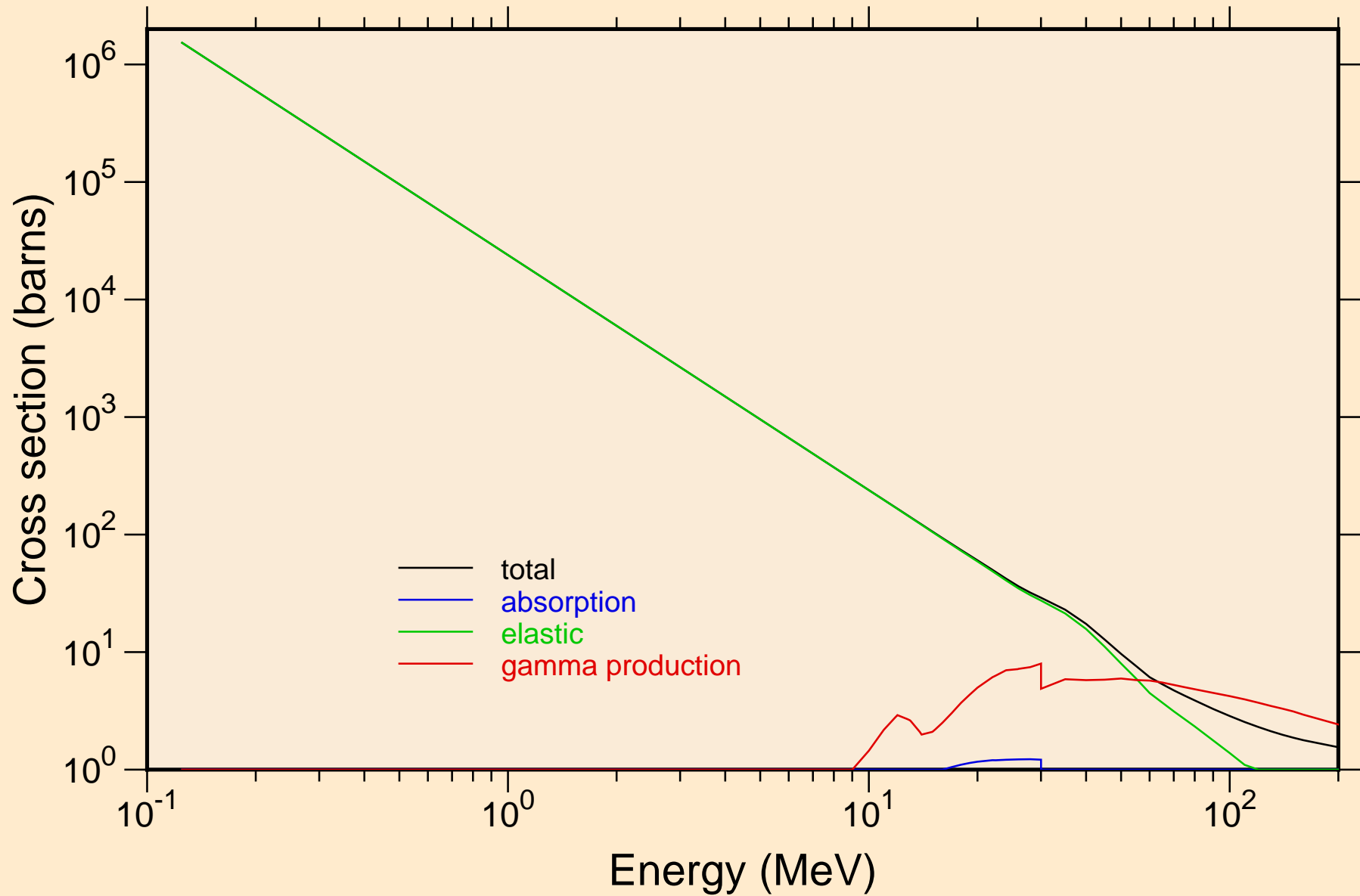


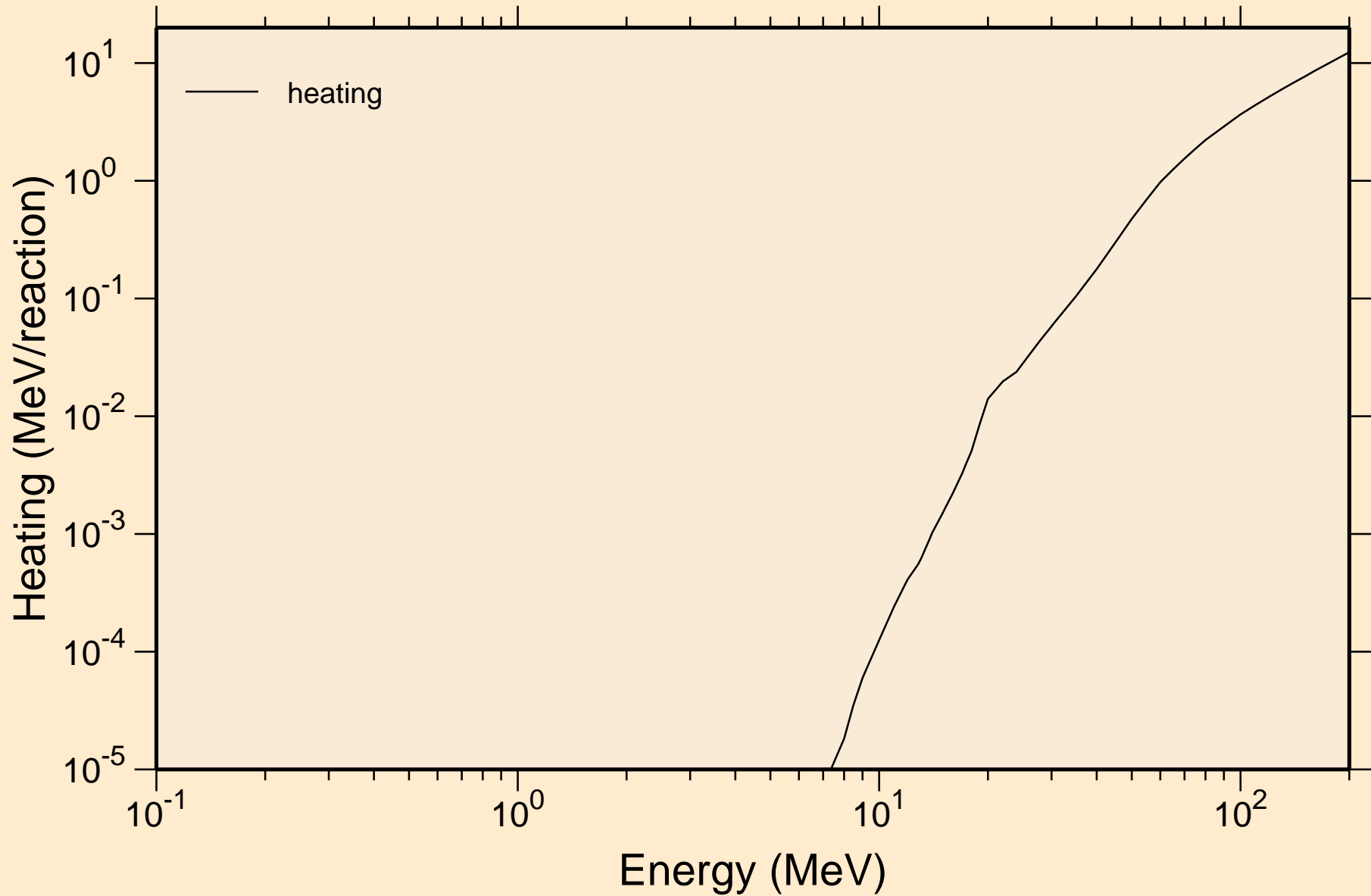
# SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



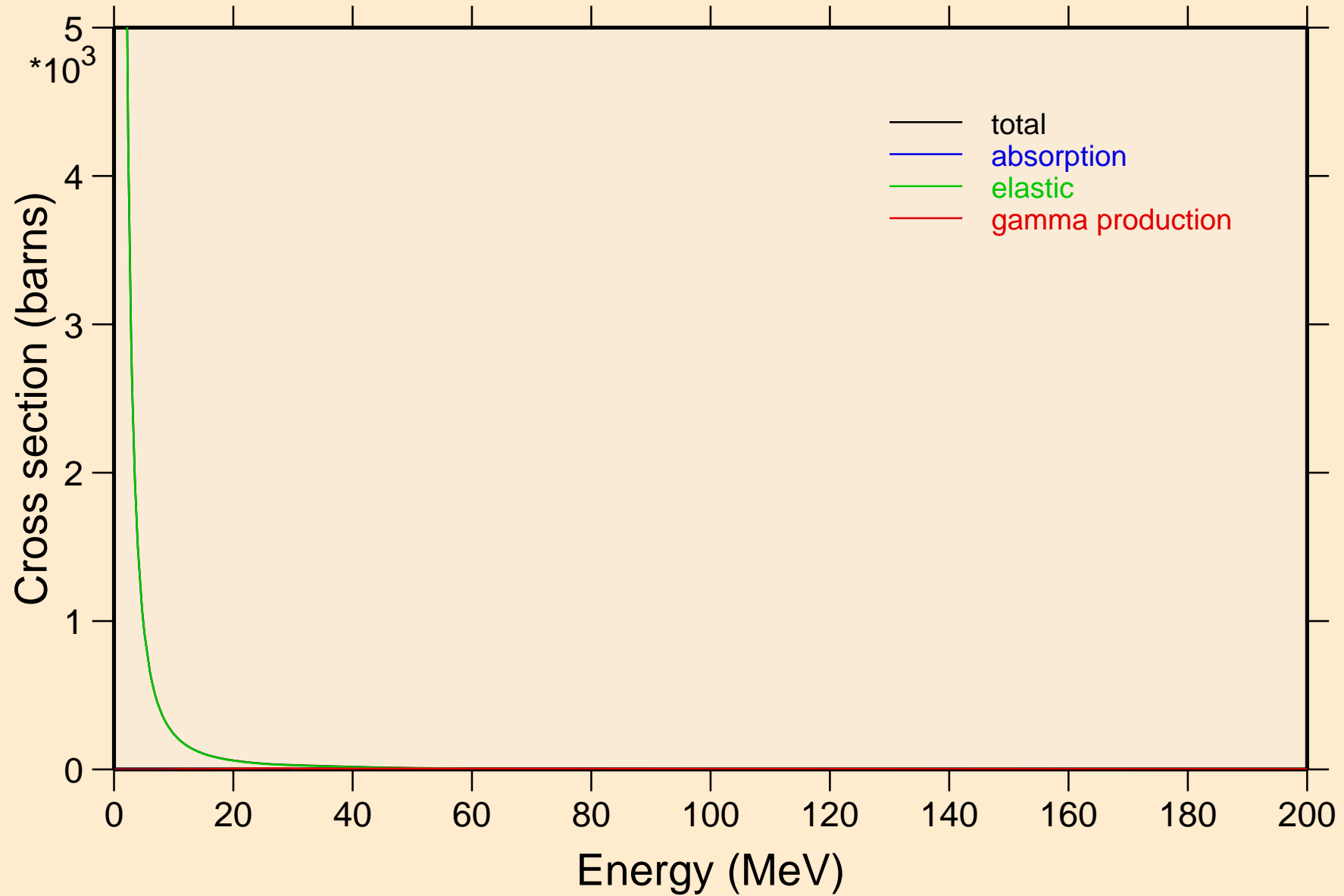
# SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



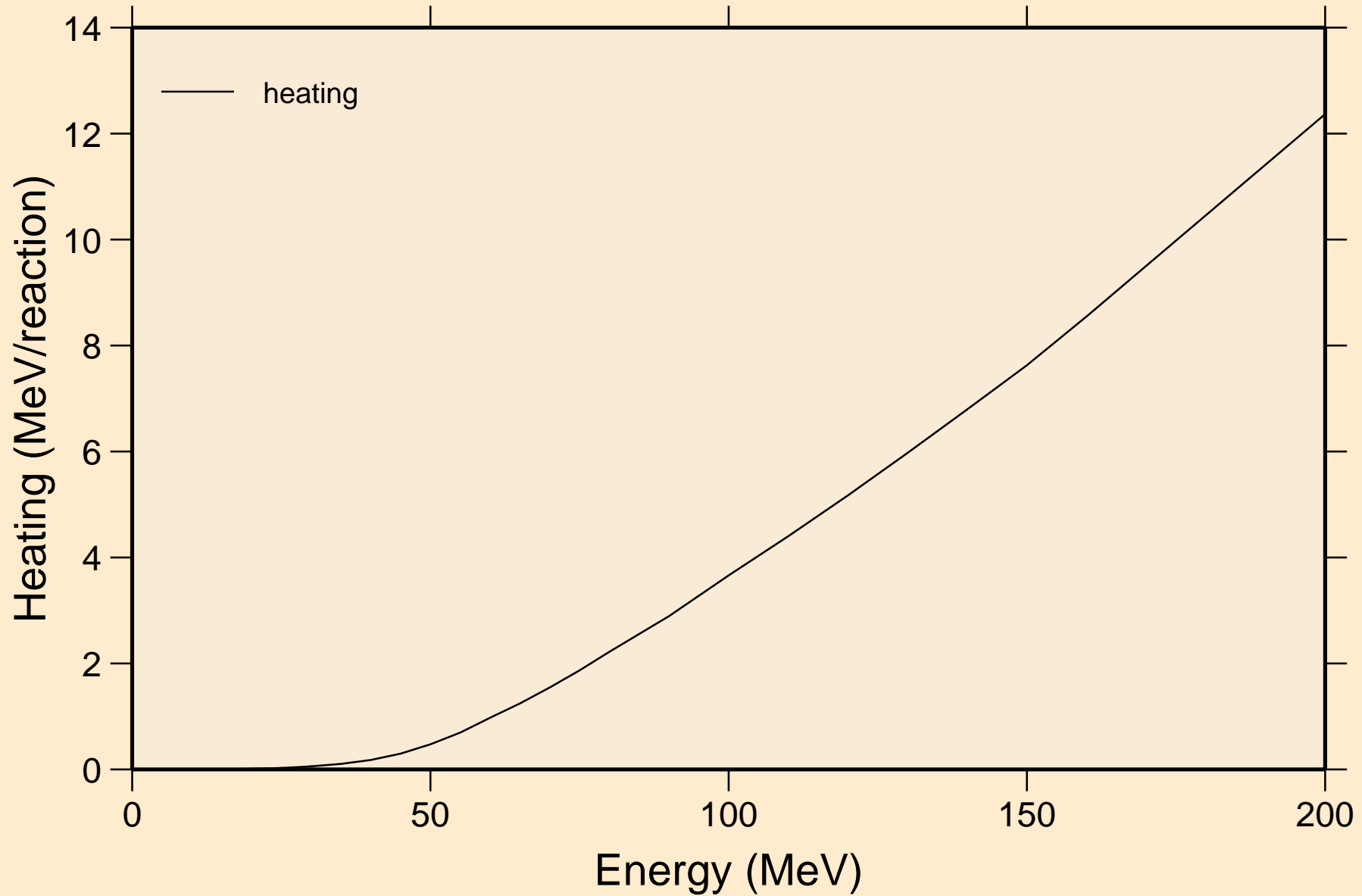
# SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

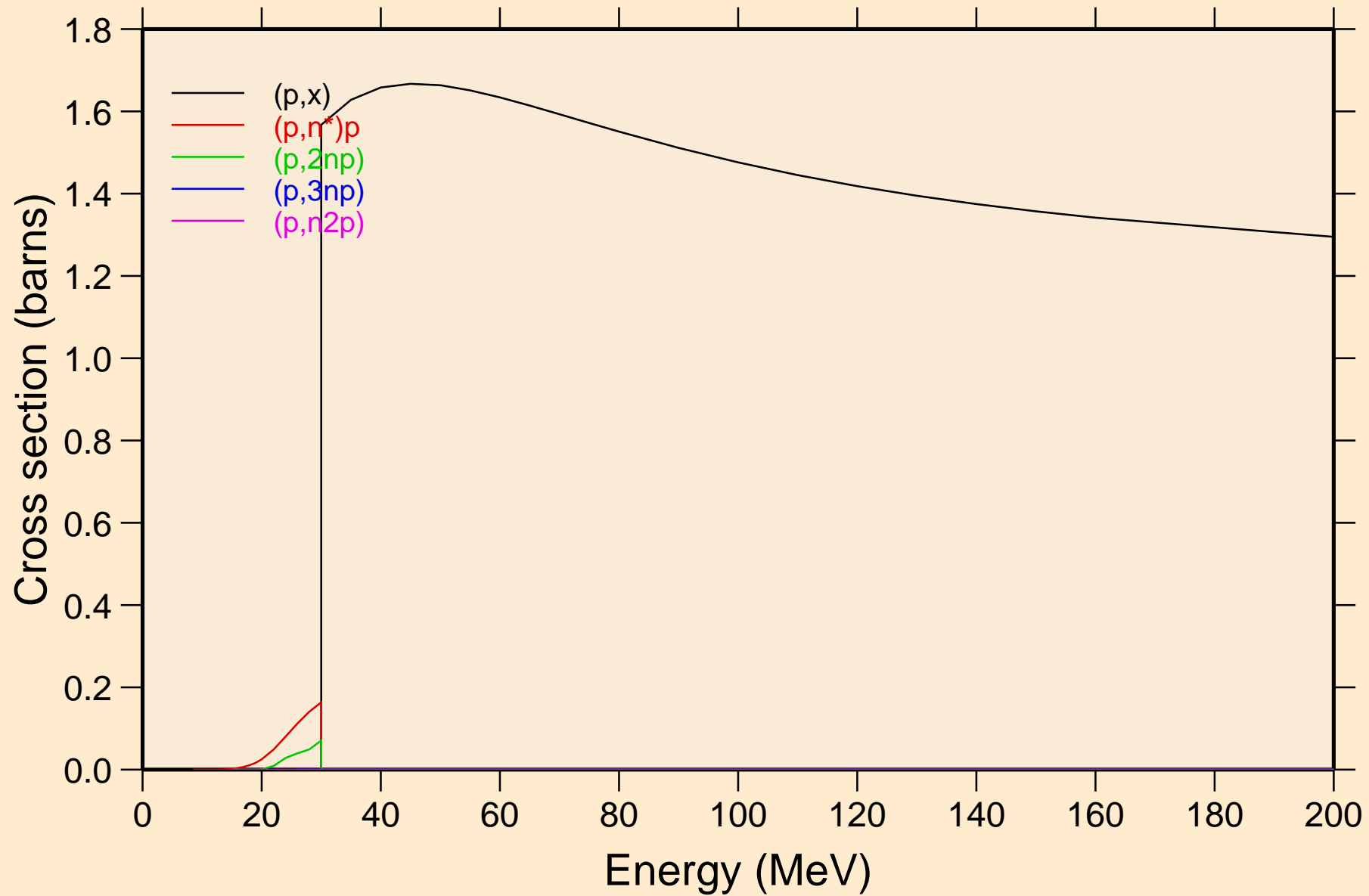


# SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

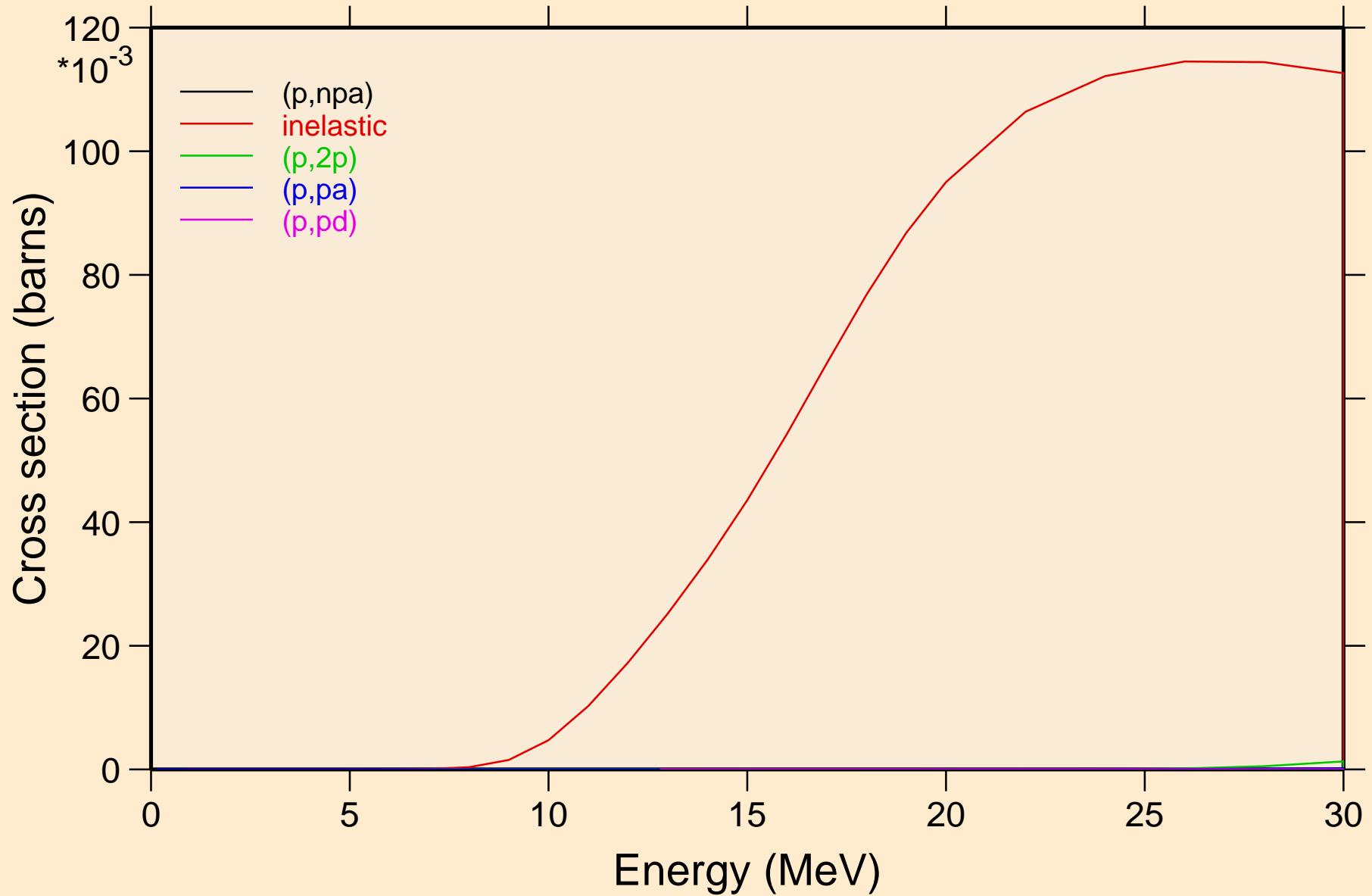


SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

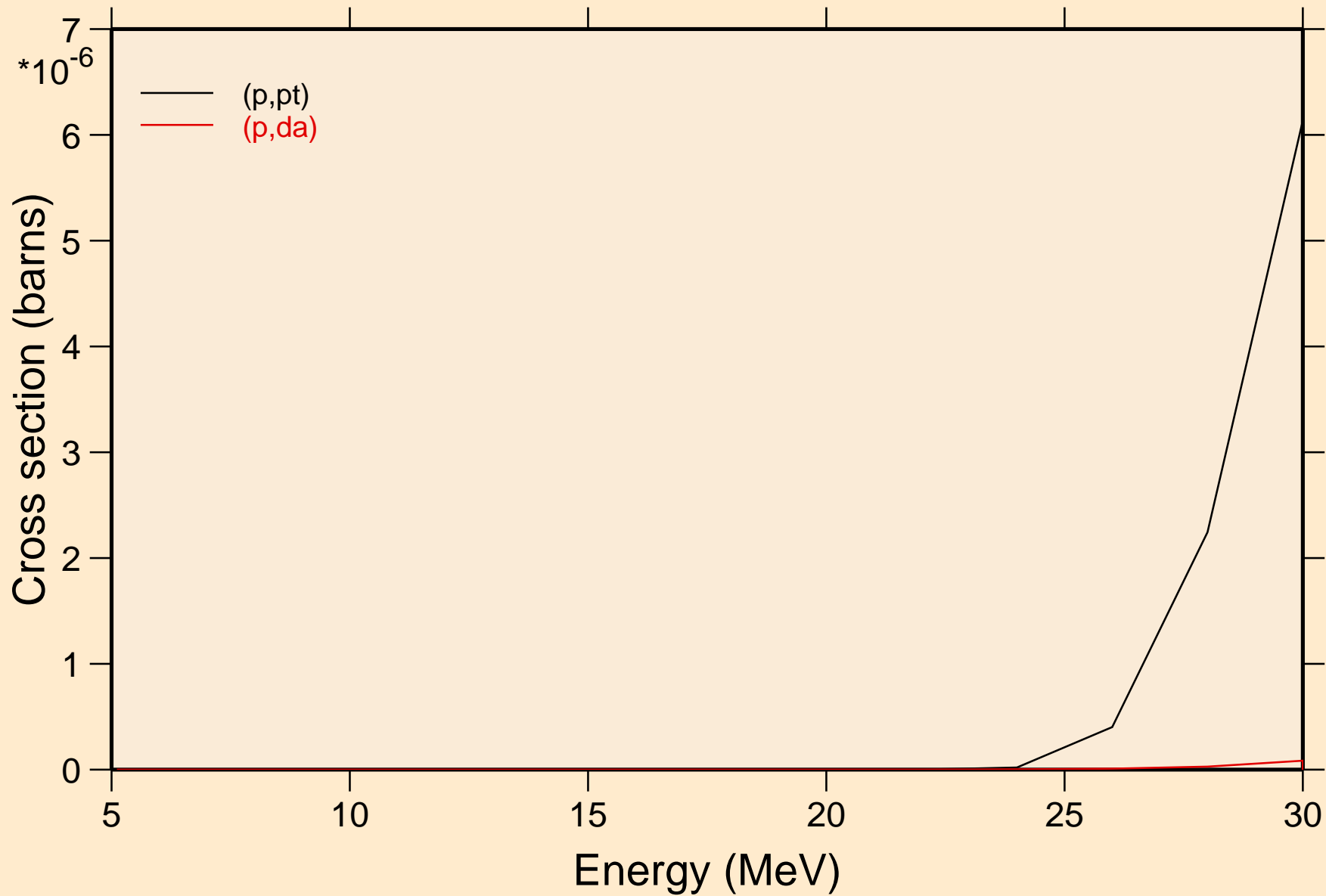


# SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K

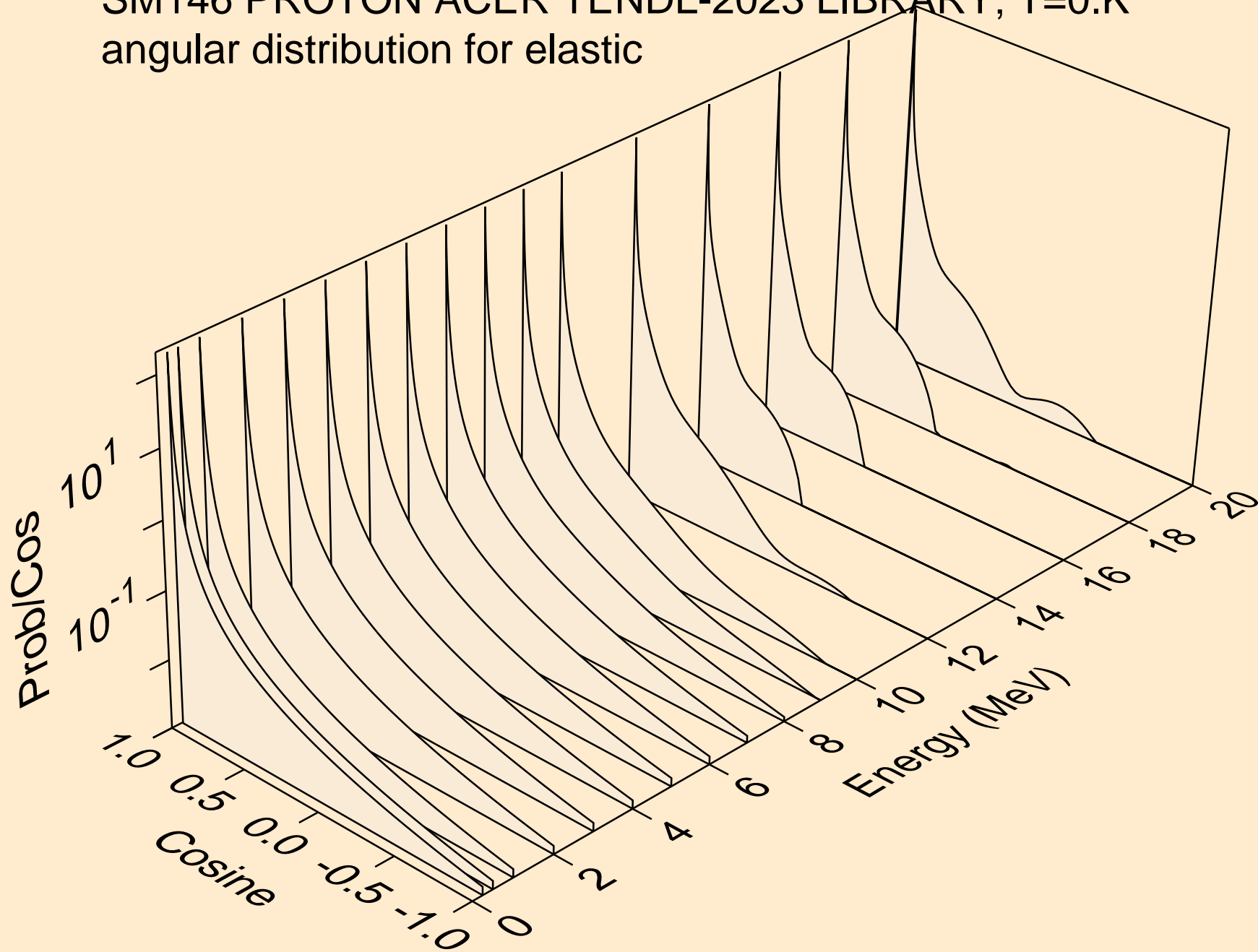
## Threshold reactions



SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

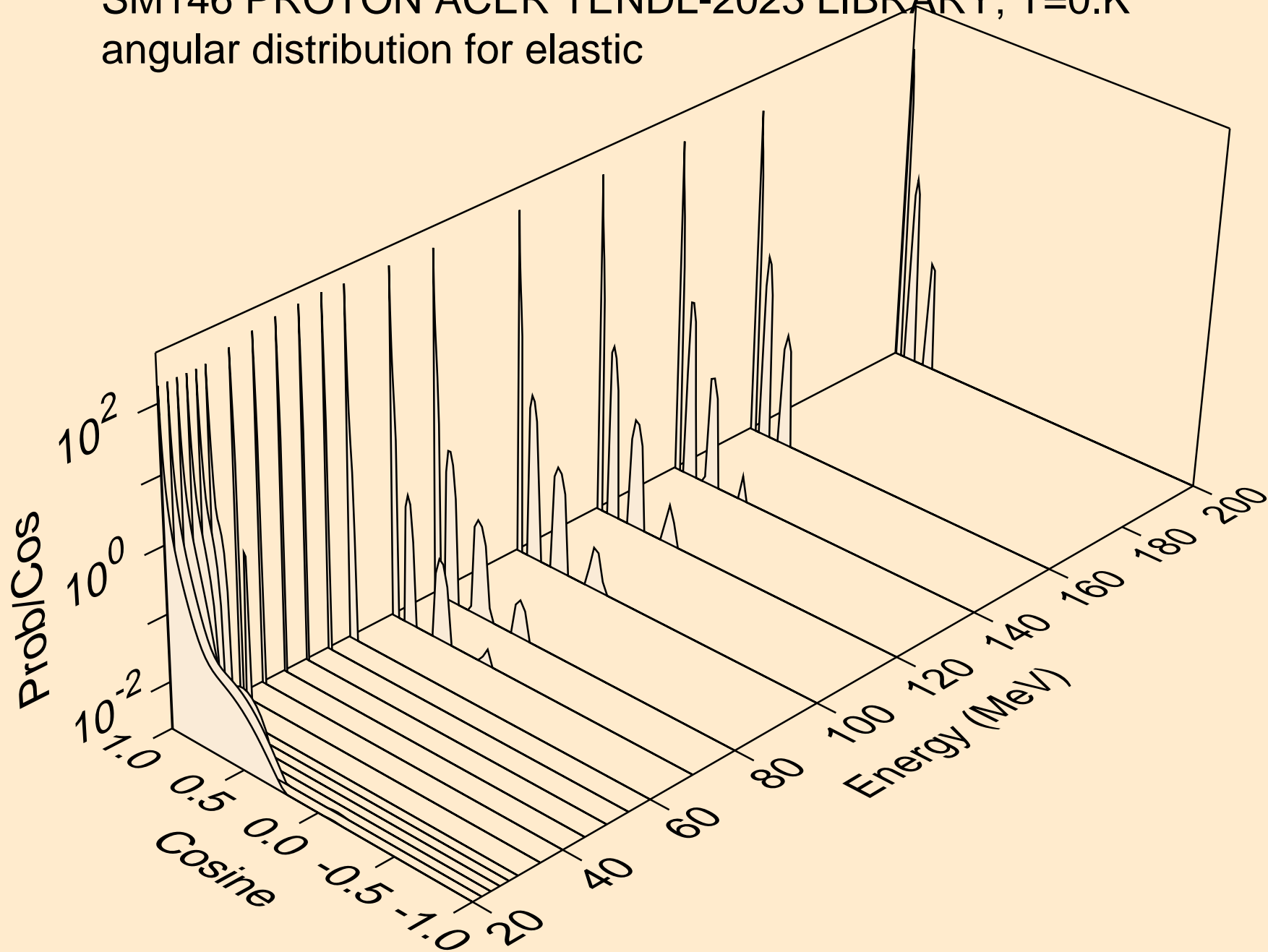


SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

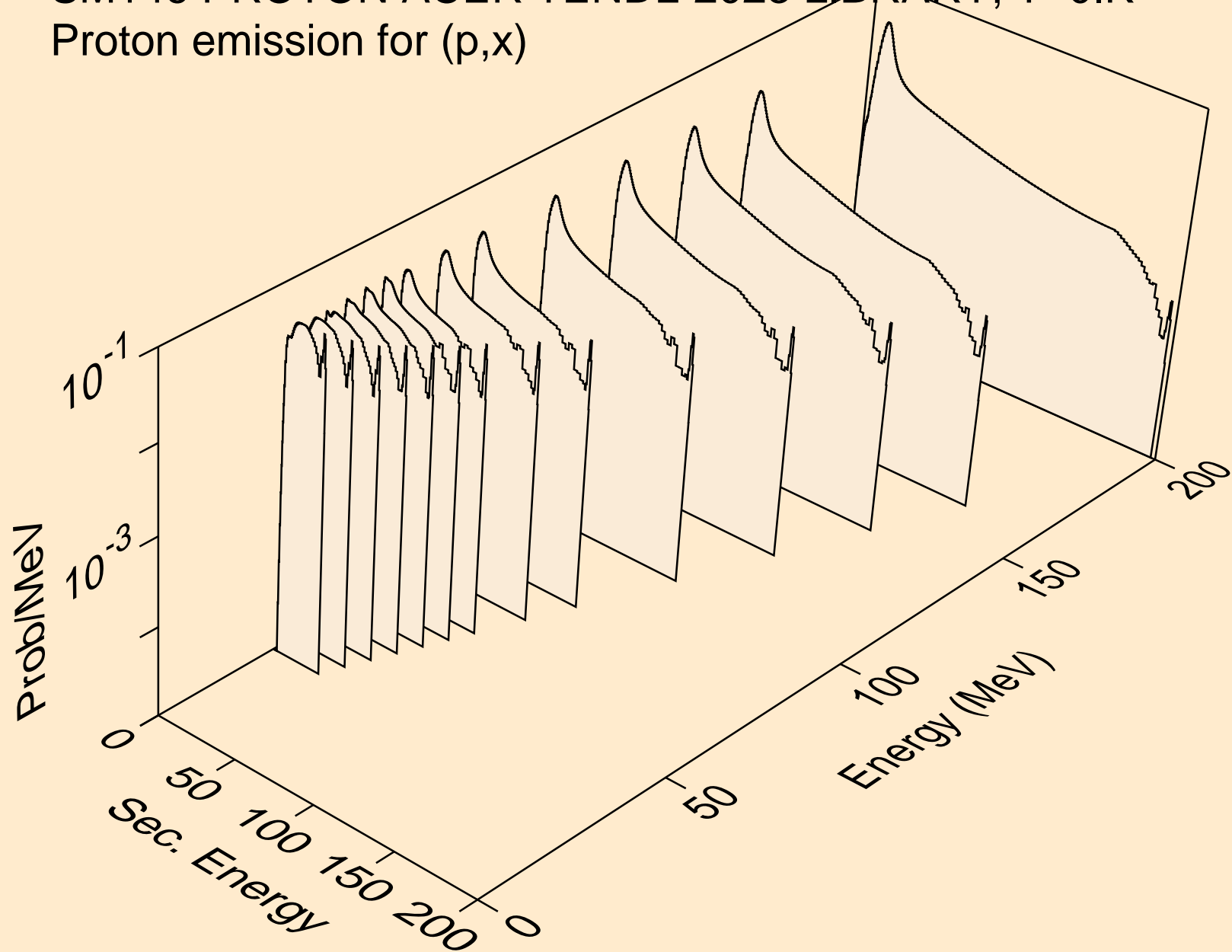




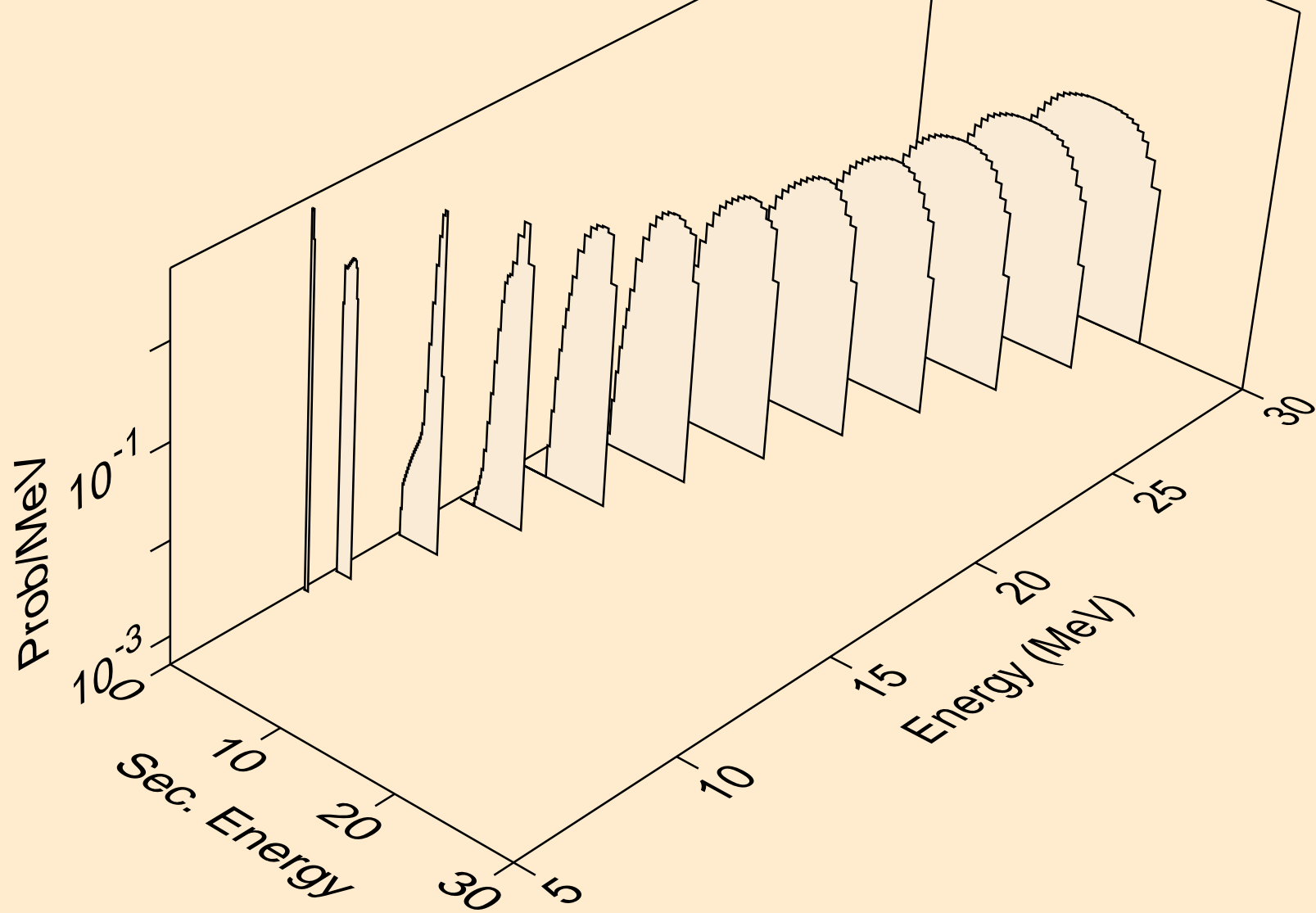
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



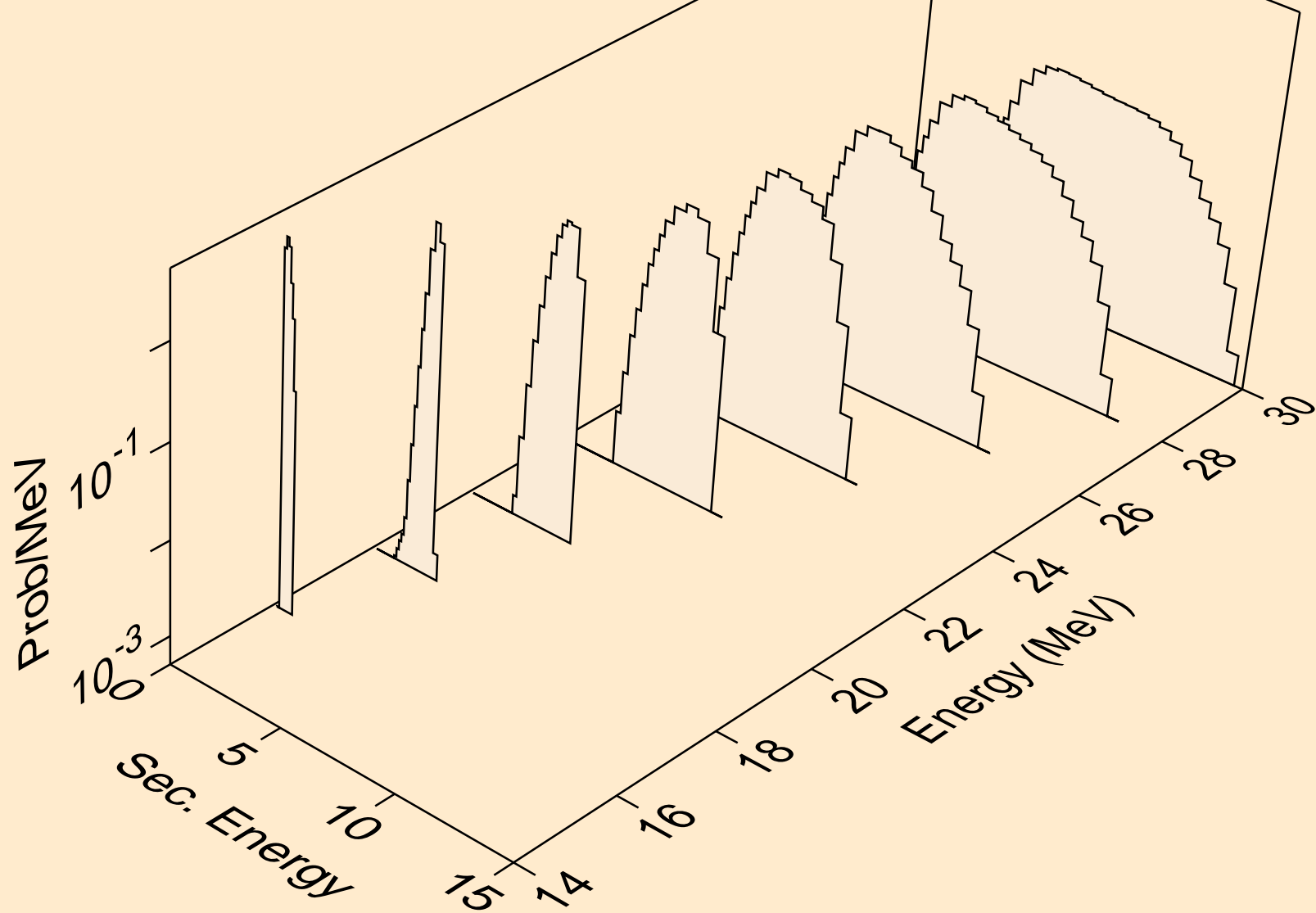
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



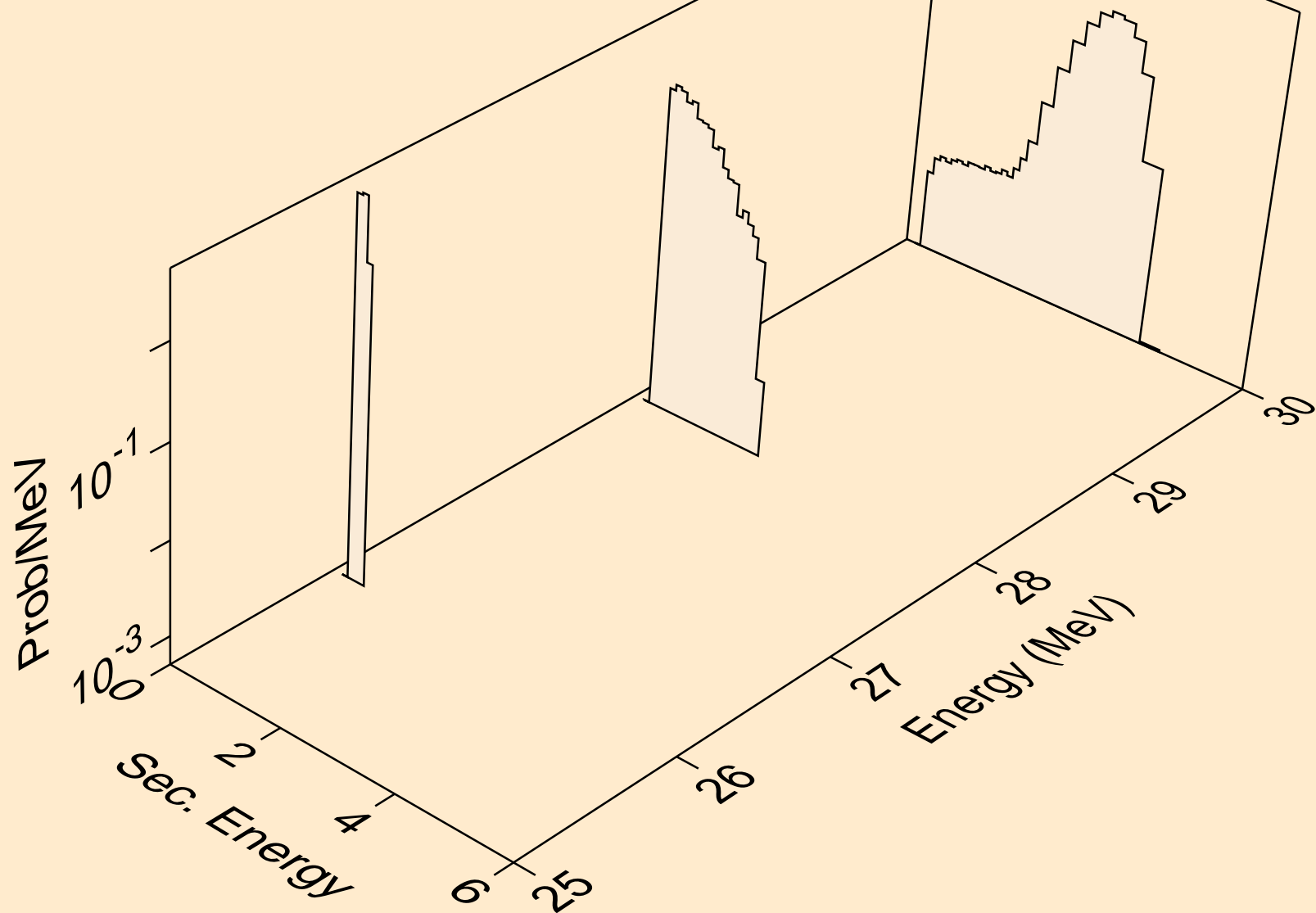
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



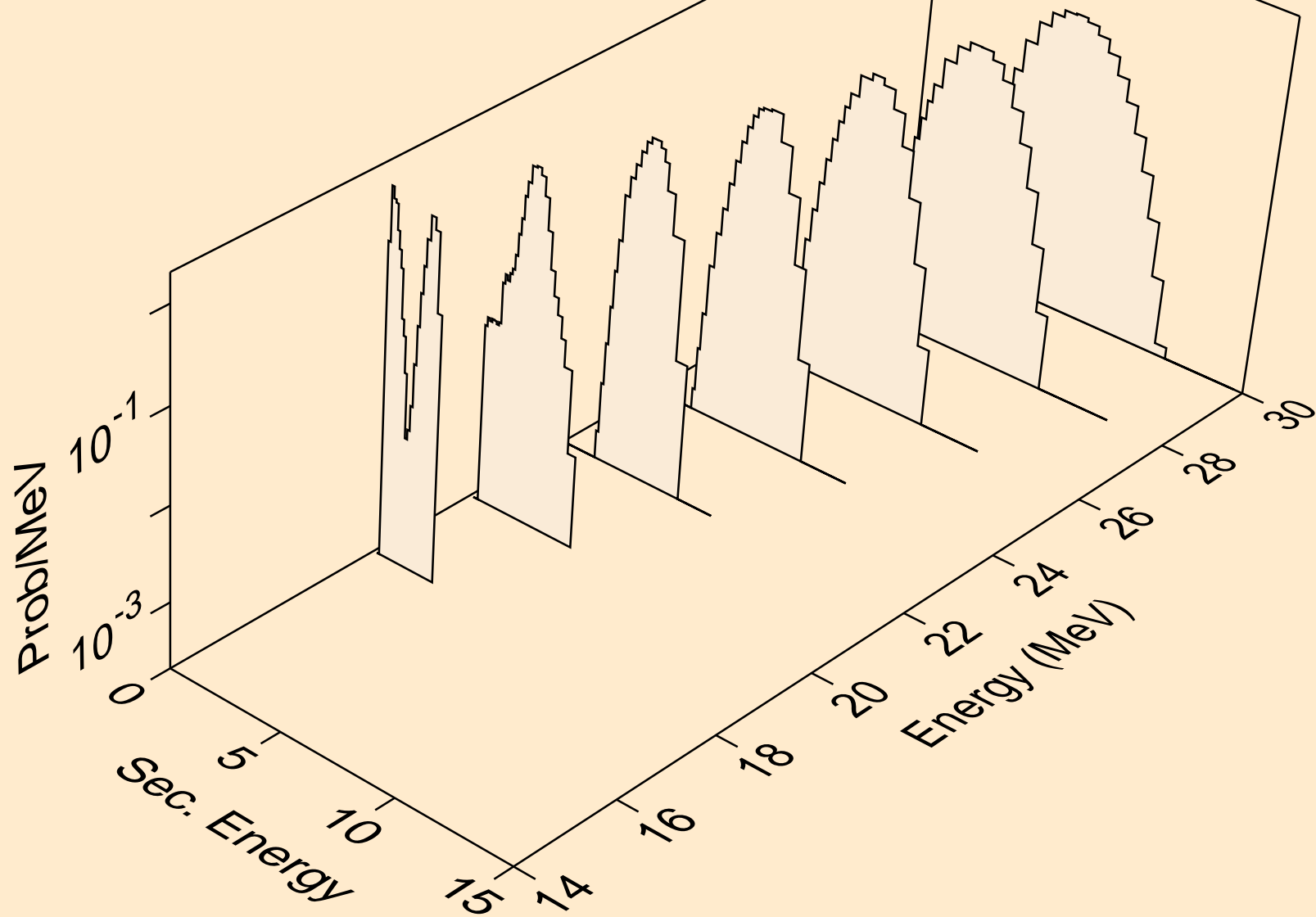
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



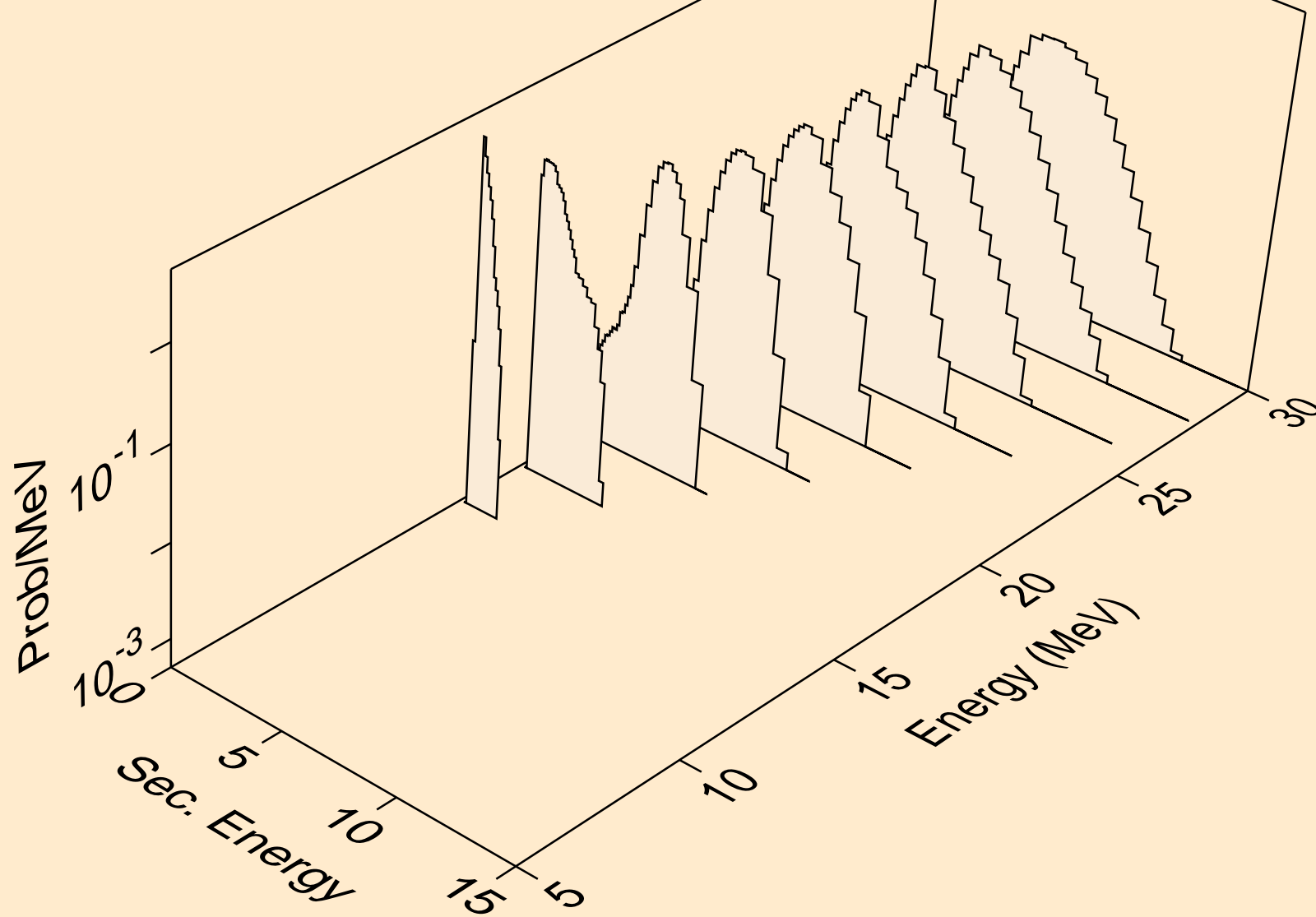
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,3np)



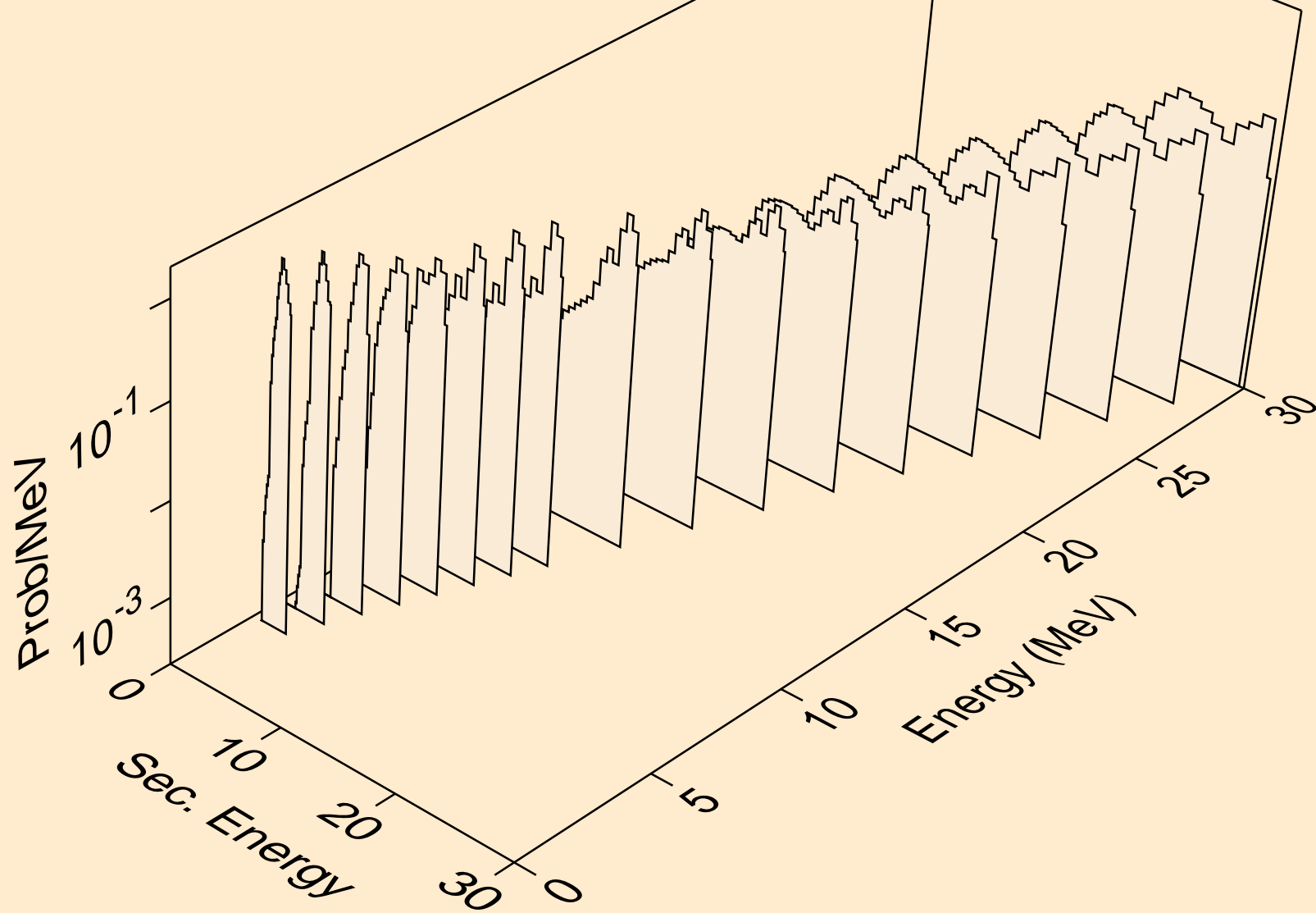
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)



SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,npa)

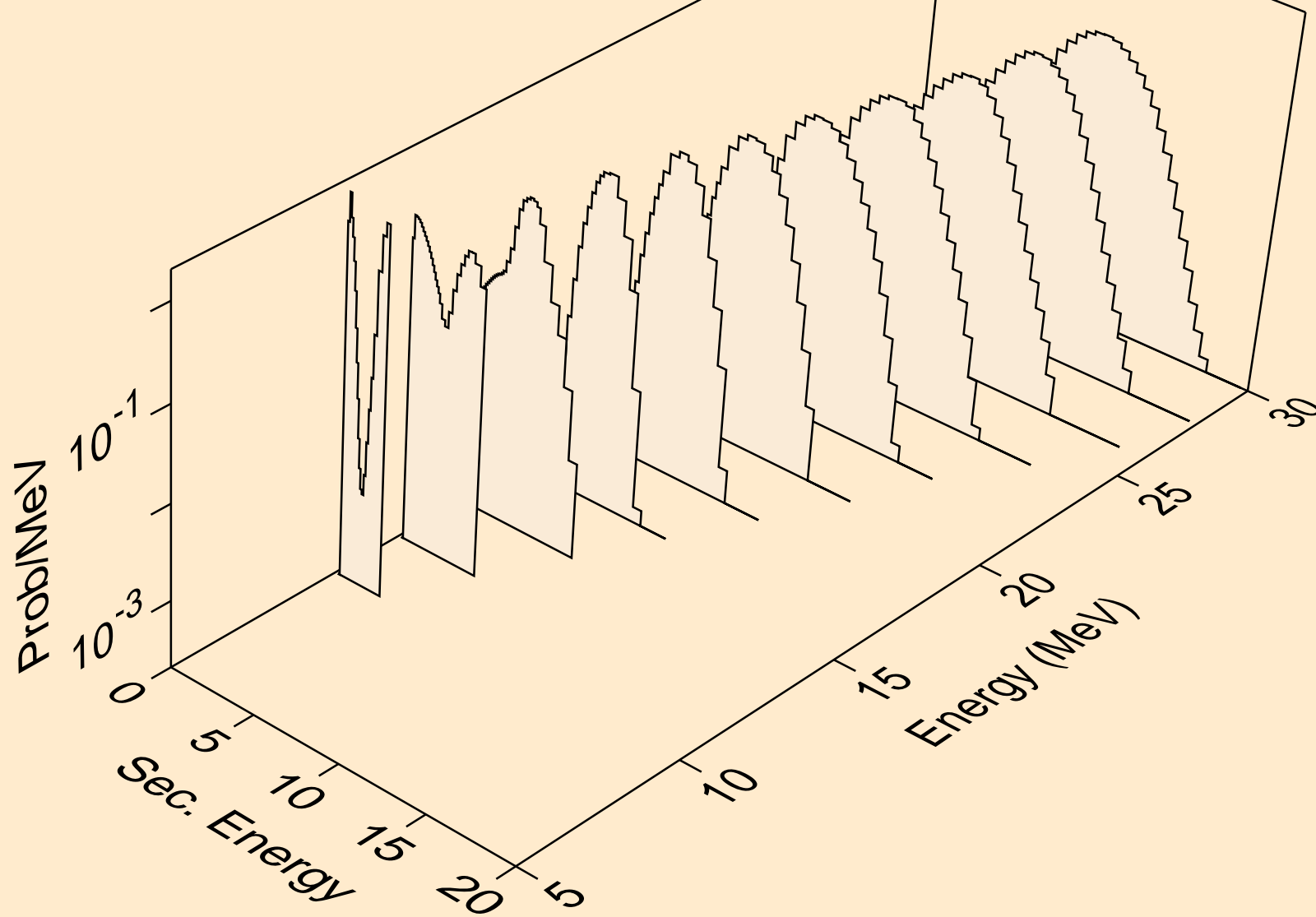


SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

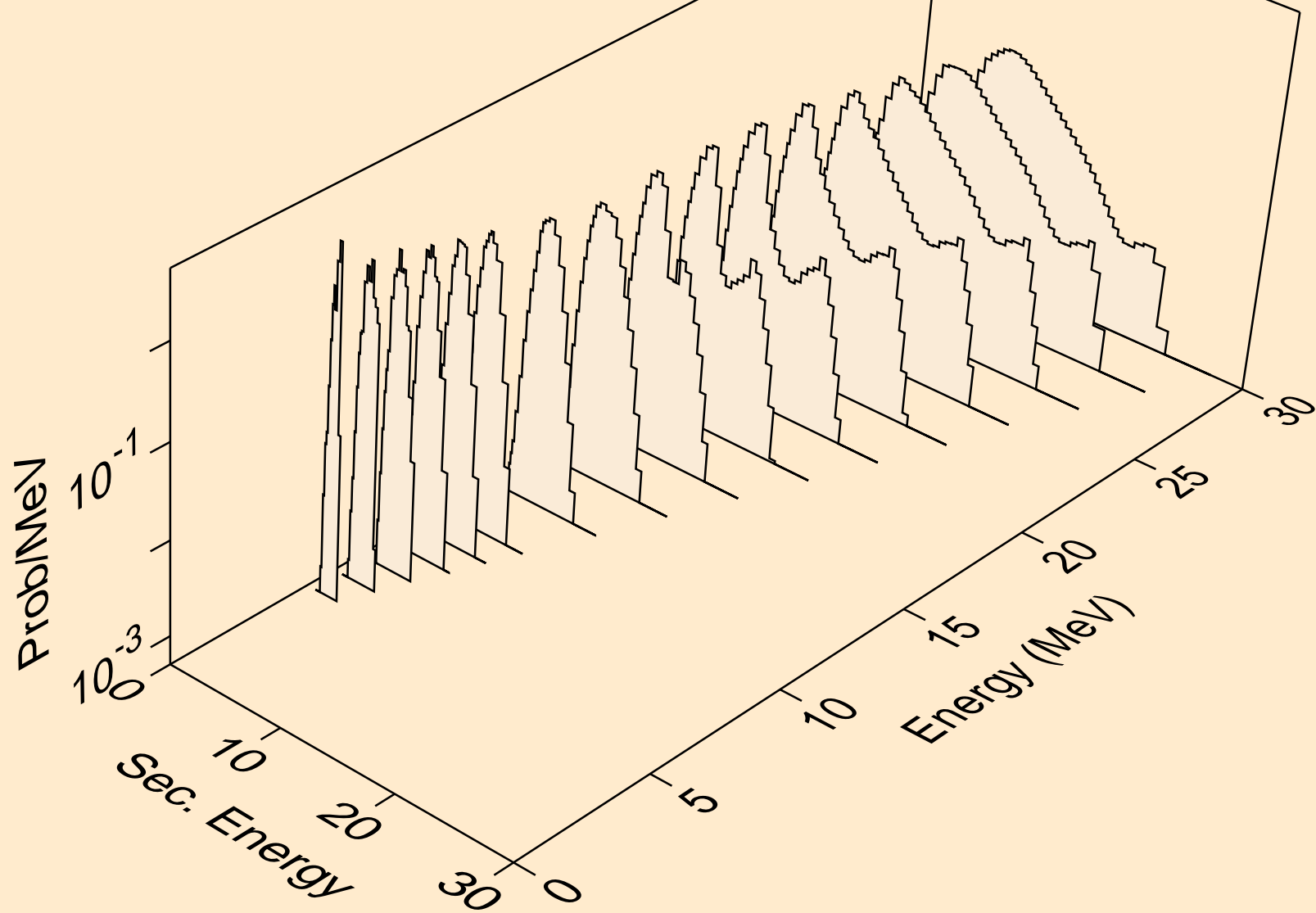




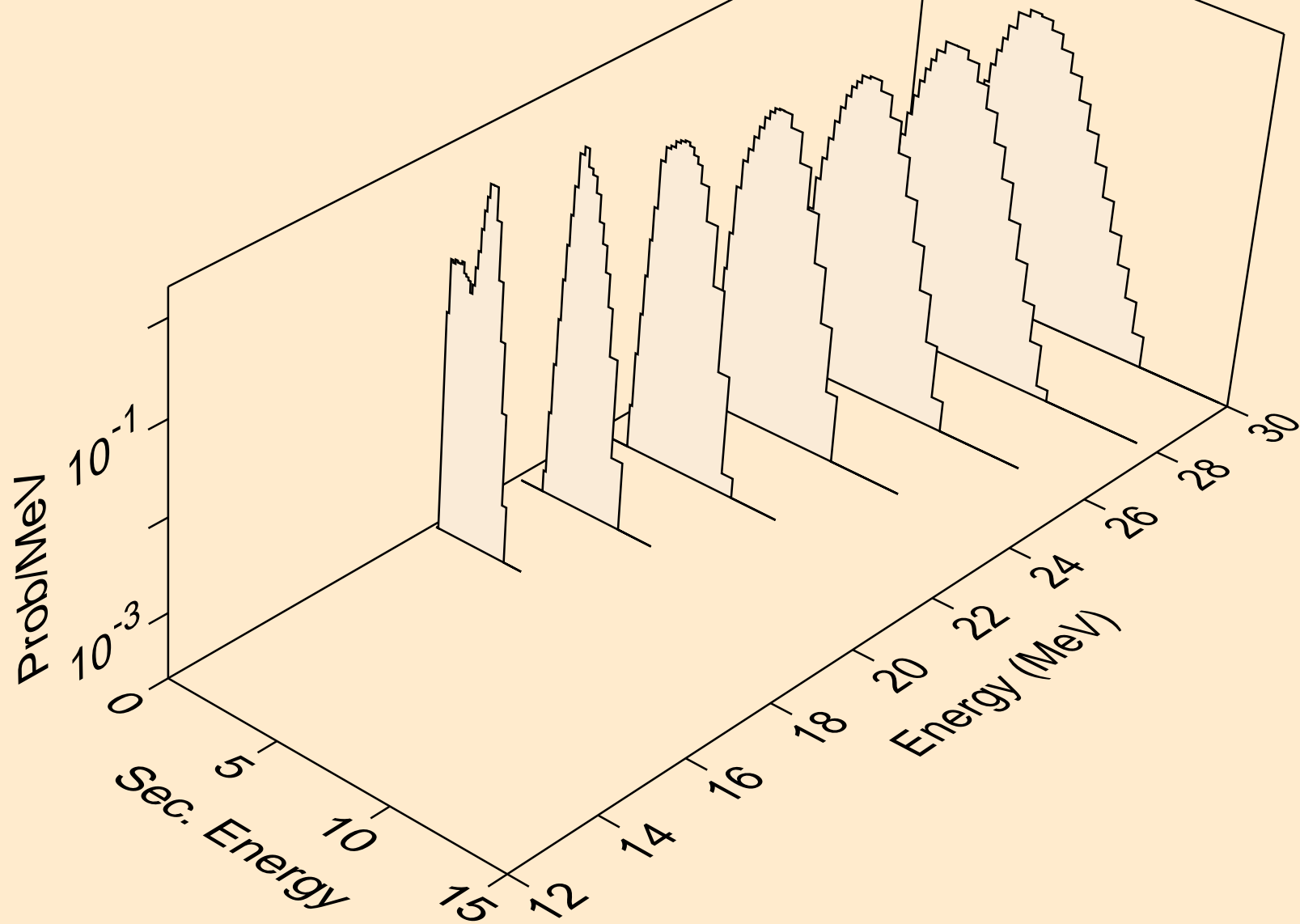
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2p)



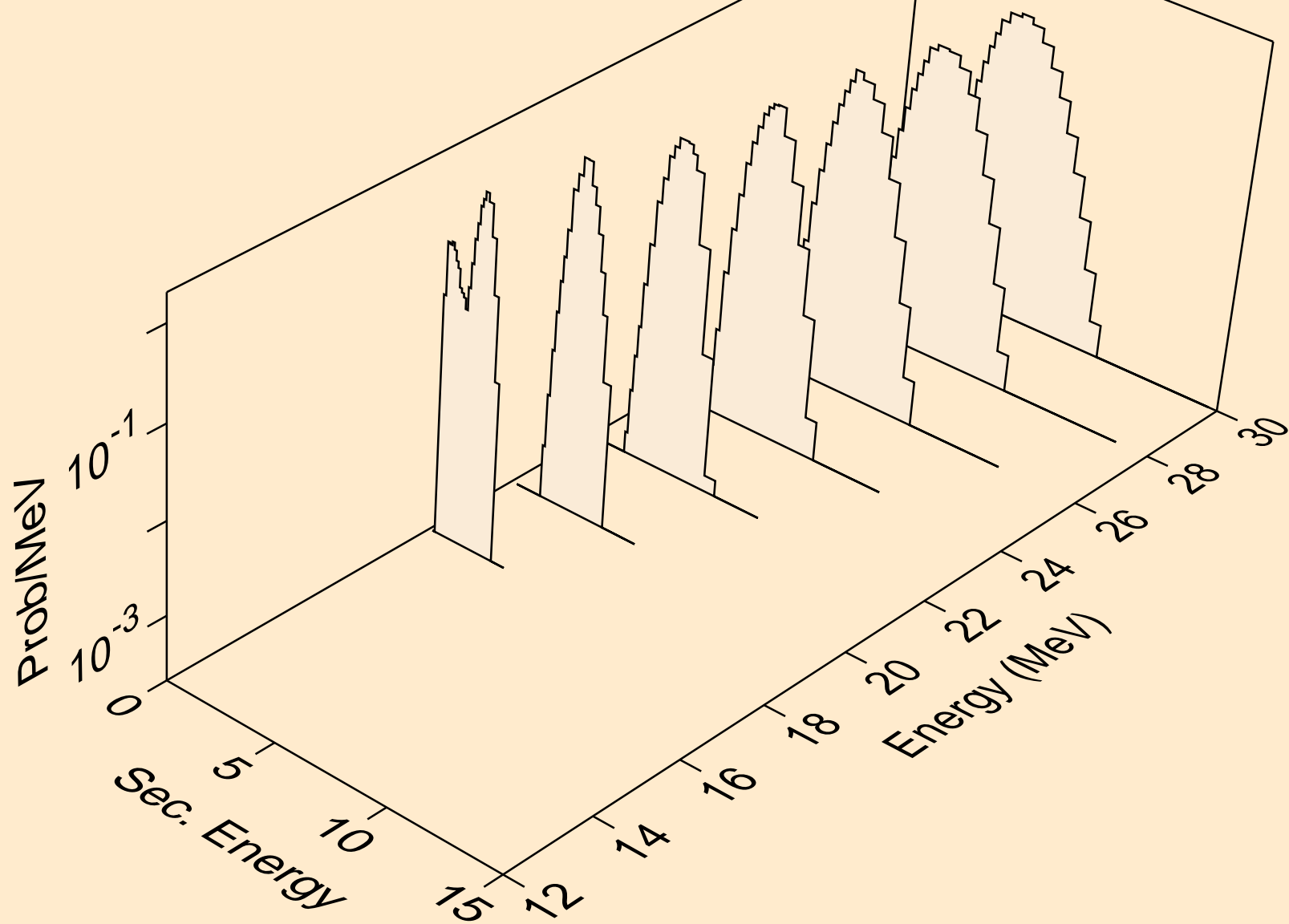
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pa)



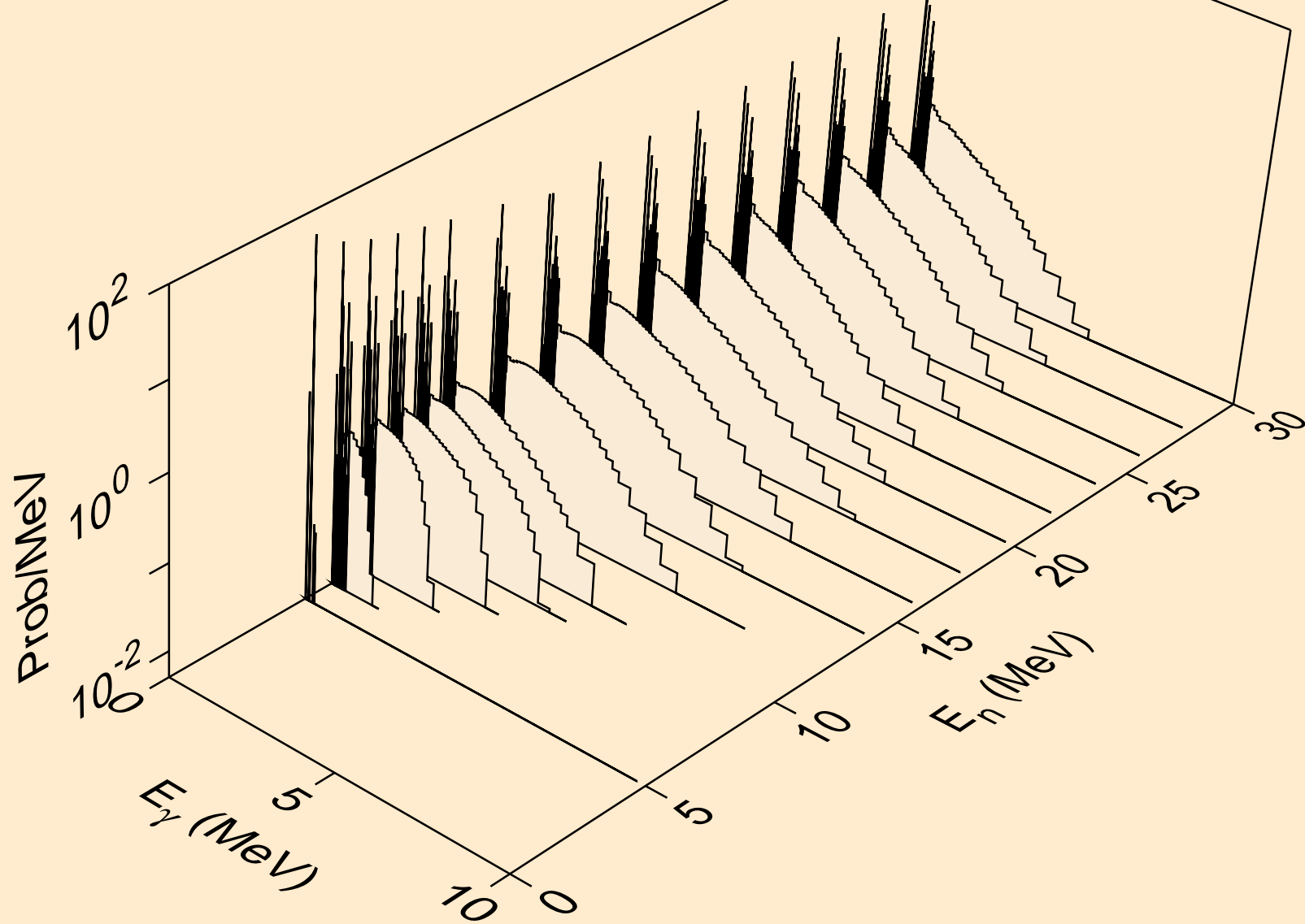
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pd)



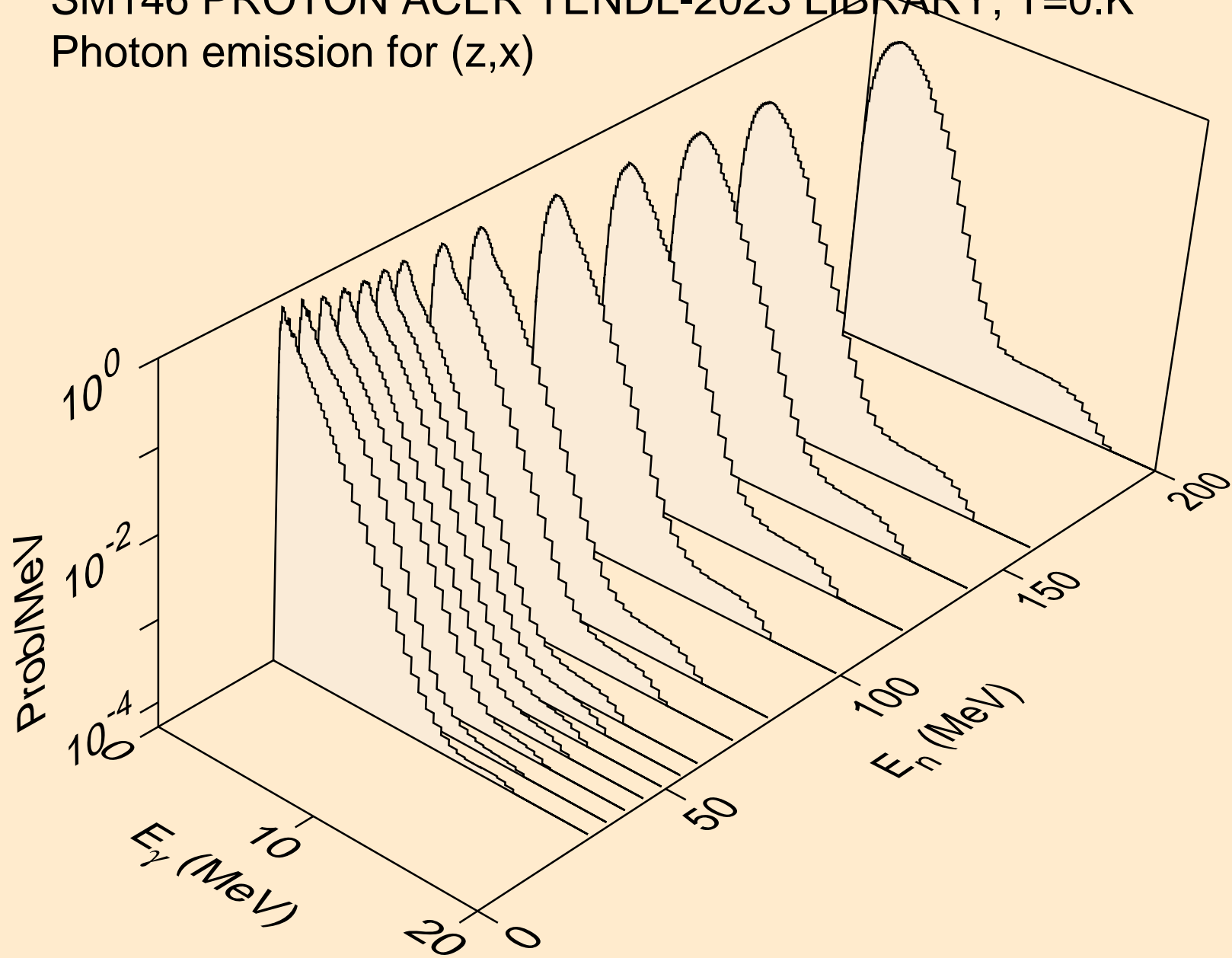
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pt)



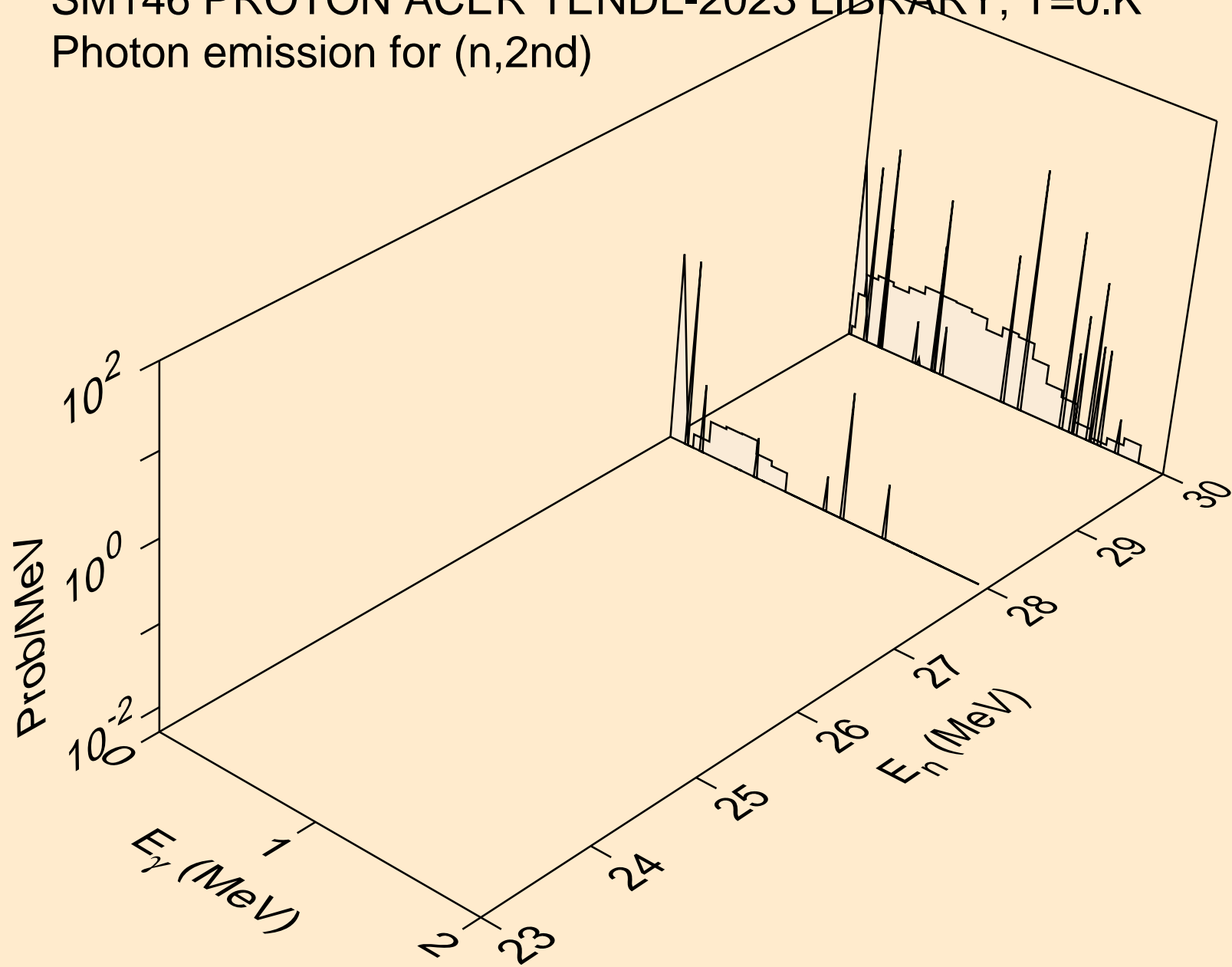
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



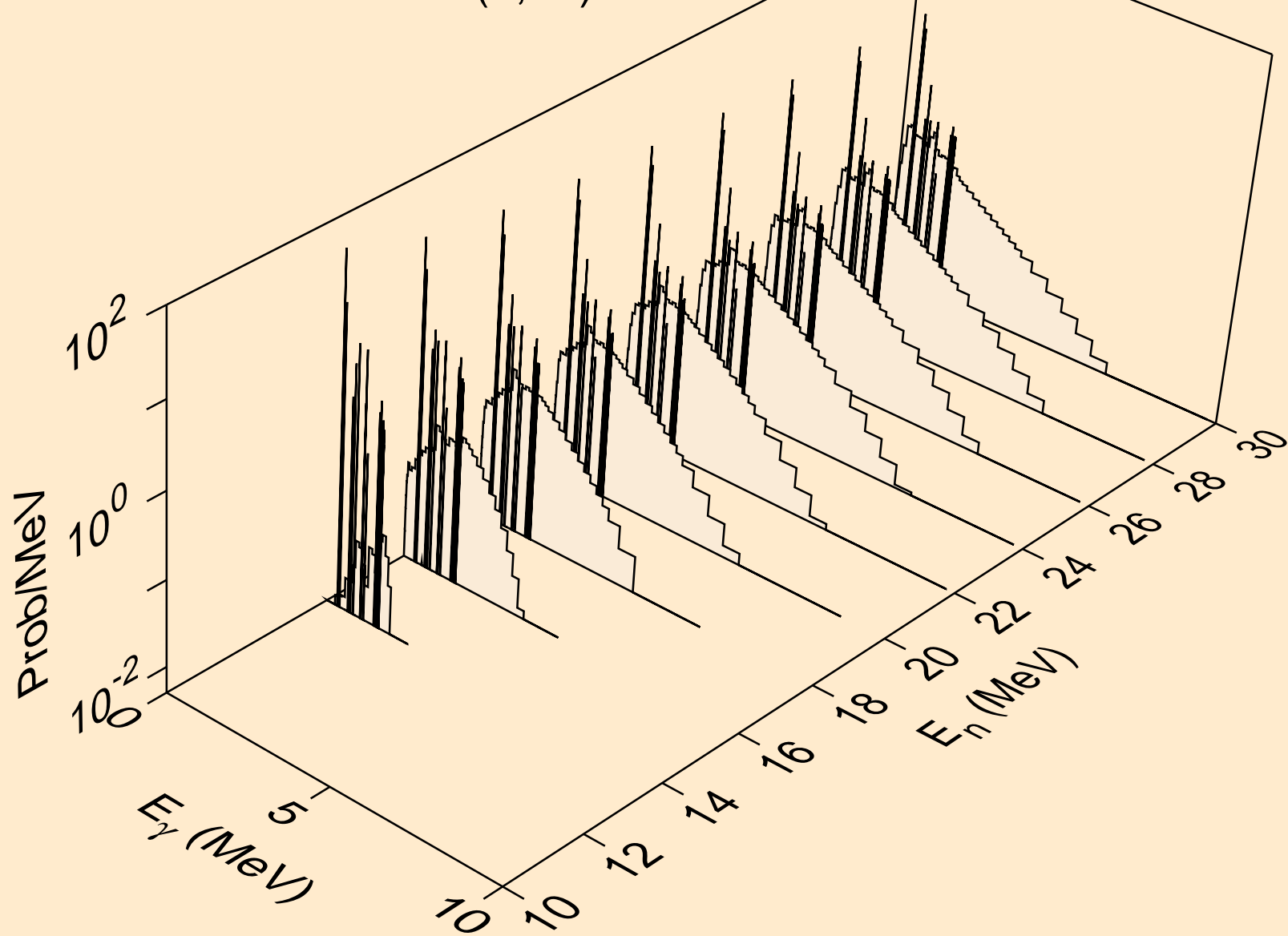
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)

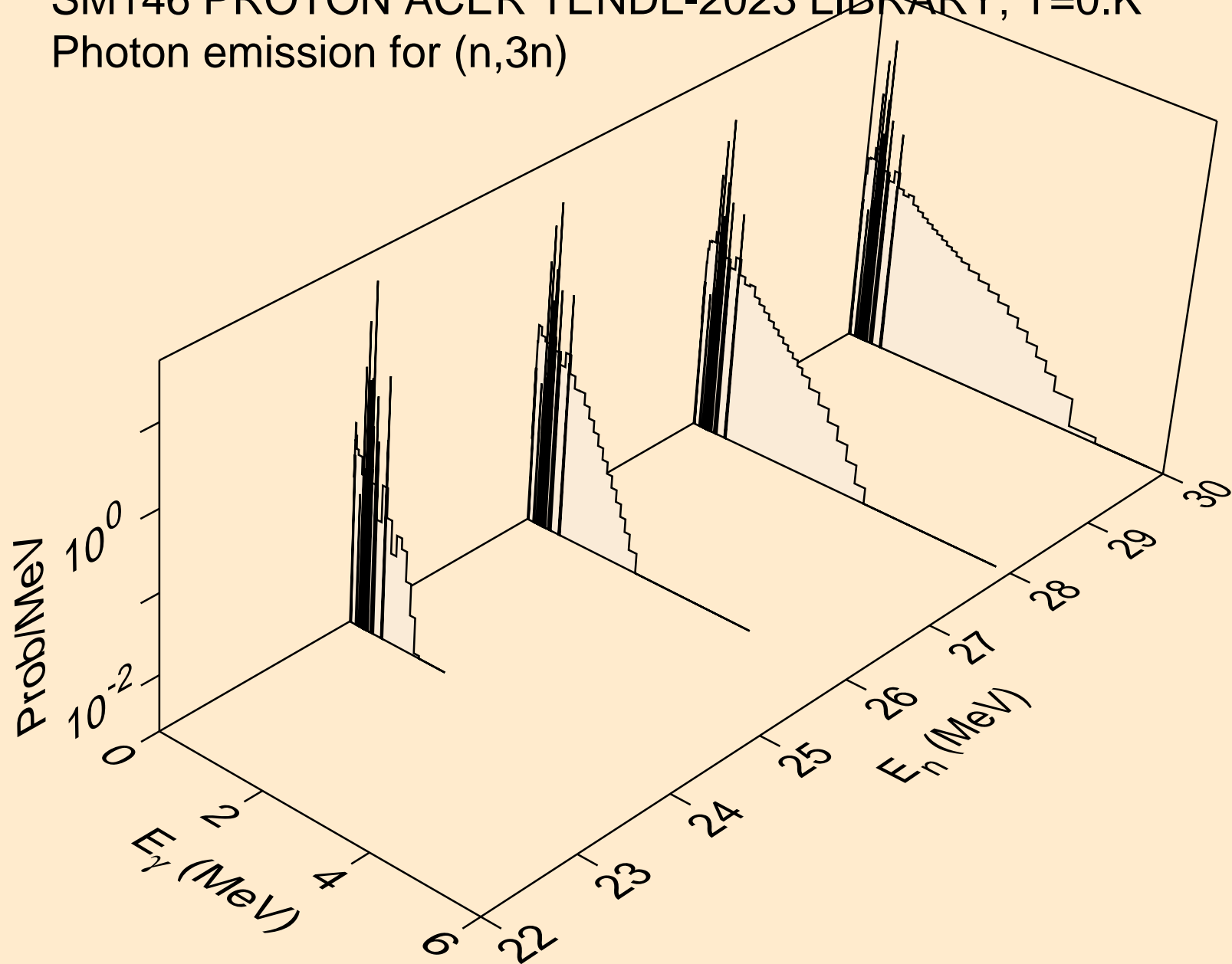


SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

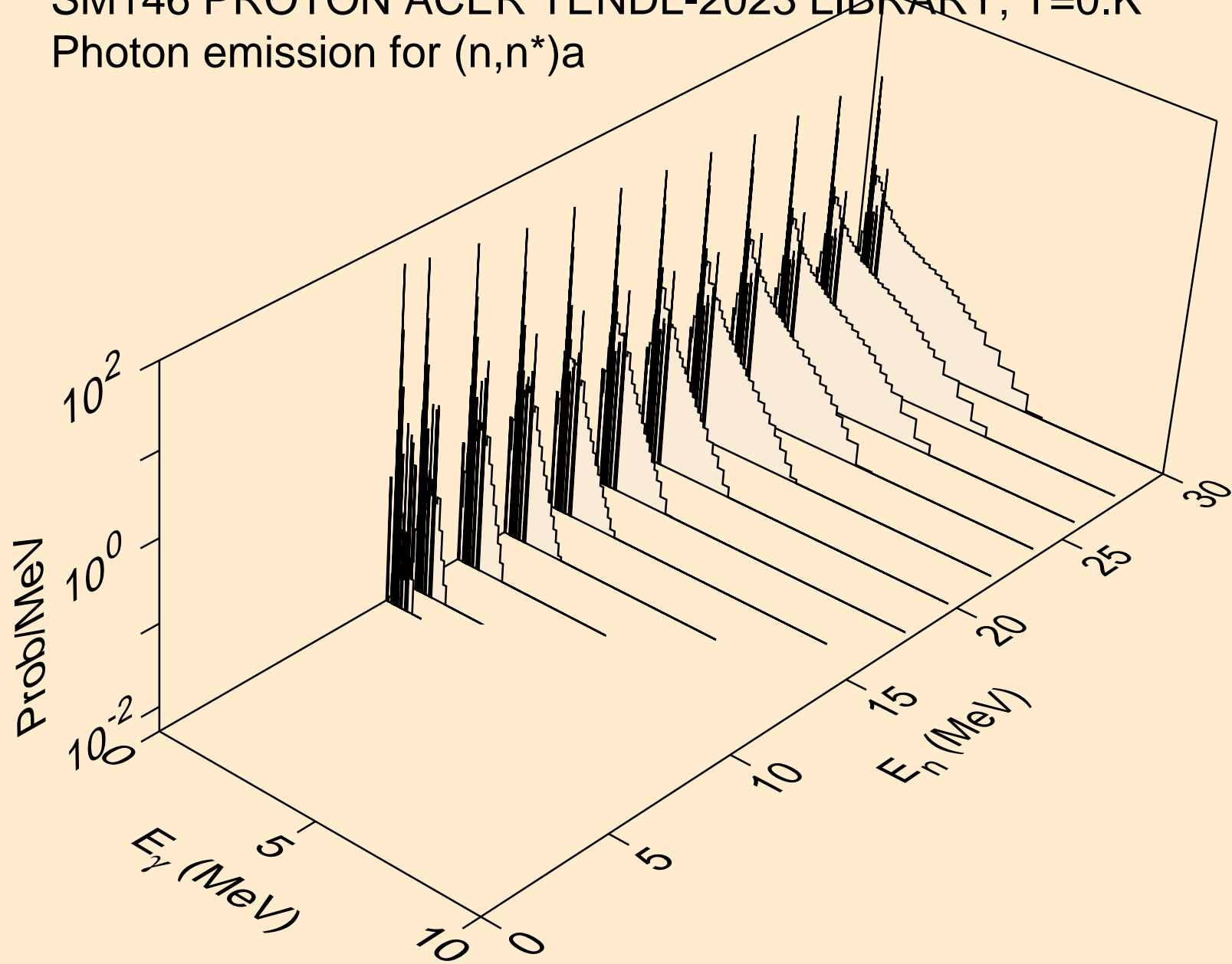




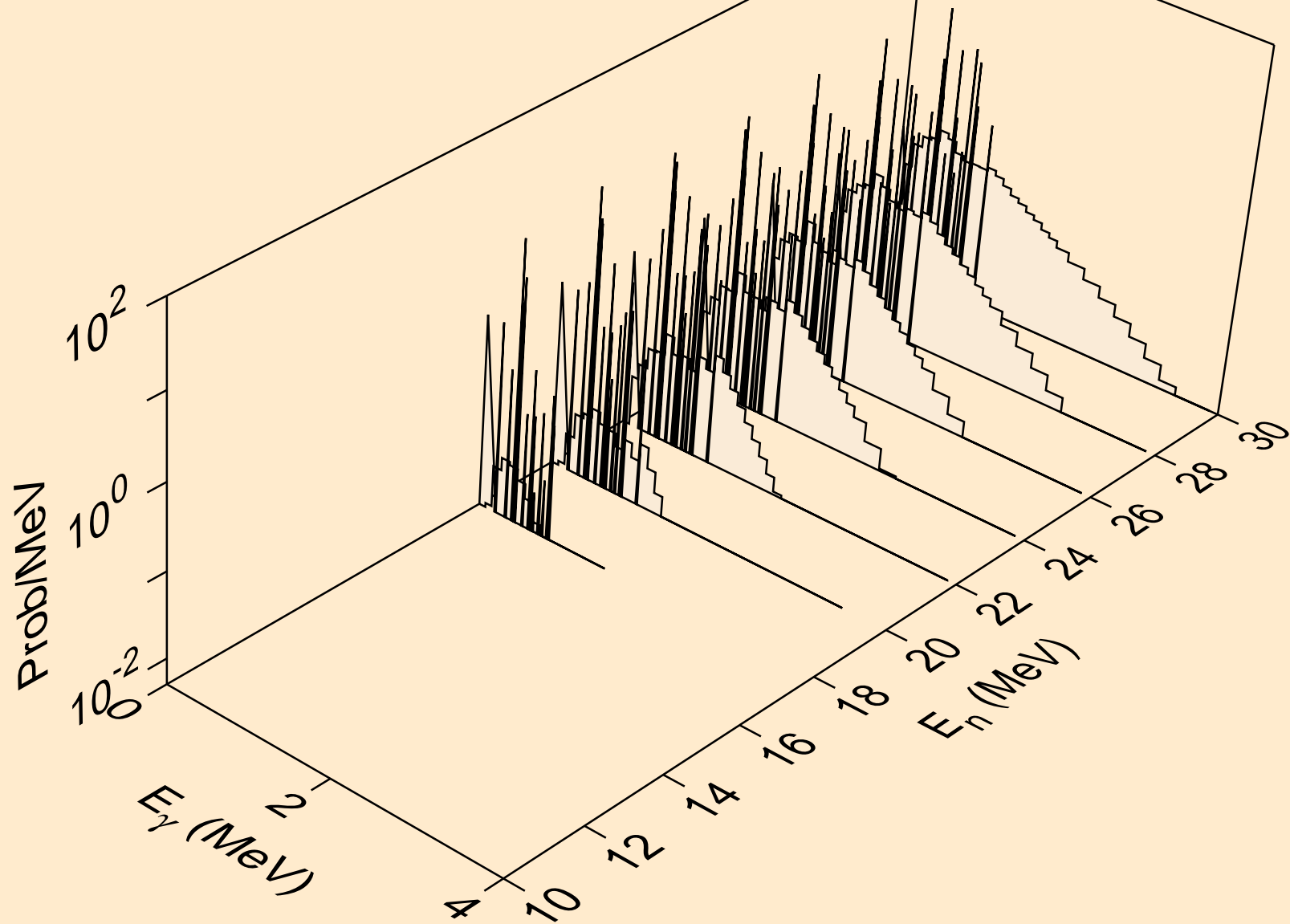
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Photon emission for (n,3n)



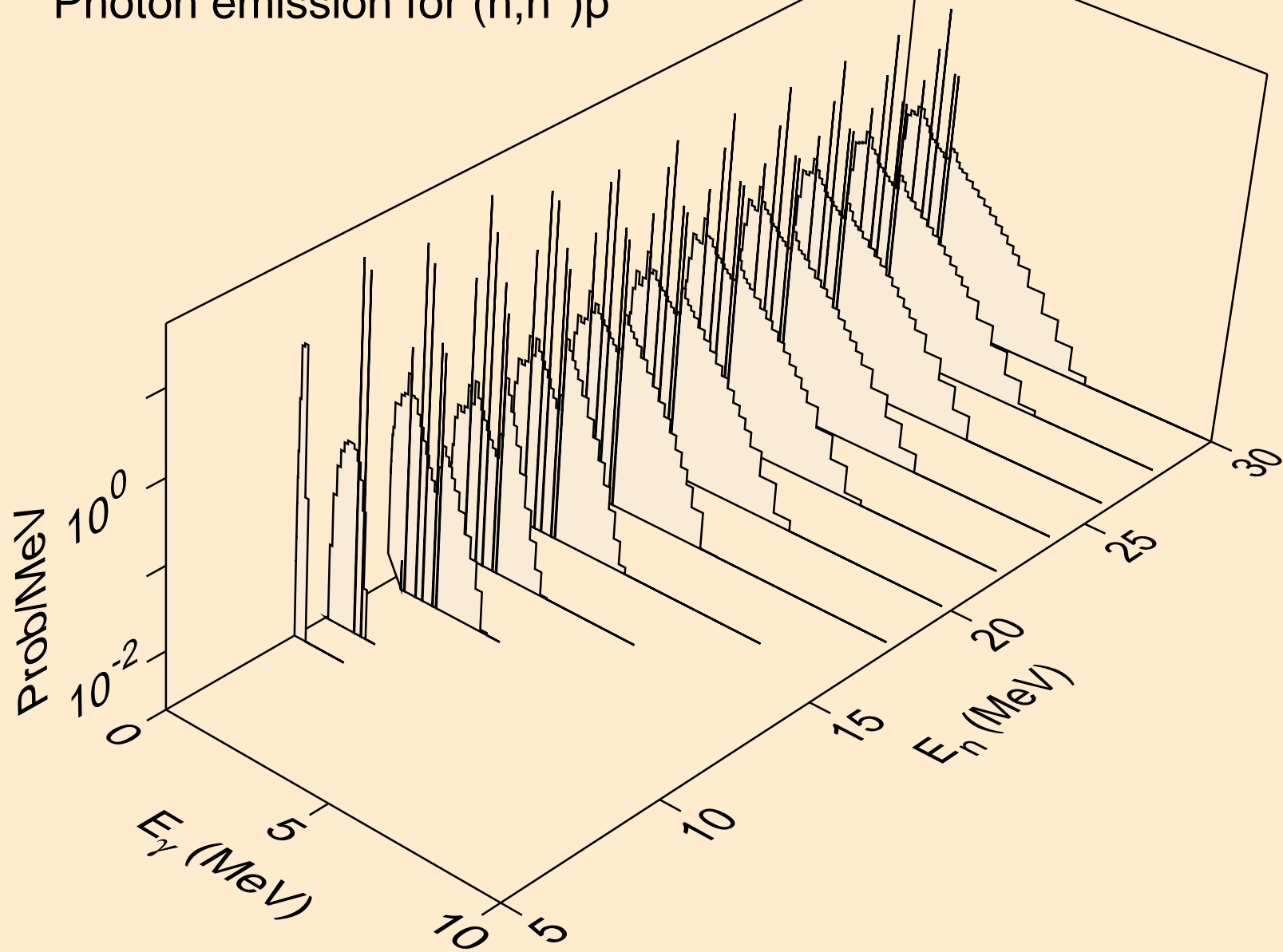
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



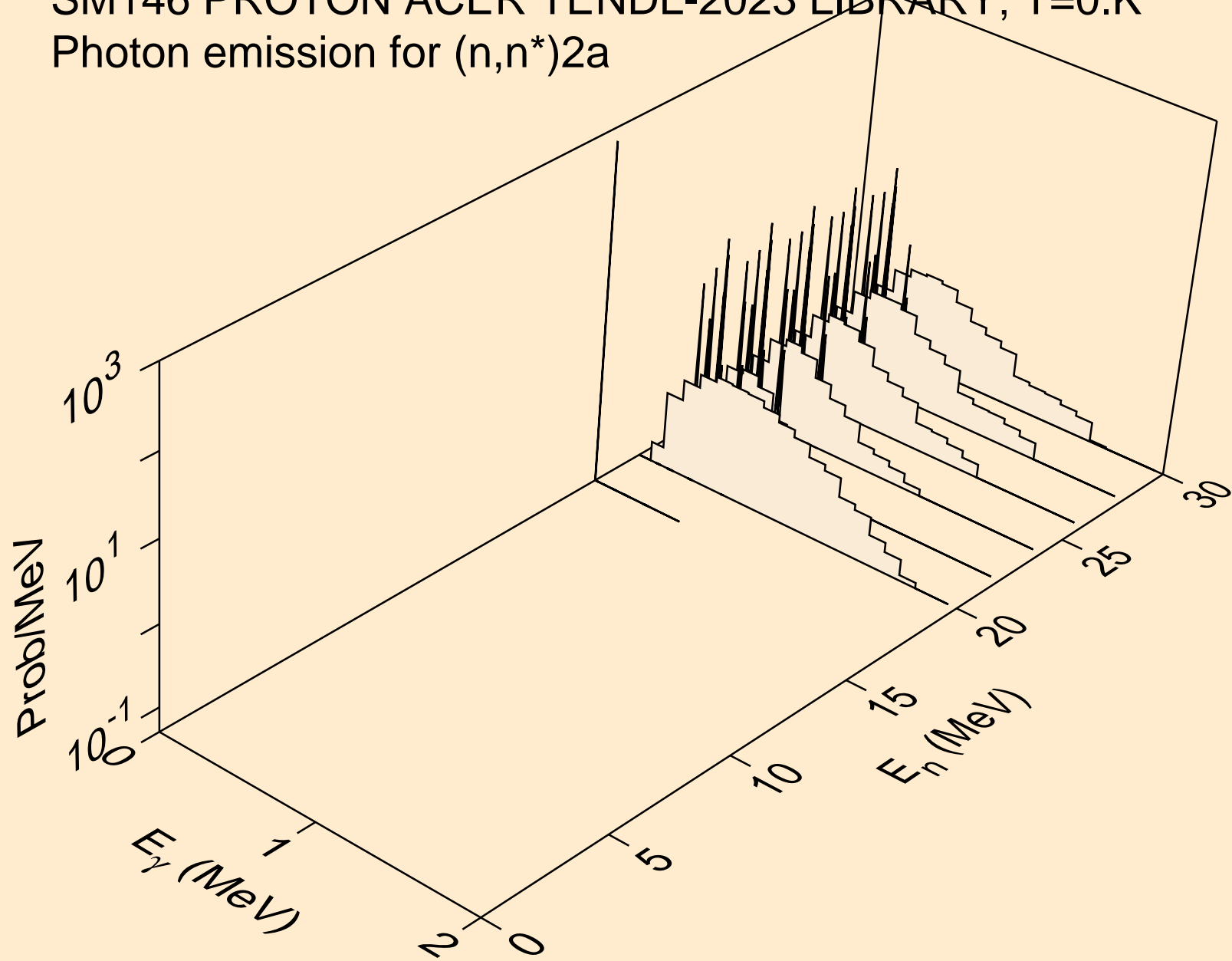
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Photon emission for (n,2n)a



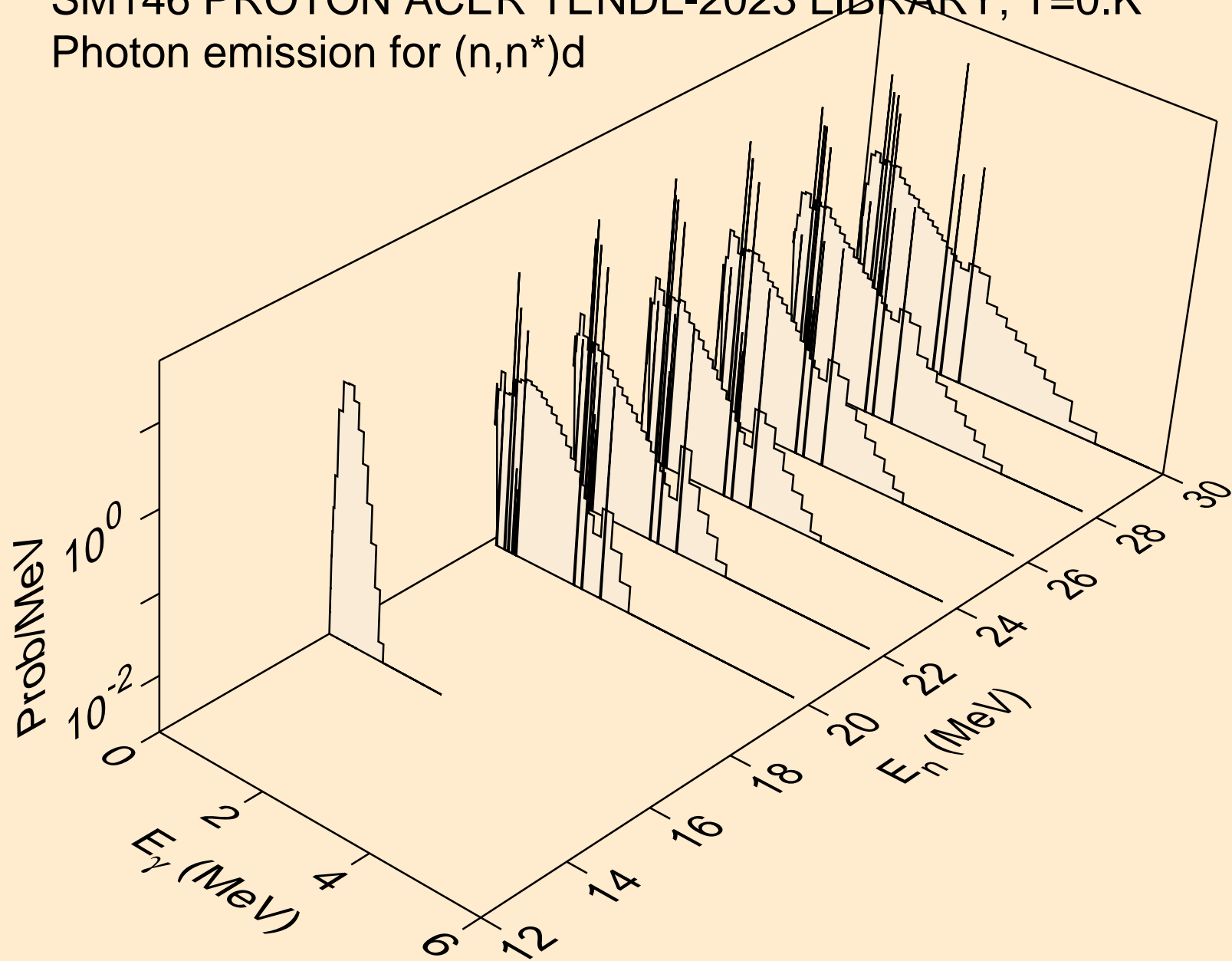
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Photon emission for (n,n\*)p



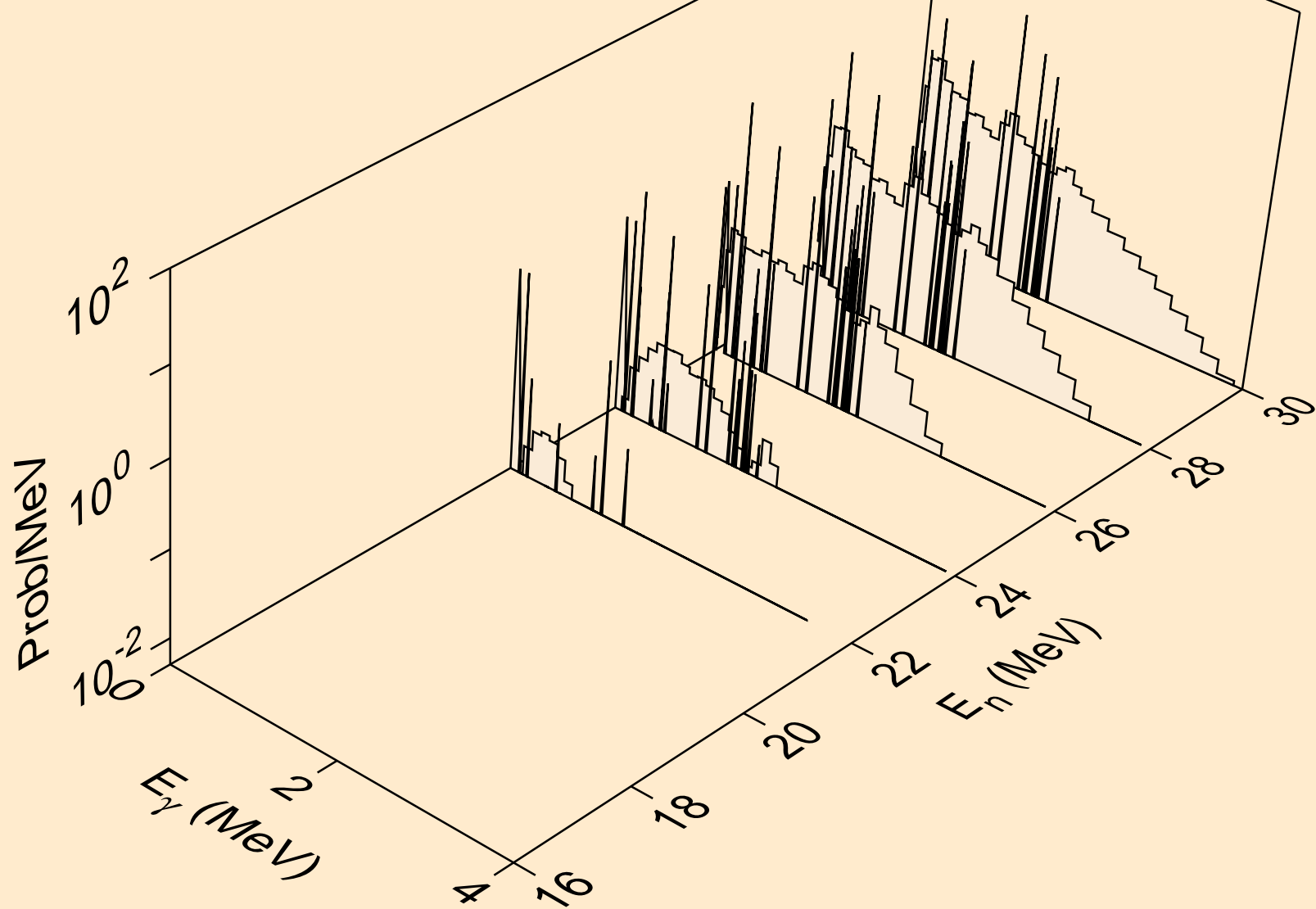
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Photon emission for (n,n\*)2a



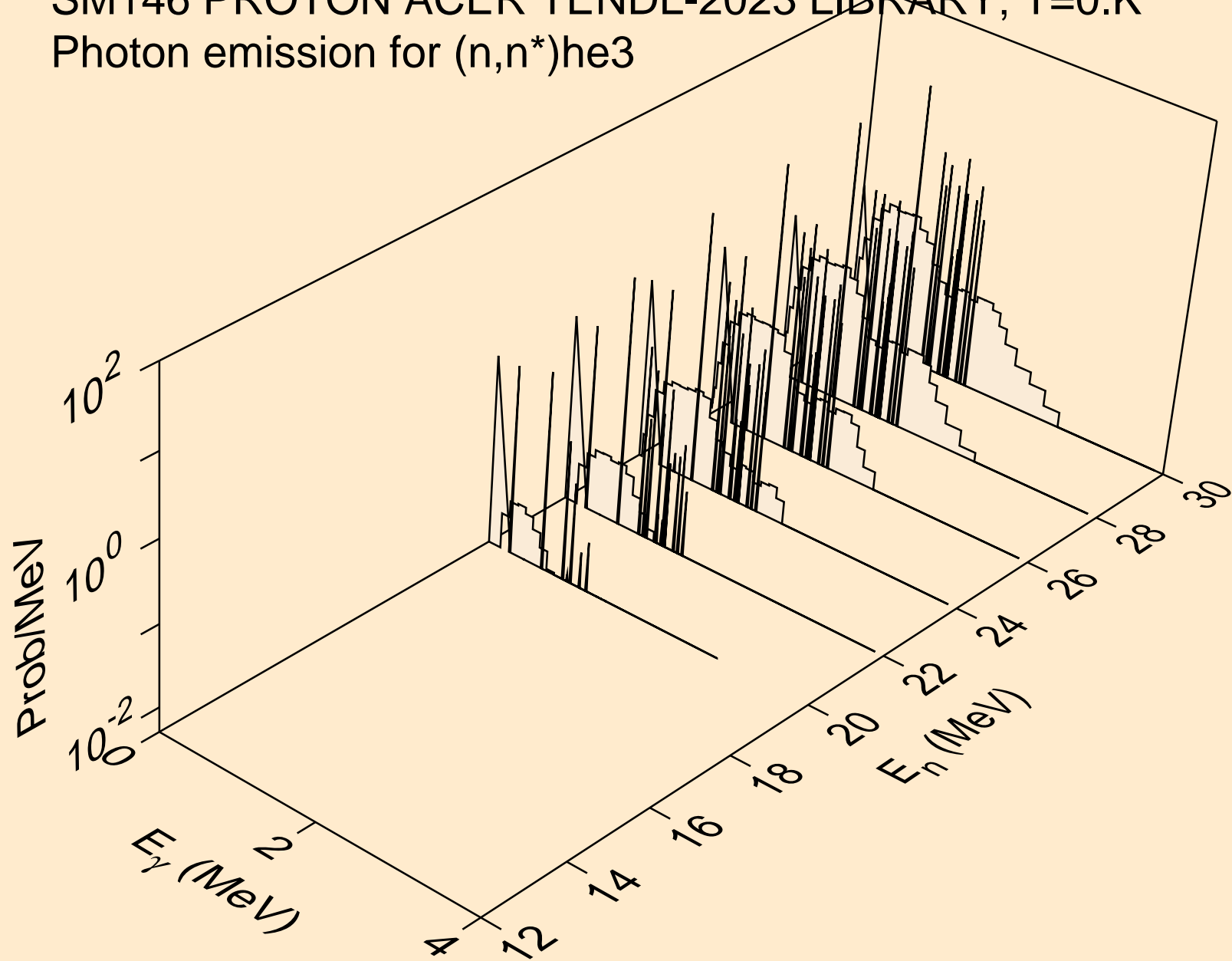
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

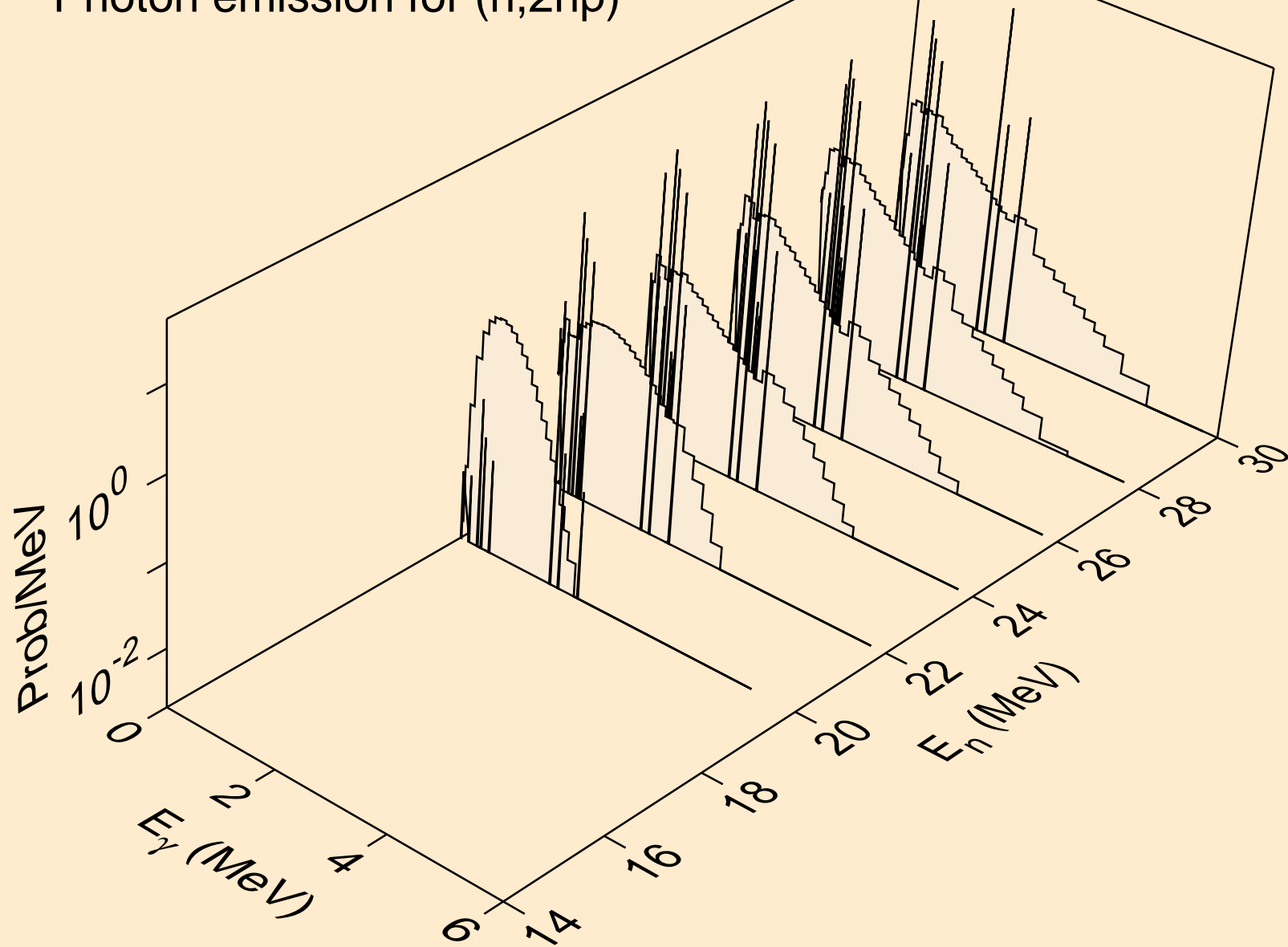


SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

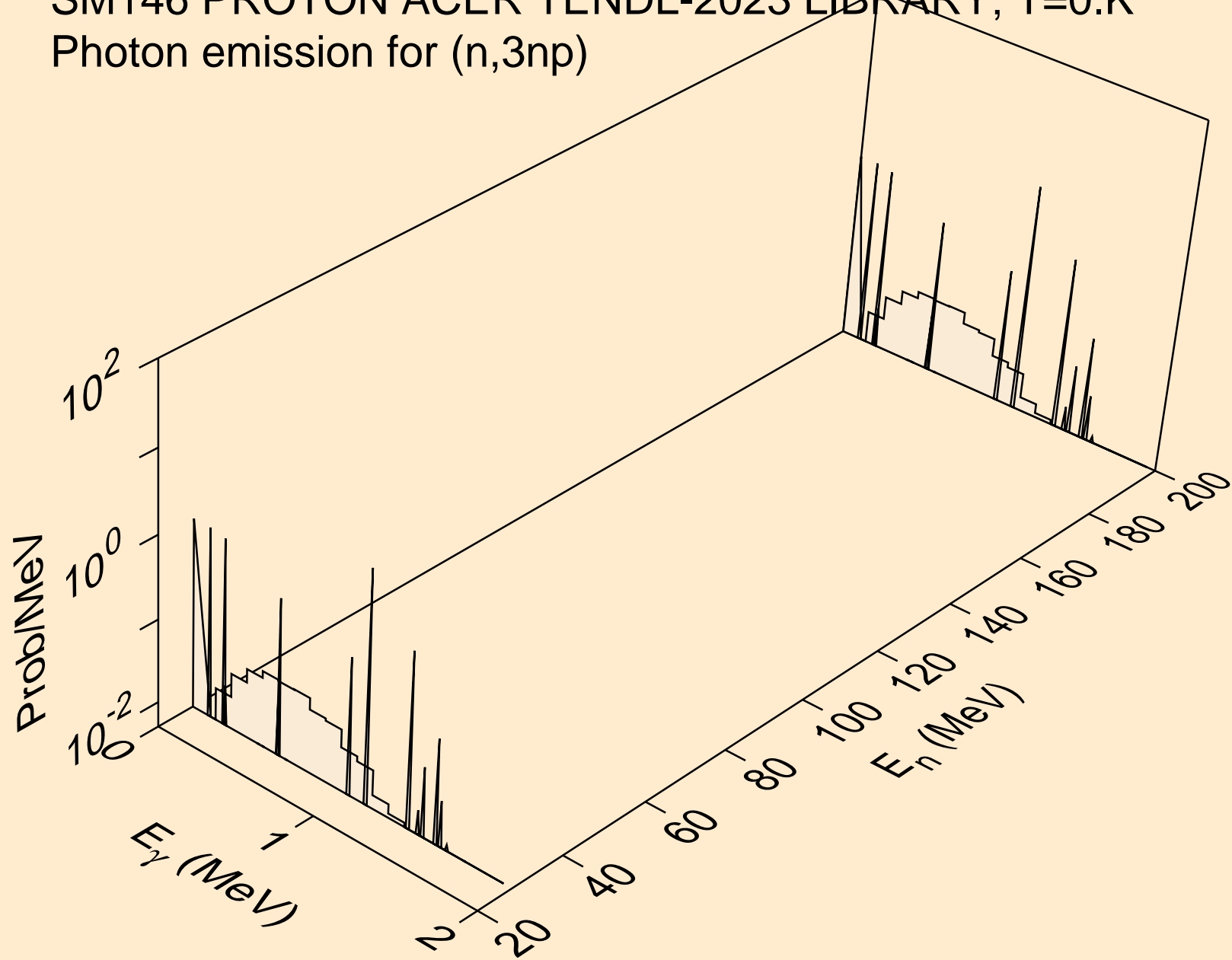




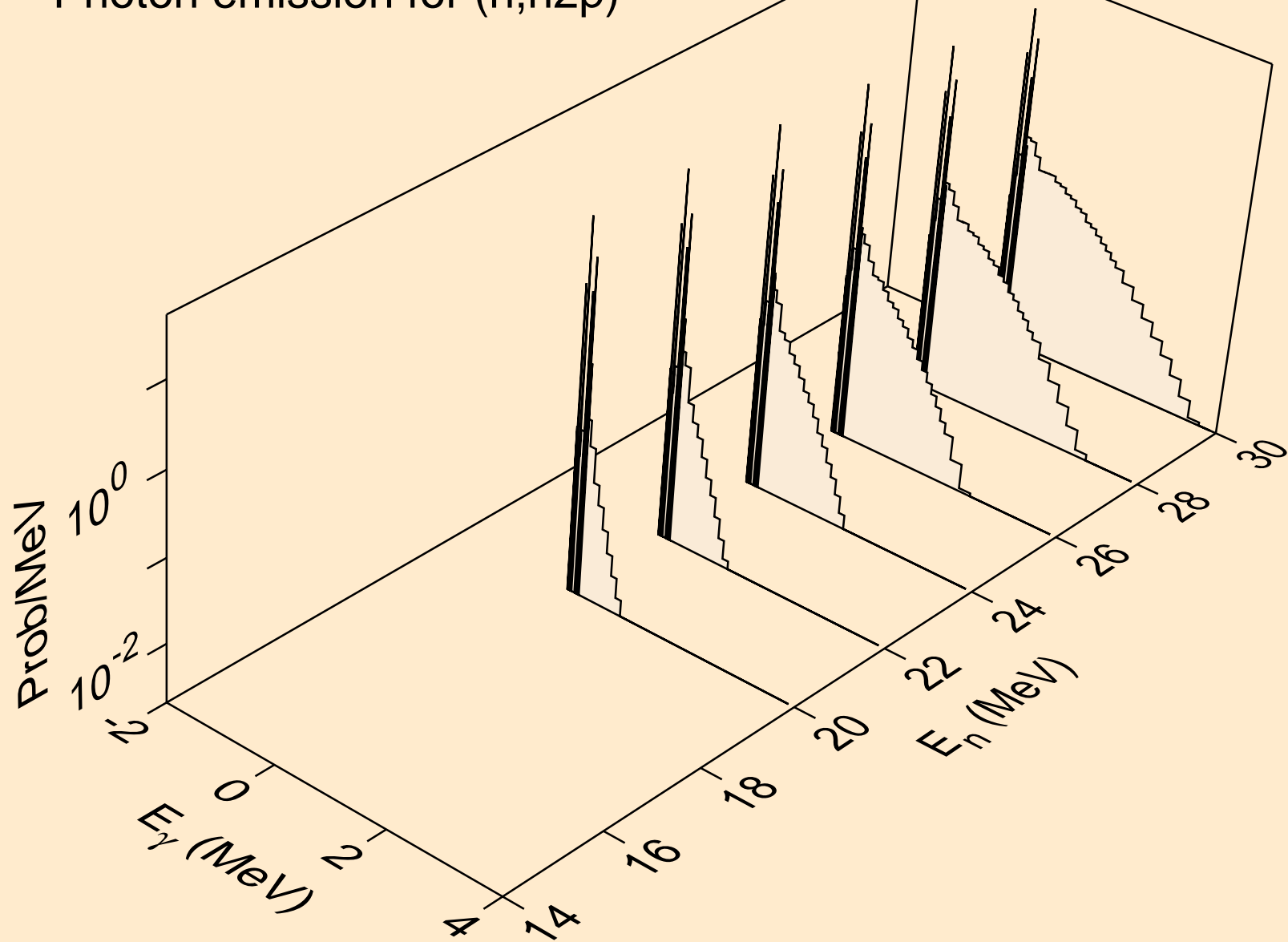
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Photon emission for (n,2np)



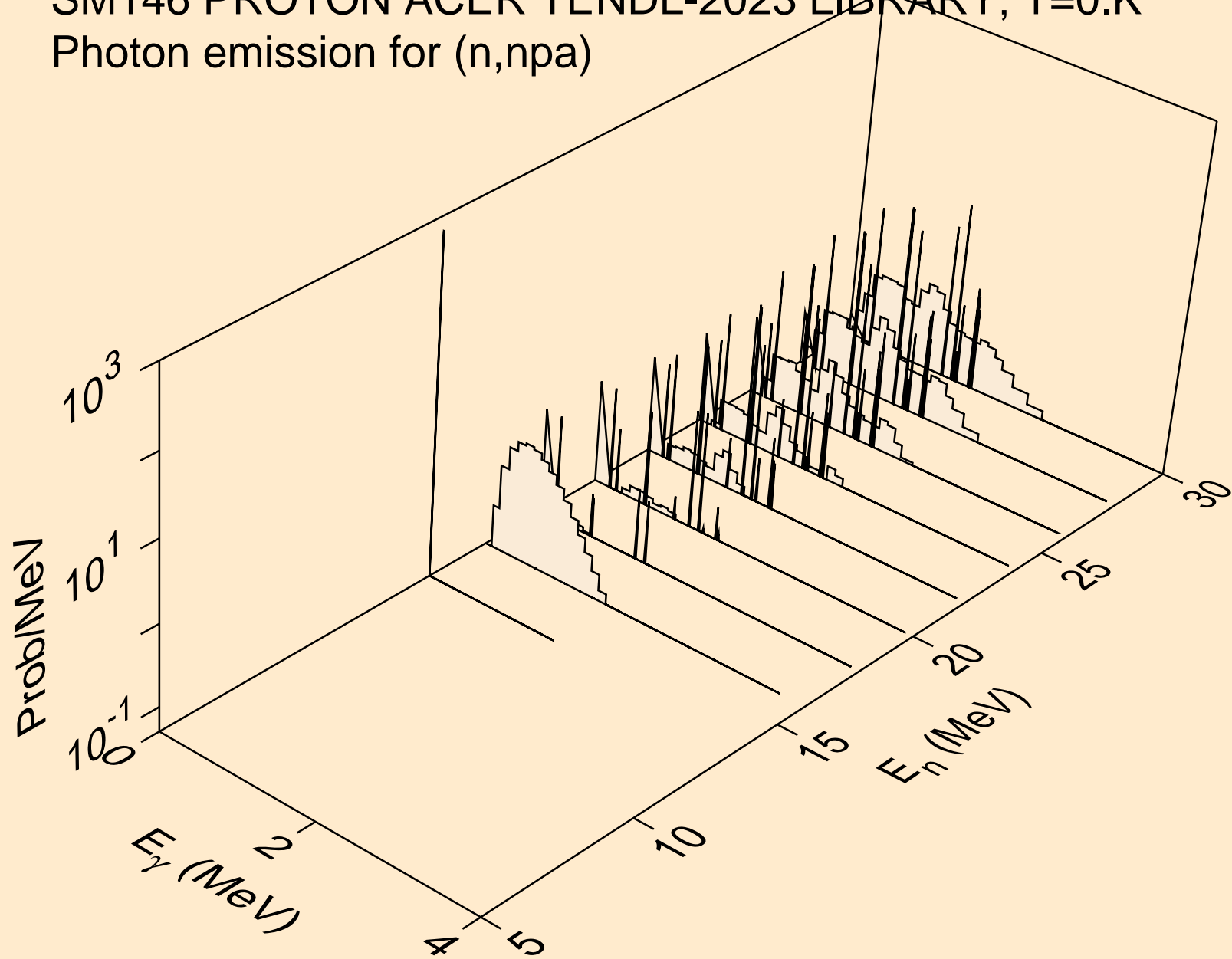
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Photon emission for (n,3np)



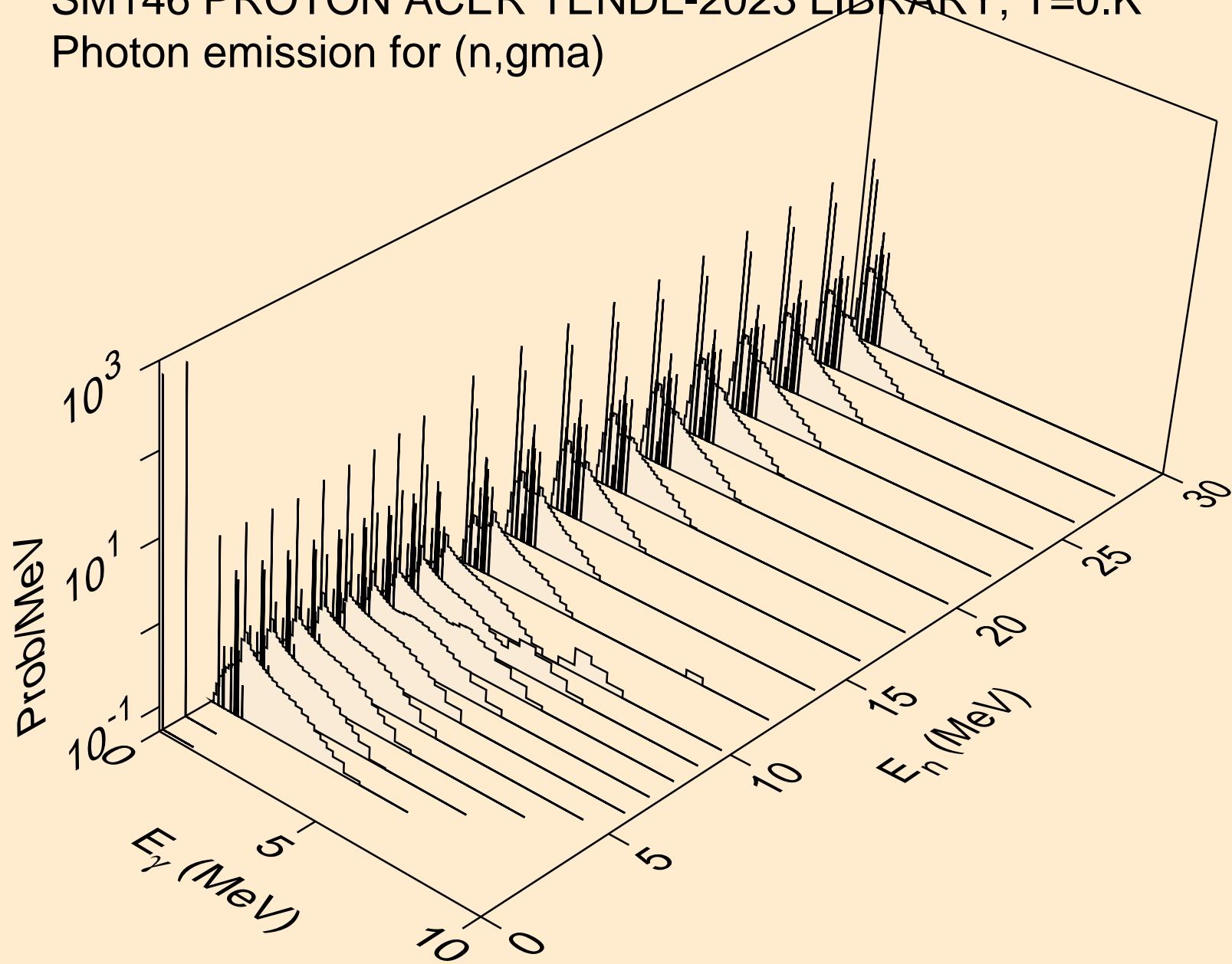
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Photon emission for (n,n2p)



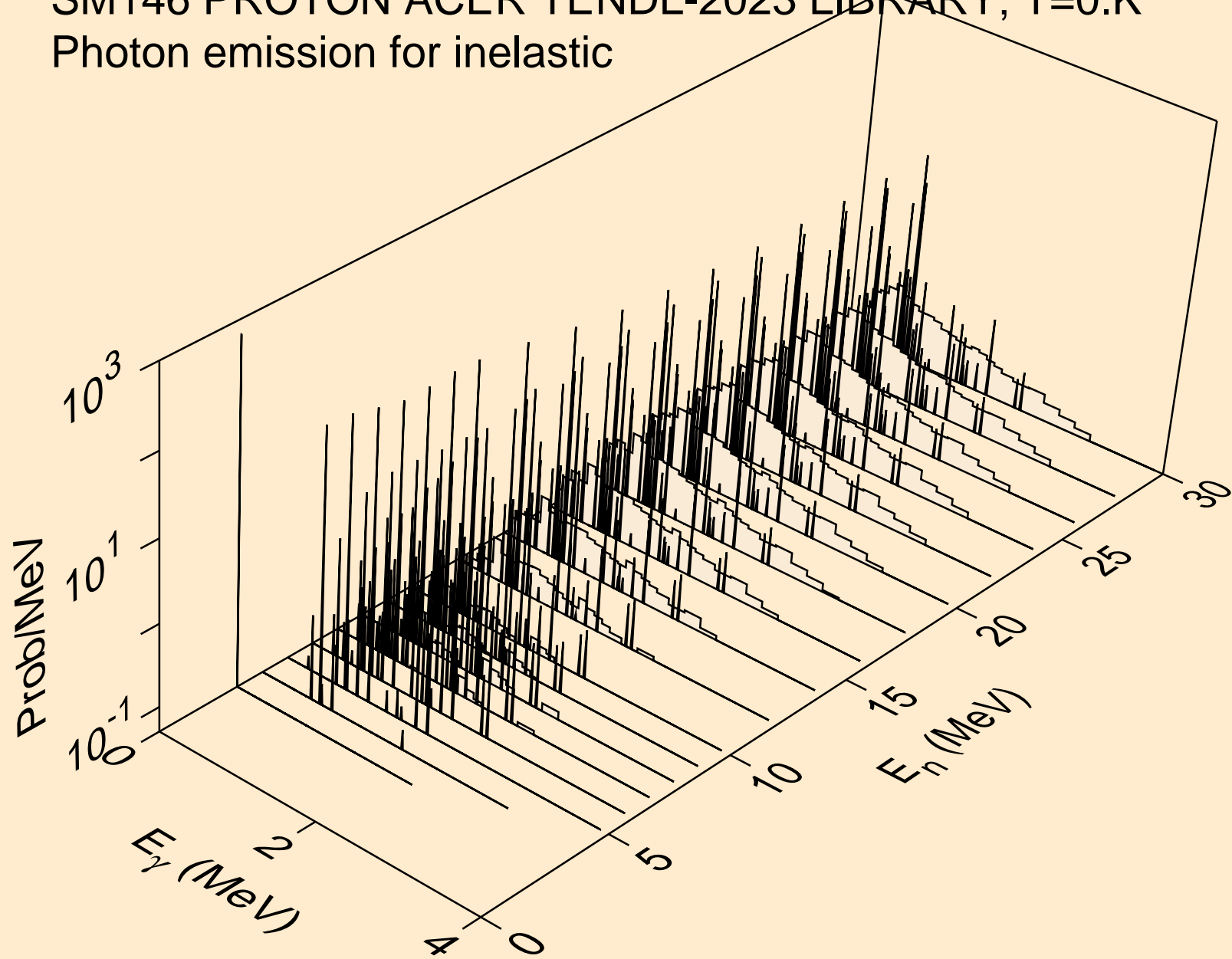
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Photon emission for (n,npa)



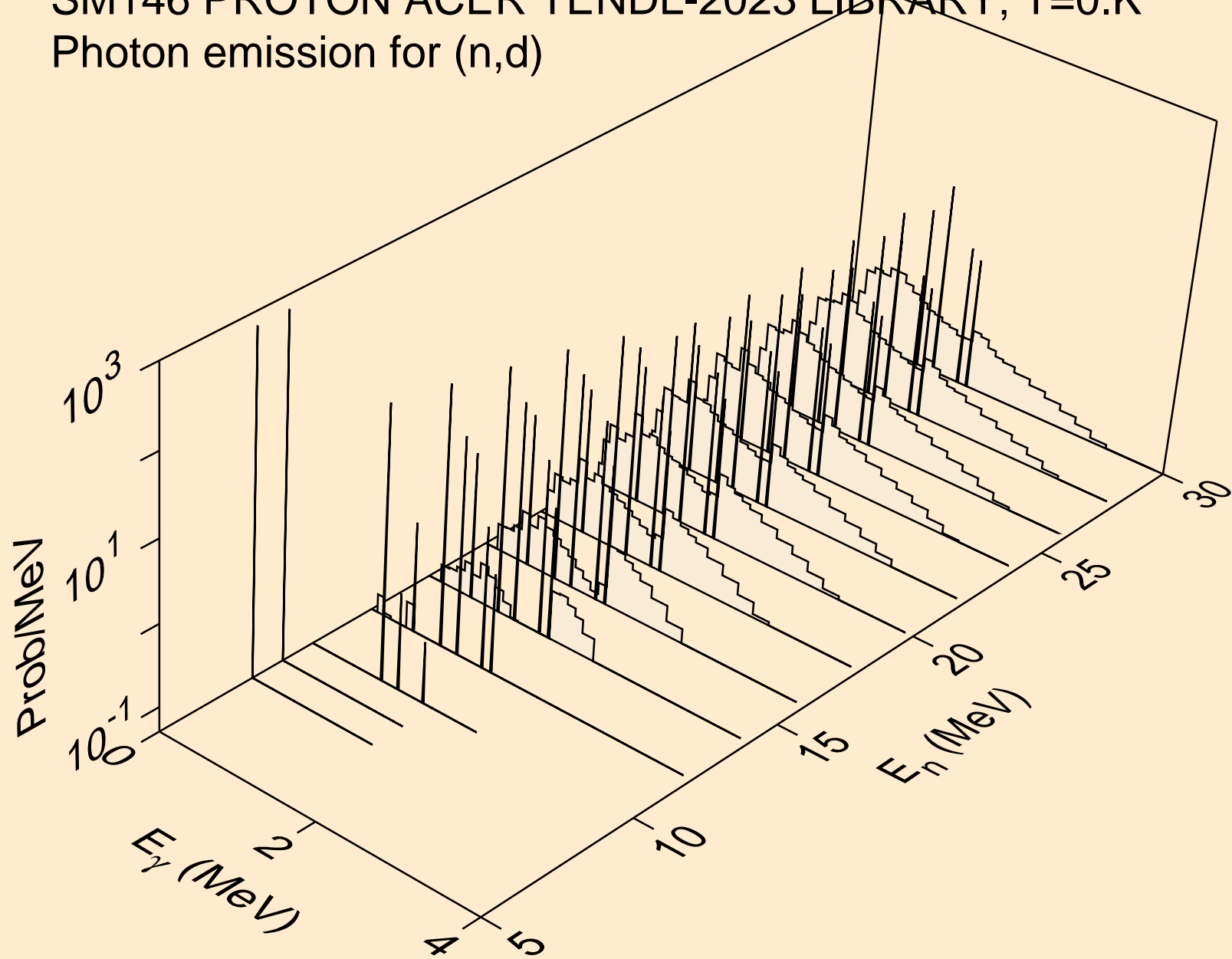
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Photon emission for (n,gma)



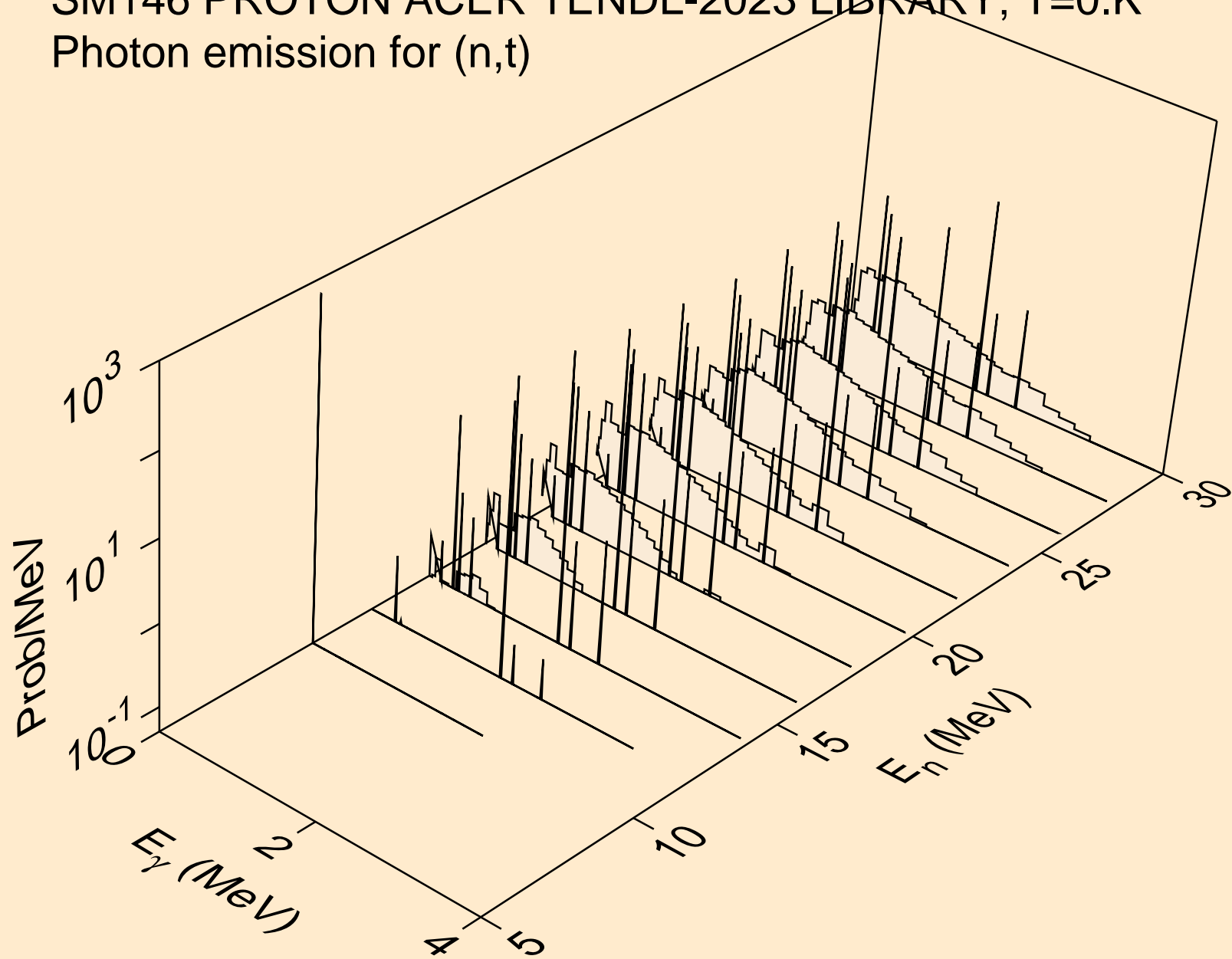
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)

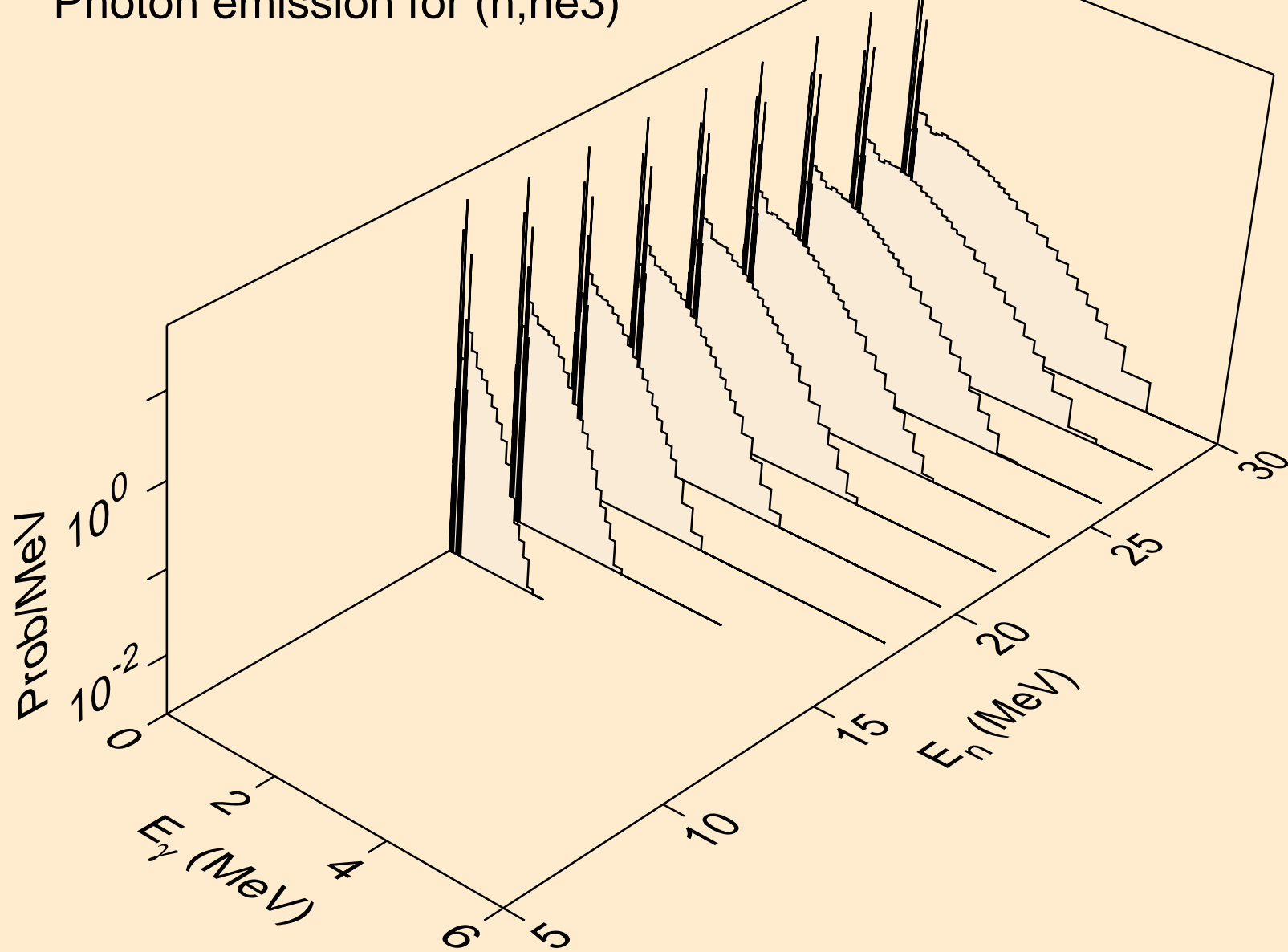


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Photon emission for (n,t)

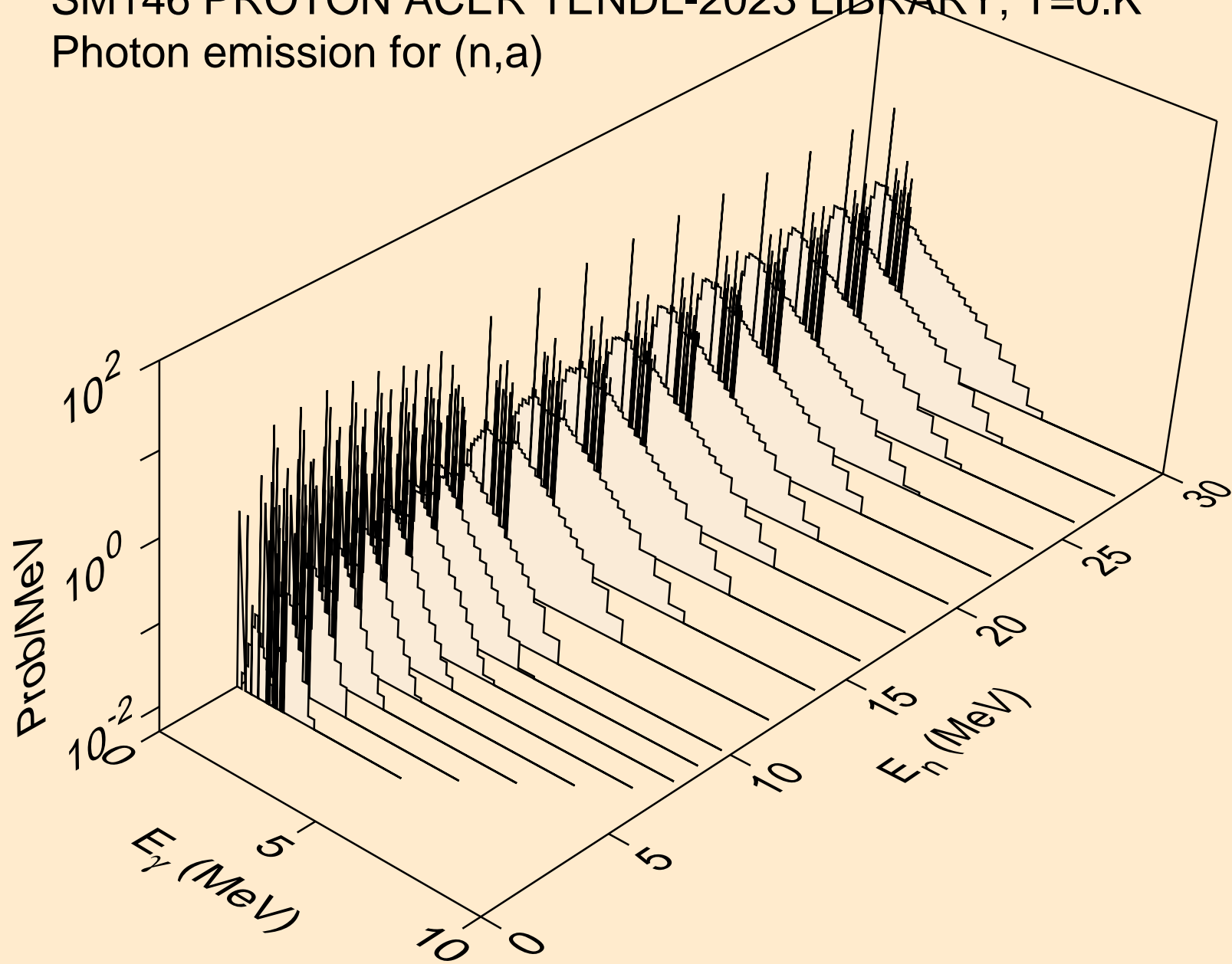




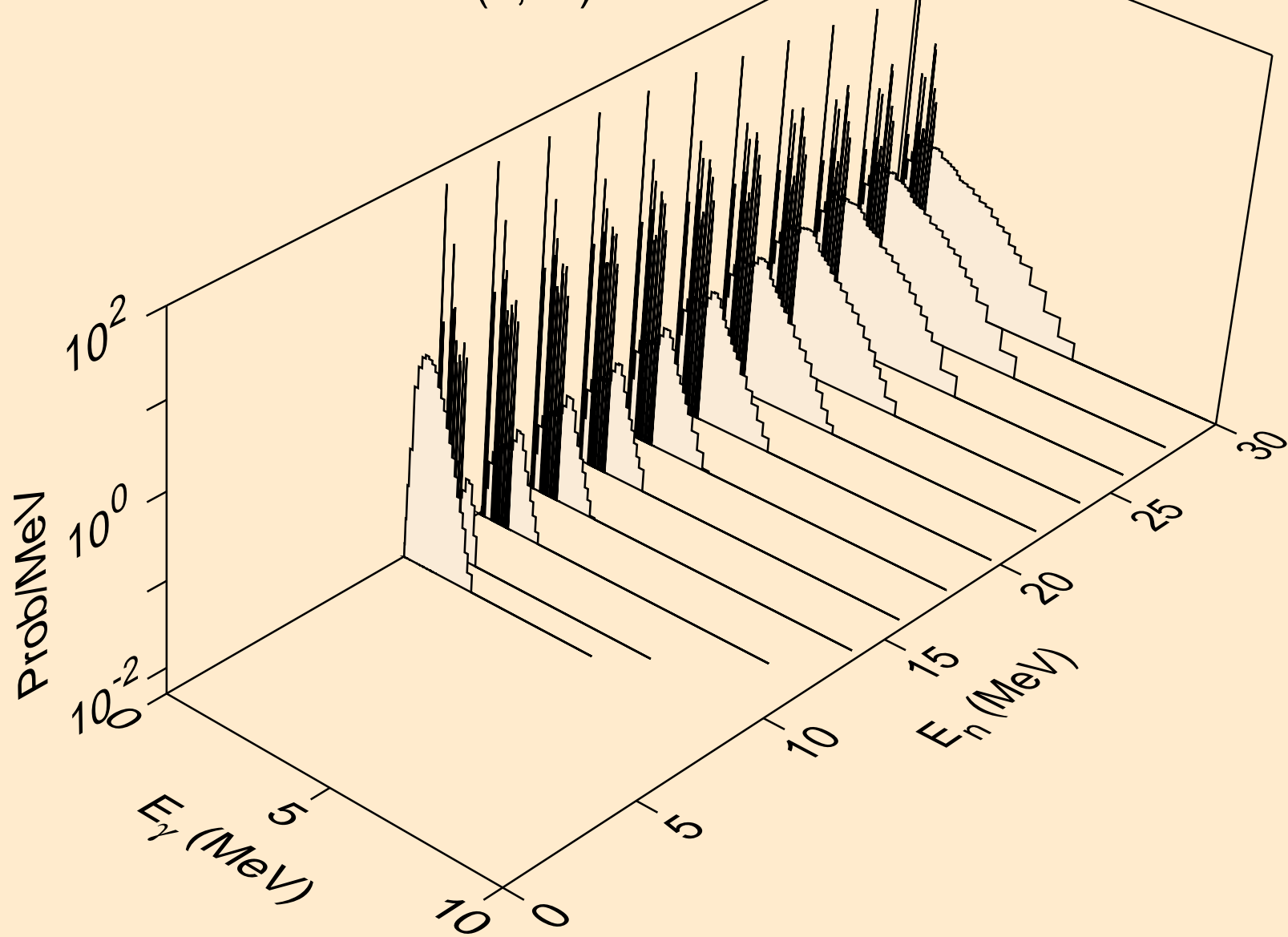
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Photon emission for (n,he3)



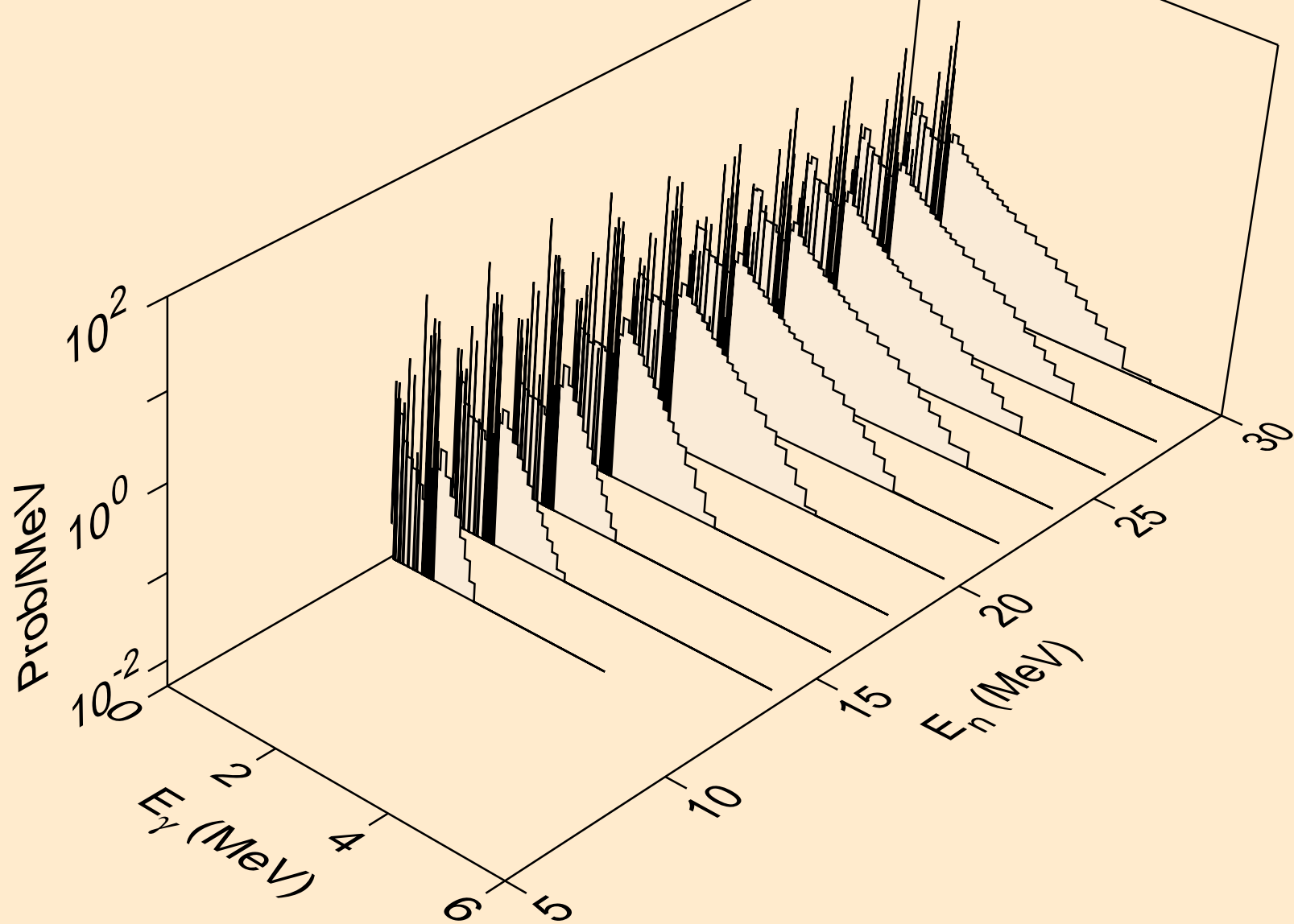
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Photon emission for (n,a)



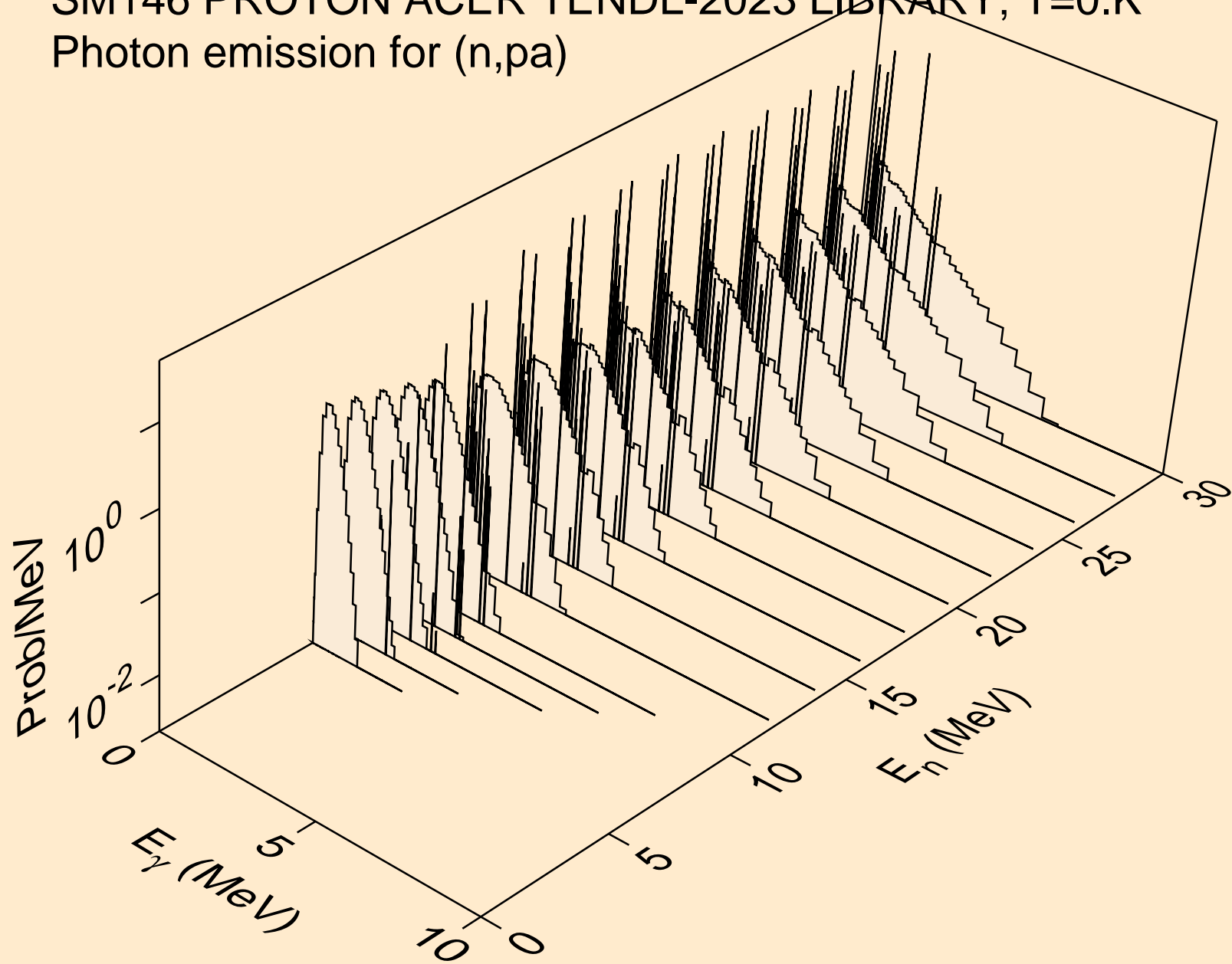
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Photon emission for (n,2a)



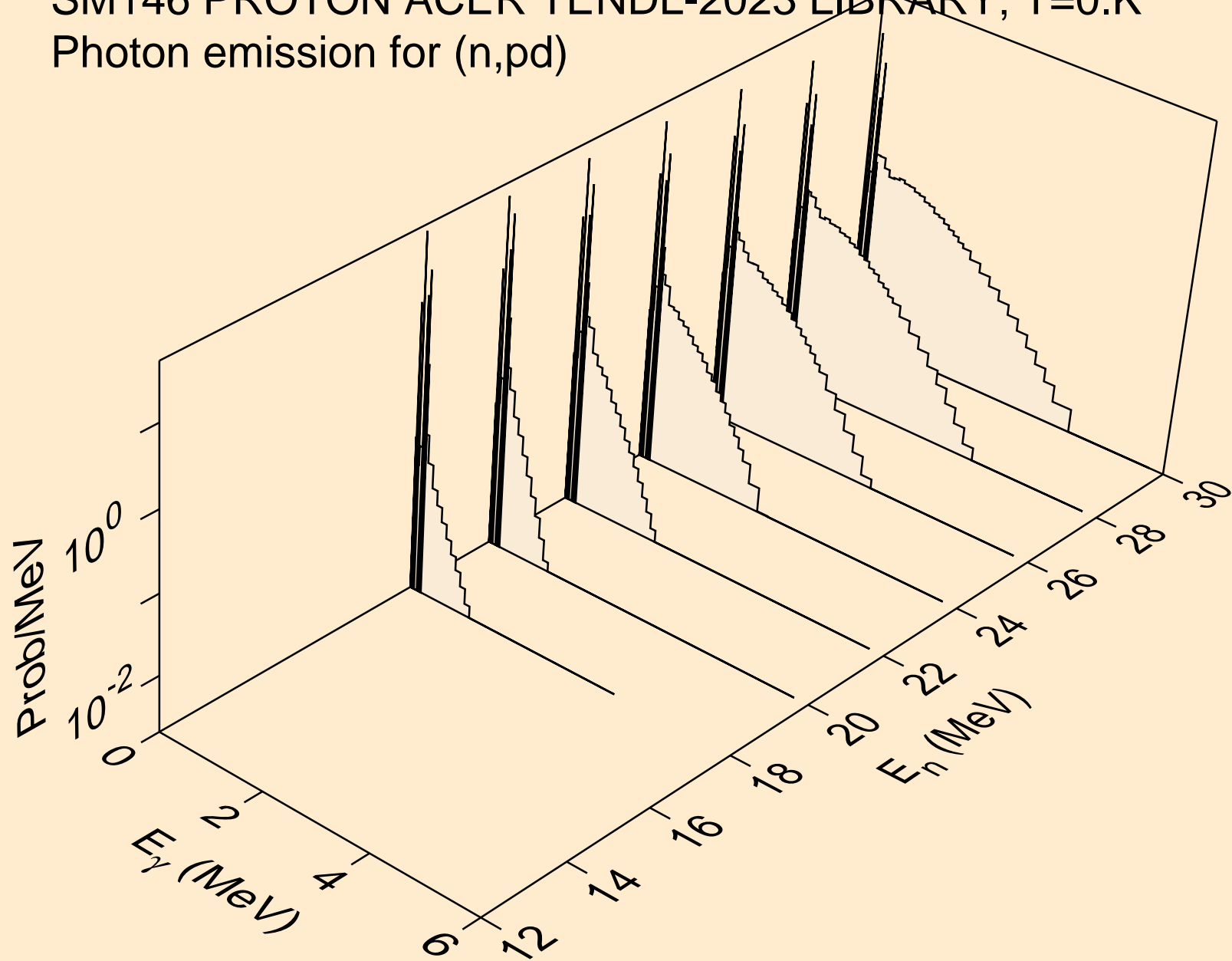
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Photon emission for (n,2p)



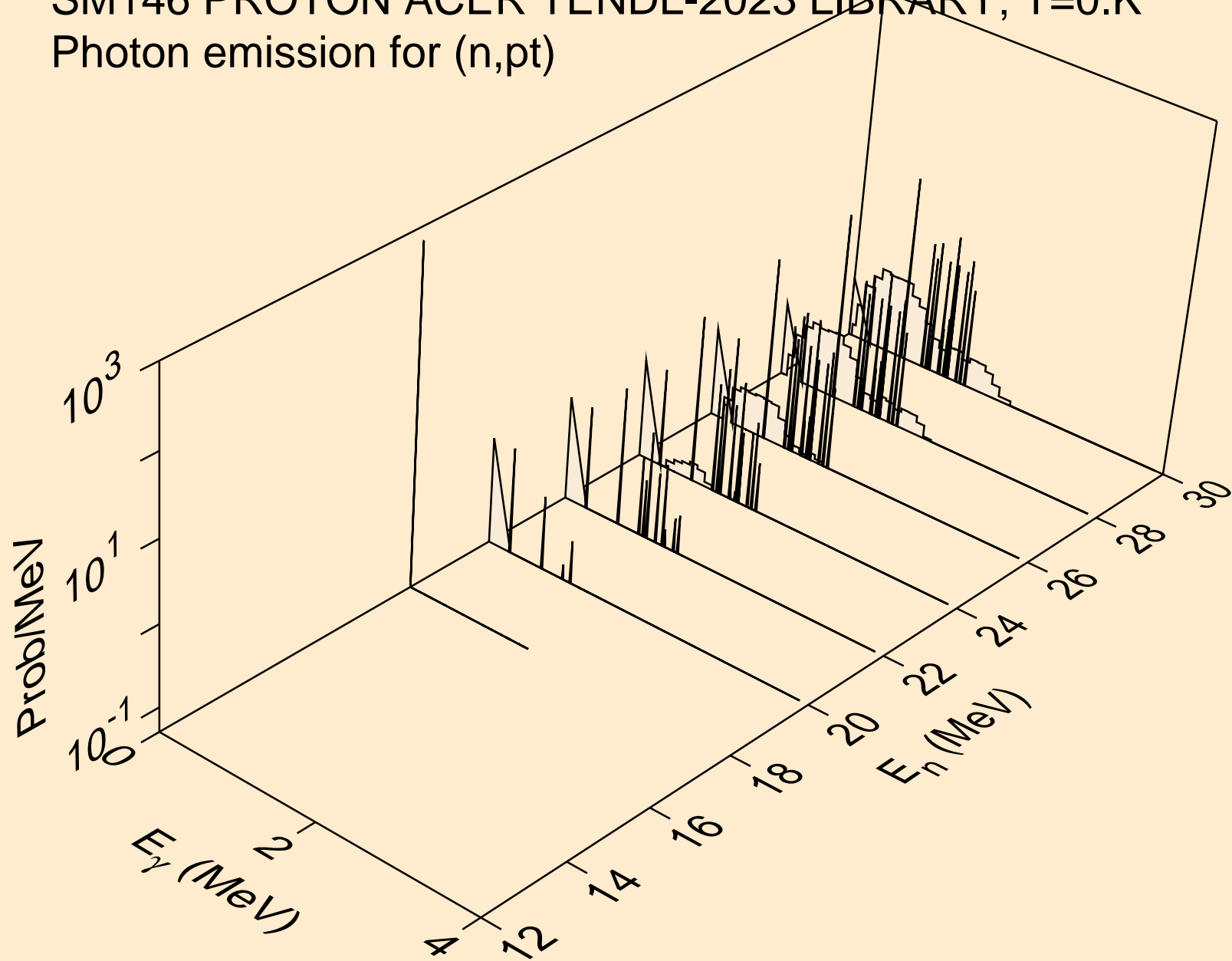
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)



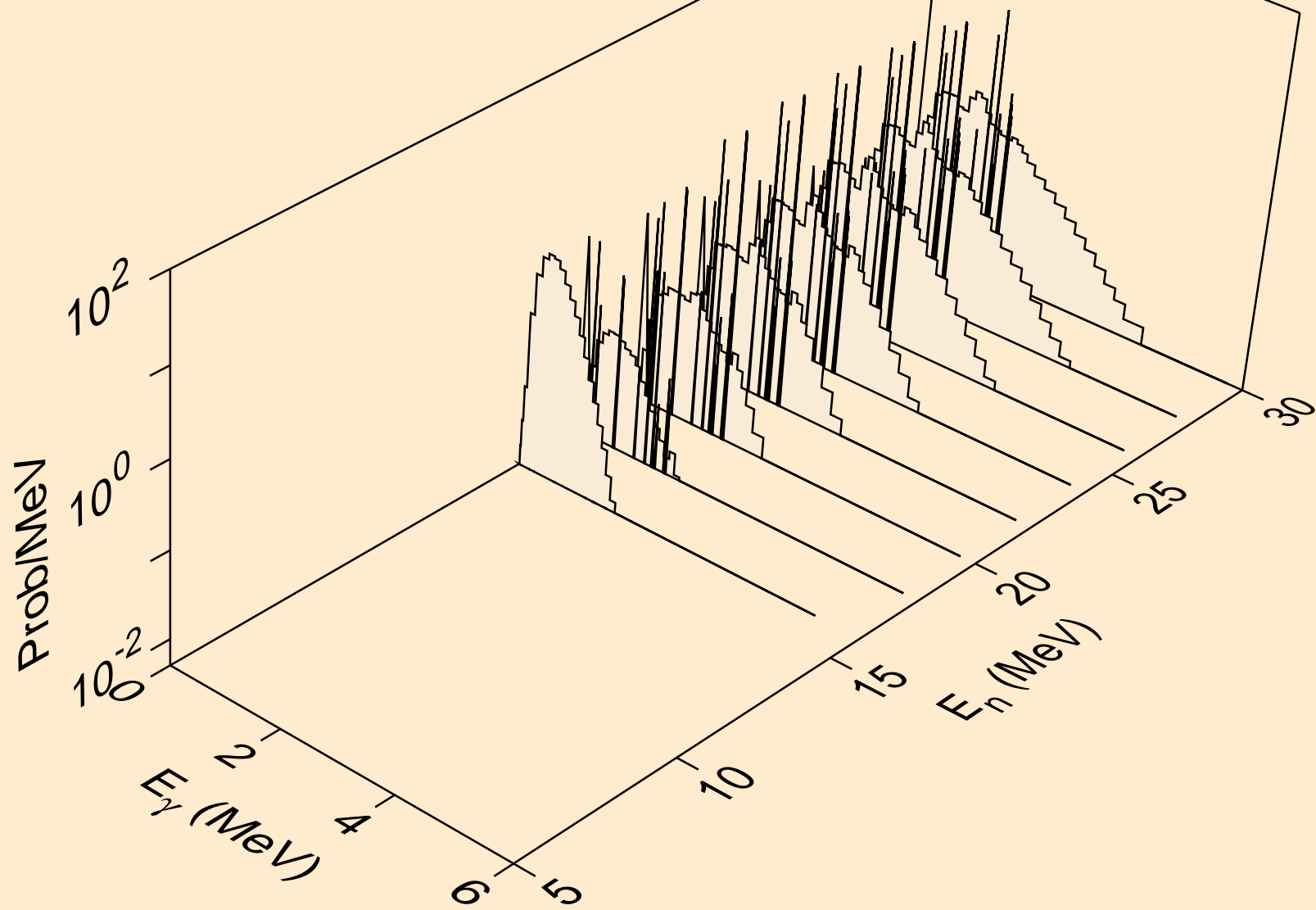
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



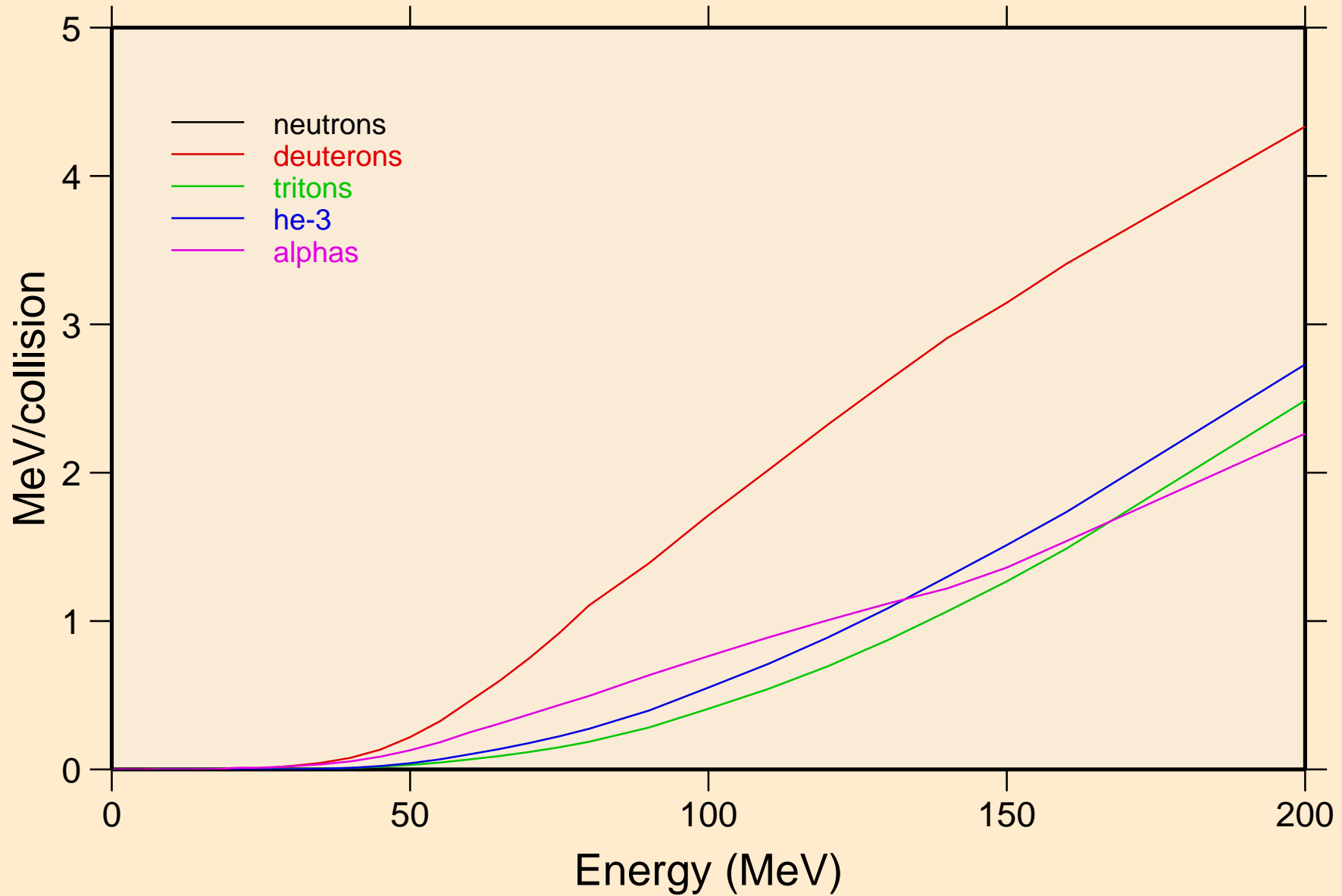
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Photon emission for (n,da)



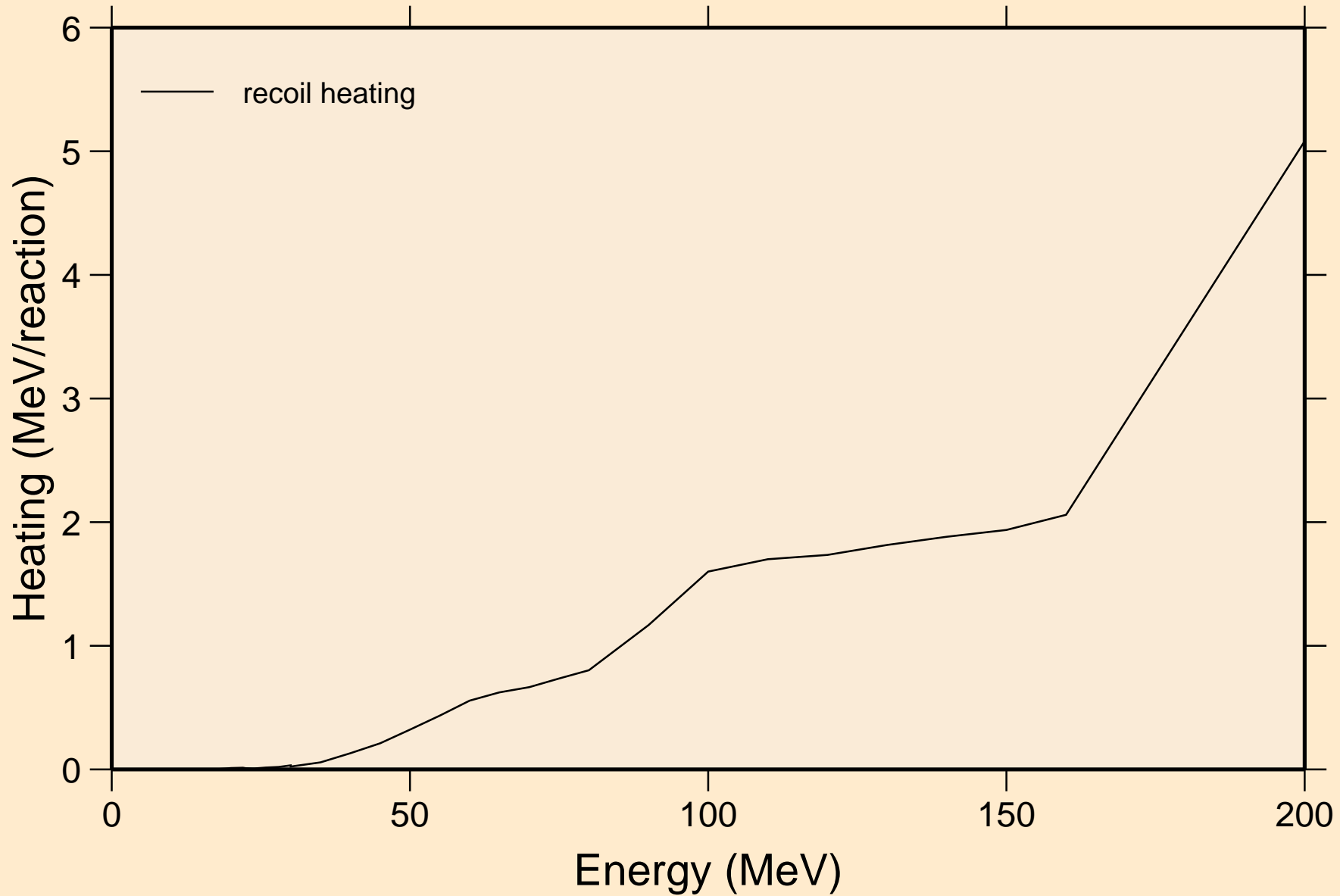


# SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K

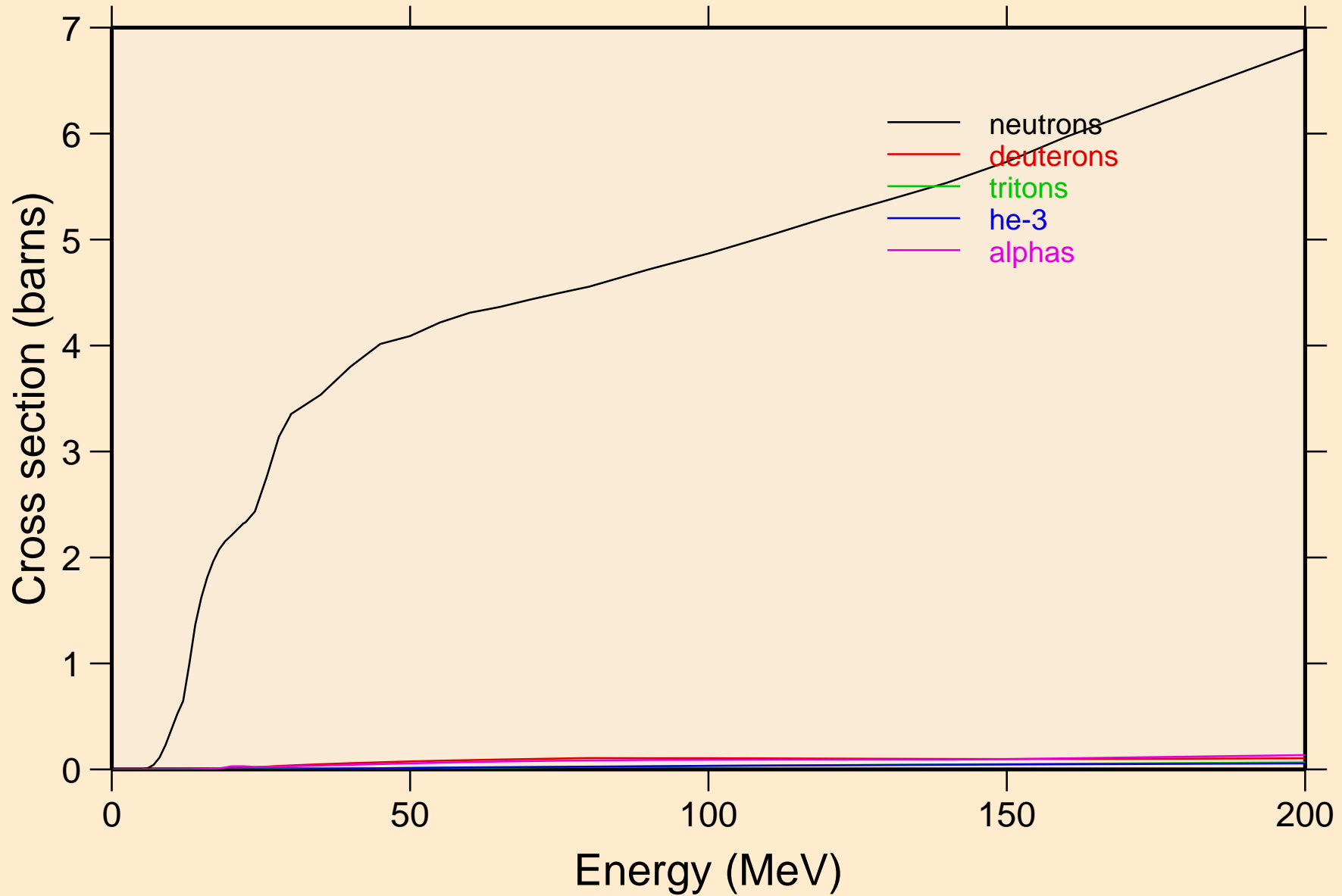
## Particle heating contributions



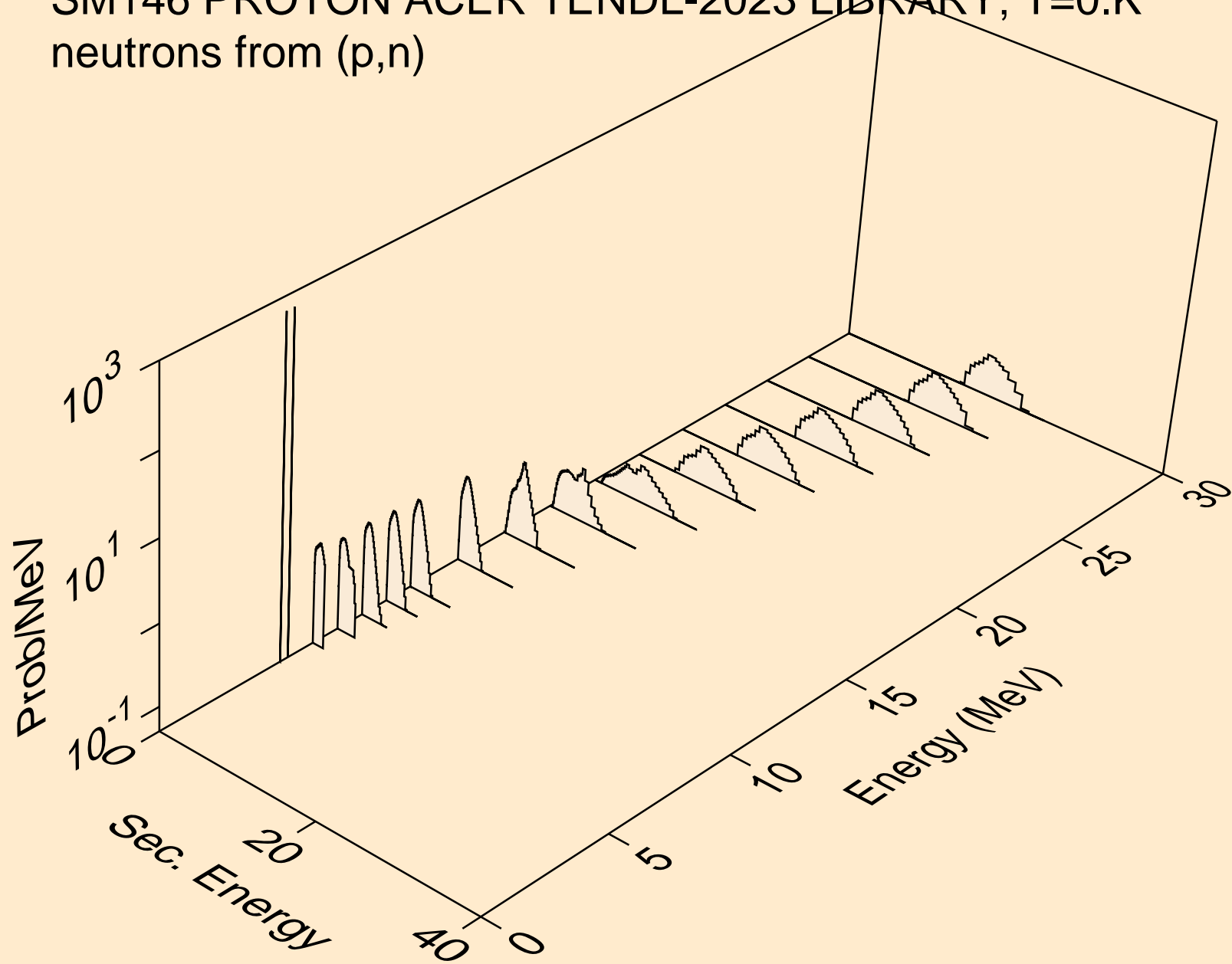
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



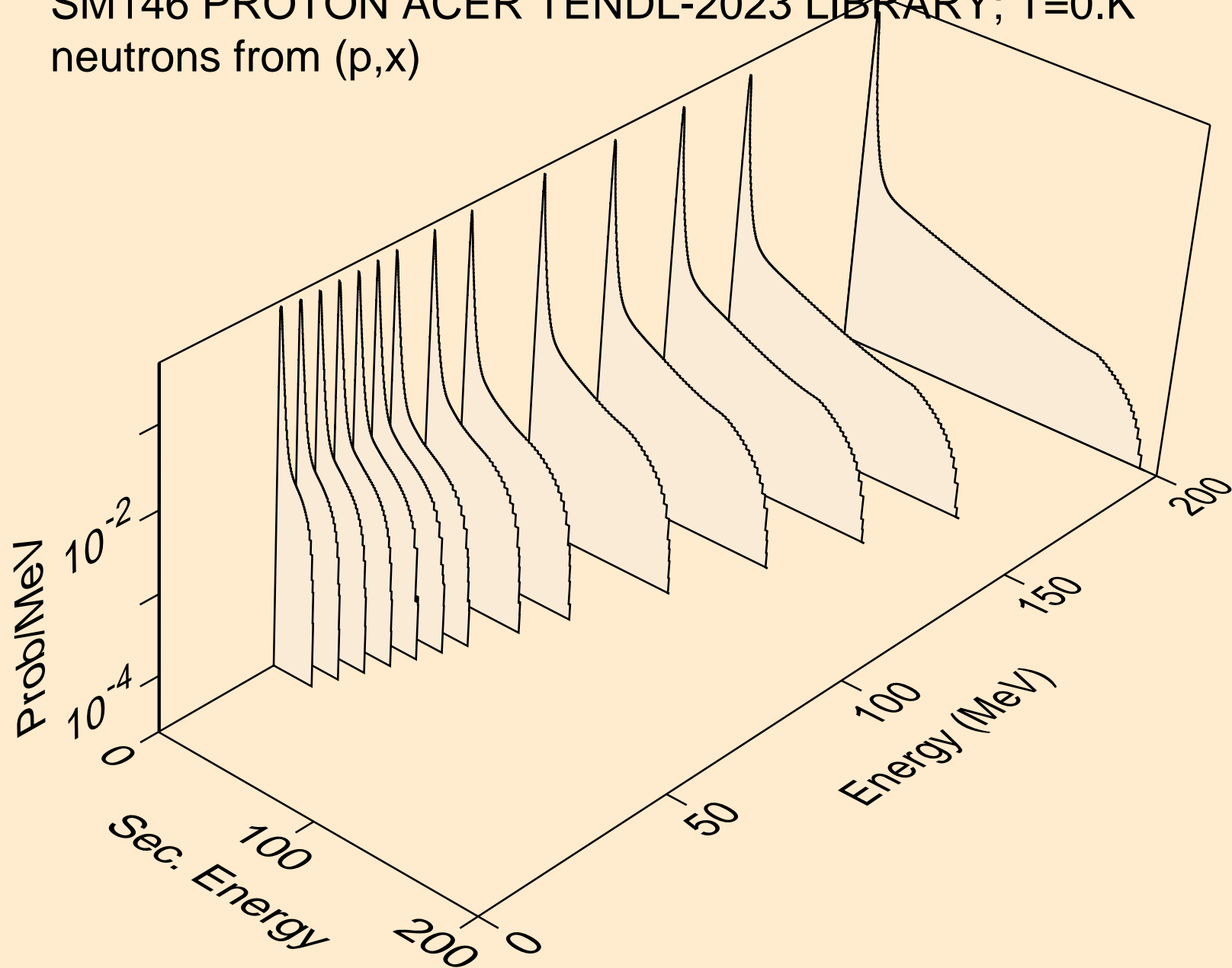
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



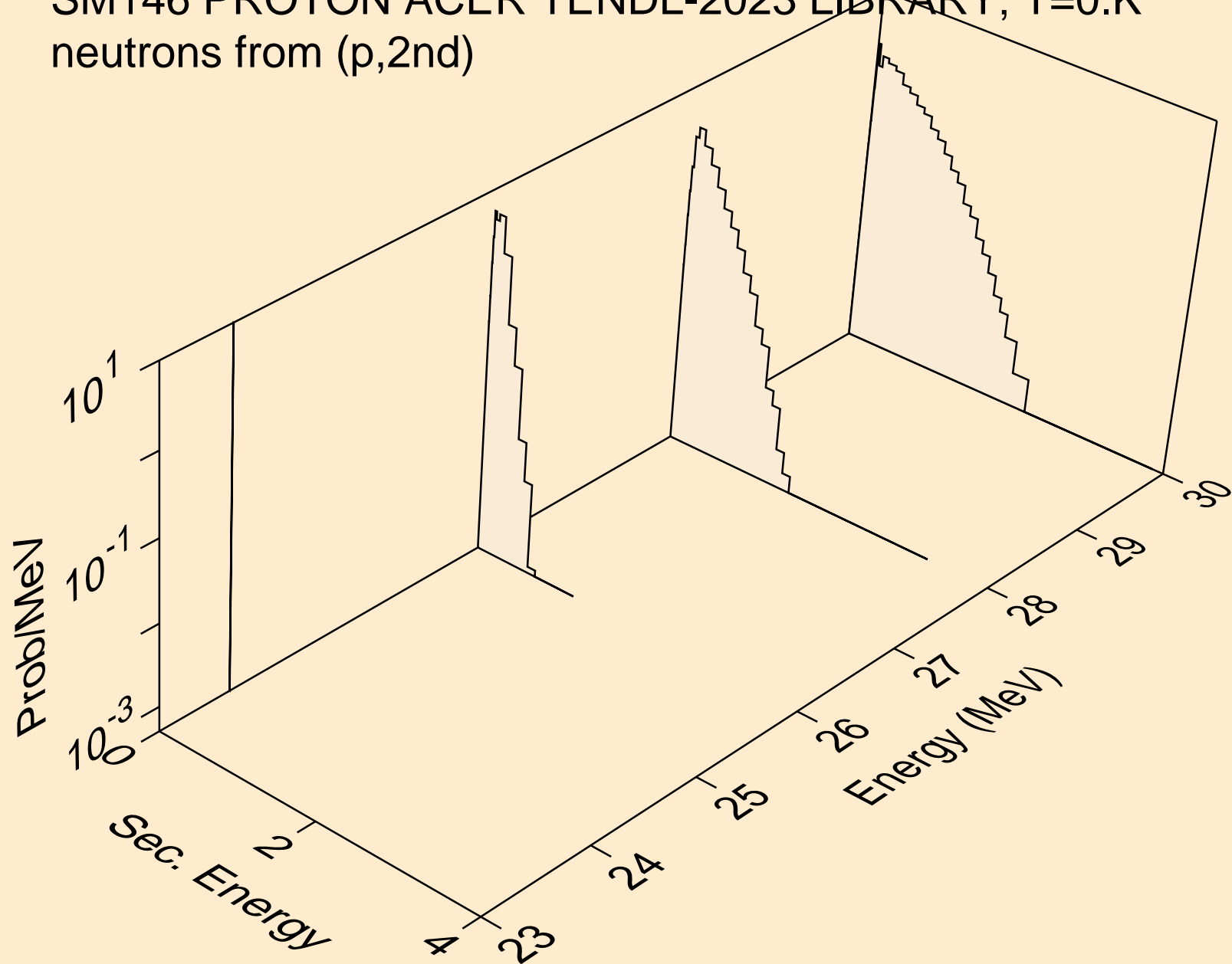
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



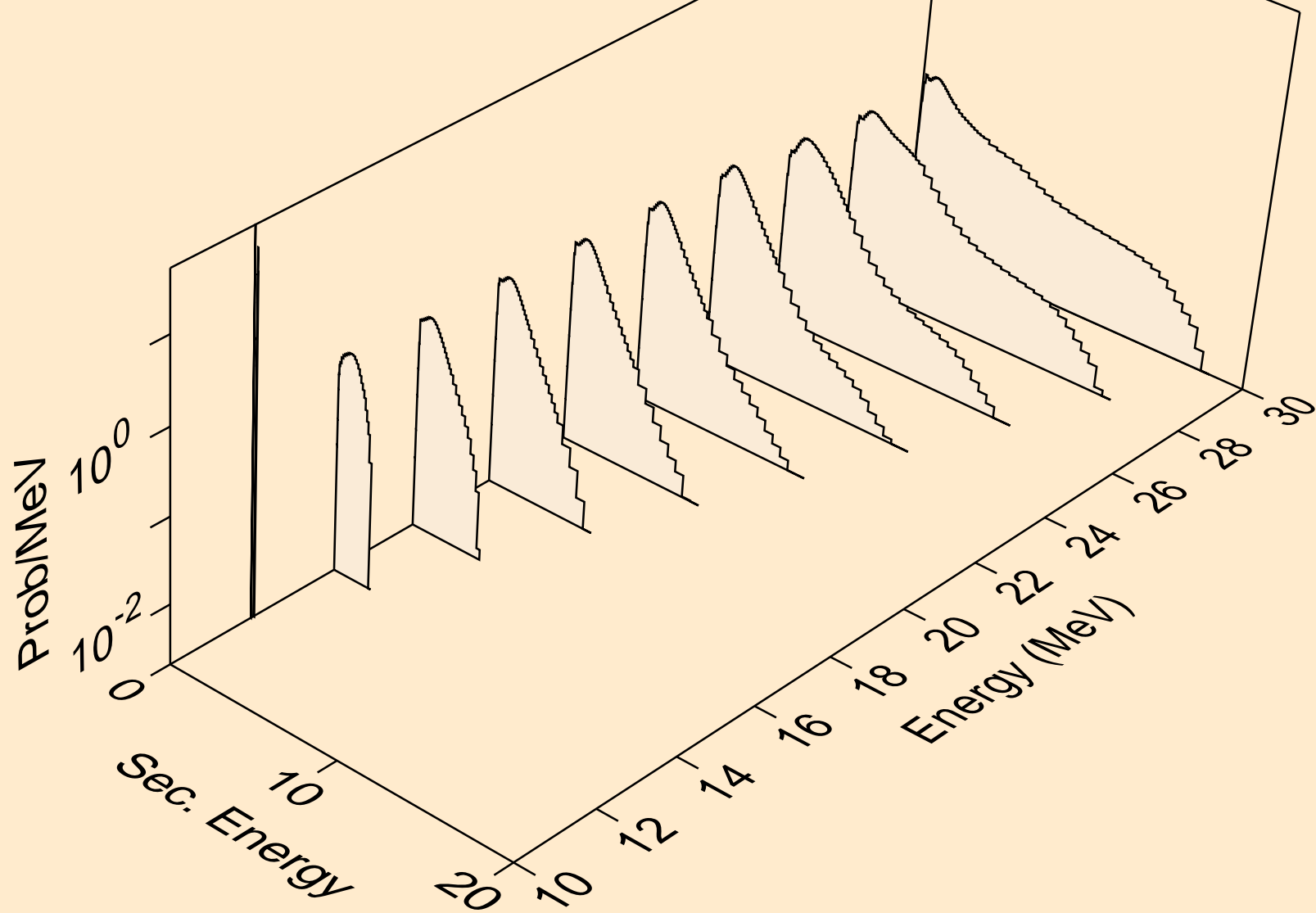
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)



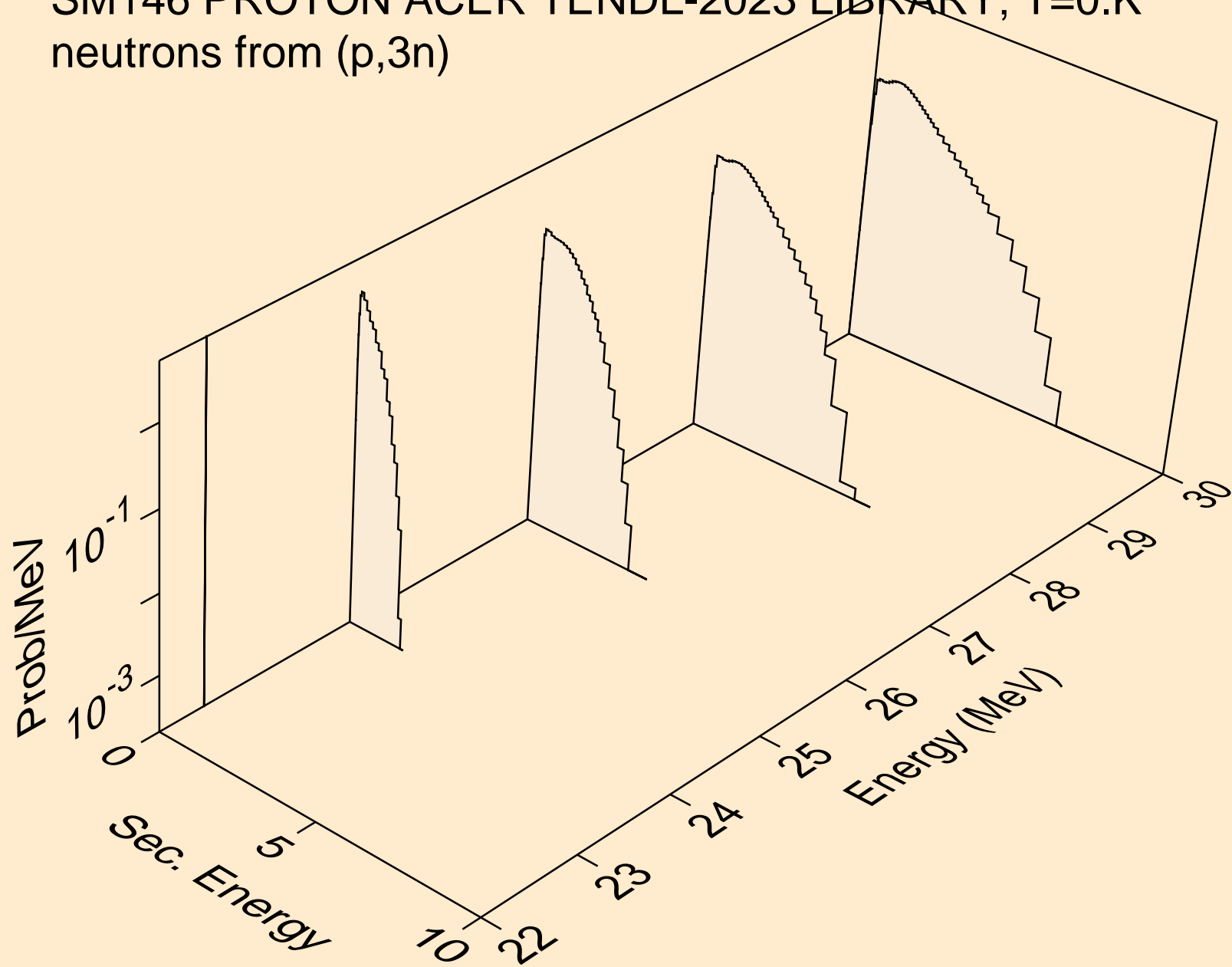
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2nd)



SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)

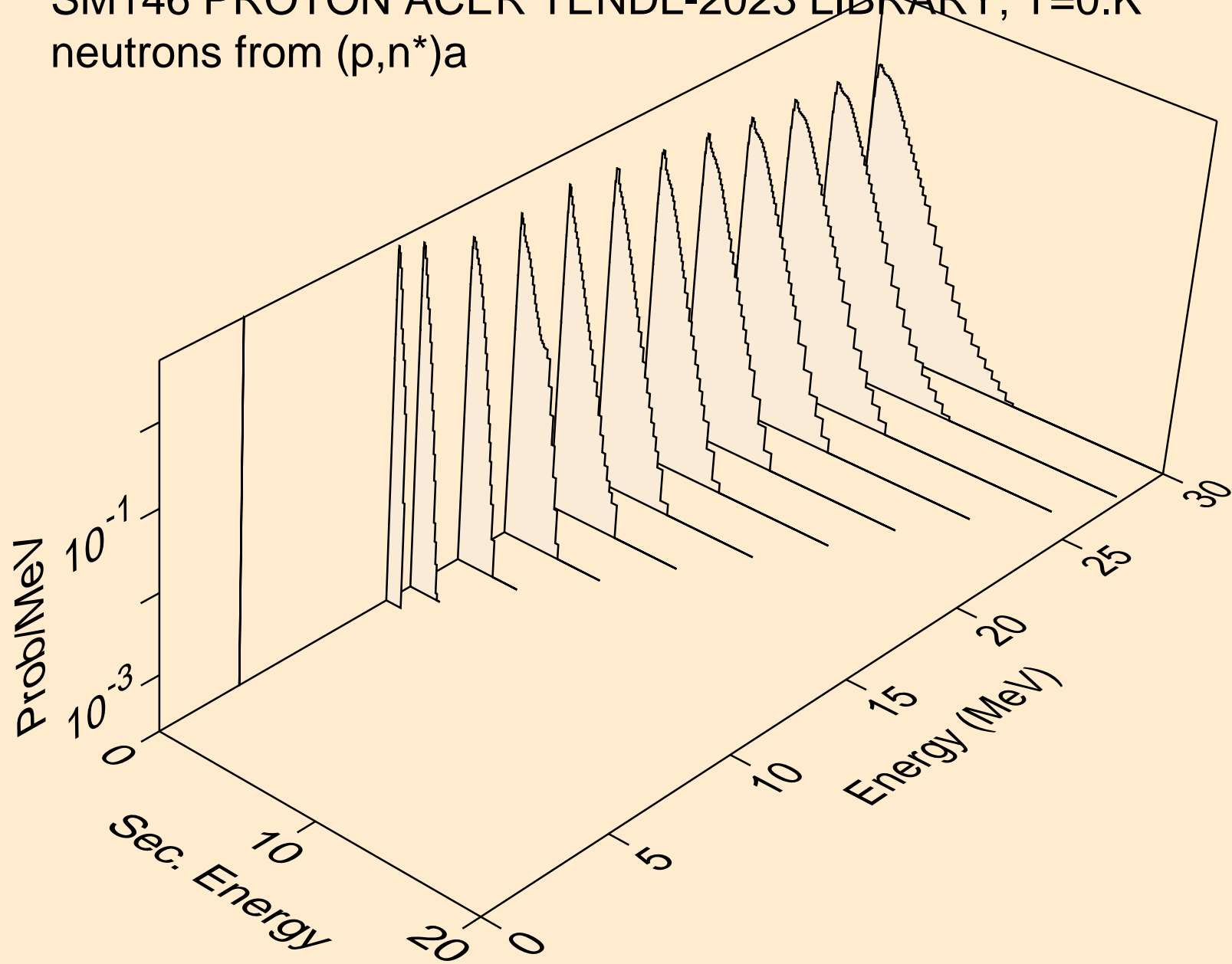


SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3n)

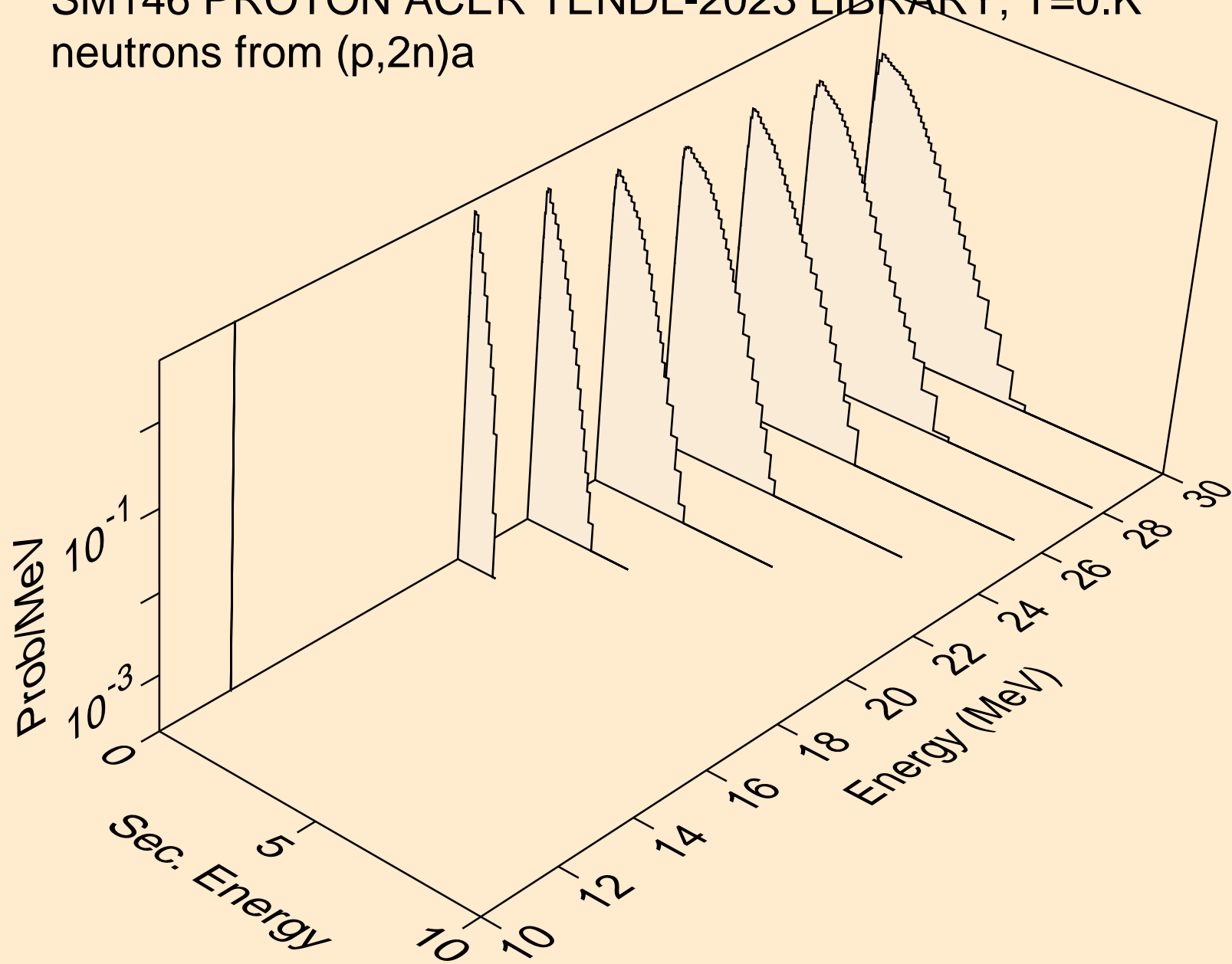




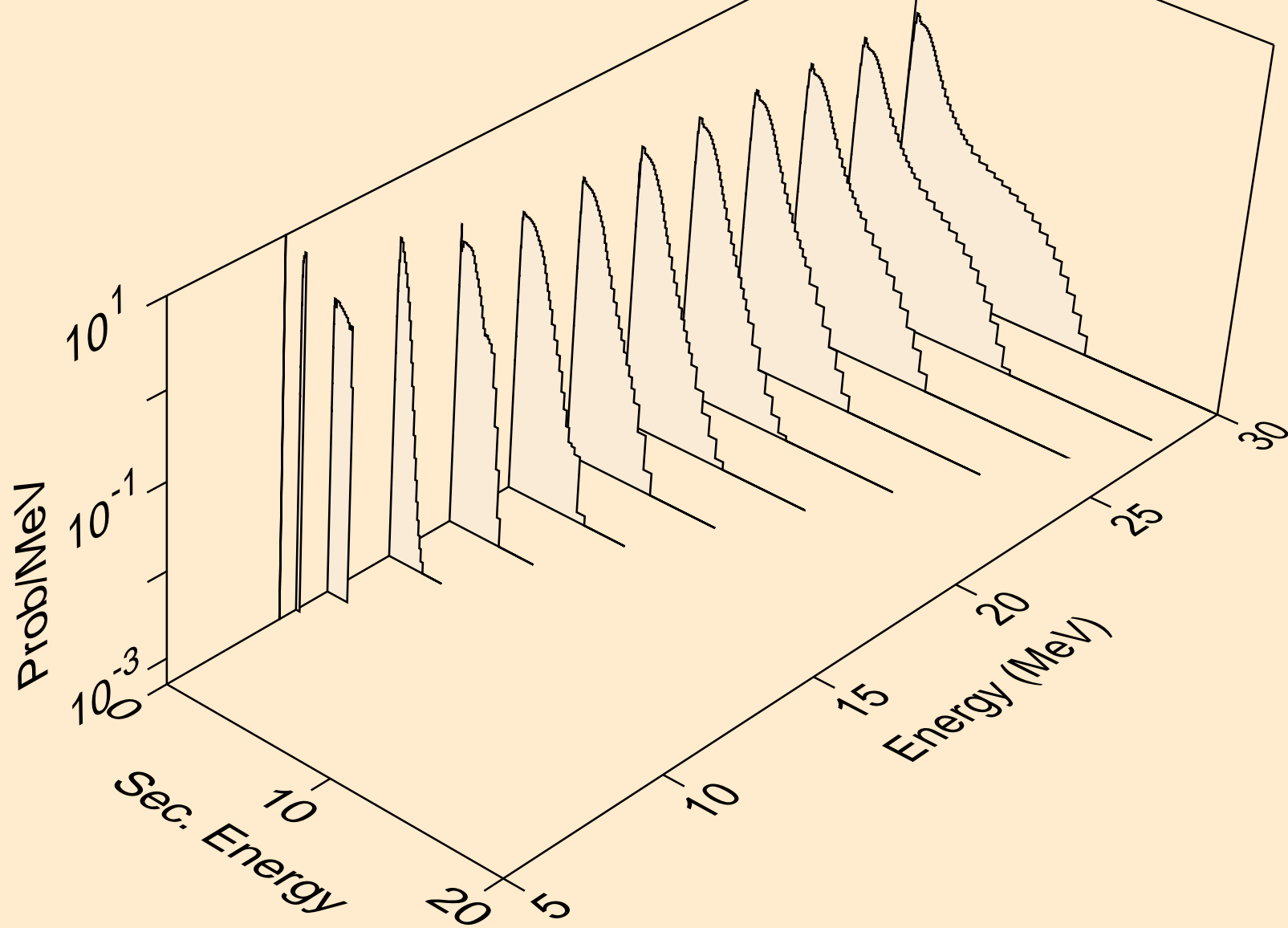
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a



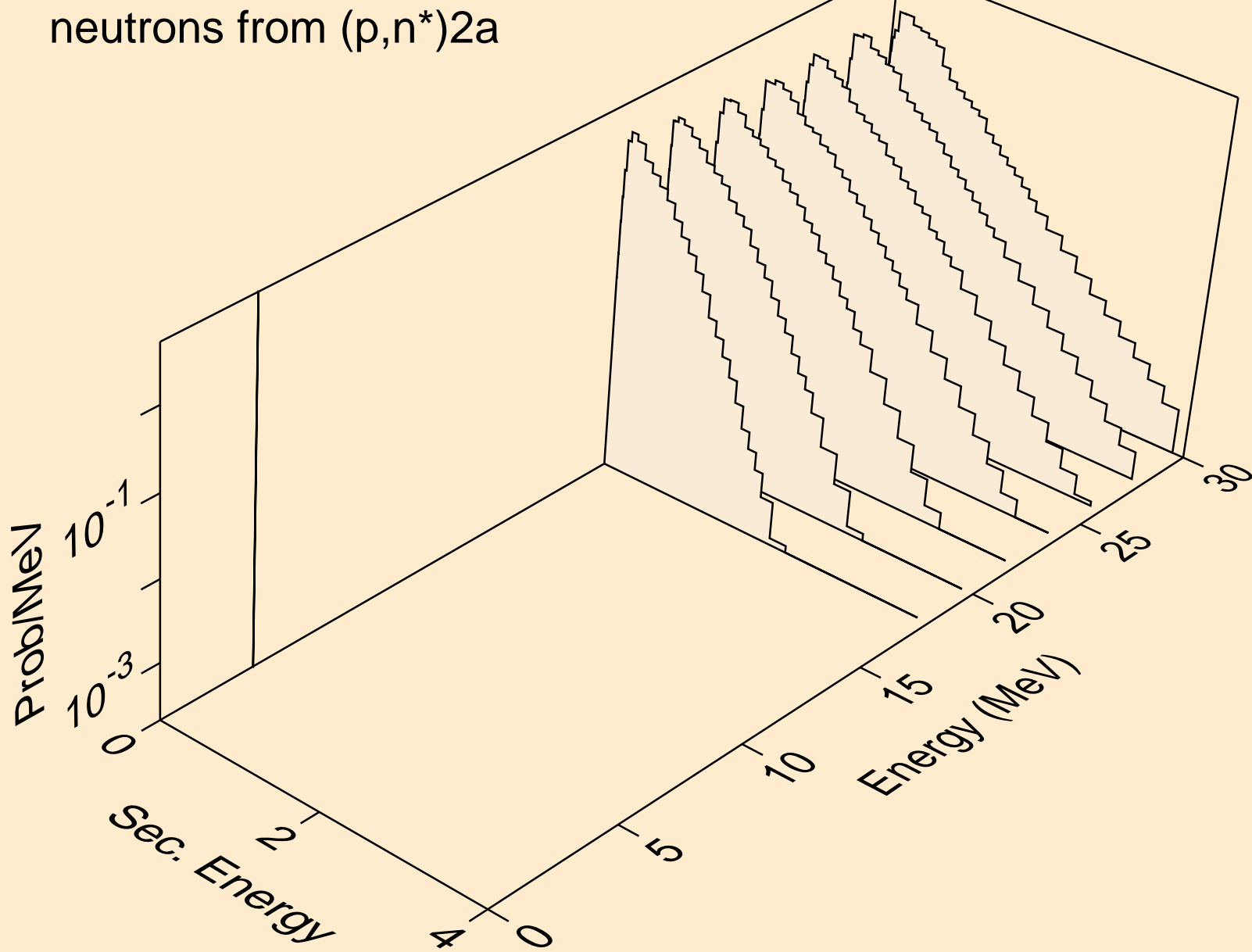
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neutrons from (p,2n)a



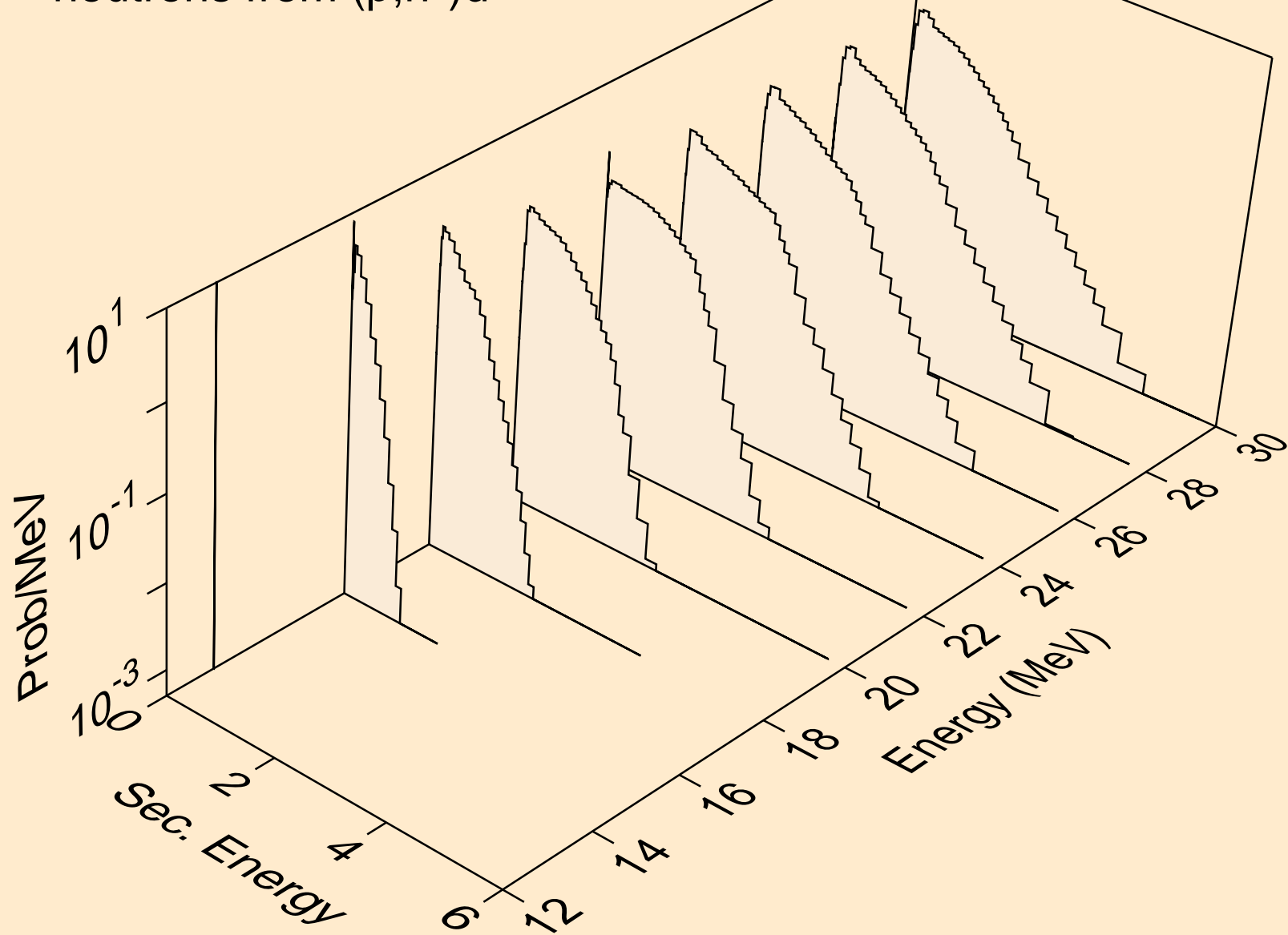
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neutrons from (p,n\*)p



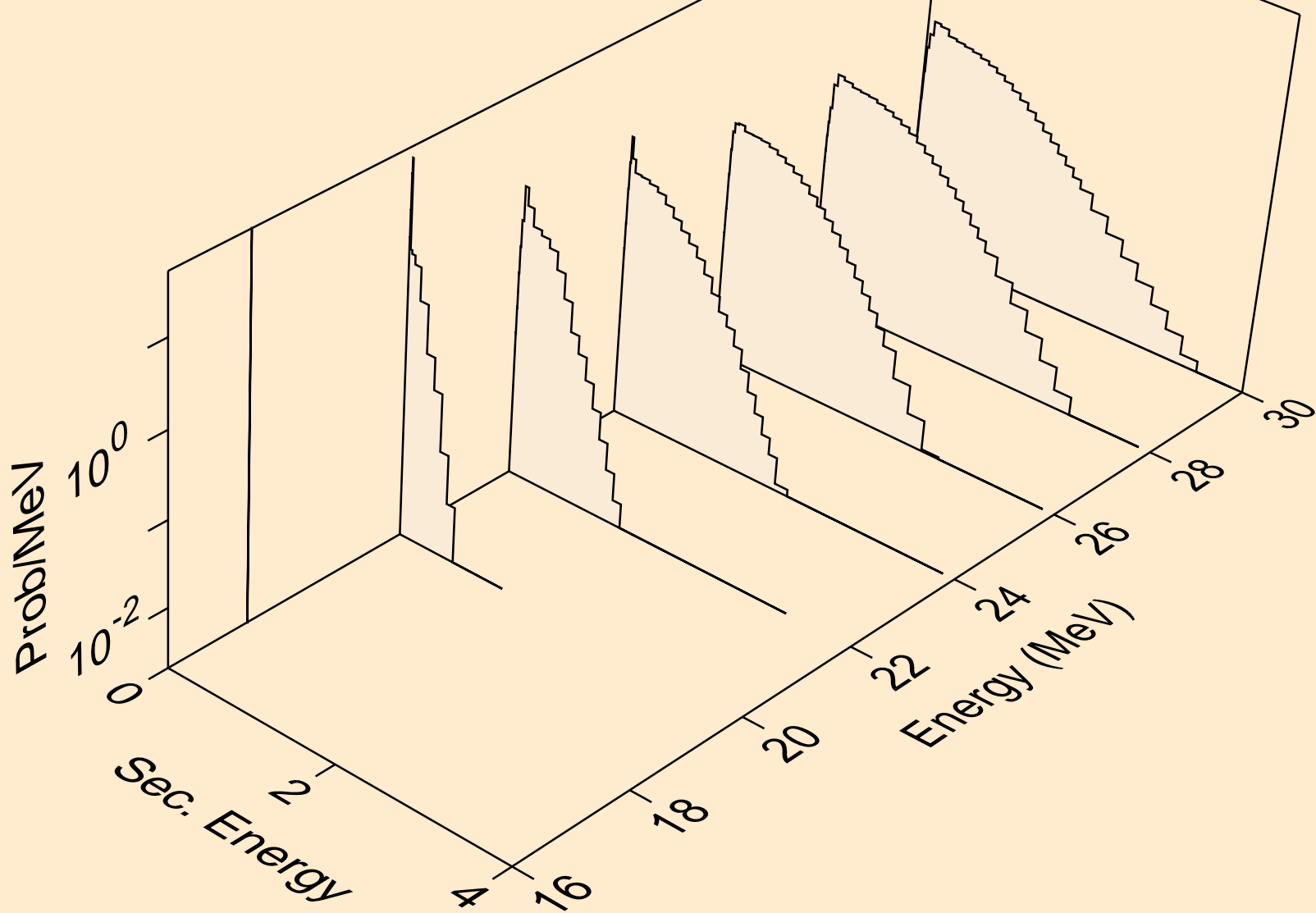
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neutrons from (p,n\*)2a



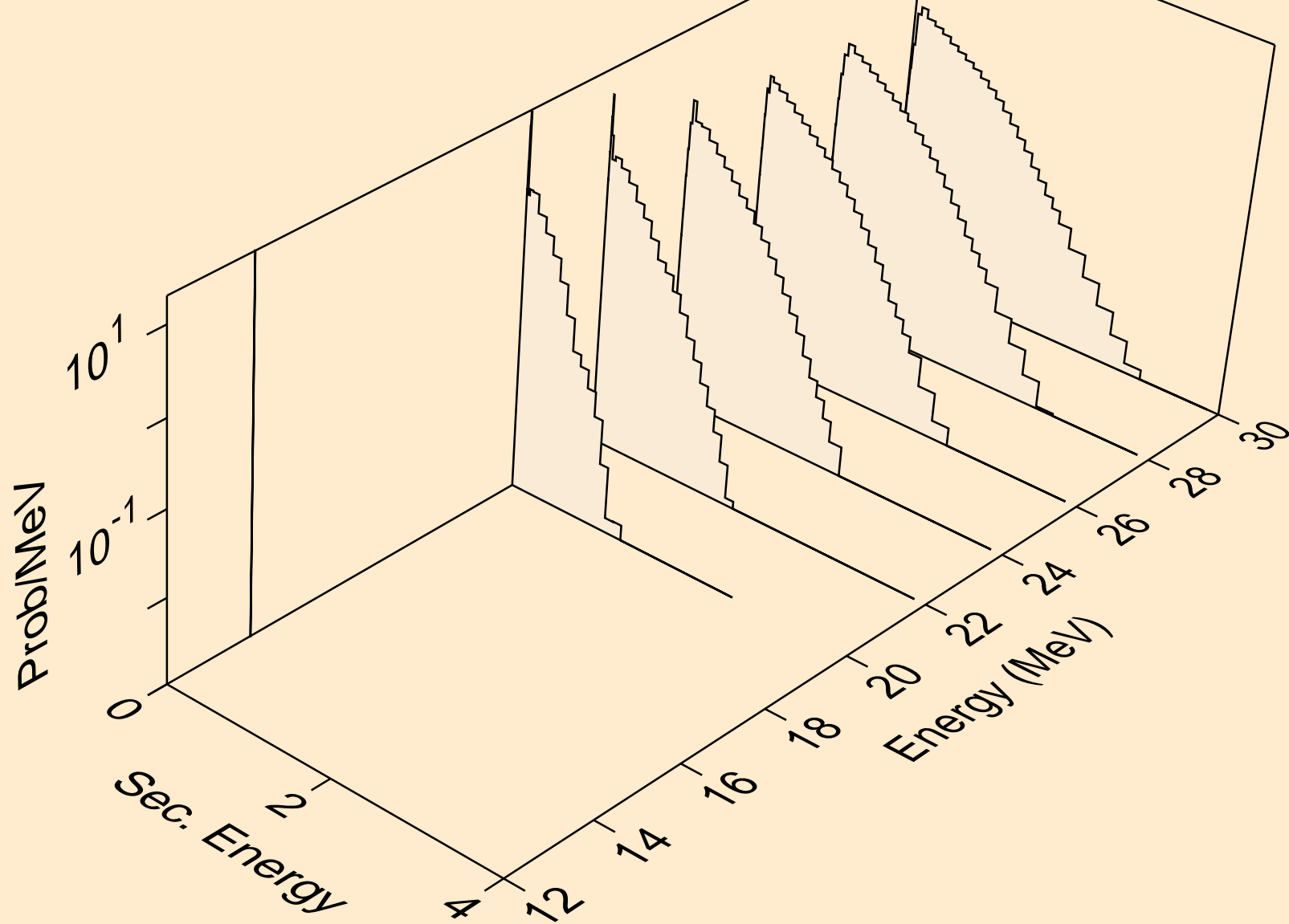
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neutrons from (p,n\*)d



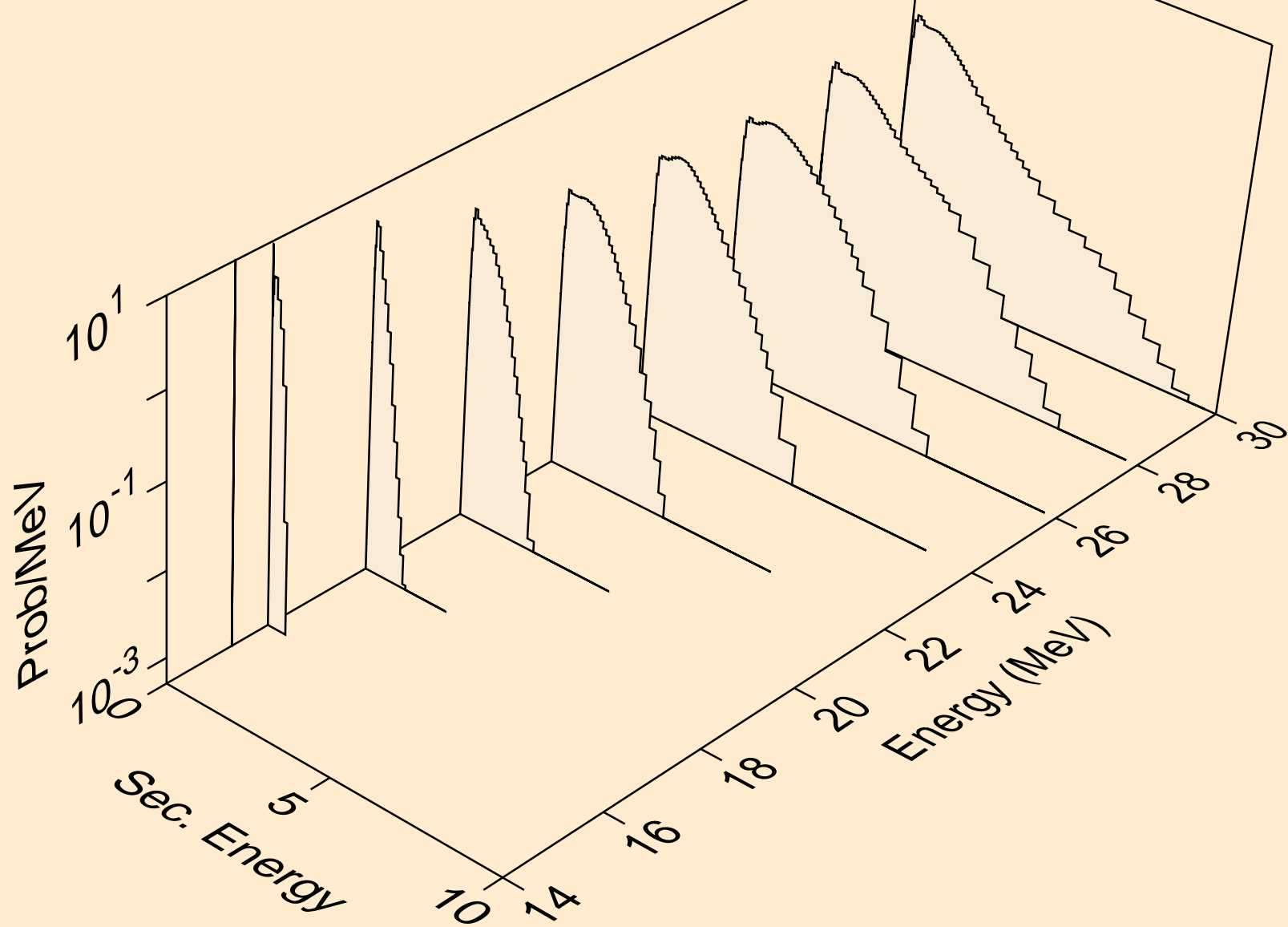
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)t



SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3

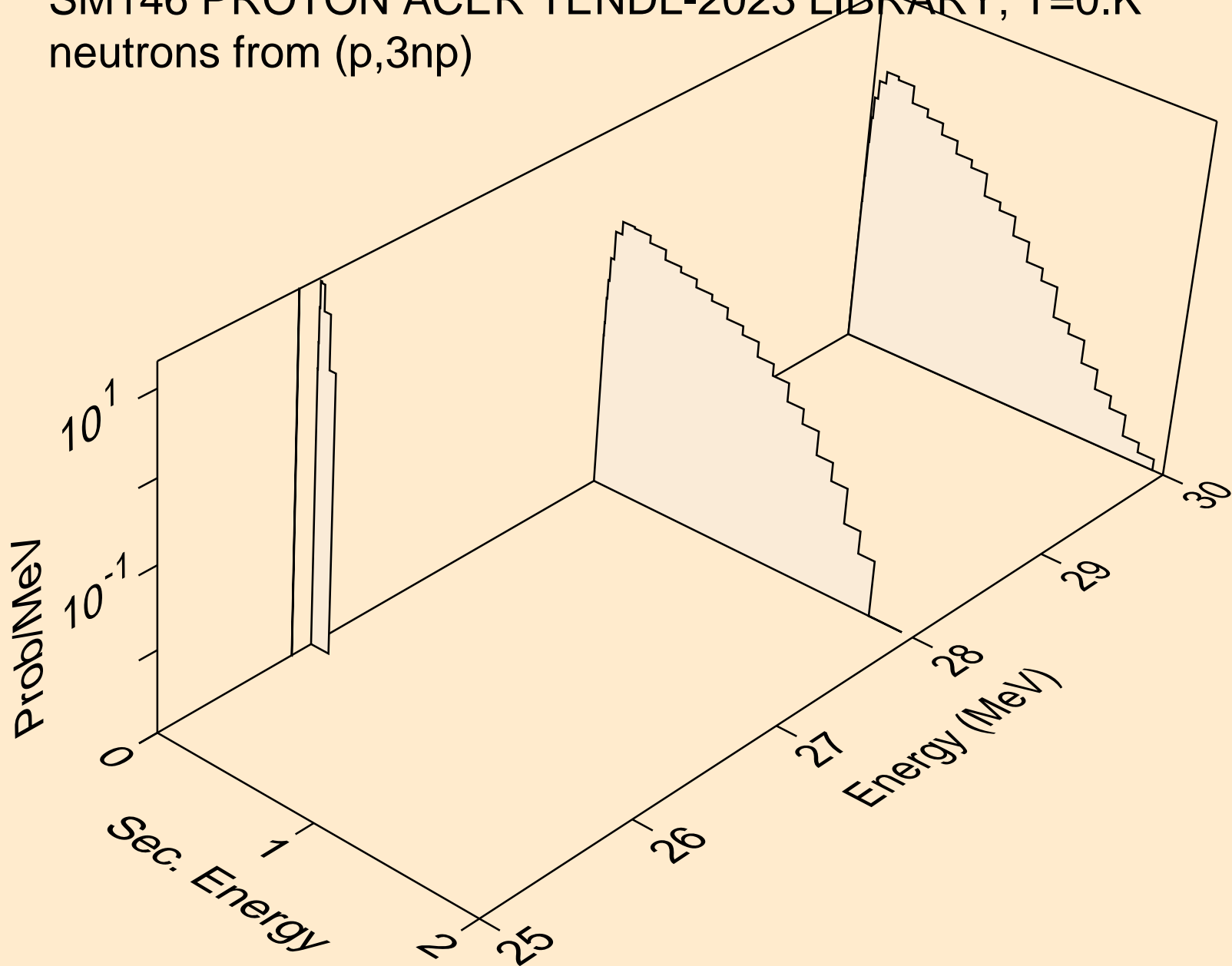


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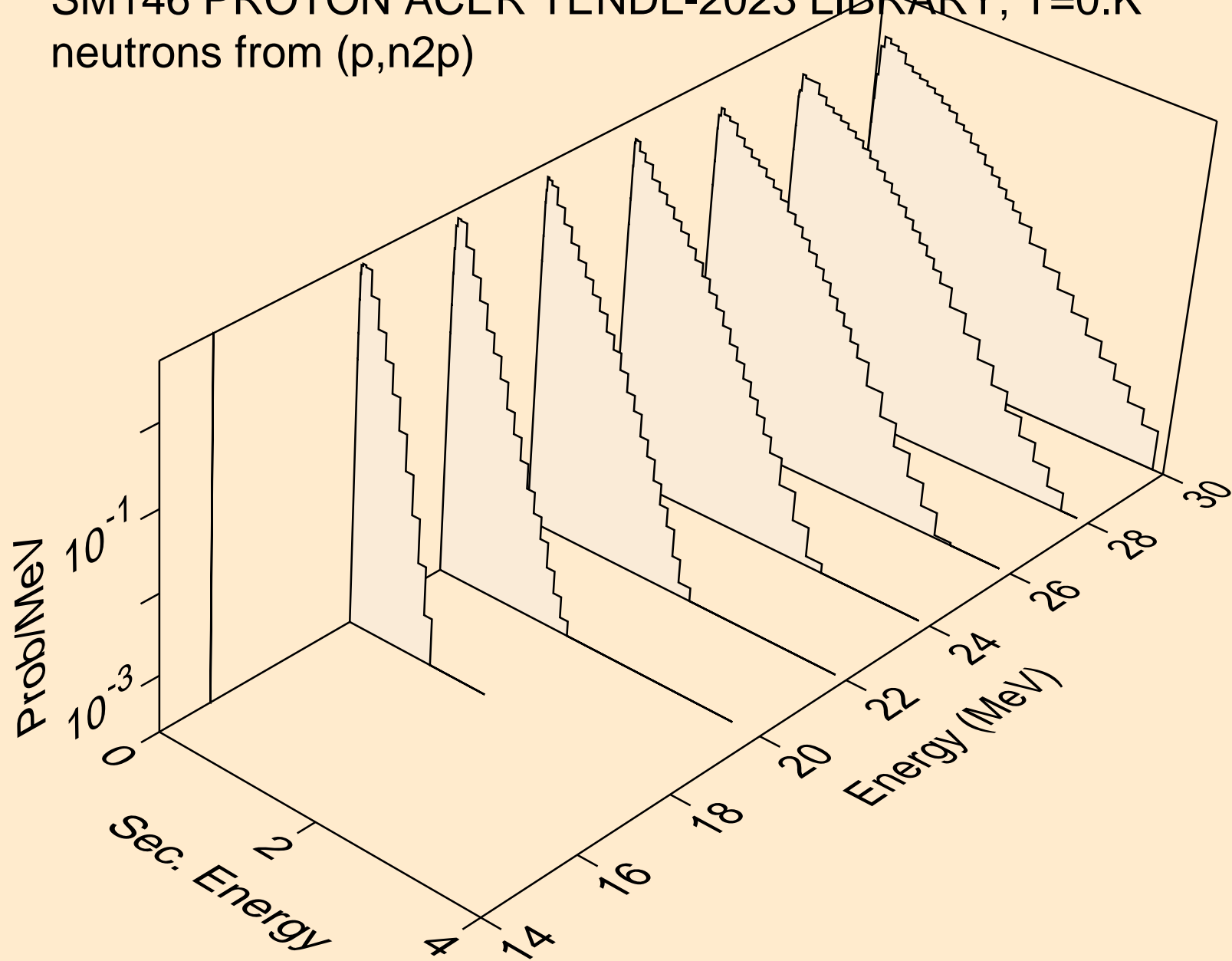




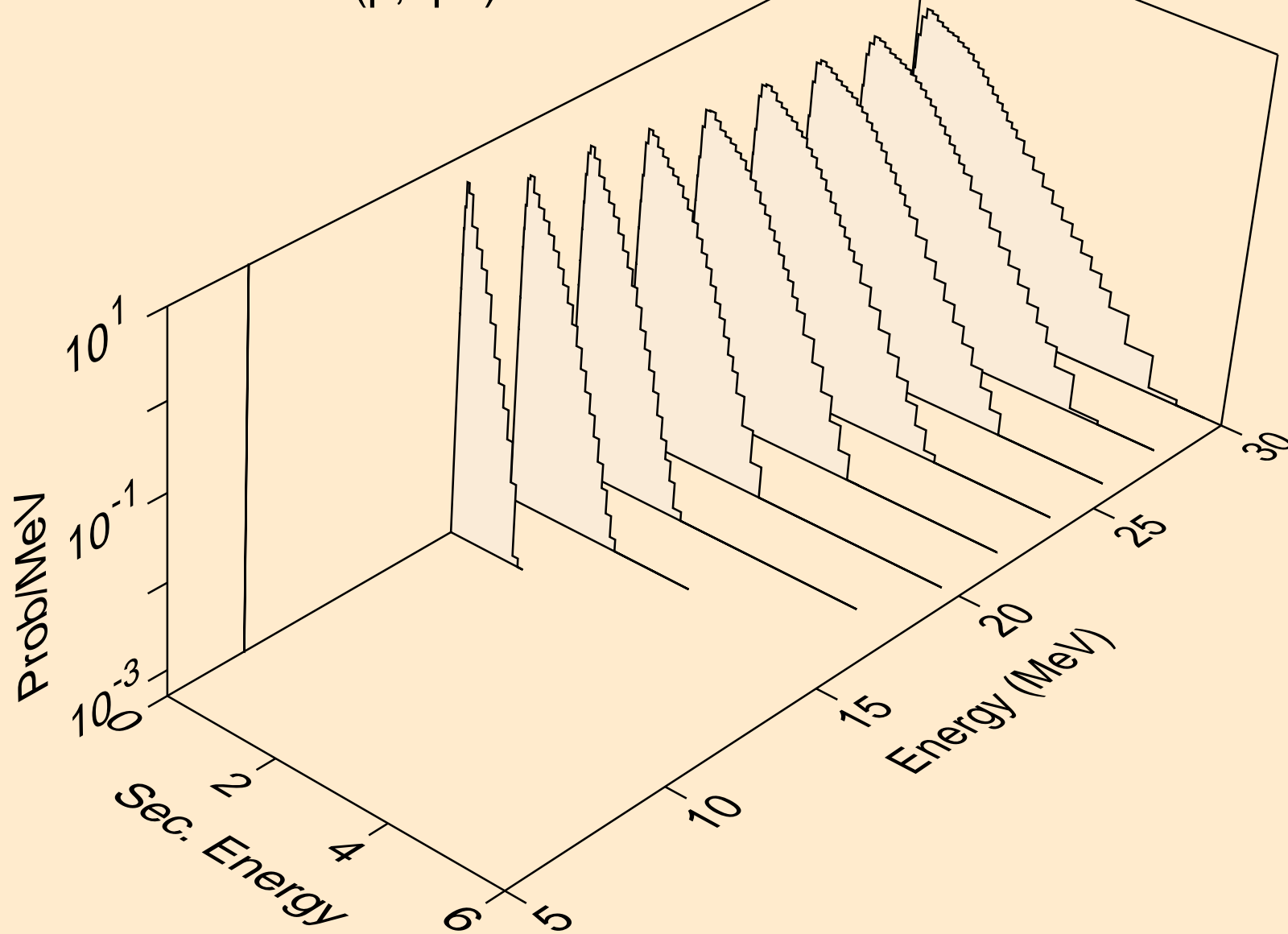
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neutrons from (p,3np)



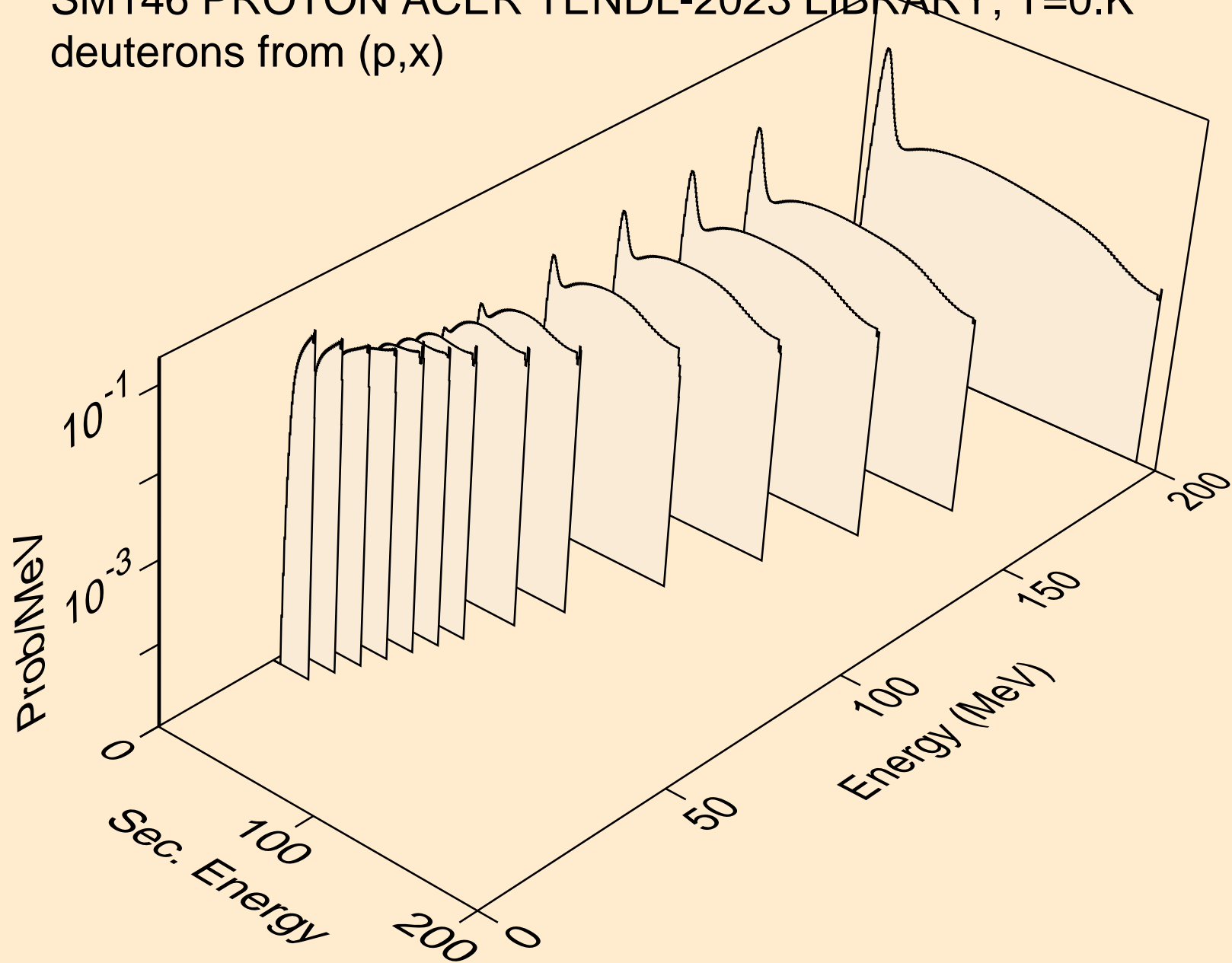
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n2p)



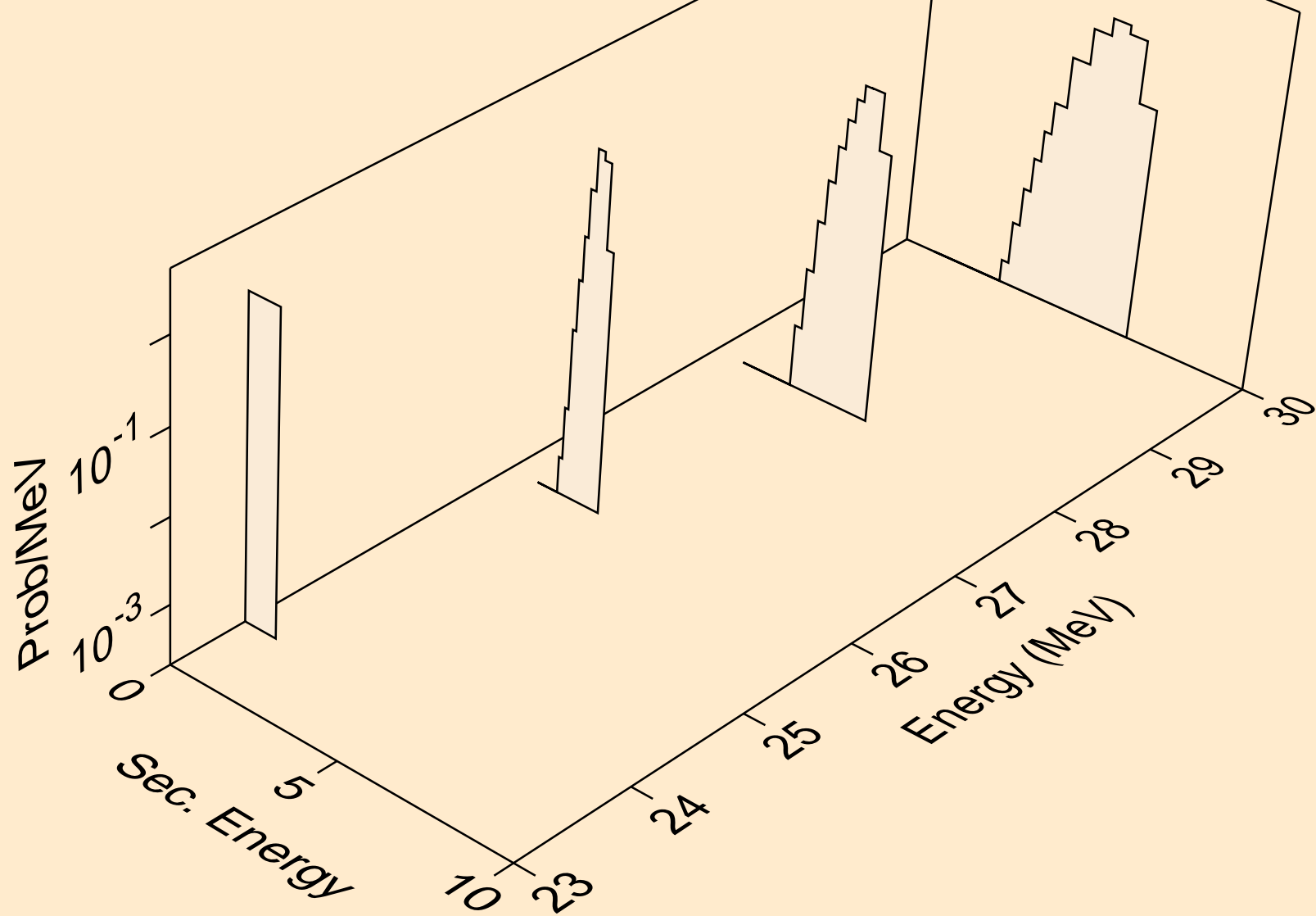
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,npa)



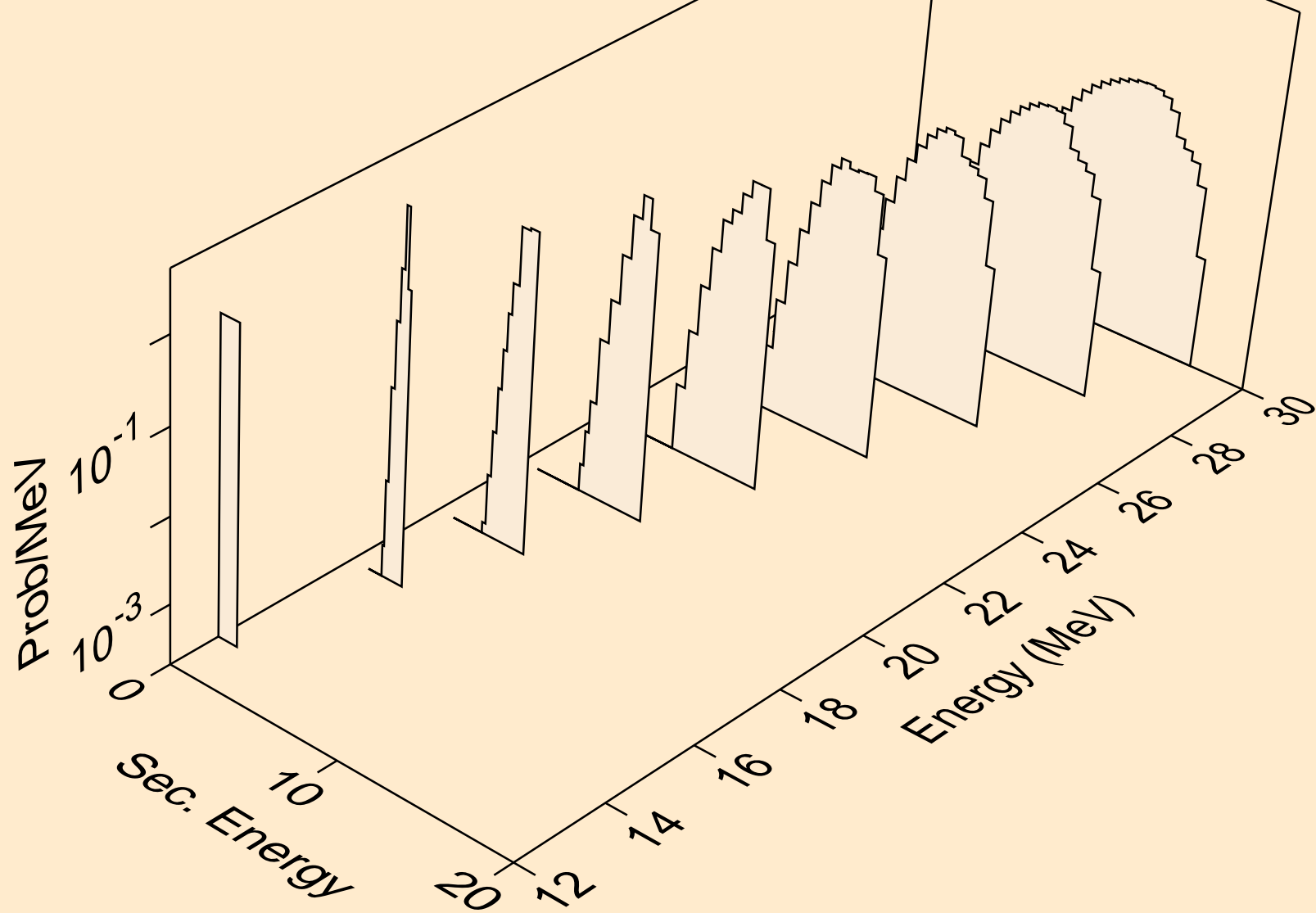
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,x)



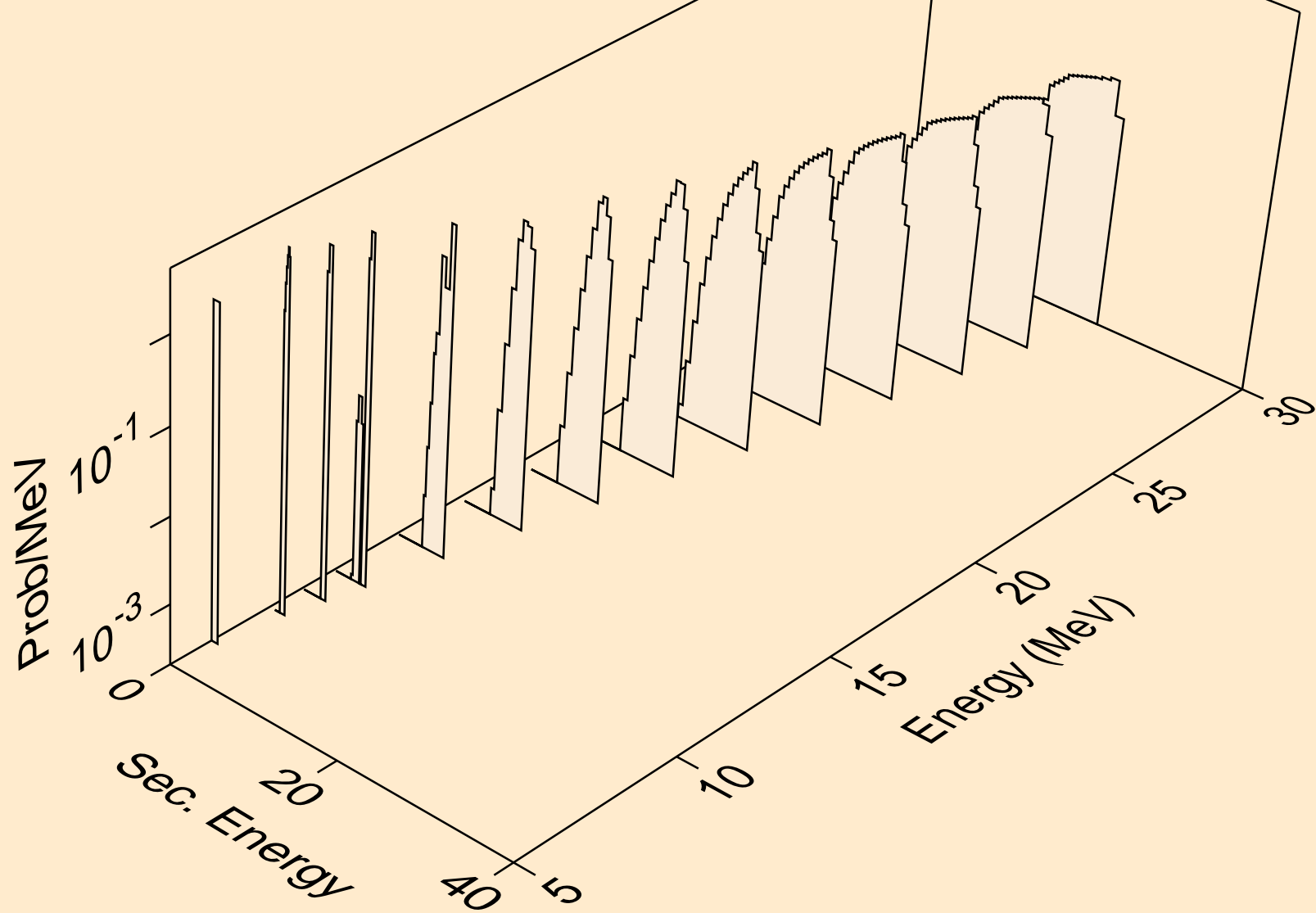
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deuterons from (p,2nd)



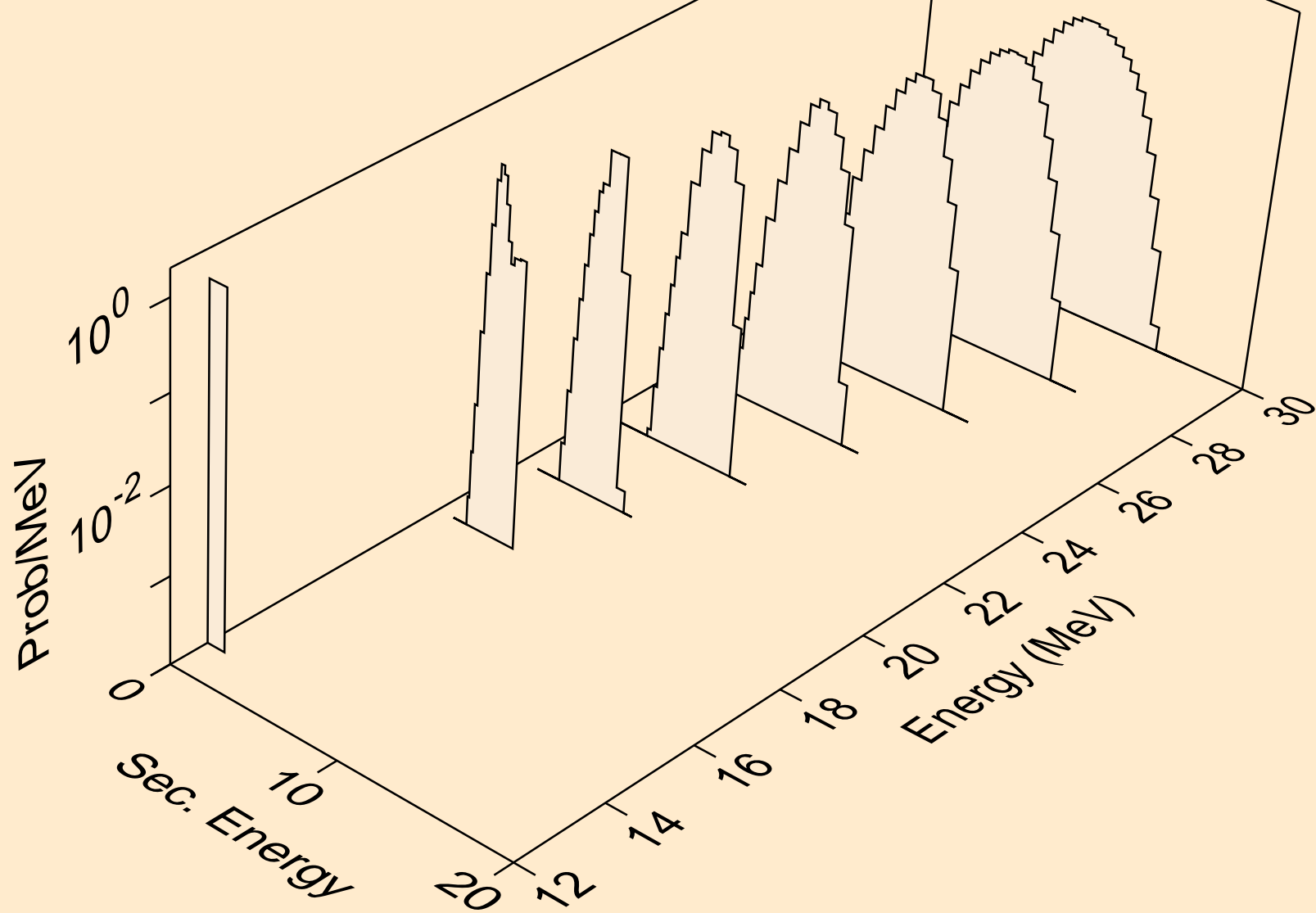
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,n\*)d



SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,d)

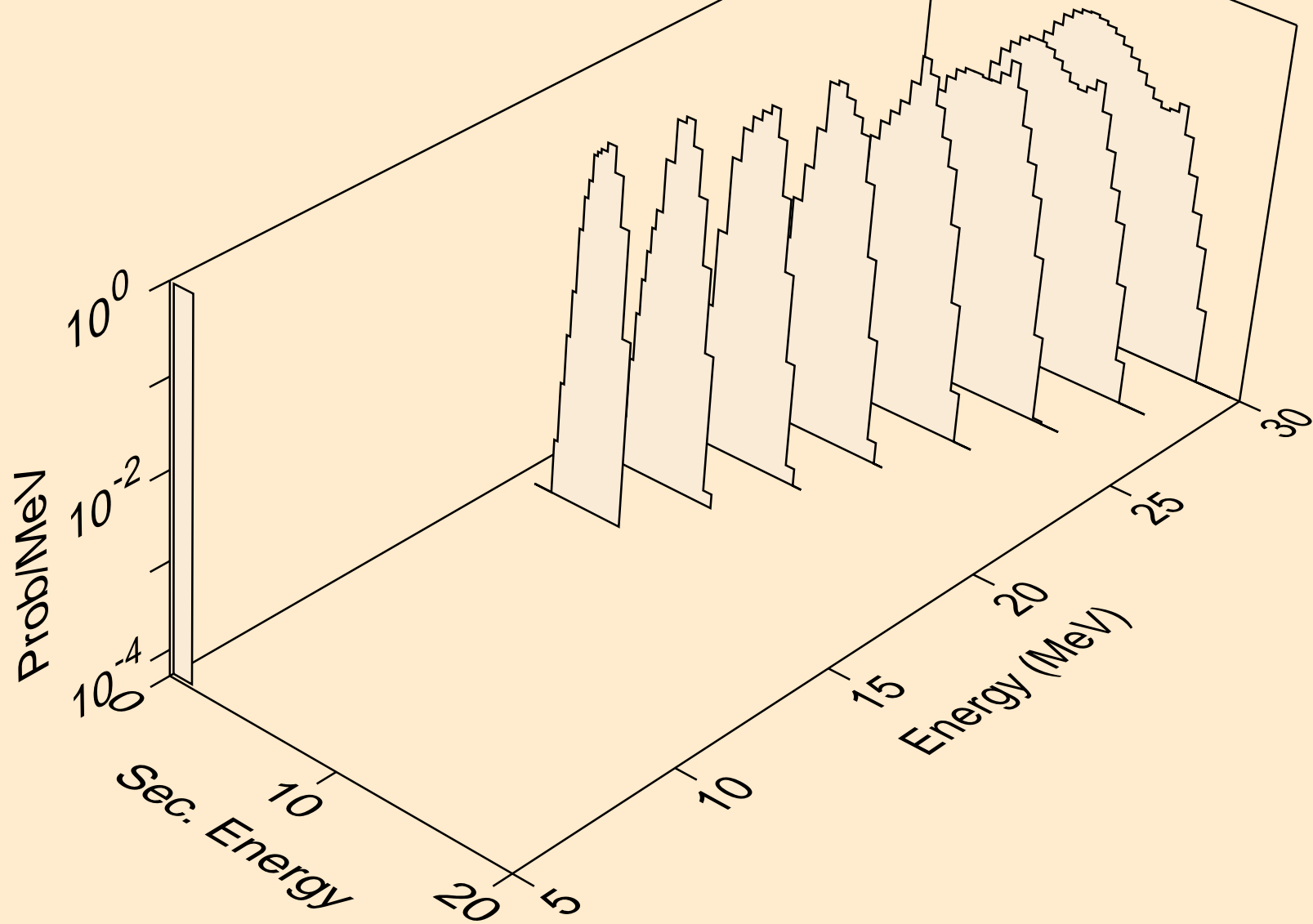


SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,pd)

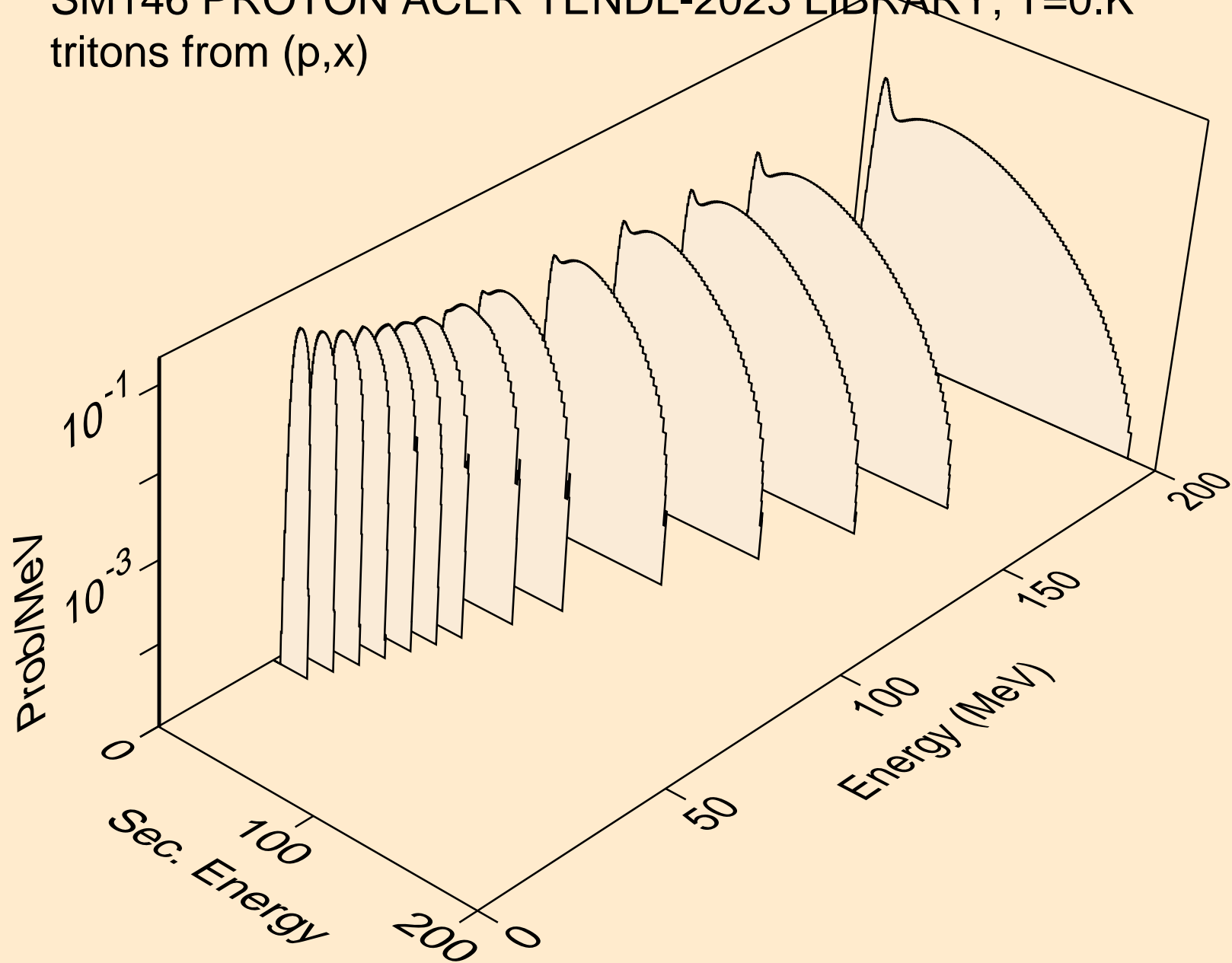




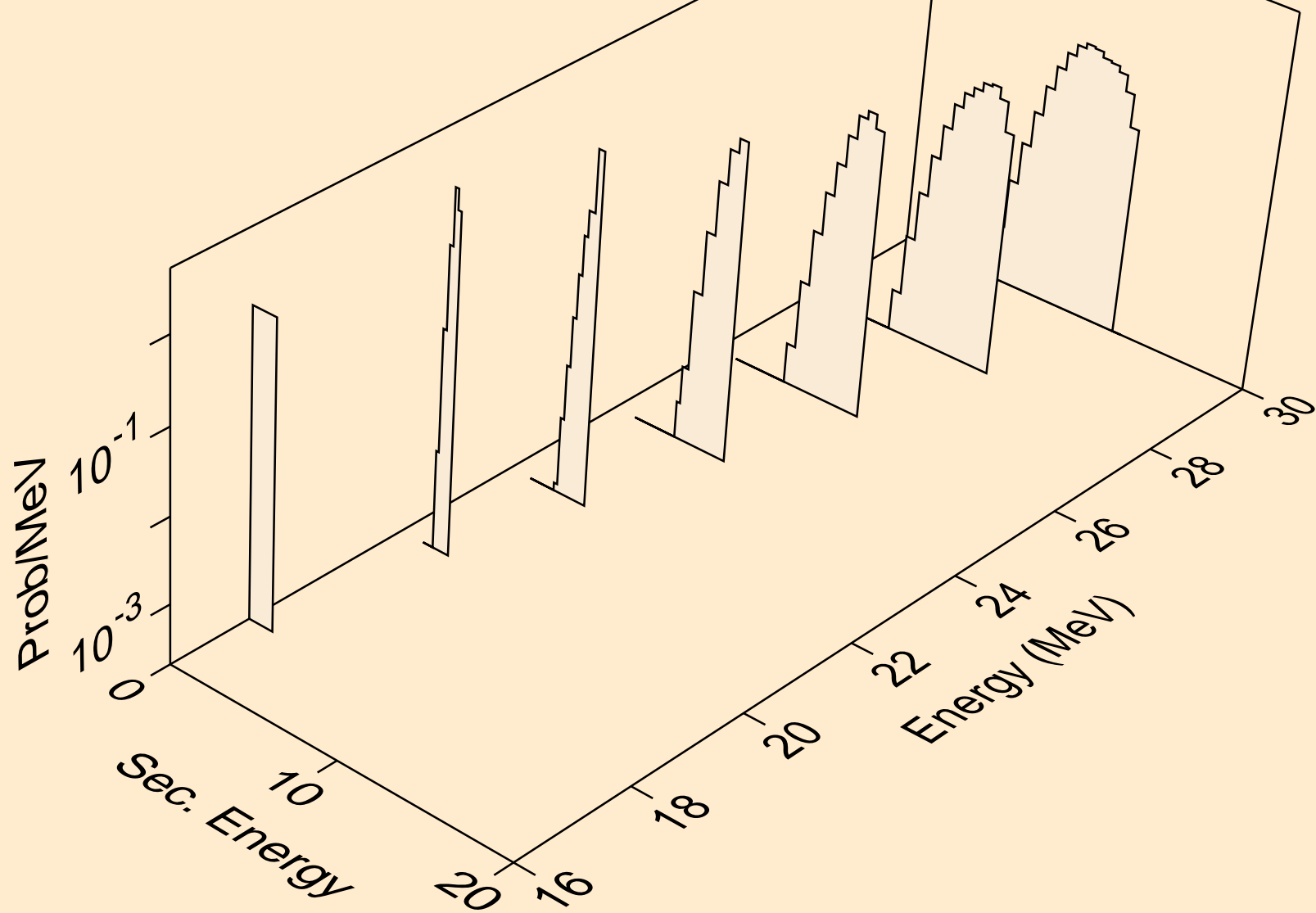
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,da)



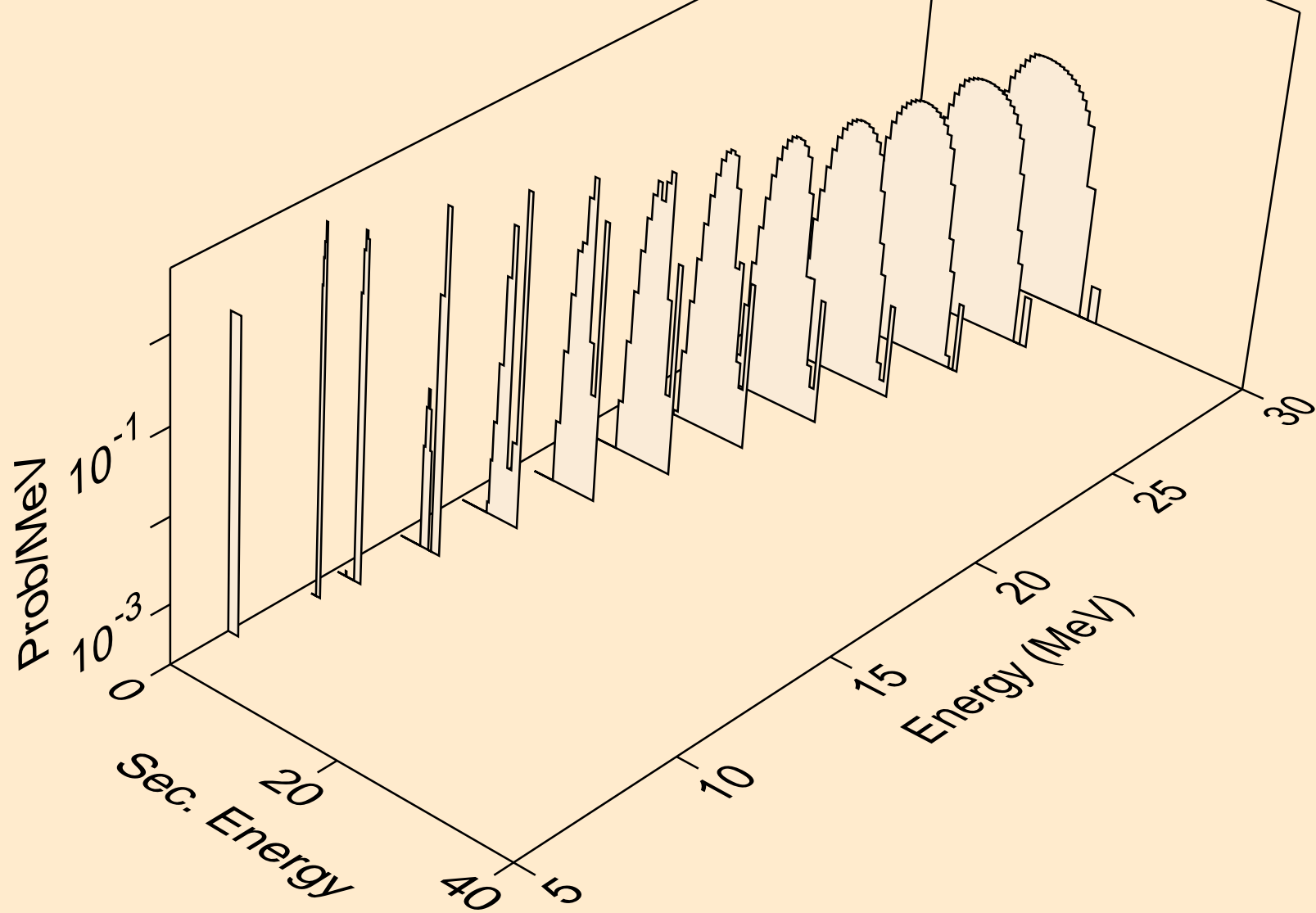
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)



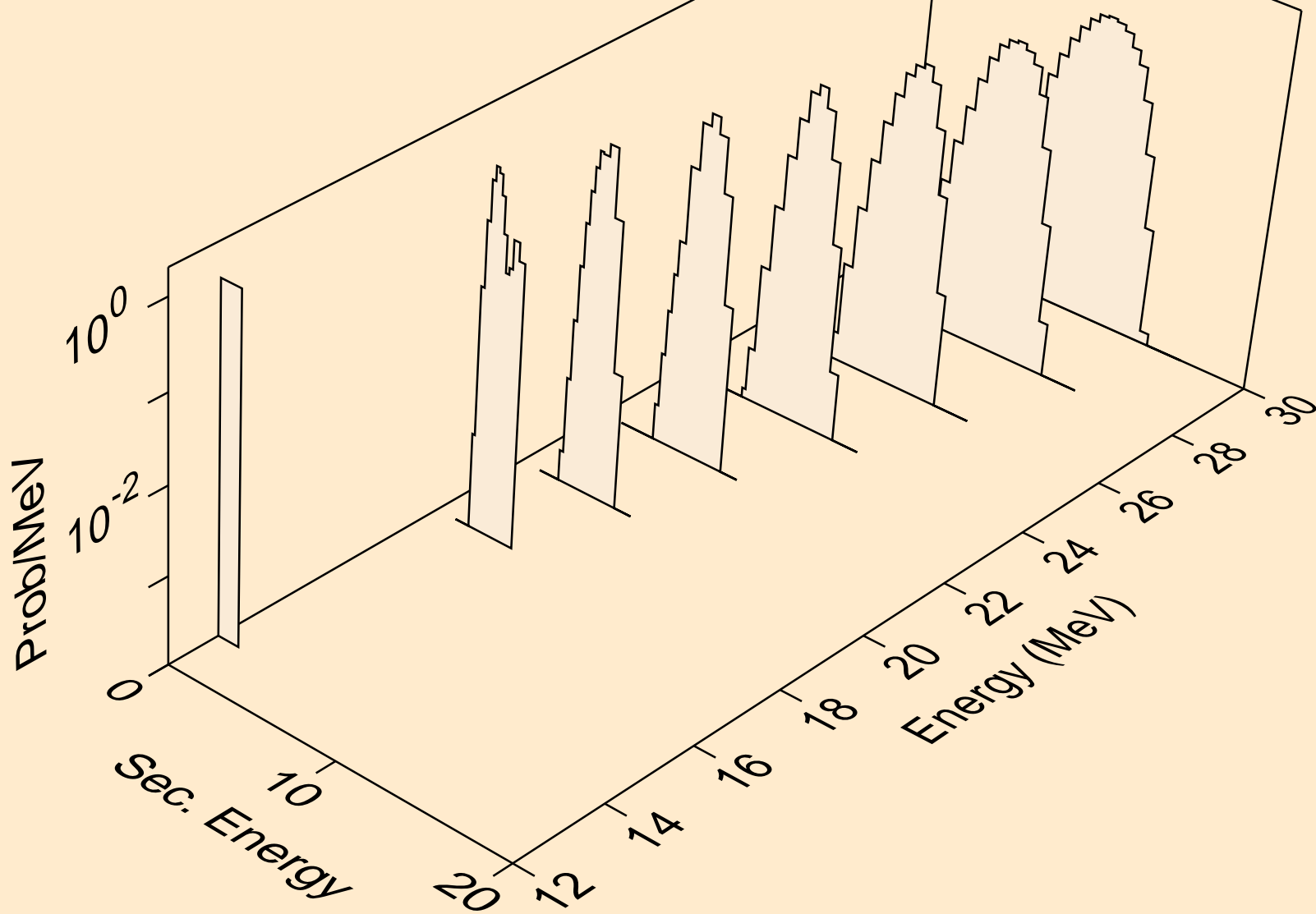
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,n\*)t



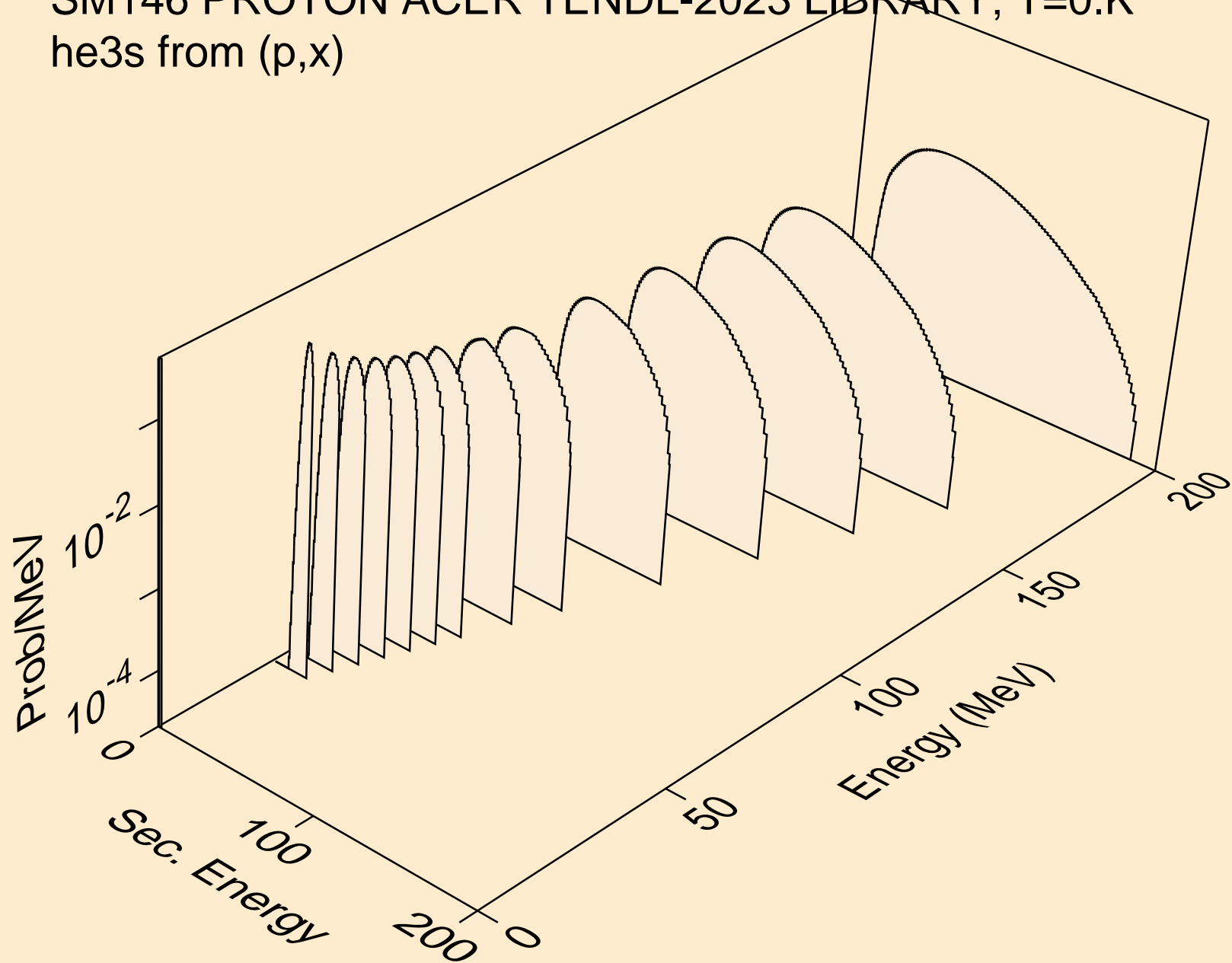
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tritons from (p,t)



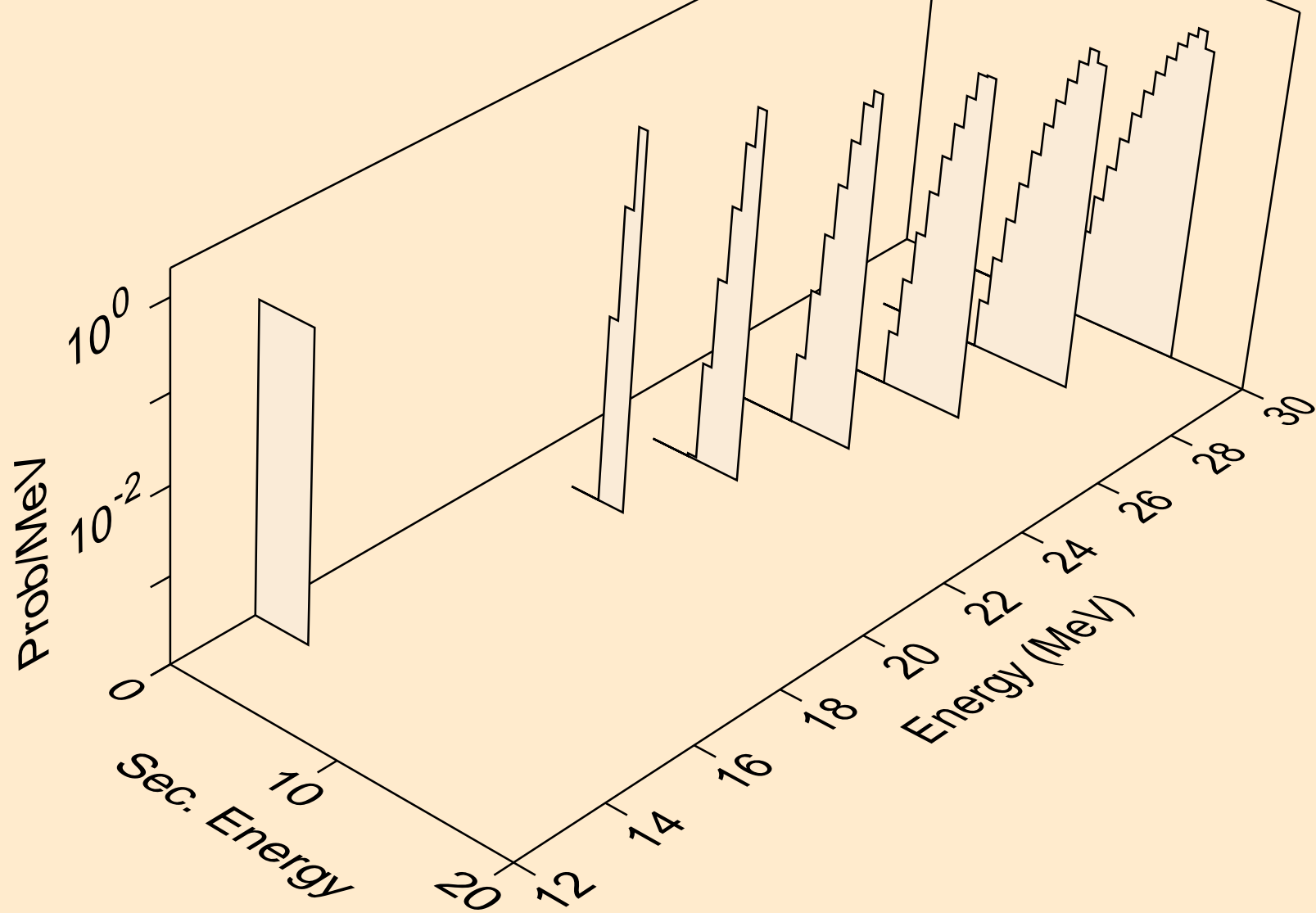
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tritons from (p,pt)



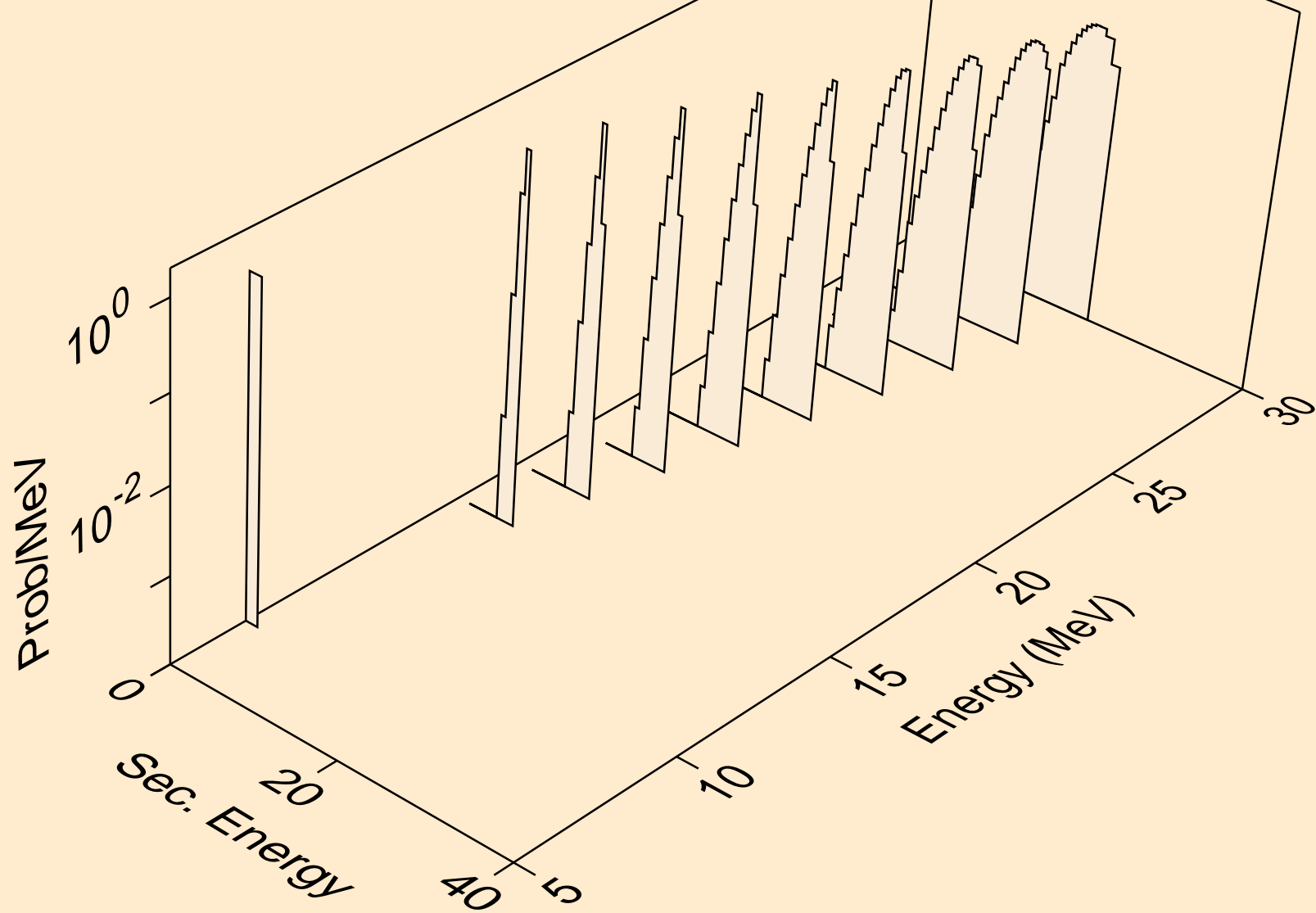
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)



SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3

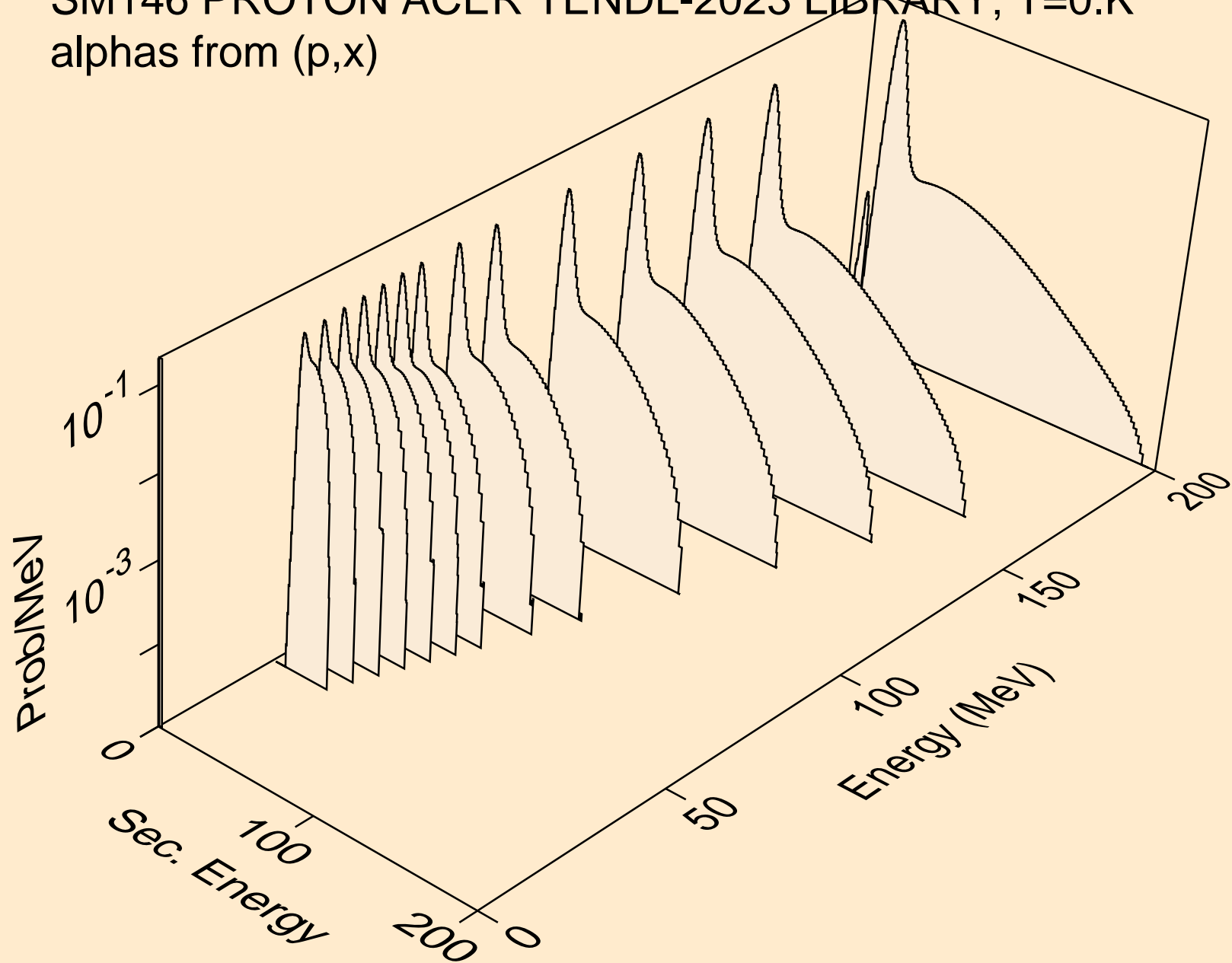


SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,he3)

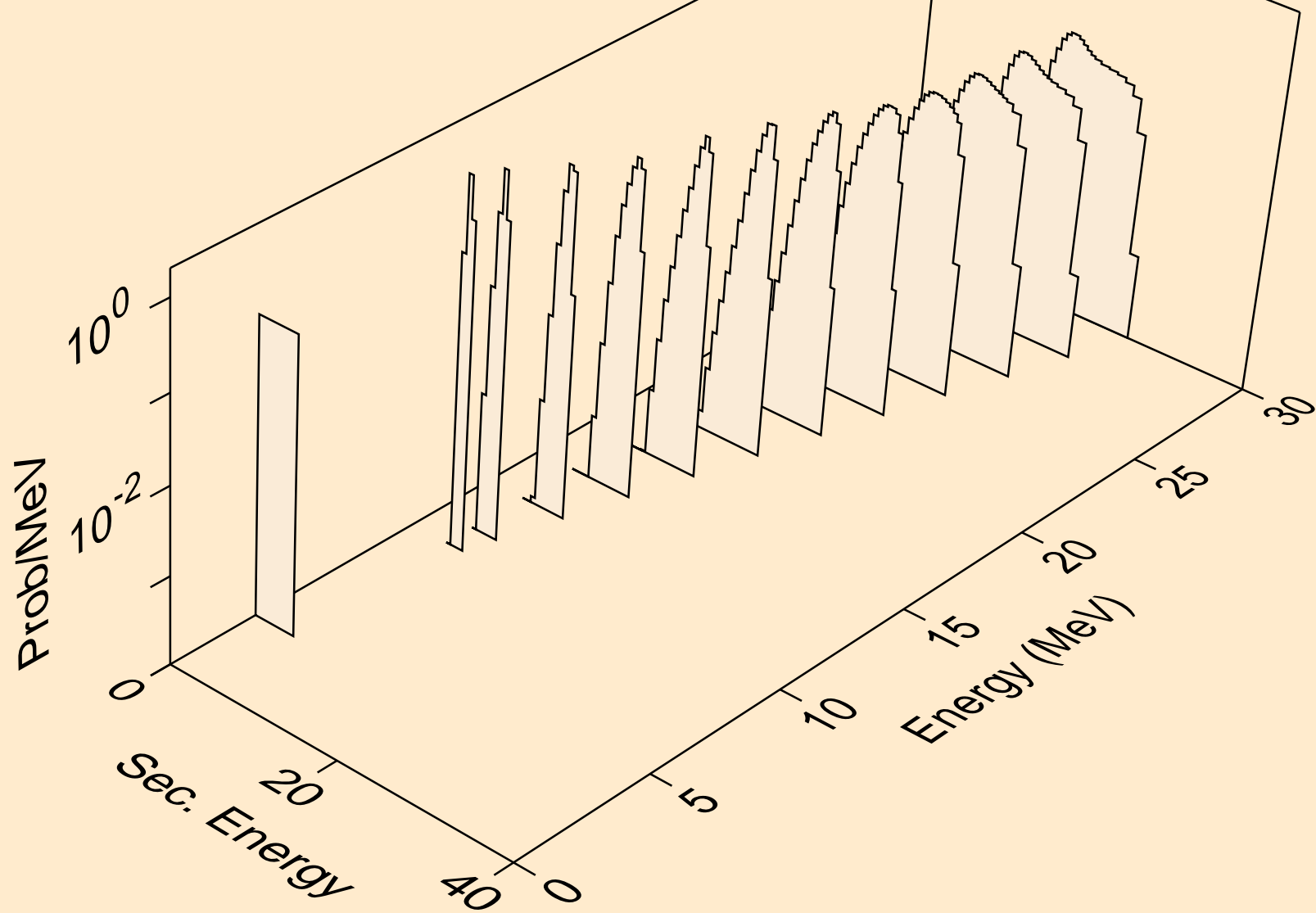




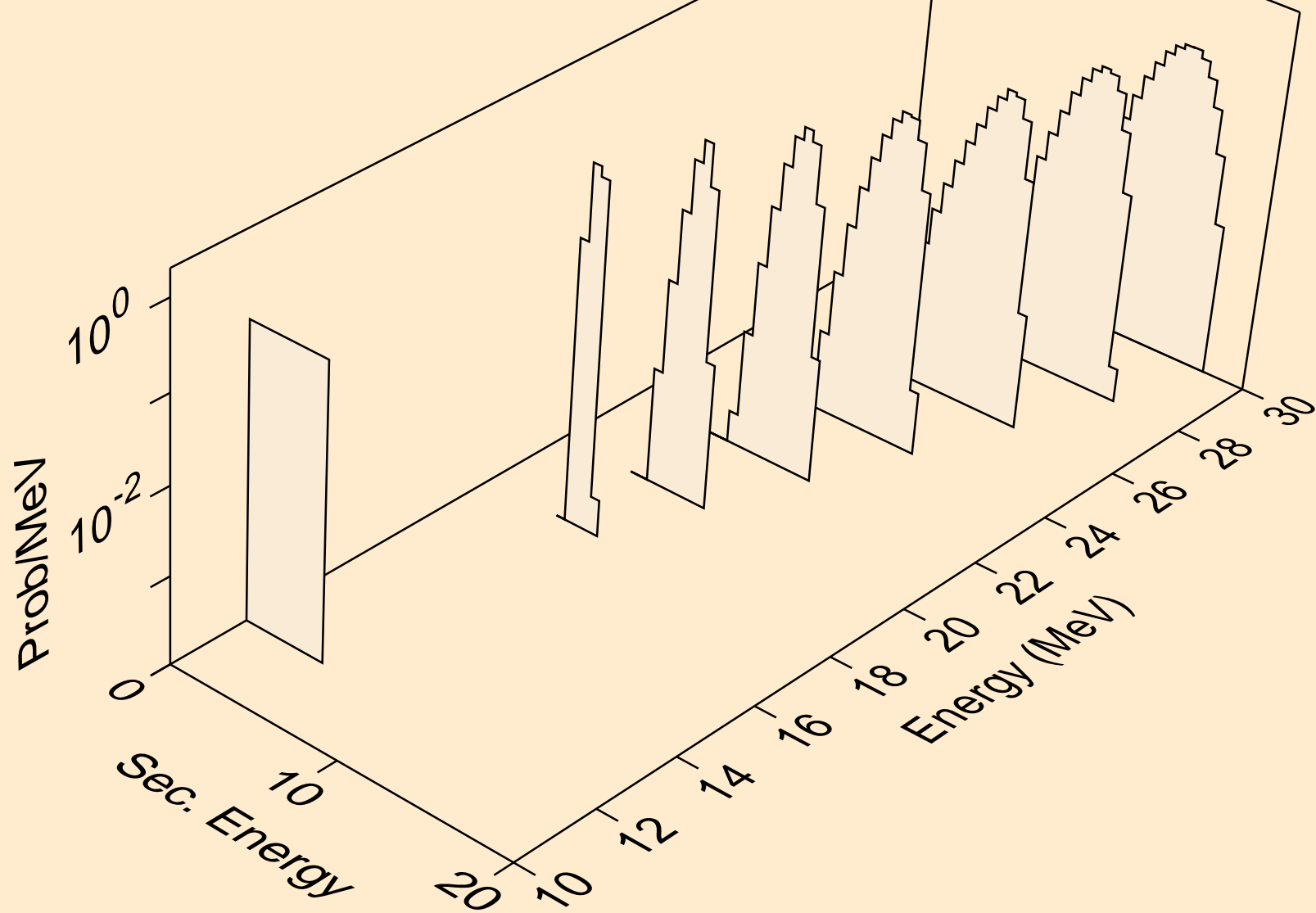
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)



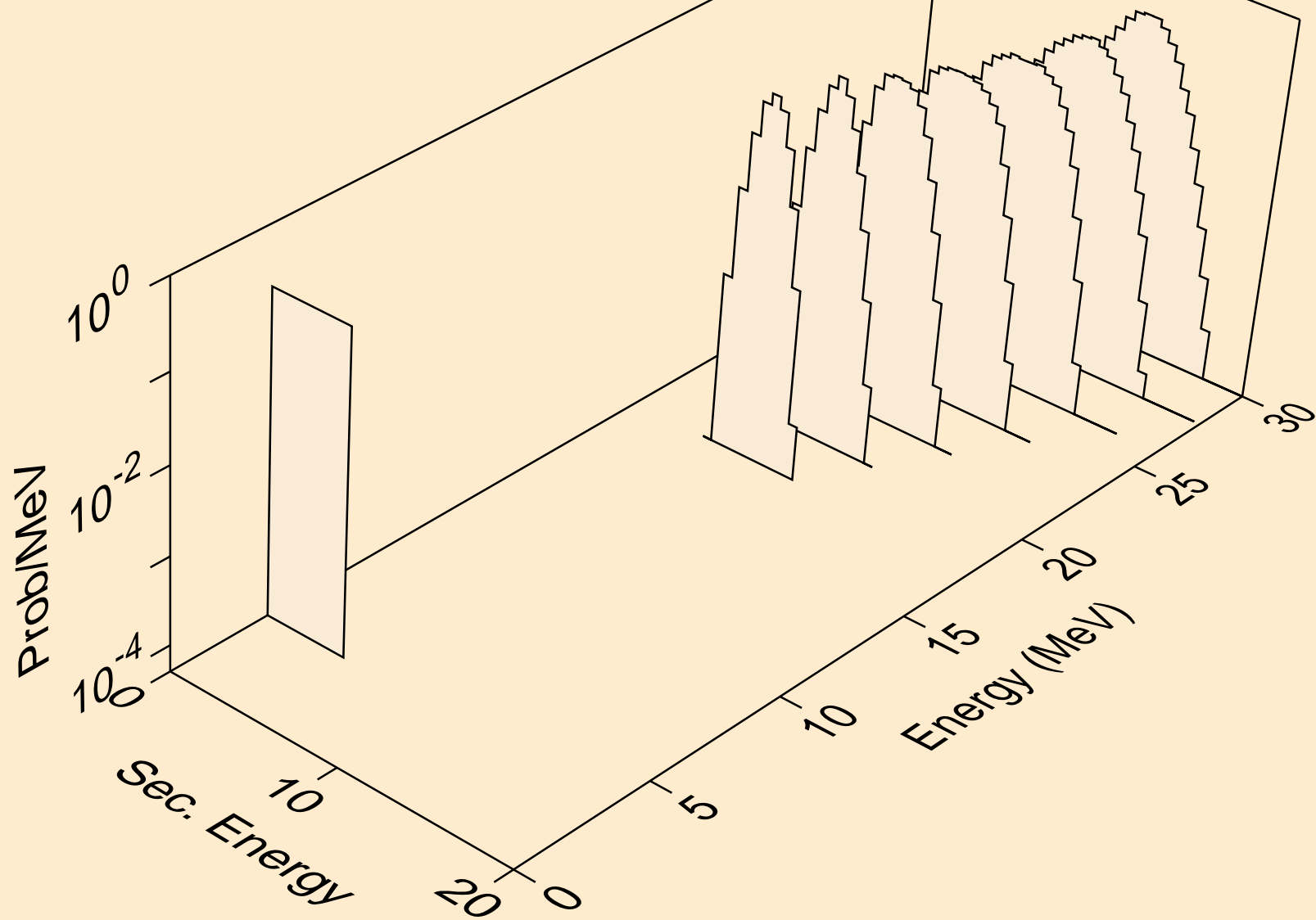
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a



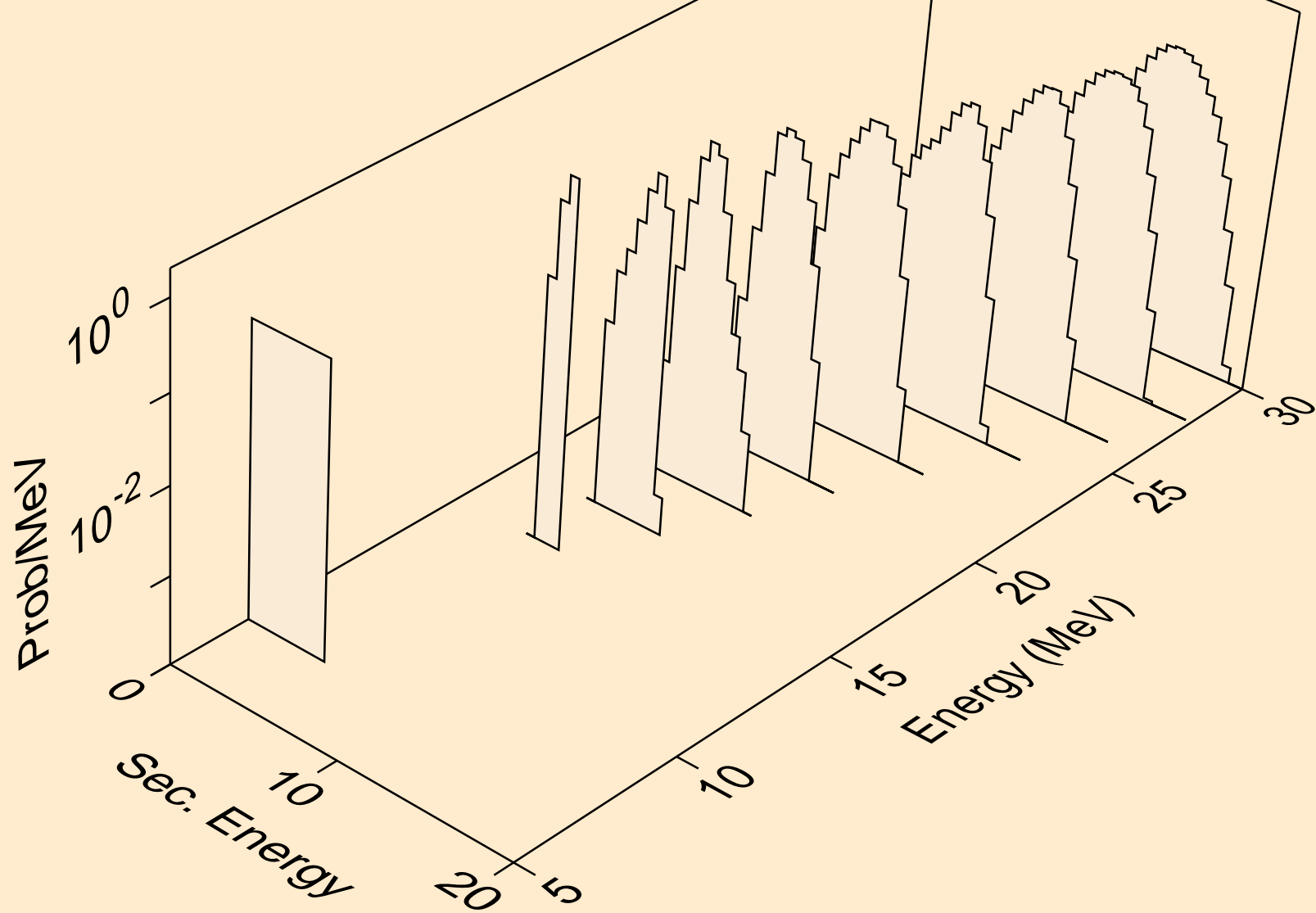
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)a



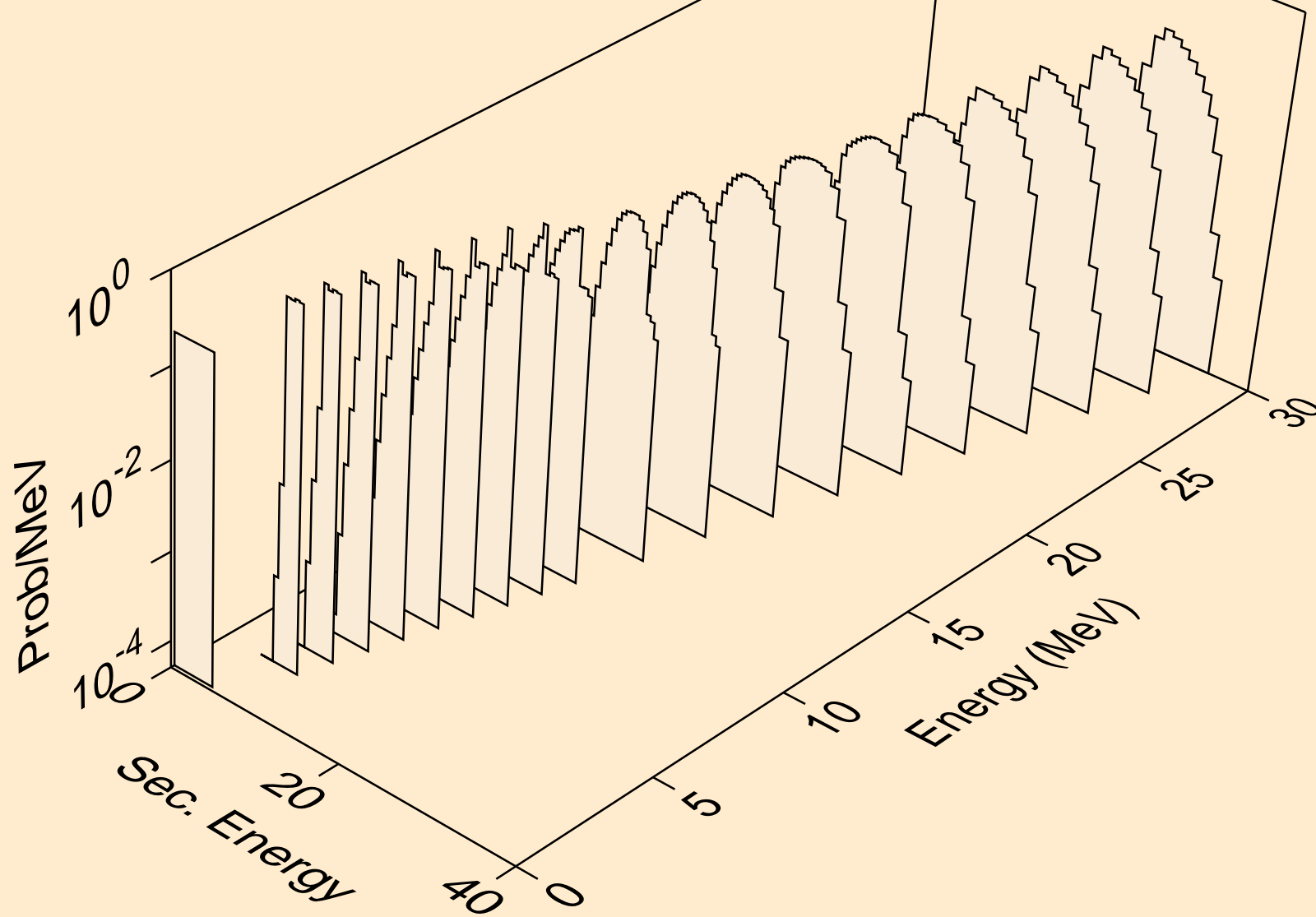
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)2a



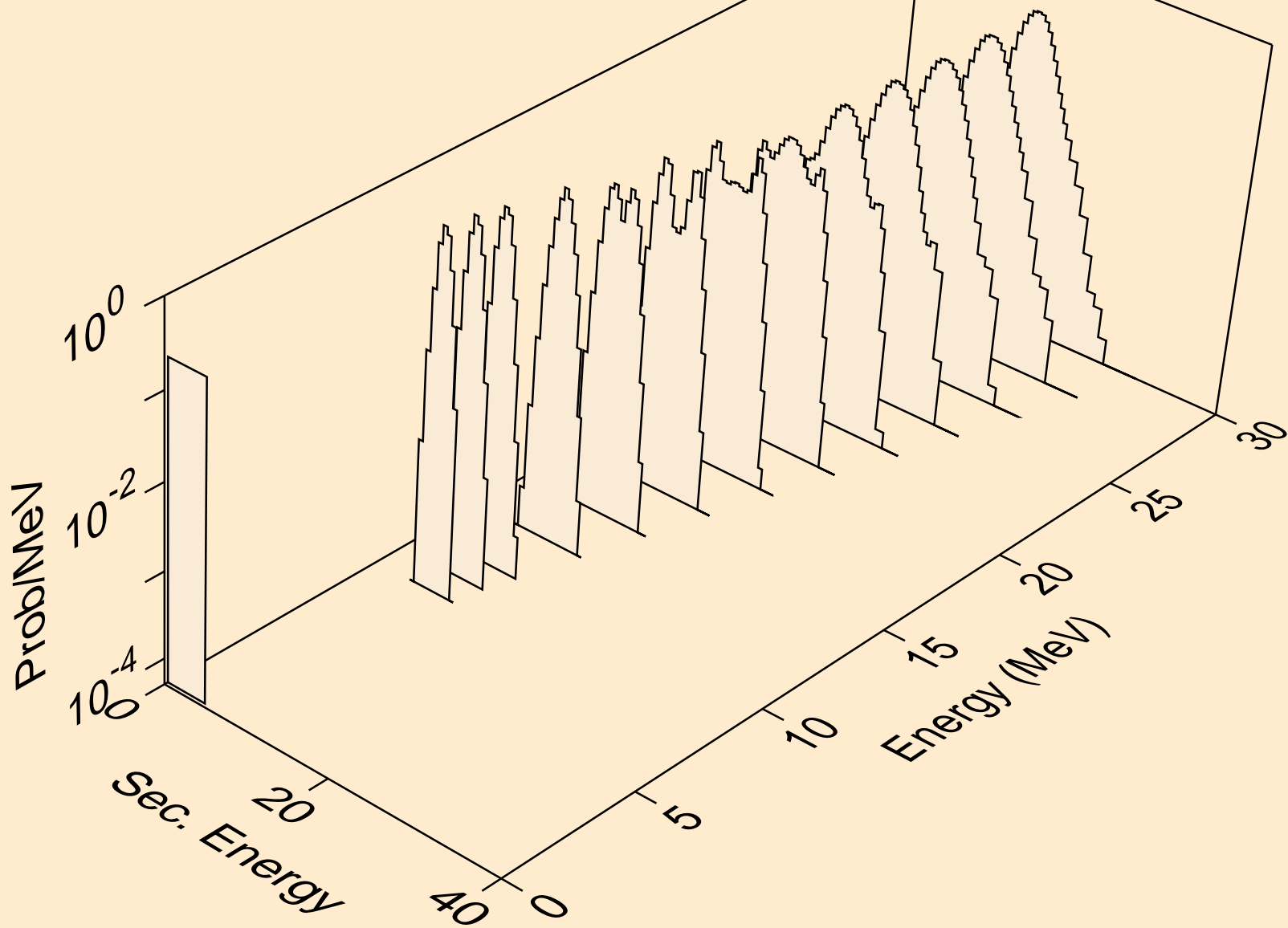
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,npa)



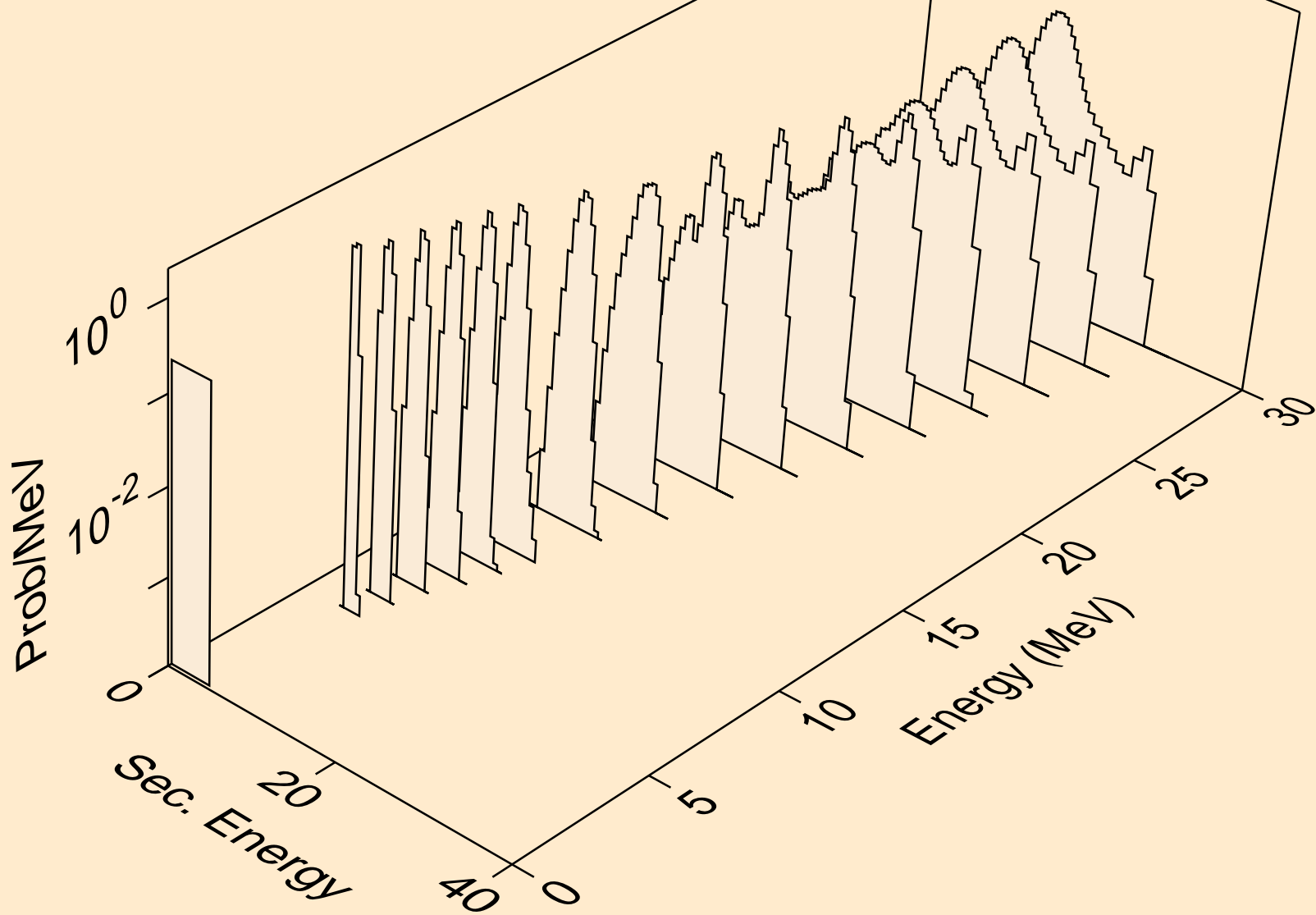
SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)



SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2a)



SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)





SM146 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,da)

