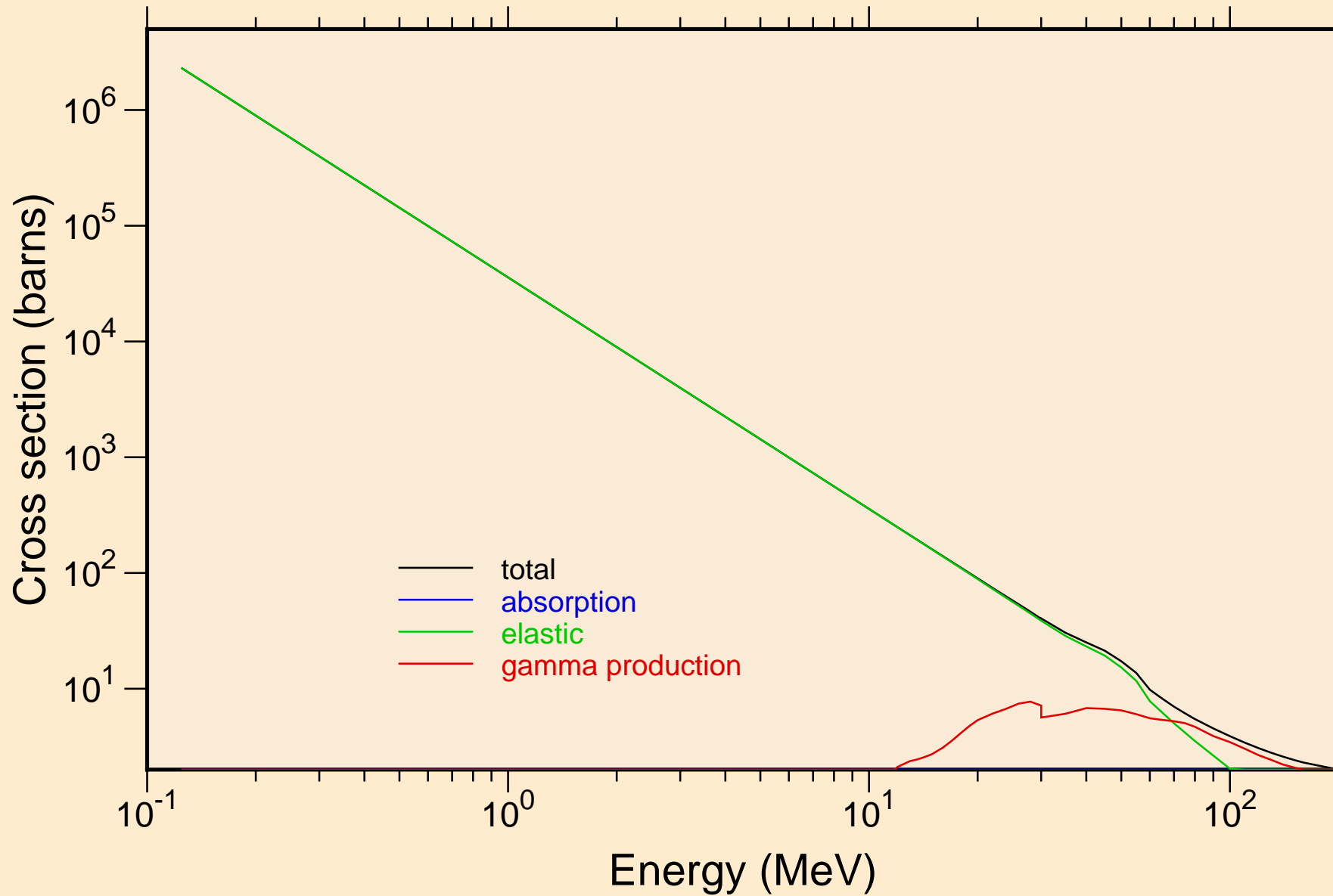
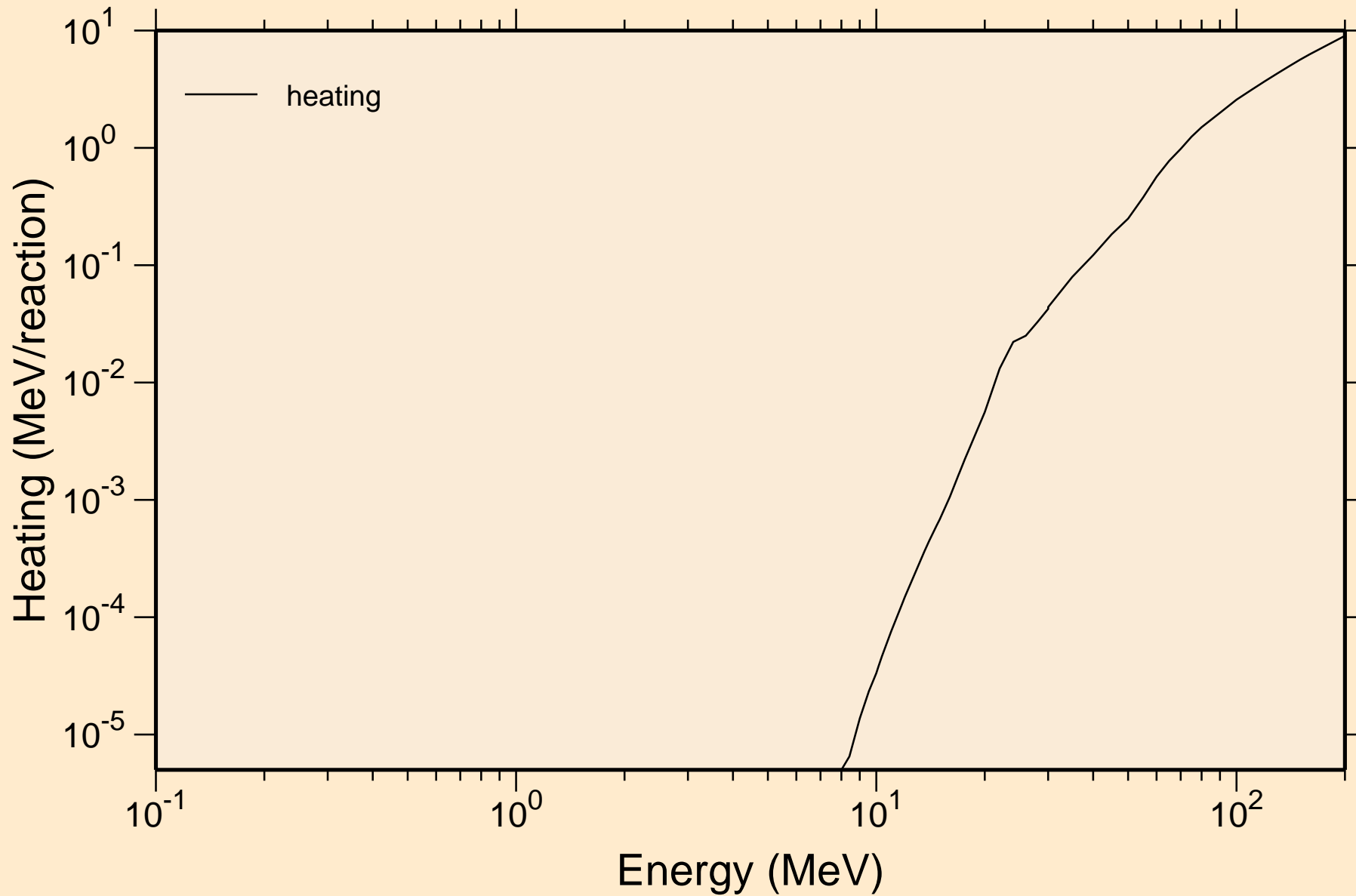


OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Principal cross sections



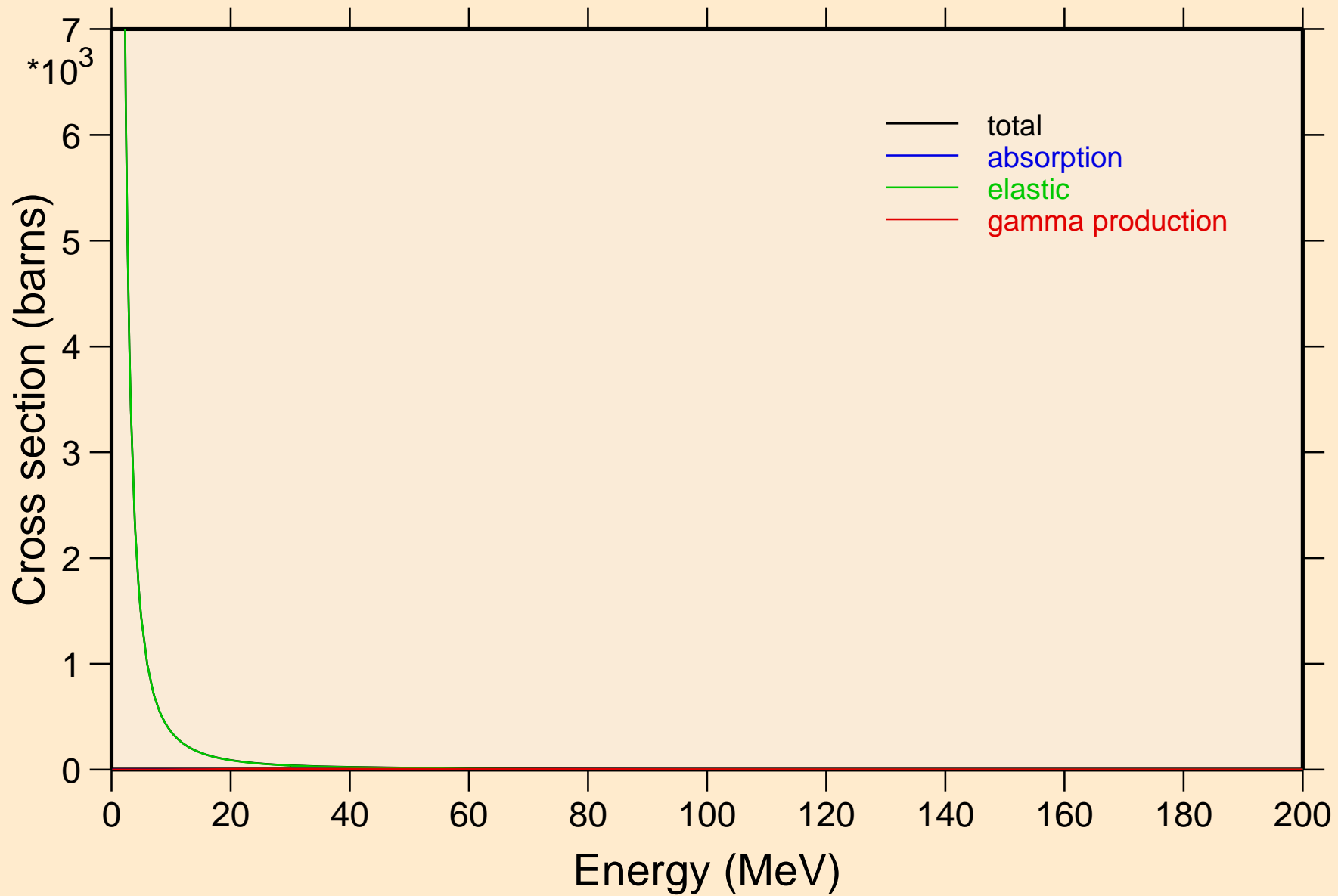
# OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Heating



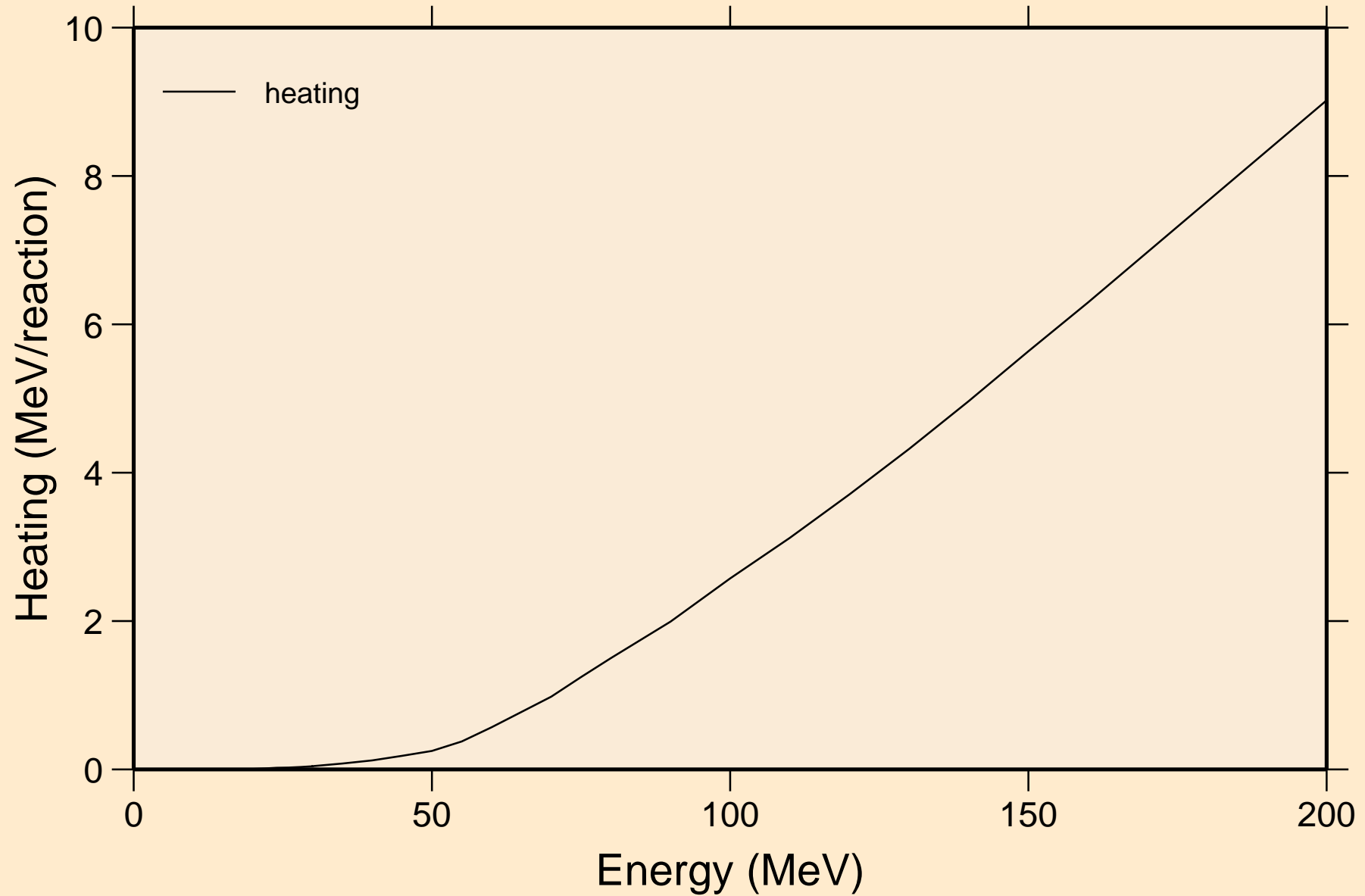
# OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections

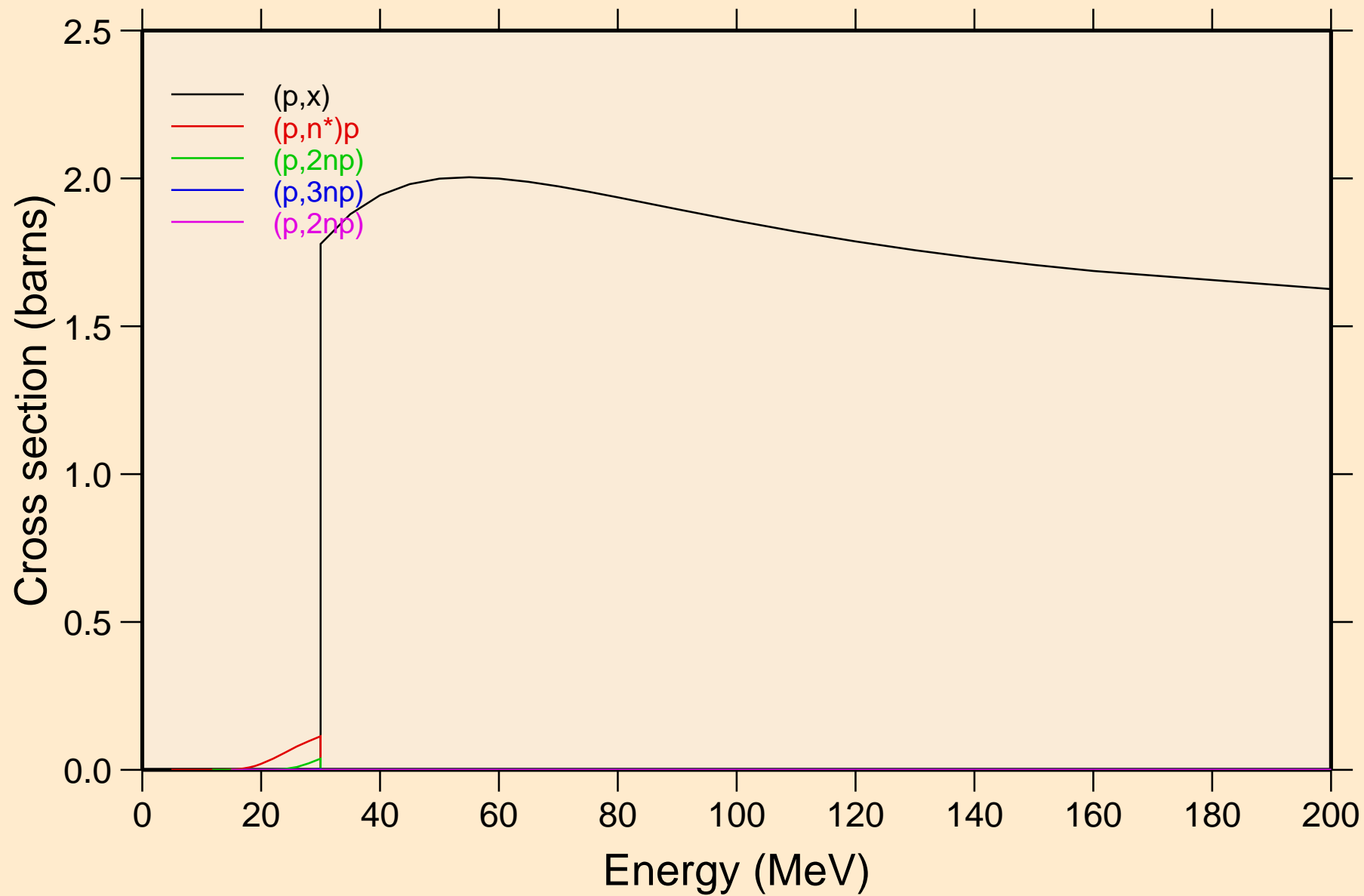


# OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Heating

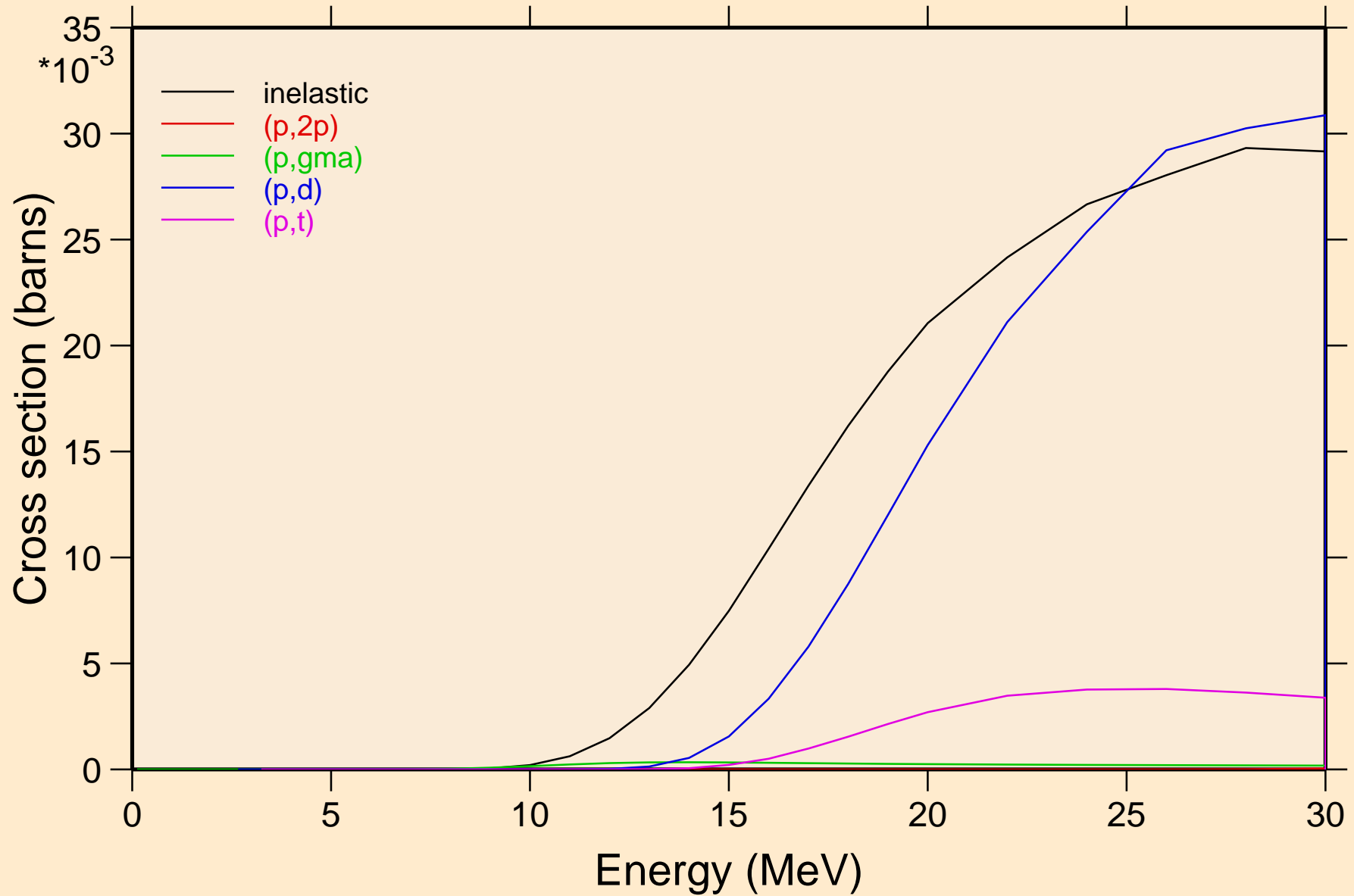


OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

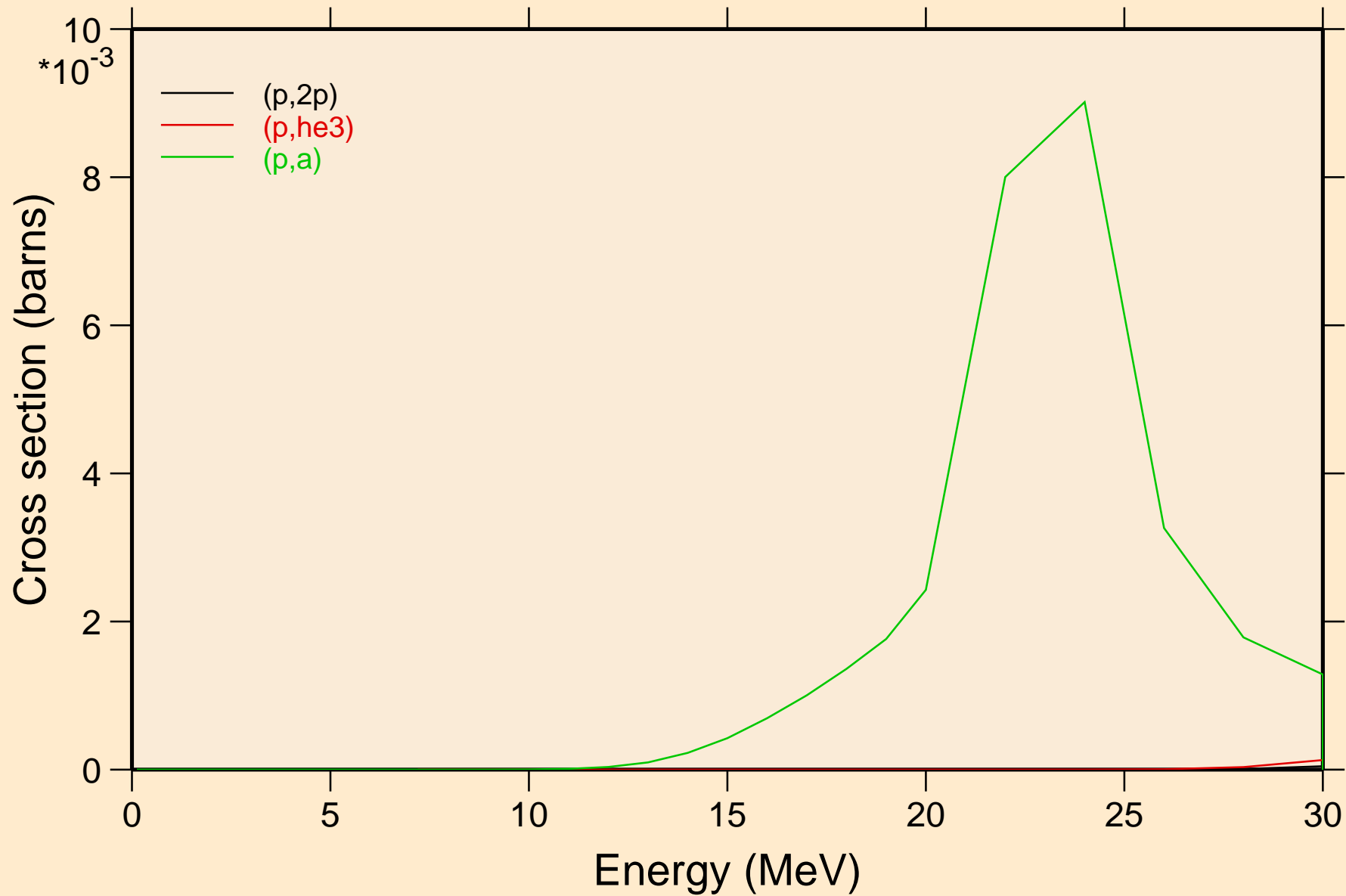


# OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K

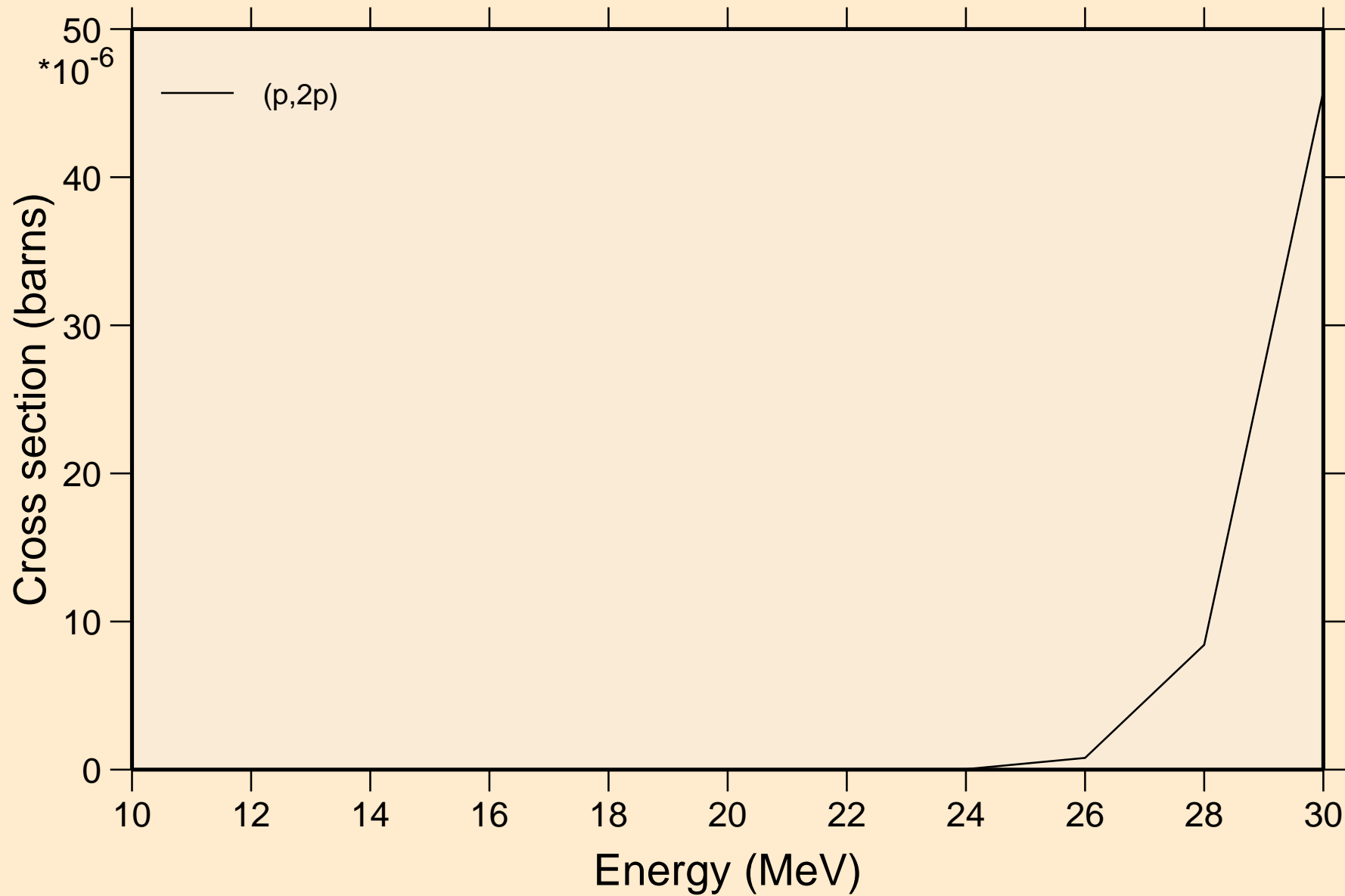
## Threshold reactions



OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

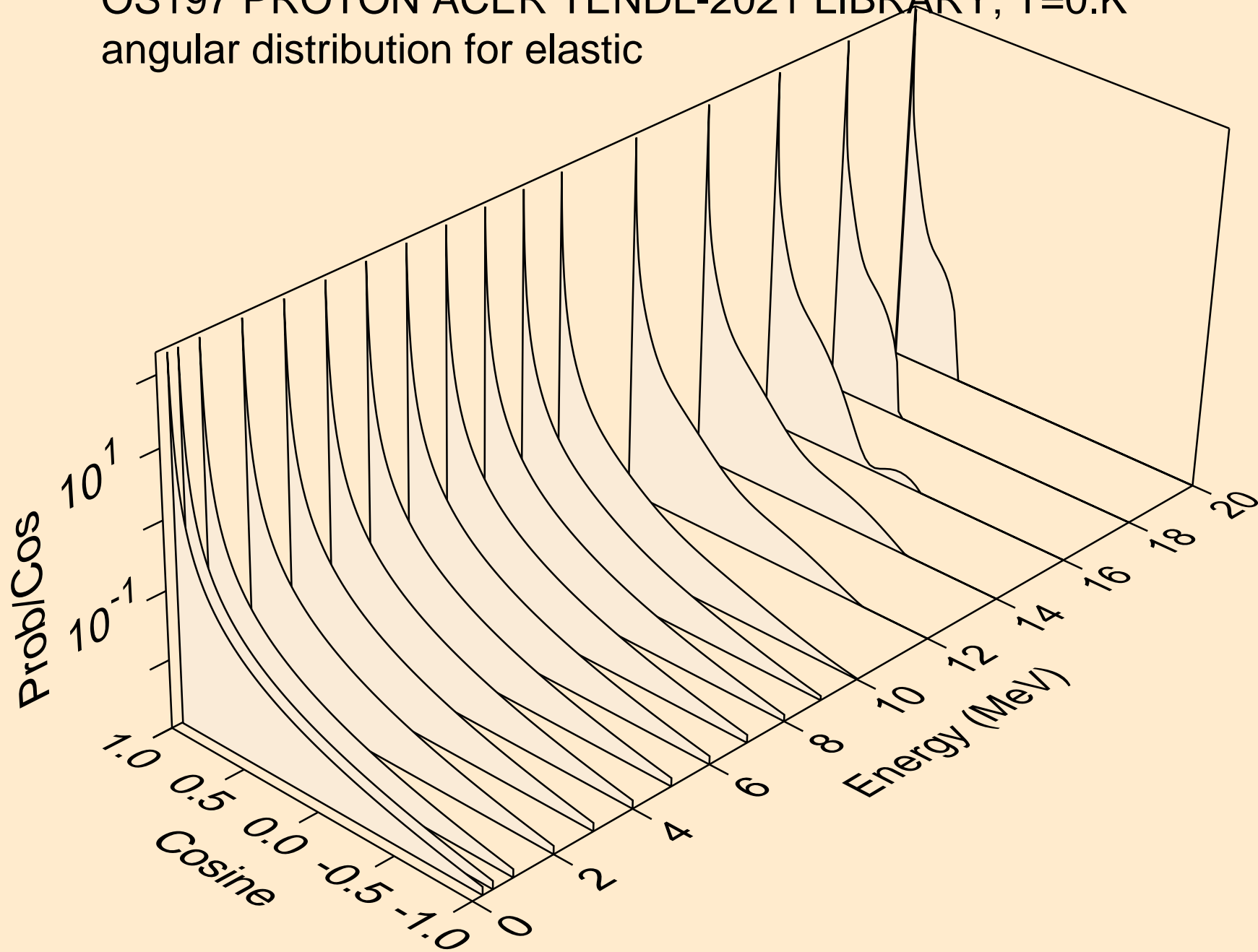


OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

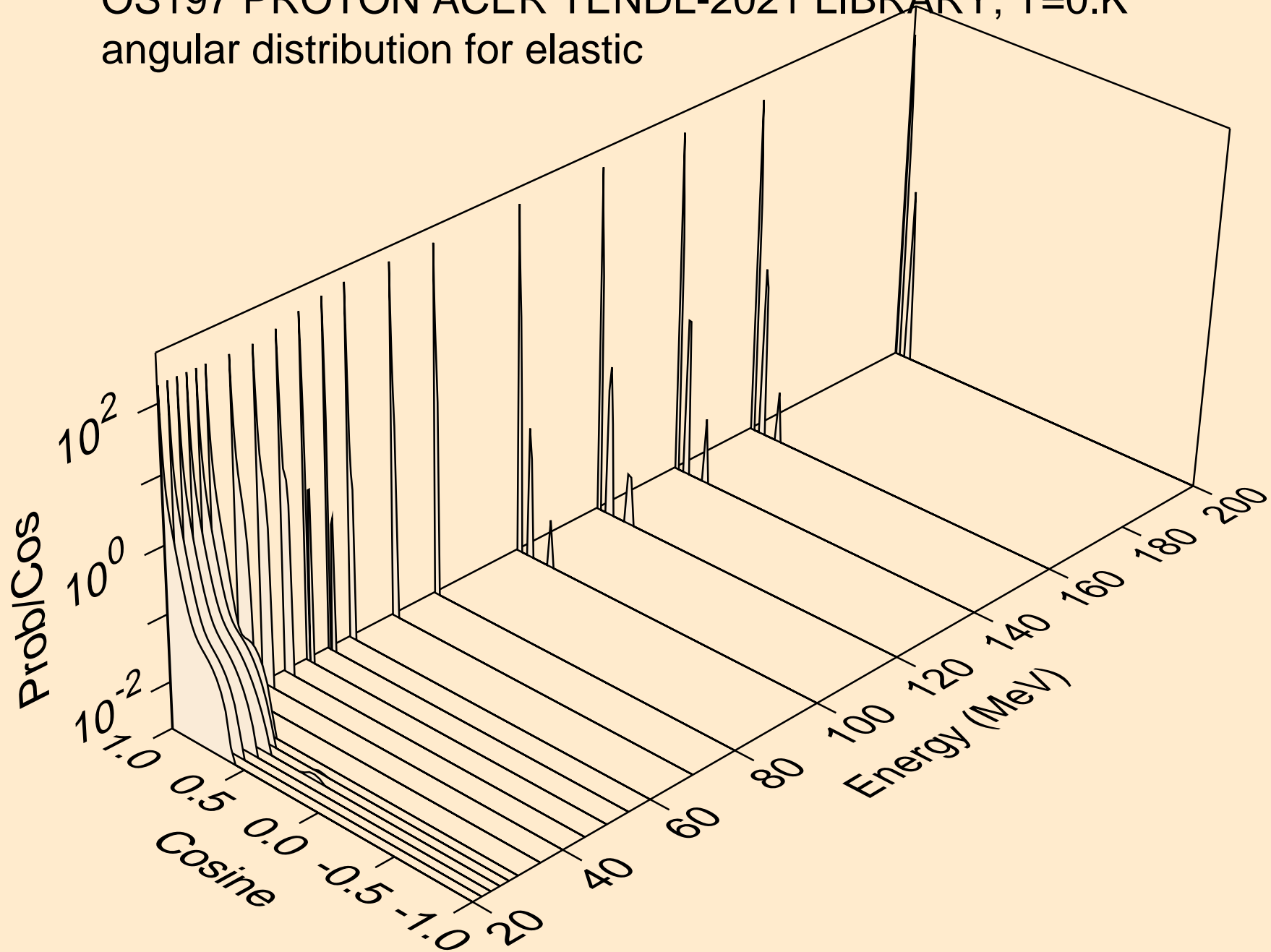




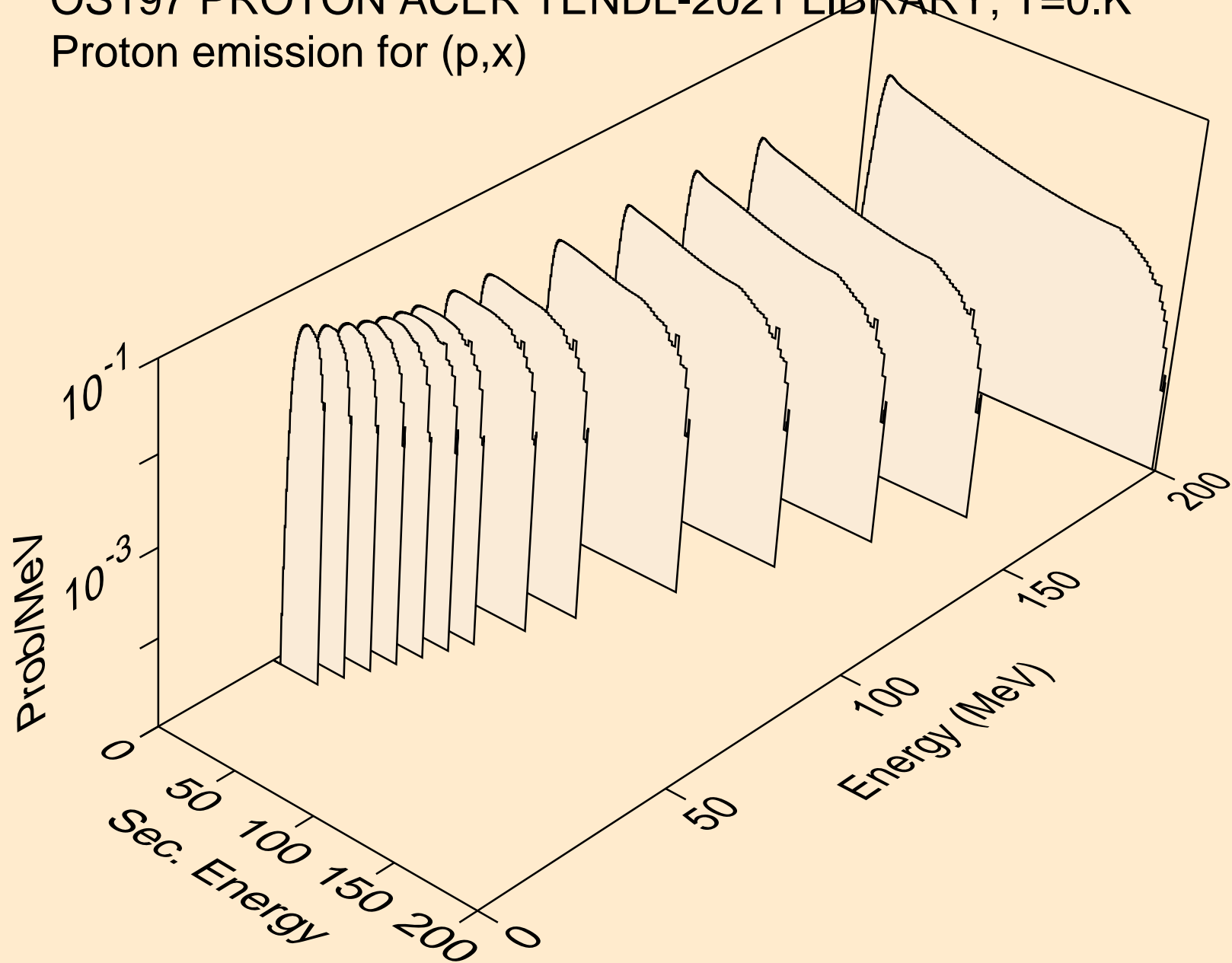
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



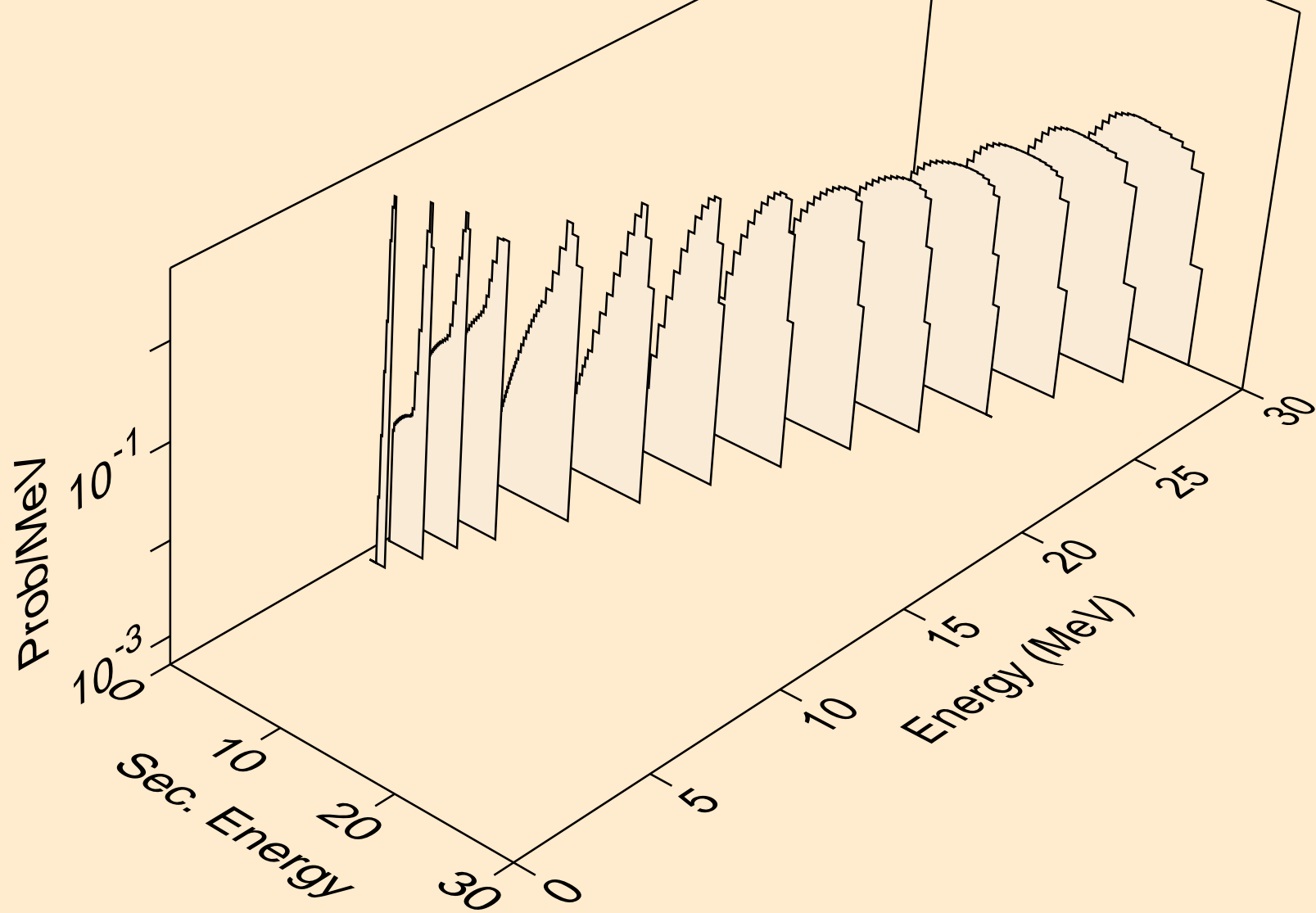
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



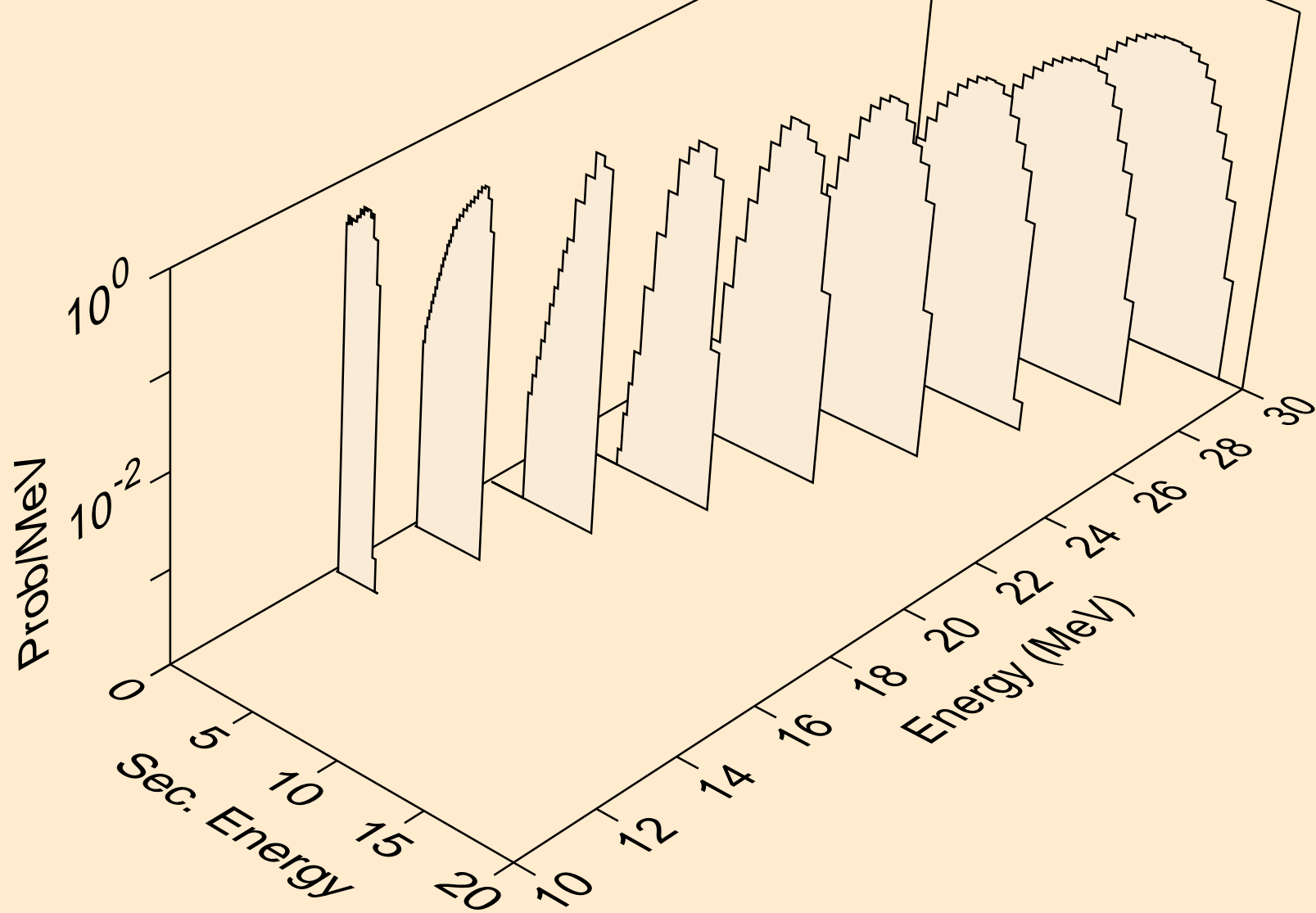
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,x)



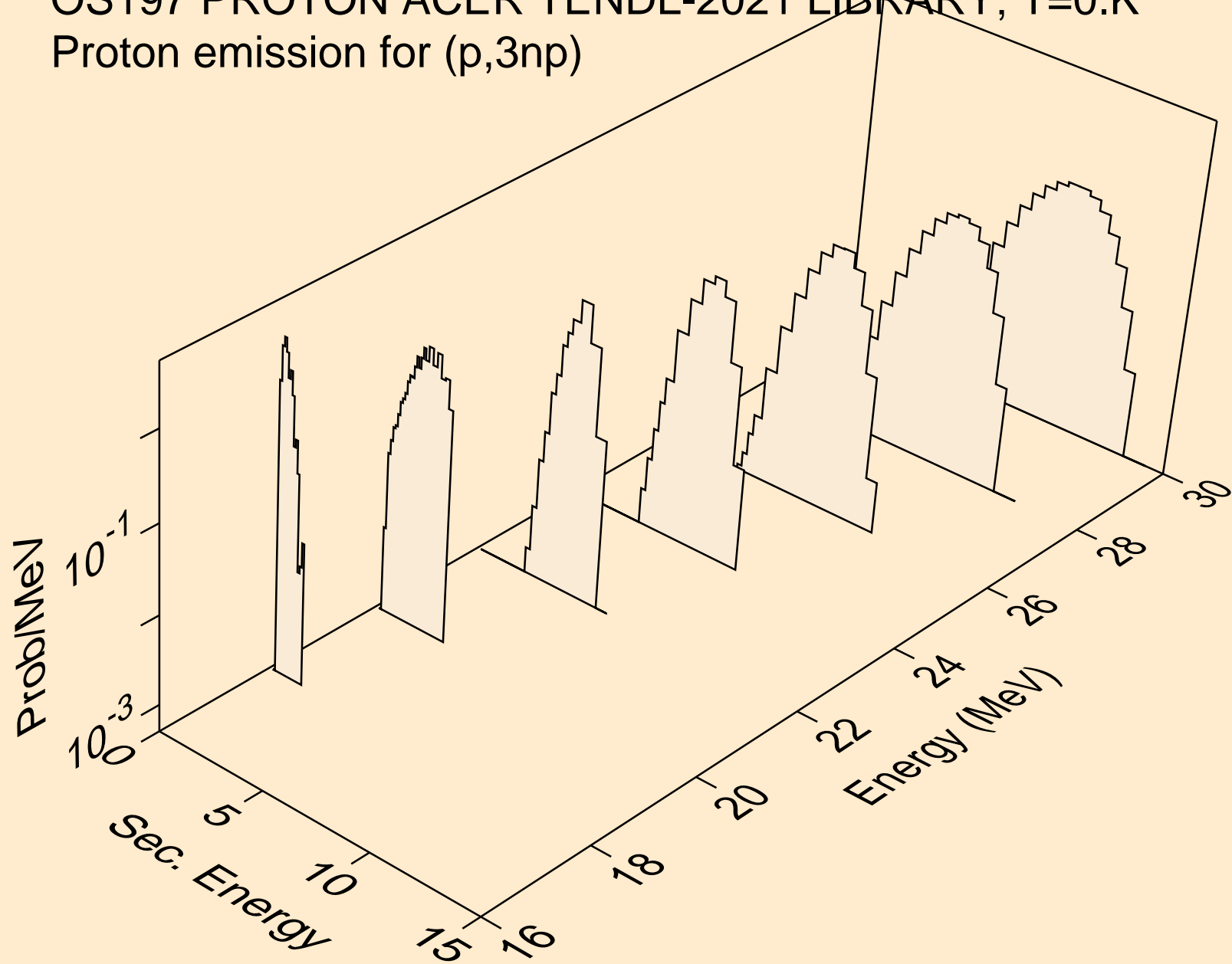
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



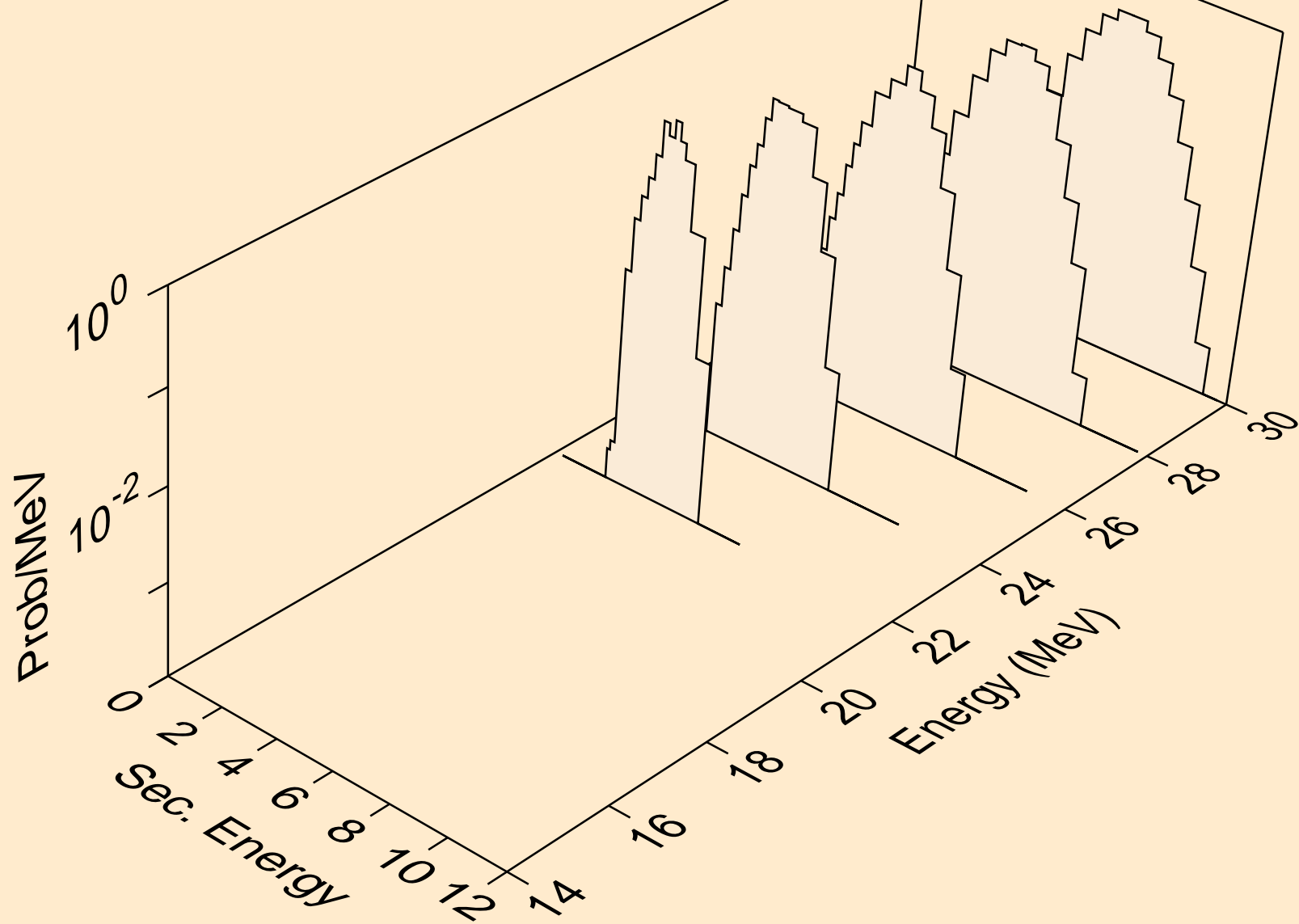
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



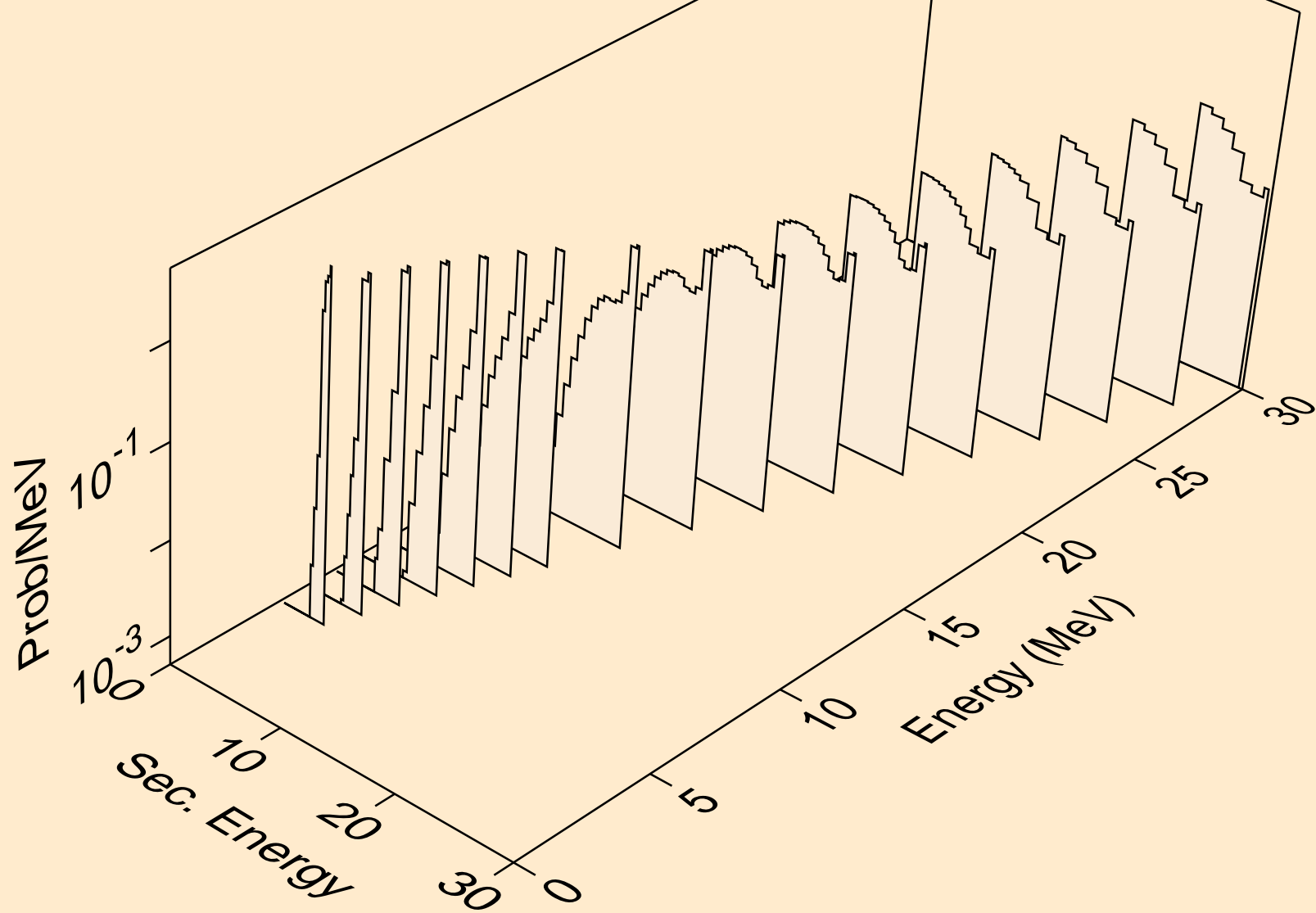
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,3np)



OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)

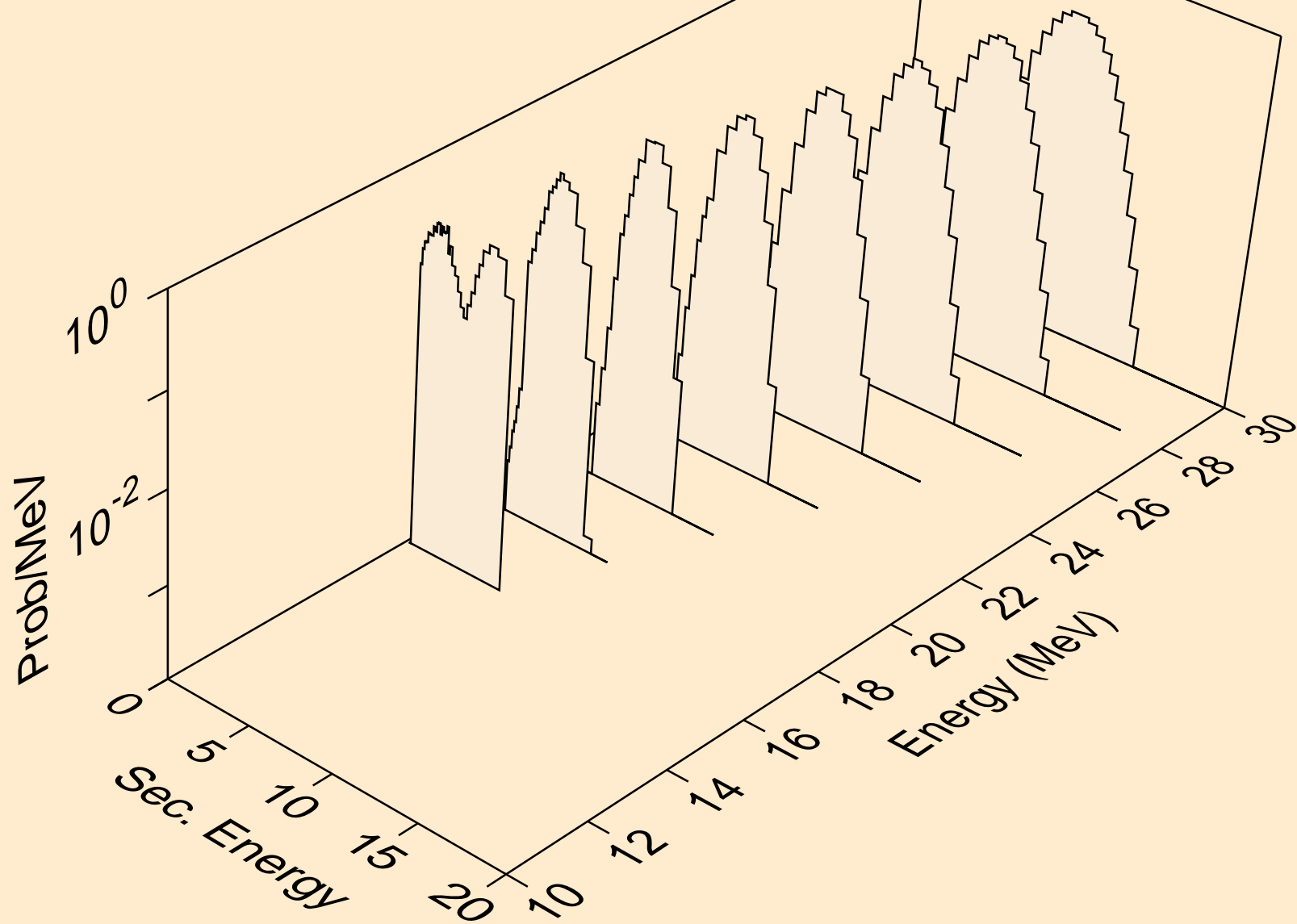


OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for inelastic

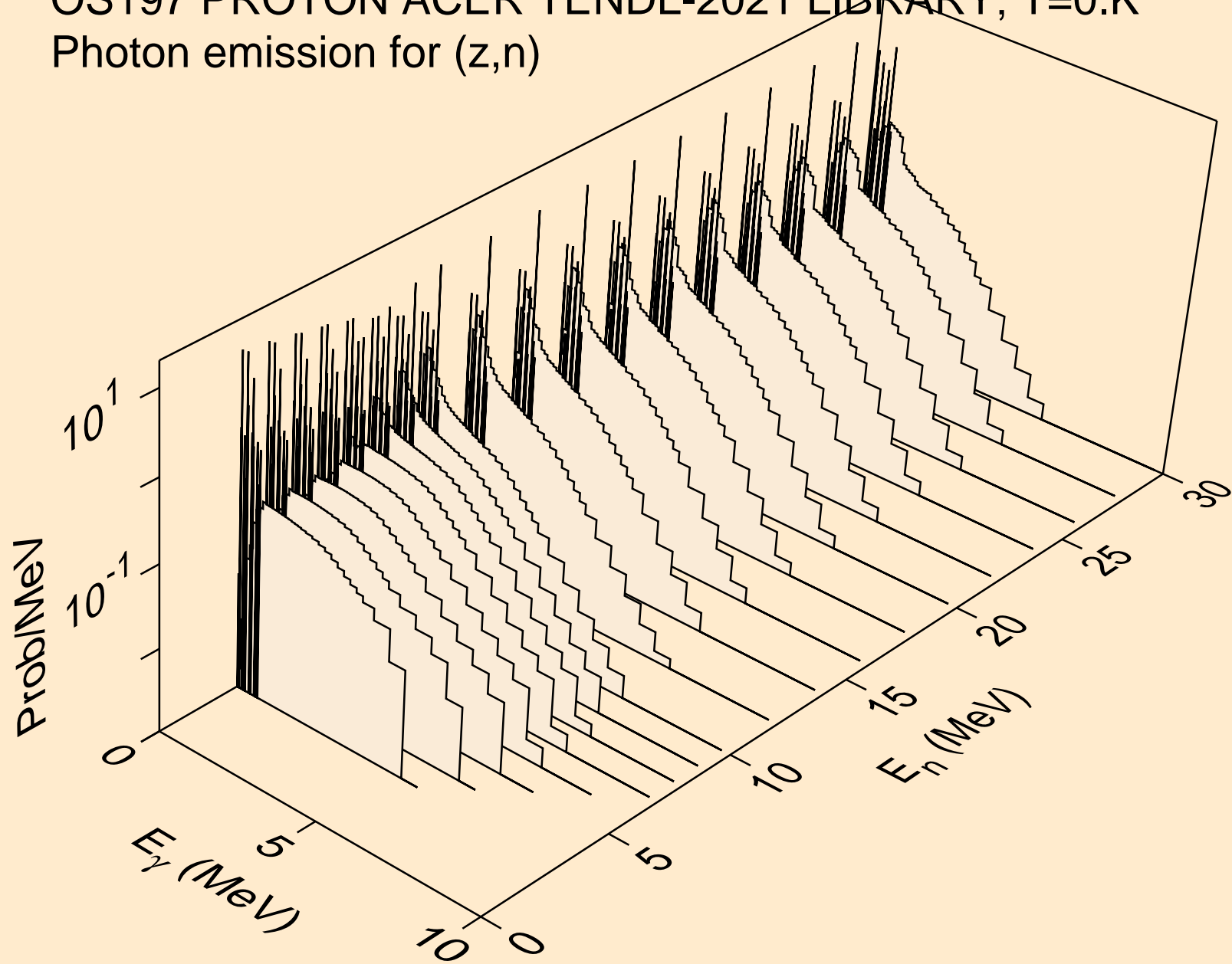




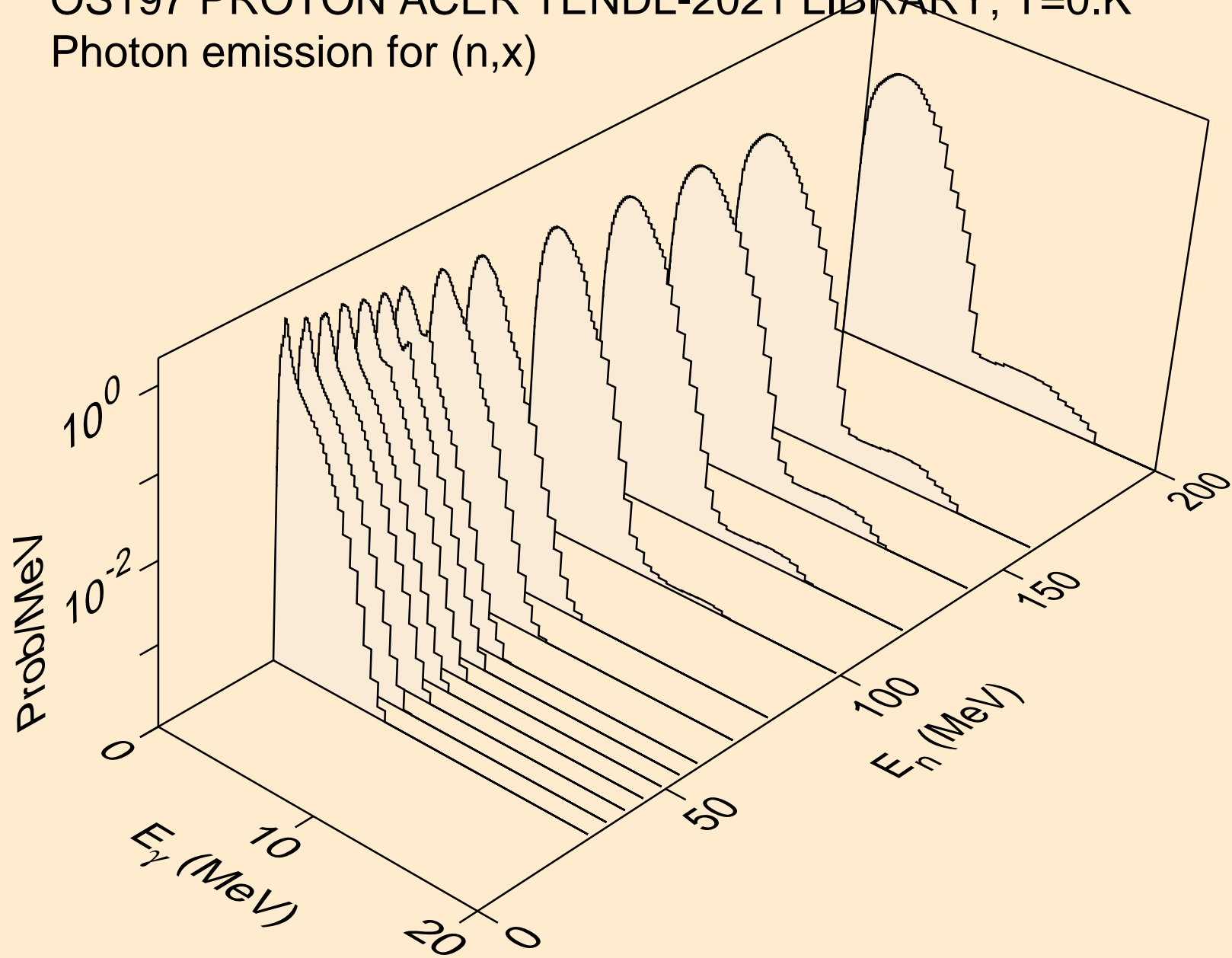
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2p)



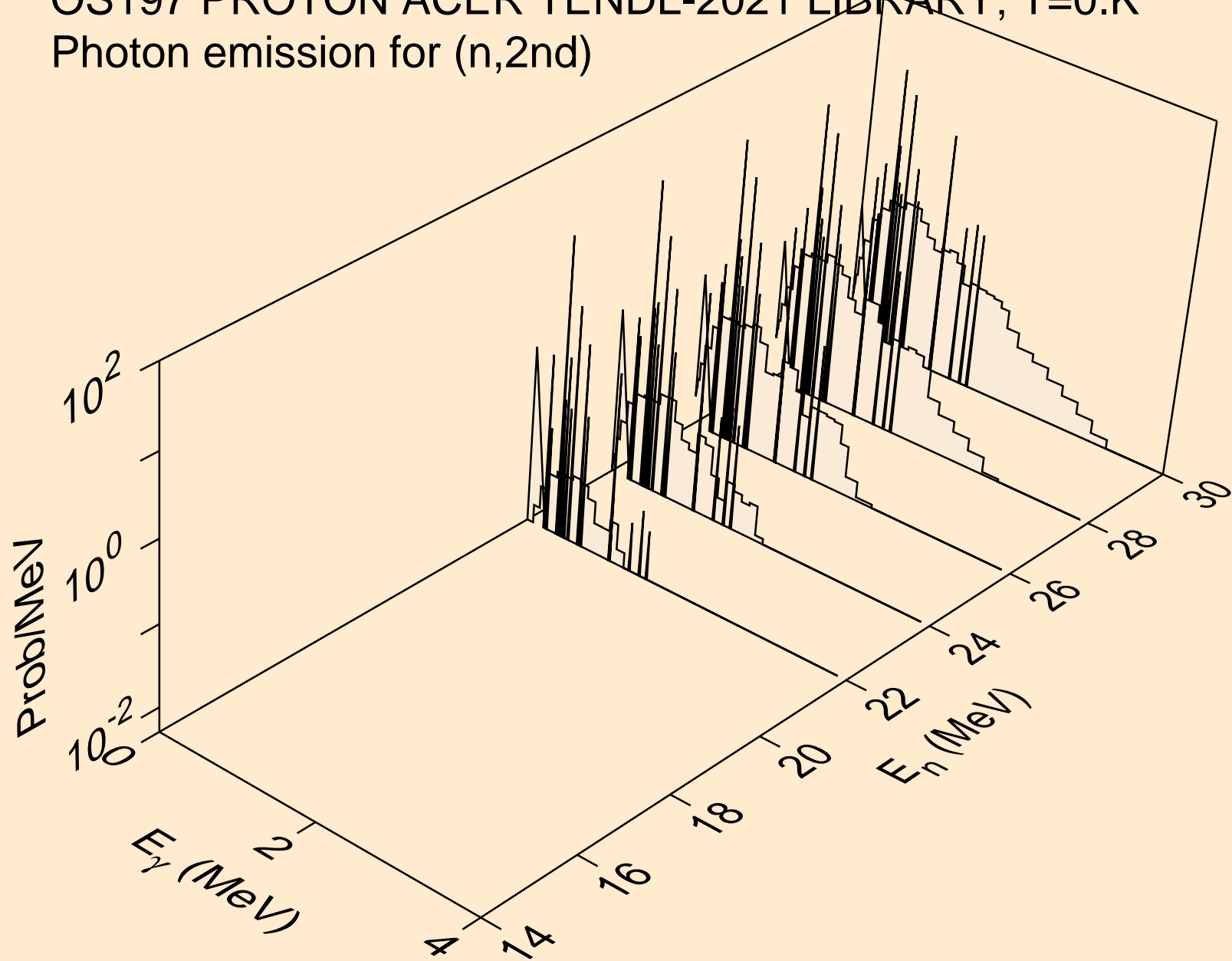
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



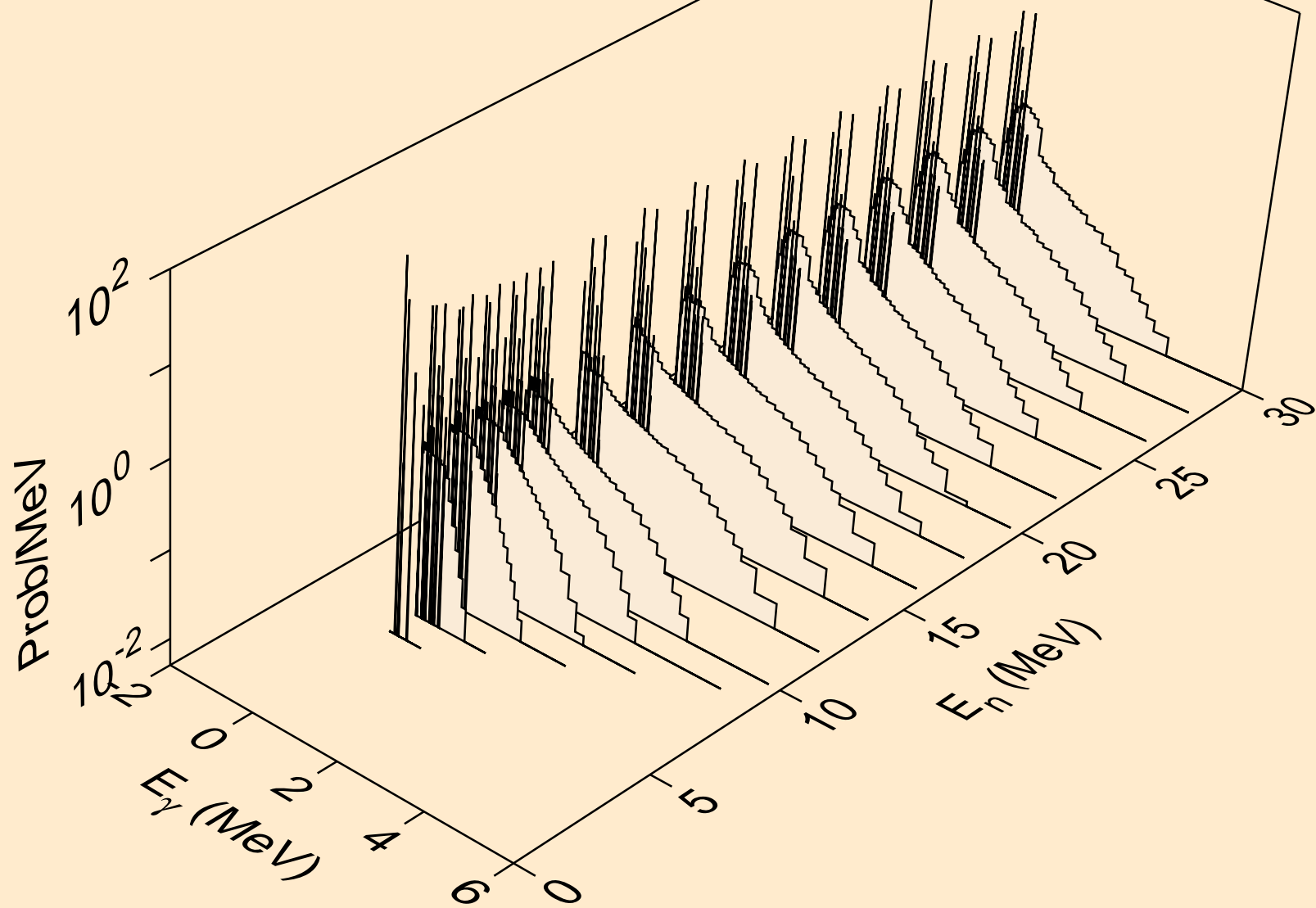
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



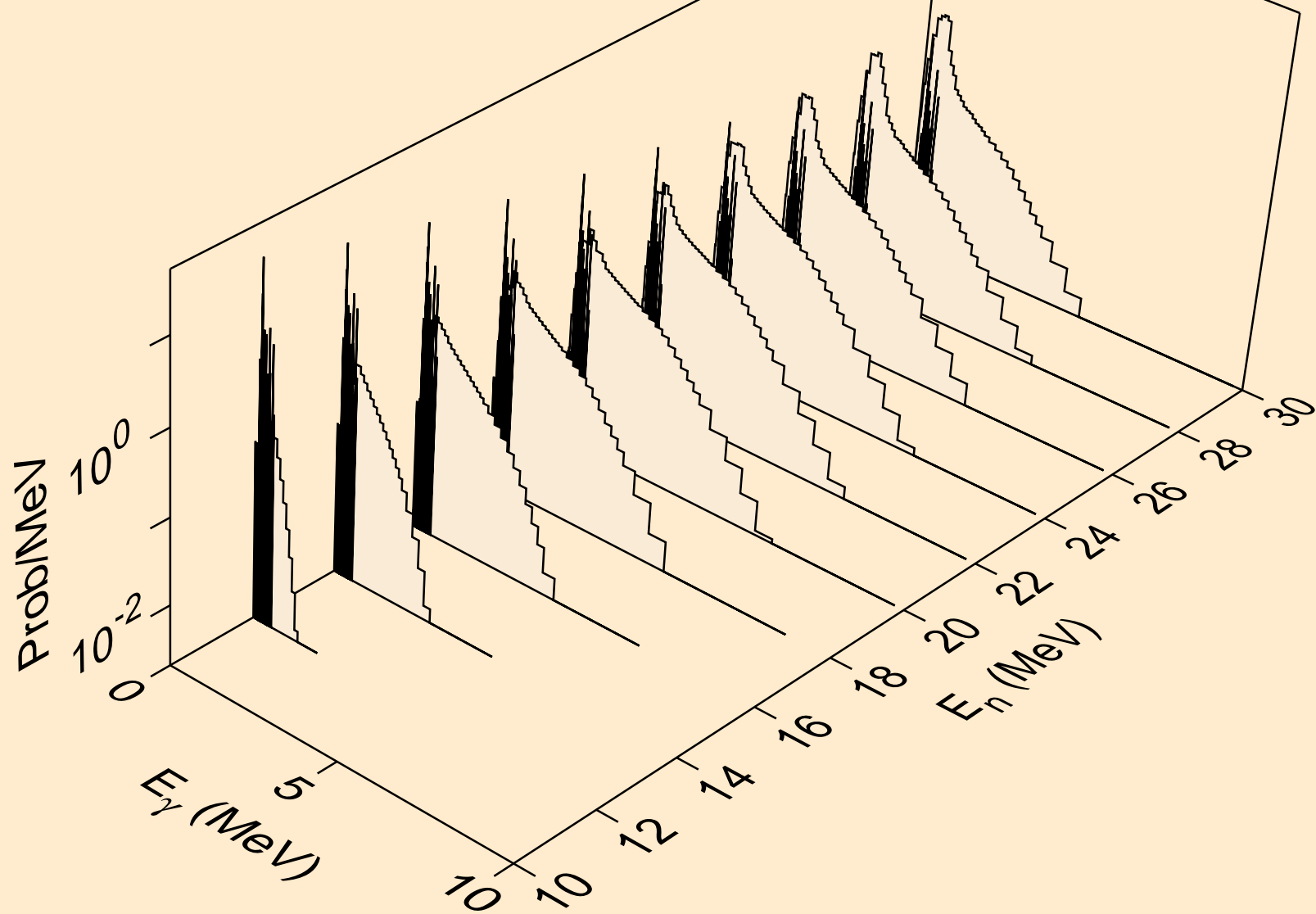
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)



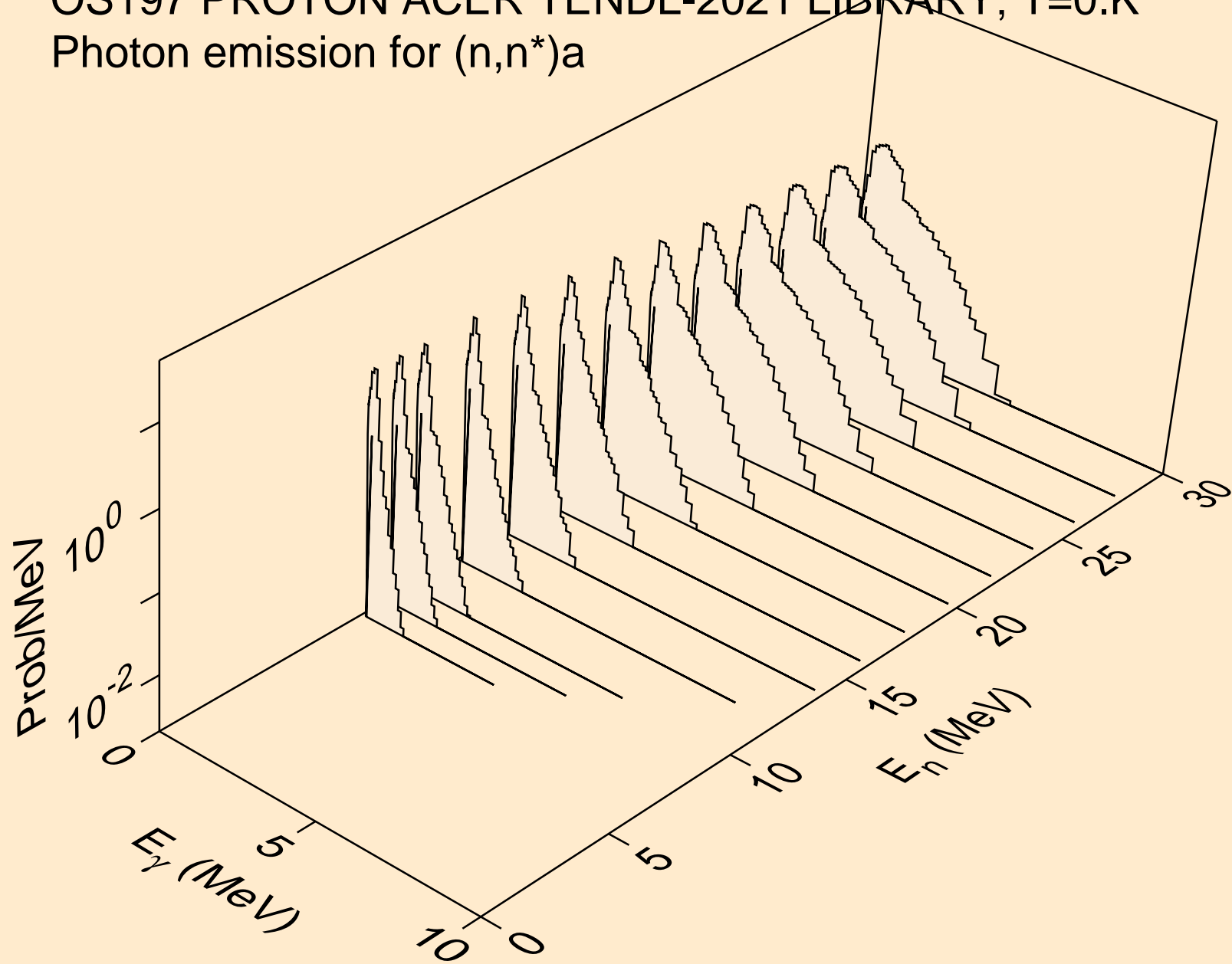
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)



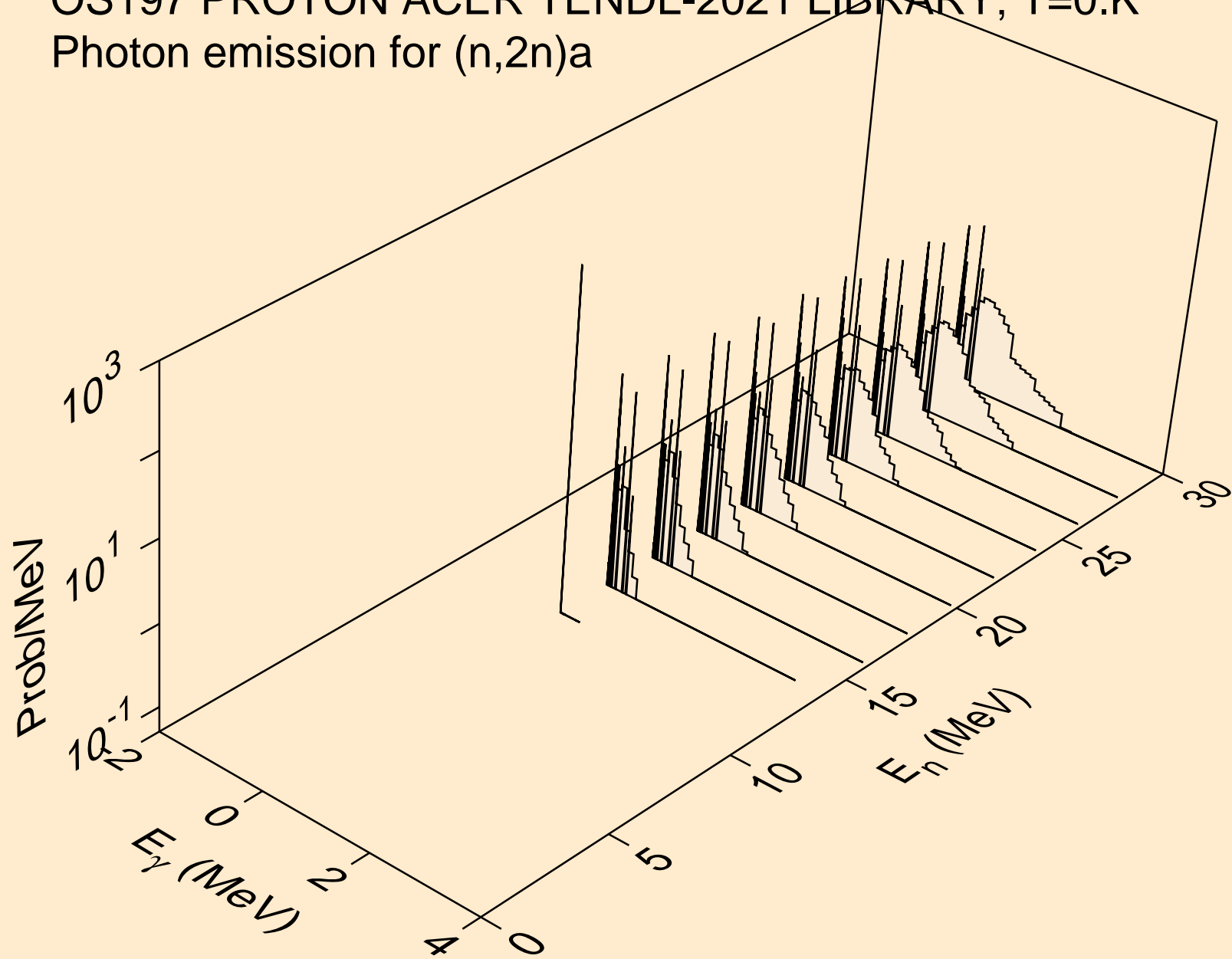
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,3n)



OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

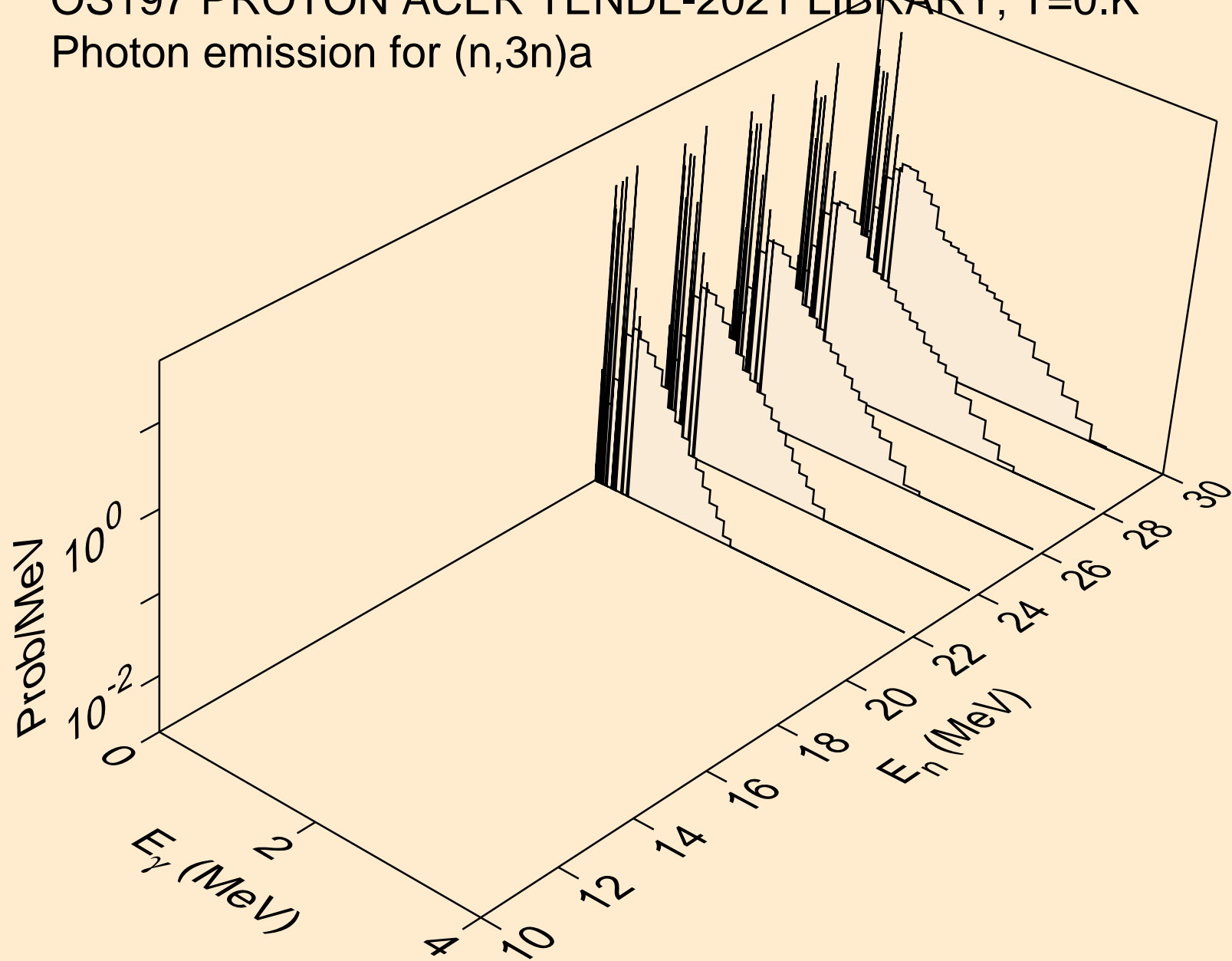


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Photon emission for (n,2n)a

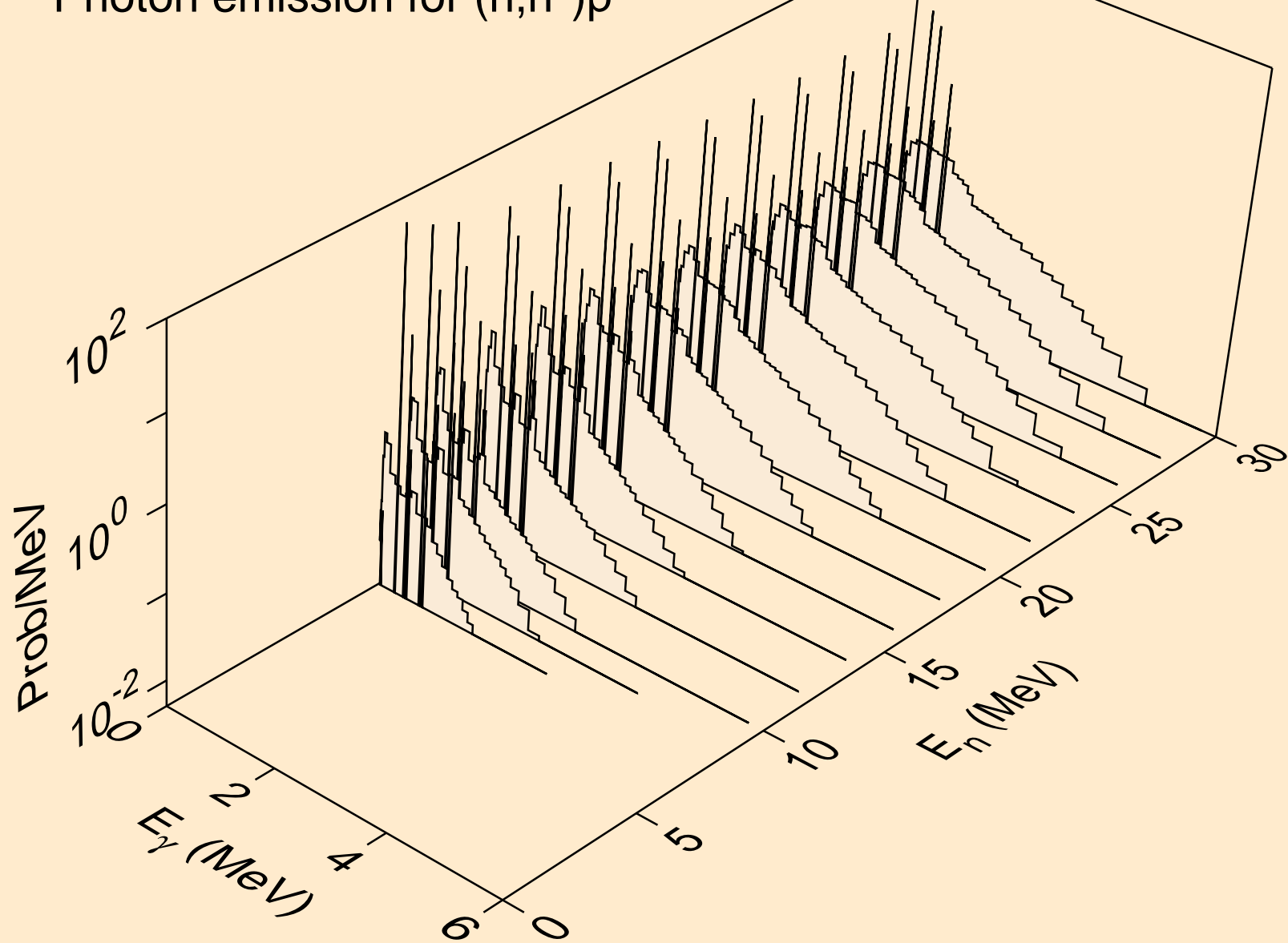




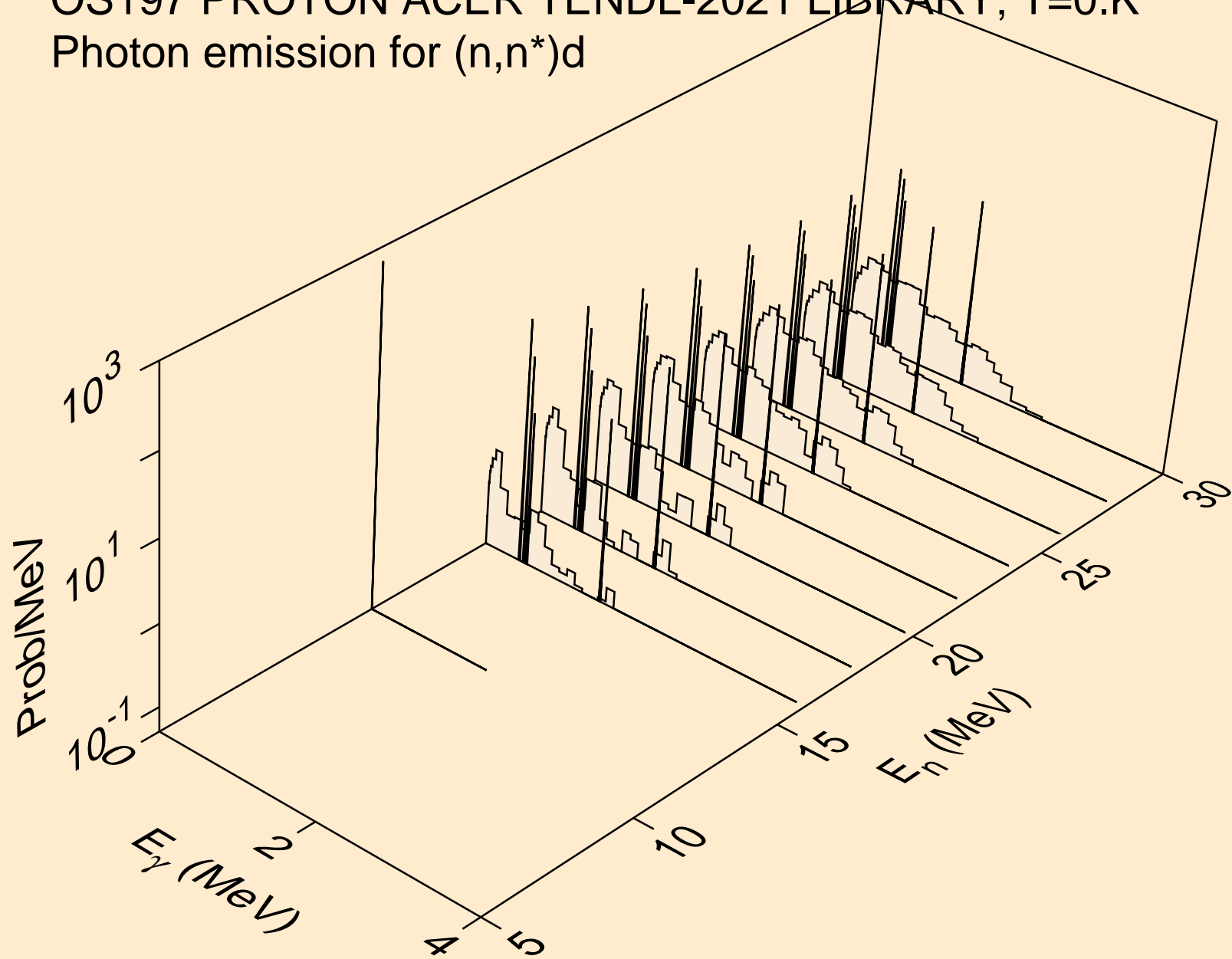
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Photon emission for (n,3n)a



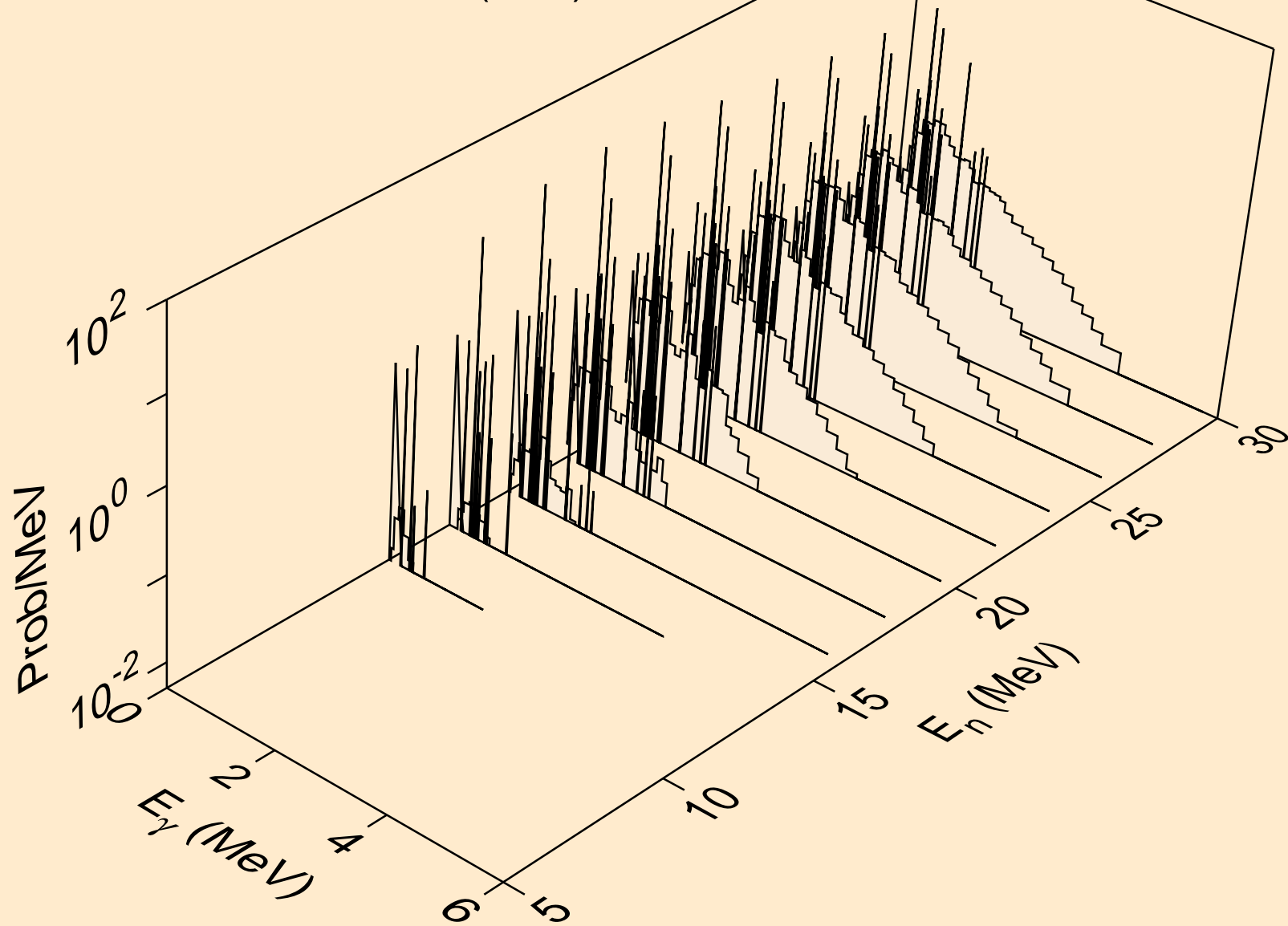
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Photon emission for (n,n\*)p



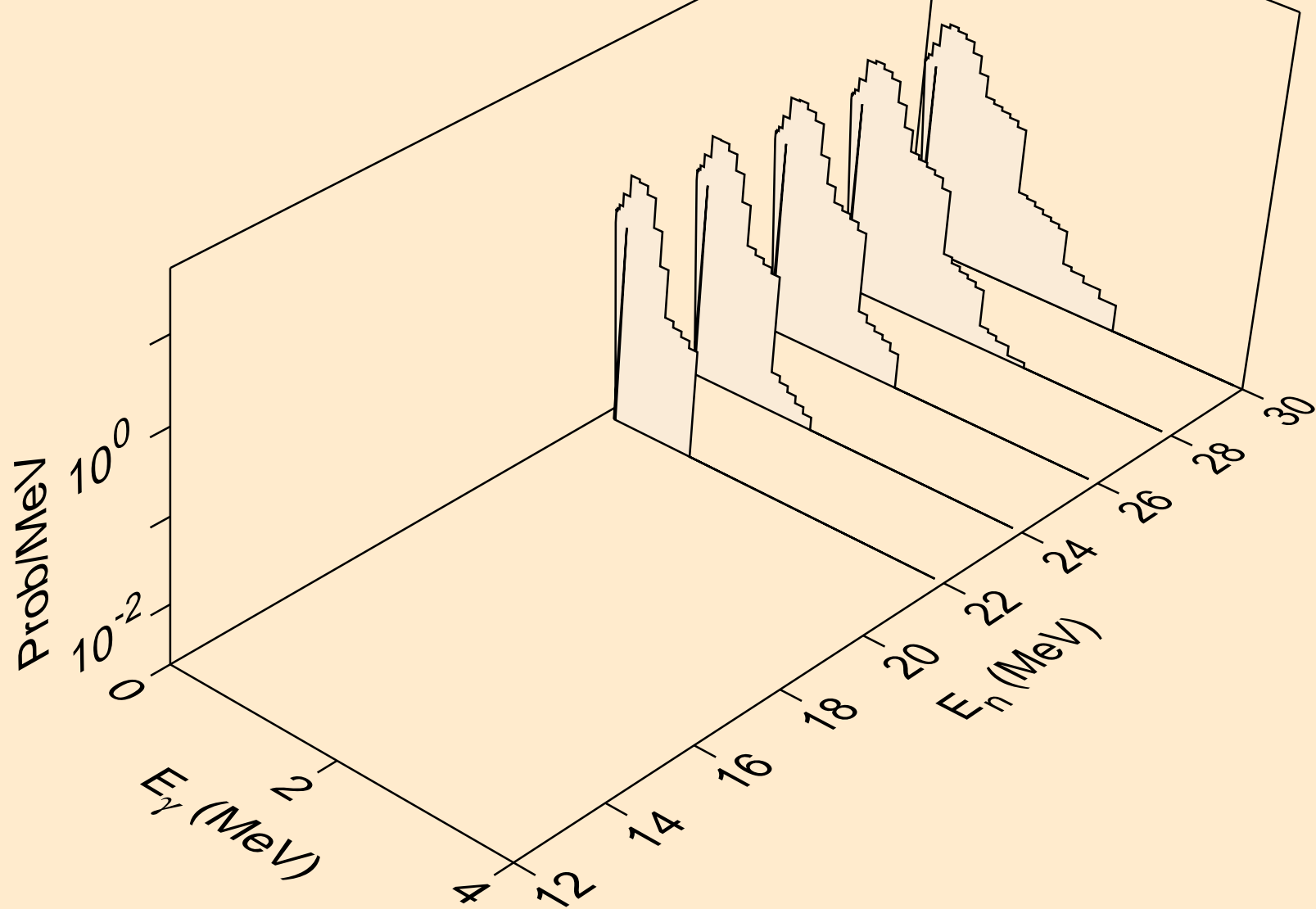
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



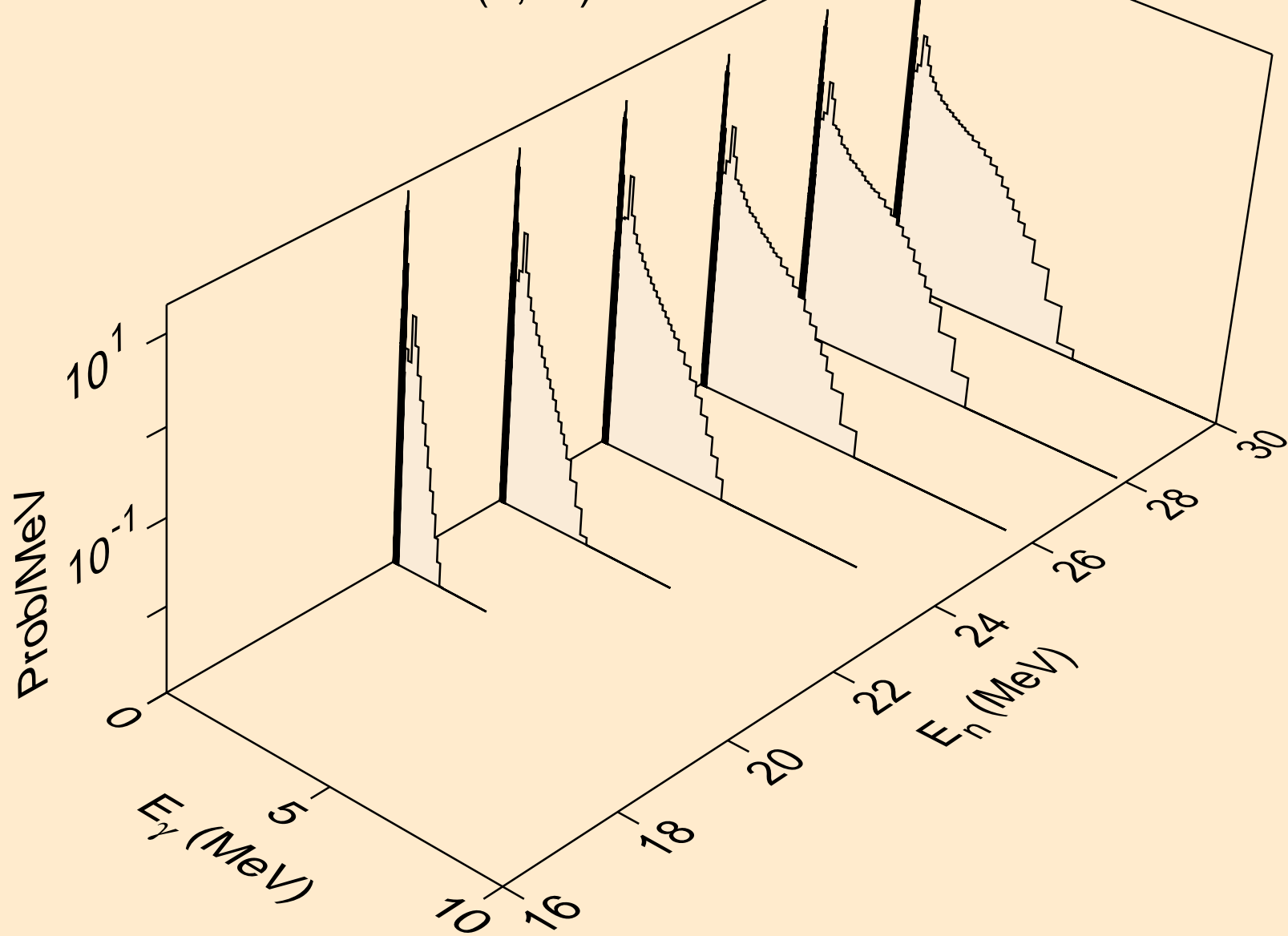
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



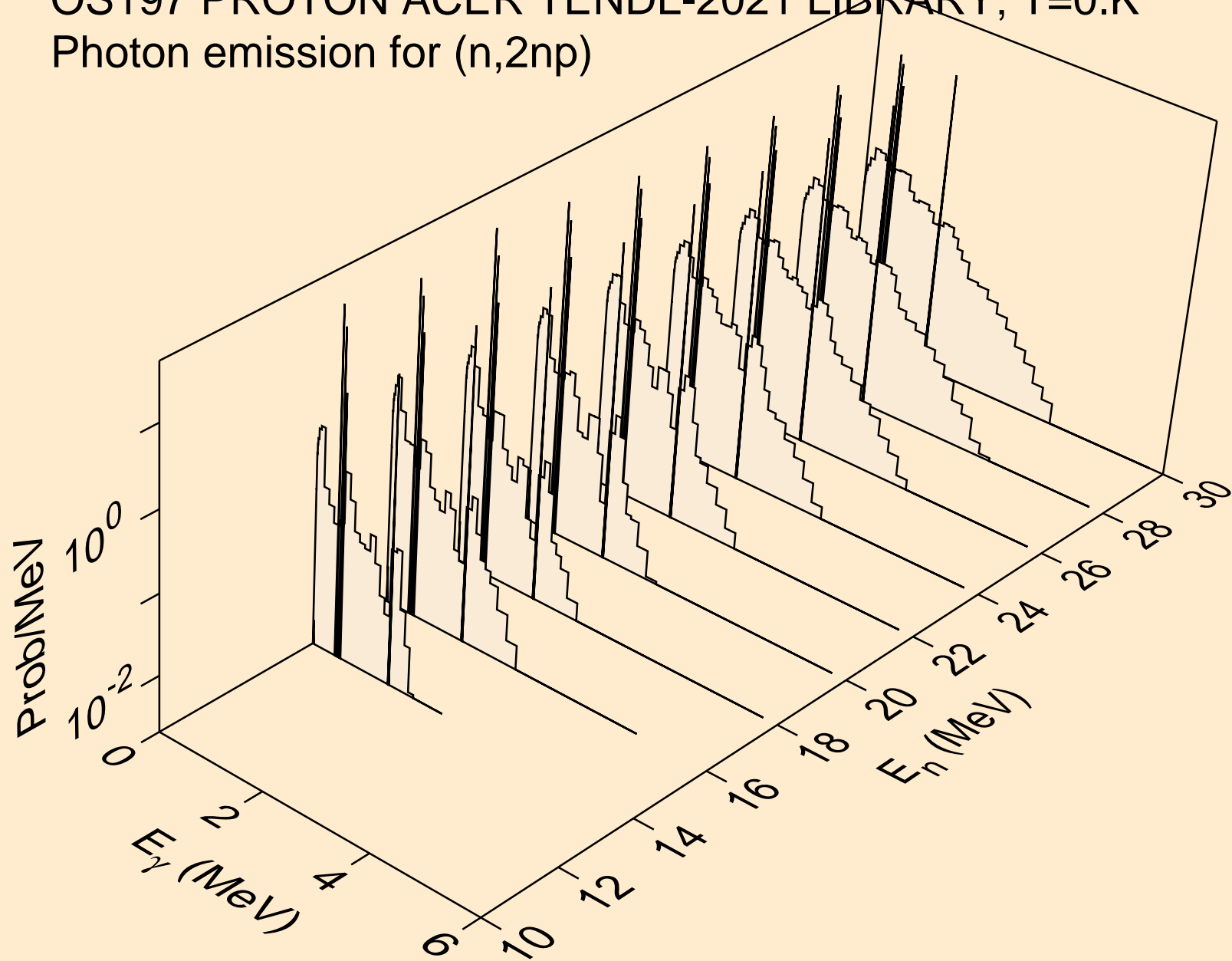
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



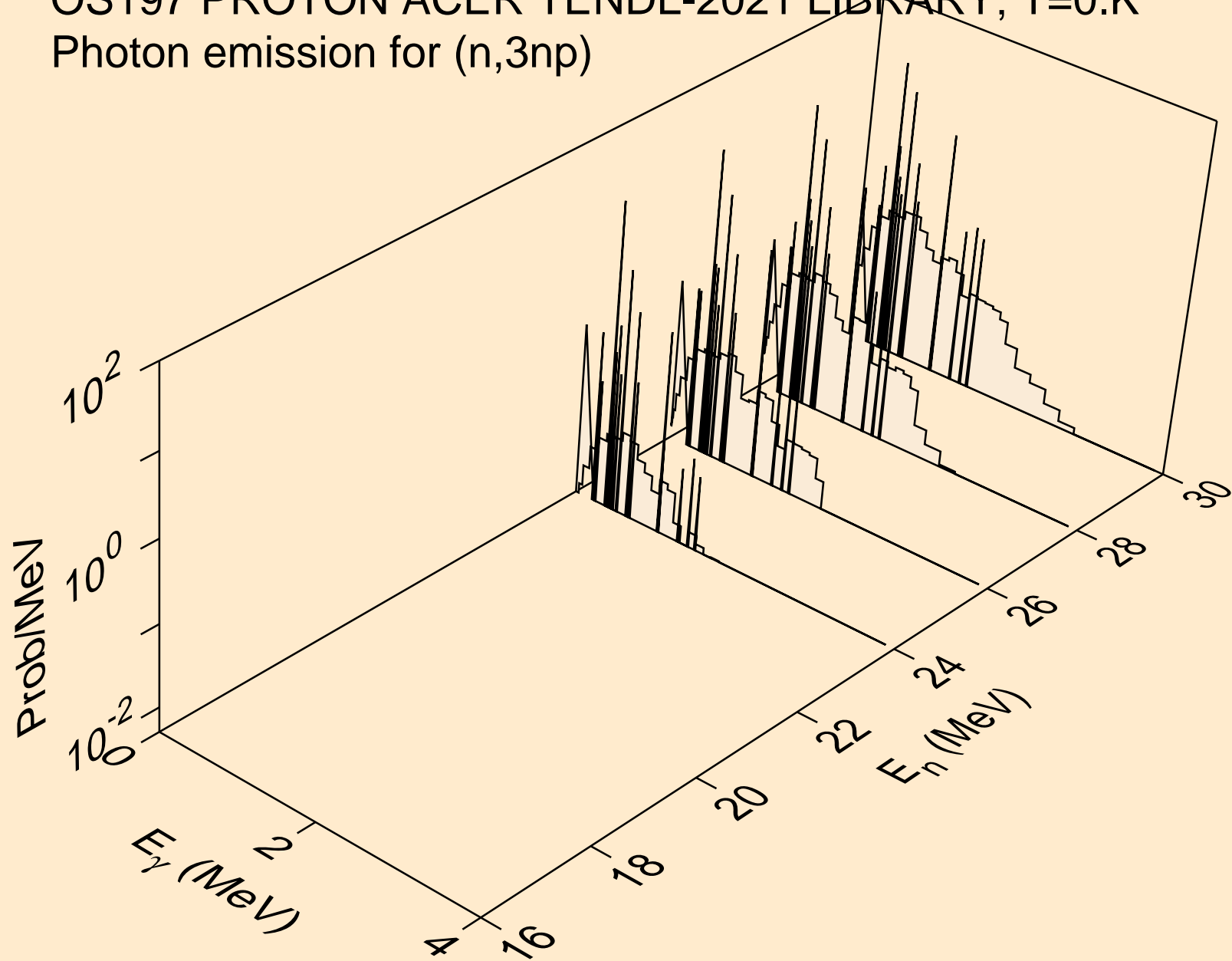
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,4n)



OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)

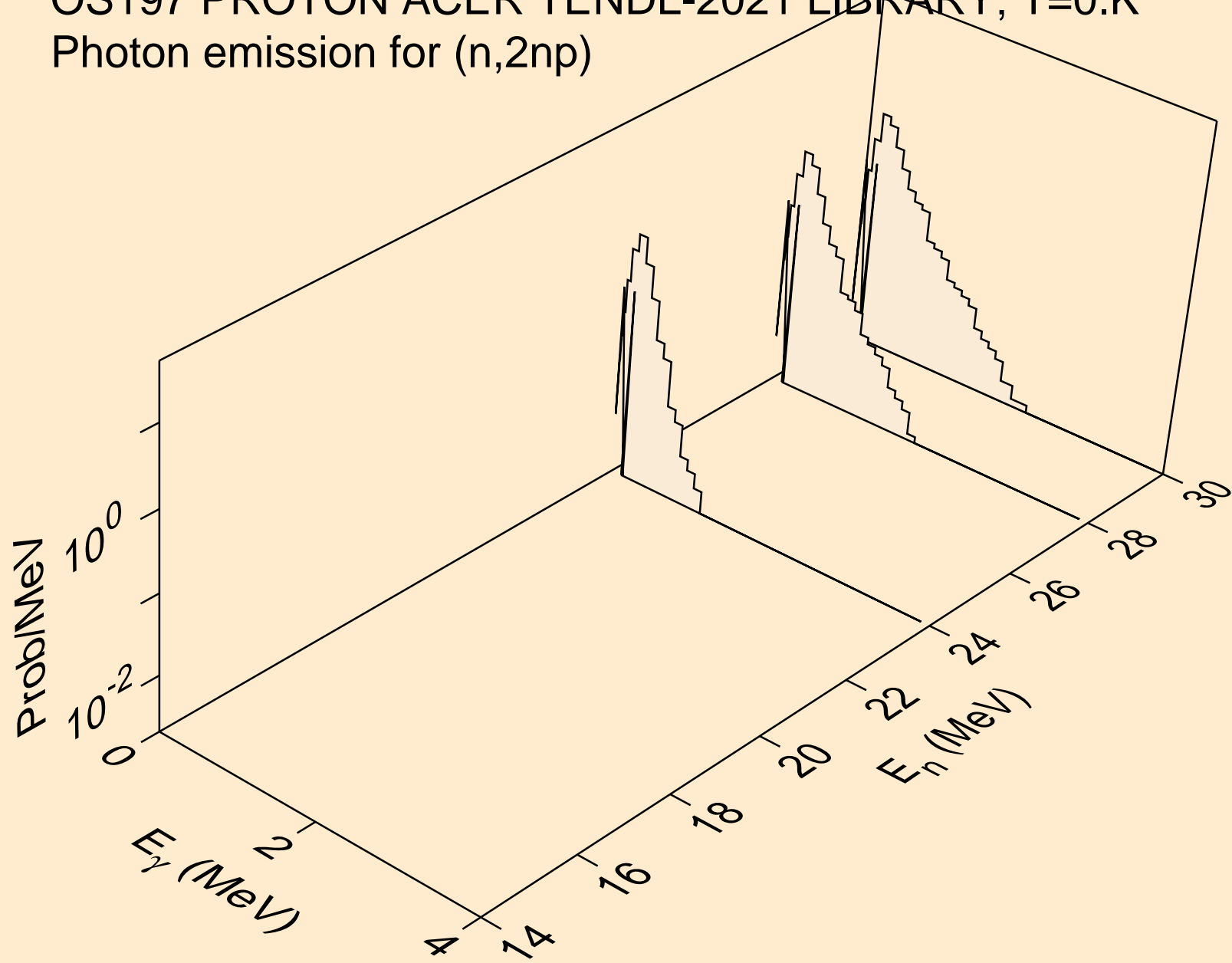


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Photon emission for (n,3np)

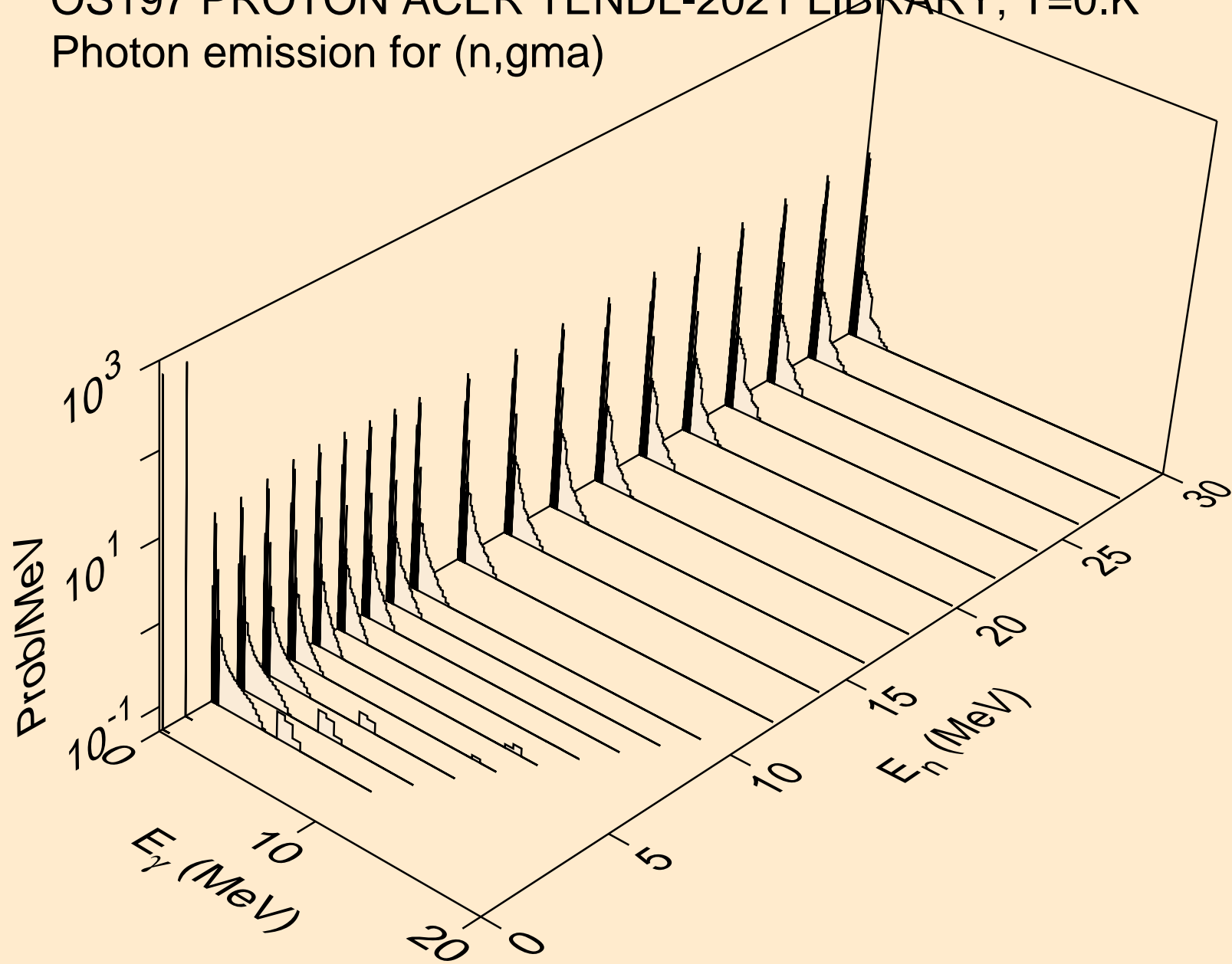




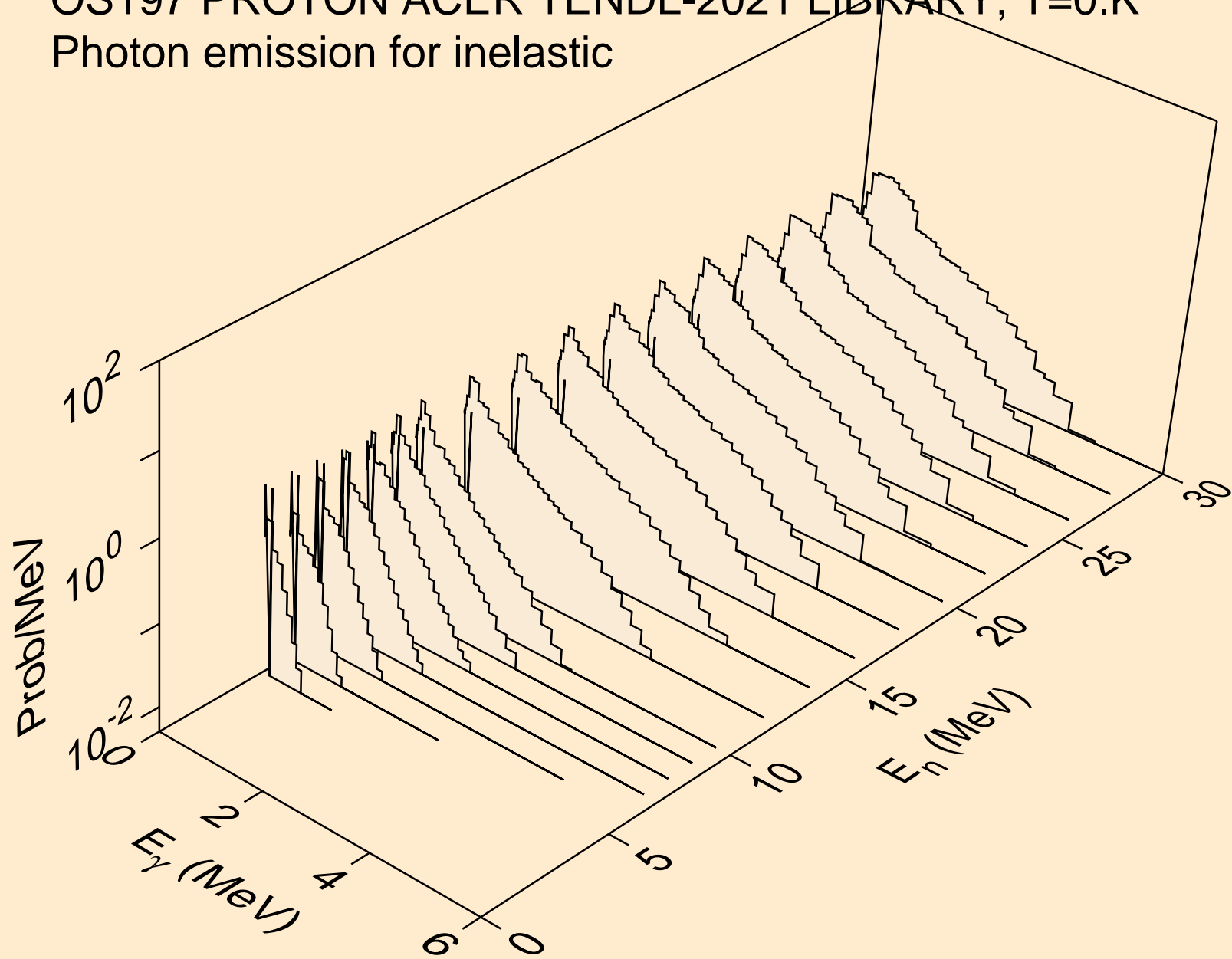
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Photon emission for (n,2np)



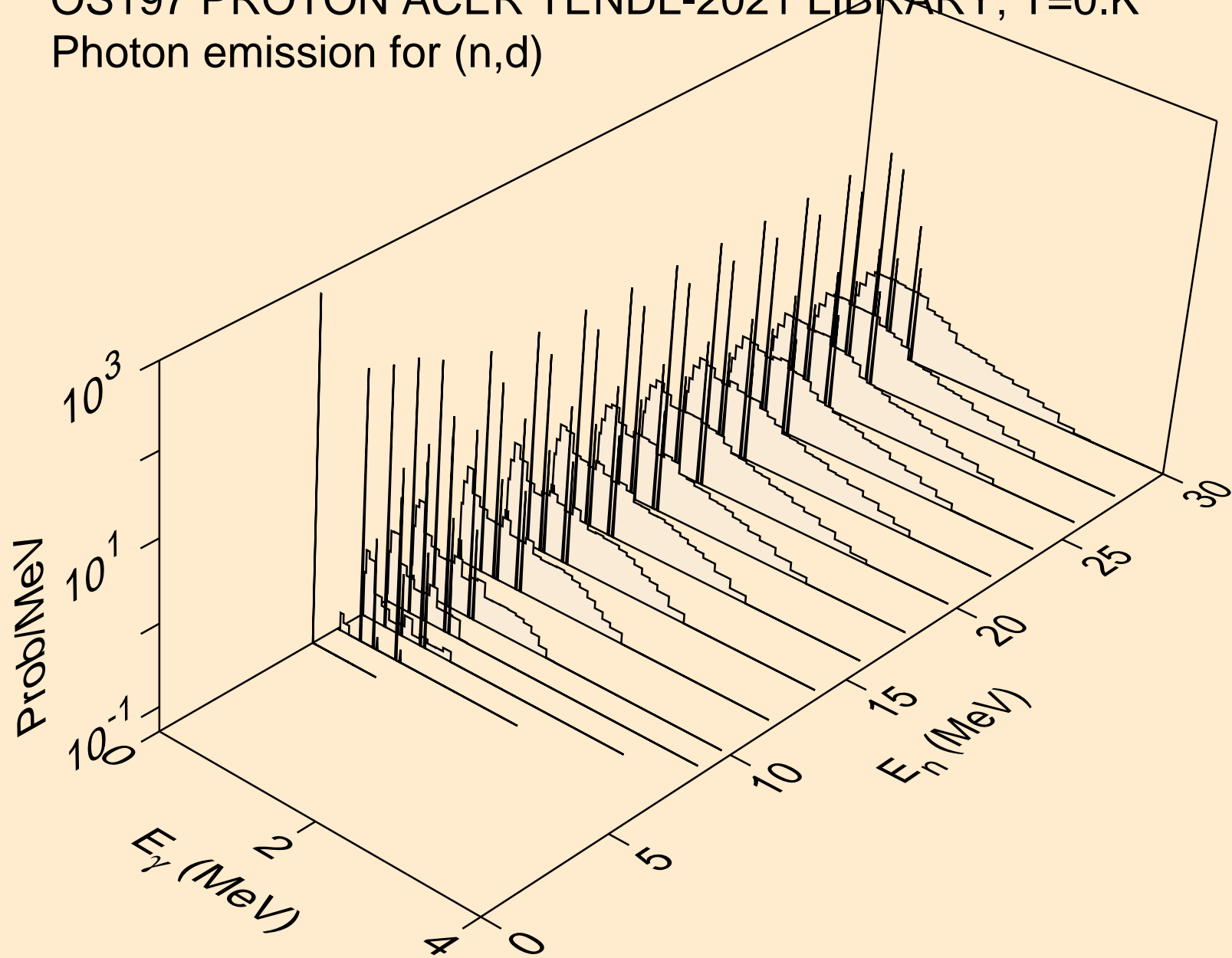
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Photon emission for (n,gma)



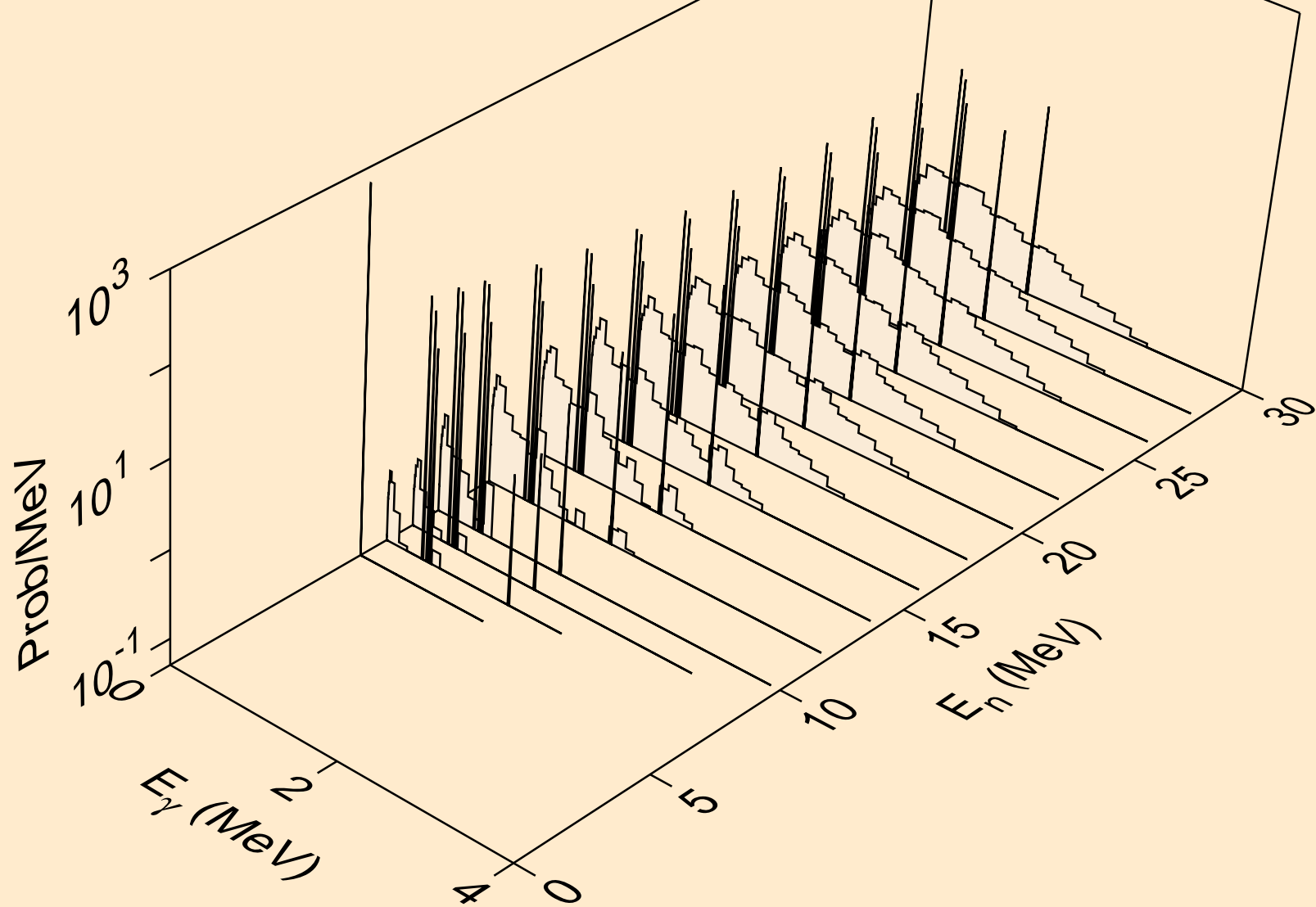
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for inelastic



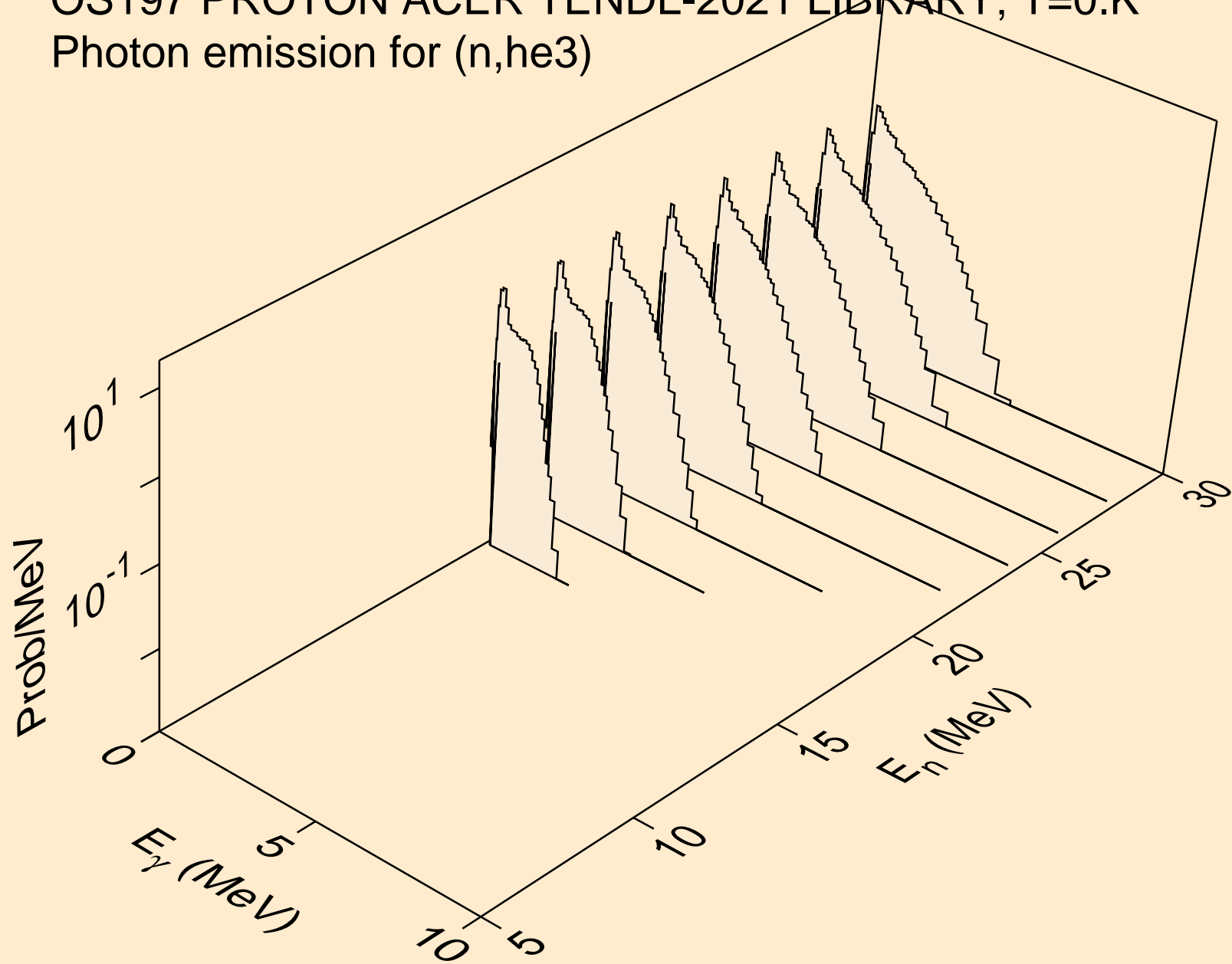
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Photon emission for (n,d)



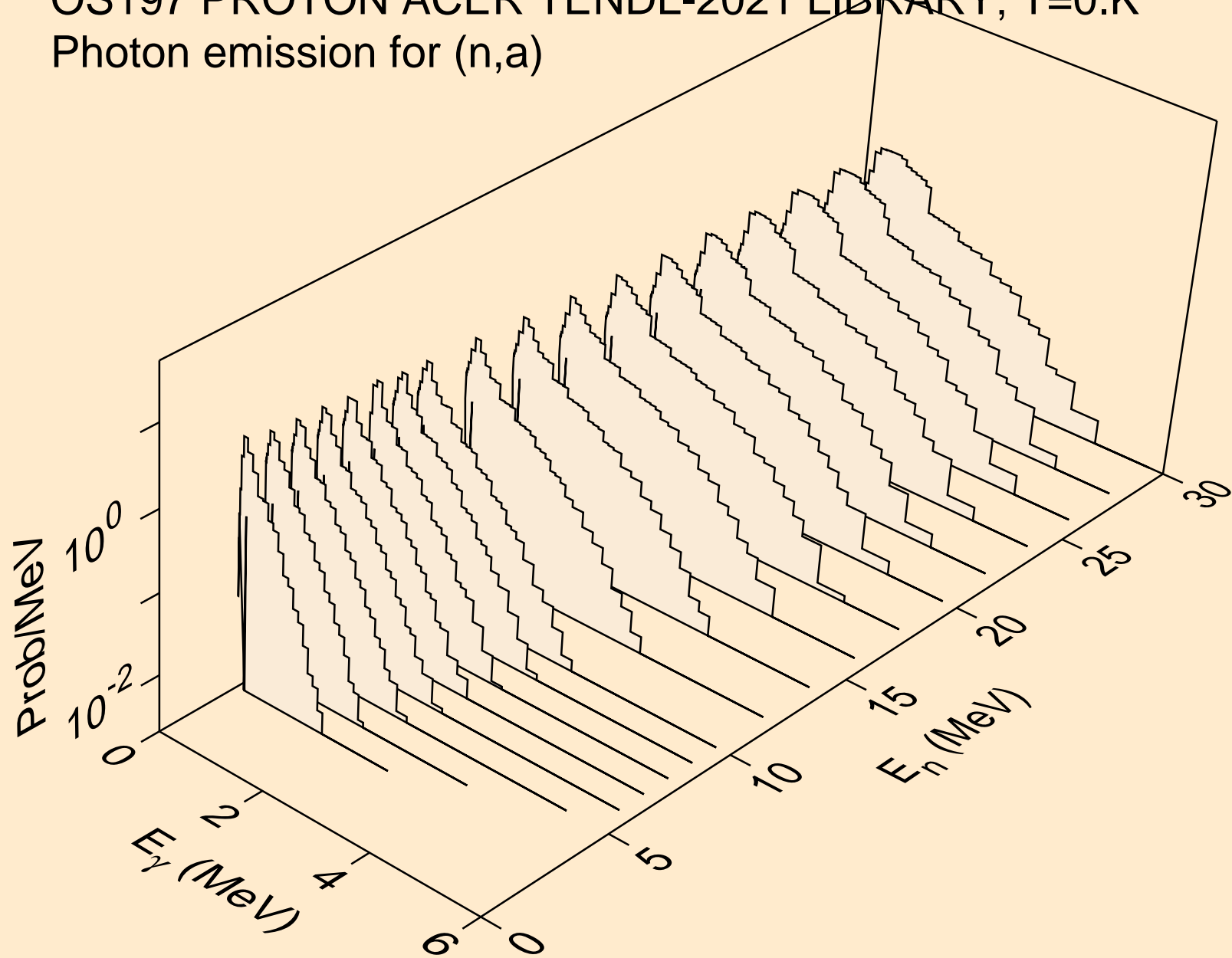
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,t)



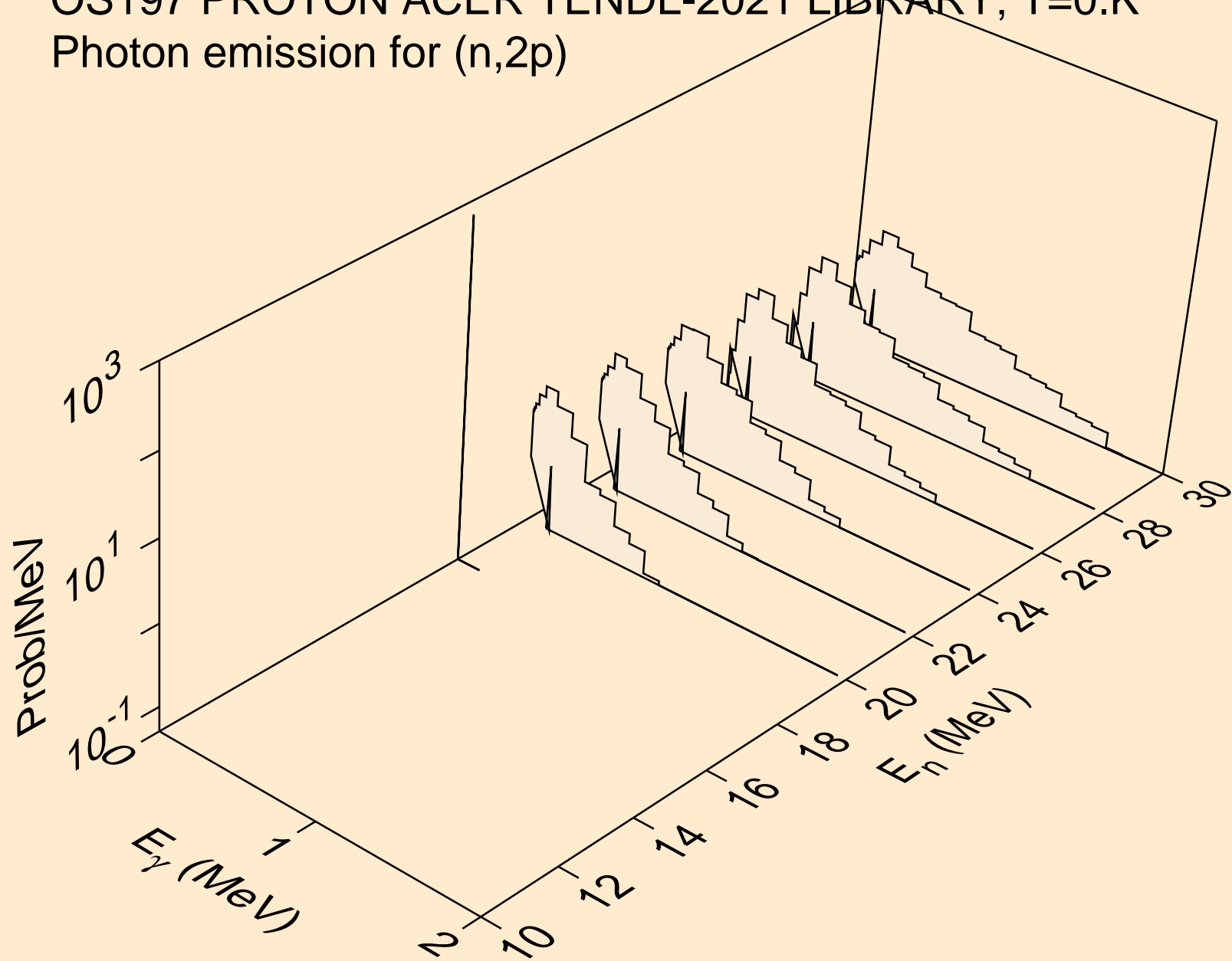
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,he3)



OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,a)



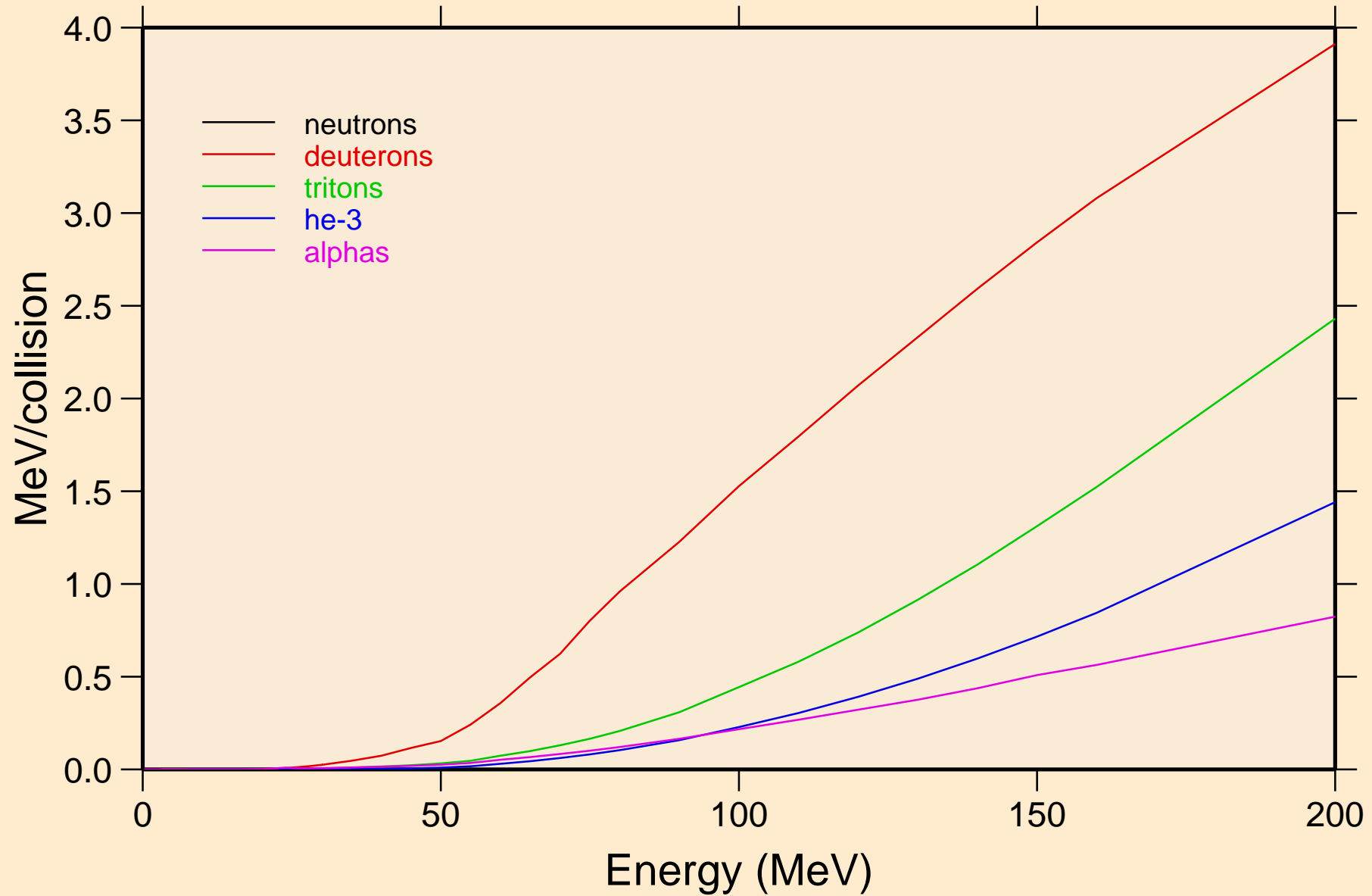
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)



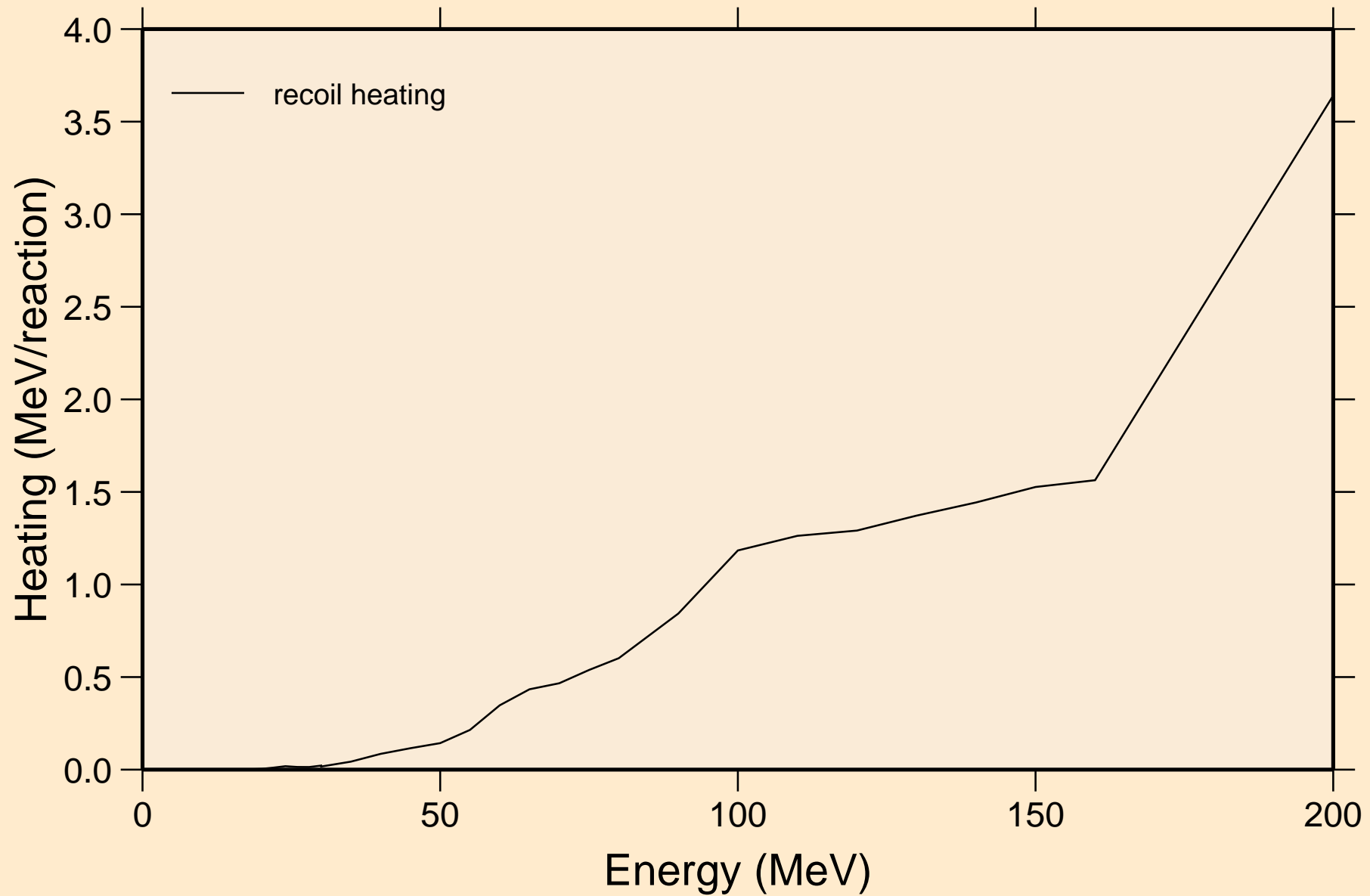


# OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K

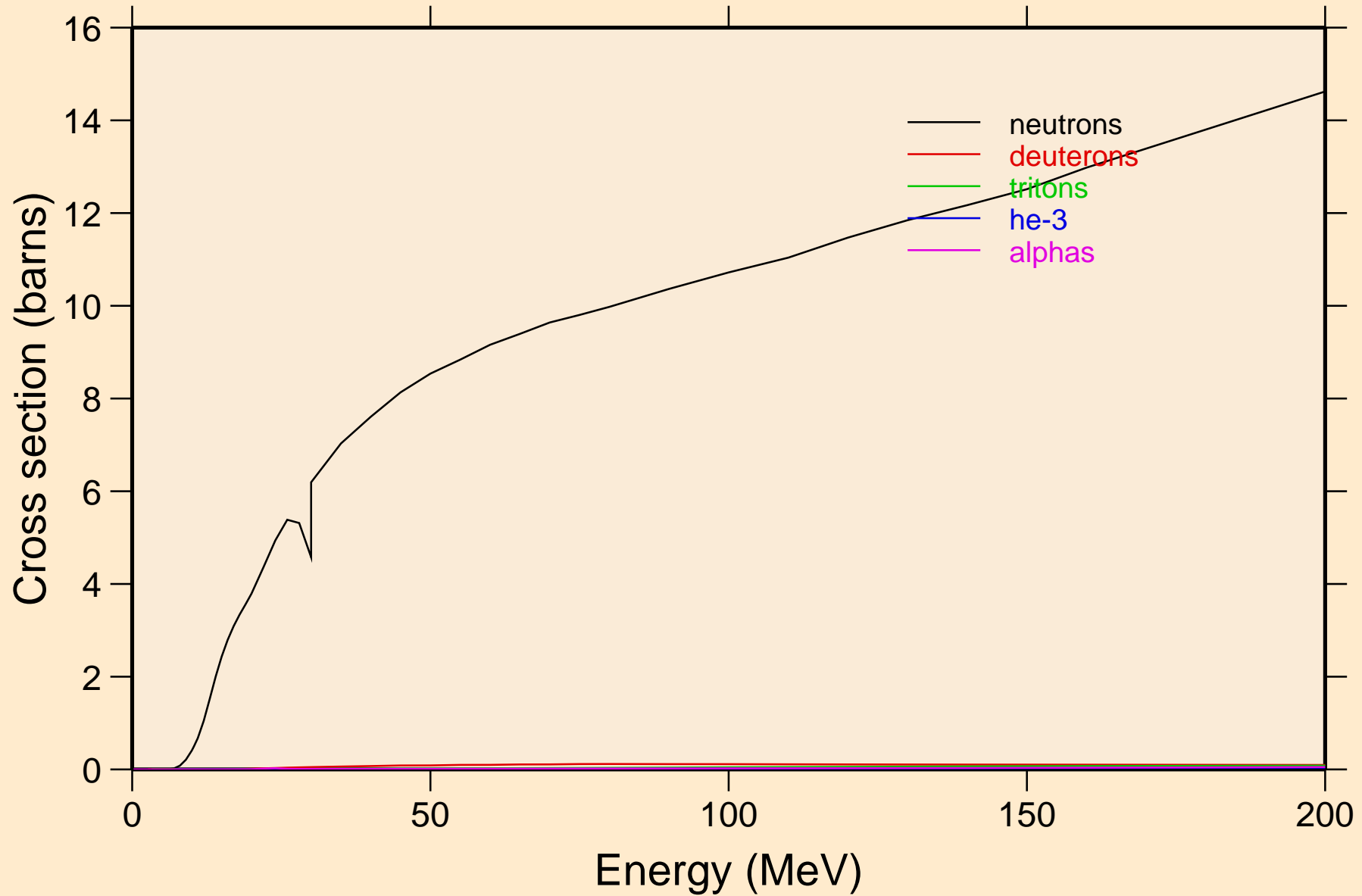
## Particle heating contributions



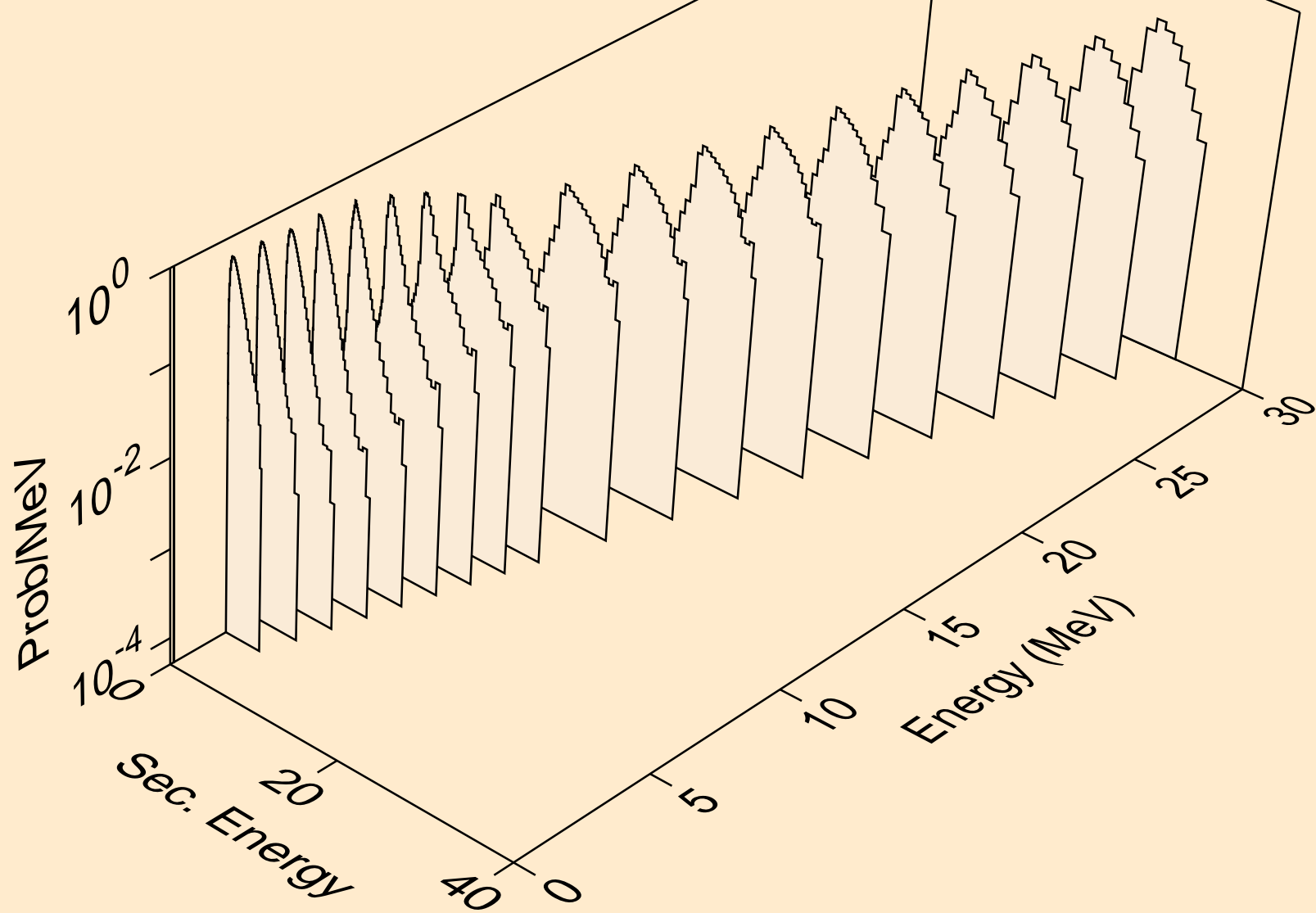
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Recoil Heating



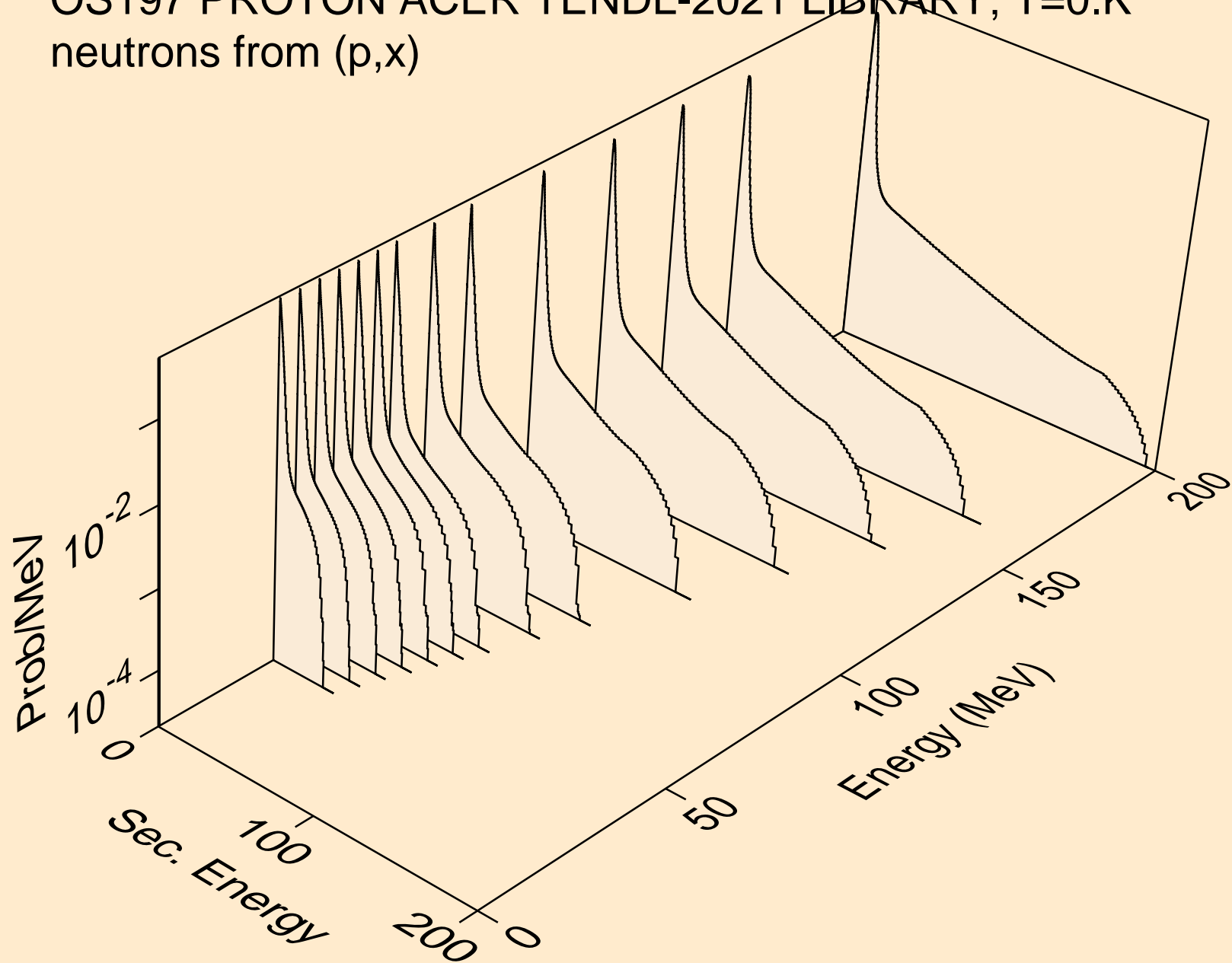
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections



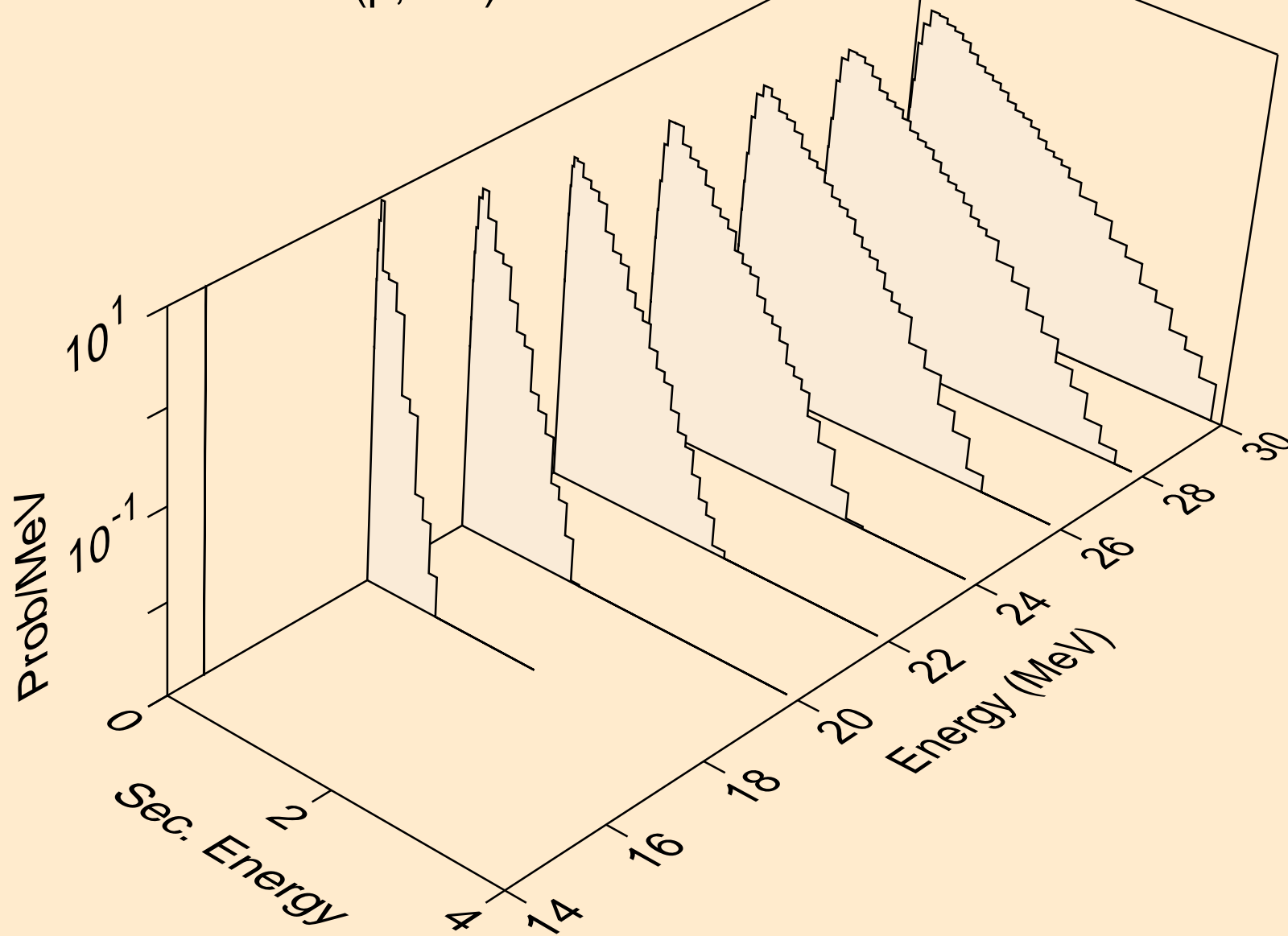
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n)



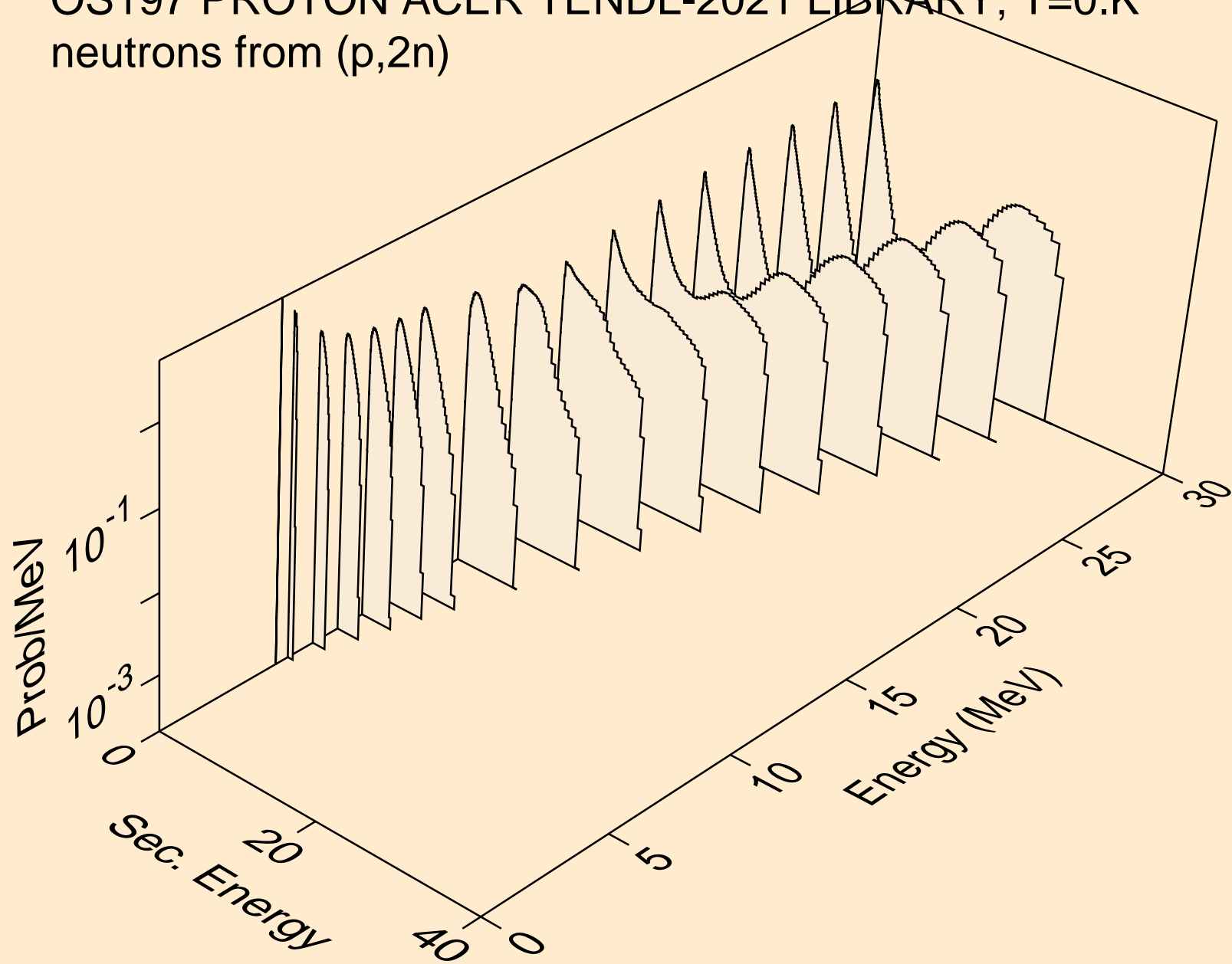
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neutrons from (p,x)



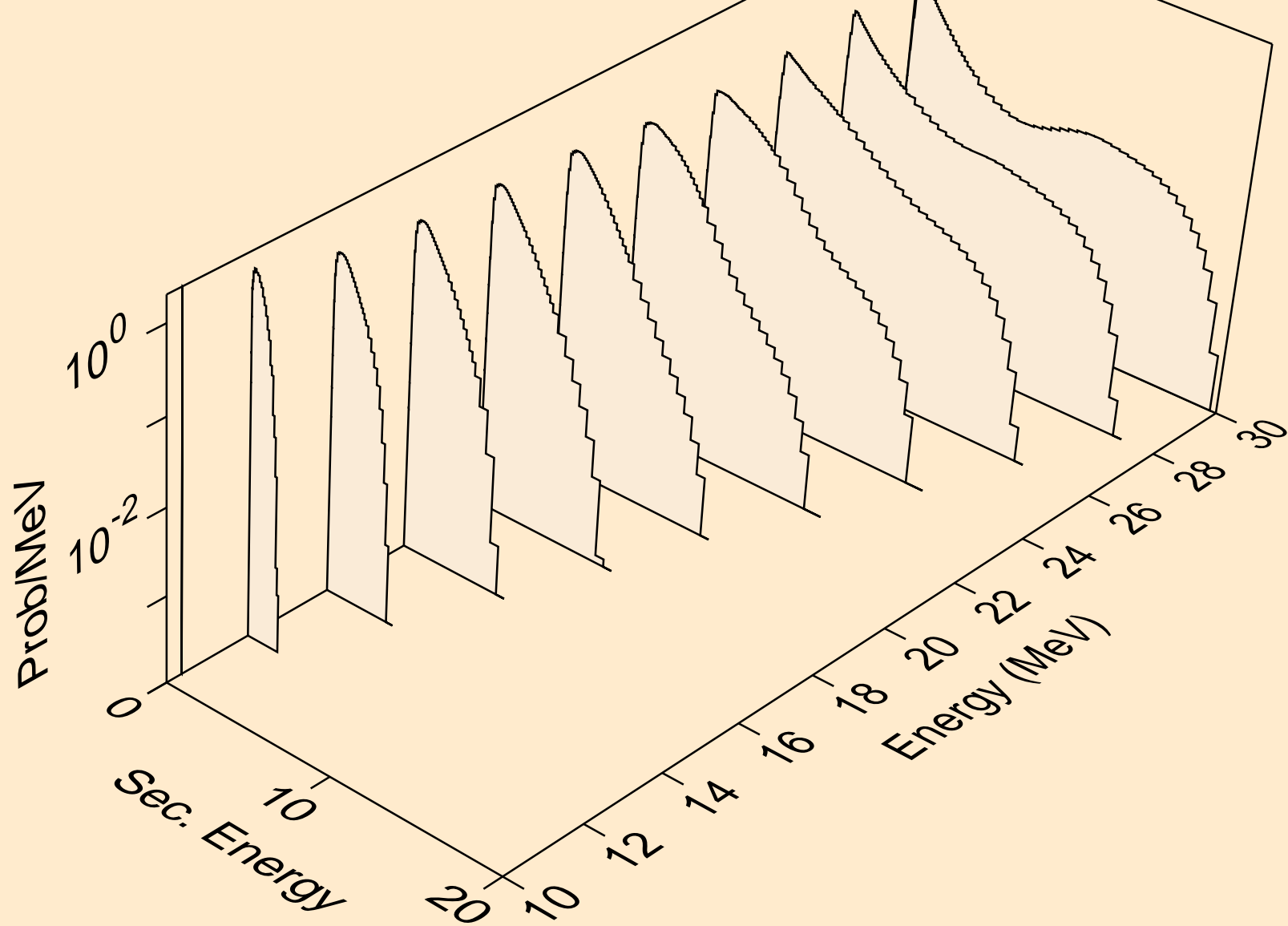
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2nd)



OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2n)

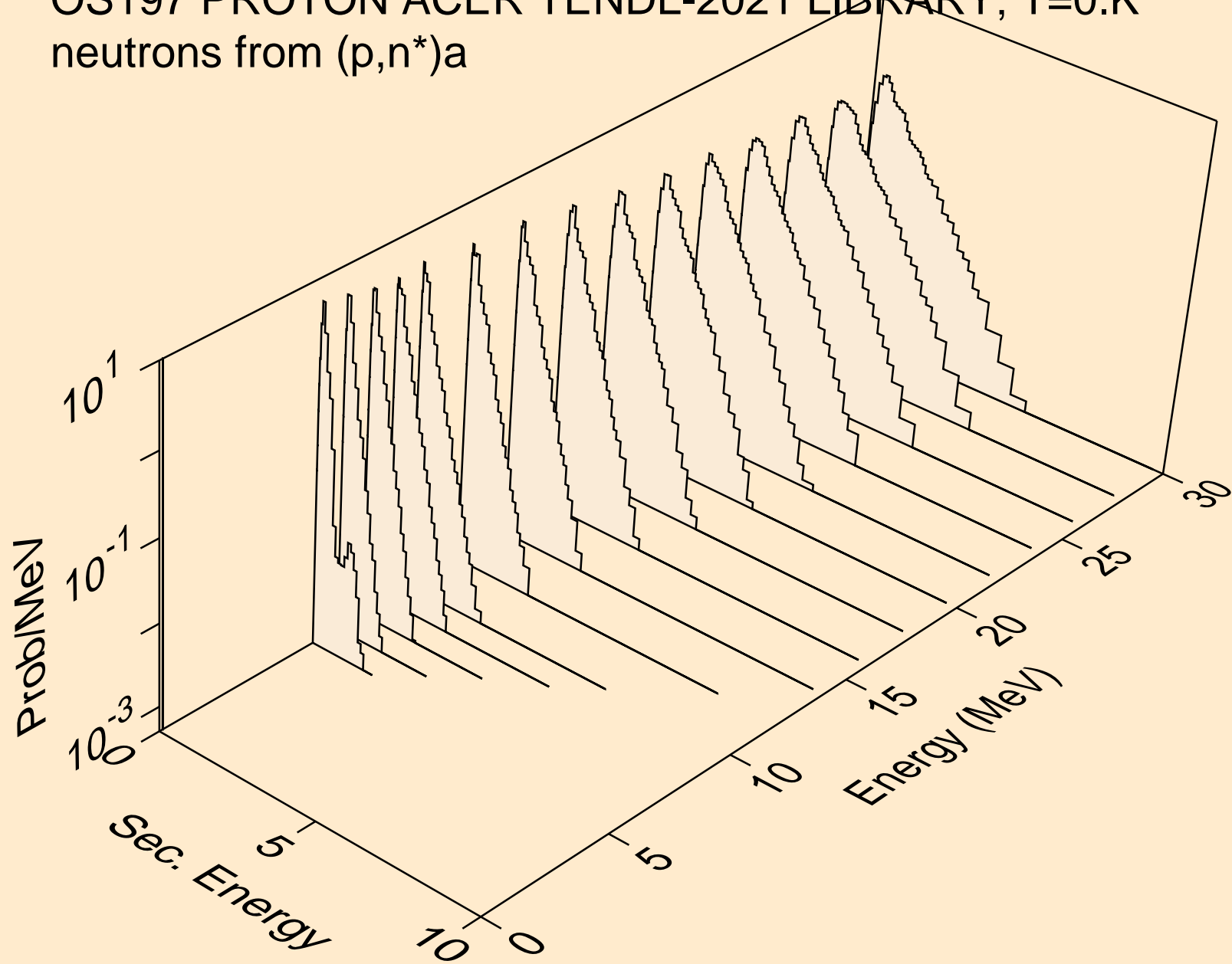


OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3n)

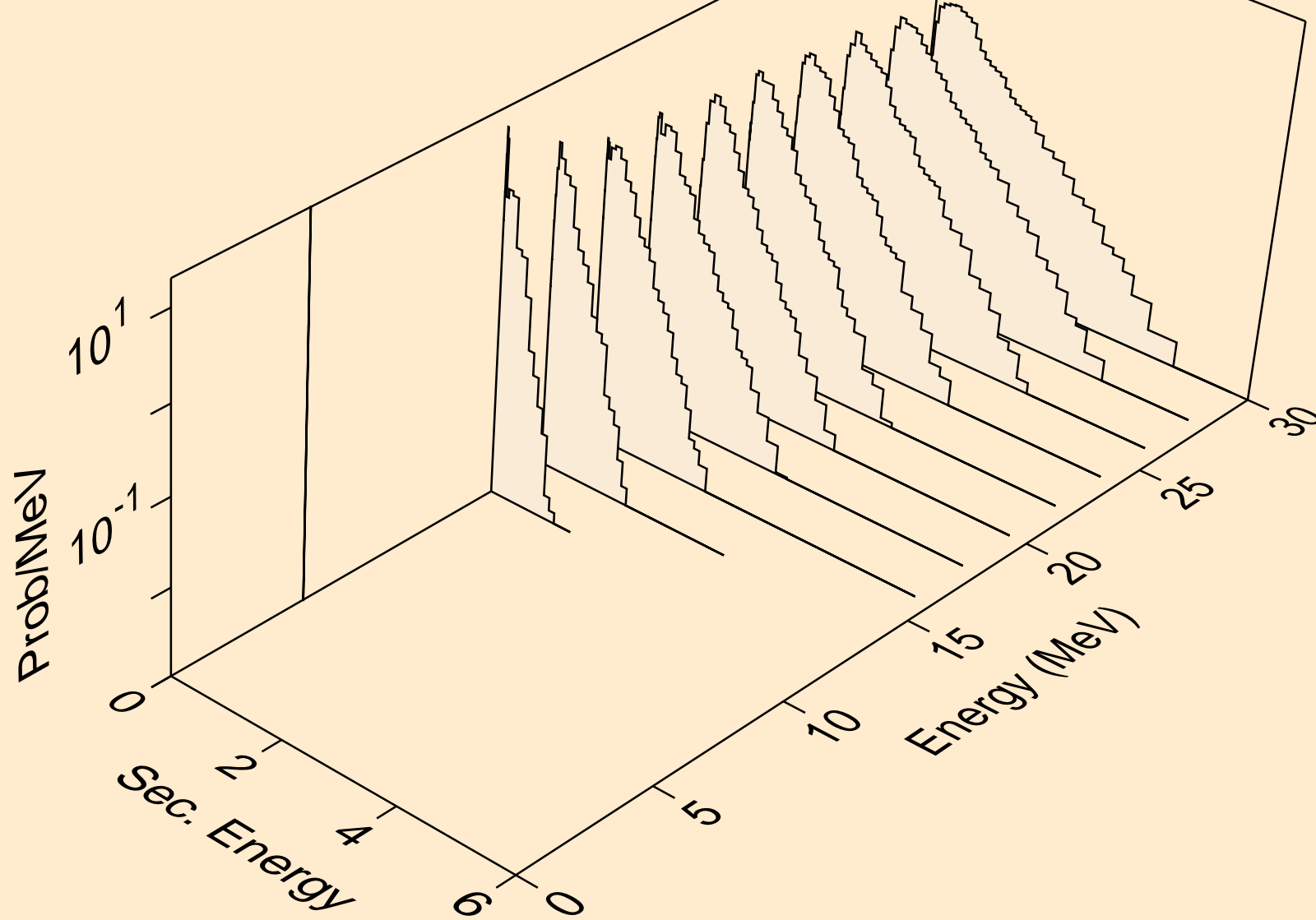




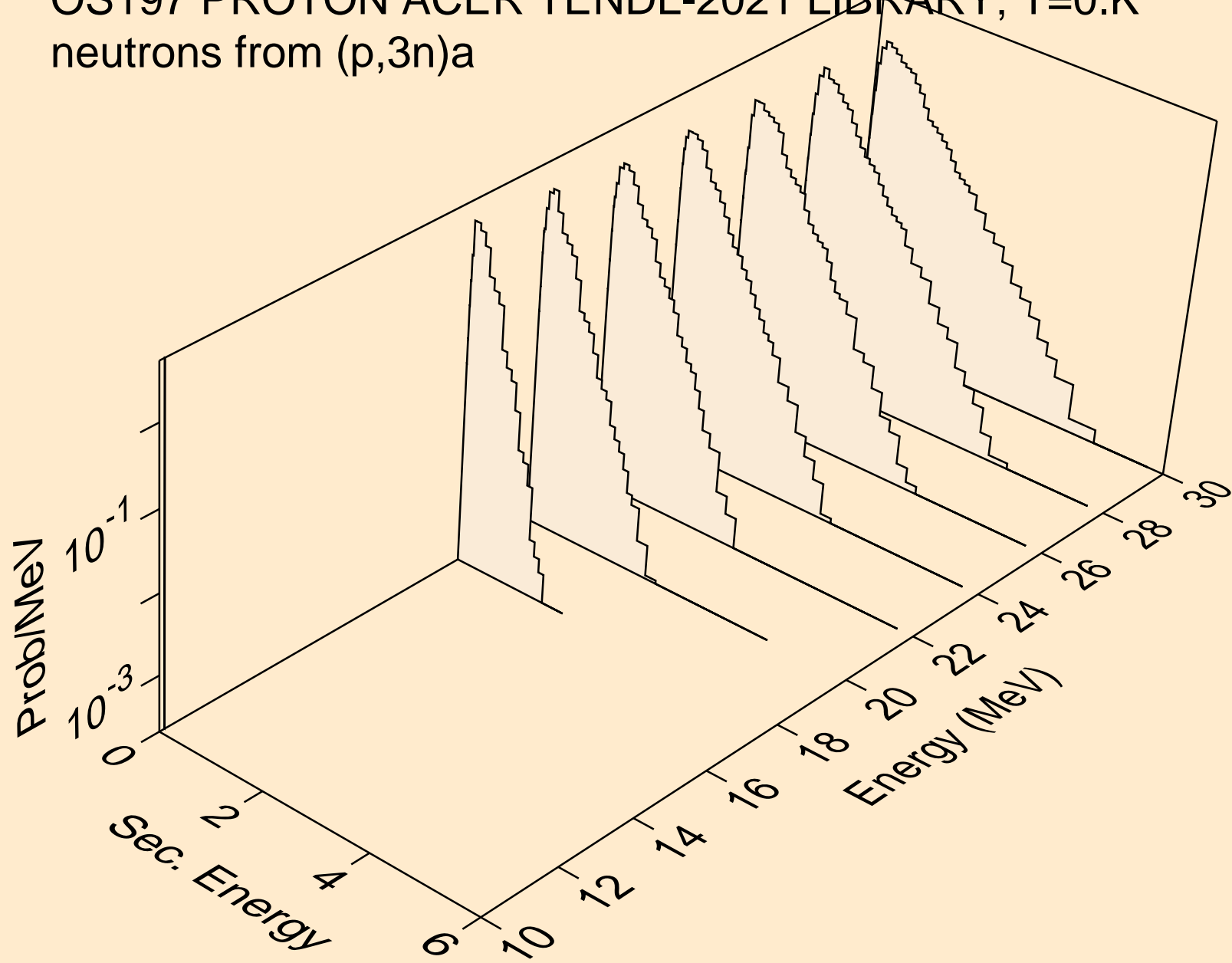
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)a



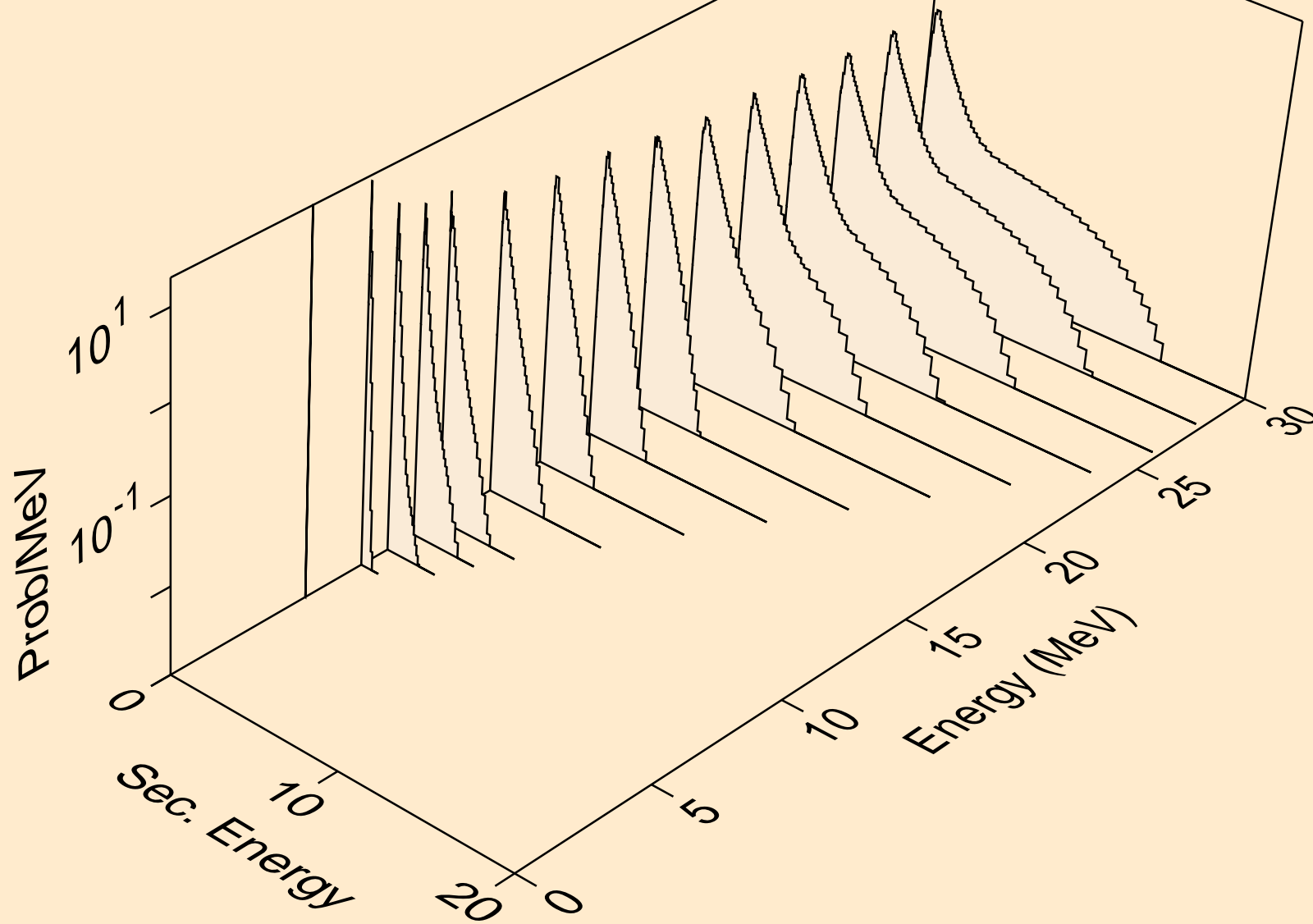
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2n)a



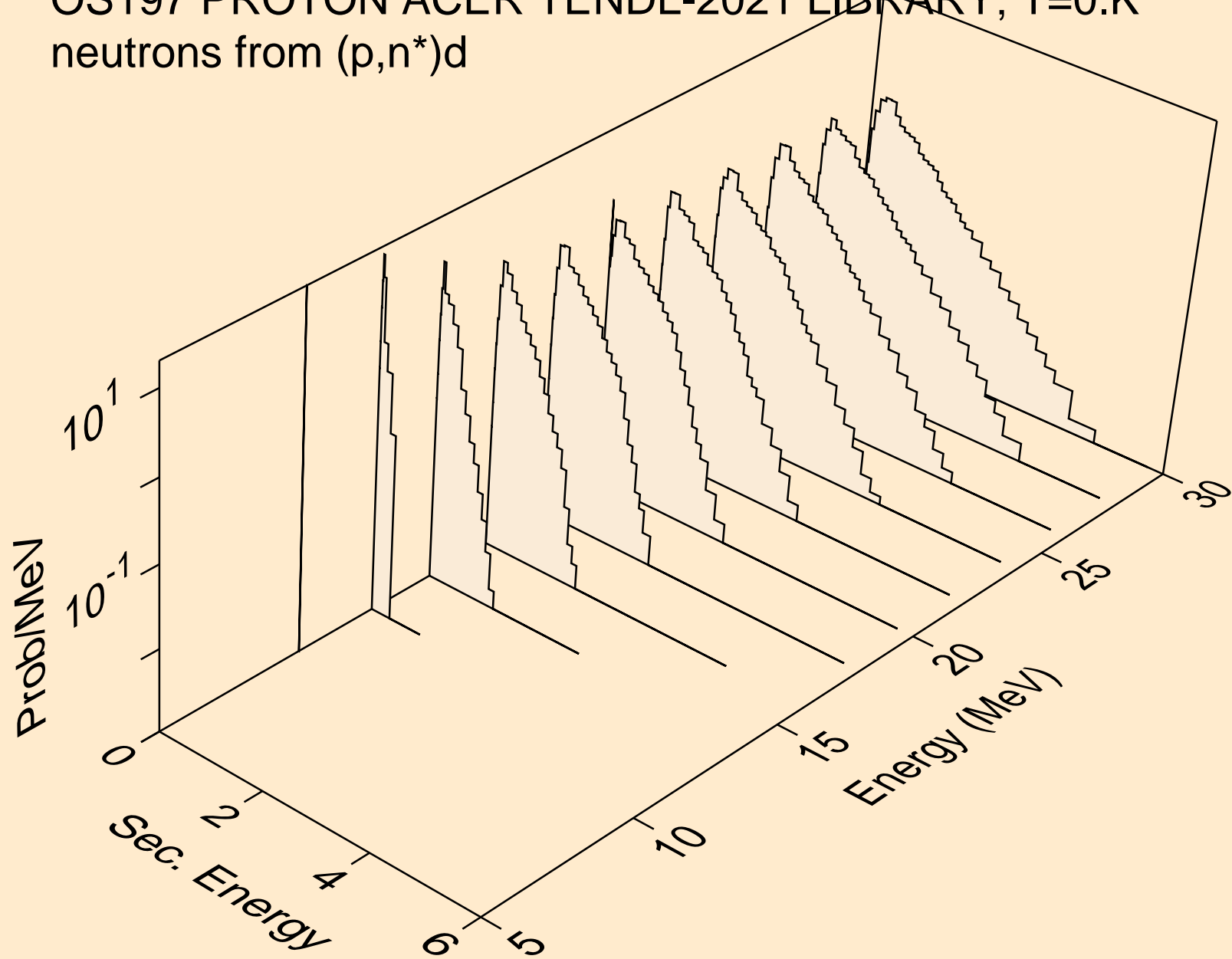
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neutrons from (p,3n)a



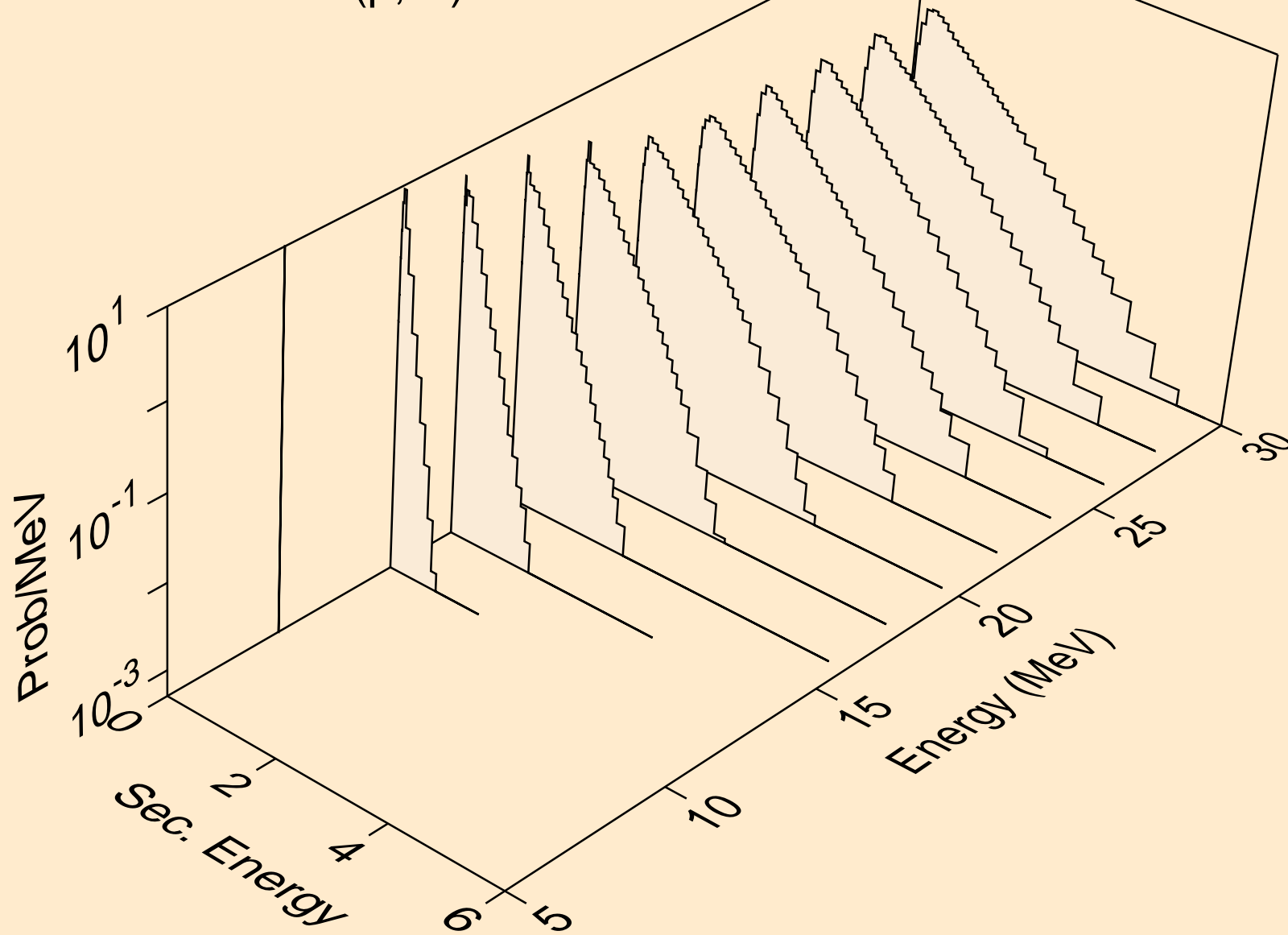
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)p



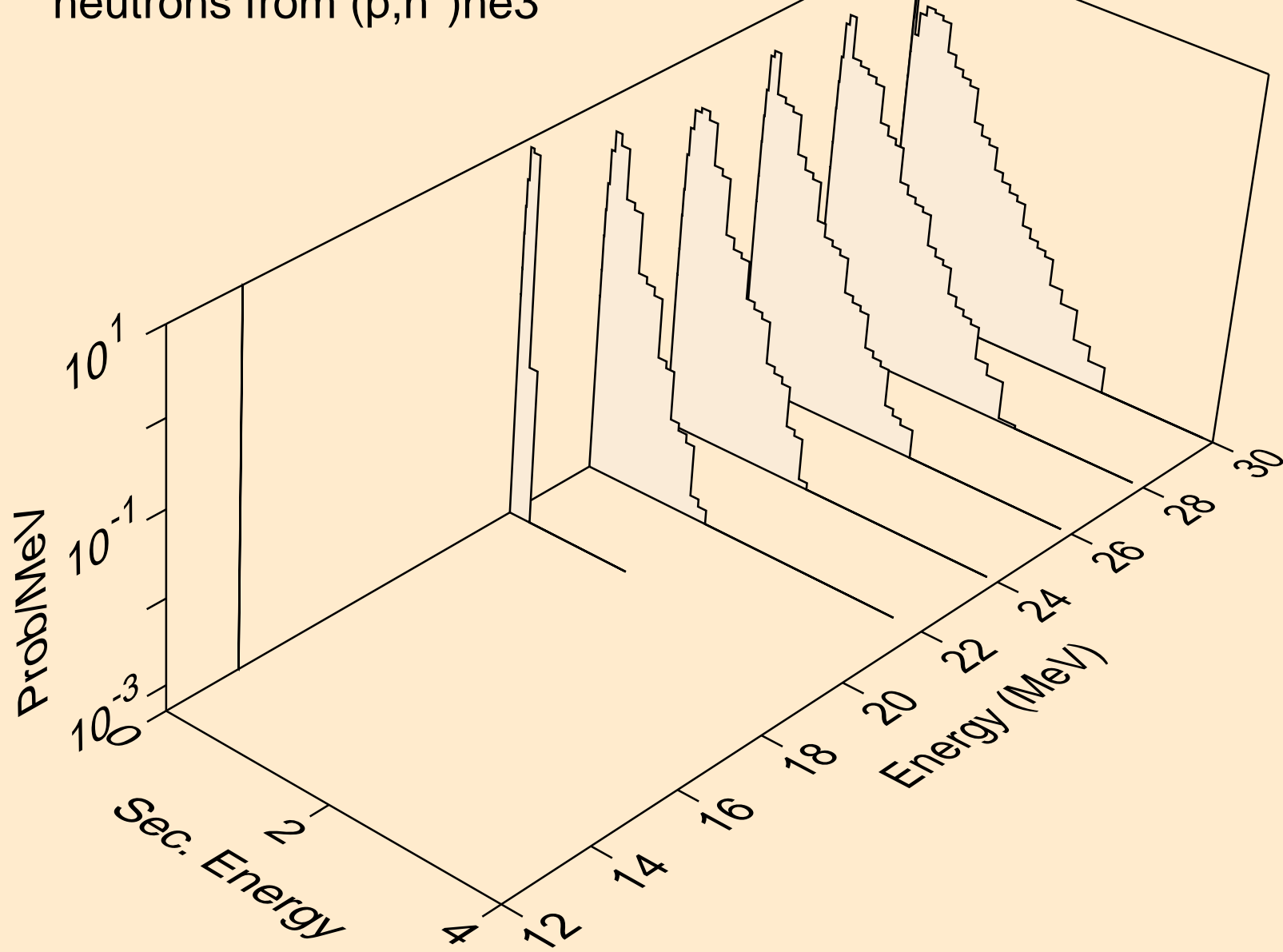
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)d



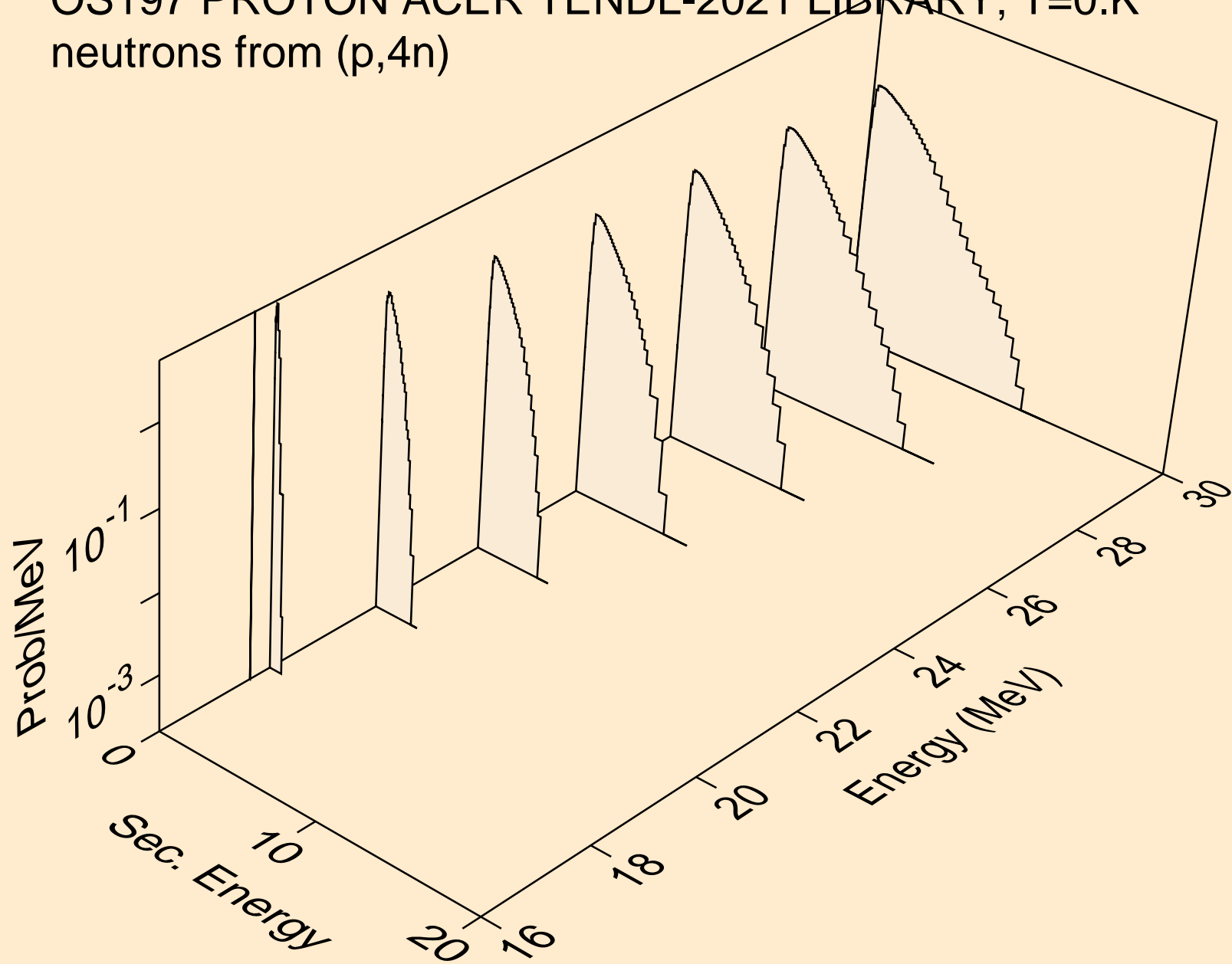
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)t



OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)he3

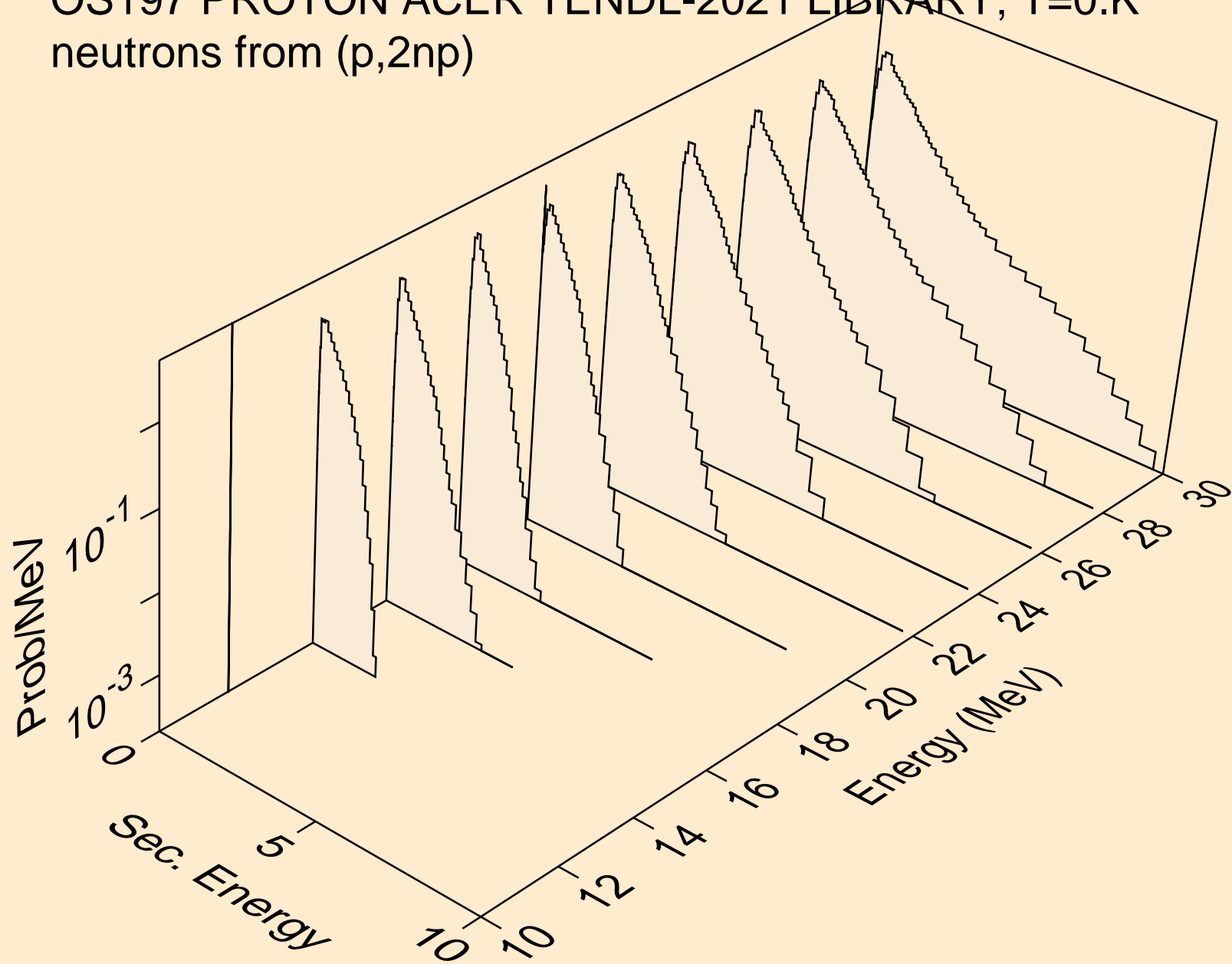


OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,4n)

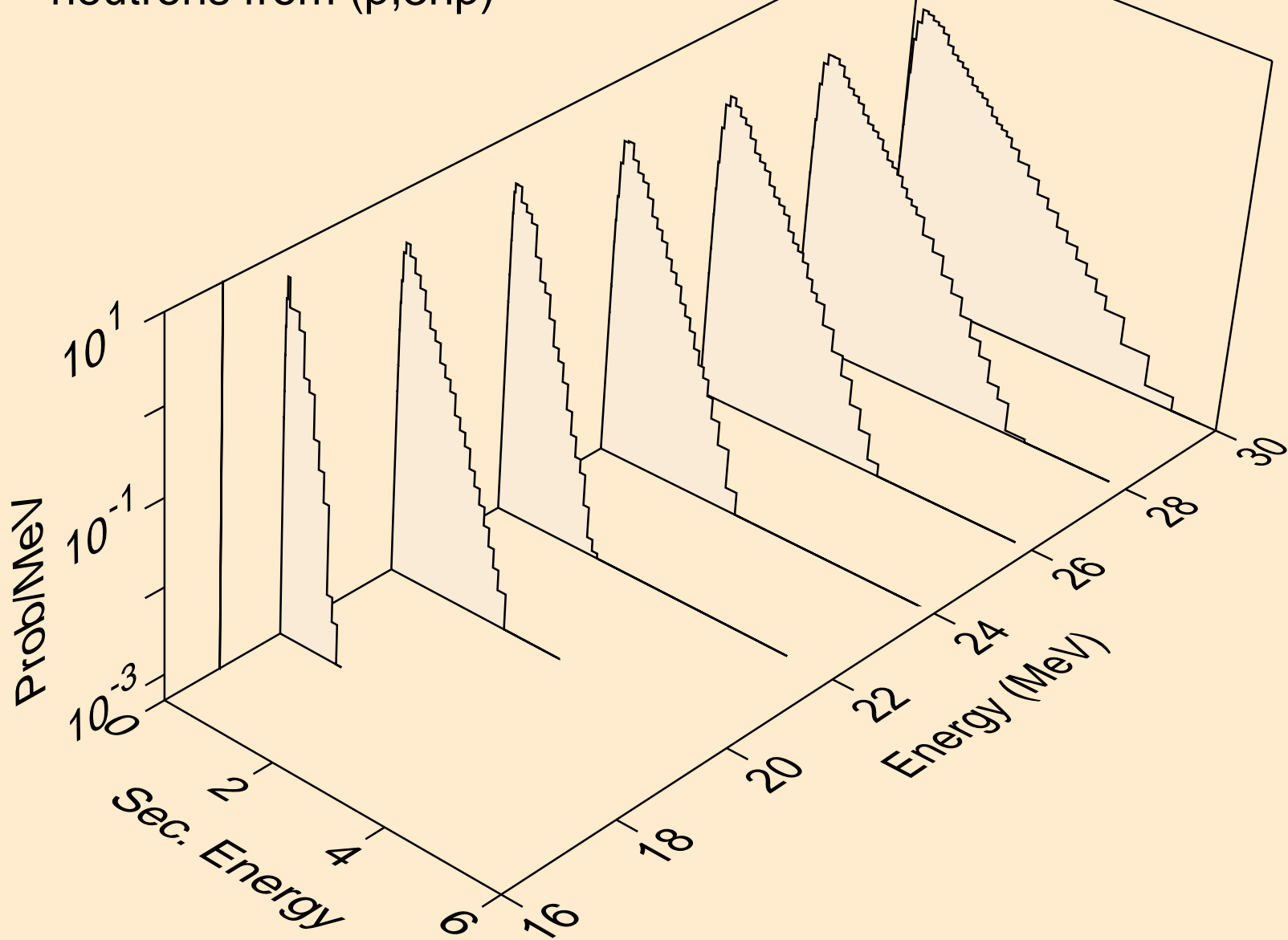




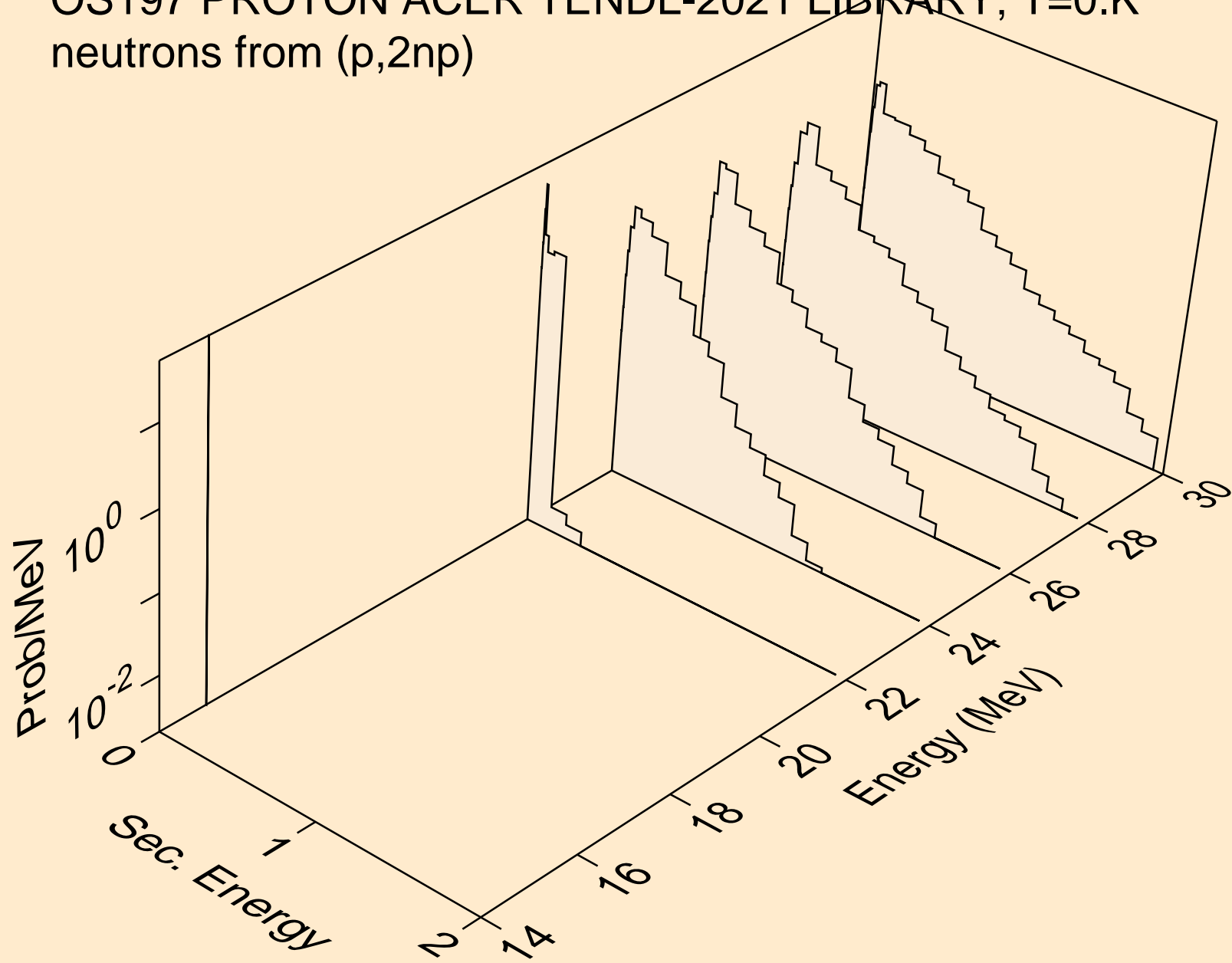
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)



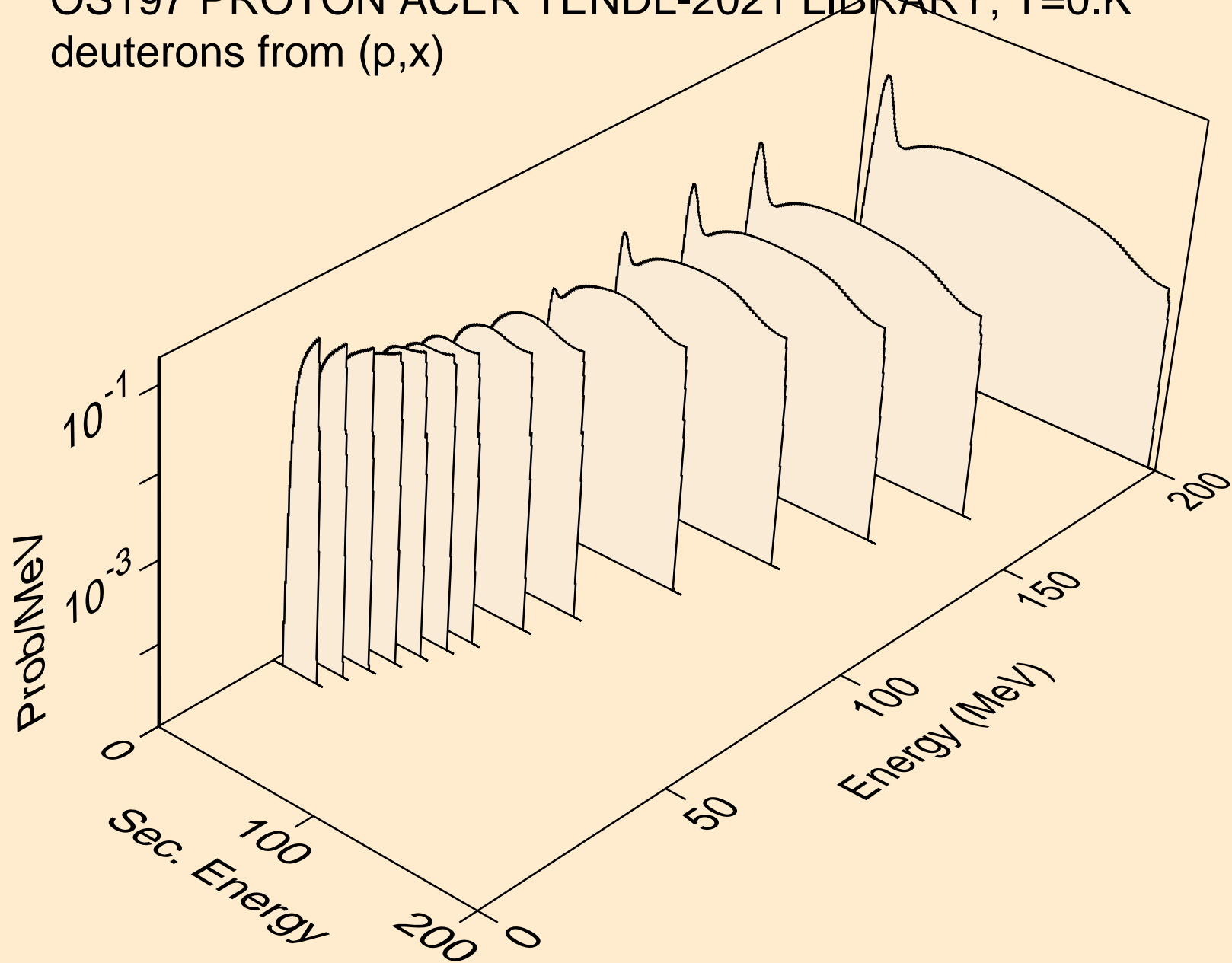
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3np)



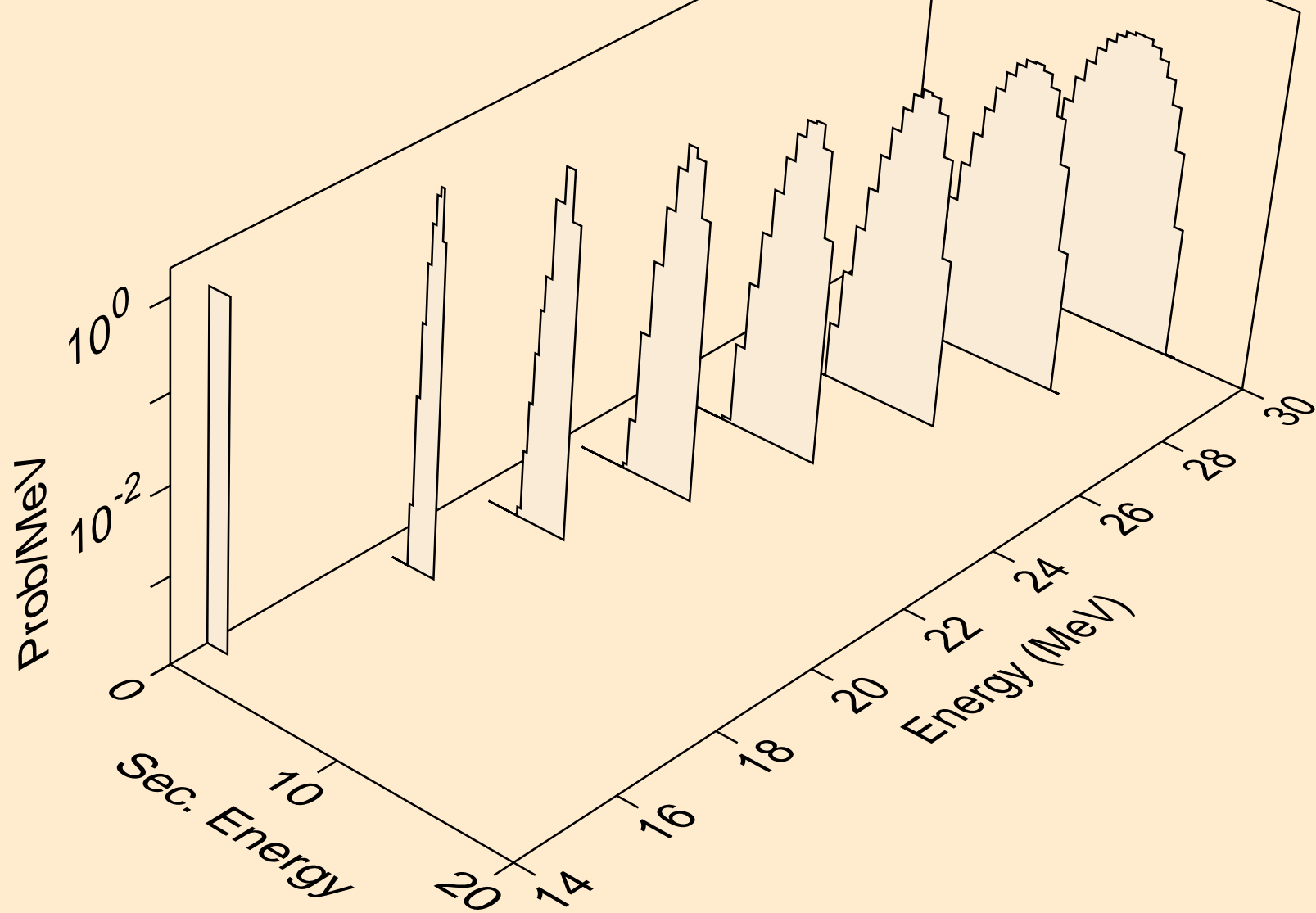
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neutrons from (p,2np)



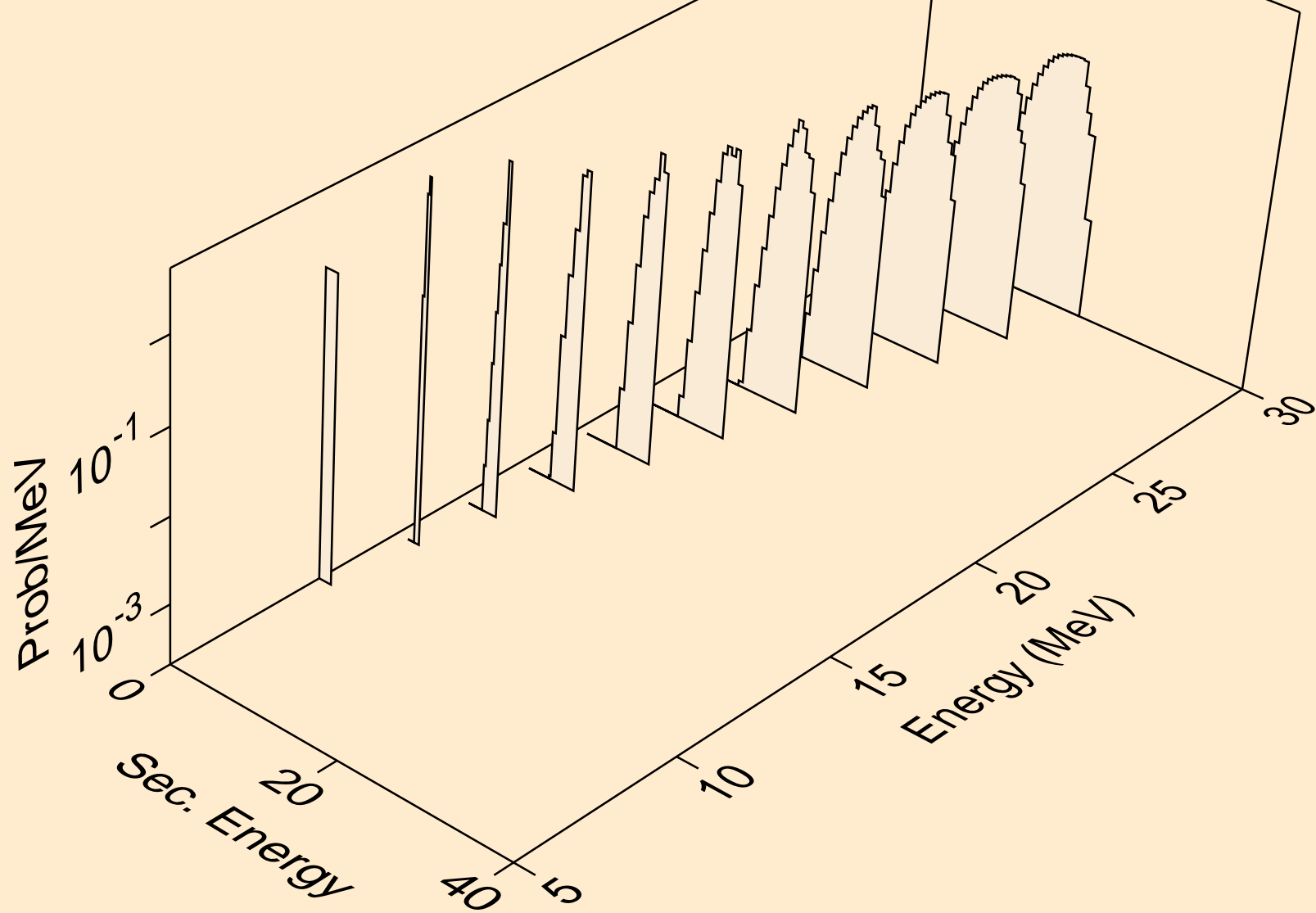
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,x)



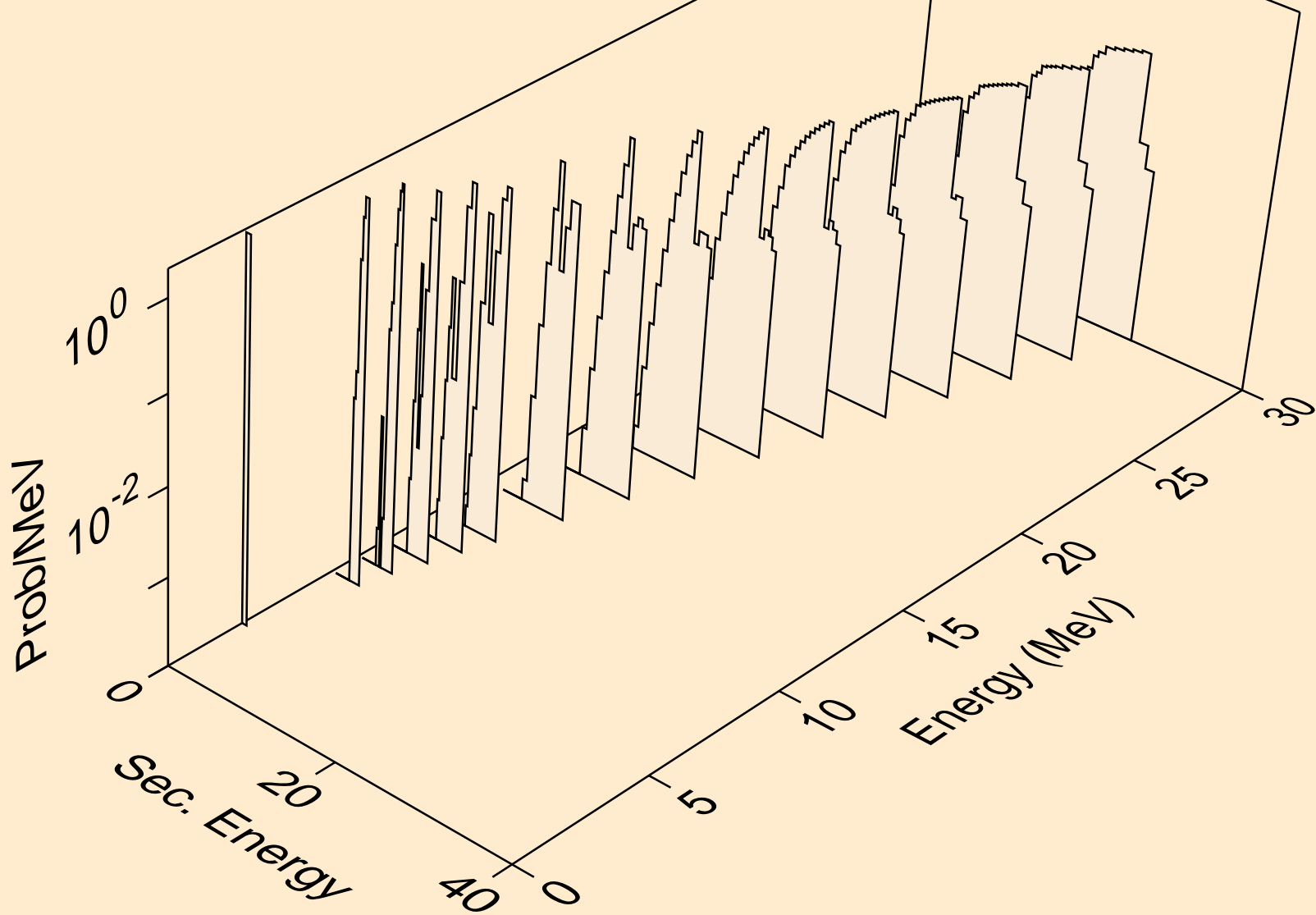
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deuterons from (p,2nd)



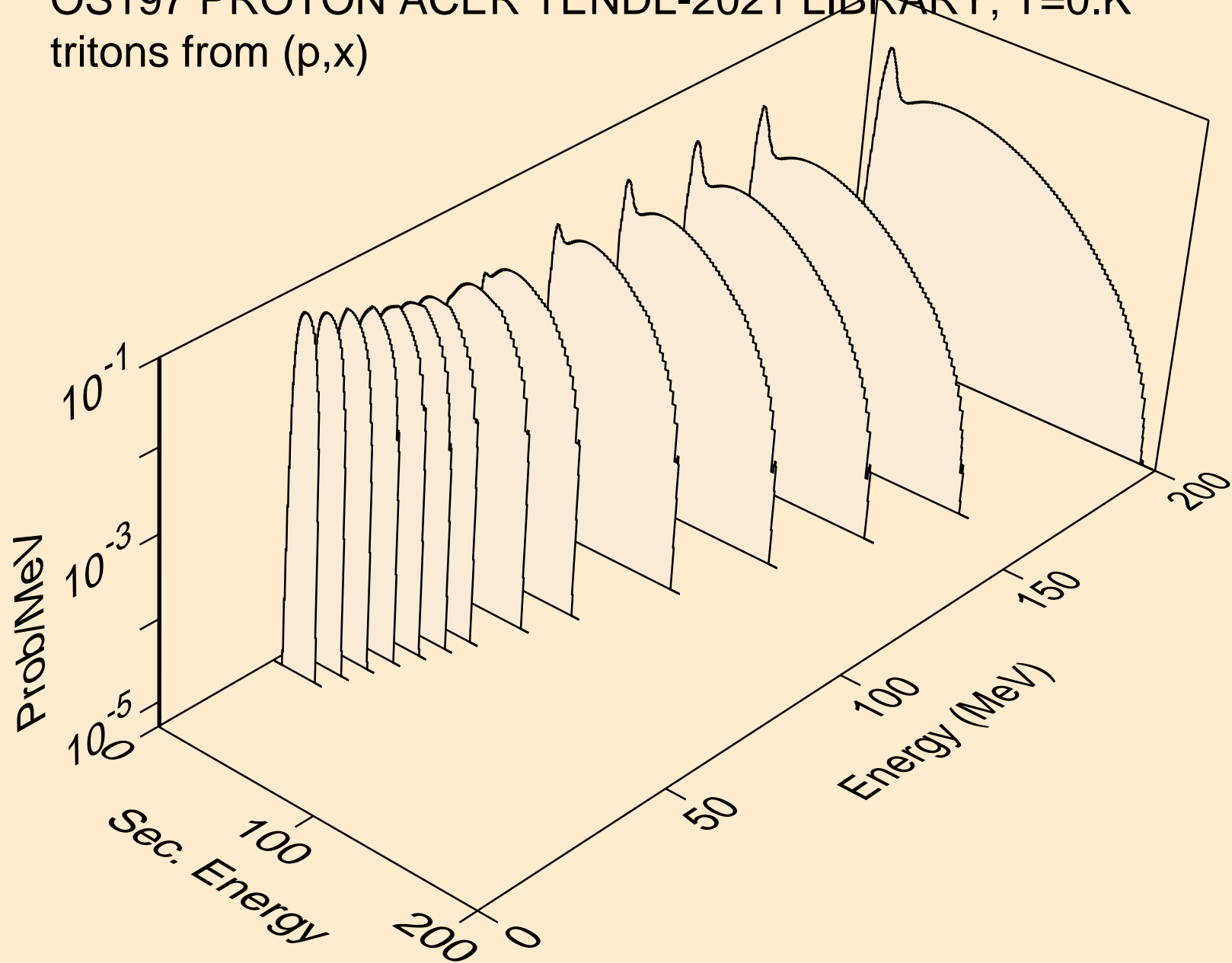
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,n\*)d



OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,d)

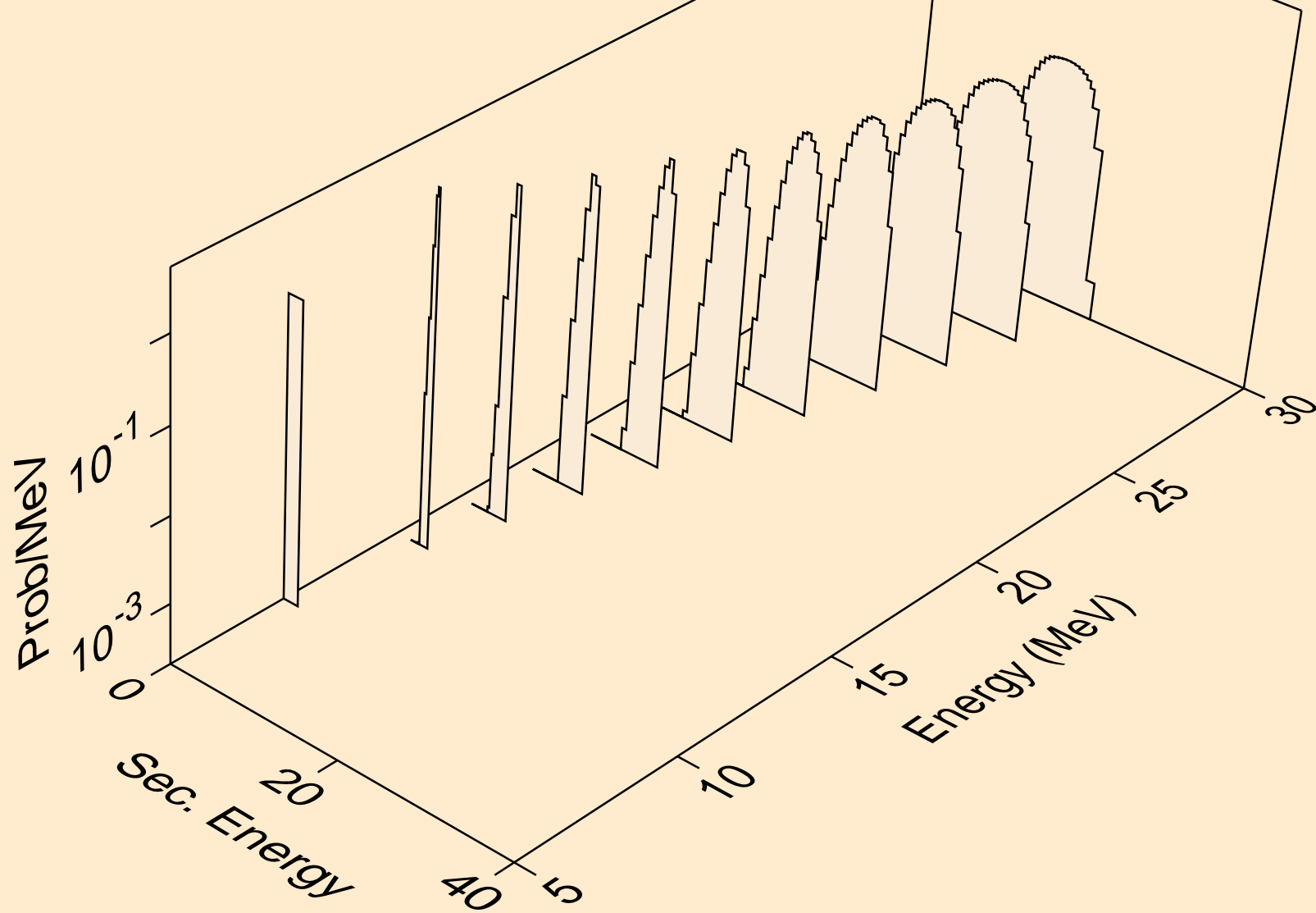


OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,x)

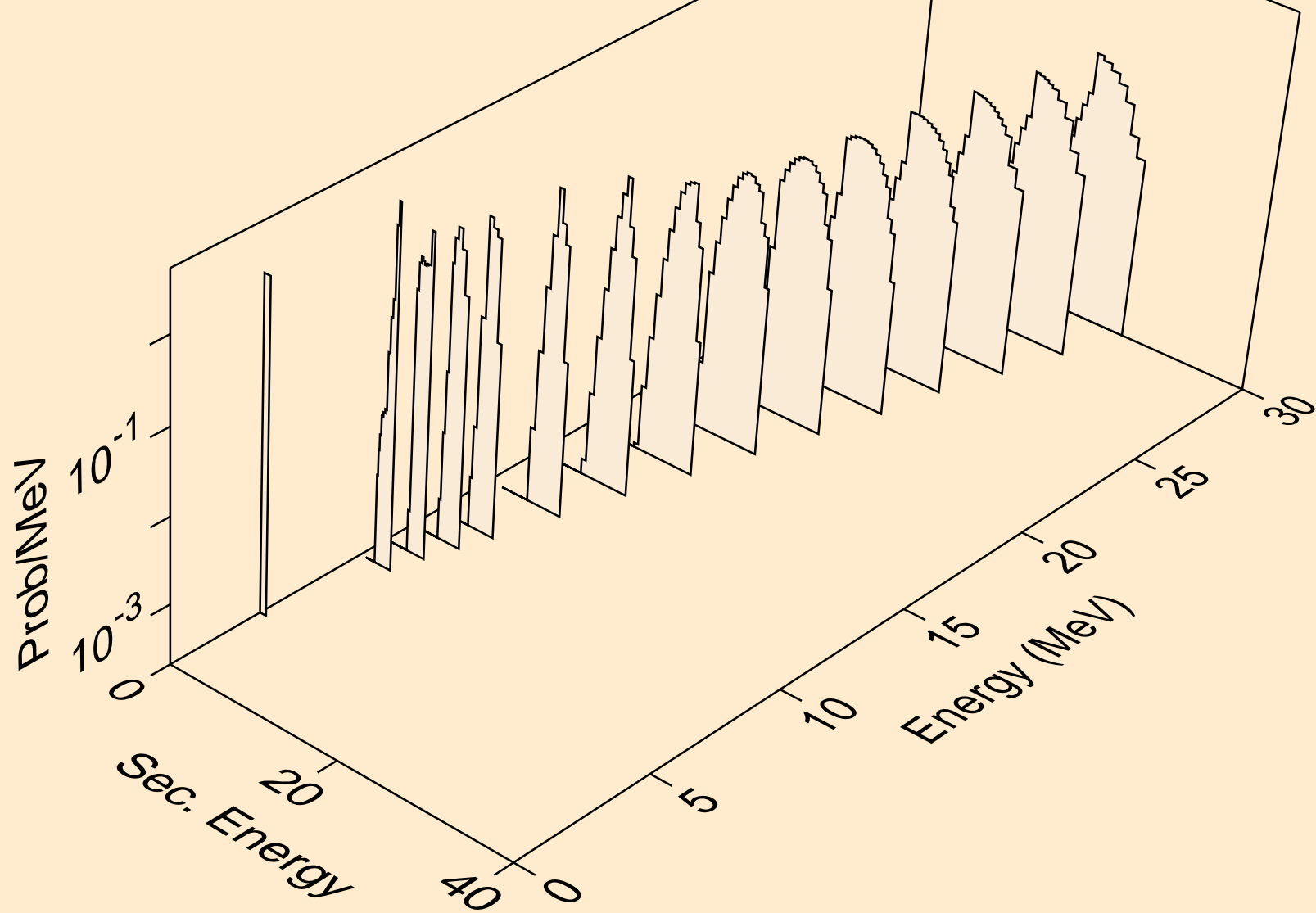




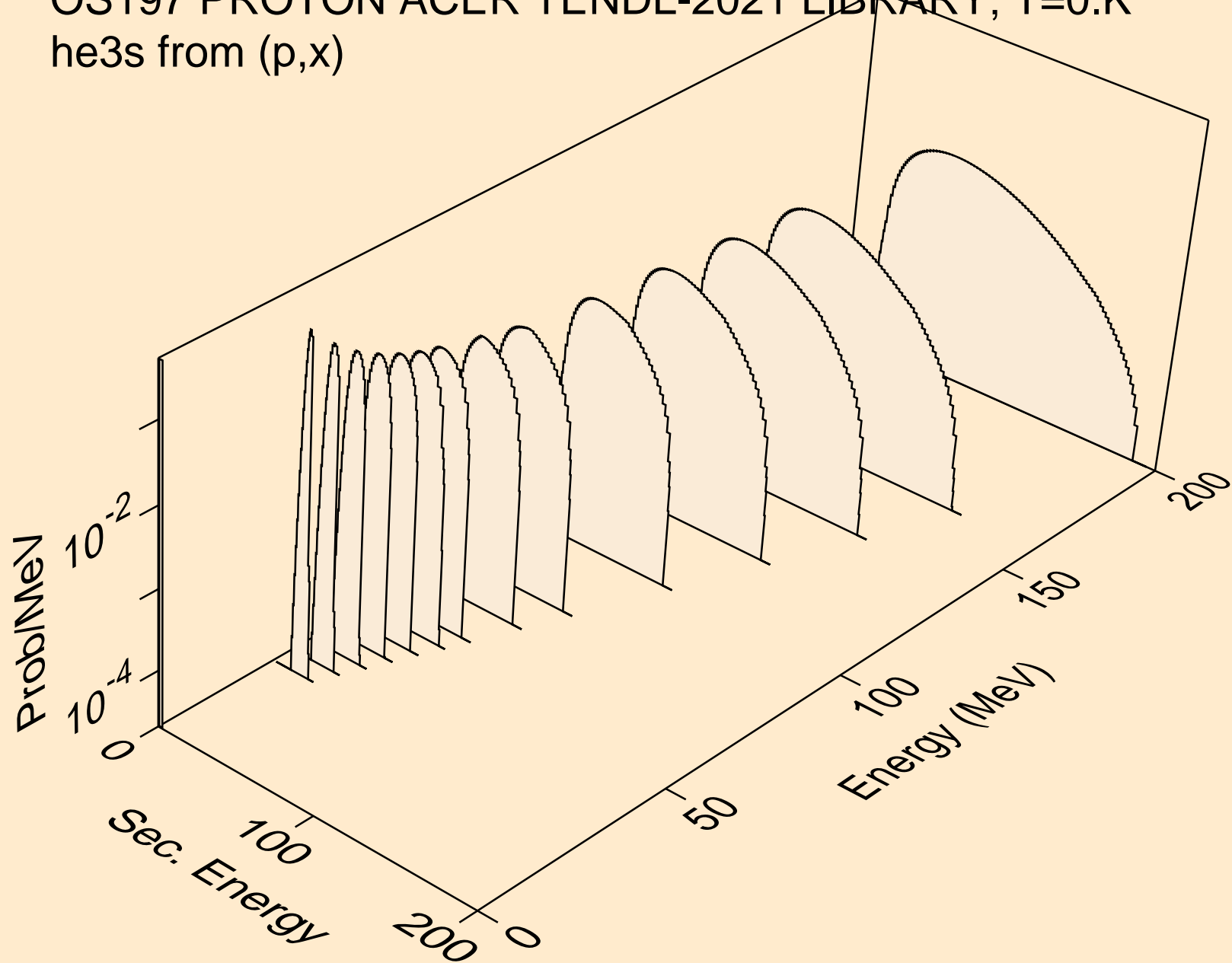
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,n\*)t



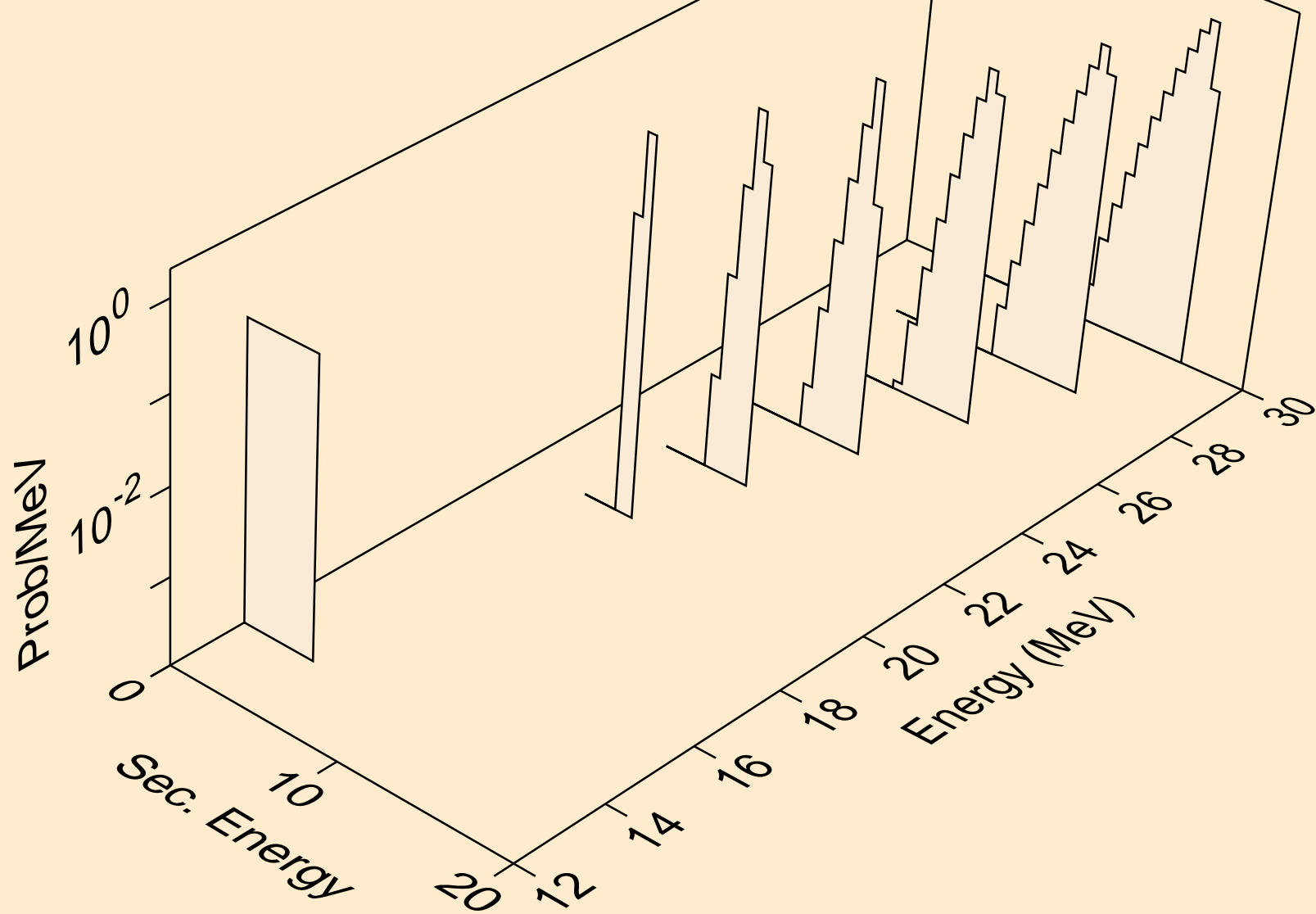
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,t)



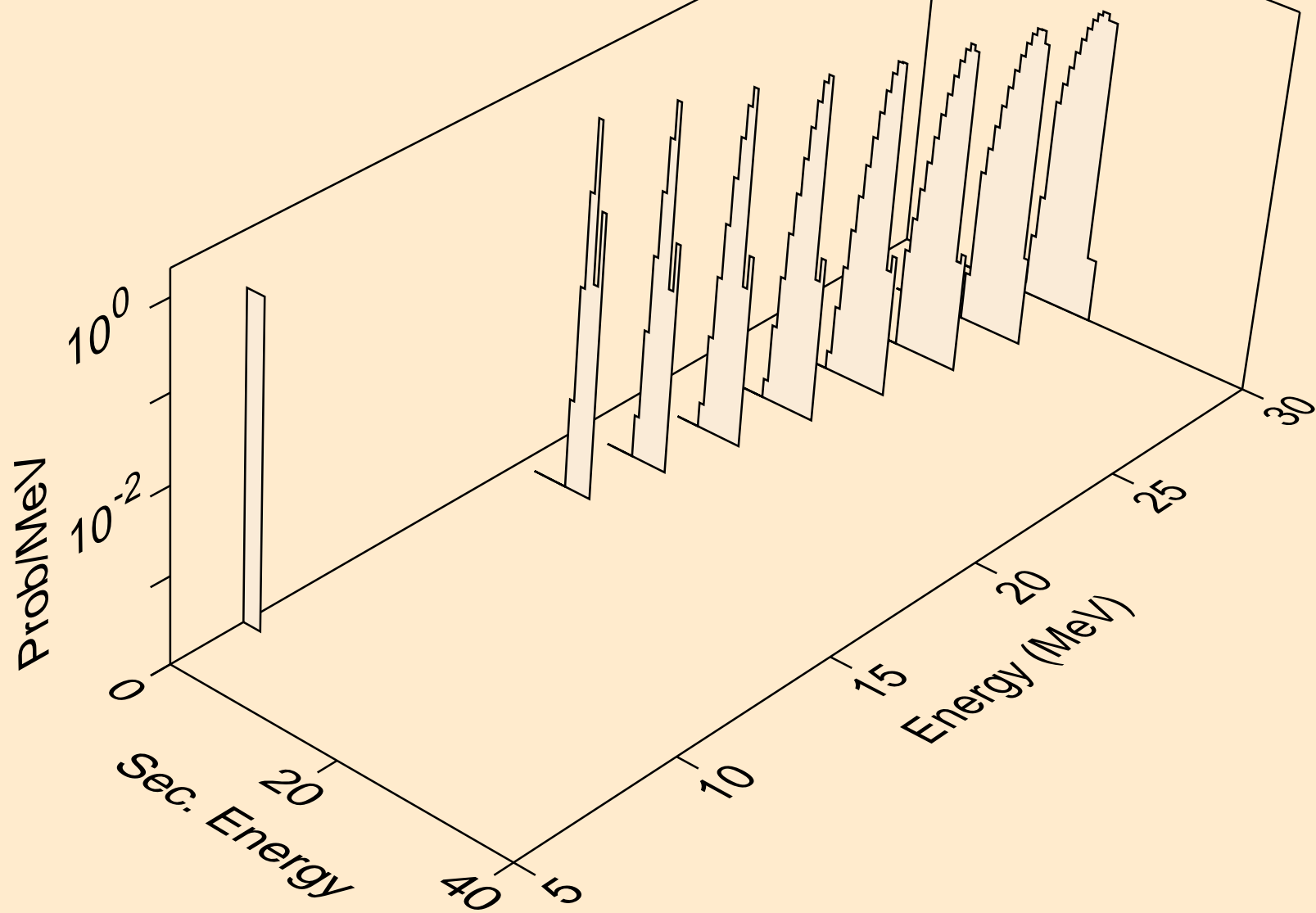
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,x)



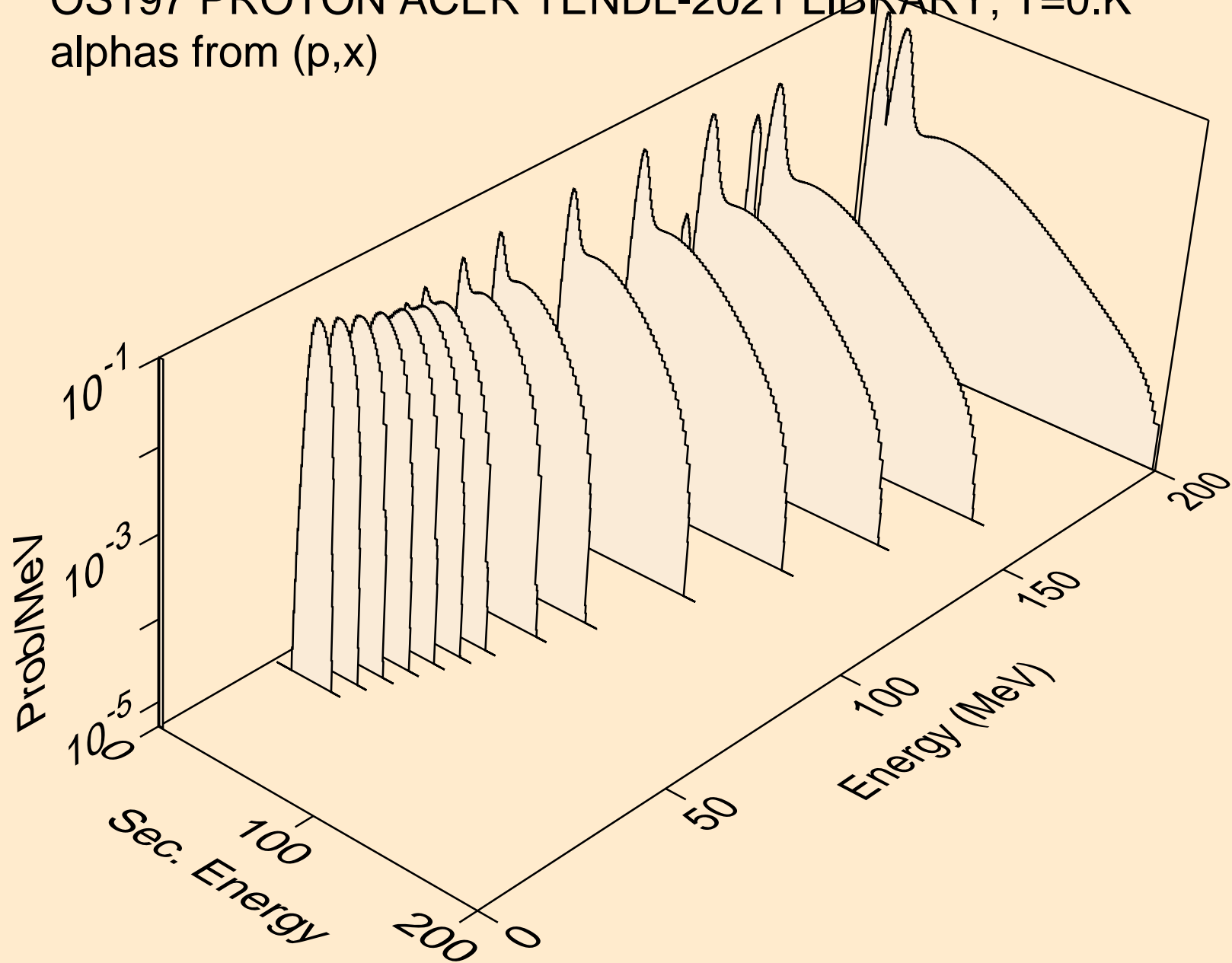
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,n\*)he3



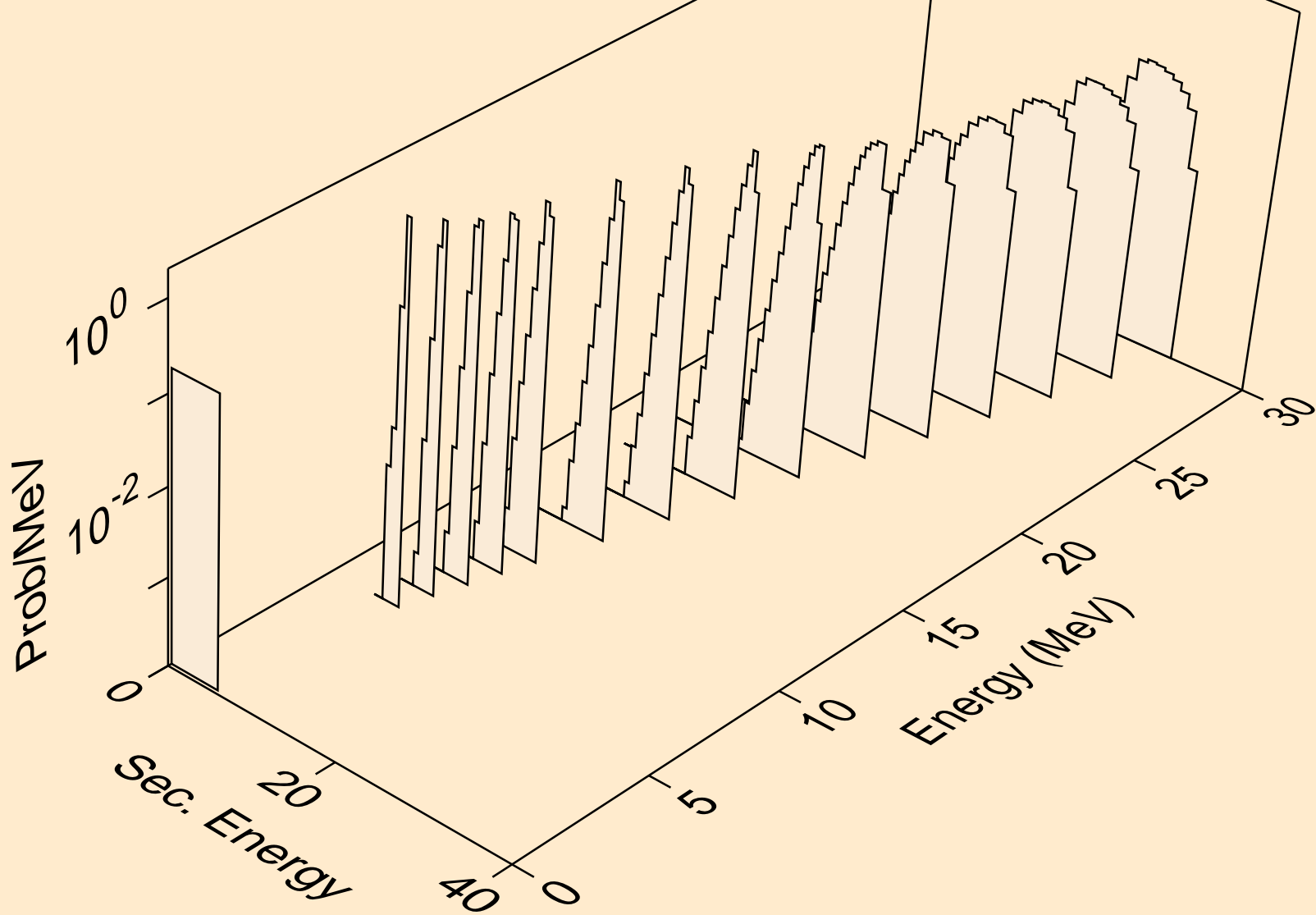
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,he3)



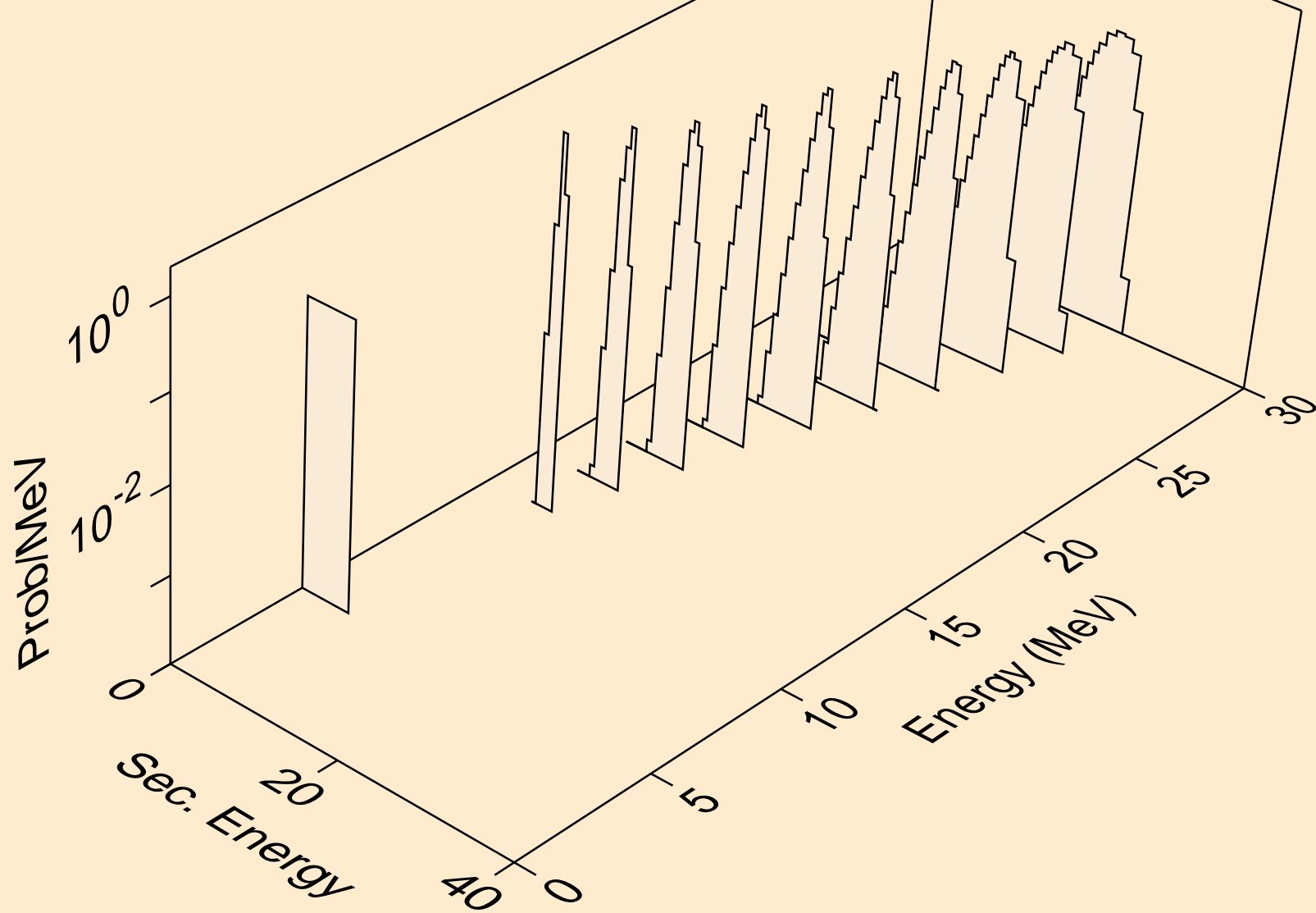
OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,x)



OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)a

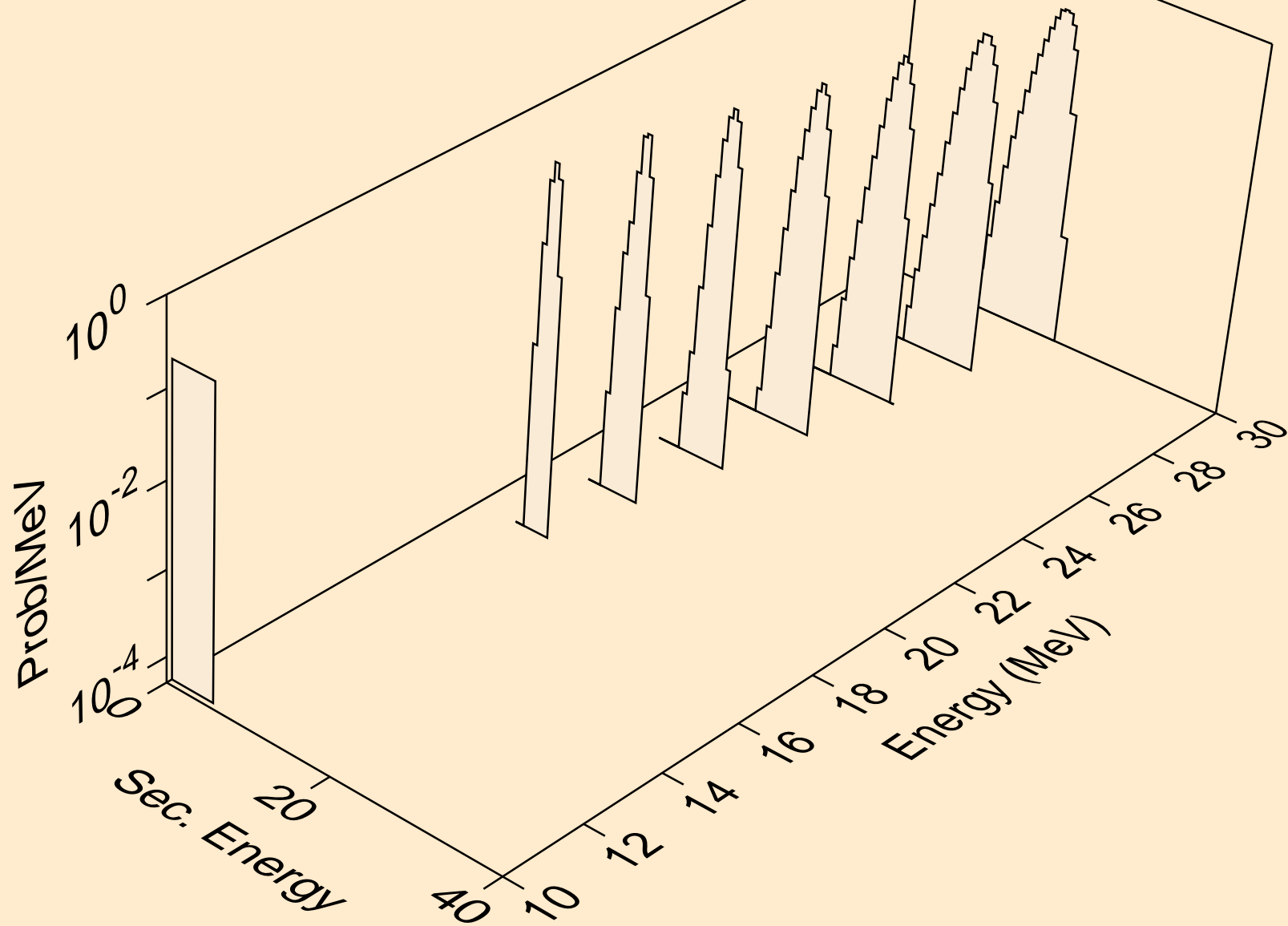


OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2n)a





OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,3n)a



OS197 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,a)

