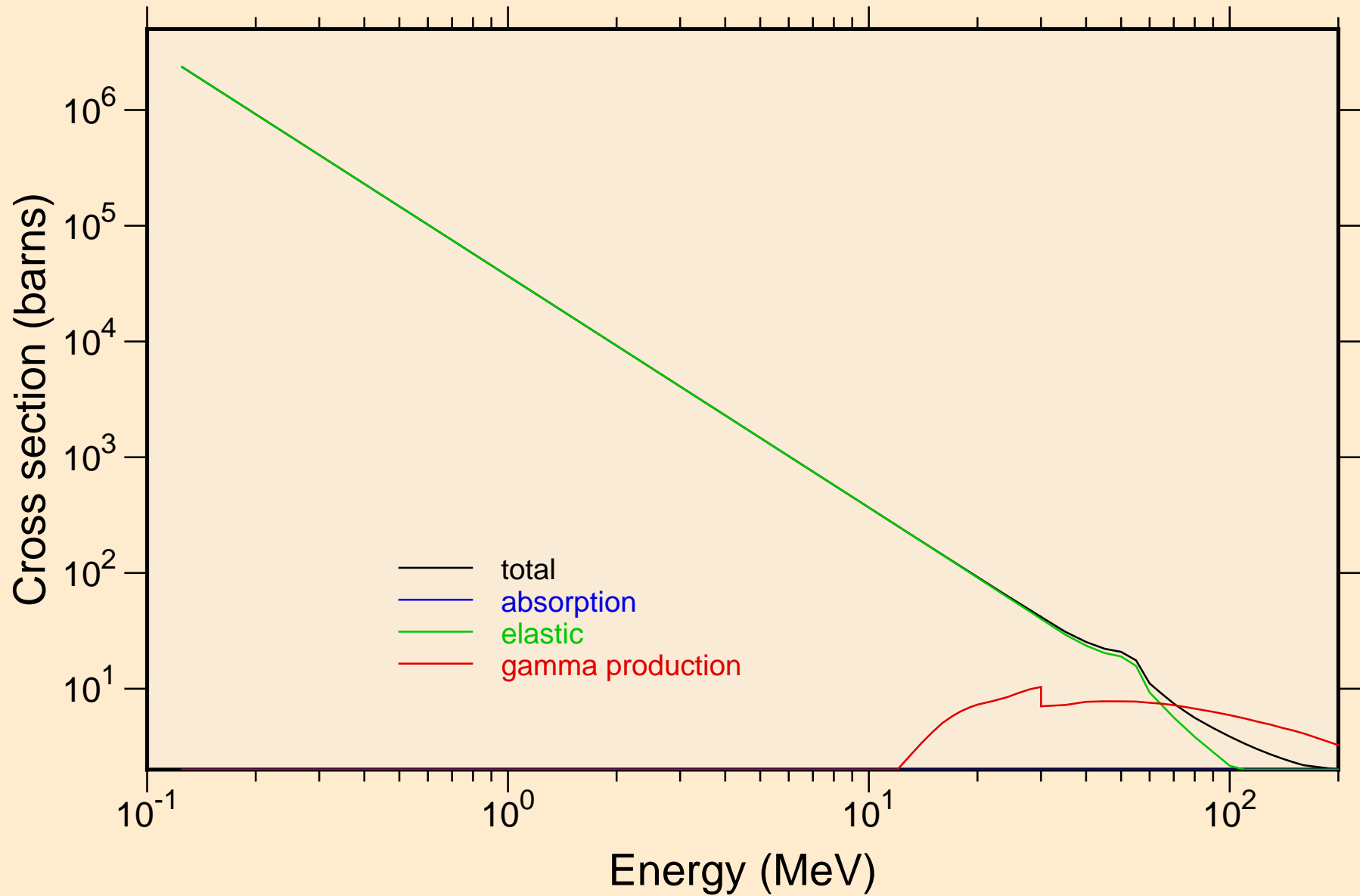
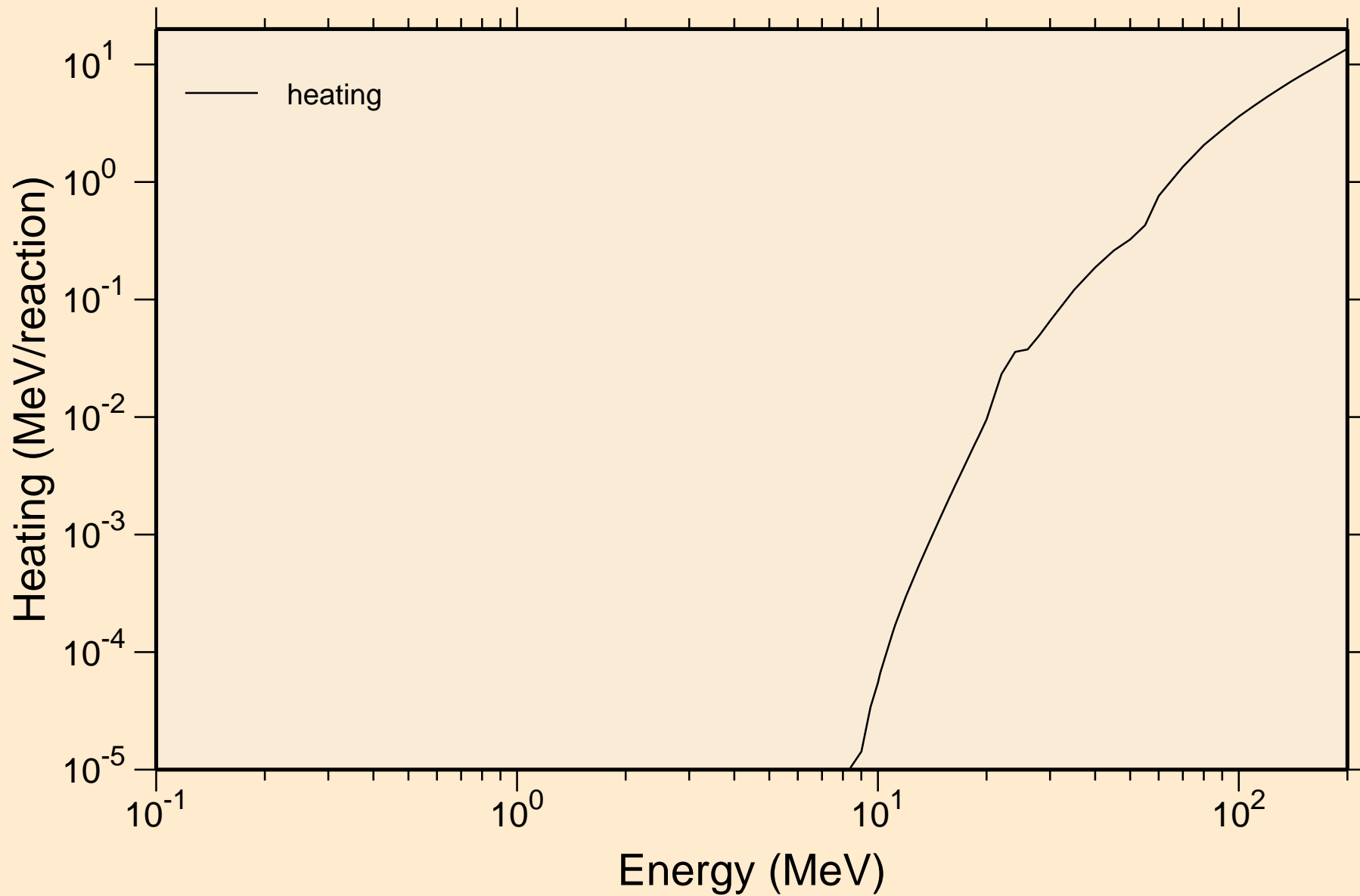


# IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

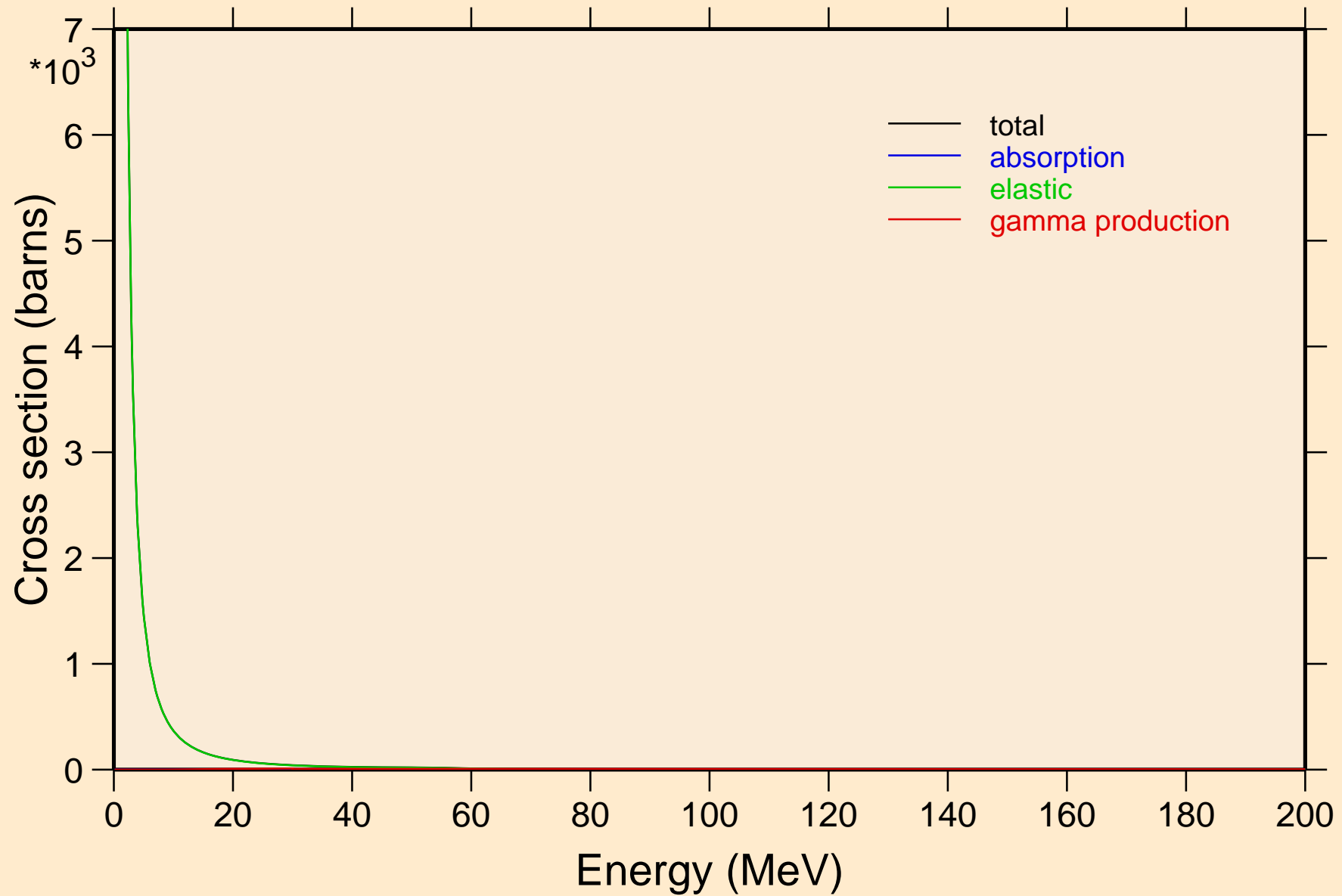


IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



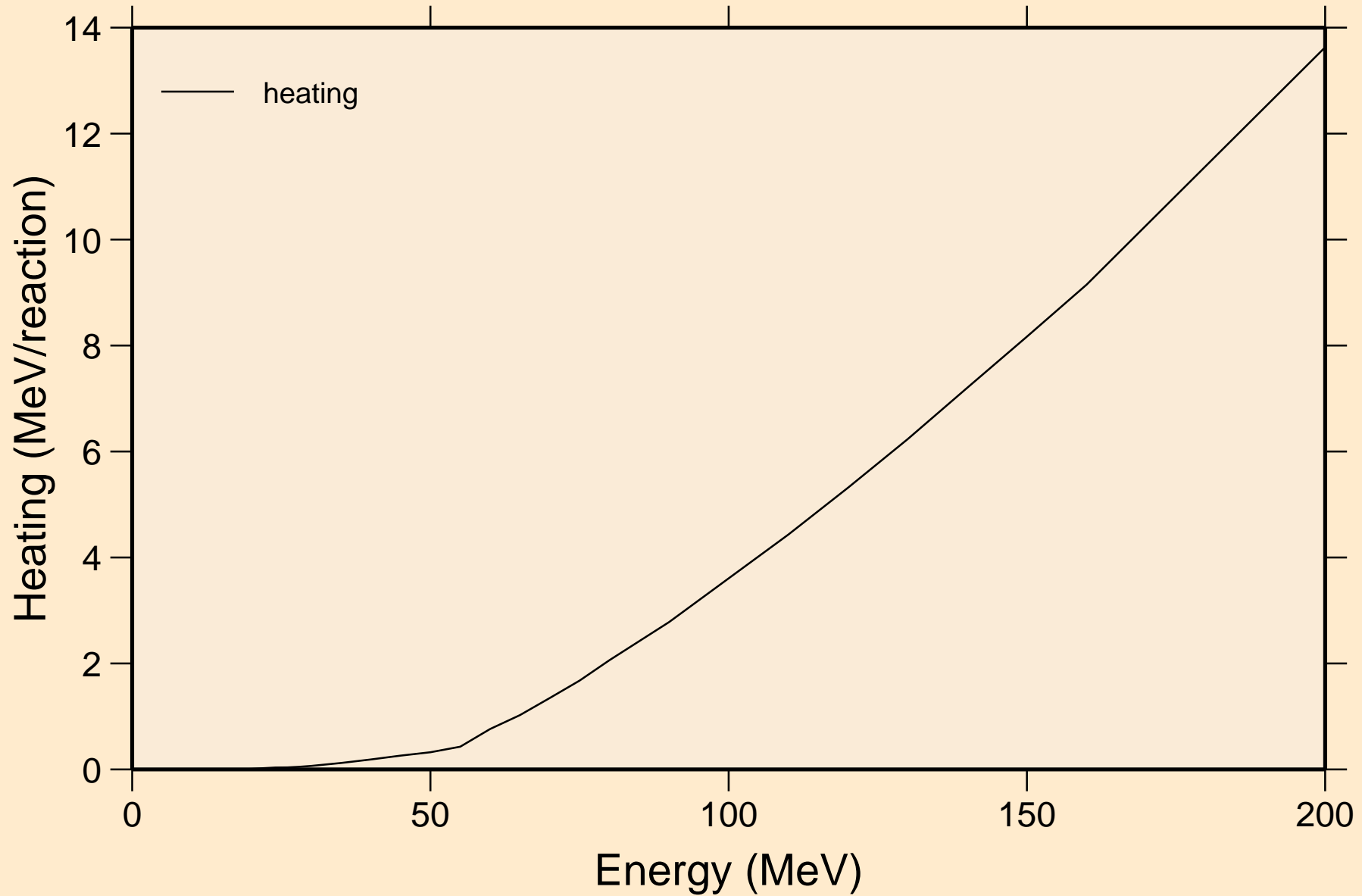
# IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



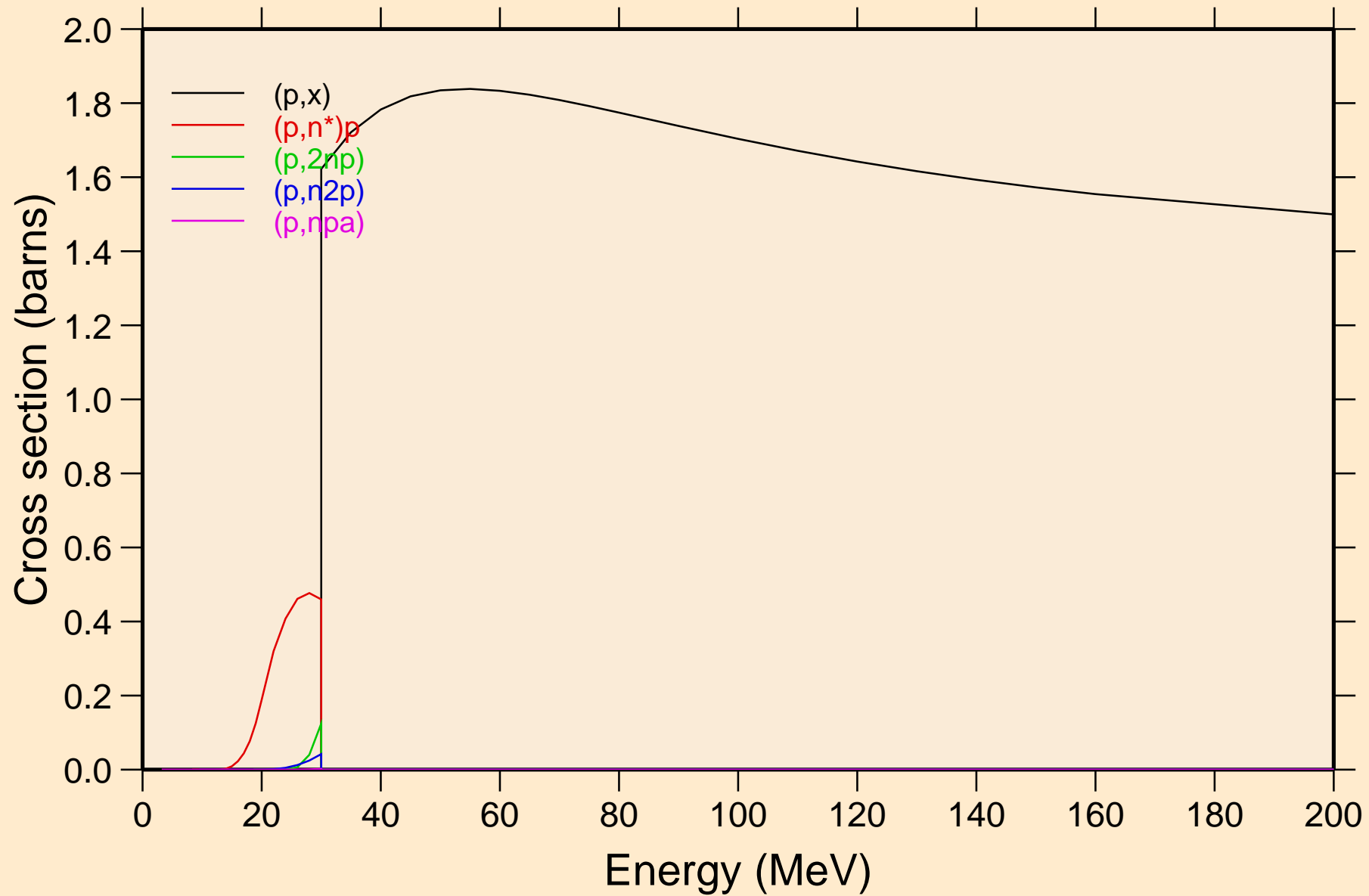
# IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



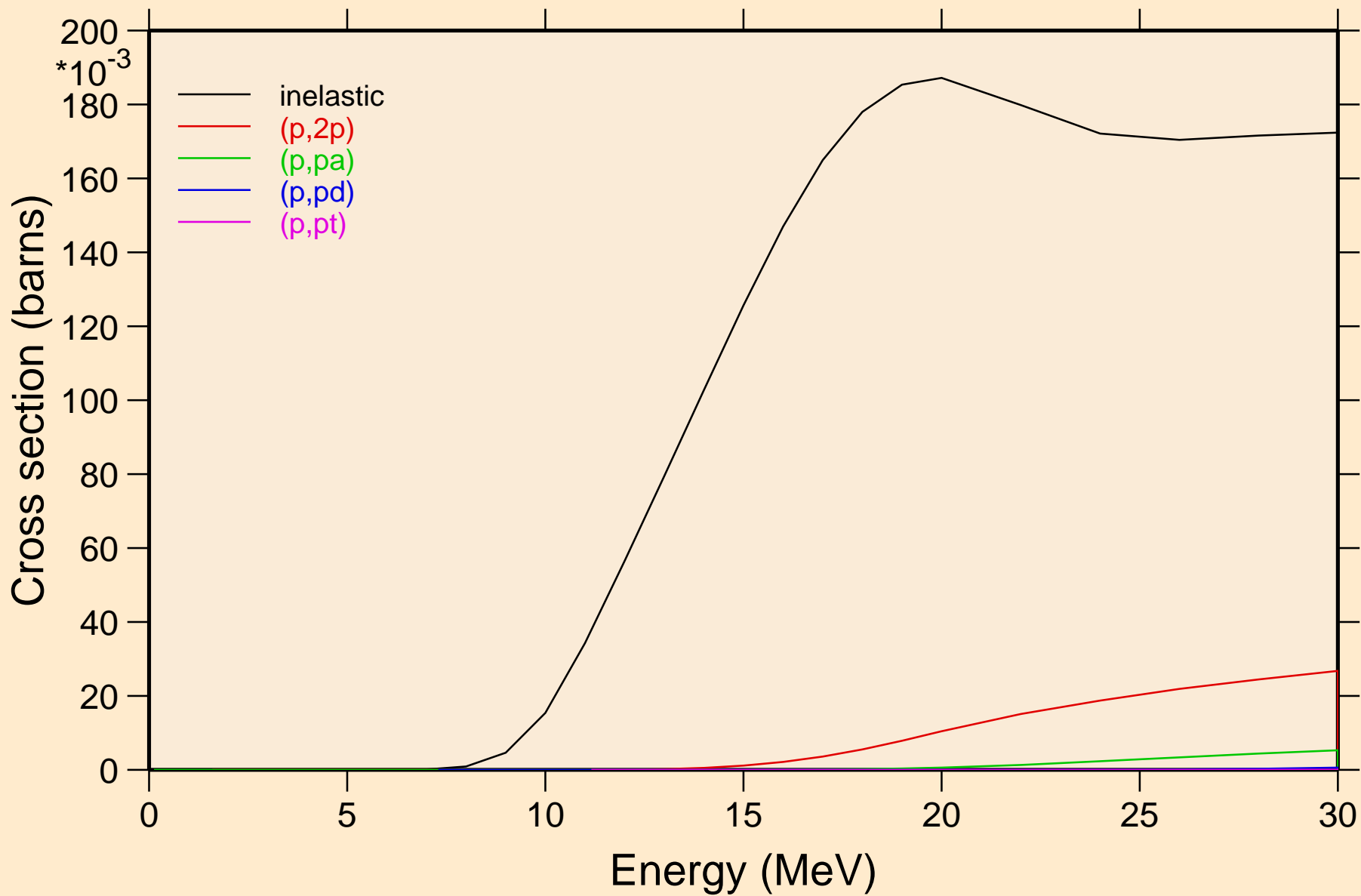
# IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

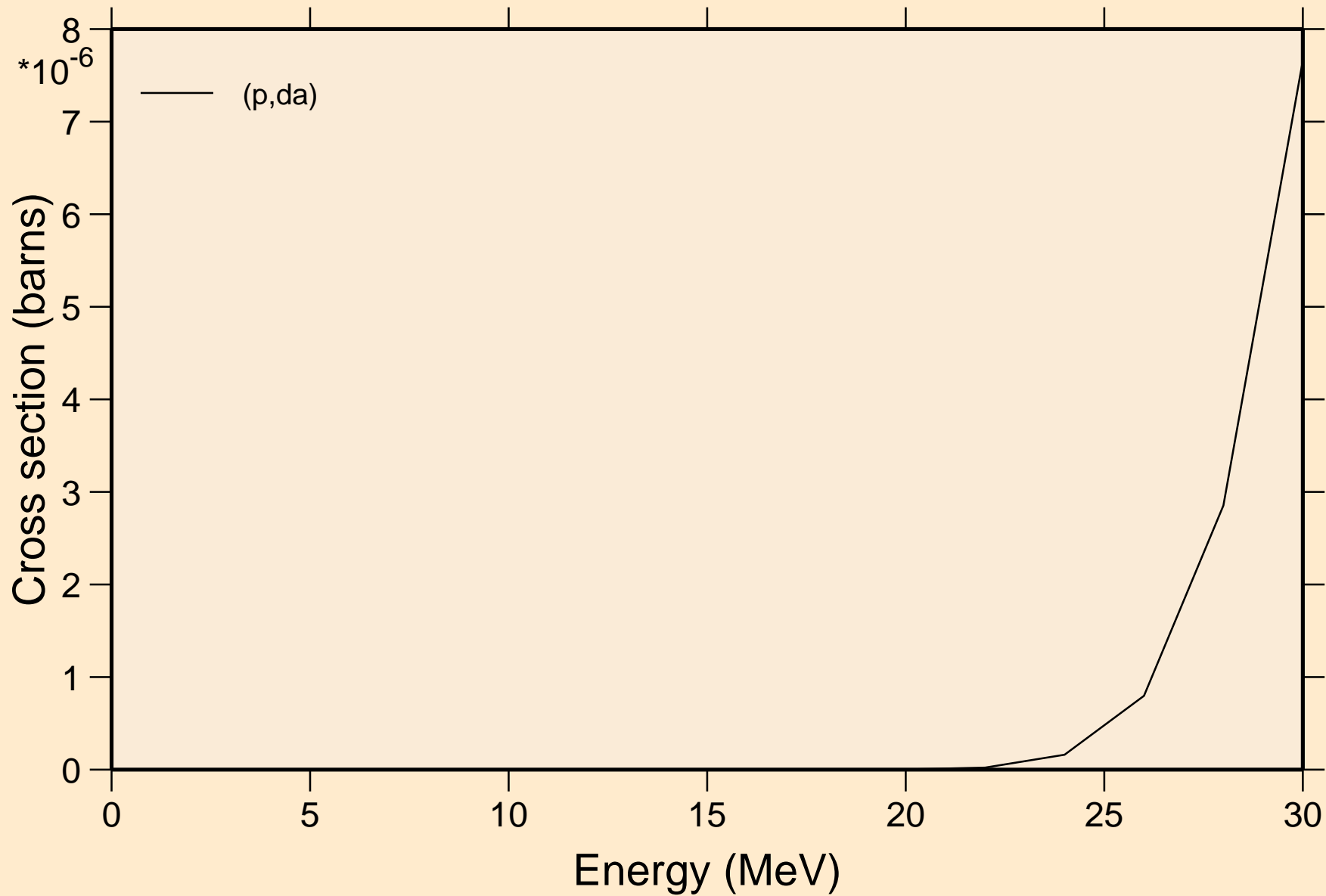


# IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K

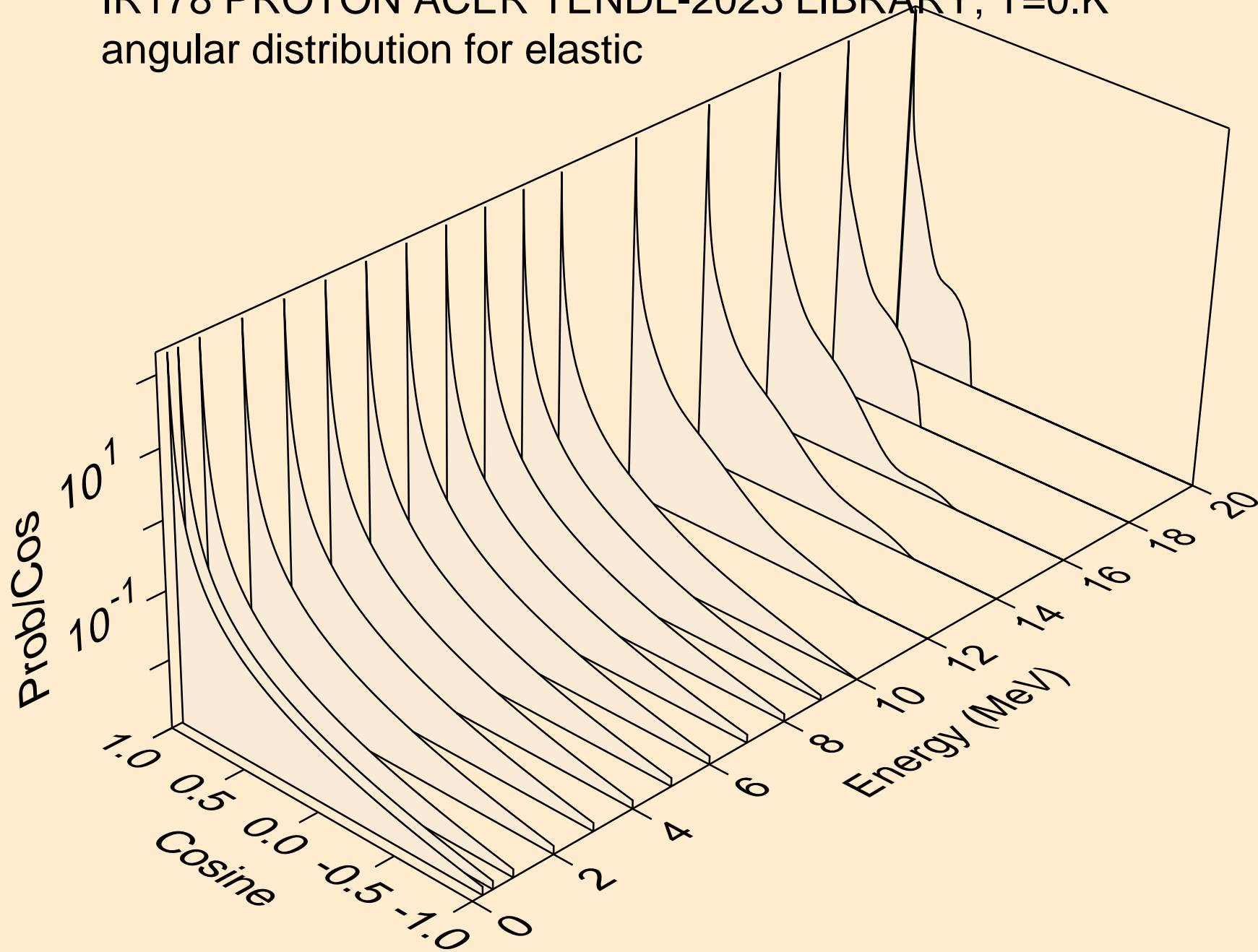
## Threshold reactions



IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

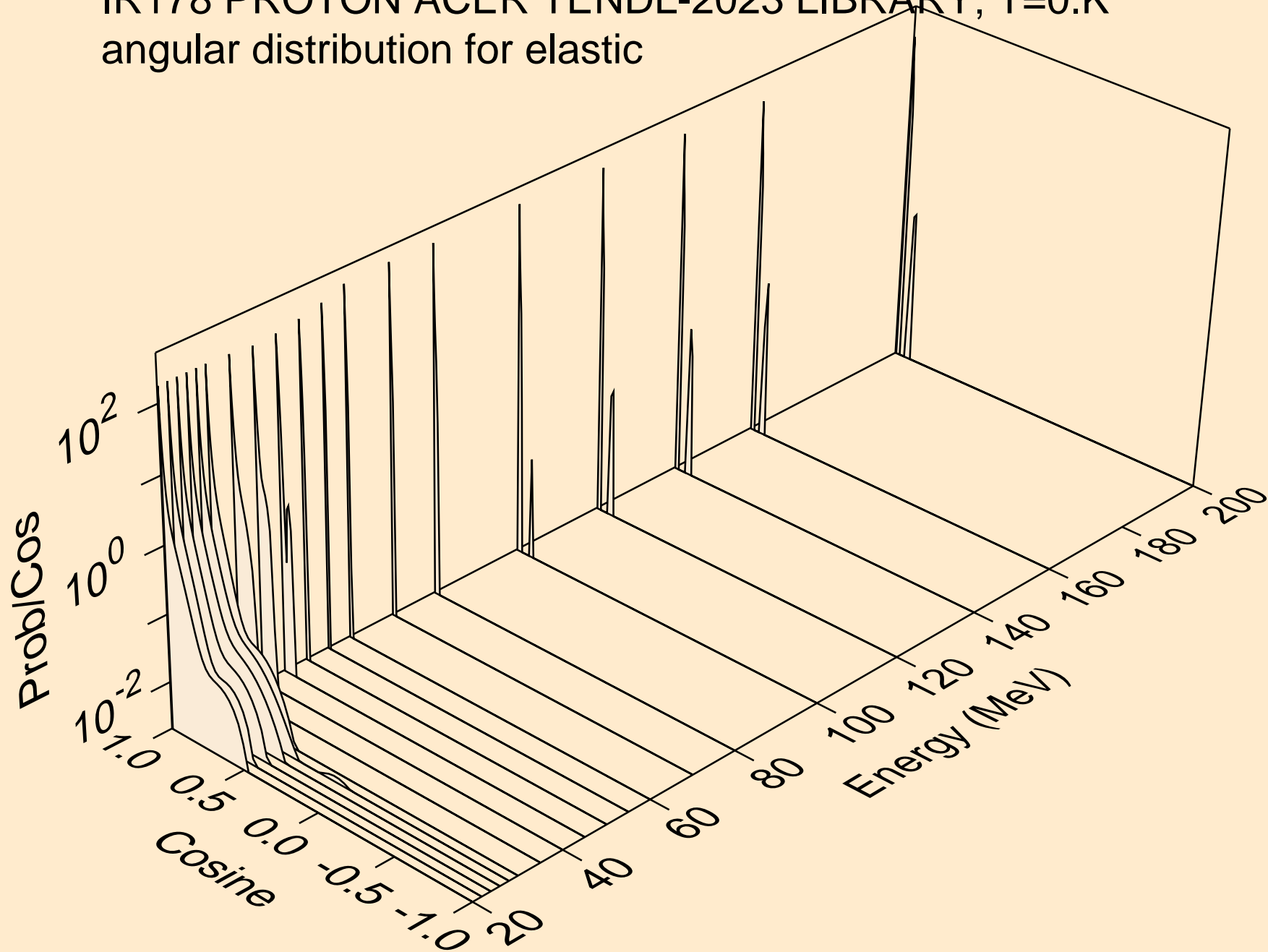


IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

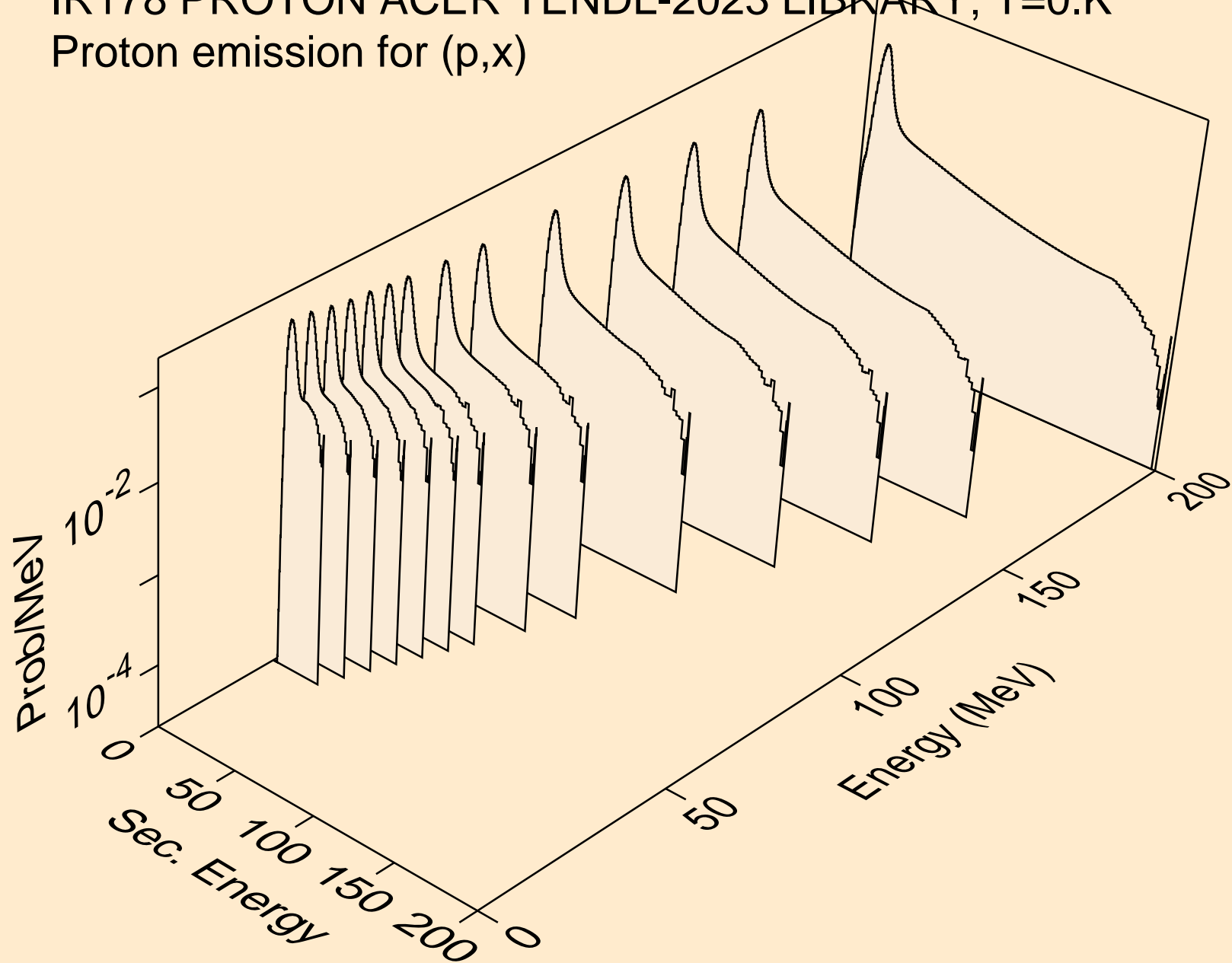




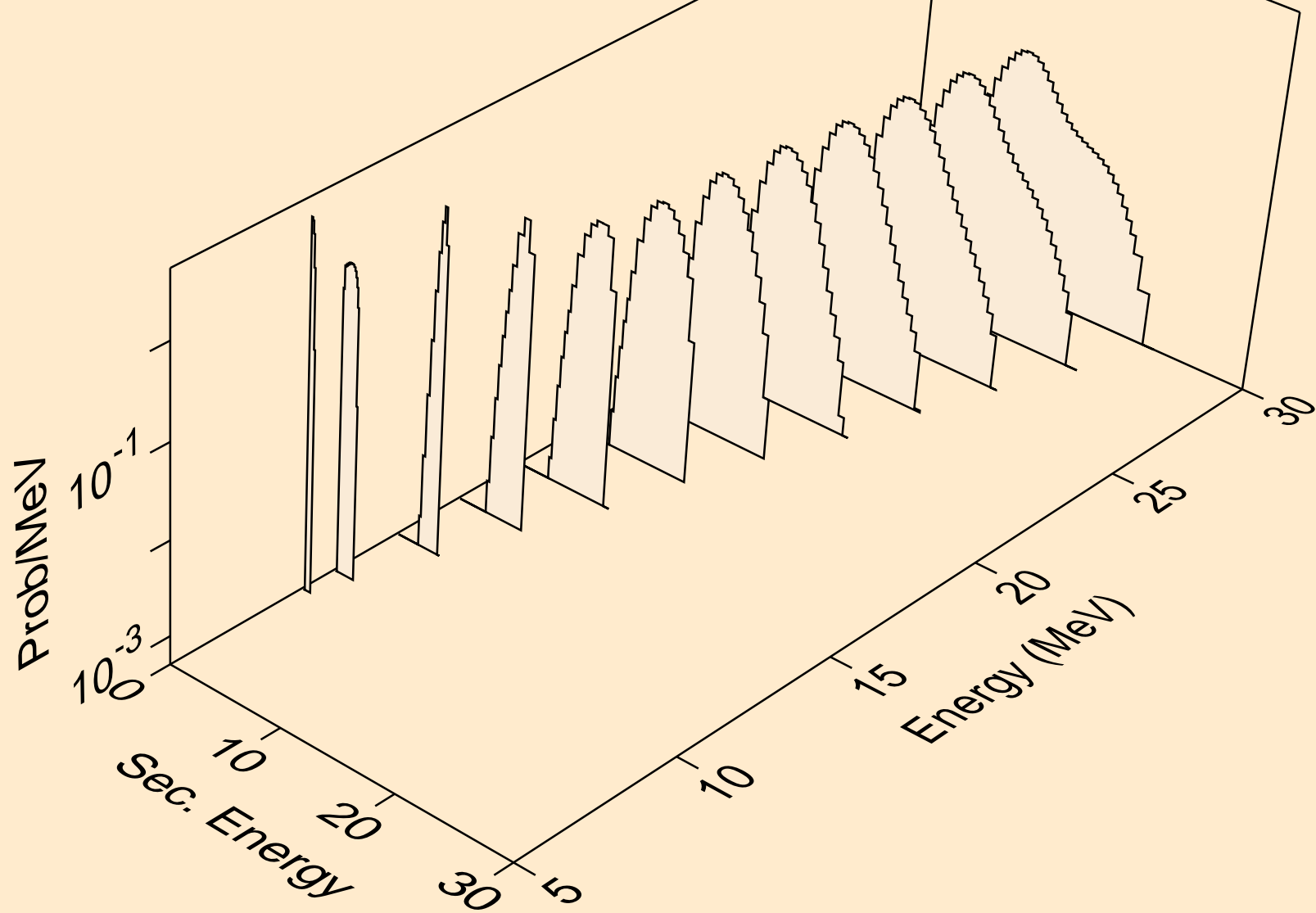
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



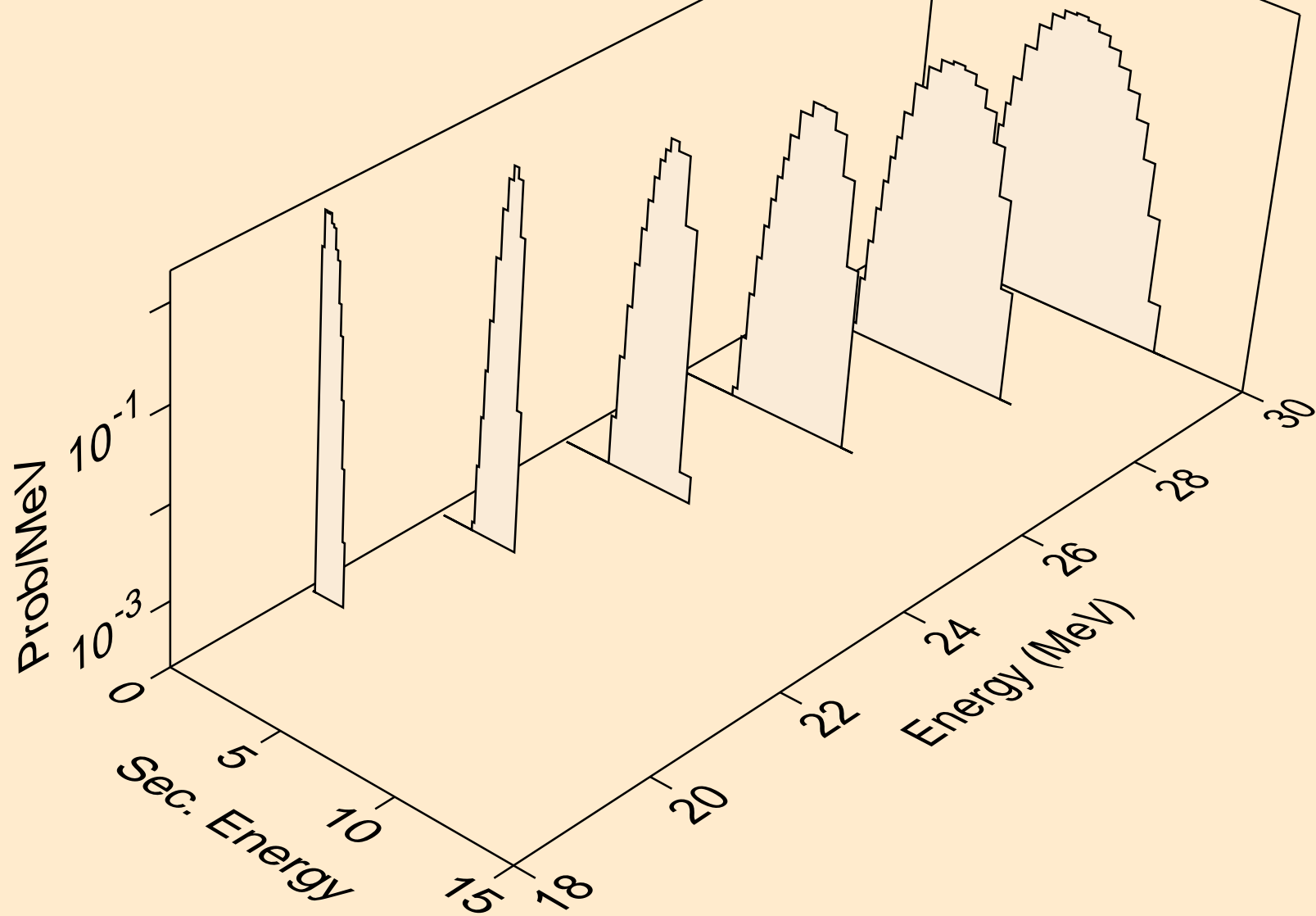
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



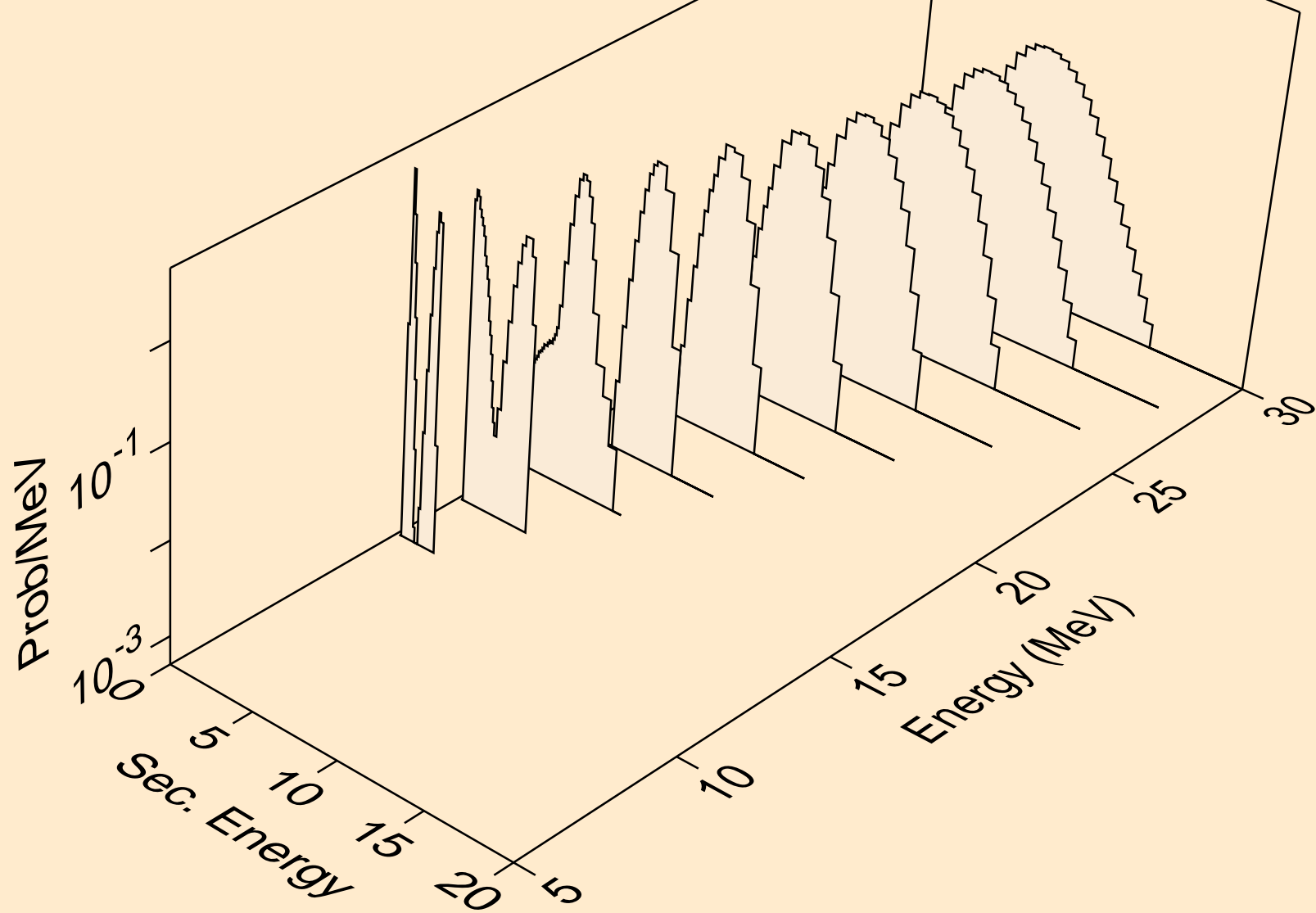
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



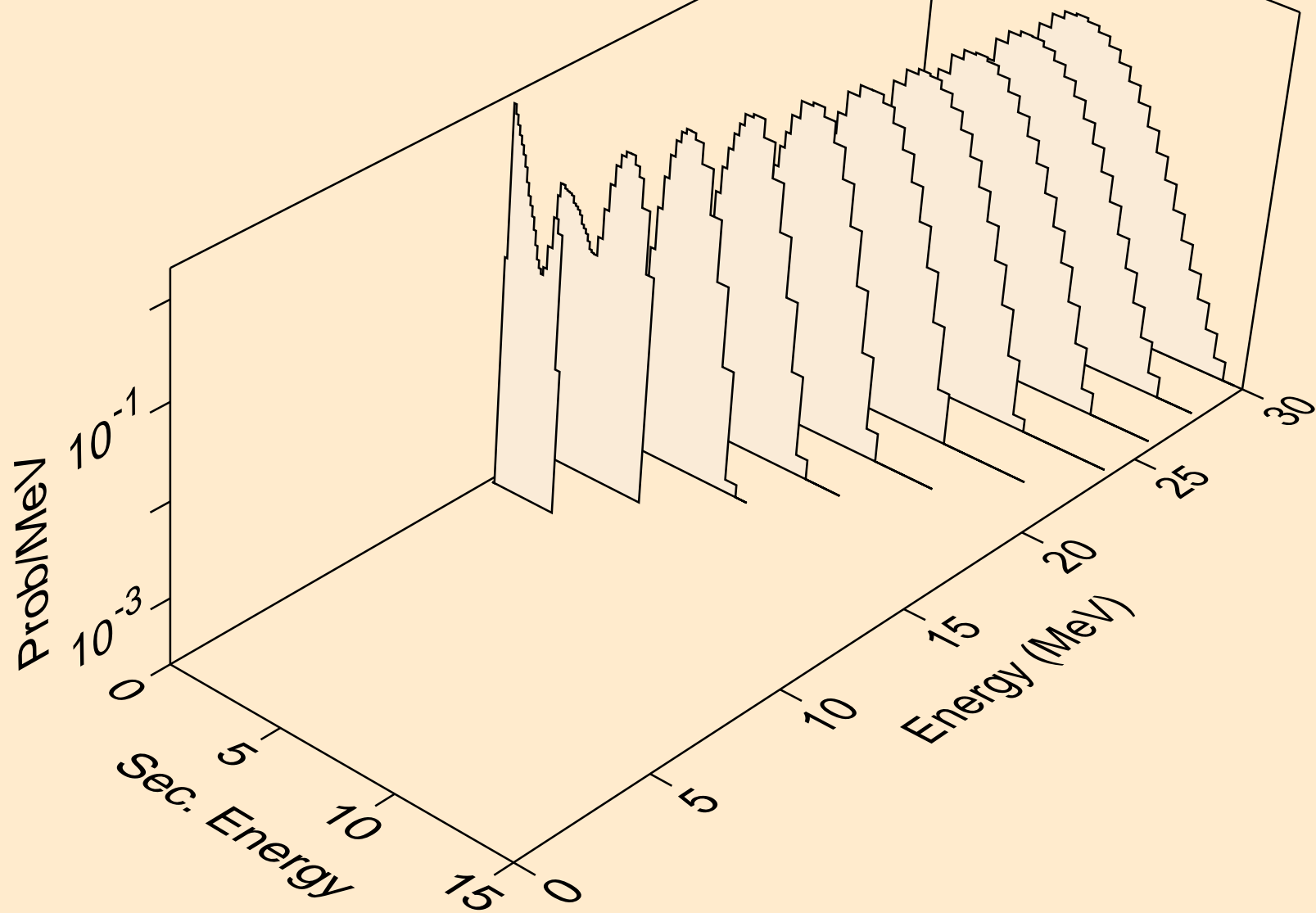
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



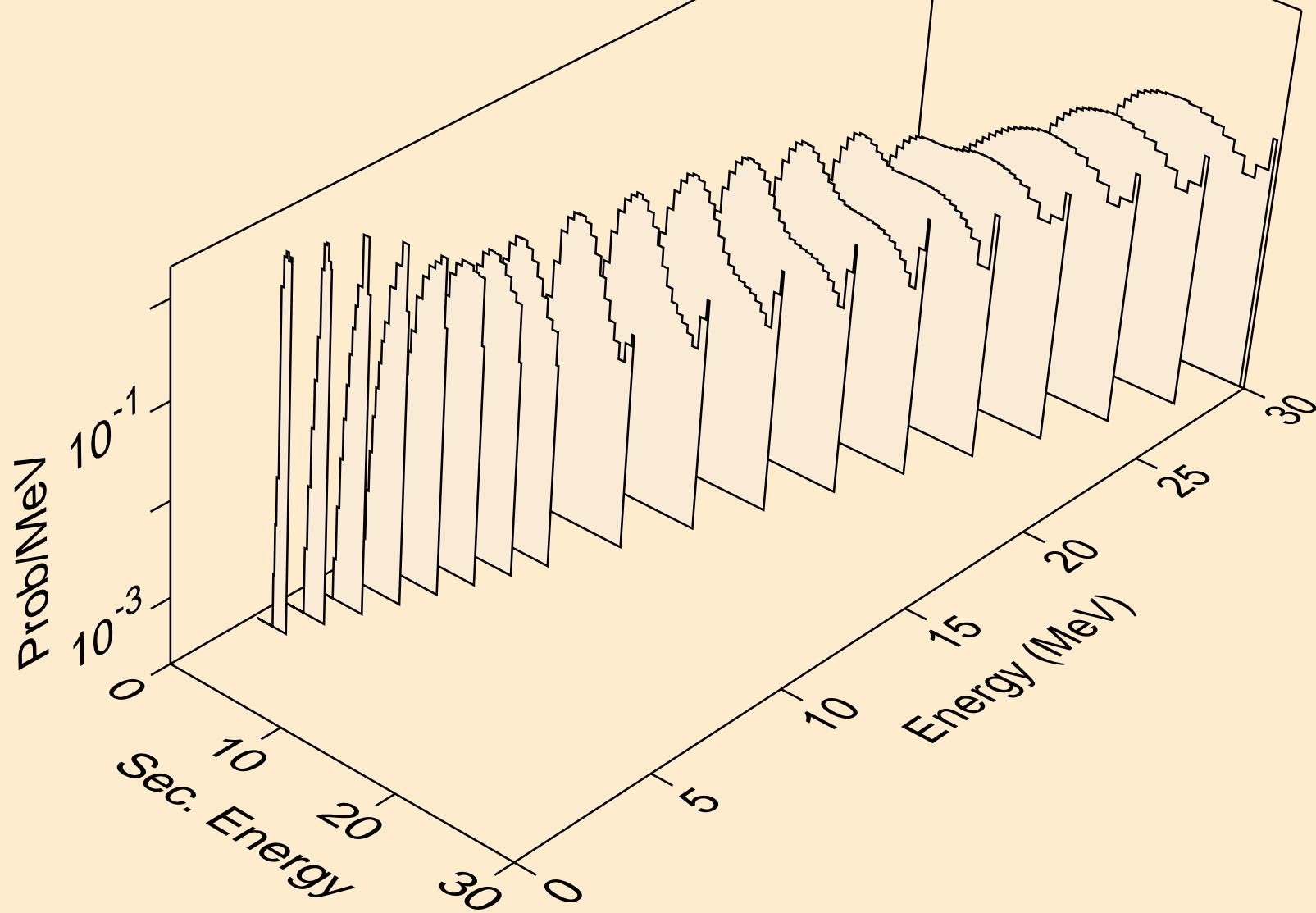
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)



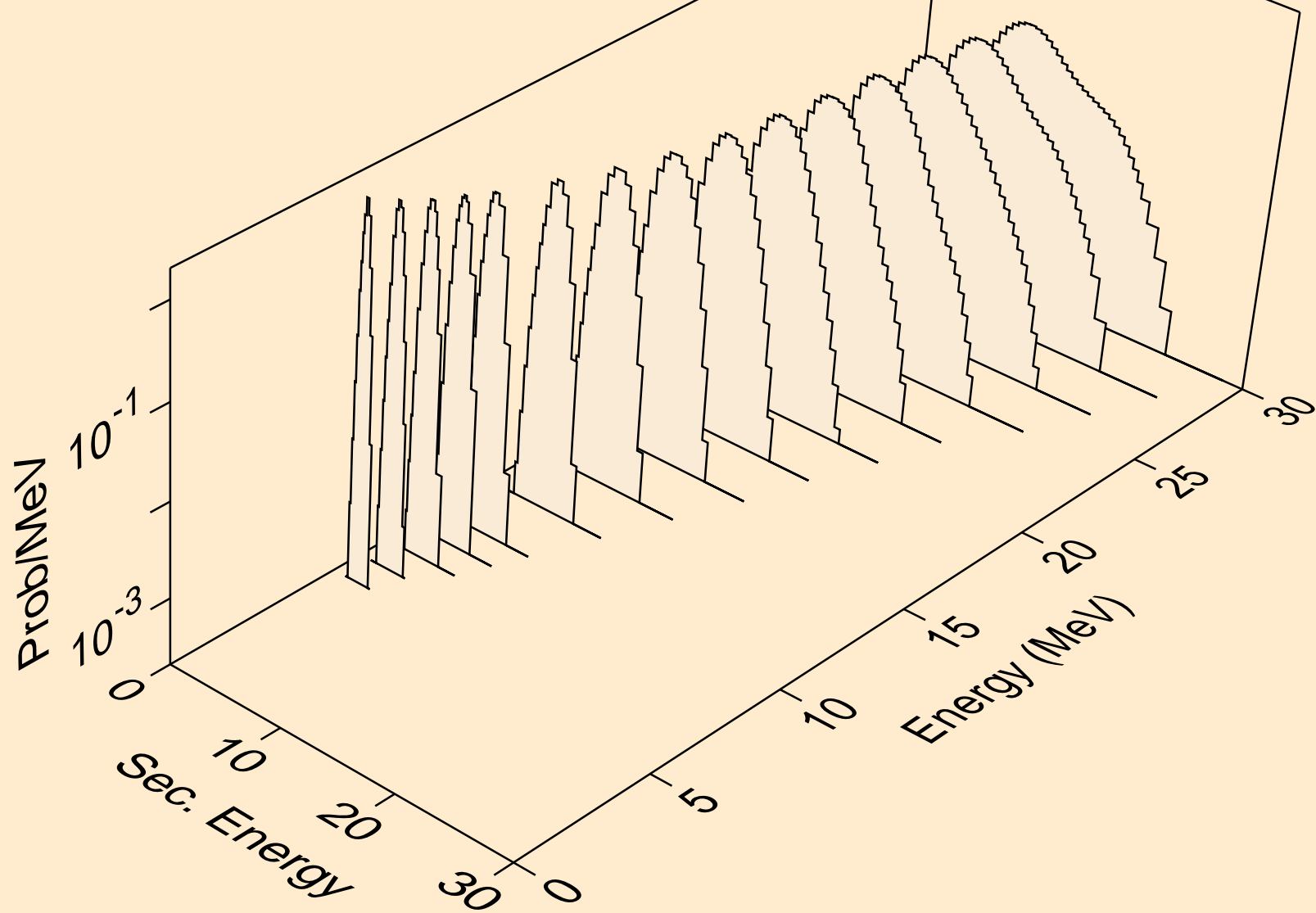
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,npa)



IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

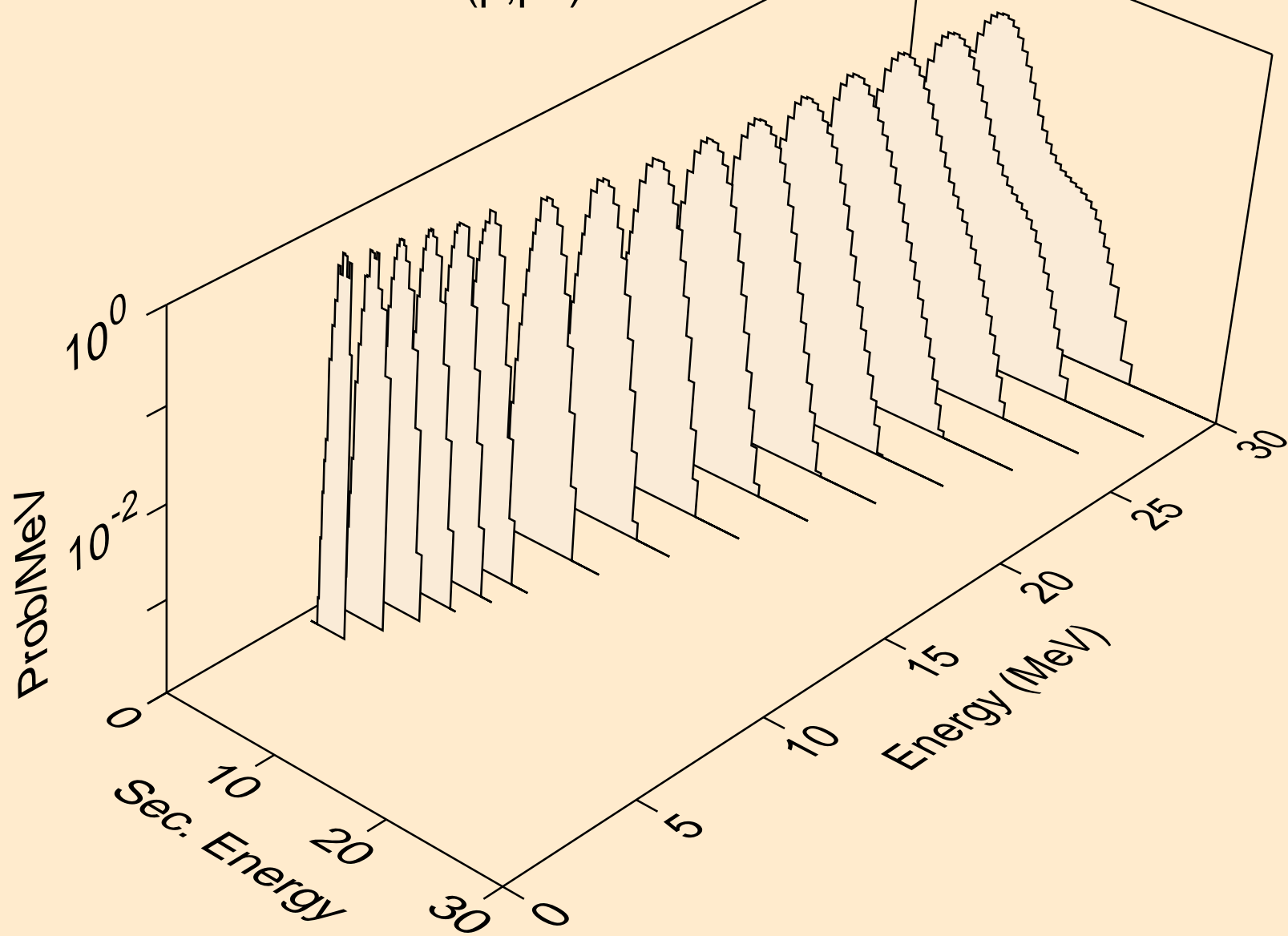


IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2p)

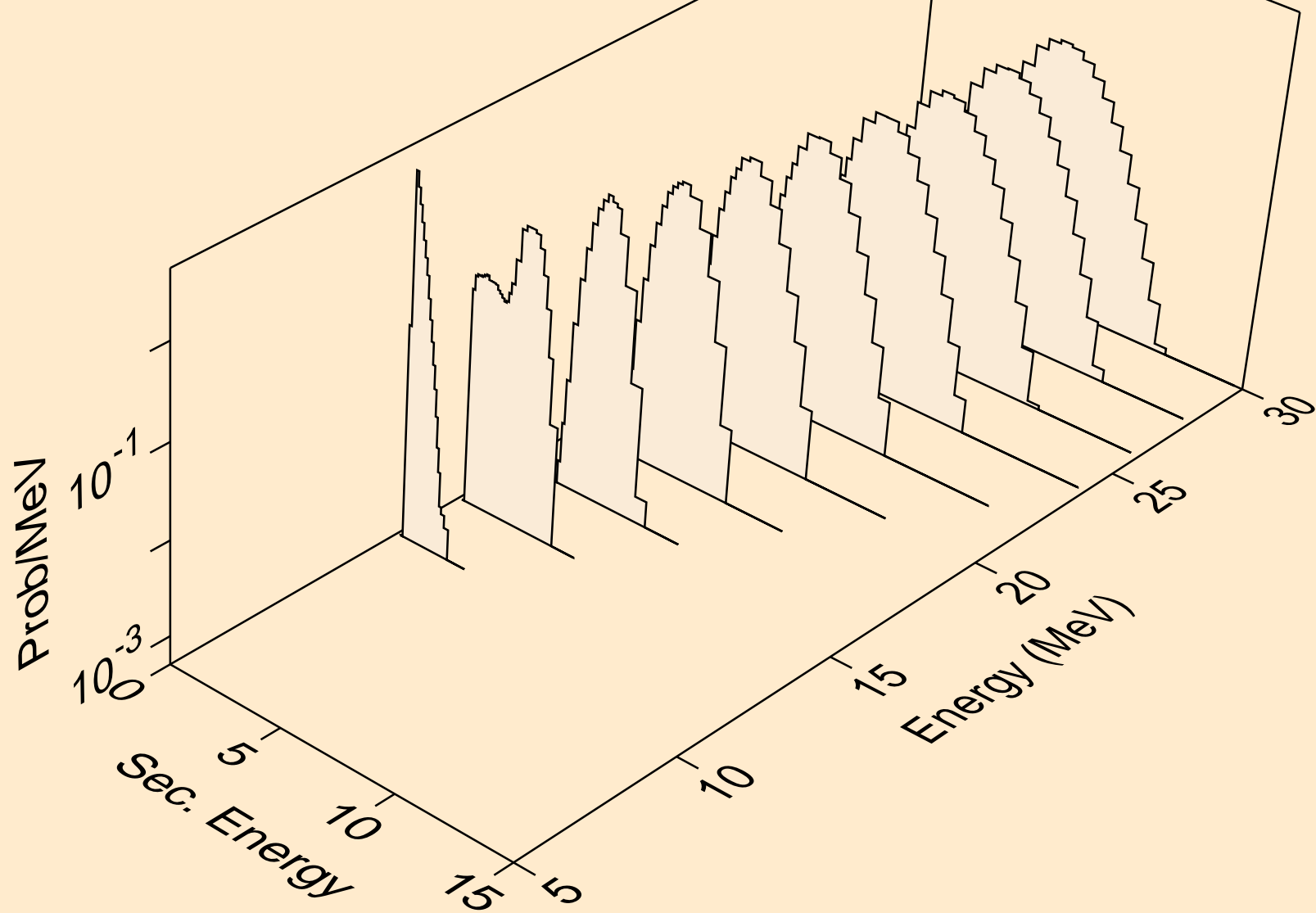




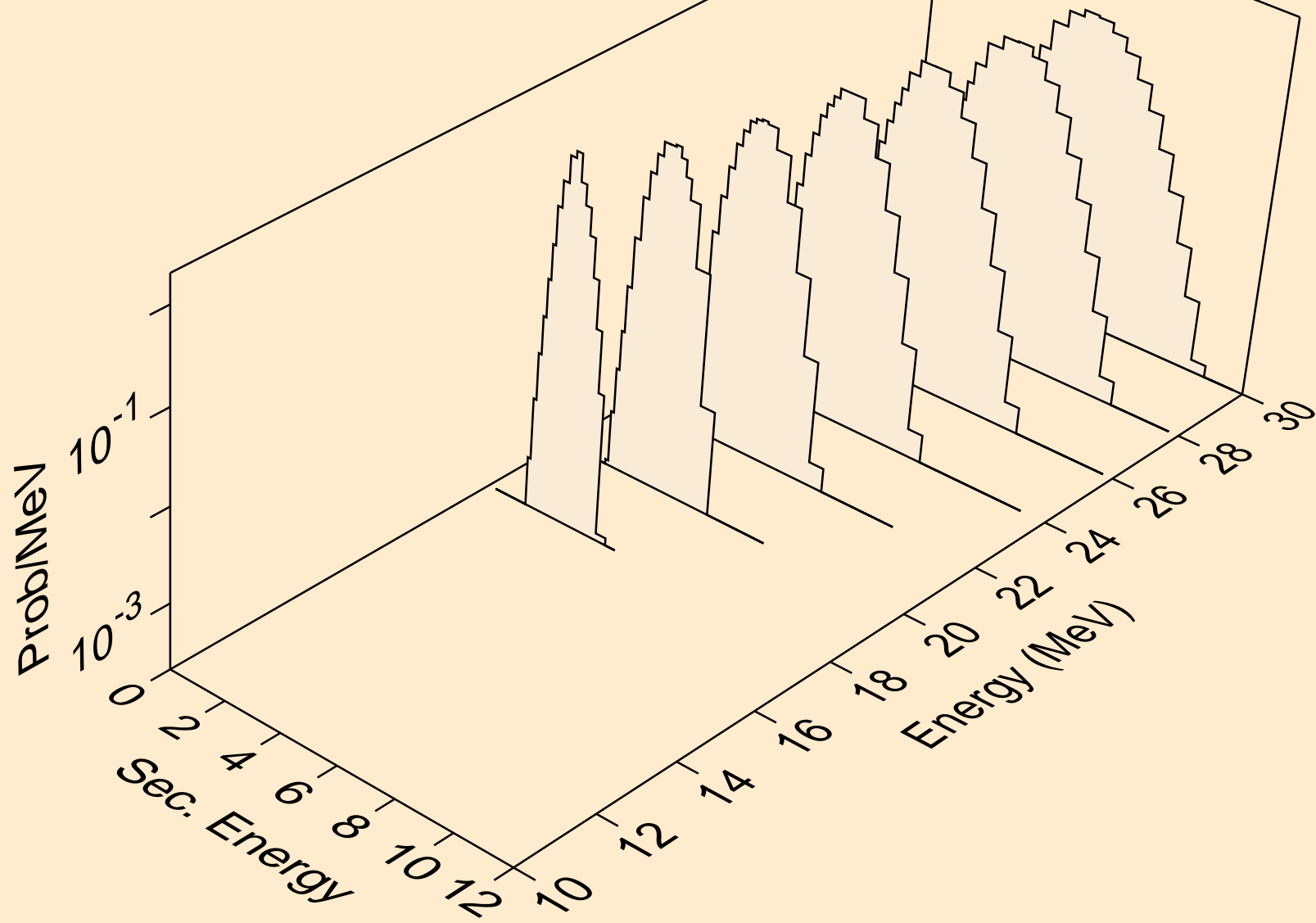
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pa)



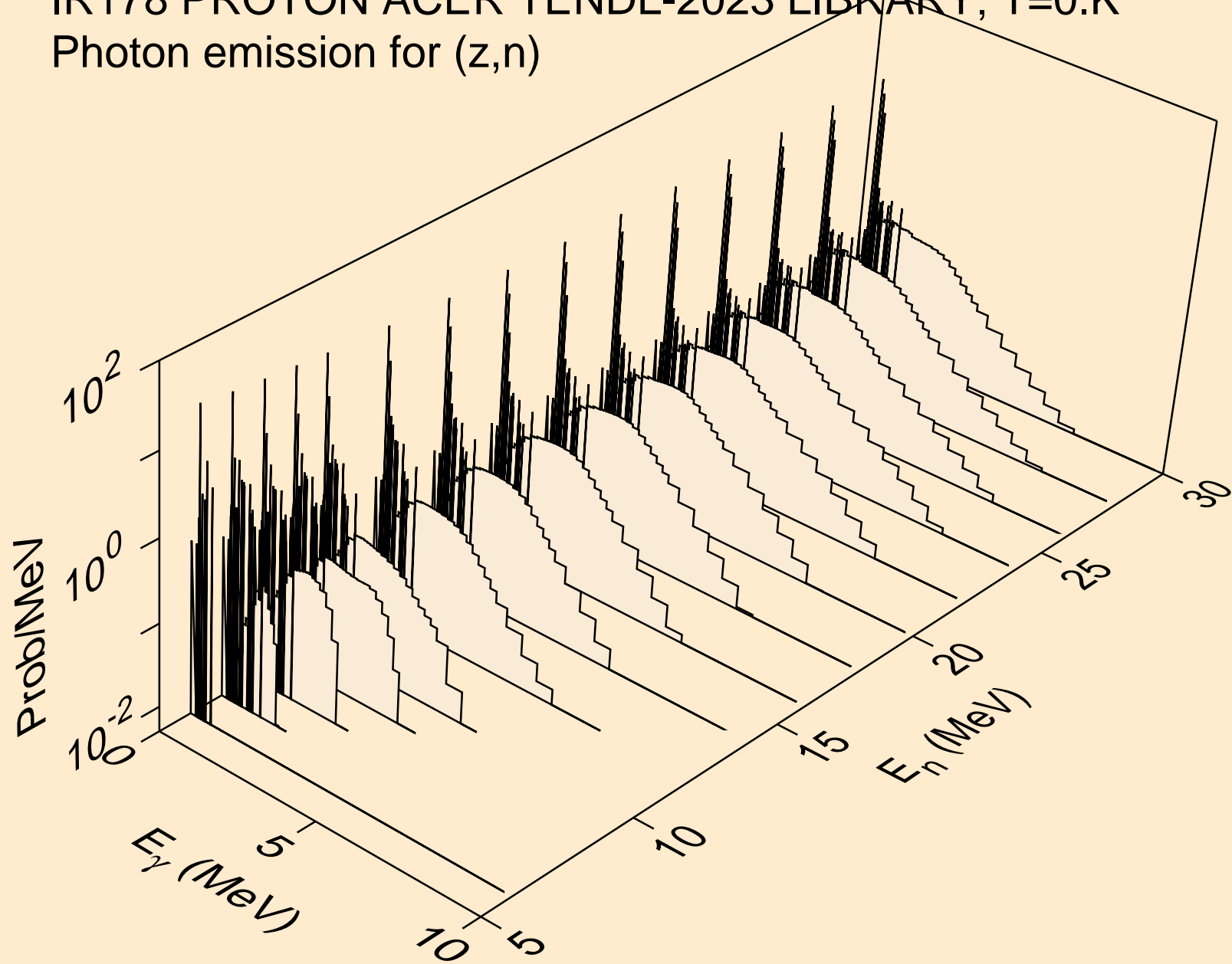
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pd)



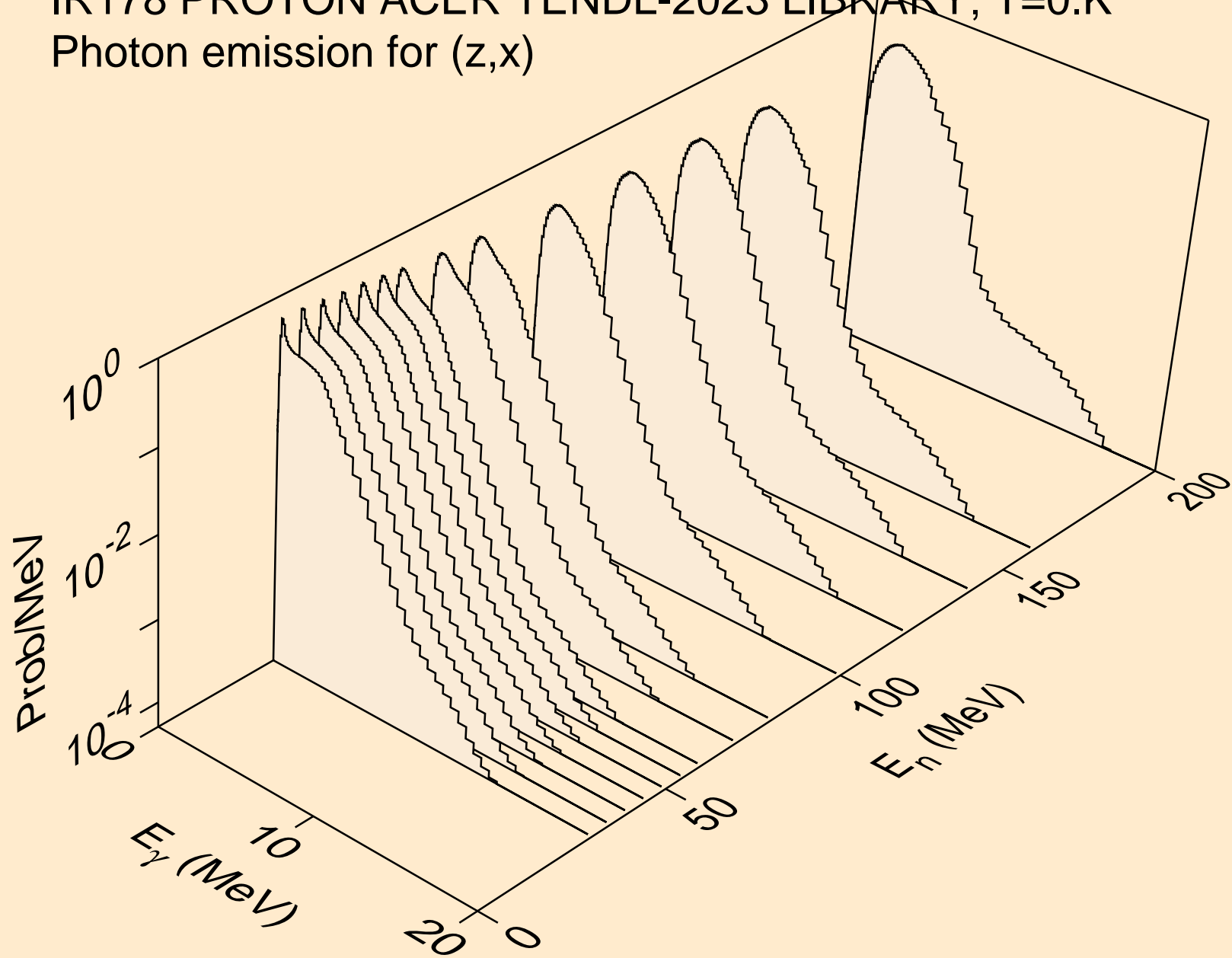
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pt)



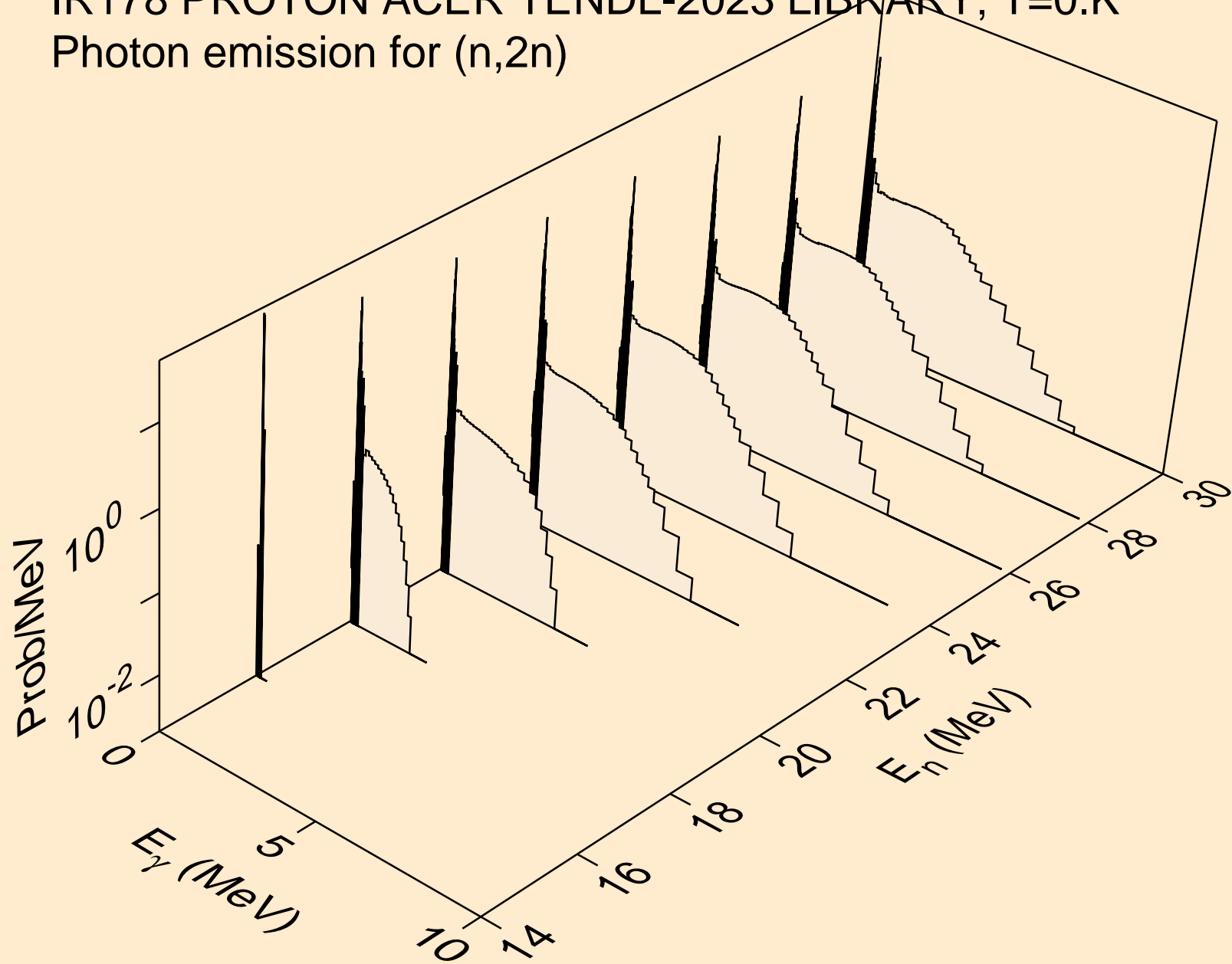
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,n)



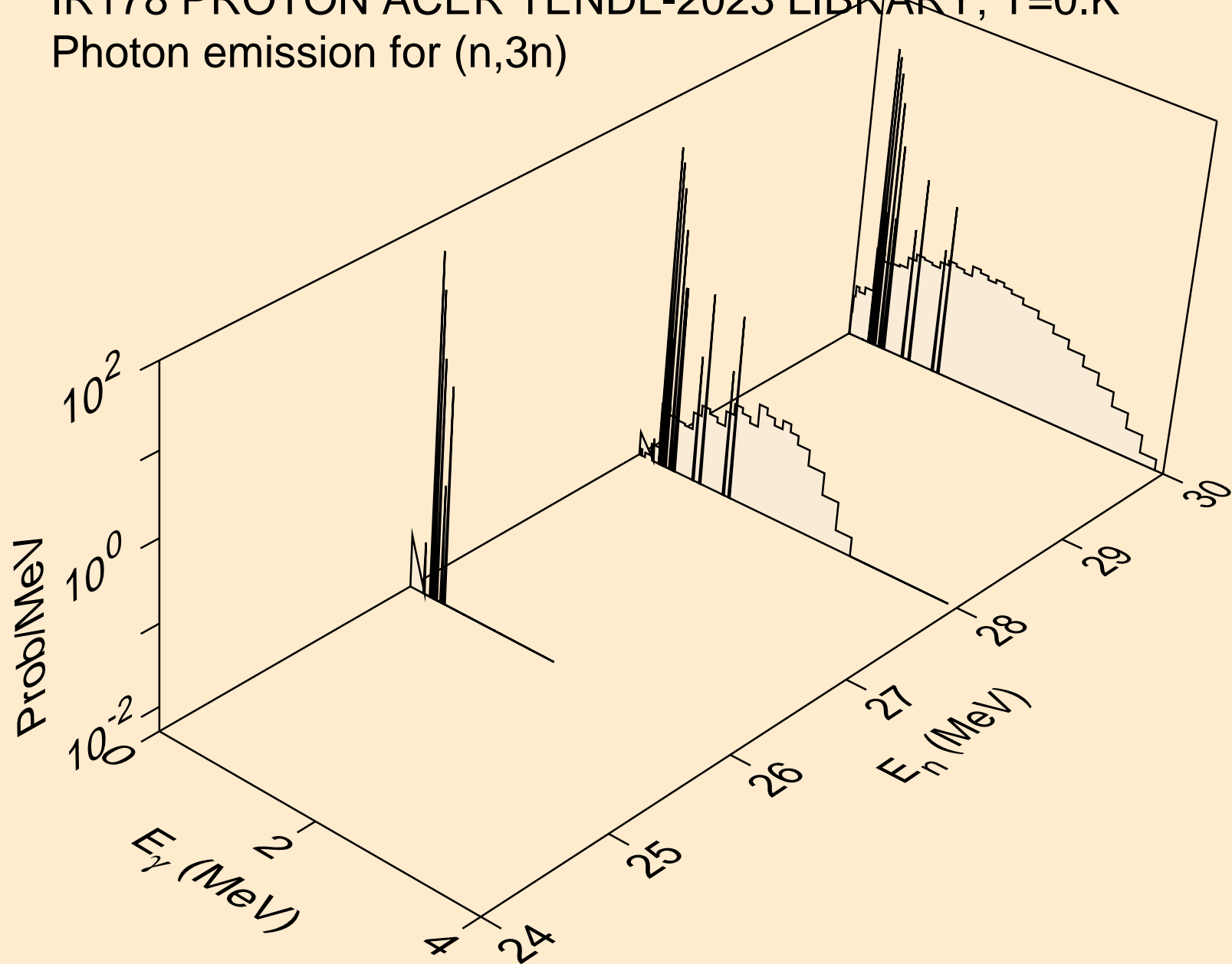
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



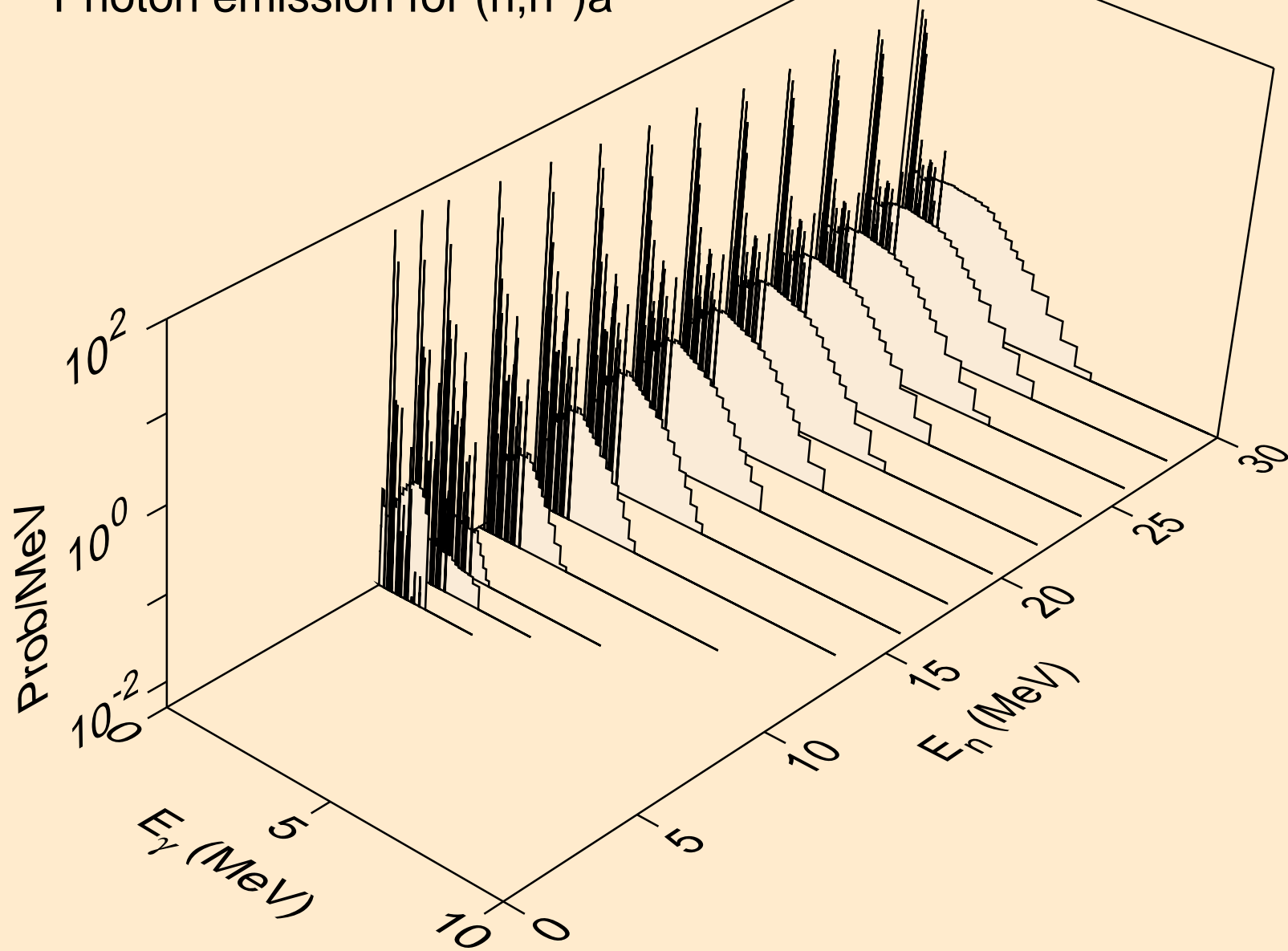
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)

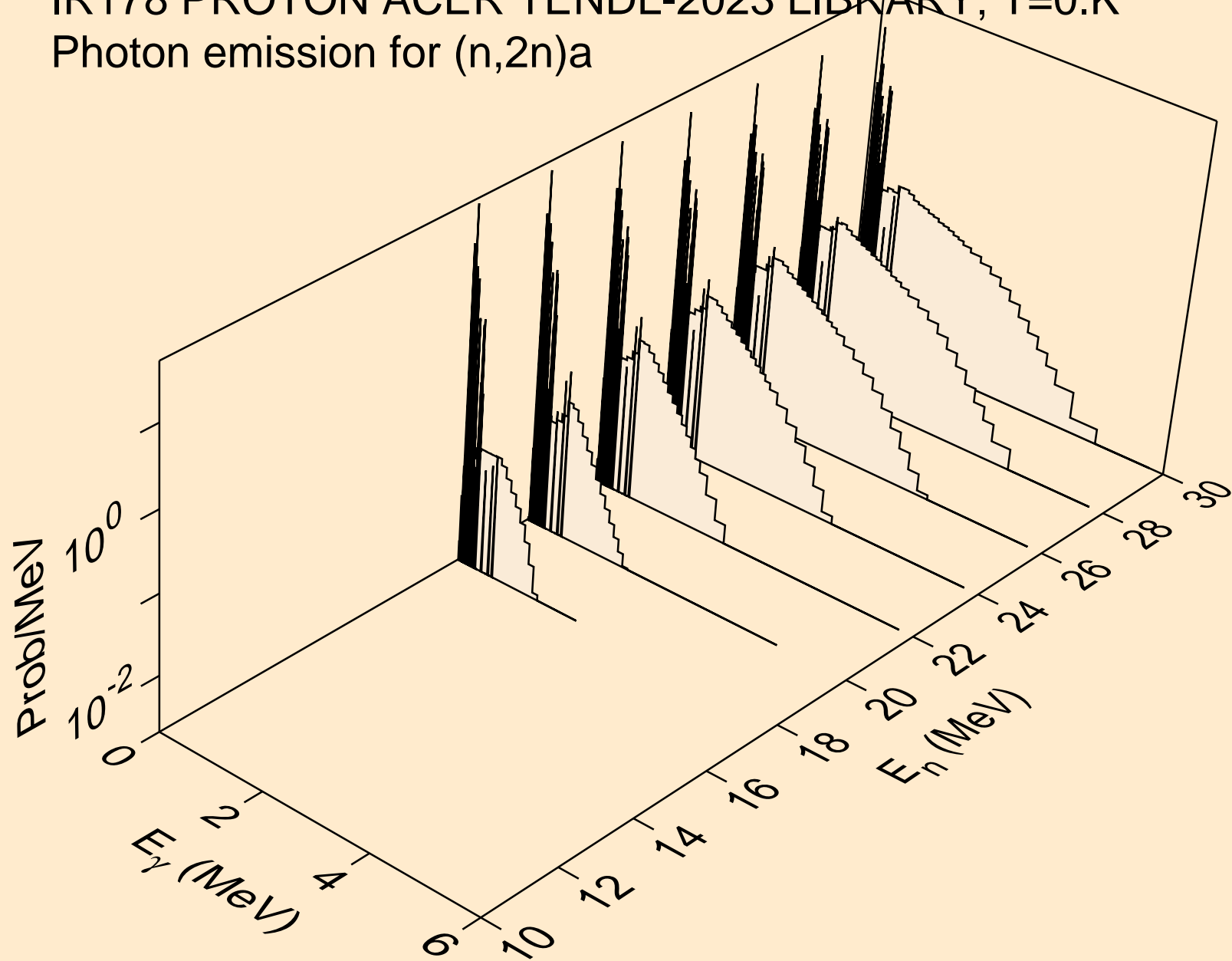


IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a

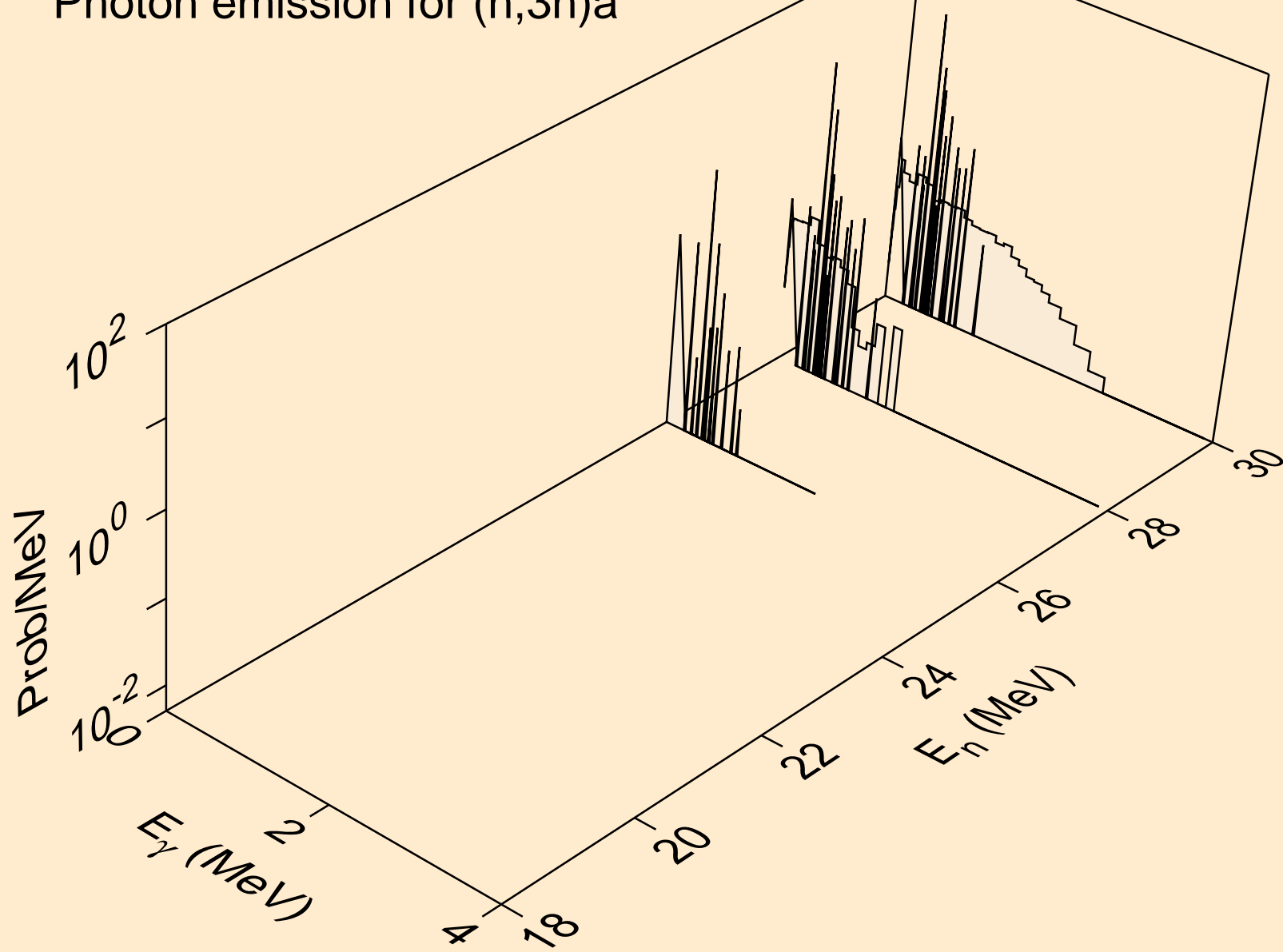




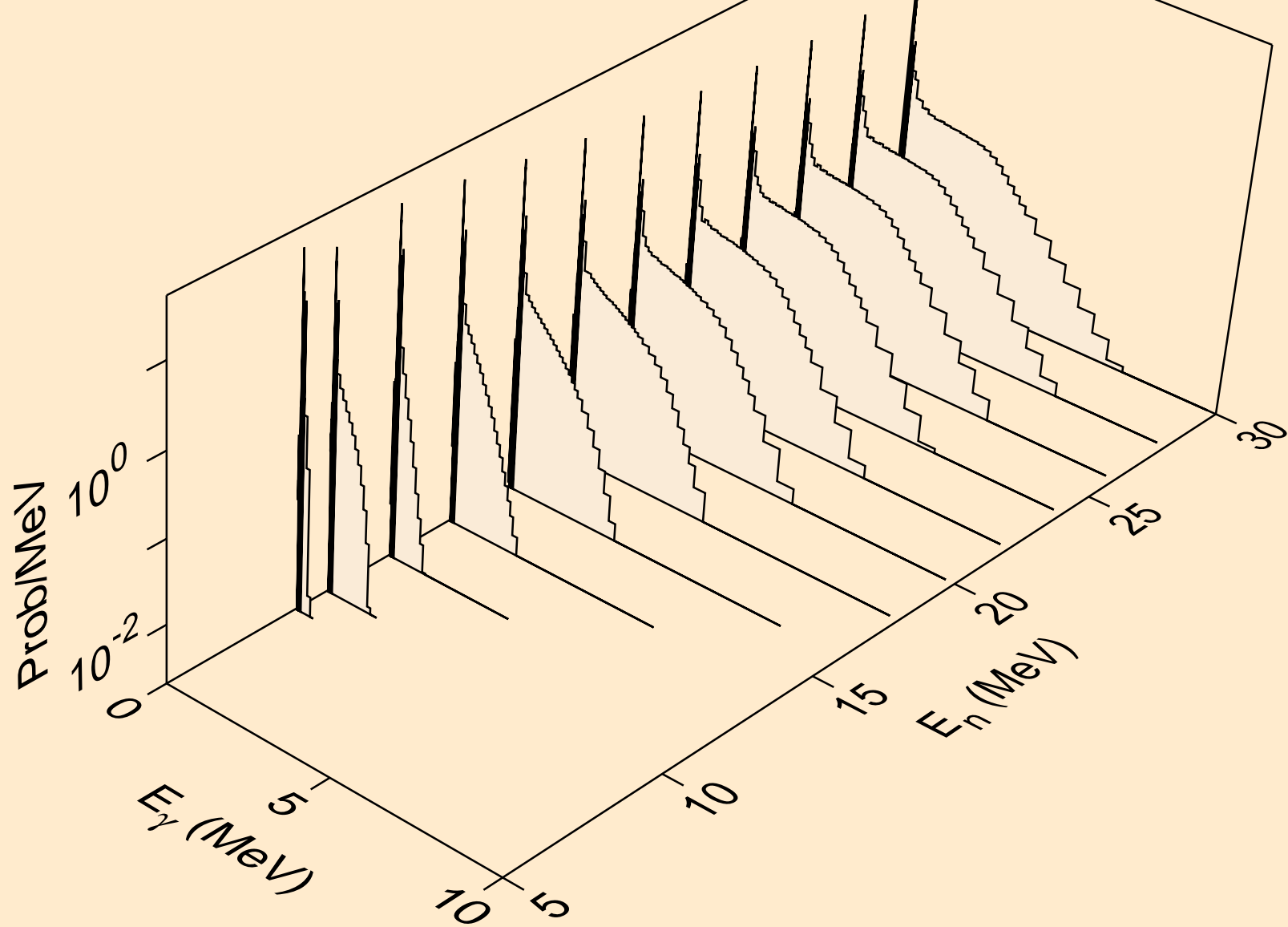
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



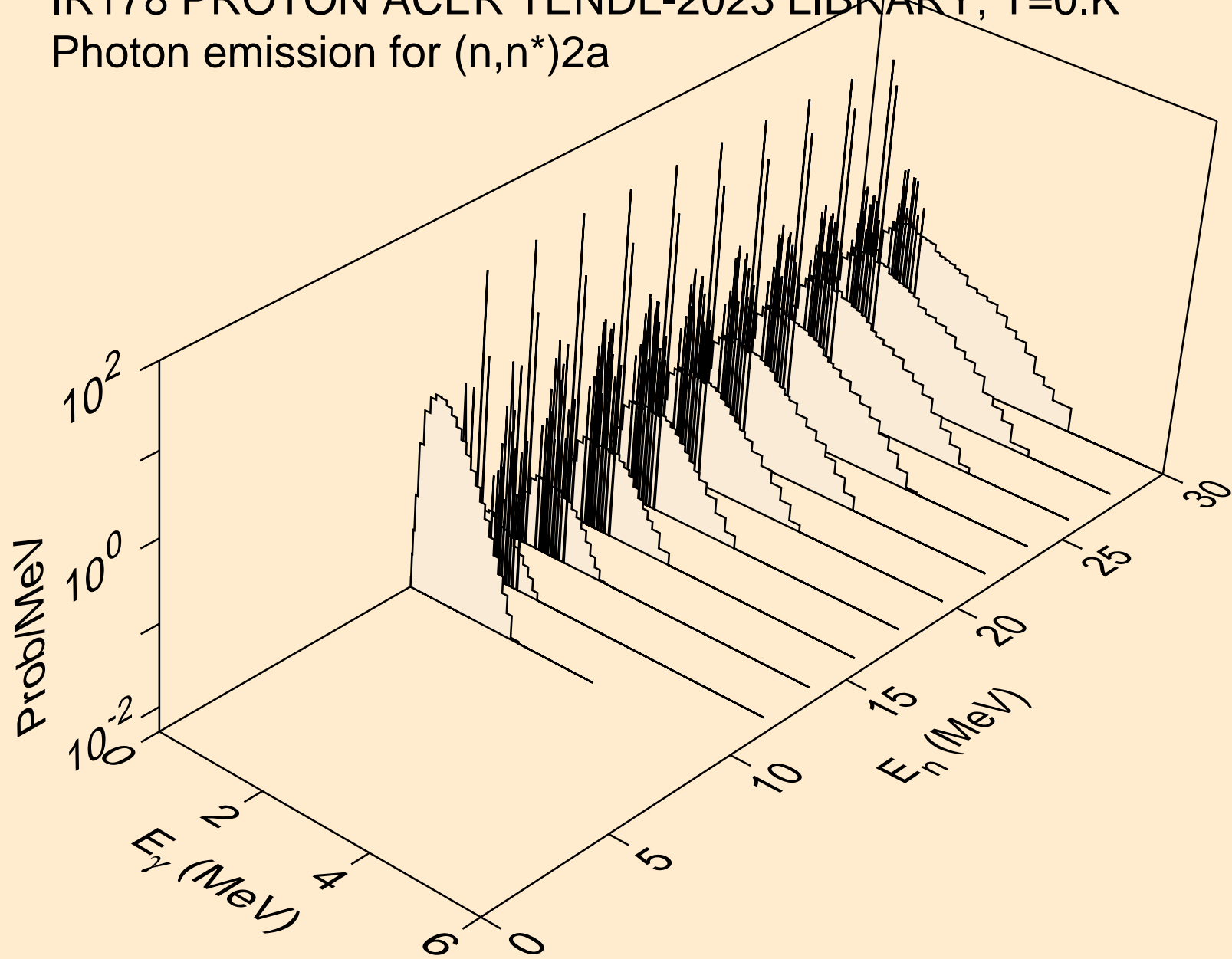
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



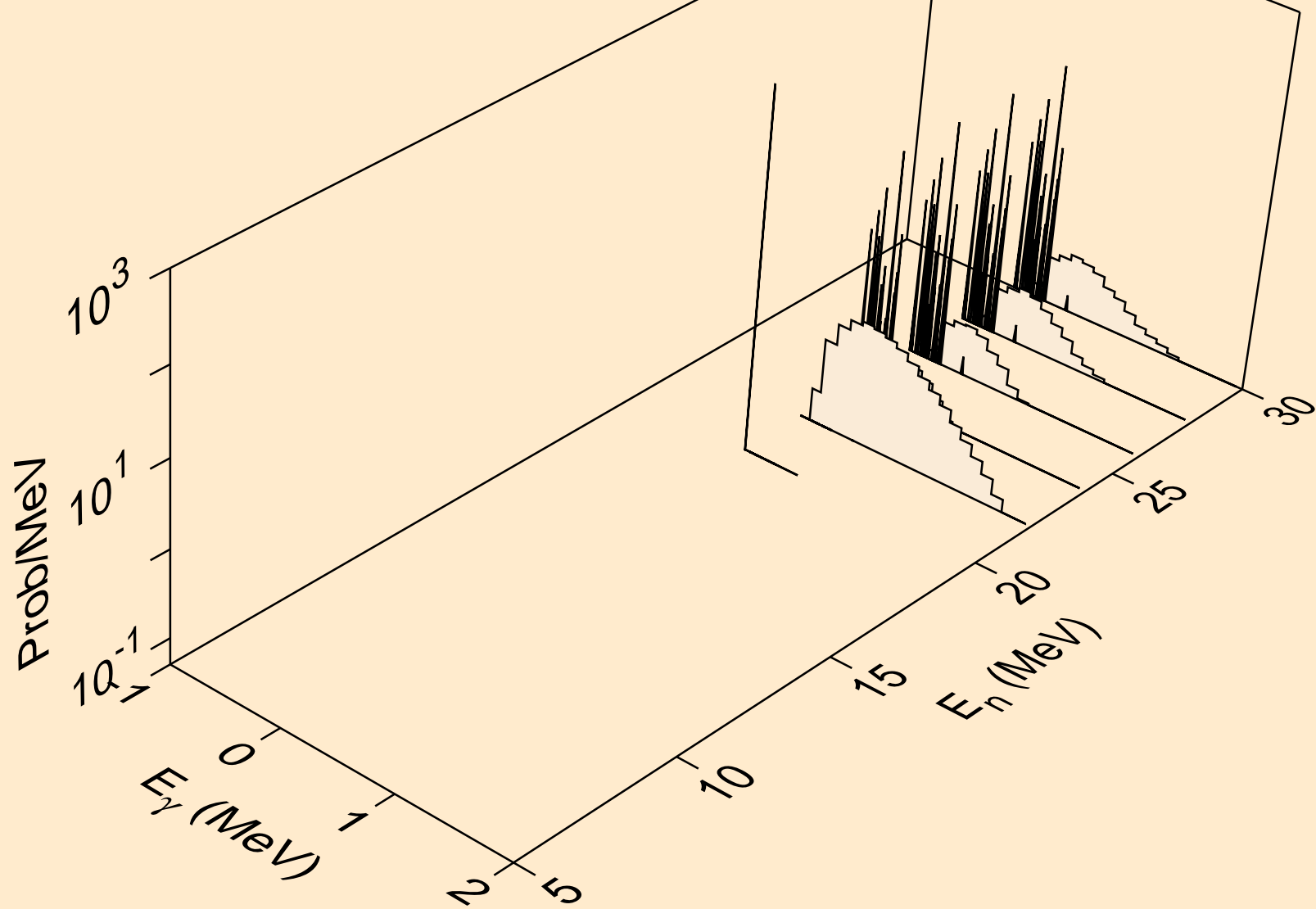
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



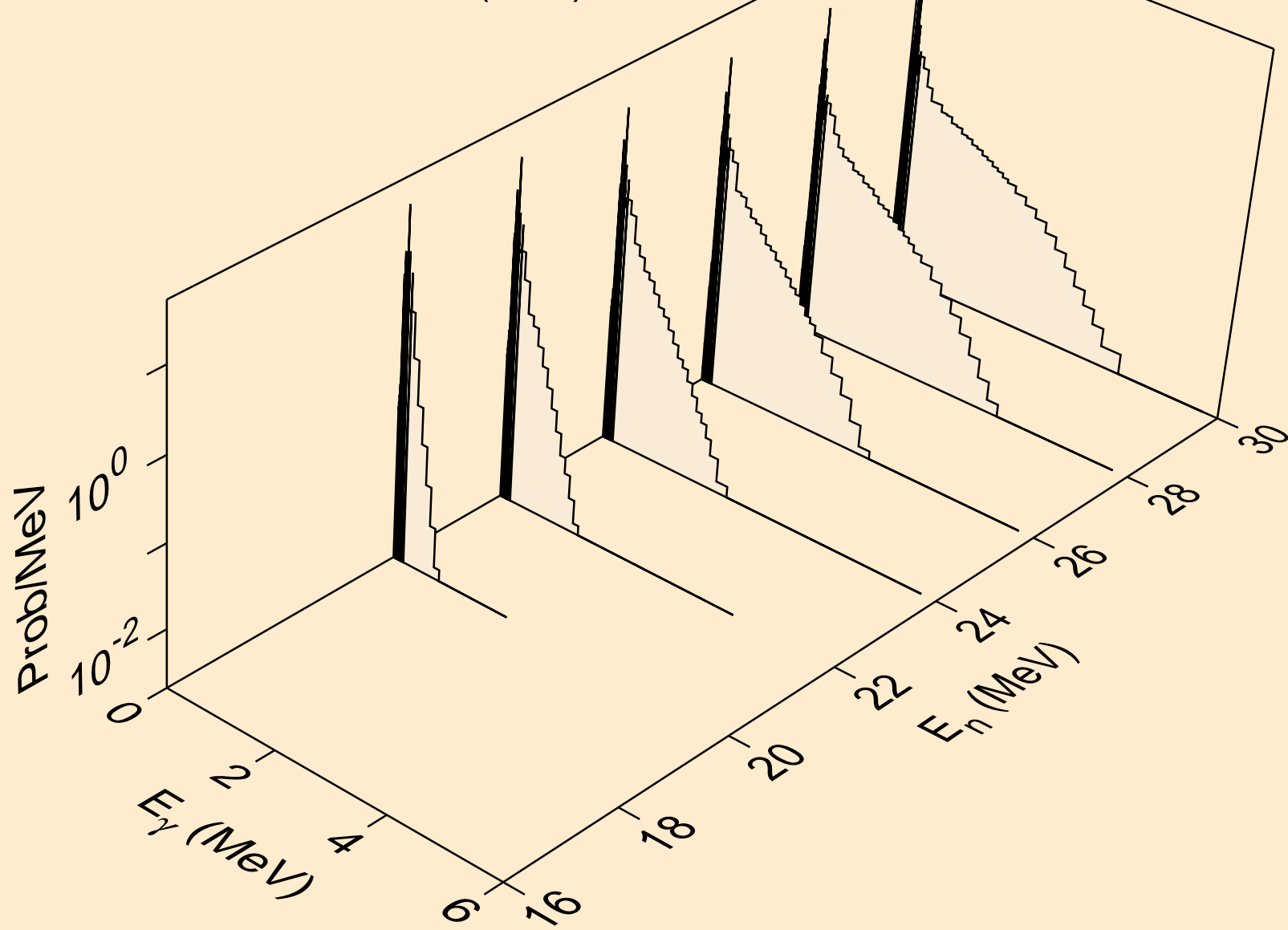
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



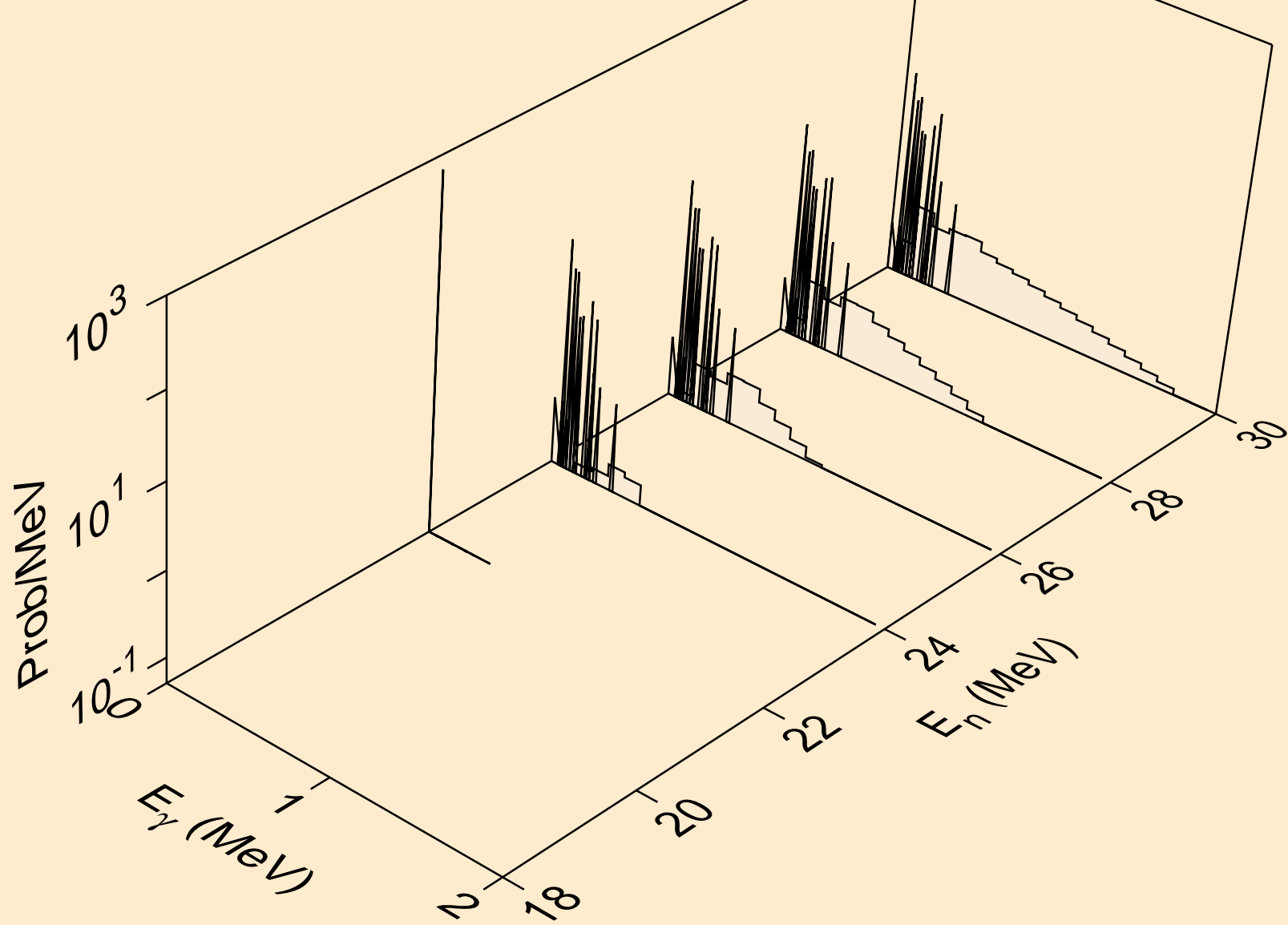
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



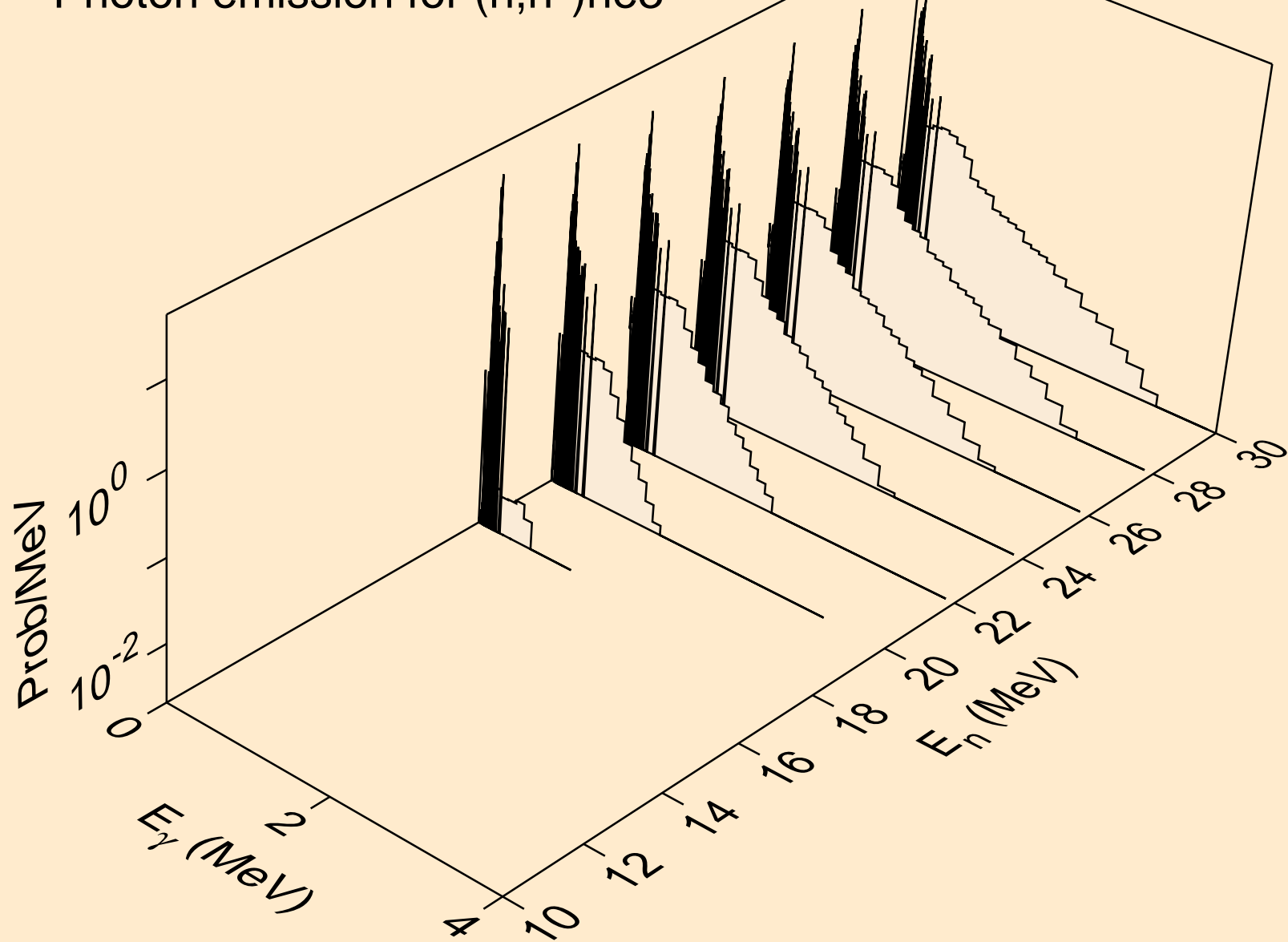
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

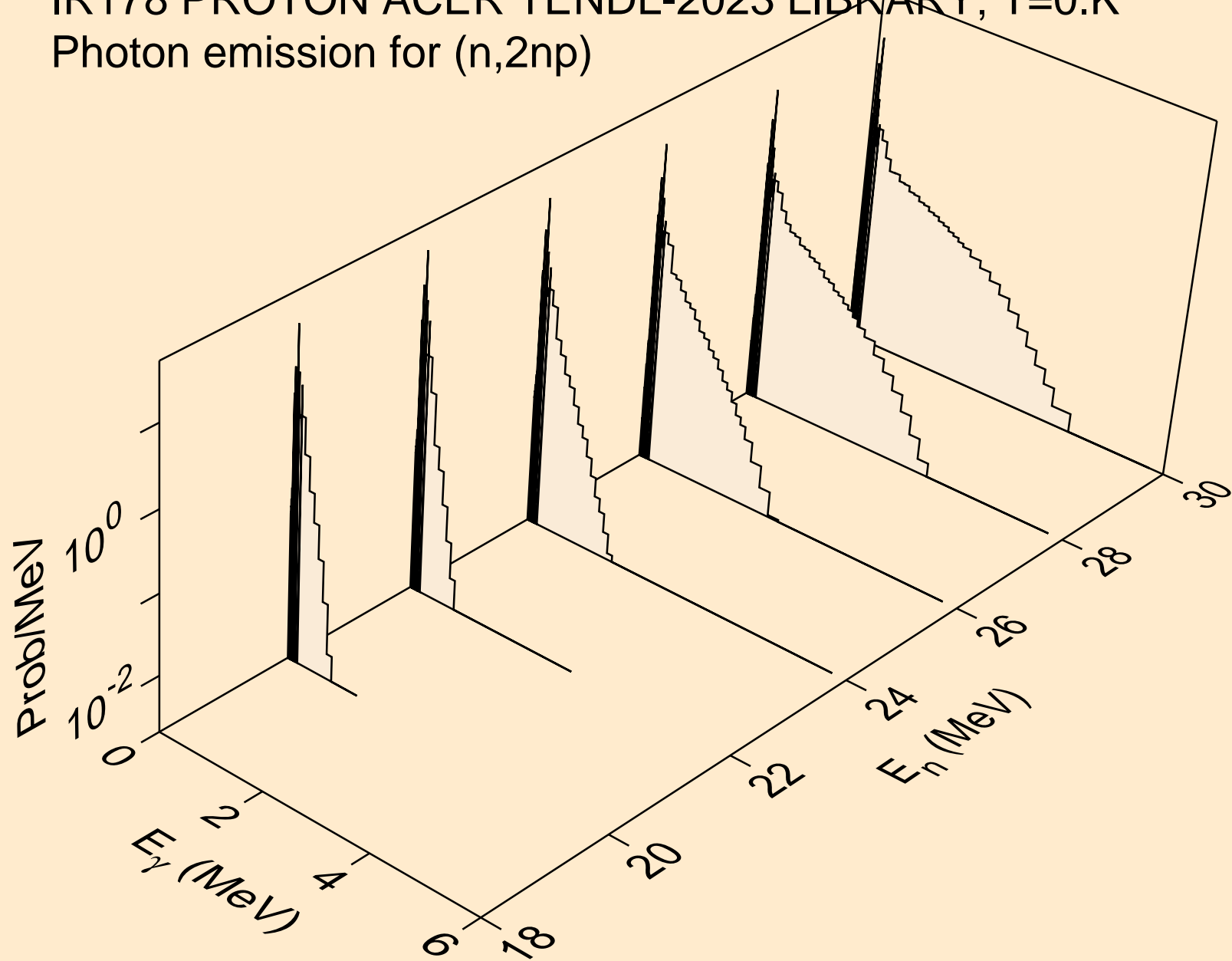


IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

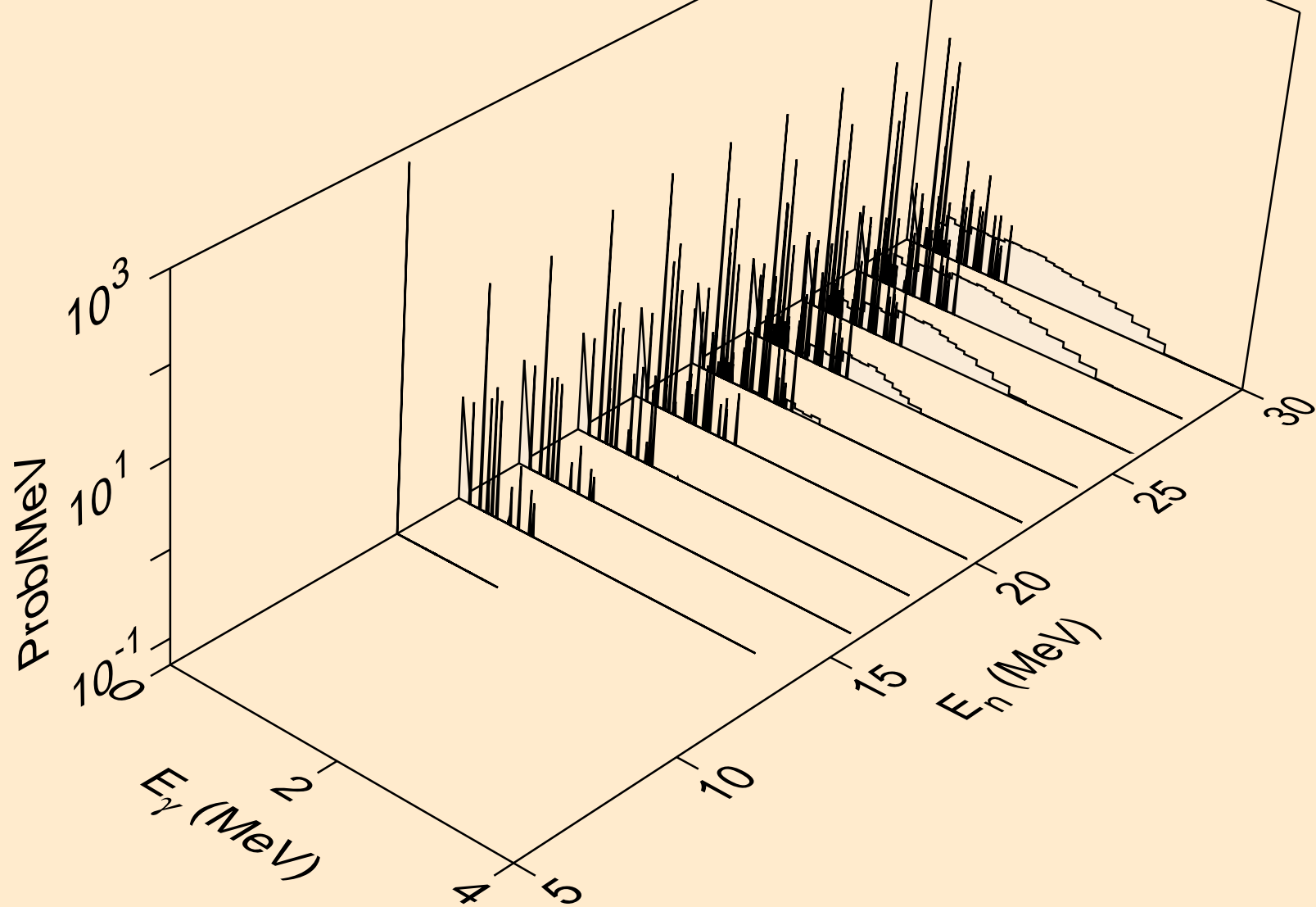




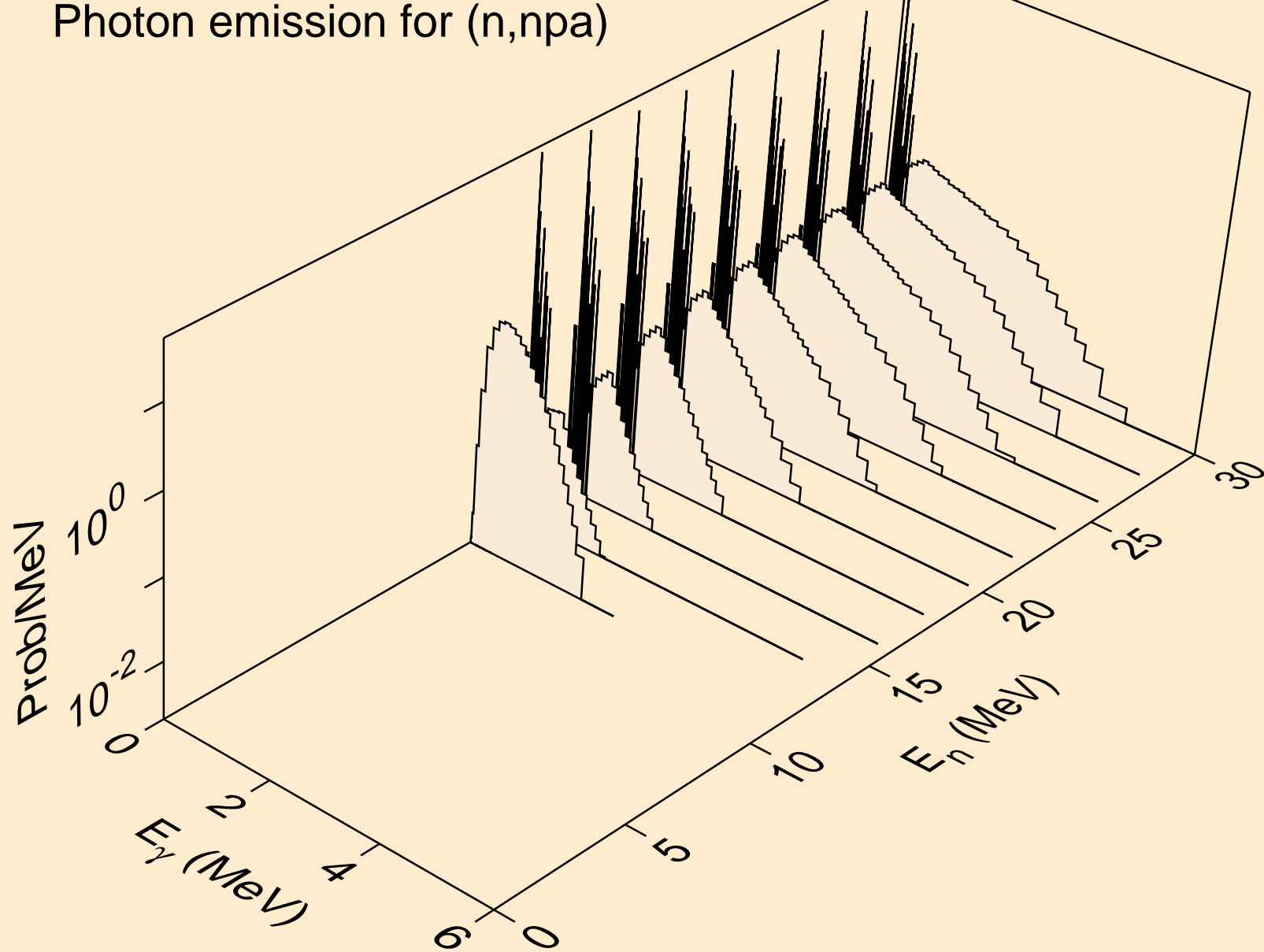
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



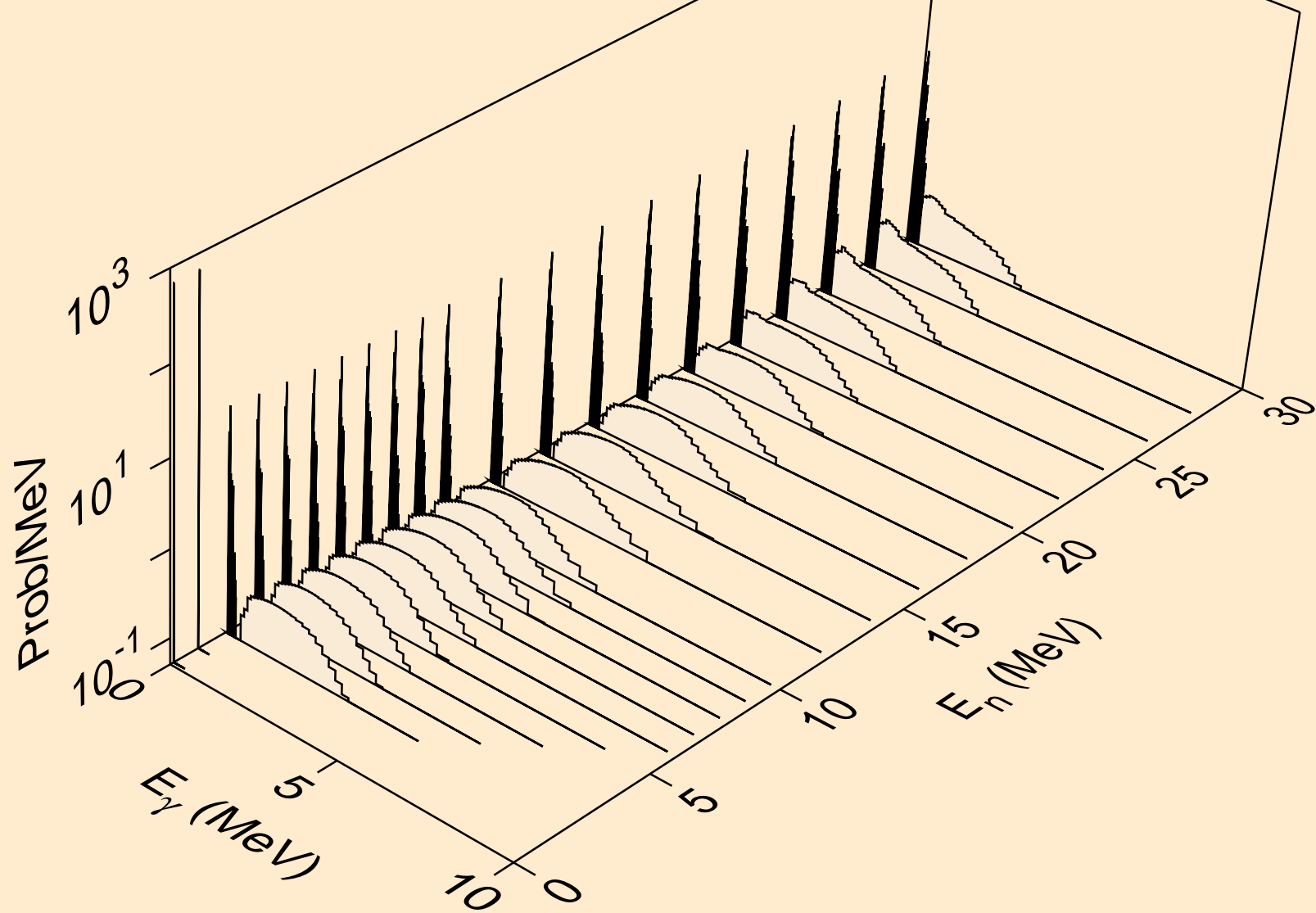
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



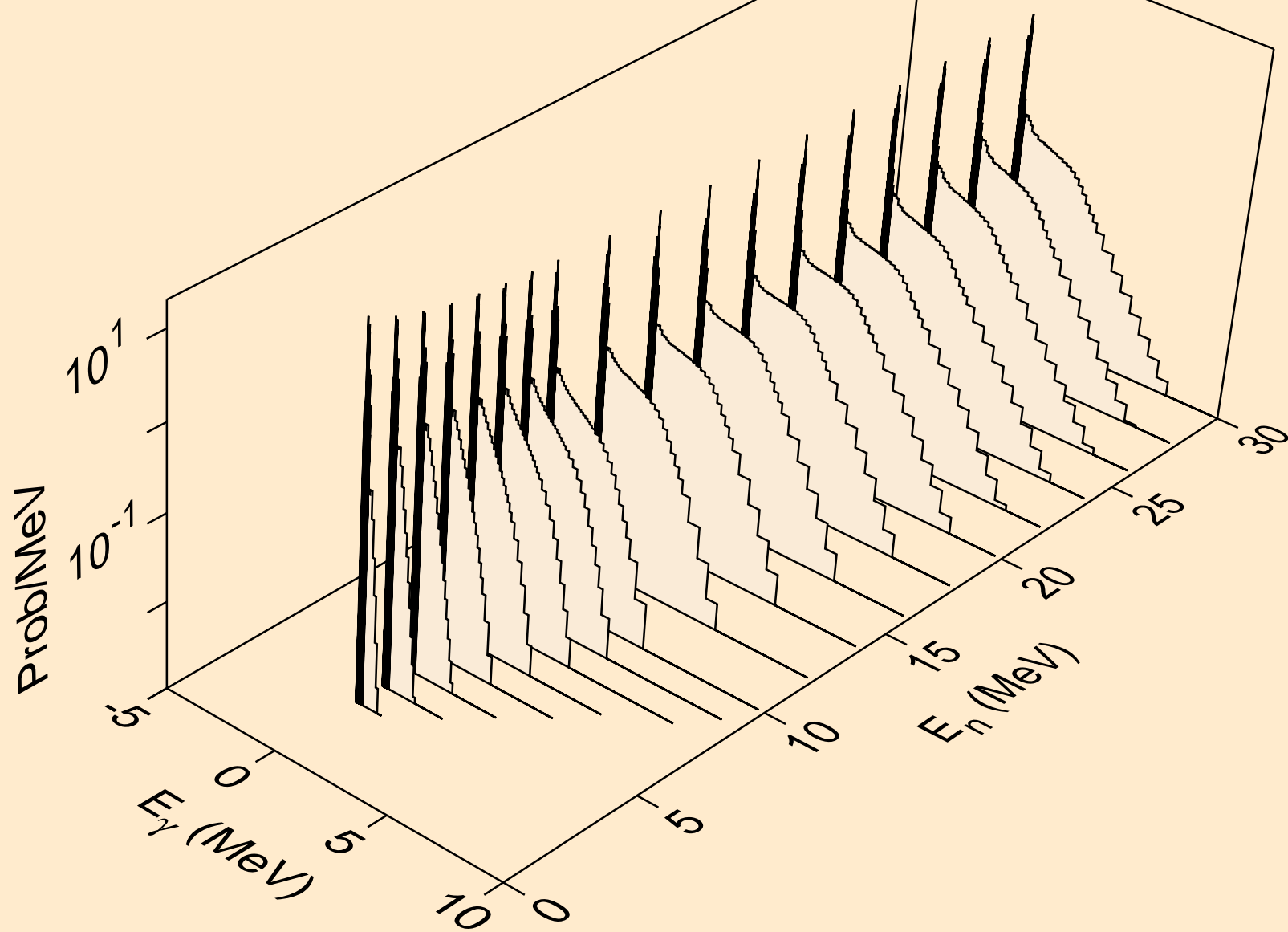
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



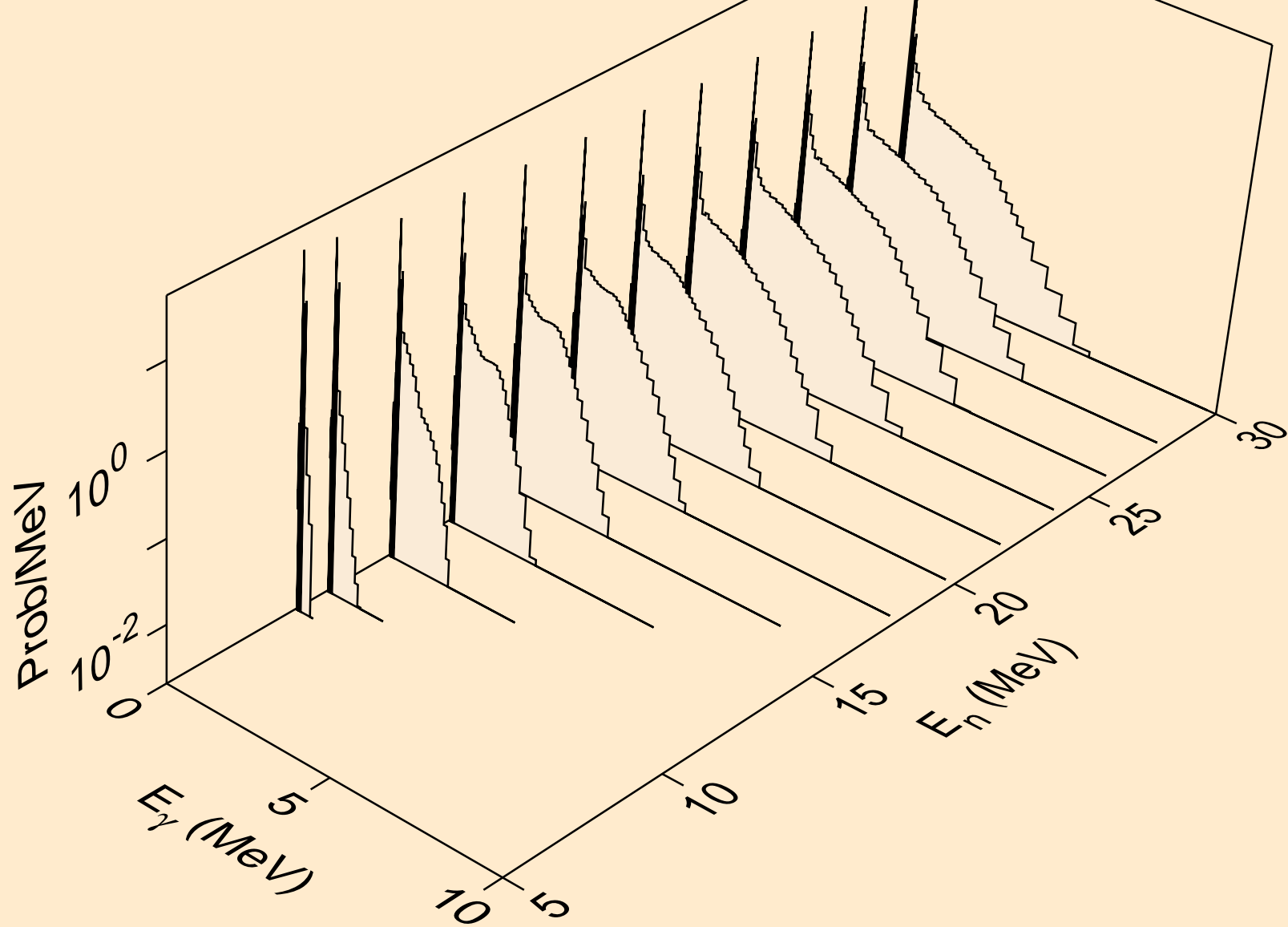
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Photon emission for (n,gma)



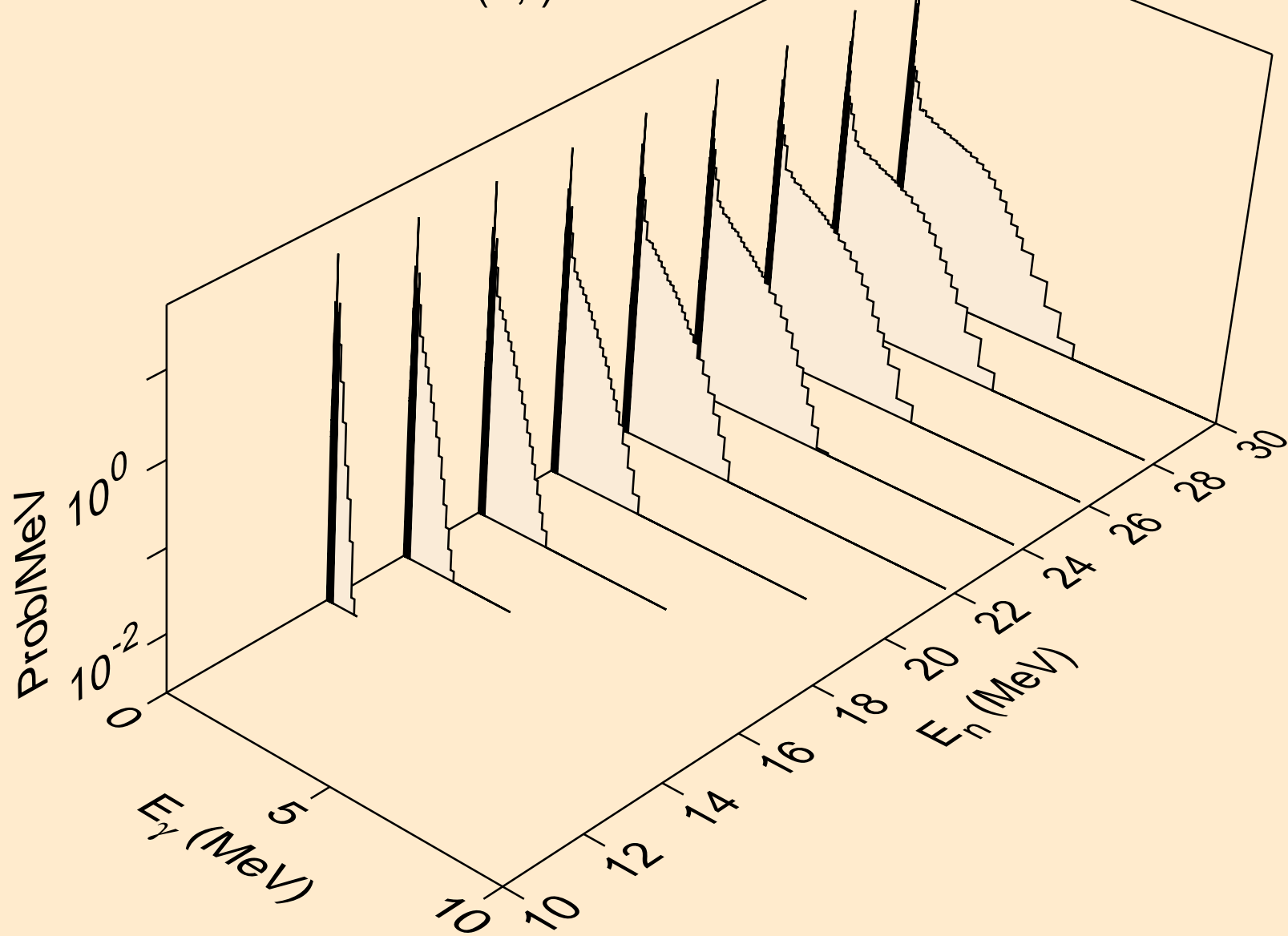
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



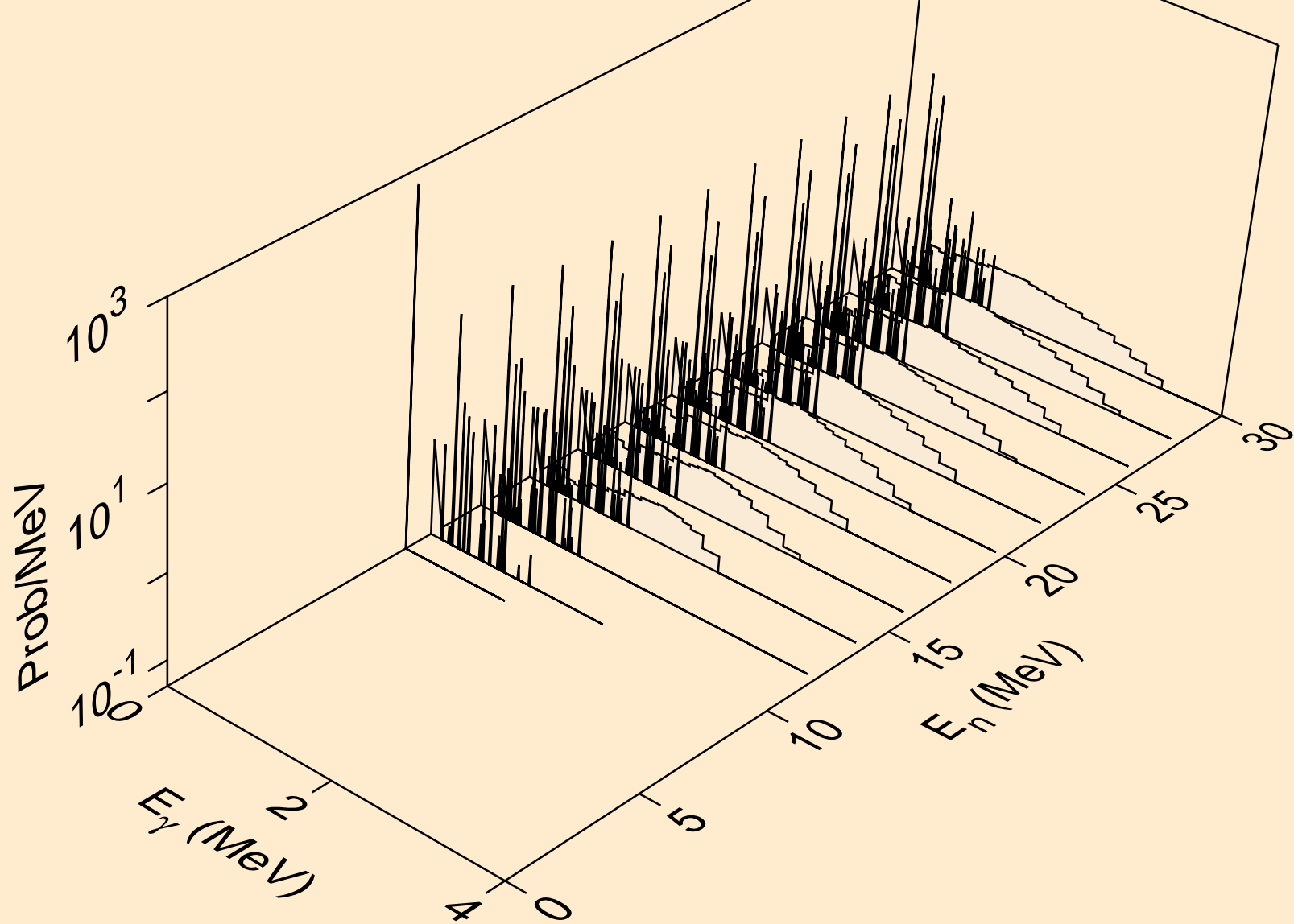
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

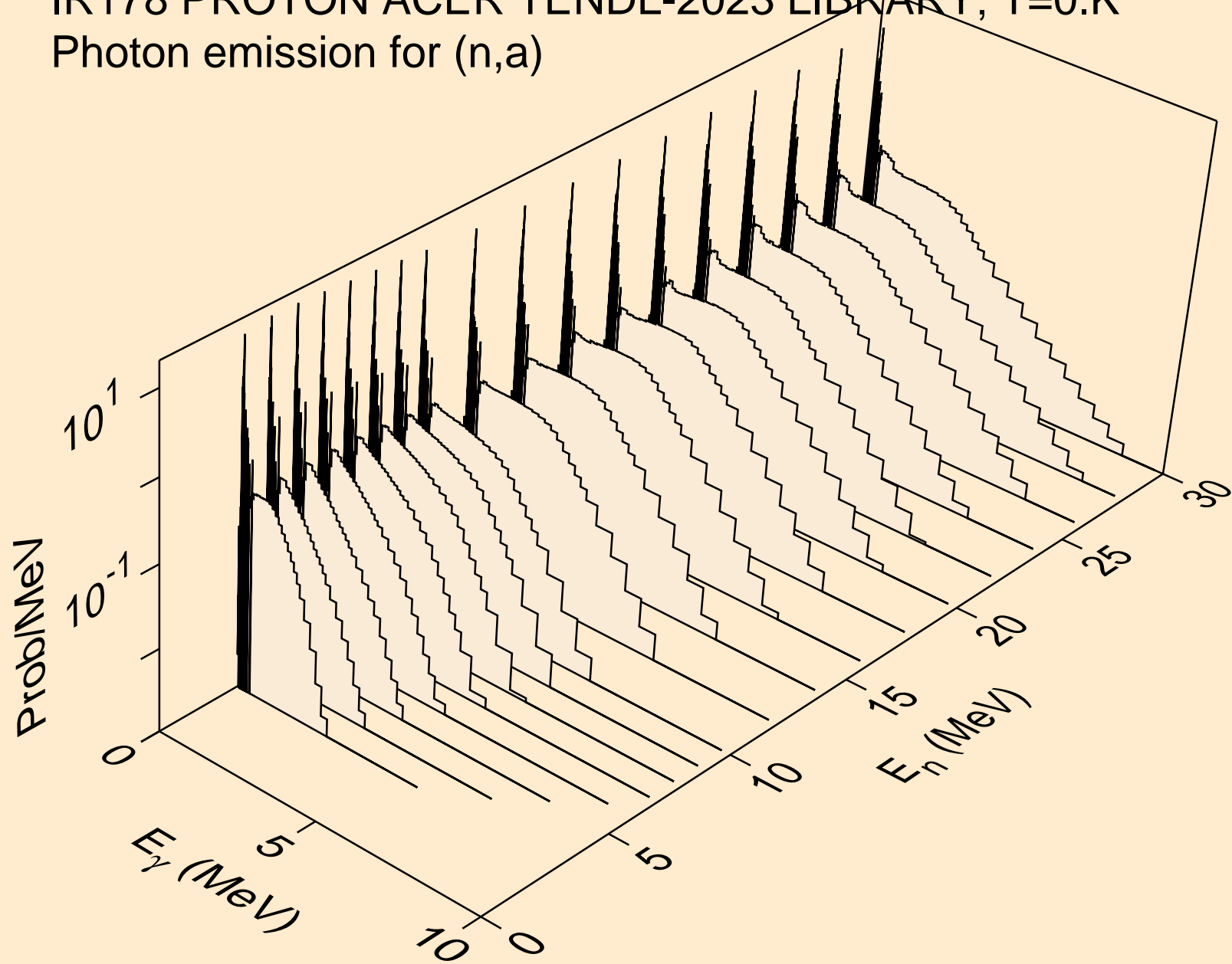


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Photon emission for (n,he3)

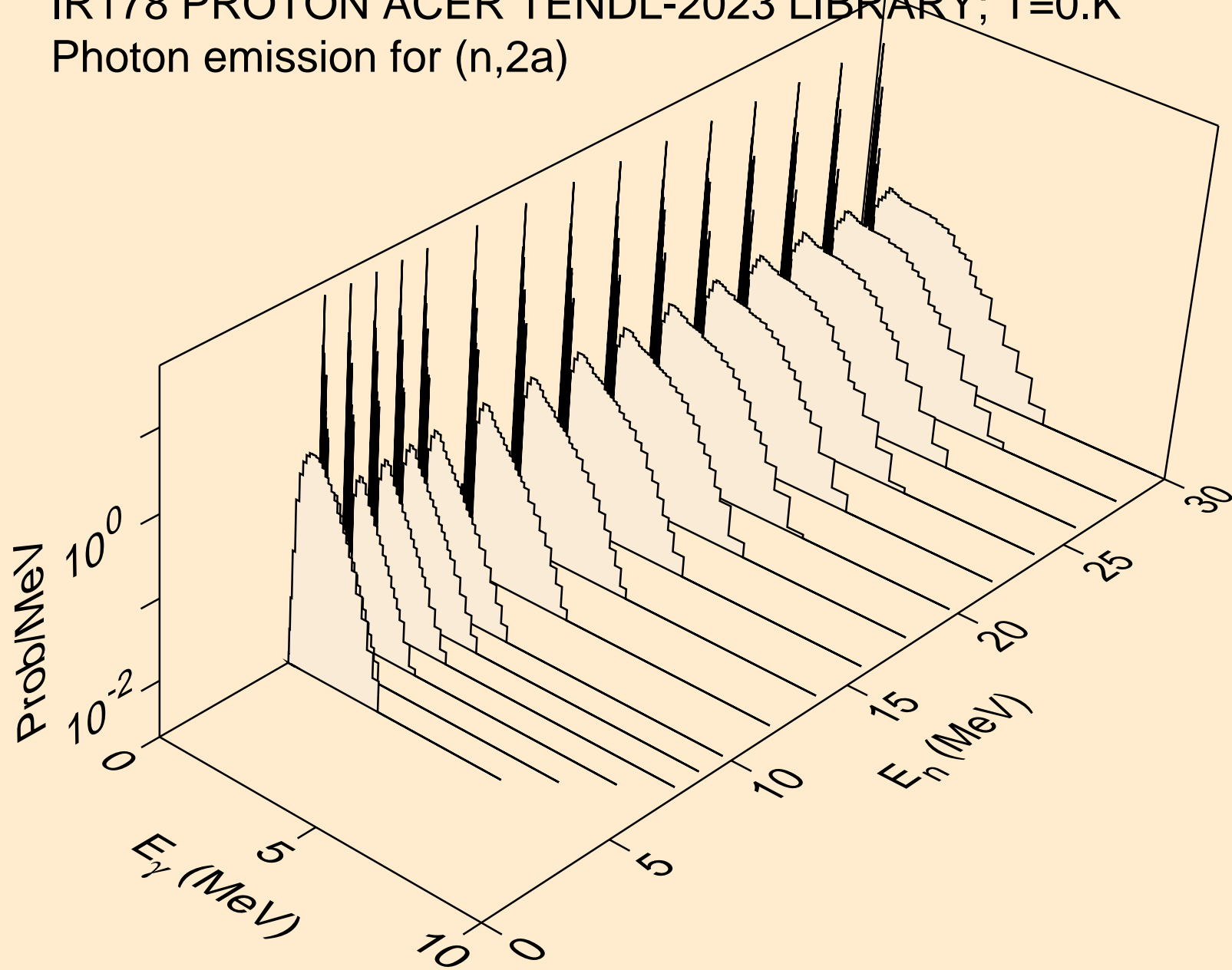




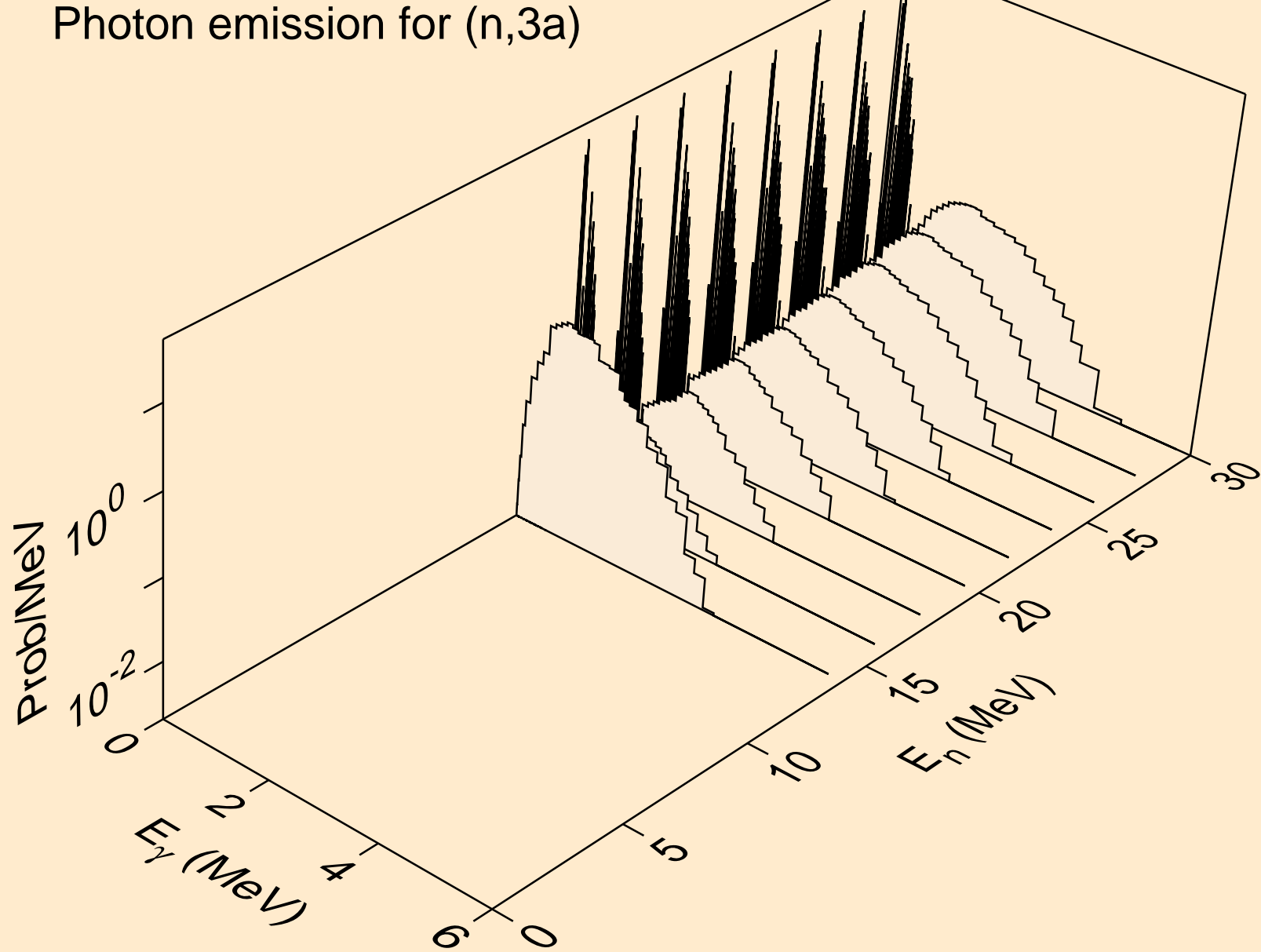
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



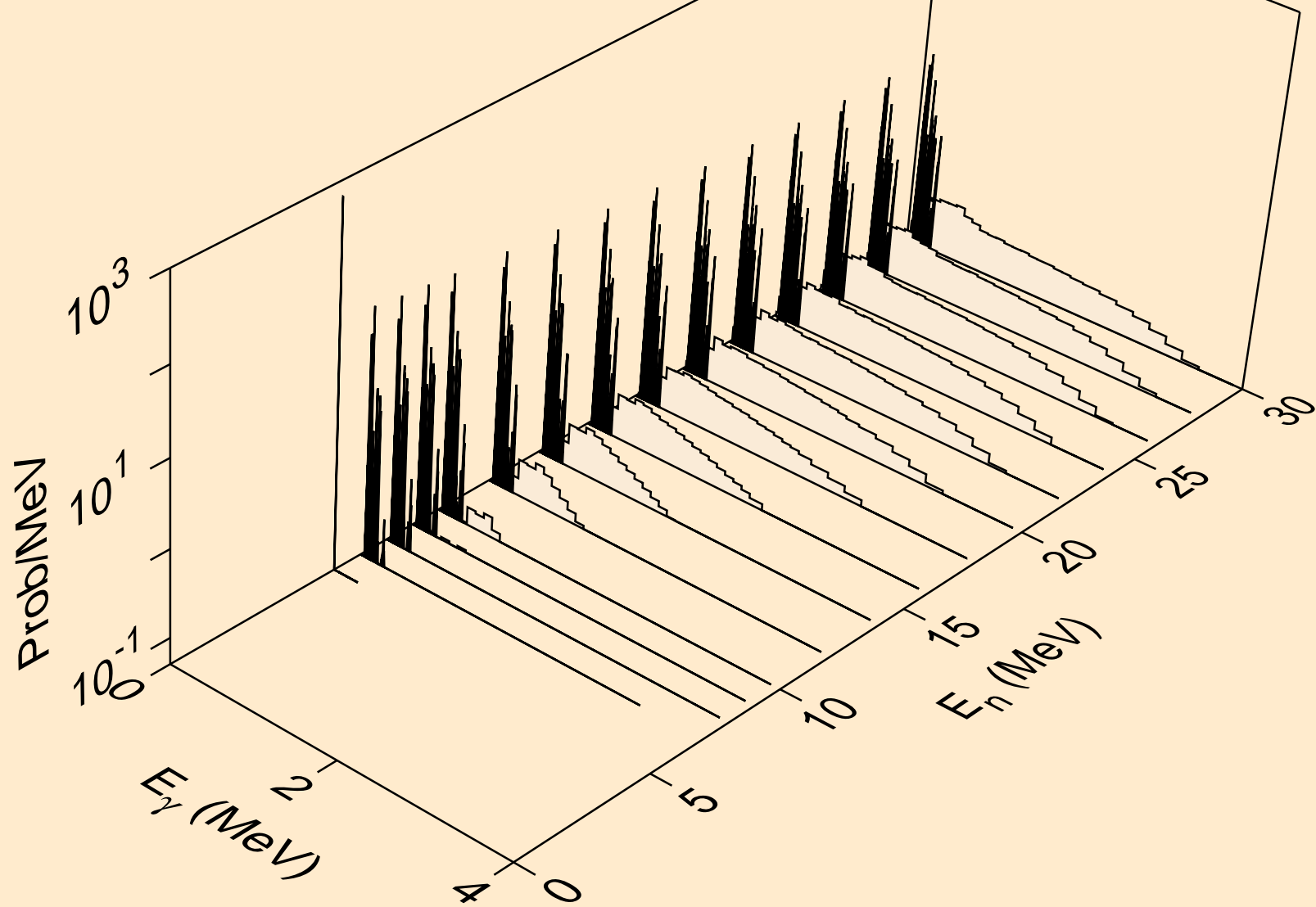
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



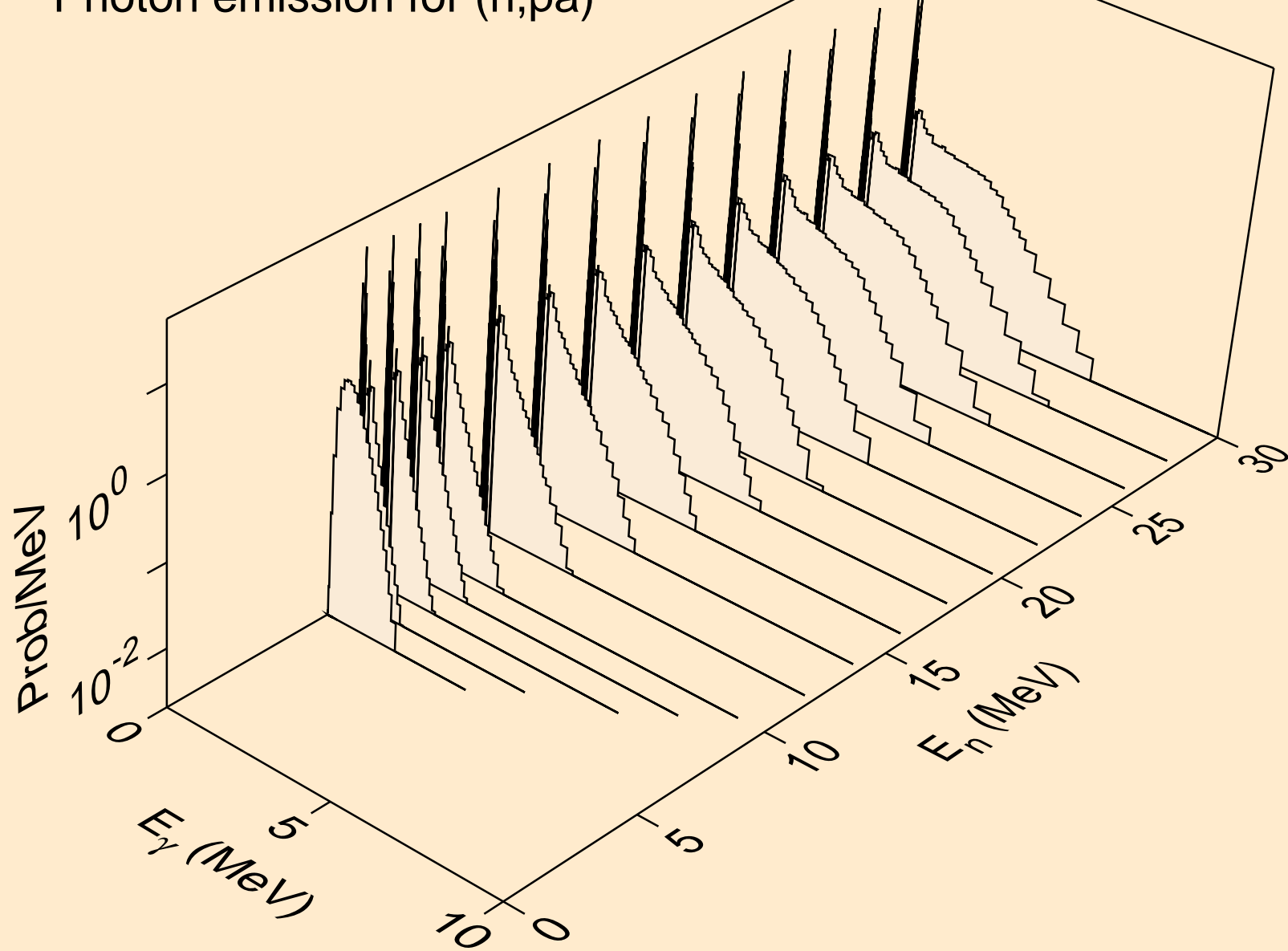
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3a)



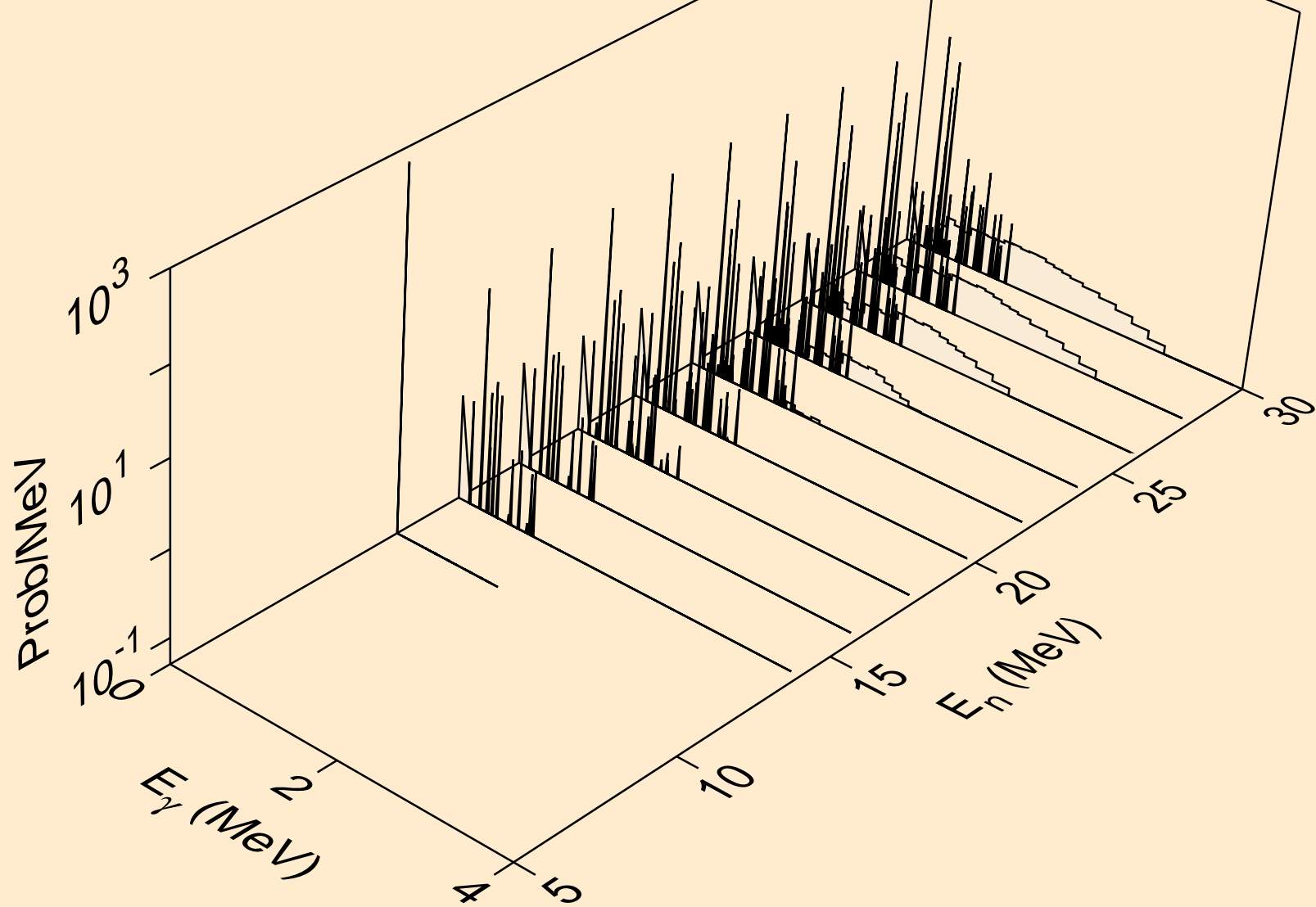
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Photon emission for (n,2p)



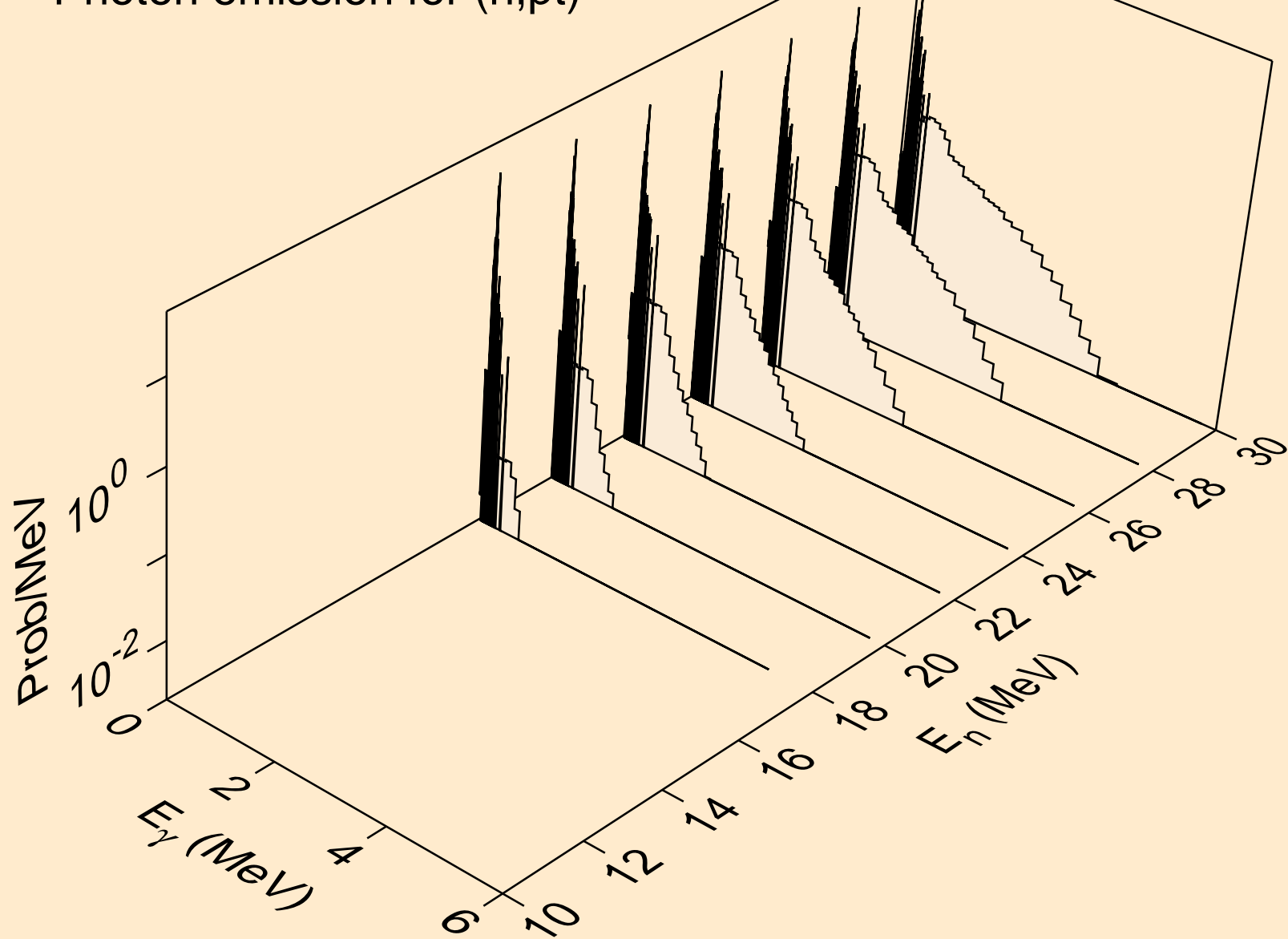
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)



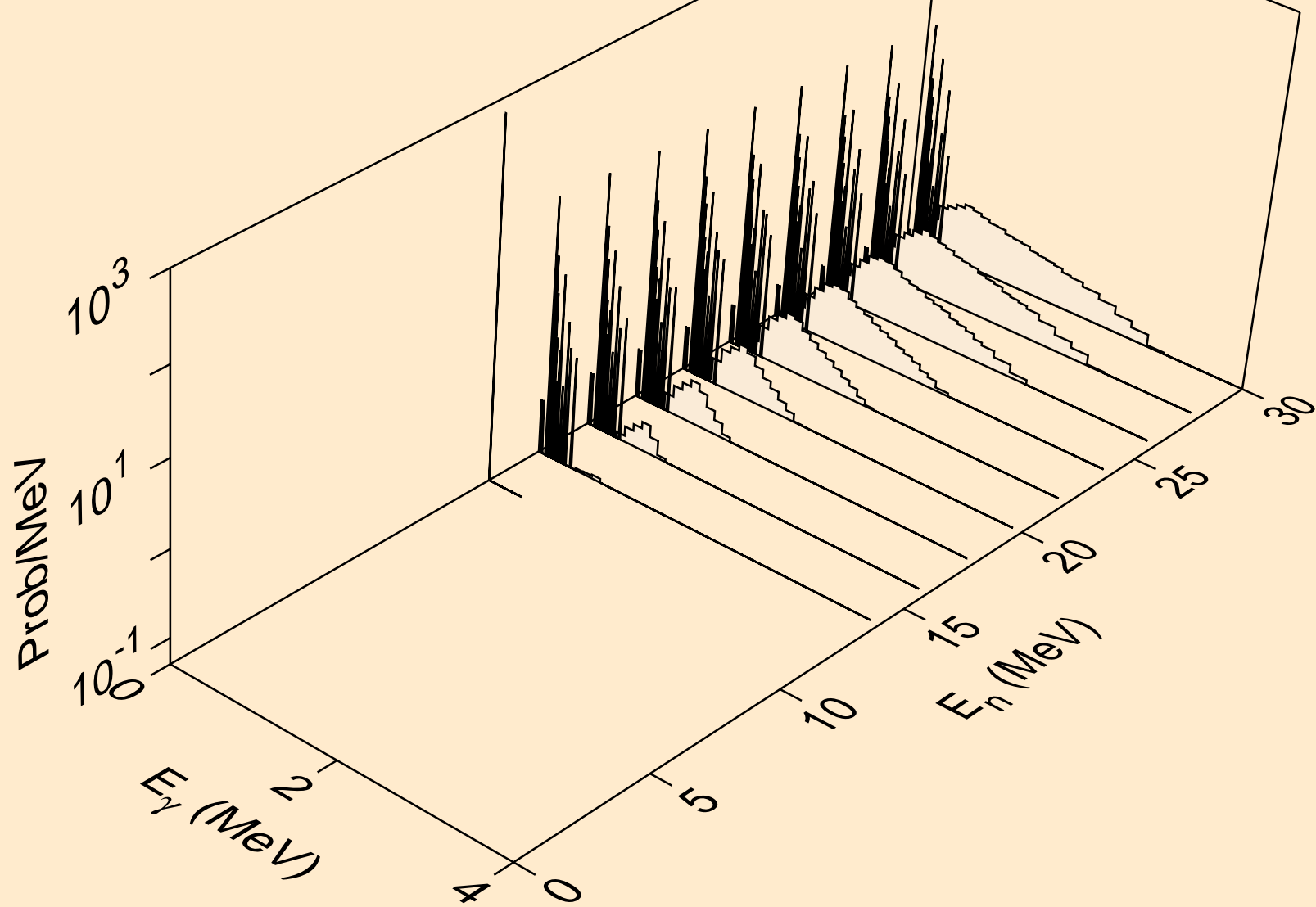
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

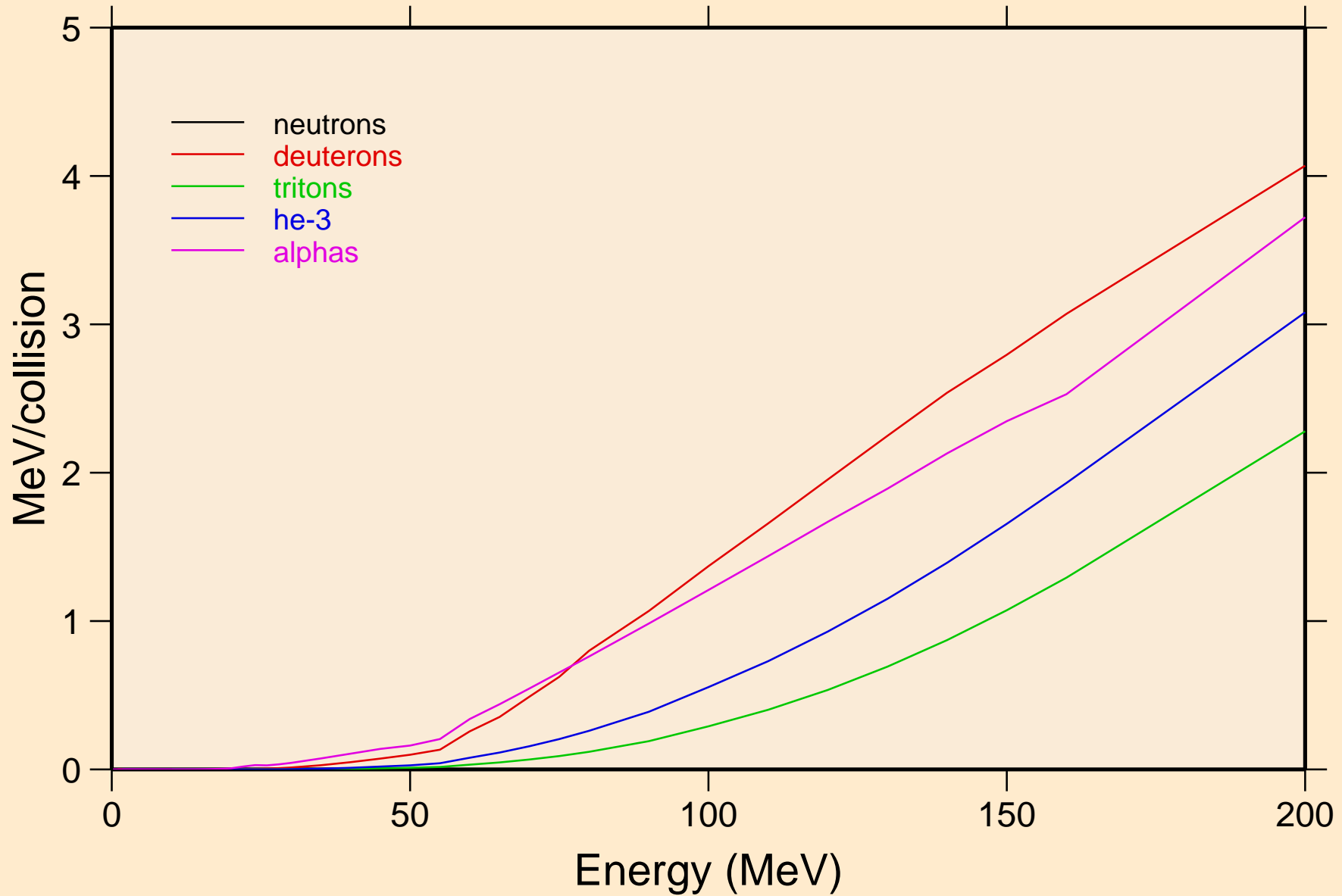


IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

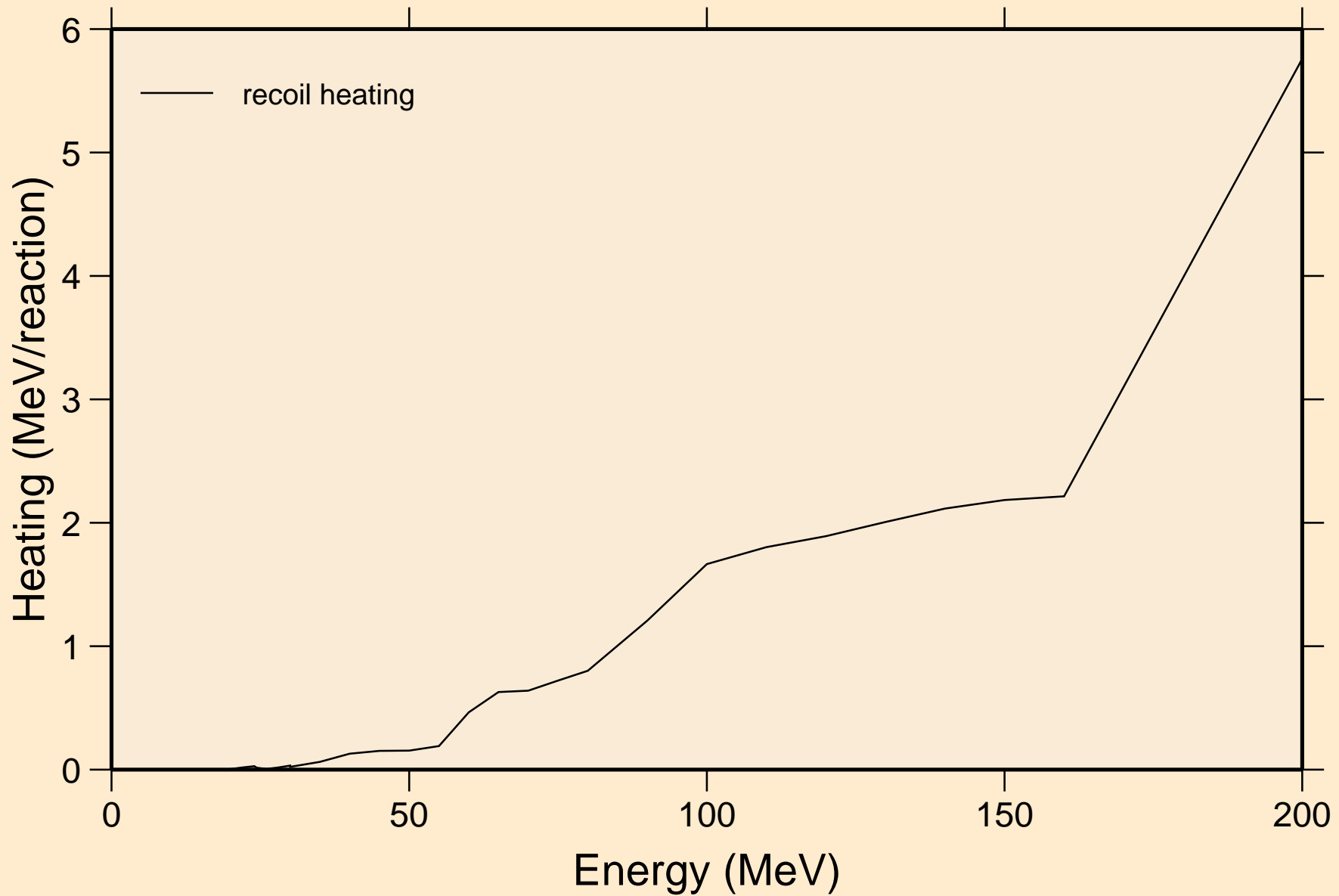




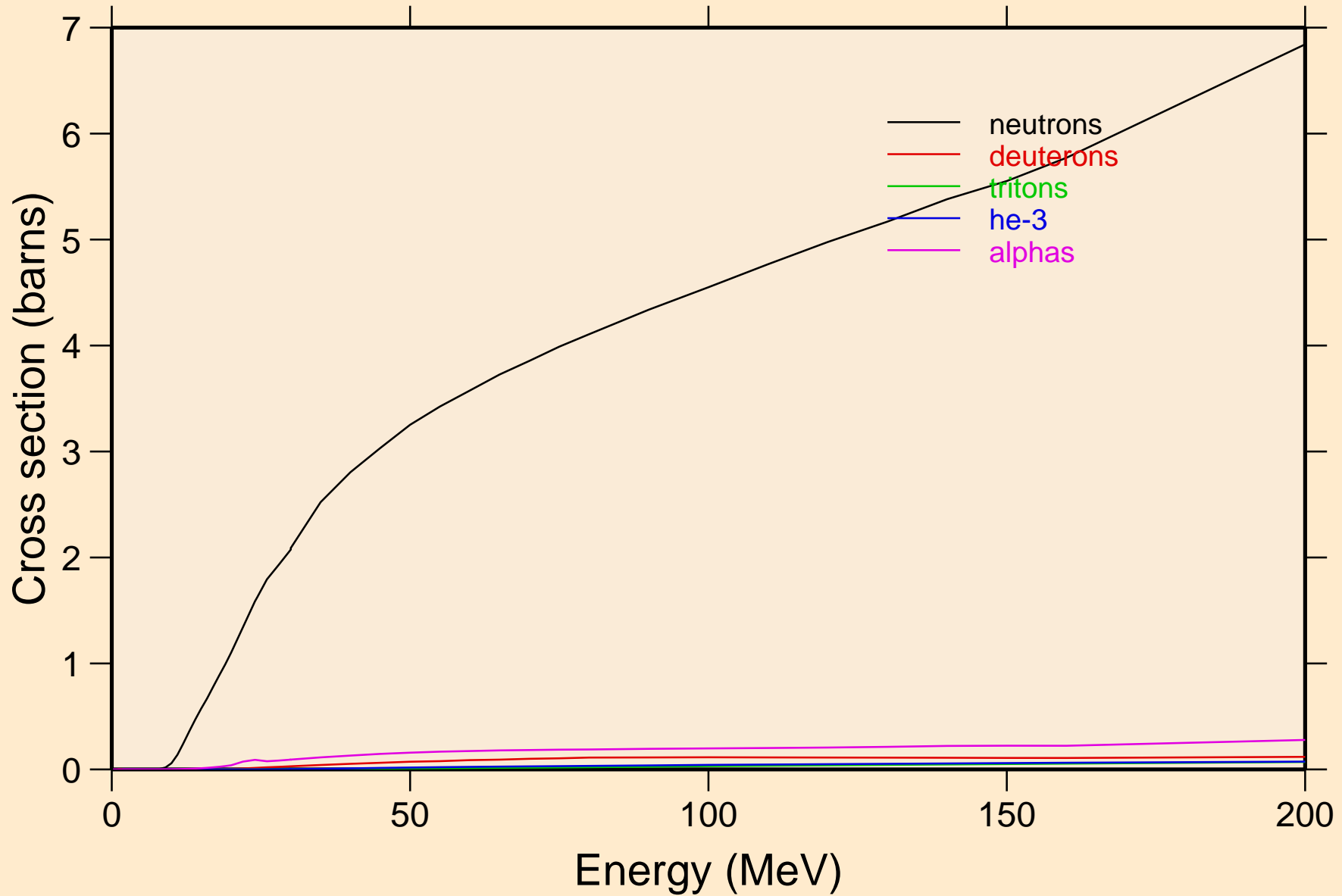
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions



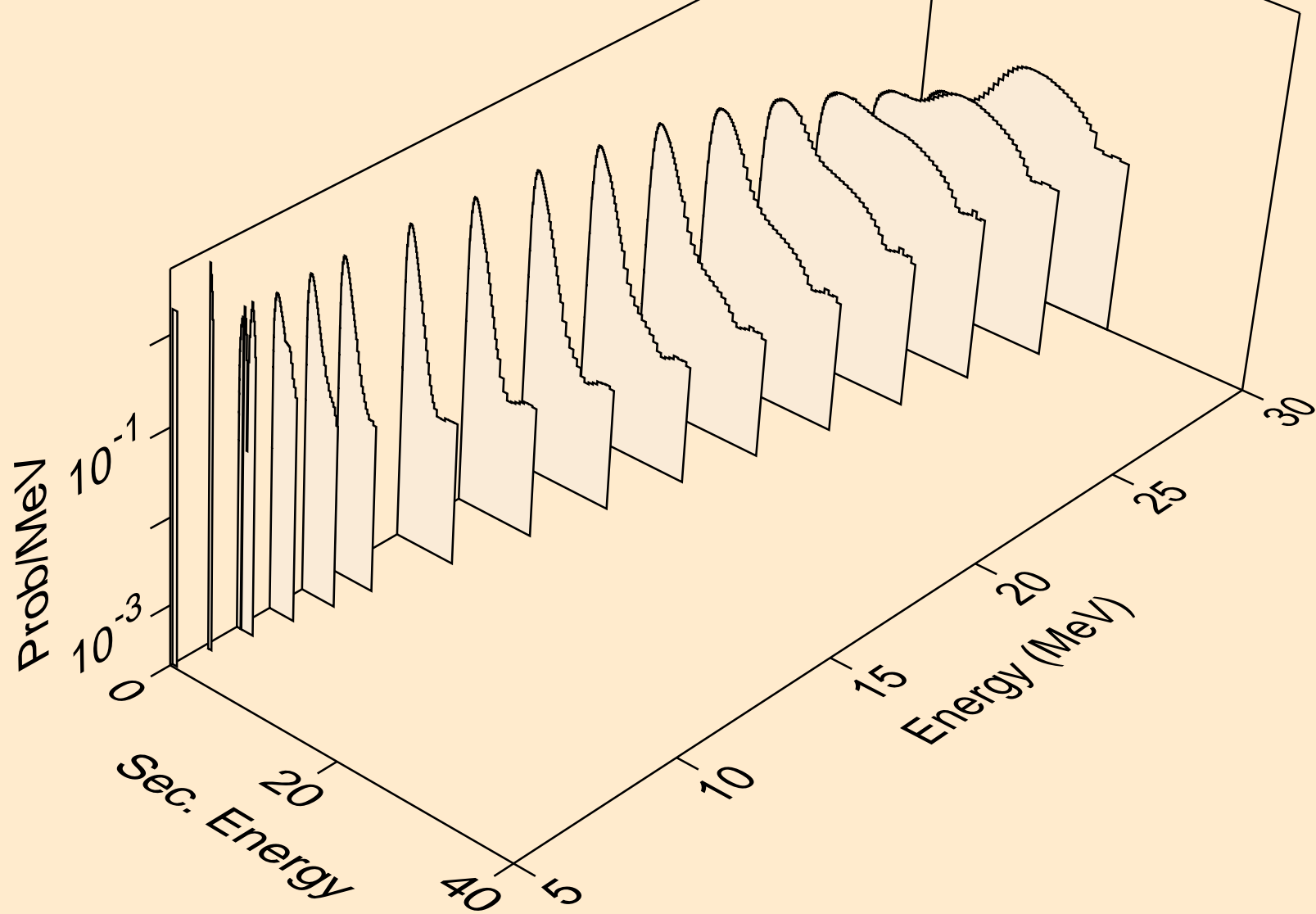
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



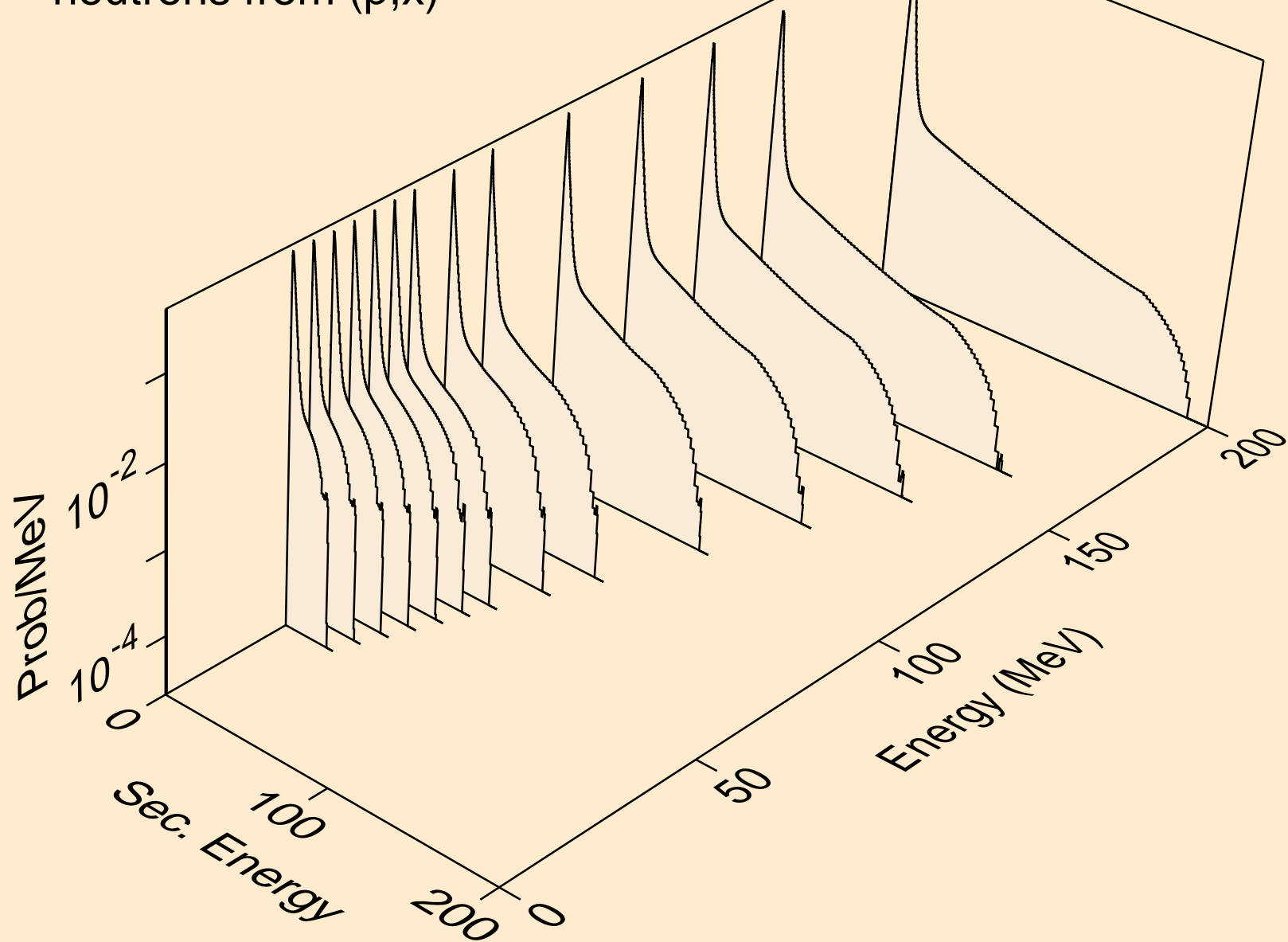
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



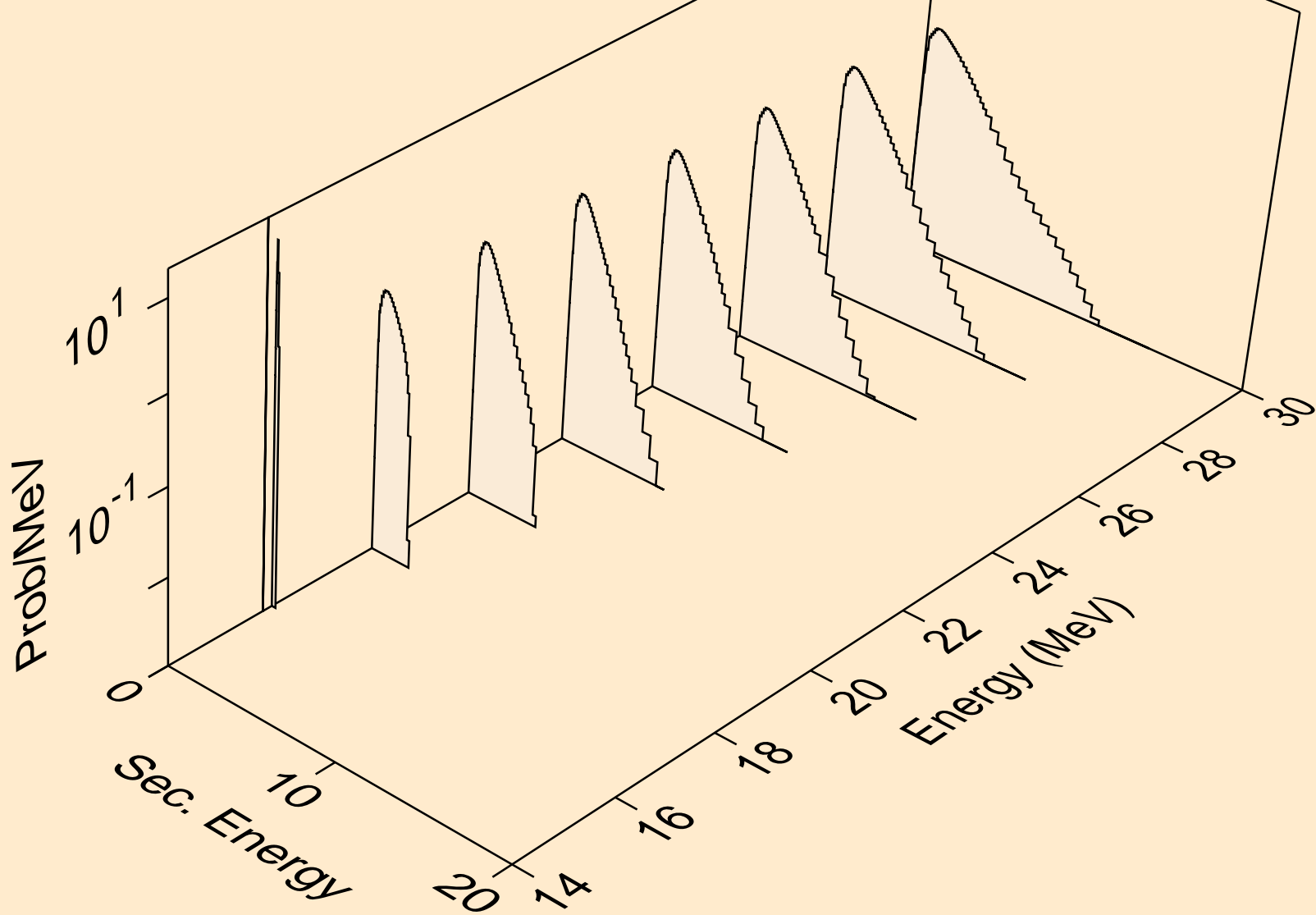
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



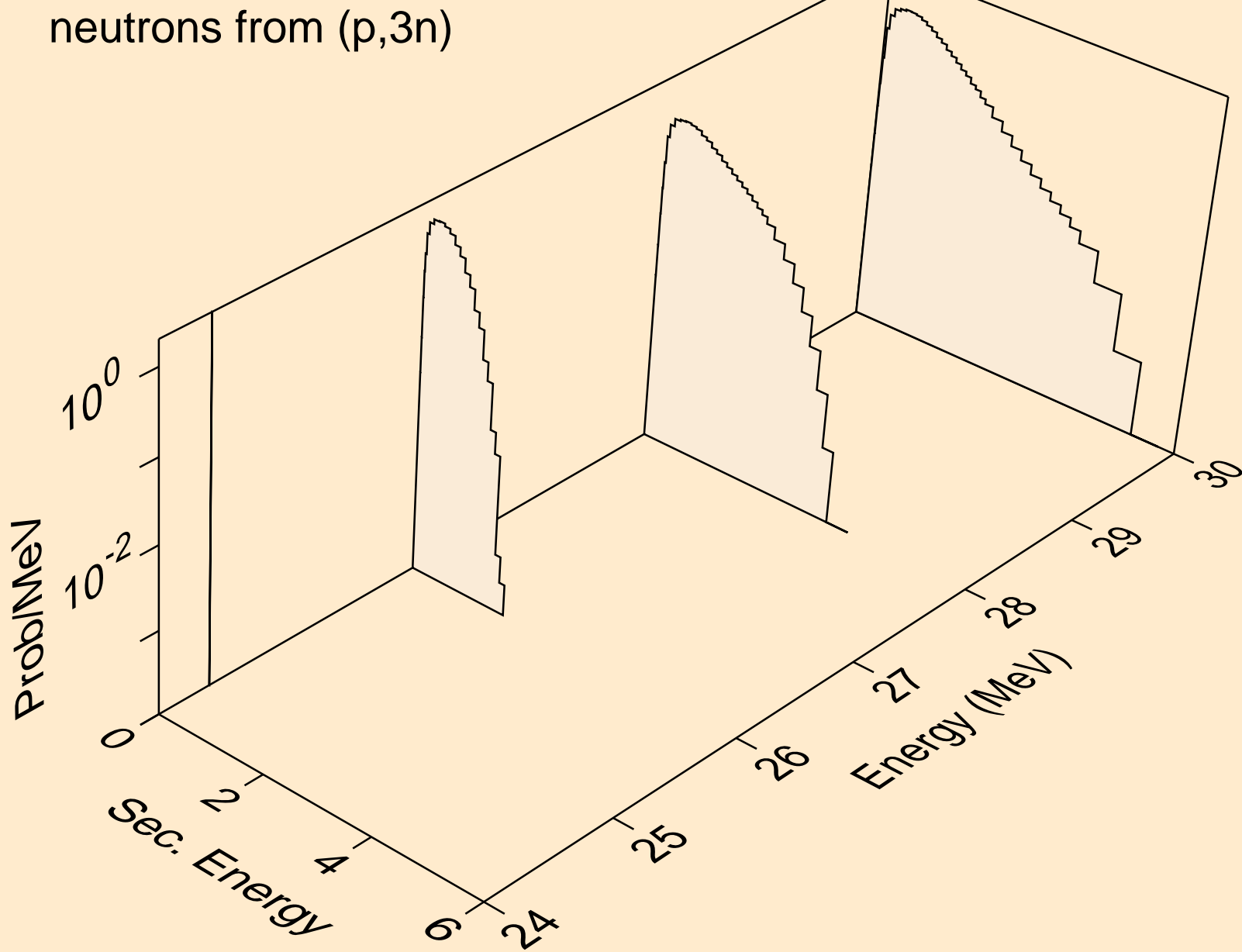
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)



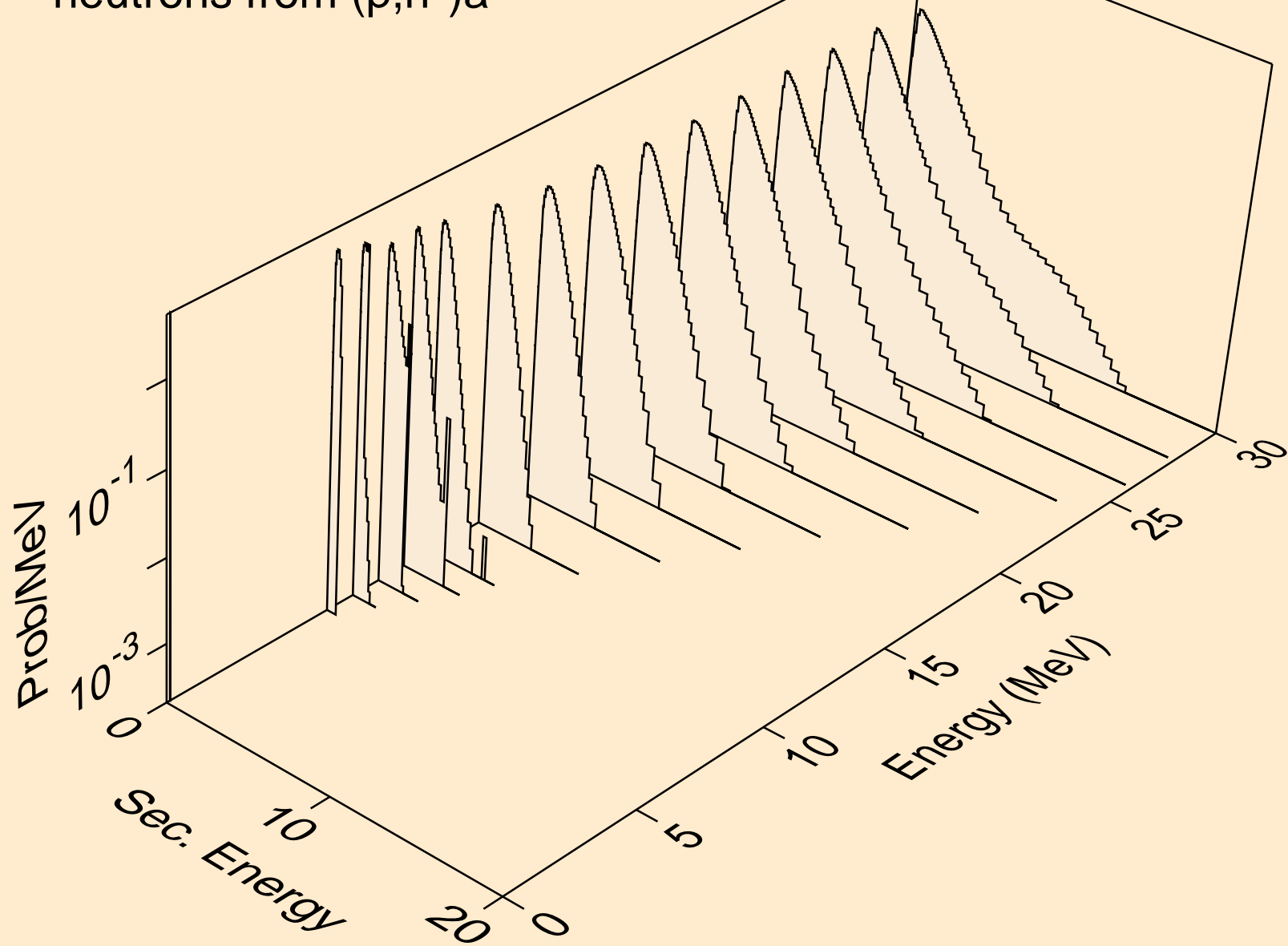
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)



IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3n)

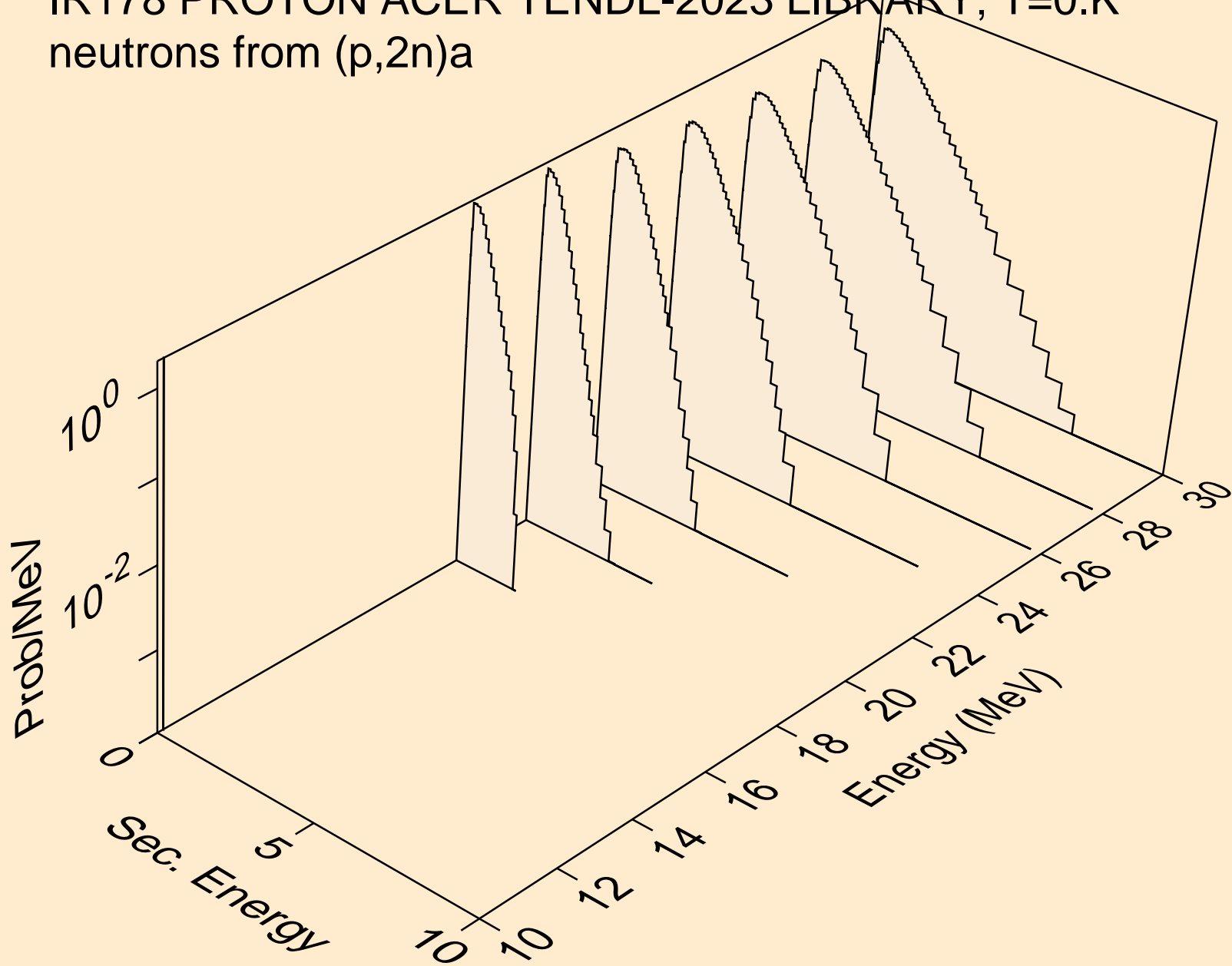


IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a

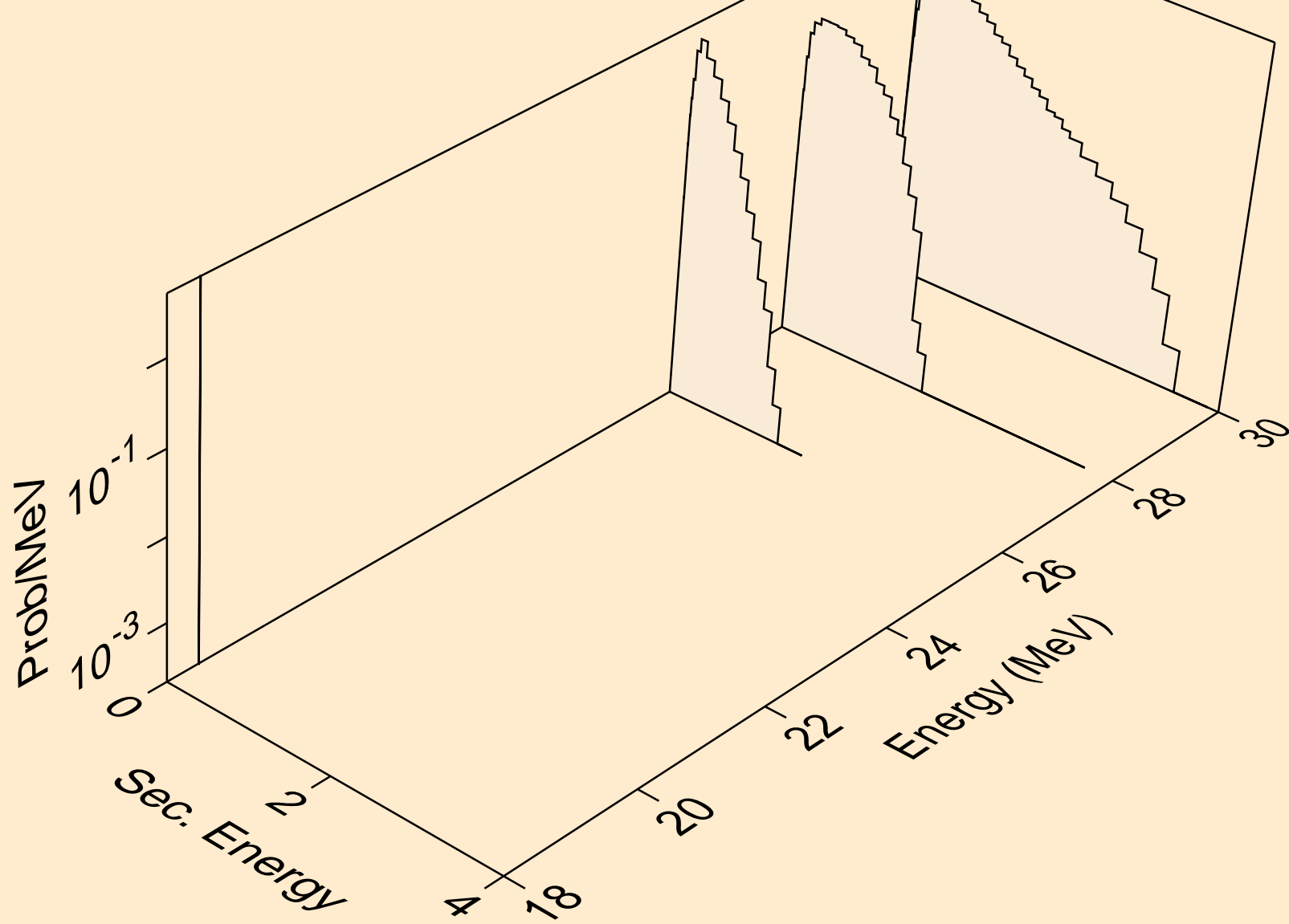




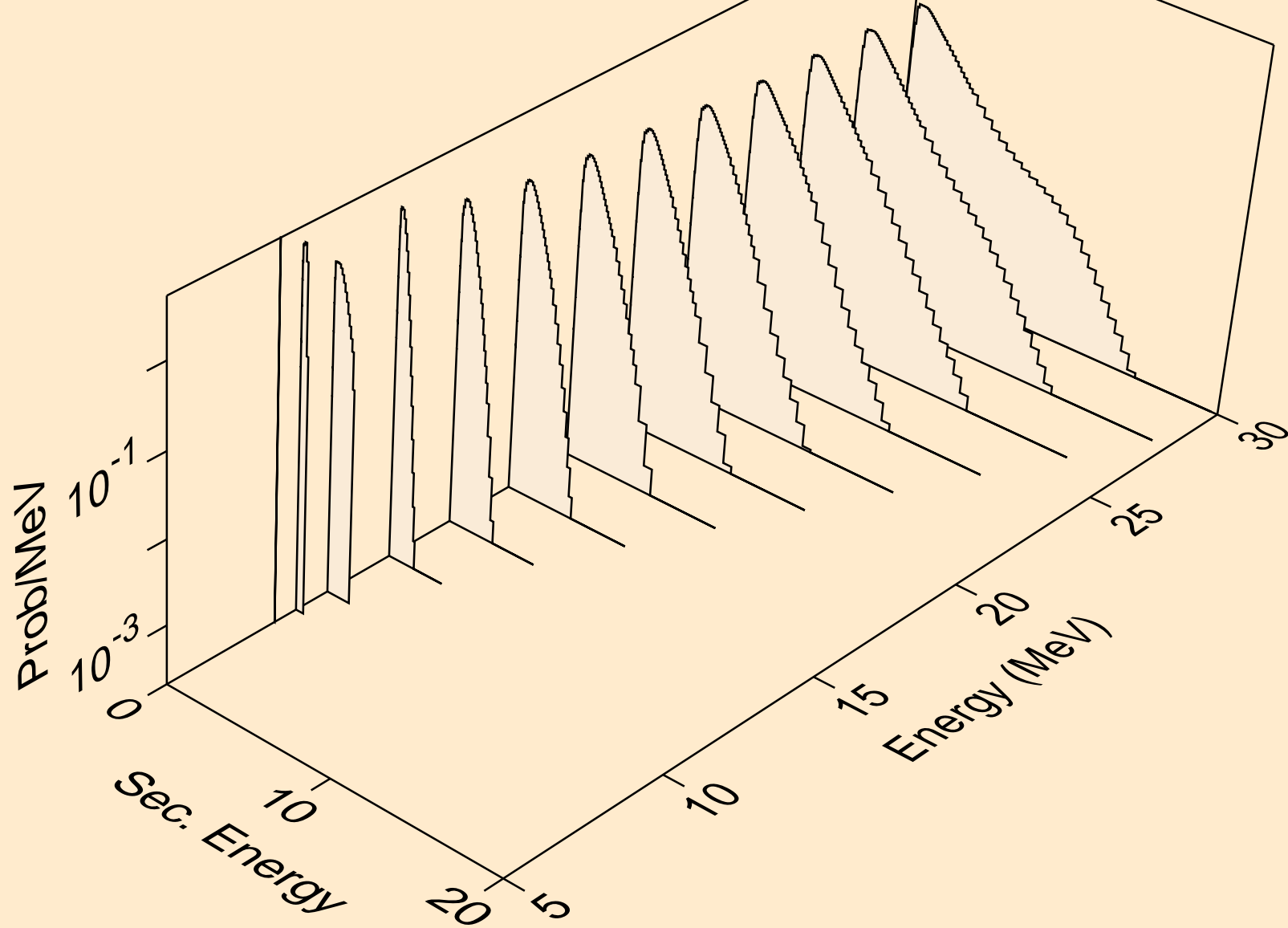
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)a



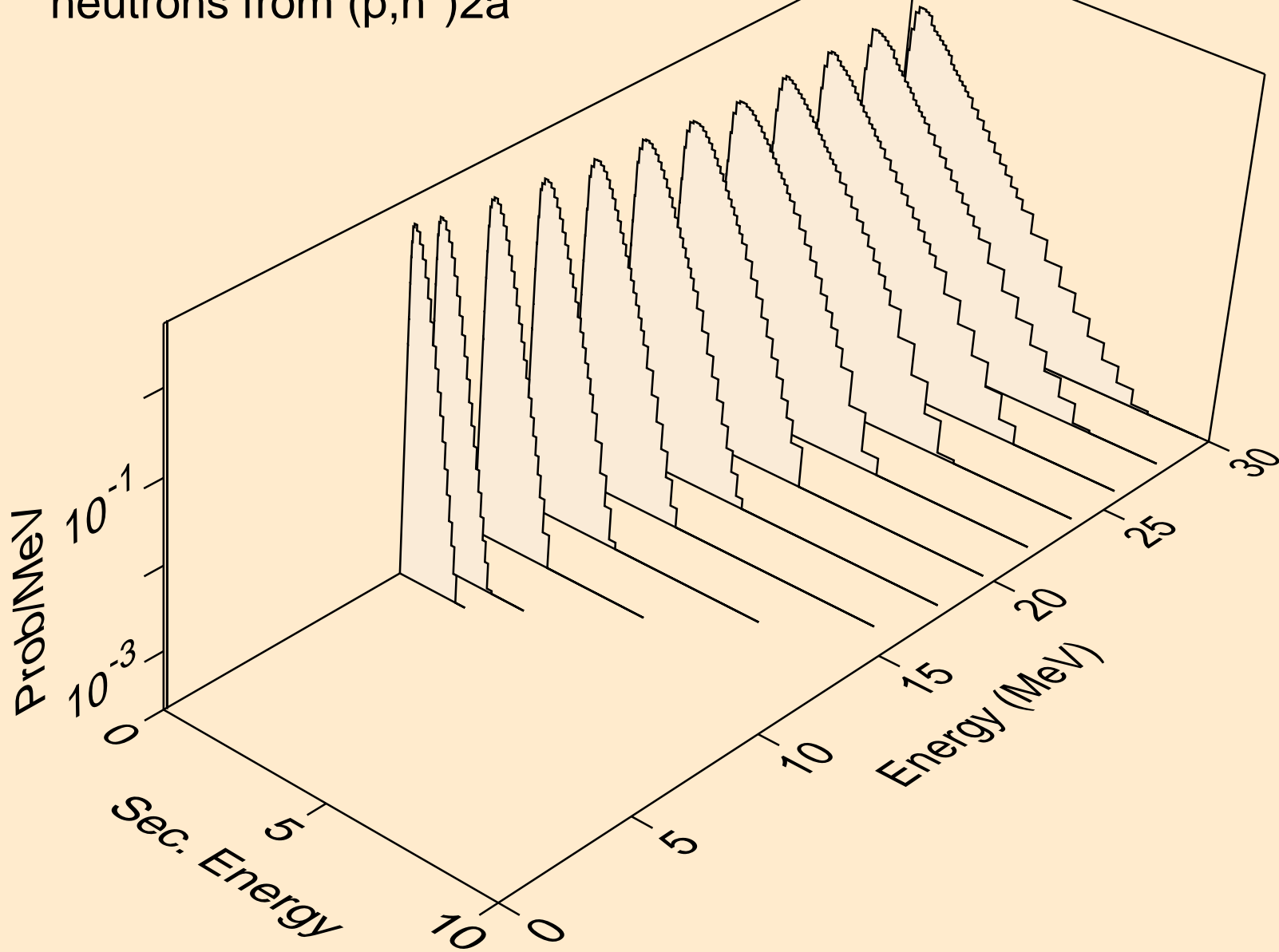
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3n)a



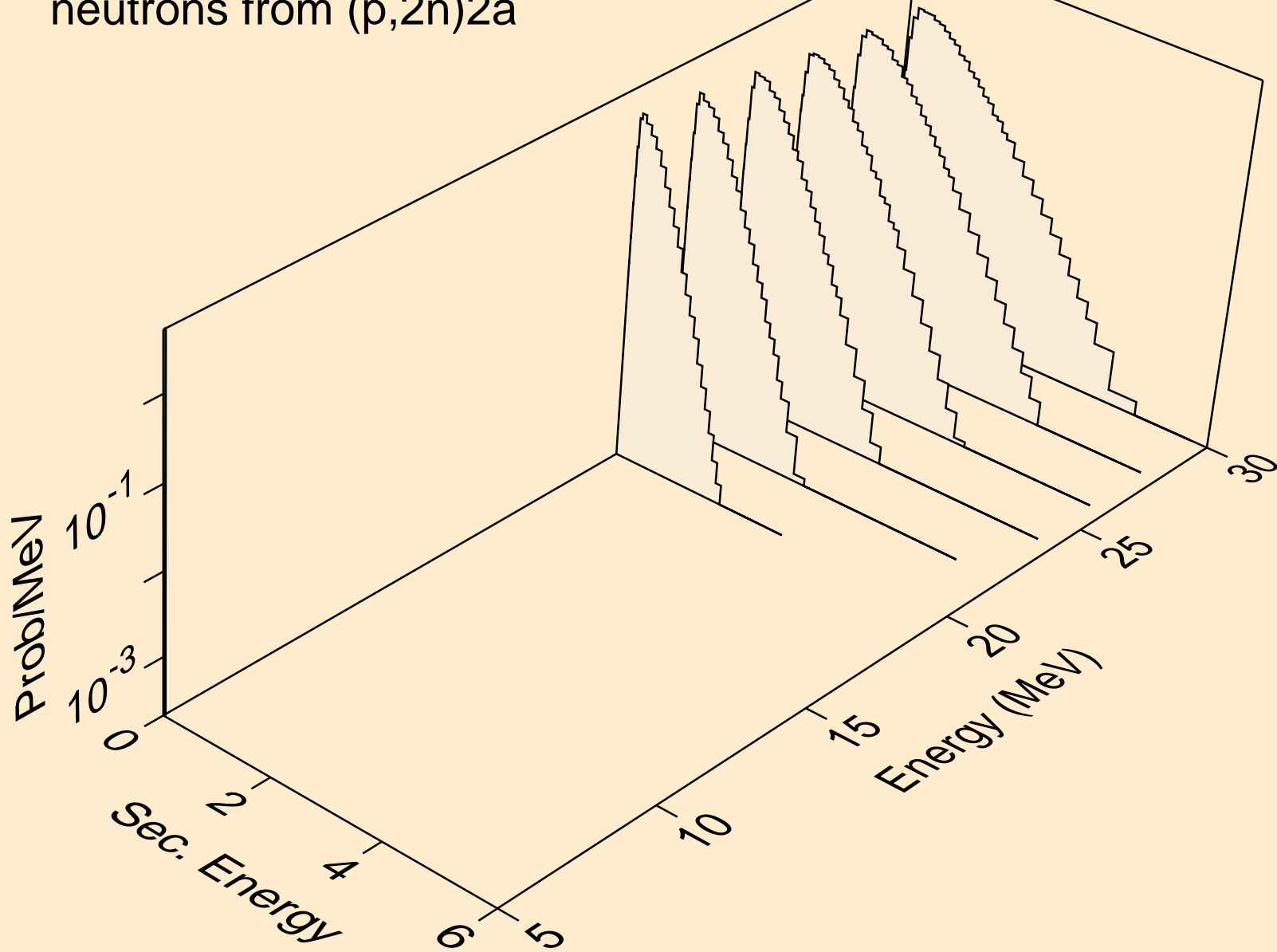
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)p



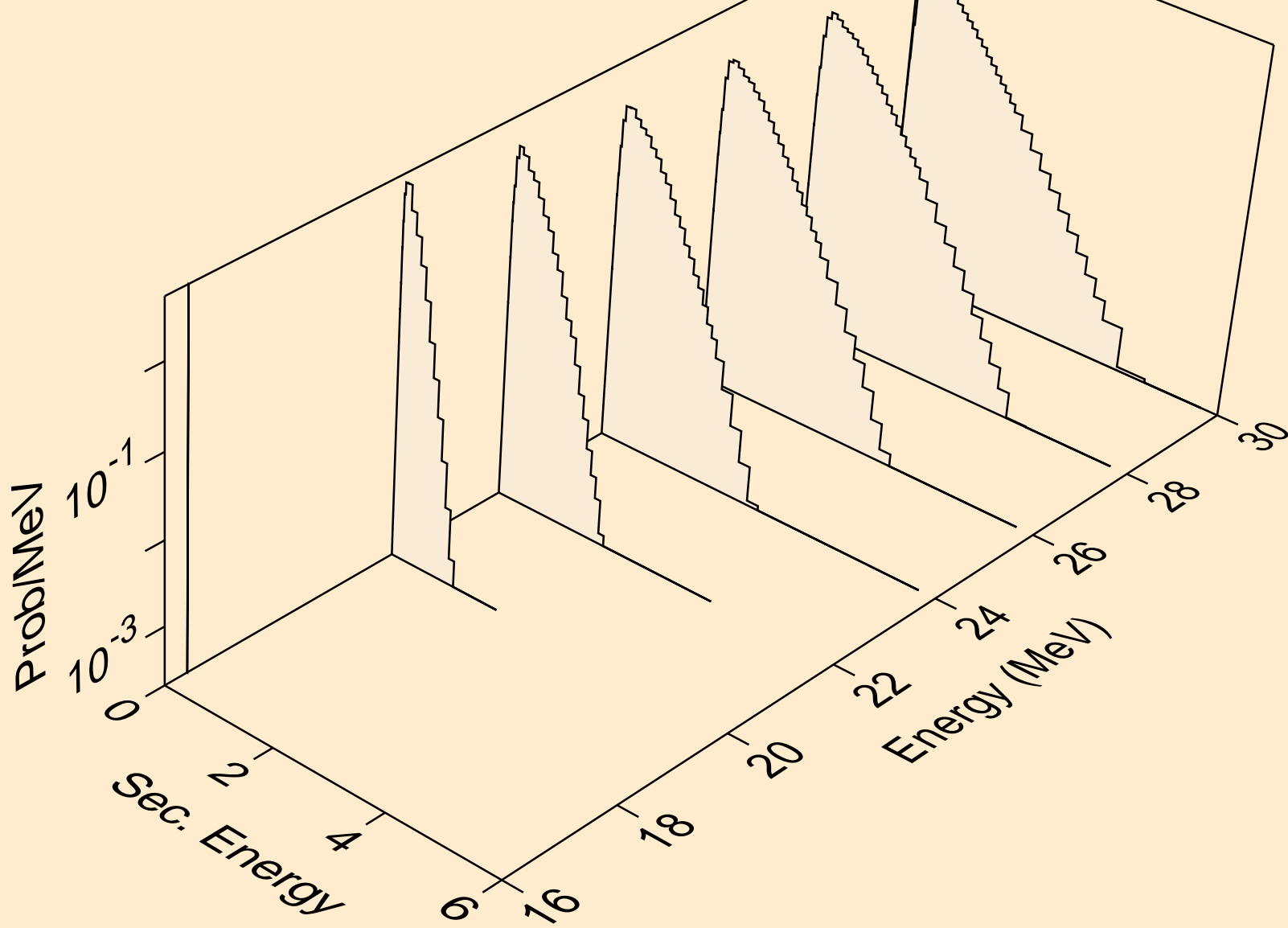
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neutrons from (p,n\*)2a



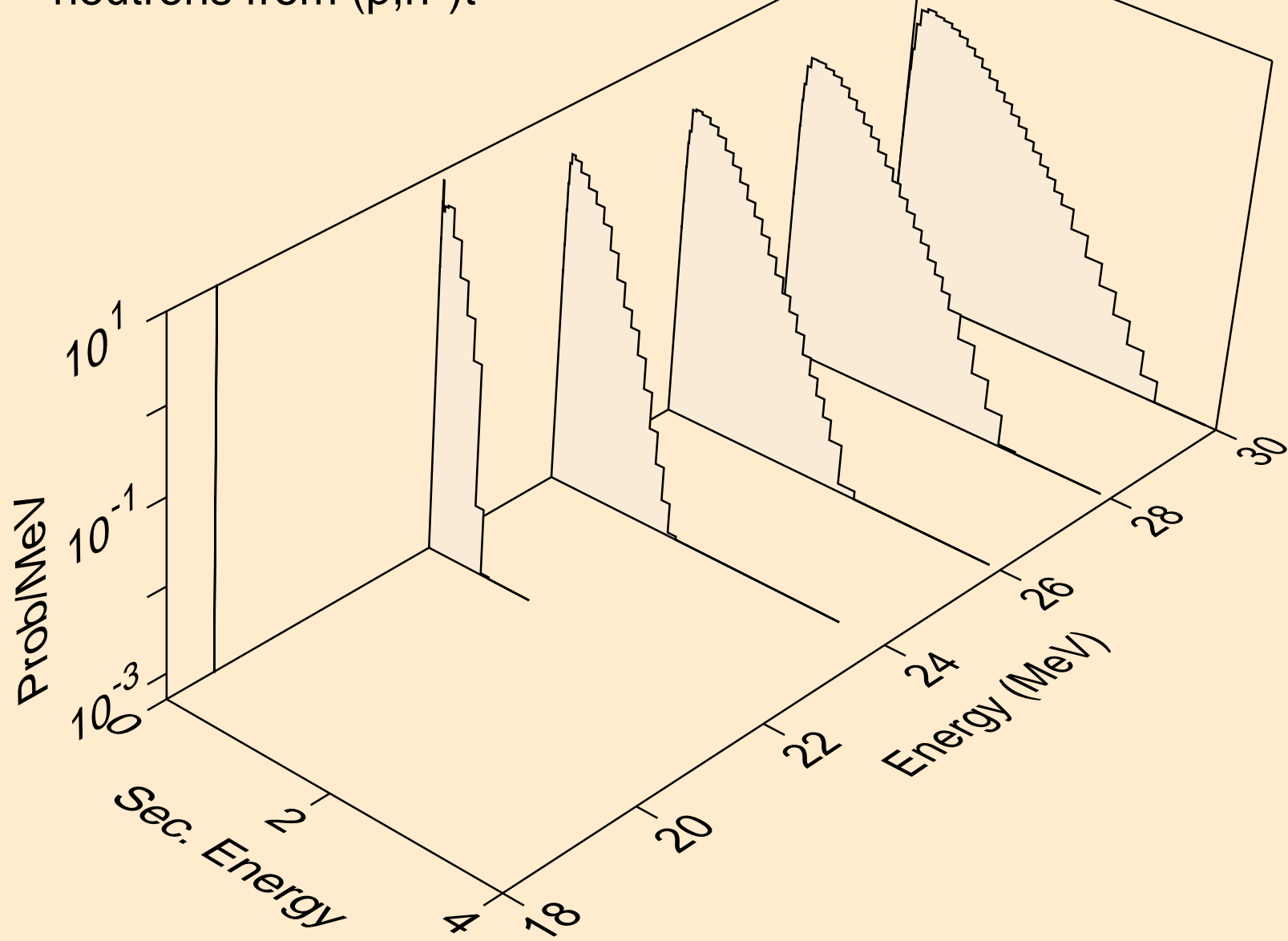
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)2a



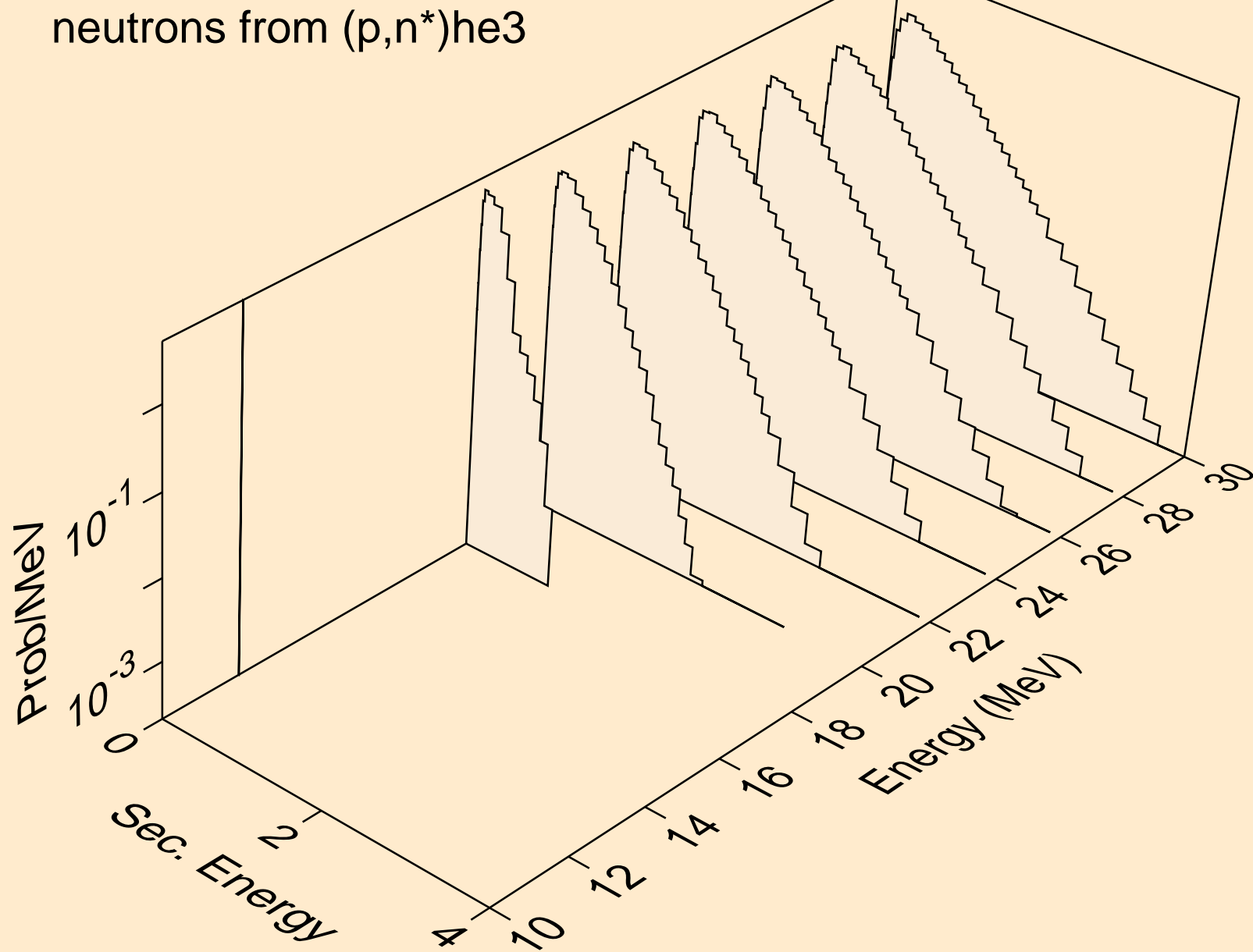
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)d



IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)t

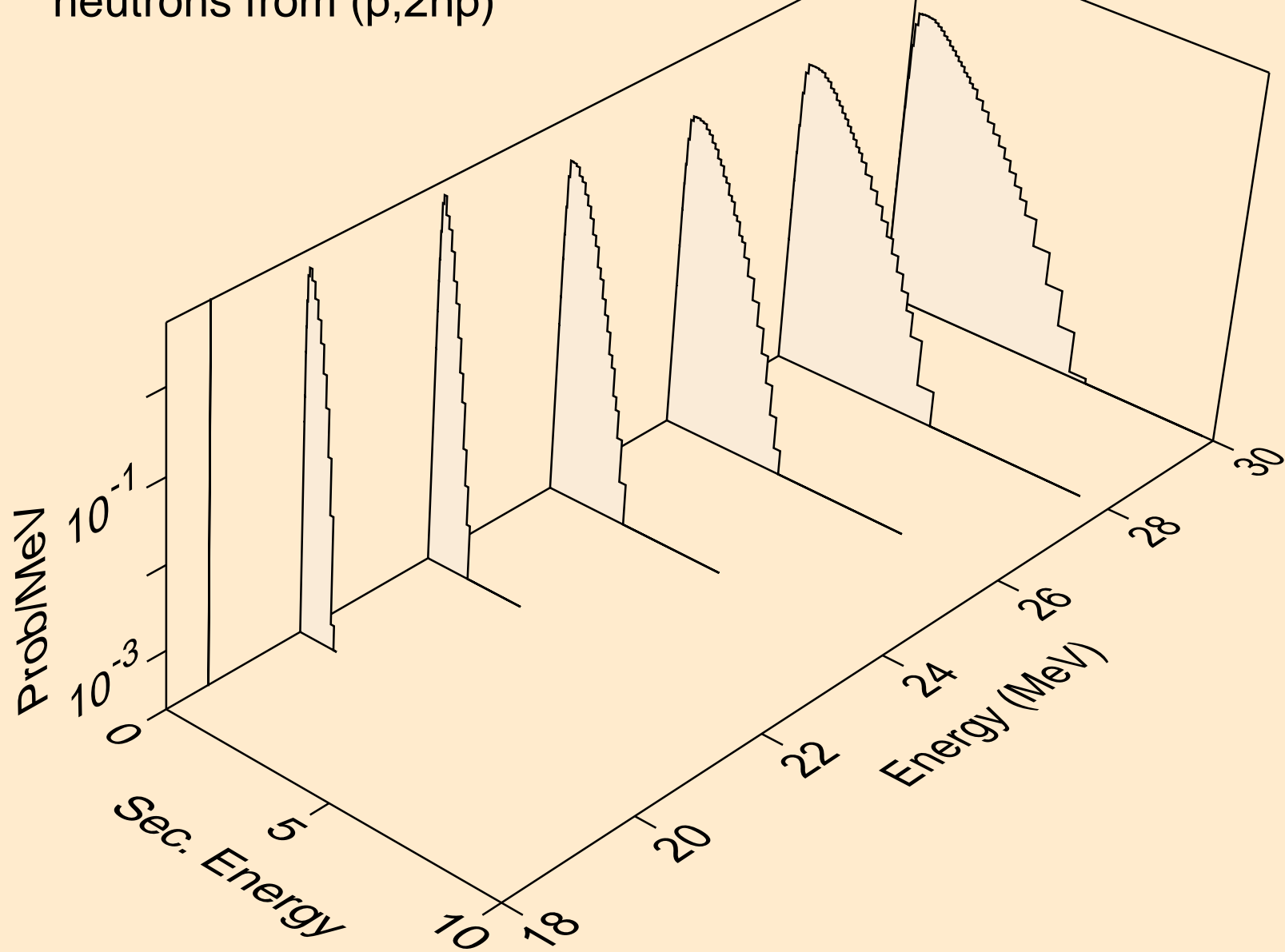


IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3

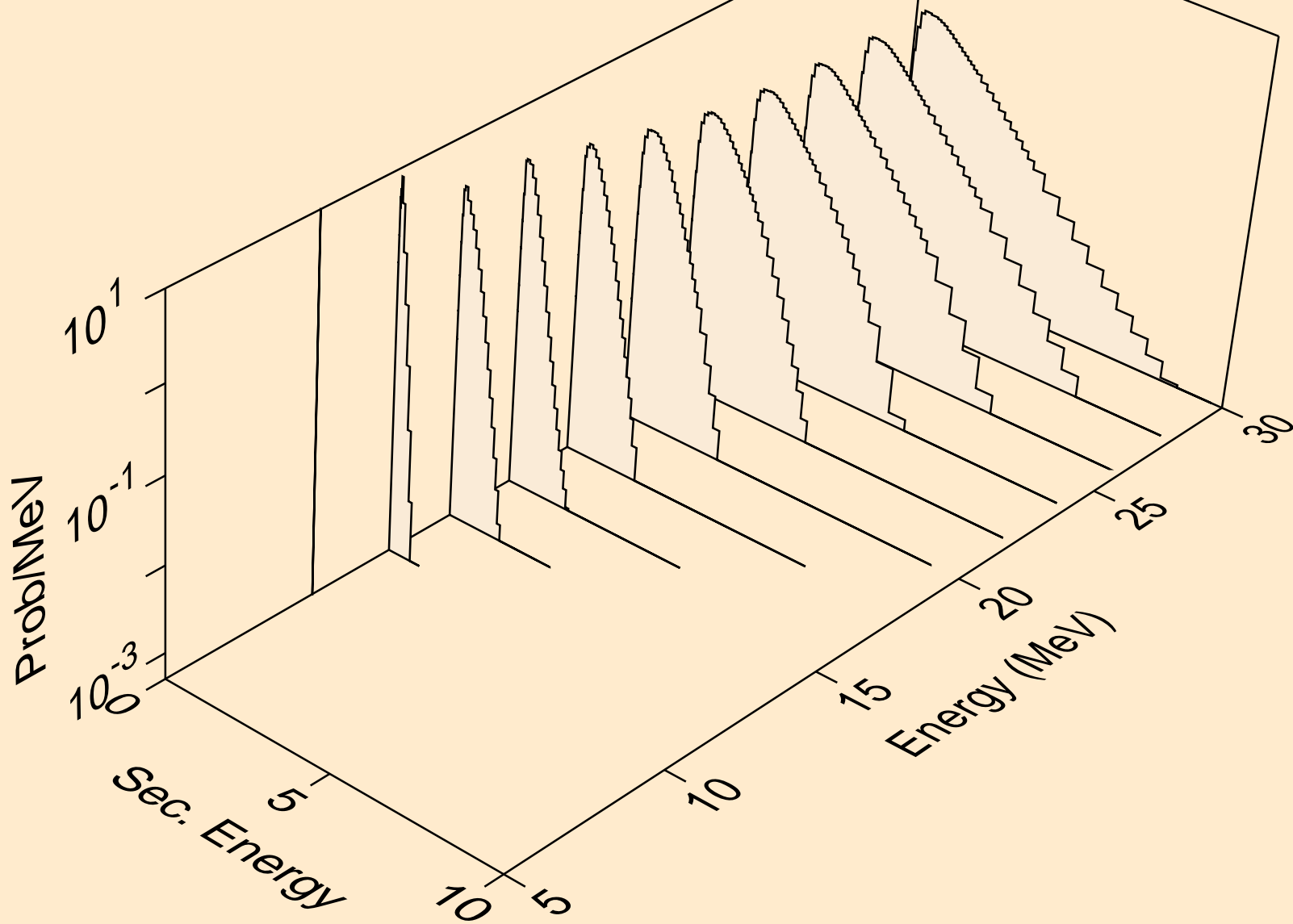




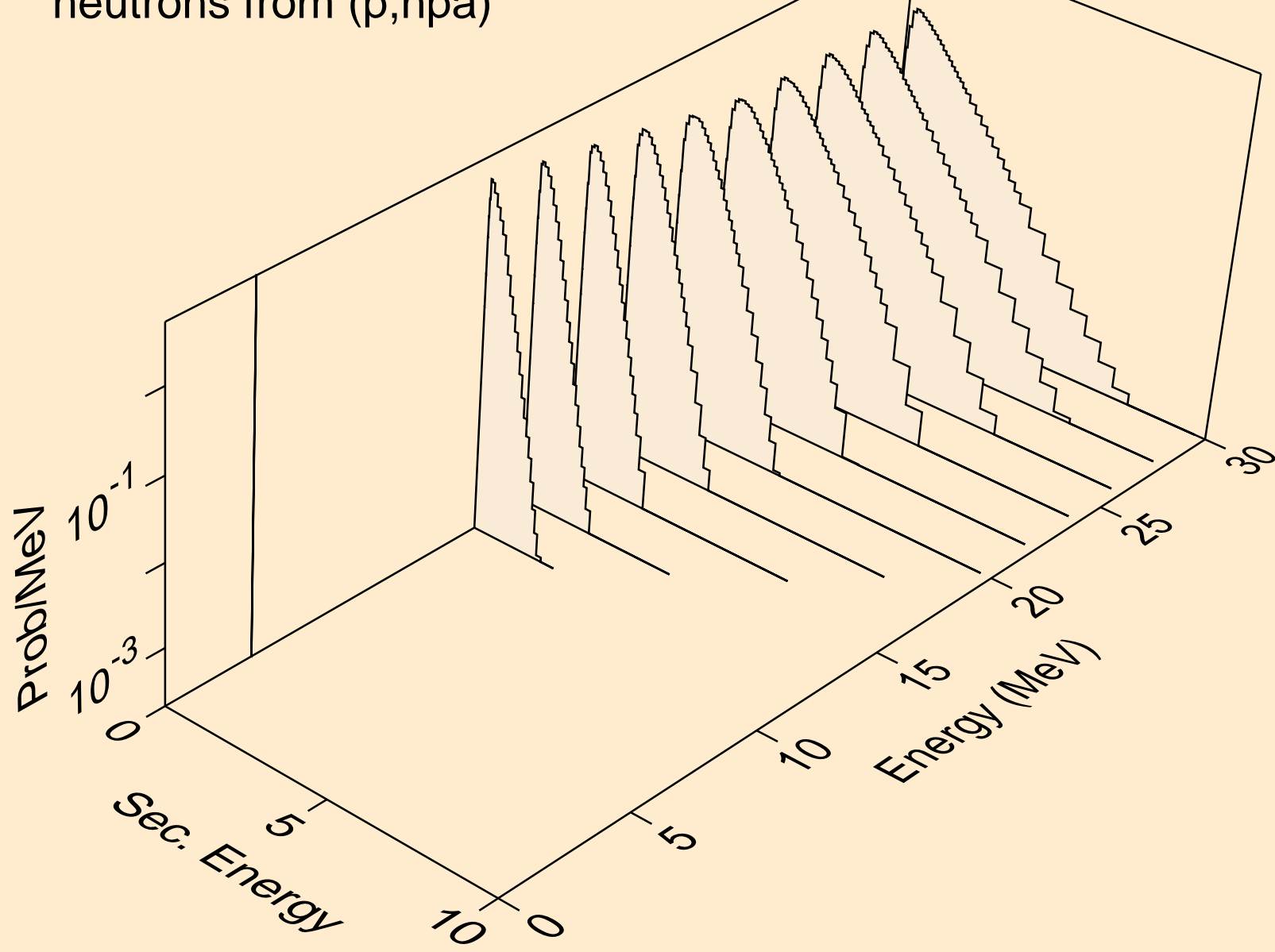
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2np)



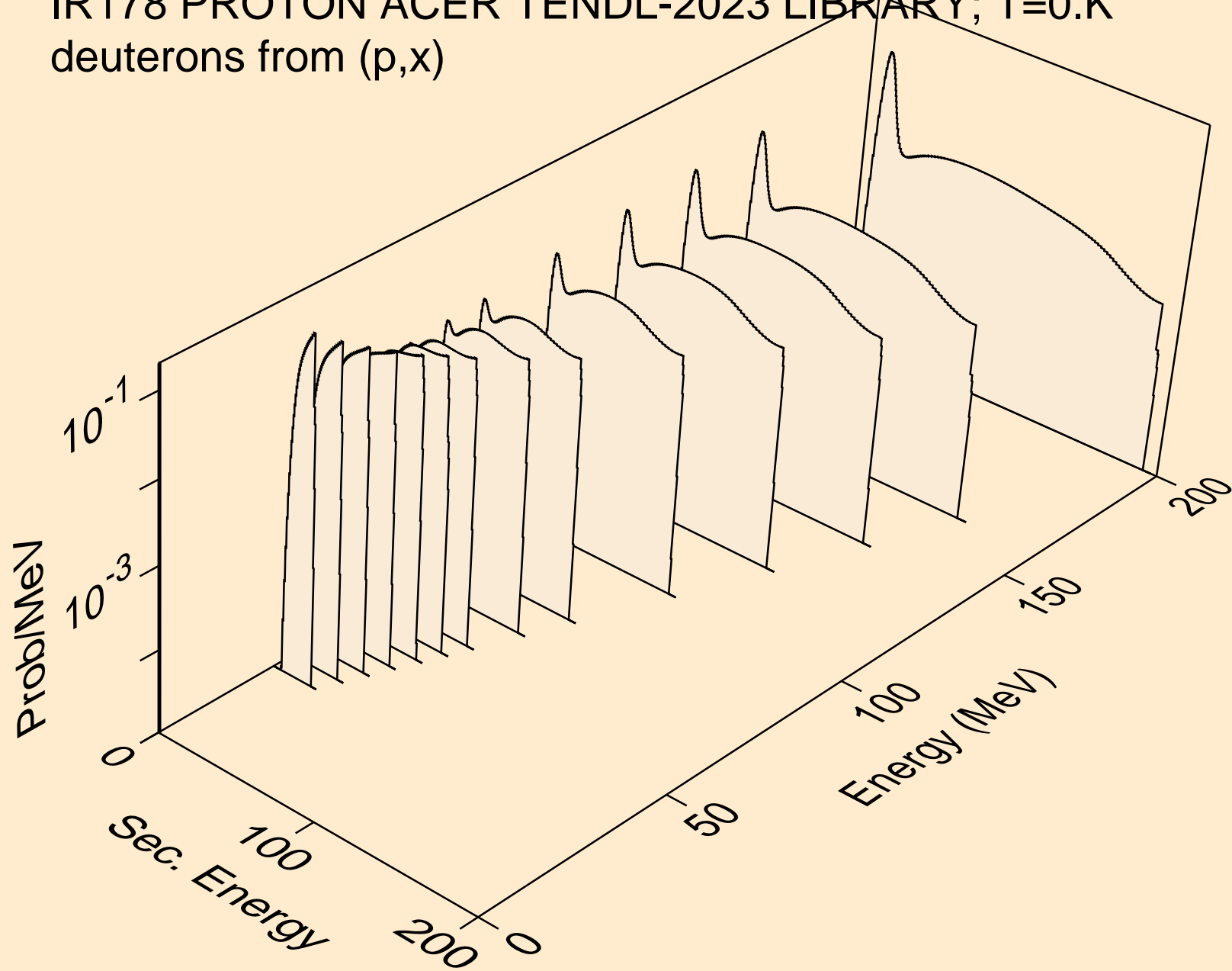
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n2p)



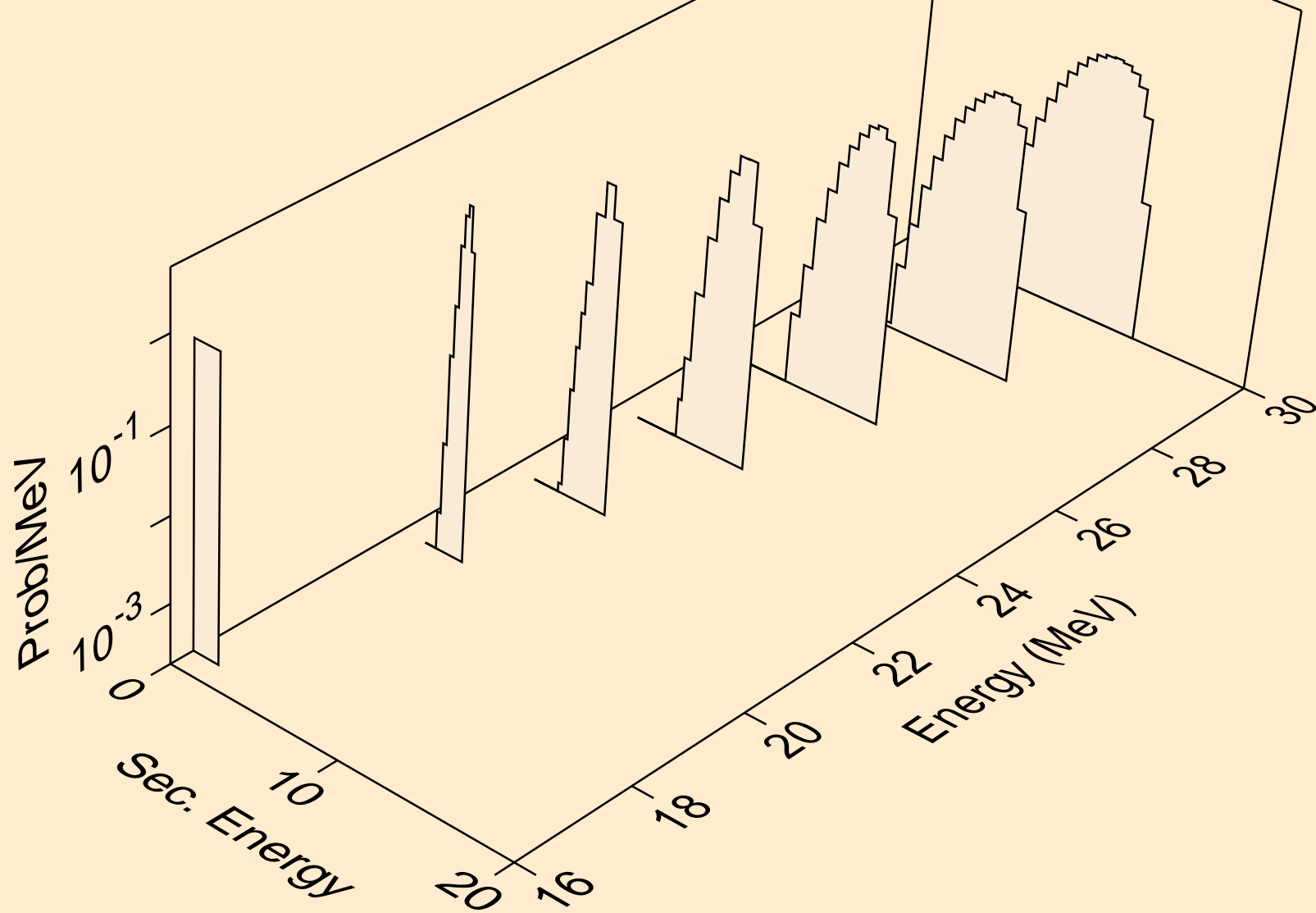
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,npa)



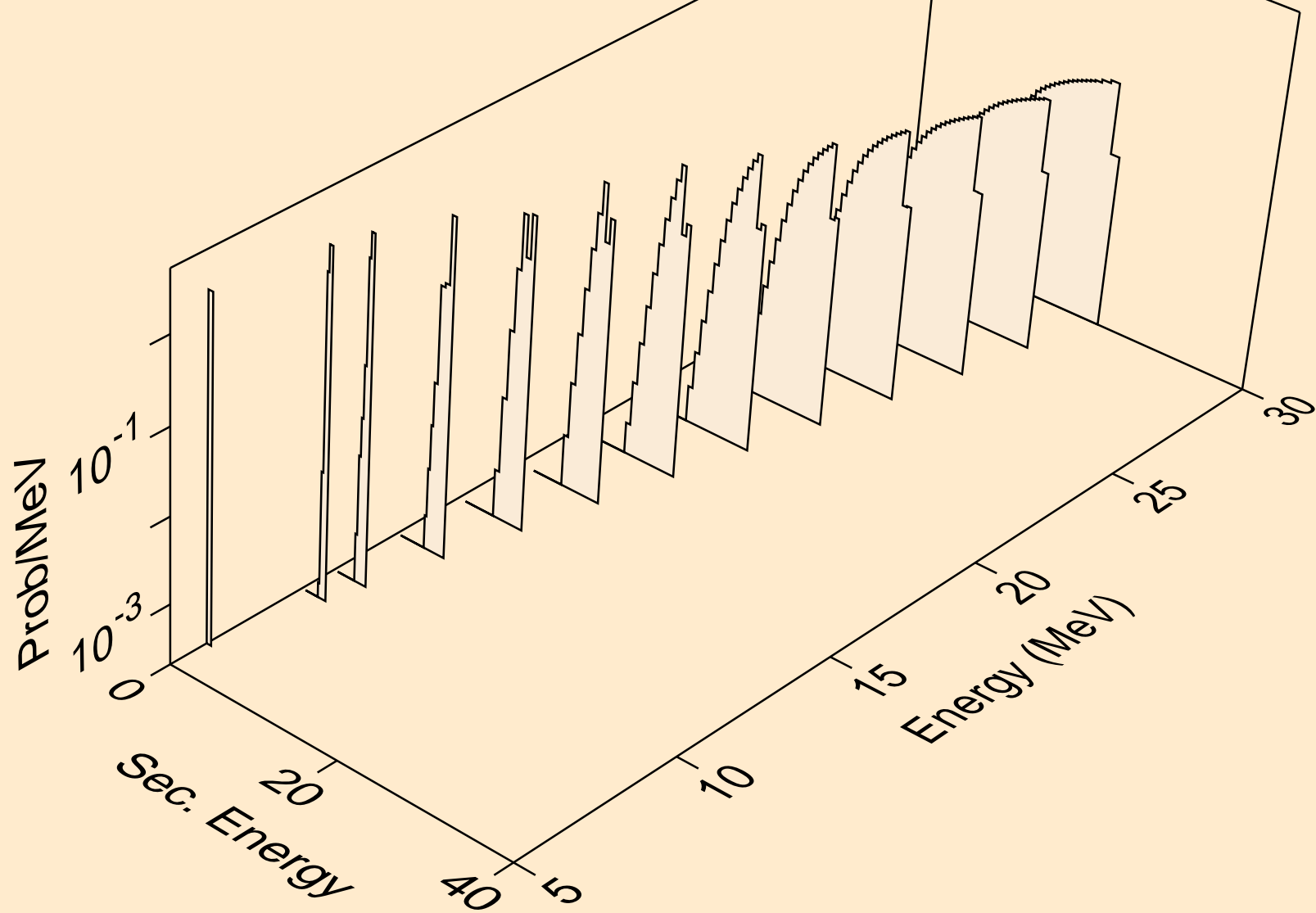
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,x)



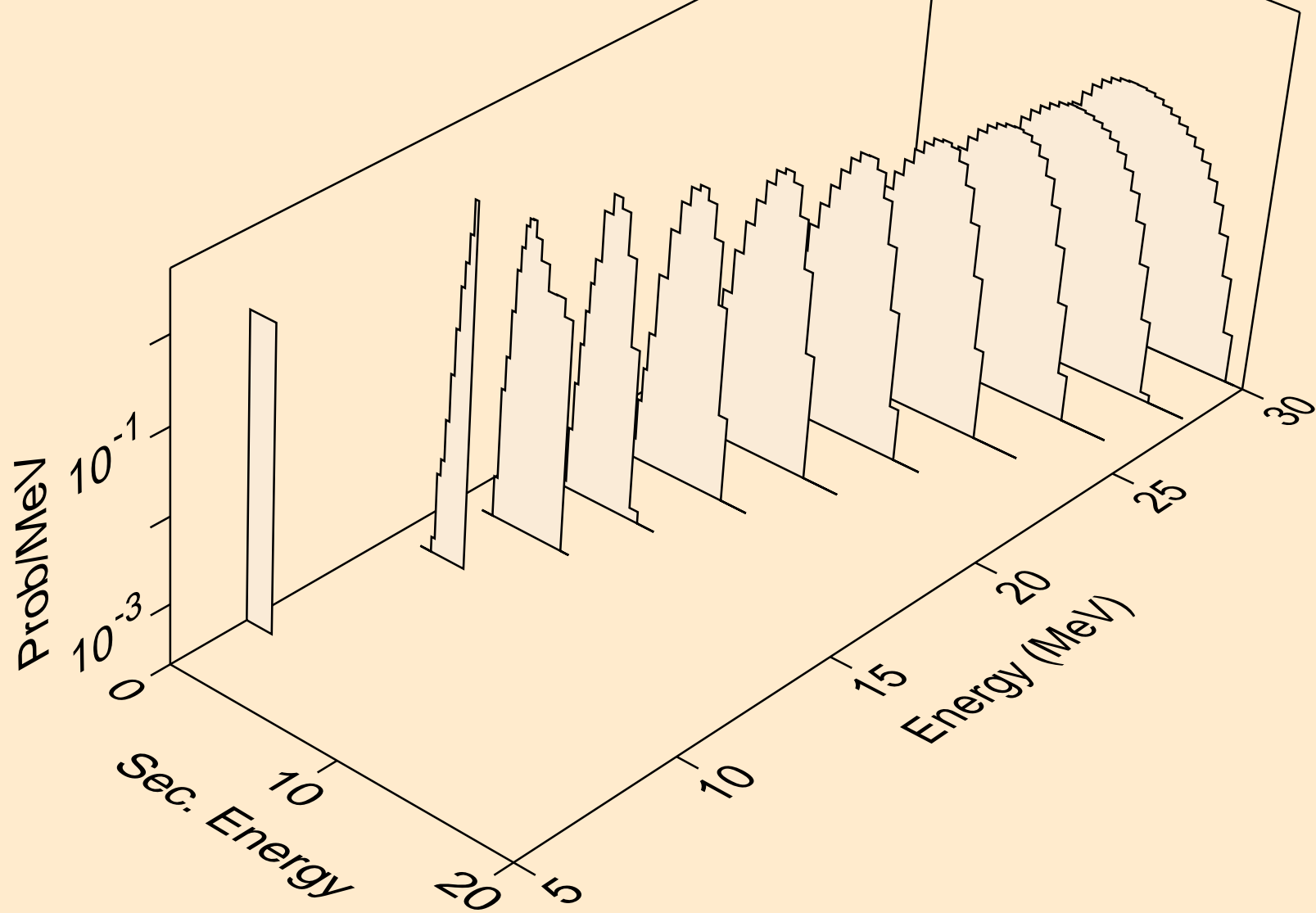
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,n\*)d



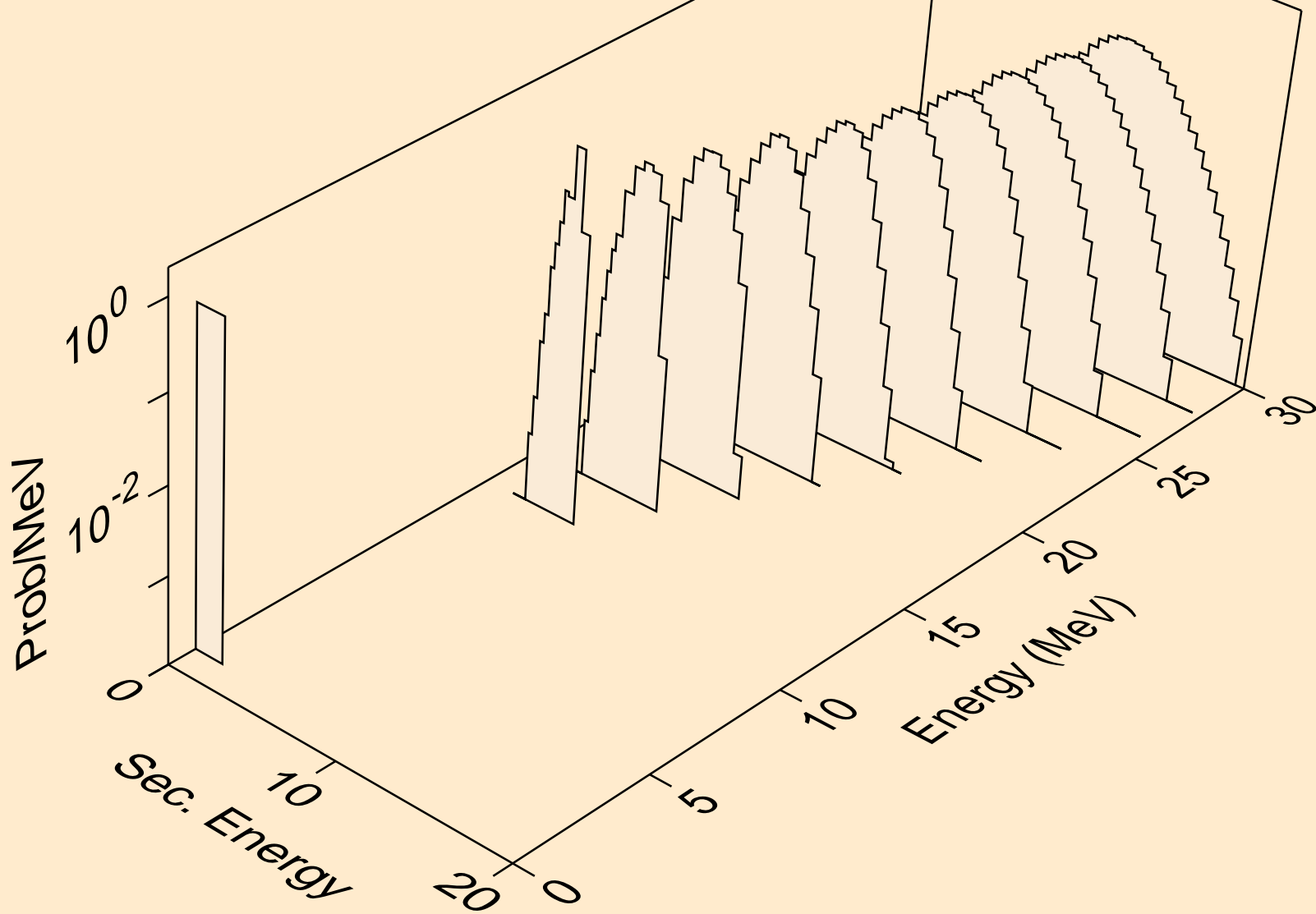
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,d)



IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,pd)

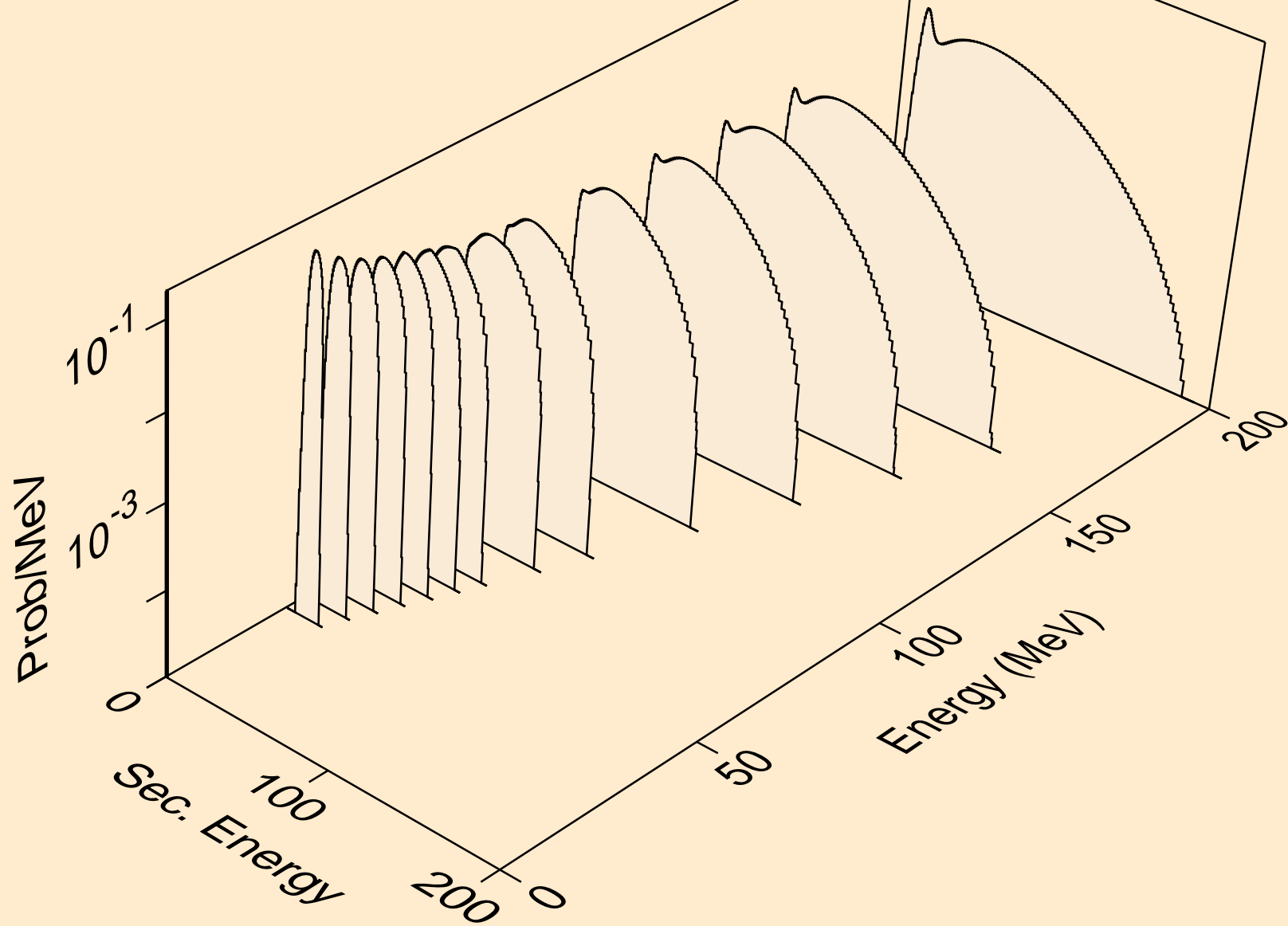


IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,da)

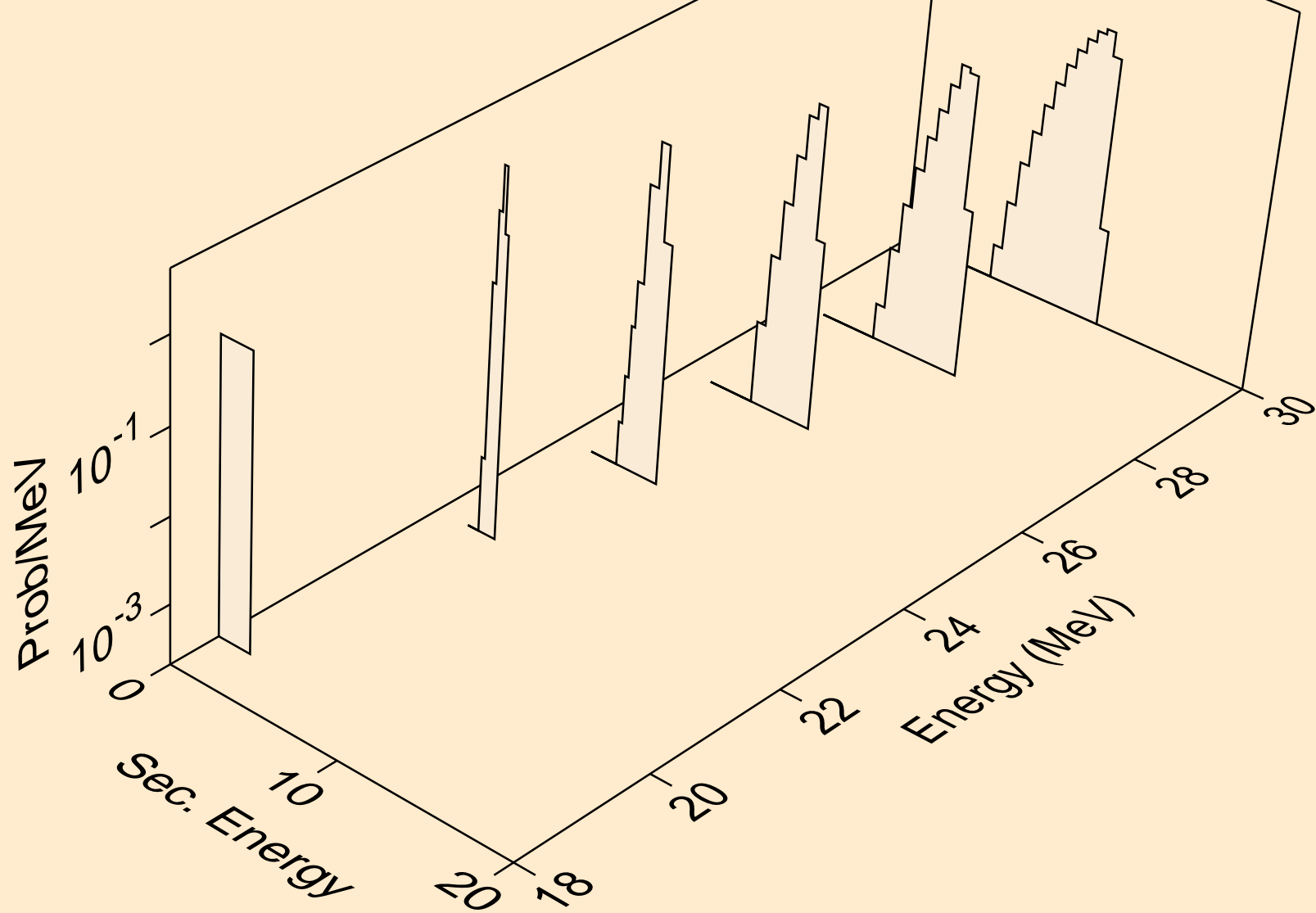




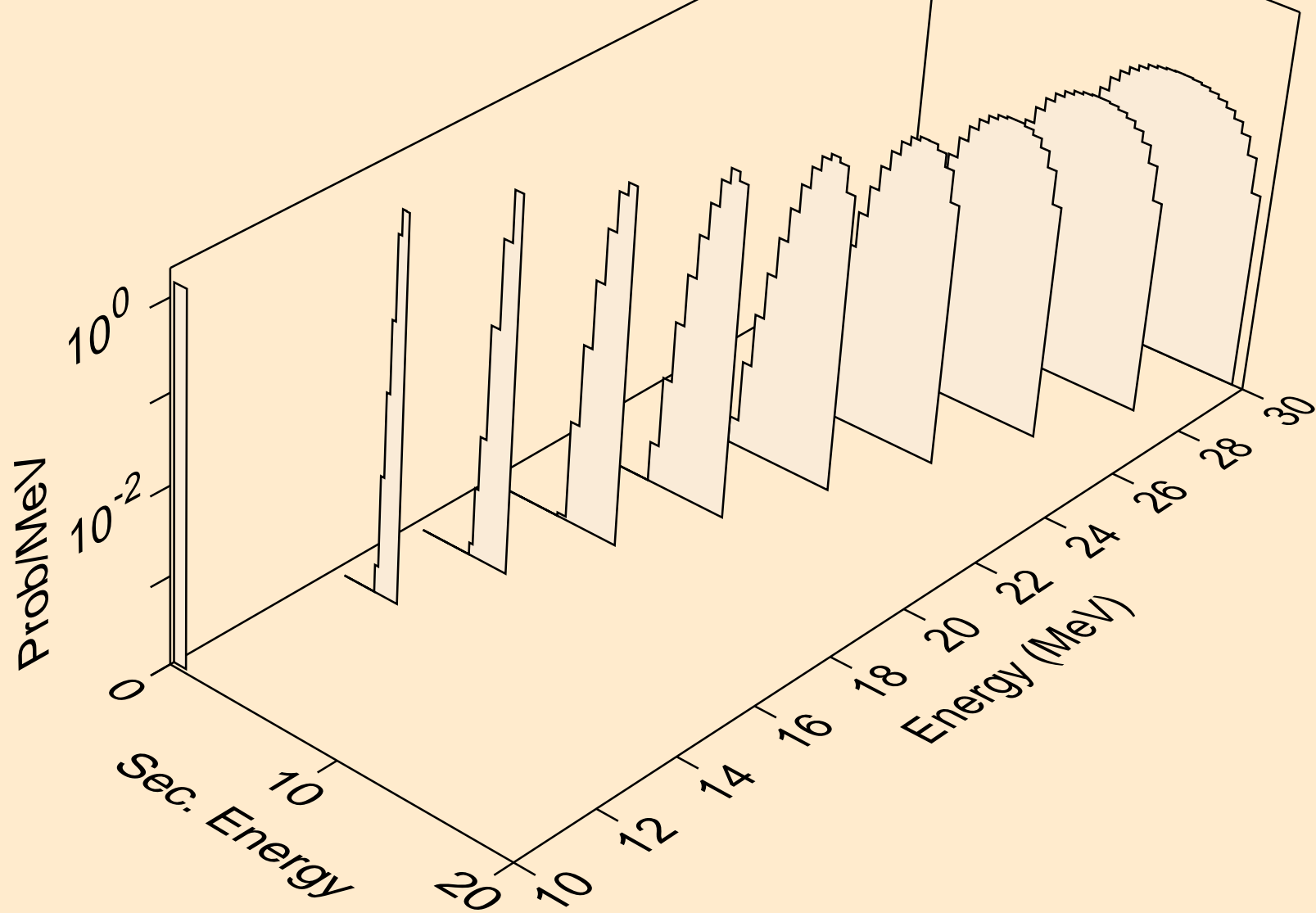
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)



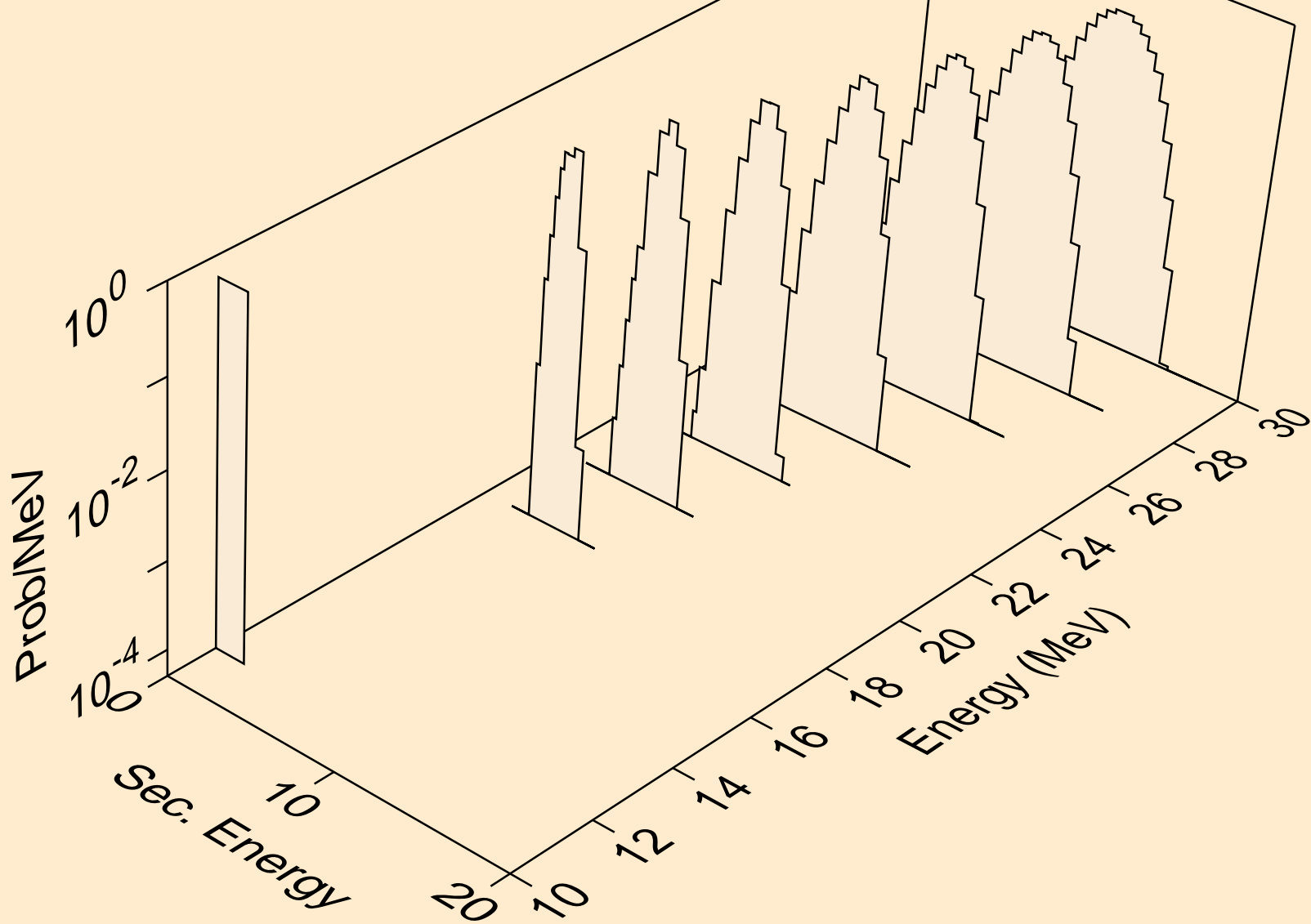
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,n\*)t



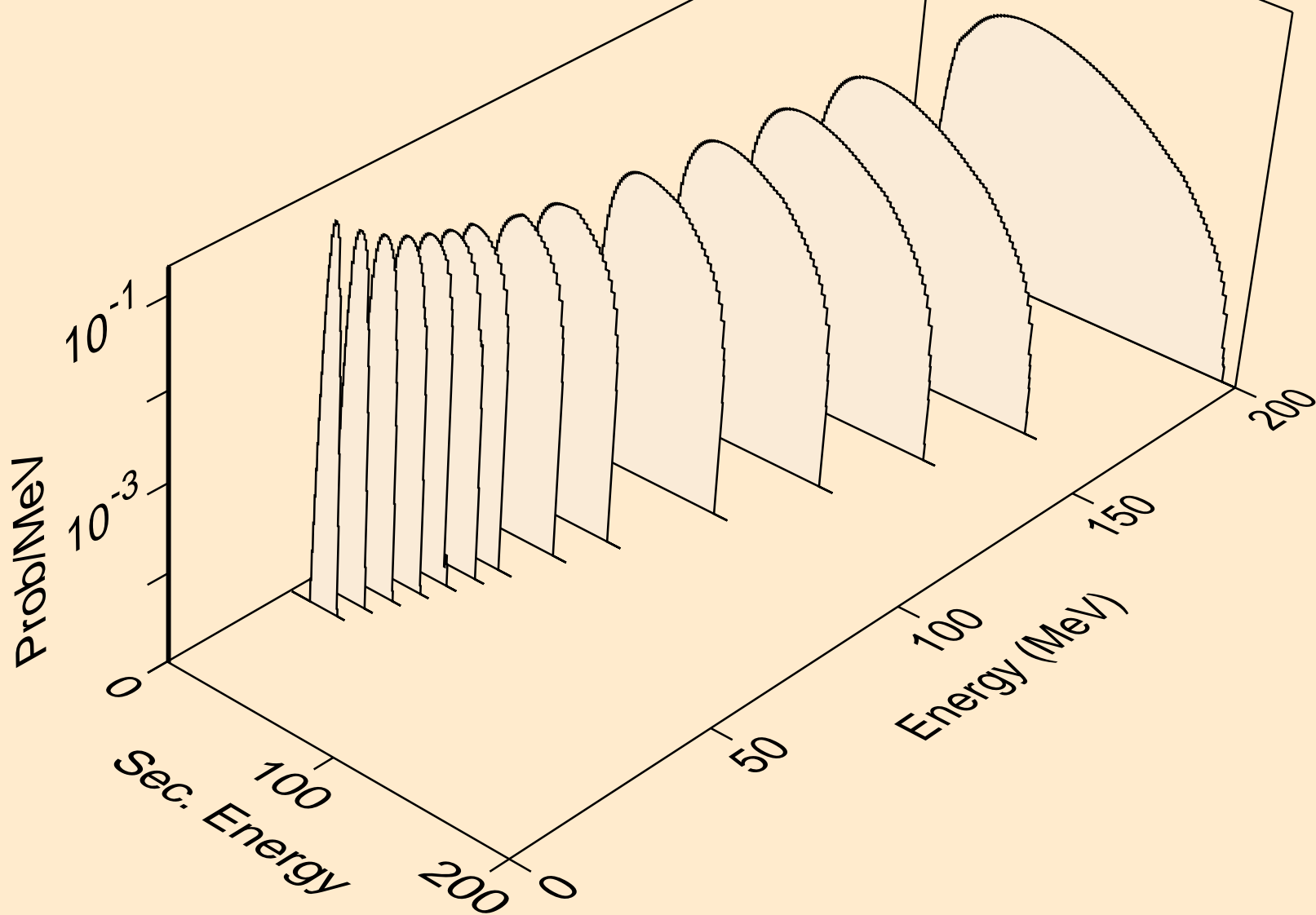
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,t)



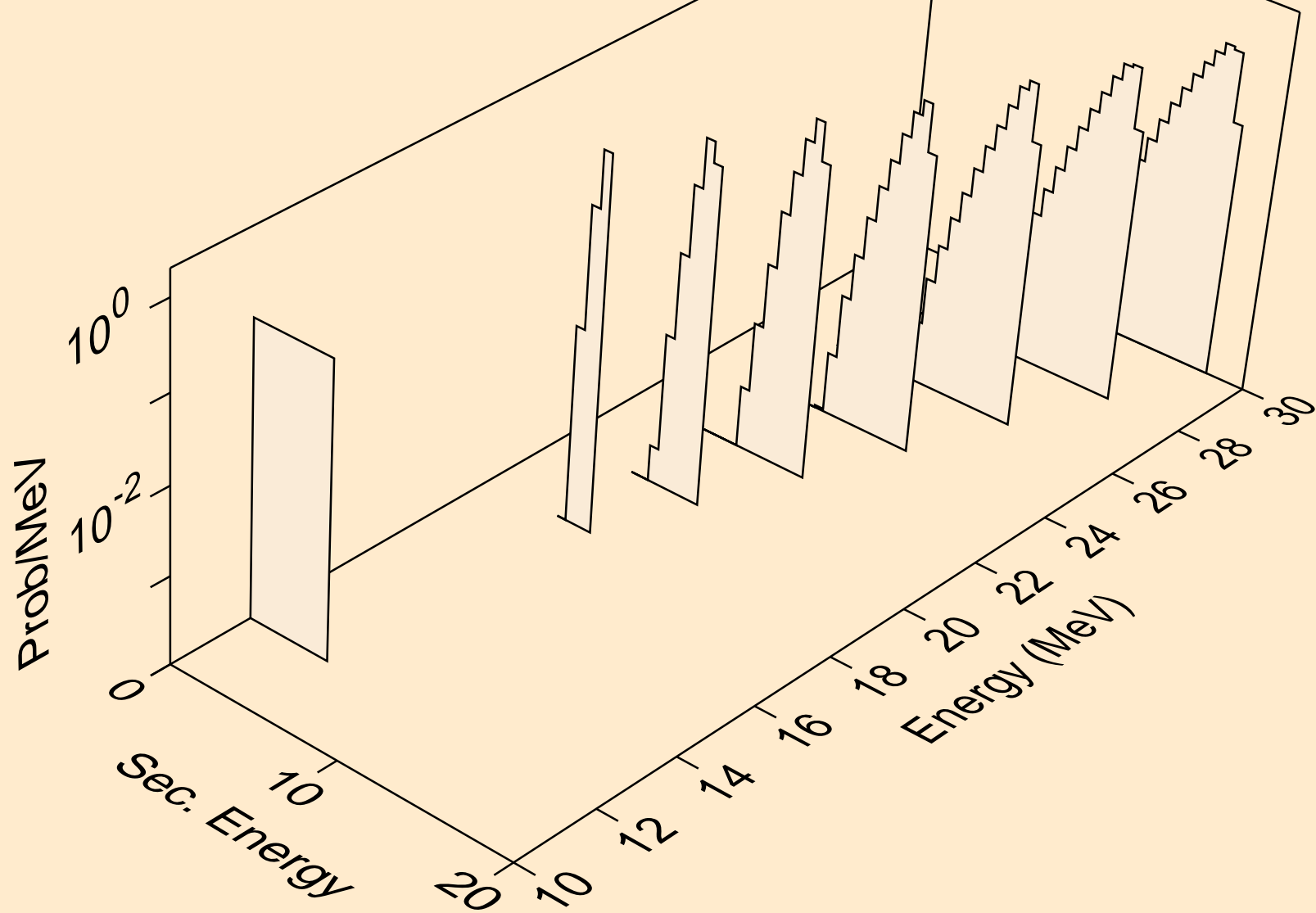
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,pt)



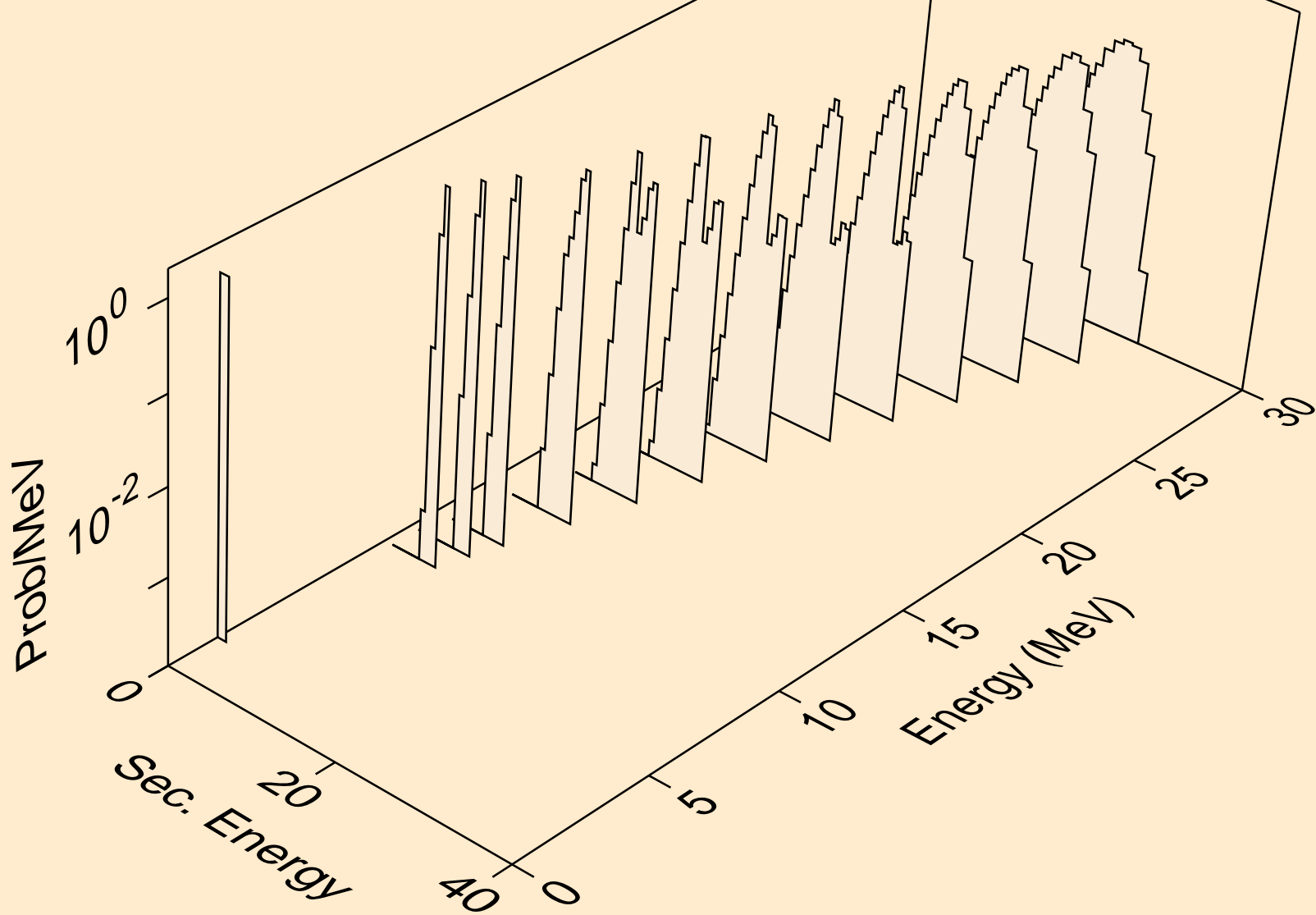
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)



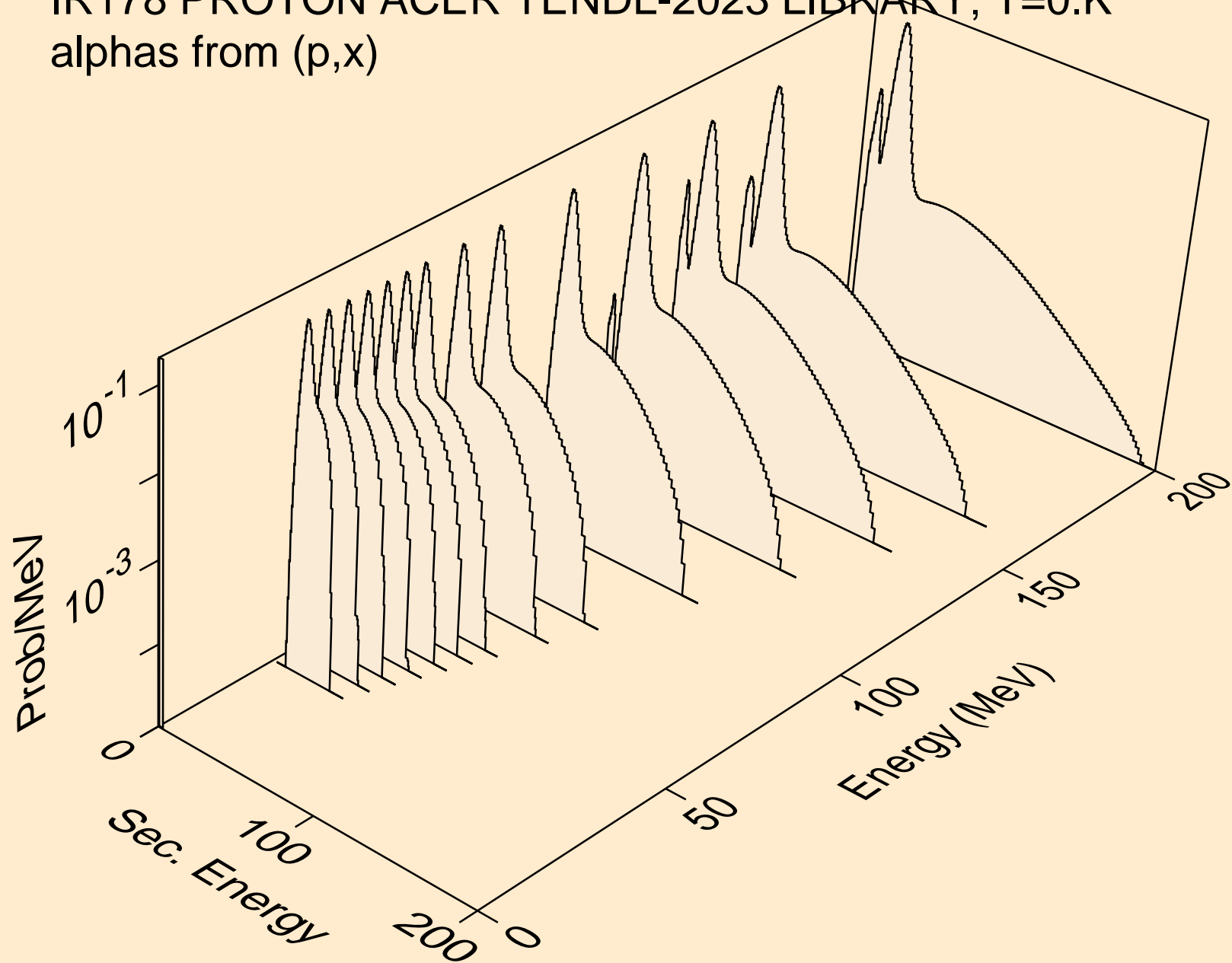
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3



IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,he3)

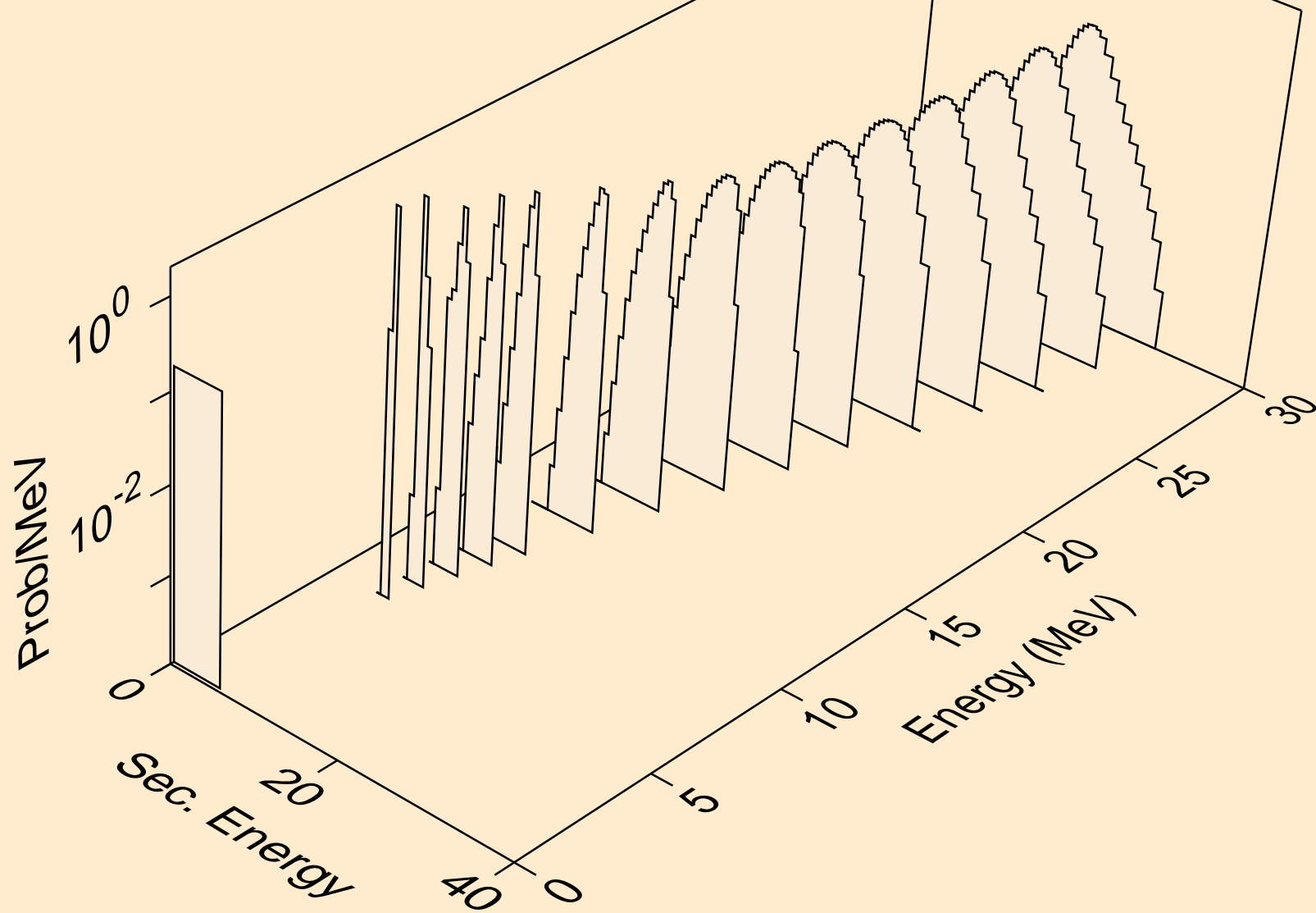


IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)

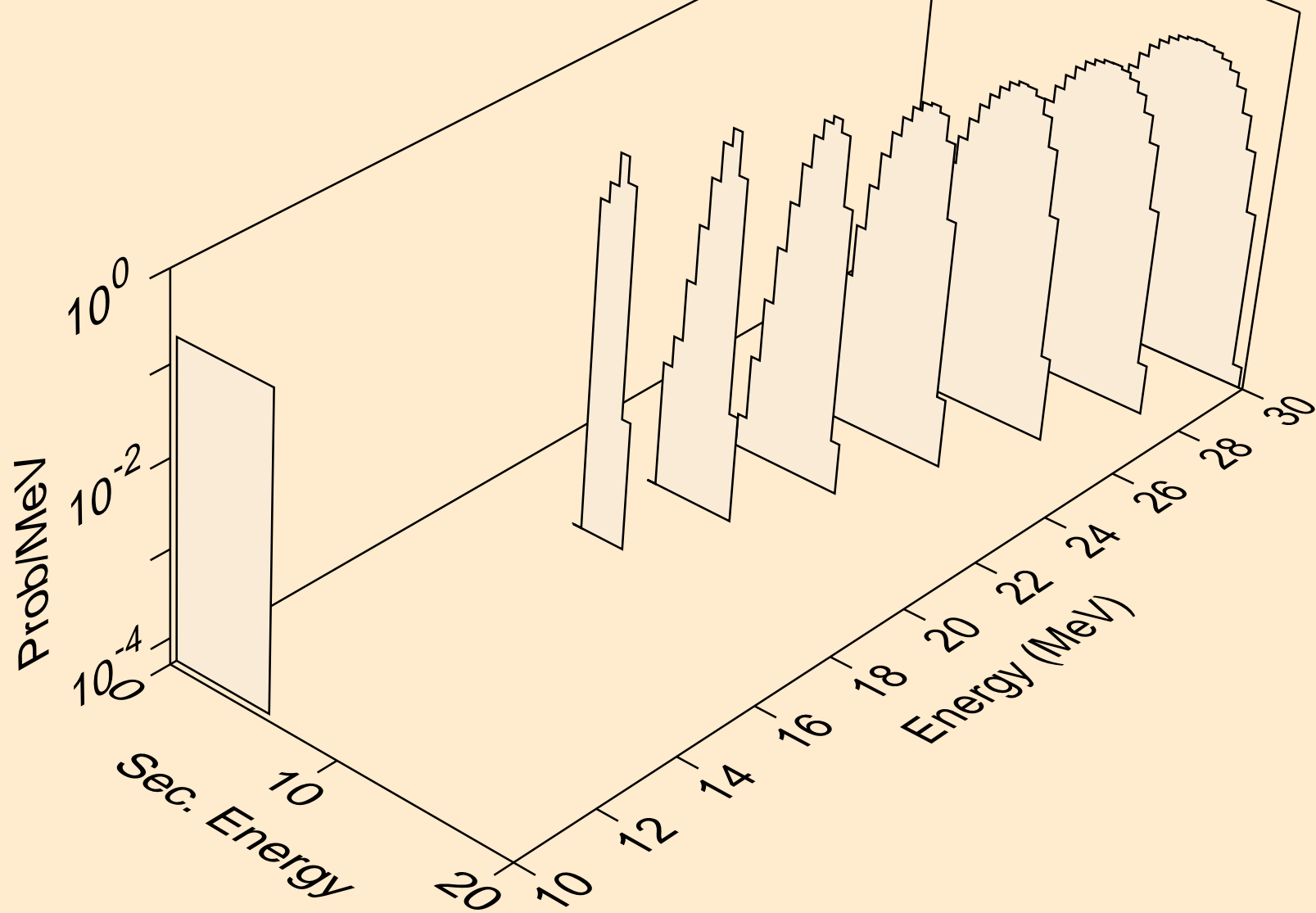




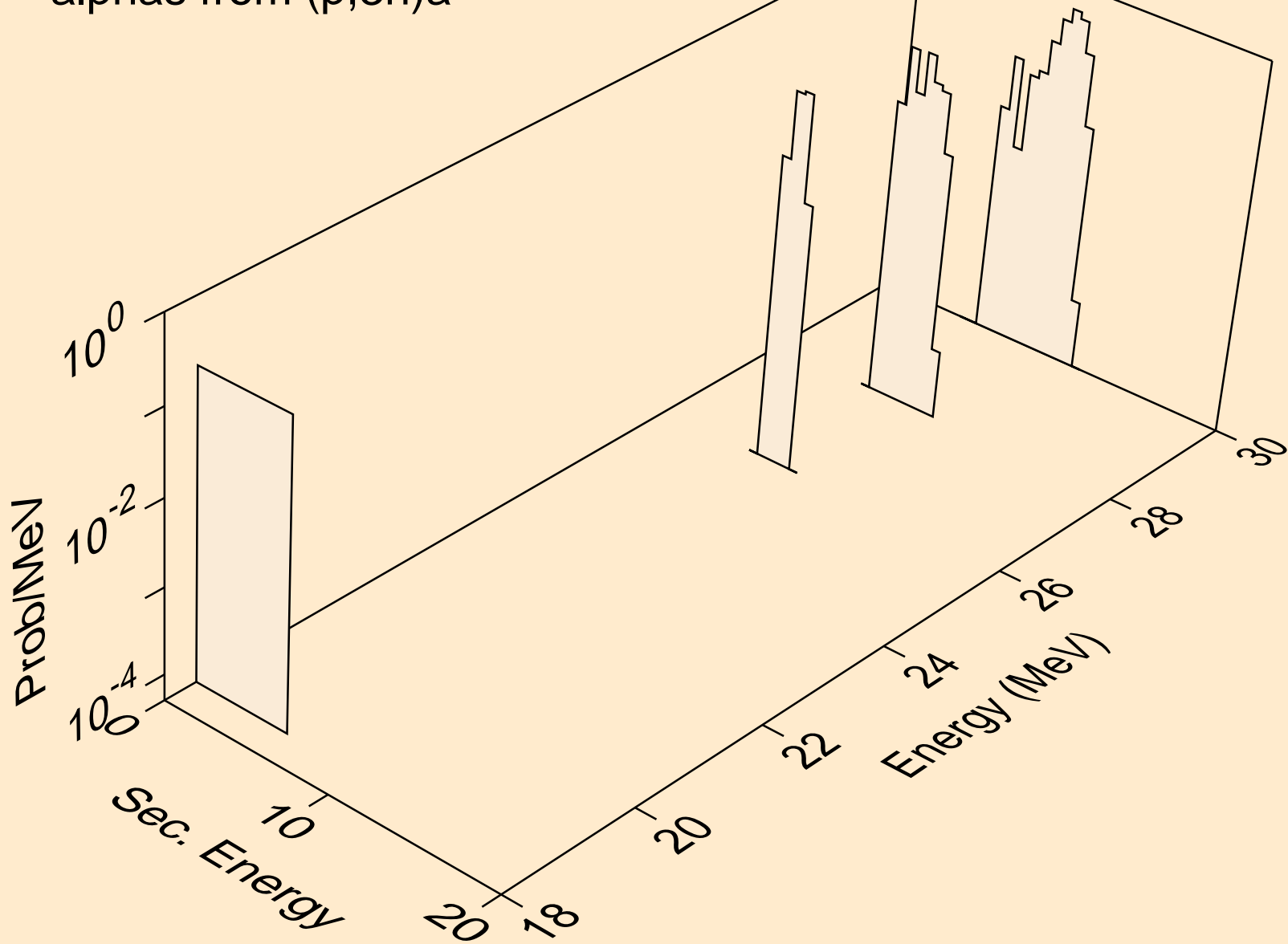
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a



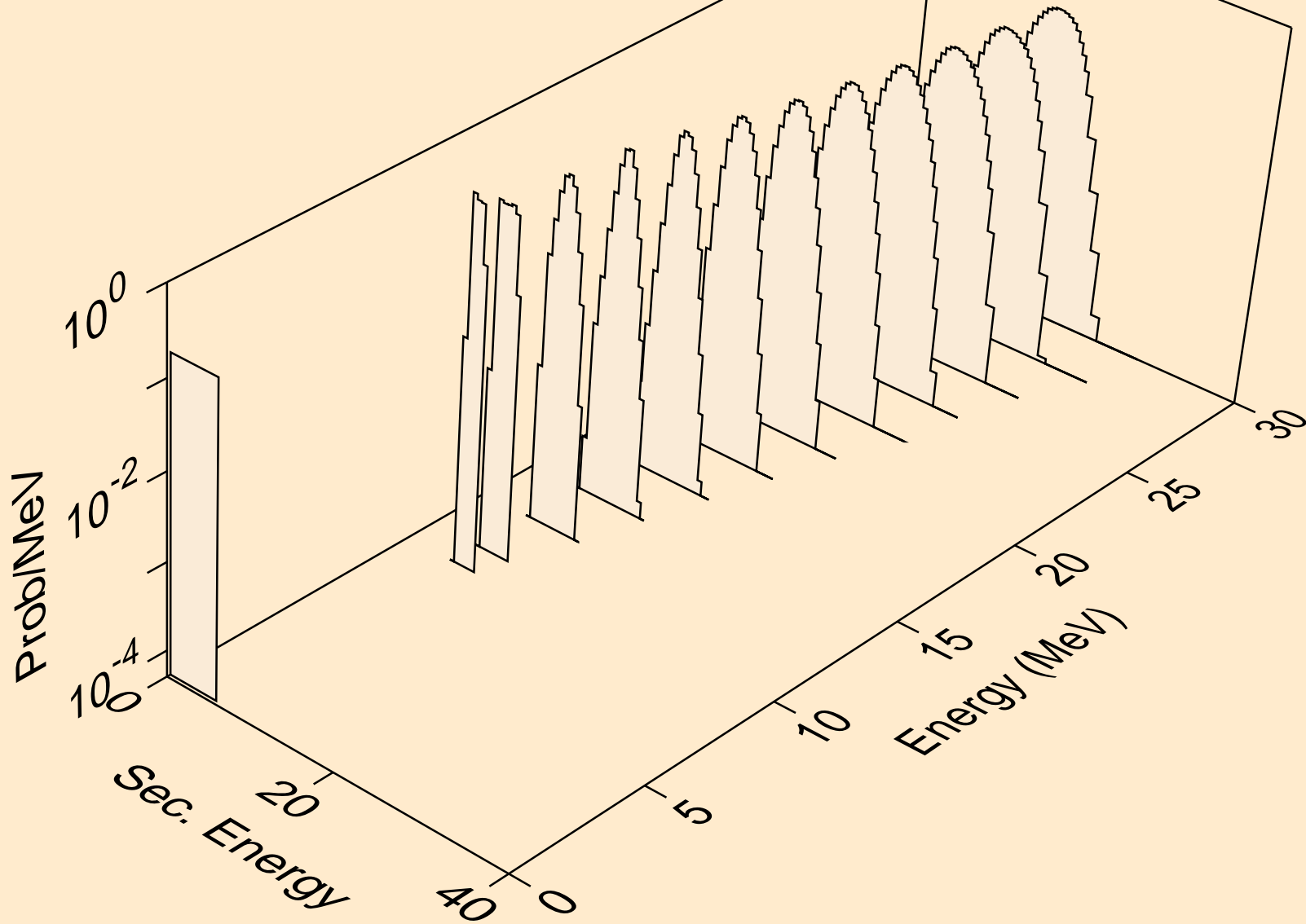
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)a



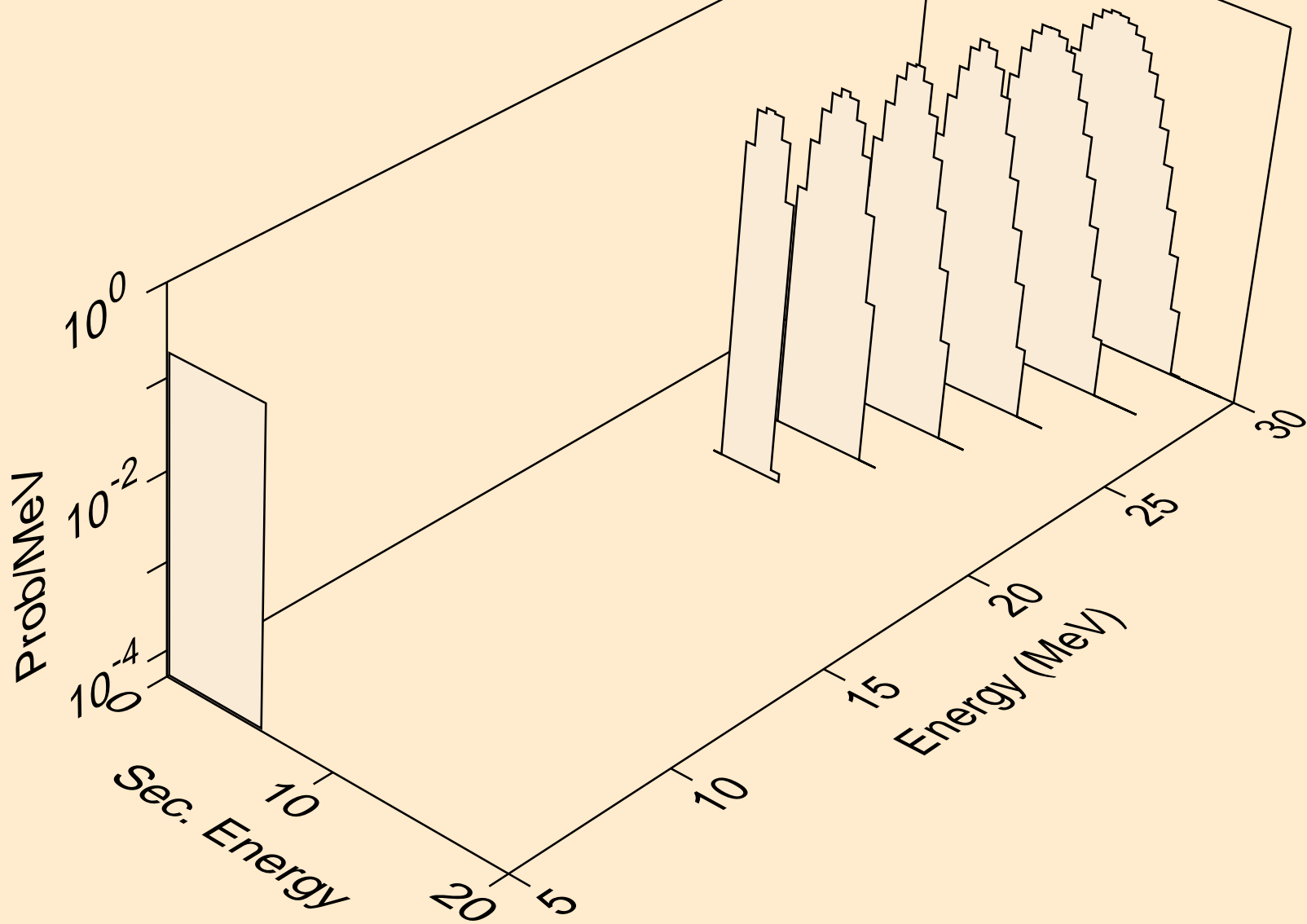
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3n)a



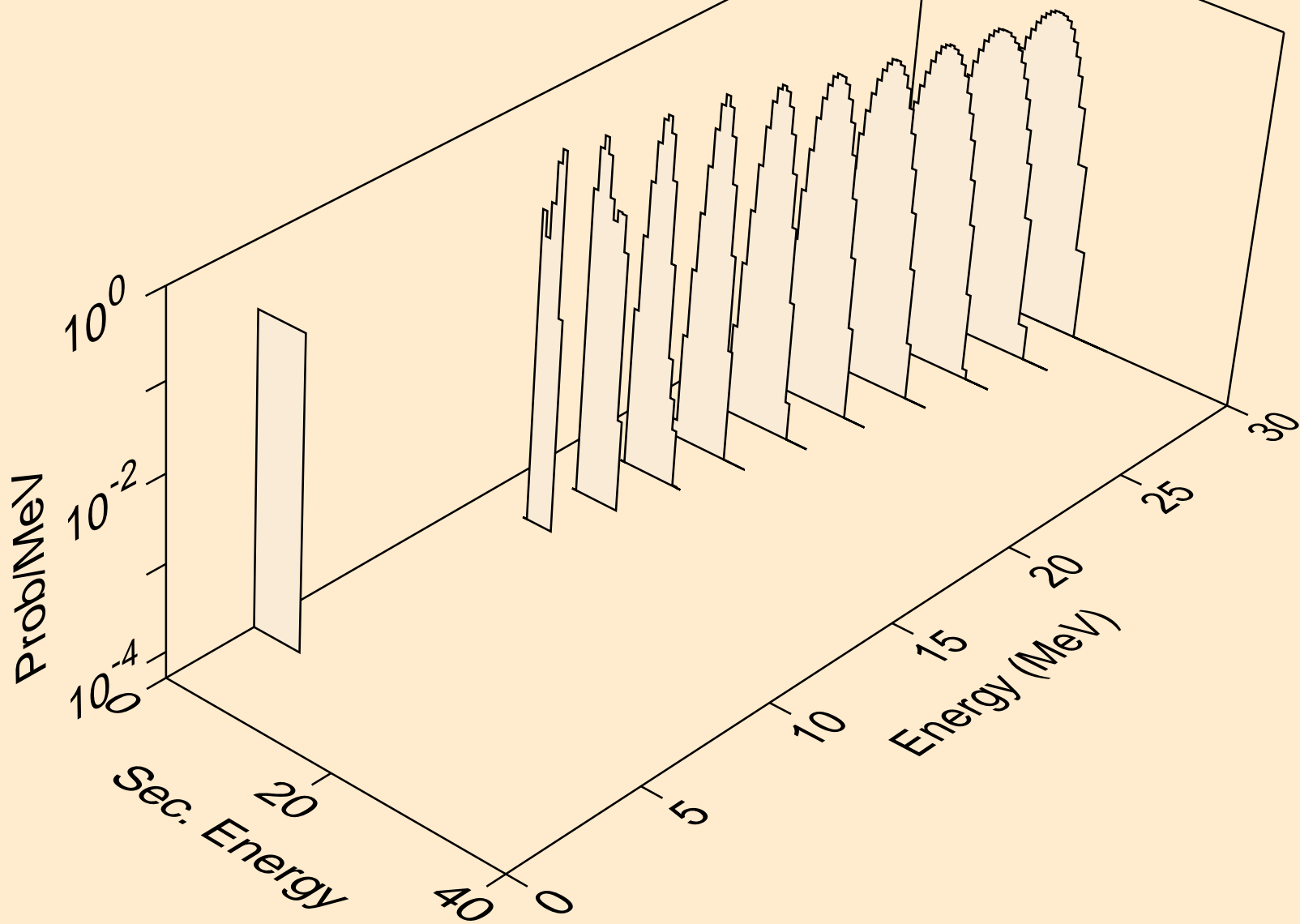
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)2a



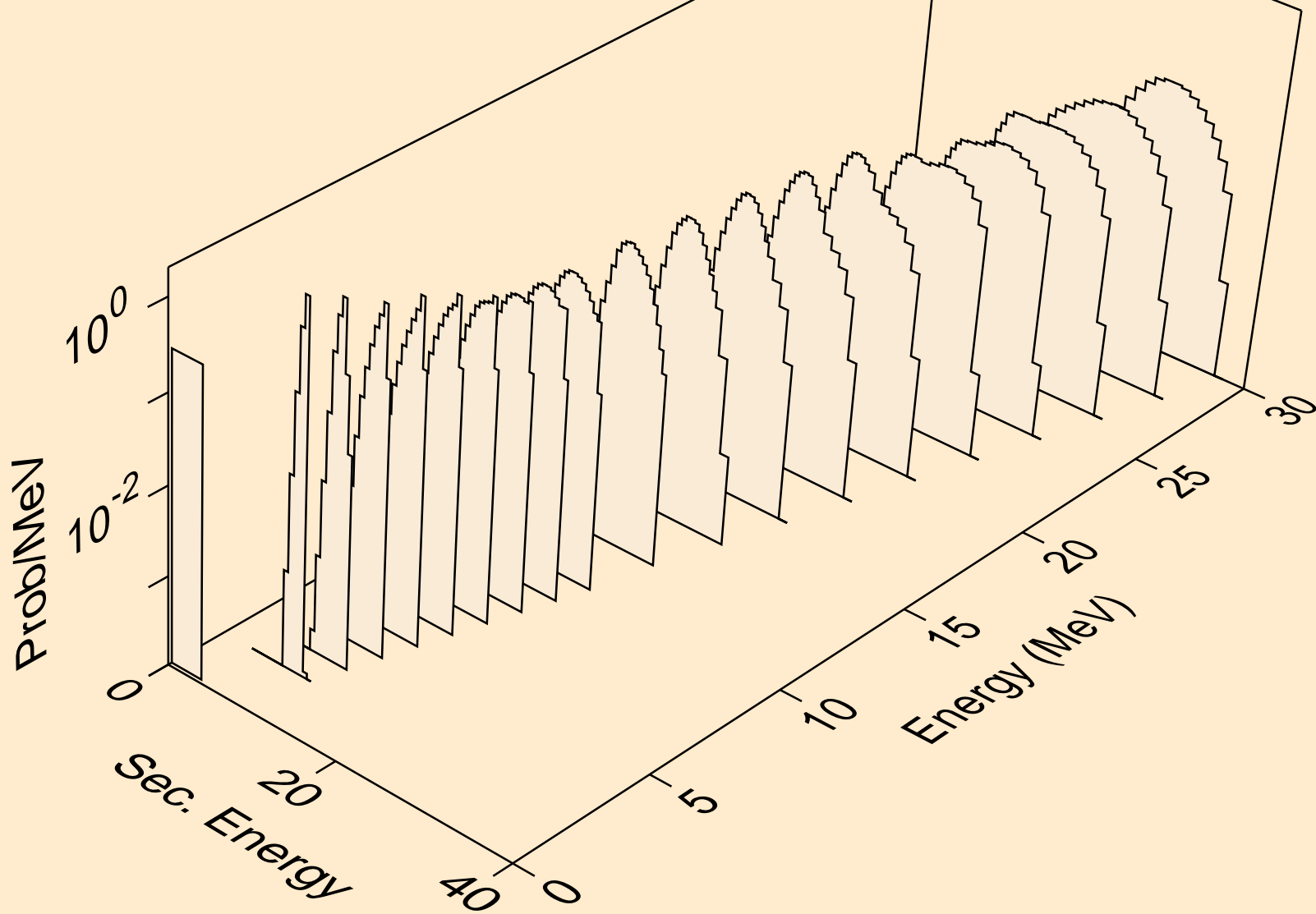
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)2a



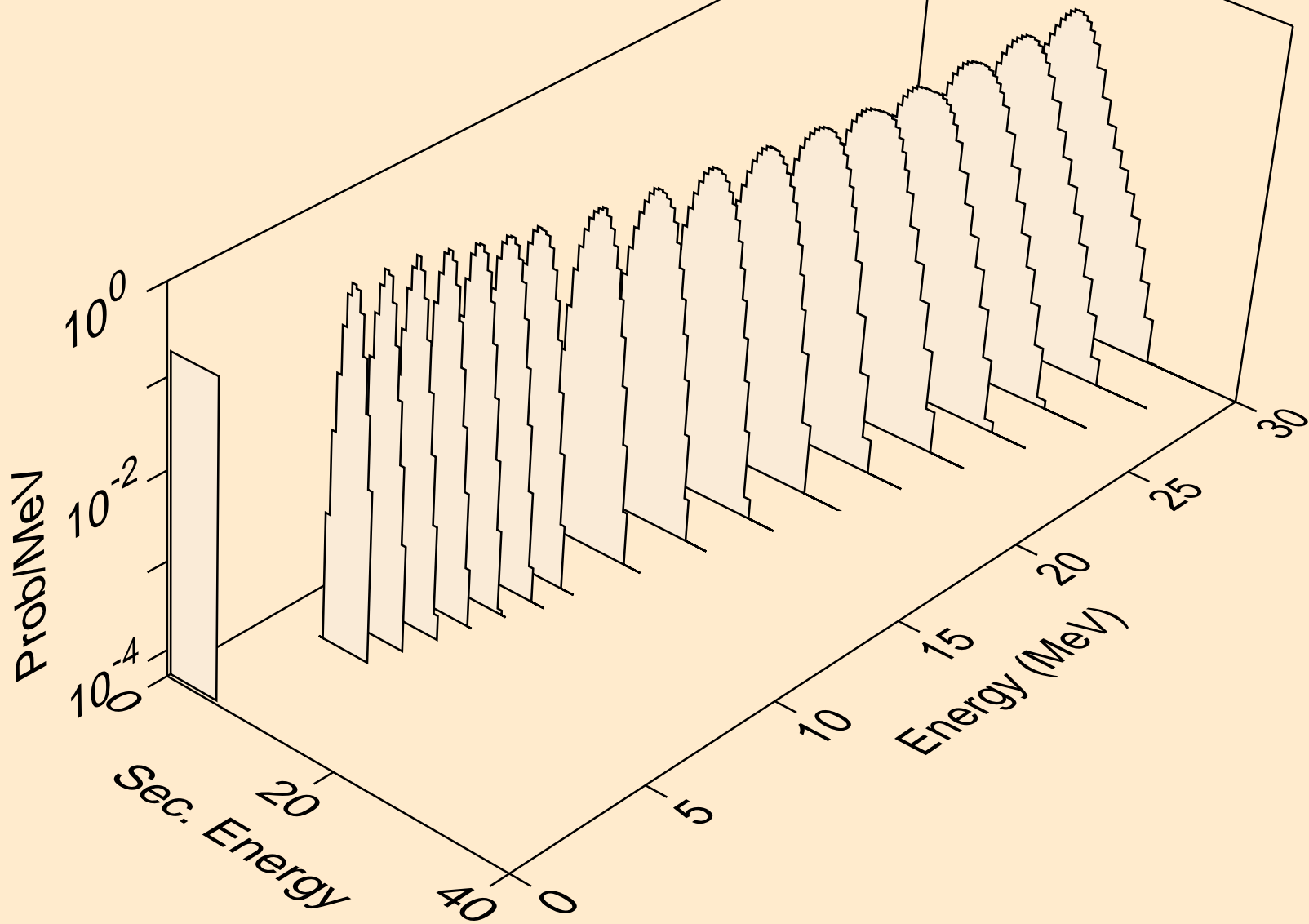
IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,npa)



IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)

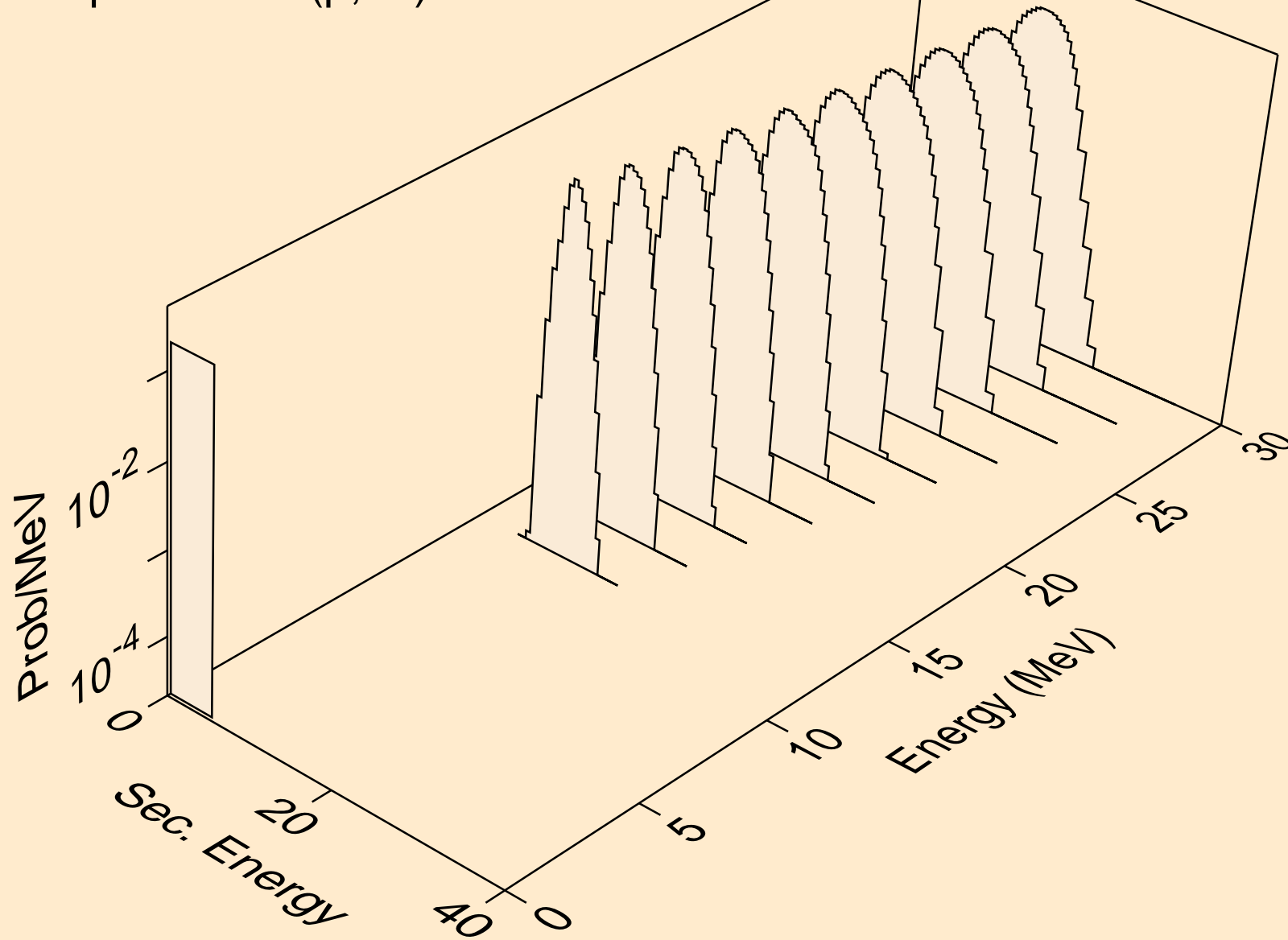


IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2a)

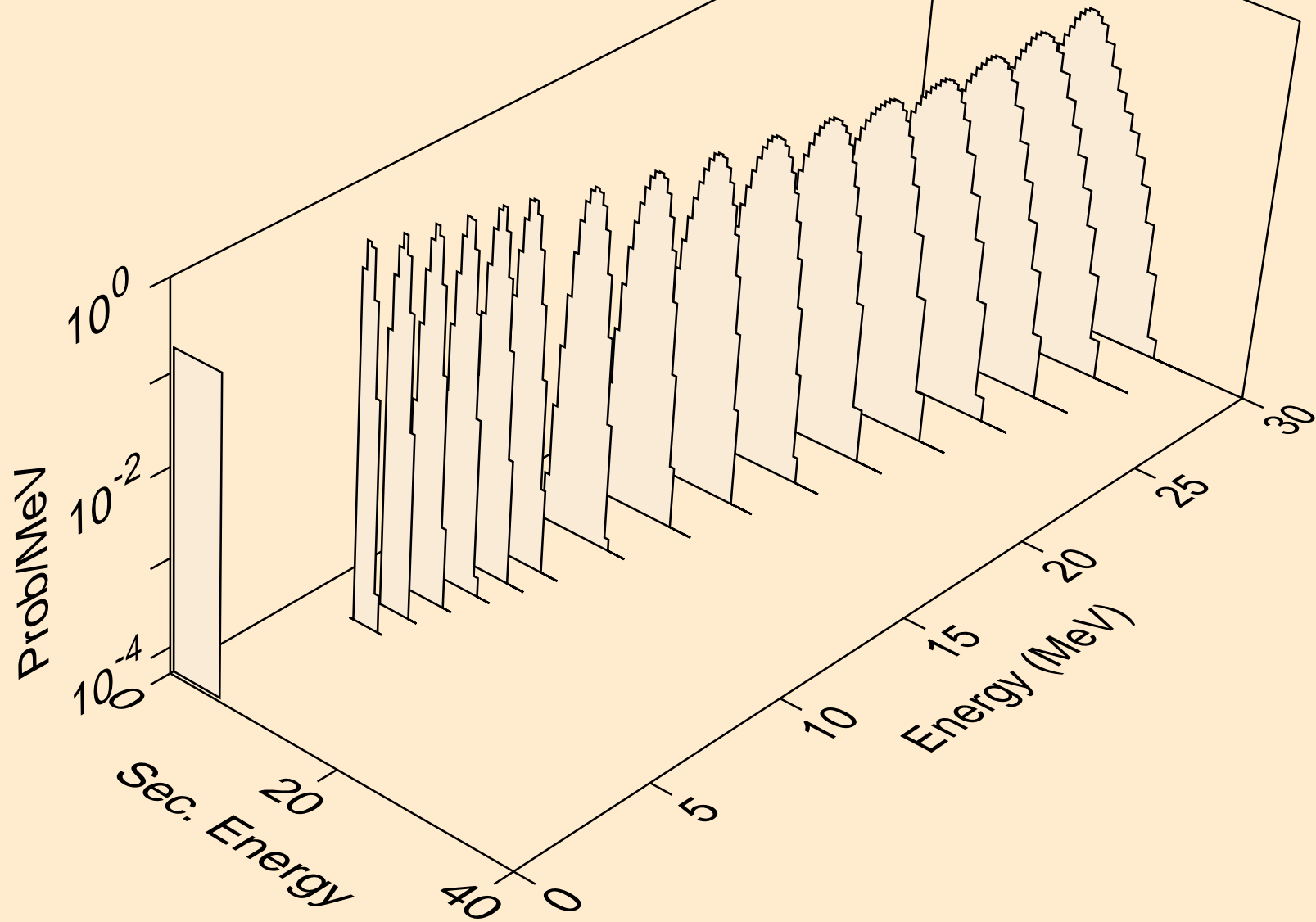




IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3a)



IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)



IR178 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,da)

