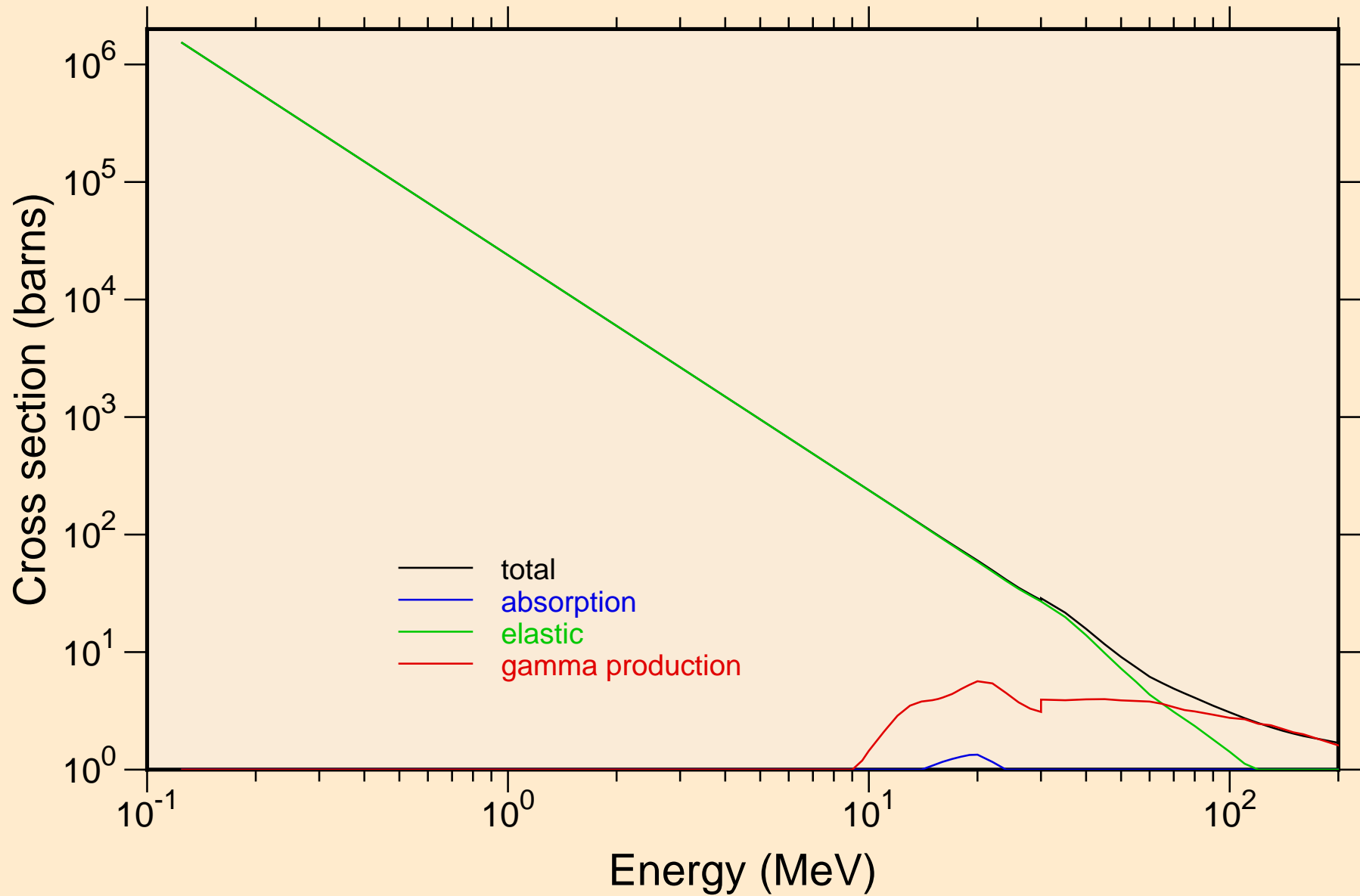


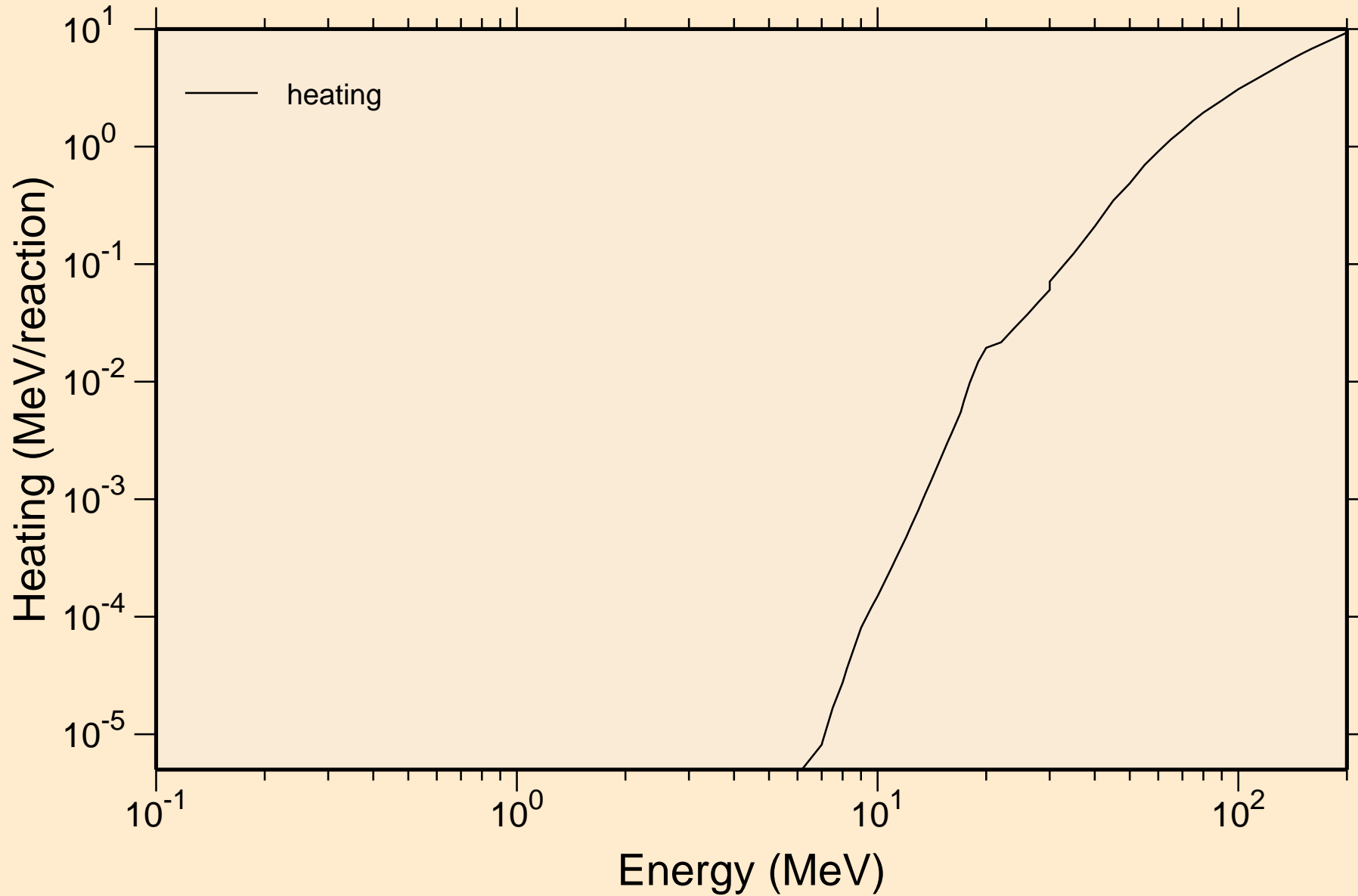
# SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



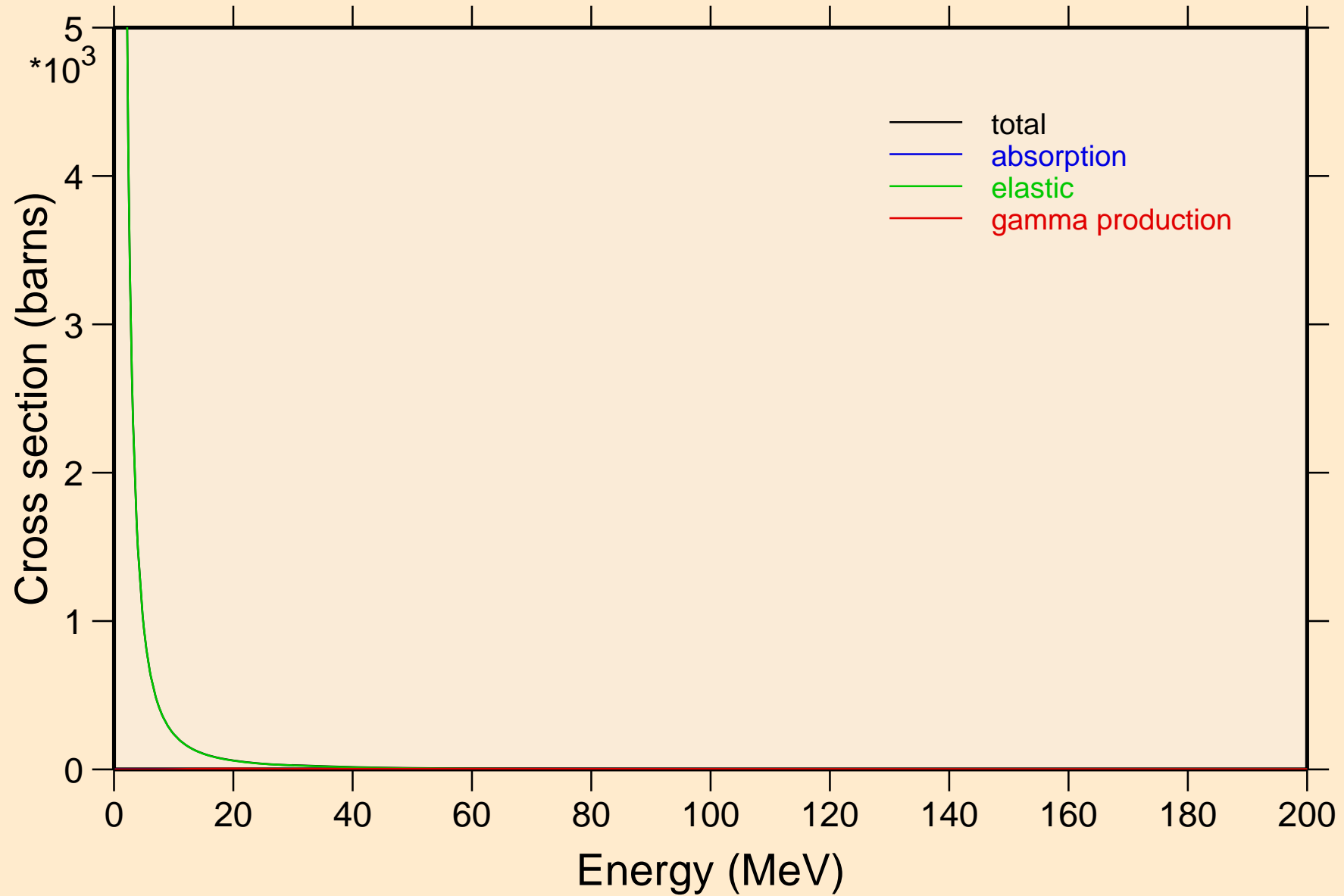
# SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



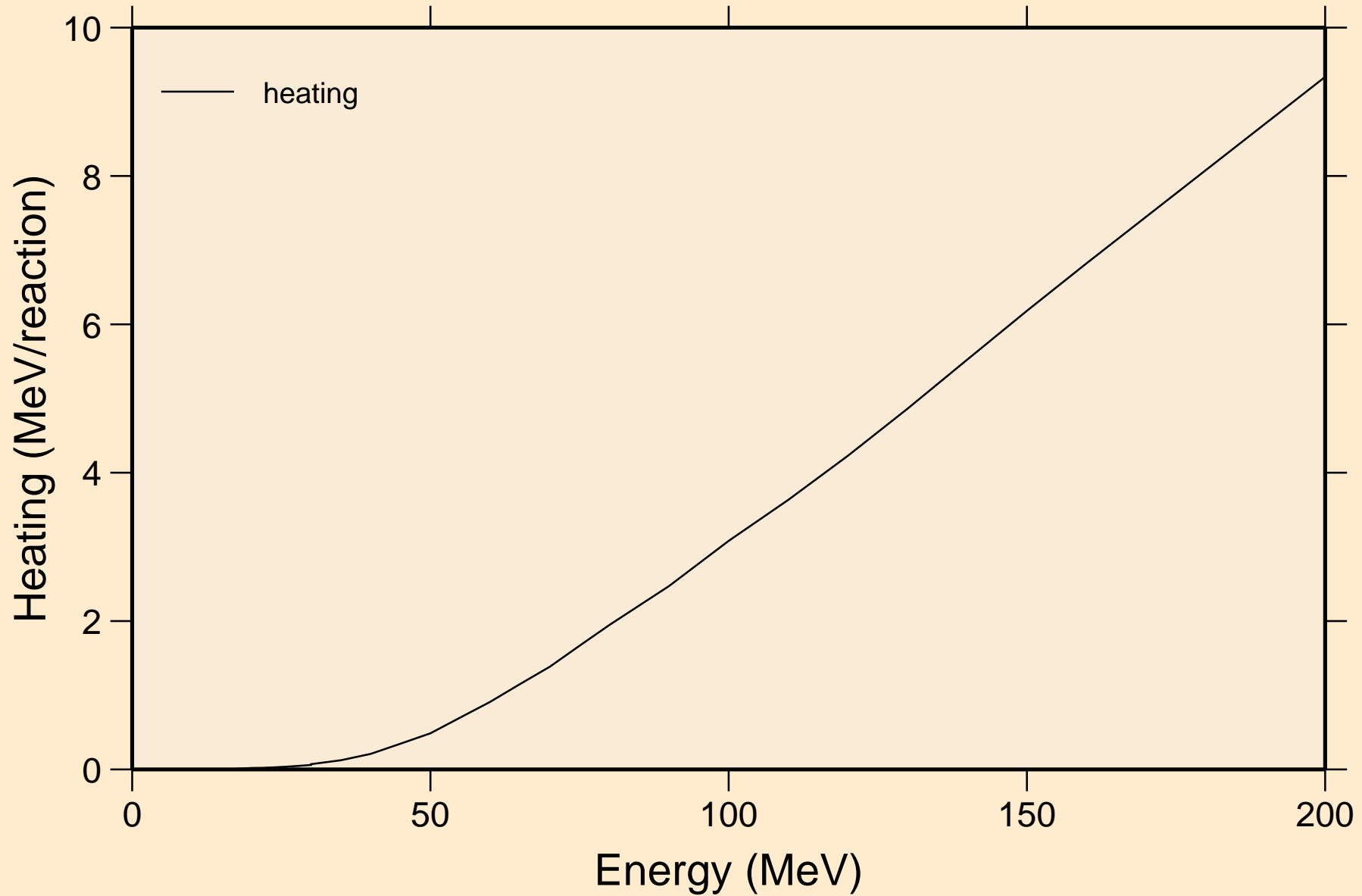
# SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



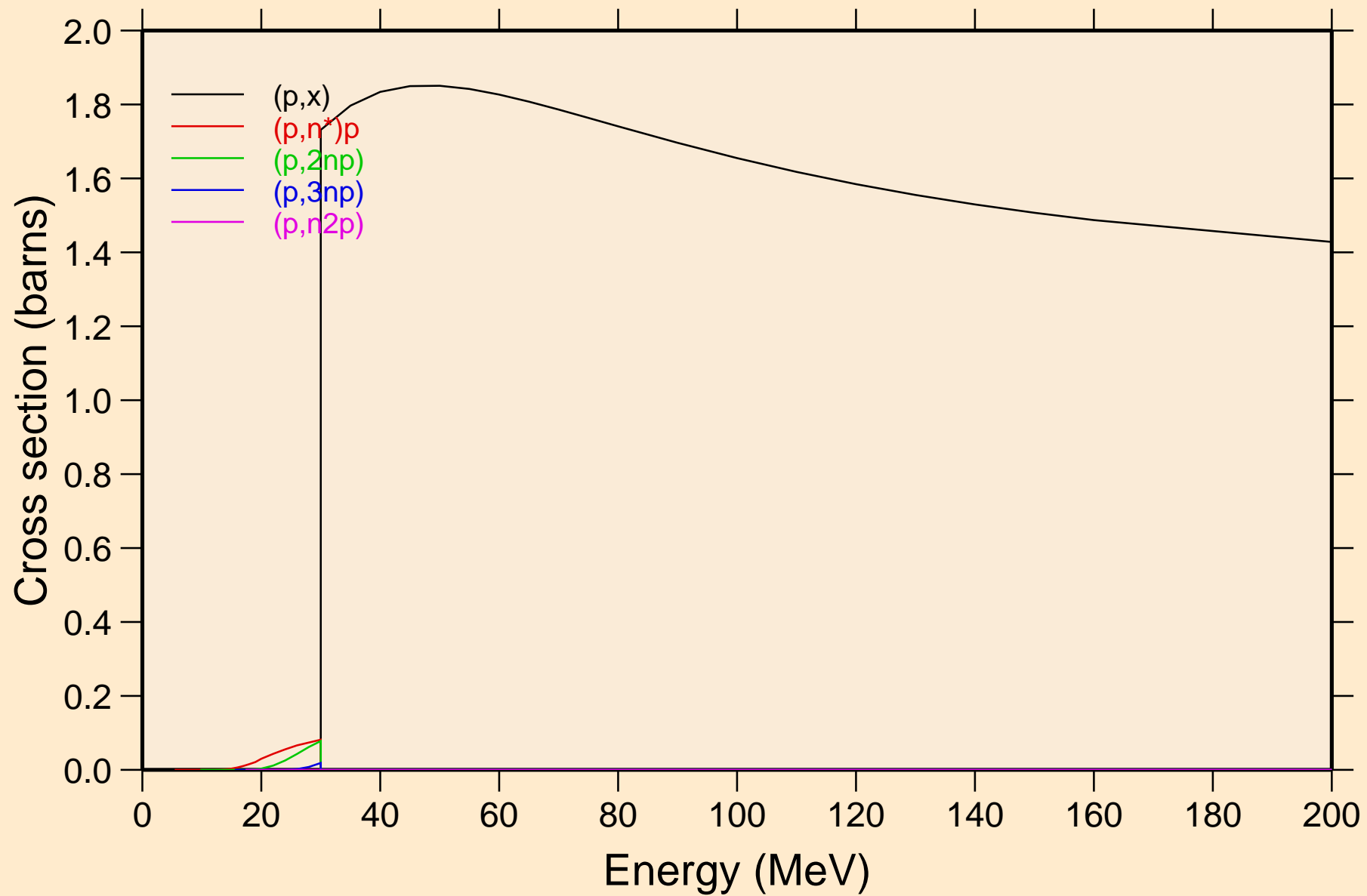
# SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

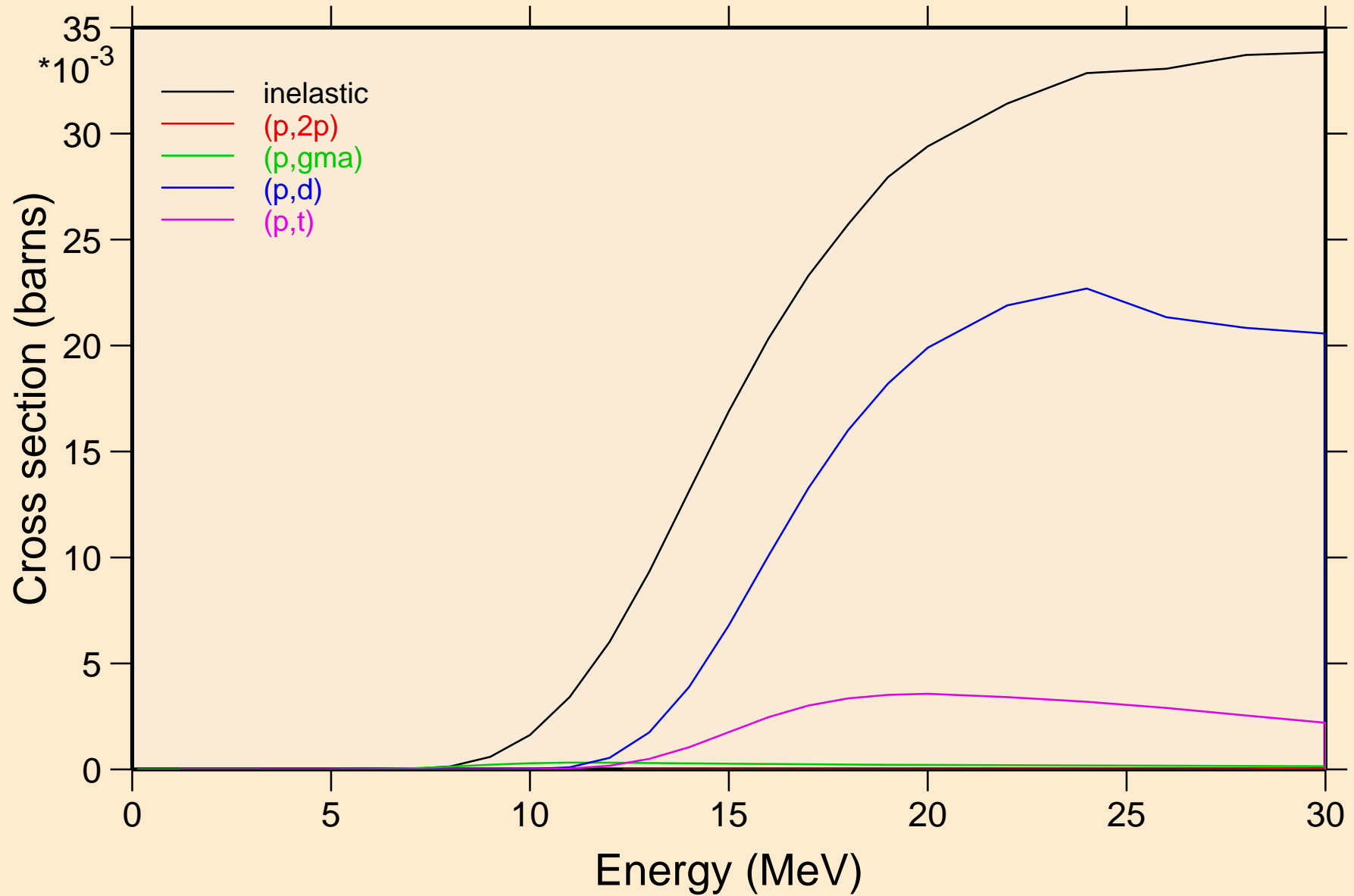


# SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K

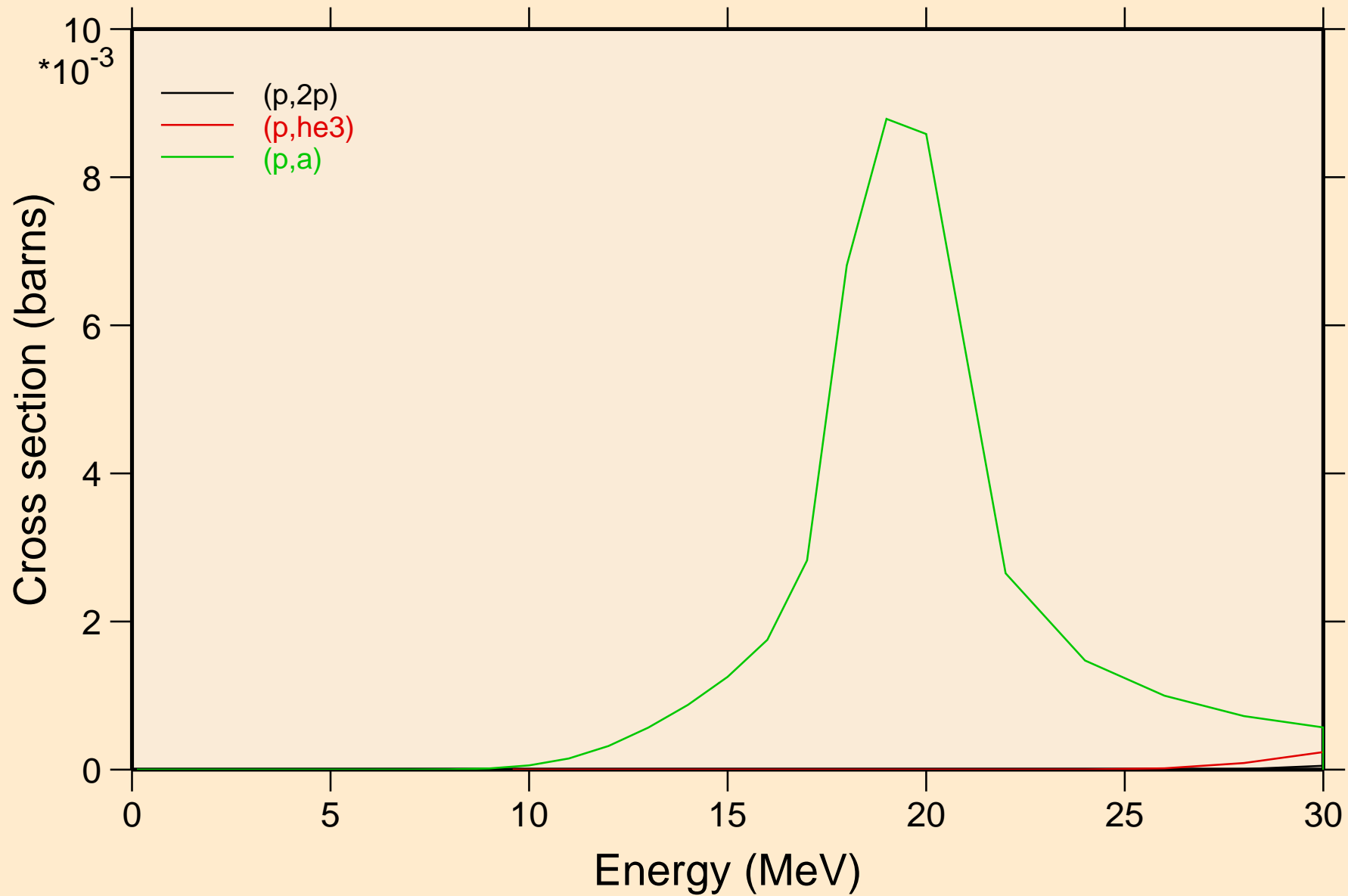
## Threshold reactions



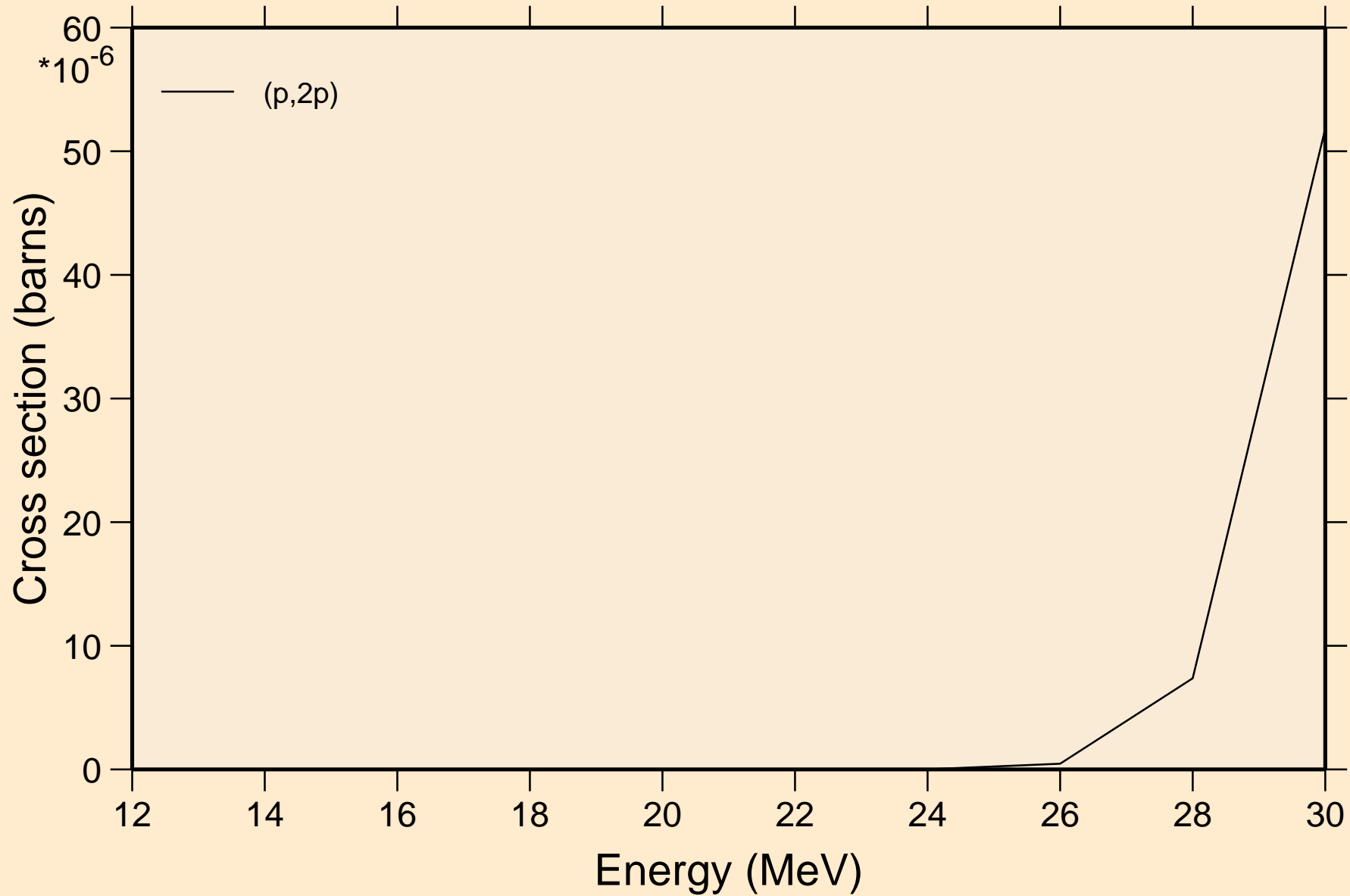
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

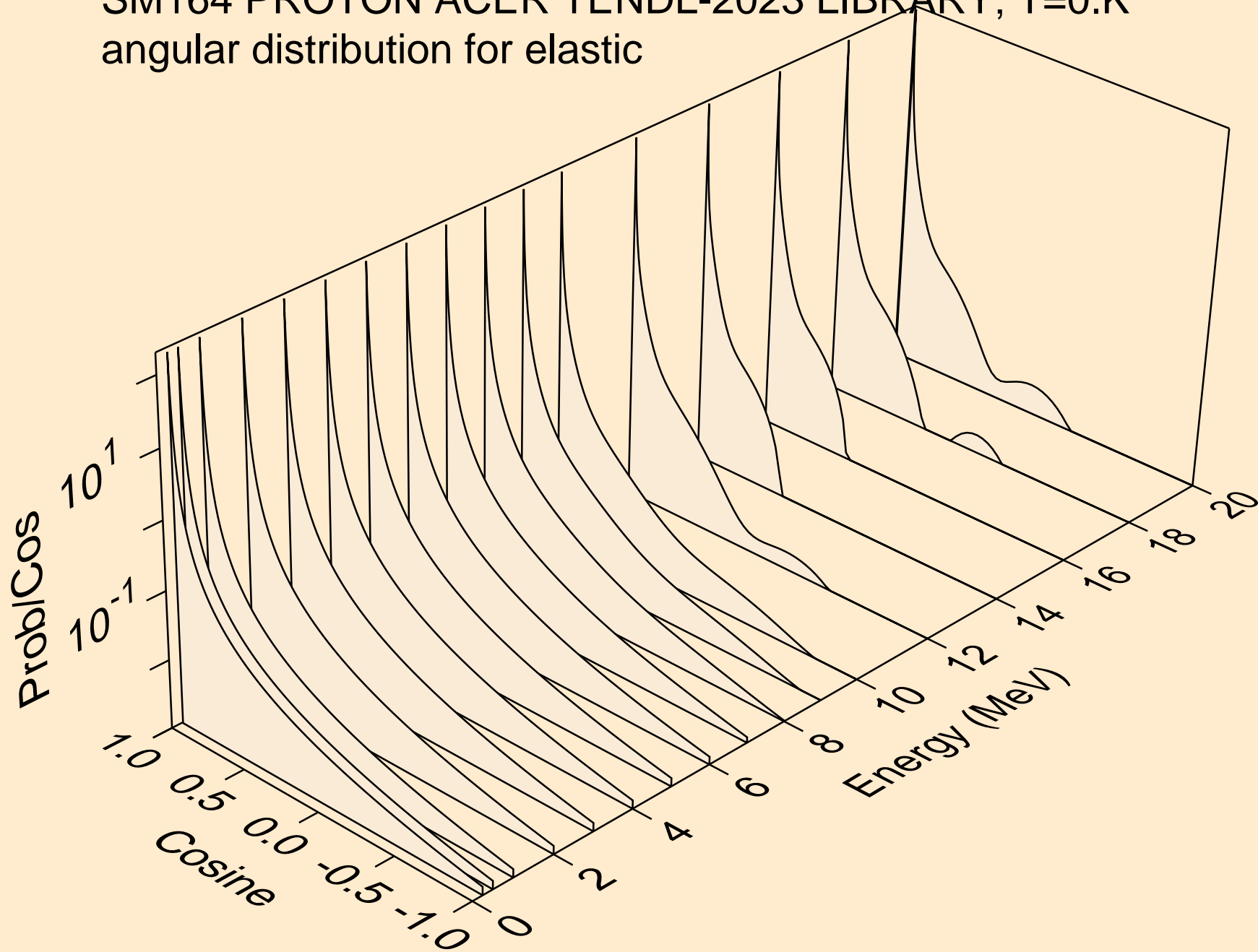


SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

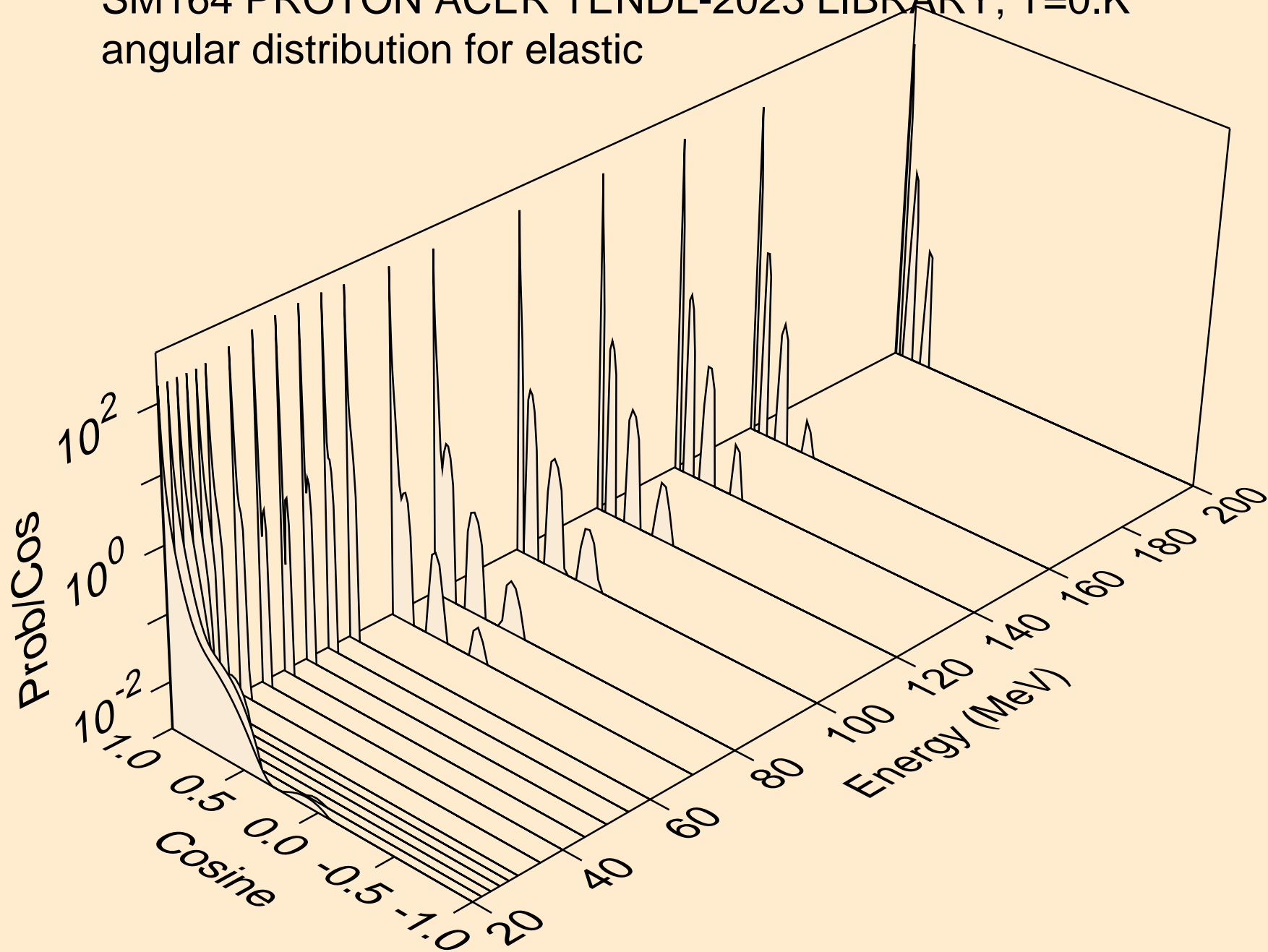




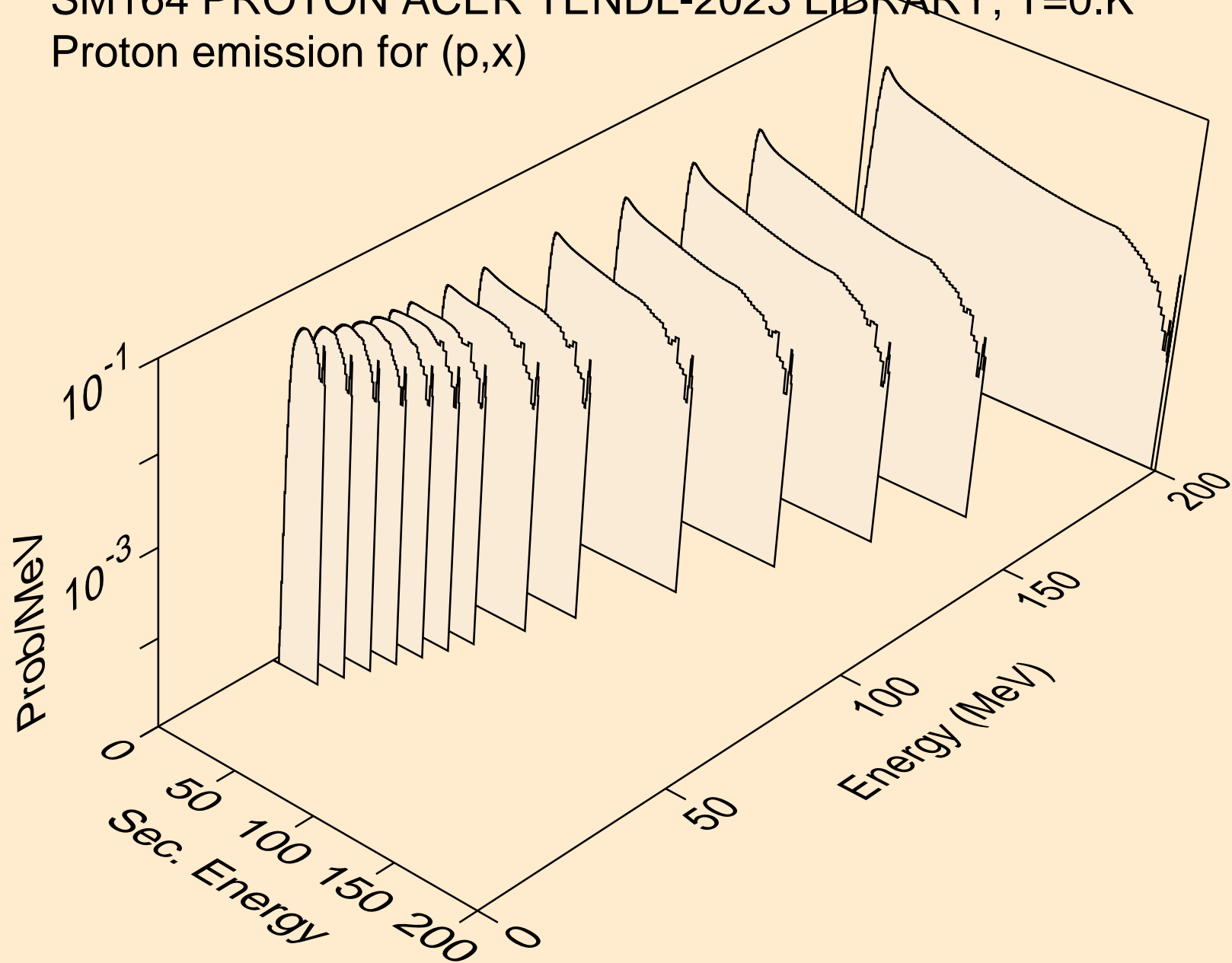
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



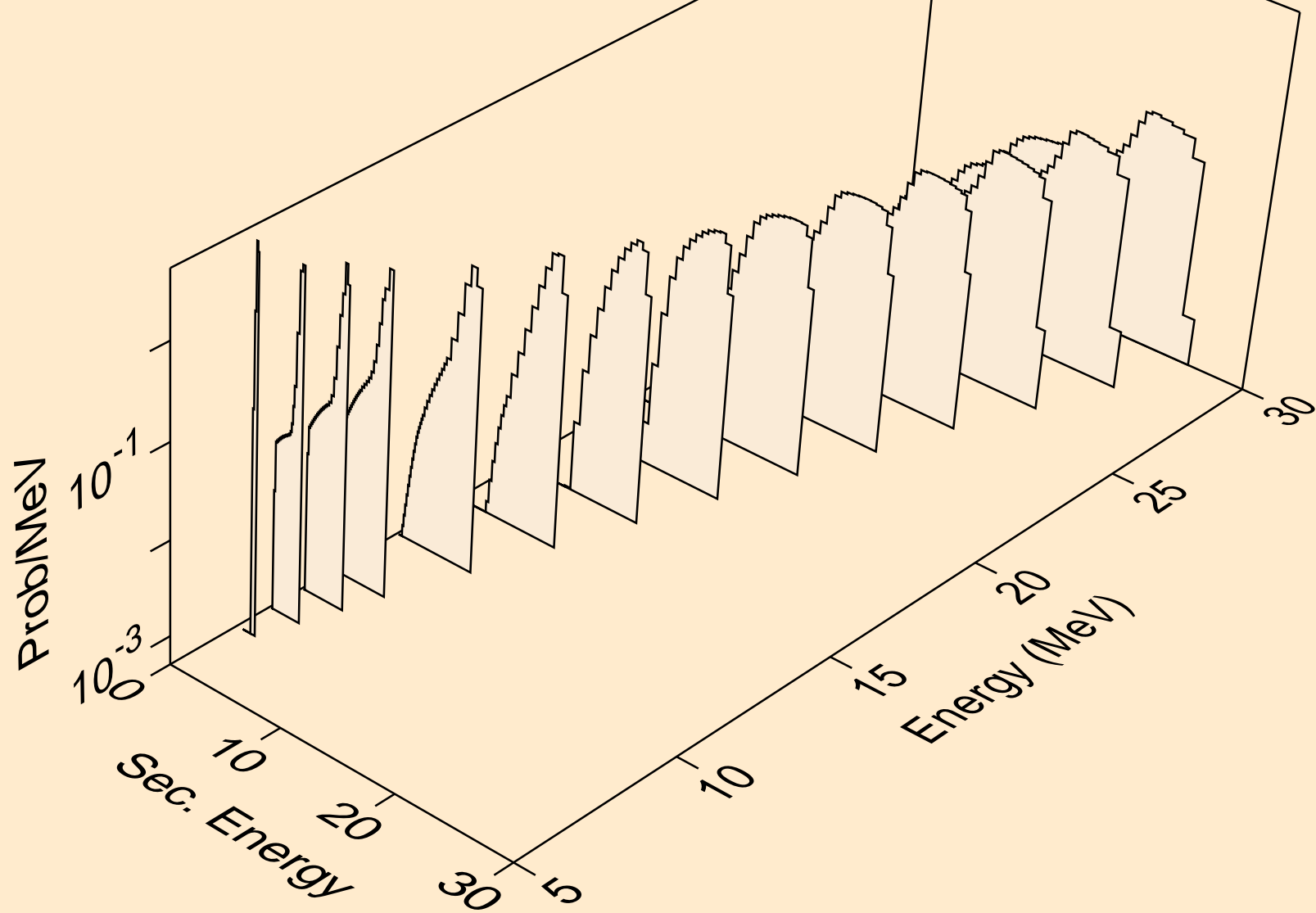
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



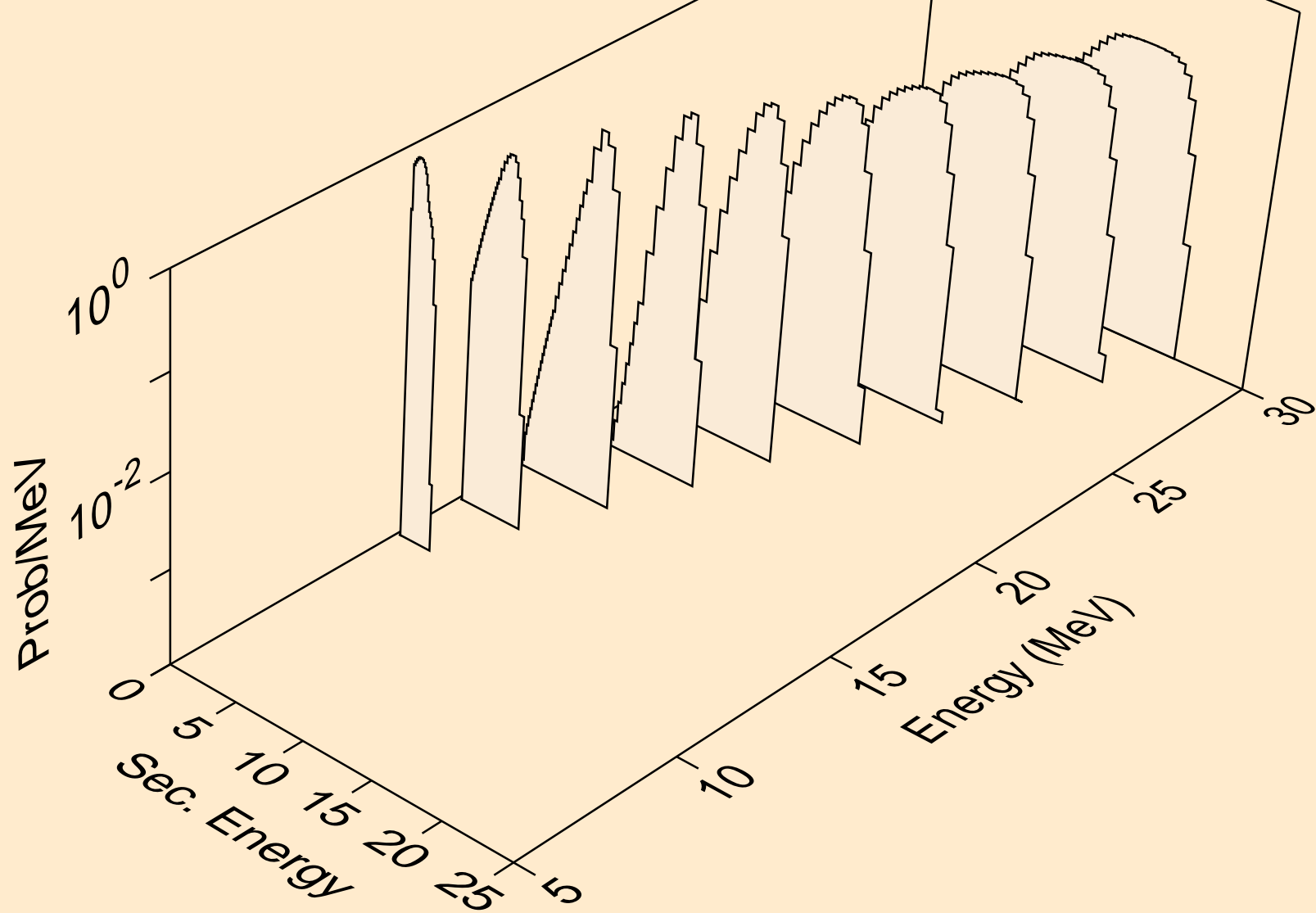
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



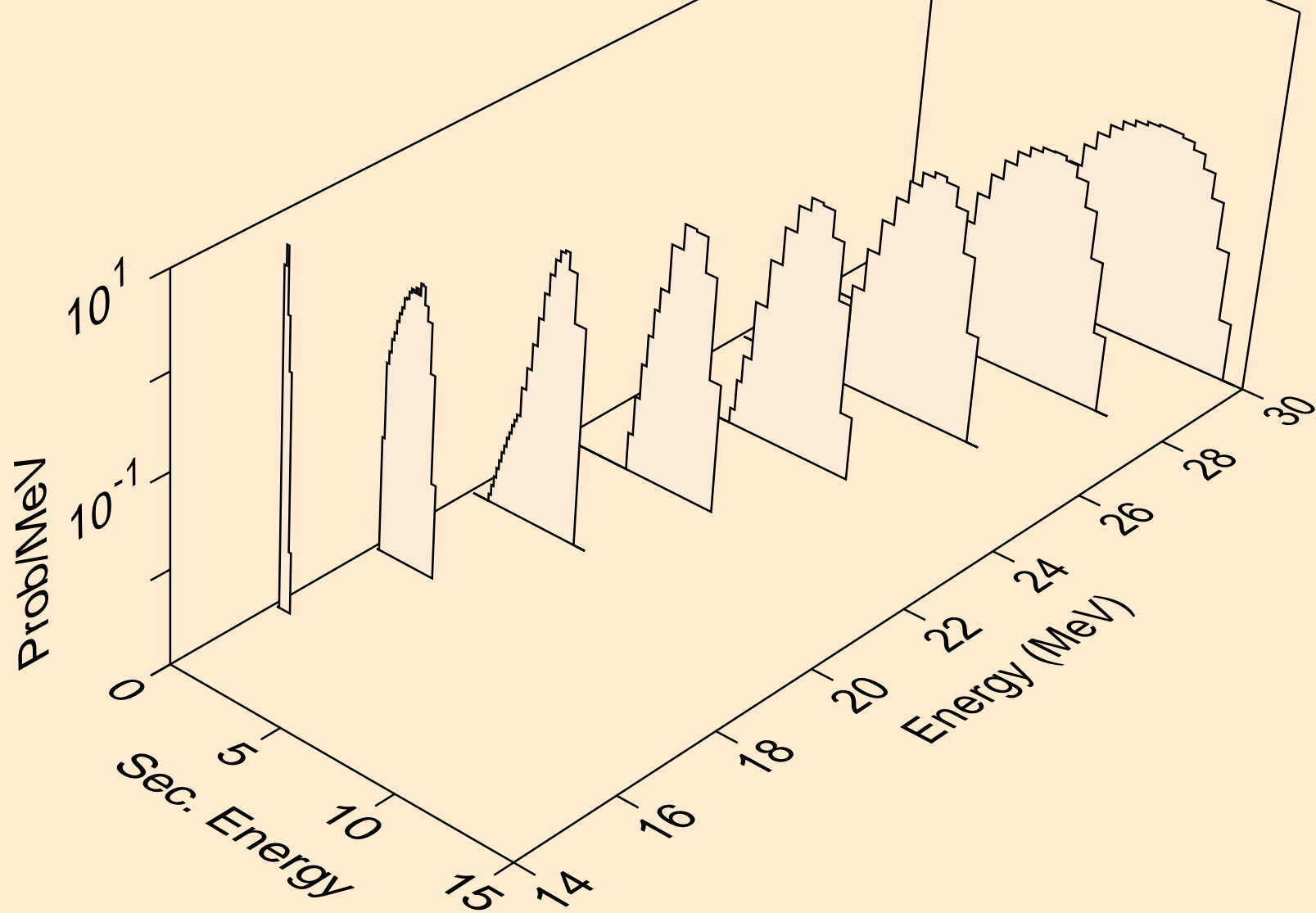
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



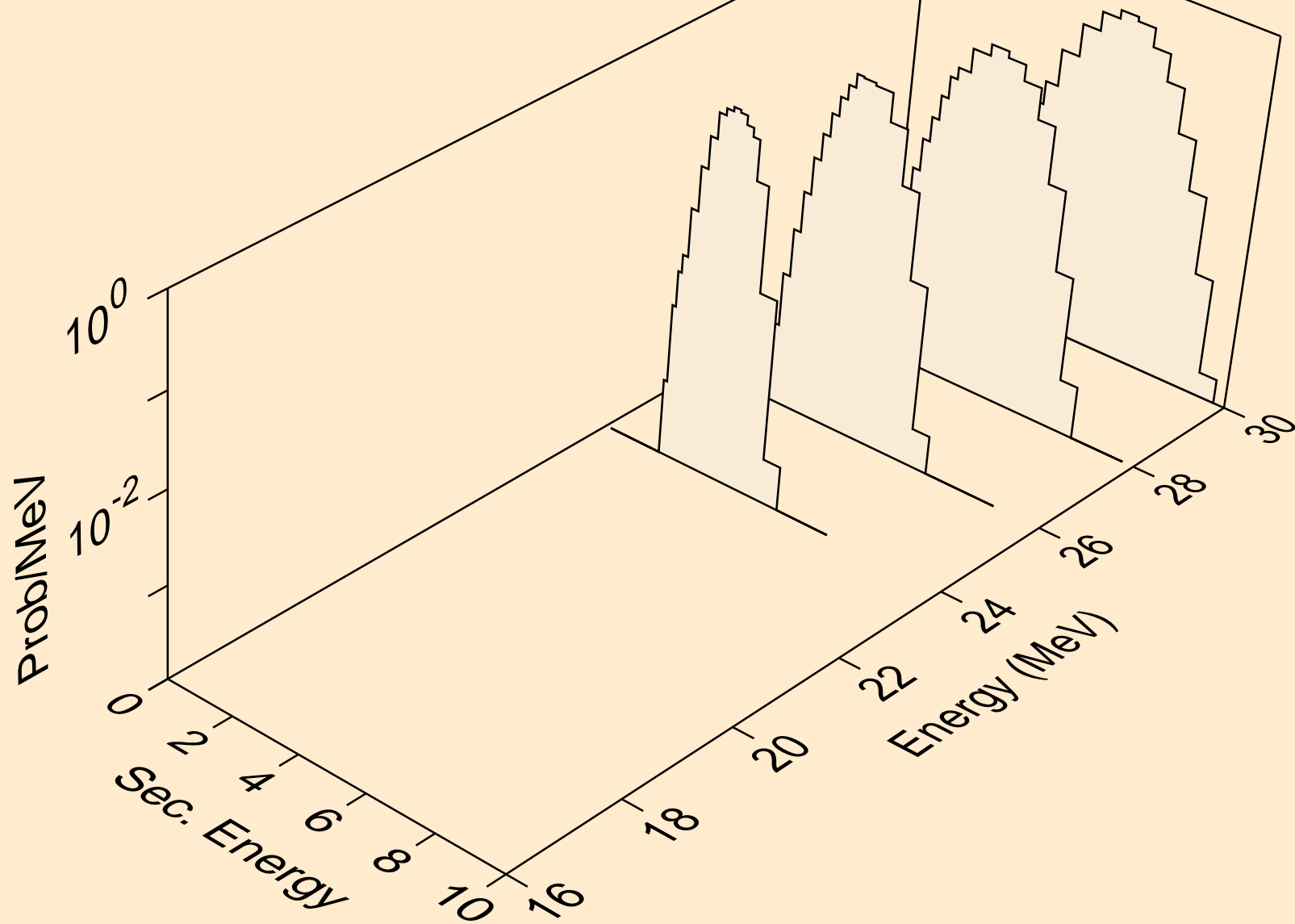
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



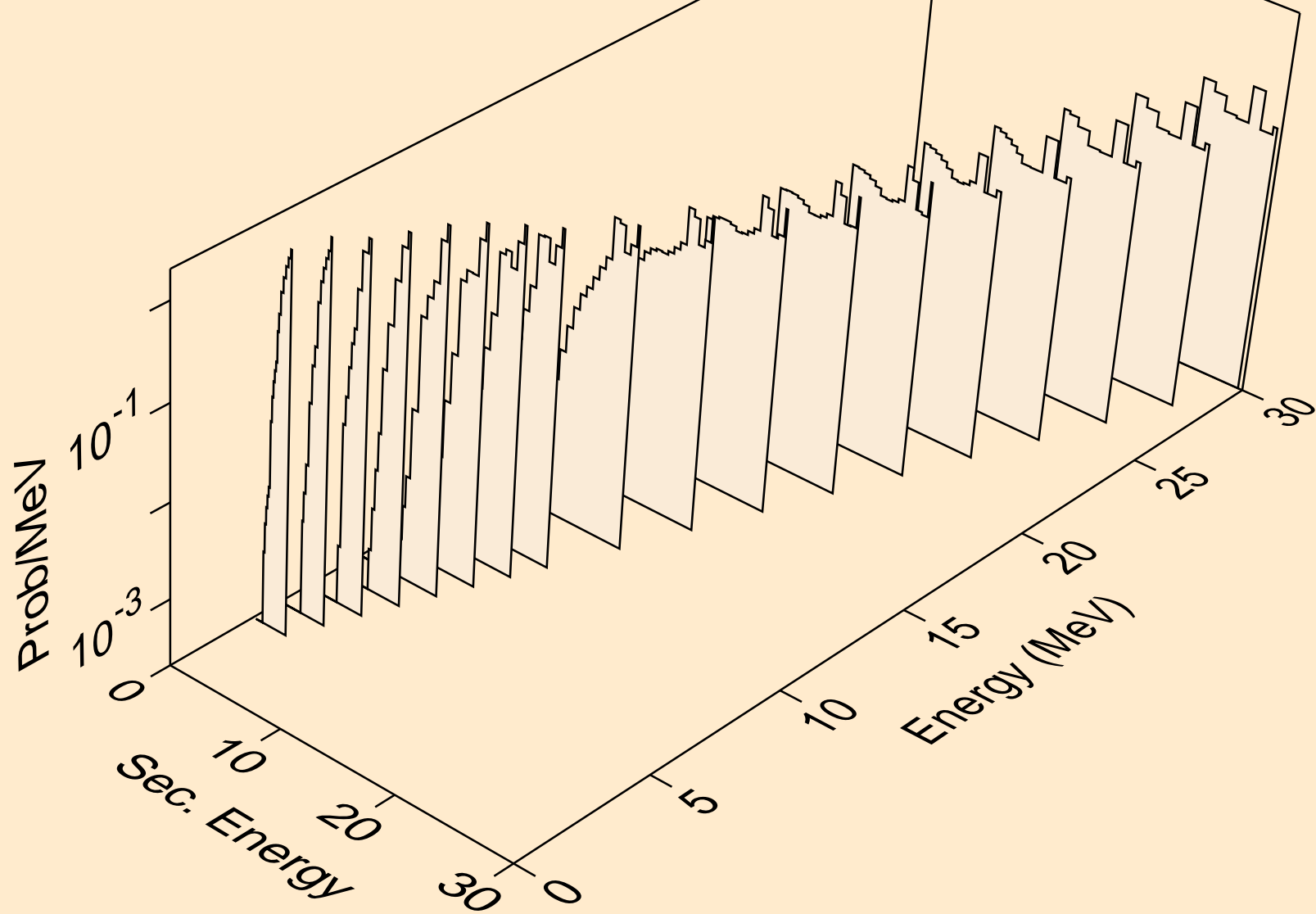
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,3np)



SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)

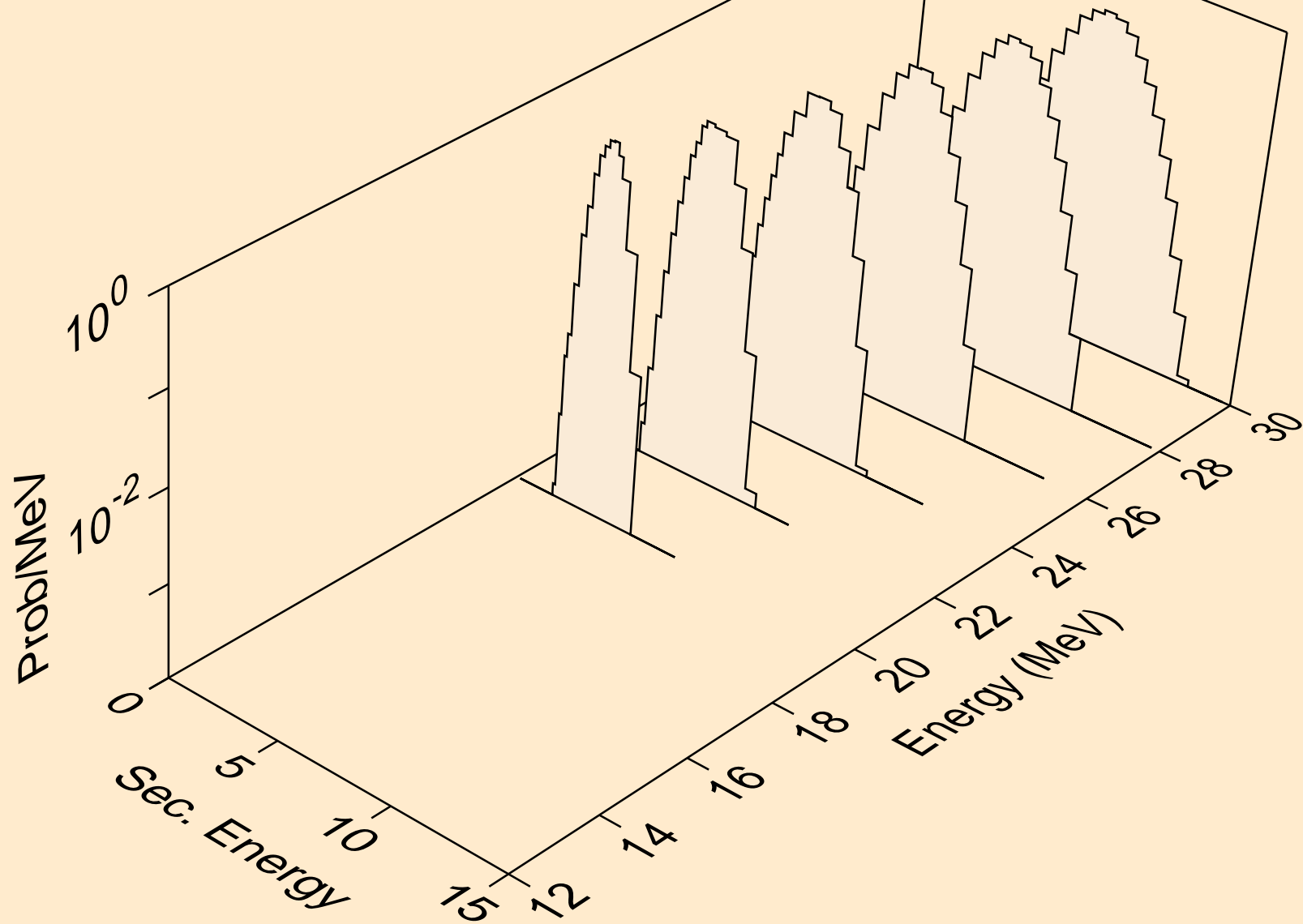


SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

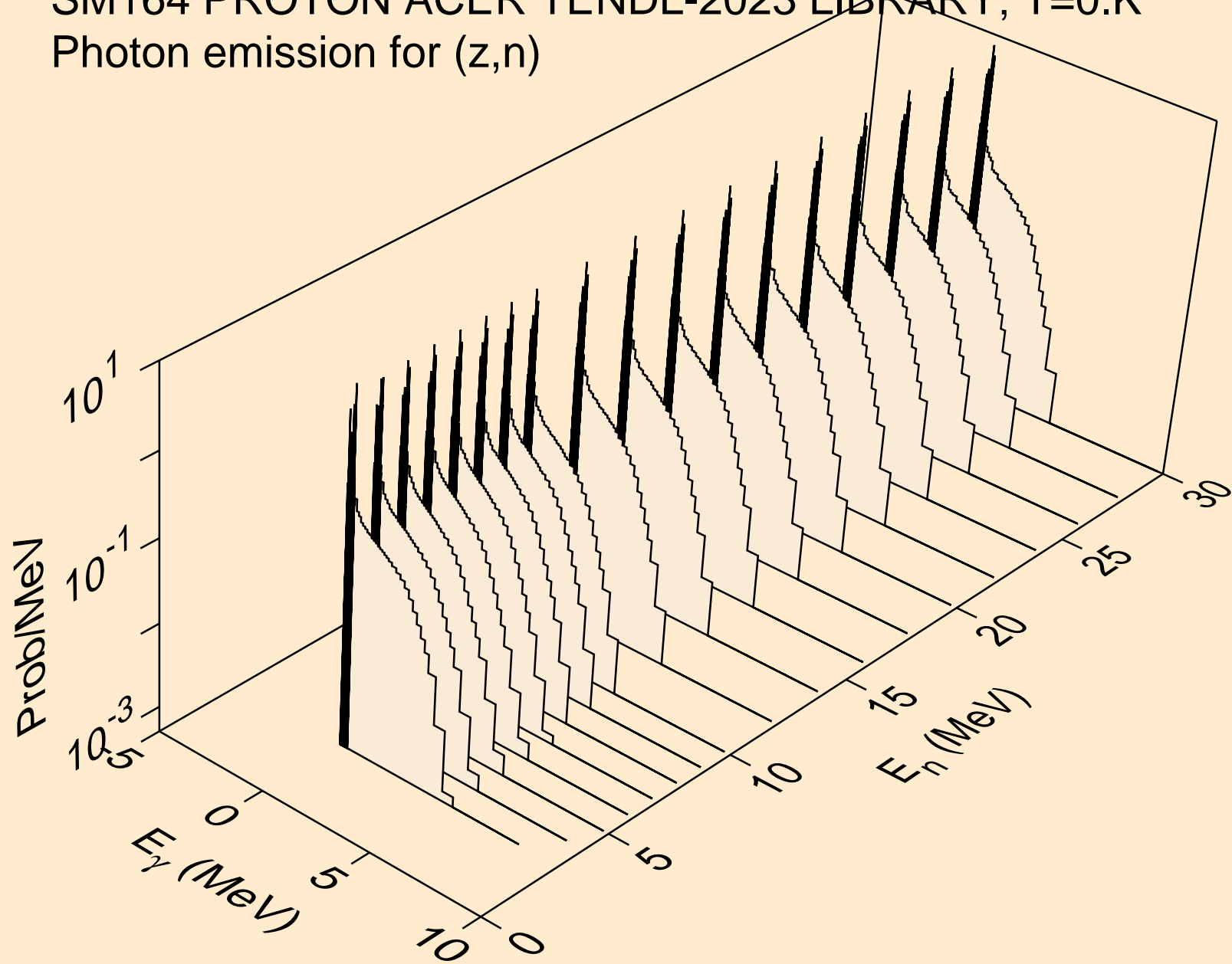




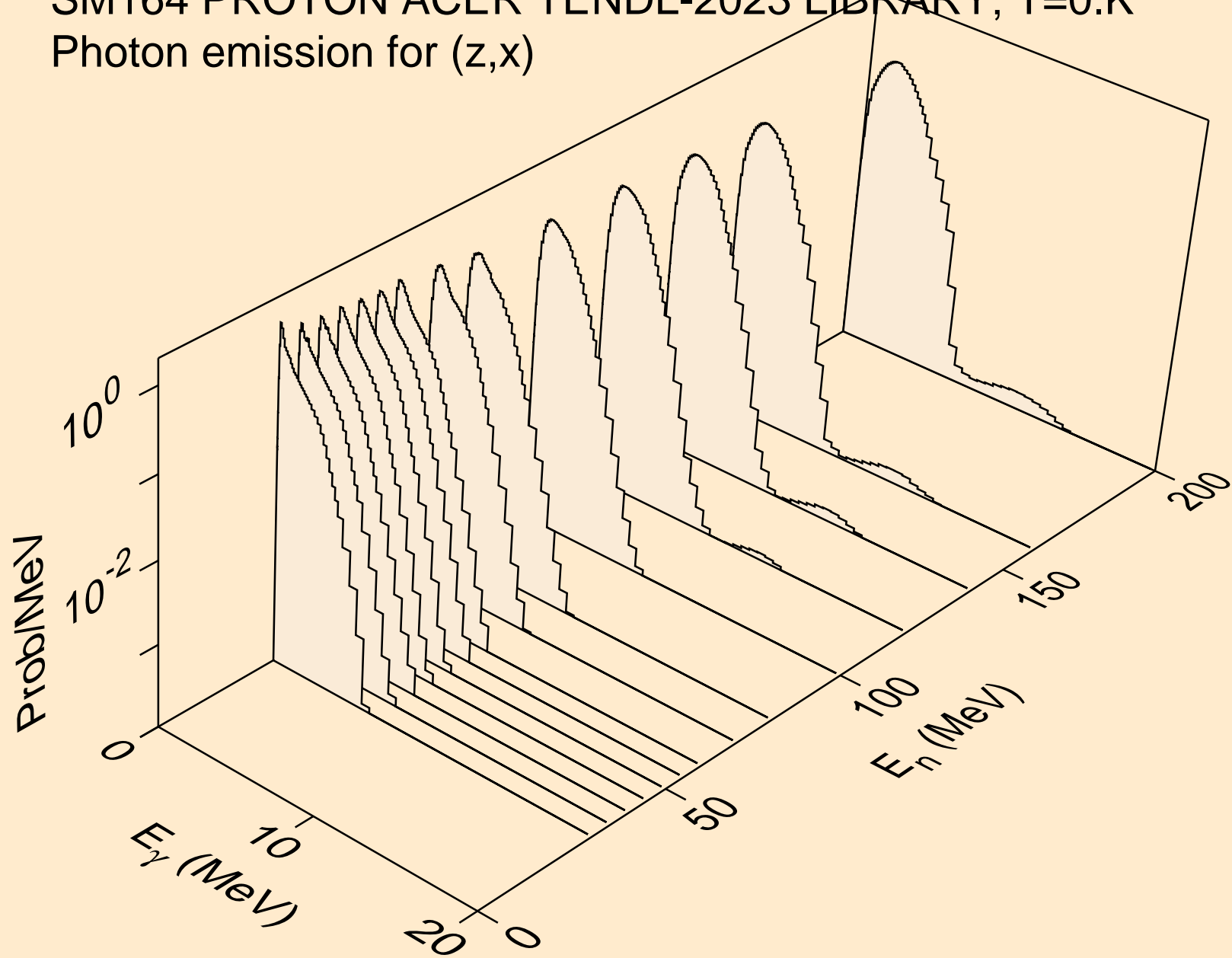
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2p)



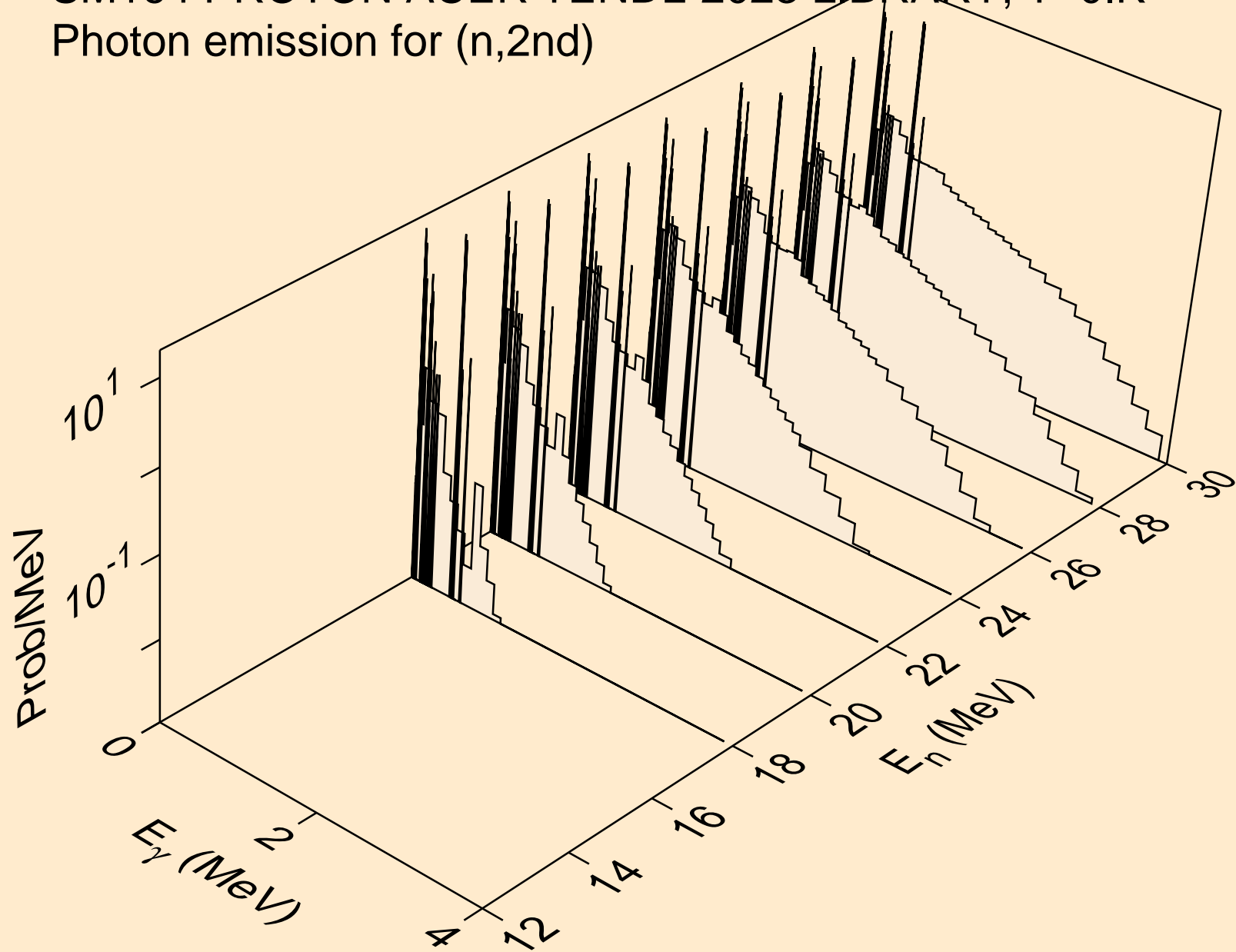
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



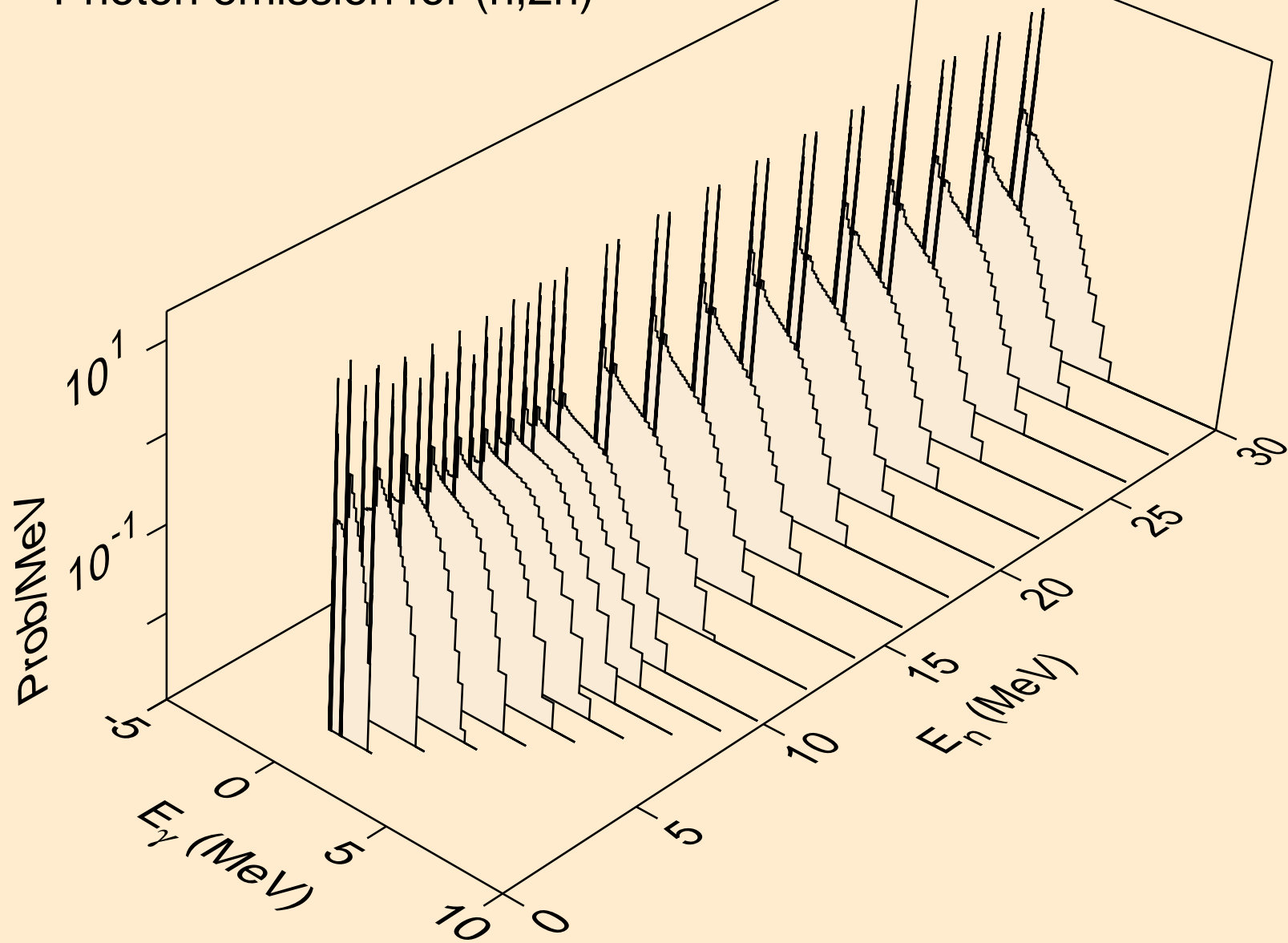
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



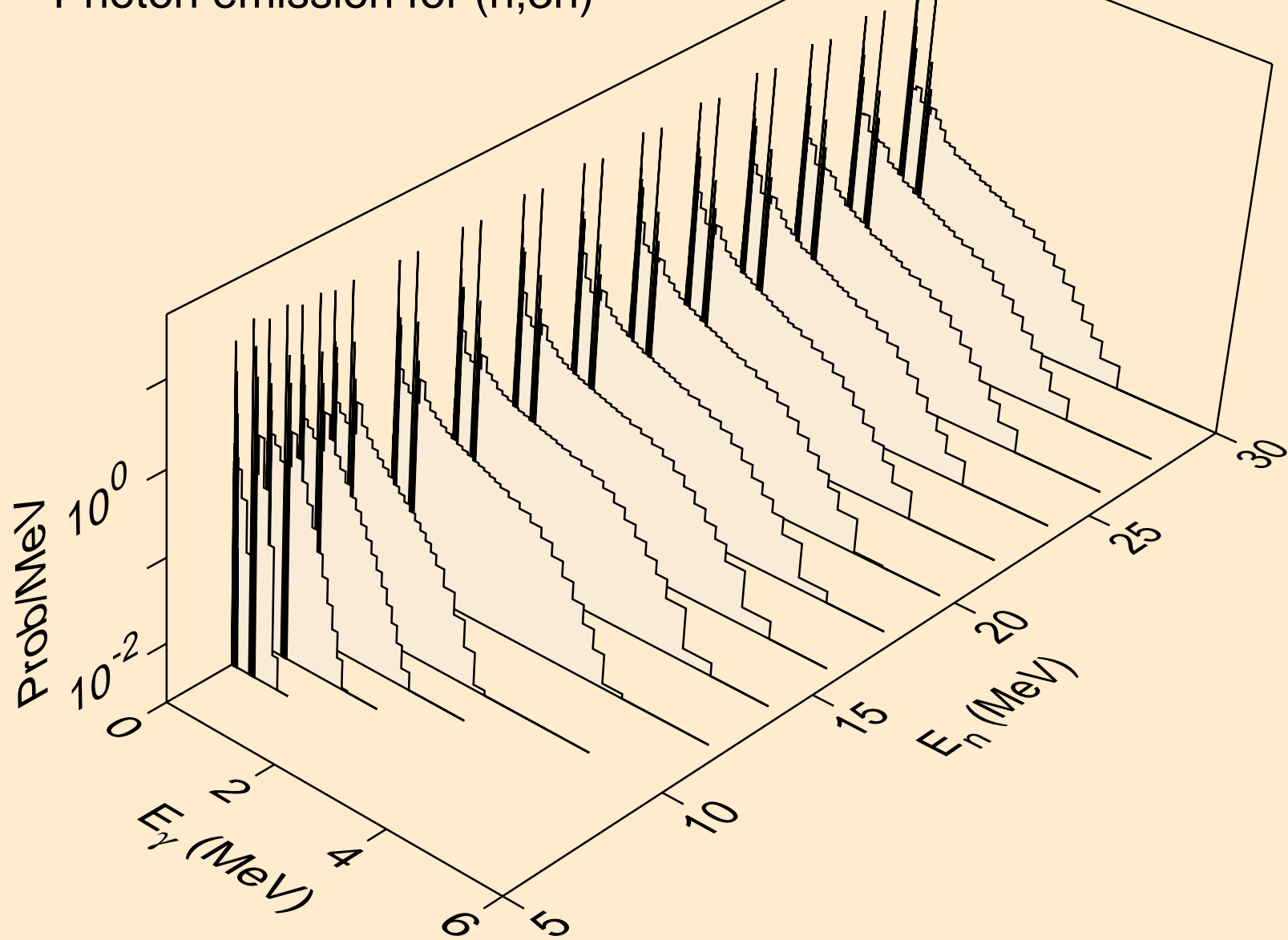
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



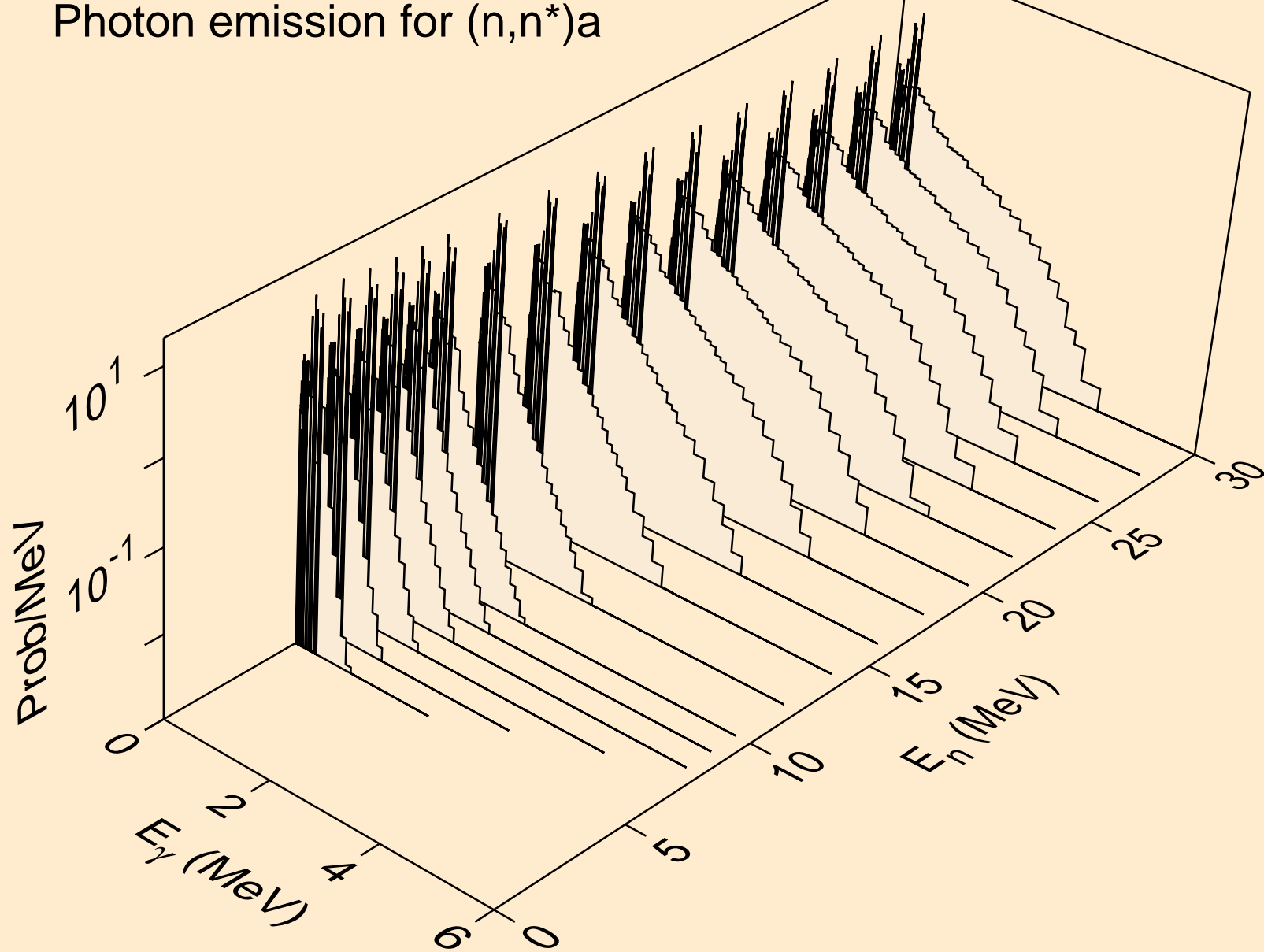
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



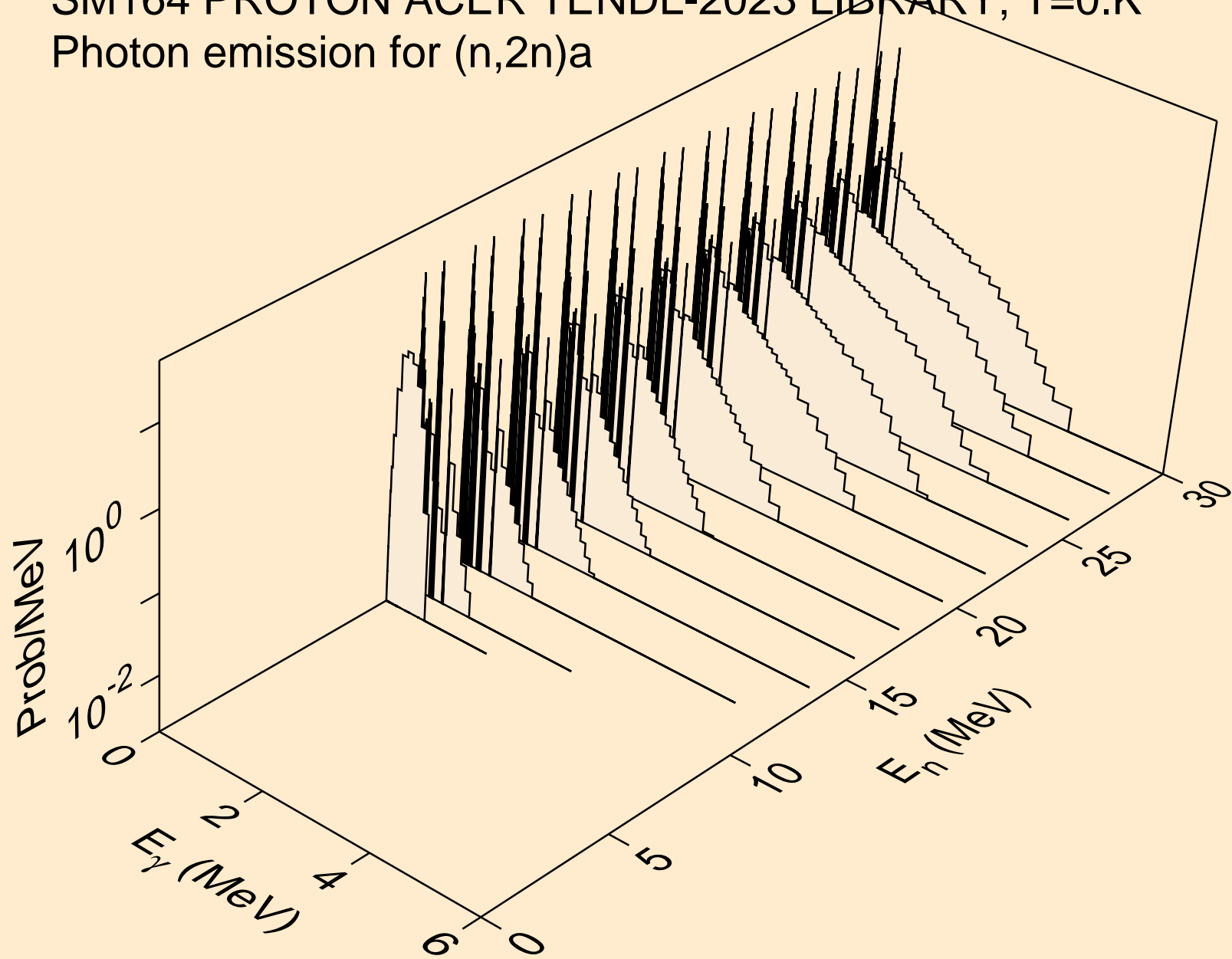
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

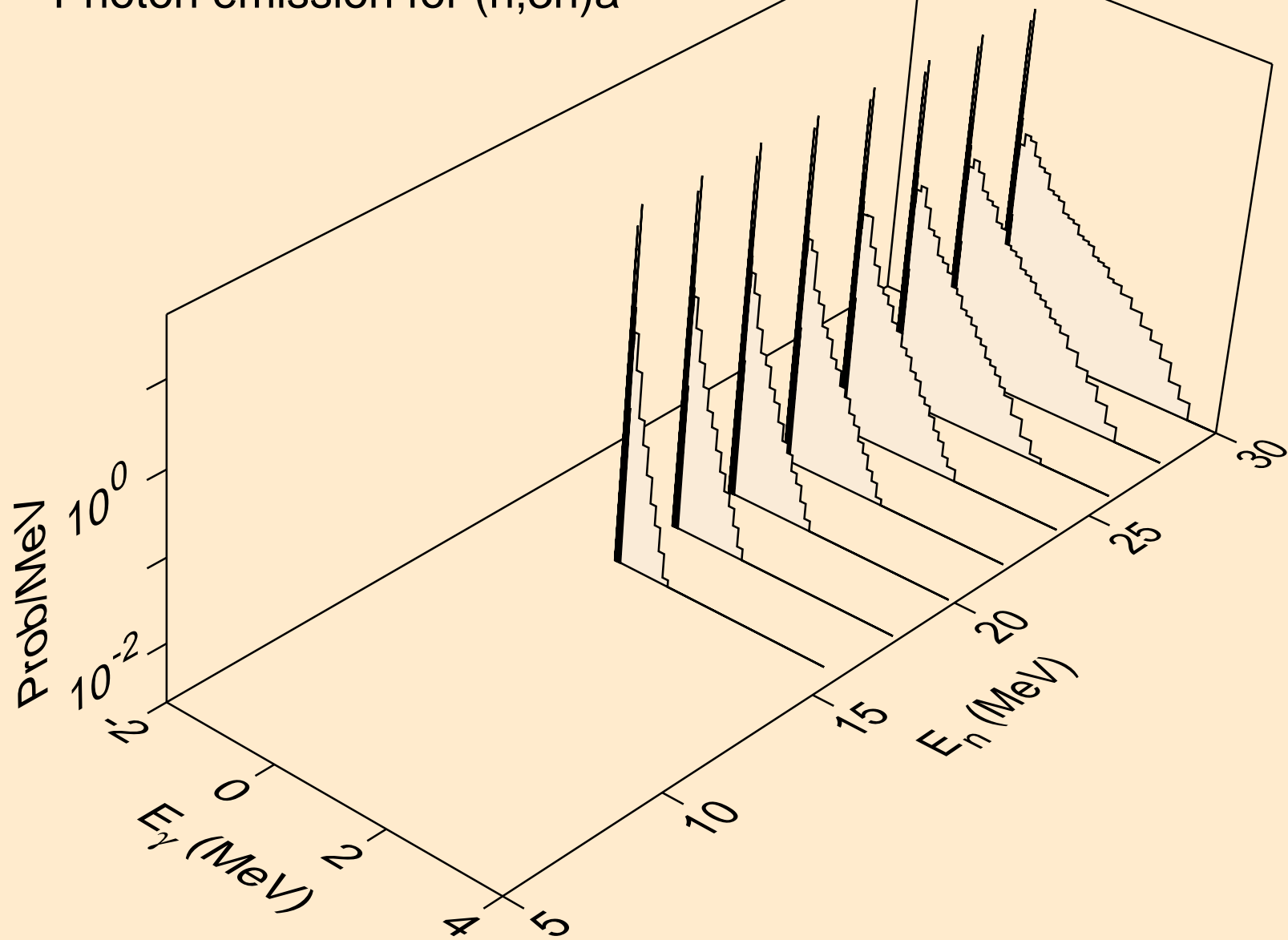


SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a

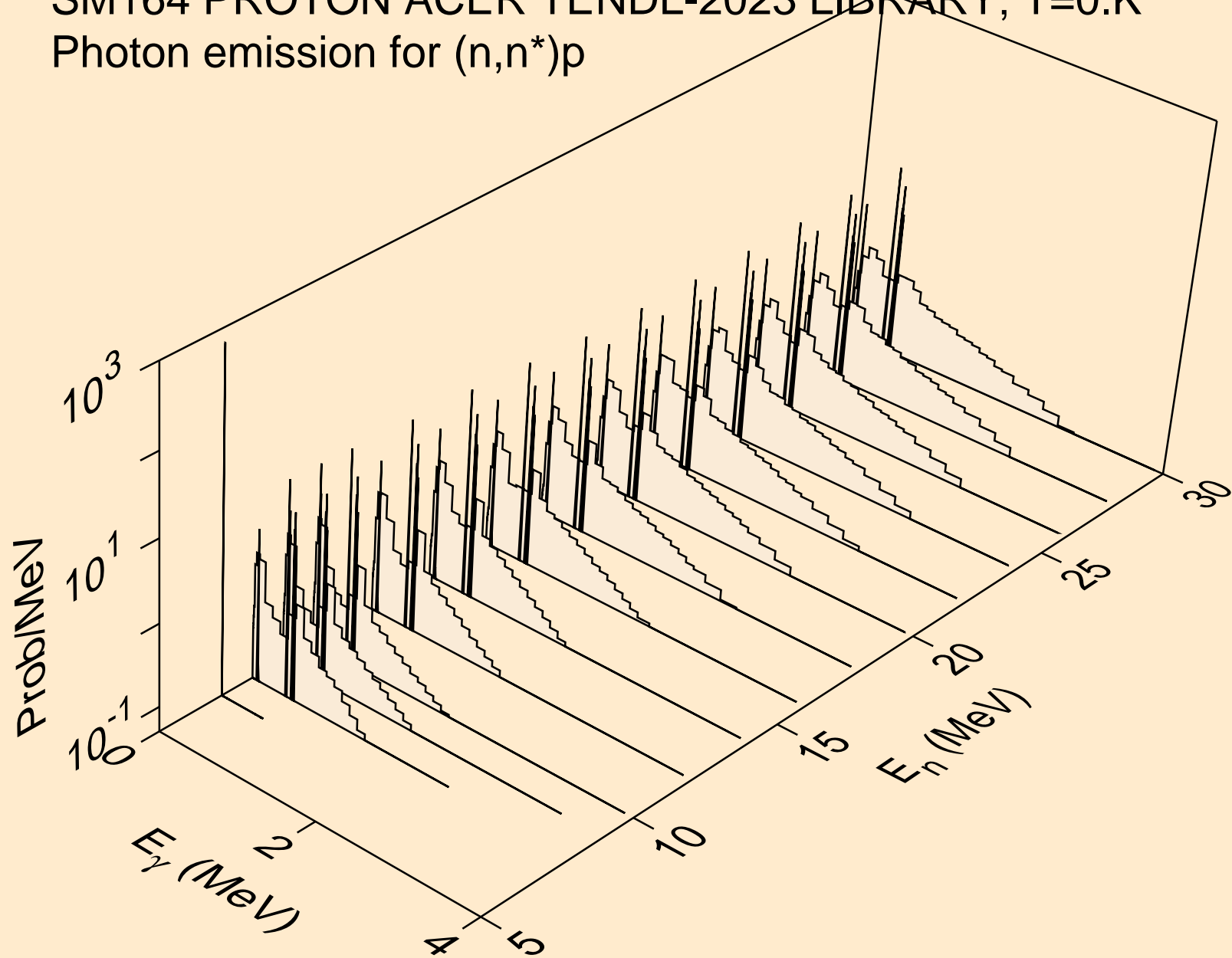




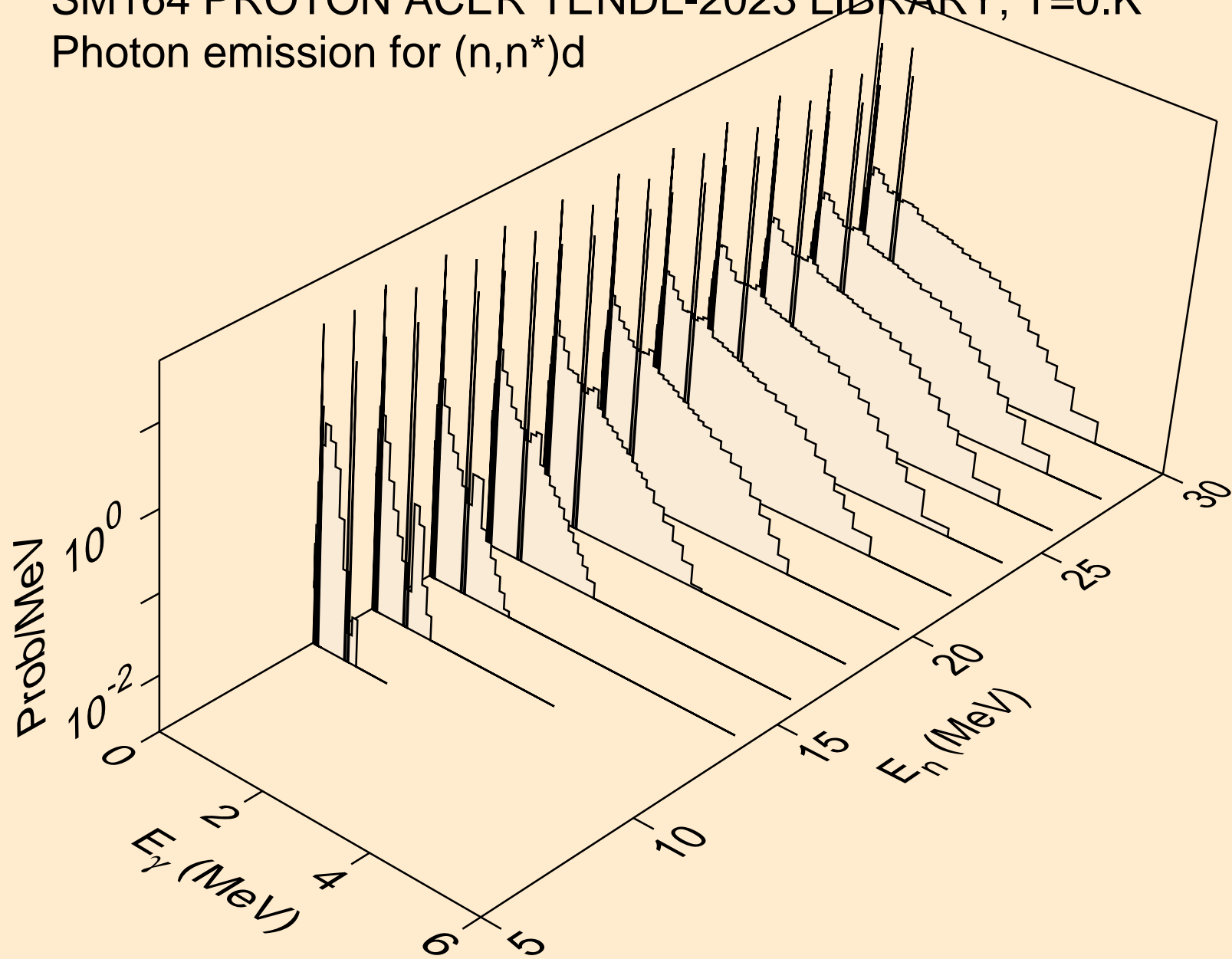
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



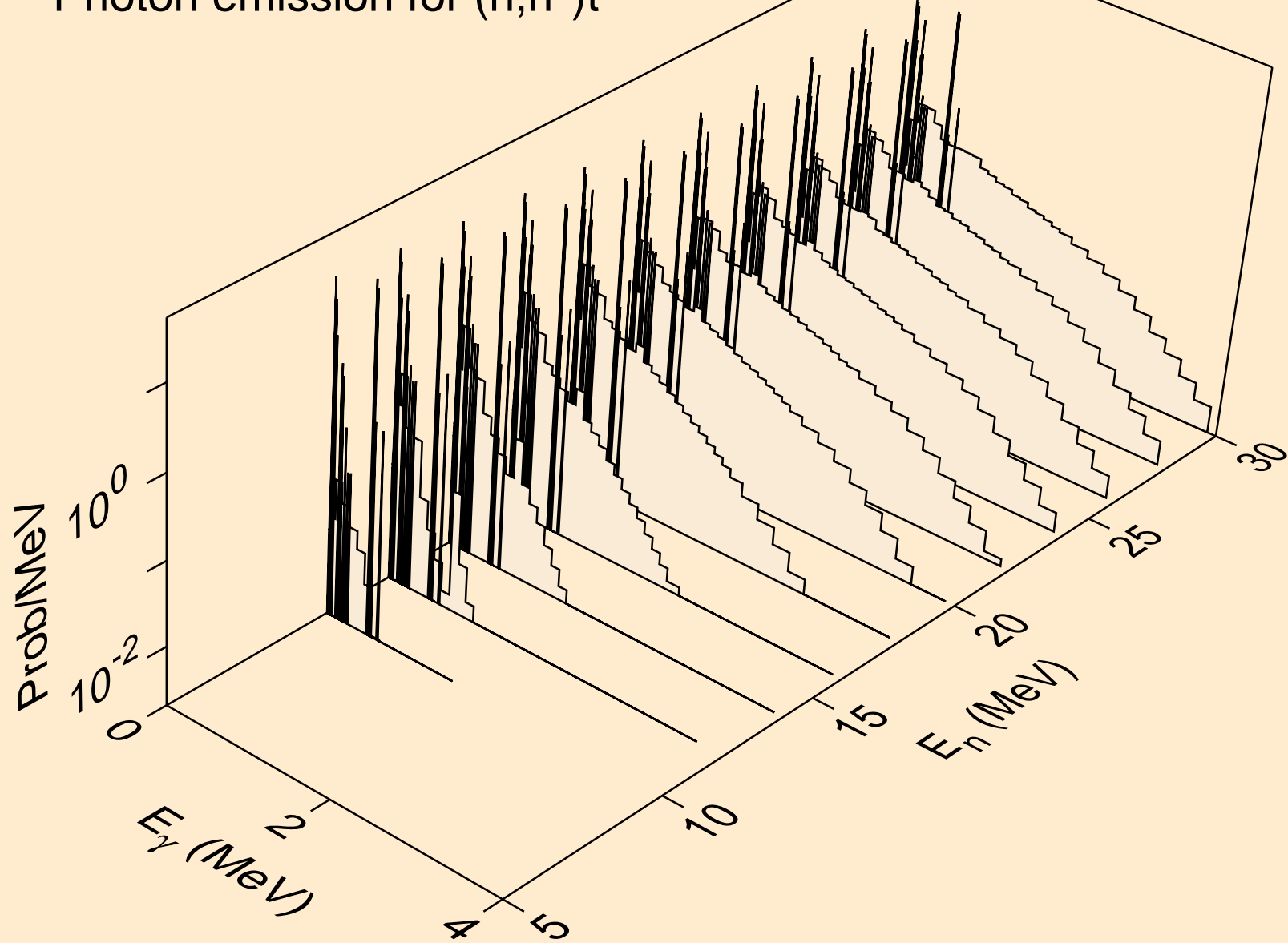
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



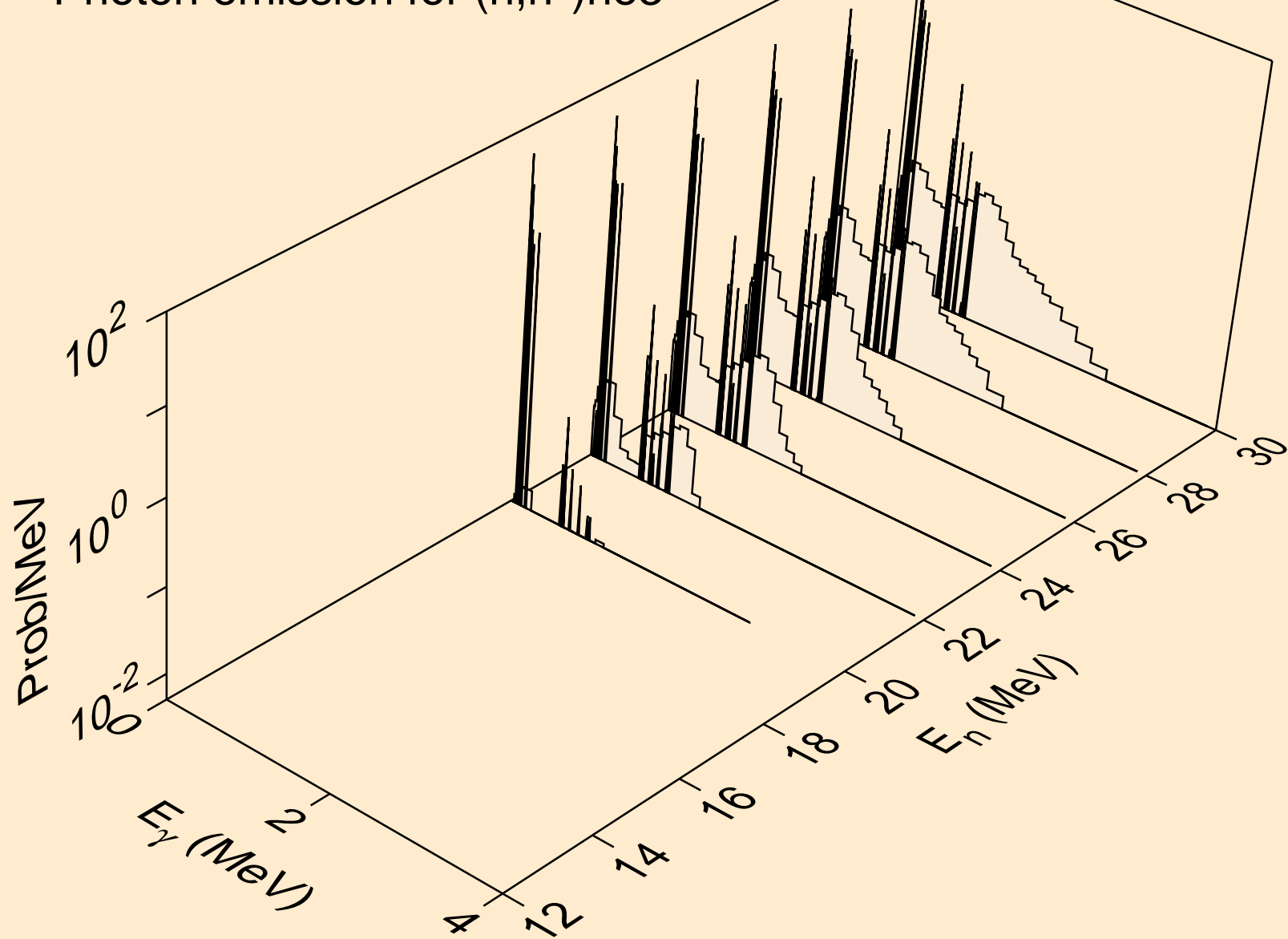
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



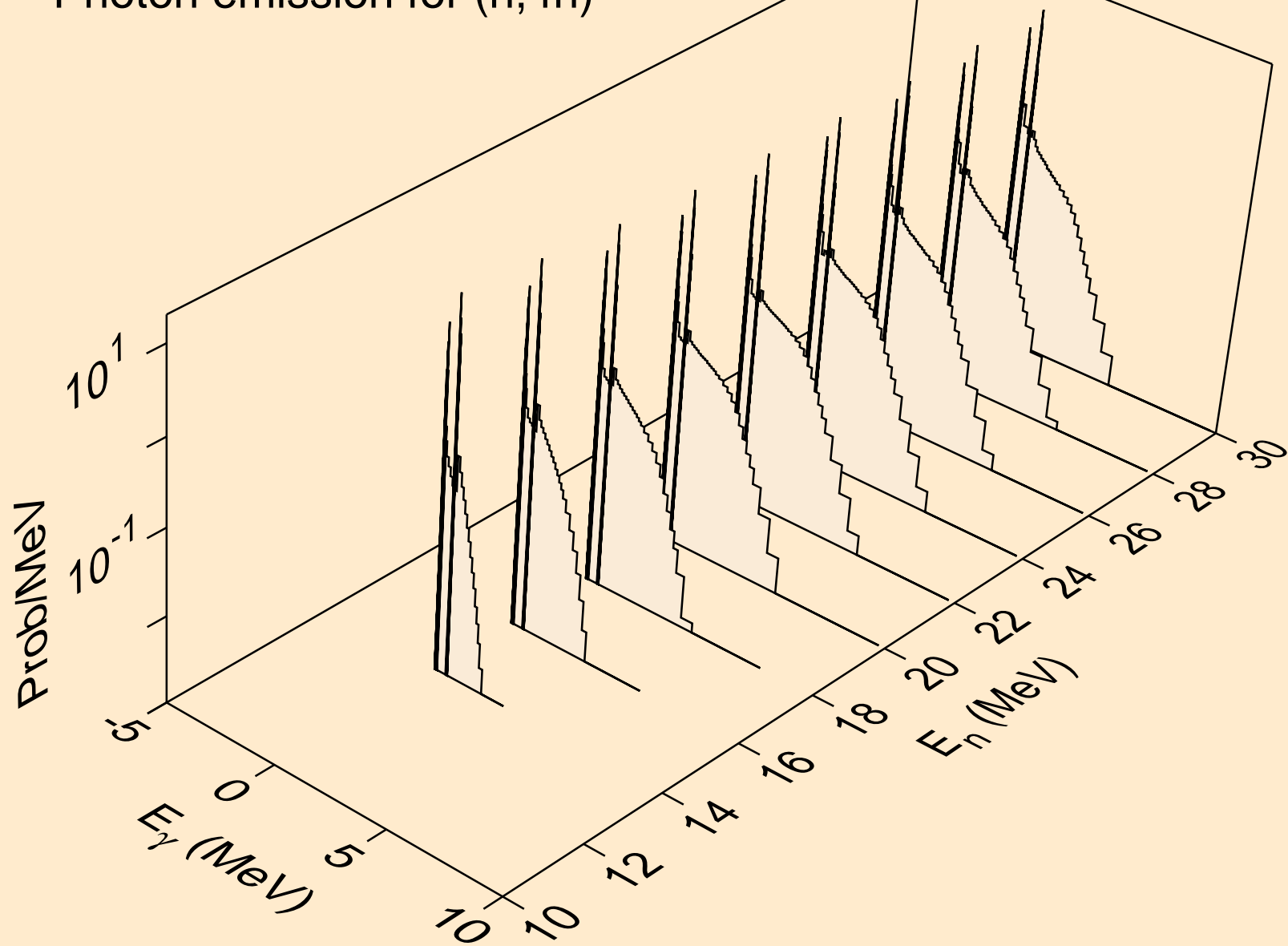
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



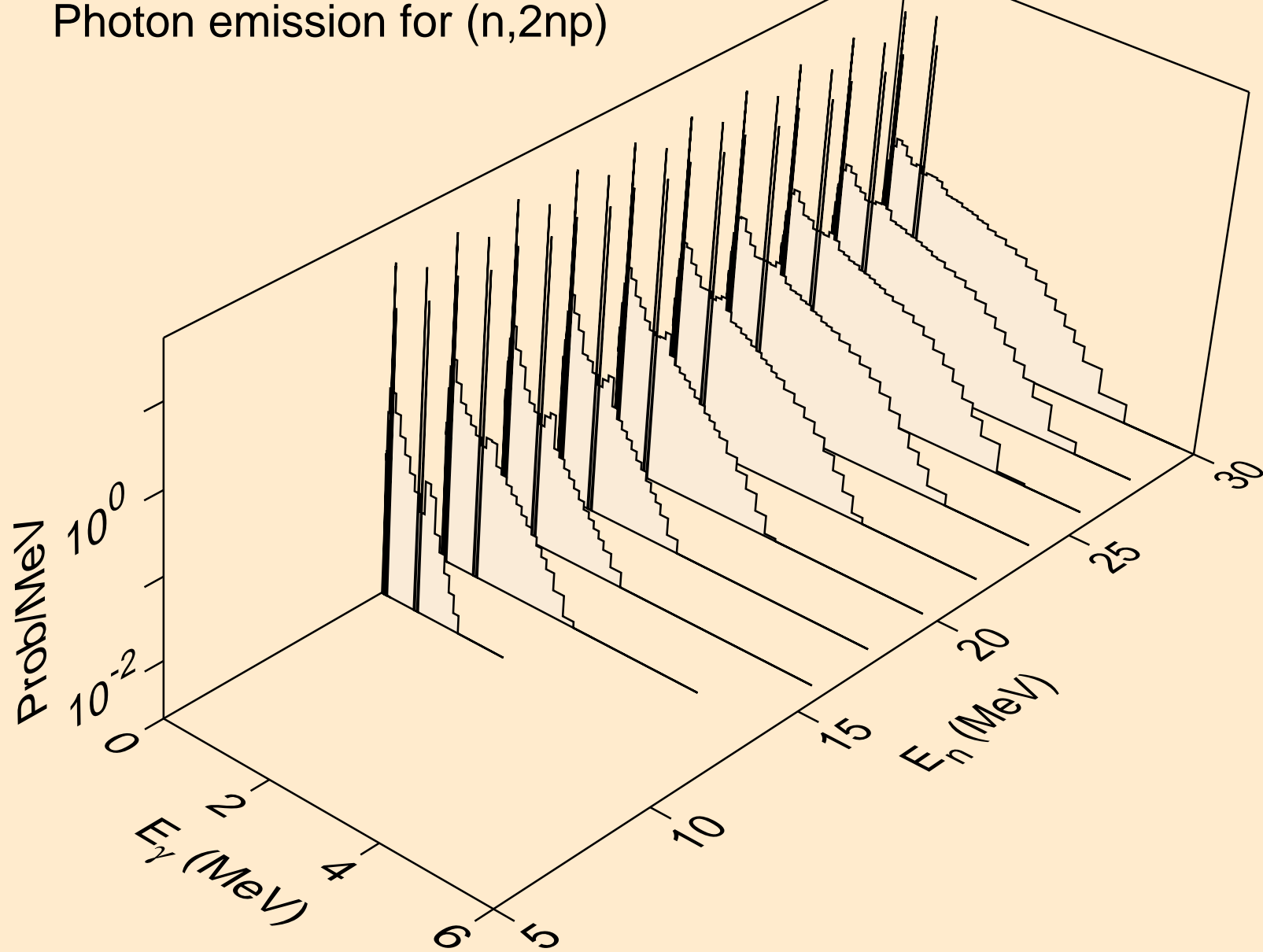
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



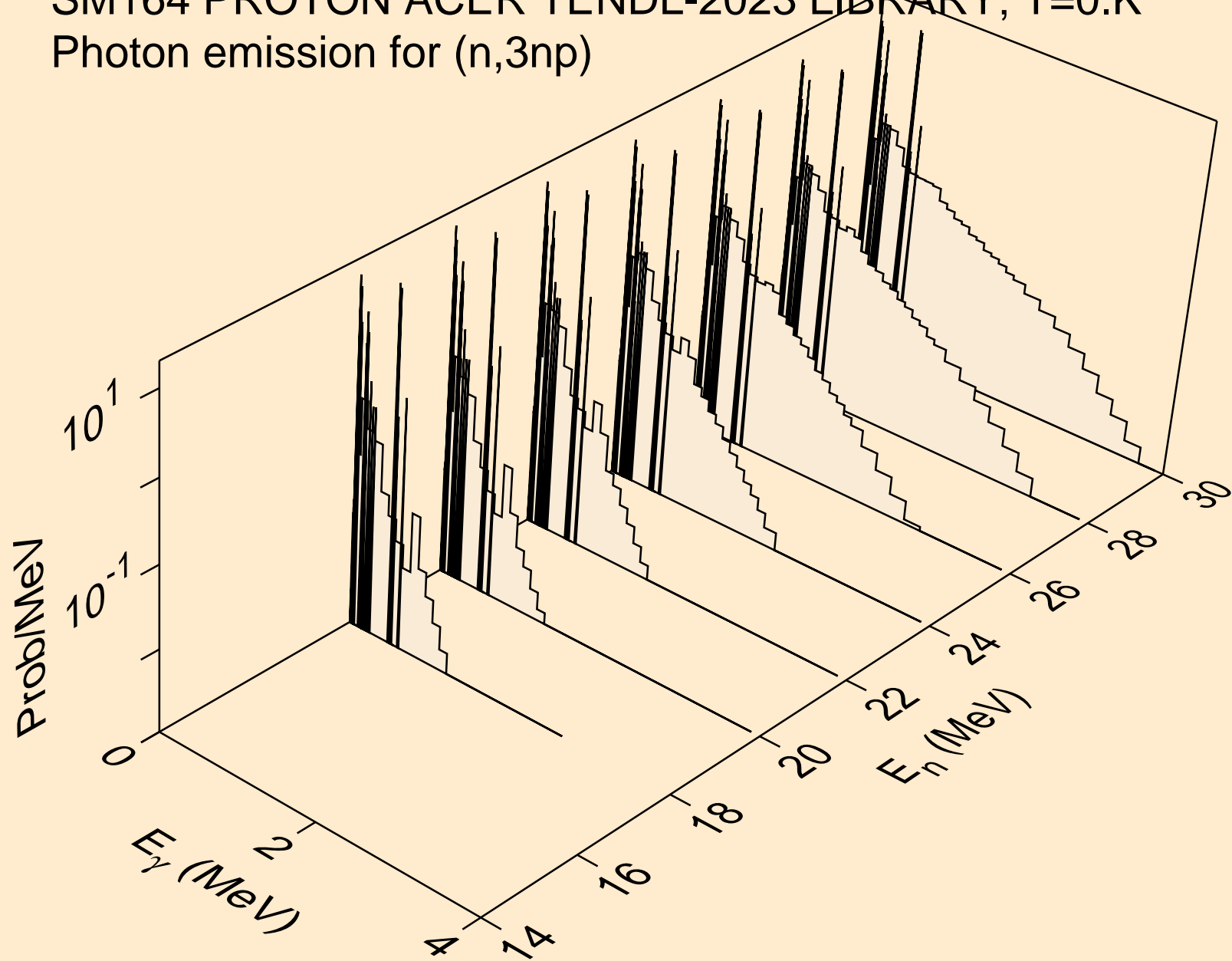
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)

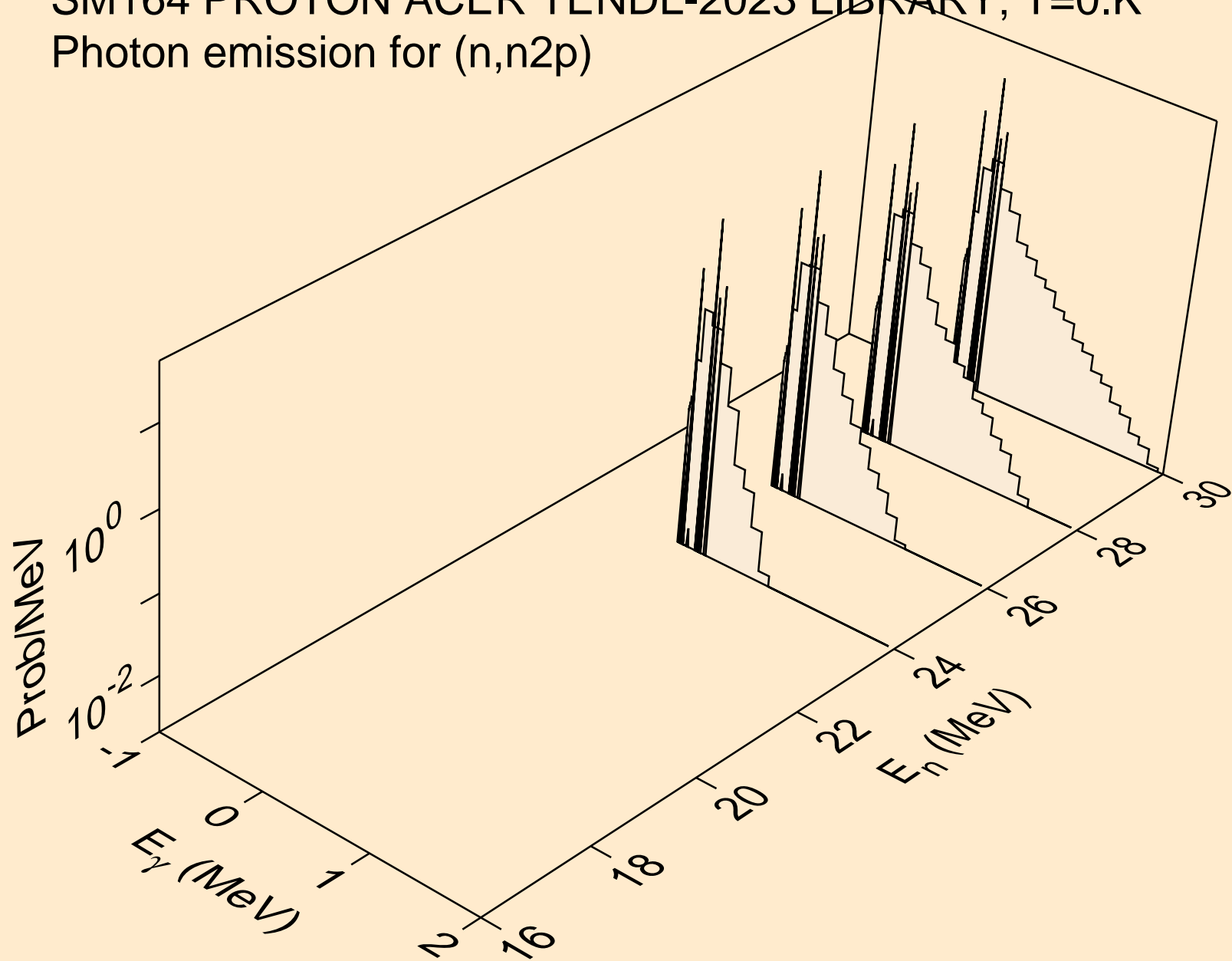


SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)

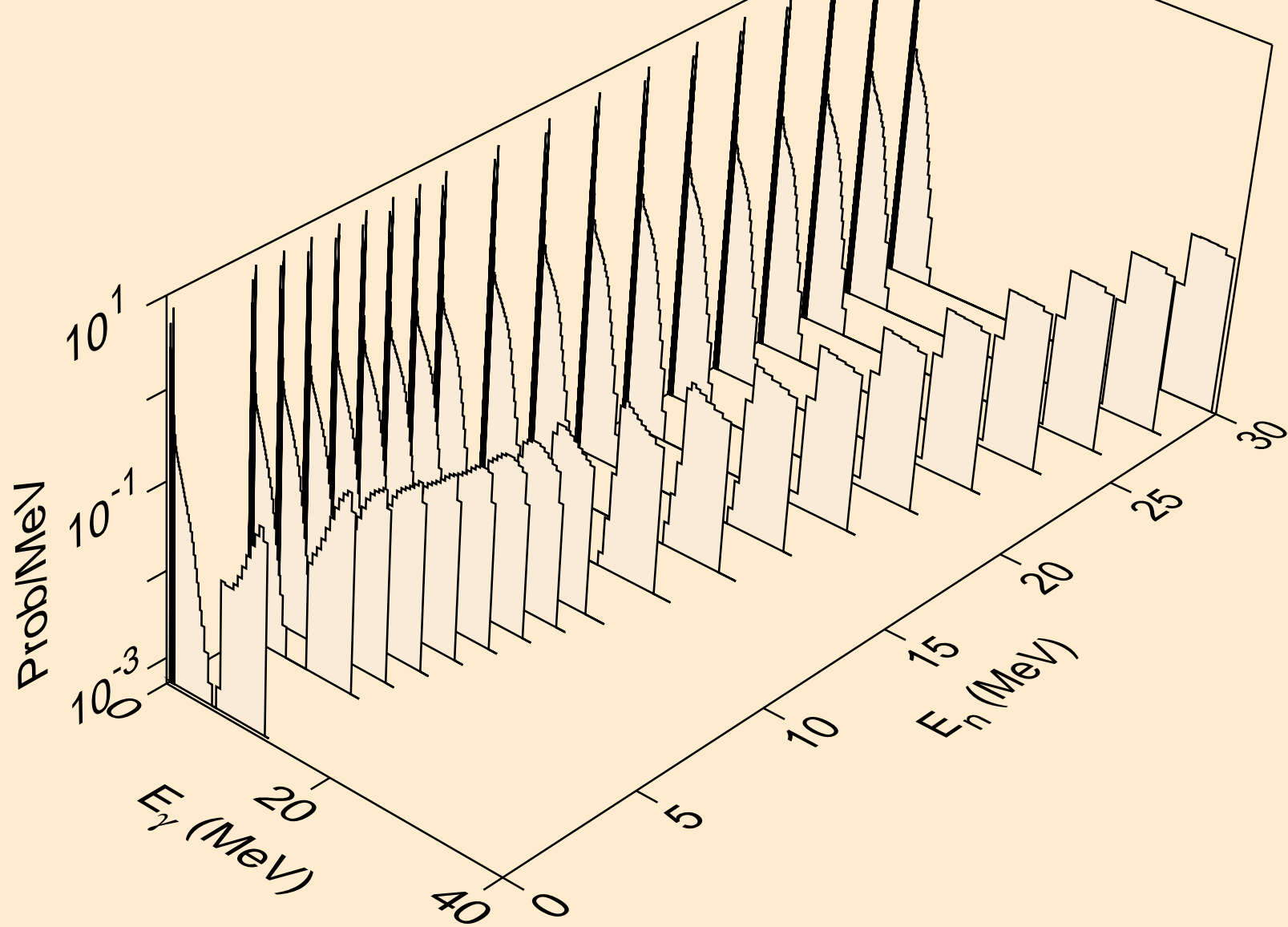




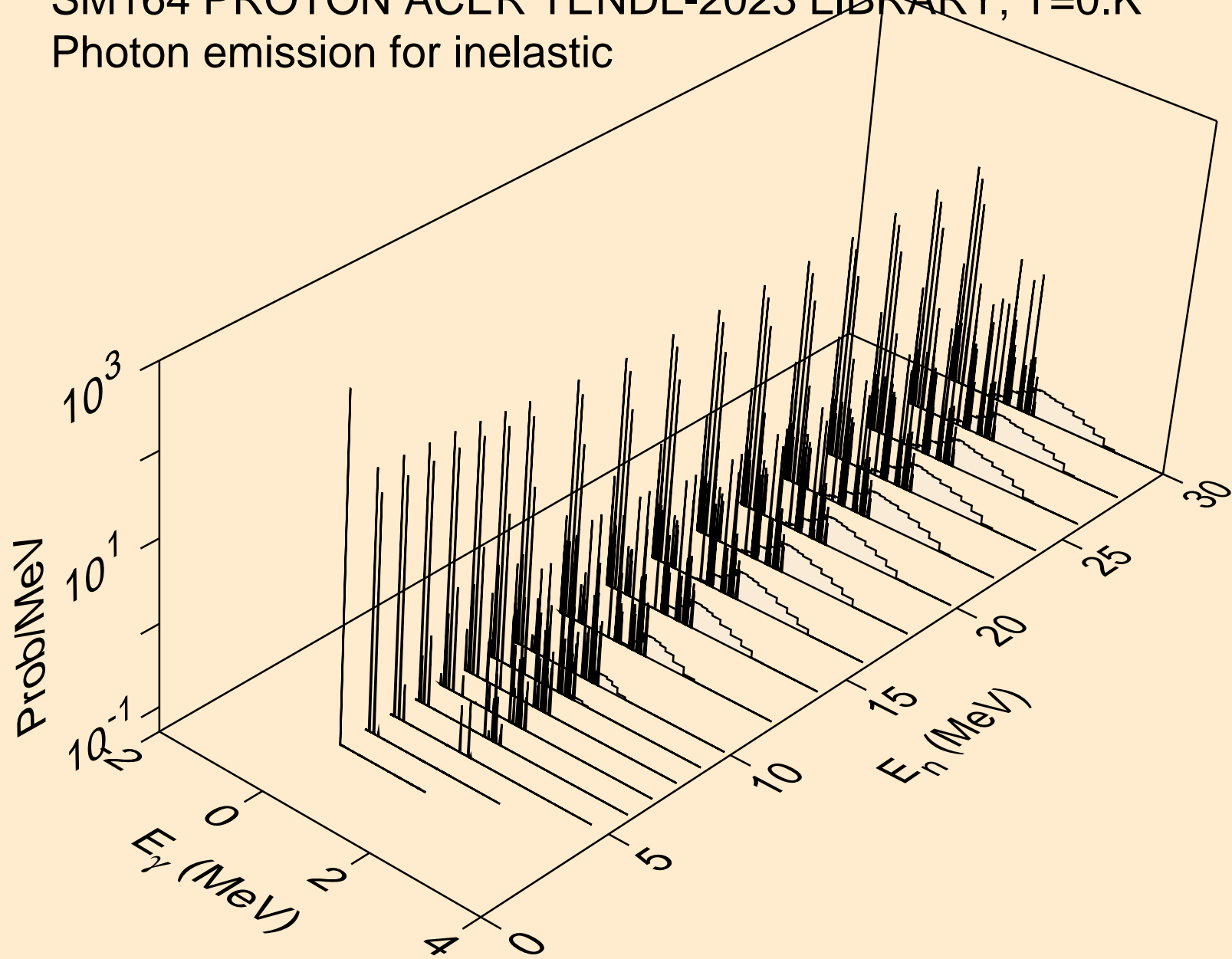
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Photon emission for (n,n2p)



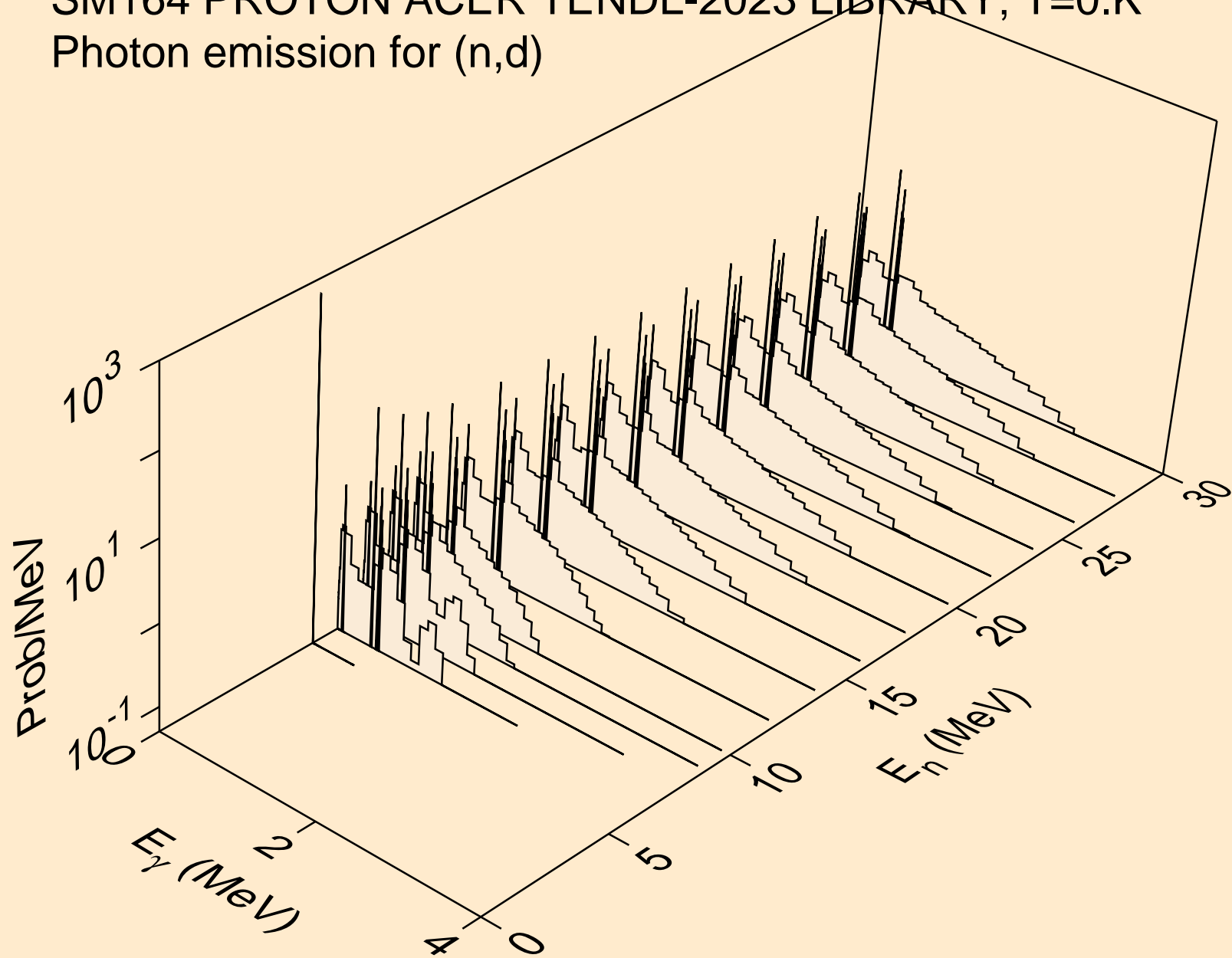
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Photon emission for (n,gma)



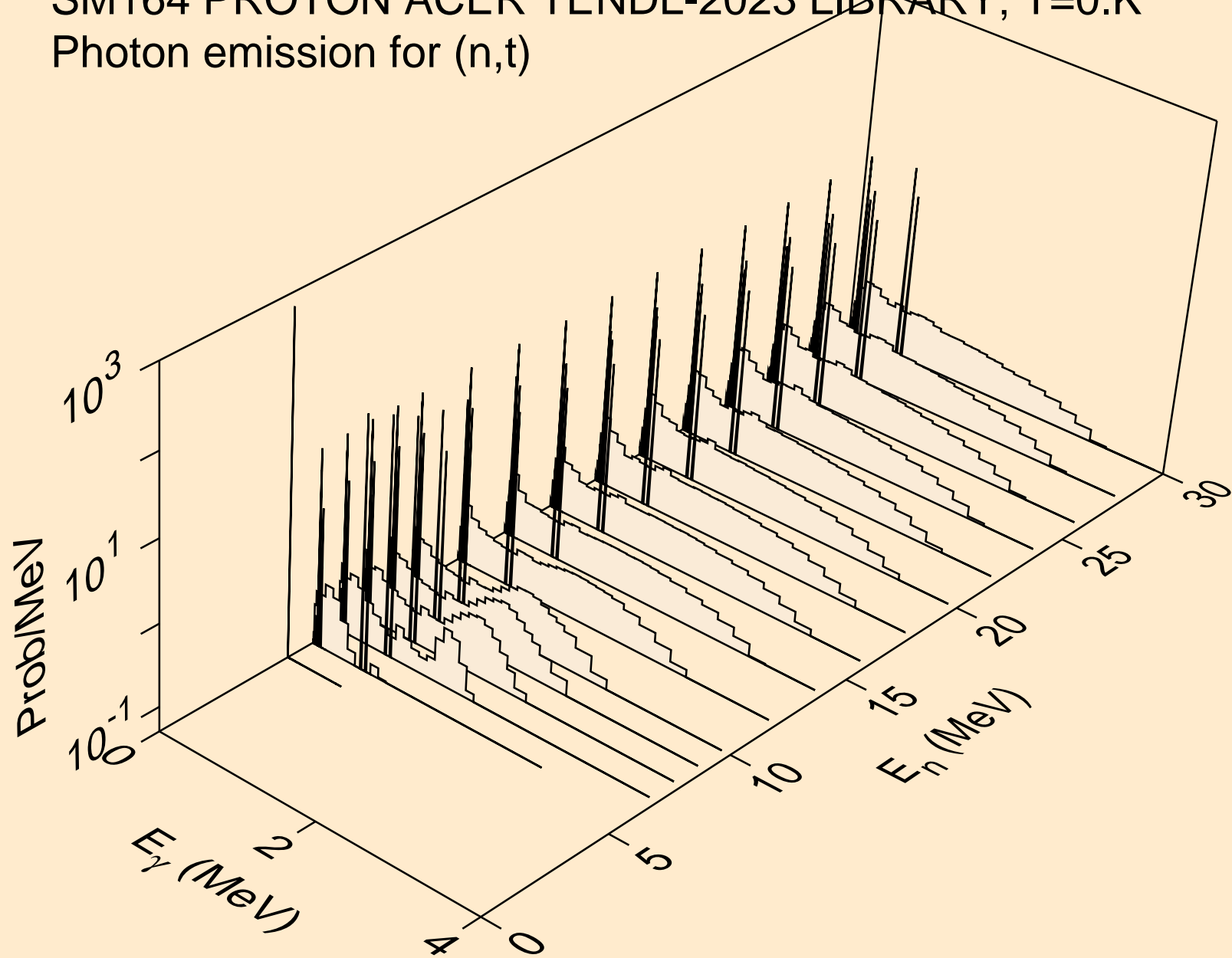
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



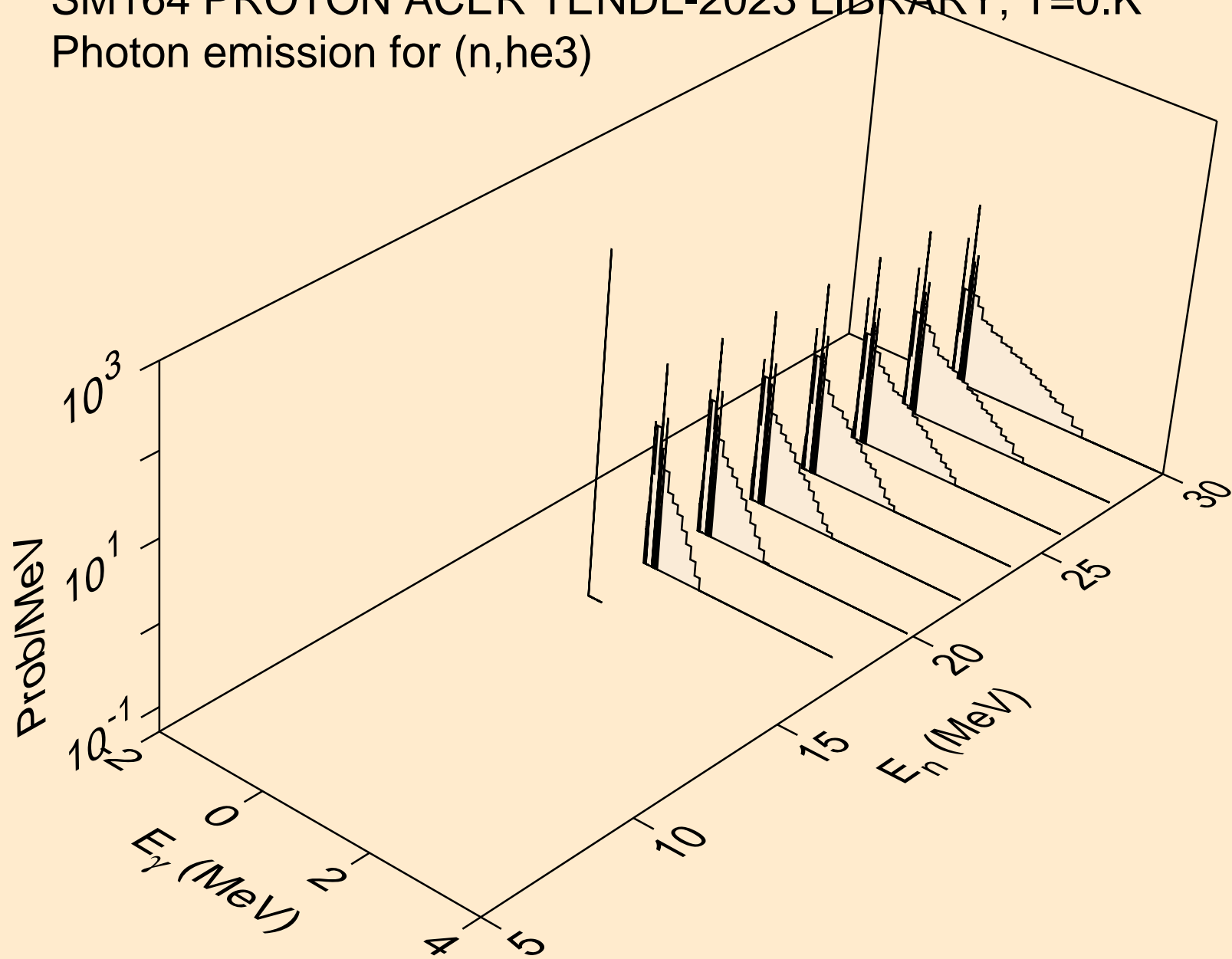
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



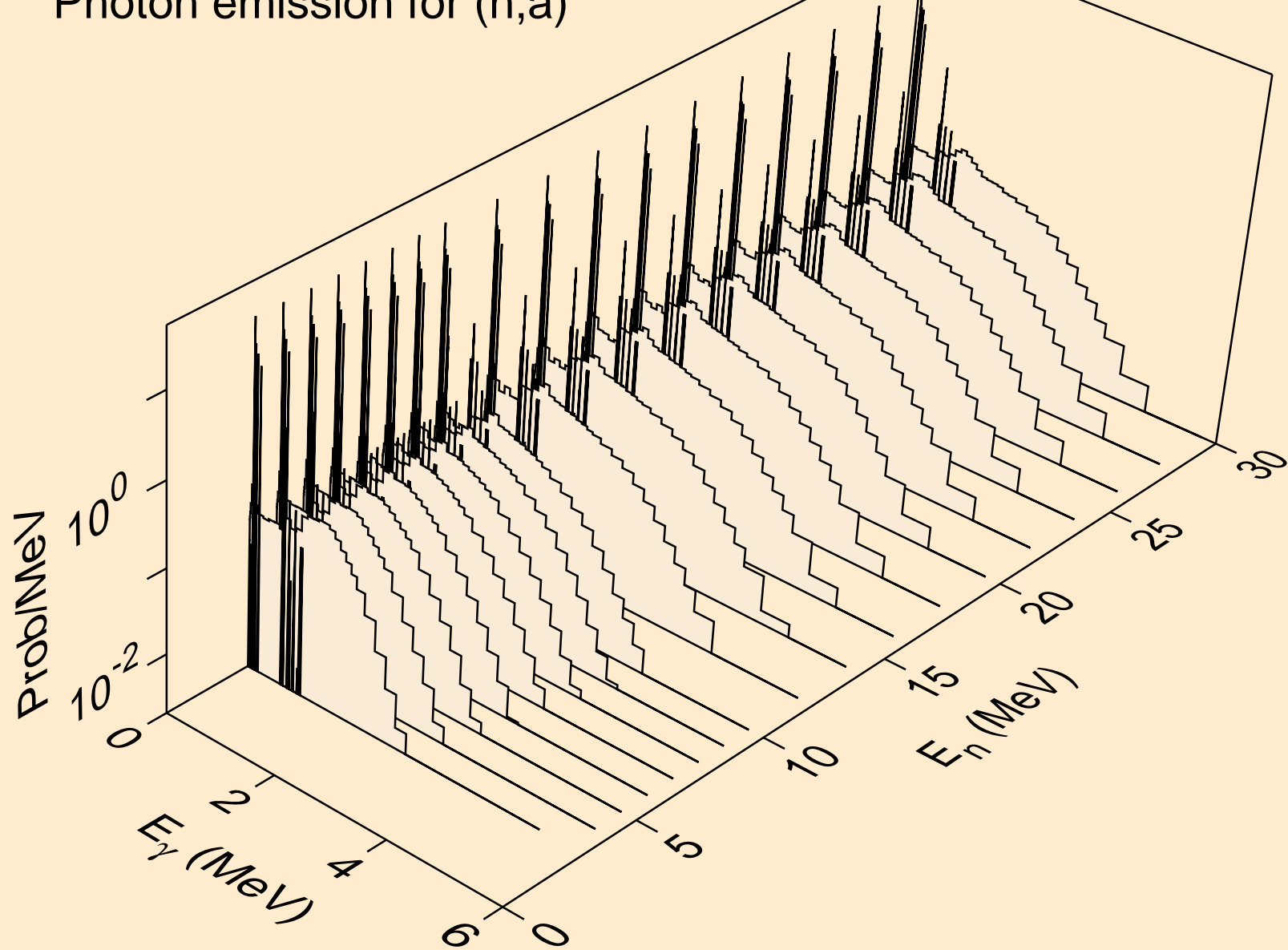
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



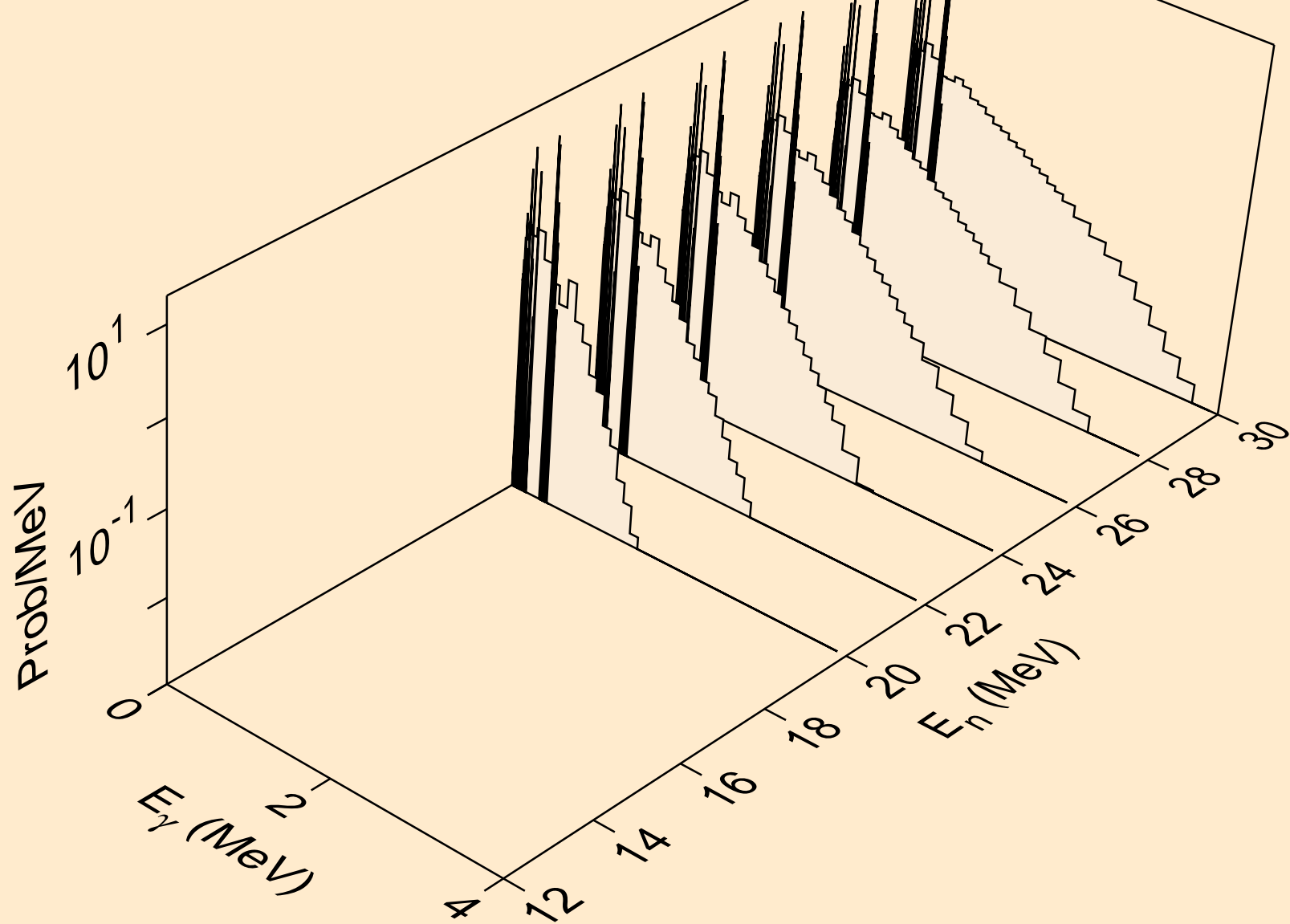
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



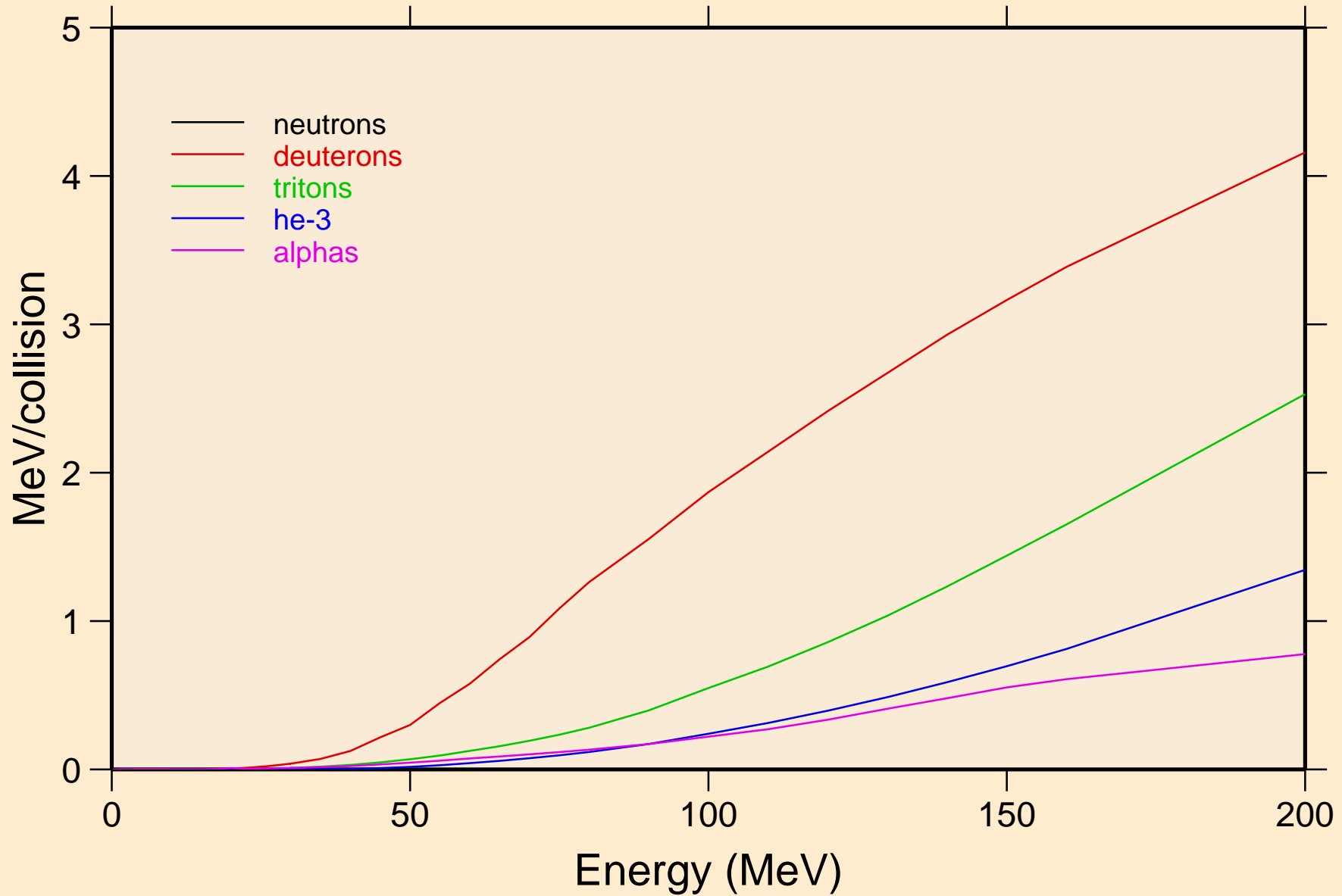
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



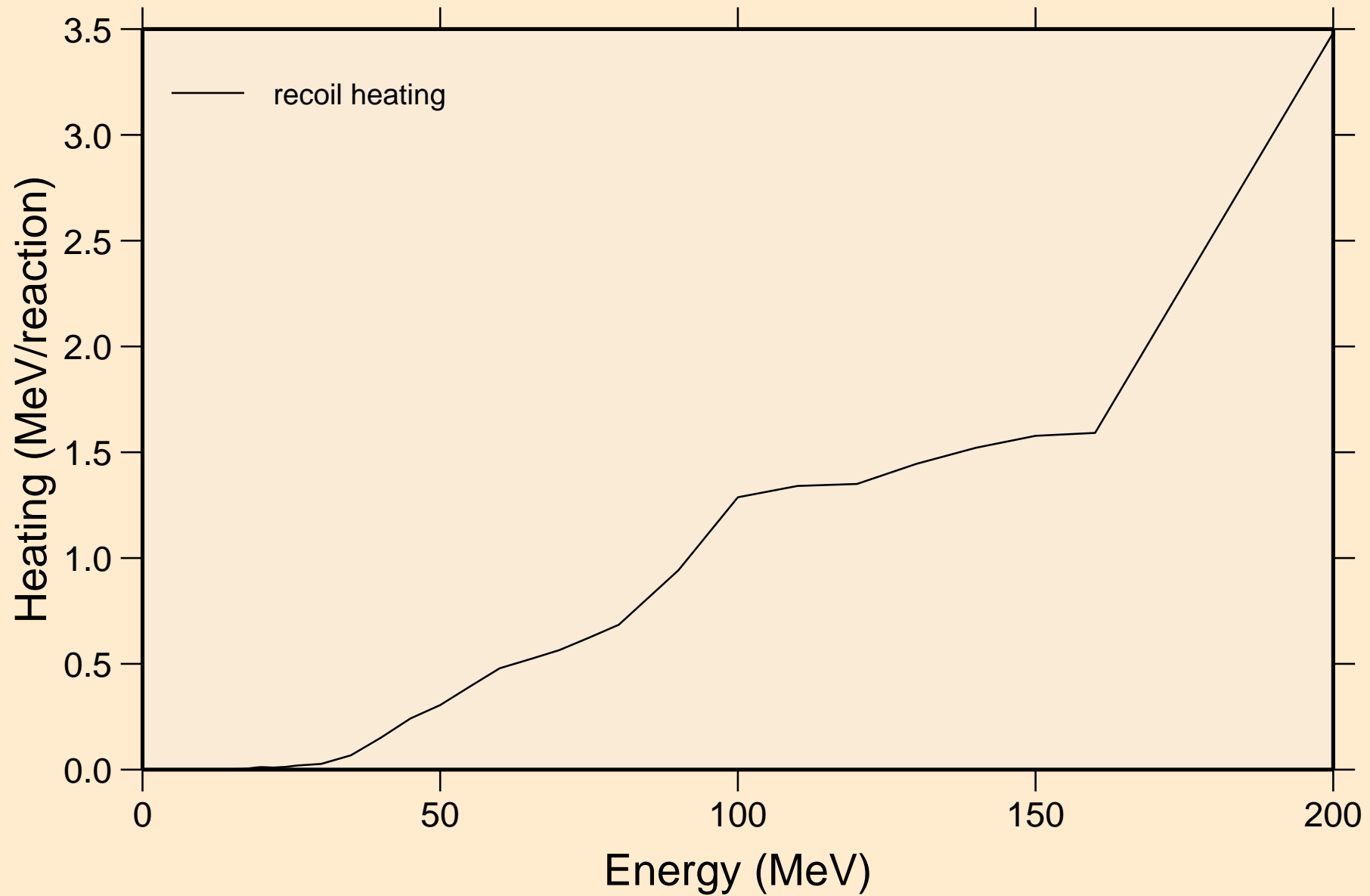


# SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K

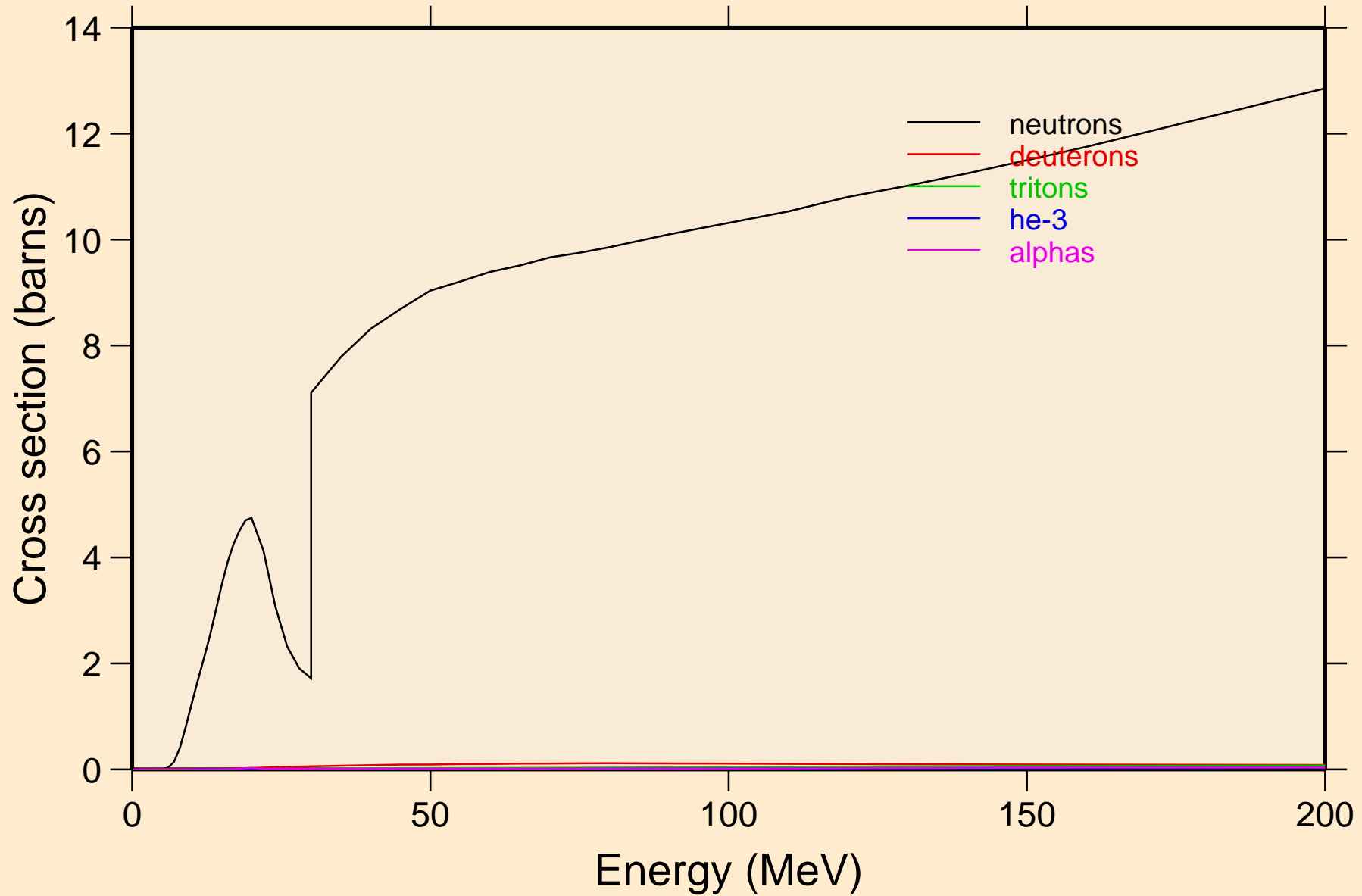
## Particle heating contributions



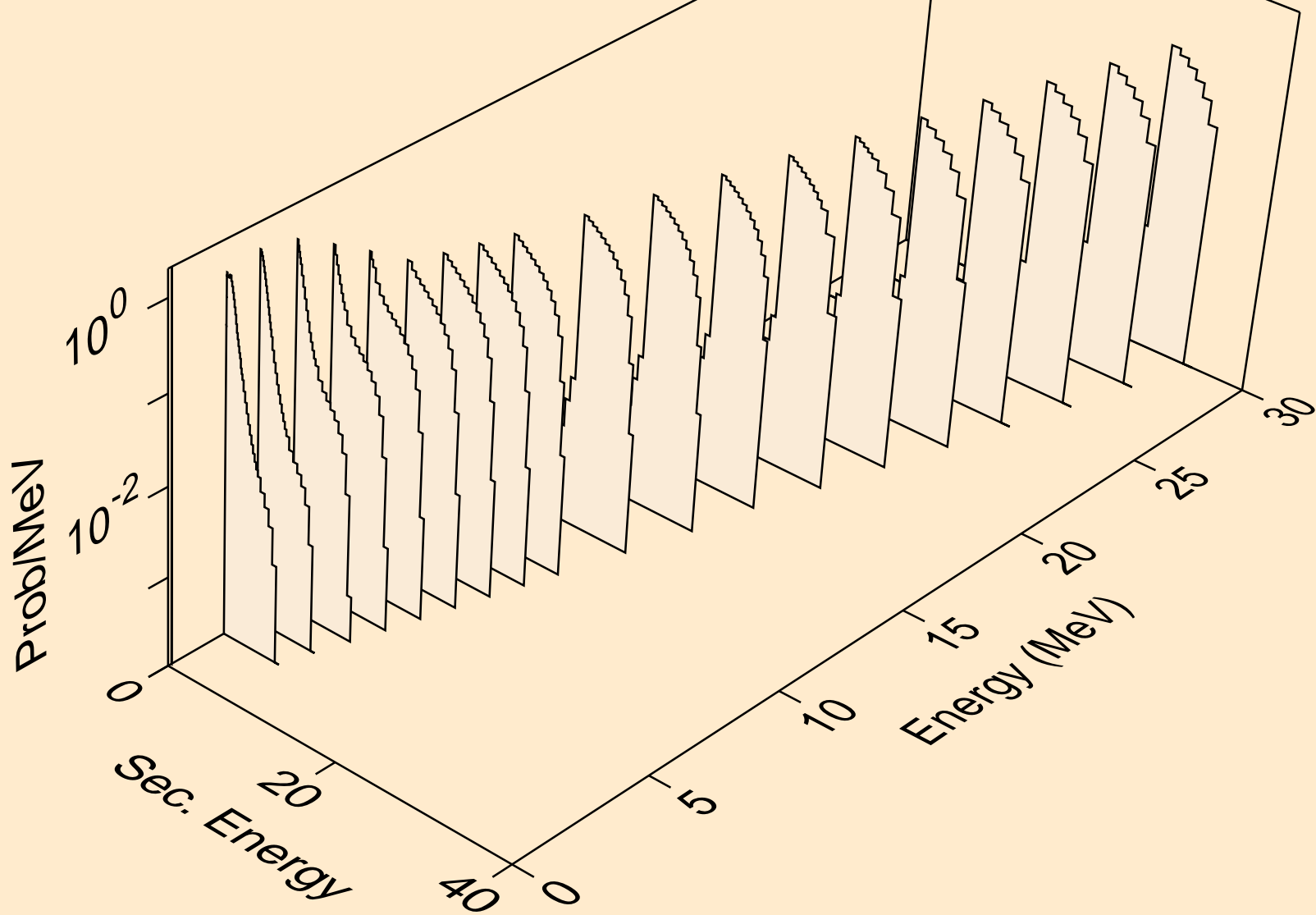
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



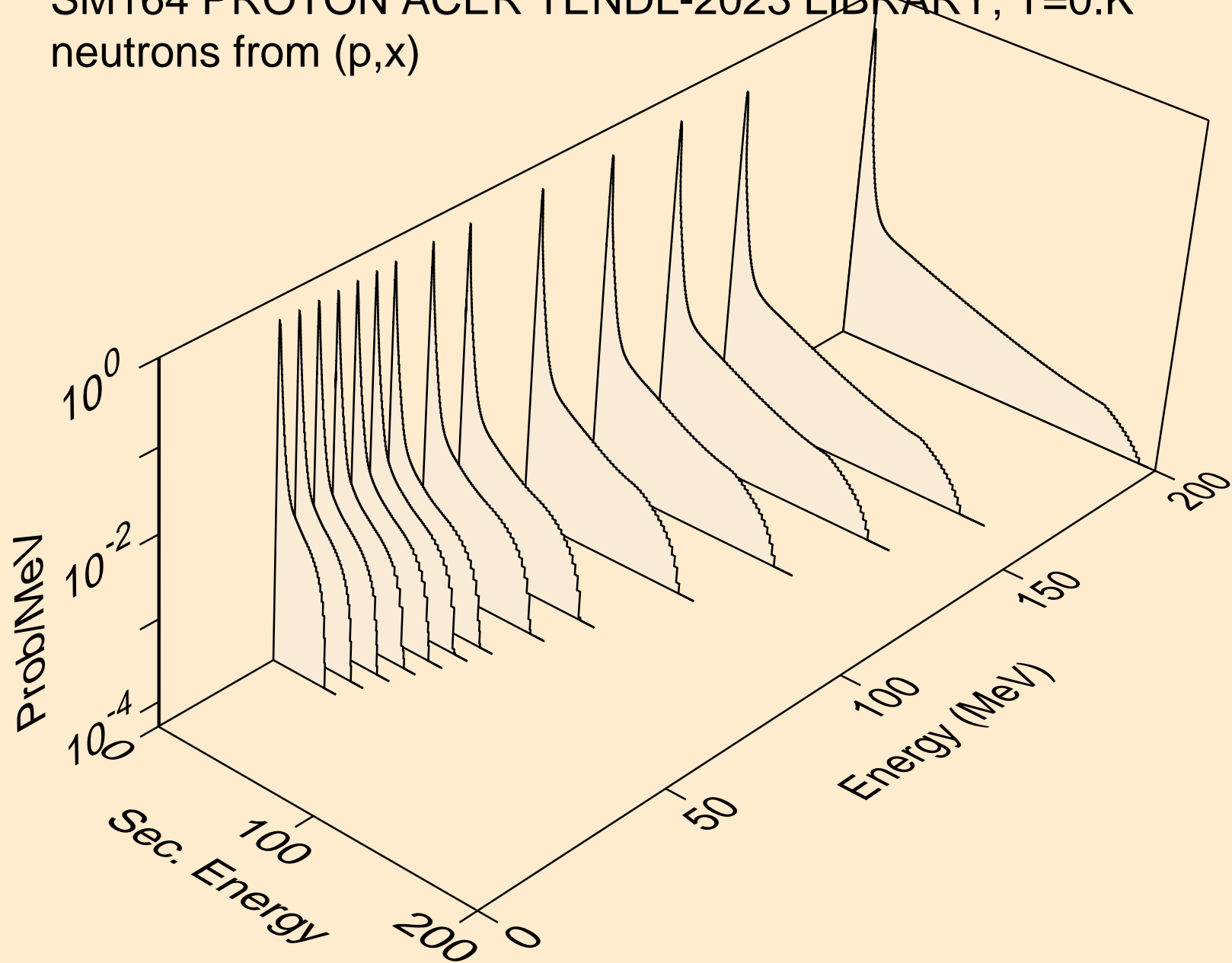
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



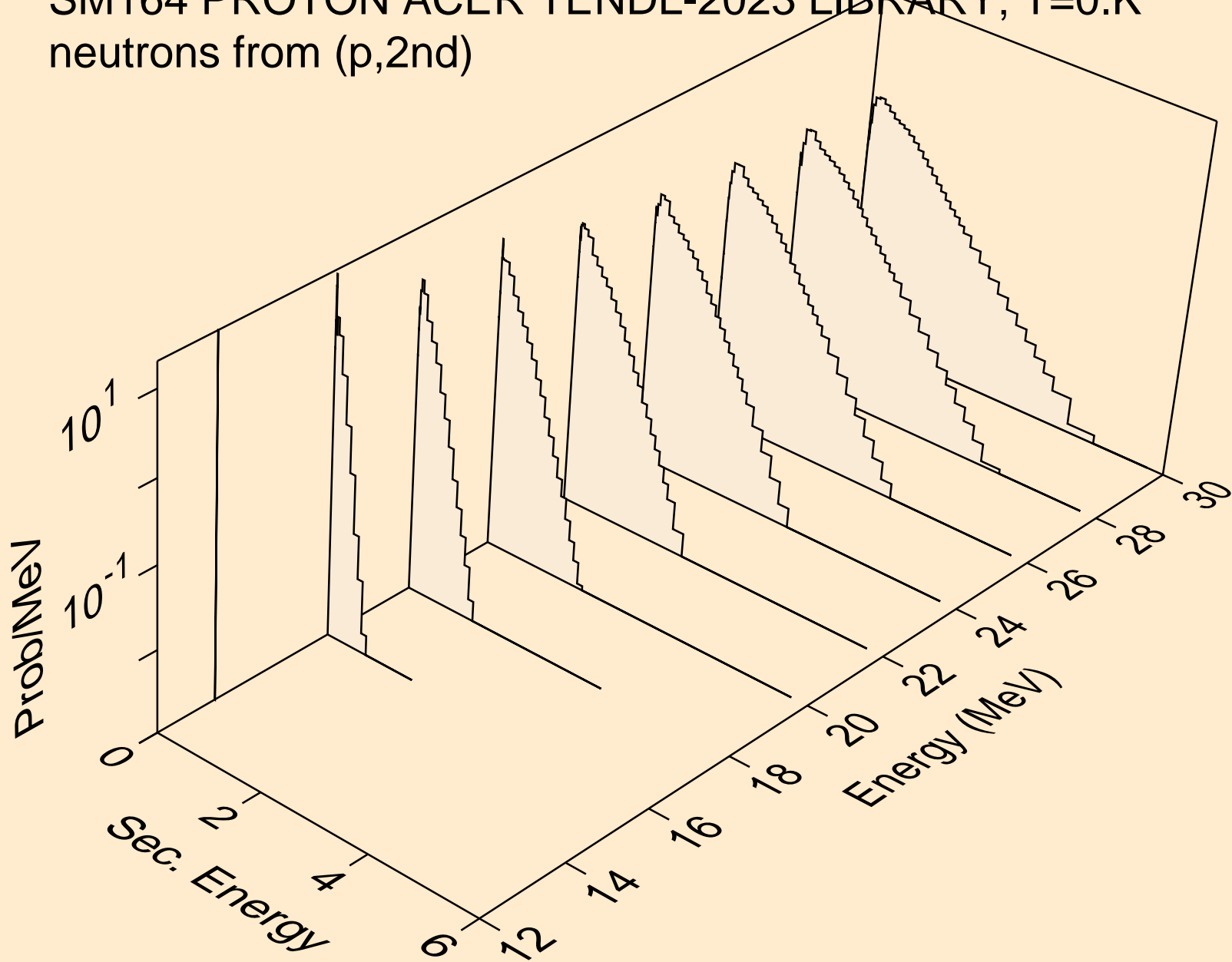
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



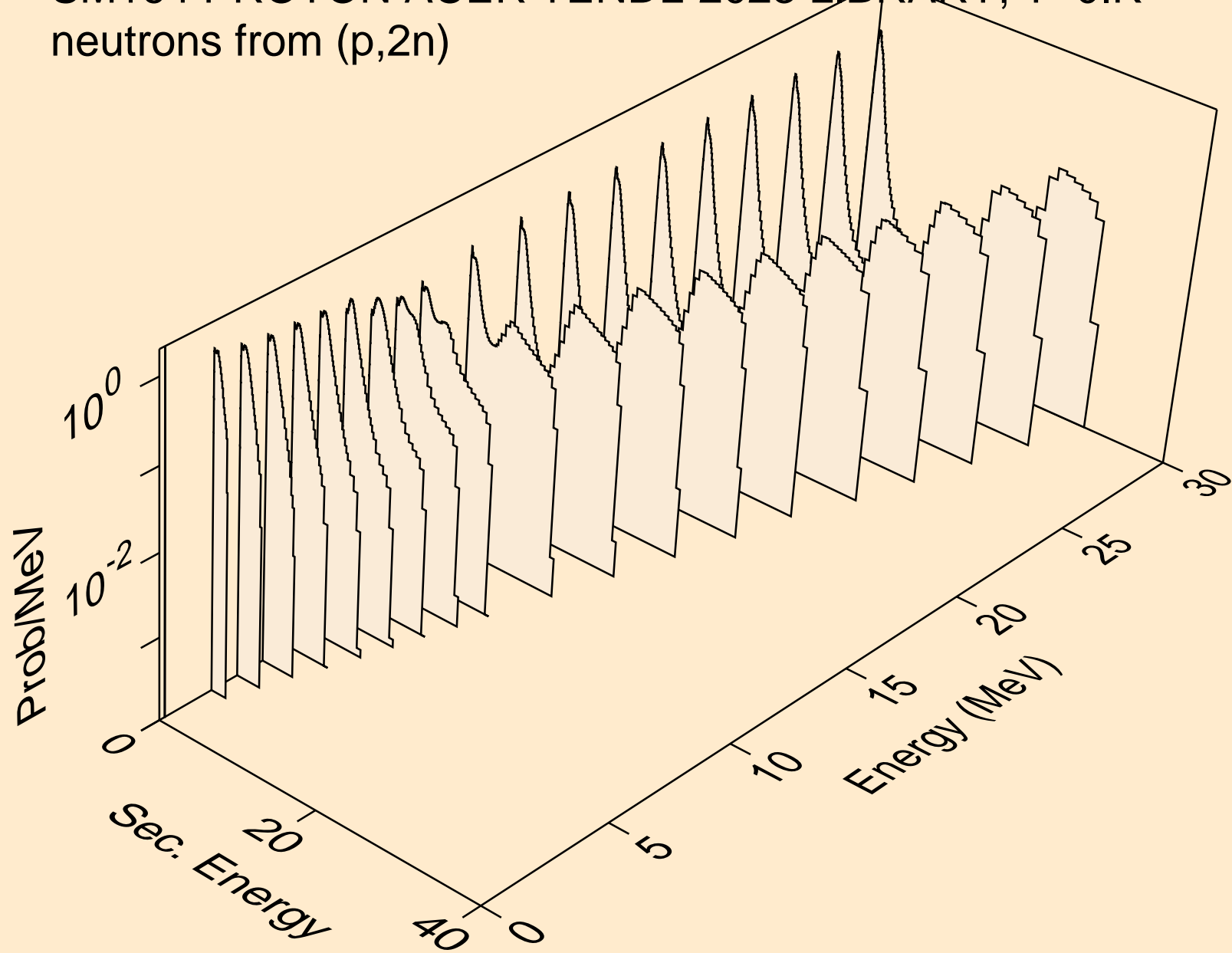
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)



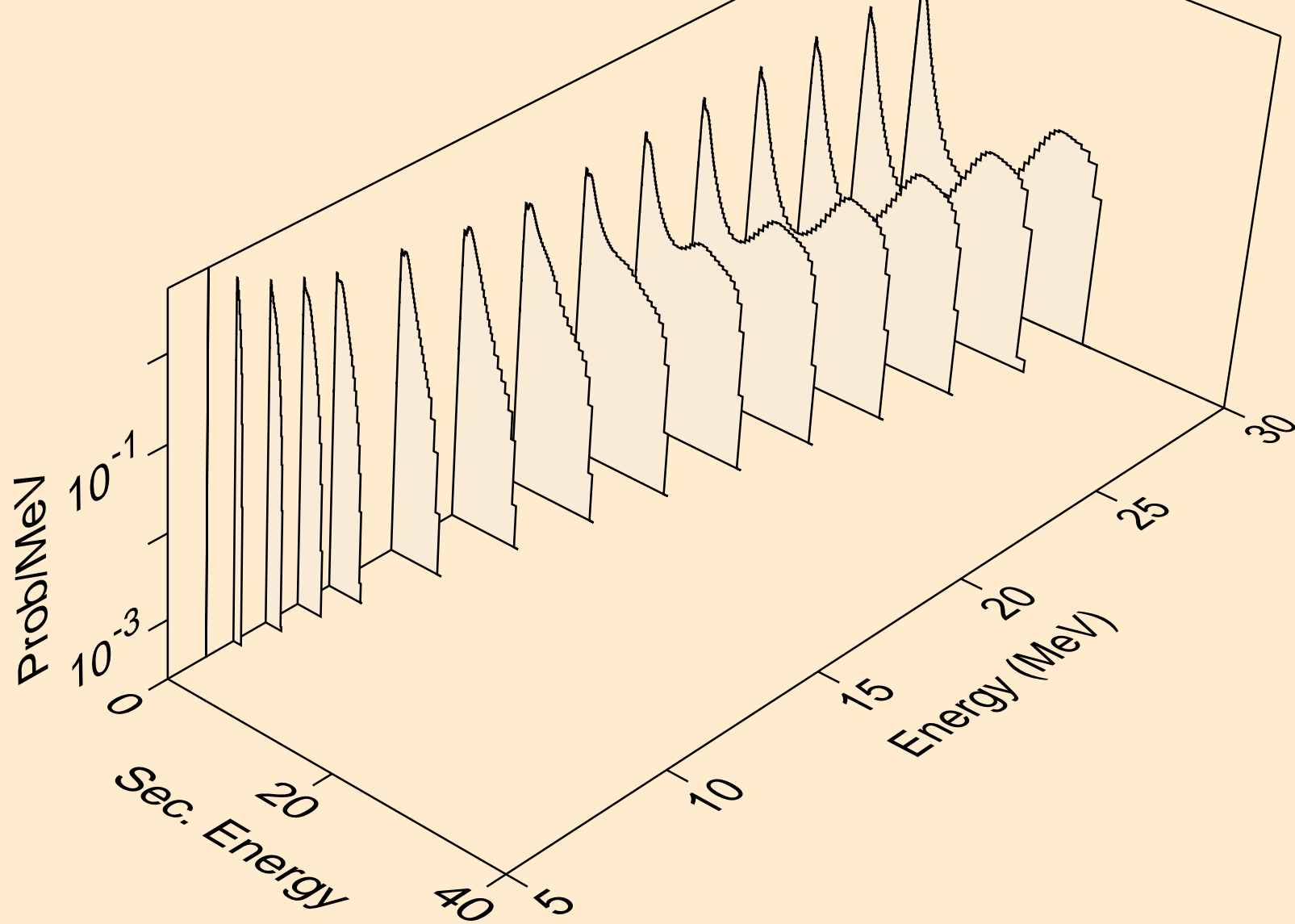
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2nd)



SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)

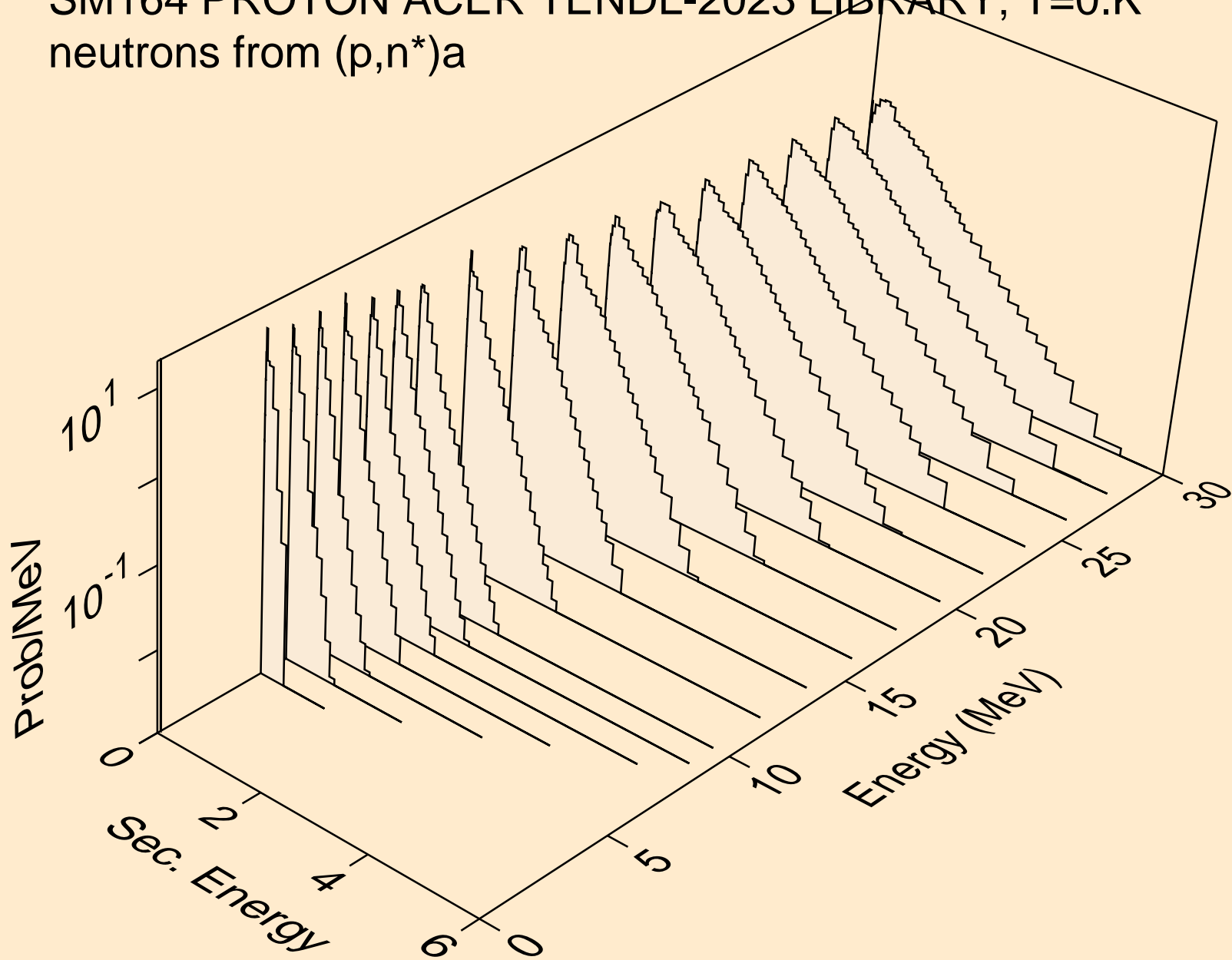


SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3n)

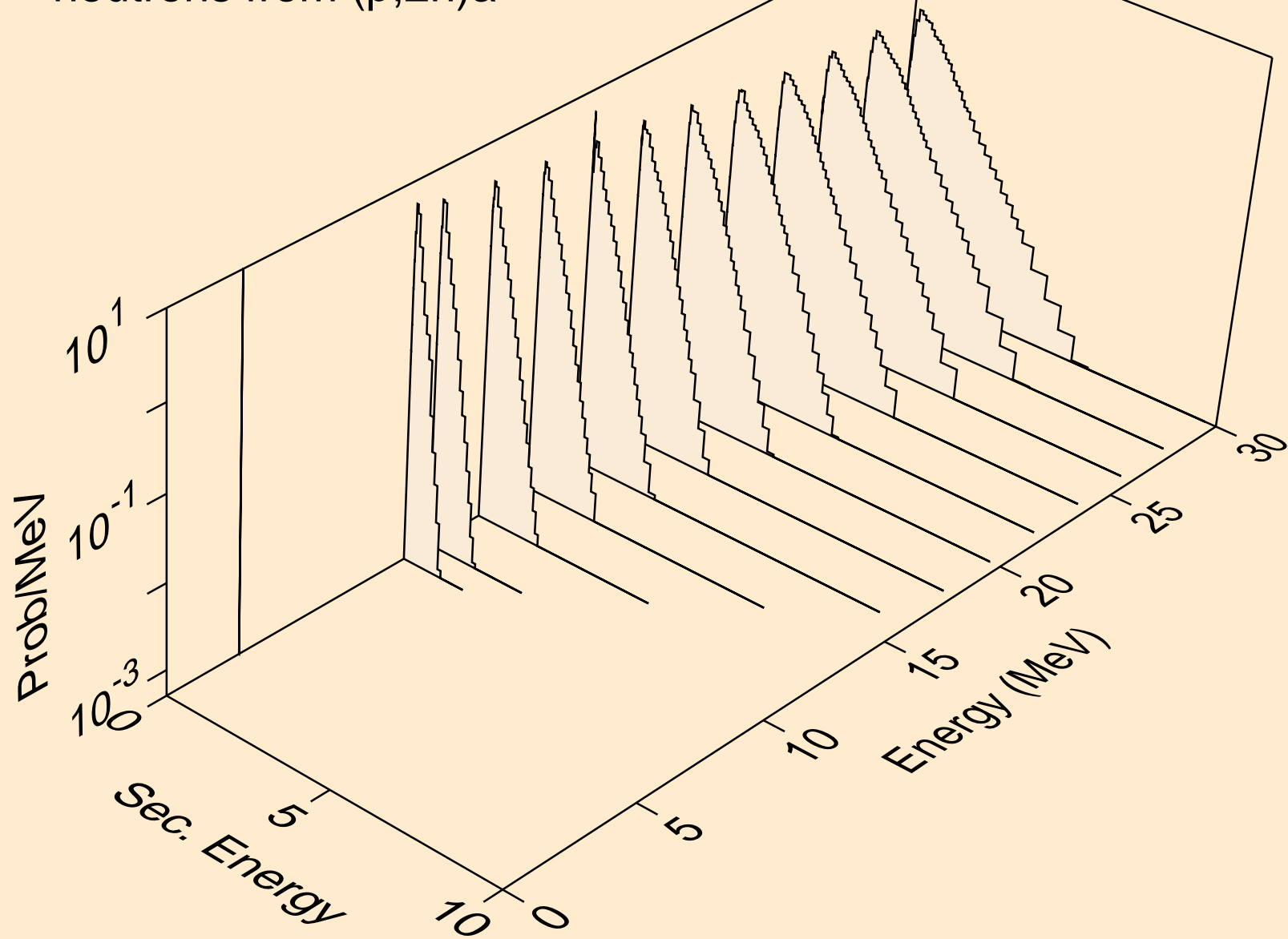




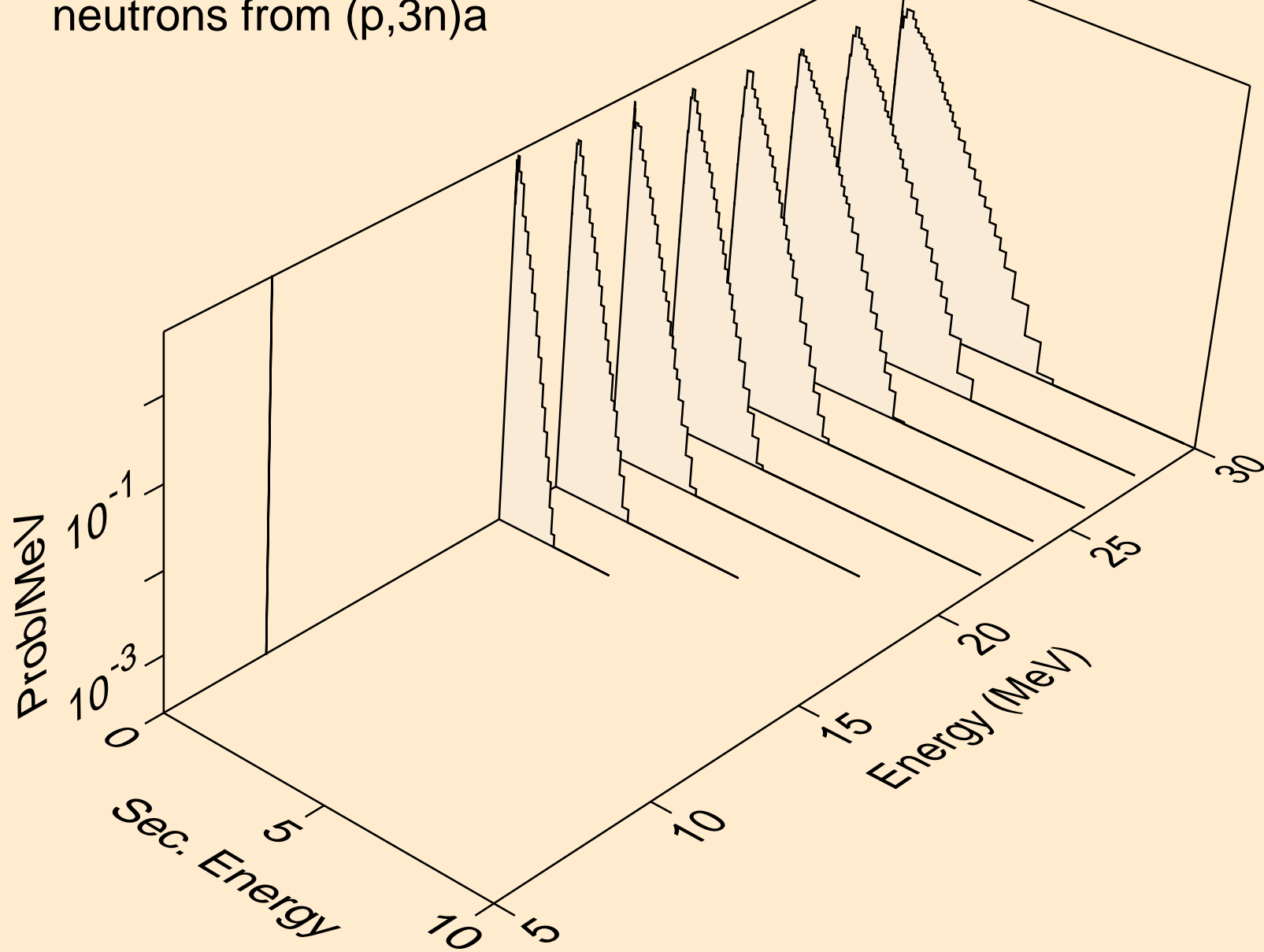
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a



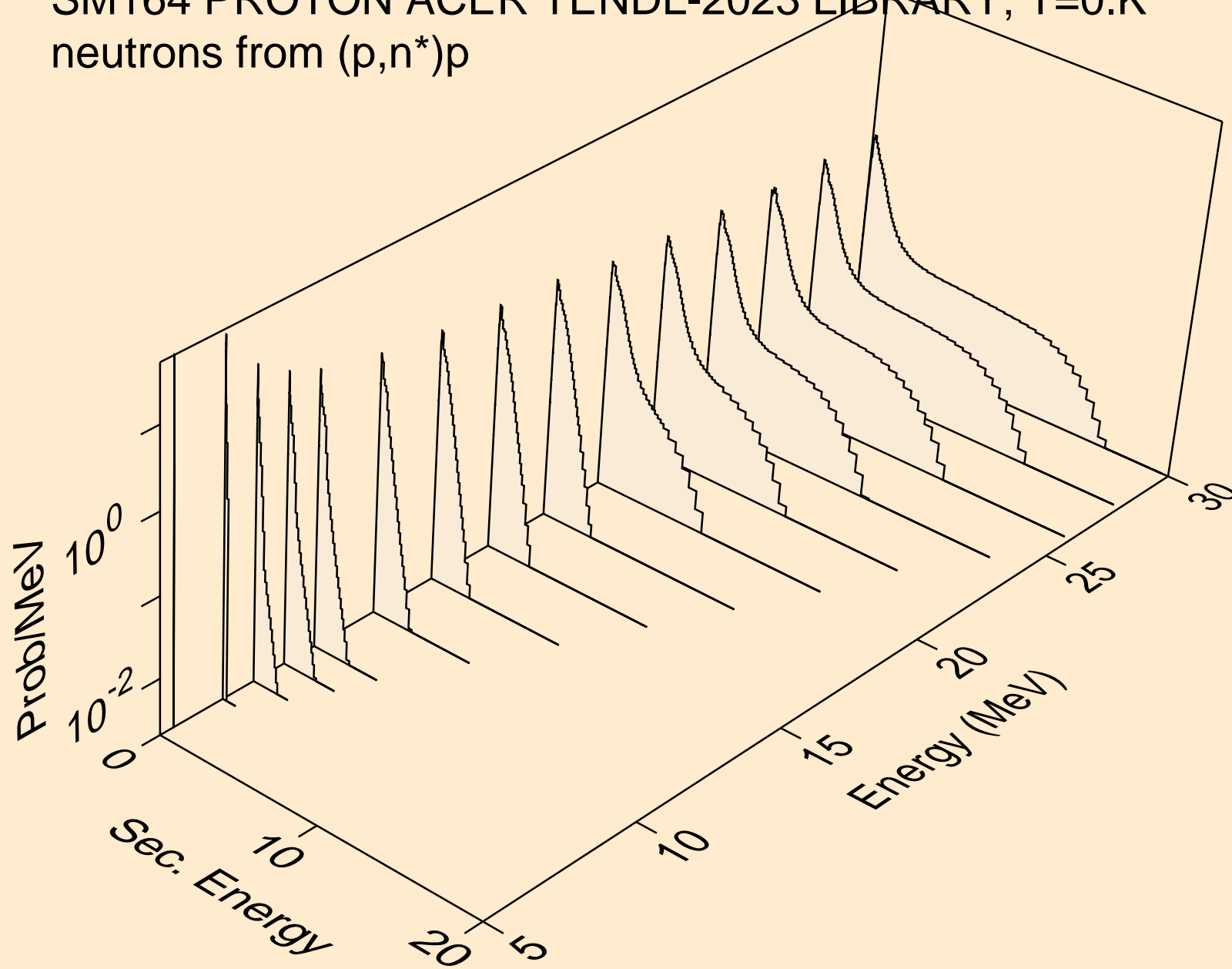
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)a



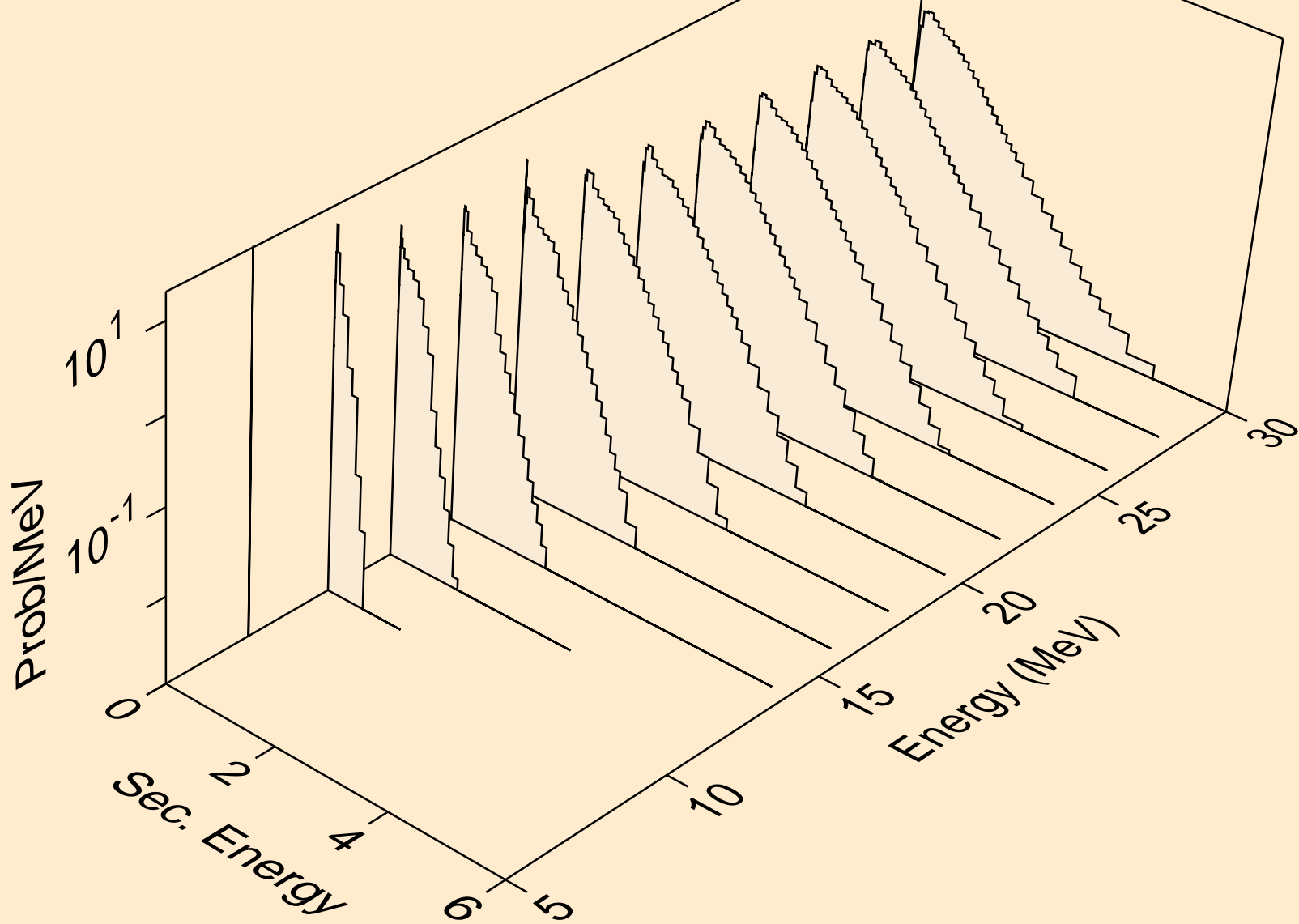
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neutrons from (p,3n)a



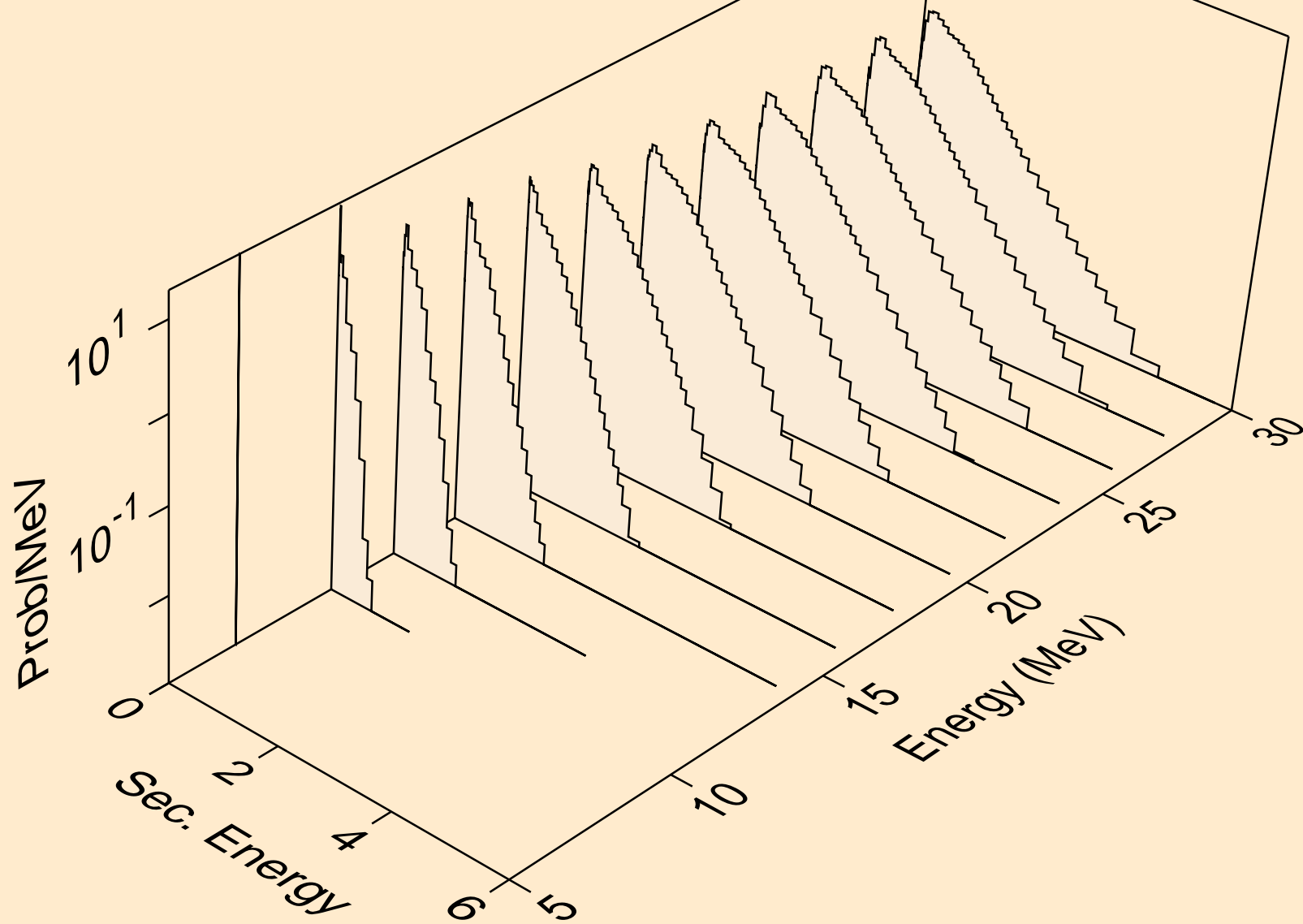
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)p



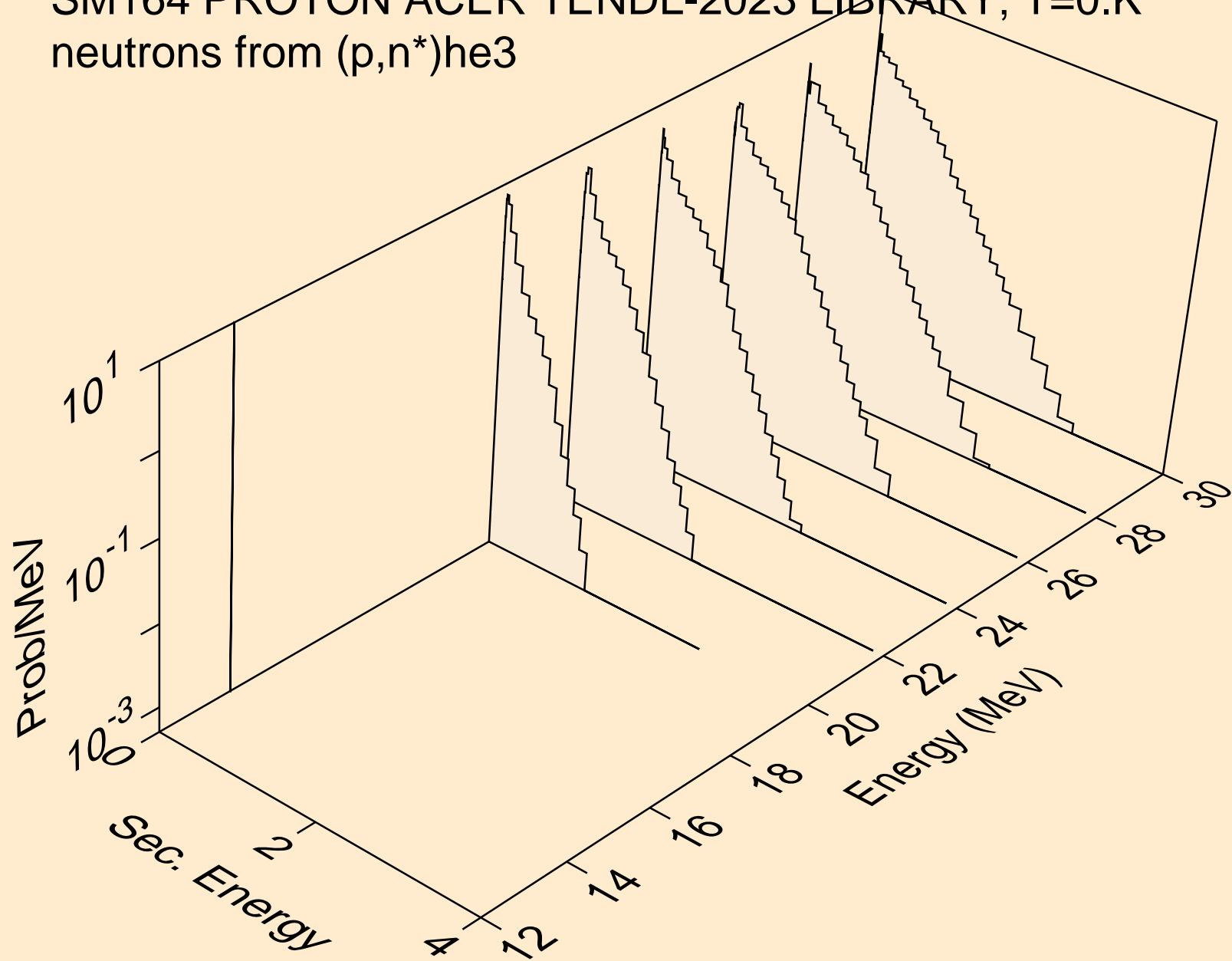
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)d



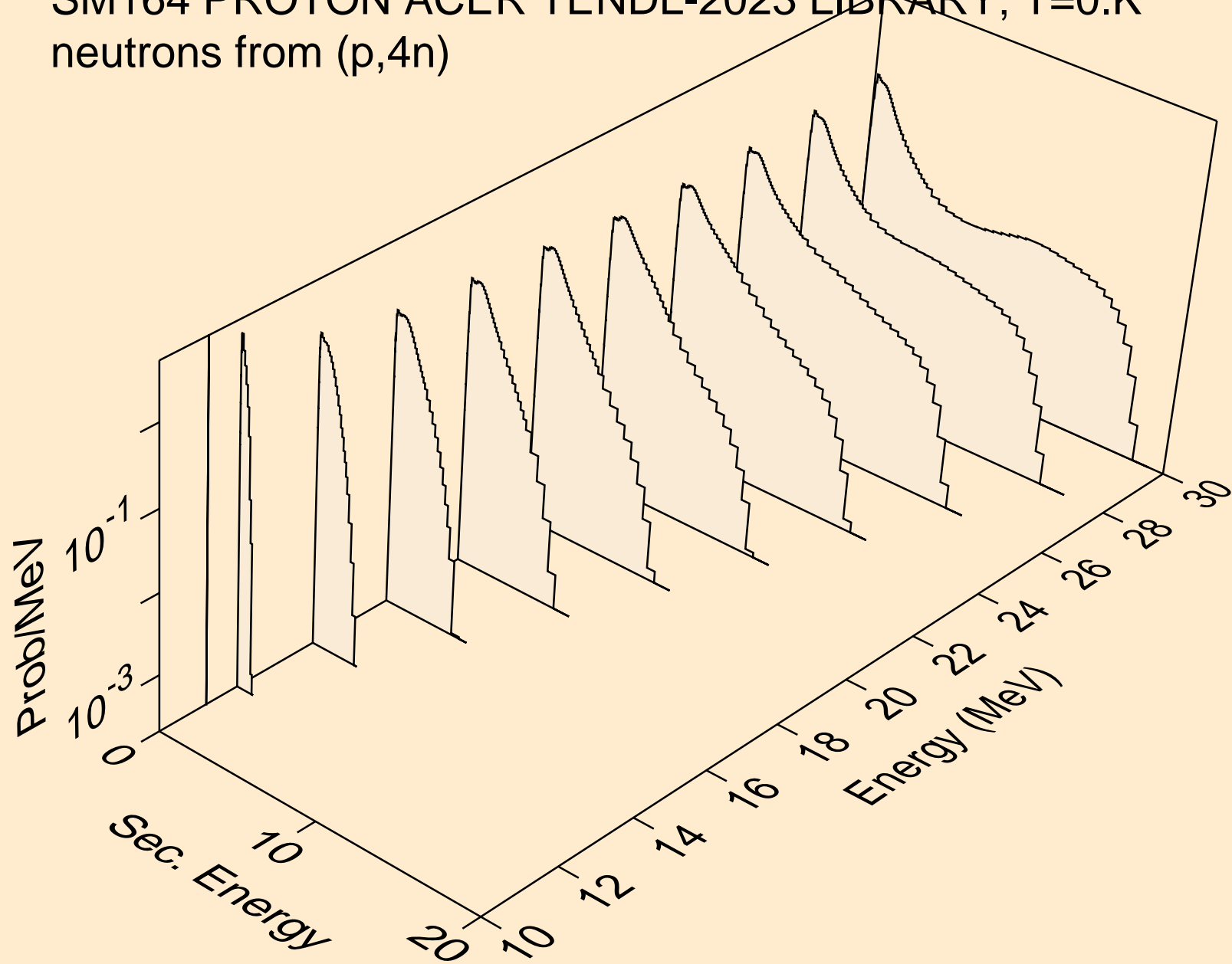
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)t



SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3

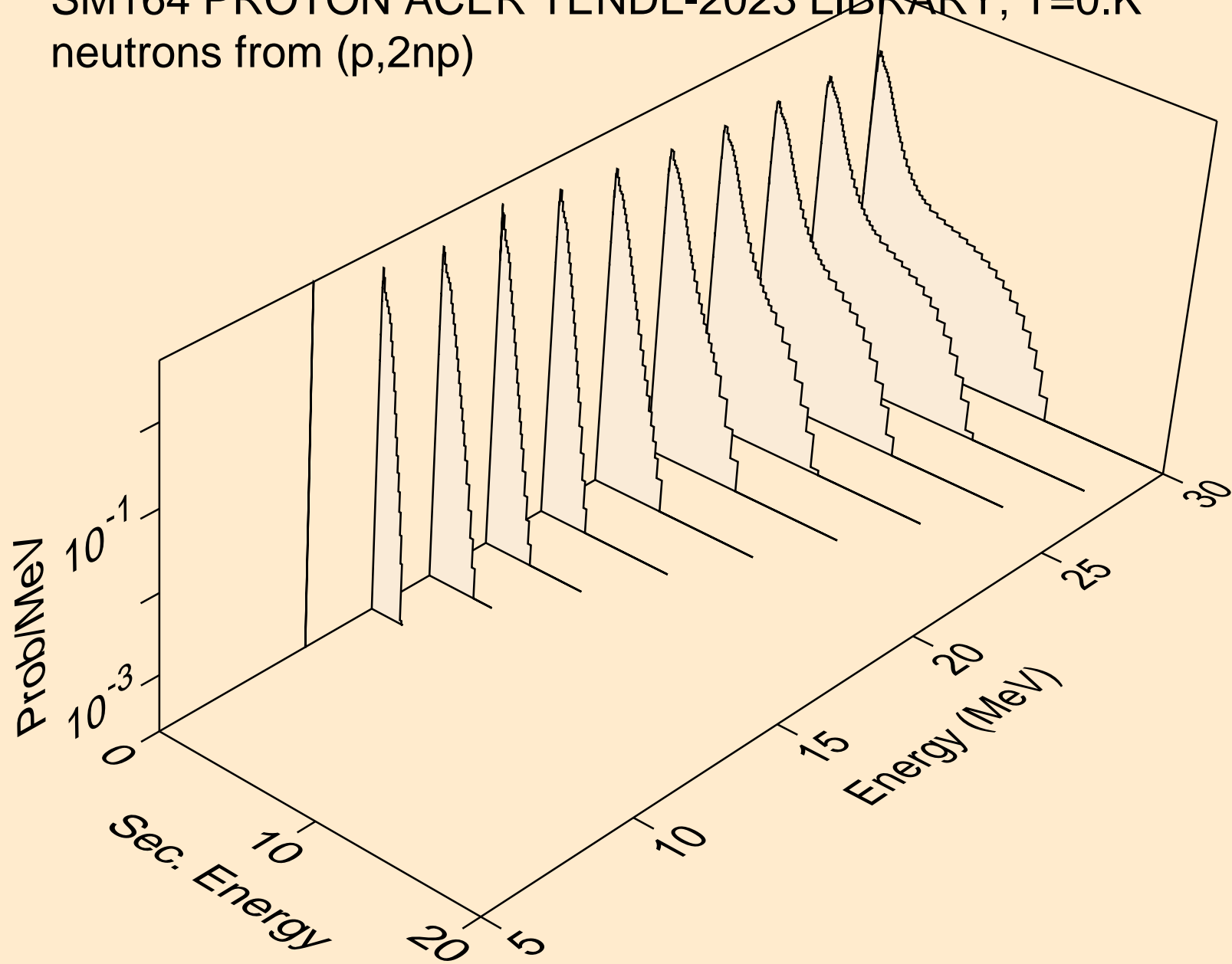


SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,4n)

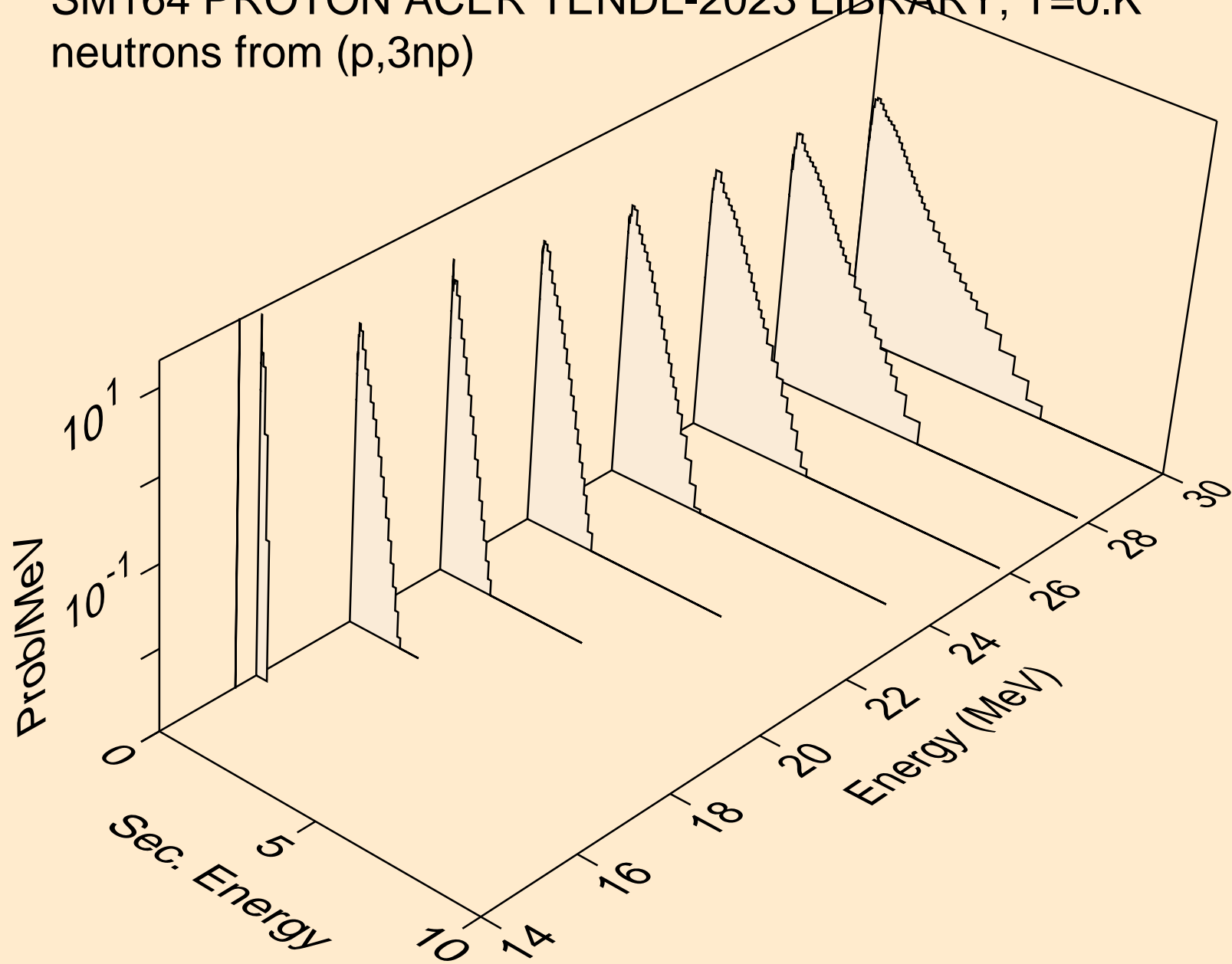




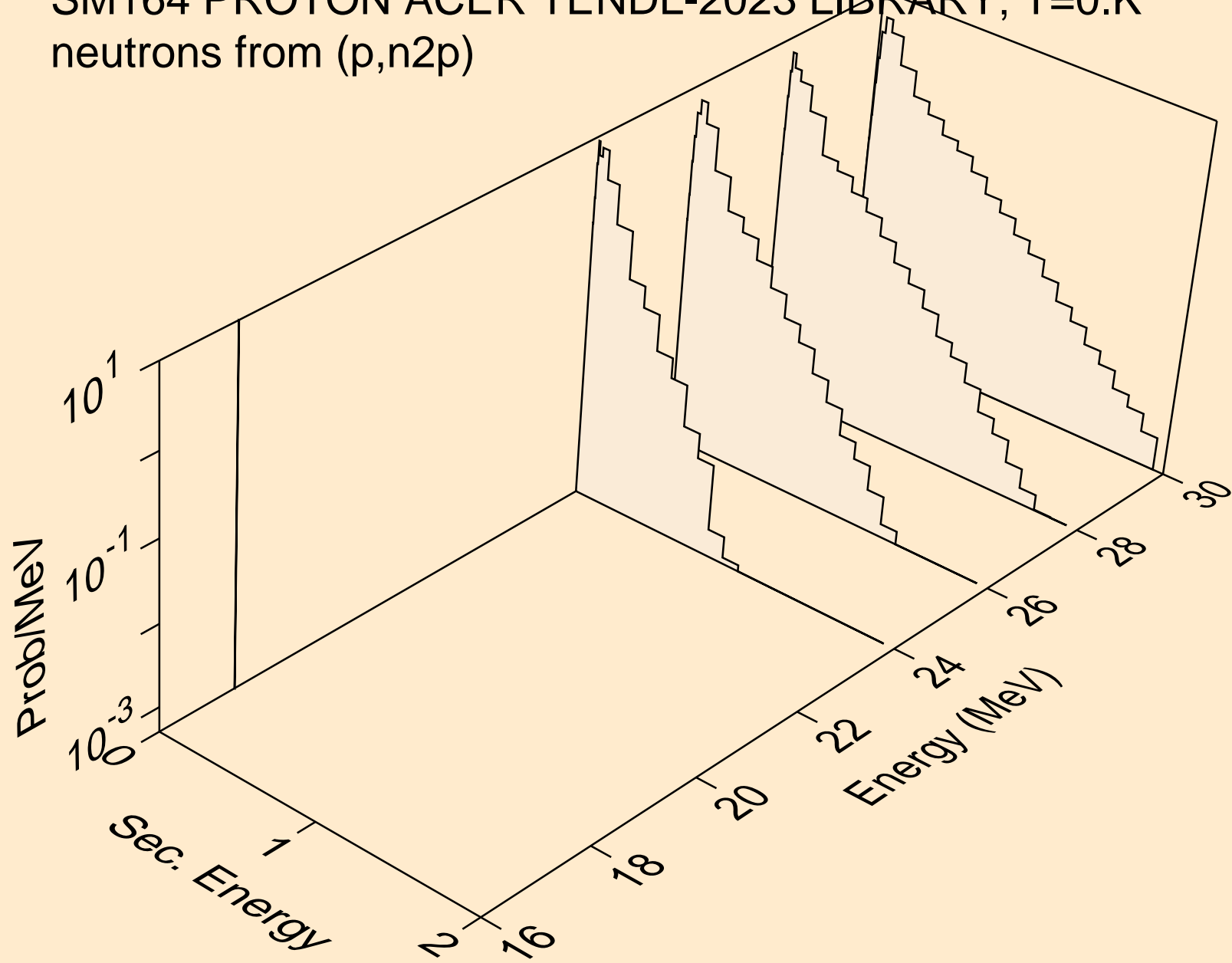
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2np)



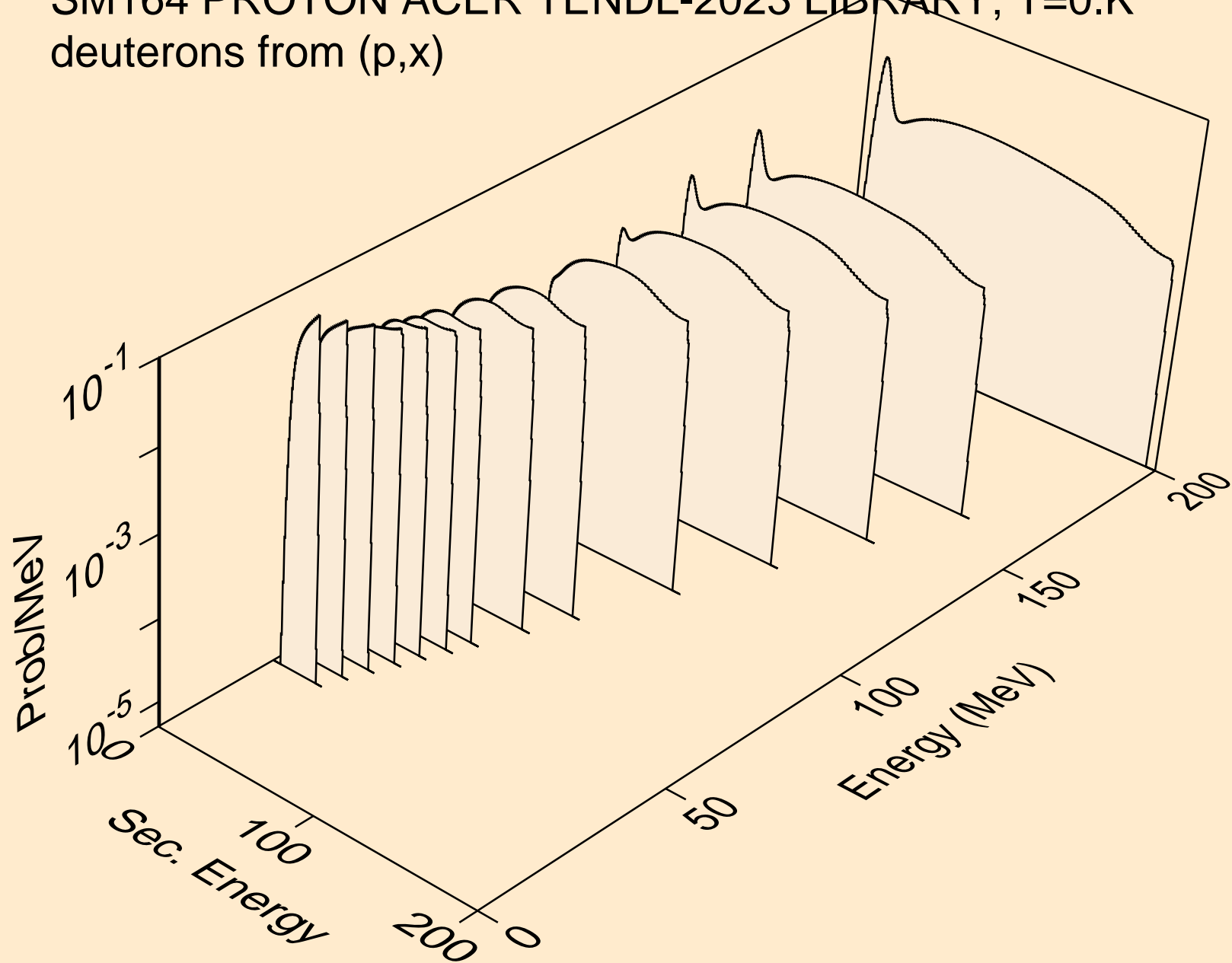
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3np)



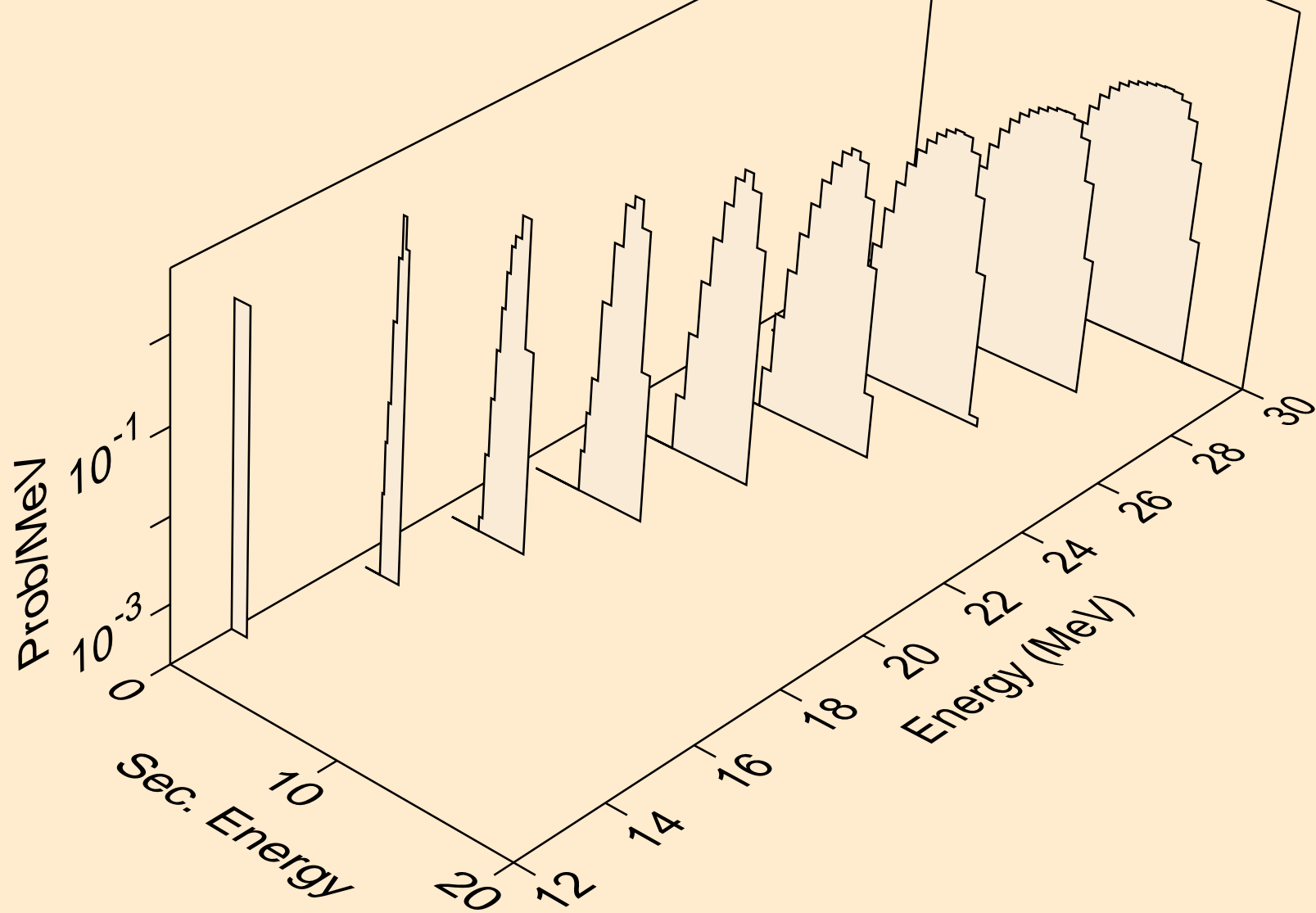
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n2p)



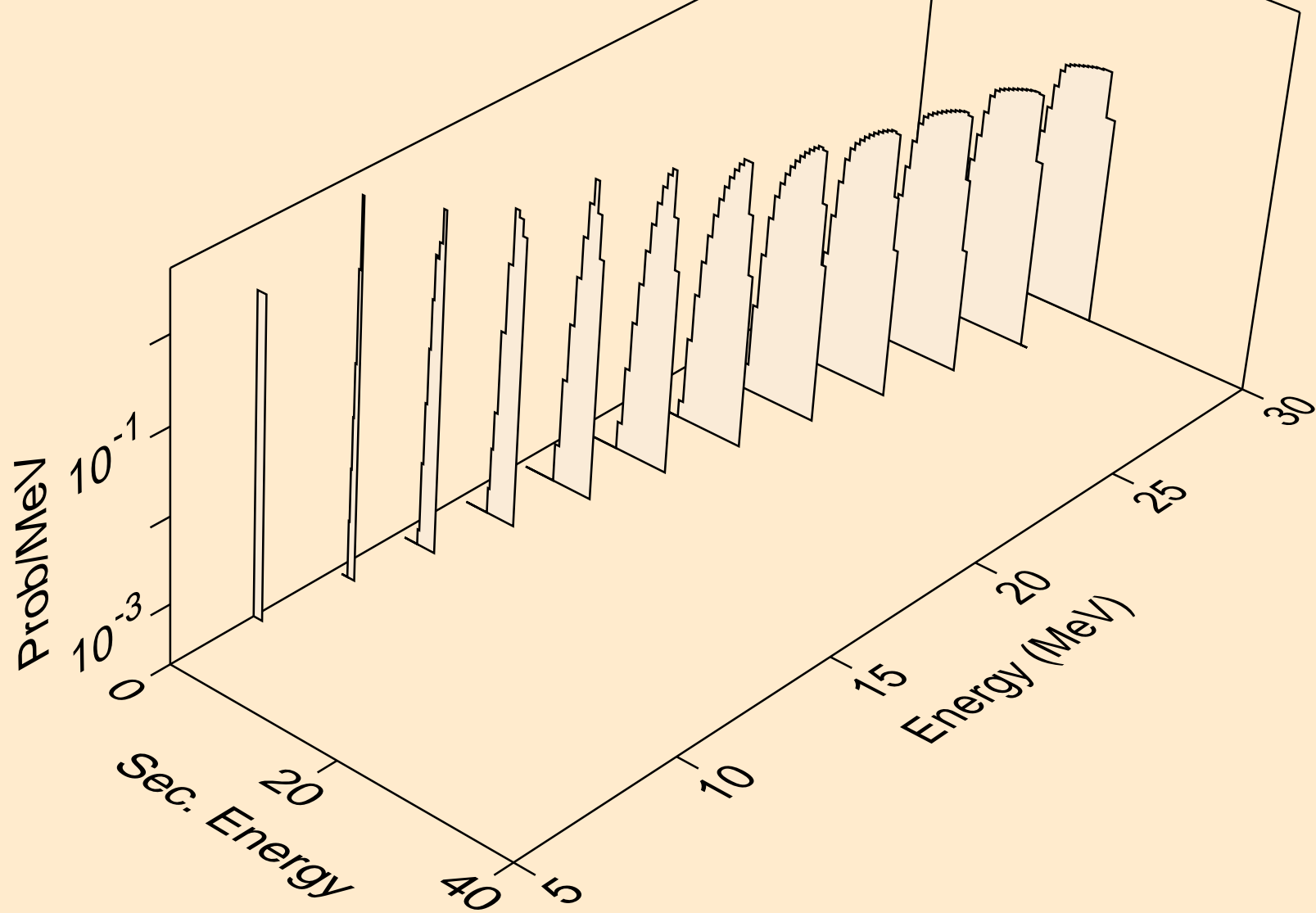
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,x)



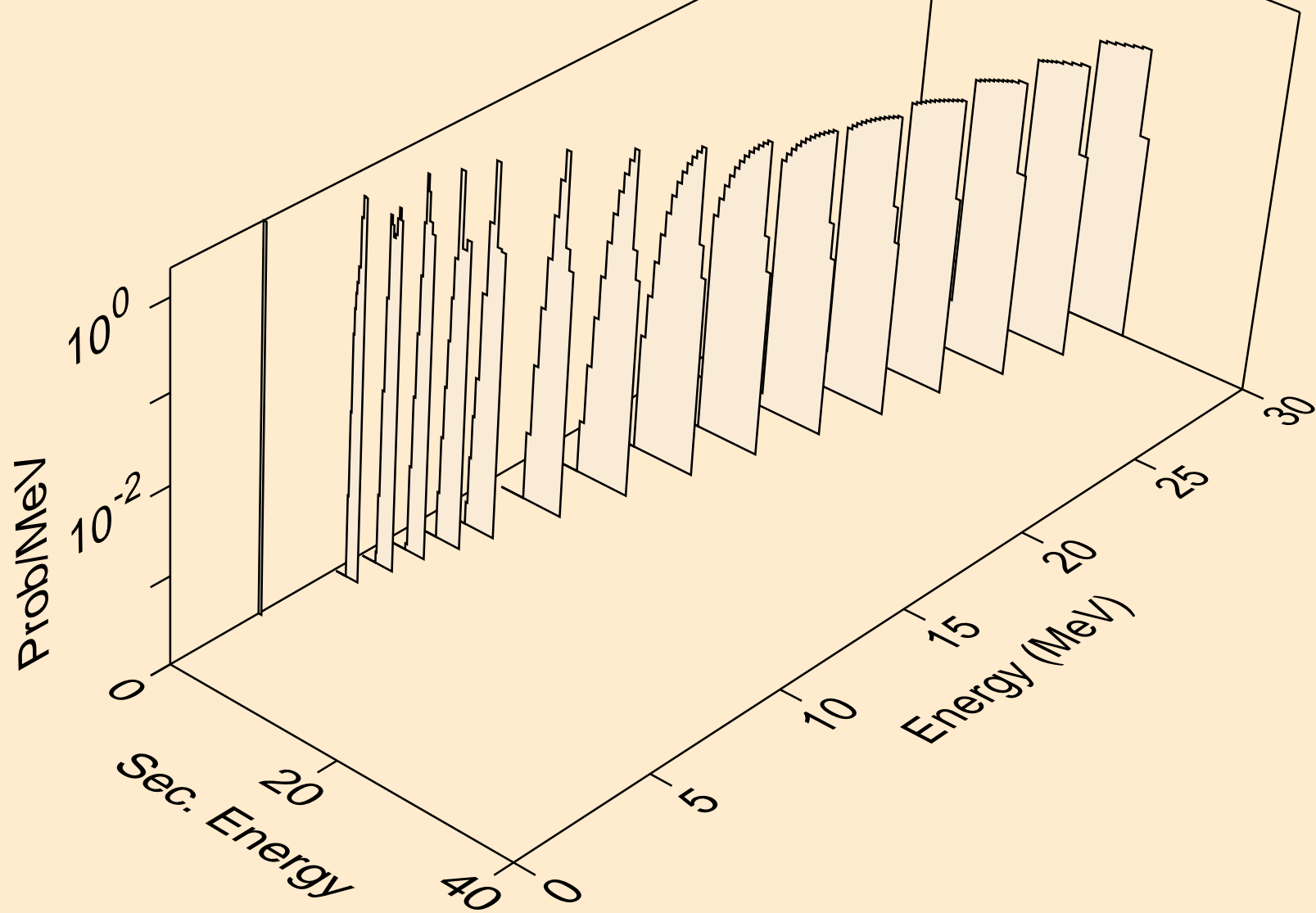
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deuterons from (p,2nd)



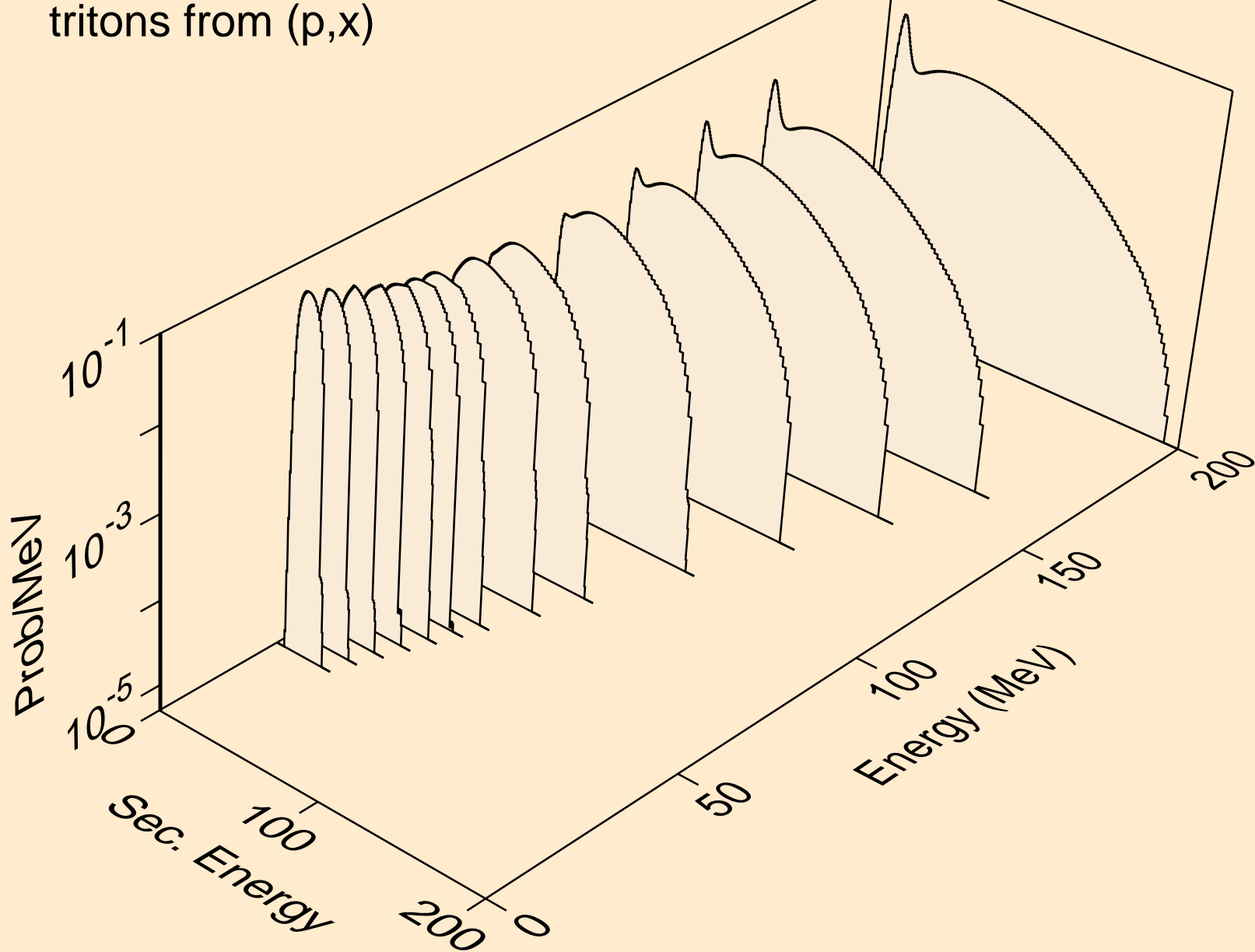
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,n\*)d



SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,d)

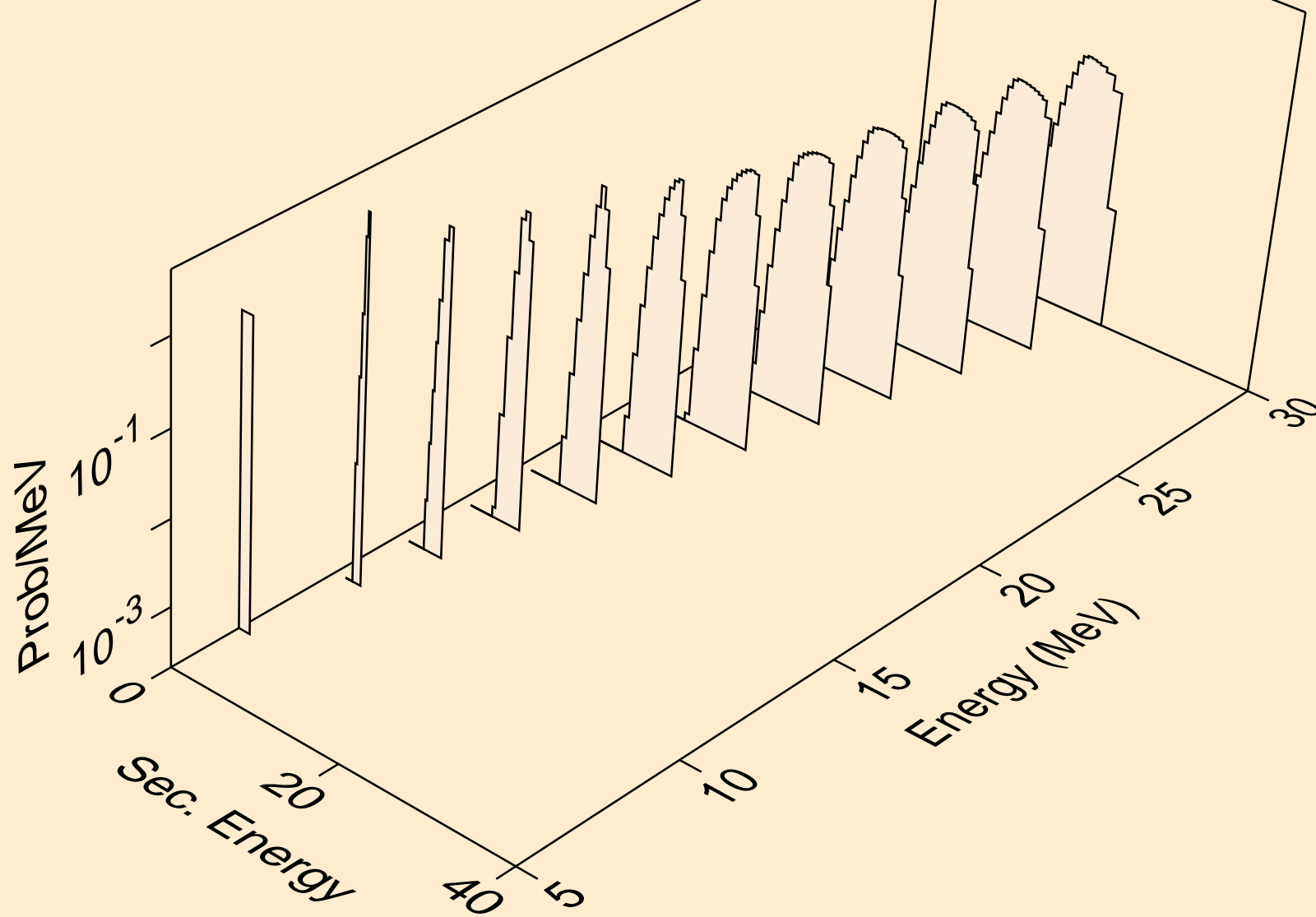


SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)

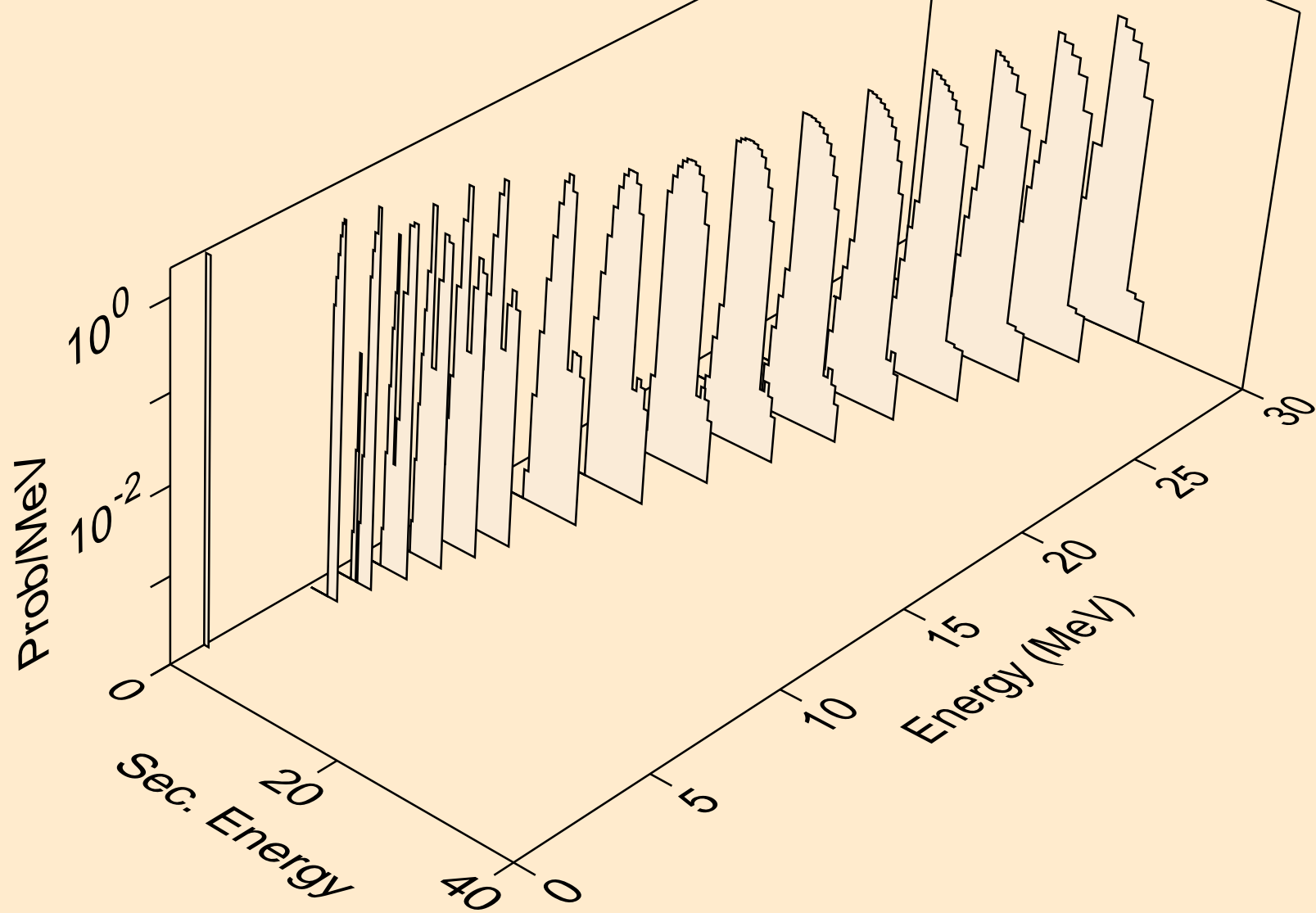




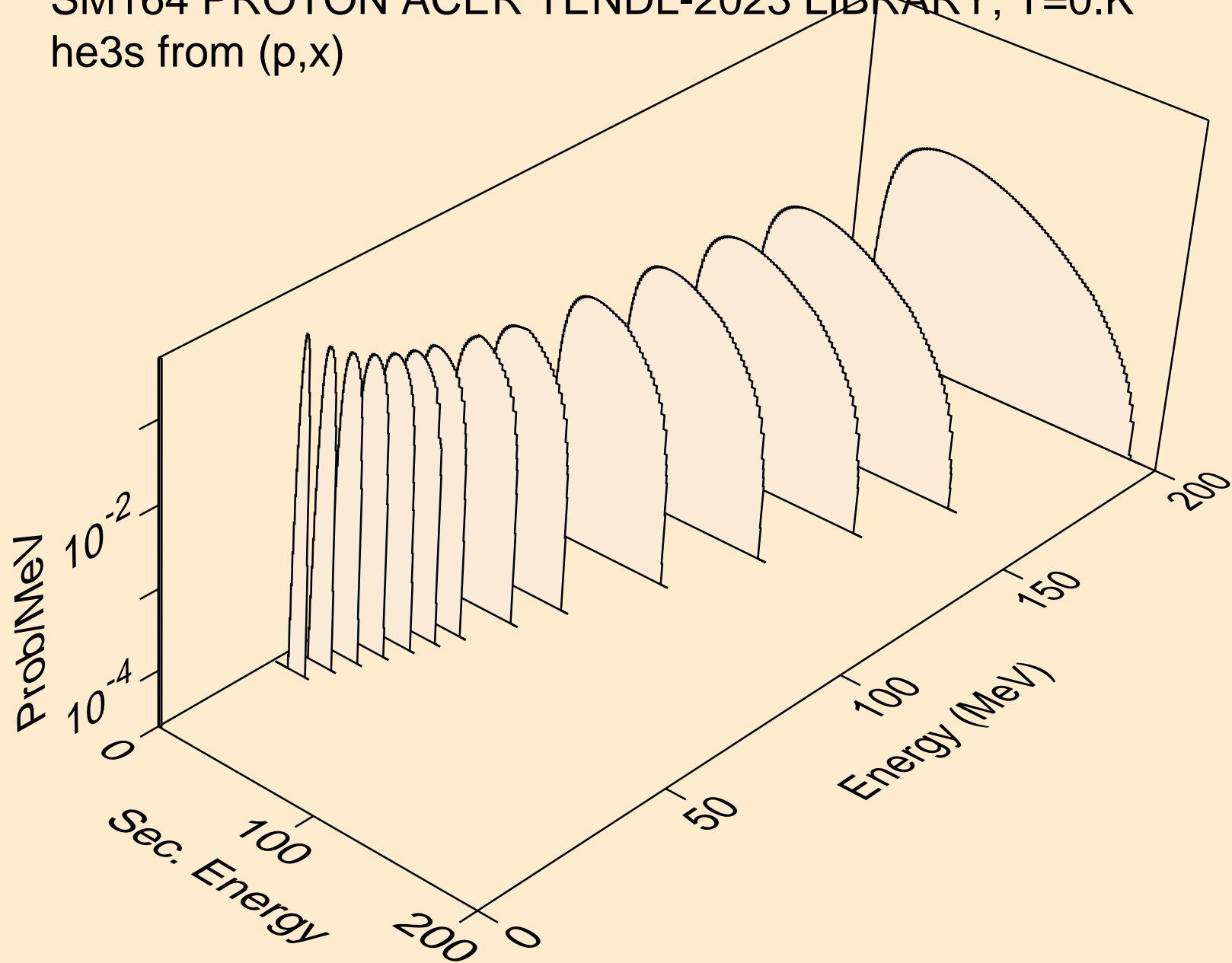
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,n\*)t



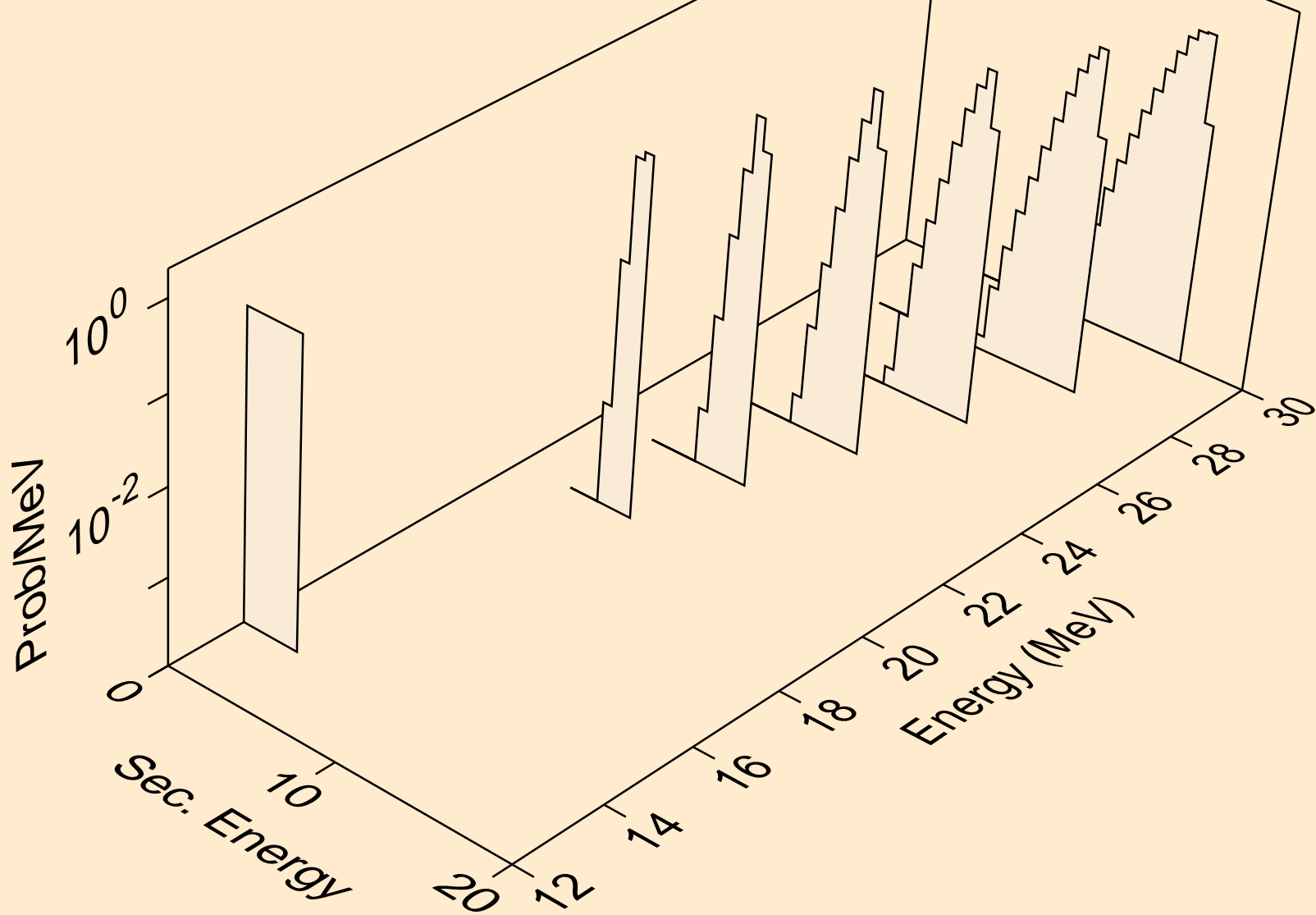
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,t)



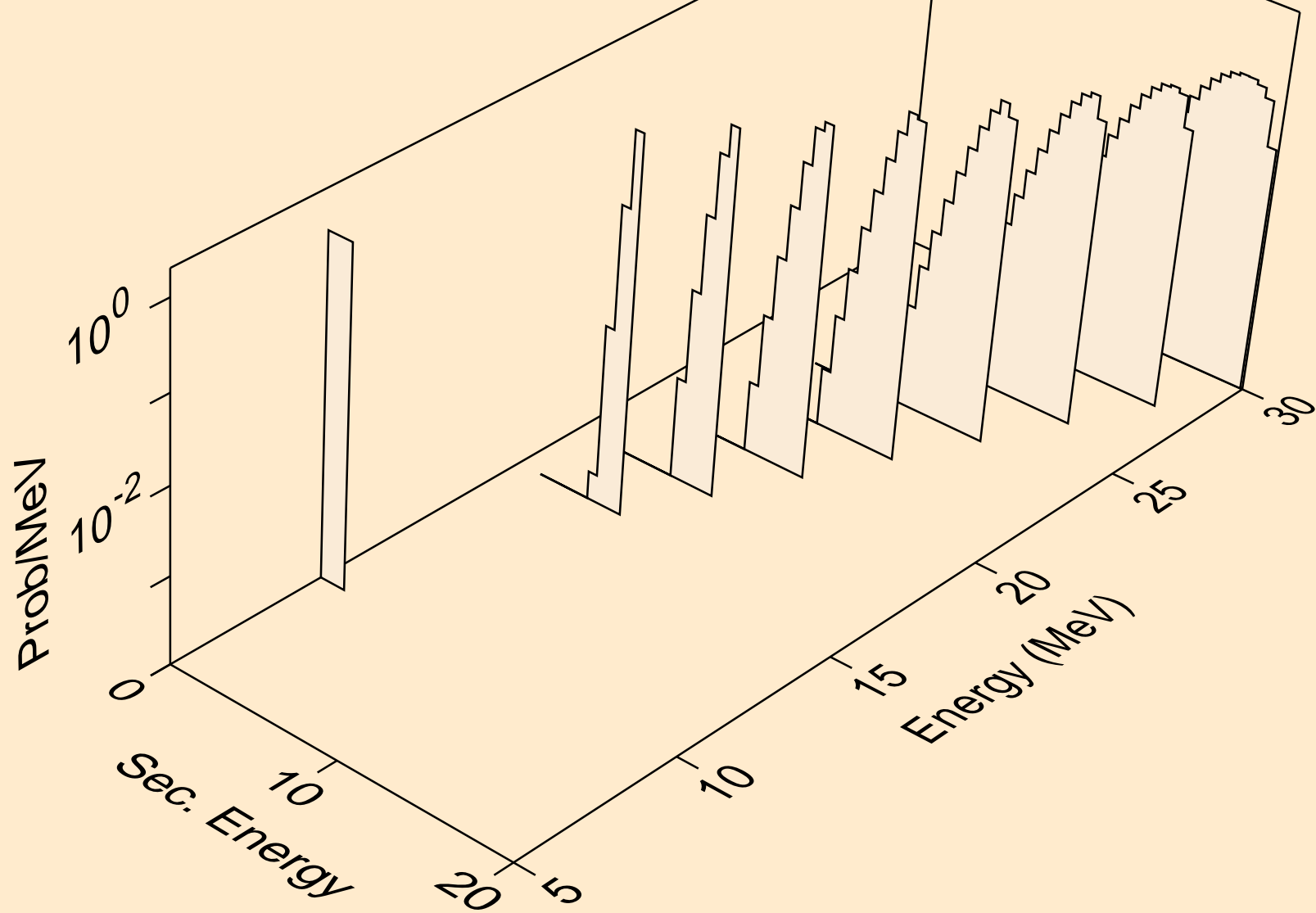
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)



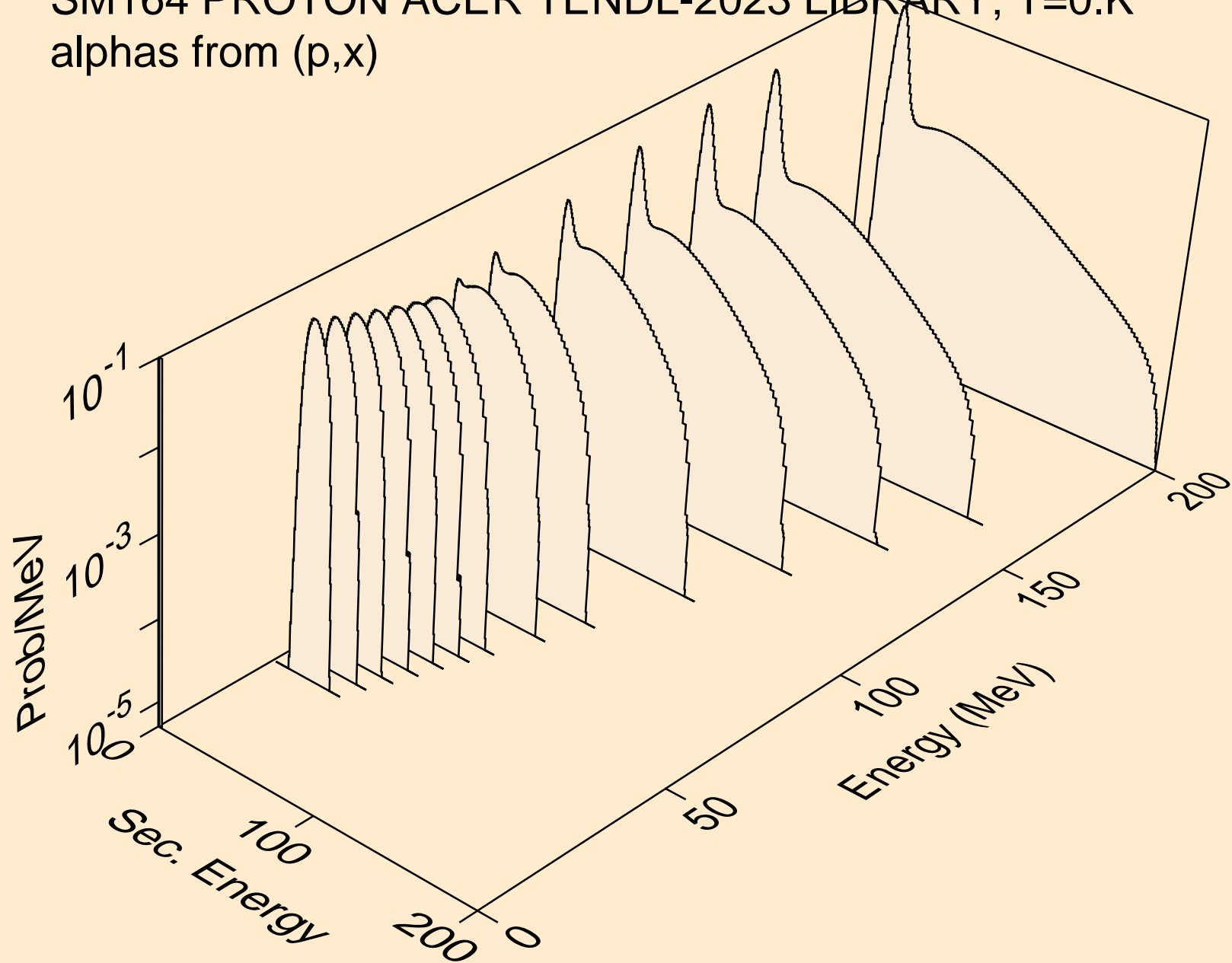
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3



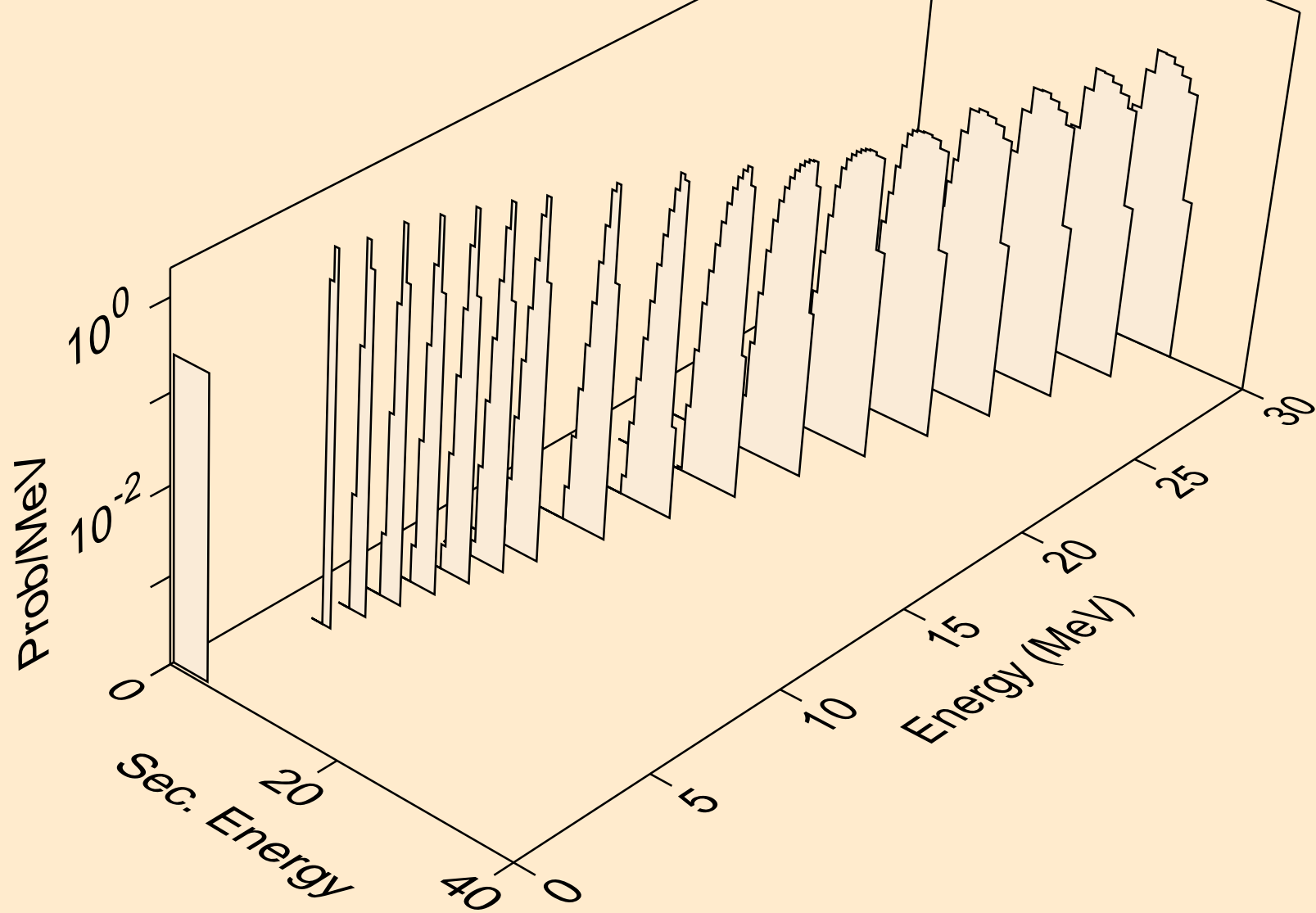
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,he3)



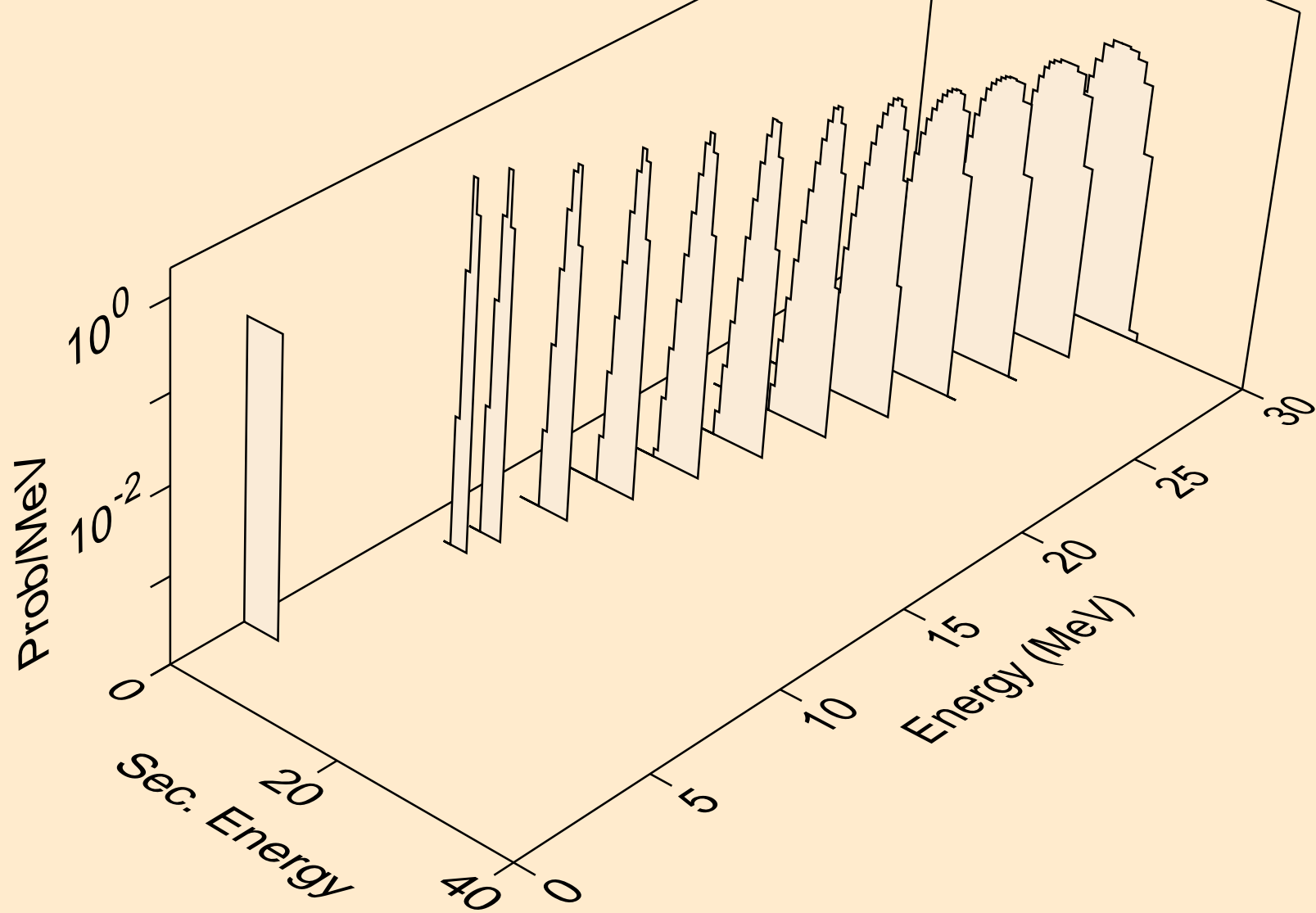
SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)



SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a

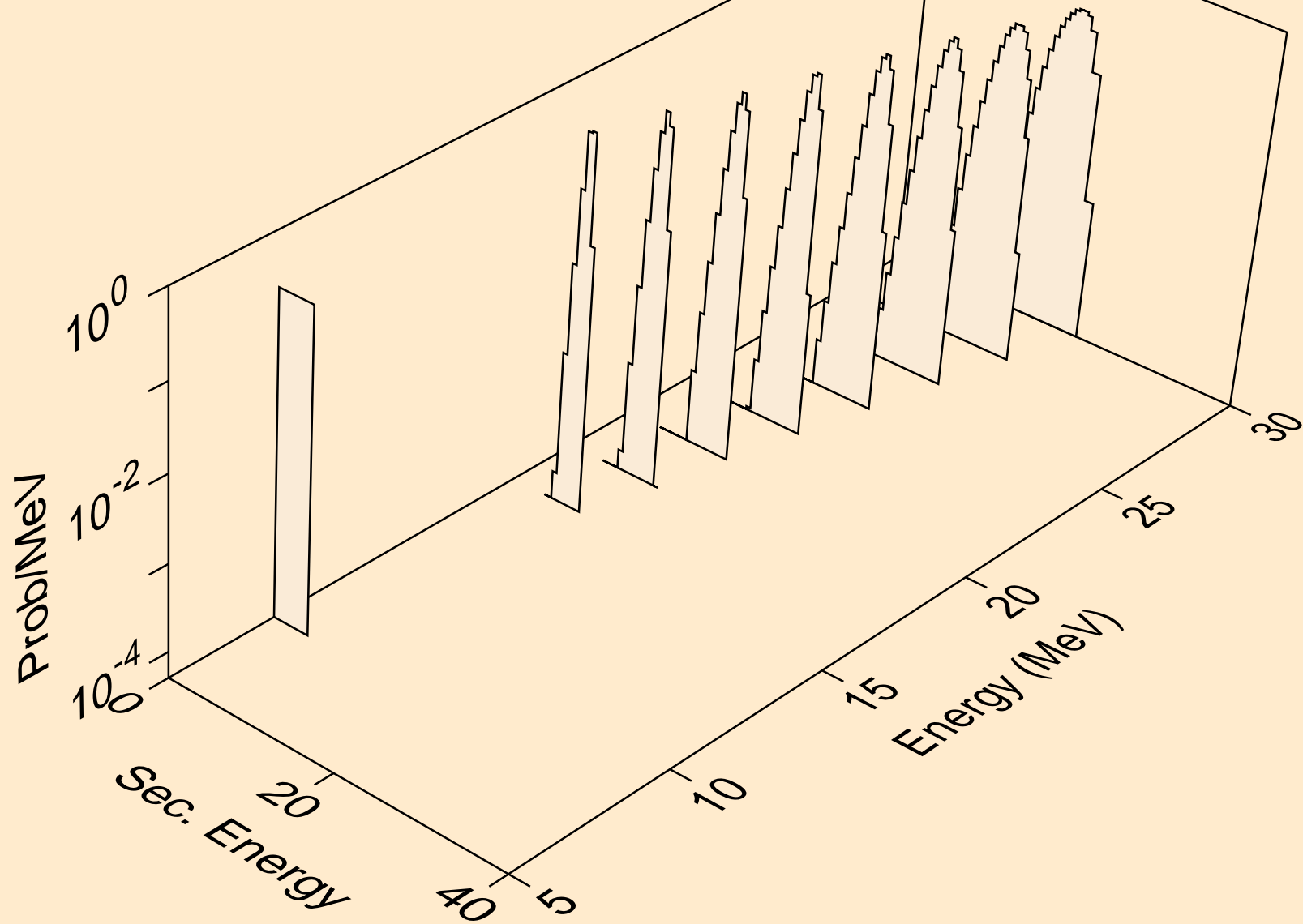


SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)a





SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3n)a



SM164 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)

