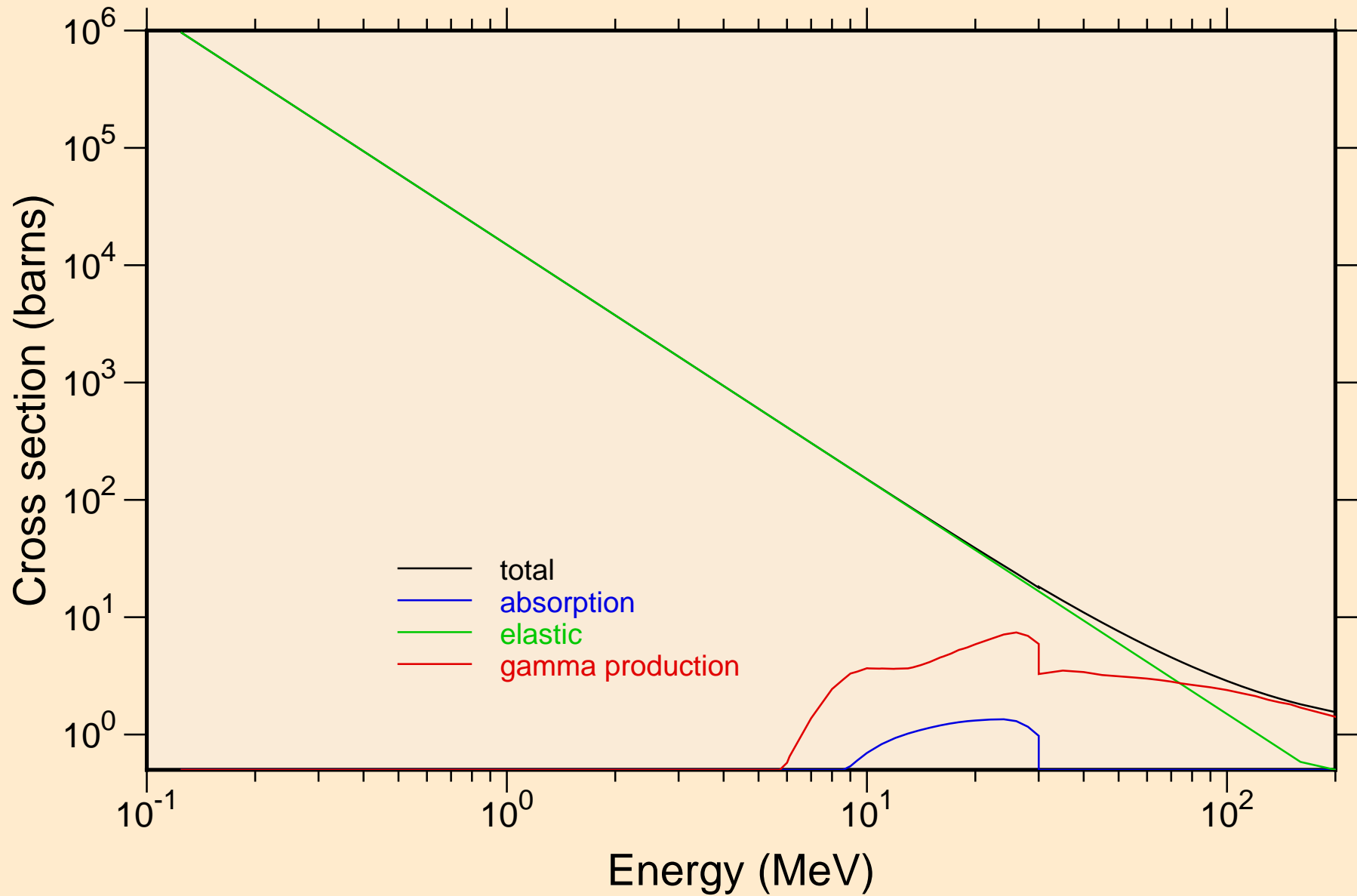


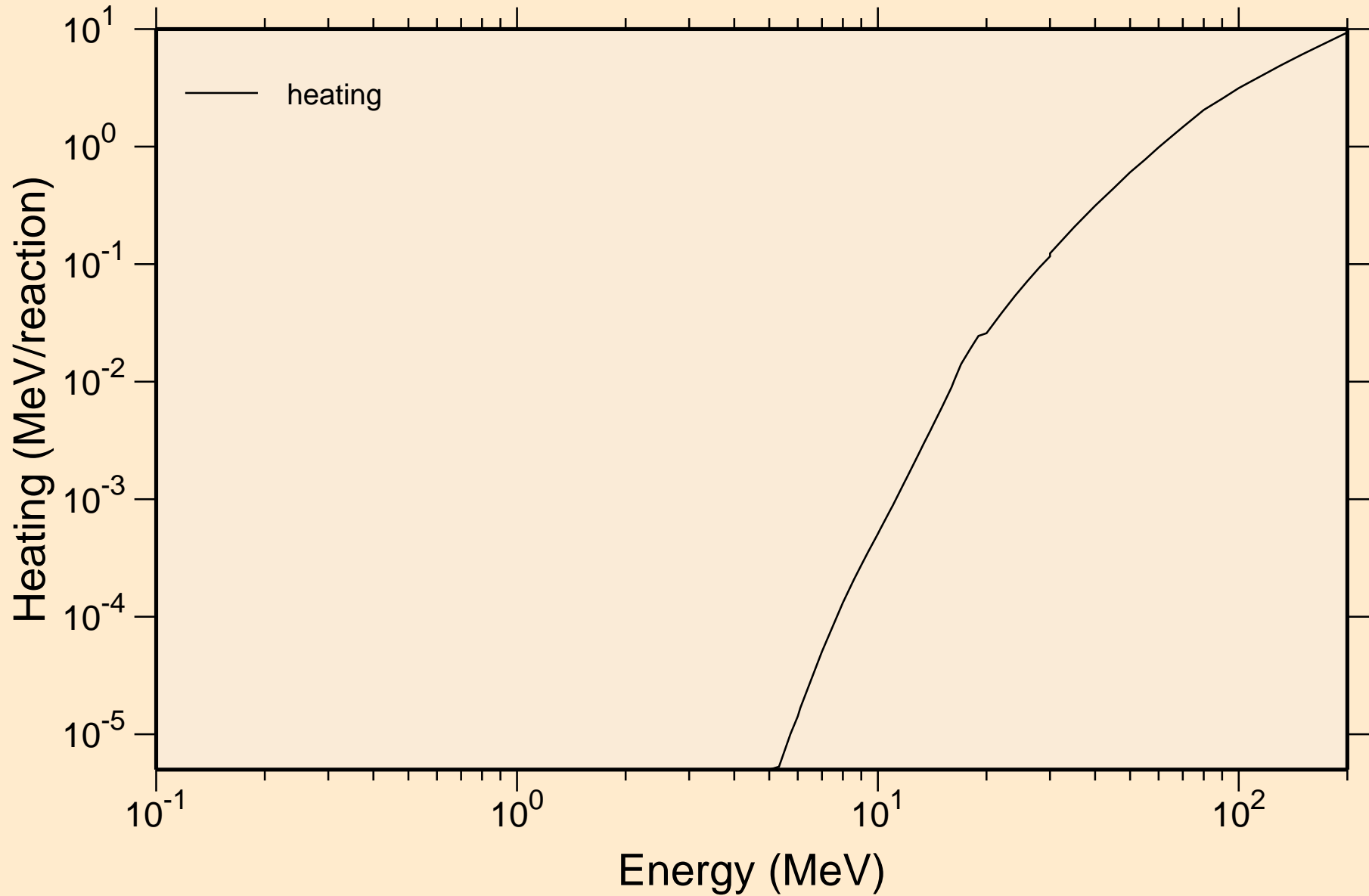
# IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



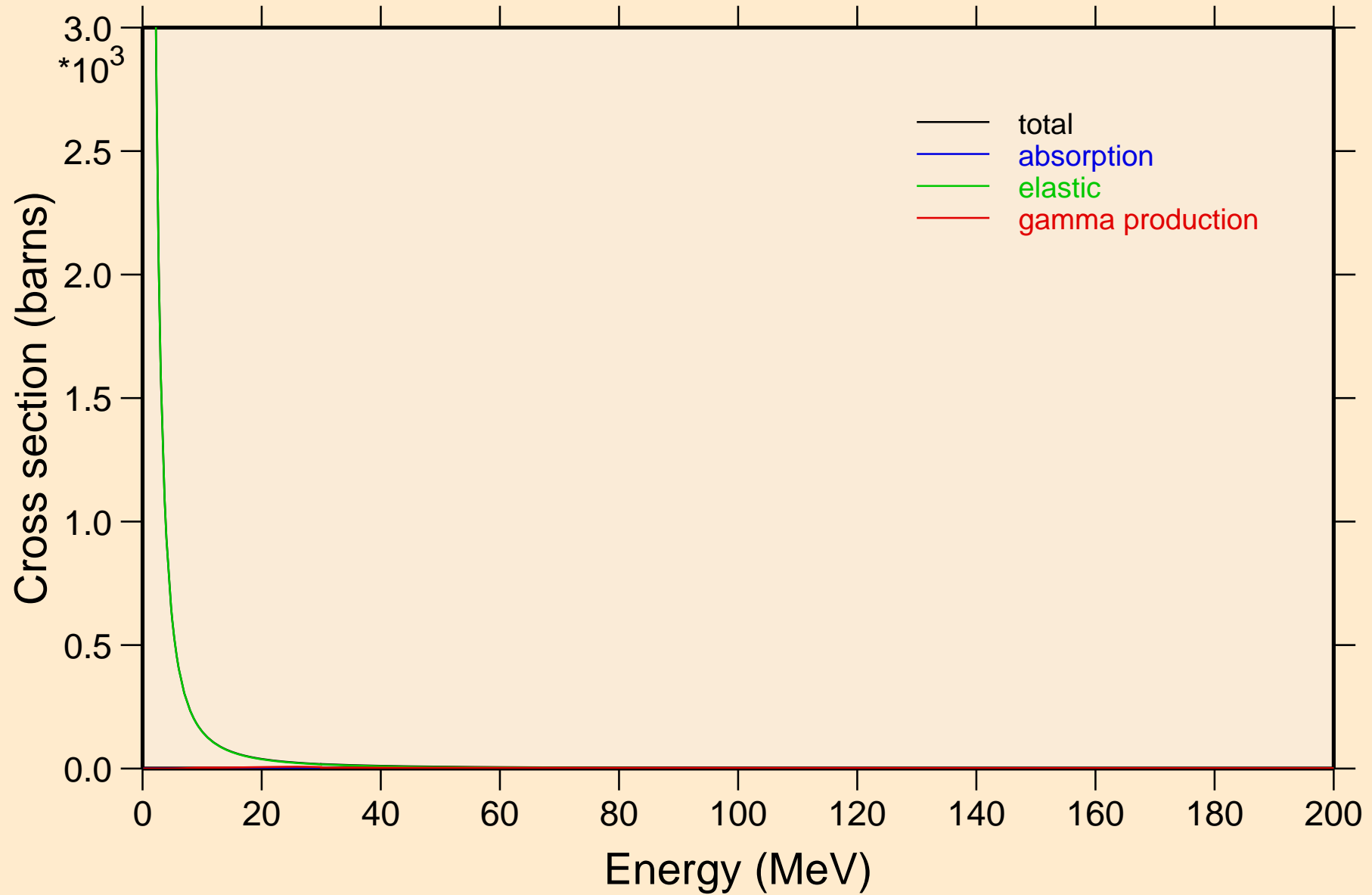
# IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



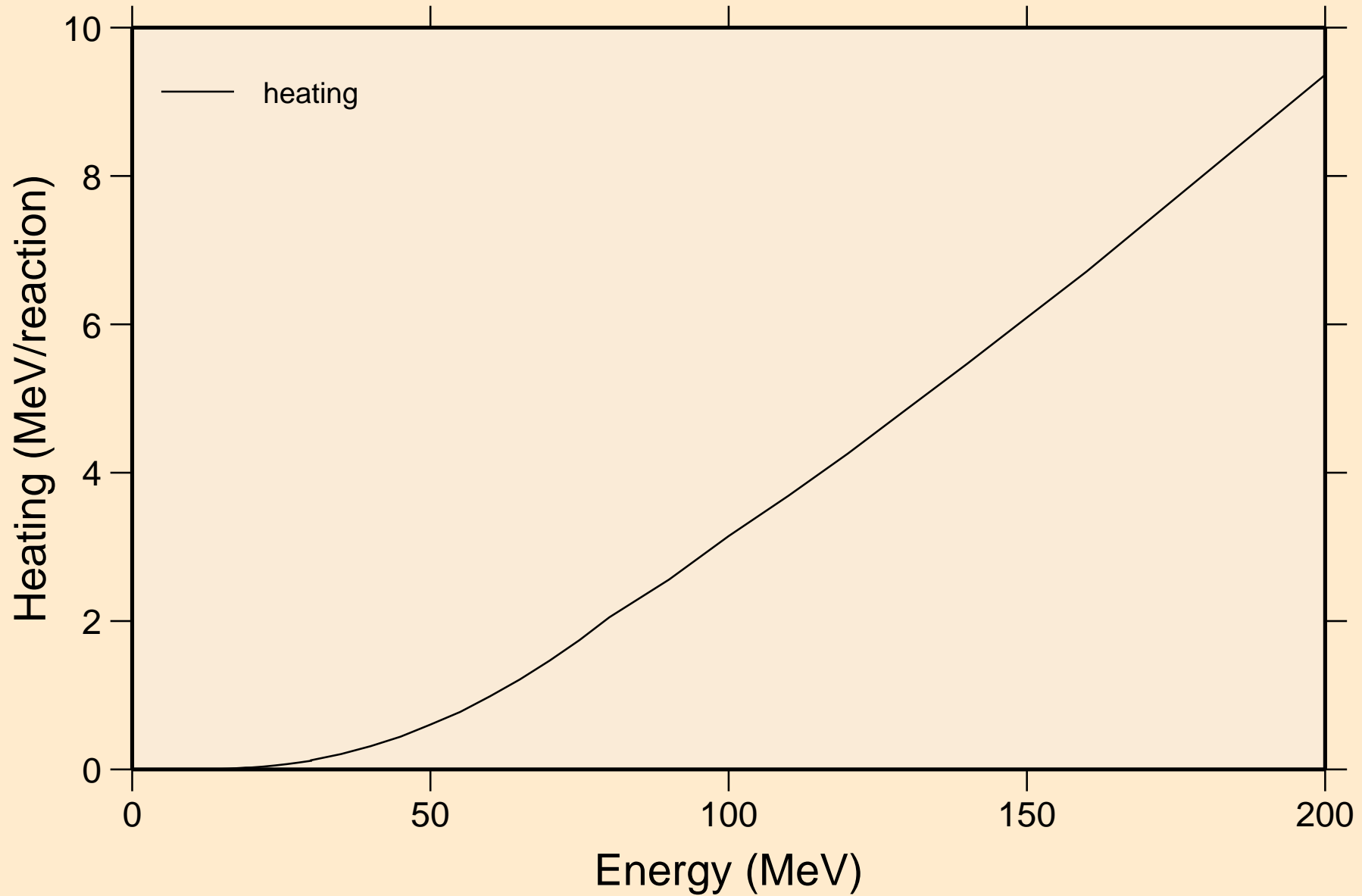
# IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



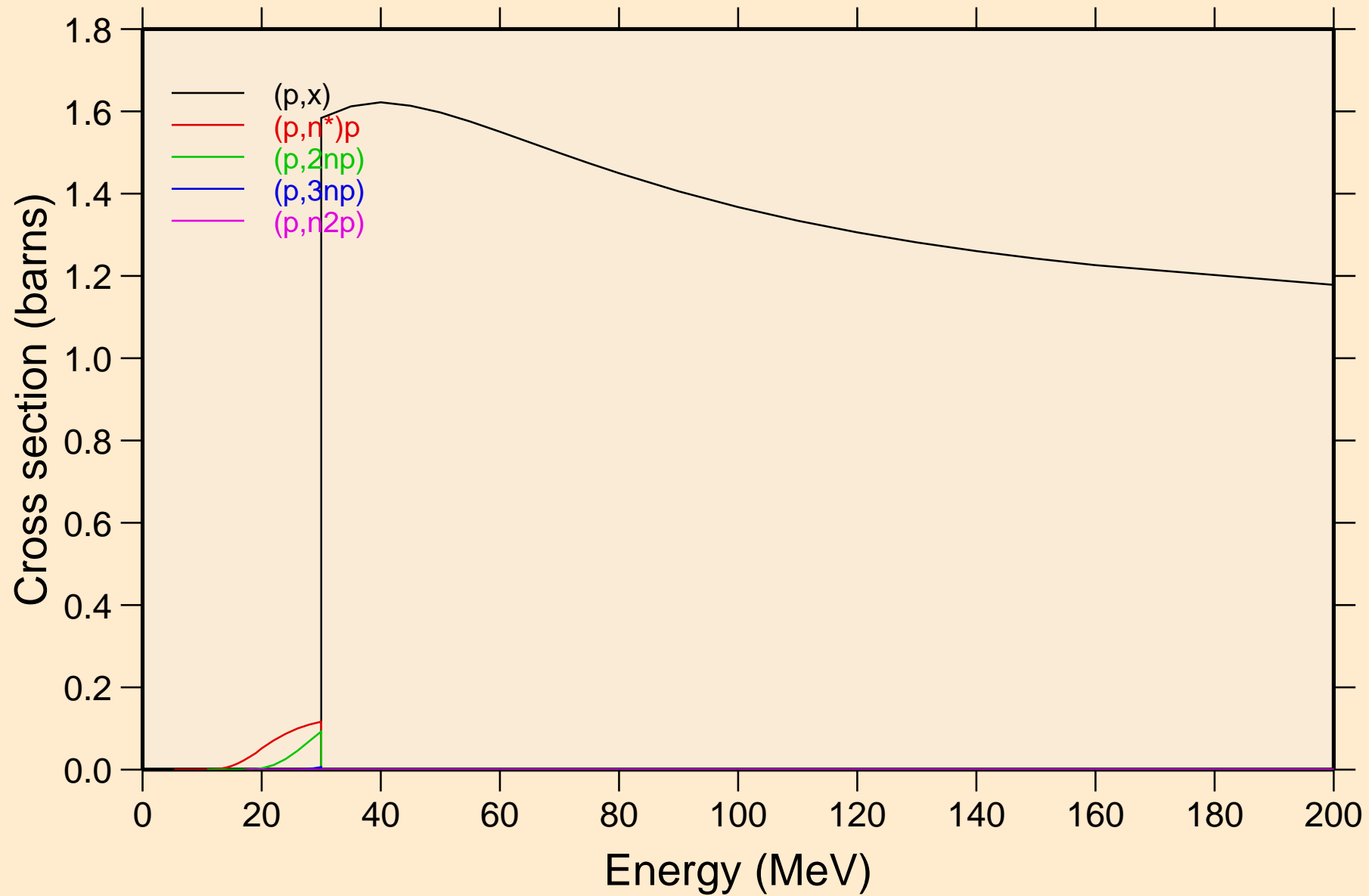
# IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



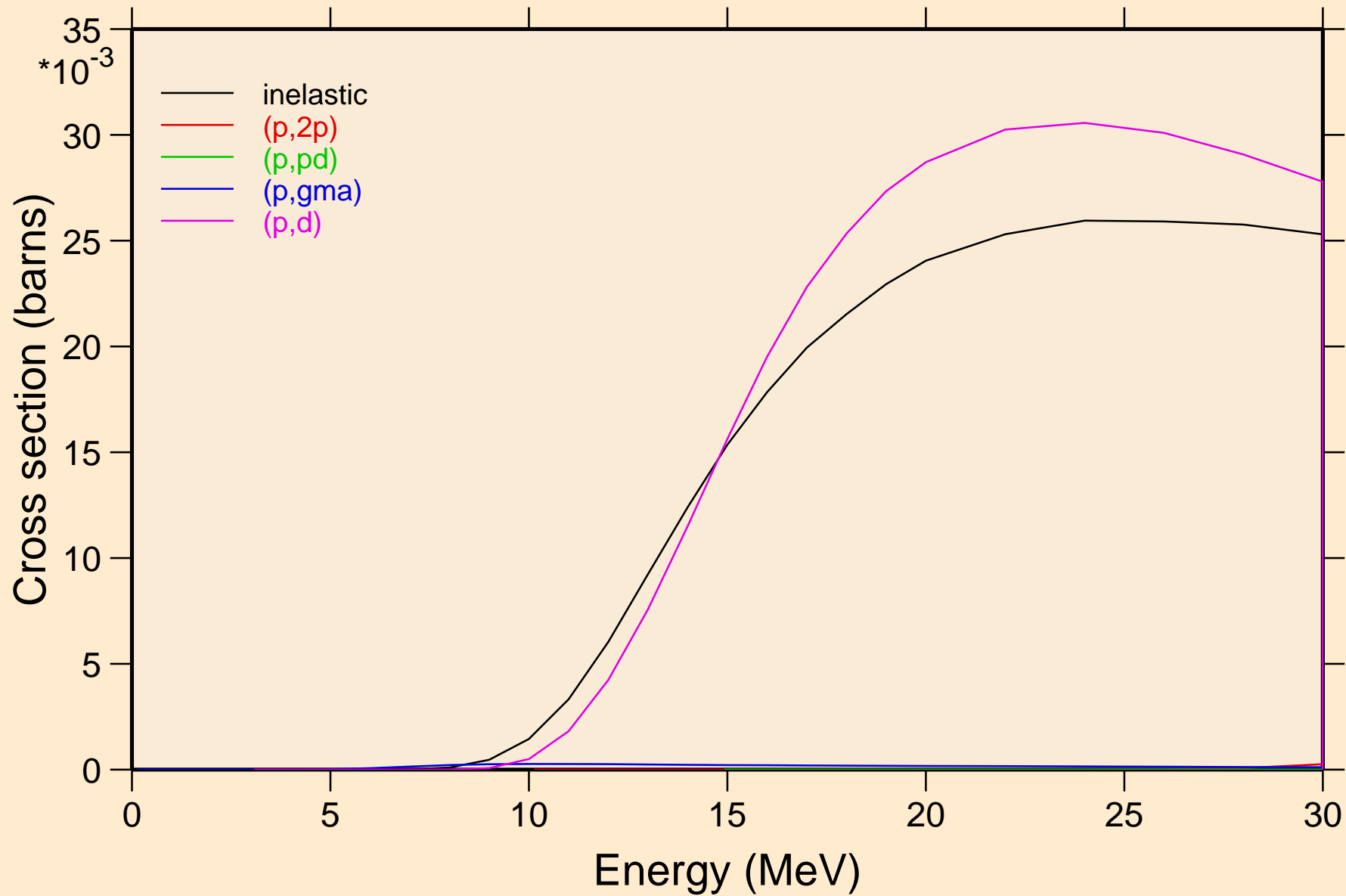
# IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

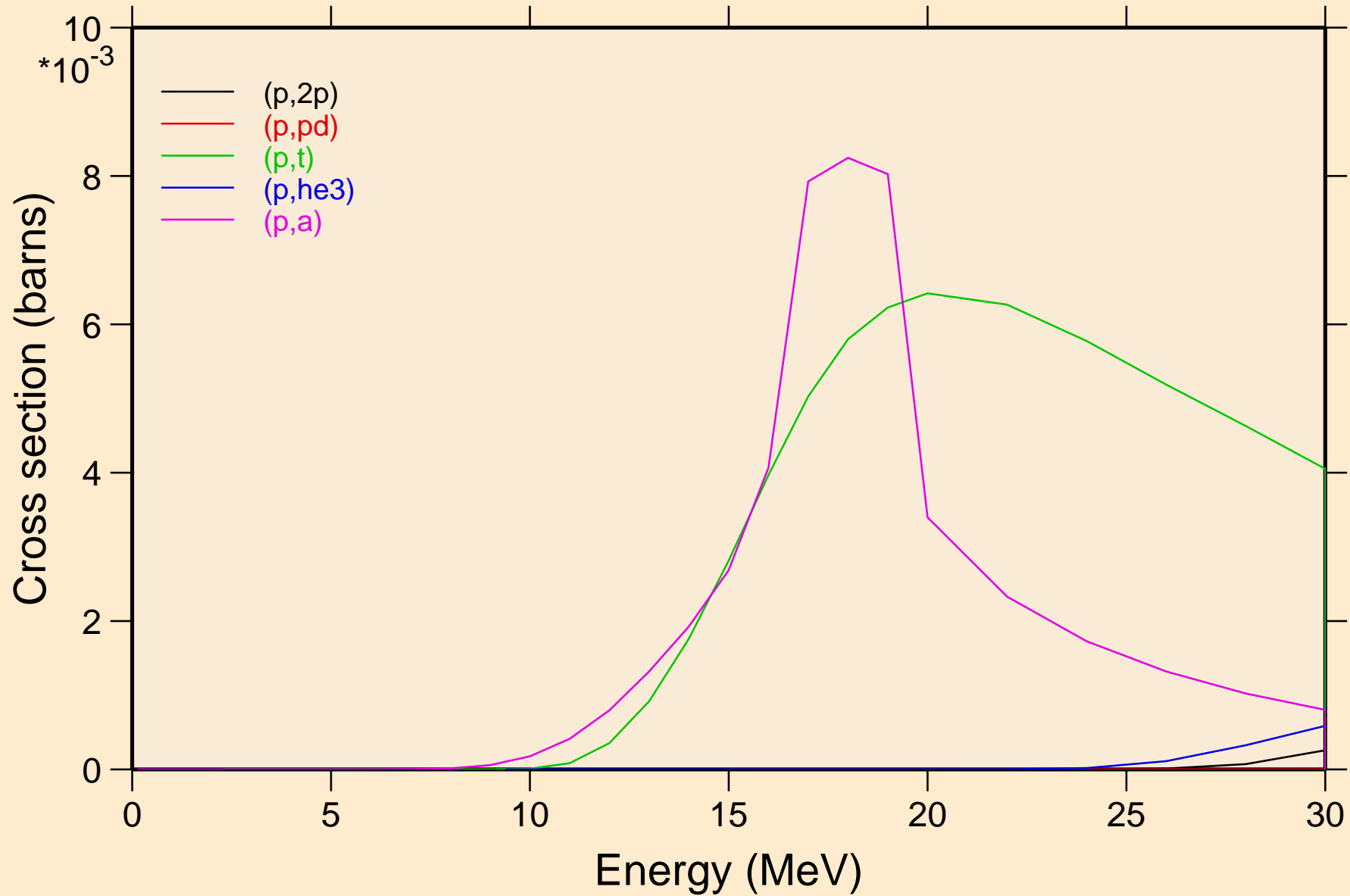


# IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K

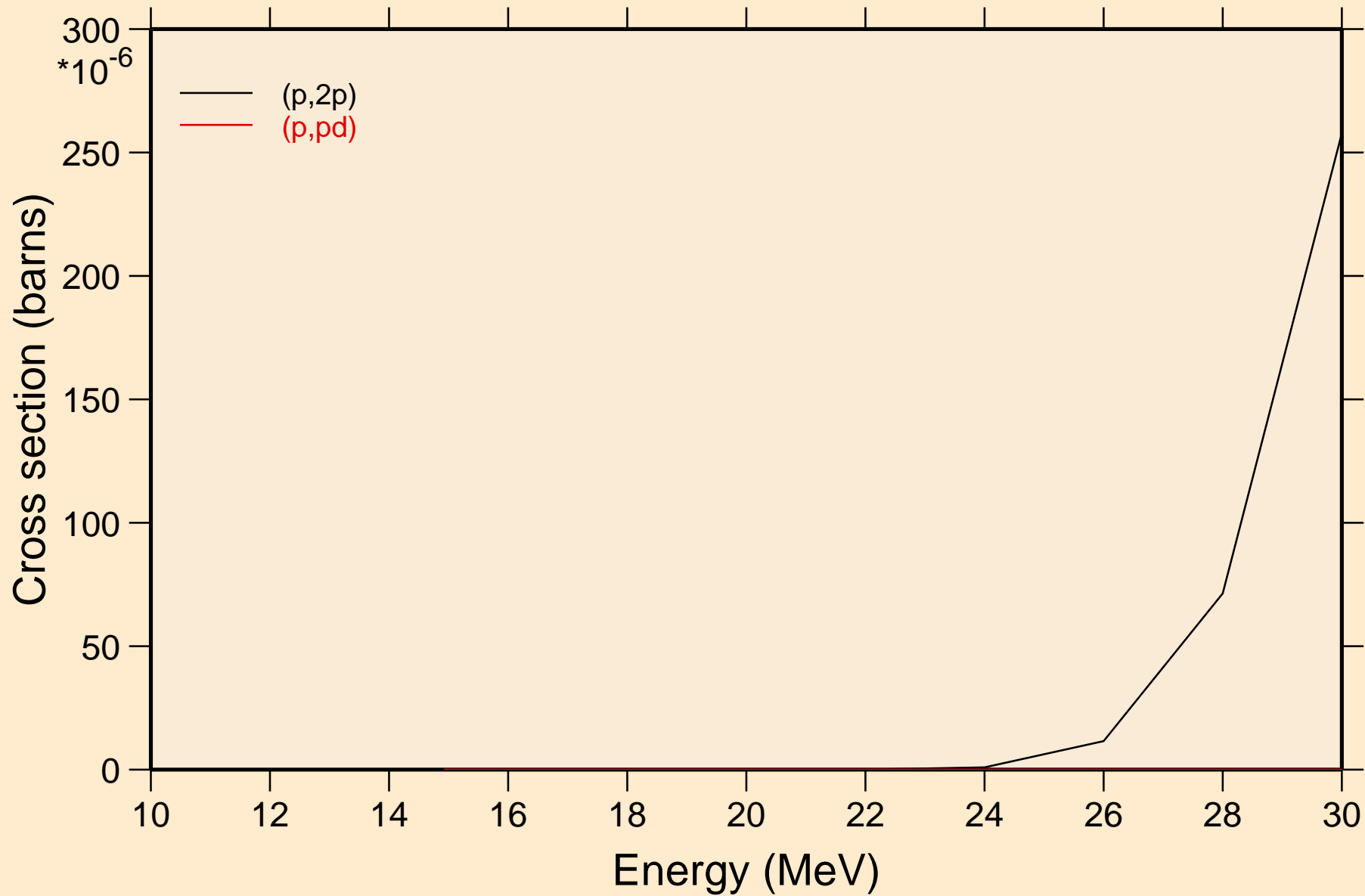
## Threshold reactions



IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

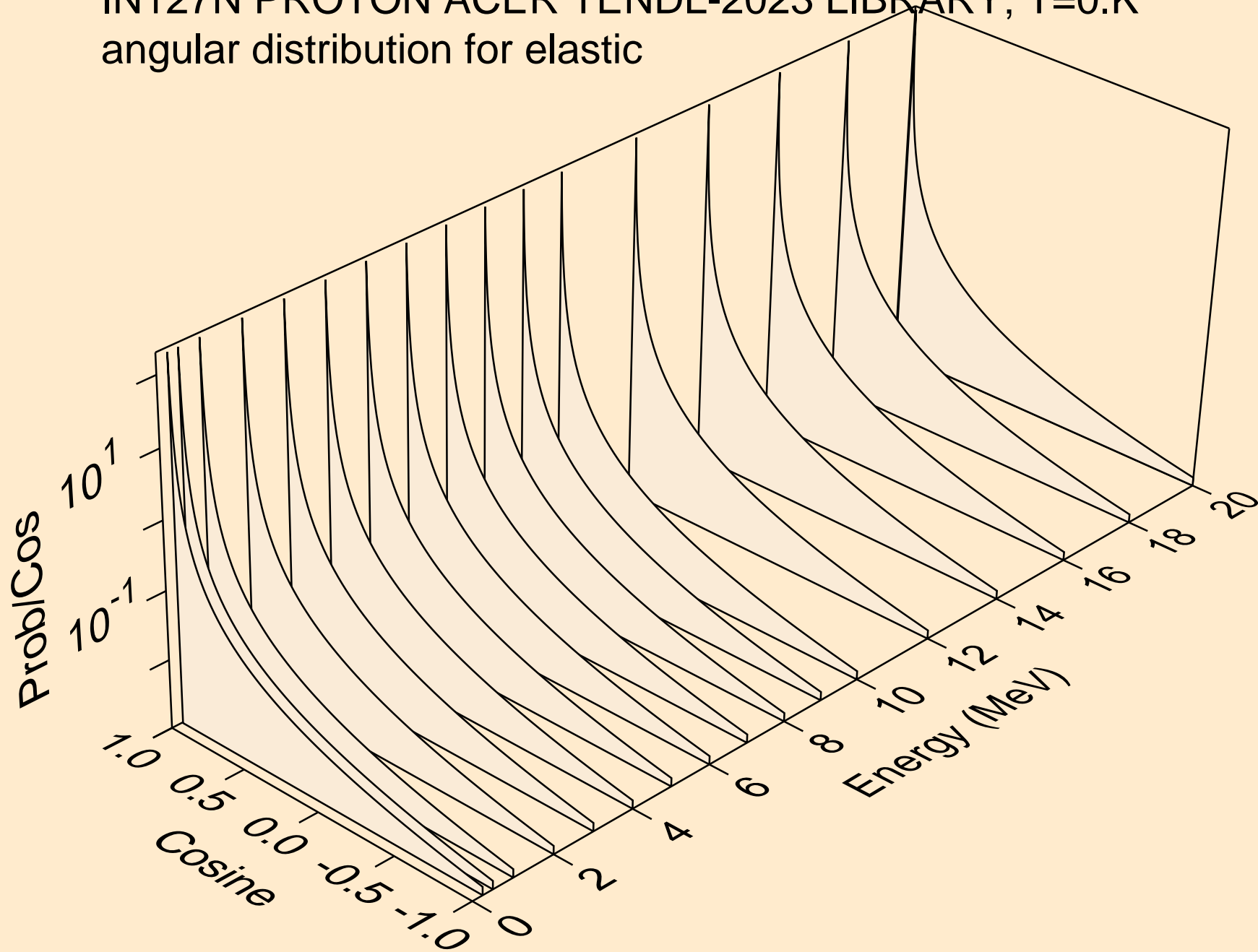


IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

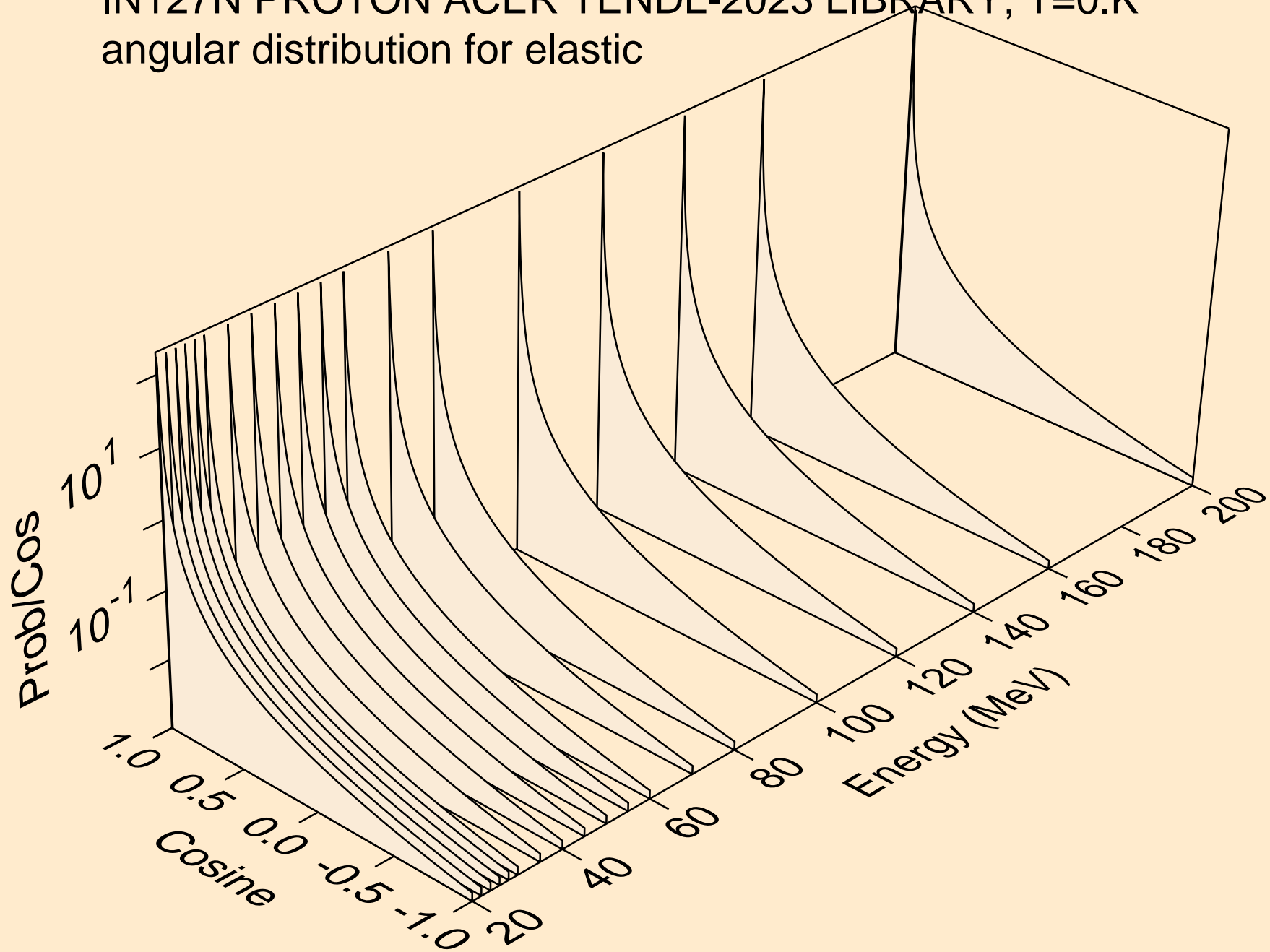




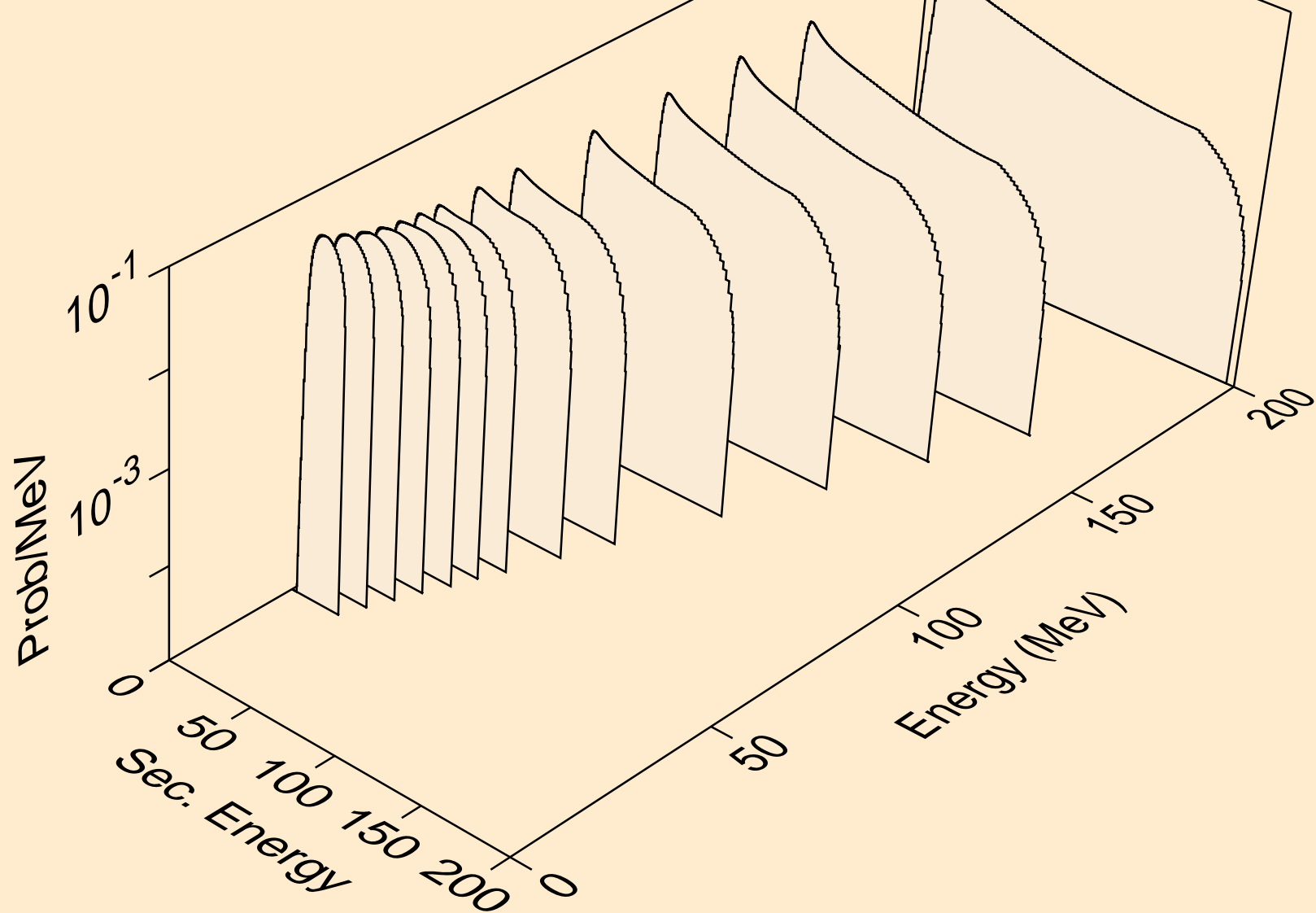
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angular distribution for elastic



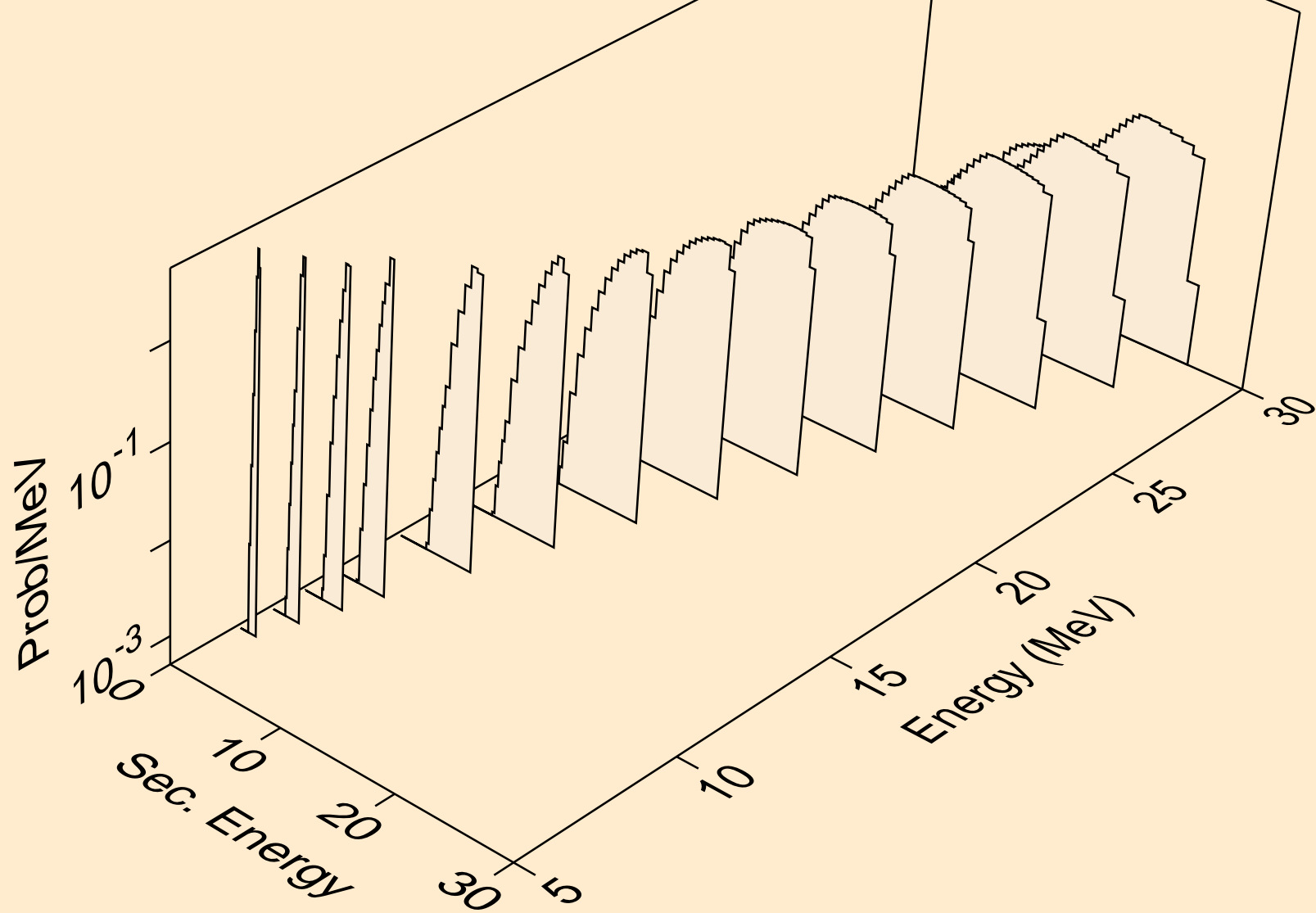
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



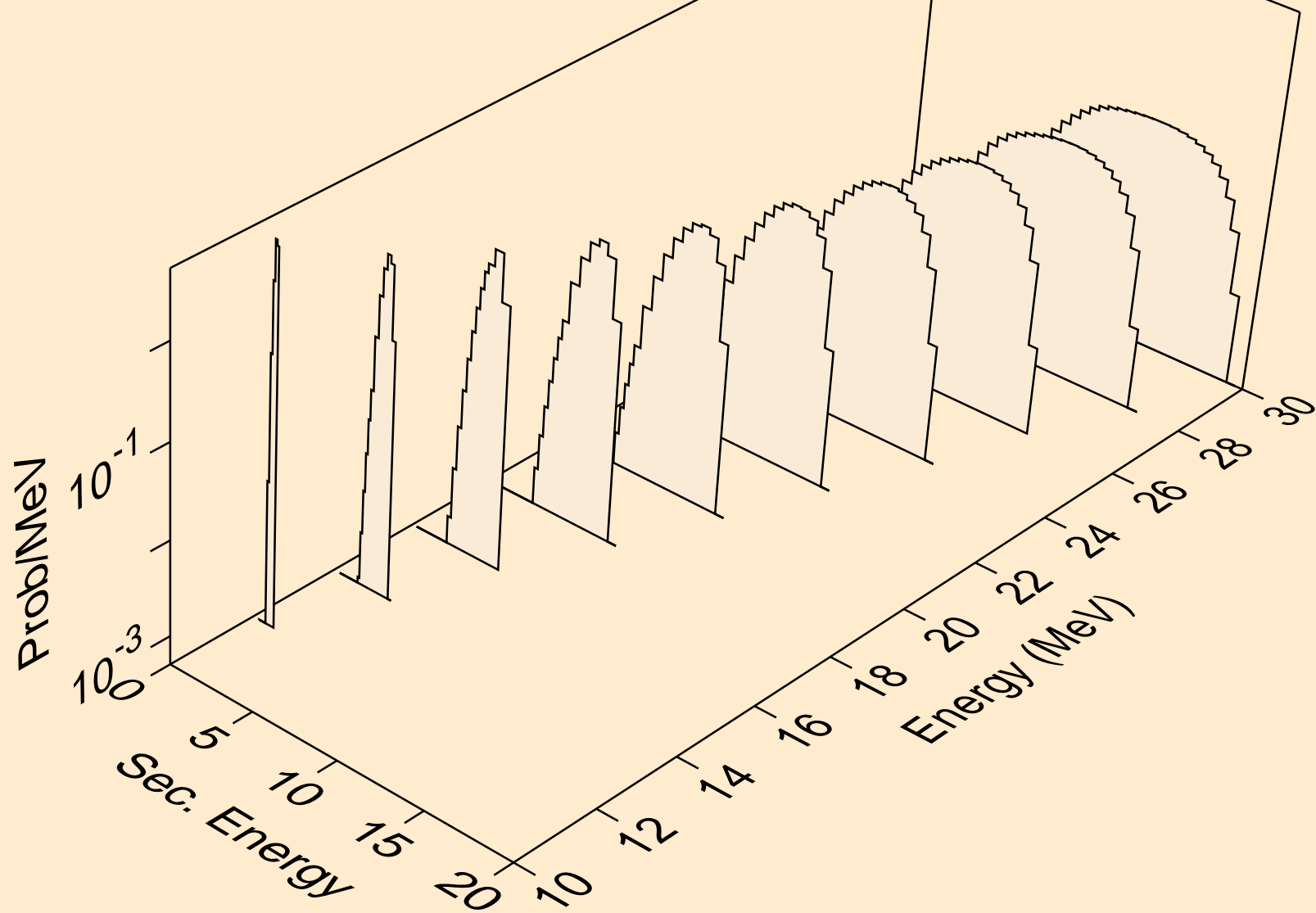
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



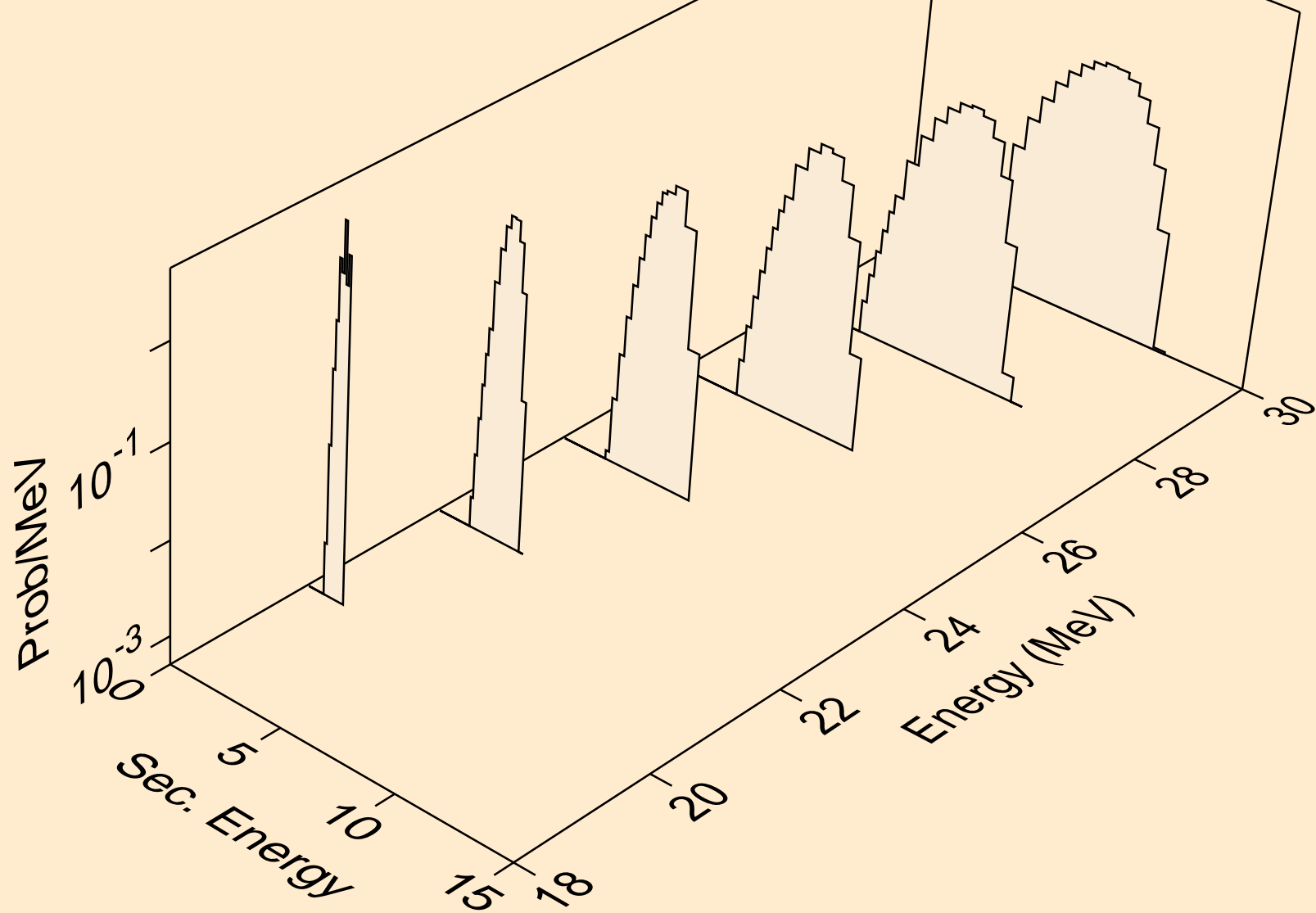
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



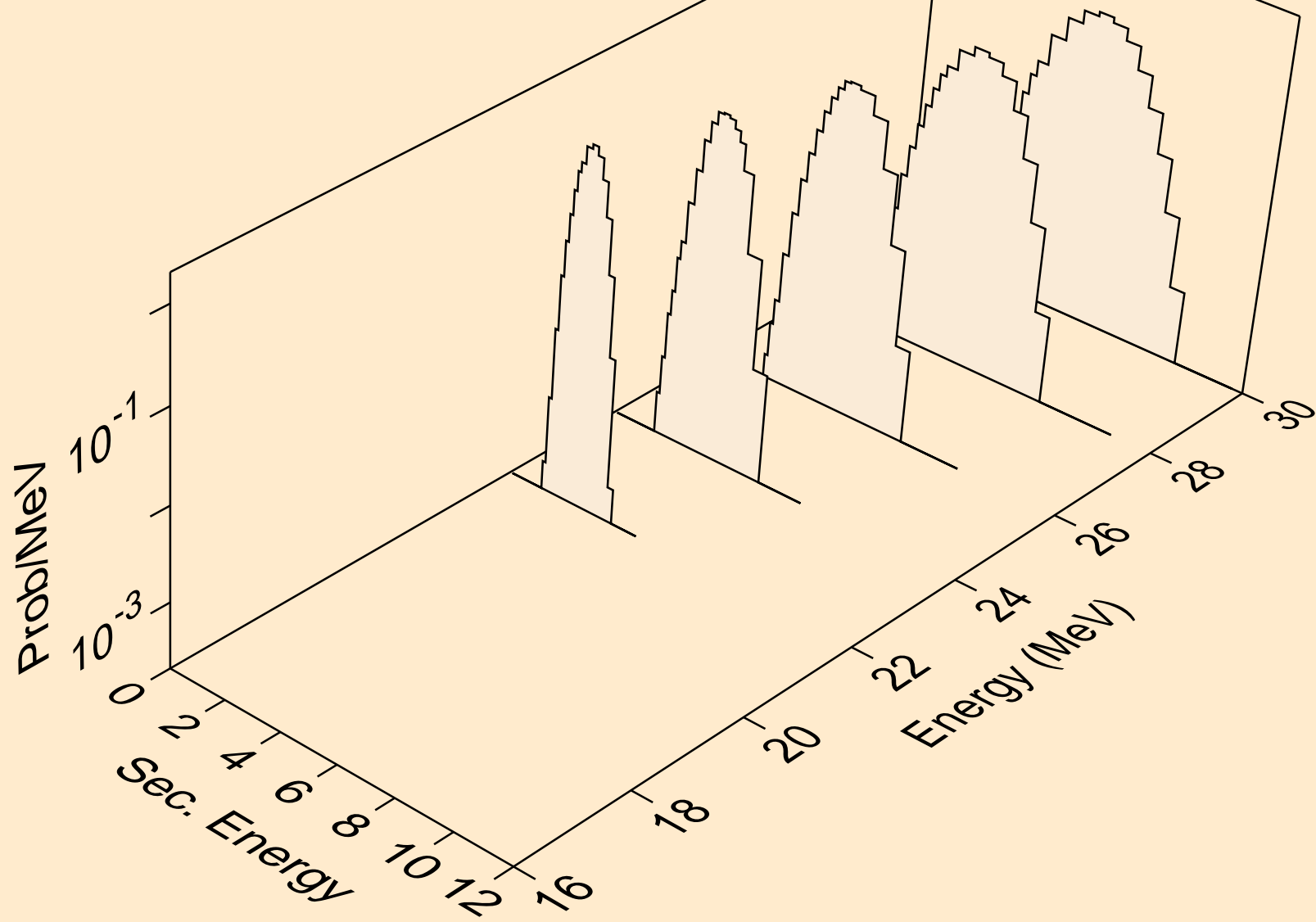
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



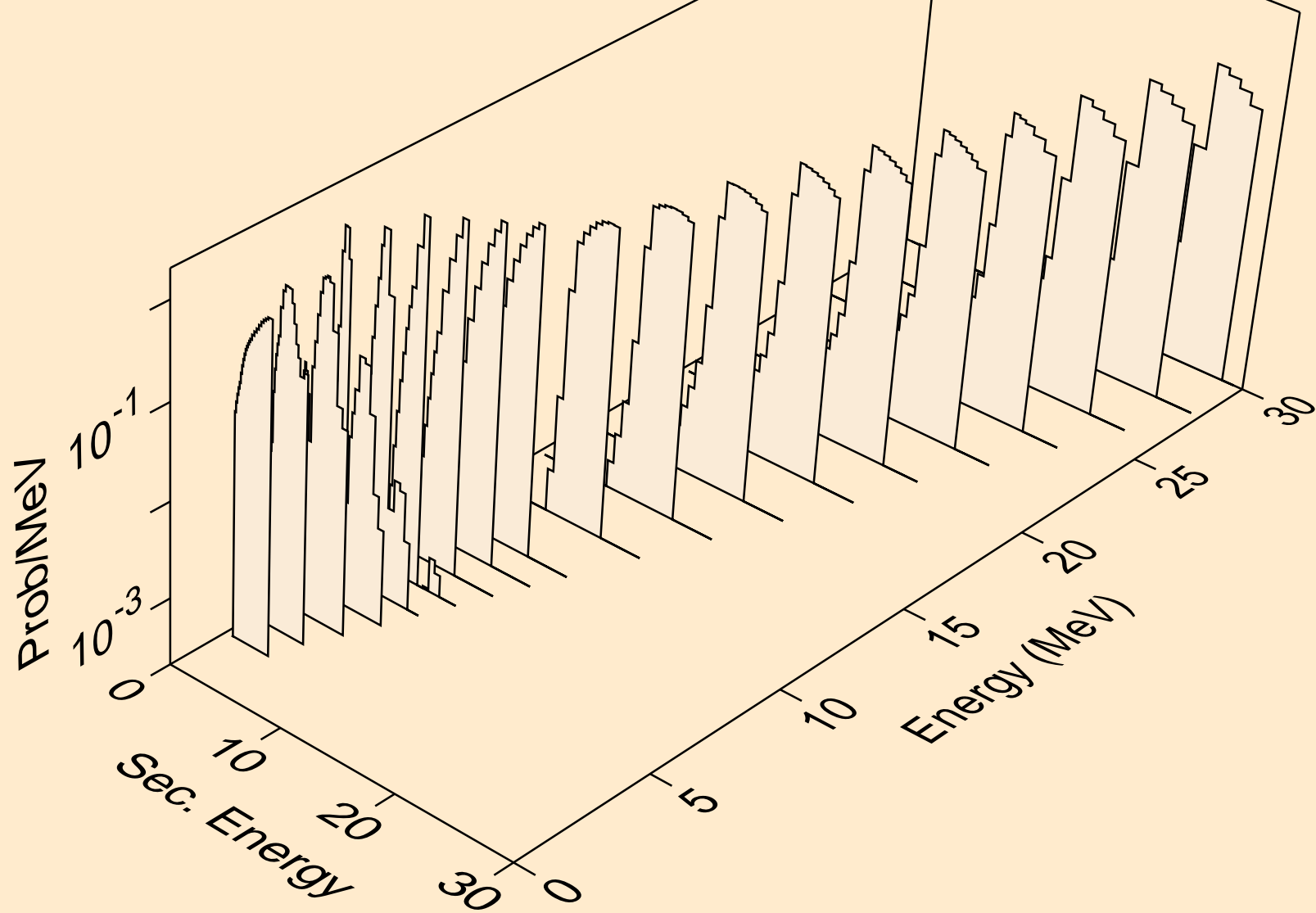
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,3np)



IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)

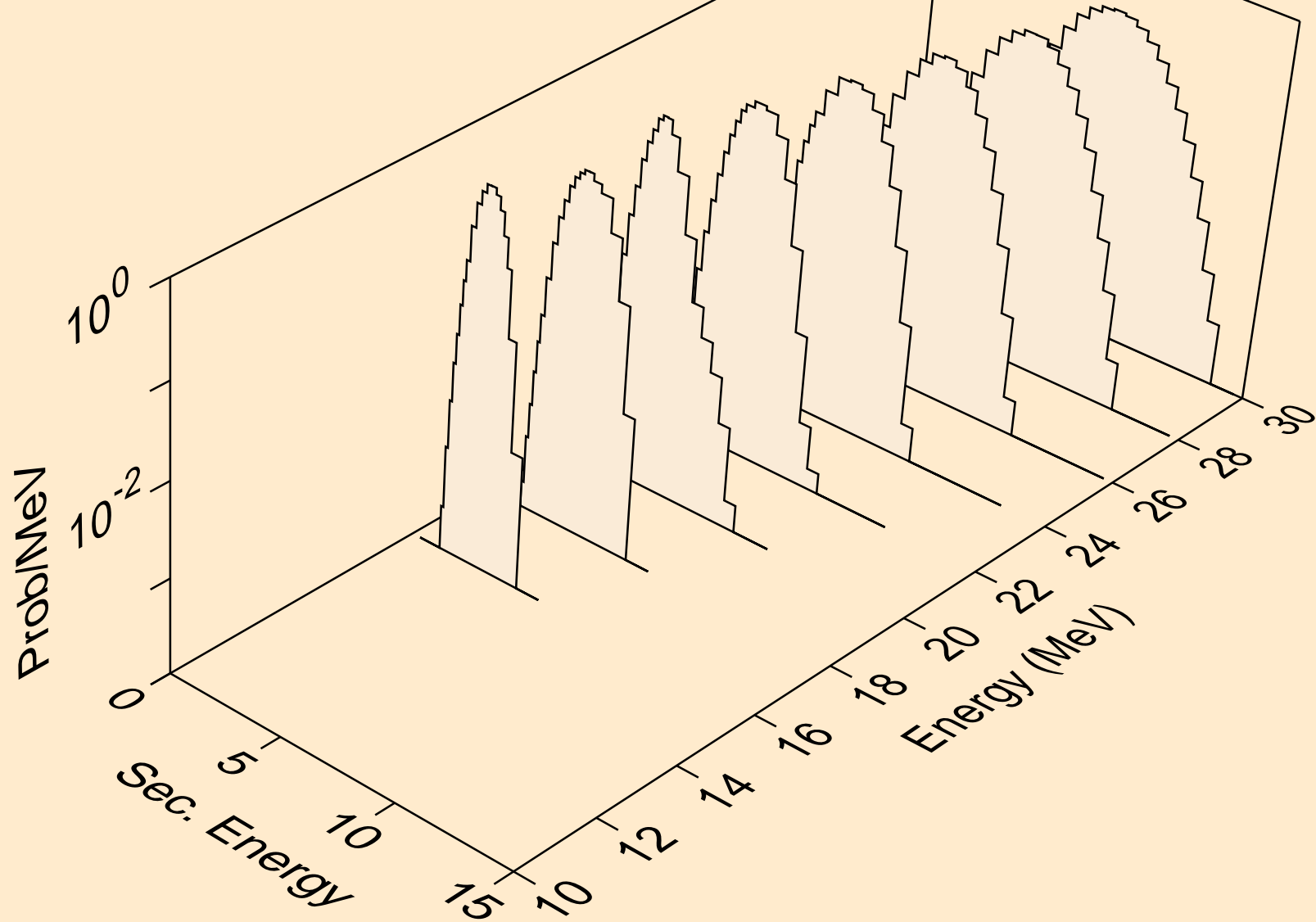


IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

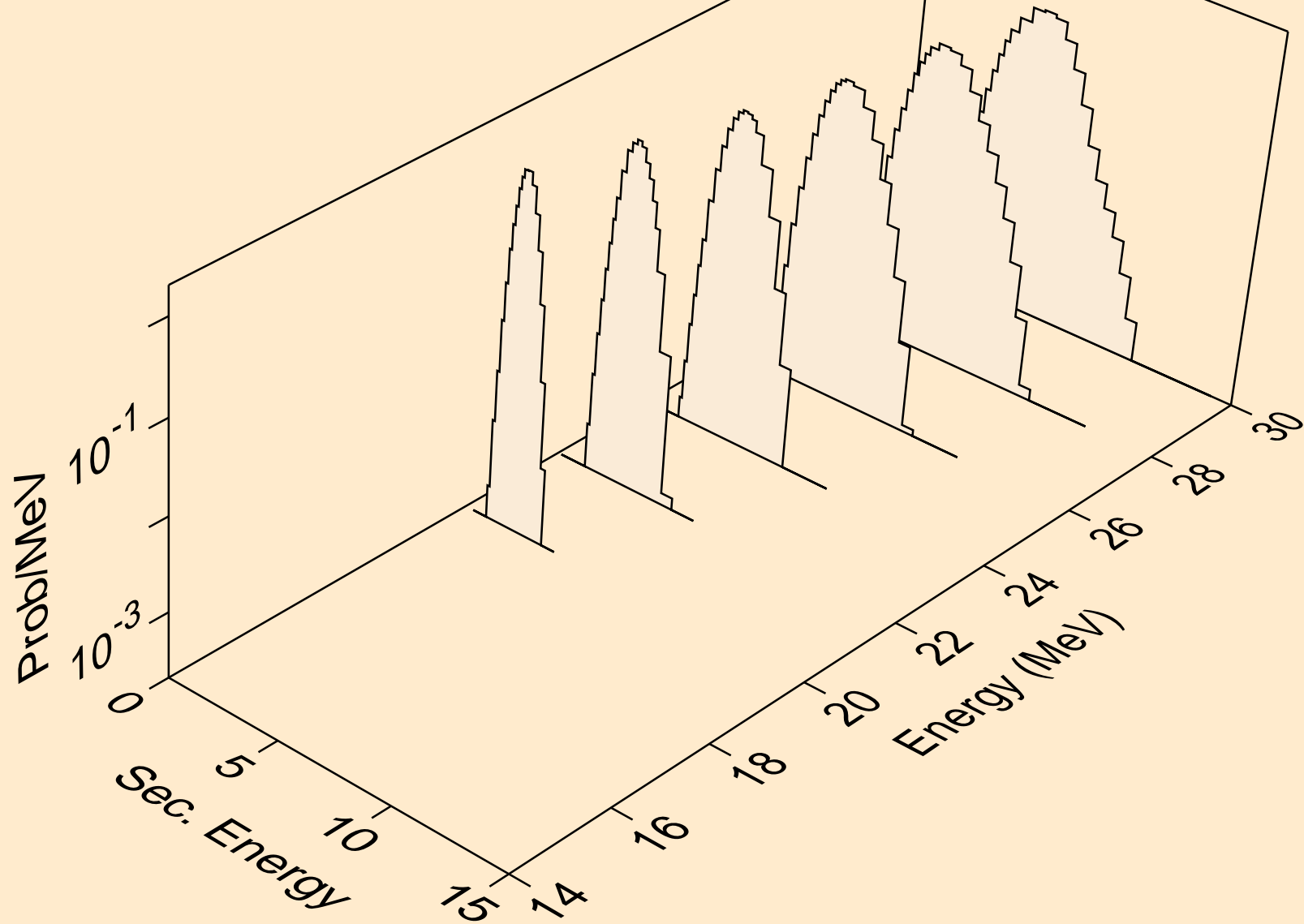




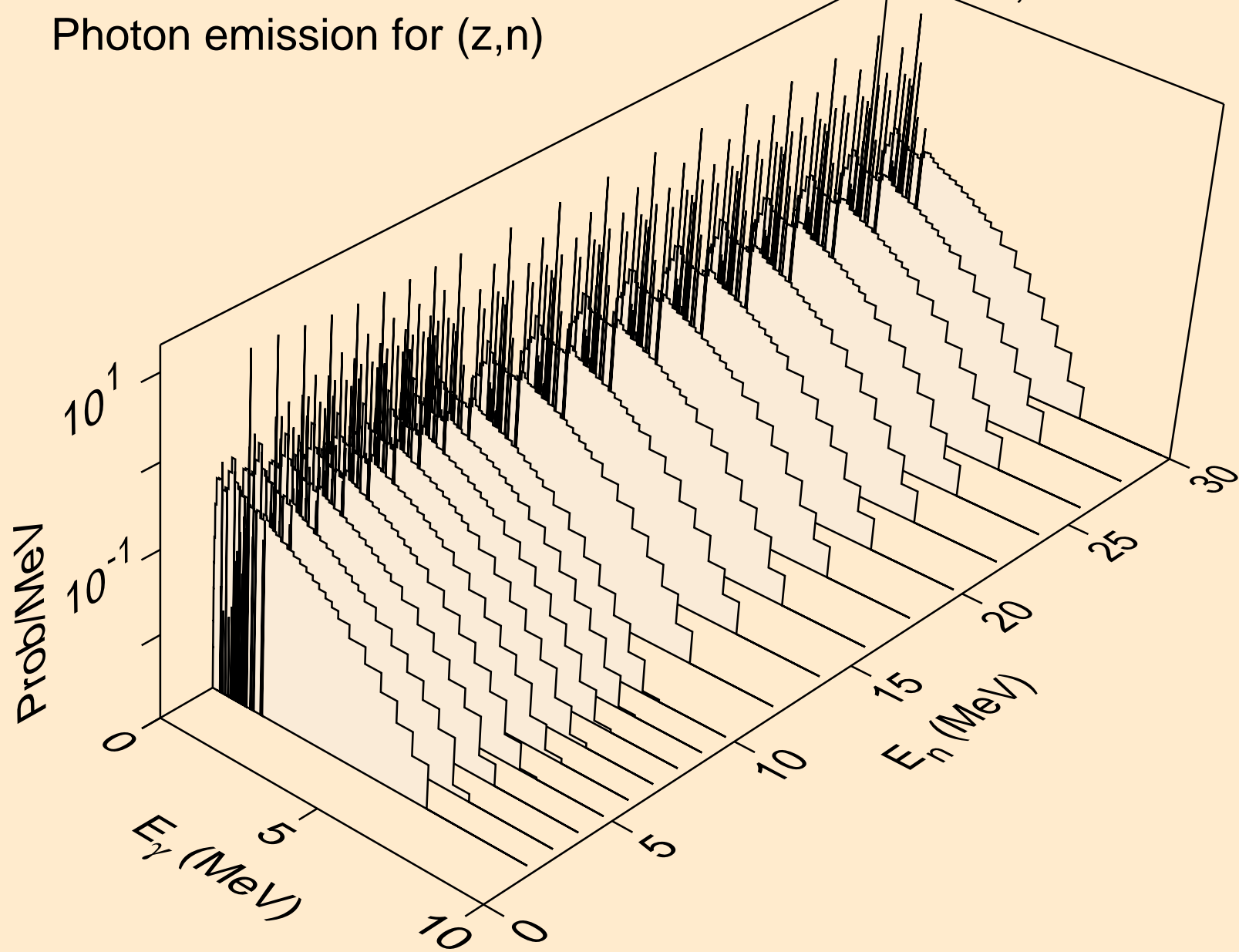
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2p)



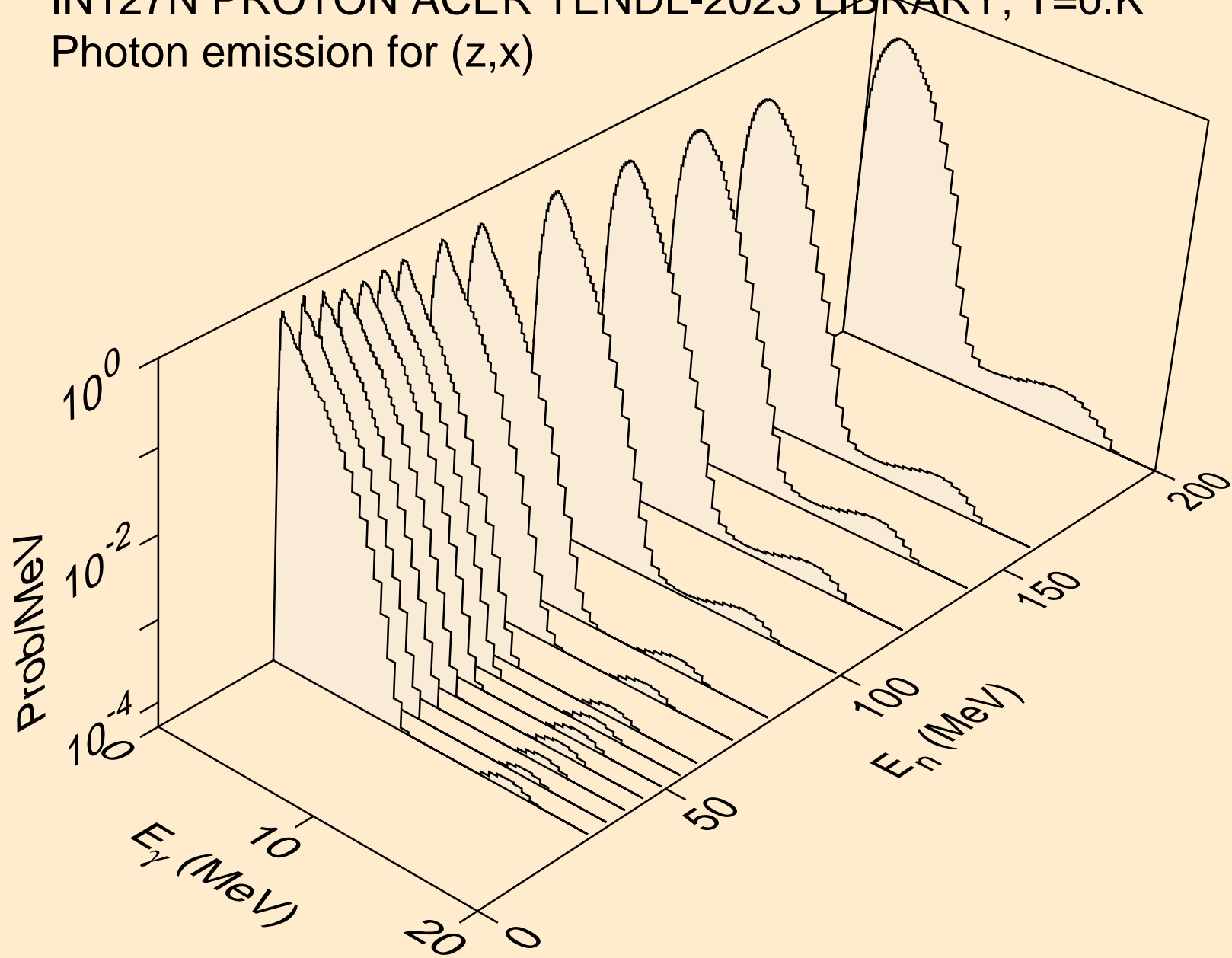
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pd)



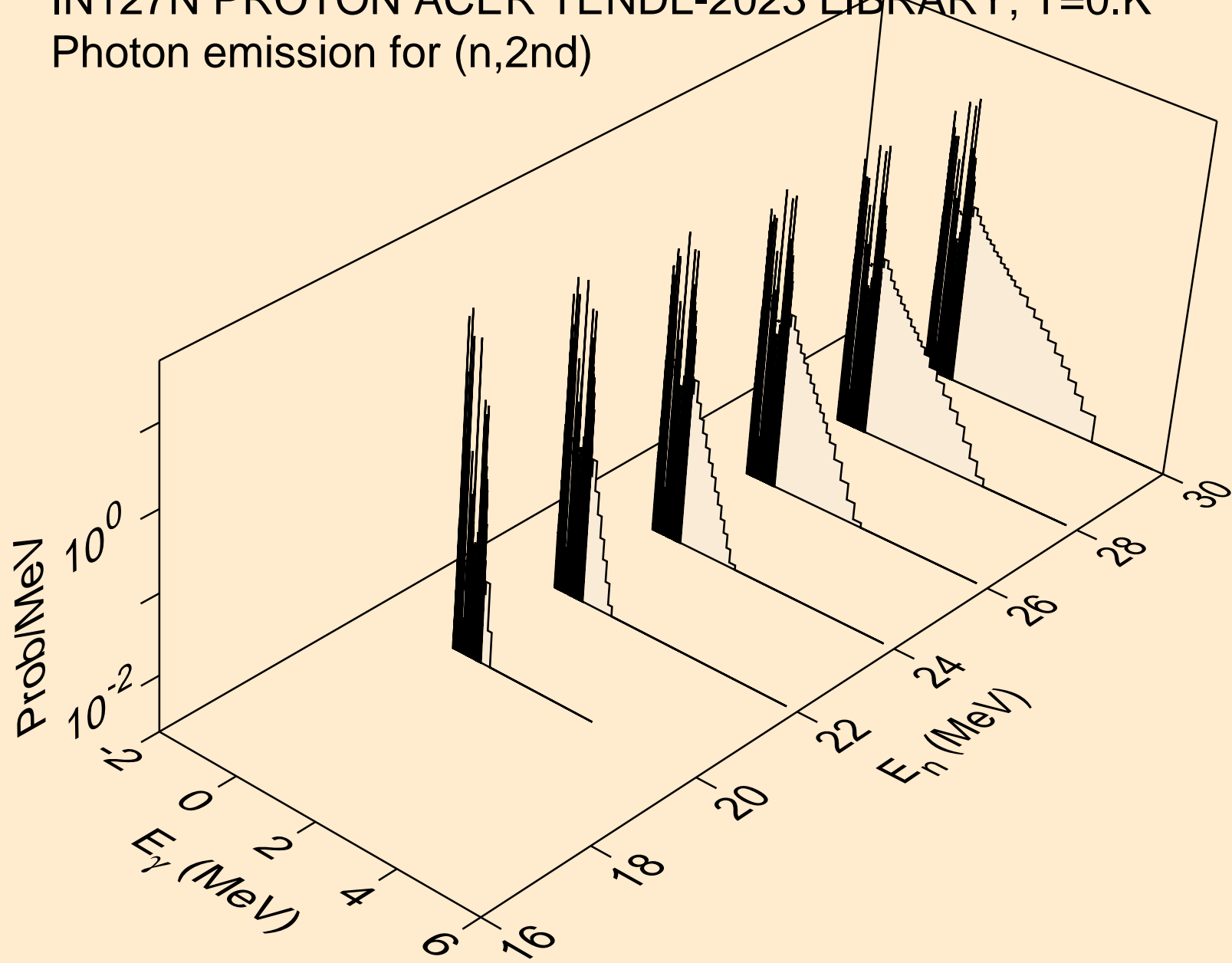
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



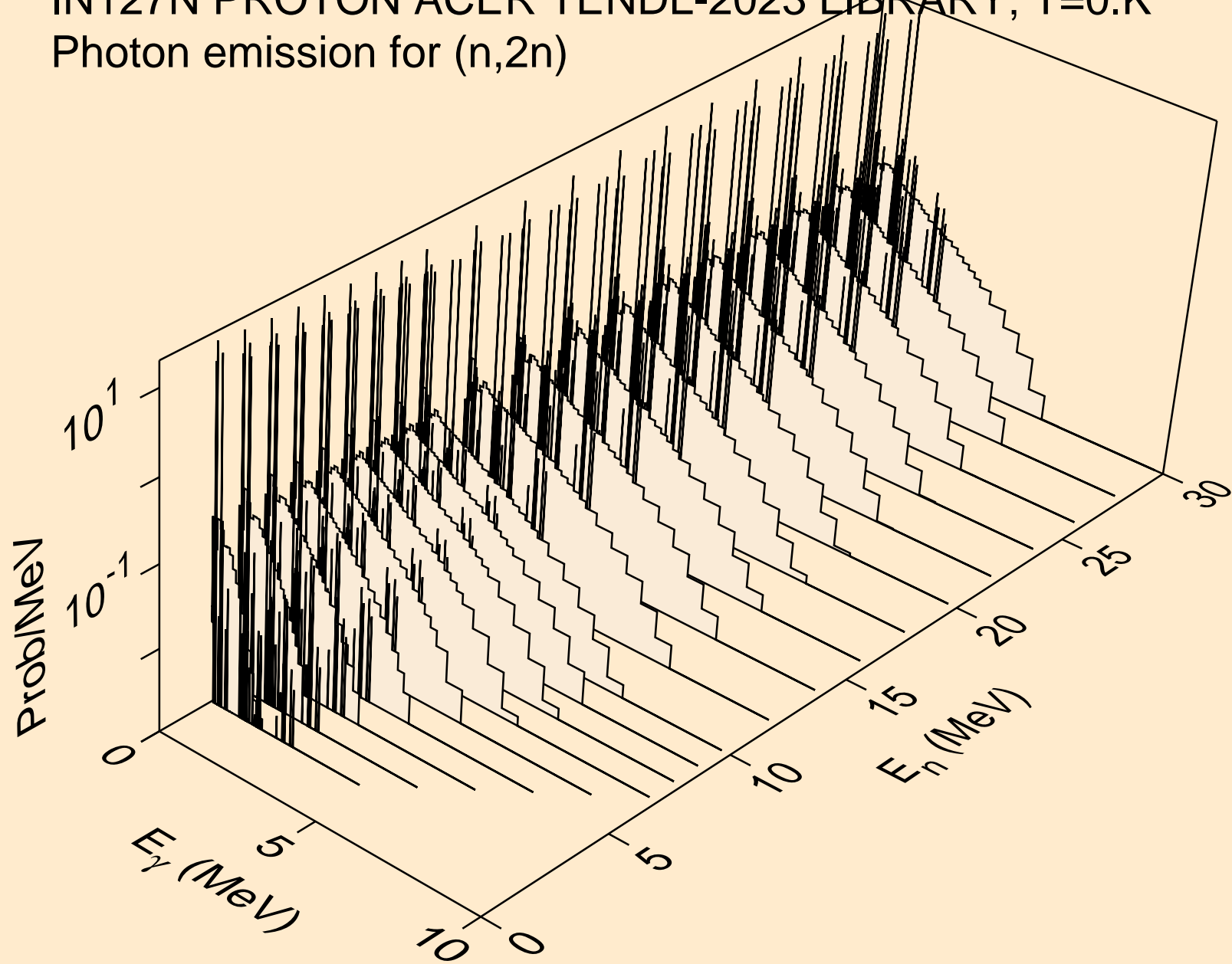
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



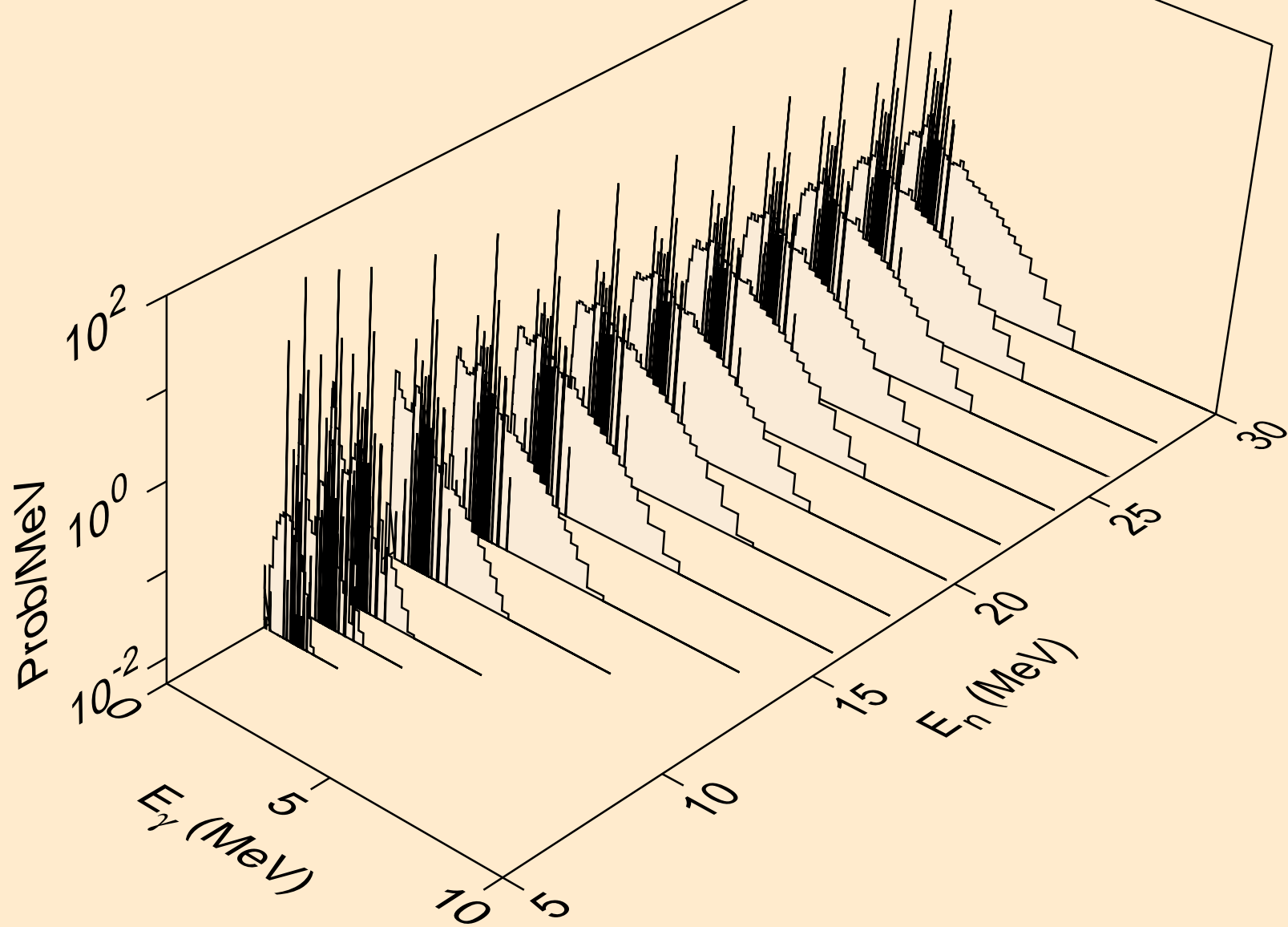
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Photon emission for (n,2nd)



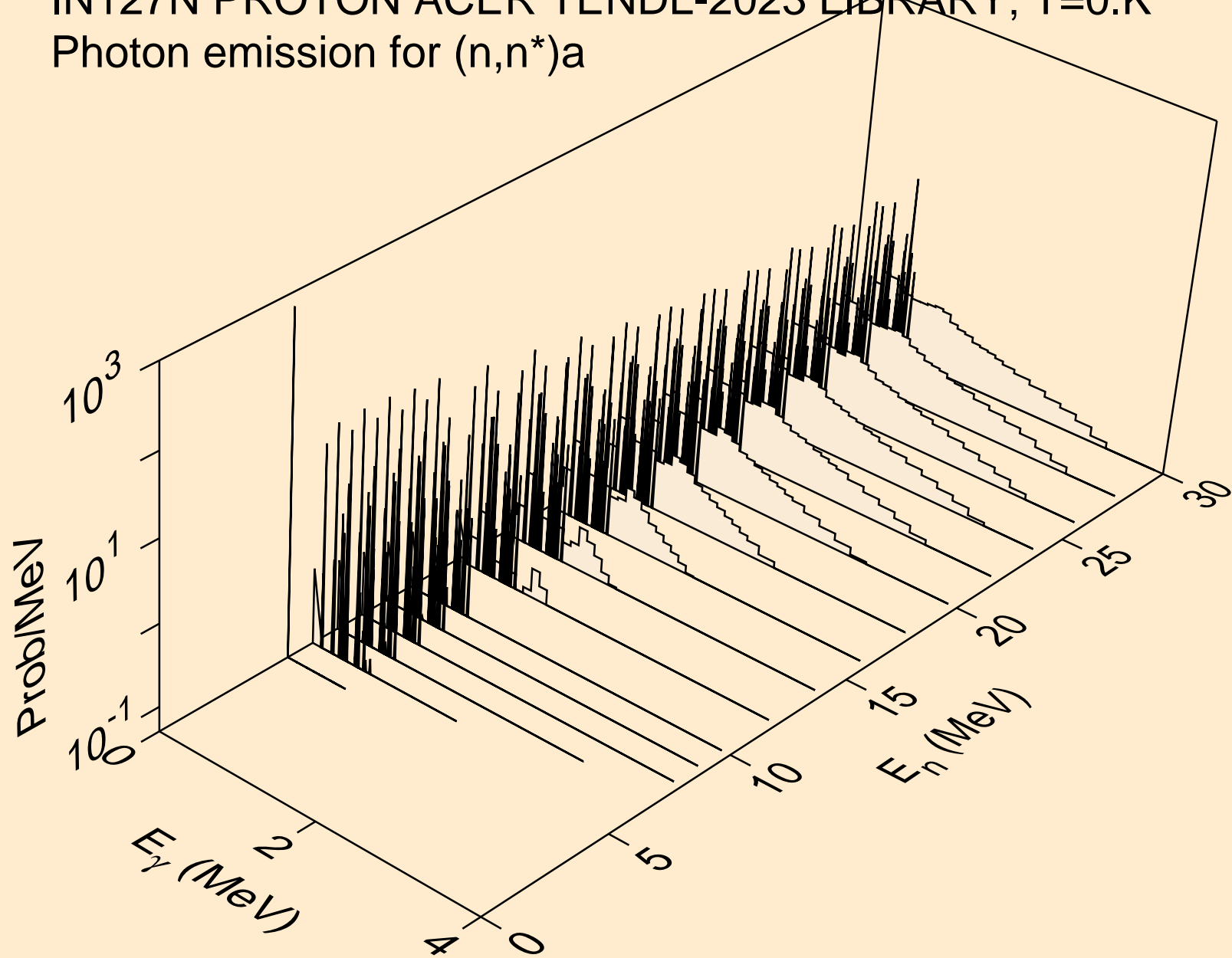
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)

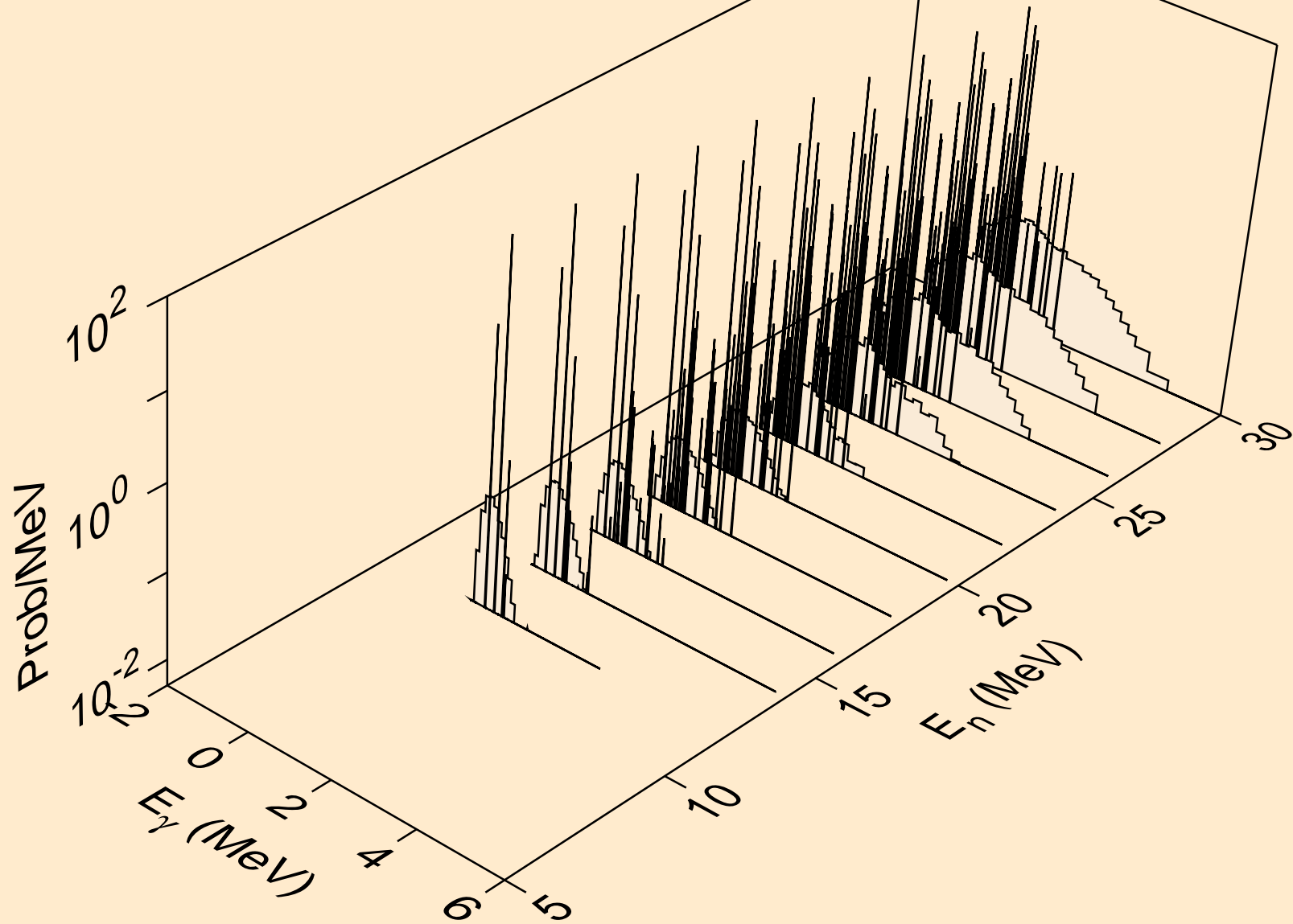


IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

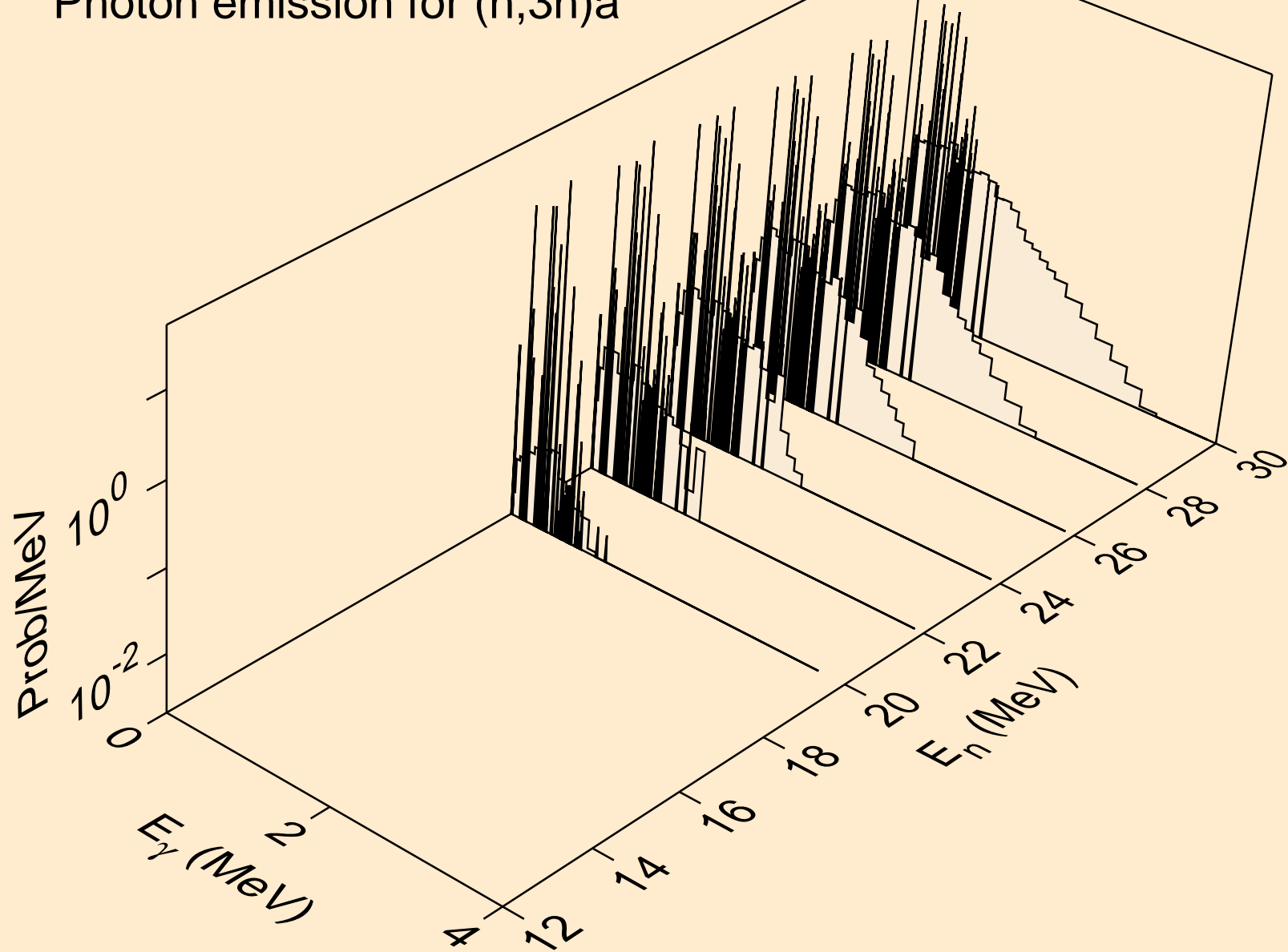




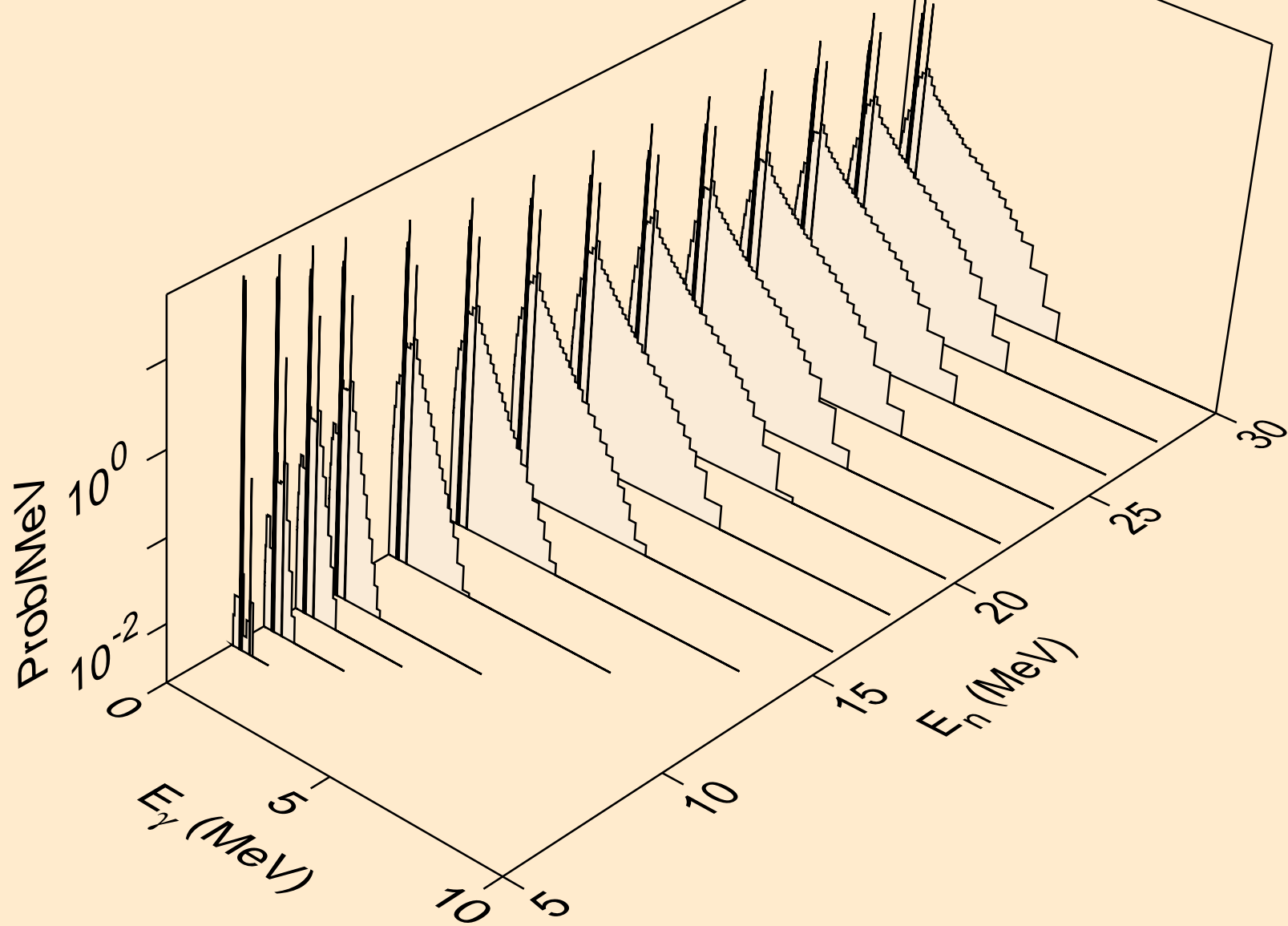
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Photon emission for (n,2n)a



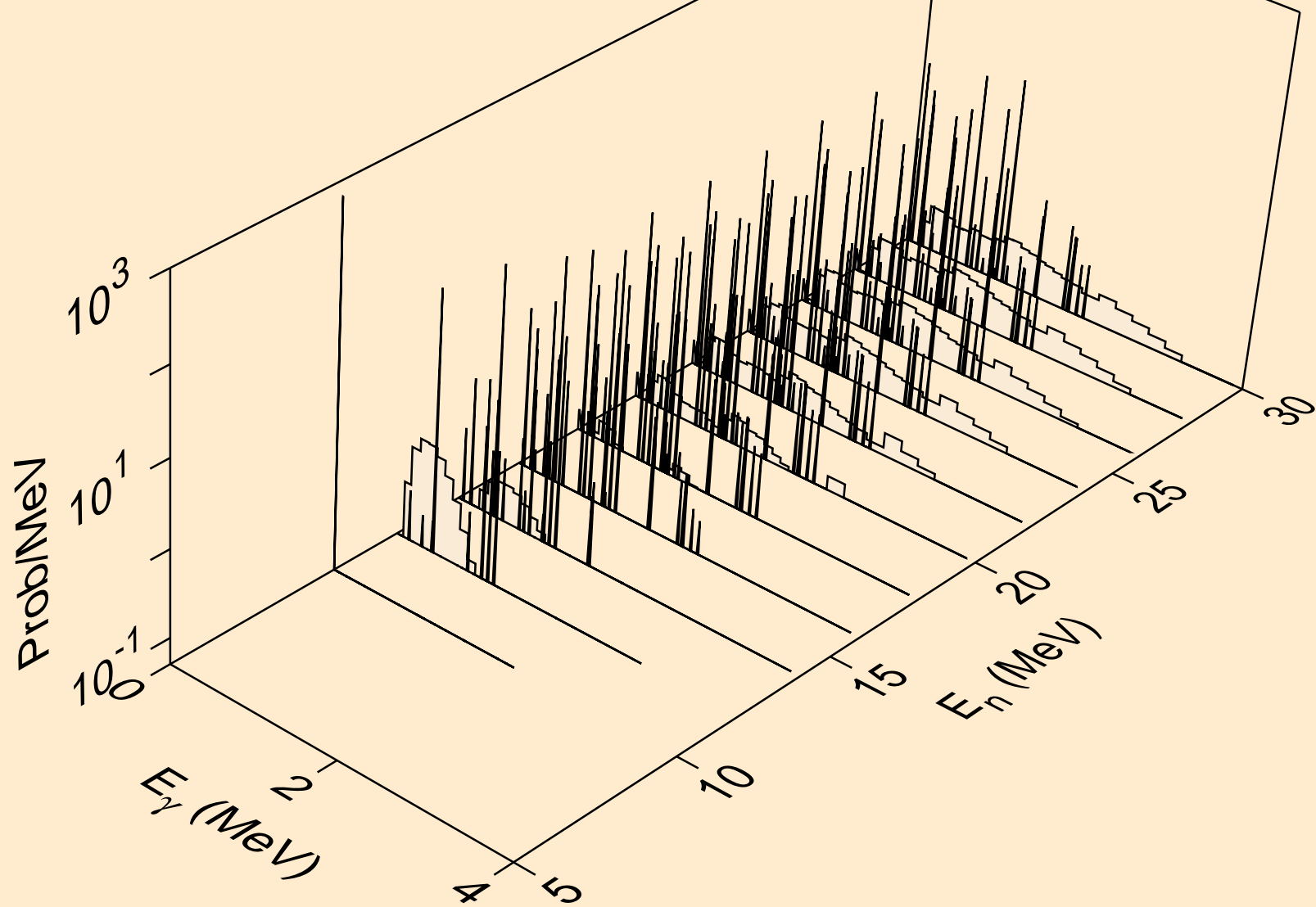
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Photon emission for (n,3n)a



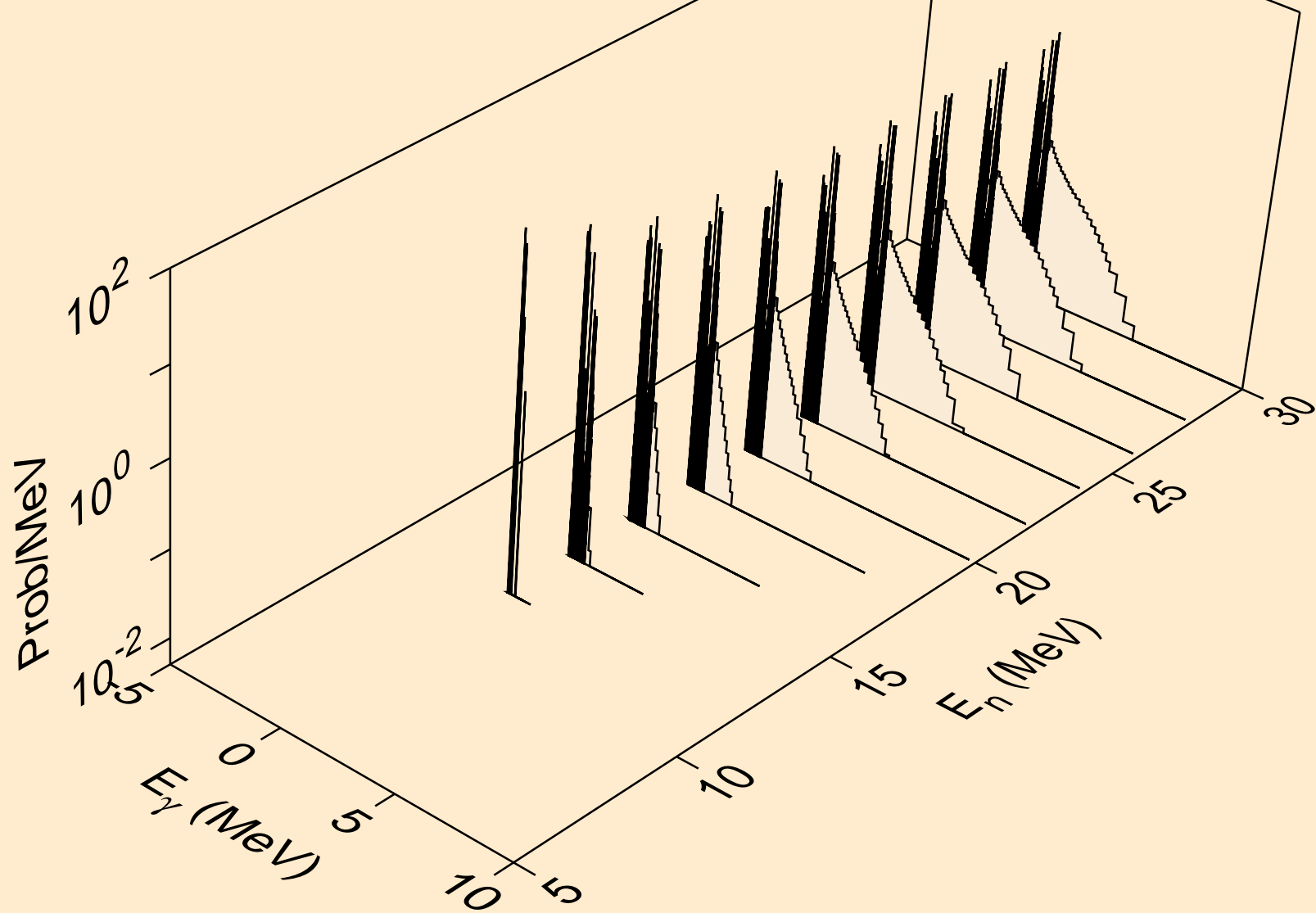
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



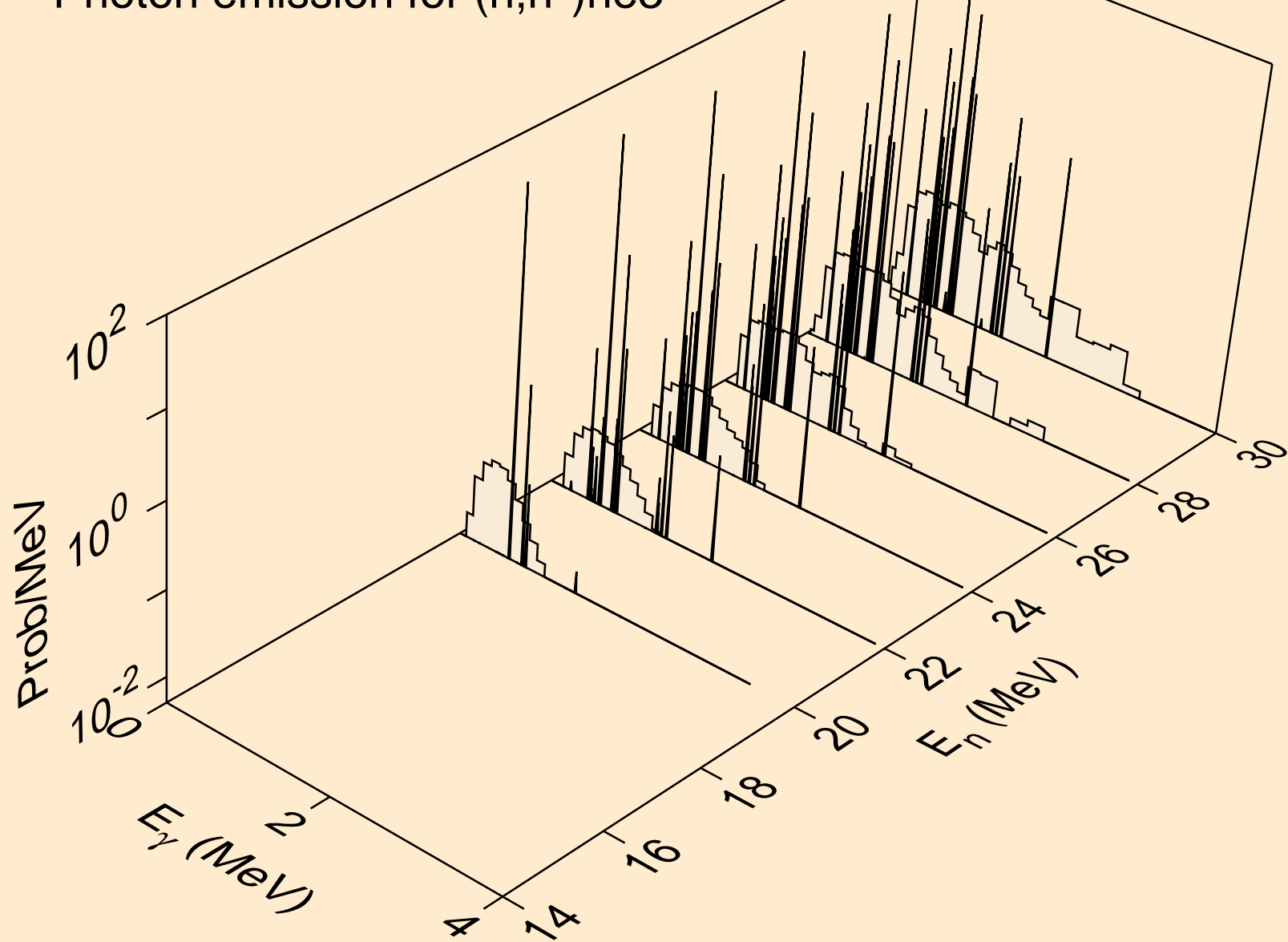
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



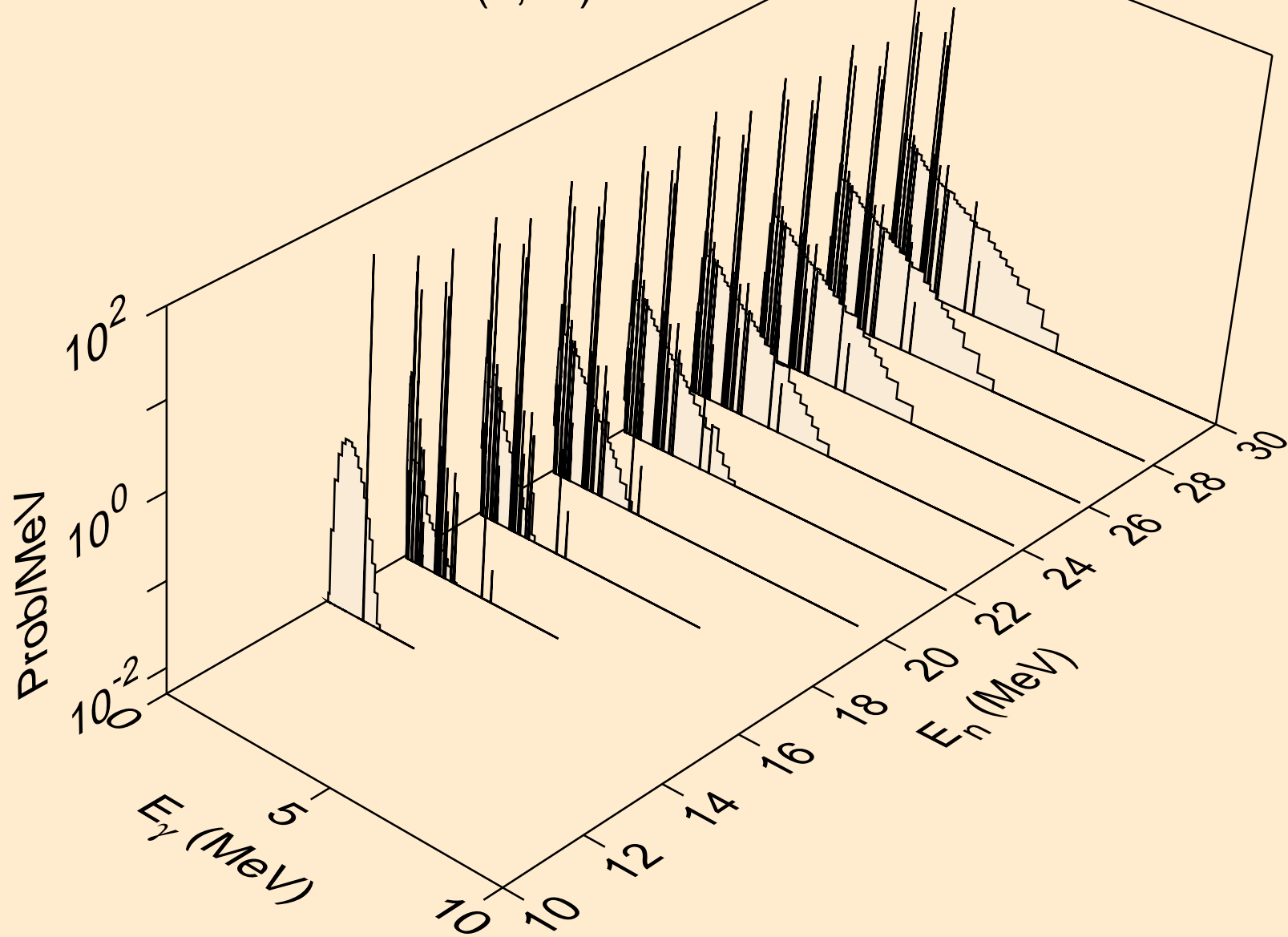
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



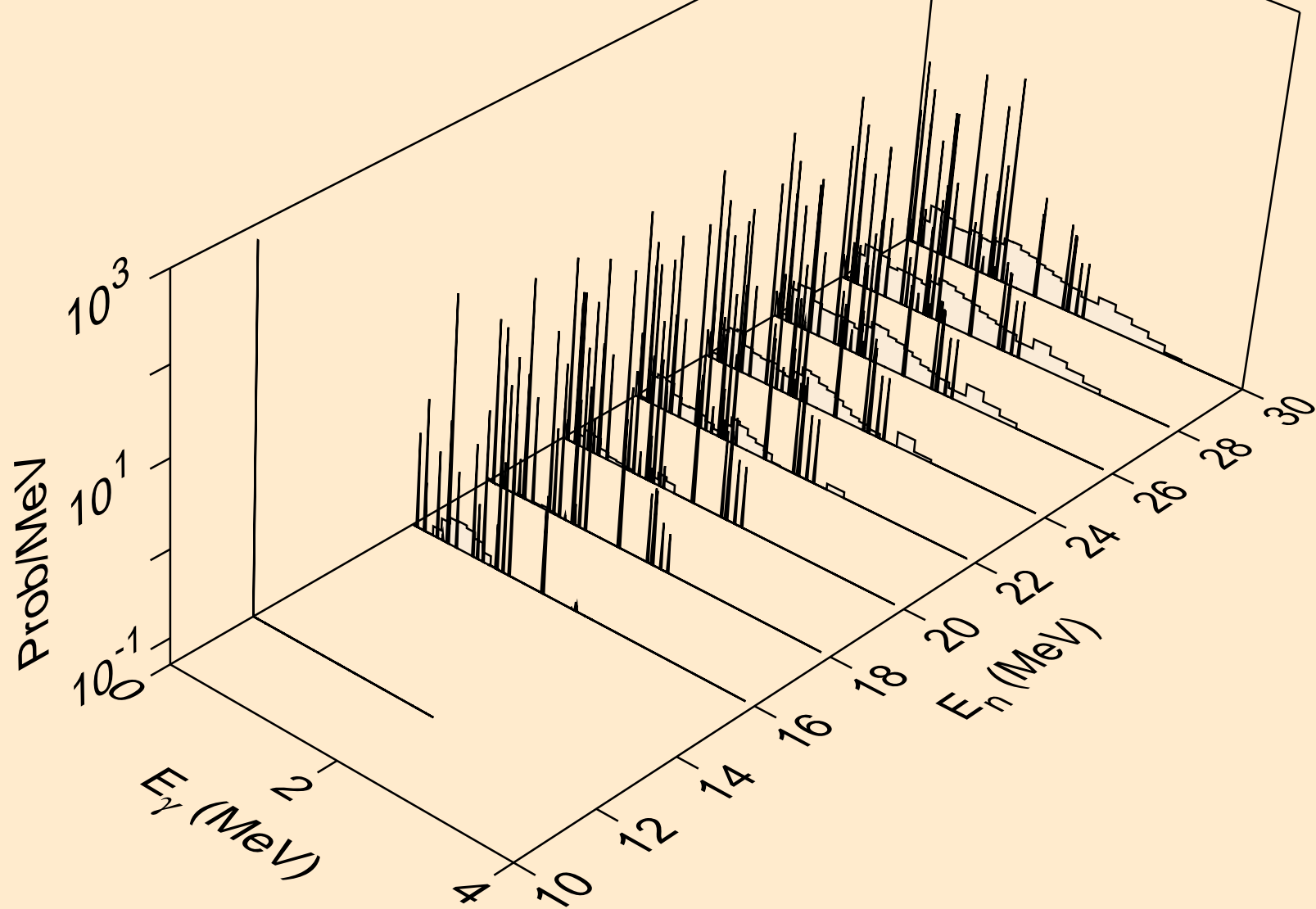
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)

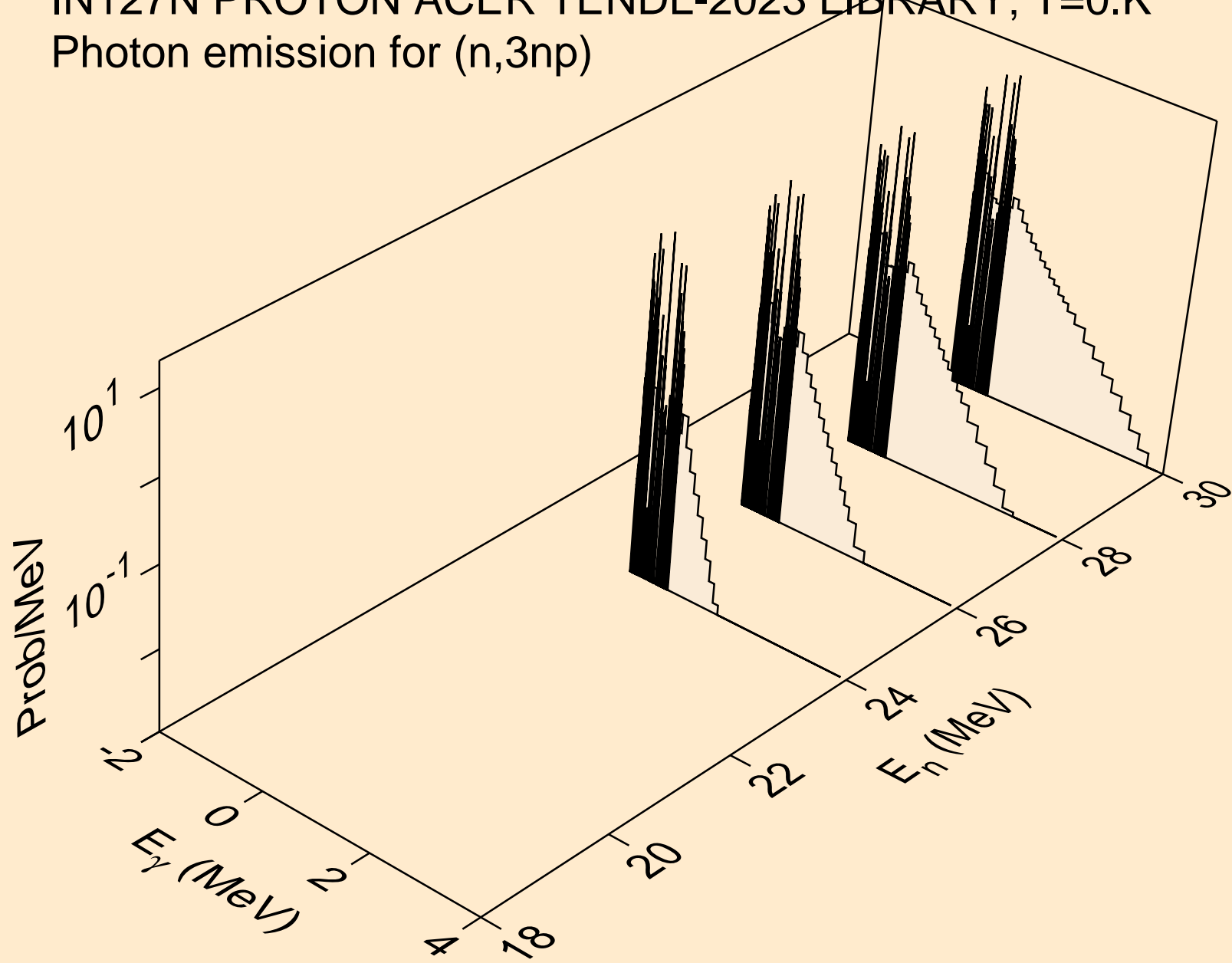


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Photon emission for (n,2np)

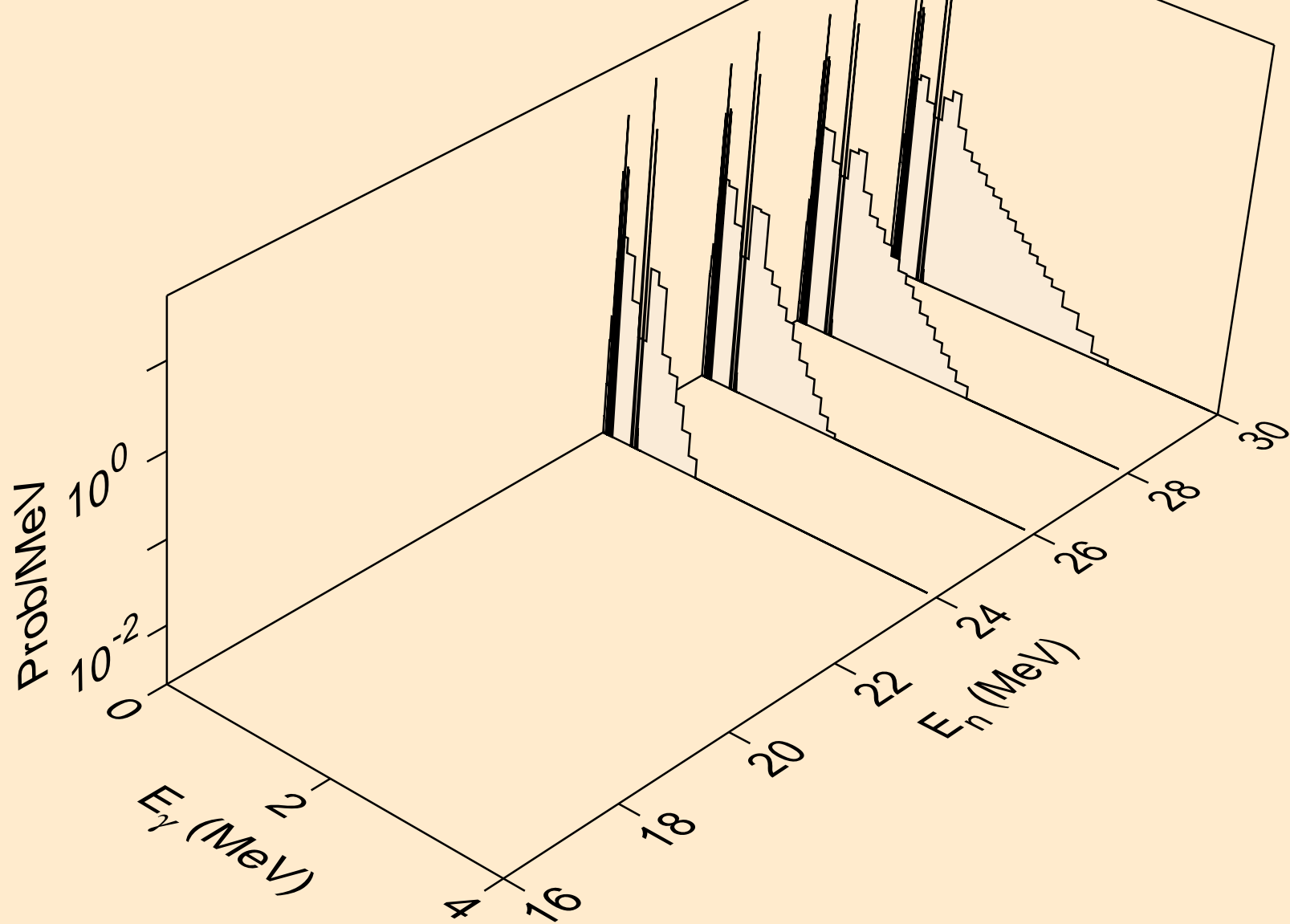




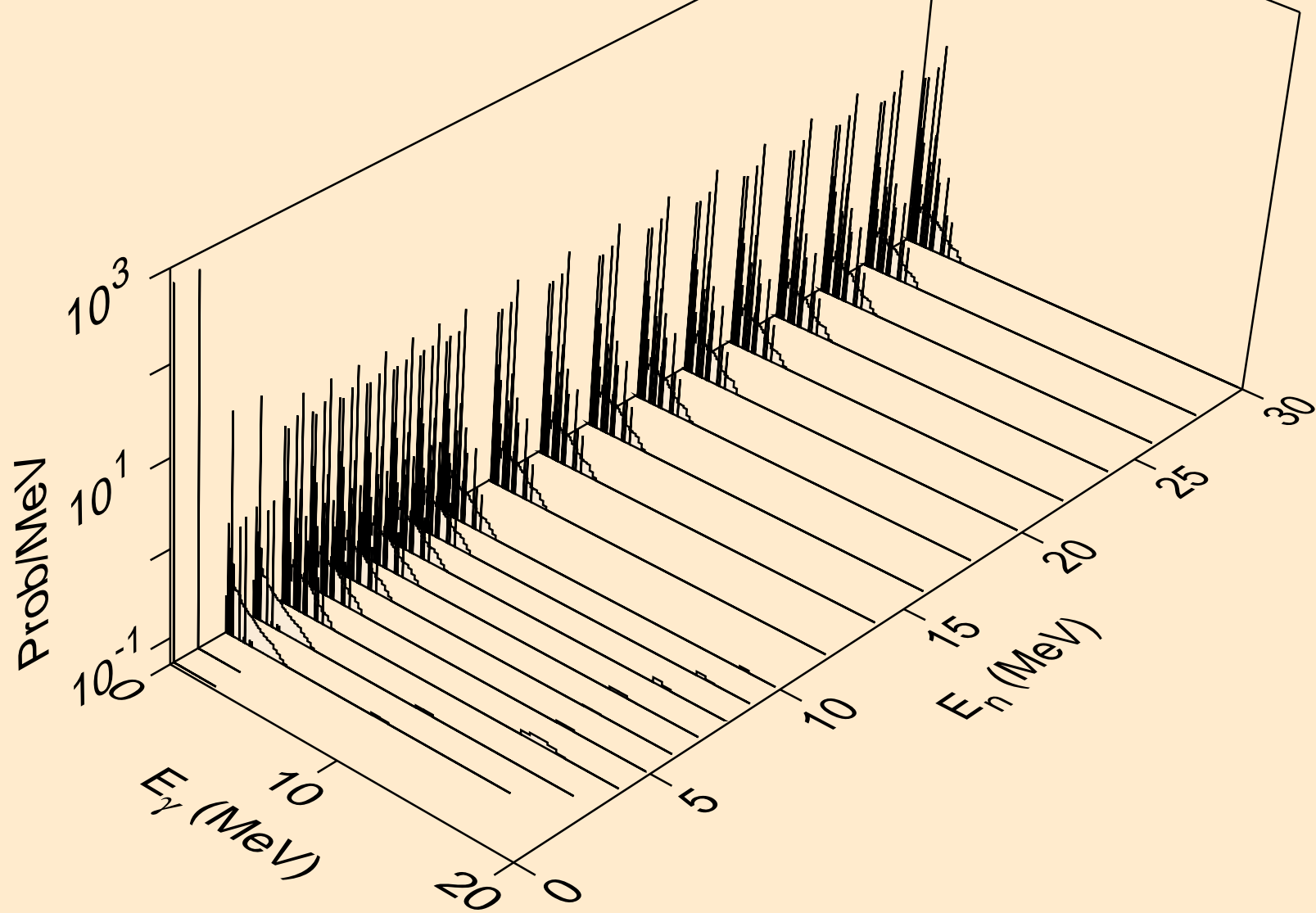
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Photon emission for (n,3np)



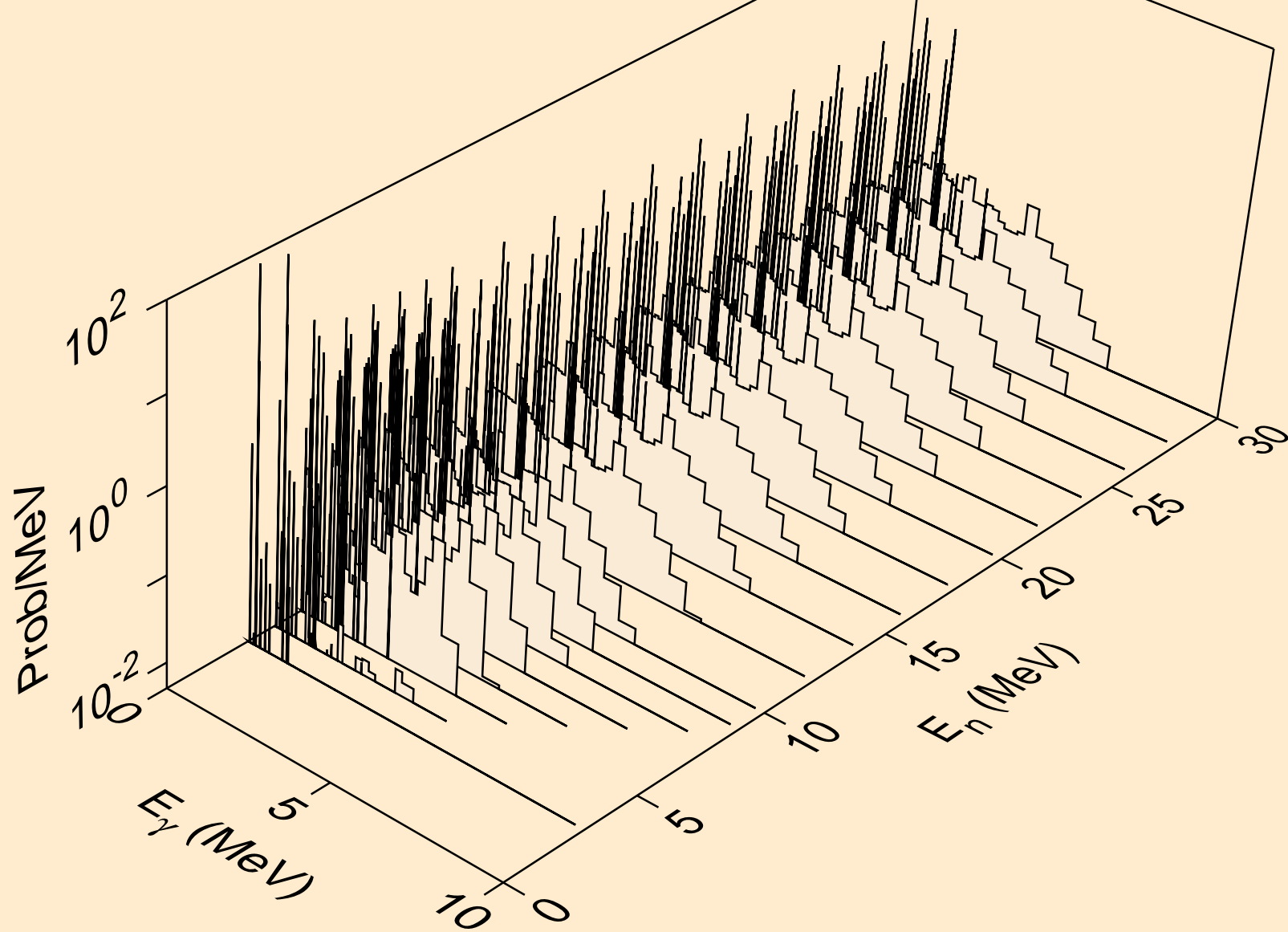
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Photon emission for (n,n2p)



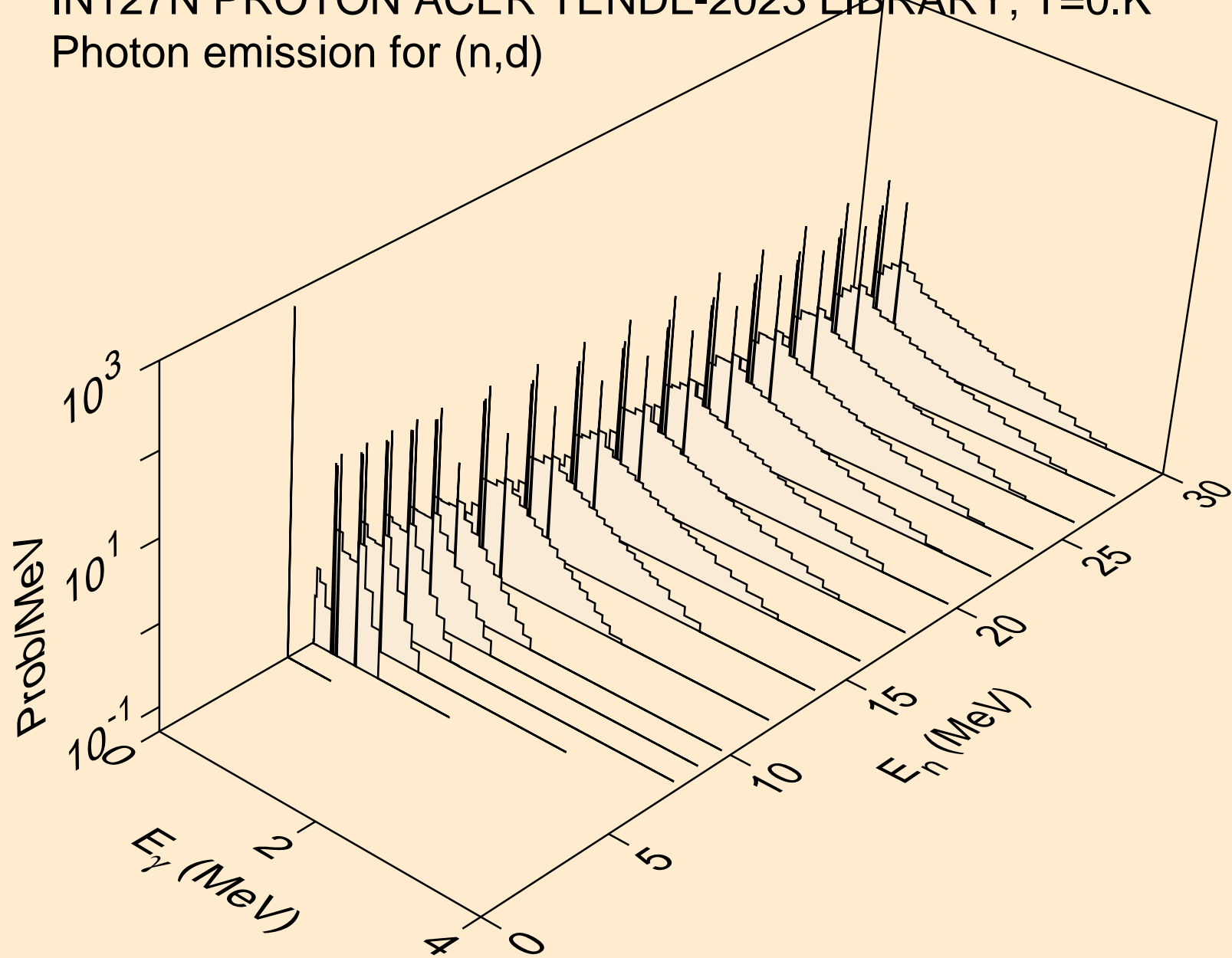
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Photon emission for (n,gma)



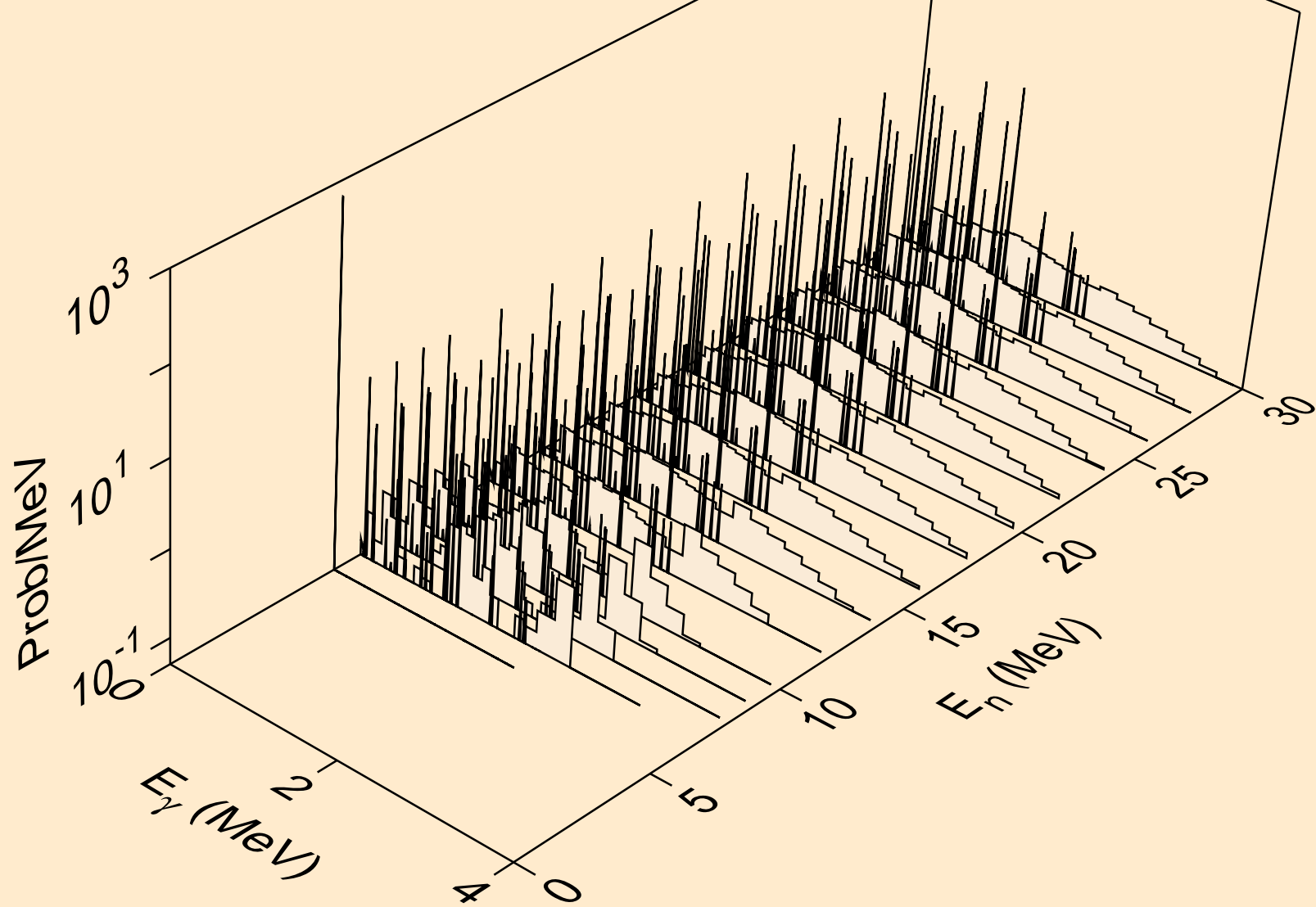
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



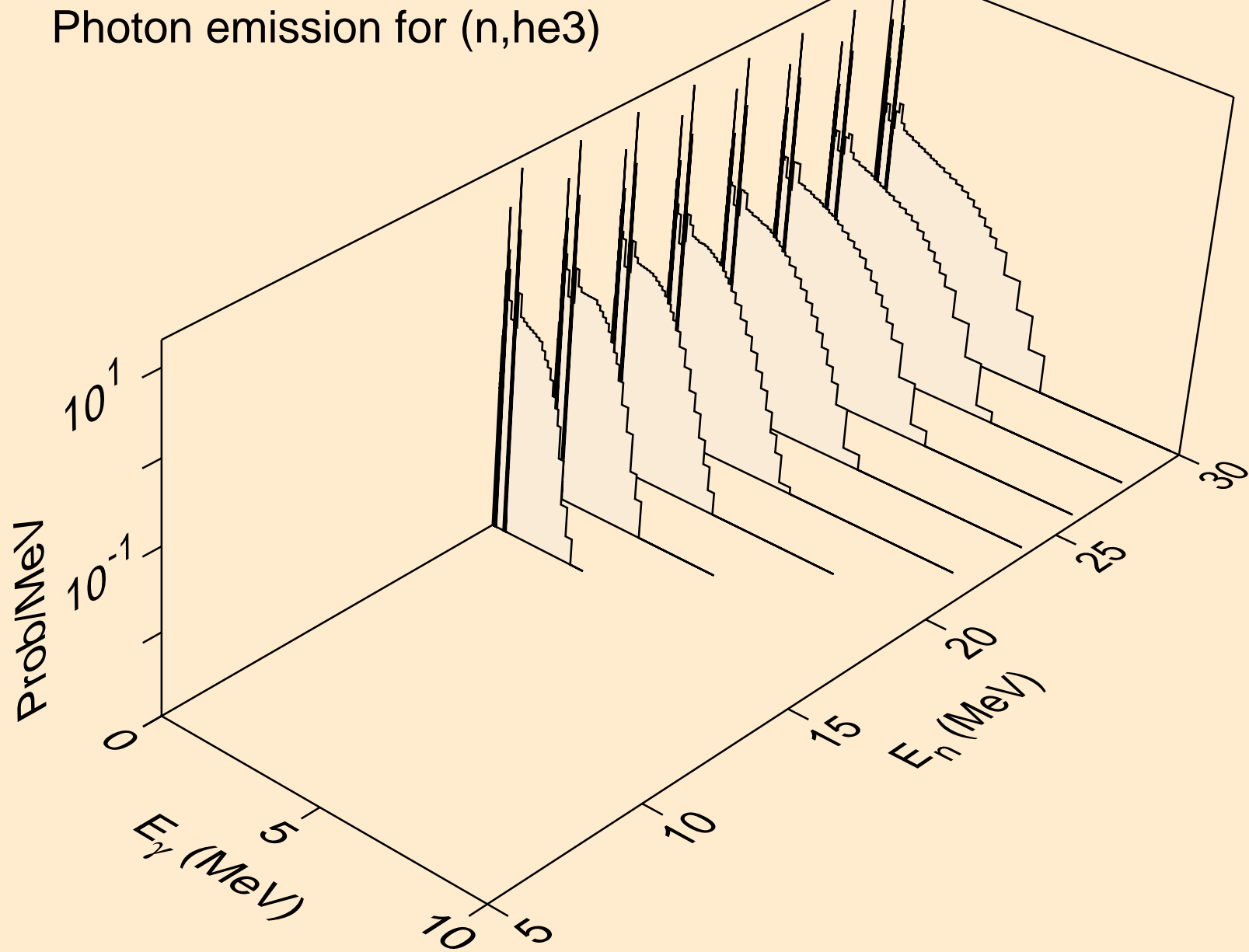
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Photon emission for (n,d)



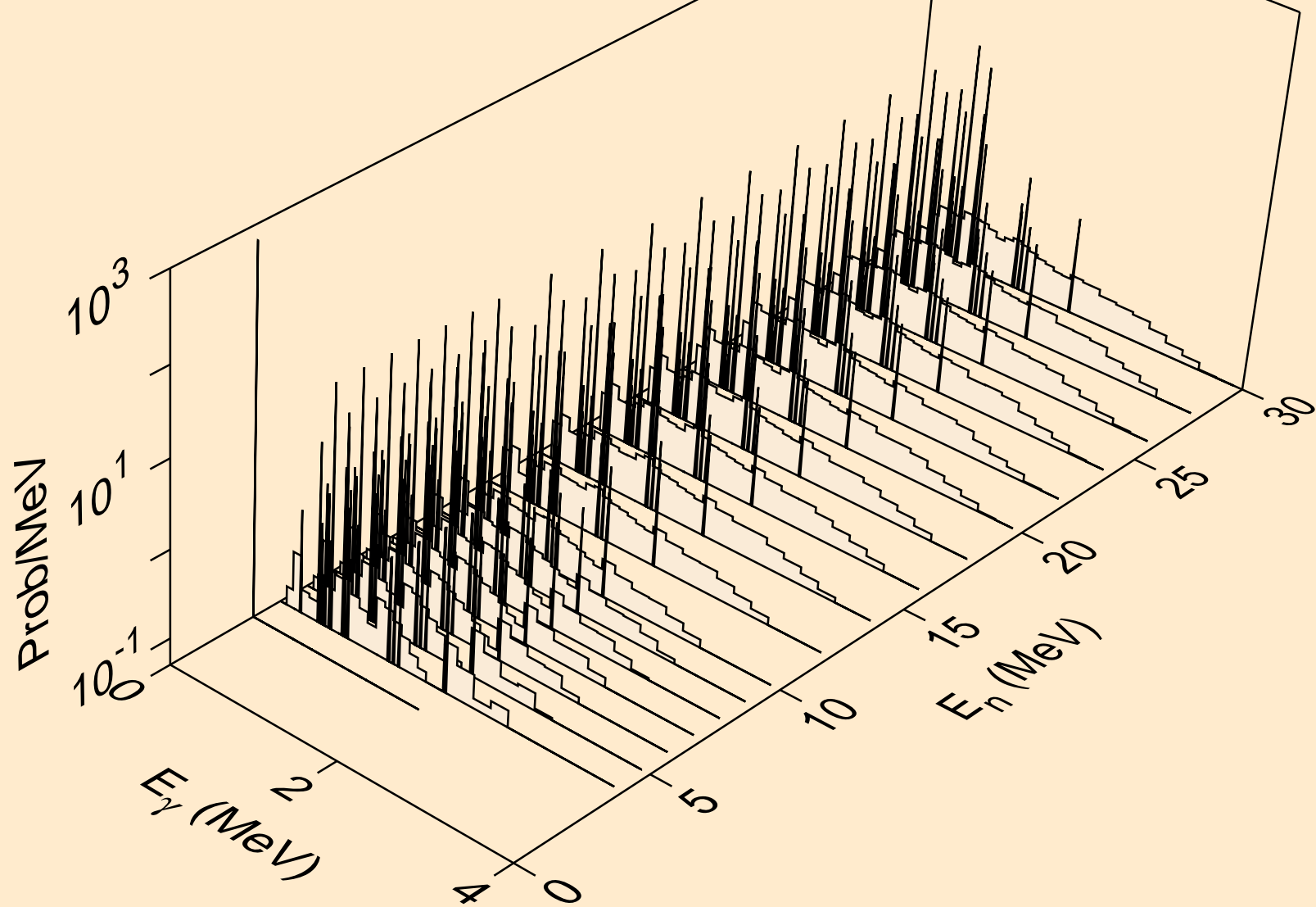
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)

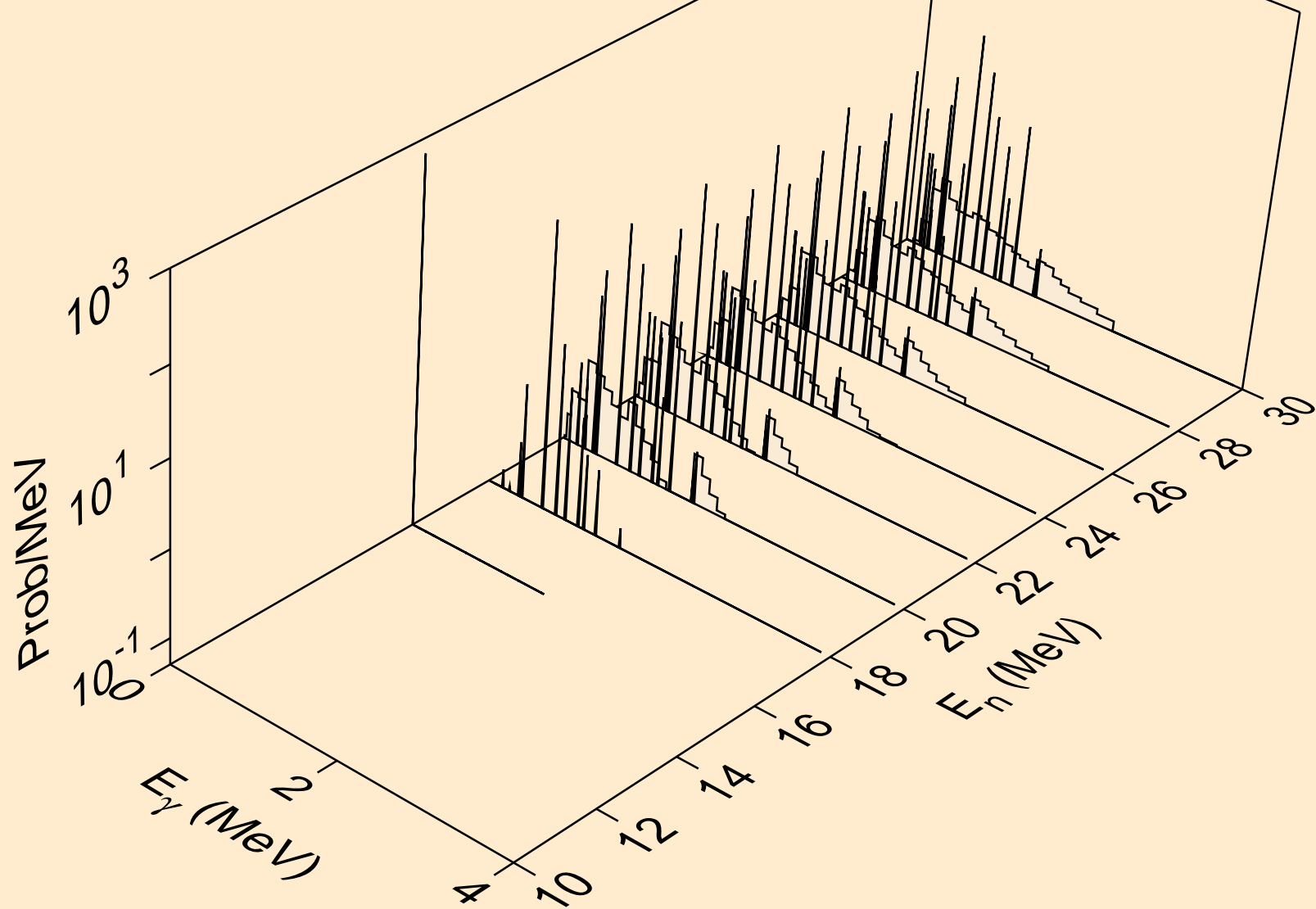


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Photon emission for (n,a)

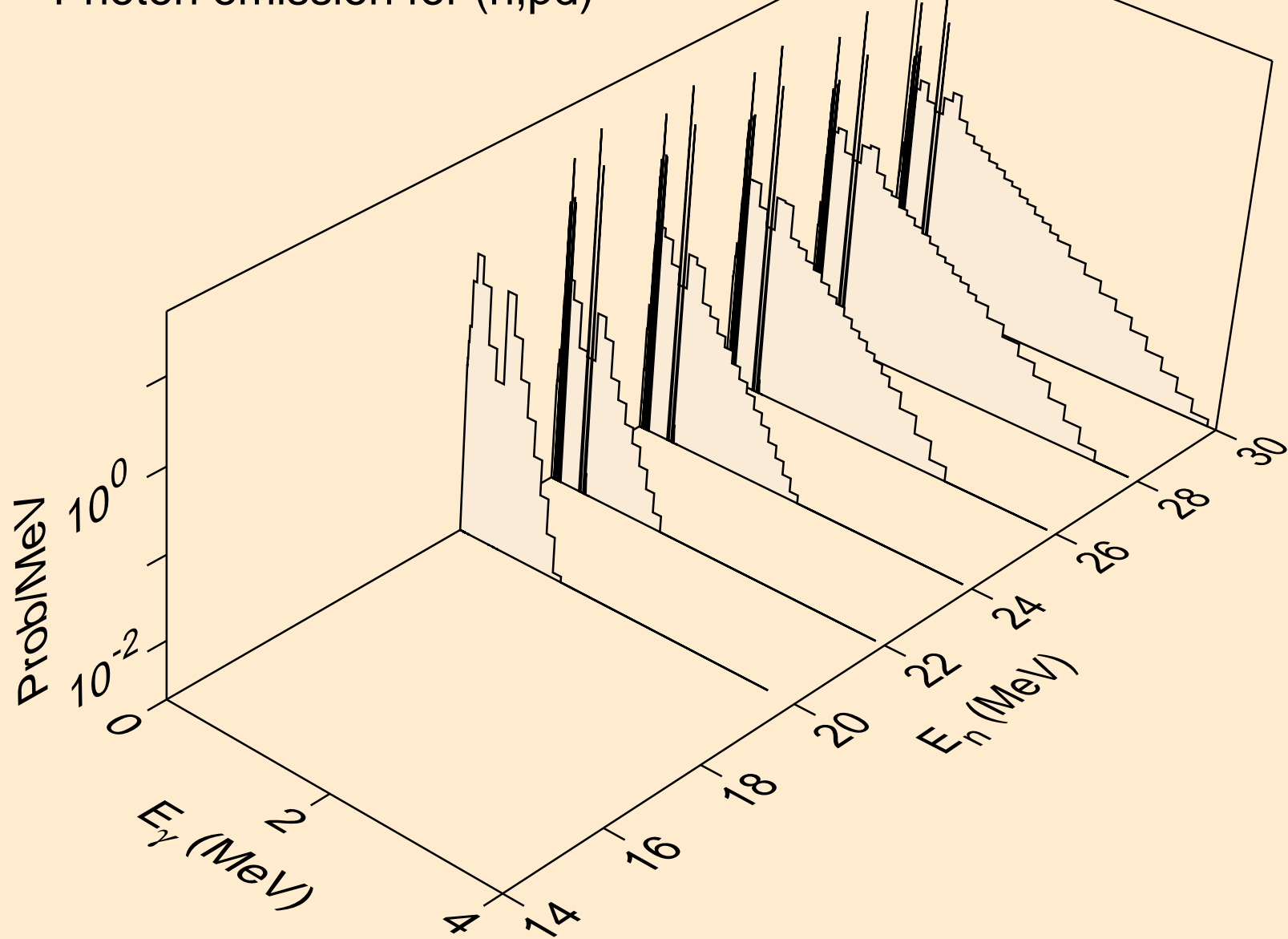




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Photon emission for (n,2p)

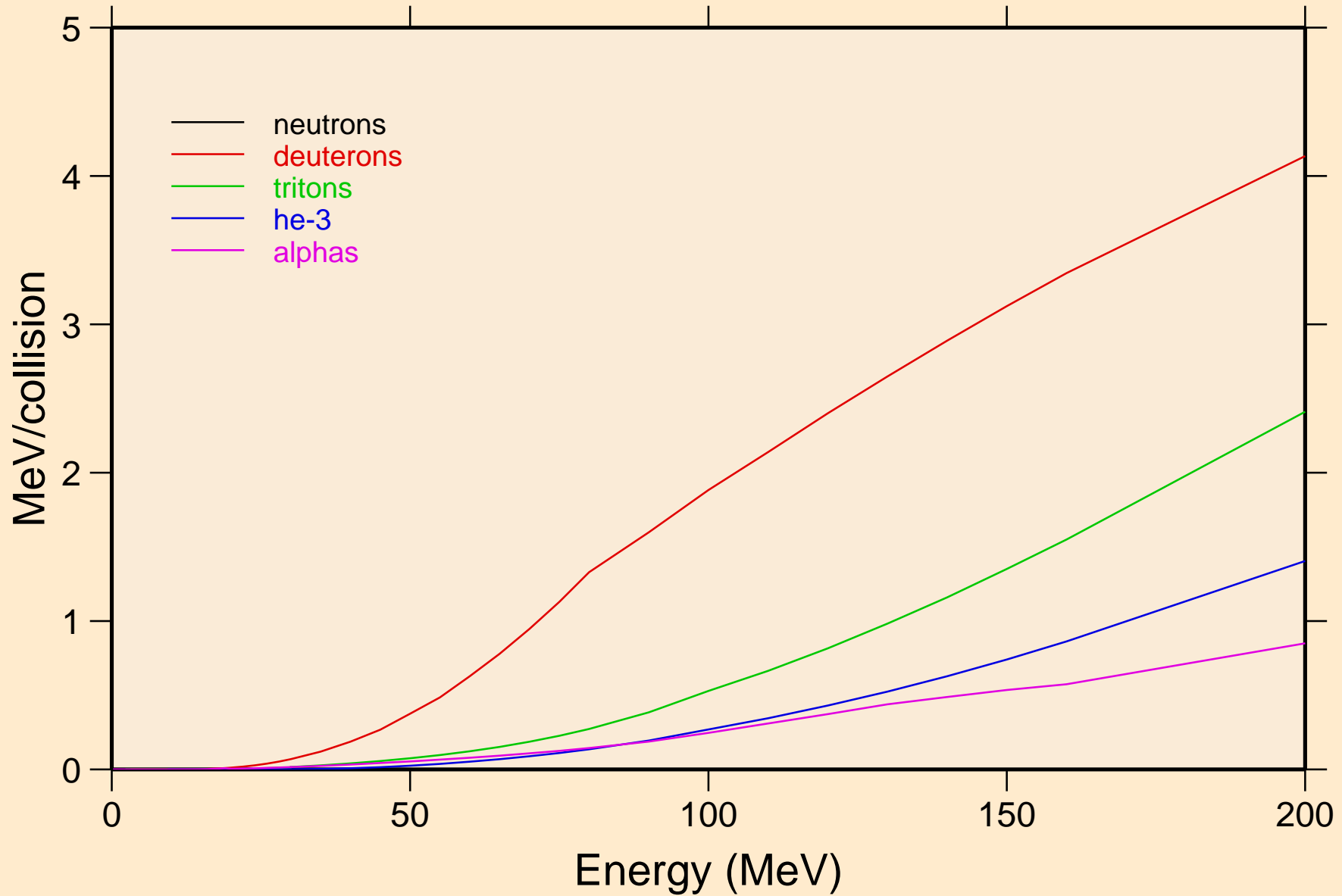


IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)

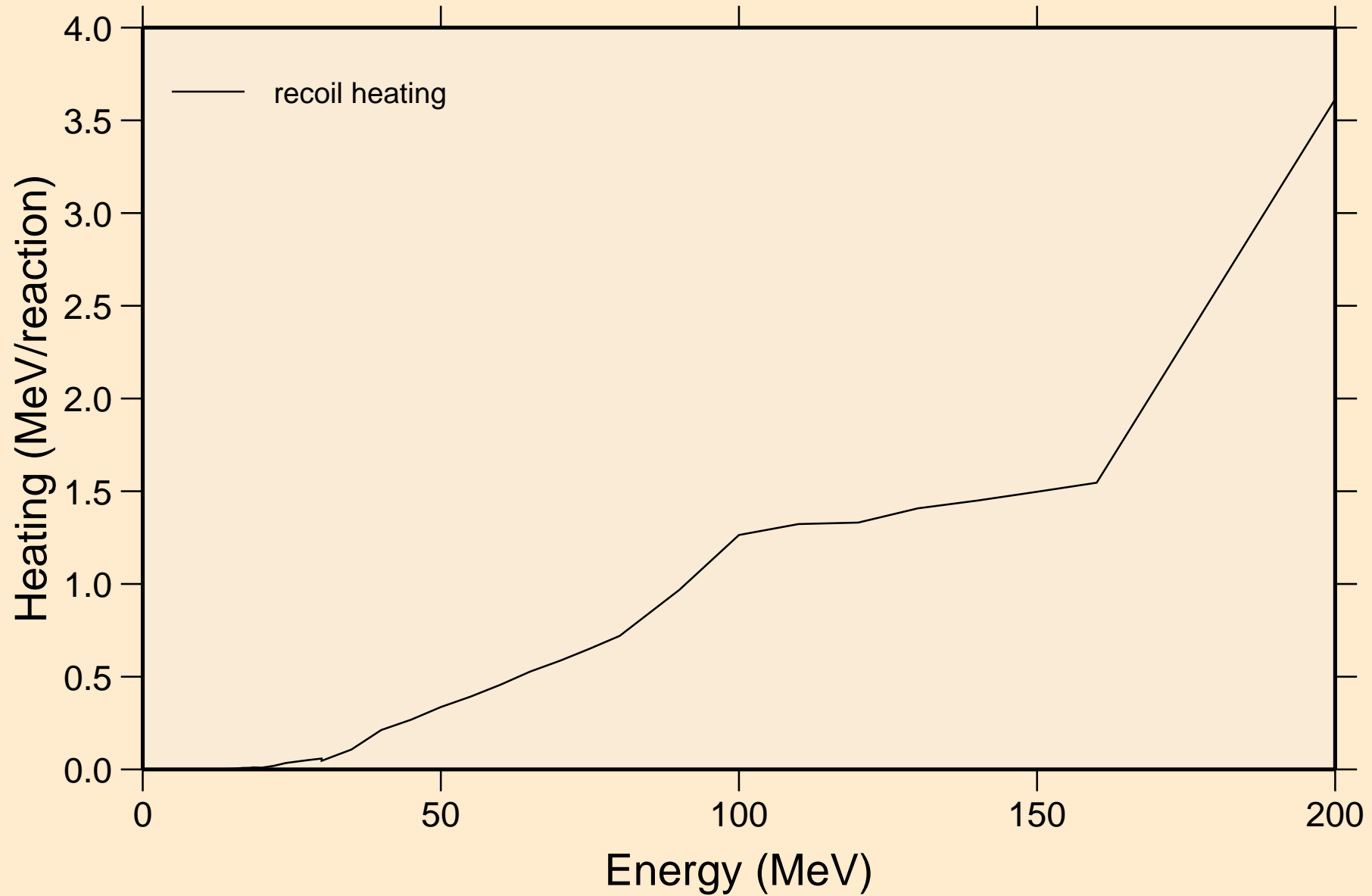


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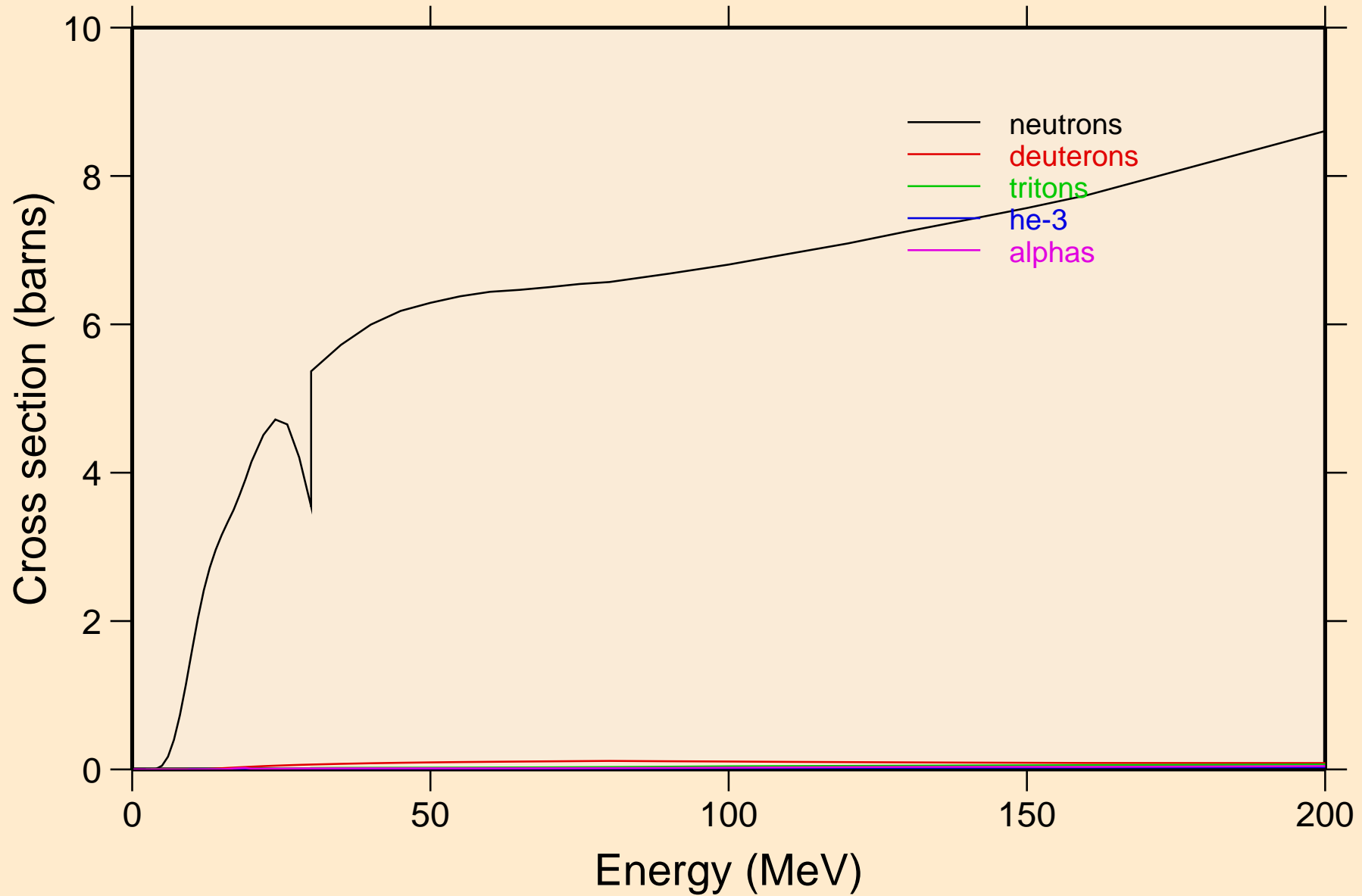
## Particle heating contributions



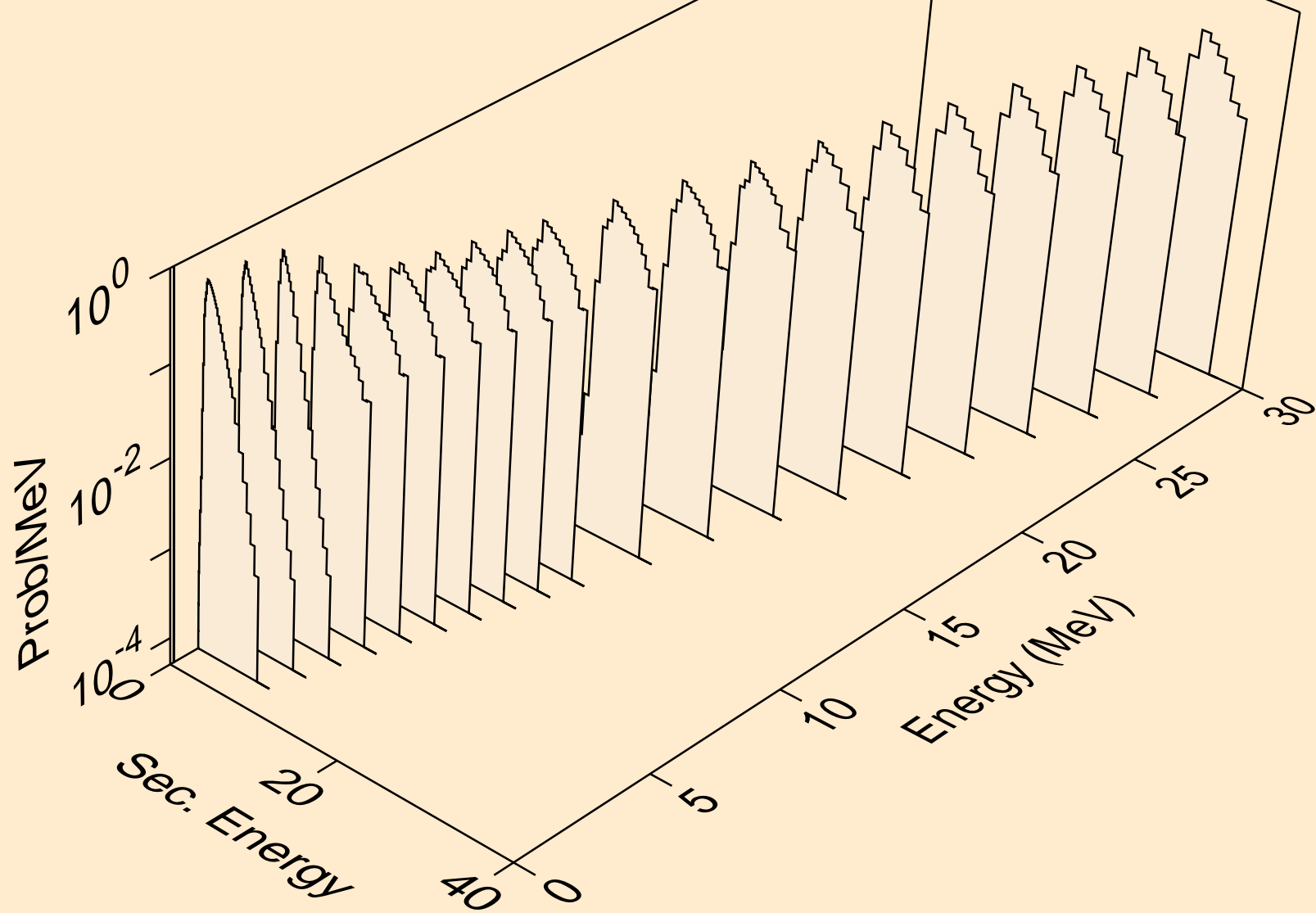
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Recoil Heating



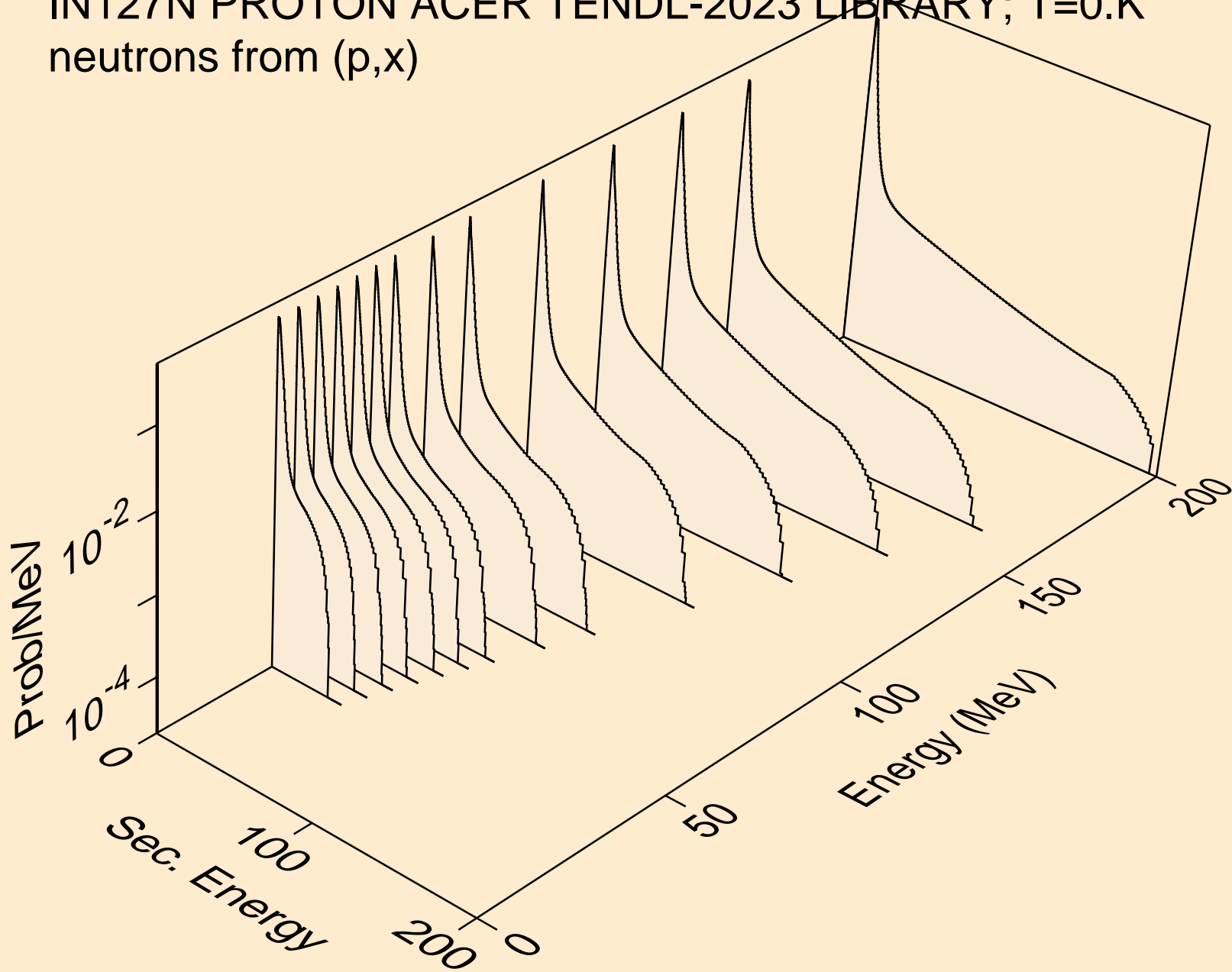
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Particle production cross sections



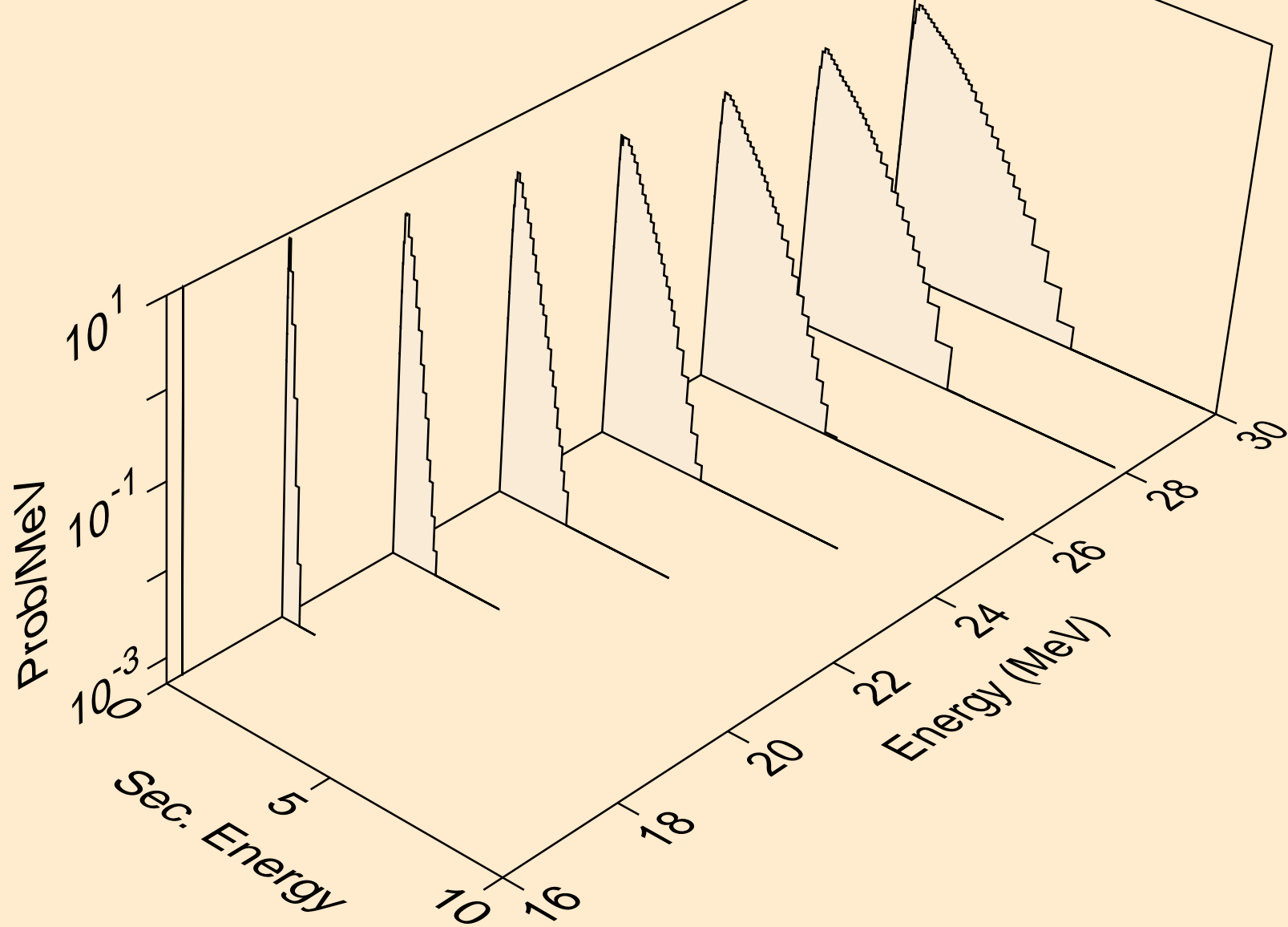
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)

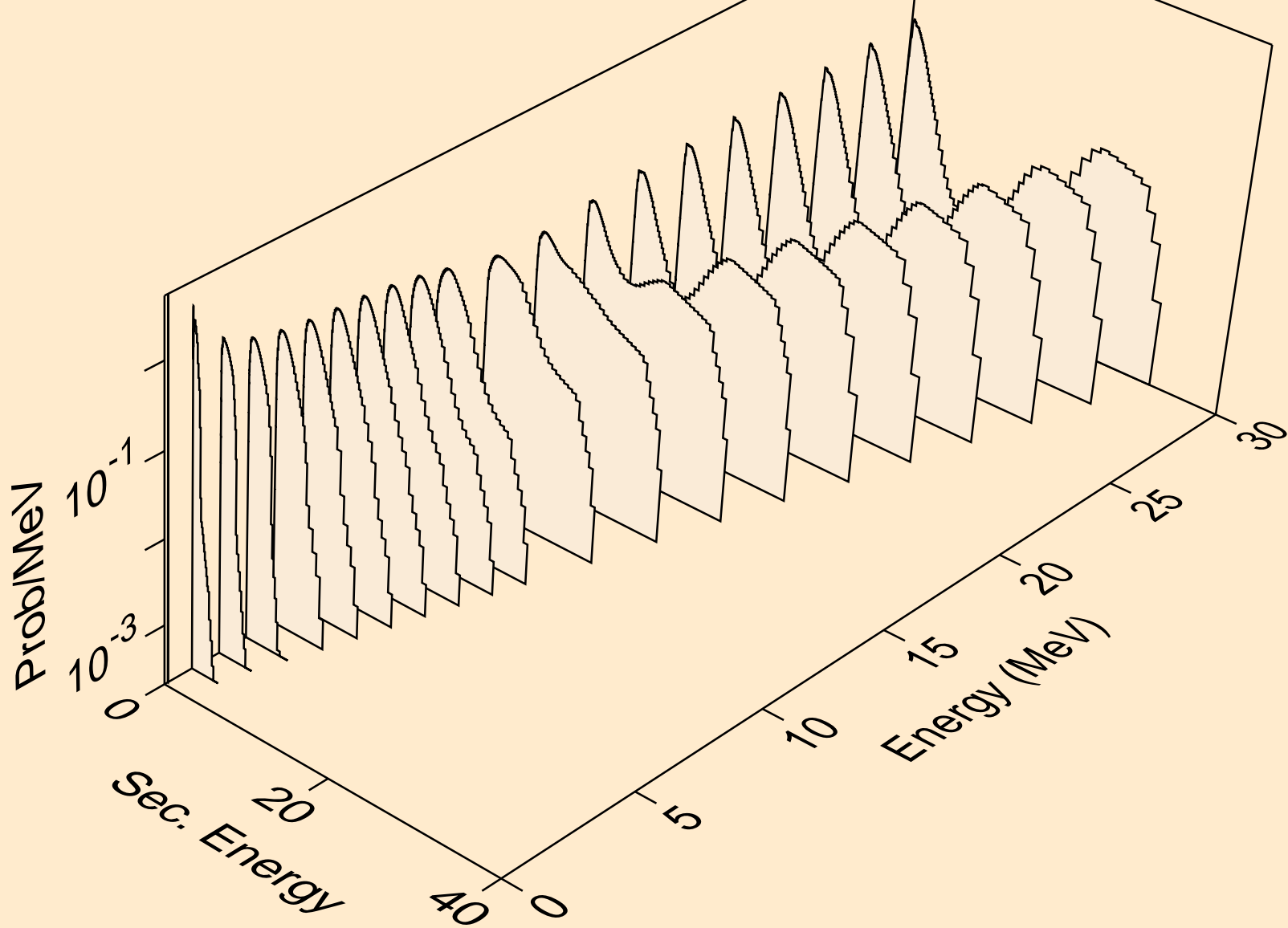


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neutrons from (p,2nd)

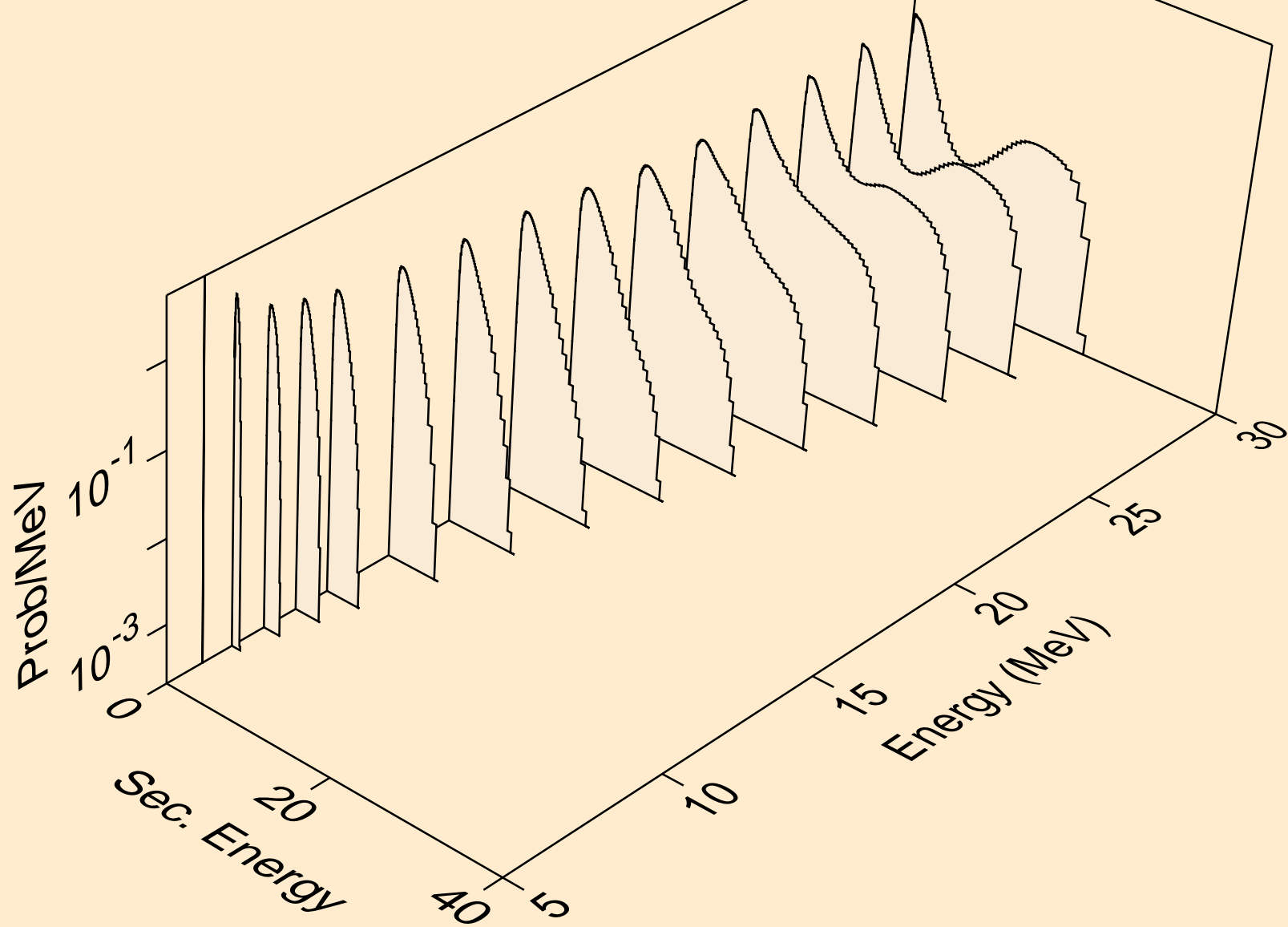




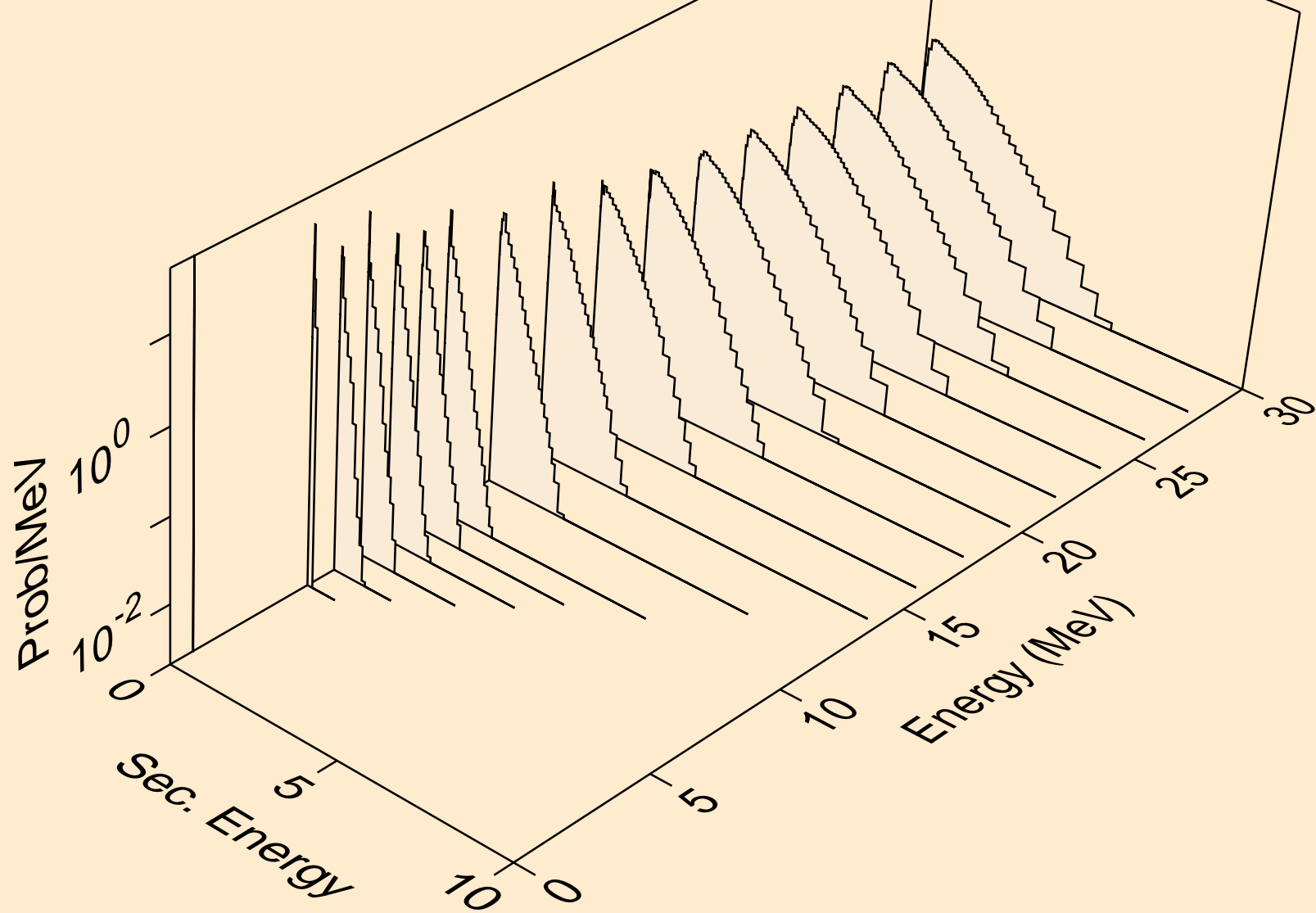
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neutrons from (p,2n)



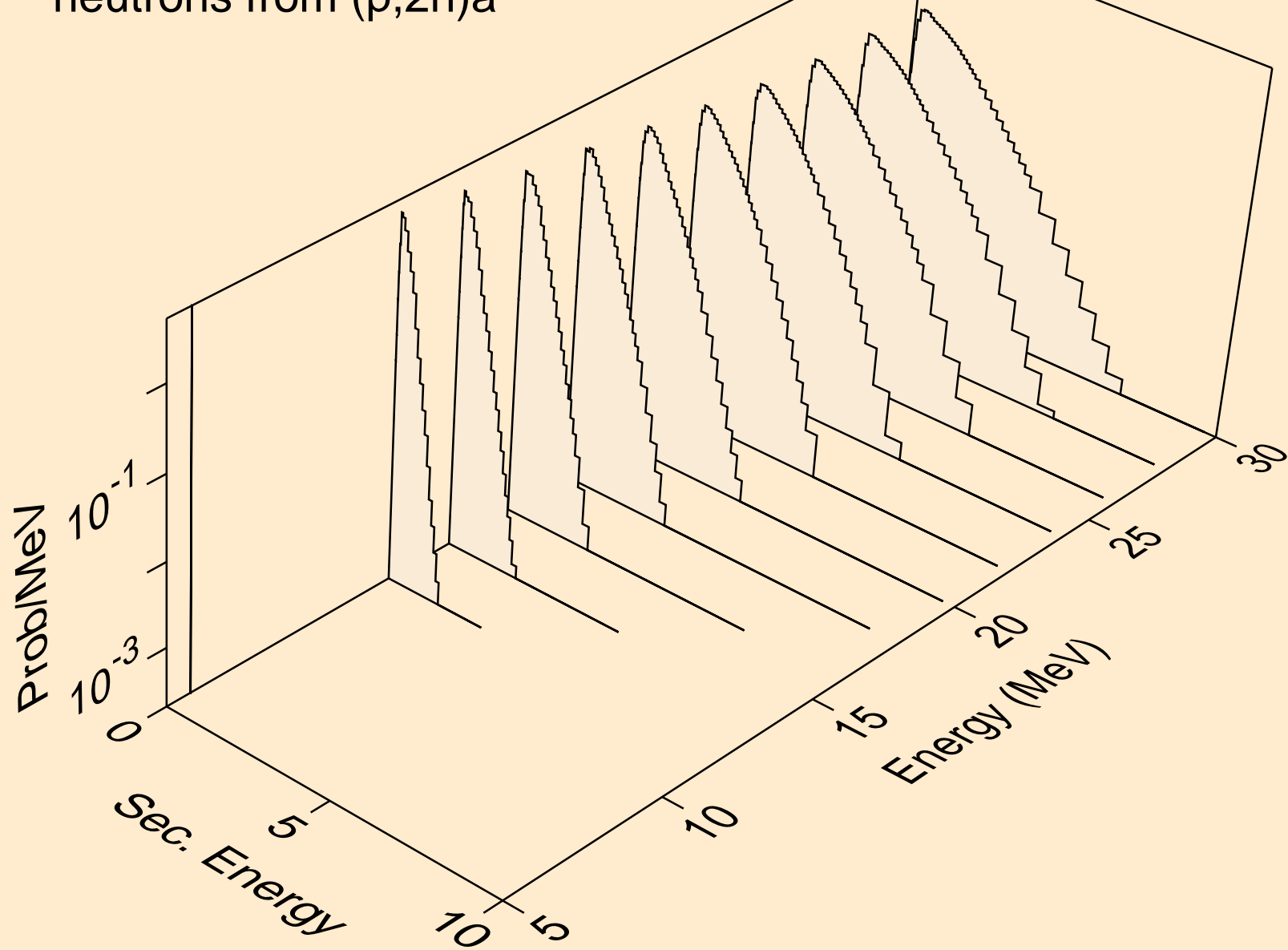
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neutrons from (p,3n)



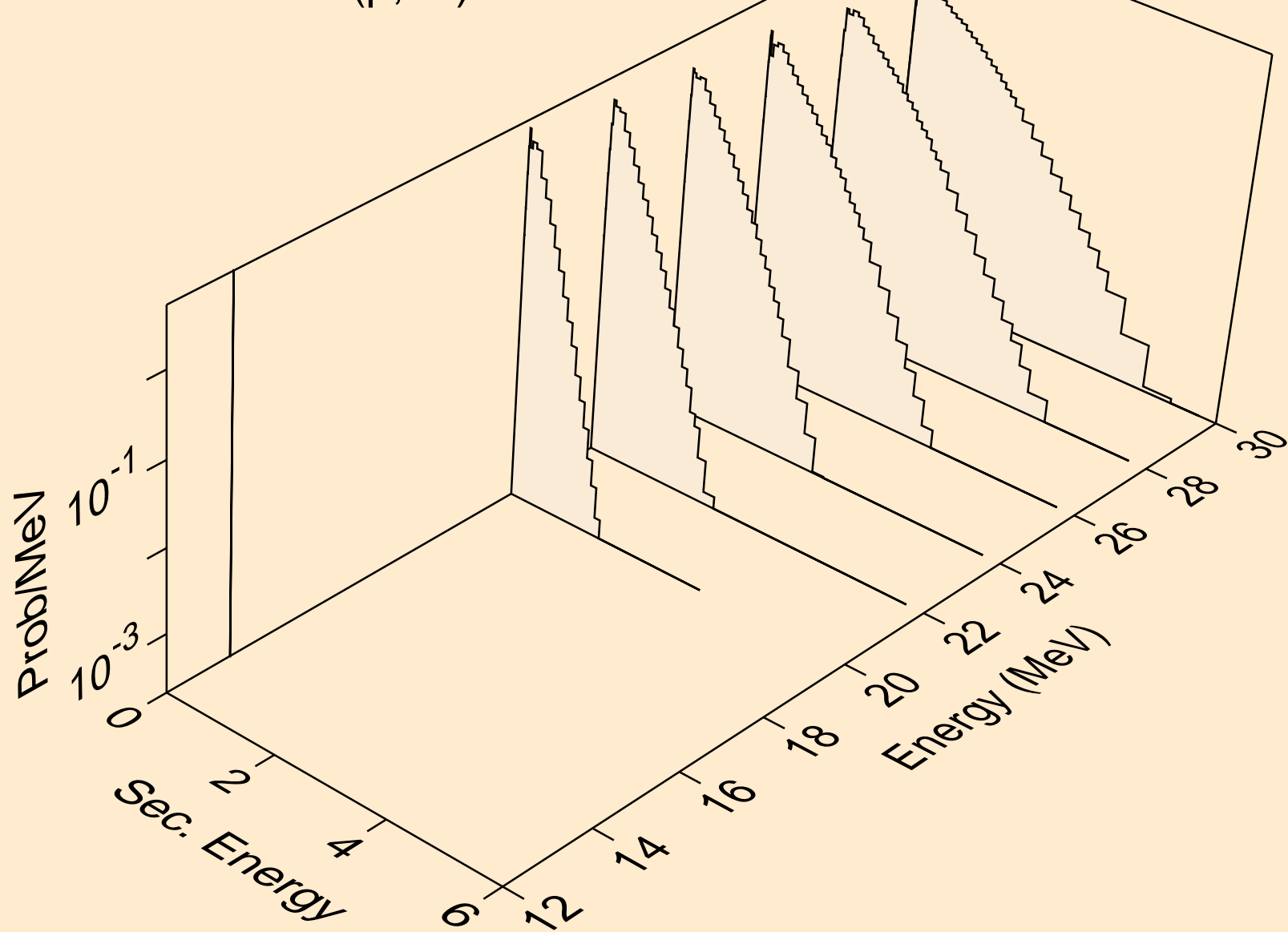
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a



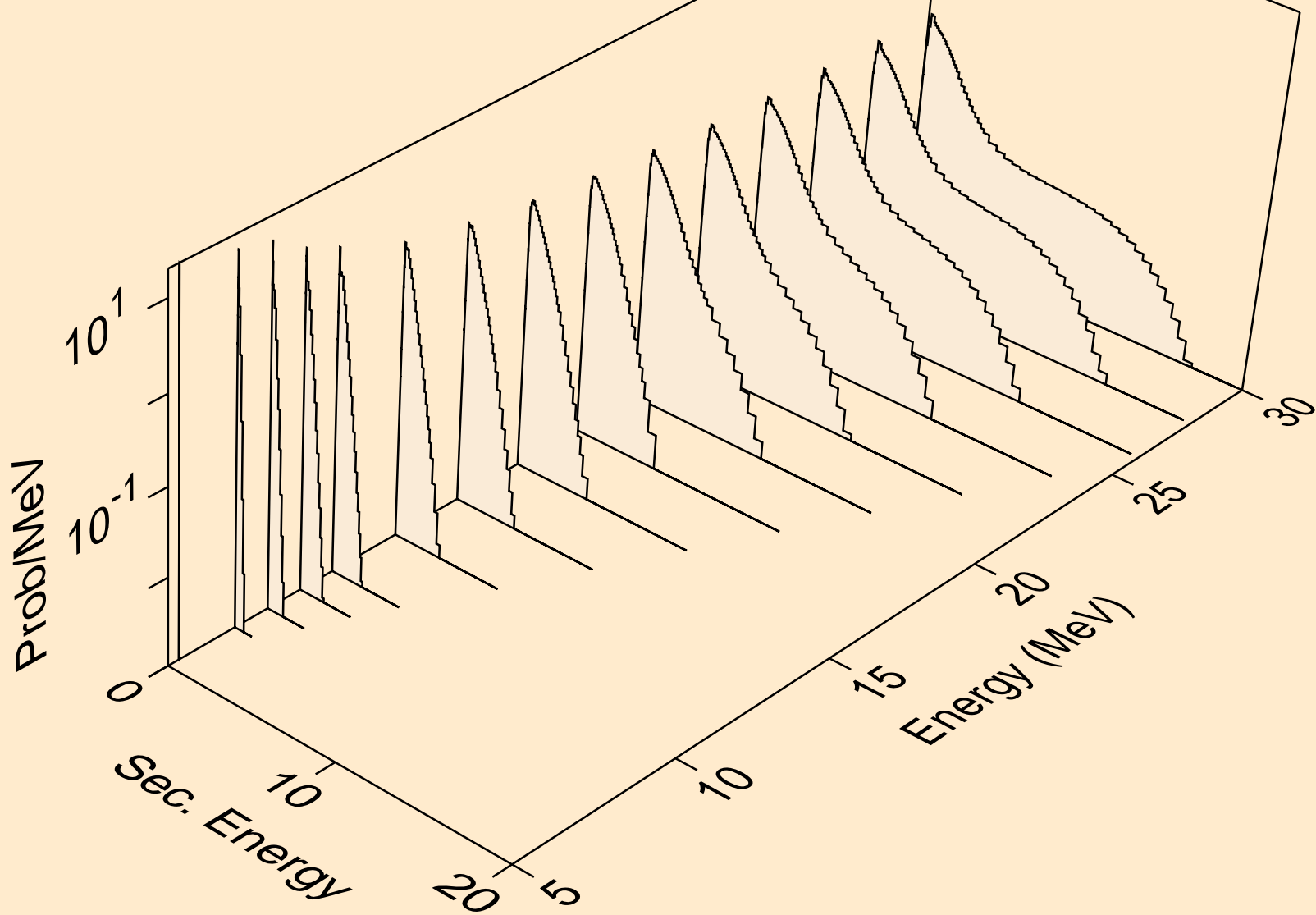
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)a



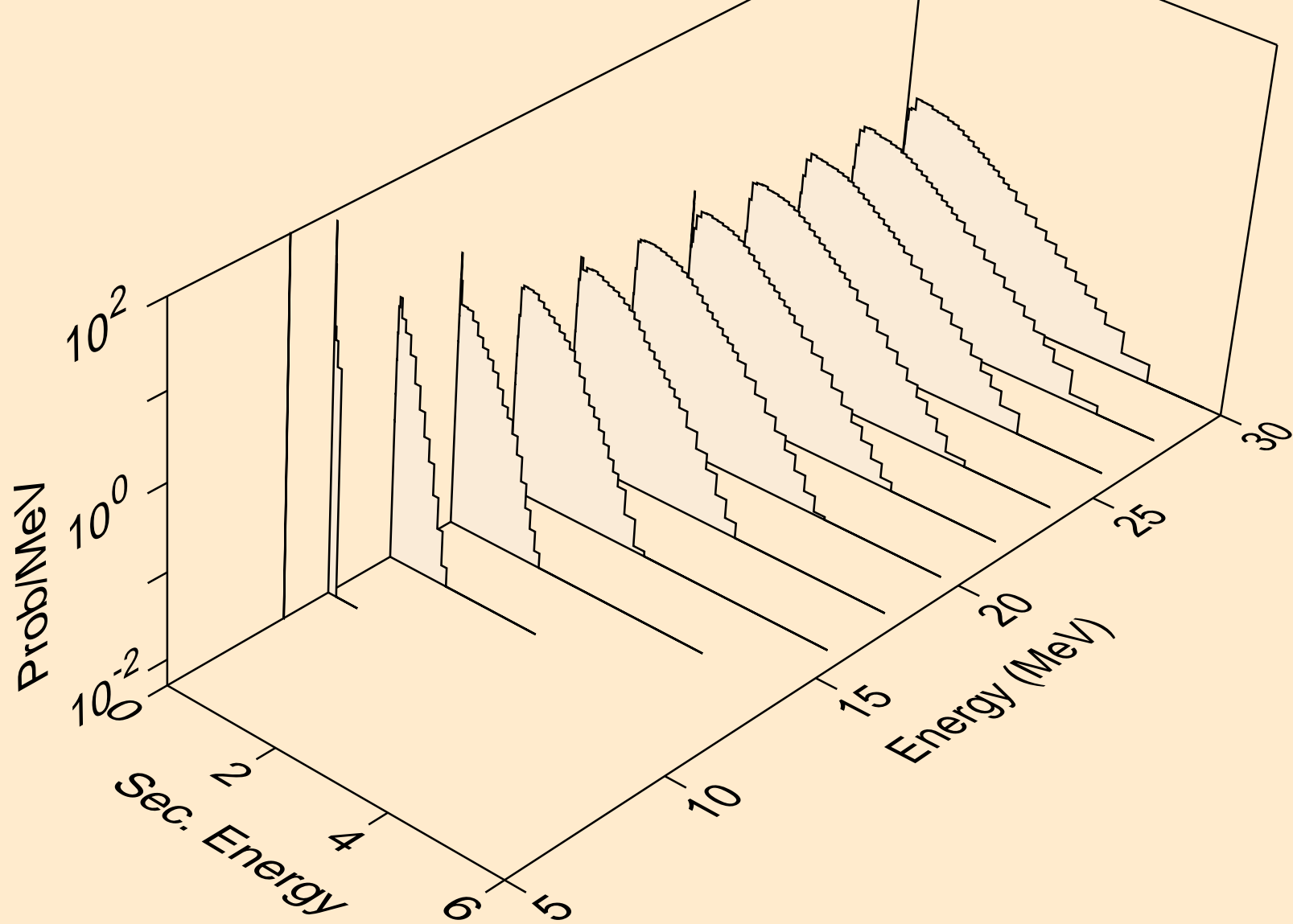
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3n)a



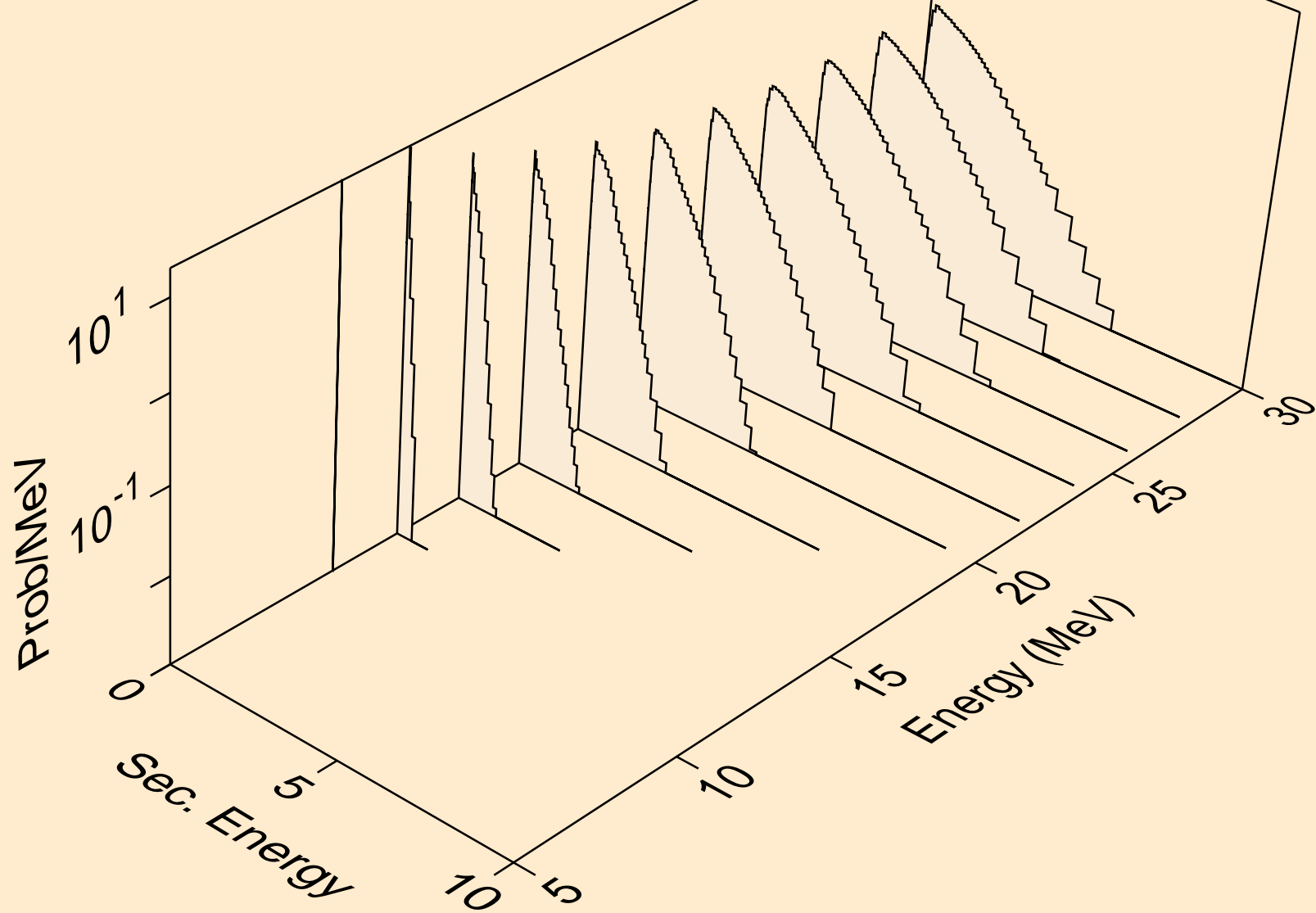
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)p



IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)d

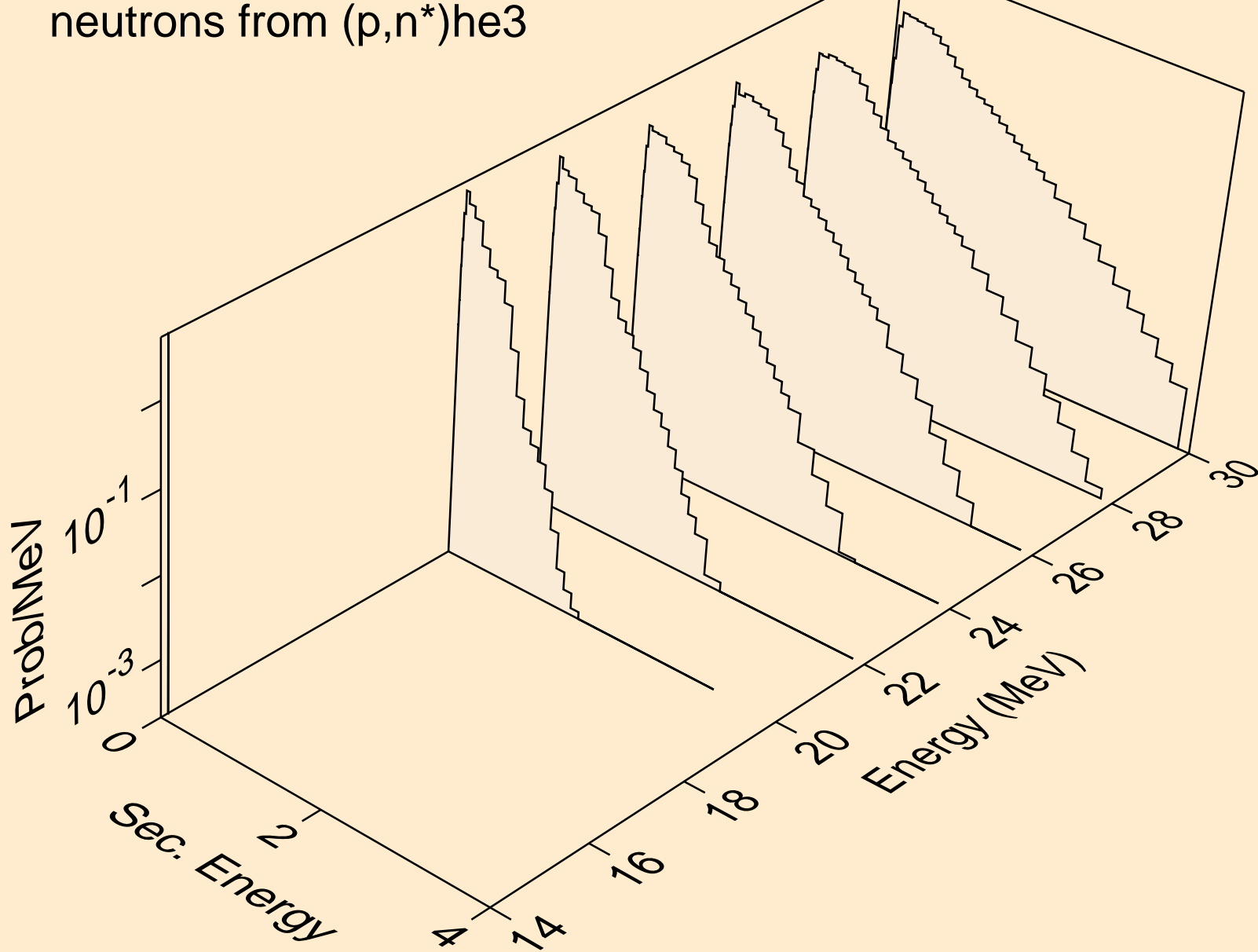


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neutrons from (p,n\*)t

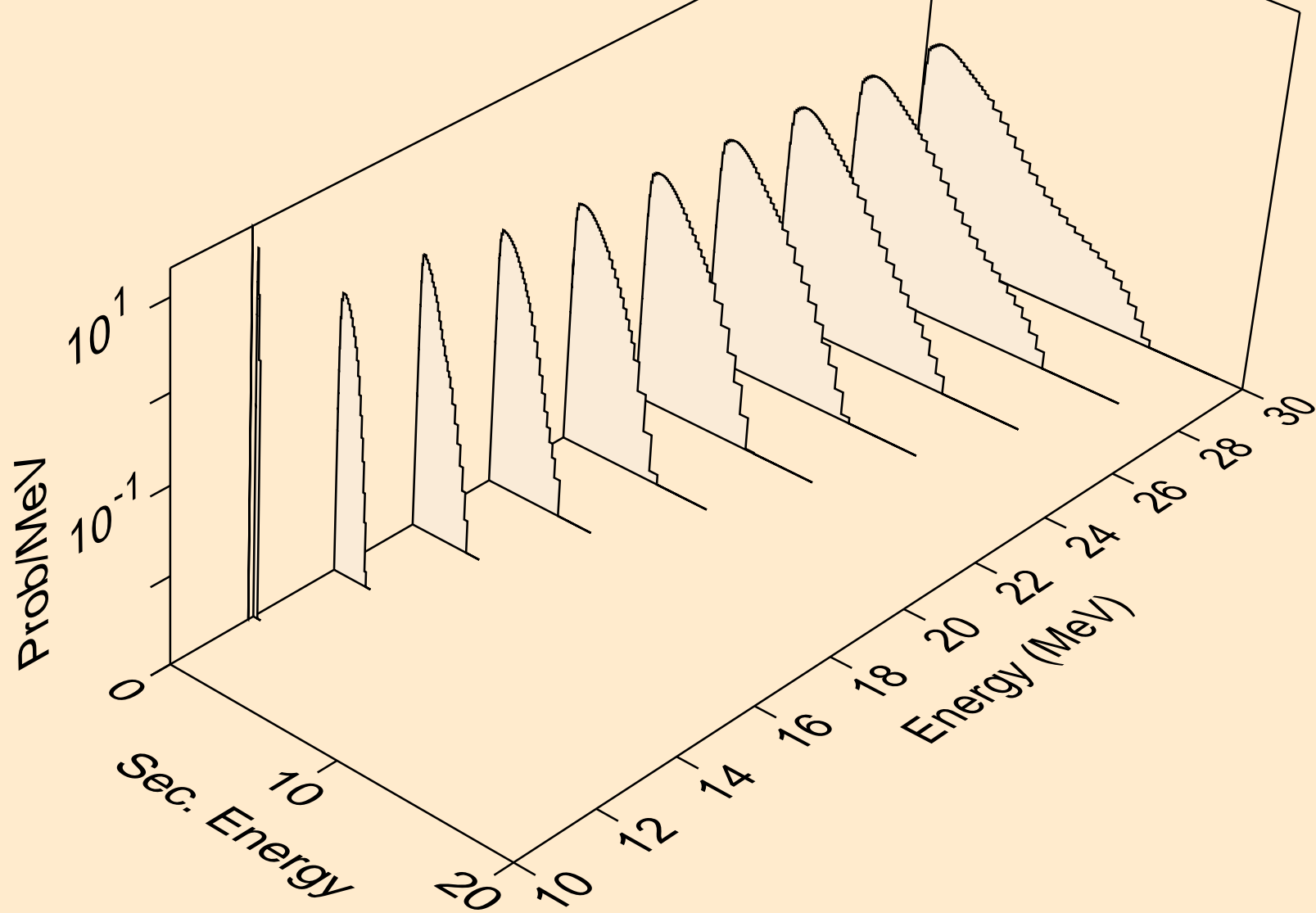




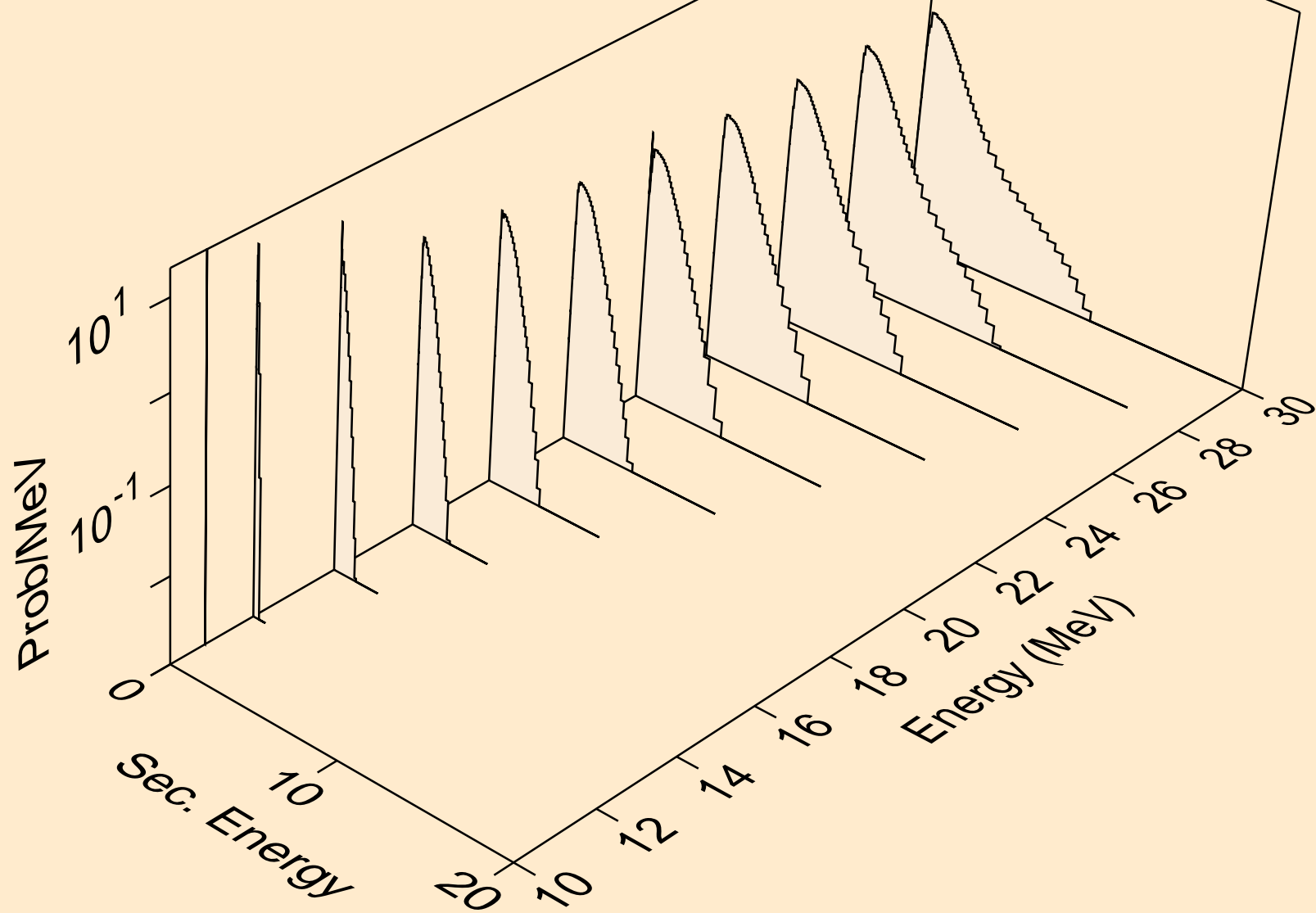
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



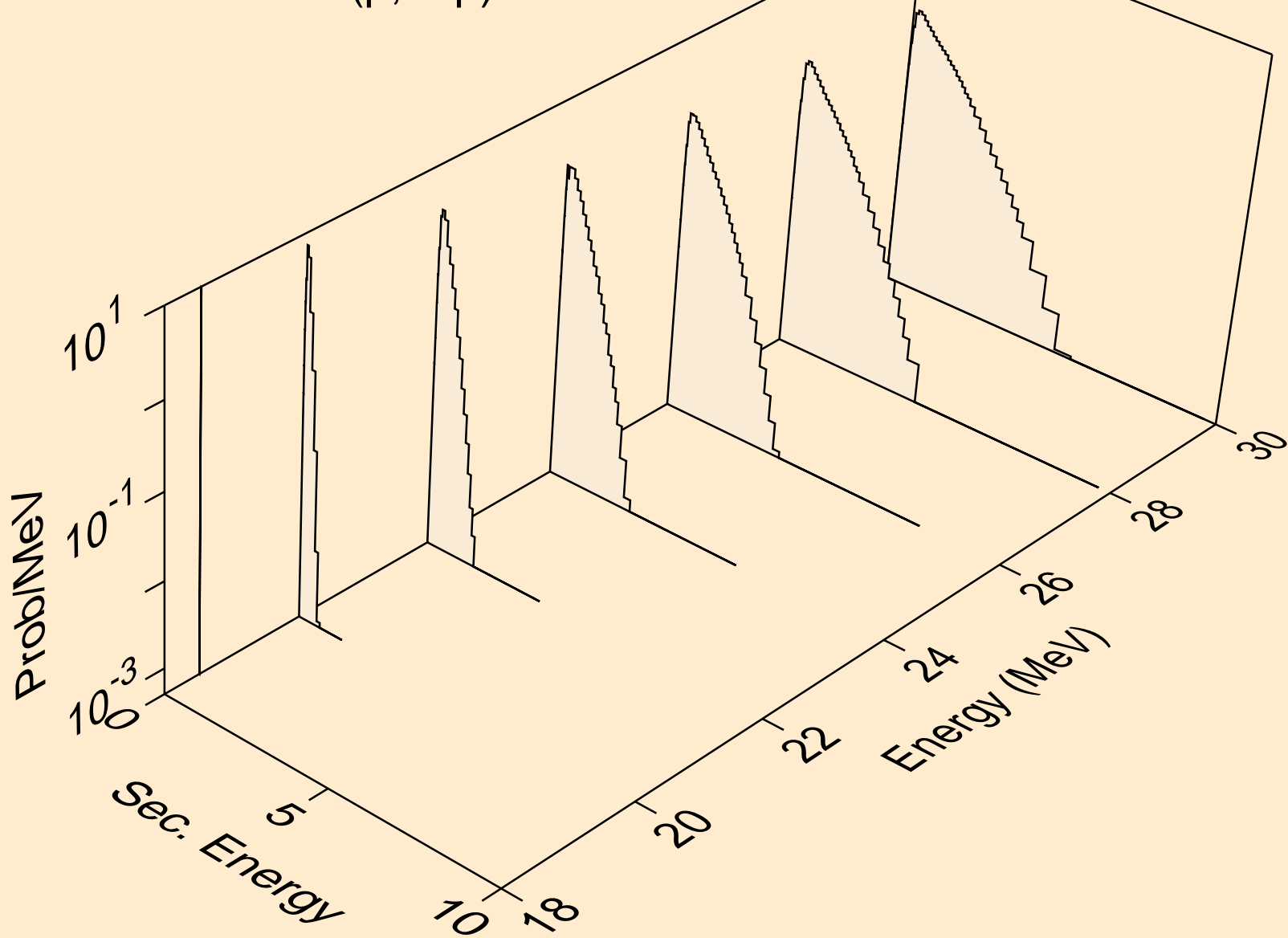
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,4n)



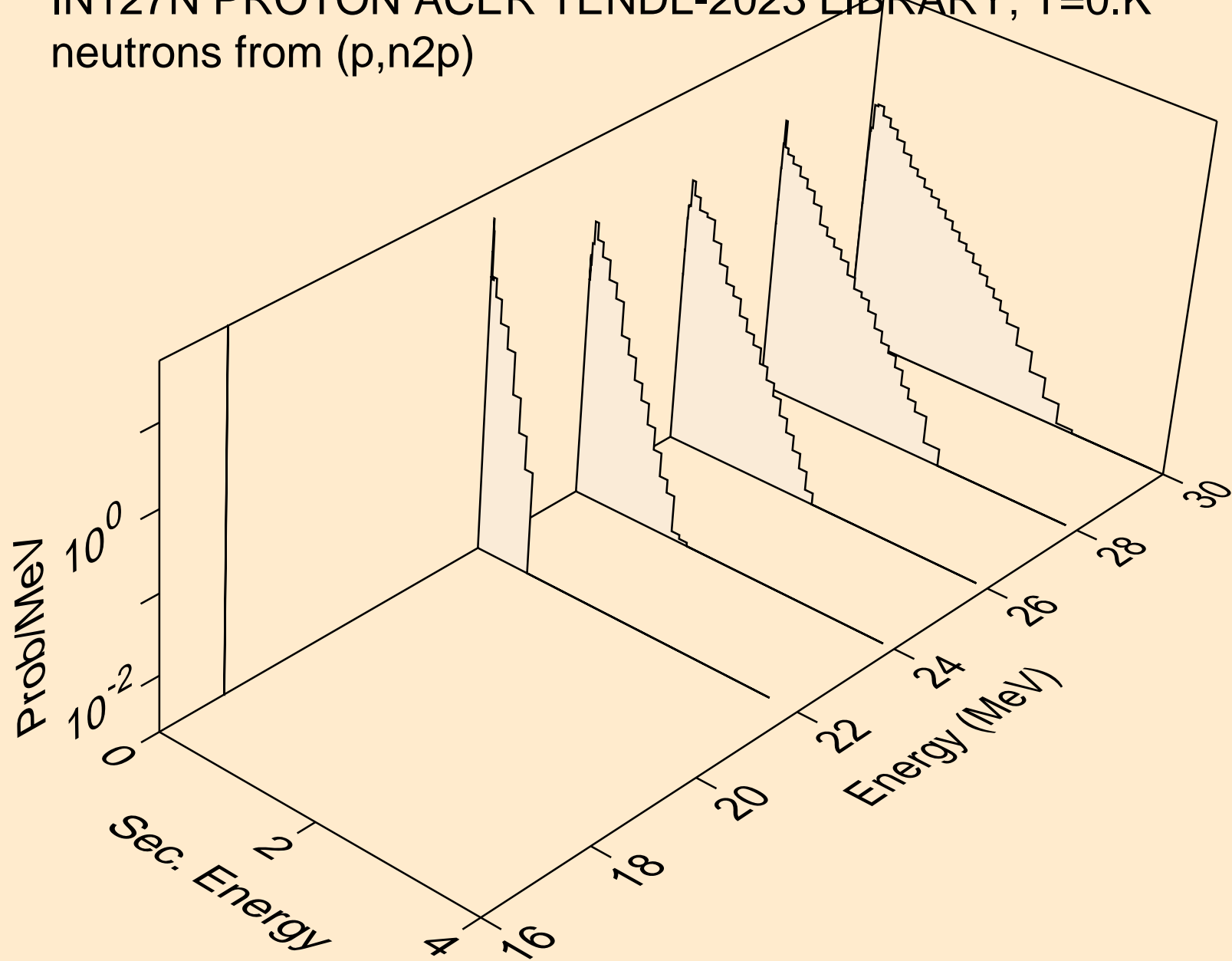
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2np)



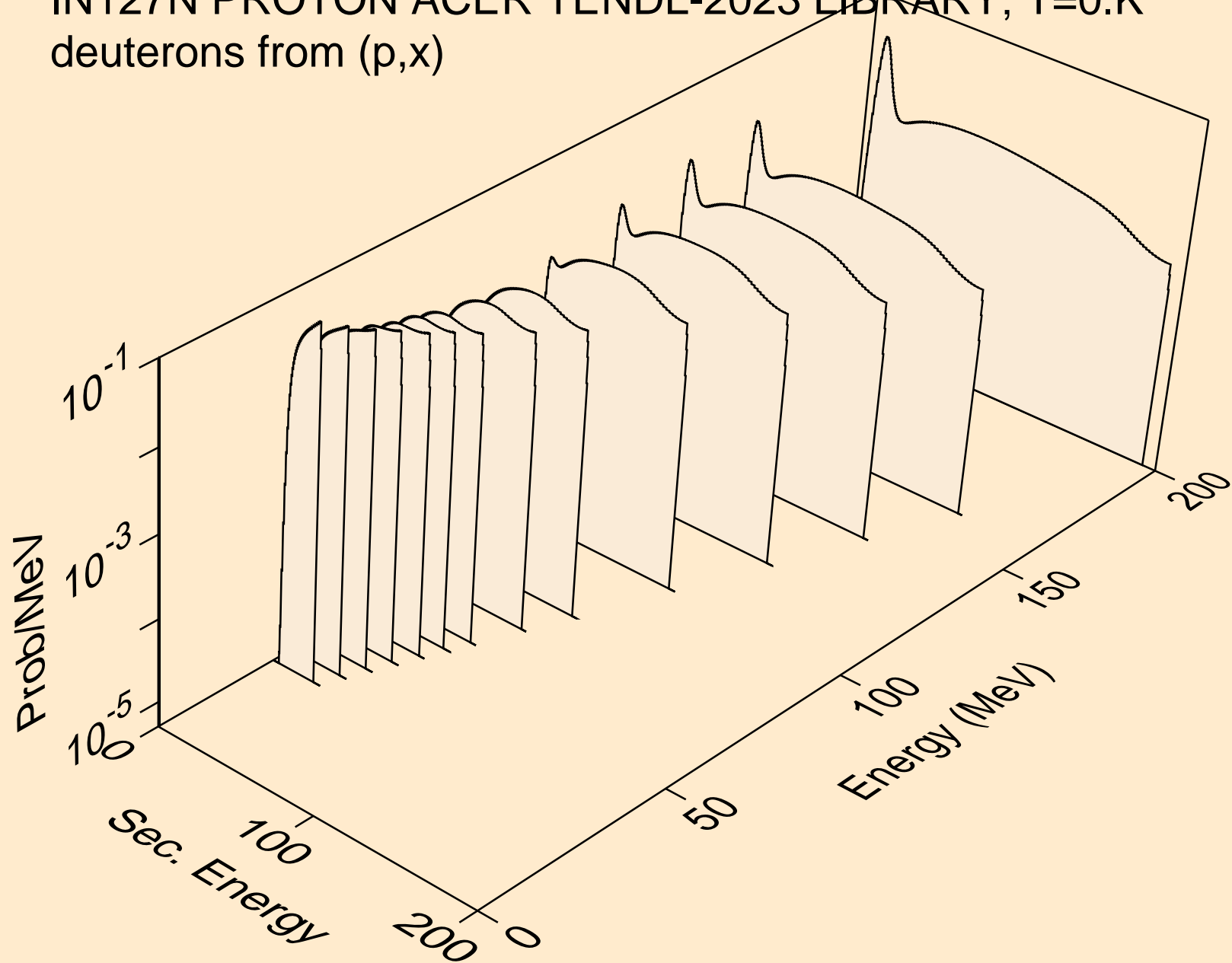
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neutrons from (p,3np)



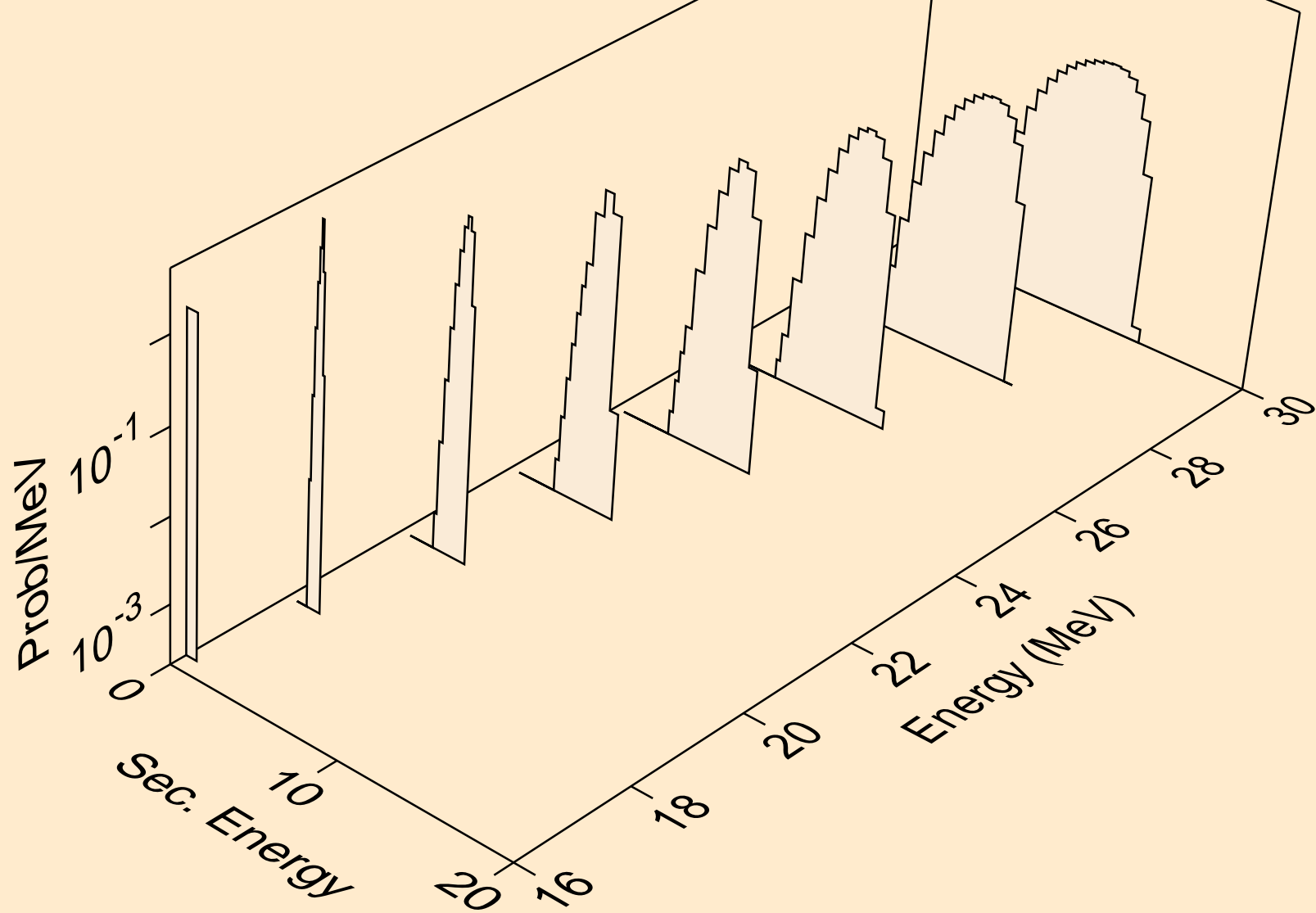
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neutrons from (p,n2p)



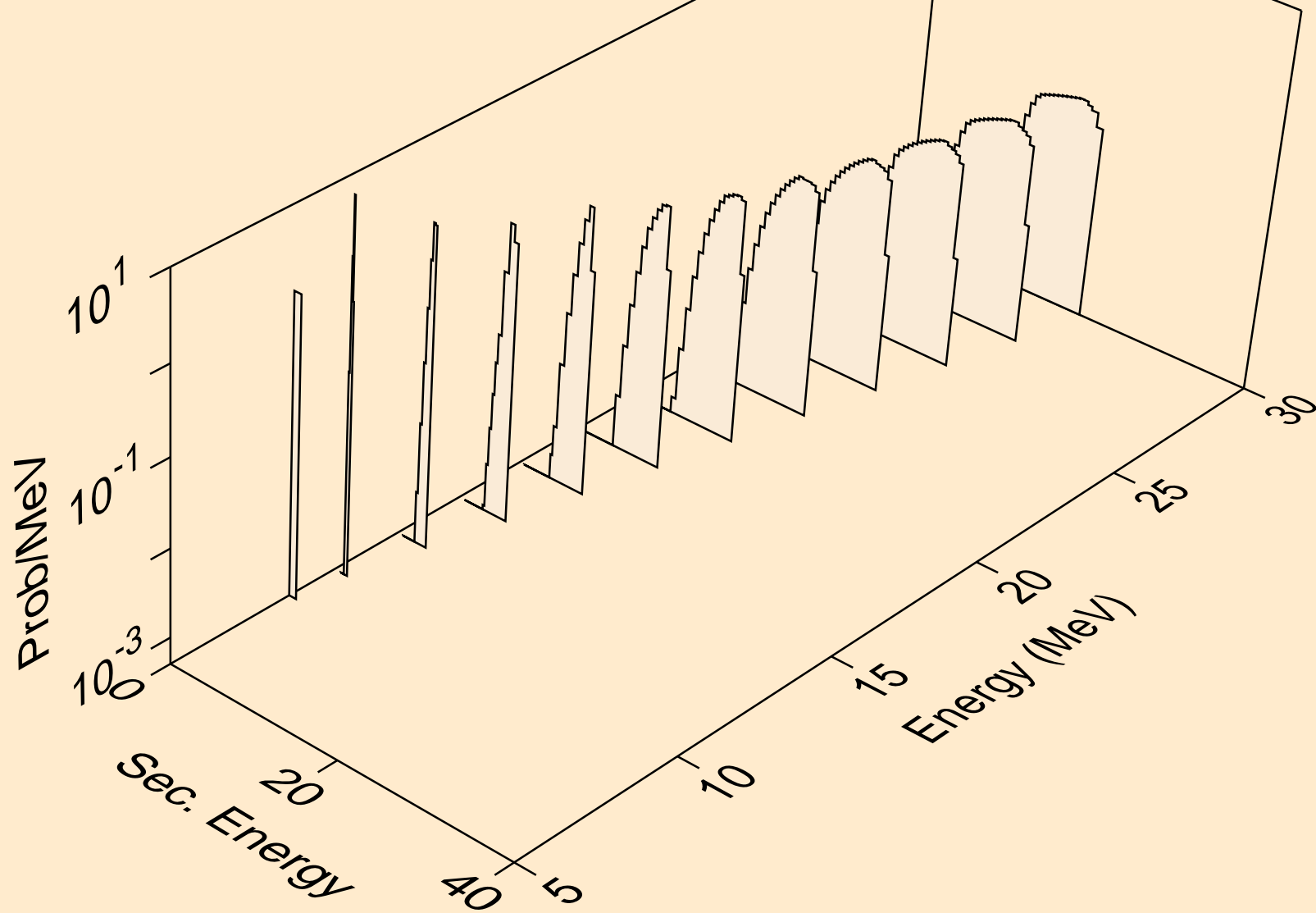
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,x)



IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,2nd)

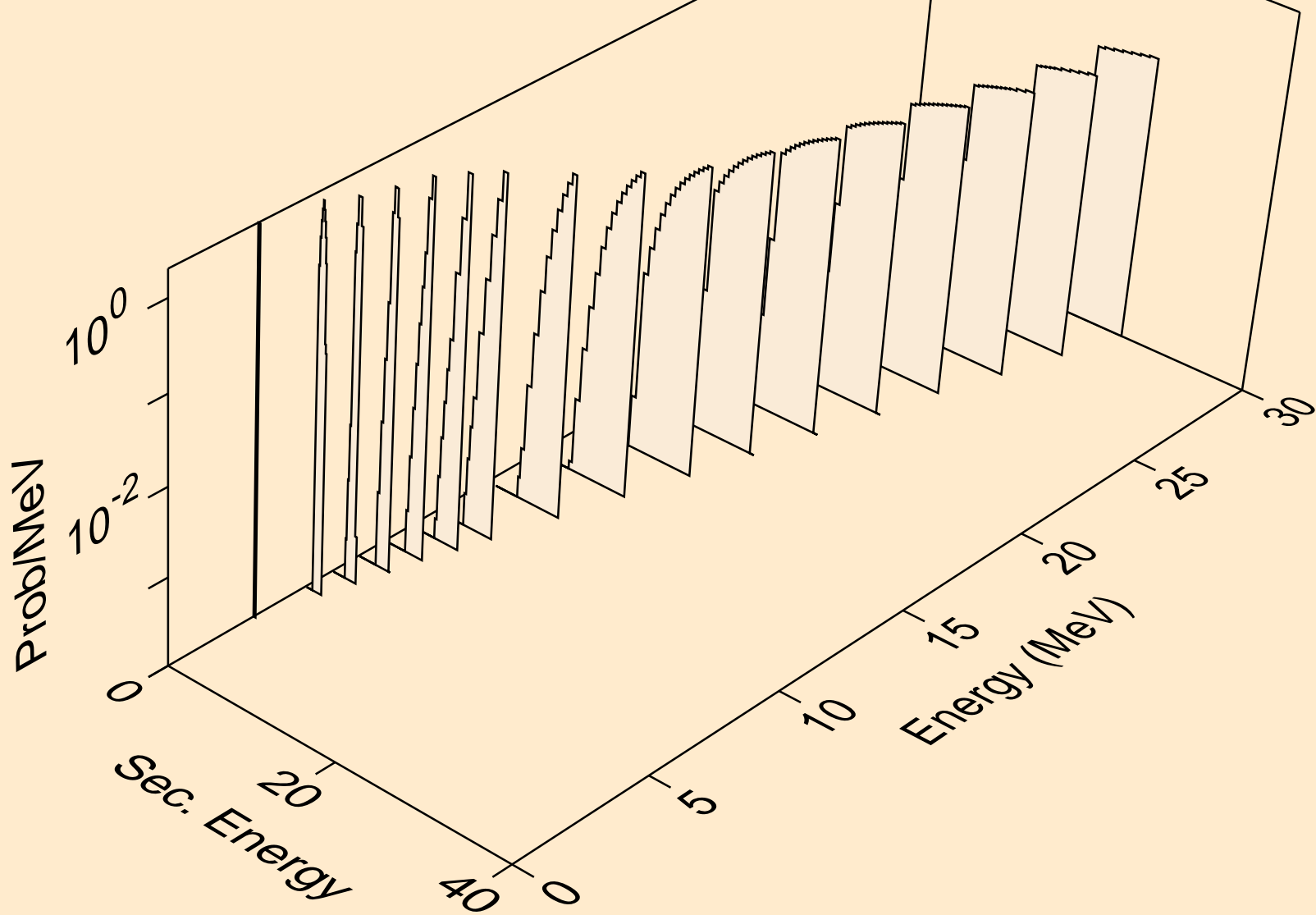


IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,n\*)d

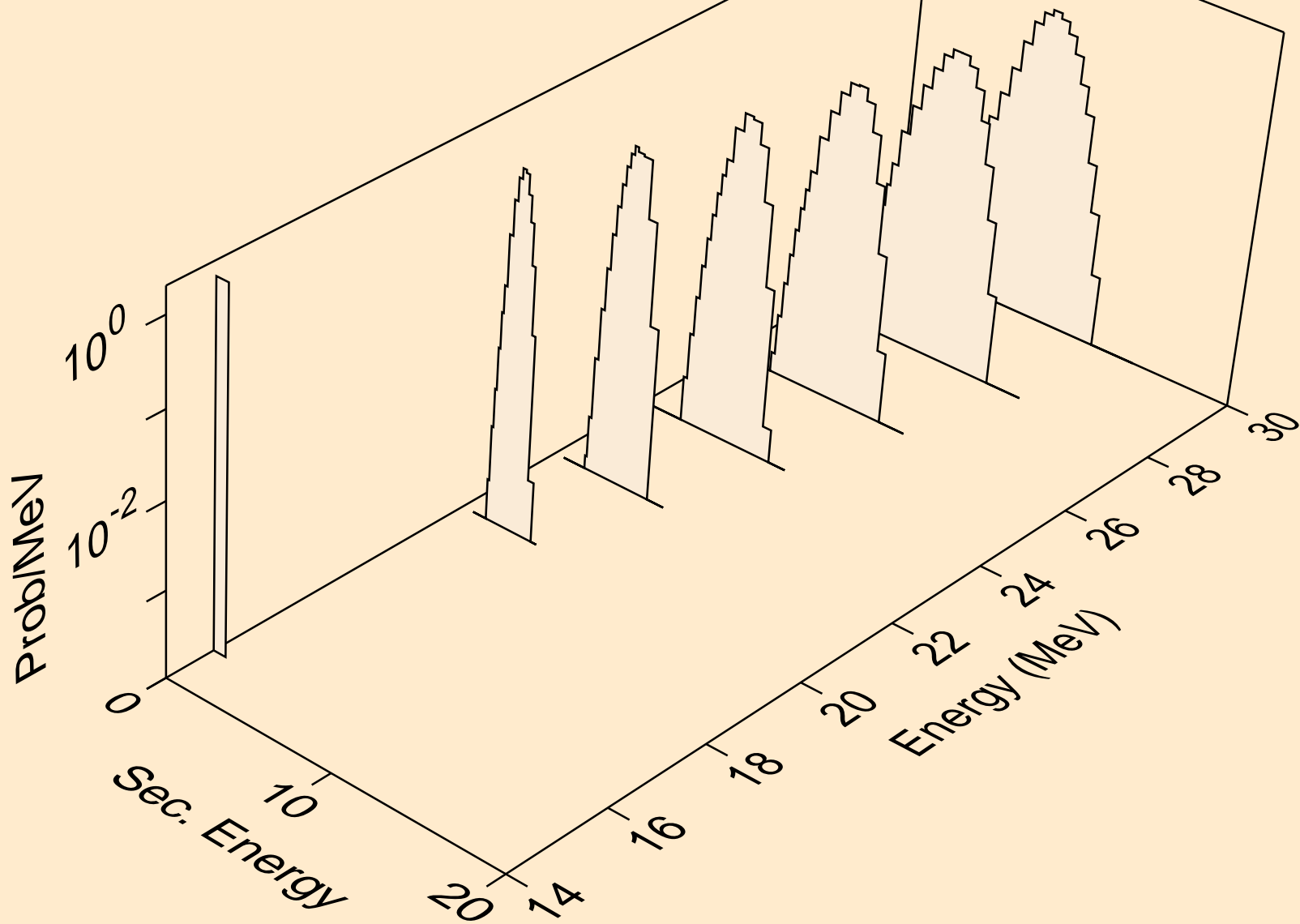




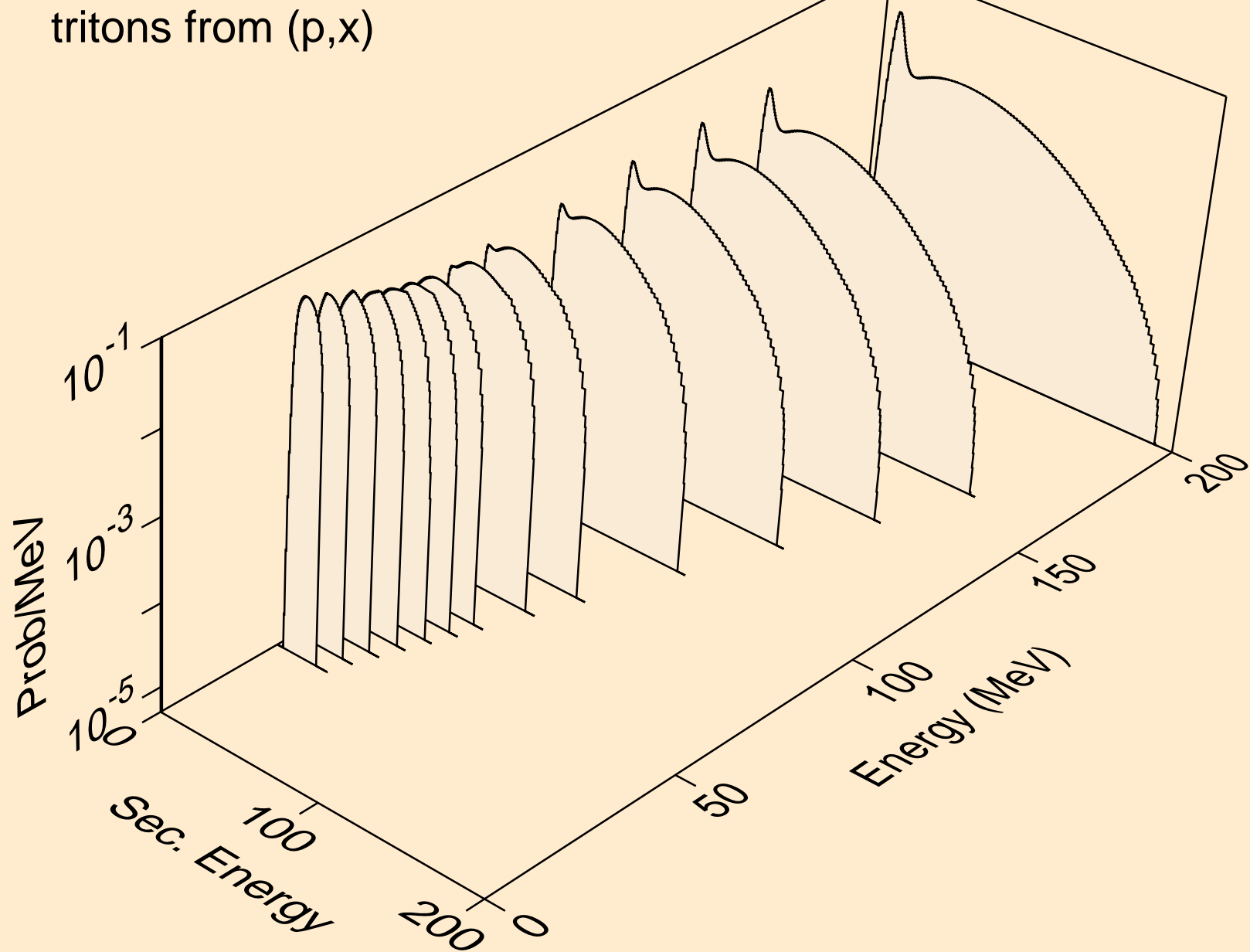
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deuterons from (p,d)



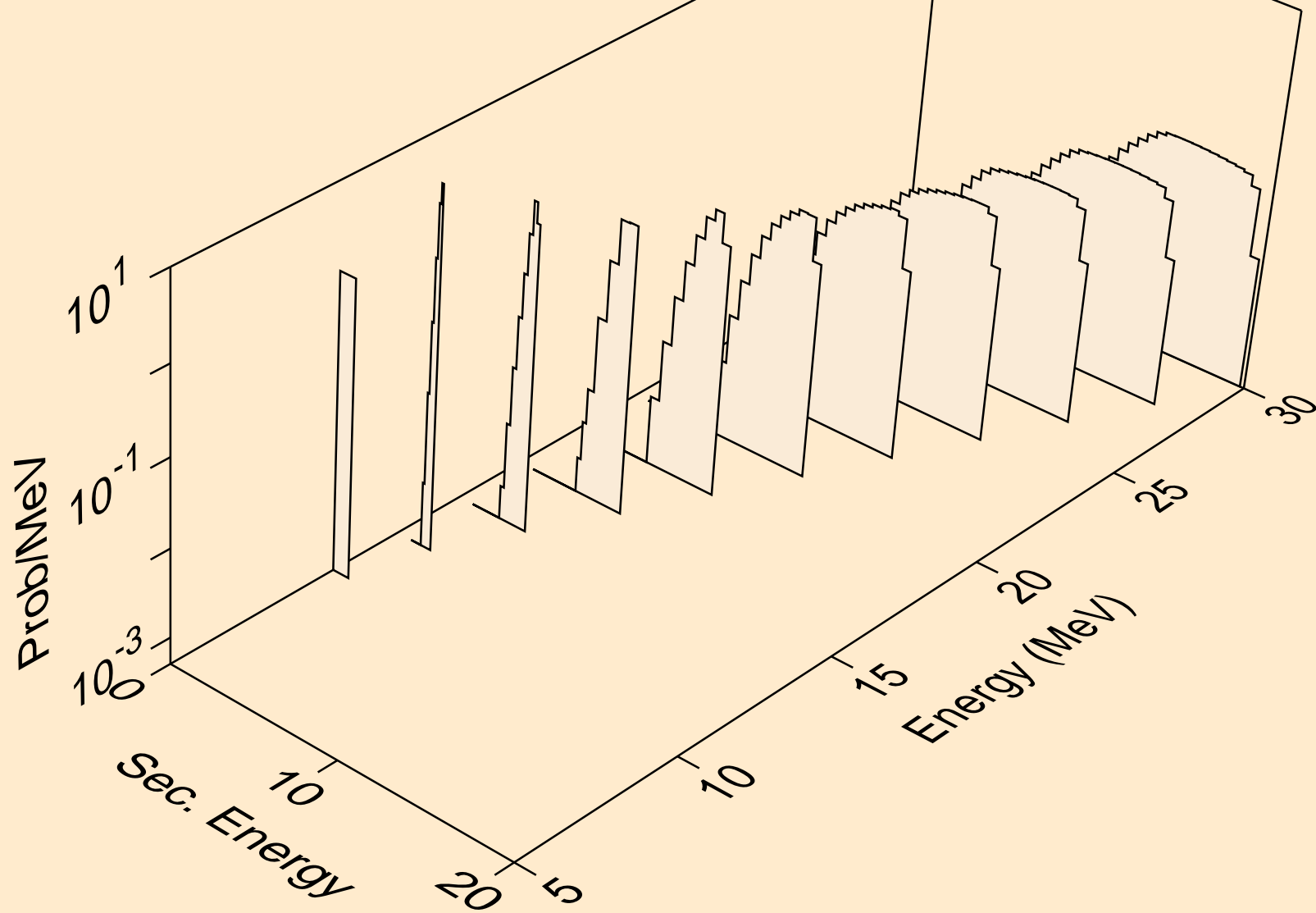
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,pd)



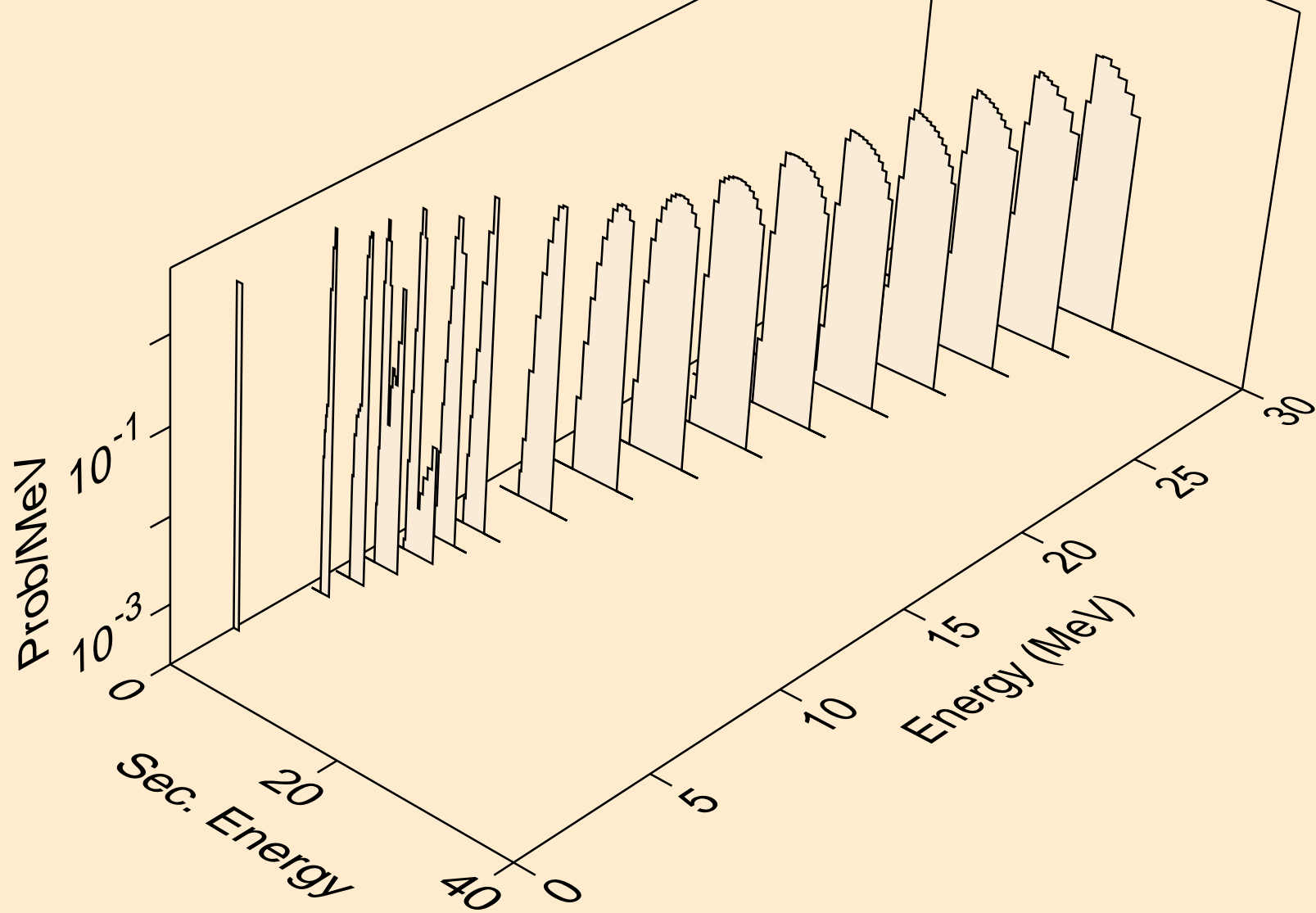
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)



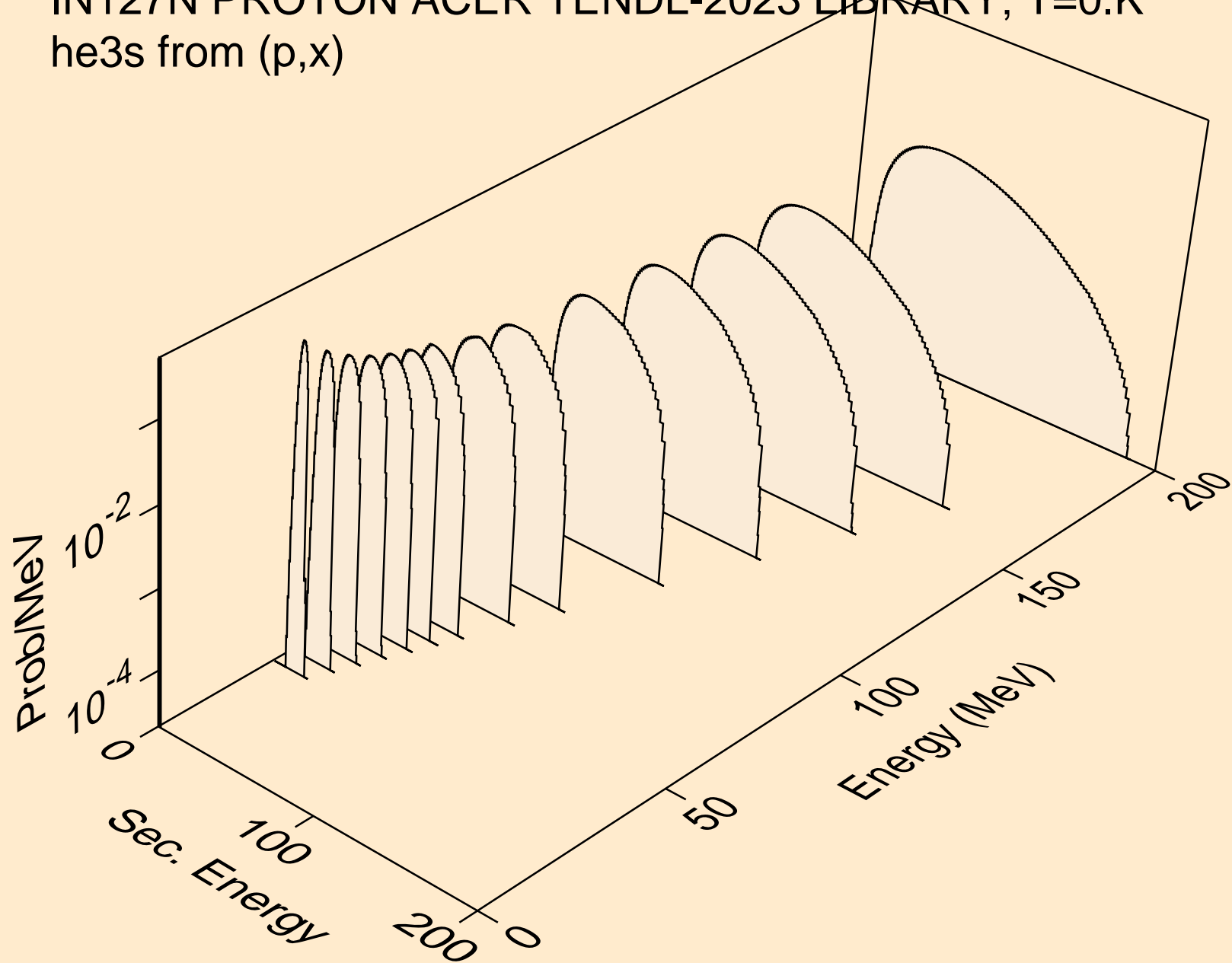
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,n\*)t



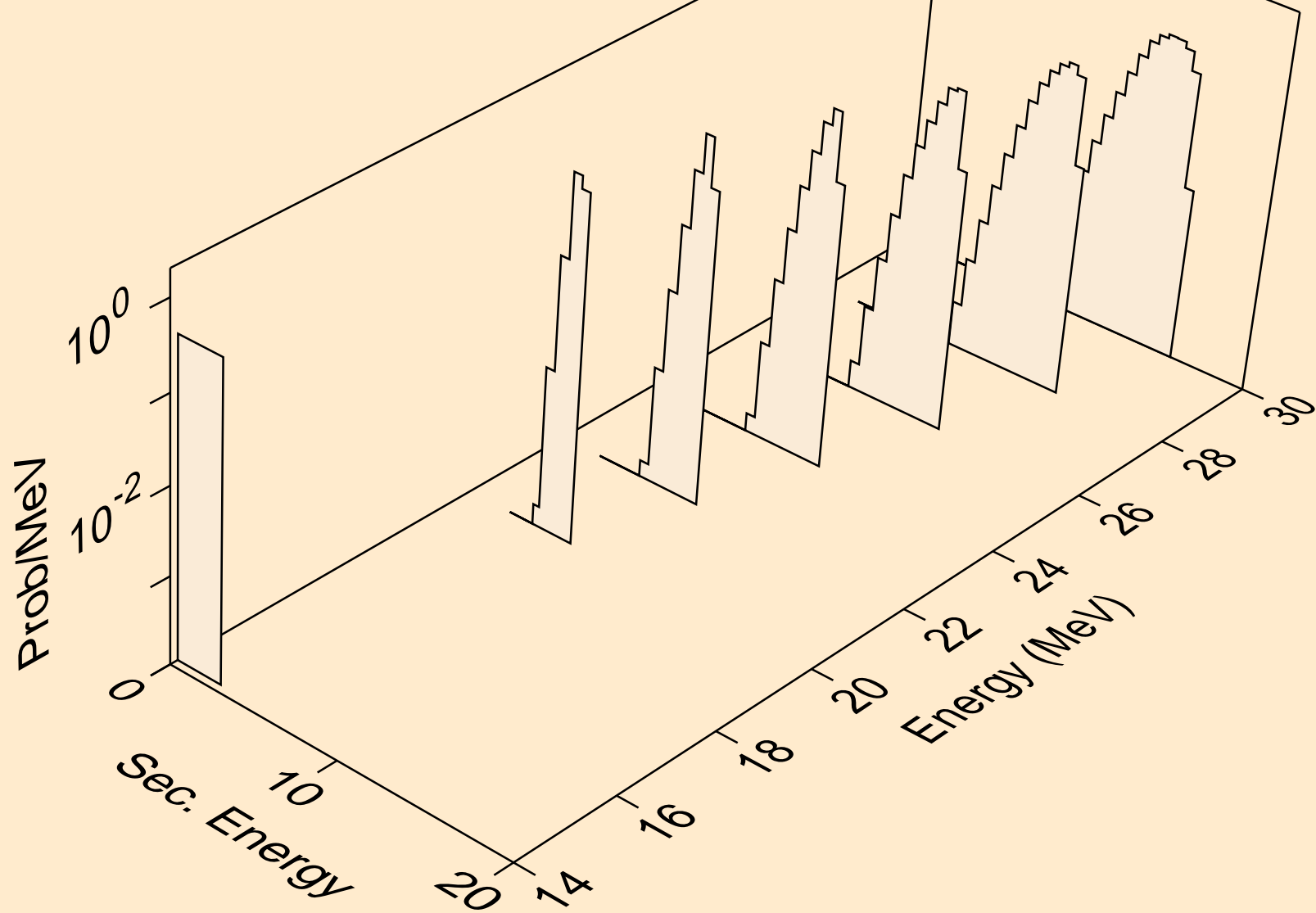
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tritons from (p,t)



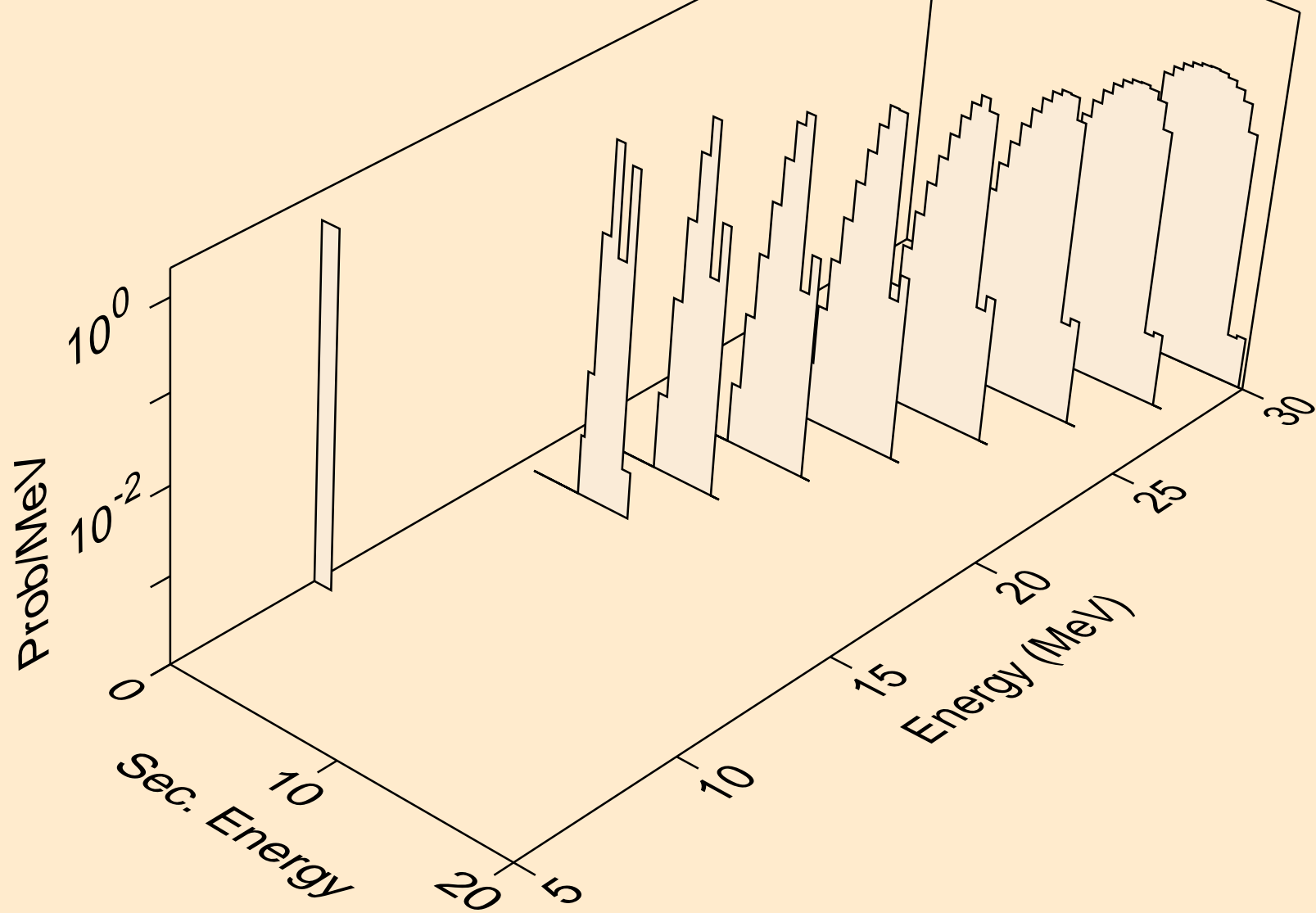
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)



IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3

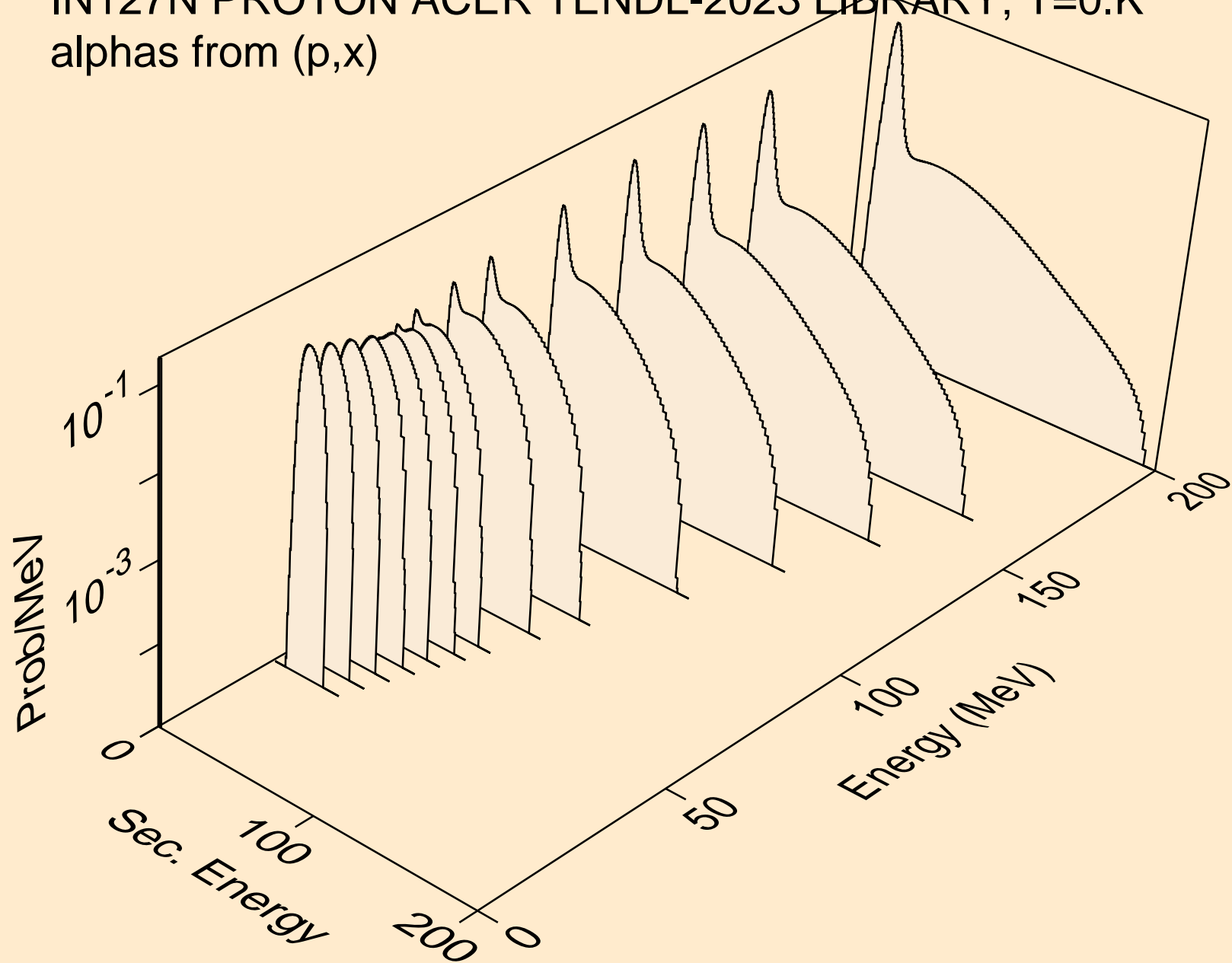


IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,he3)

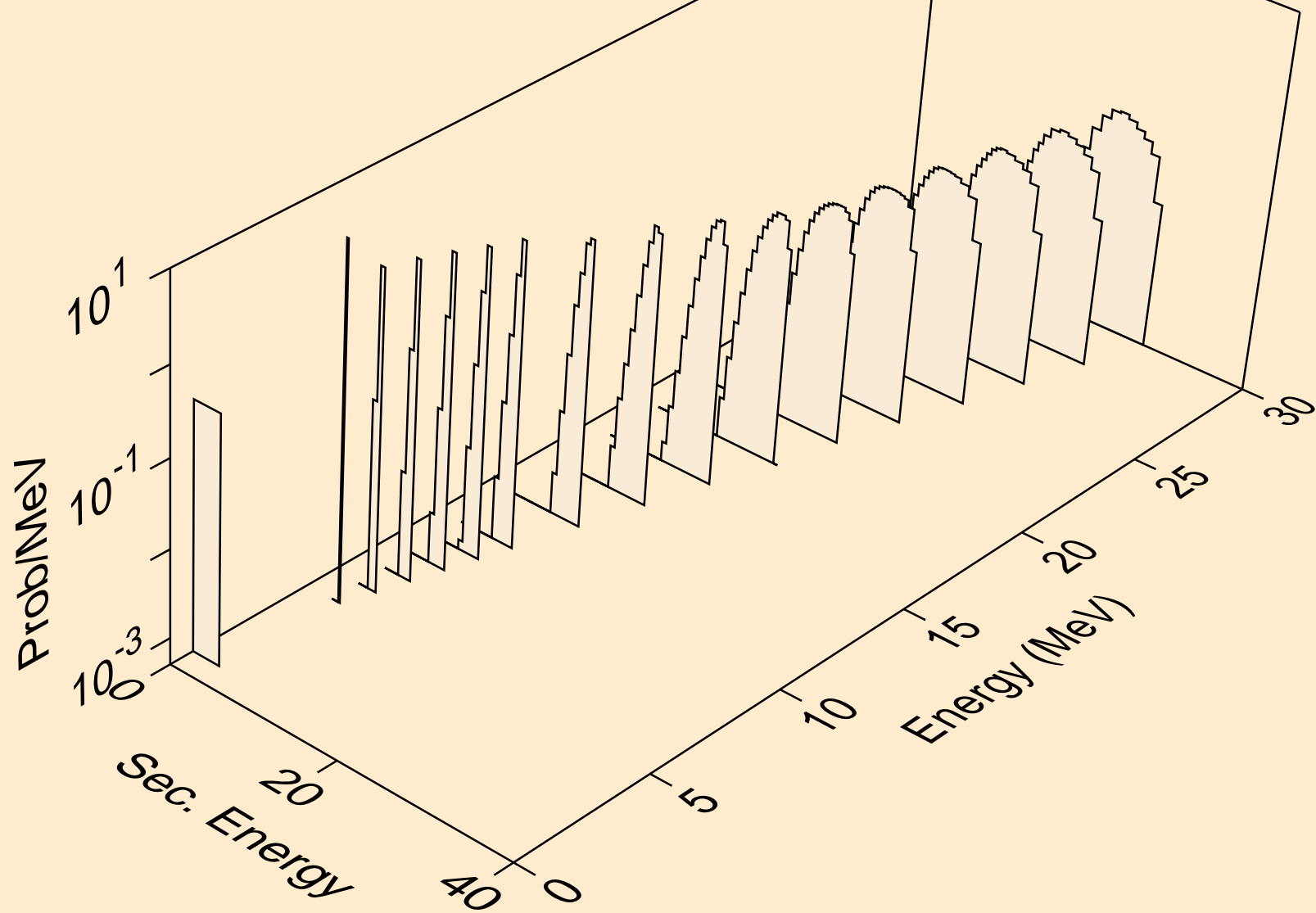




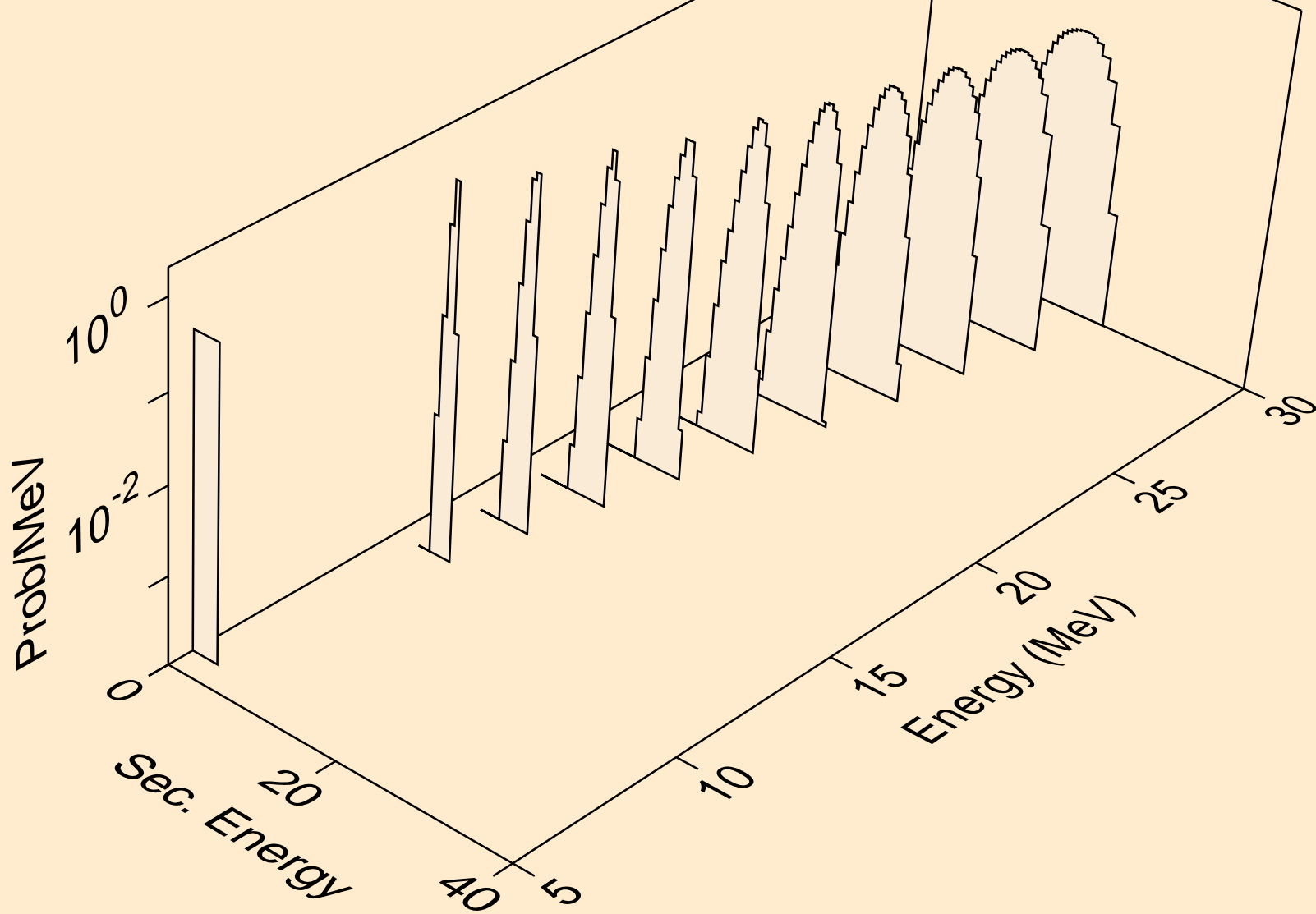
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alphas from (p,x)



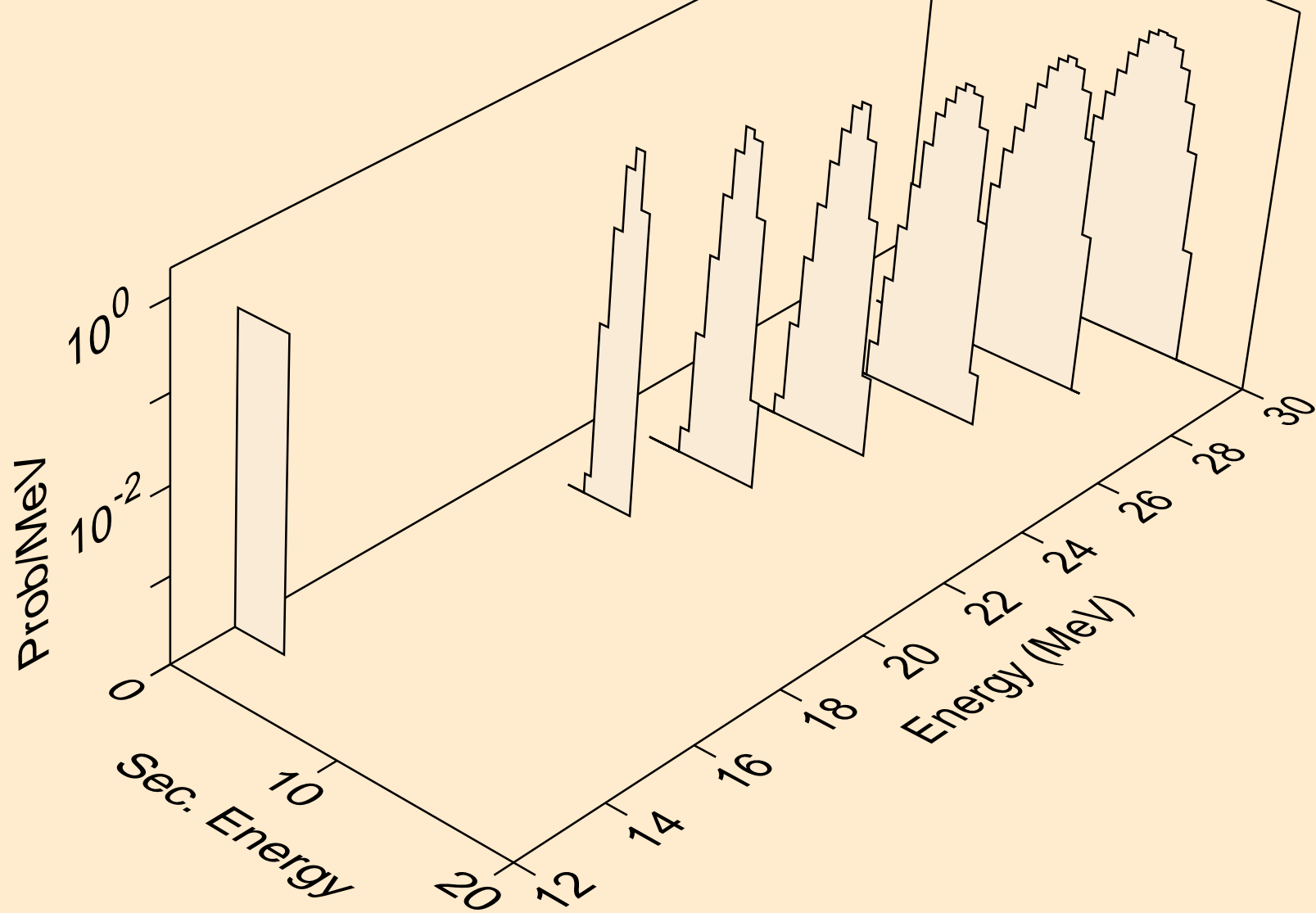
IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a



IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)a



IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3n)a



IN127N PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)

