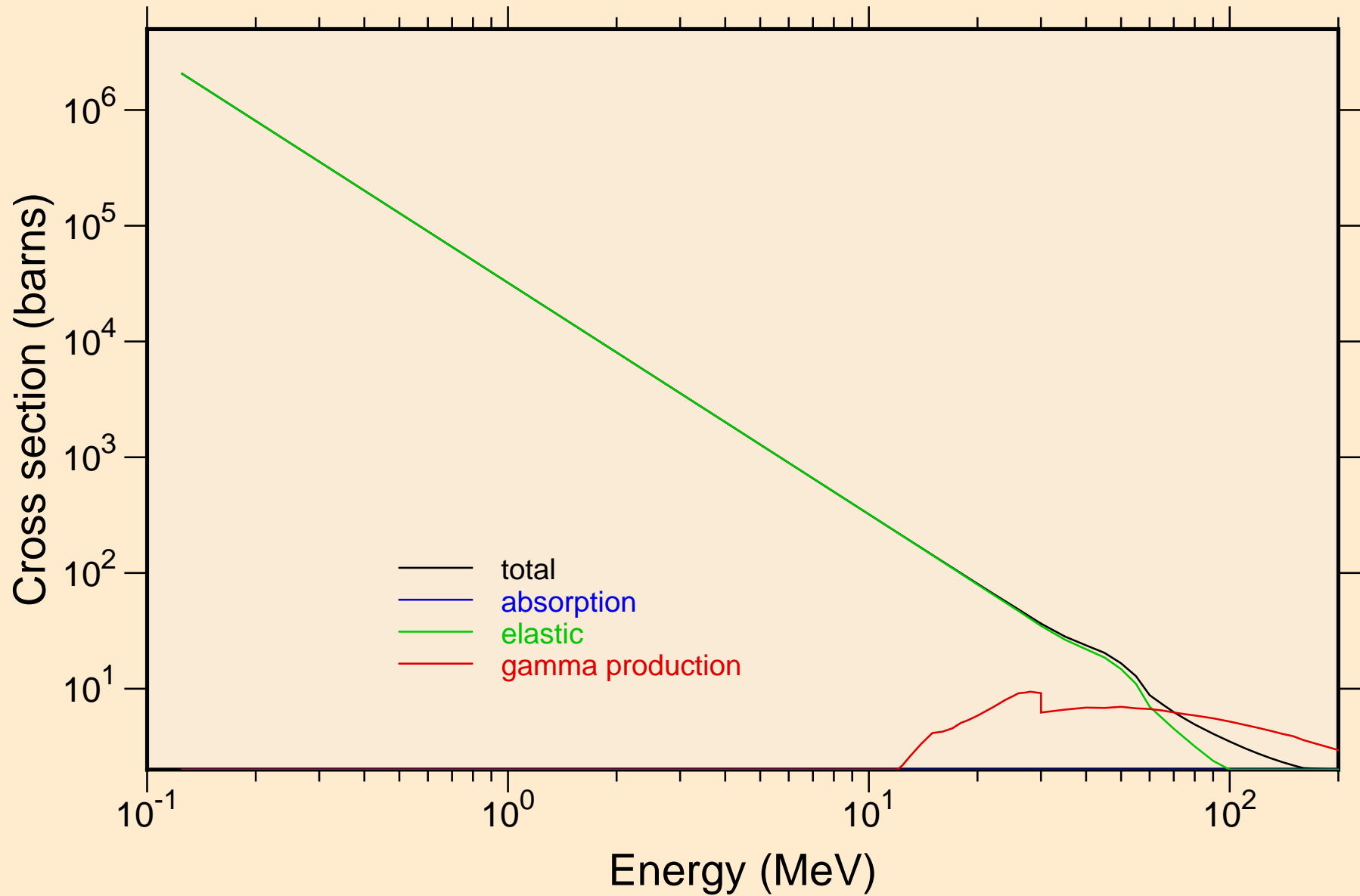
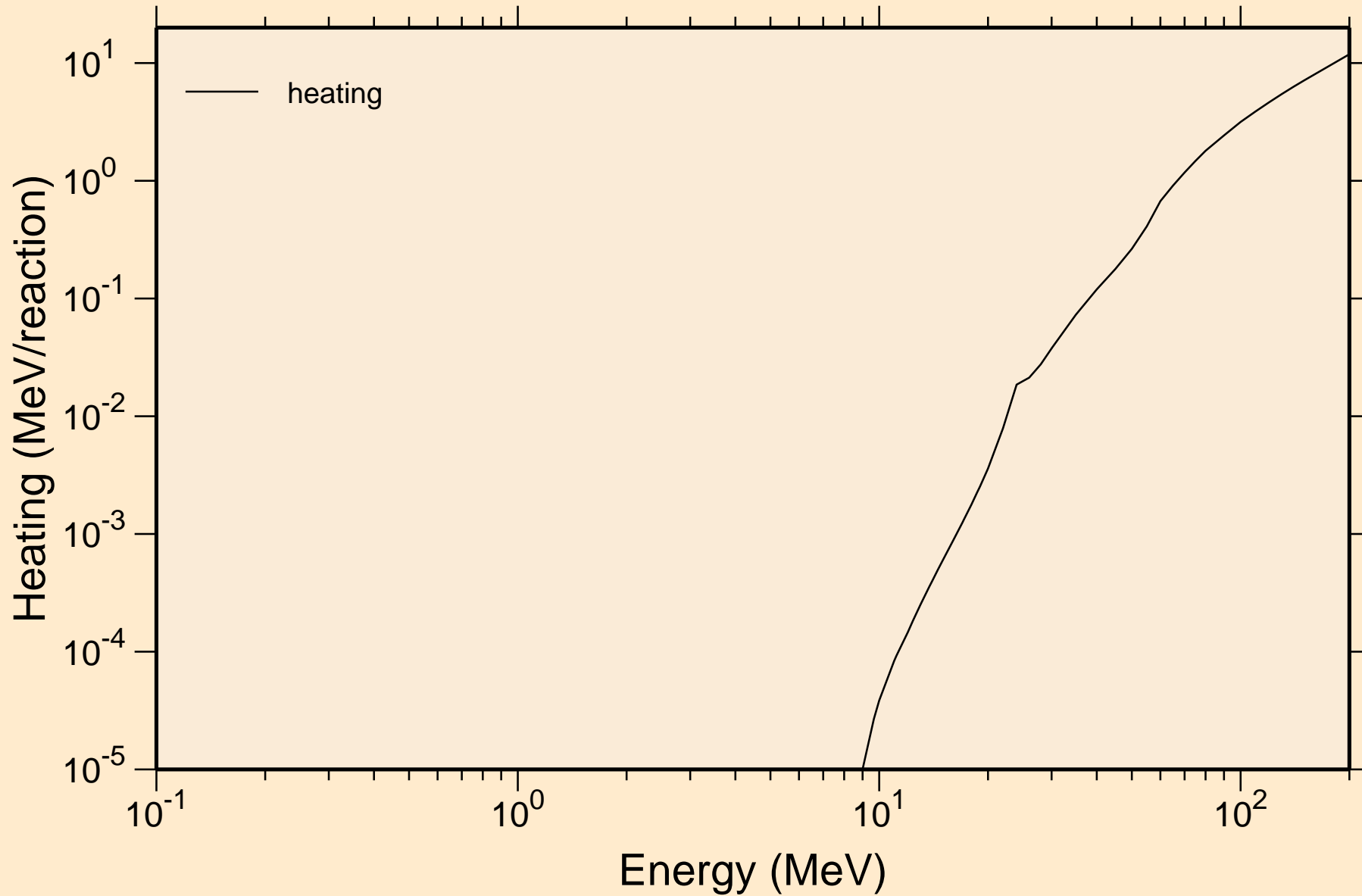


# HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

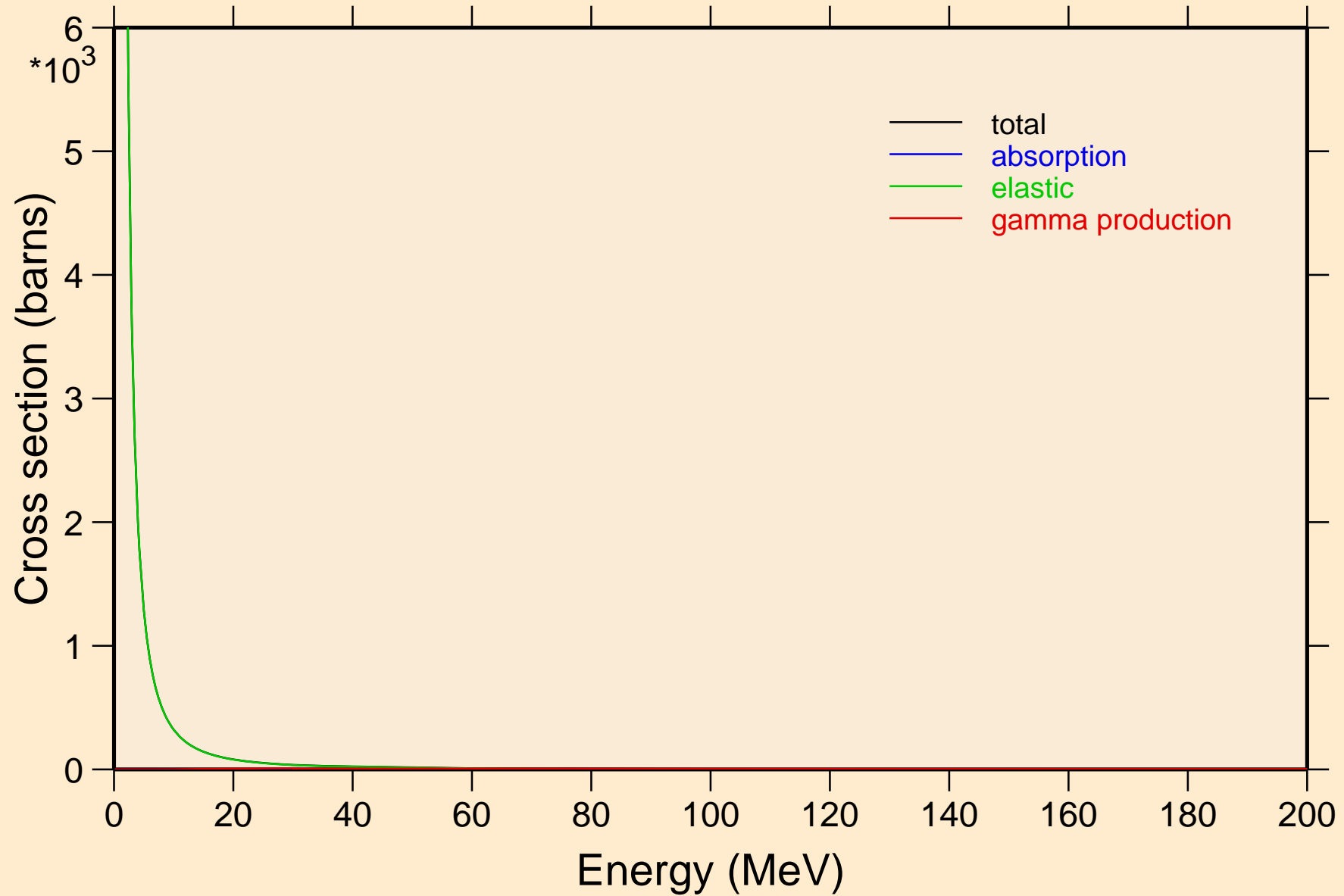


HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



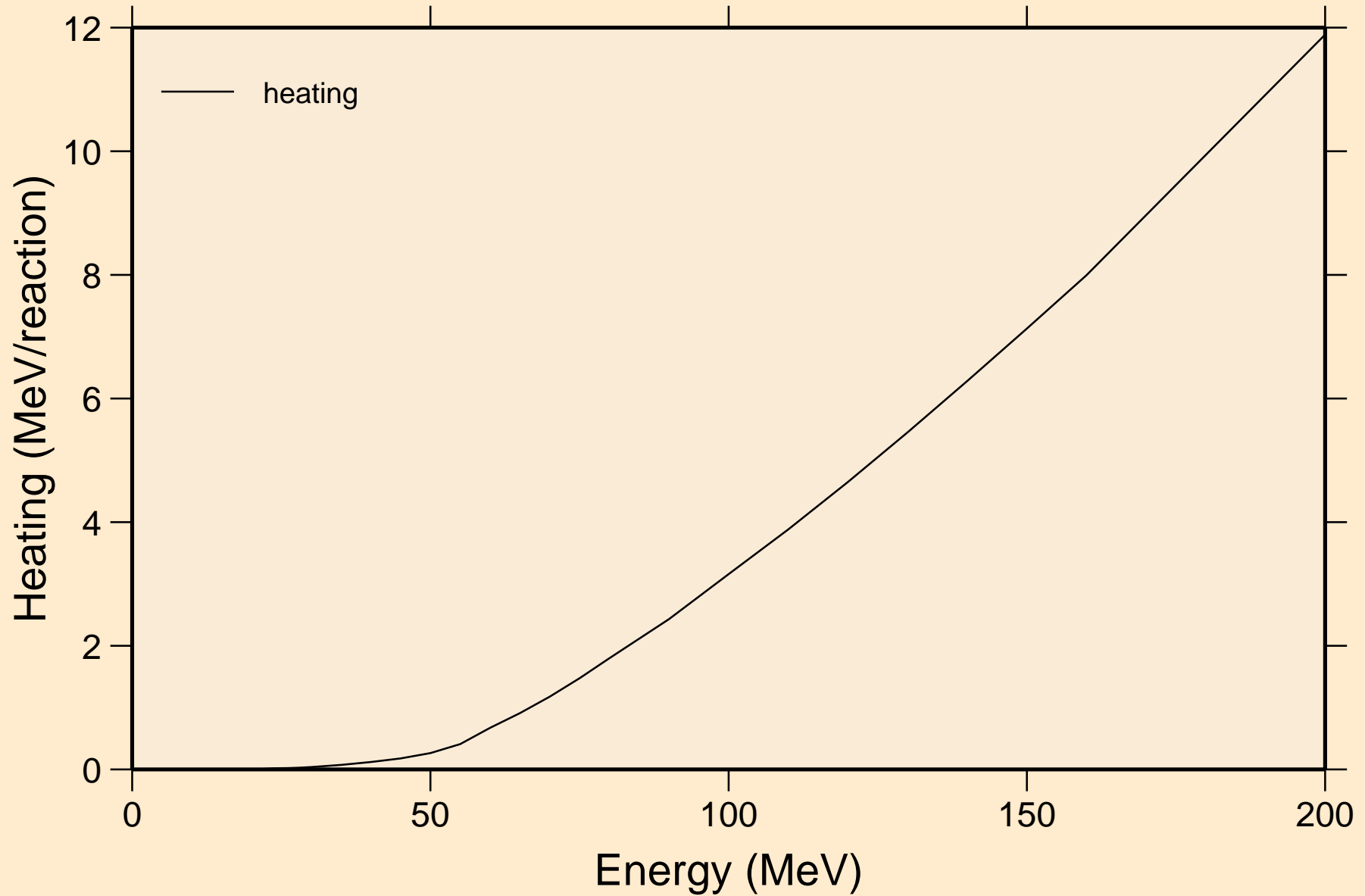
# HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



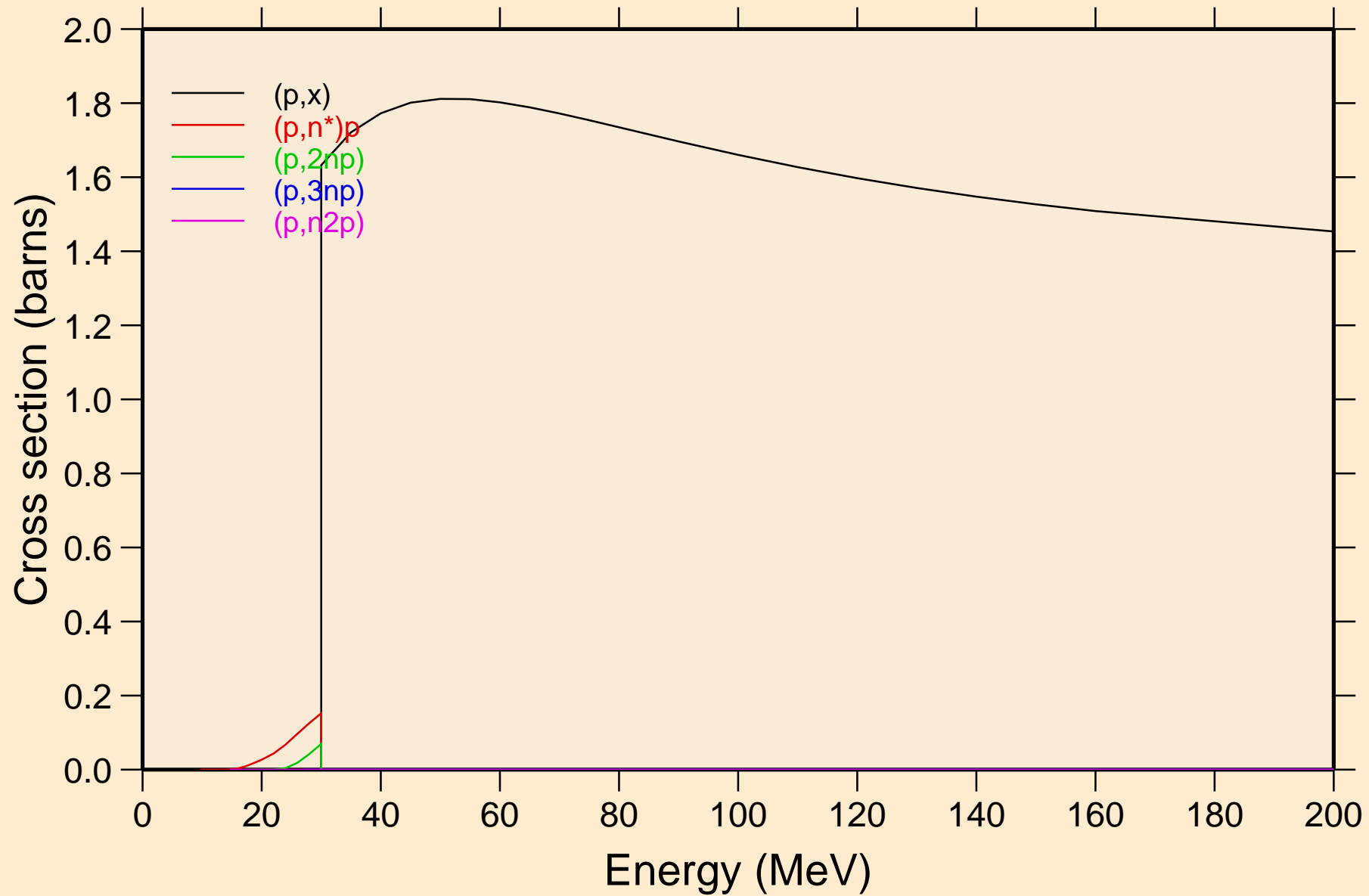
# HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



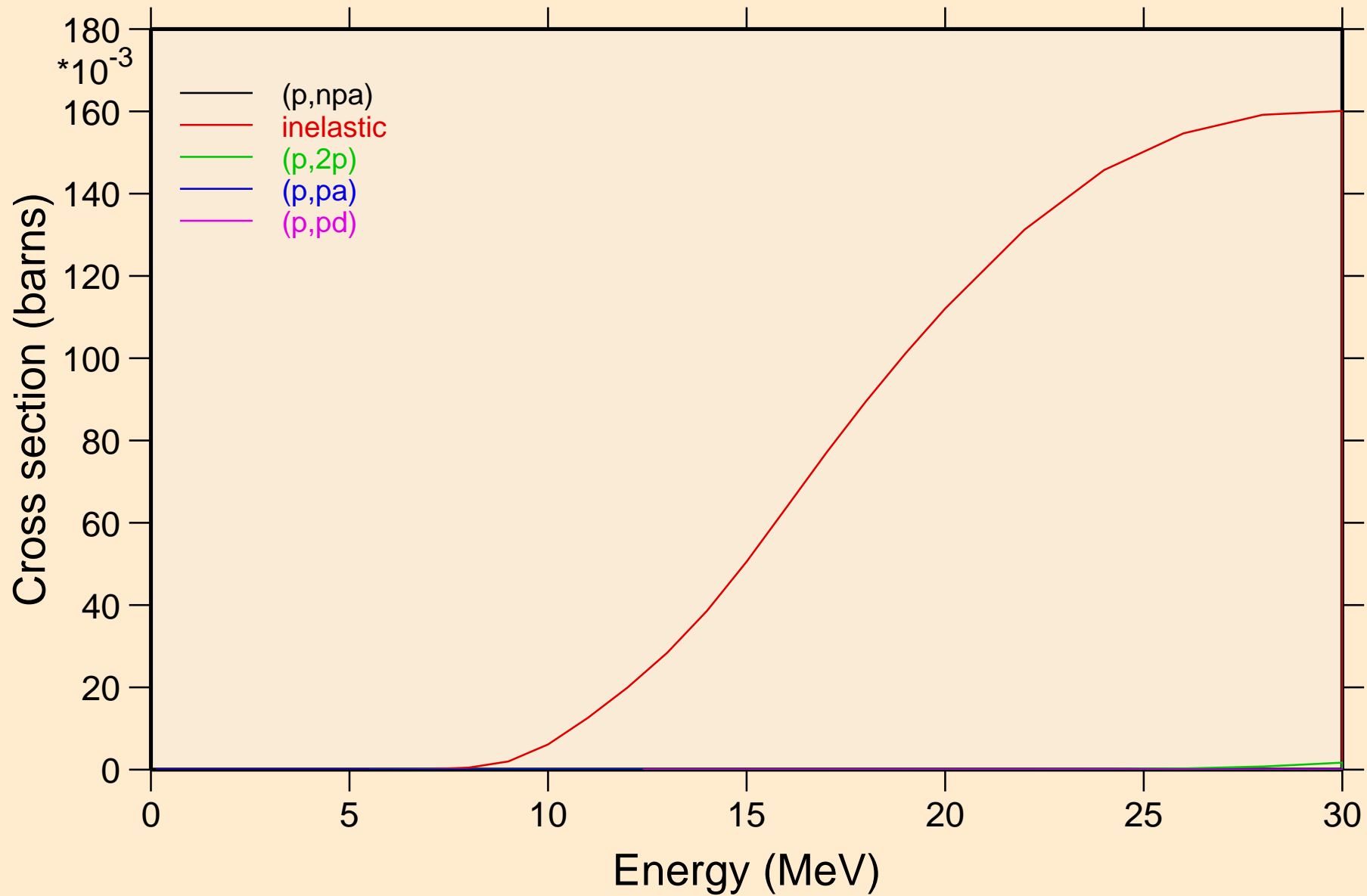
# HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



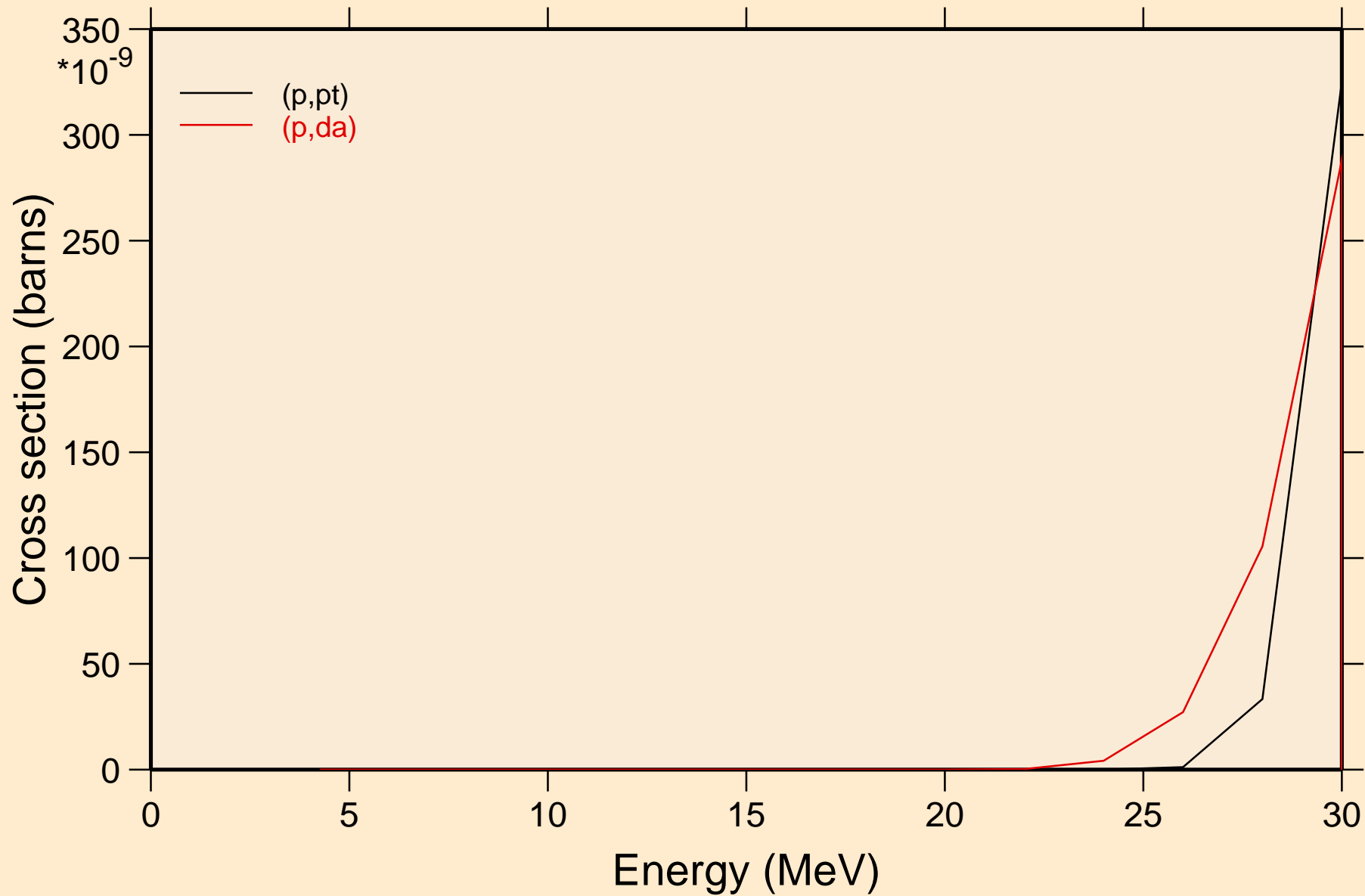
# HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

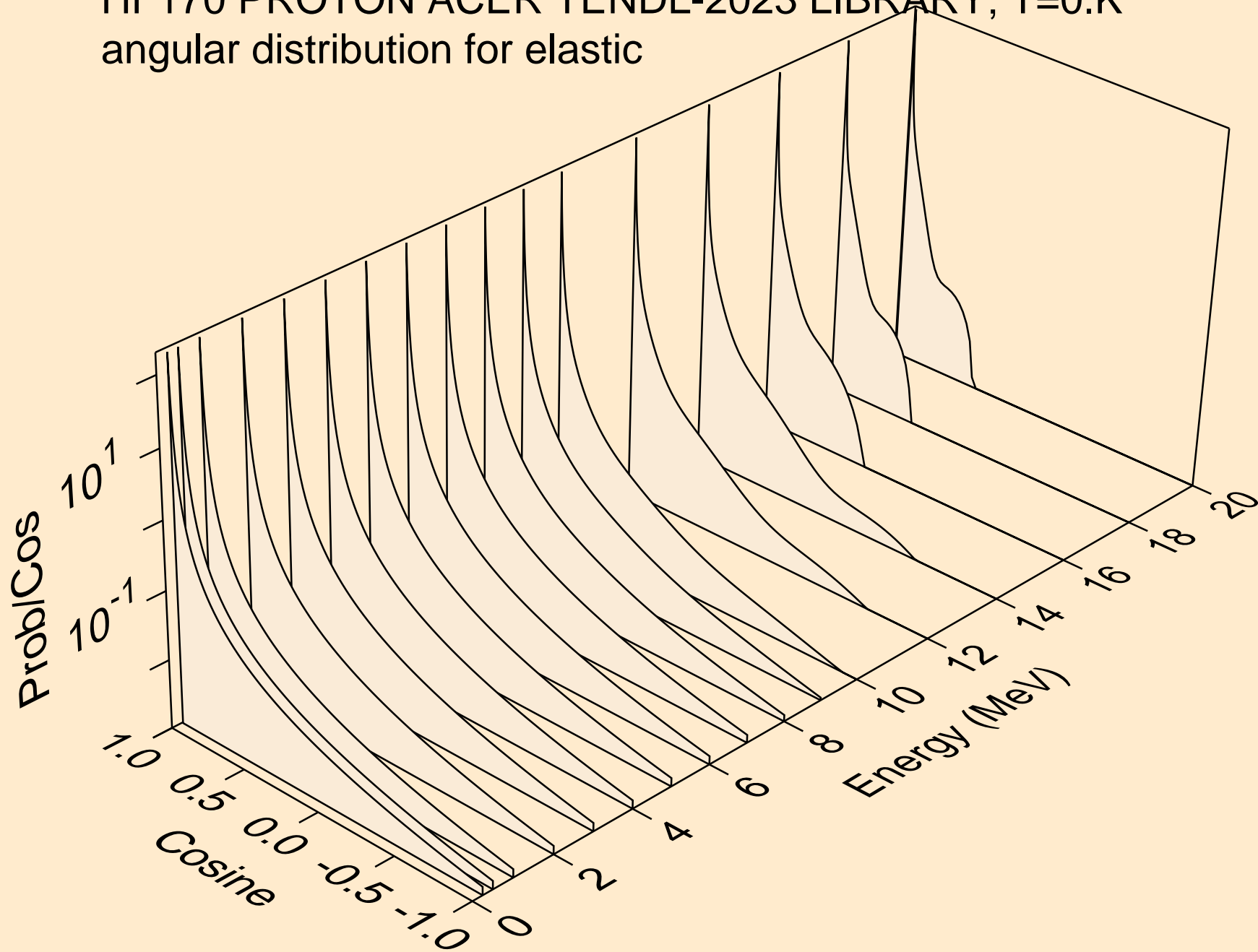


# HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

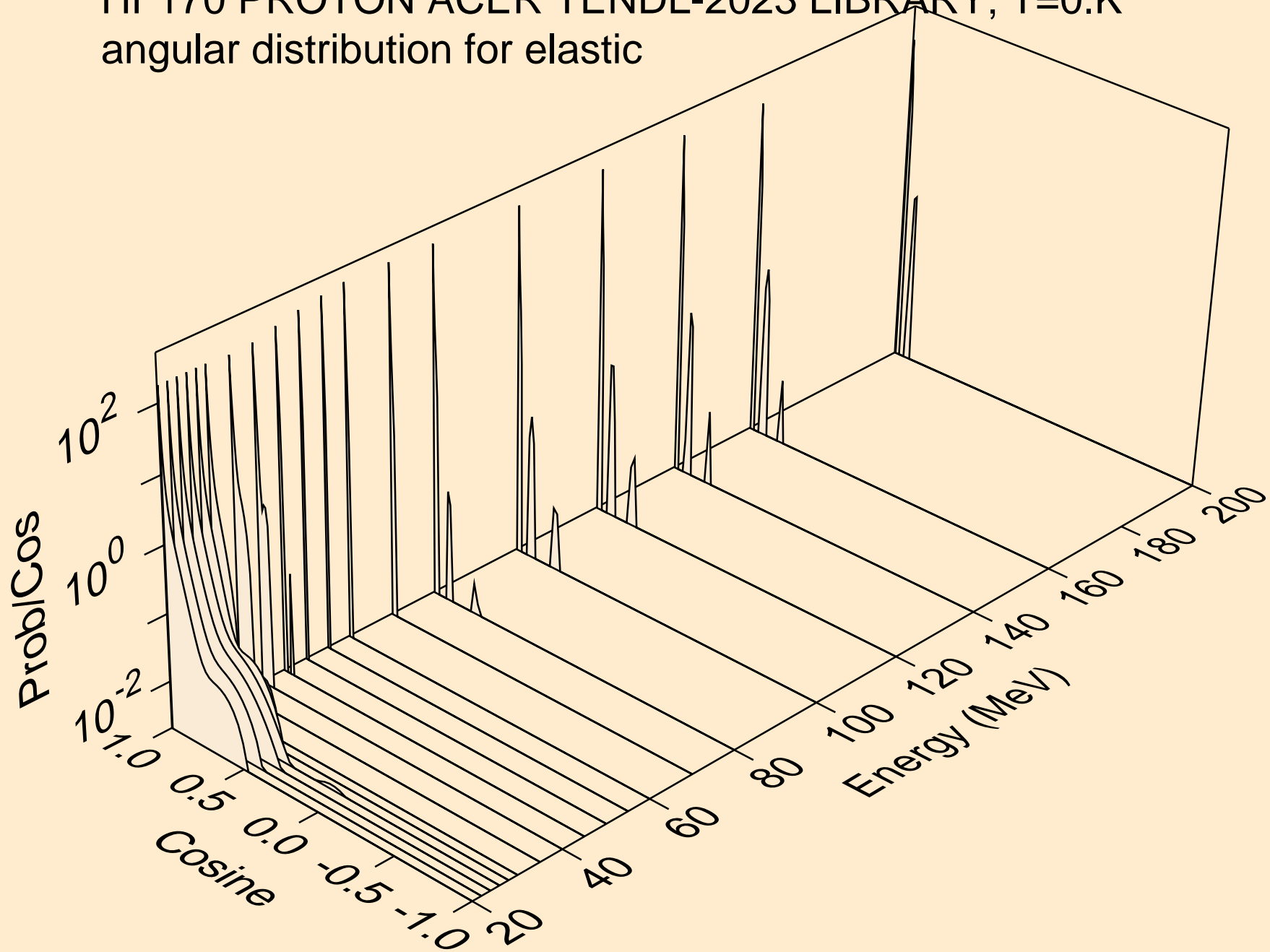


HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

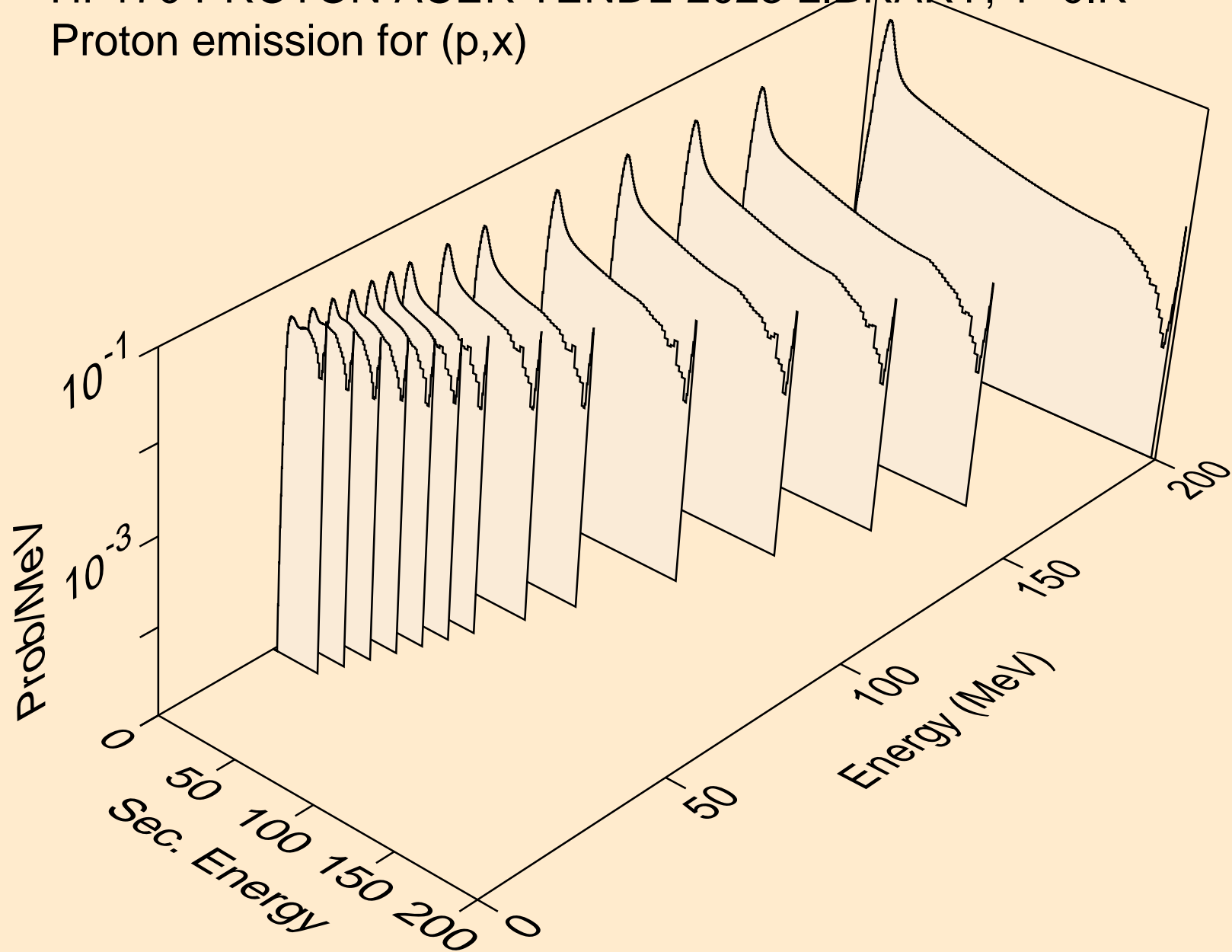




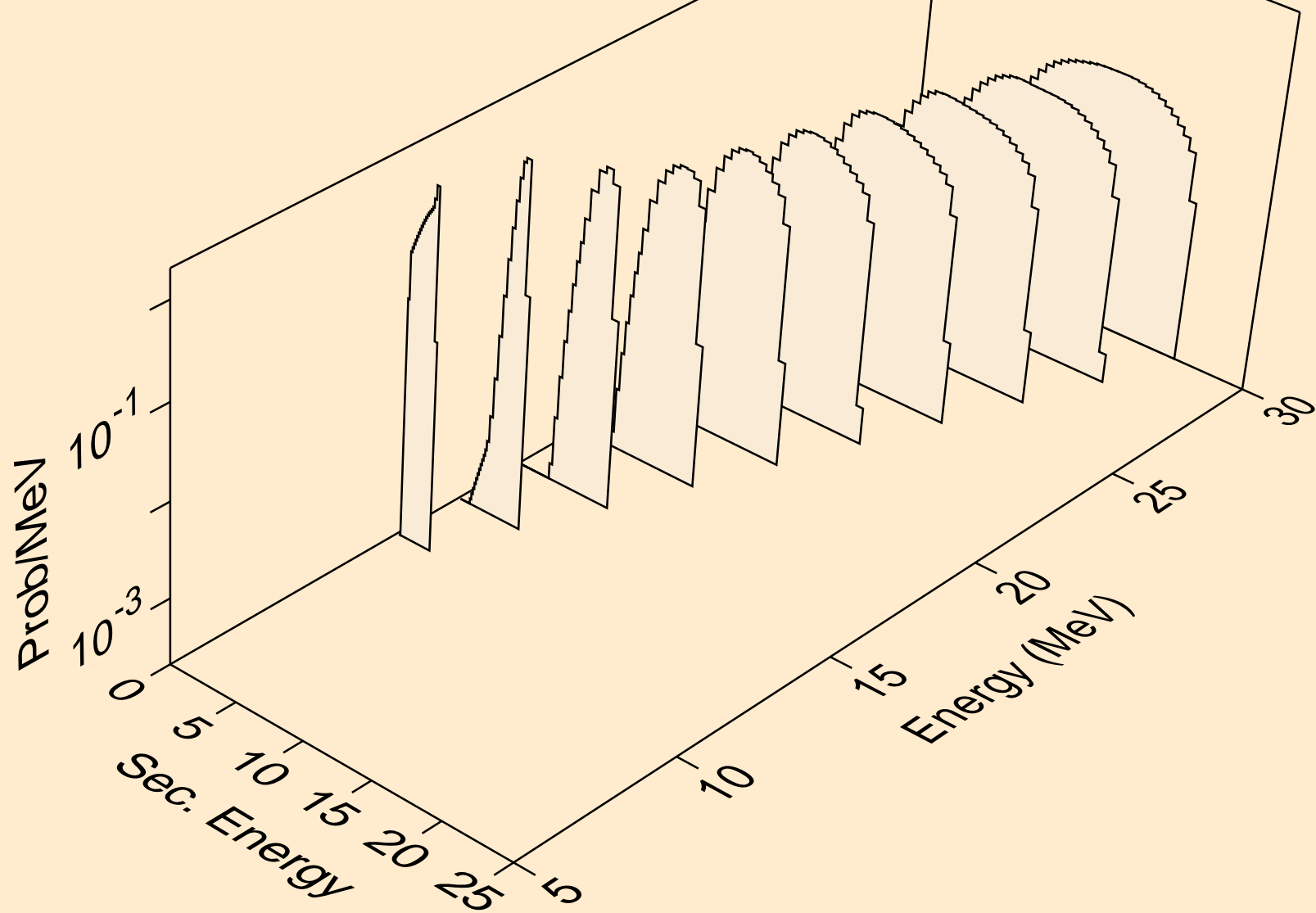
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



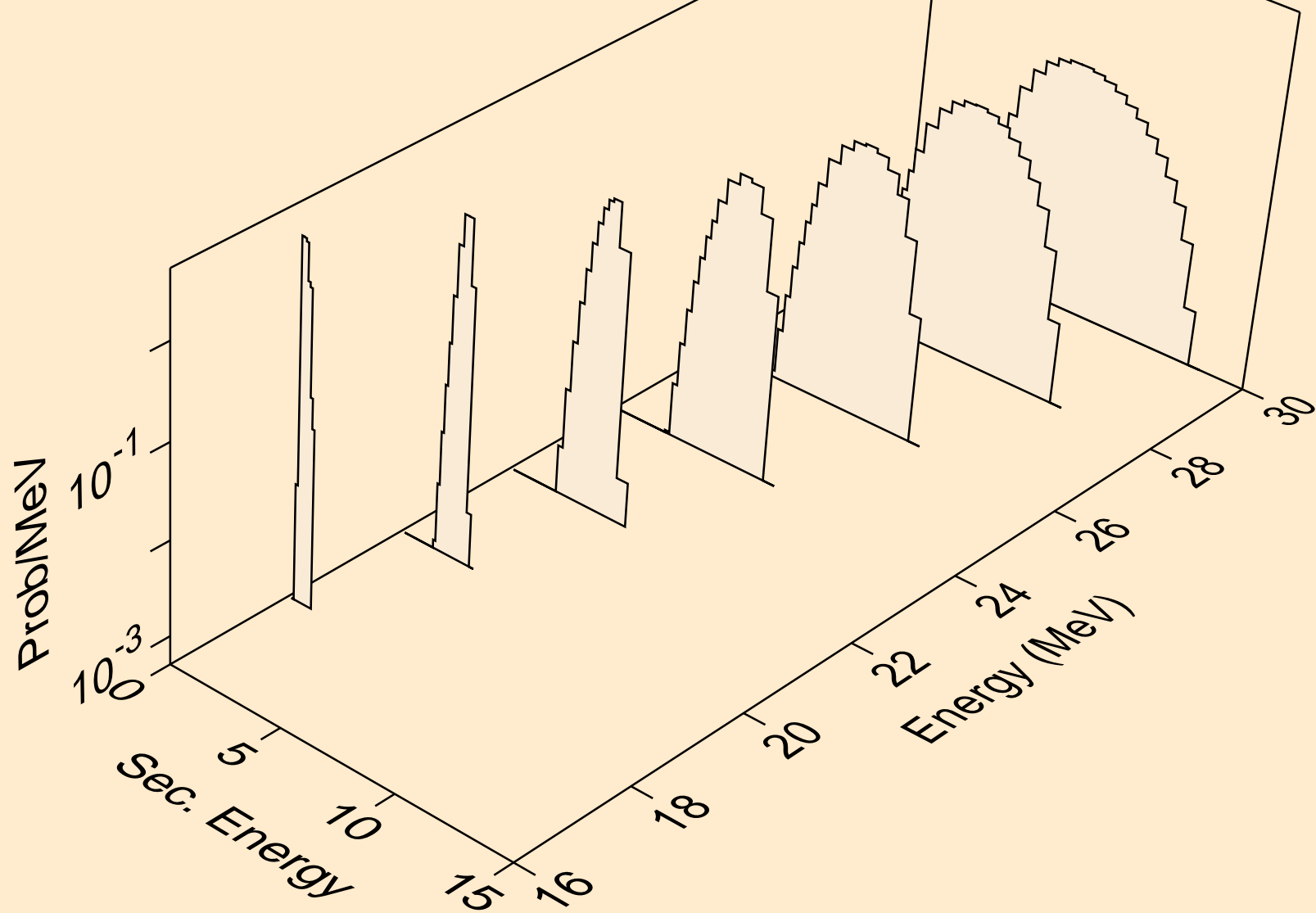
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



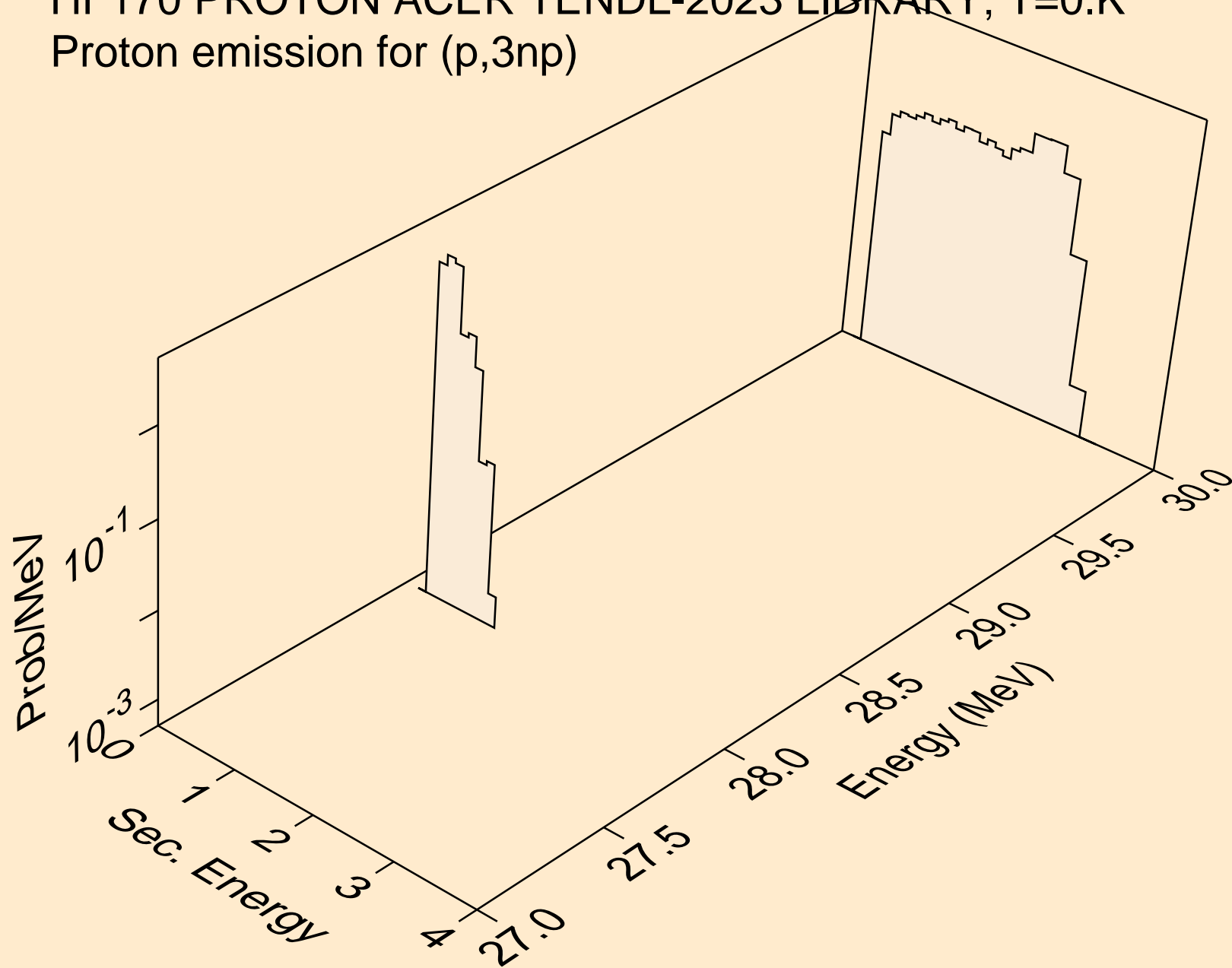
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



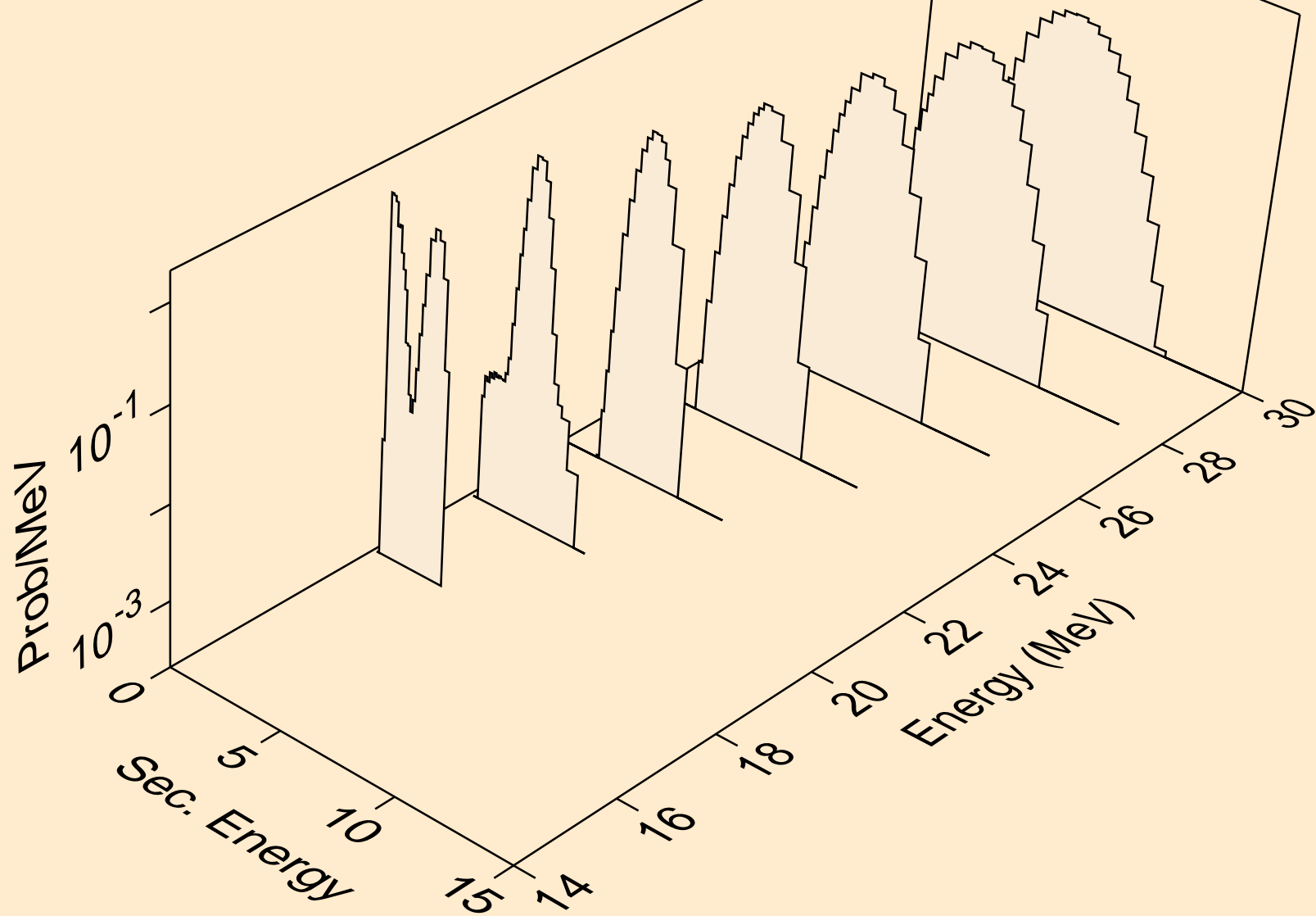
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



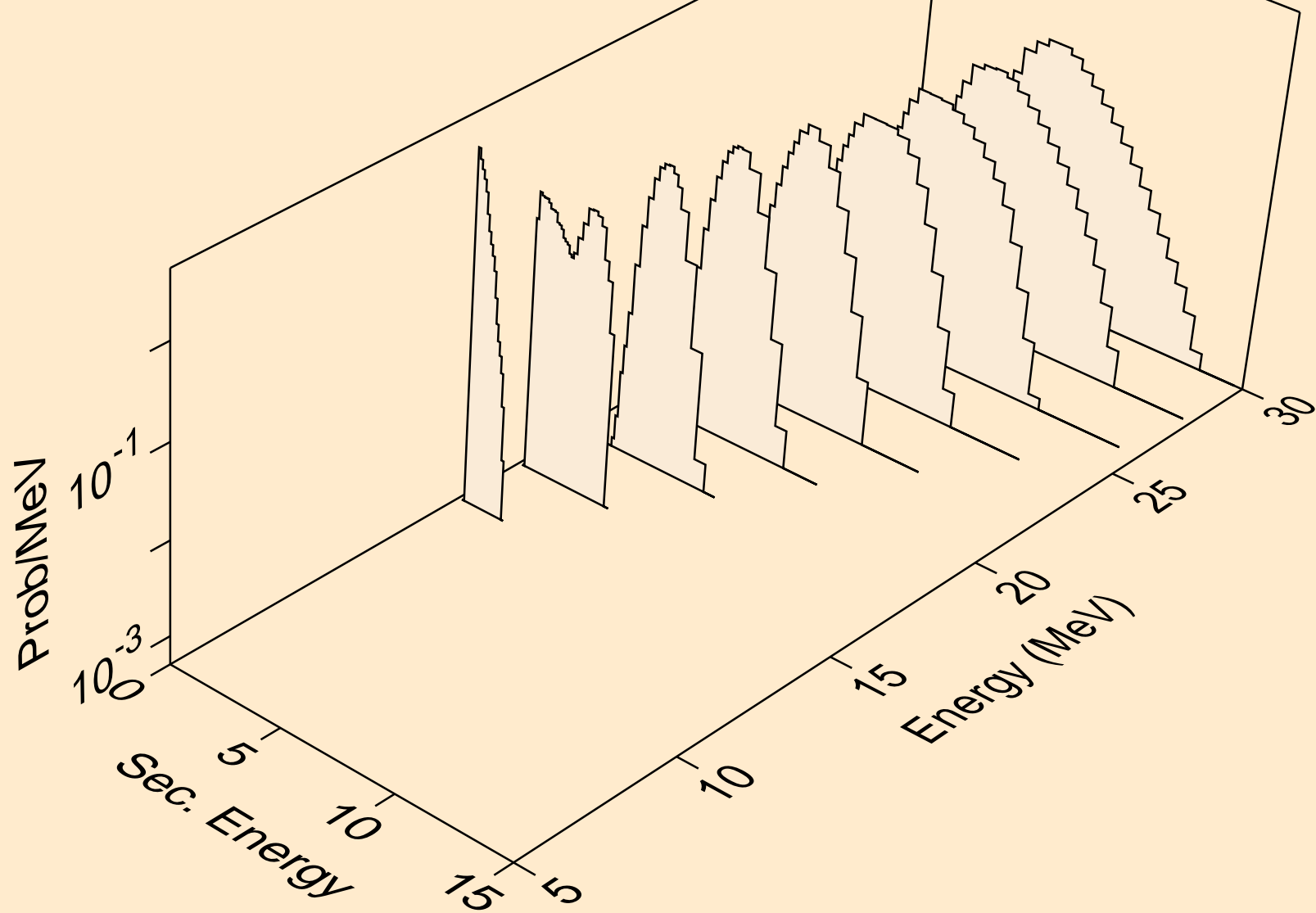
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,3np)



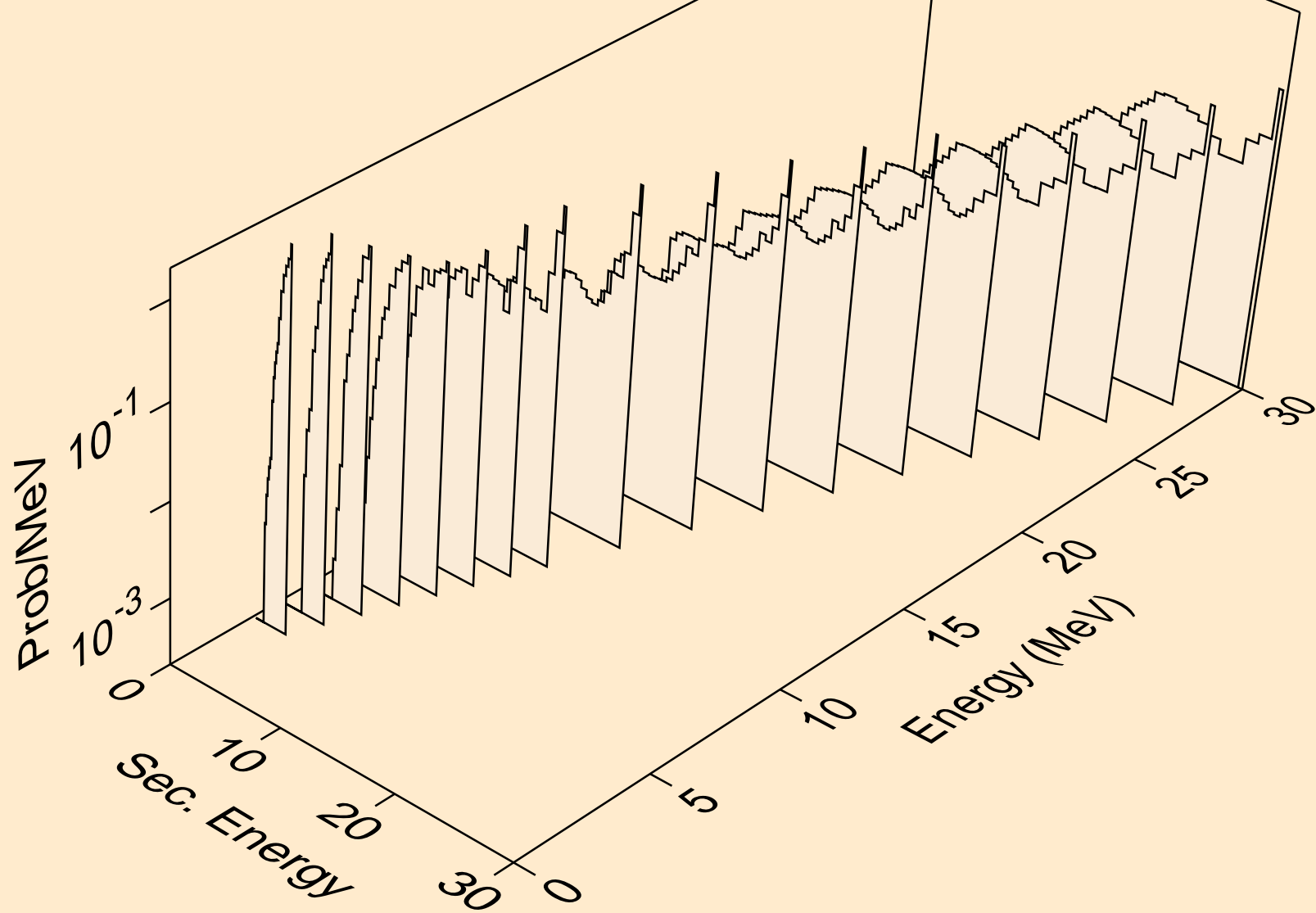
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)



HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,npa)

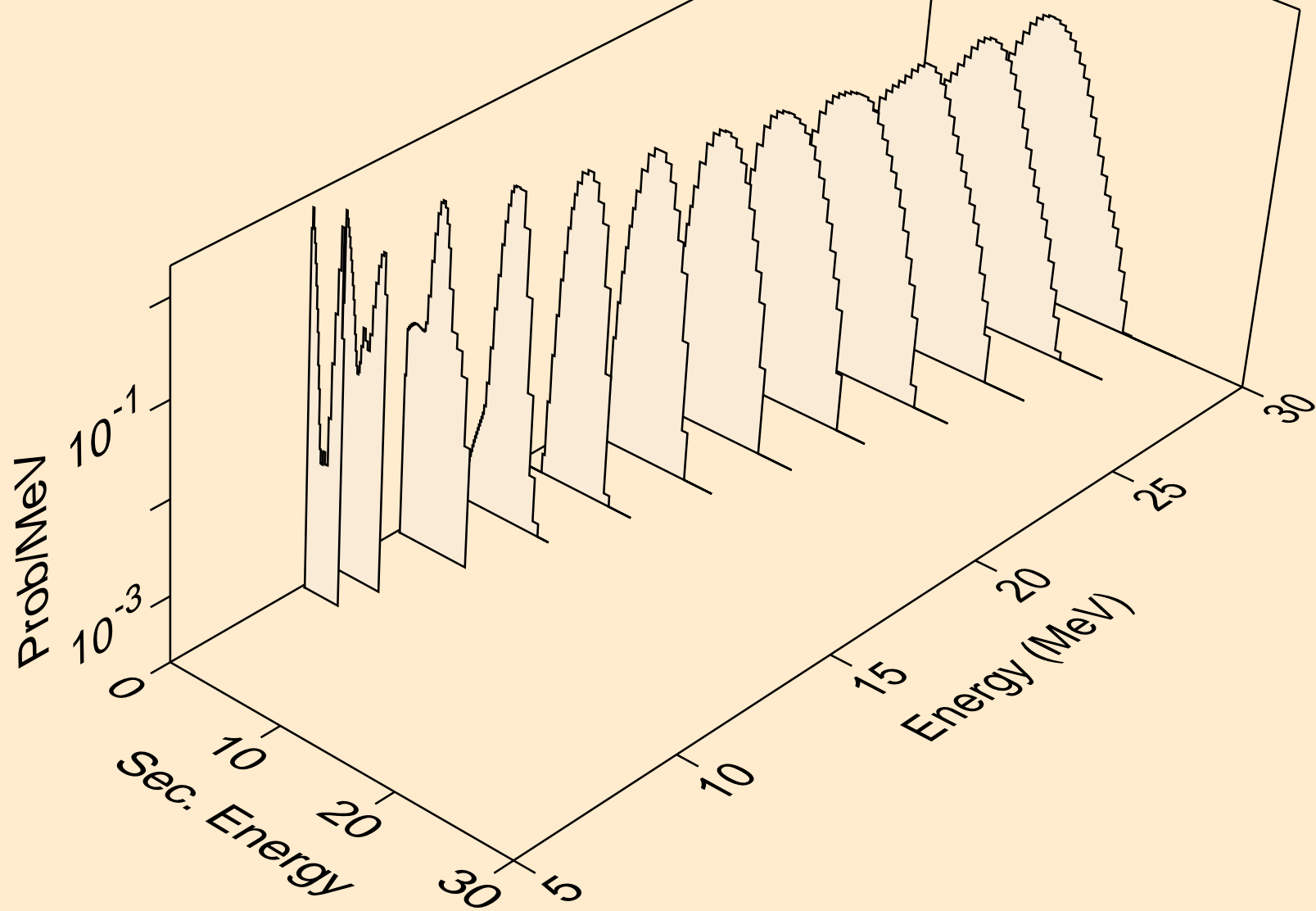


HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

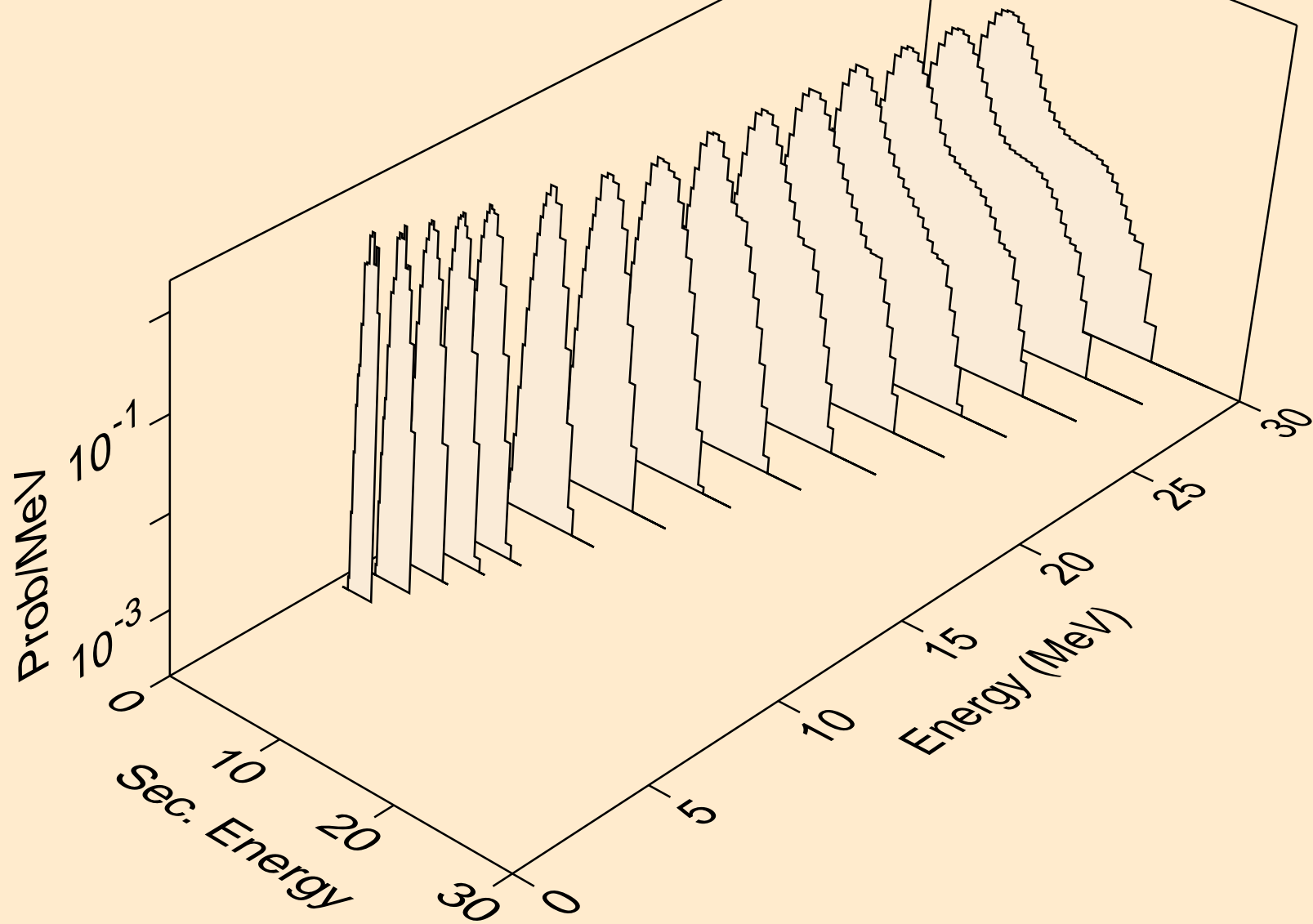




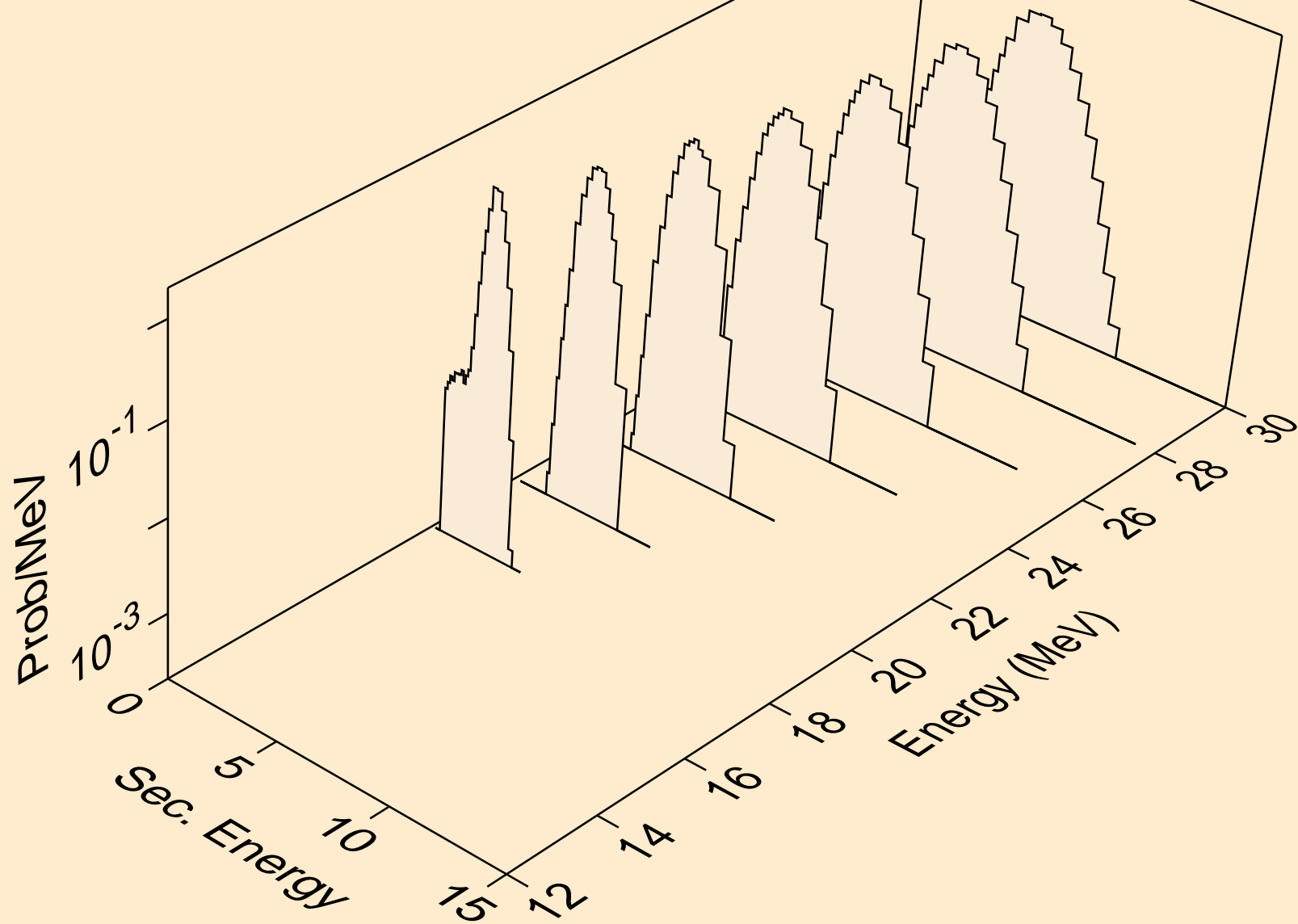
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2p)



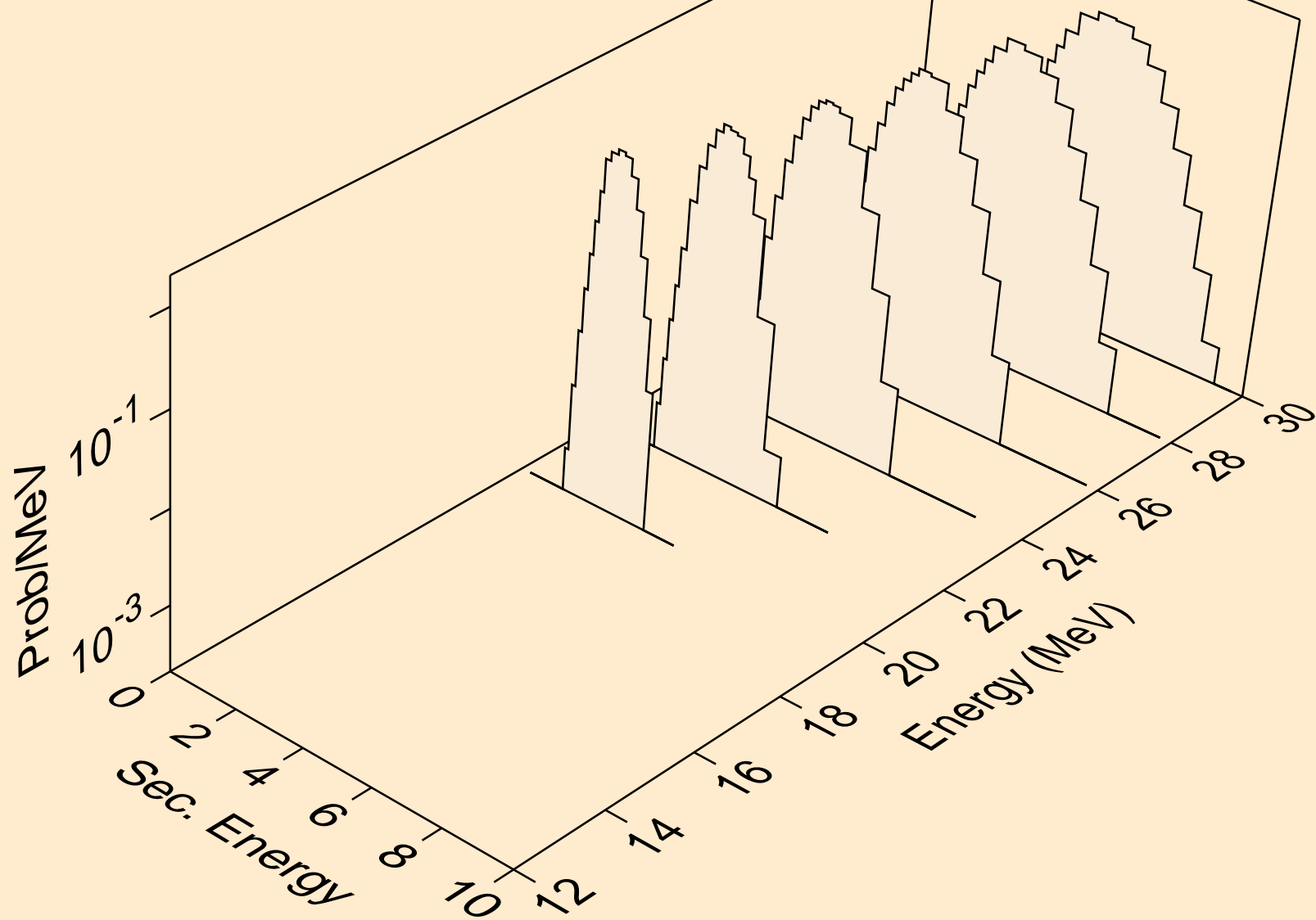
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pa)



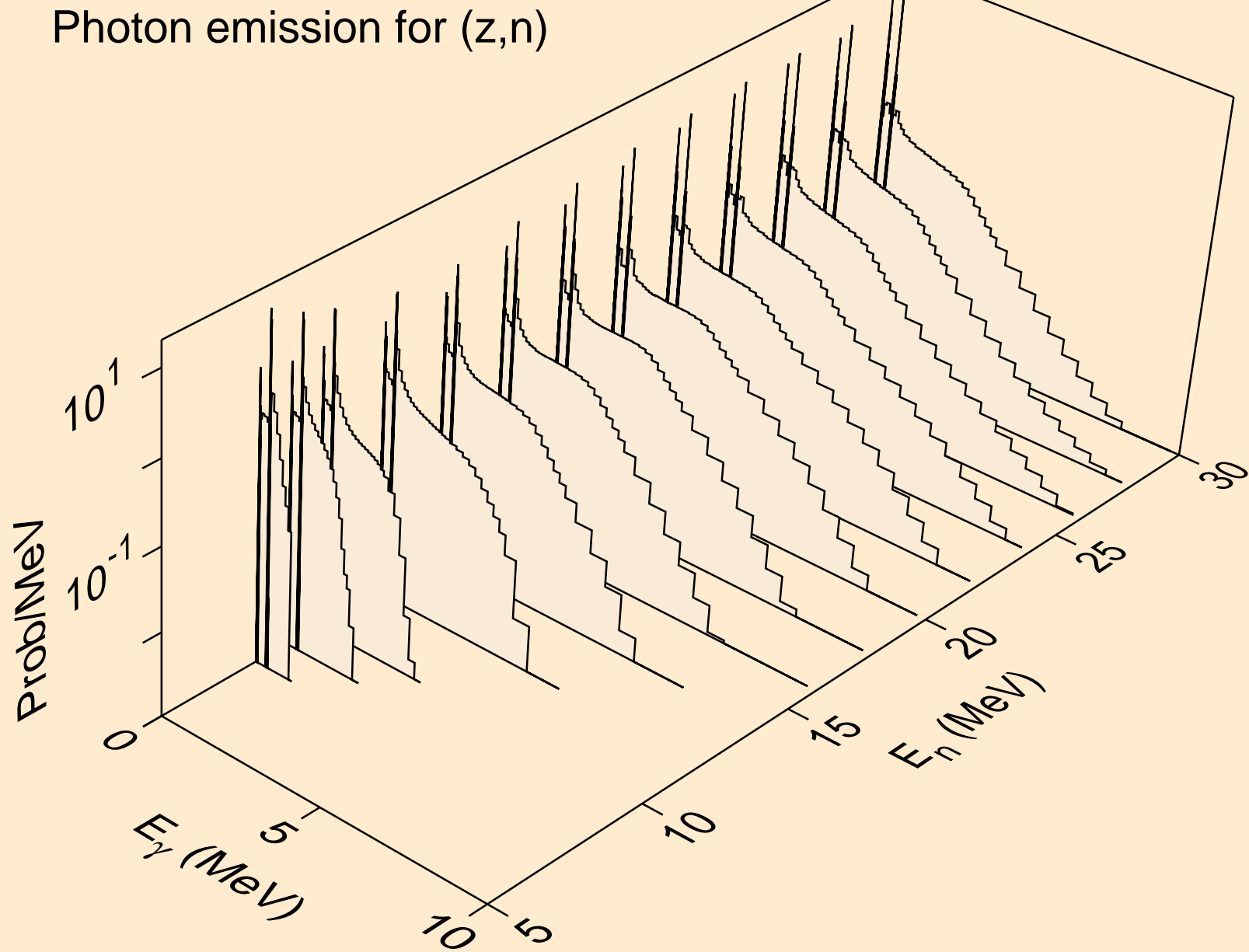
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pd)



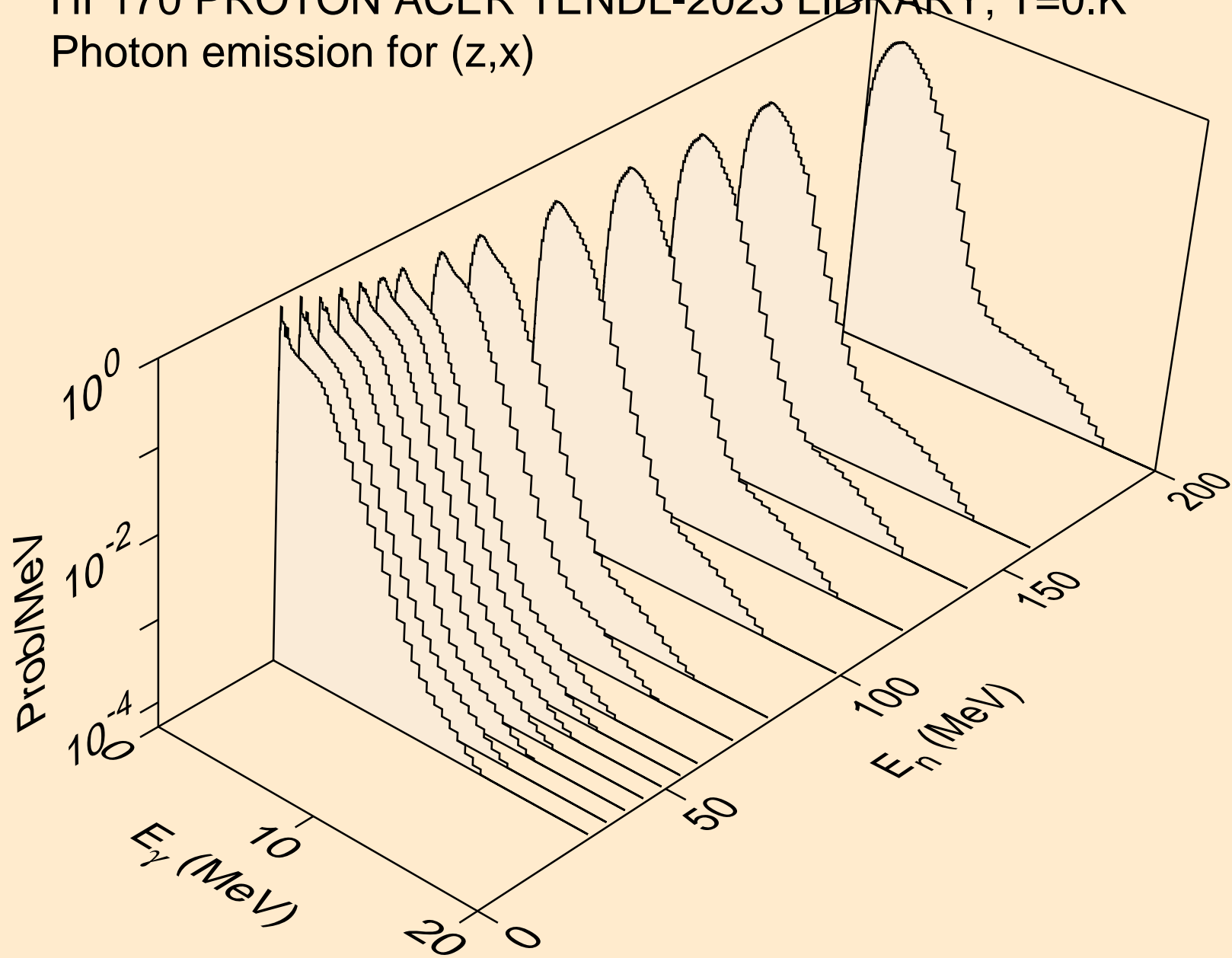
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pt)



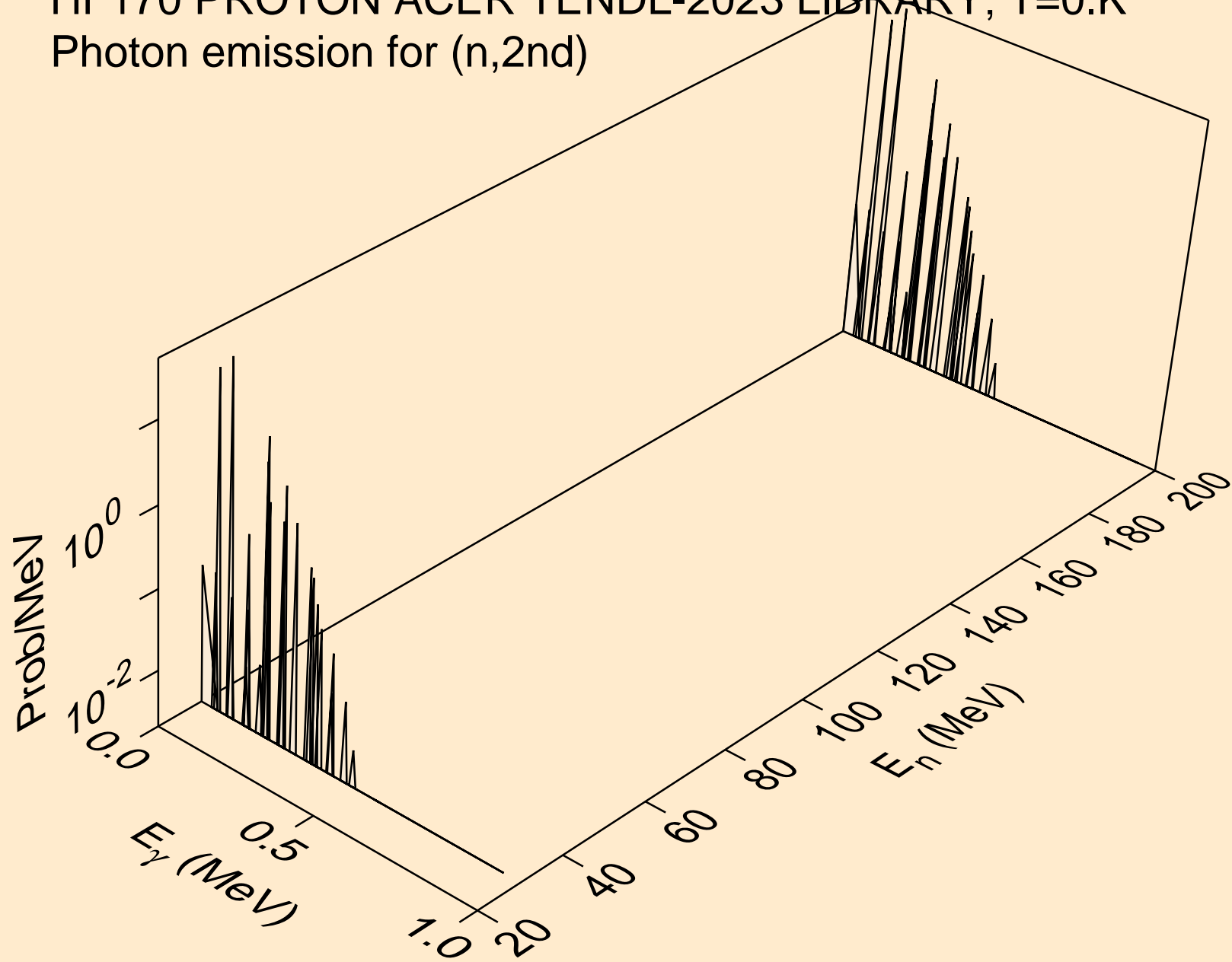
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



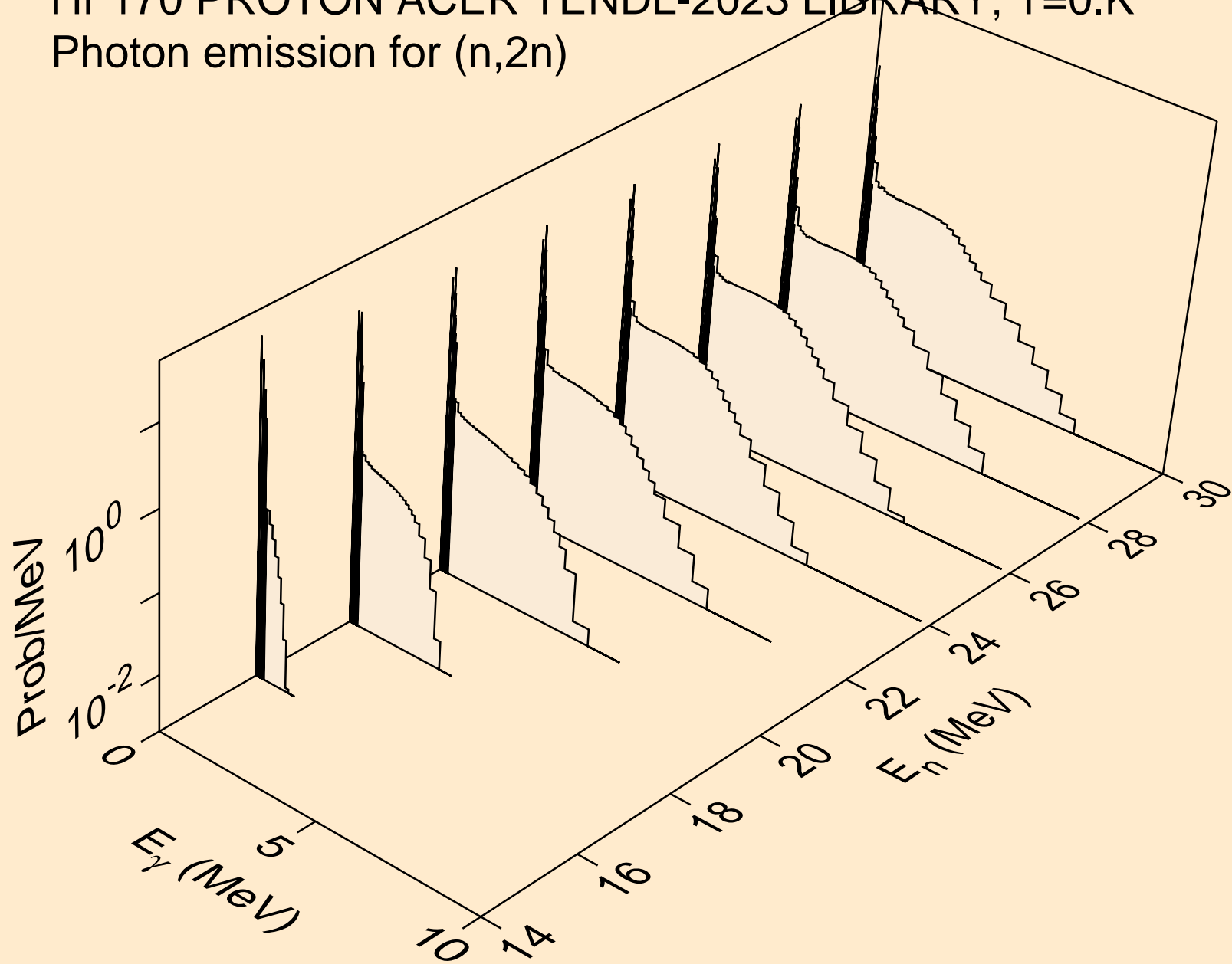
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)

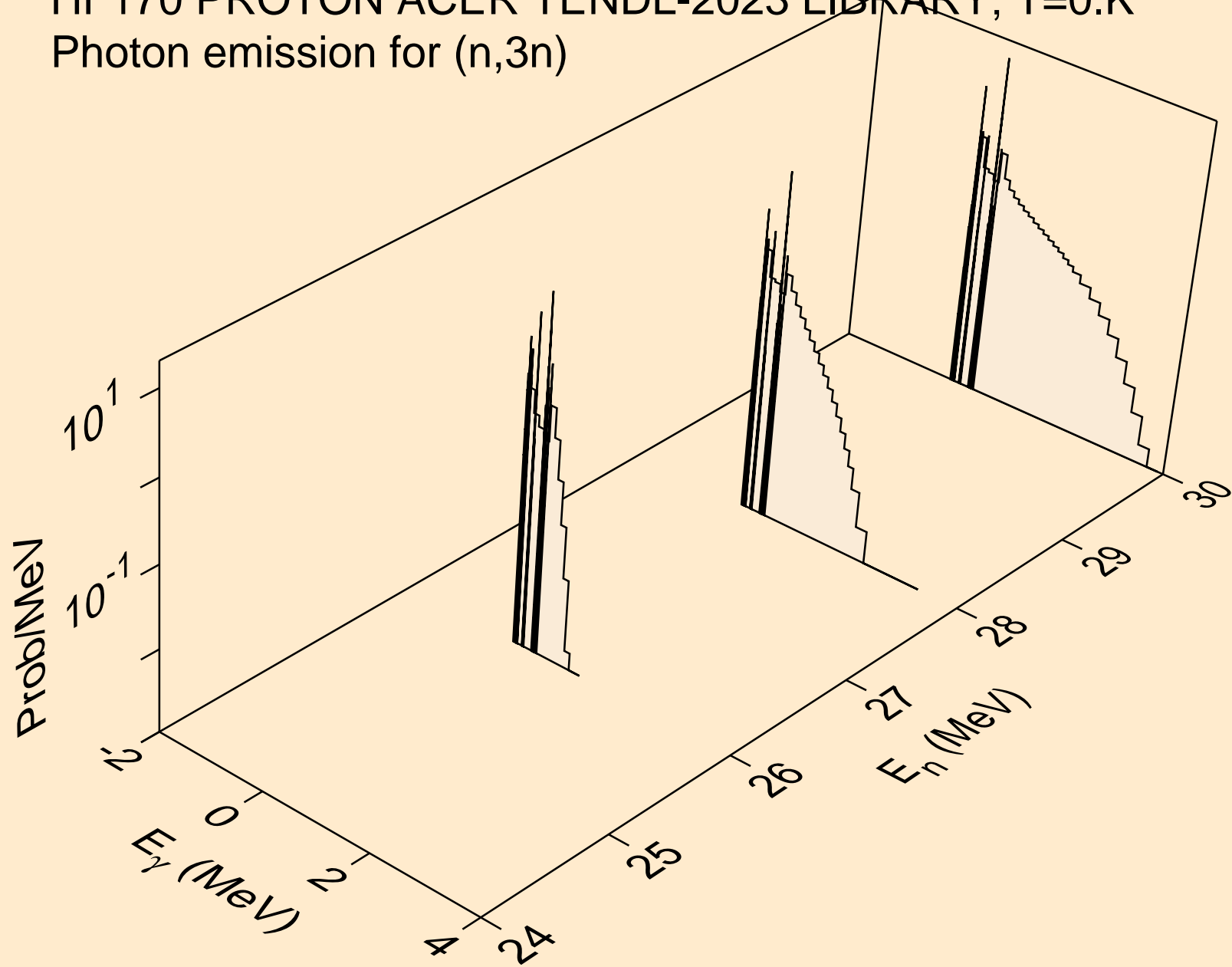


HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

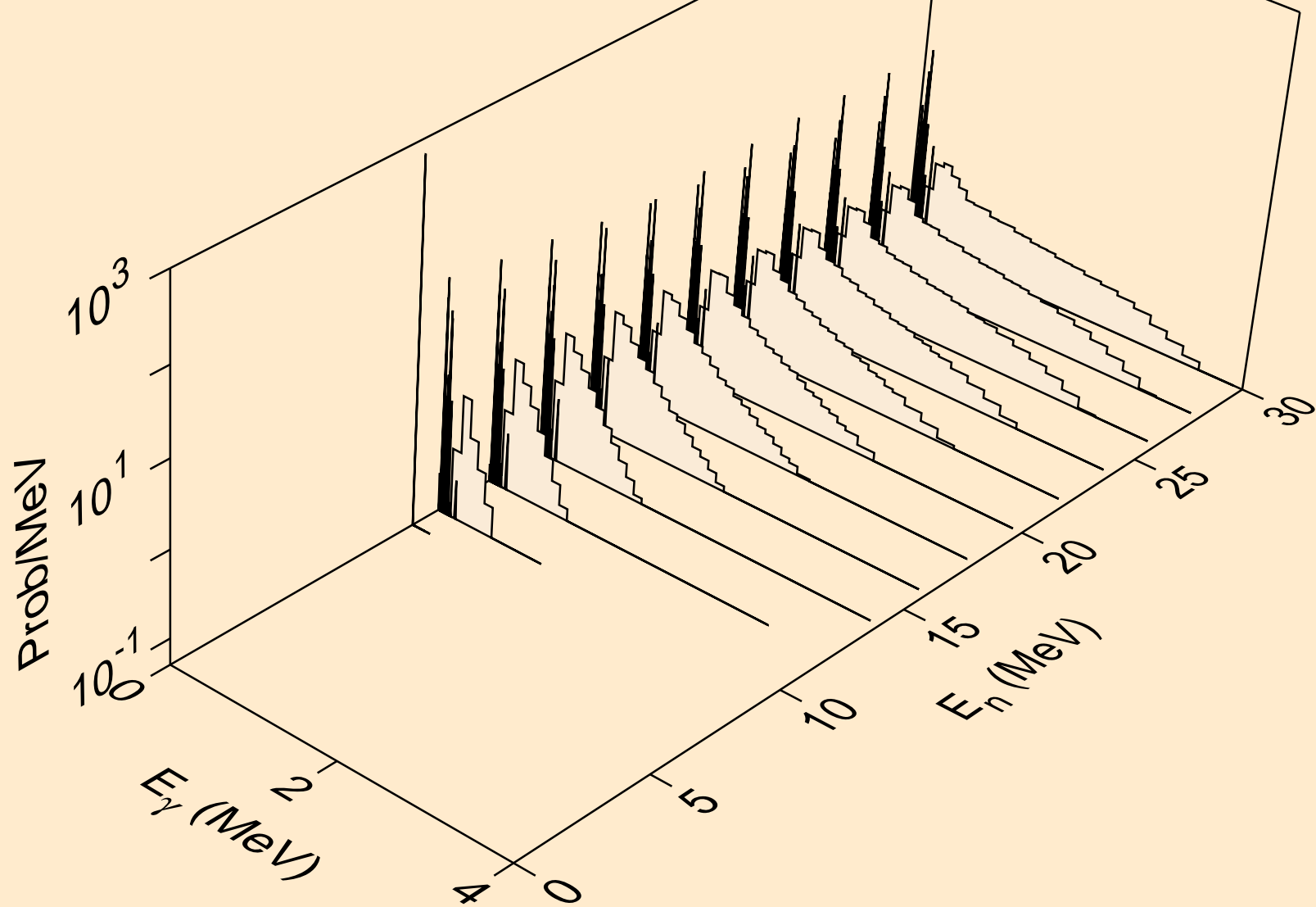




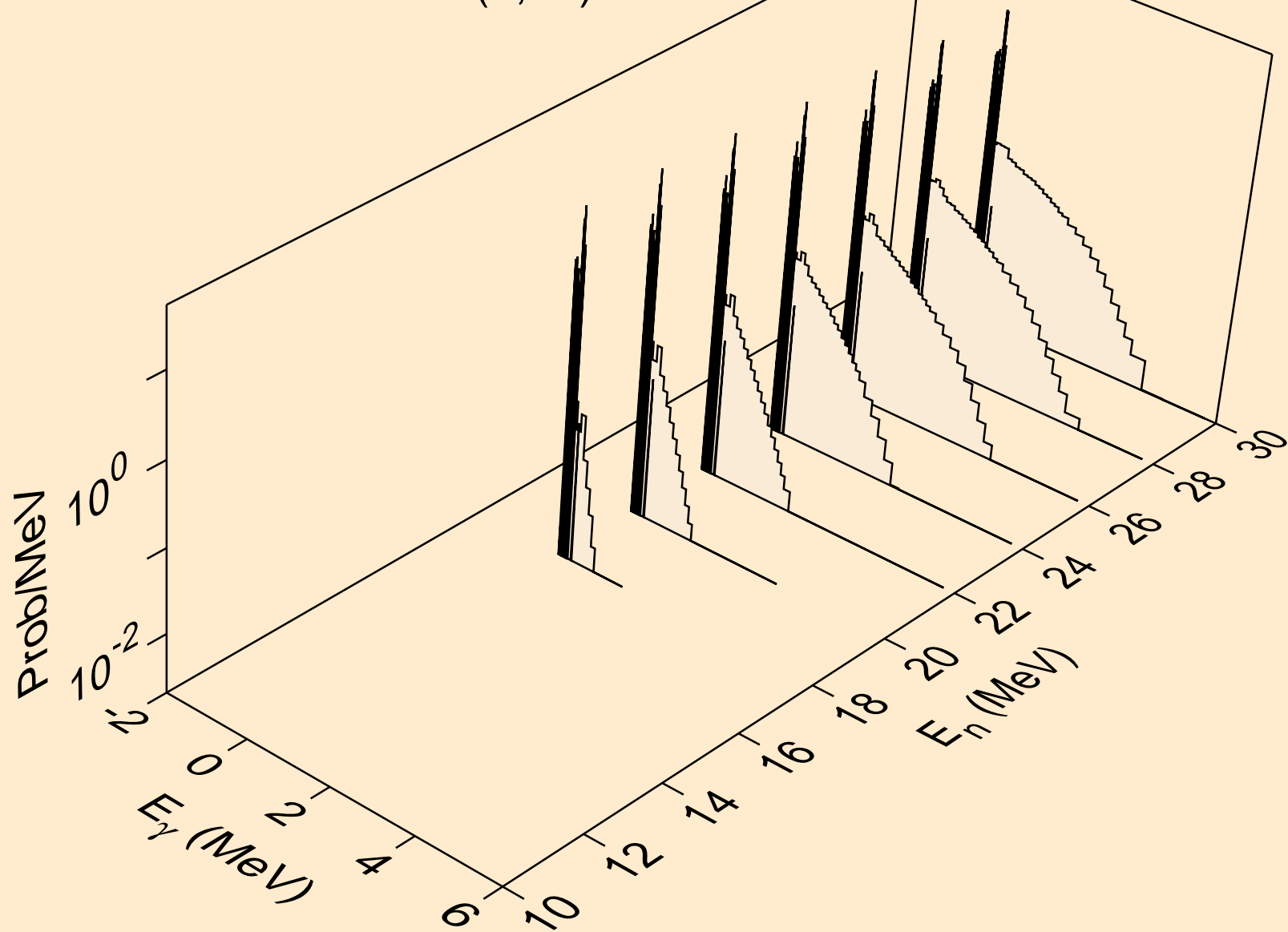
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



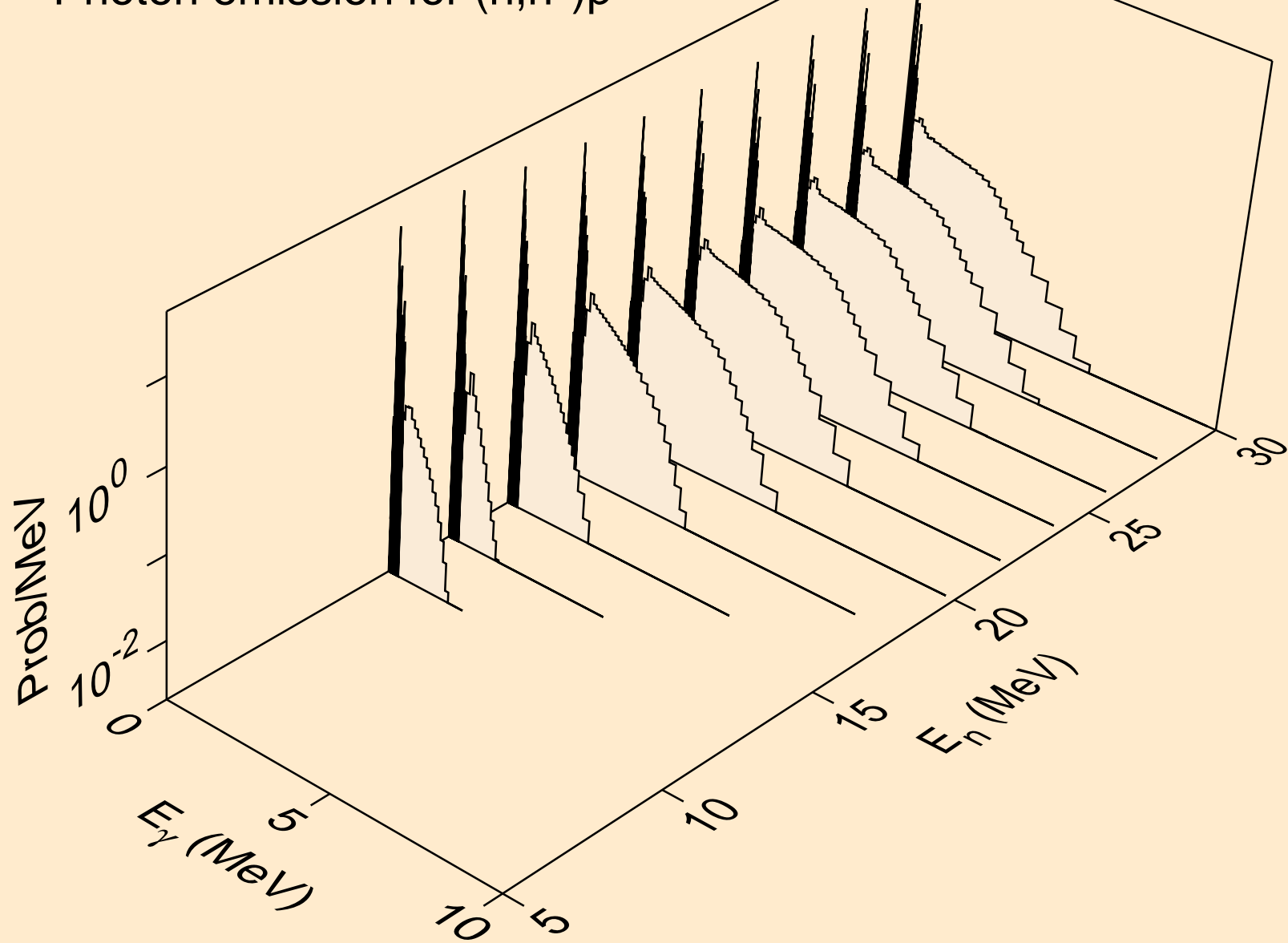
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



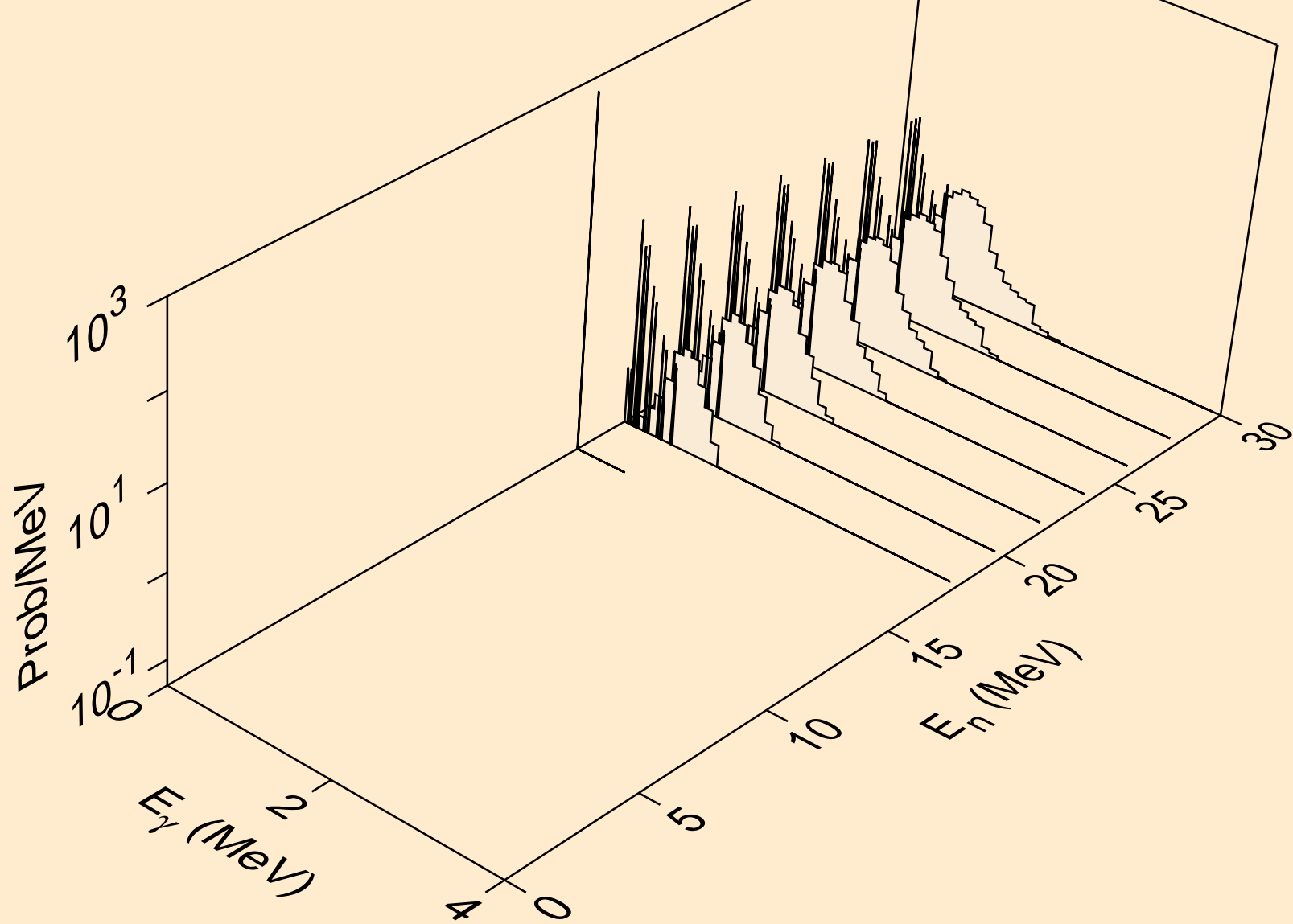
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Photon emission for (n,2n)a



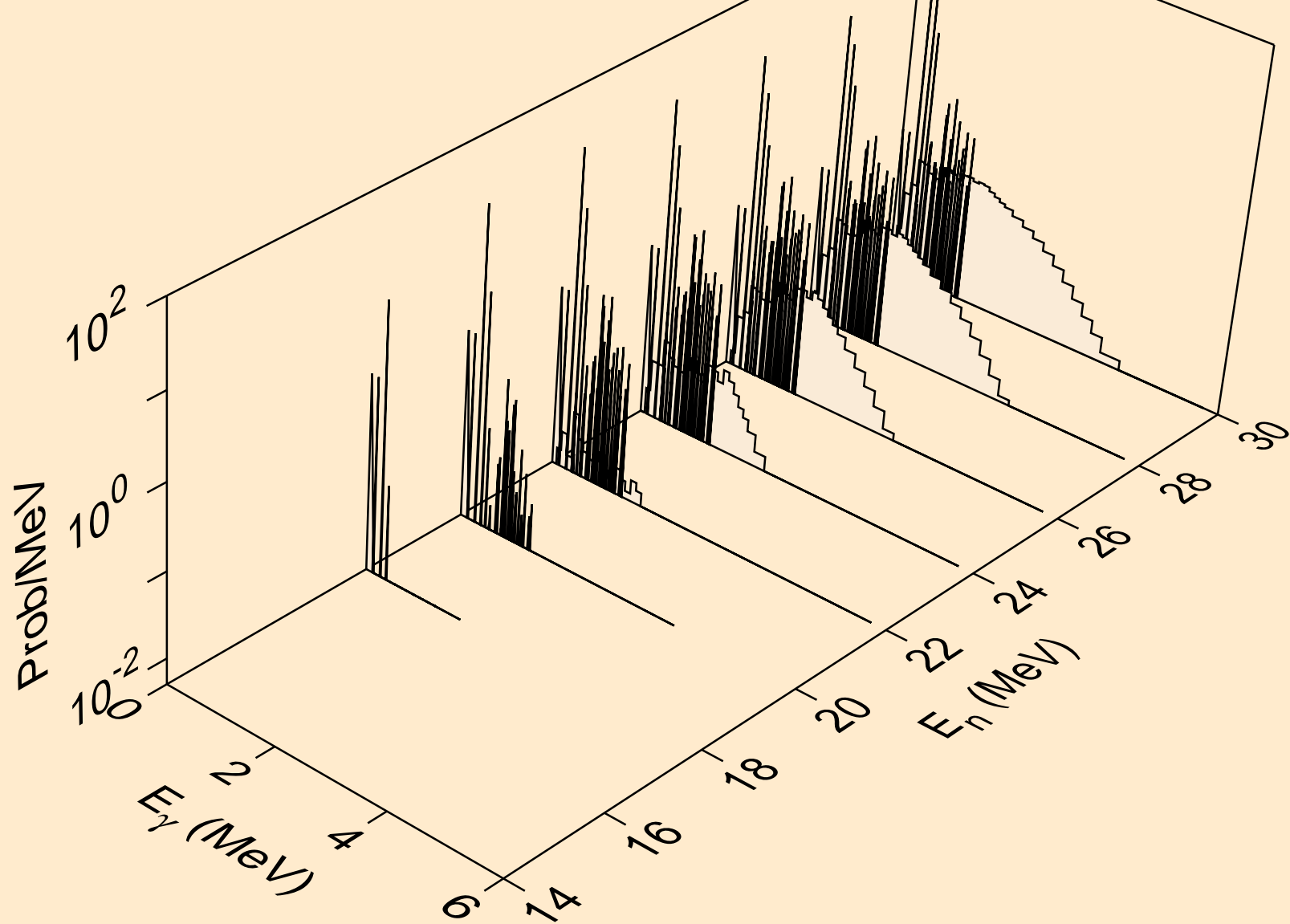
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Photon emission for (n,n\*)p



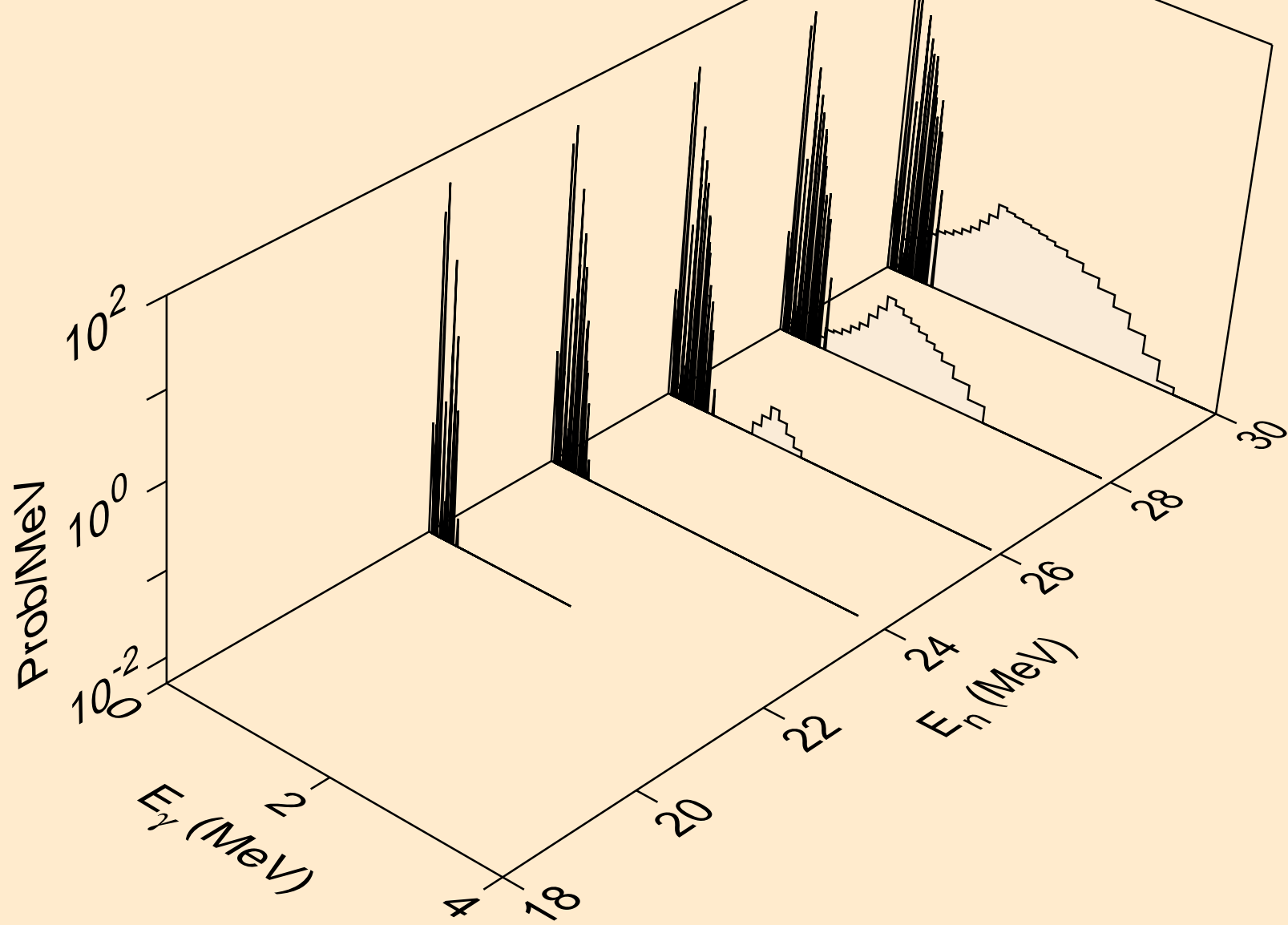
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Photon emission for (n,n\*)2a



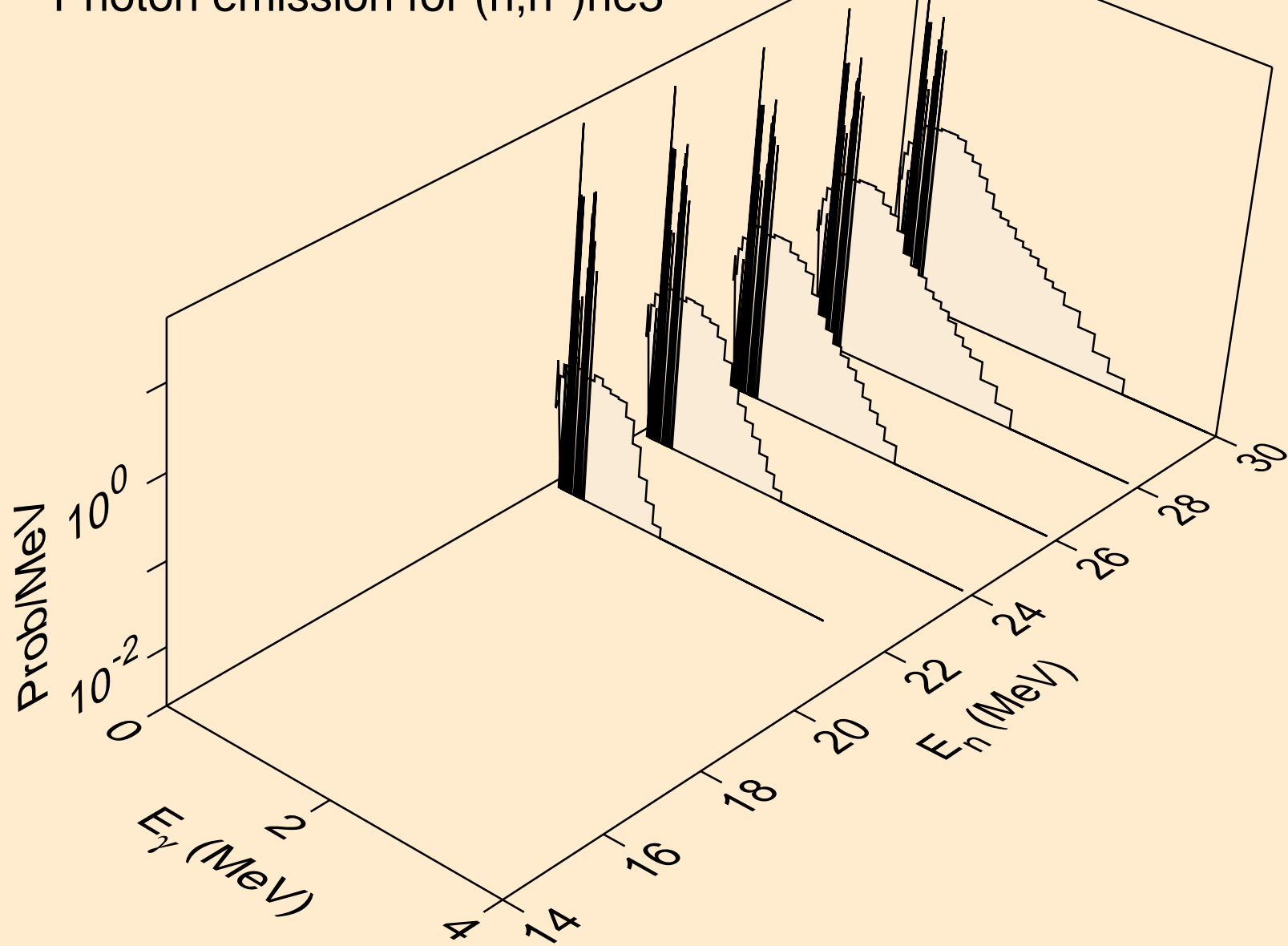
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

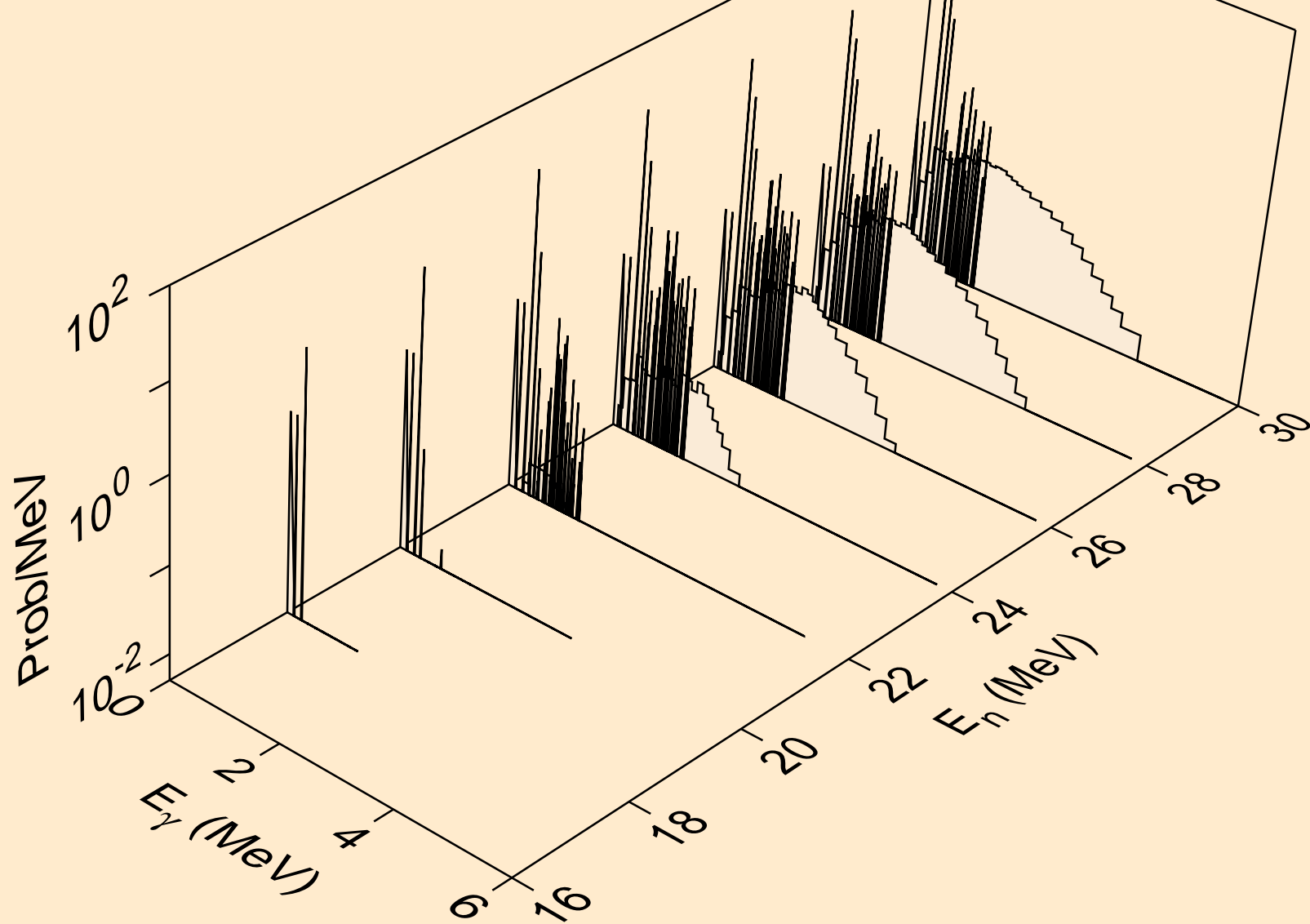


HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

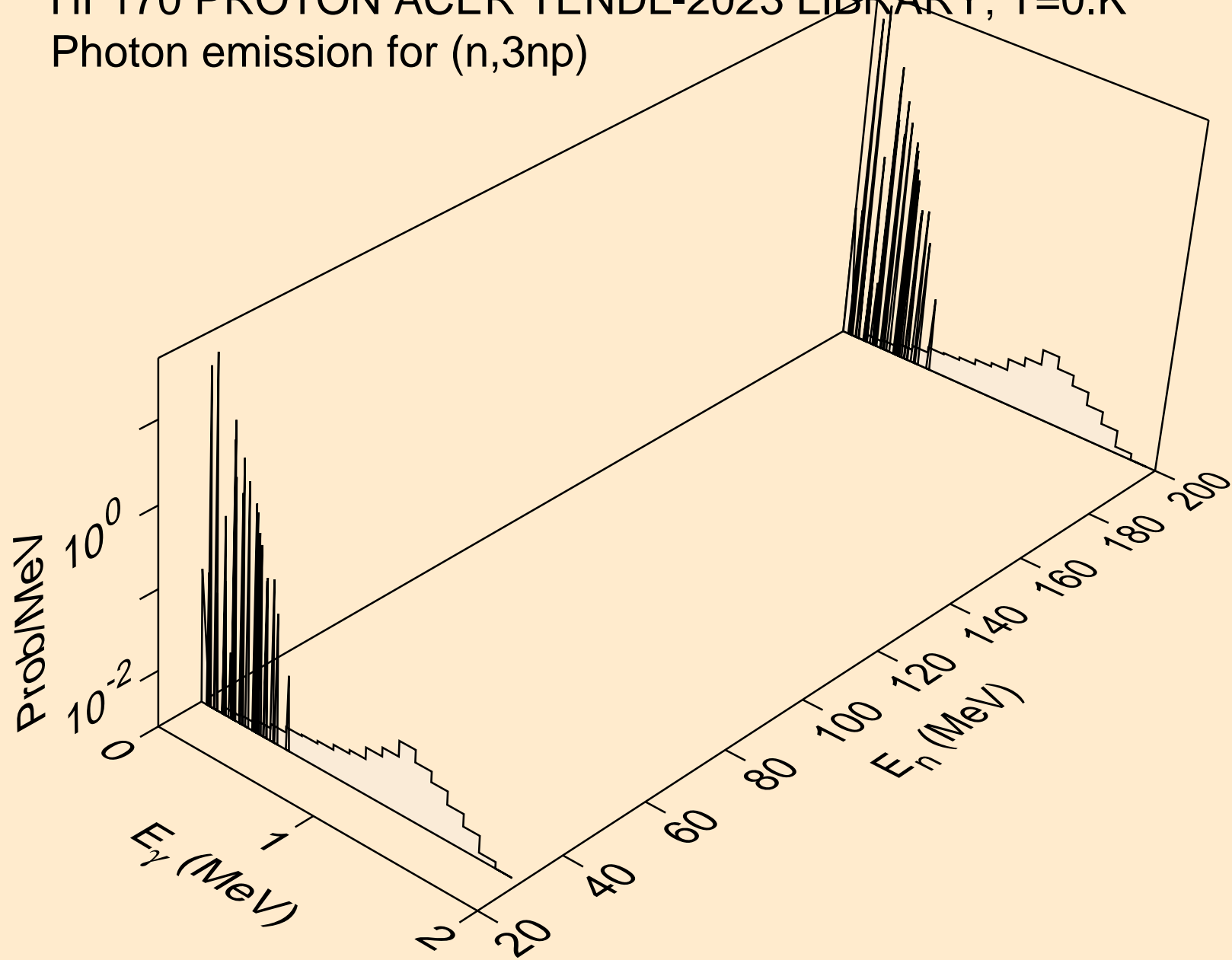




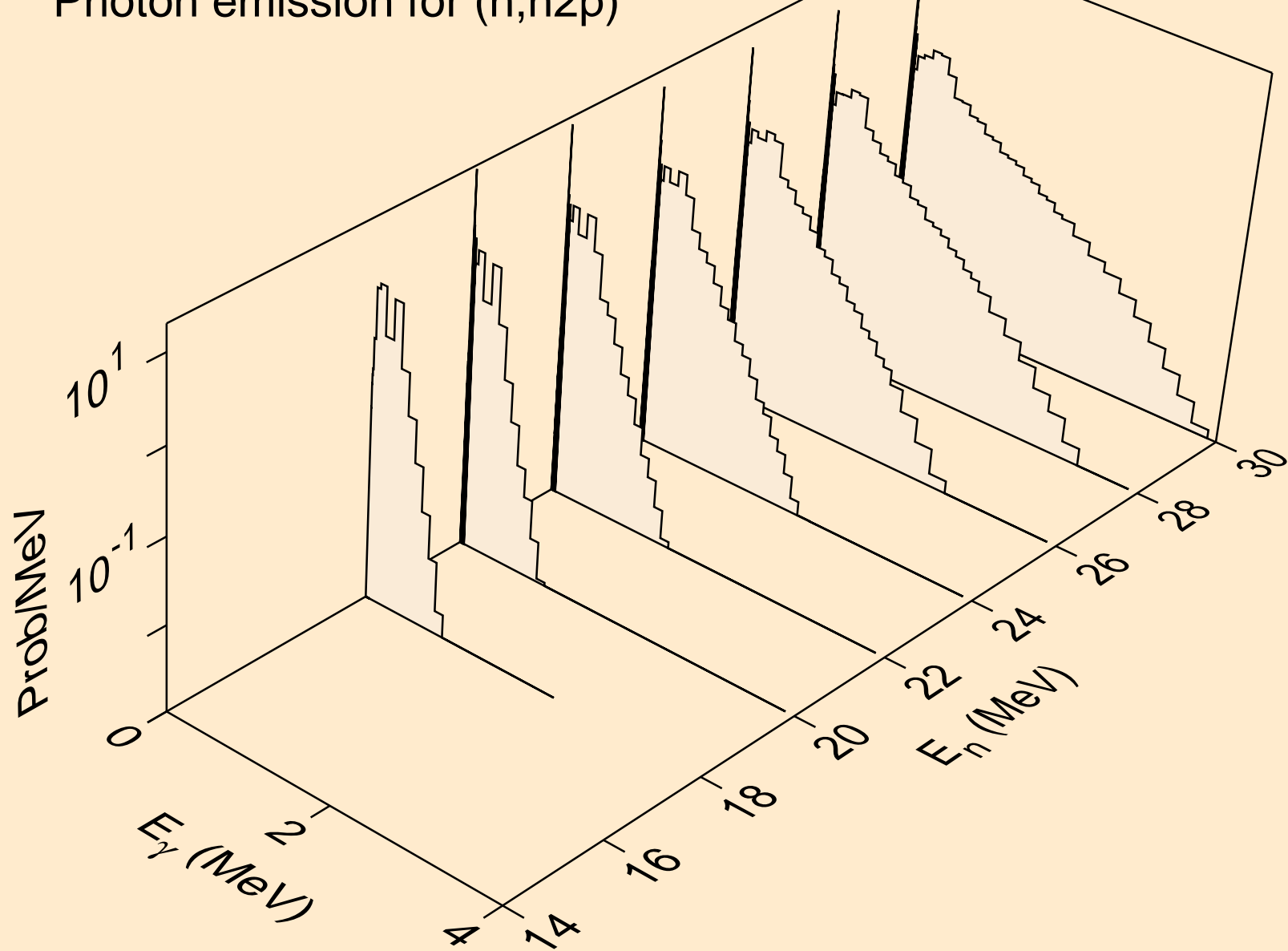
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



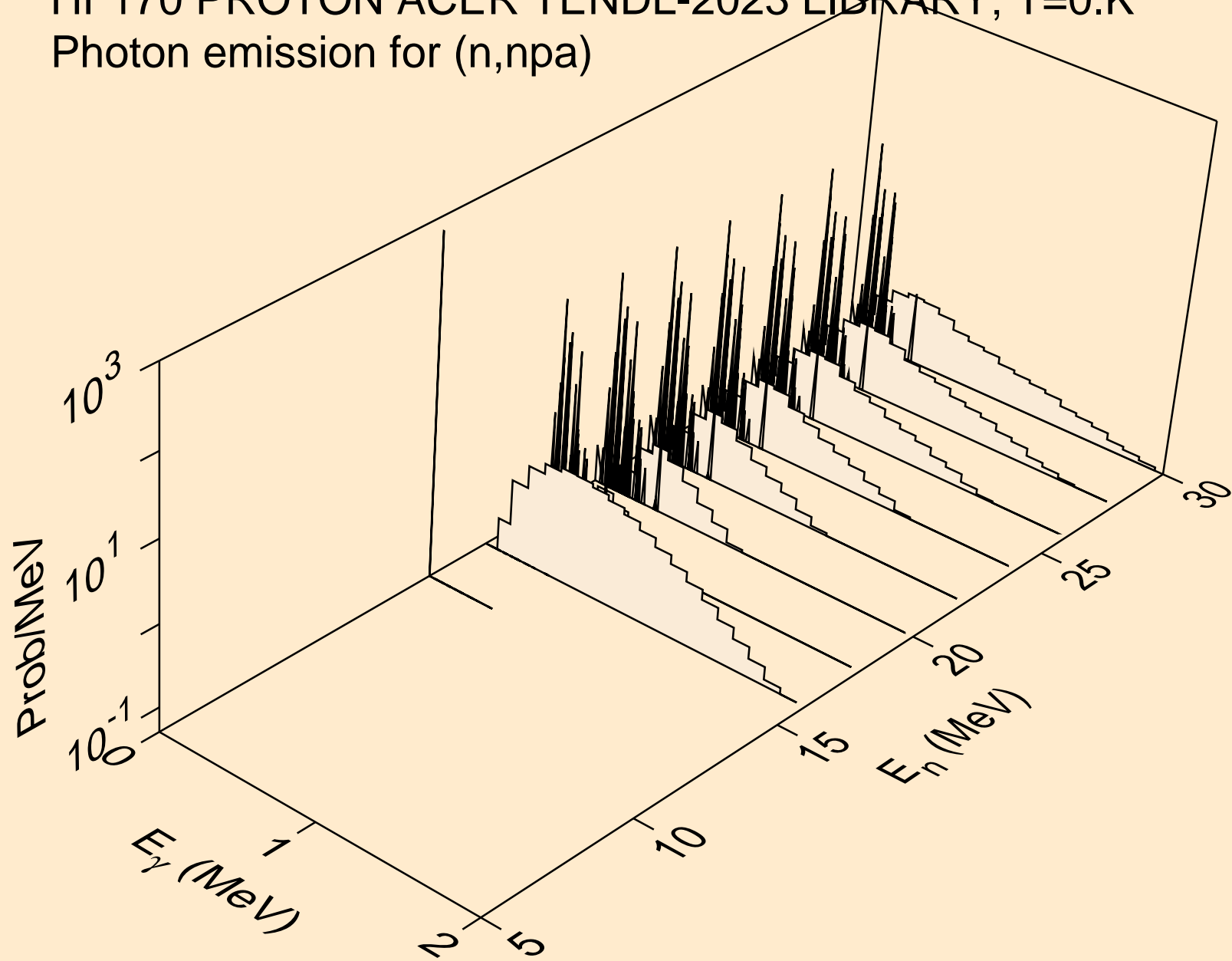
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



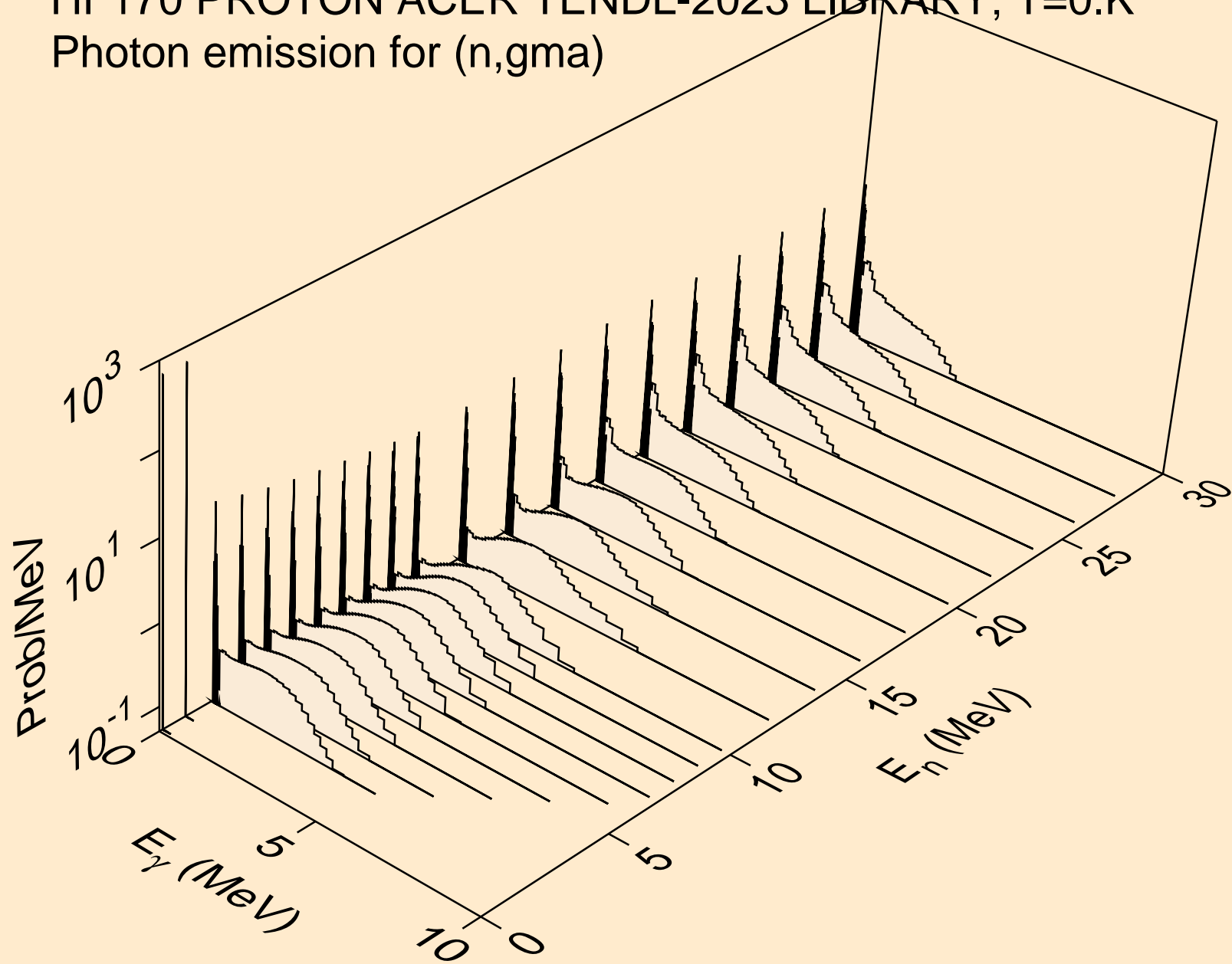
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Photon emission for (n,n2p)



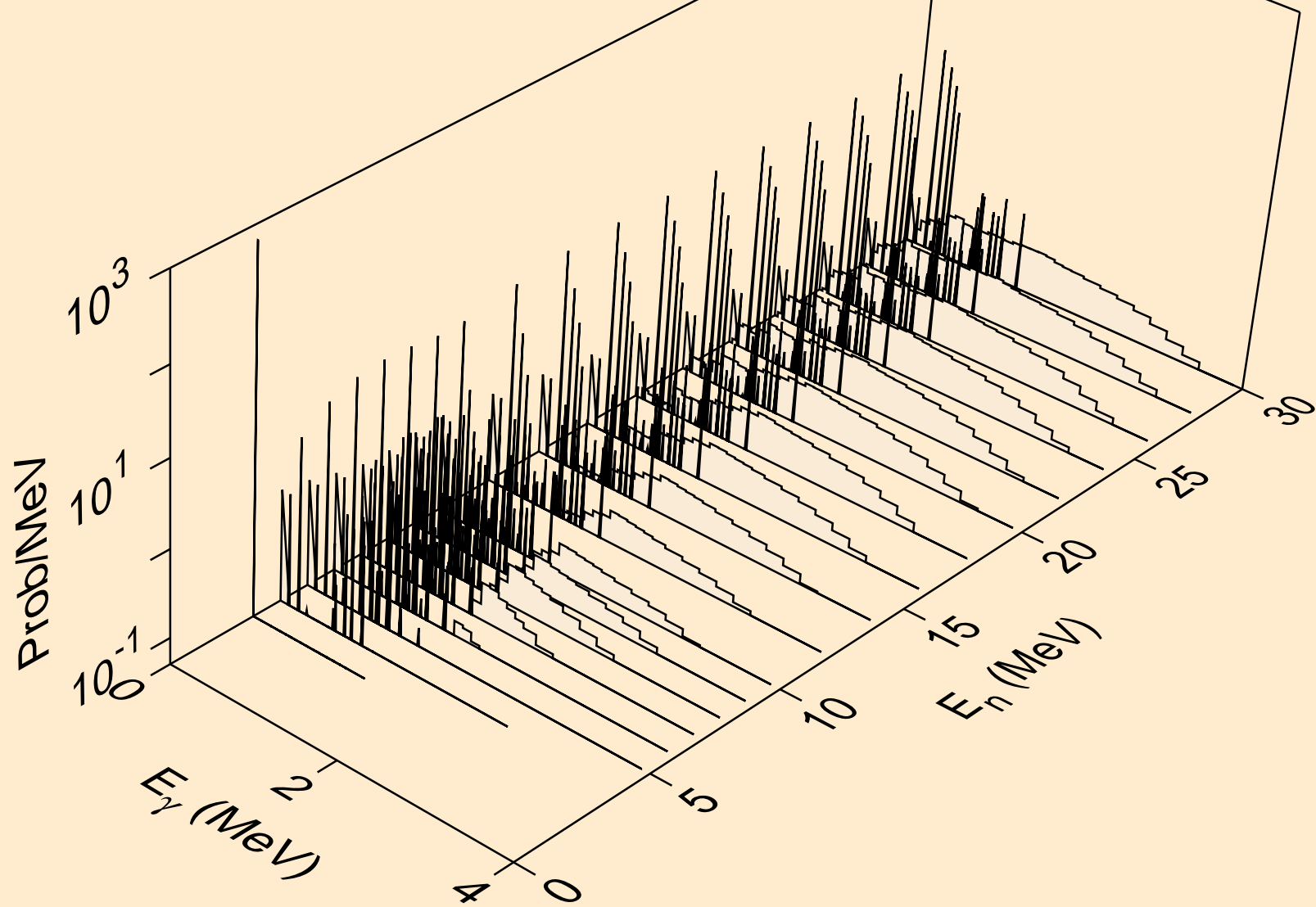
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Photon emission for (n,npa)



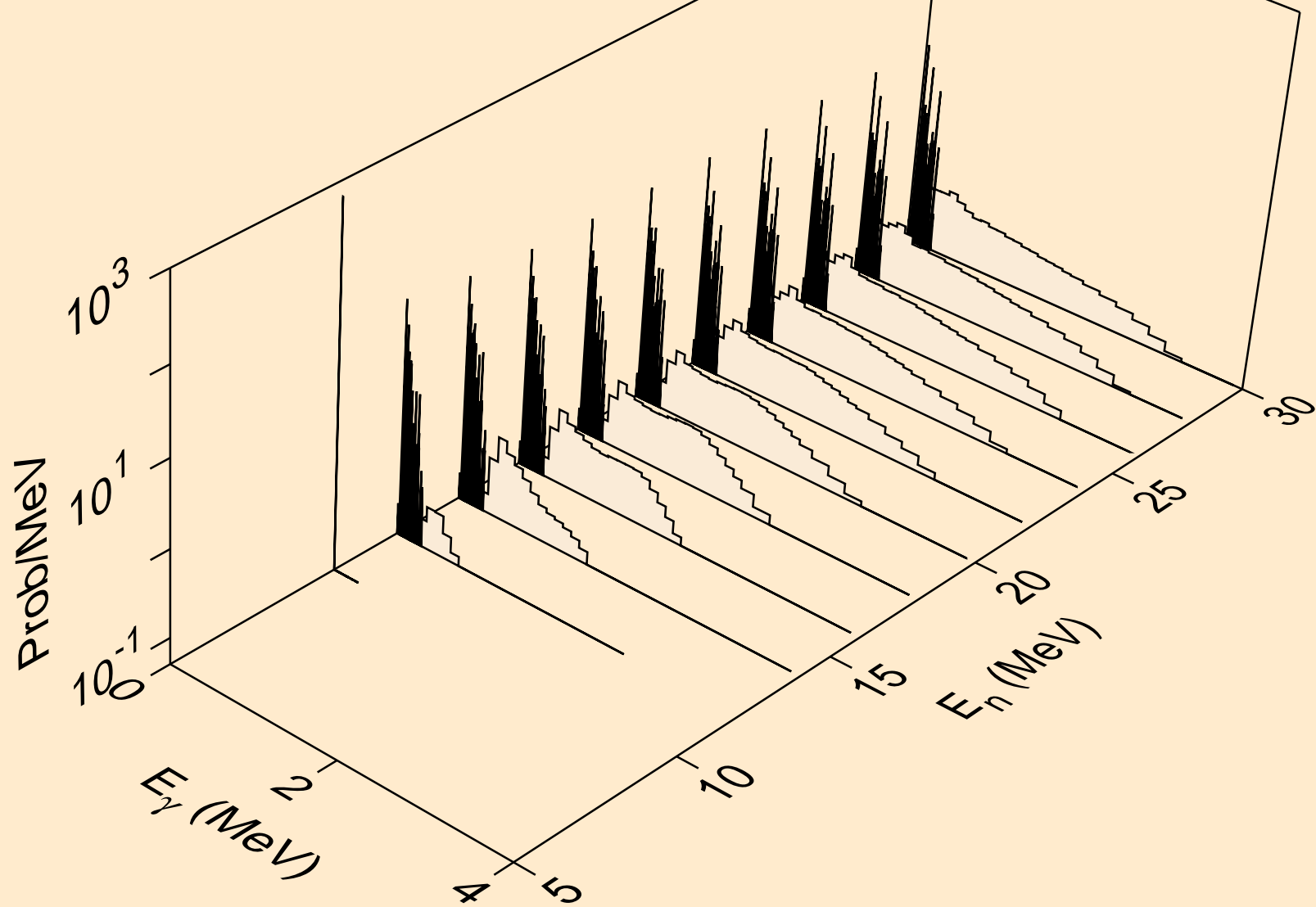
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Photon emission for (n,gma)



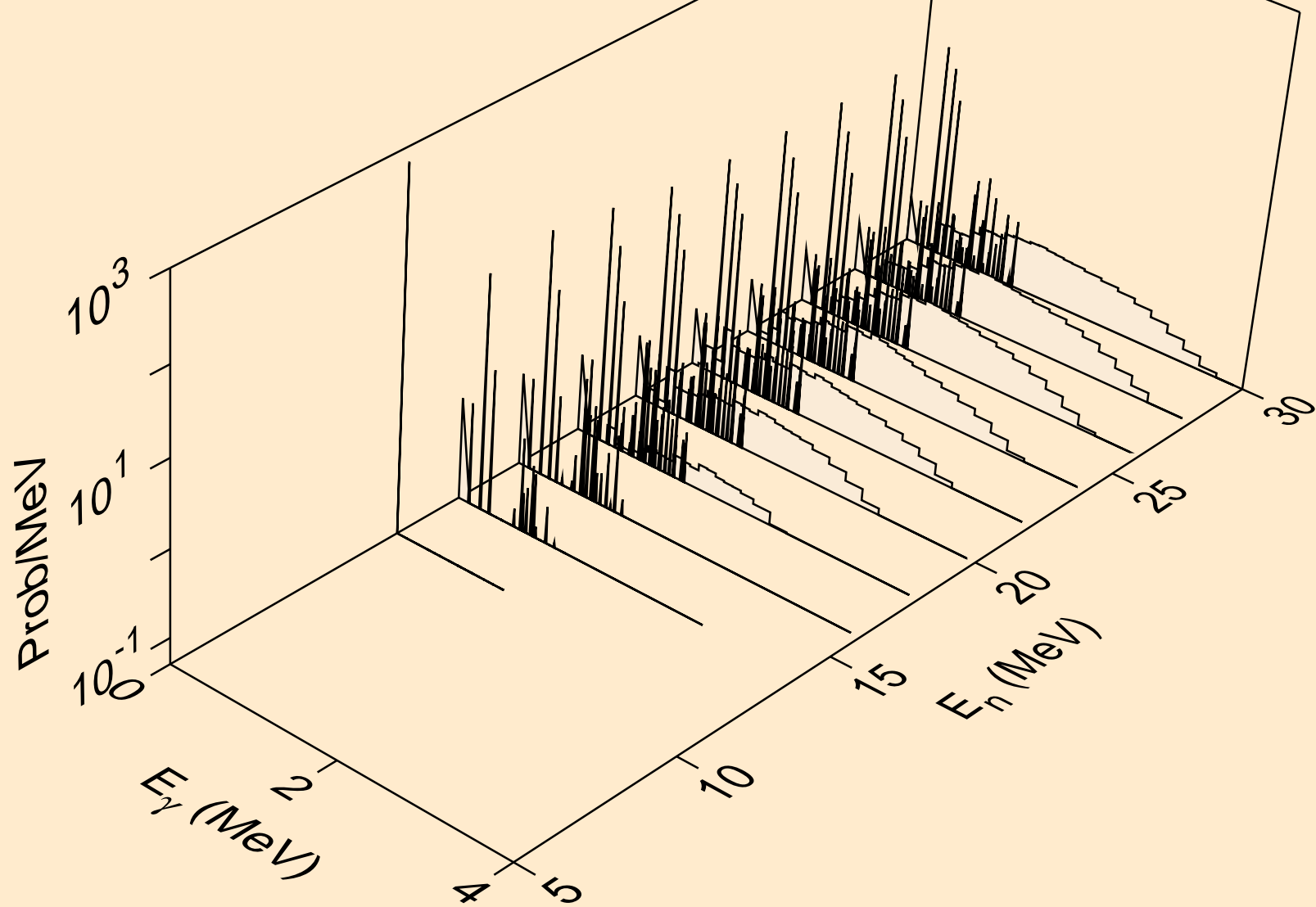
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)

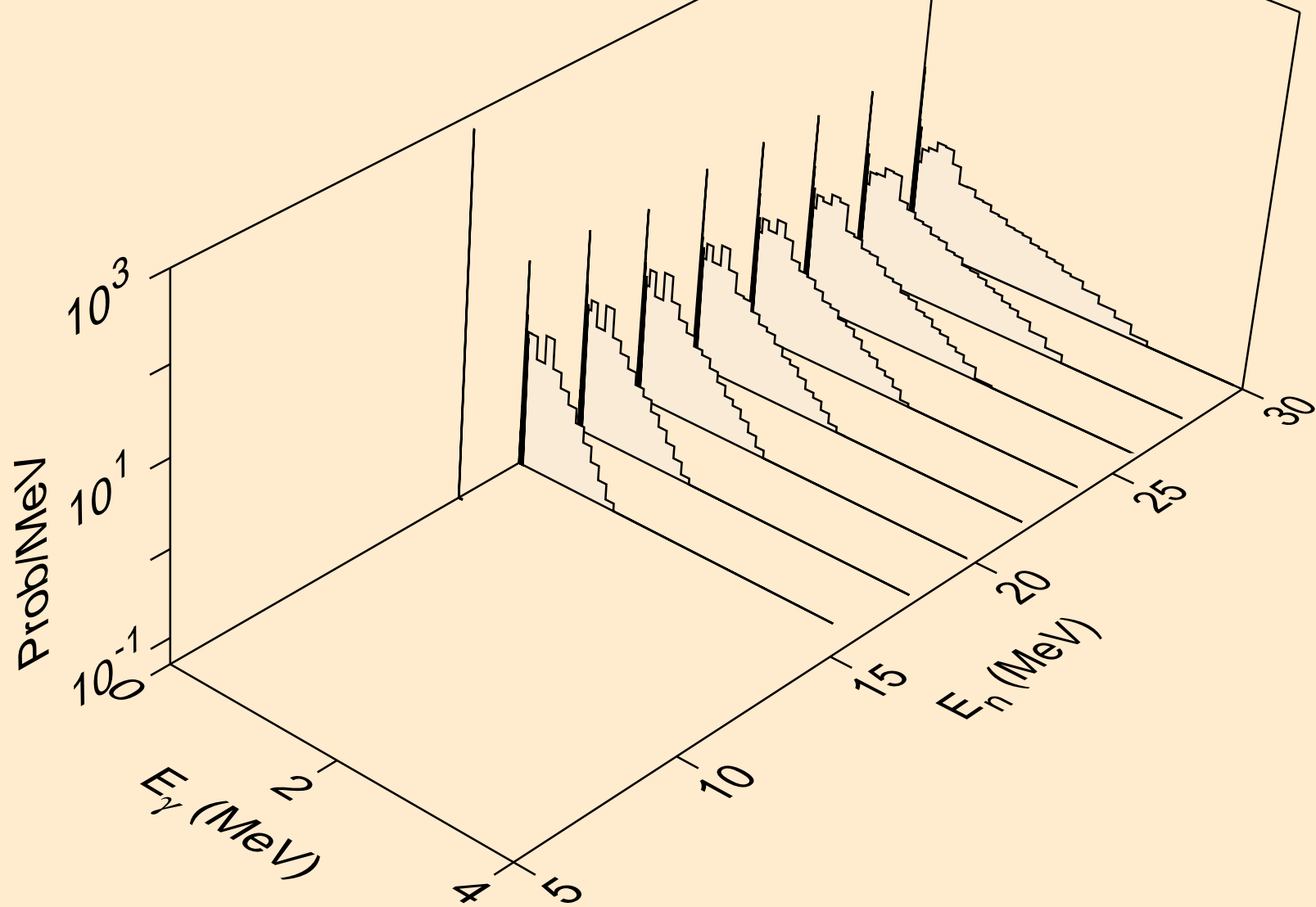


HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

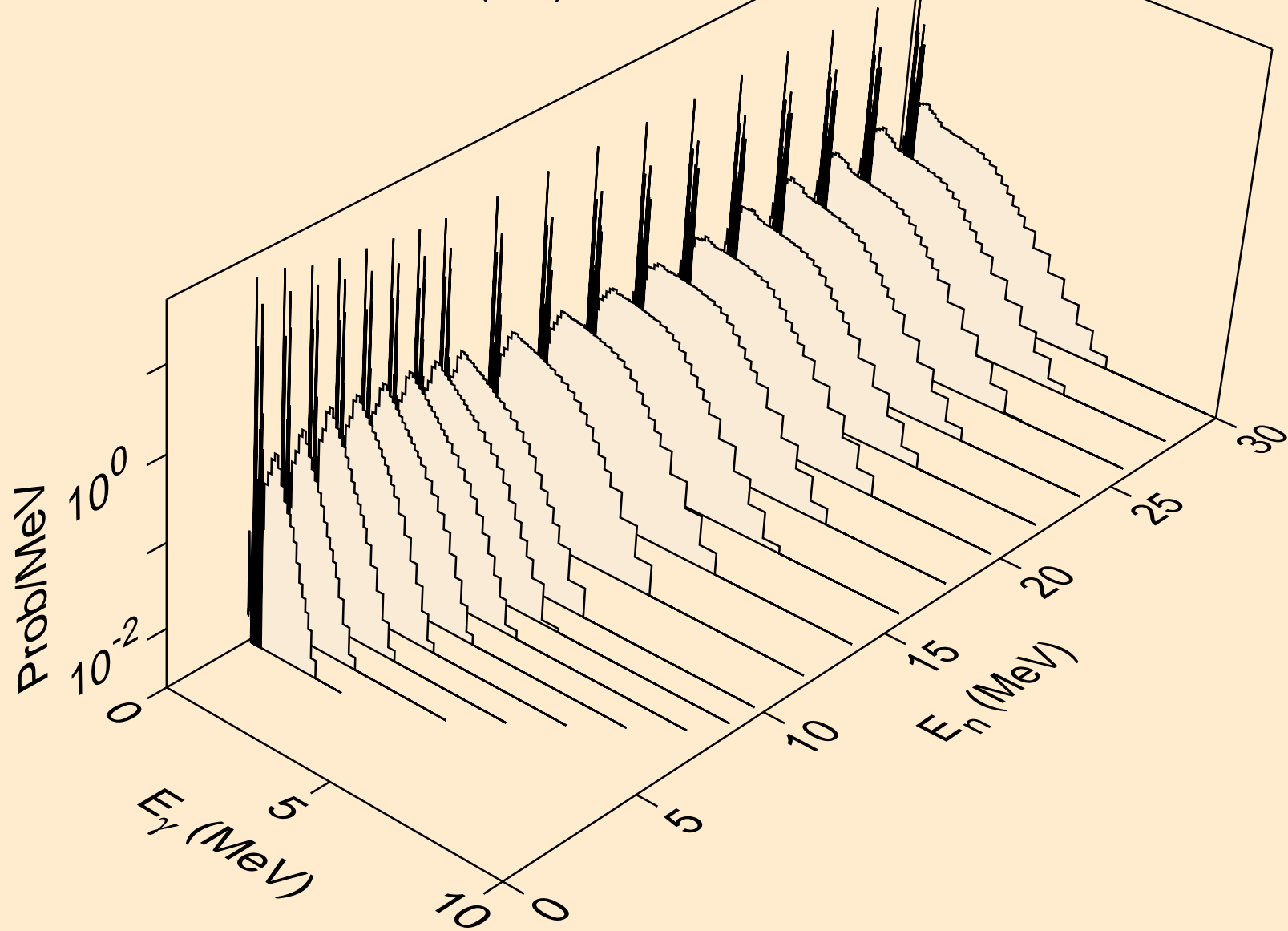




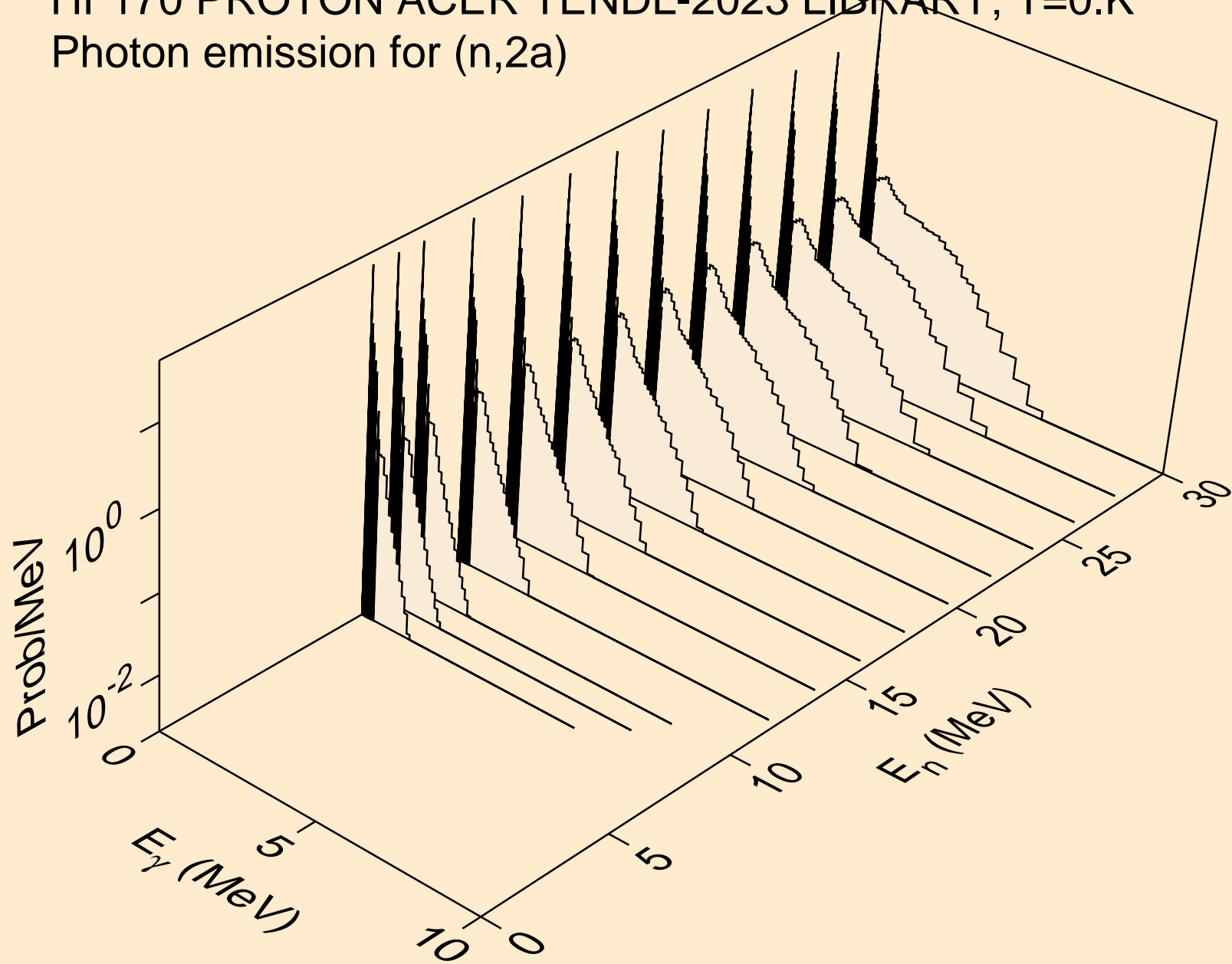
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Photon emission for (n,he3)



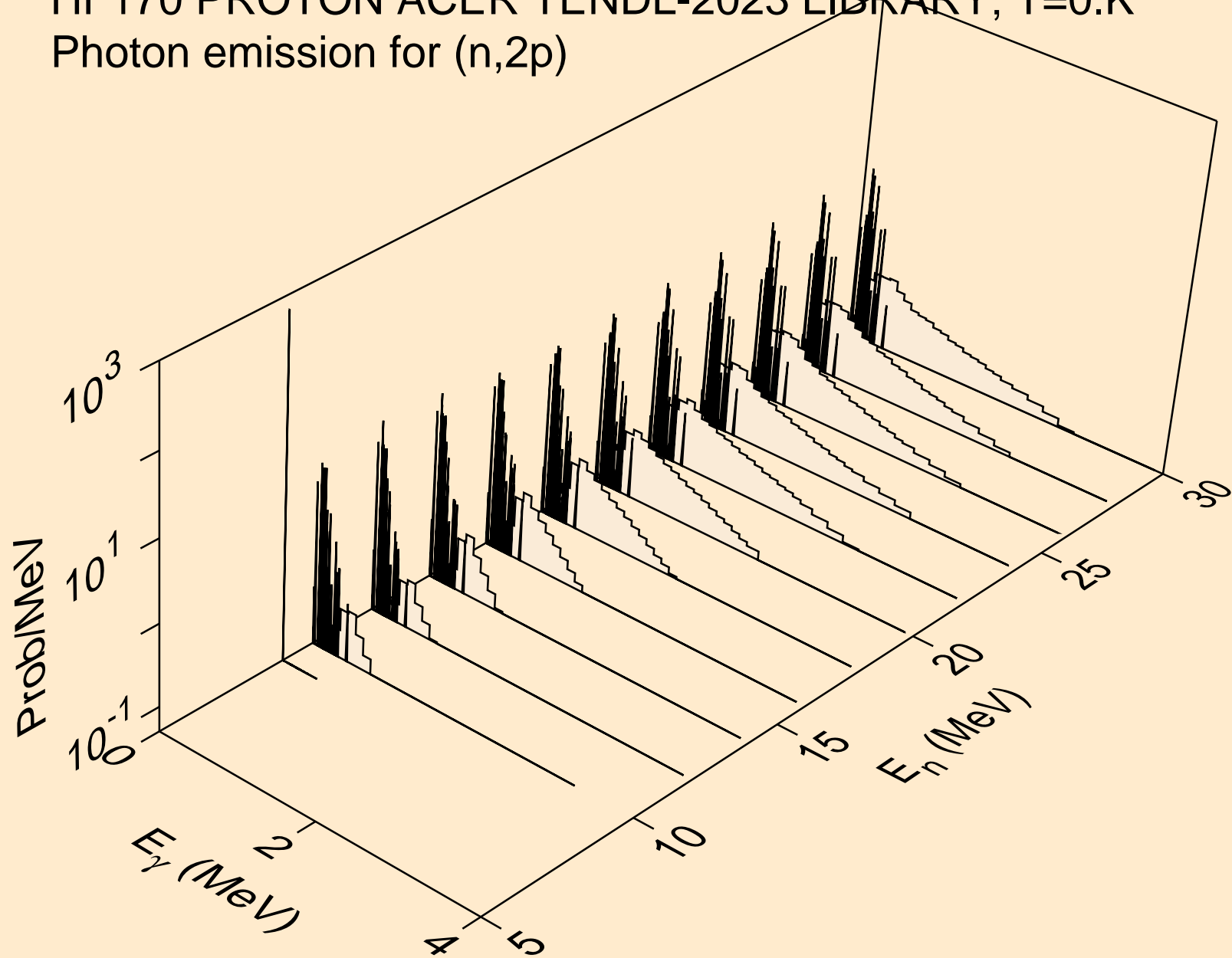
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



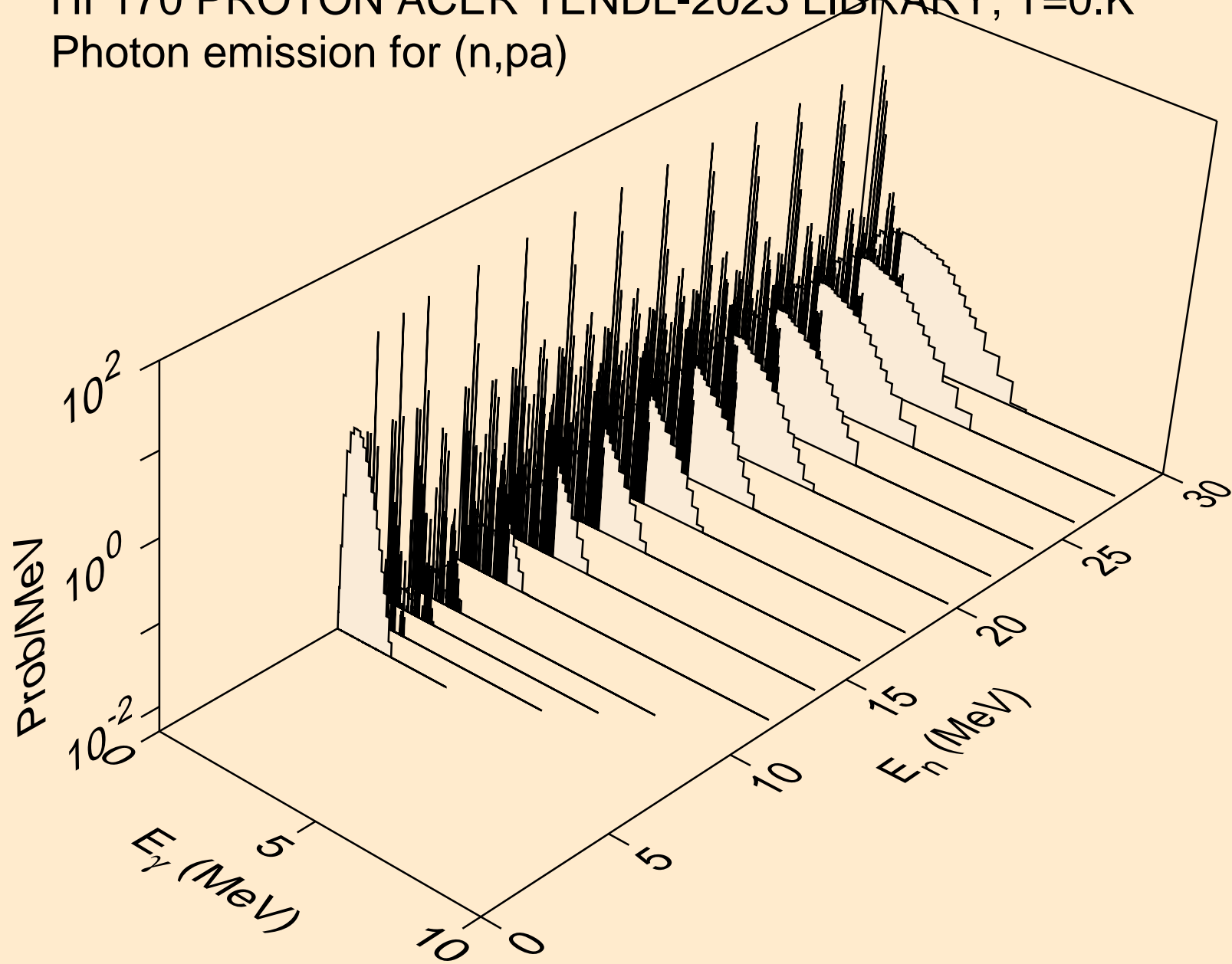
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Photon emission for (n,2a)



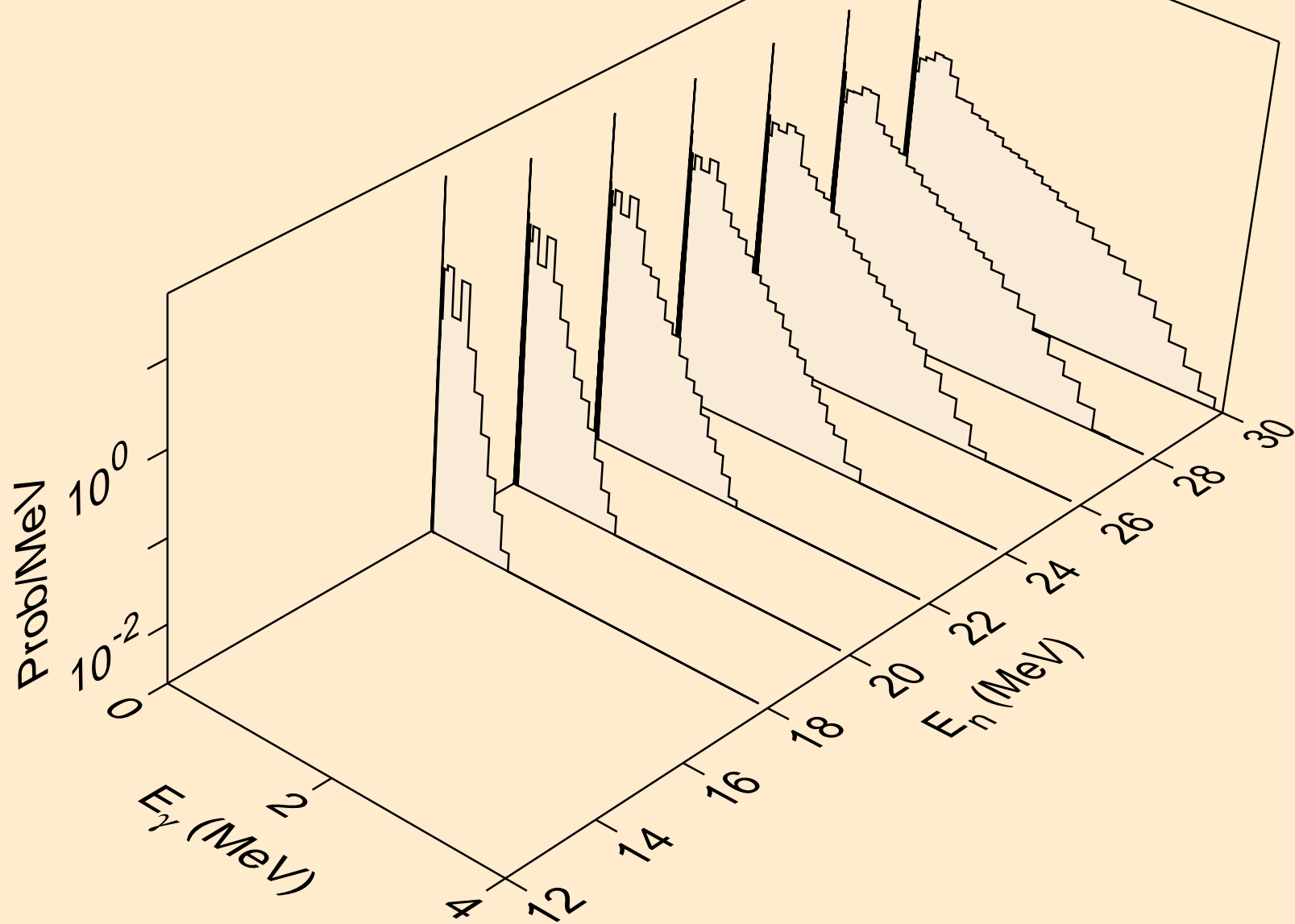
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Photon emission for (n,2p)



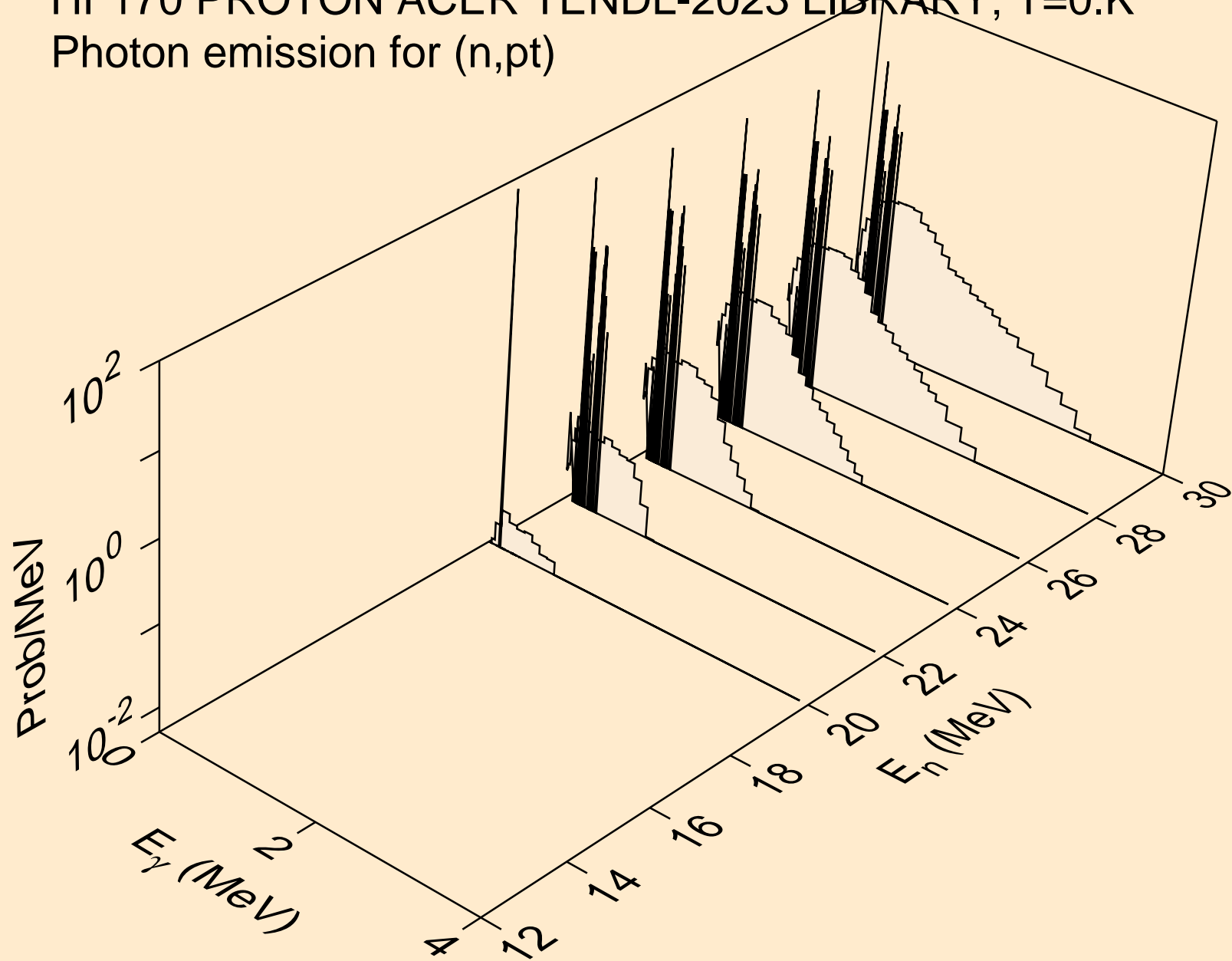
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)



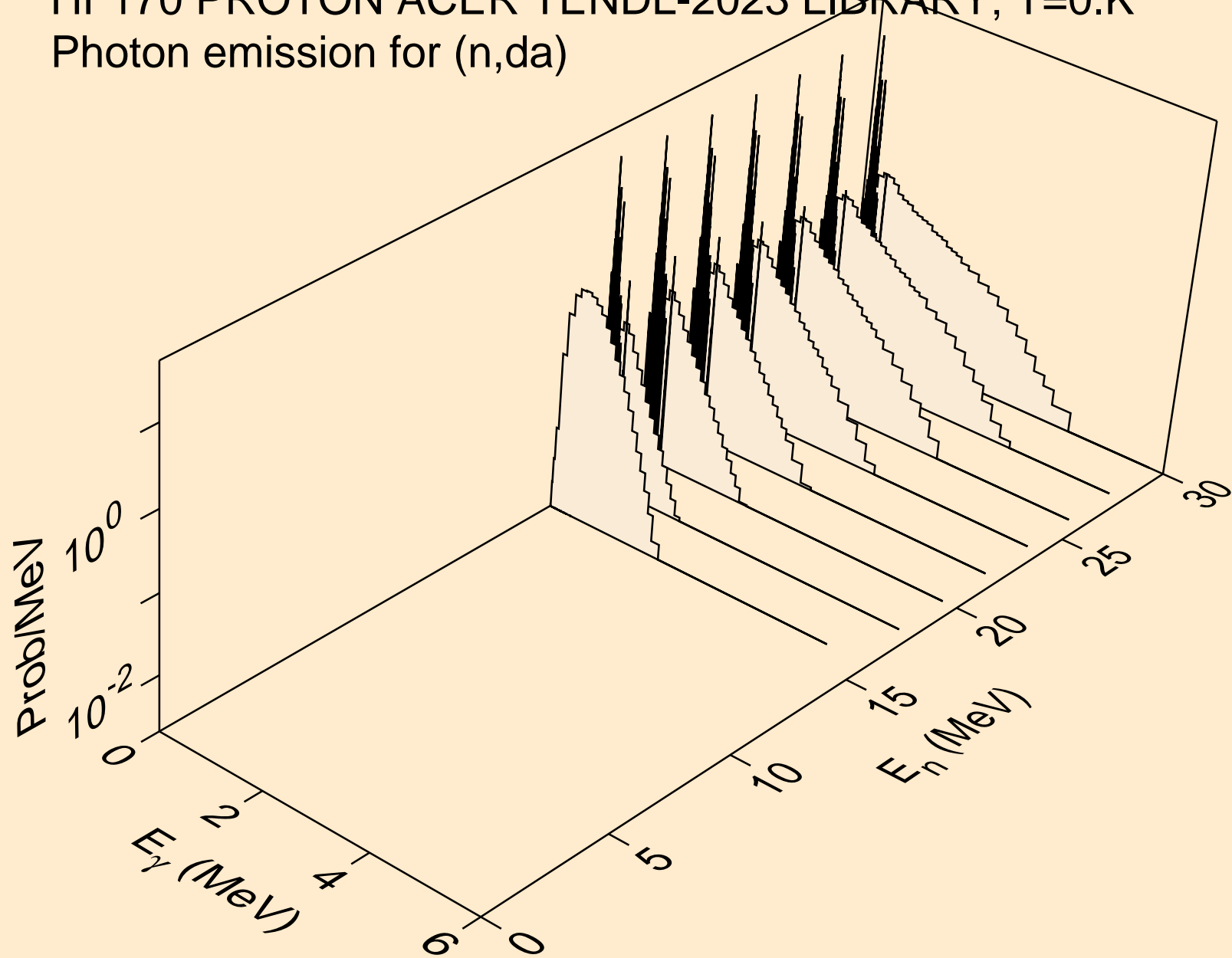
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



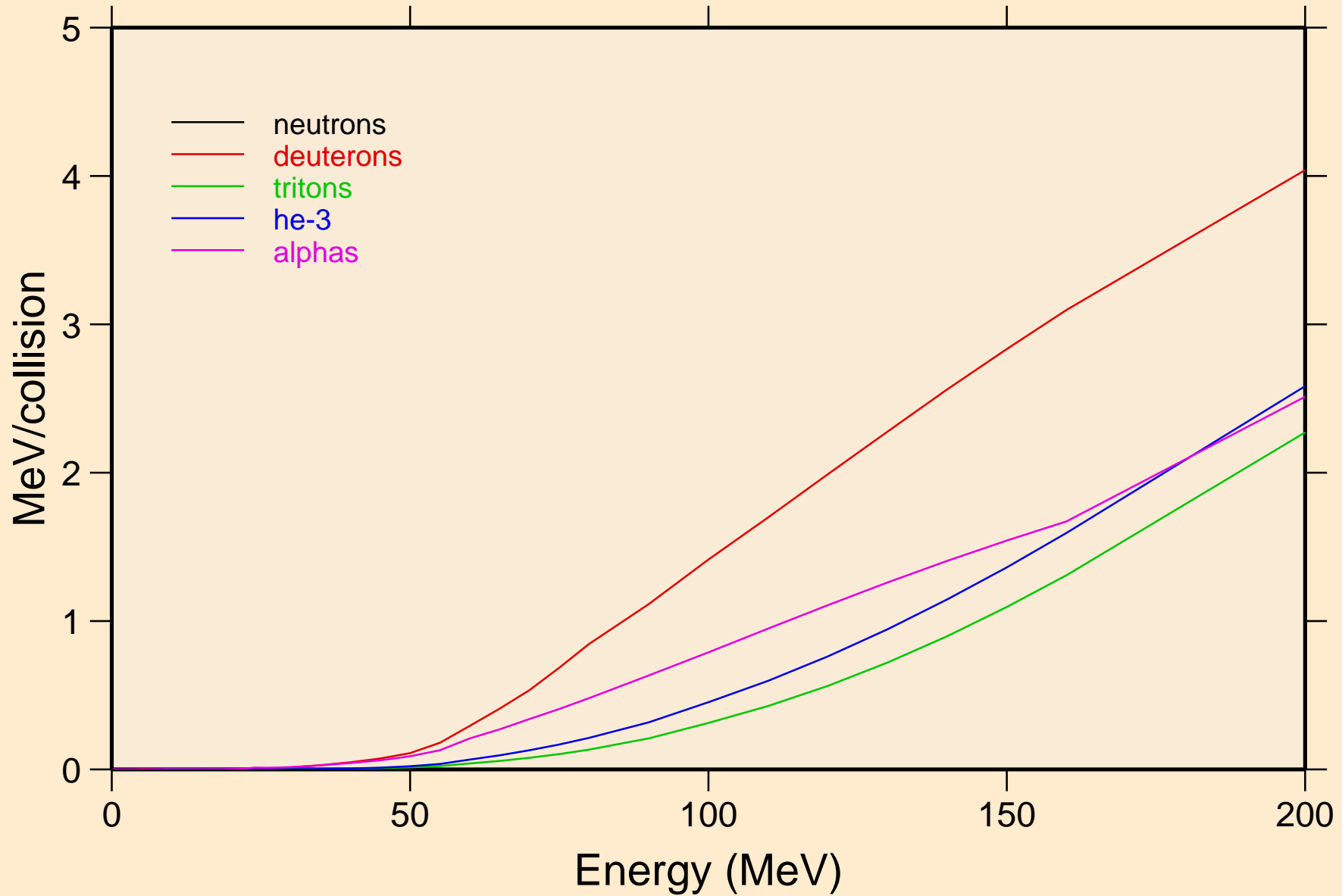
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Photon emission for (n,da)



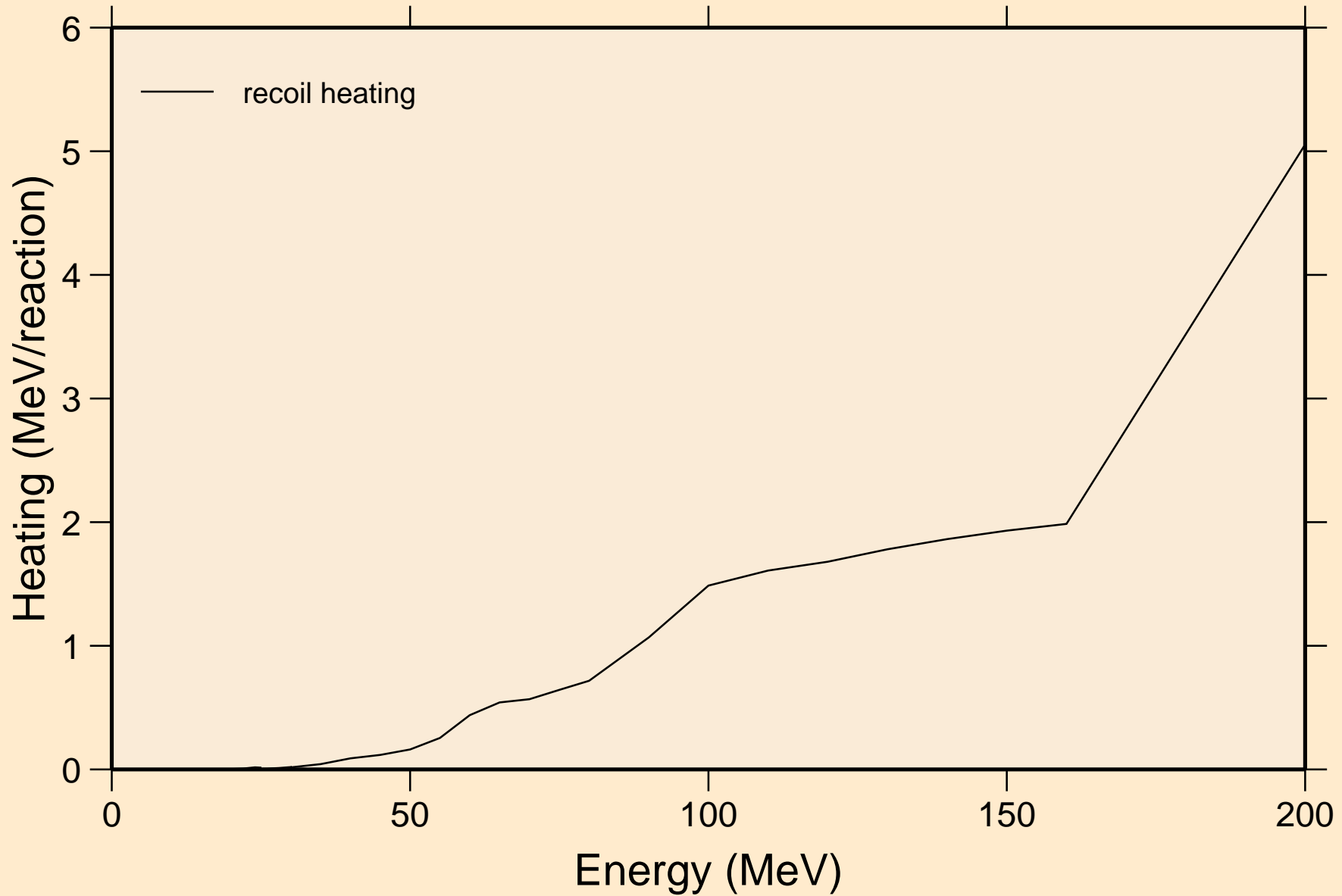


# HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K

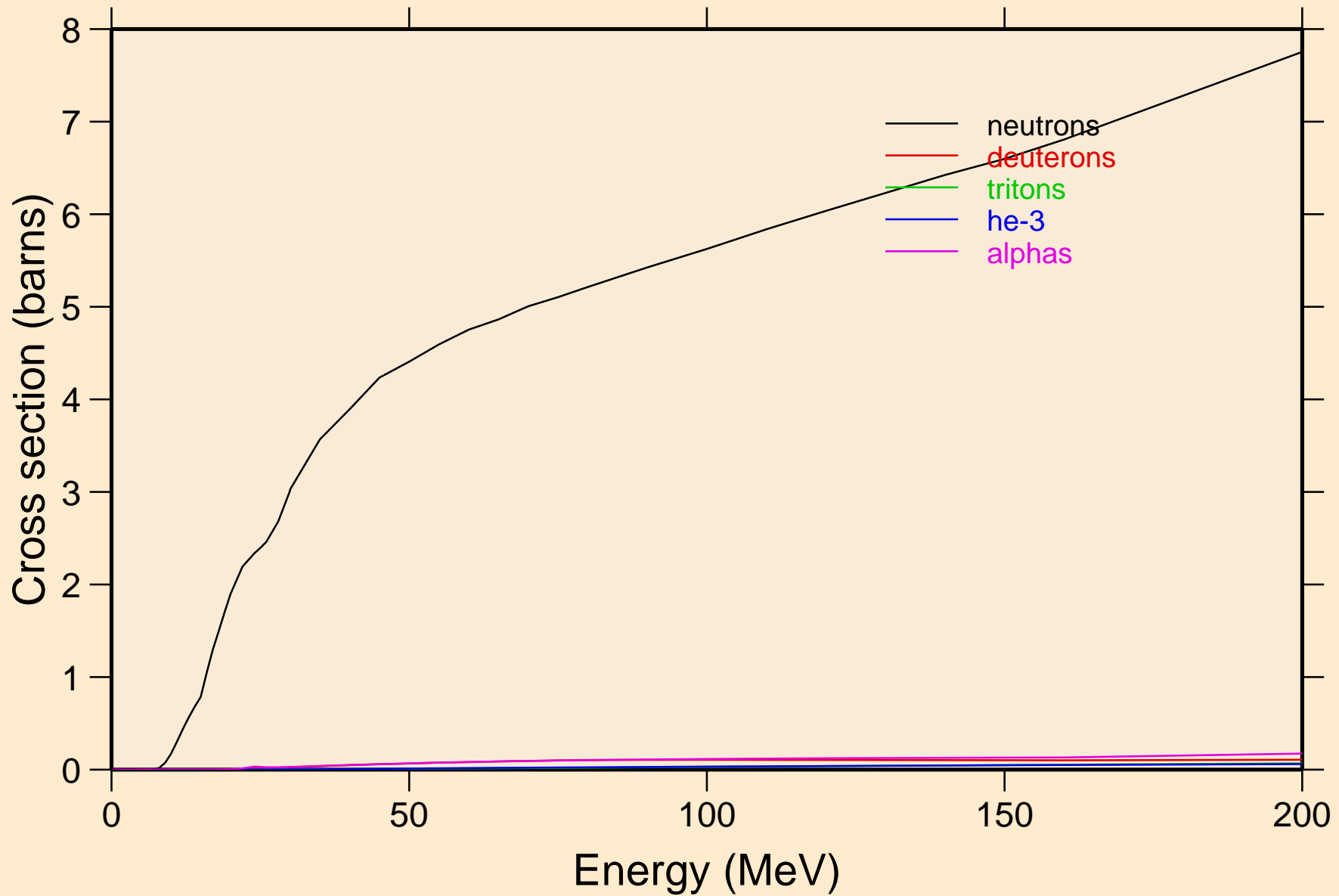
## Particle heating contributions



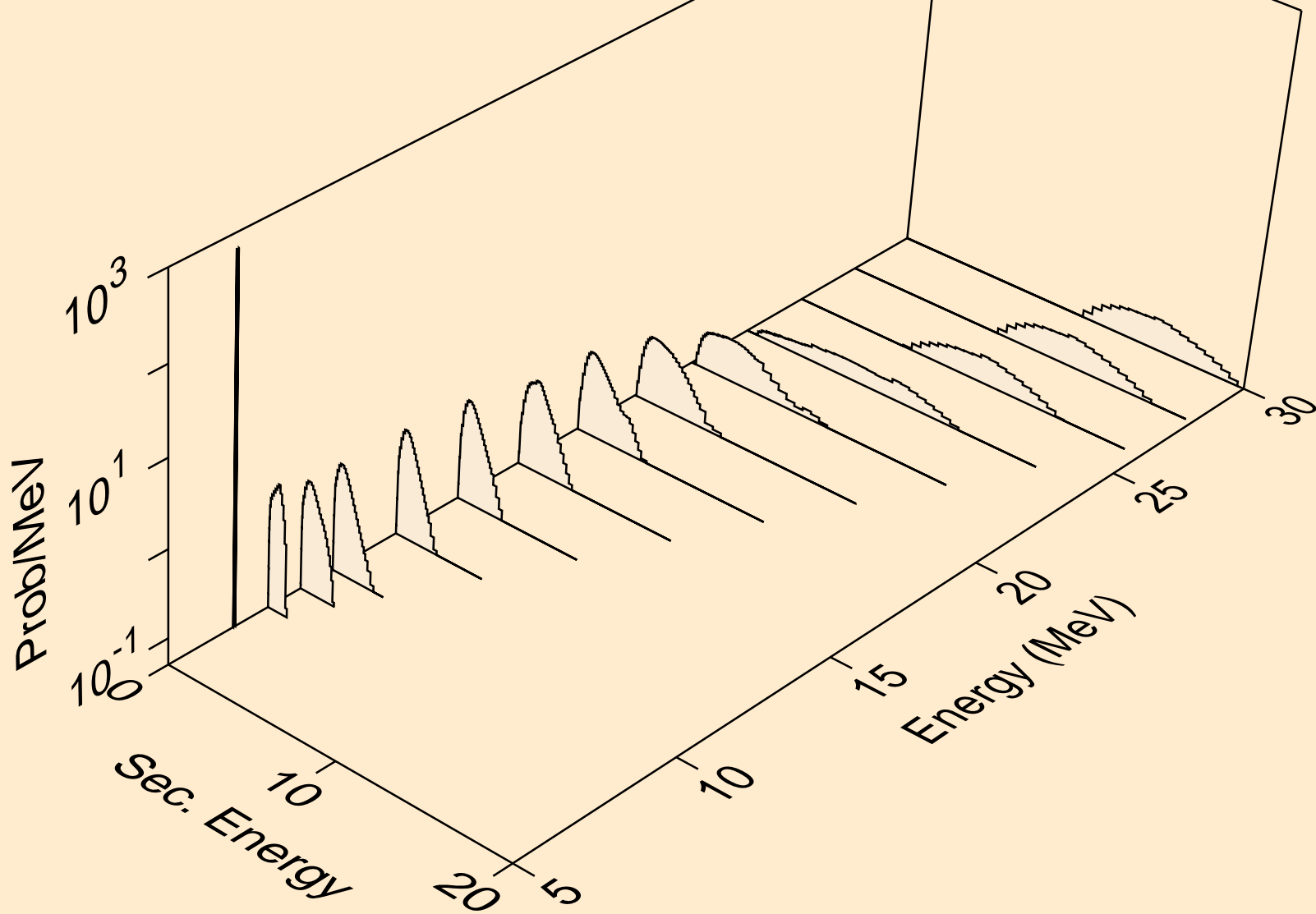
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



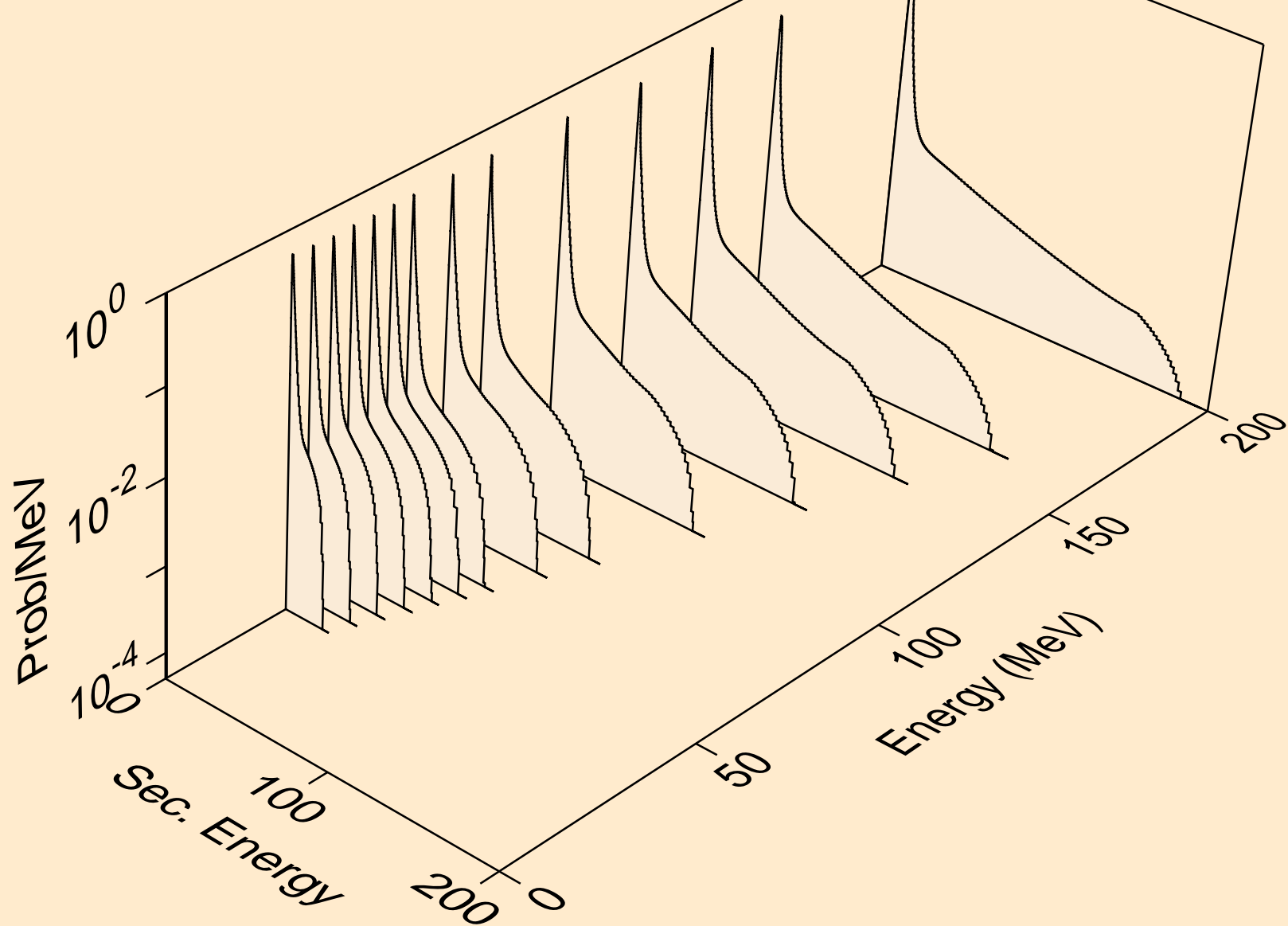
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



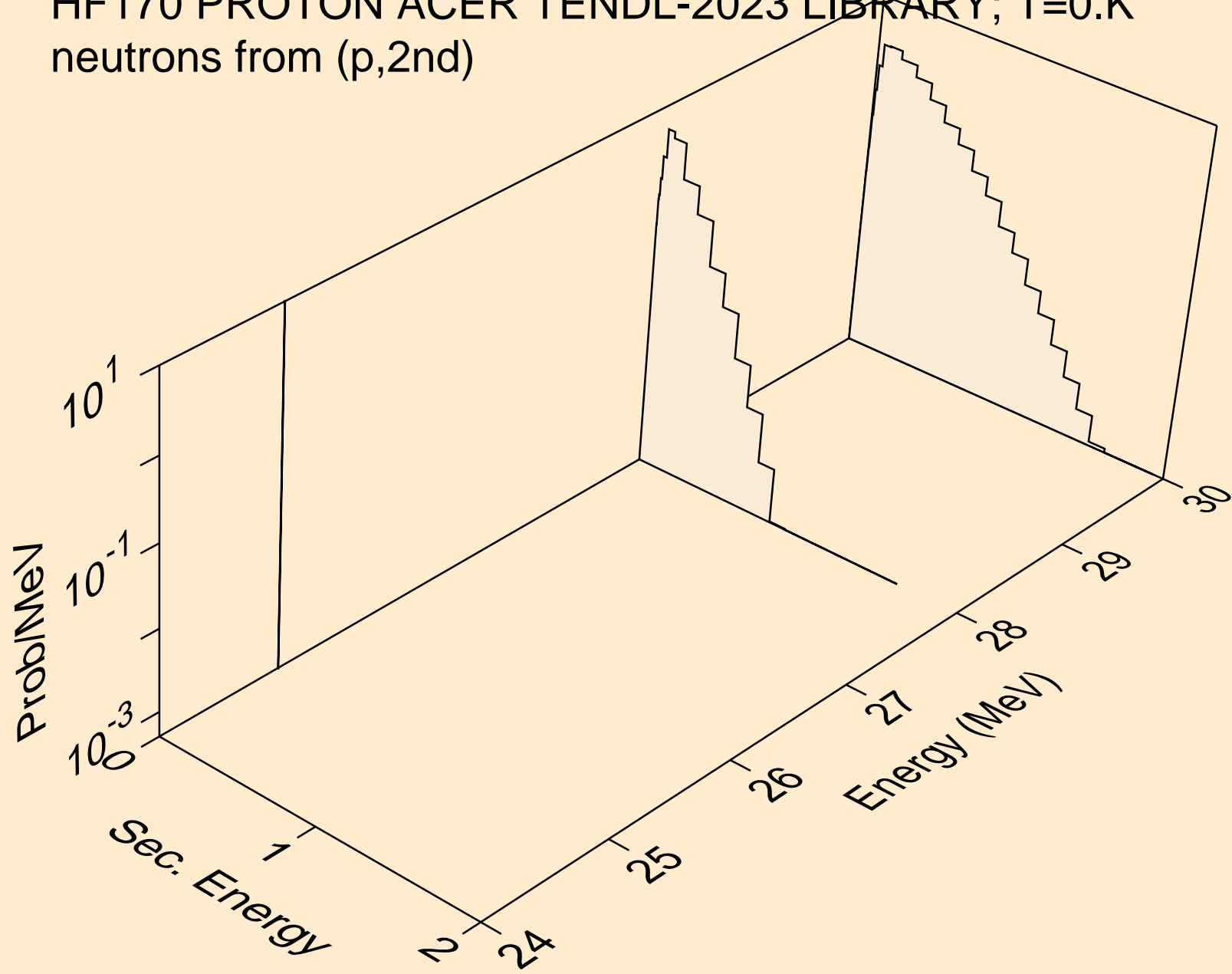
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



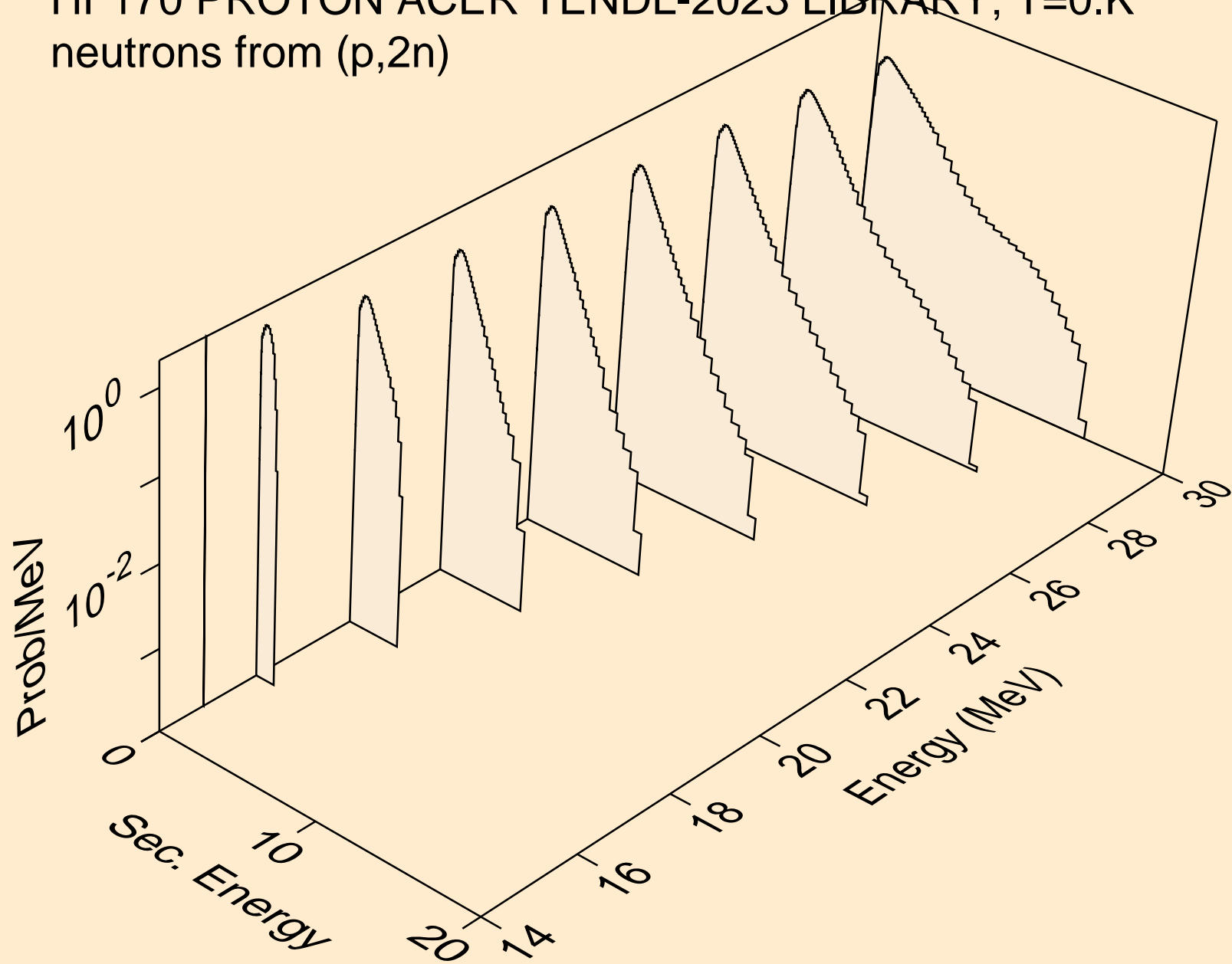
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)



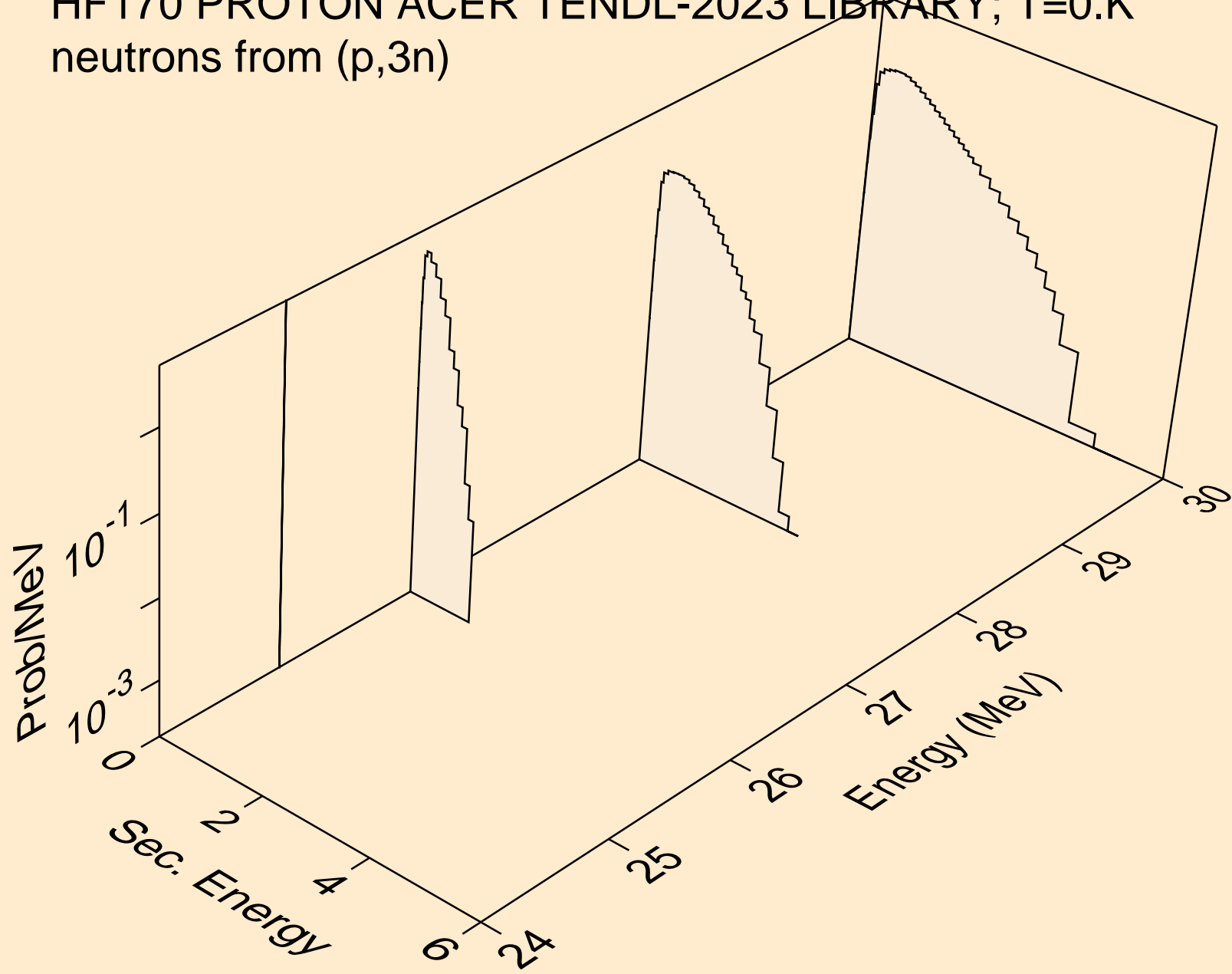
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2nd)



HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)

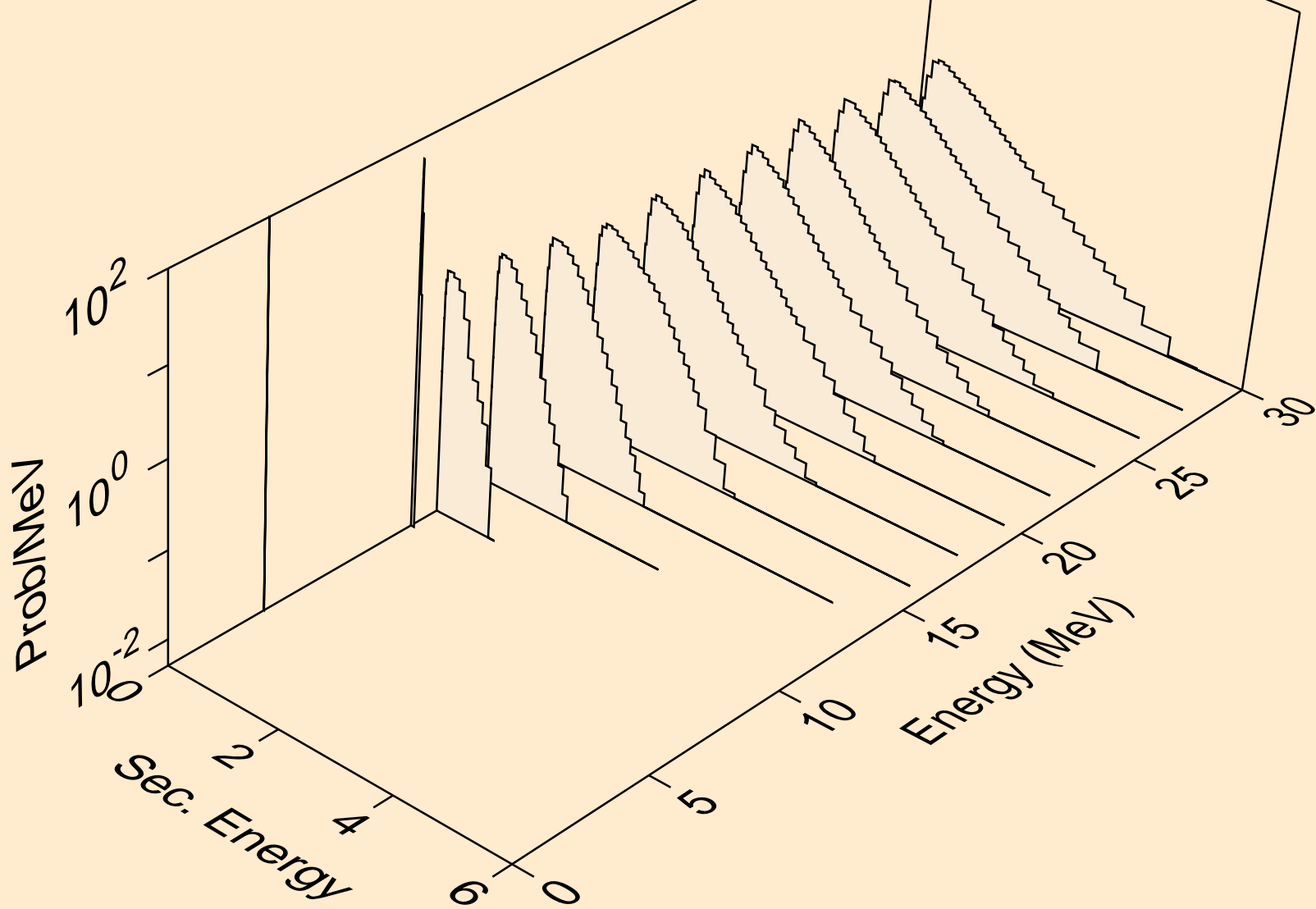


HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3n)

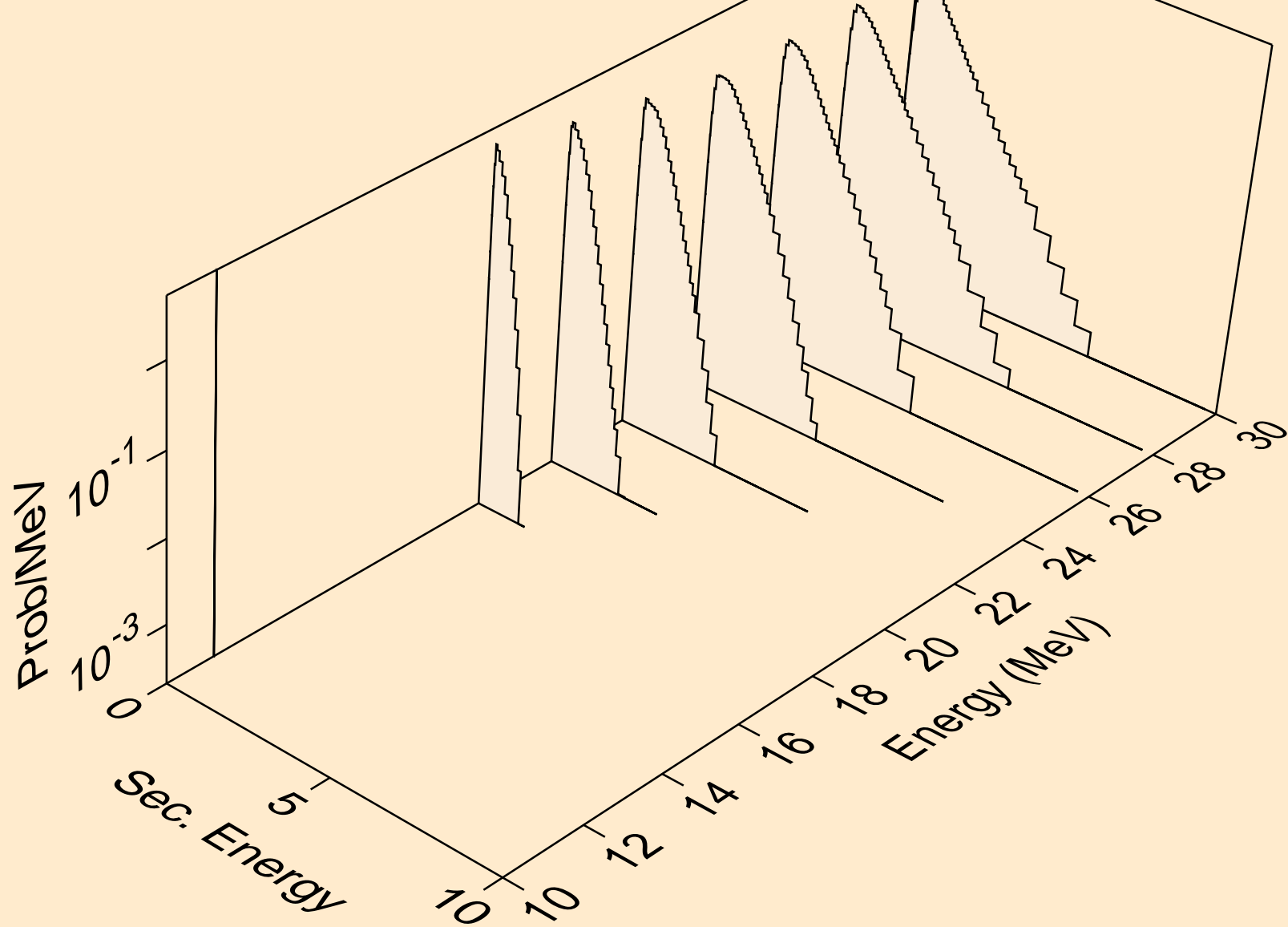




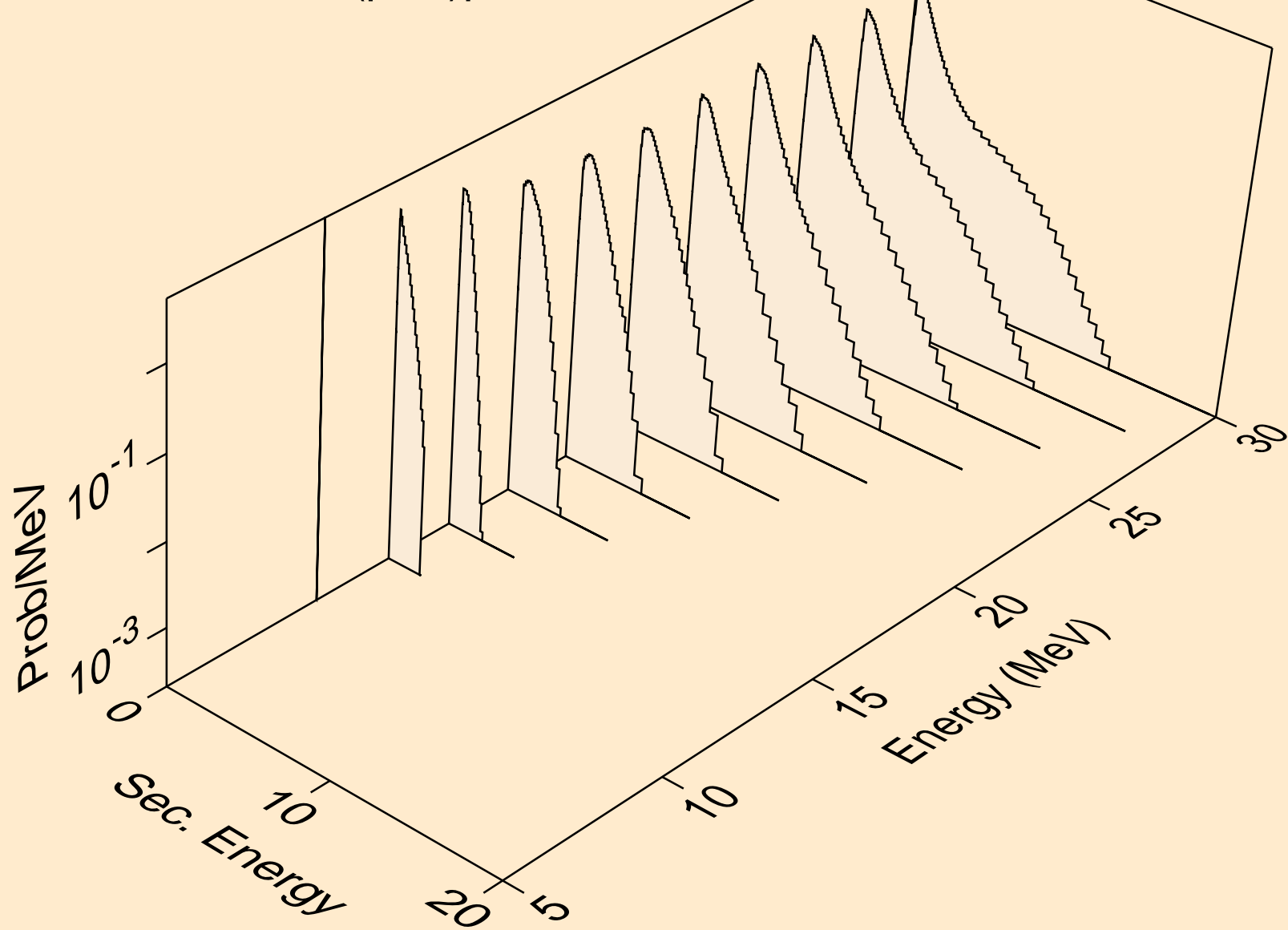
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a



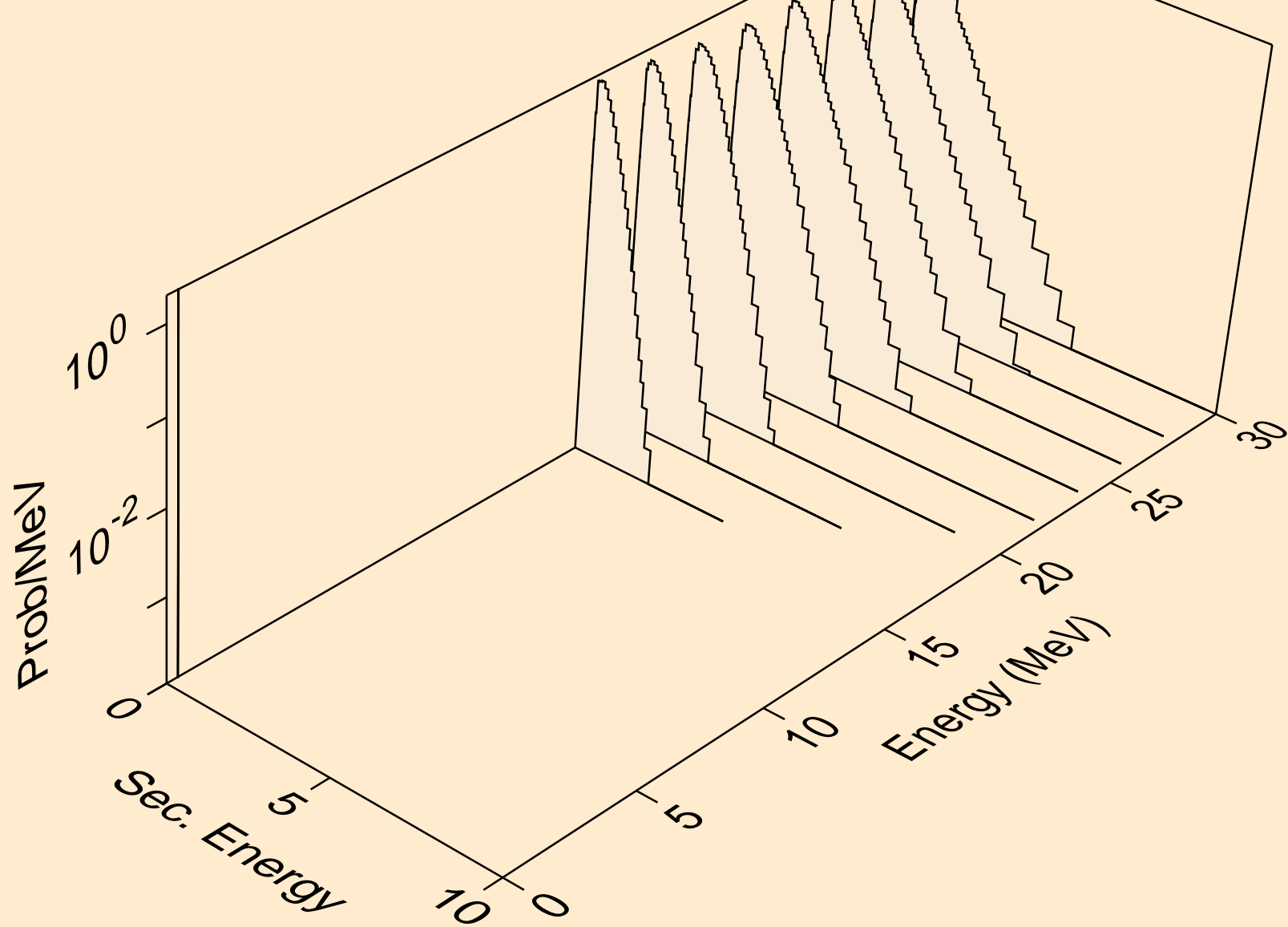
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)a



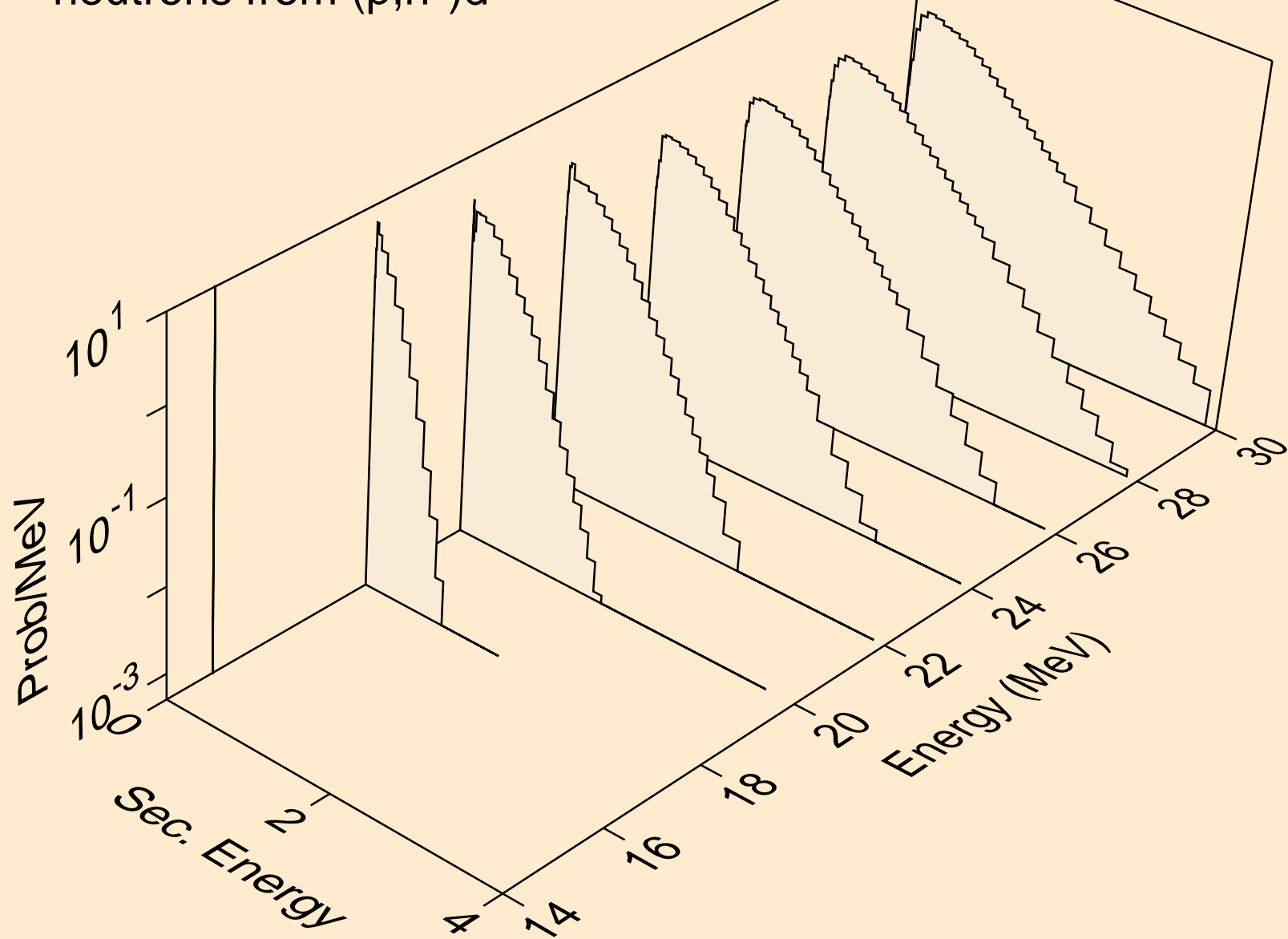
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)p



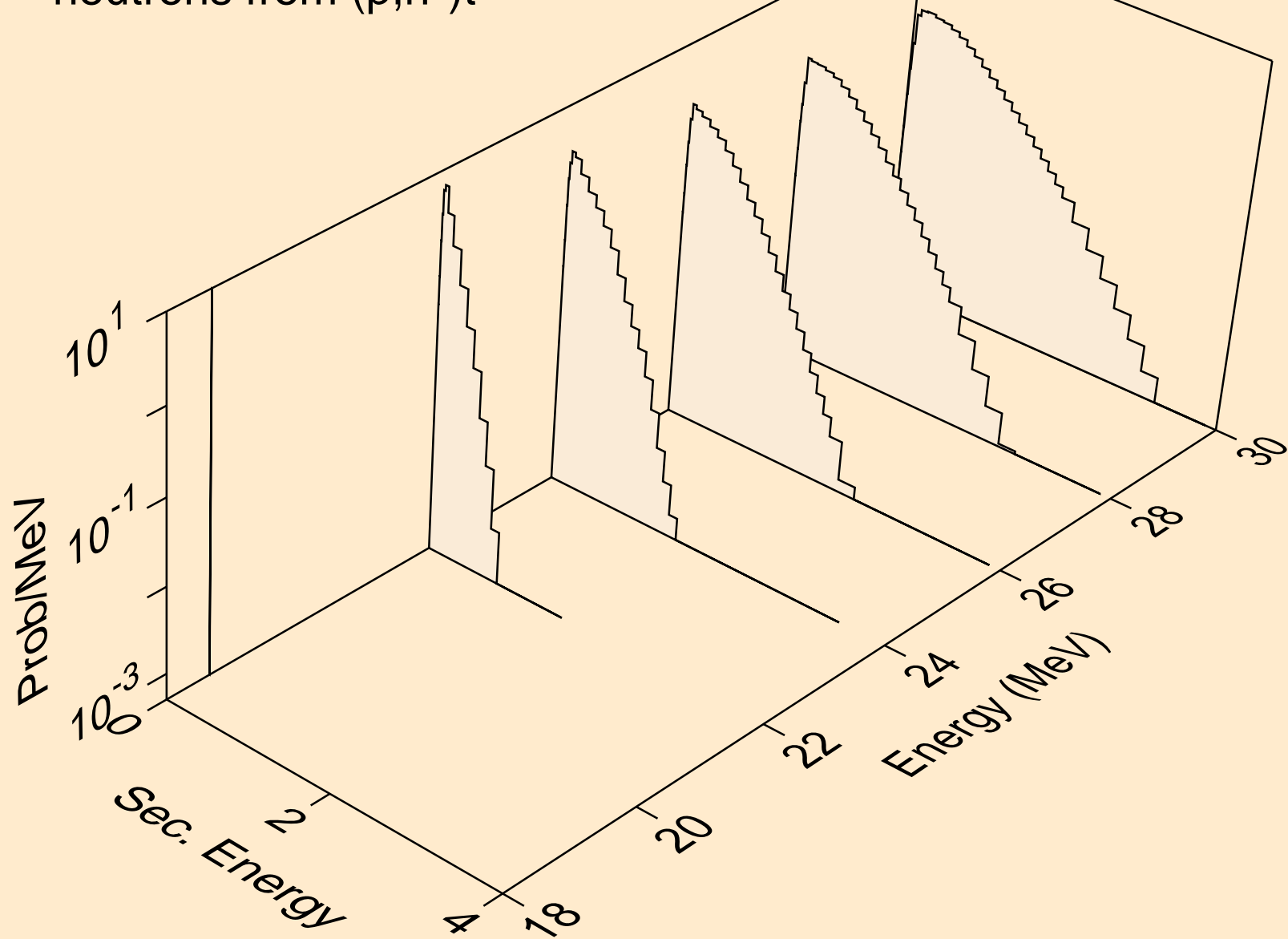
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neutrons from (p,n\*)2a



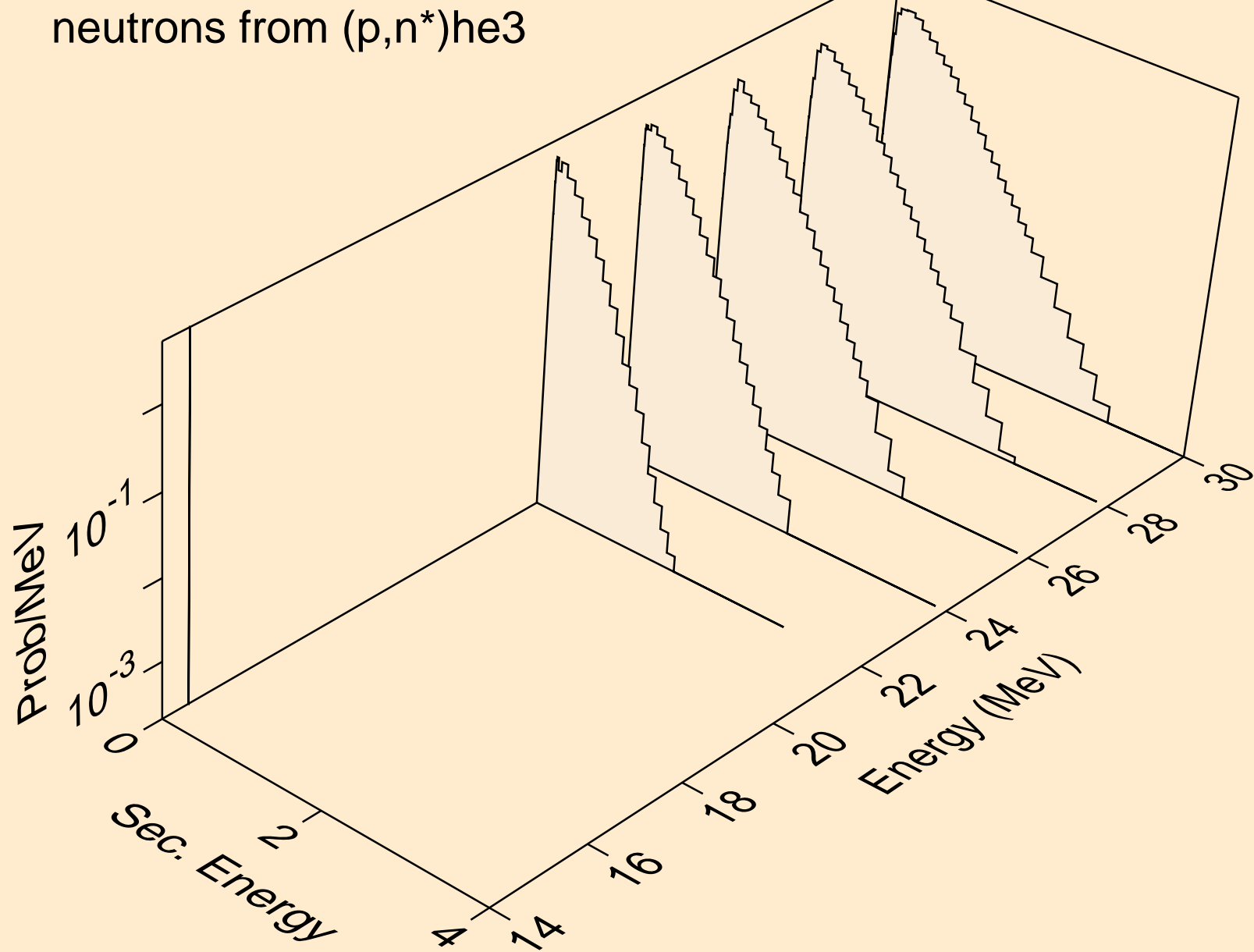
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neutrons from (p,n\*)d



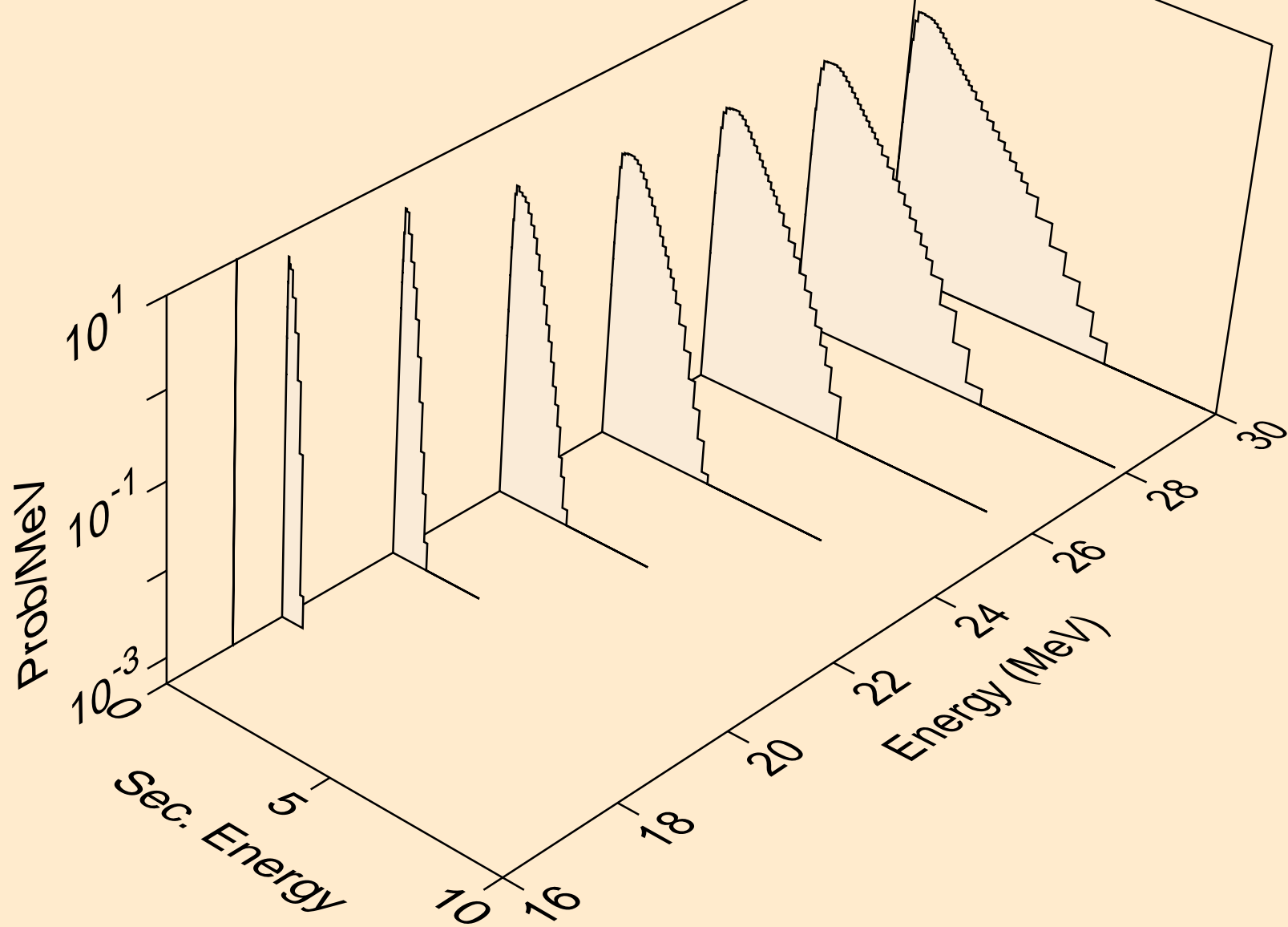
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)t



HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3

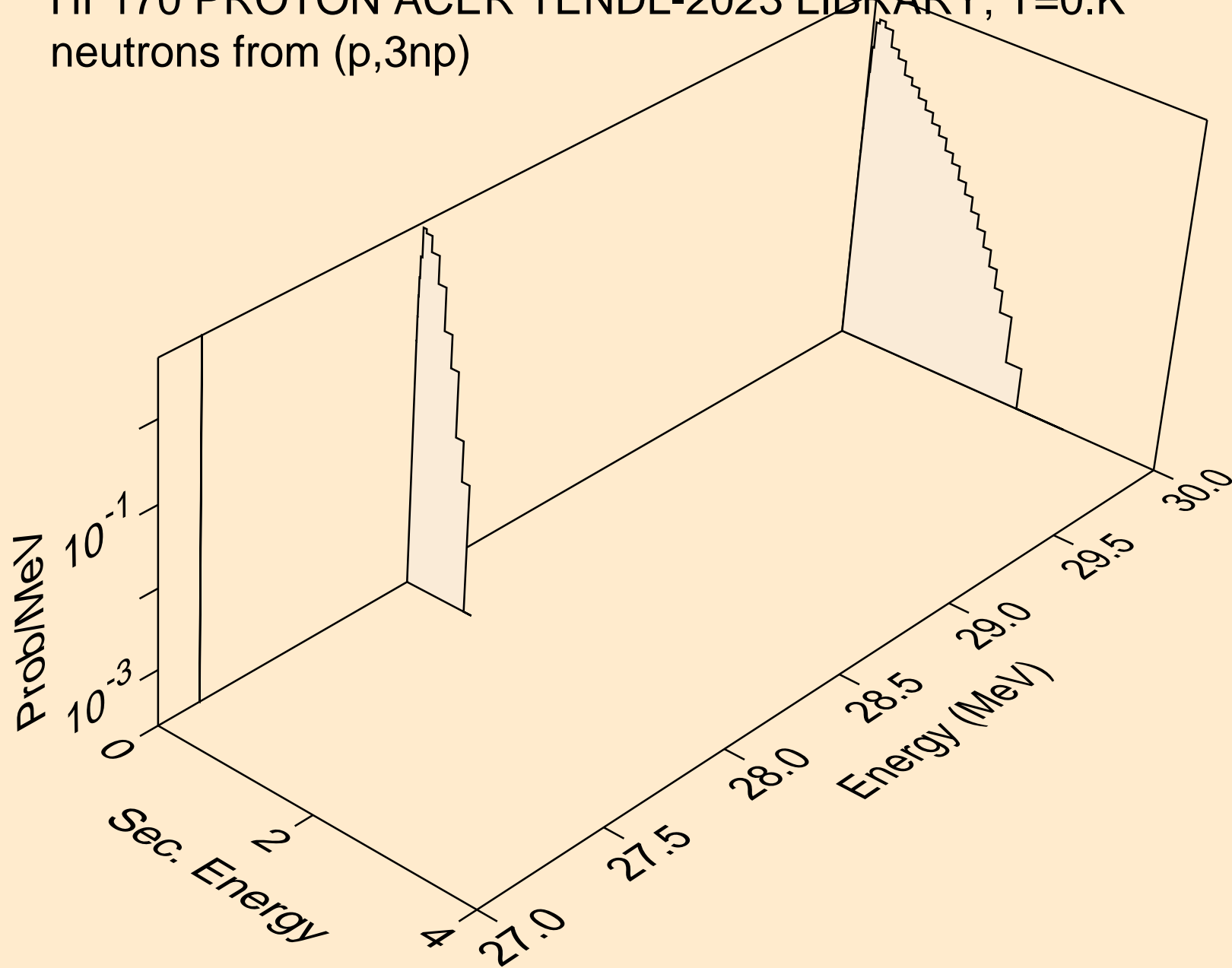


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neutrons from (p,2np)

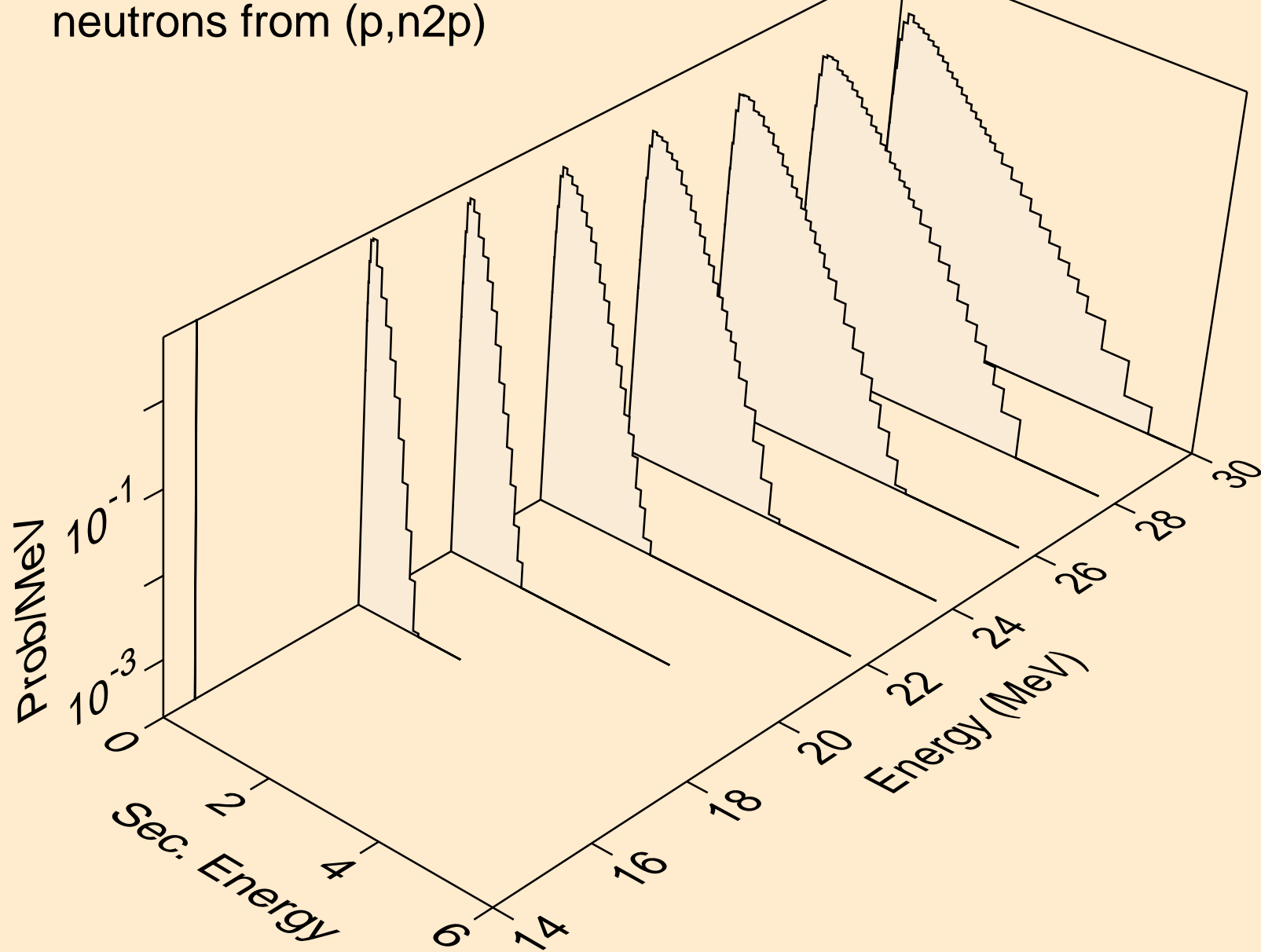




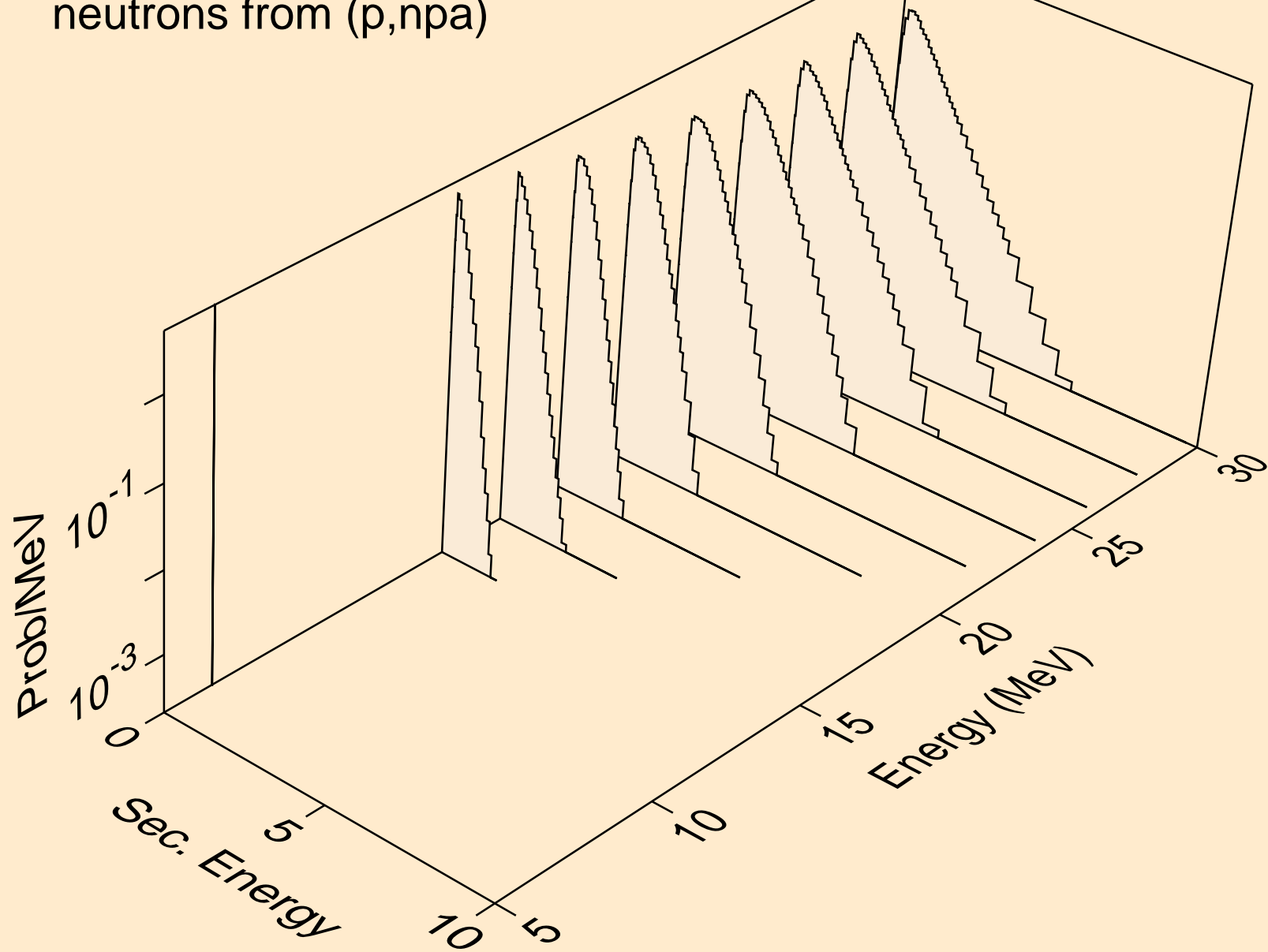
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neutrons from (p,3np)



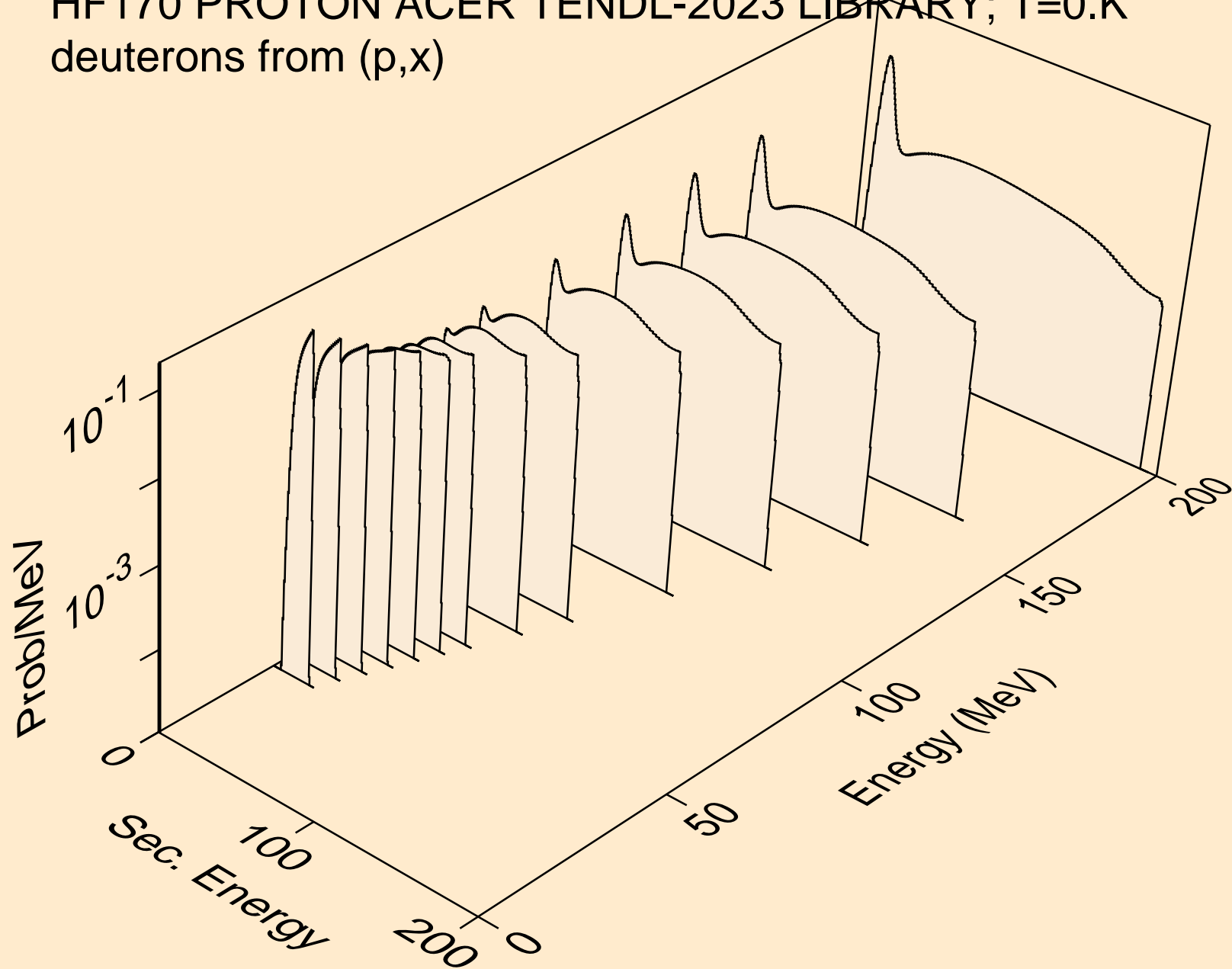
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neutrons from (p,n2p)



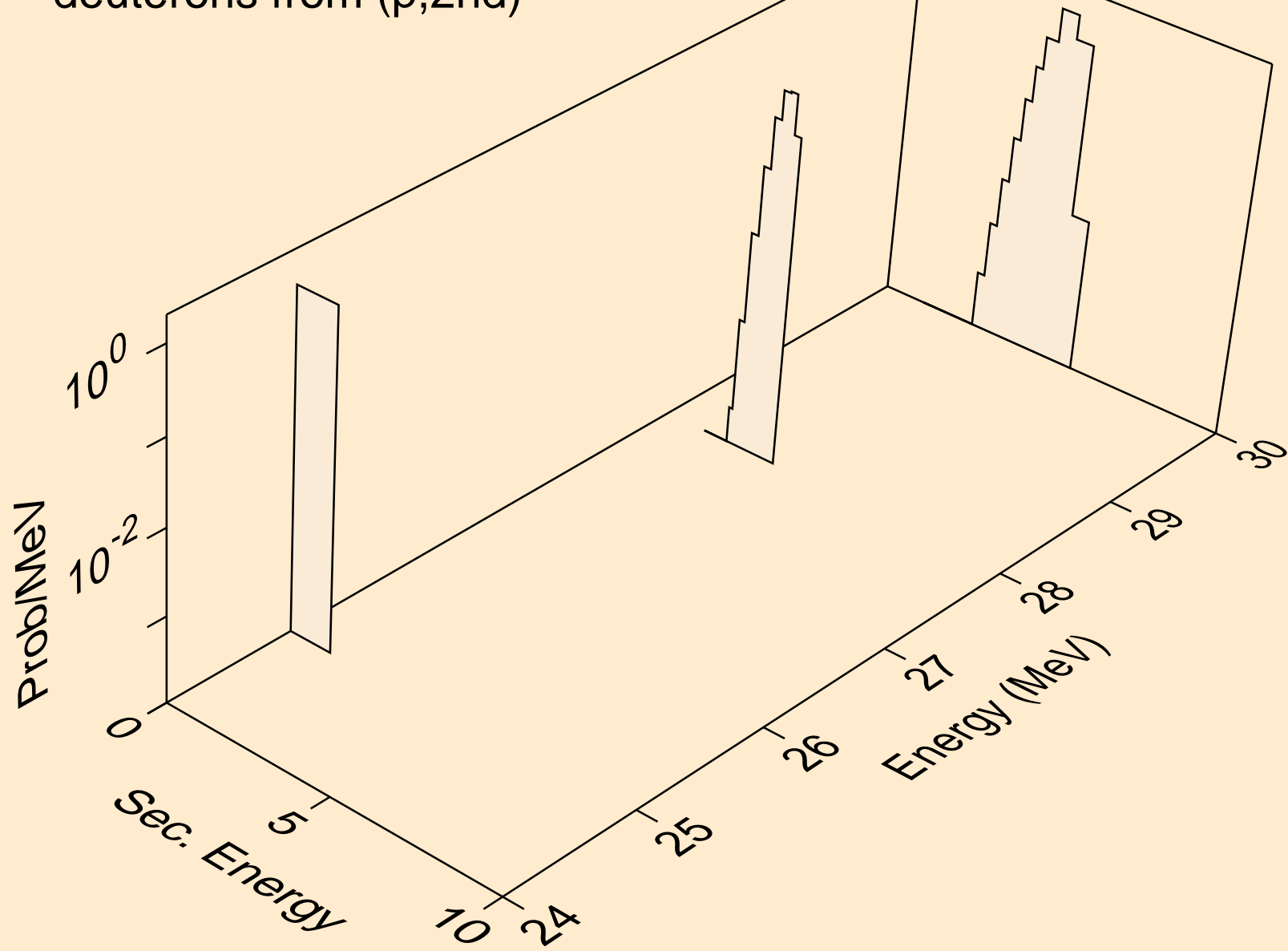
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,npa)



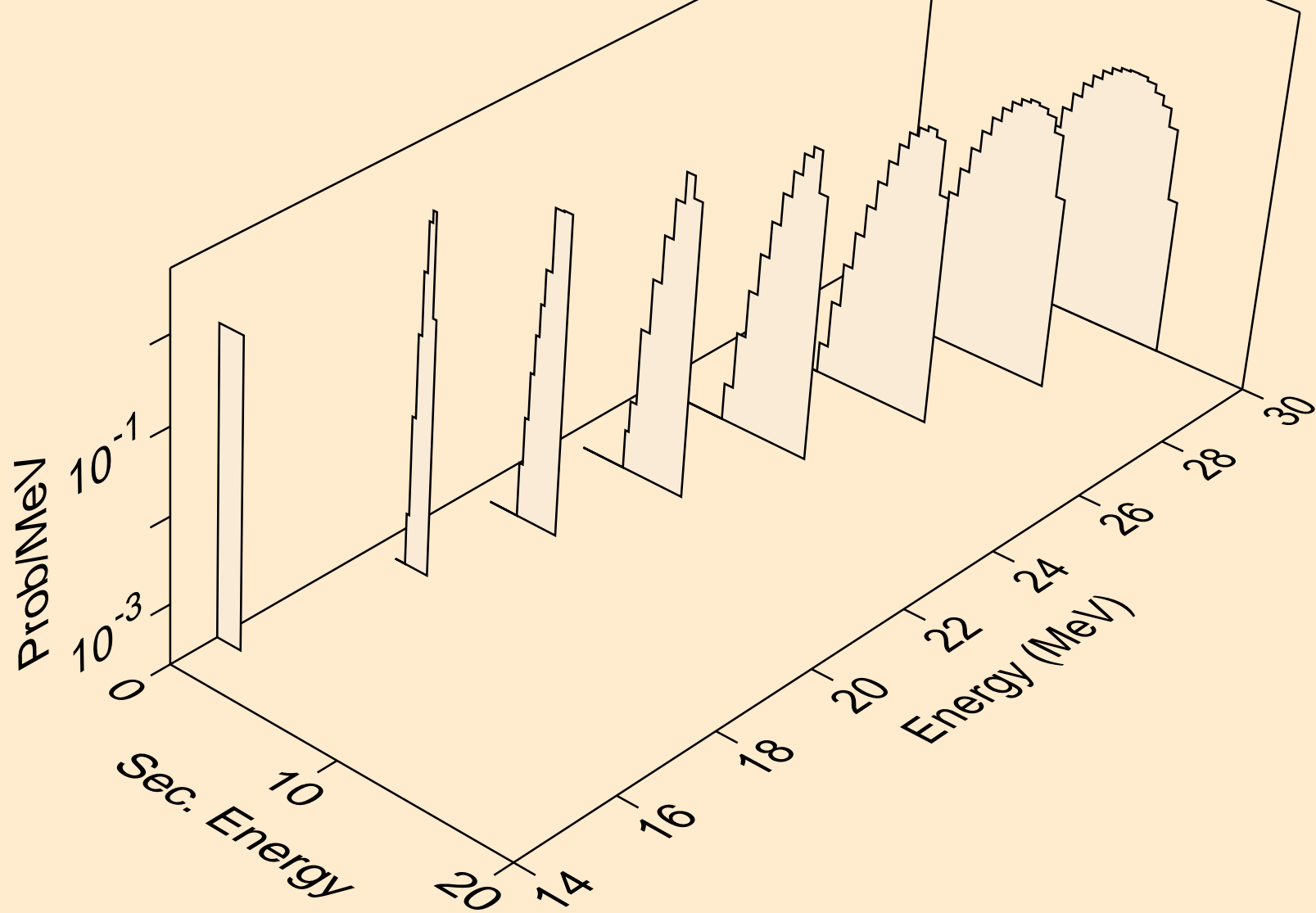
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,x)



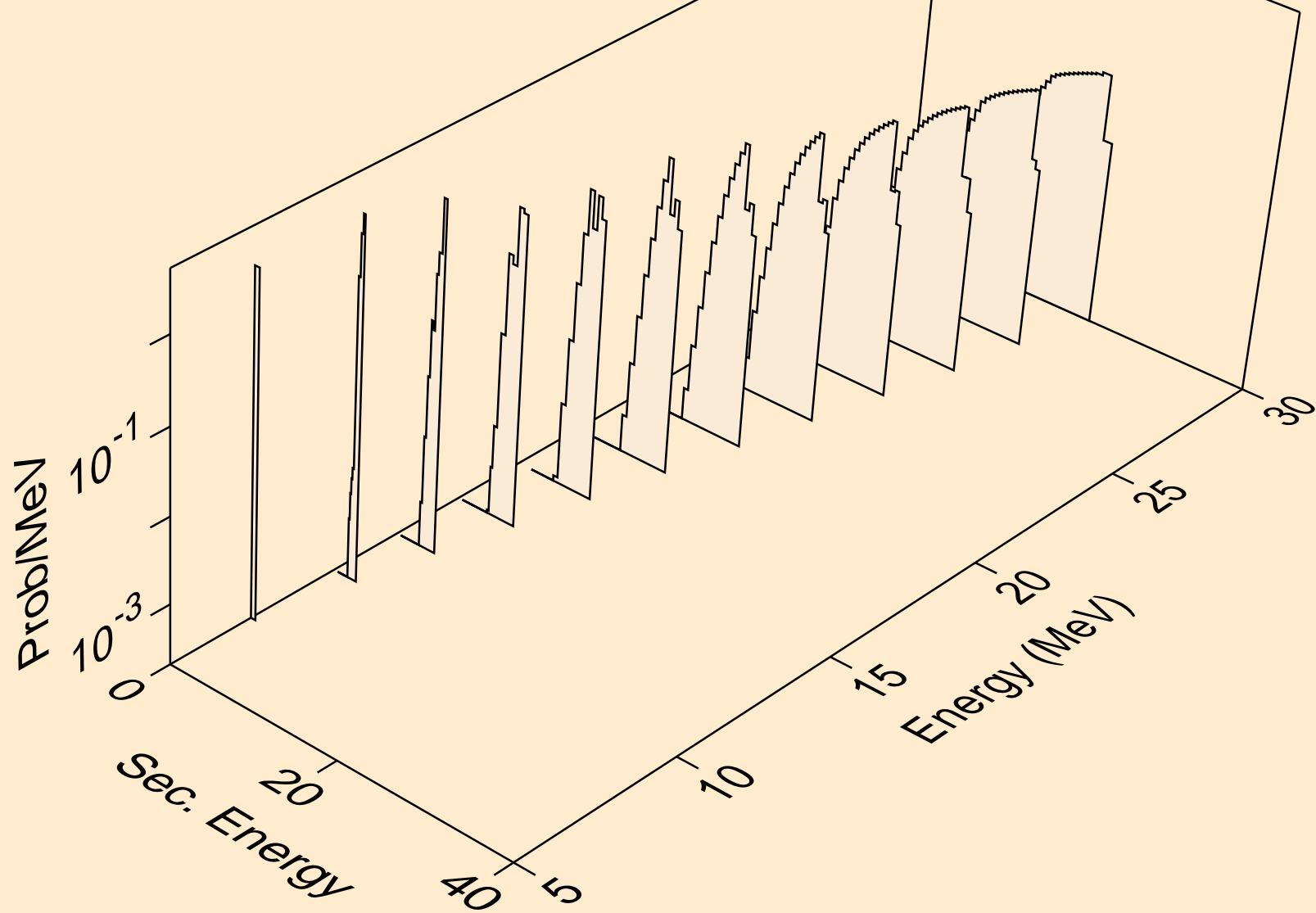
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
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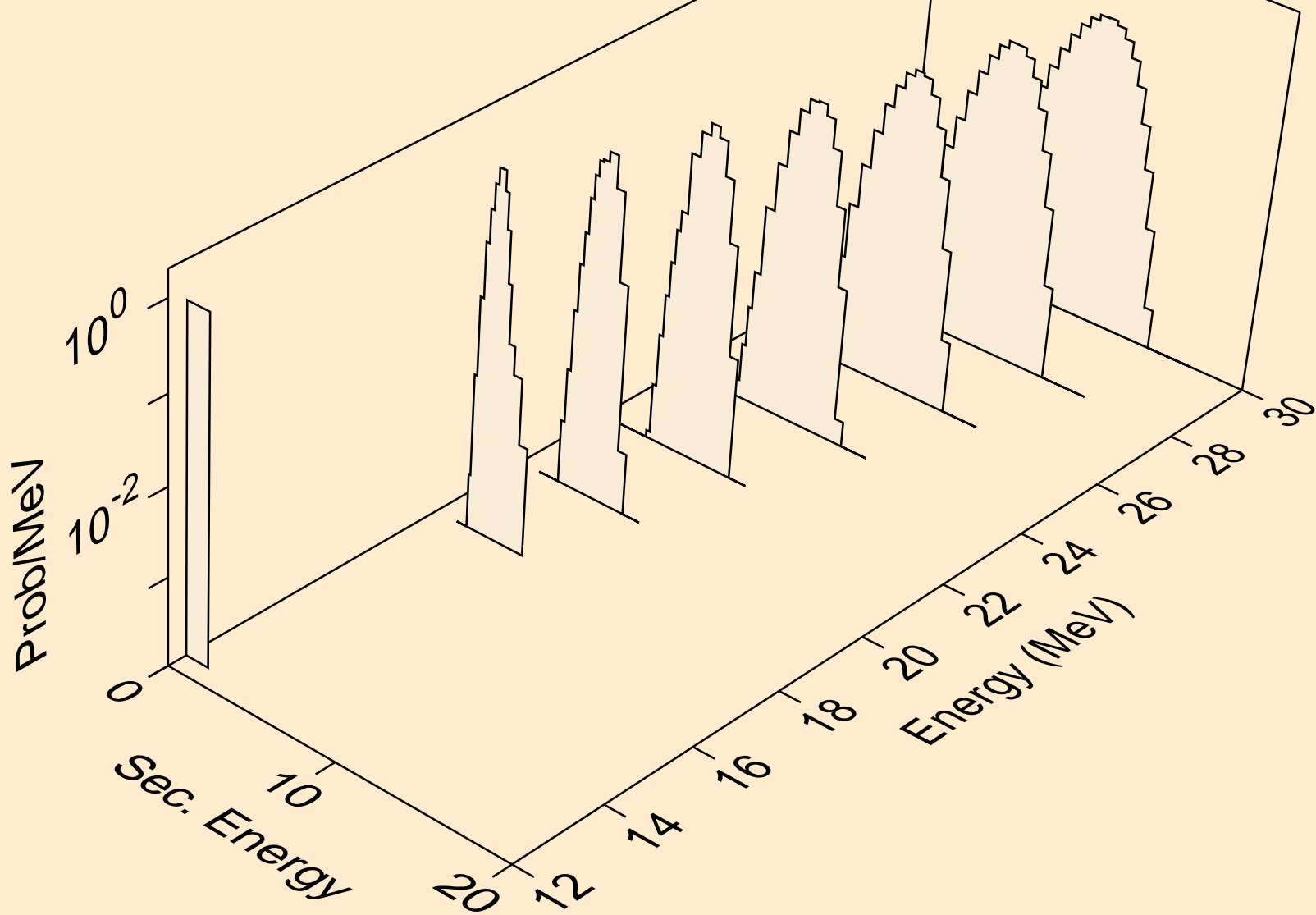
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,n\*)d



HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,d)

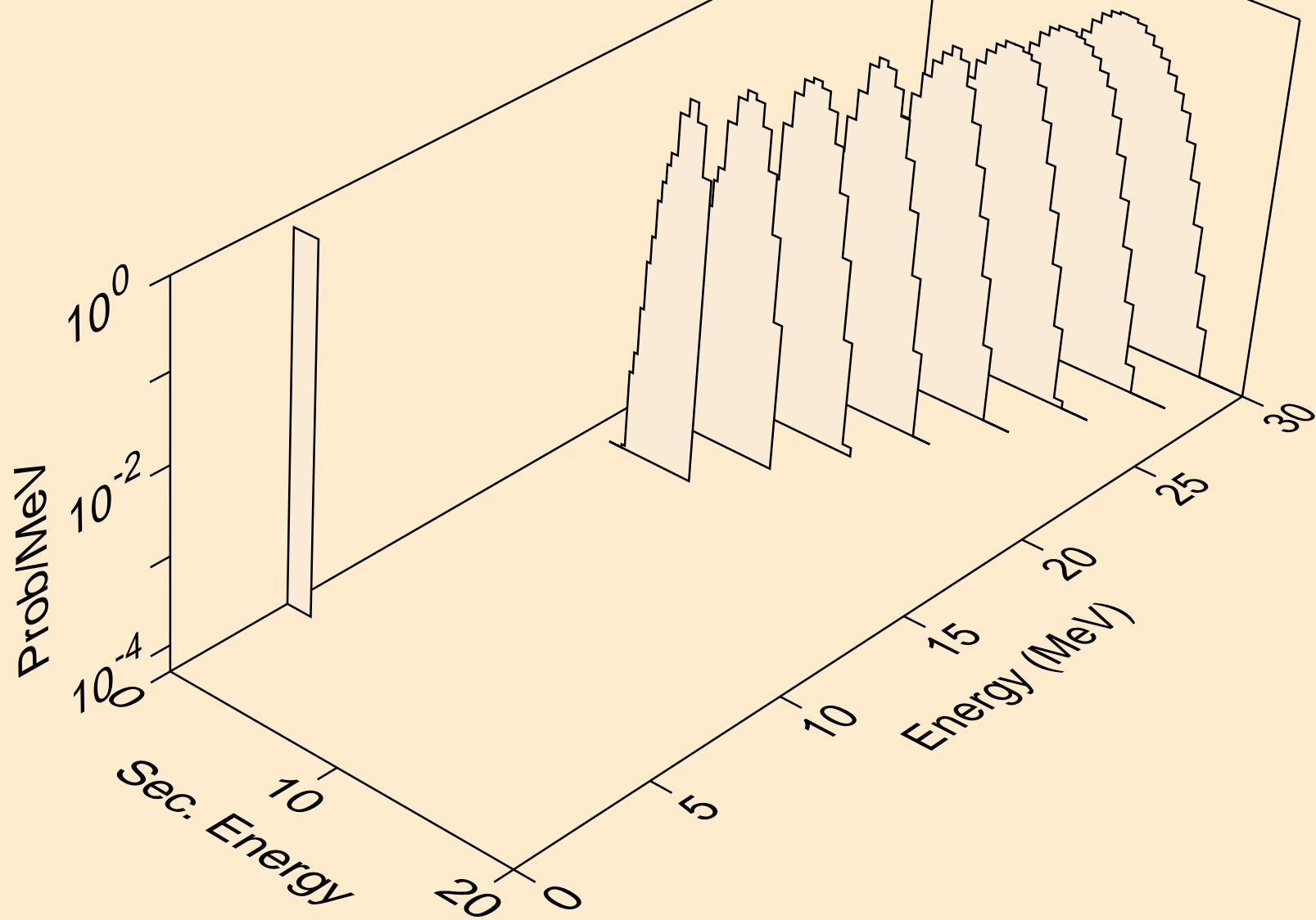


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deuterons from (p,pd)

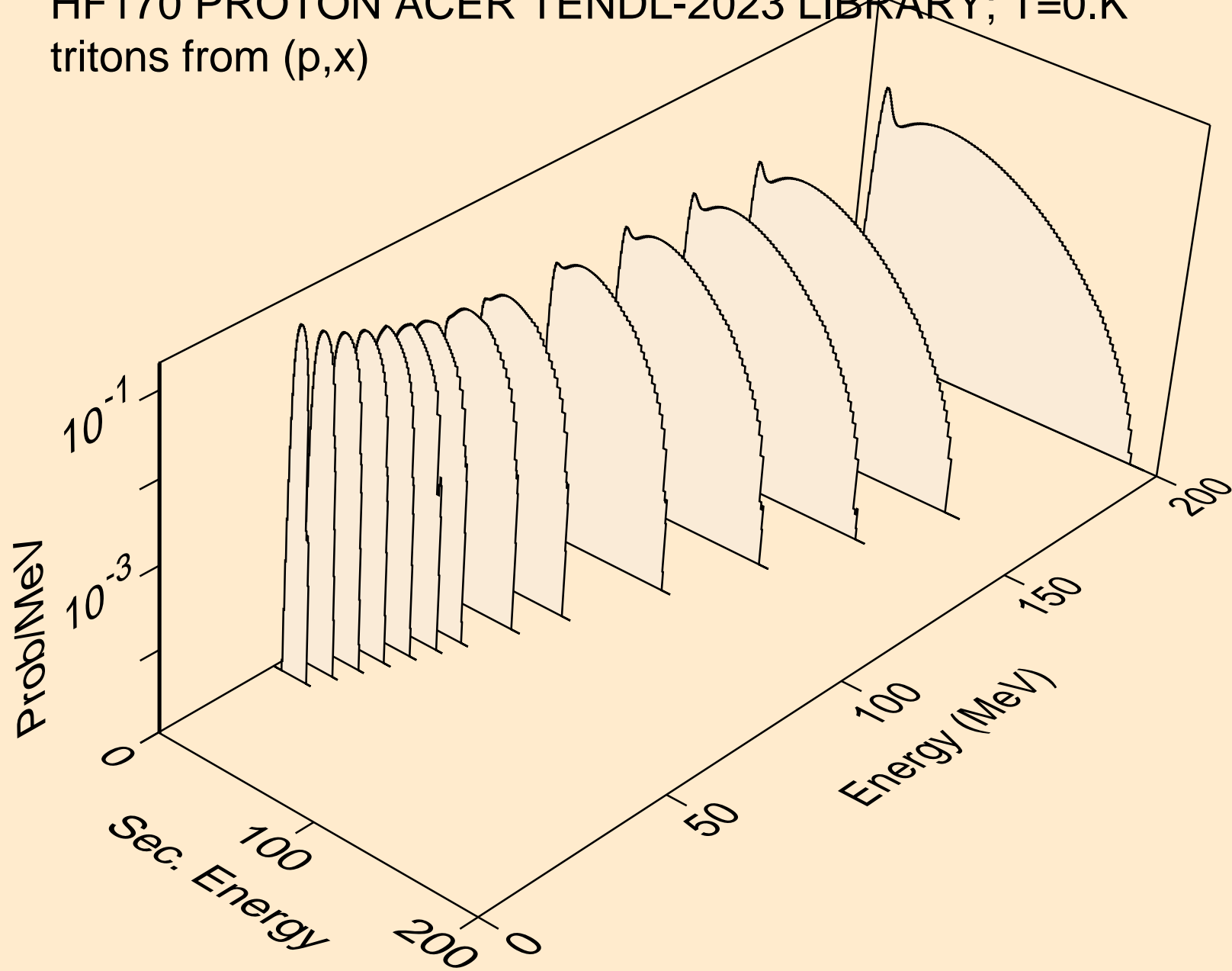




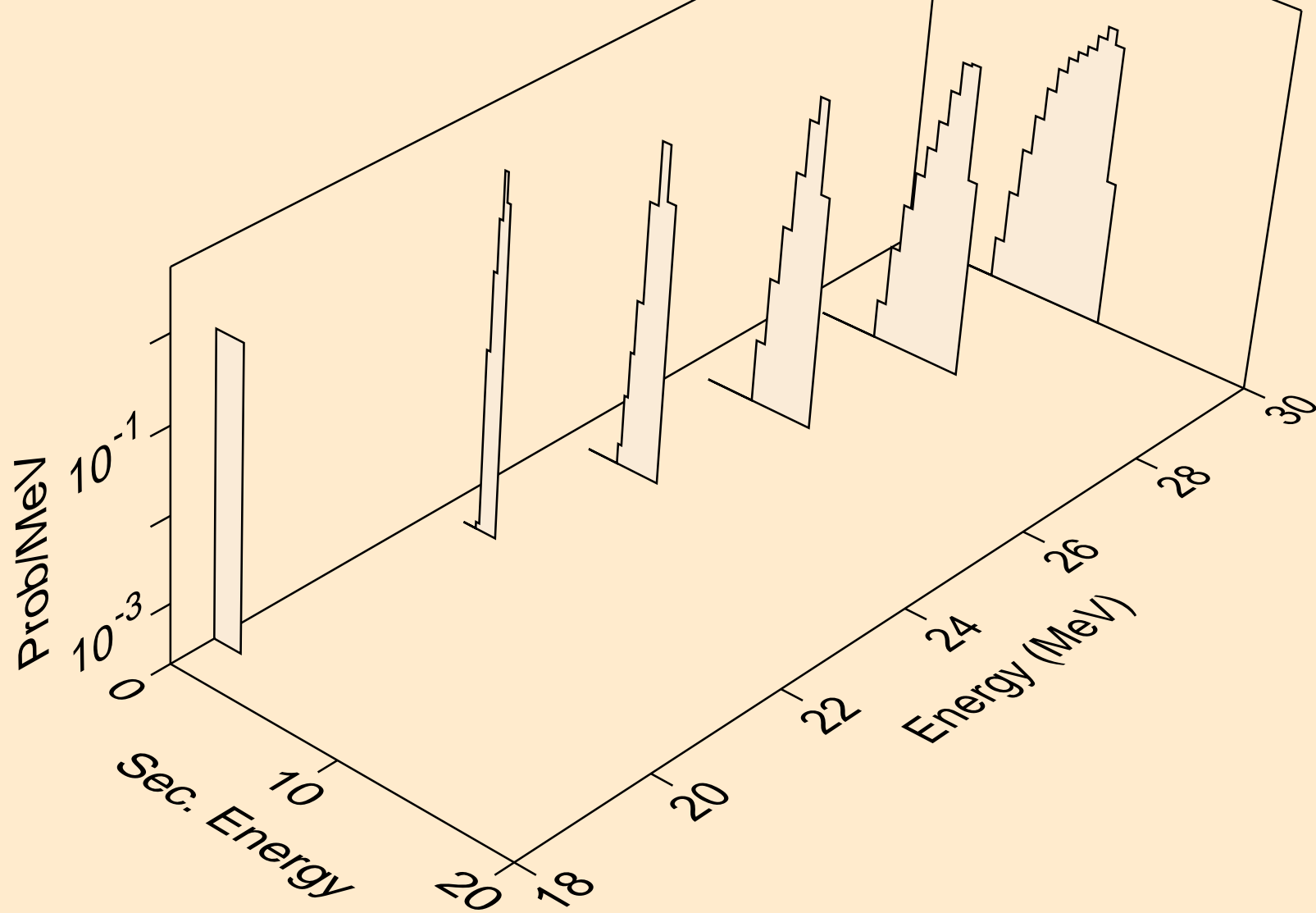
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,da)



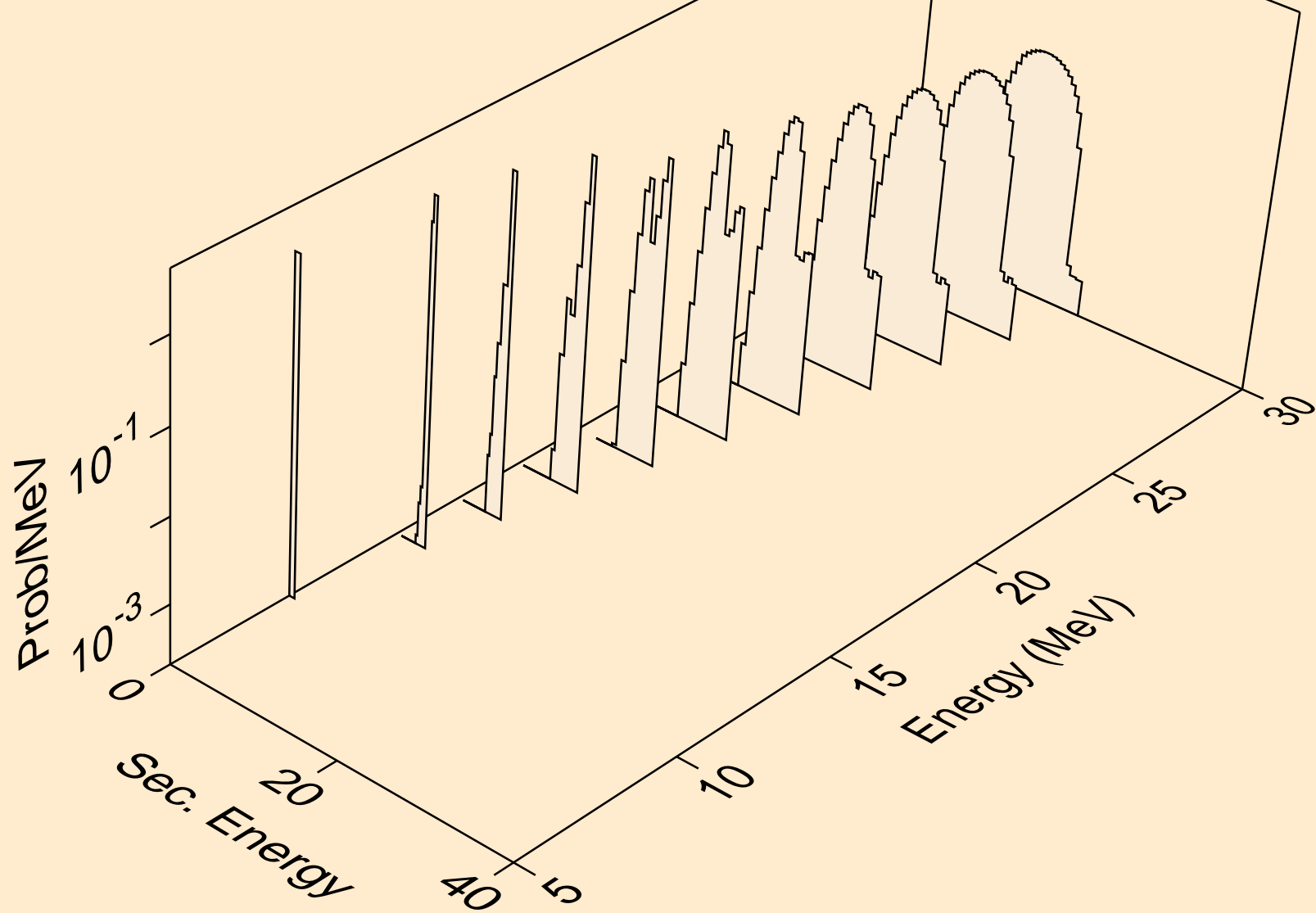
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)



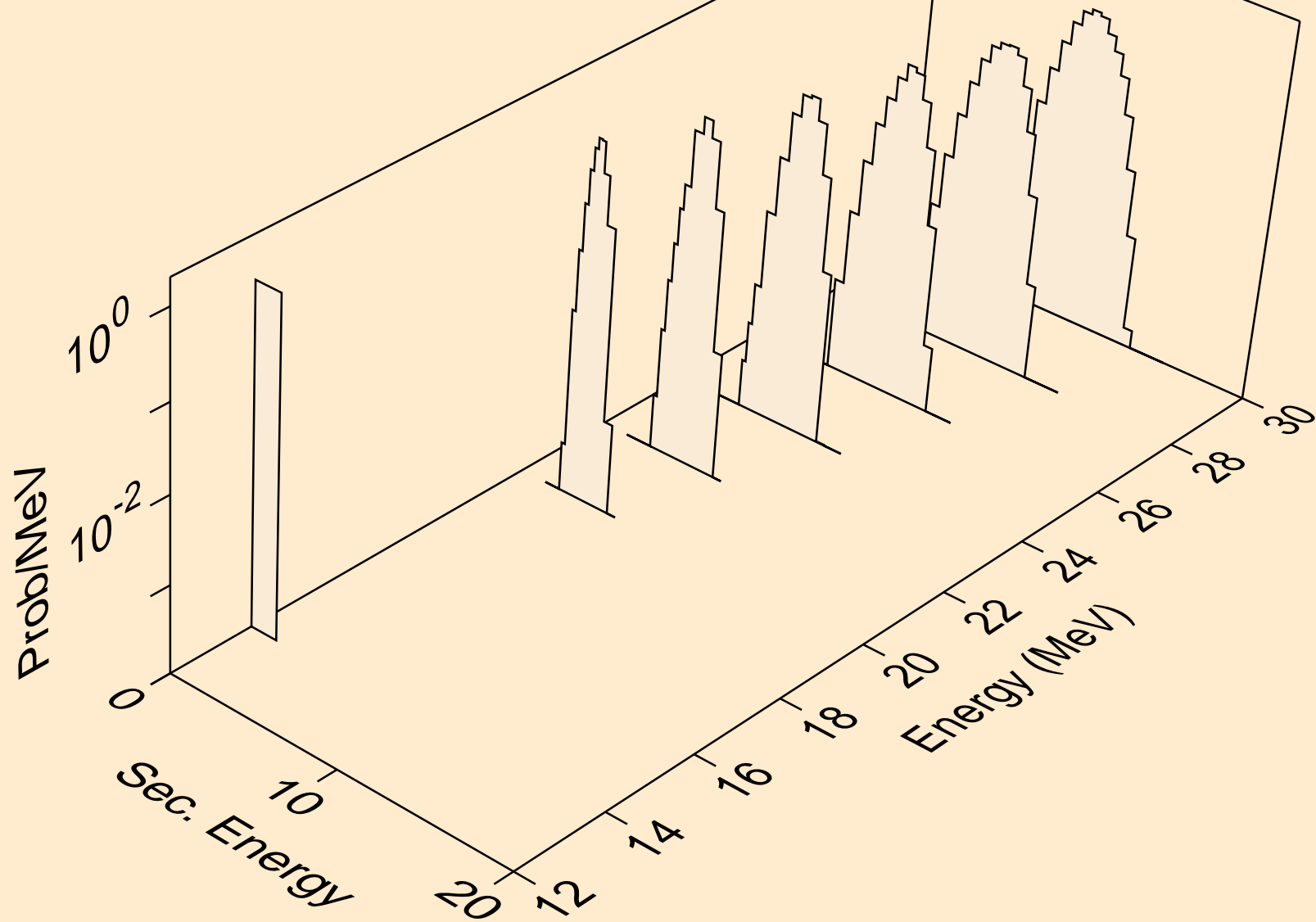
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,n\*)t



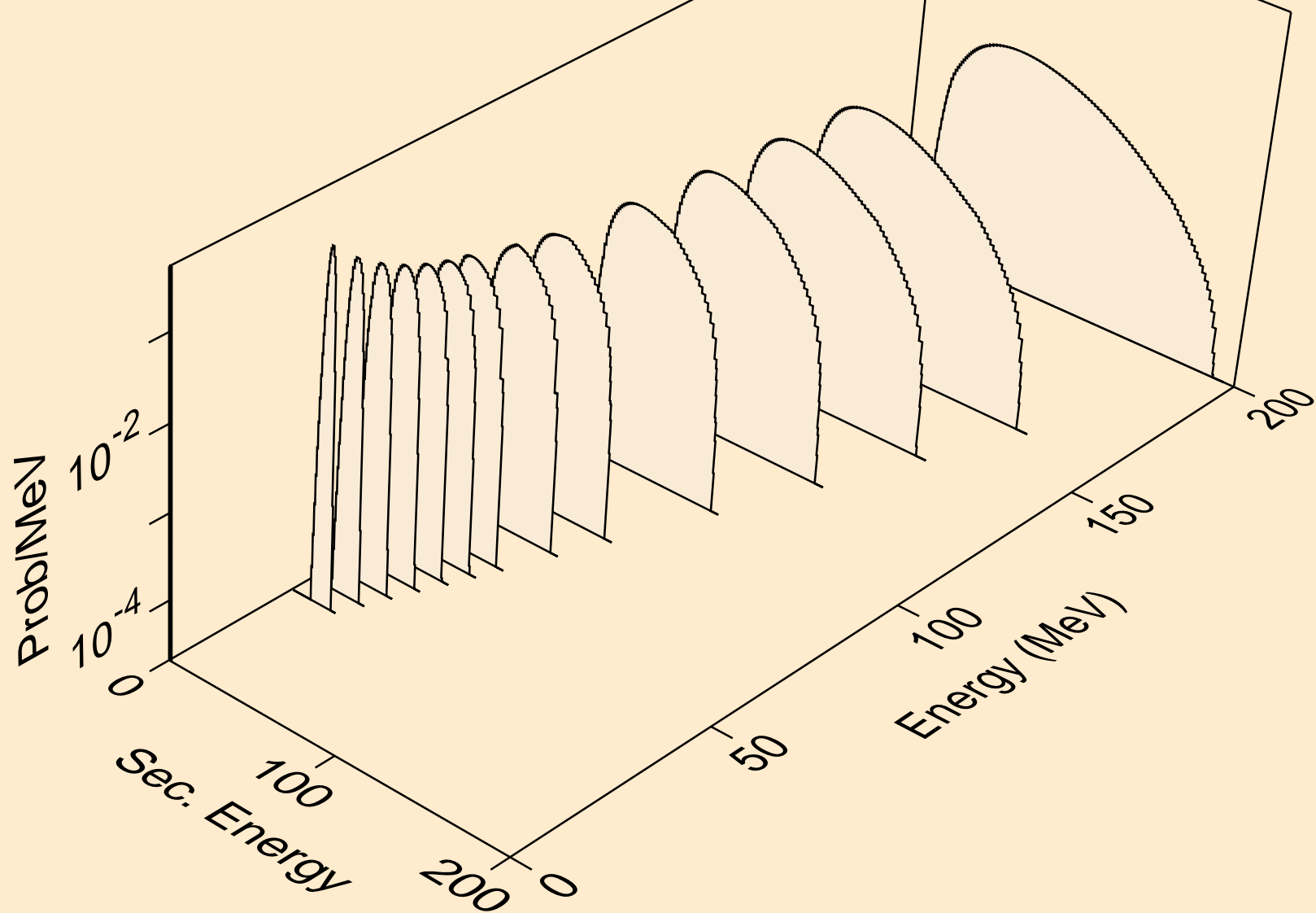
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tritons from (p,t)



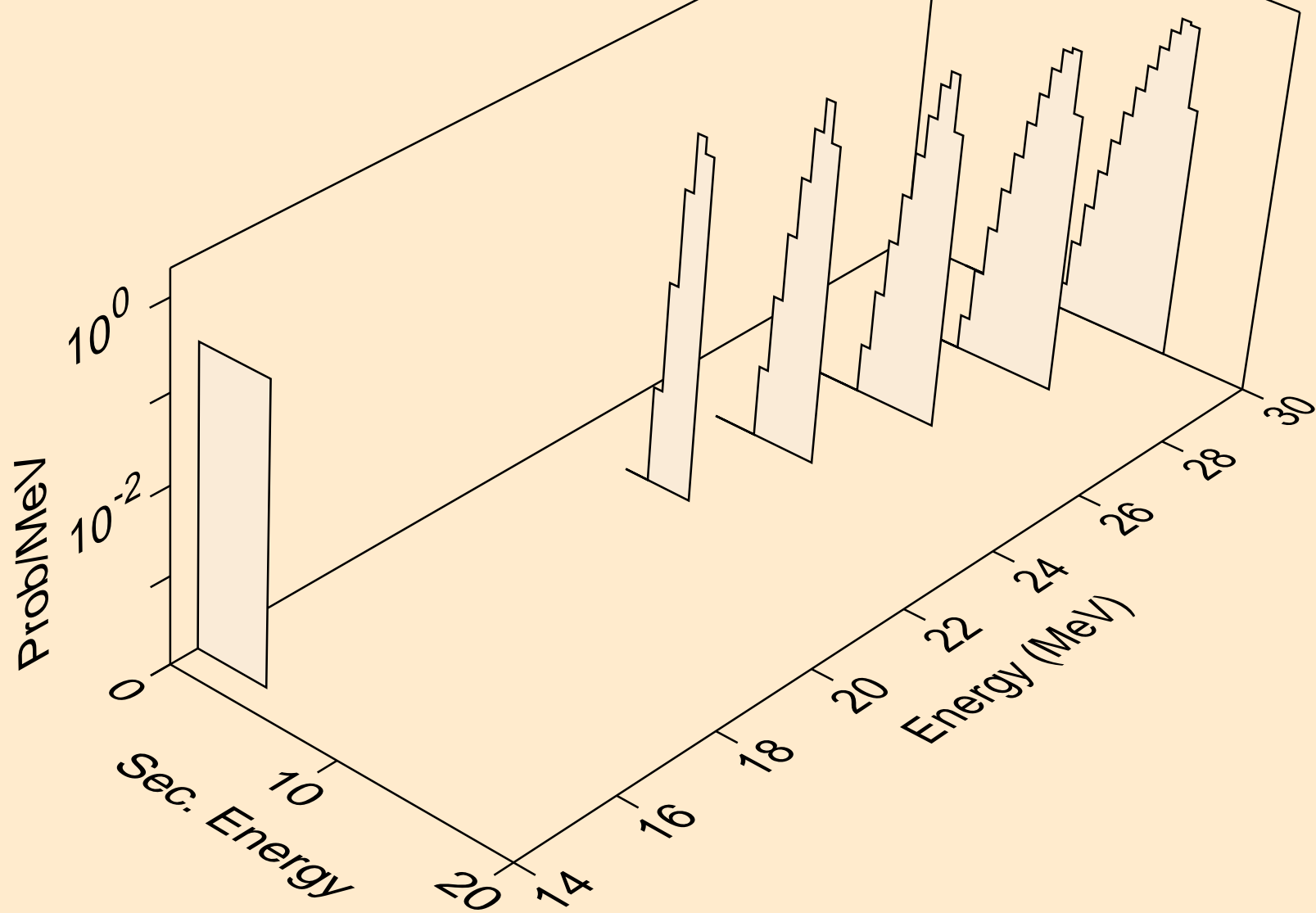
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,pt)



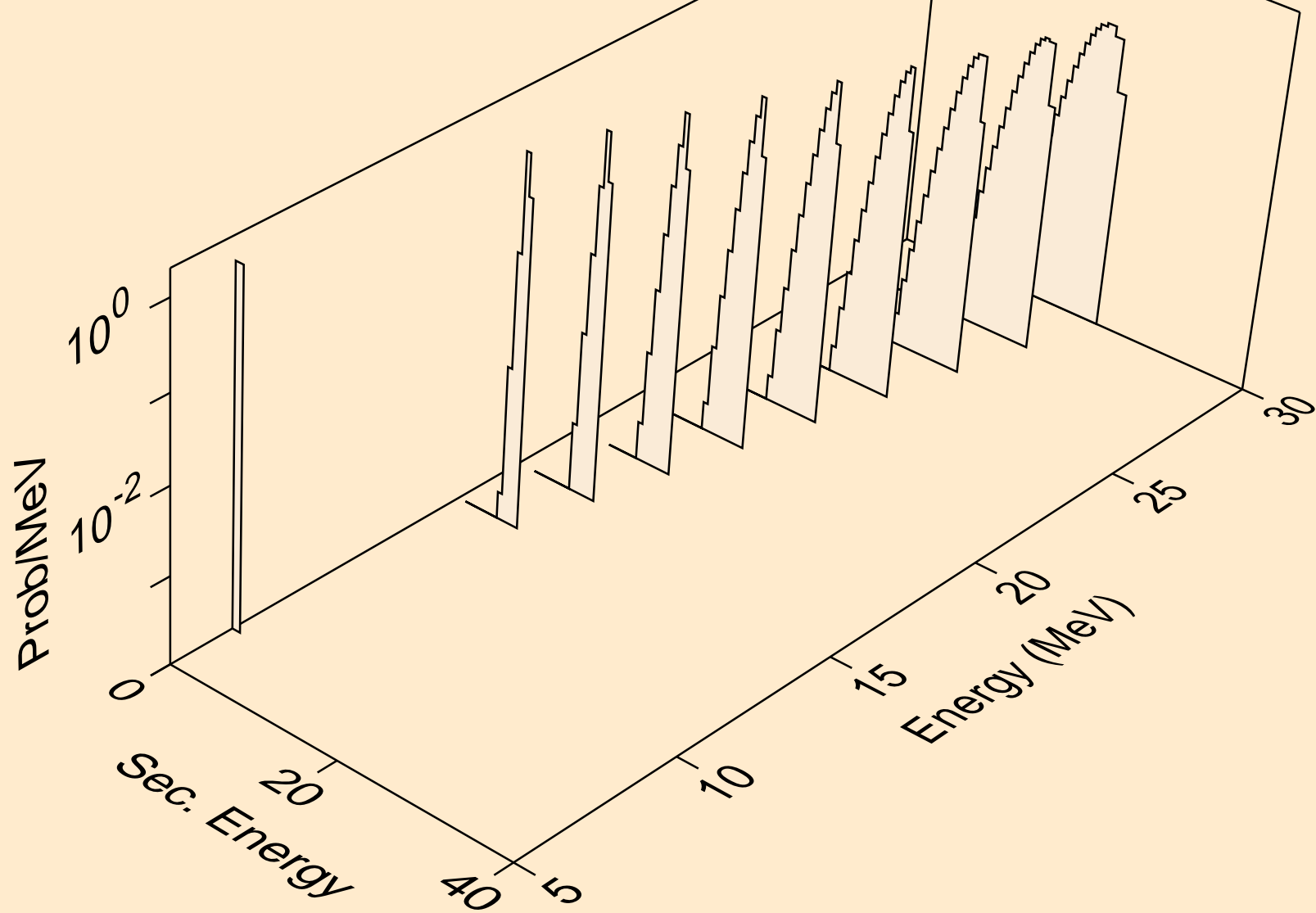
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)



HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3

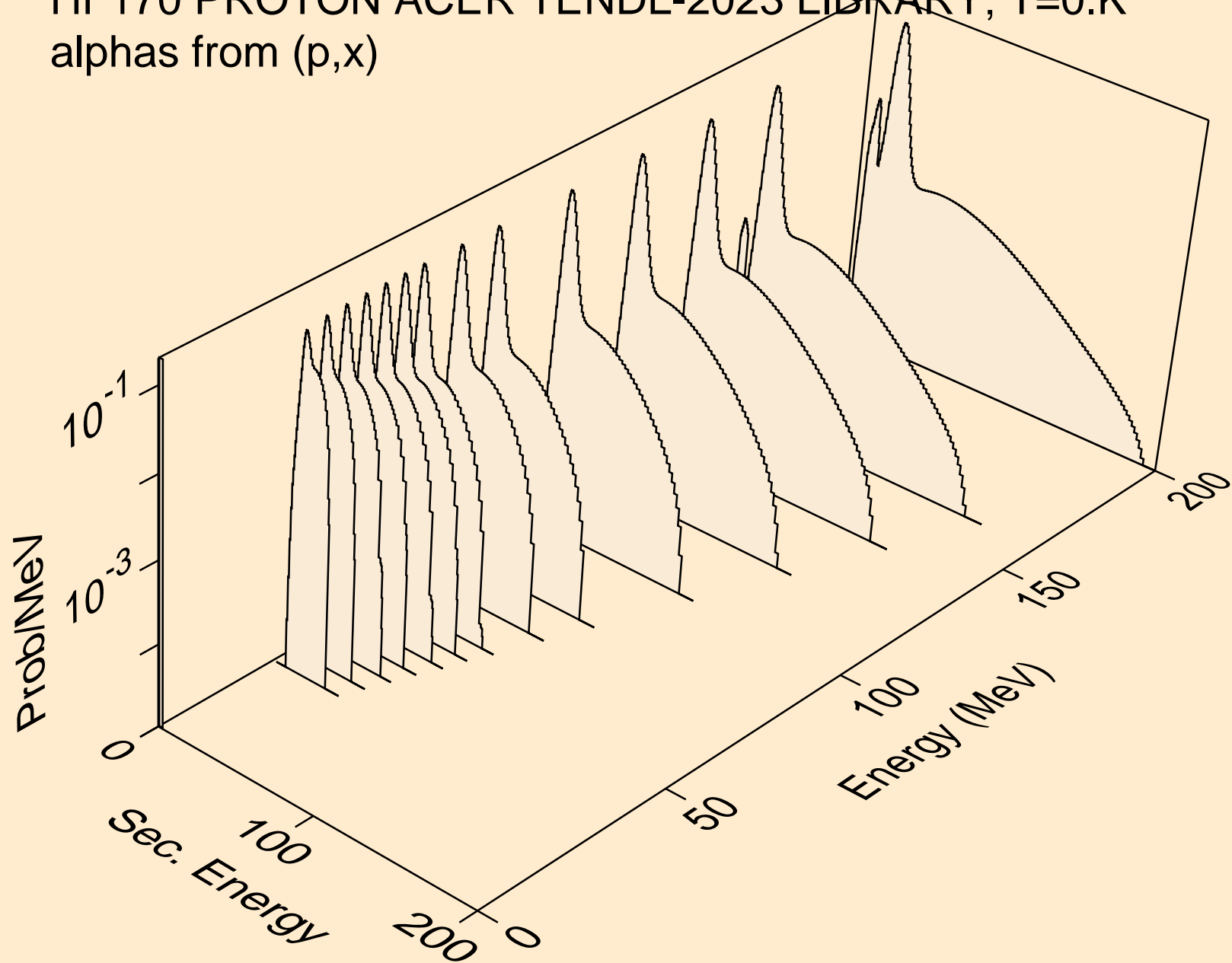


HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,he3)

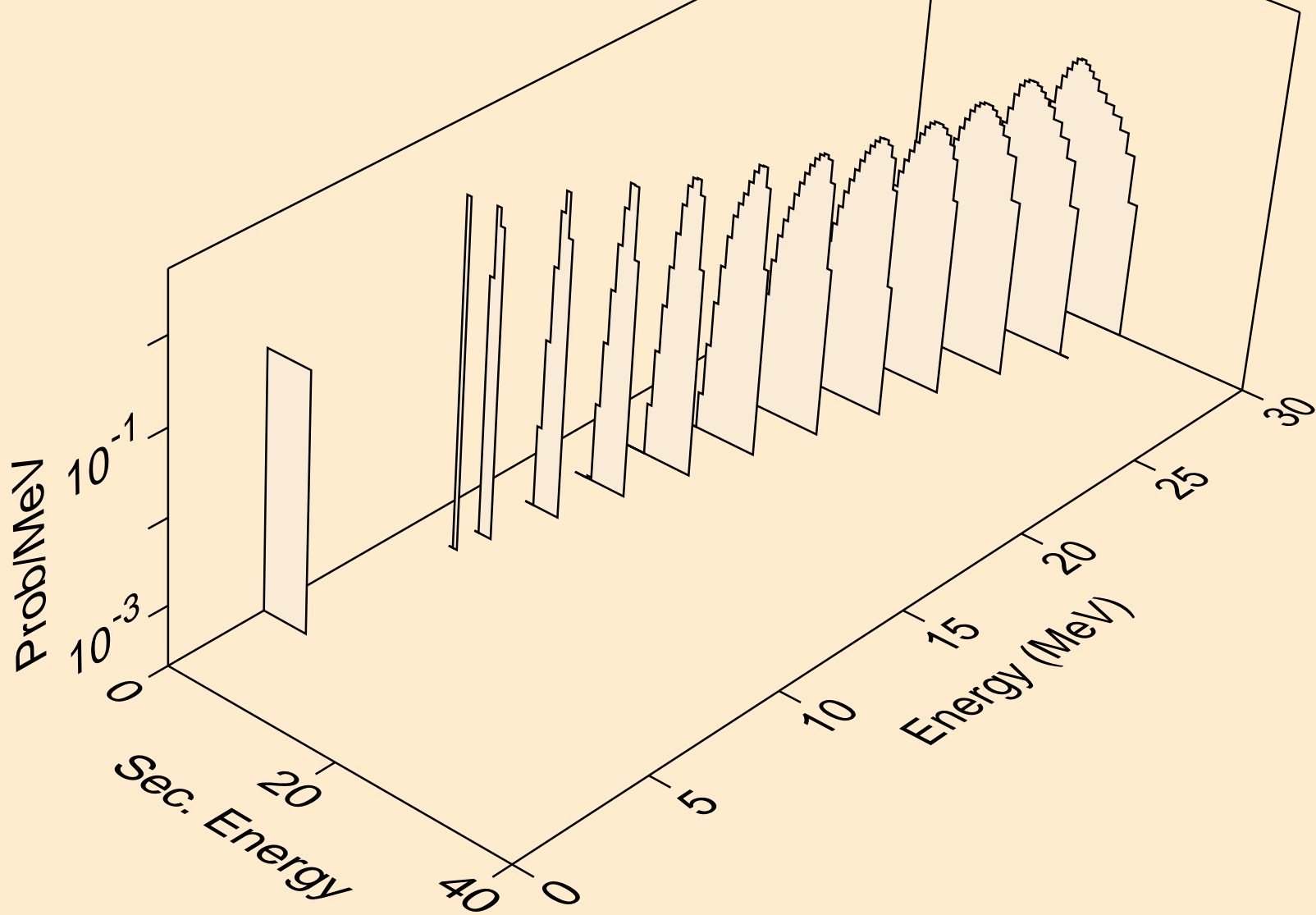




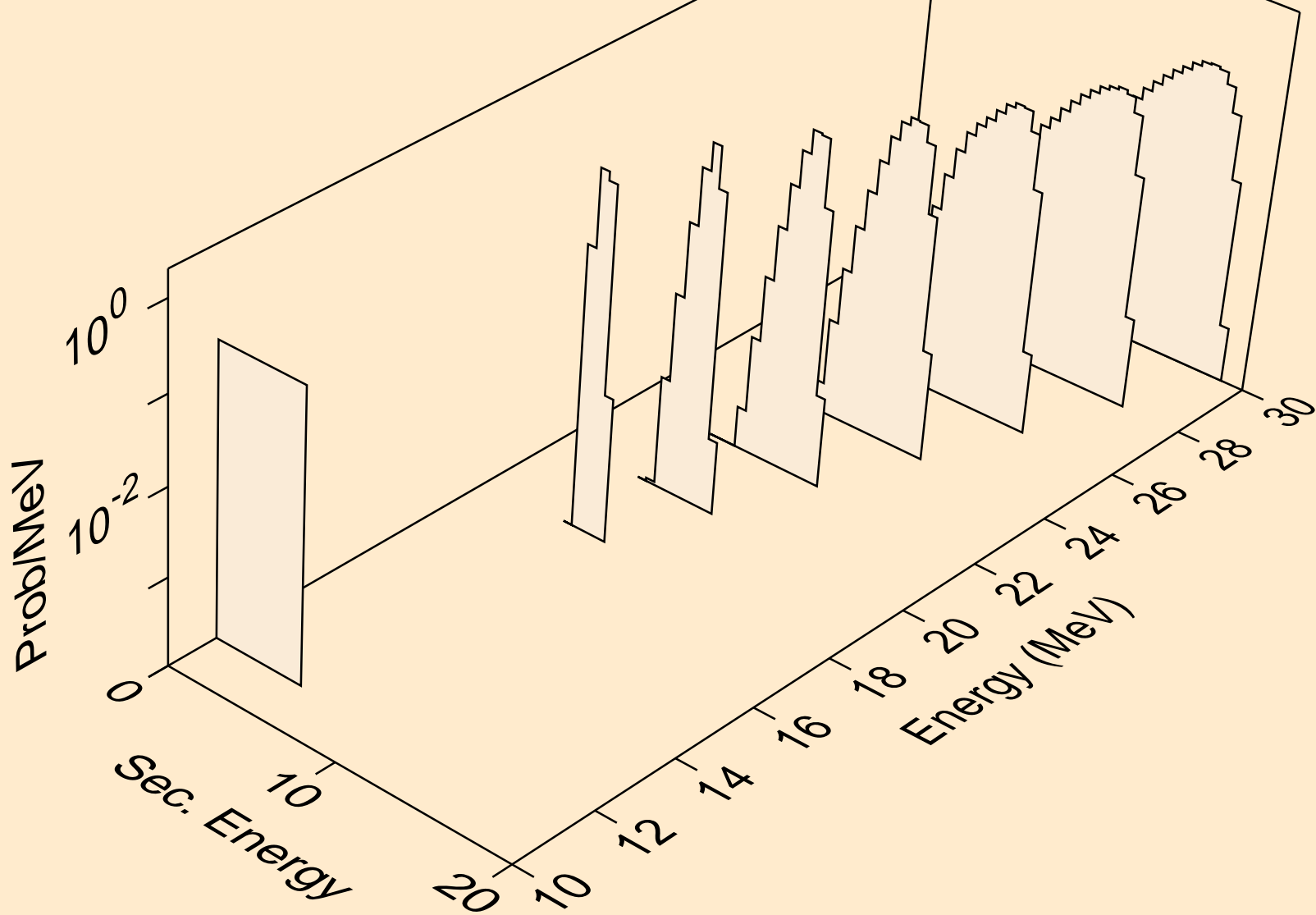
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)



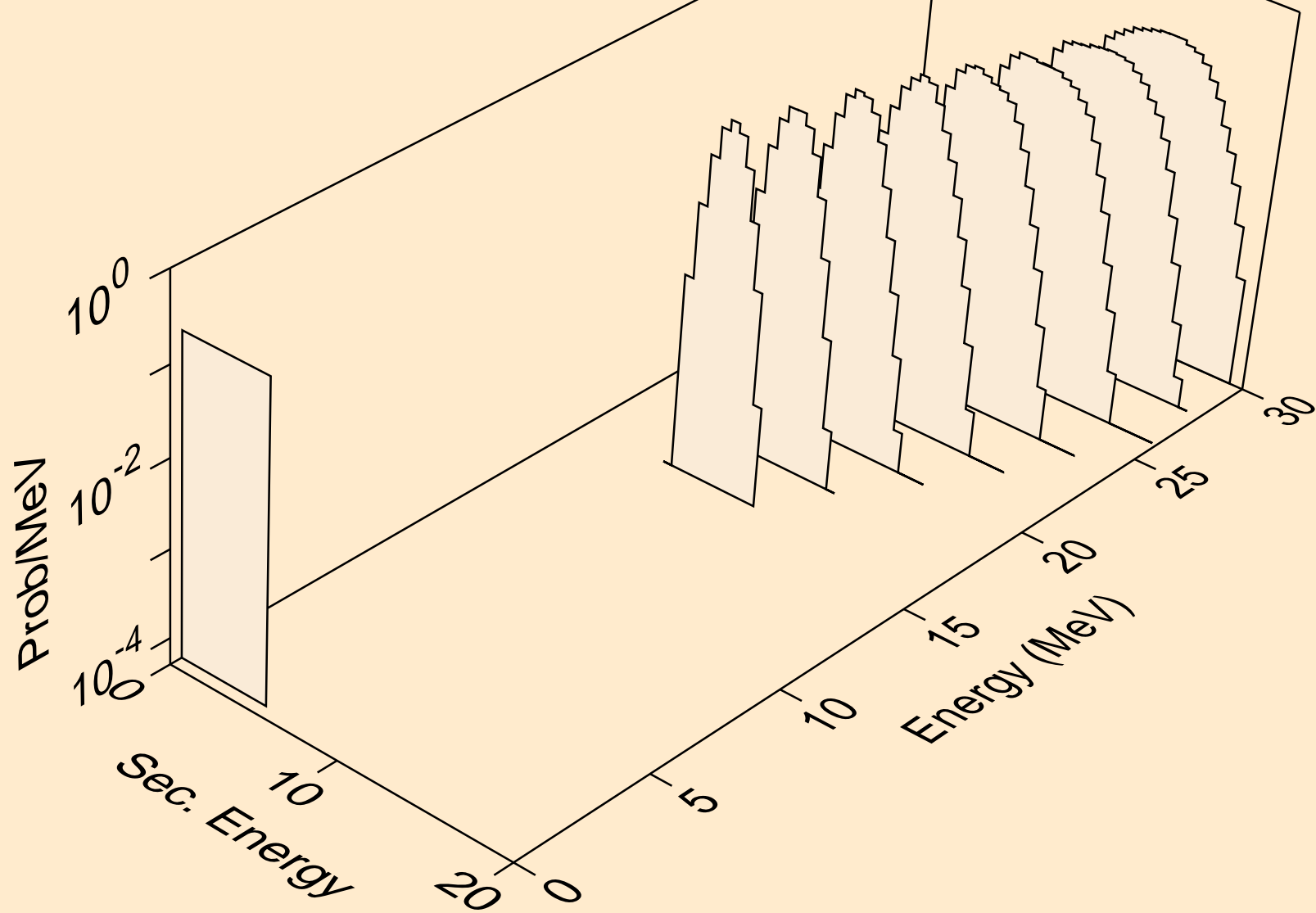
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a



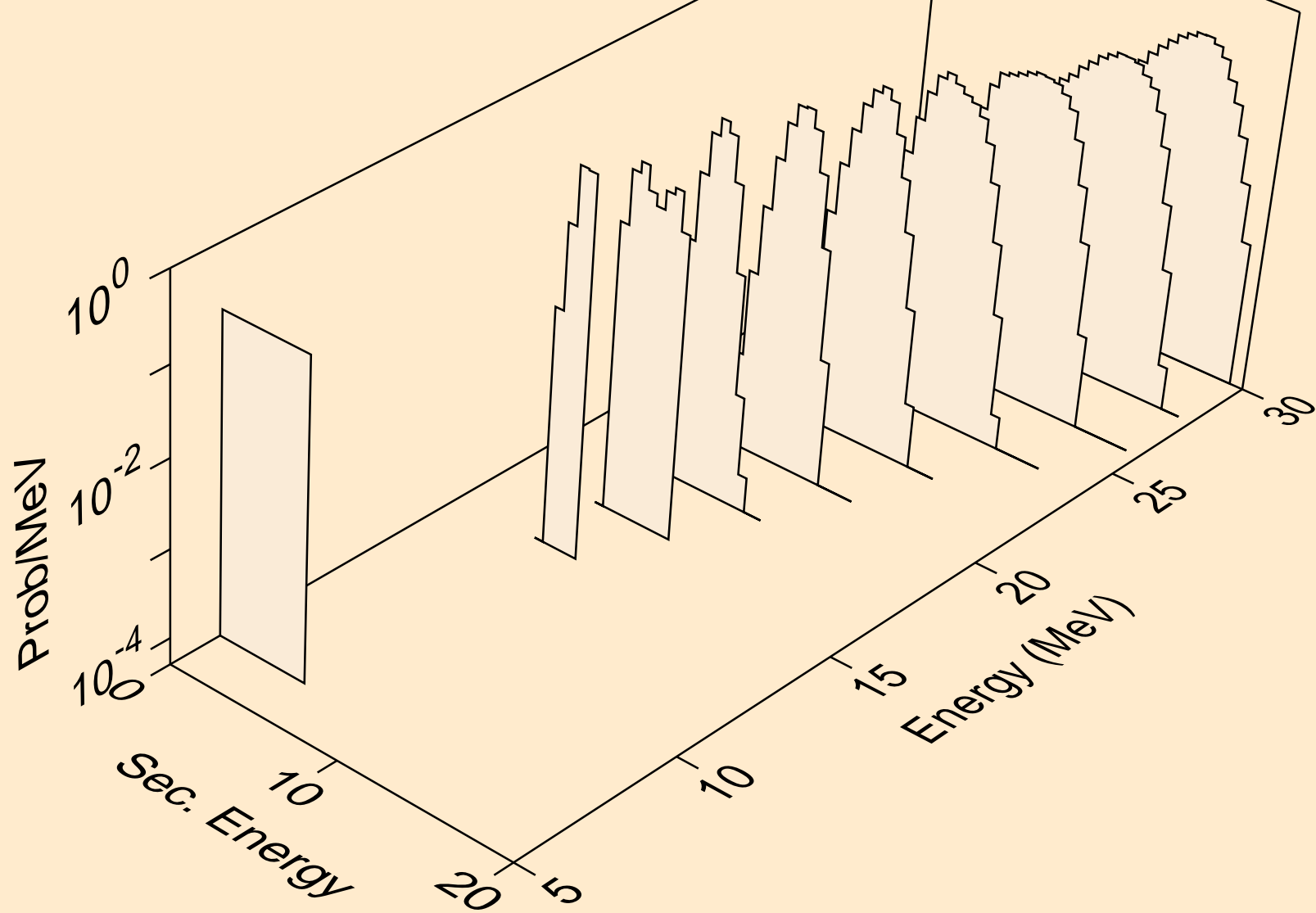
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)a



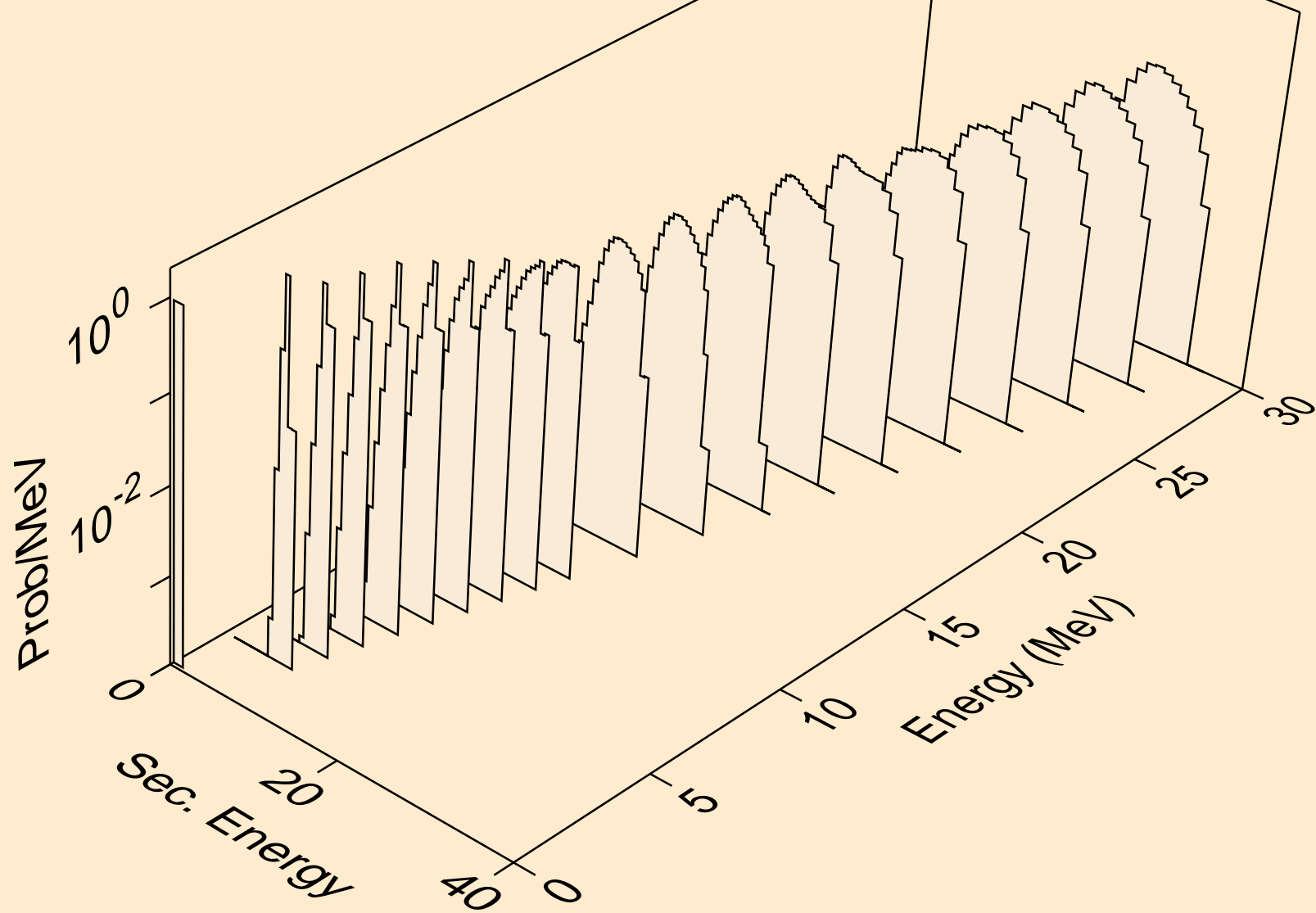
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)2a



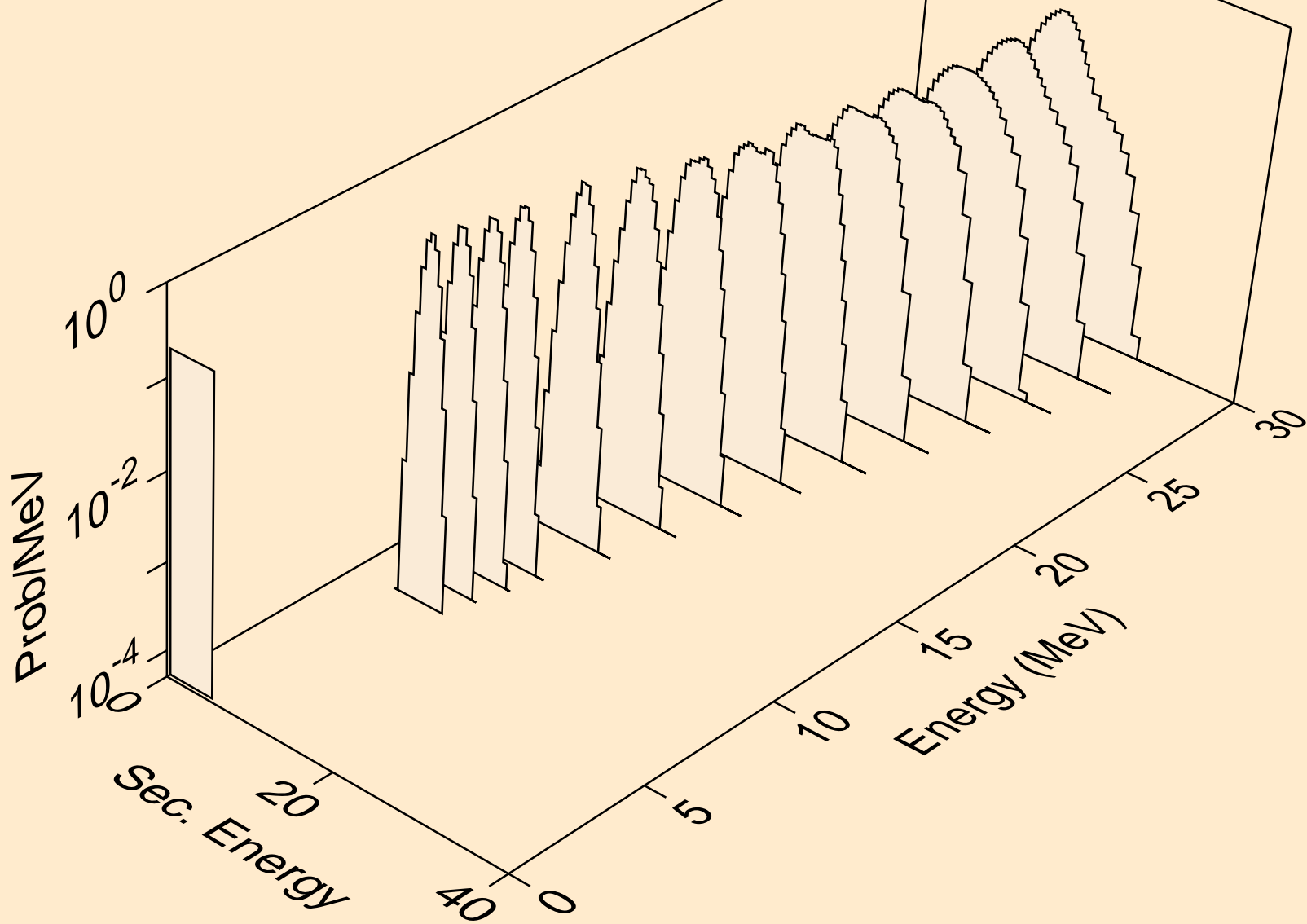
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,npa)



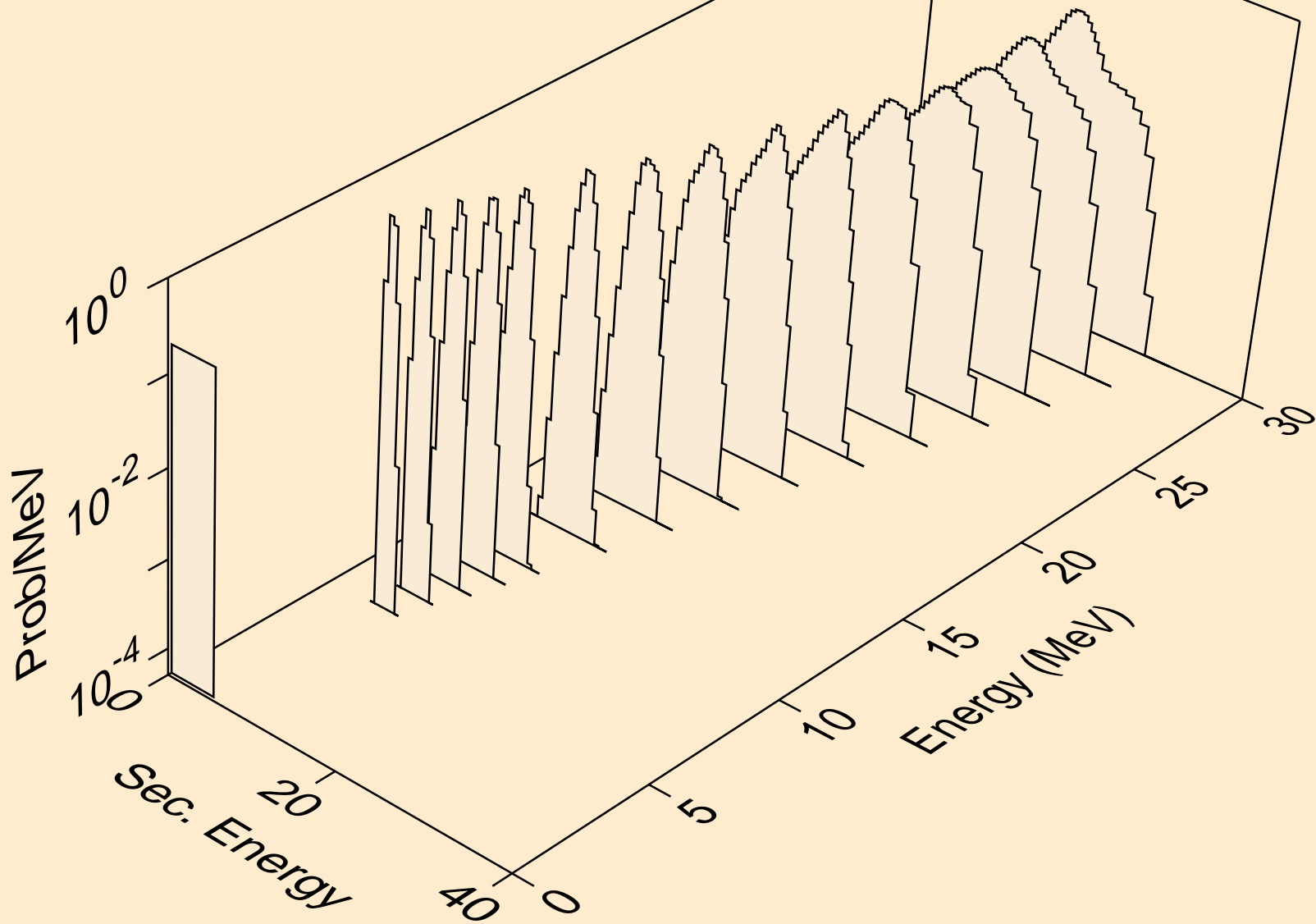
HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)



HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2a)



HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)





HF170 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,da)

