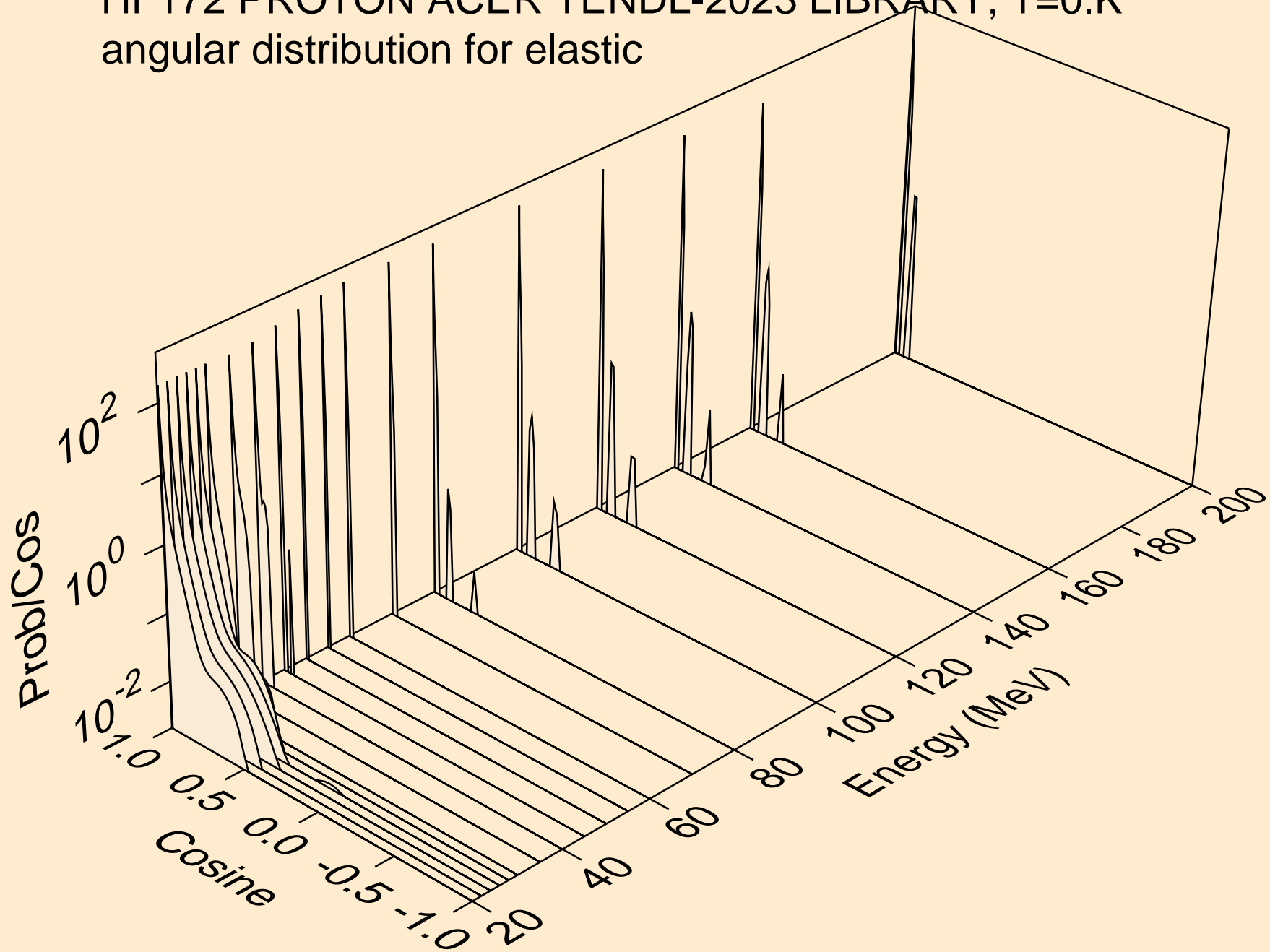


HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

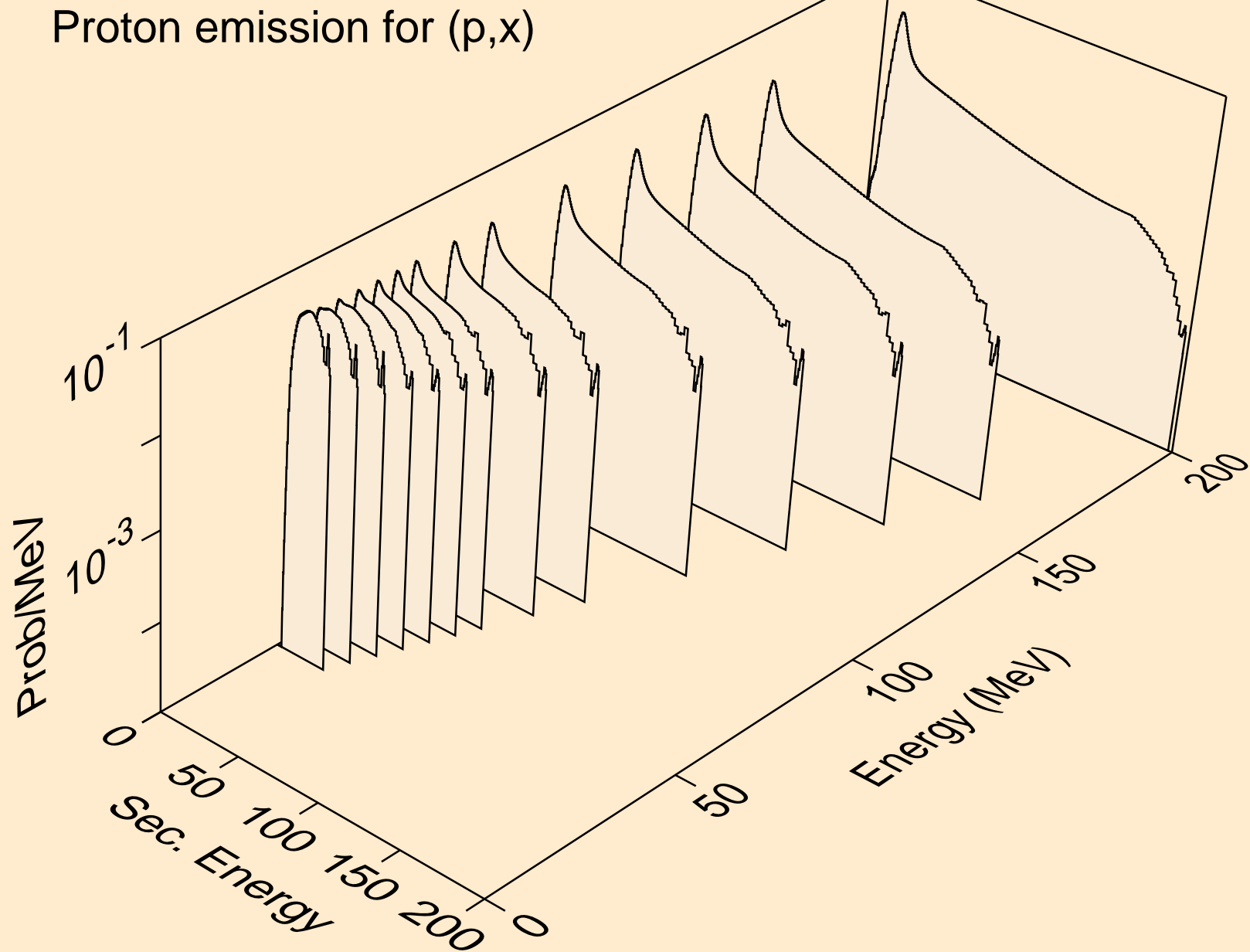




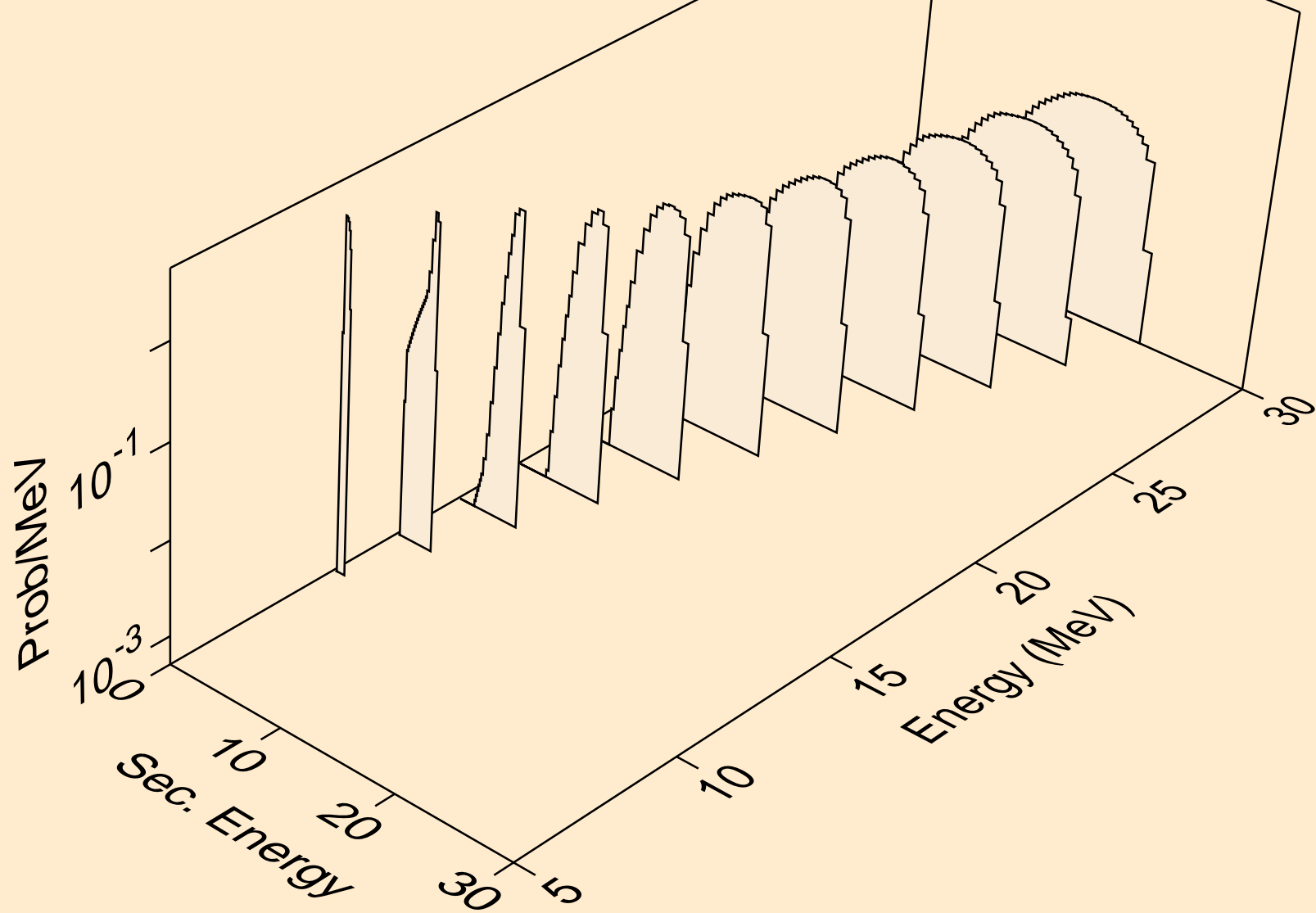
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



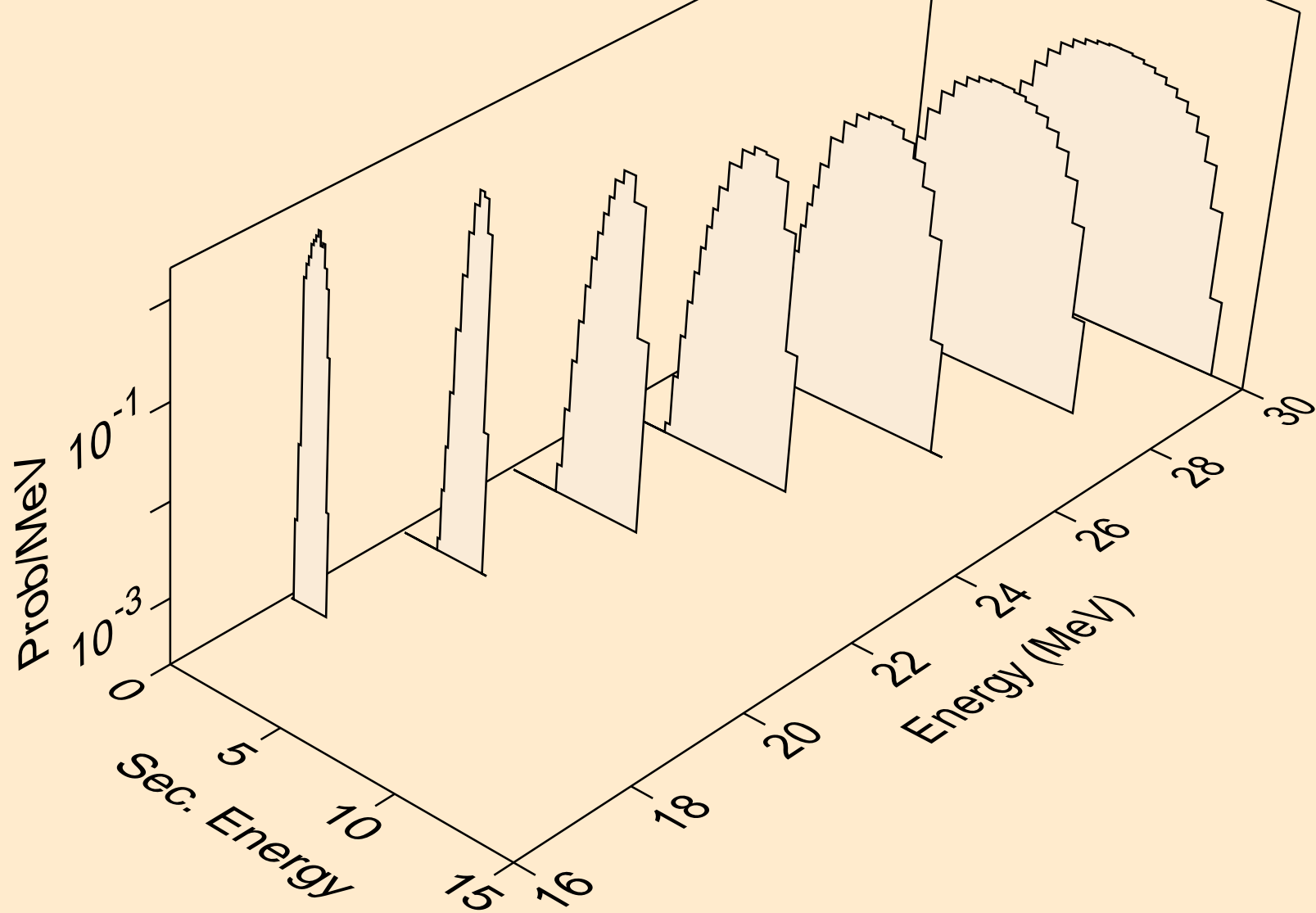
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



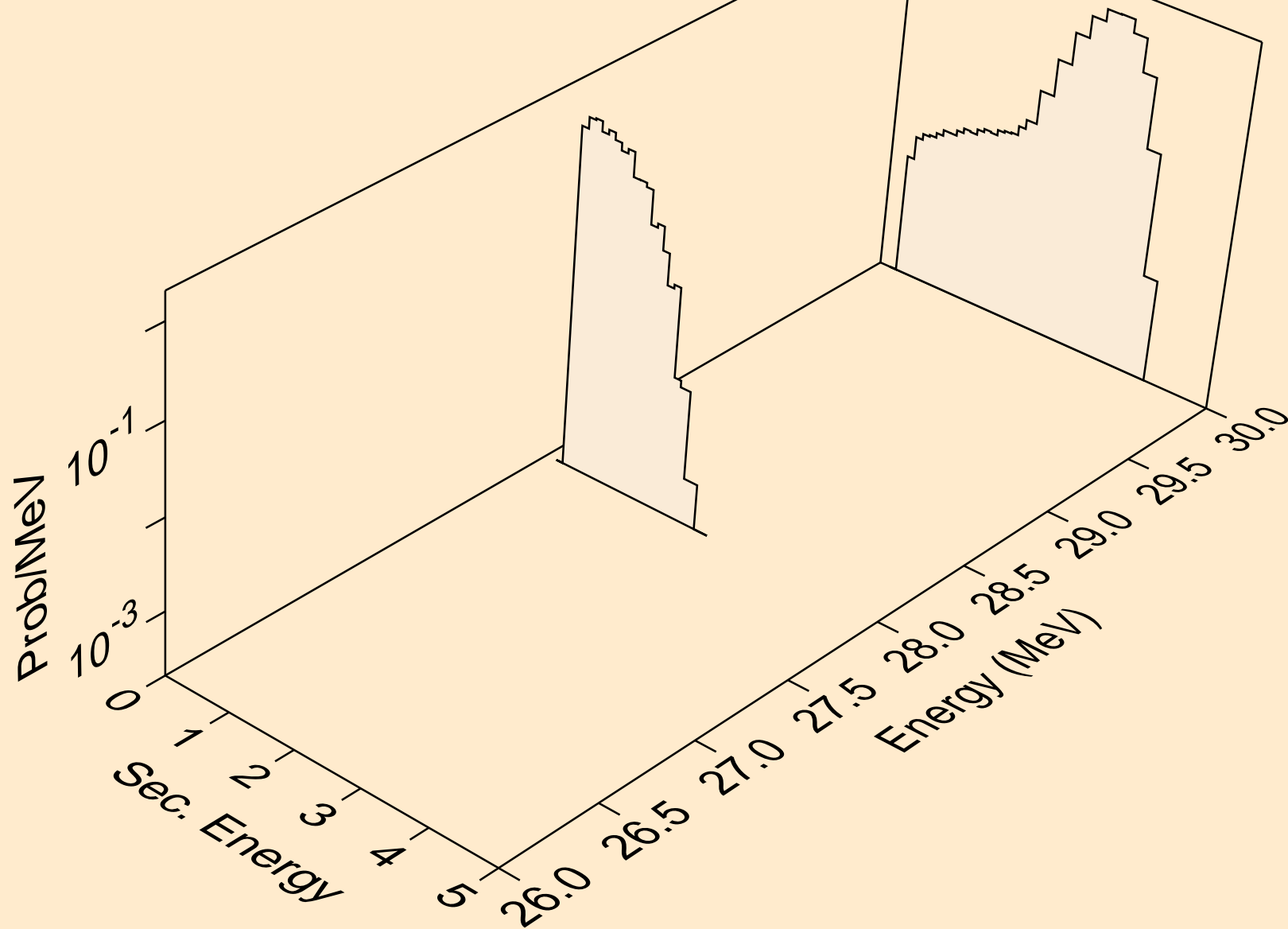
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



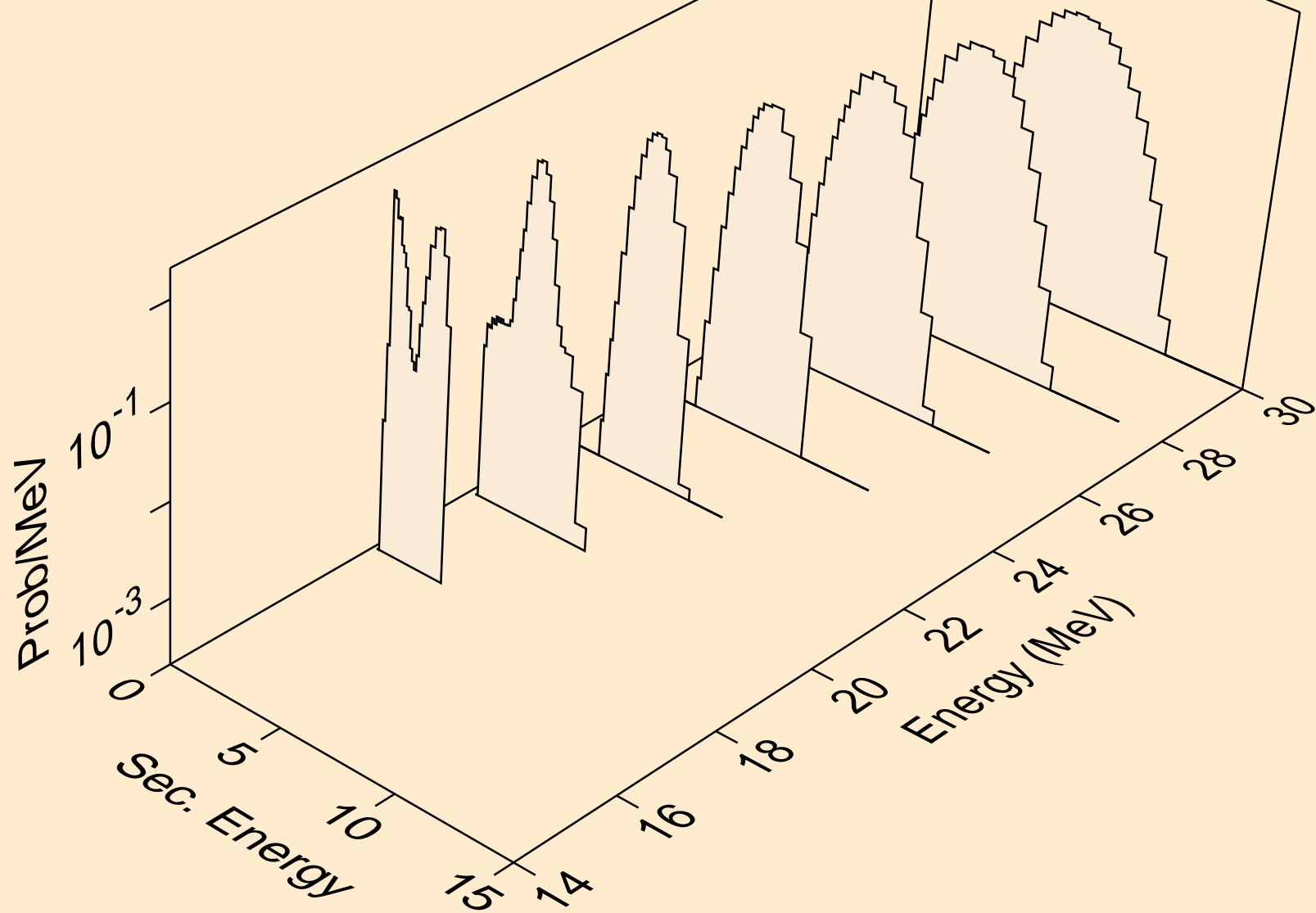
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



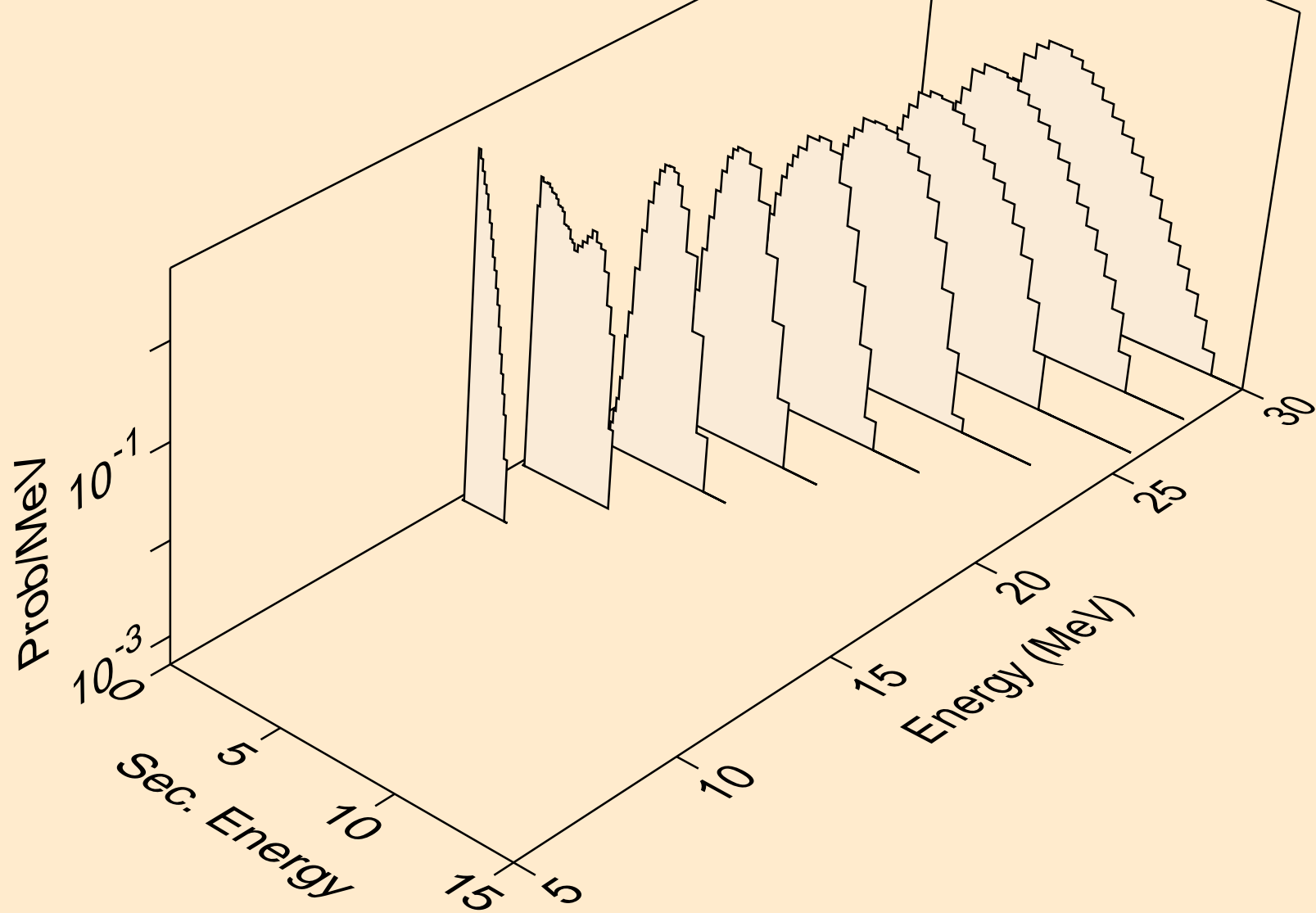
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,3np)



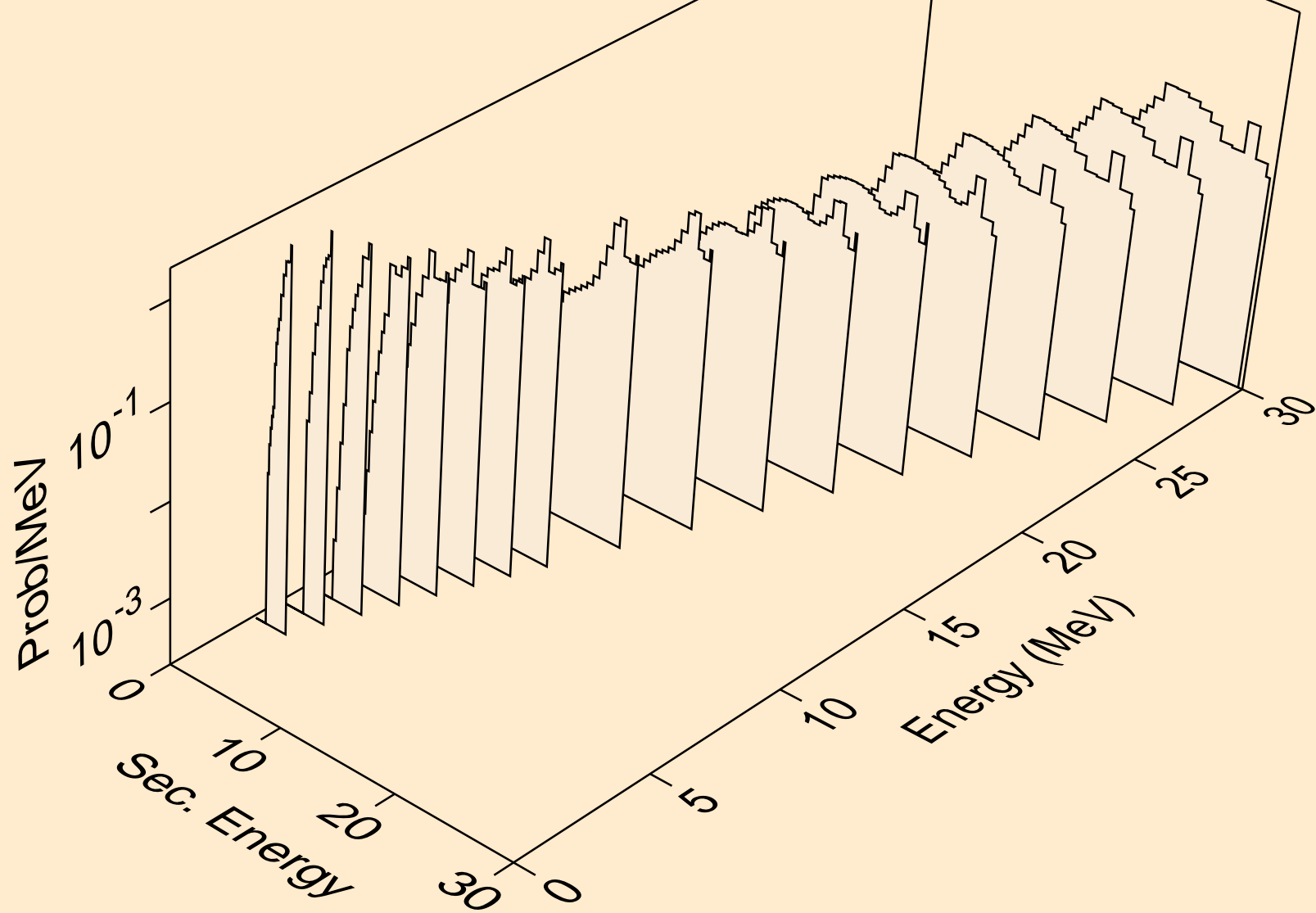
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)



HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,npa)

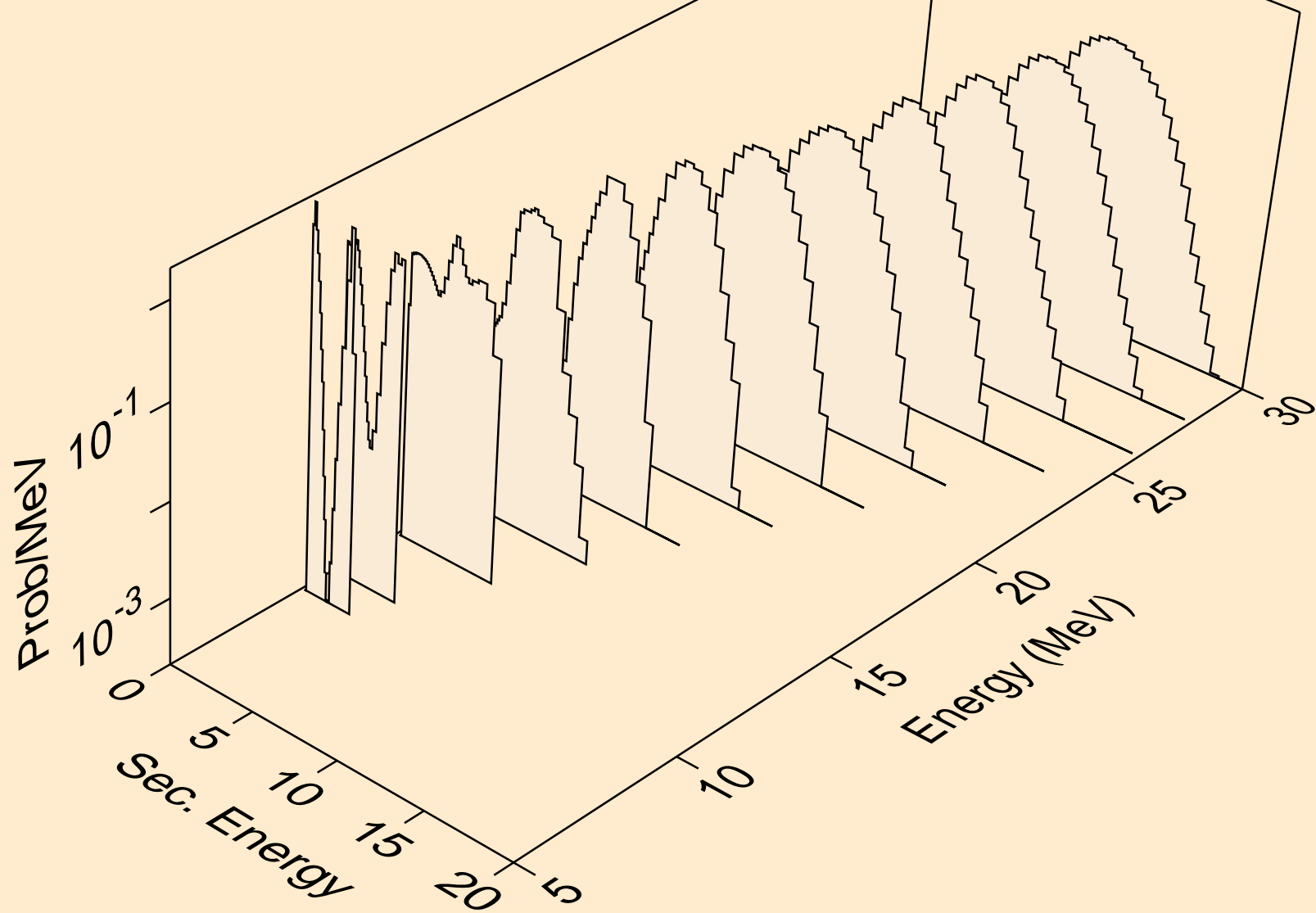


HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

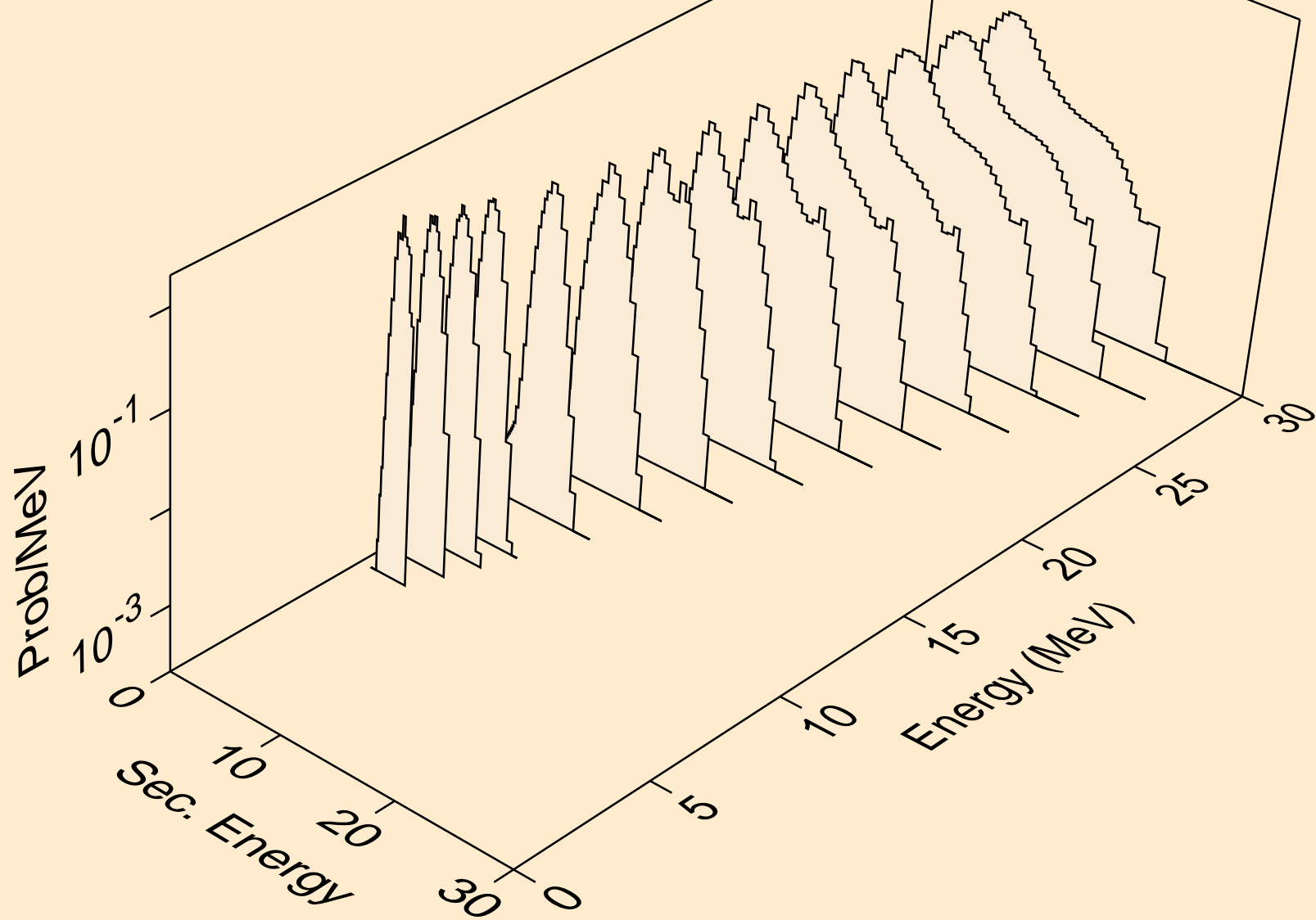




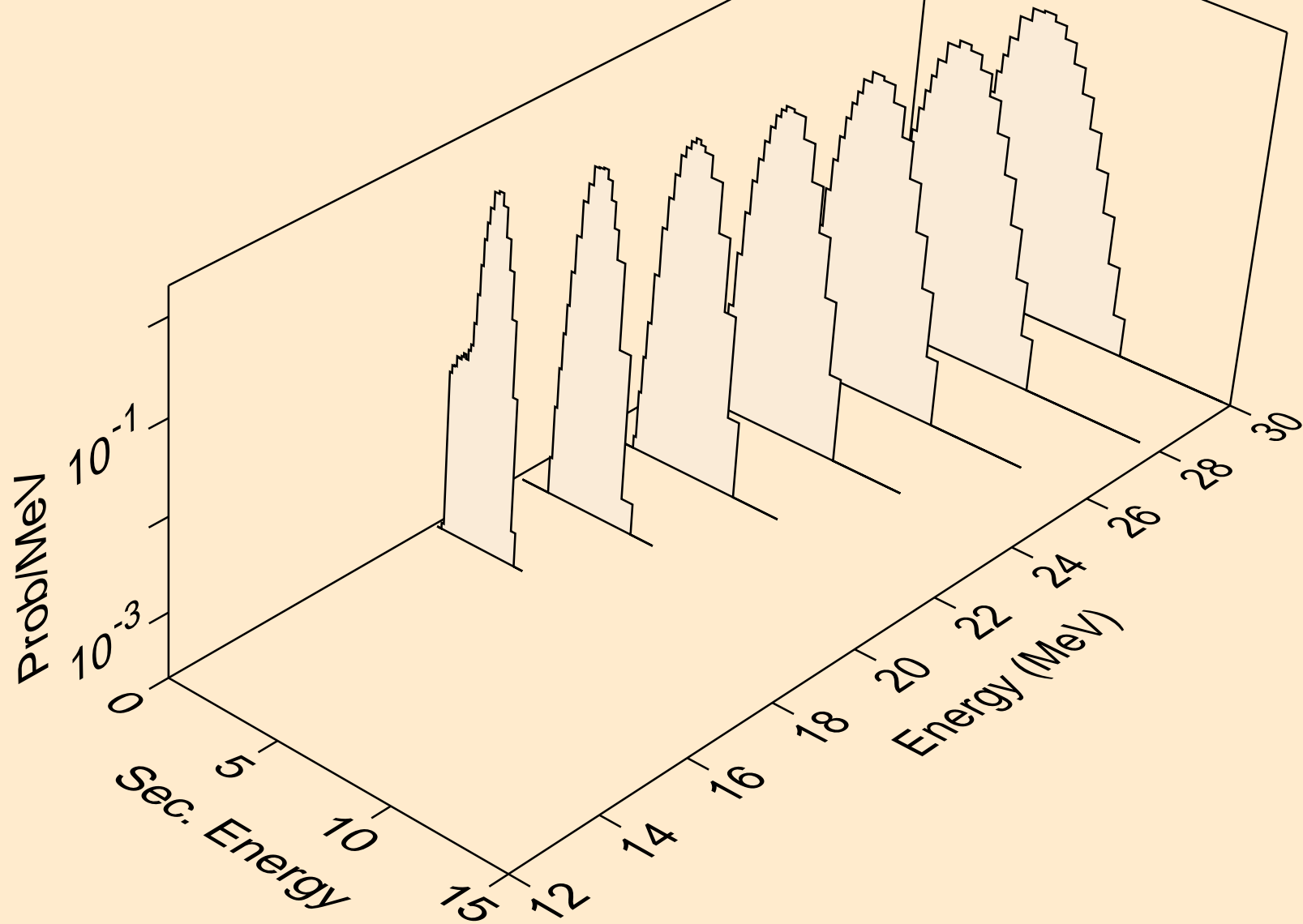
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2p)



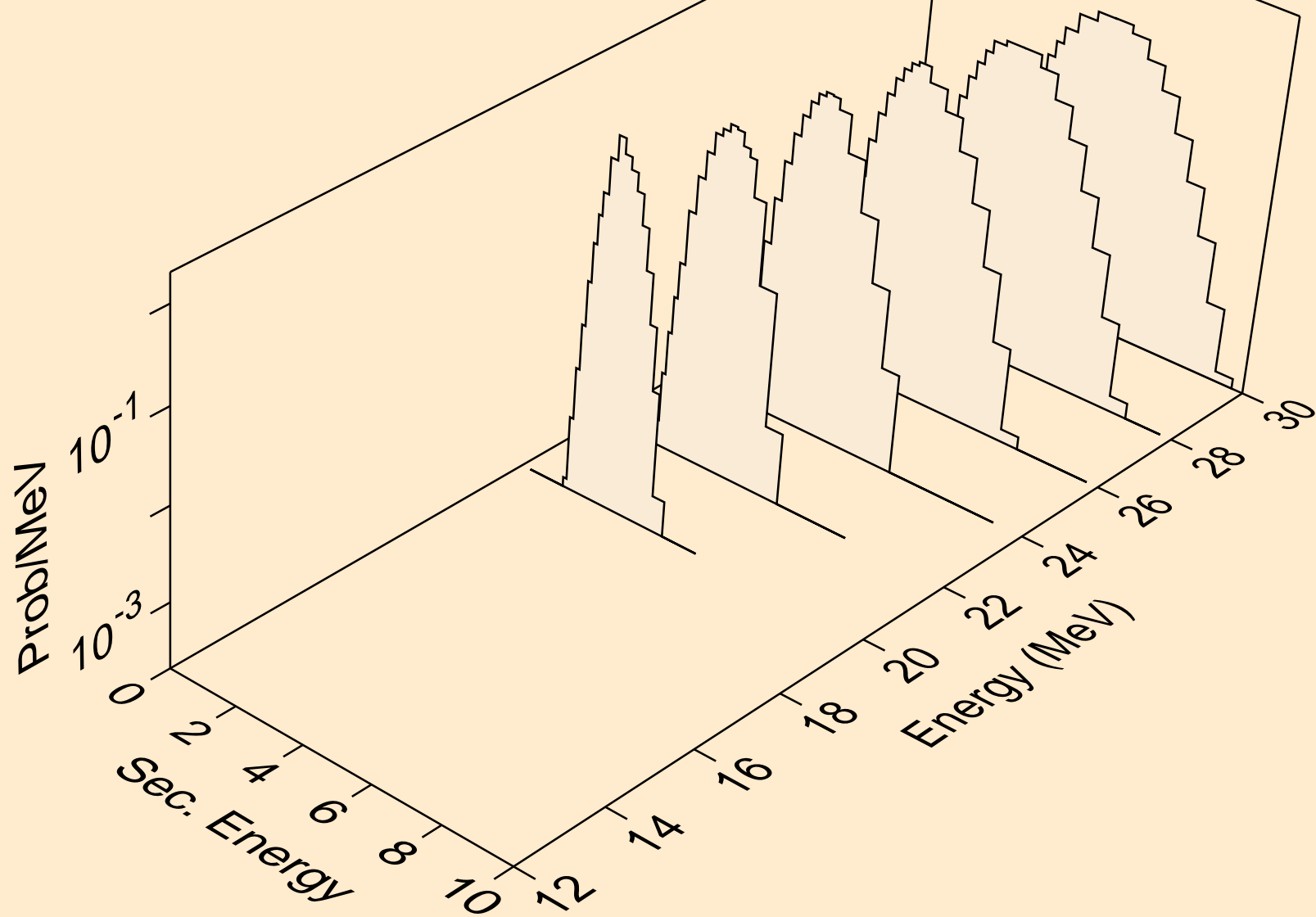
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pa)



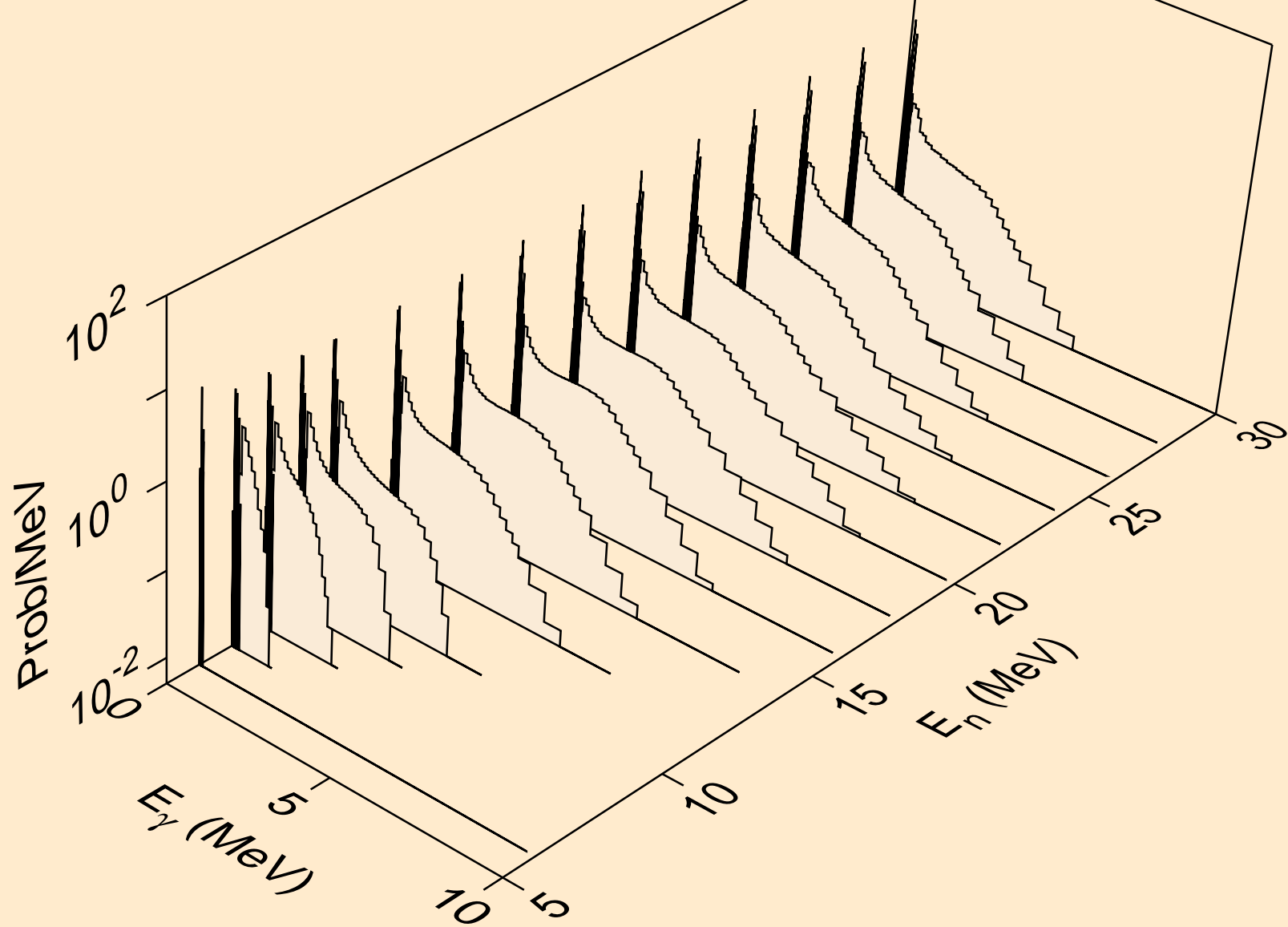
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pd)



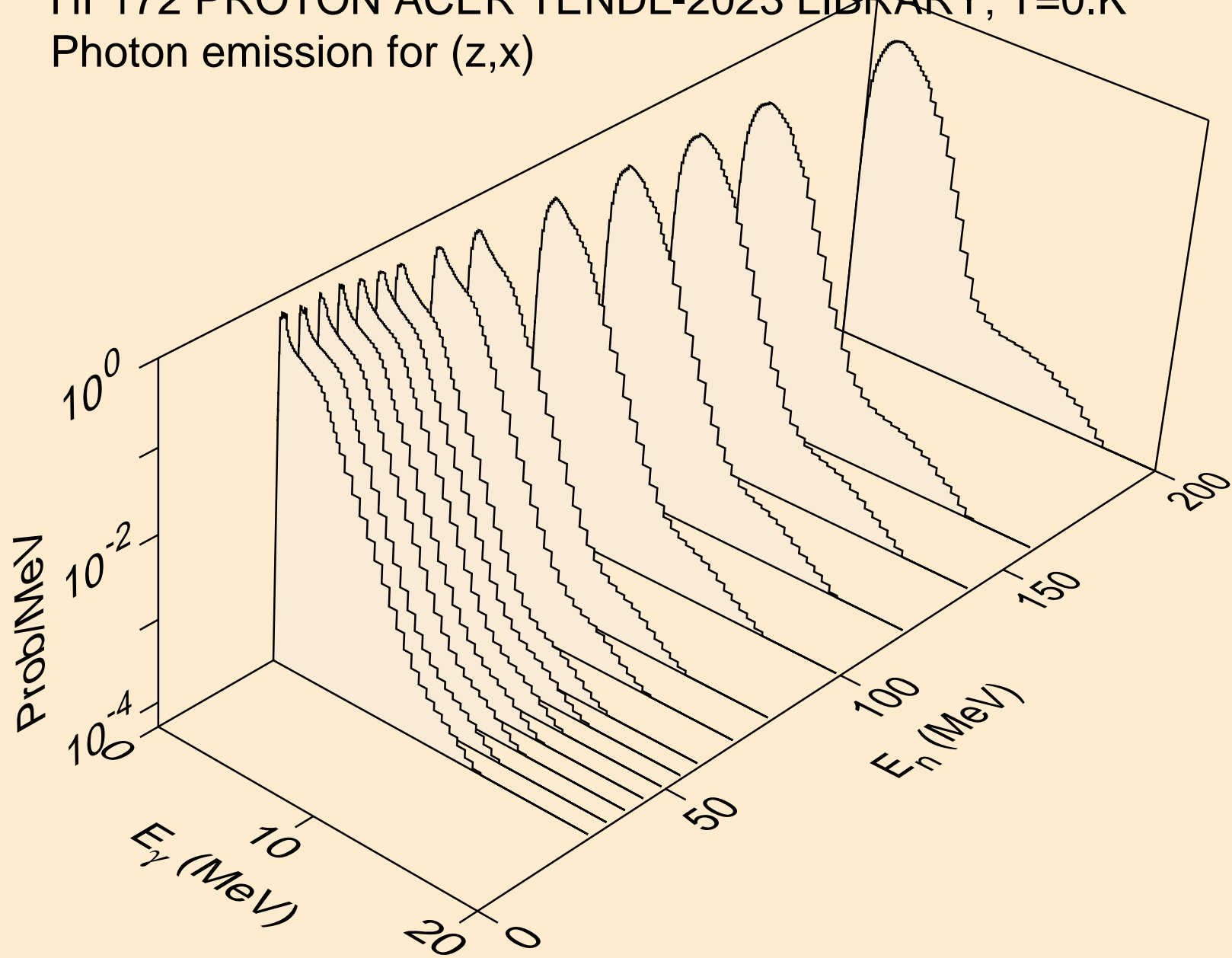
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Proton emission for (p,pt)



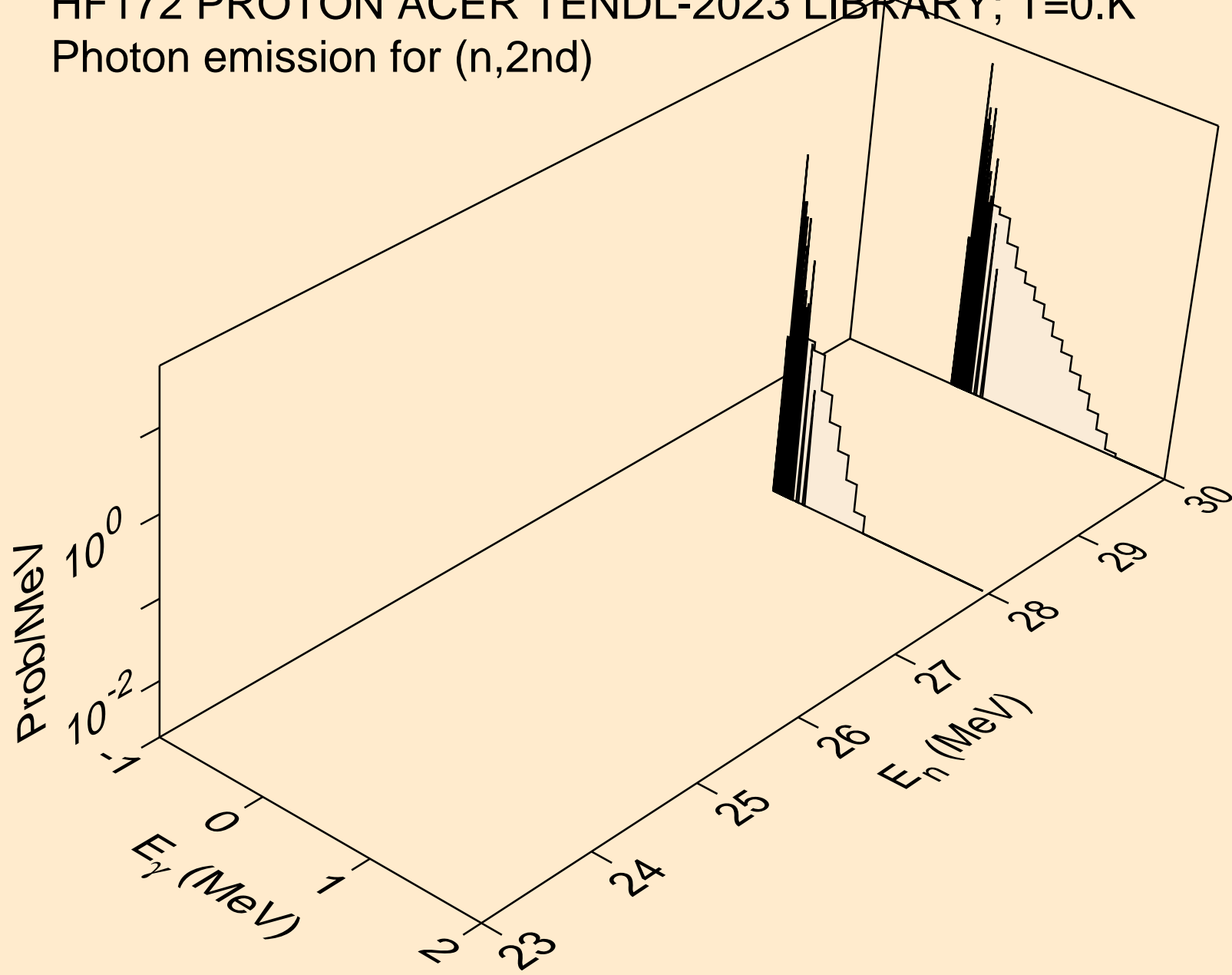
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Photon emission for (z,n)



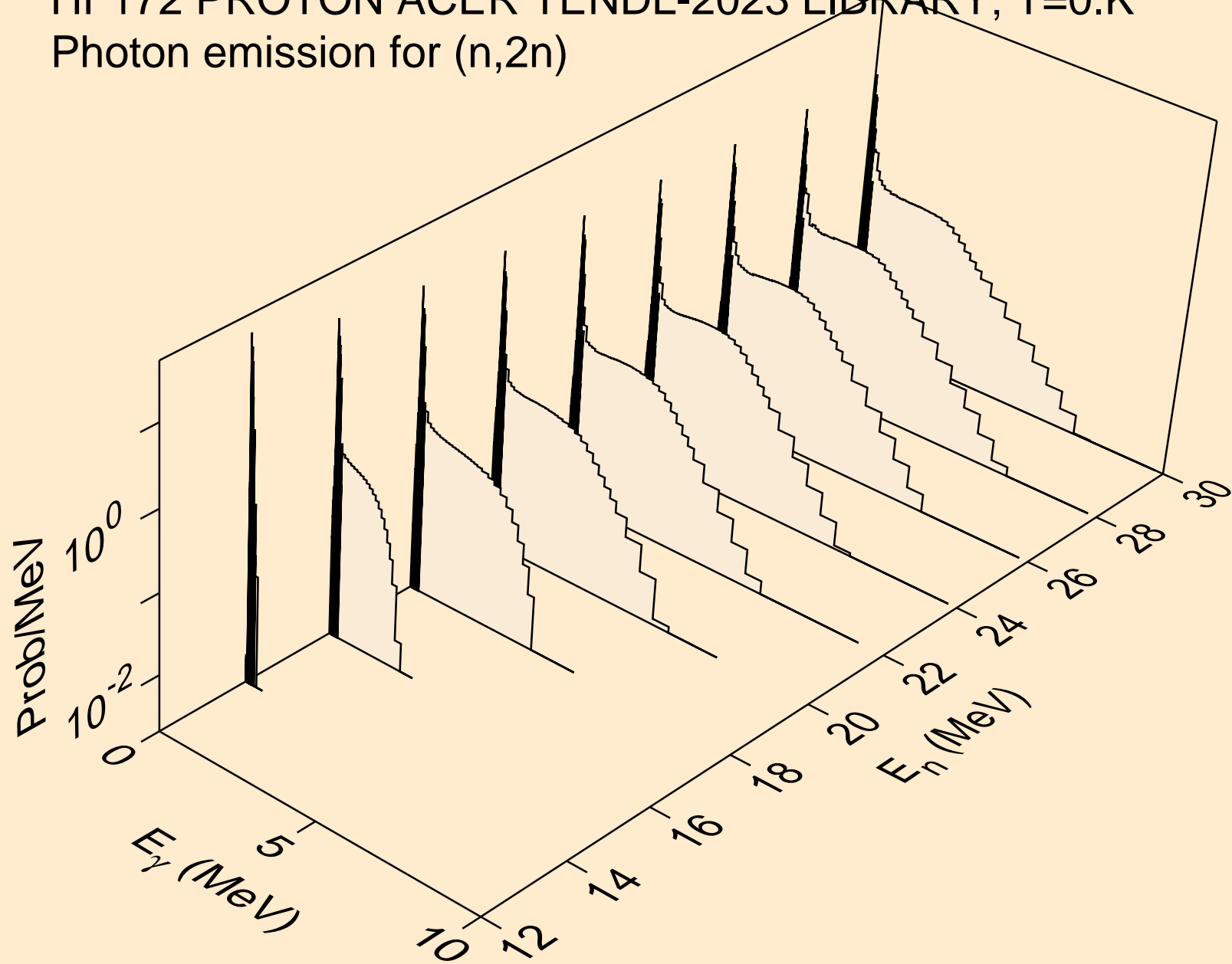
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)

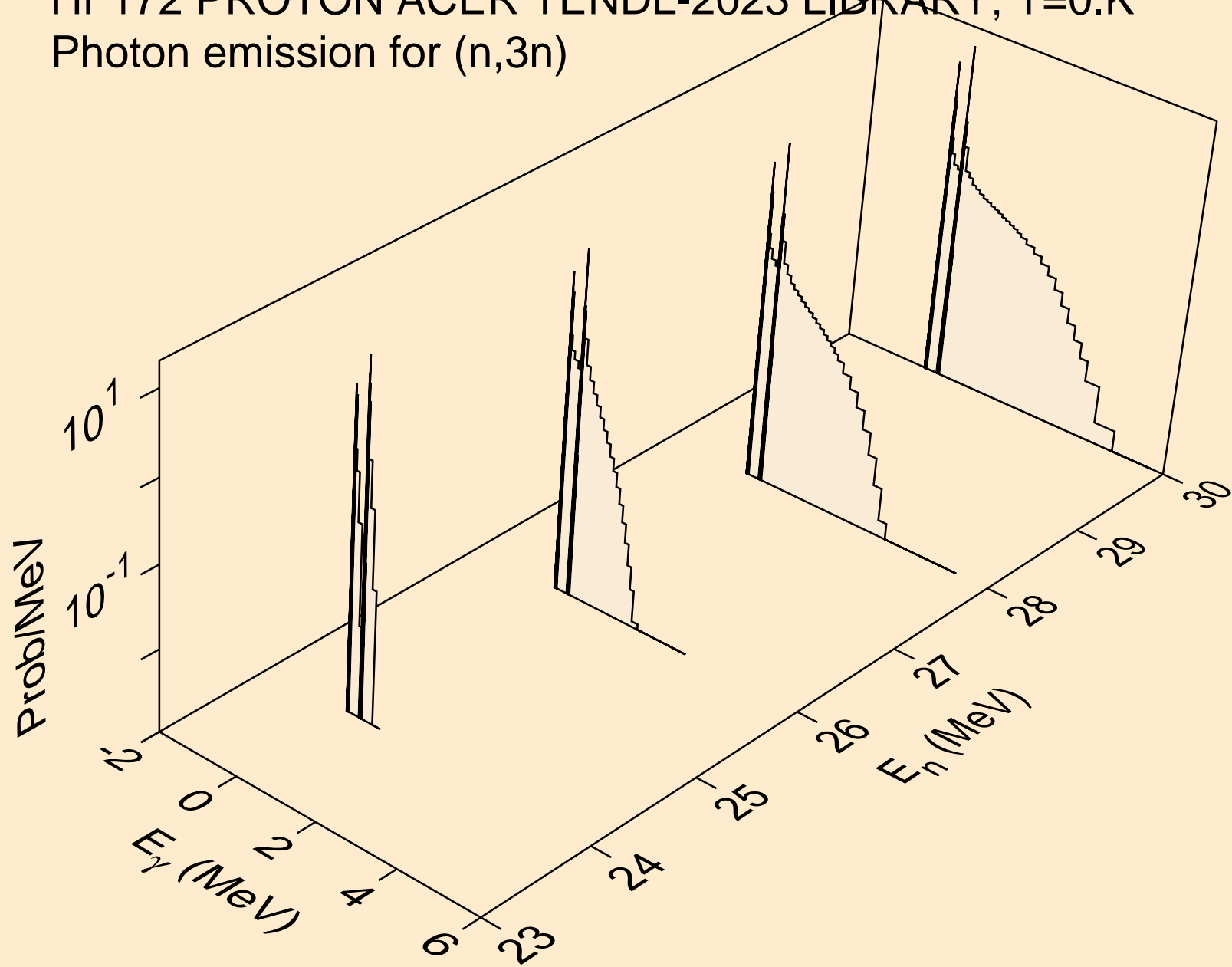


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Photon emission for (n,2n)

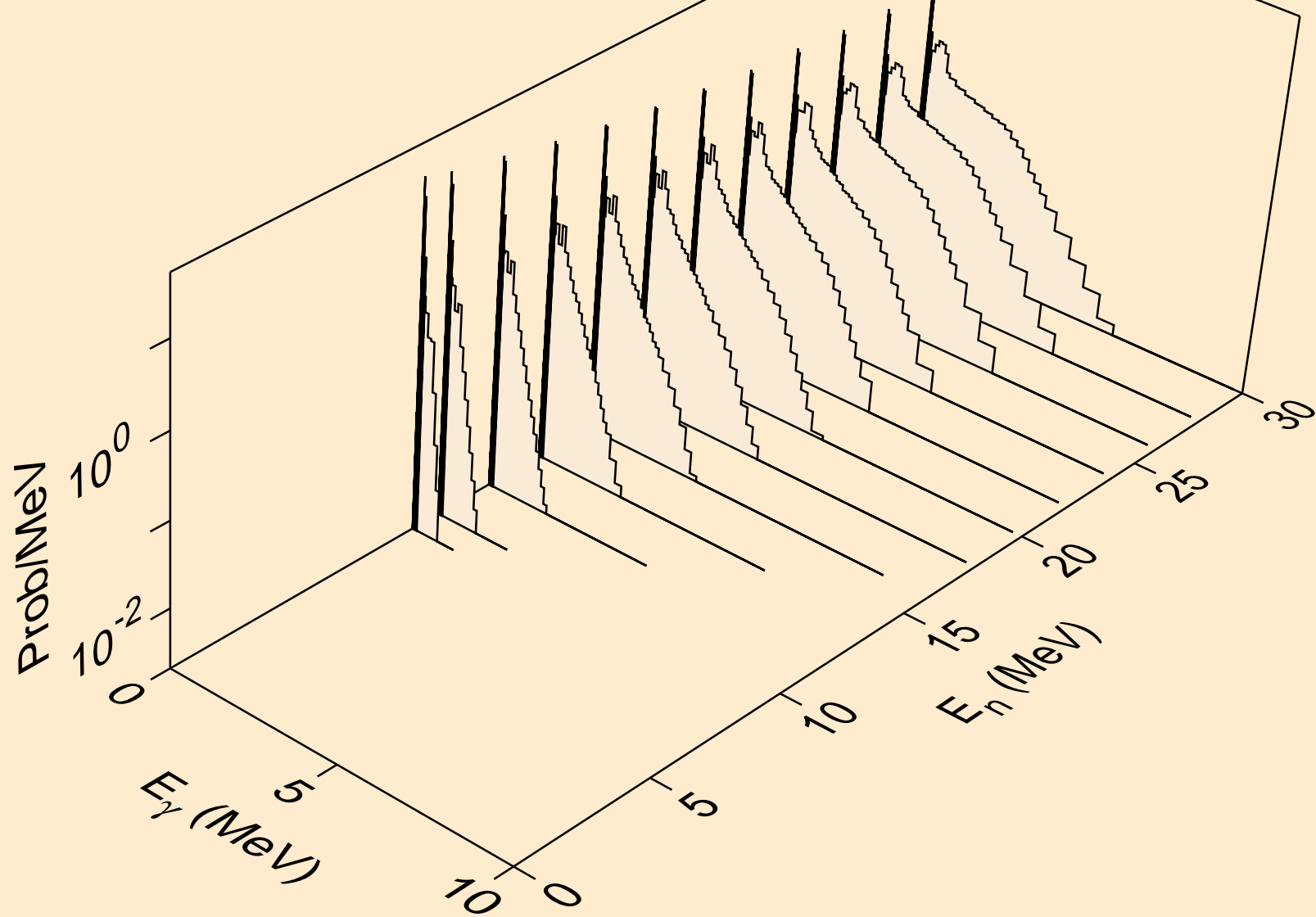




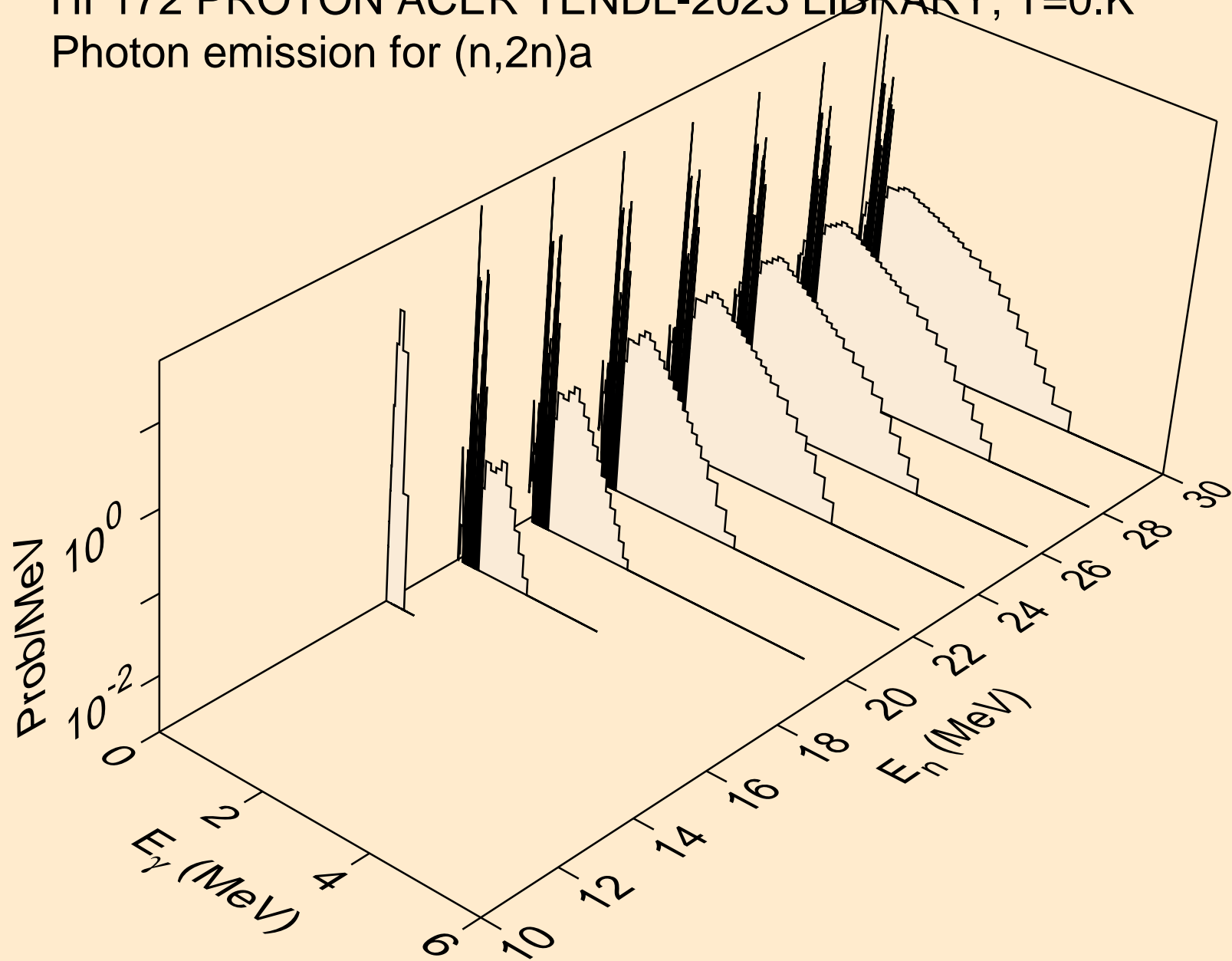
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Photon emission for (n,3n)



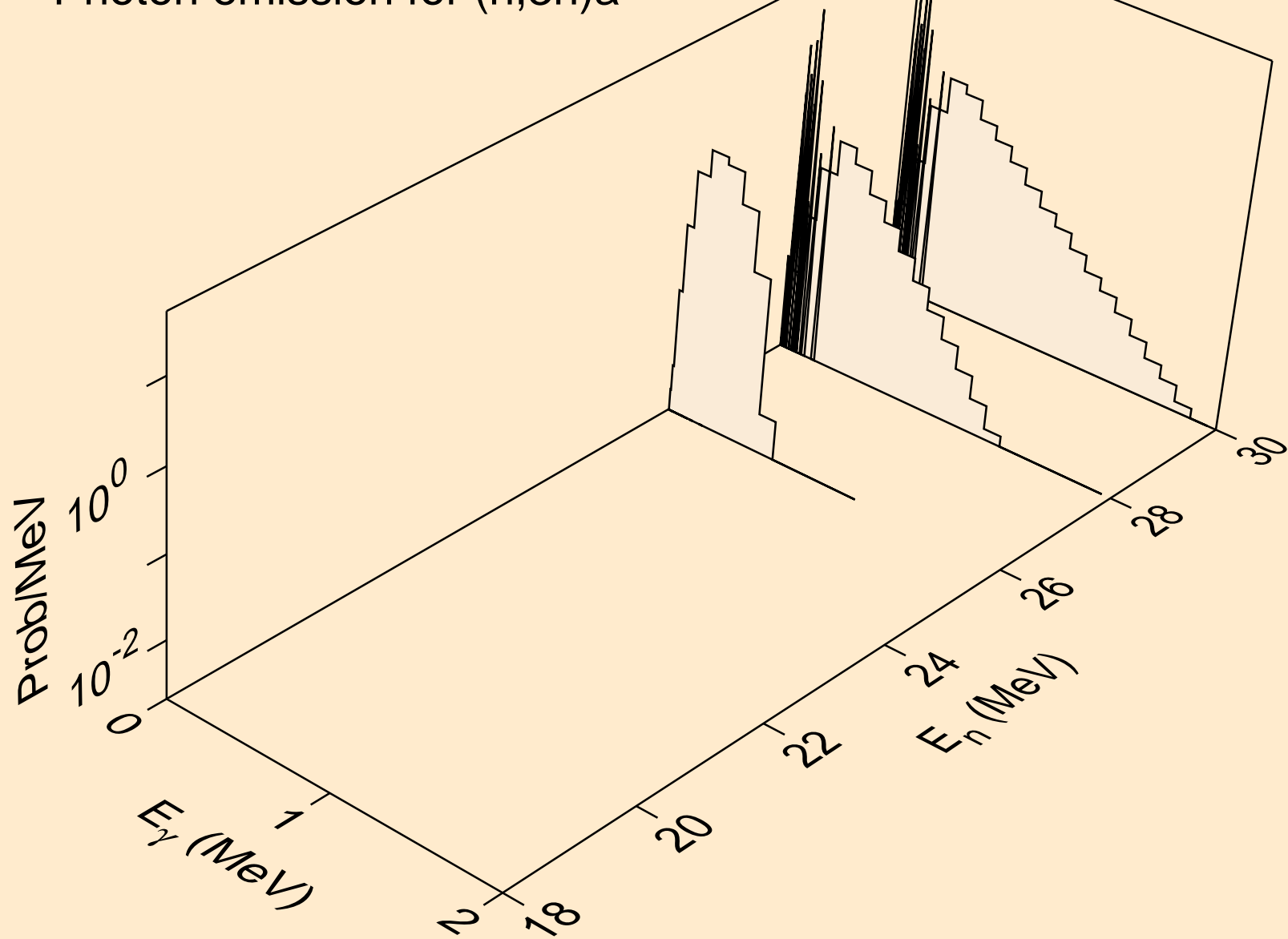
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Photon emission for (n,n\*)a



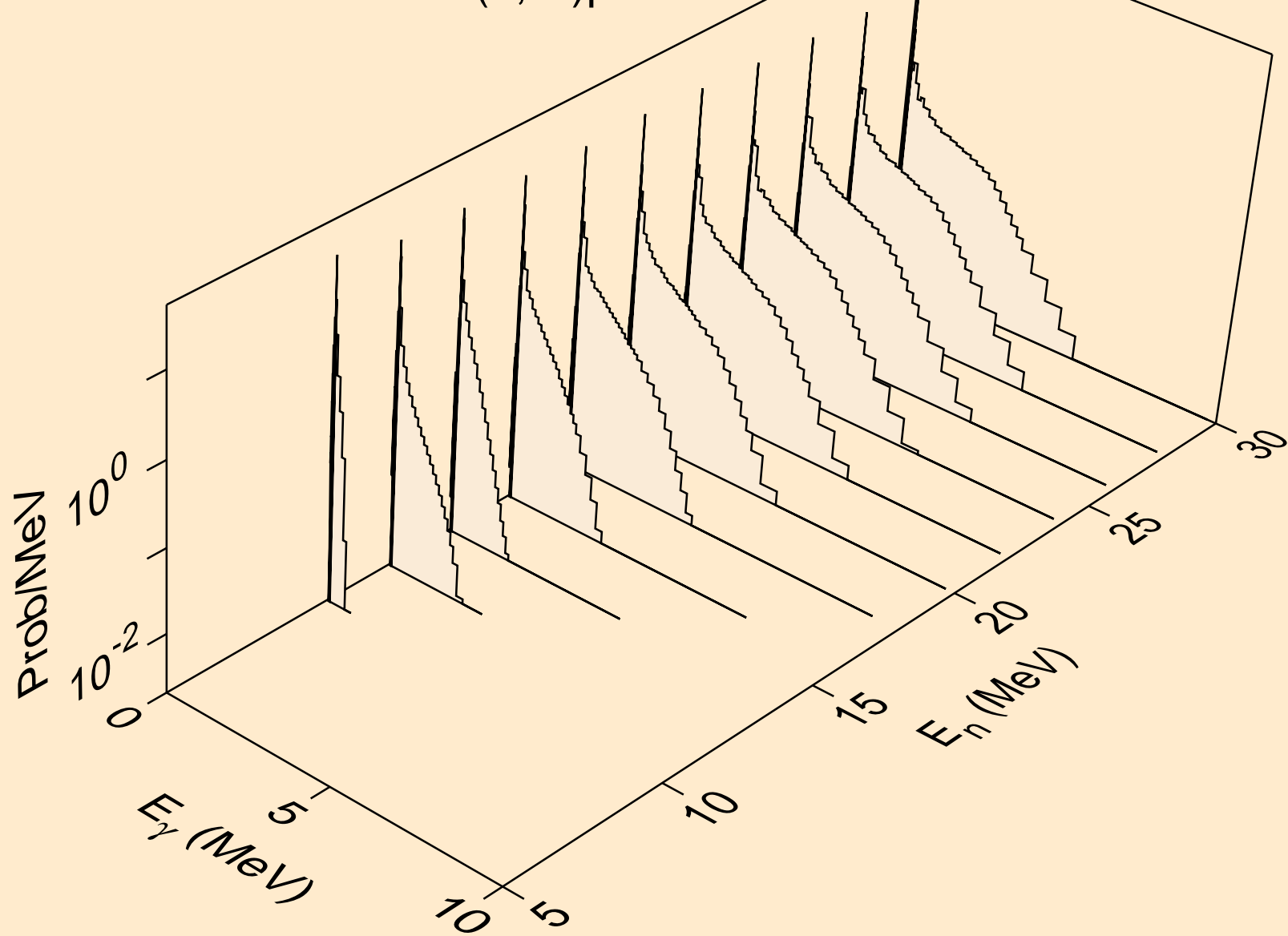
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Photon emission for (n,2n)a



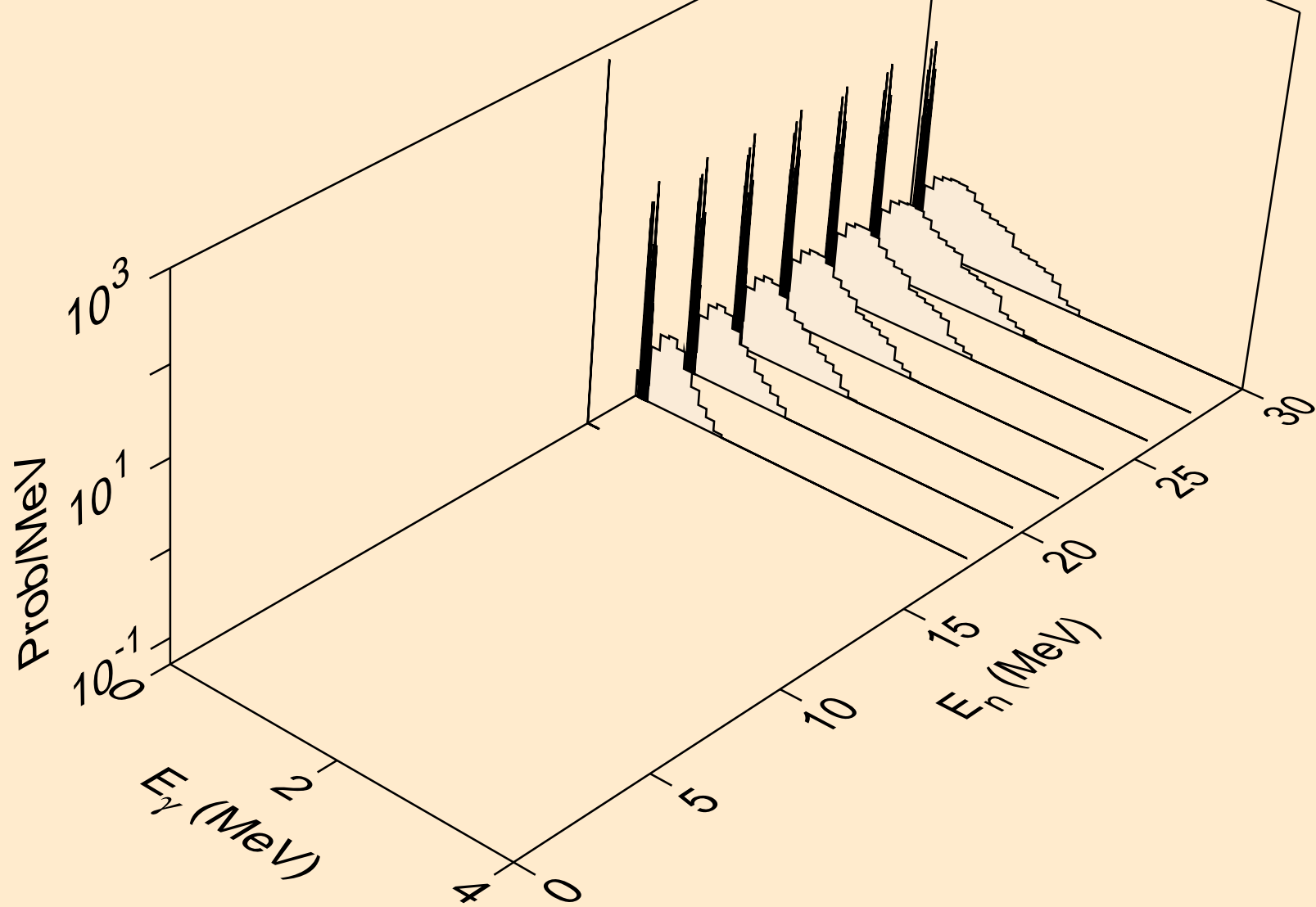
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Photon emission for (n,3n)a



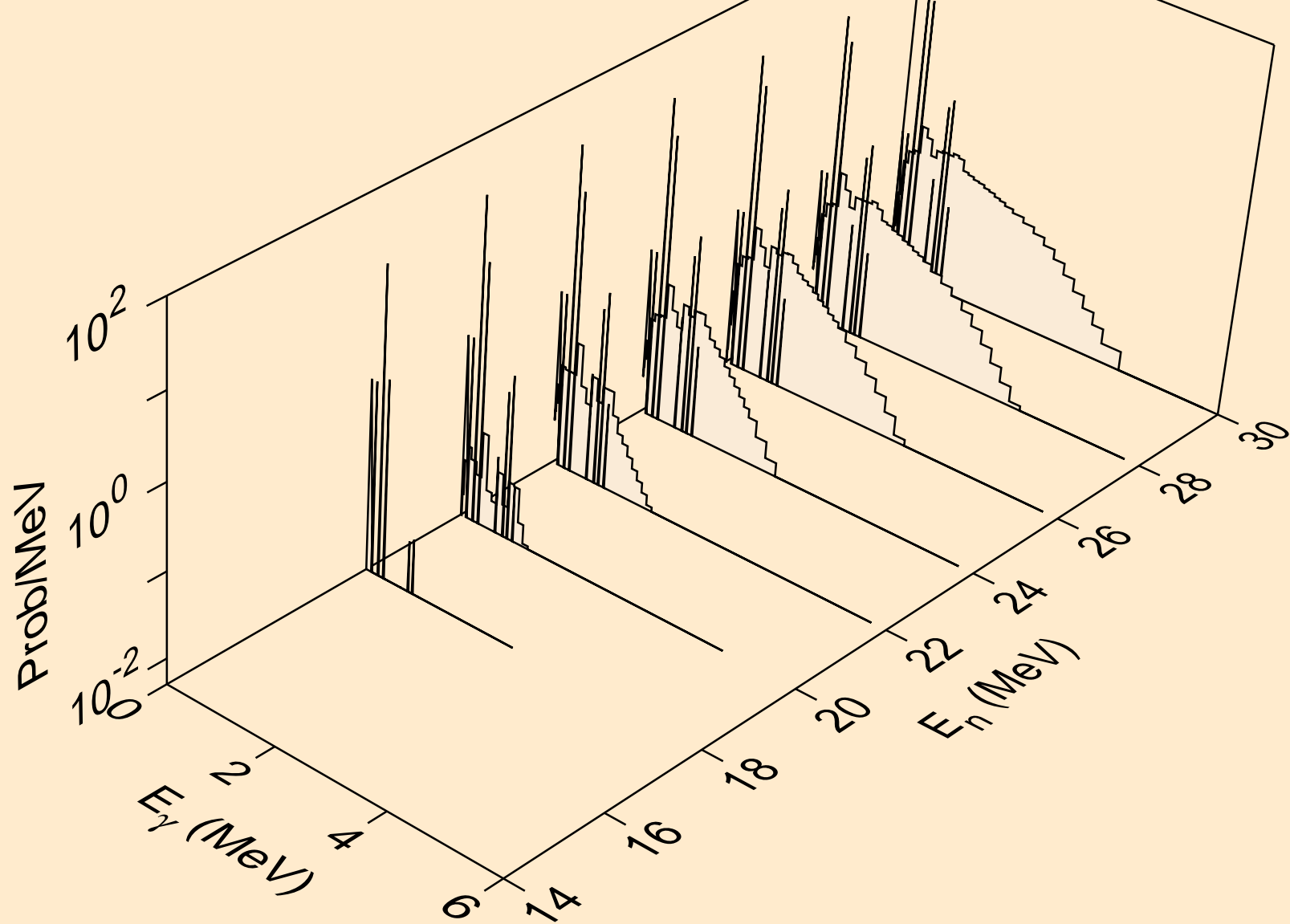
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Photon emission for (n,n\*)p



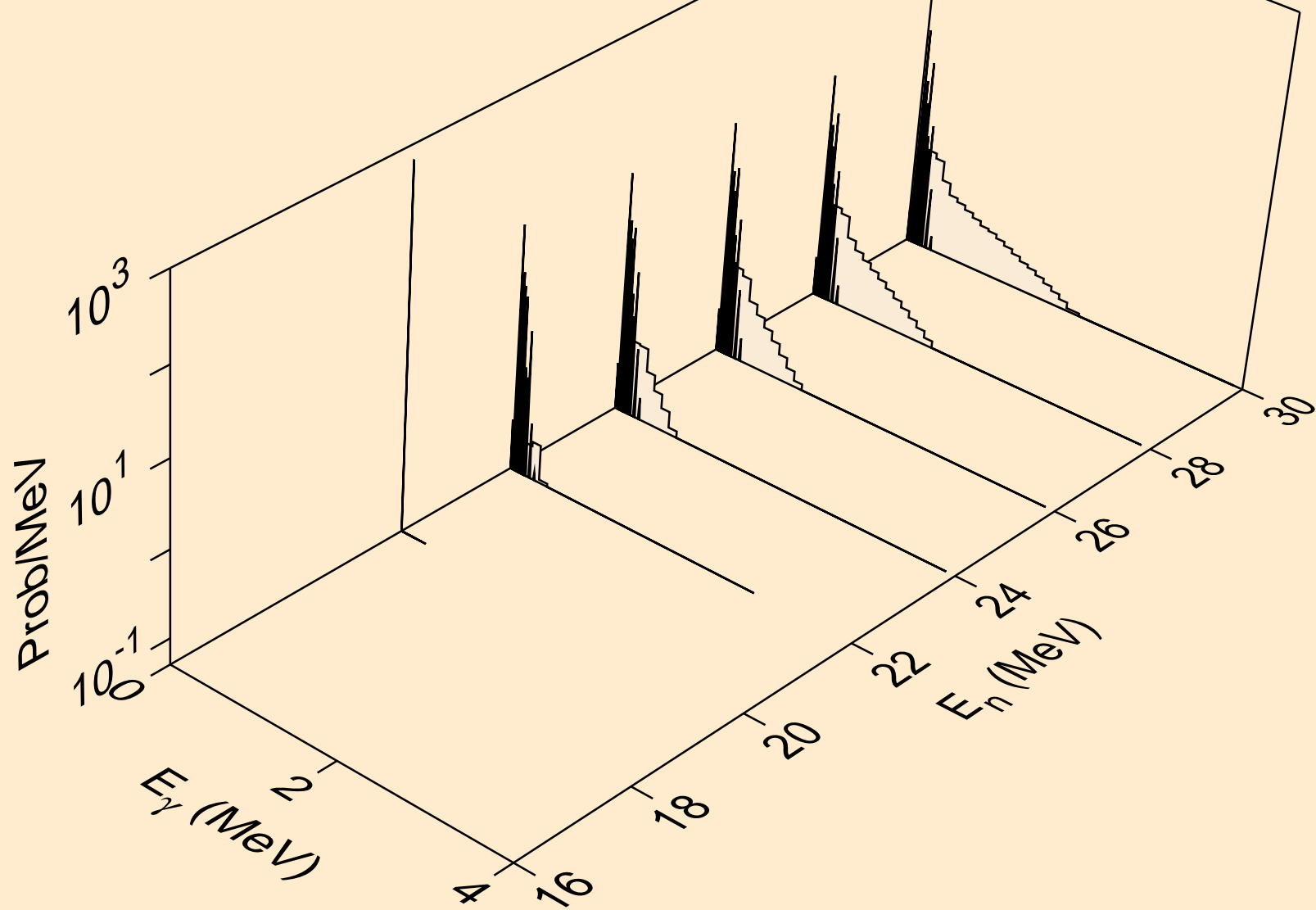
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

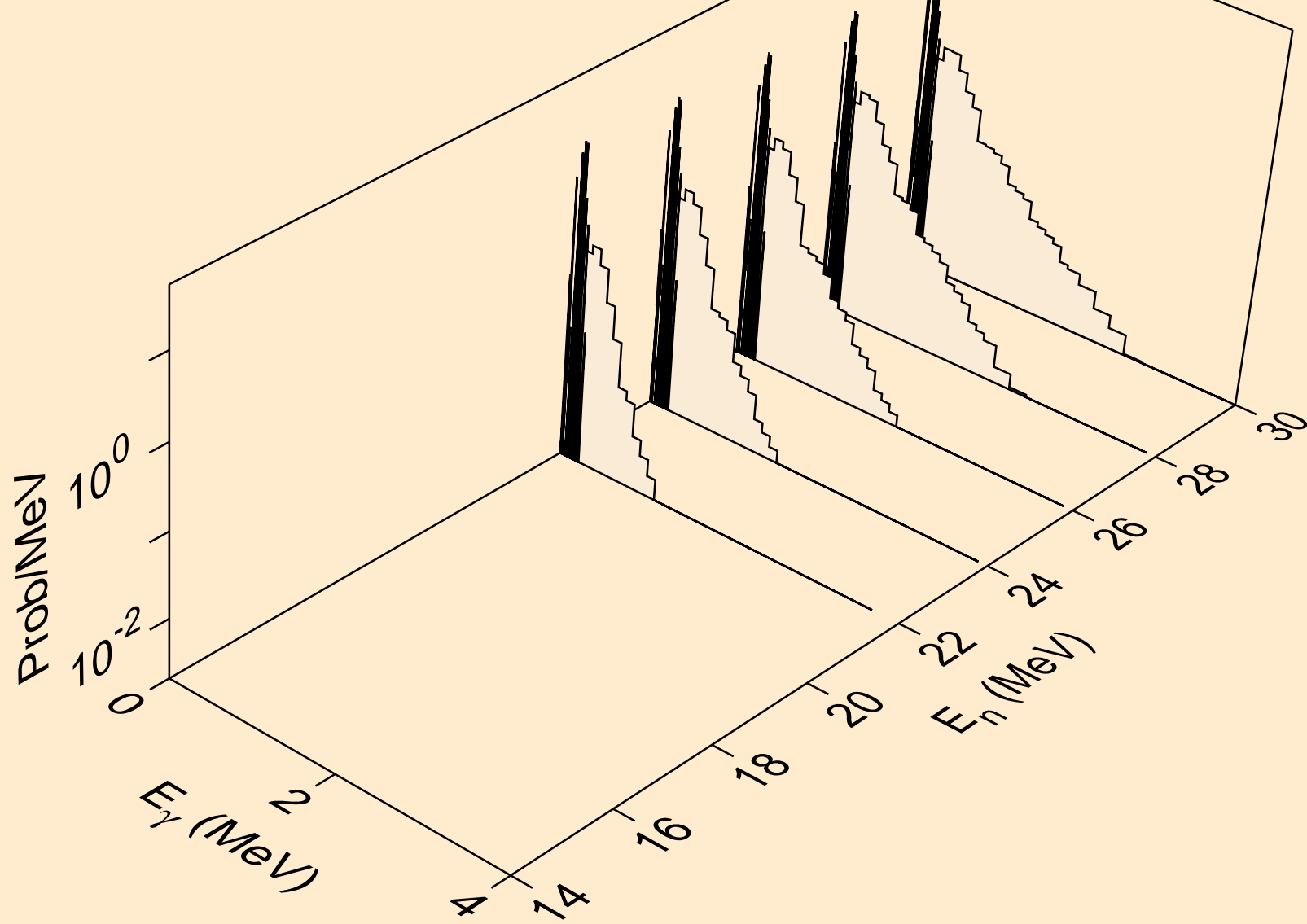


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Photon emission for (n,n\*)t

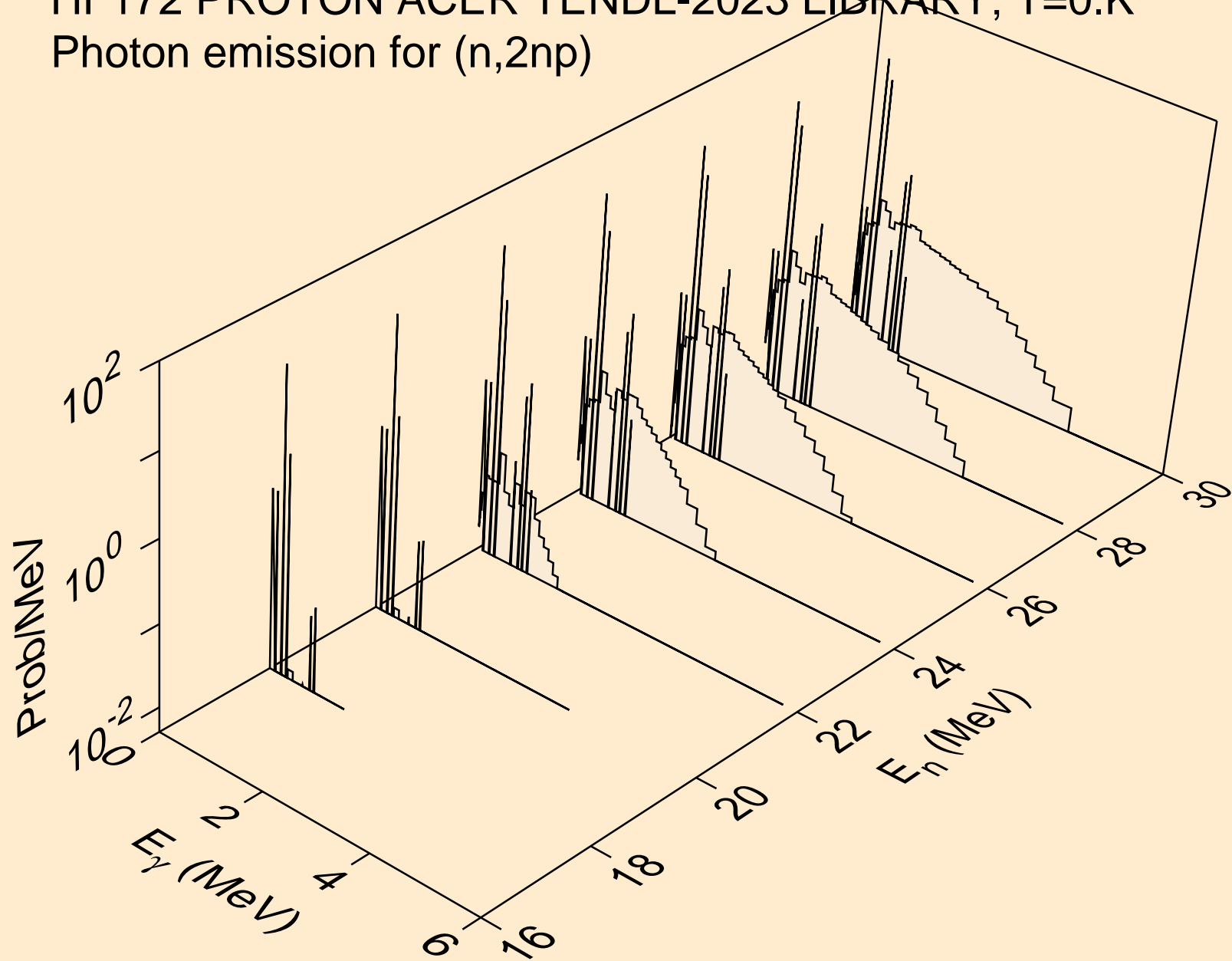




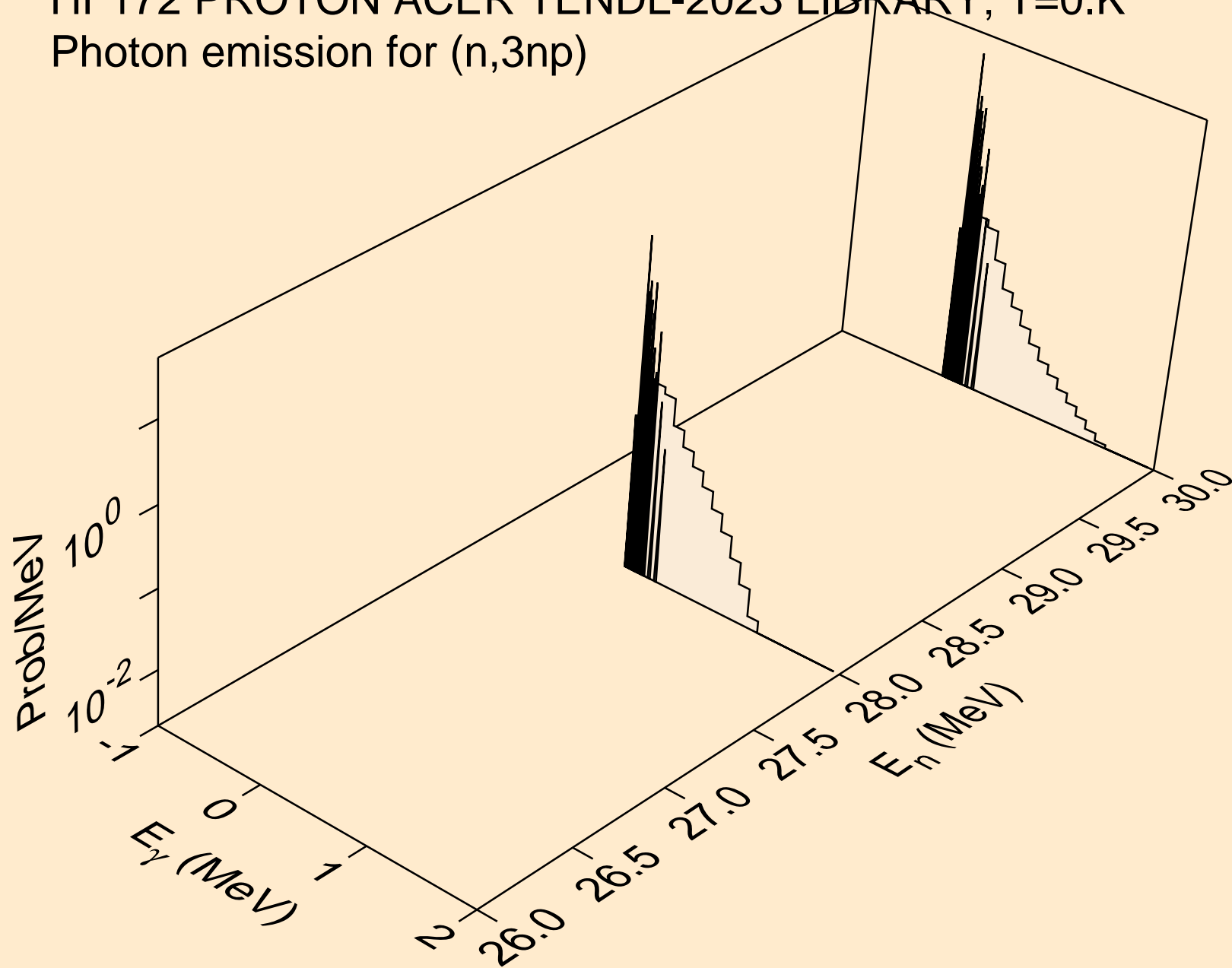
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Photon emission for (n,n\*)he3



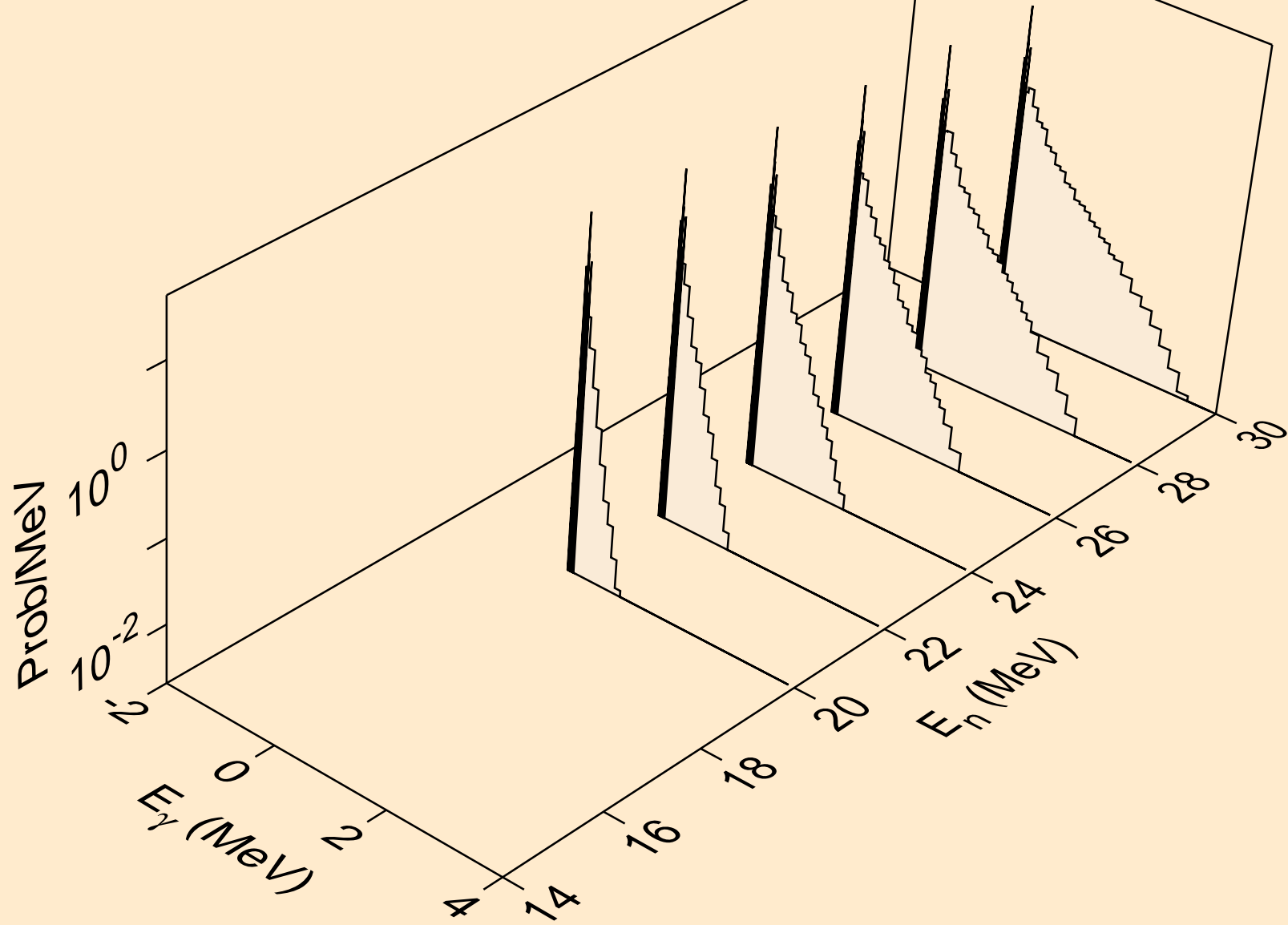
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Photon emission for (n,2np)



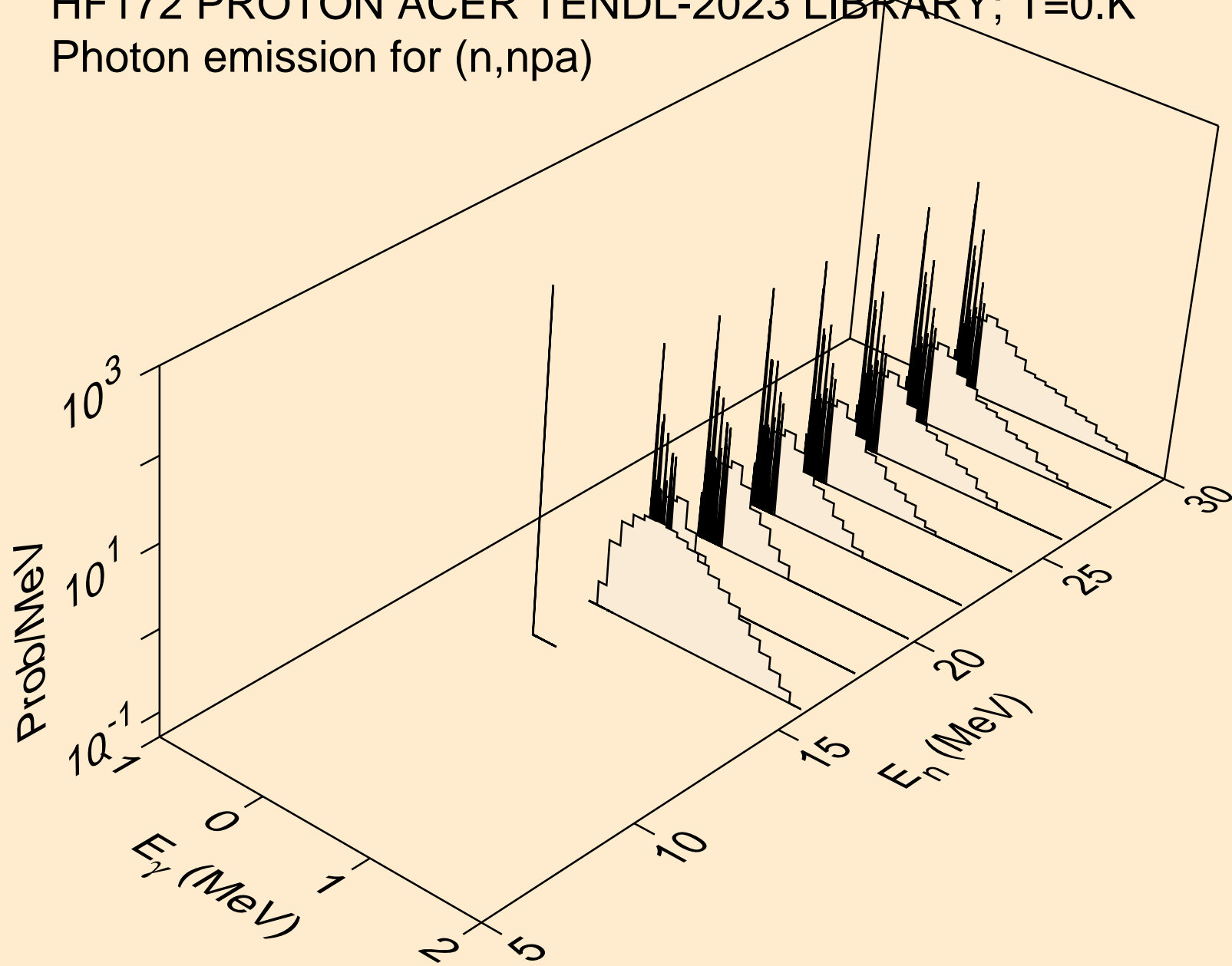
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Photon emission for (n,3np)



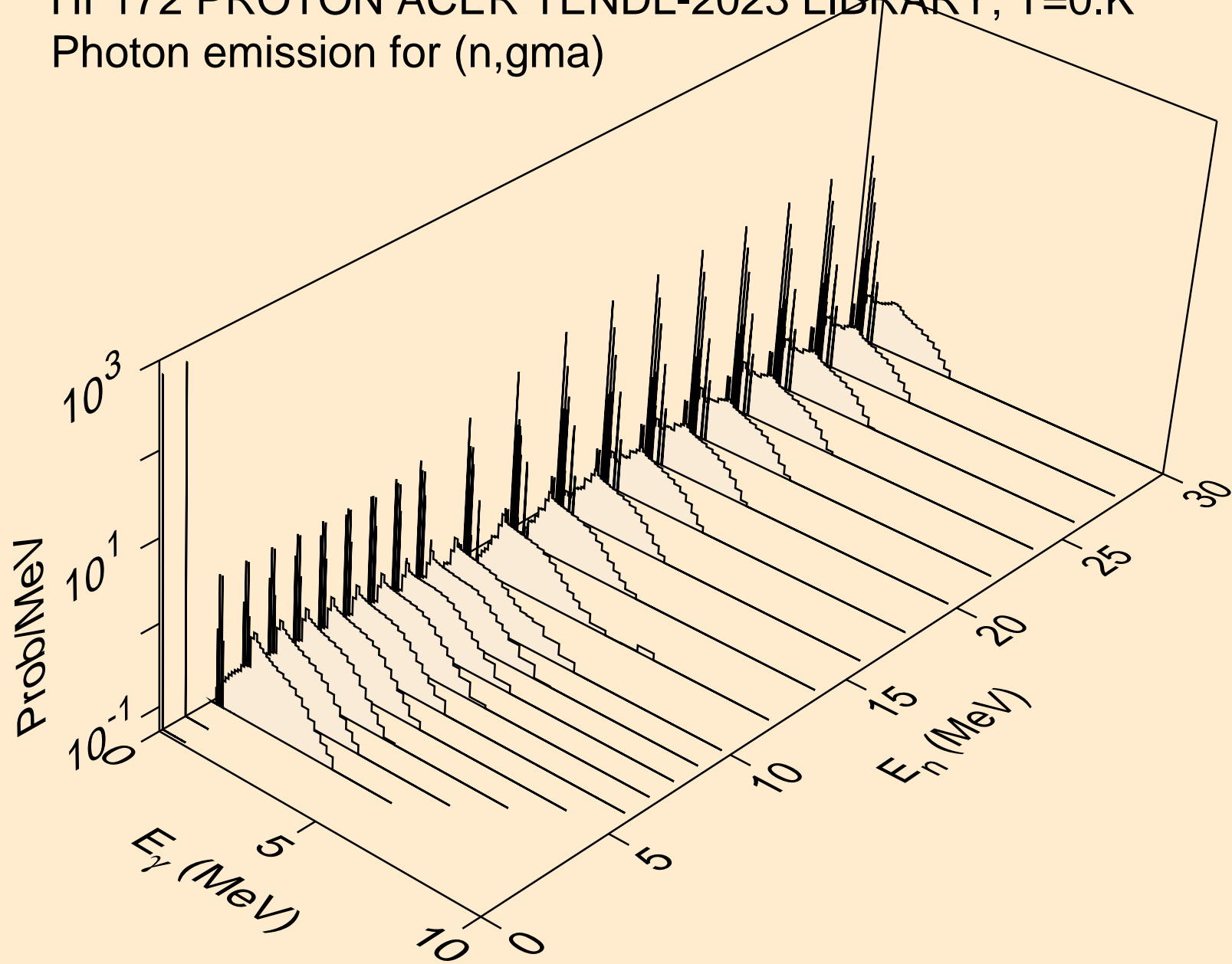
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Photon emission for (n,n2p)



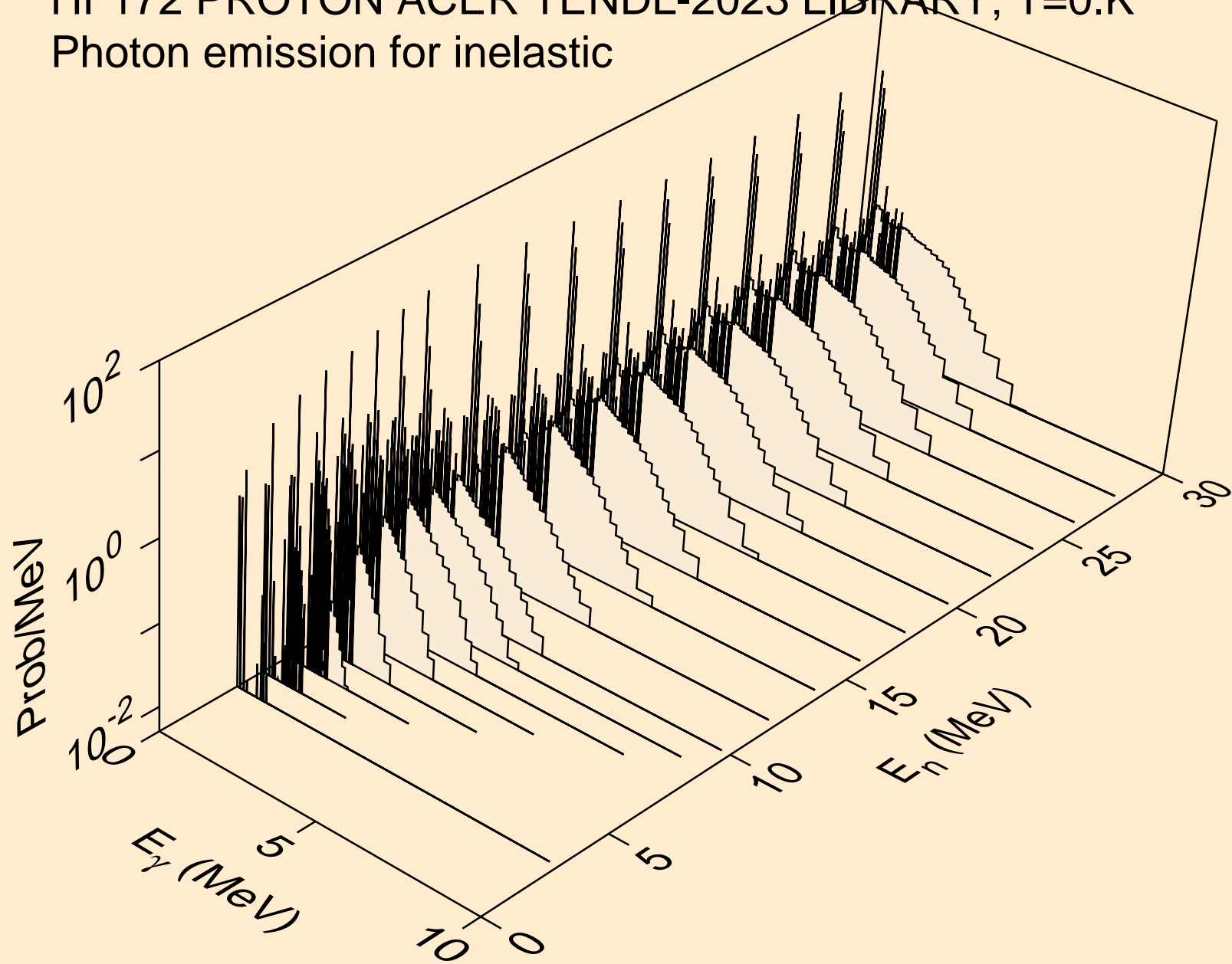
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Photon emission for (n,npa)



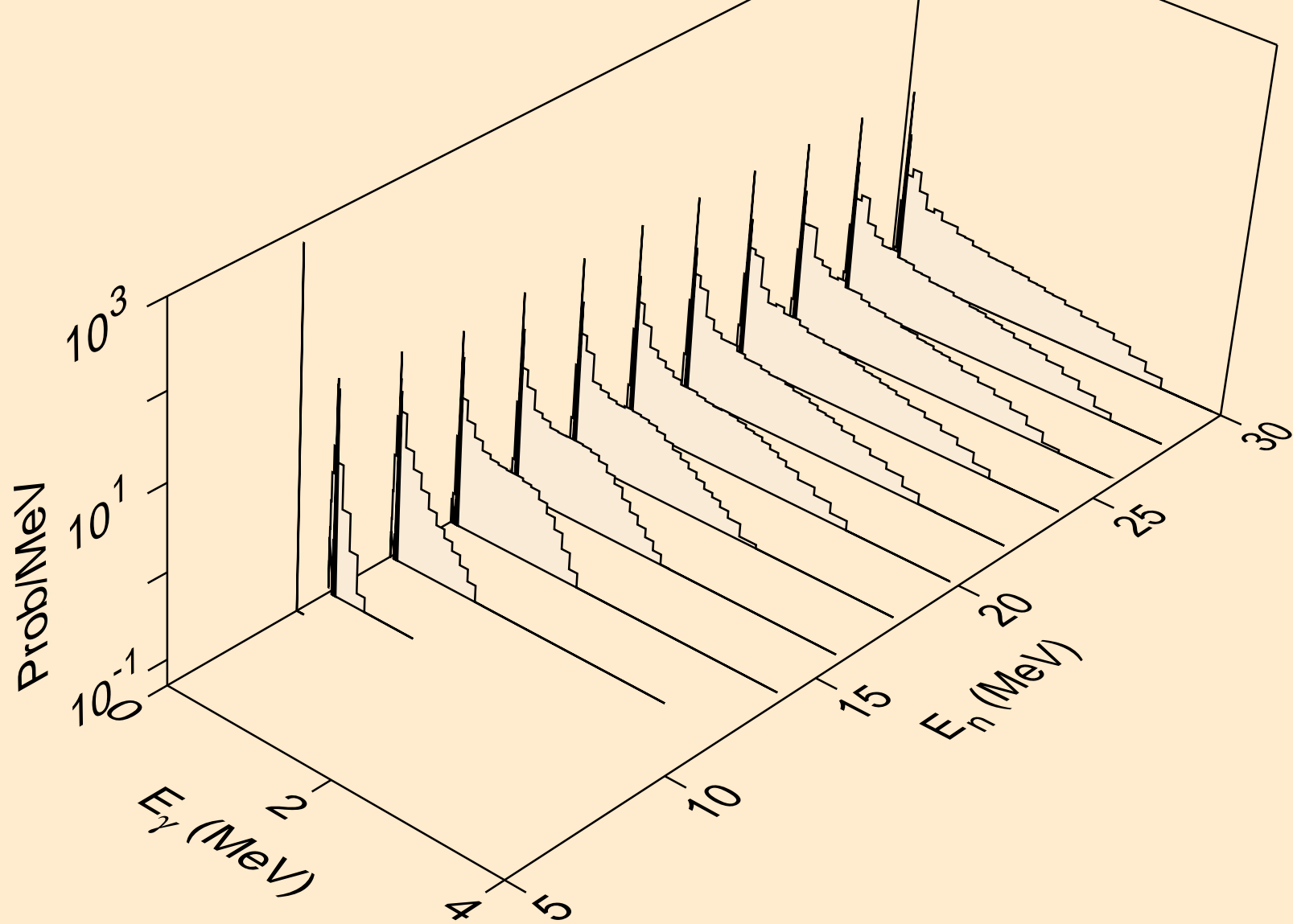
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic

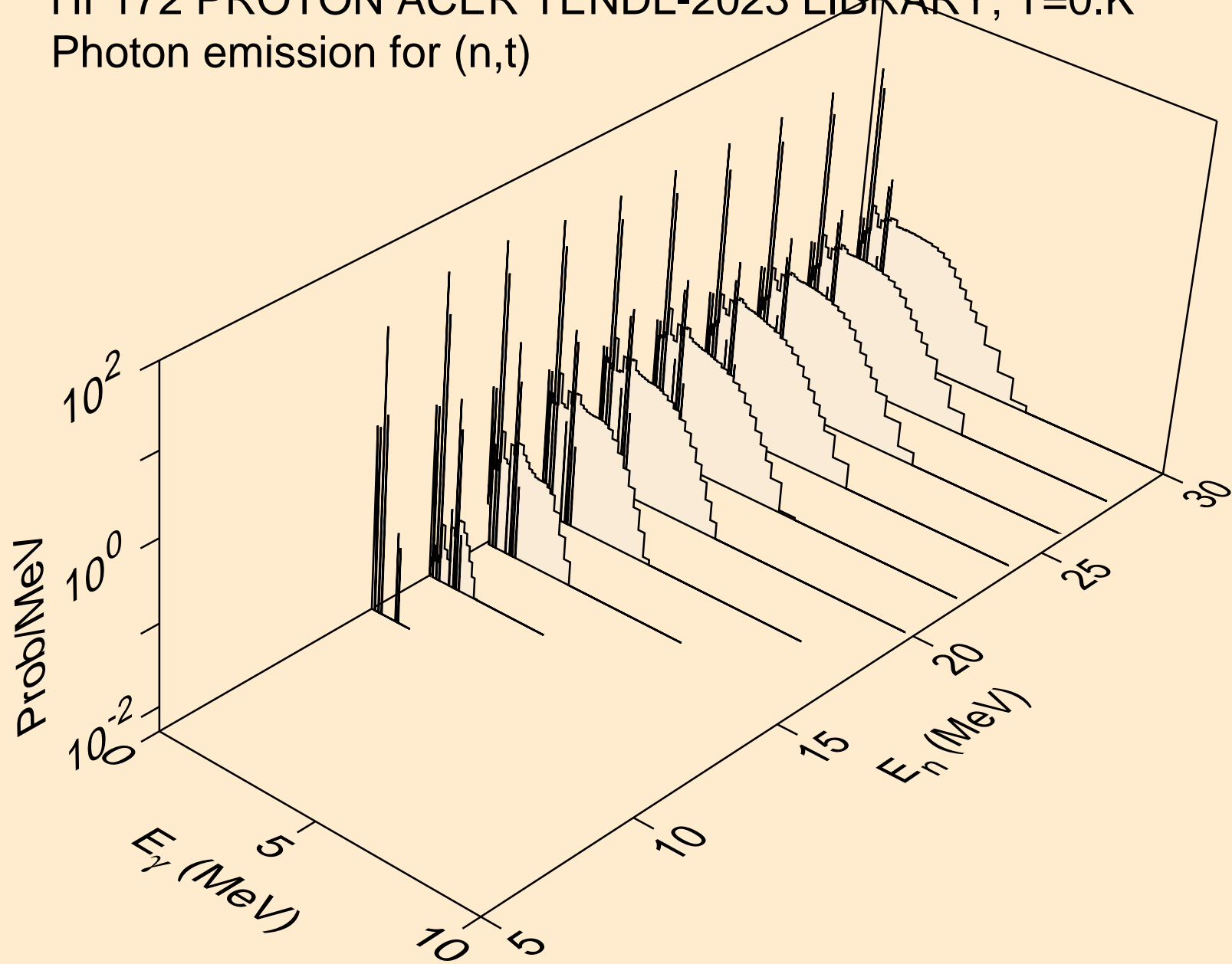


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Photon emission for (n,d)

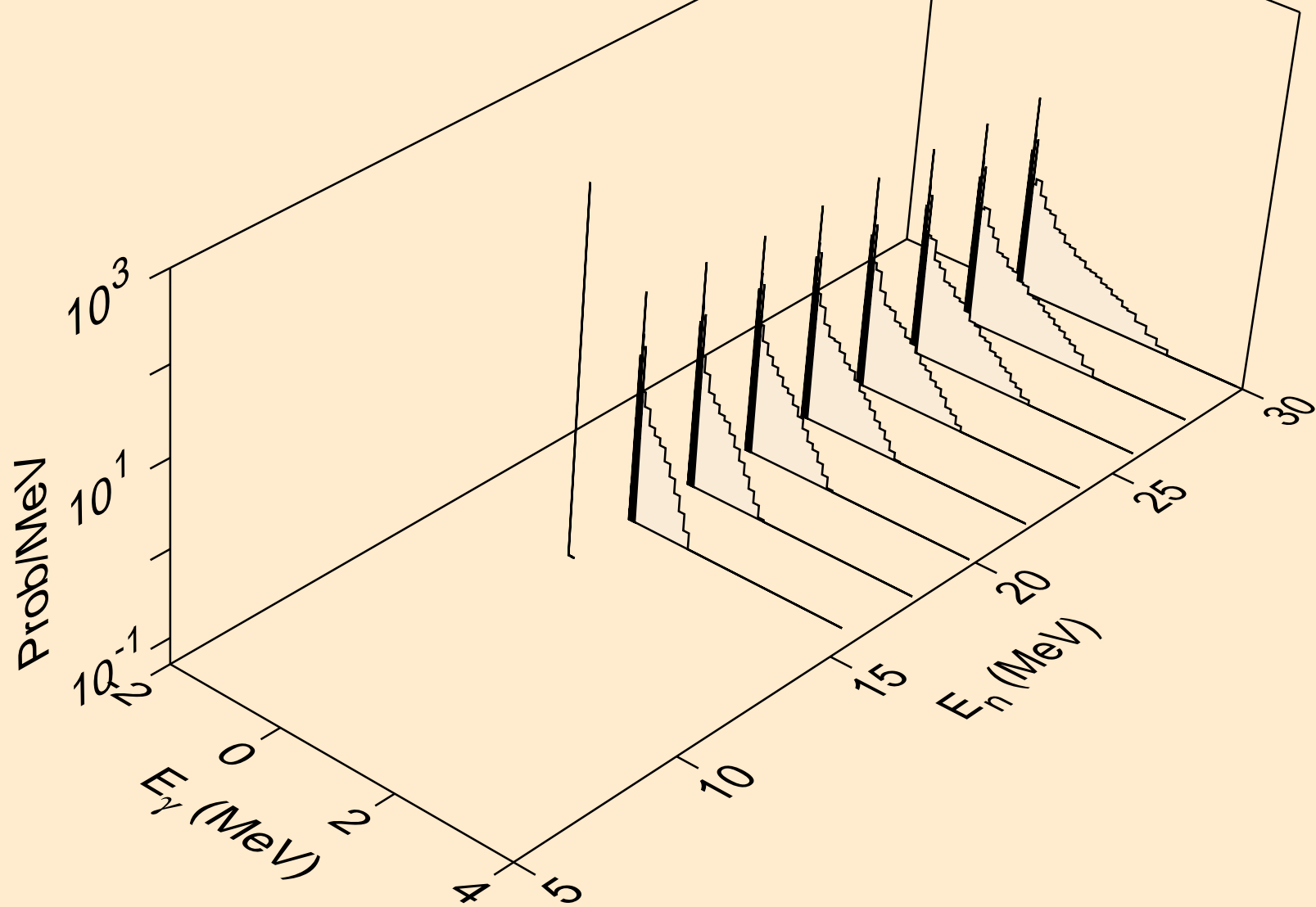




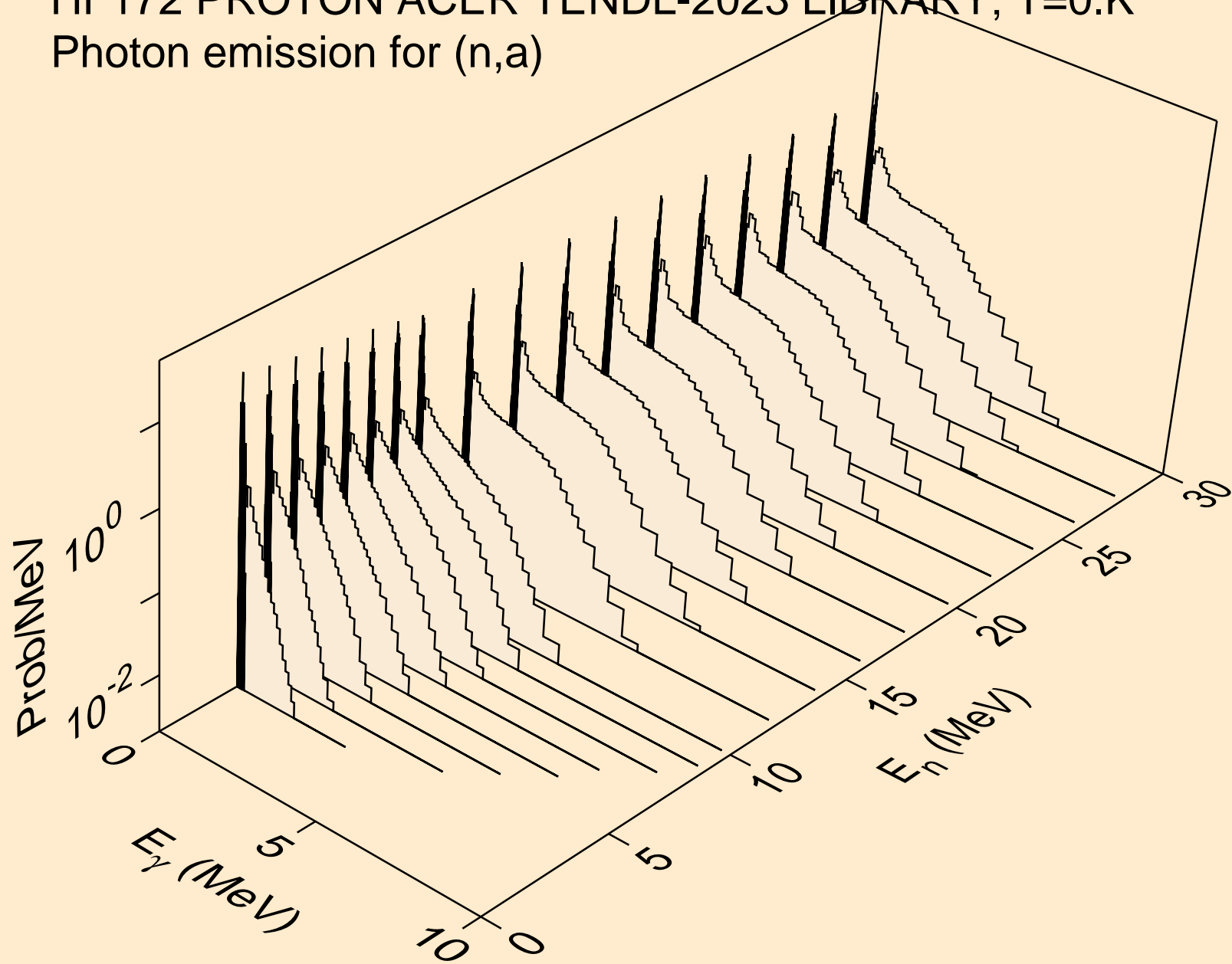
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Photon emission for (n,t)



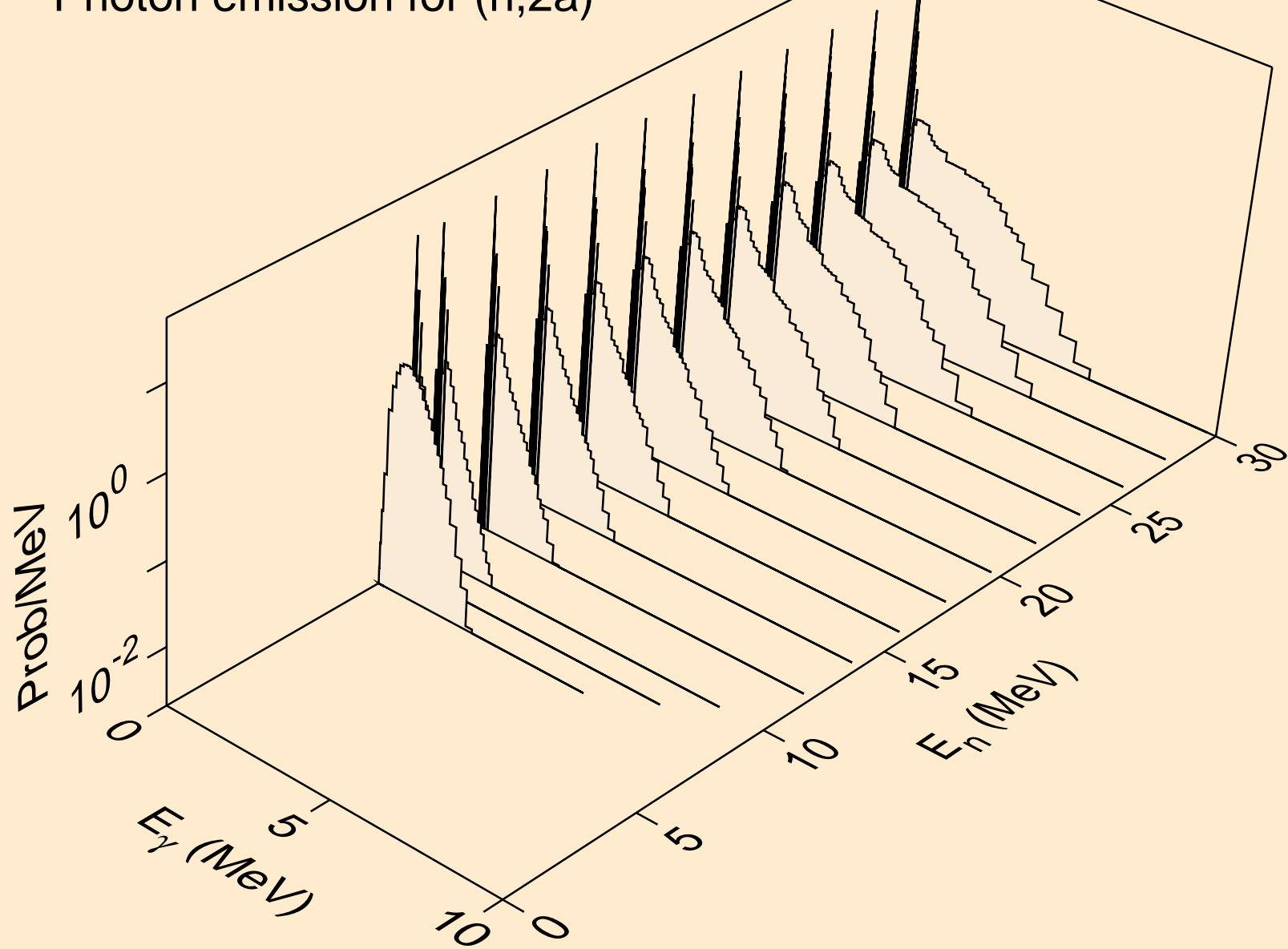
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Photon emission for (n,he3)



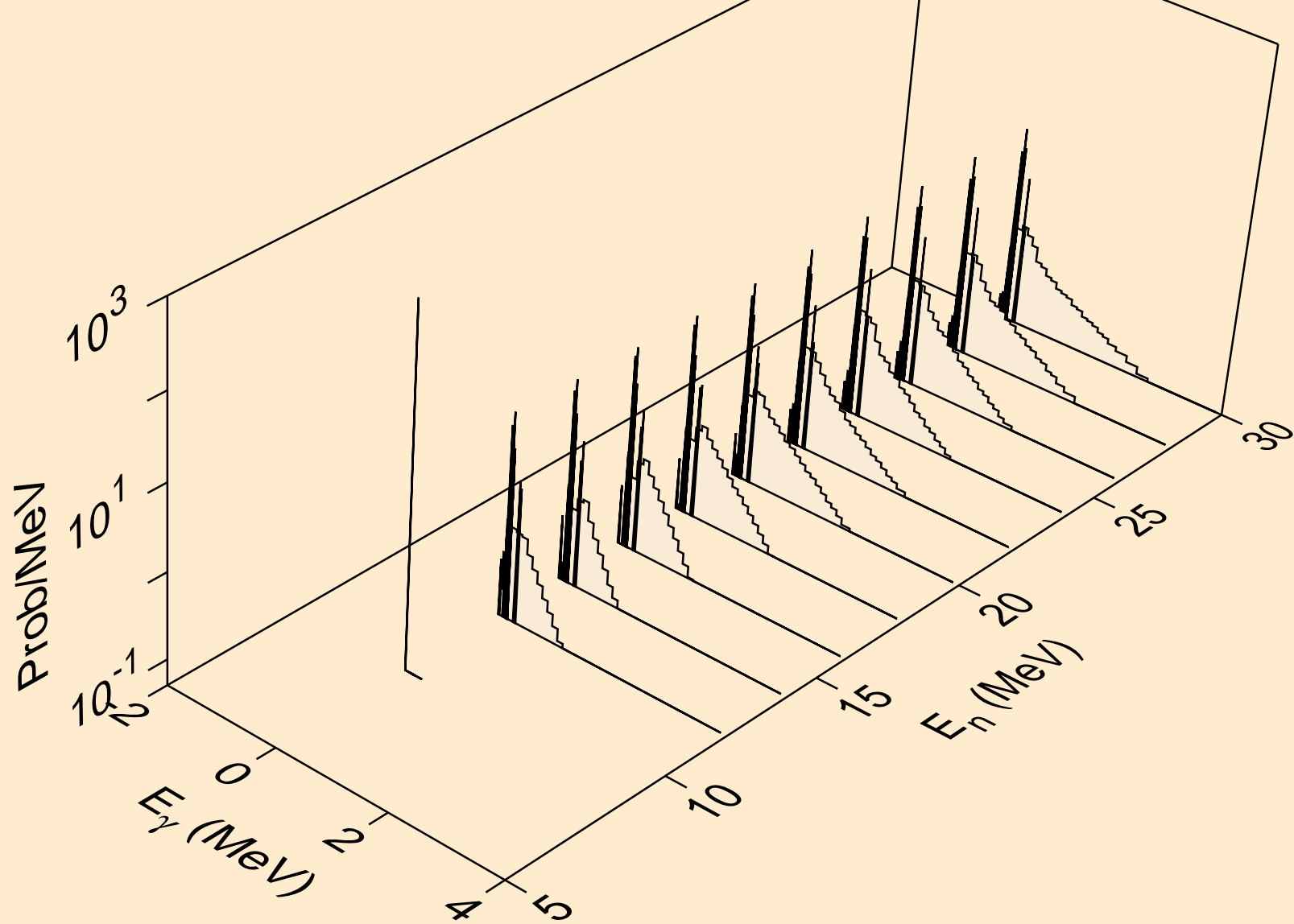
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Photon emission for (n,a)



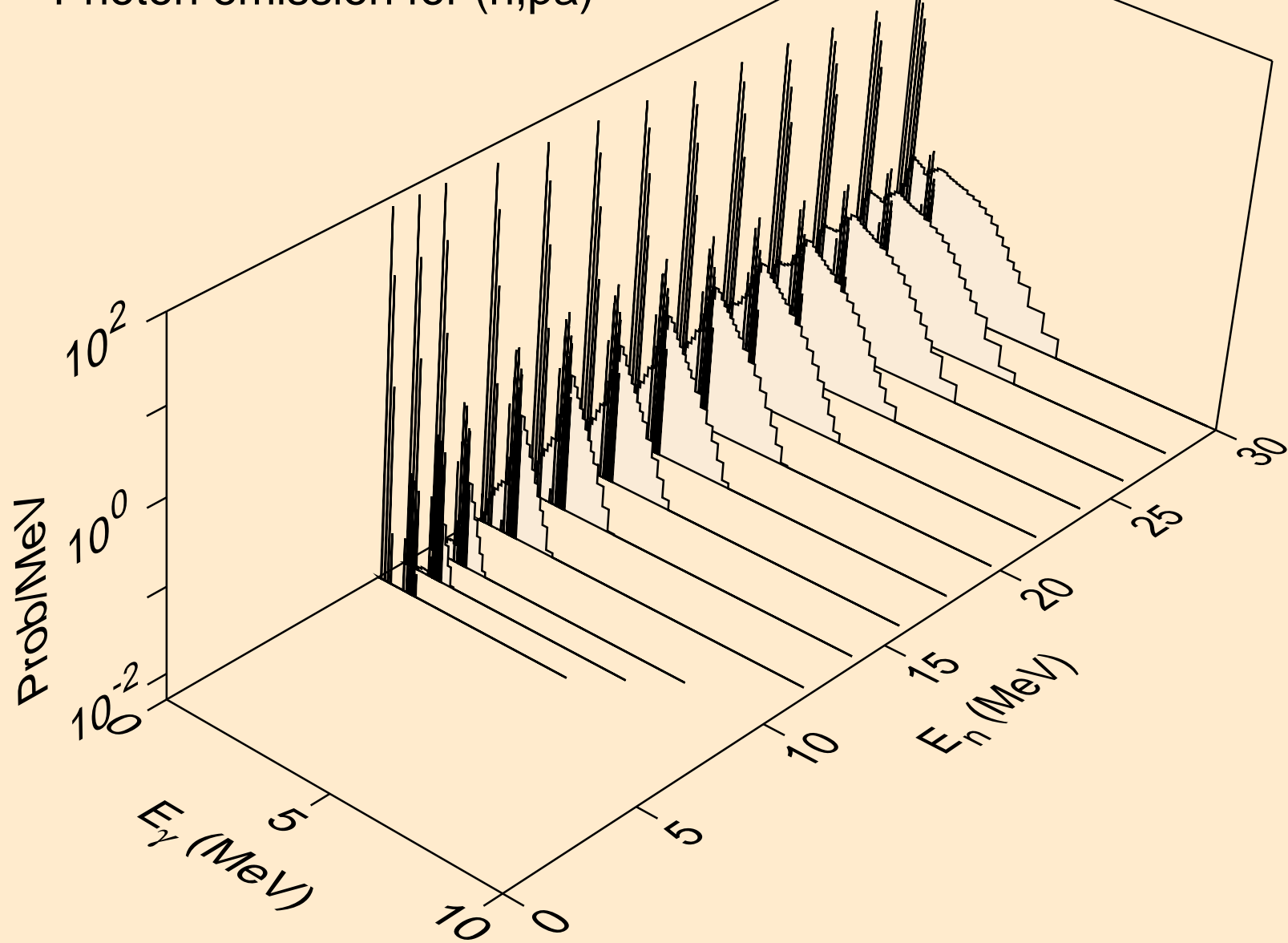
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Photon emission for (n,2a)



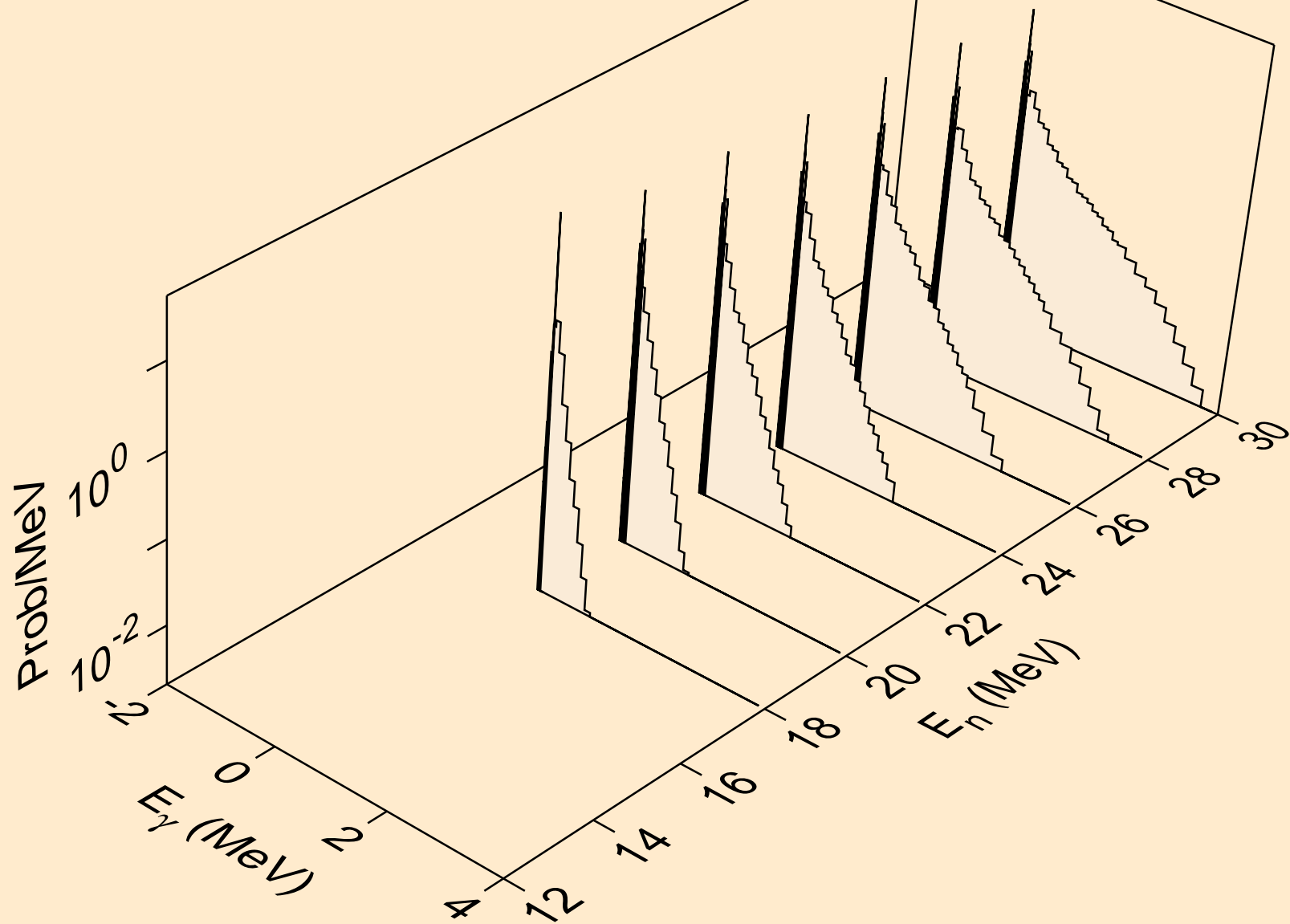
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Photon emission for (n,2p)



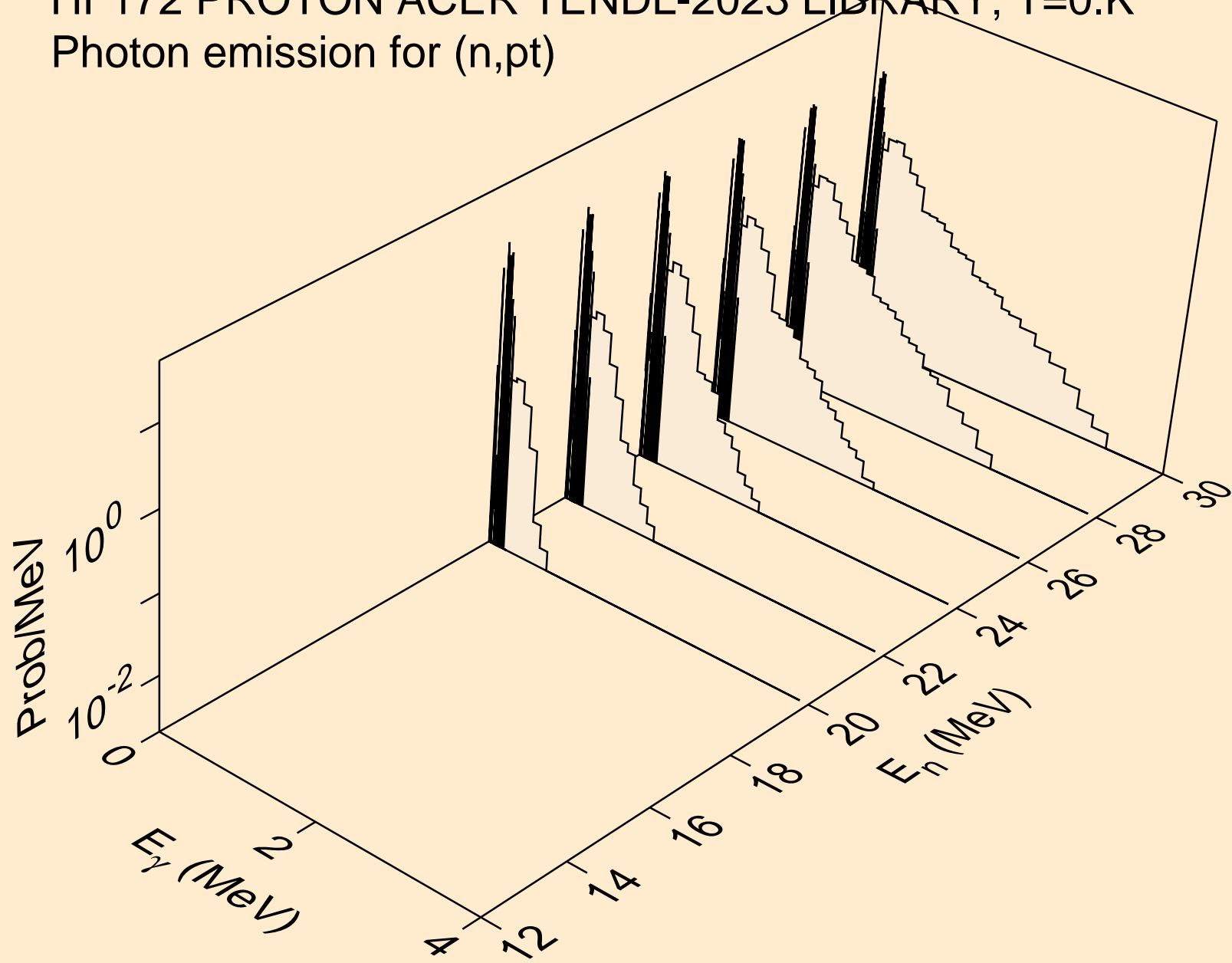
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)



HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)

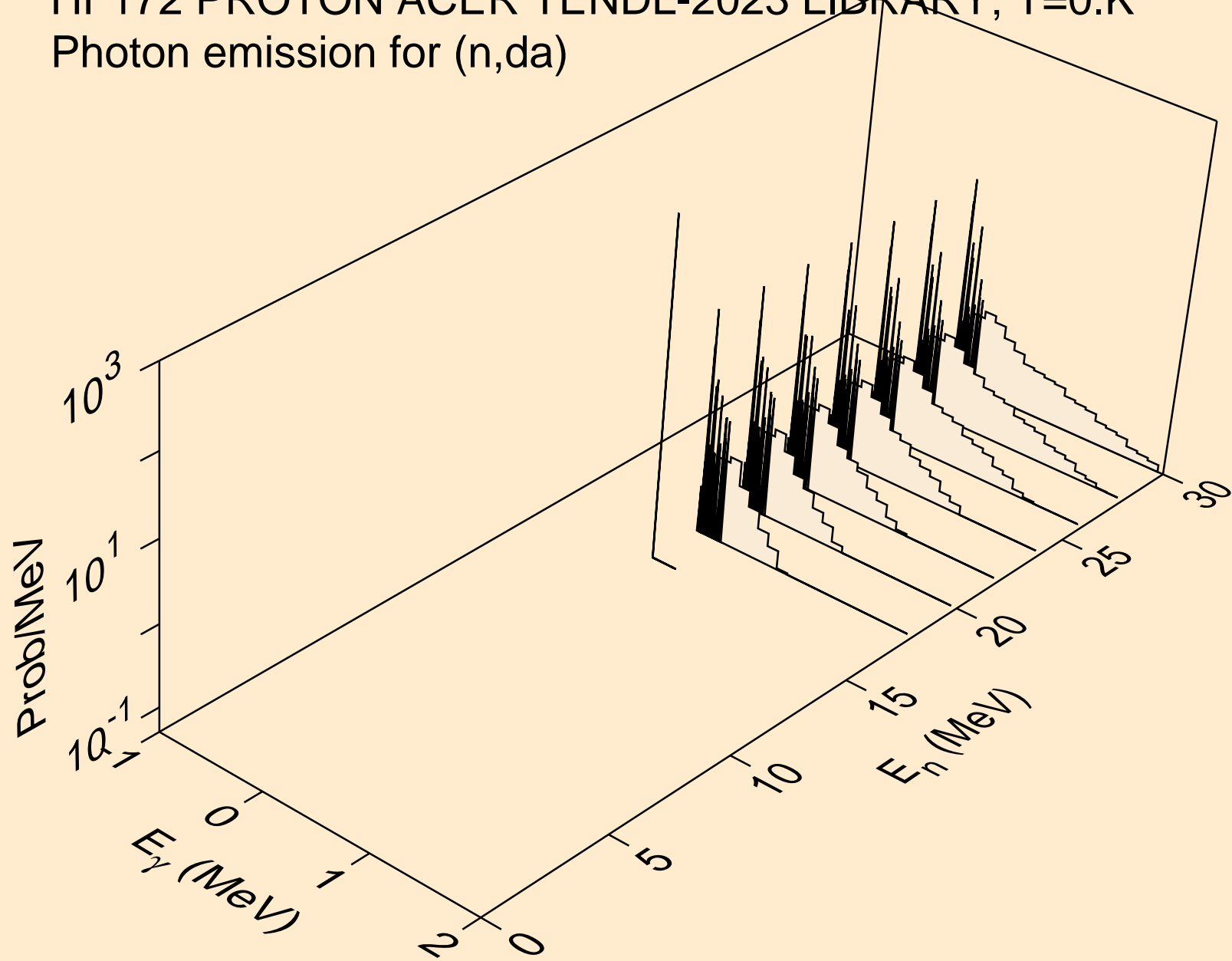


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Photon emission for (n,pt)



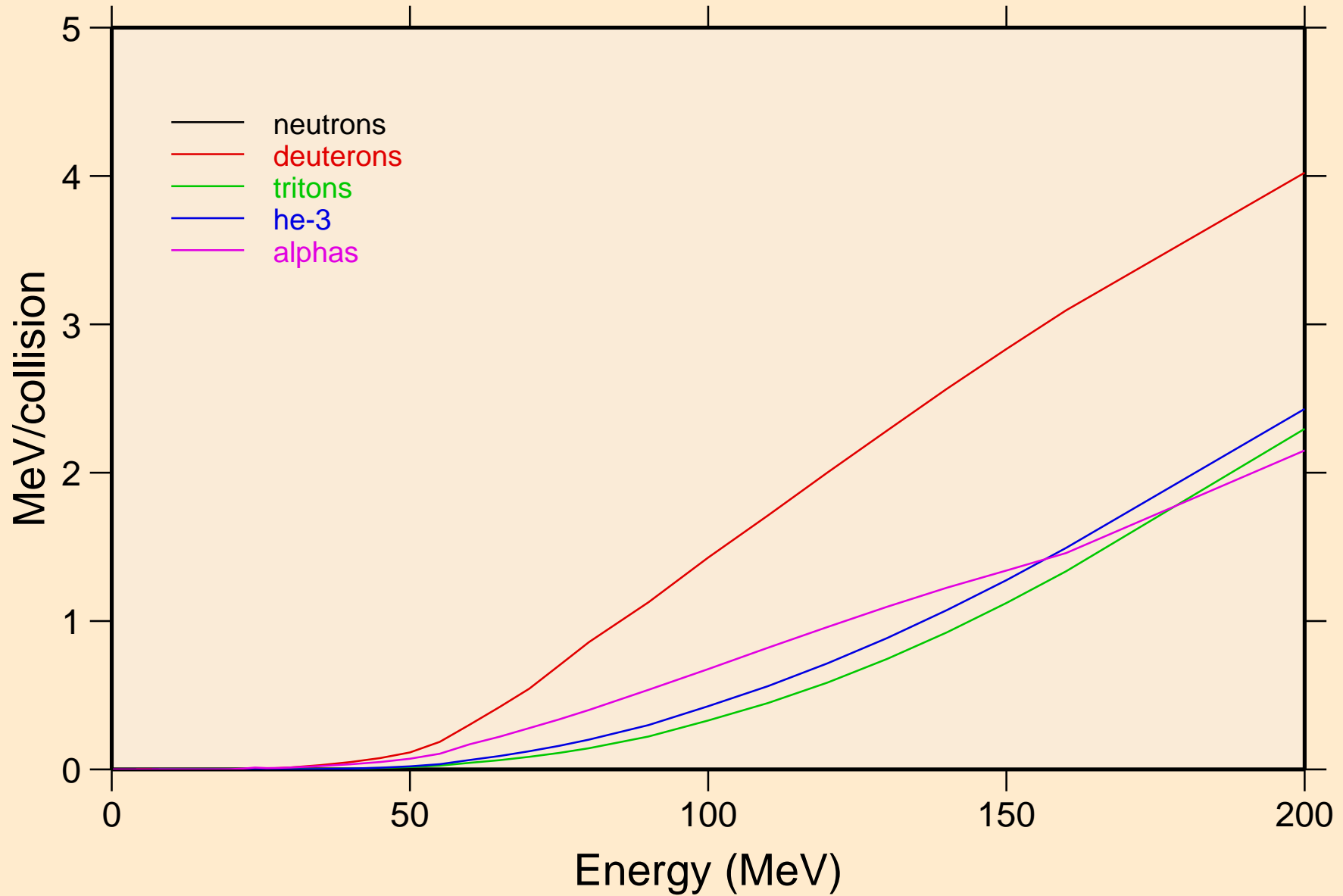


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Photon emission for (n,da)

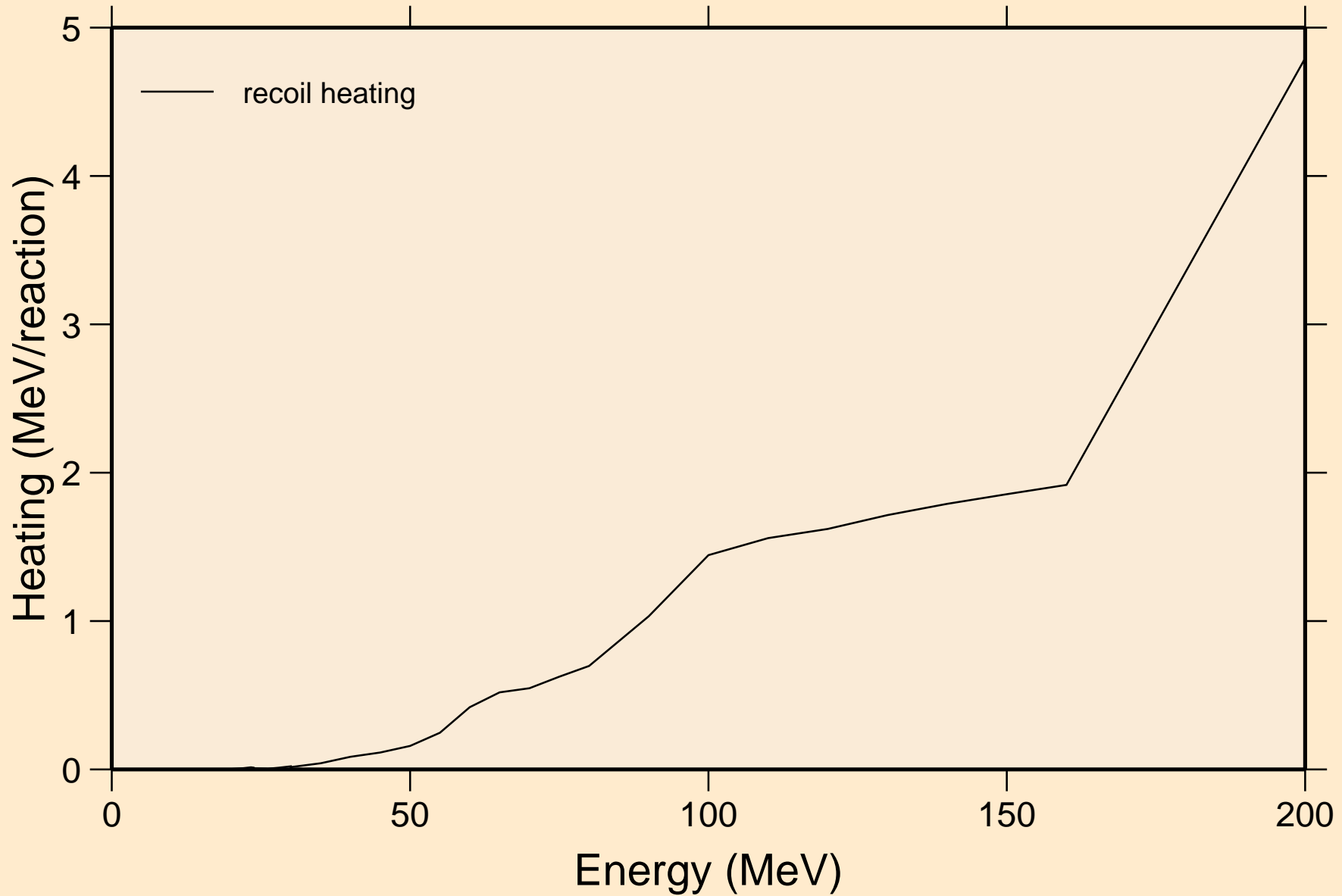


# HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K

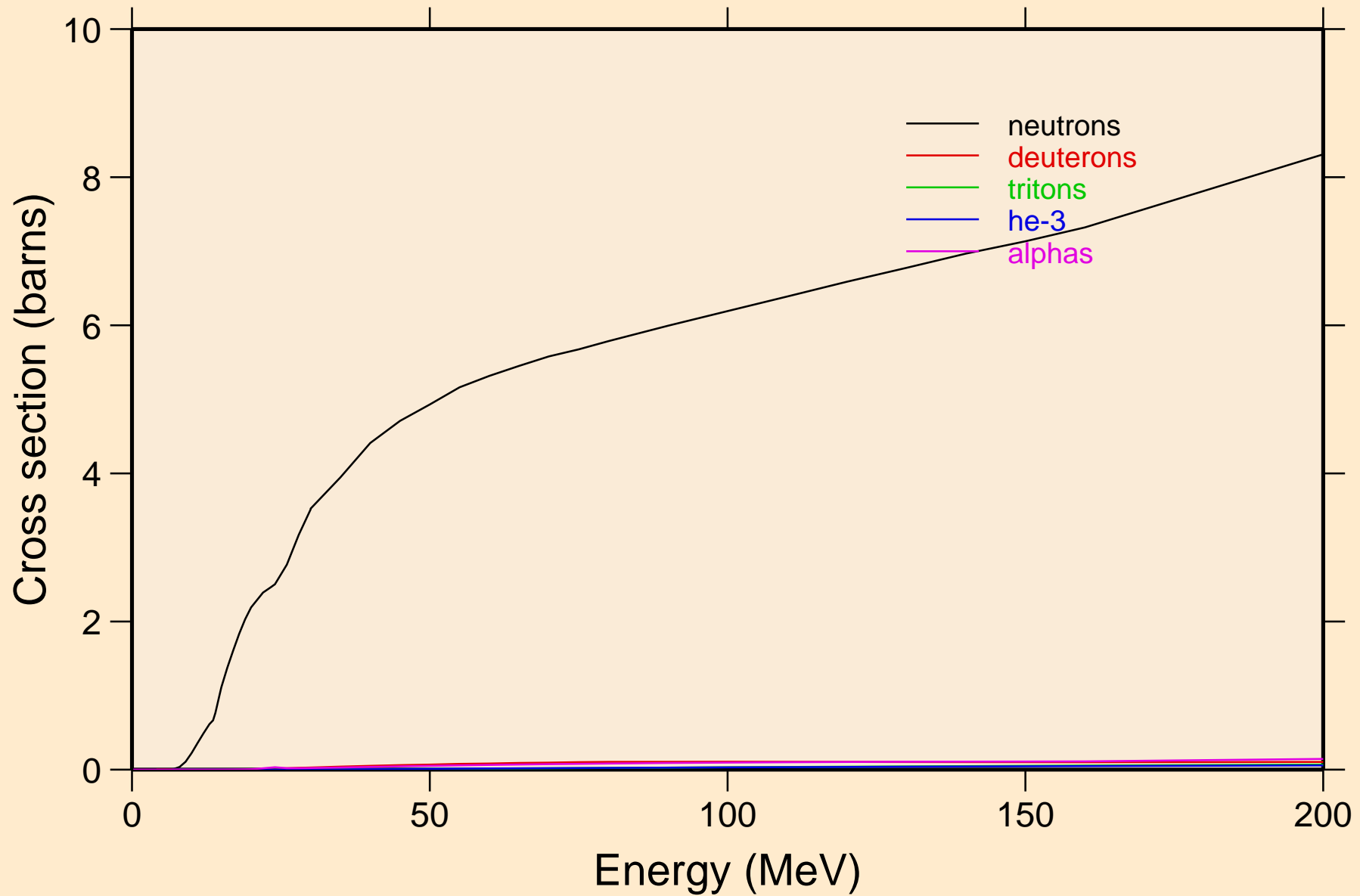
## Particle heating contributions



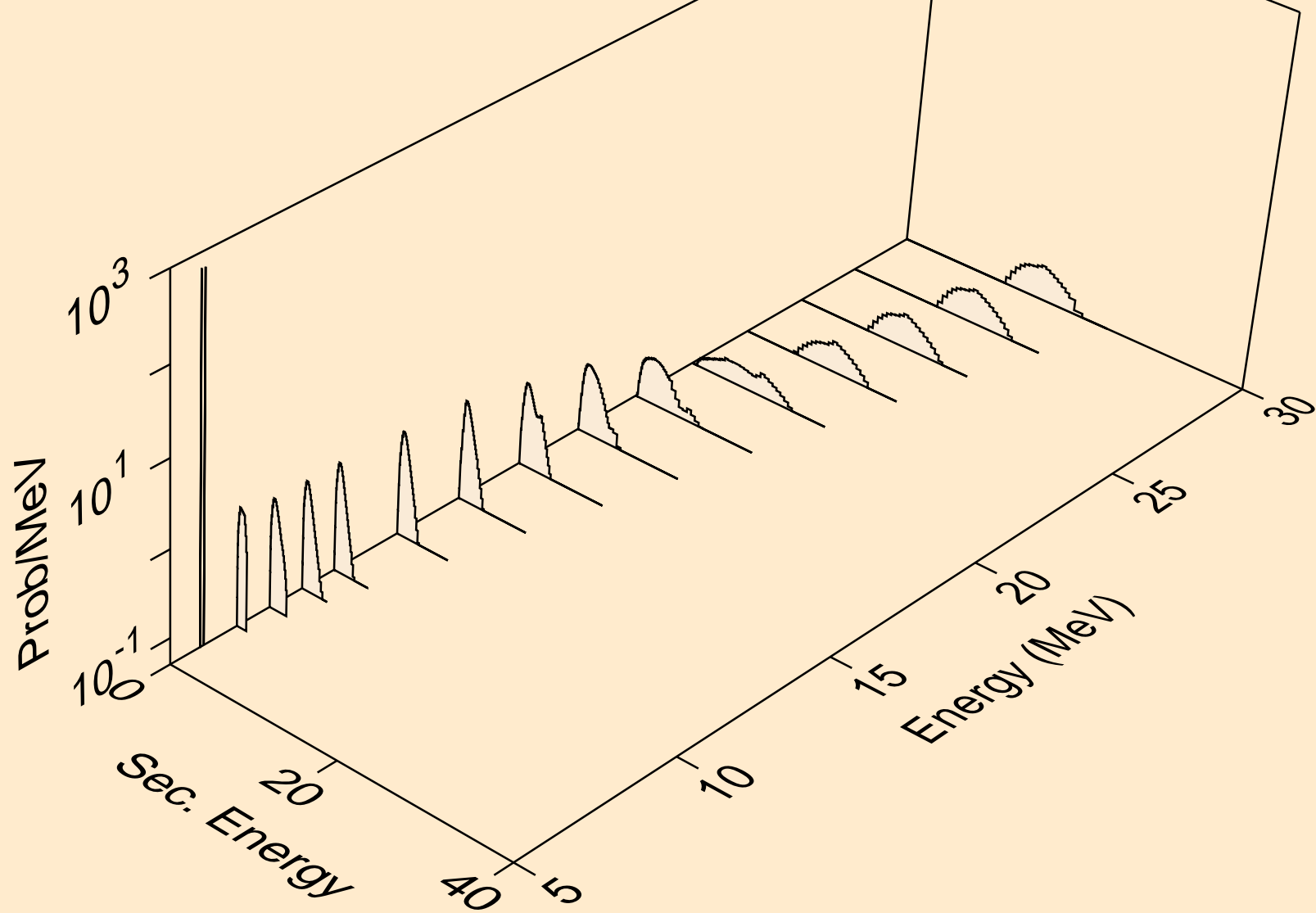
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



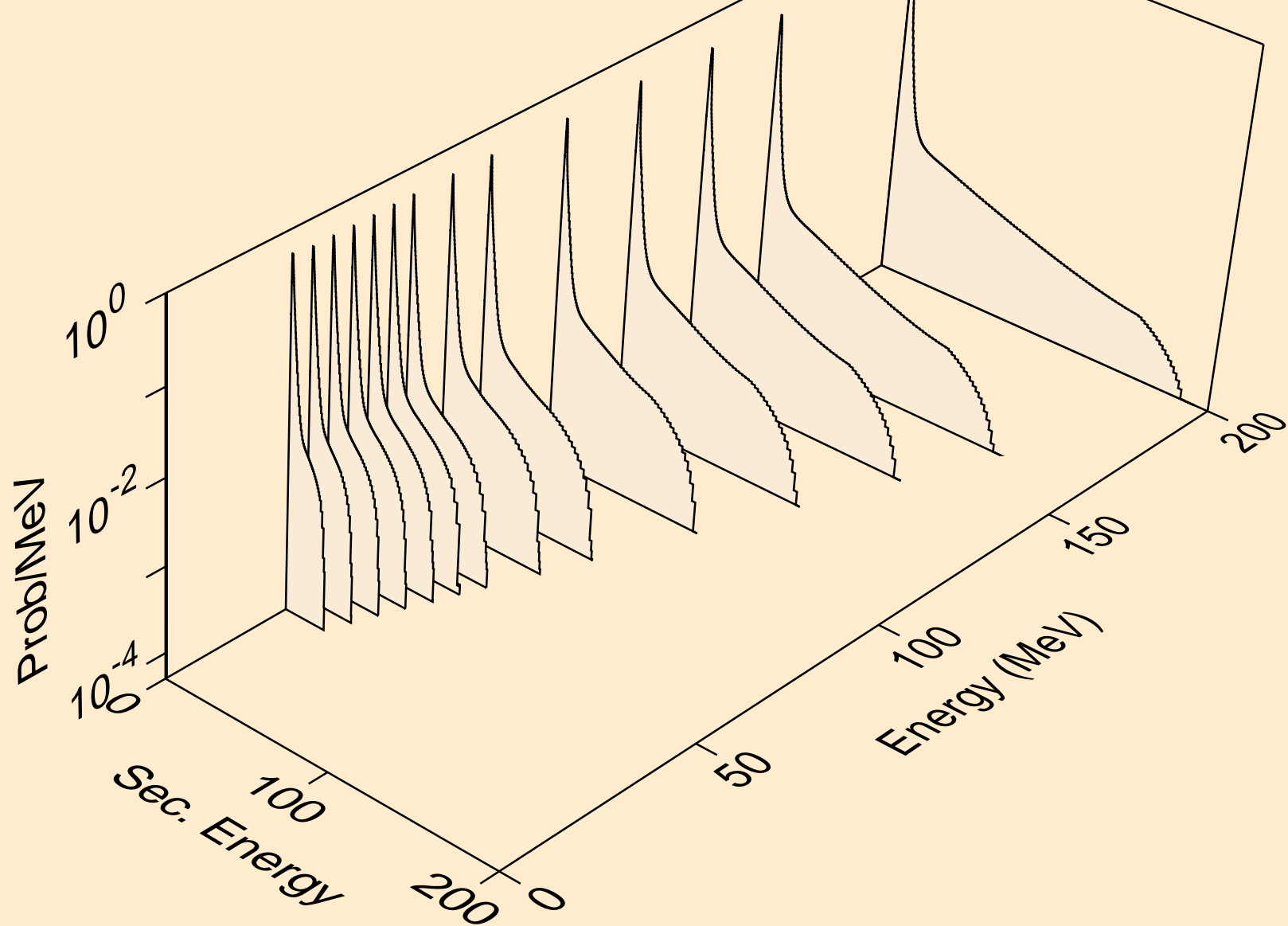
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



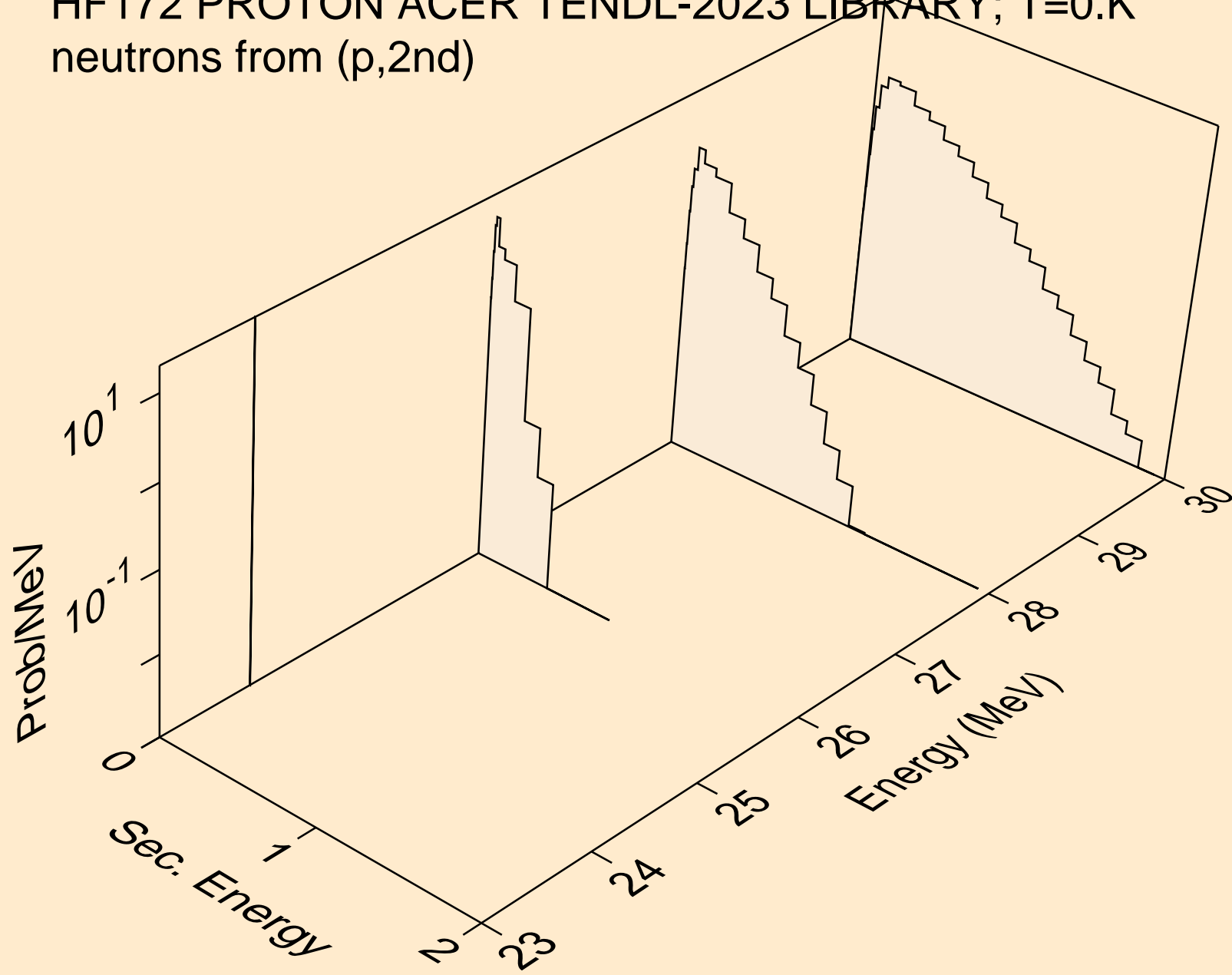
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



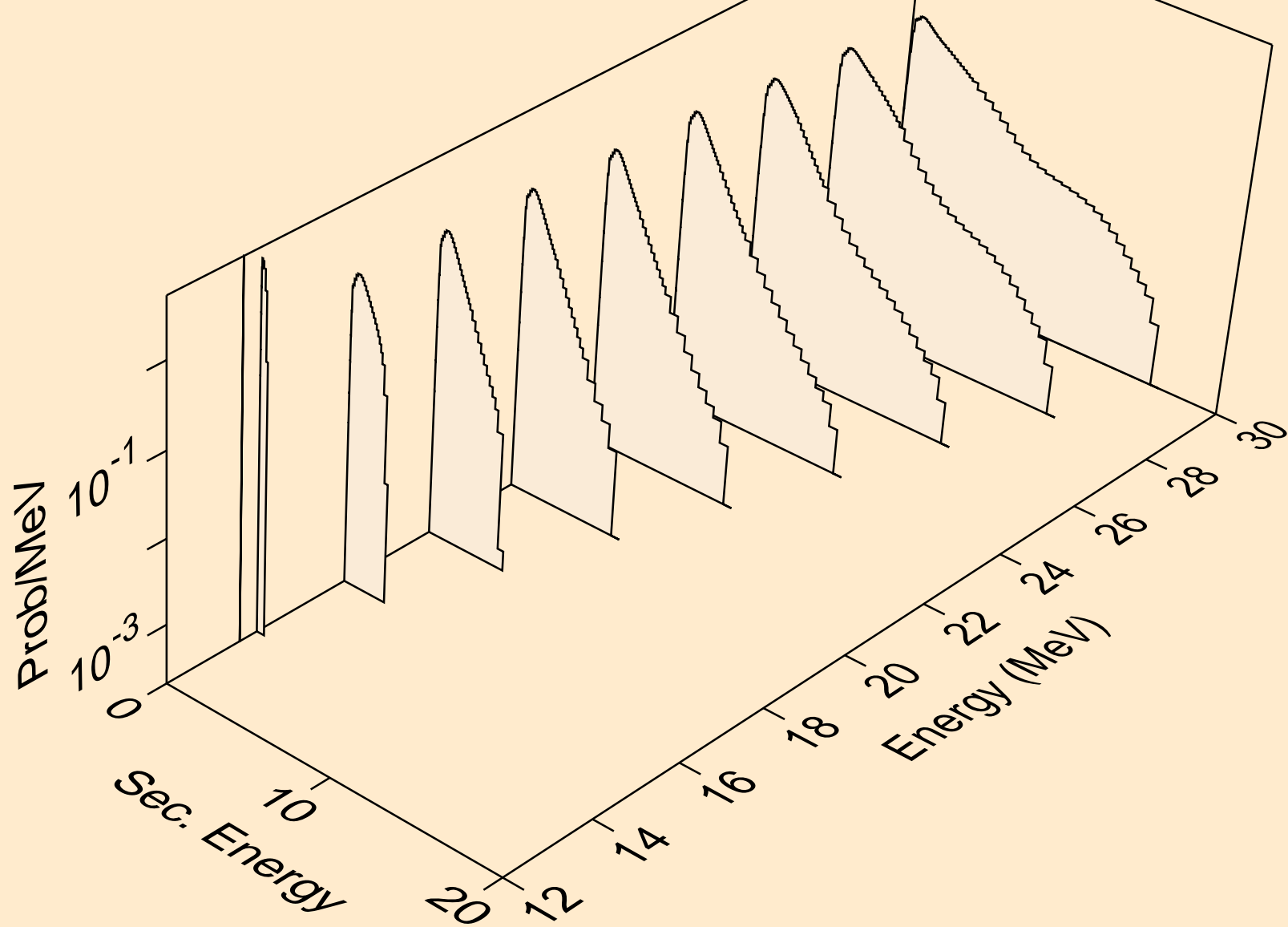
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)



HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2nd)

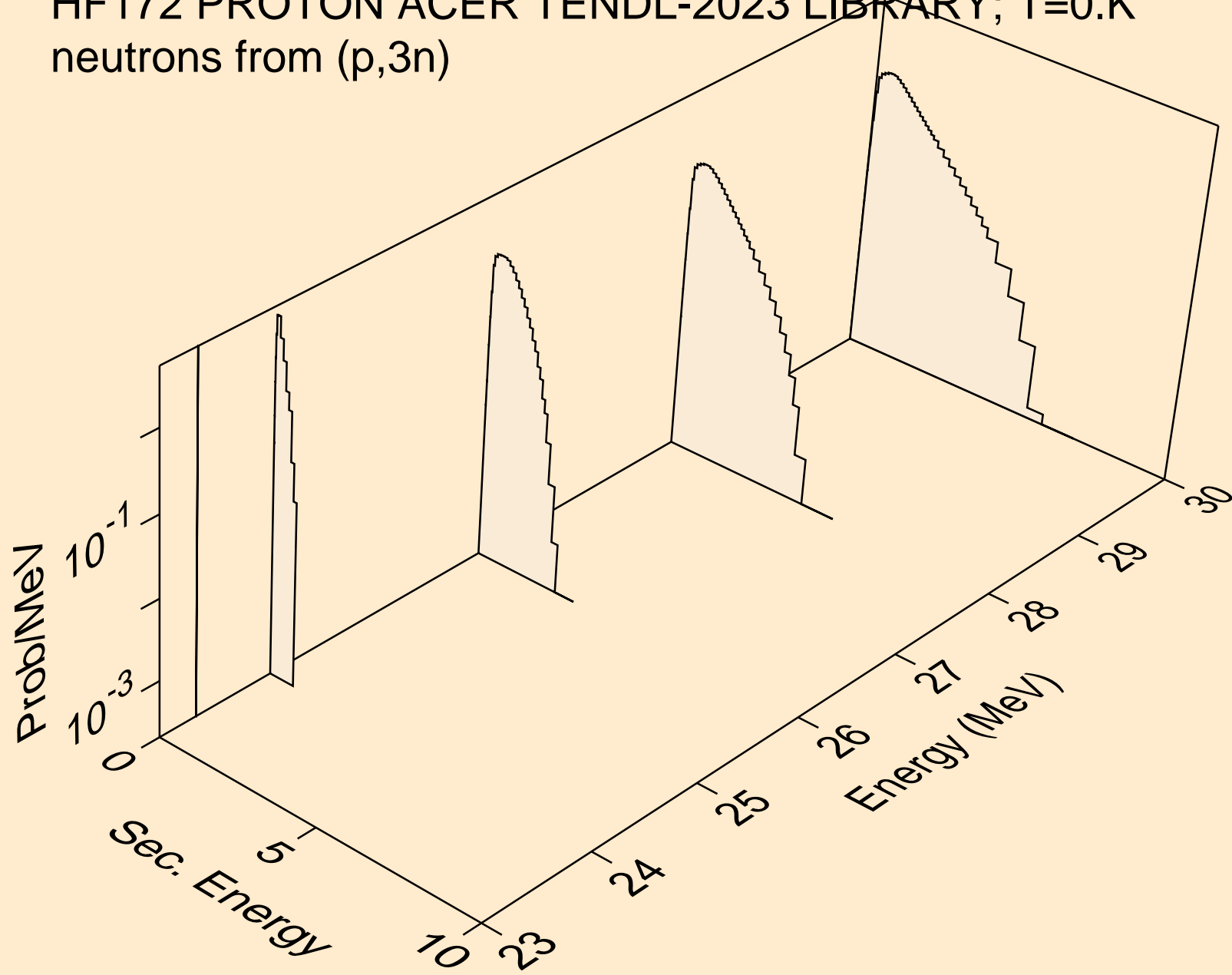


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neutrons from (p,2n)

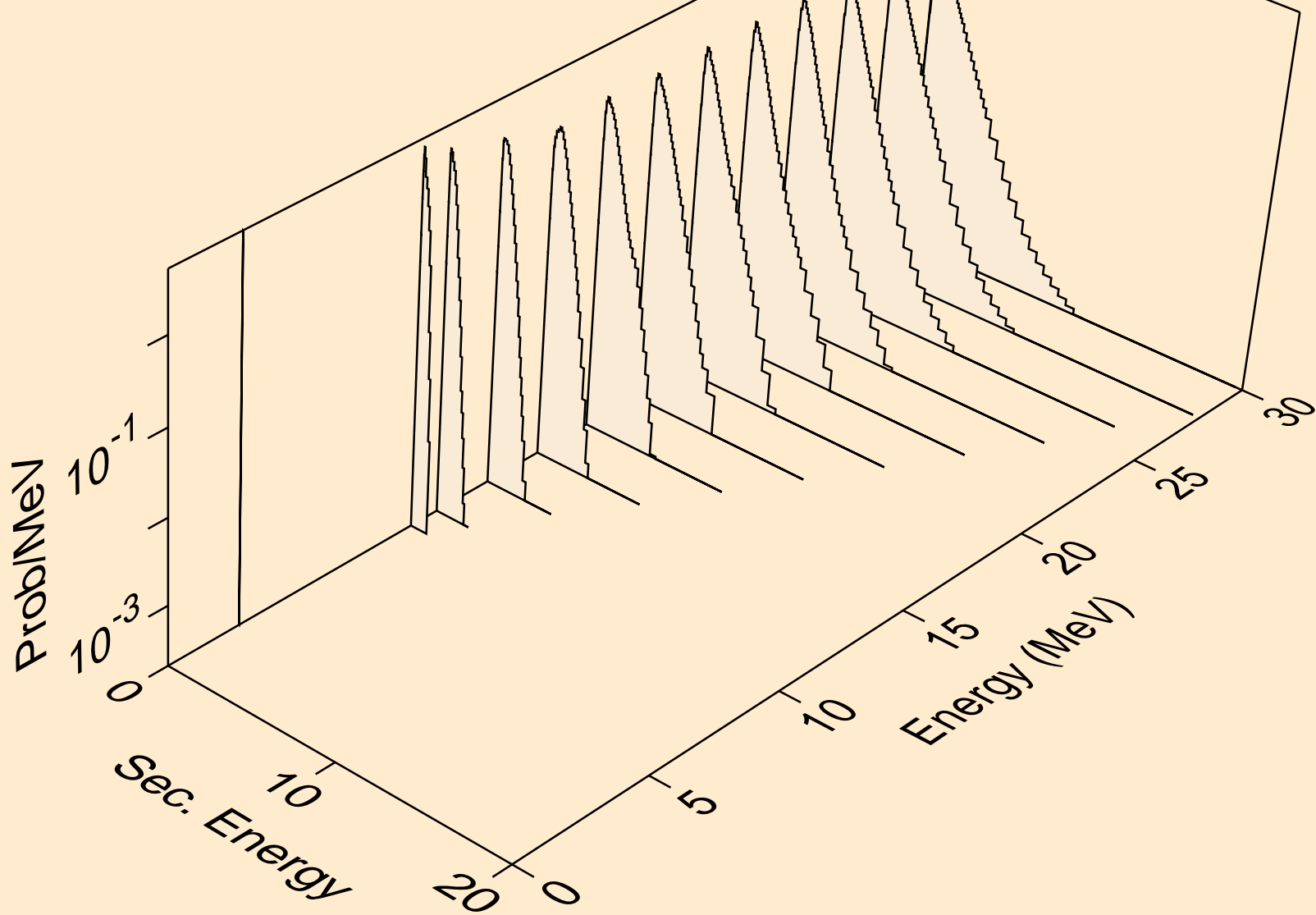




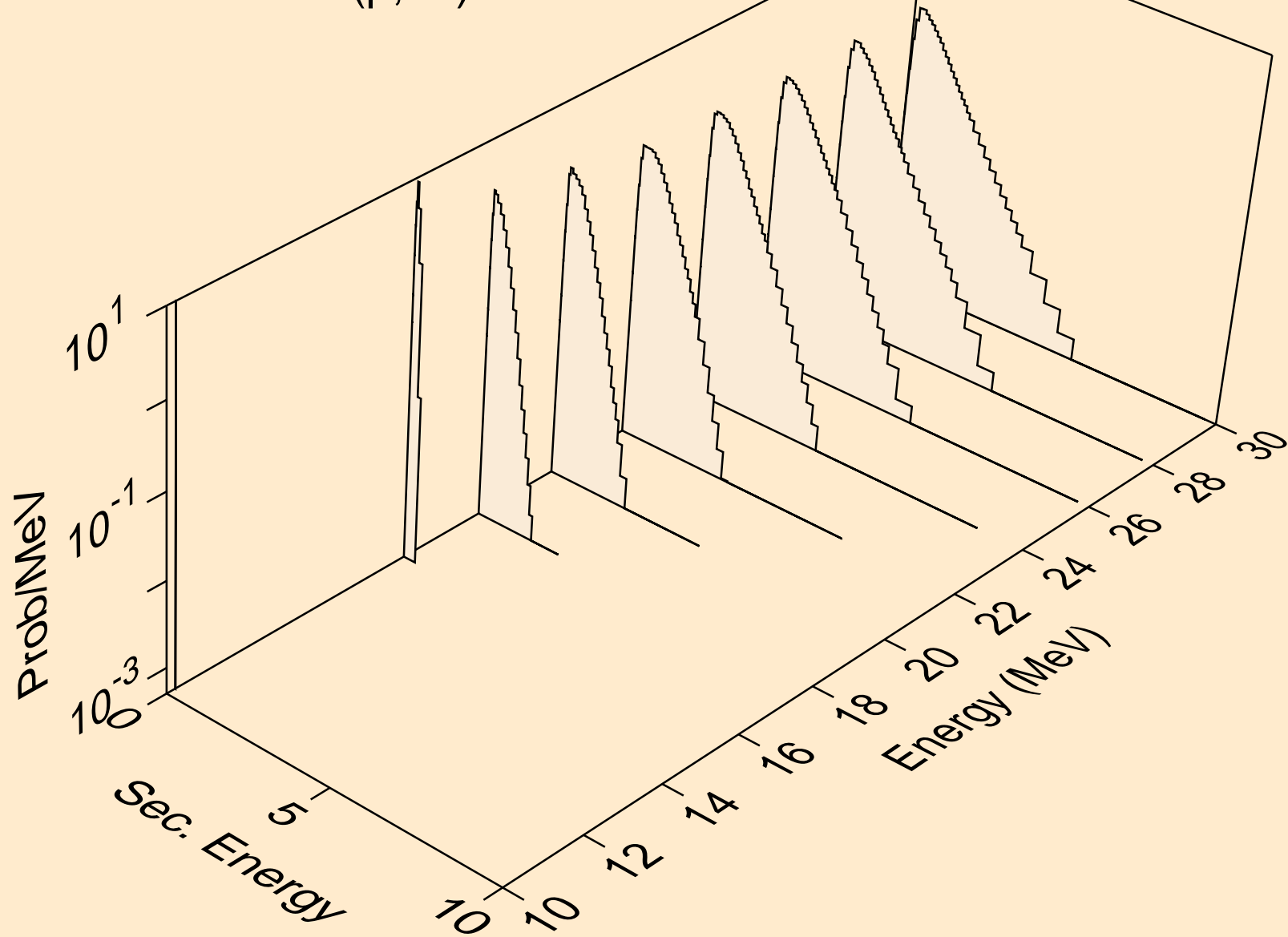
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3n)



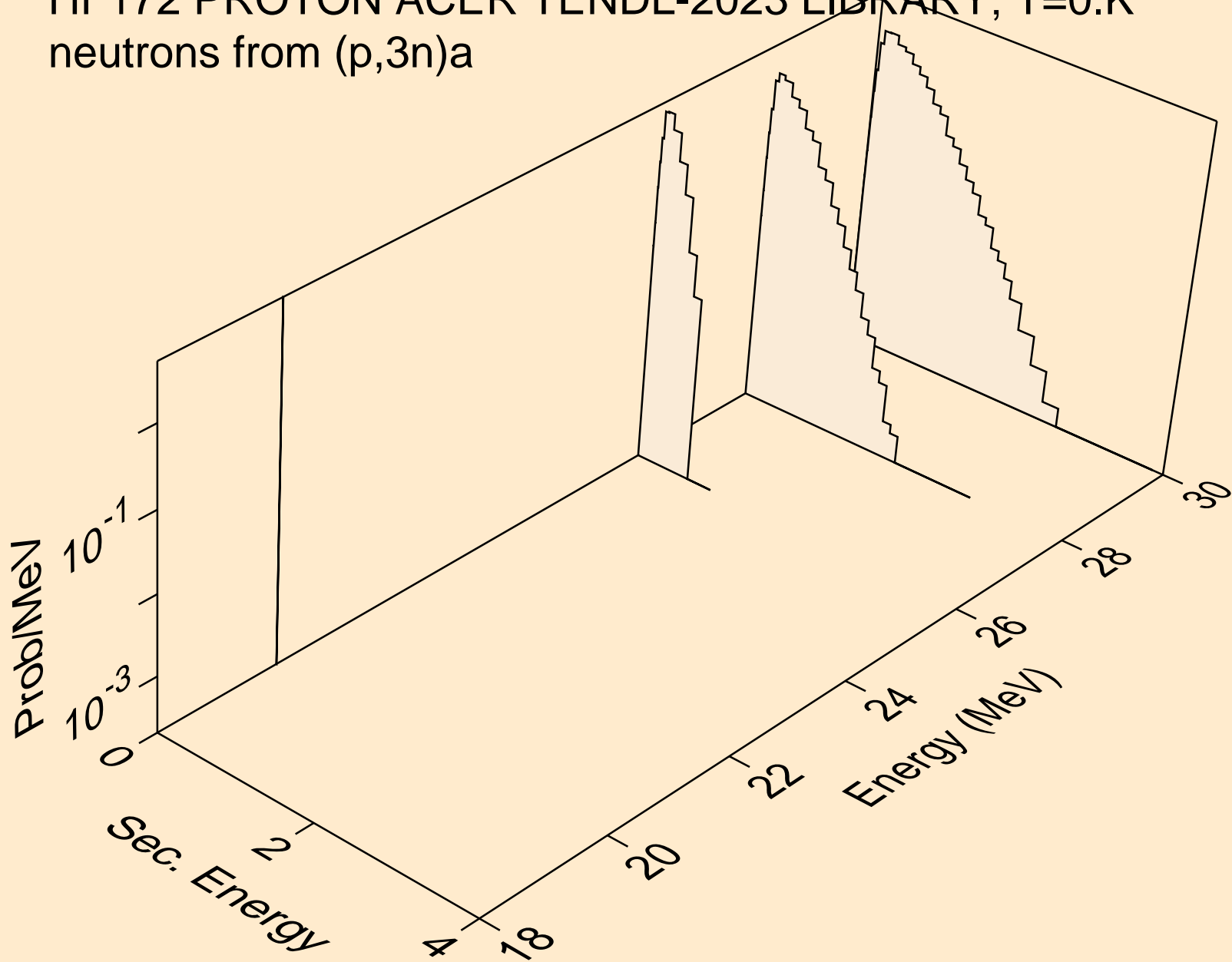
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a



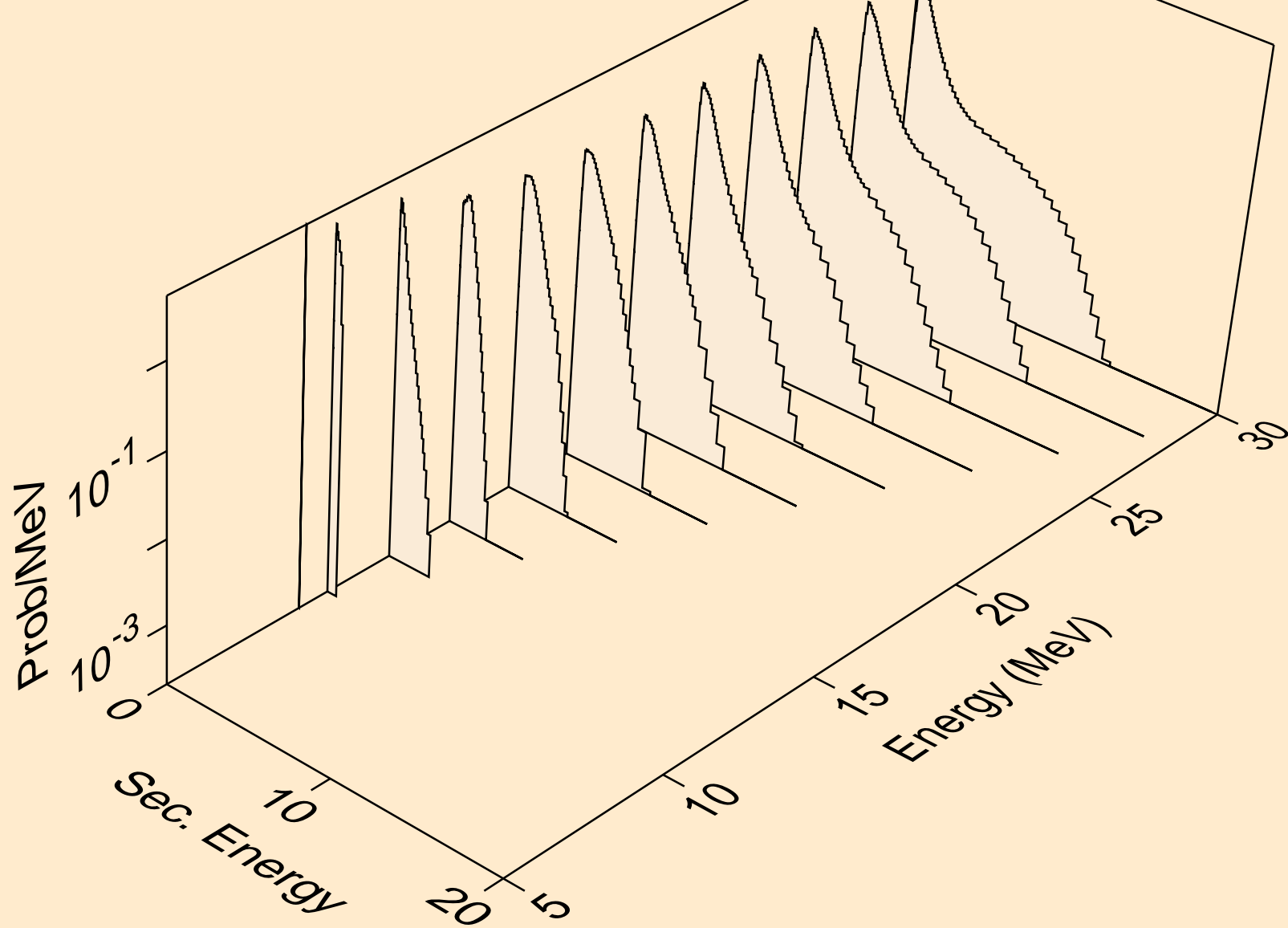
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neutrons from (p,2n)a



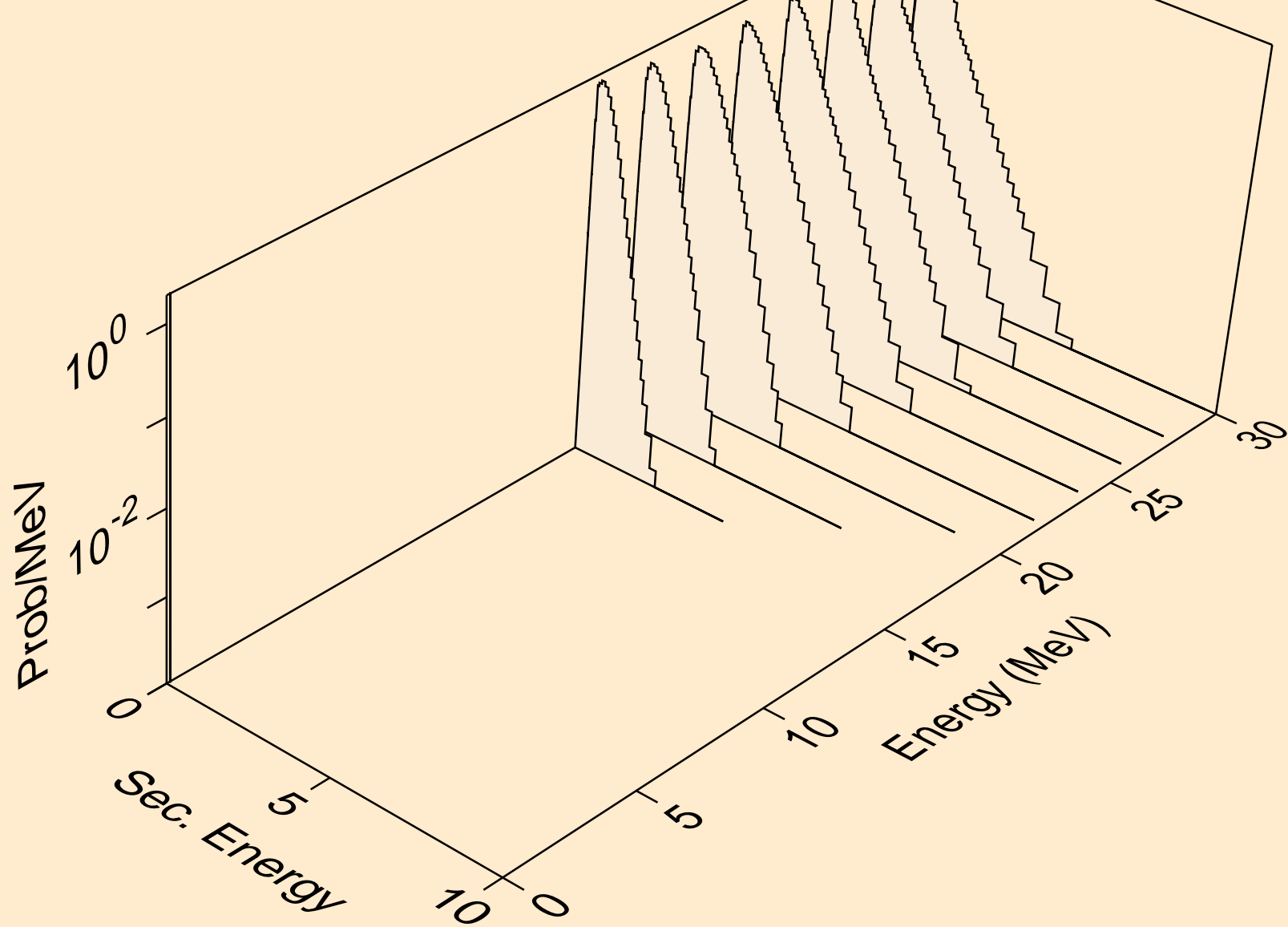
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neutrons from (p,3n)a



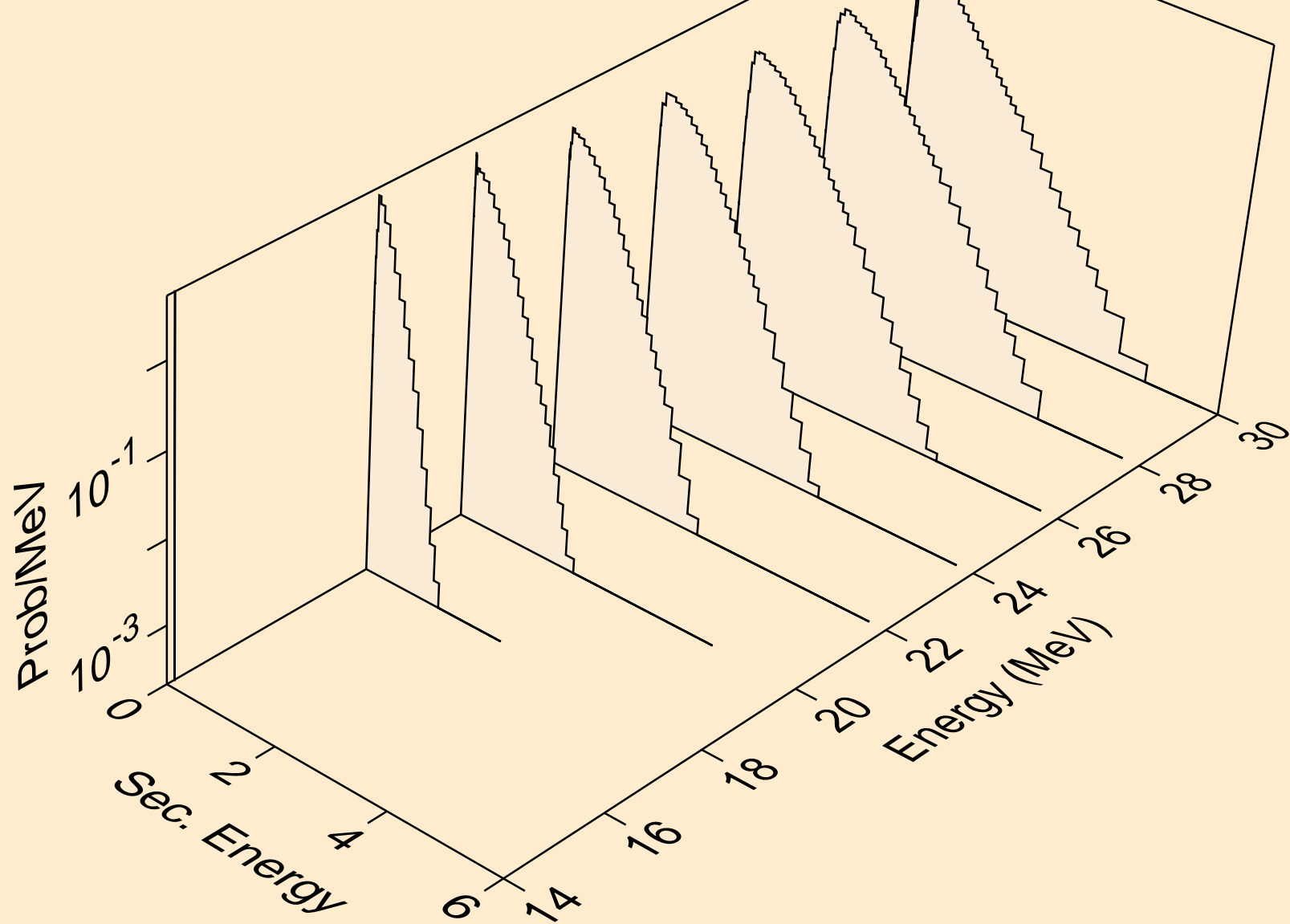
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neutrons from (p,n\*)p



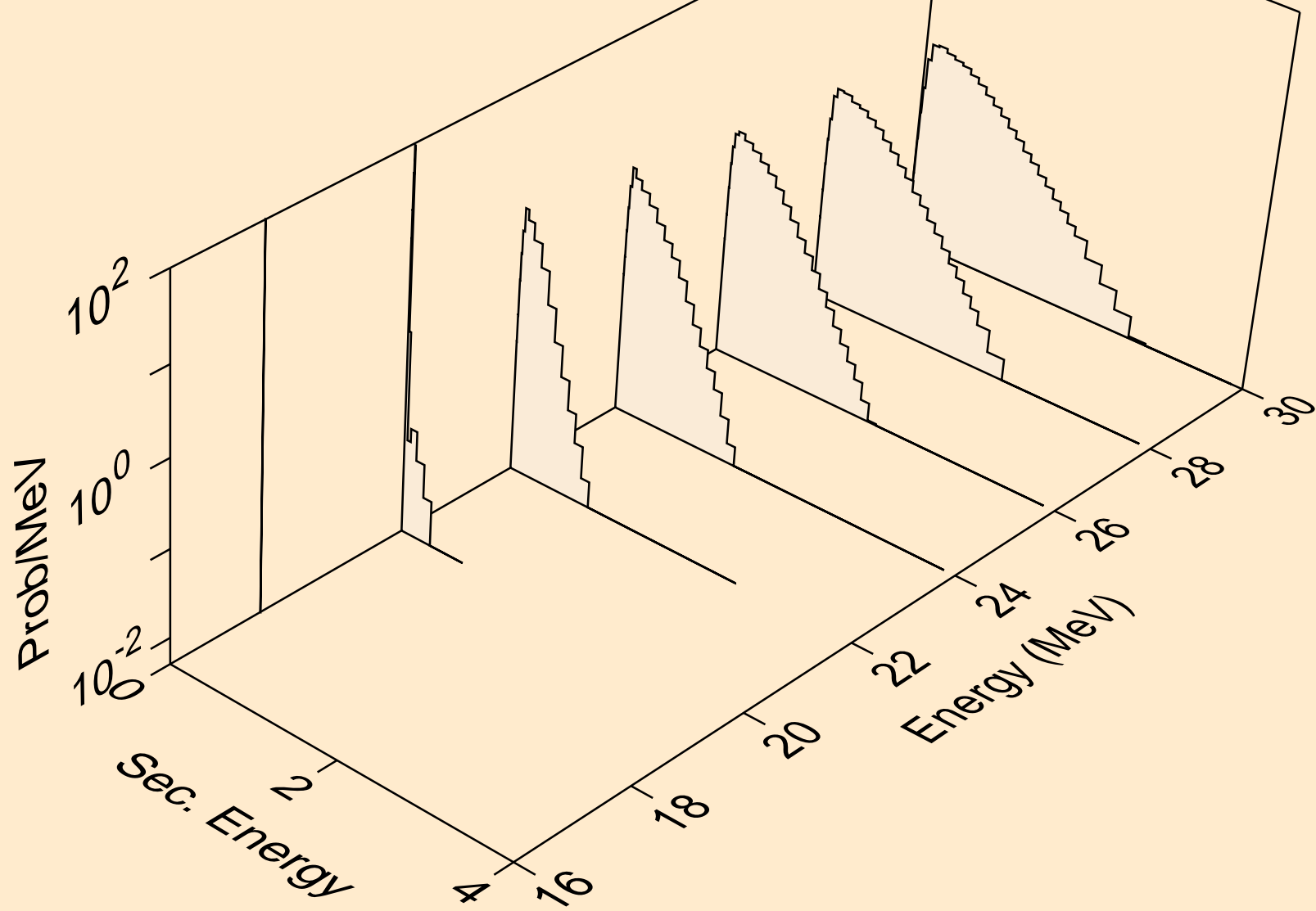
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neutrons from (p,n\*)2a



HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)d

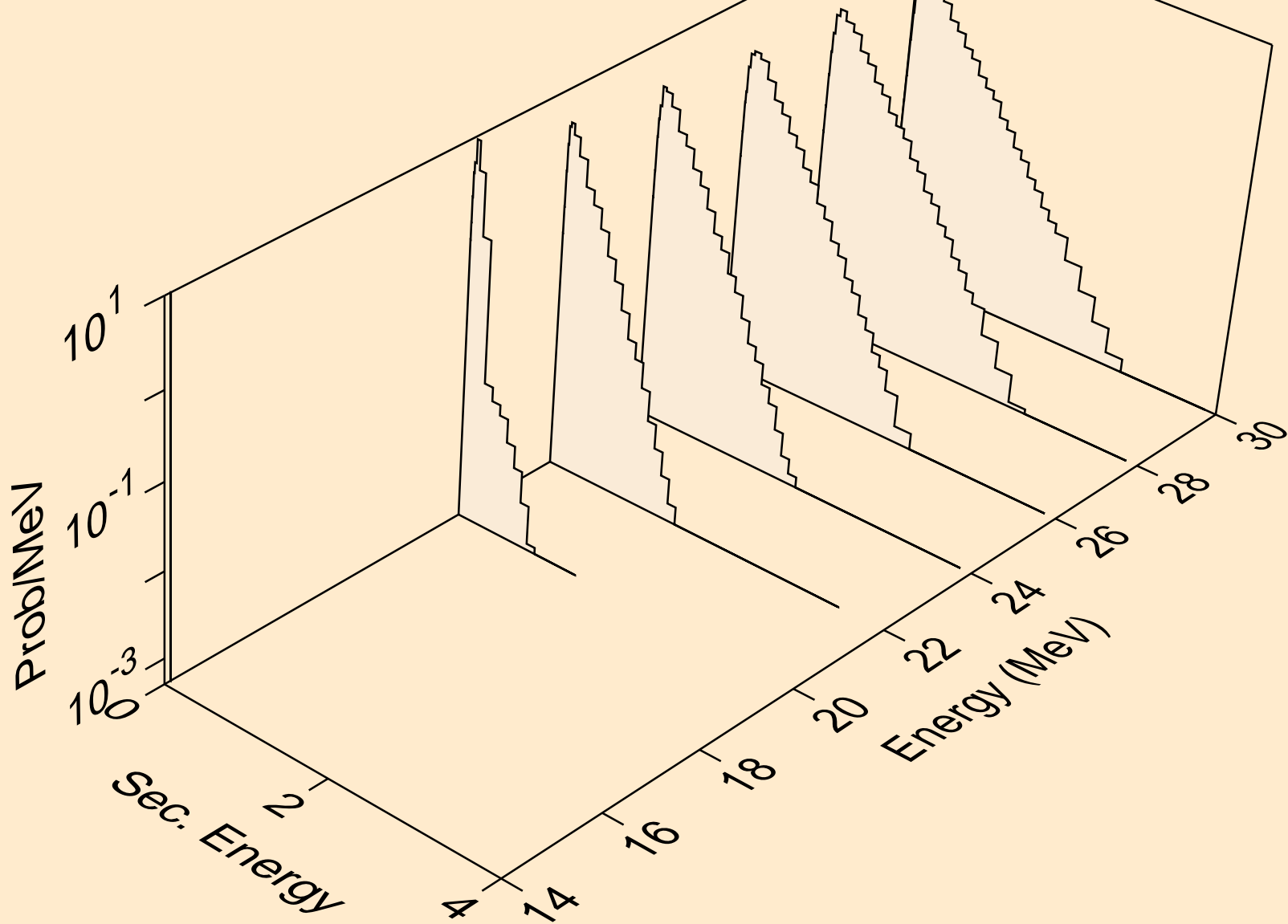


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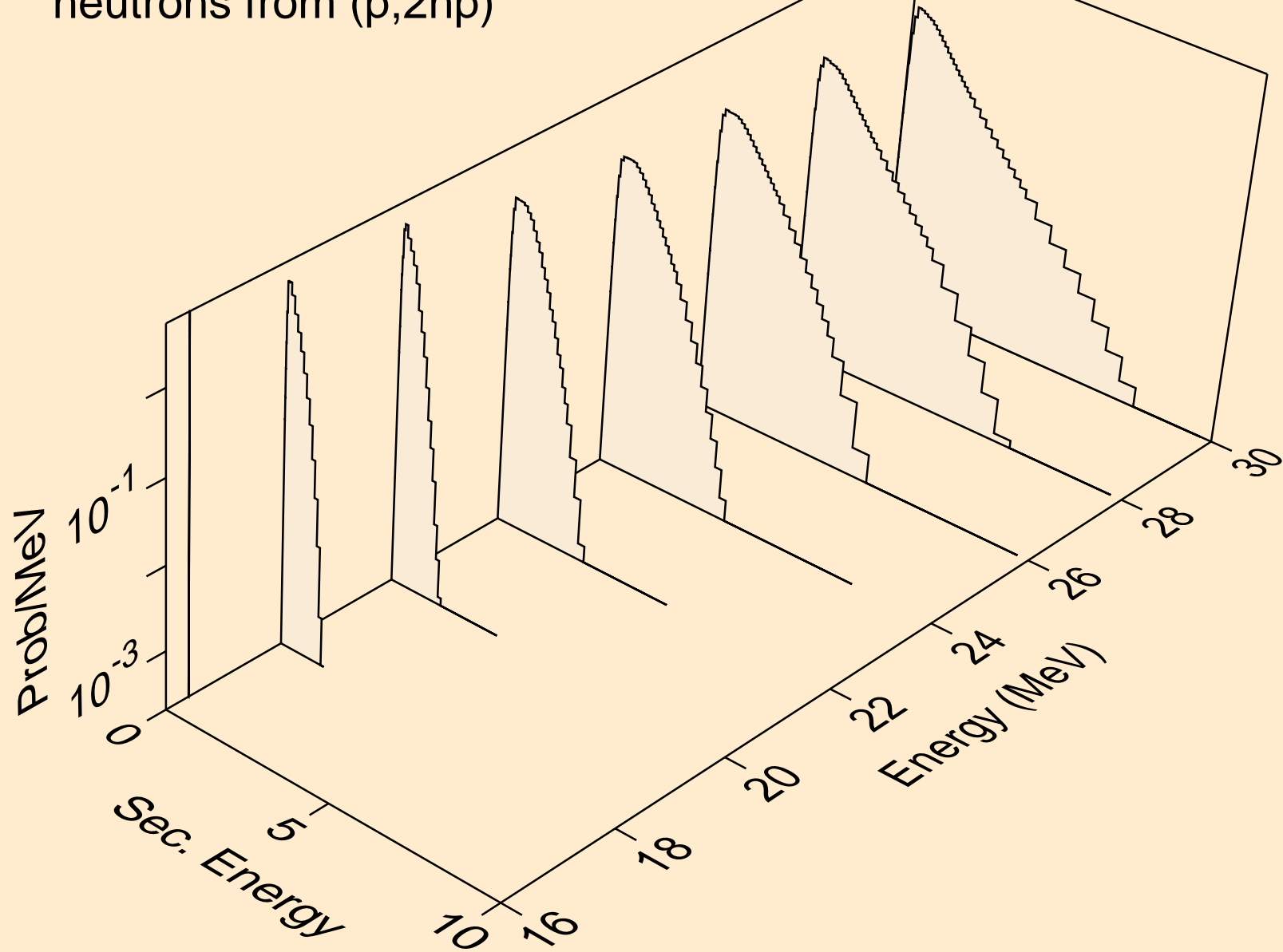




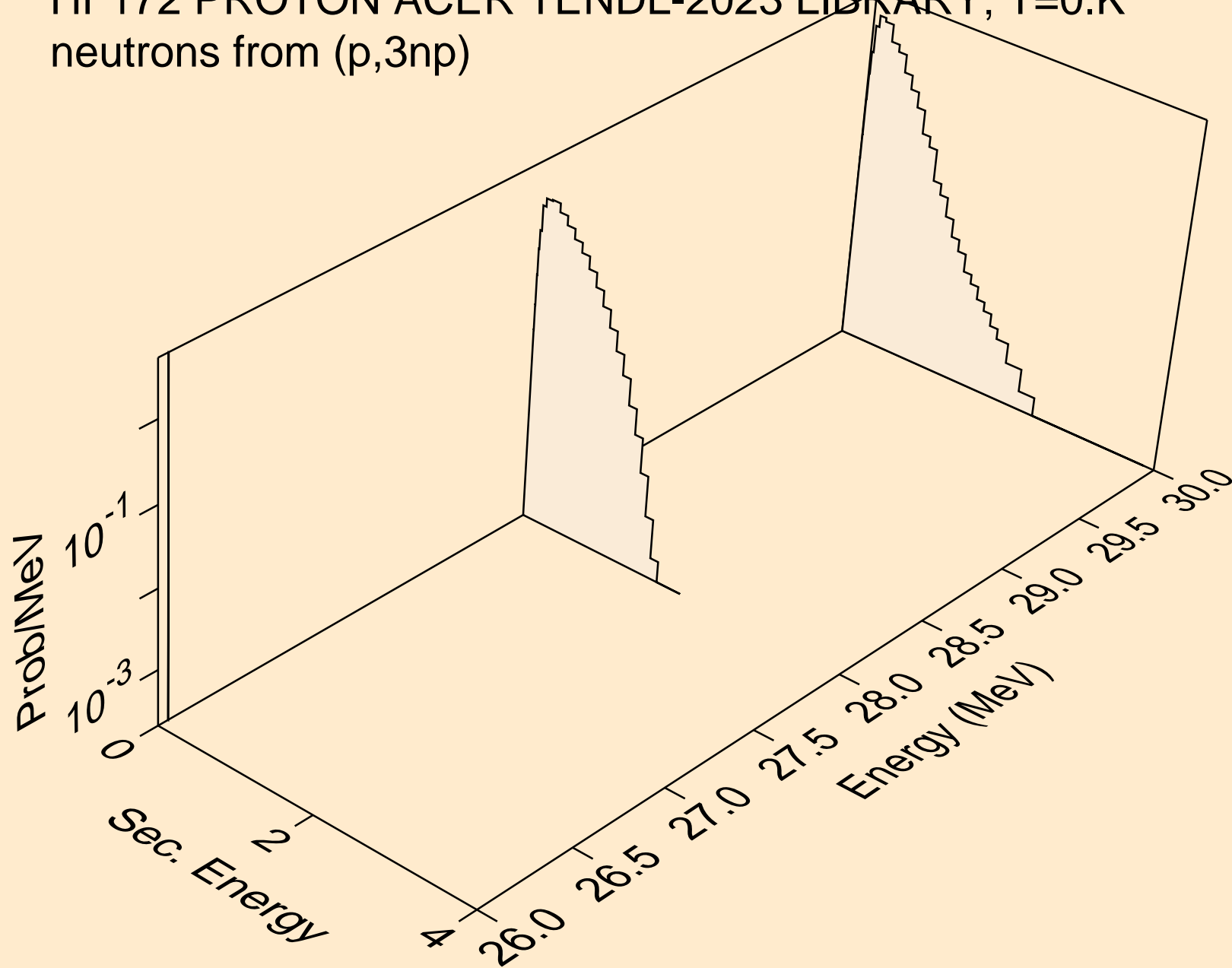
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neutrons from (p,n\*)he3



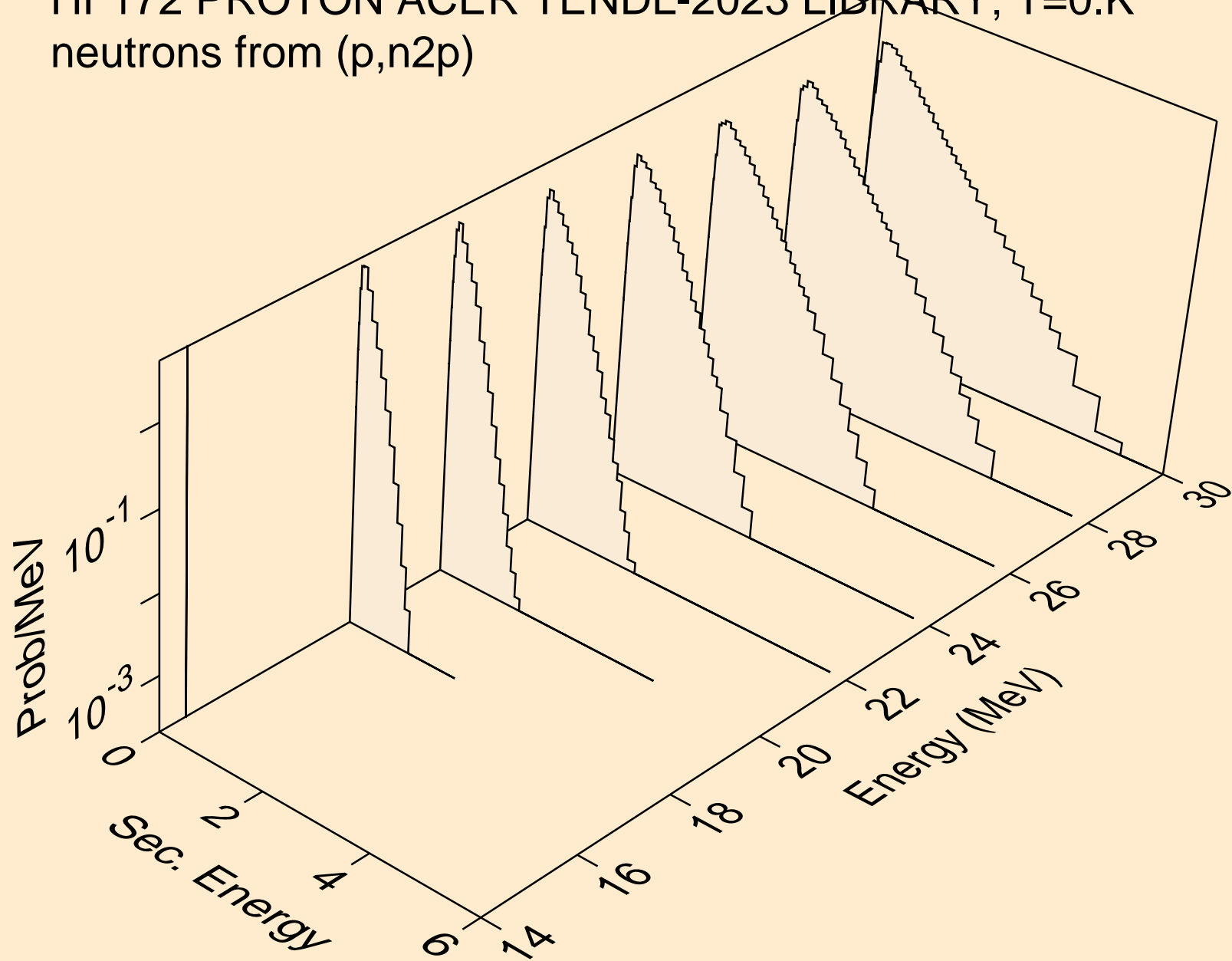
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2np)



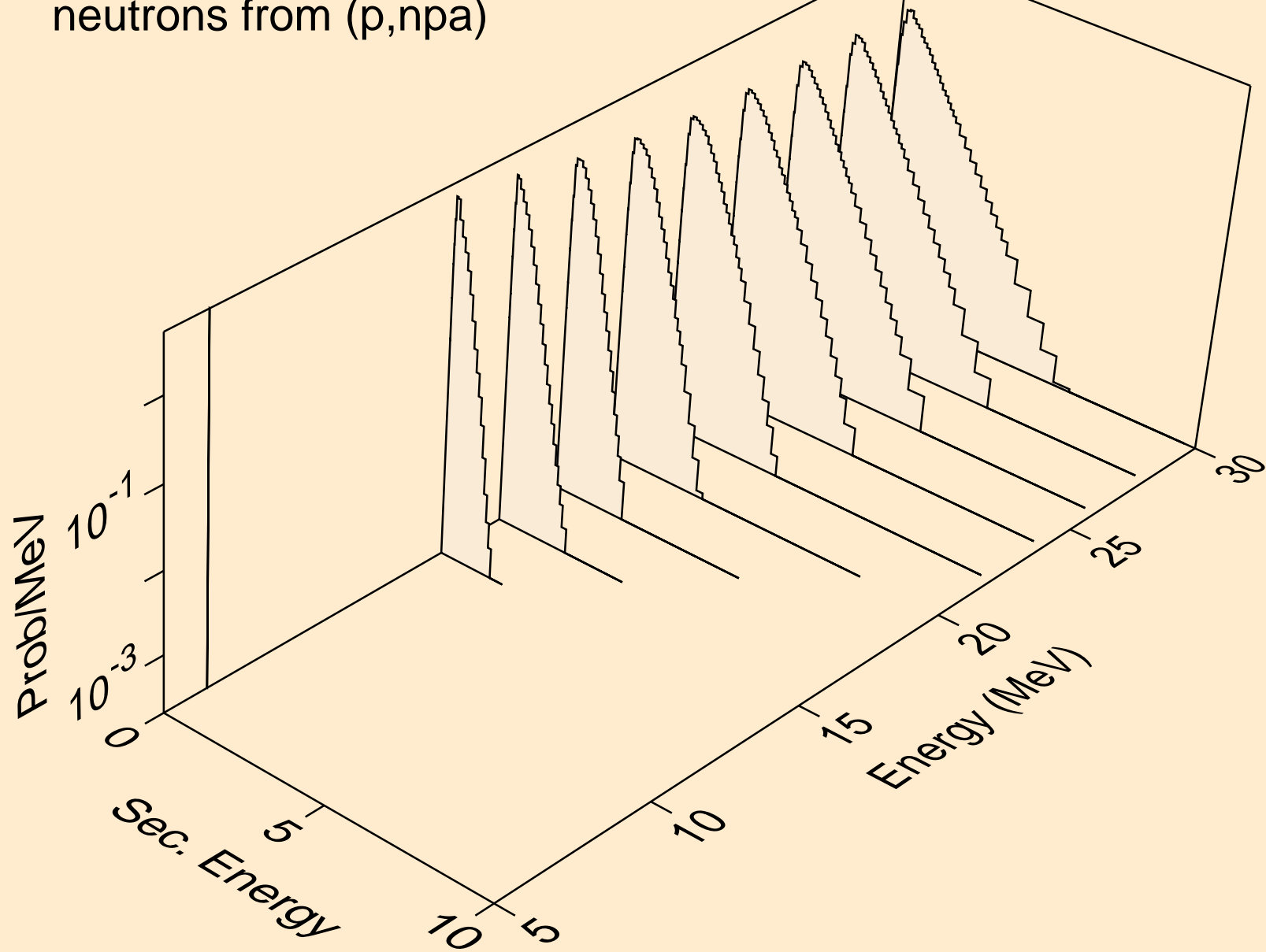
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3np)



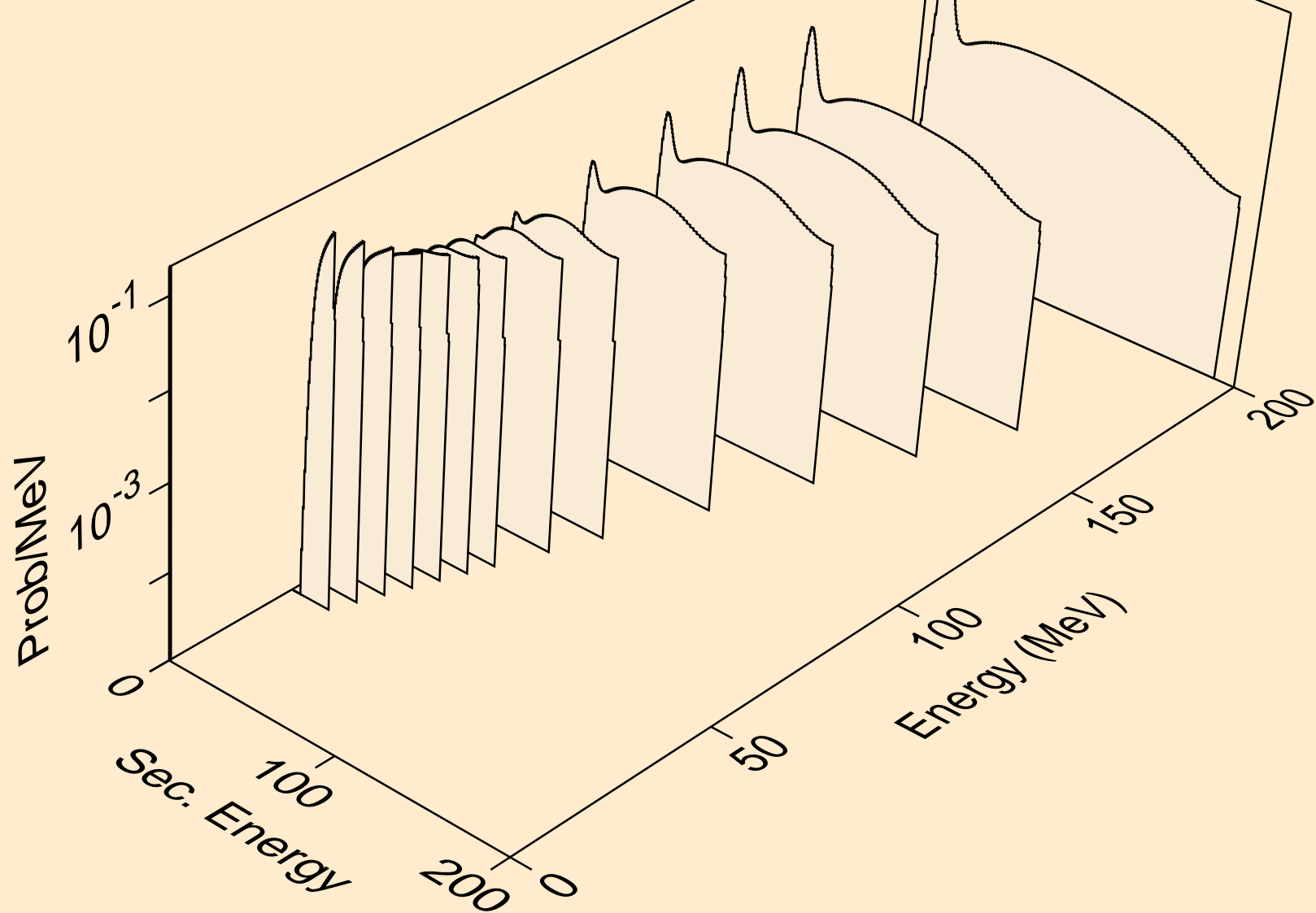
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neutrons from (p,n2p)



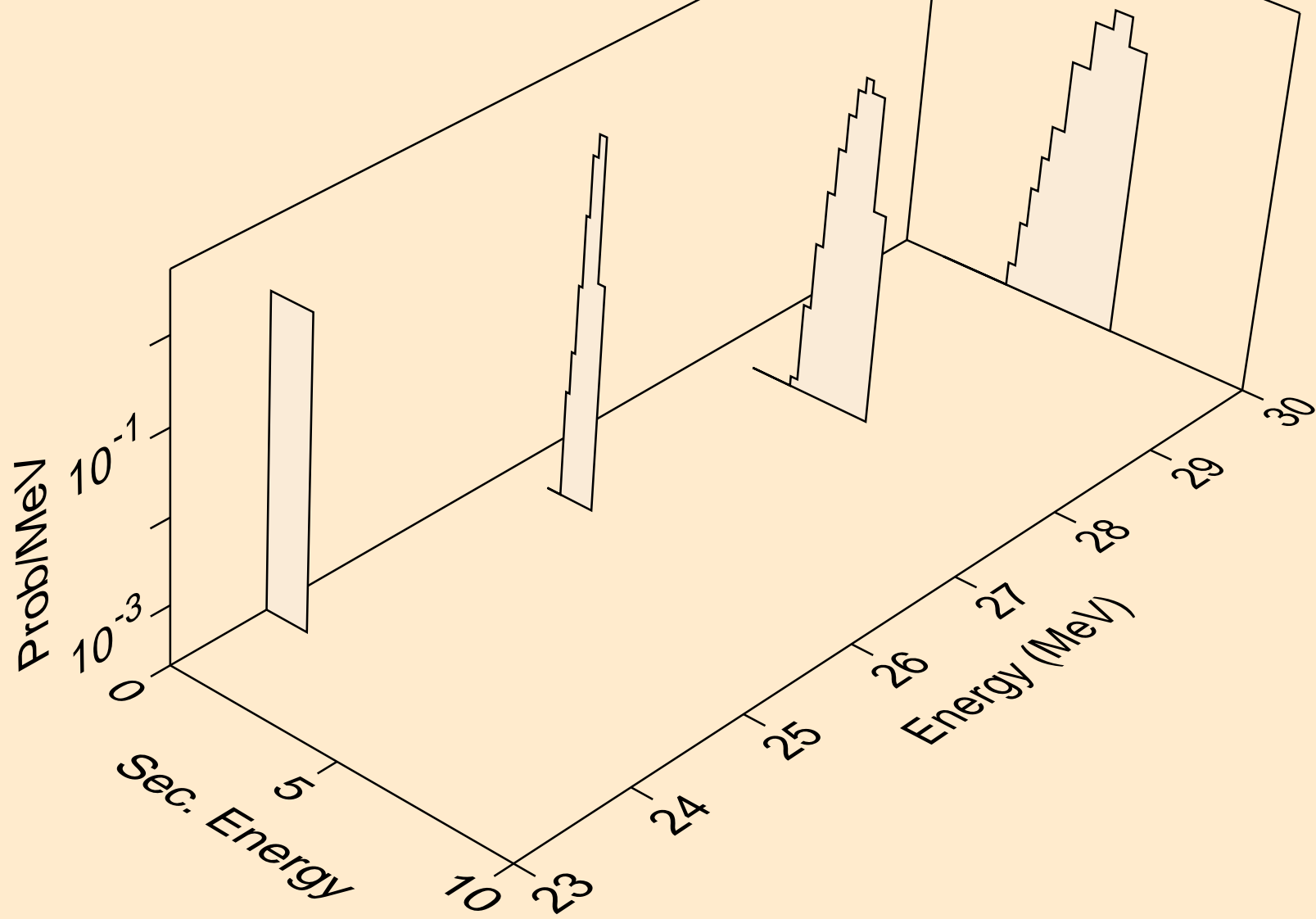
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neutrons from (p,npa)



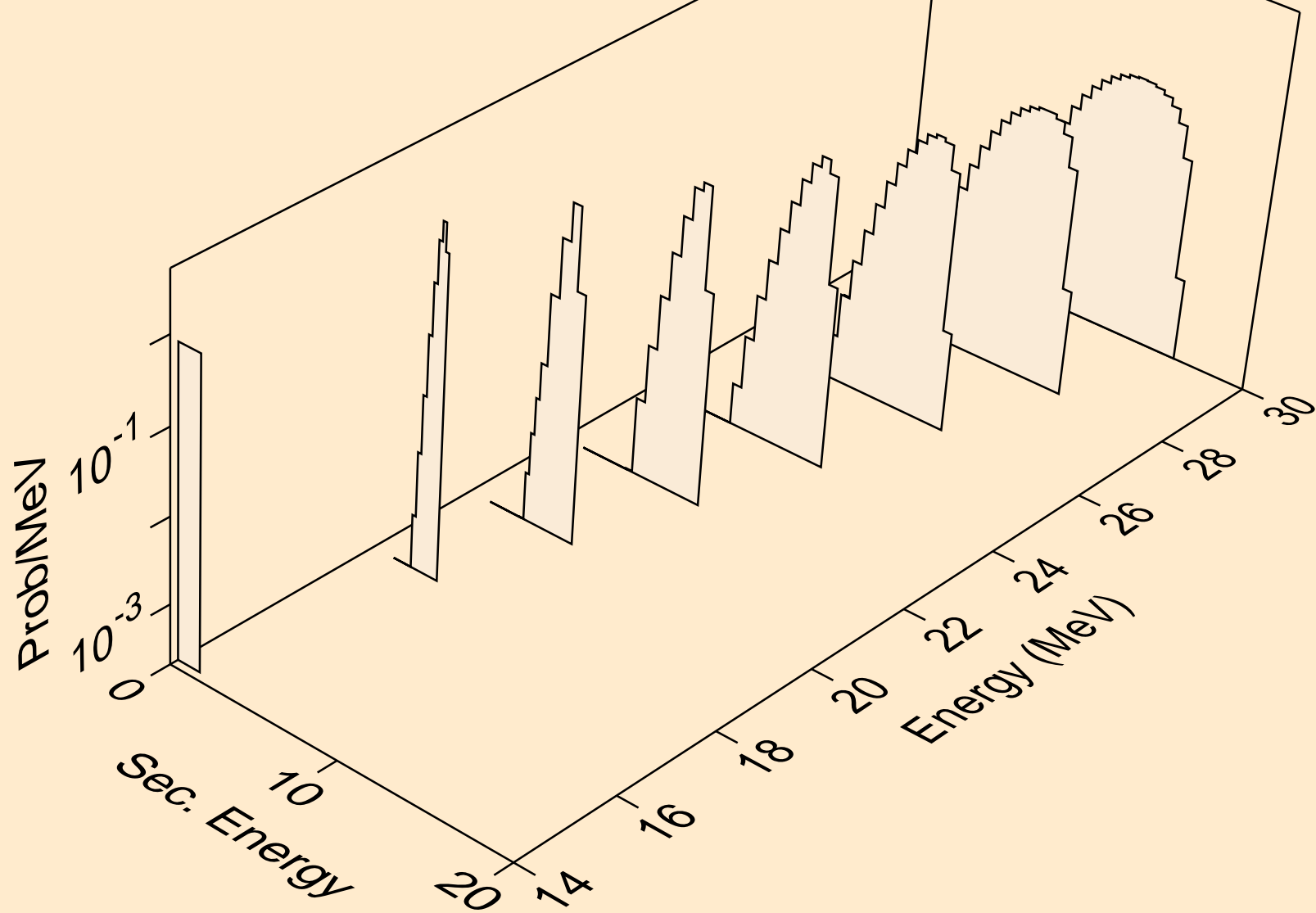
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,x)



HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,2nd)

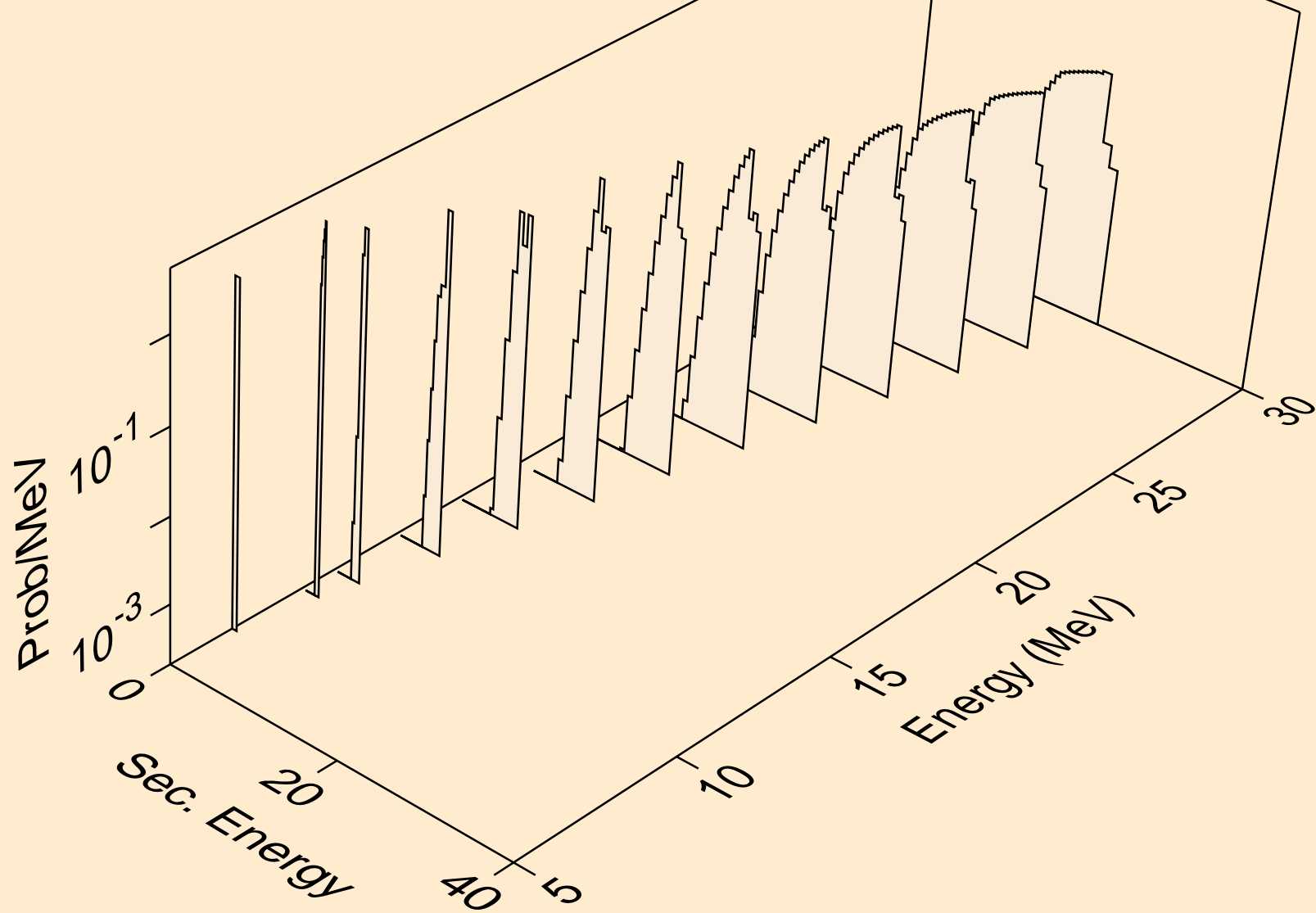


HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,n\*)d

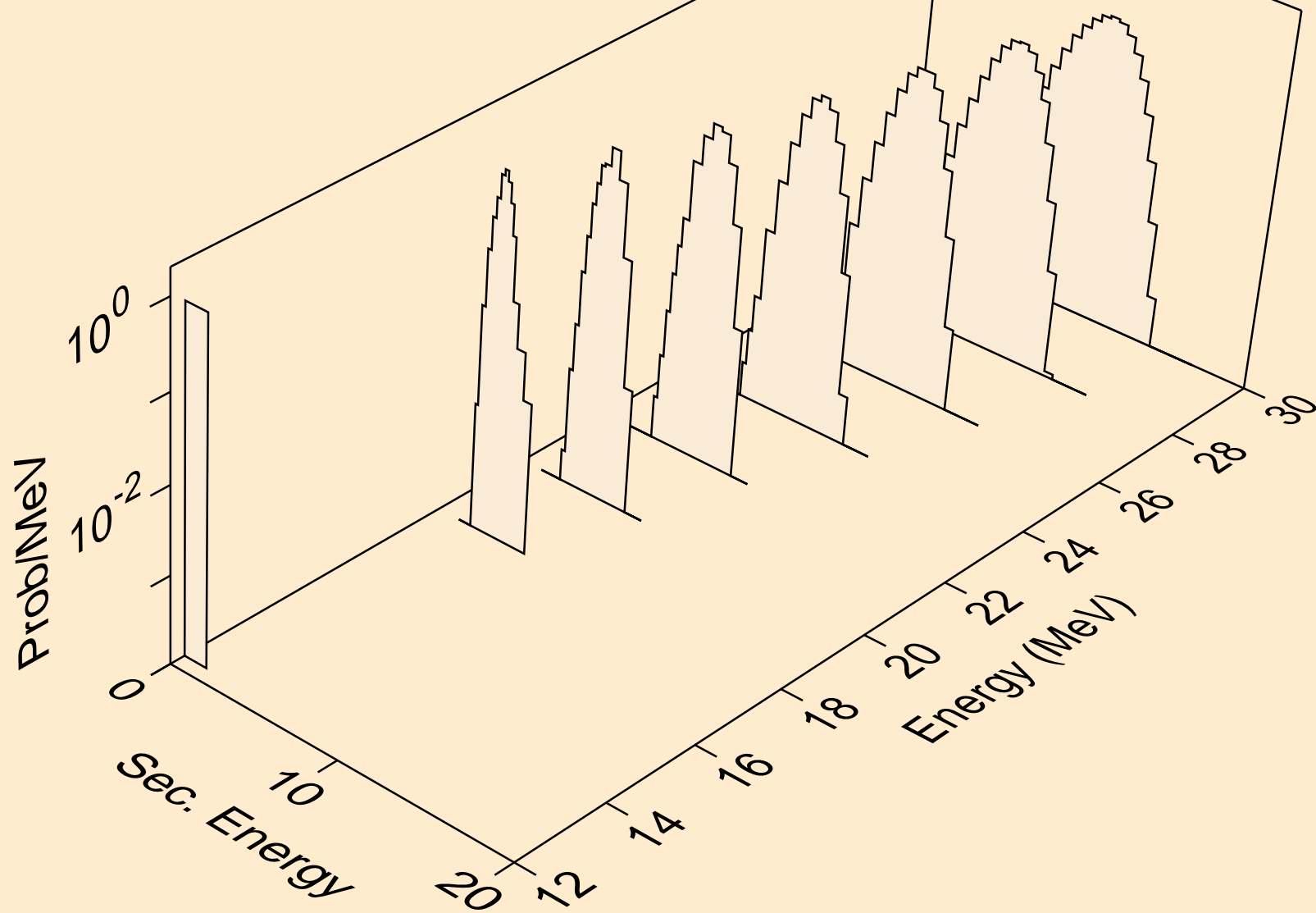




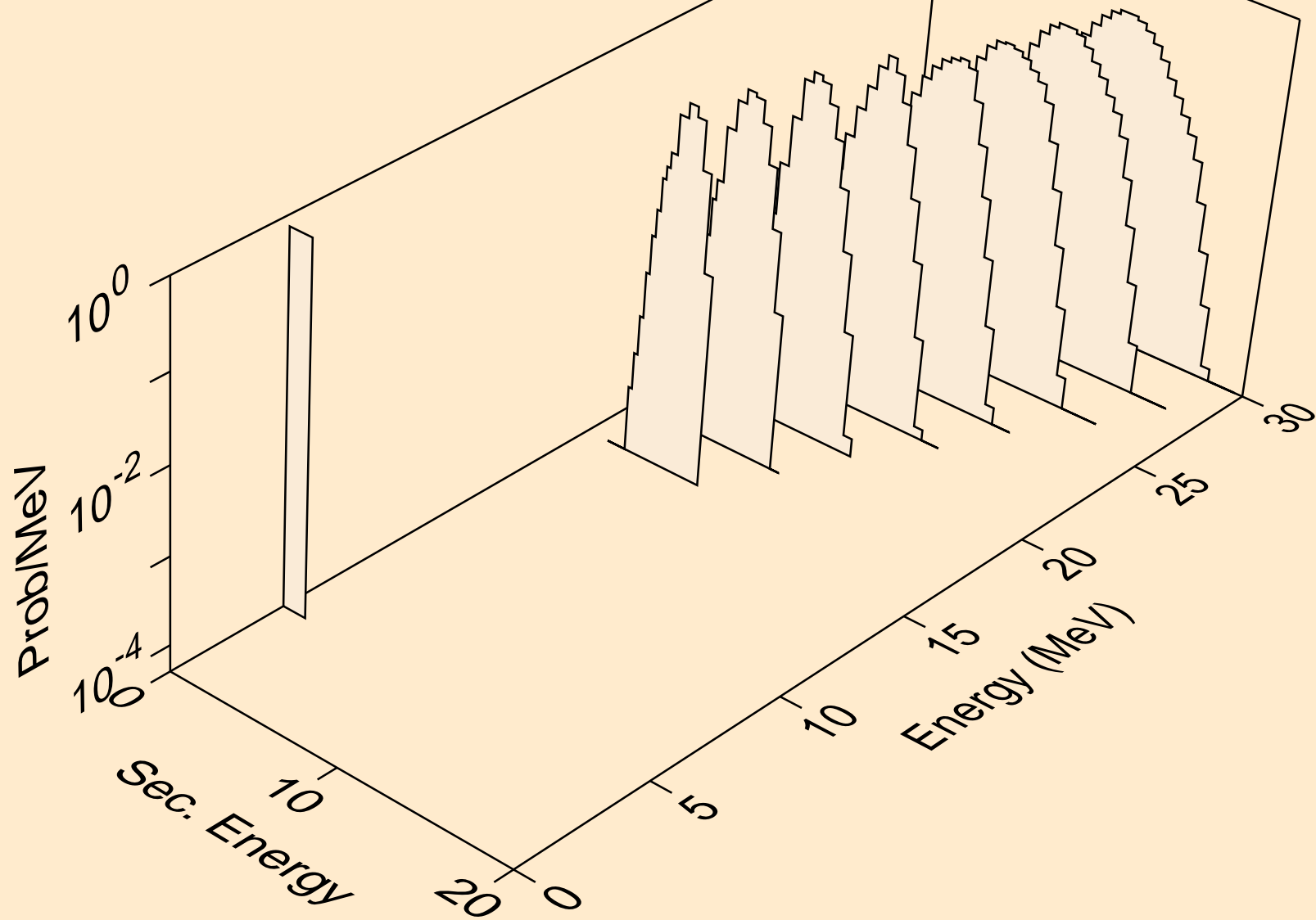
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deuterons from (p,d)



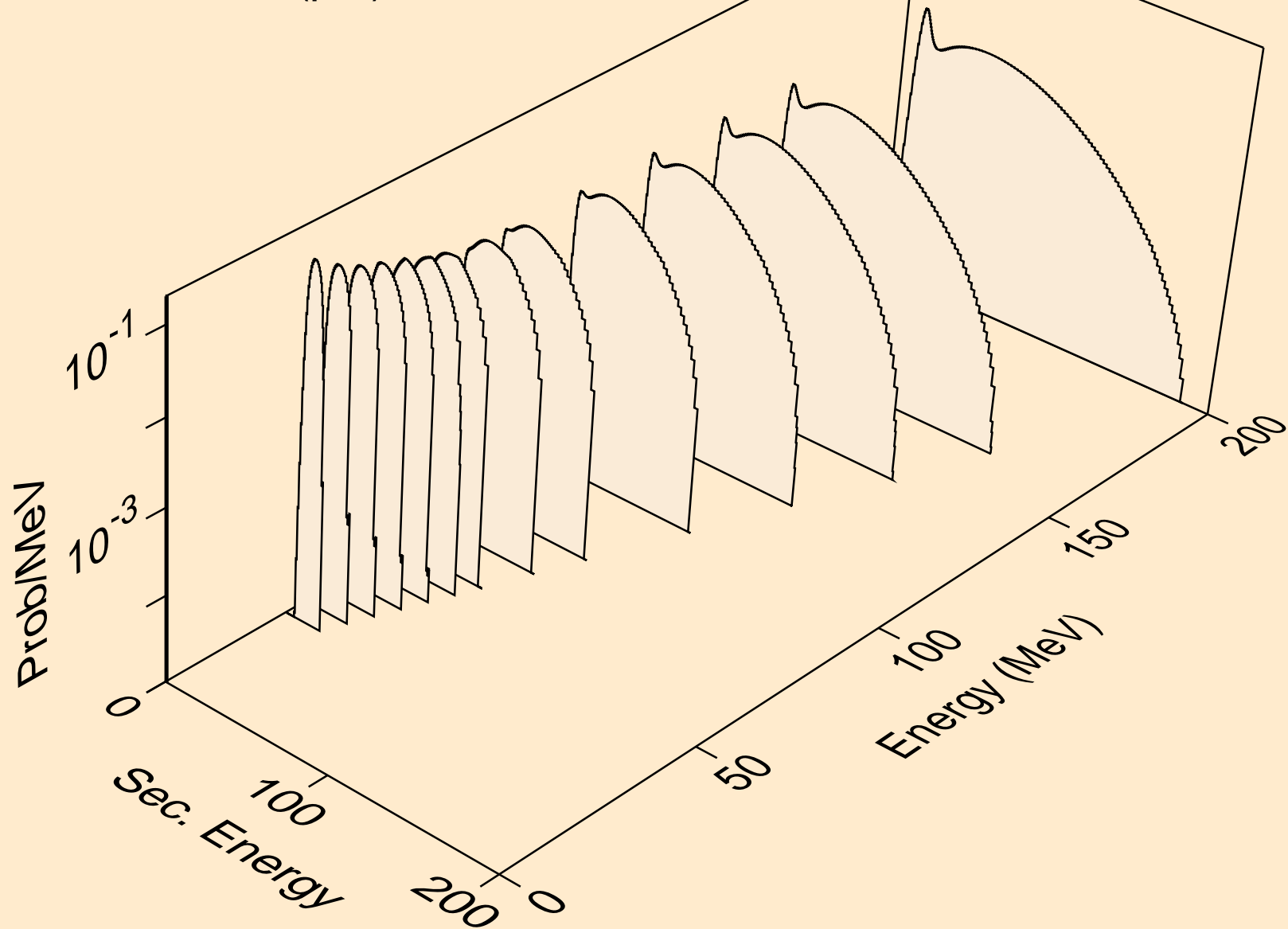
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deuterons from (p,pd)



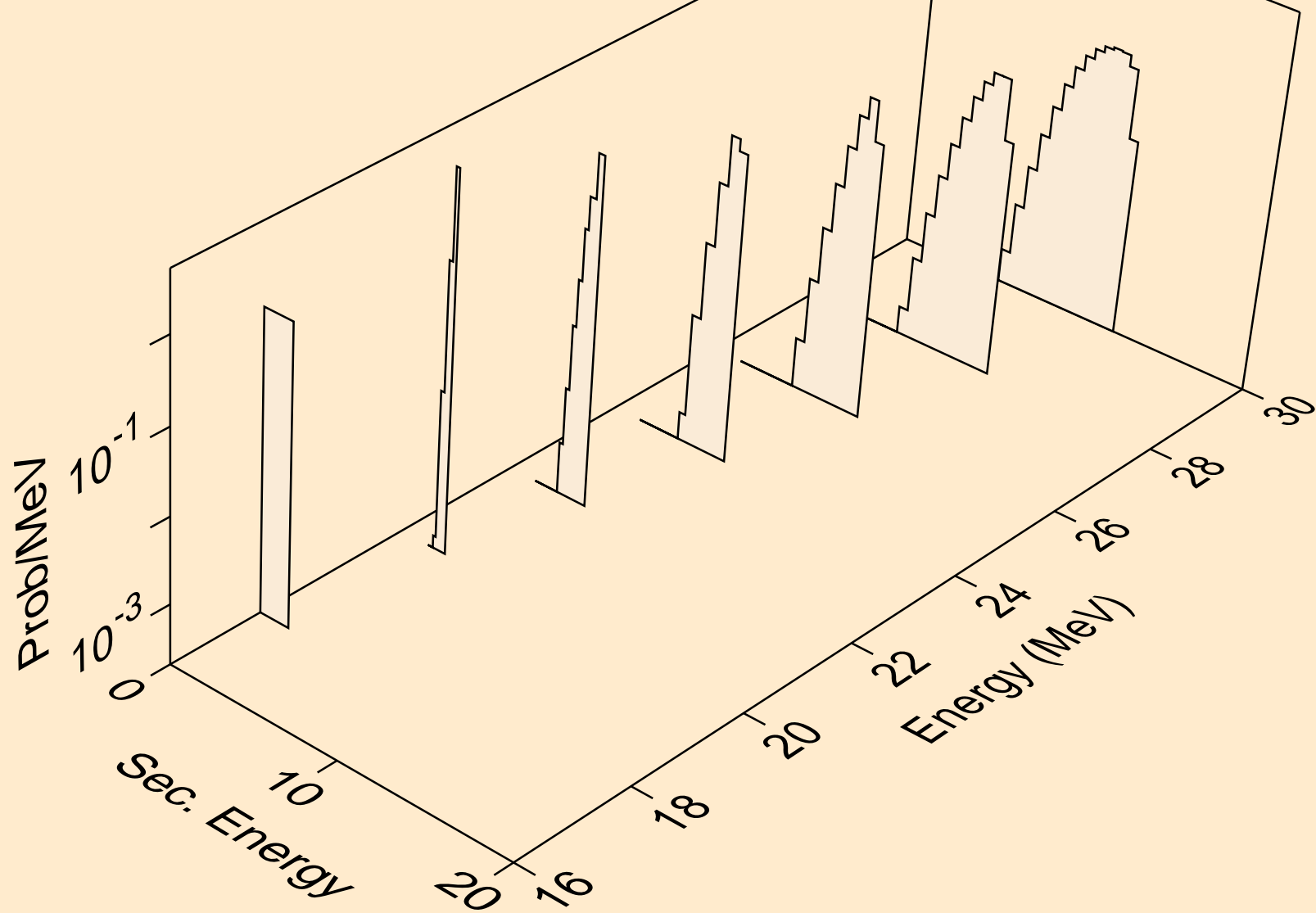
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deuterons from (p,da)



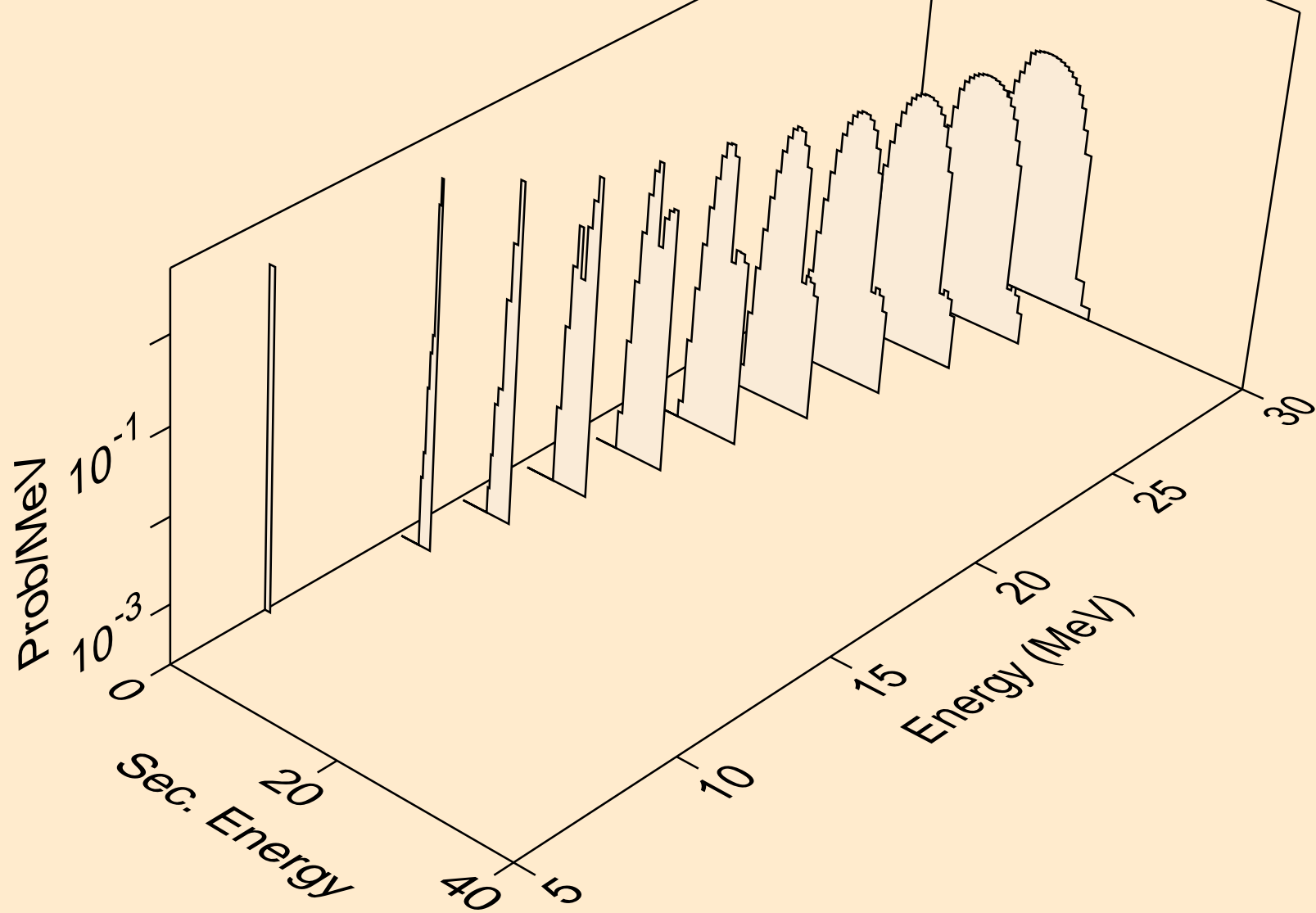
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)



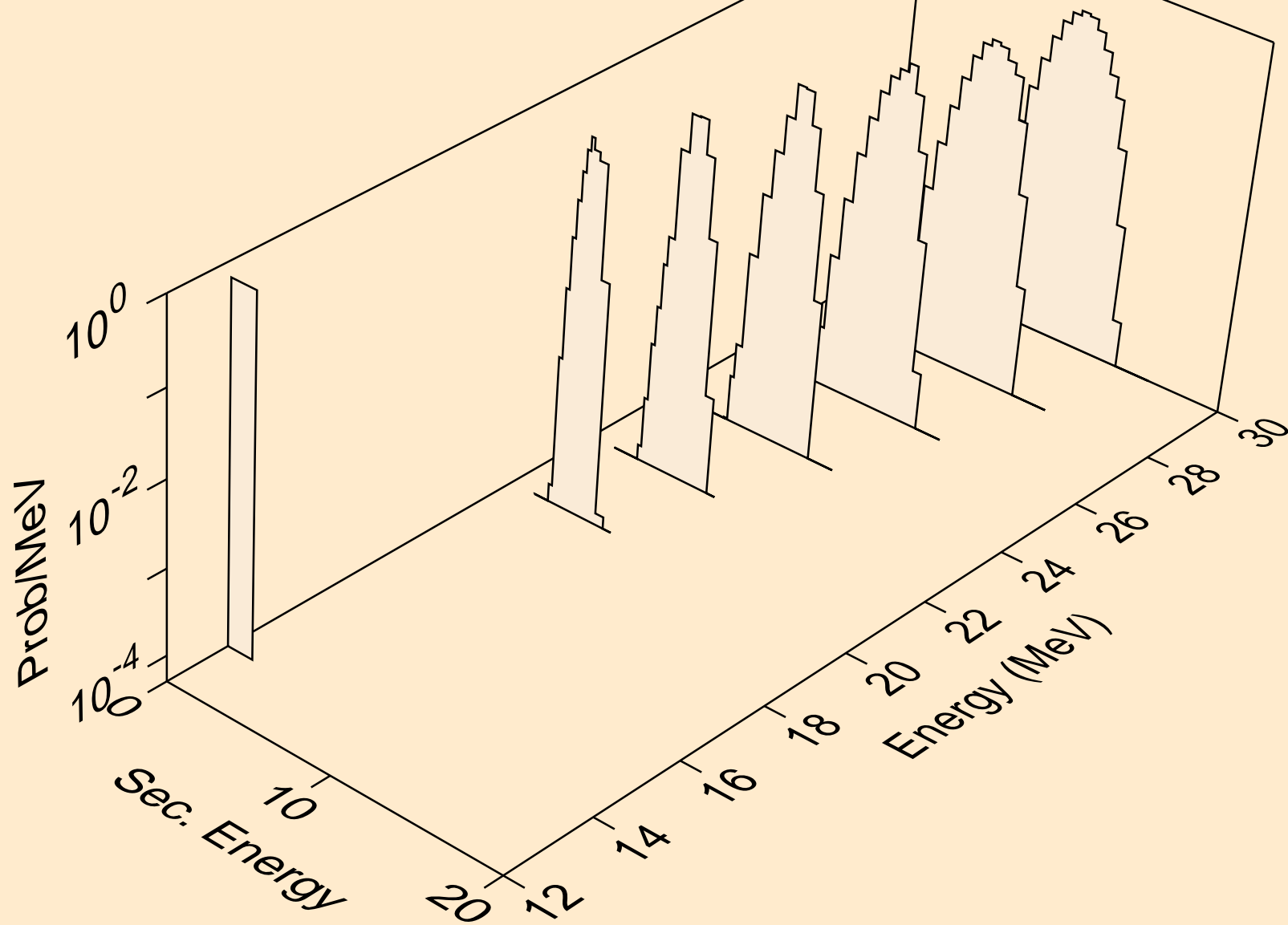
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,n\*)t



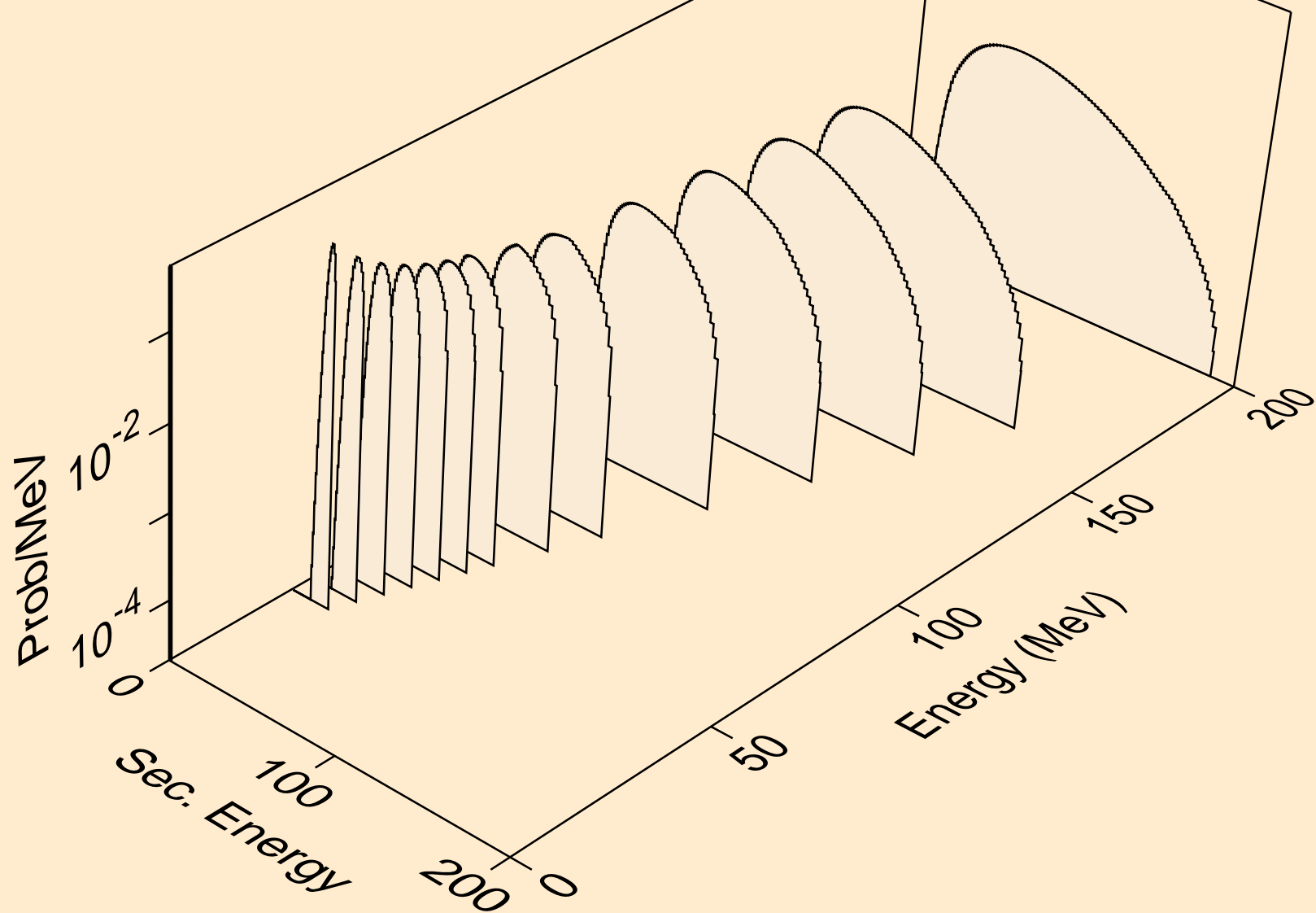
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,t)



HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,pt)

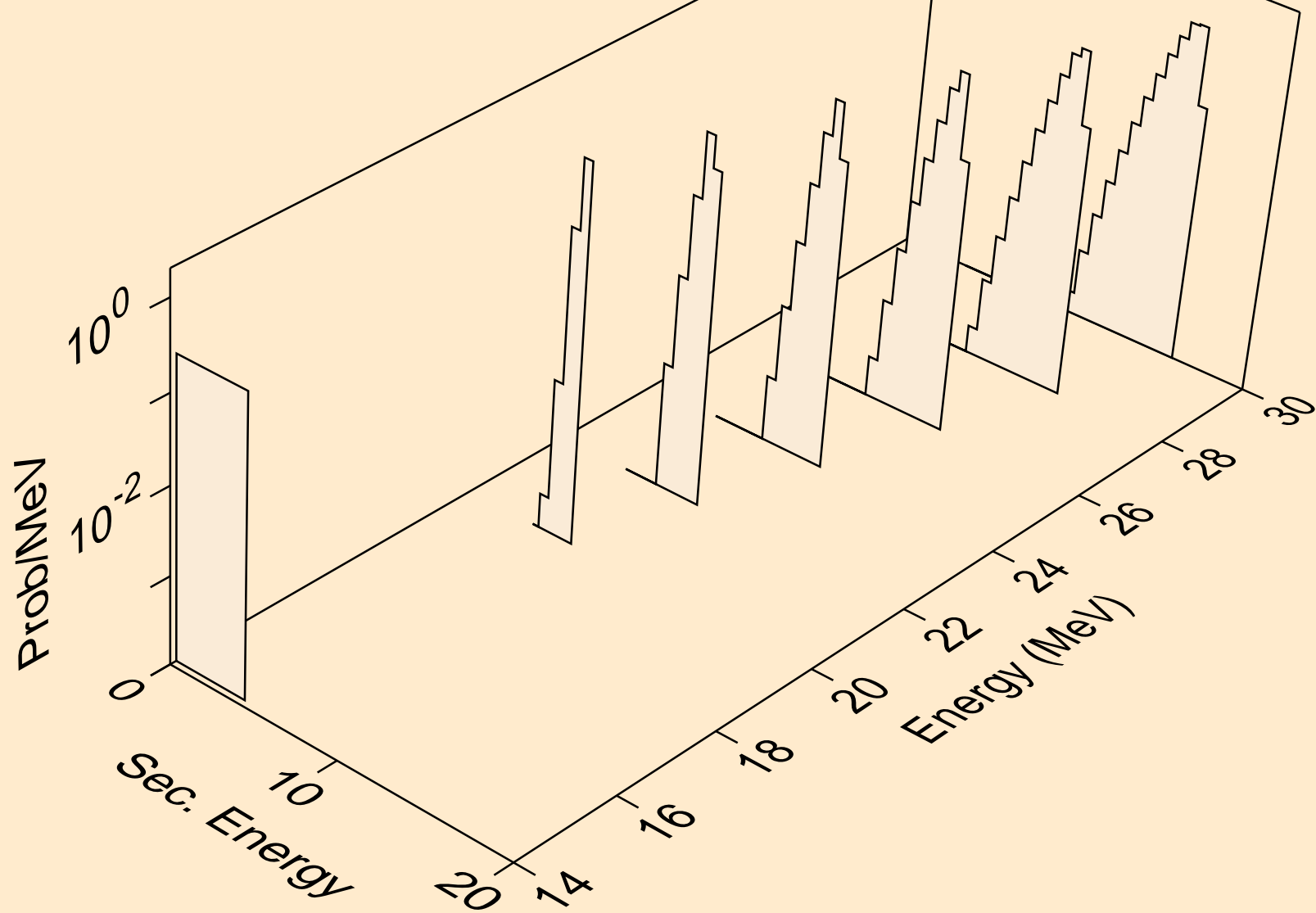


HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)

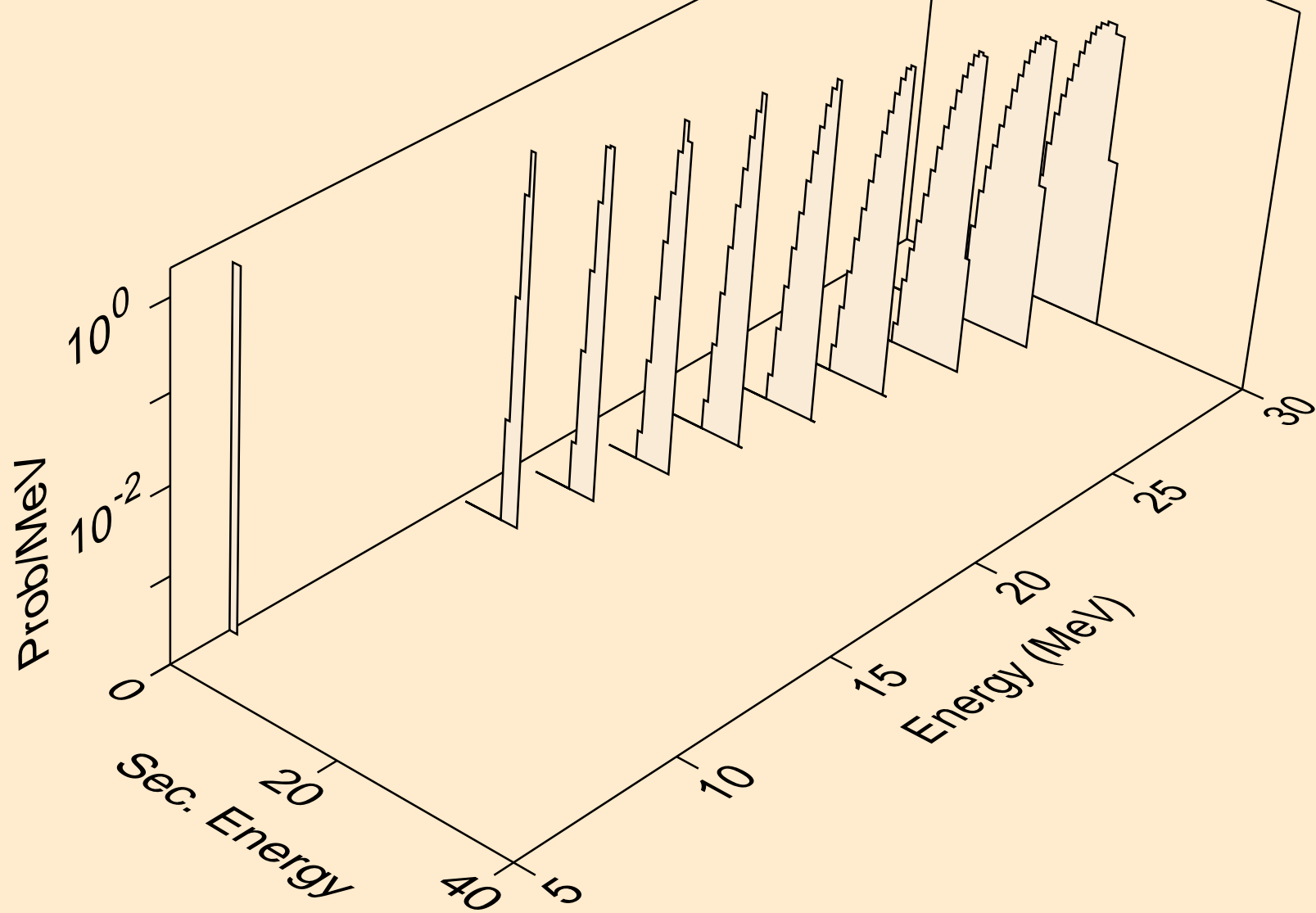




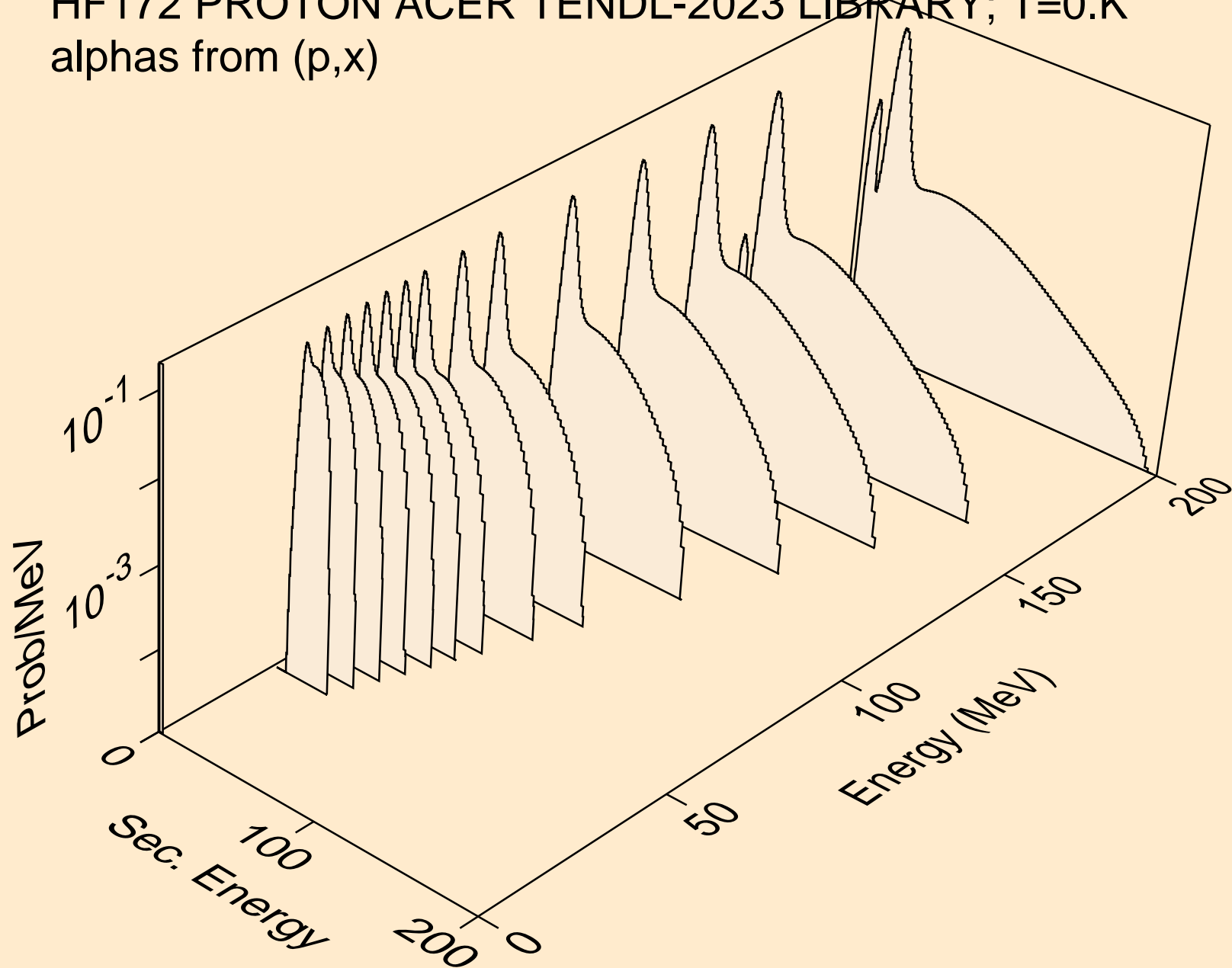
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3



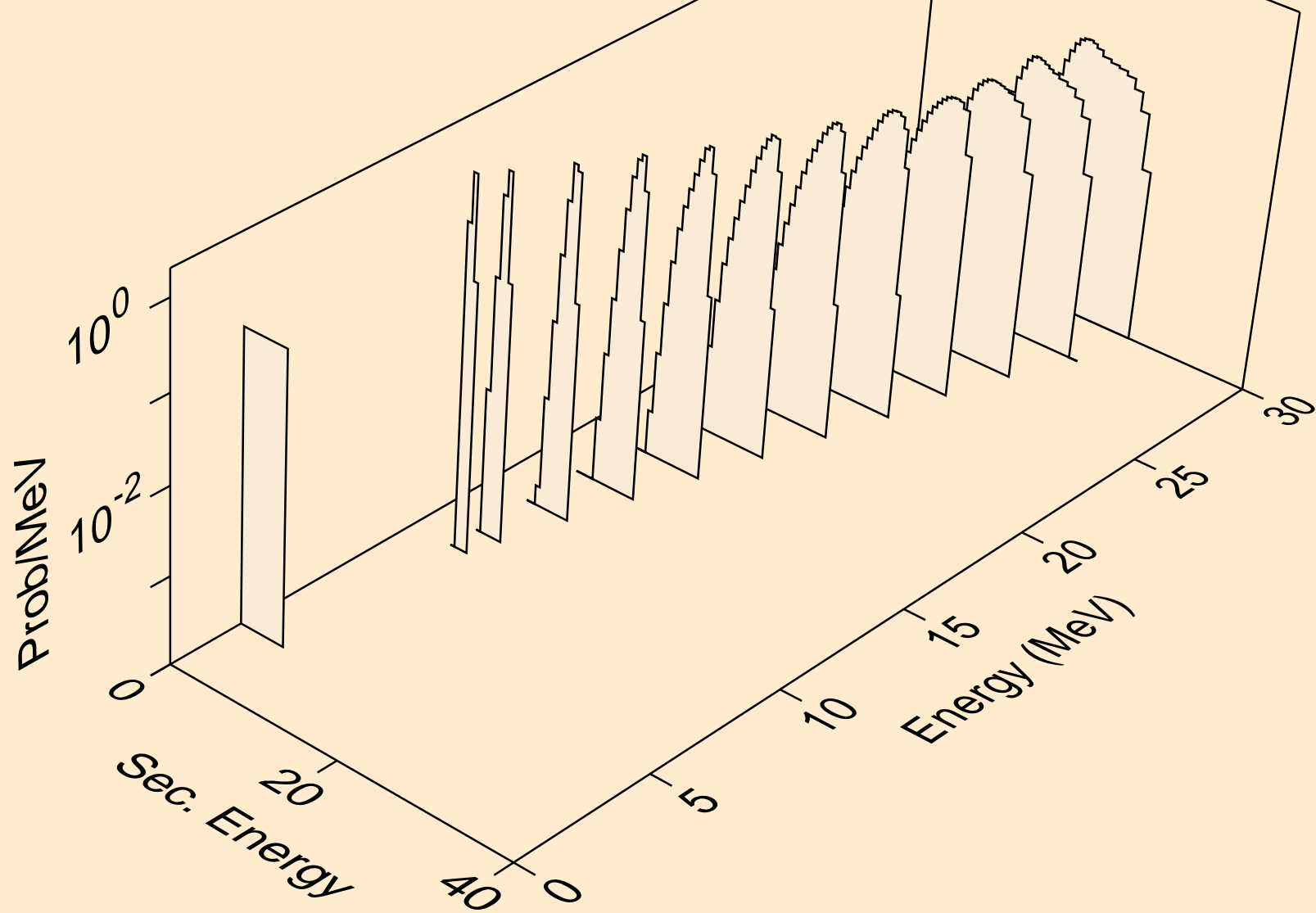
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he3s from (p,he3)



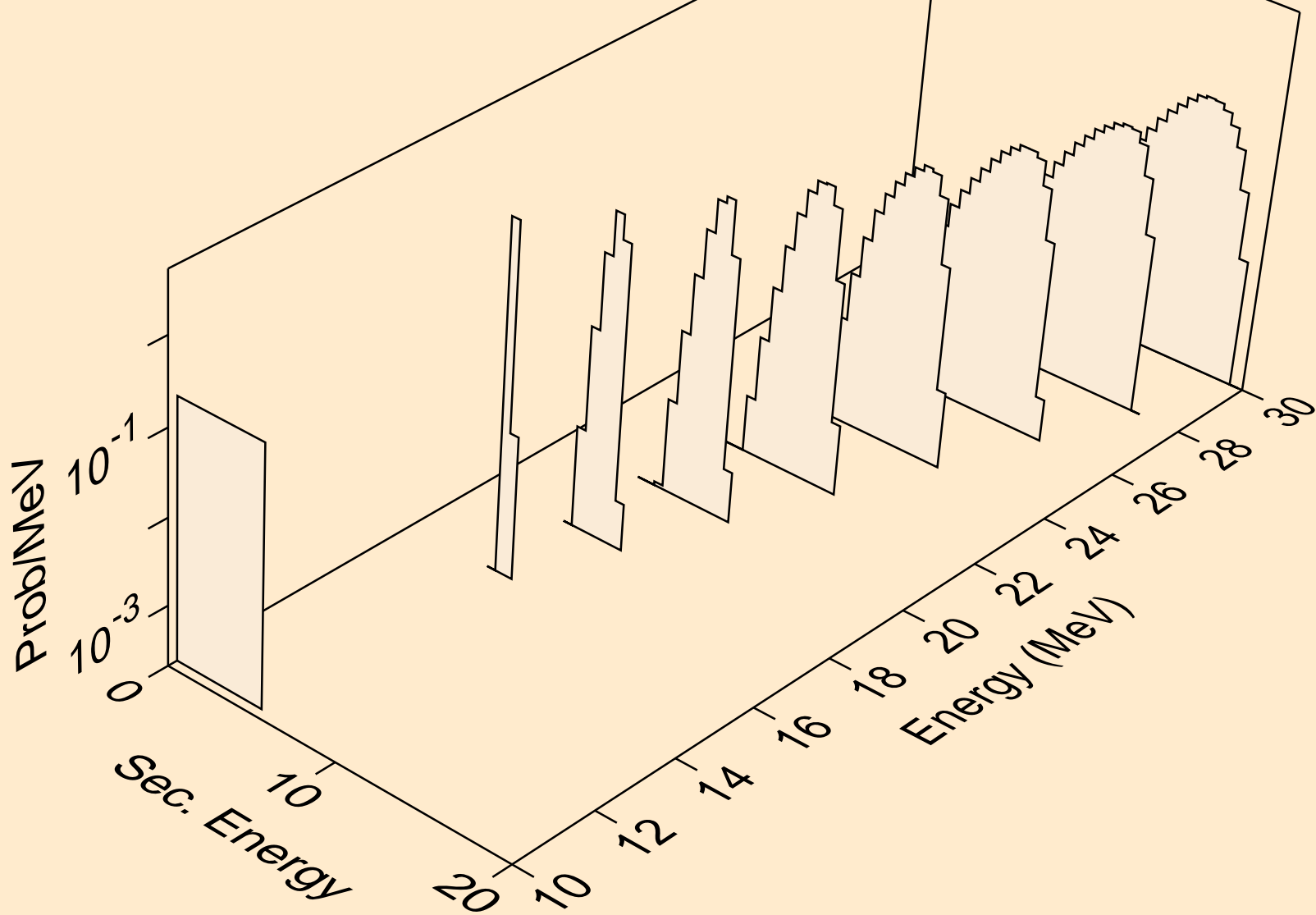
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)



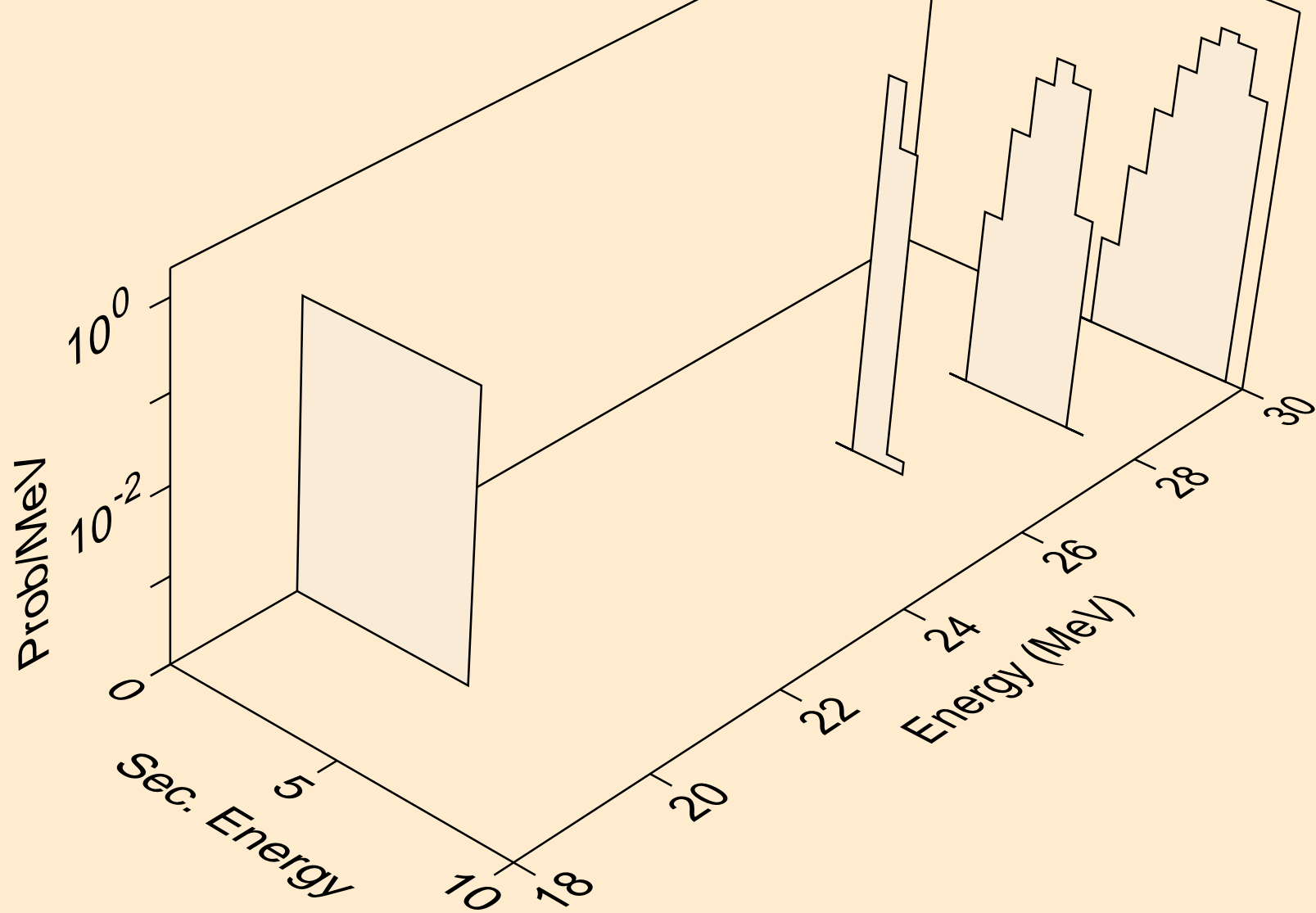
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a



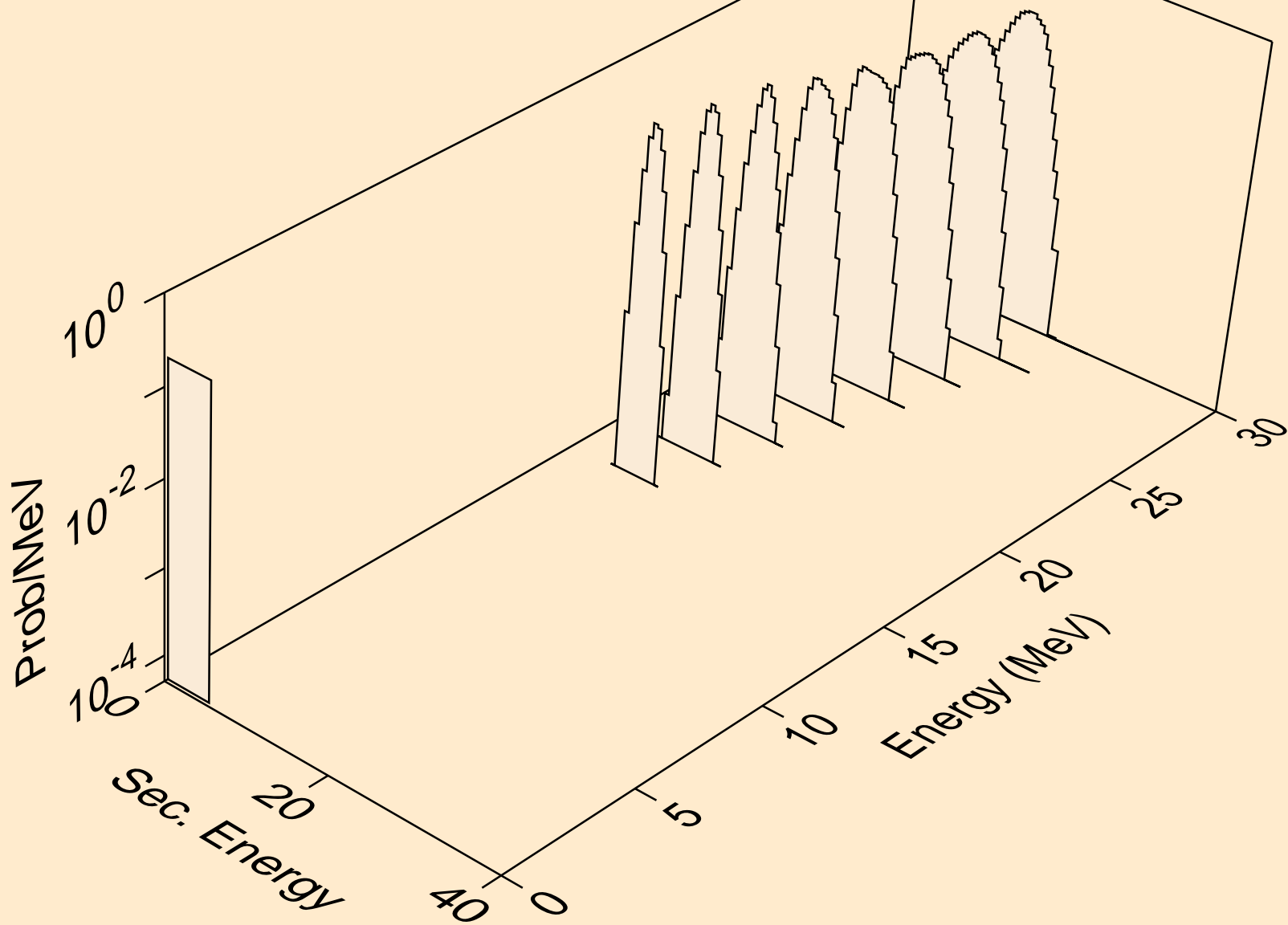
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)a



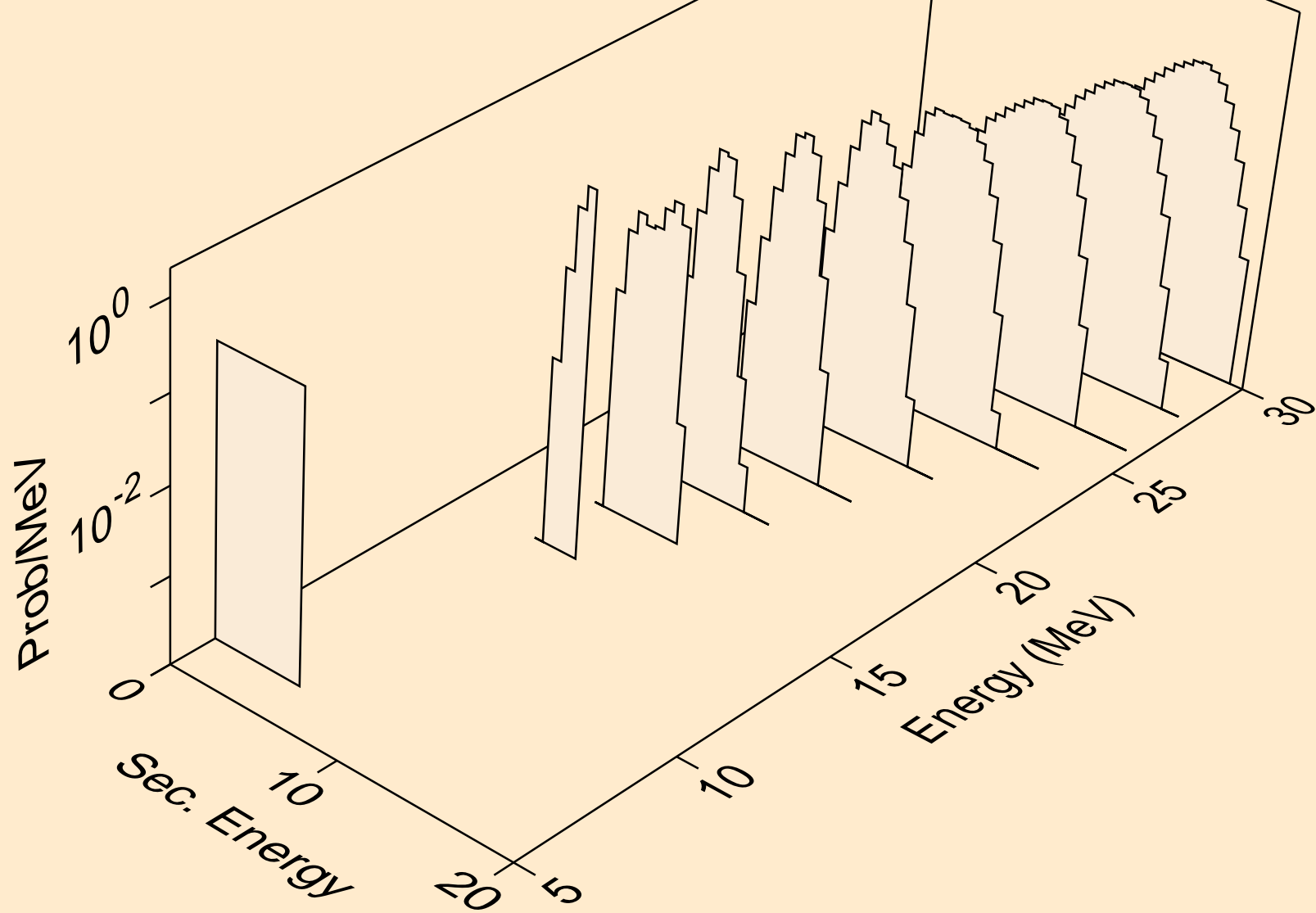
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3n)a



HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)2a

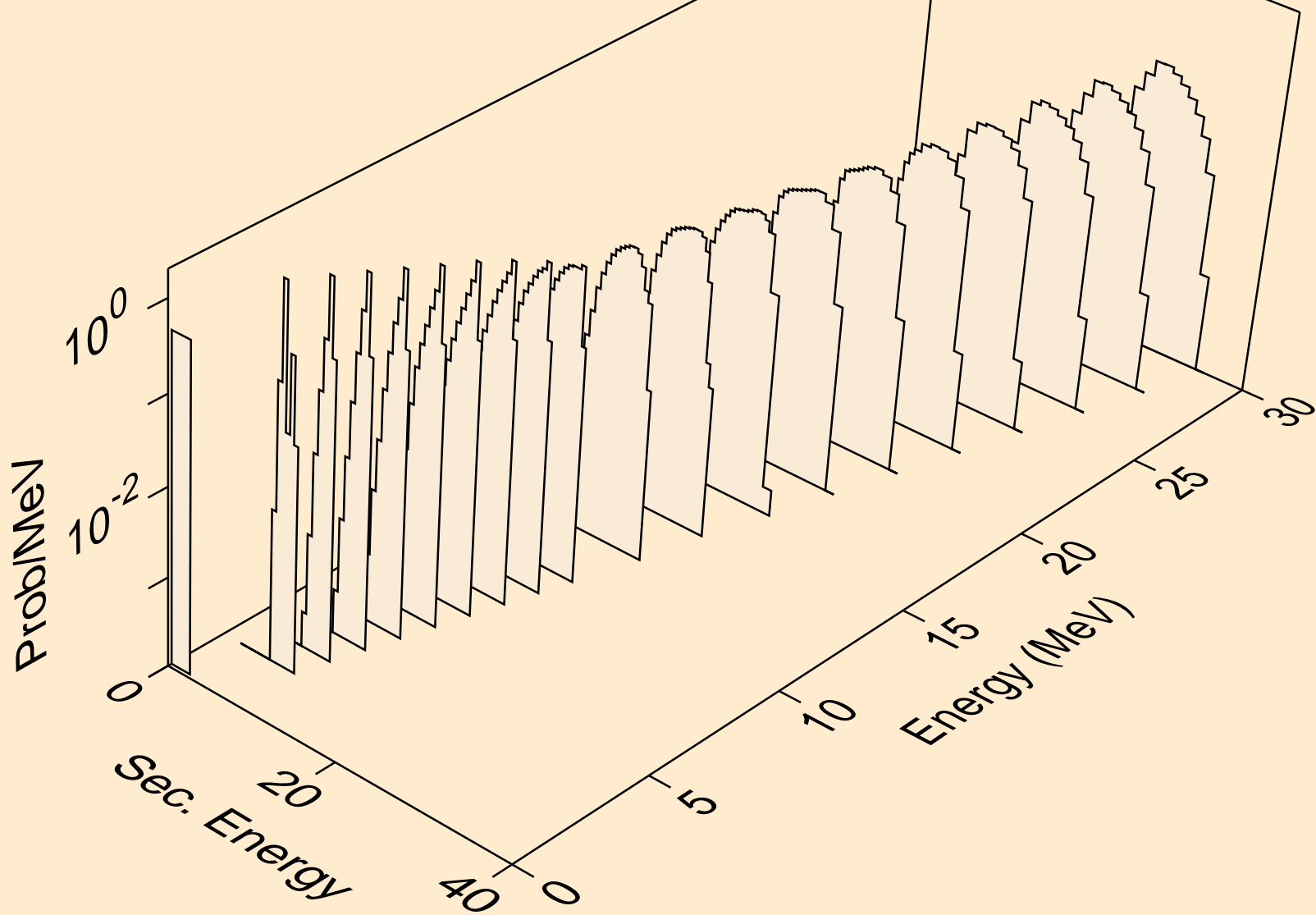


HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,npa)

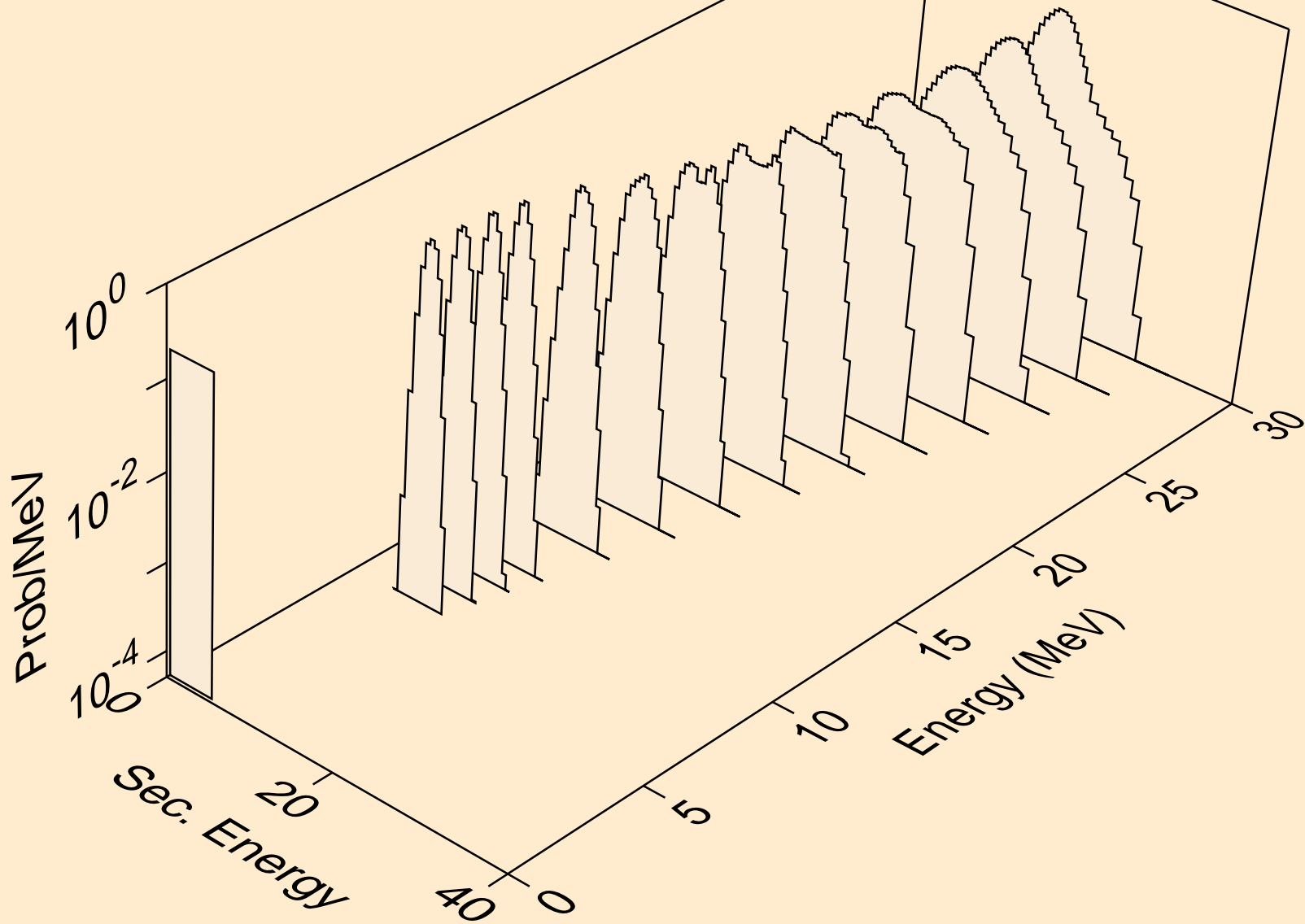




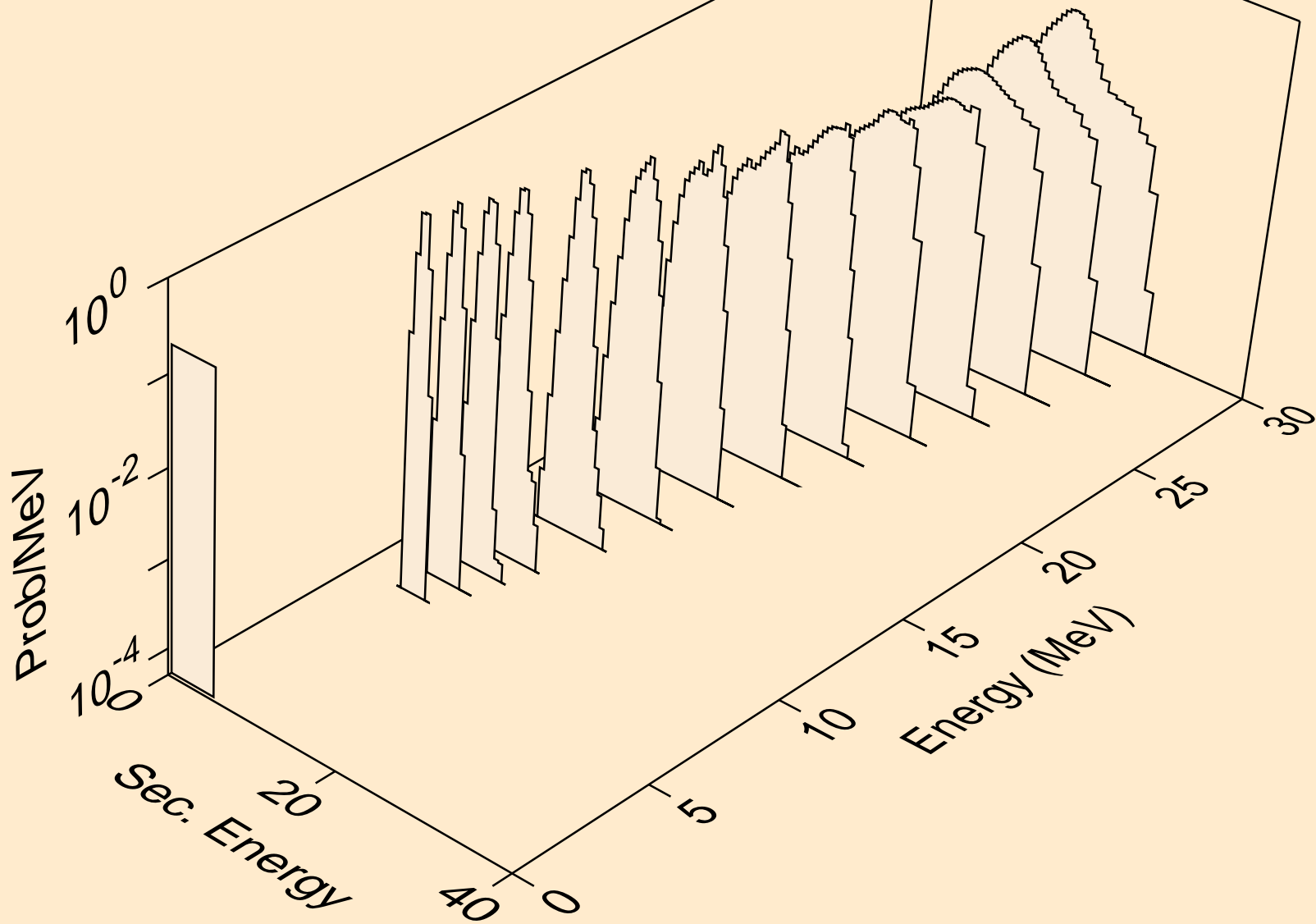
HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)



HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2a)



HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)



HF172 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,da)

