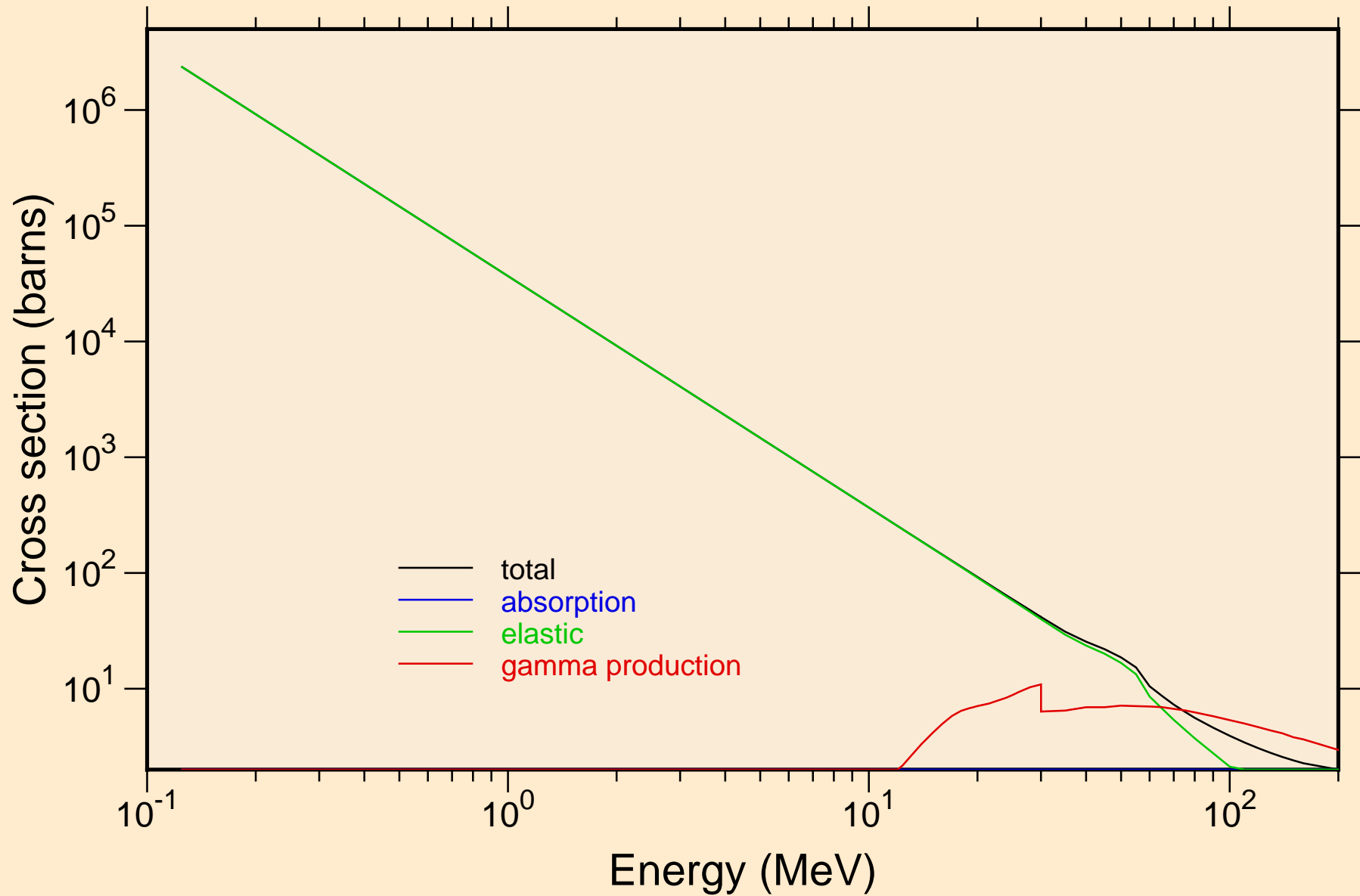
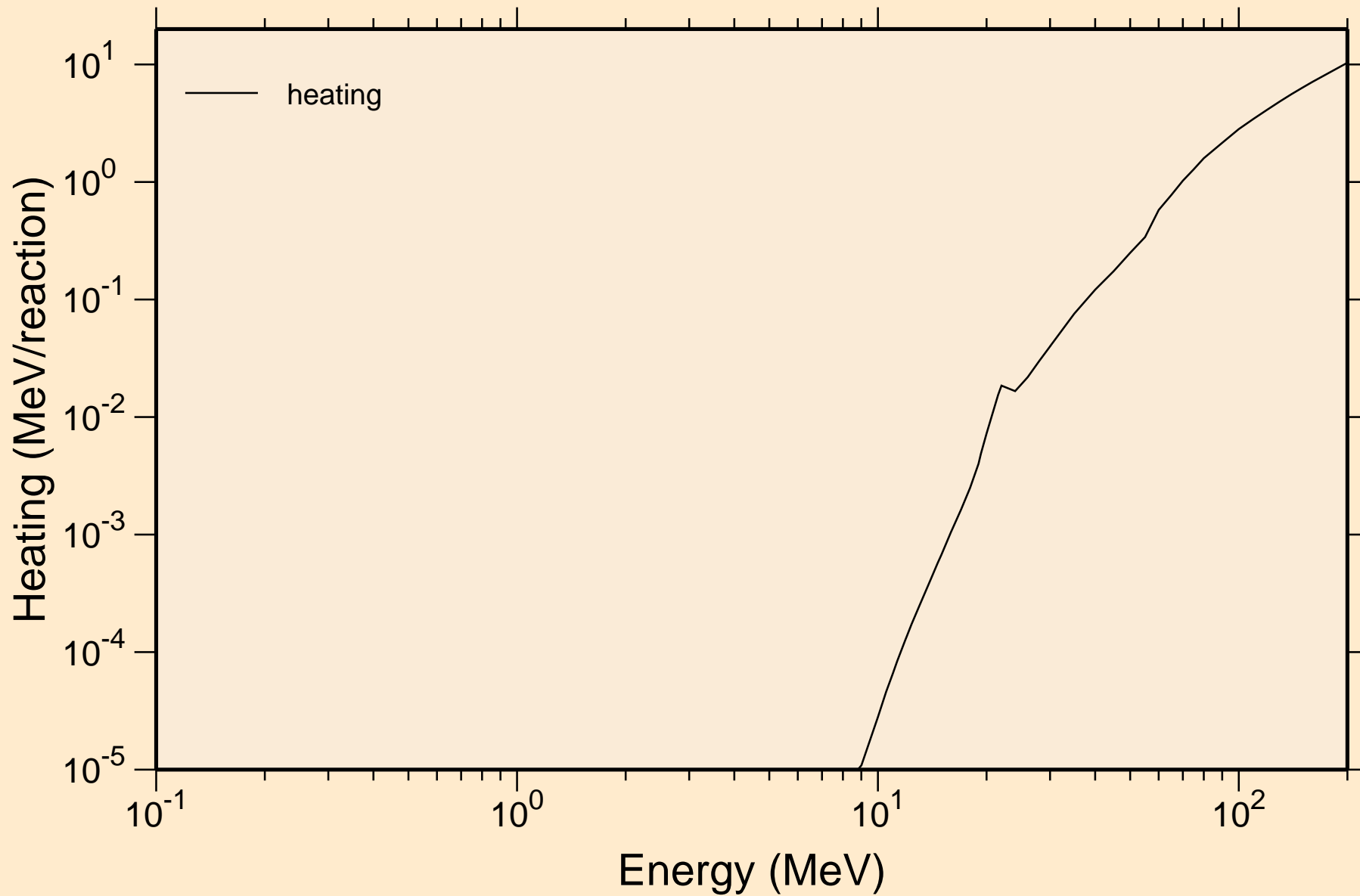


# IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

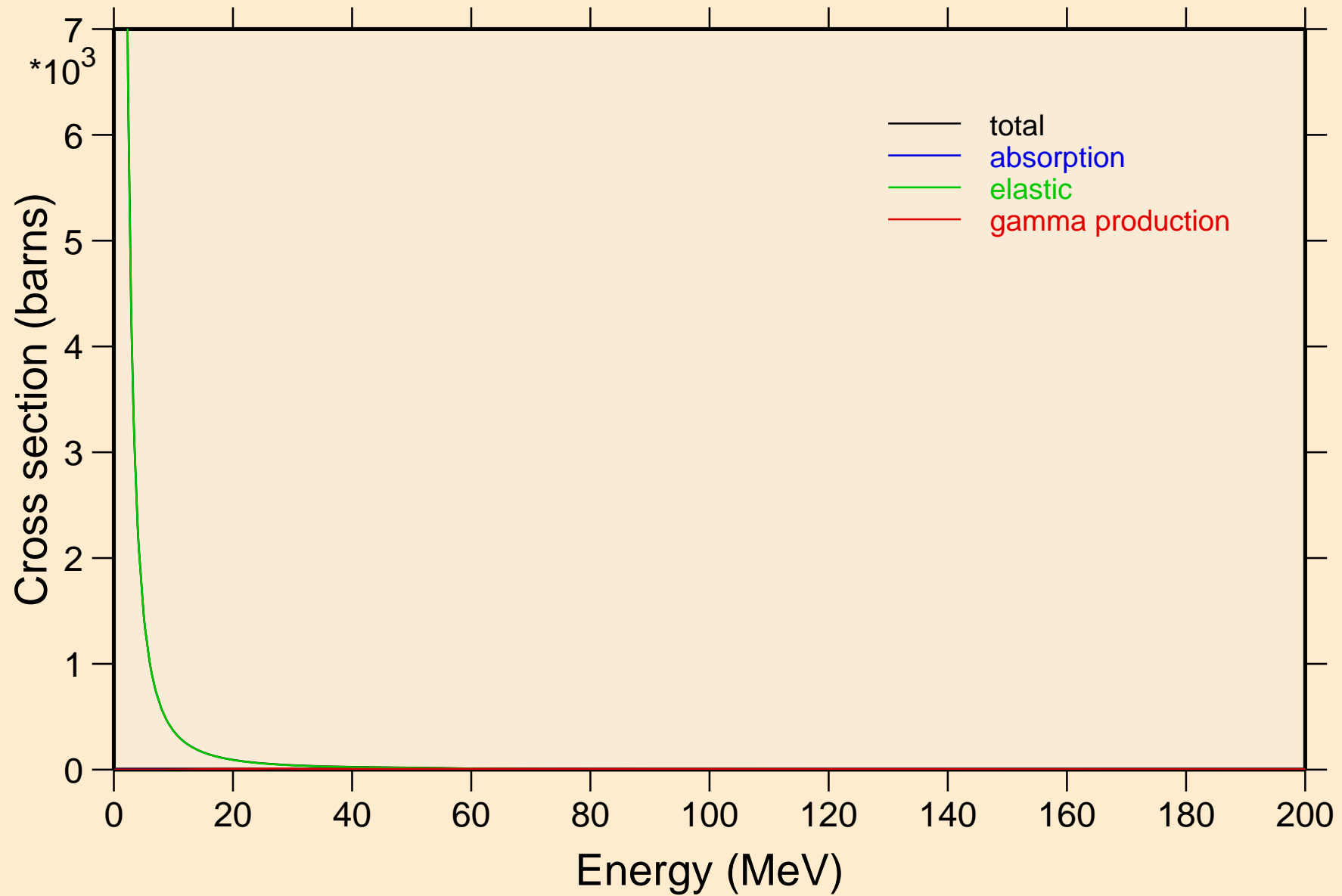


IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



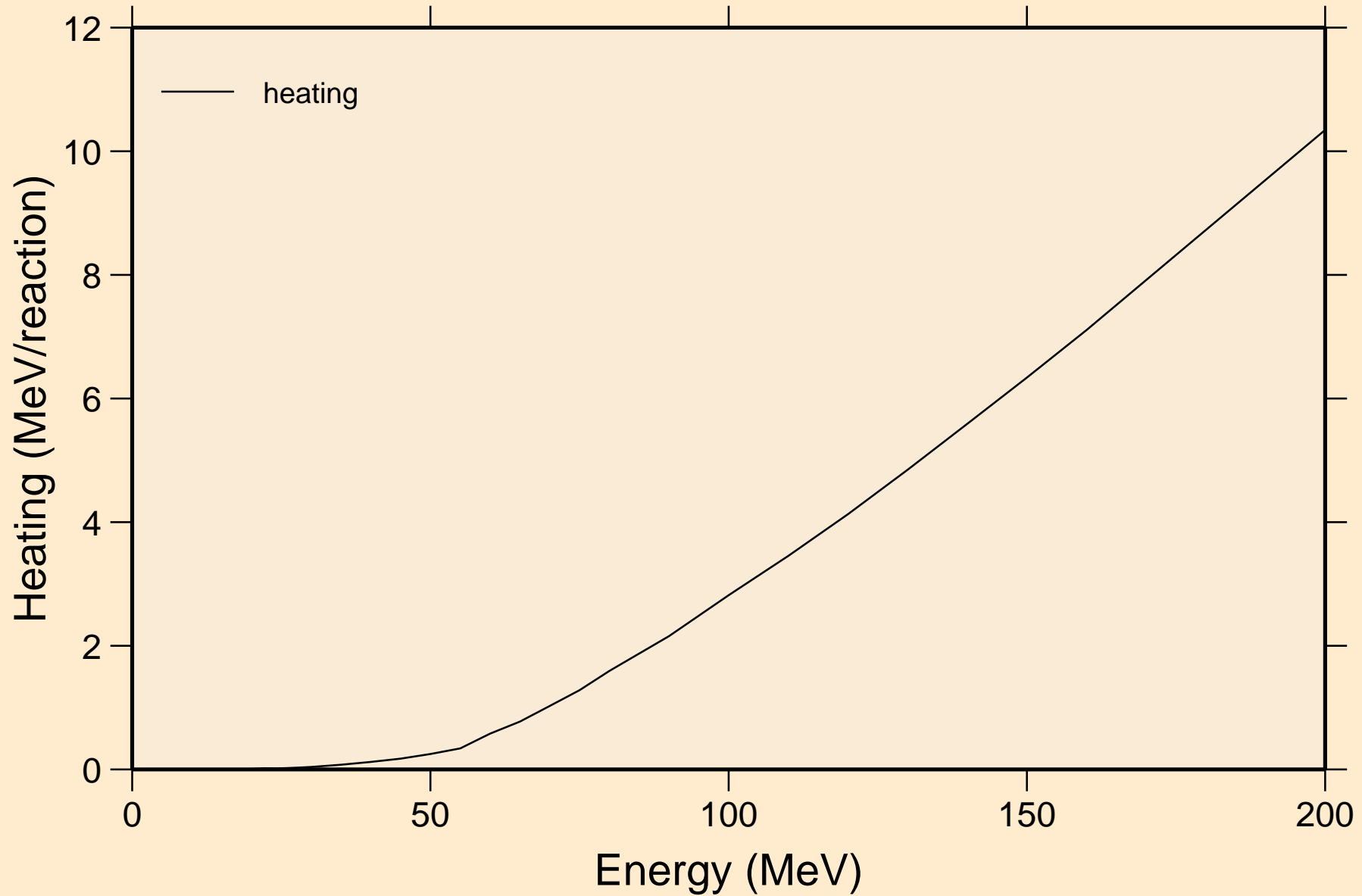
# IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

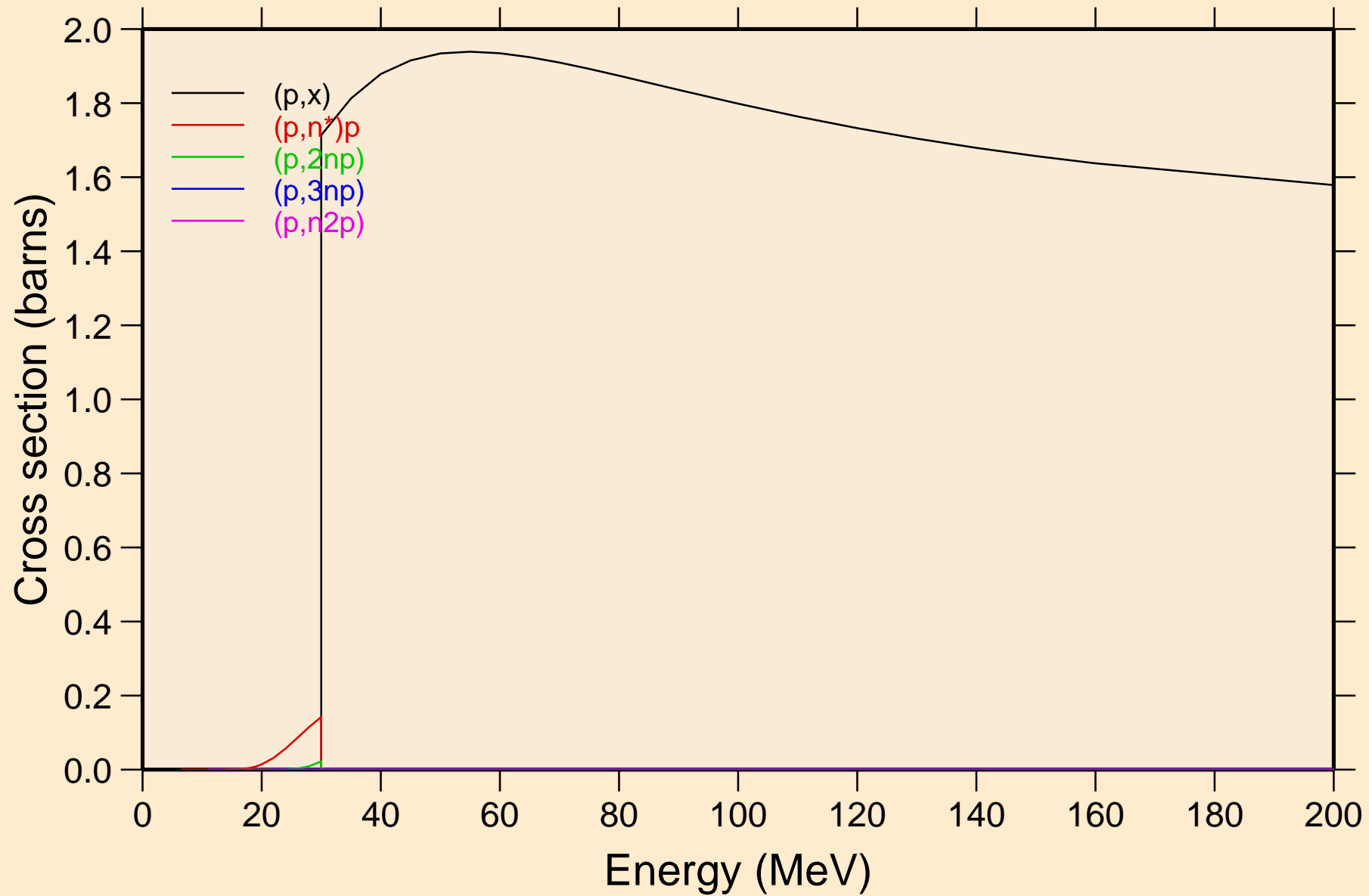


IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K

Heating

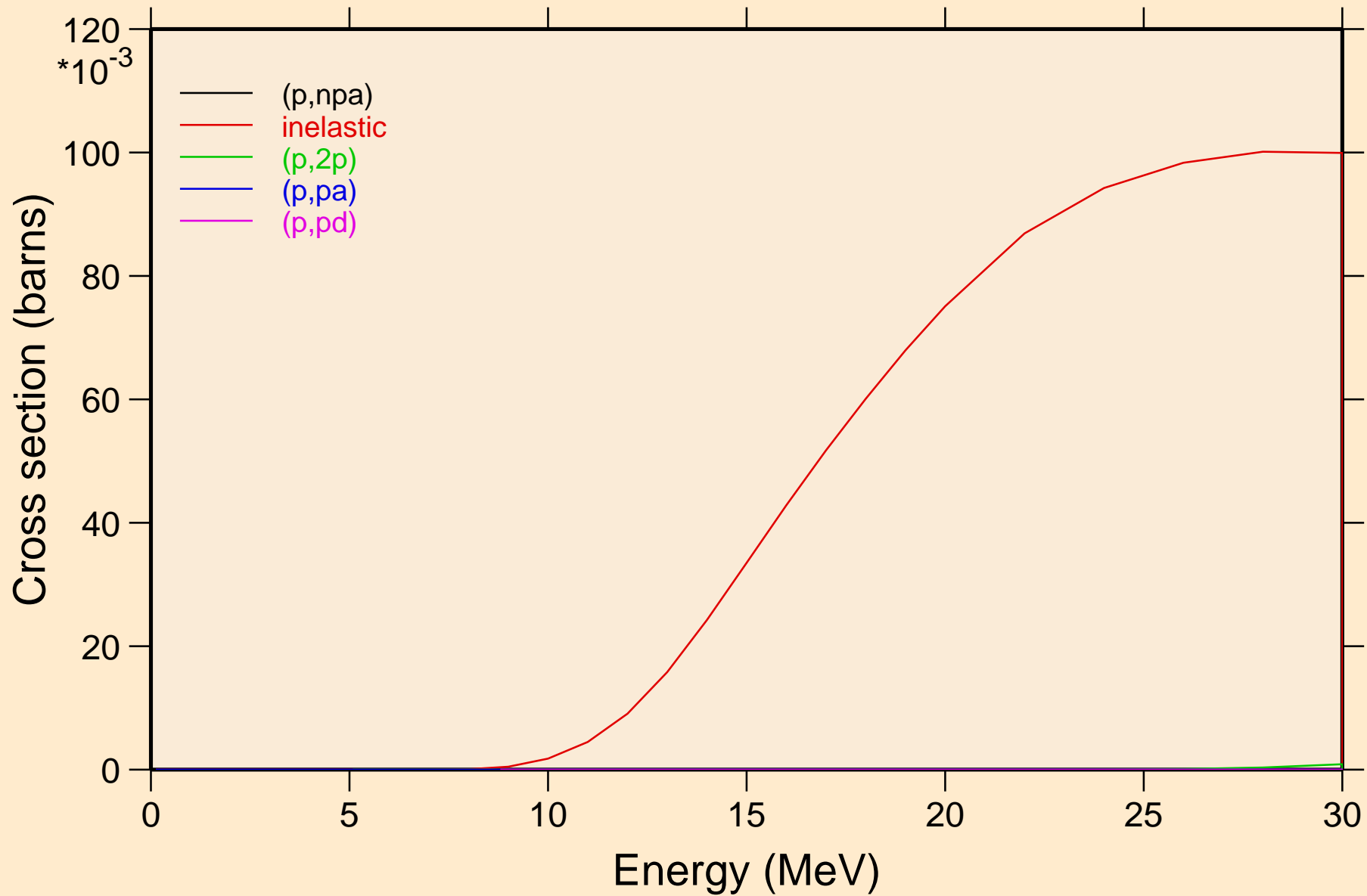


IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

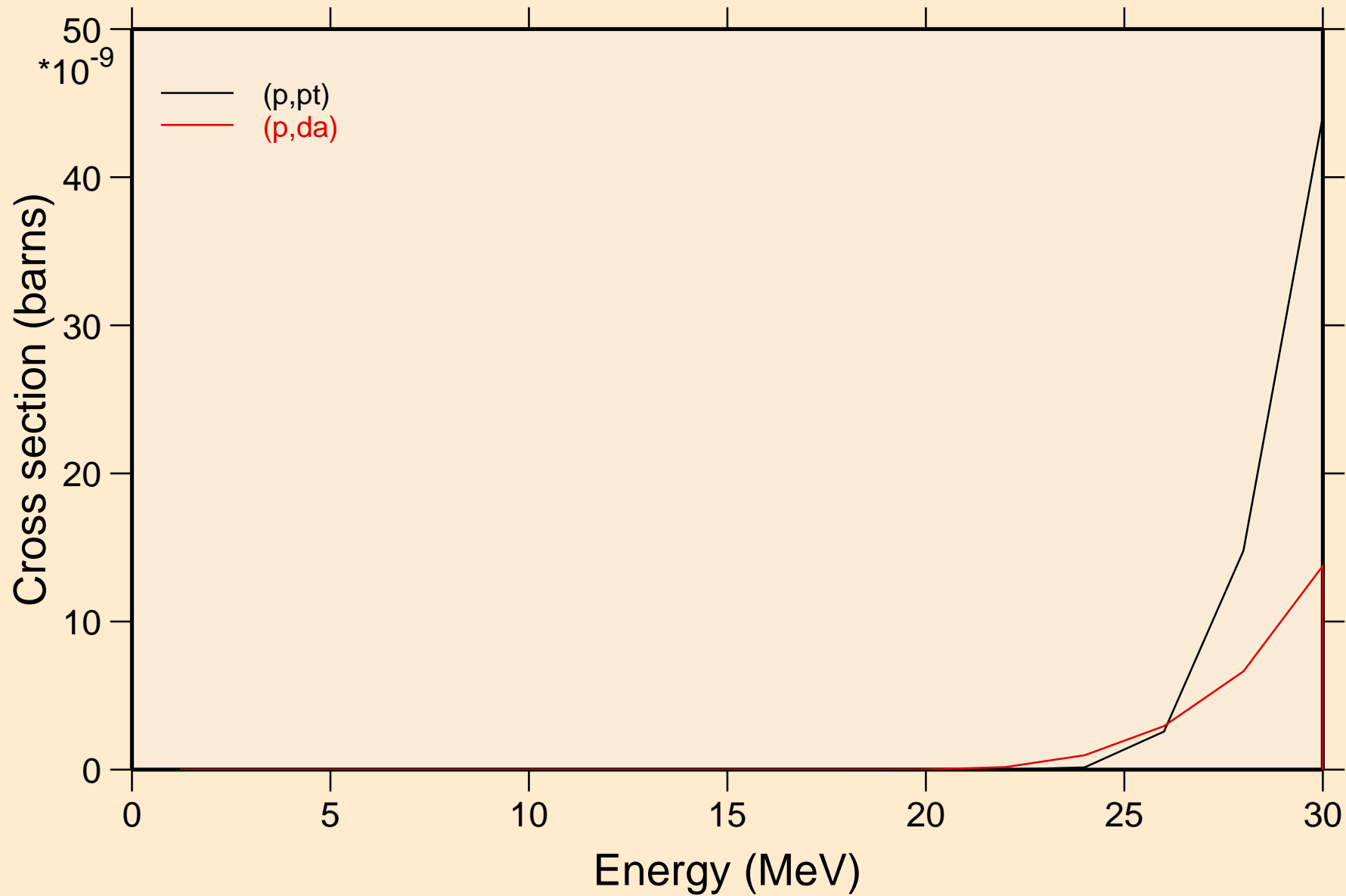


# IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K

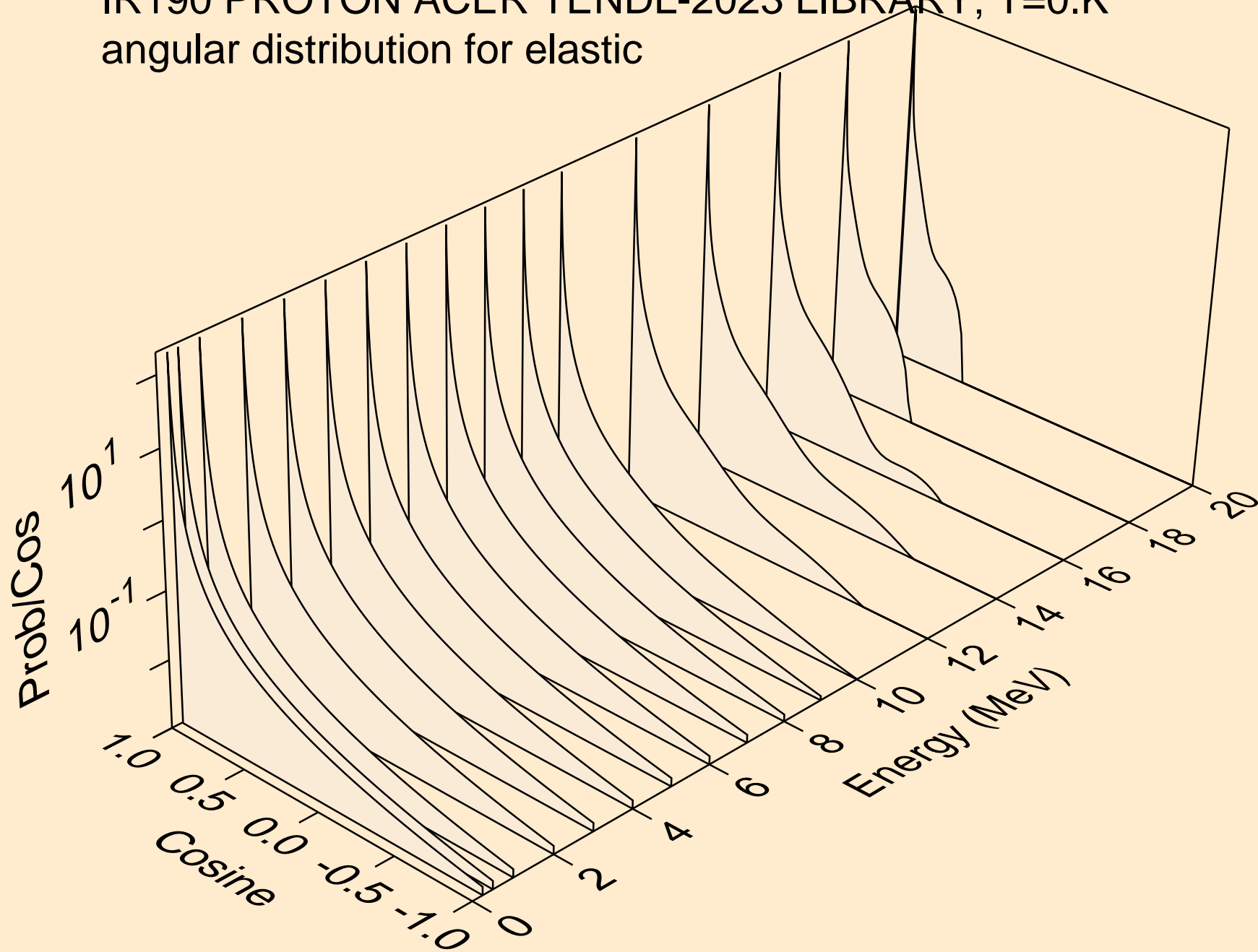
## Threshold reactions



IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

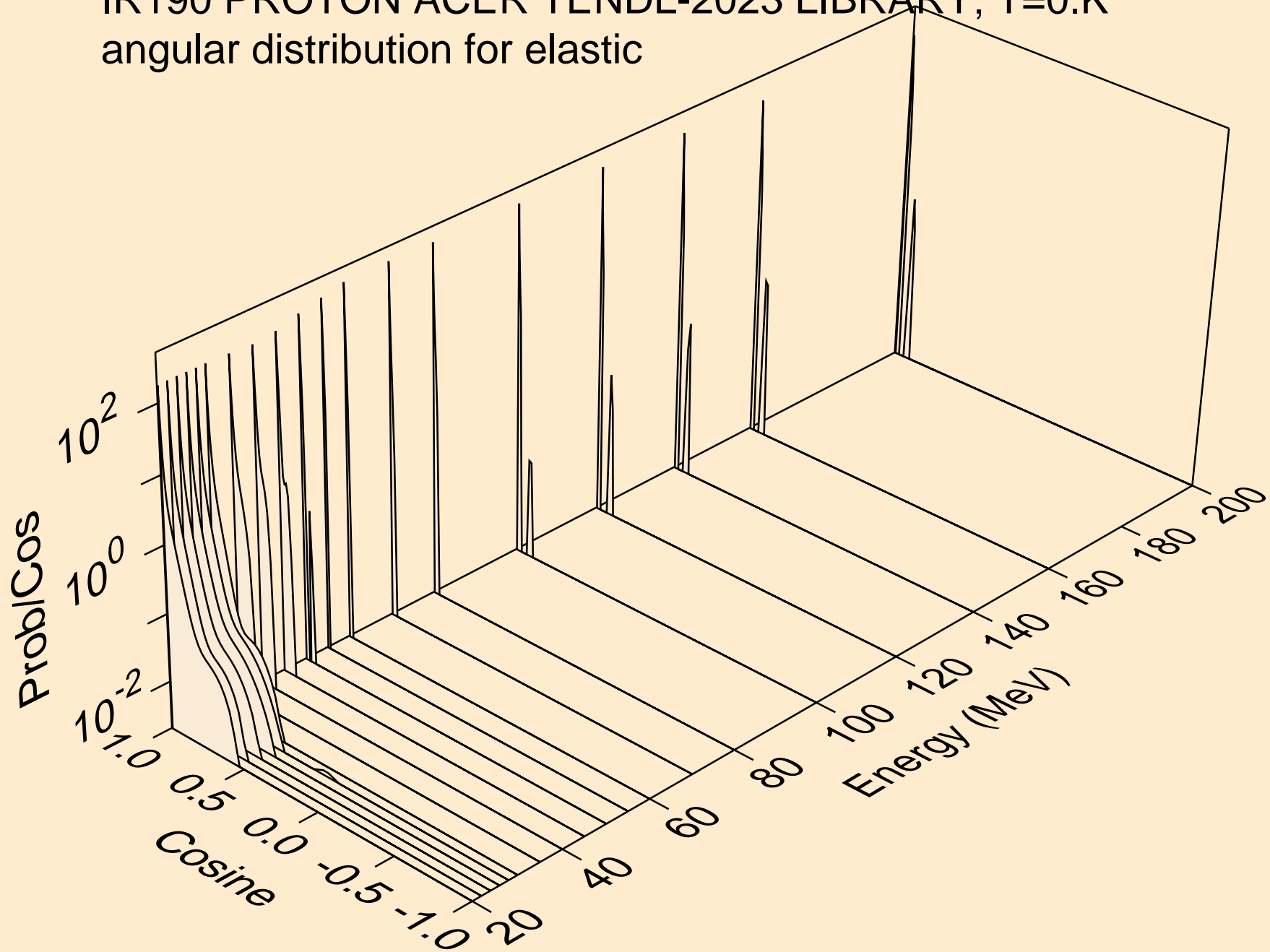


IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

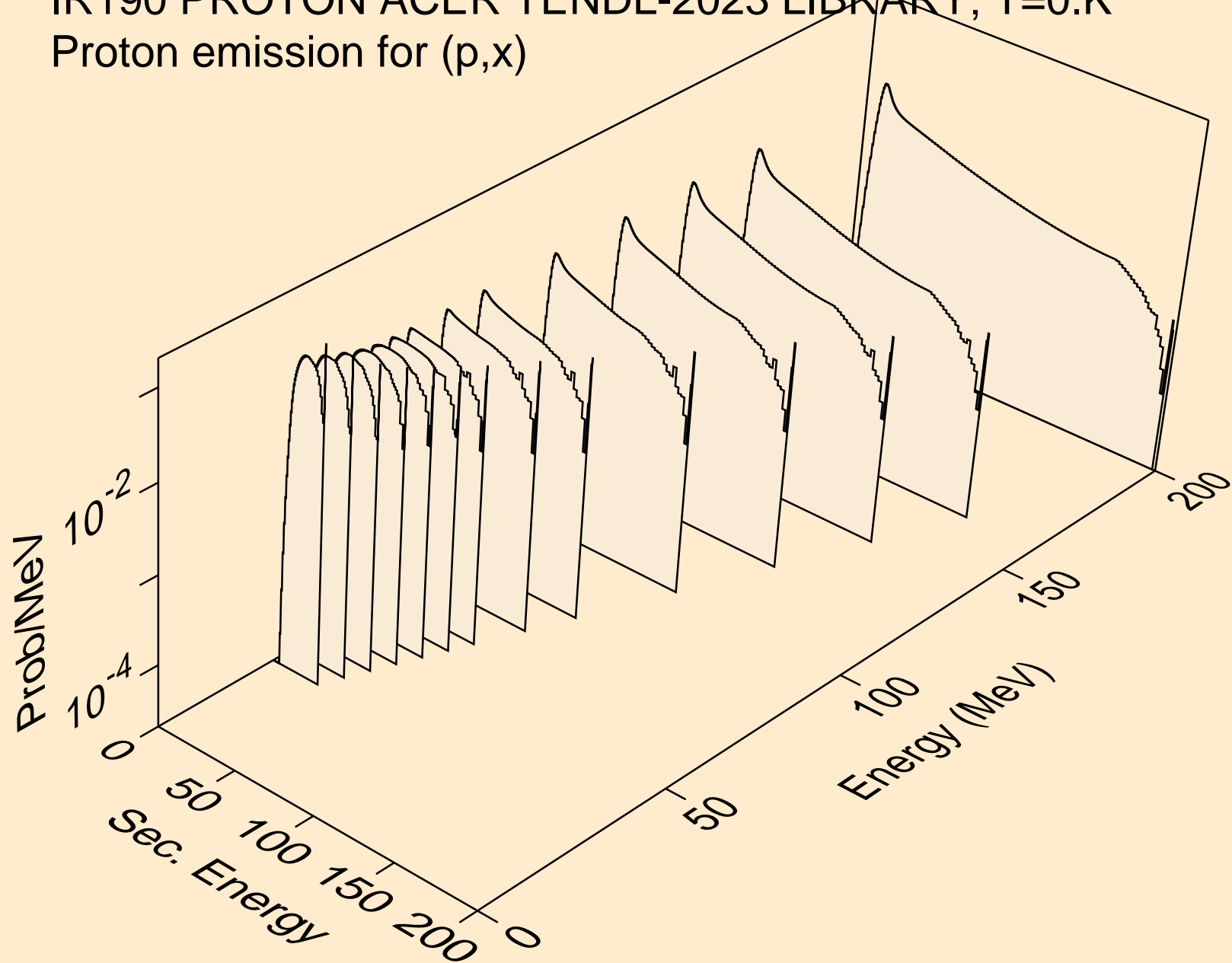




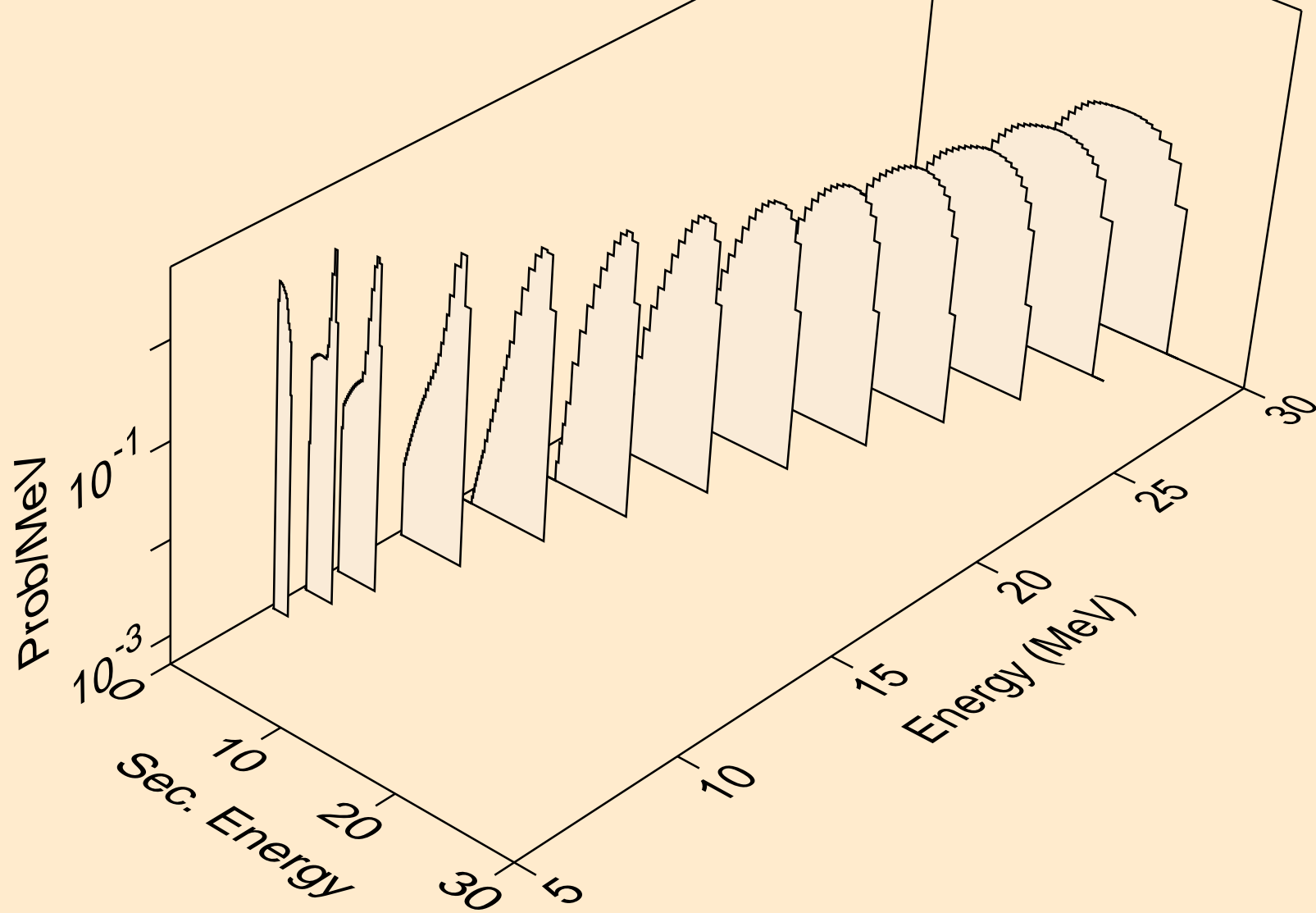
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



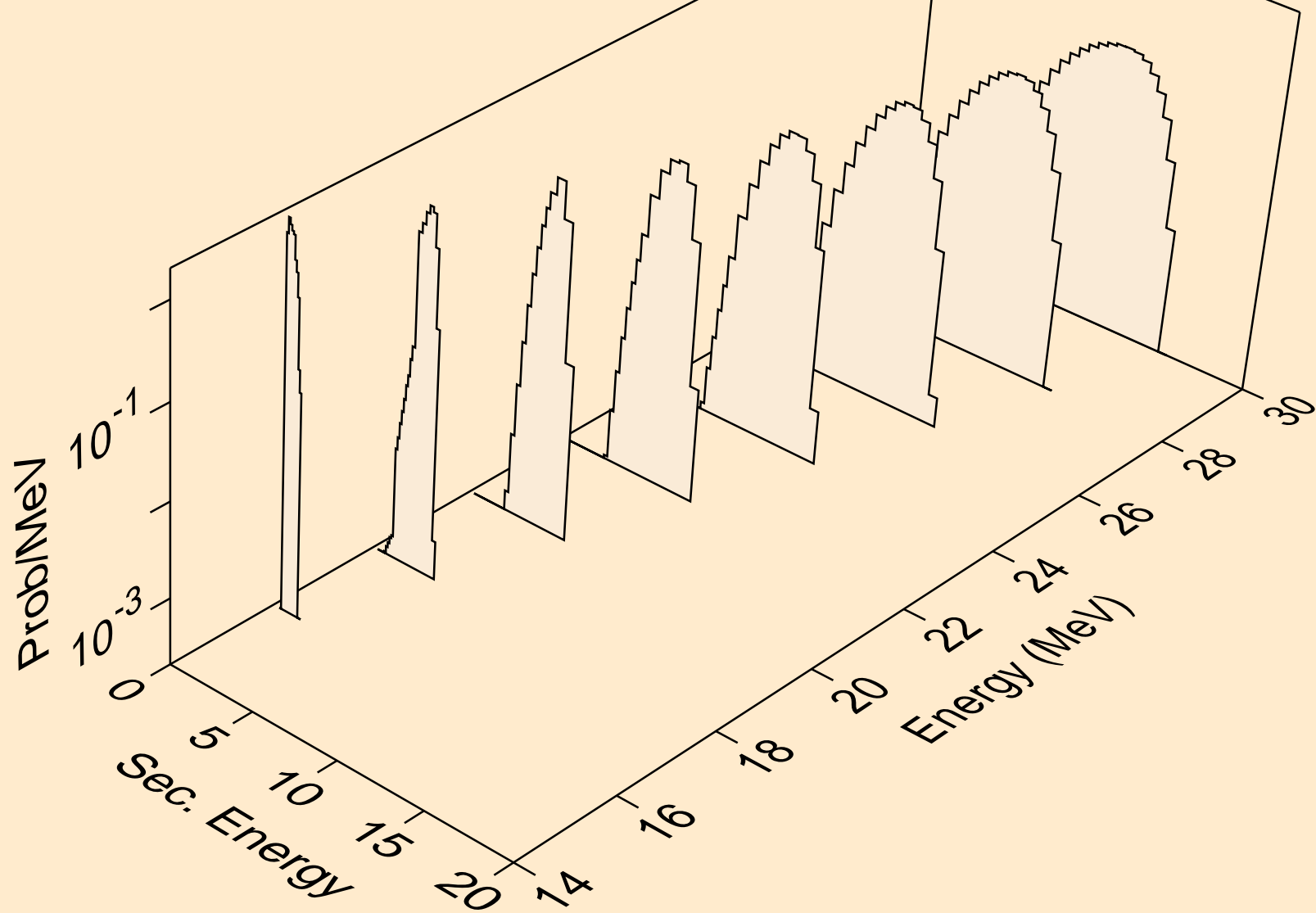
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



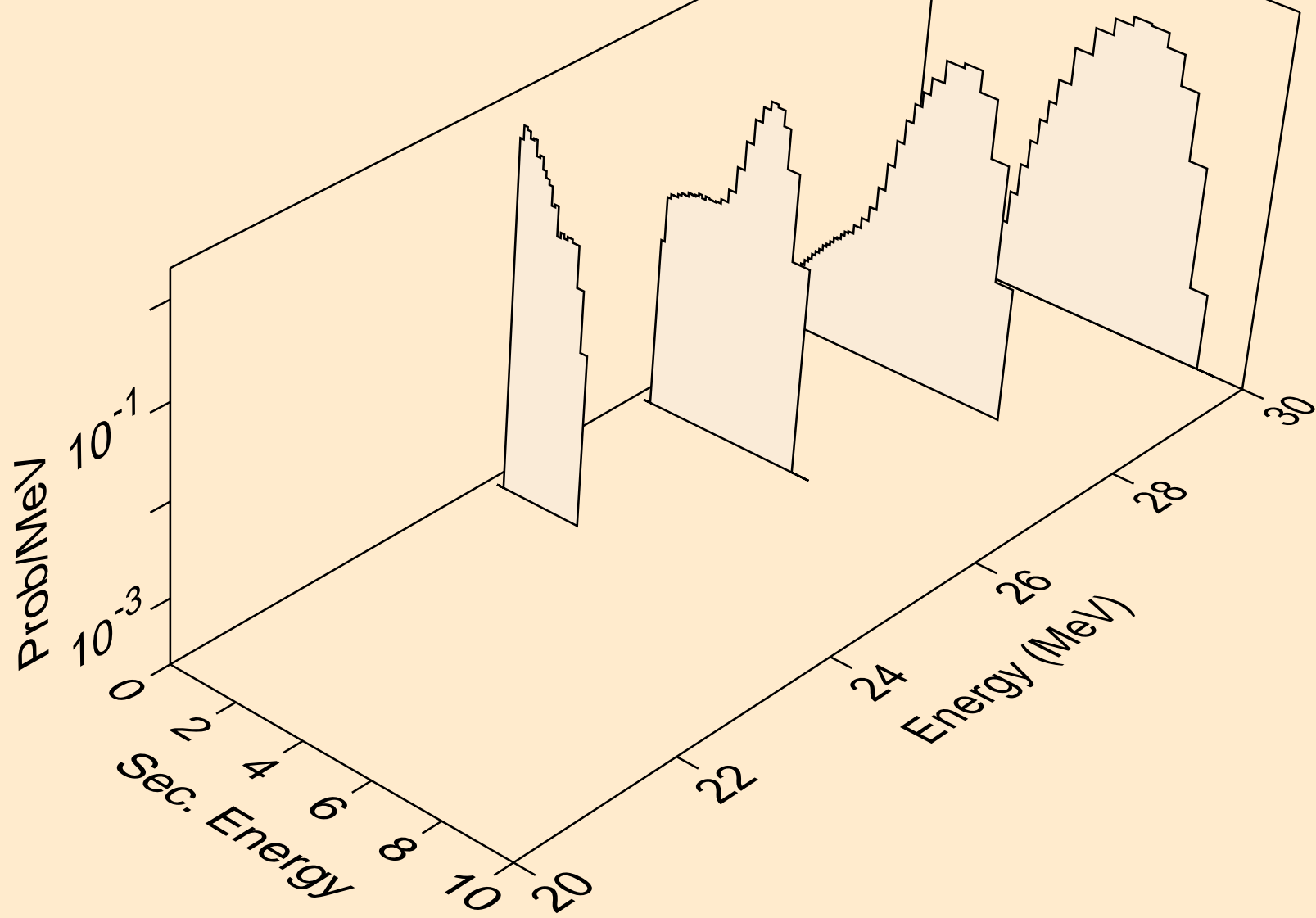
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



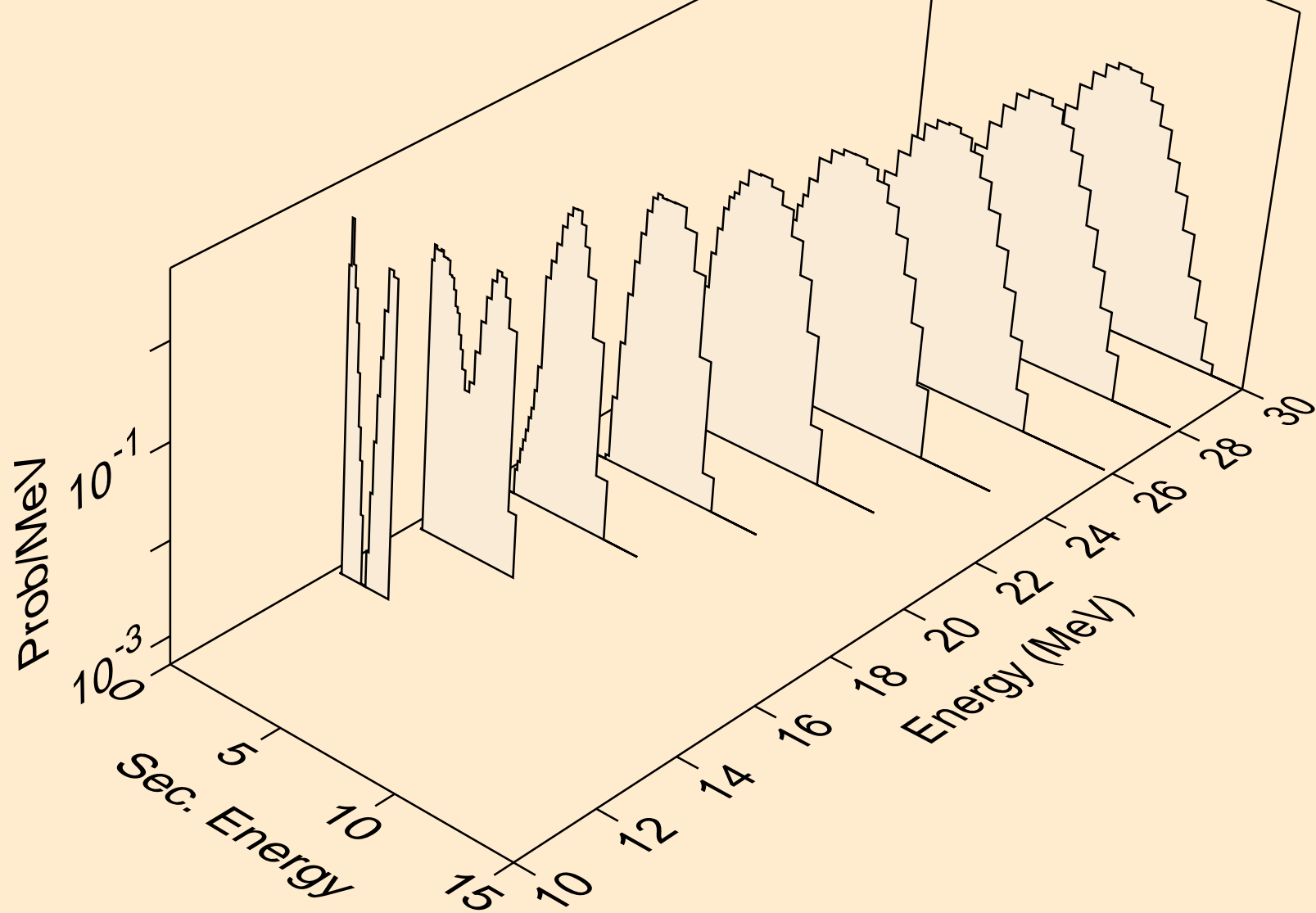
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



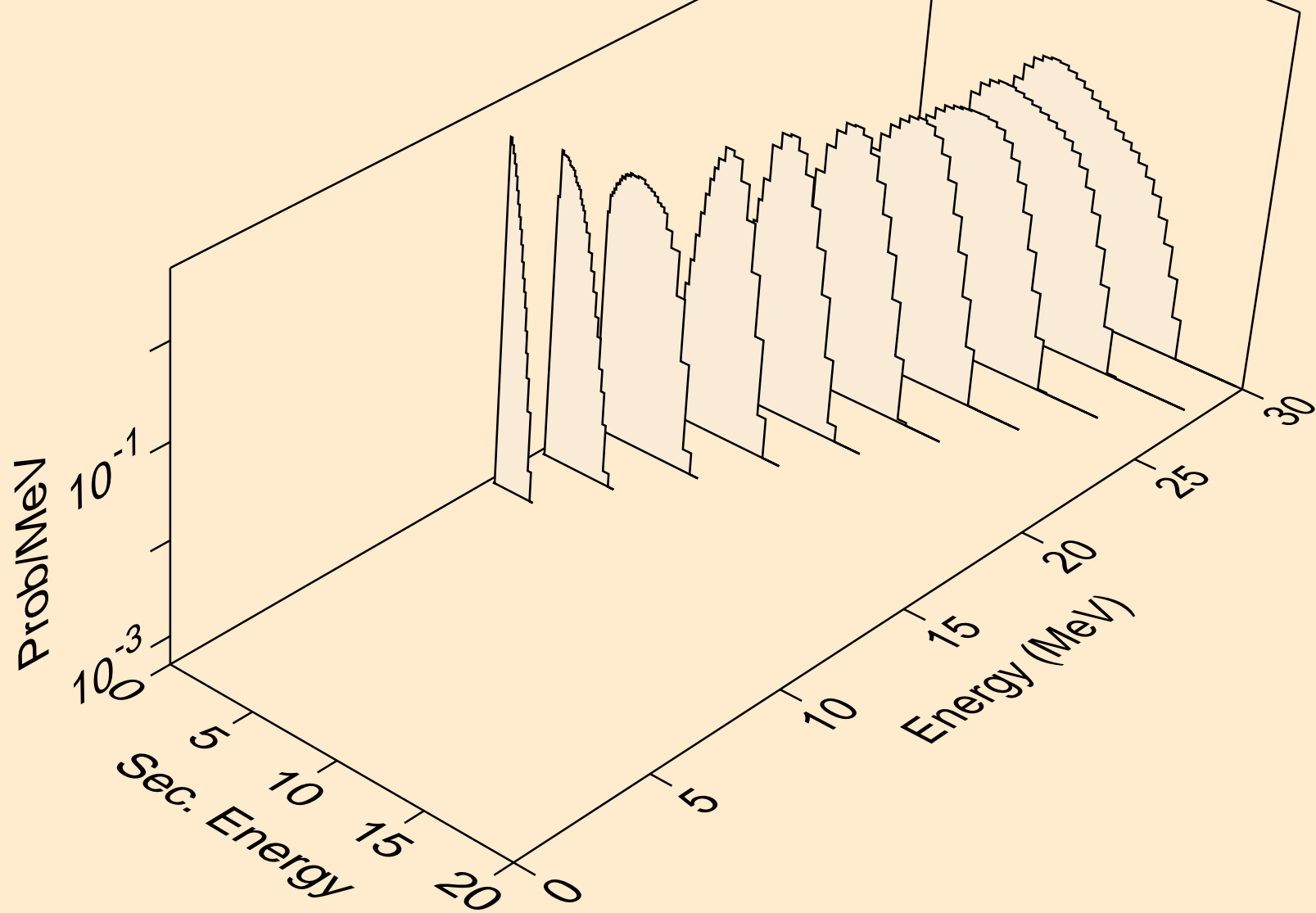
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Proton emission for (p,3np)



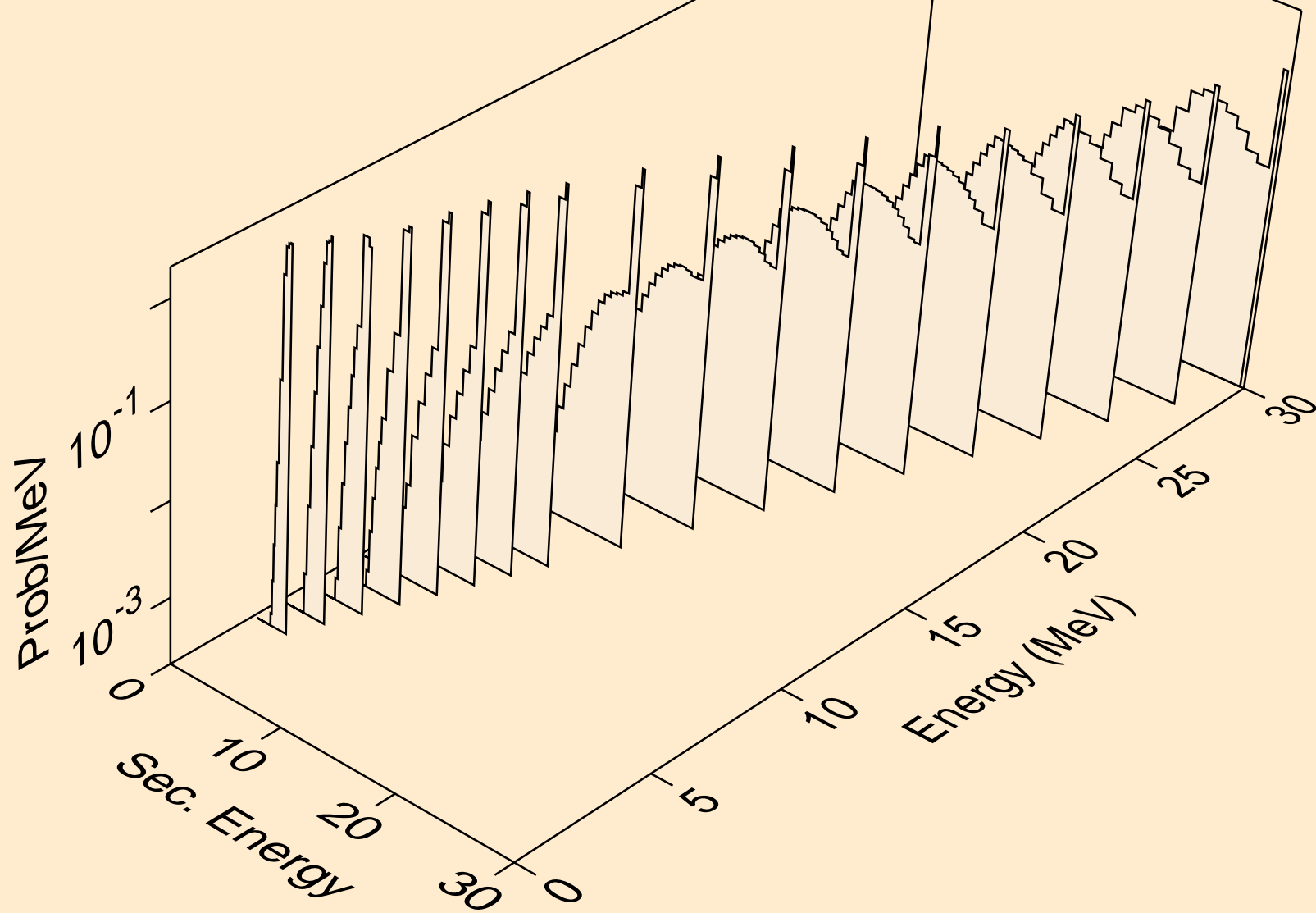
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)



IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,npa)

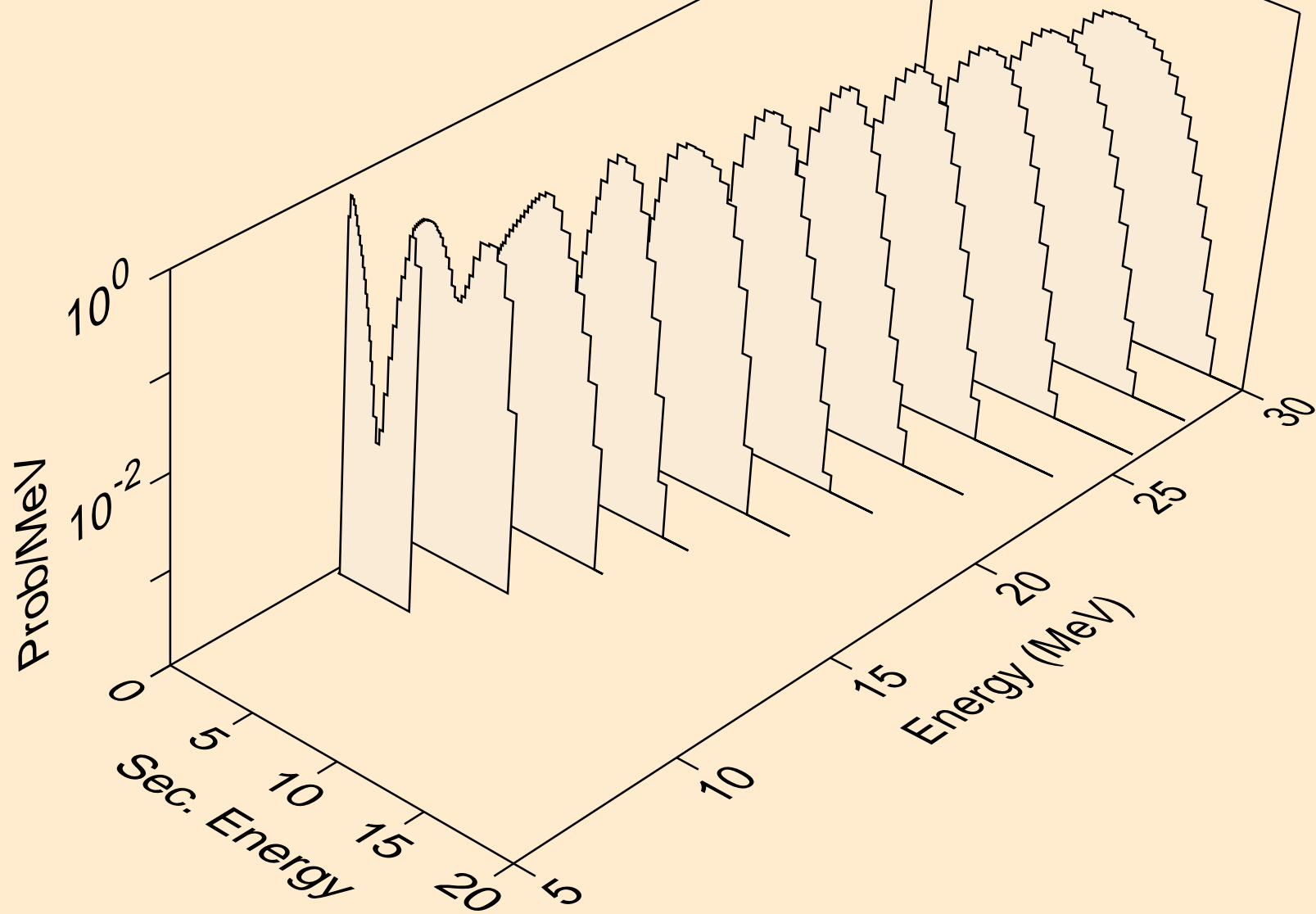


IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

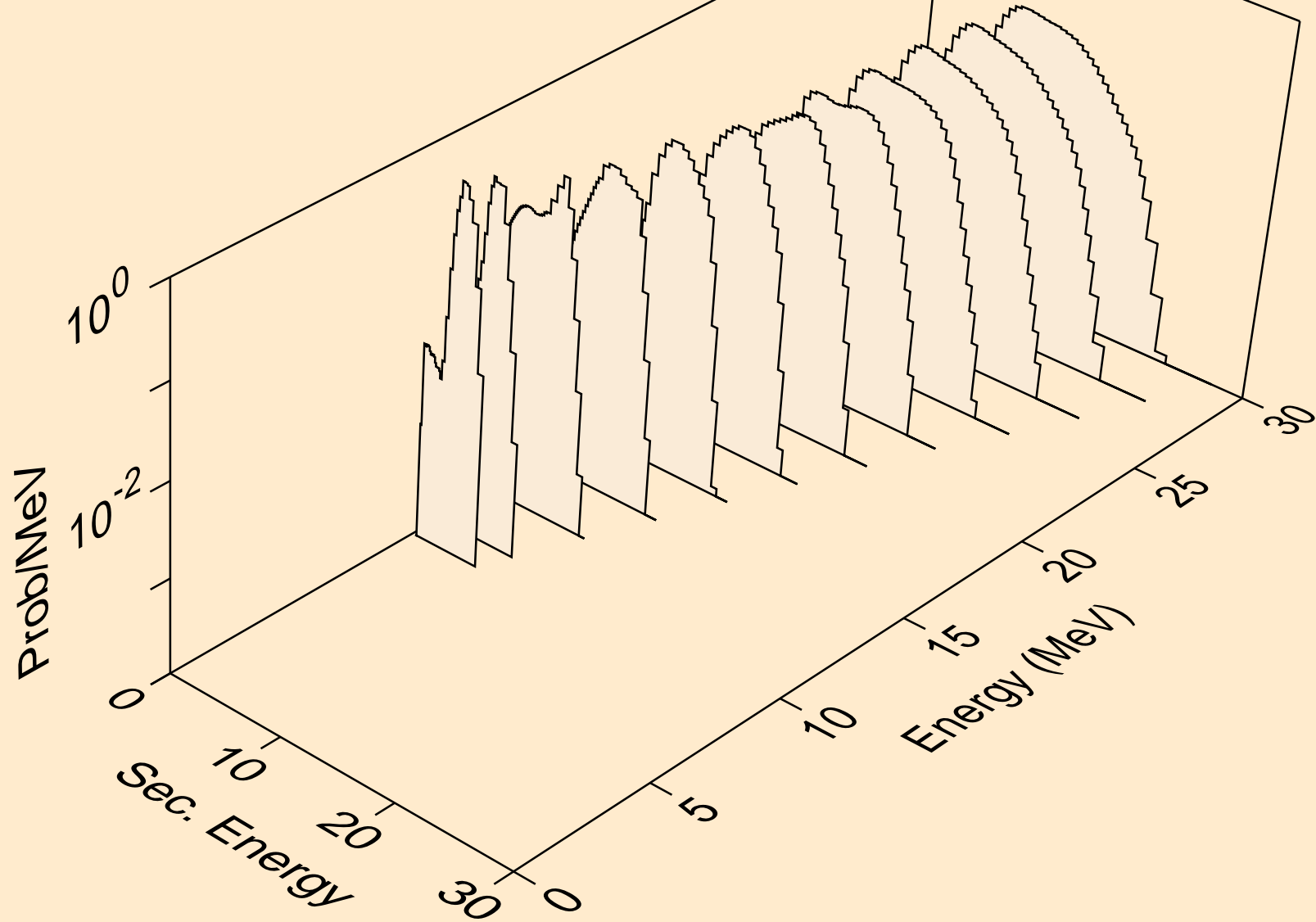




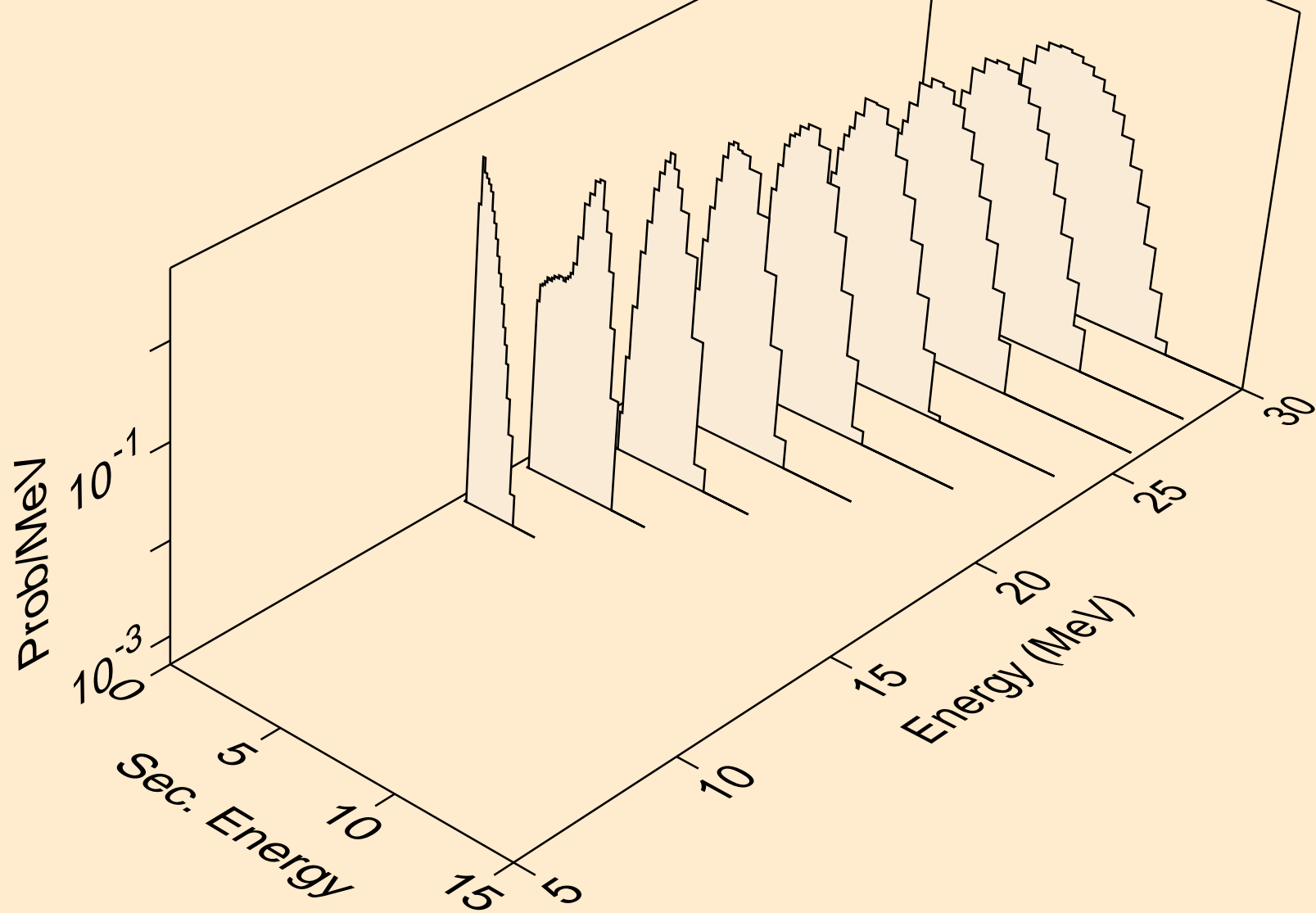
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Proton emission for (p,2p)



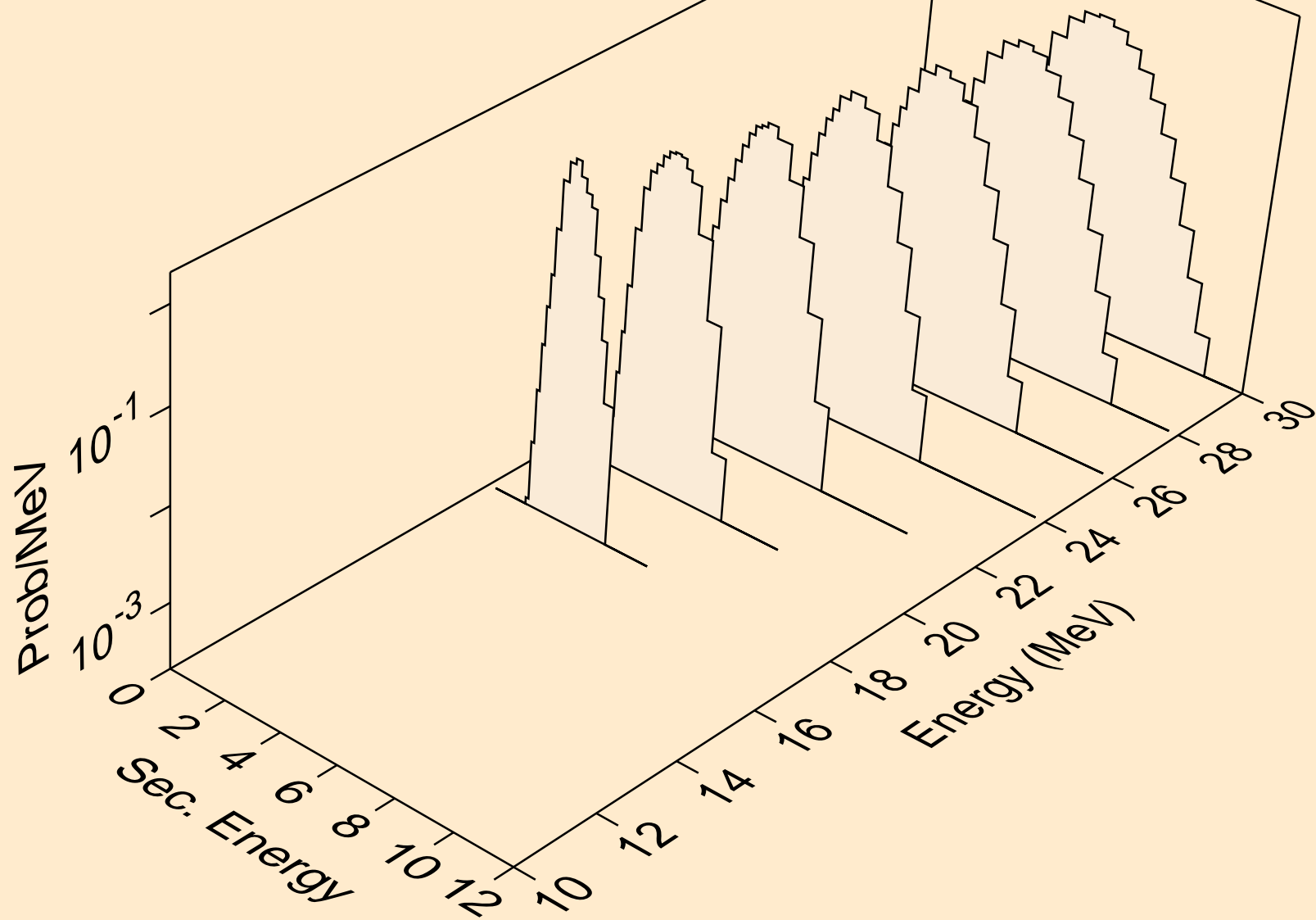
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pa)



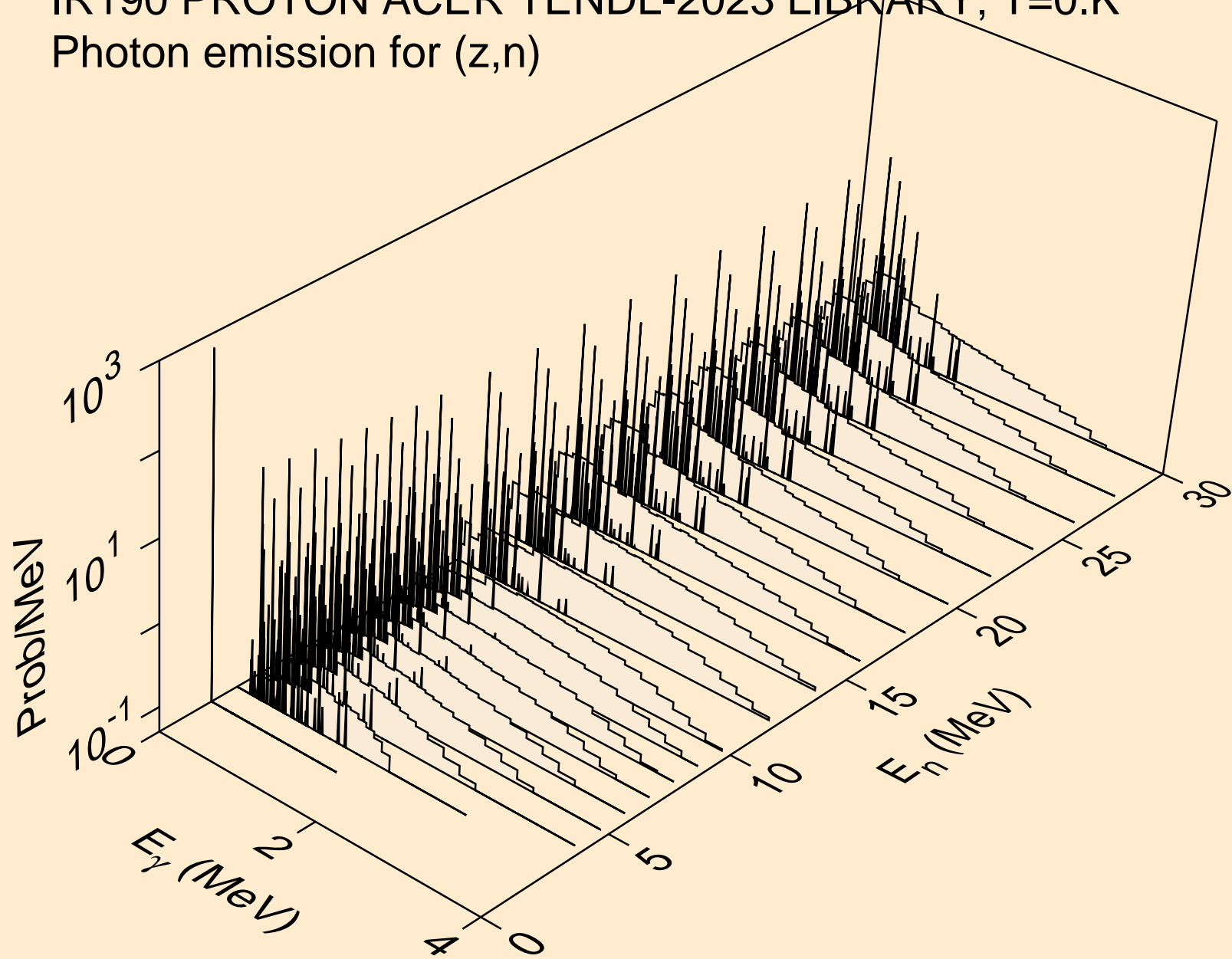
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pd)



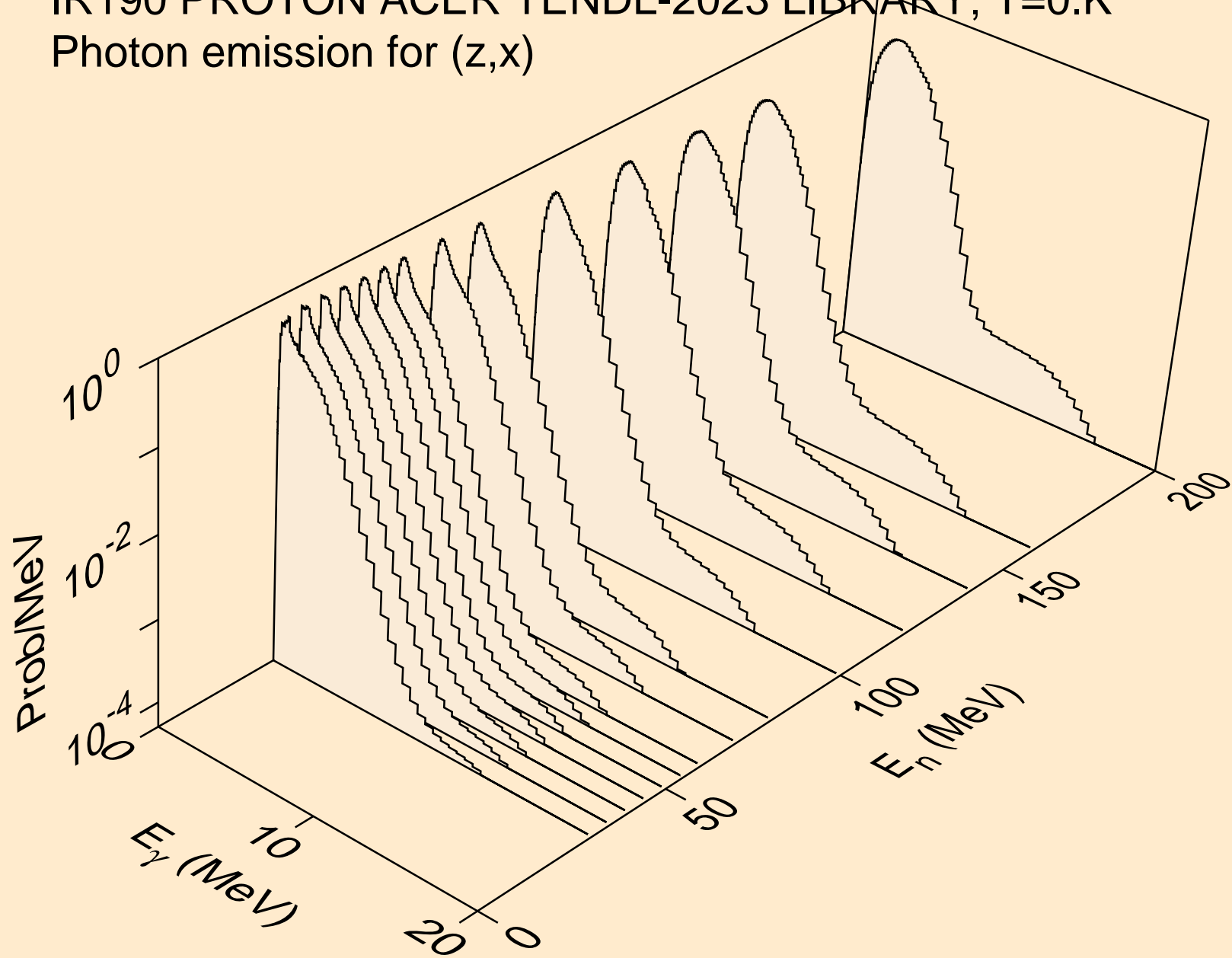
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pt)



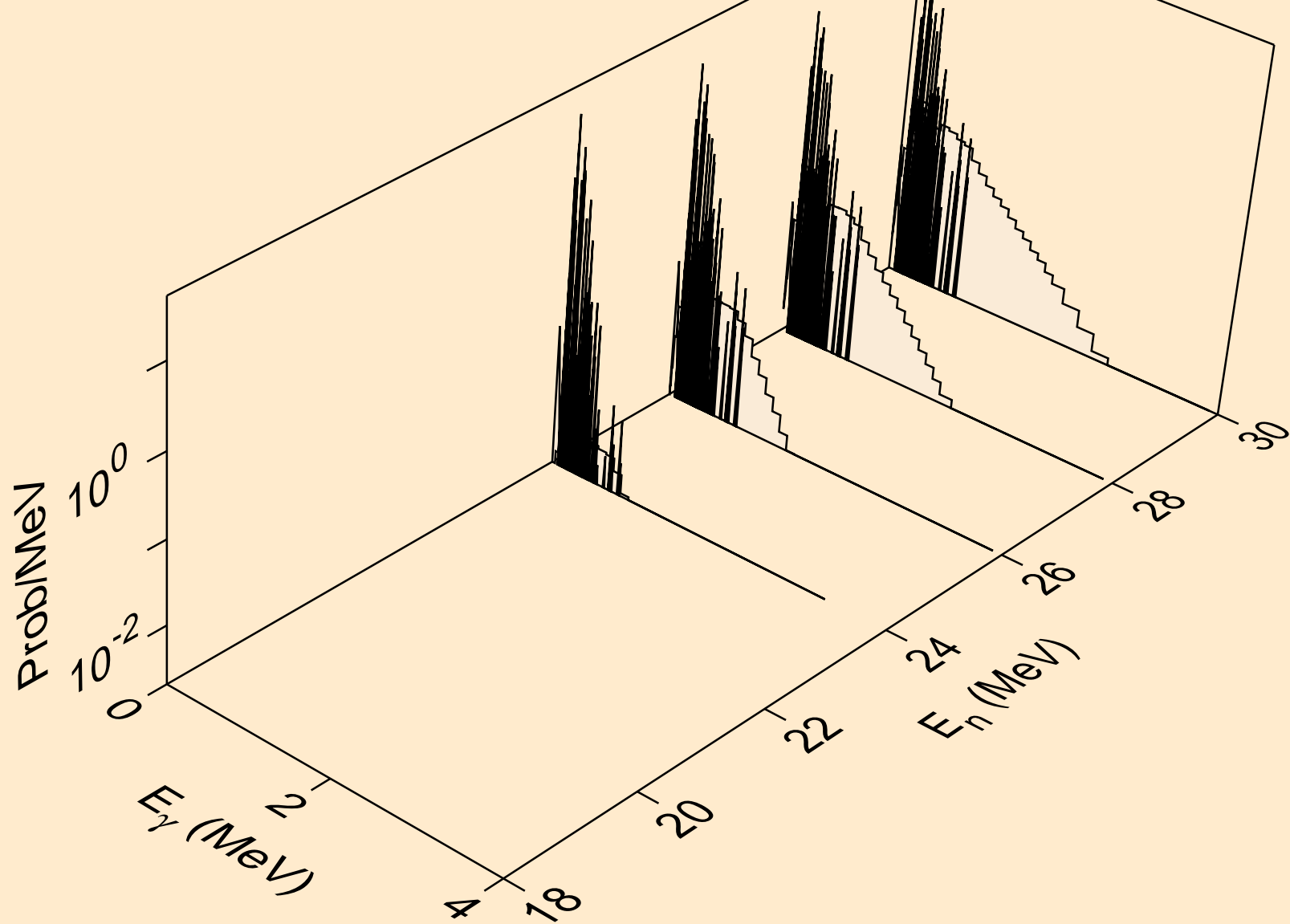
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Photon emission for (z,n)



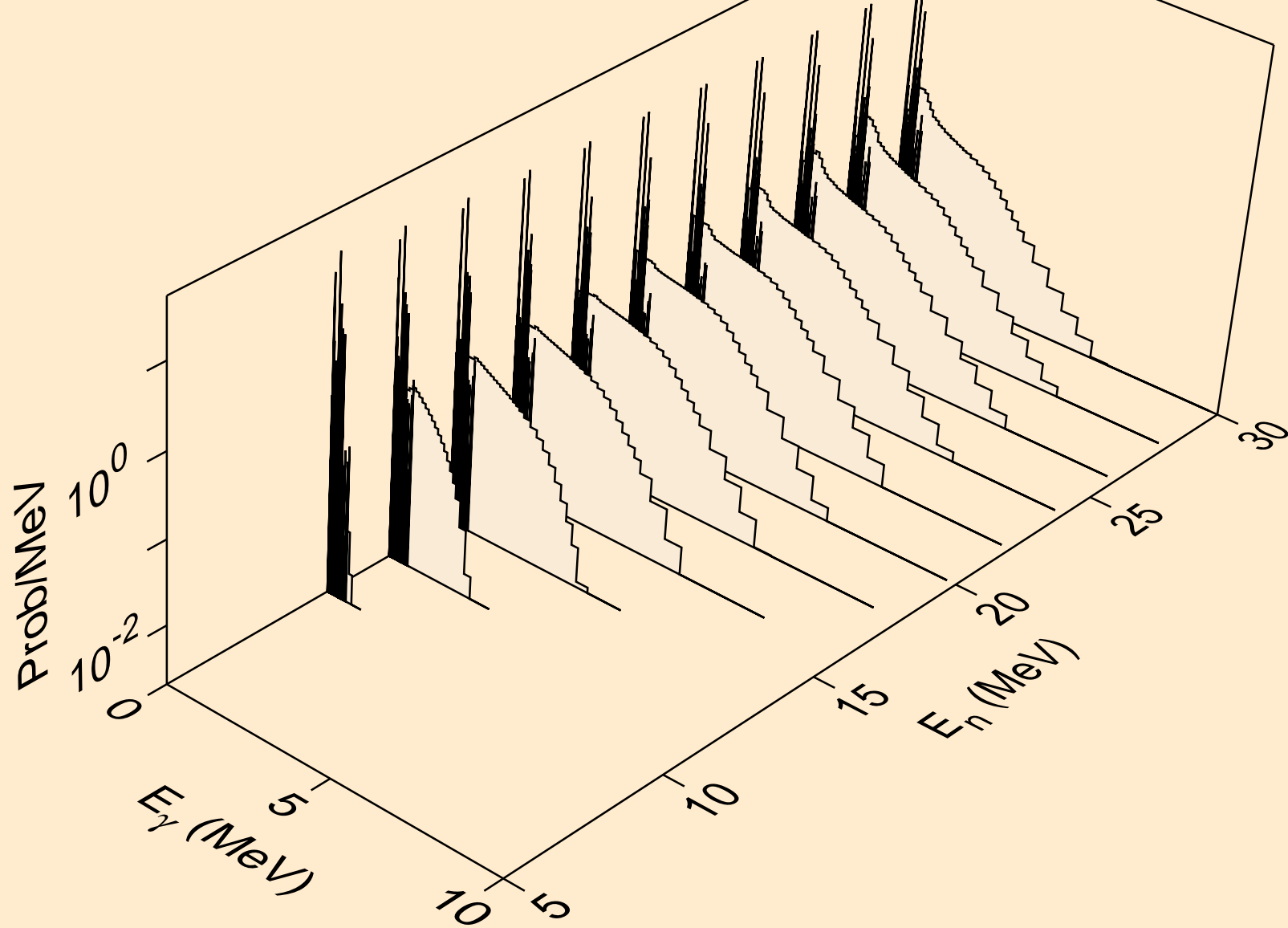
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)

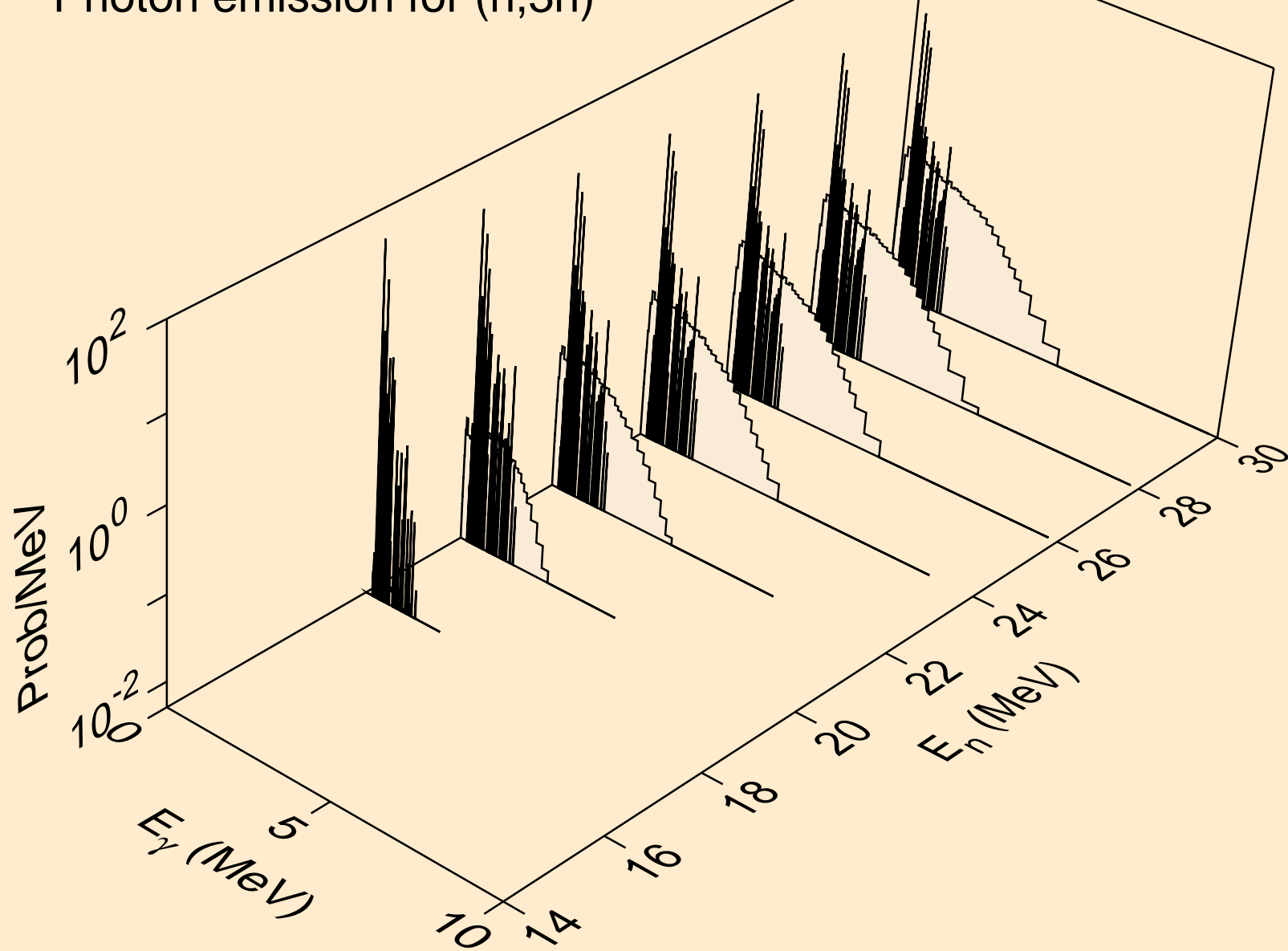


IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

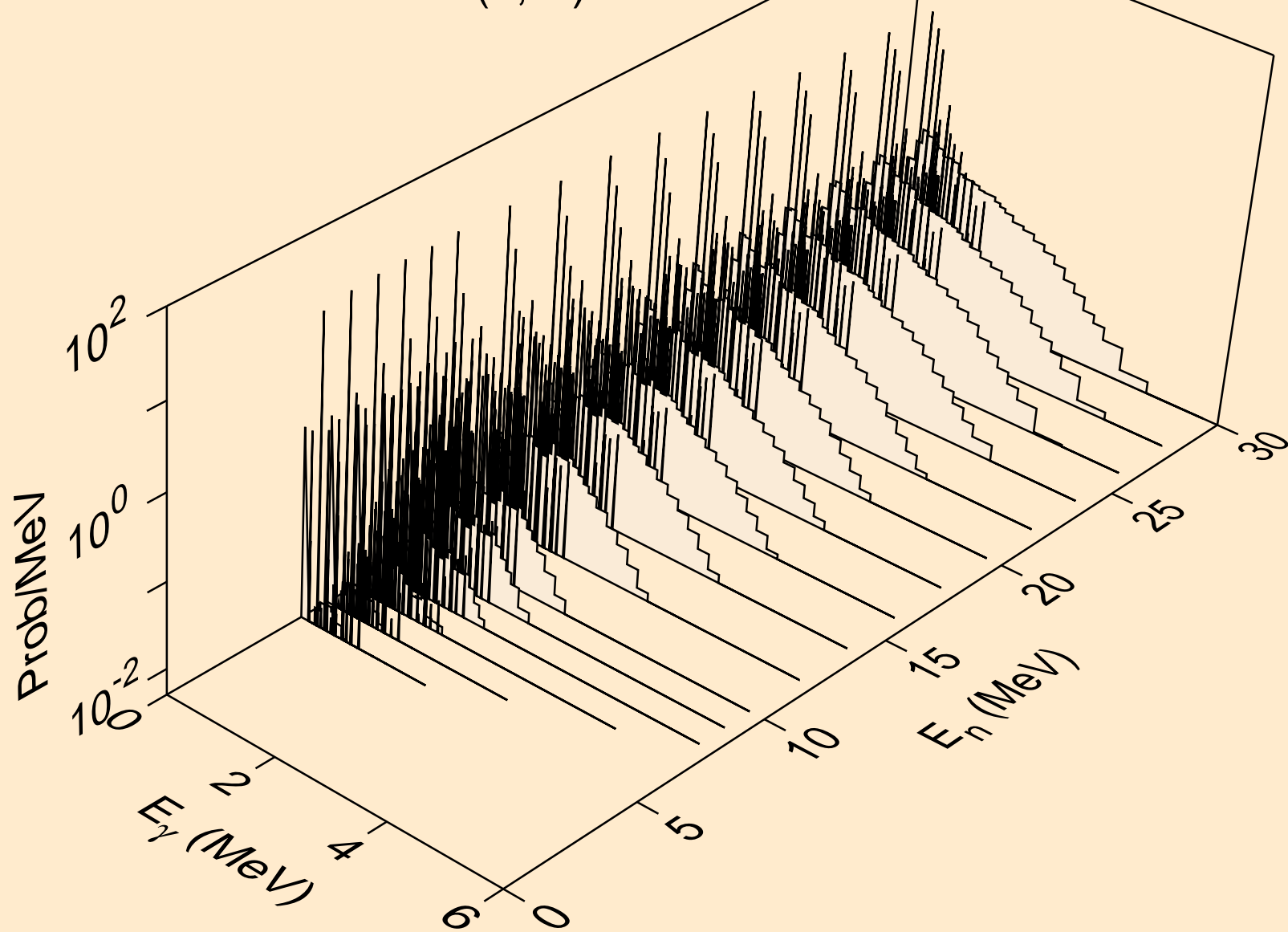




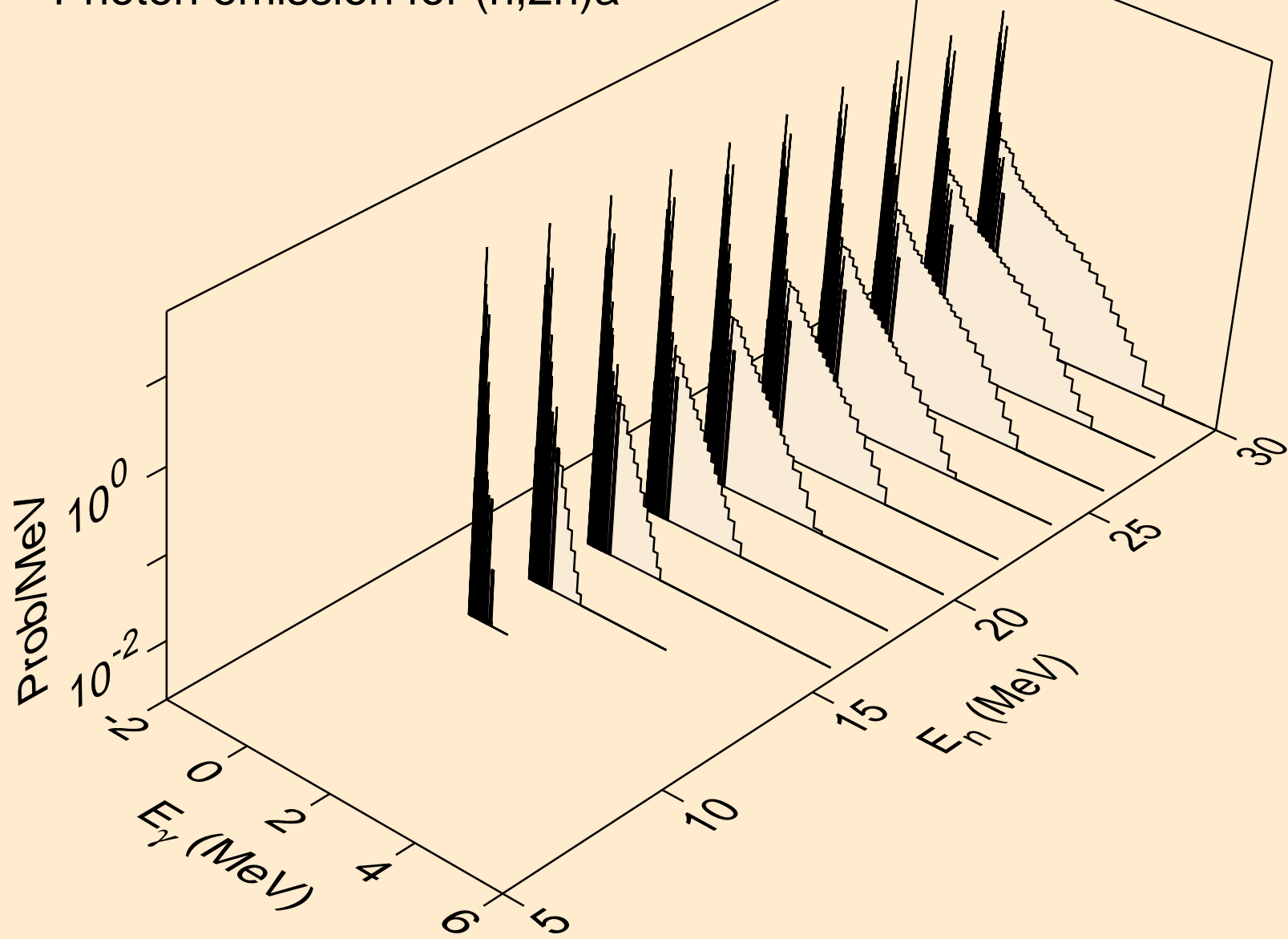
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Photon emission for (n,3n)



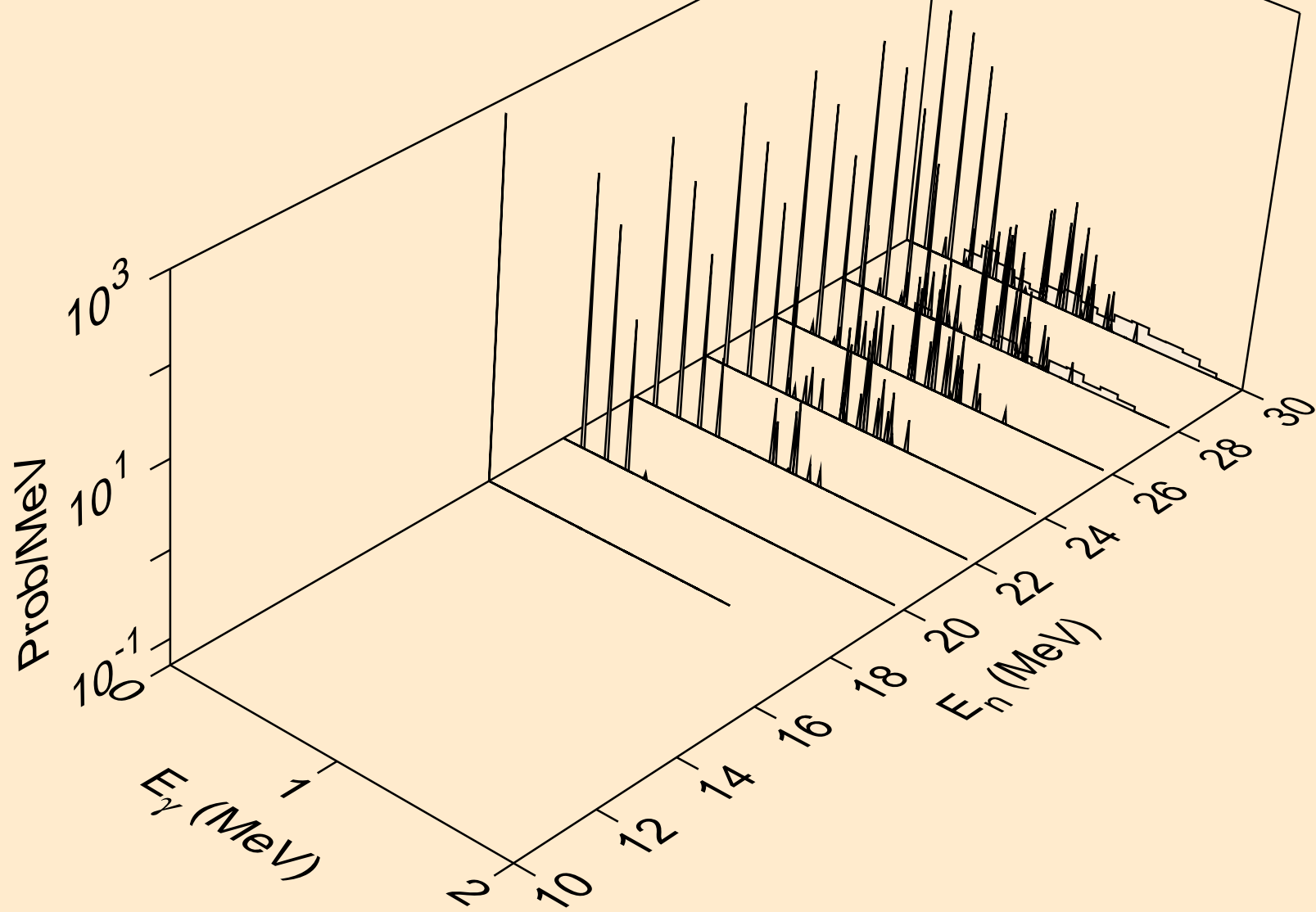
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Photon emission for (n,n\*)a



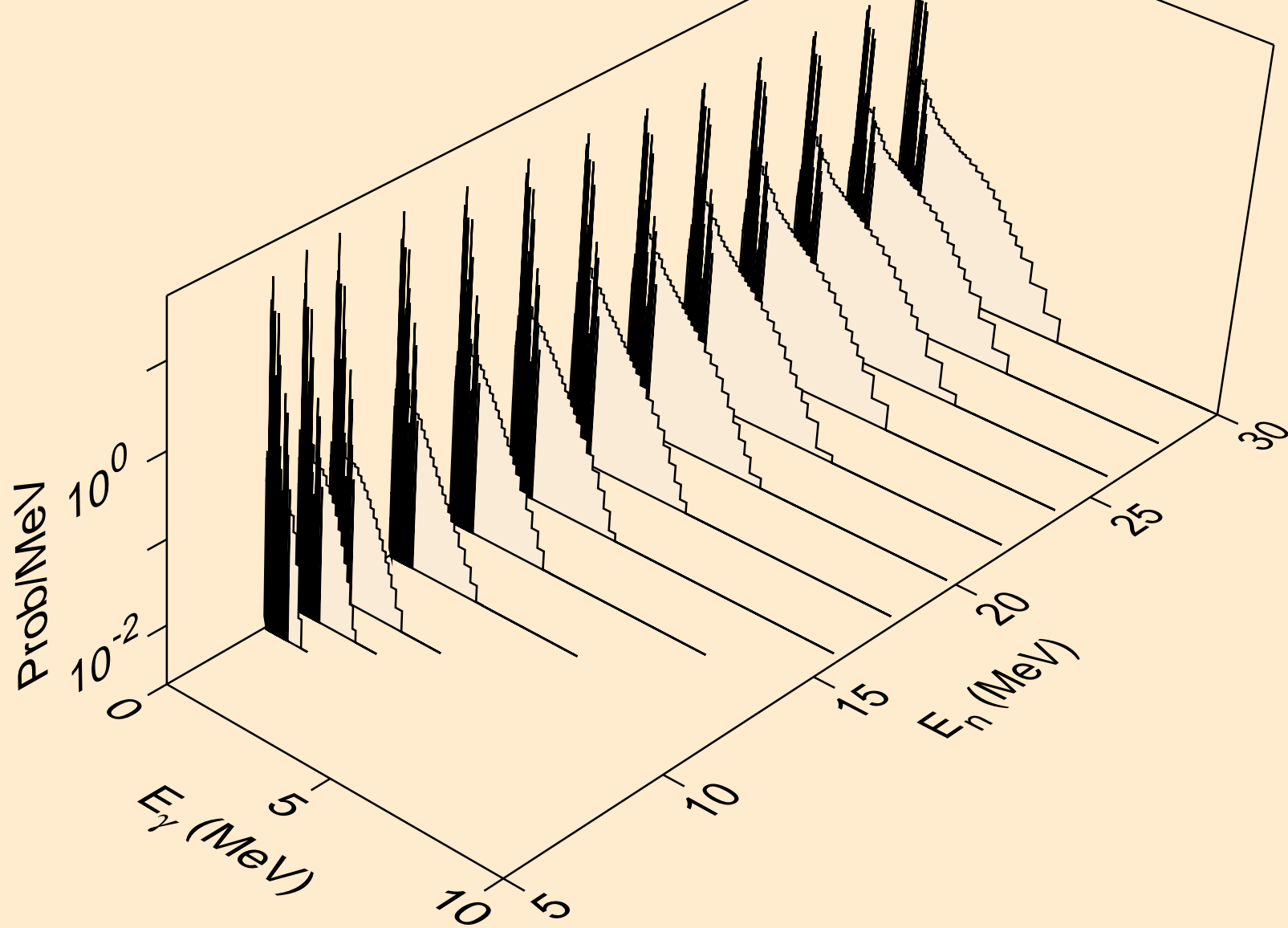
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Photon emission for (n,2n) $\alpha$



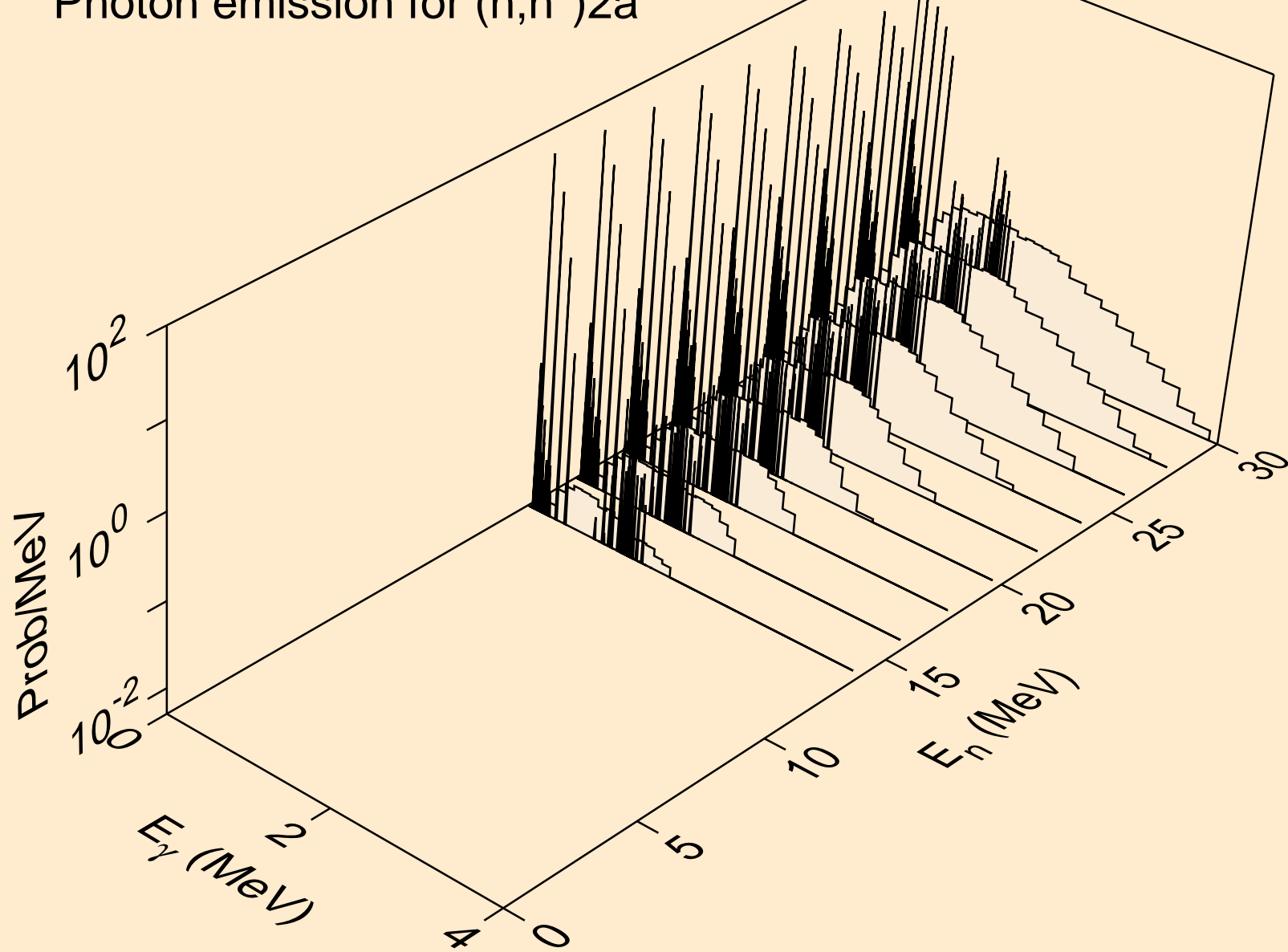
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Photon emission for (n,3n)a



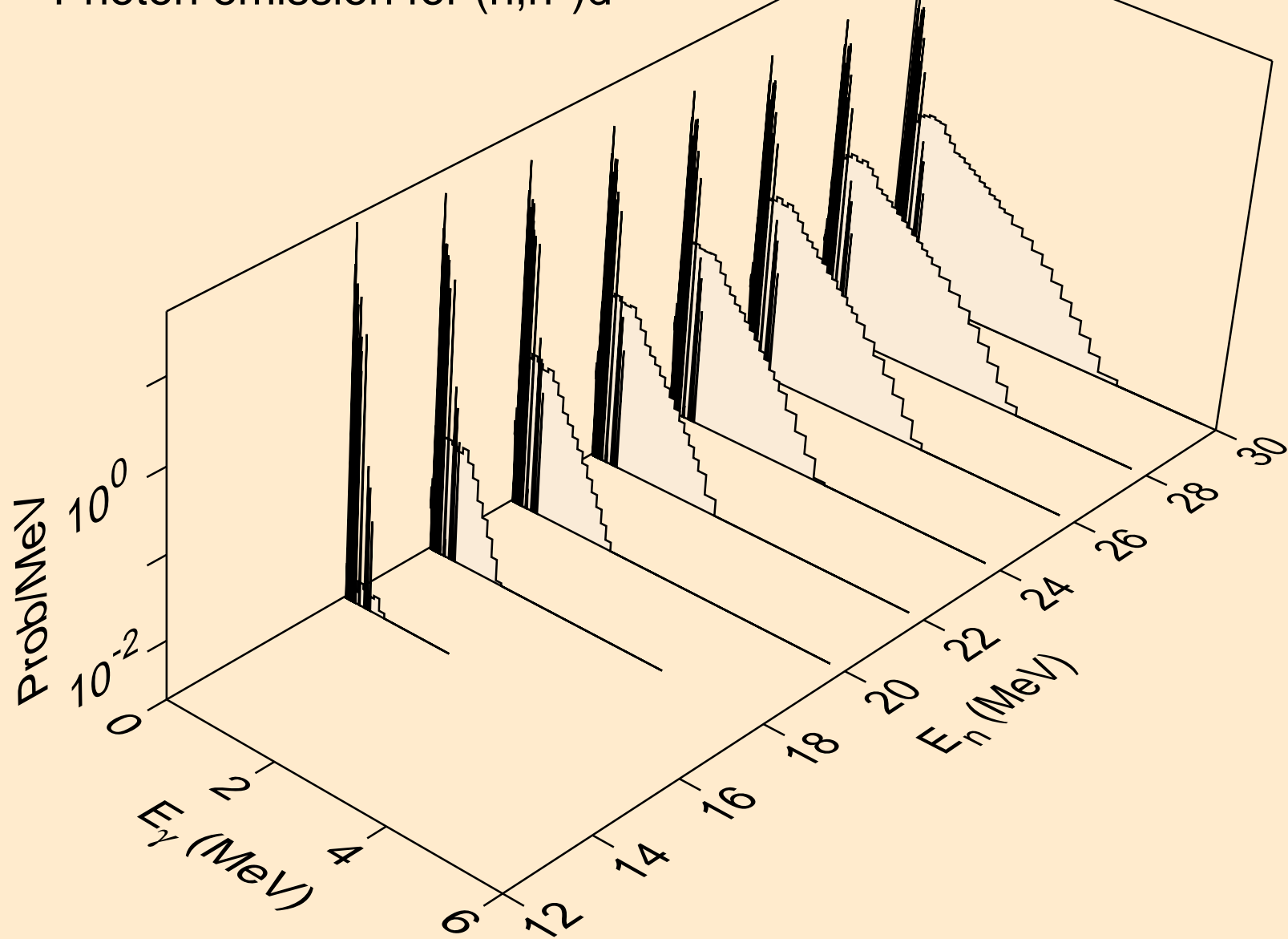
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



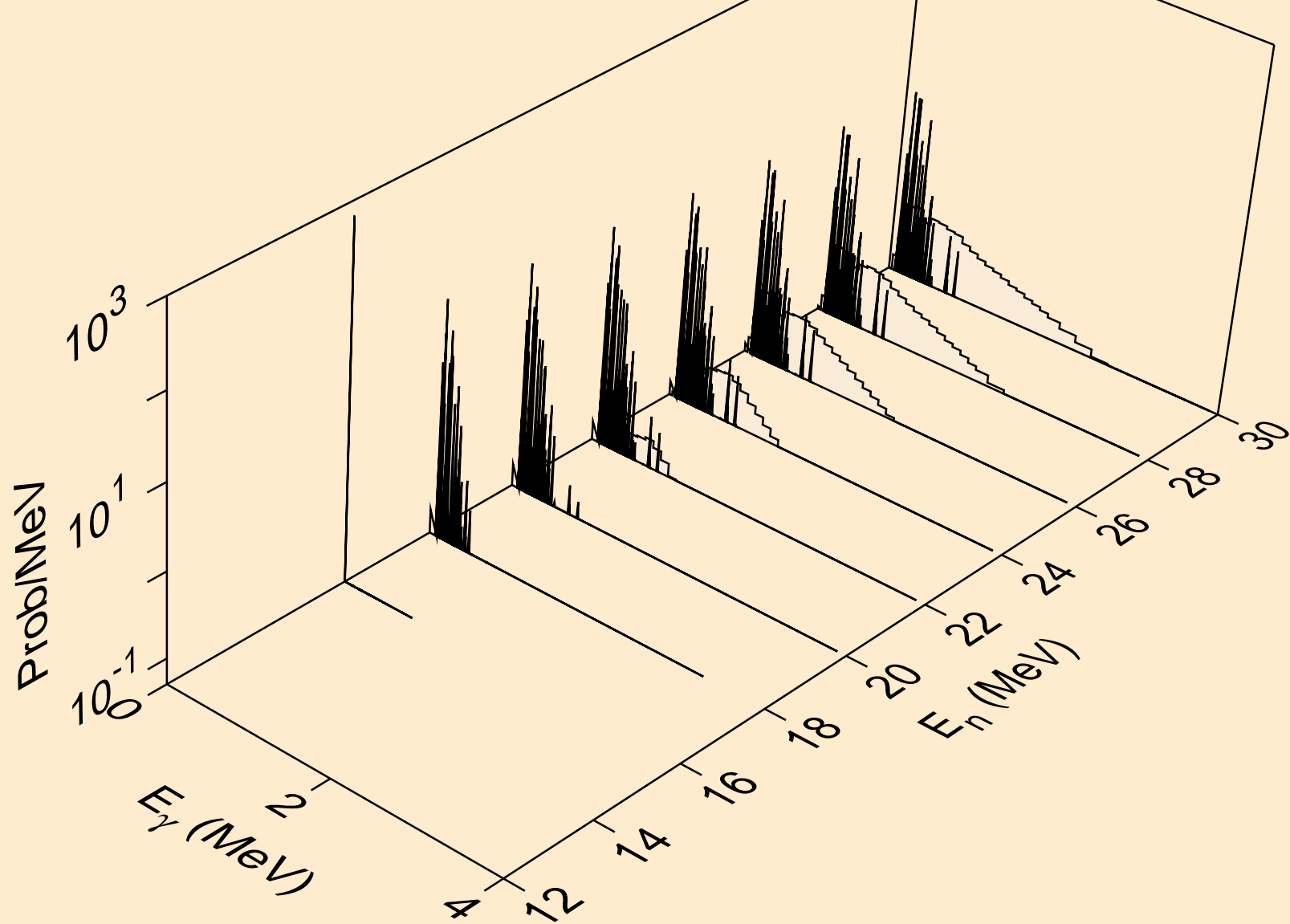
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

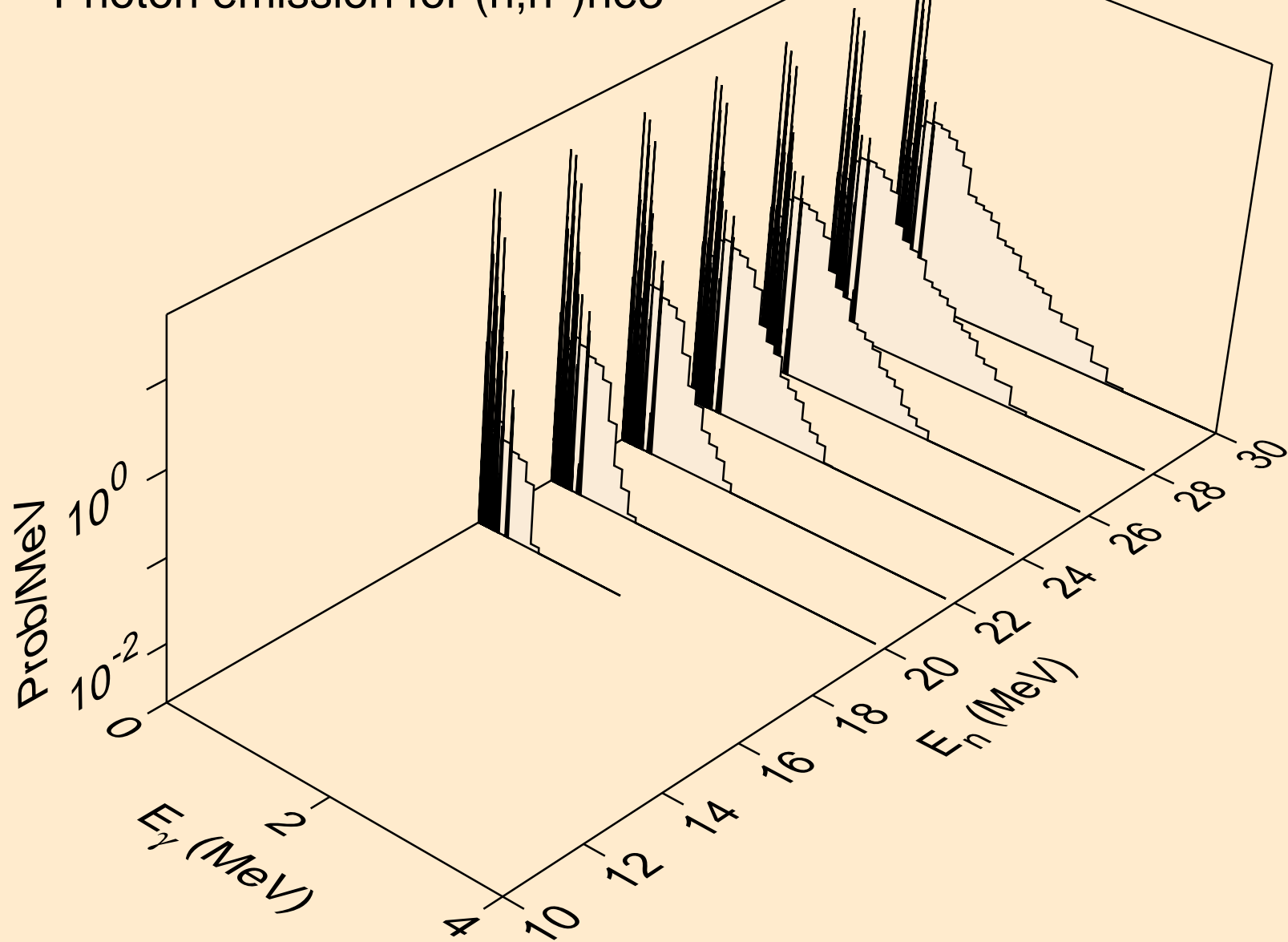


IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

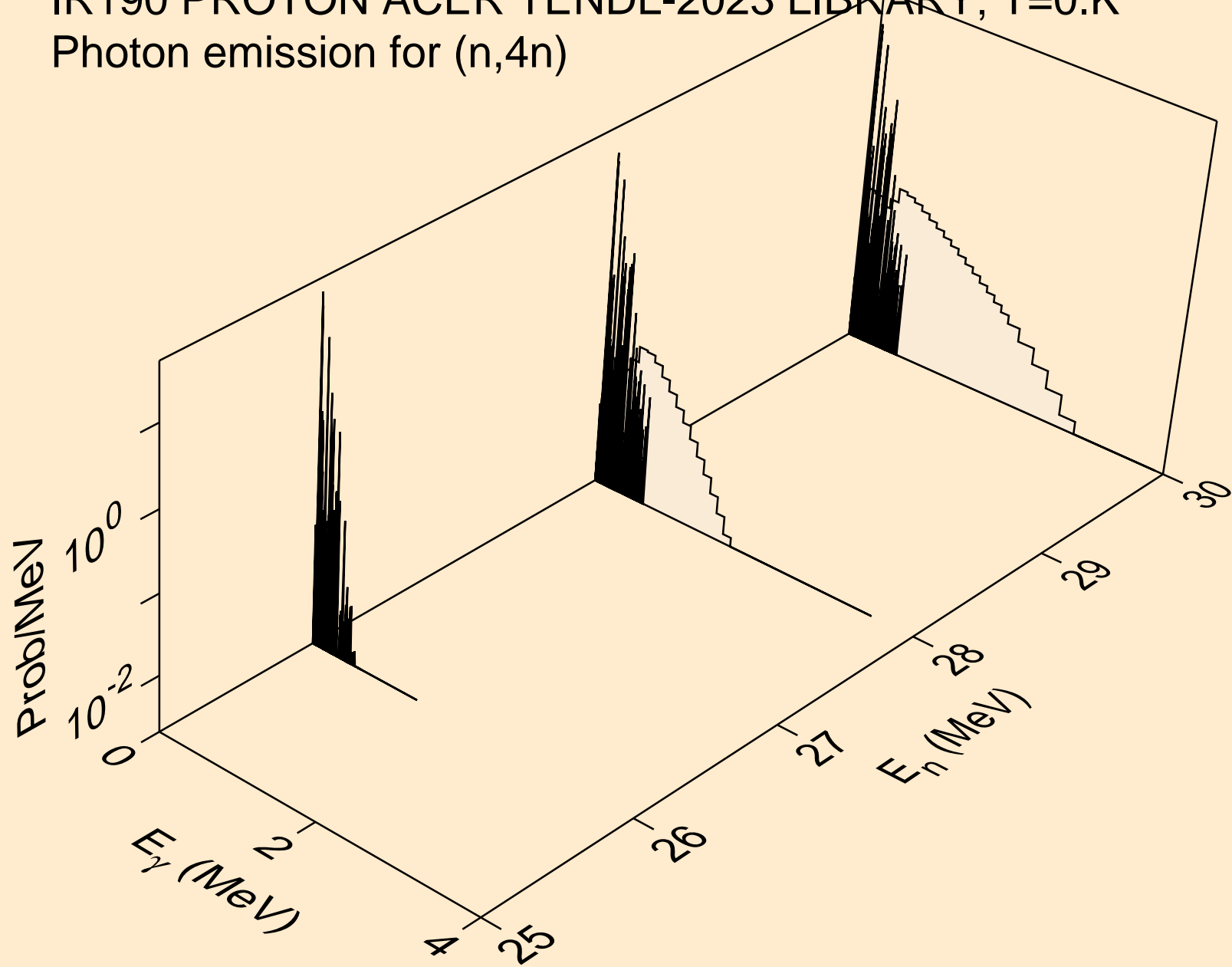




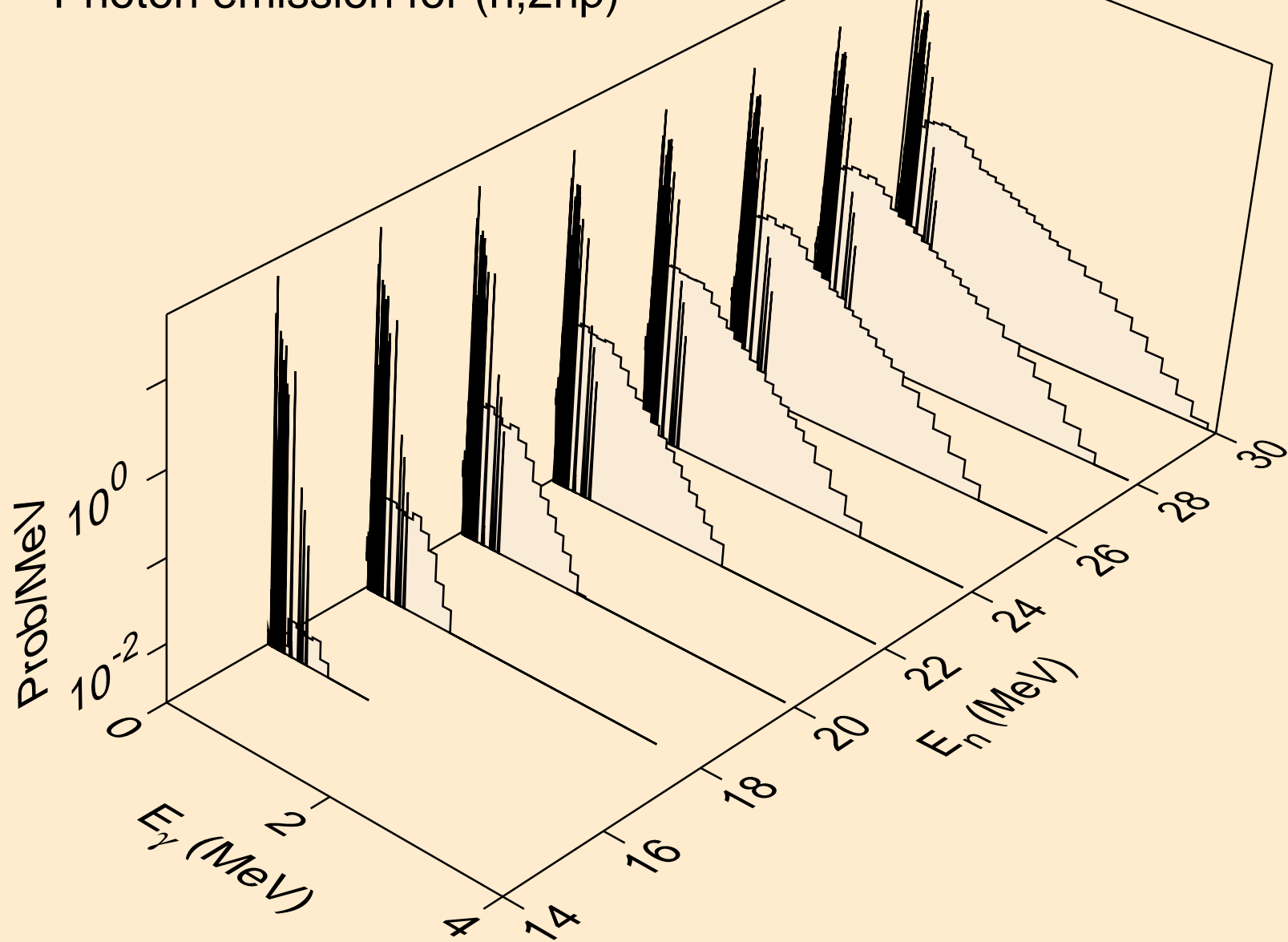
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Photon emission for (n,n\*)he3



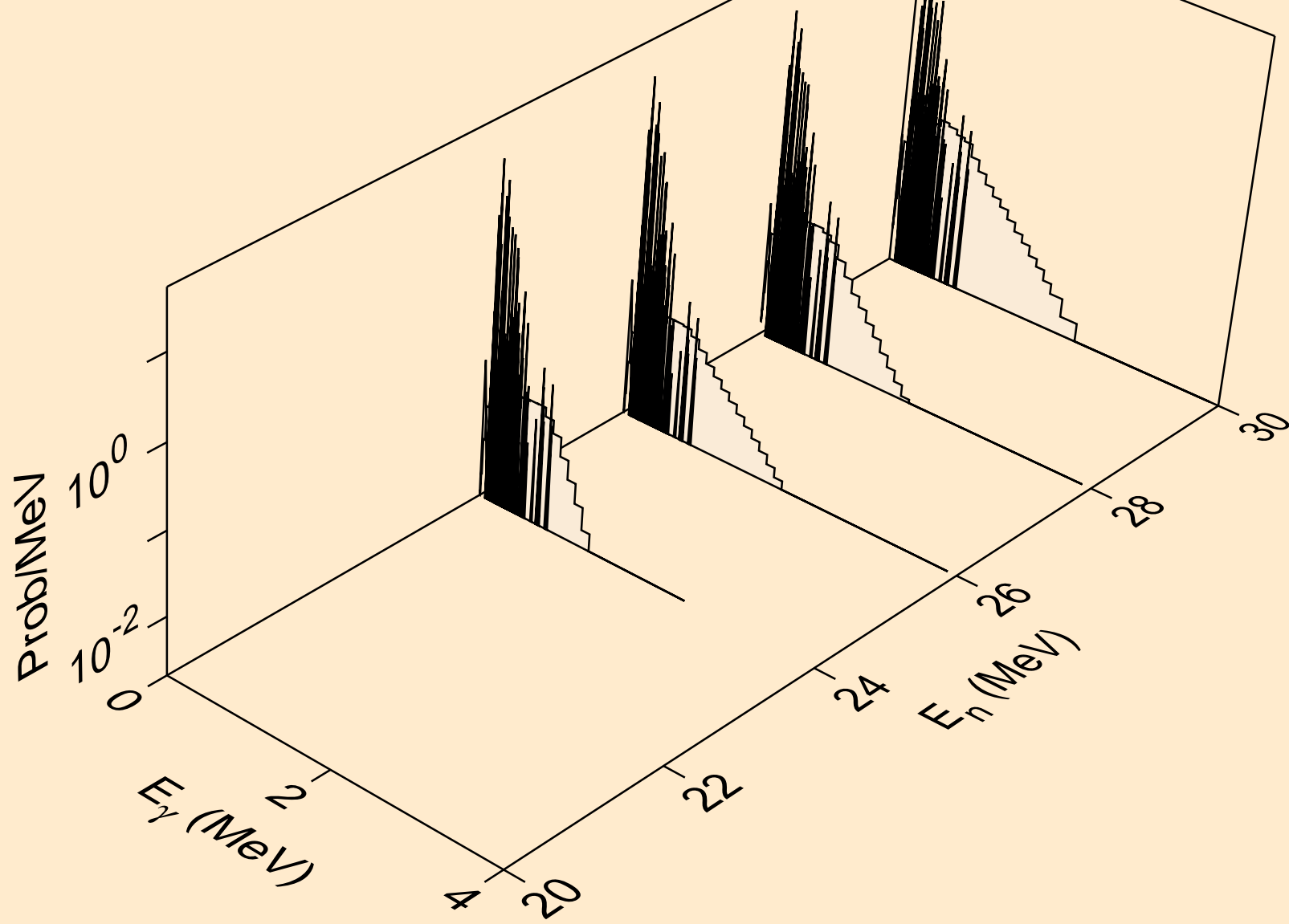
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



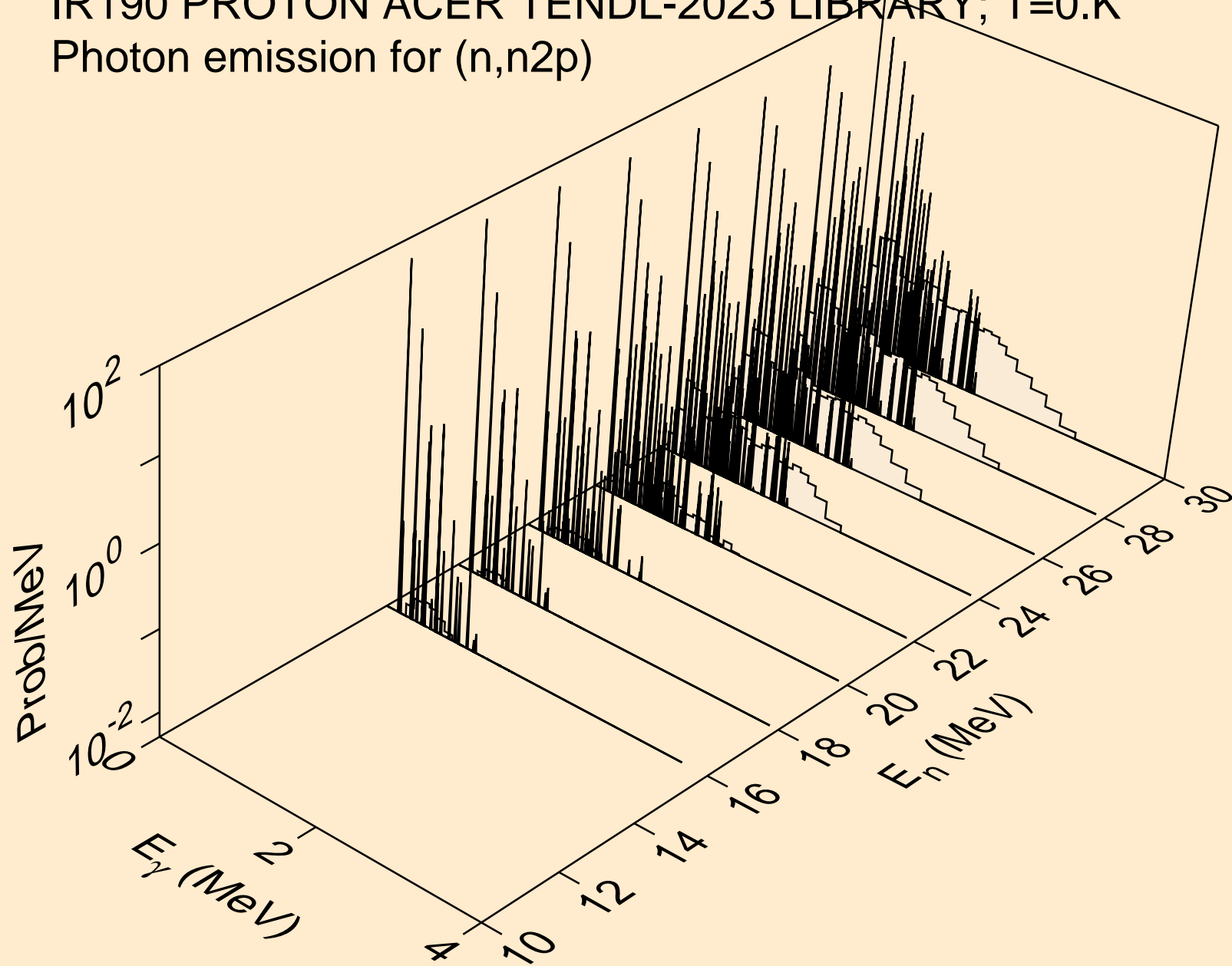
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Photon emission for (n,2np)



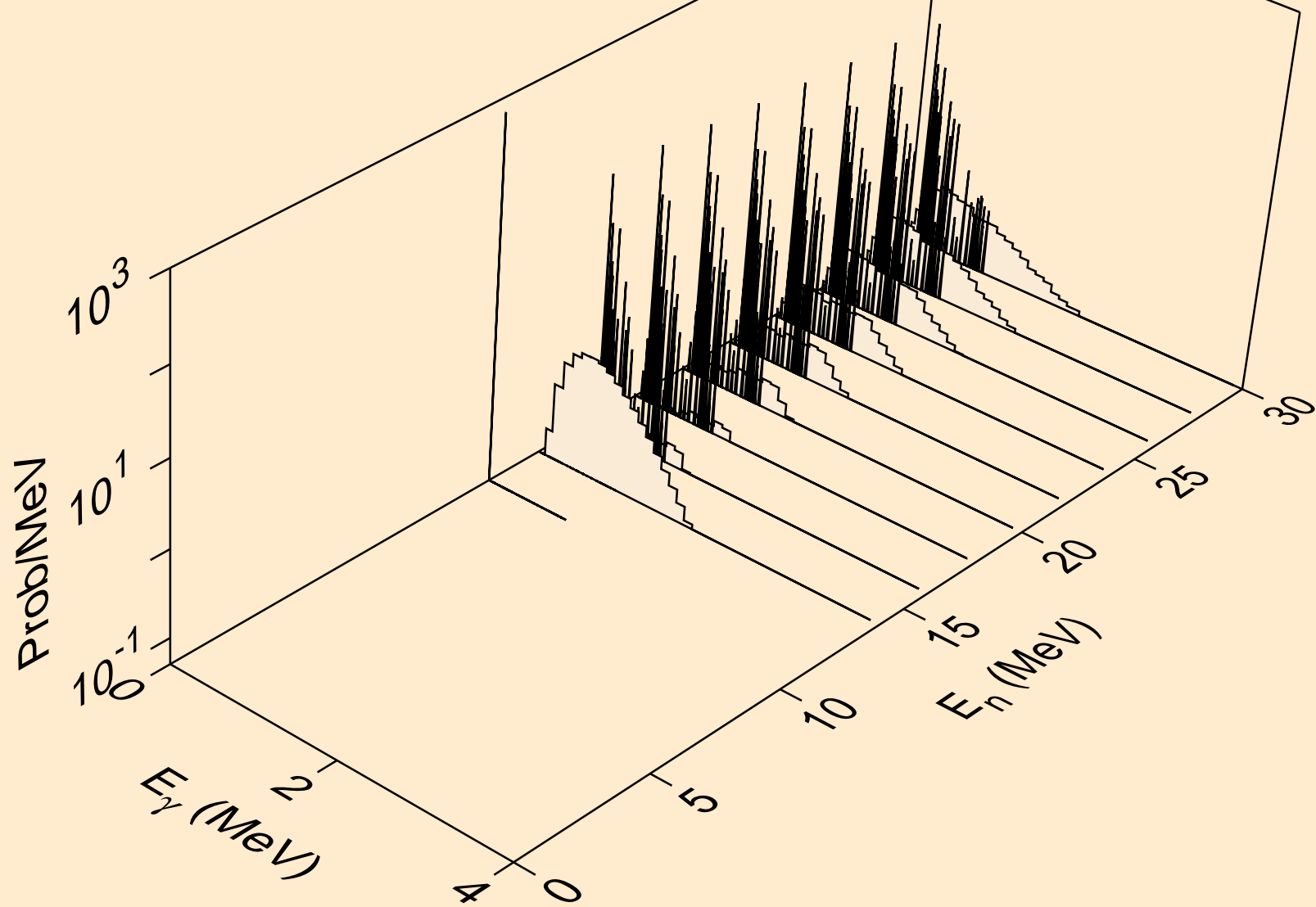
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Photon emission for (n,3np)



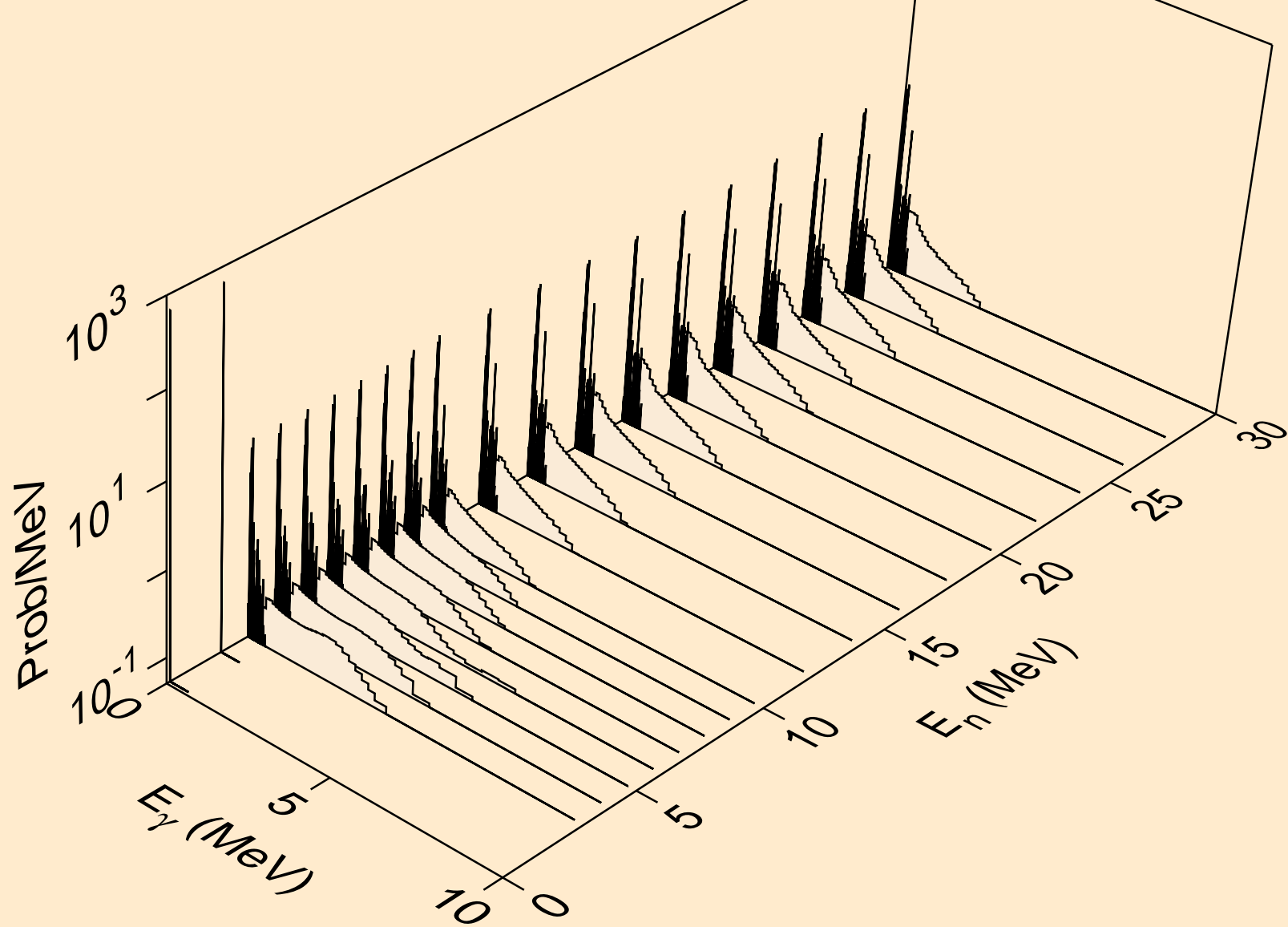
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



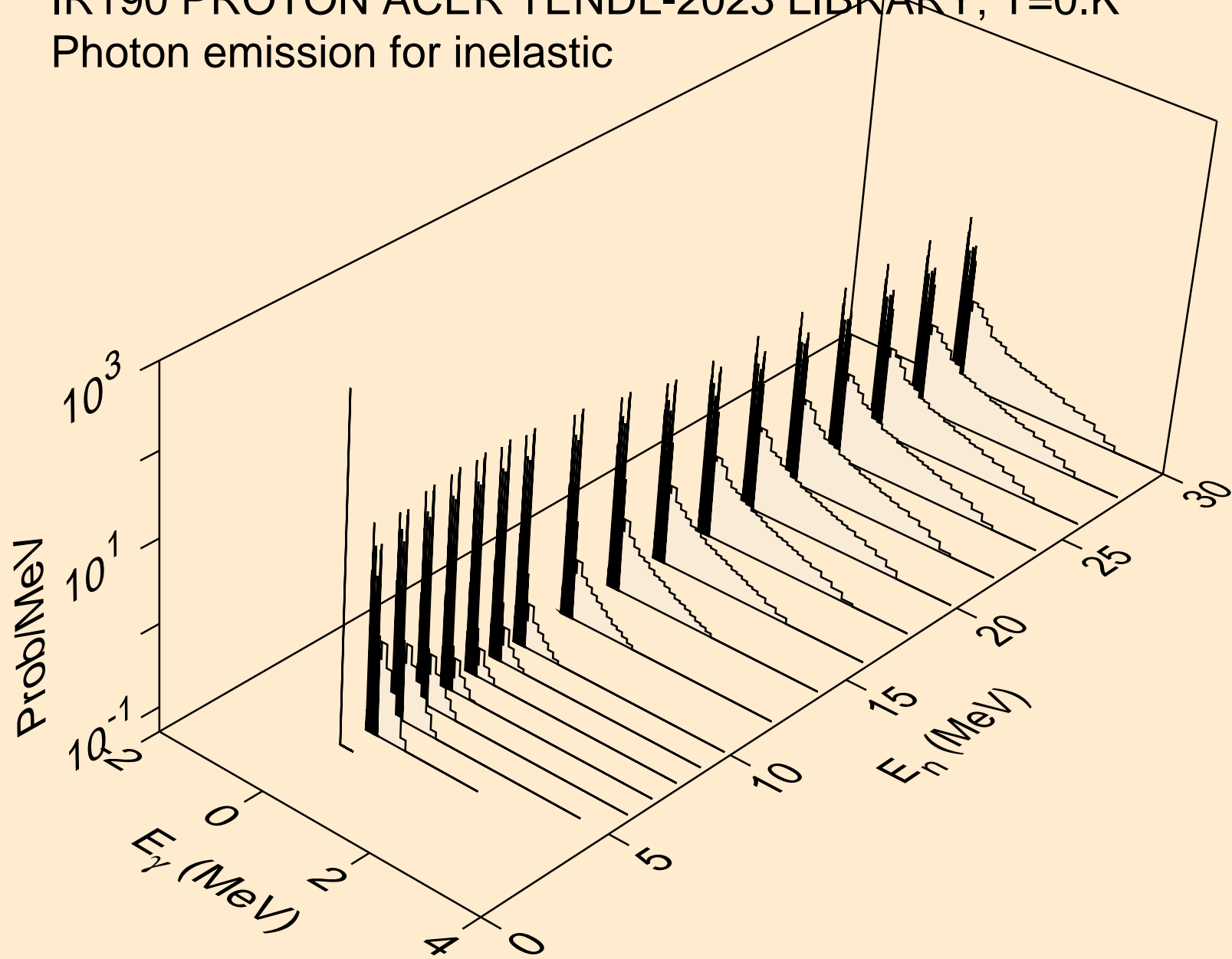
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)

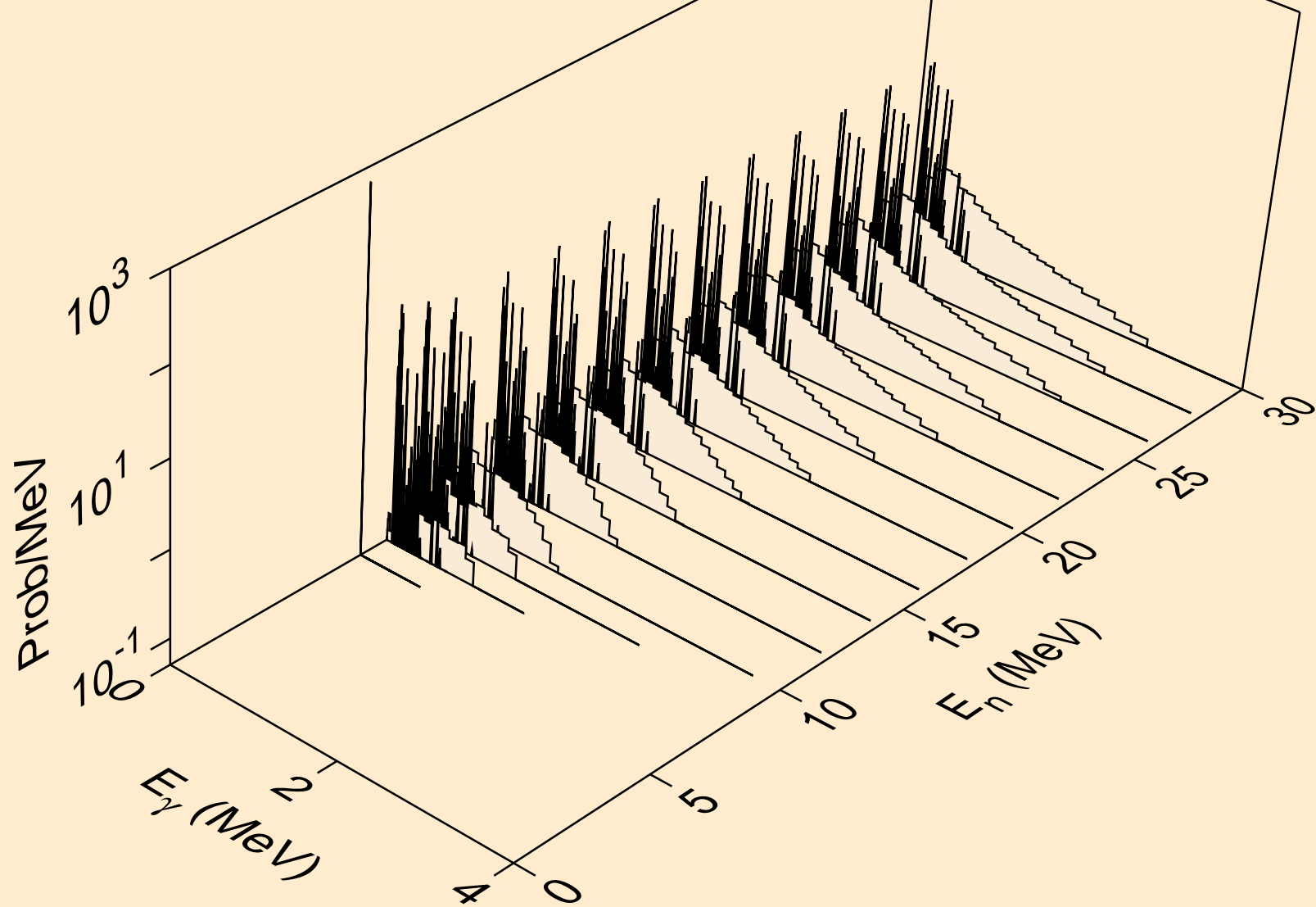


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Photon emission for inelastic

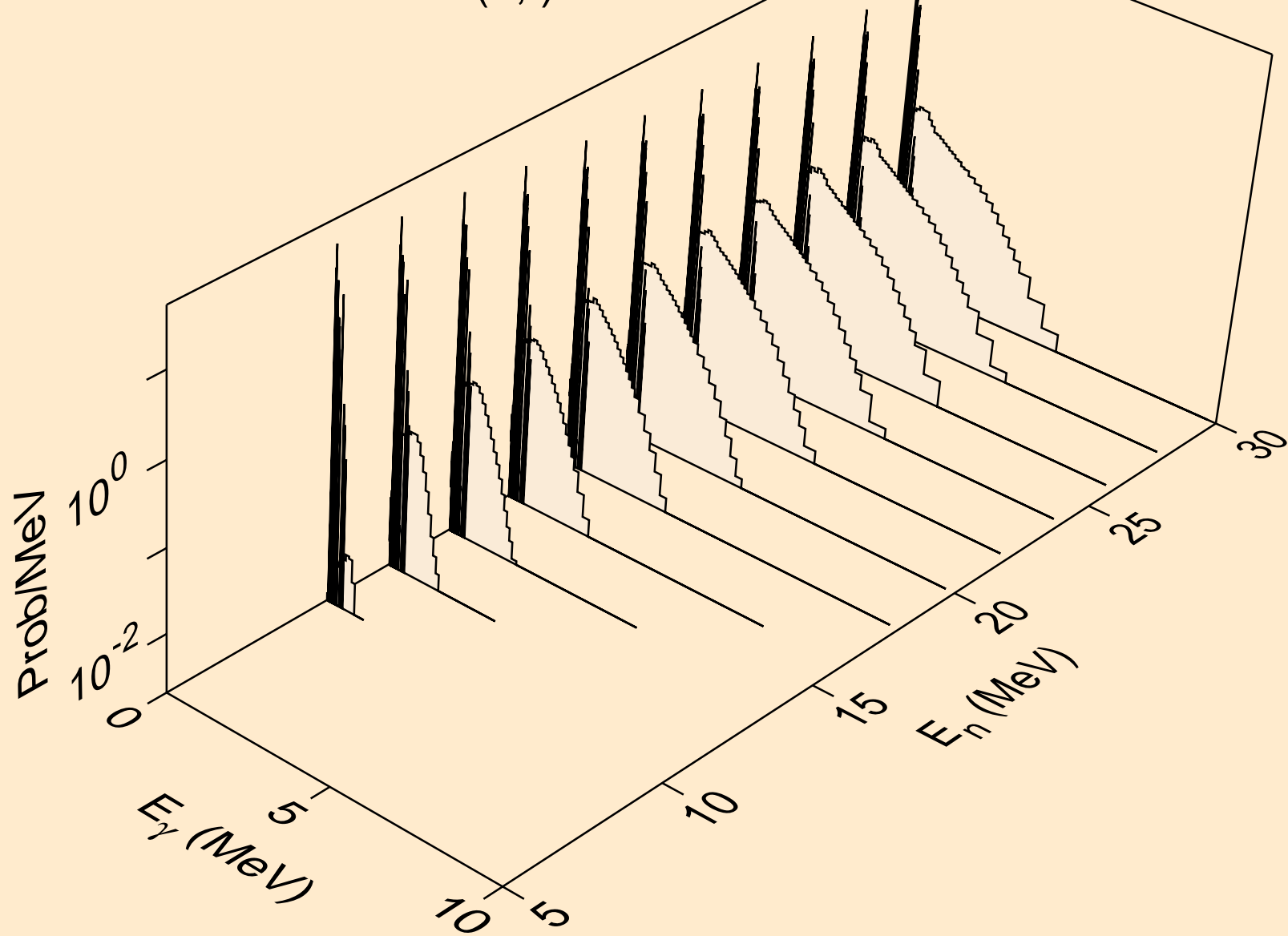




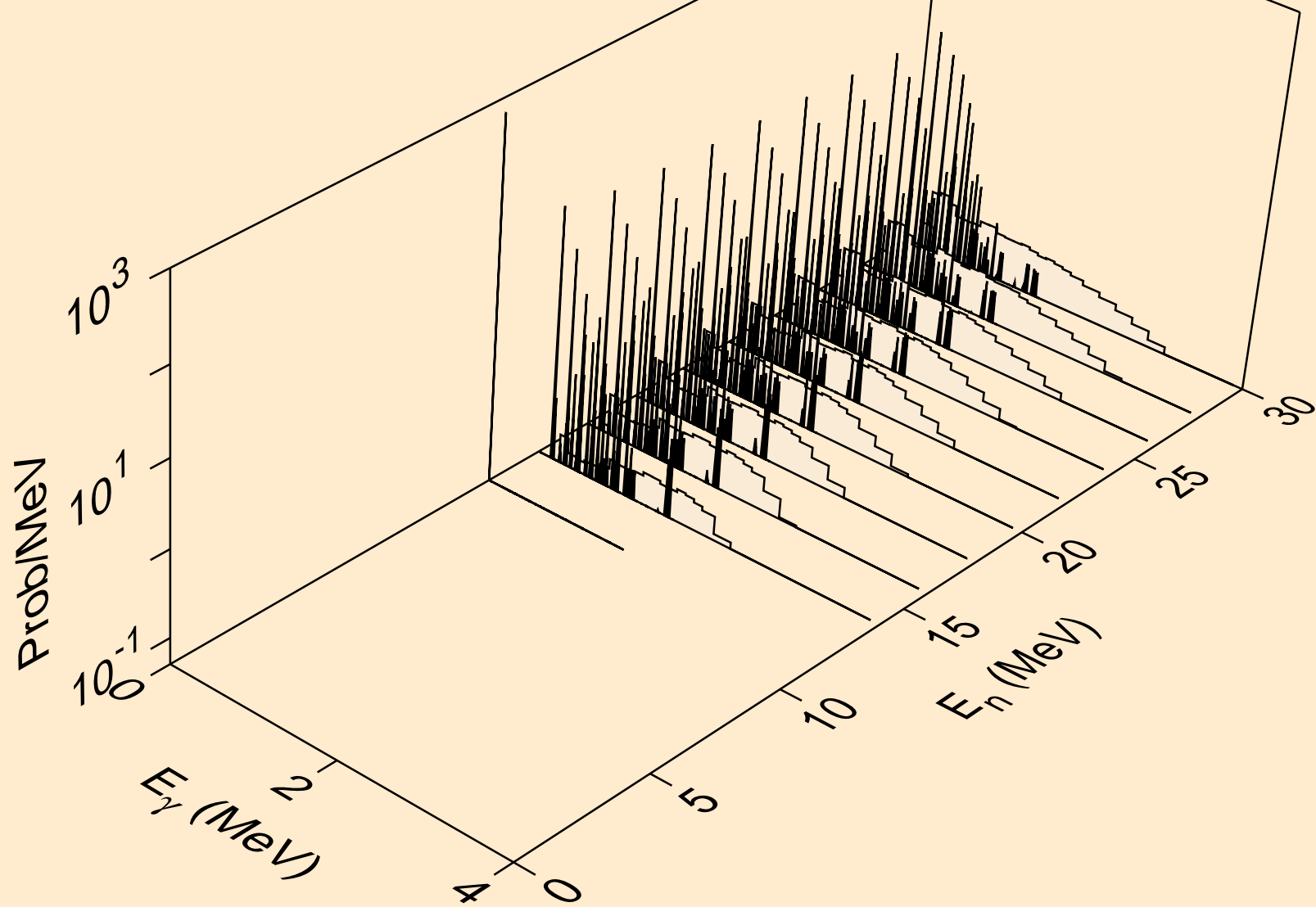
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Photon emission for (n,d)



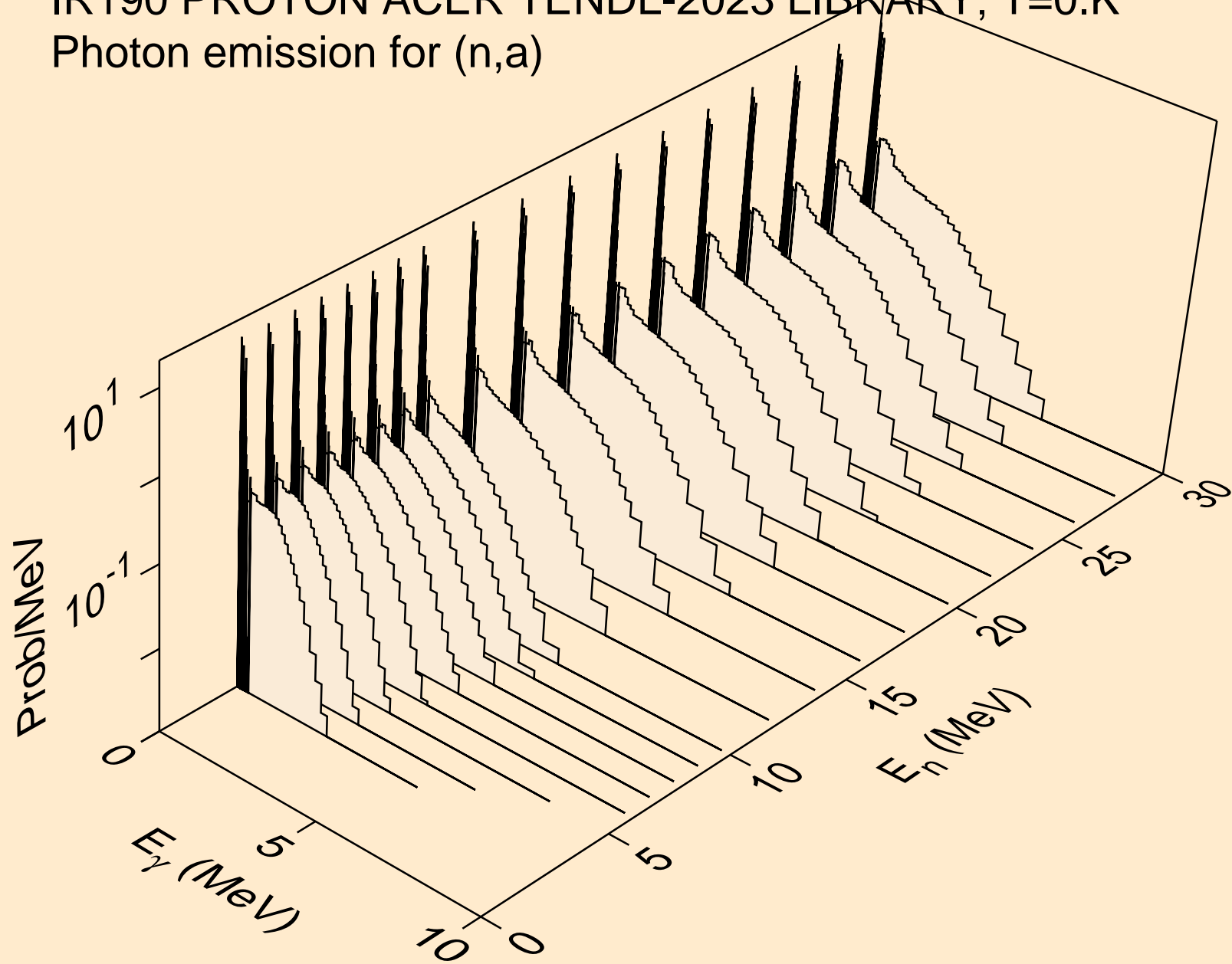
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Photon emission for (n,t)



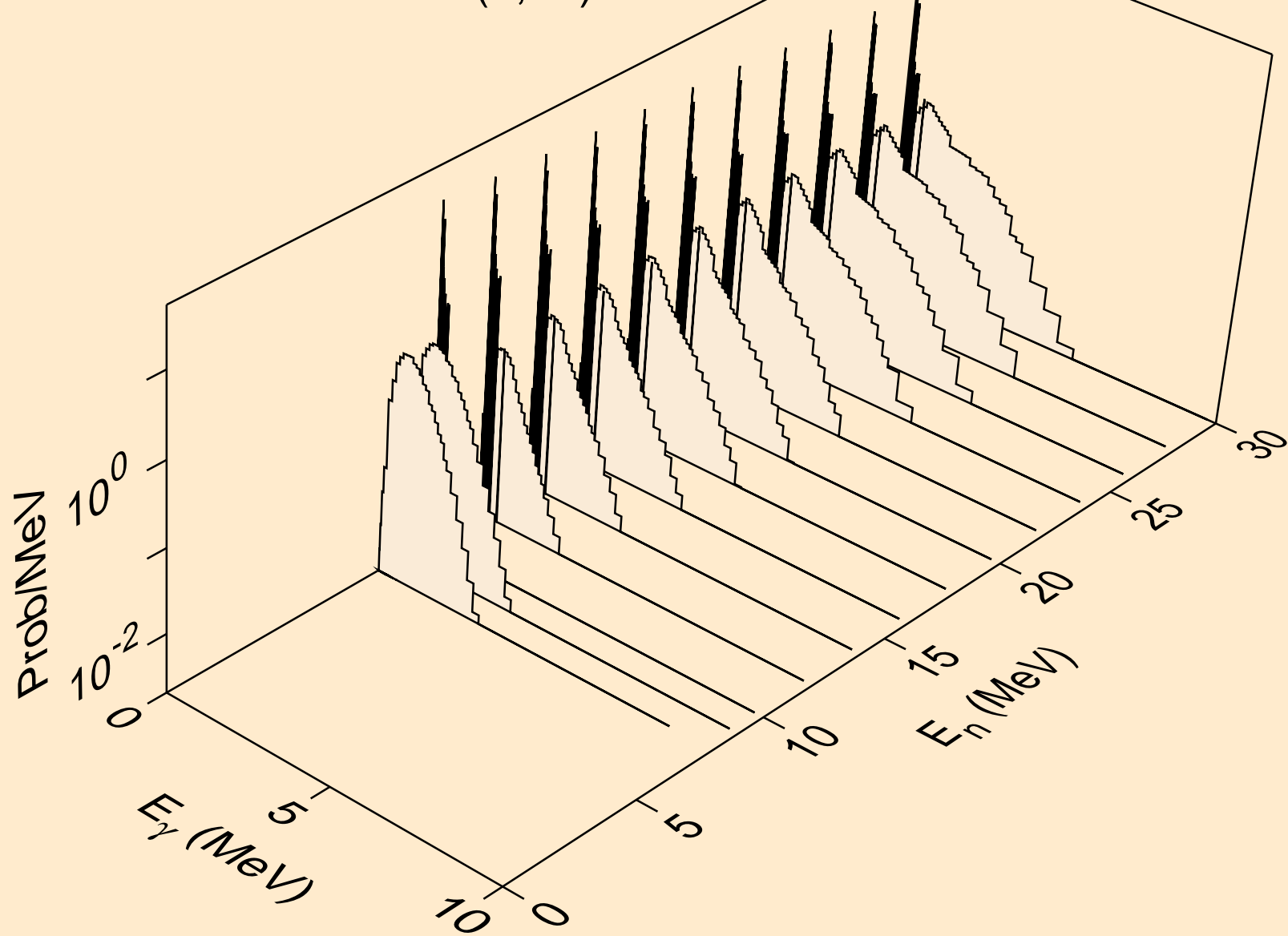
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Photon emission for (n,he3)



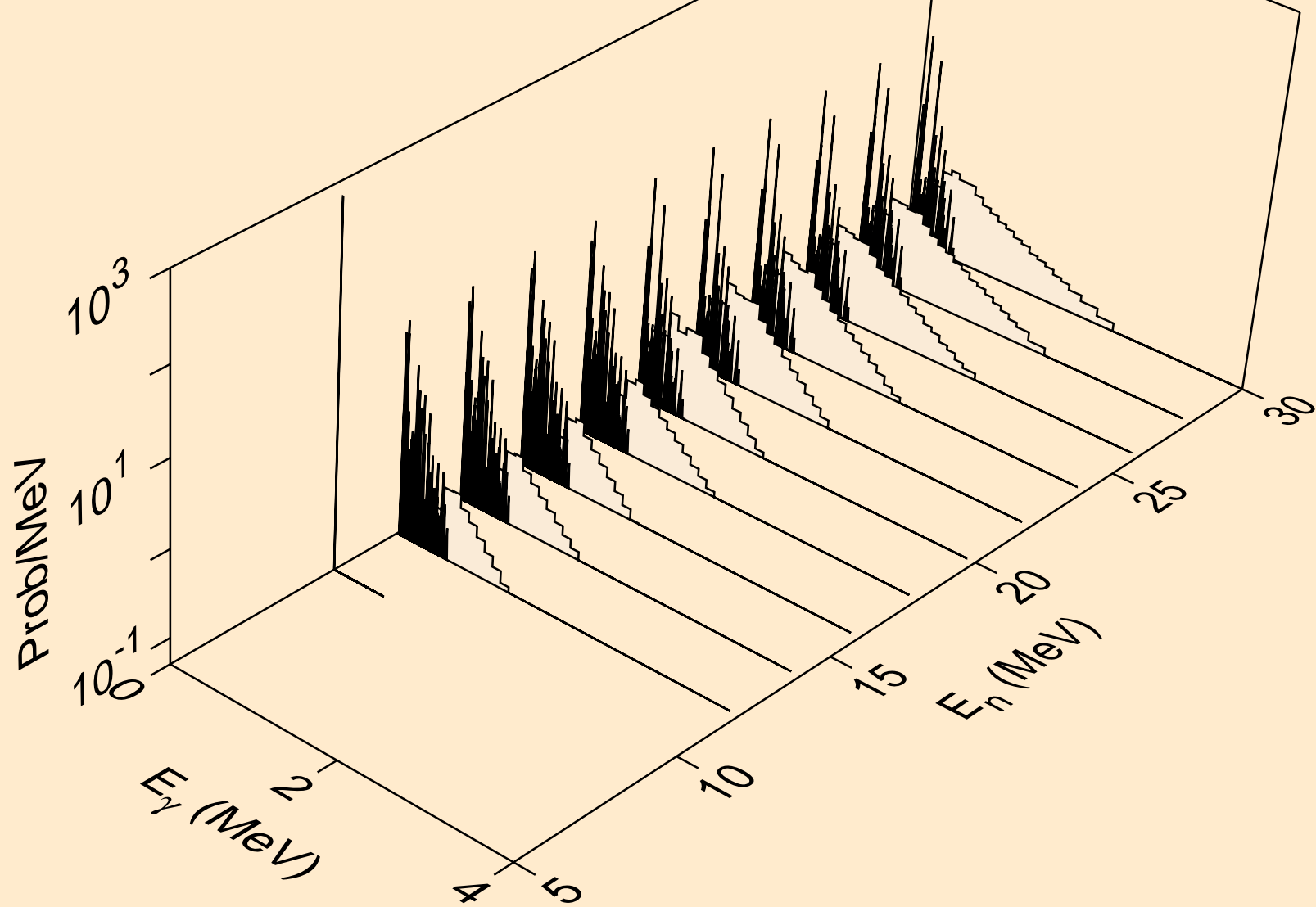
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Photon emission for (n,a)



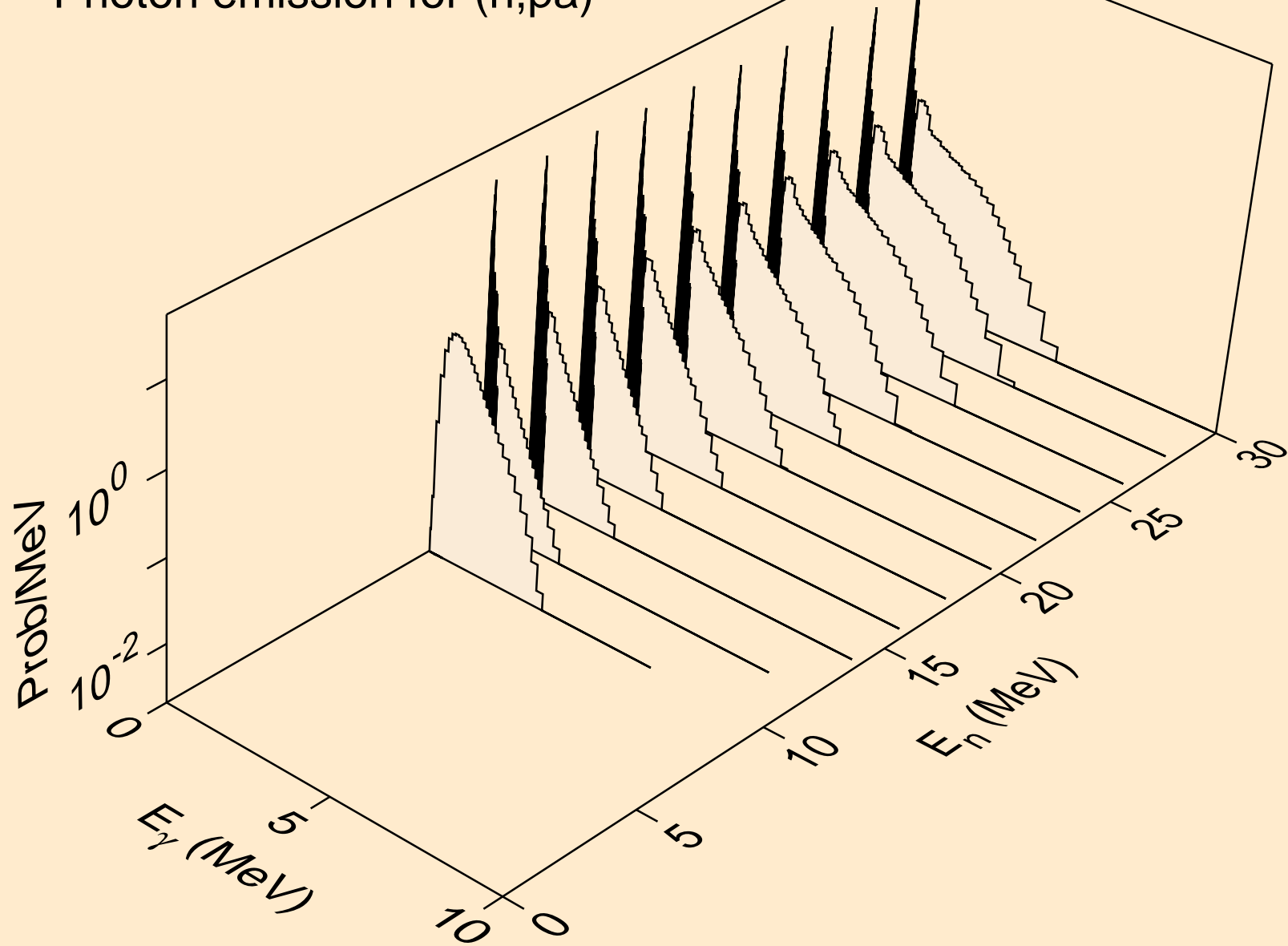
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Photon emission for (n,2a)



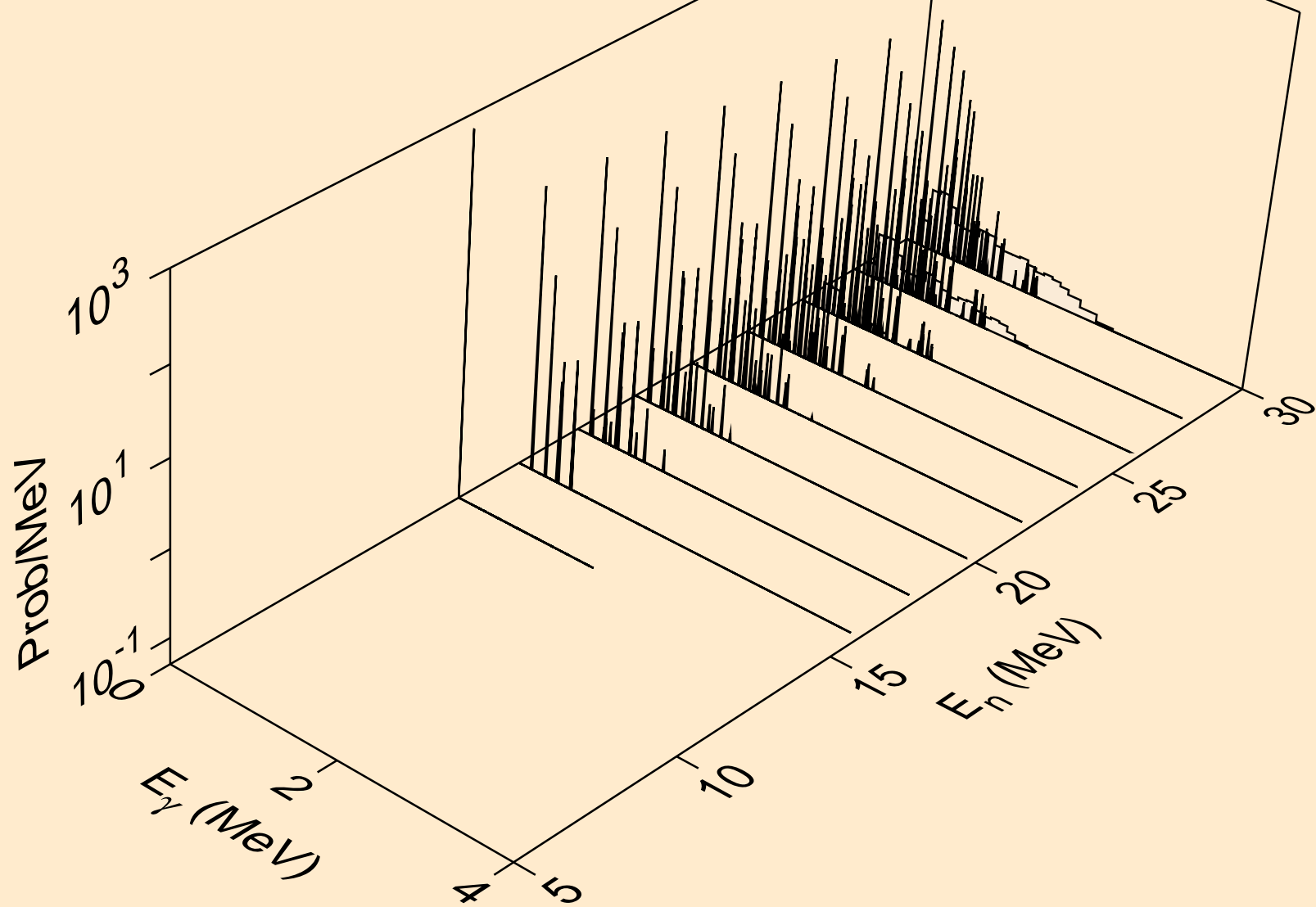
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)

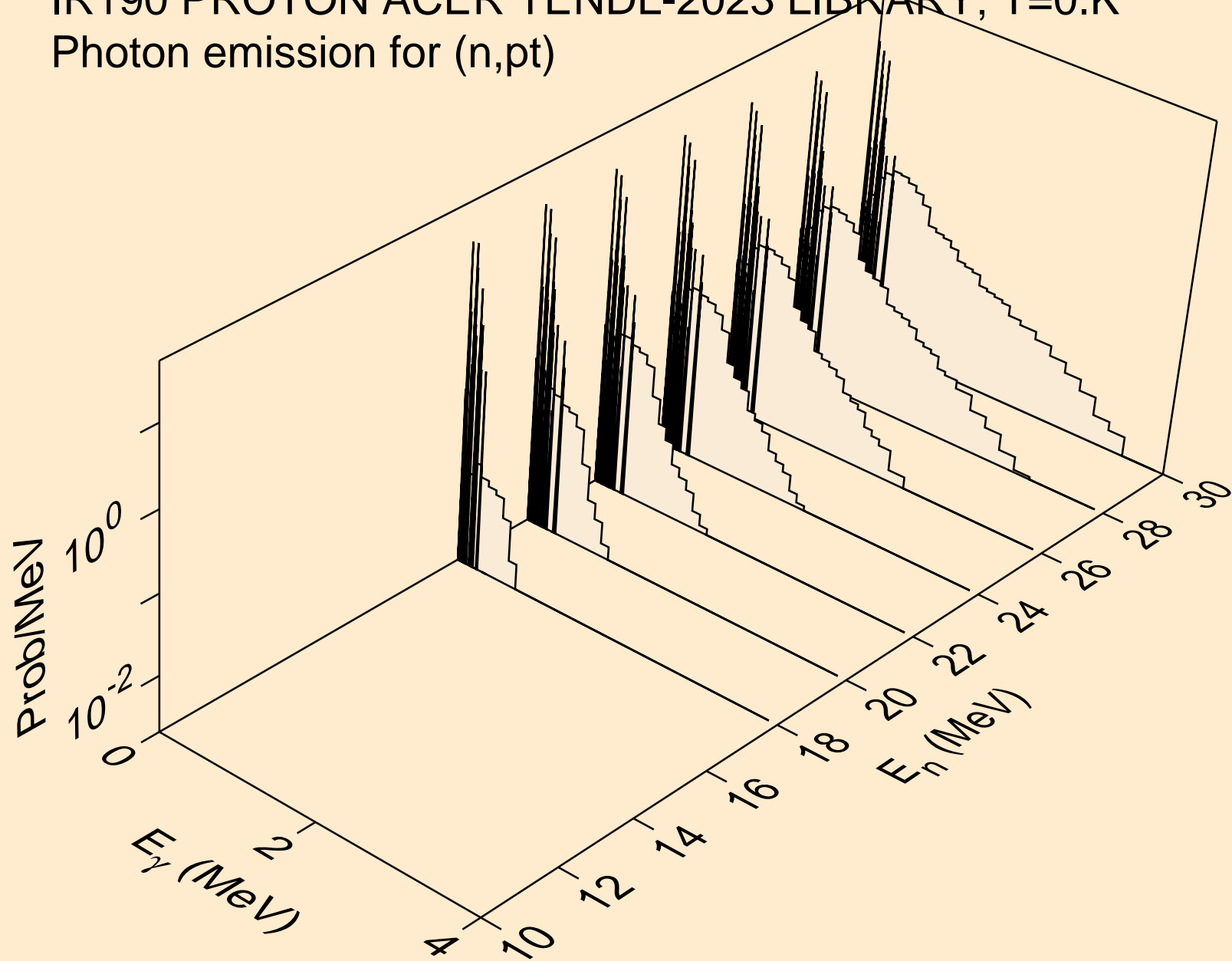


IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)

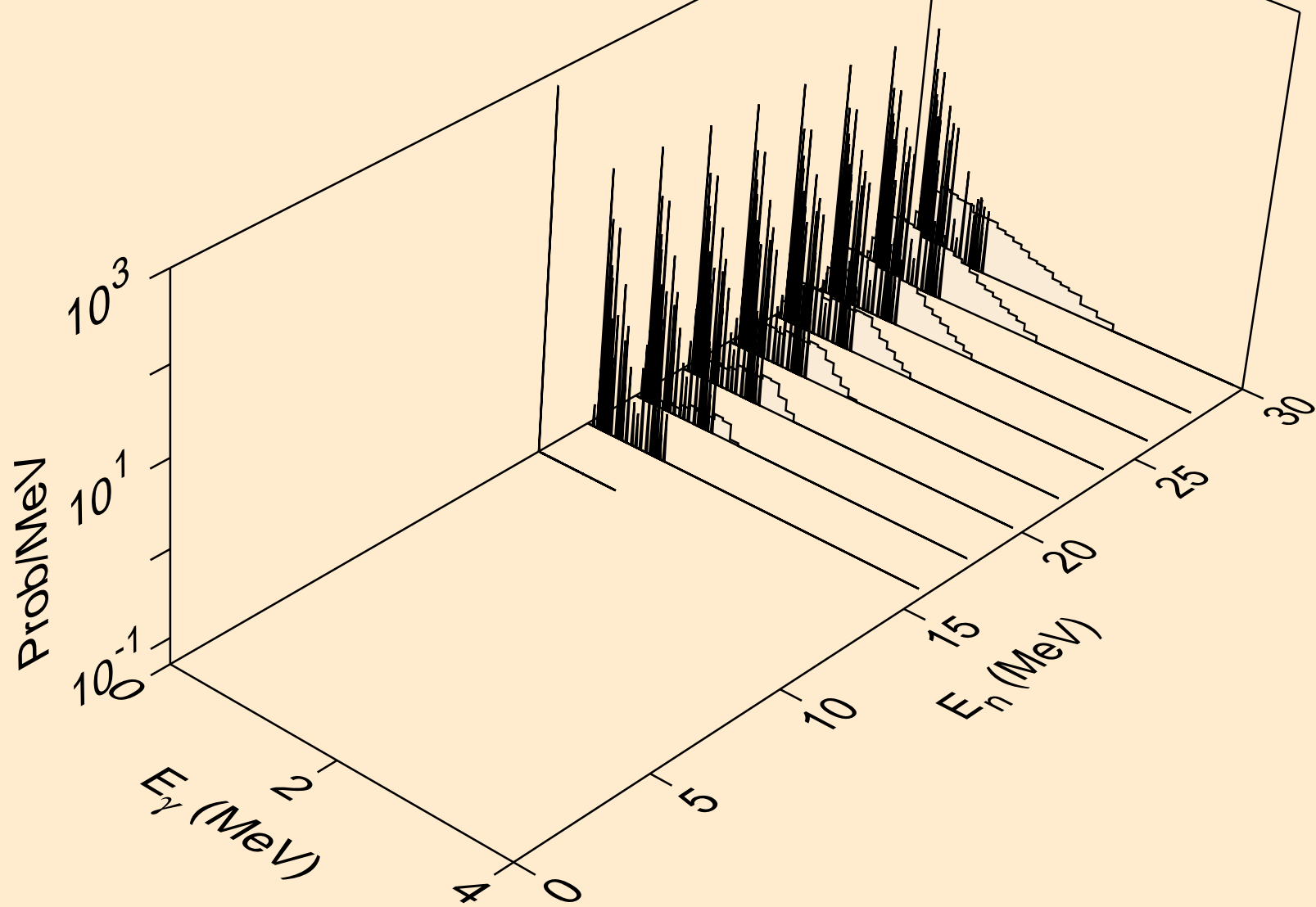




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Photon emission for (n,pt)

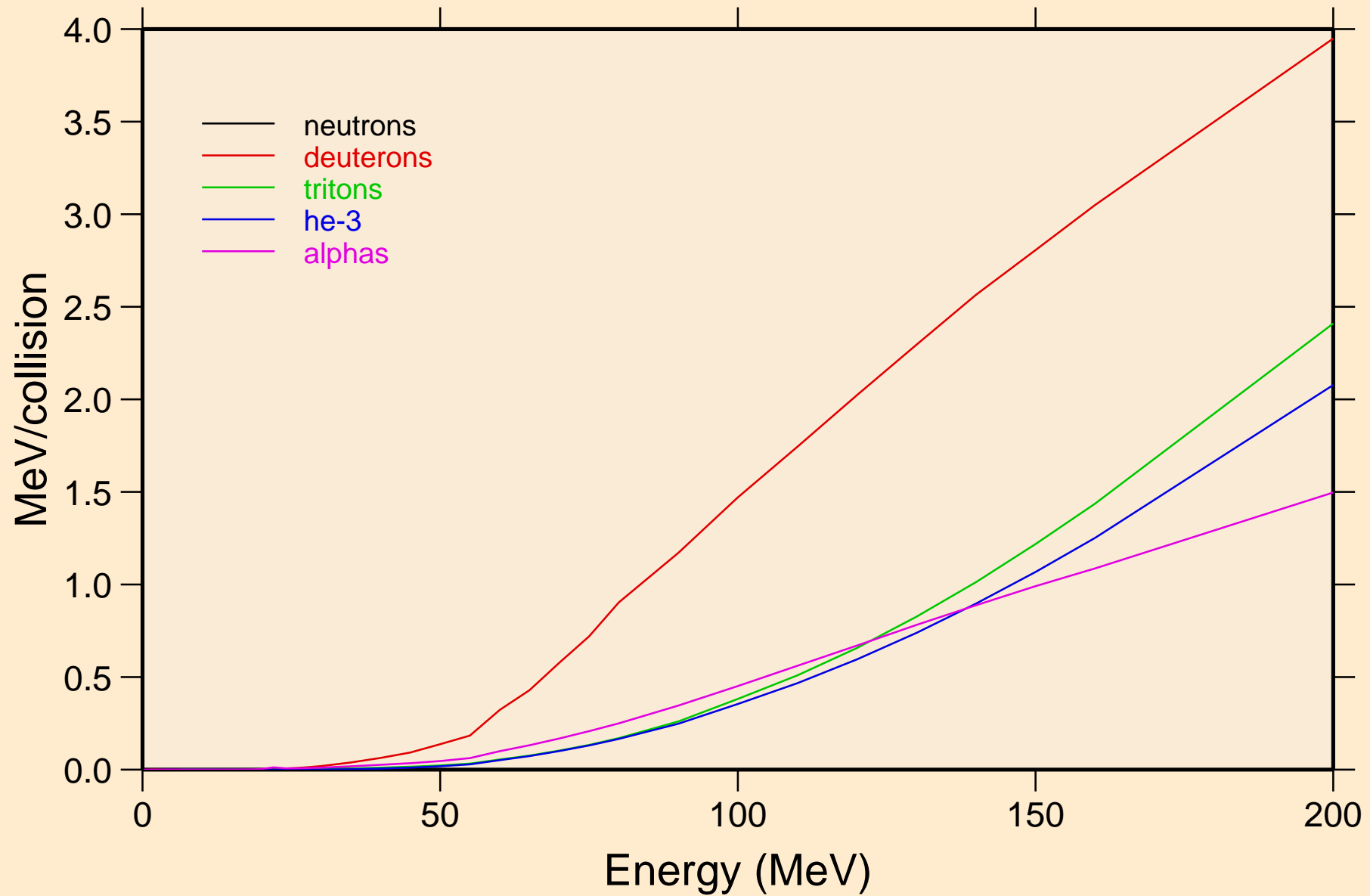


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Photon emission for (n,da)

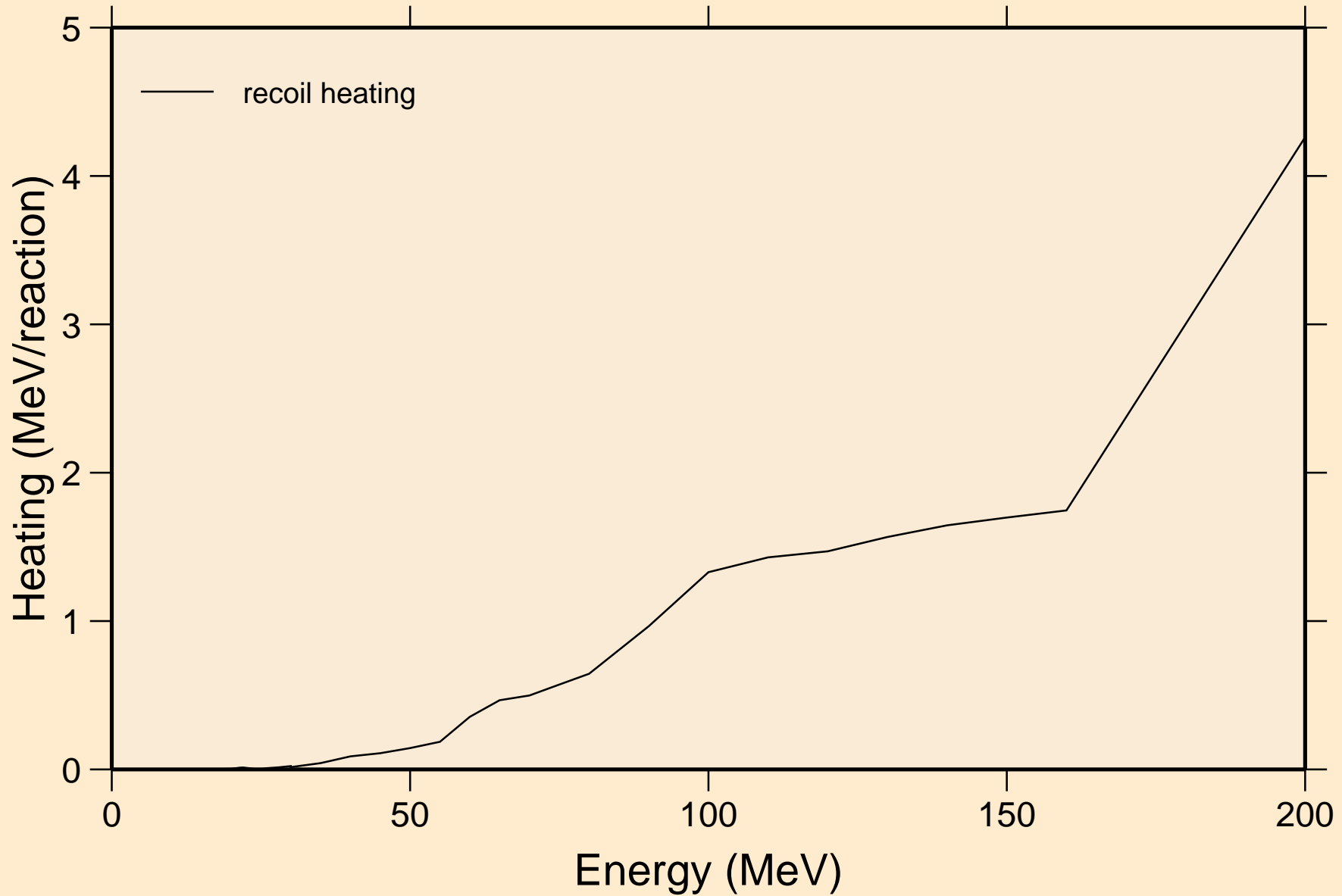


# IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K

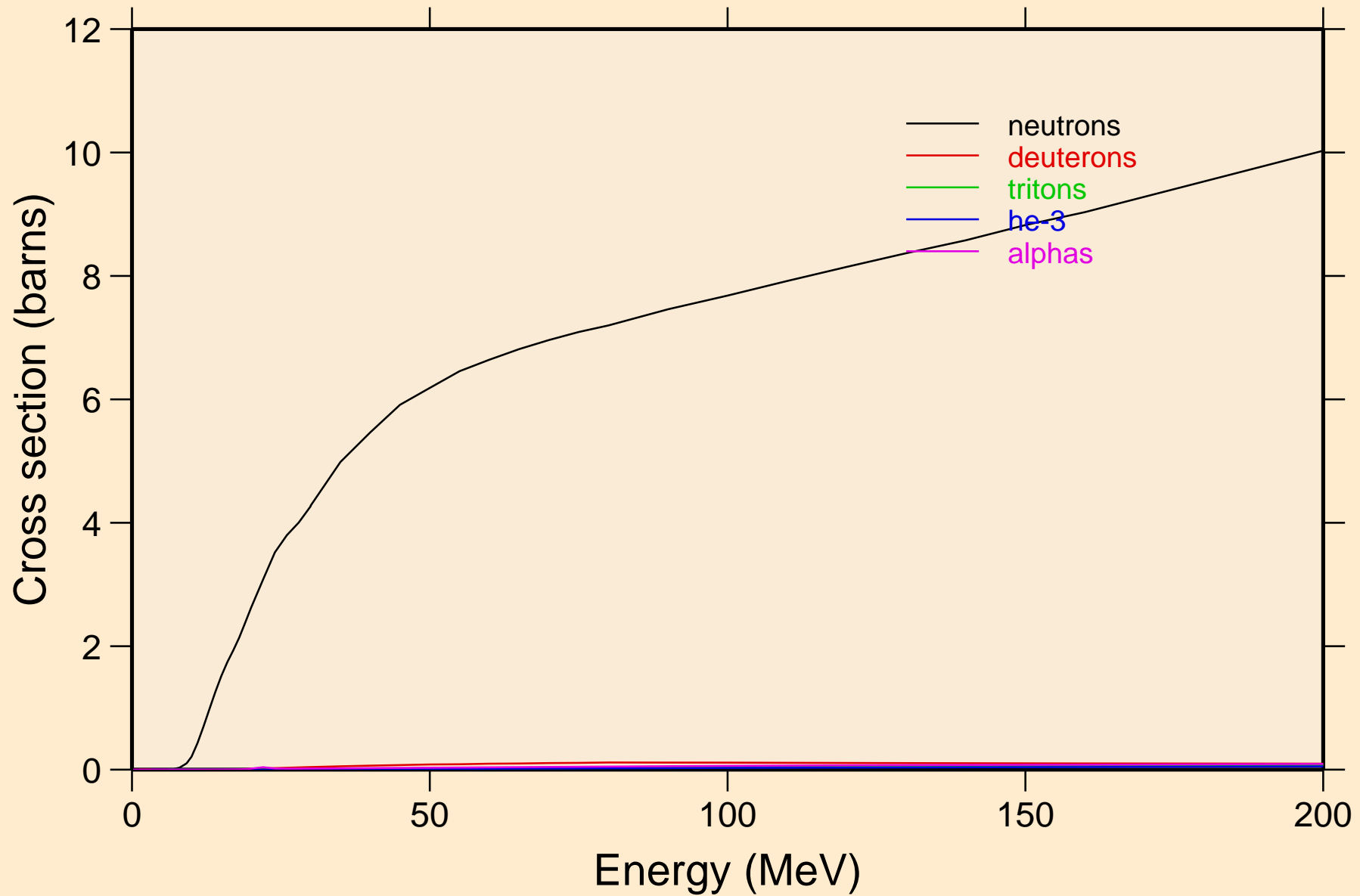
## Particle heating contributions



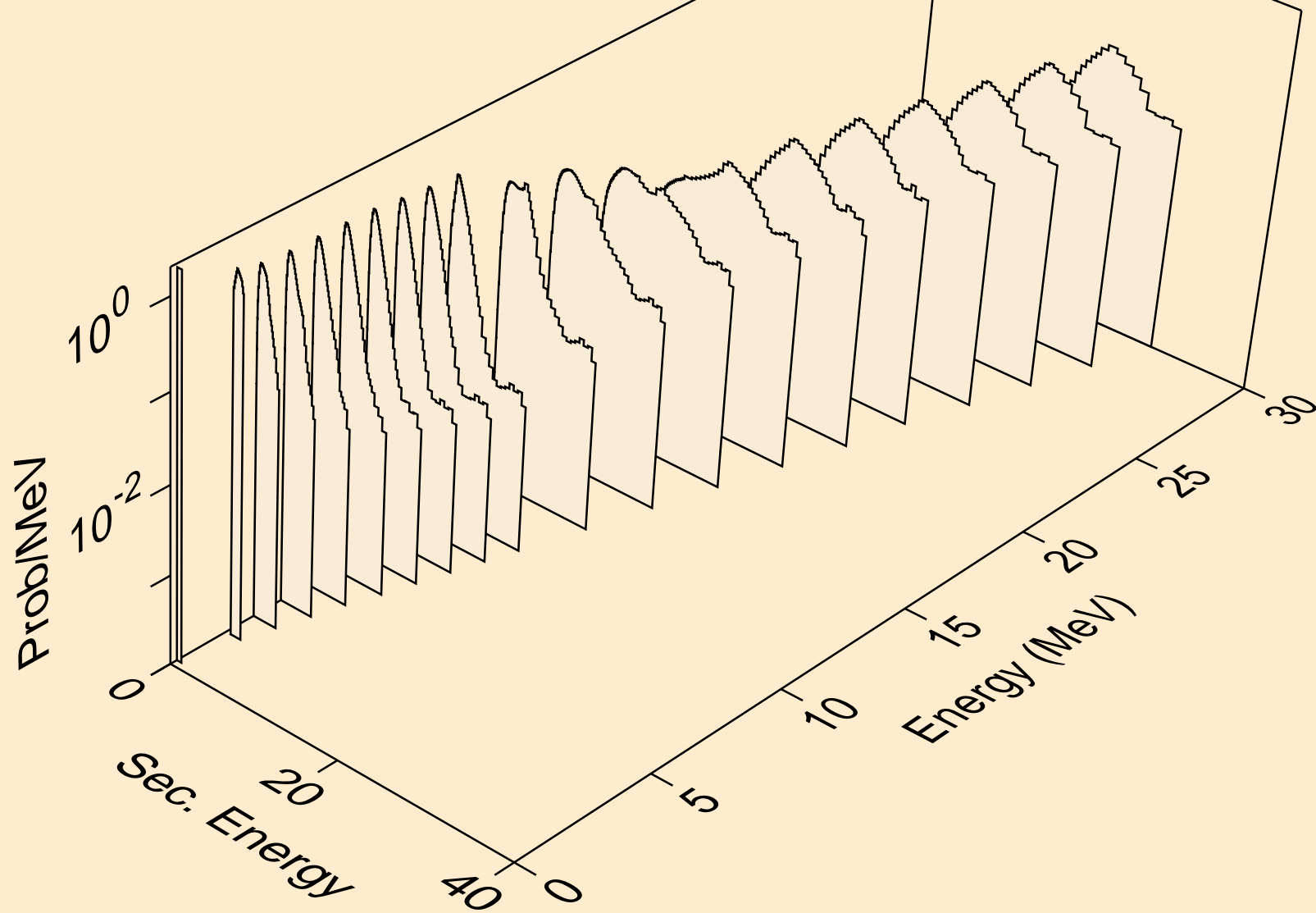
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



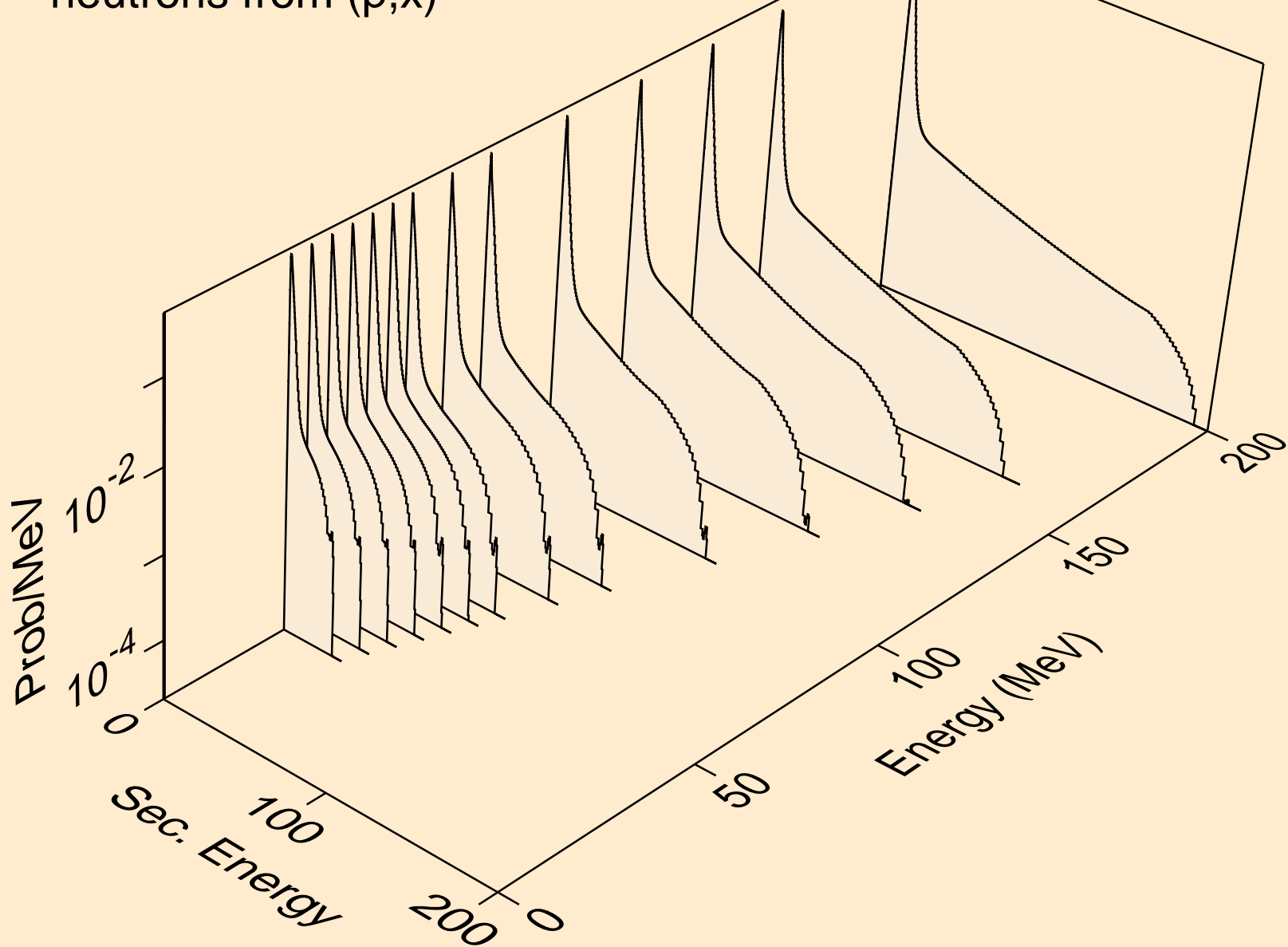
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



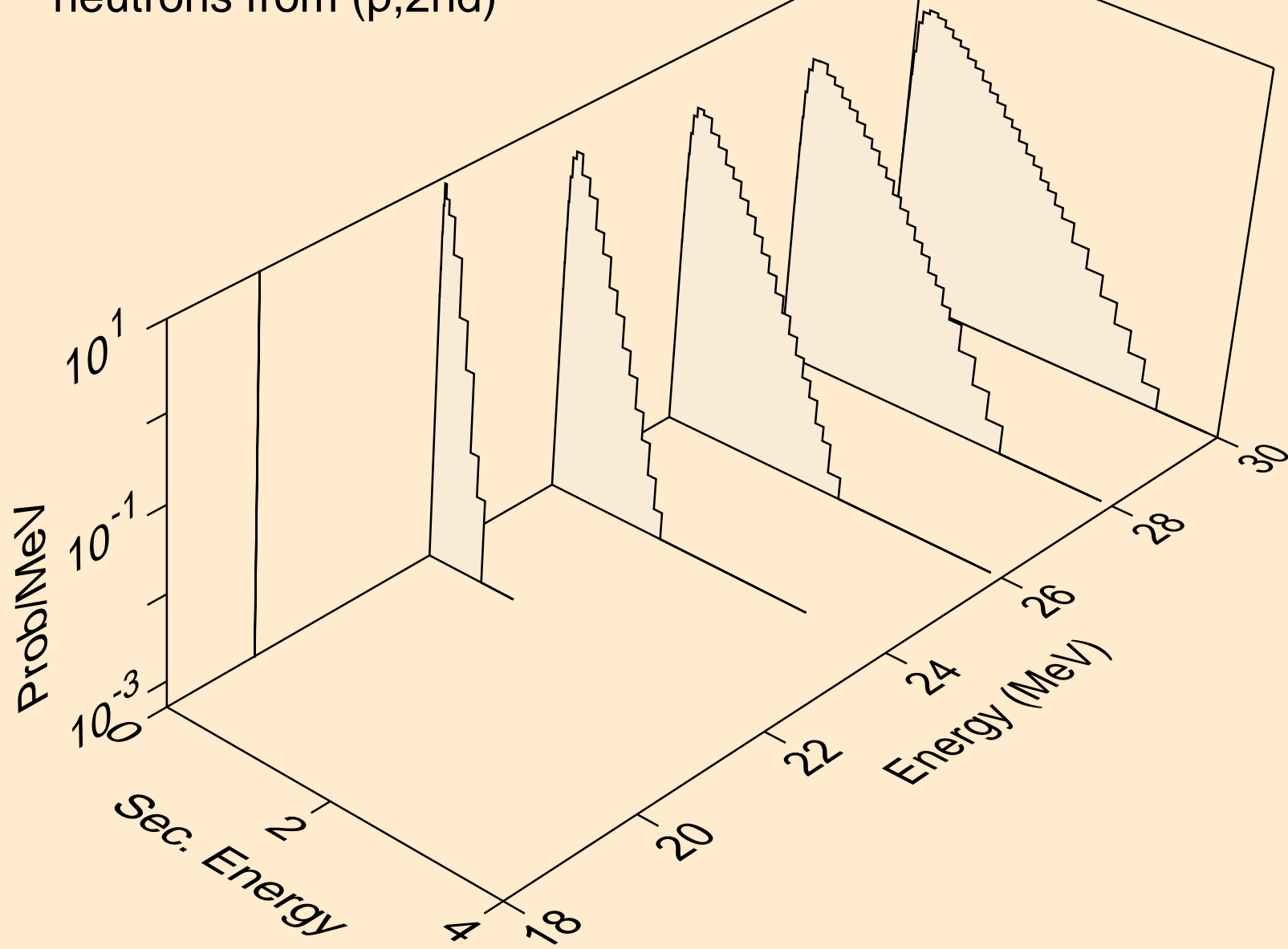
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)

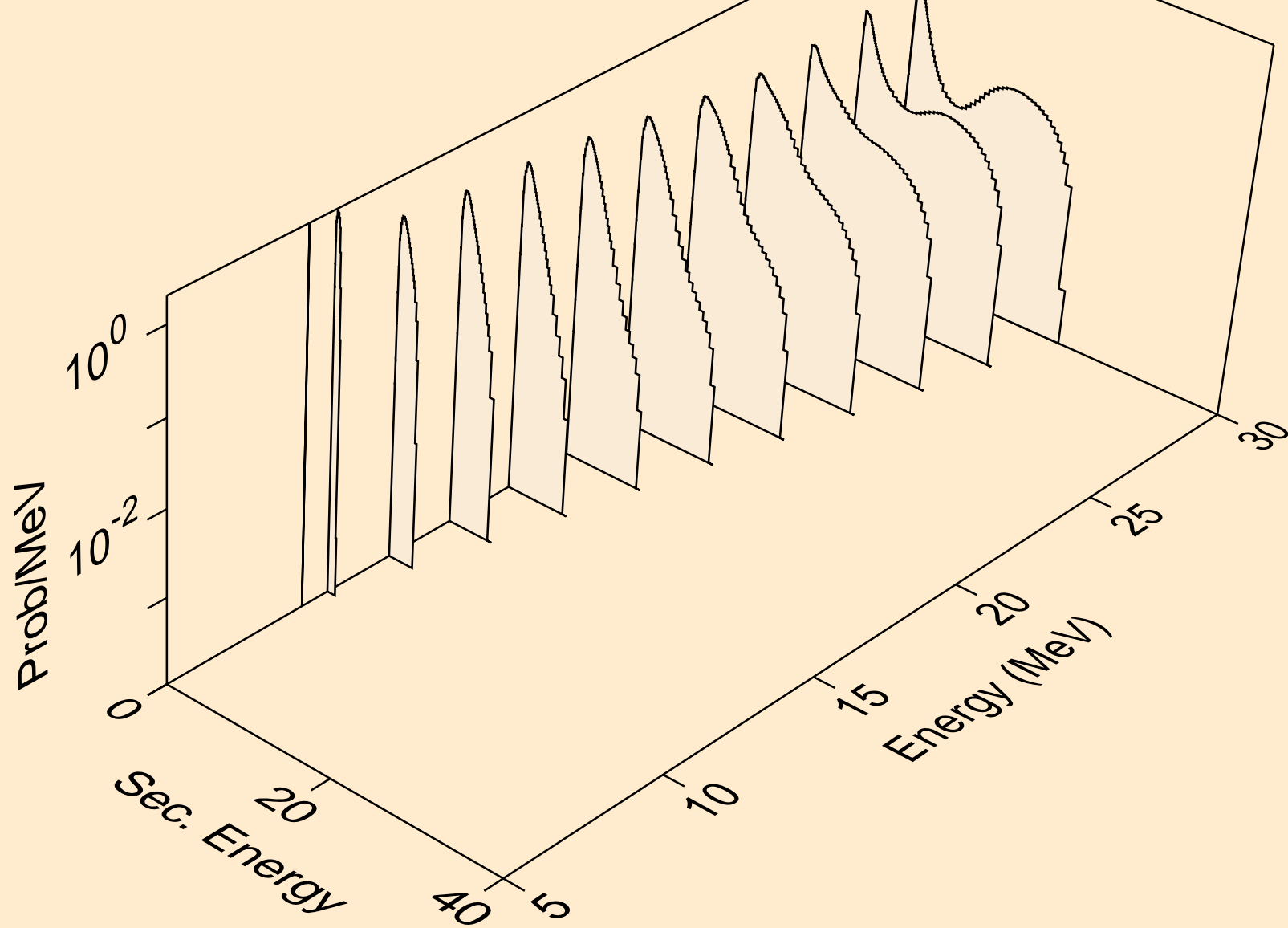


IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2nd)

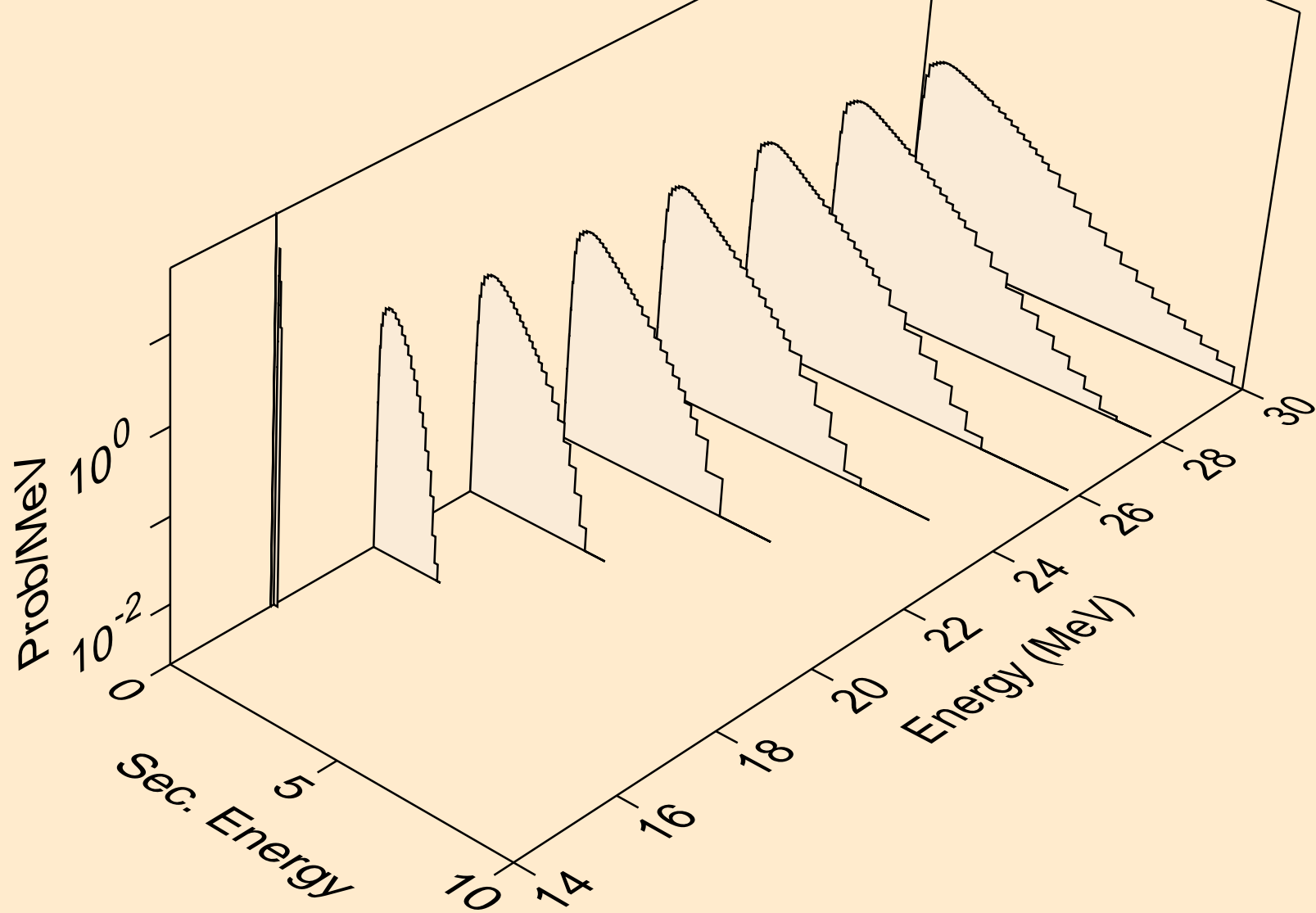




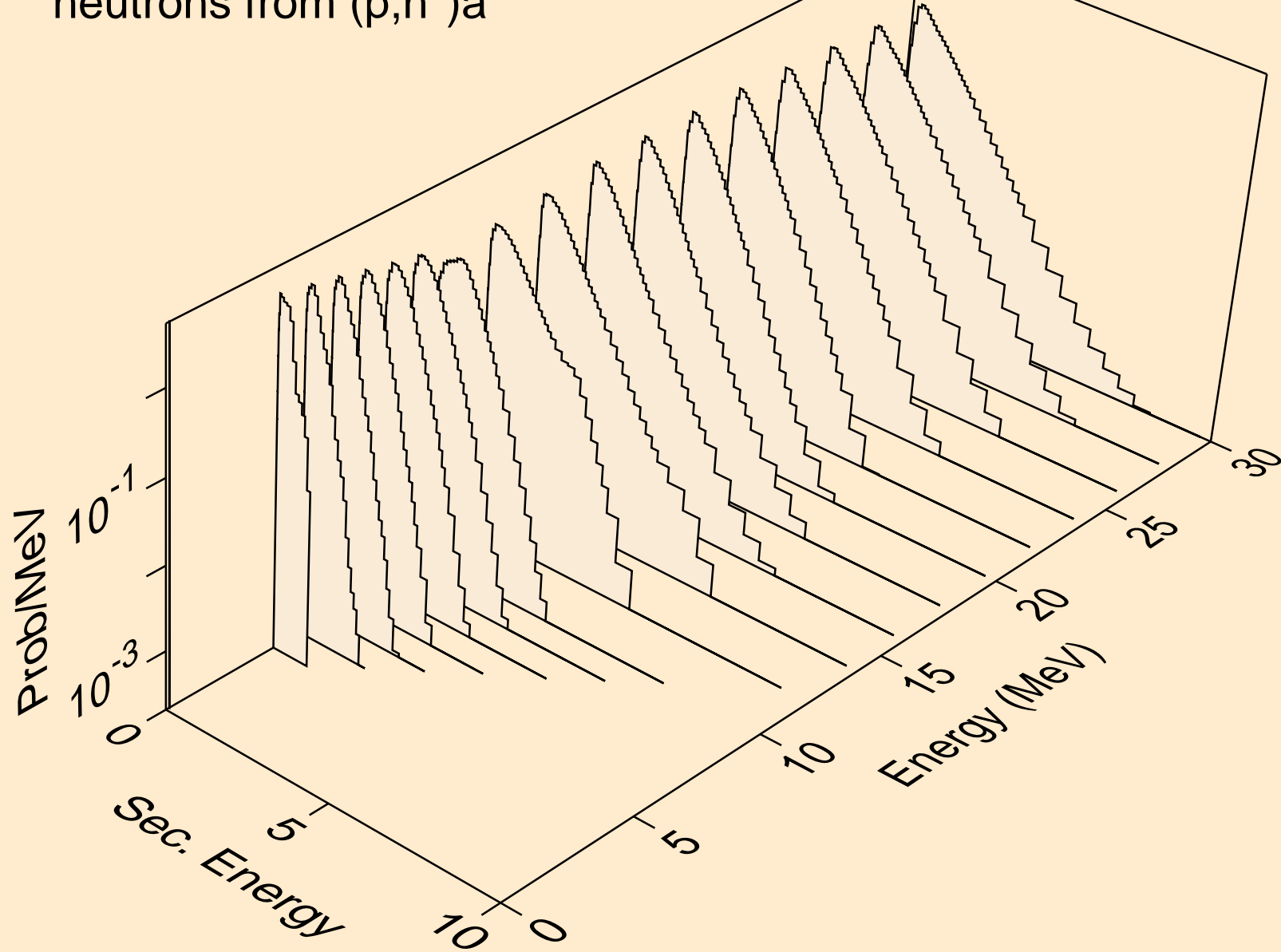
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)



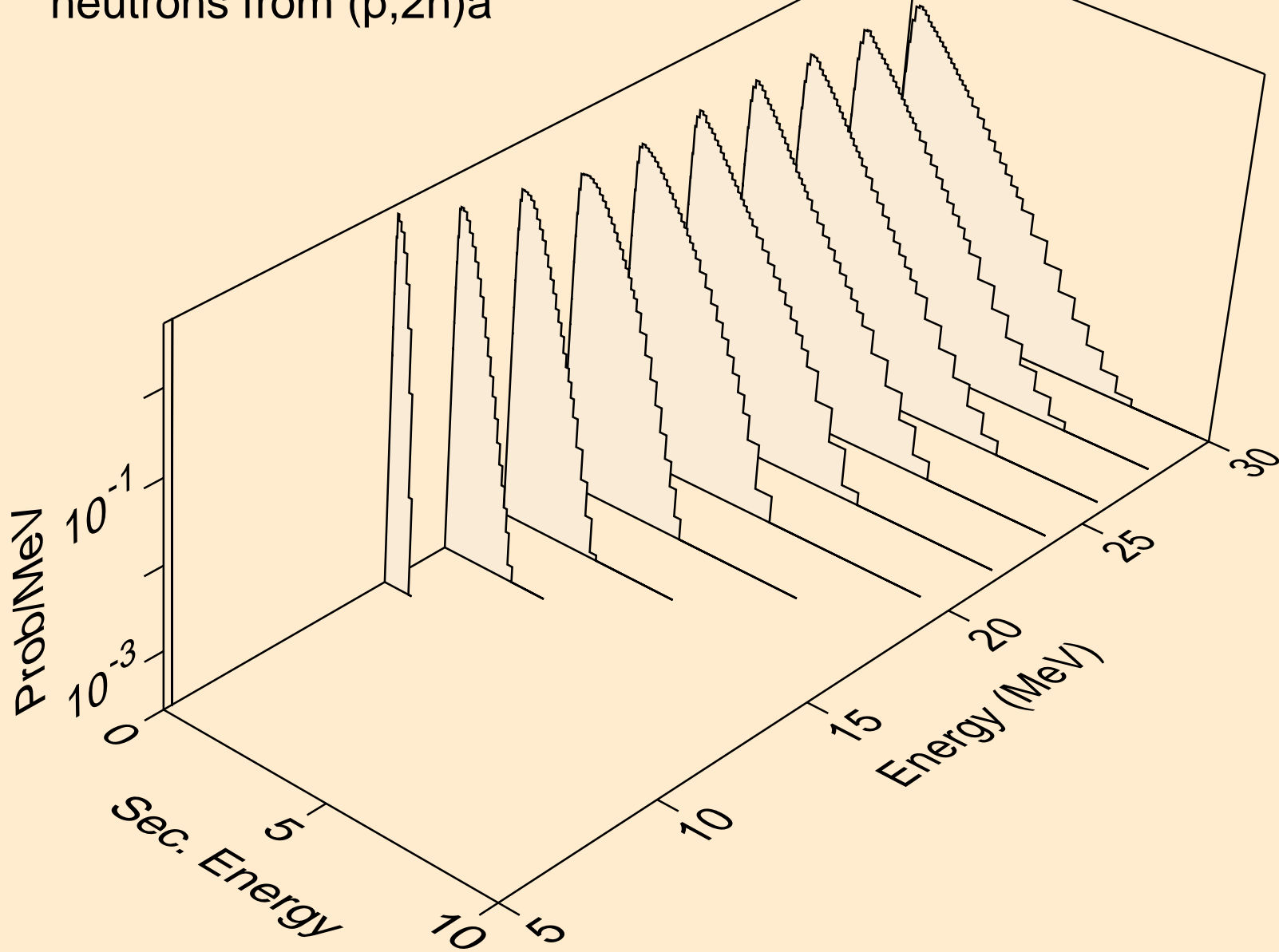
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neutrons from (p,3n)



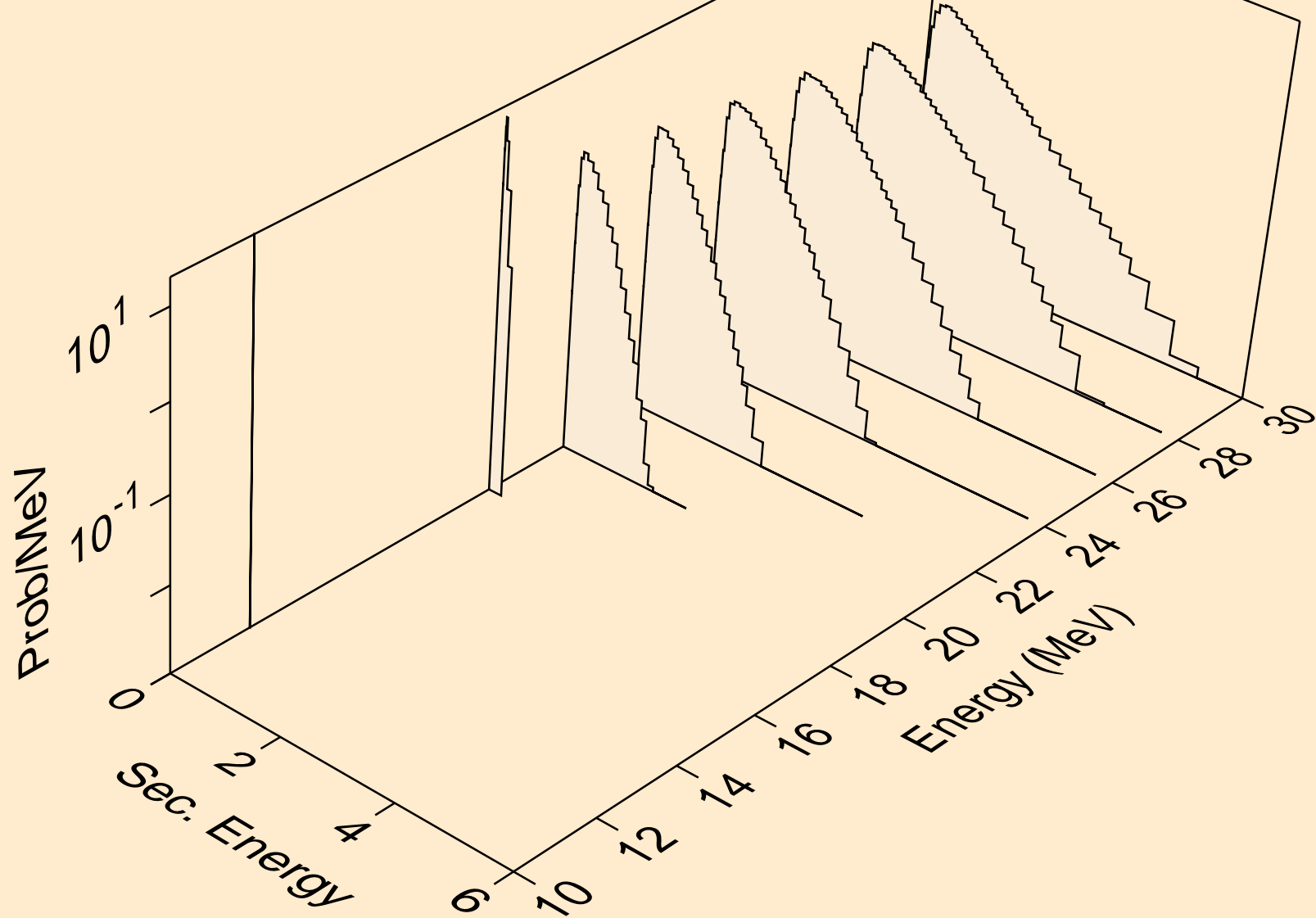
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a



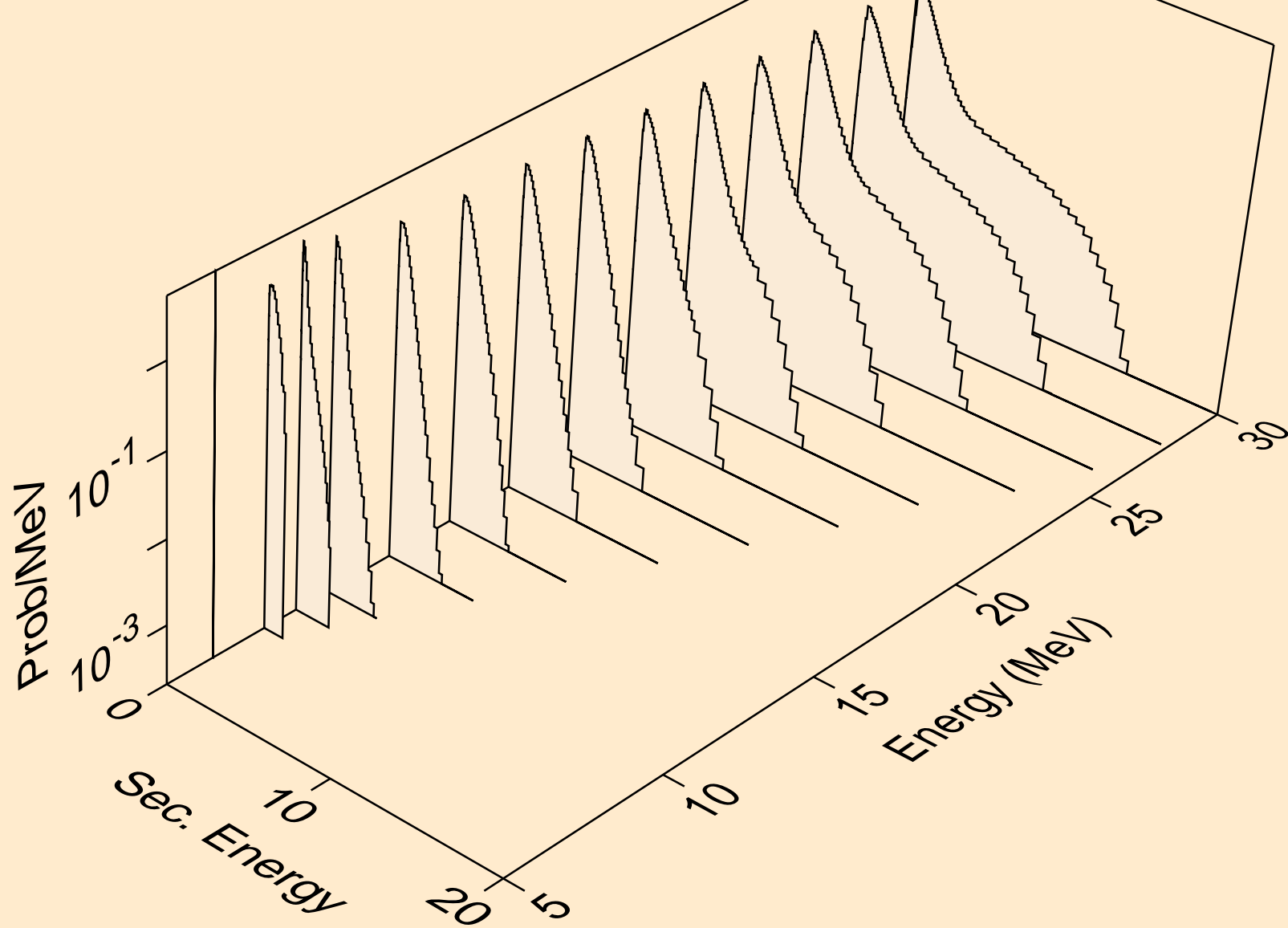
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)a



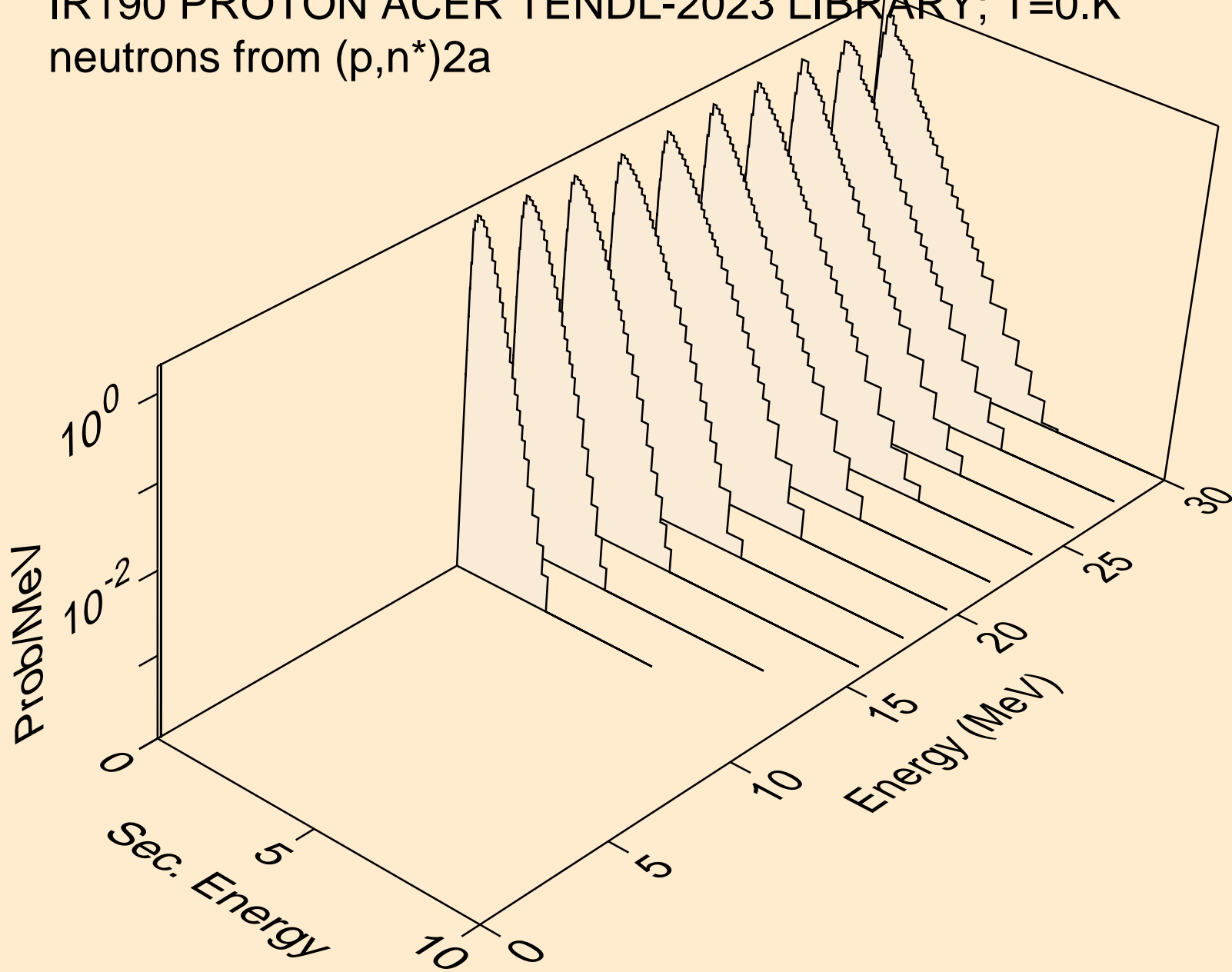
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neutrons from (p,3n)a



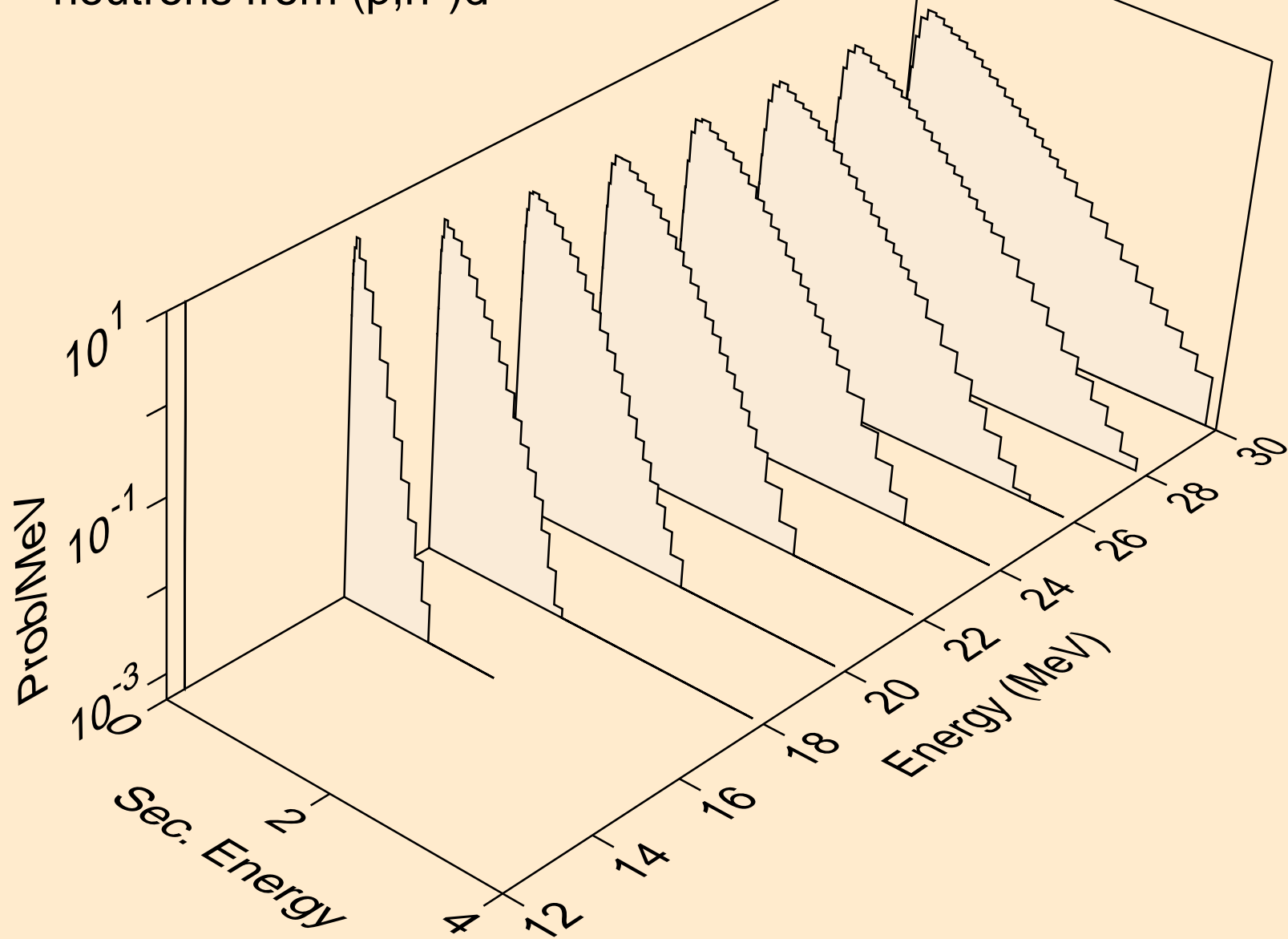
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)p



IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)2a

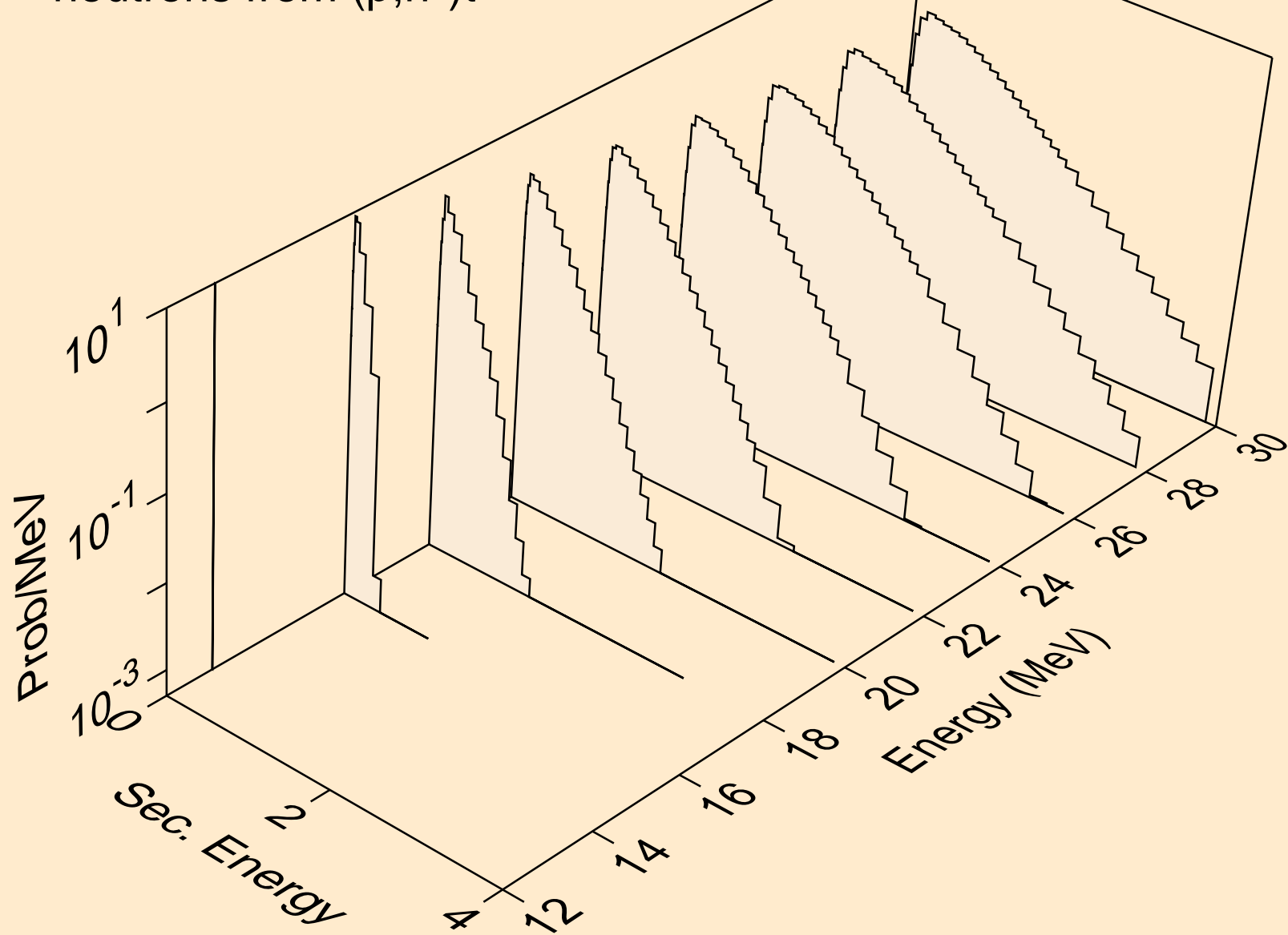


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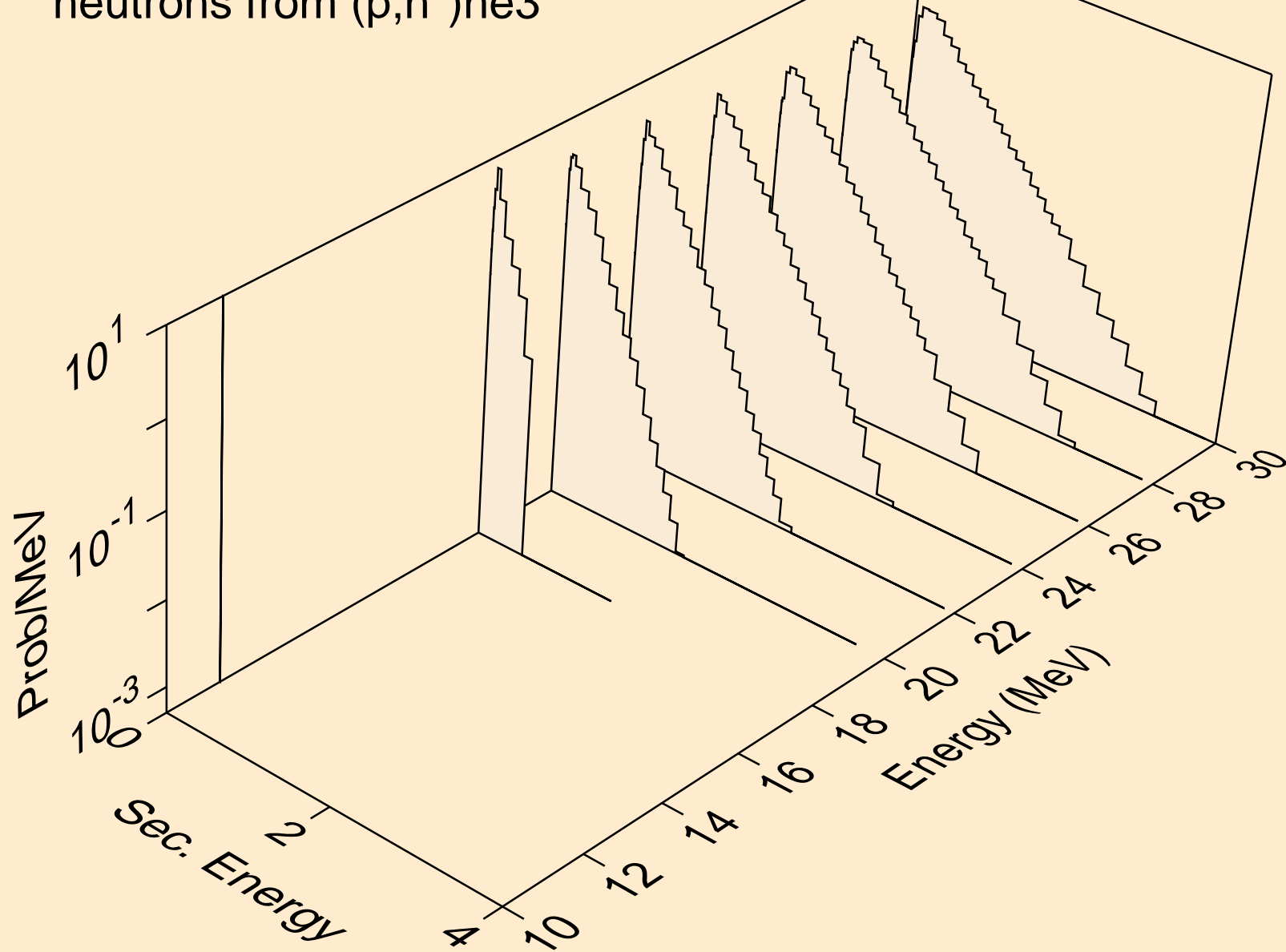




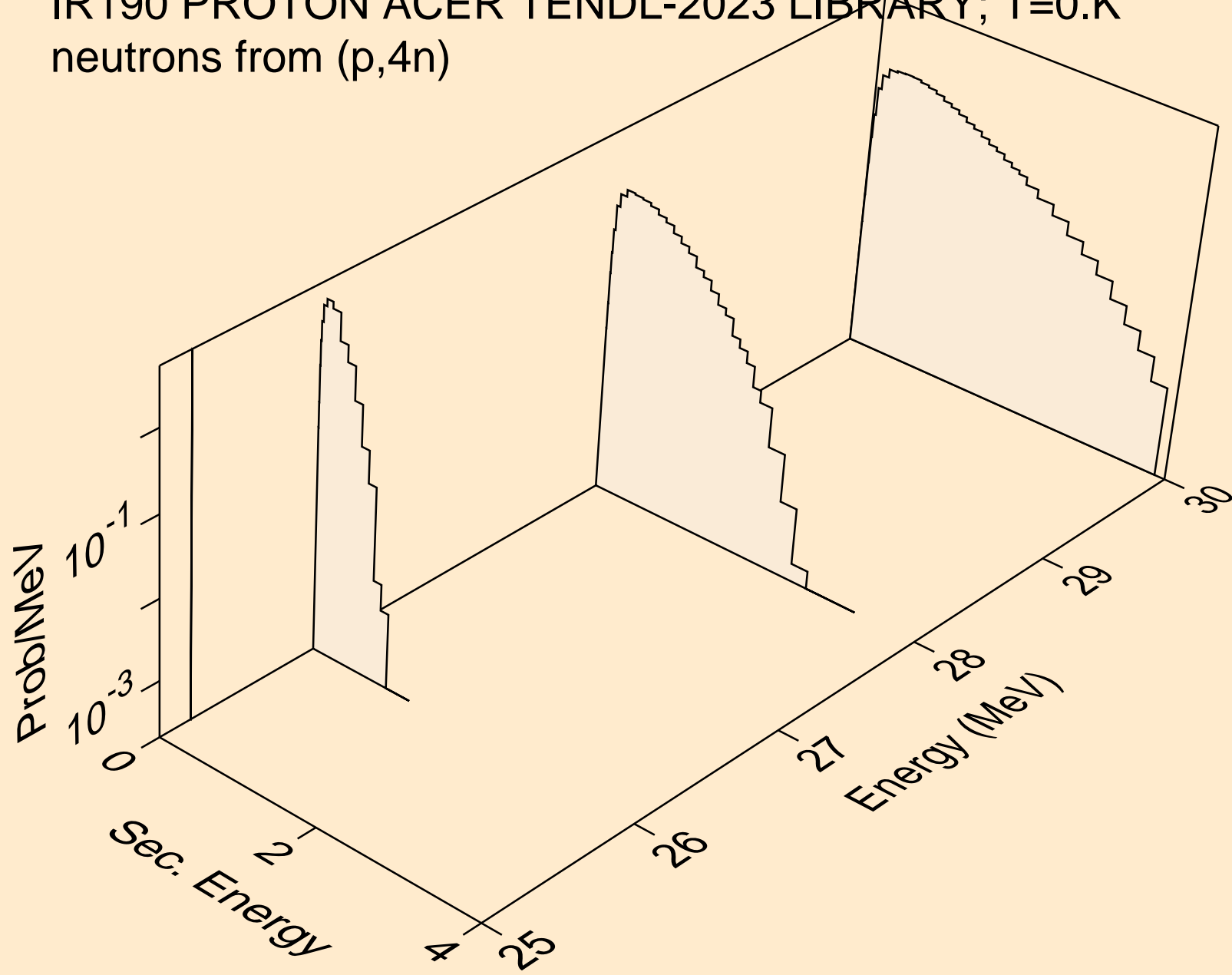
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)t



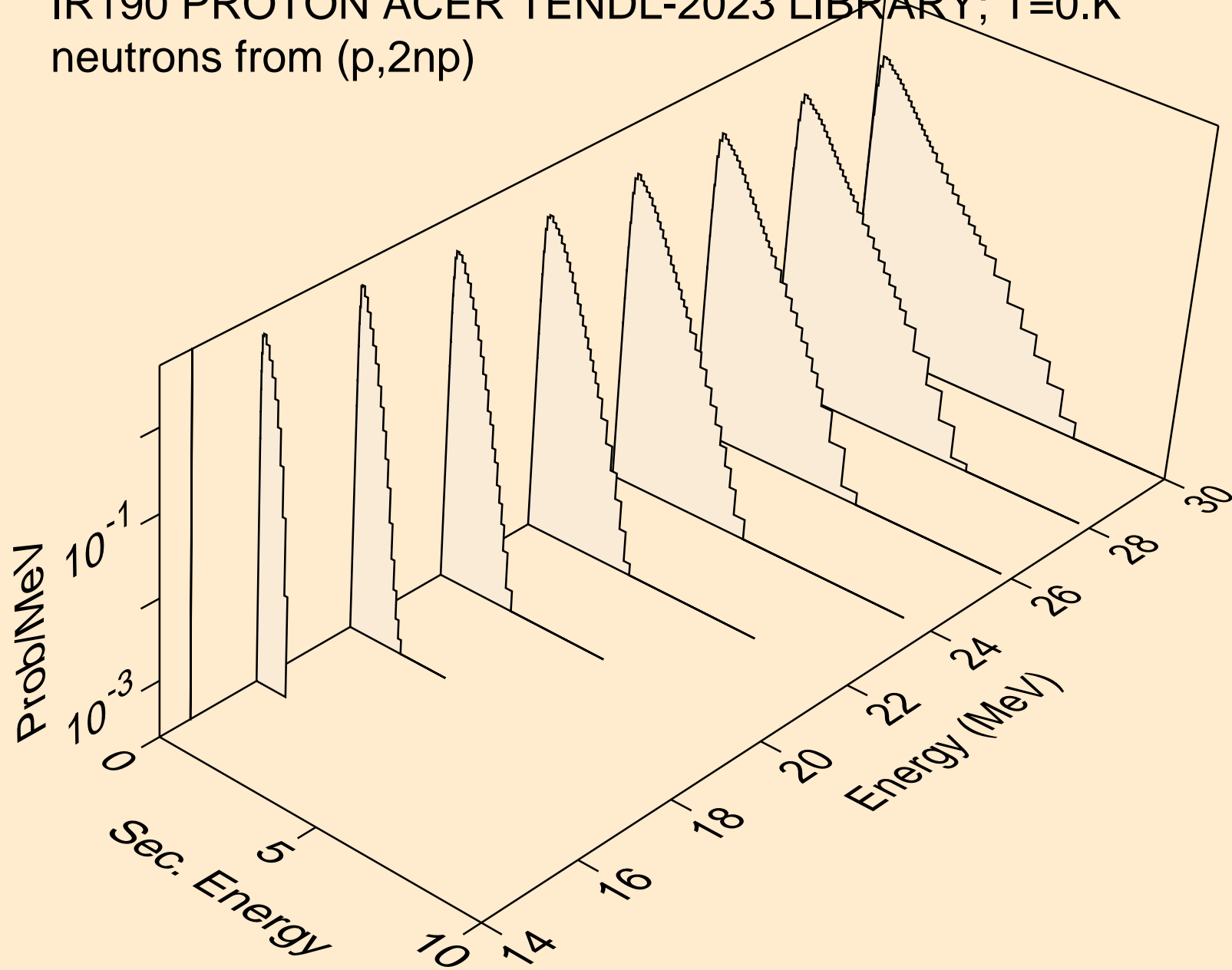
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



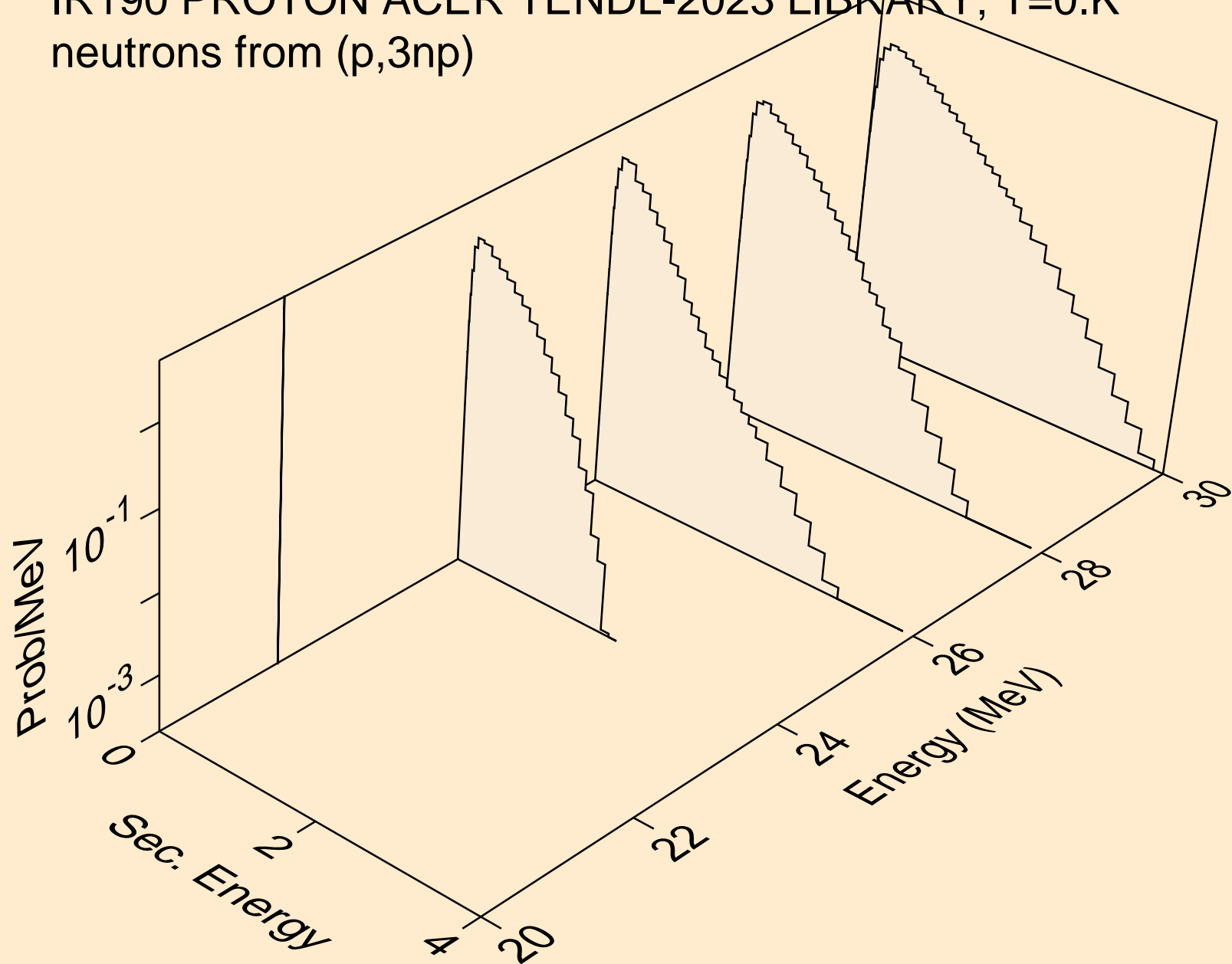
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,4n)



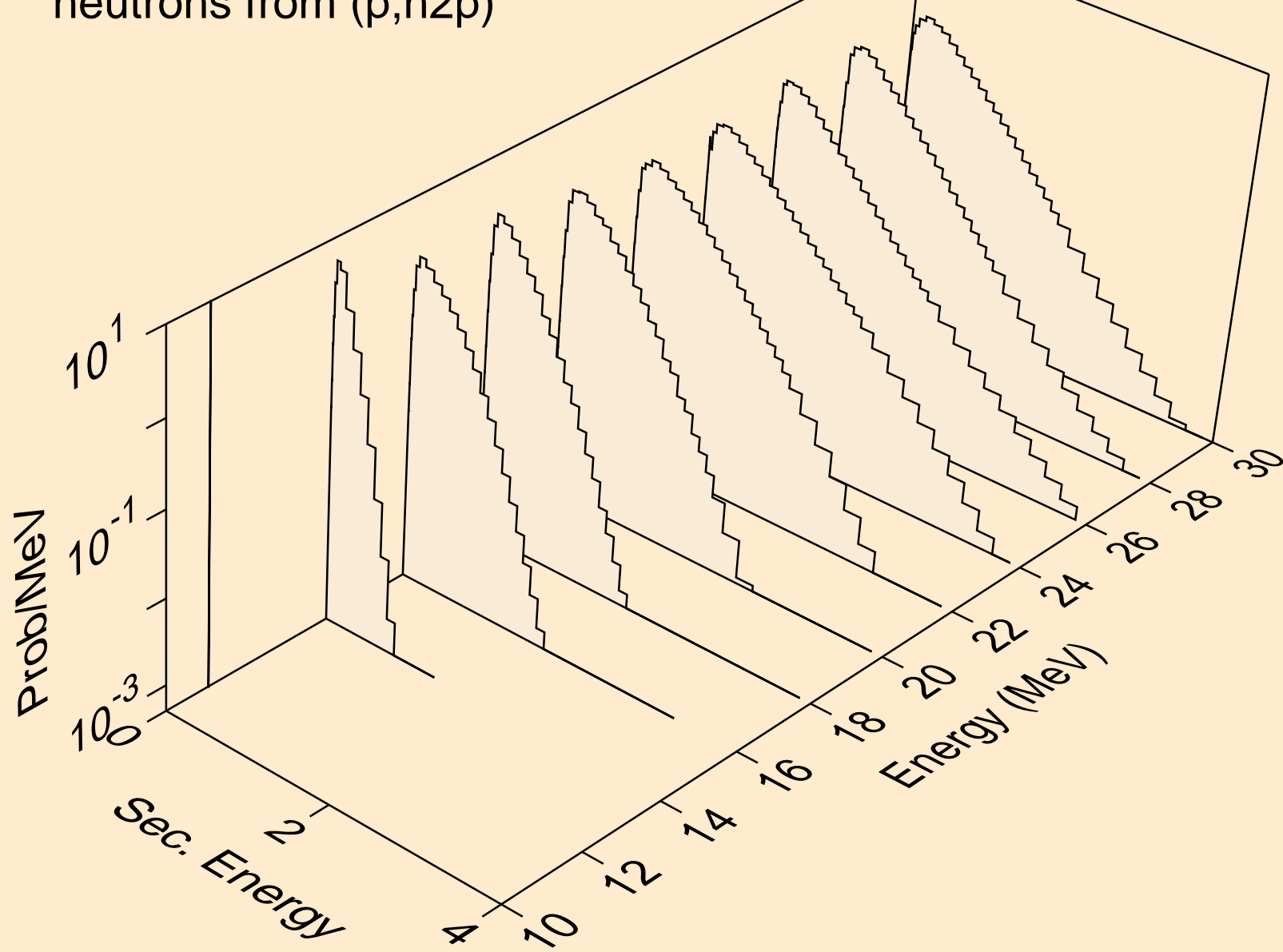
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2np)



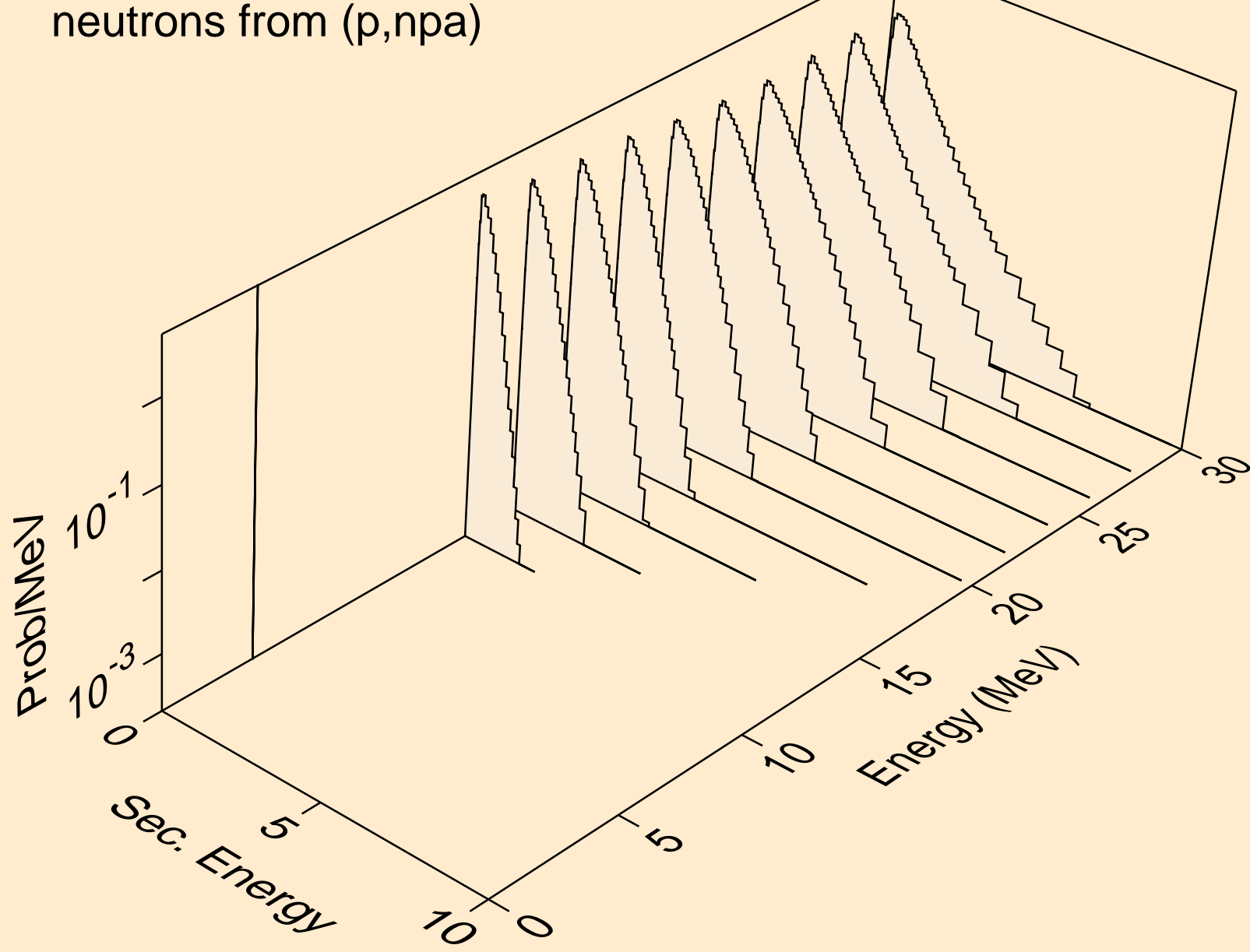
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3np)



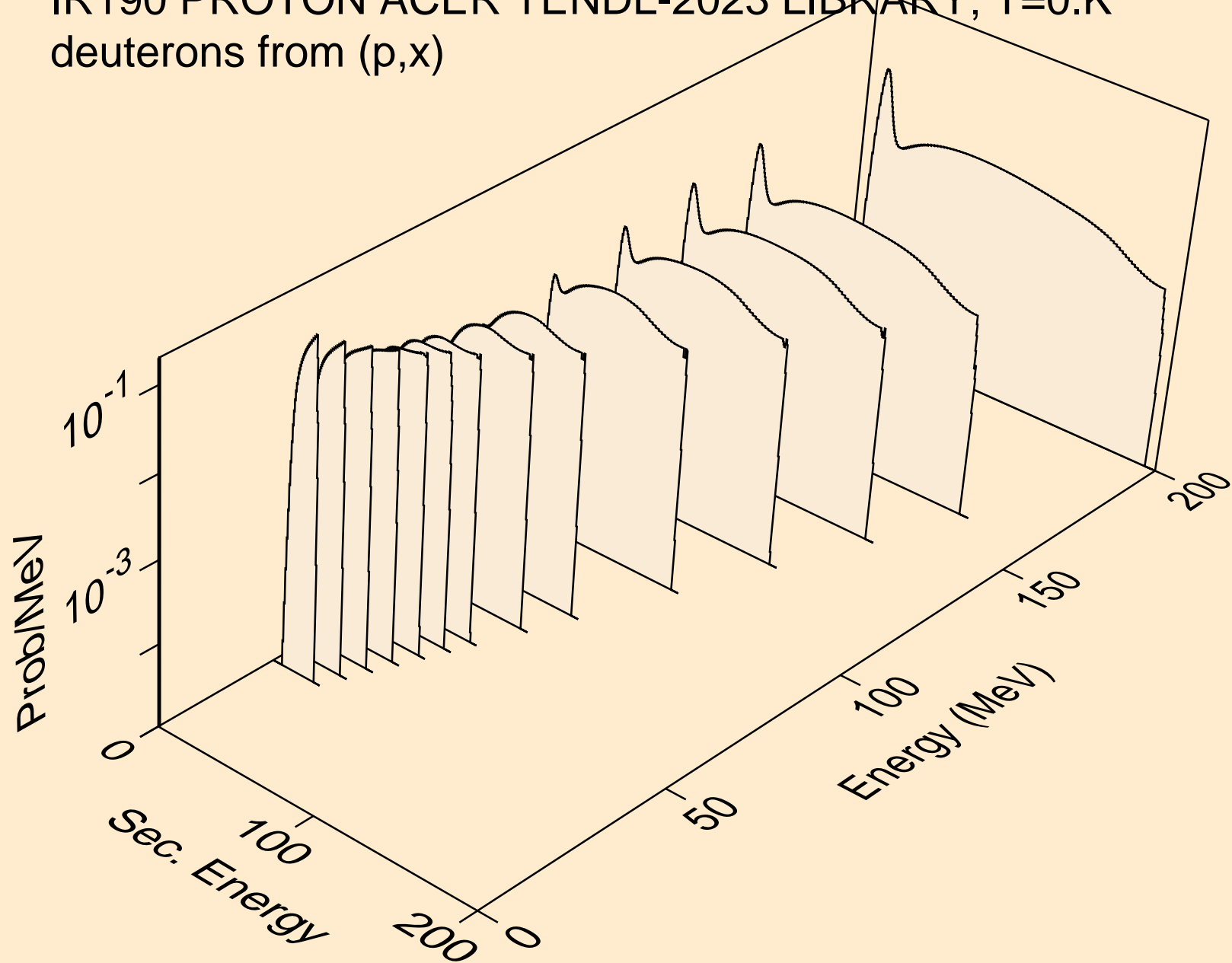
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n2p)



IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,npa)

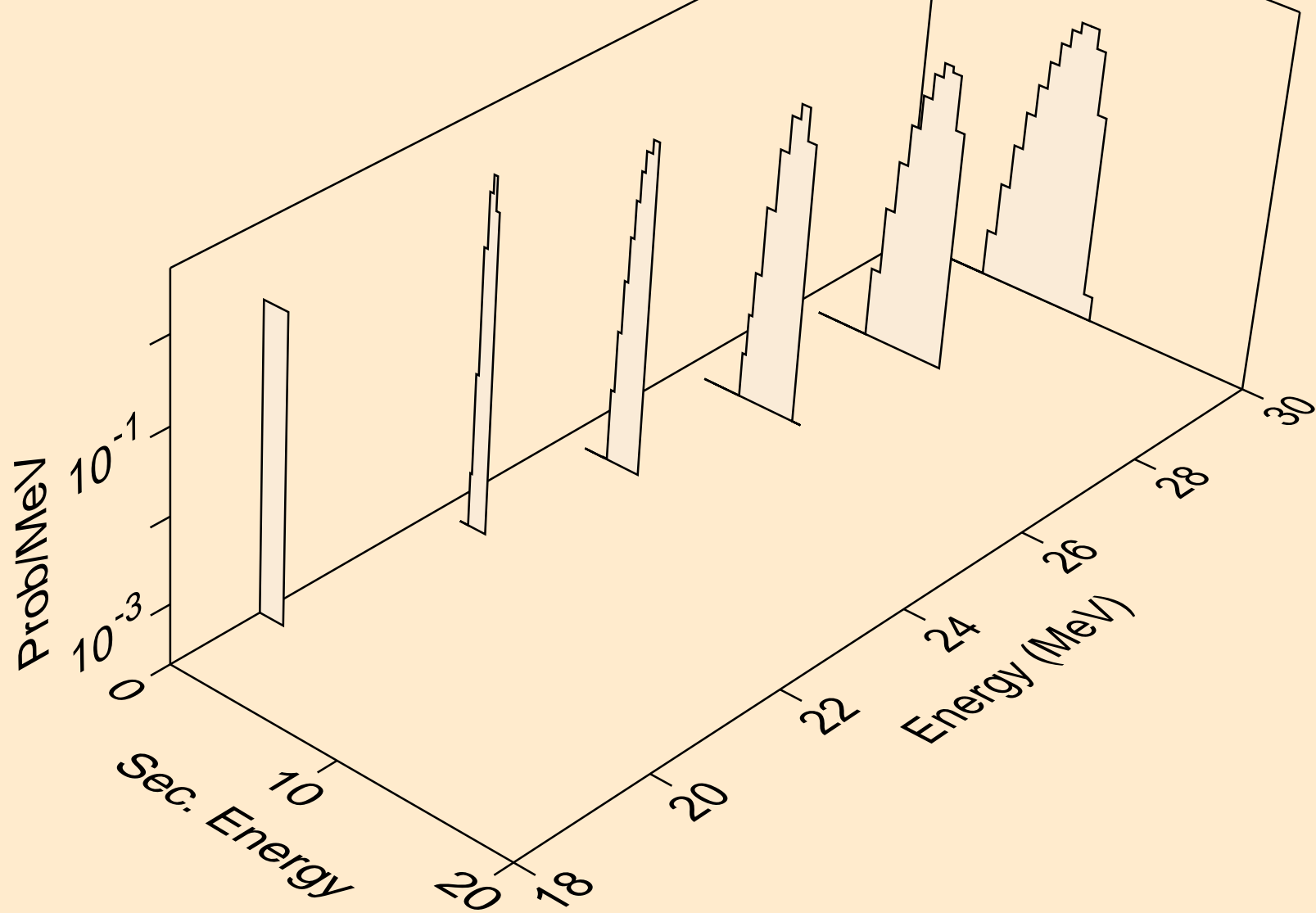


IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,x)

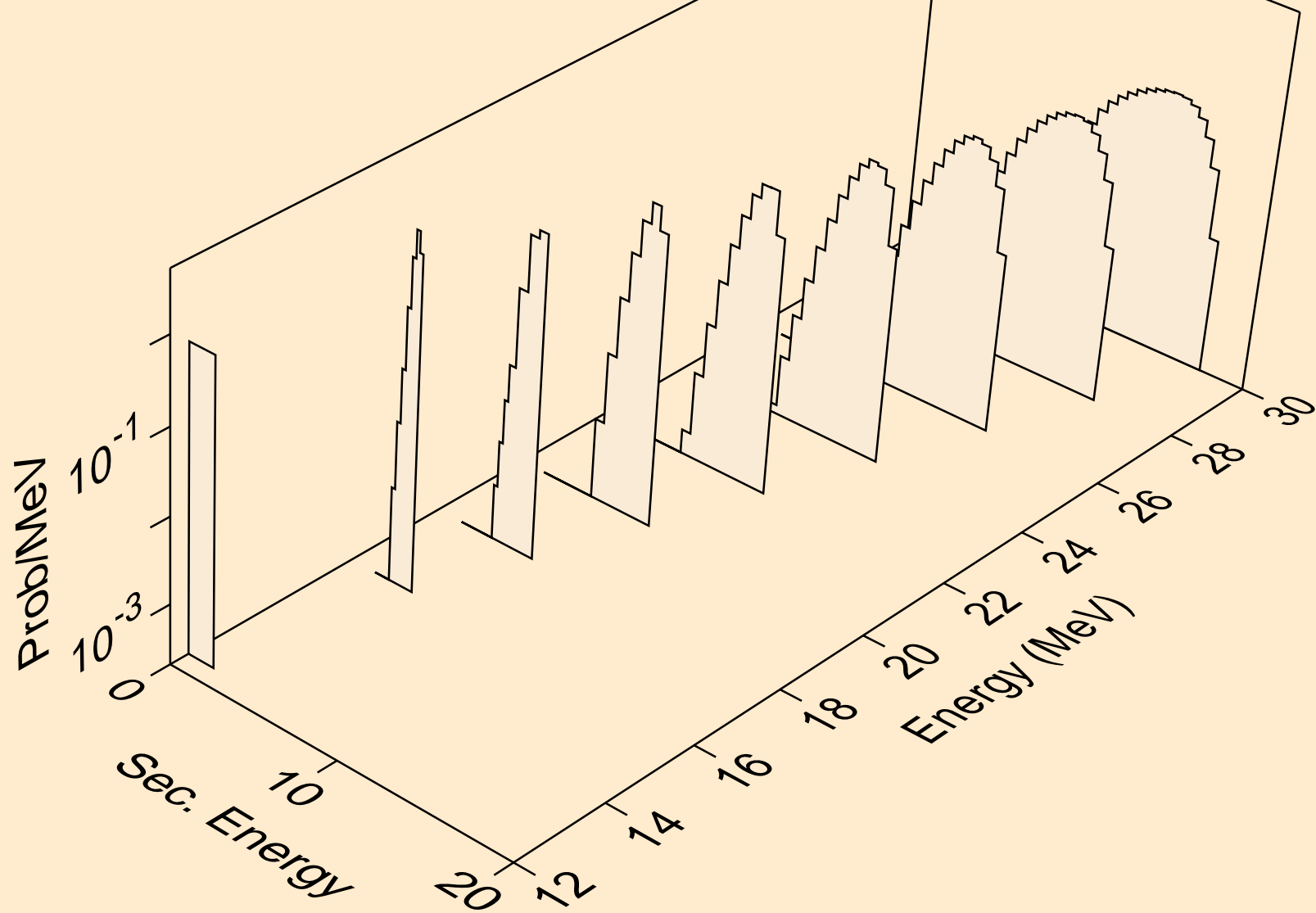




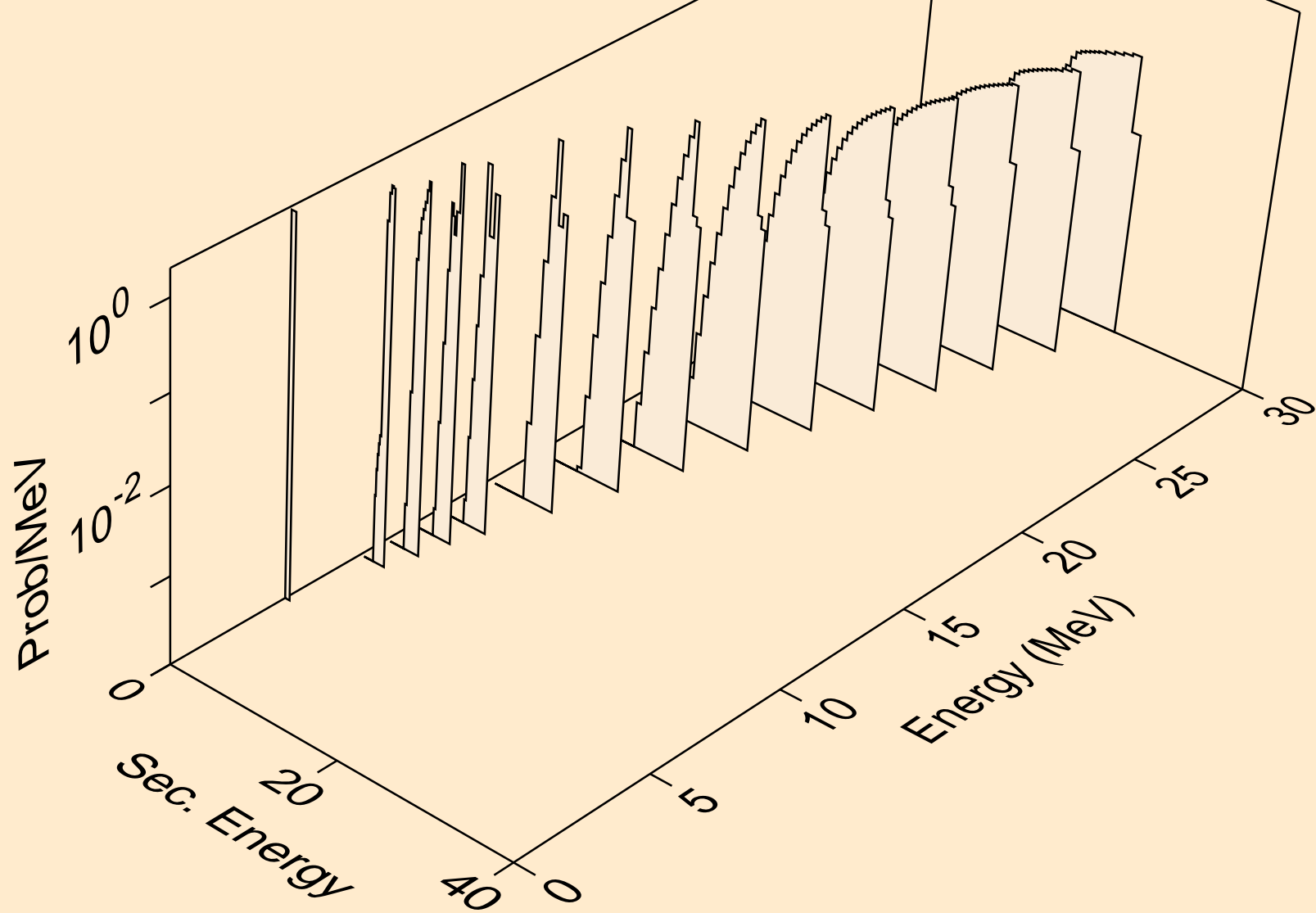
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,2nd)



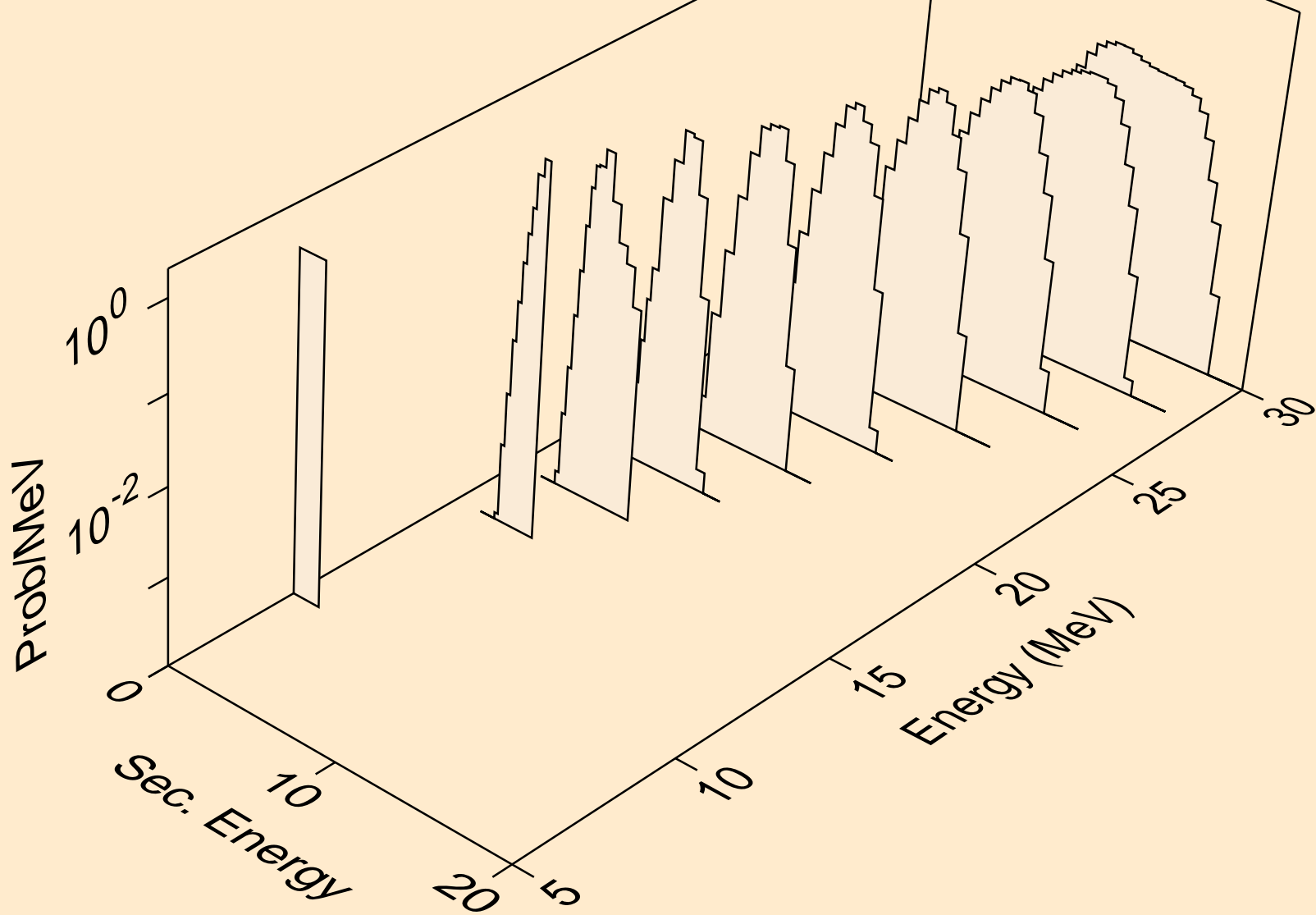
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,n\*)d



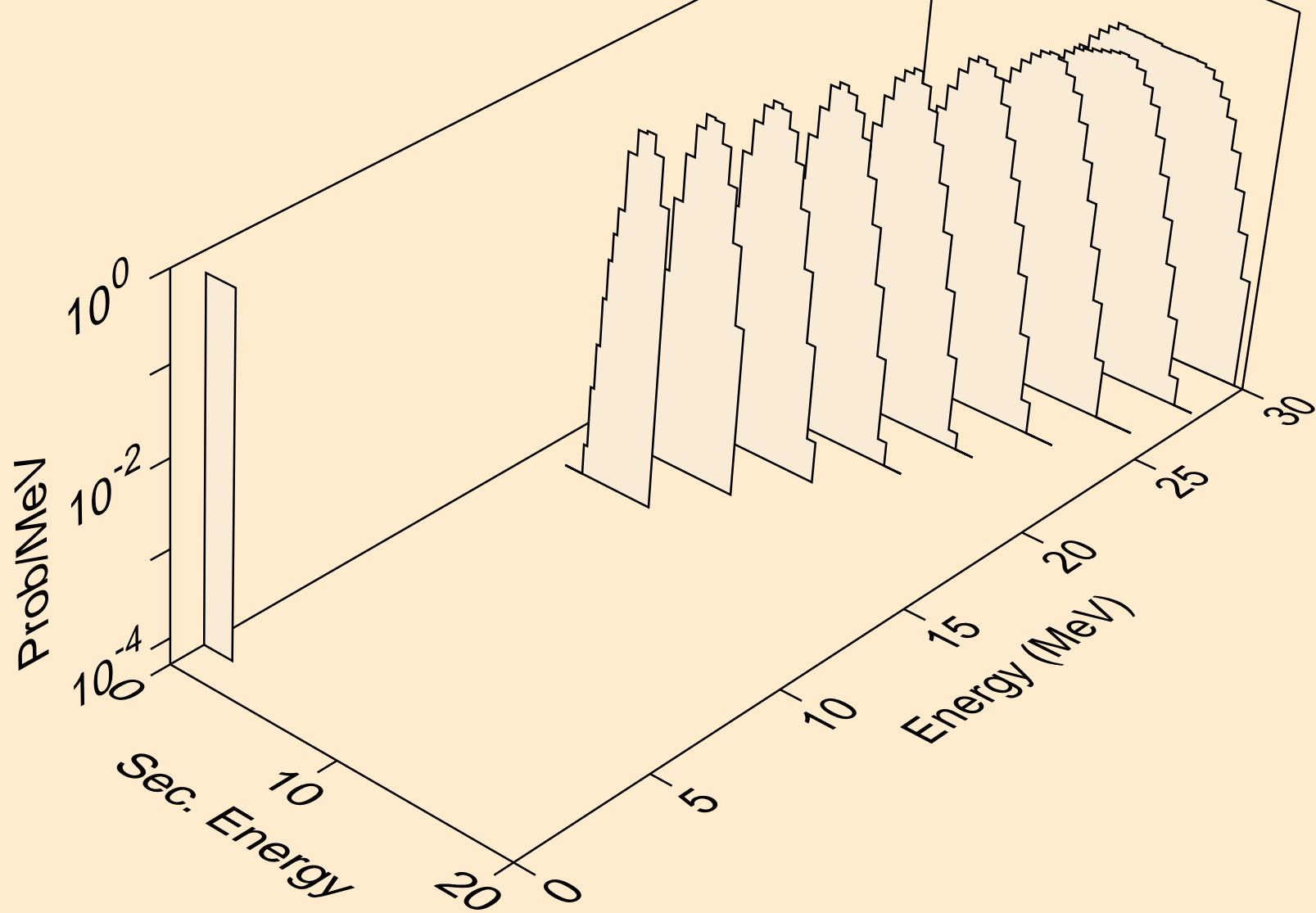
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,d)



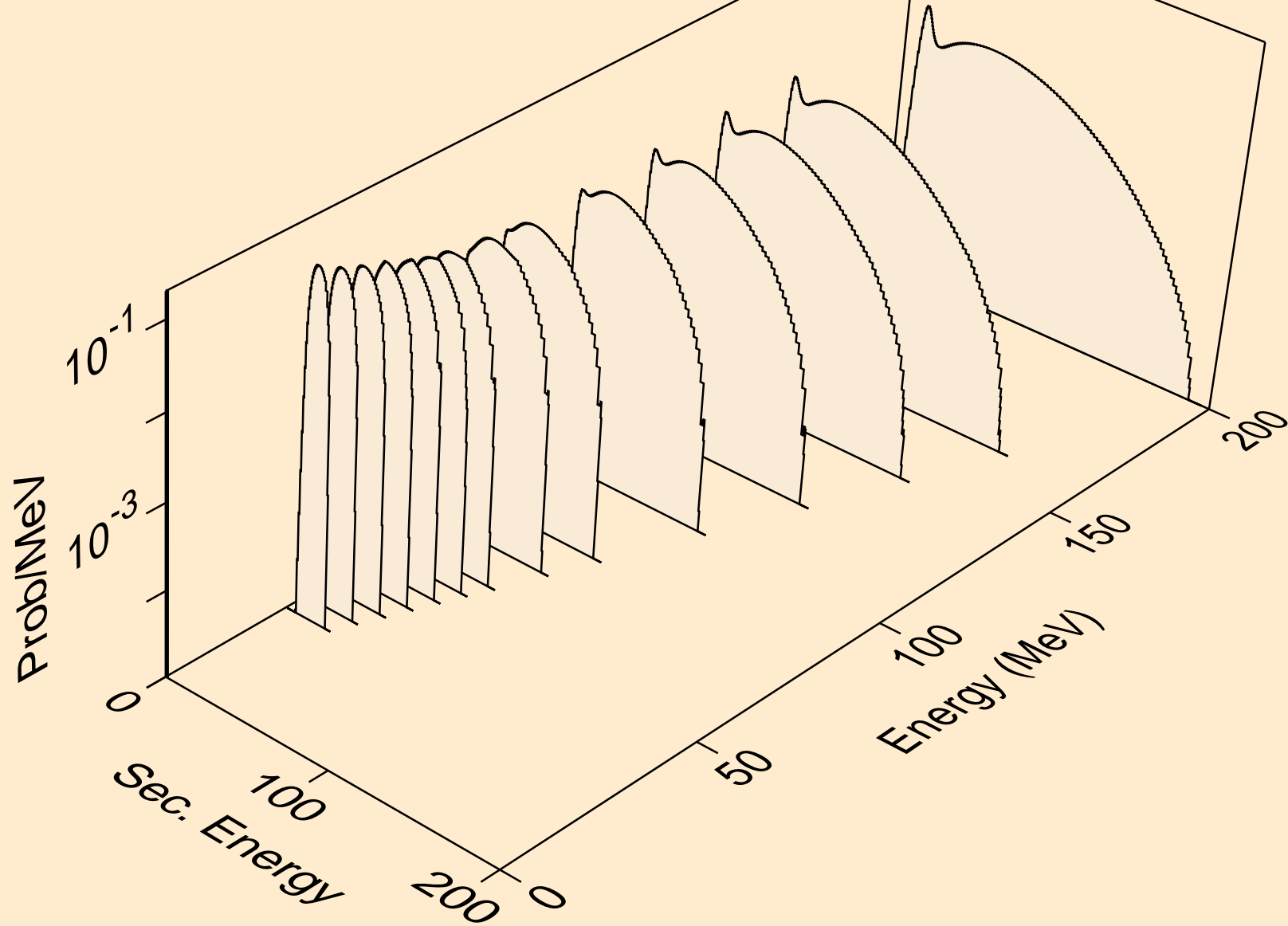
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,pd)



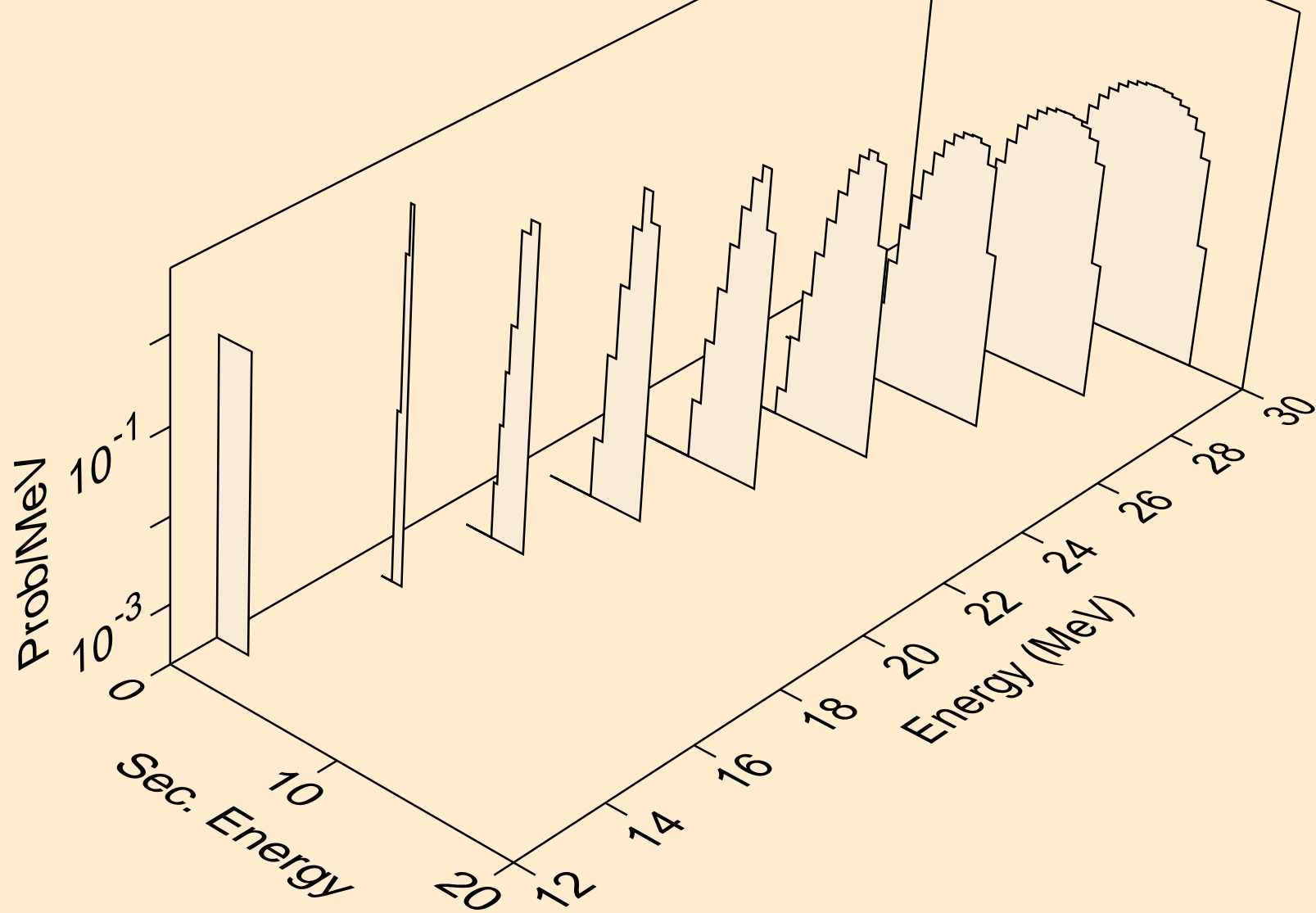
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,da)



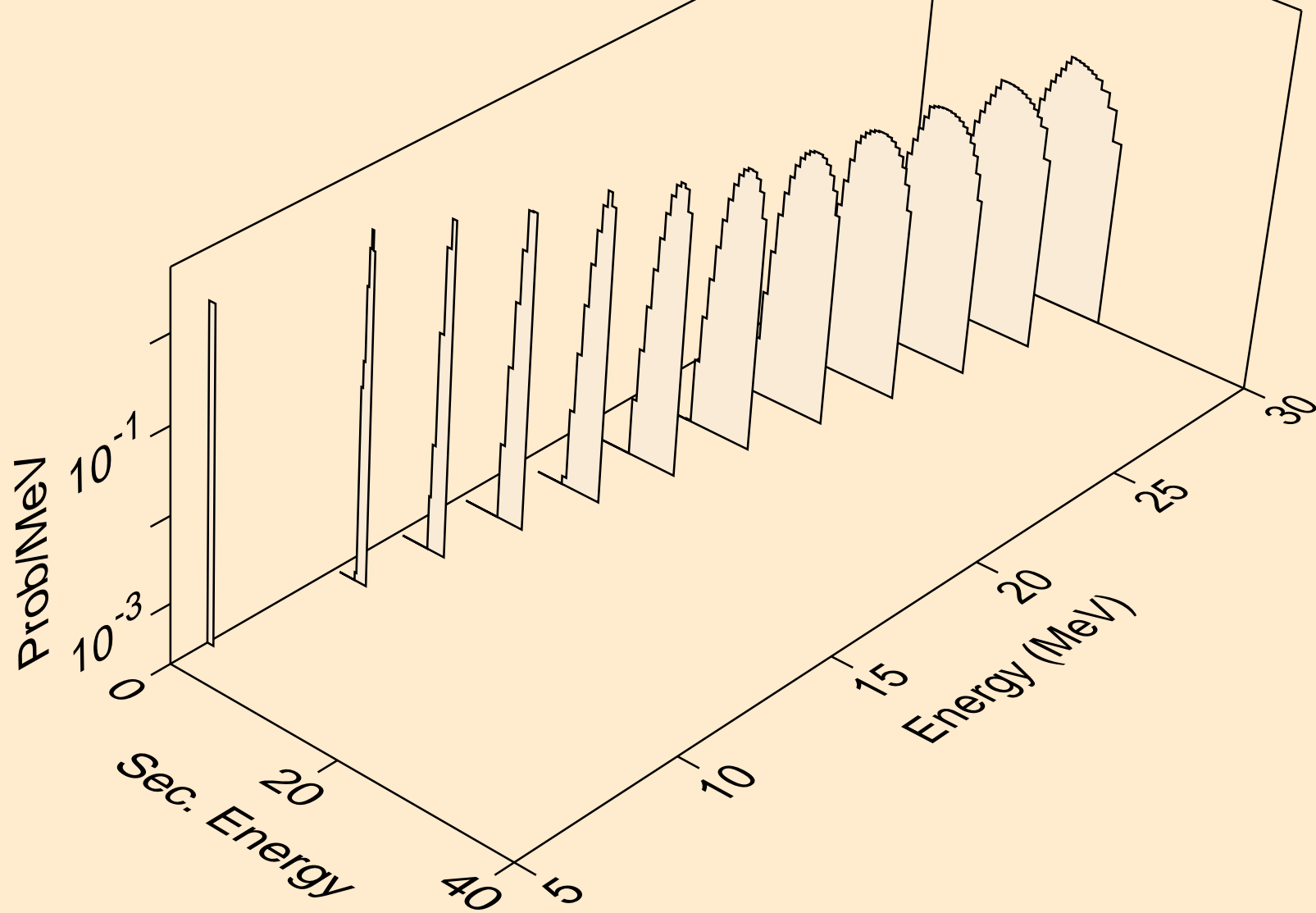
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)



IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,n\*)t

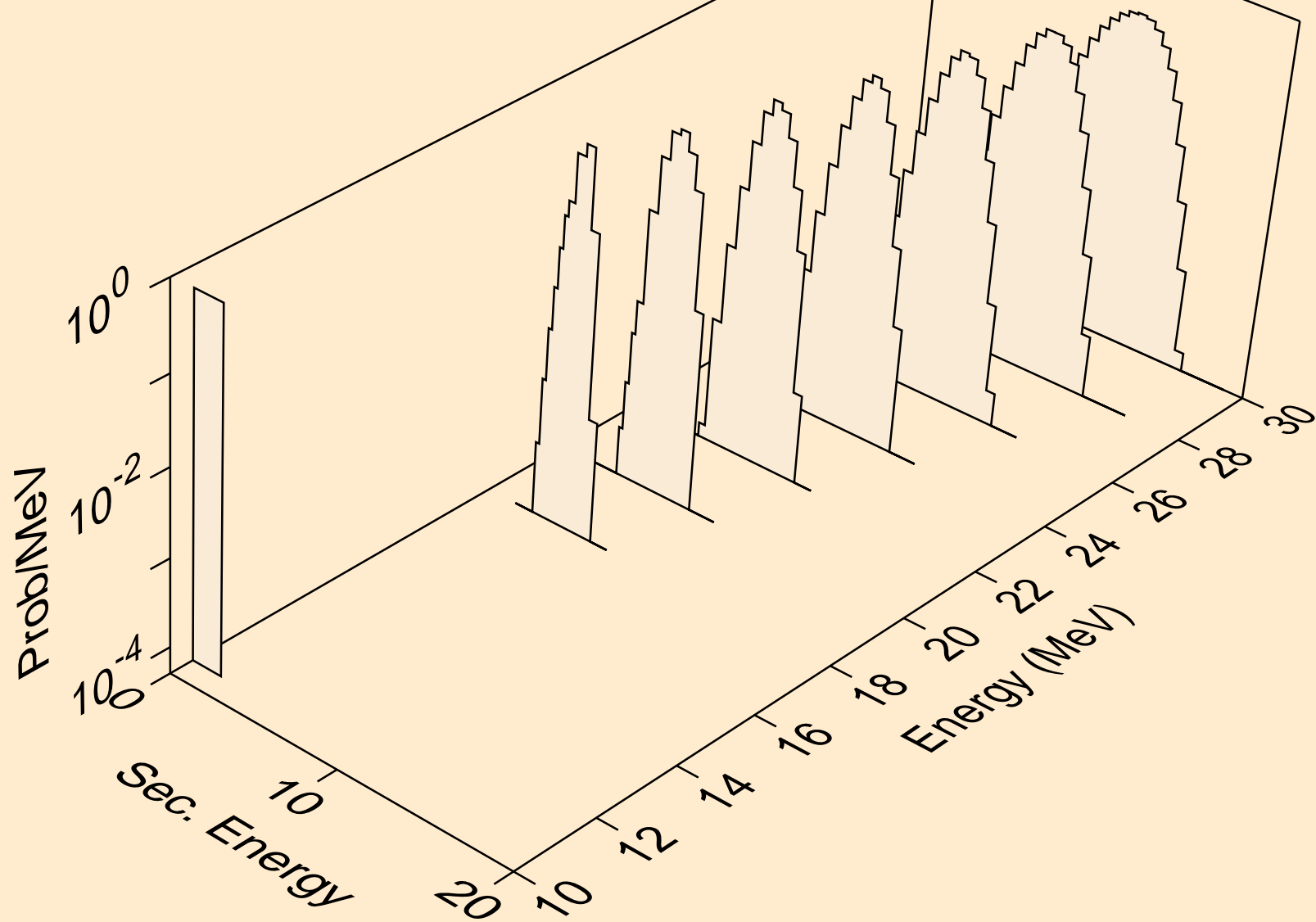


IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,t)

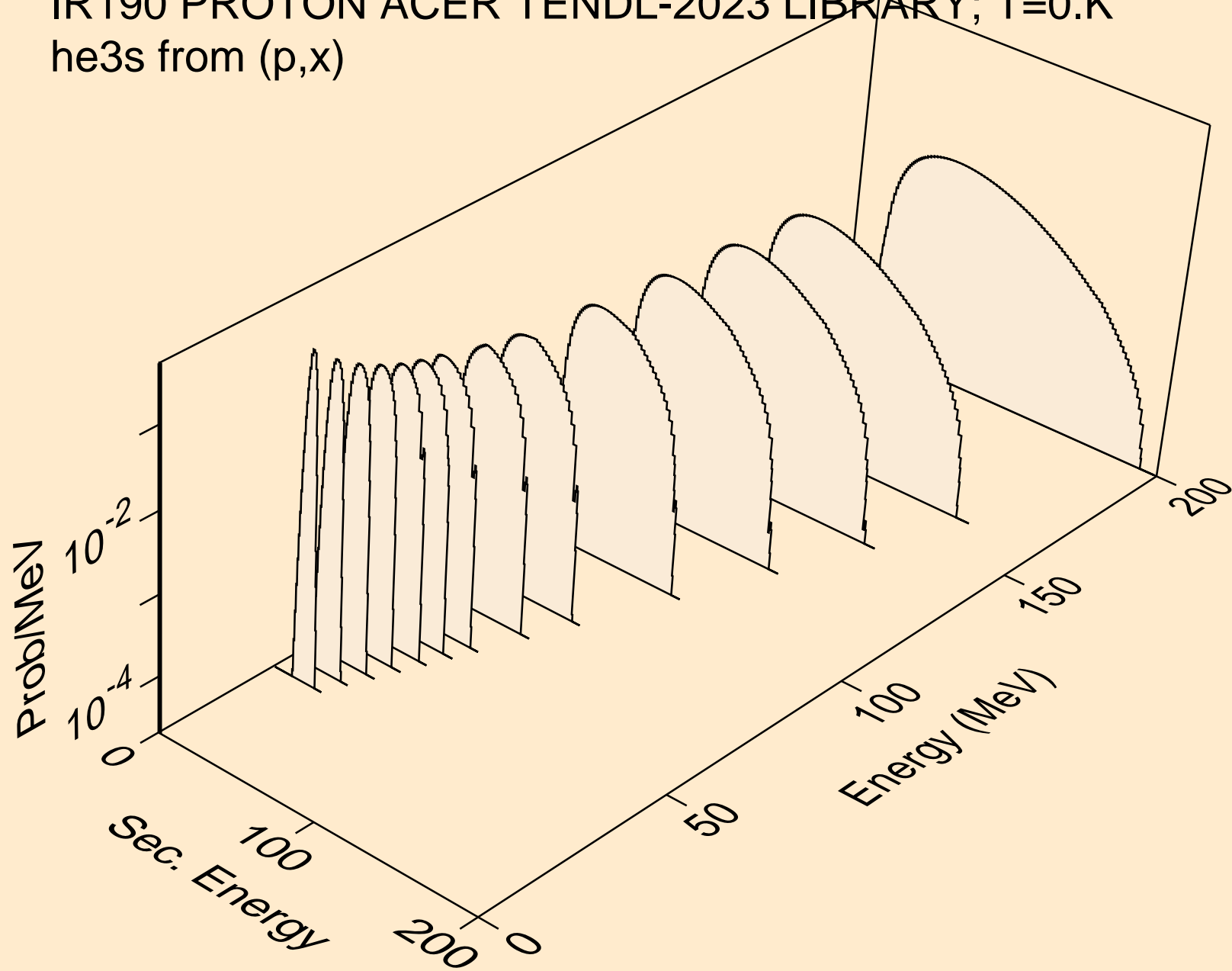




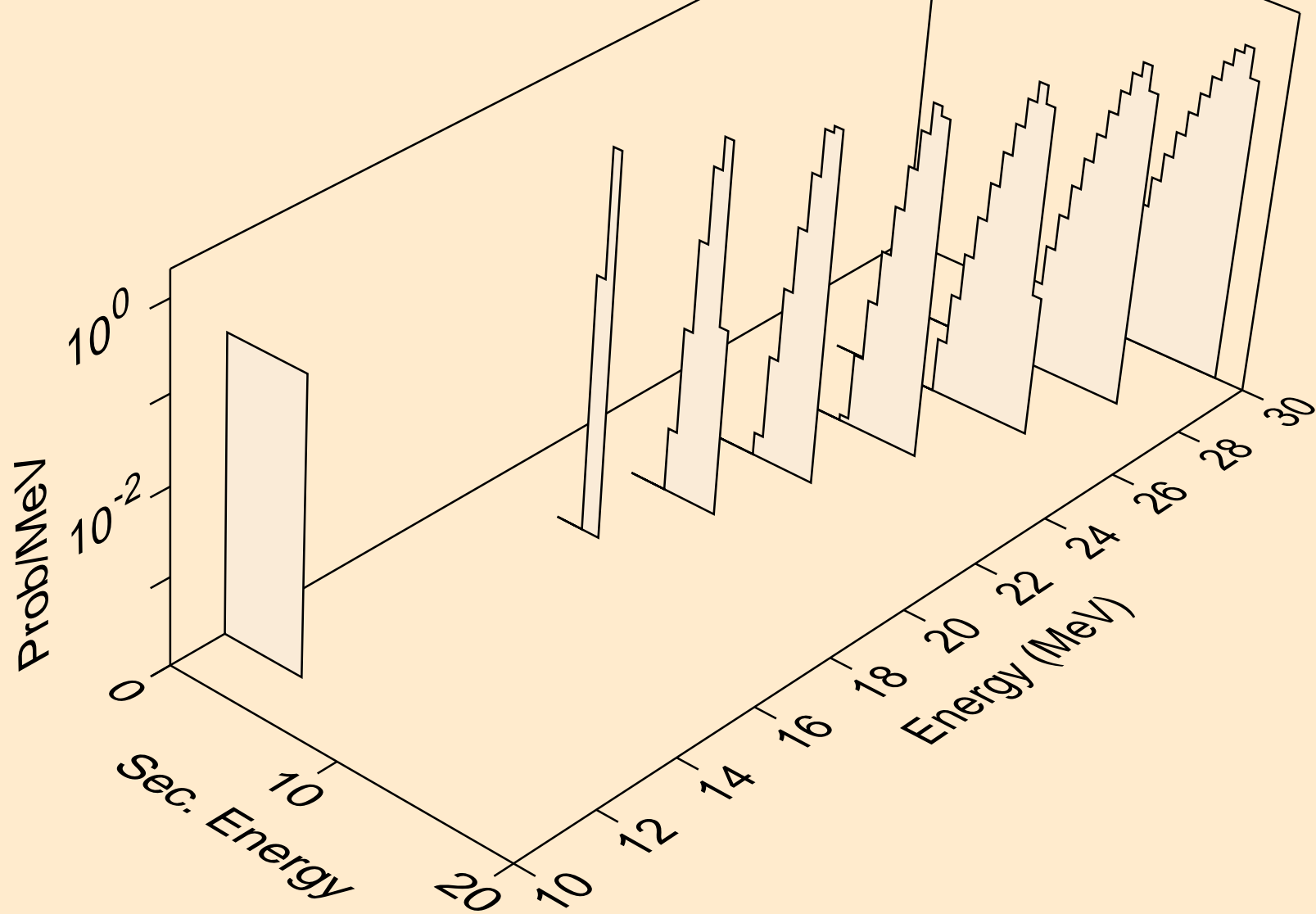
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,pt)



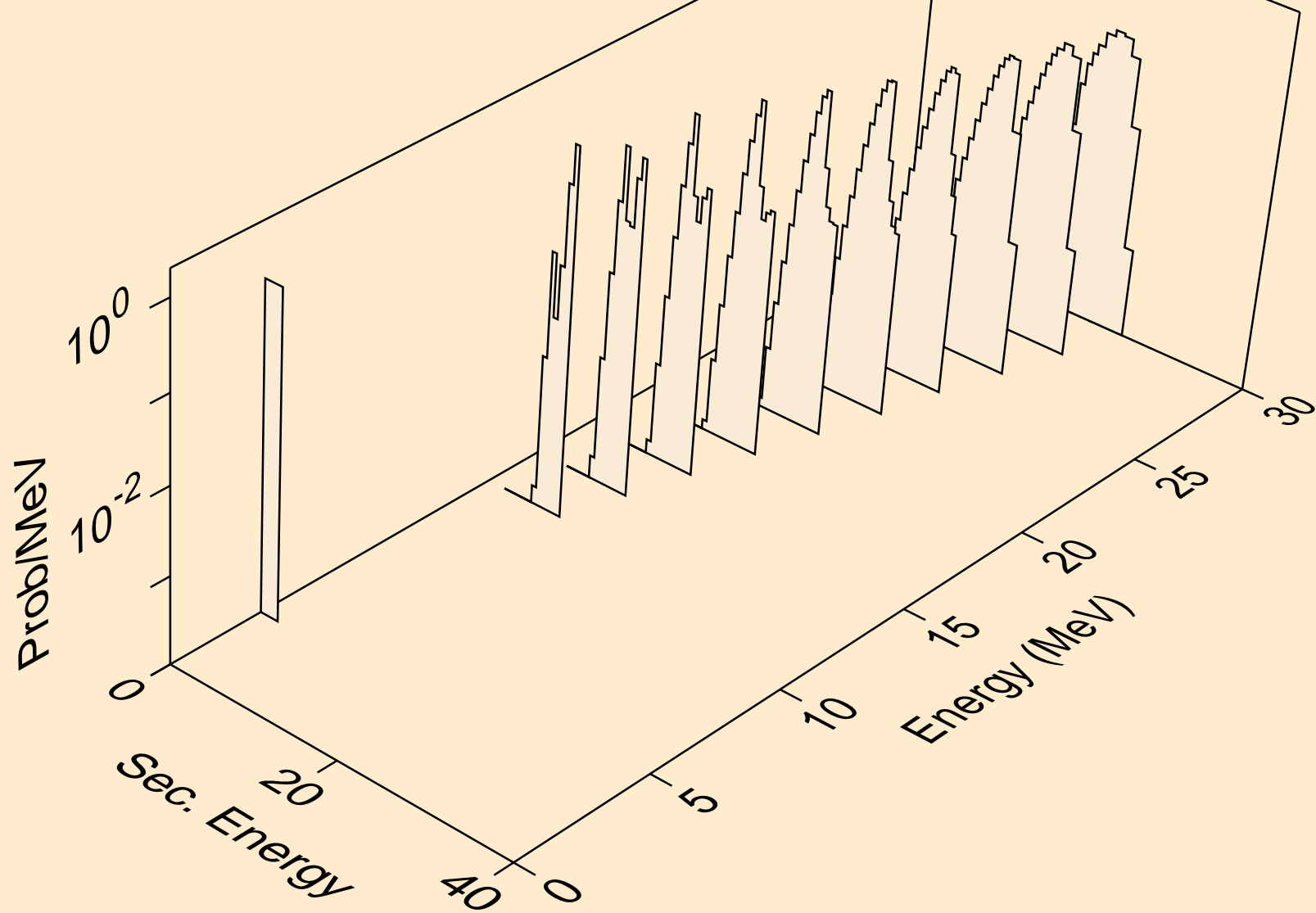
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)



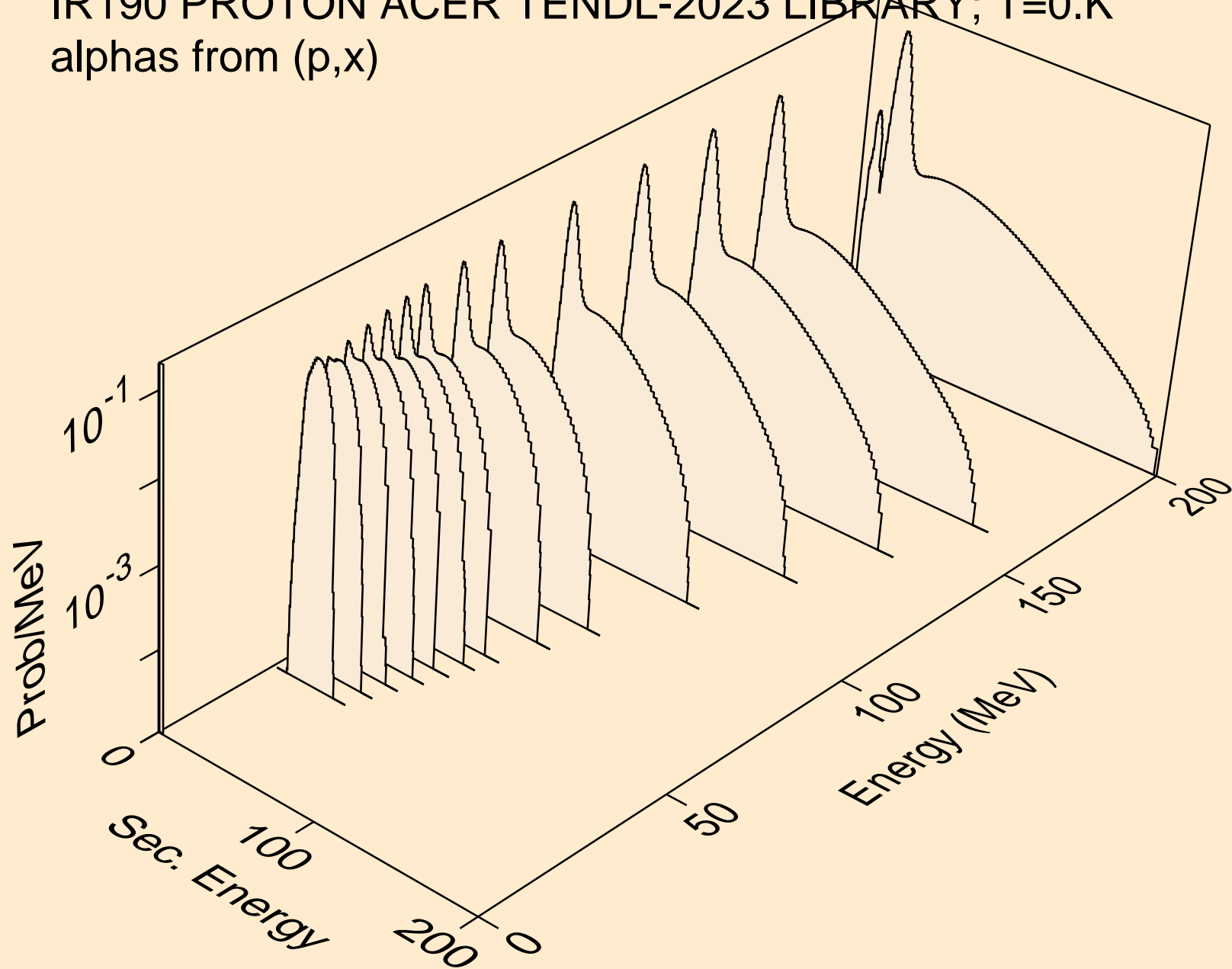
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3



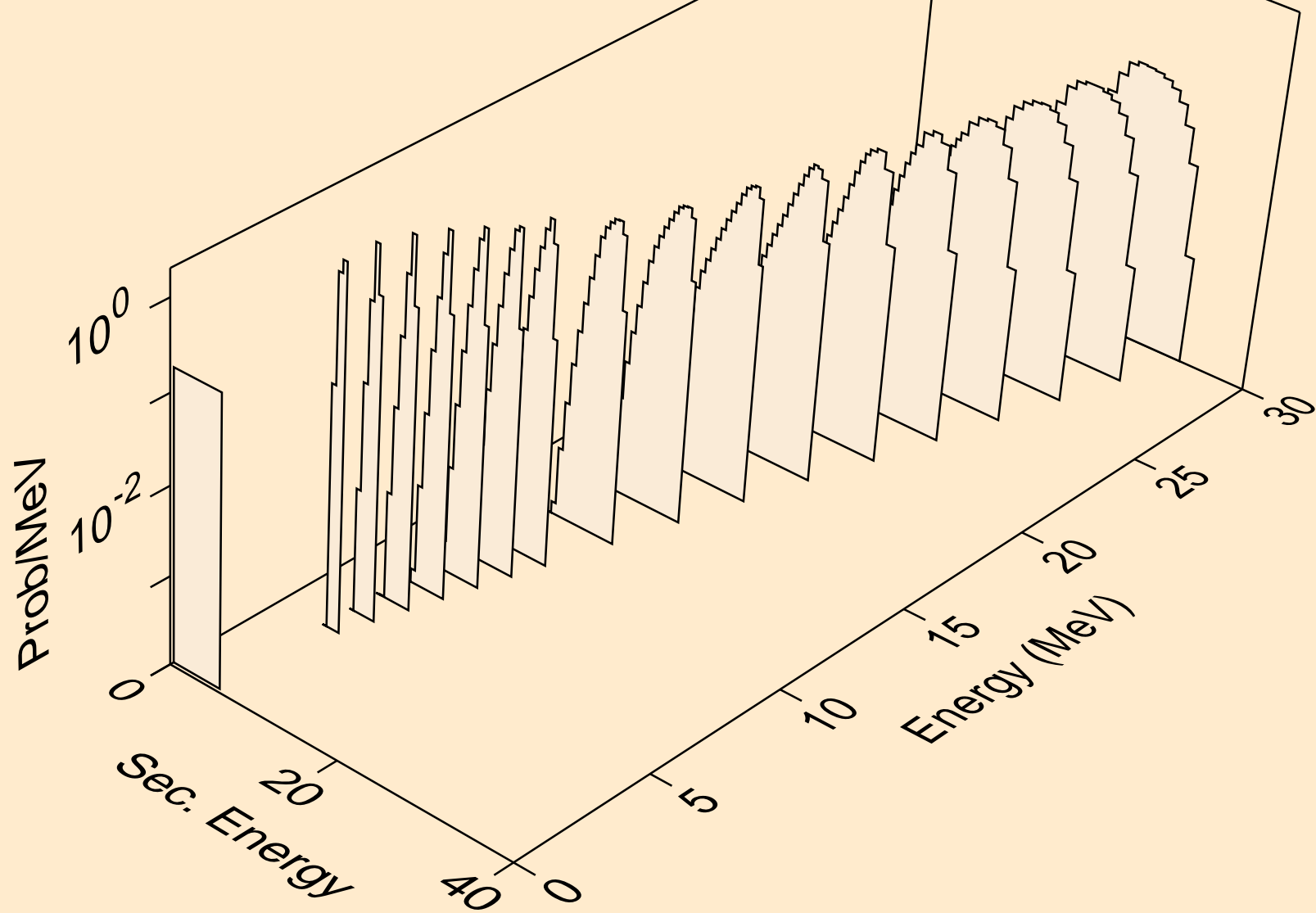
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,he3)



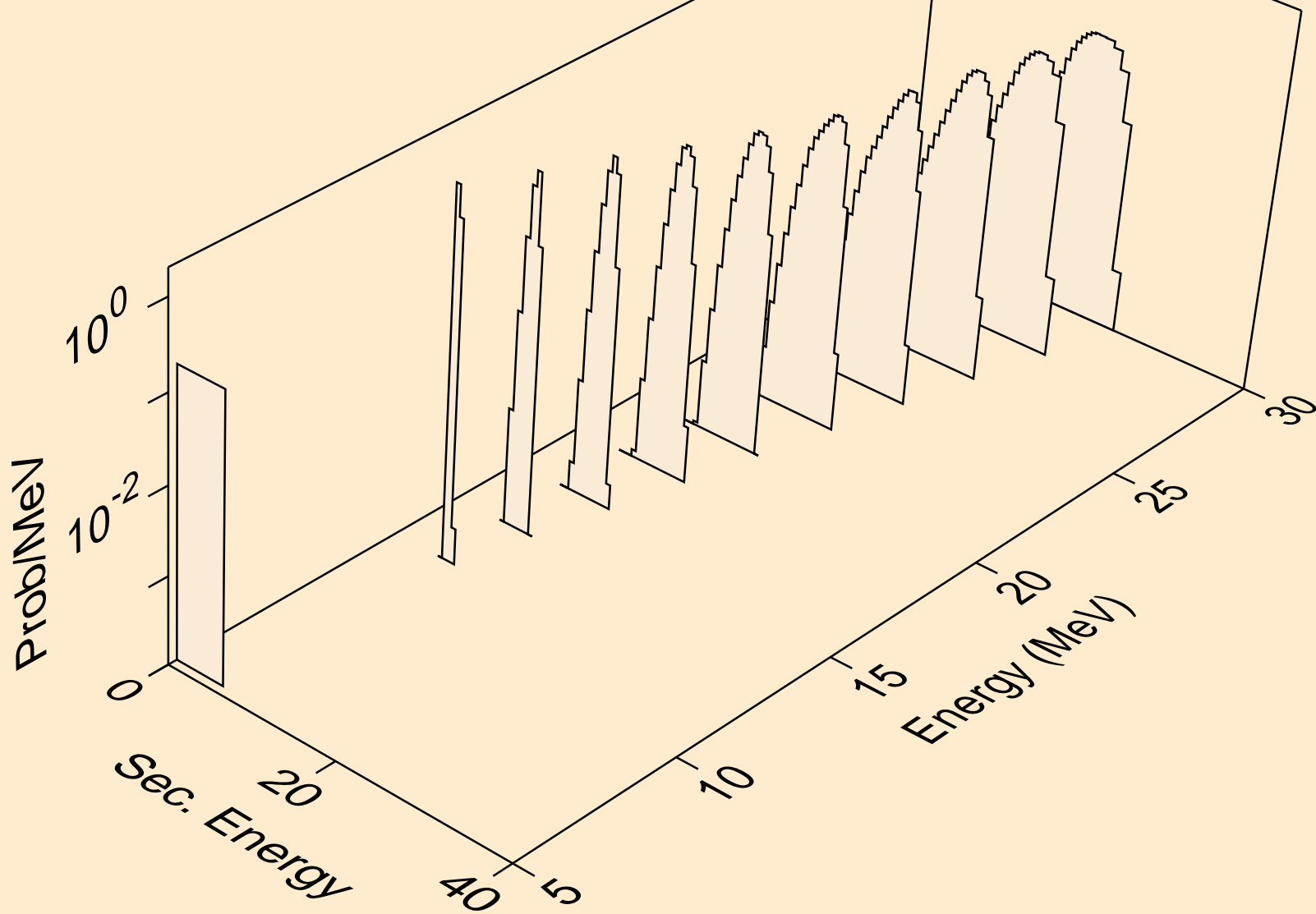
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)



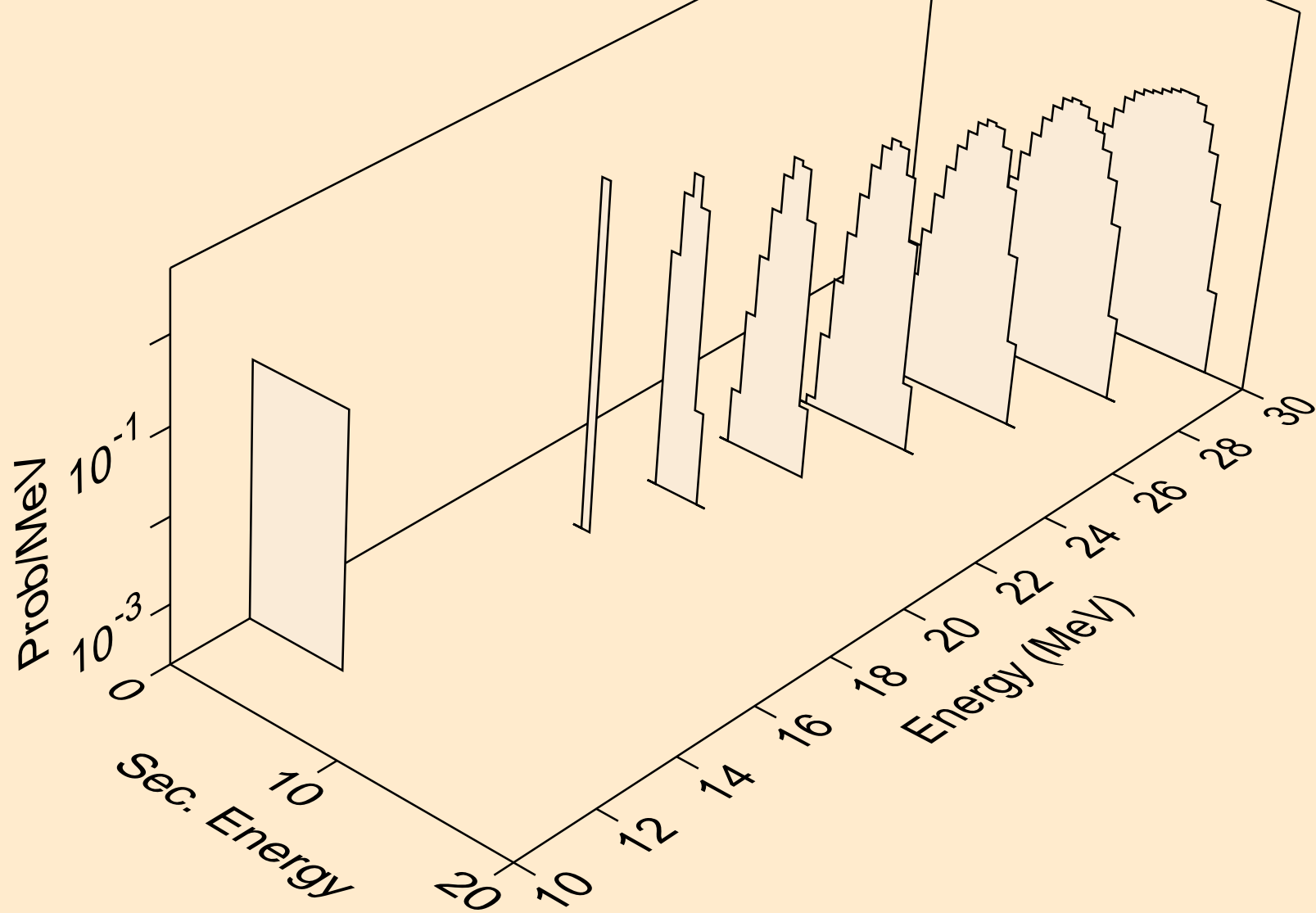
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a



IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)a

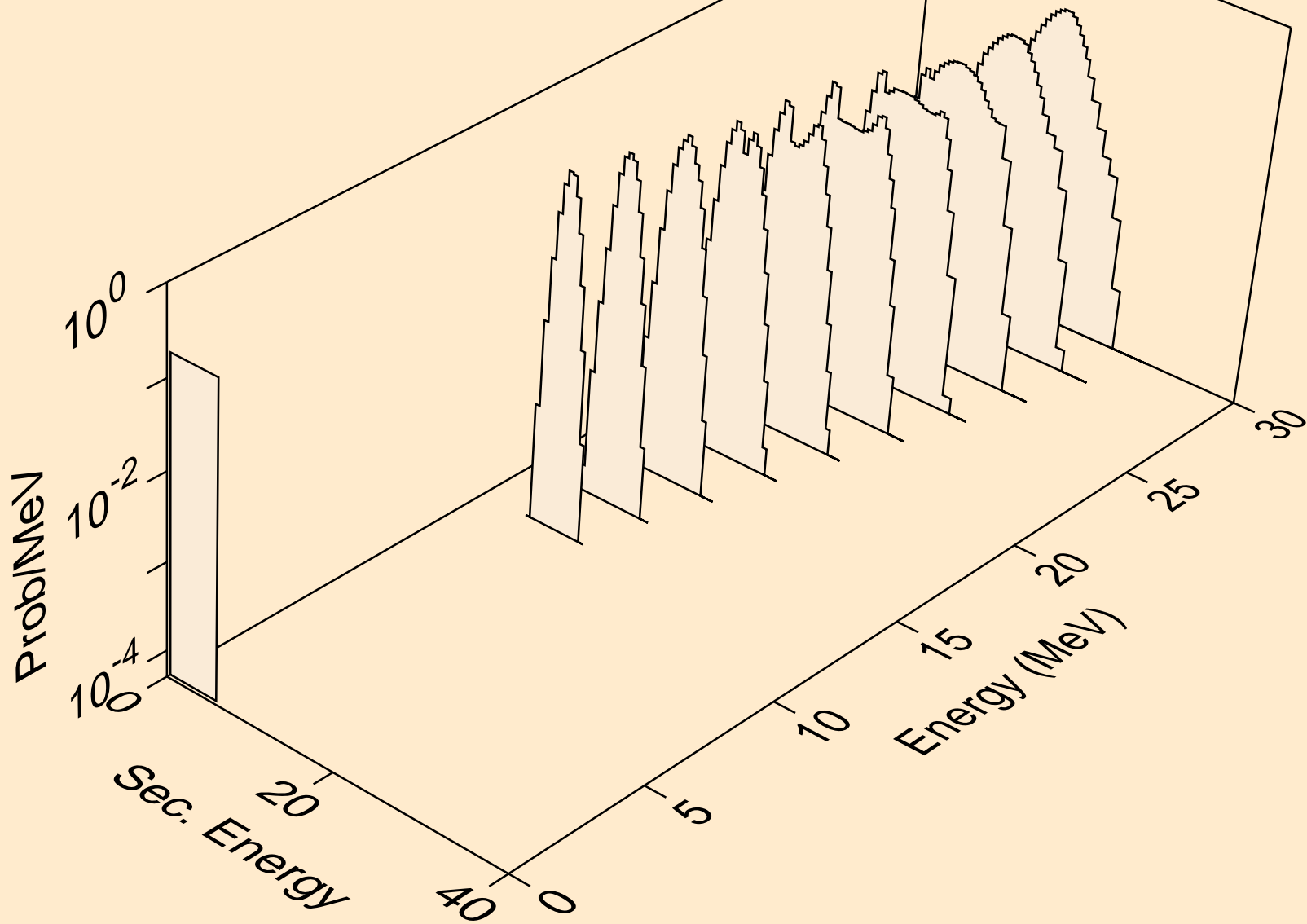


IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3n)a

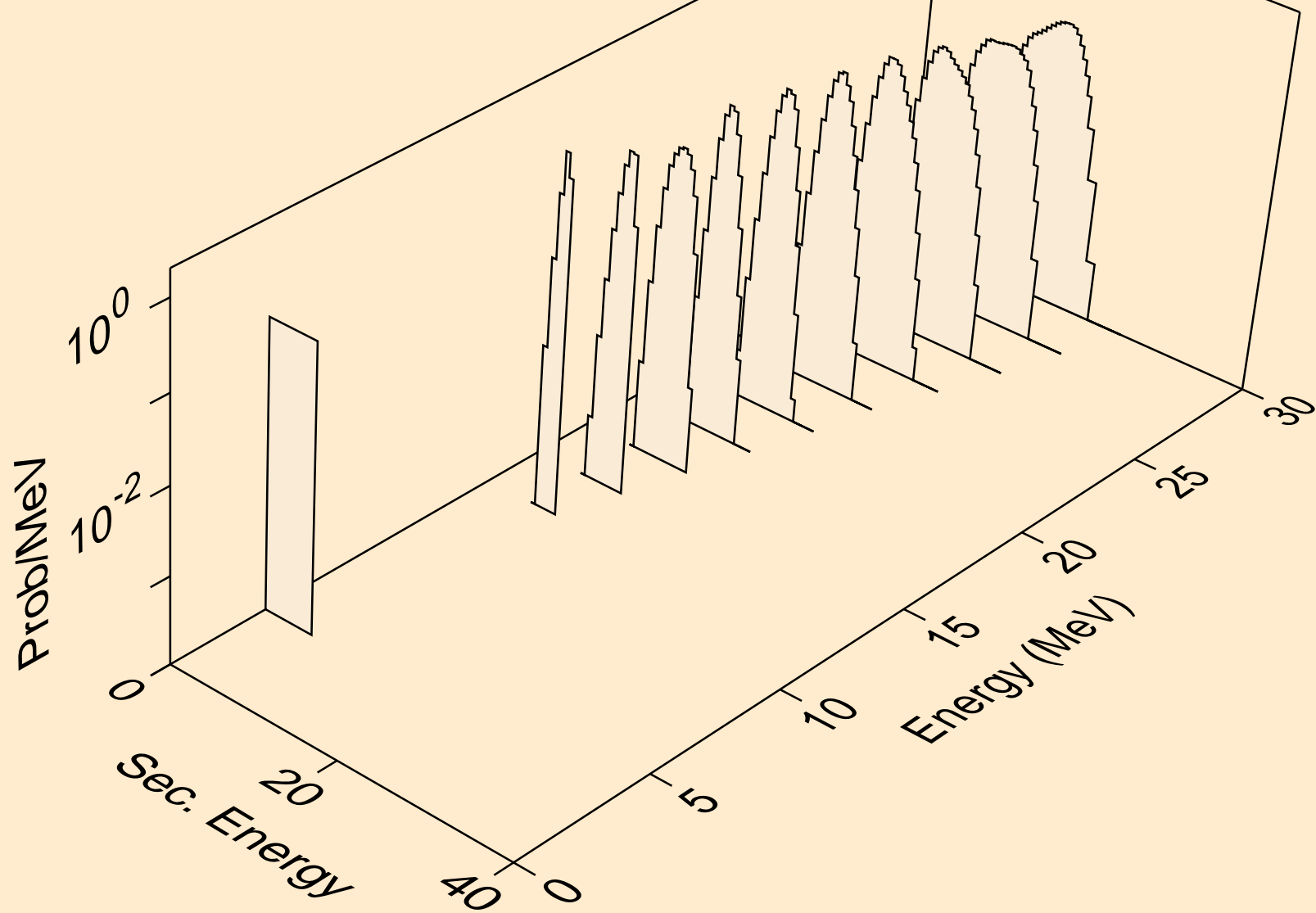




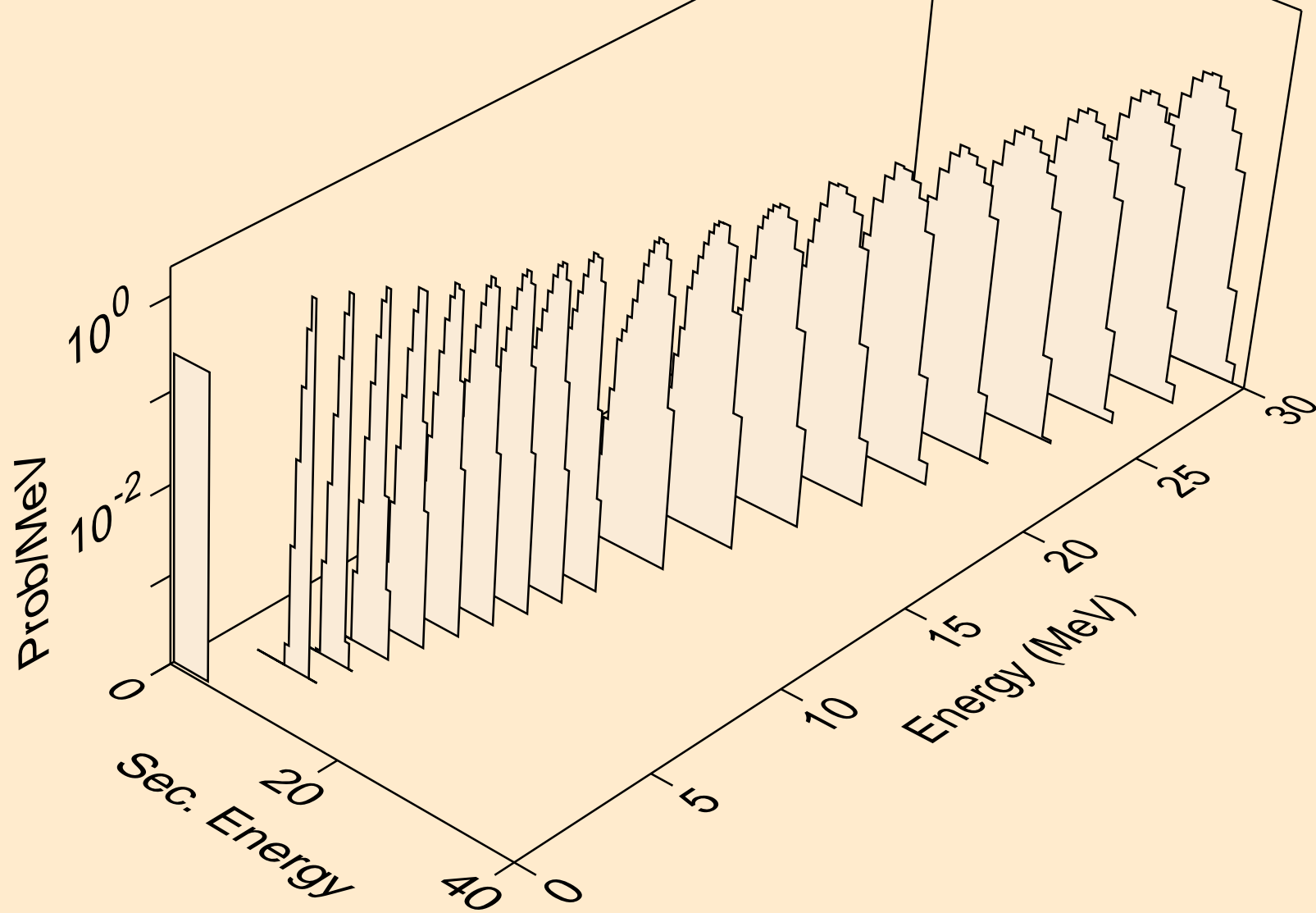
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)2a



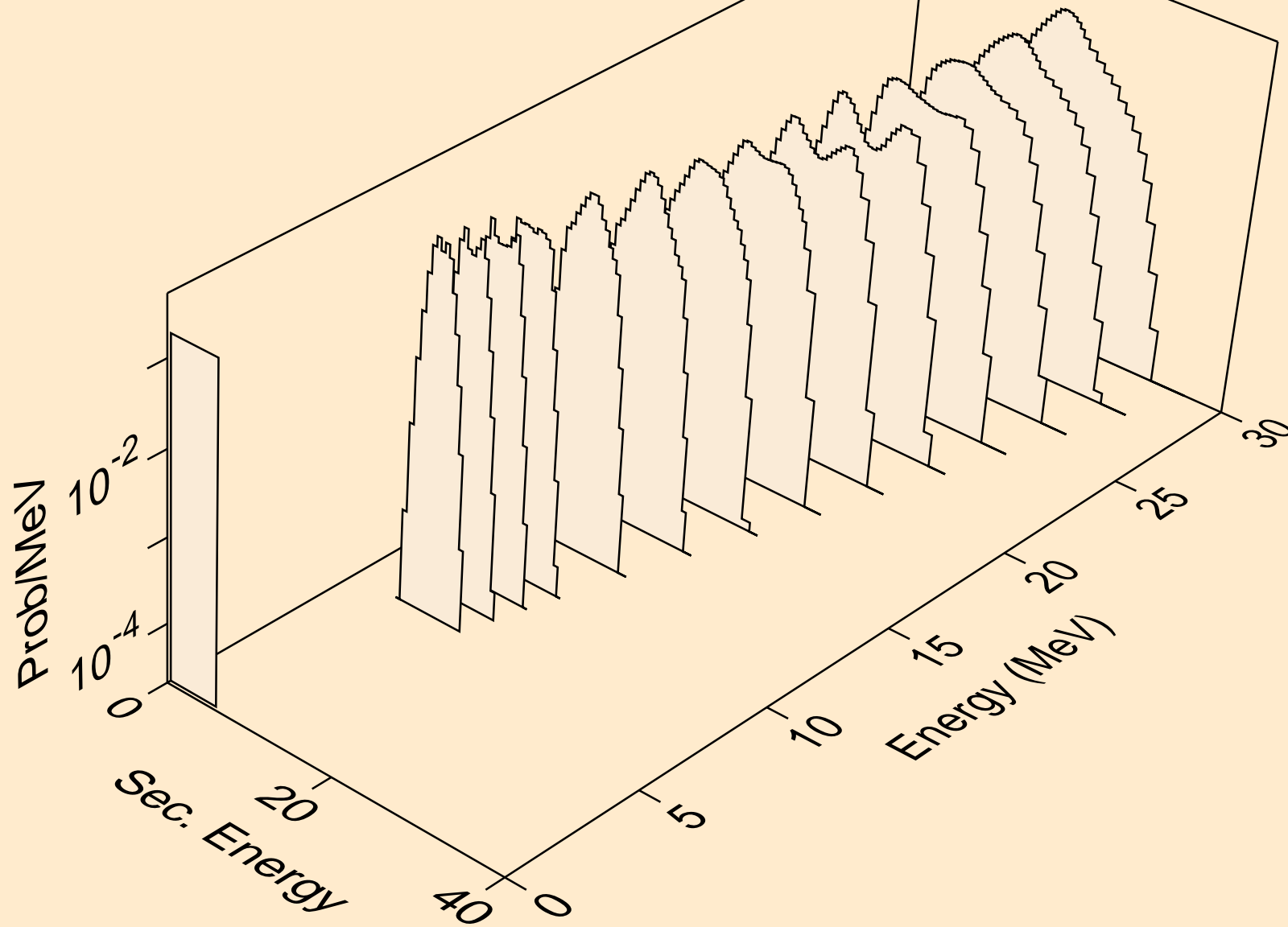
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,npa)



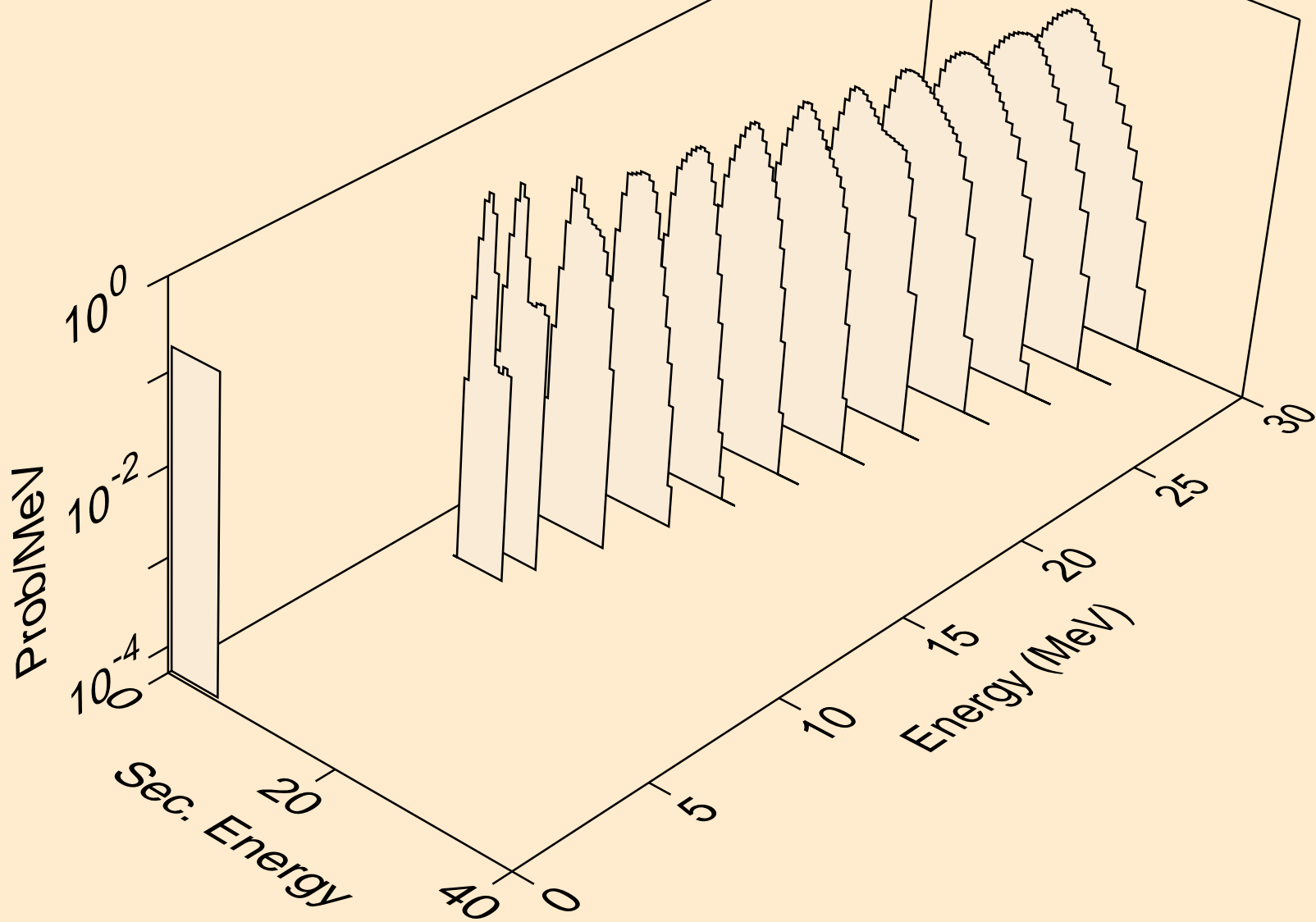
IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)



IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2a)



IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)



IR190 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,da)

