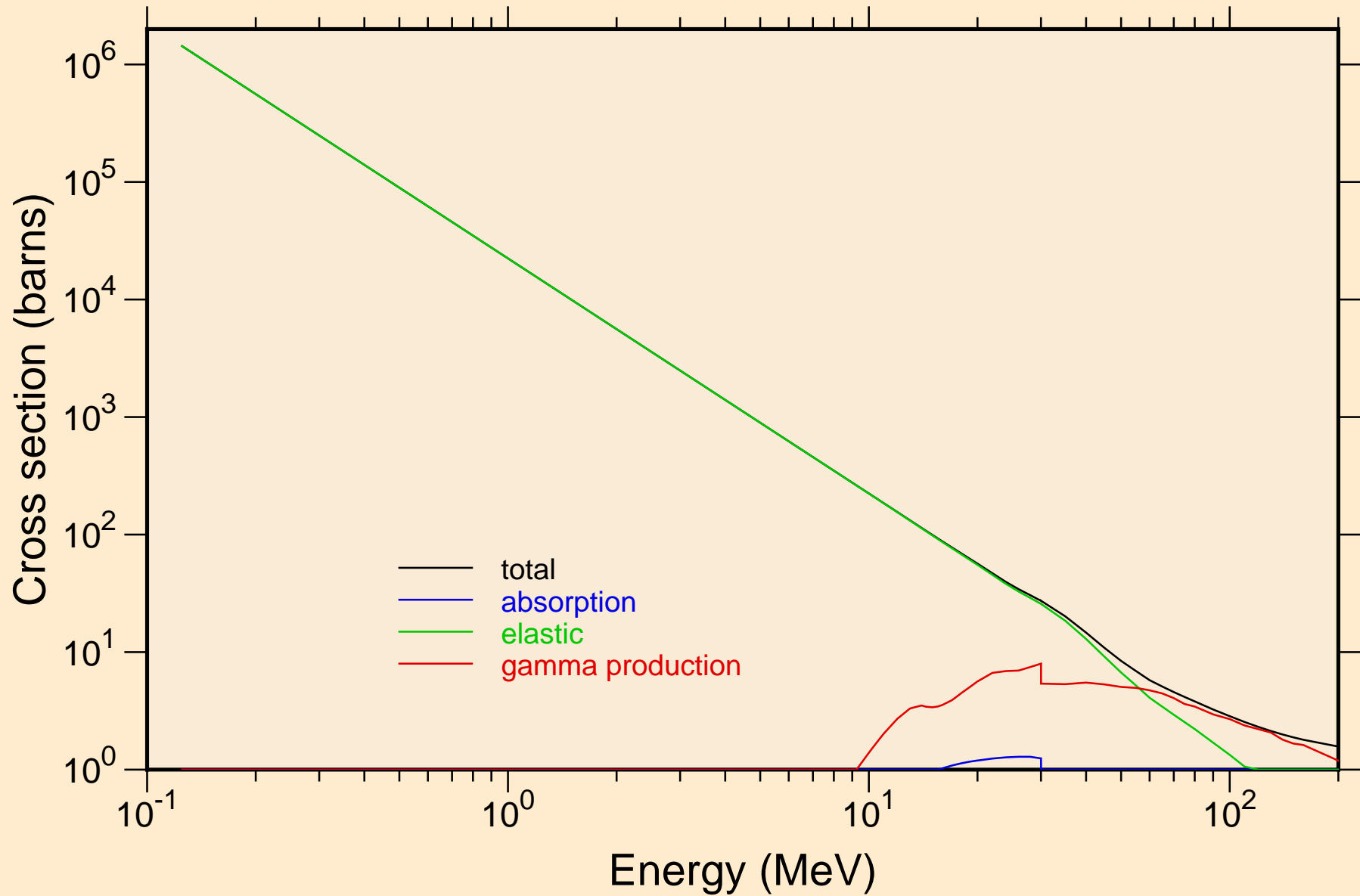
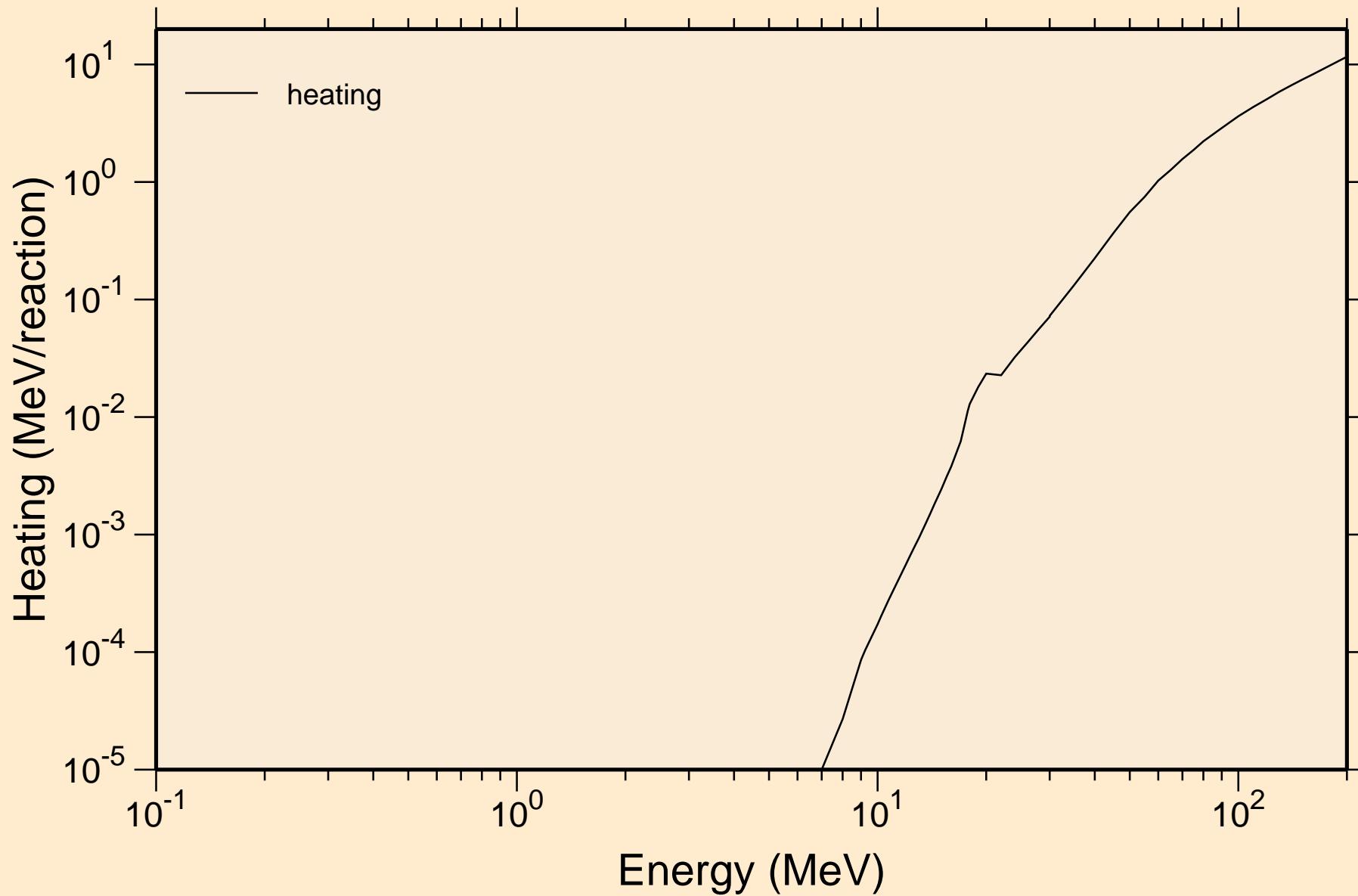


# ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections

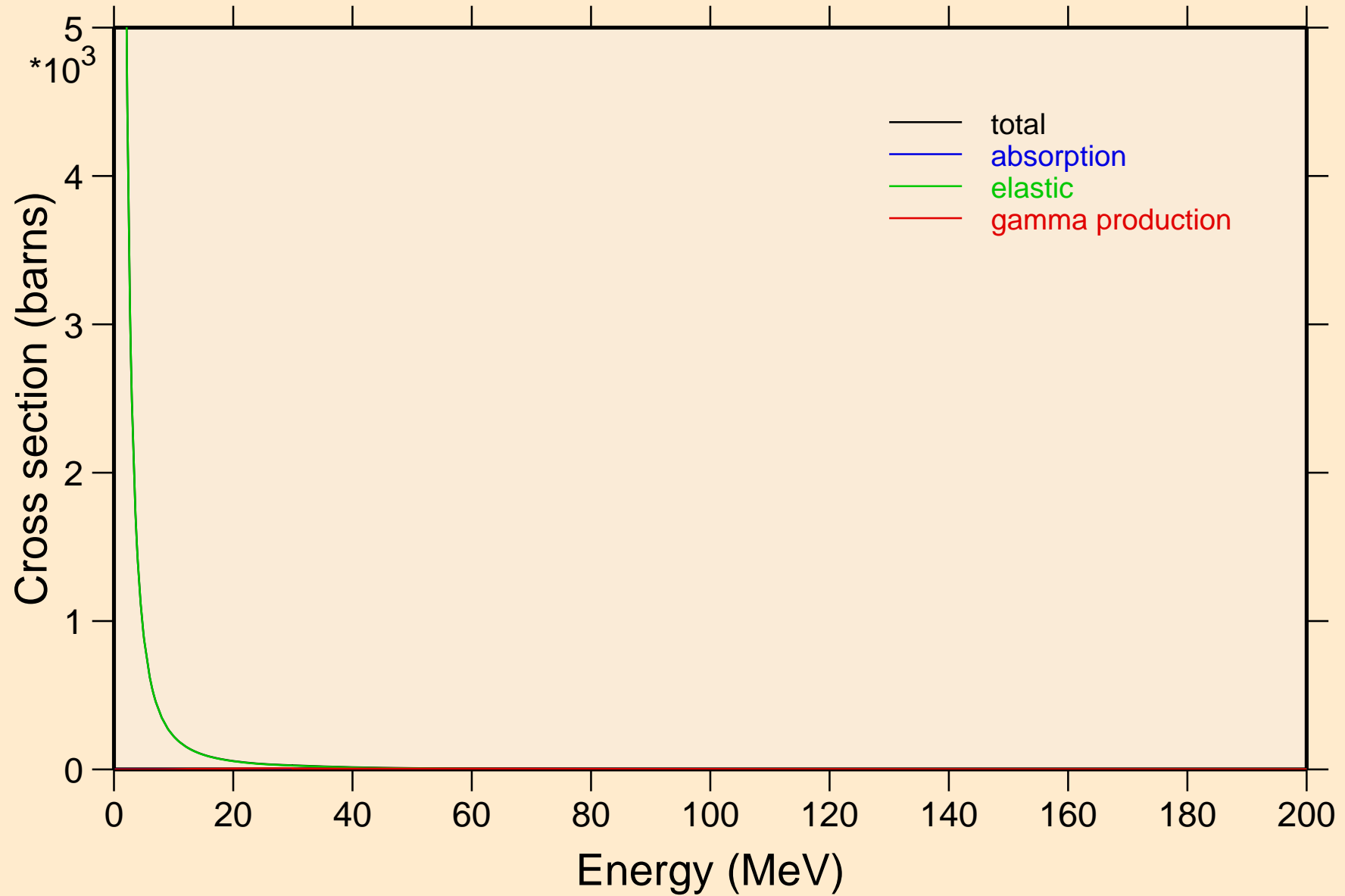


ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Heating



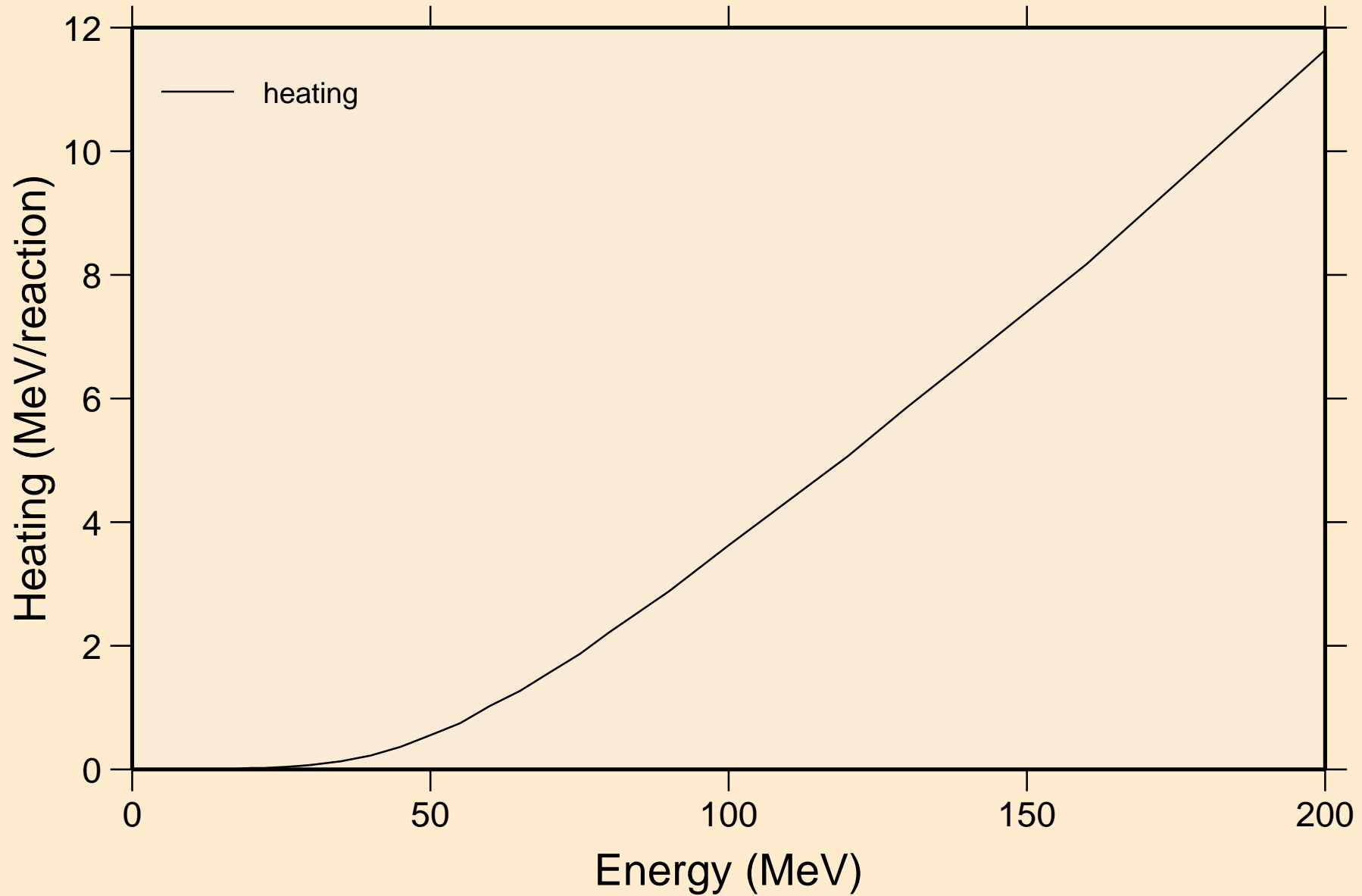
# ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



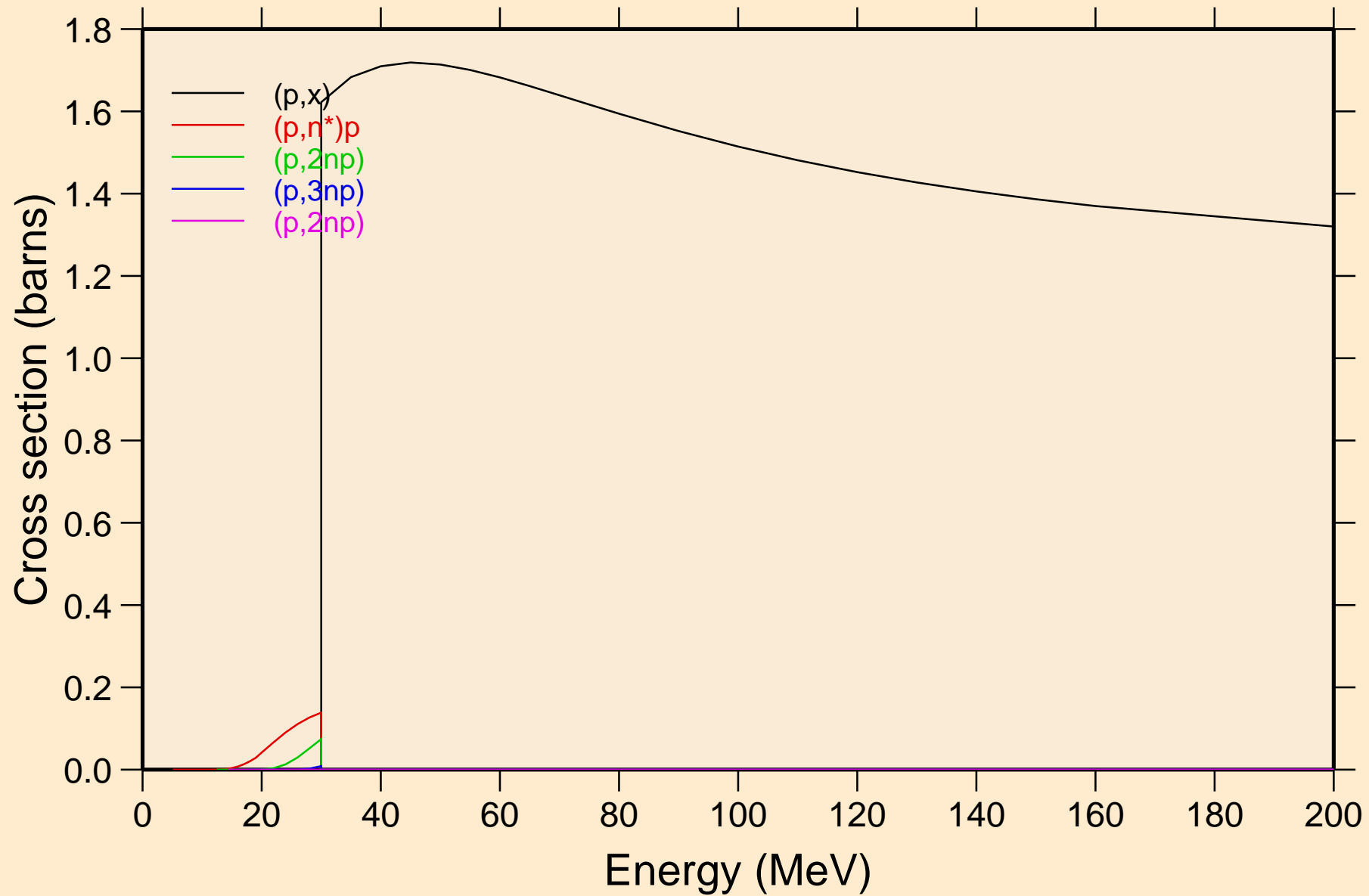
# ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Heating



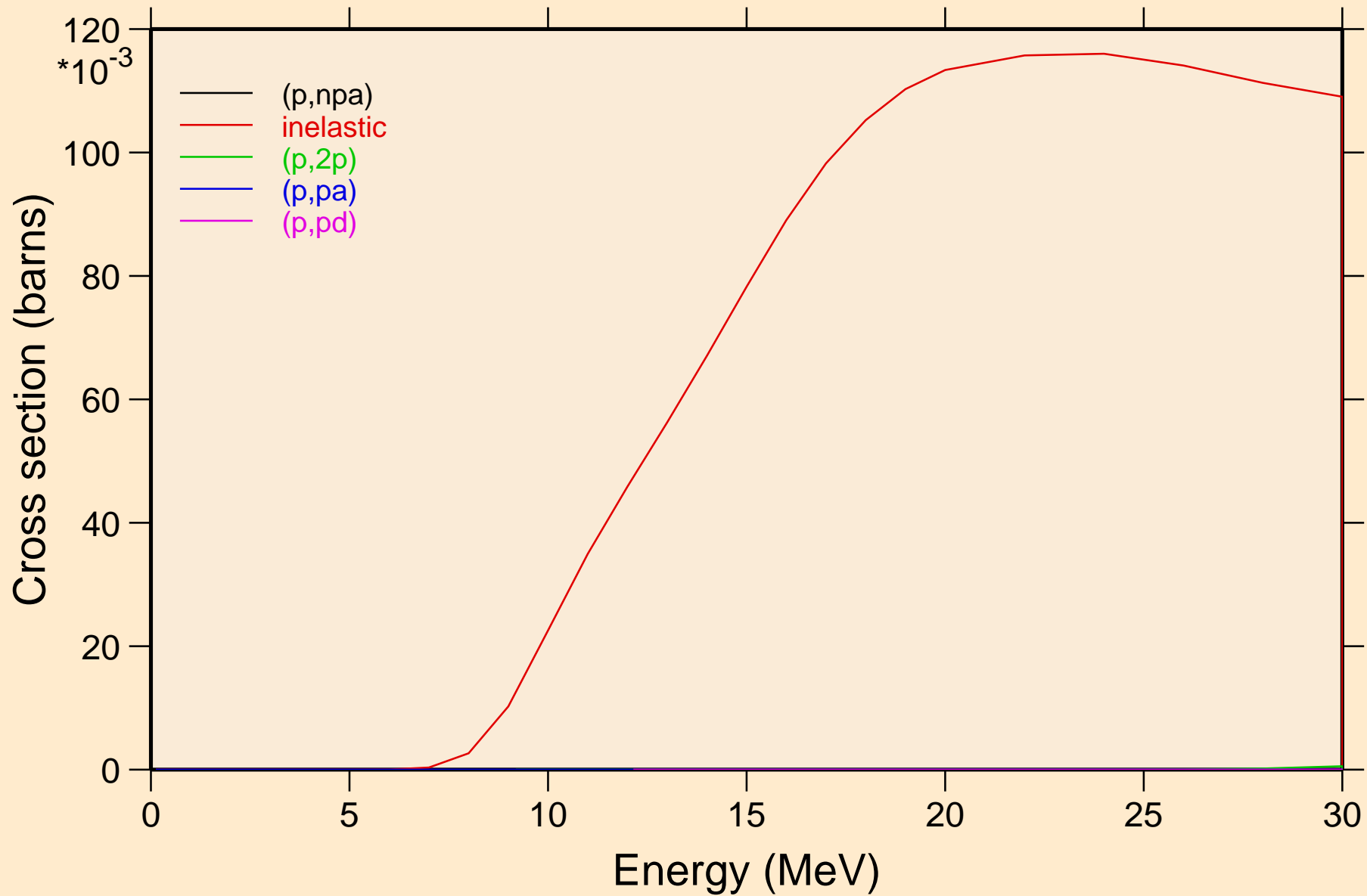
# ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Threshold reactions

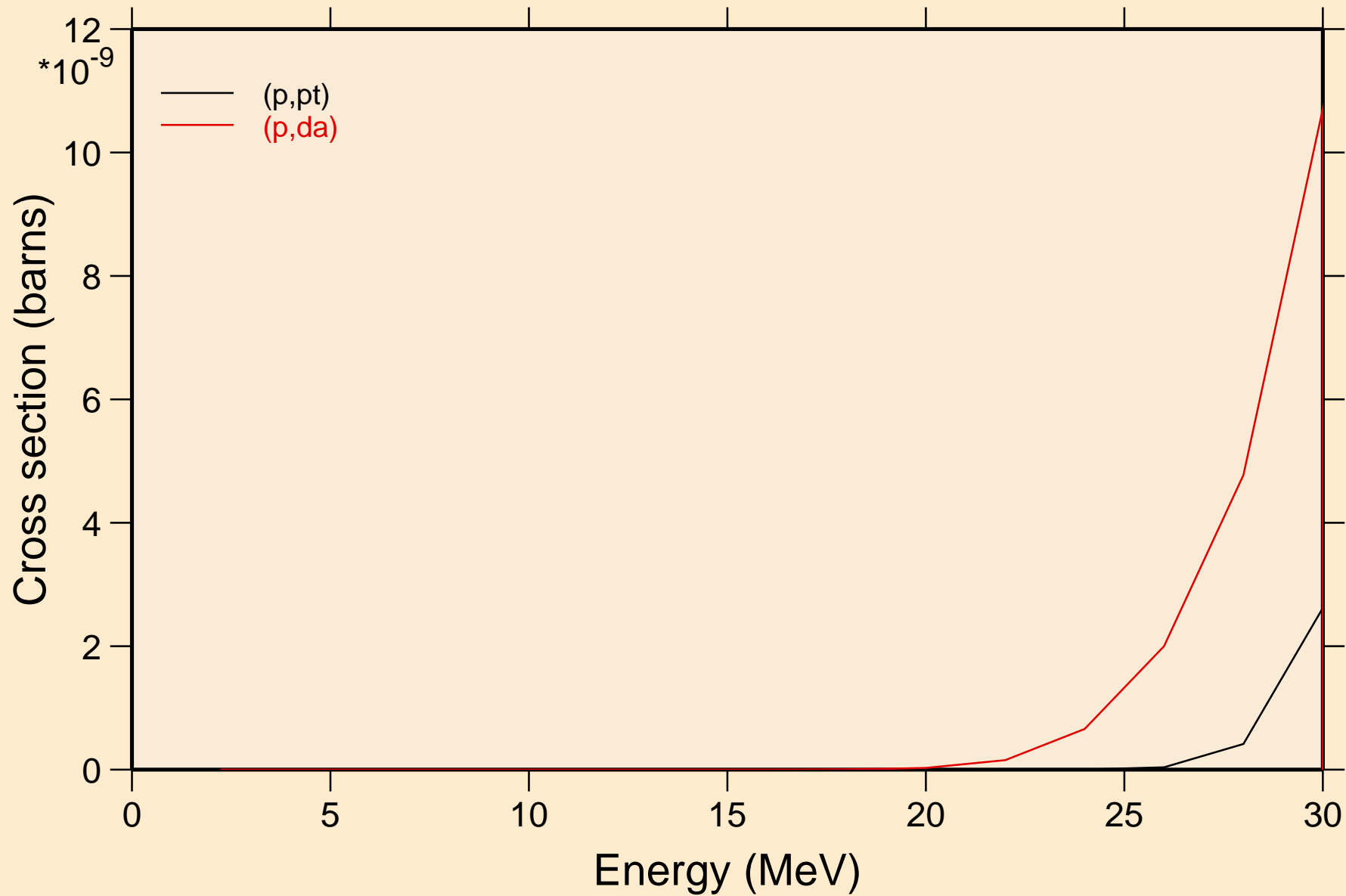


# ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K

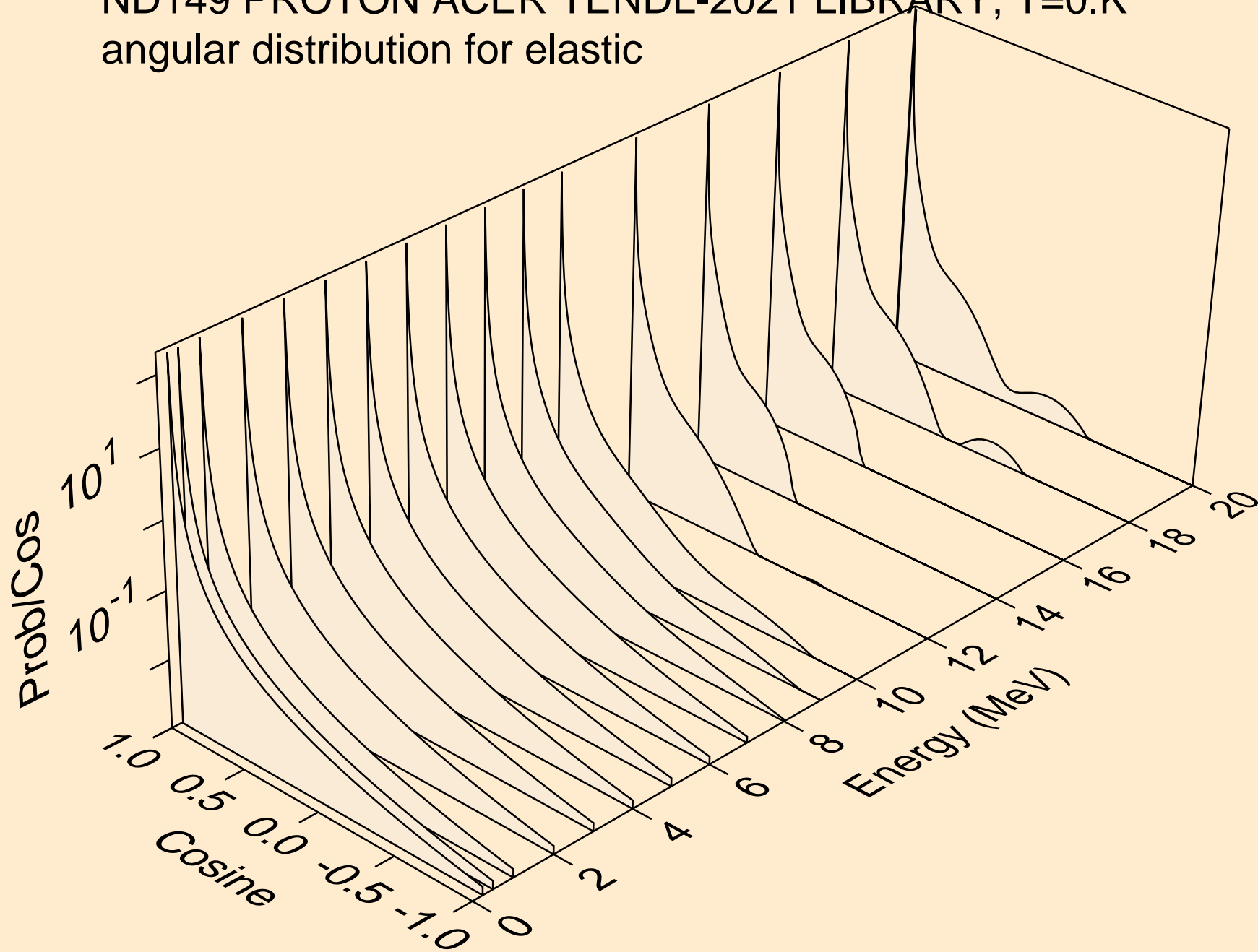
## Threshold reactions



ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

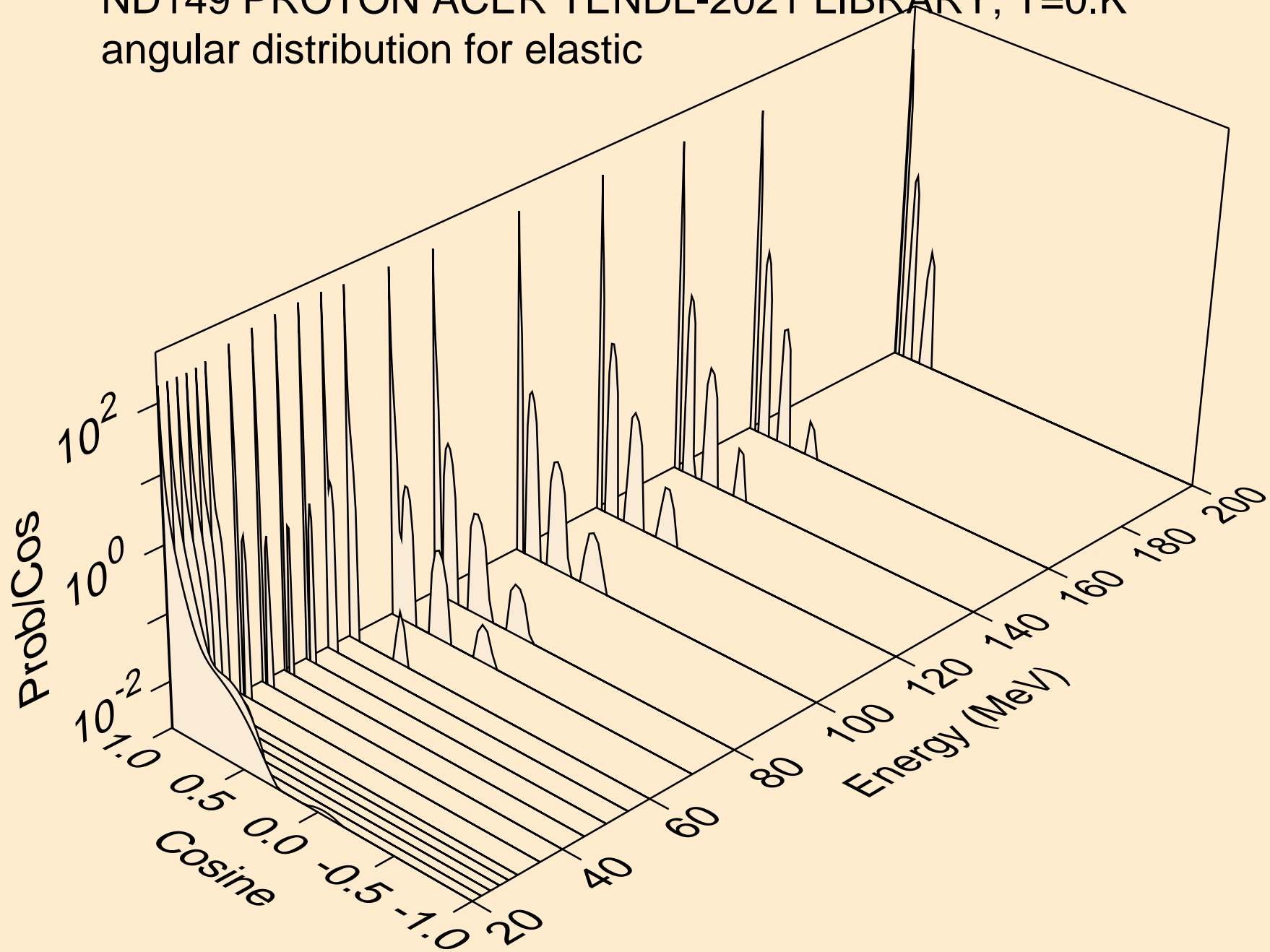


ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic

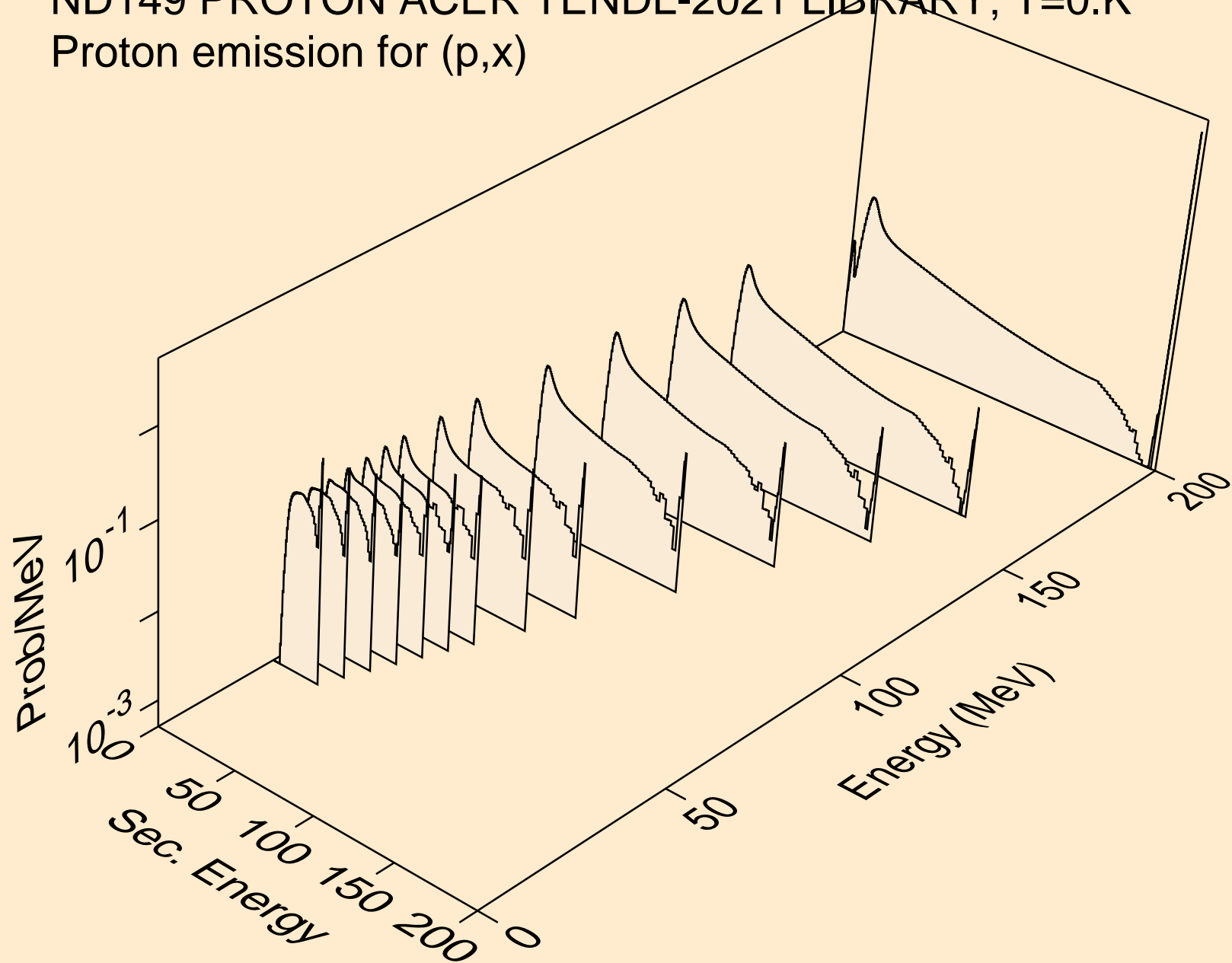




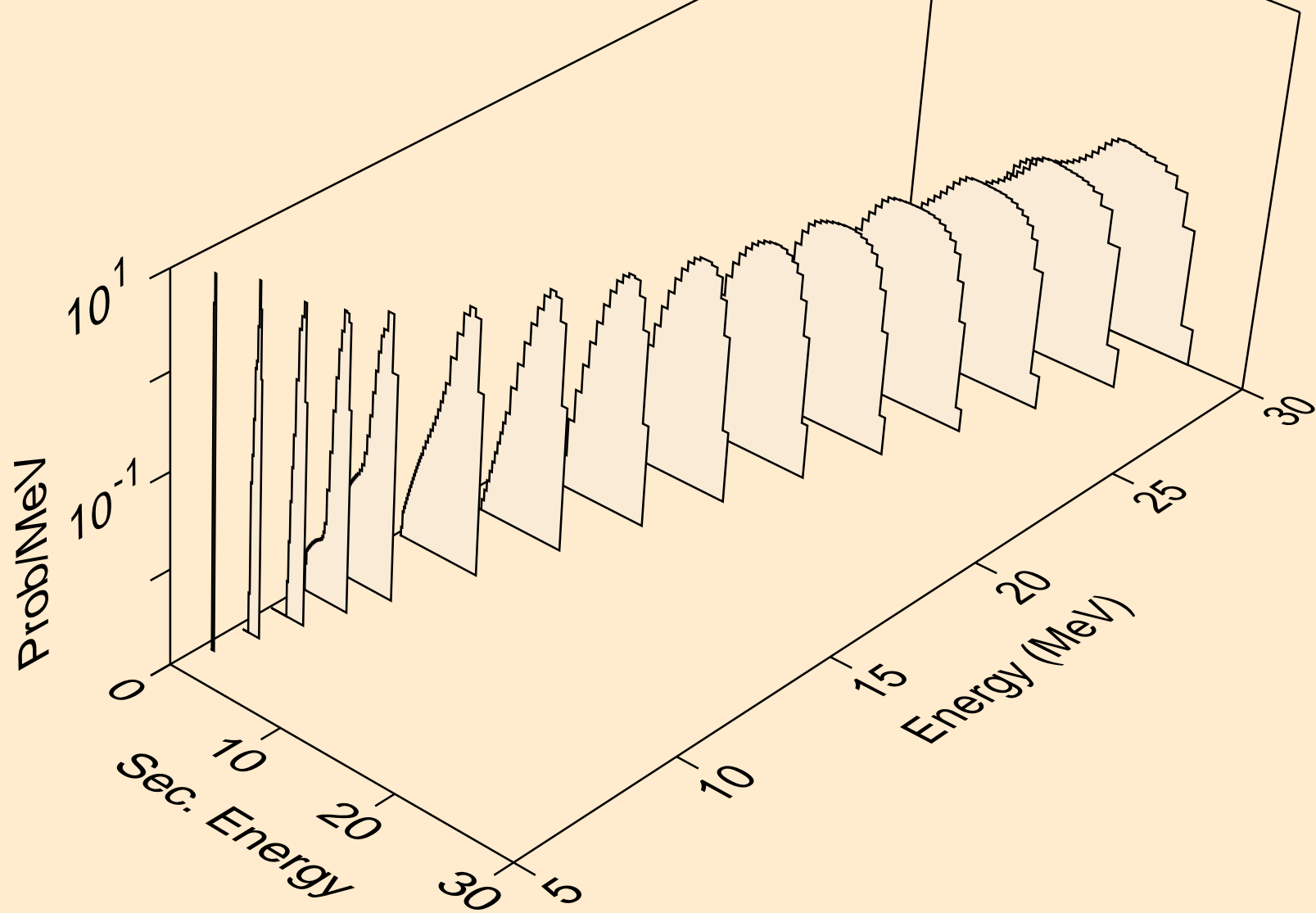
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



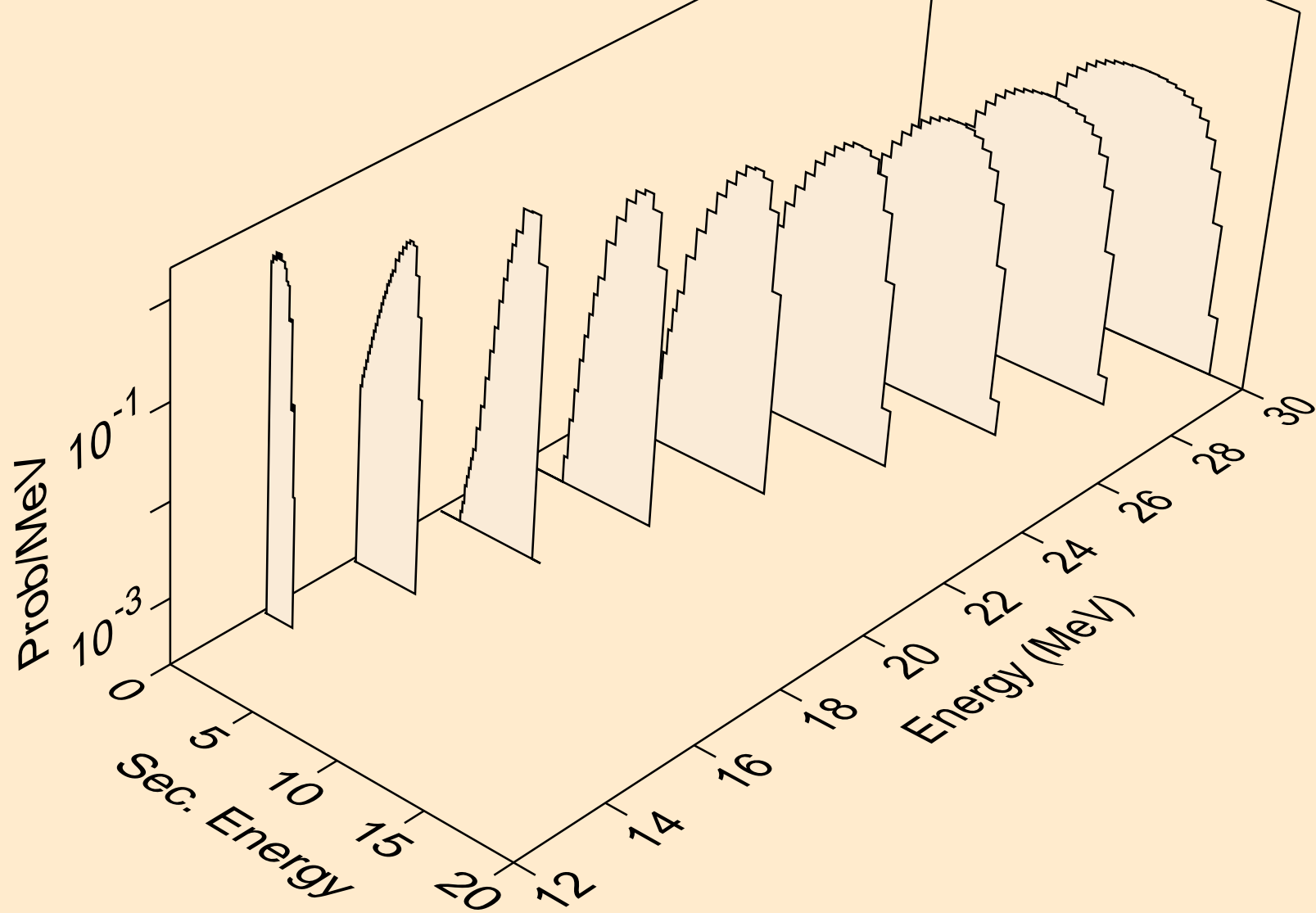
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,x)



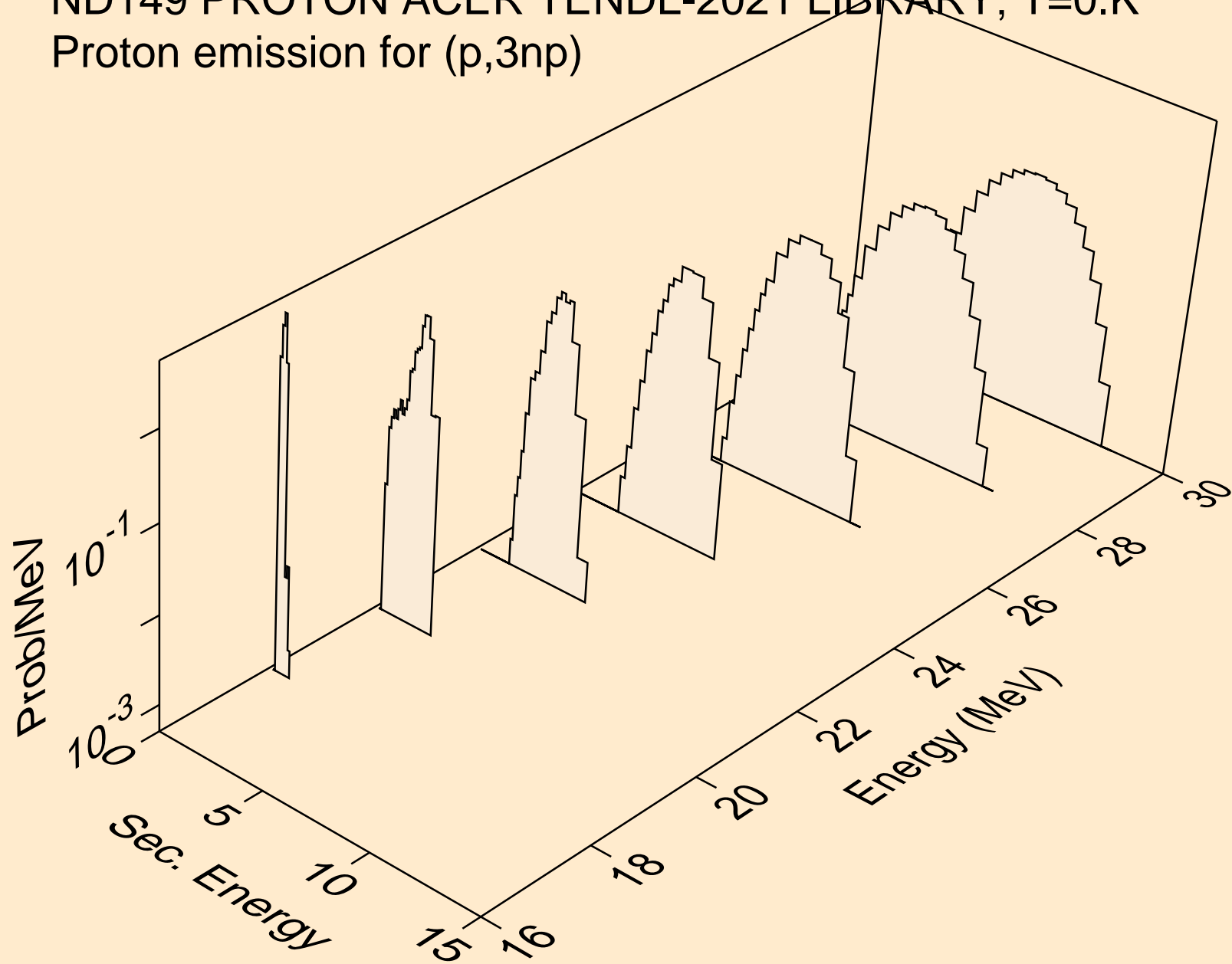
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



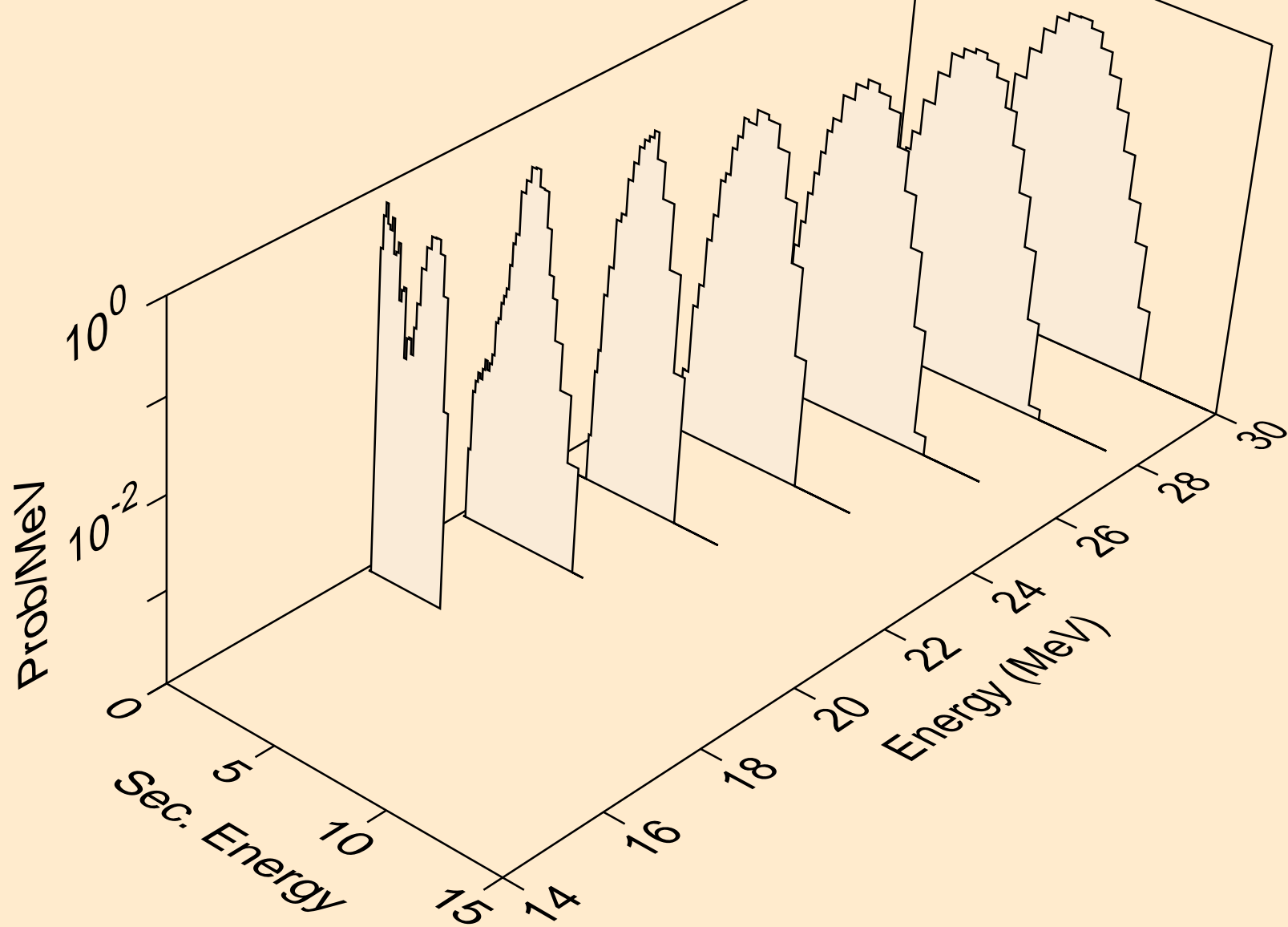
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



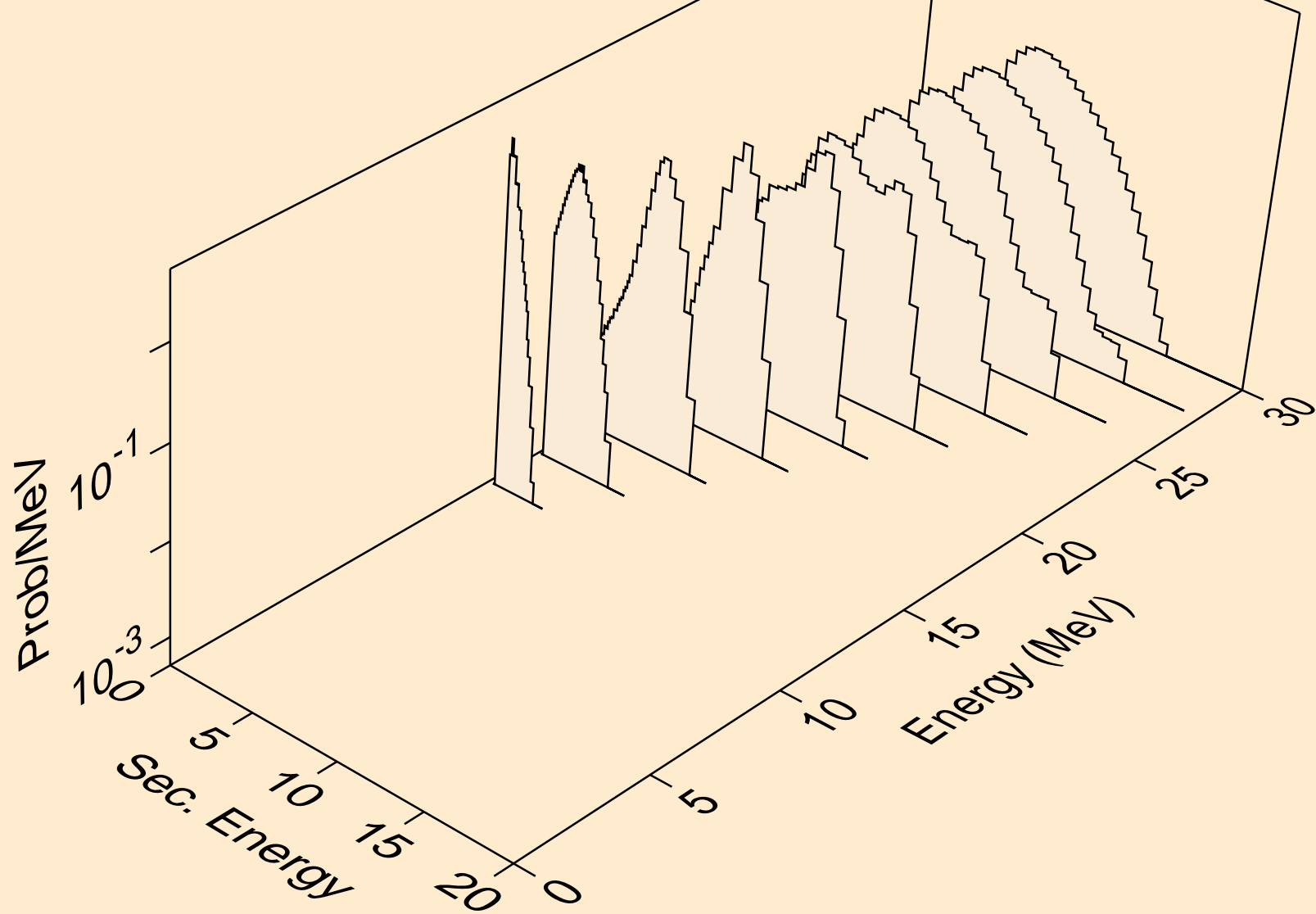
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,3np)



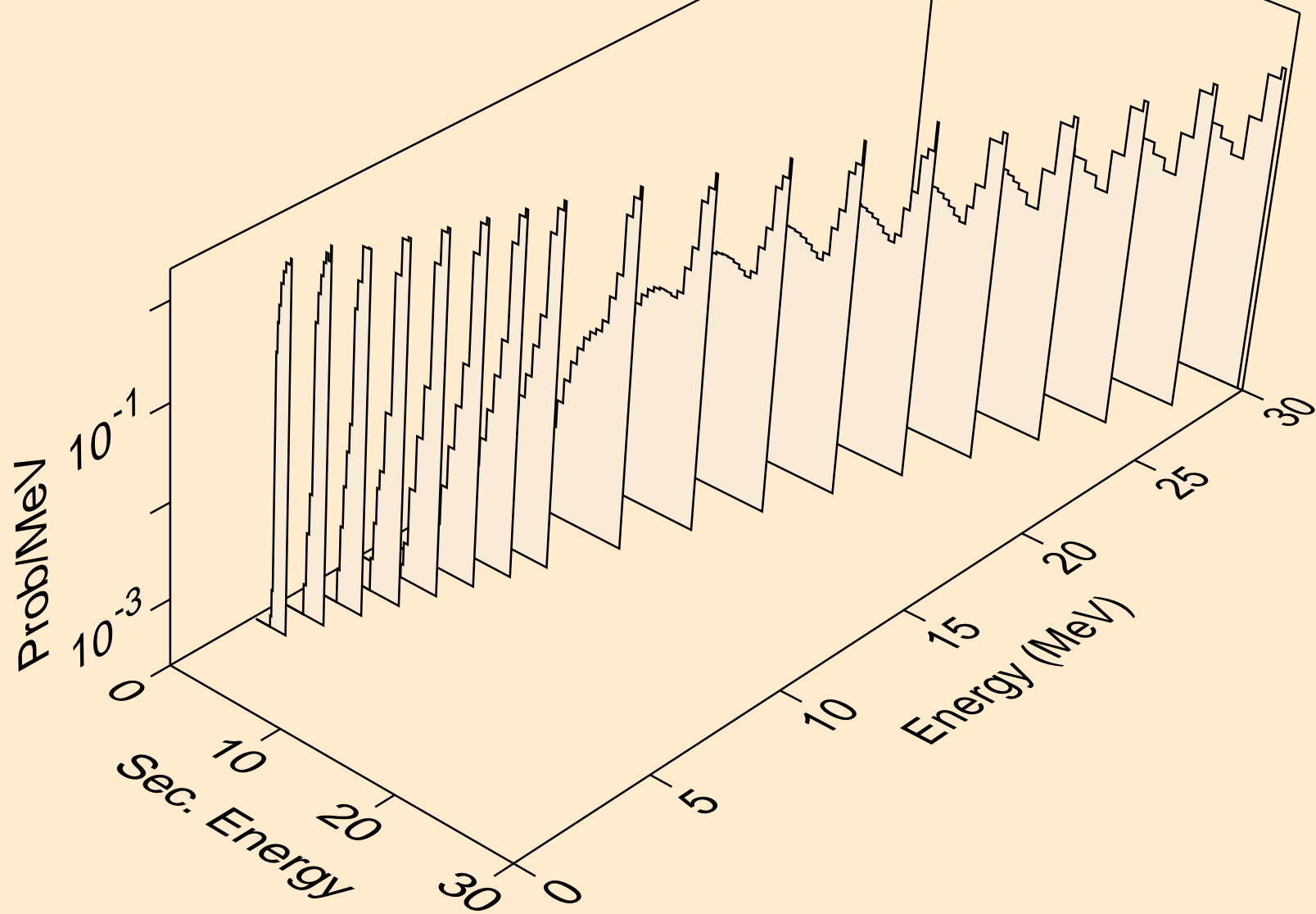
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,npa)

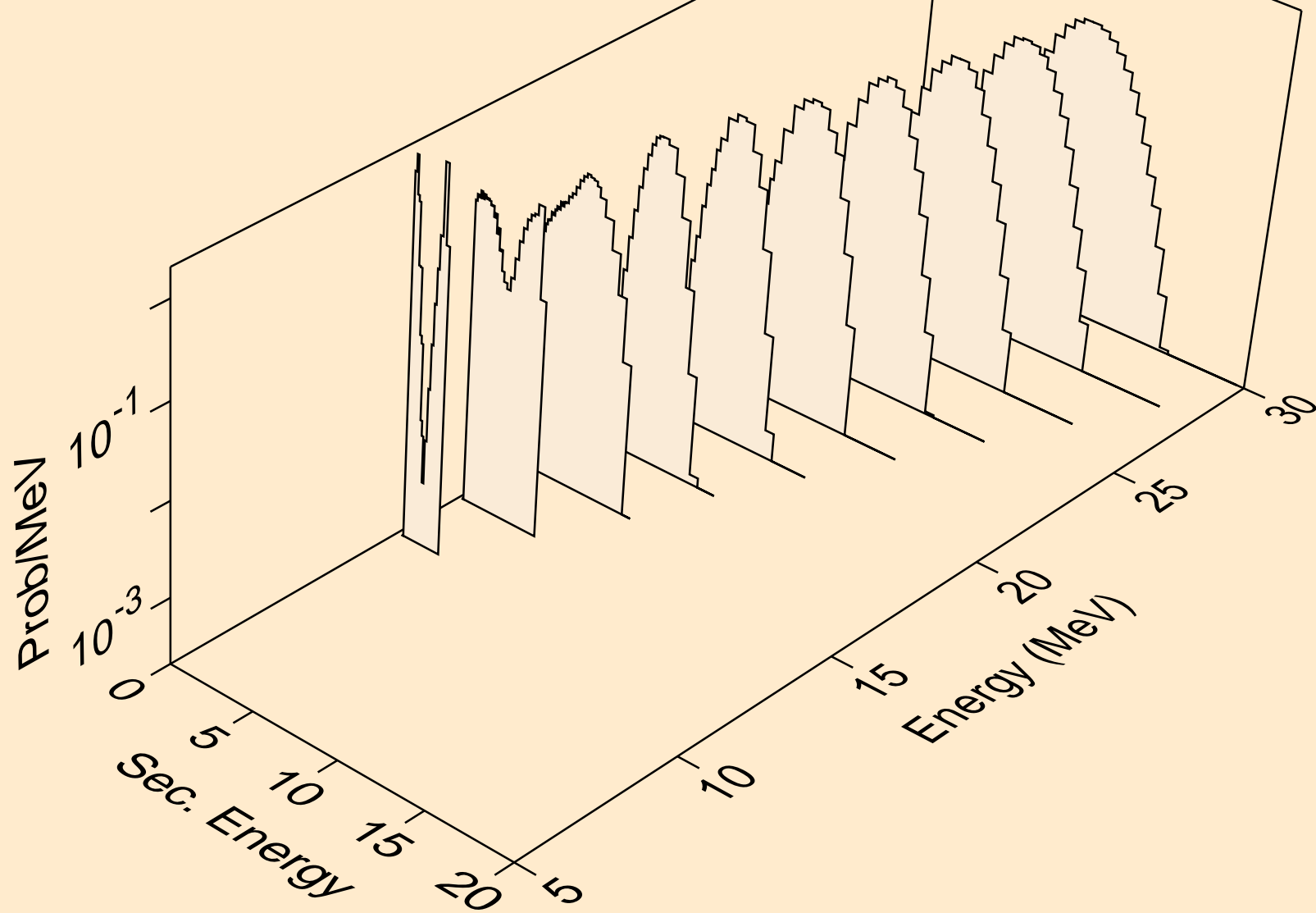


ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for inelastic

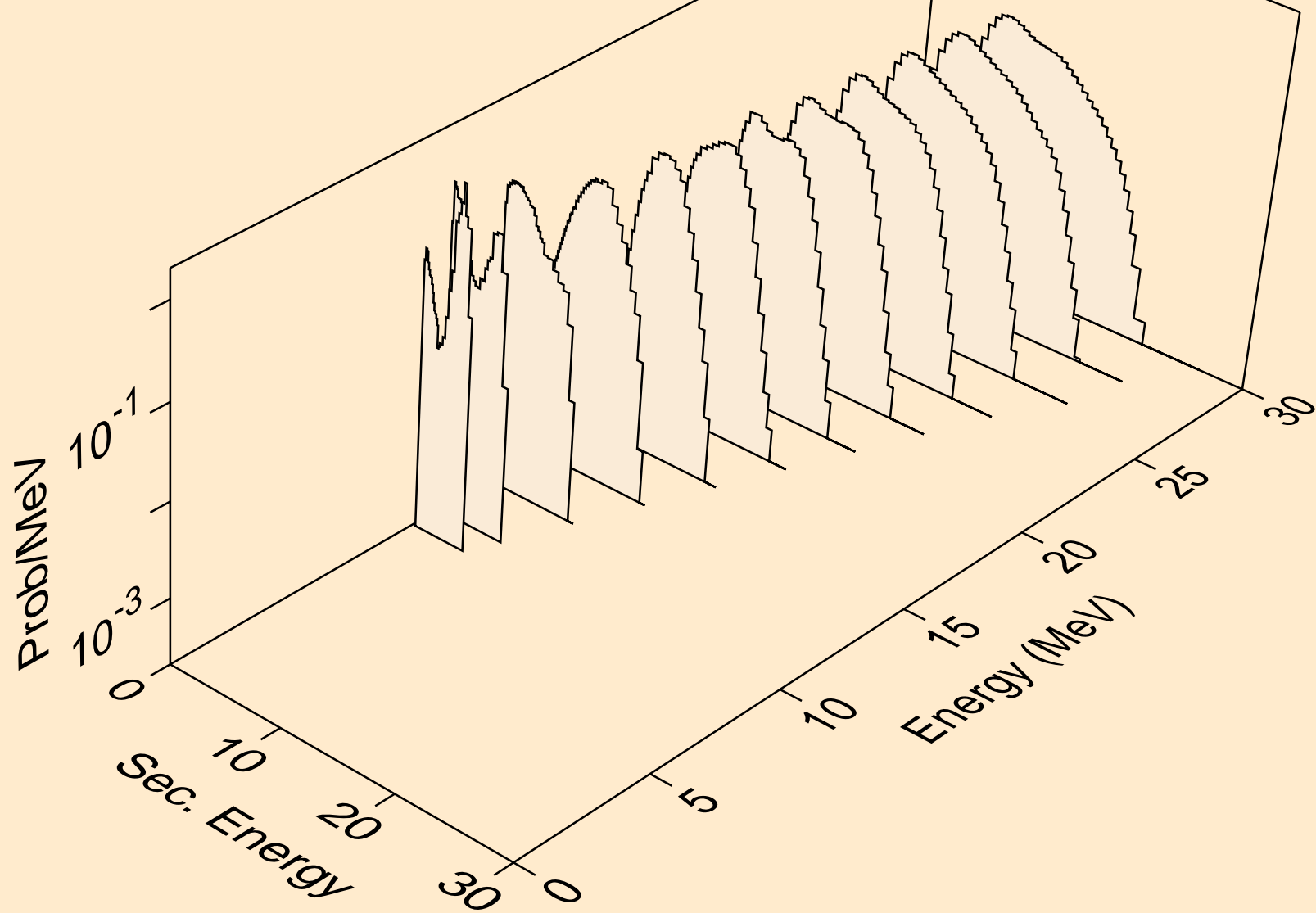




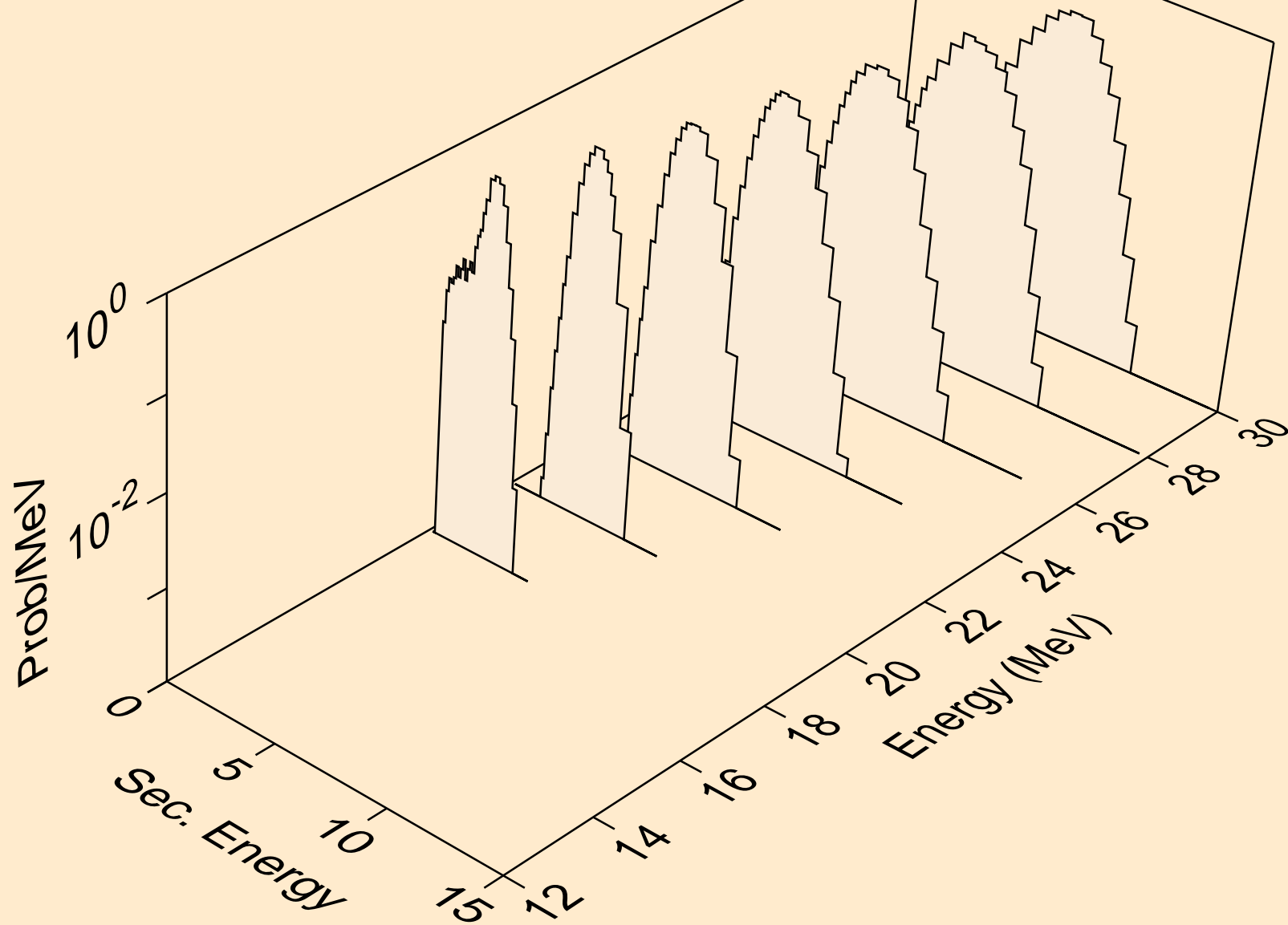
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2p)



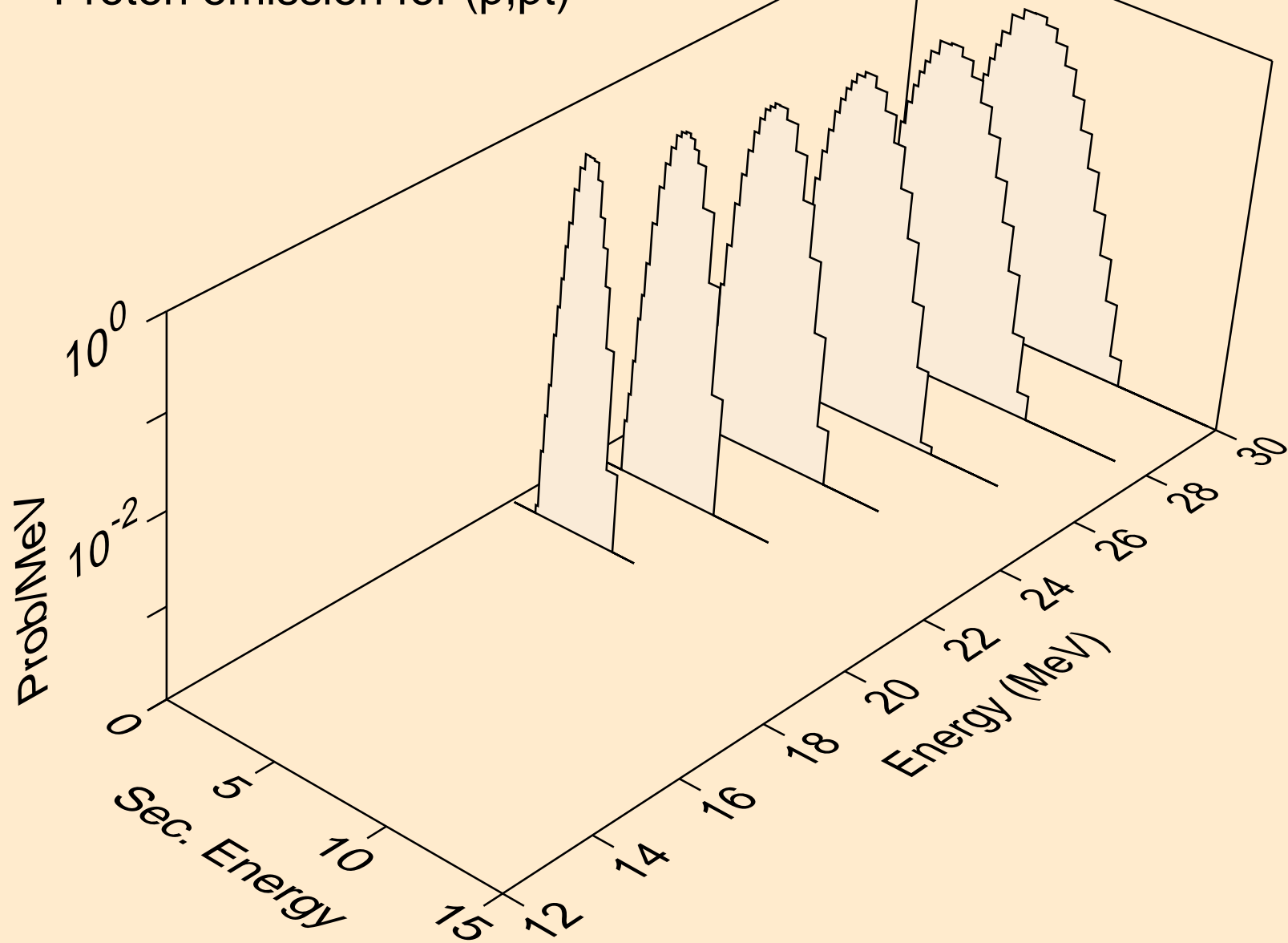
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pa)



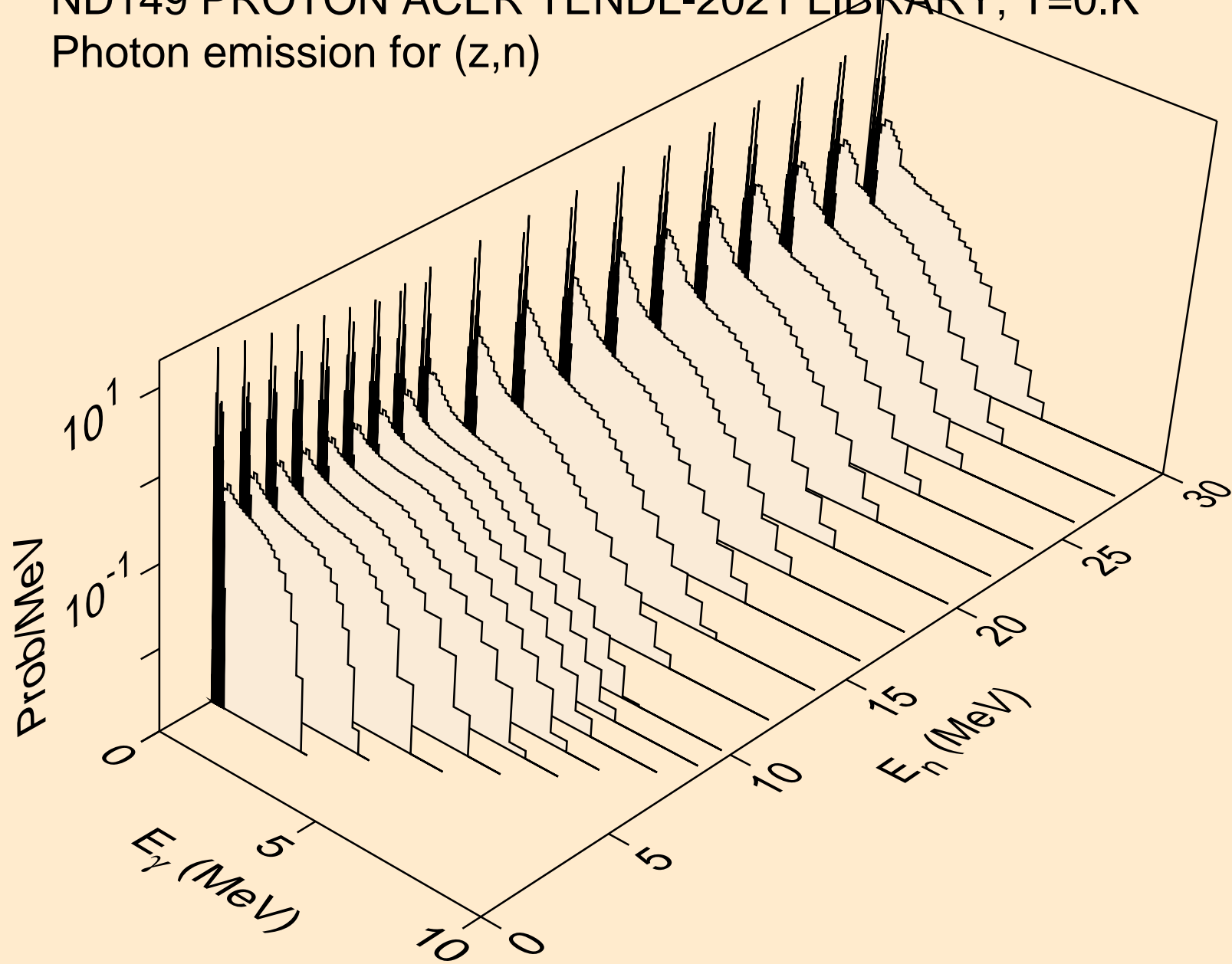
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pd)



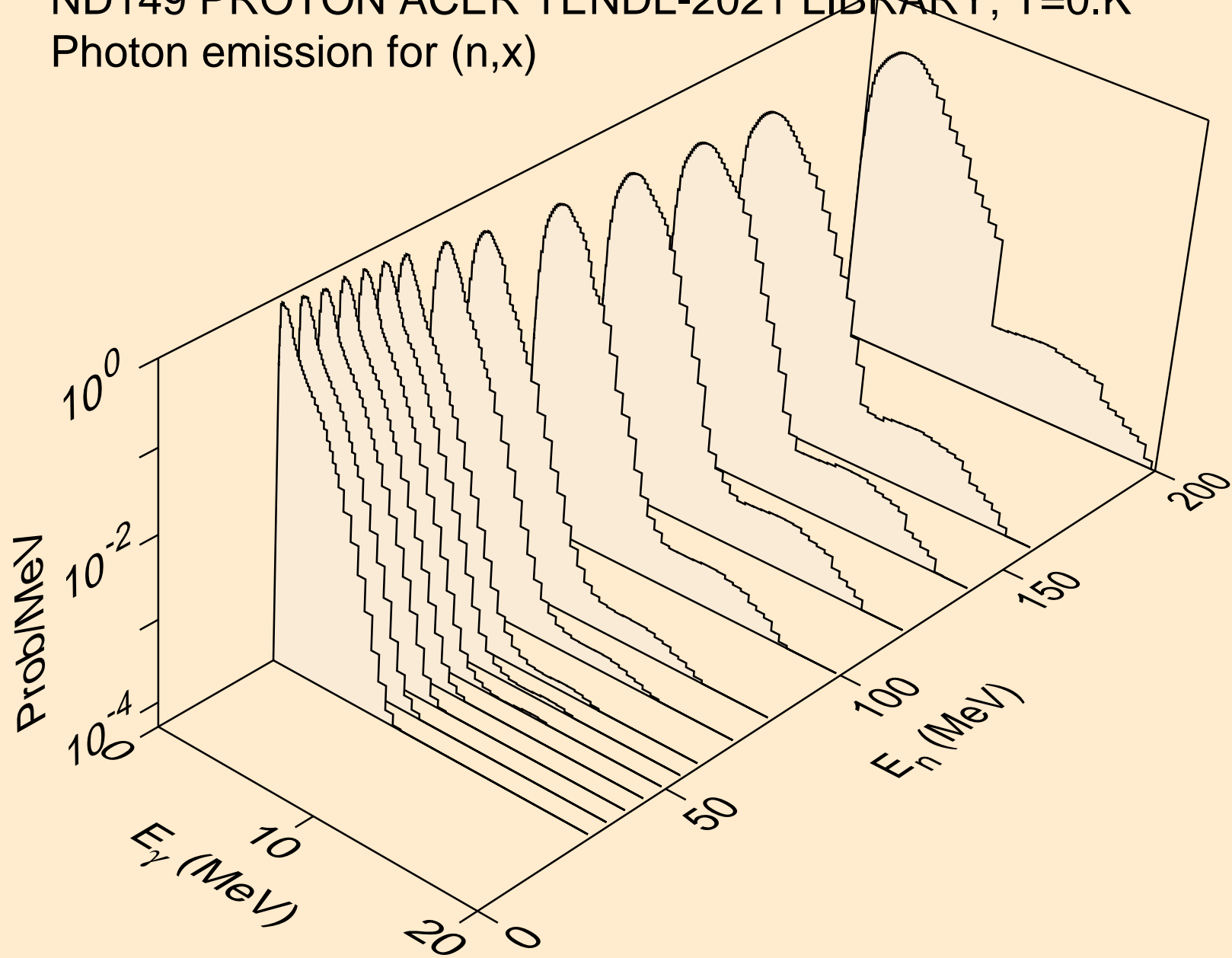
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pt)



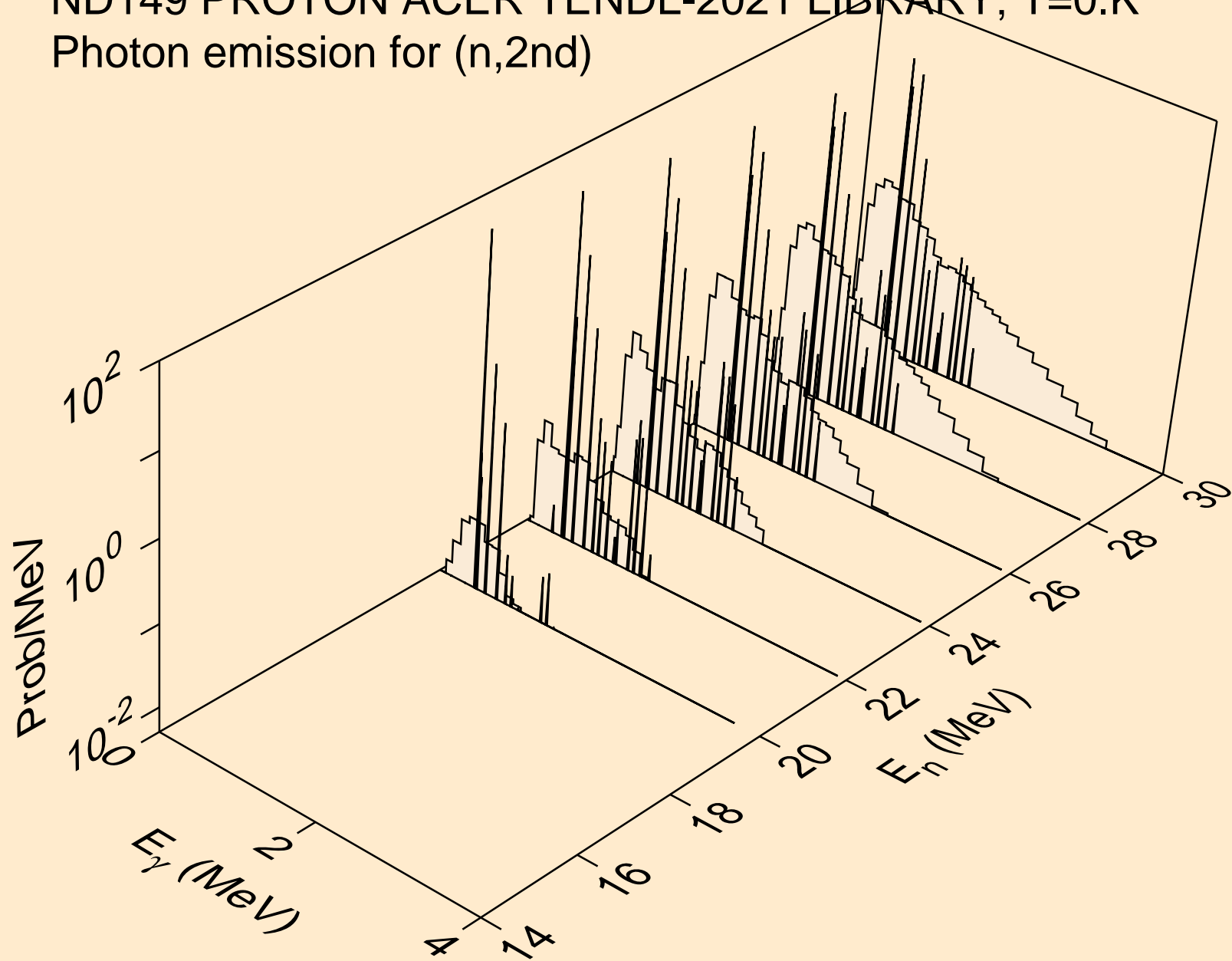
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



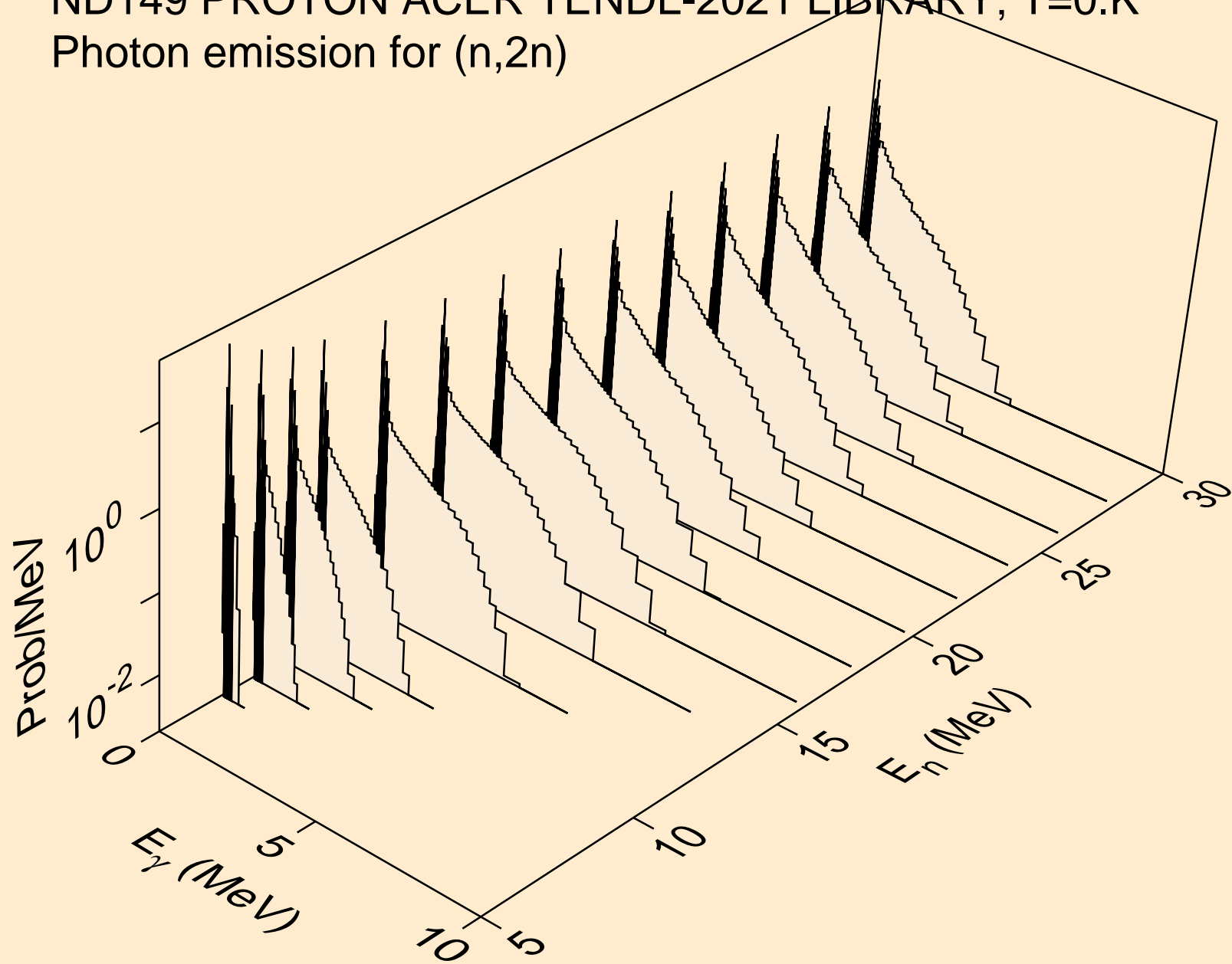
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)

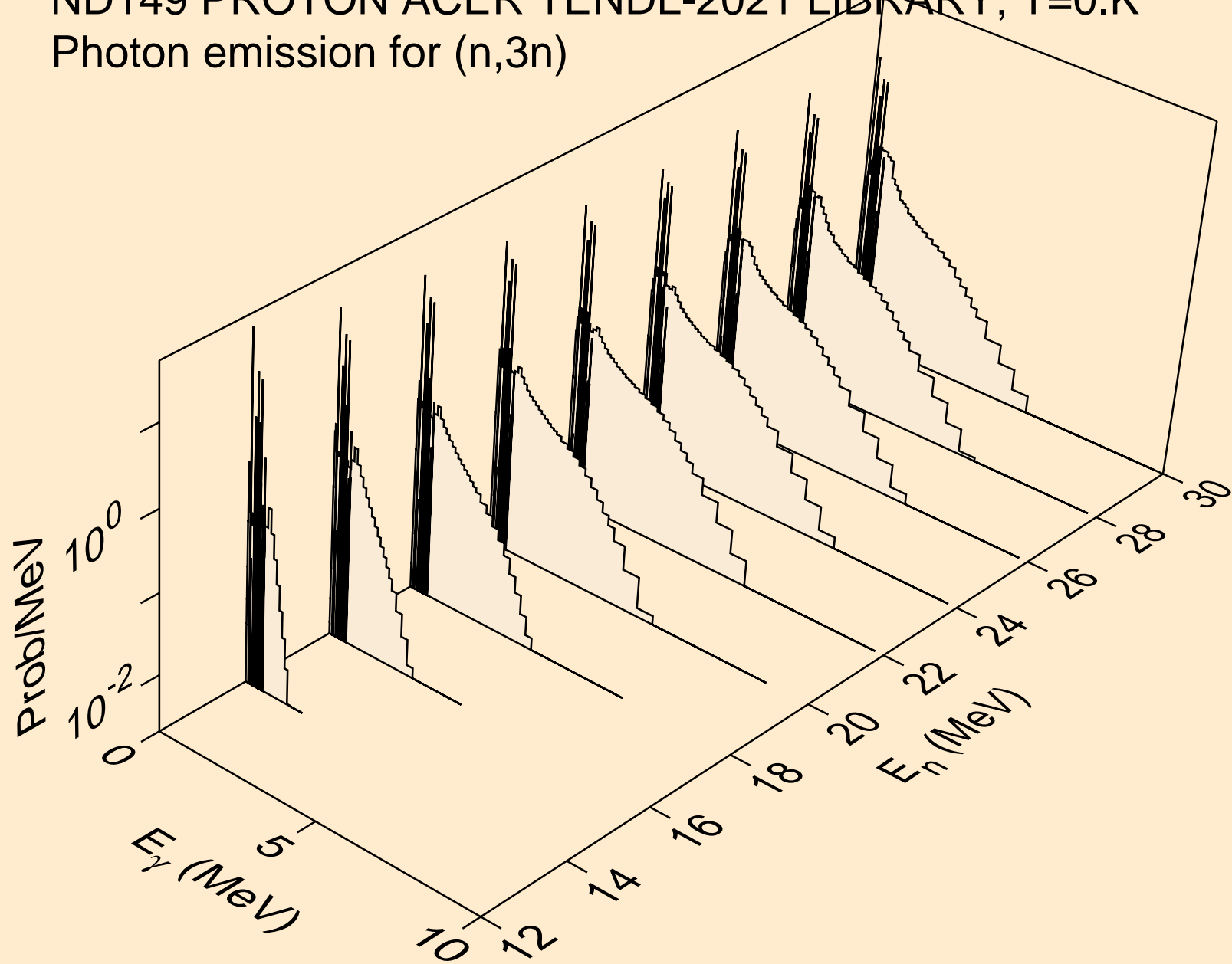


ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)

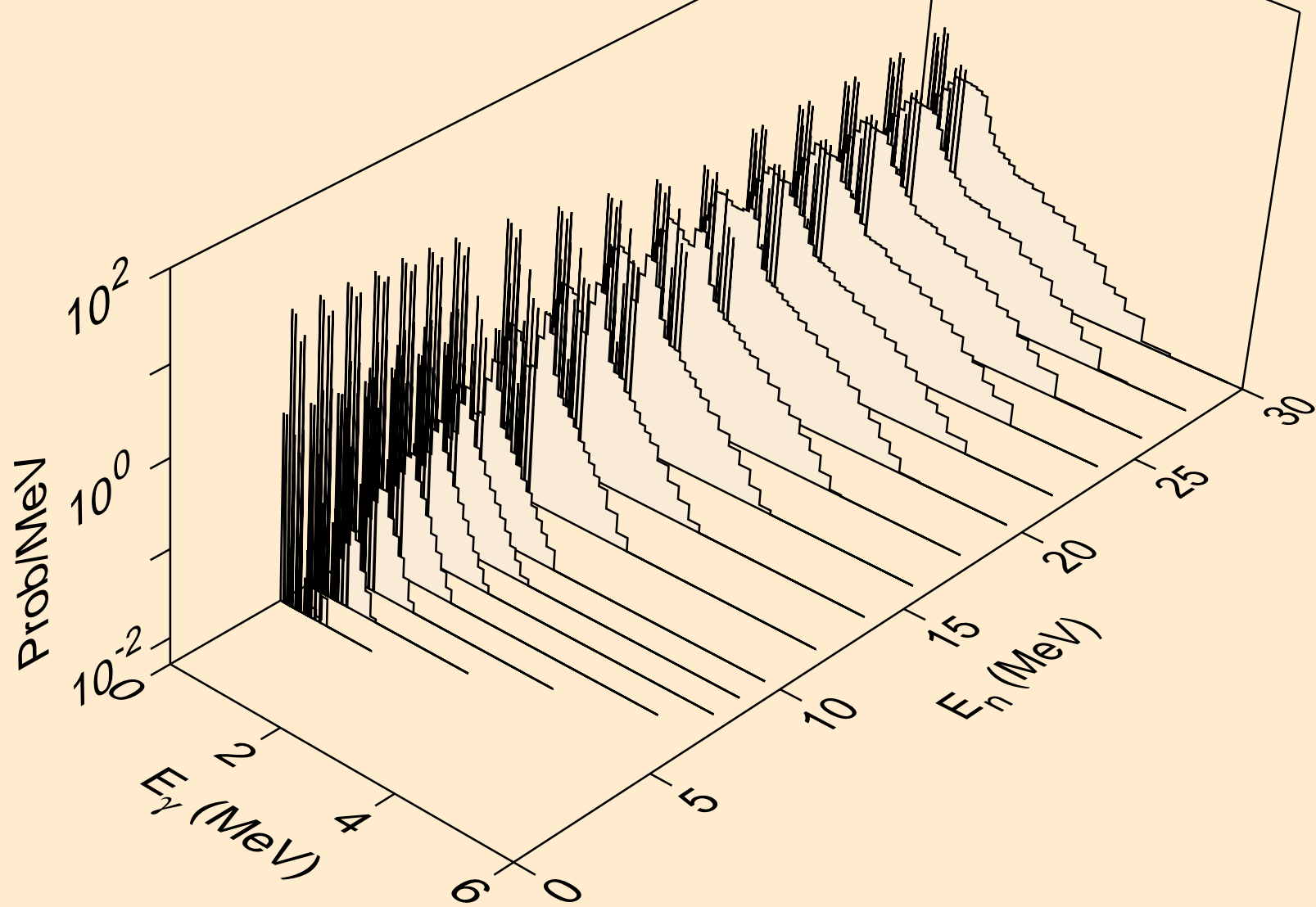




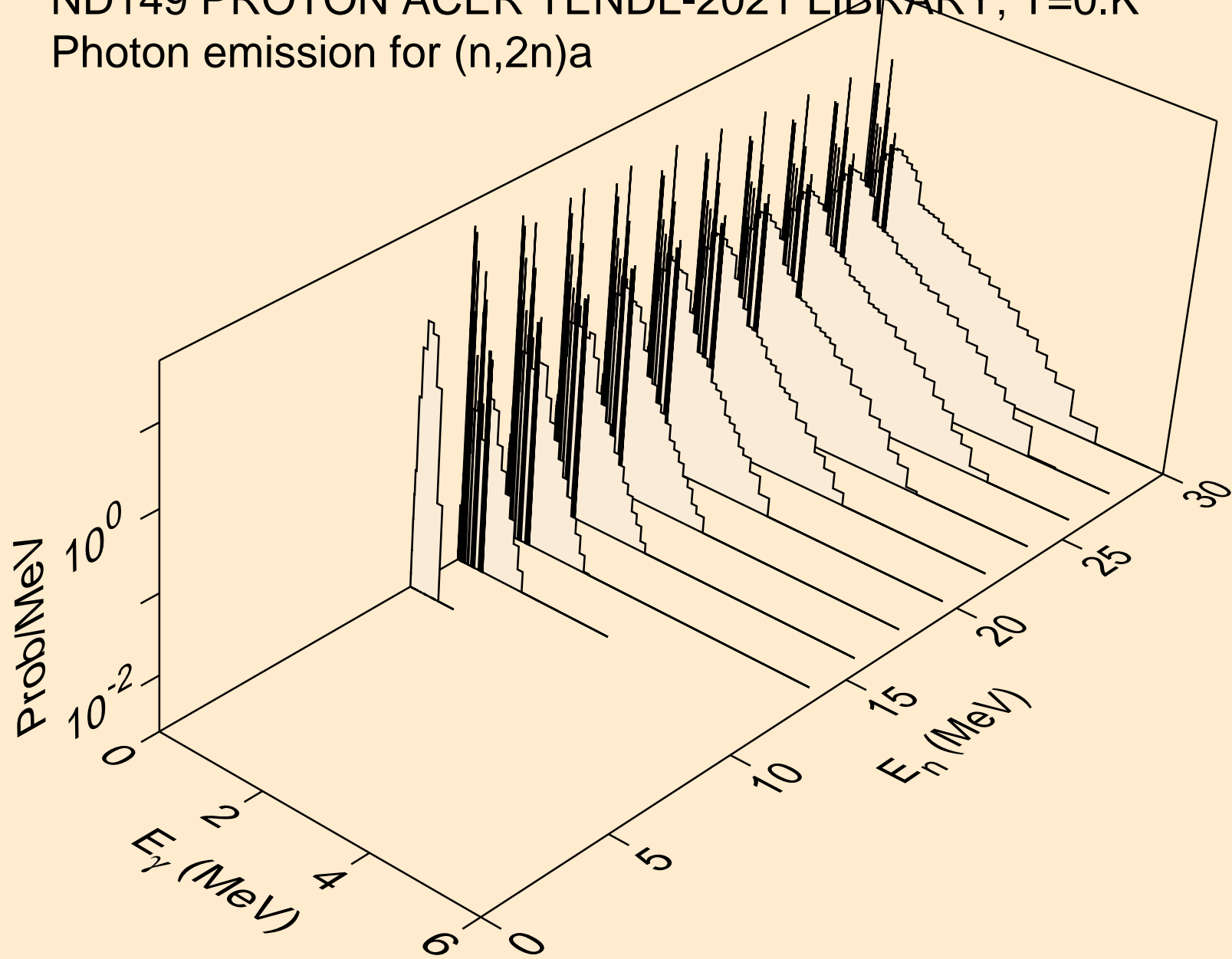
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Photon emission for (n,3n)



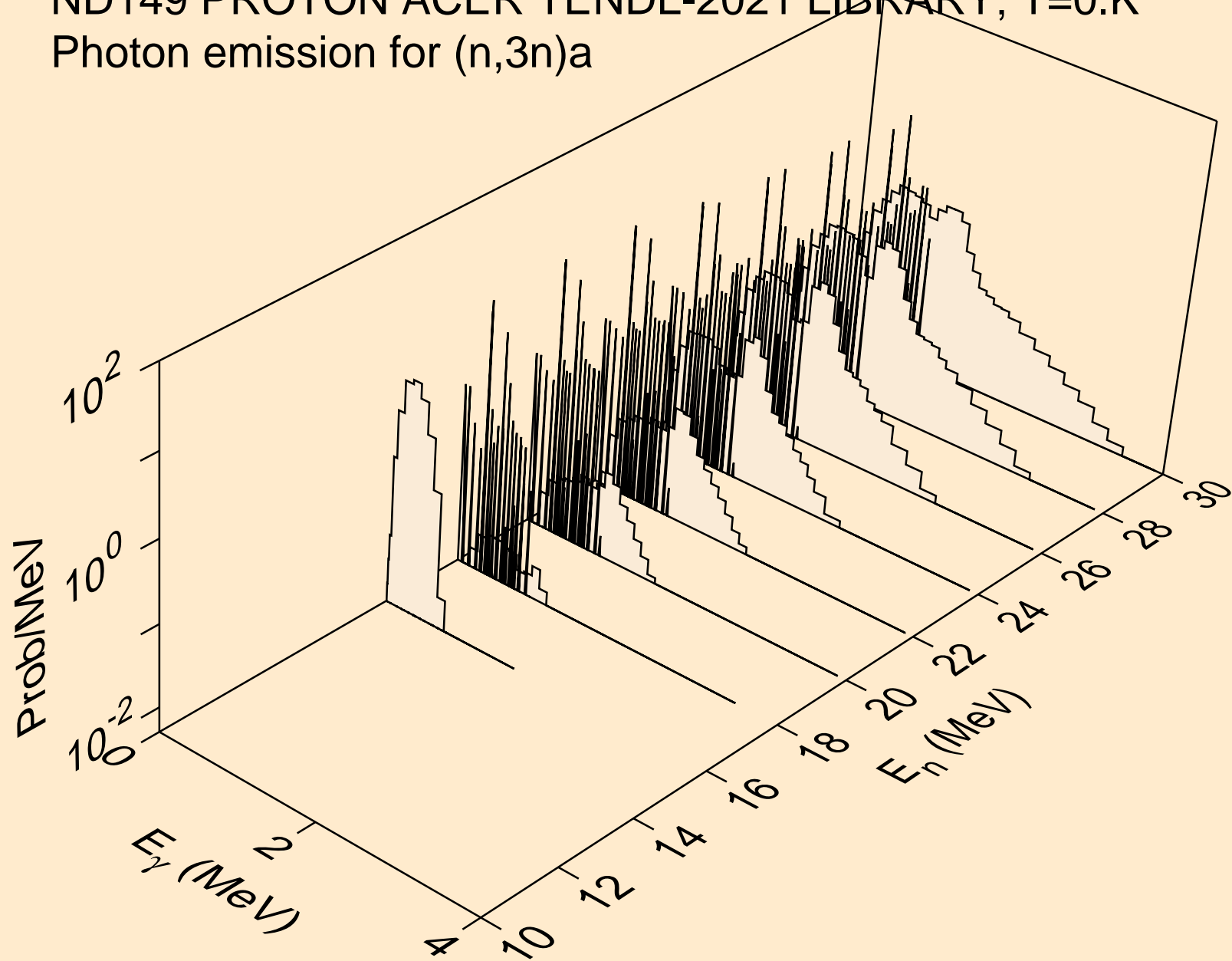
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



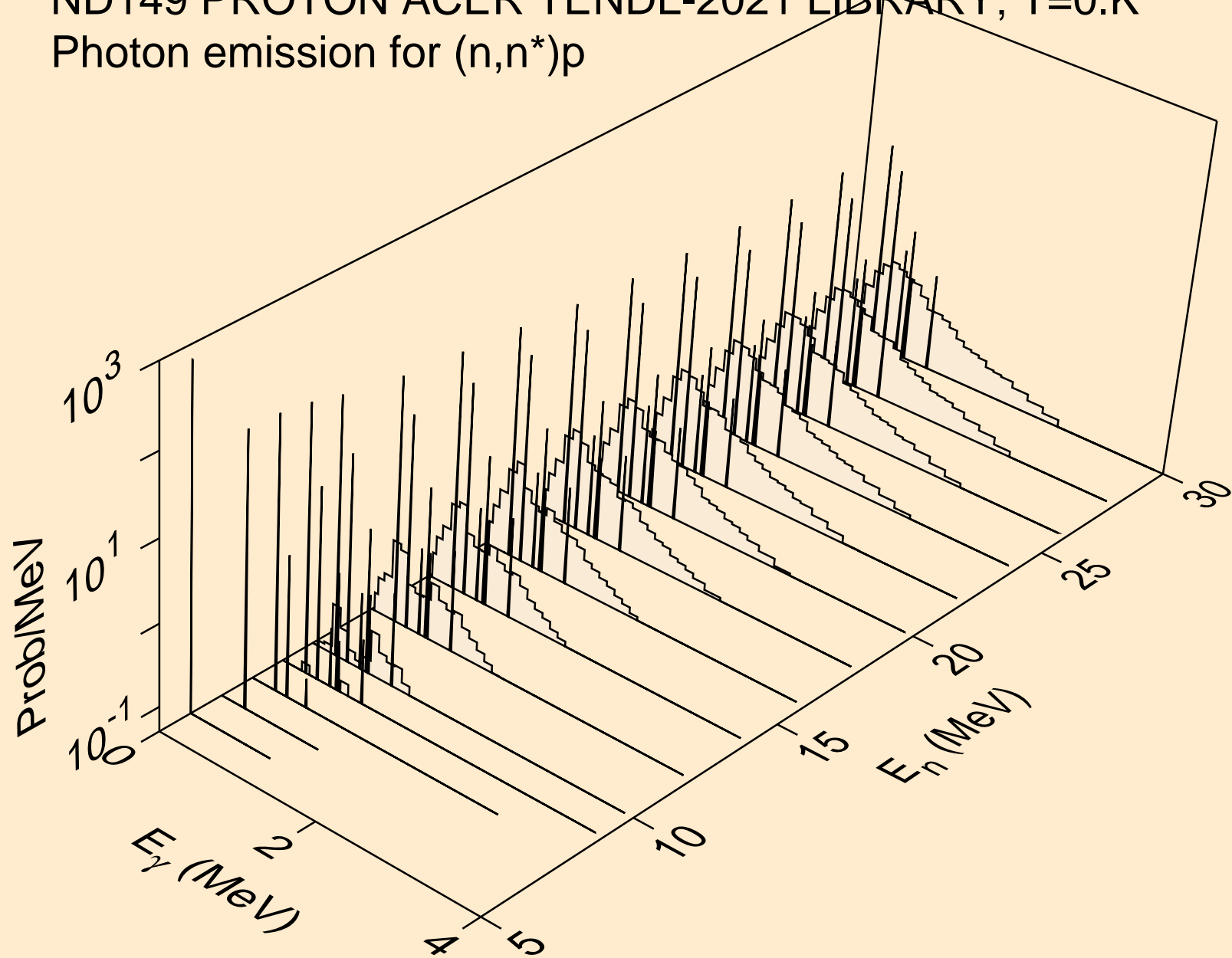
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Photon emission for (n,2n)a



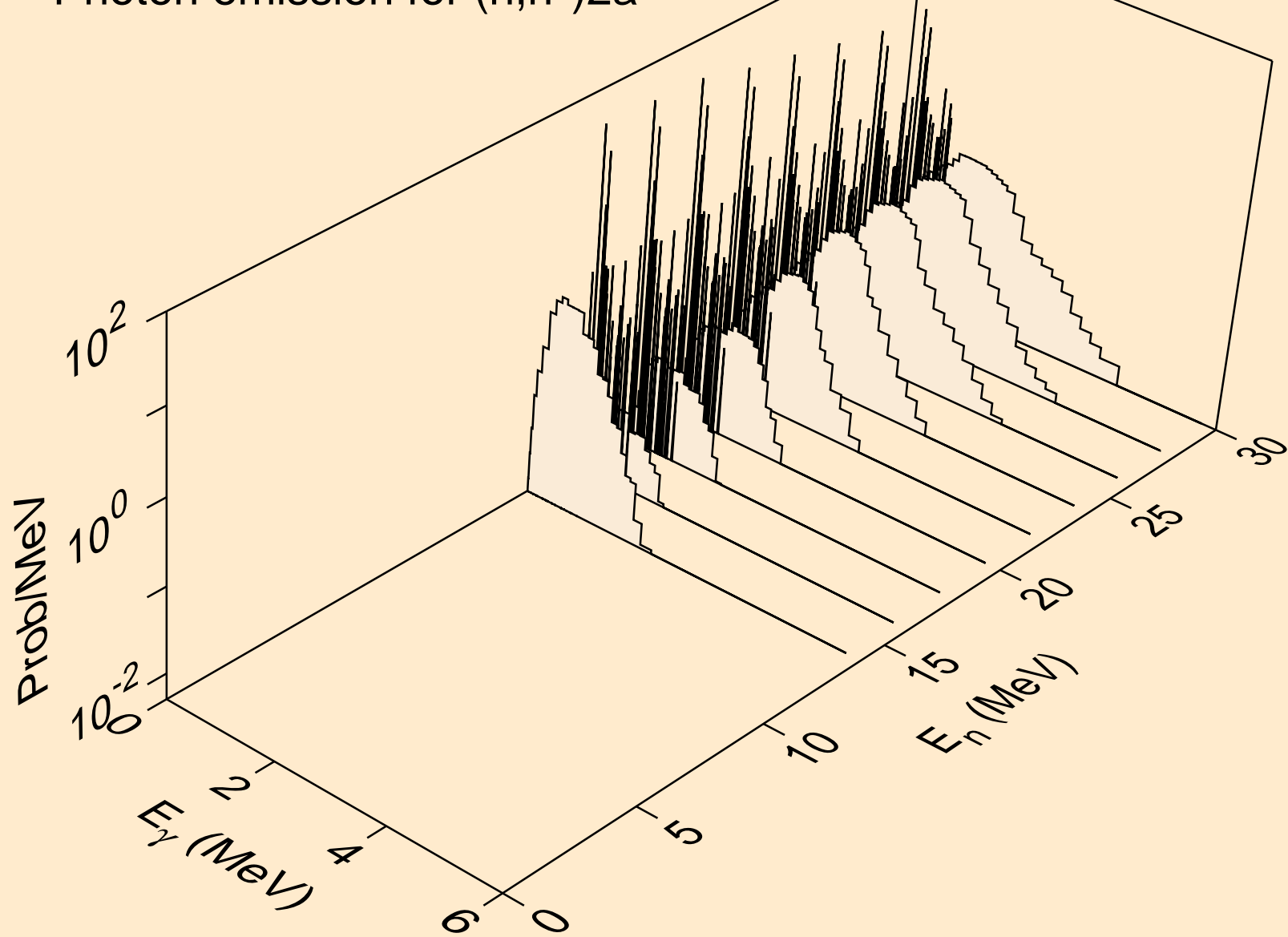
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Photon emission for (n,3n)a



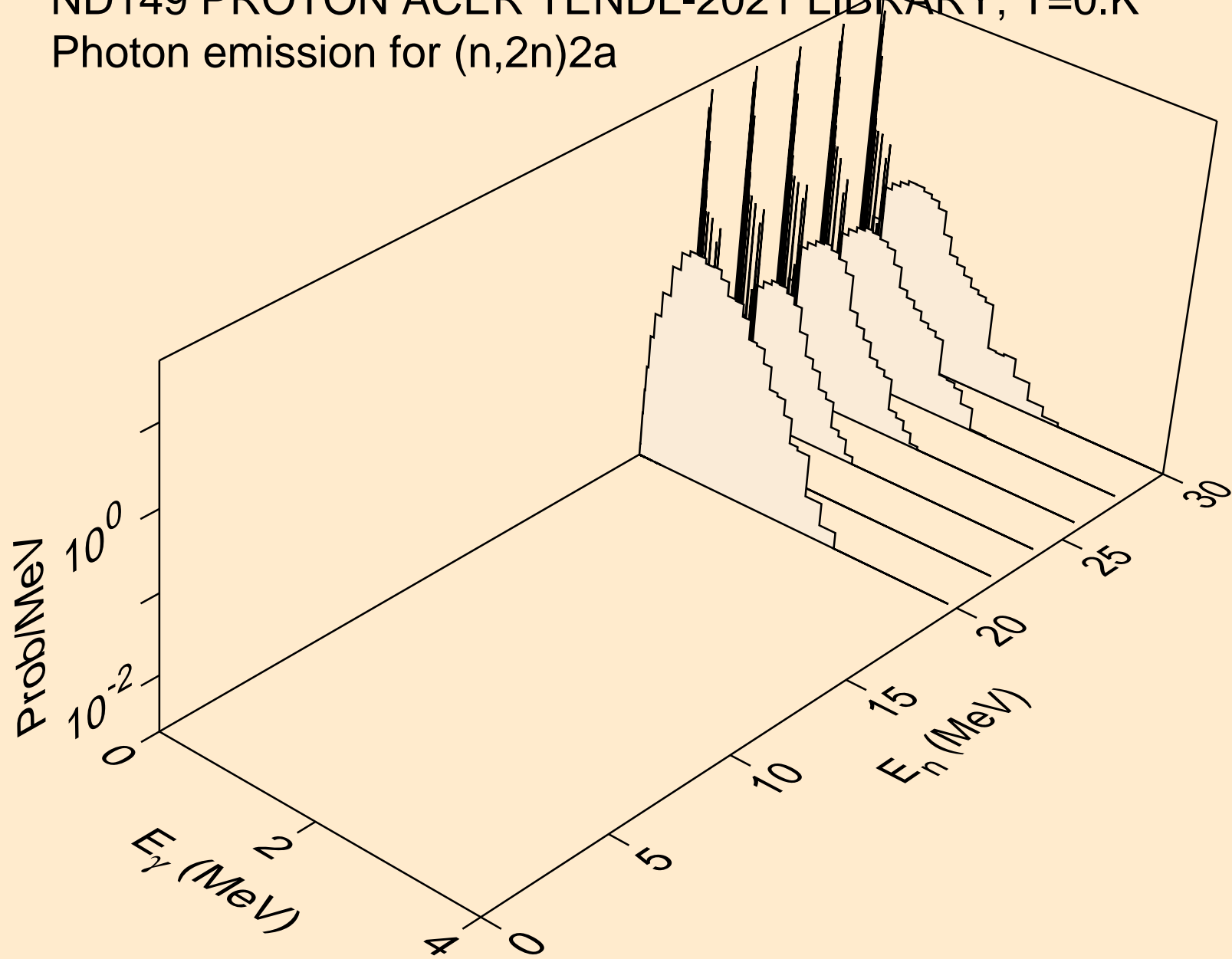
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Photon emission for (n,n\*)p



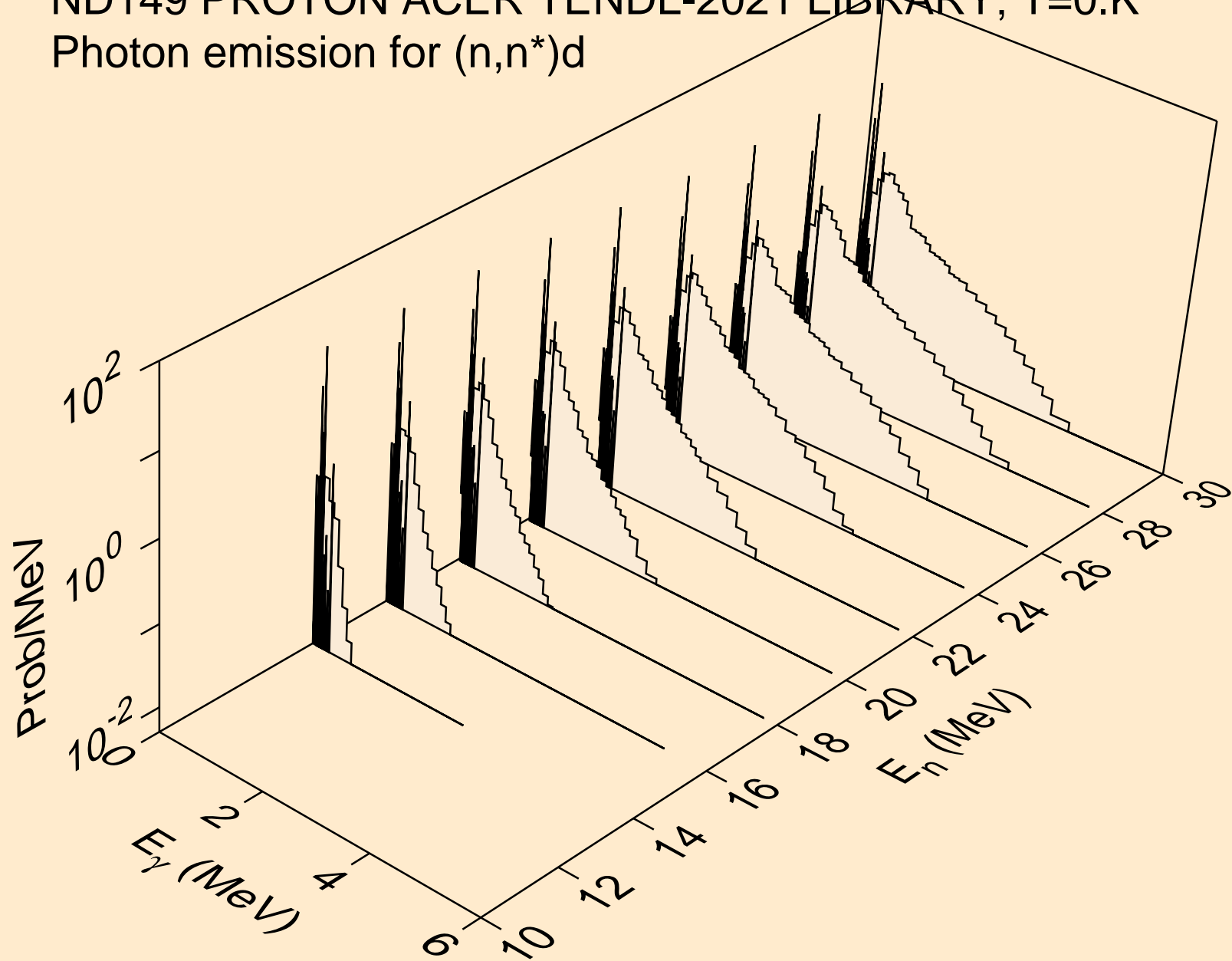
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)2a

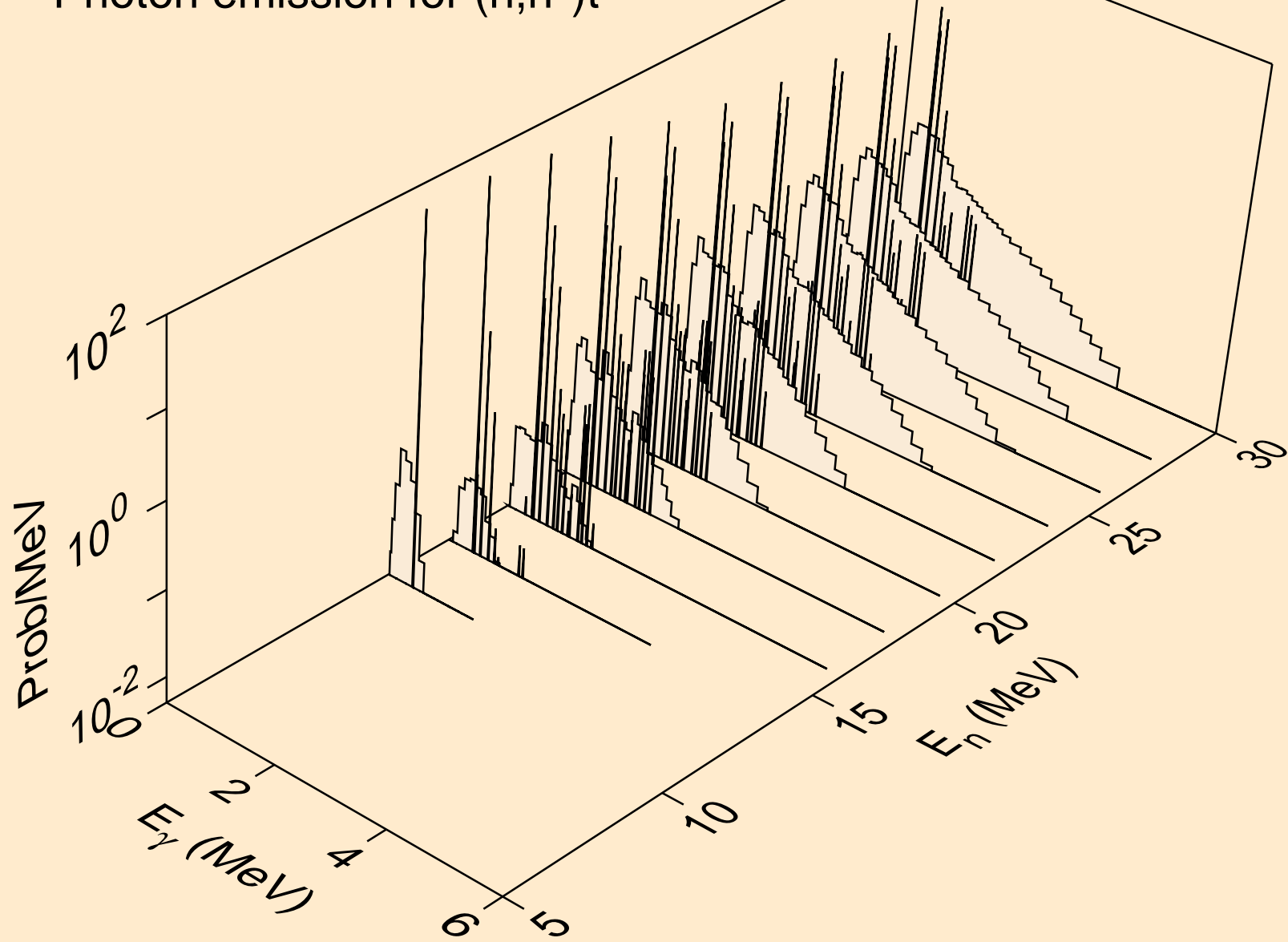


ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

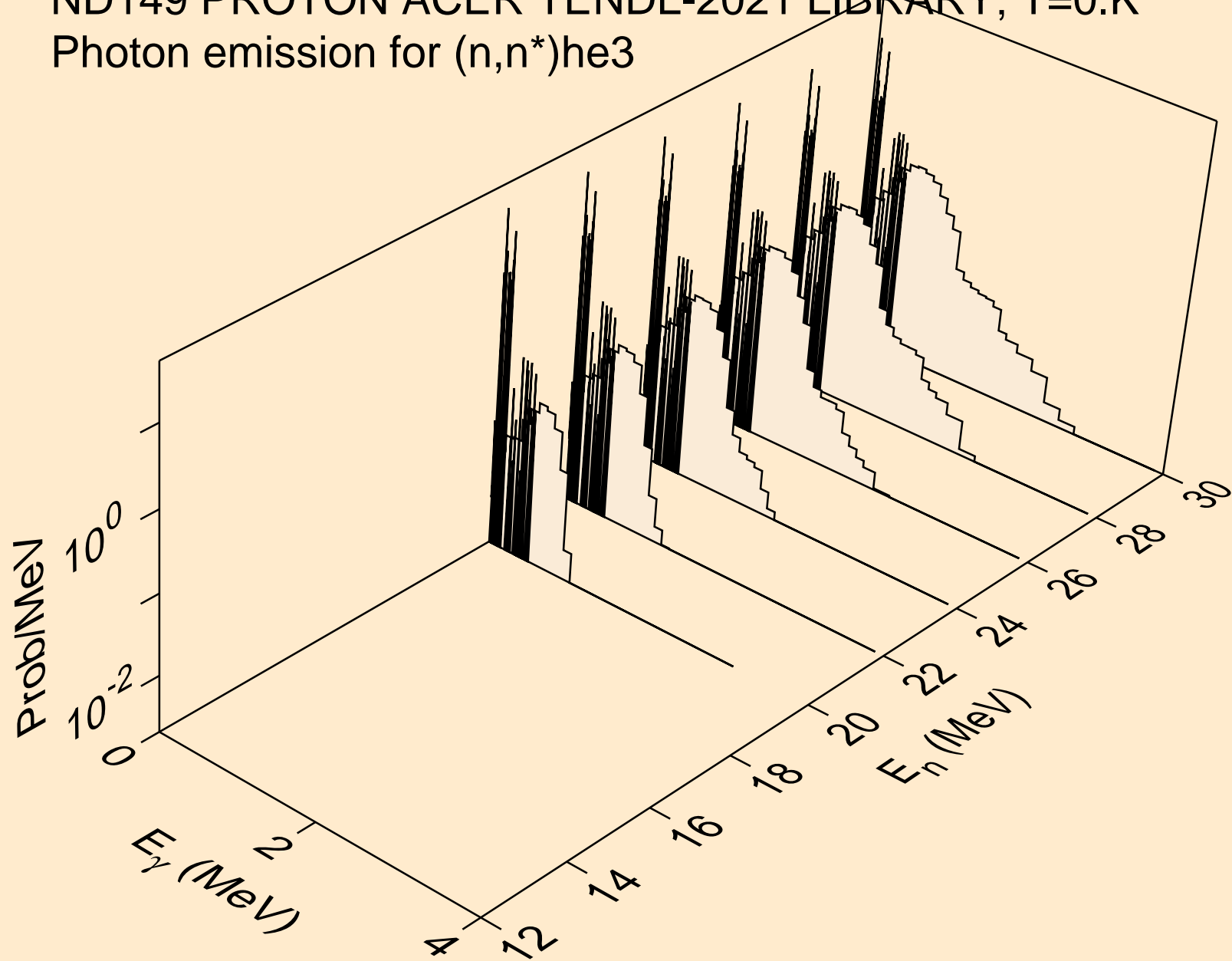




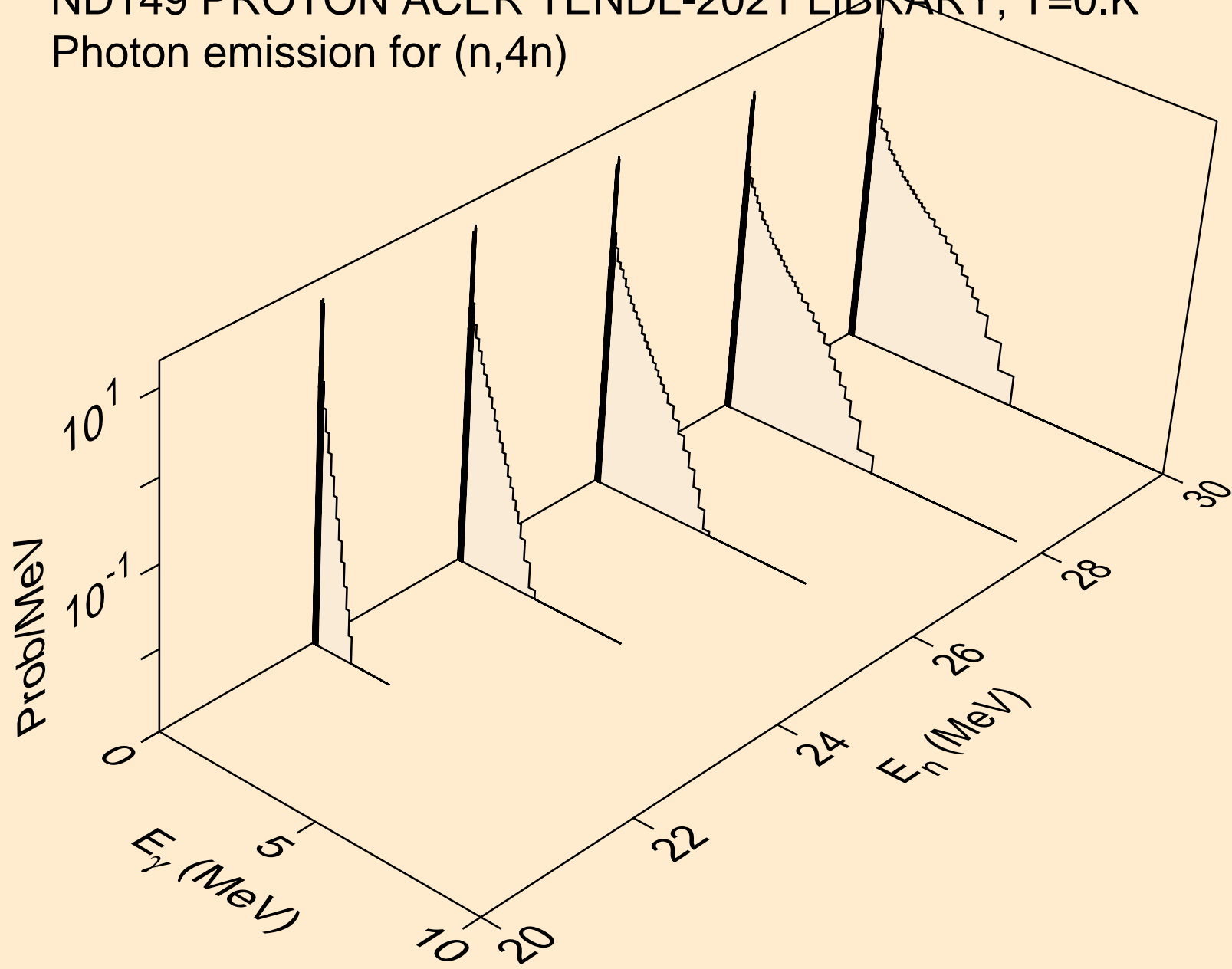
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



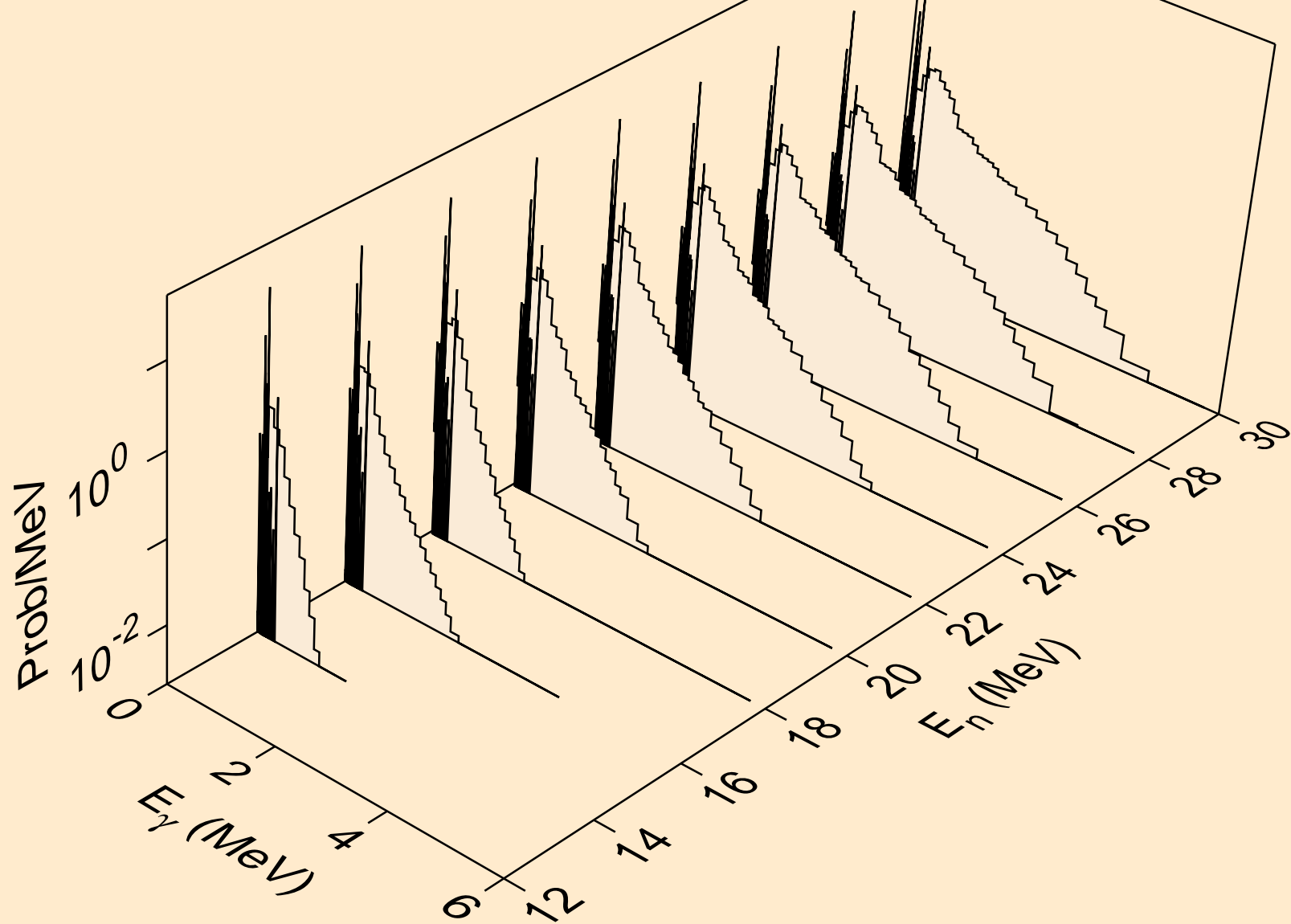
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Photon emission for (n,n\*)he3



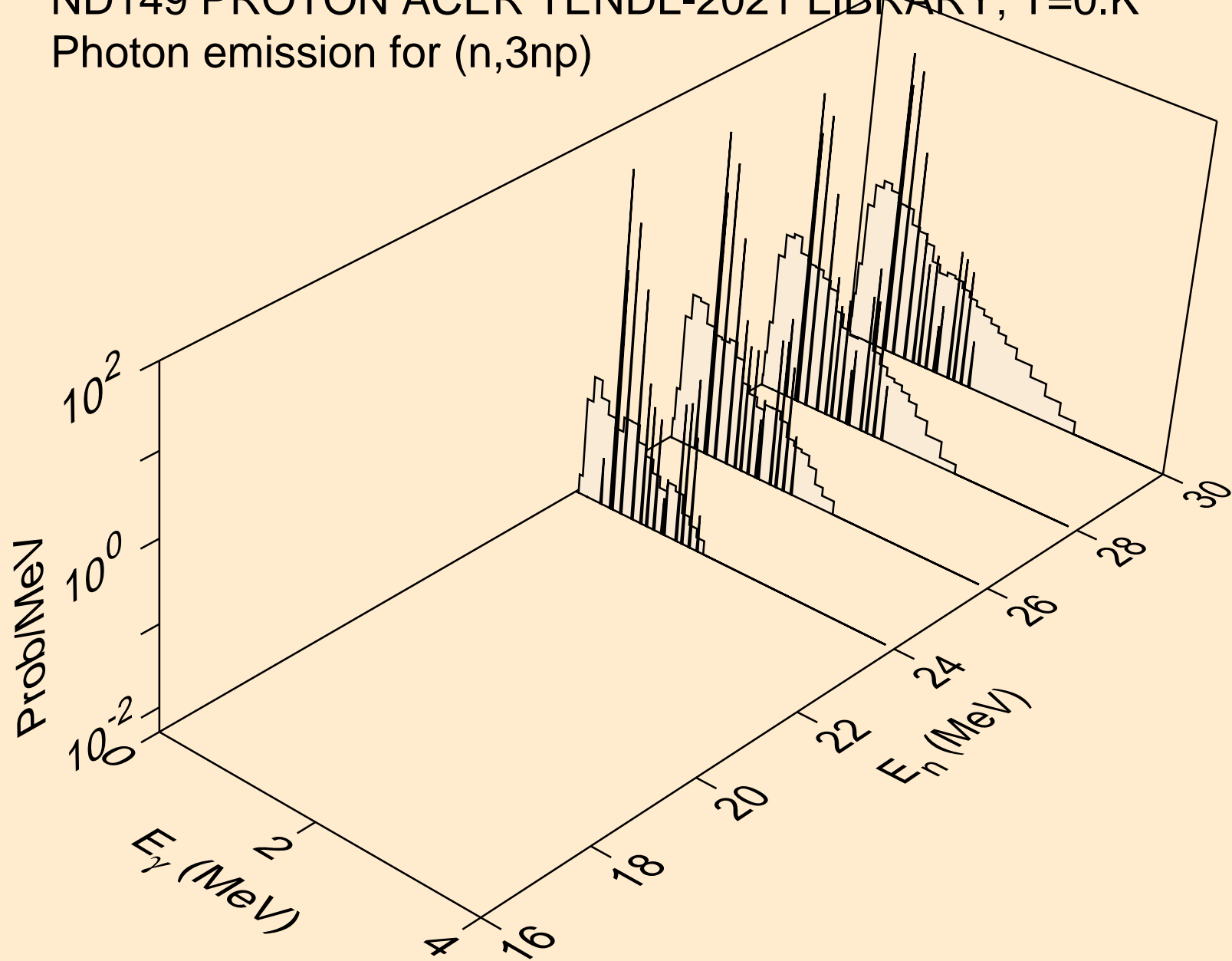
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Photon emission for (n,4n)



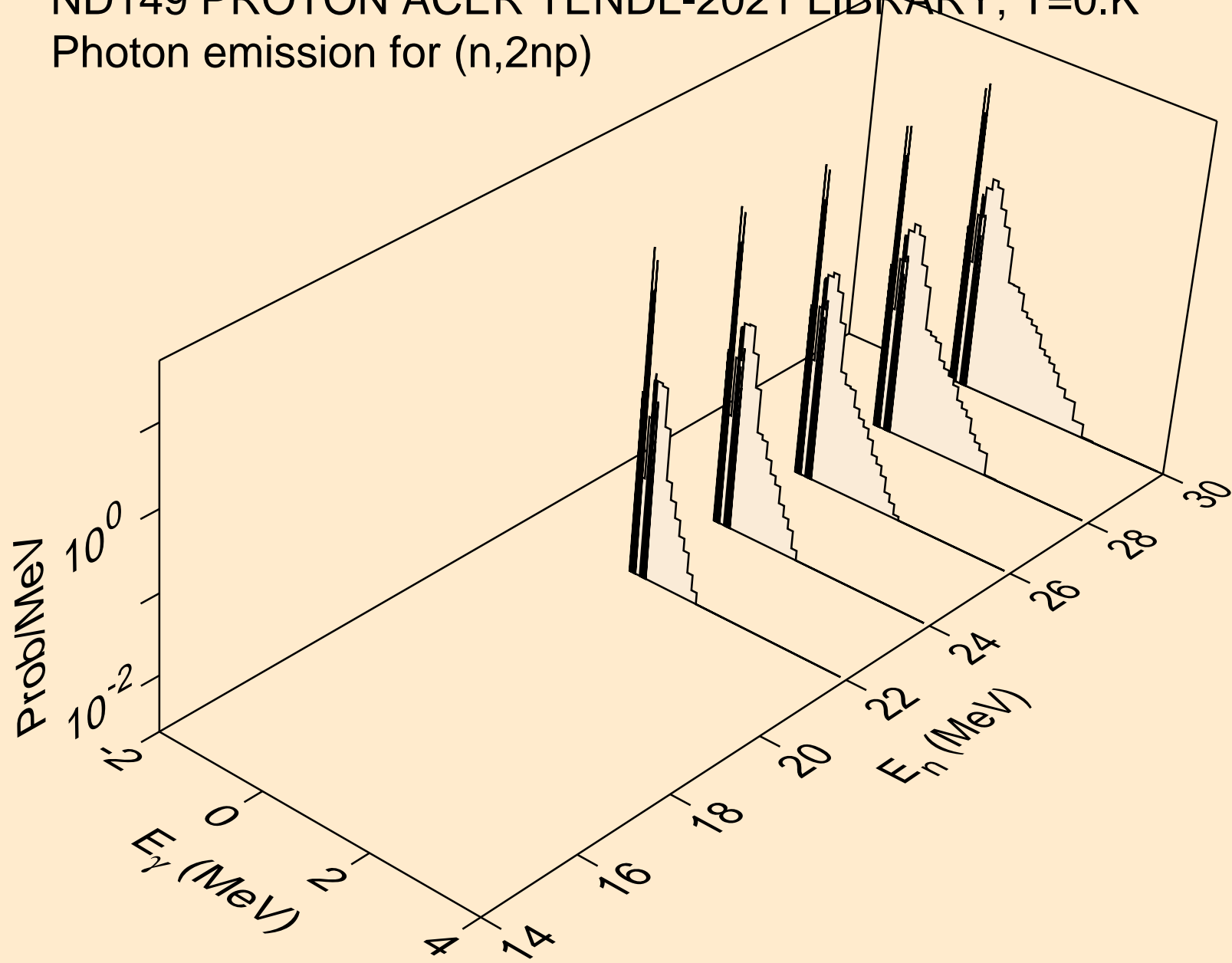
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Photon emission for (n,2np)



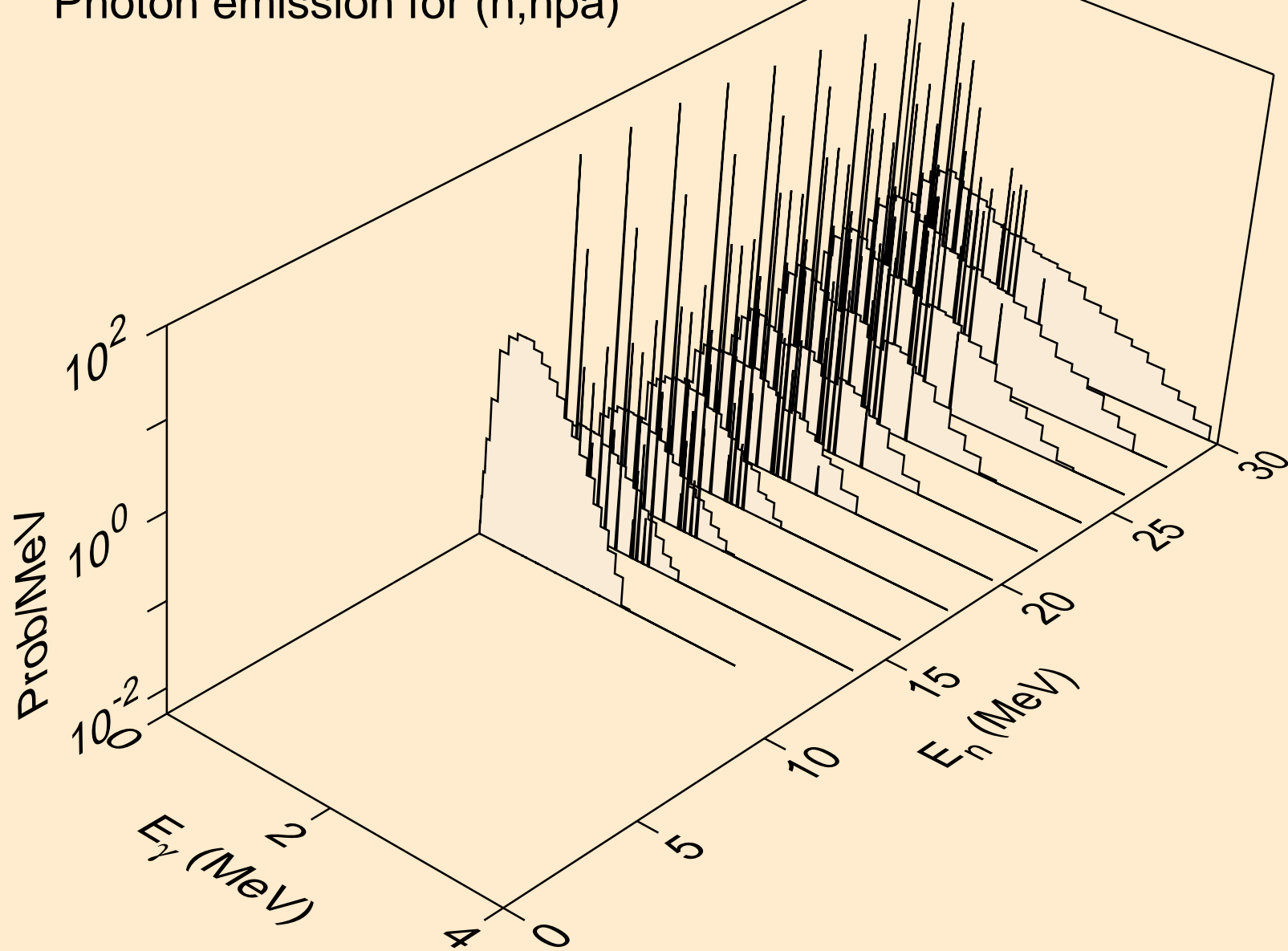
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Photon emission for (n,3np)



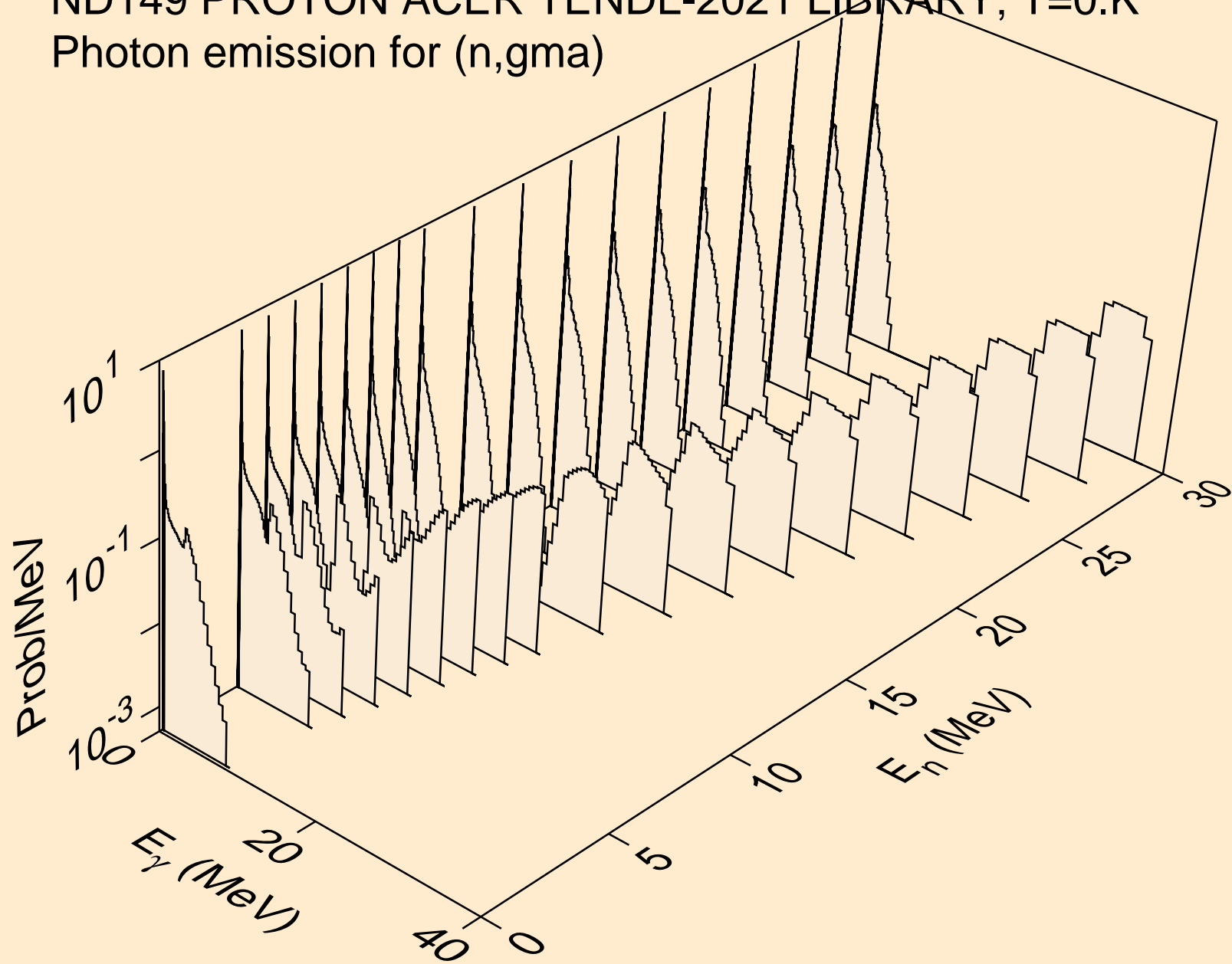
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,npa)

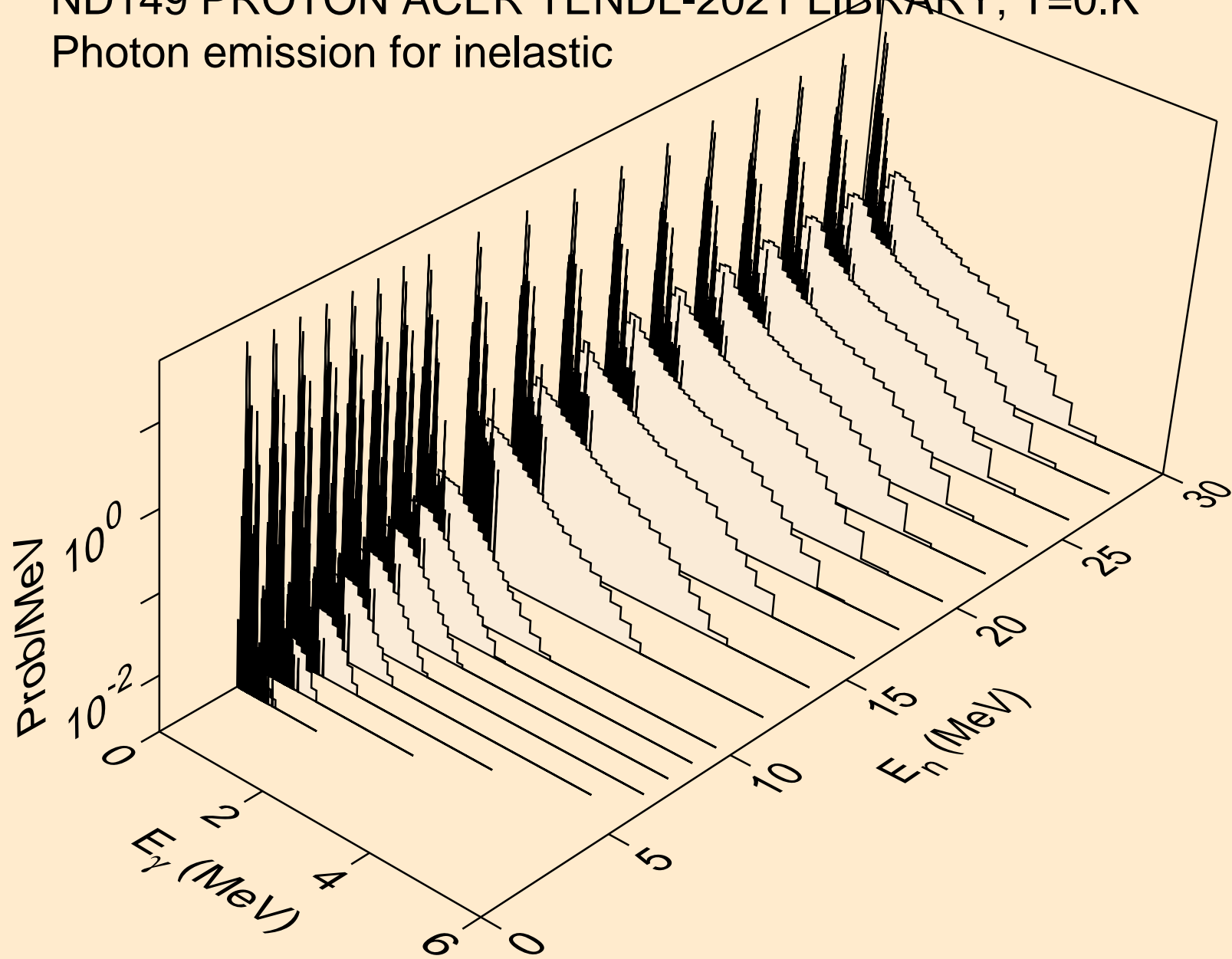


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Photon emission for (n,gma)

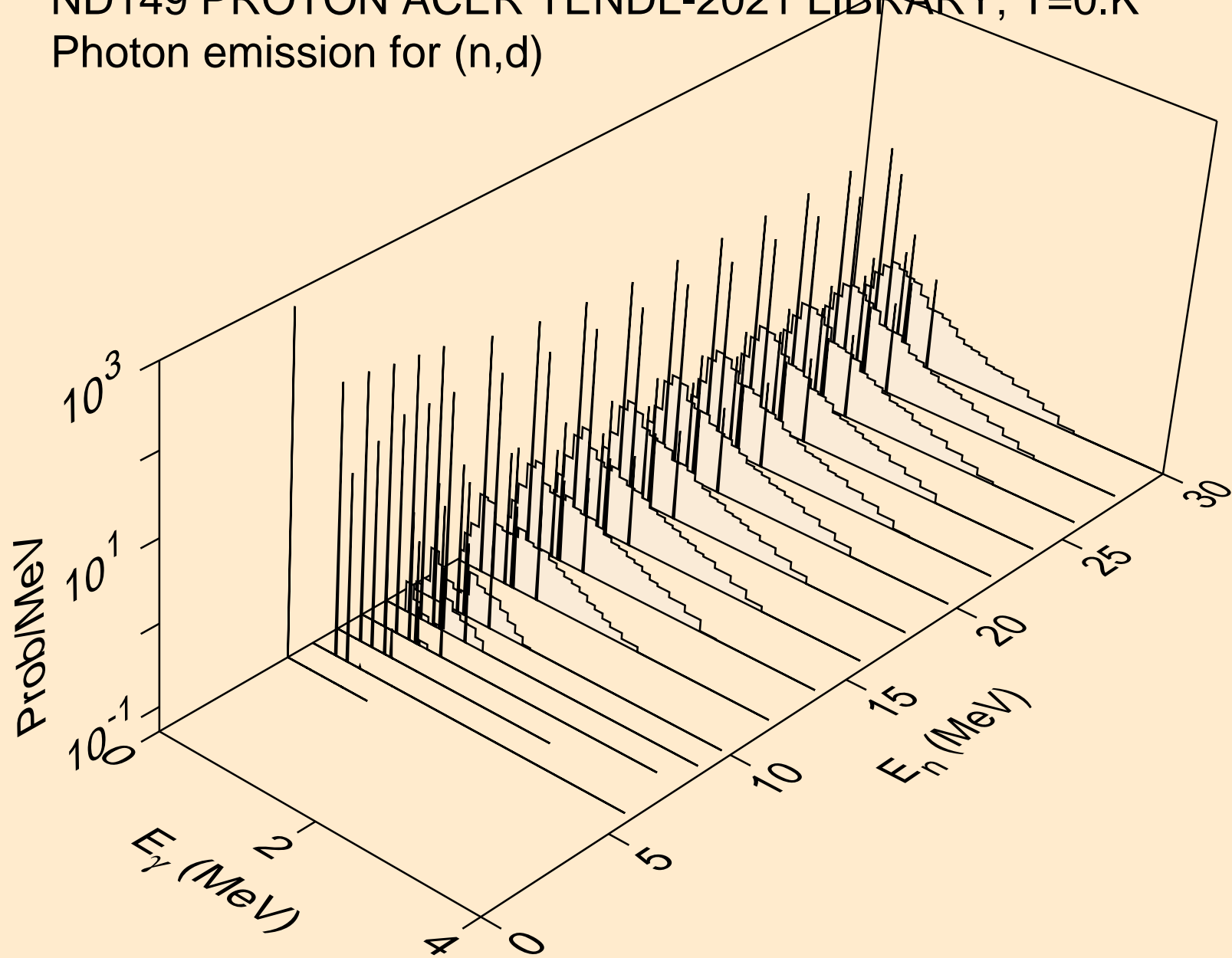




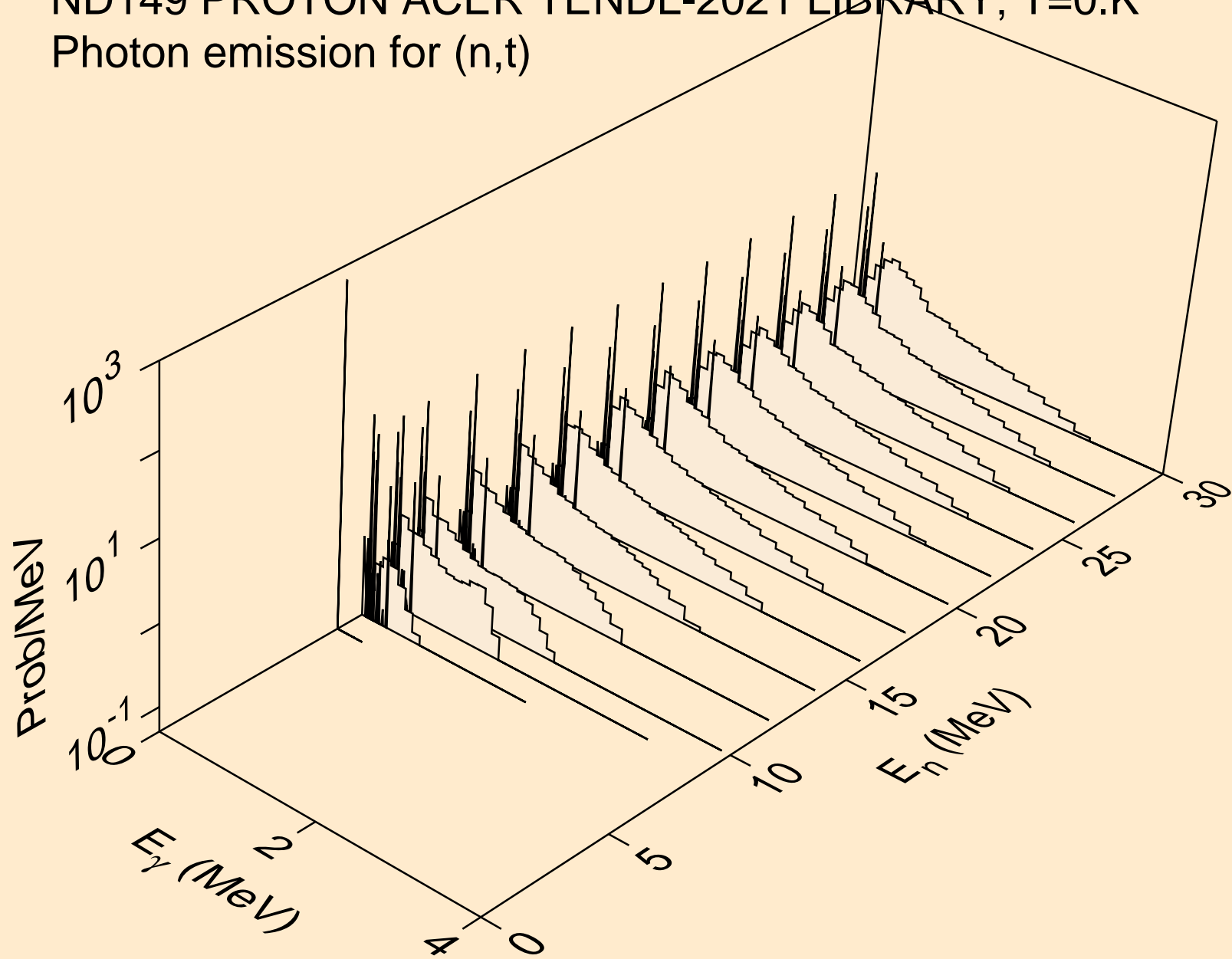
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



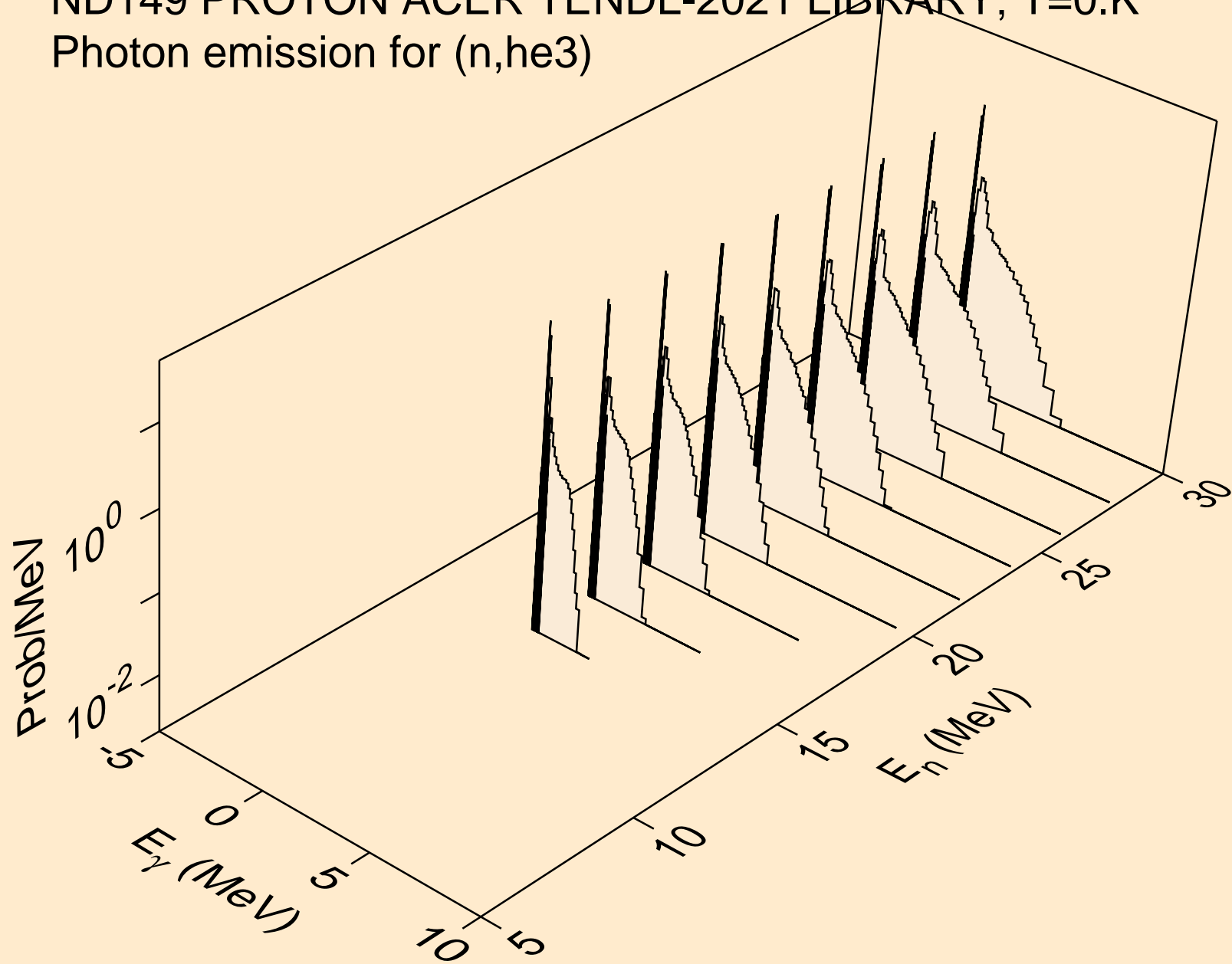
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Photon emission for (n,d)



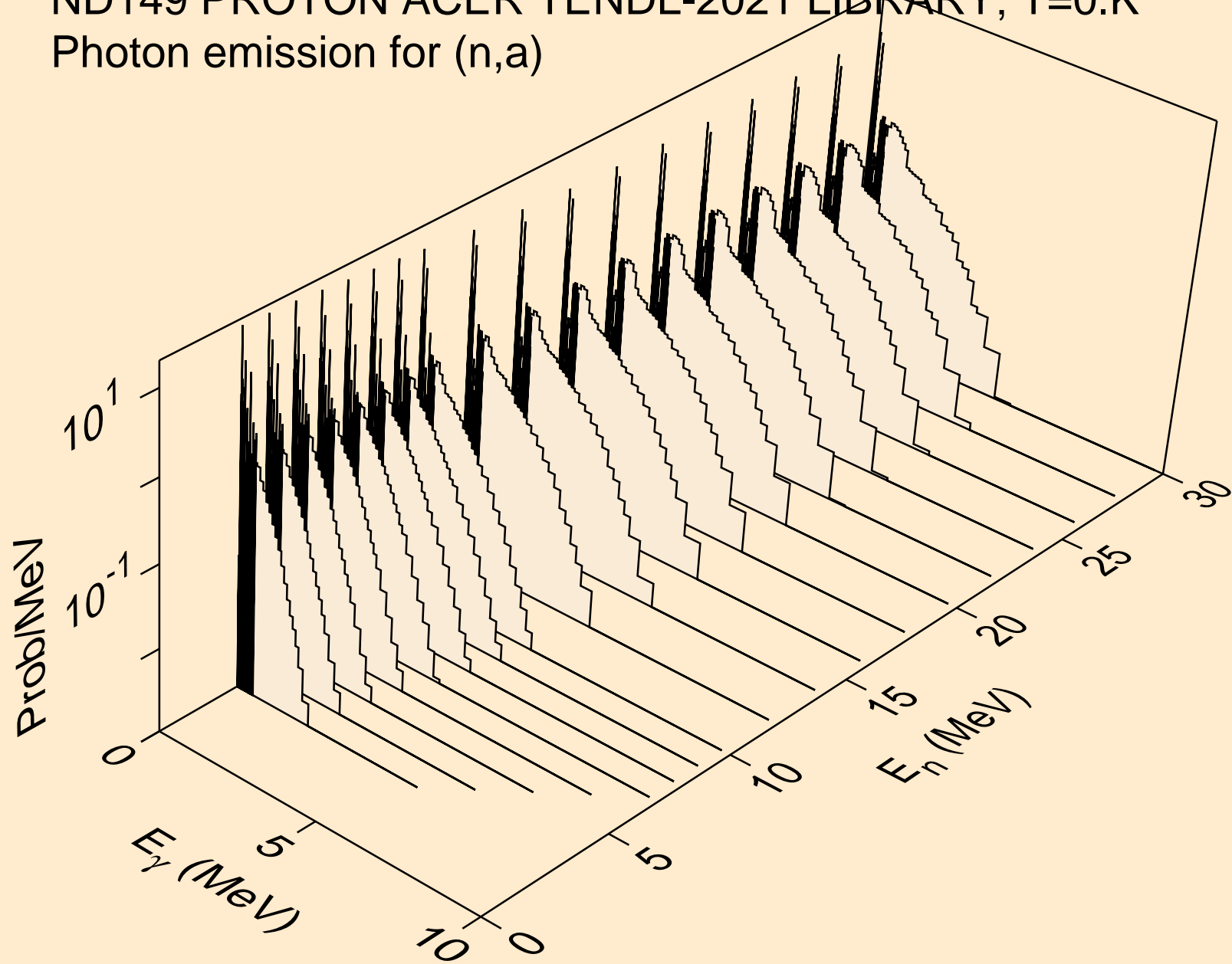
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Photon emission for (n,t)



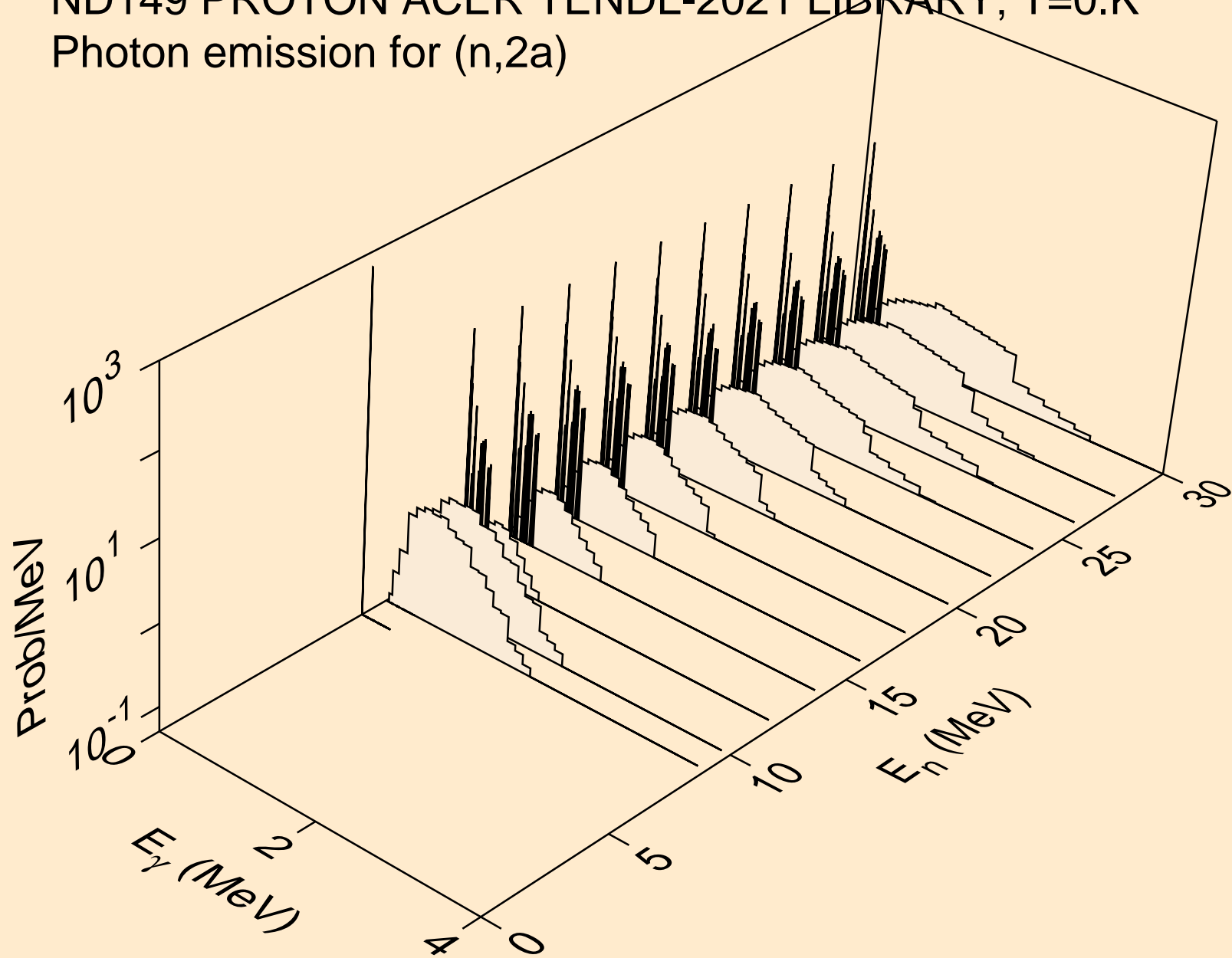
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Photon emission for (n,he3)



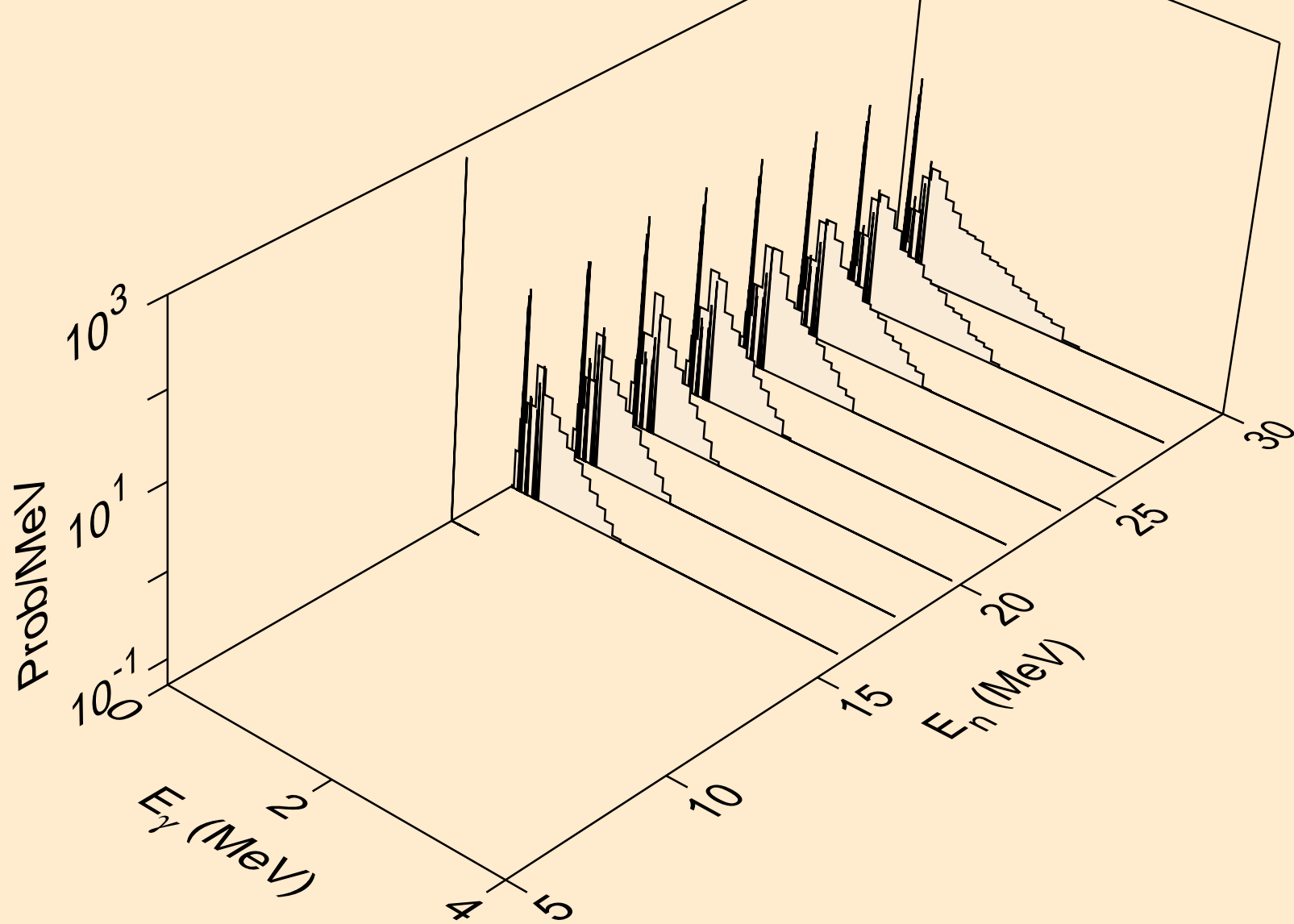
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Photon emission for (n,a)



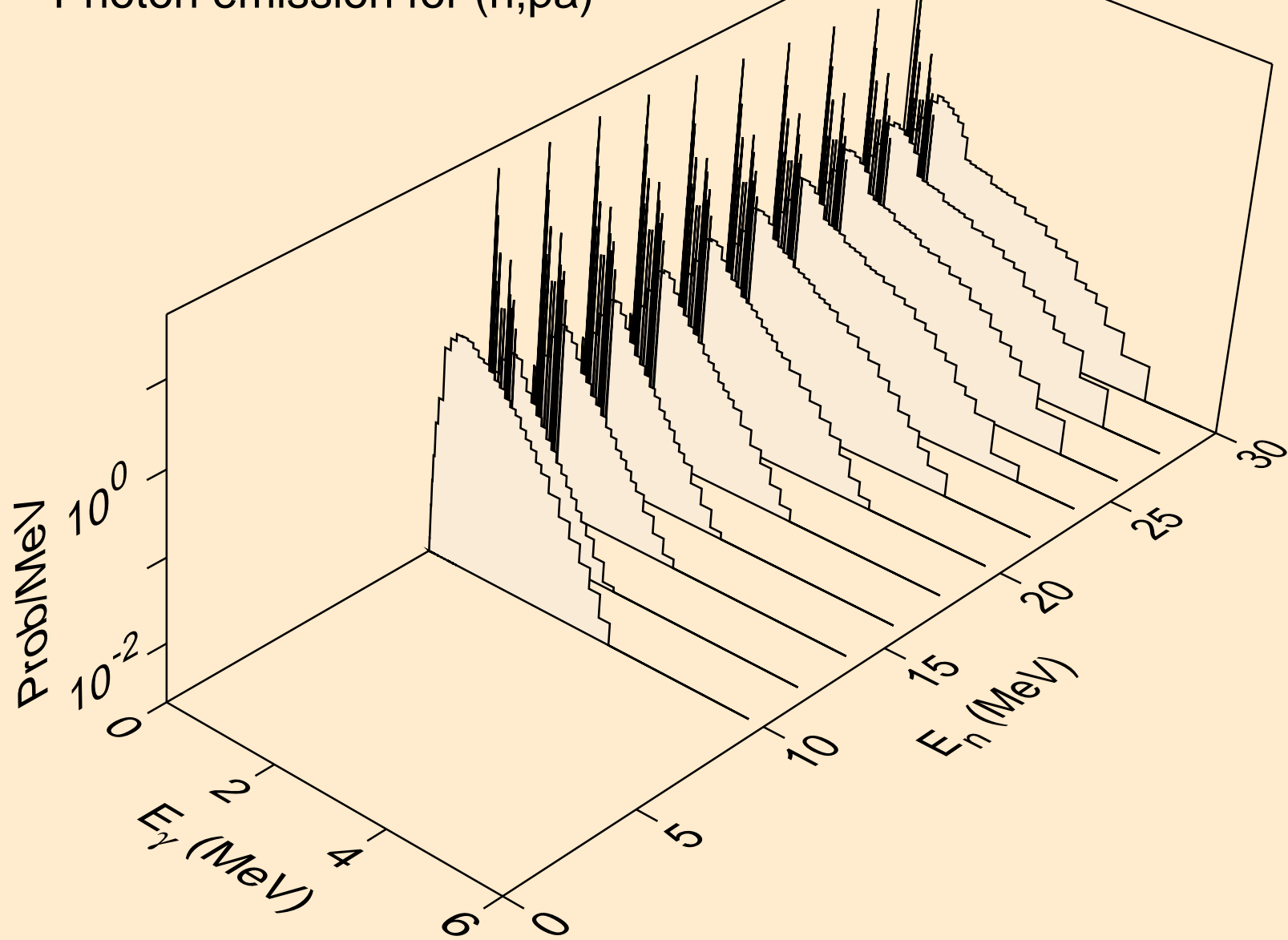
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2a)



ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)

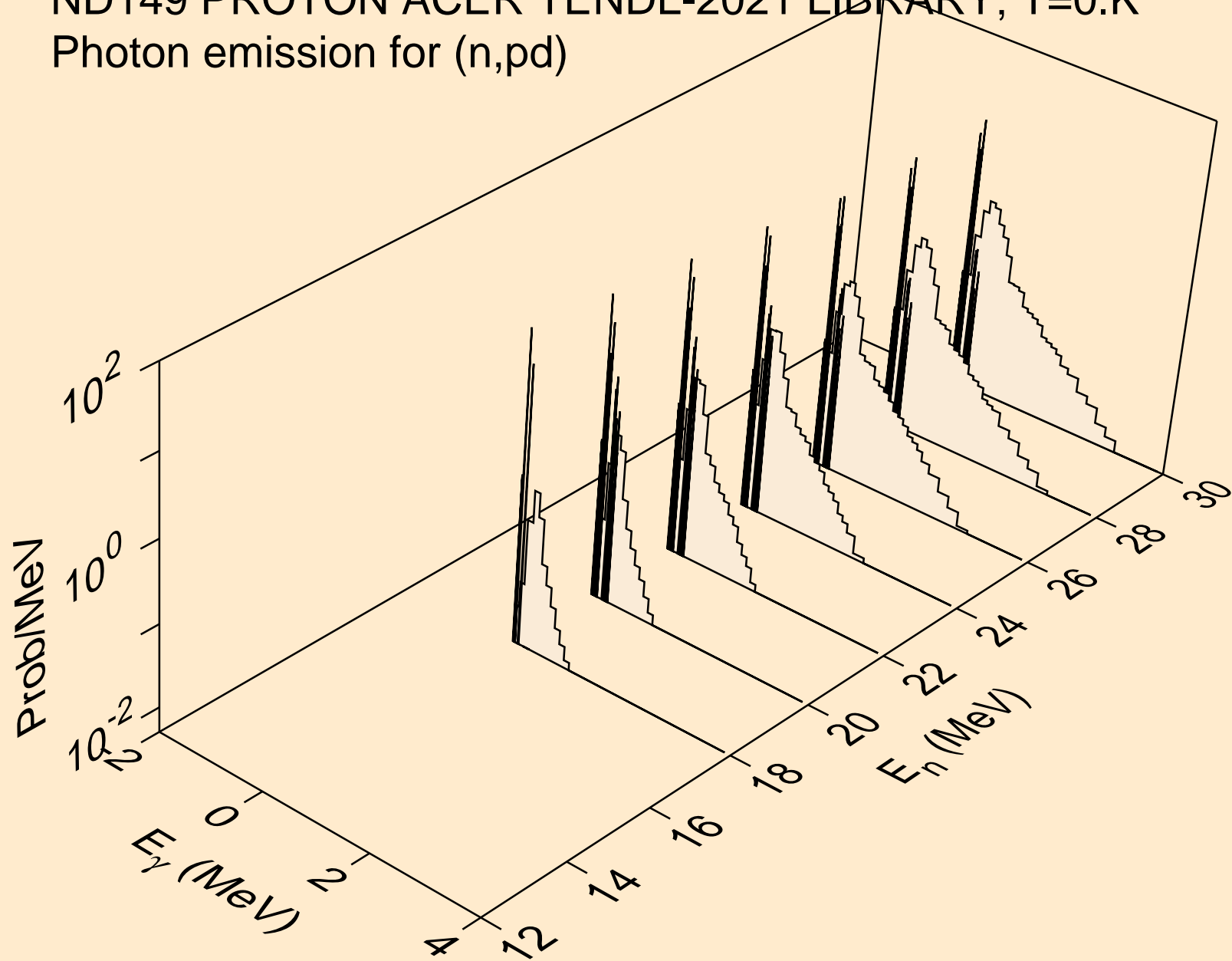


ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pa)

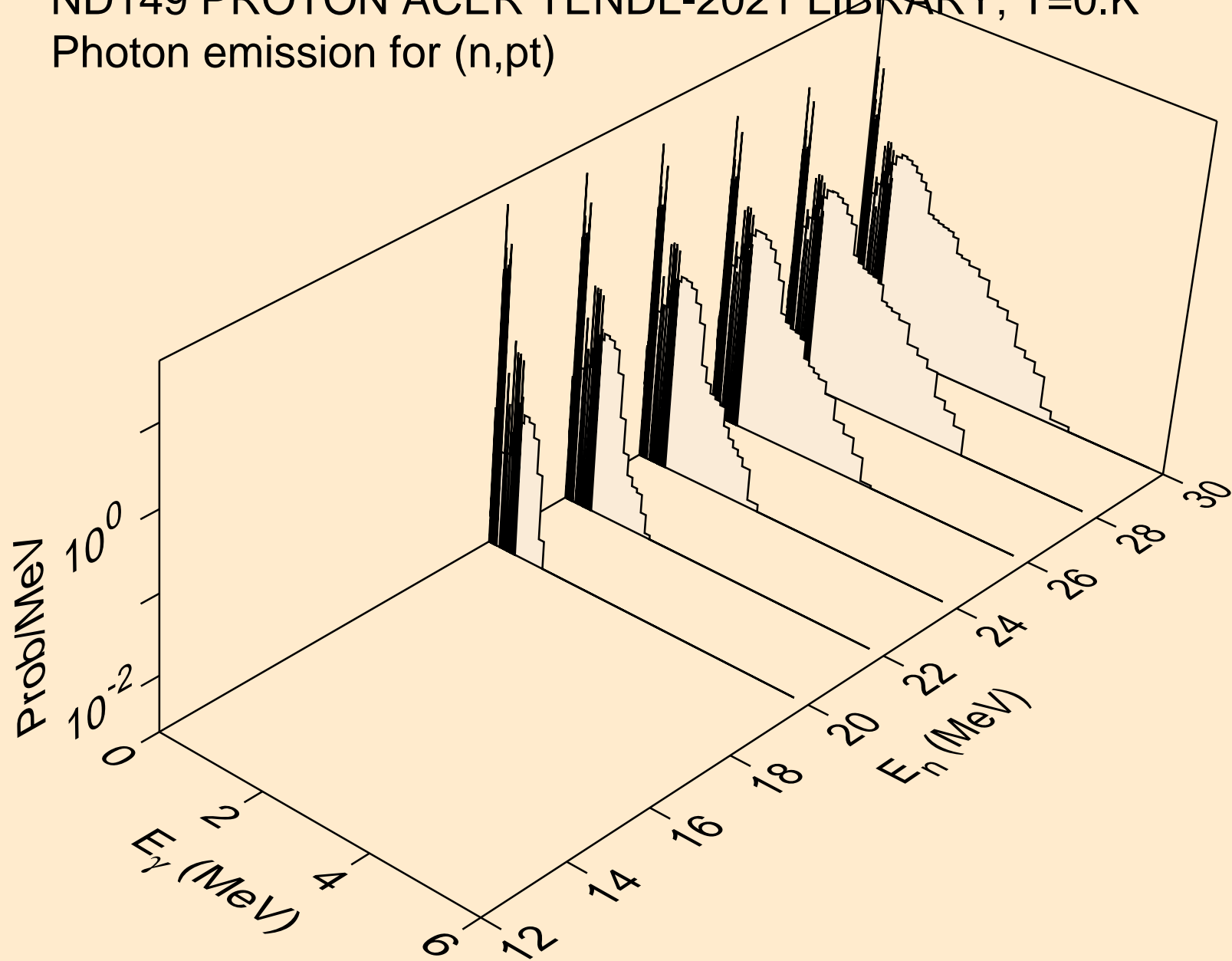




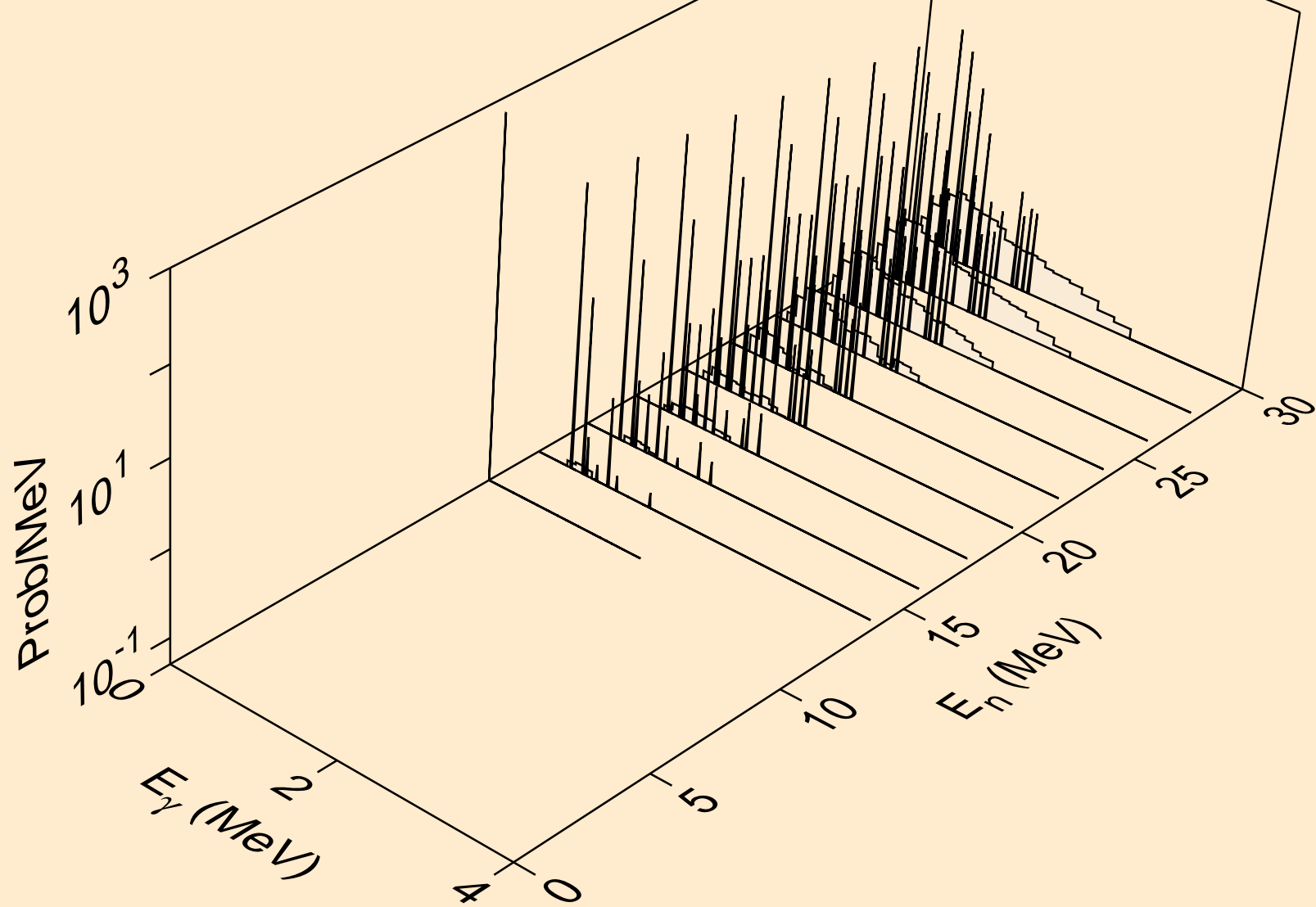
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)



ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)

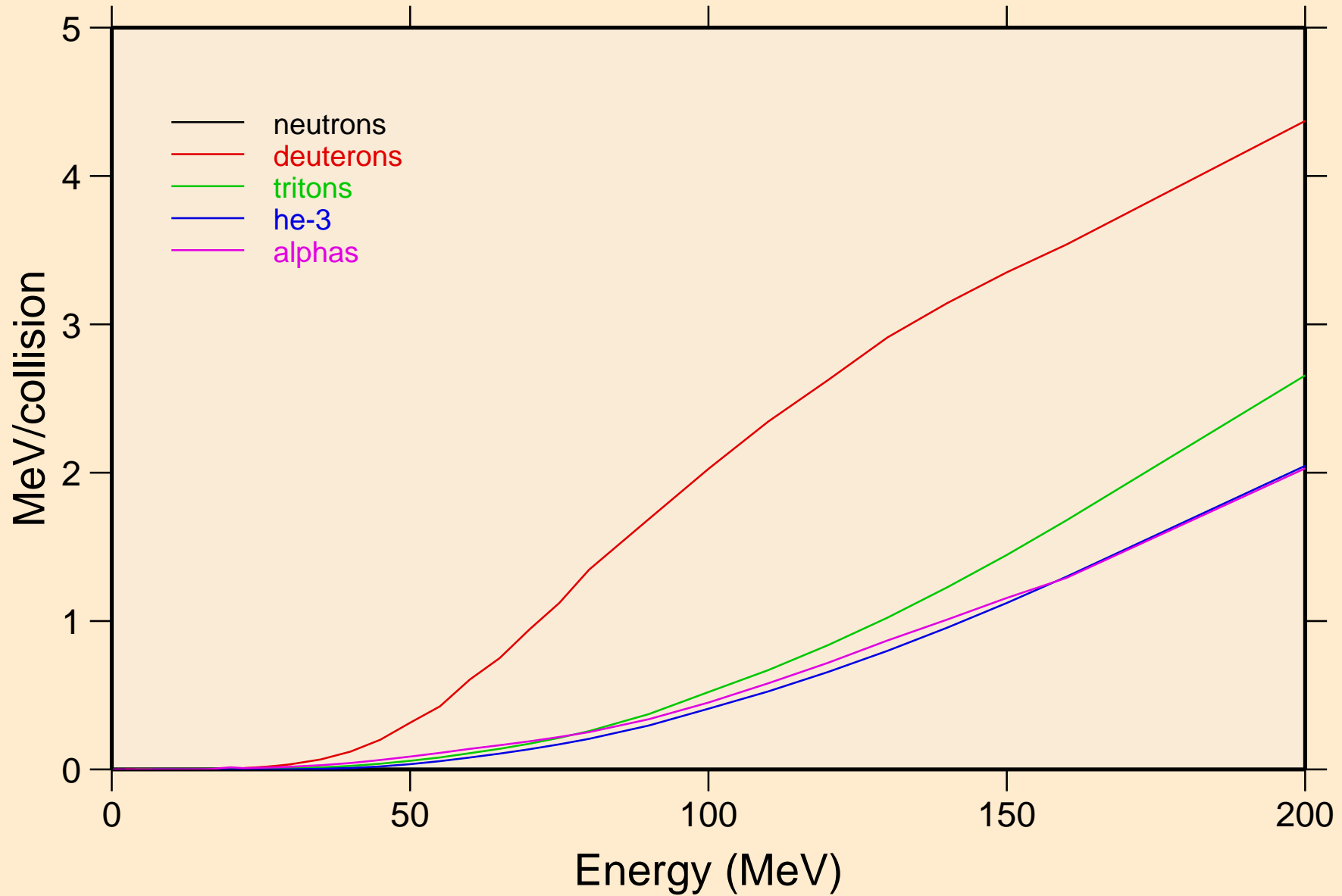


ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,da)

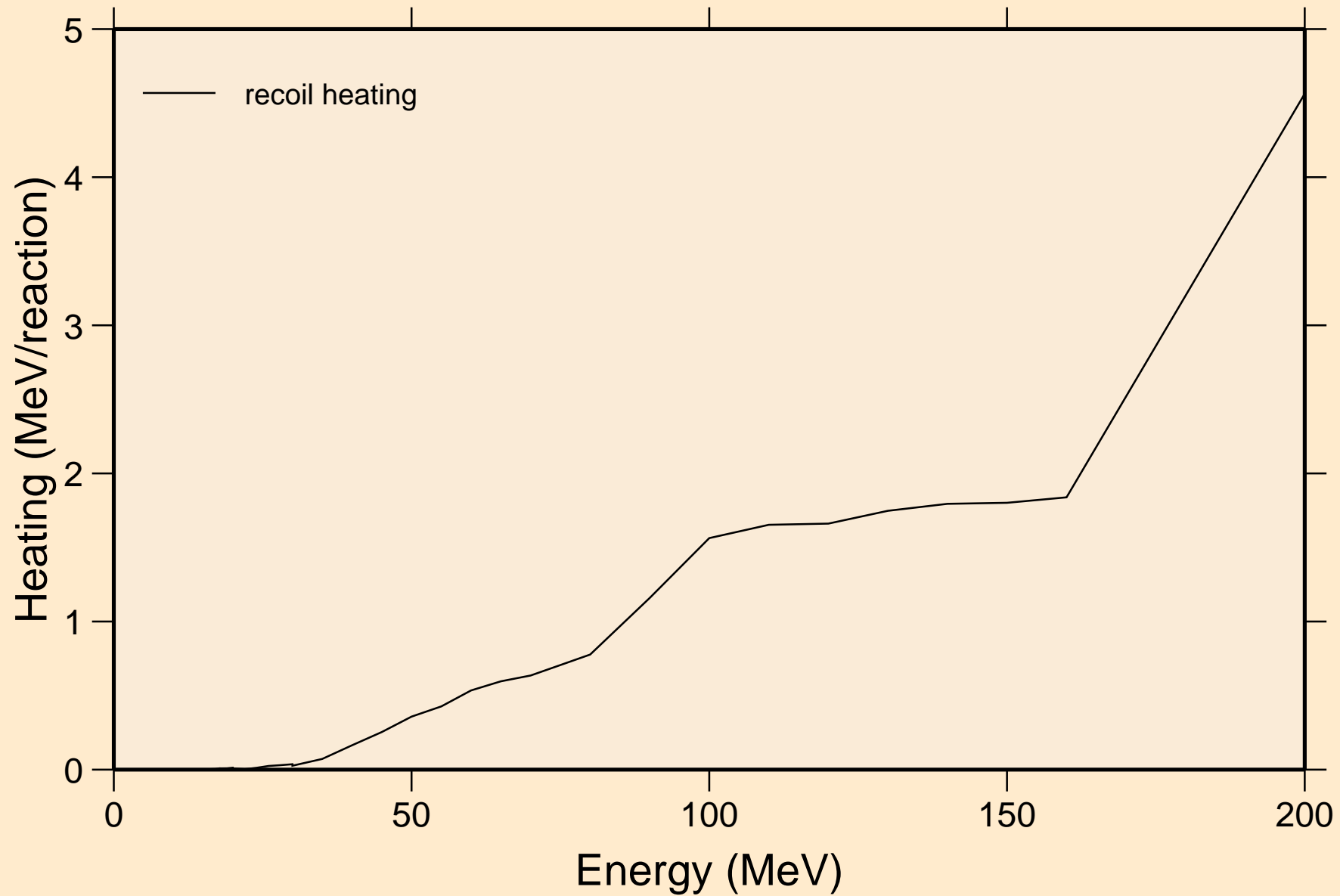


# ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K

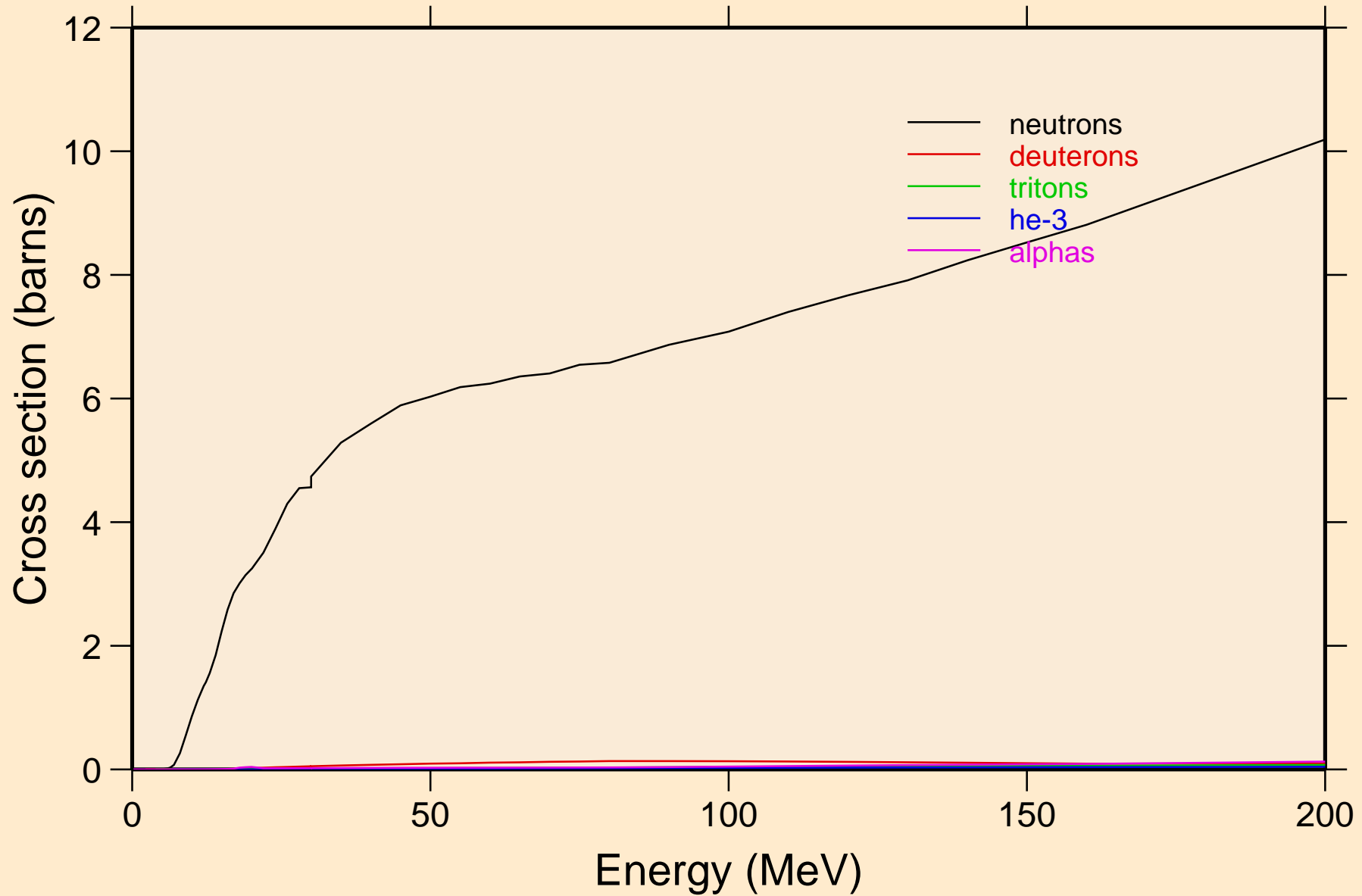
## Particle heating contributions



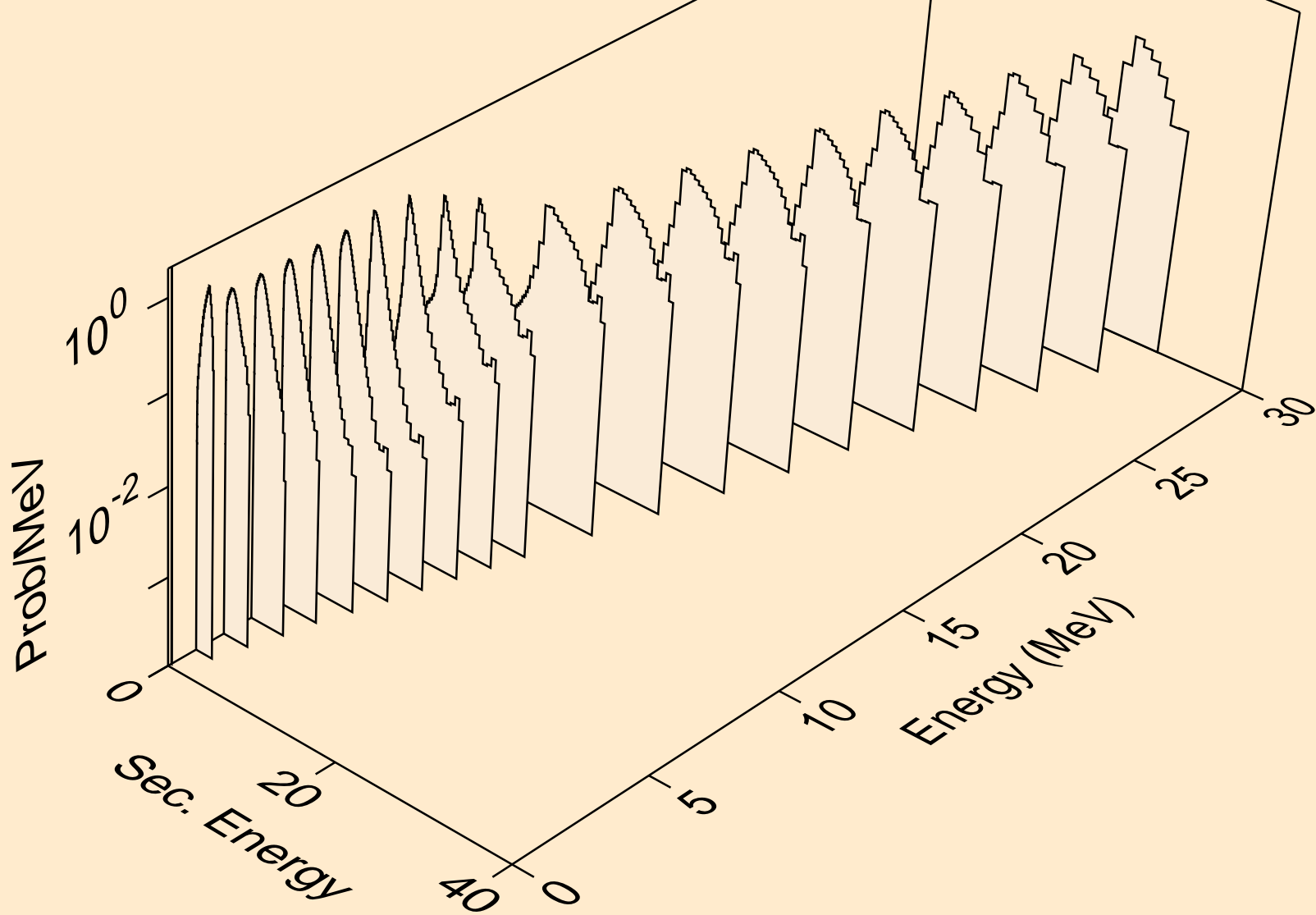
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Recoil Heating



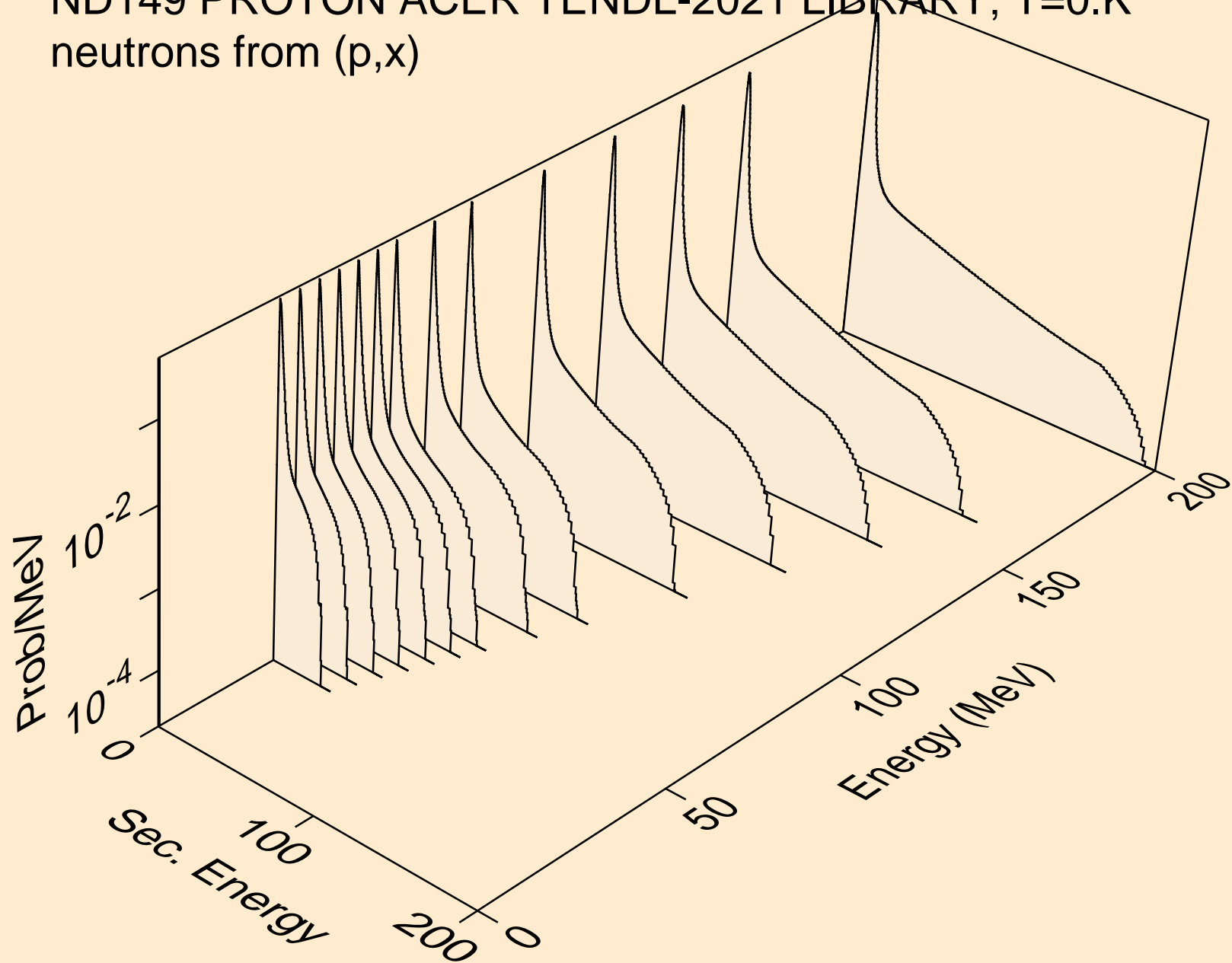
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections



ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n)

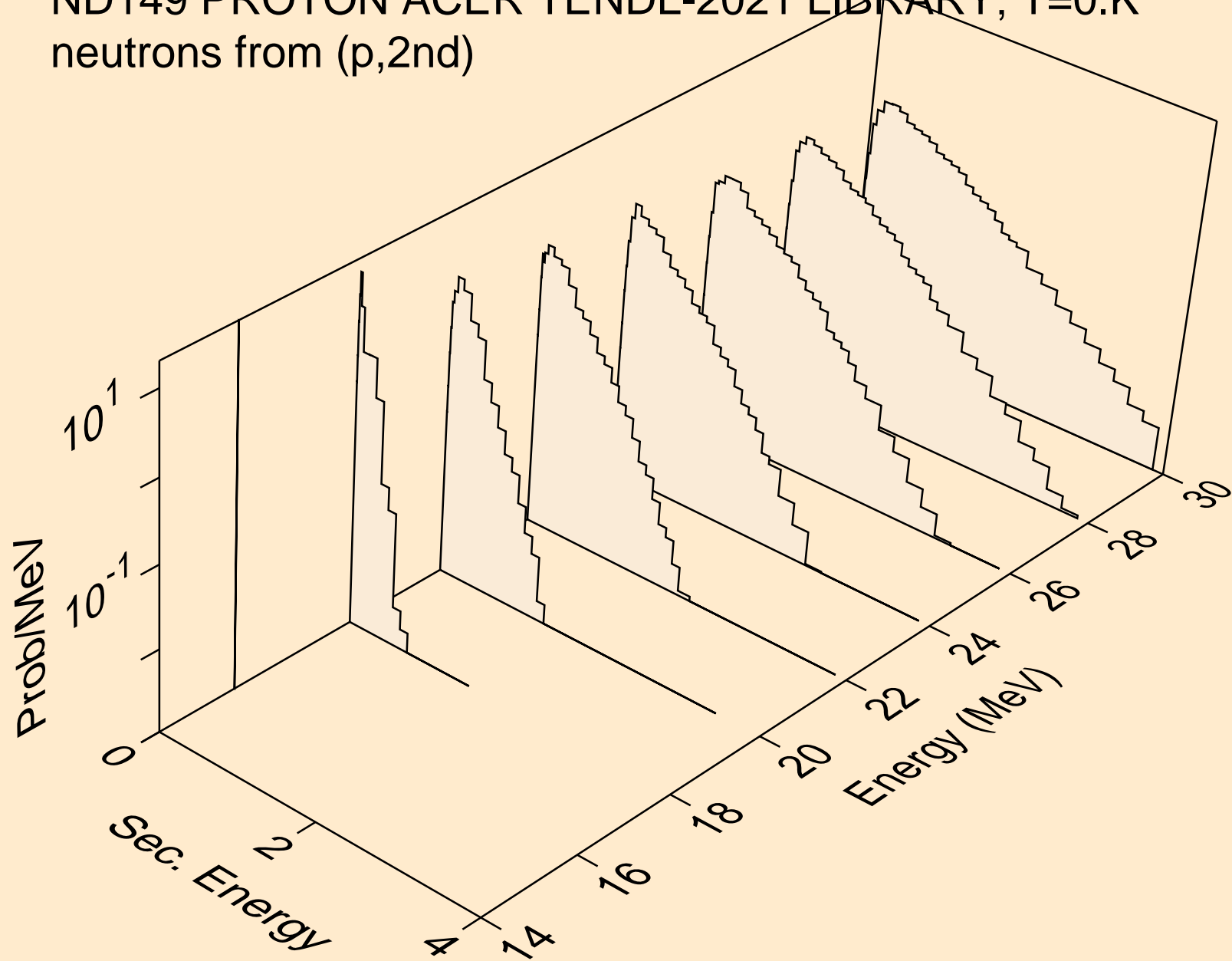


ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,x)

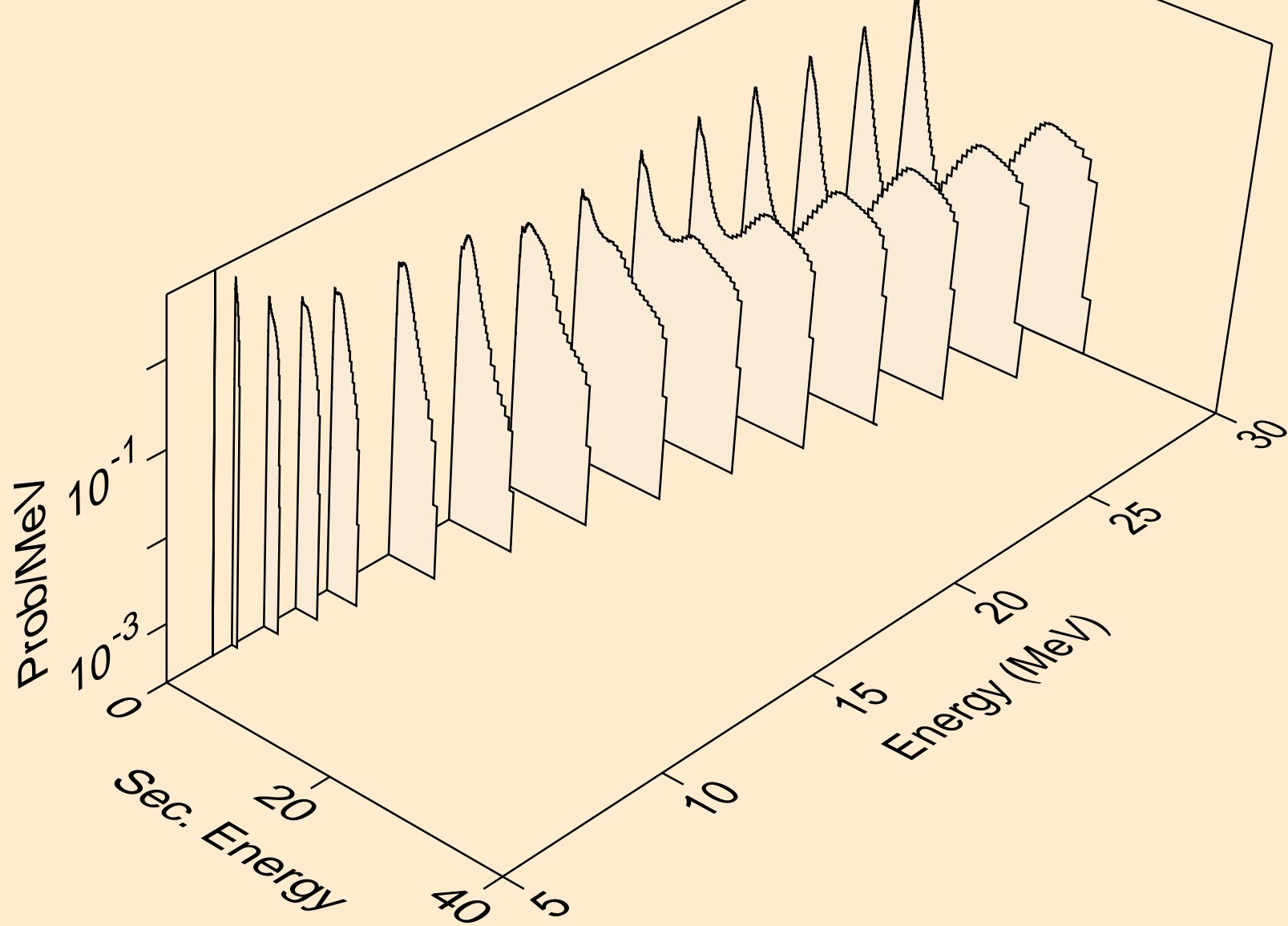




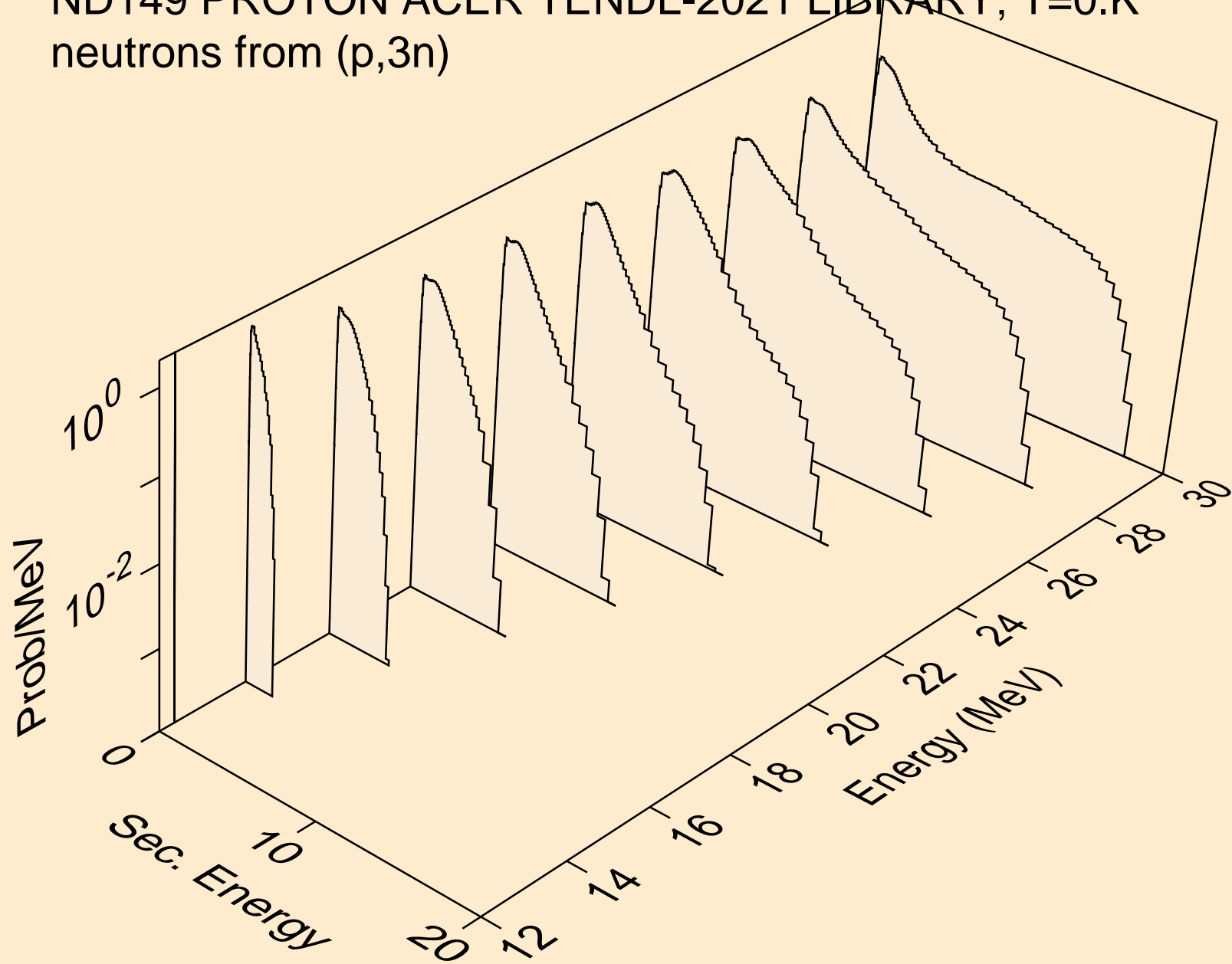
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2nd)



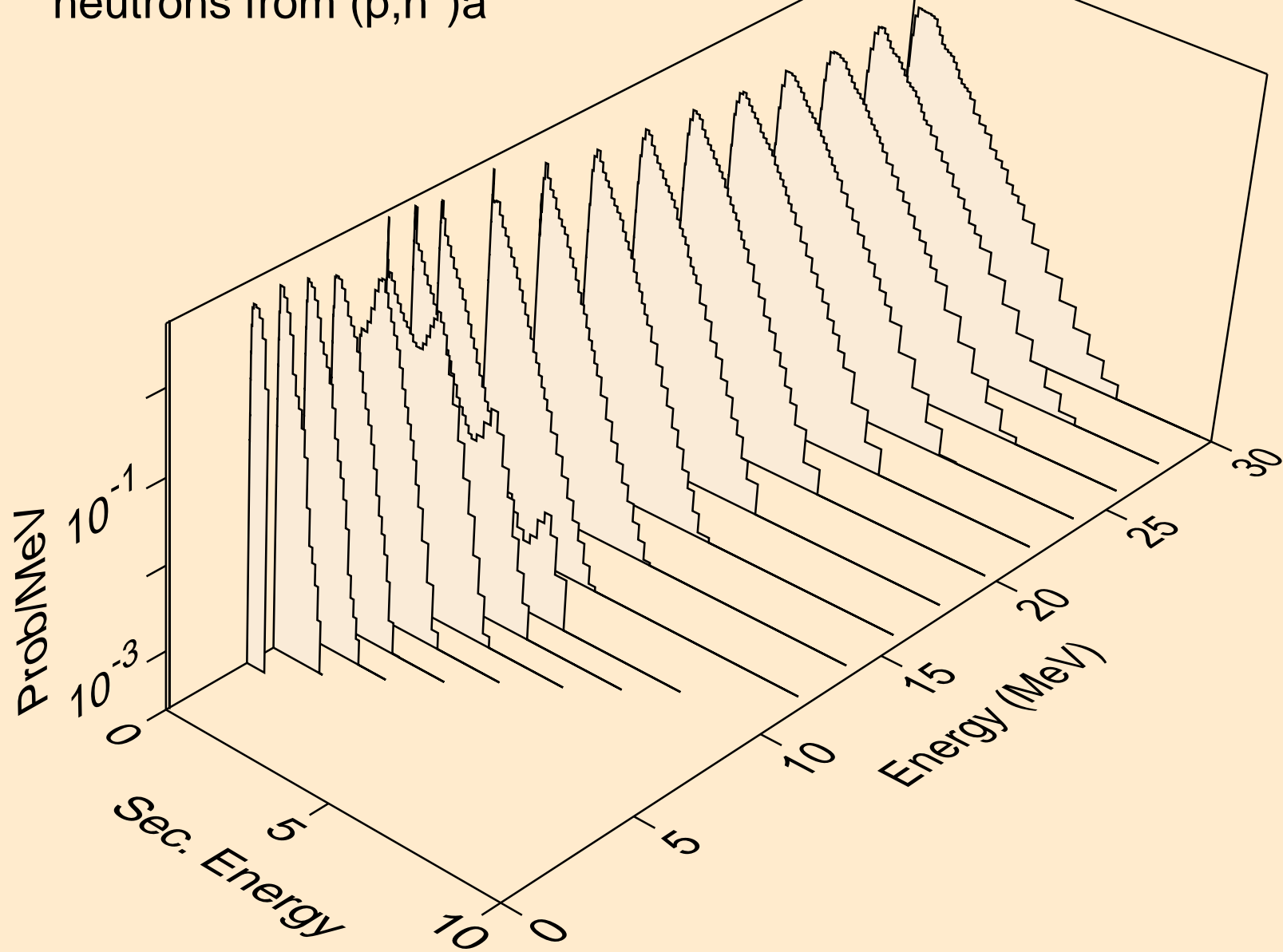
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neutrons from (p,2n)



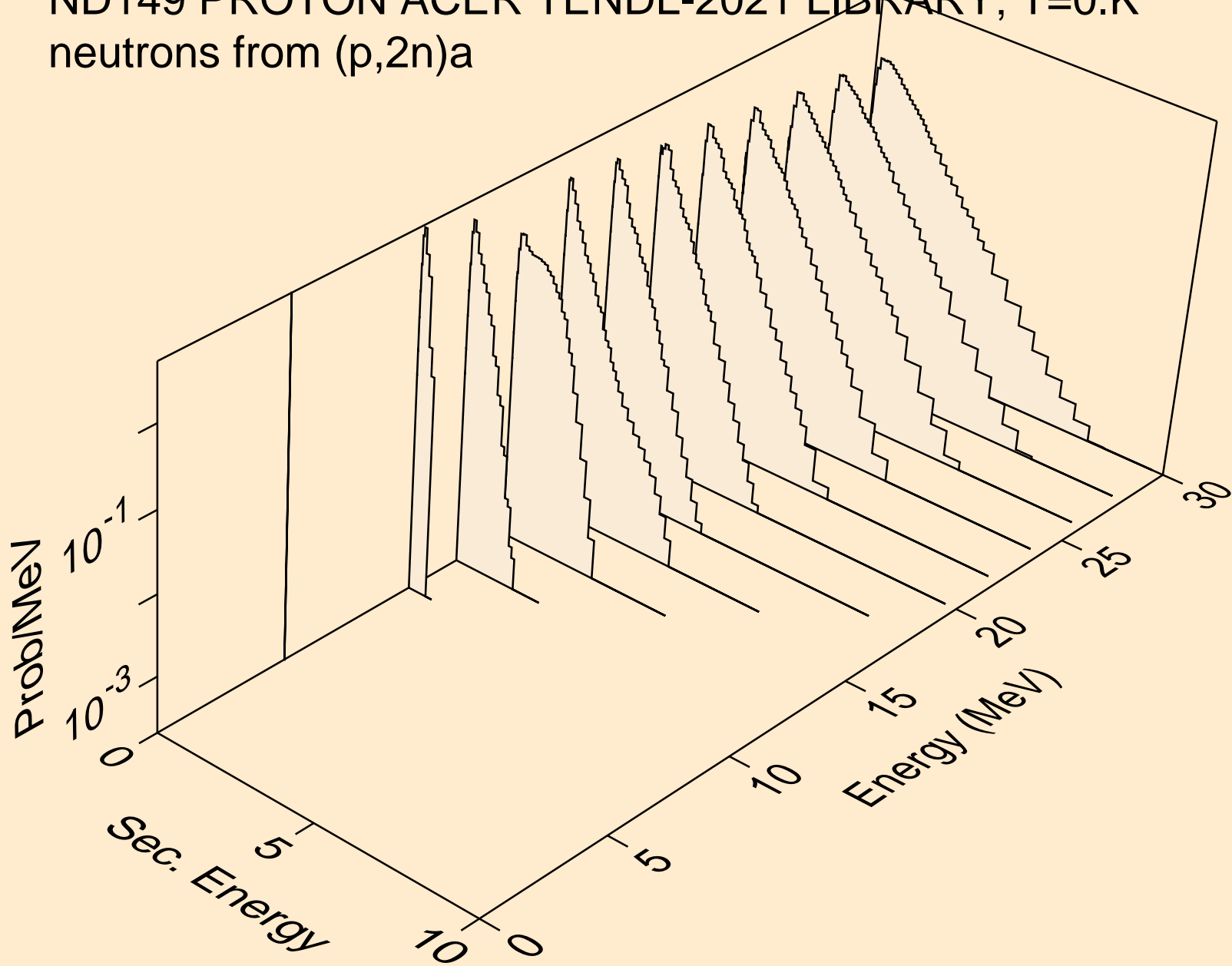
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3n)



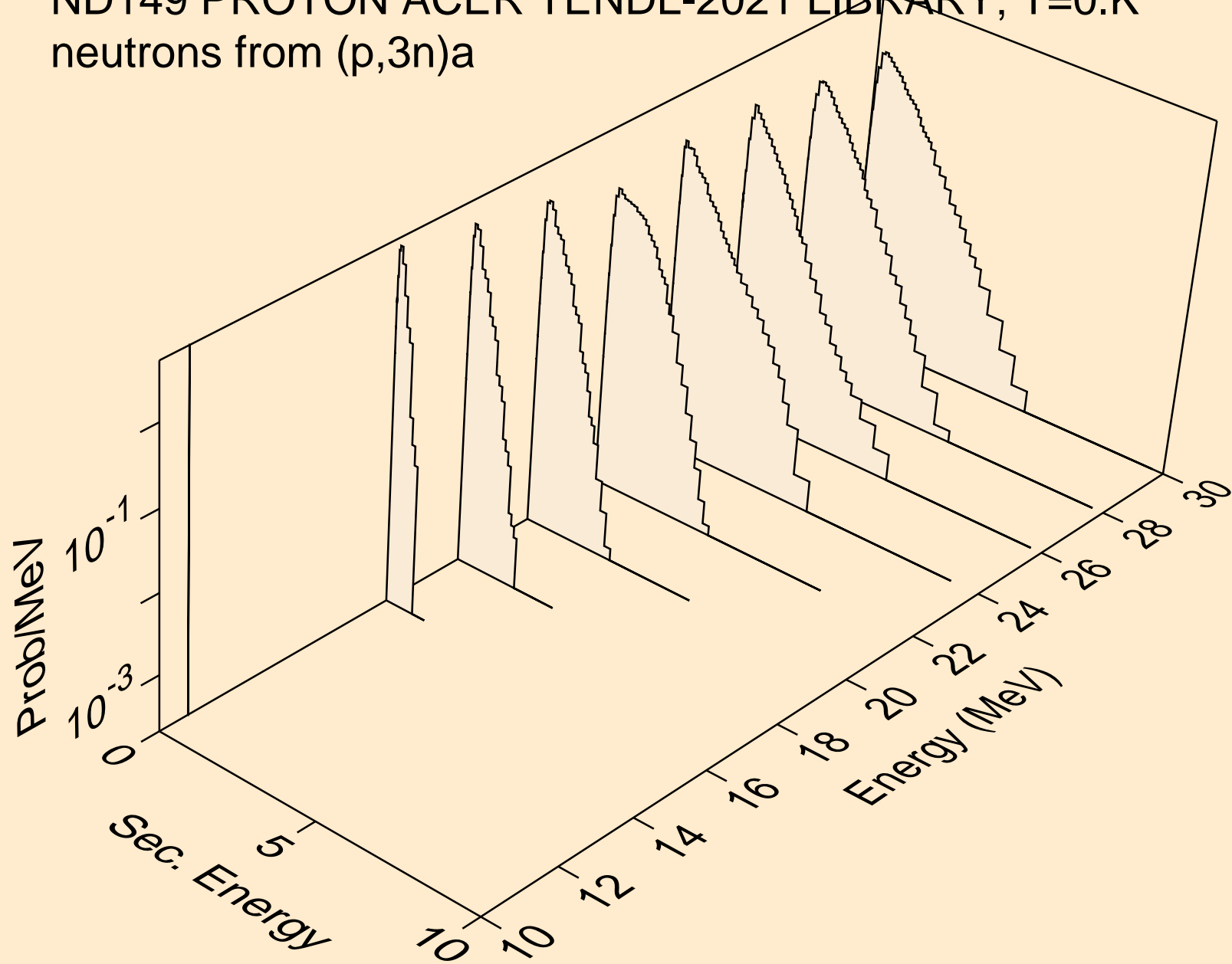
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)a



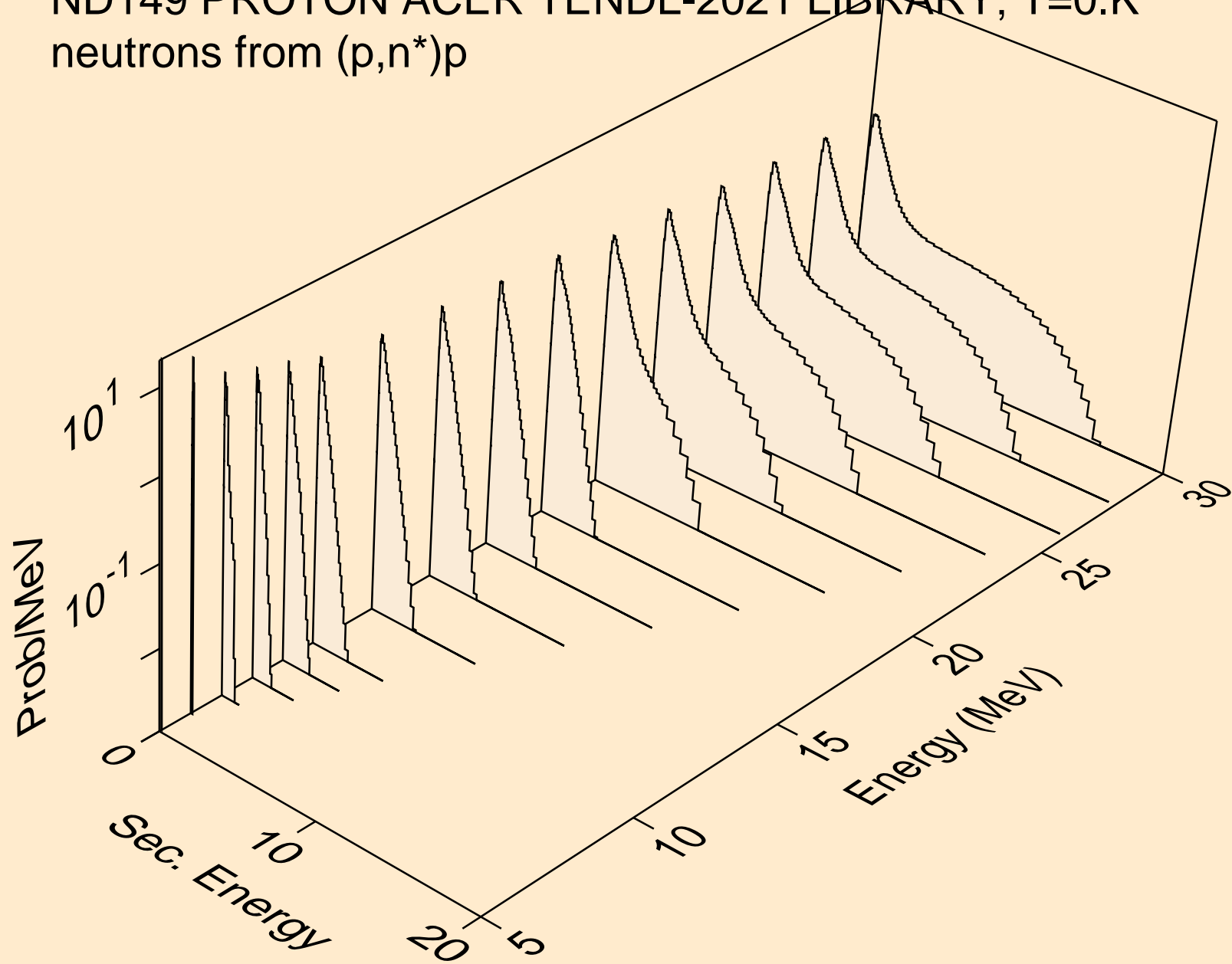
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neutrons from (p,2n)a



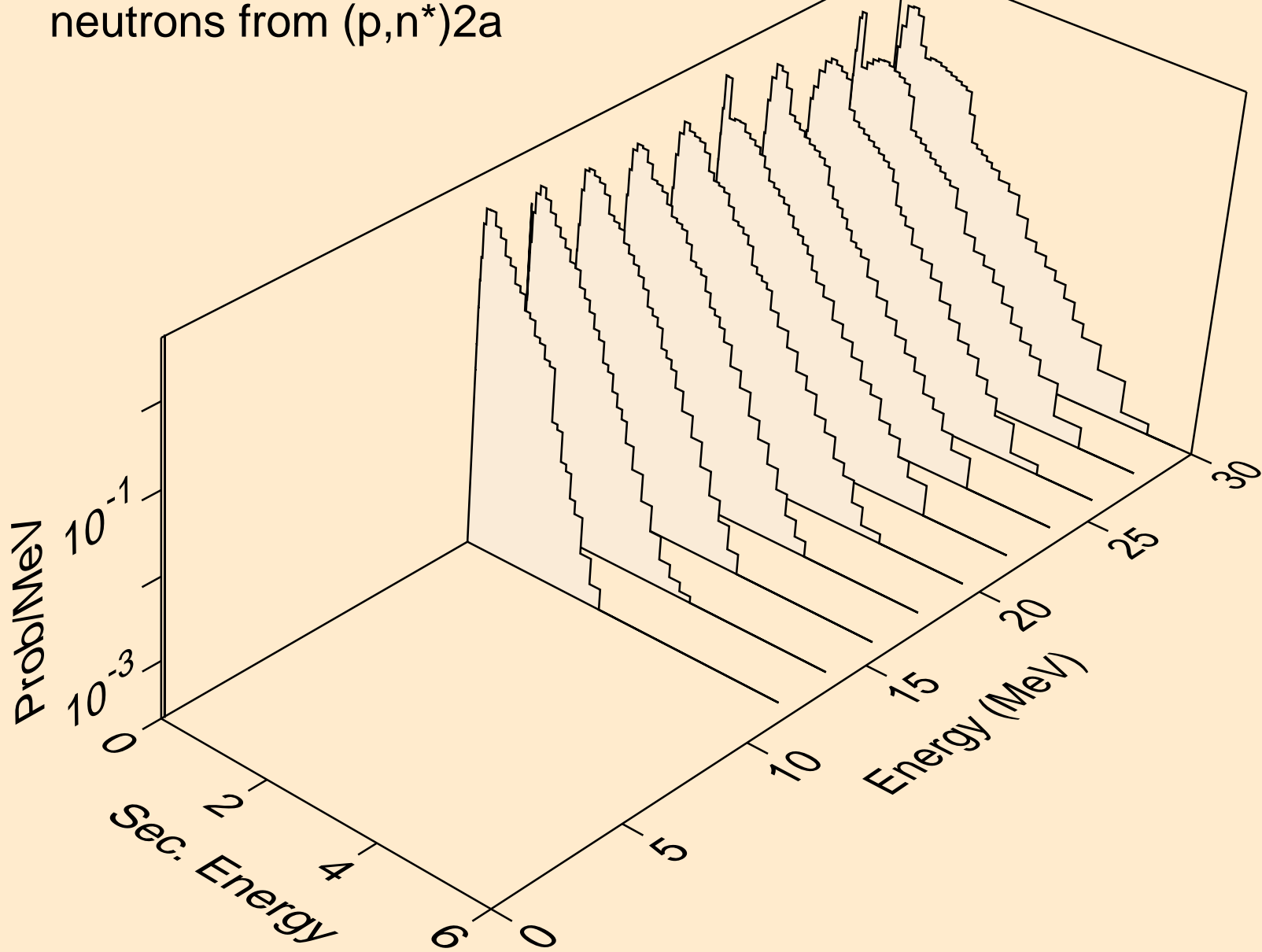
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3n)a



ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)p

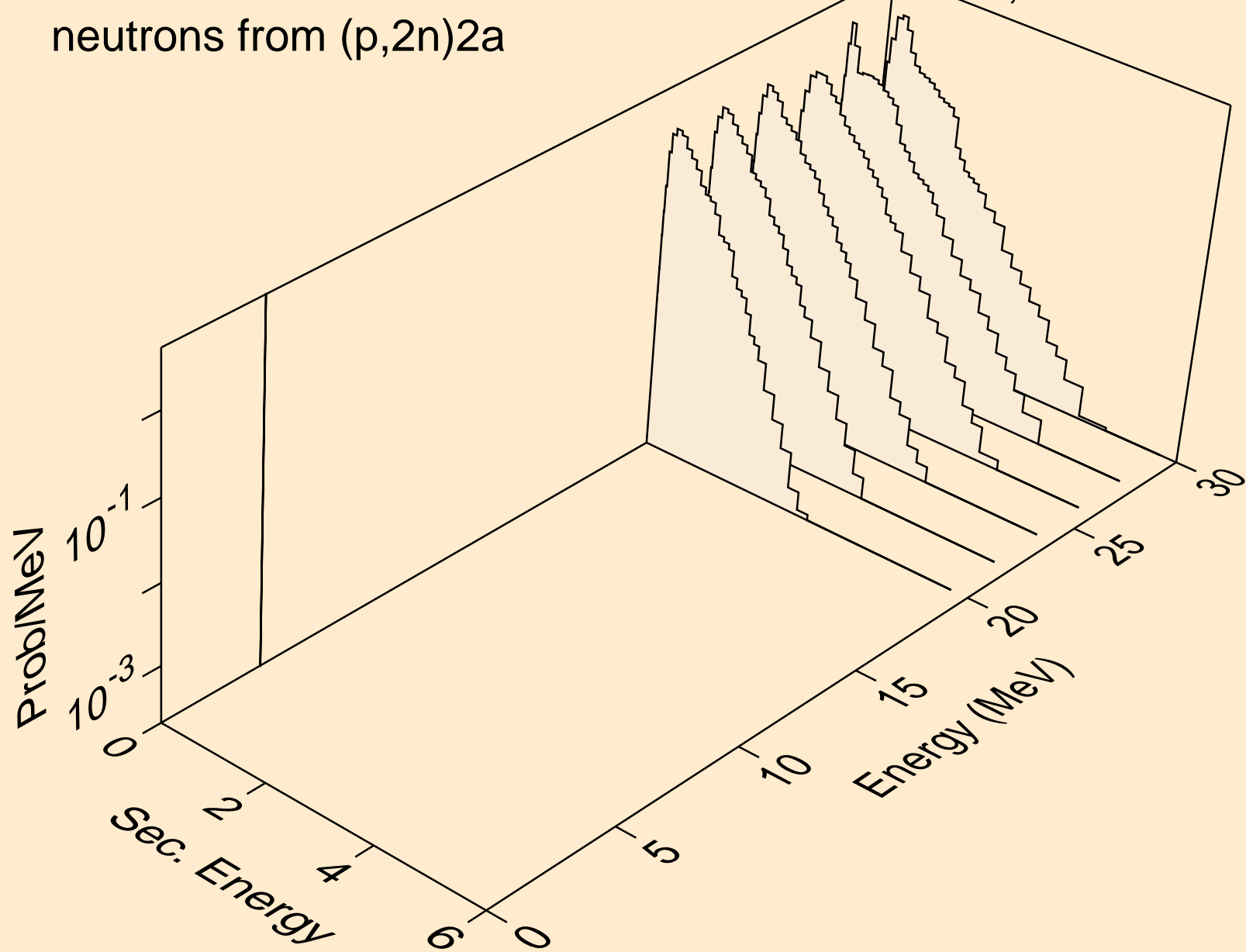


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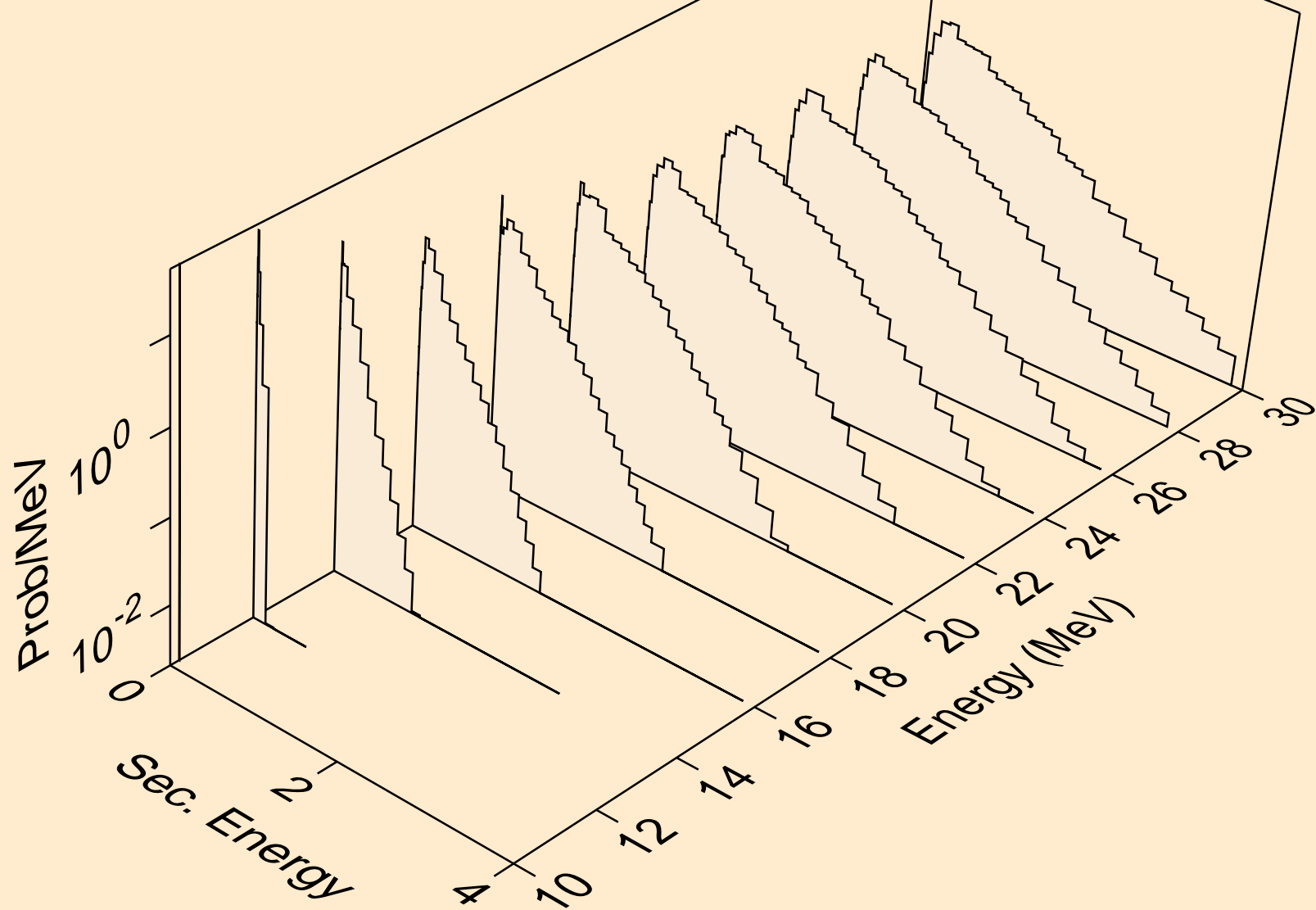




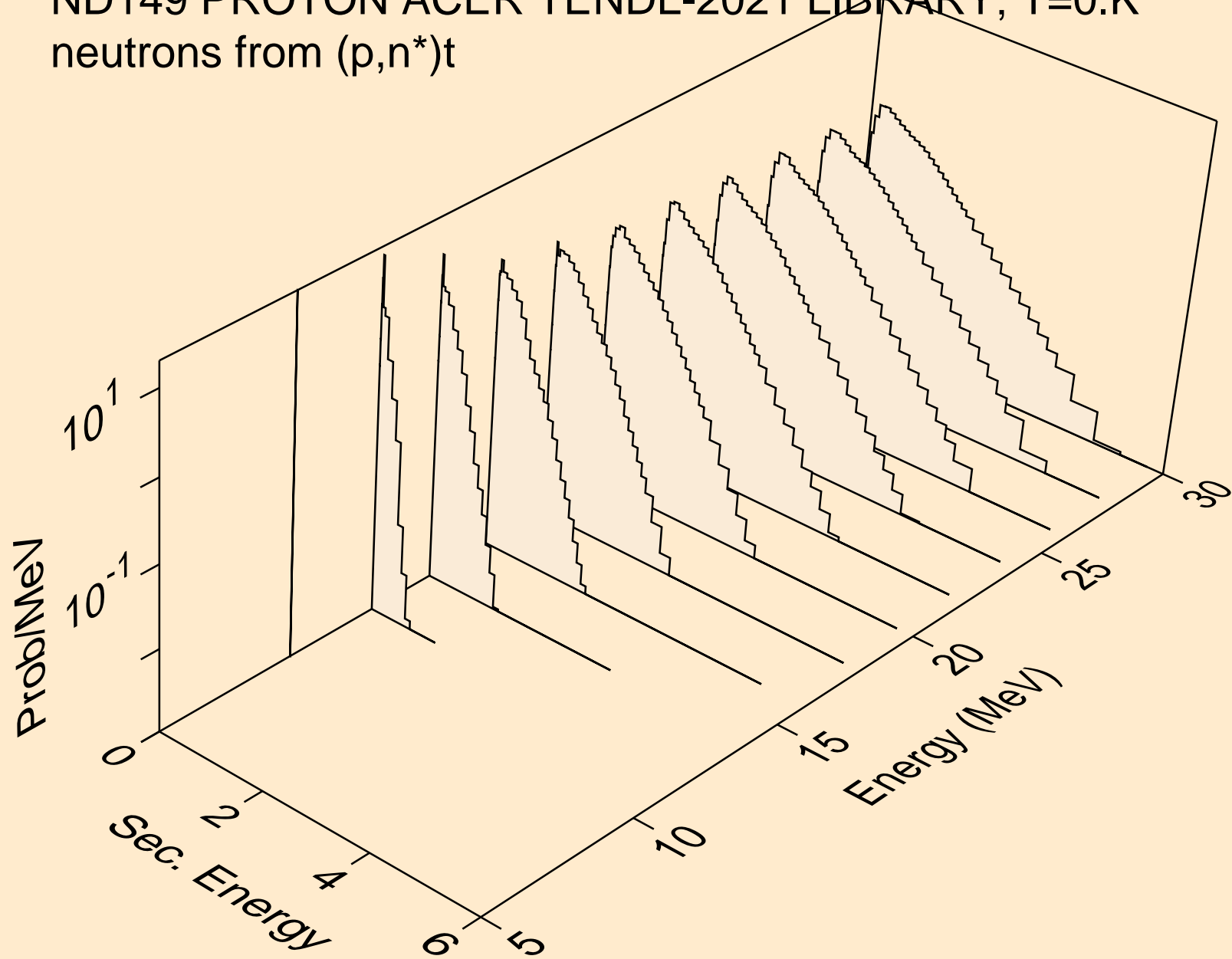
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neutrons from (p,2n)2a



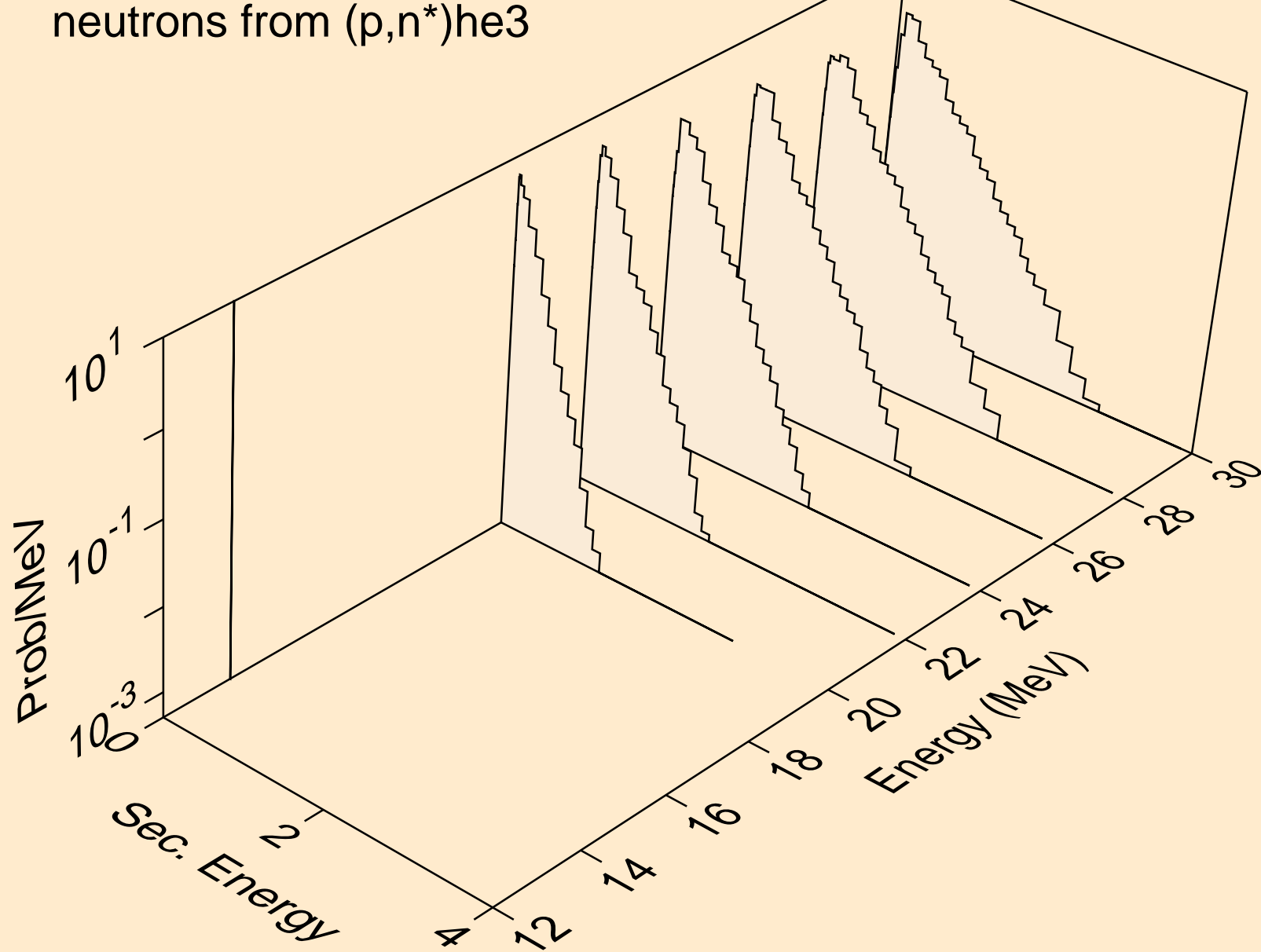
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neutrons from (p,n\*)d



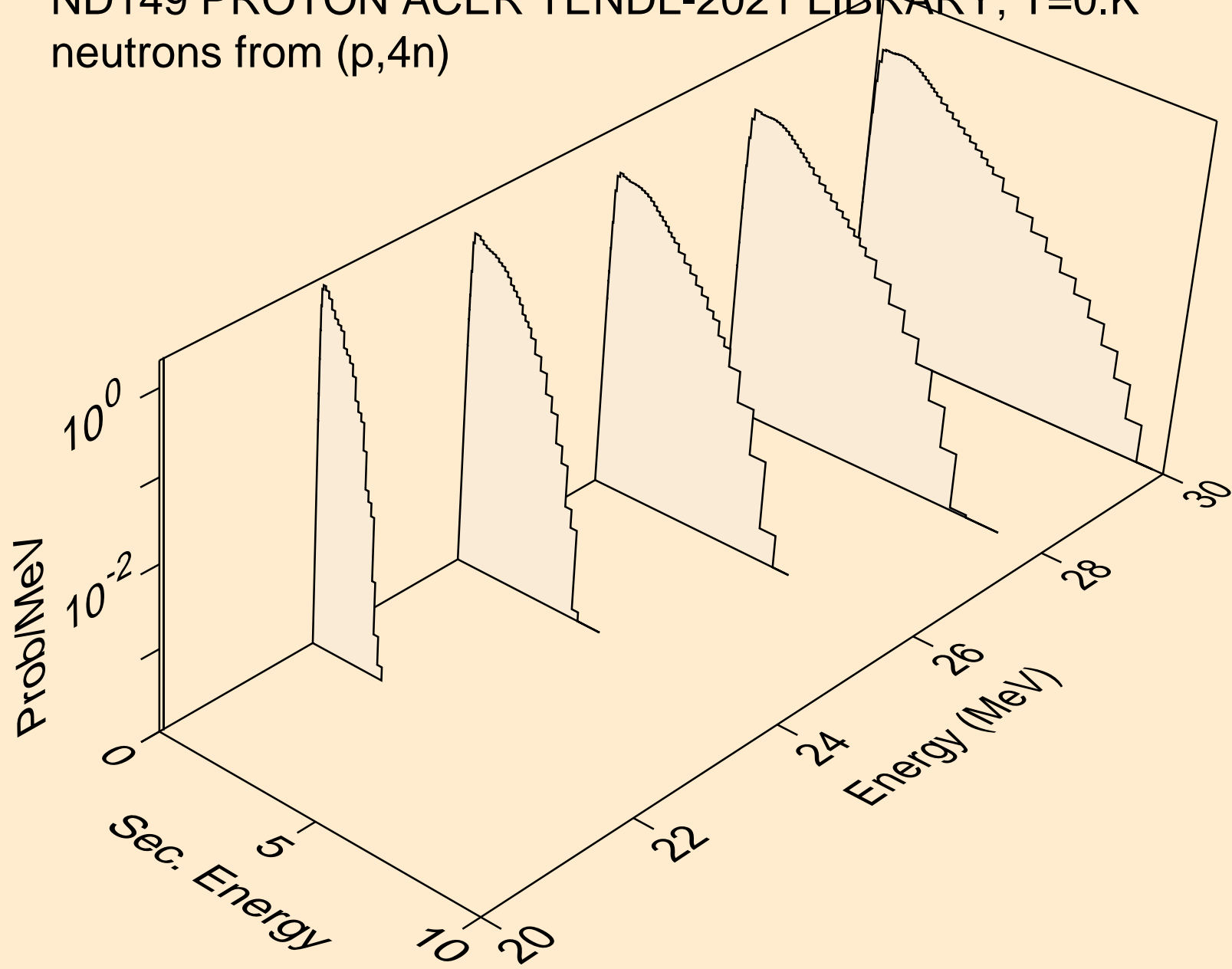
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)t



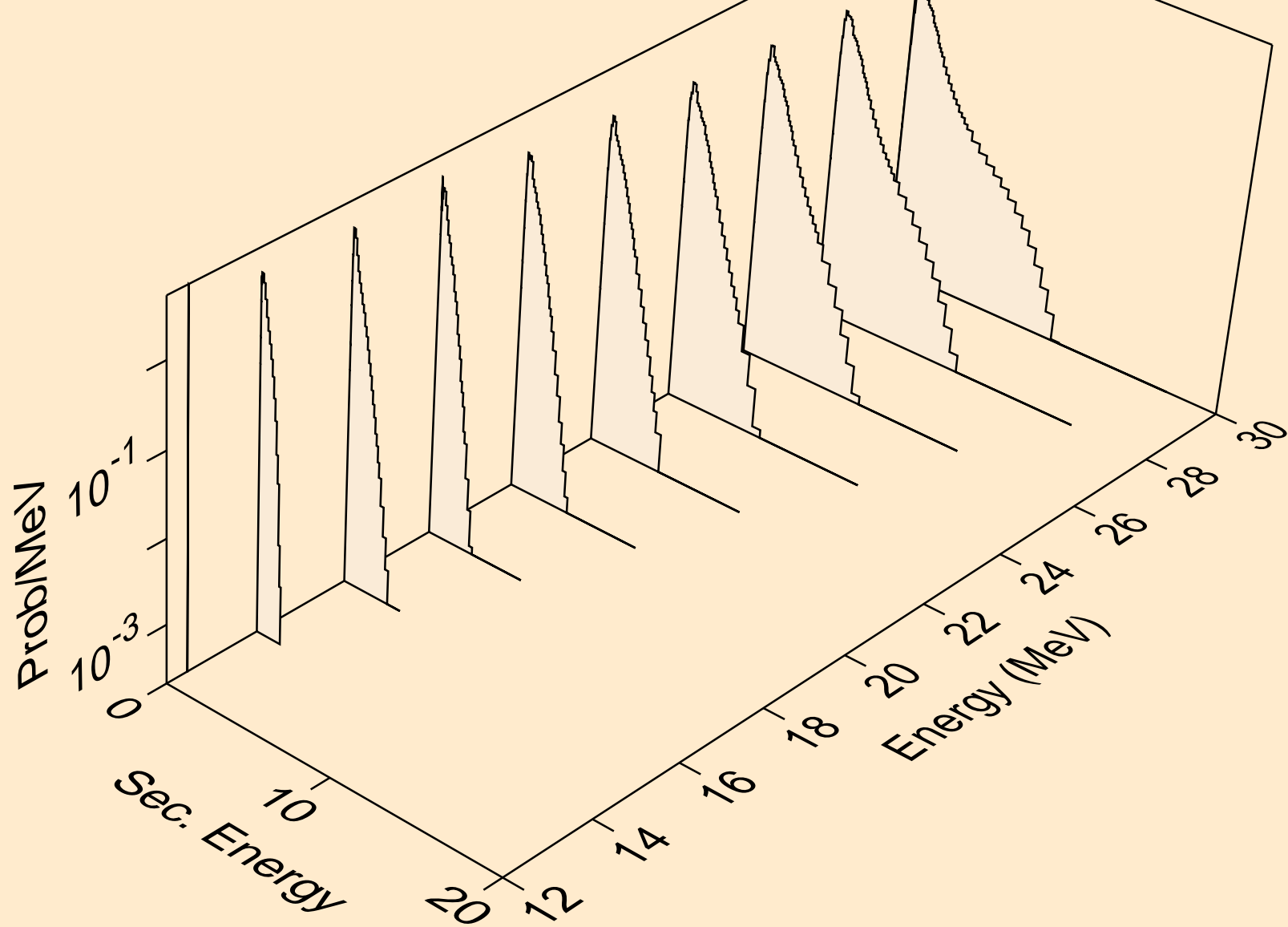
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



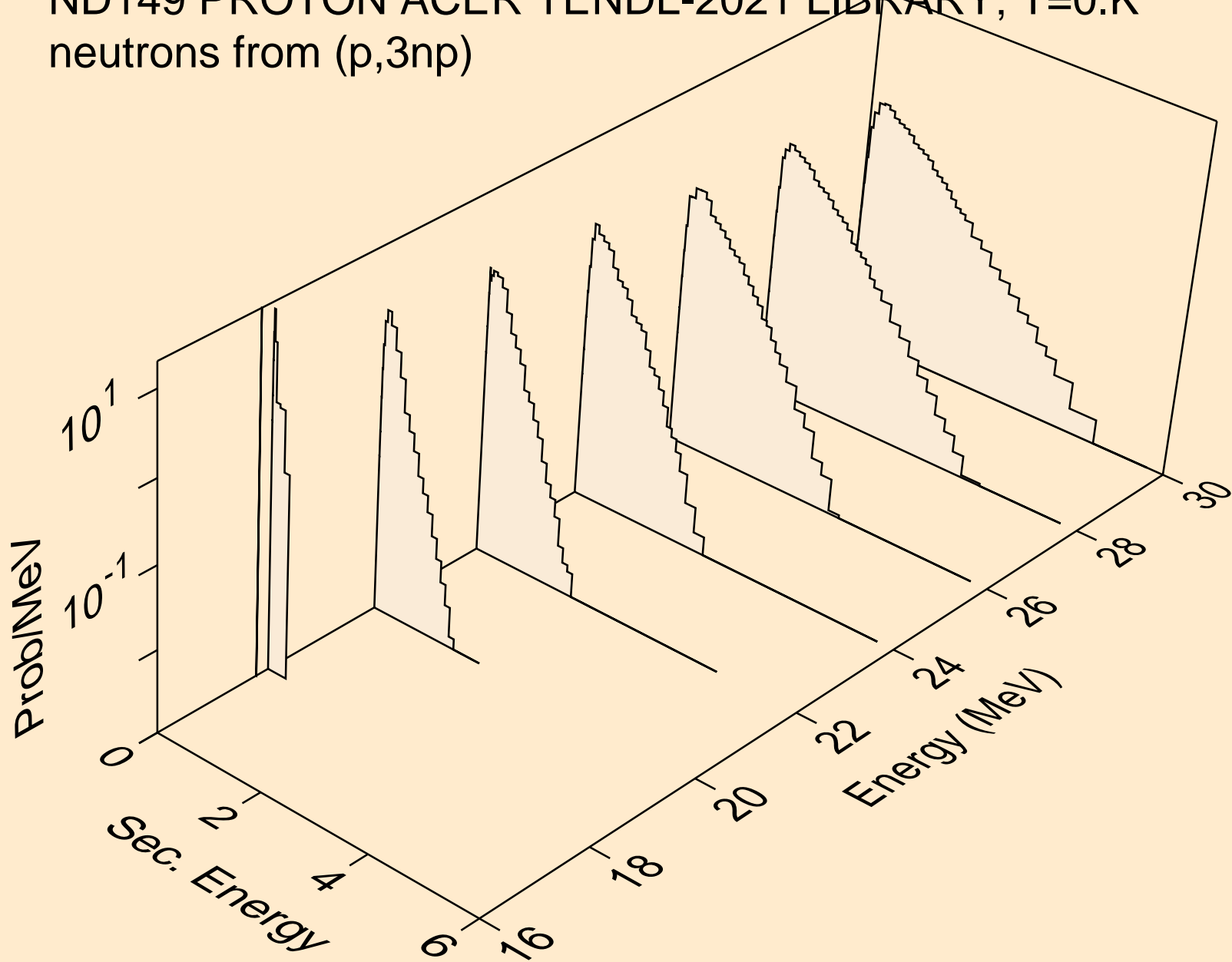
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neutrons from (p,4n)



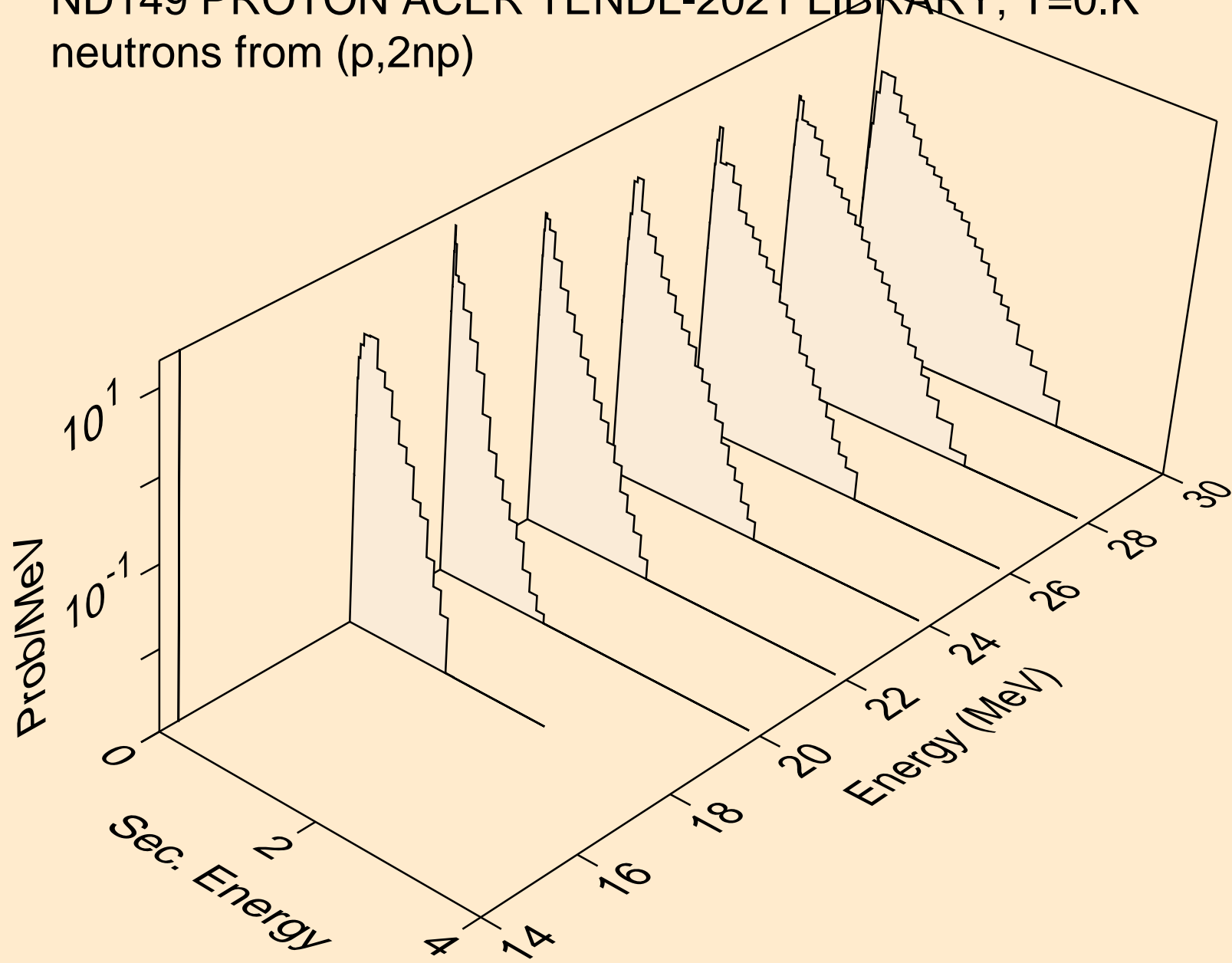
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)



ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3np)

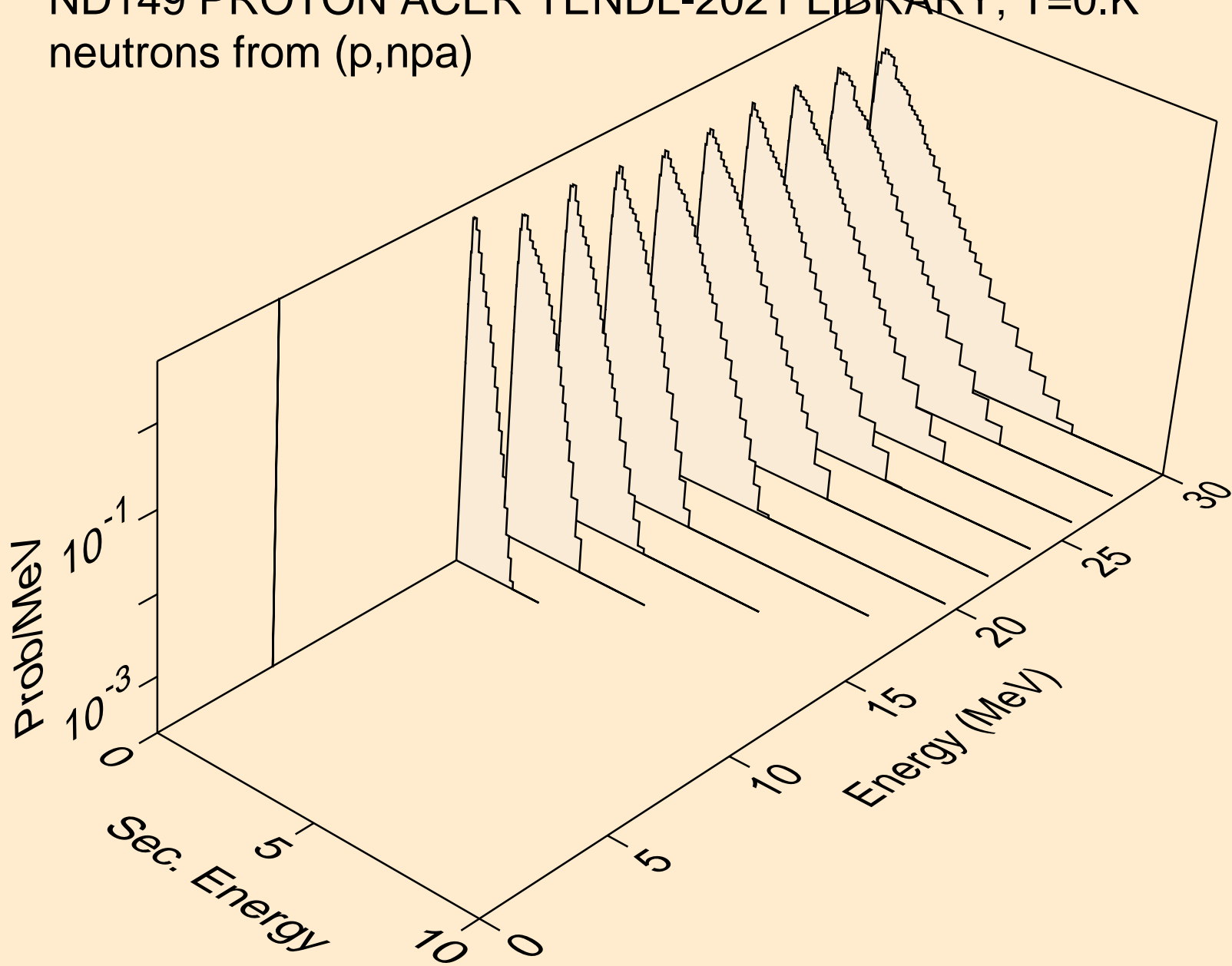


ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)

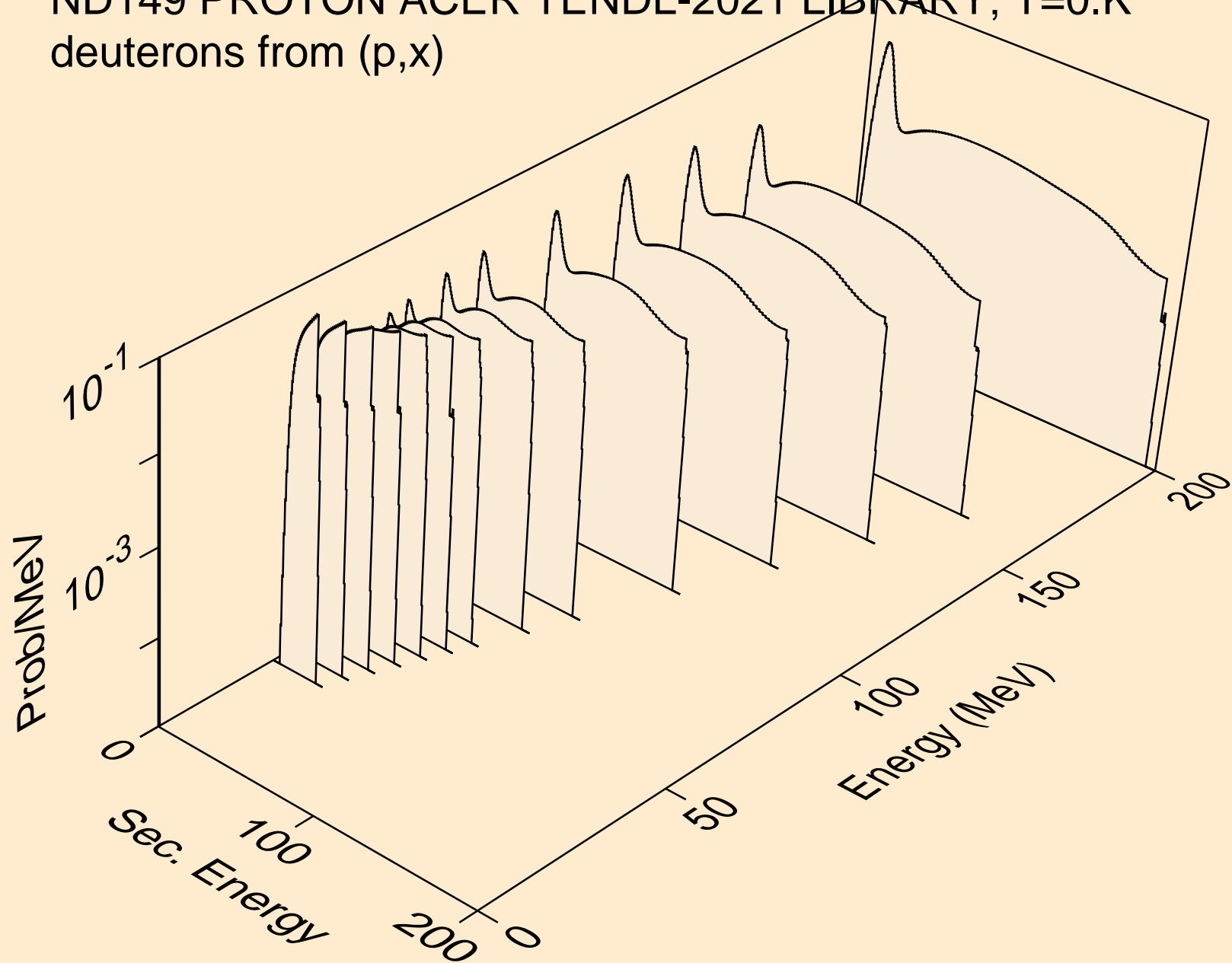




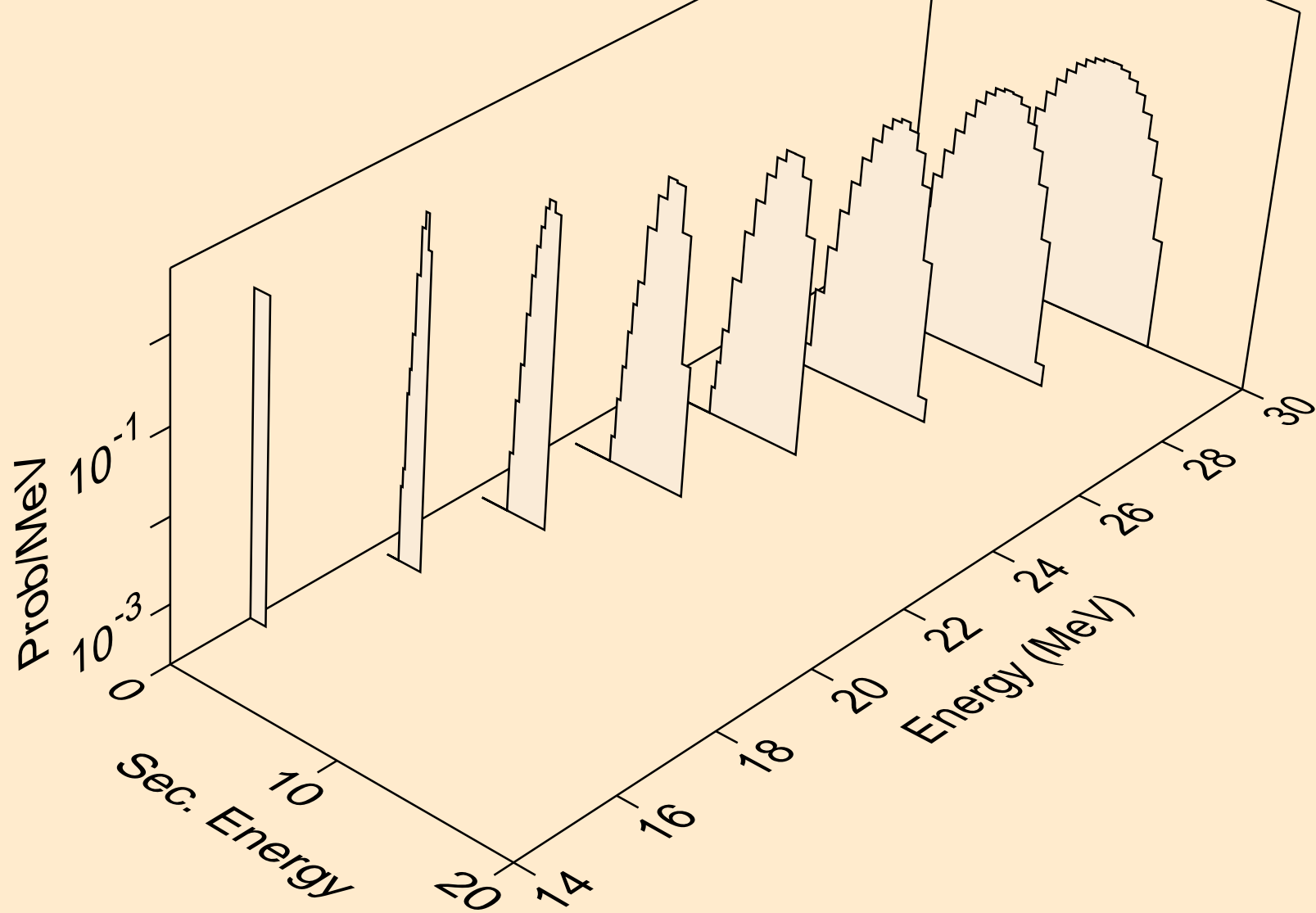
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,npa)



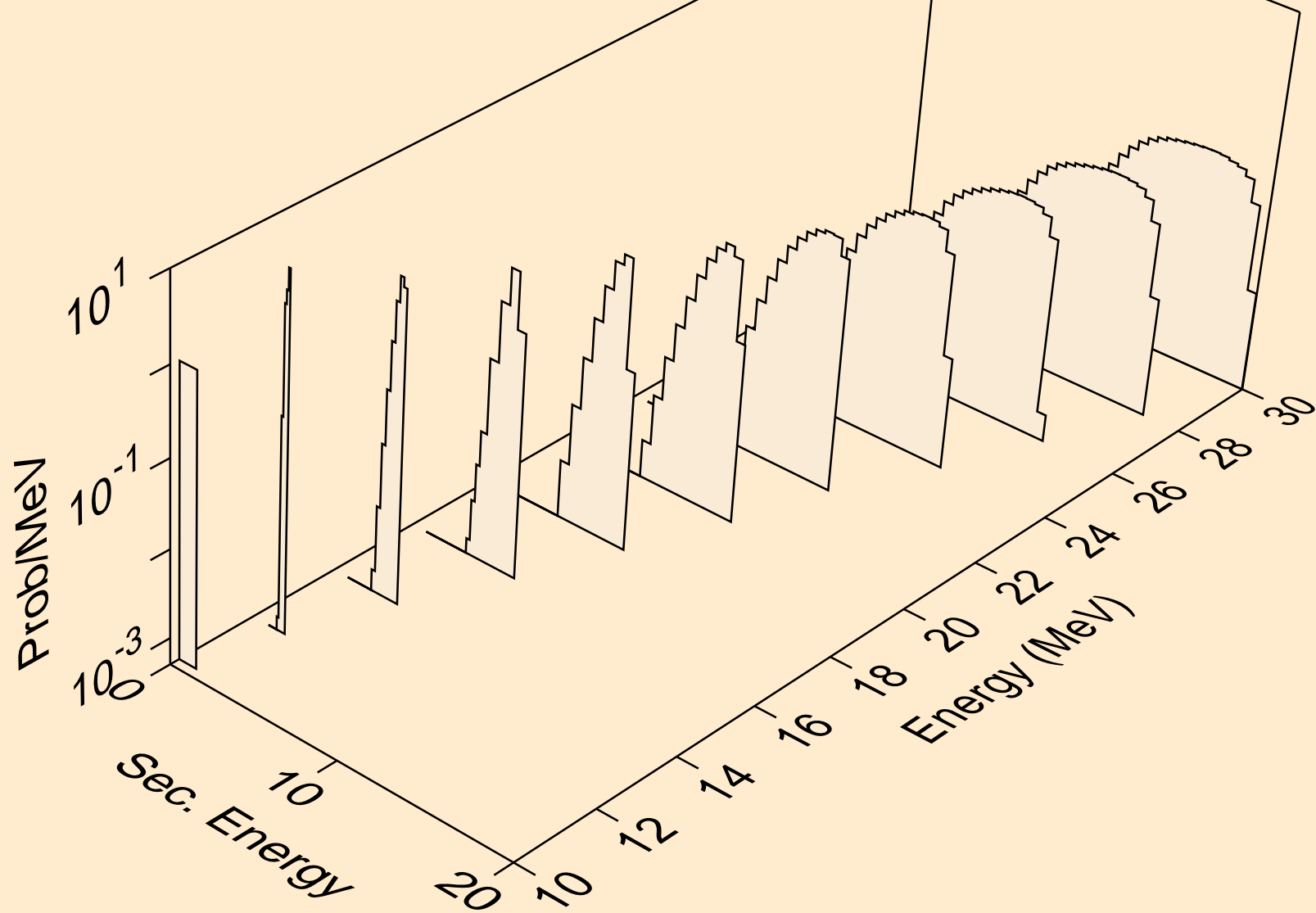
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,x)



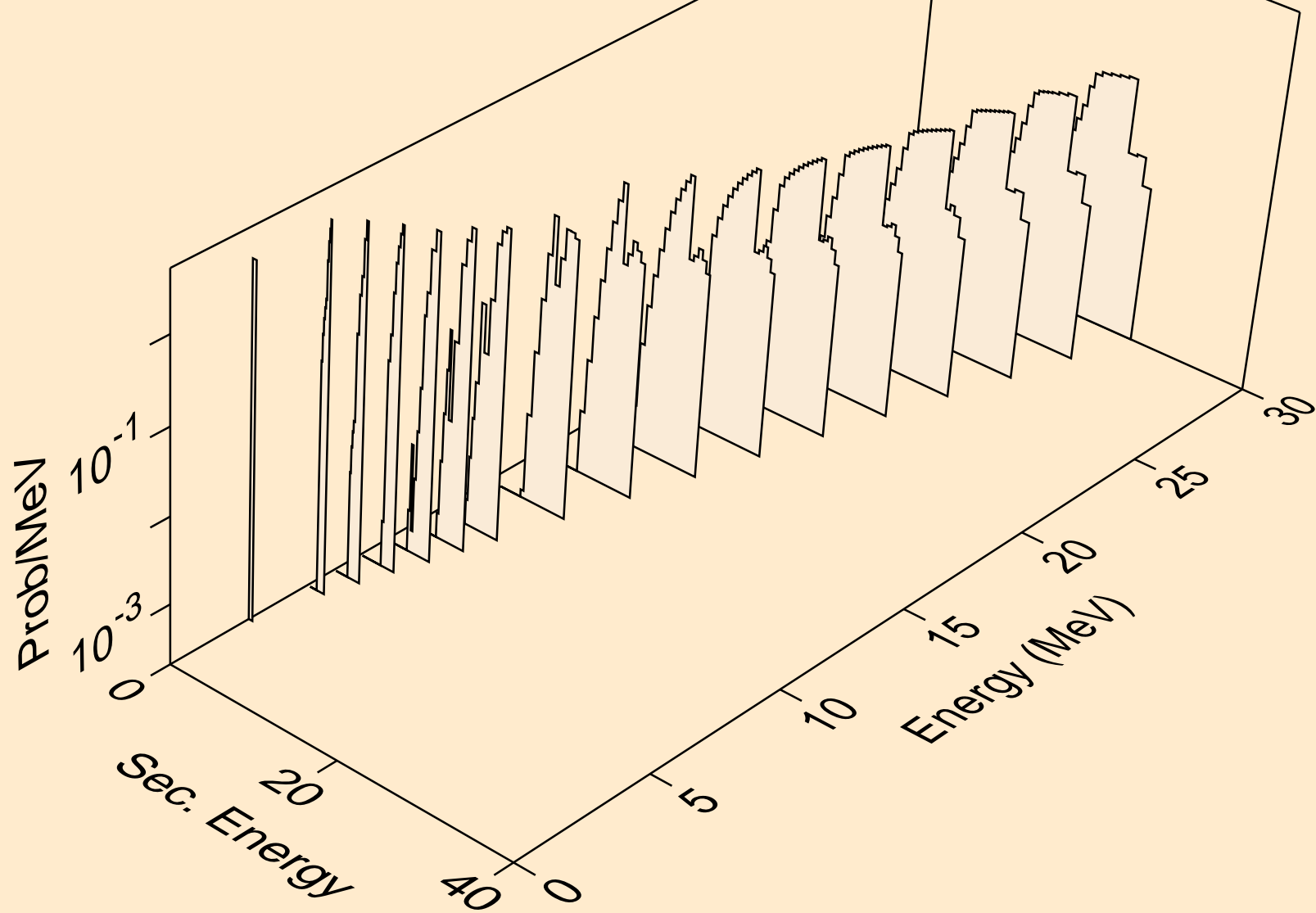
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deuterons from (p,2nd)



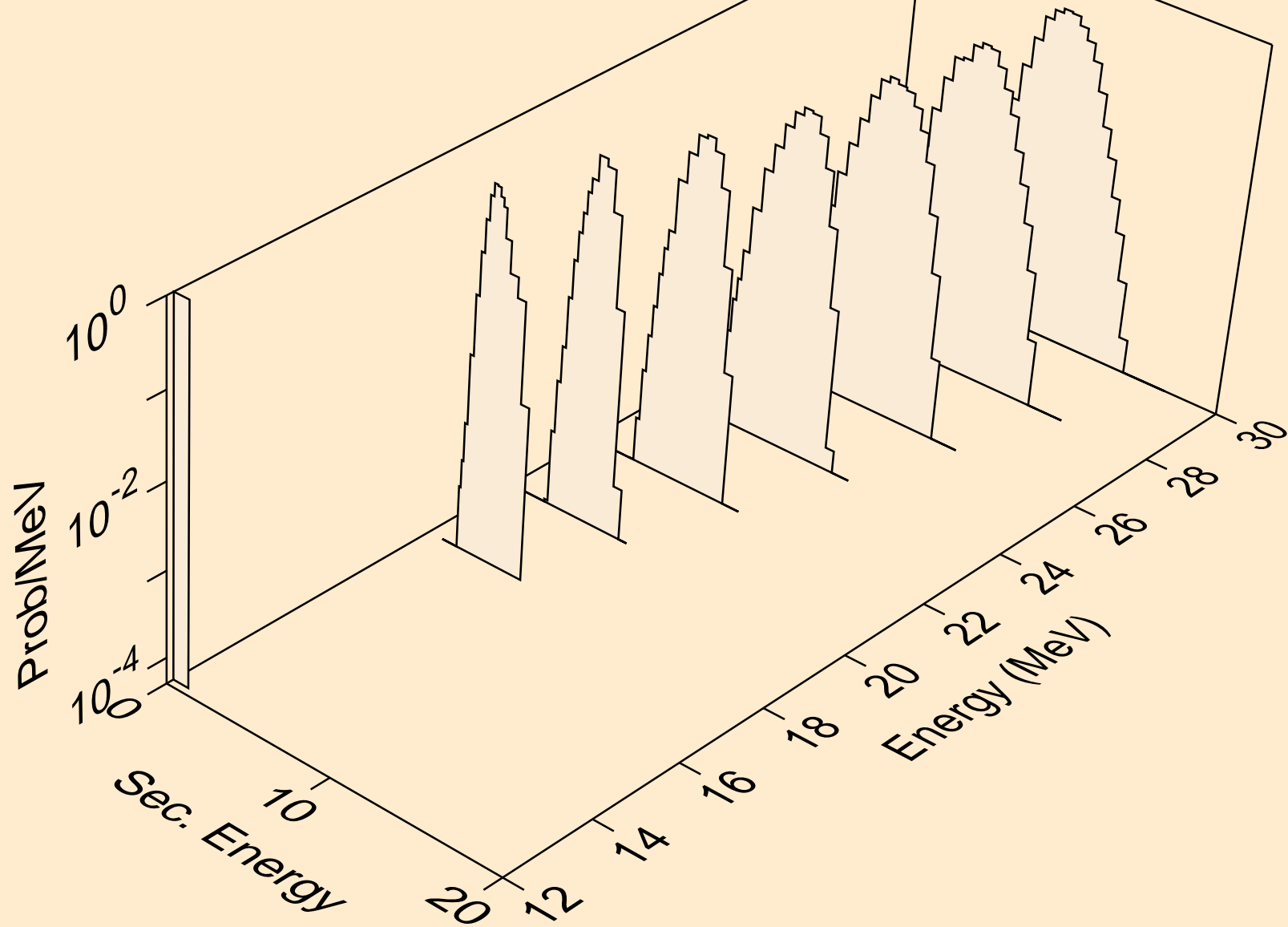
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,n\*)d



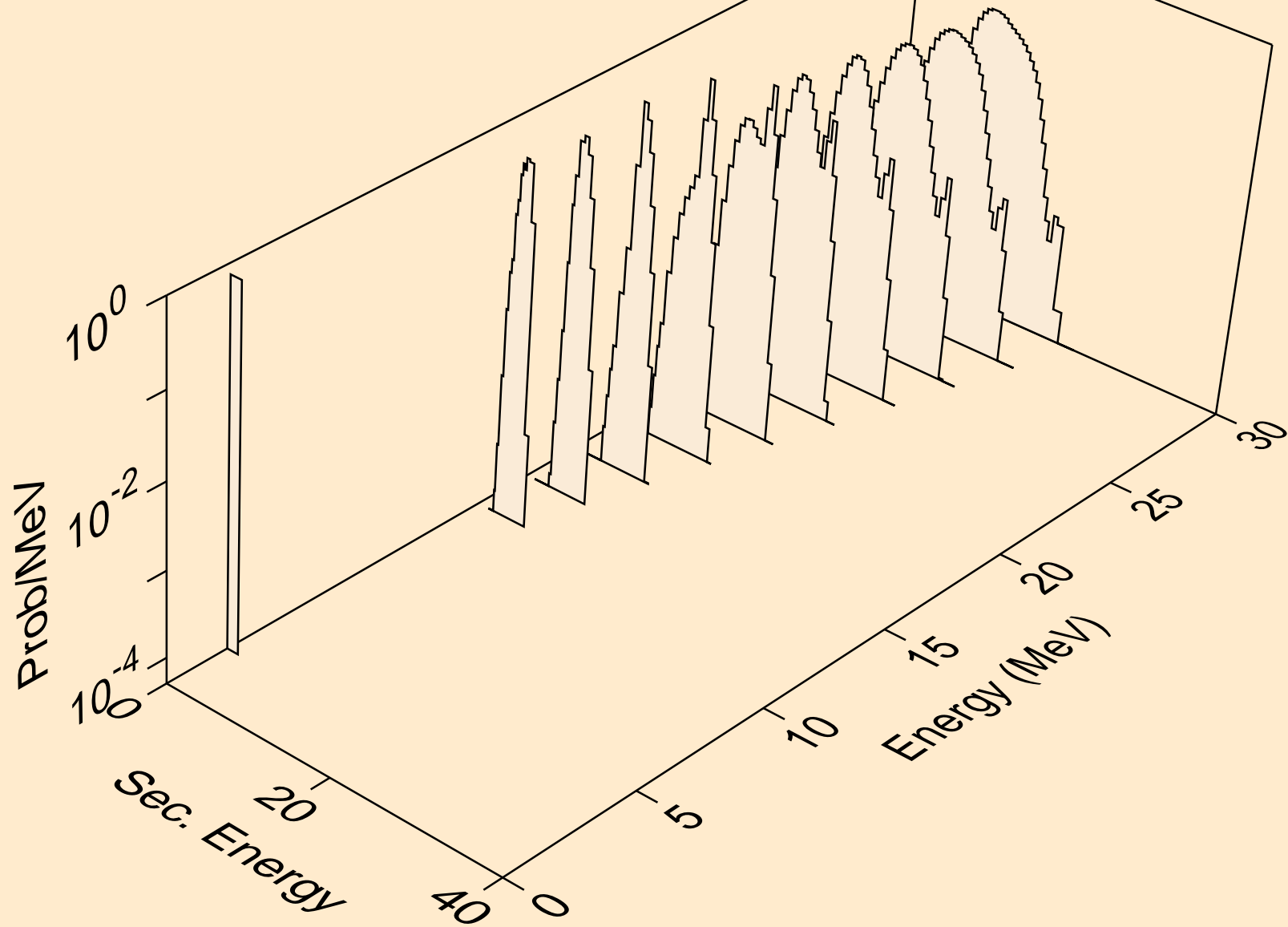
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deuterons from (p,d)



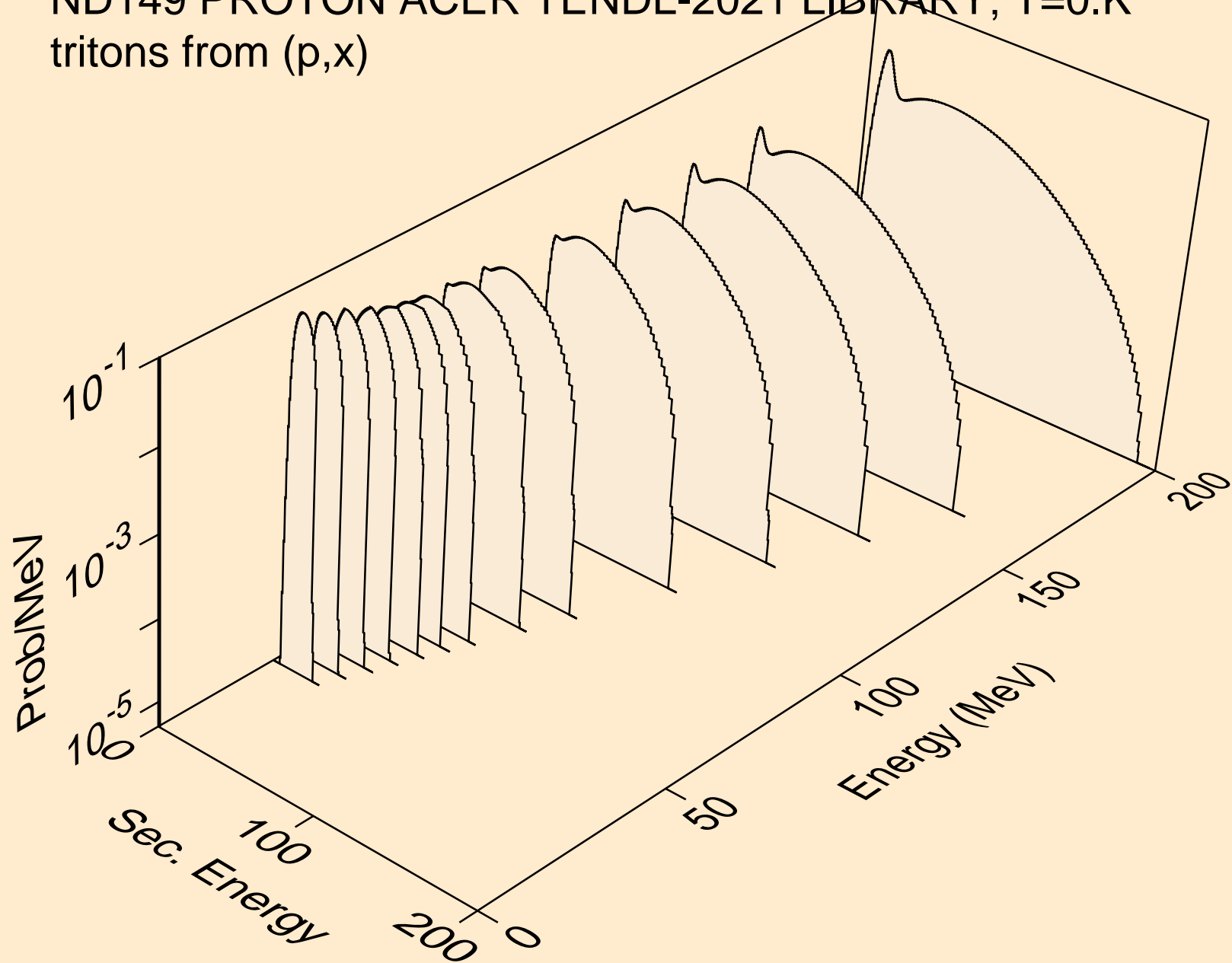
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,pd)



ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,da)

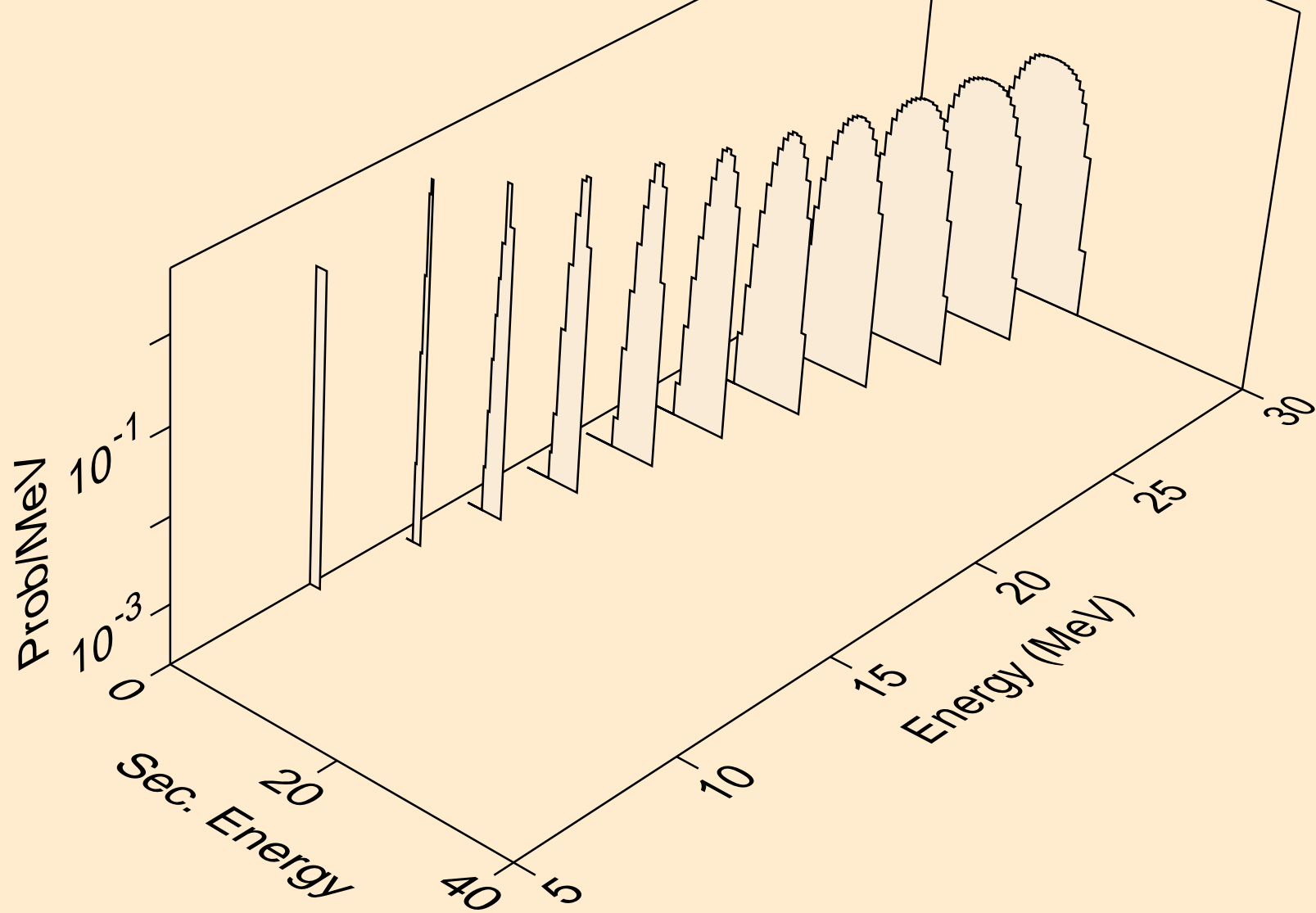


ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,x)

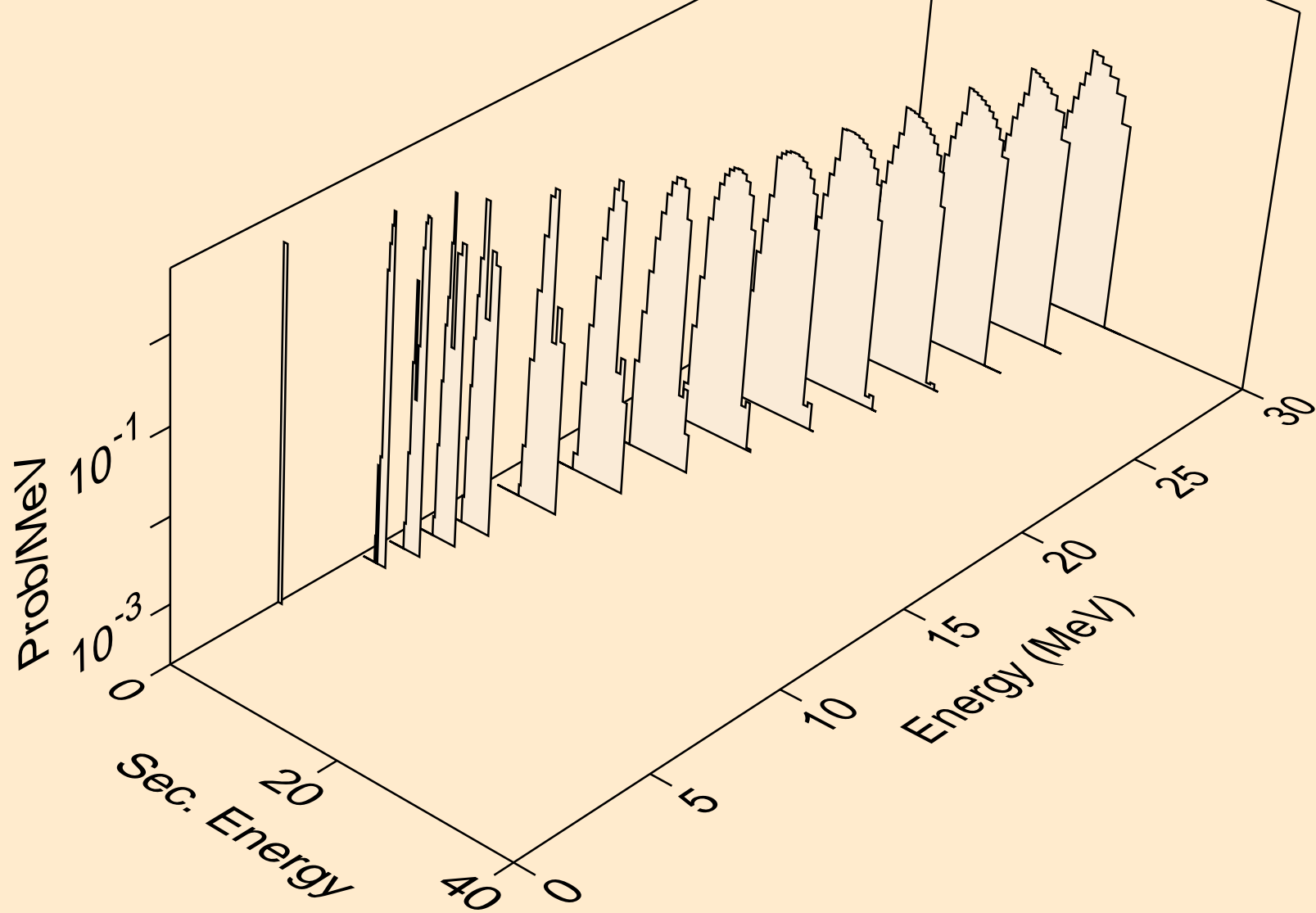




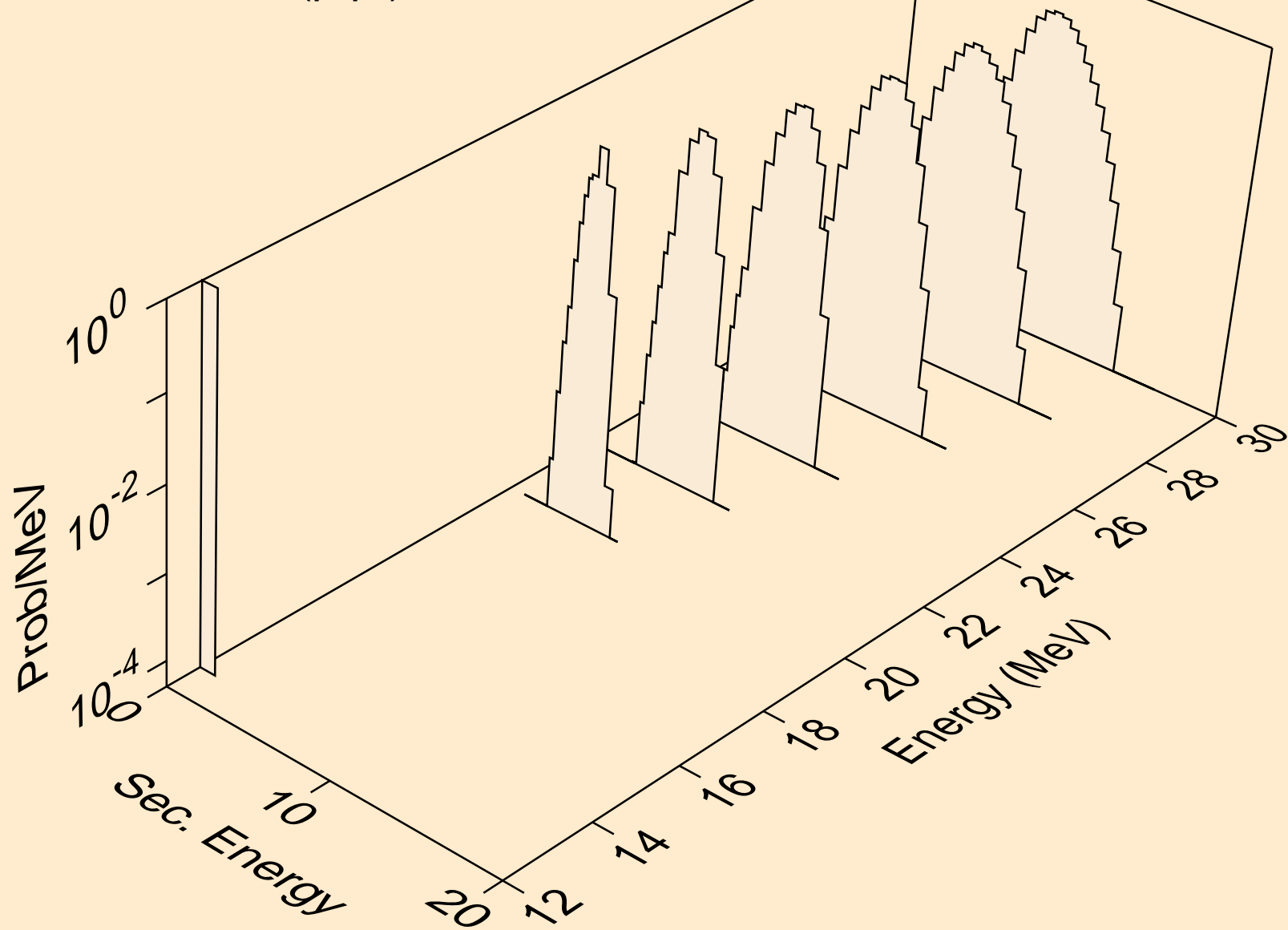
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,n\*)t



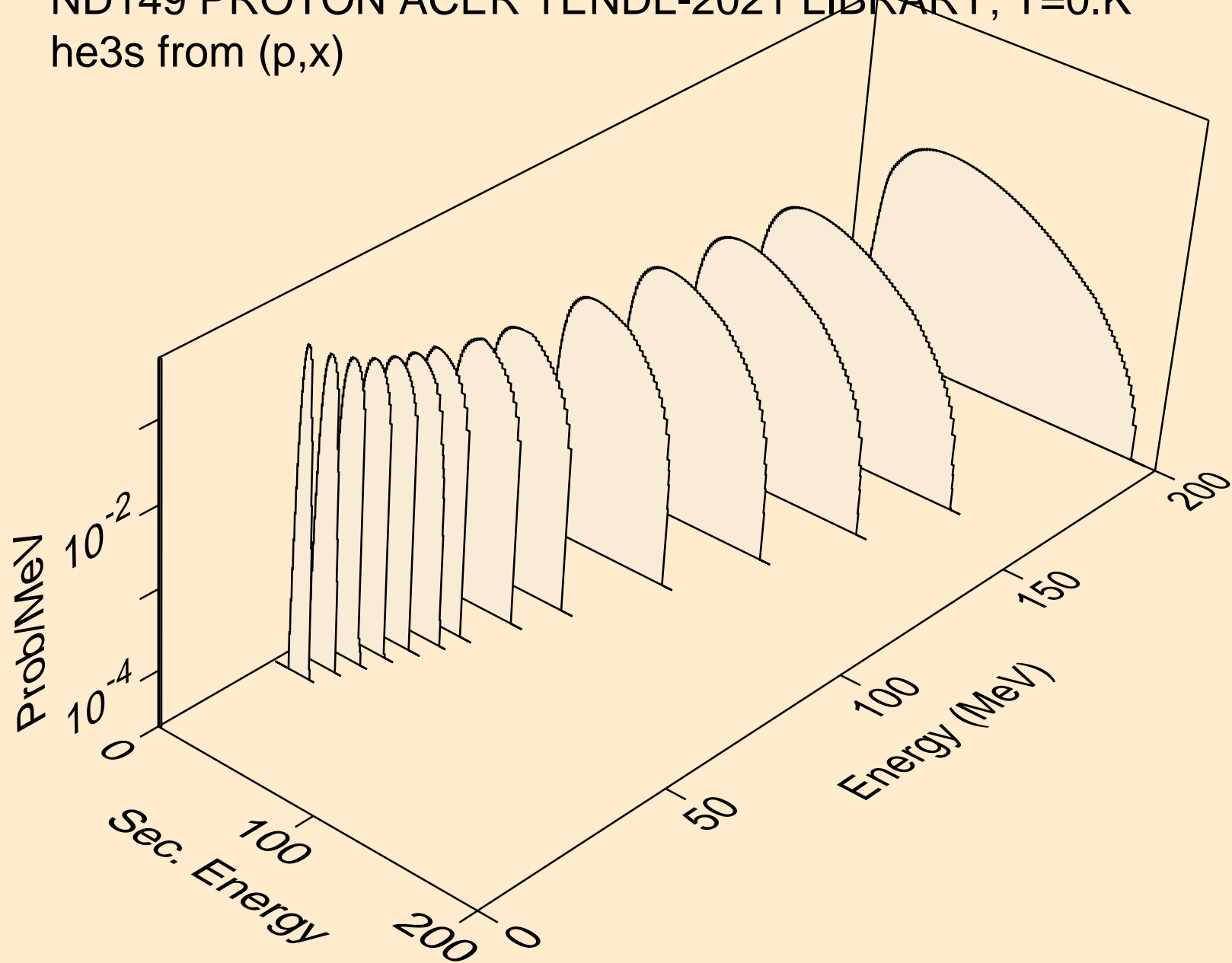
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tritons from (p,t)



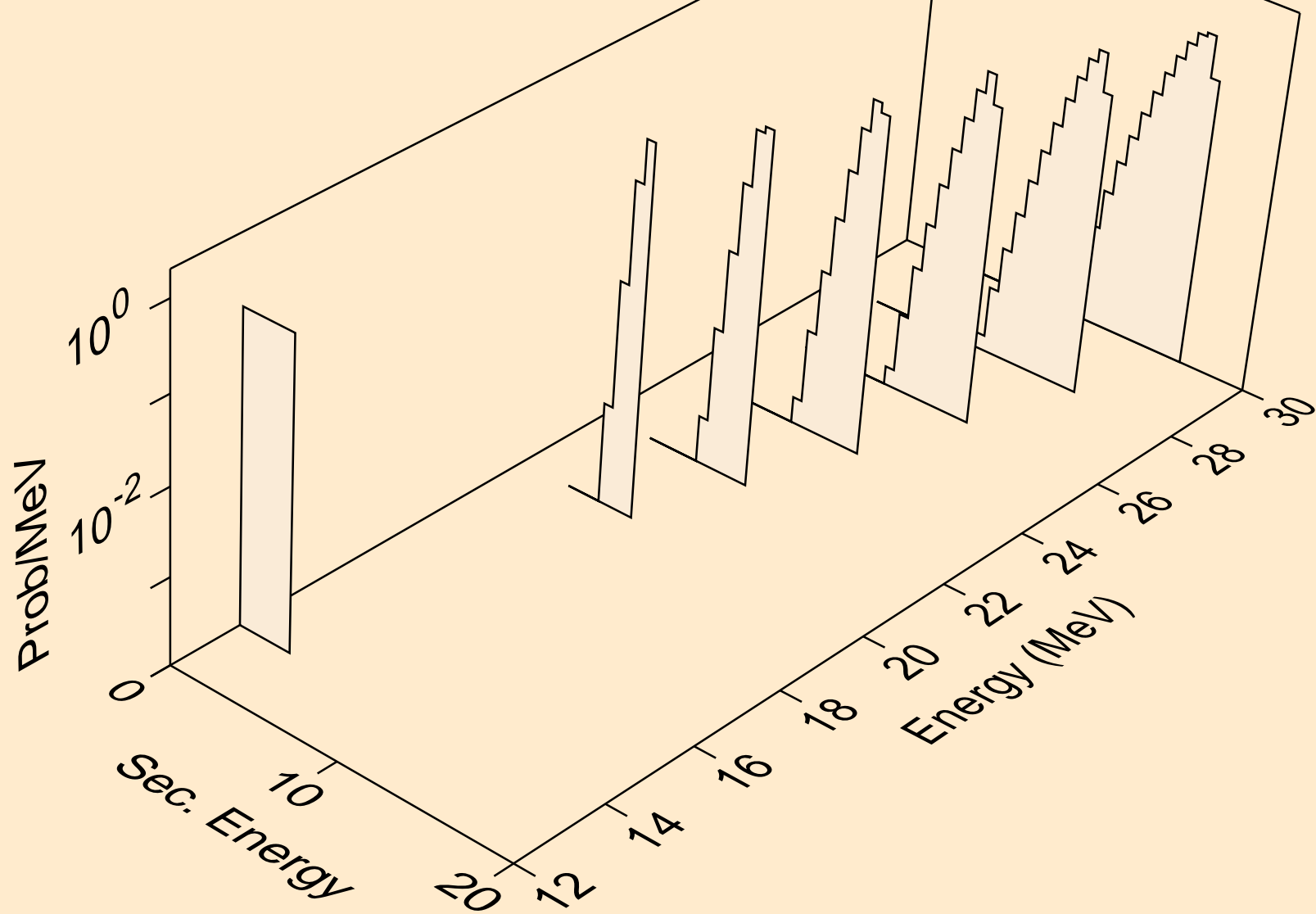
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,pt)



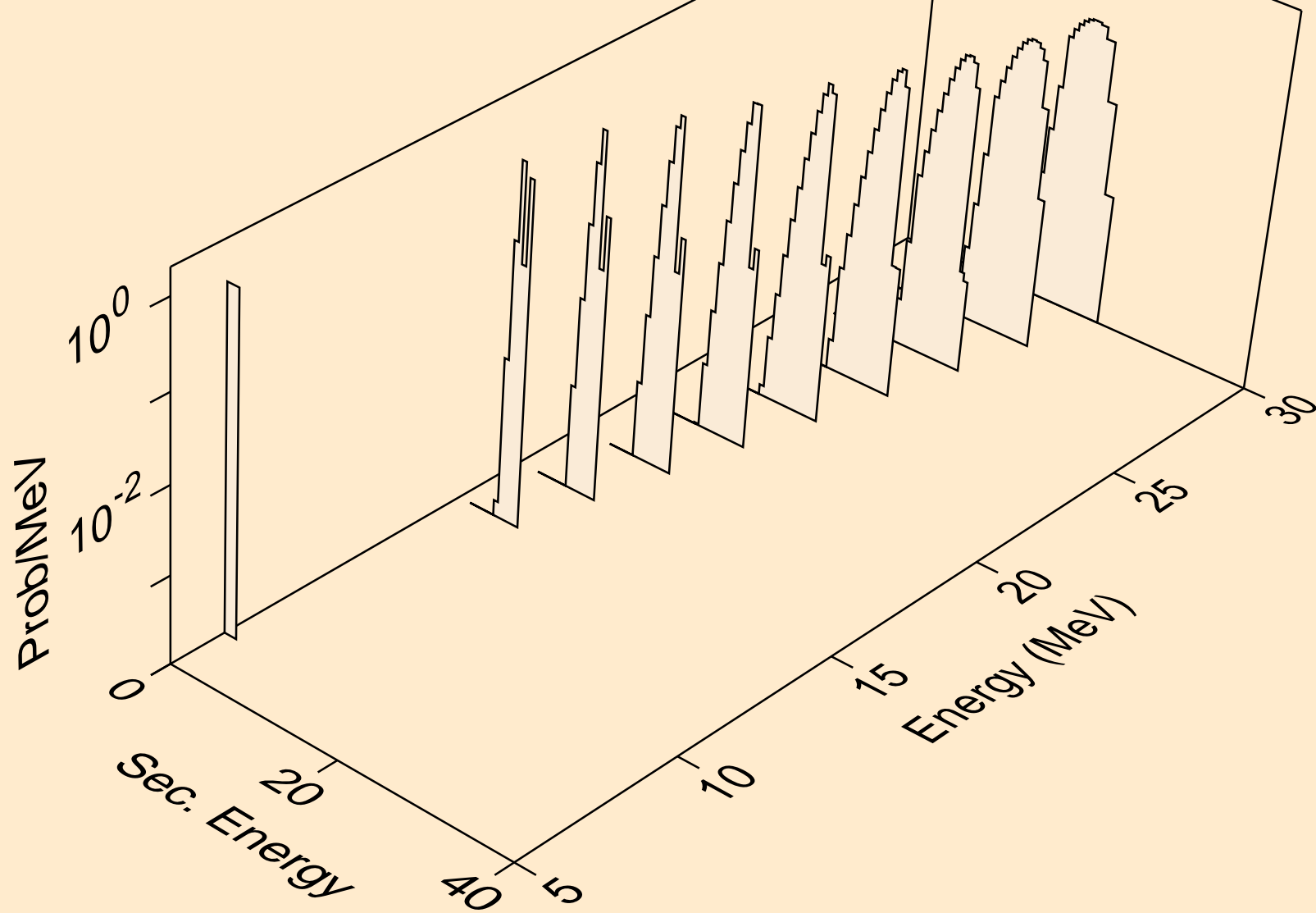
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,x)



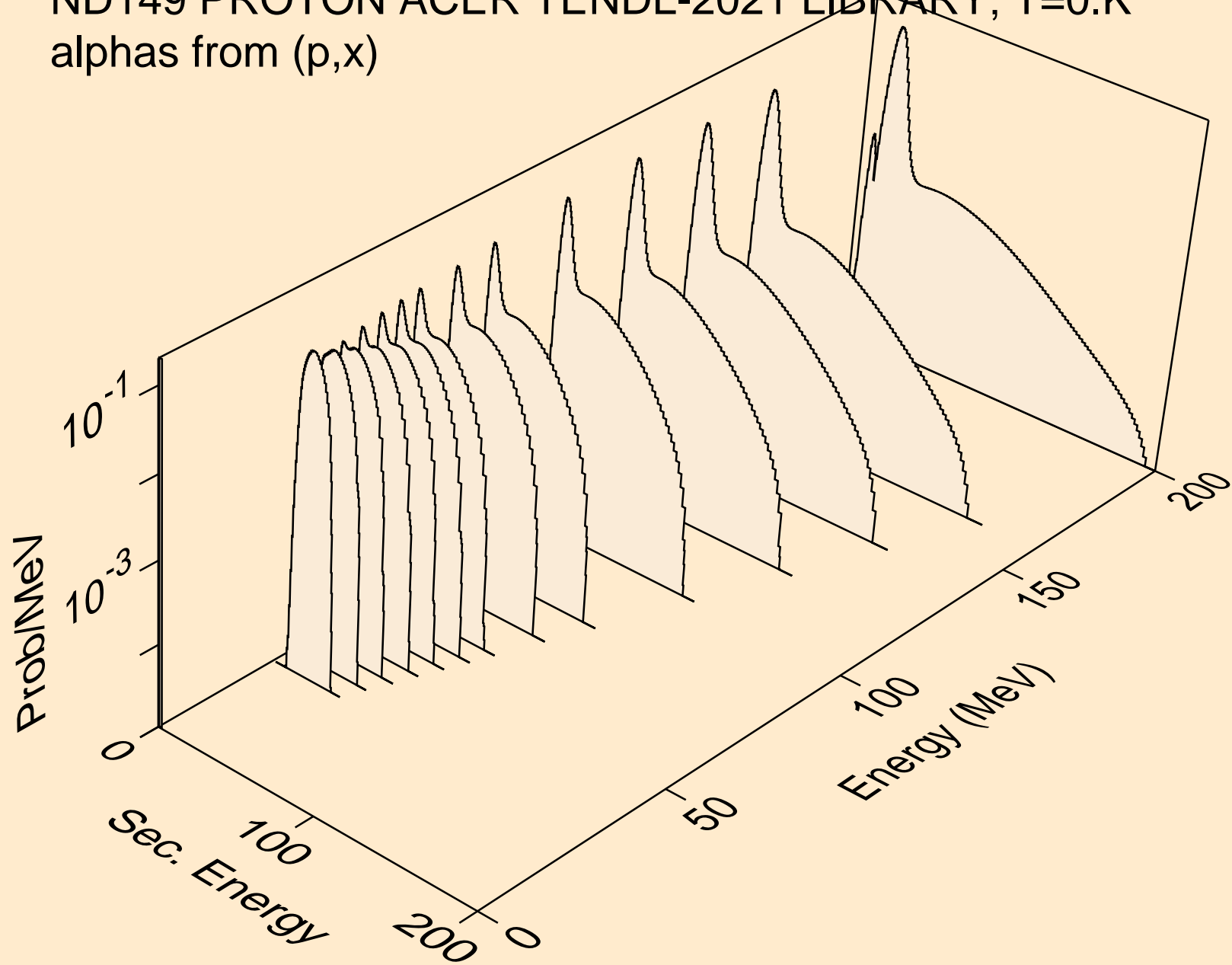
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,n\*)he3



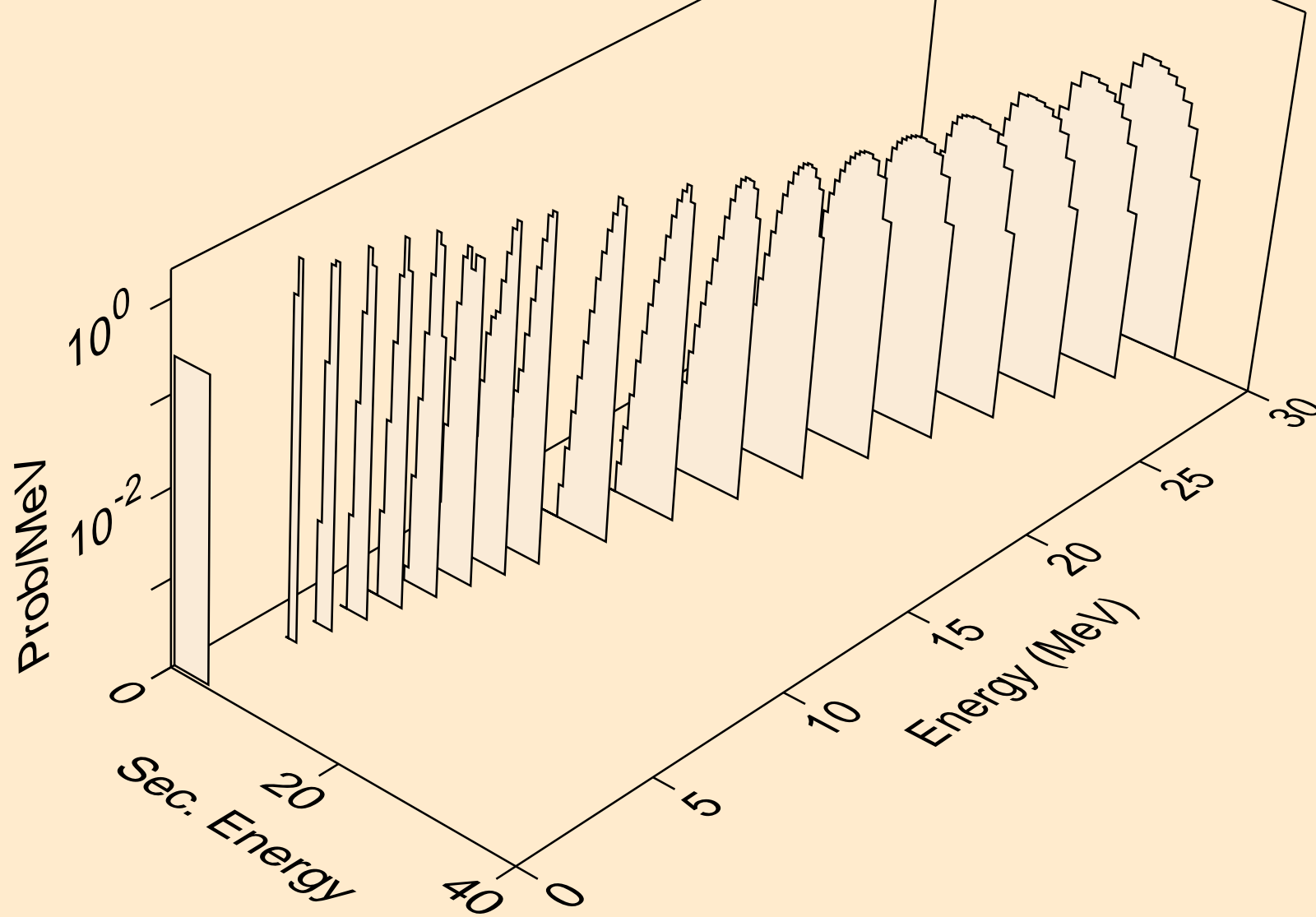
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,he3)



ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,x)

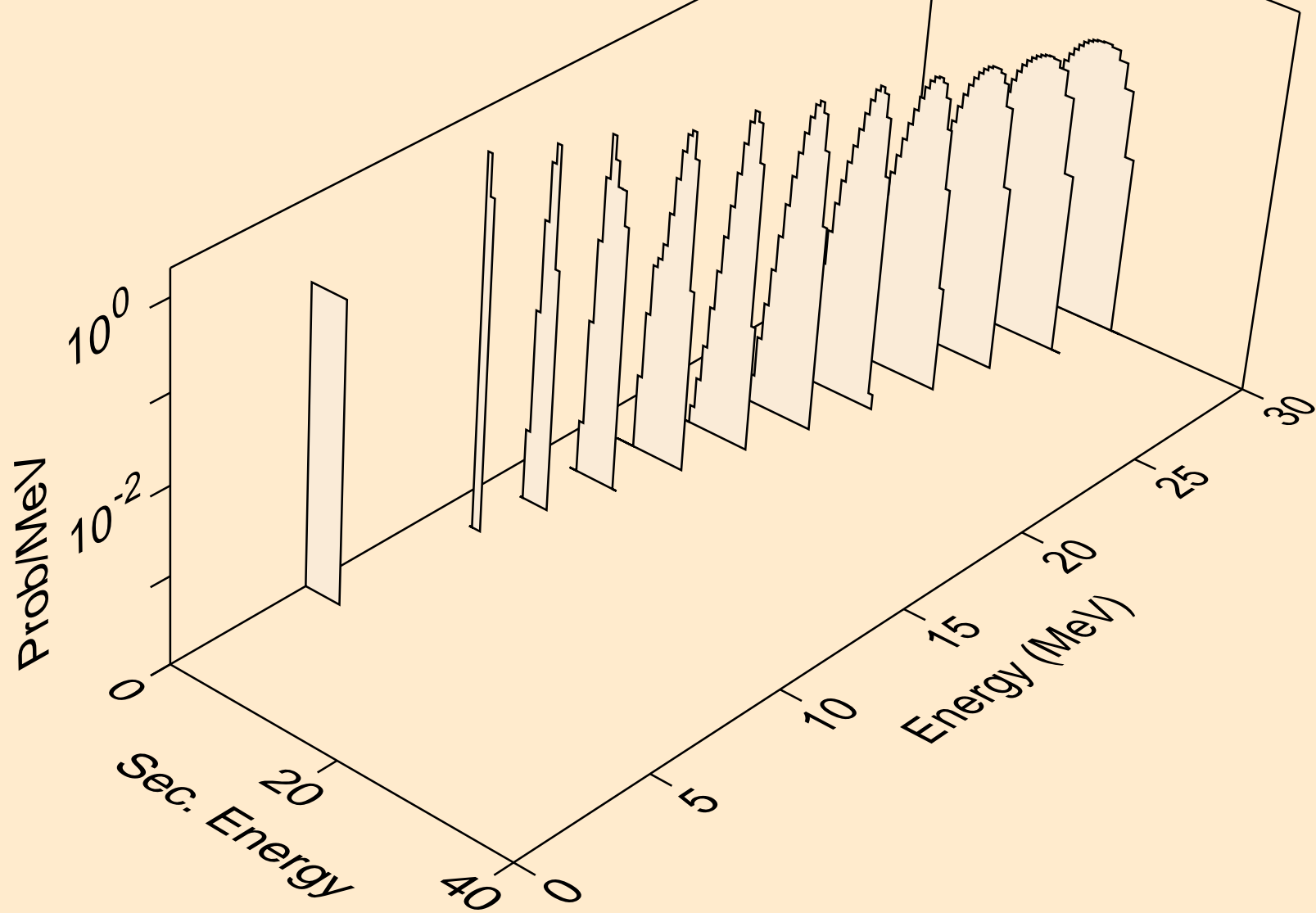


ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)a

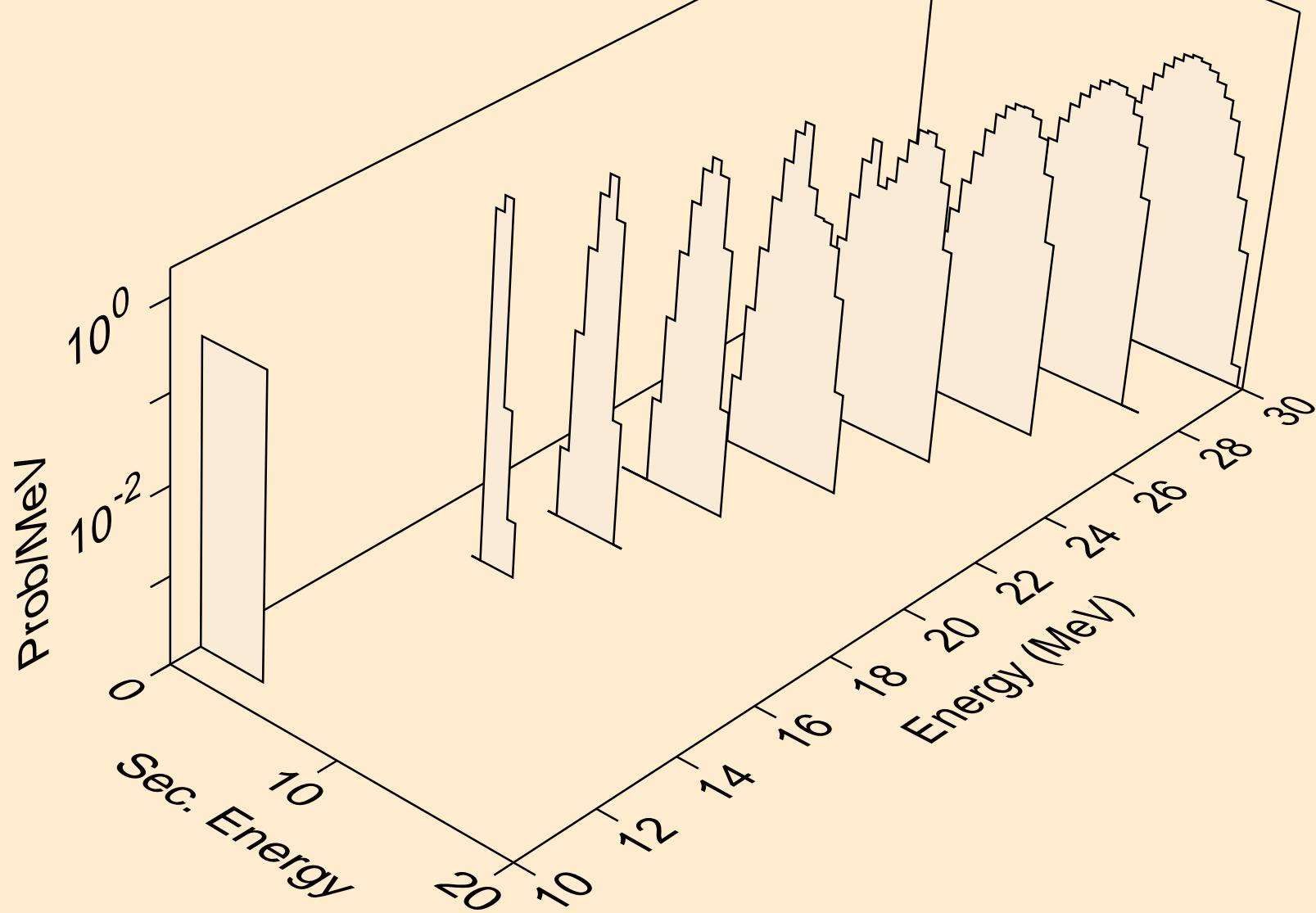




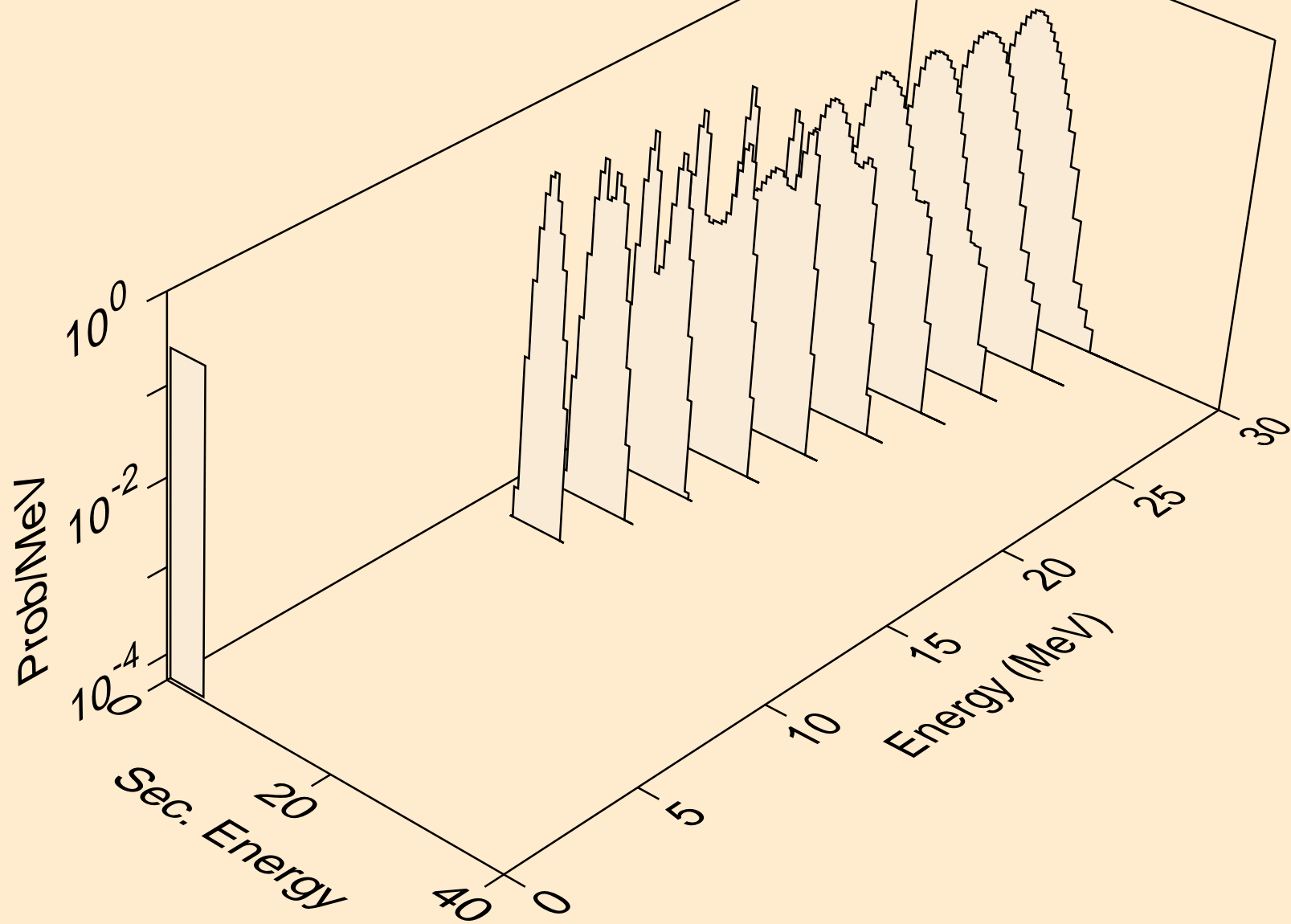
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2n)a



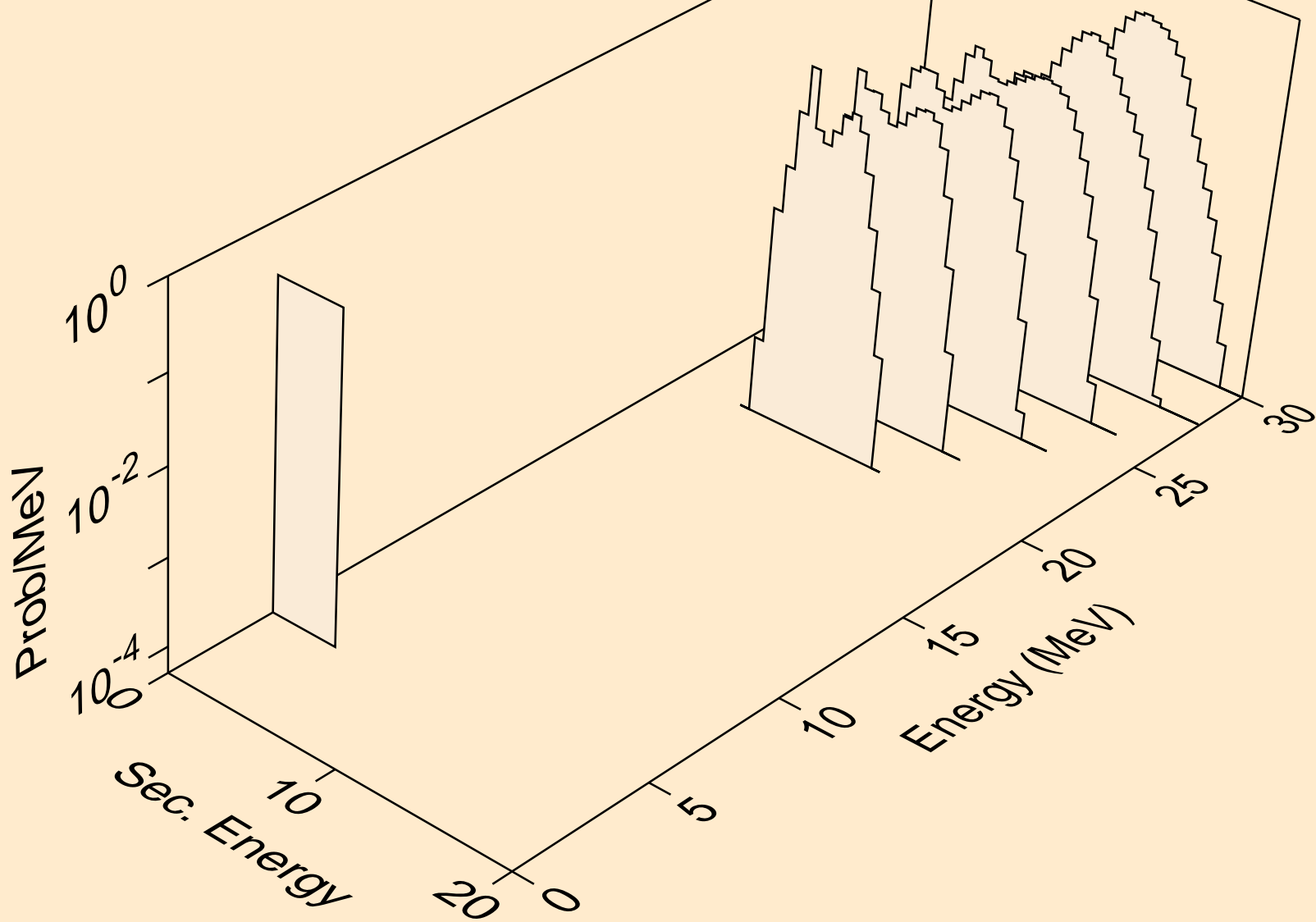
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,3n)a



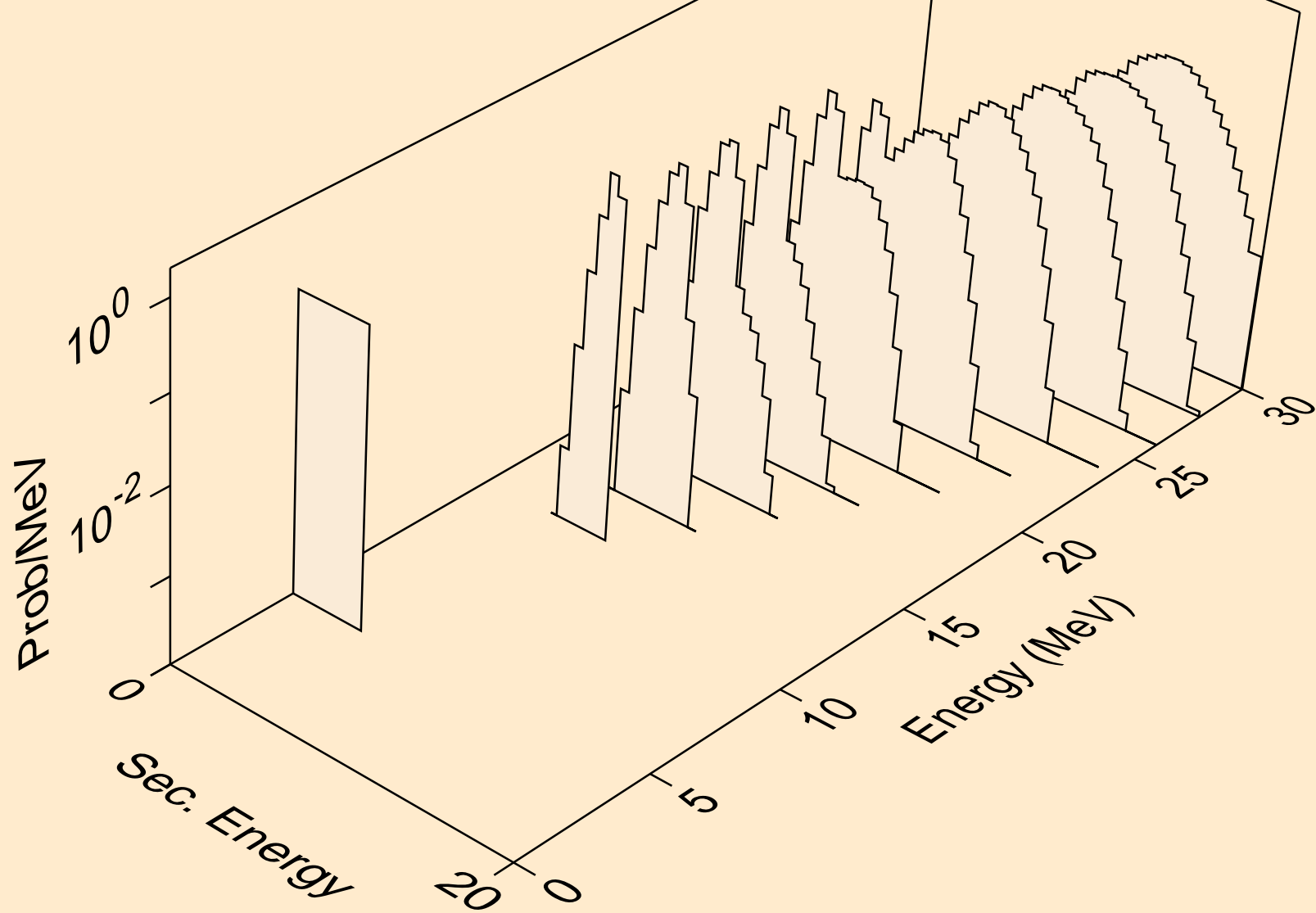
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)2a



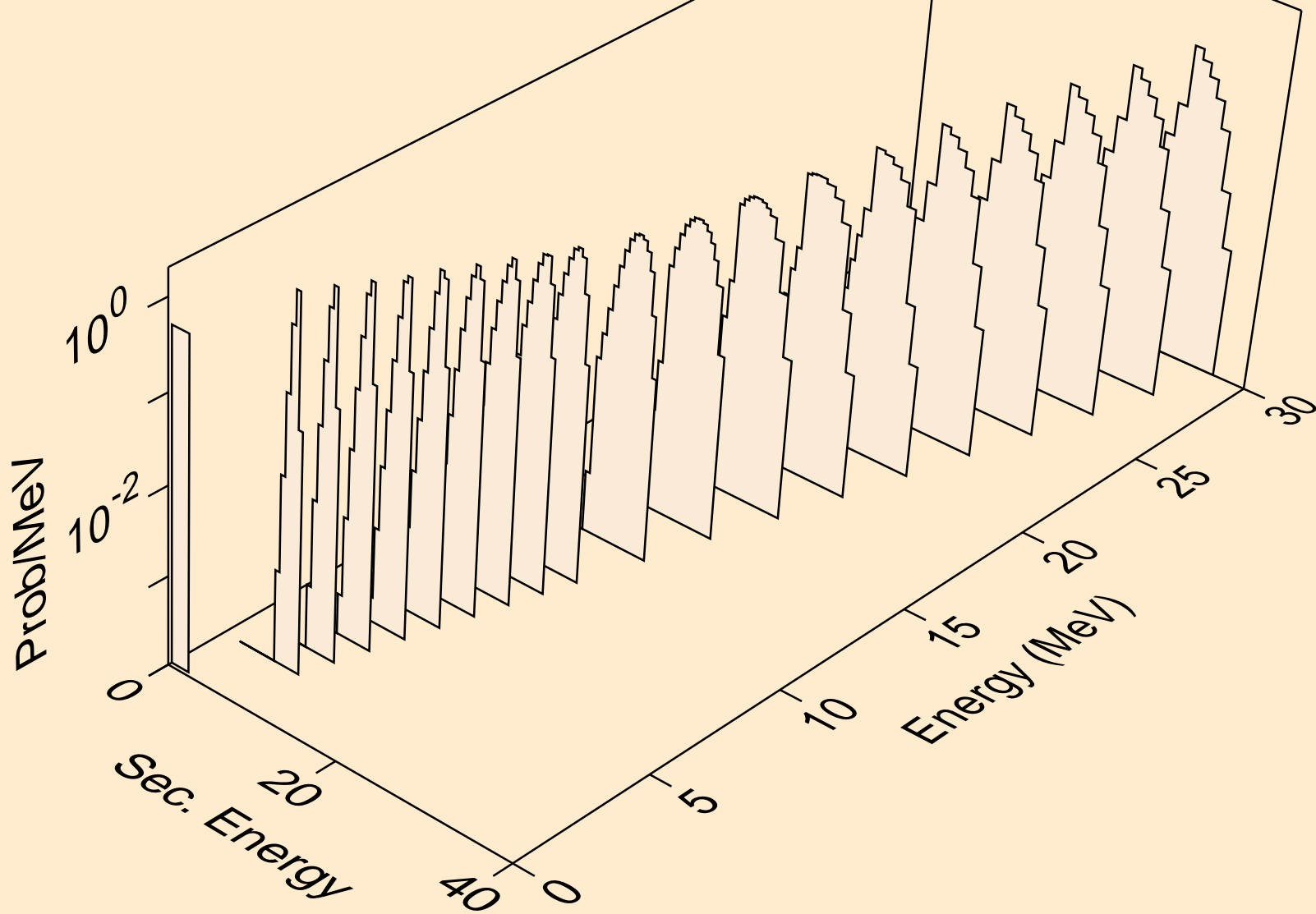
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2n)2a



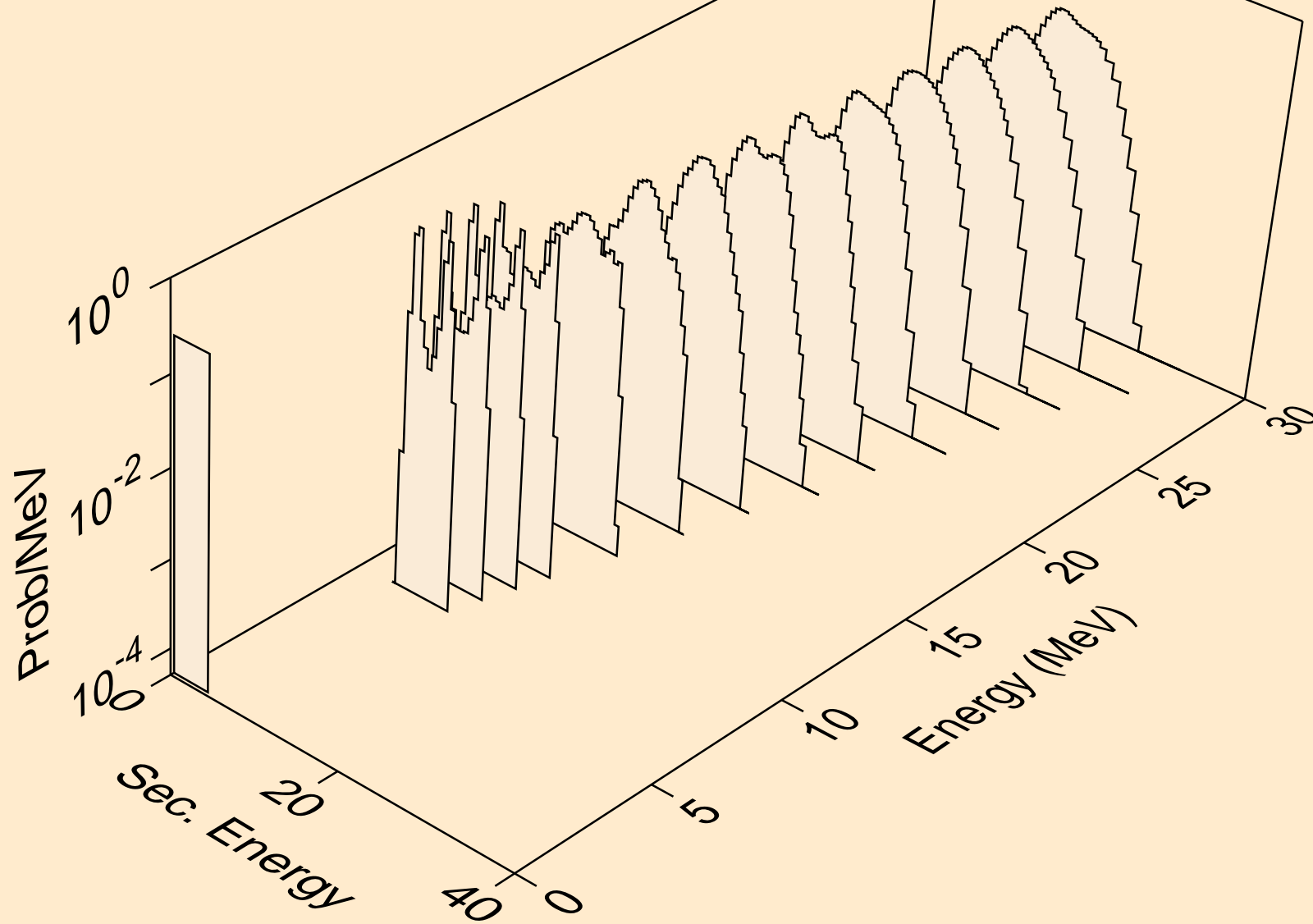
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,npa)



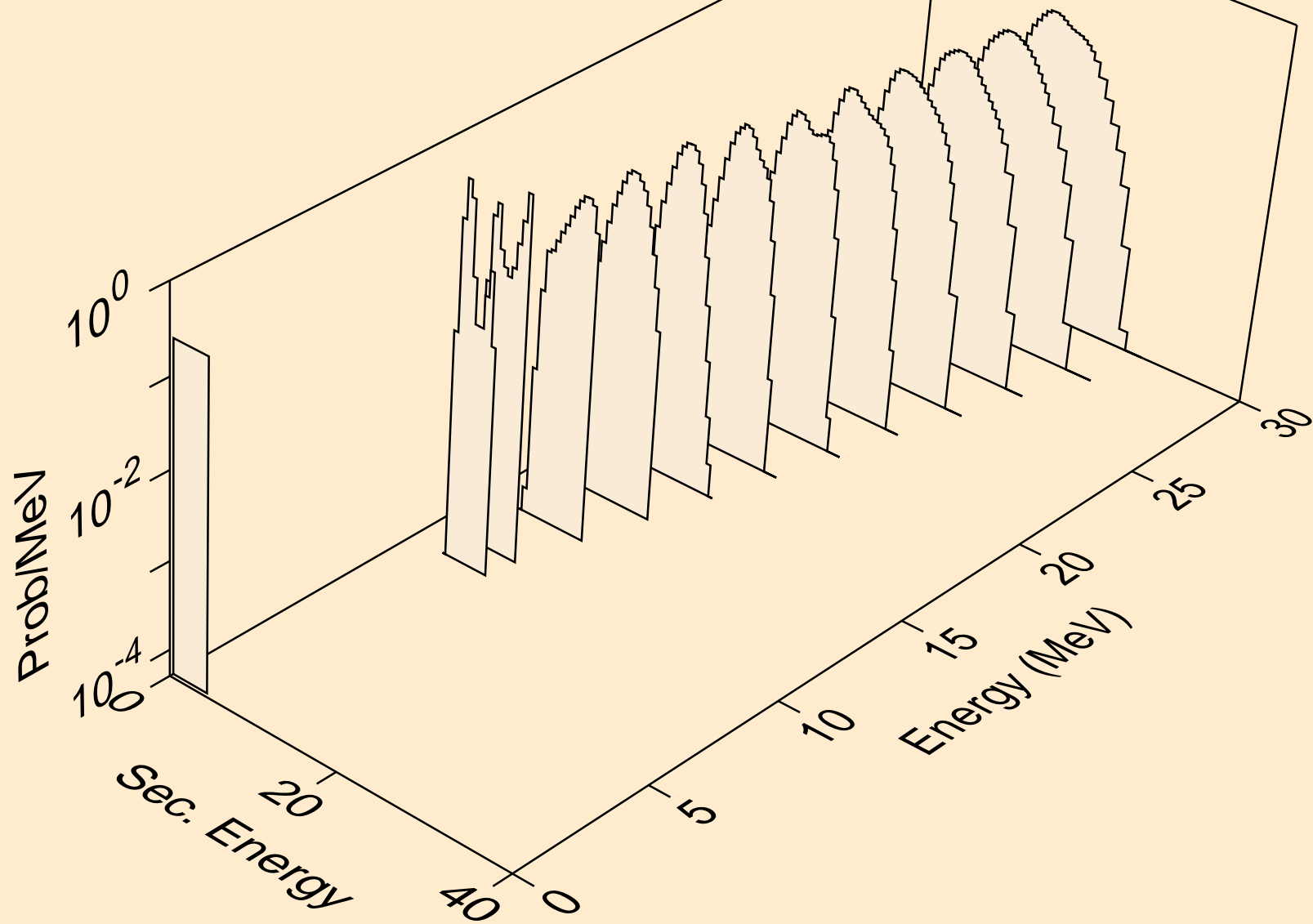
ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,a)



ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2a)



ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,pa)





ND149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,da)

