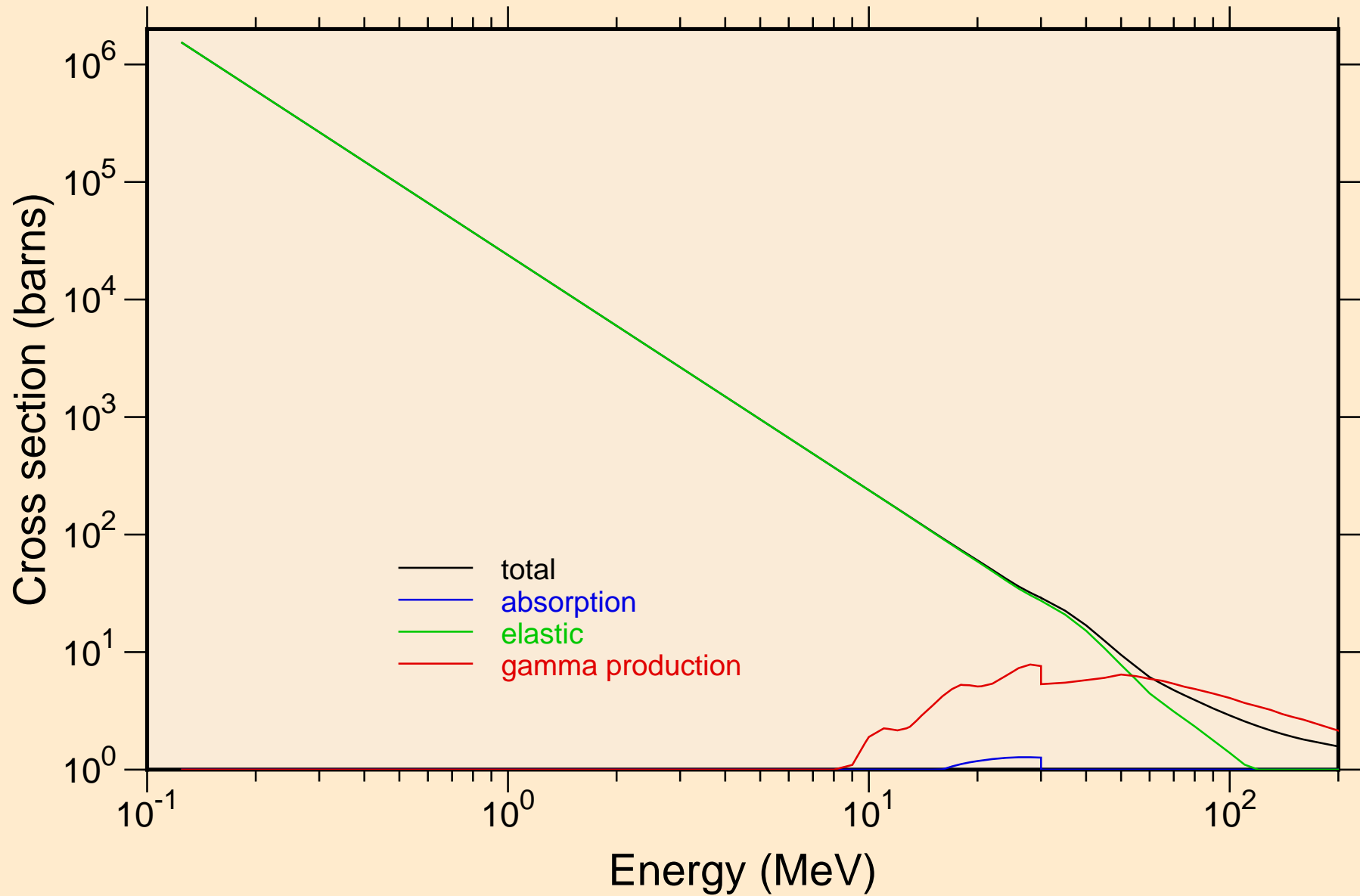


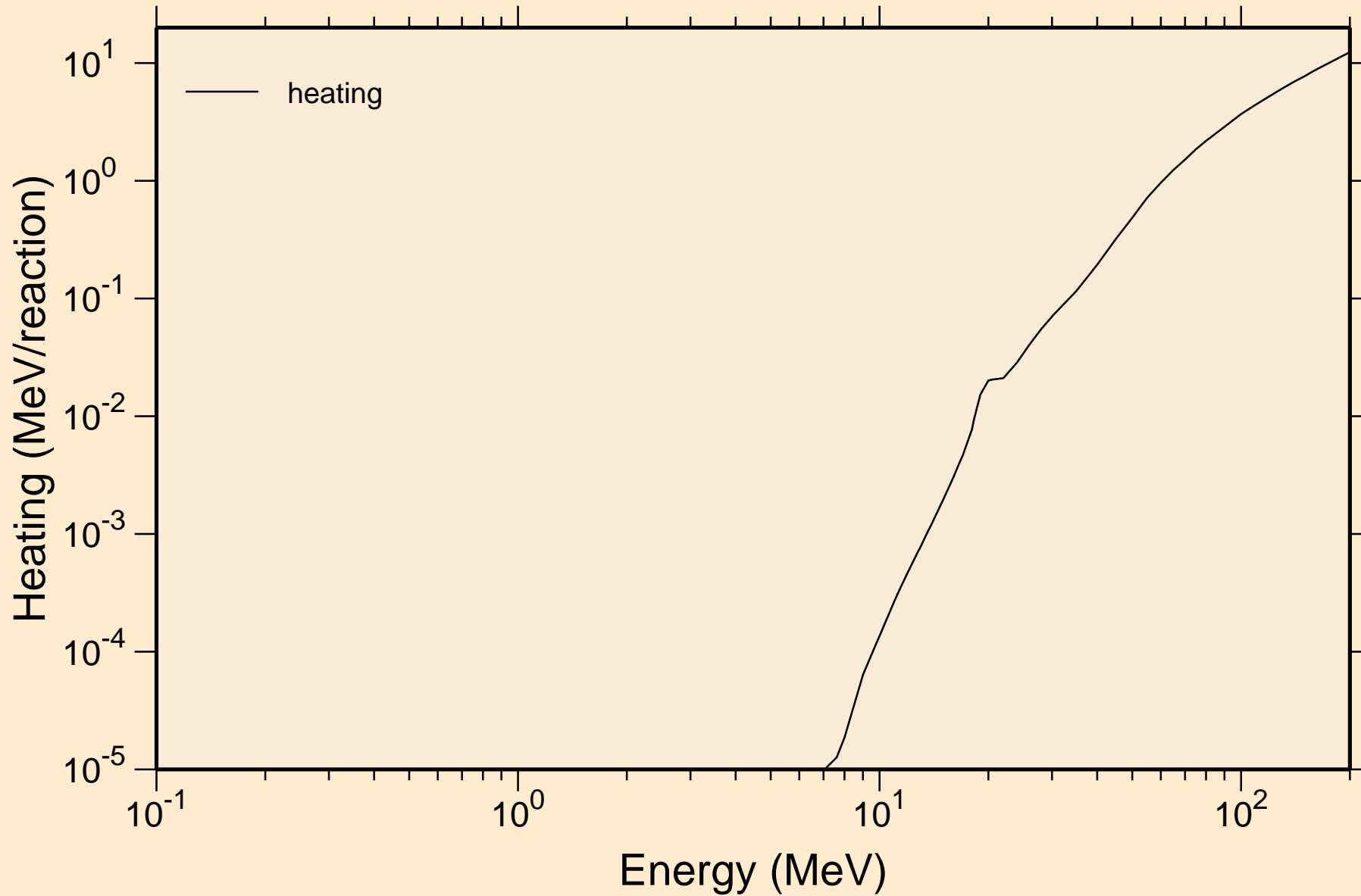
# SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



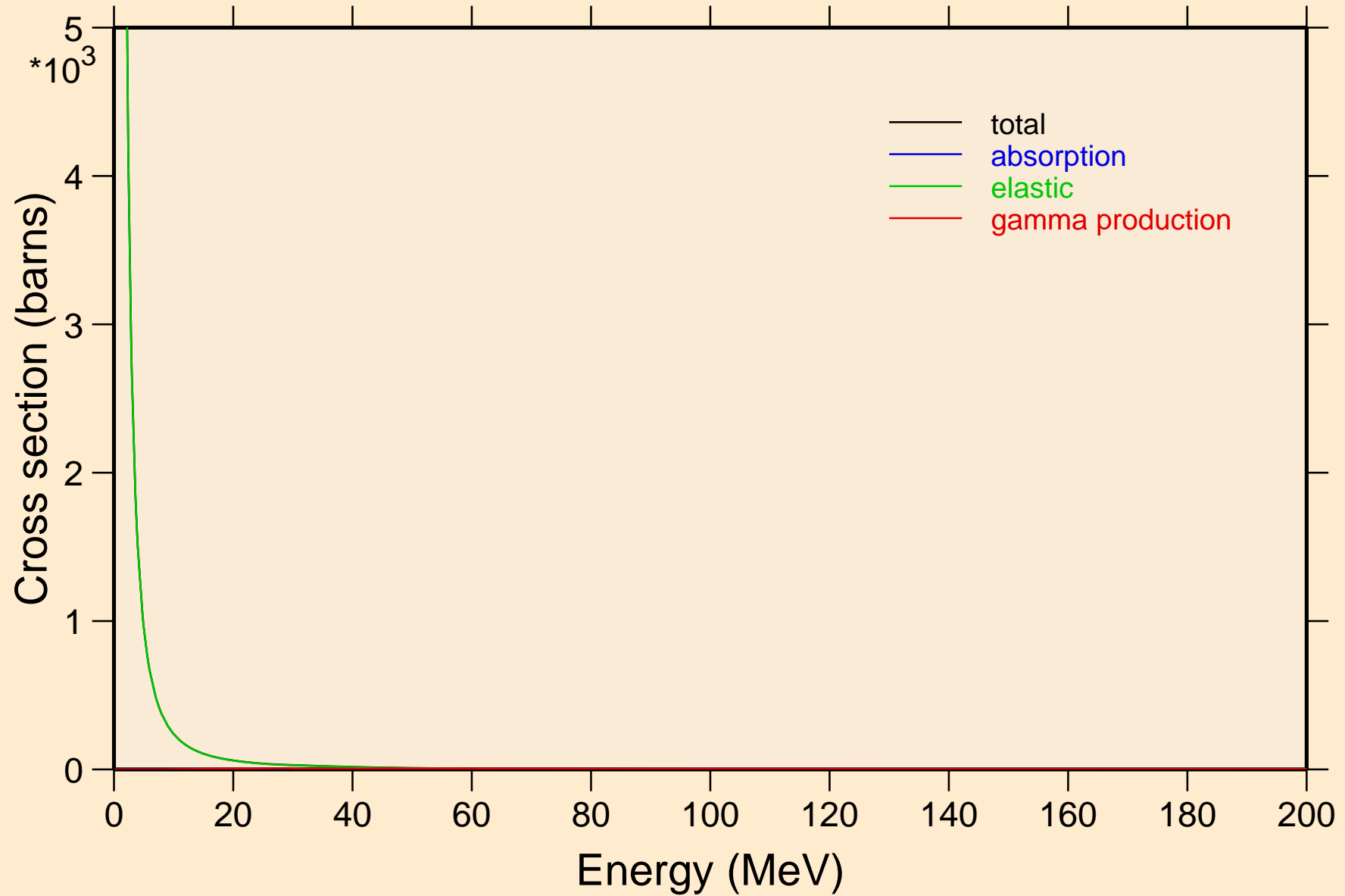
# SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Heating



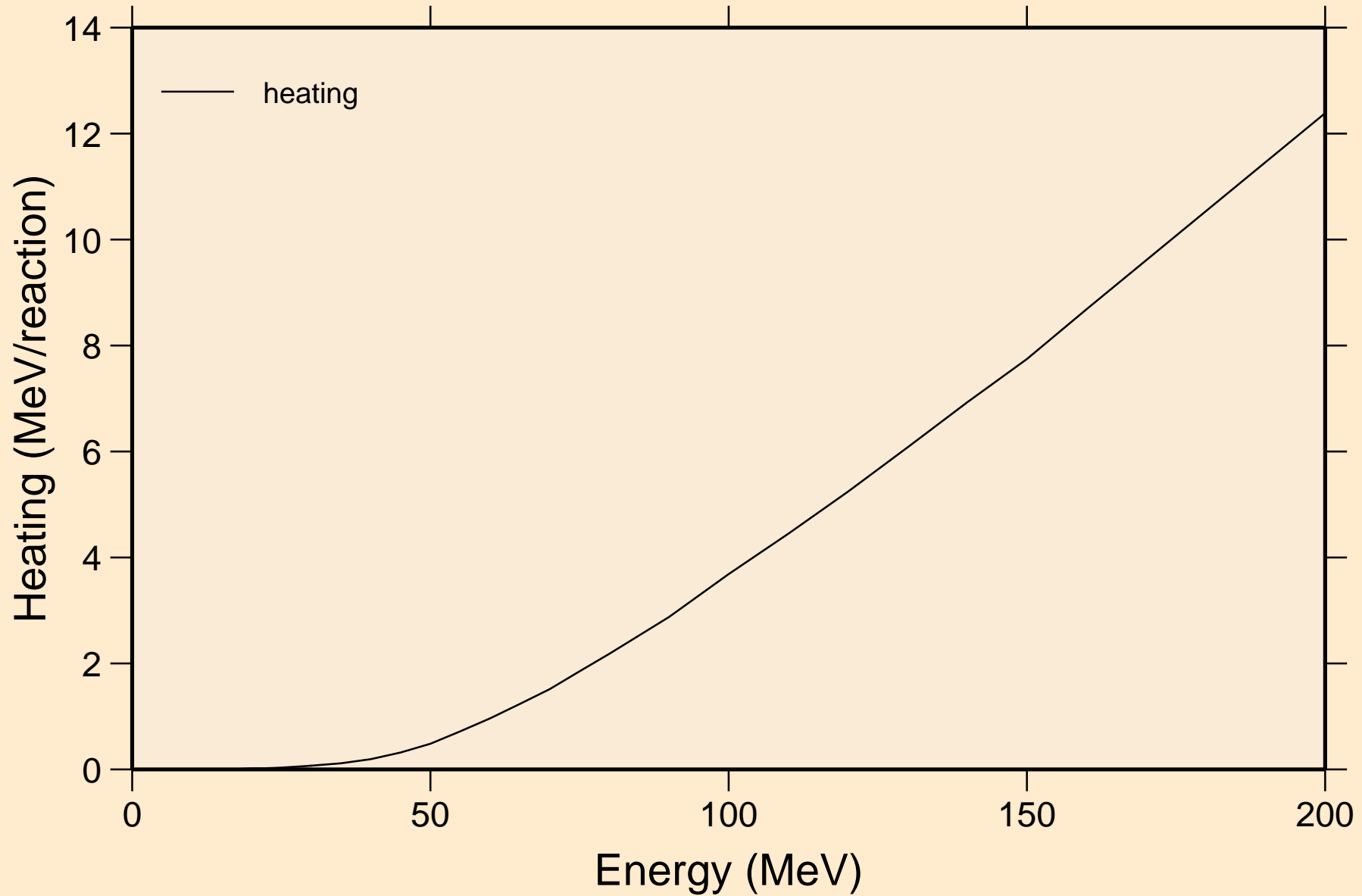
# SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections

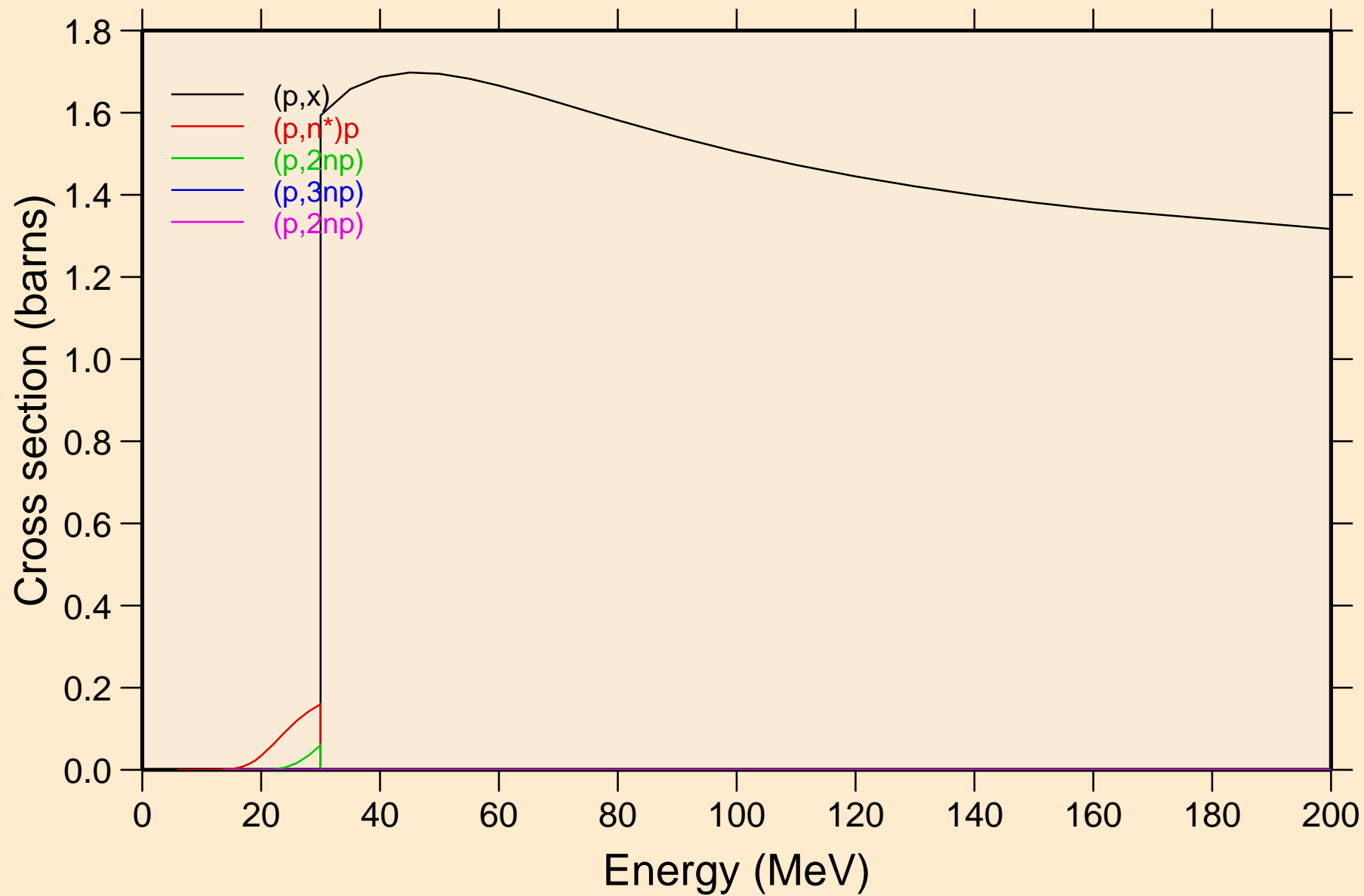


# SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K

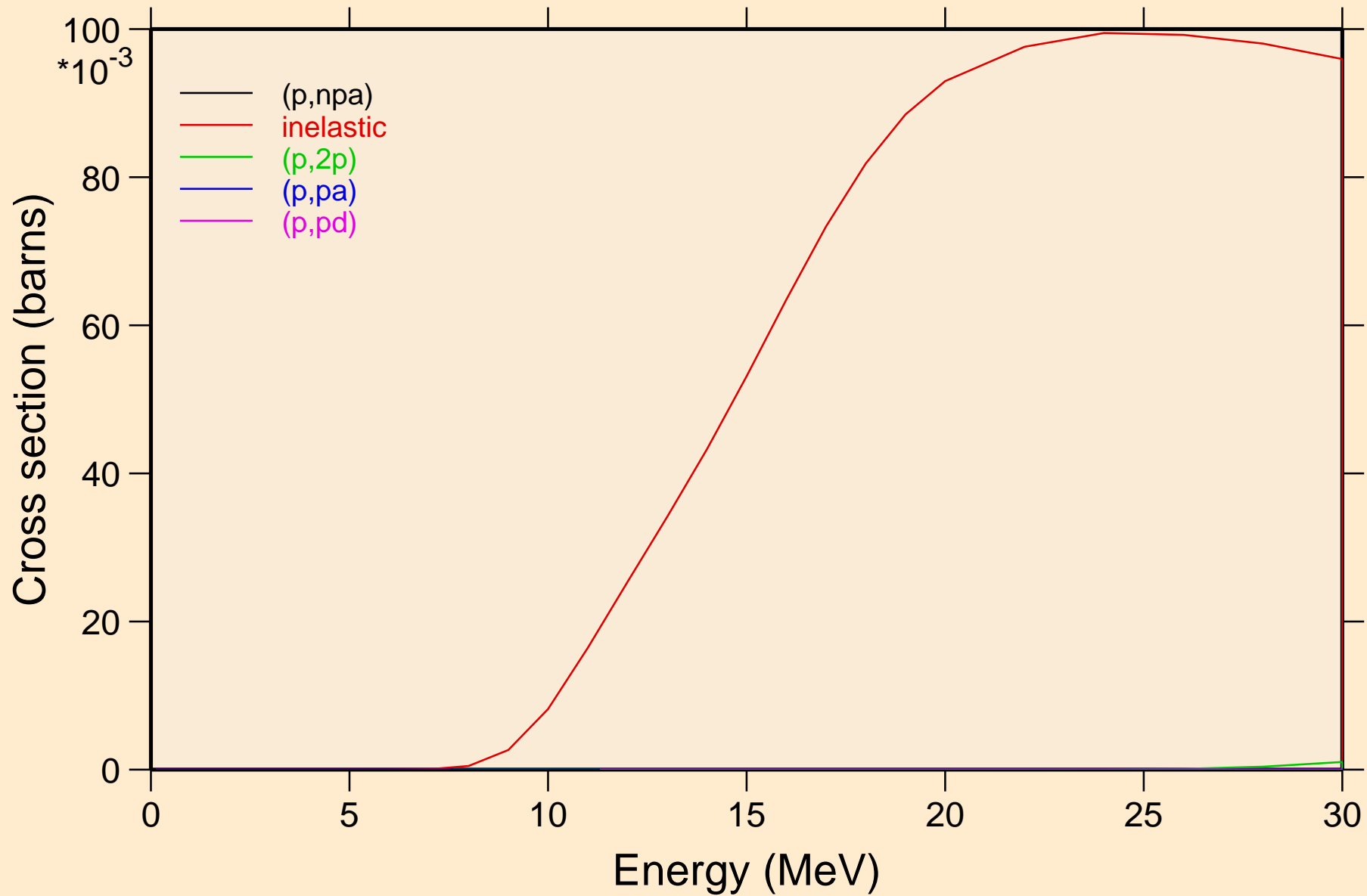
## Heating



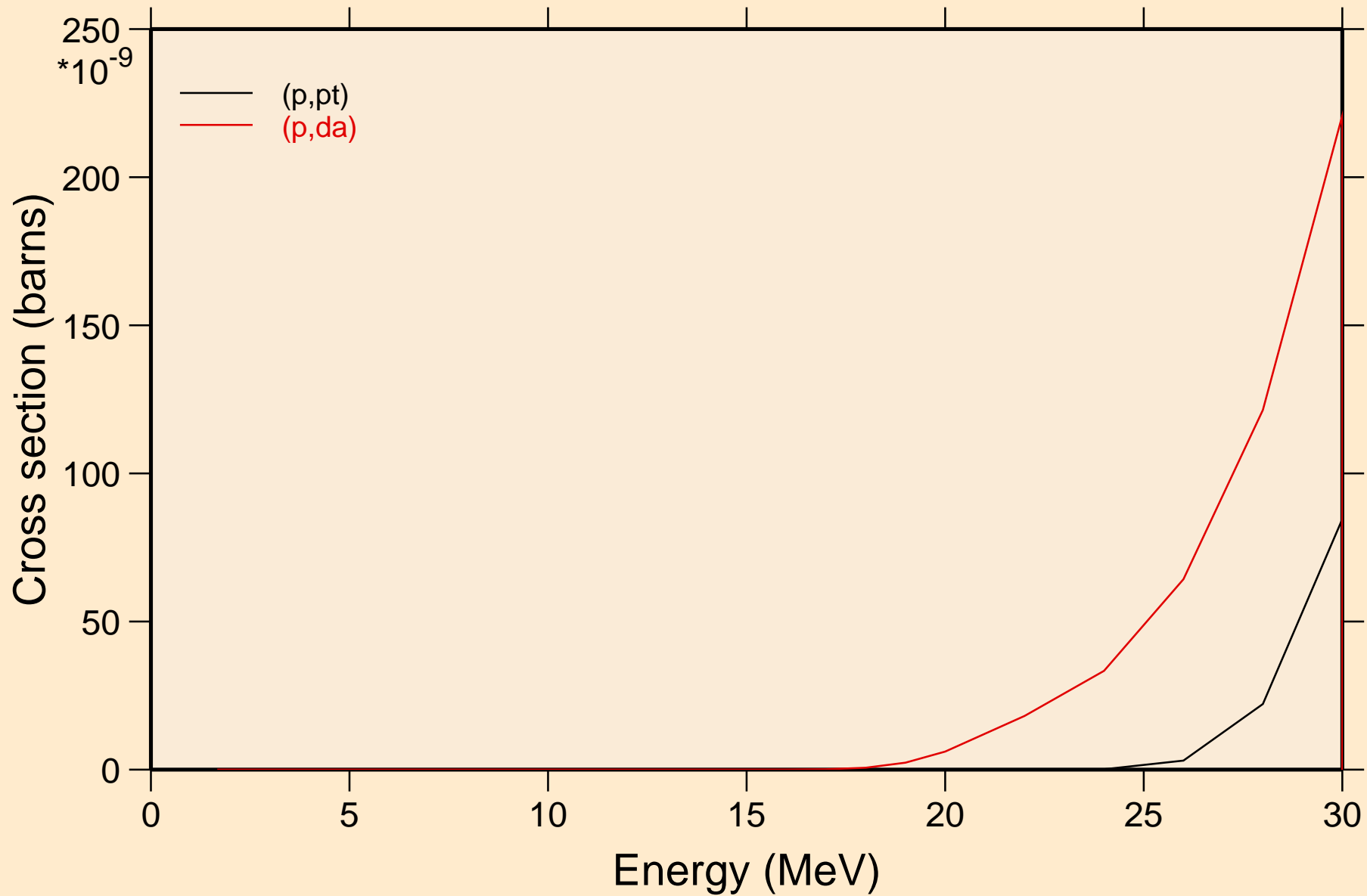
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



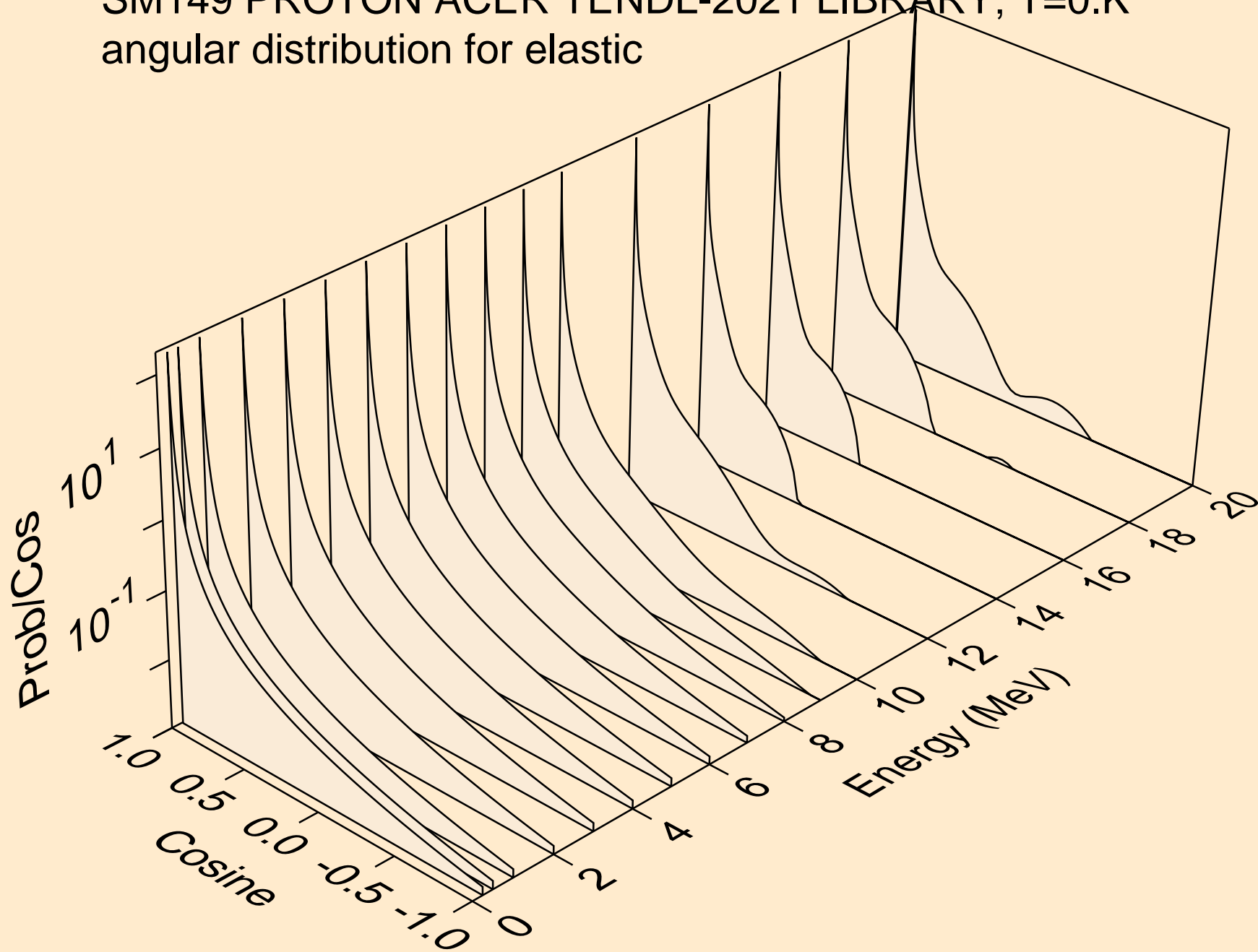
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

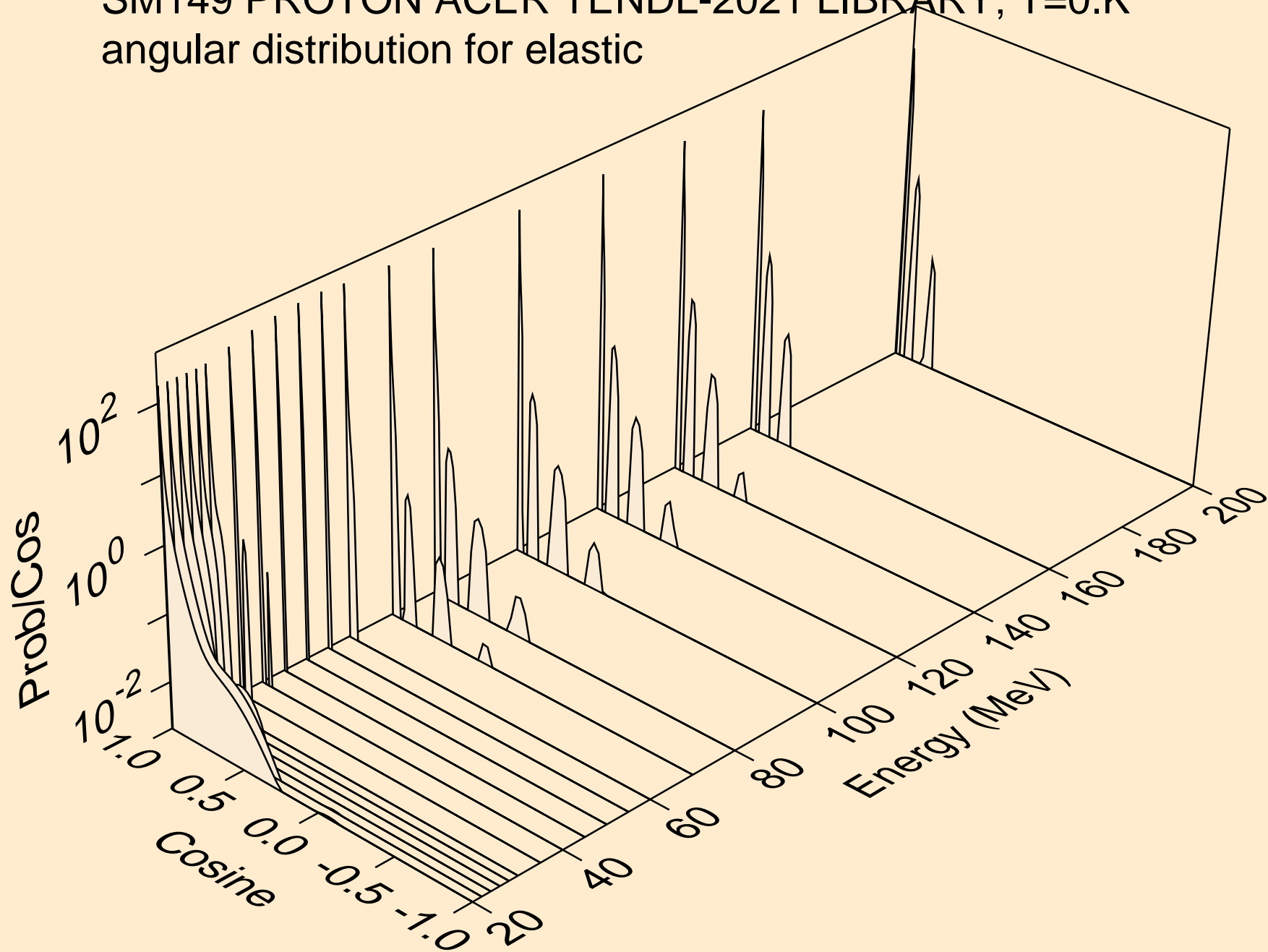


SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic

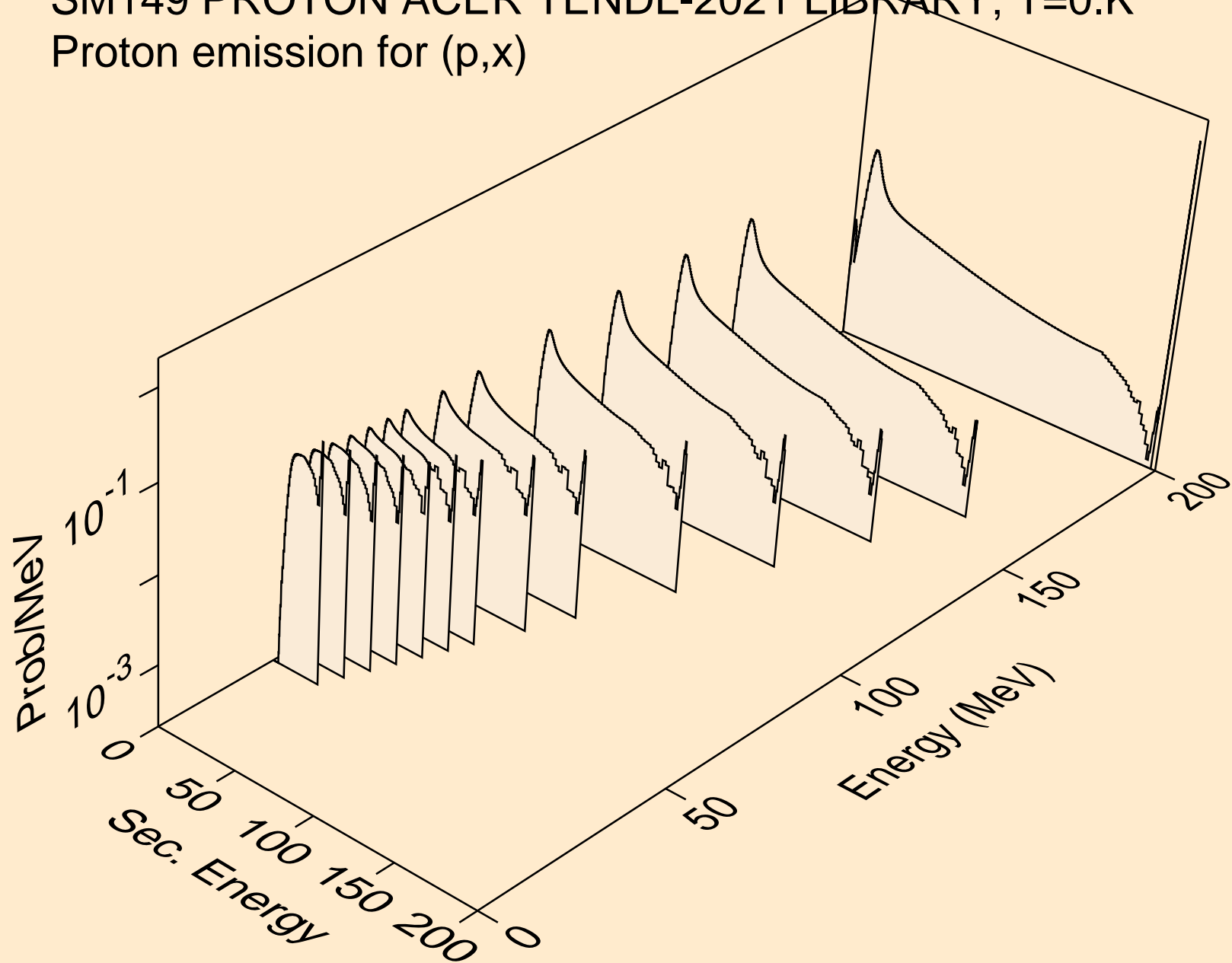




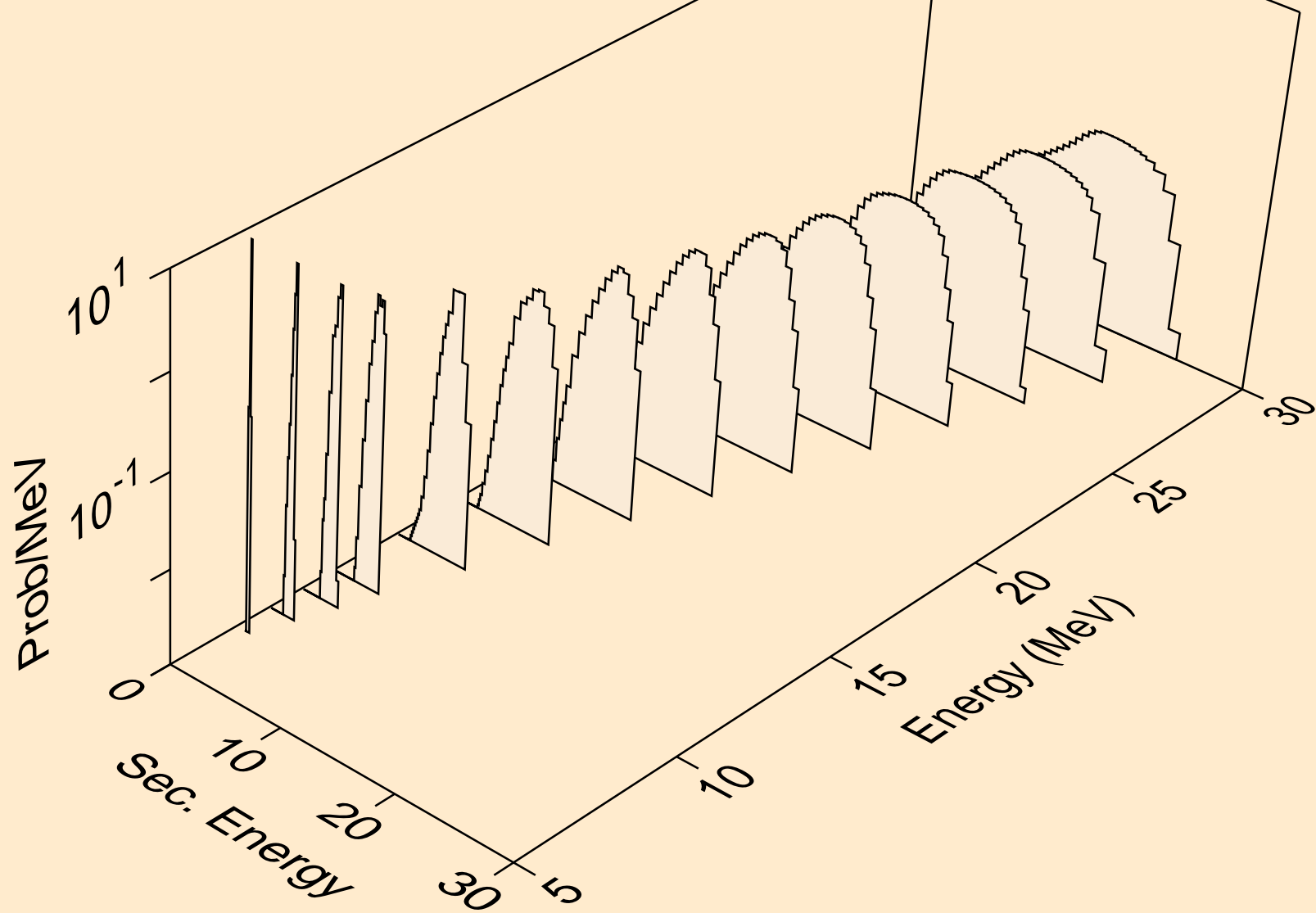
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



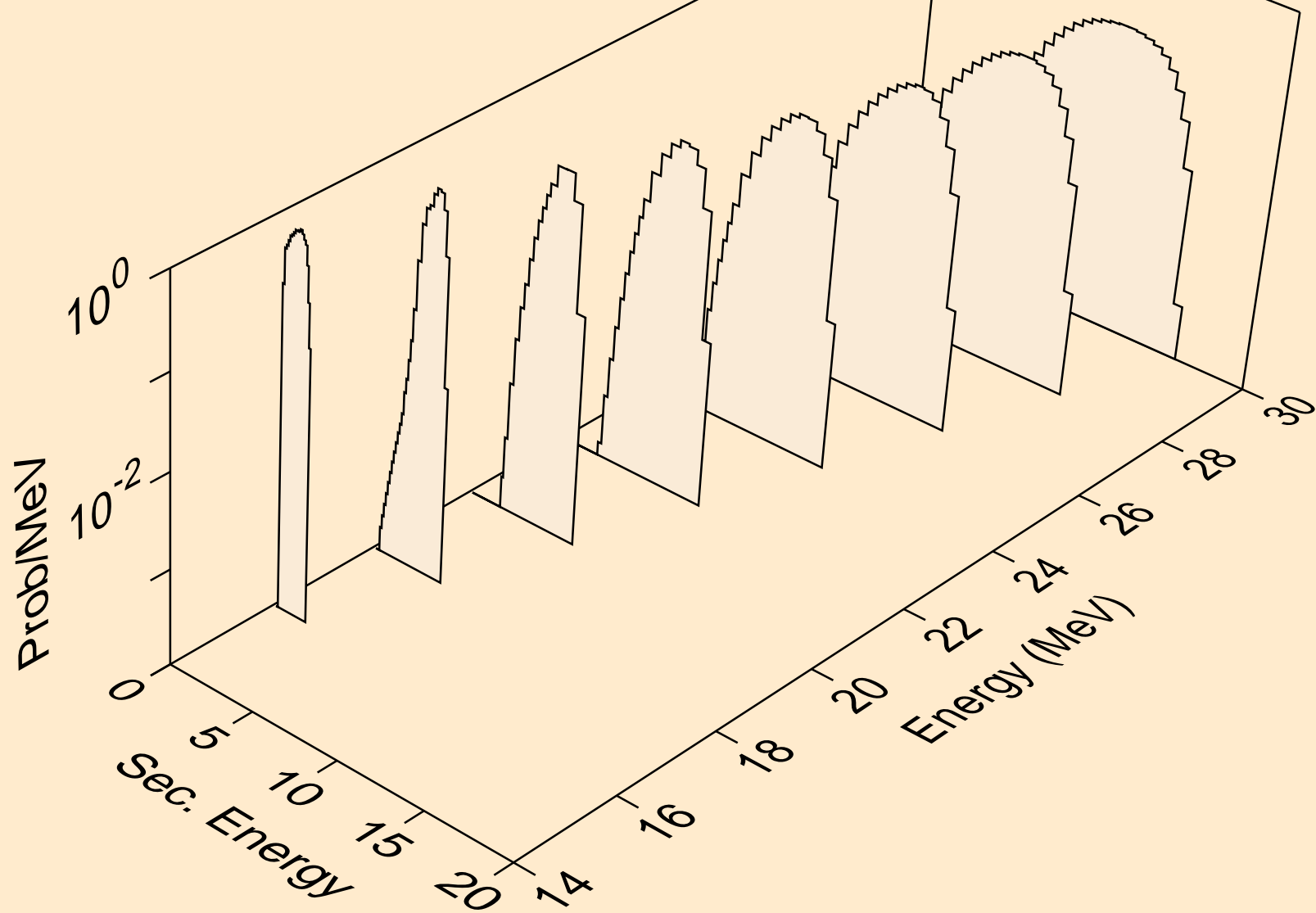
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,x)



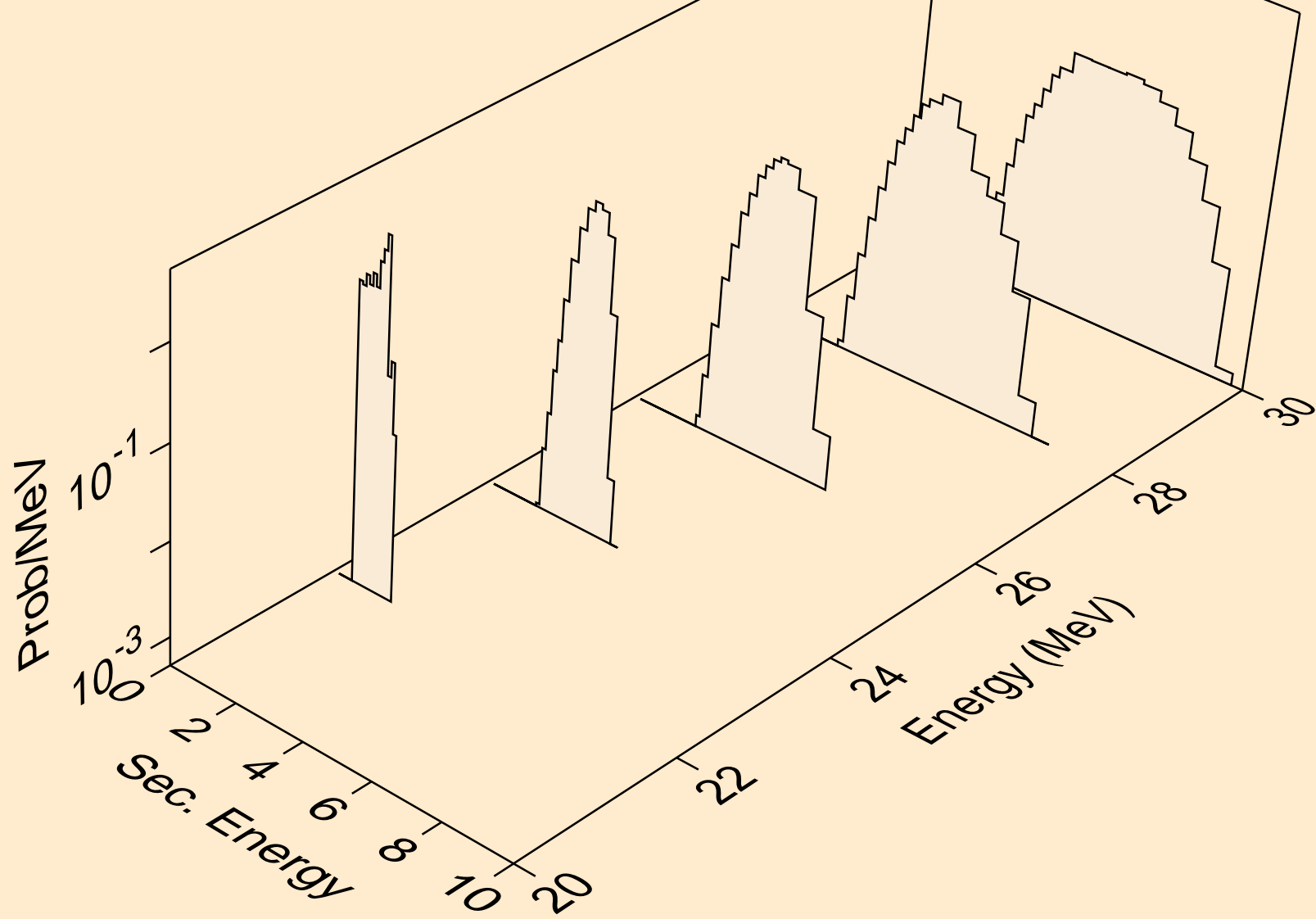
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



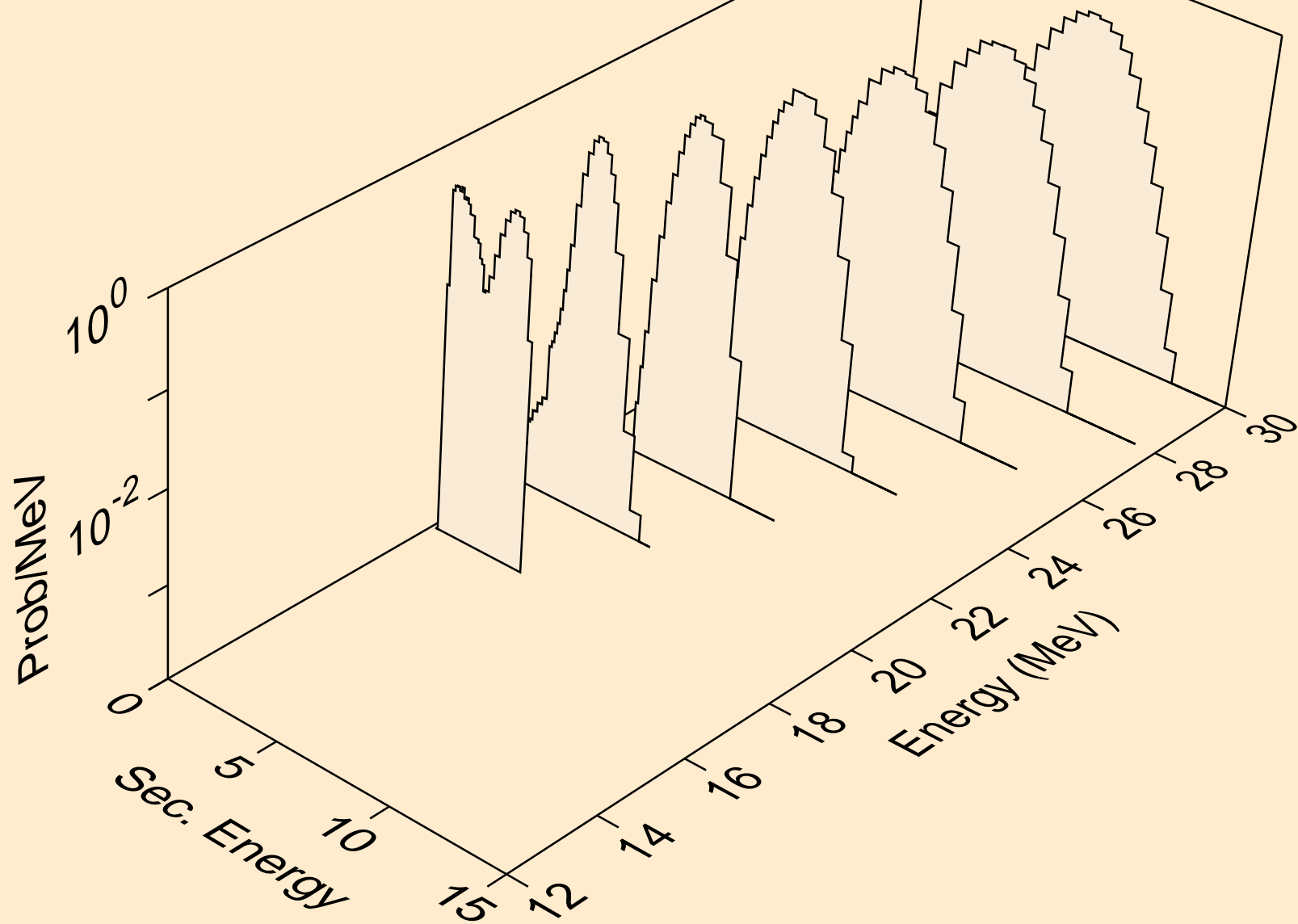
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



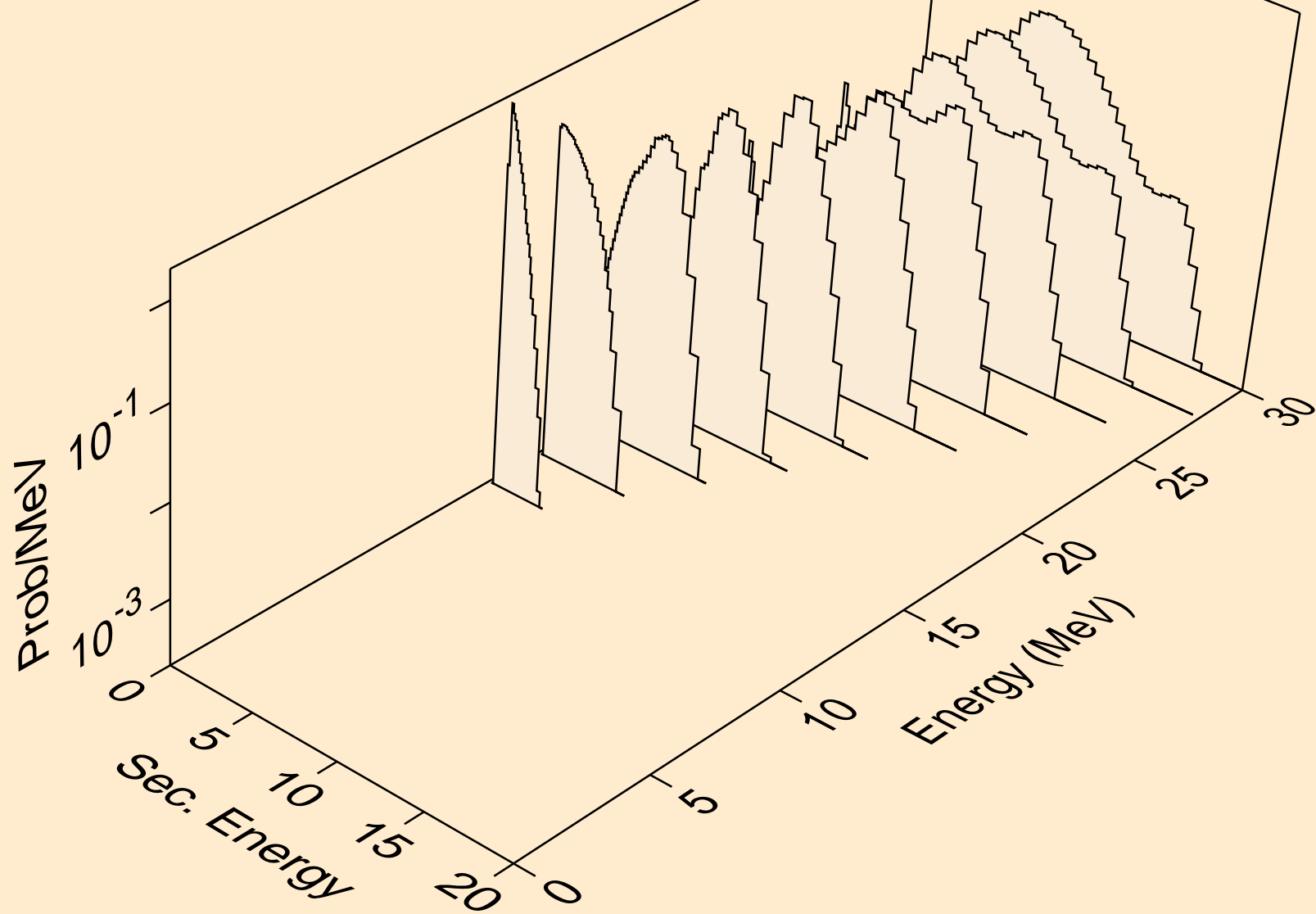
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,3np)



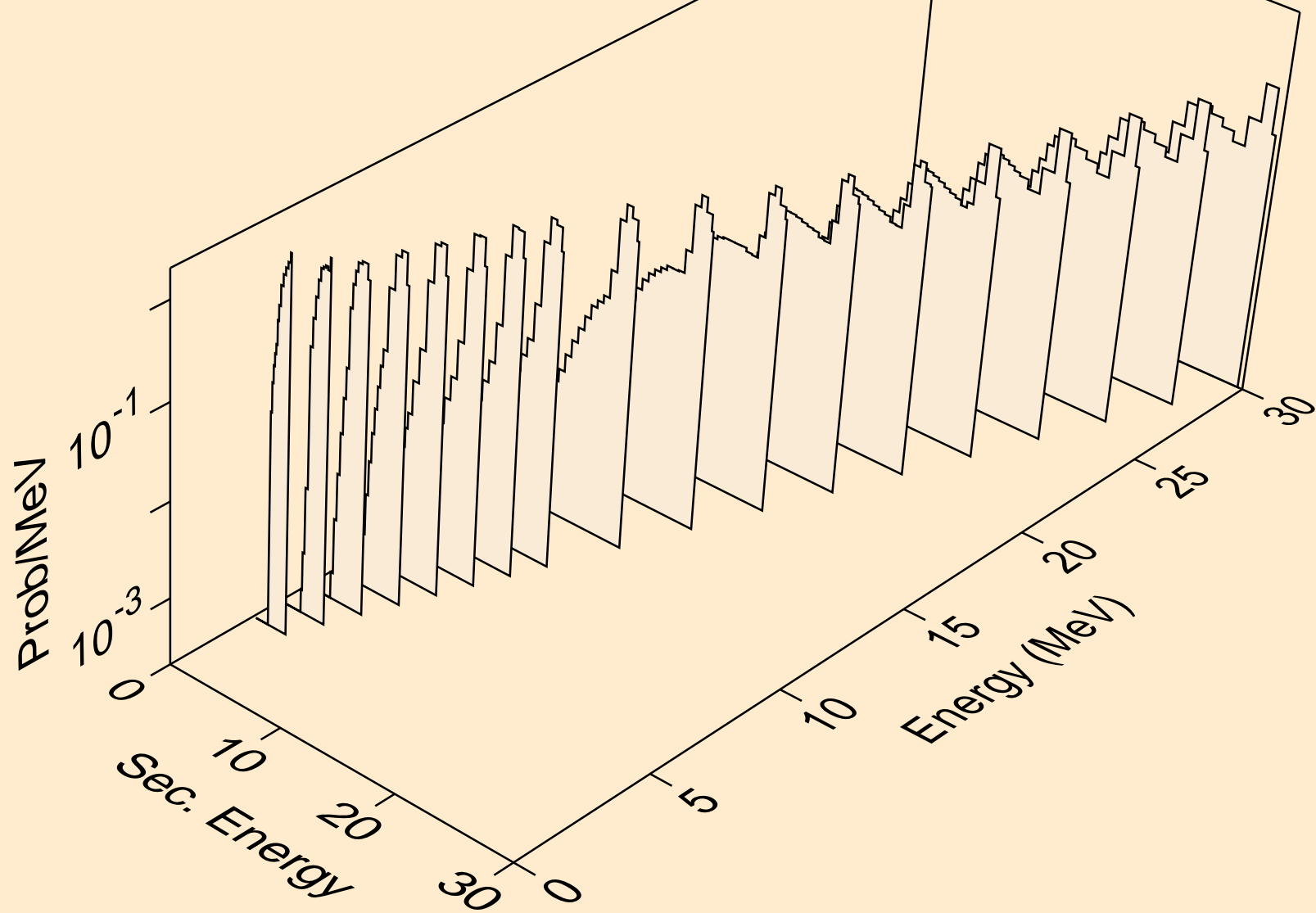
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,npa)

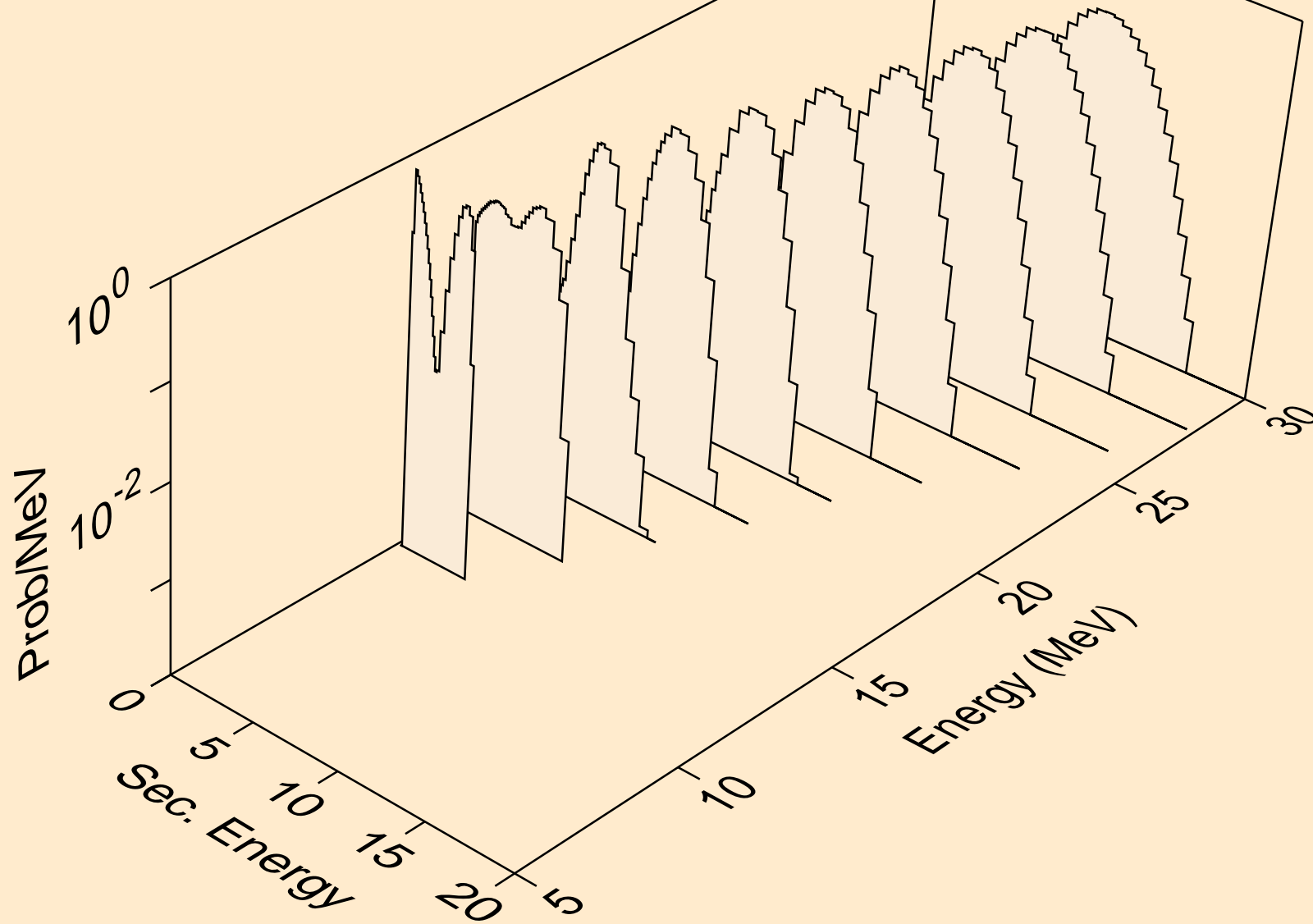


SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for inelastic

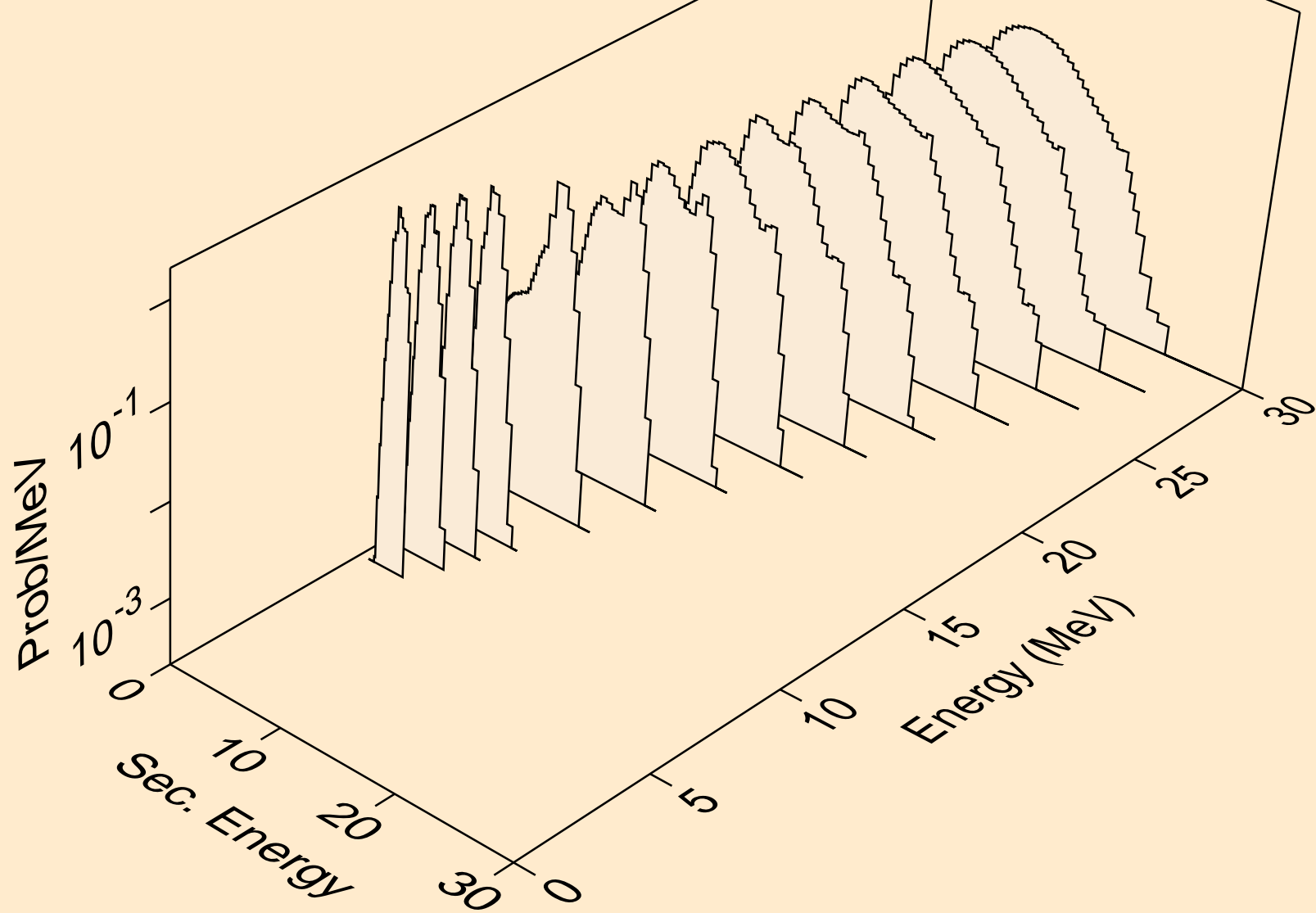




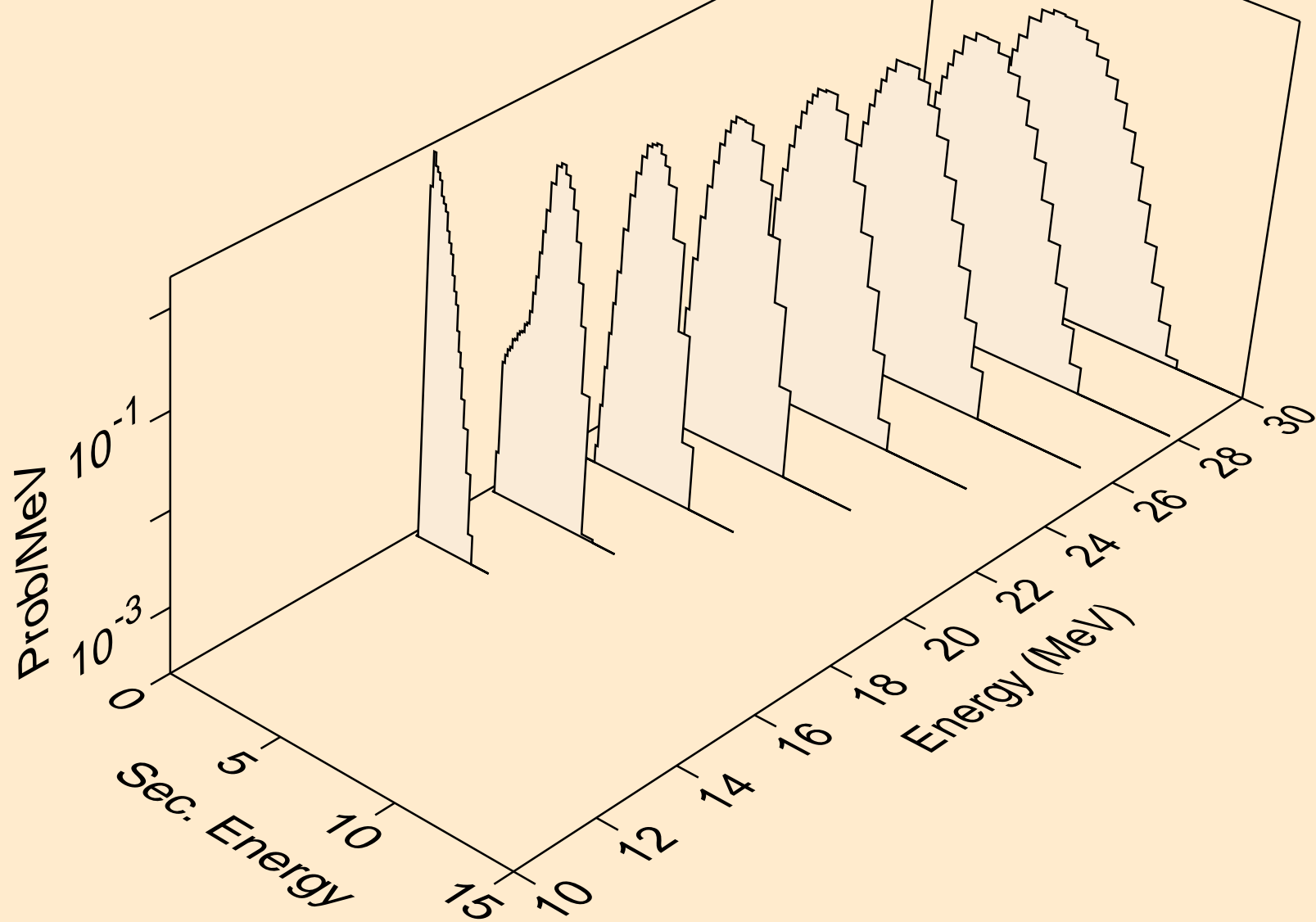
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2p)



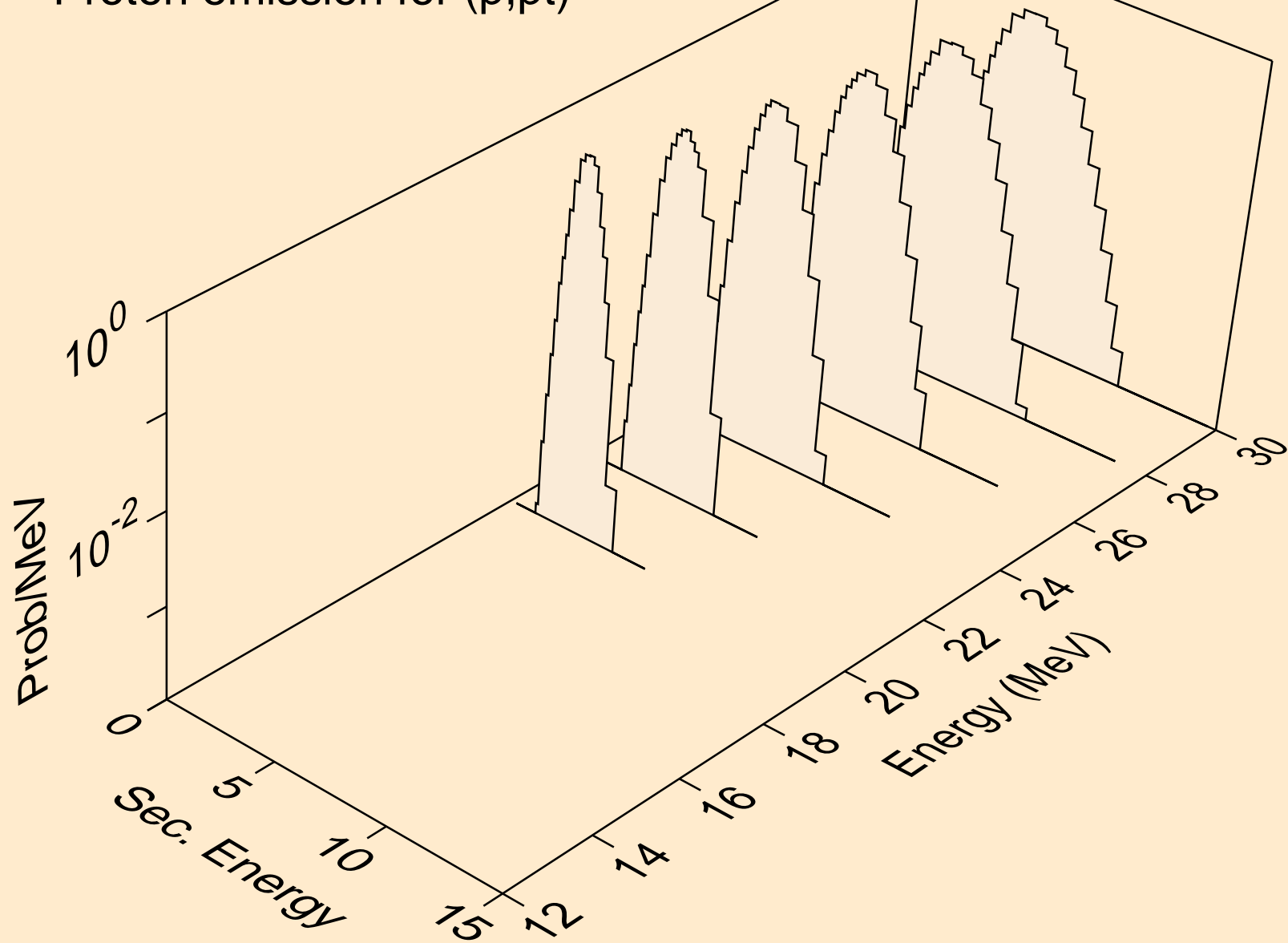
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pa)



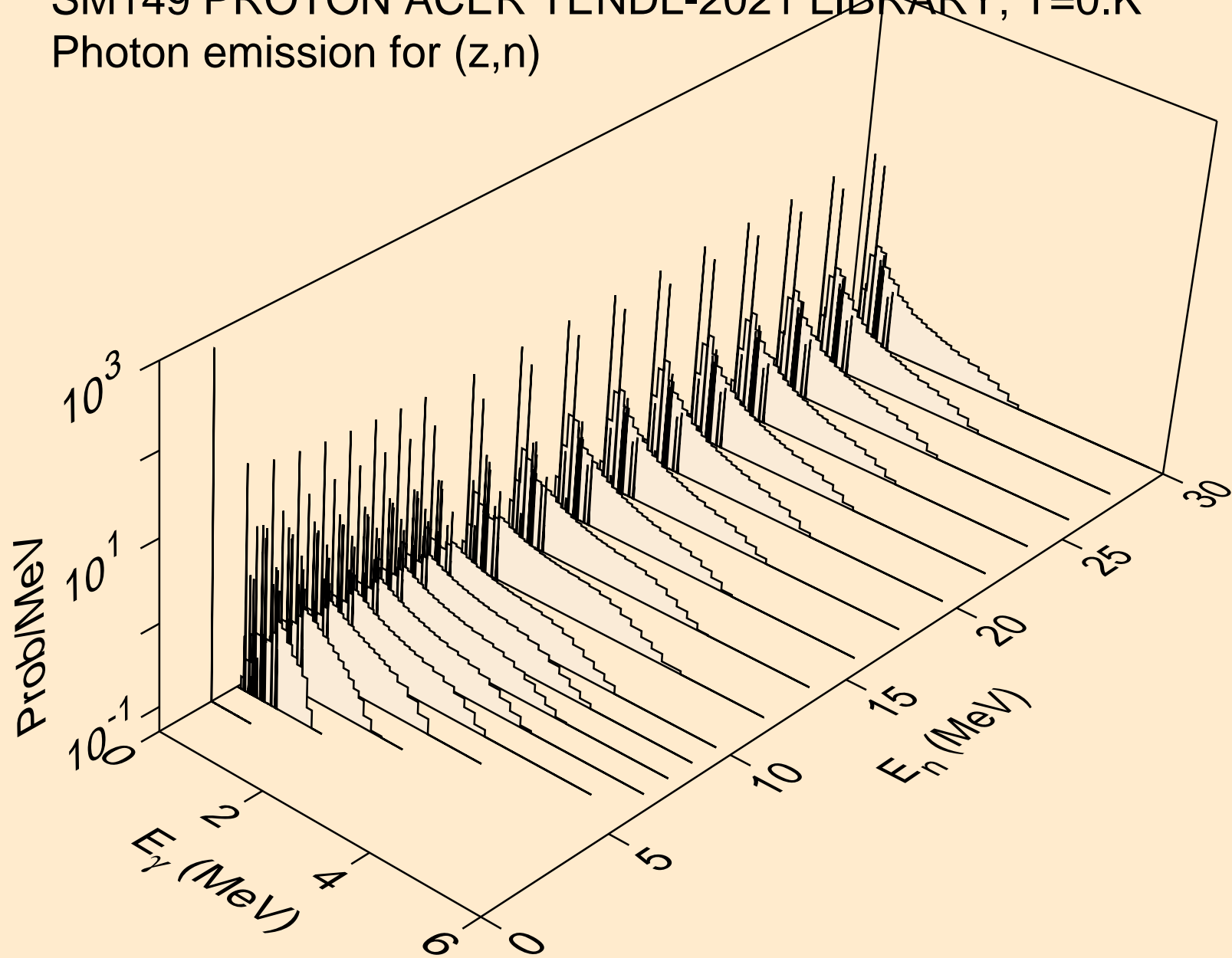
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pd)



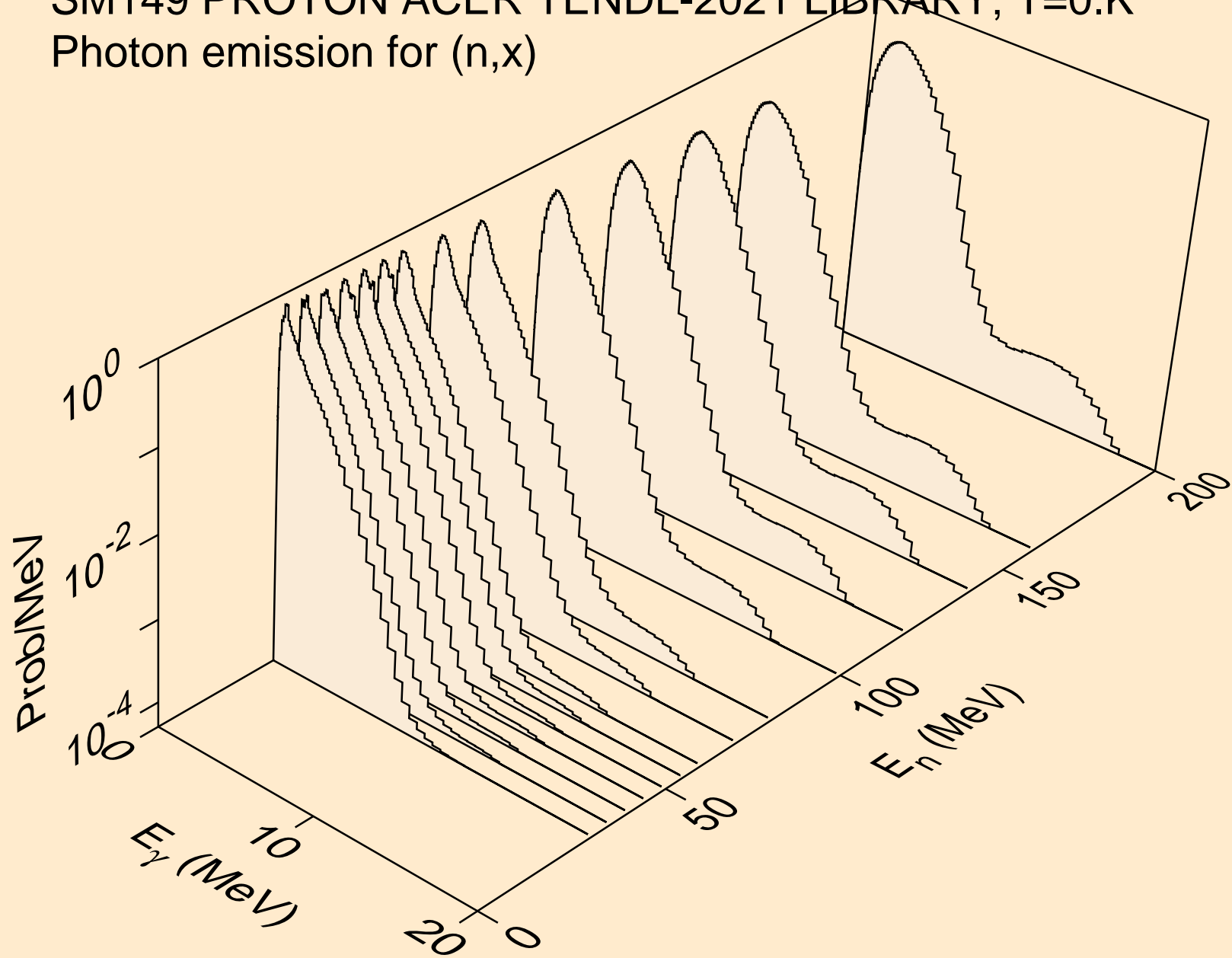
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pt)



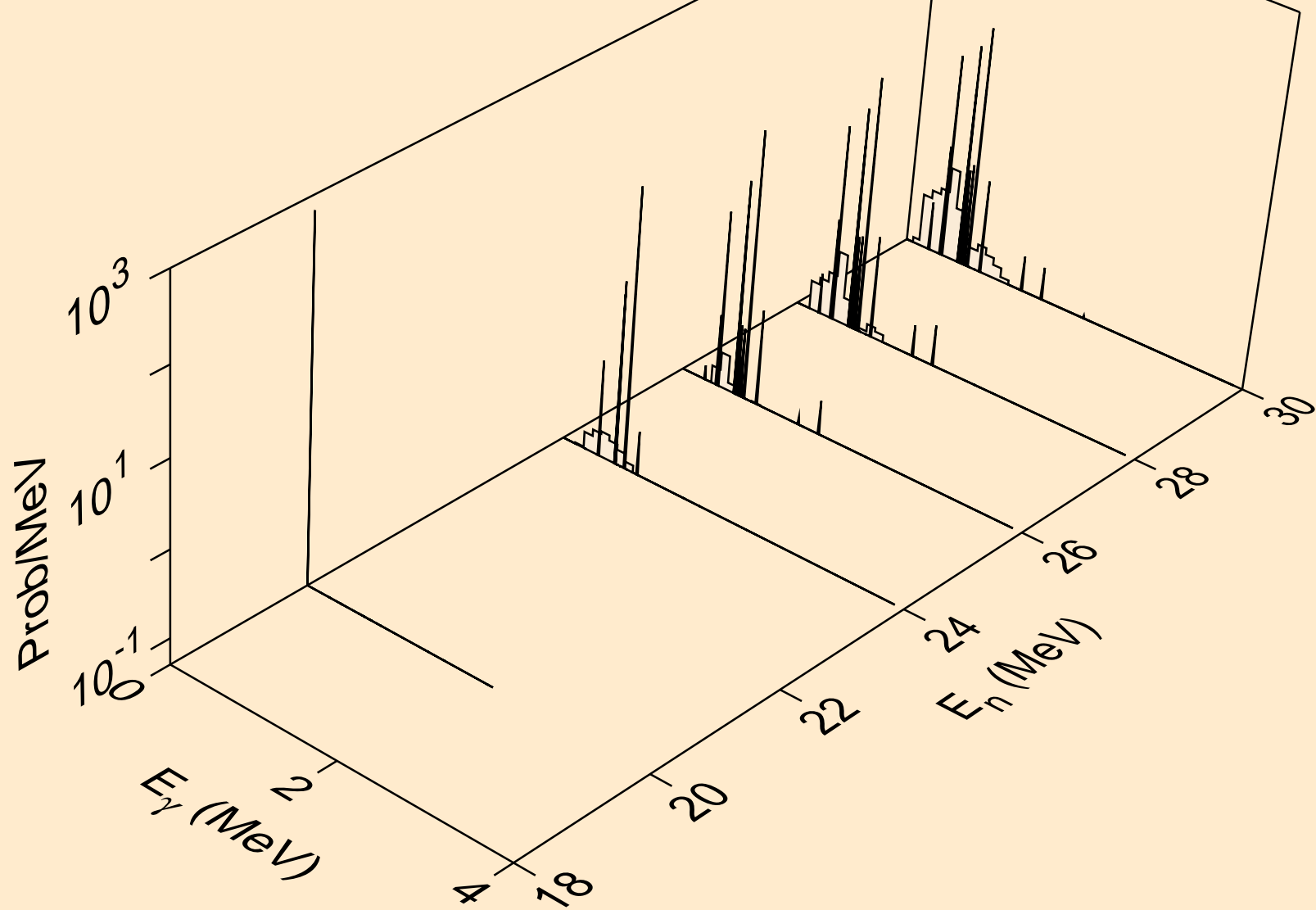
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



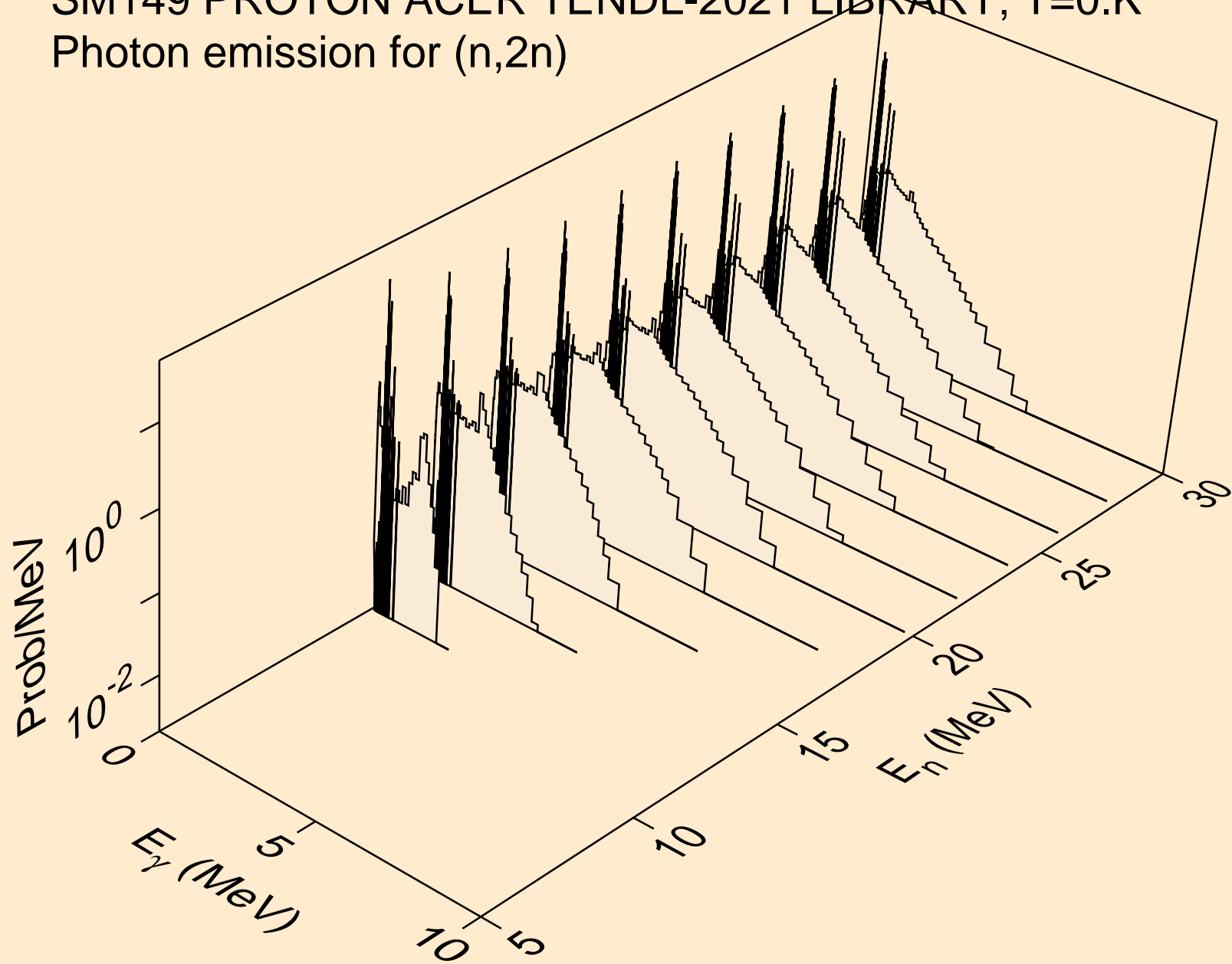
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)

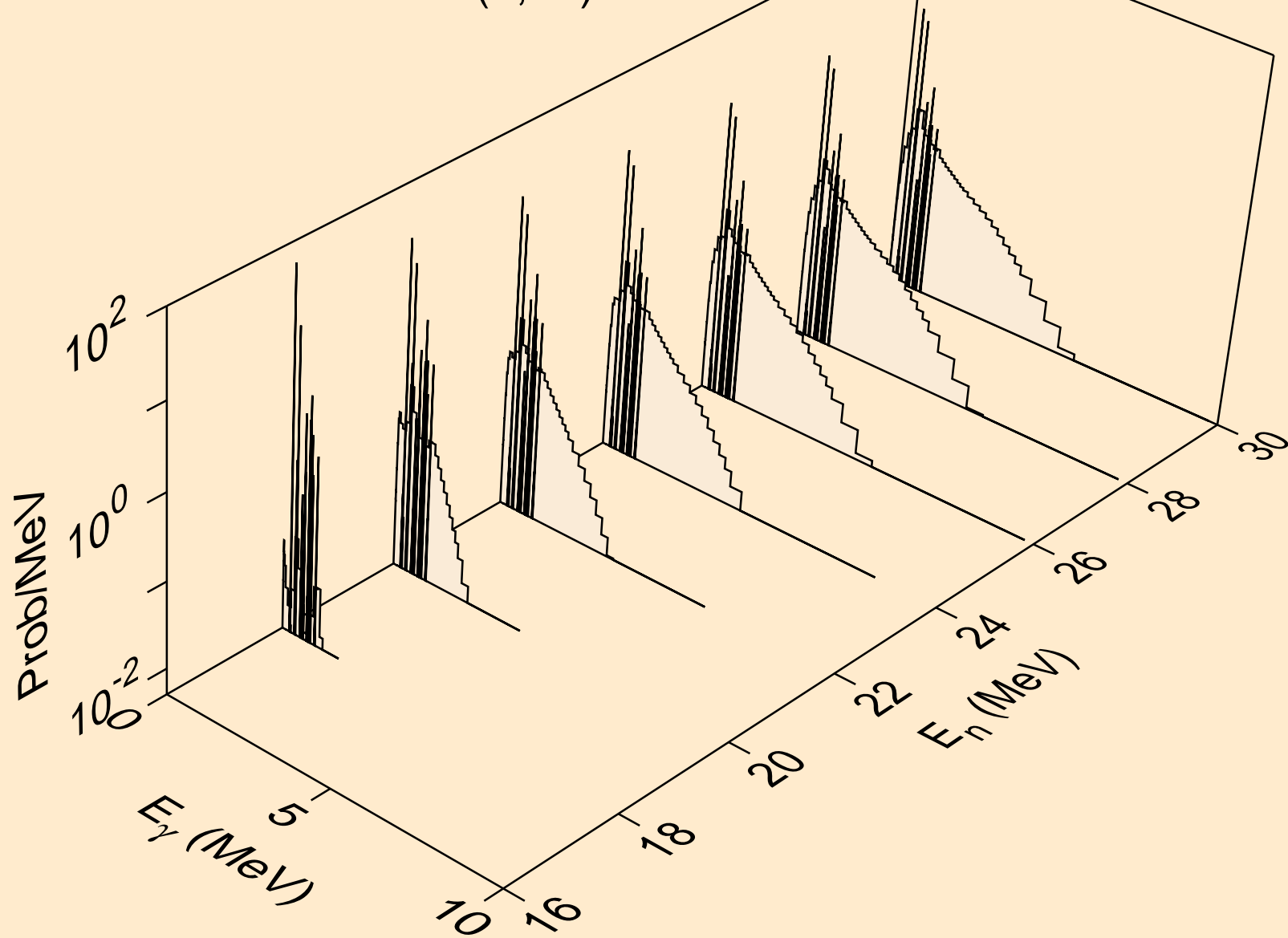


SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)

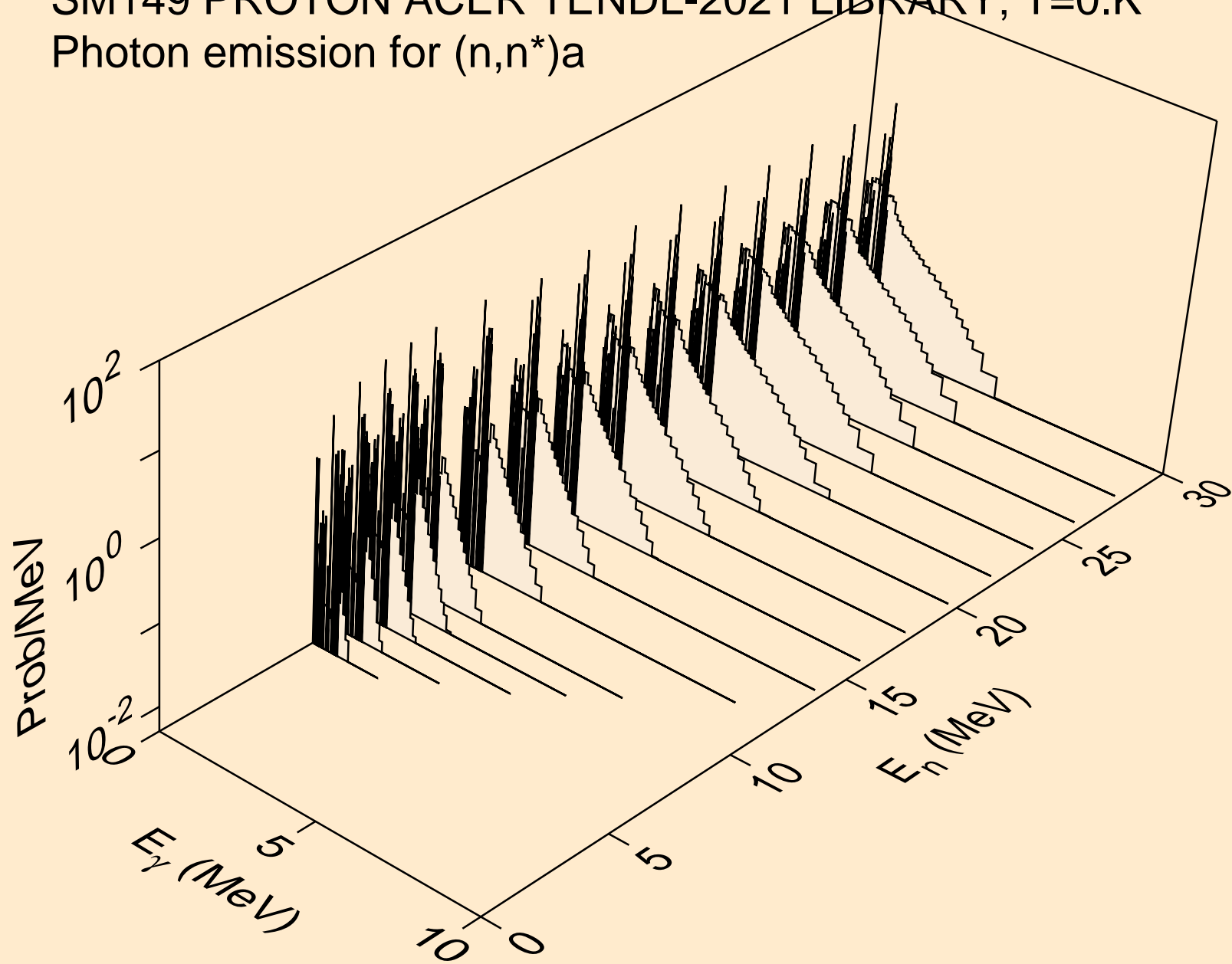




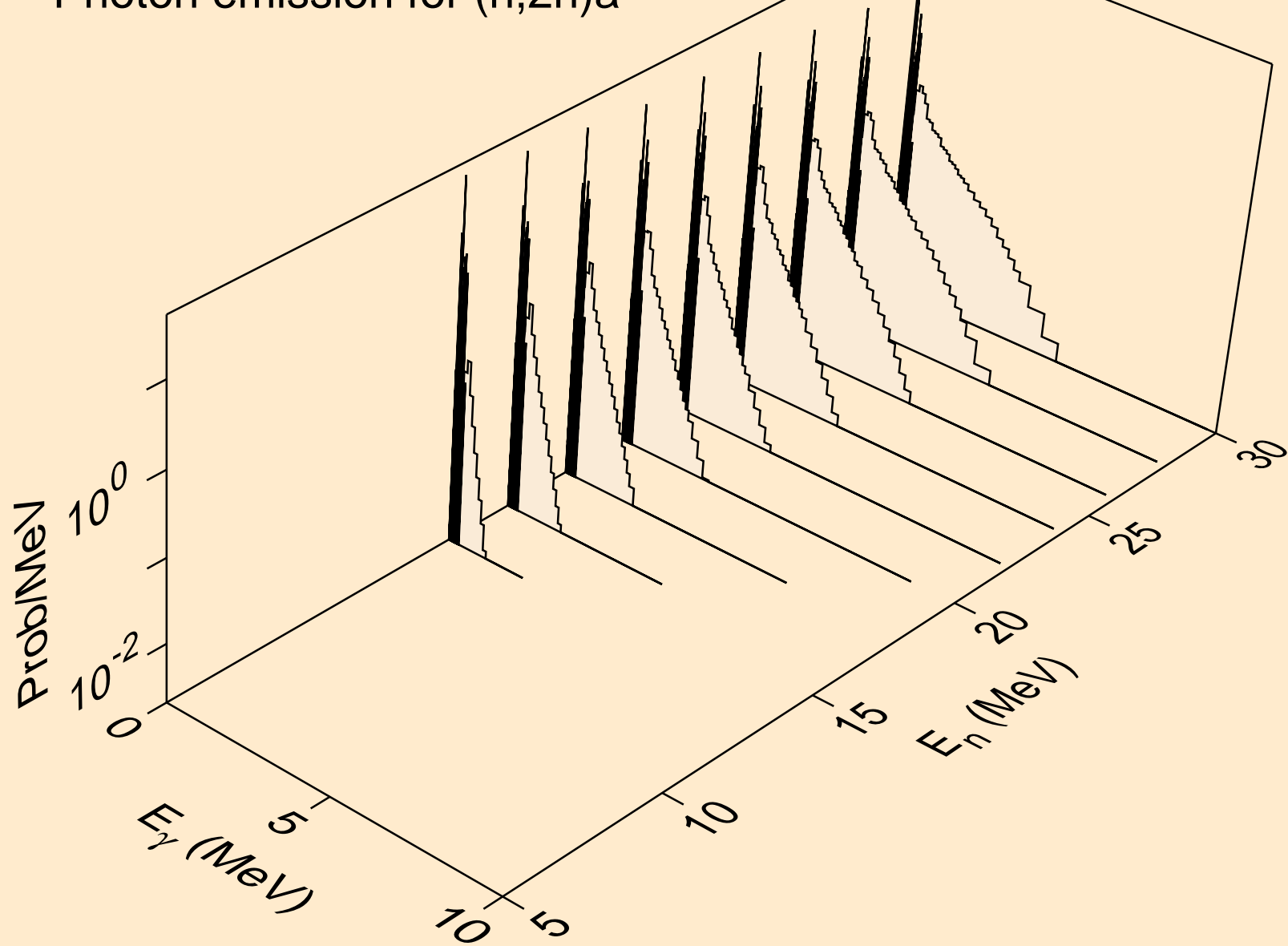
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)



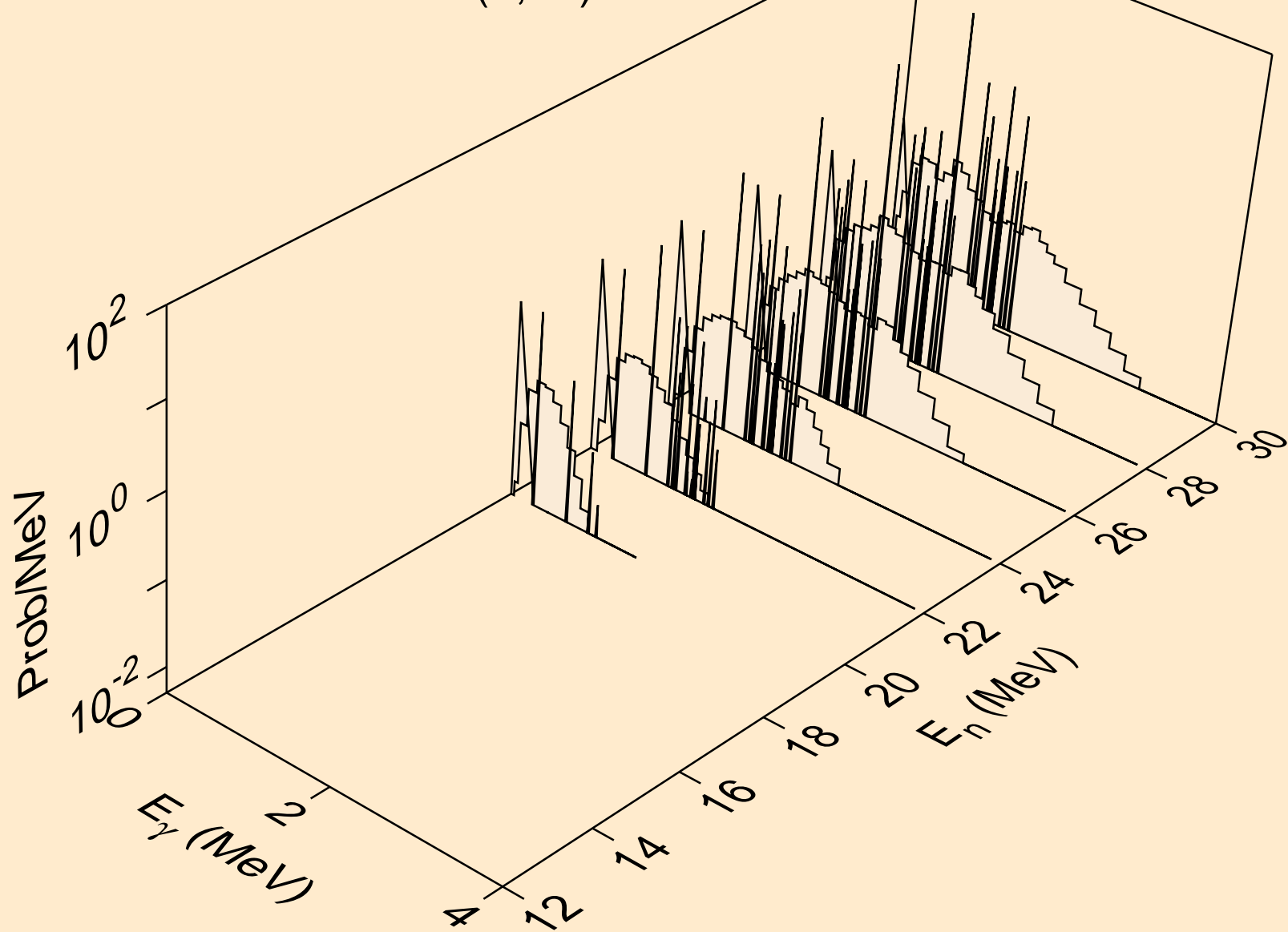
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



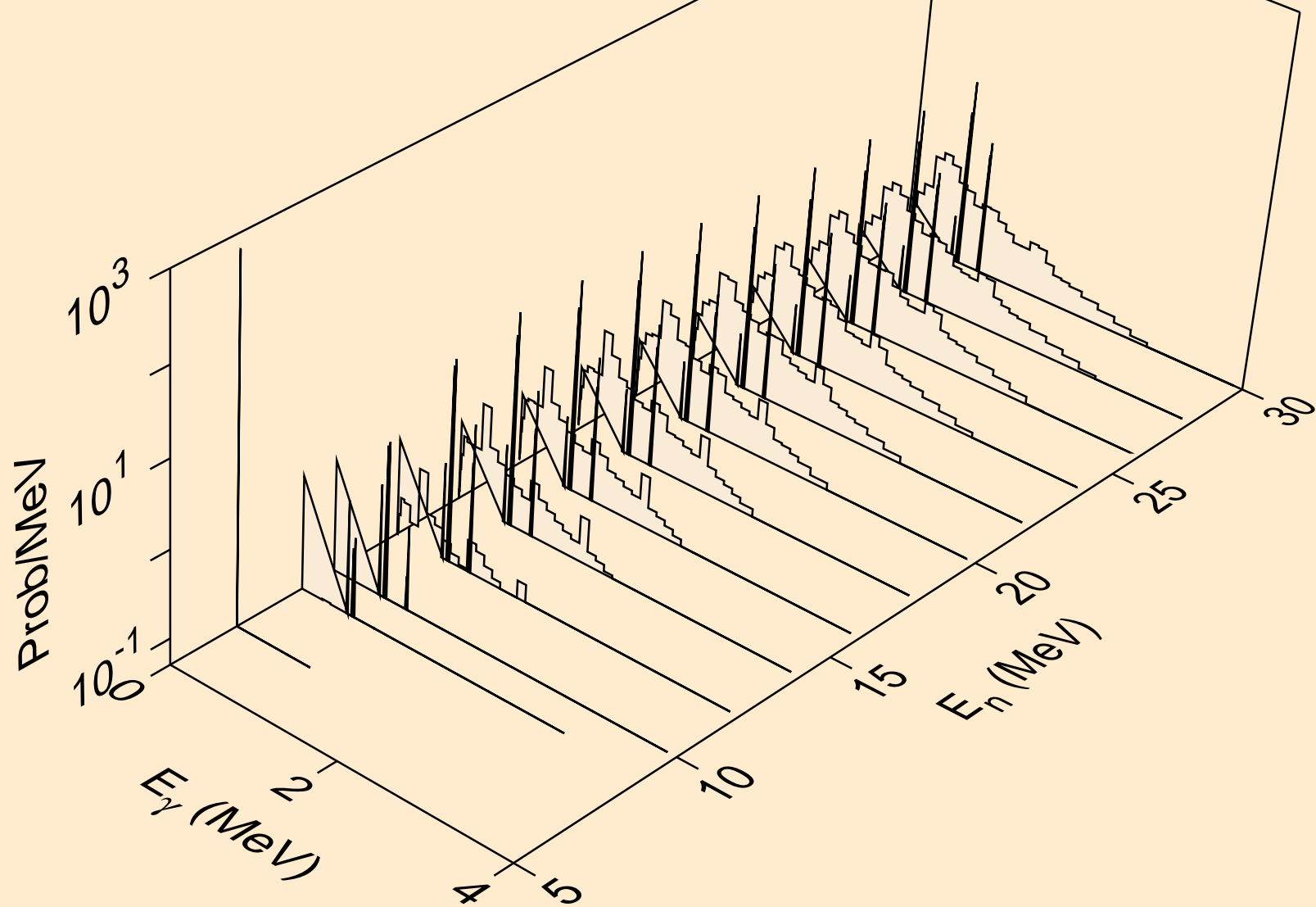
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Photon emission for (n,2n)a



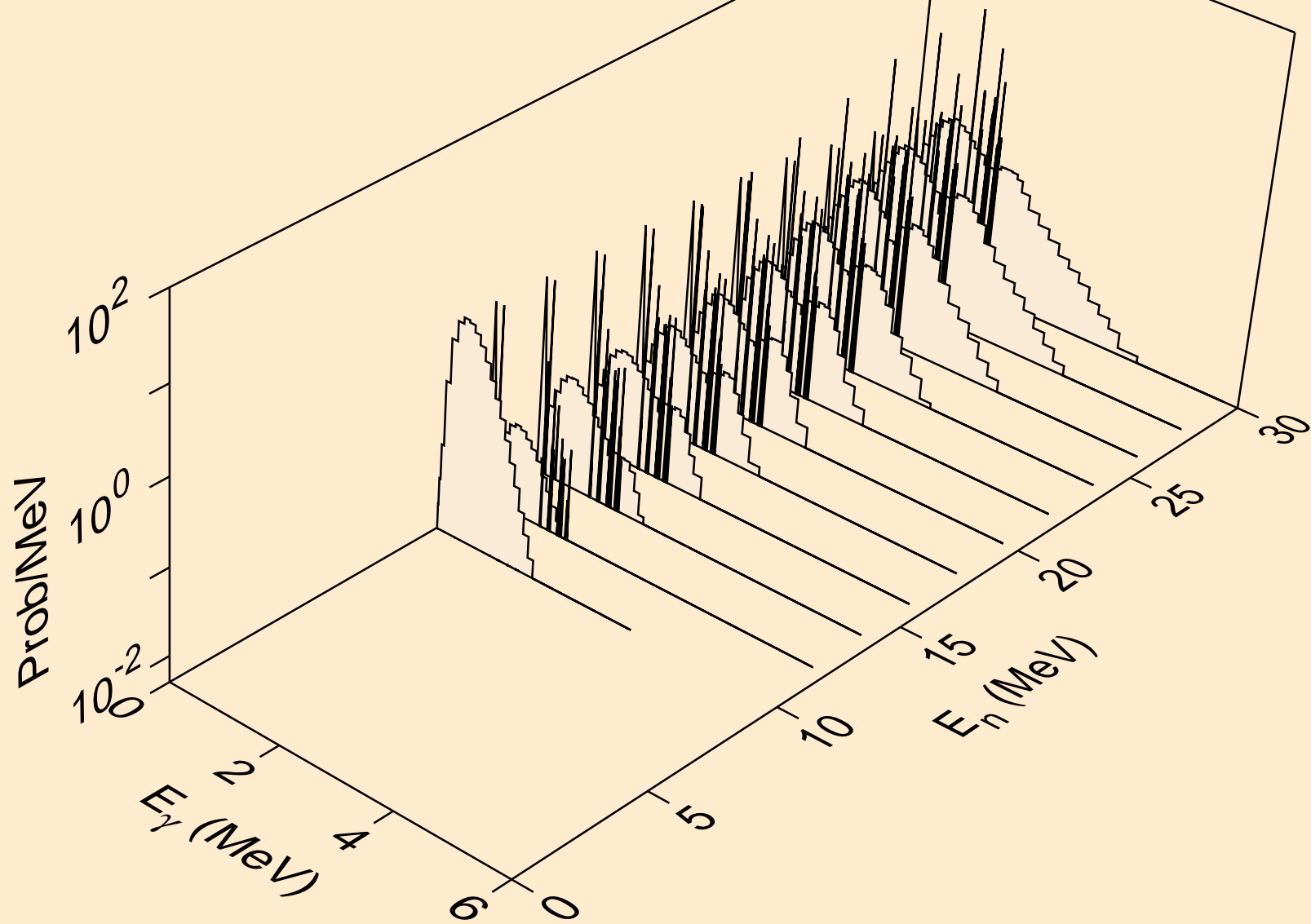
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Photon emission for (n,3n)a



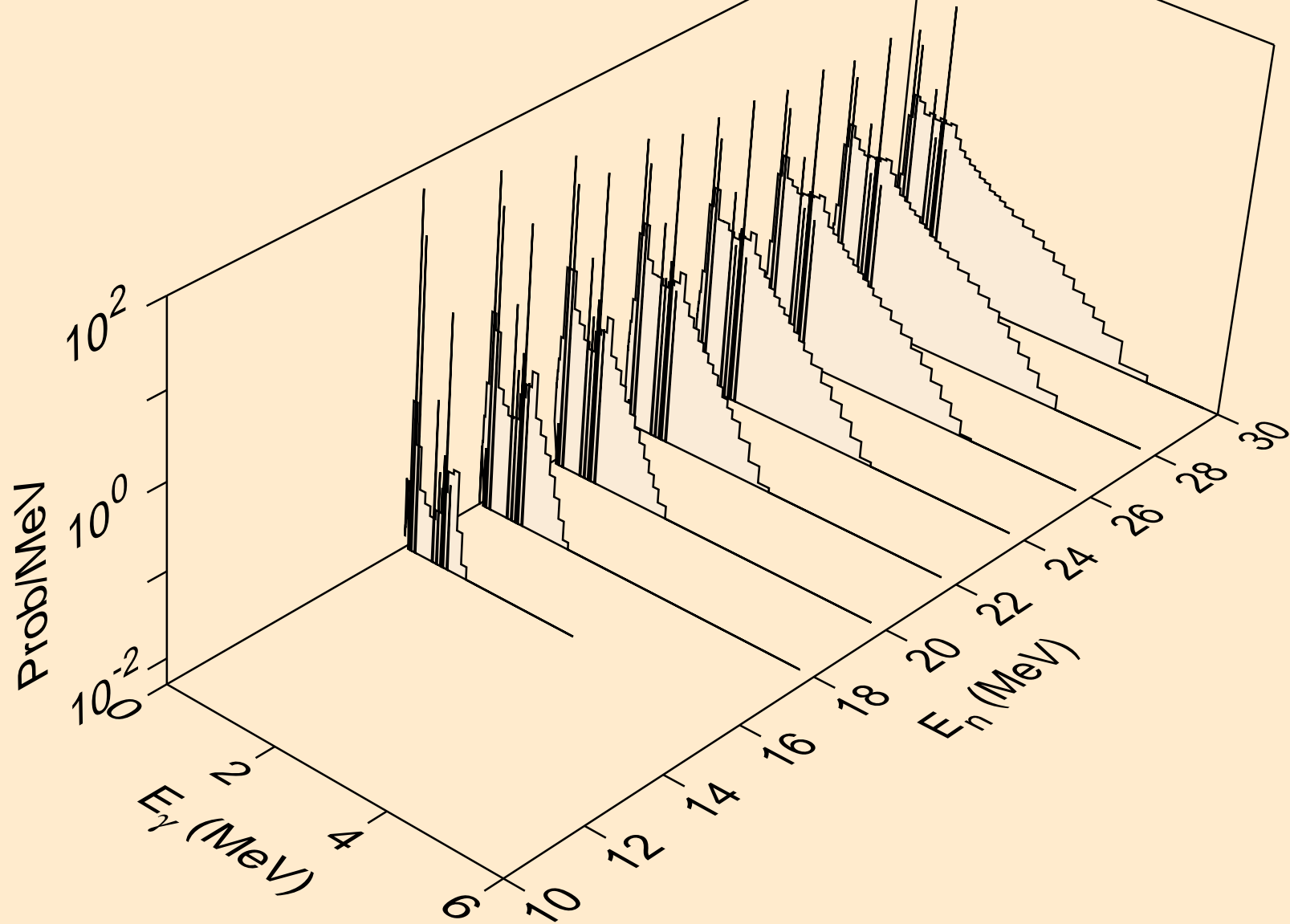
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



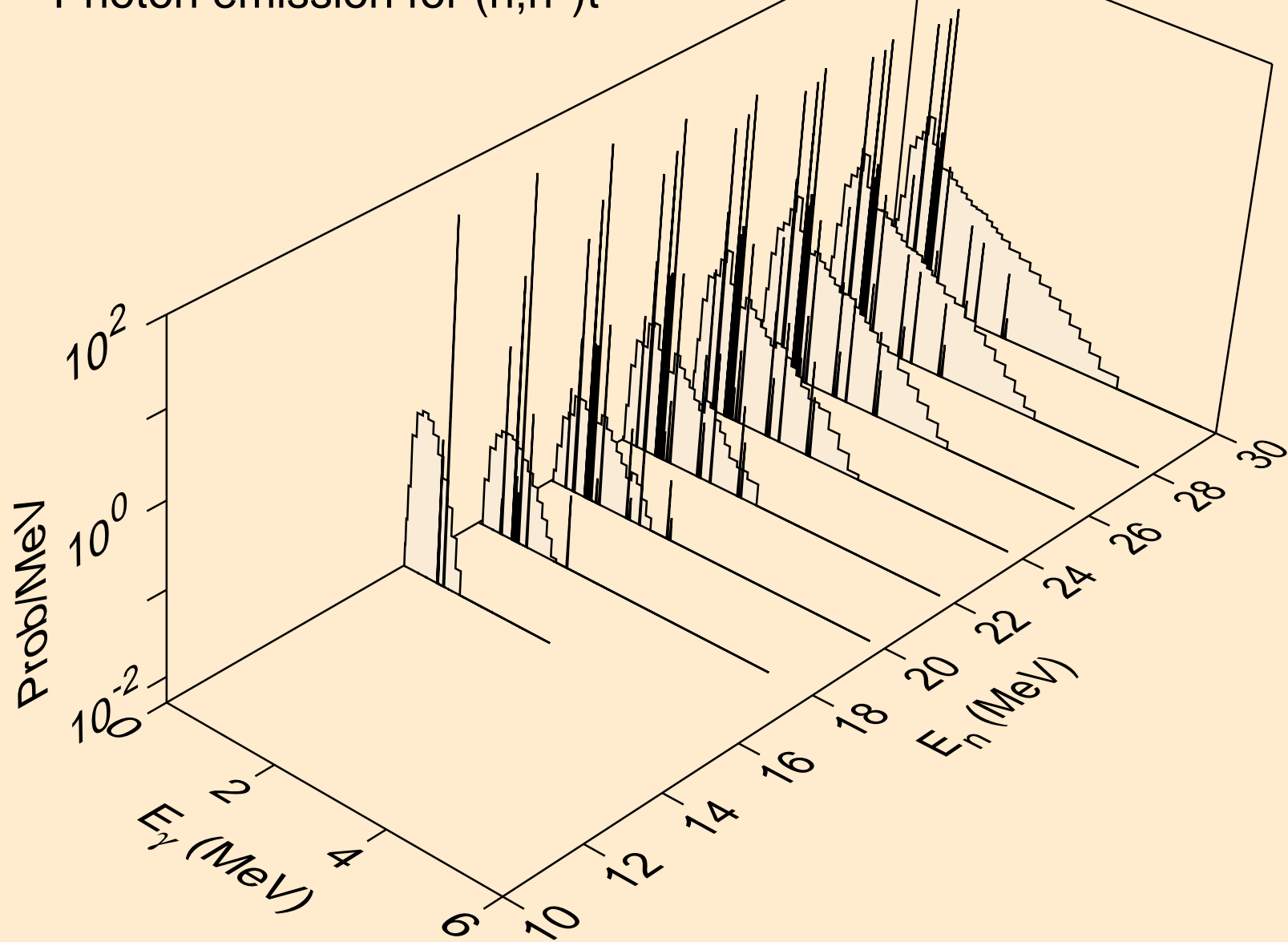
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

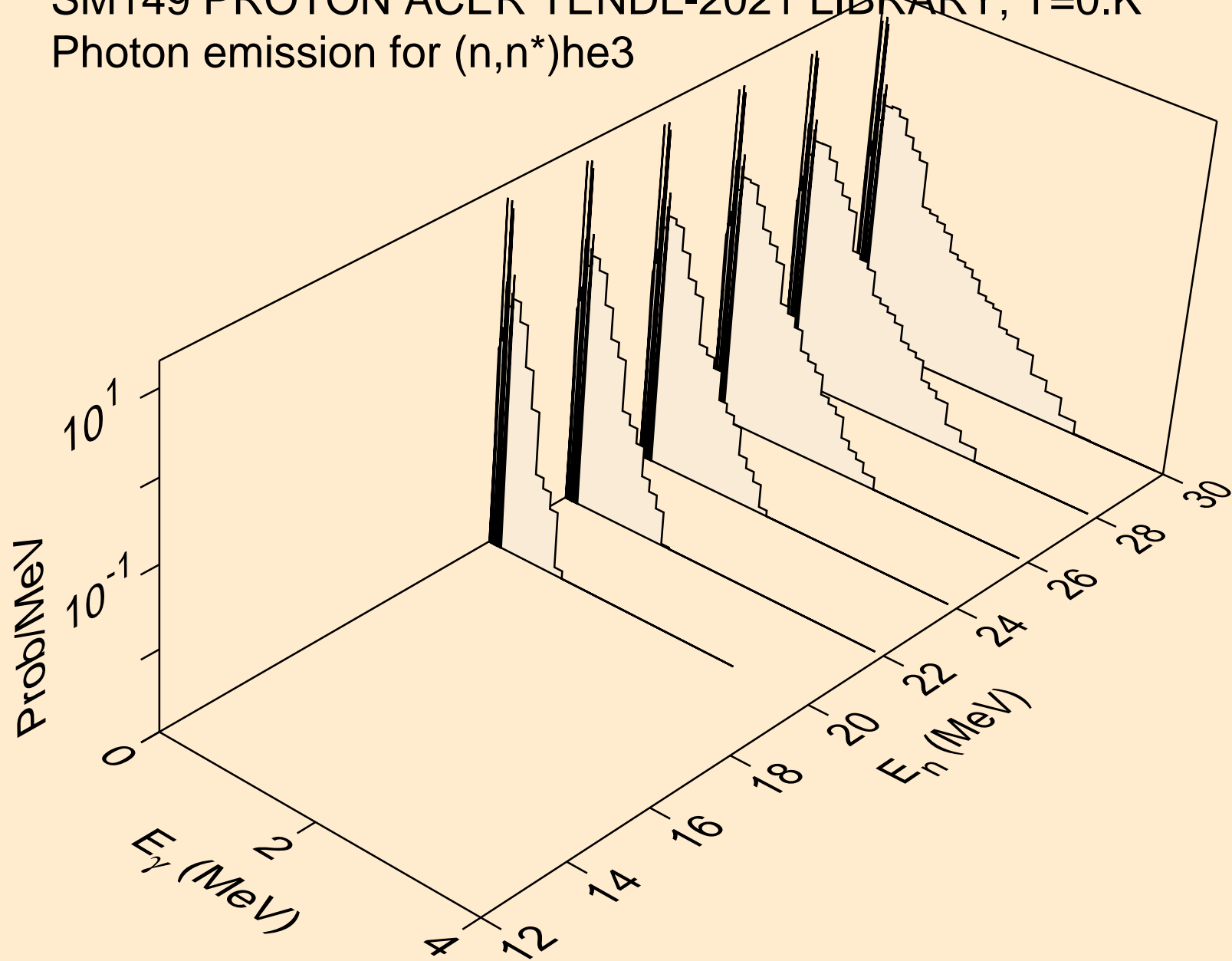


SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

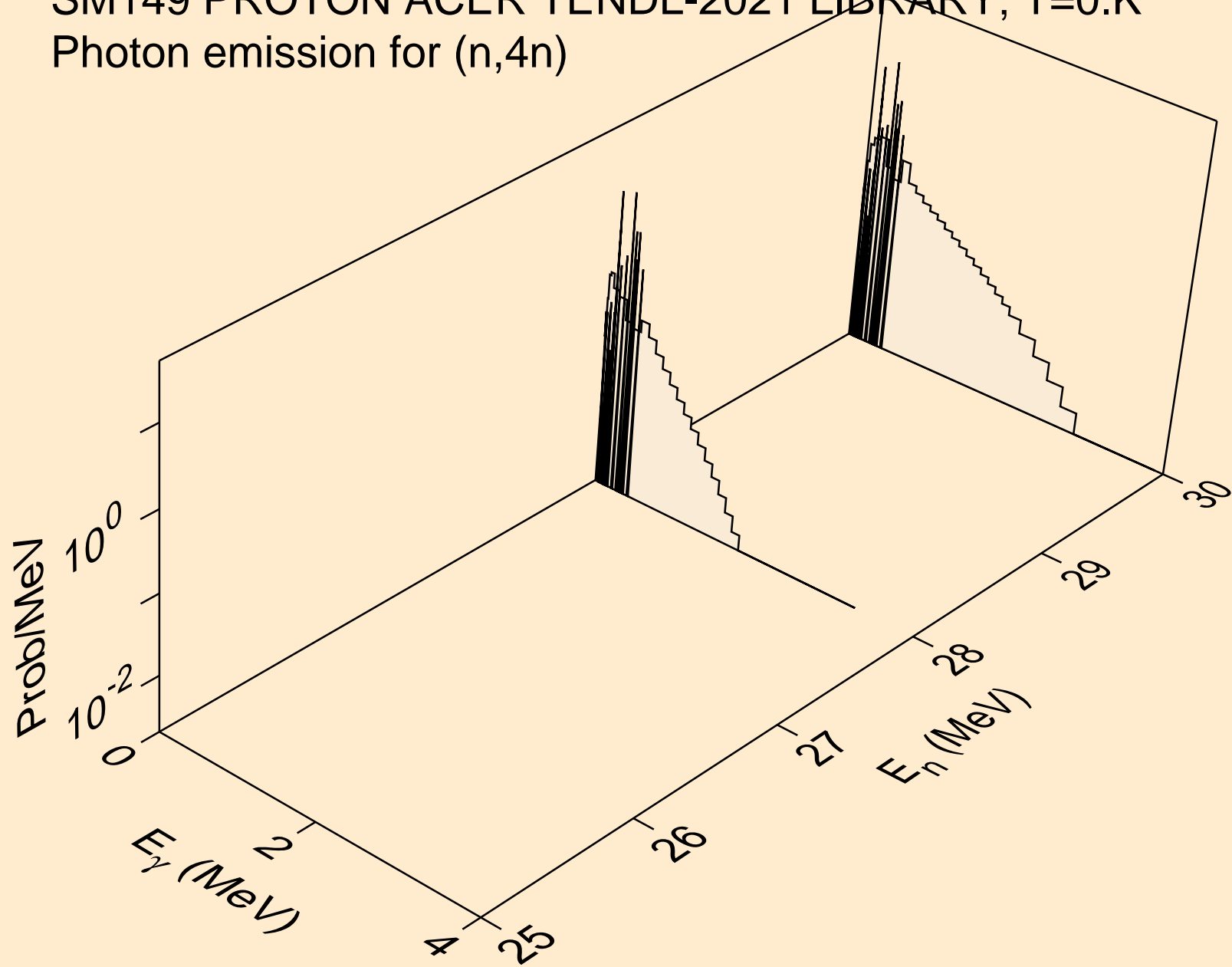




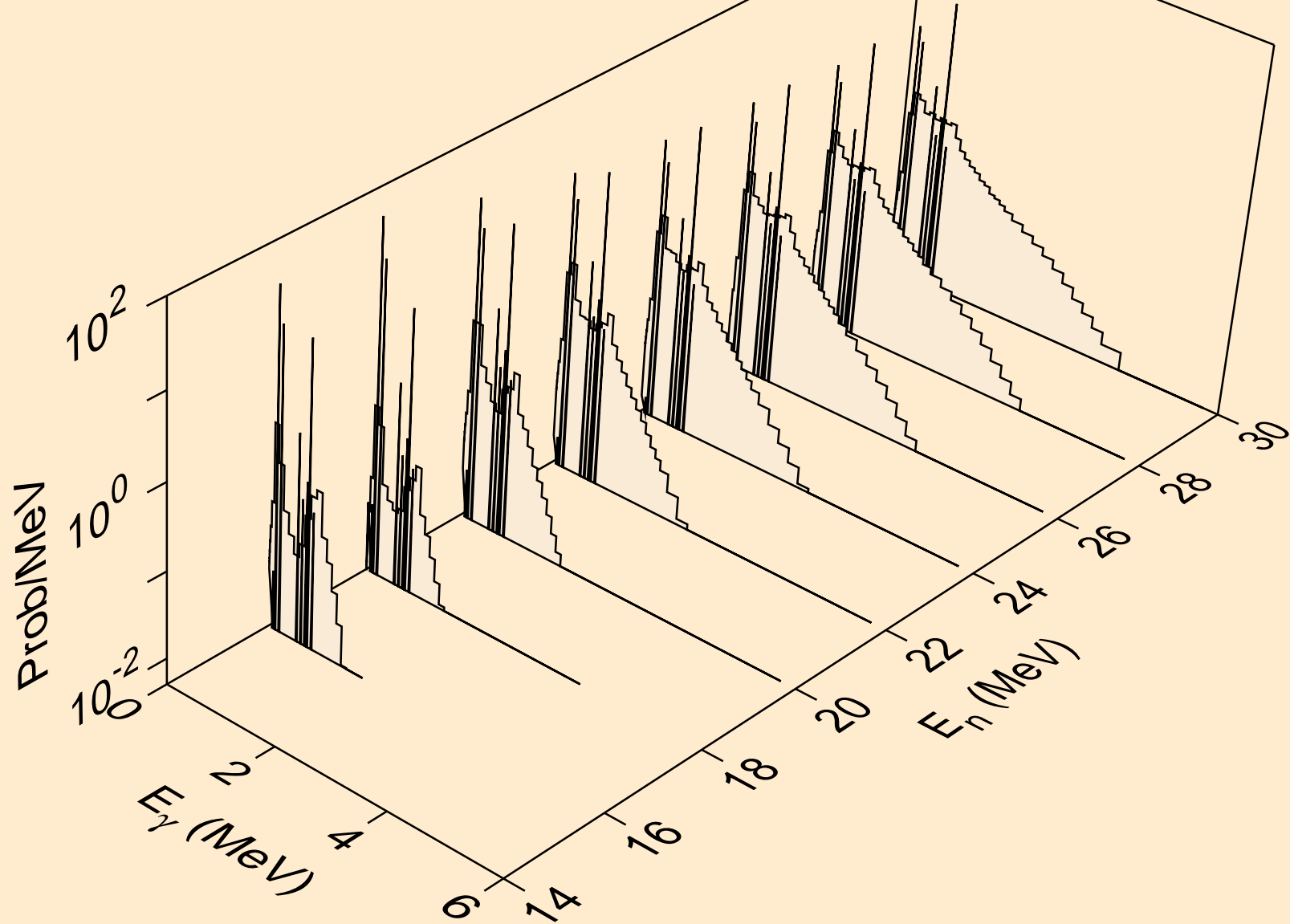
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



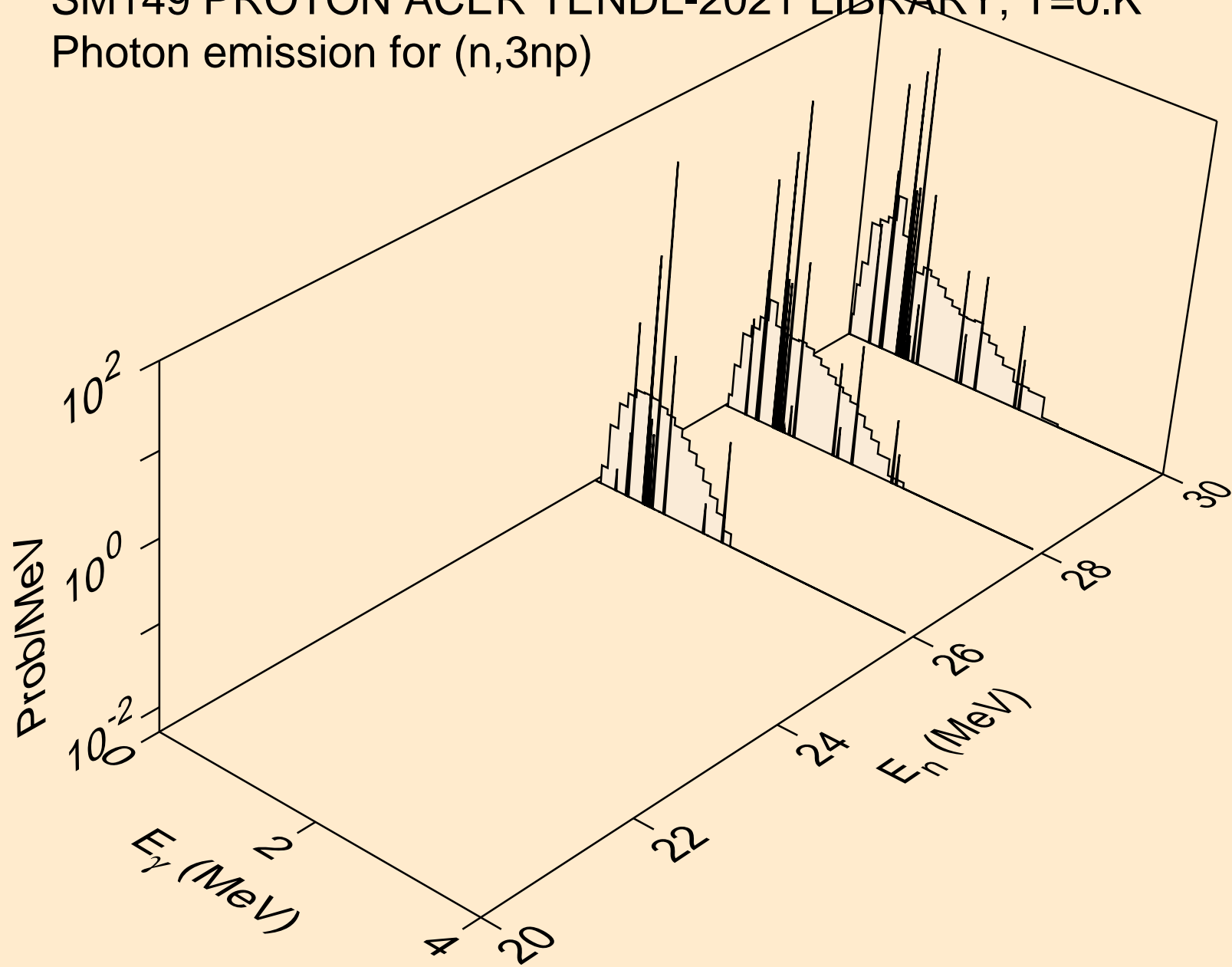
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,4n)



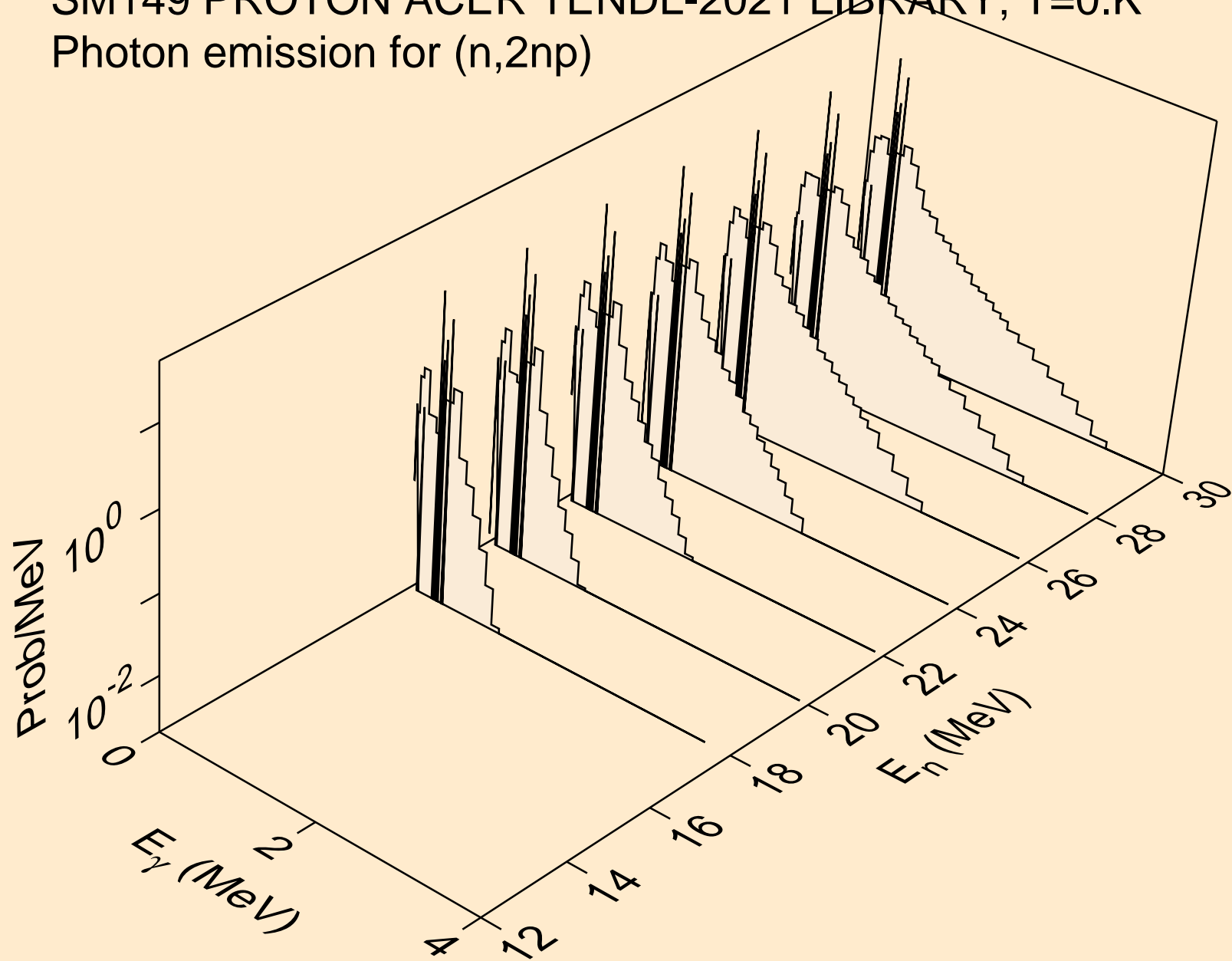
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Photon emission for (n,2np)



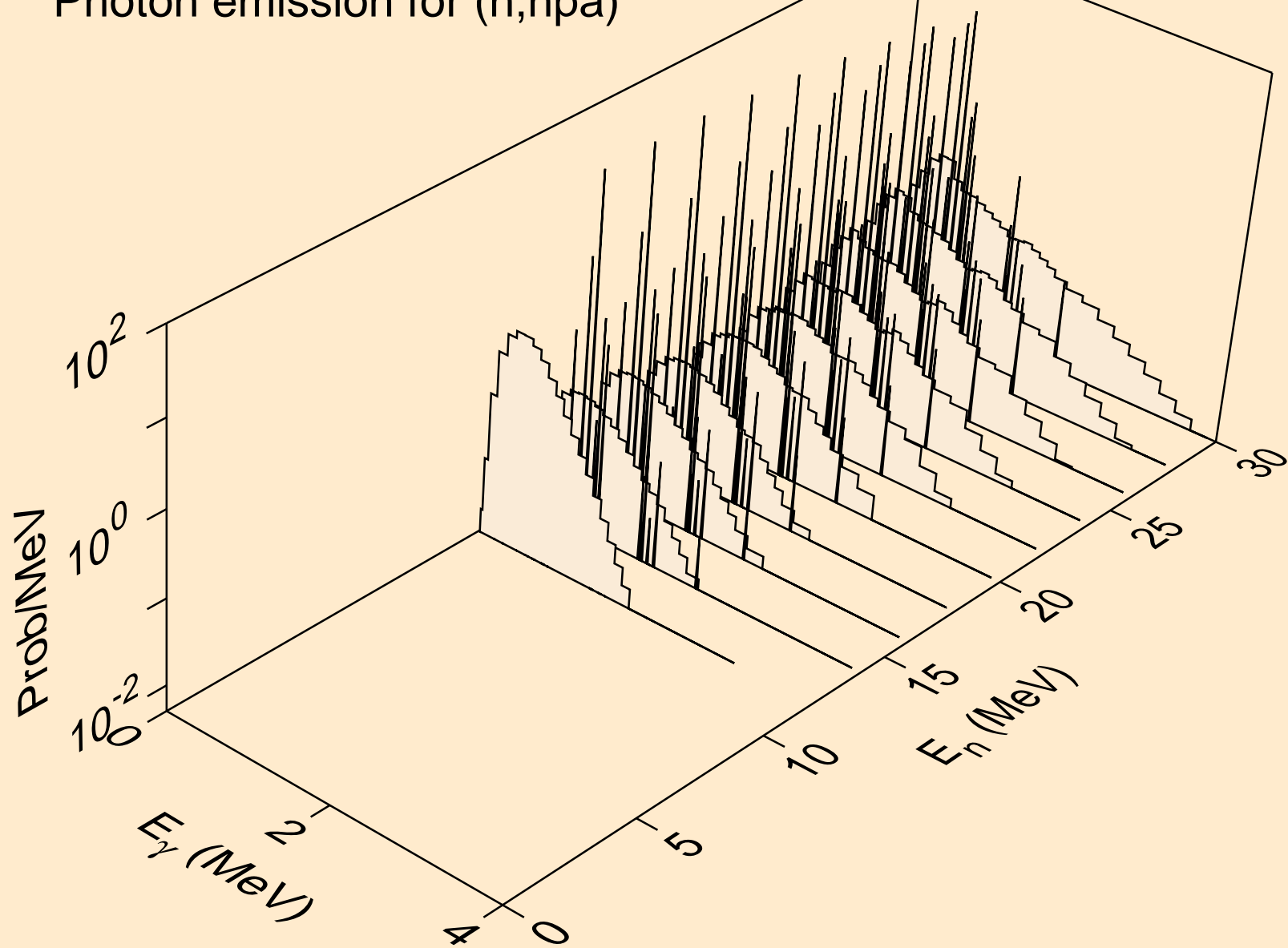
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Photon emission for (n,3np)



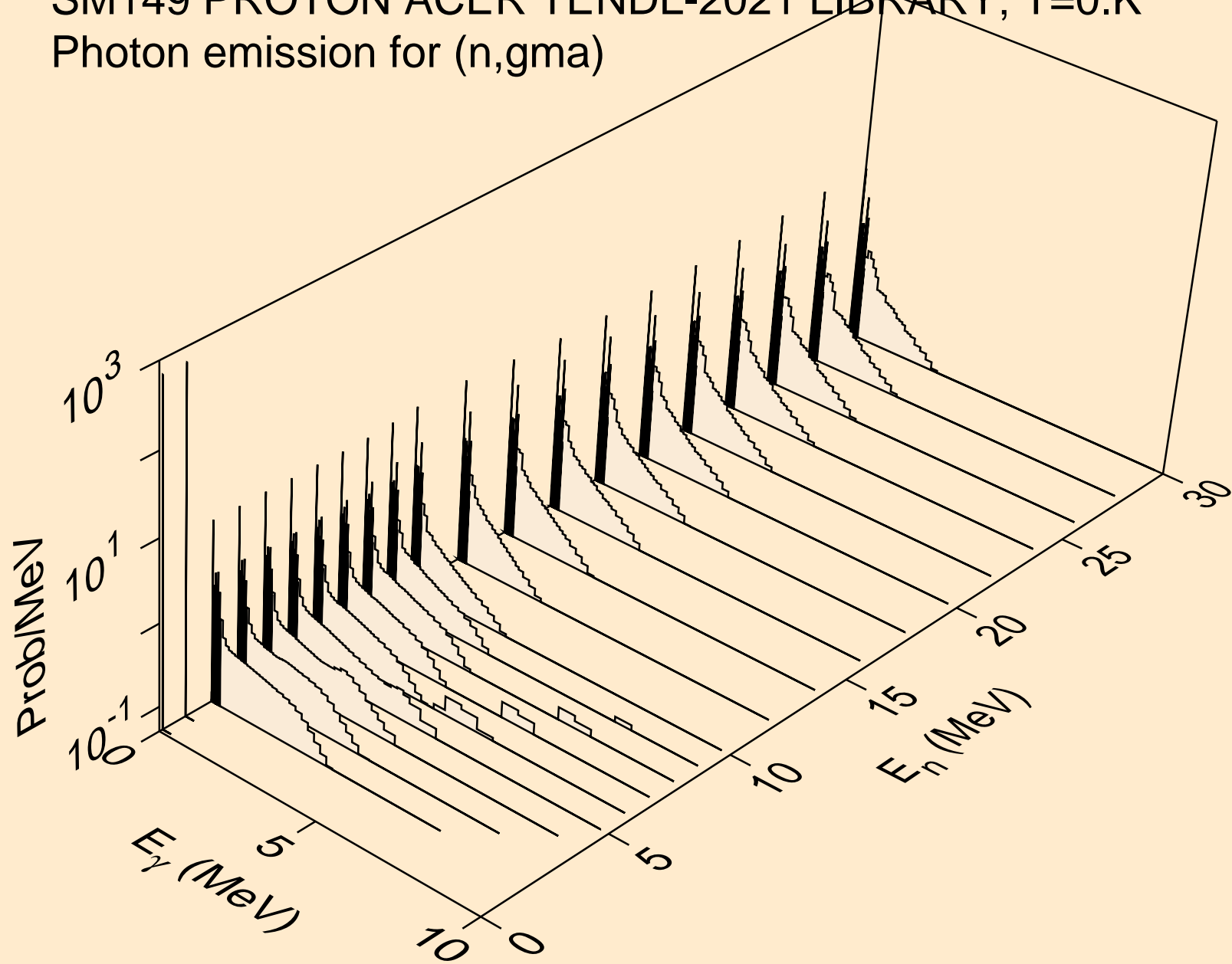
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)



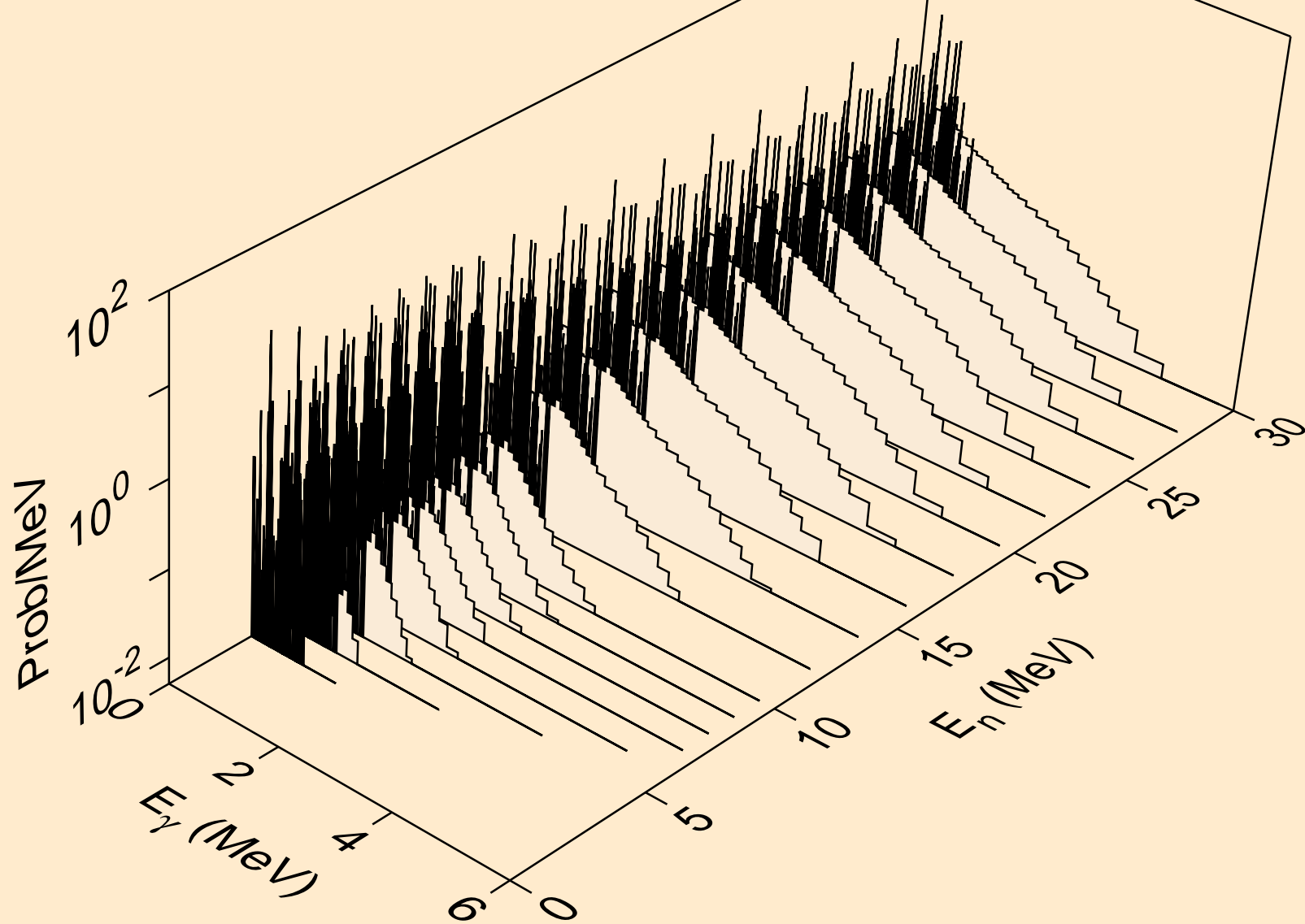
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,npa)



SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,gma)

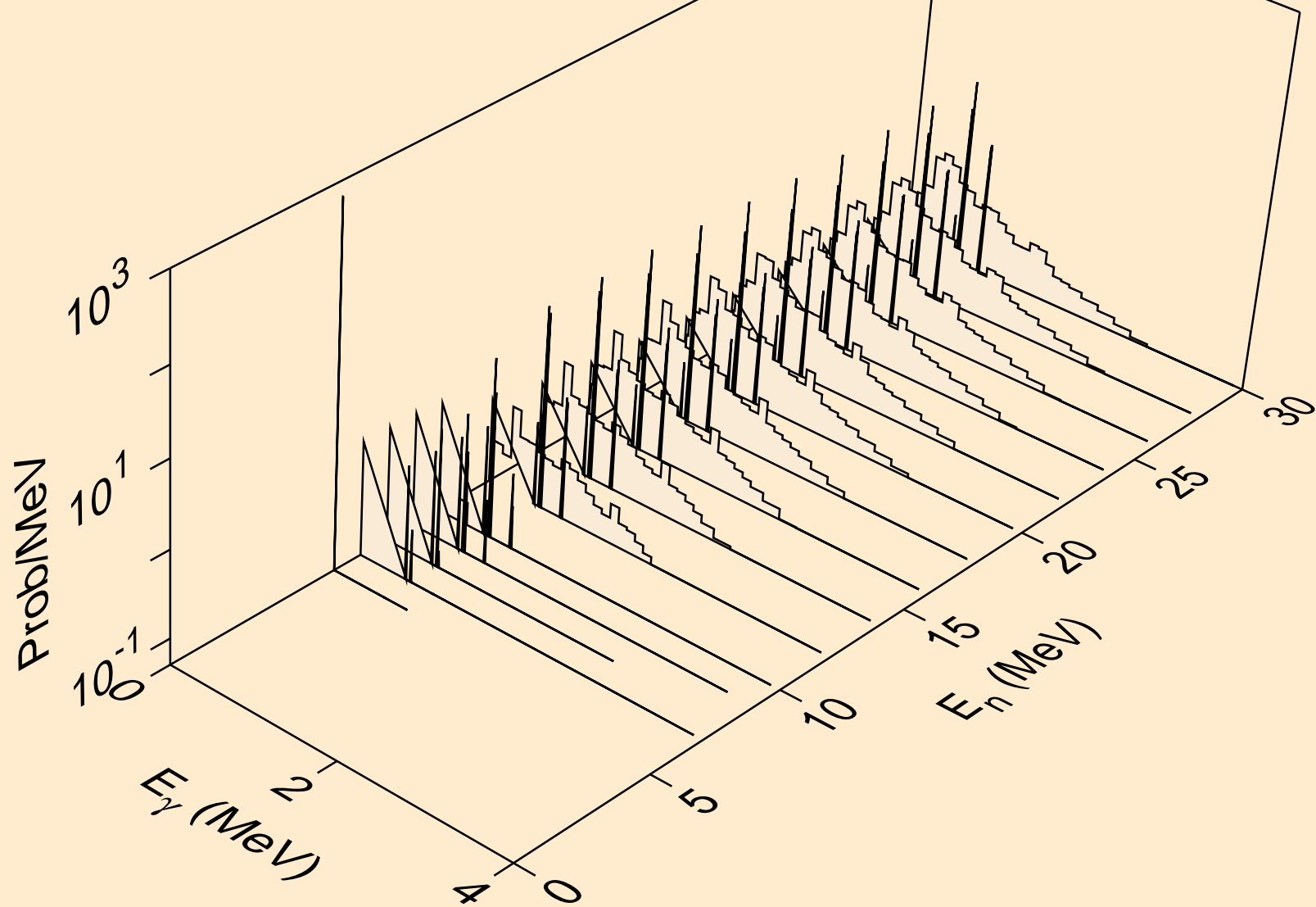


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Photon emission for inelastic

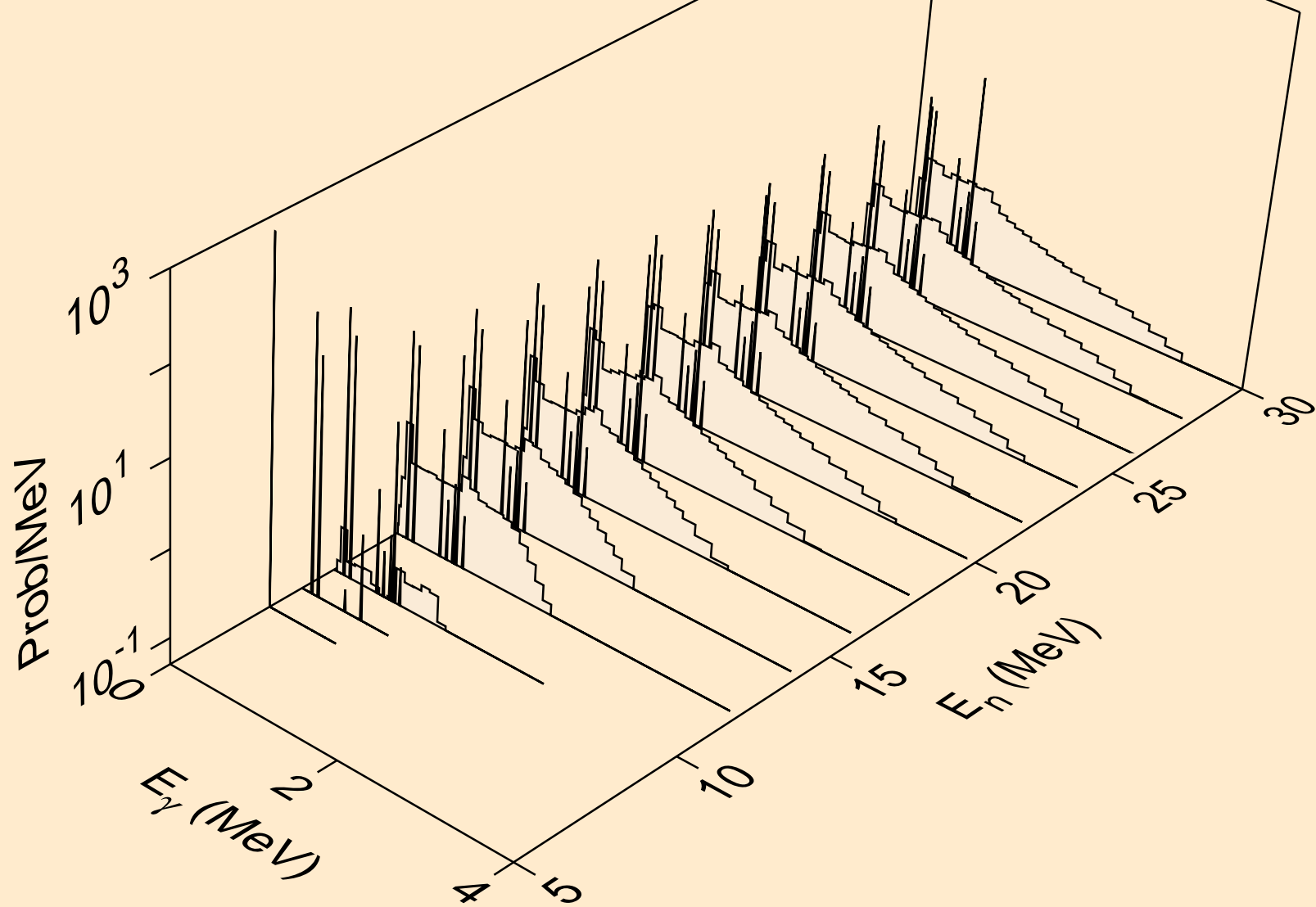




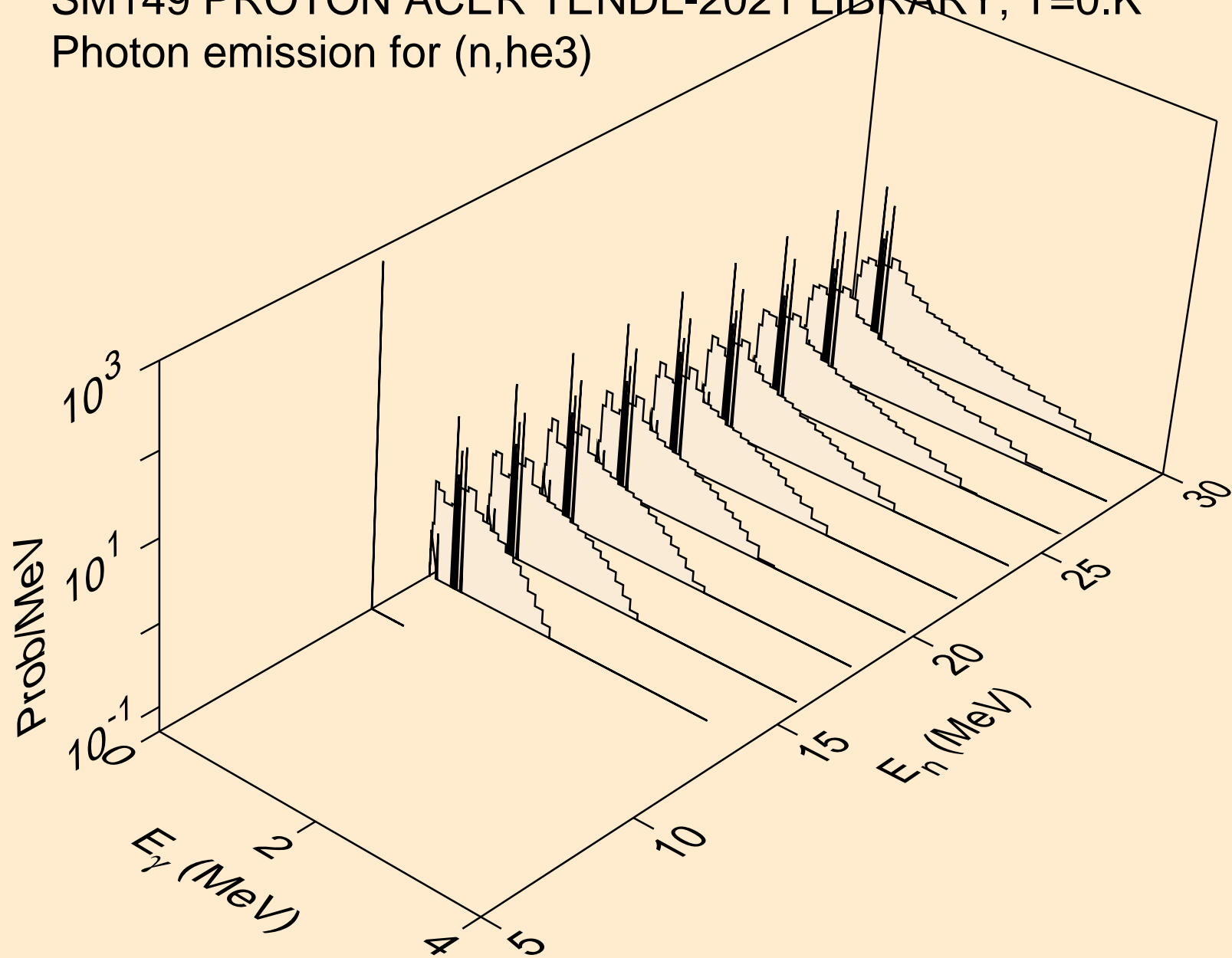
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Photon emission for (n,d)



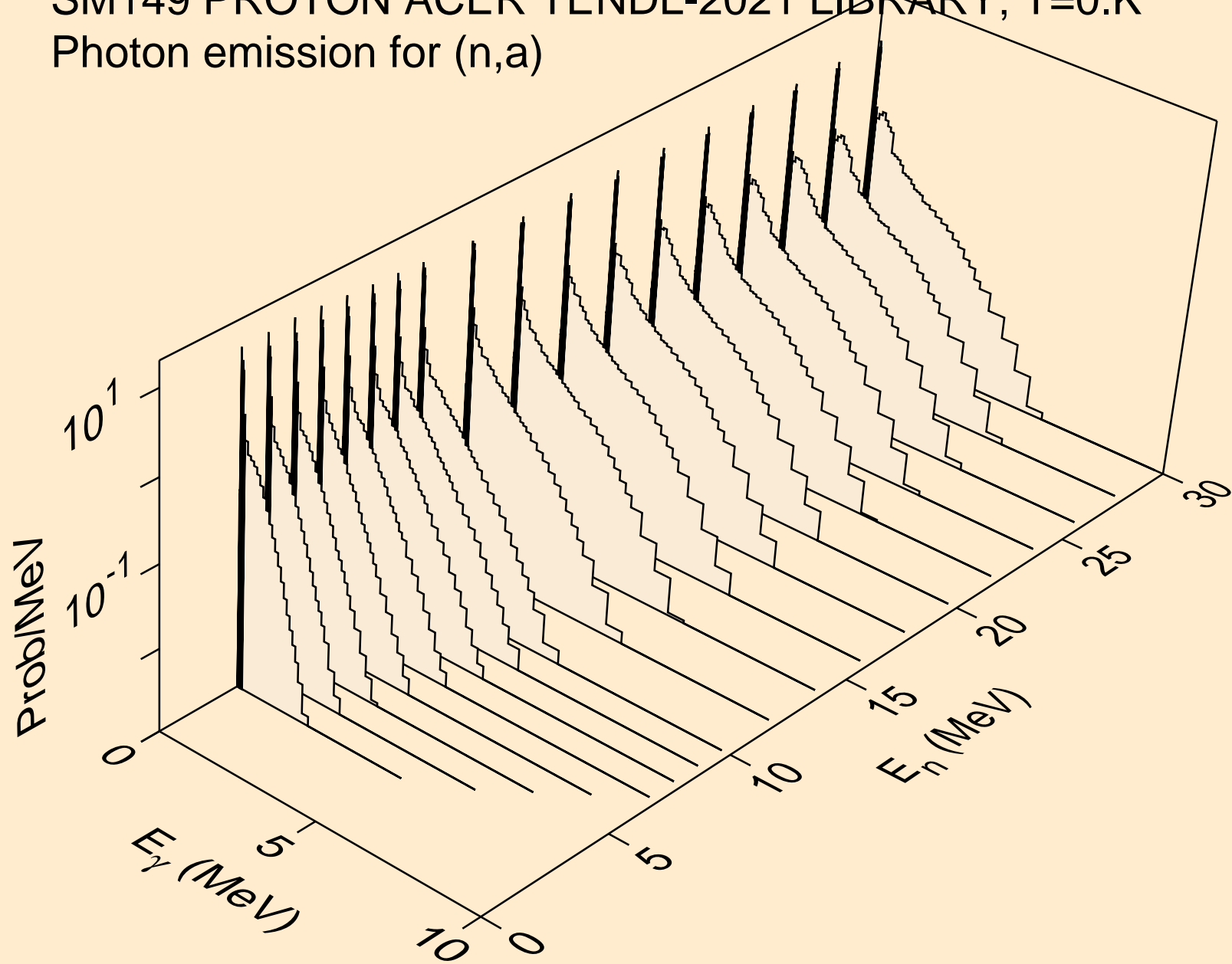
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Photon emission for (n,t)



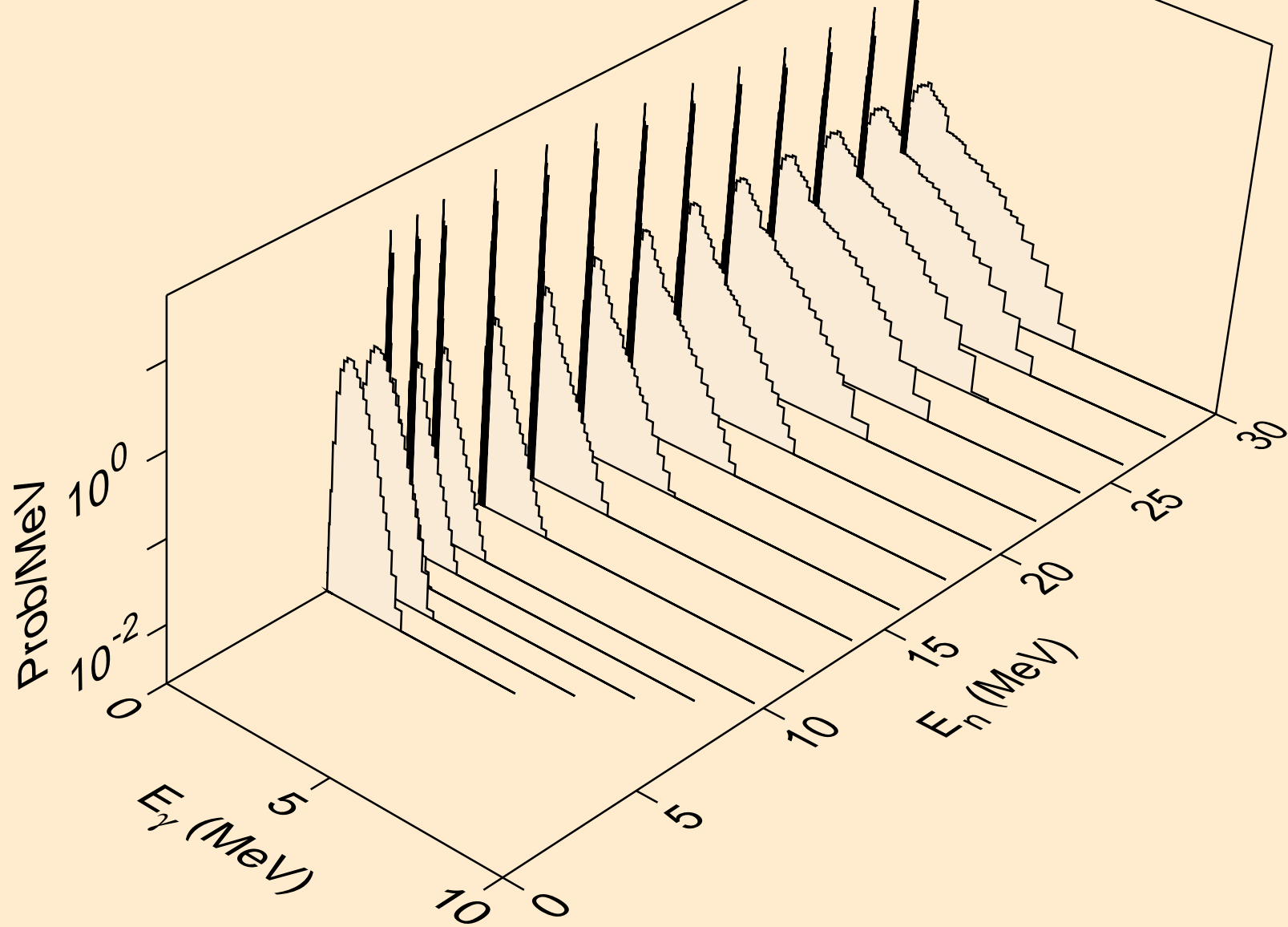
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Photon emission for (n,he3)



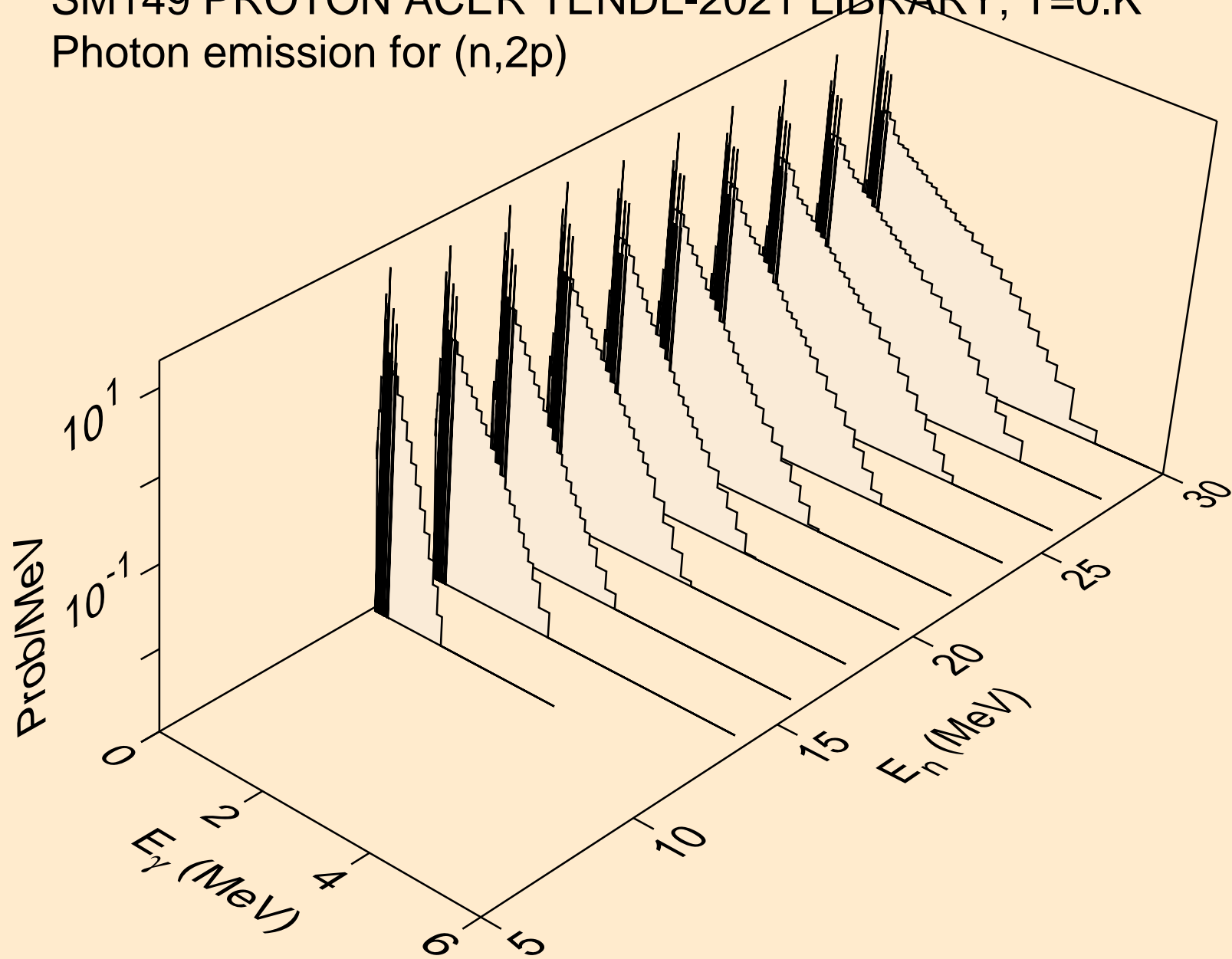
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Photon emission for (n,a)



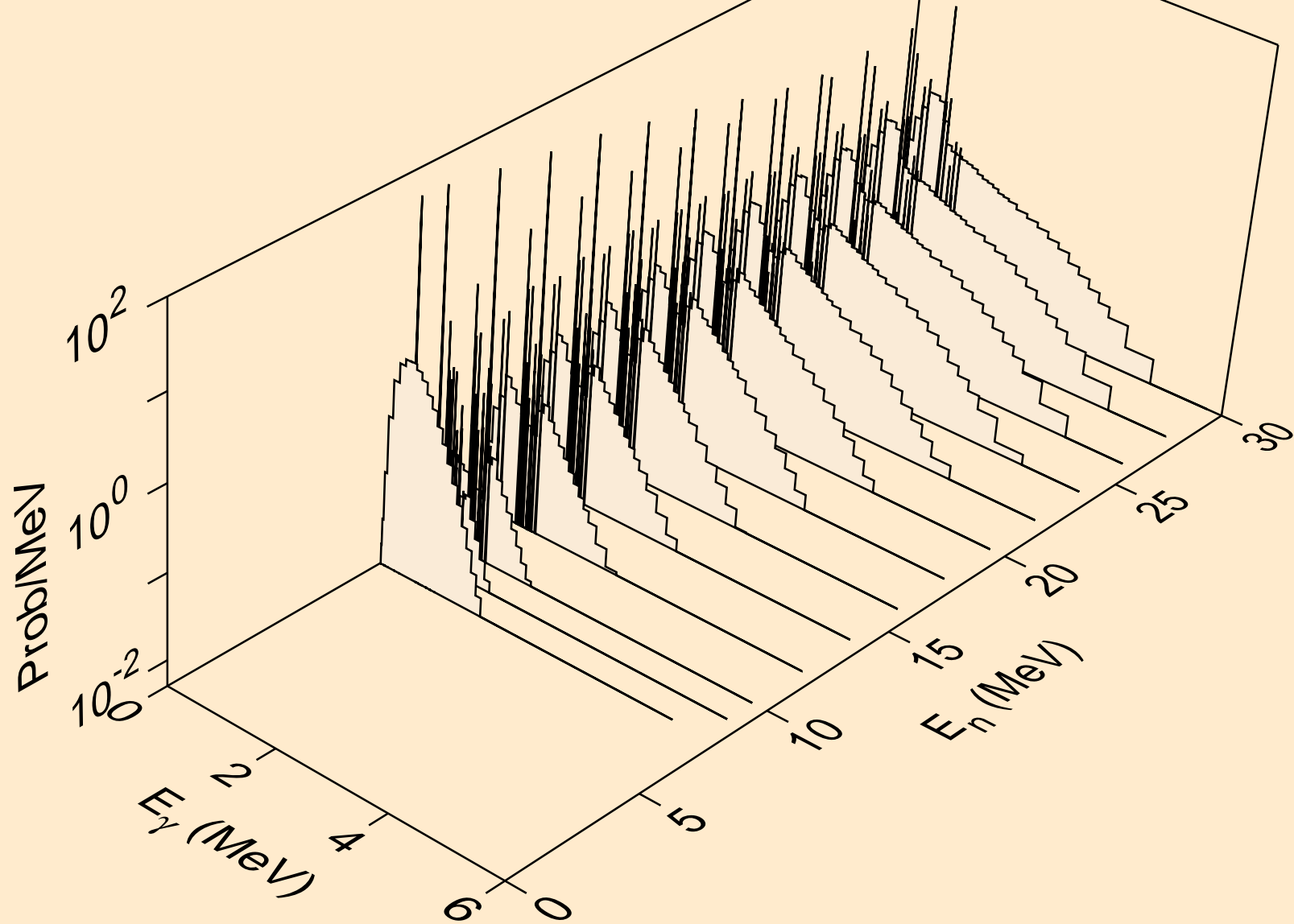
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Photon emission for (n,2a)



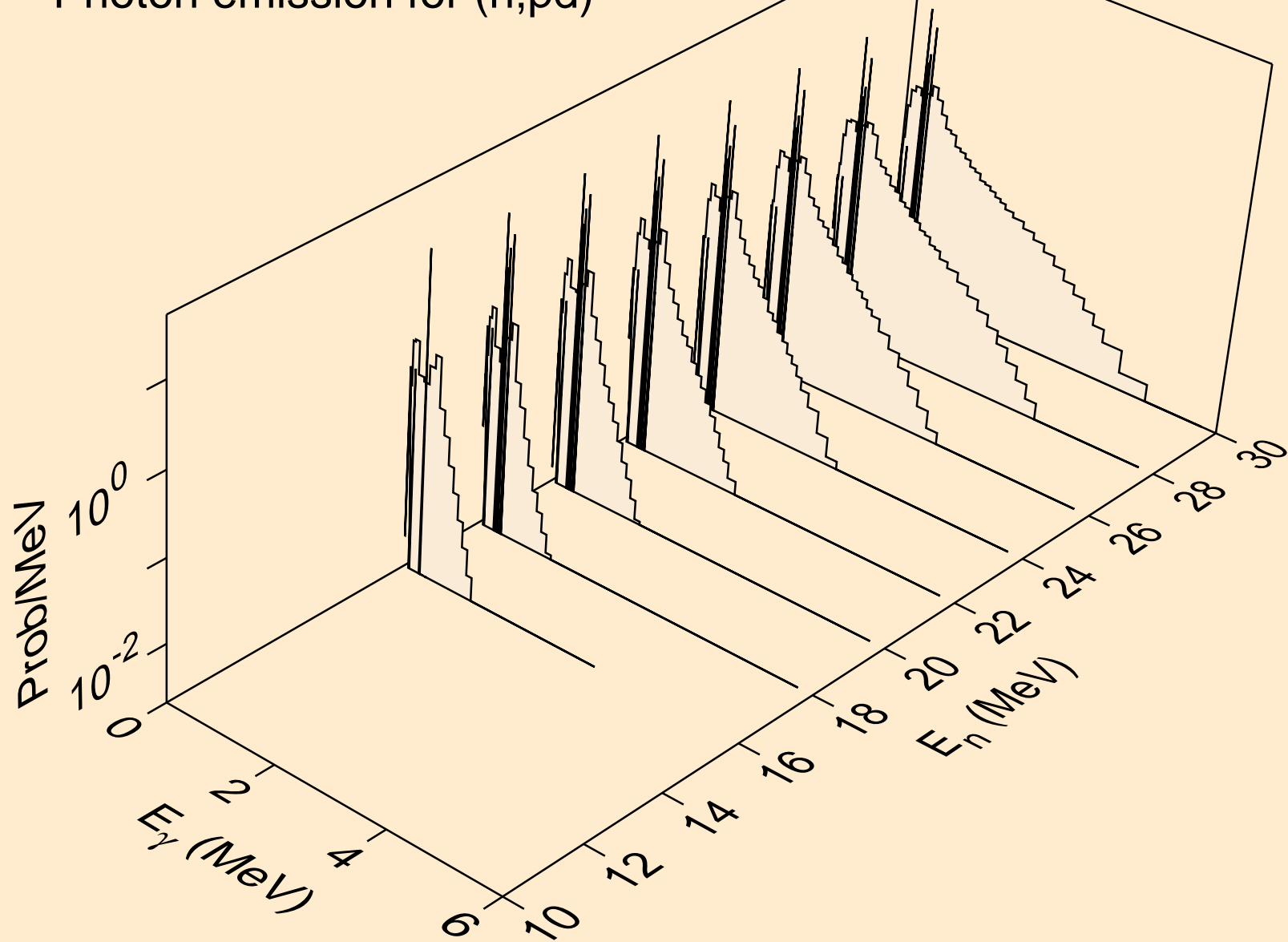
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)



SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pa)

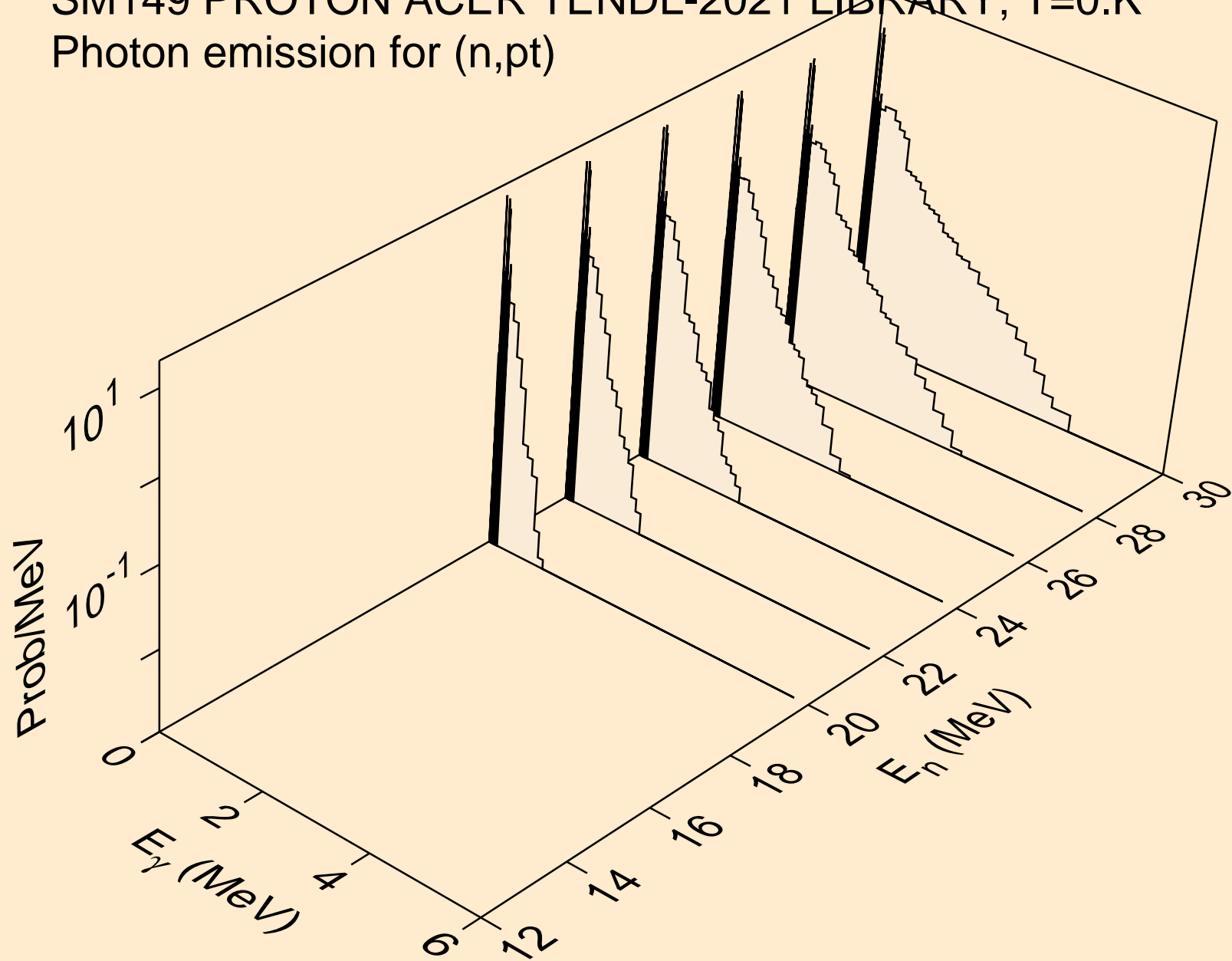


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Photon emission for (n,pd)

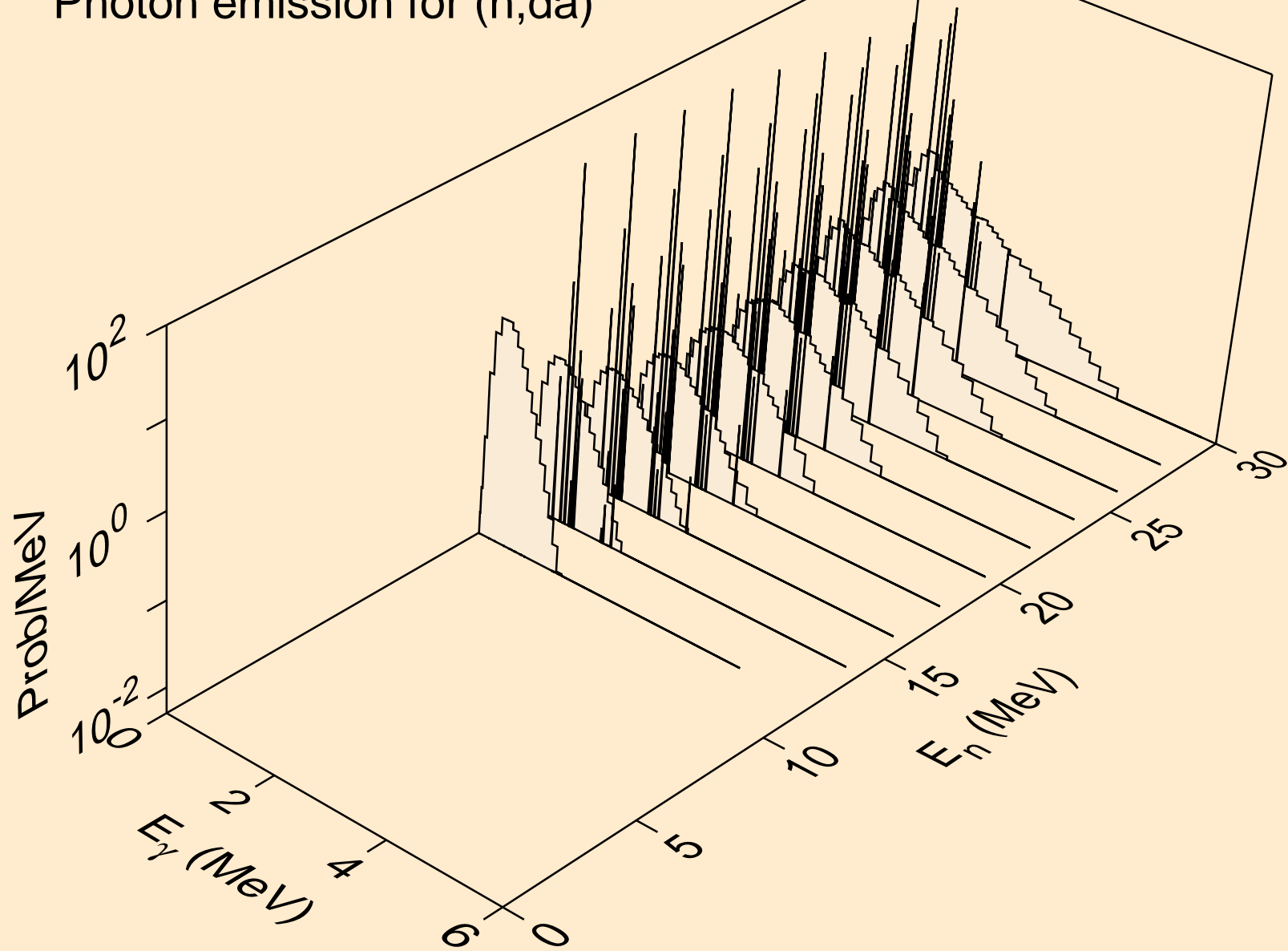




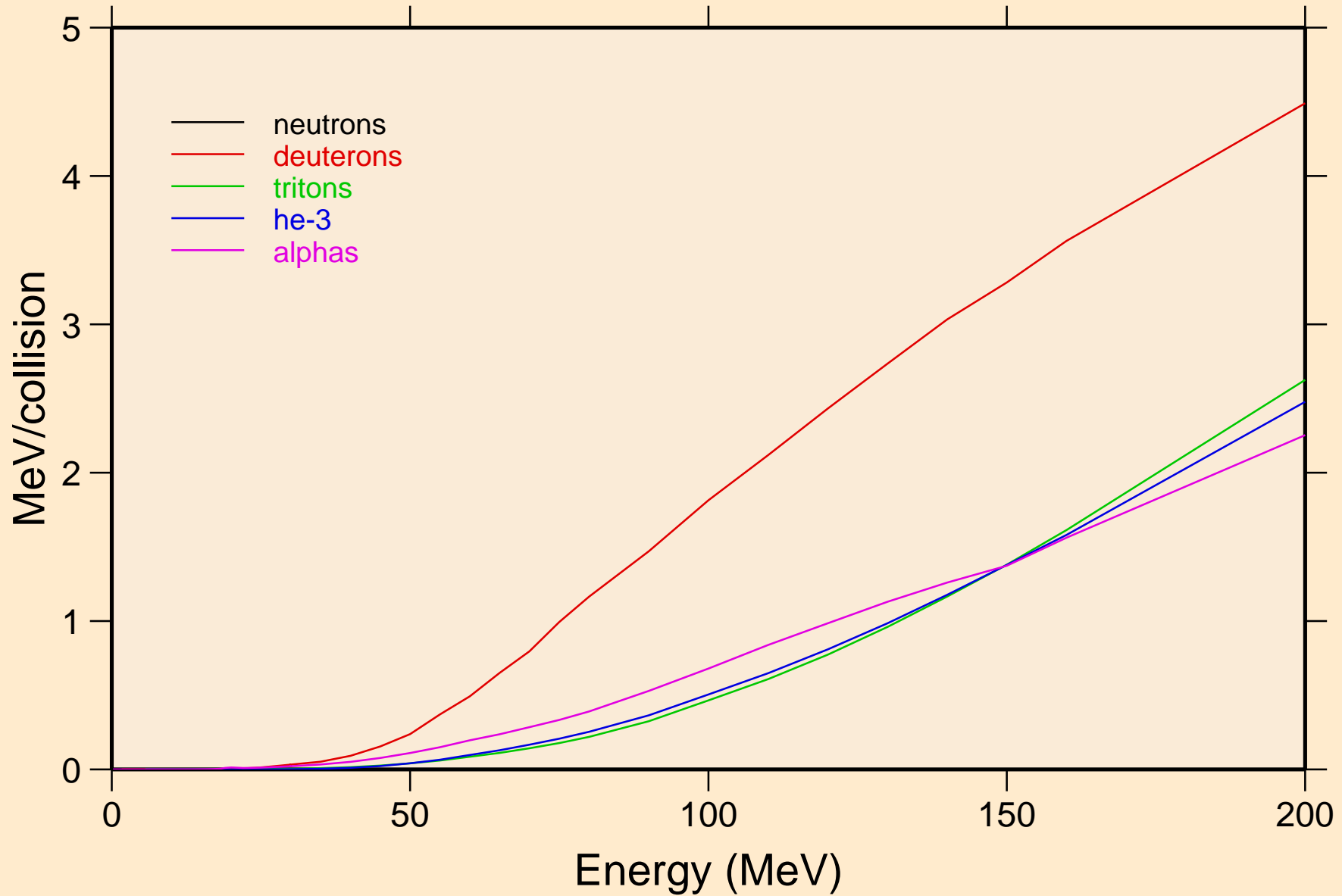
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)



SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,da)

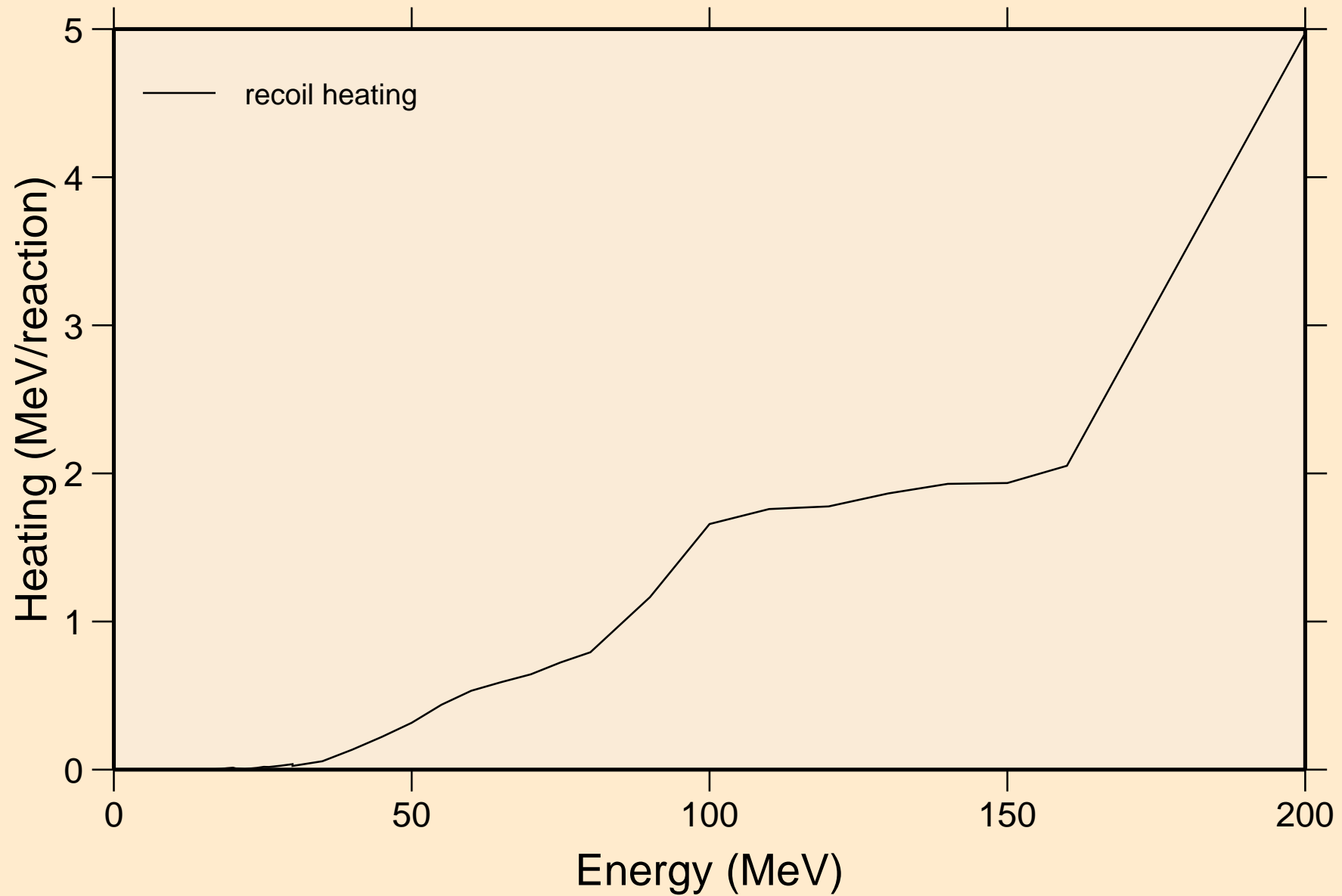


SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Particle heating contributions

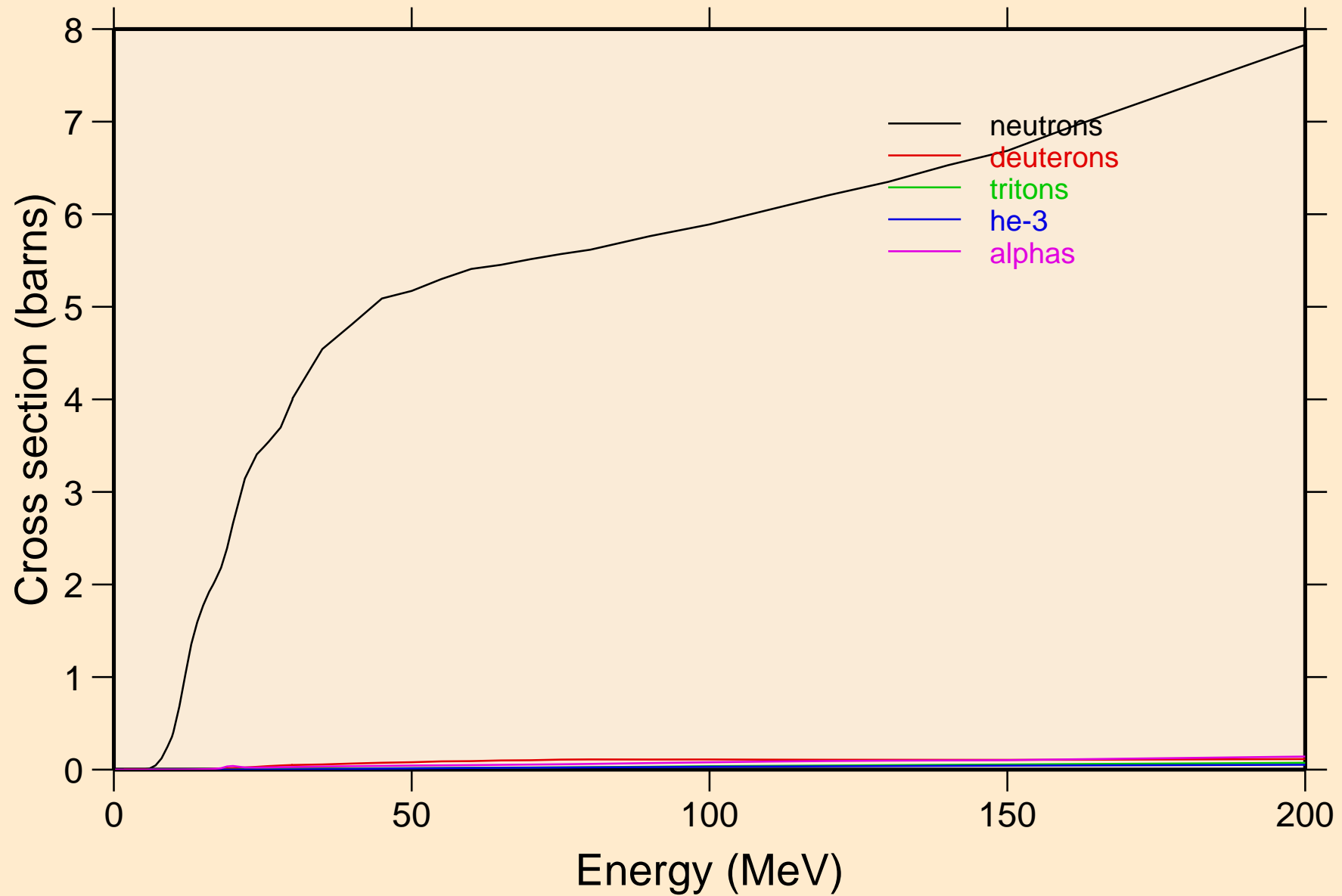


# SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K

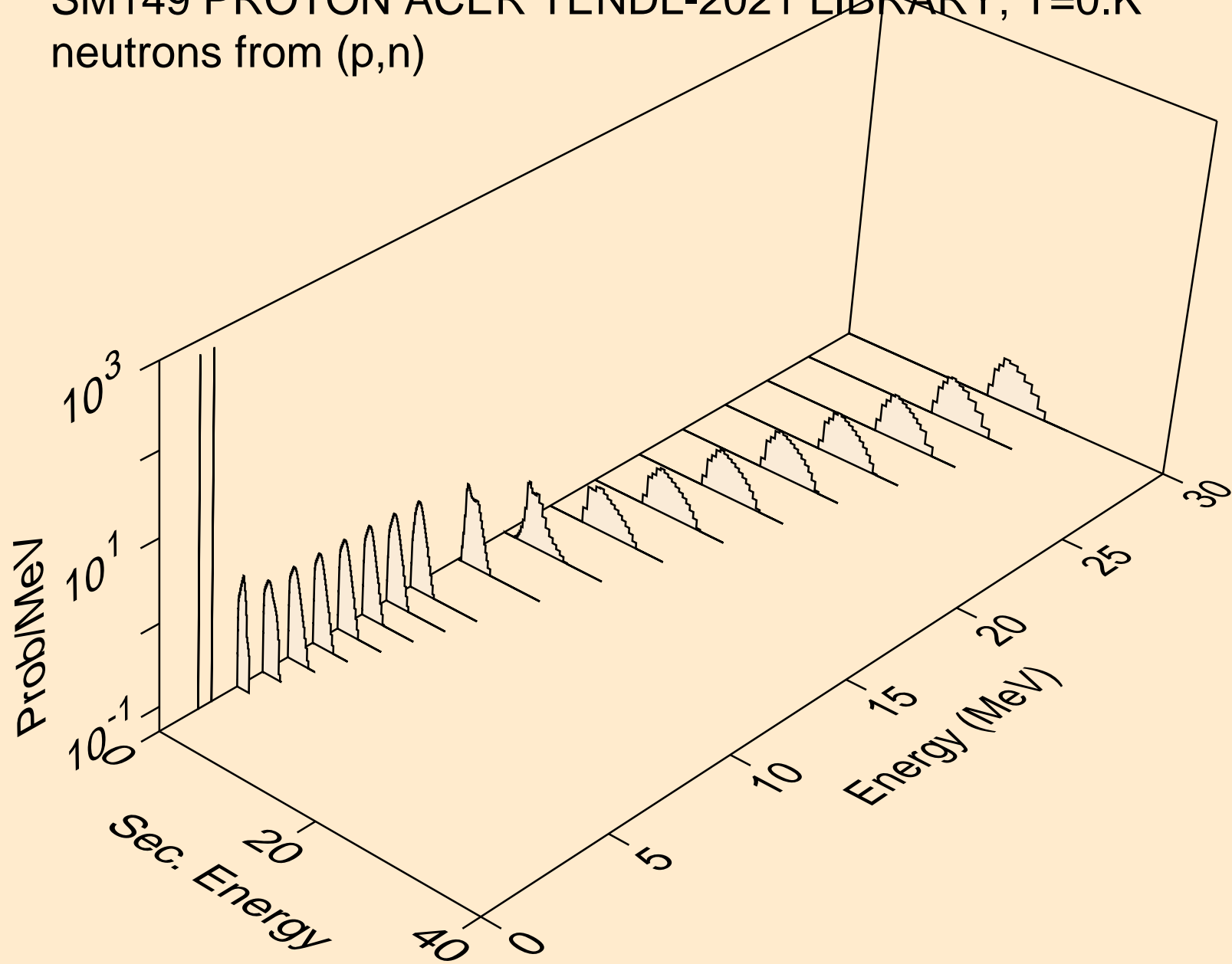
## Recoil Heating



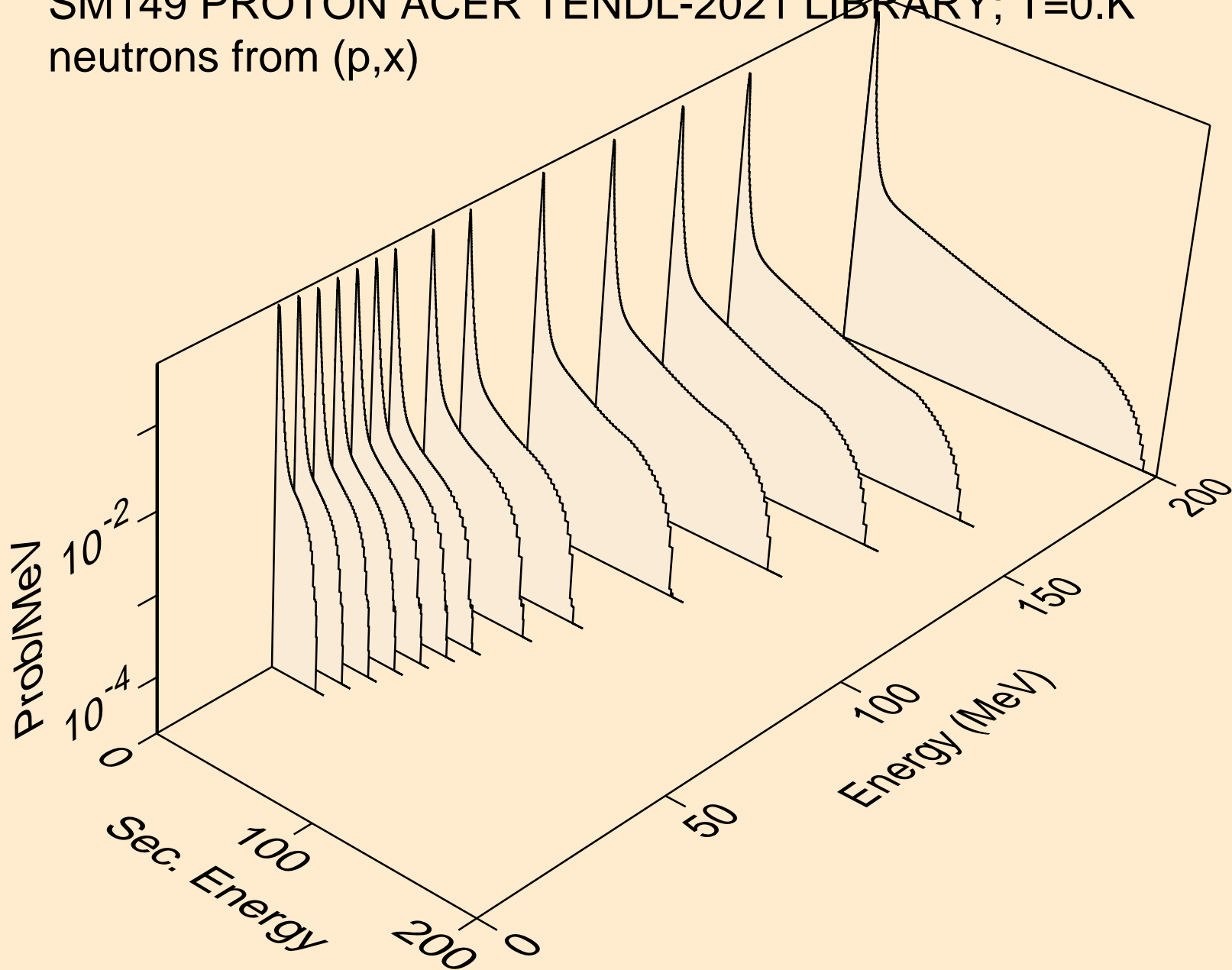
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections



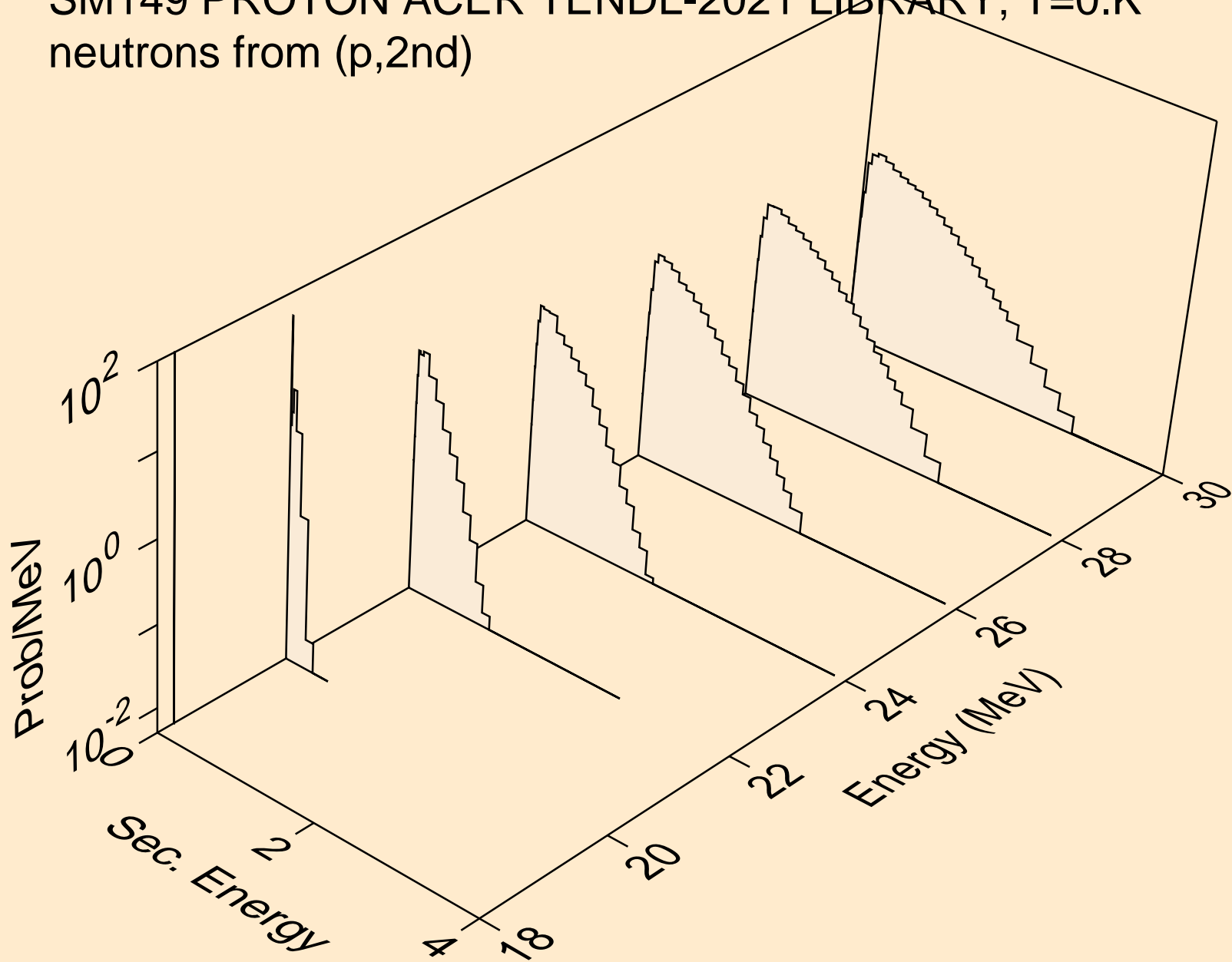
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n)



SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,x)

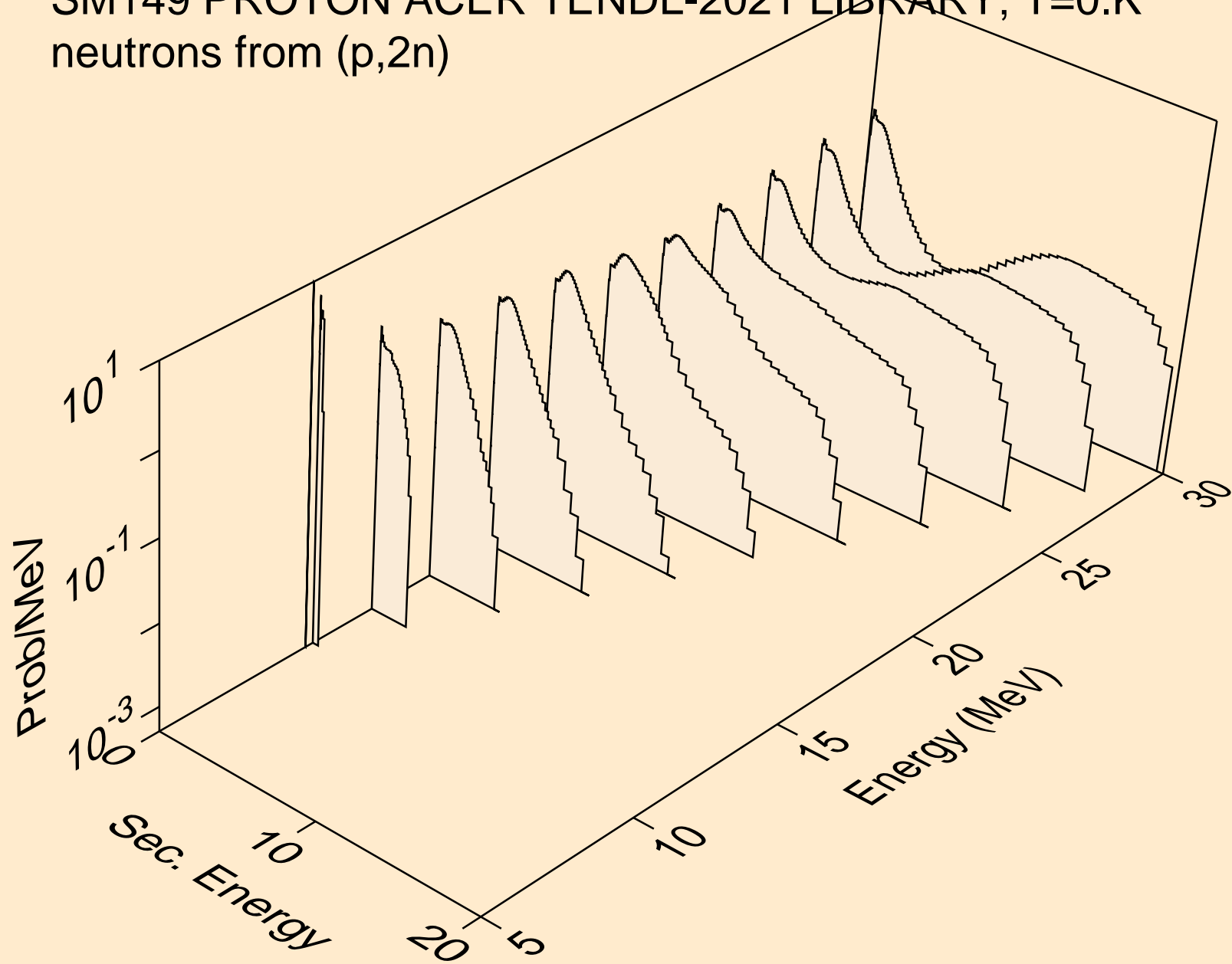


SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2nd)

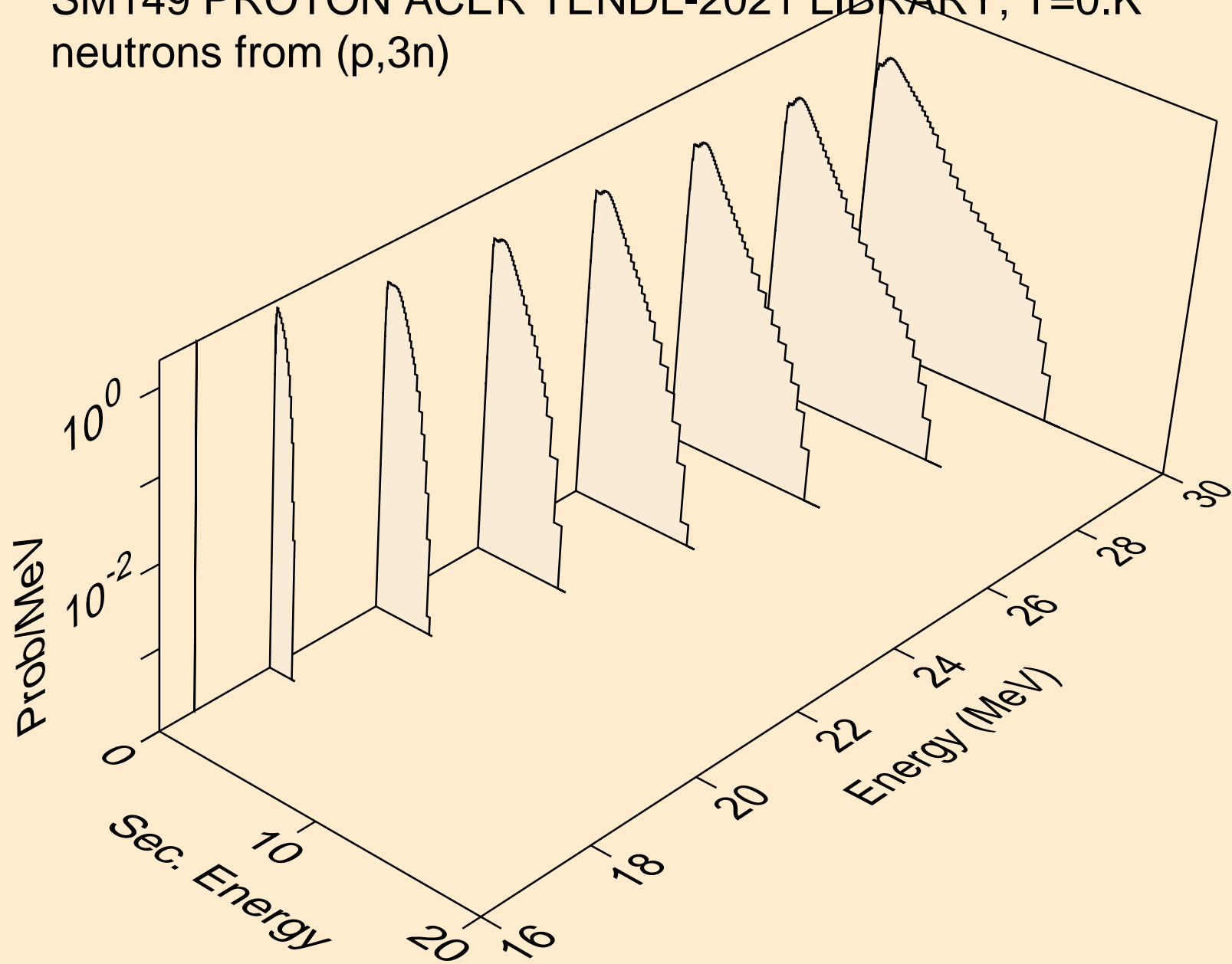




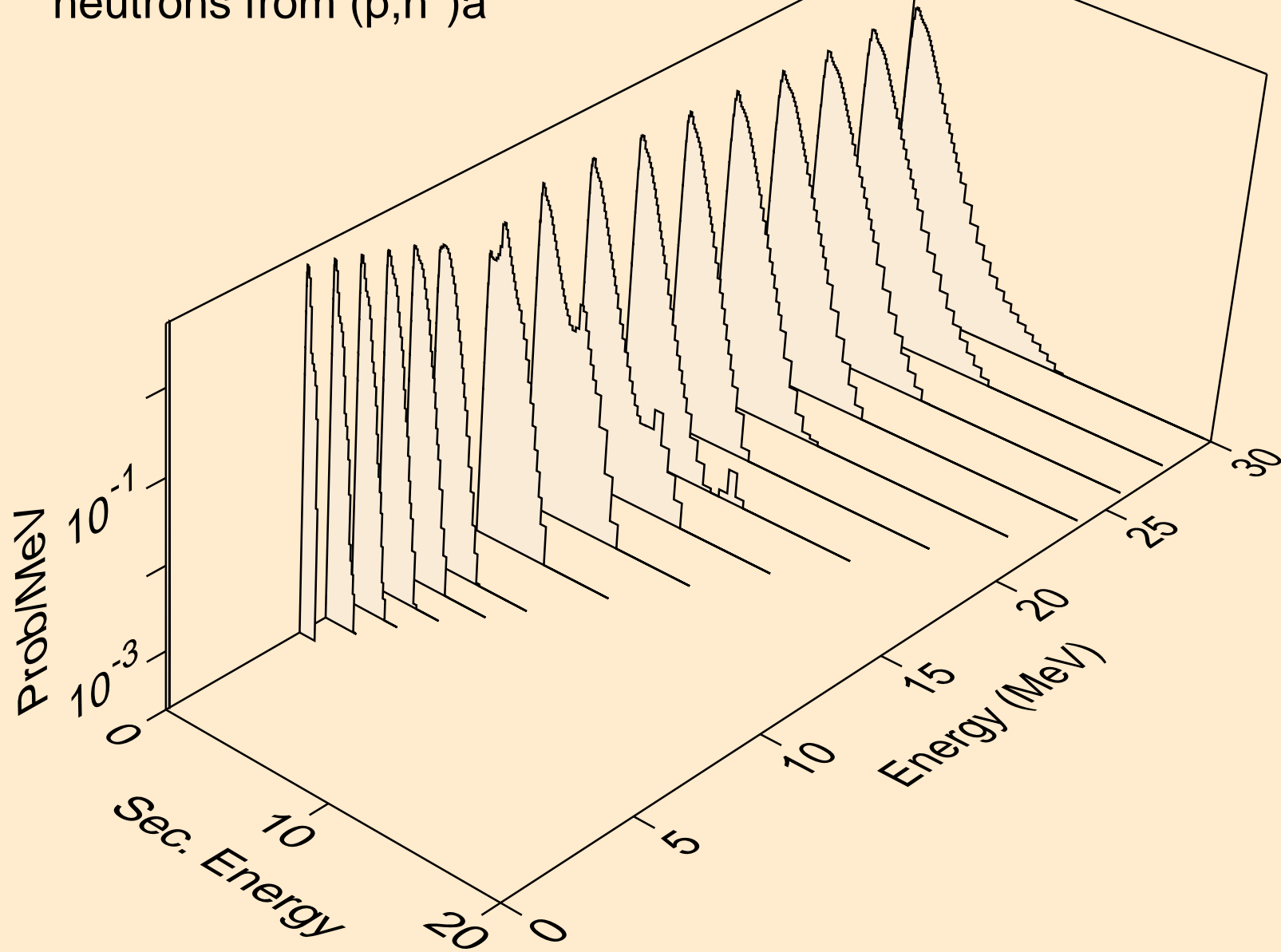
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neutrons from (p,2n)



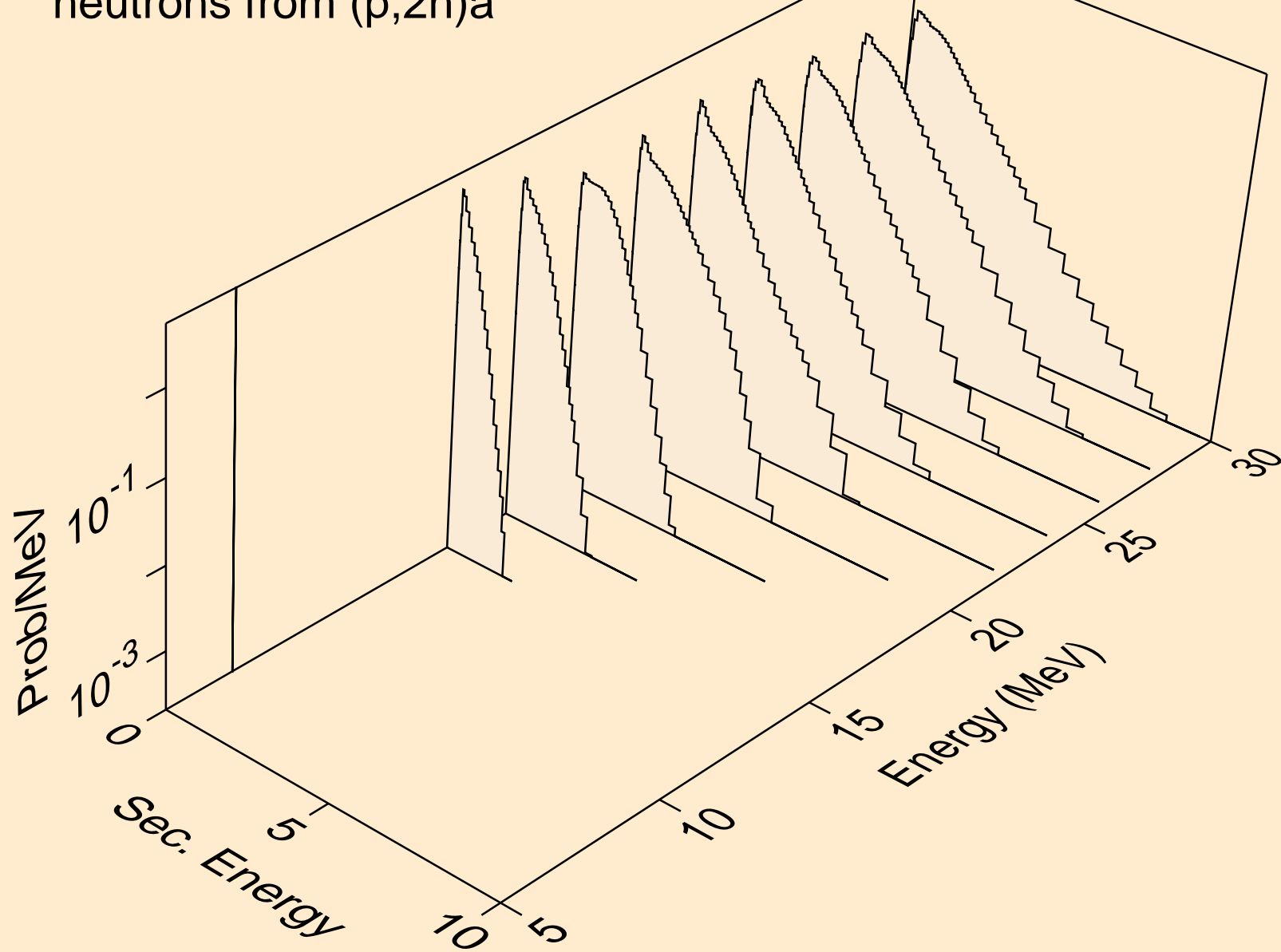
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3n)



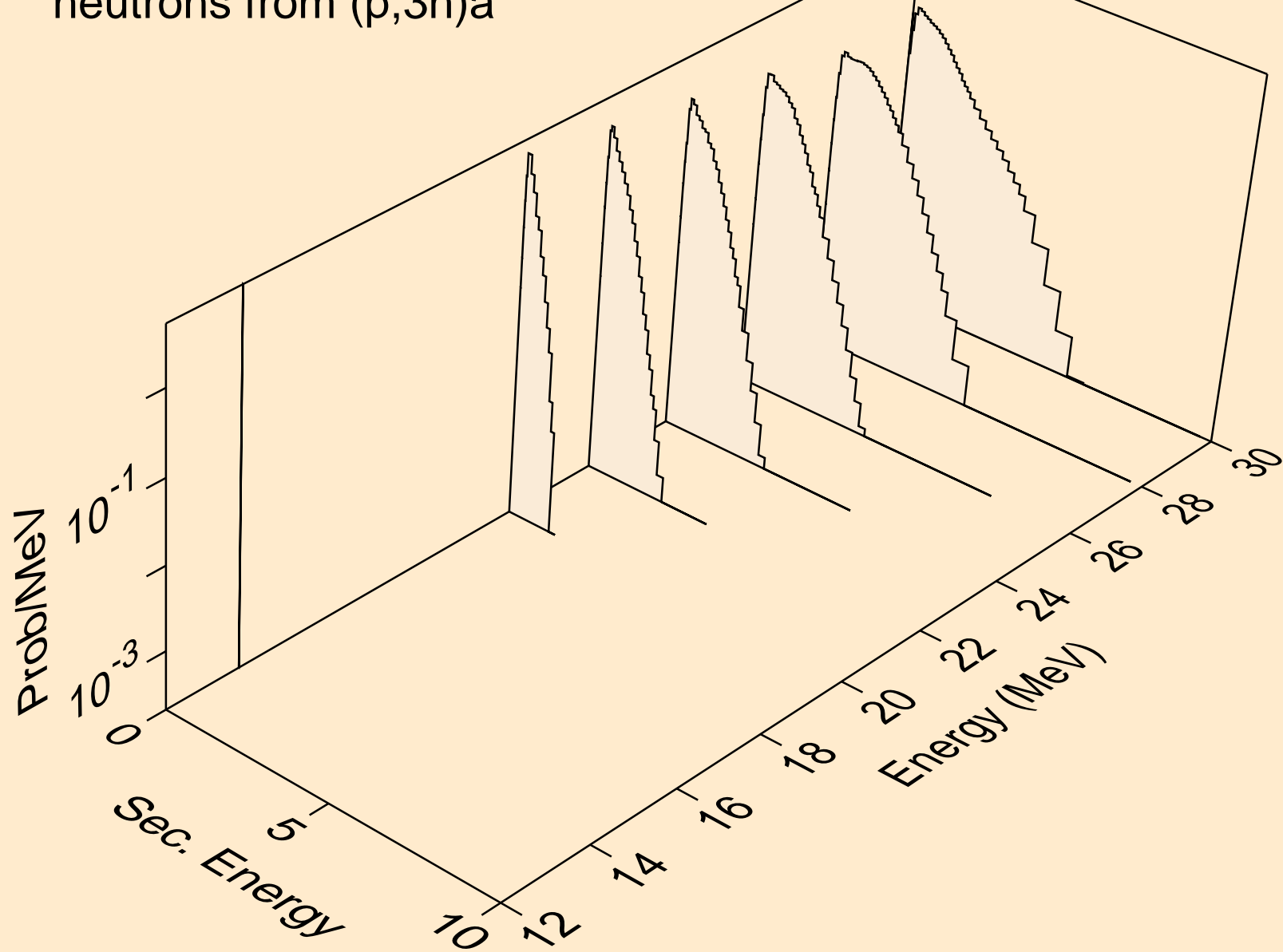
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)a



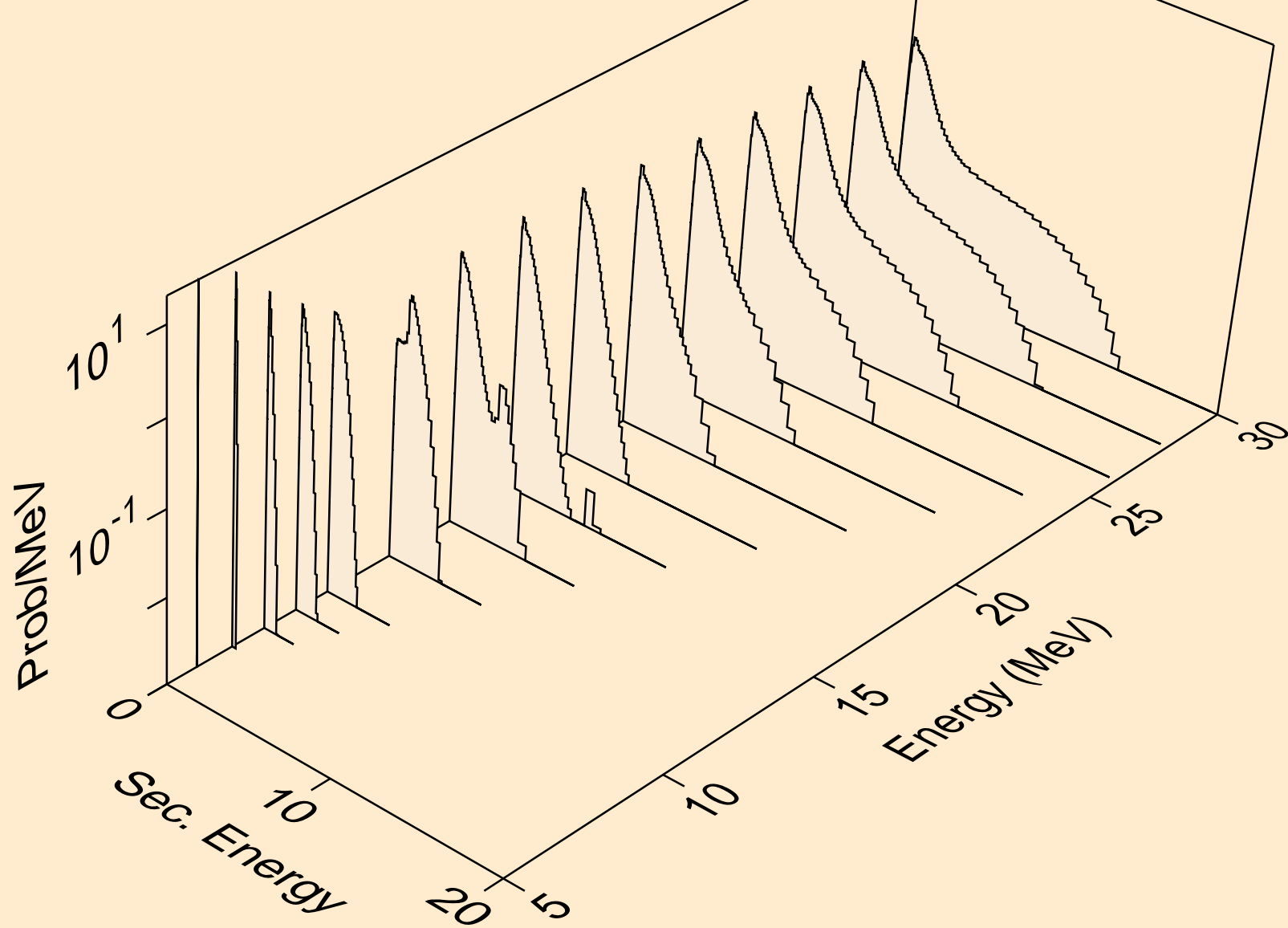
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2n)a



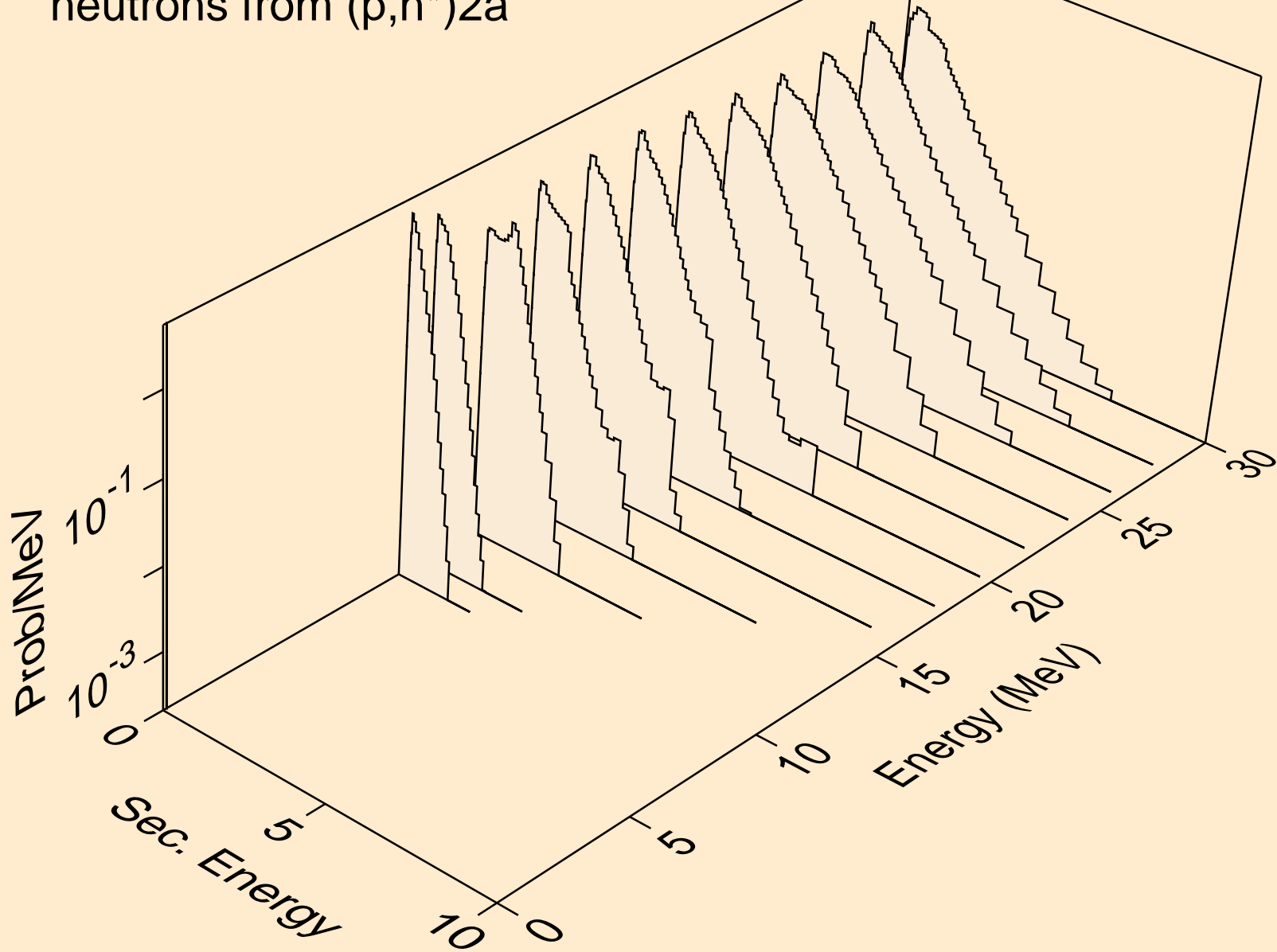
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neutrons from (p,3n)a



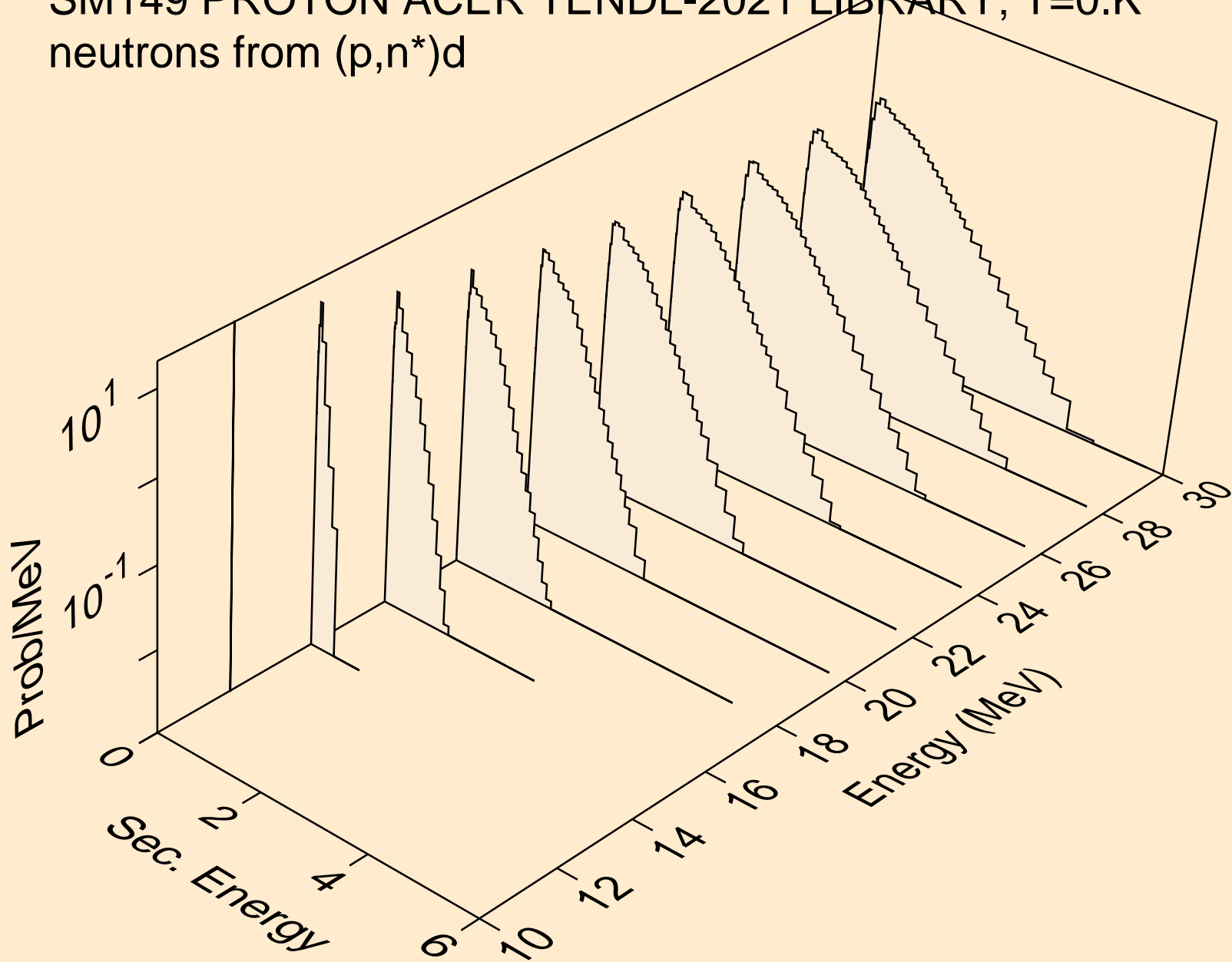
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)p



SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)2a

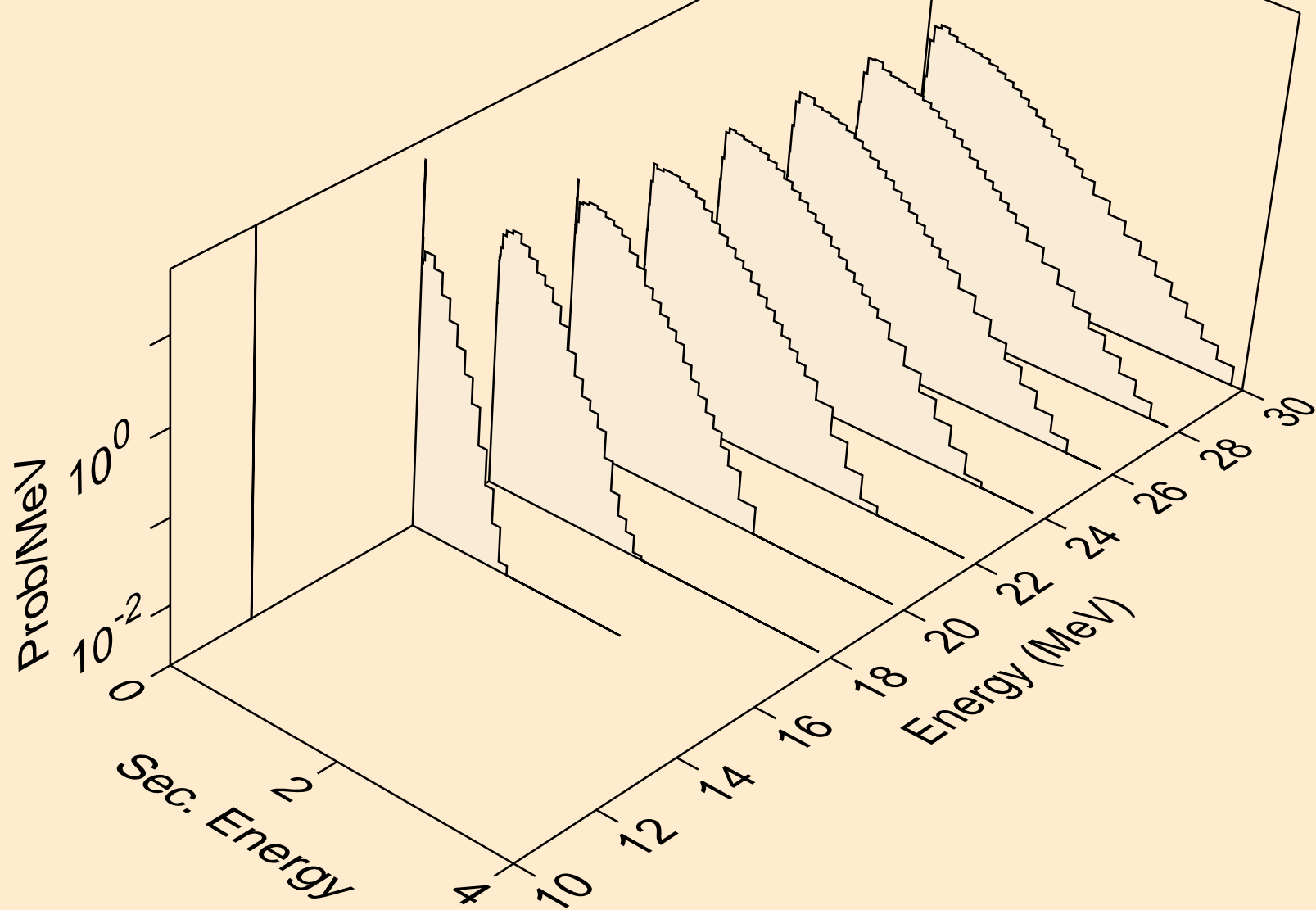


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neutrons from (p,n\*)d

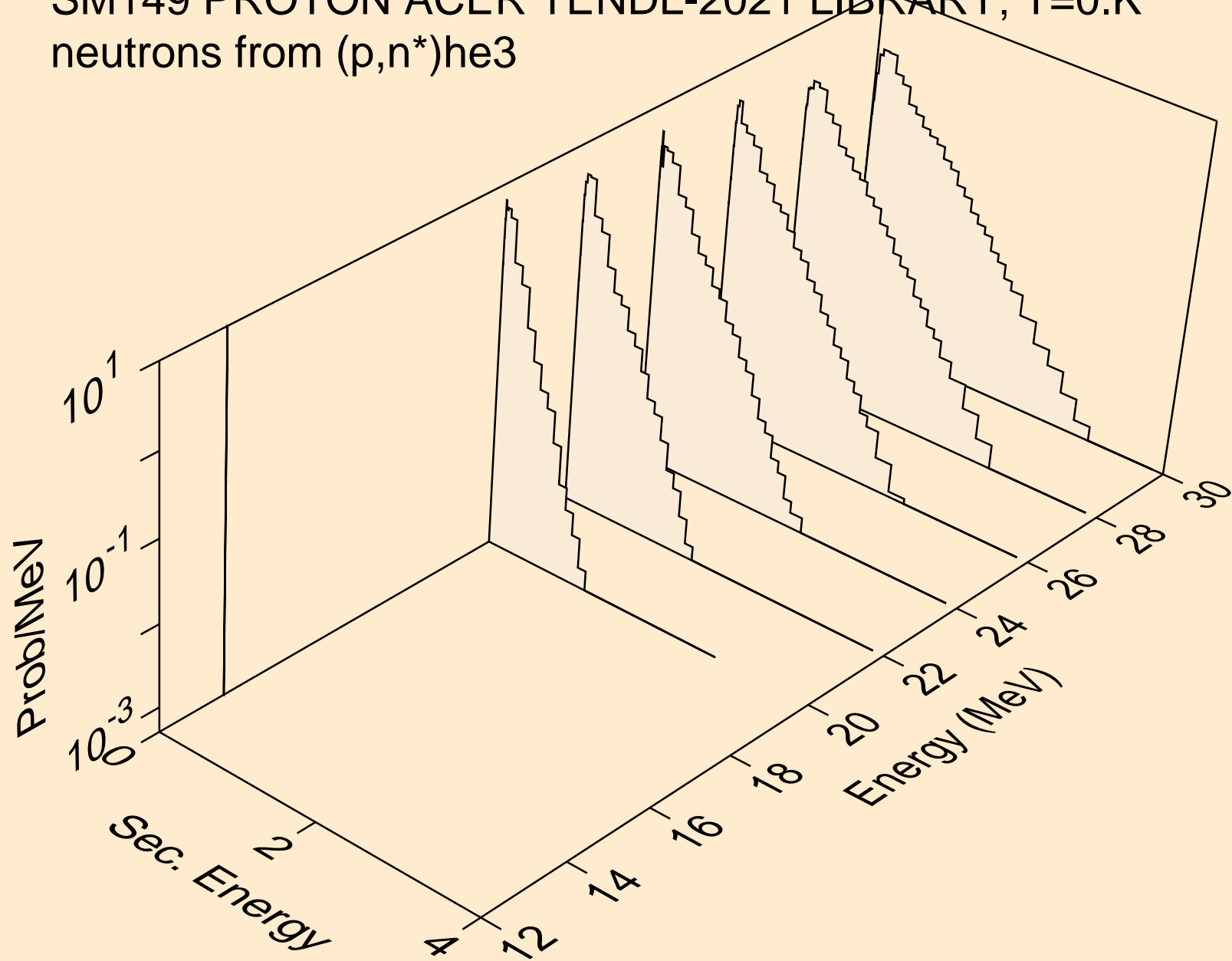




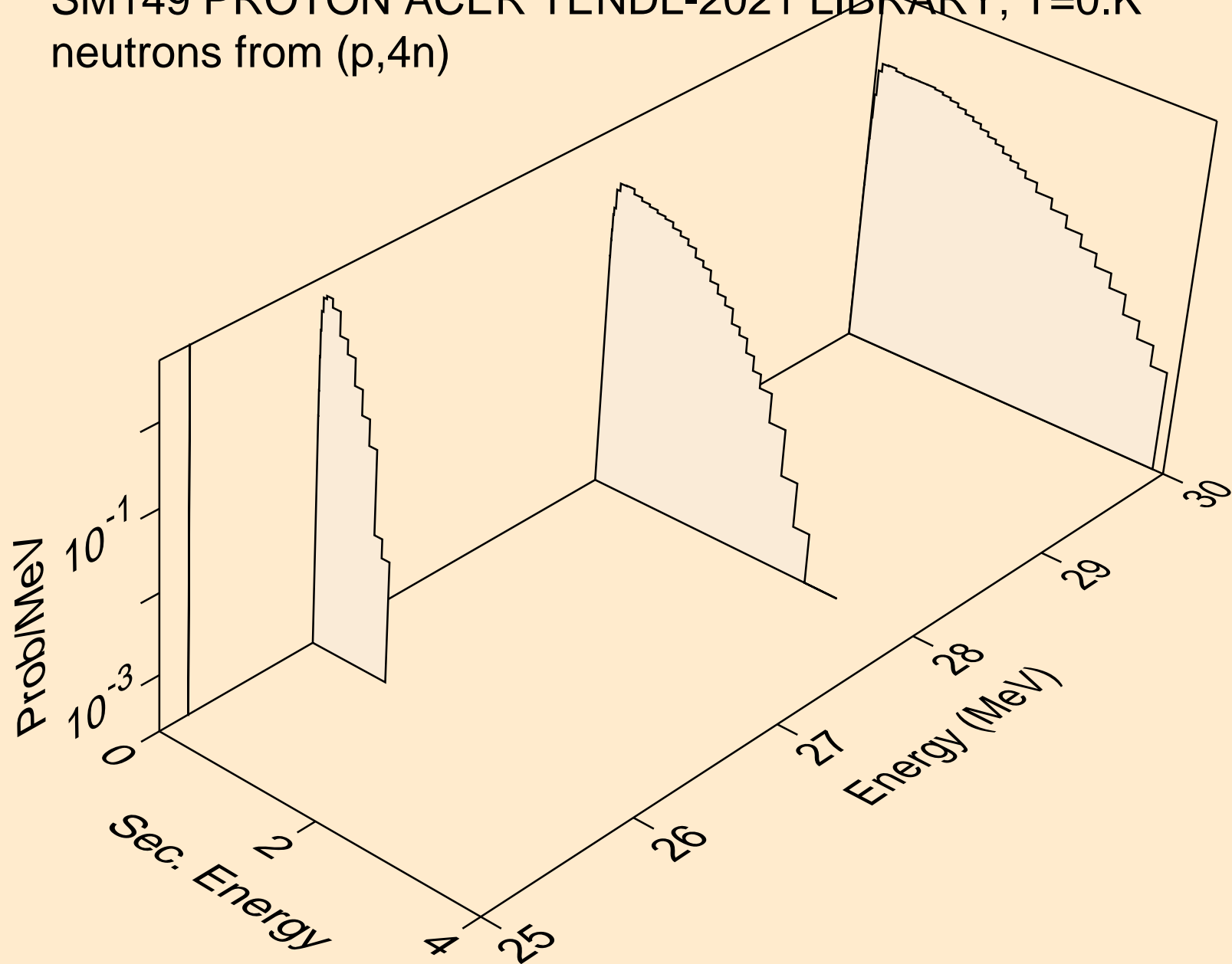
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neutrons from (p,n\*)t



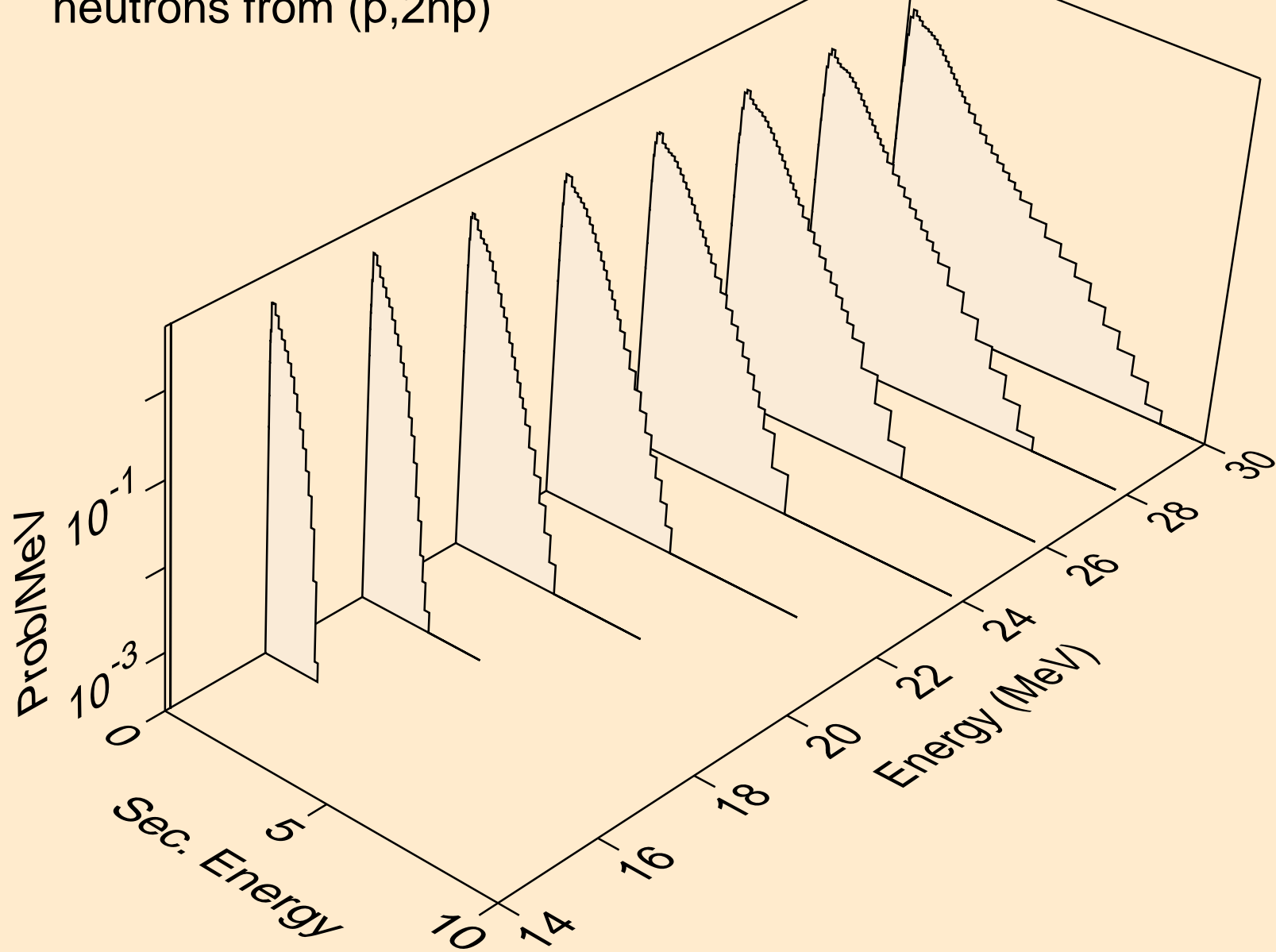
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



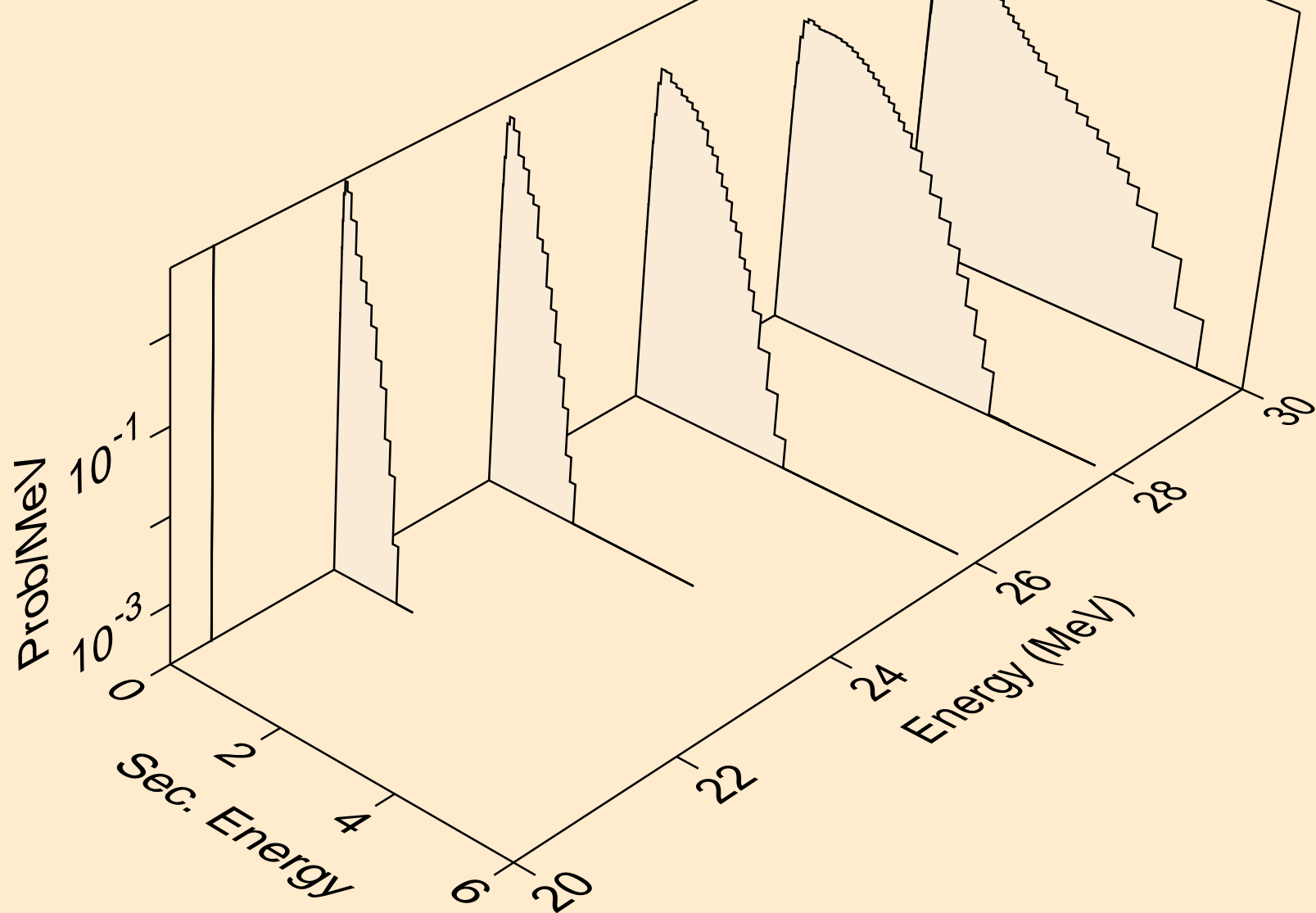
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,4n)



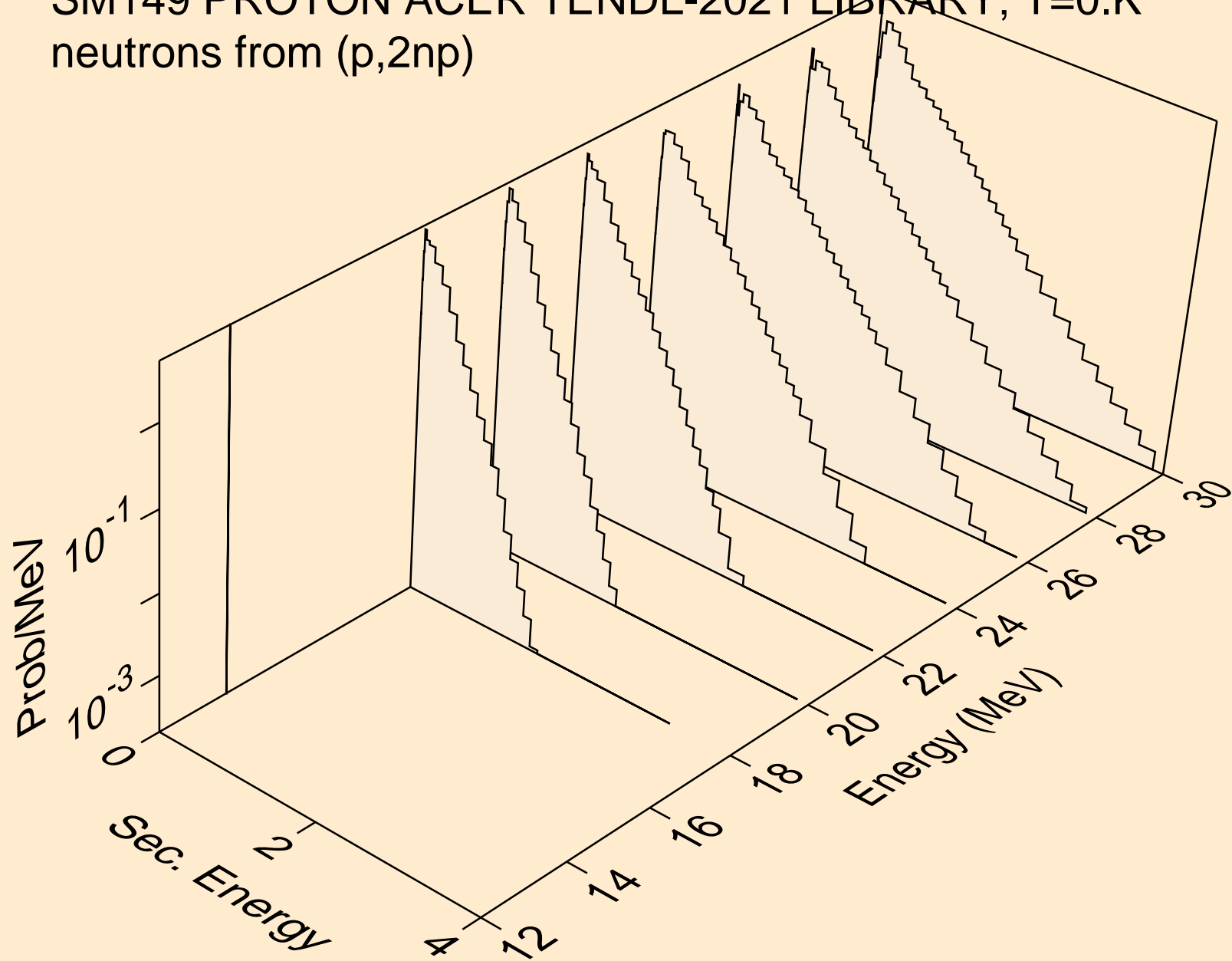
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)



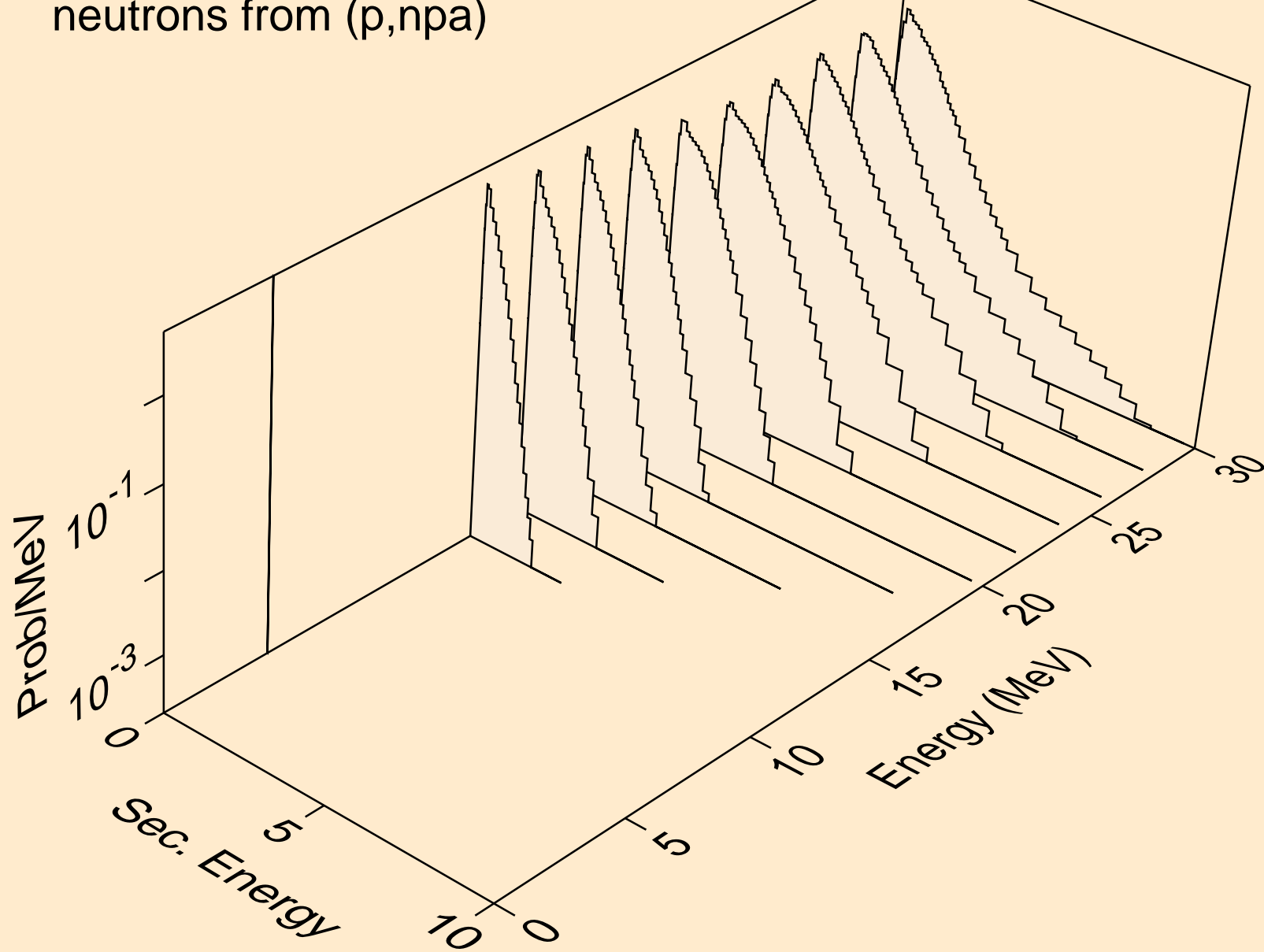
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3np)



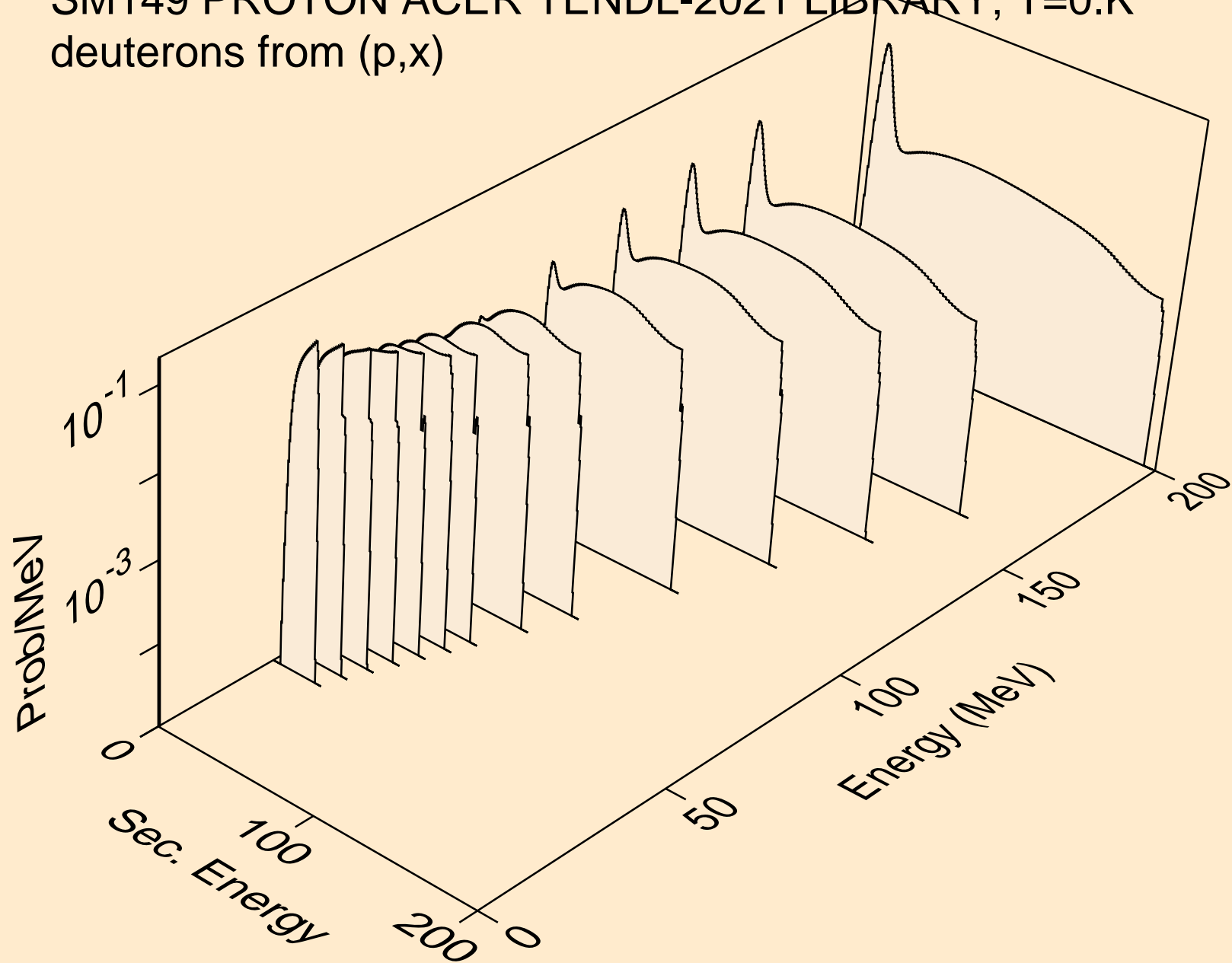
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)



SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,npa)

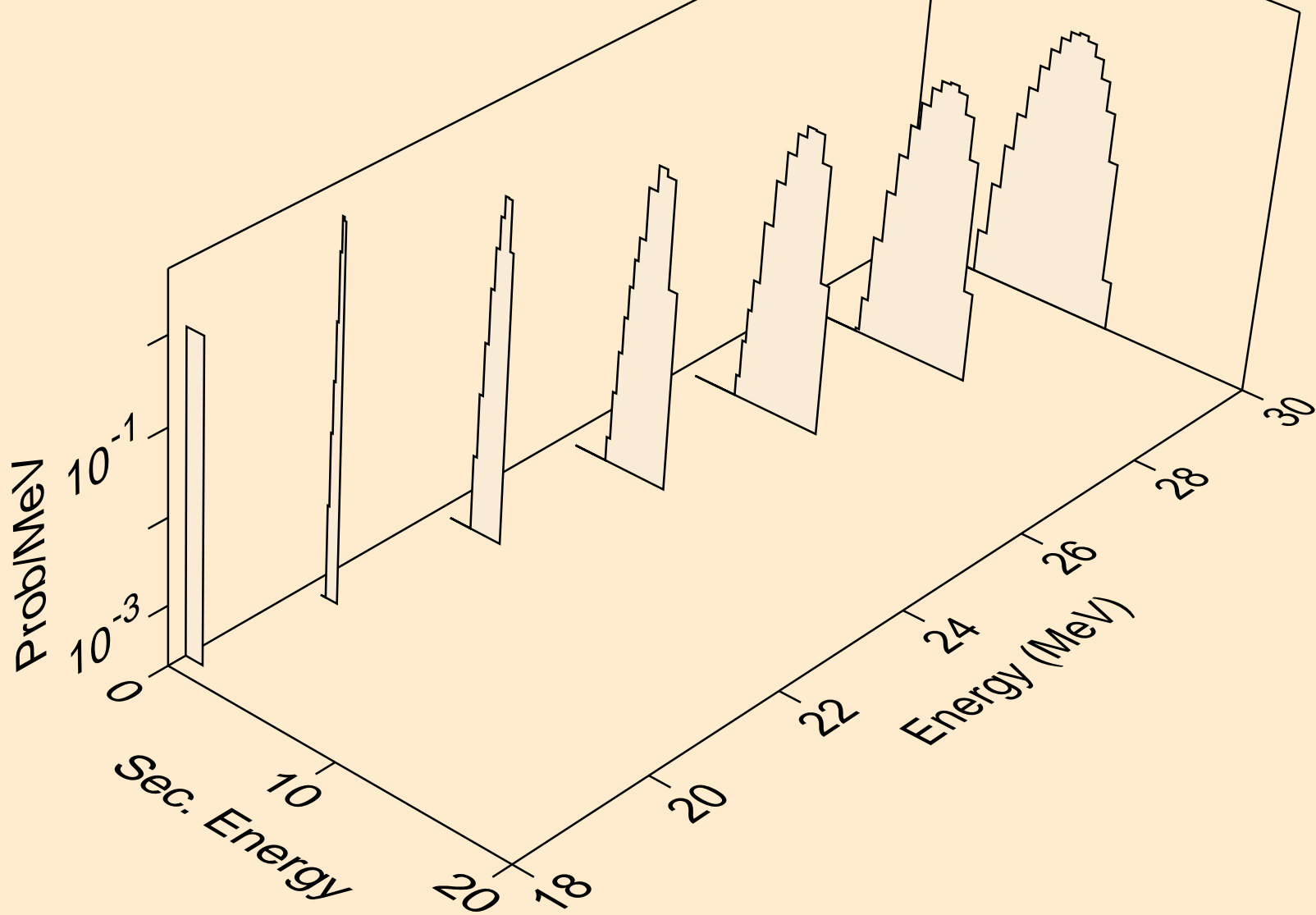


SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,x)

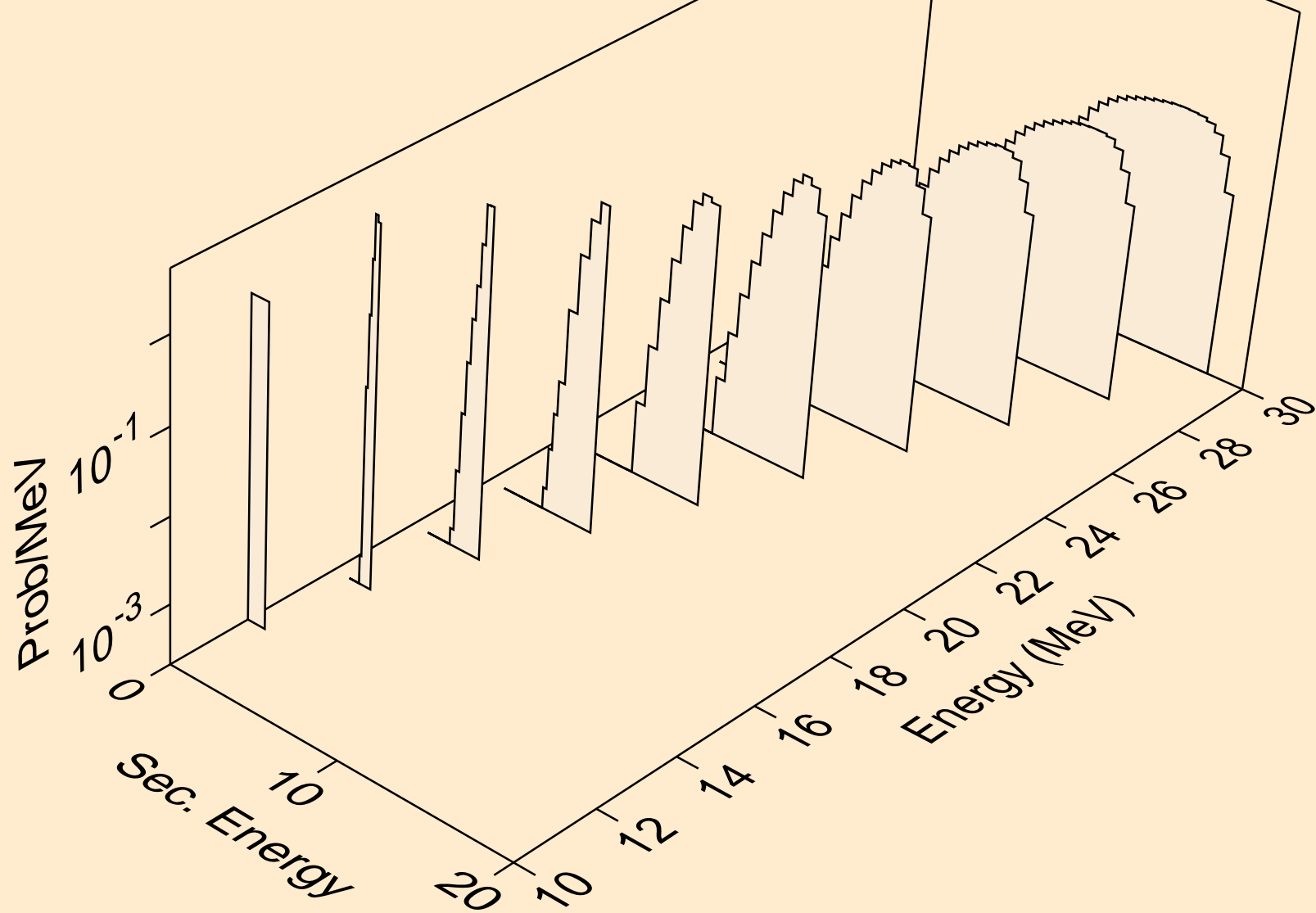




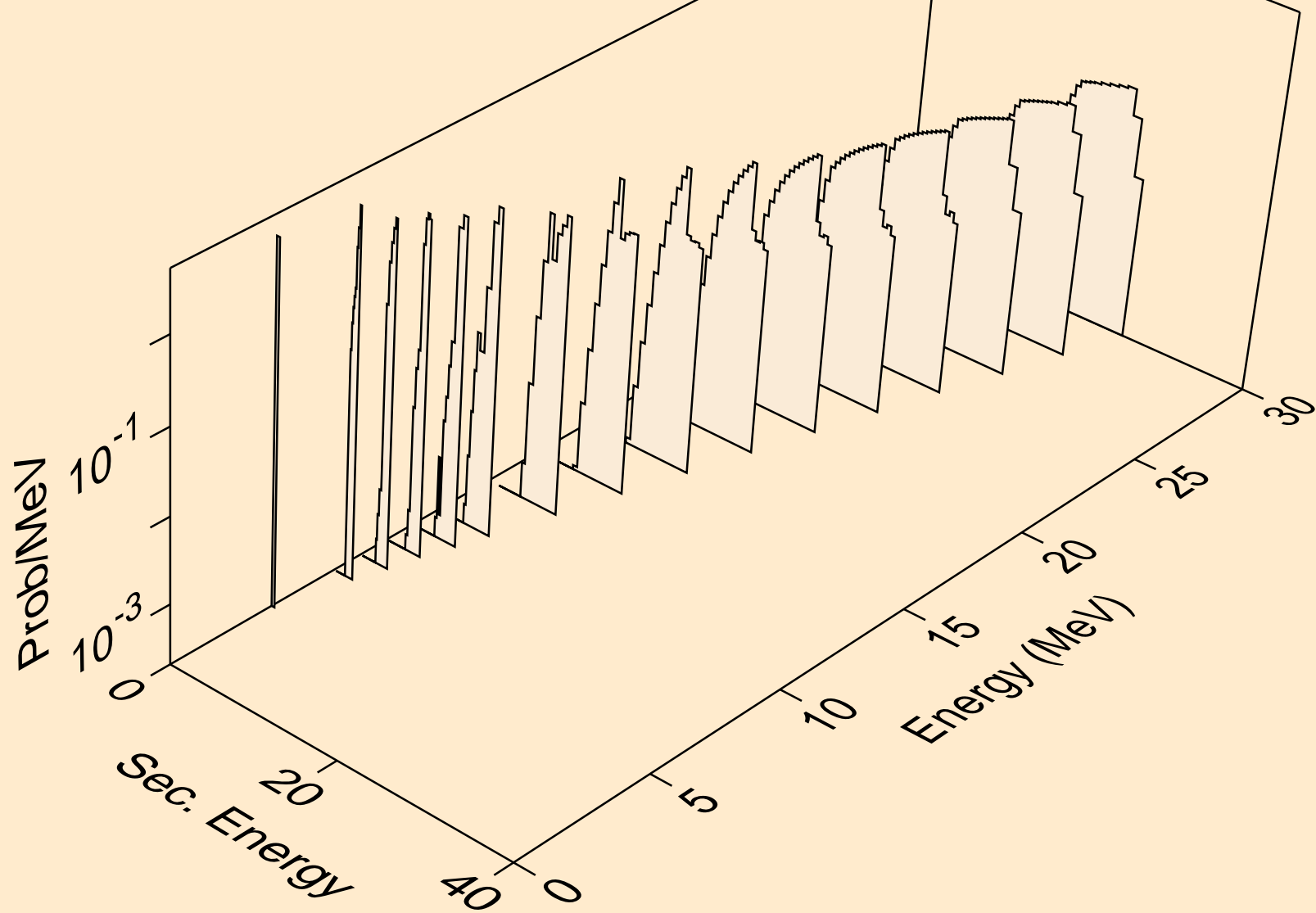
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,2nd)



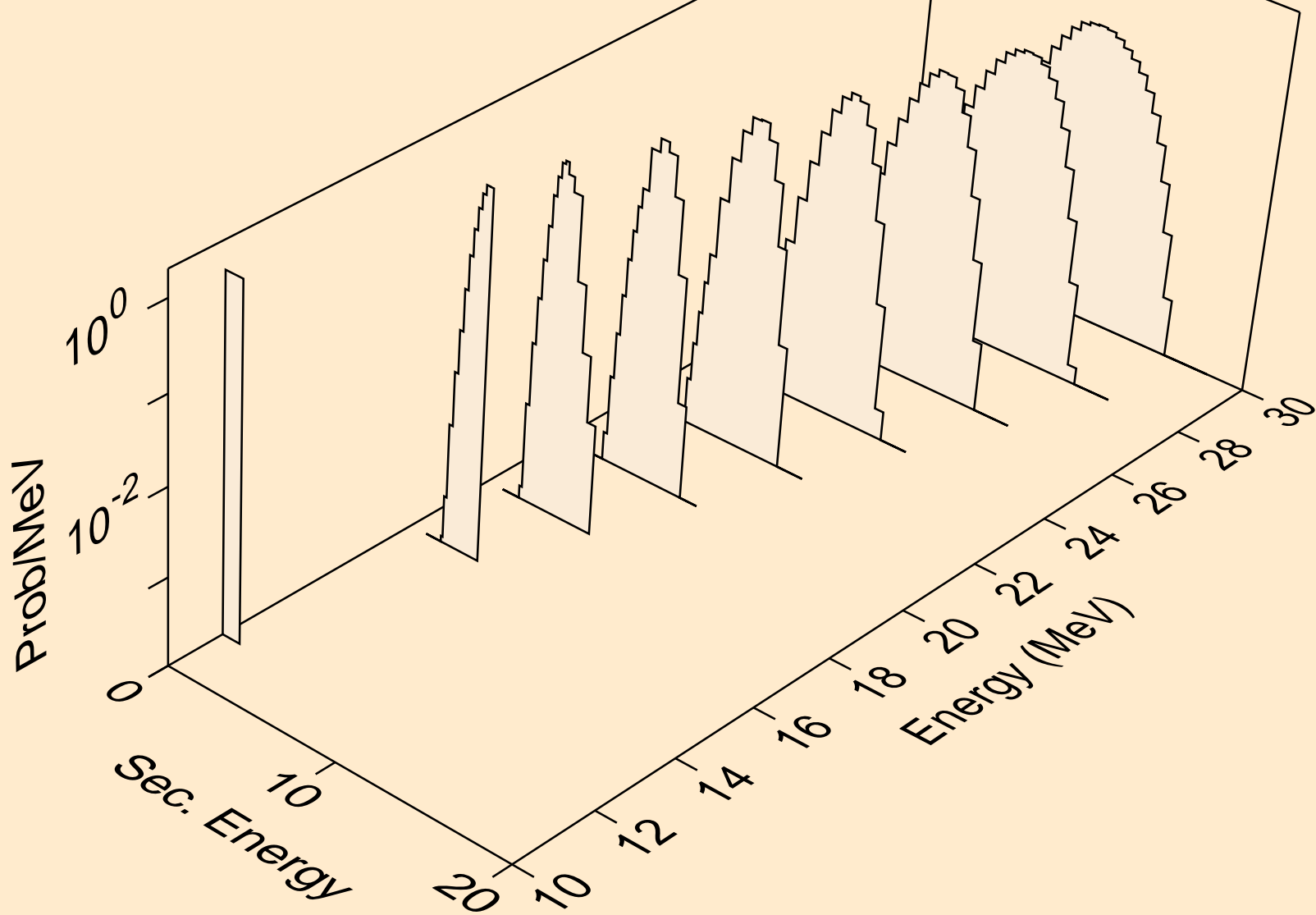
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,n\*)d



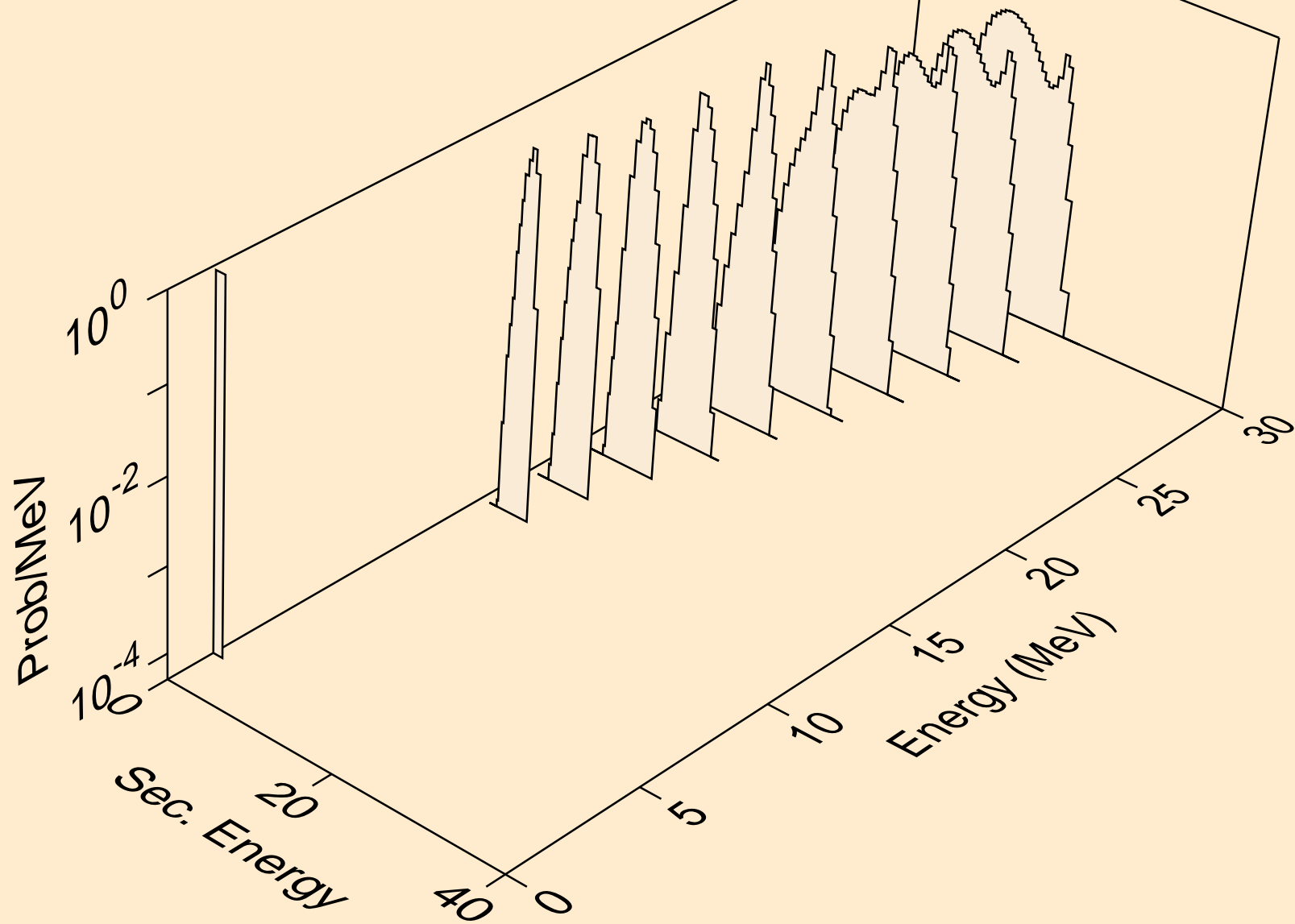
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,d)



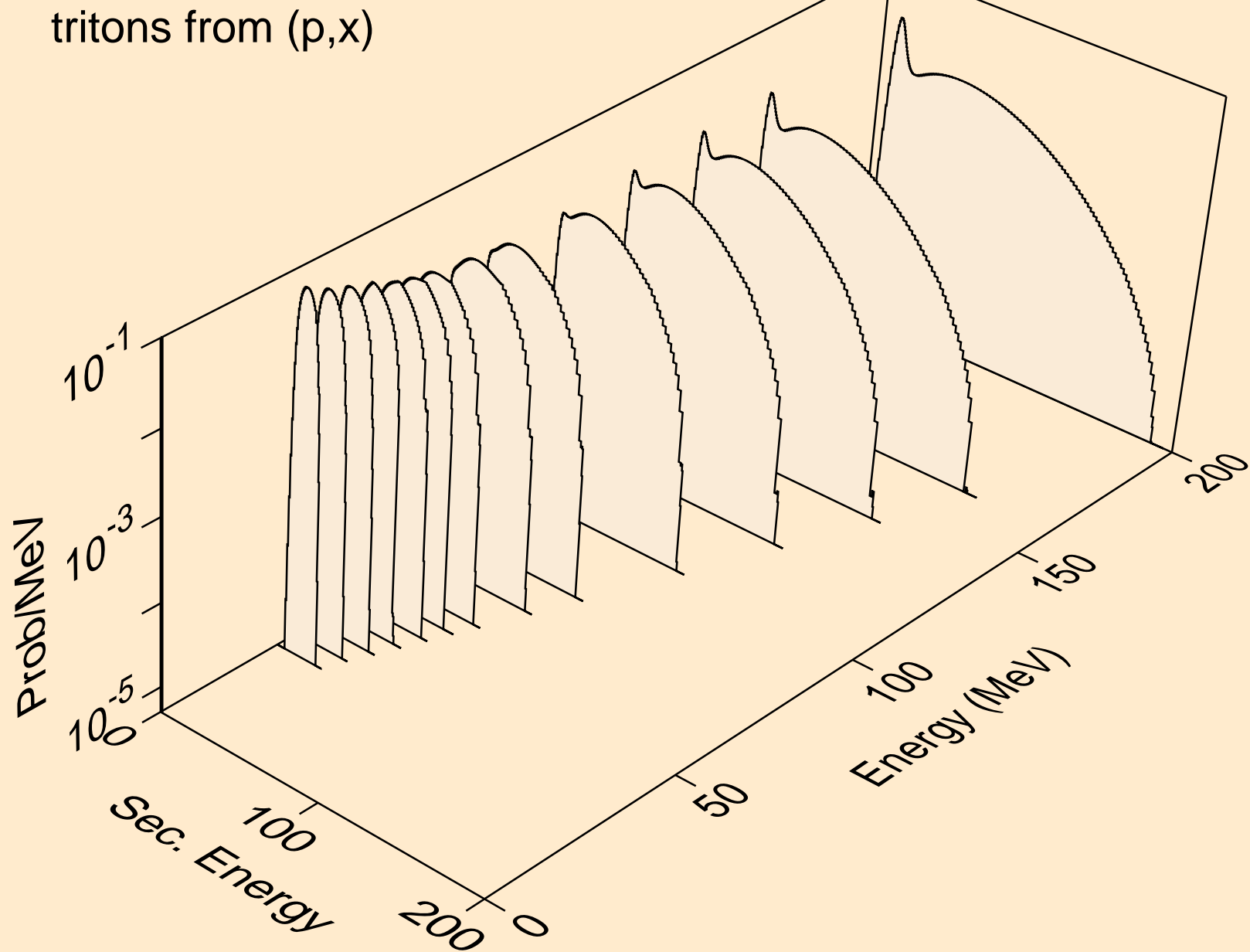
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,pd)



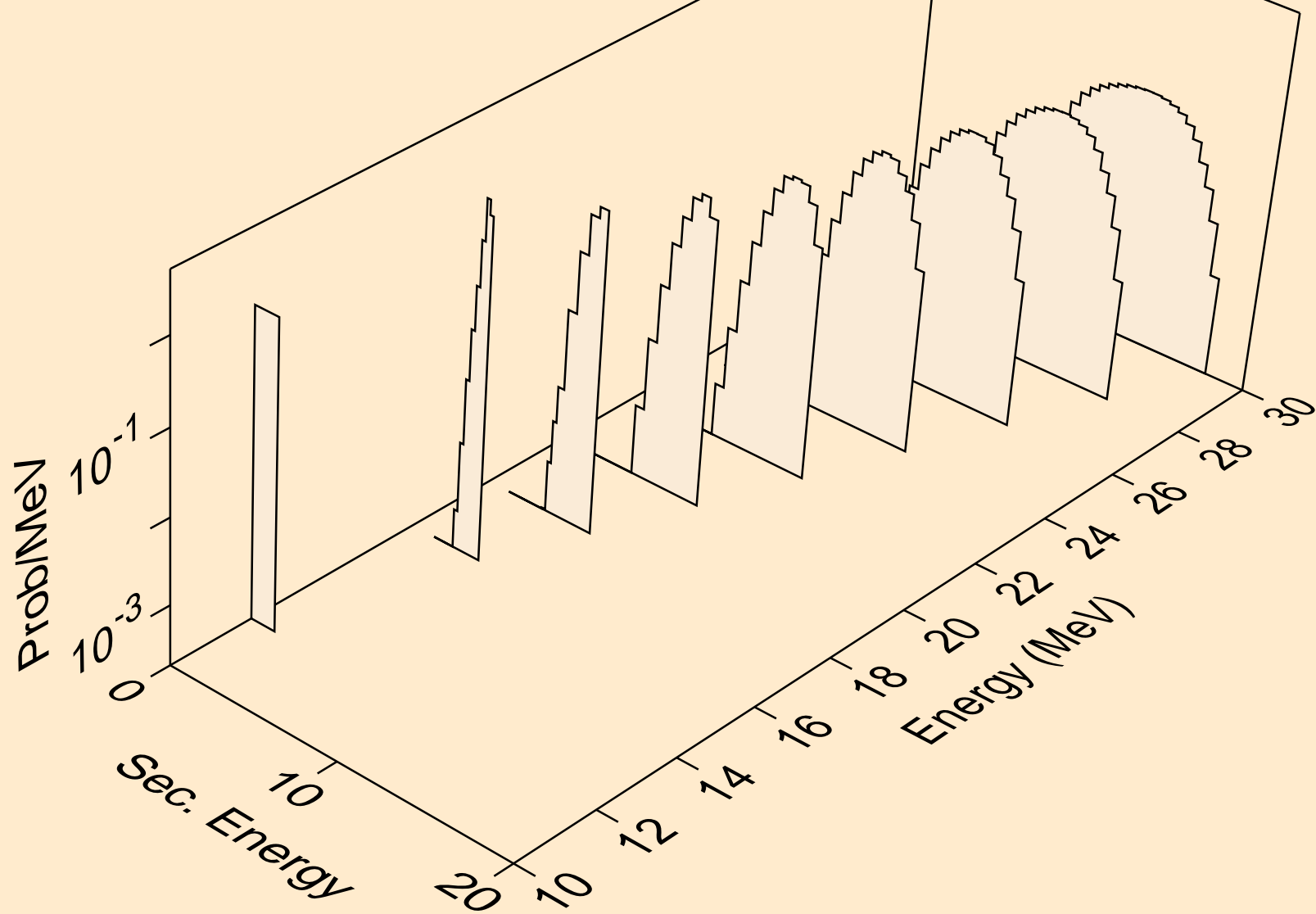
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,da)



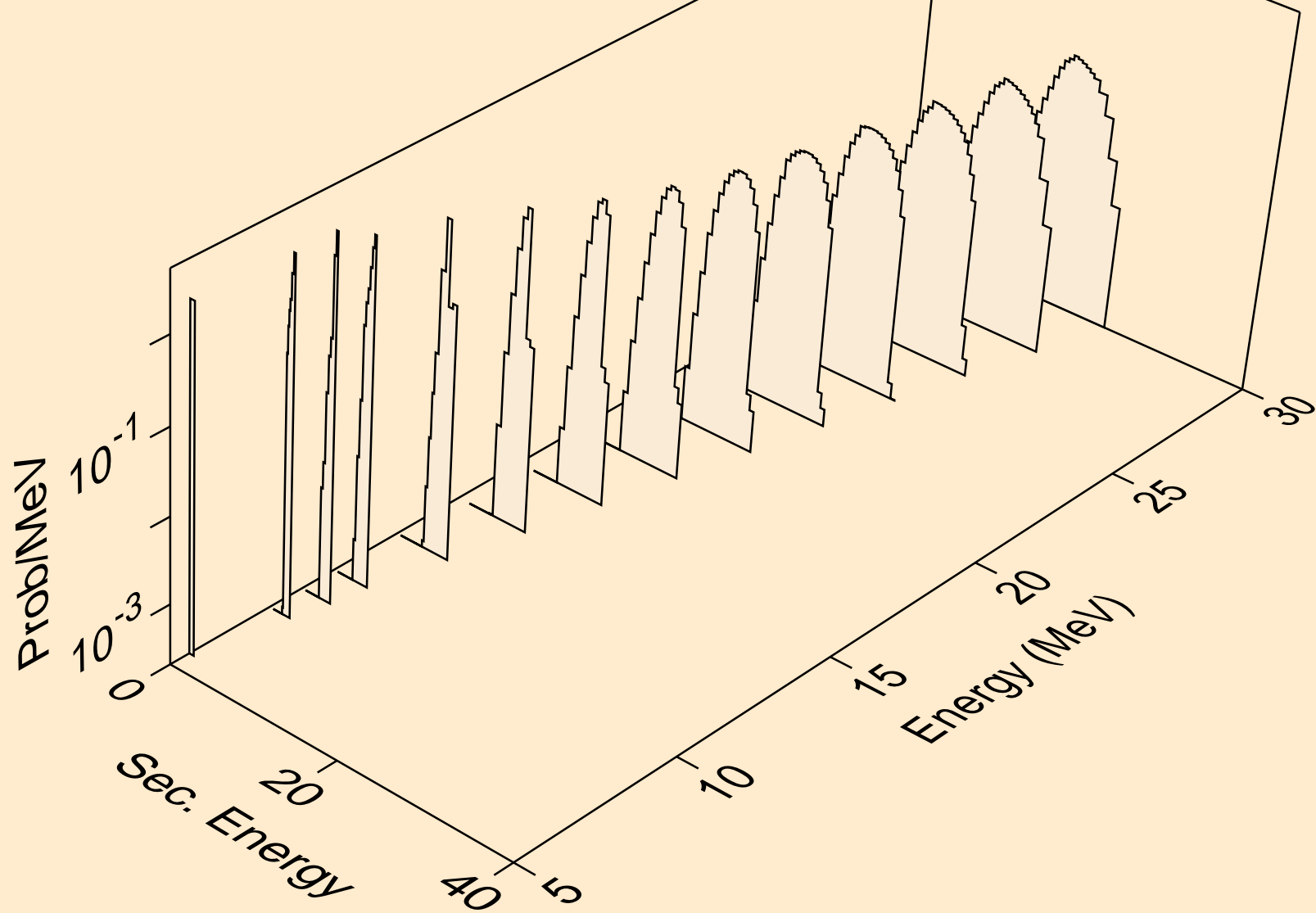
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,x)



SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,n\*)t

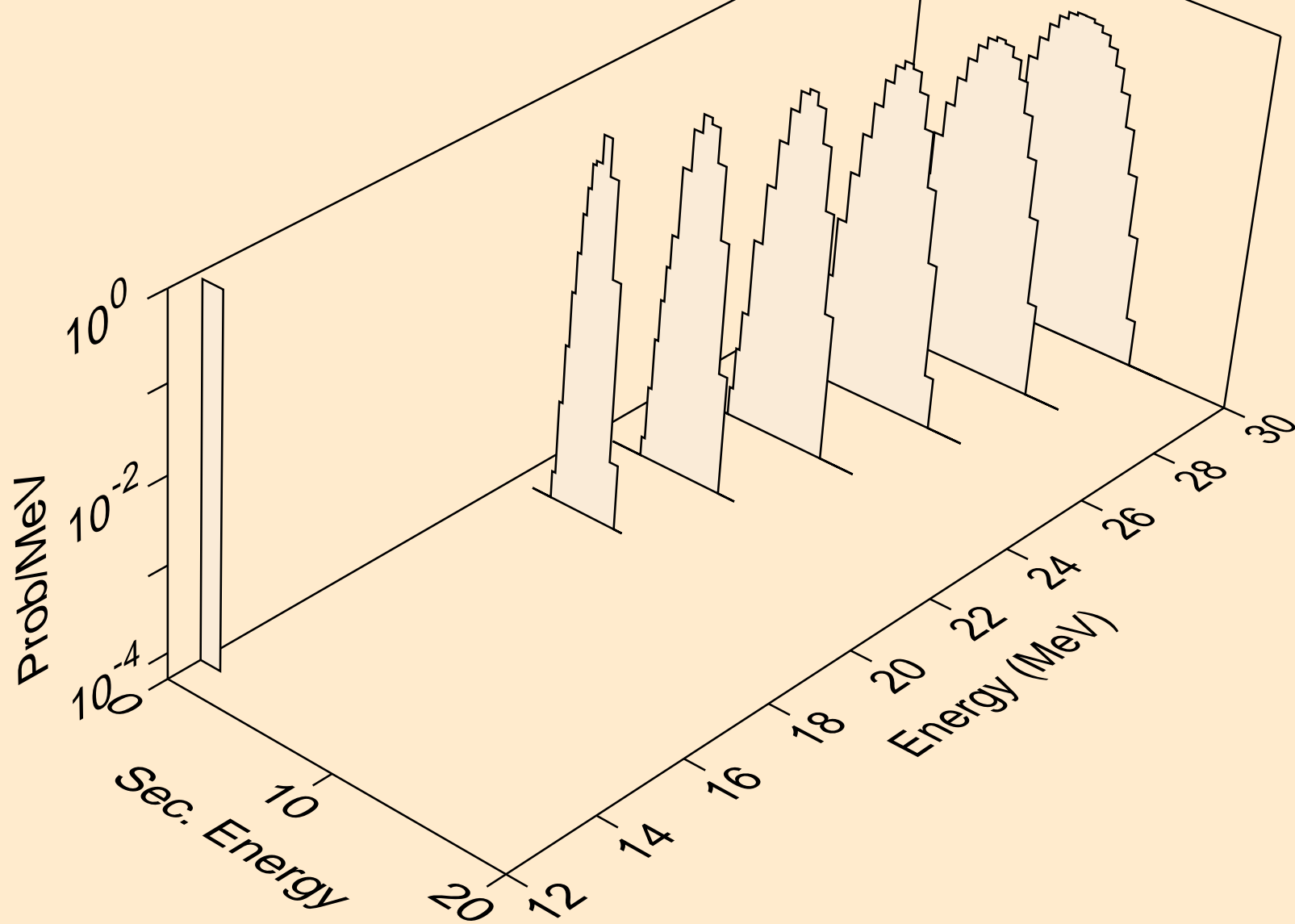


SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,t)

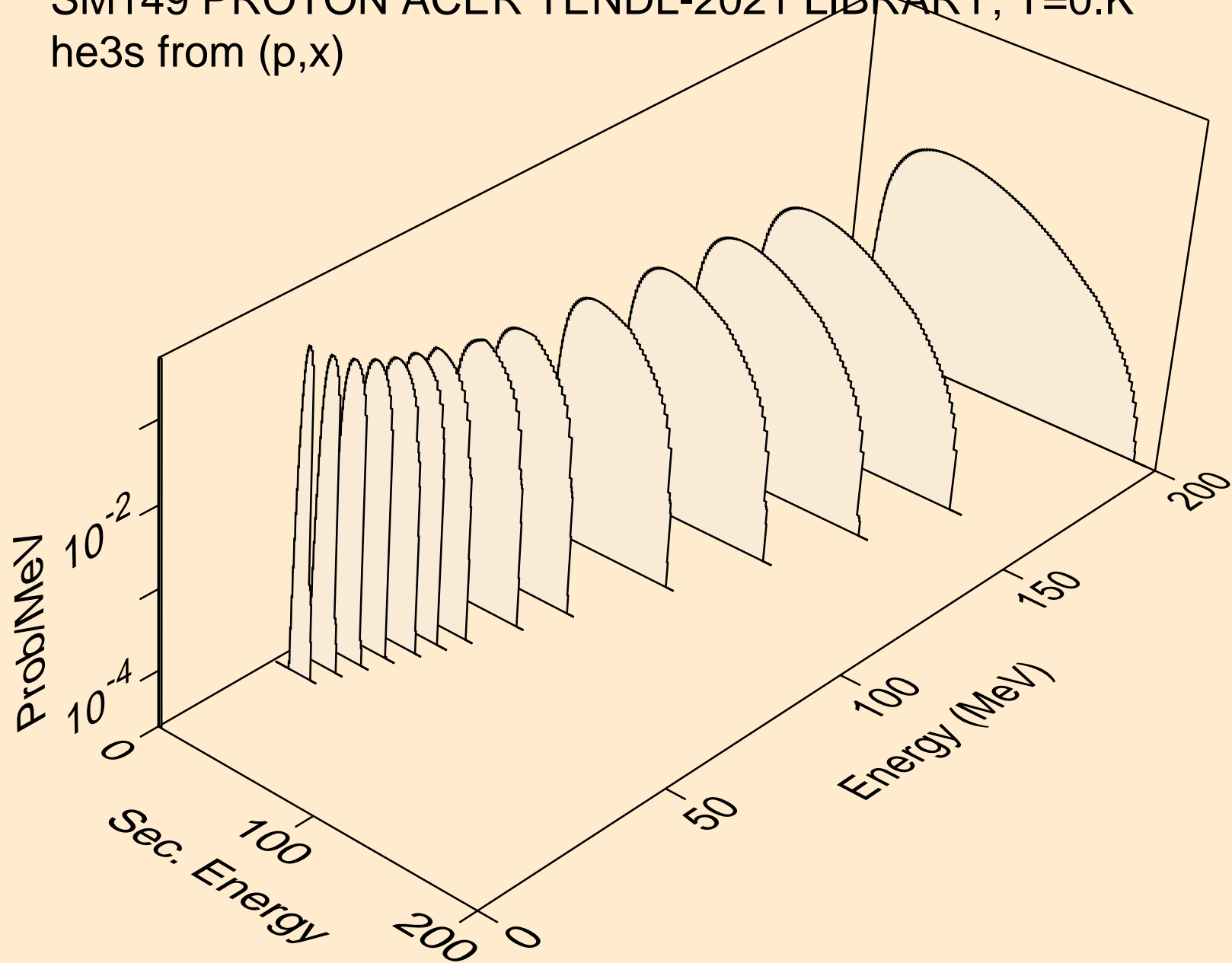




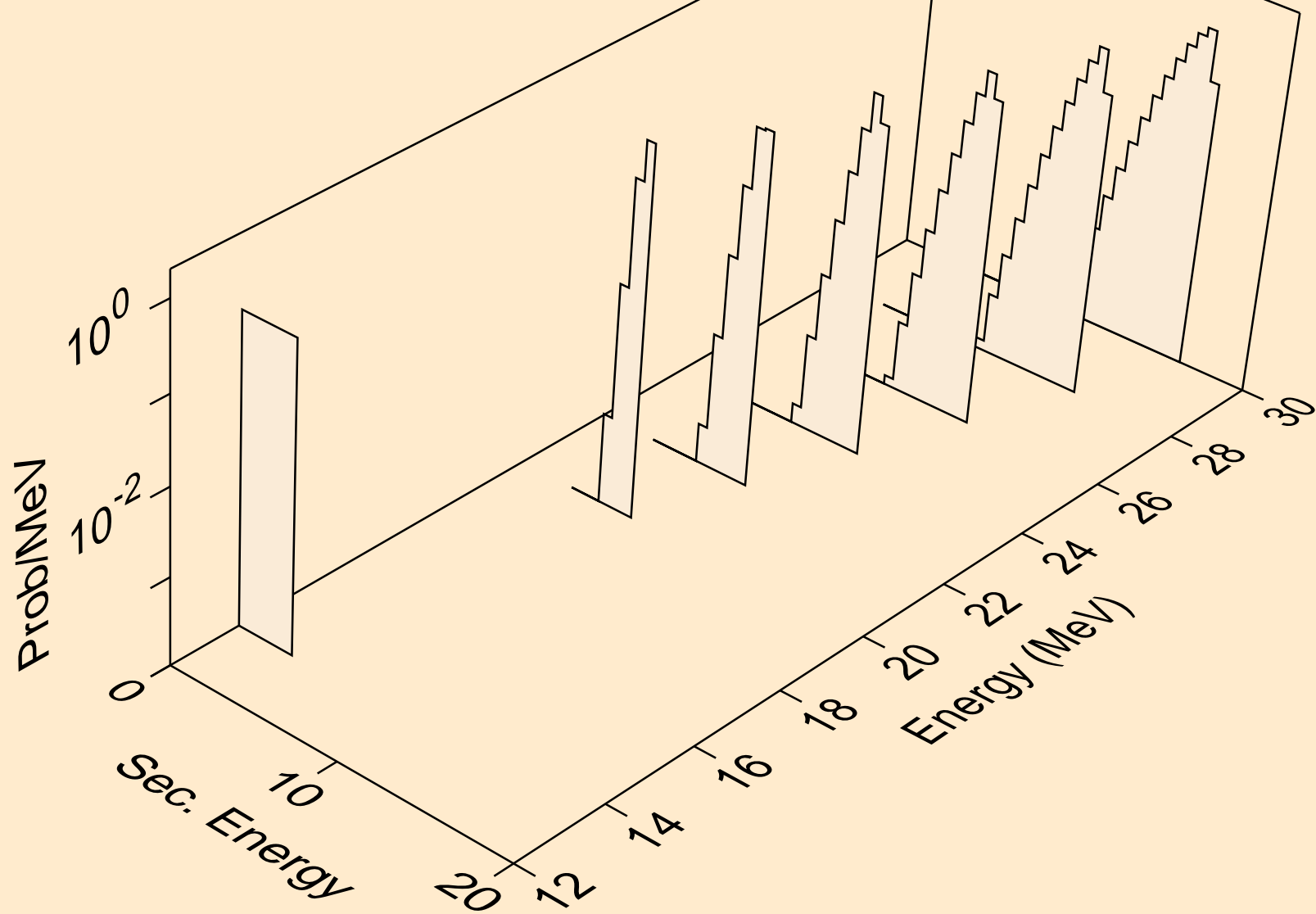
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,pt)



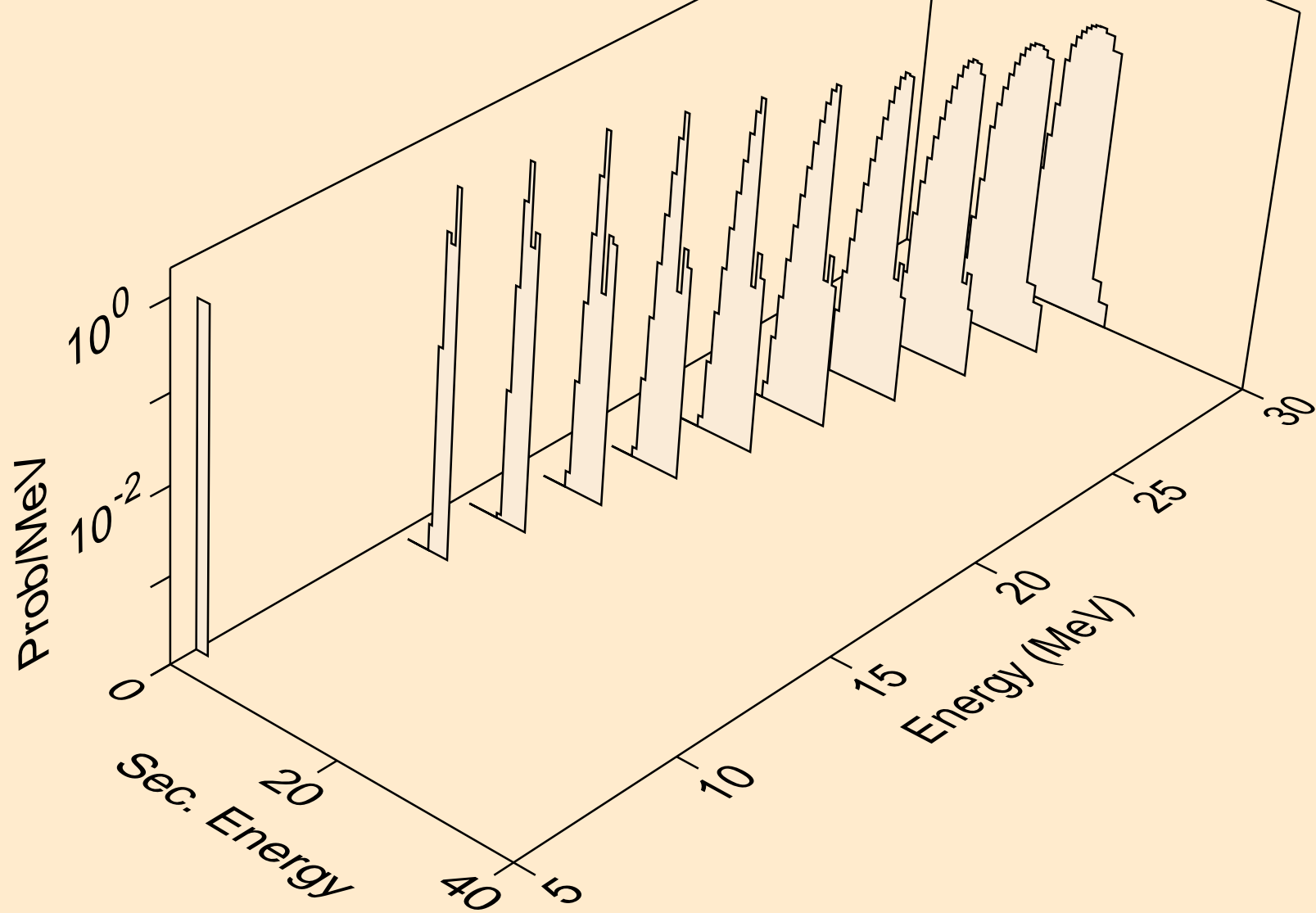
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,x)



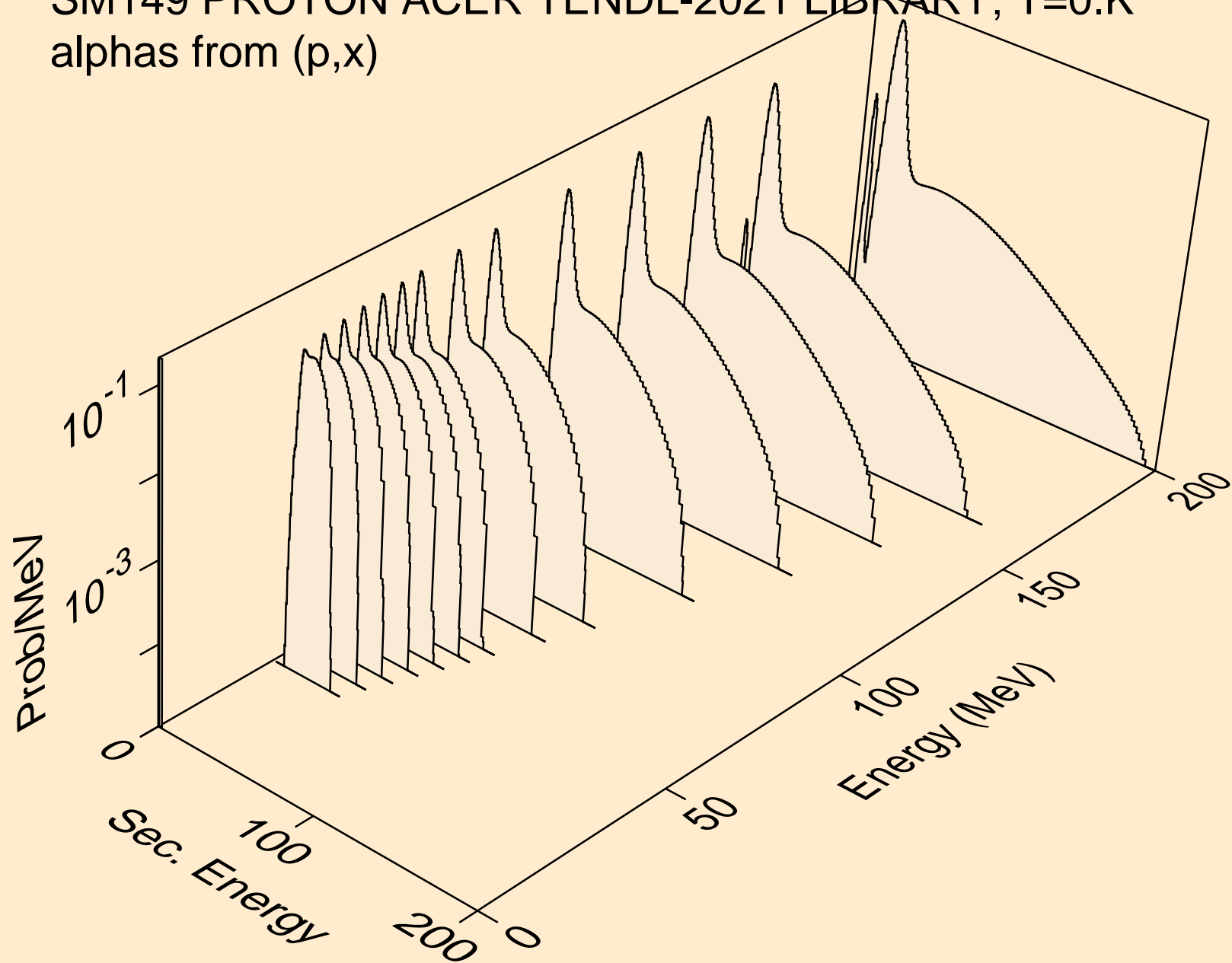
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,n\*)he3



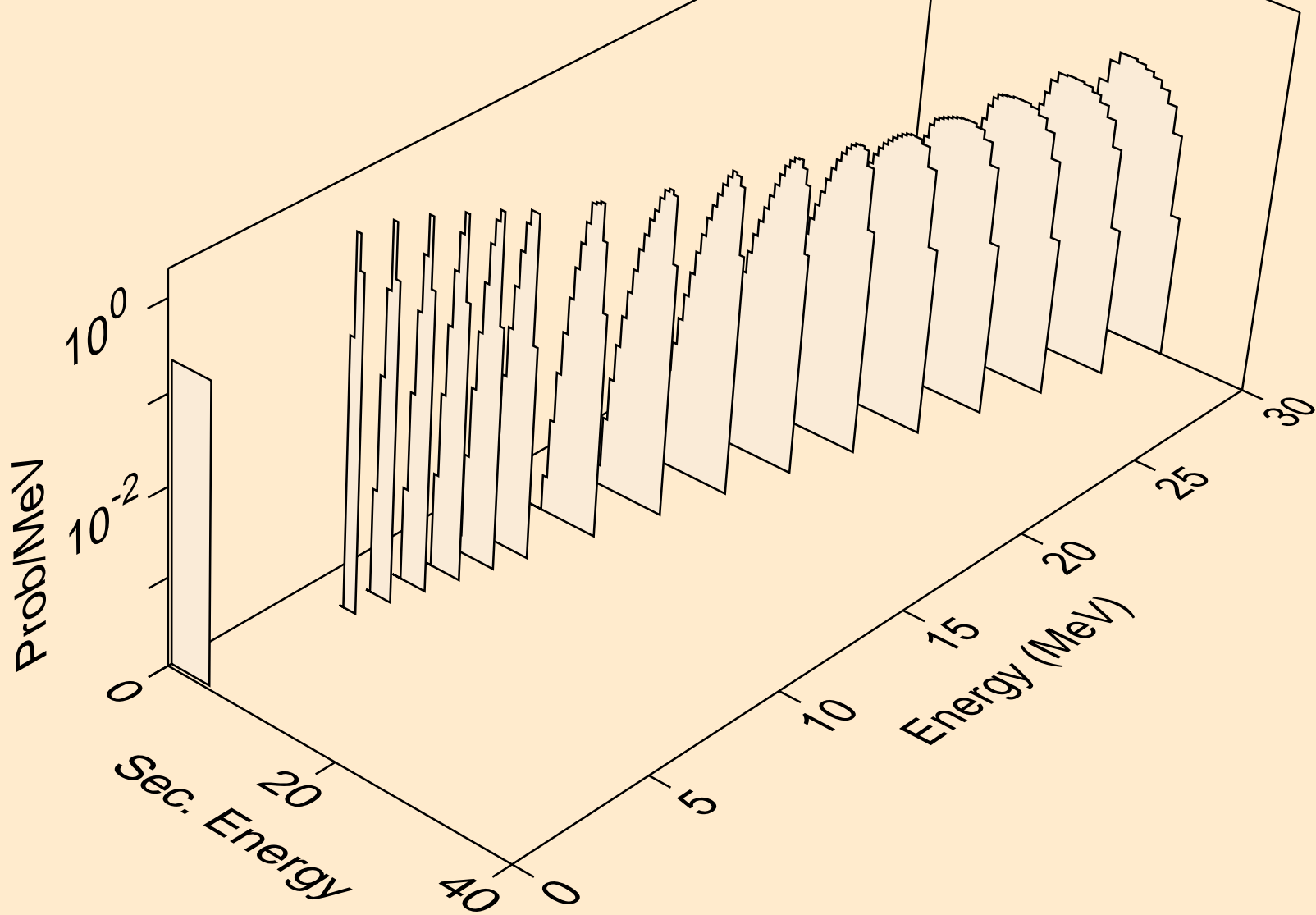
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,he3)



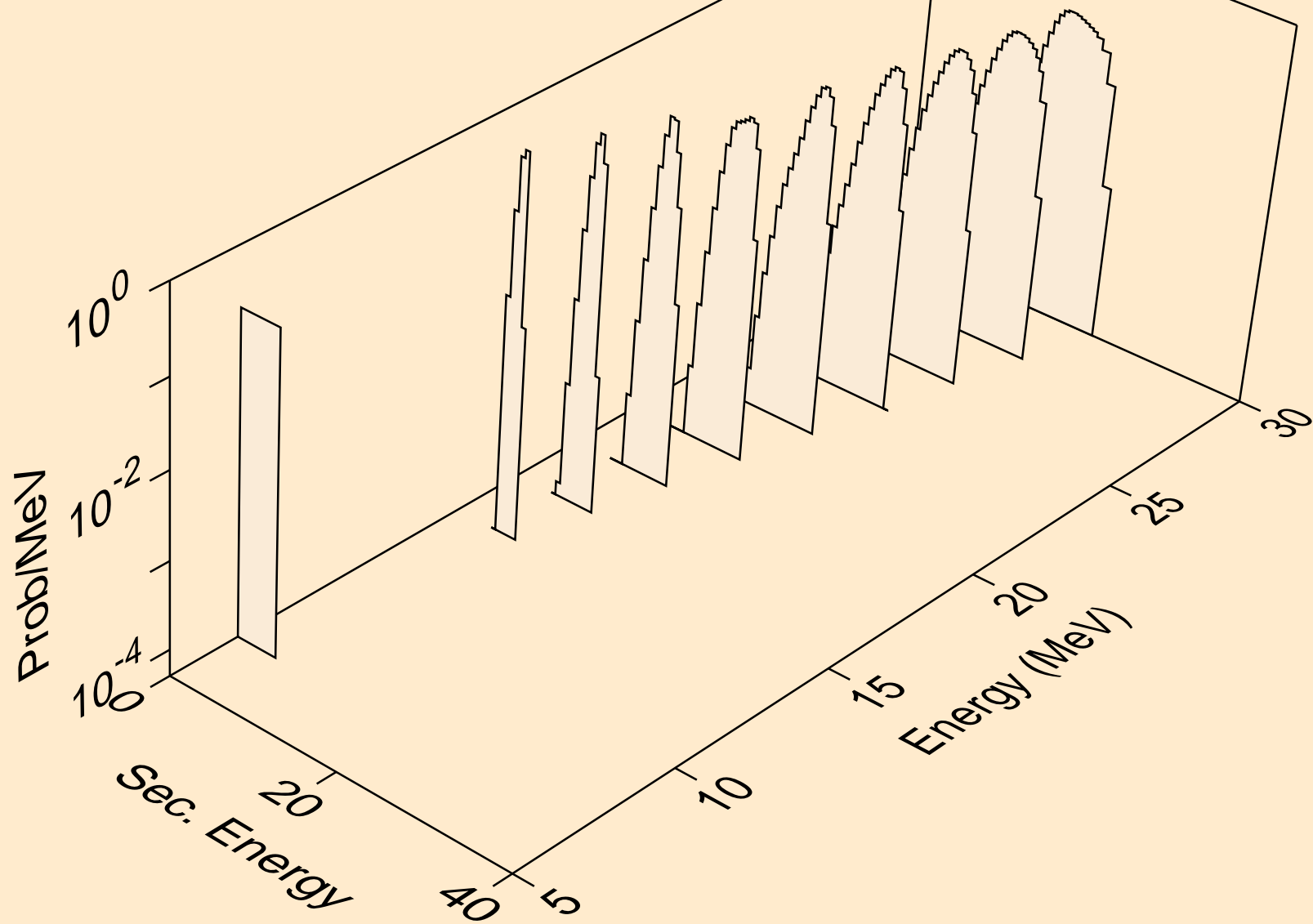
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,x)



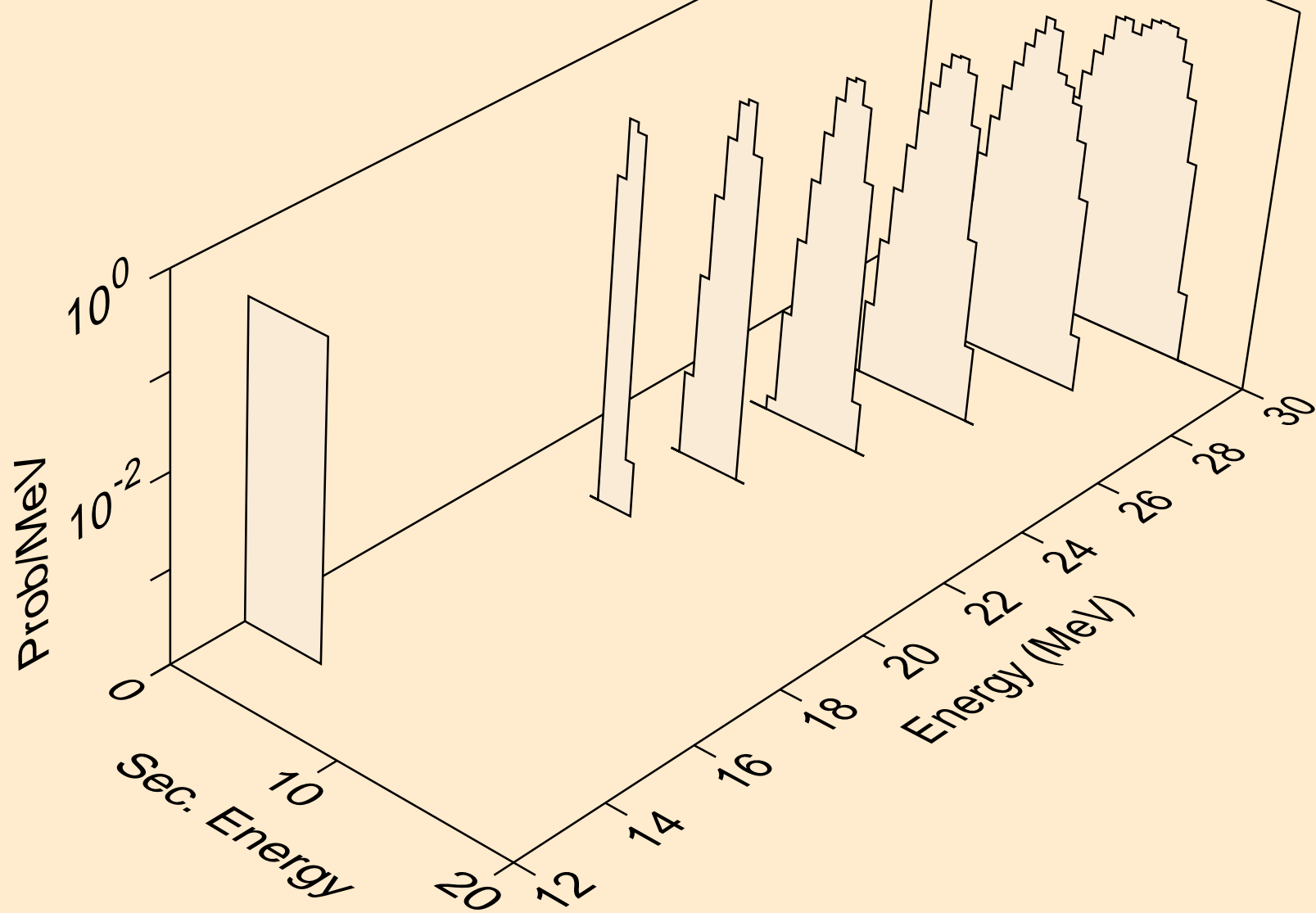
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)a



SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2n)a

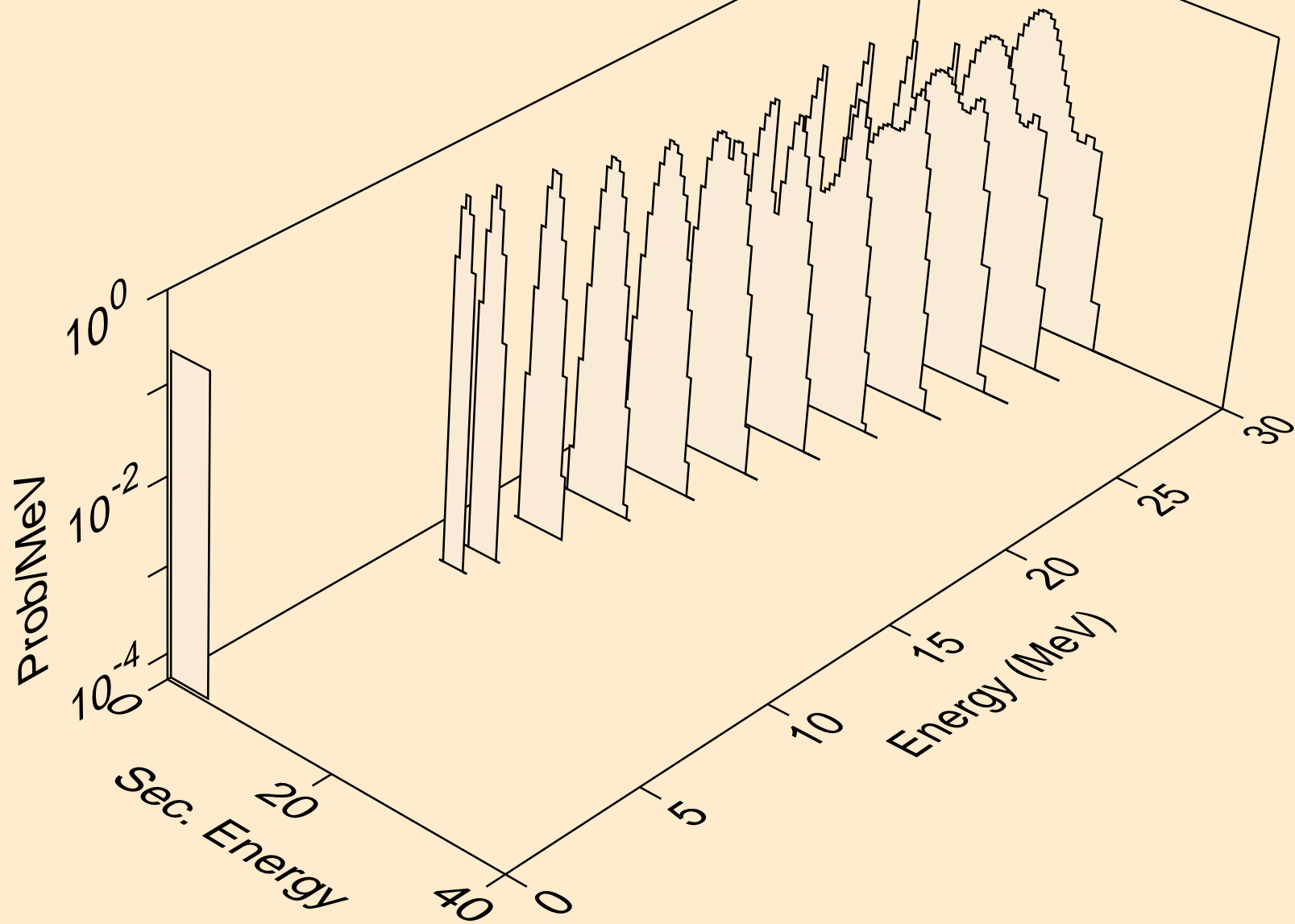


SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,3n)a

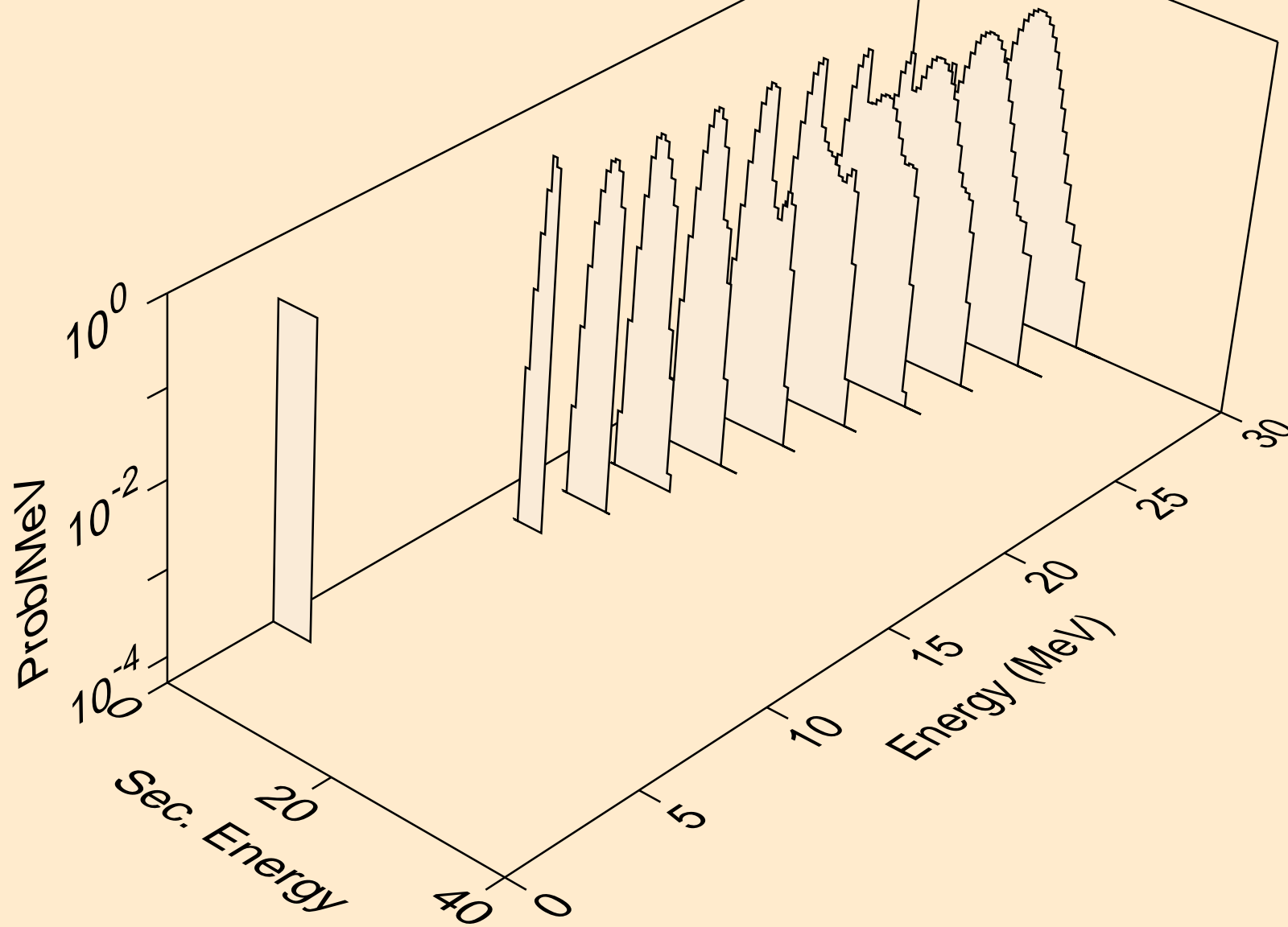




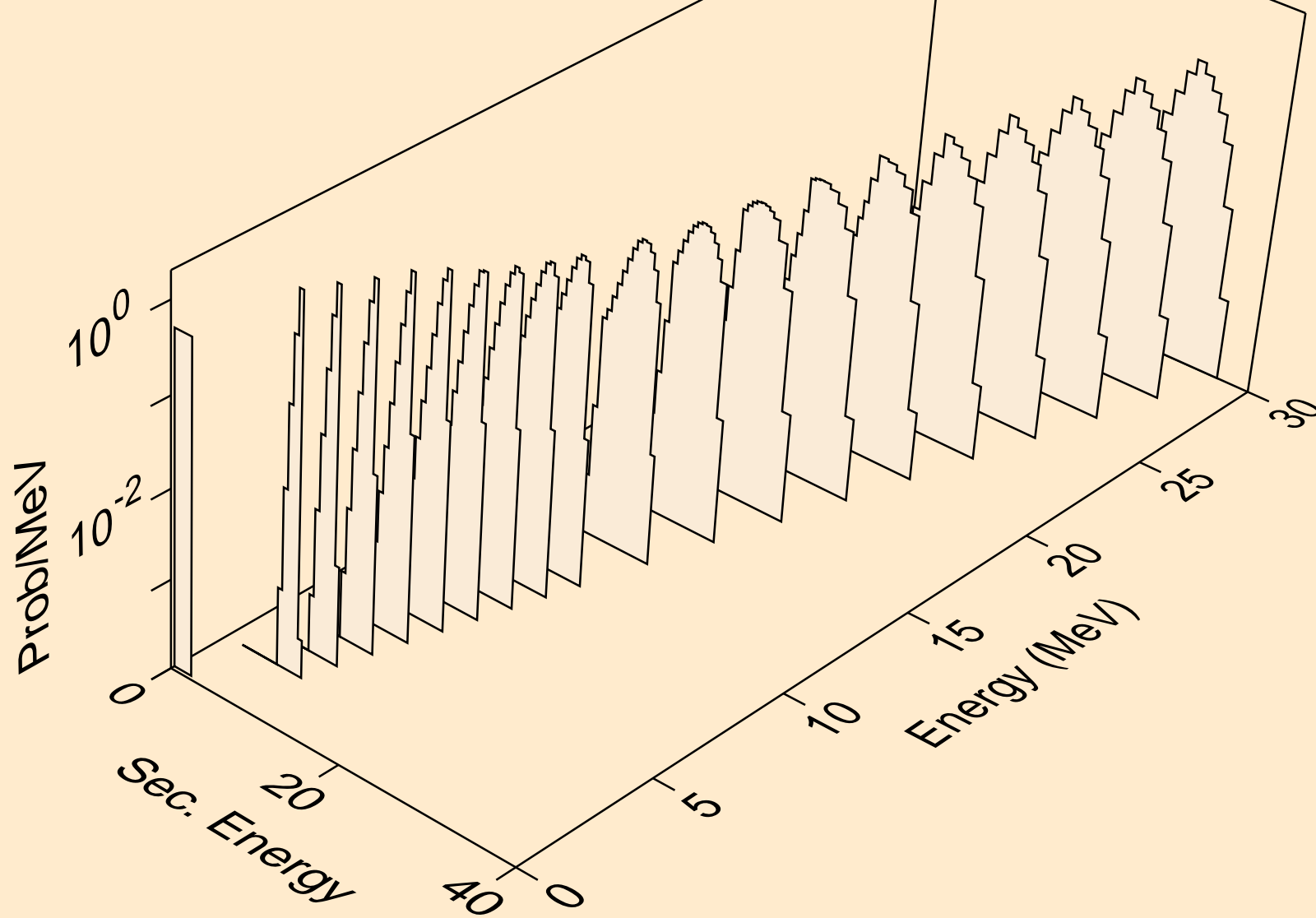
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)2a



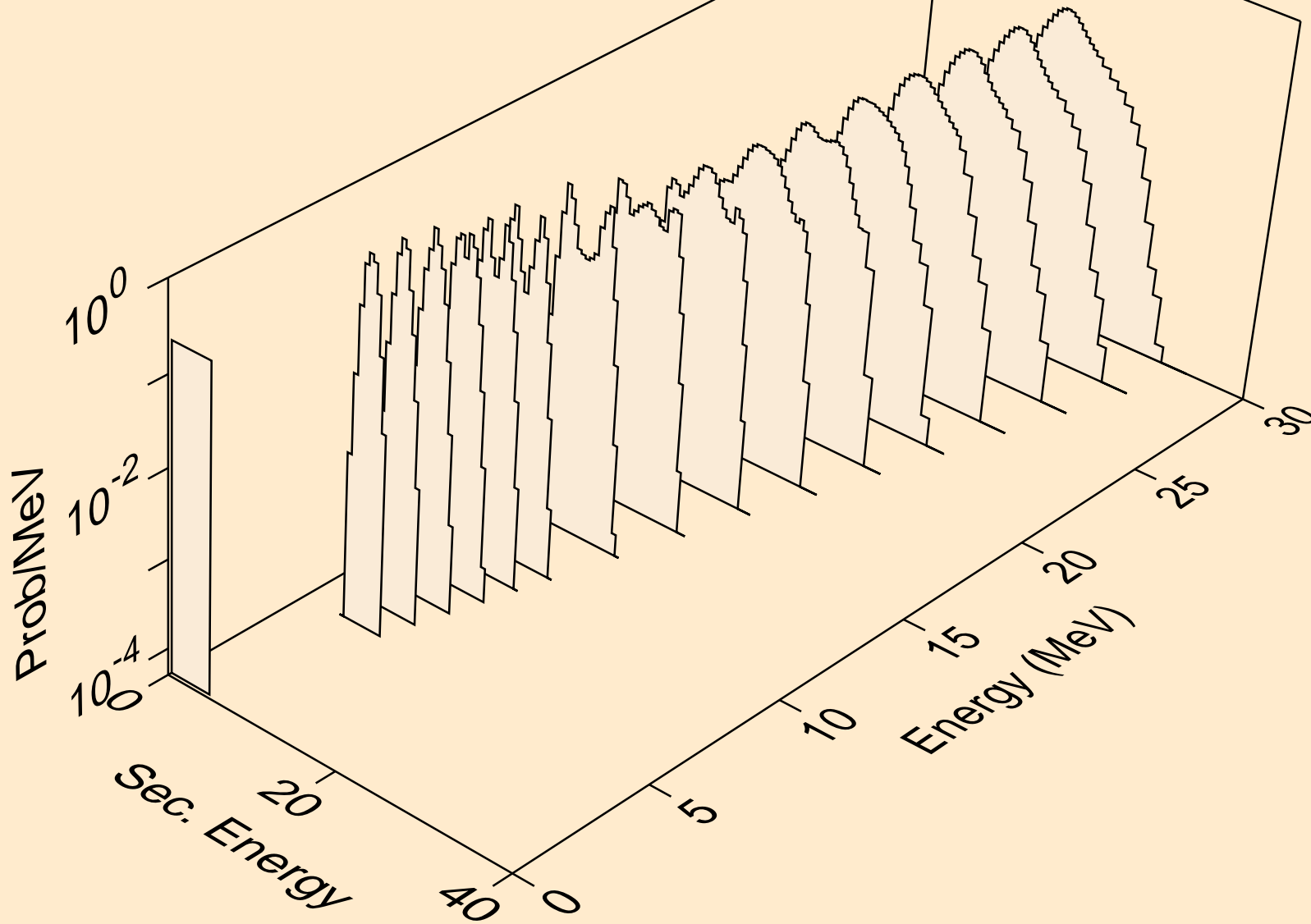
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,npa)



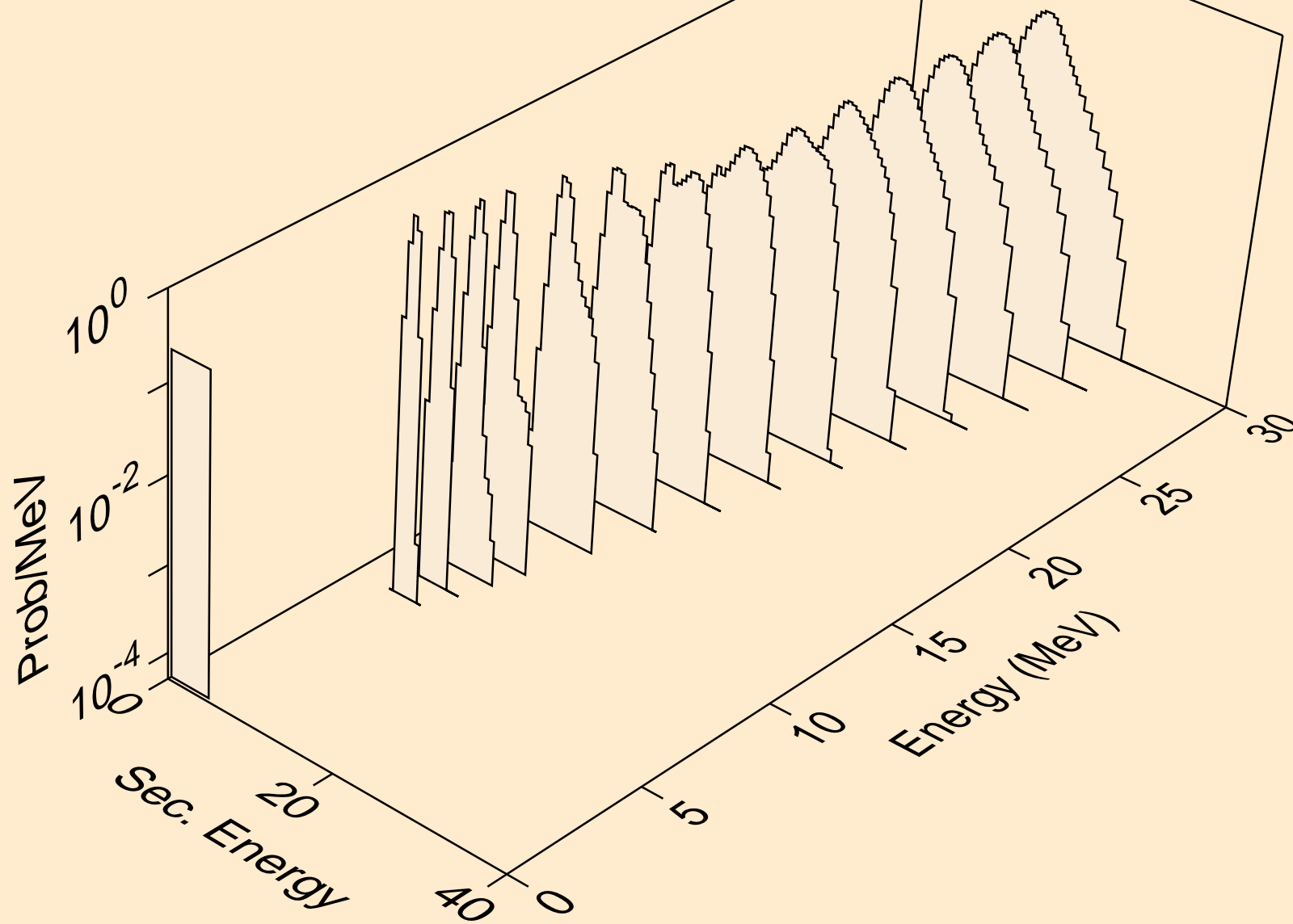
SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,a)



SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2a)



SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,pa)



SM149 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,da)

