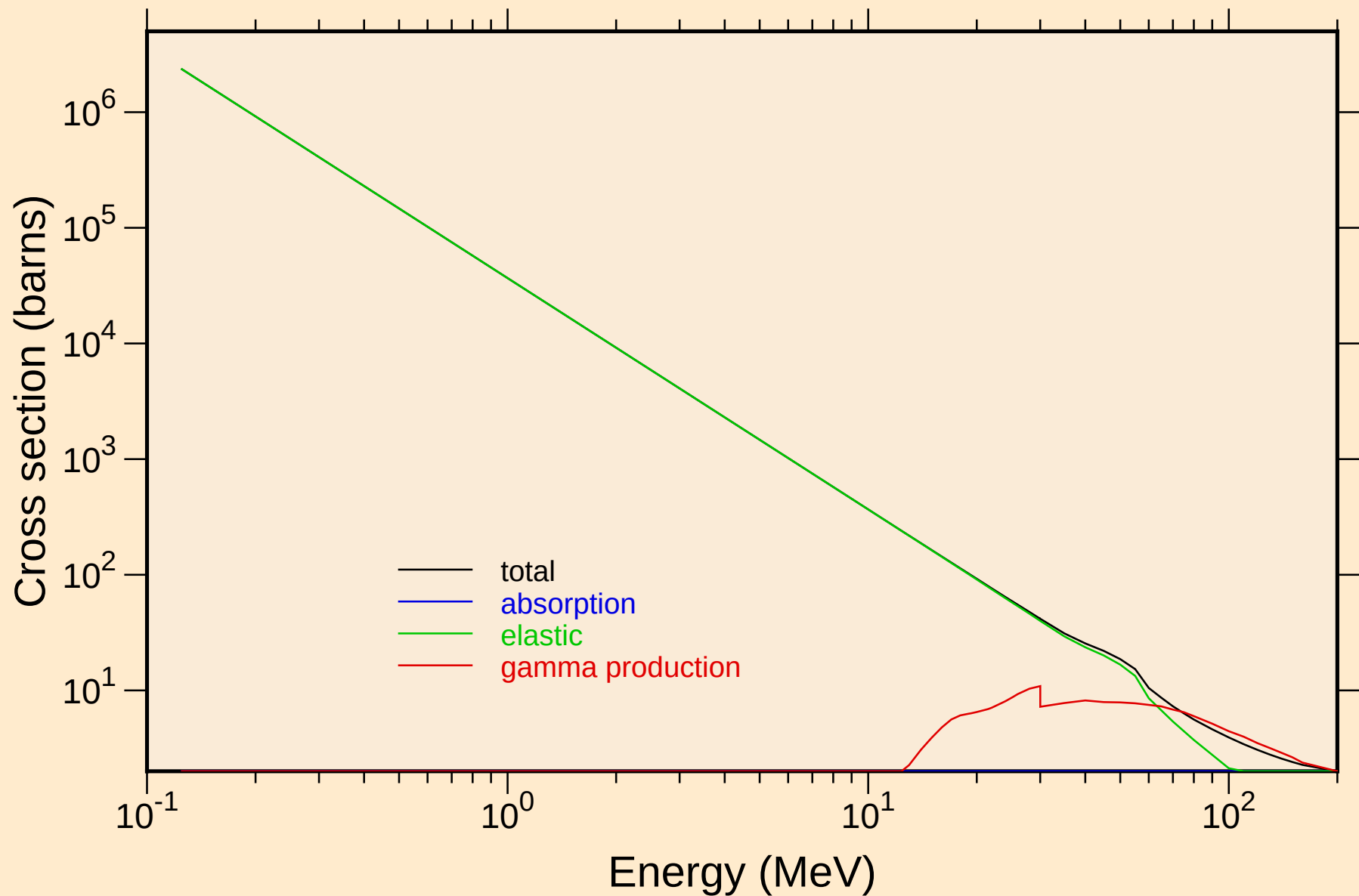


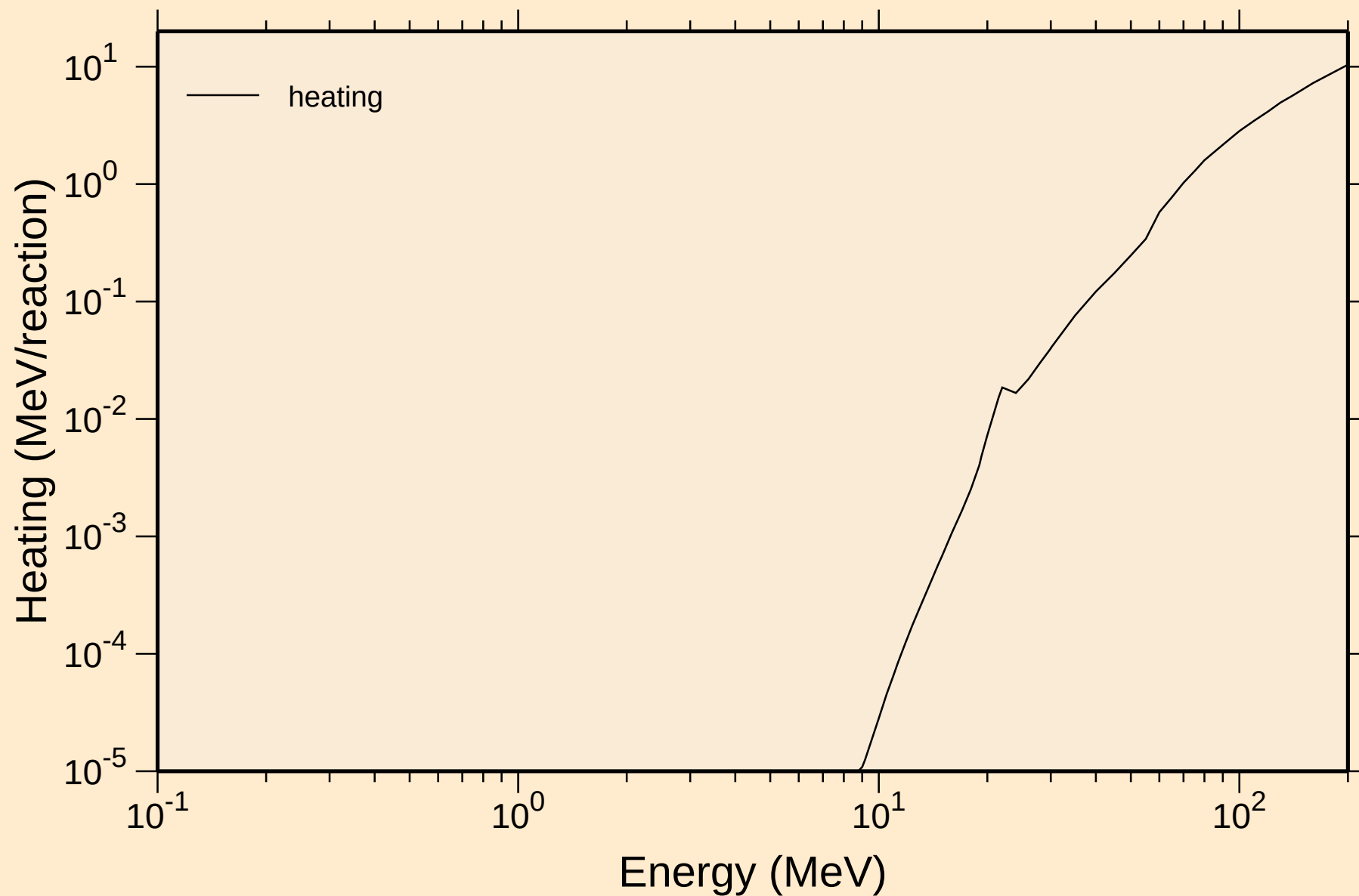
# IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



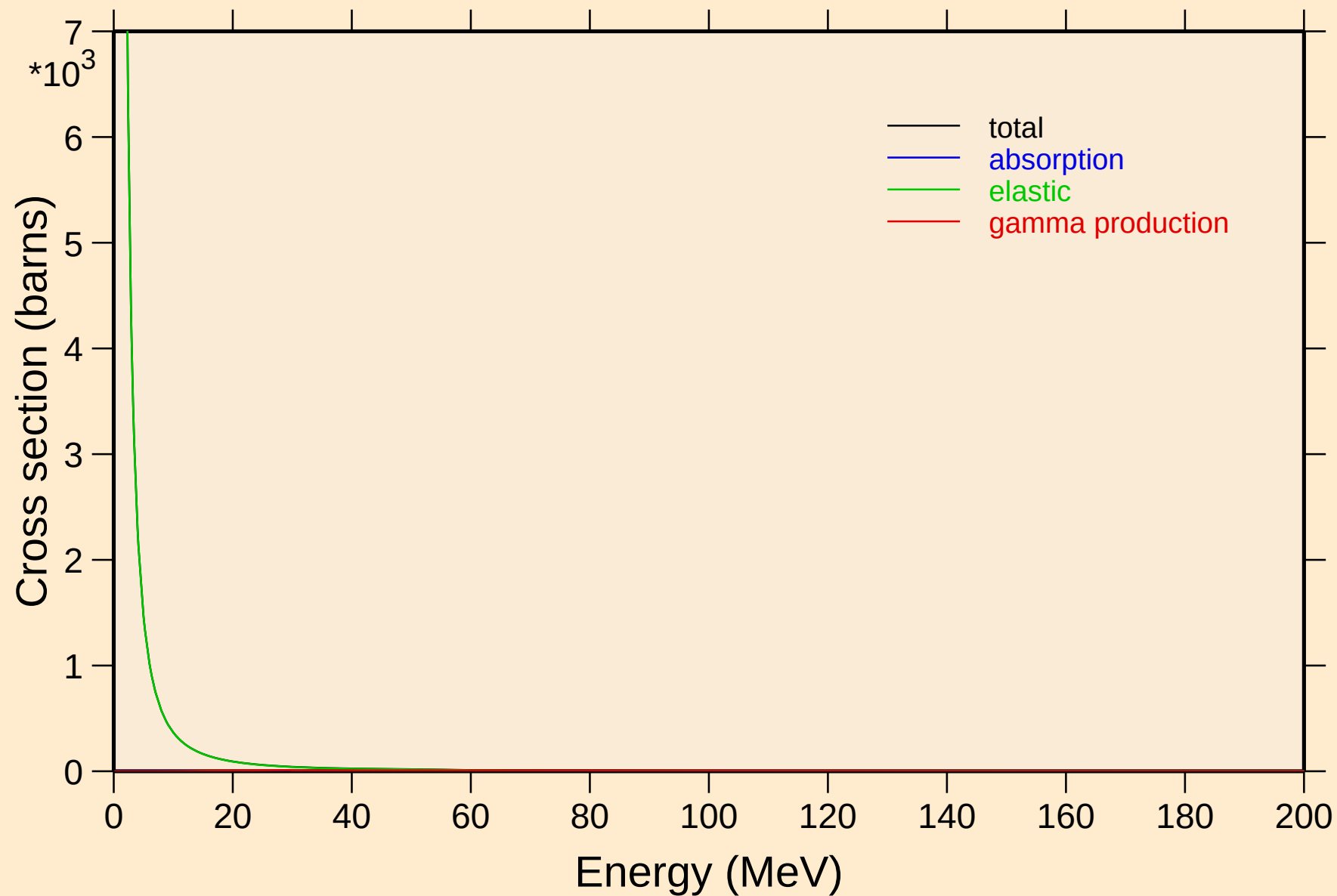
# IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K

Heating



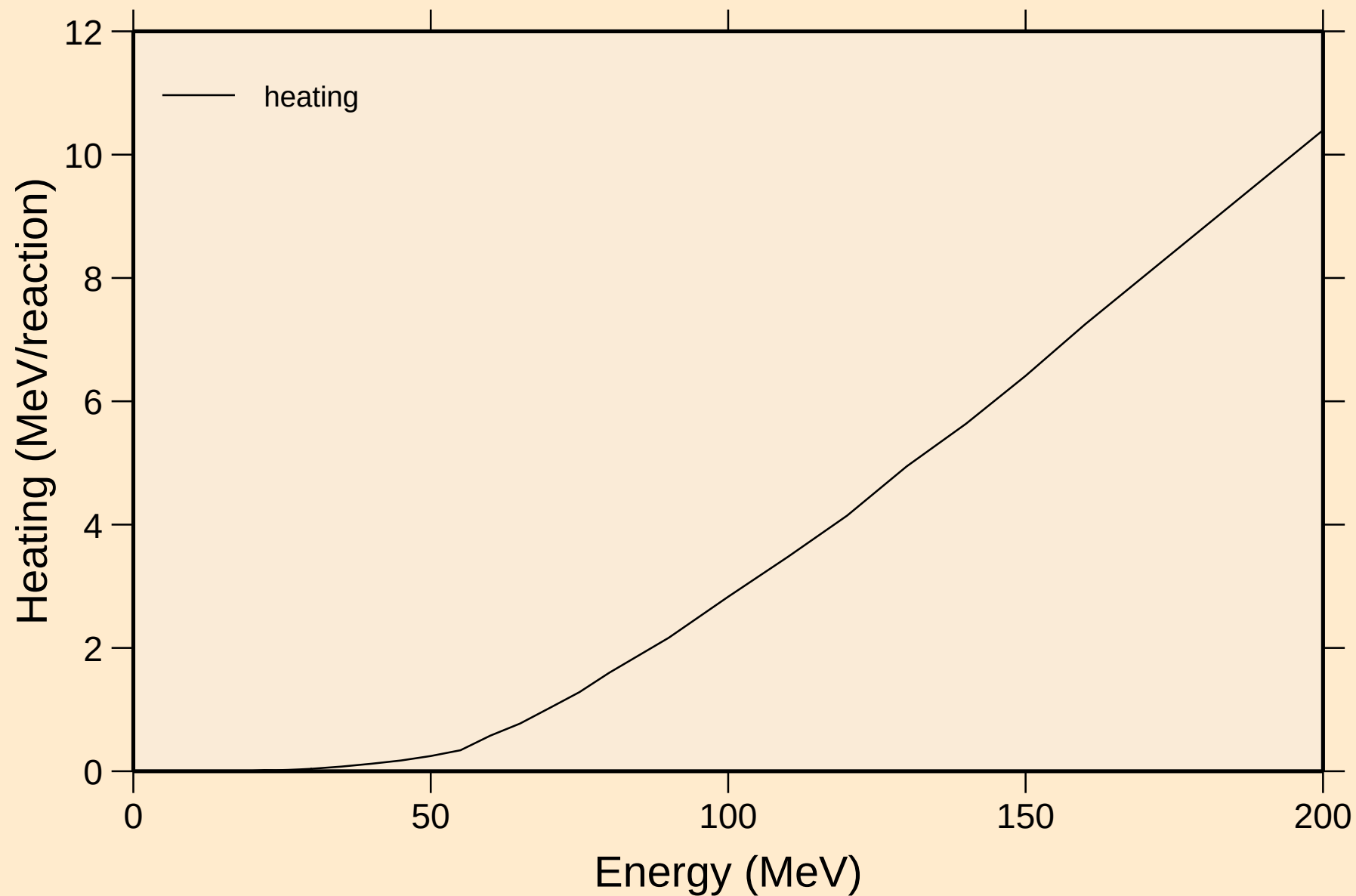
# IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections



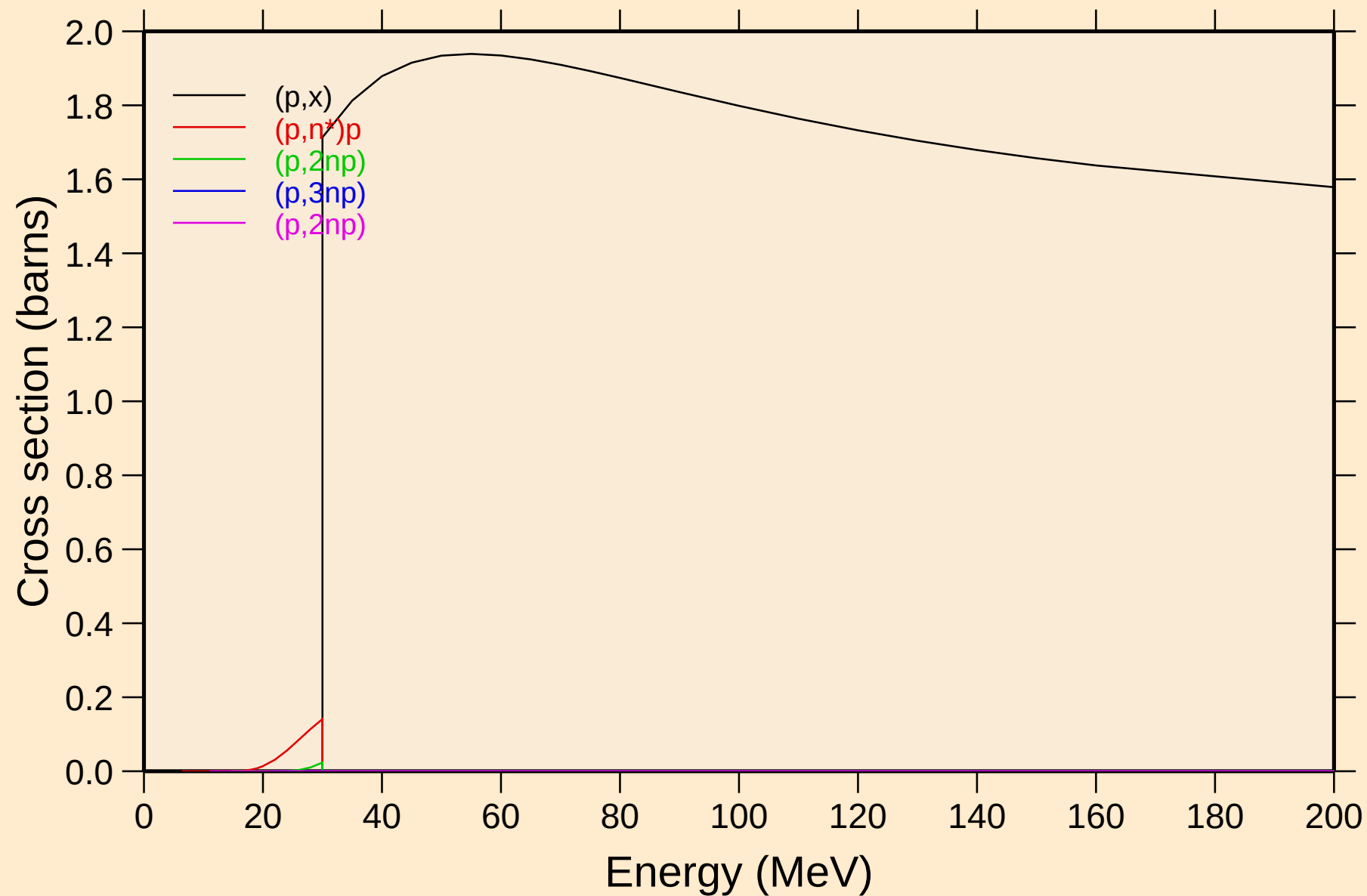
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Heating



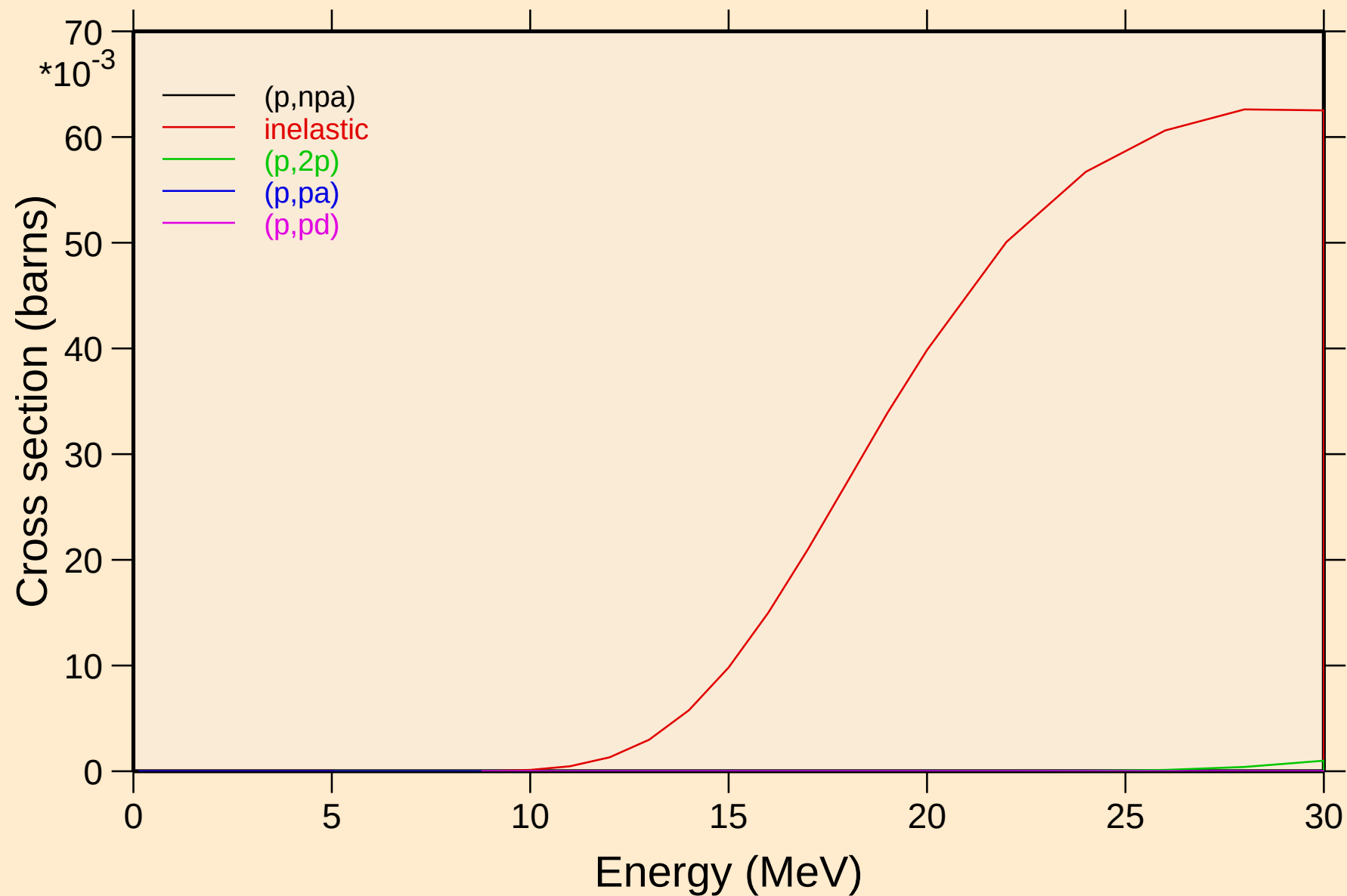
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Threshold reactions



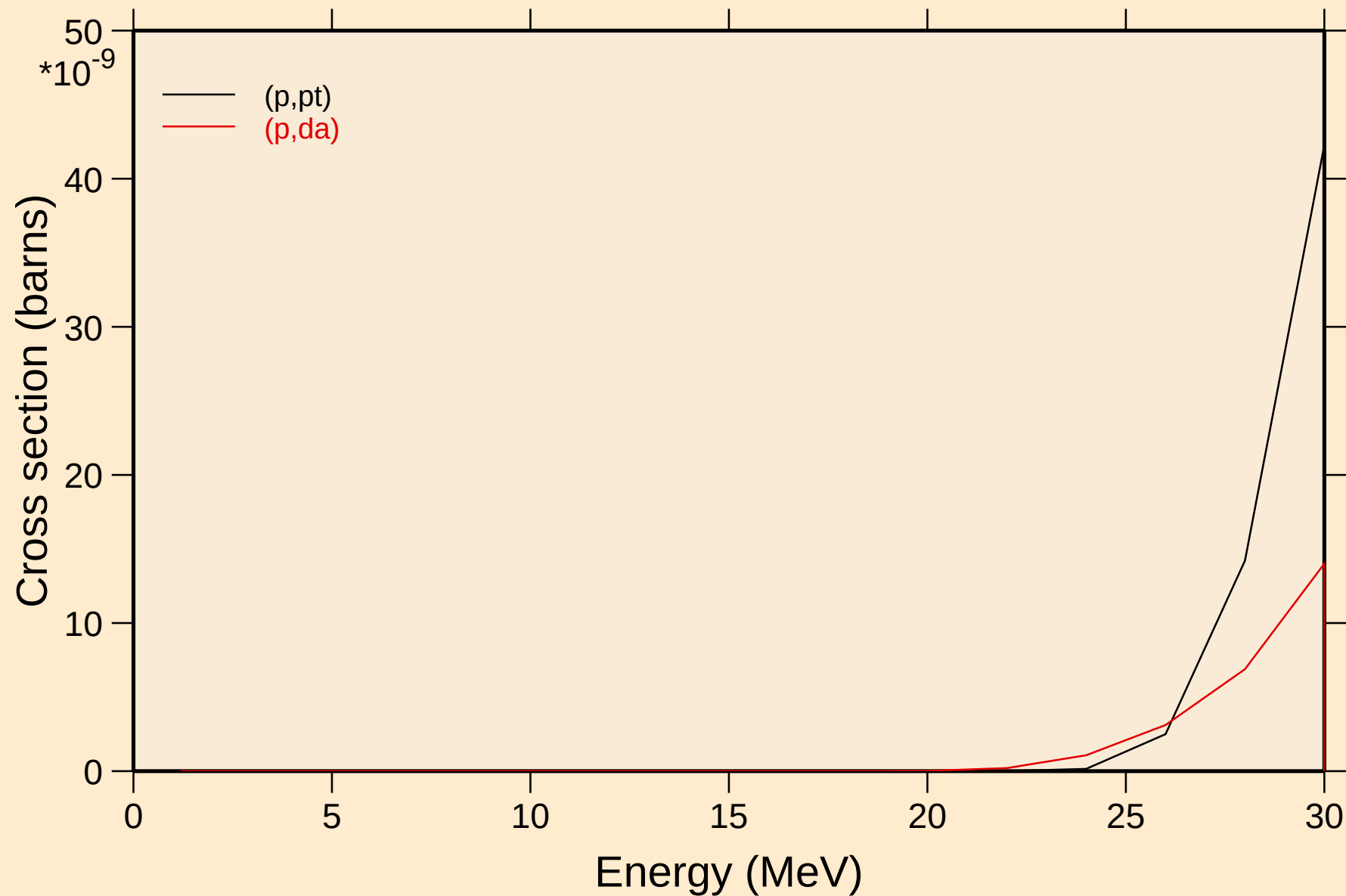
# IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K

Threshold reactions

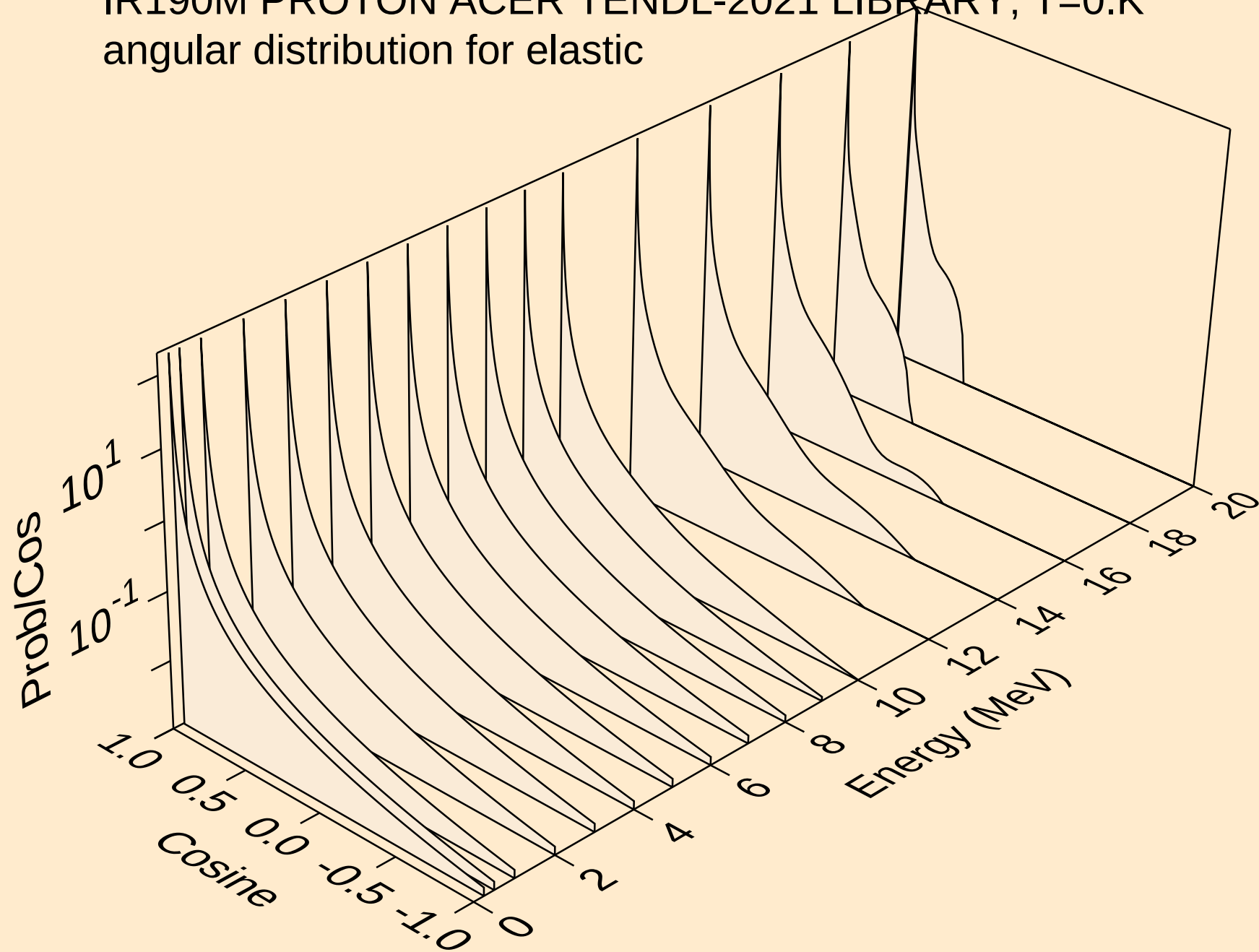


# IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K

Threshold reactions

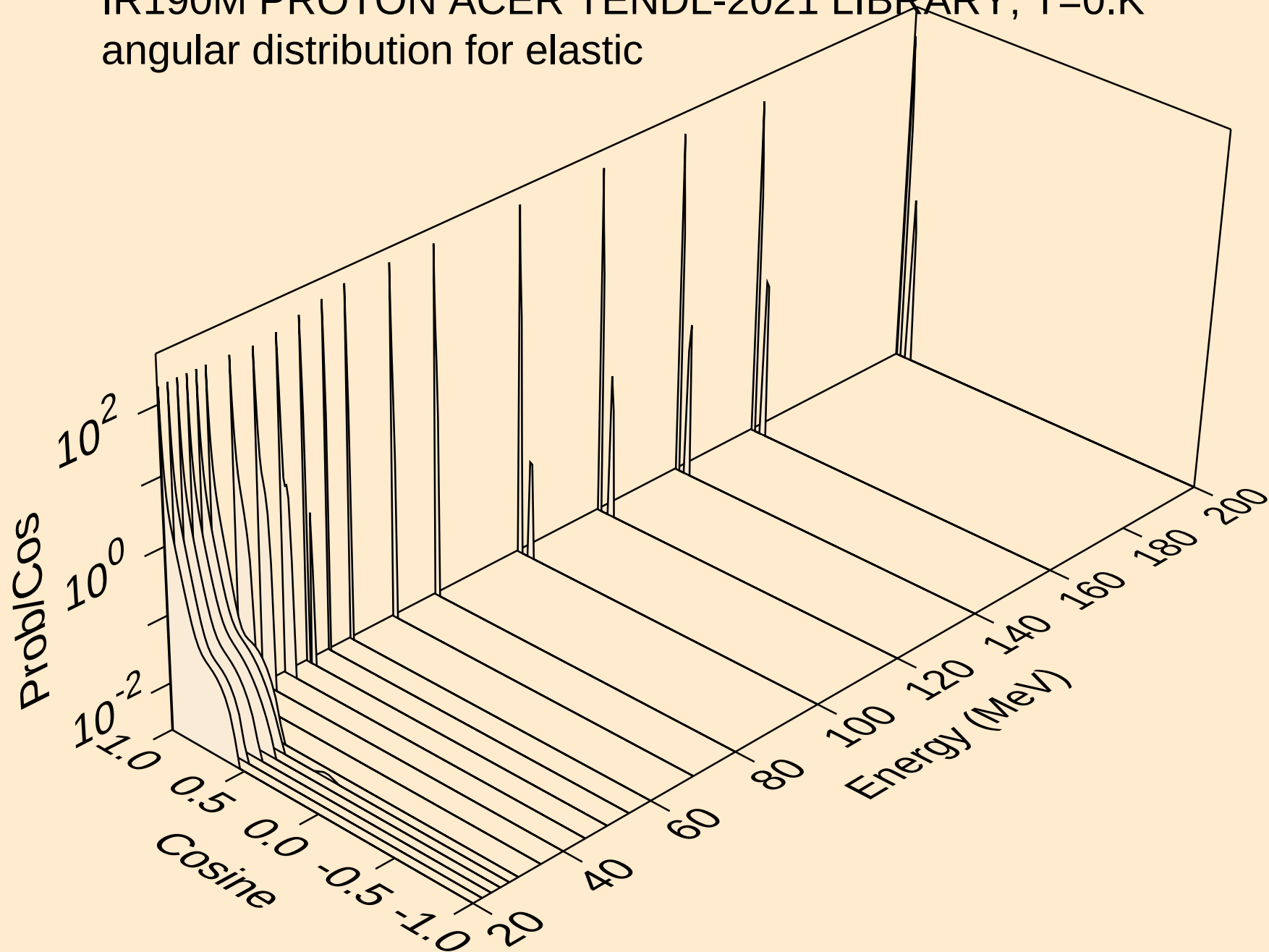


IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic

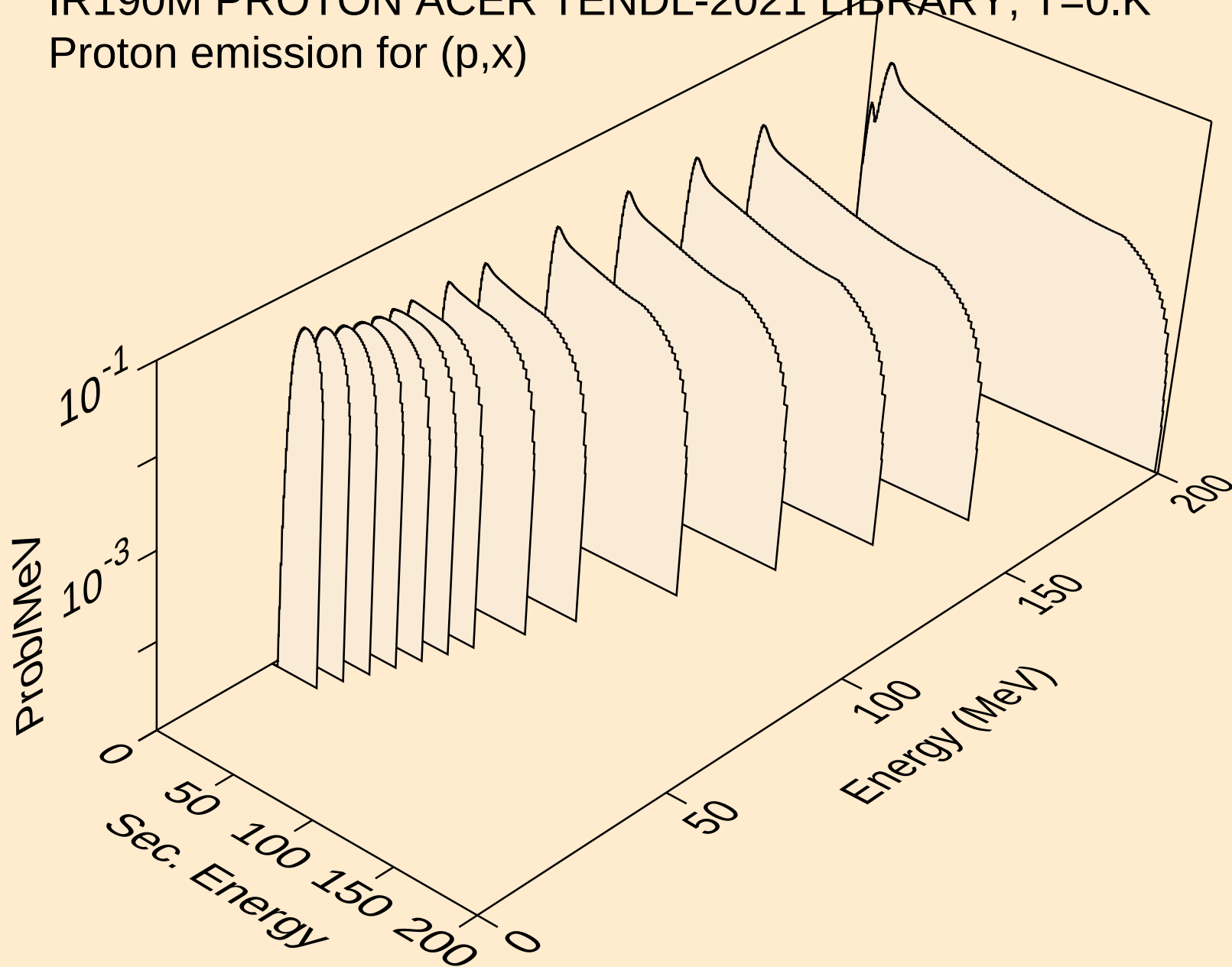




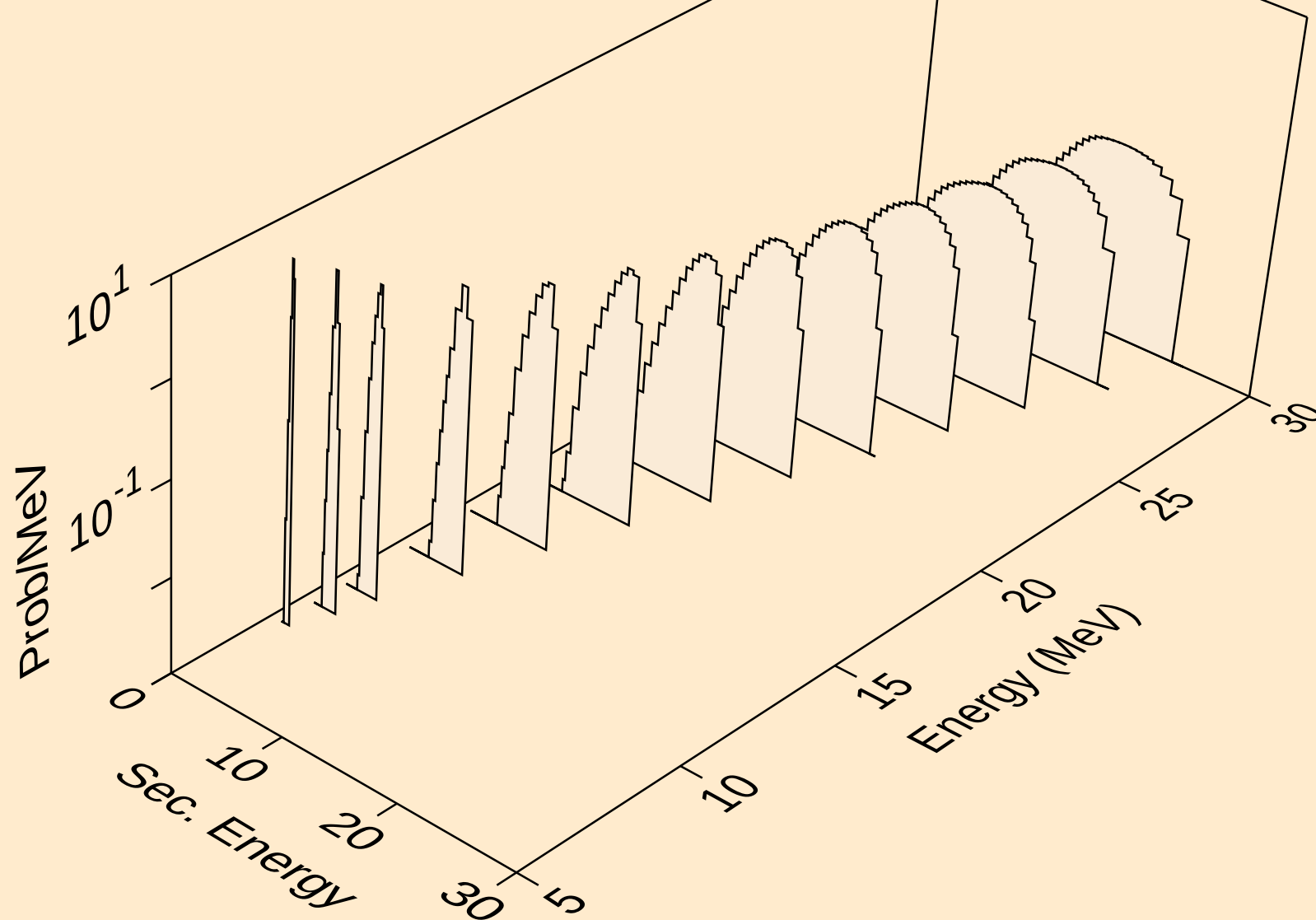
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
angular distribution for elastic



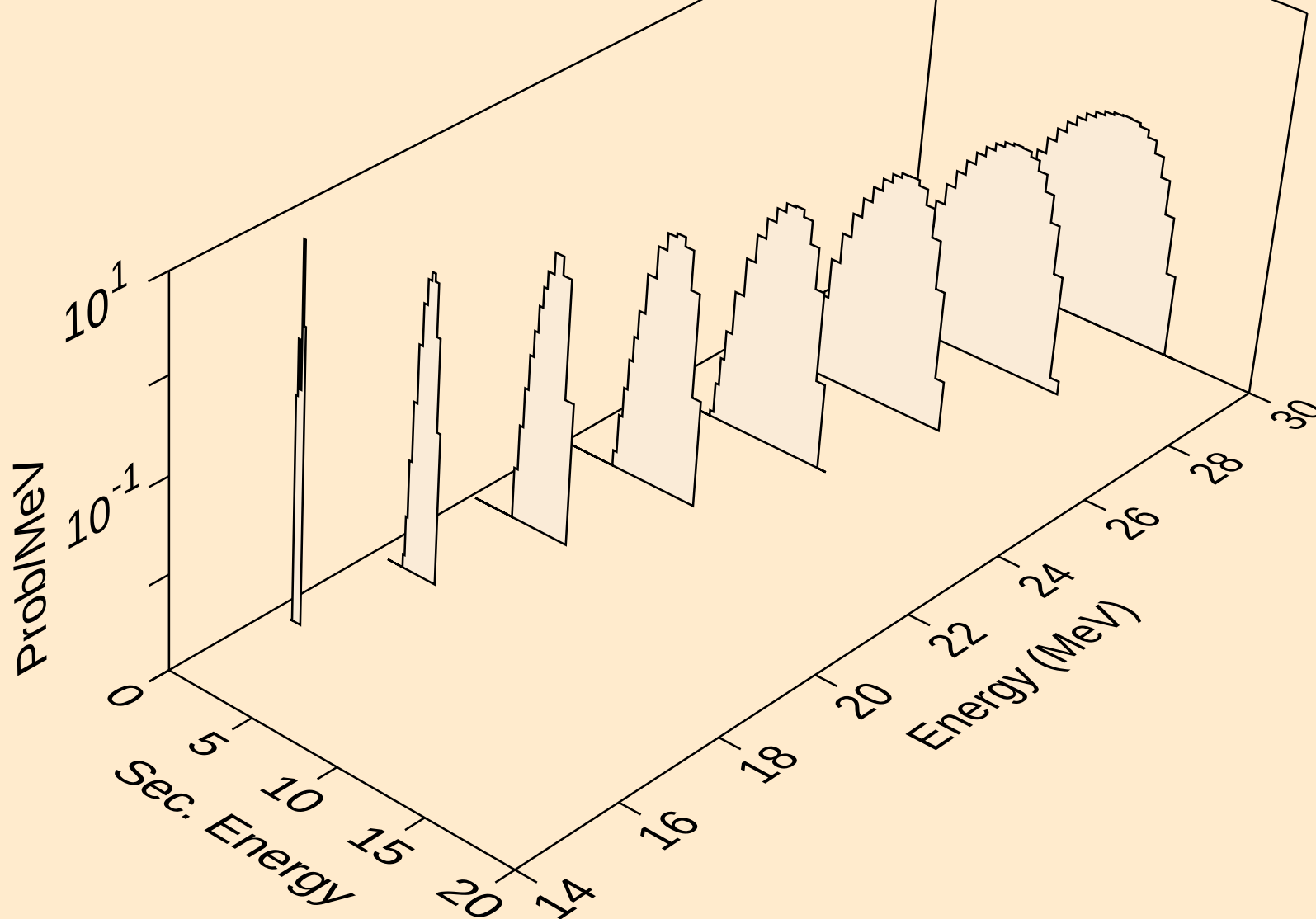
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,x)



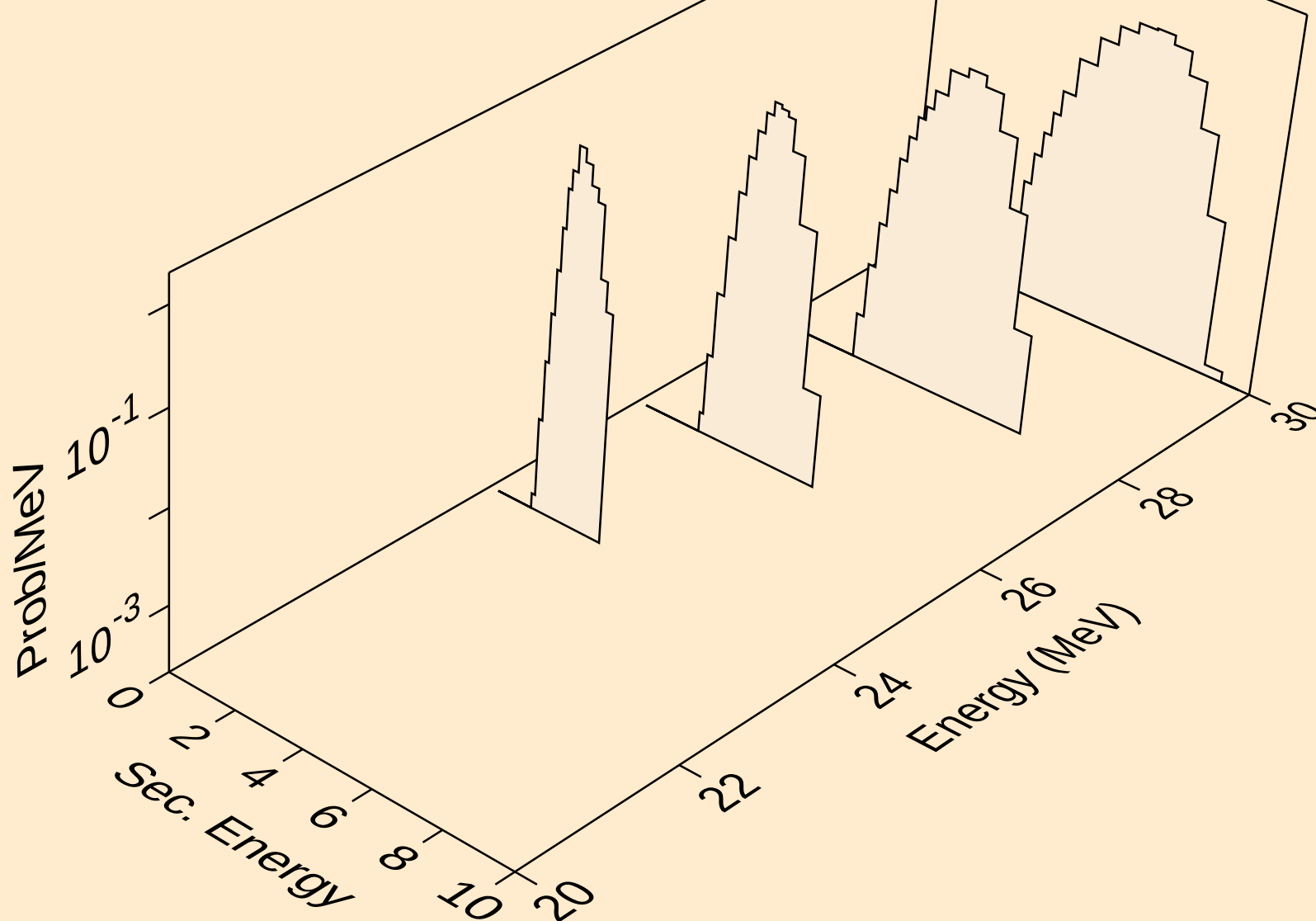
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



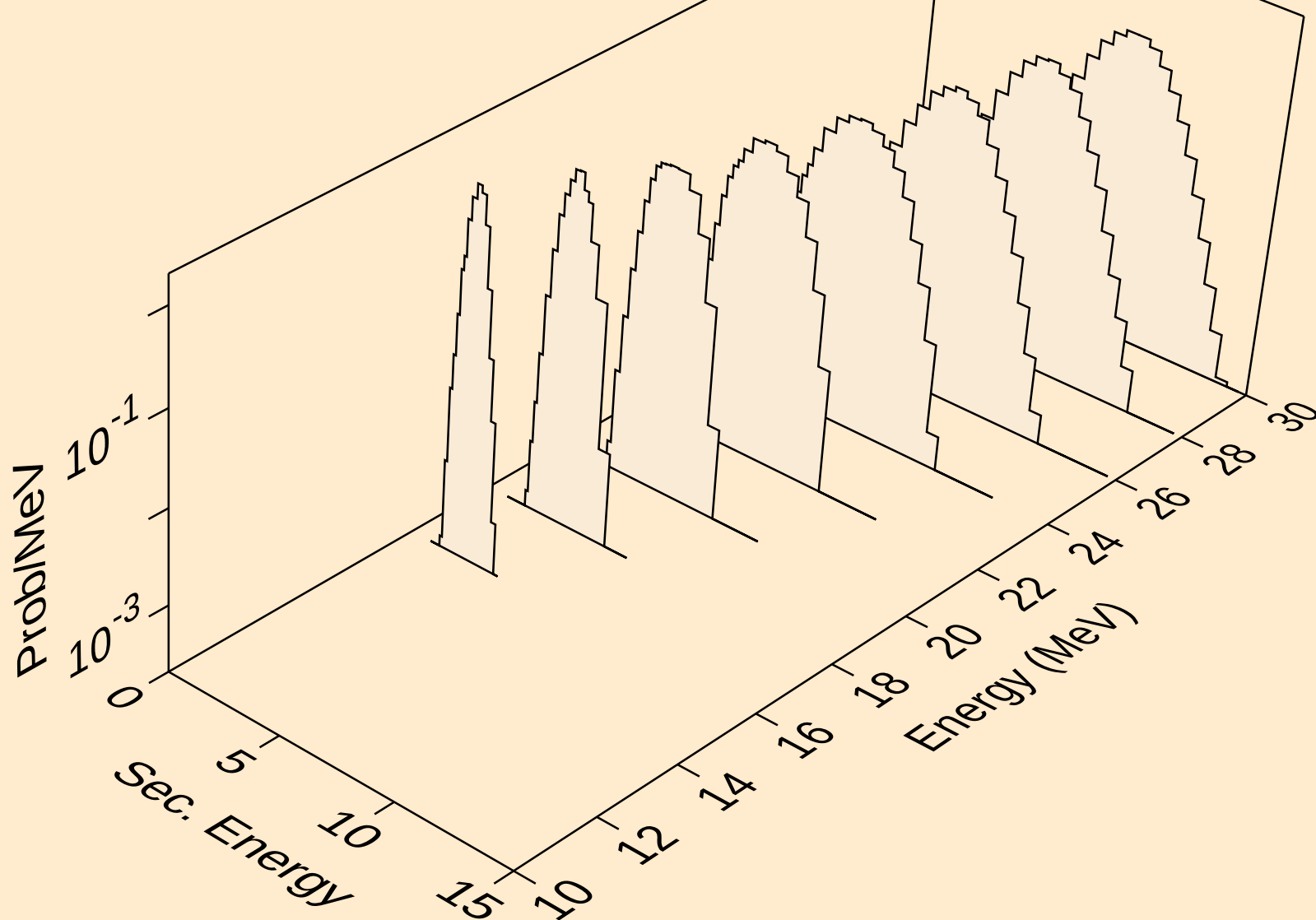
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



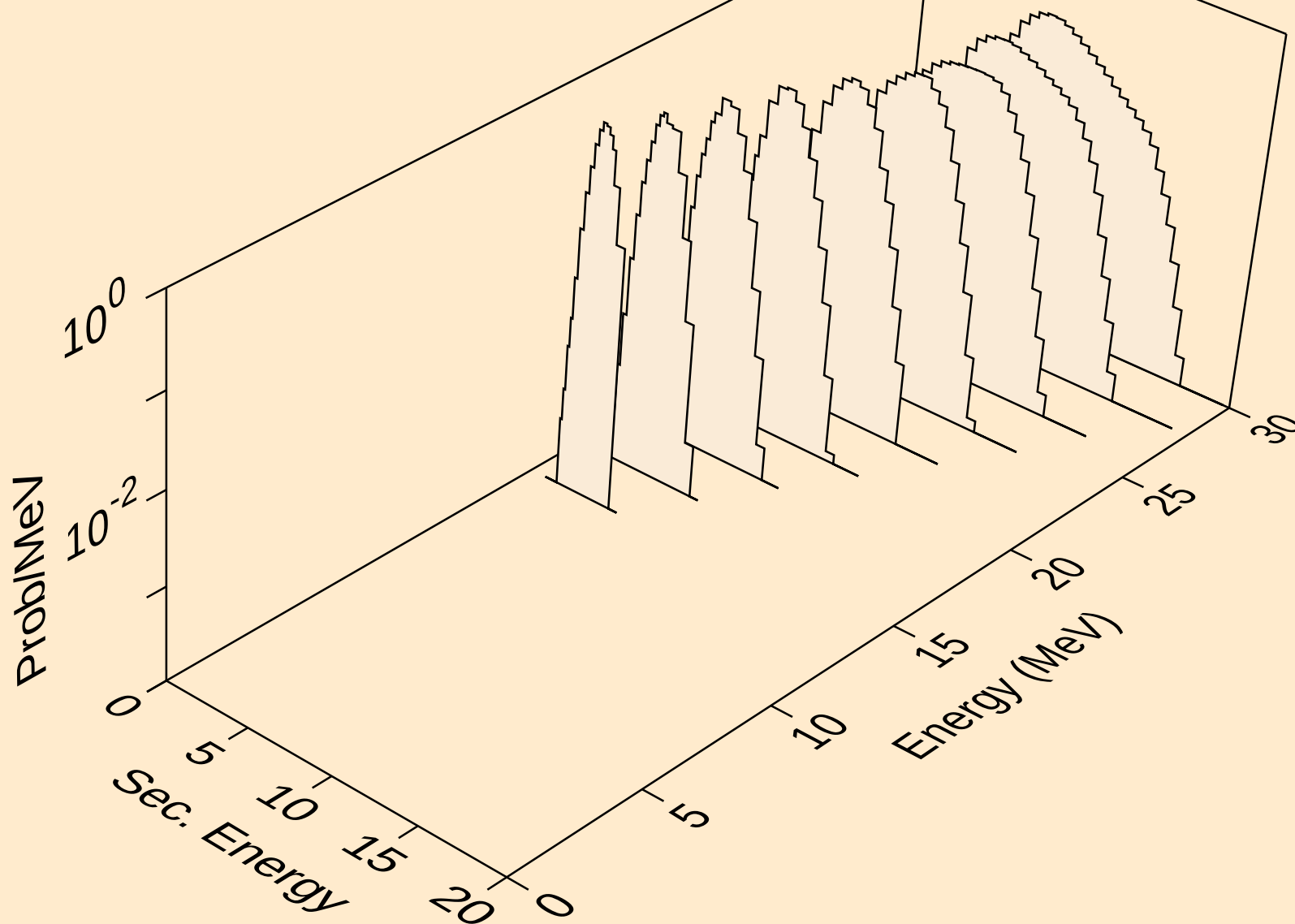
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Proton emission for (p,3np)



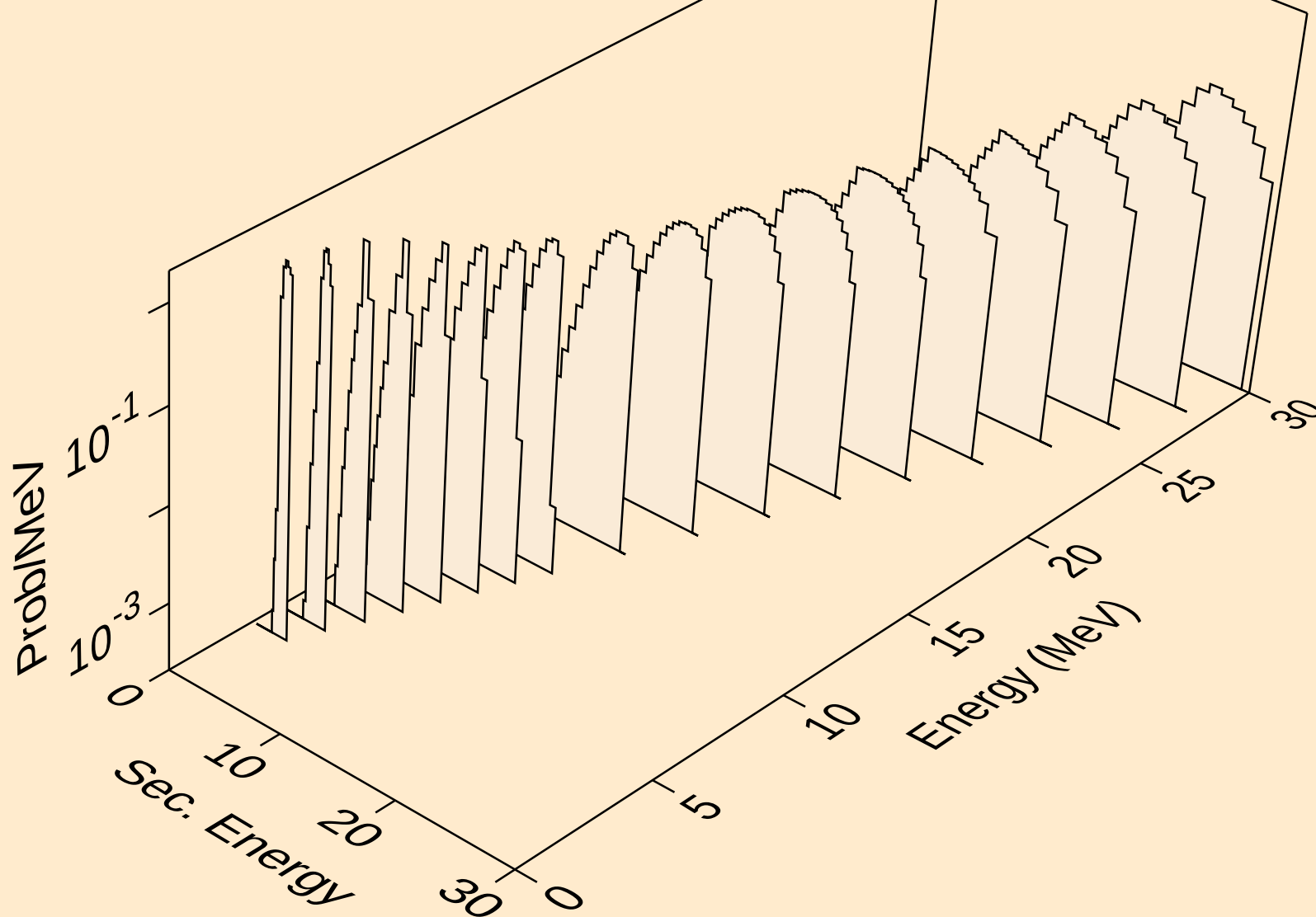
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2np)



IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,npa)

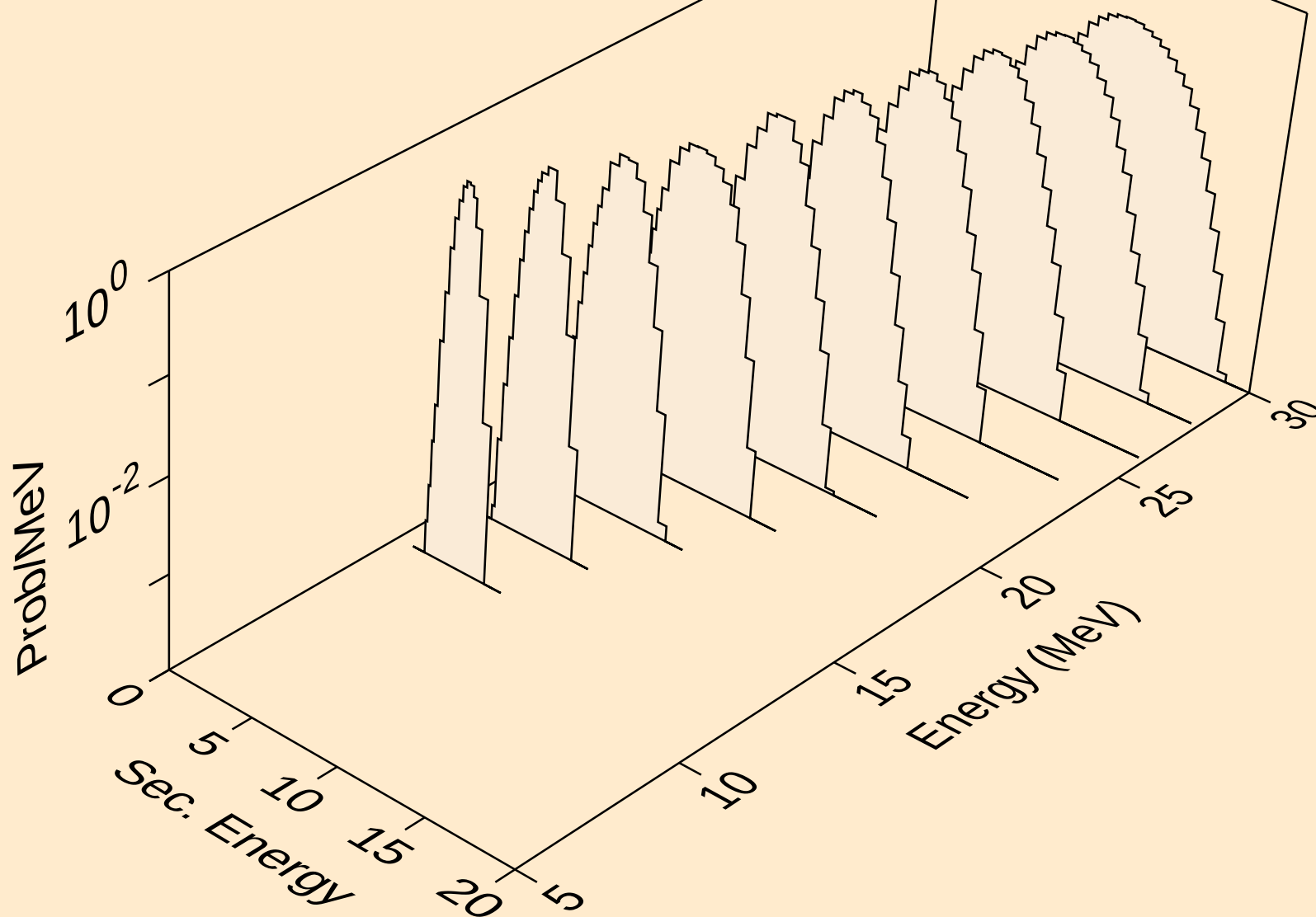


IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for inelastic

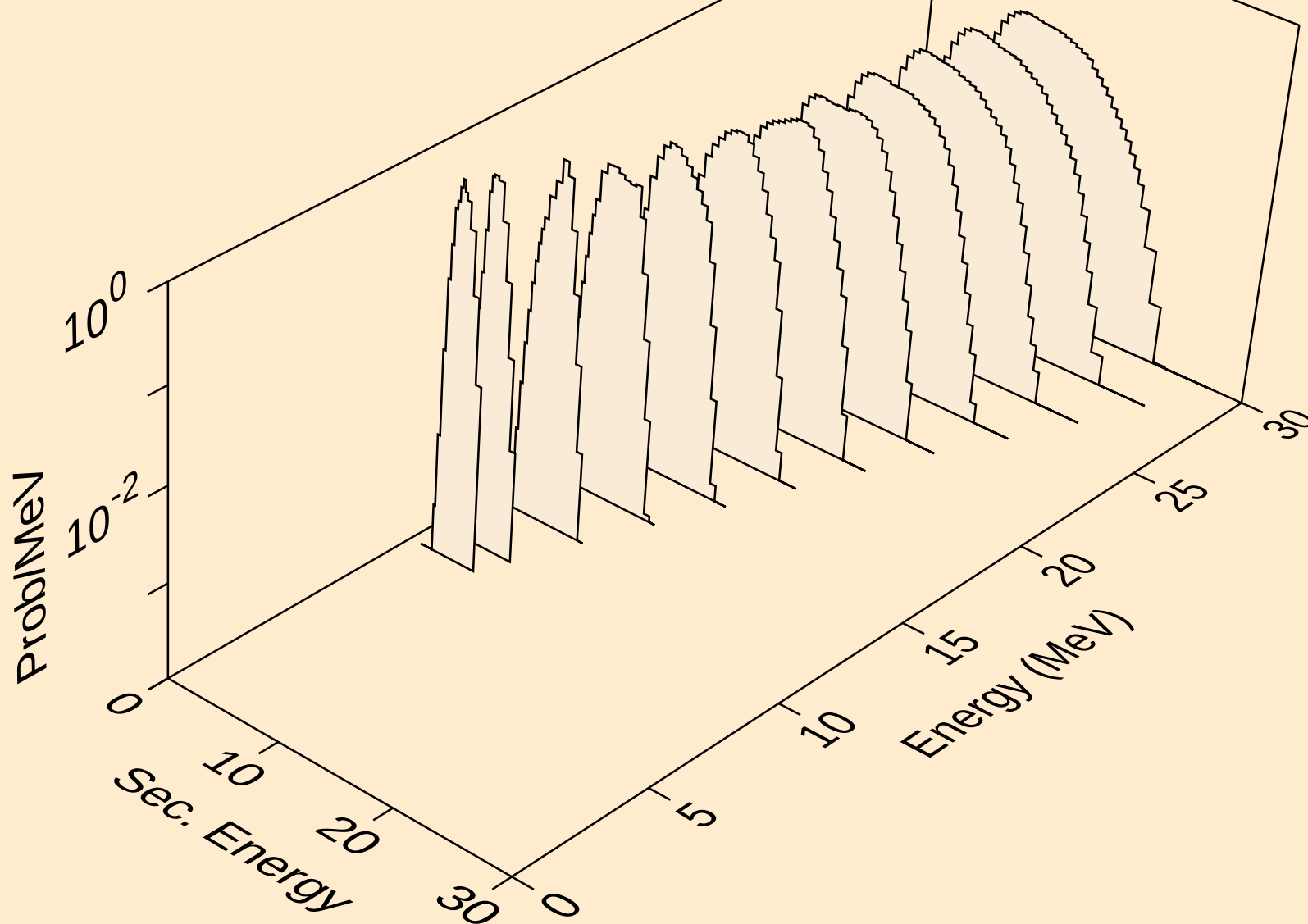




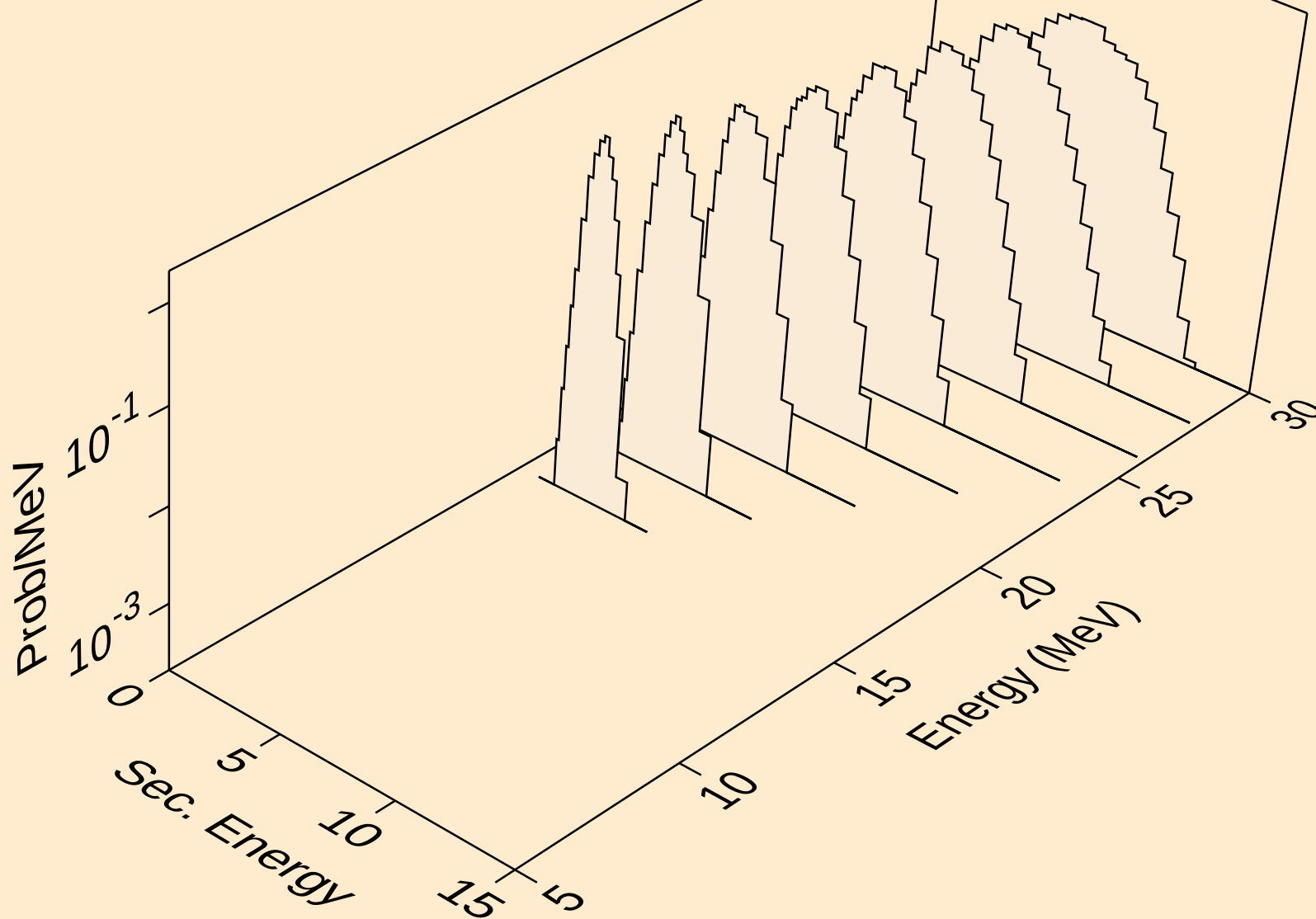
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,2p)



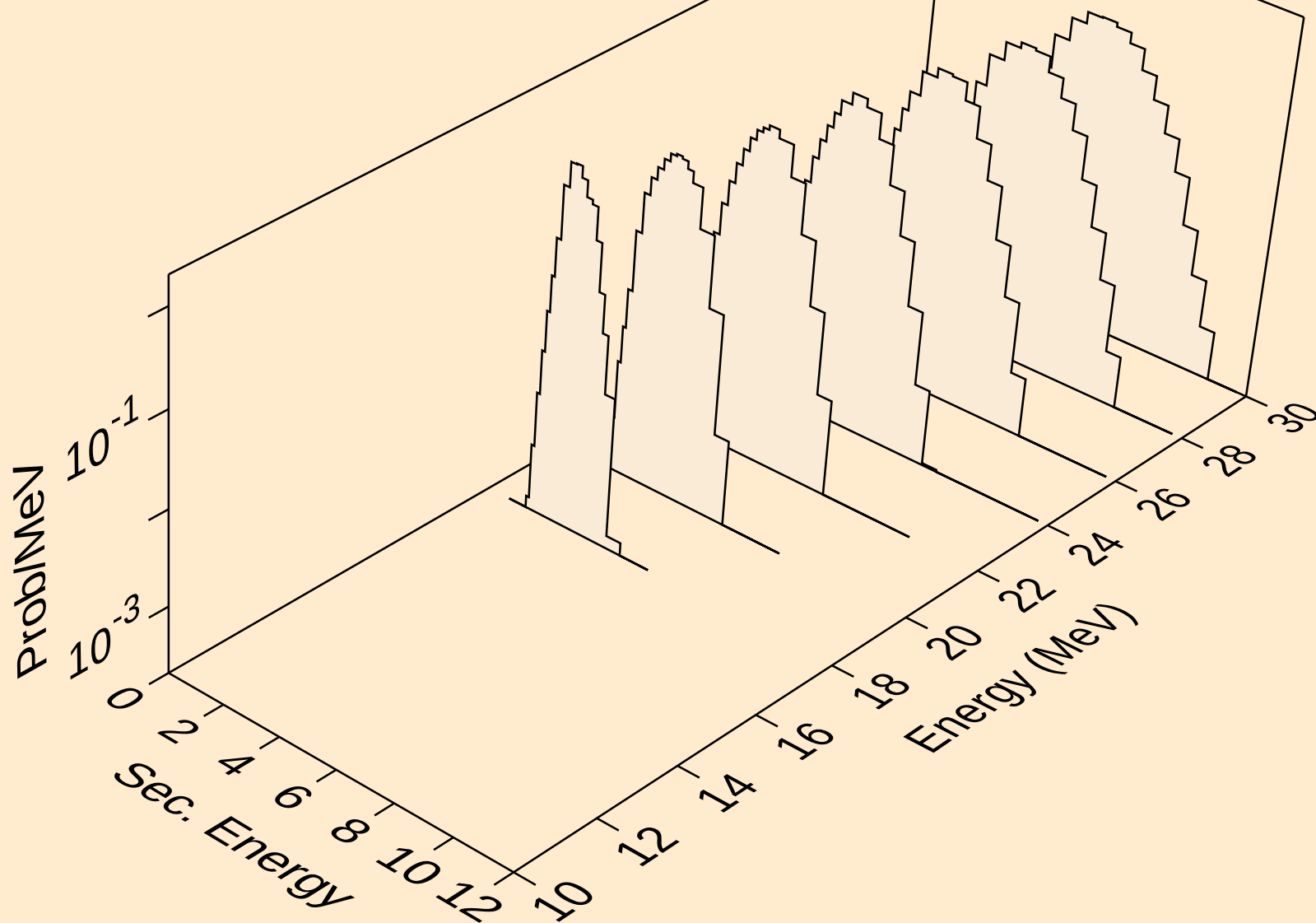
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pa)



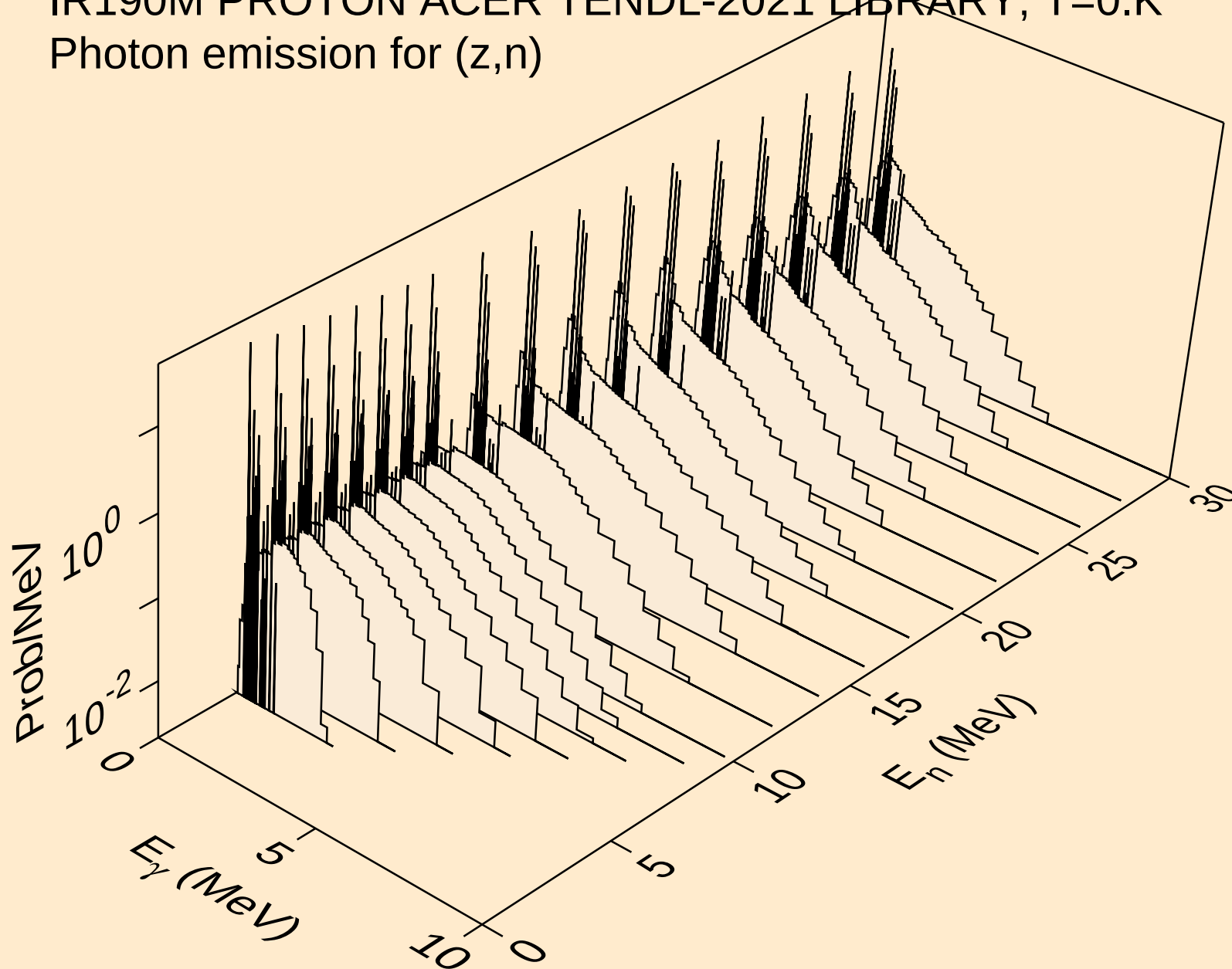
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pd)



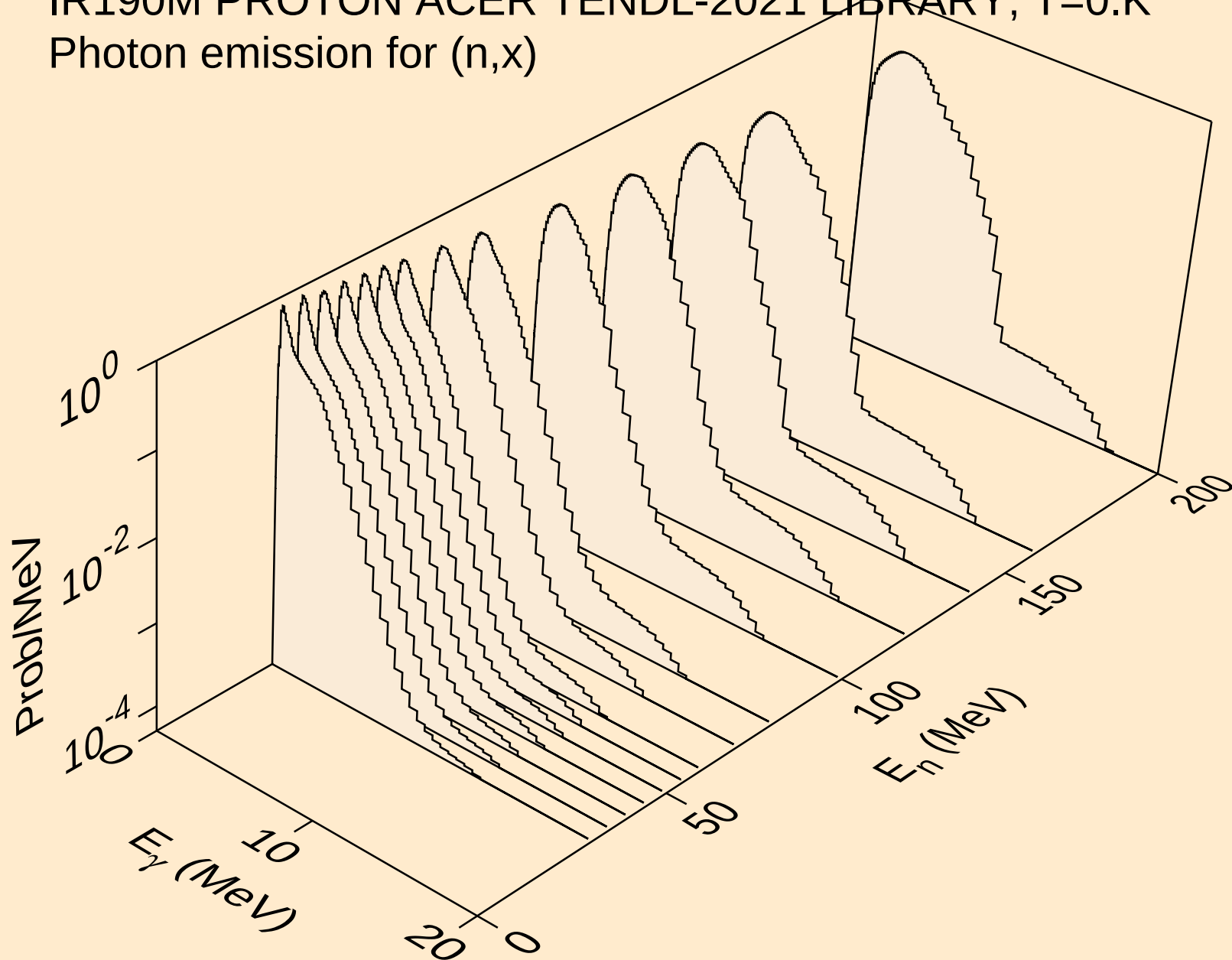
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,pt)



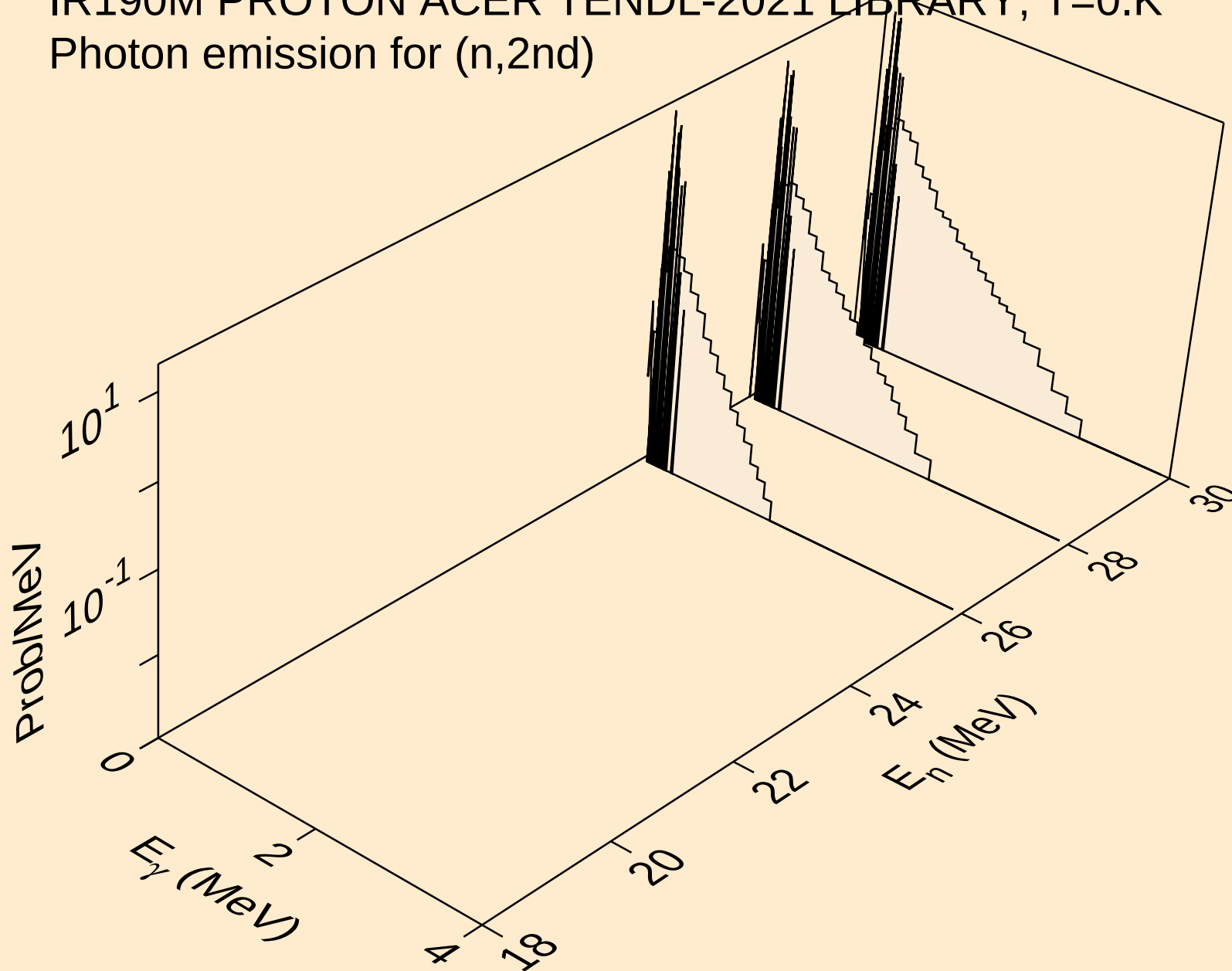
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (z,n)



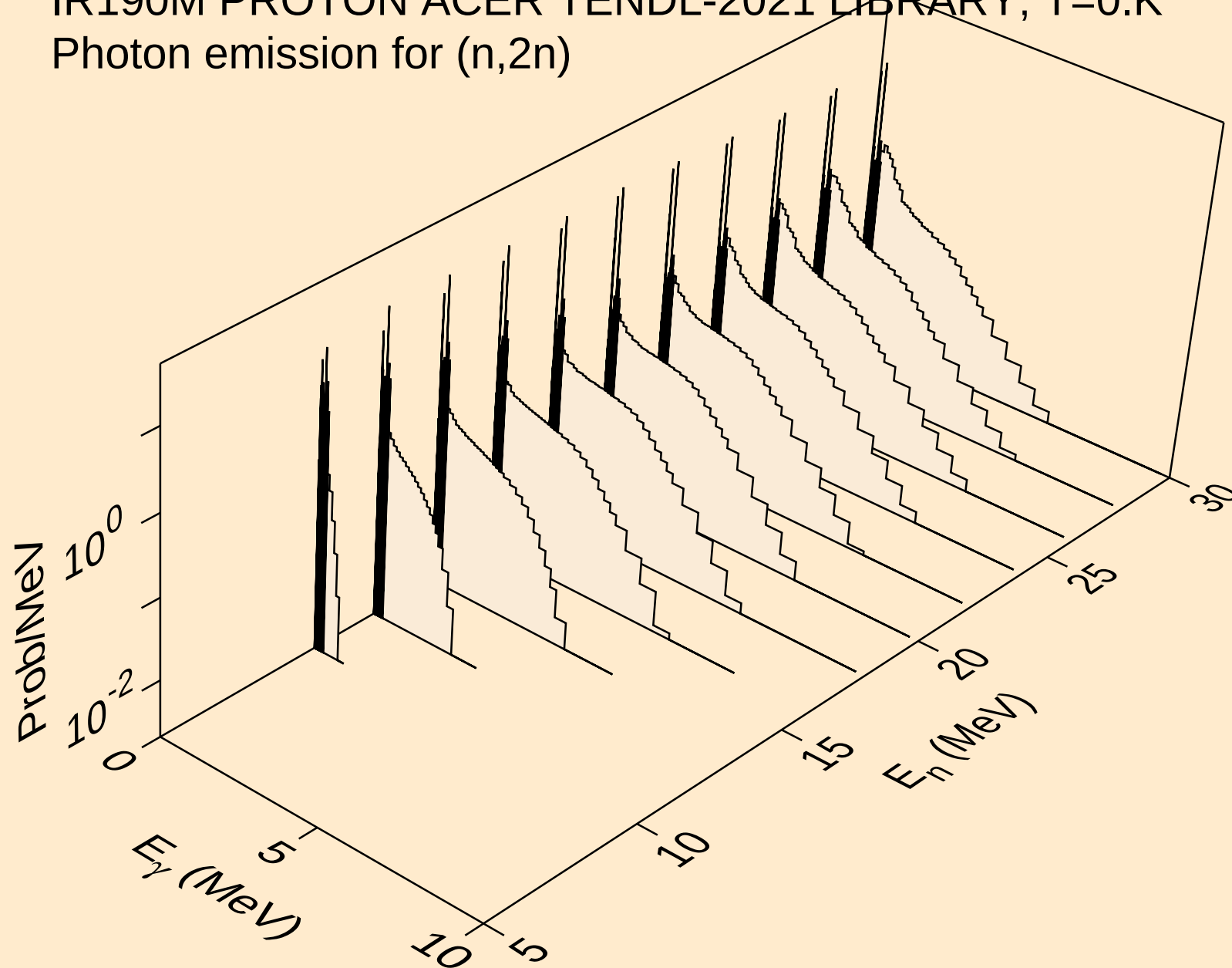
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)

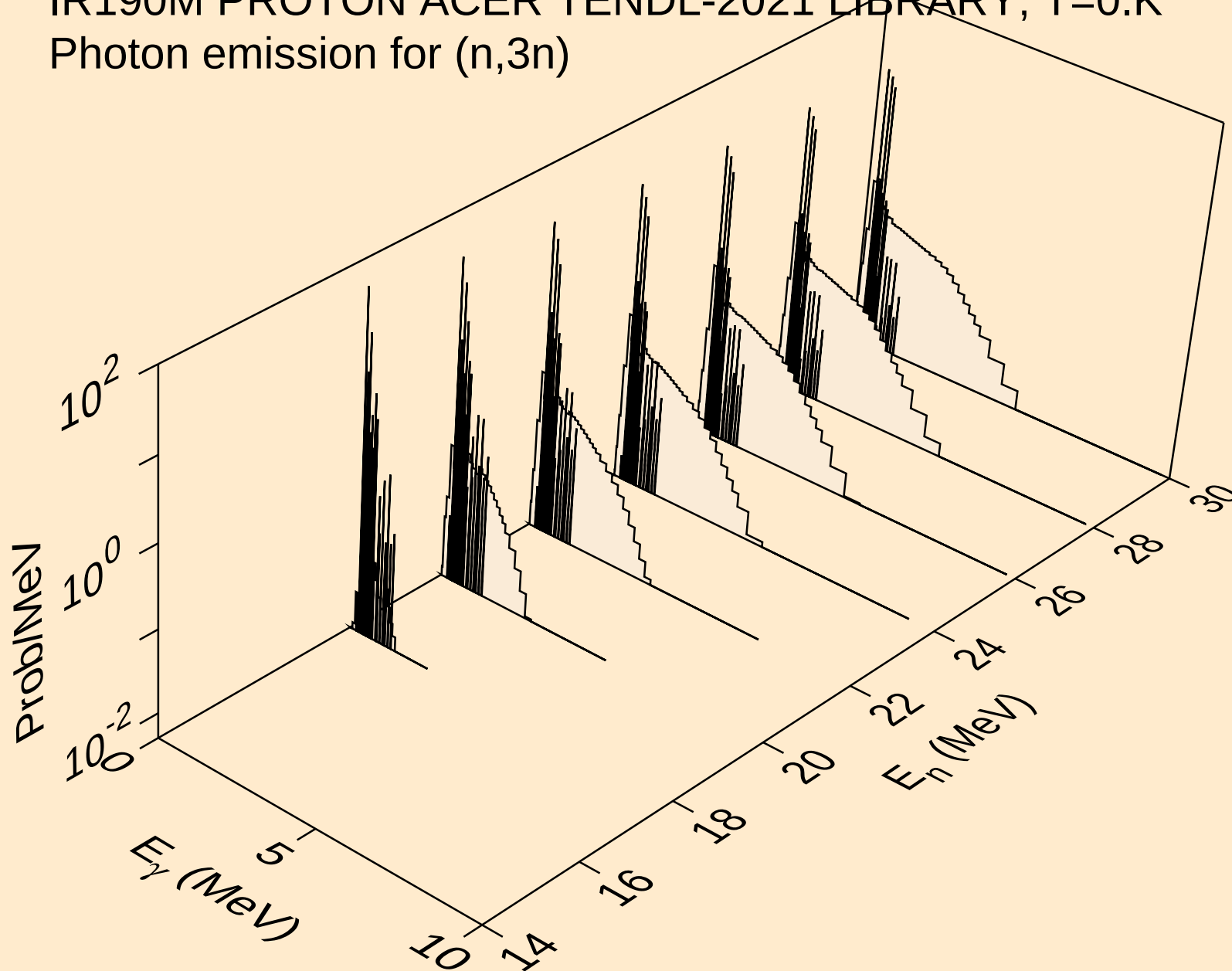


IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2n)

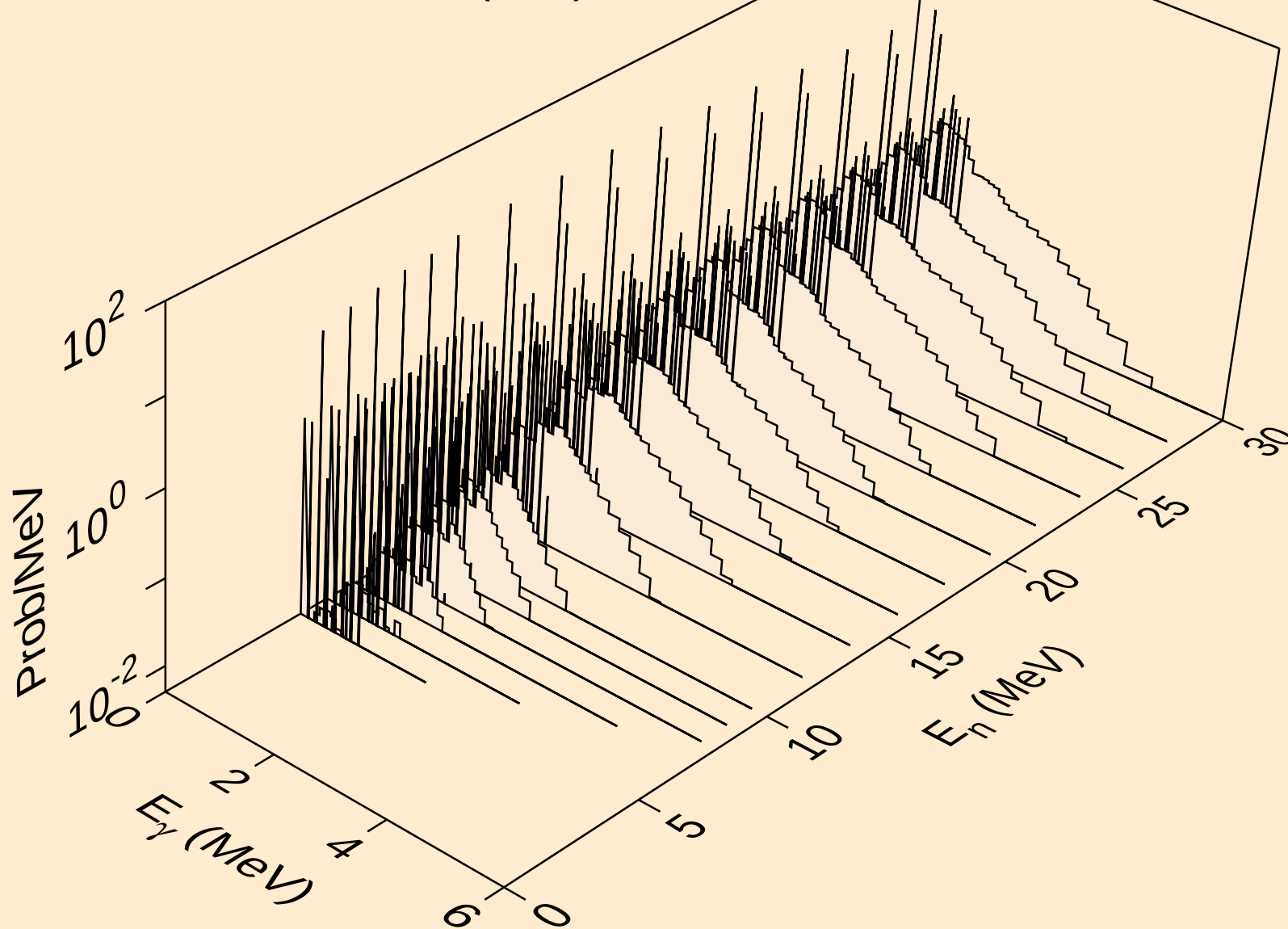




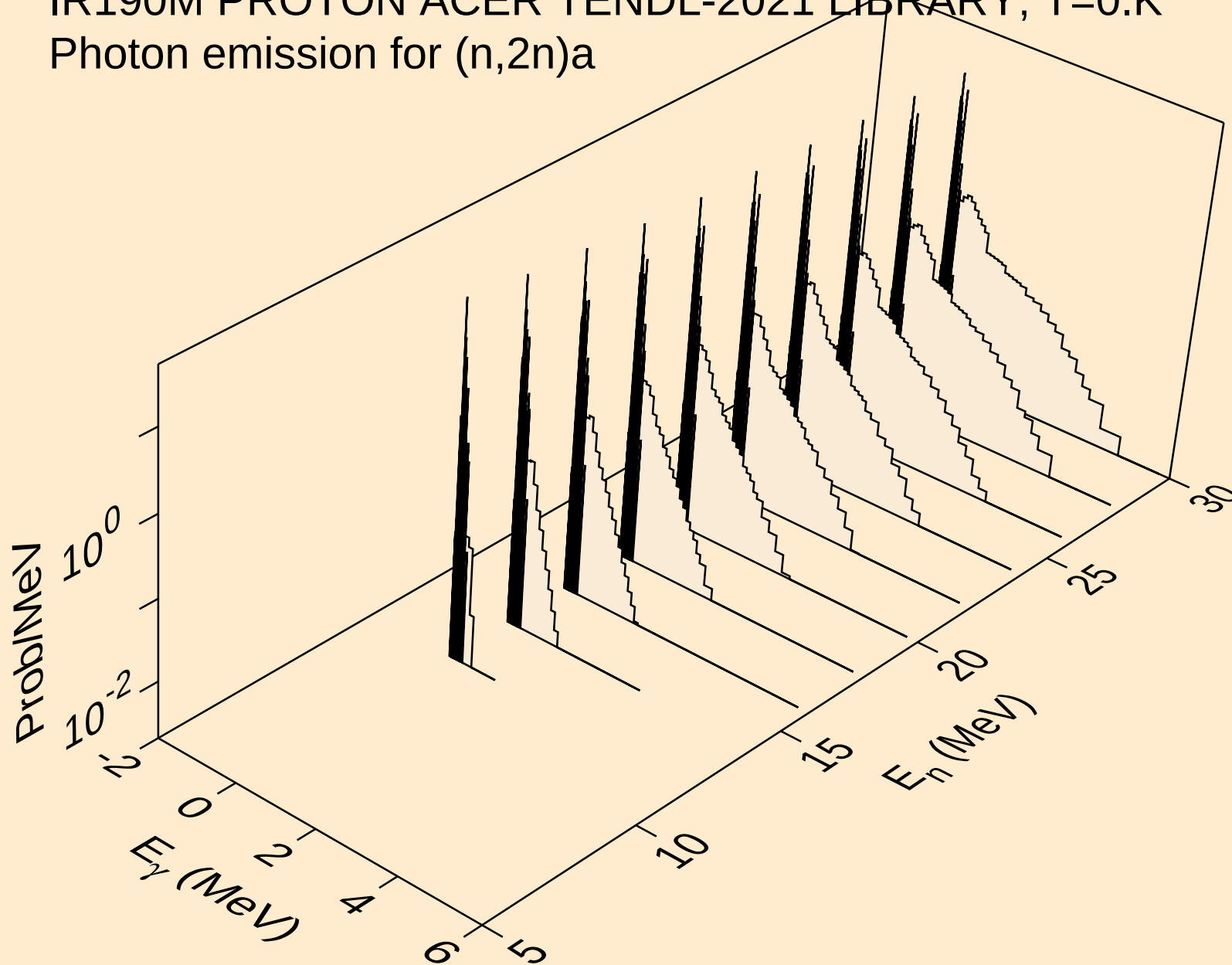
IR190M PROTON ACER TENDL-2021 LIBRARY;  $T=0.K$   
Photon emission for (n,3n)



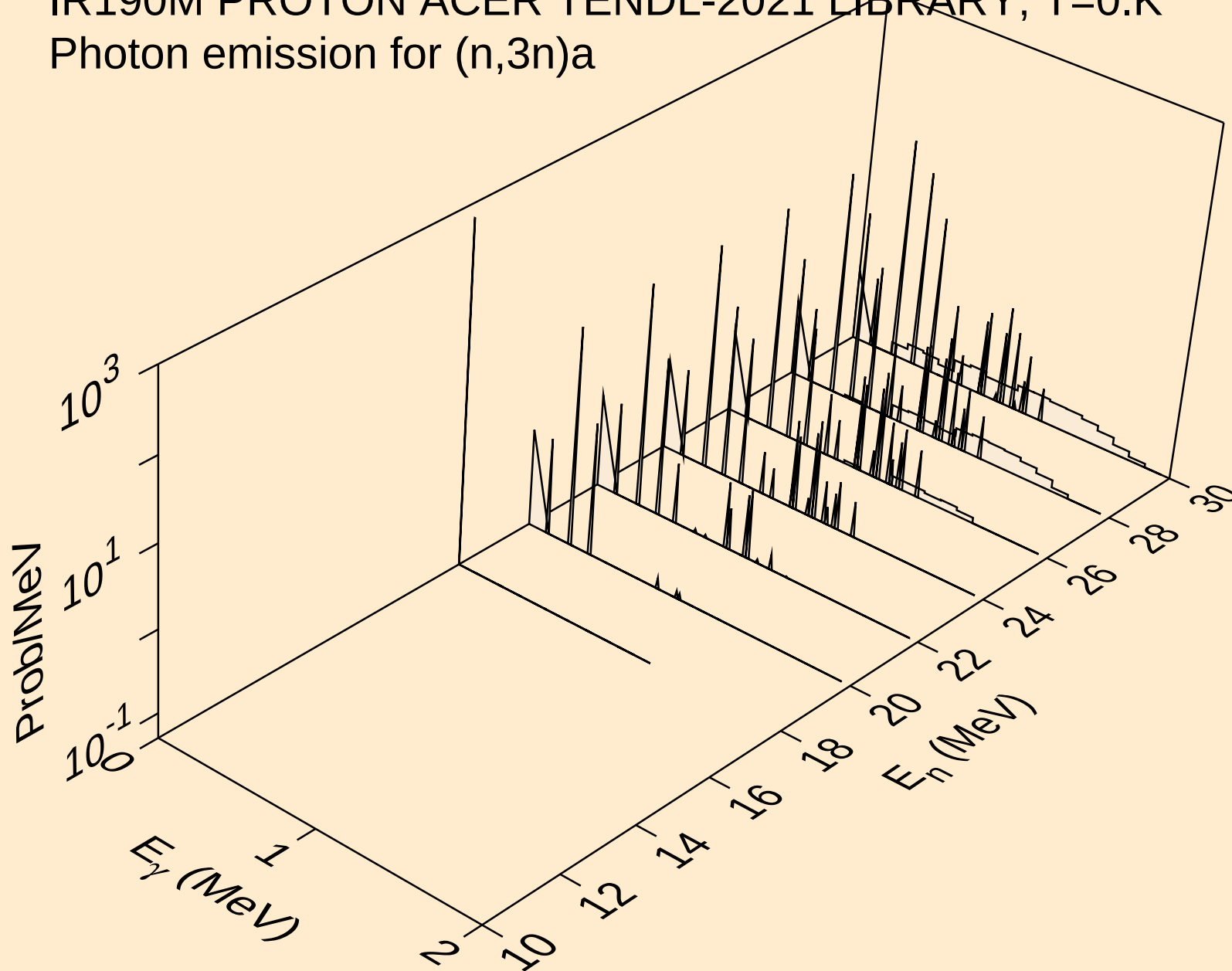
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



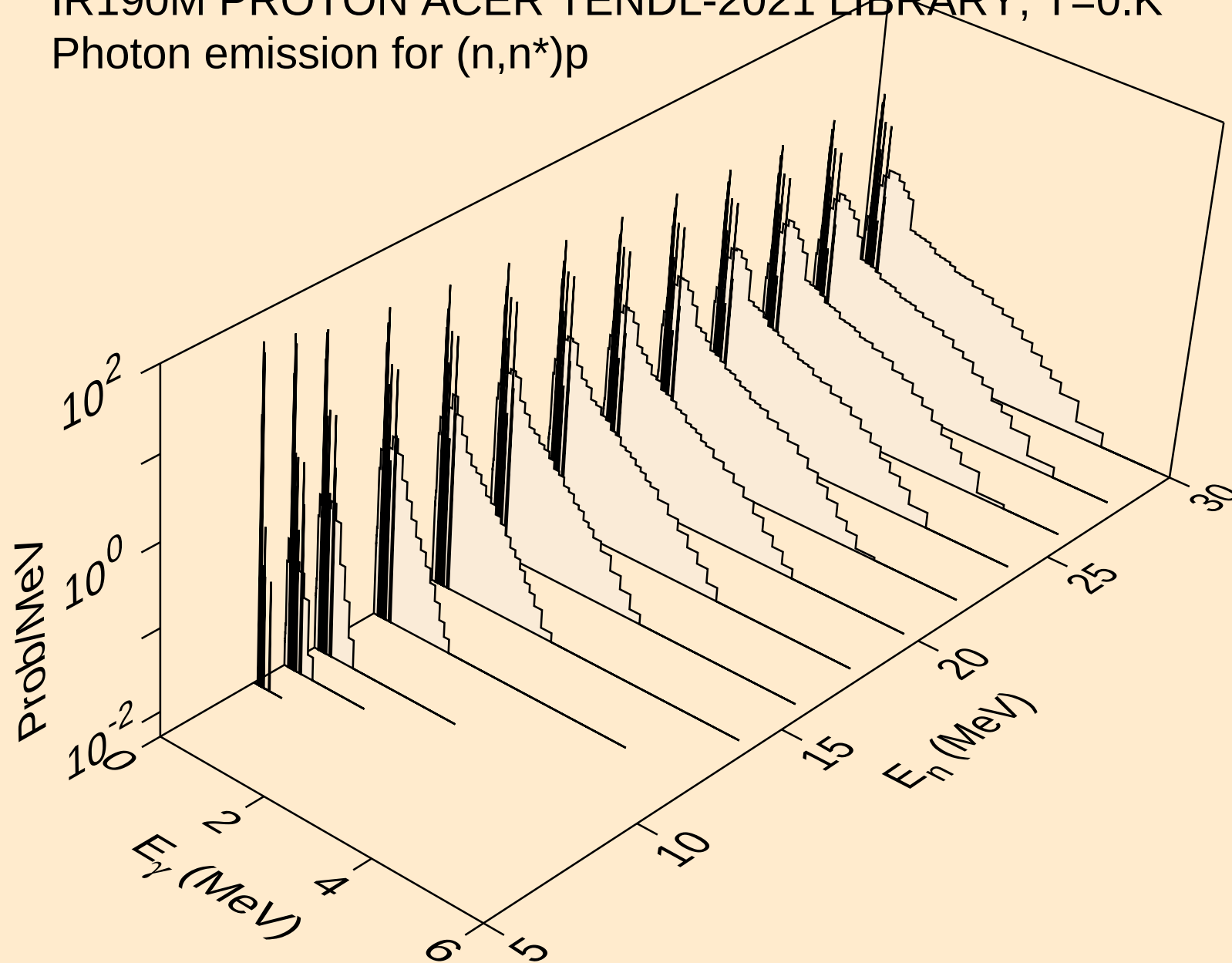
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Photon emission for (n,2n) $\alpha$



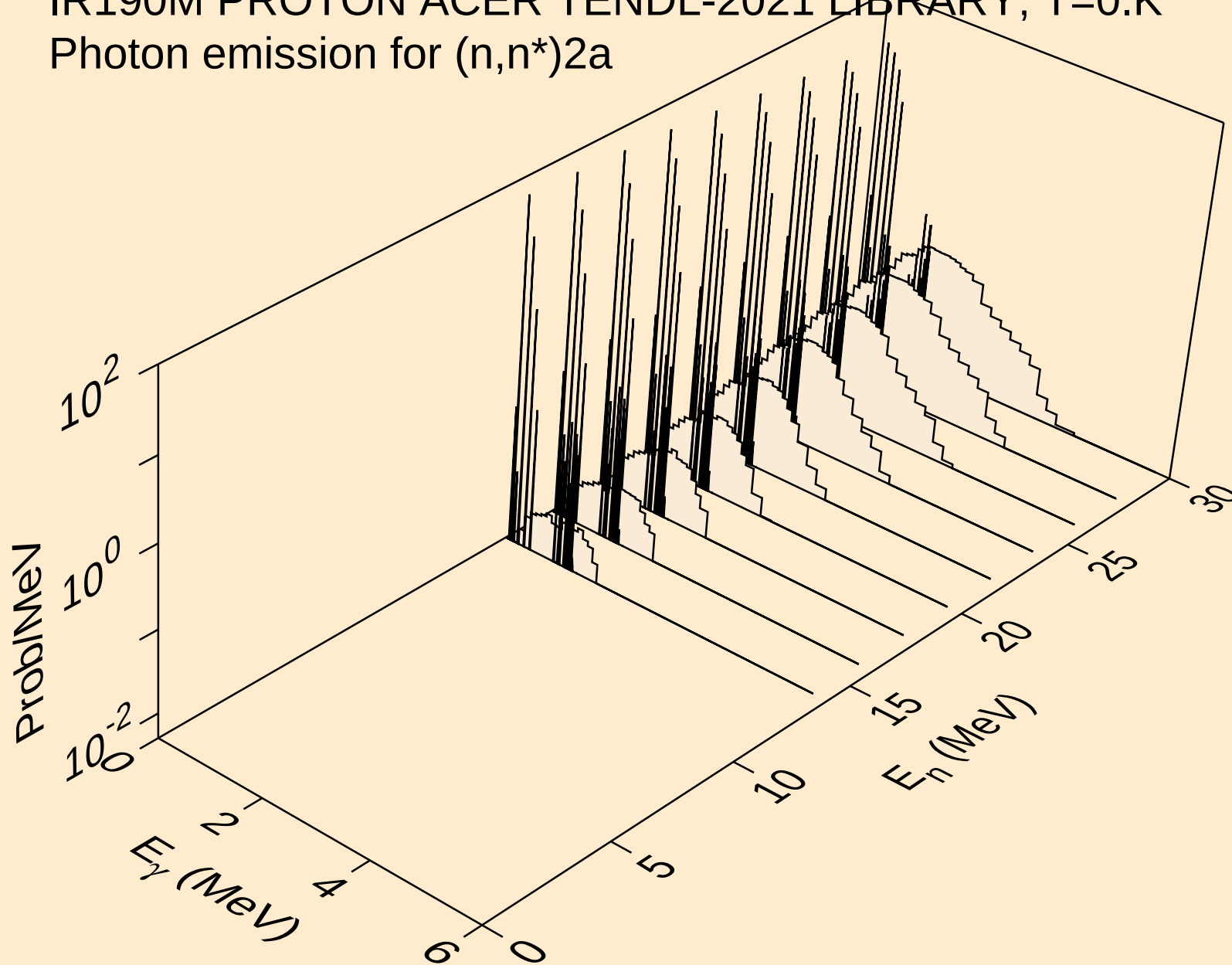
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Photon emission for  $(n,3n)\alpha$



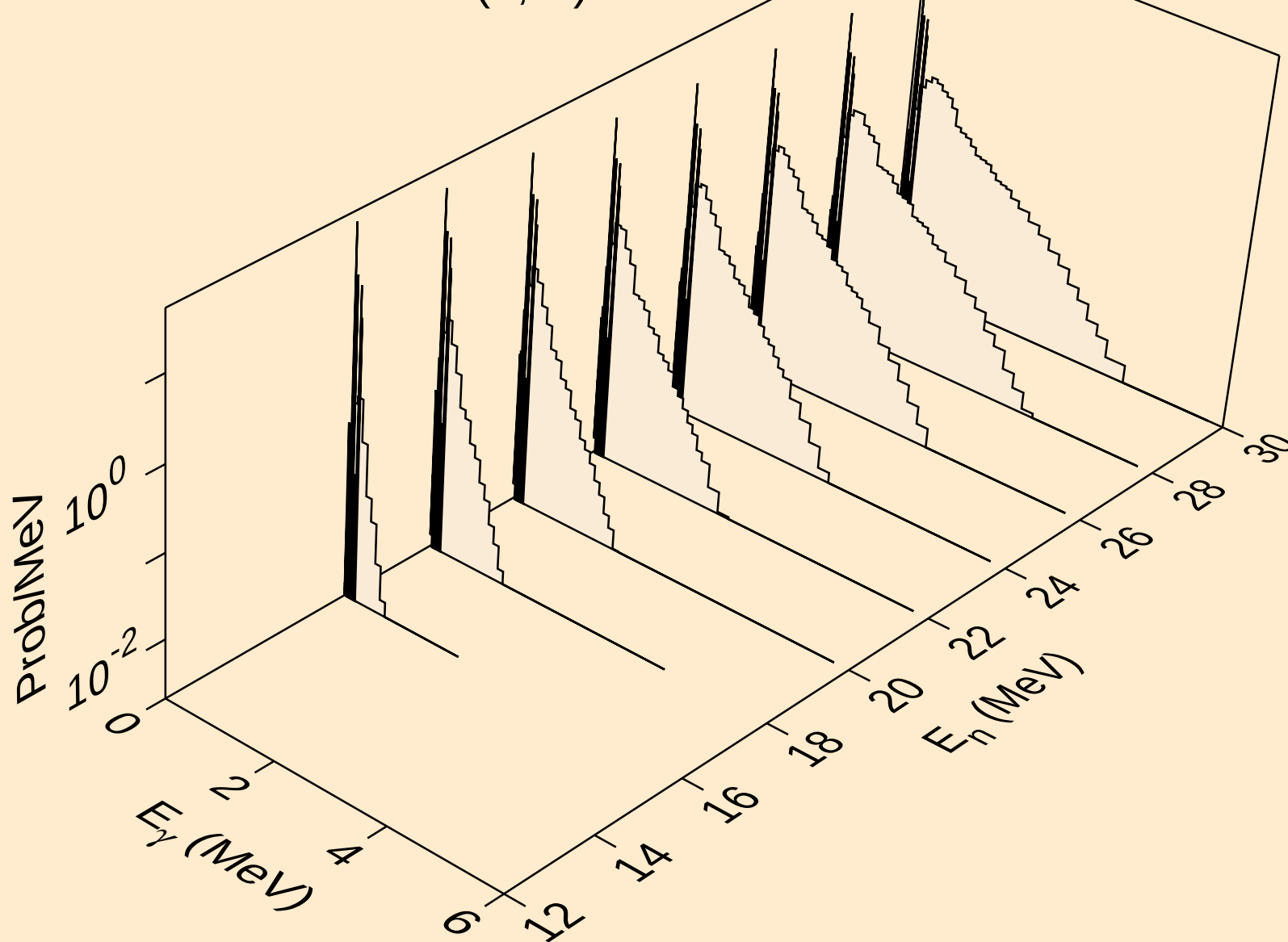
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



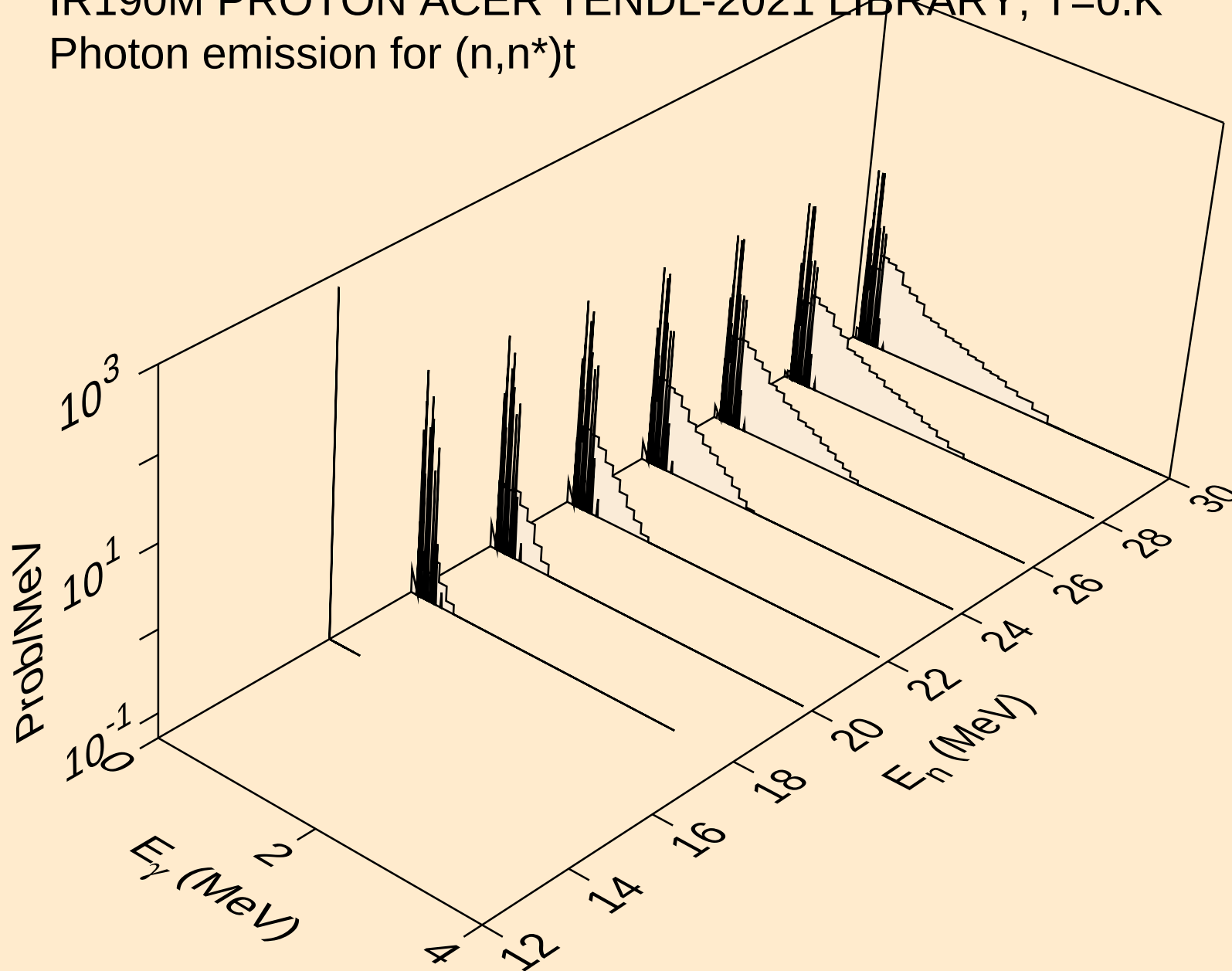
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

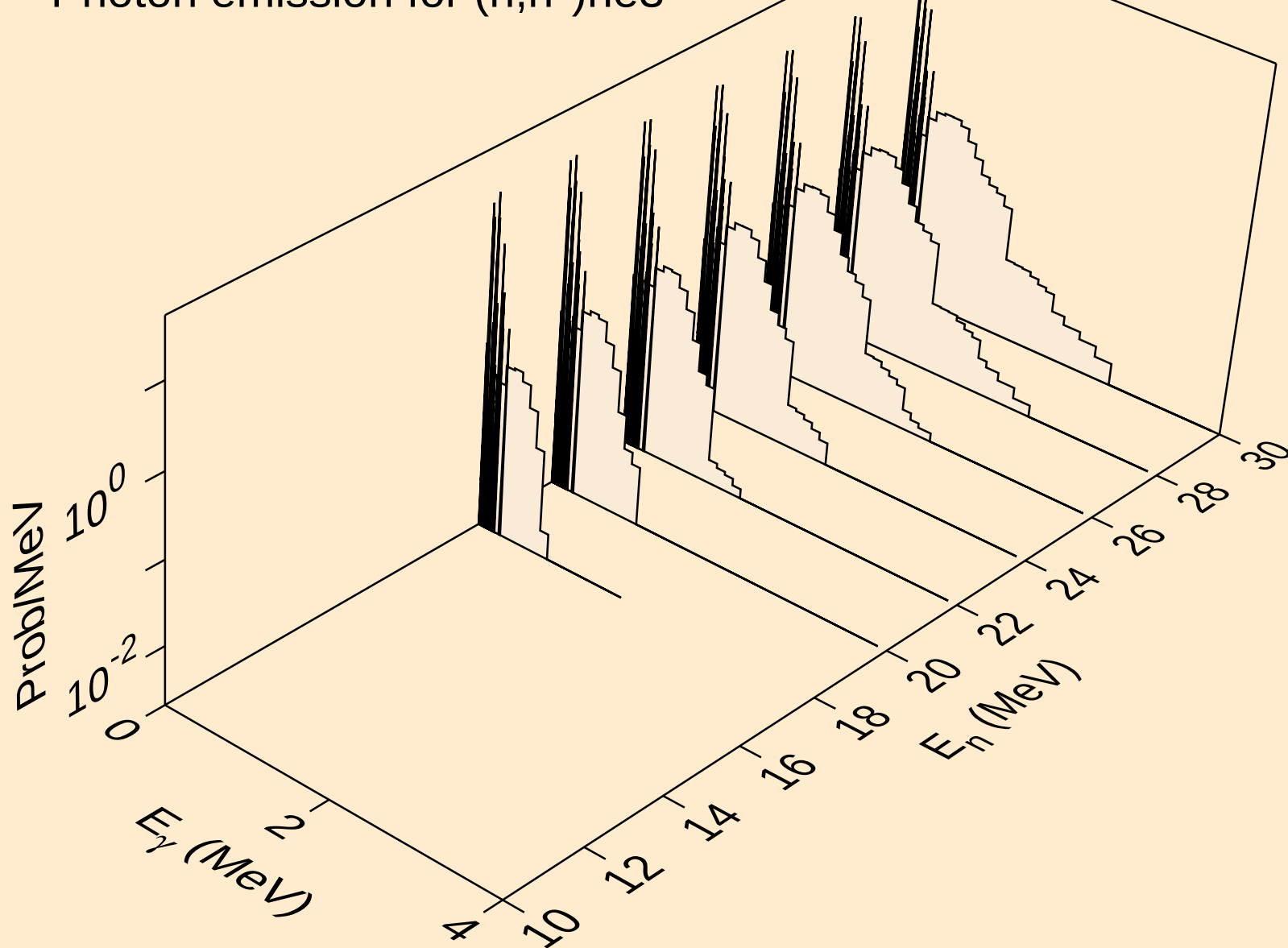


IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

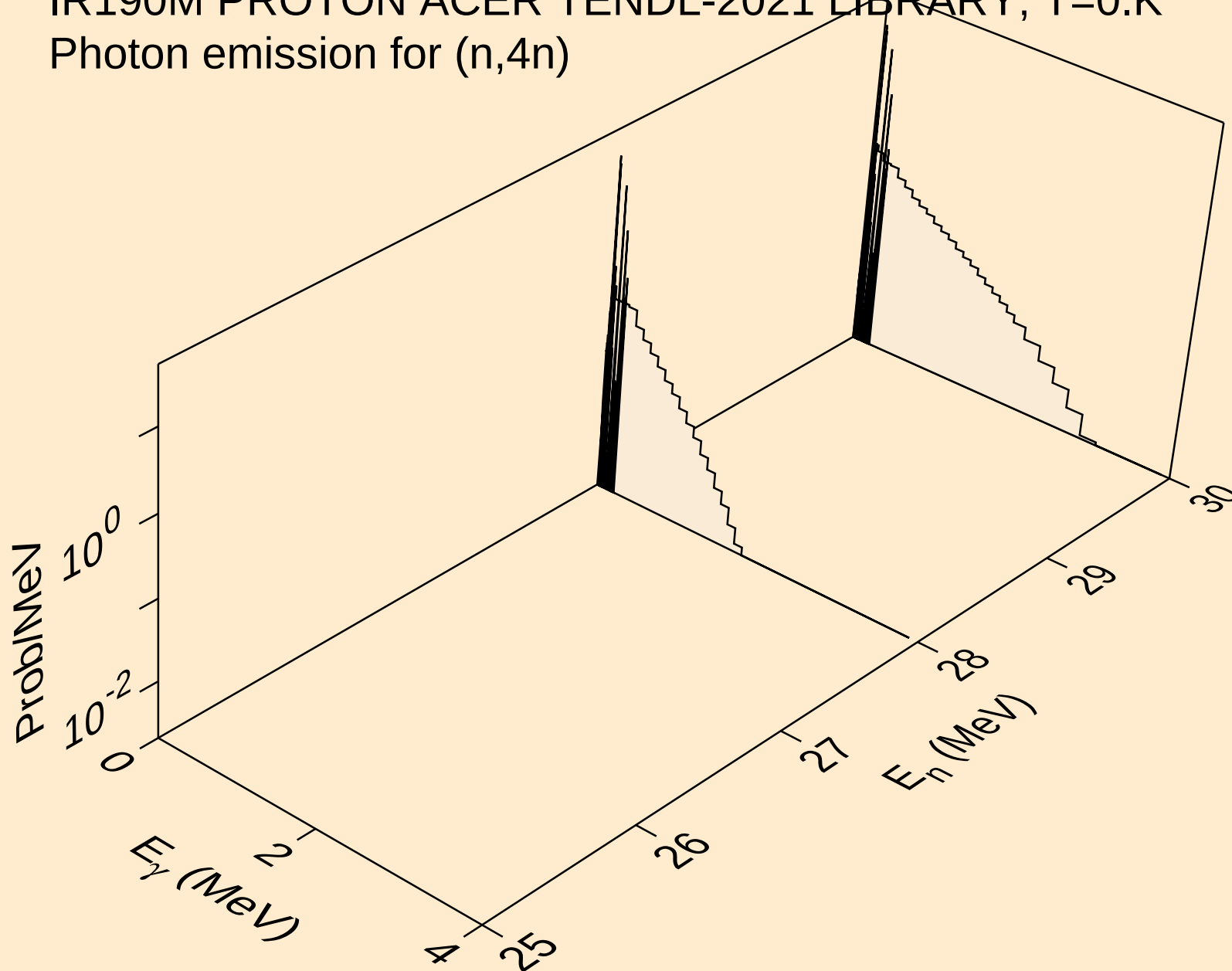




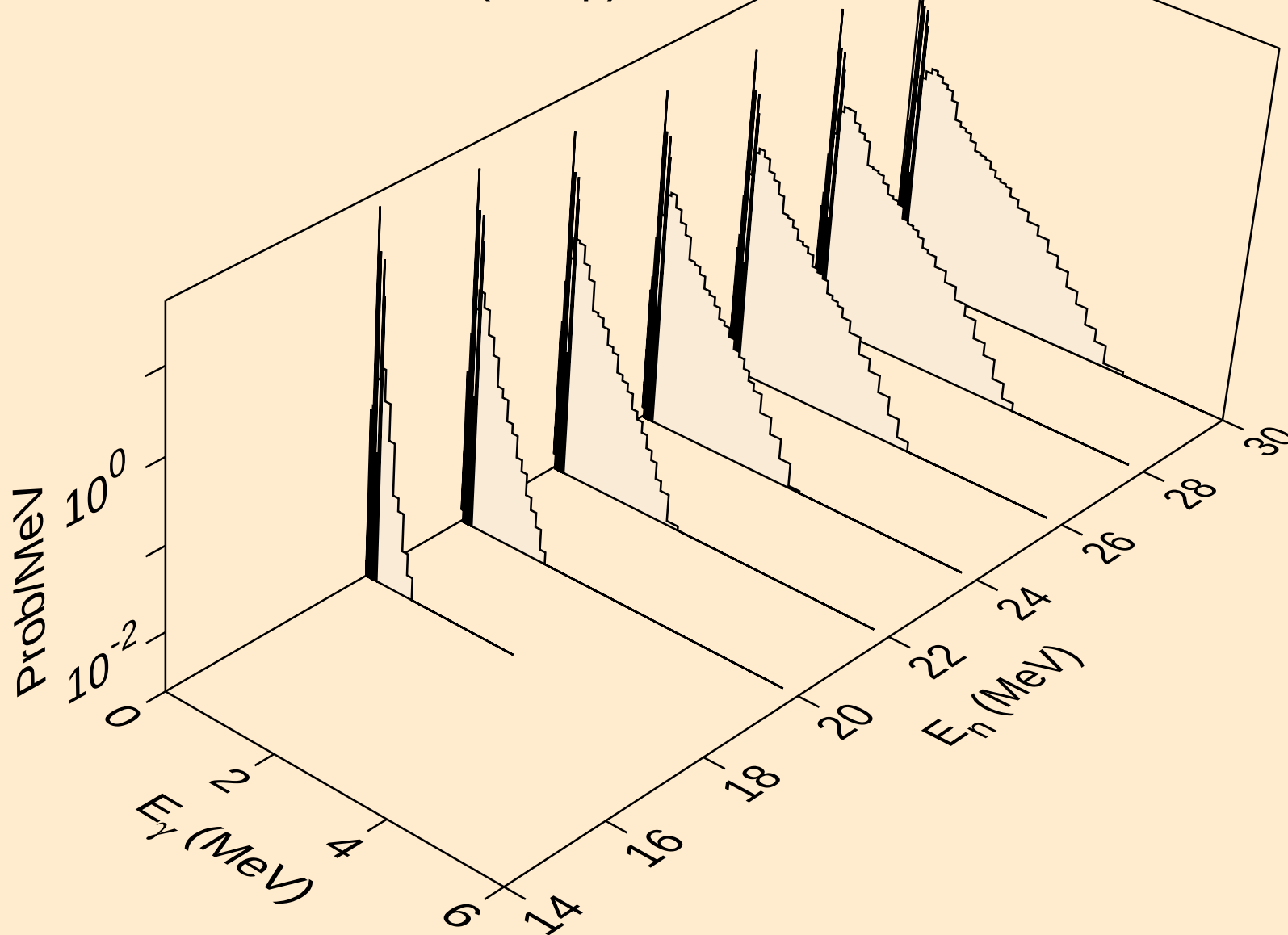
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



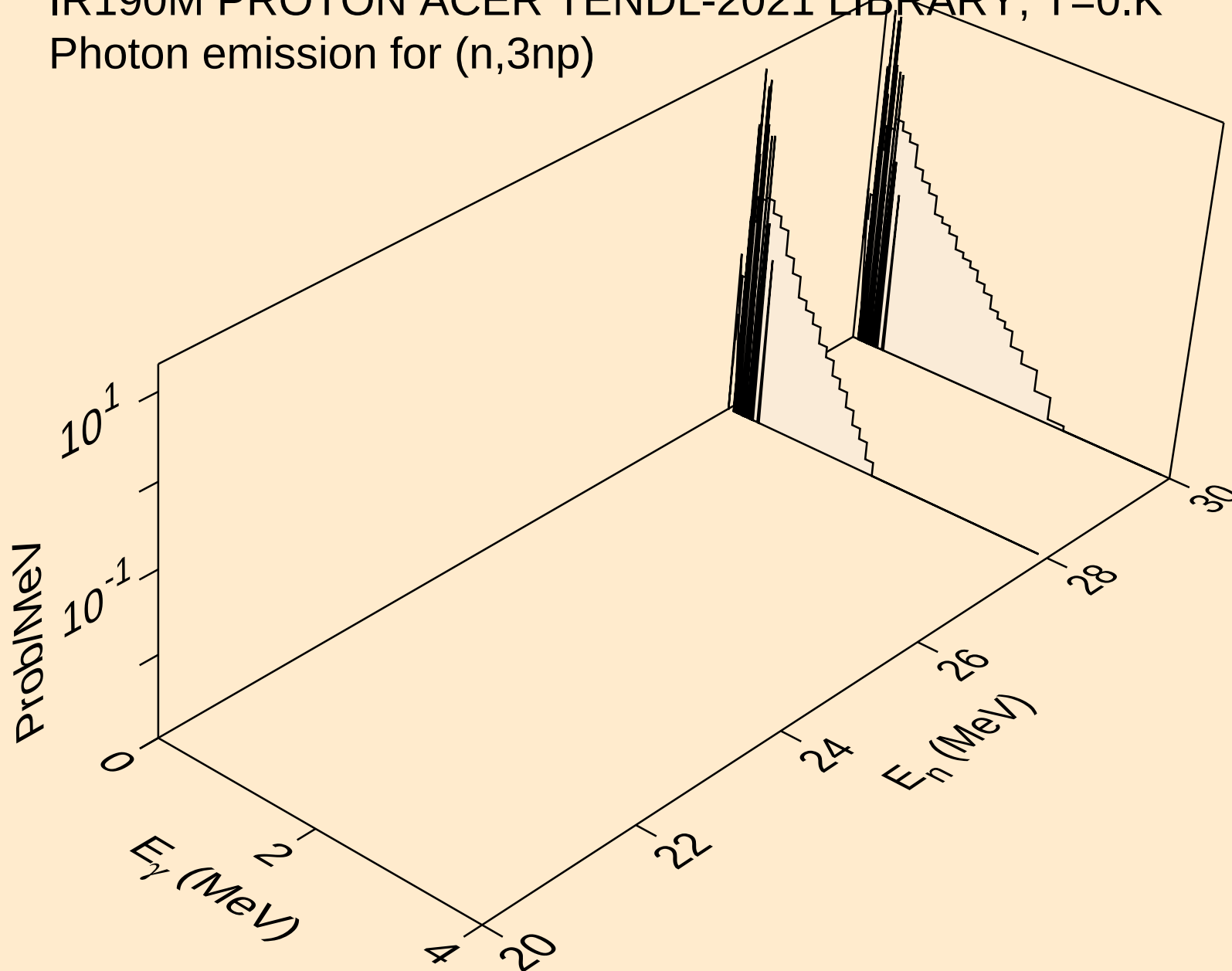
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,4n)



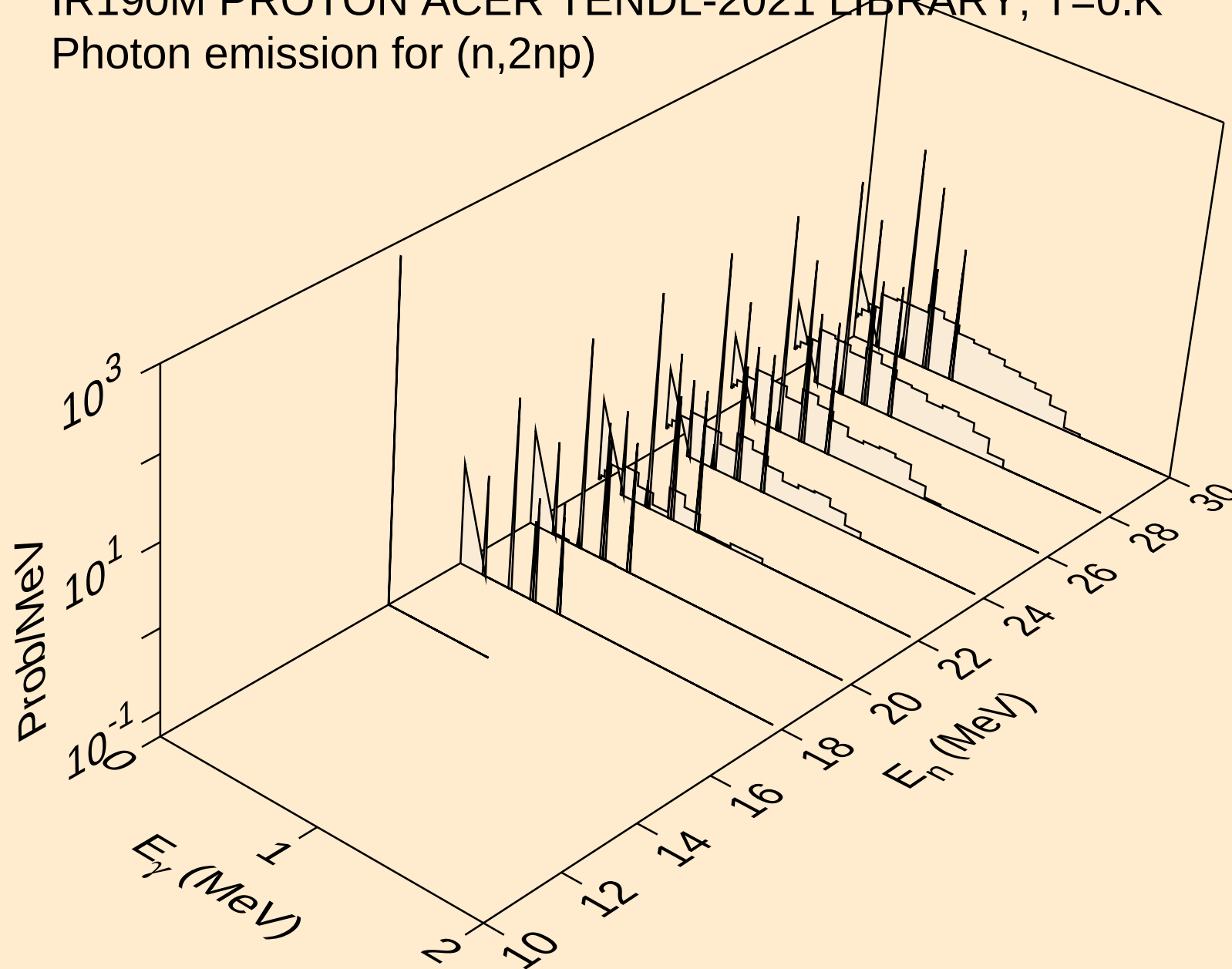
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Photon emission for (n,2np)



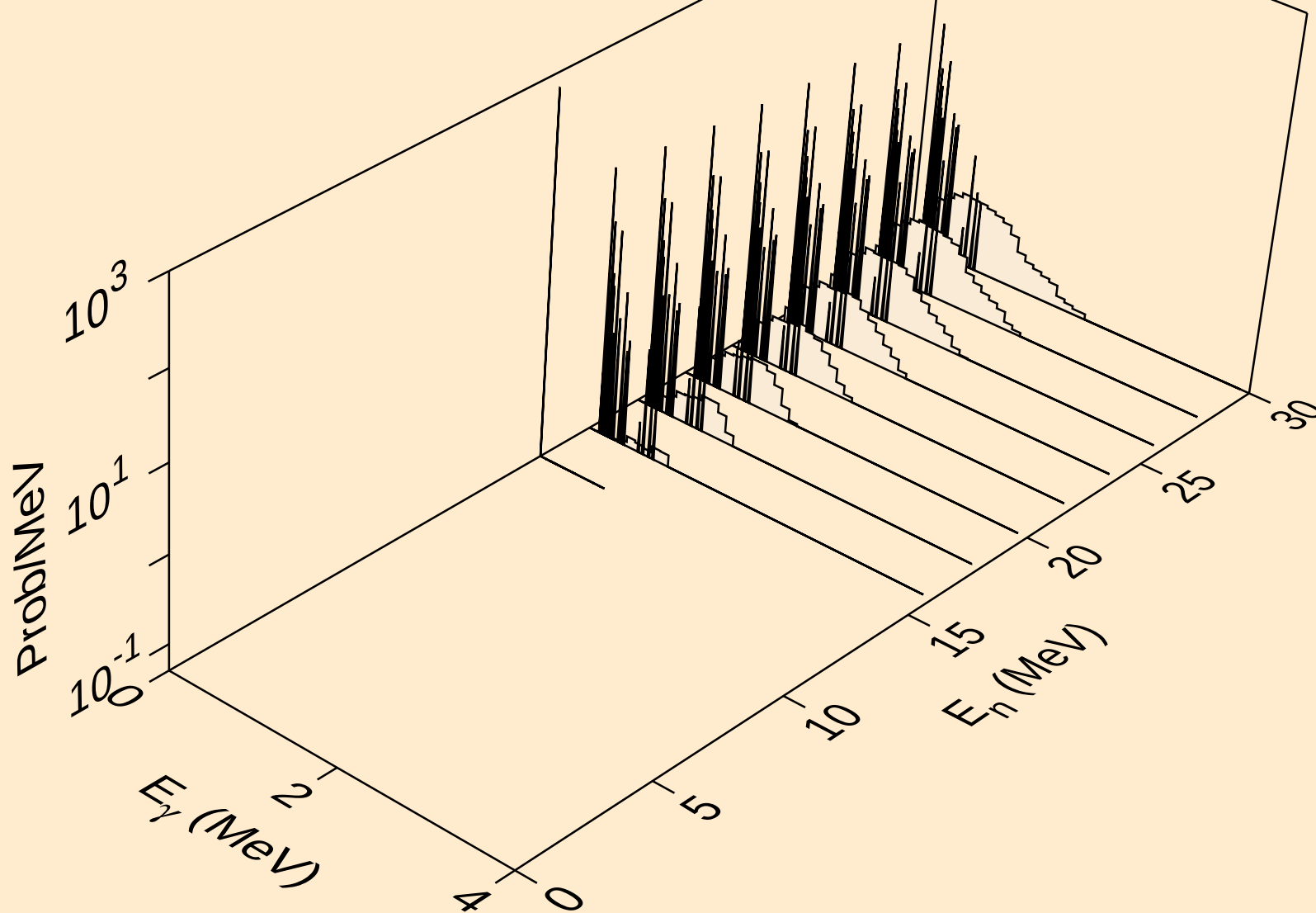
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Photon emission for (n,3np)



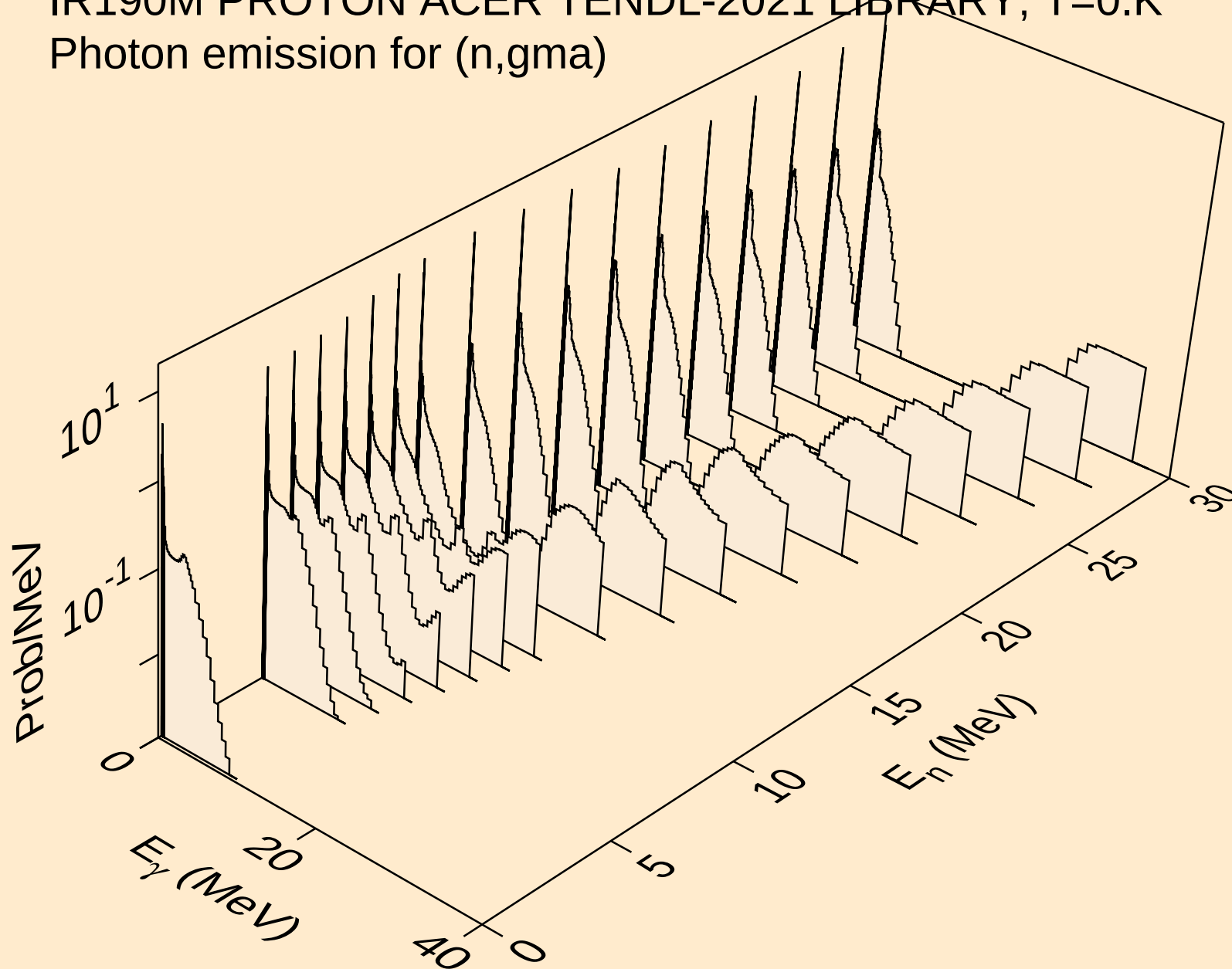
IR190M PROTON ACER TENDL-2021 LIBRARY;  $T=0.K$   
Photon emission for (n,2np)



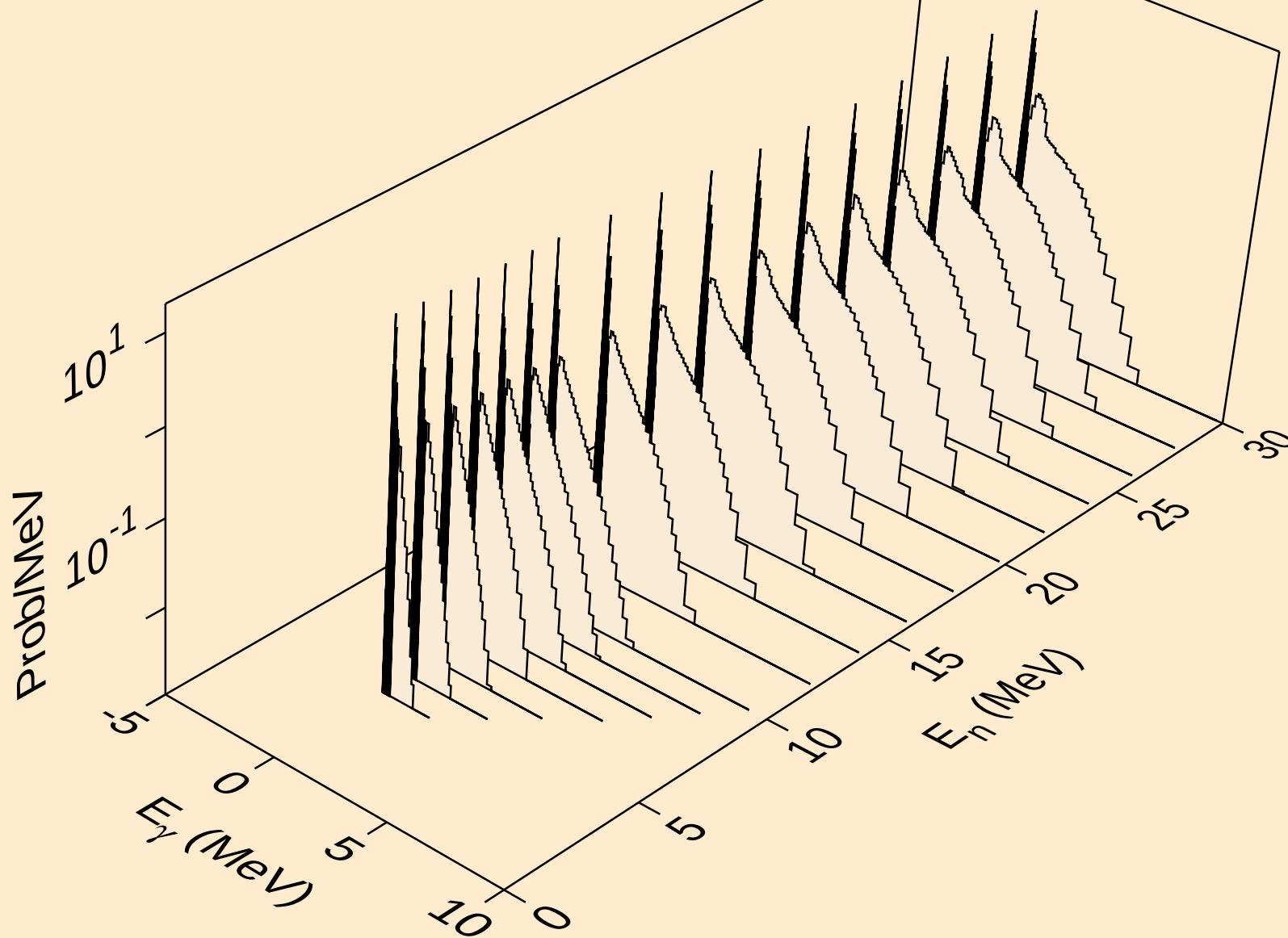
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,npa)



IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,gma)

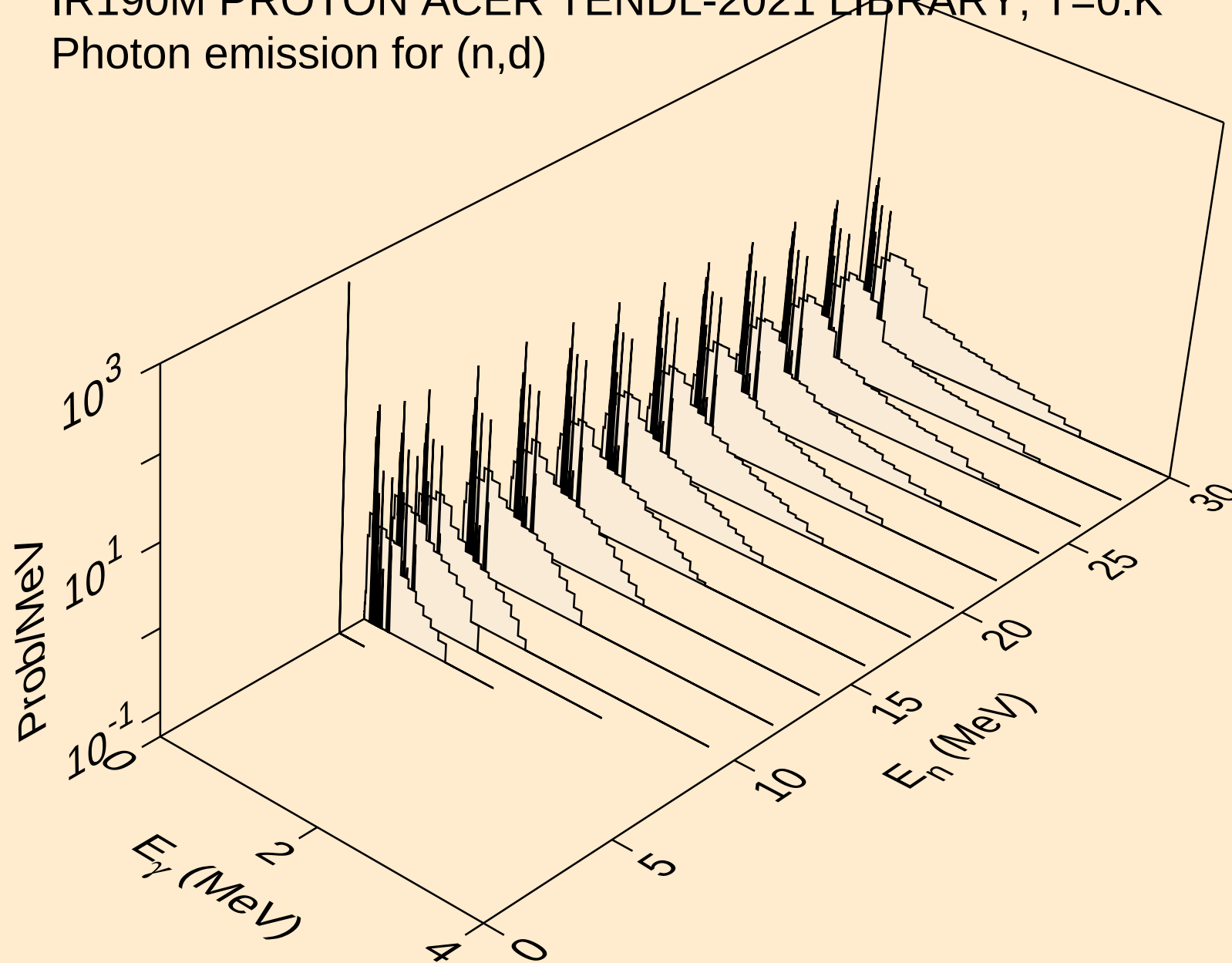


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Photon emission for inelastic

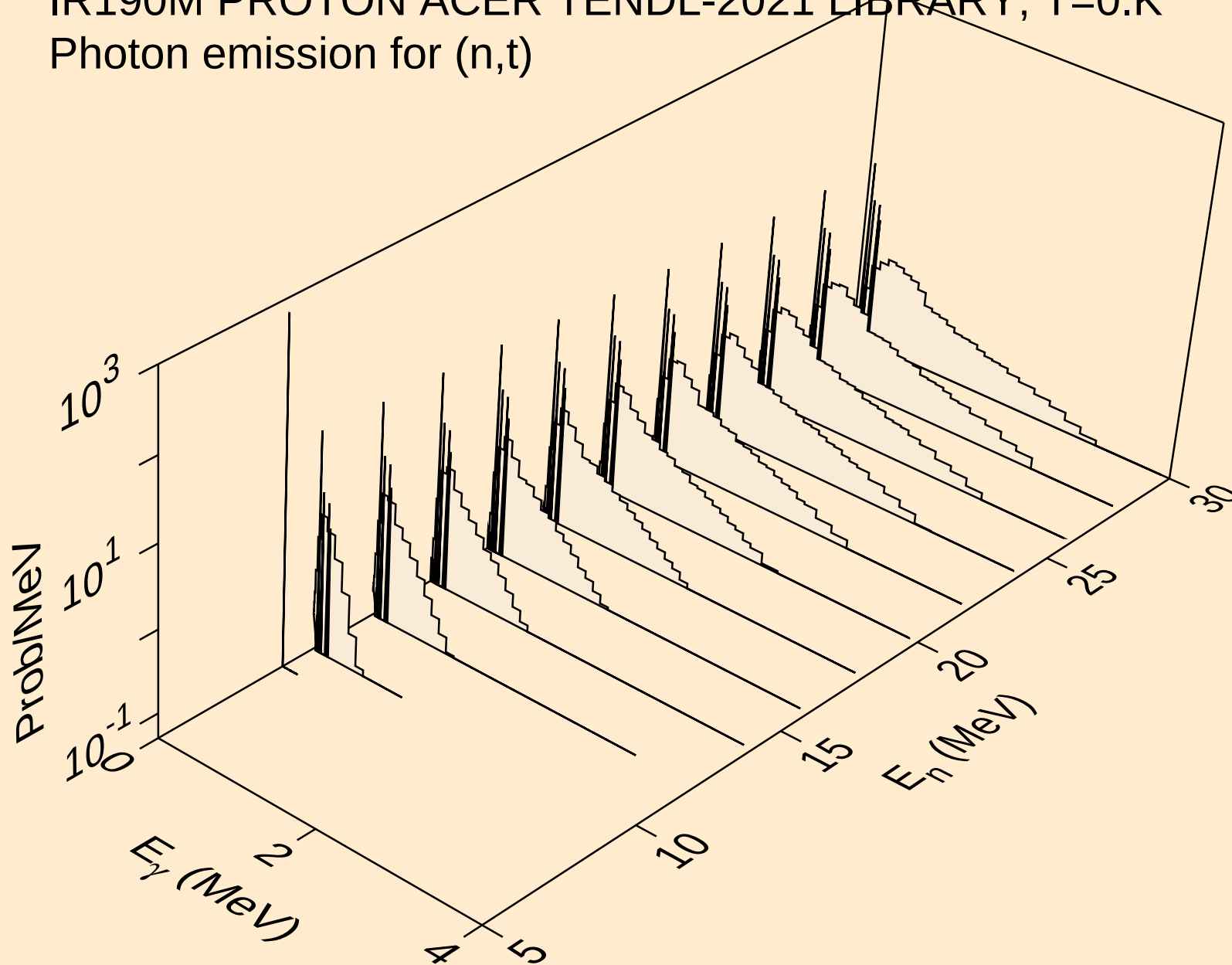




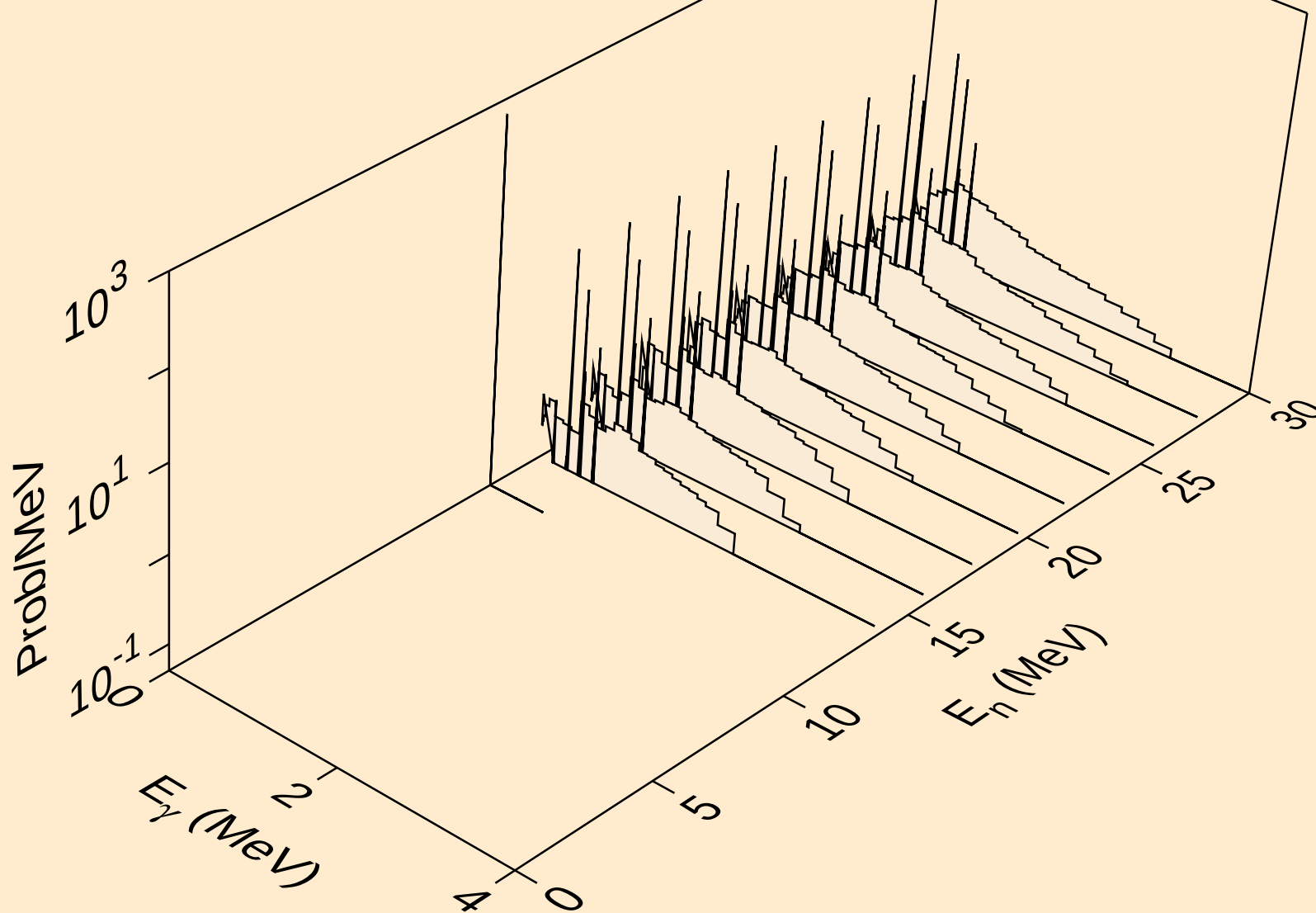
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Photon emission for (n,d)



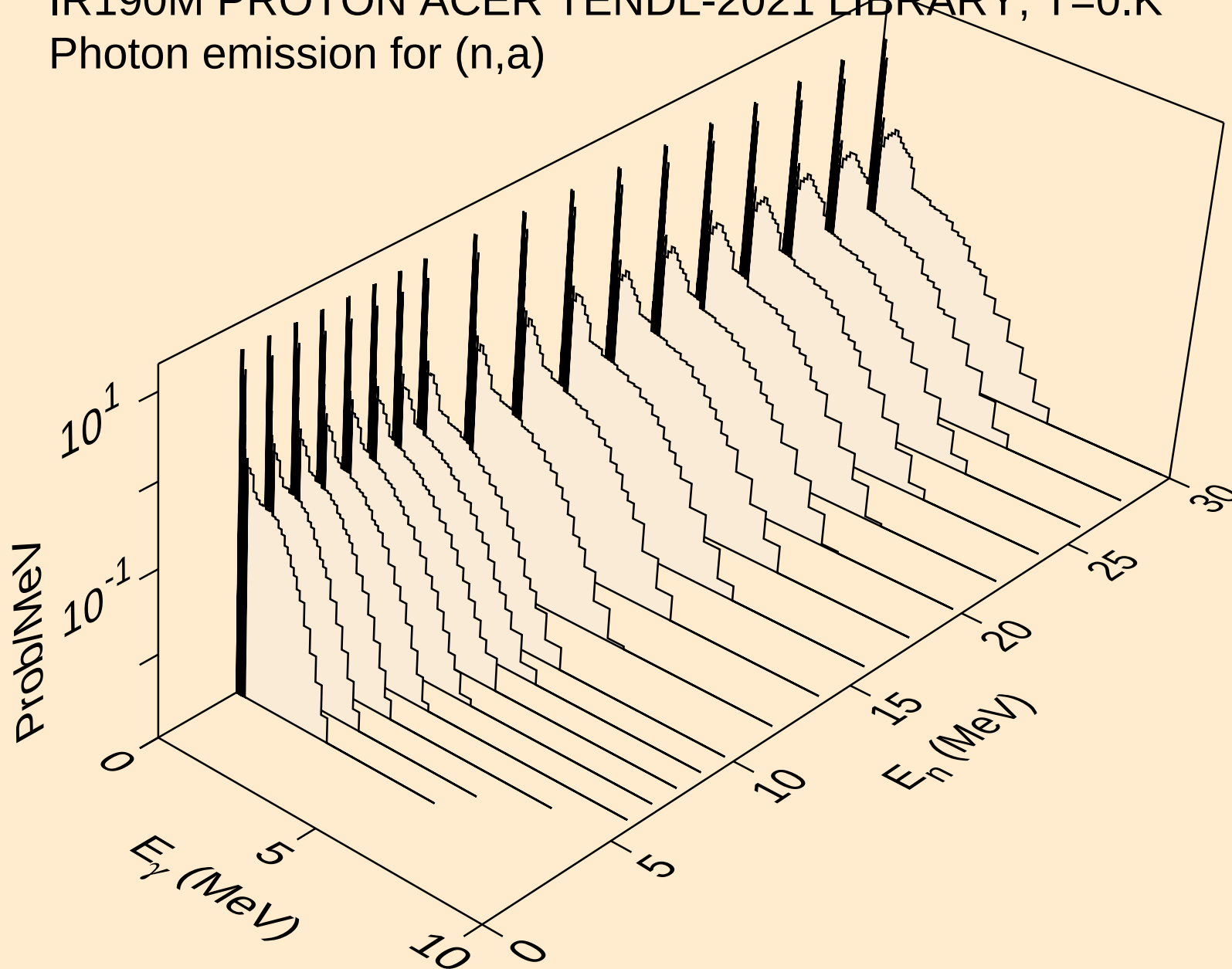
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Photon emission for (n,t)



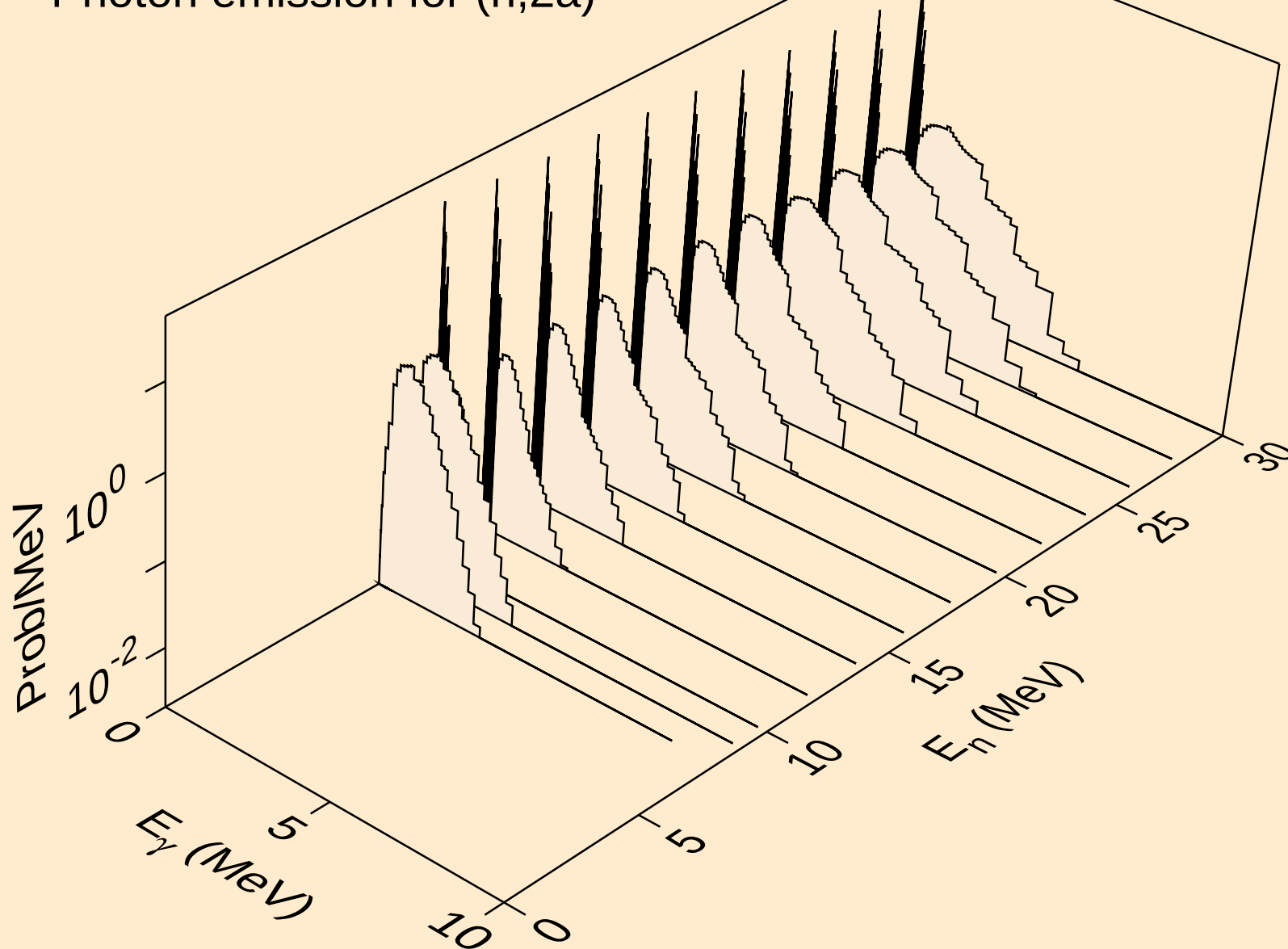
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Photon emission for (n,he3)



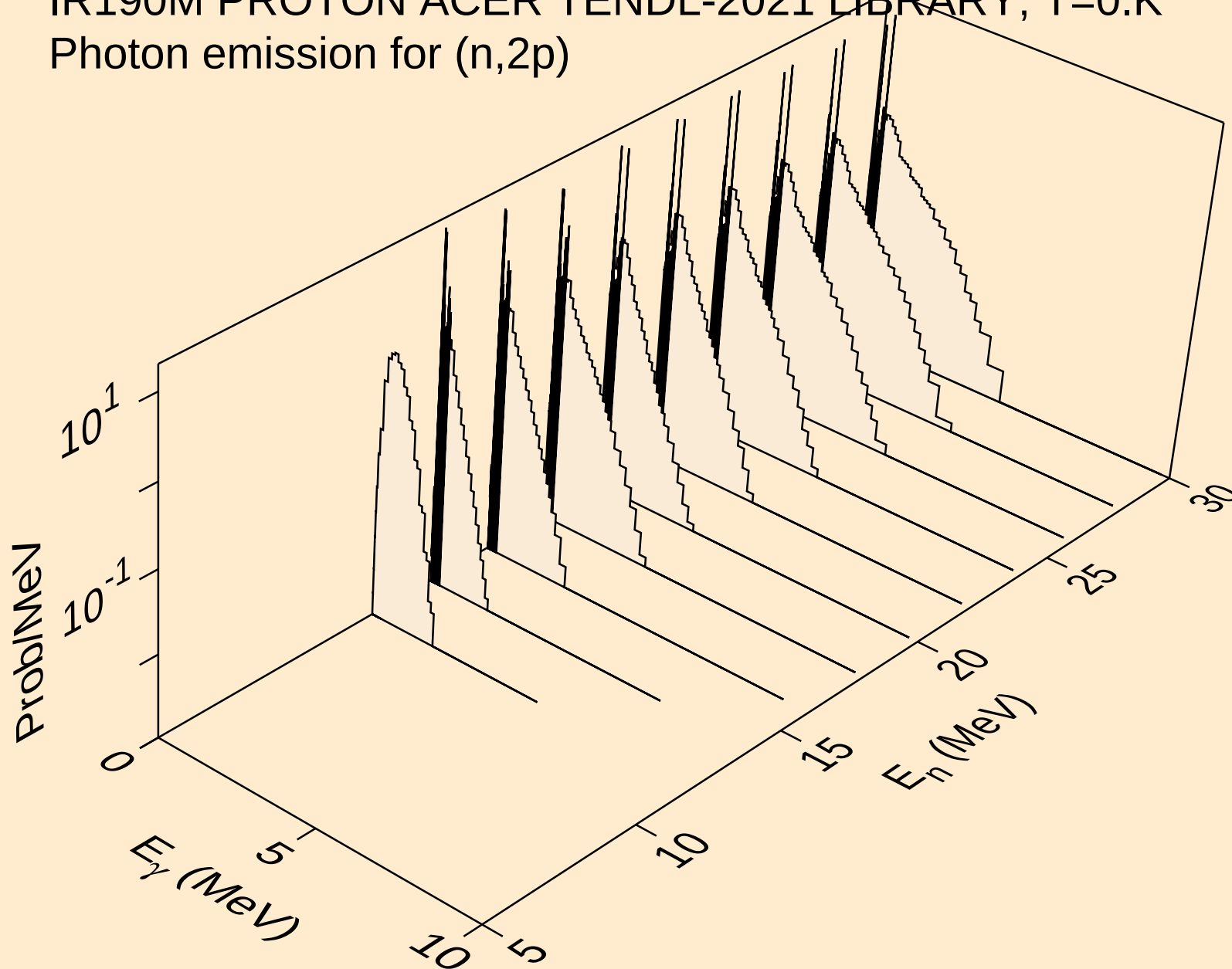
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Photon emission for (n,a)



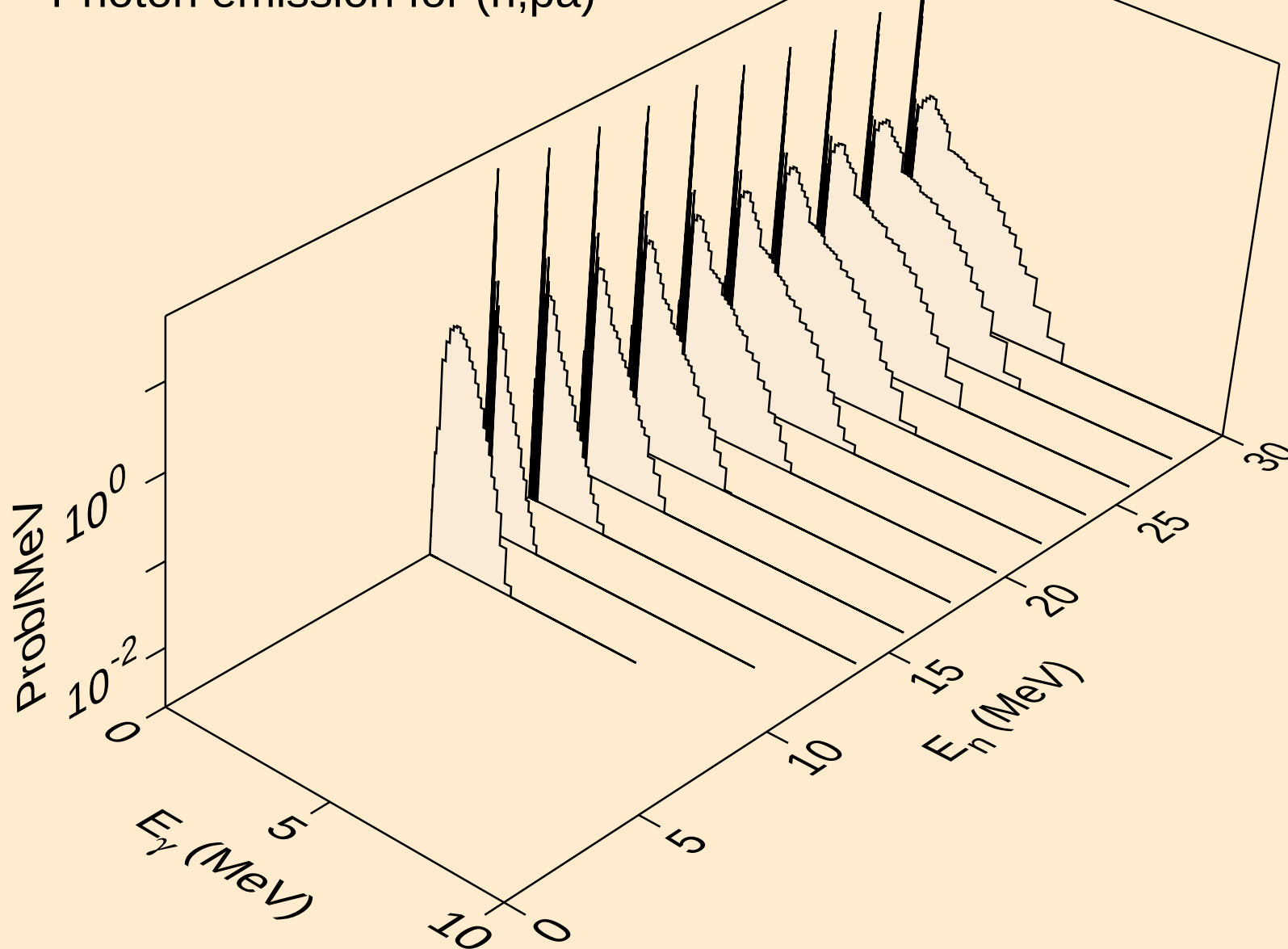
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Photon emission for (n,2a)



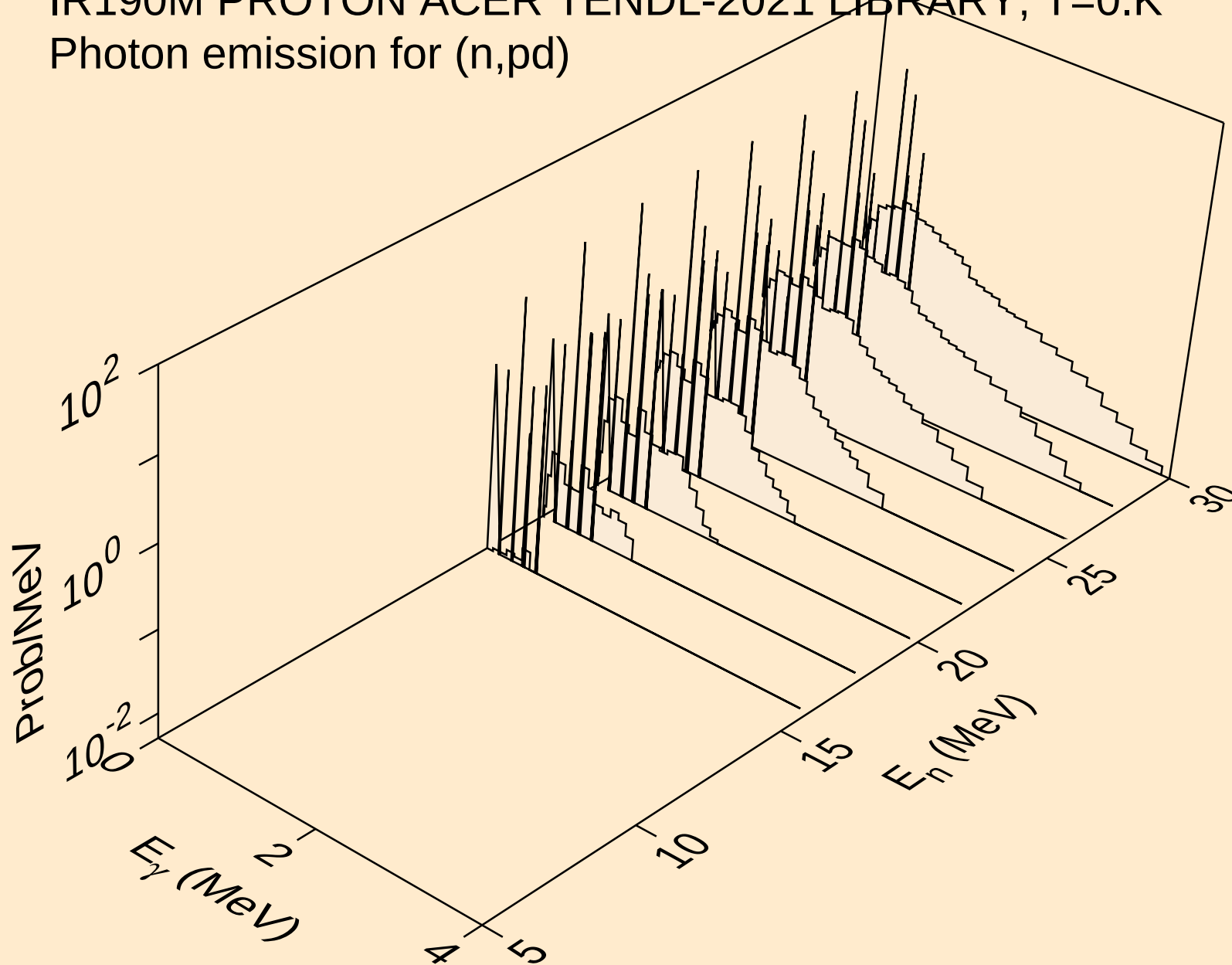
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2p)



IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pa)

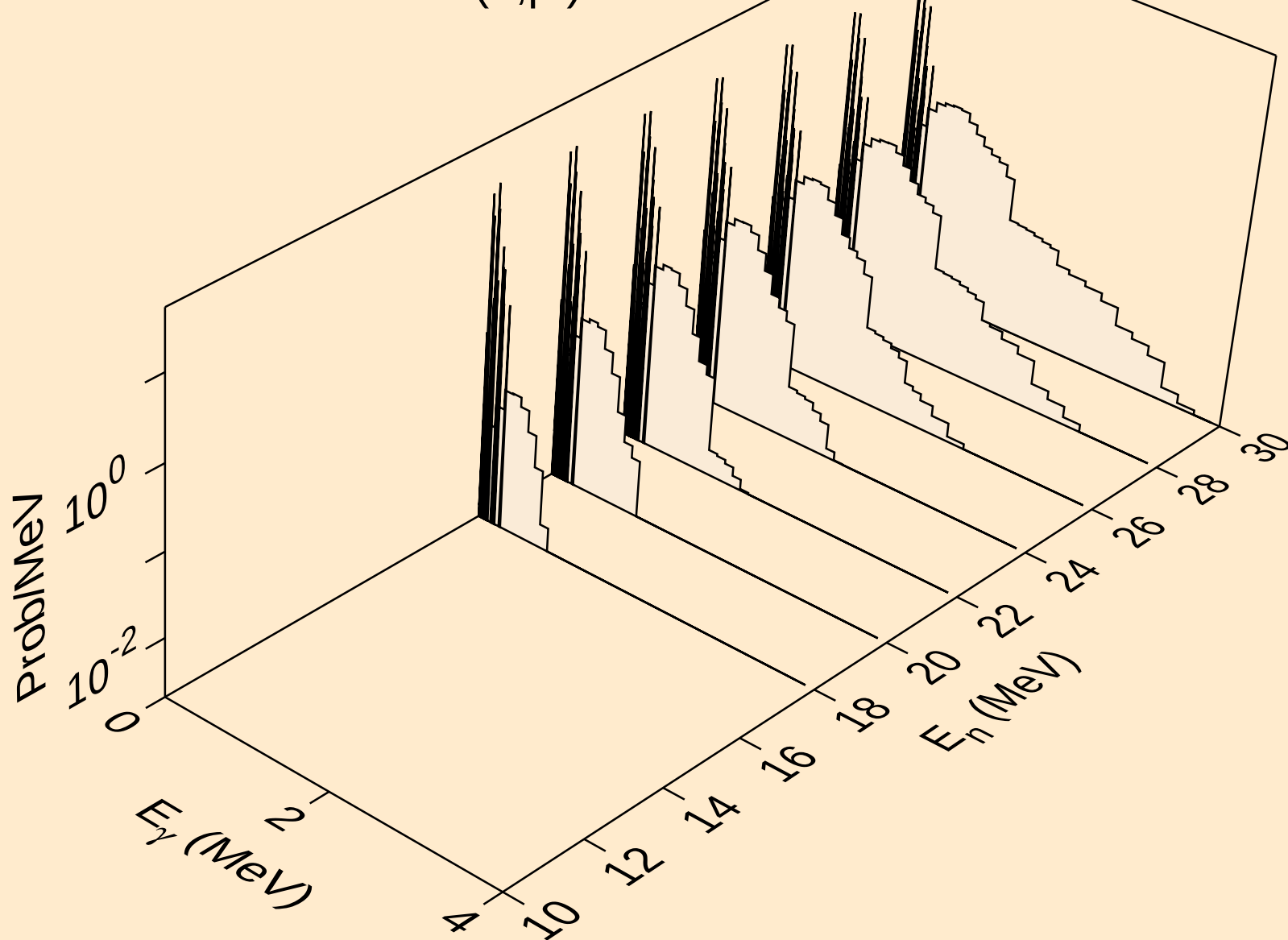


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Photon emission for (n,pd)

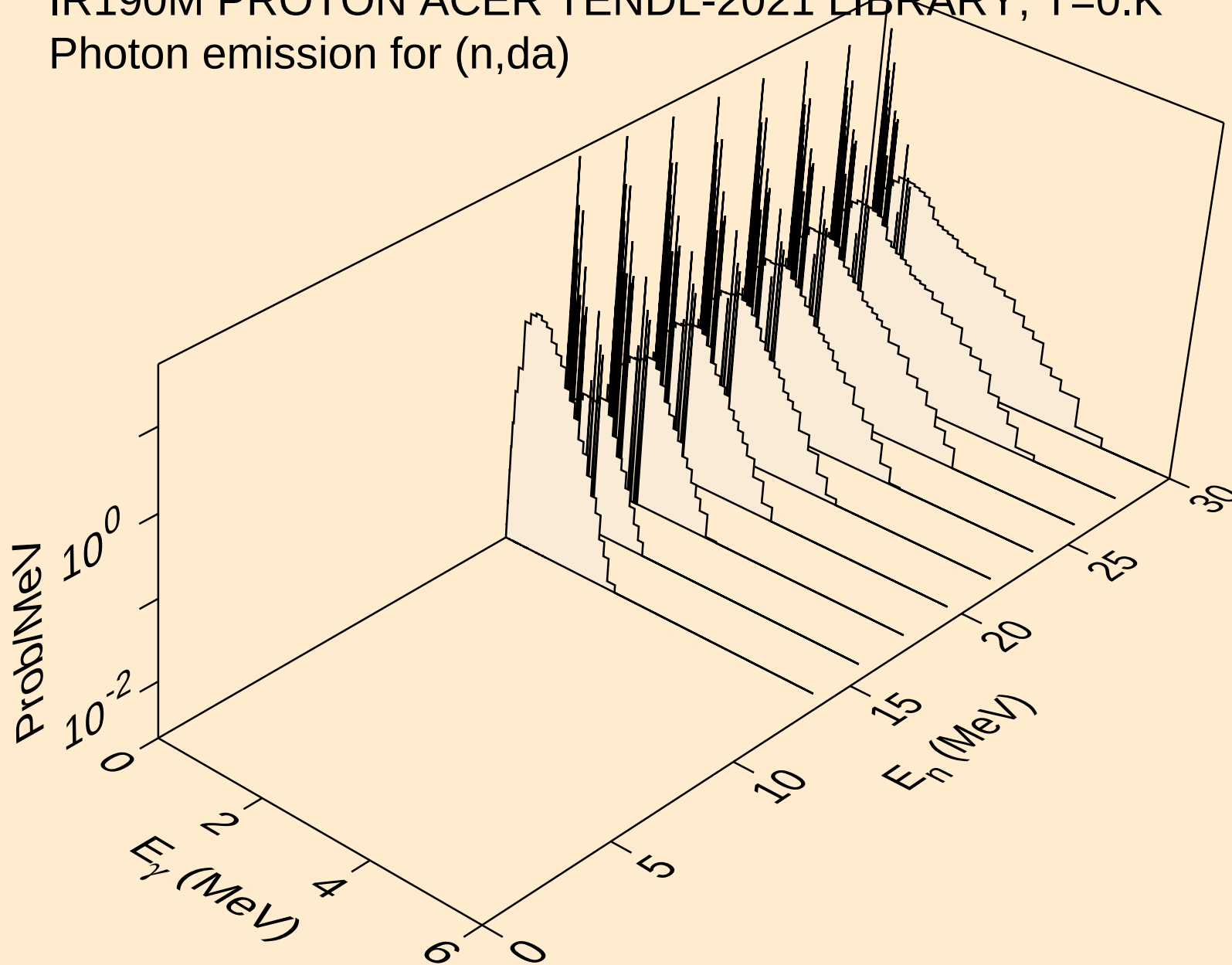




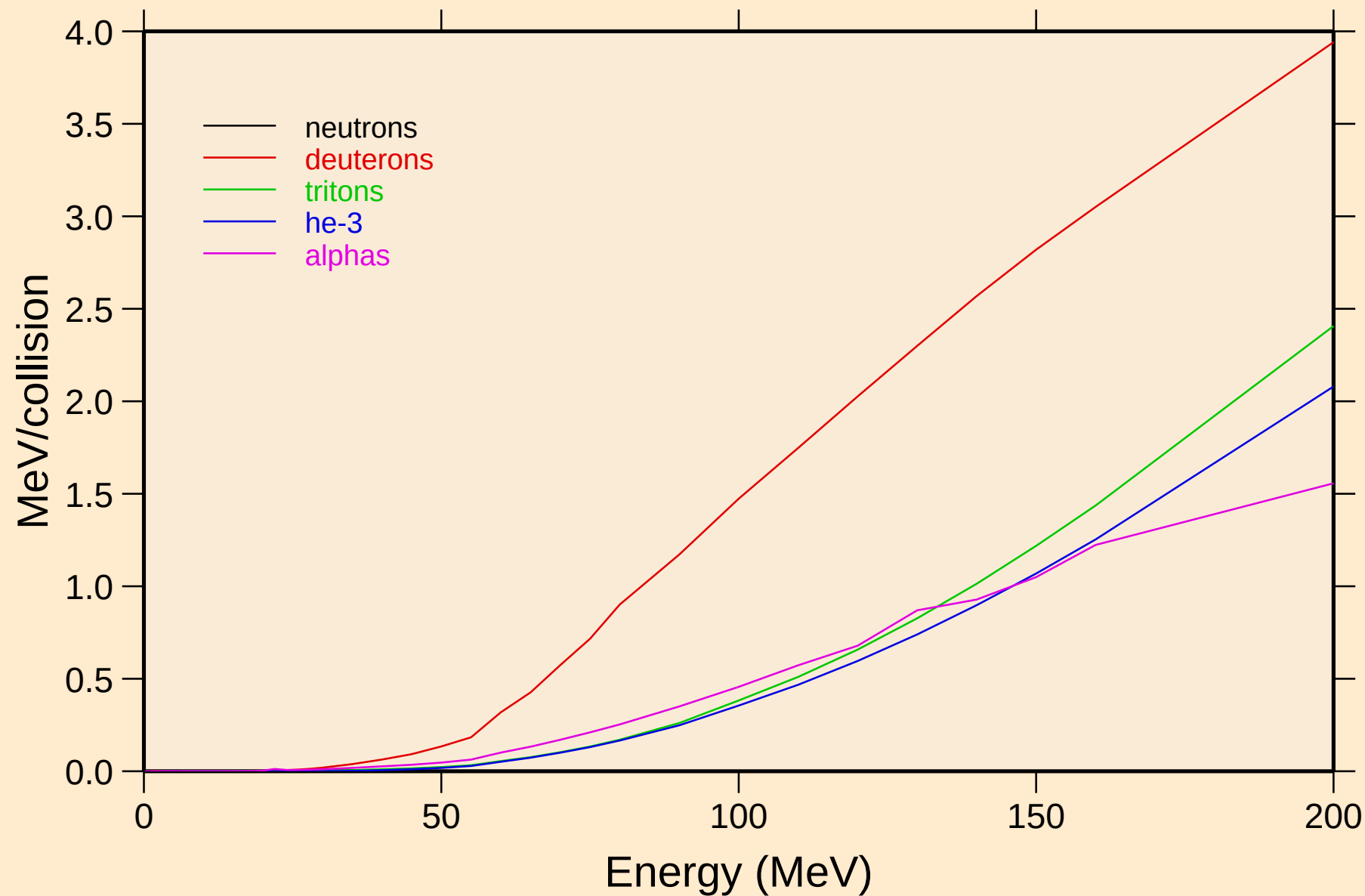
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)



IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,da)

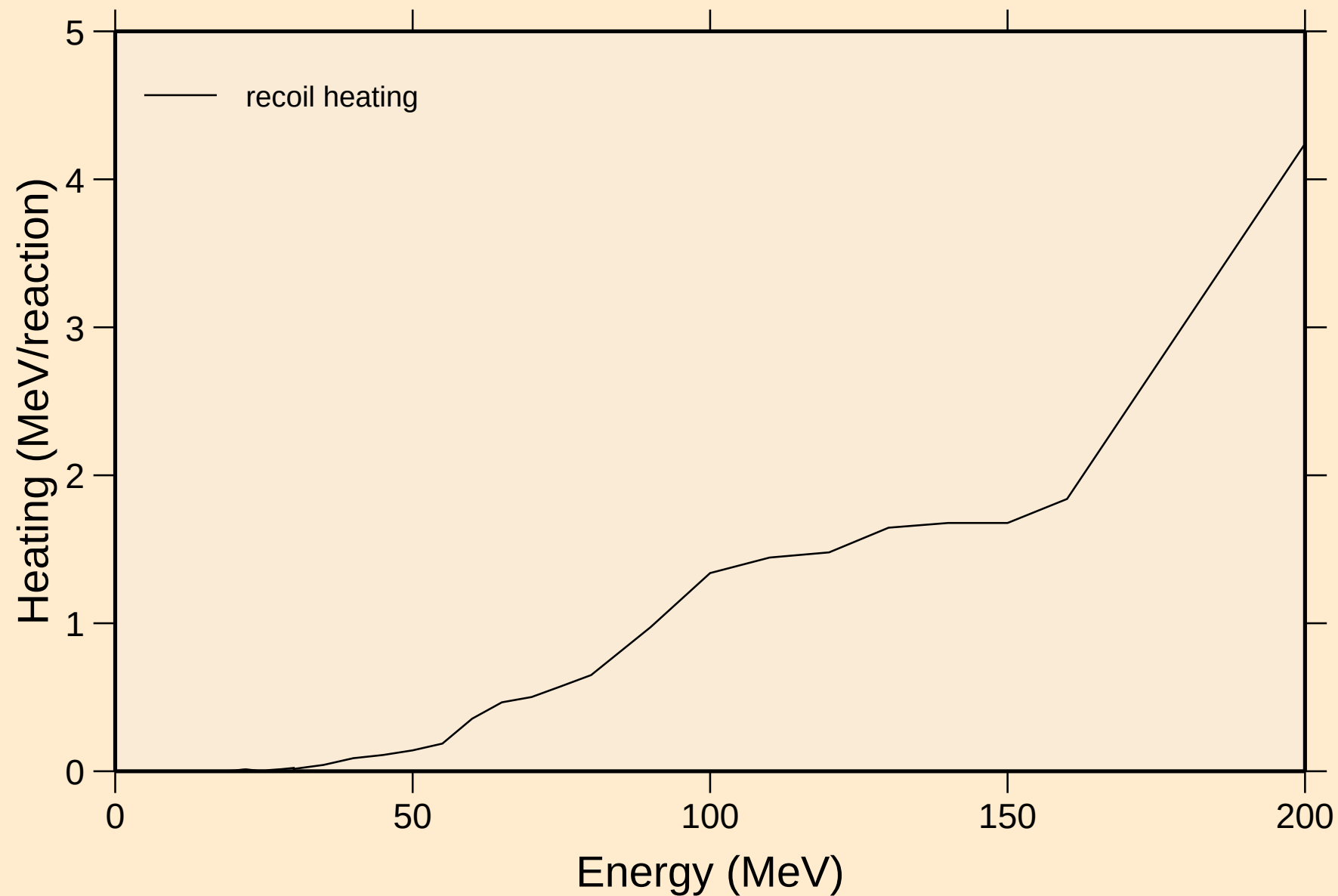


IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Particle heating contributions



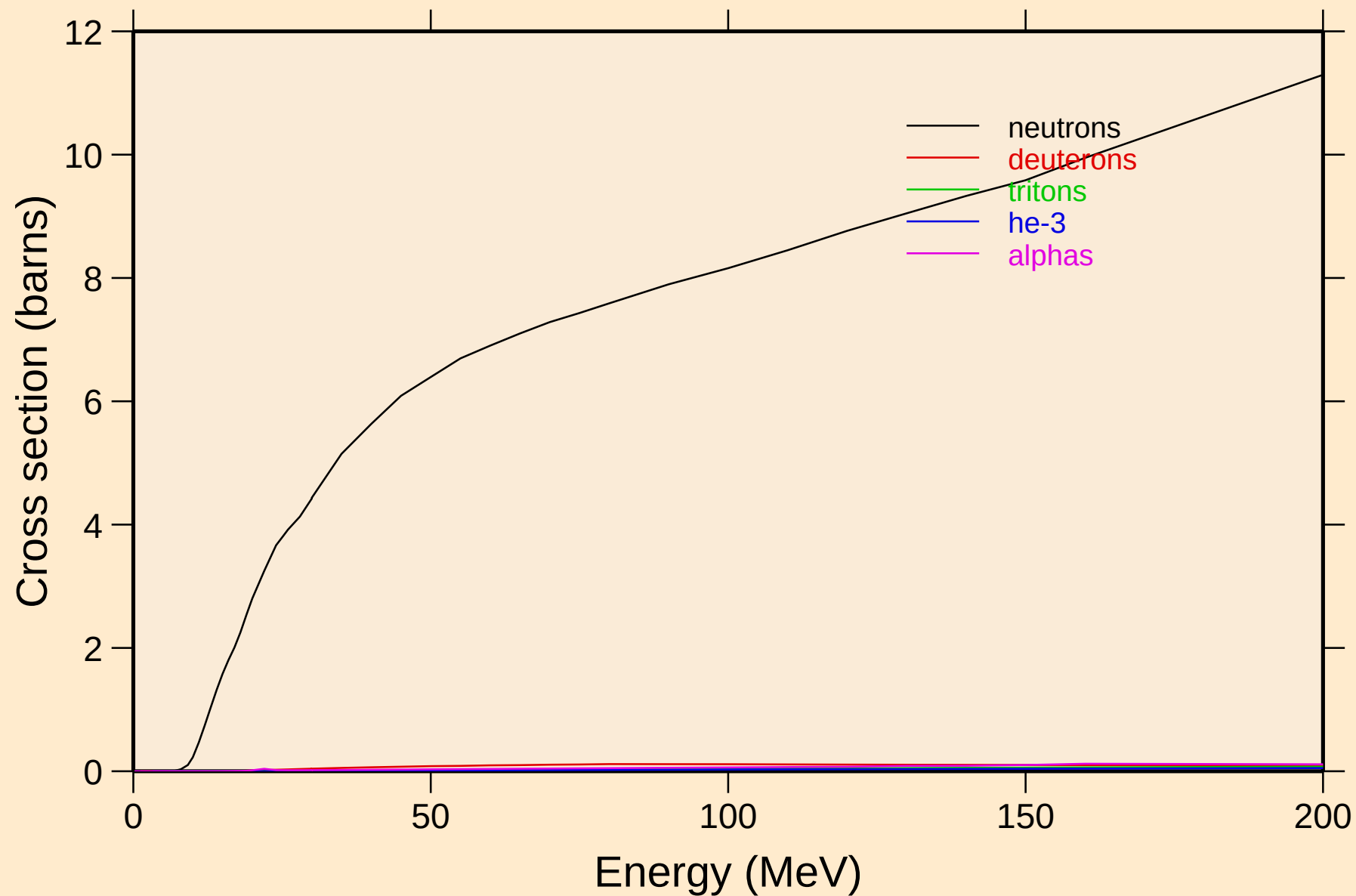
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K

Recoil Heating

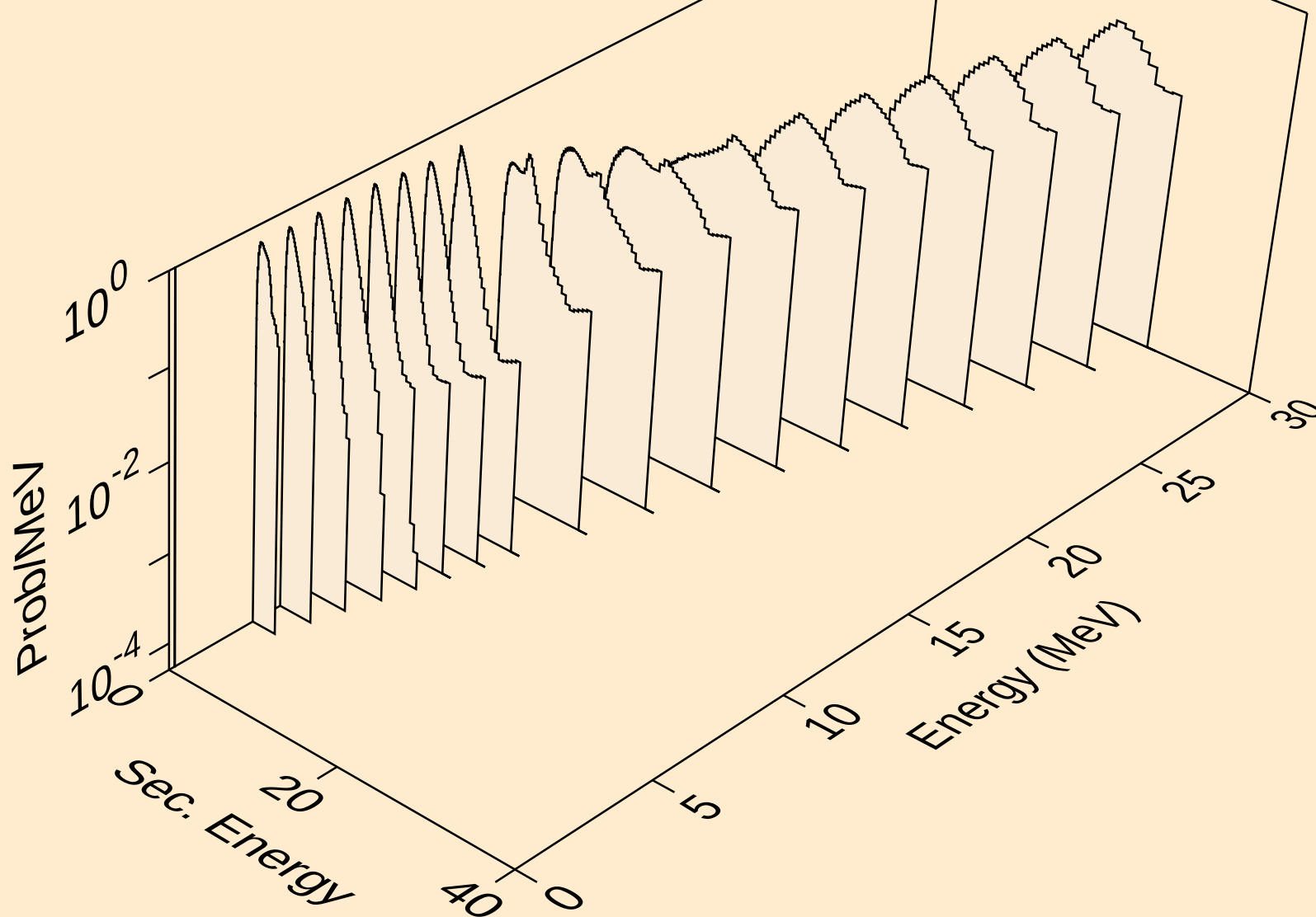


# IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K

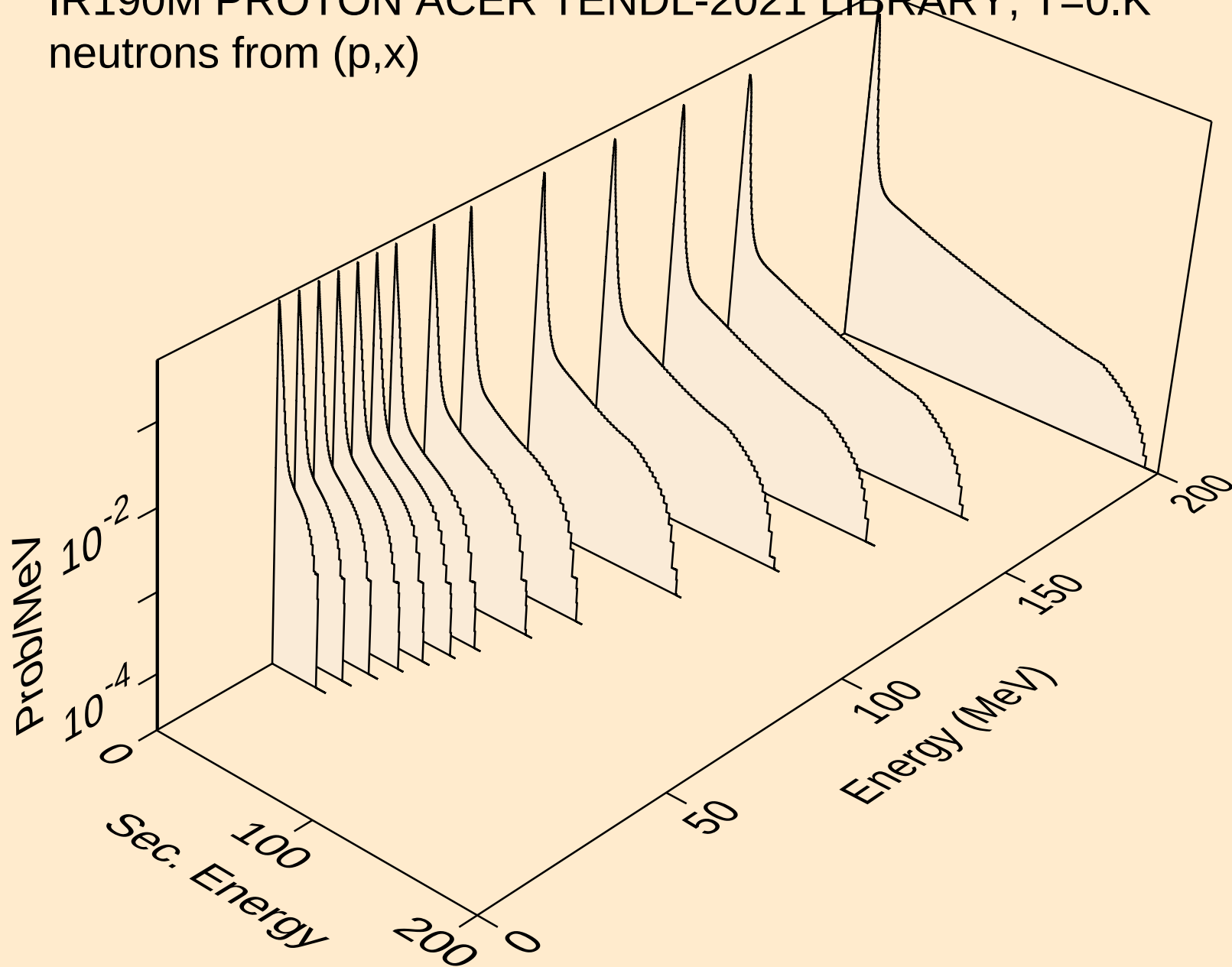
## Particle production cross sections



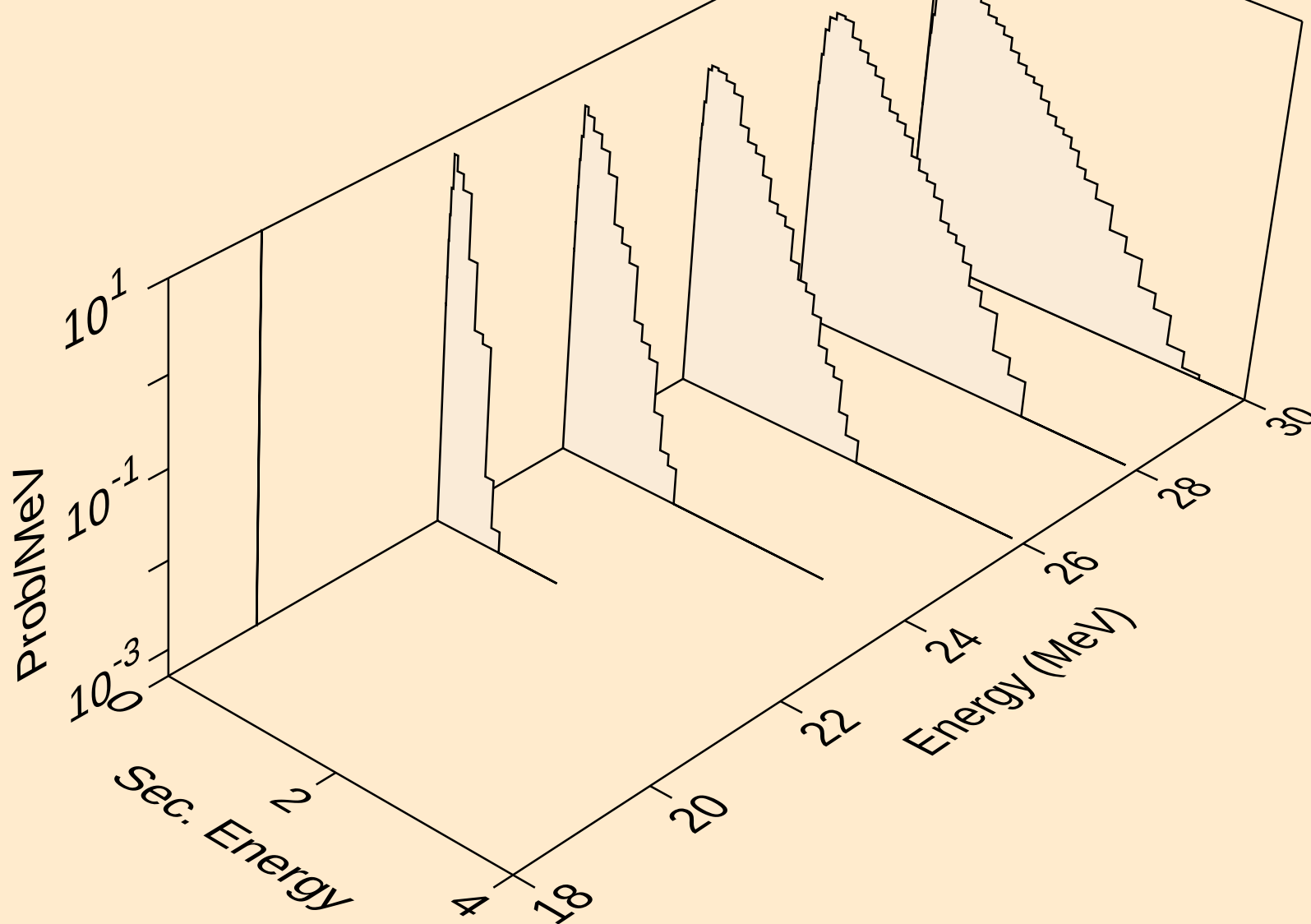
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n)



IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,x)

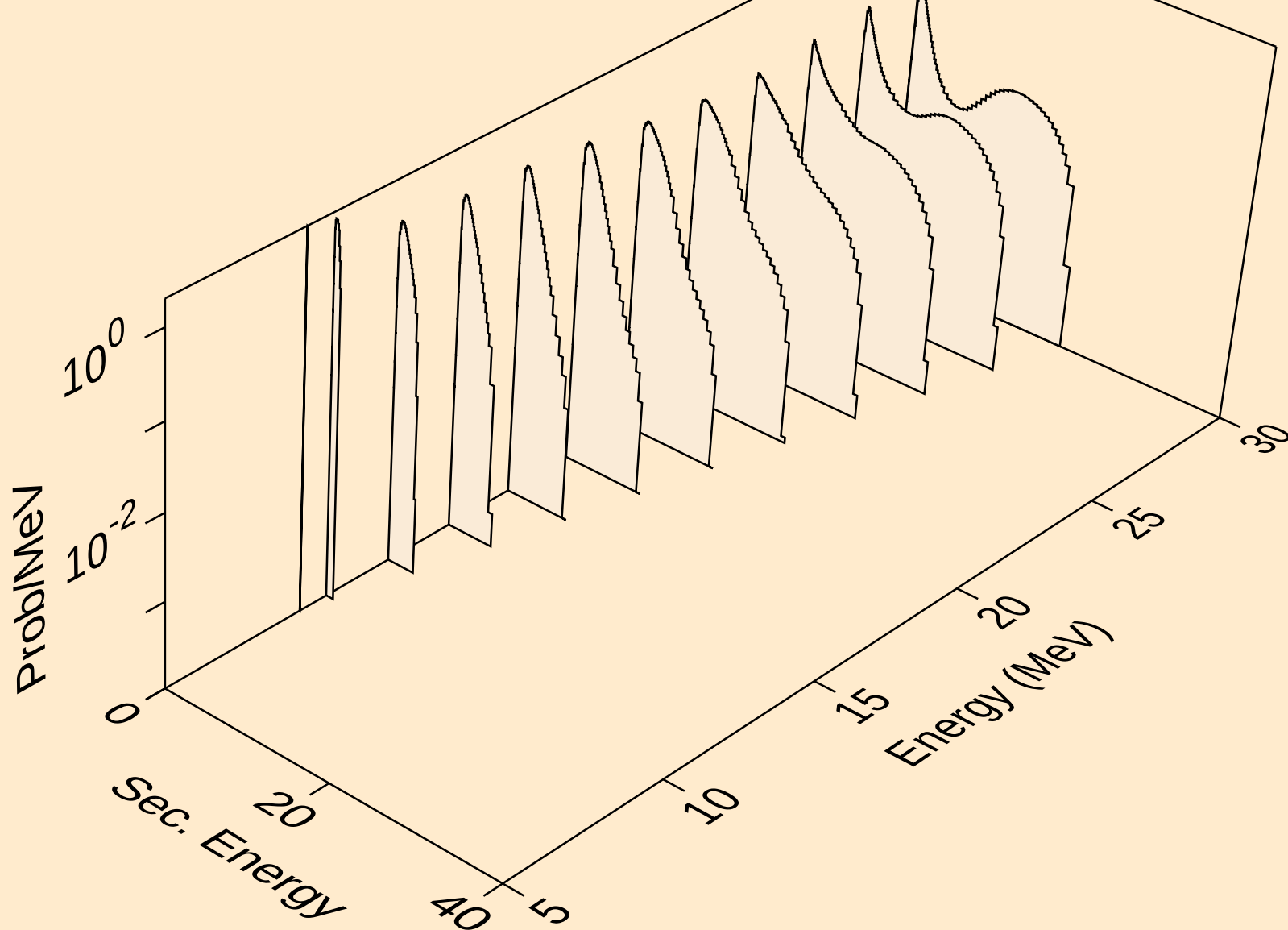


IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2nd)

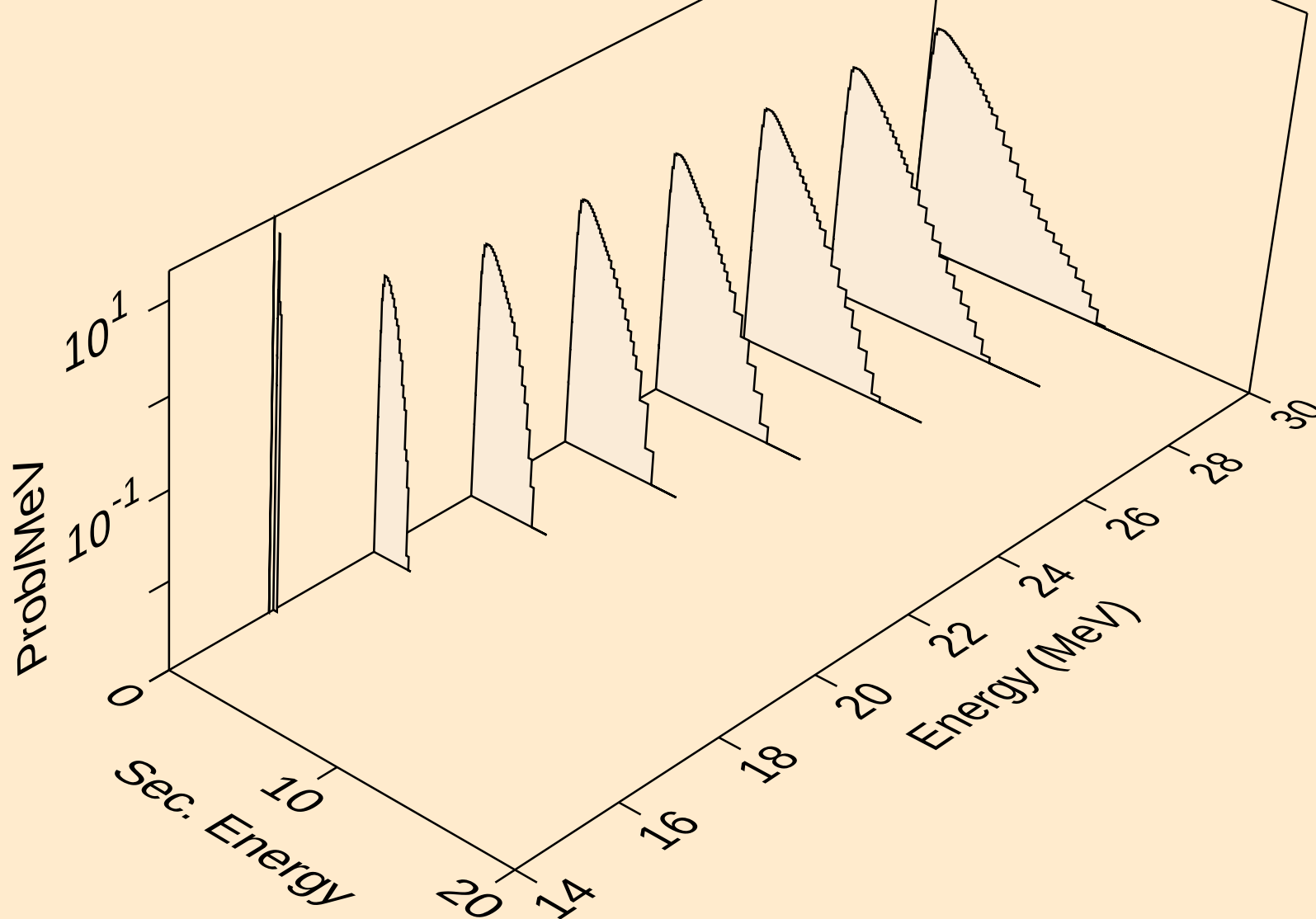




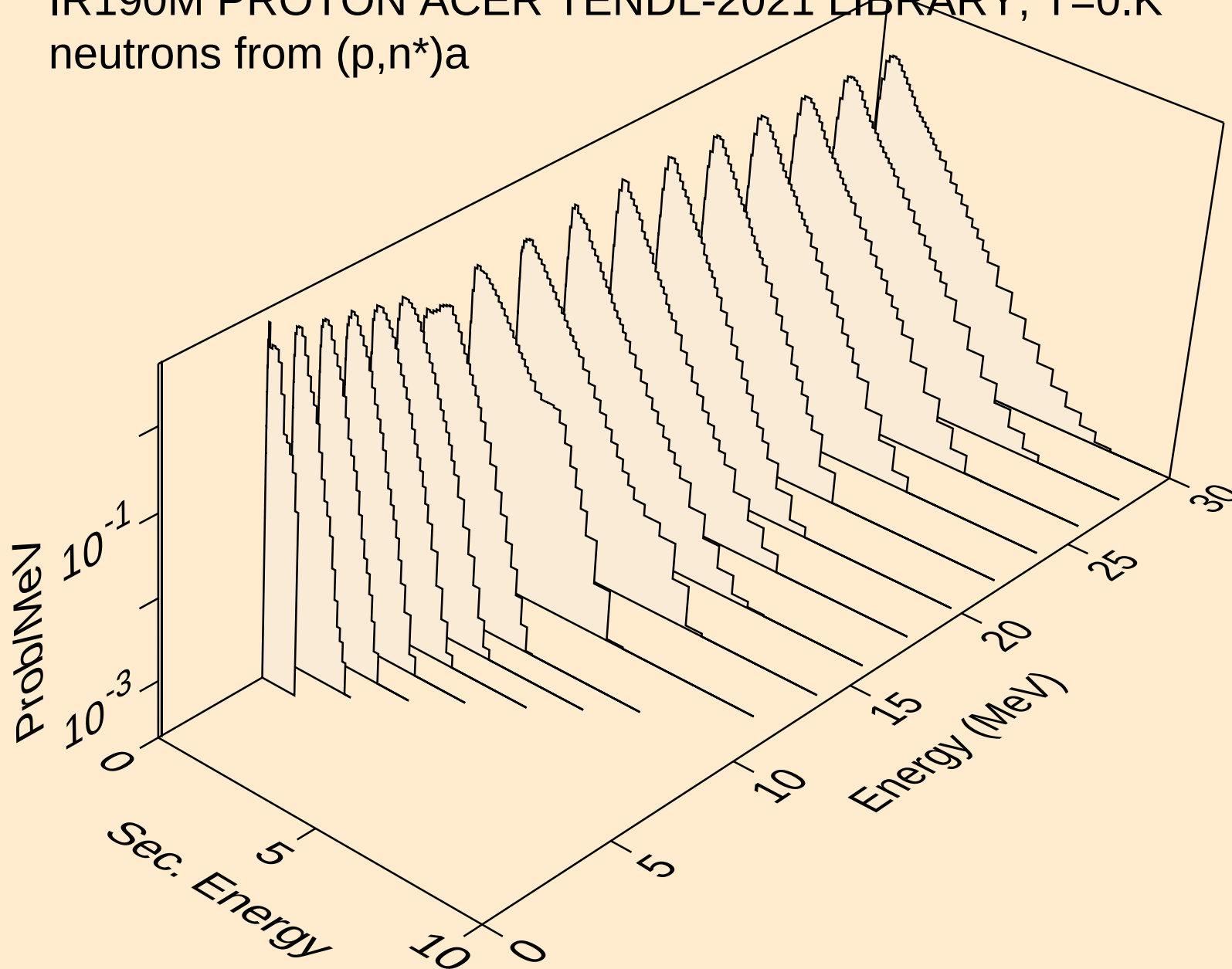
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neutrons from (p,2n)



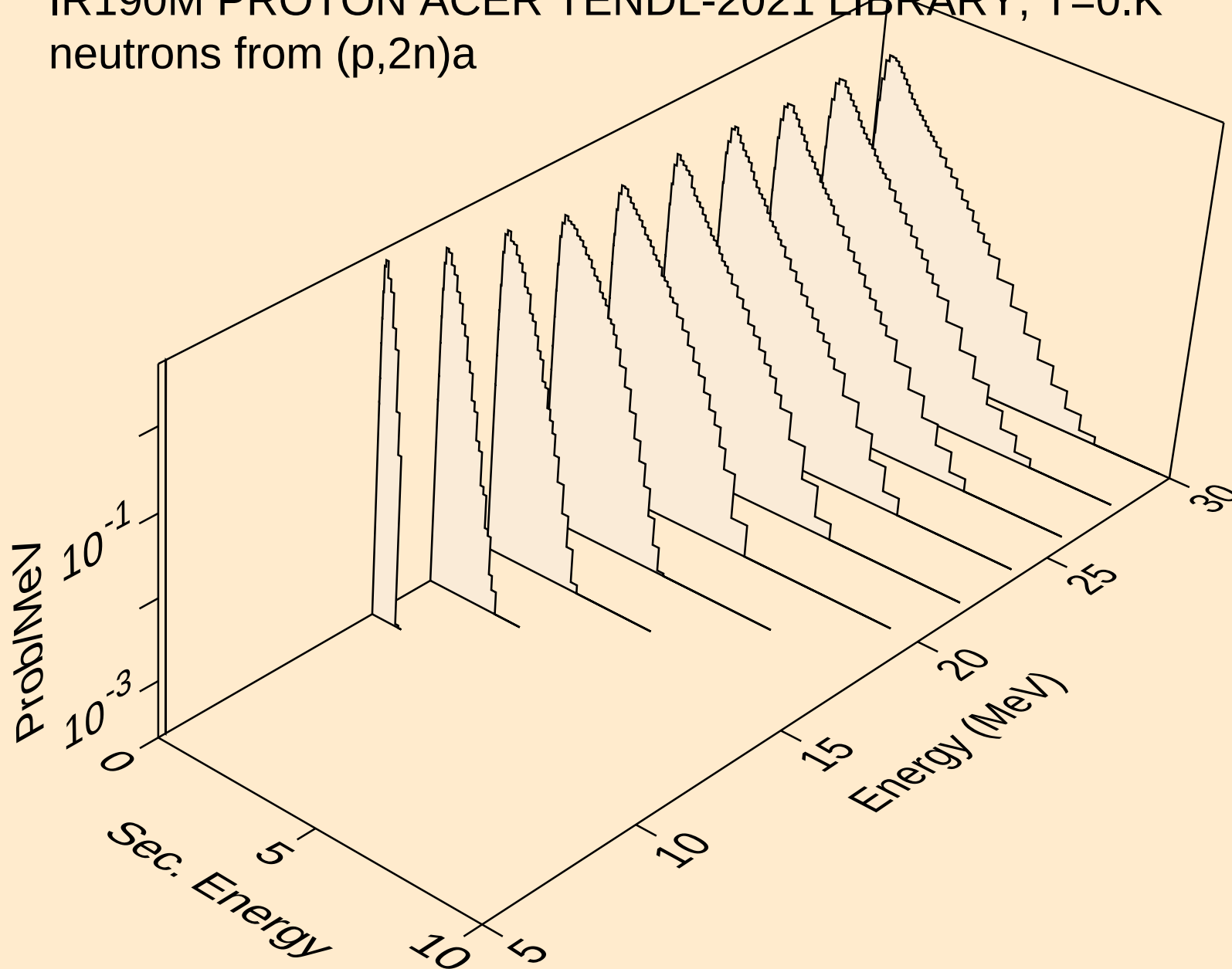
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neutrons from (p,3n)



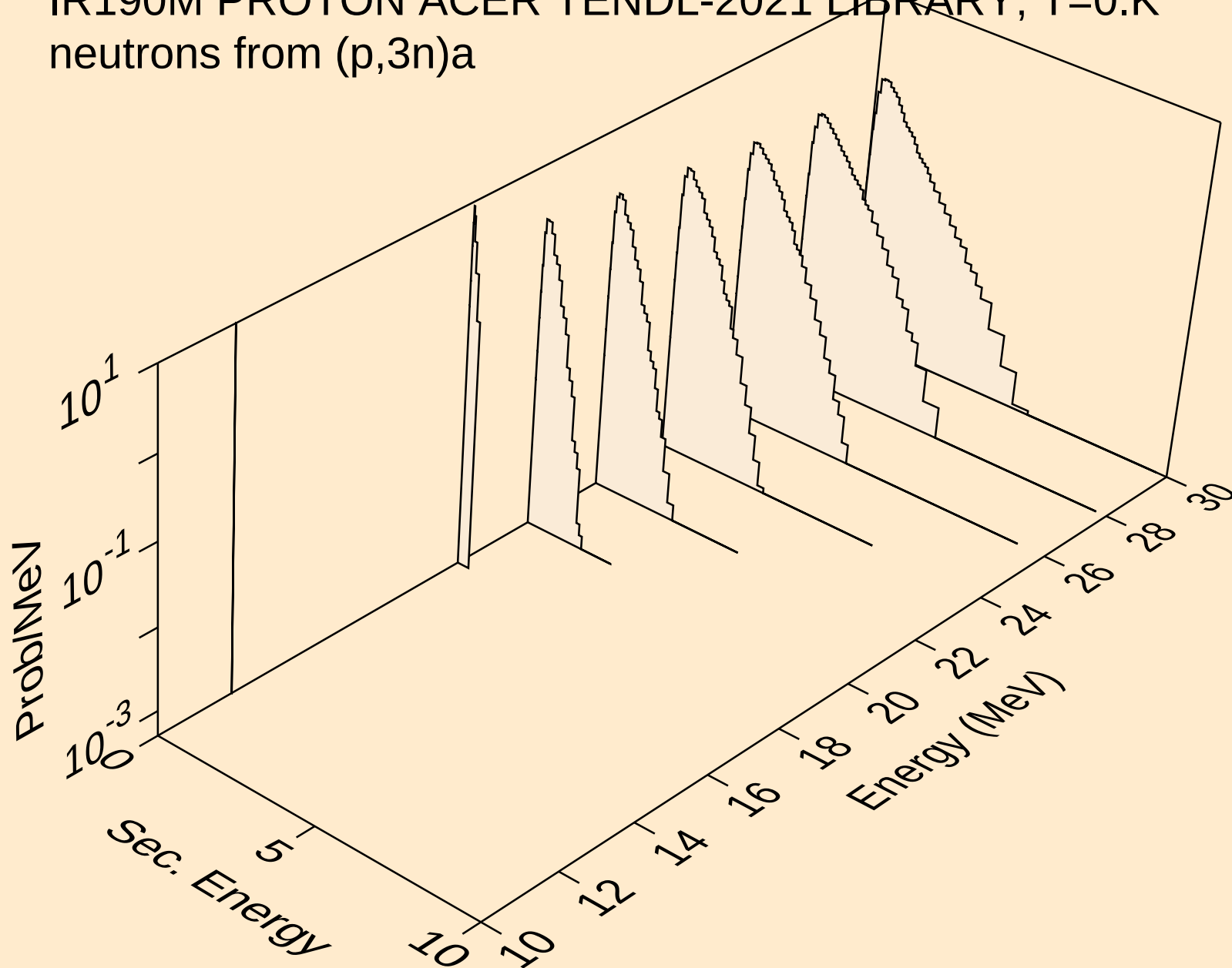
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)a



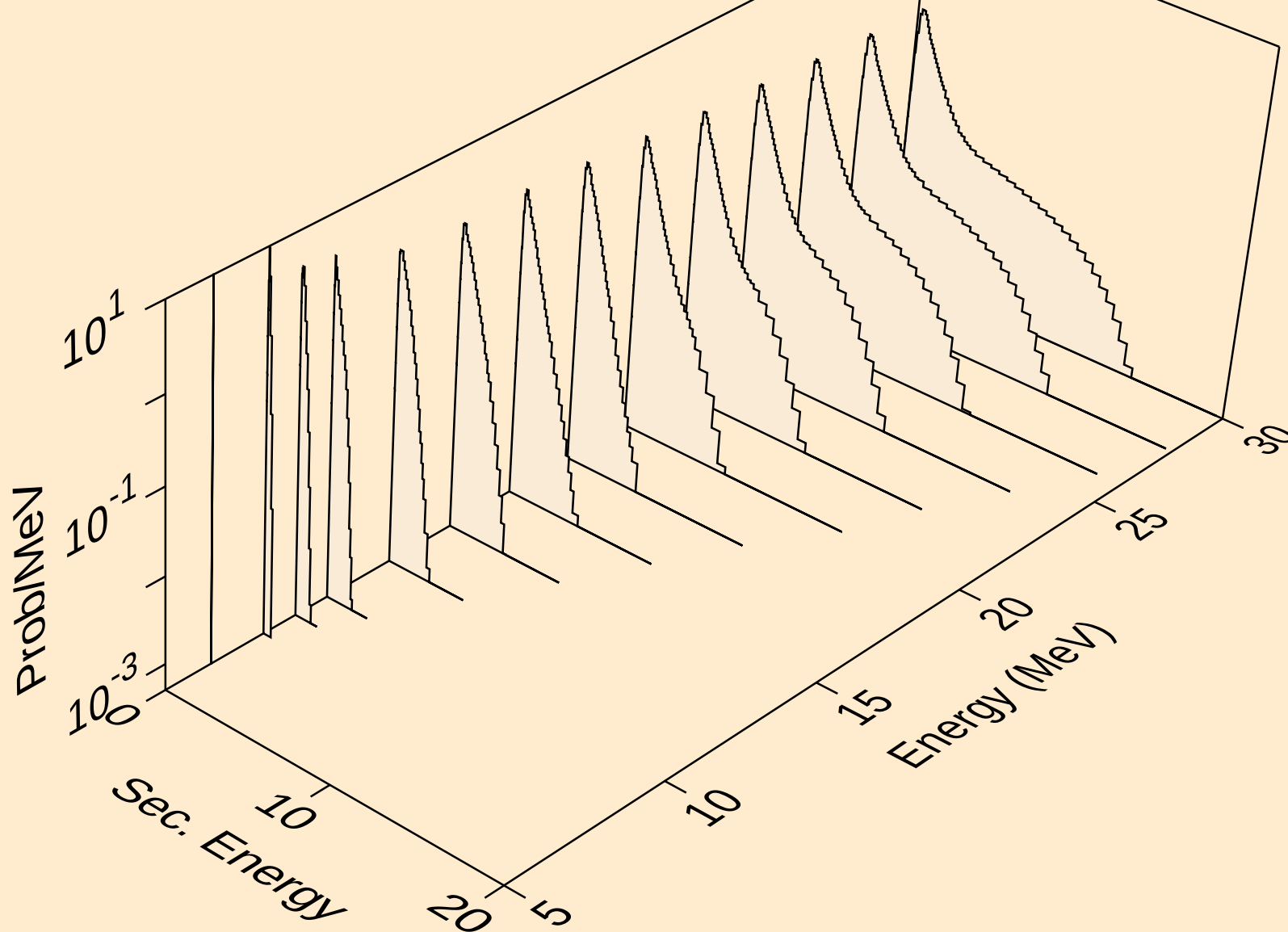
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neutrons from (p,2n)a



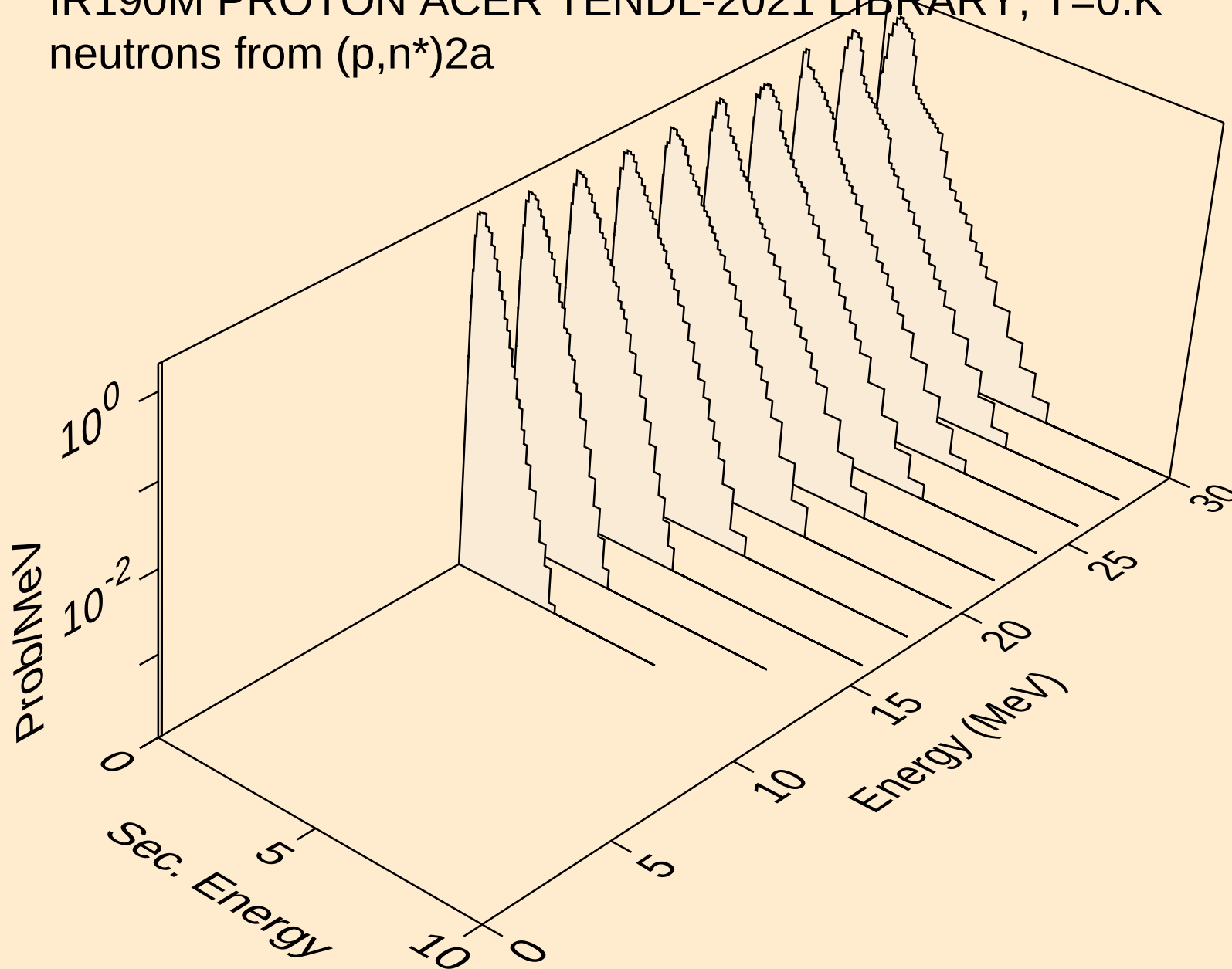
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neutrons from (p,3n)a



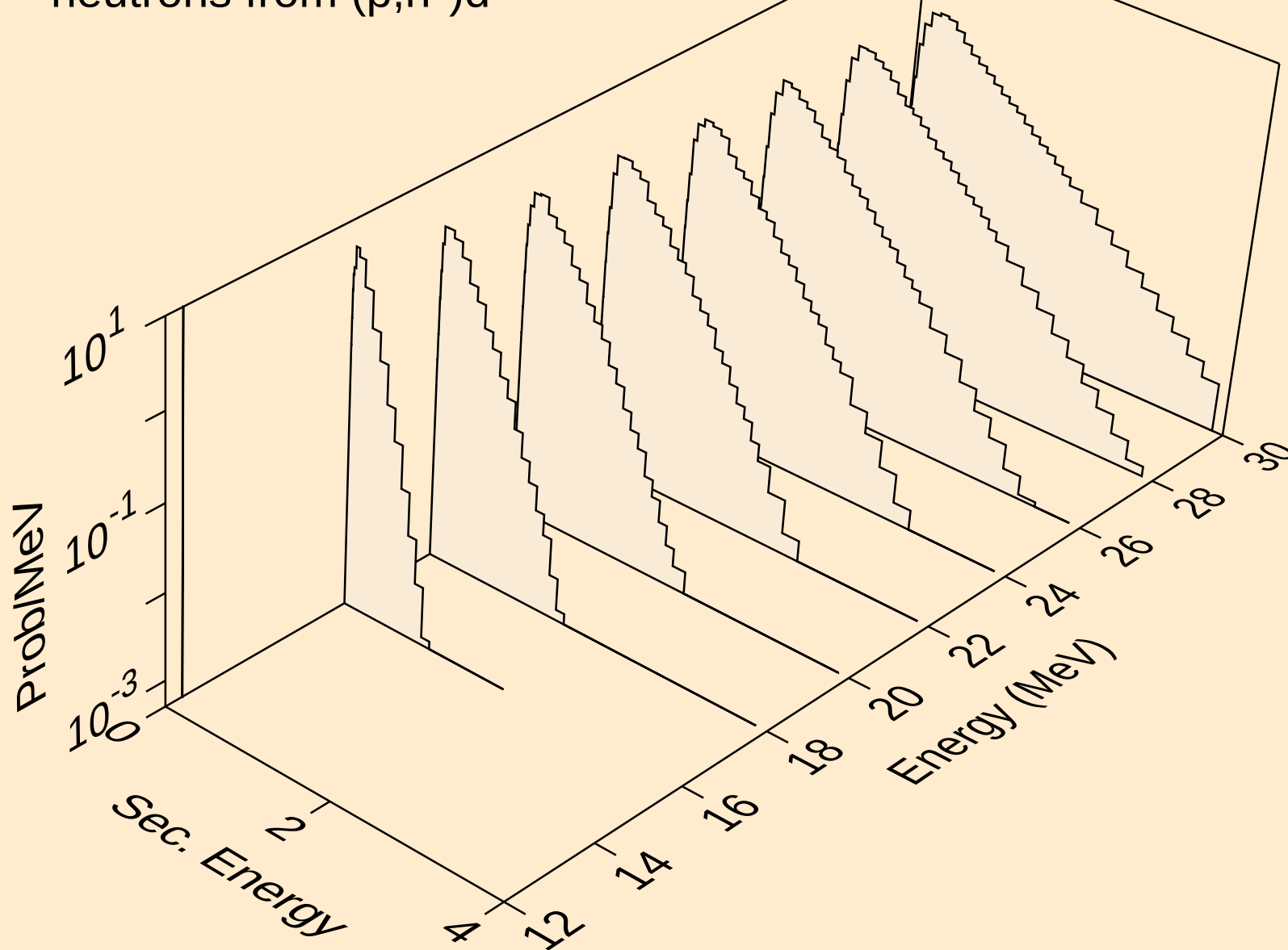
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)p



IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)2a

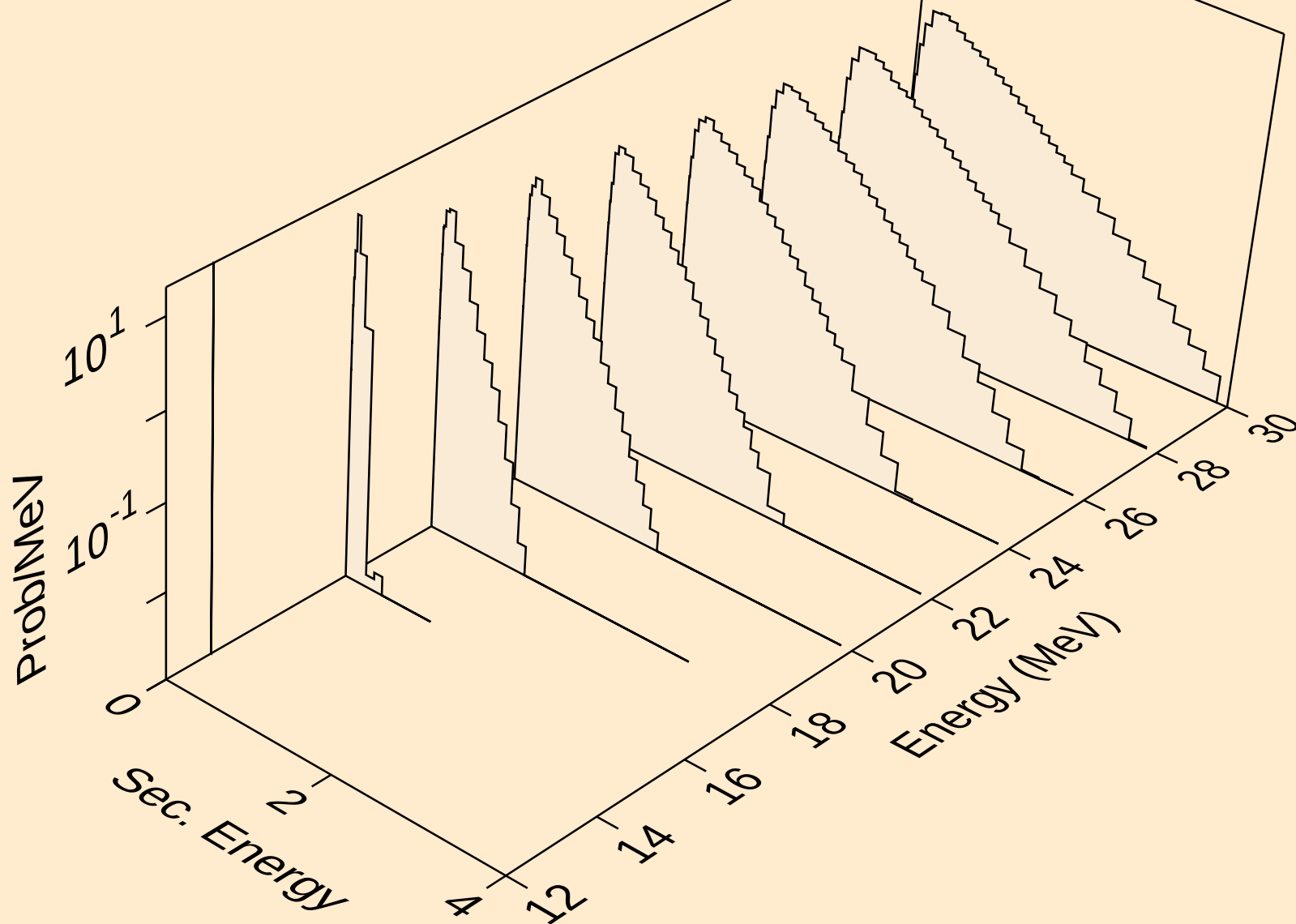


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neutrons from (p,n\*)d

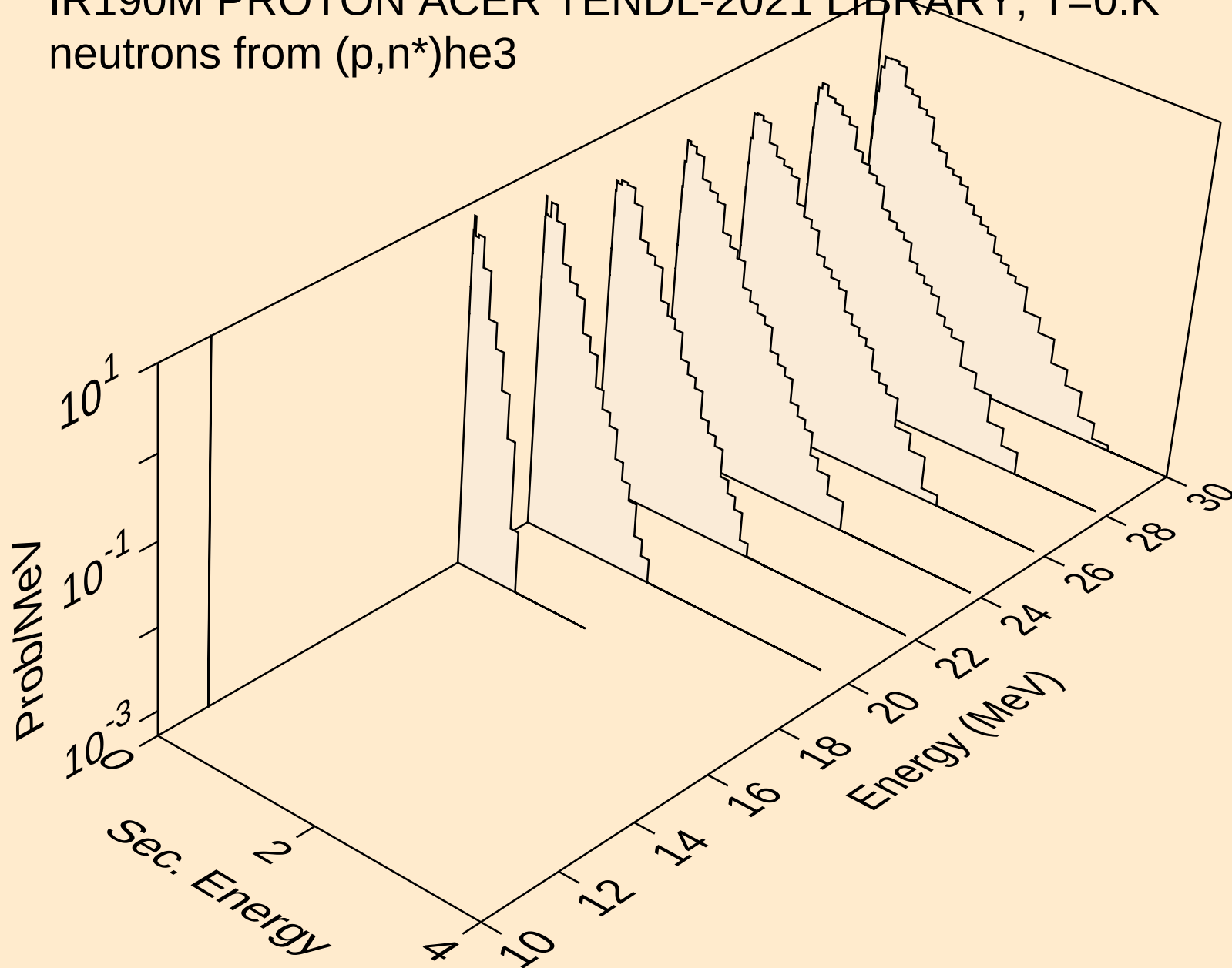




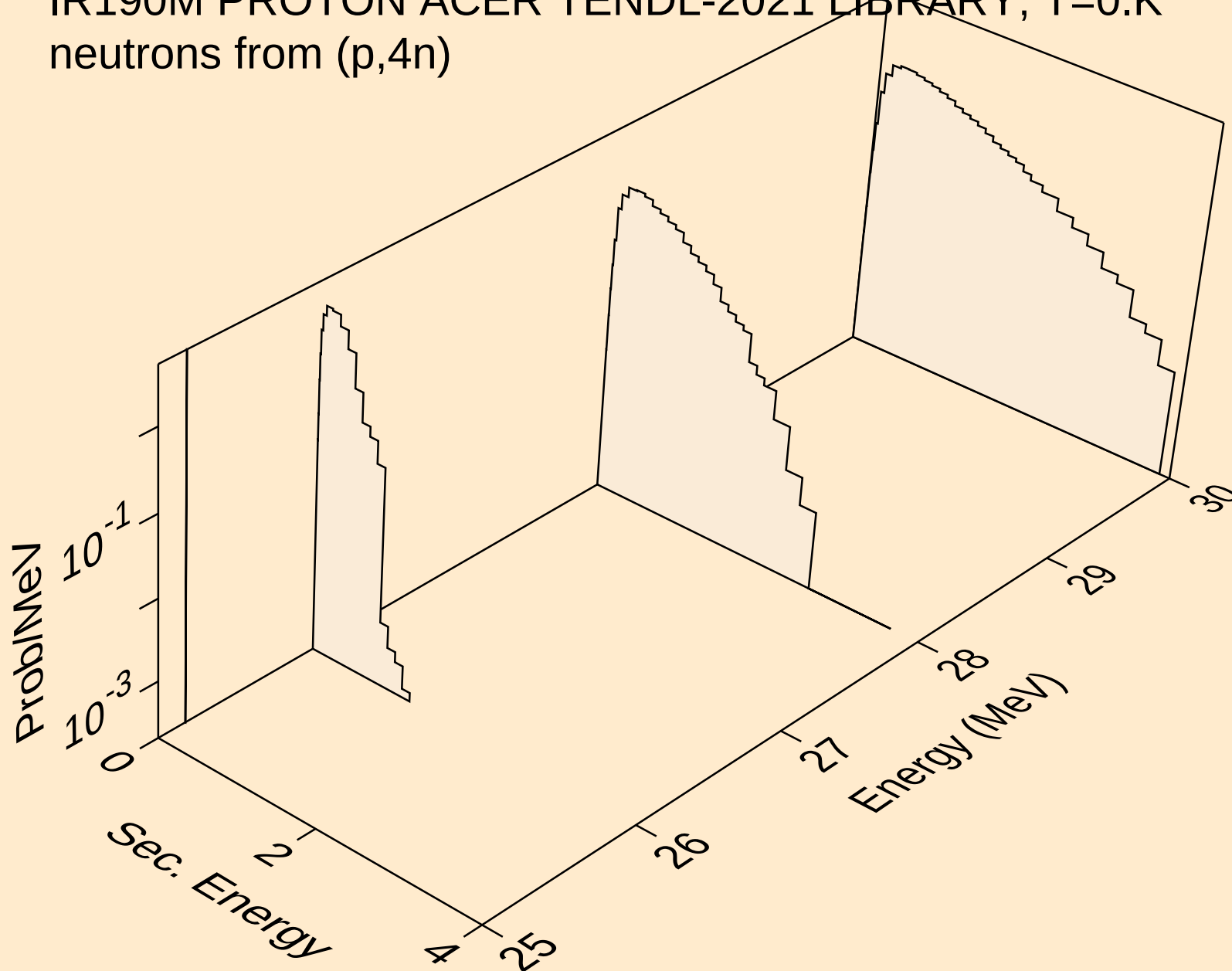
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)t



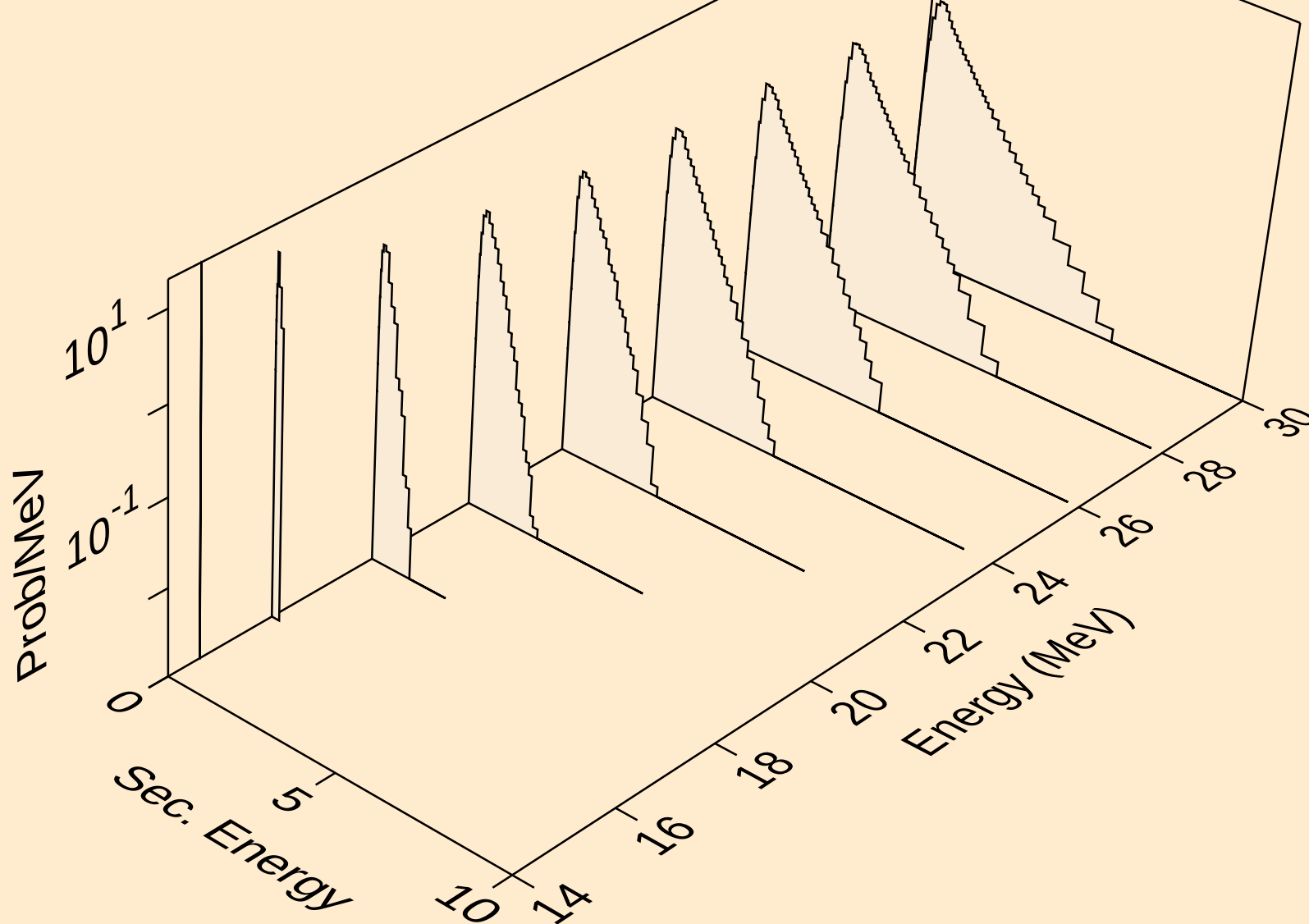
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



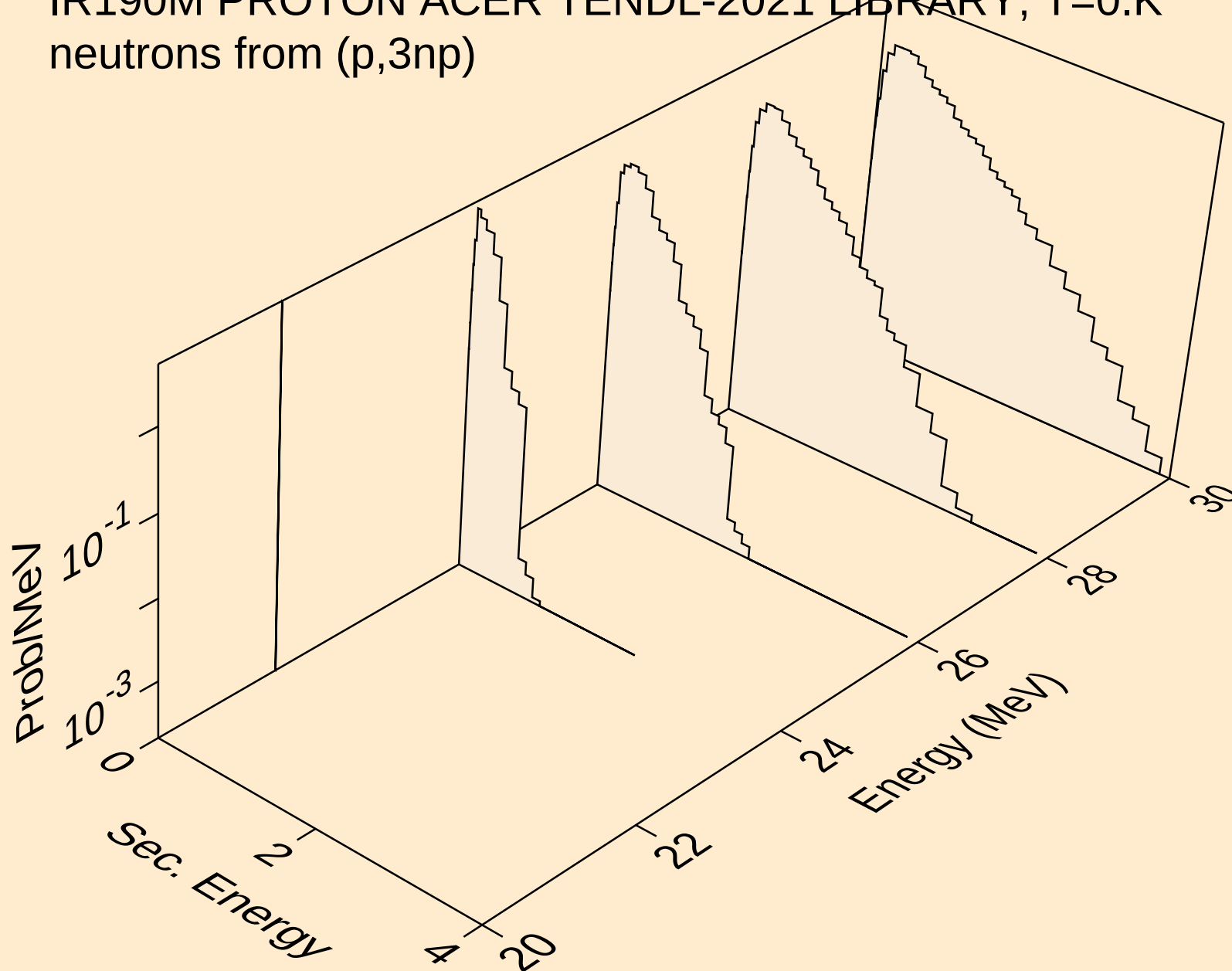
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,4n)



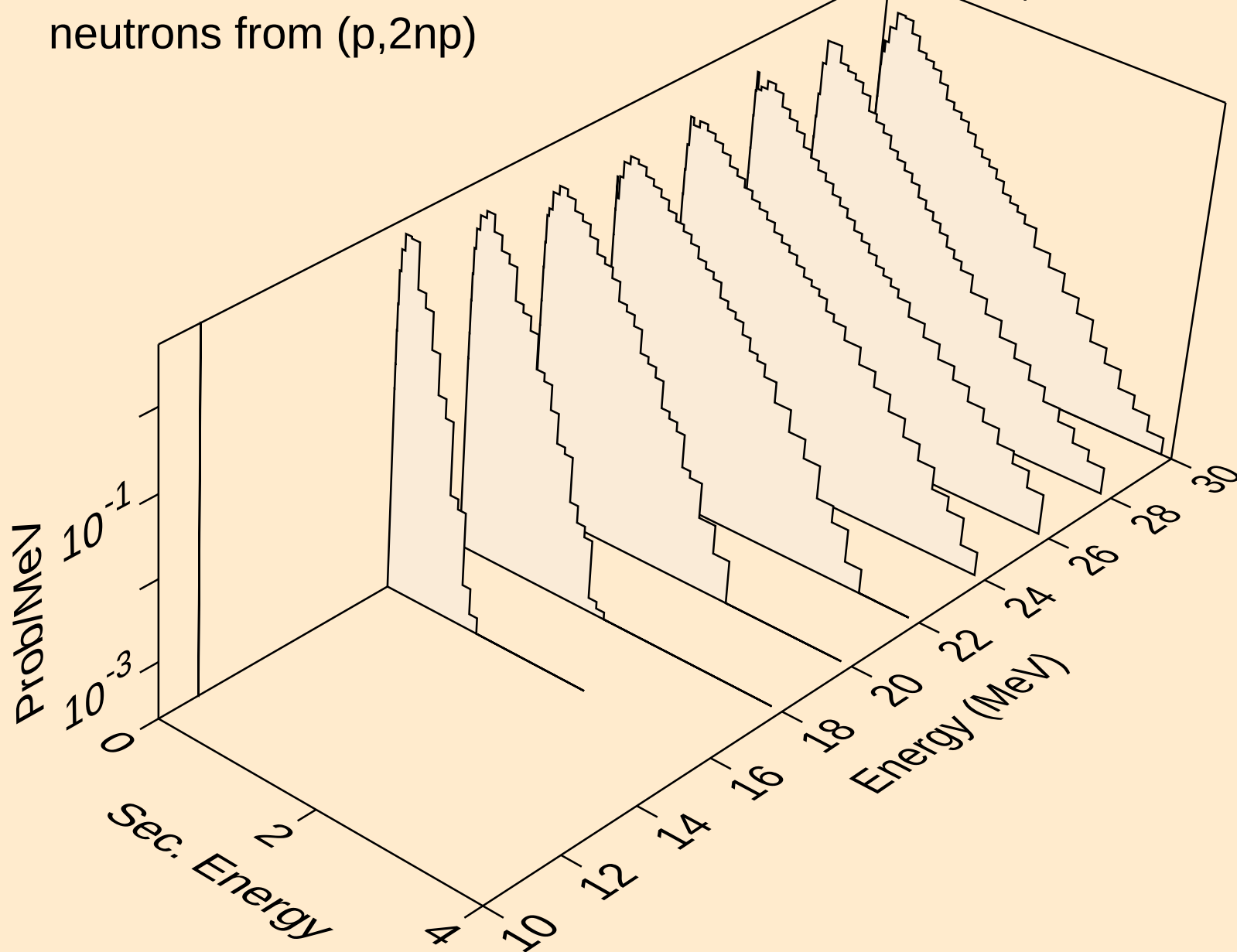
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)



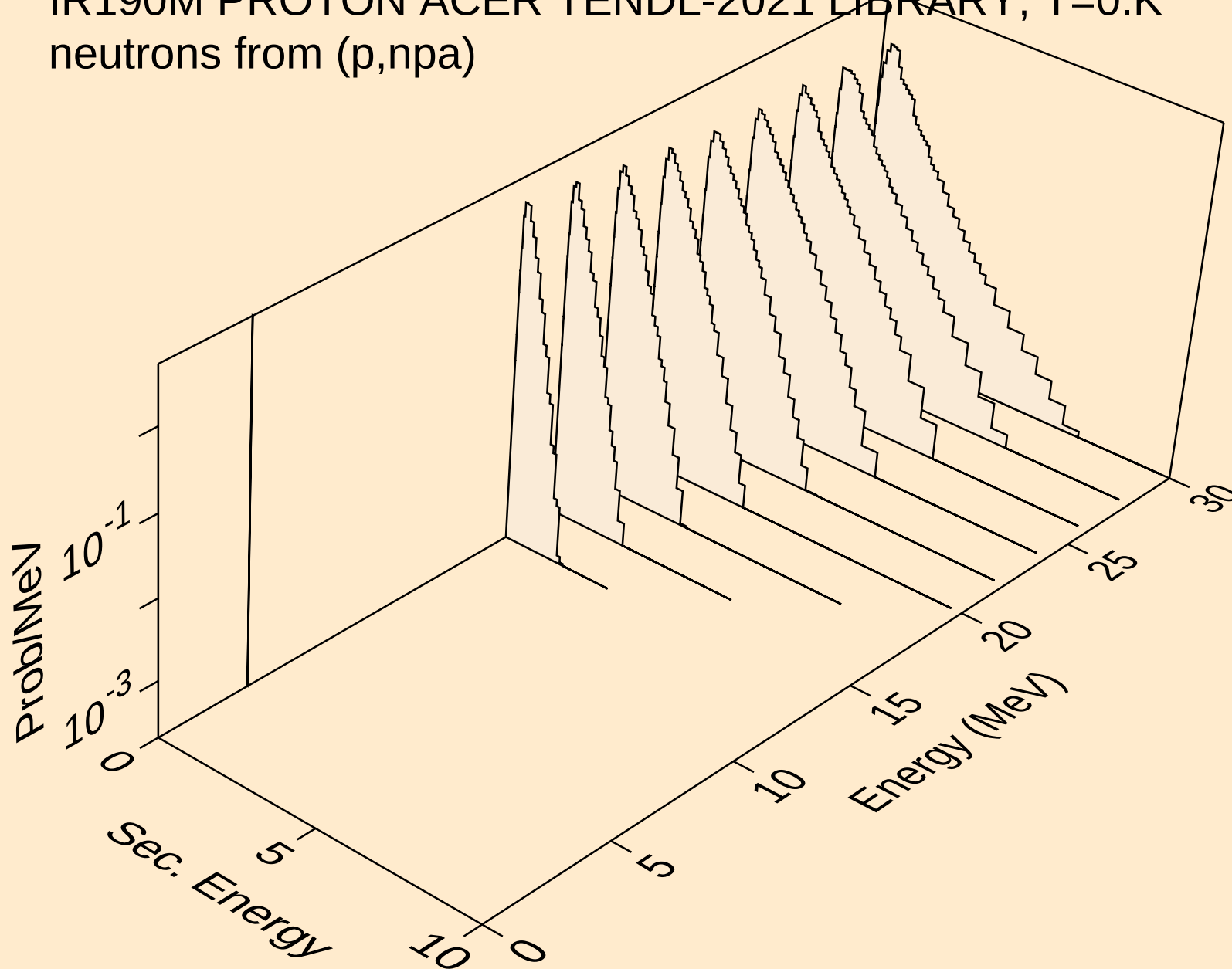
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3np)



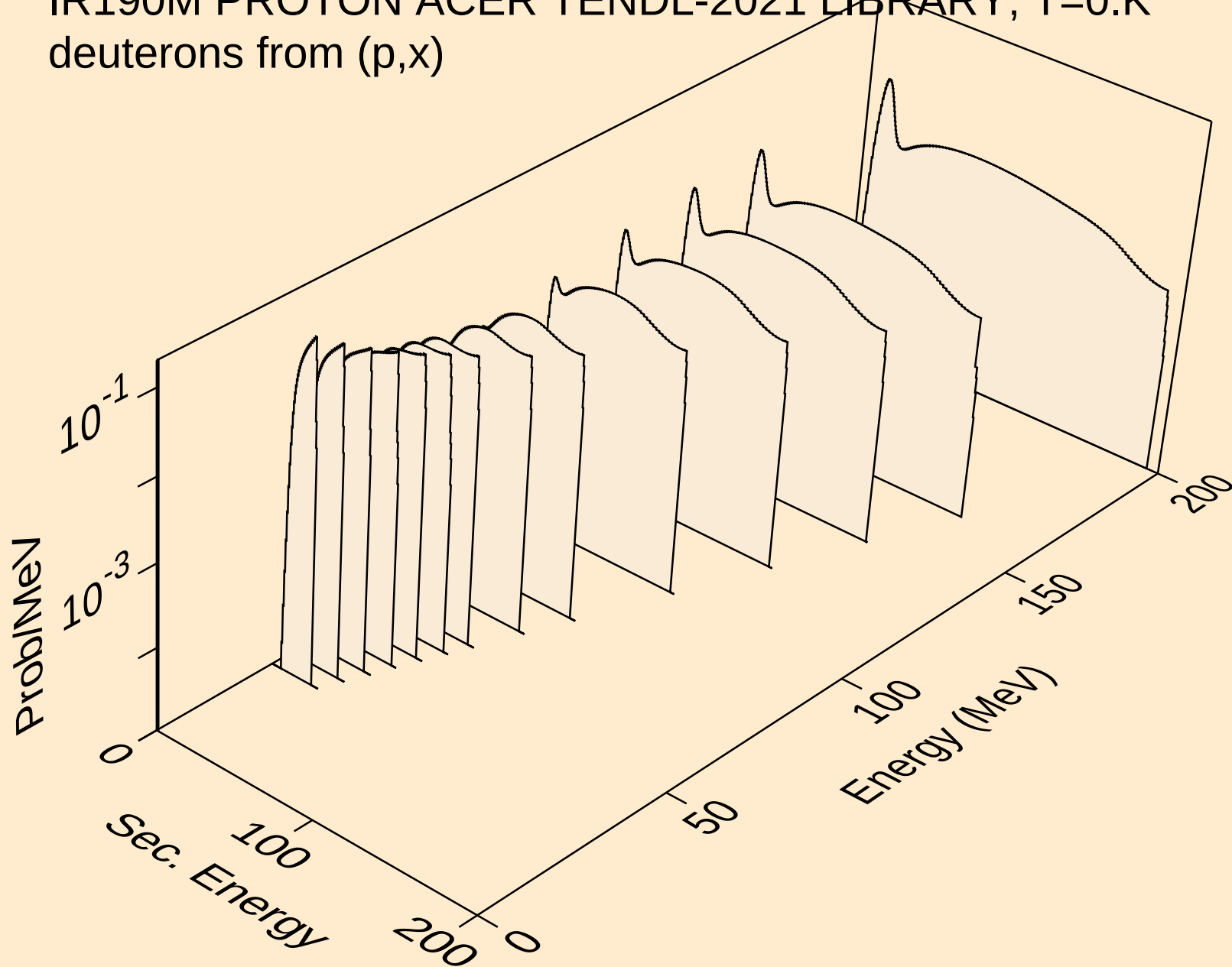
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)



IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,npa)

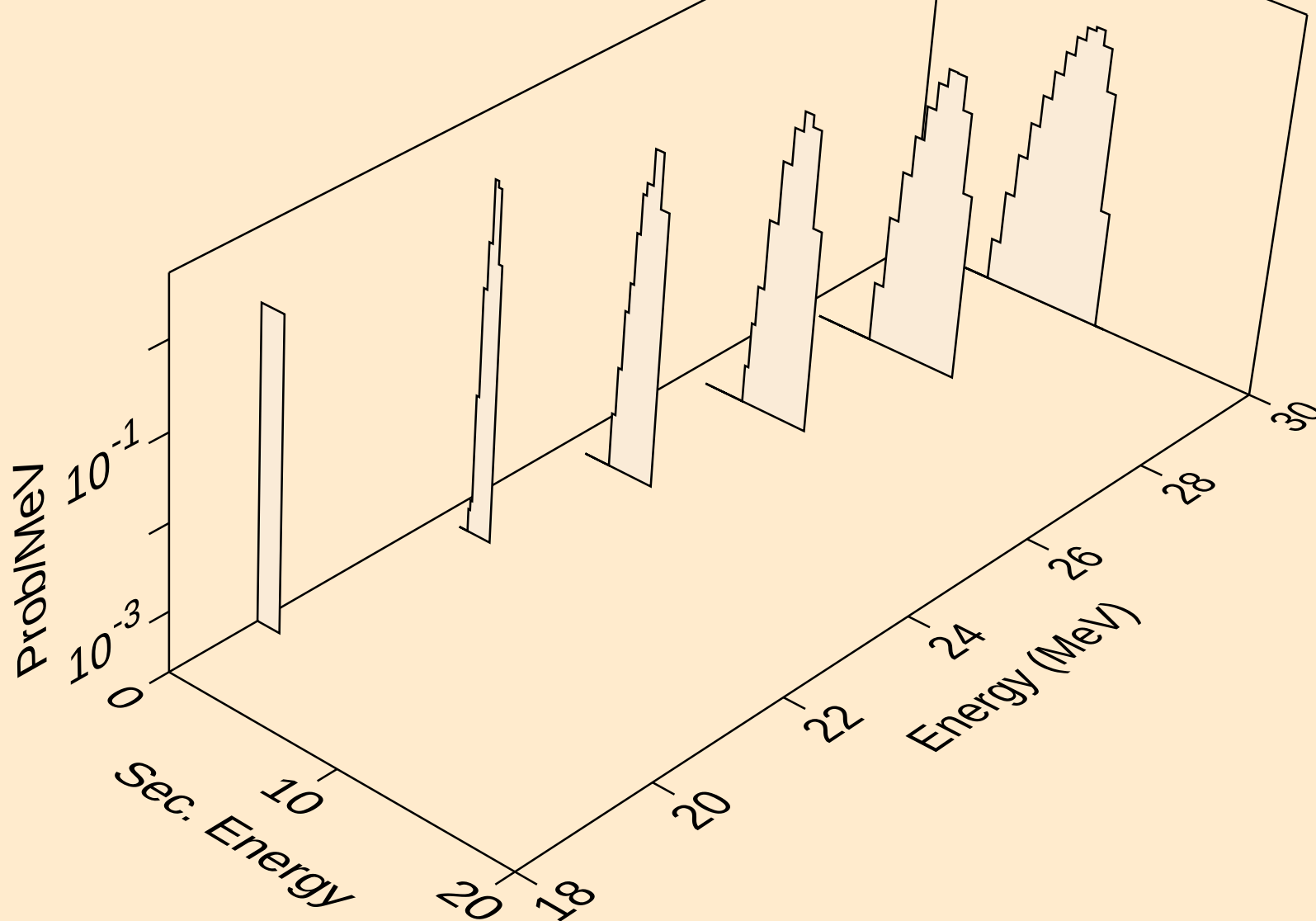


IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,x)

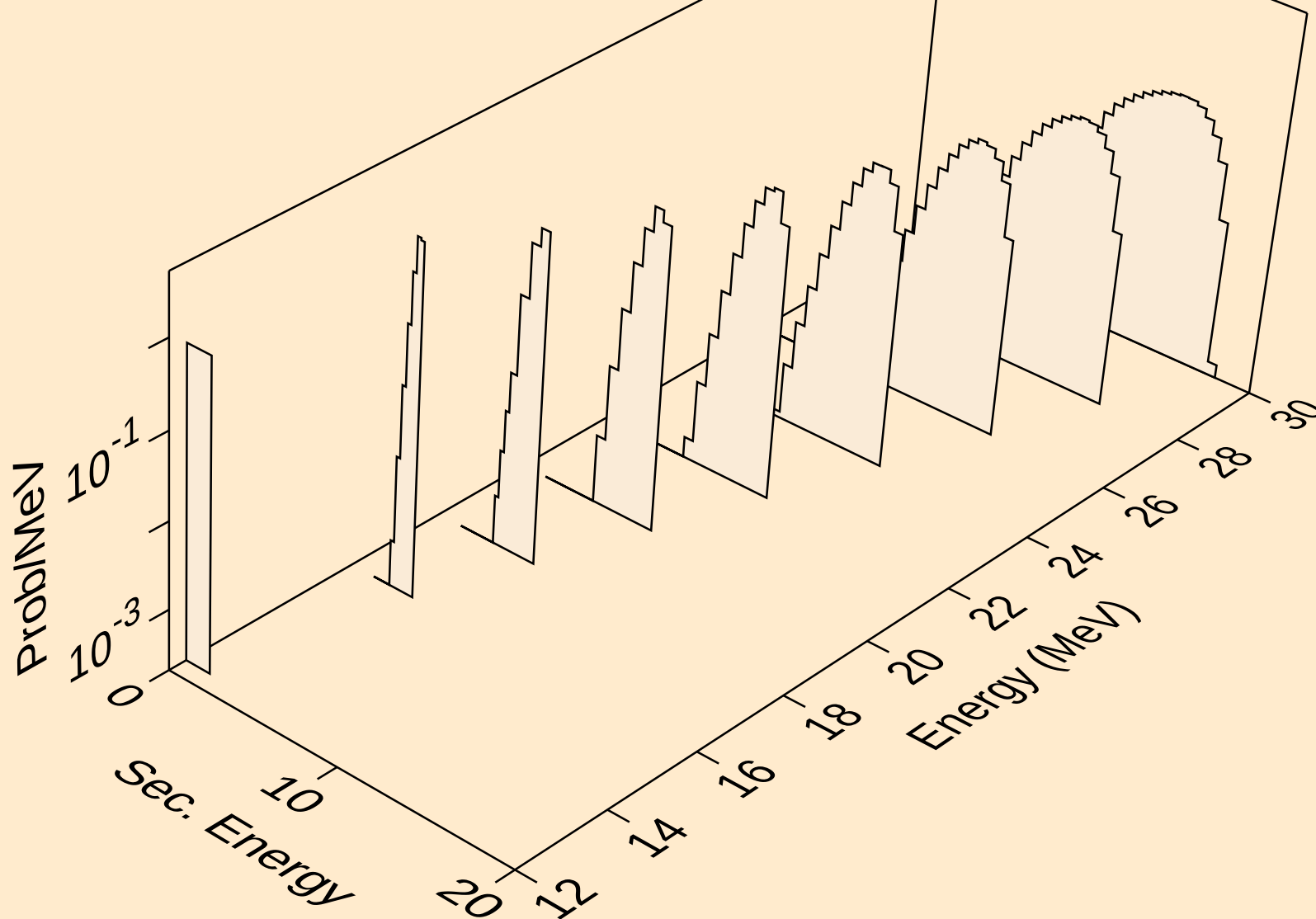




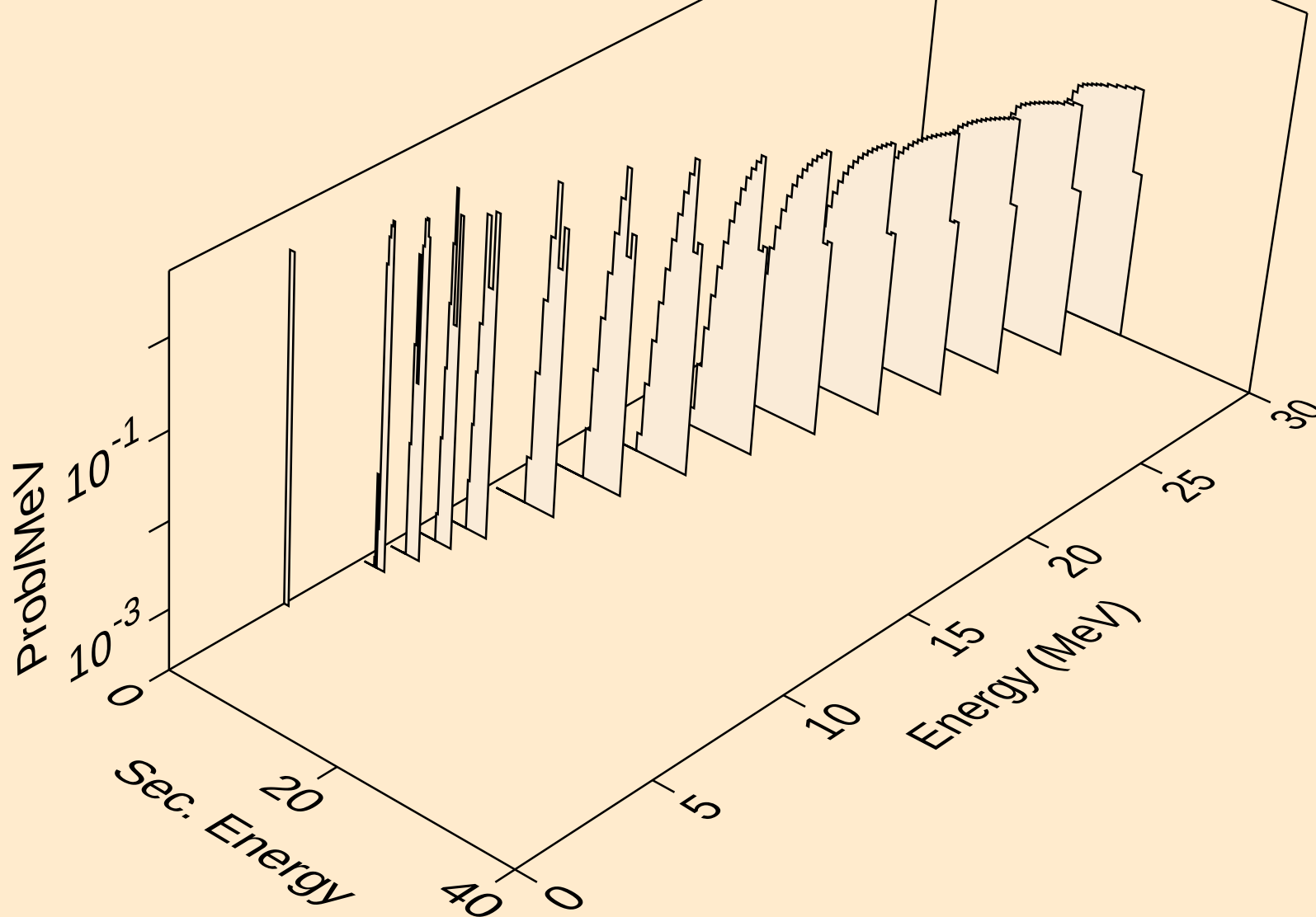
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deuterons from (p,2nd)



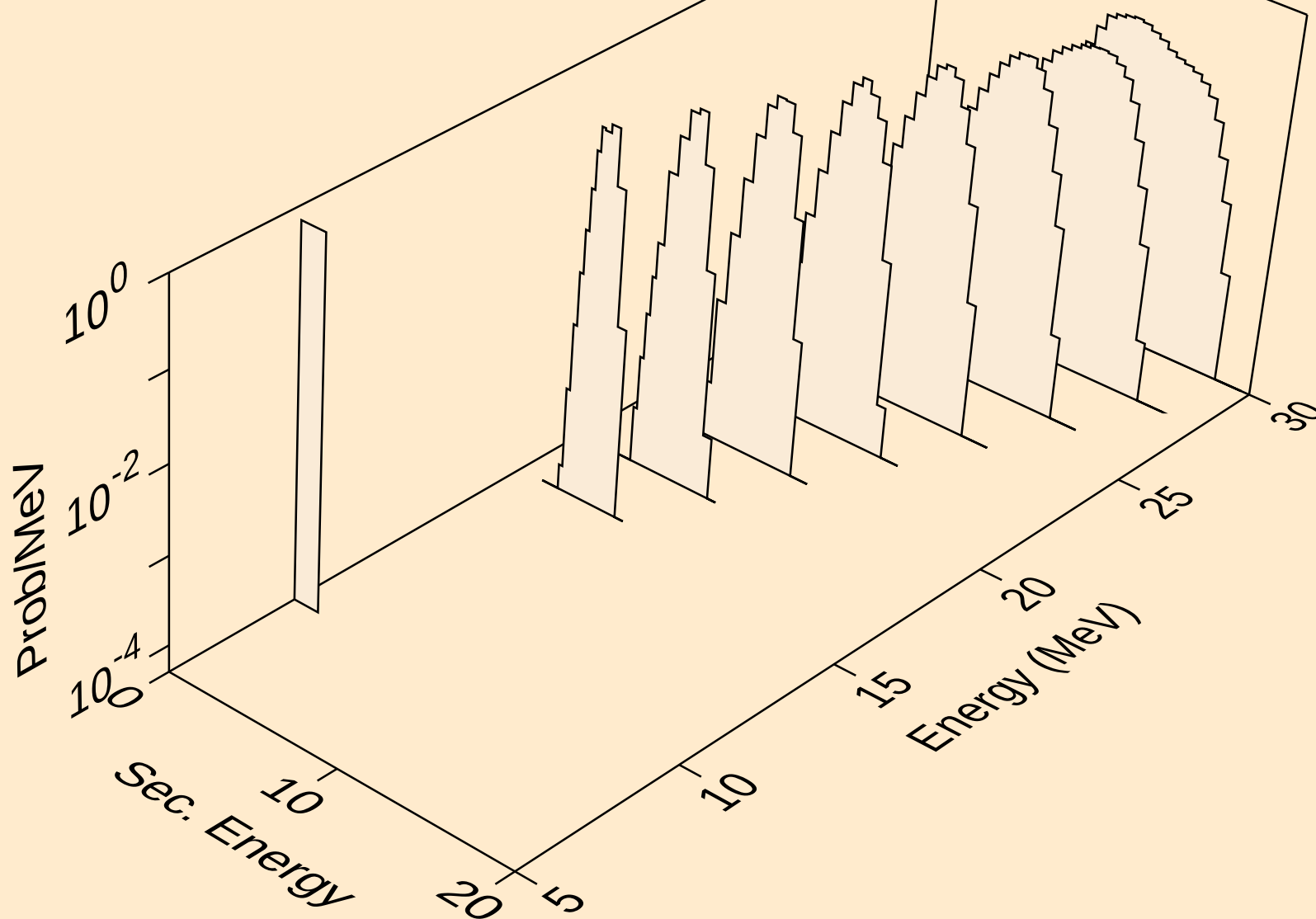
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,n\*)d



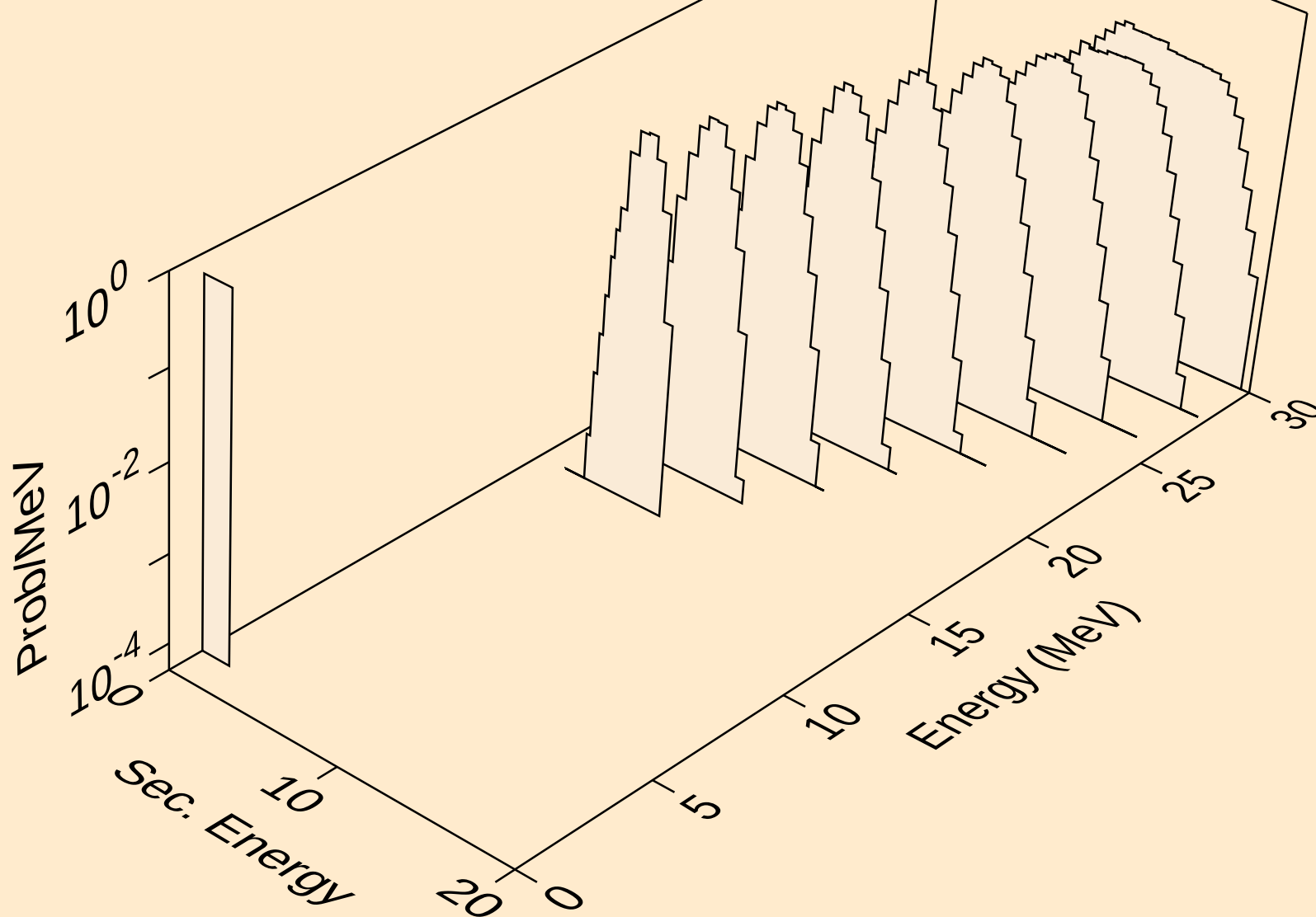
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deuterons from (p,d)



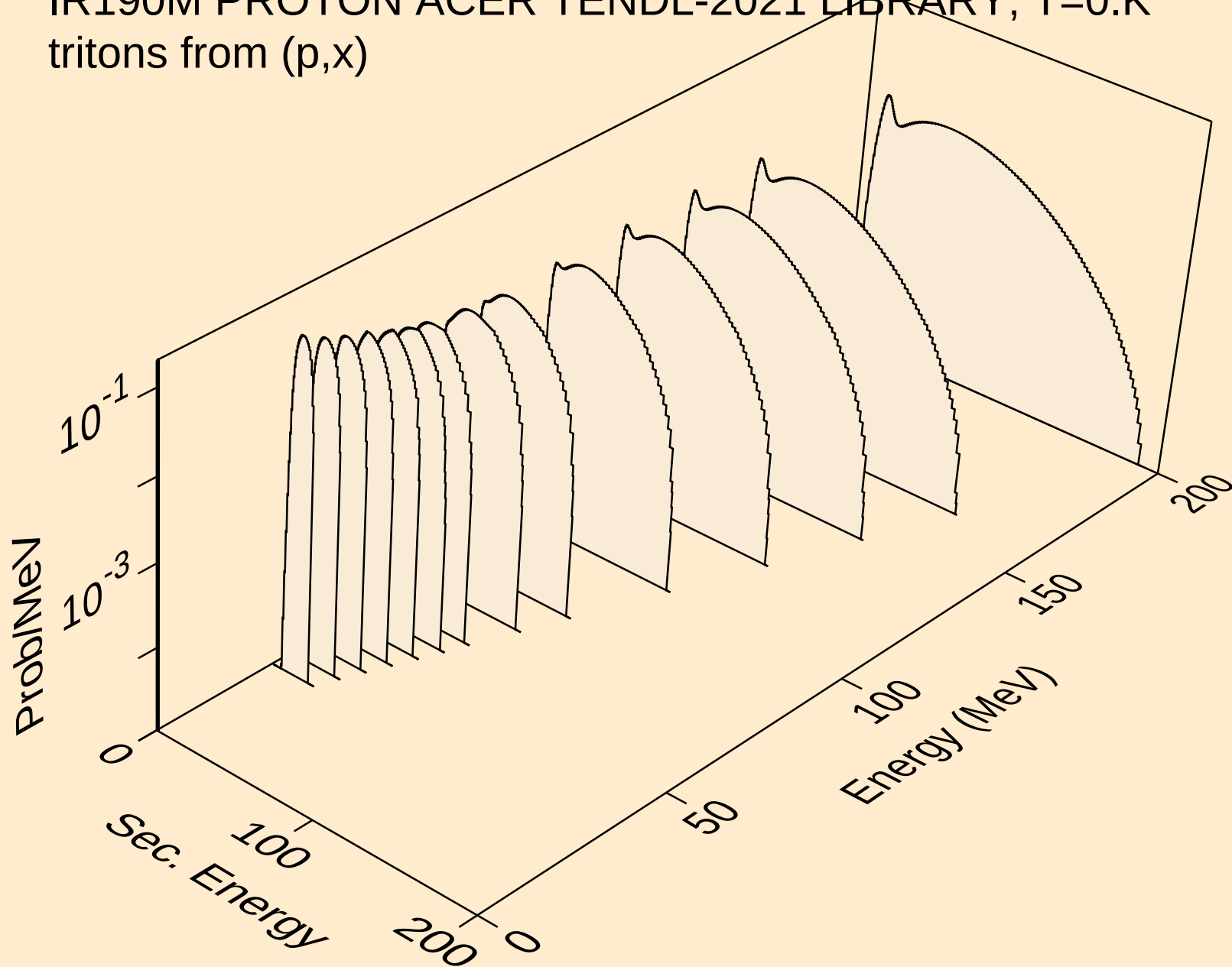
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deuterons from (p,pd)



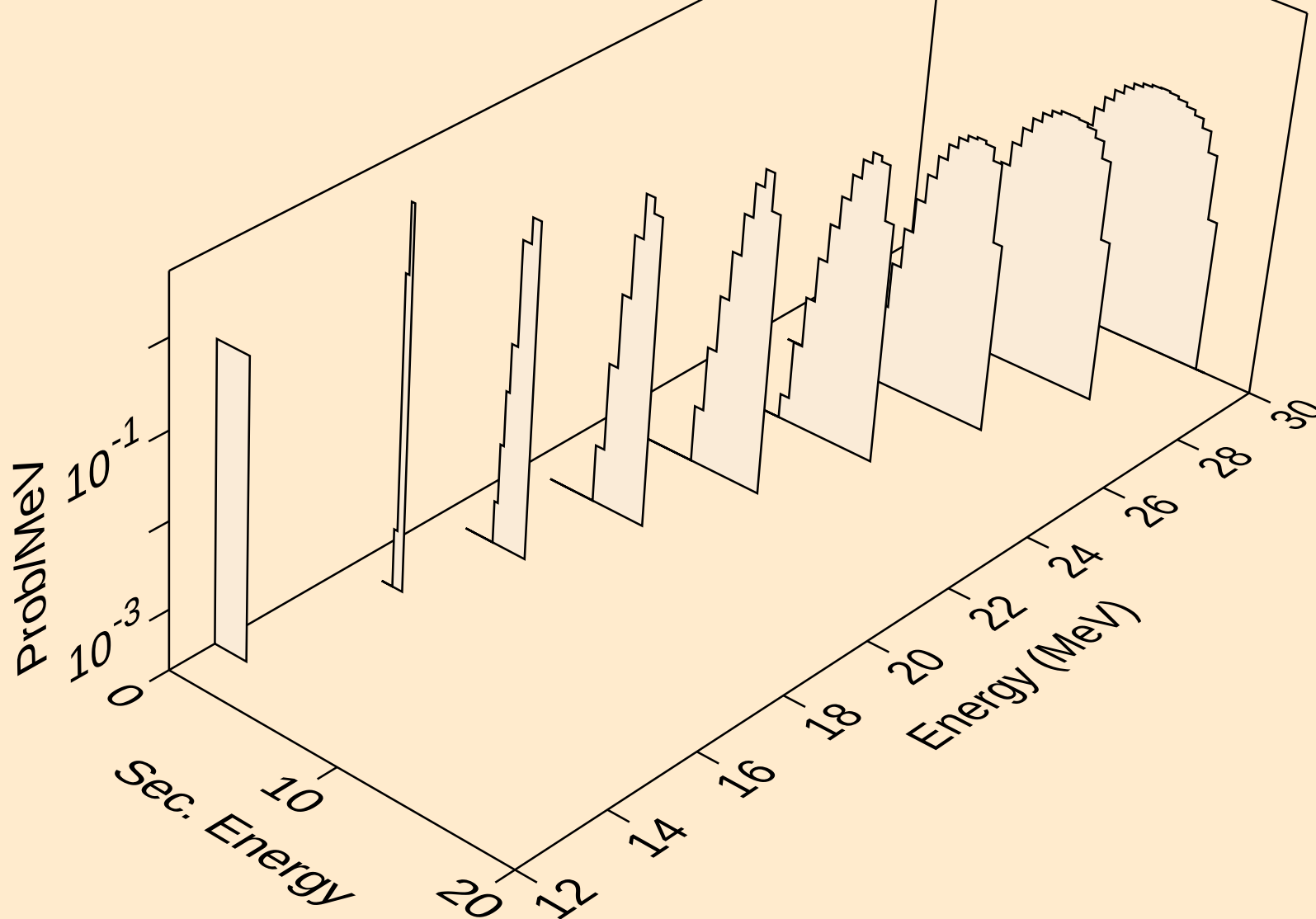
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deuterons from (p,da)



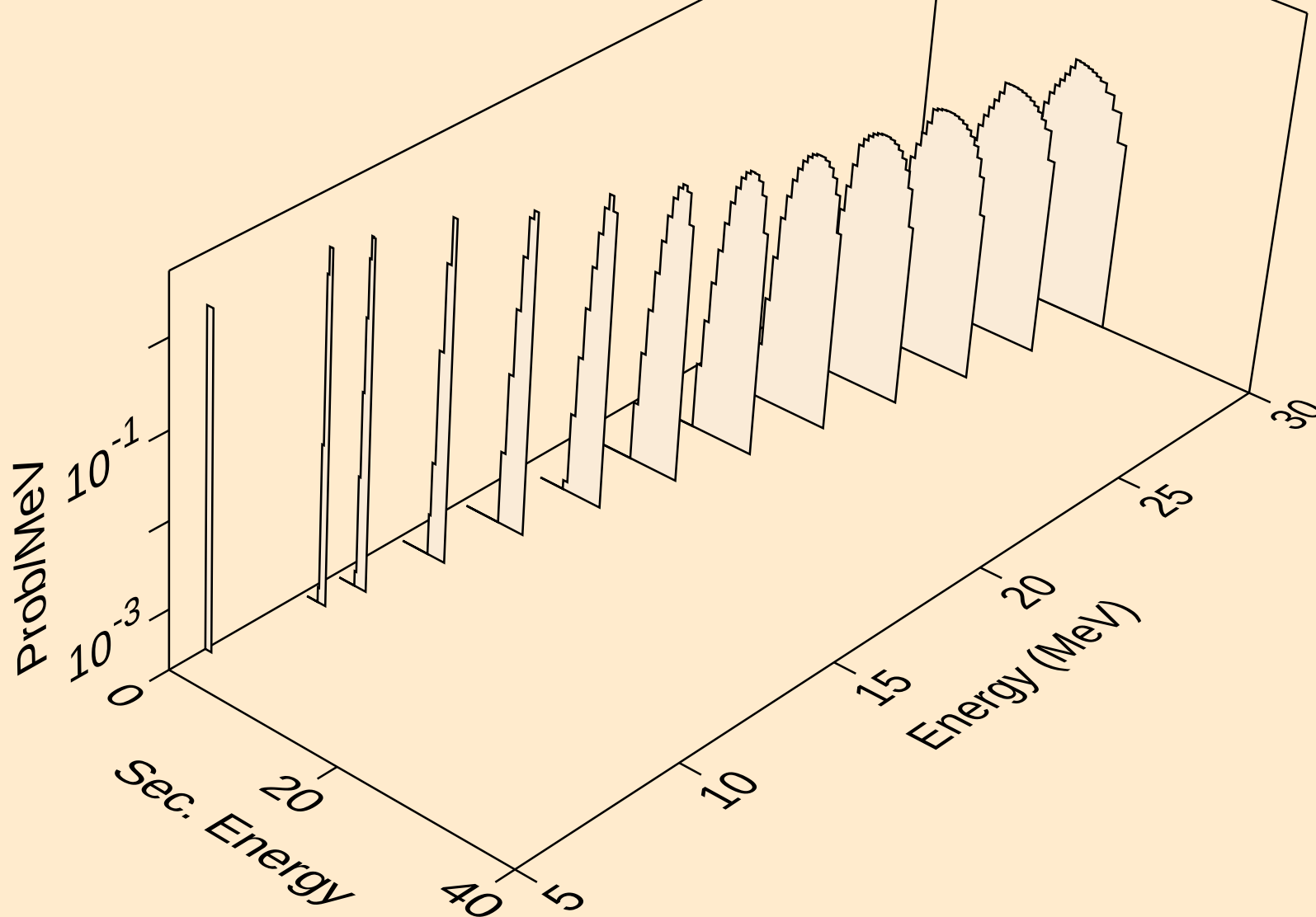
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,x)



IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,n\*)t

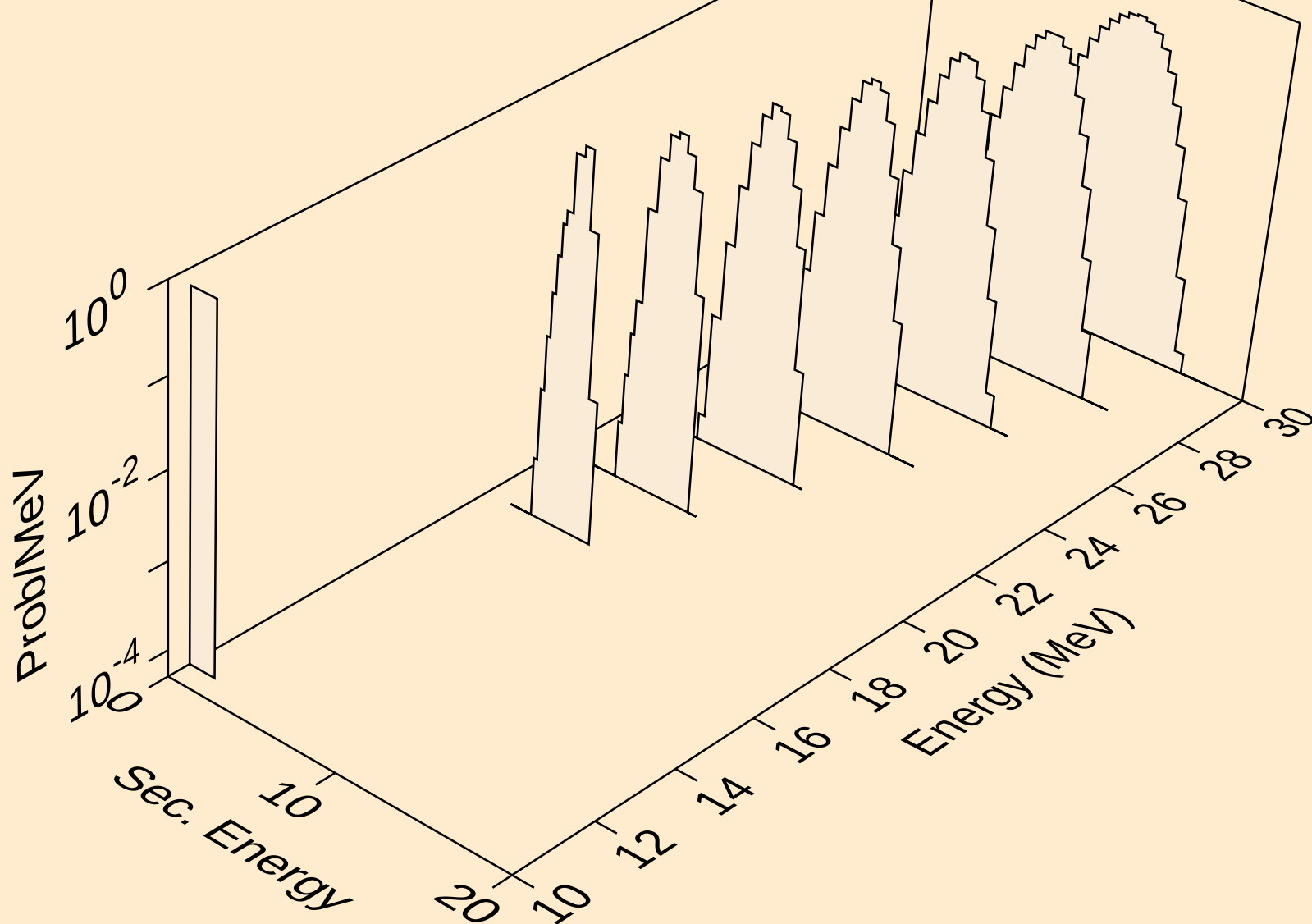


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tritons from (p,t)

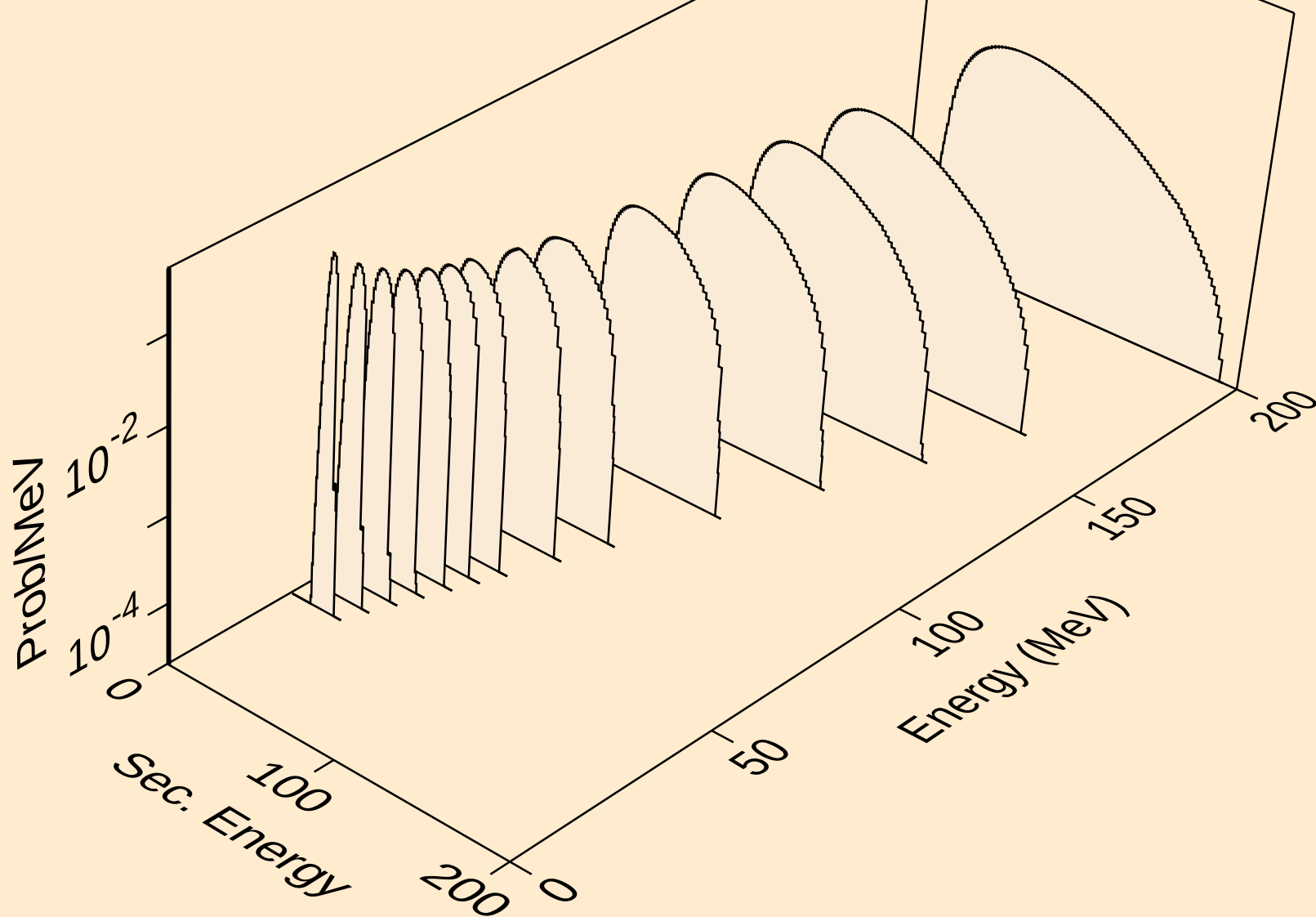




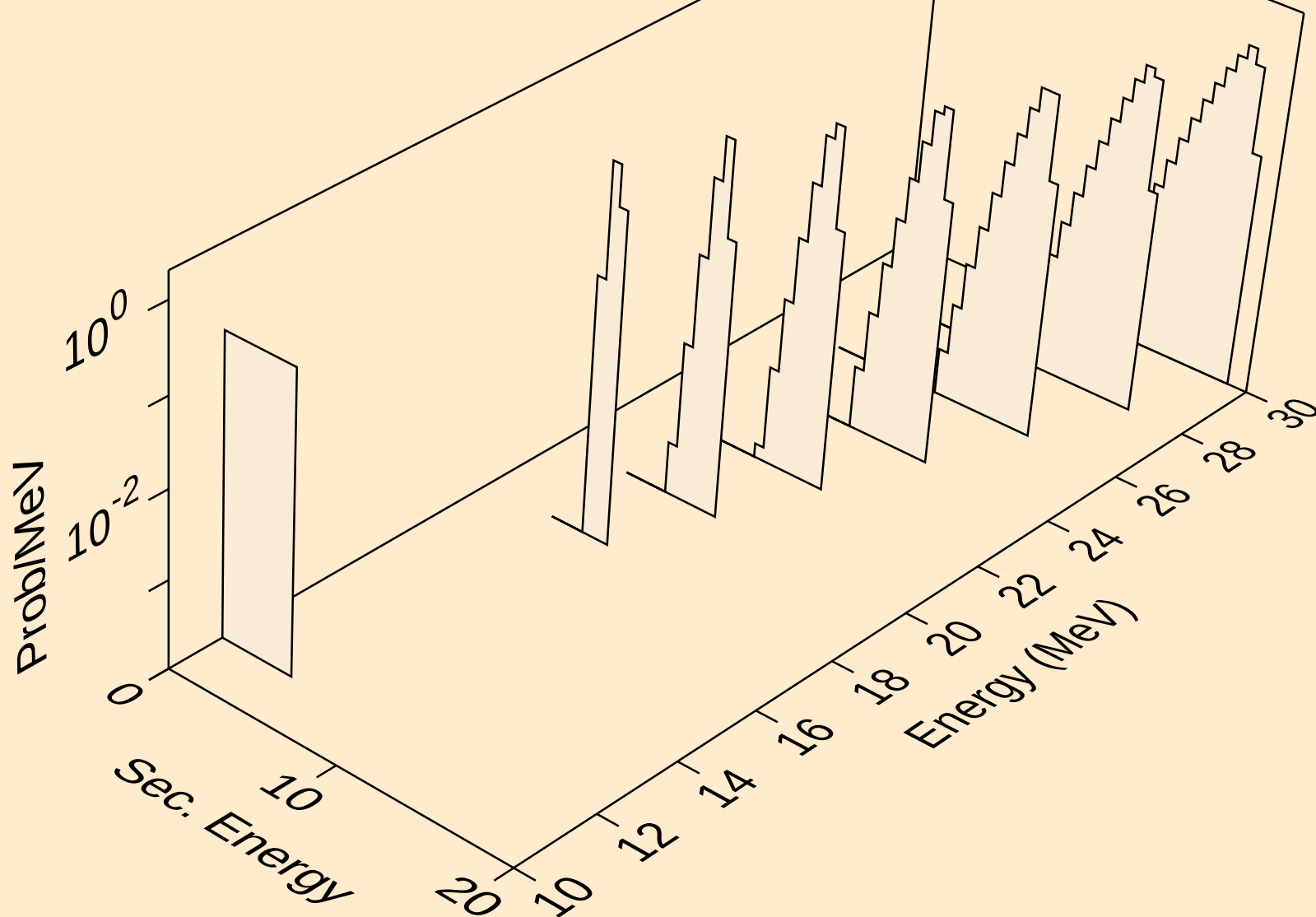
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tritons from (p,pt)



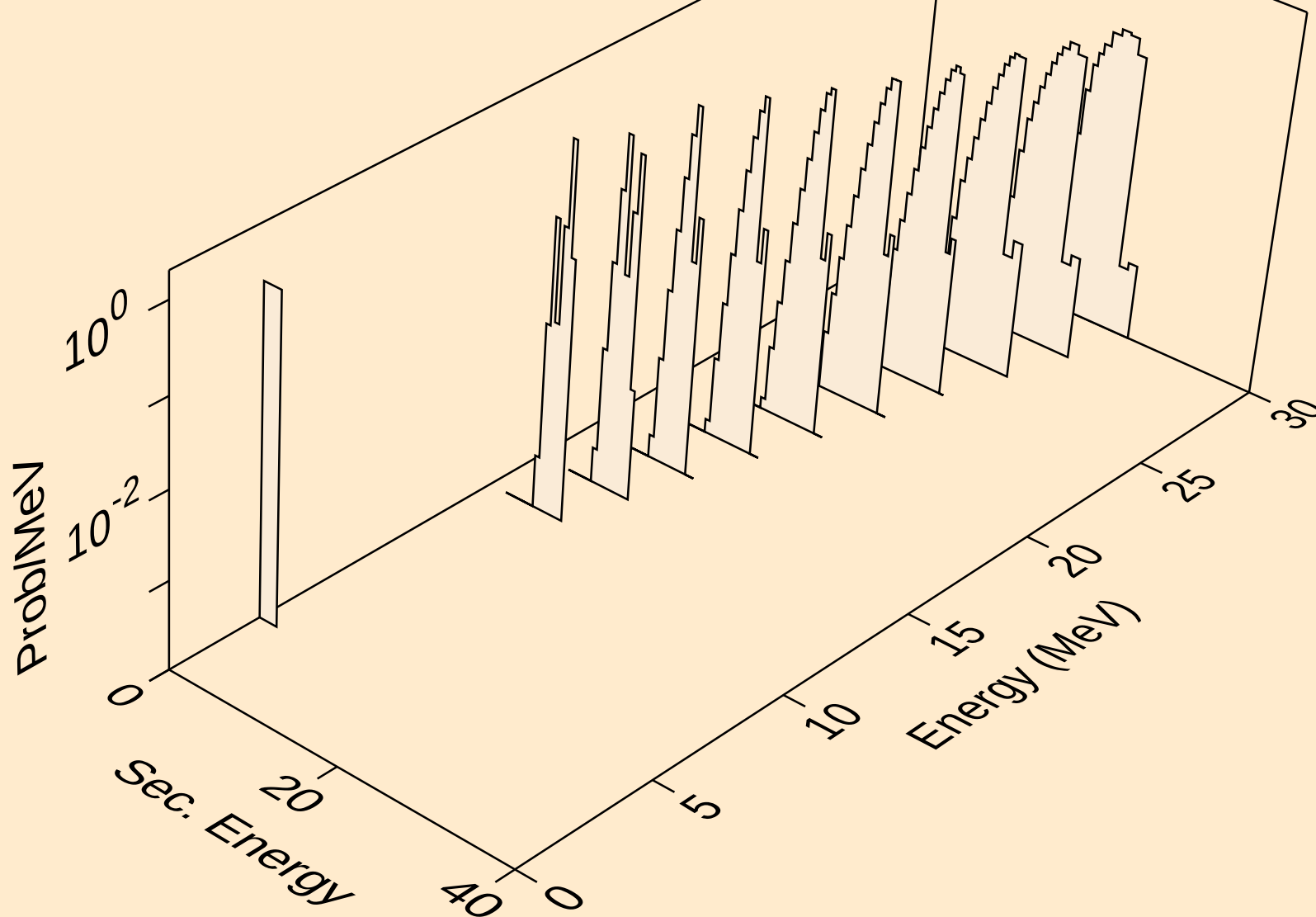
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he3s from (p,x)



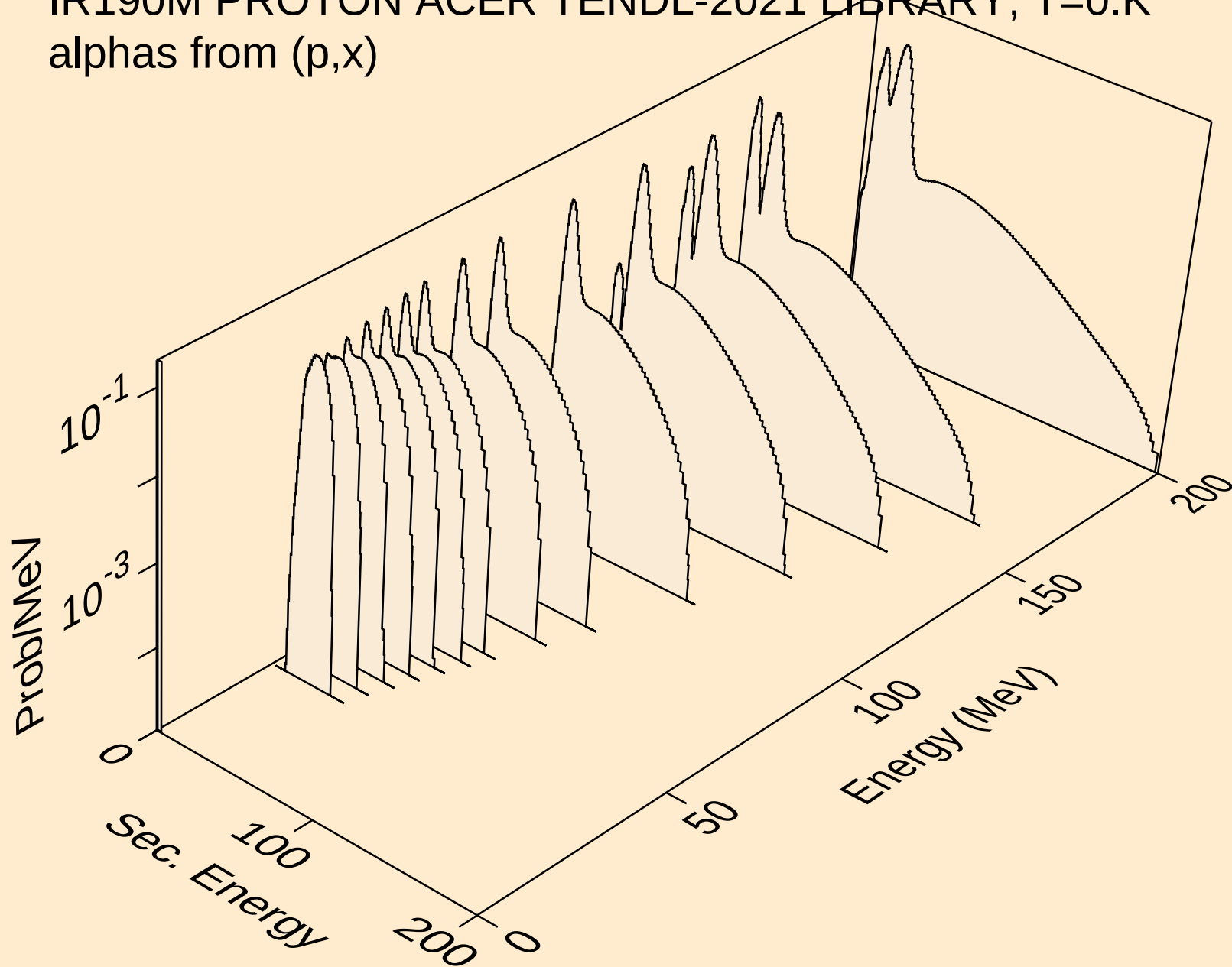
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he3s from (p,n\*)he3



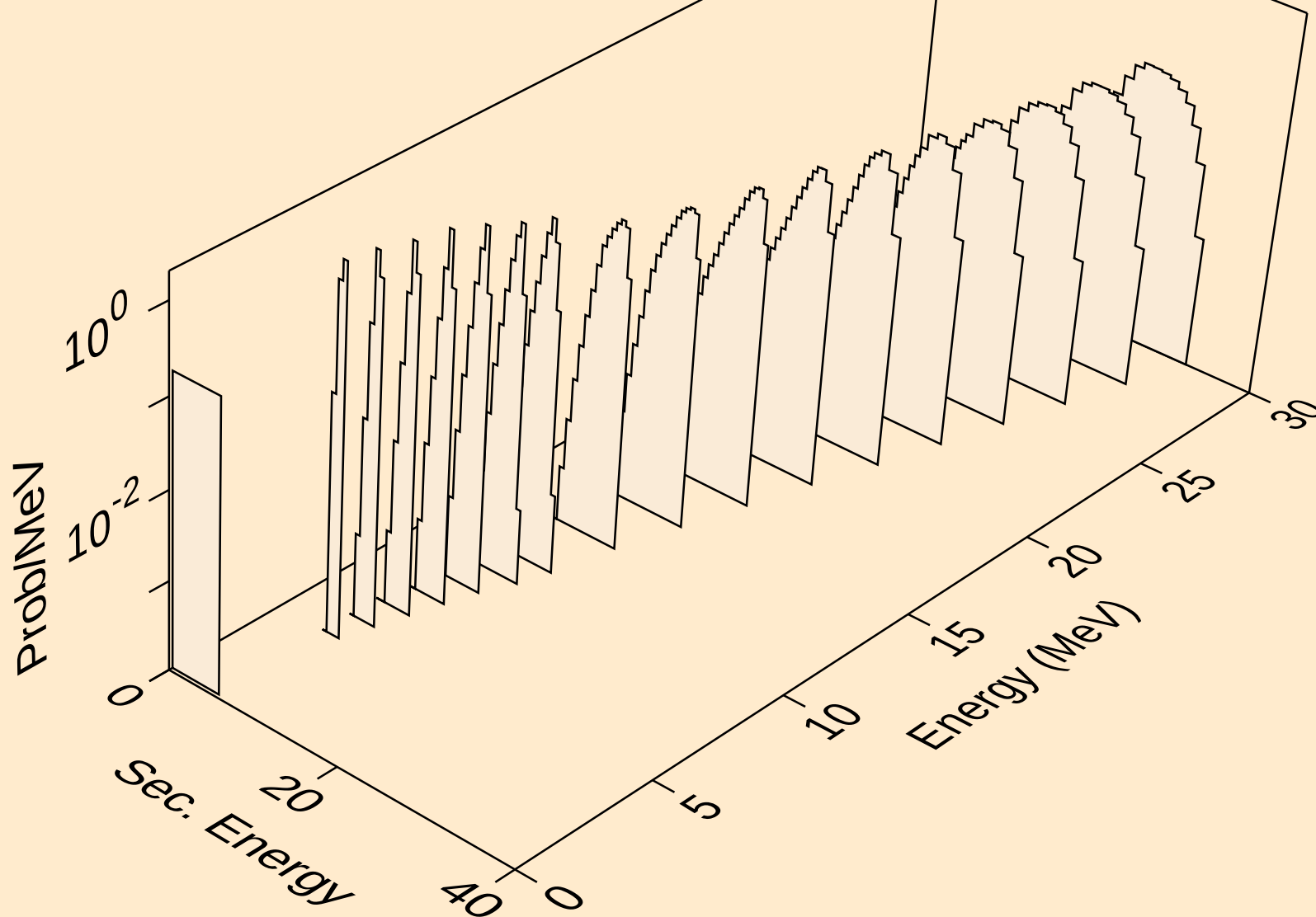
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he3s from (p,he3)



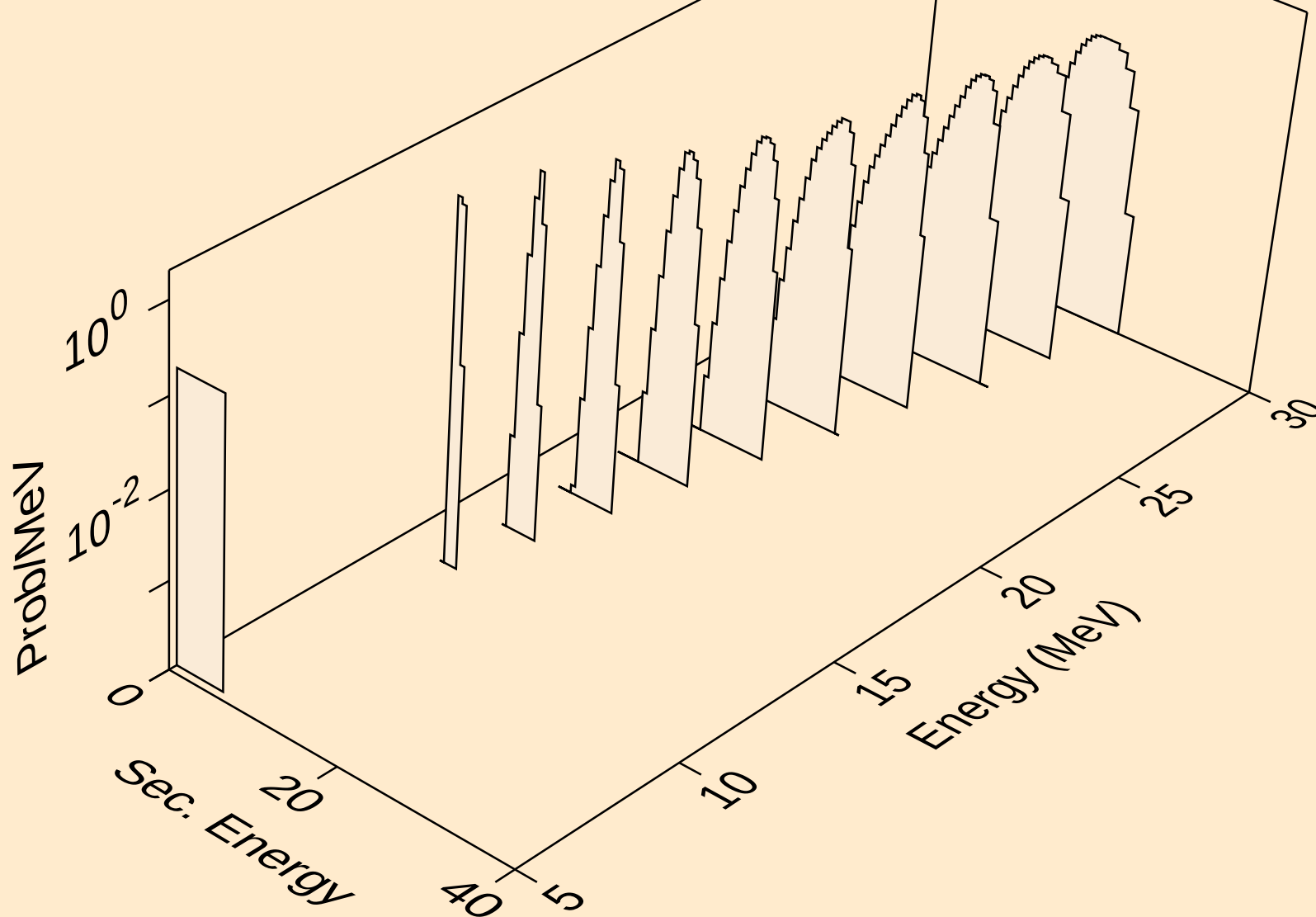
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,x)



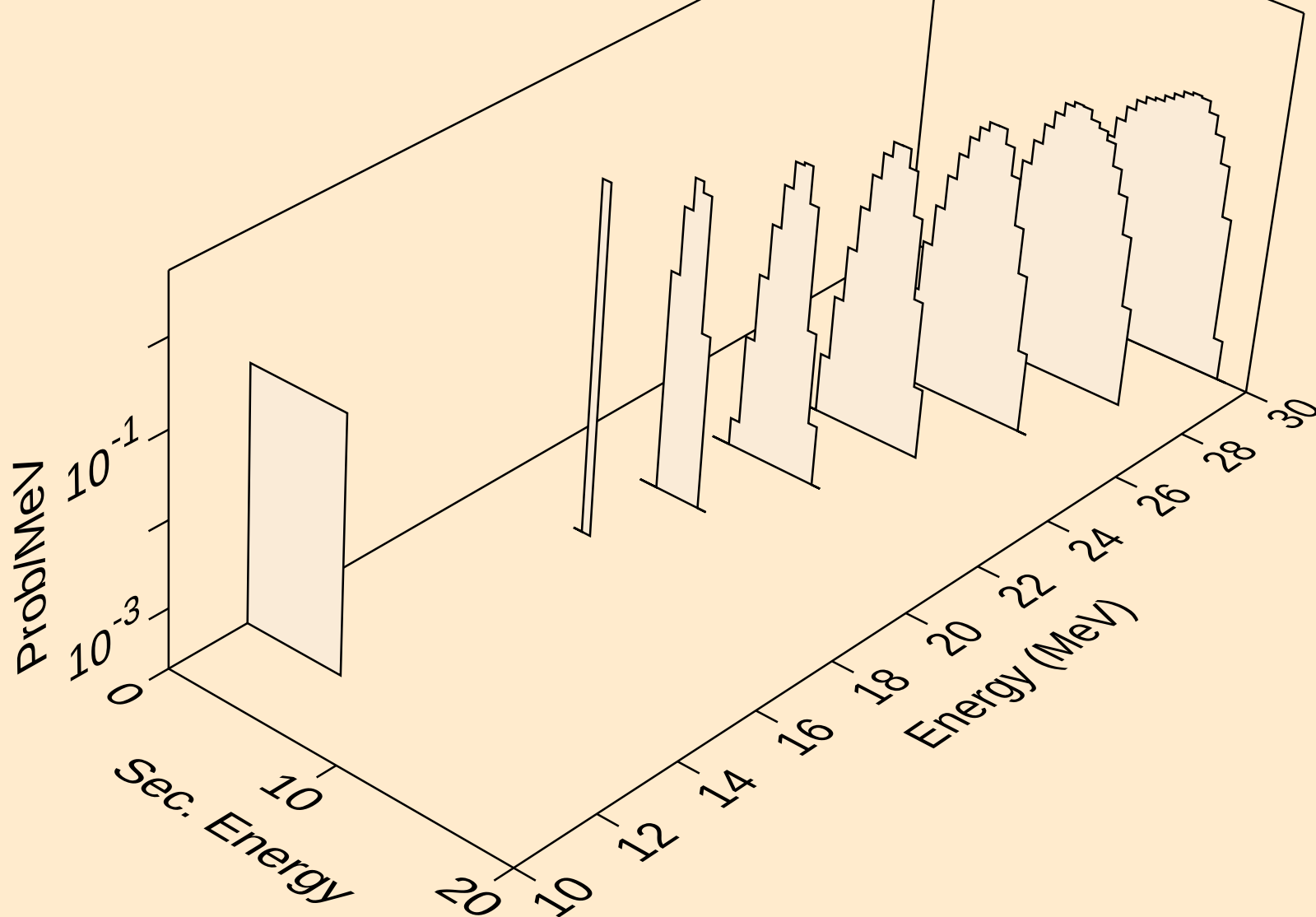
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)a



IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2n)a

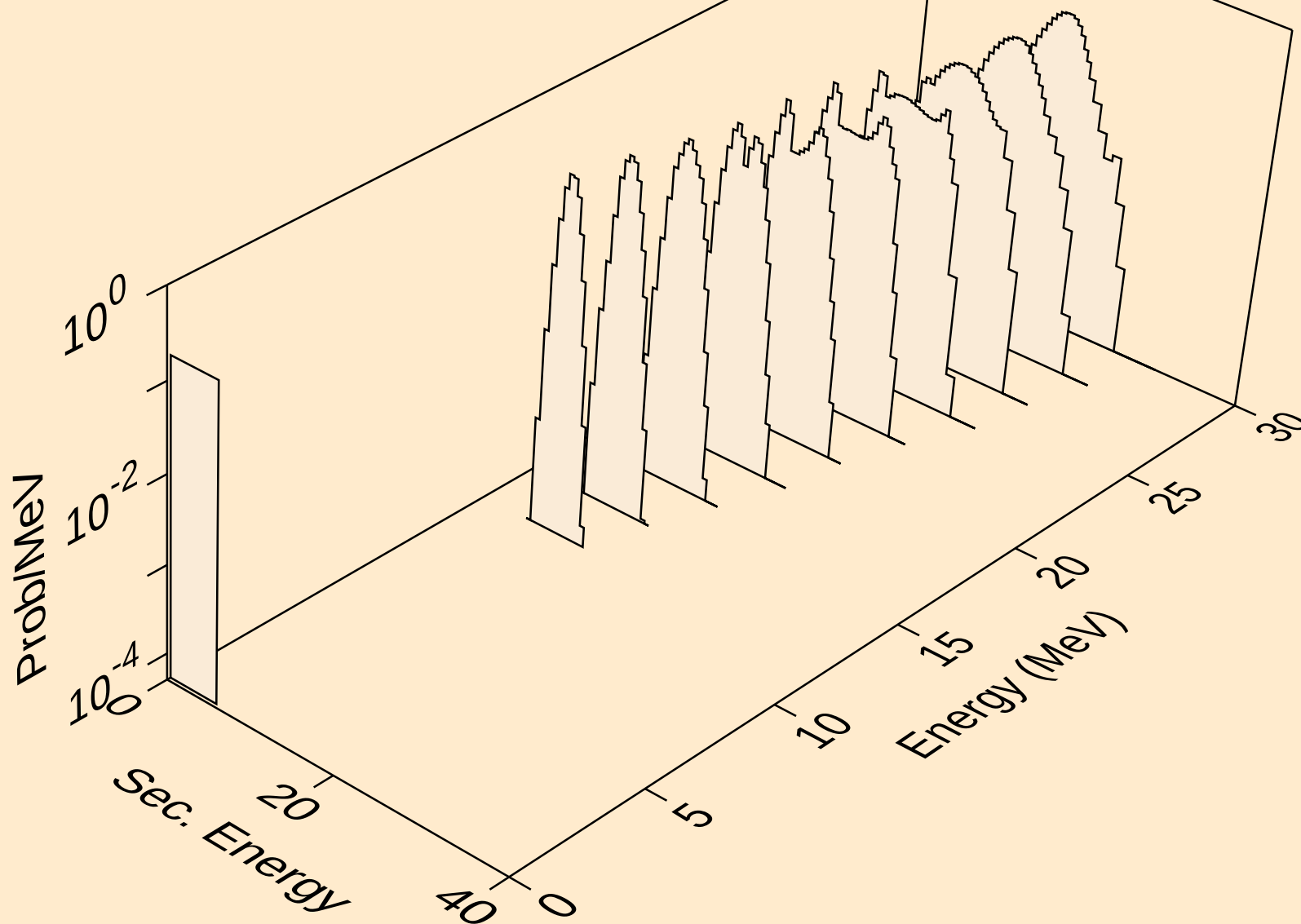


IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,3n)a

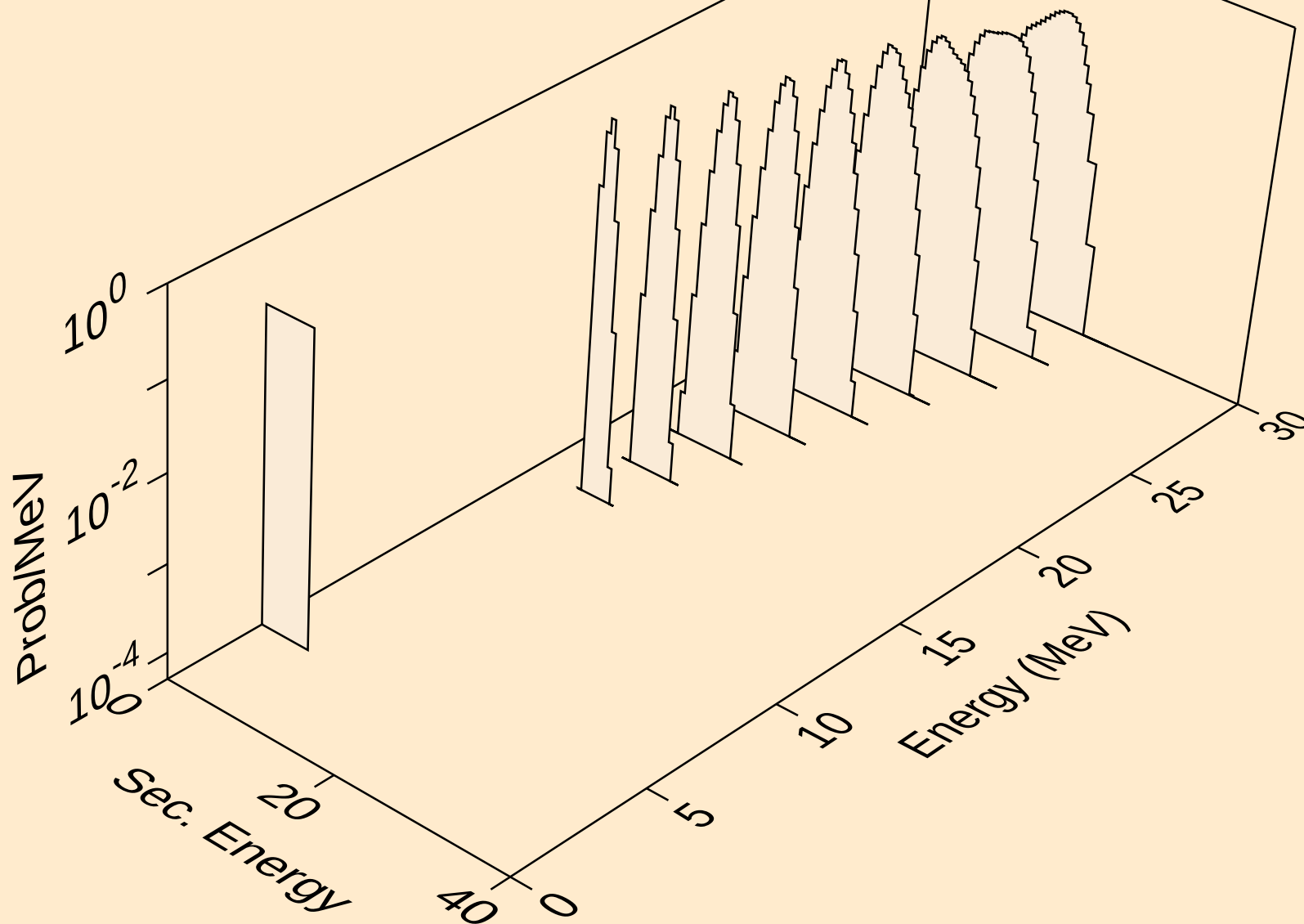




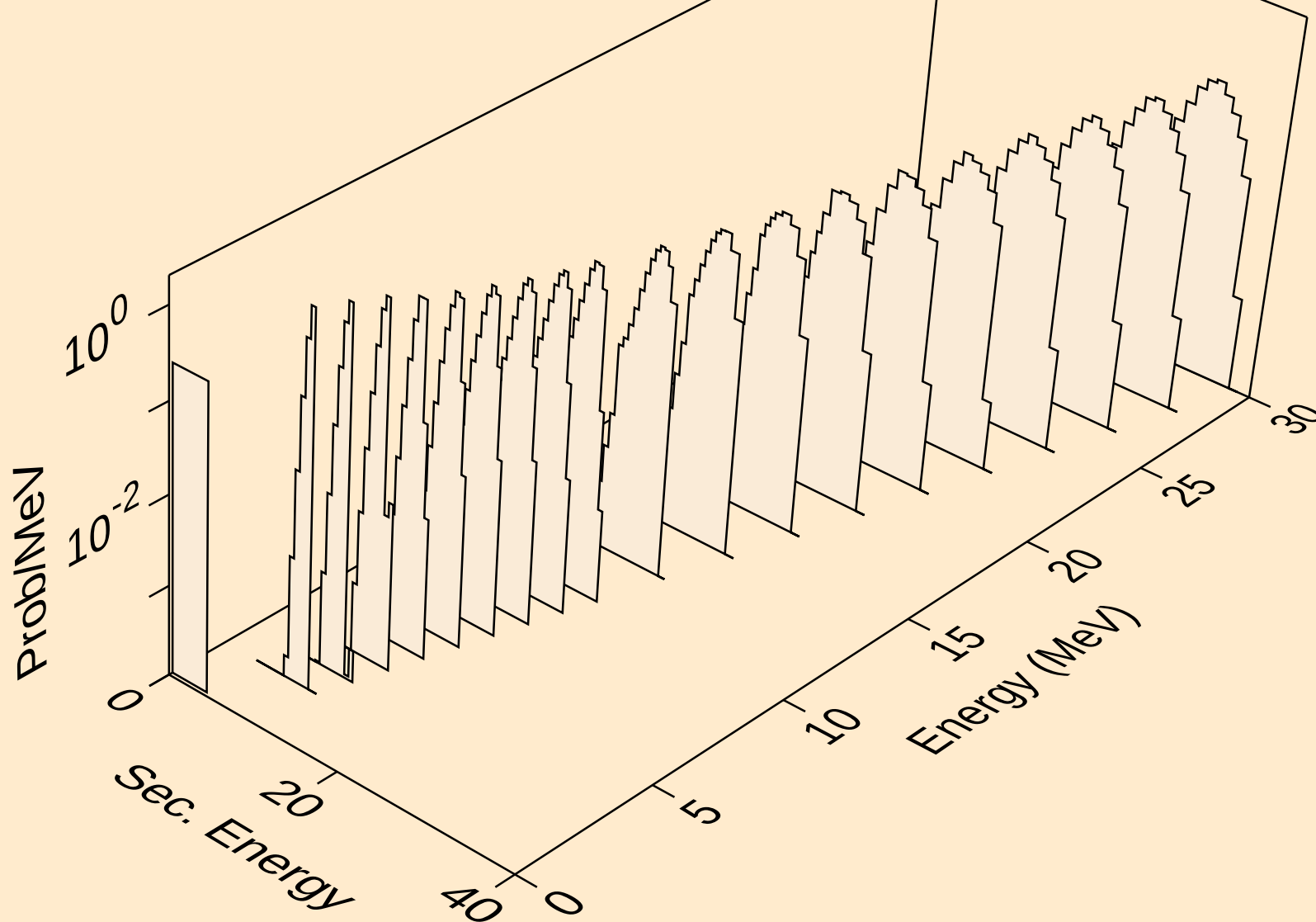
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,n\*)2a



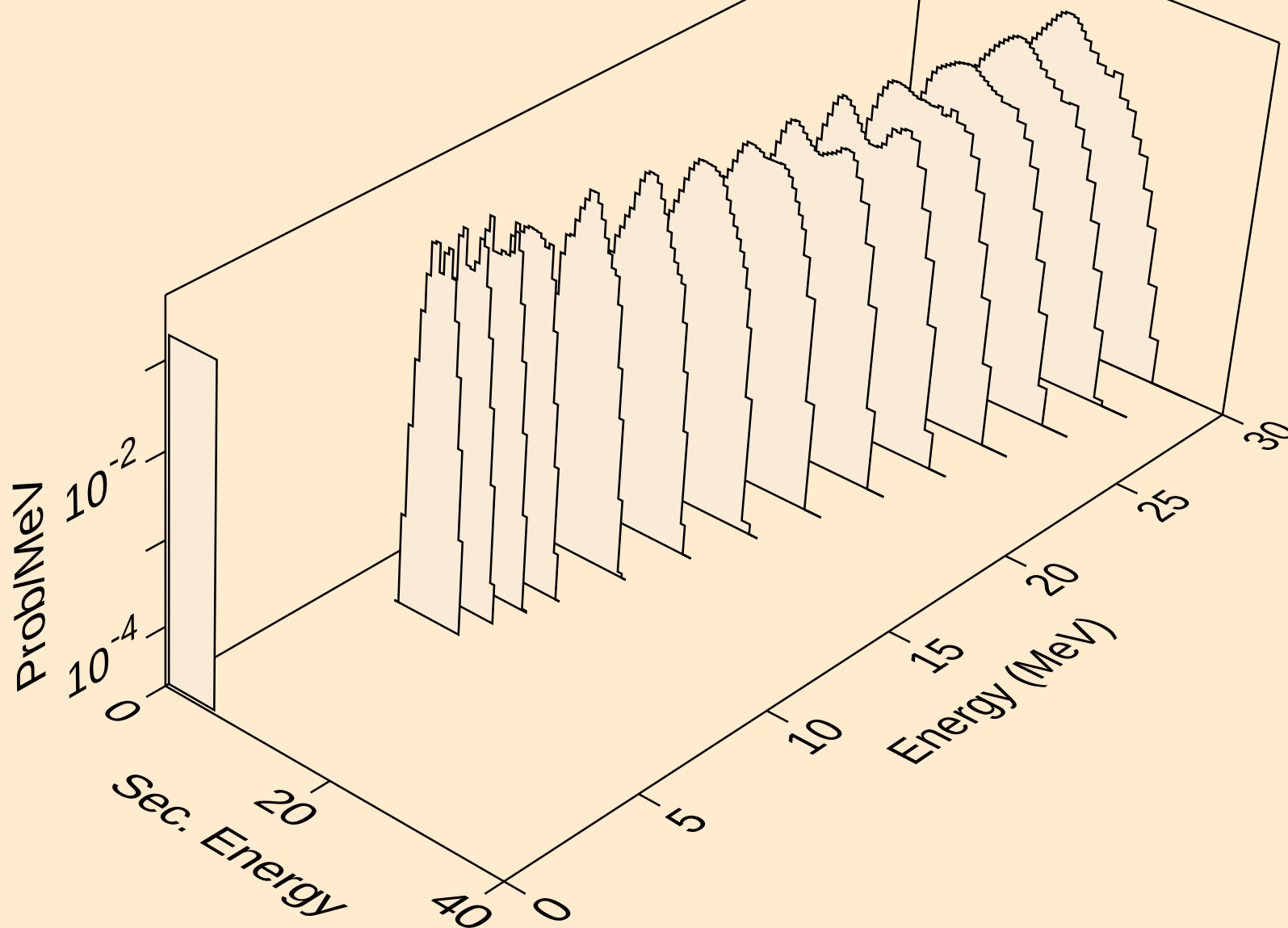
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alphas from (p,npa)



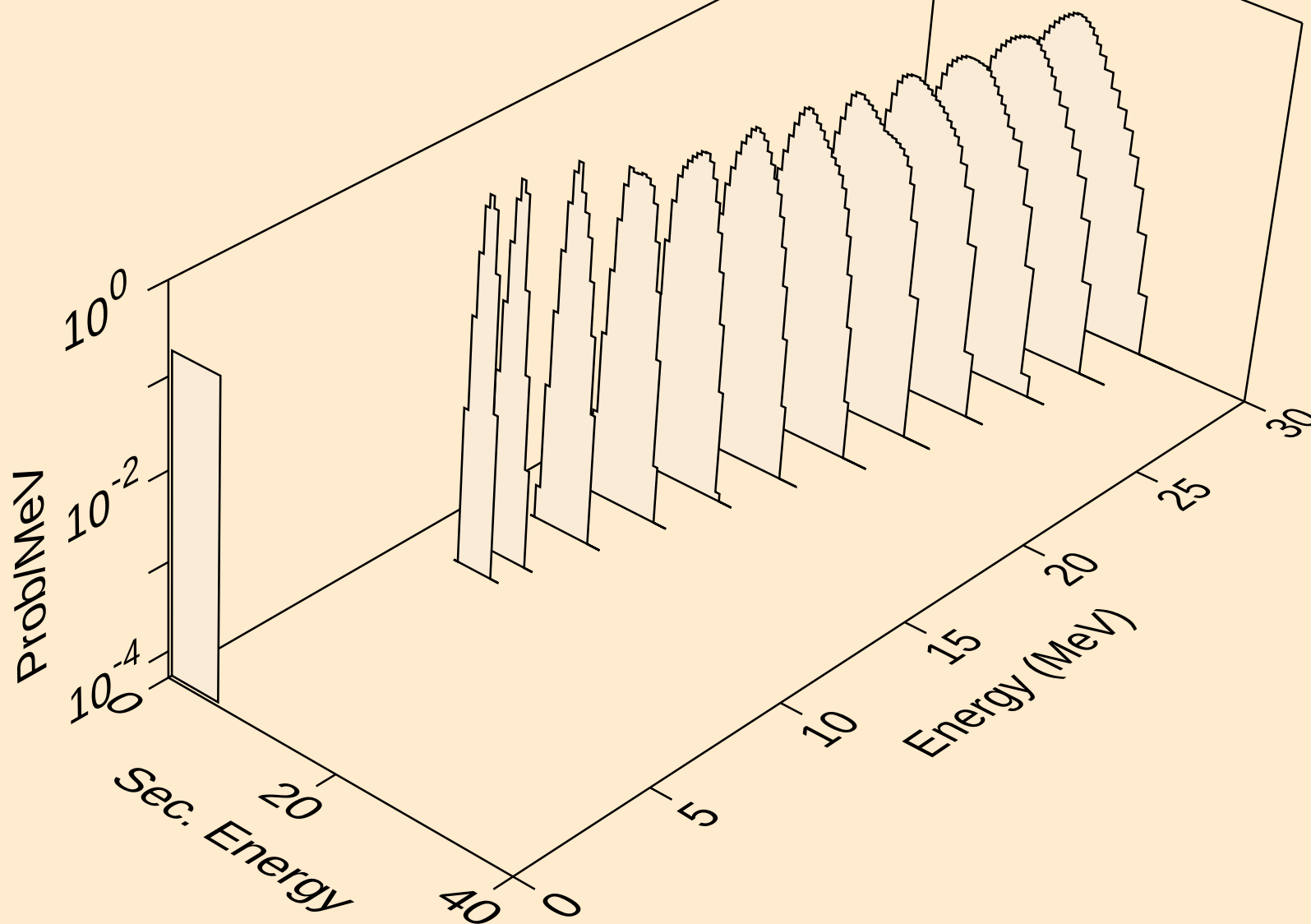
IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,a)



IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,2a)



IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,pa)



IR190M PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,da)

