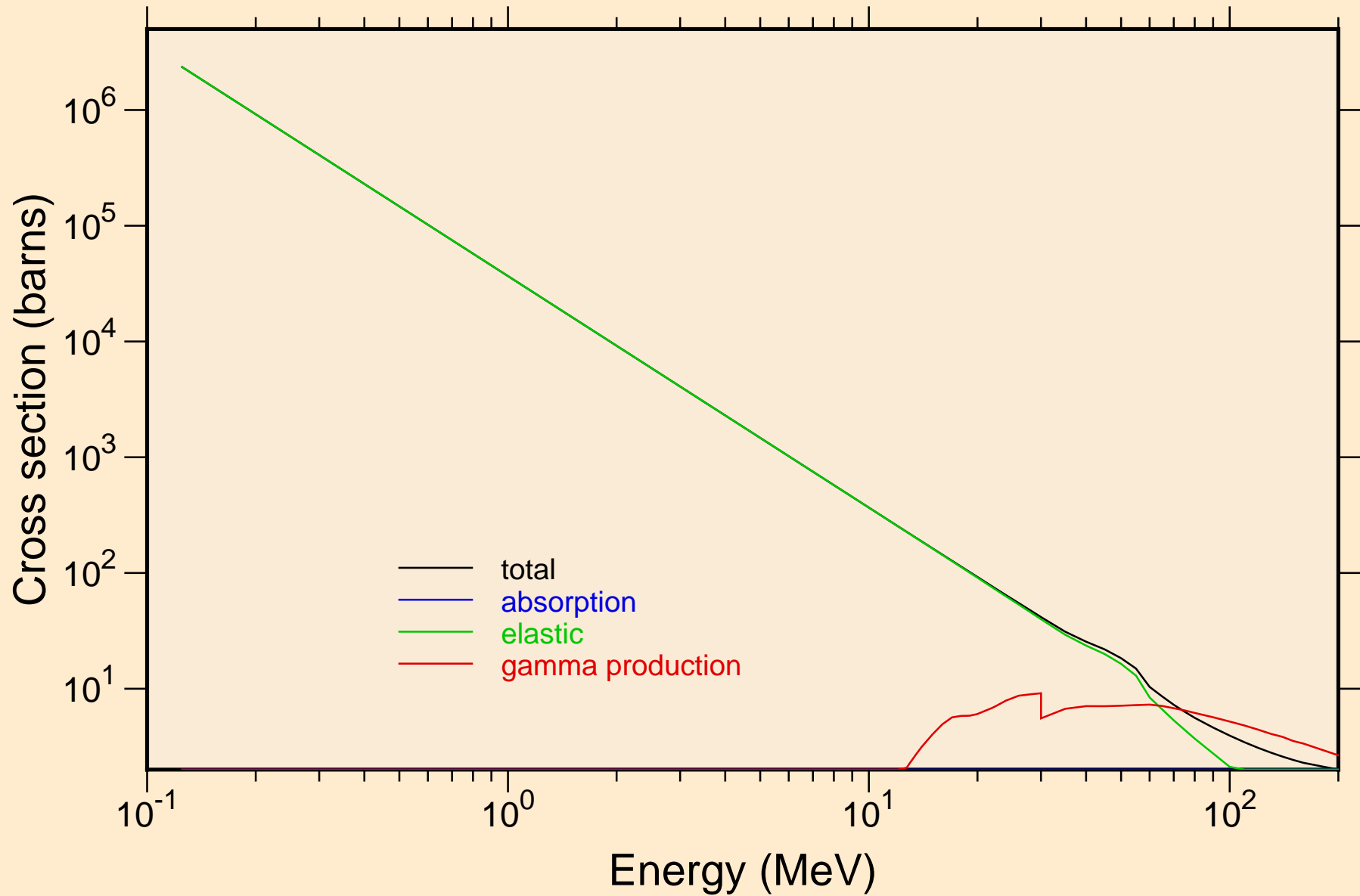


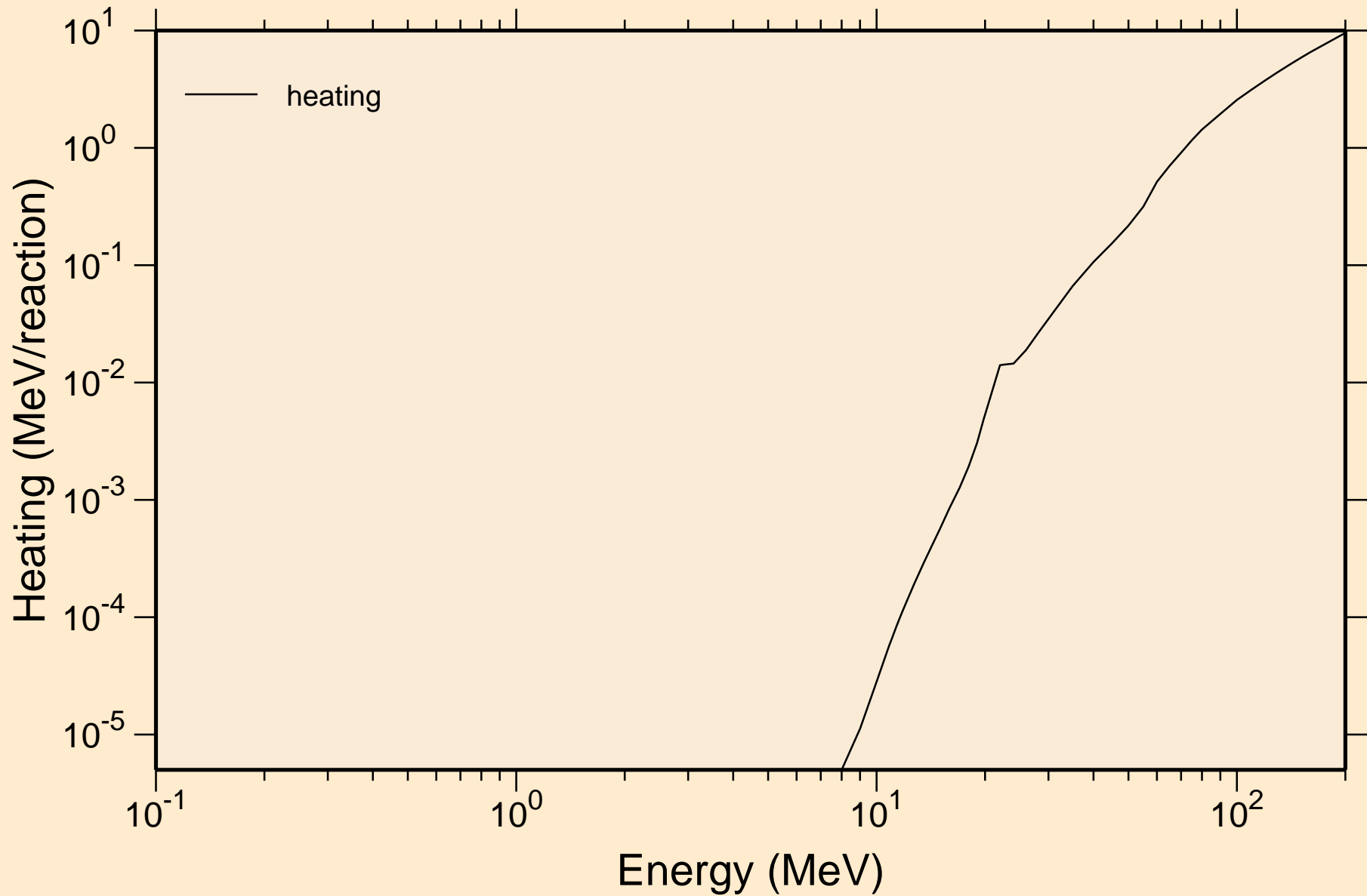
# IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



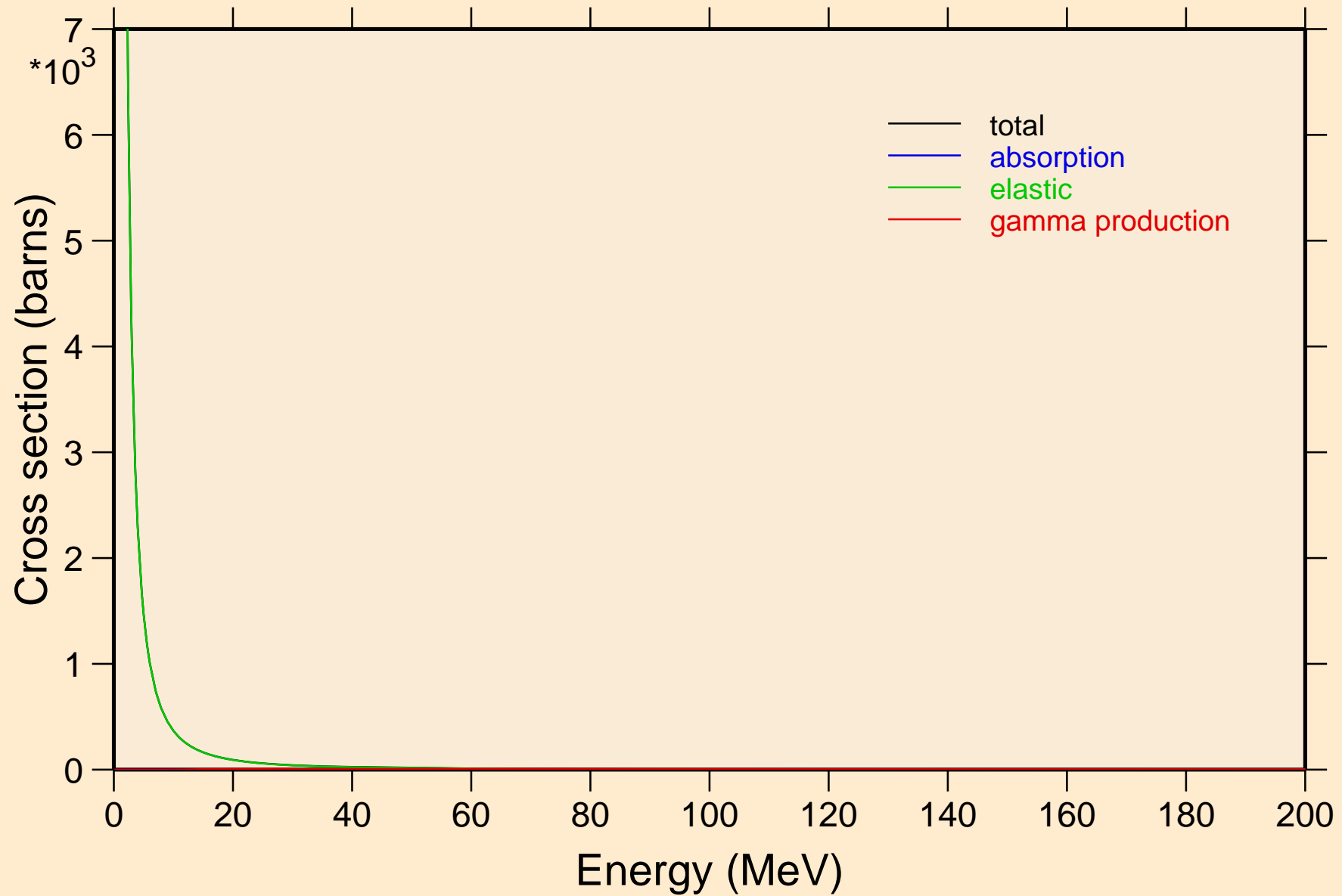
# IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



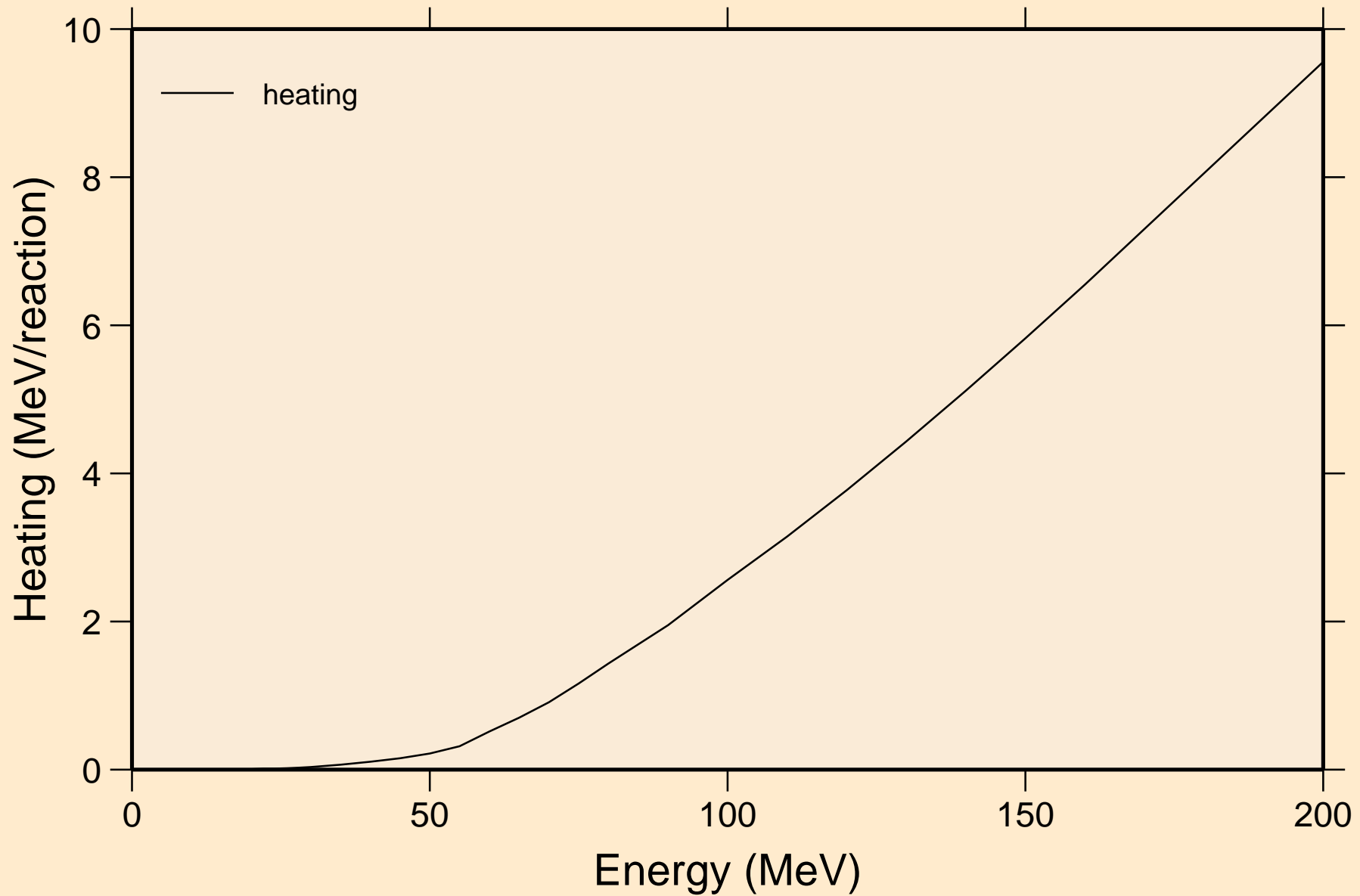
# IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



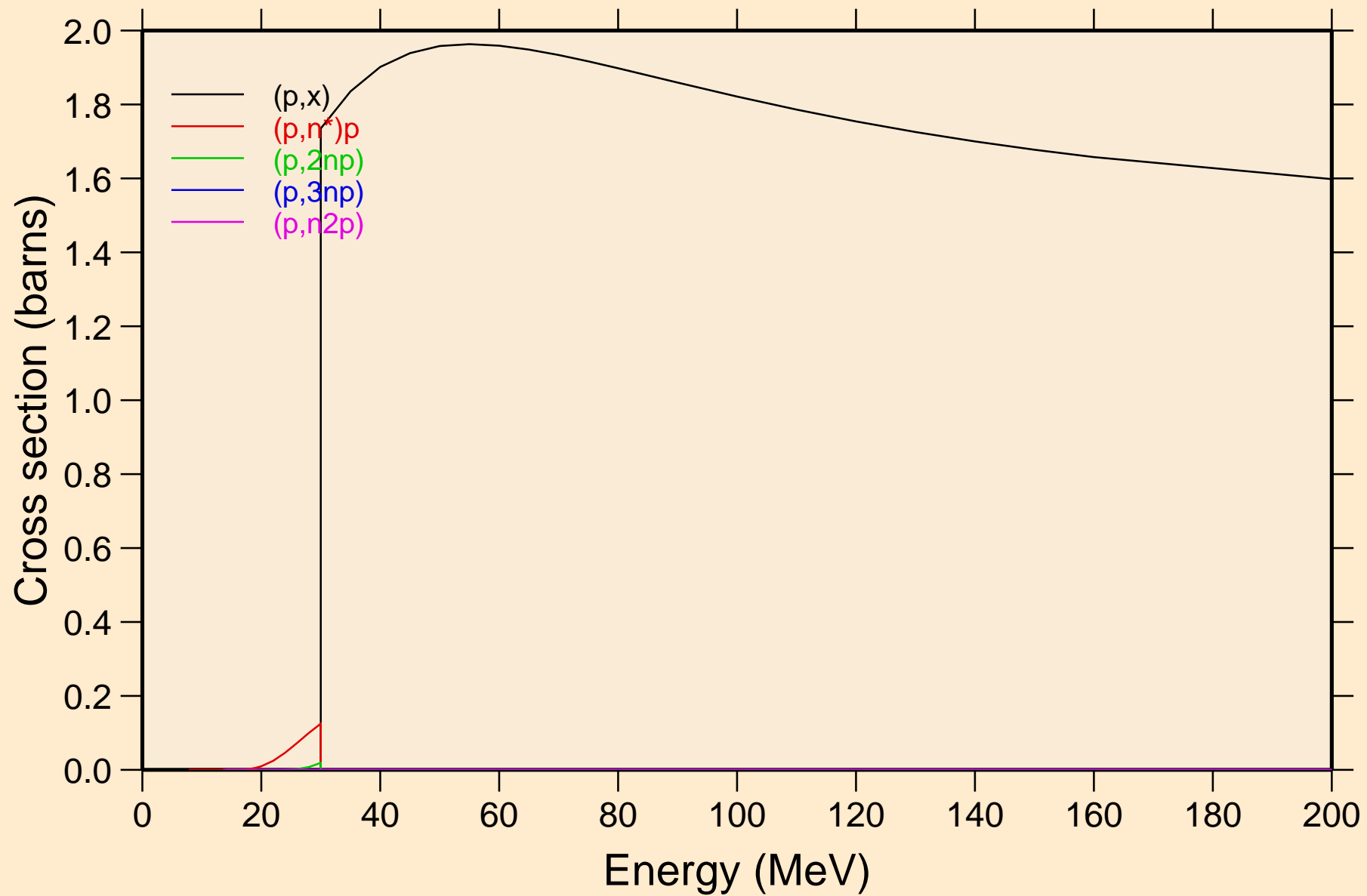
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Heating

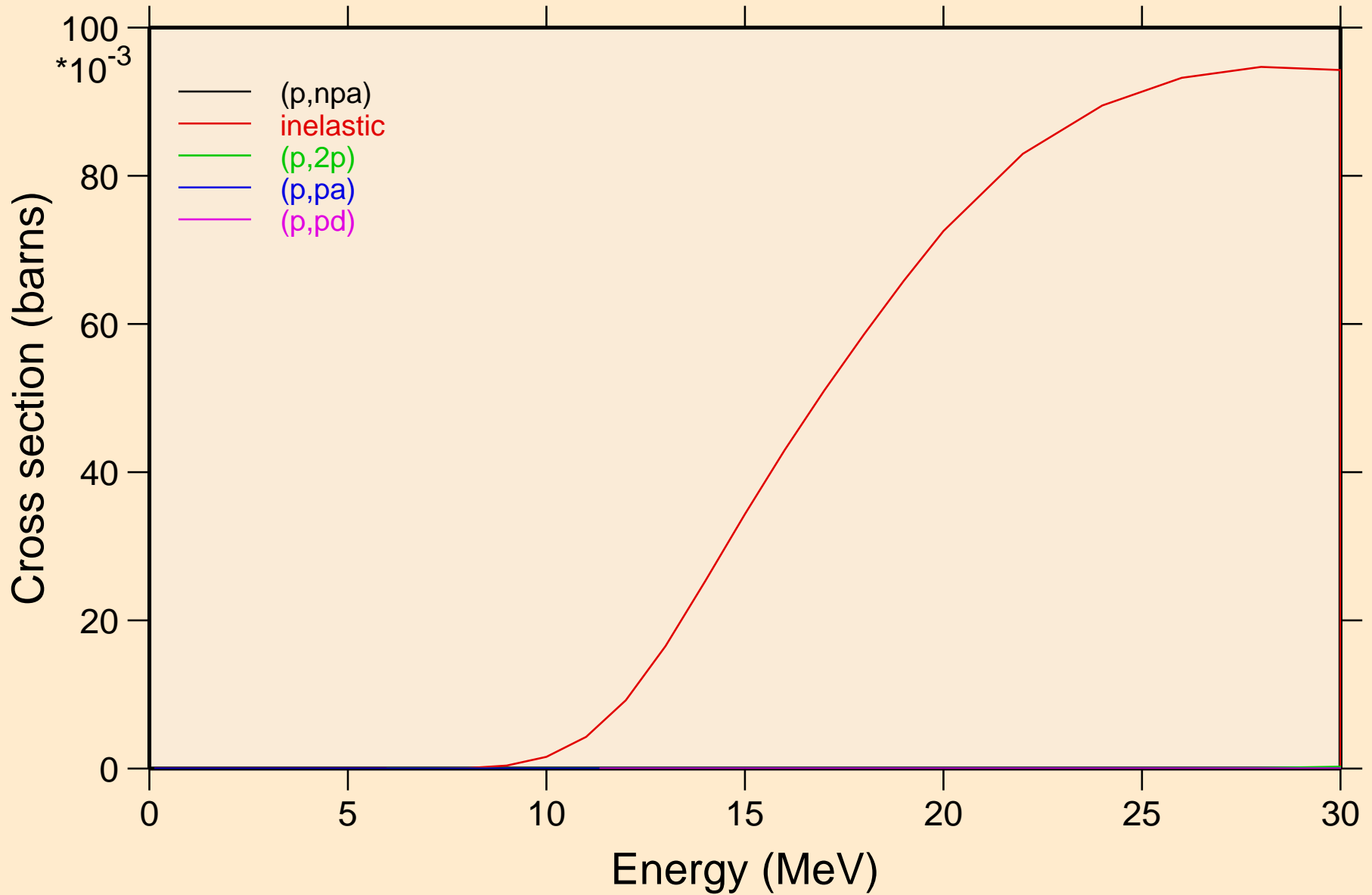


# IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K

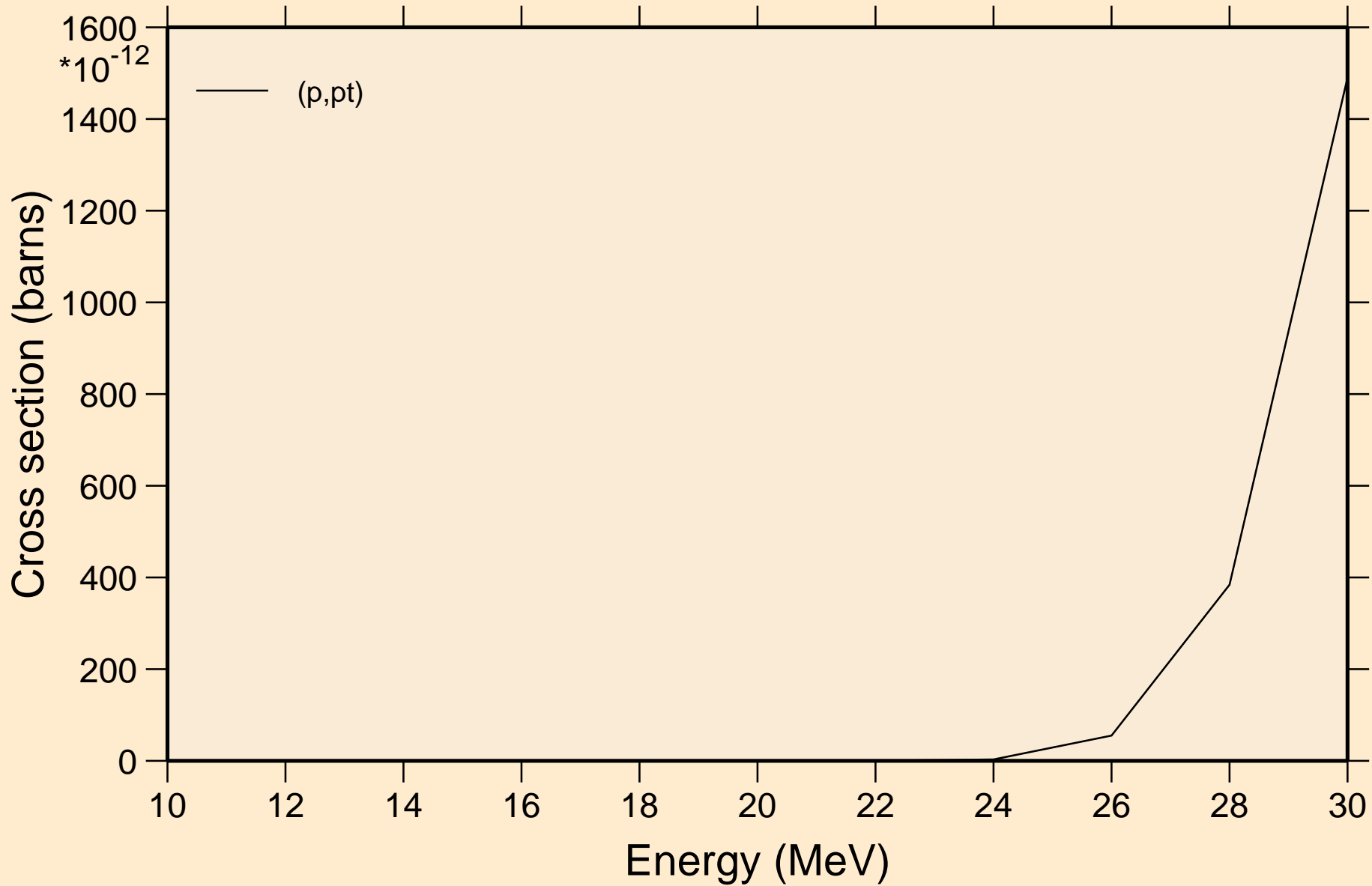
## Threshold reactions



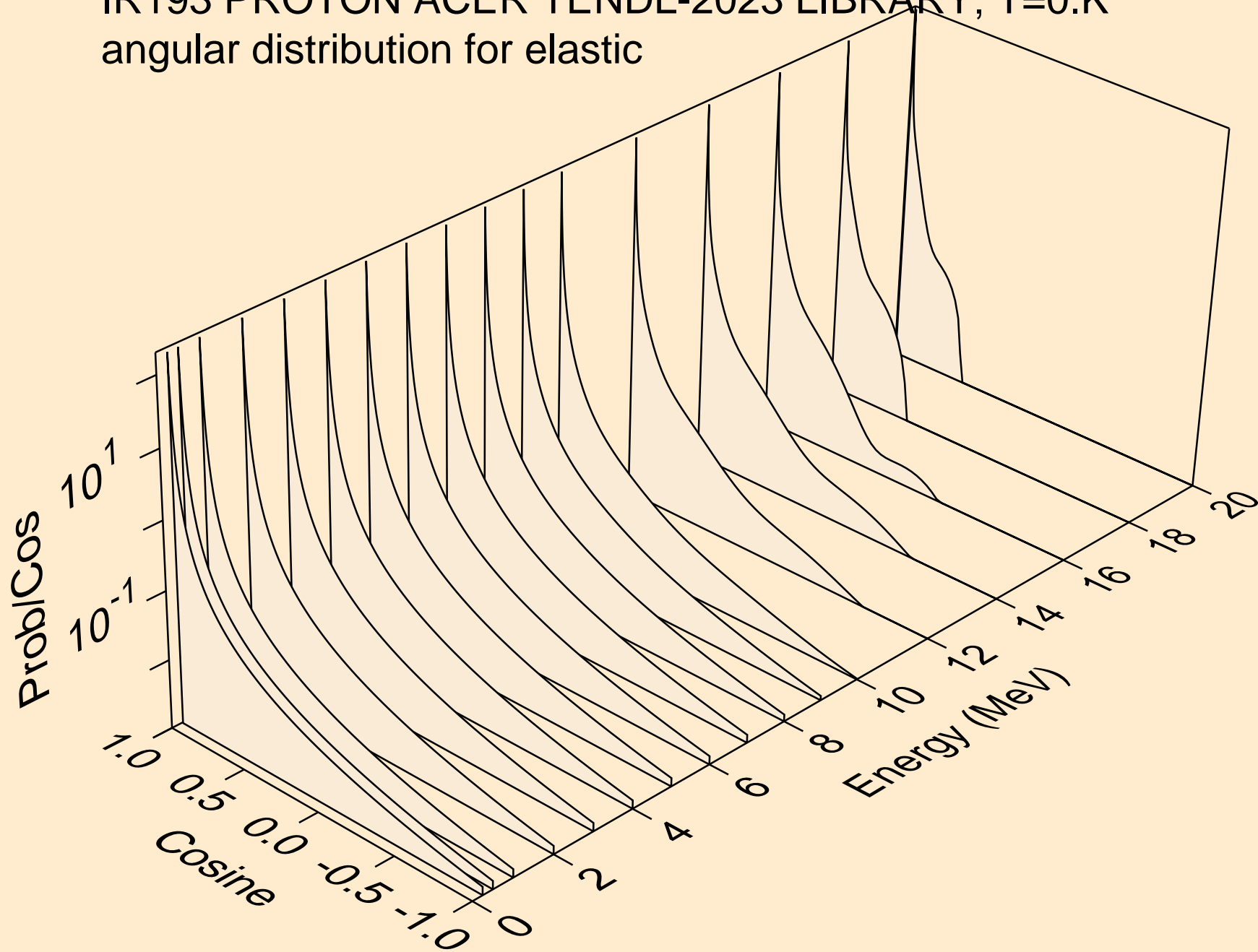
IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

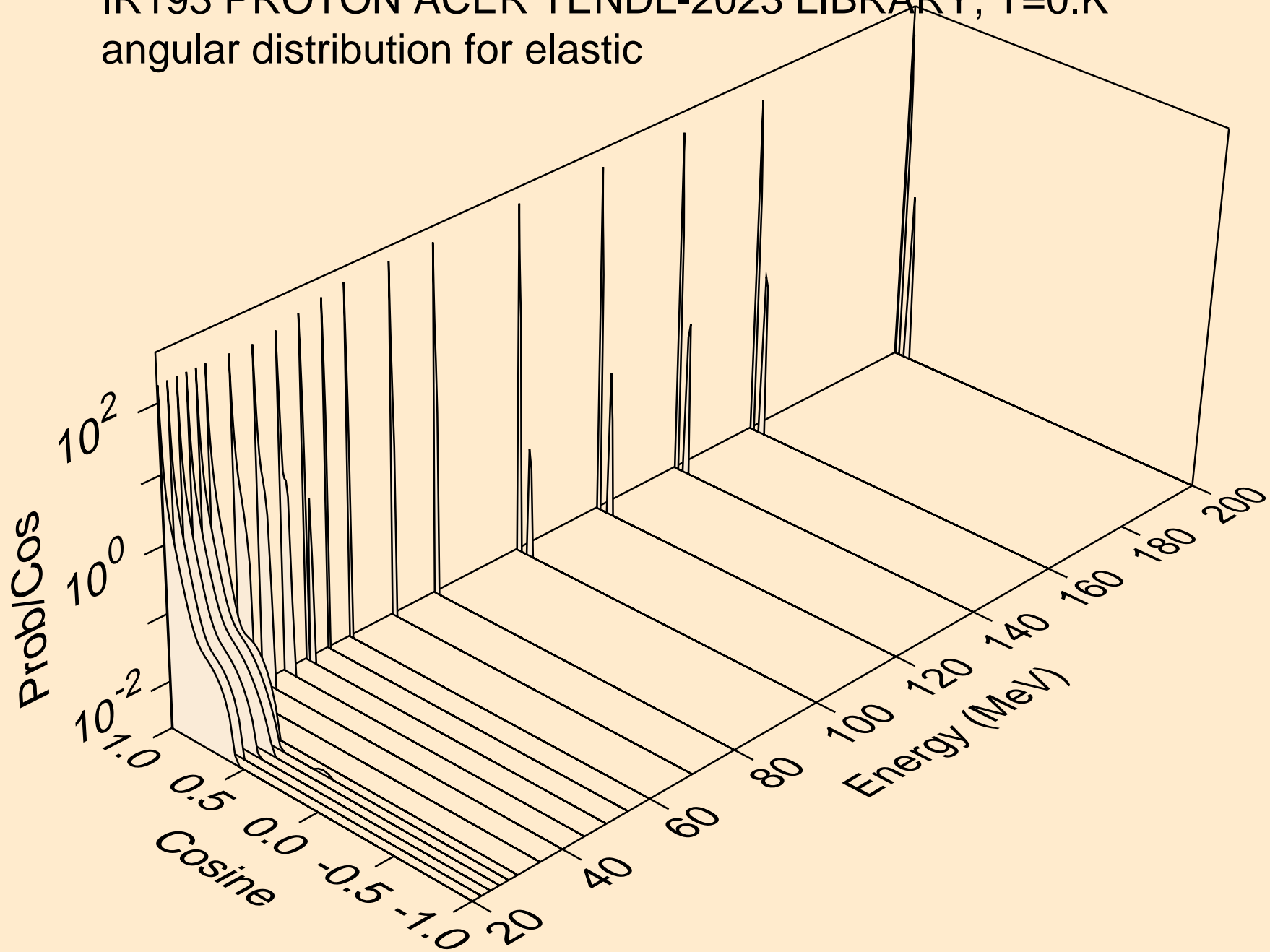


IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic

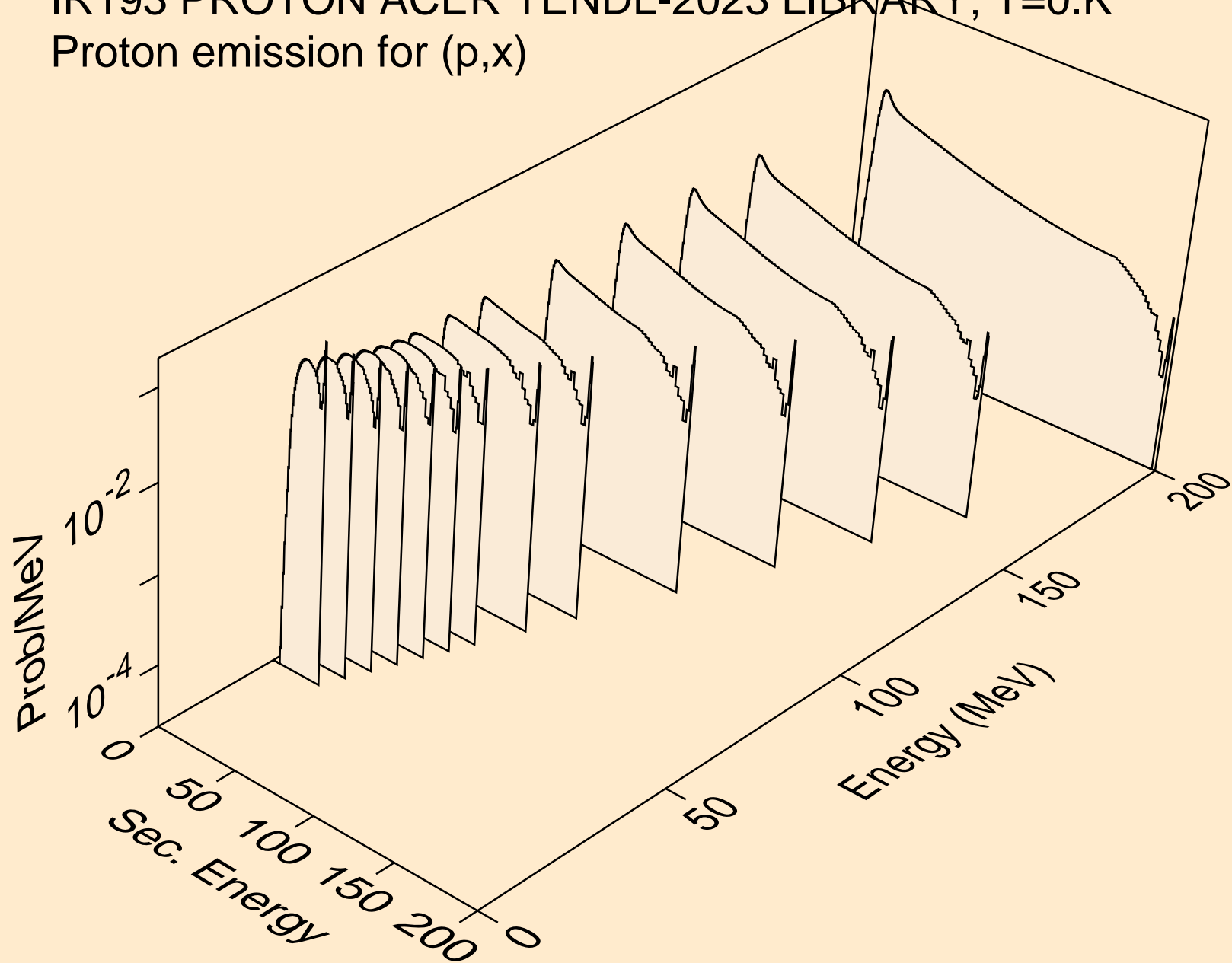




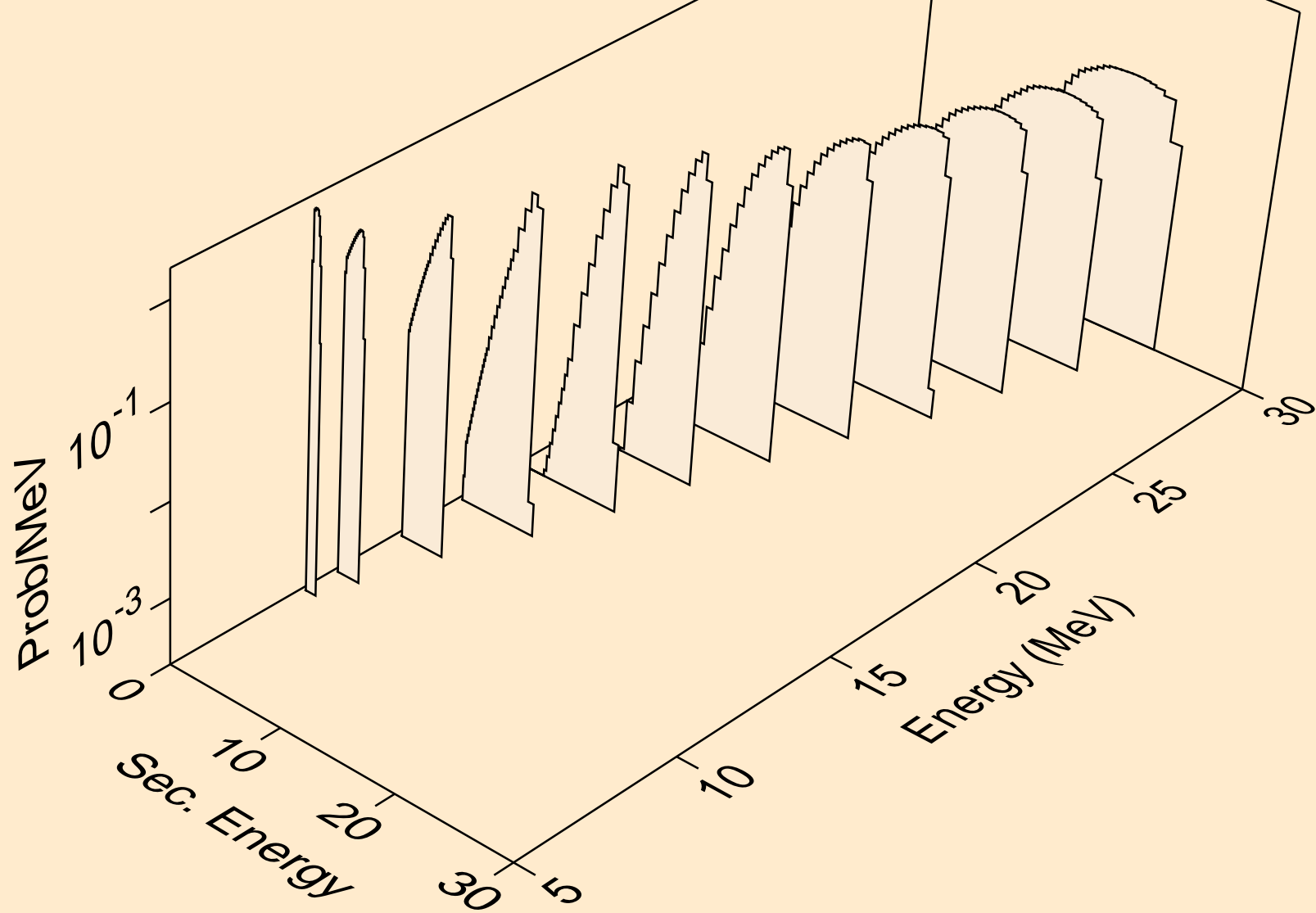
IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



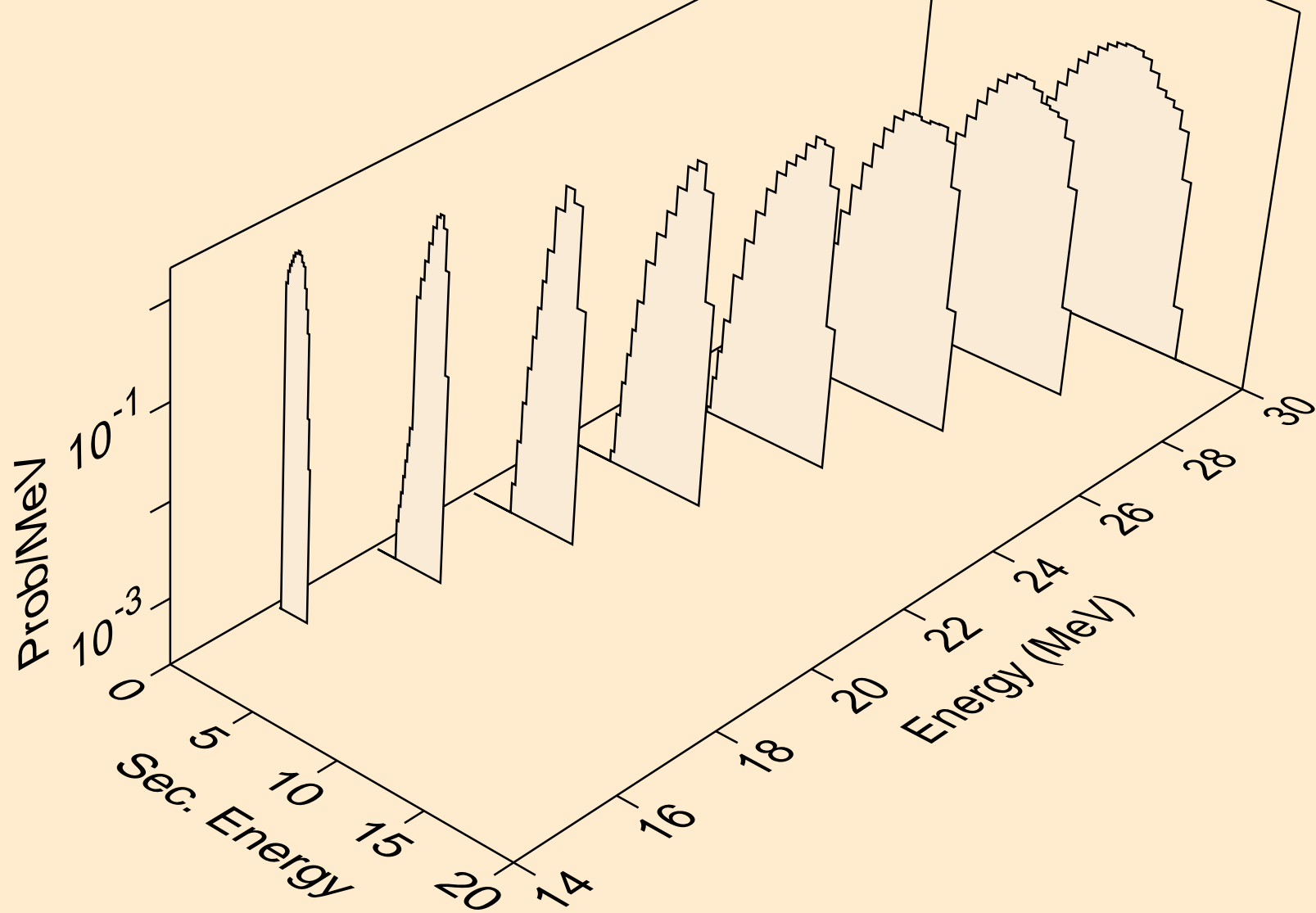
IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



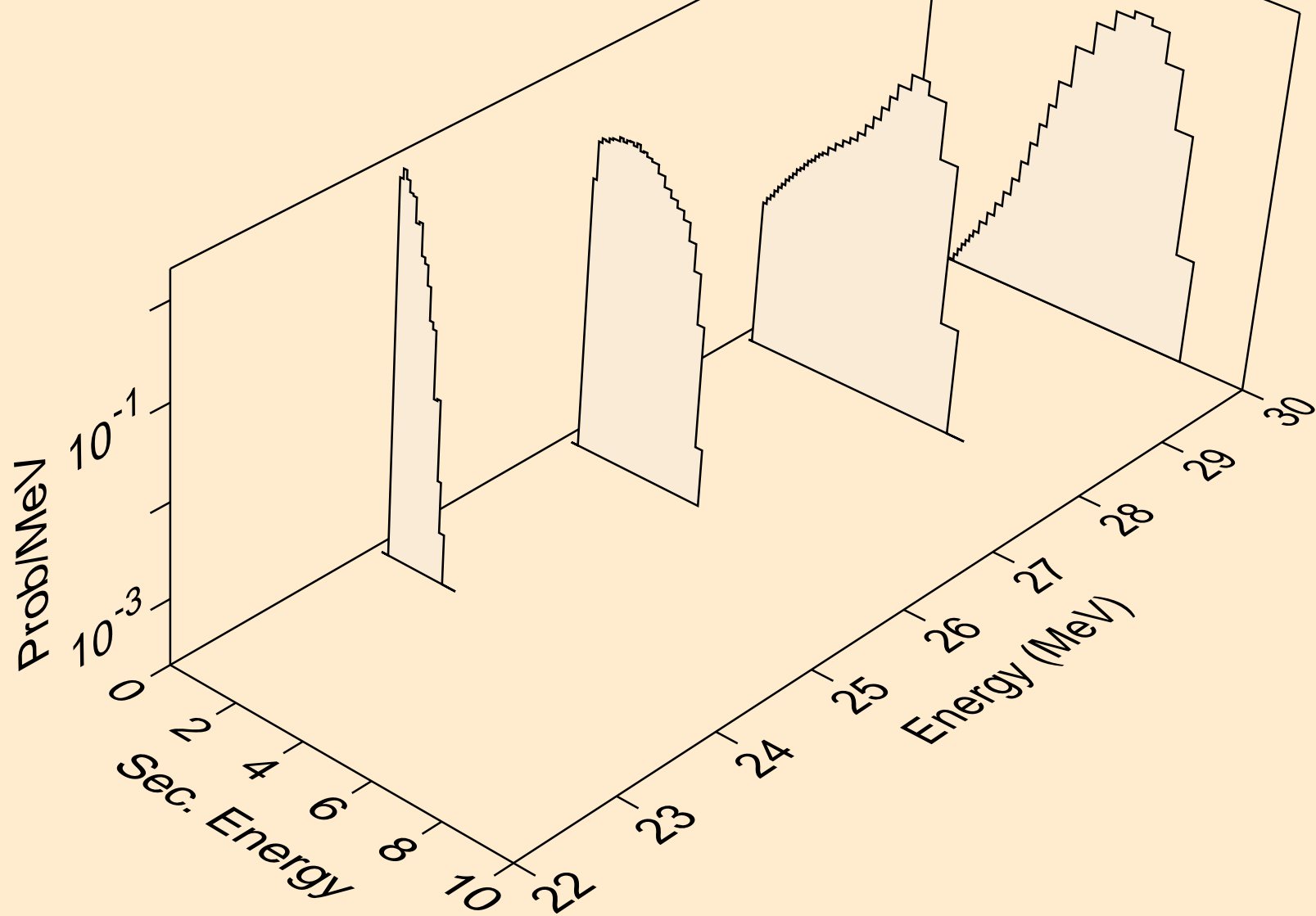
IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



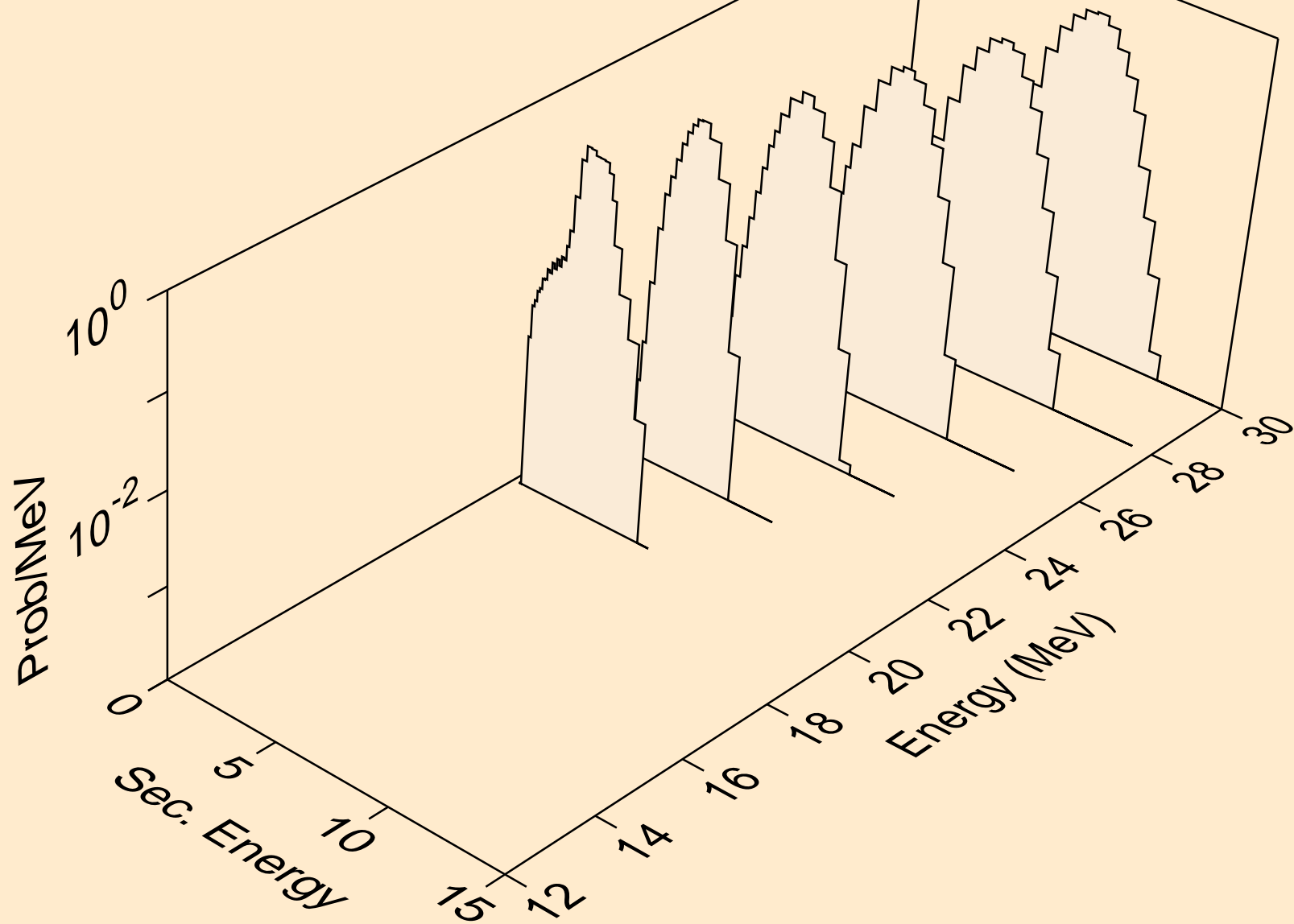
IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



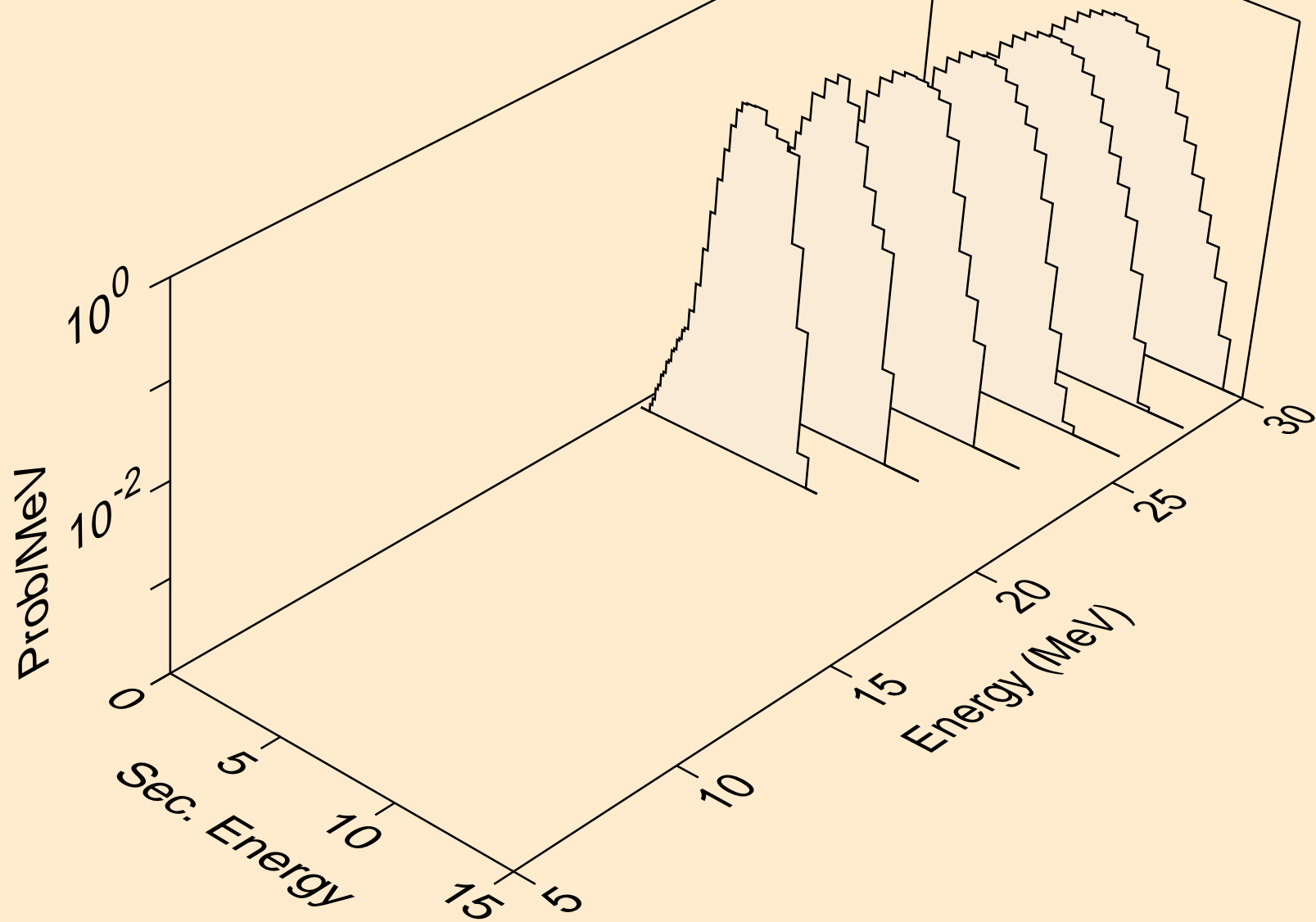
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Proton emission for (p,3np)



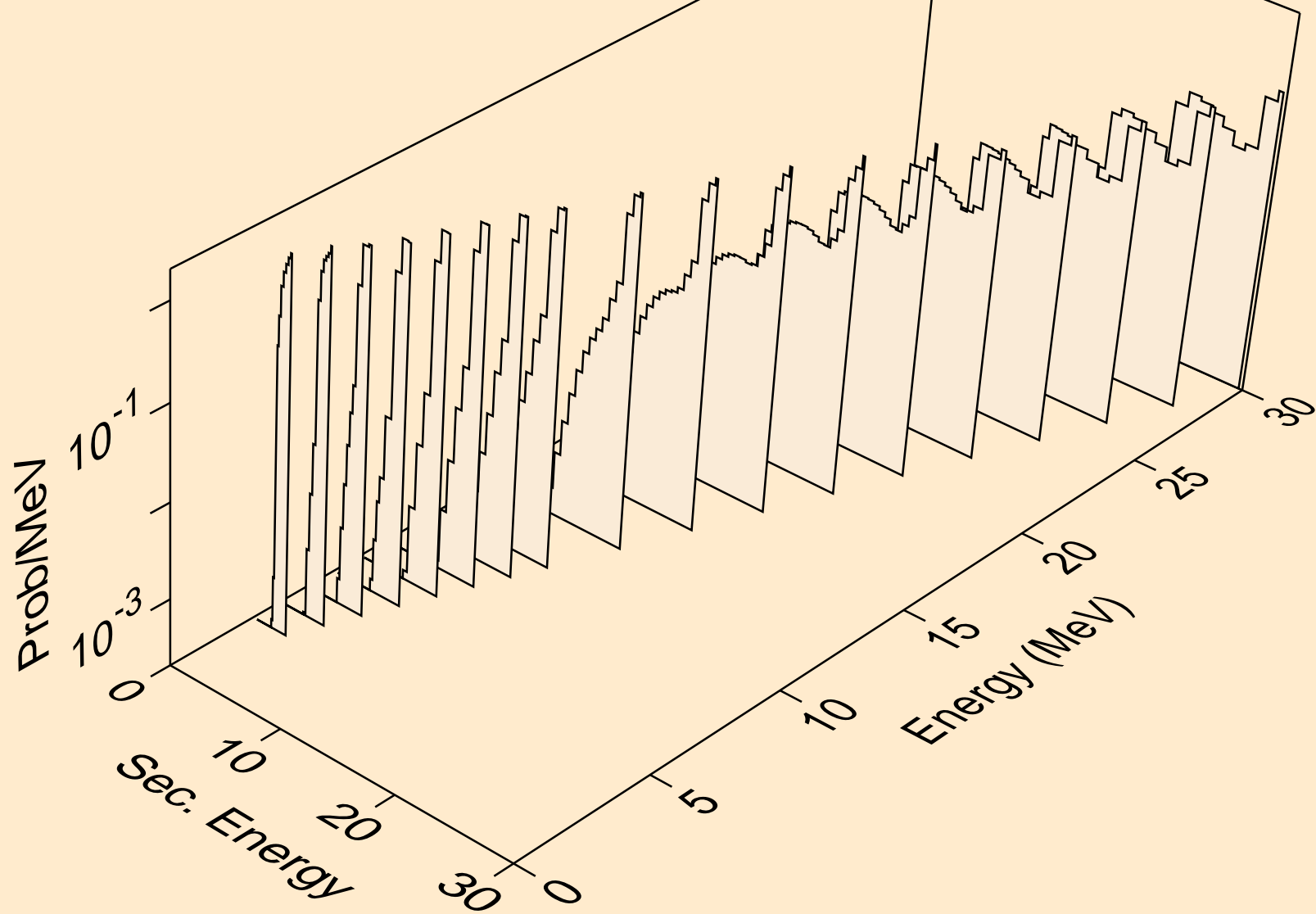
IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)



IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,npa)

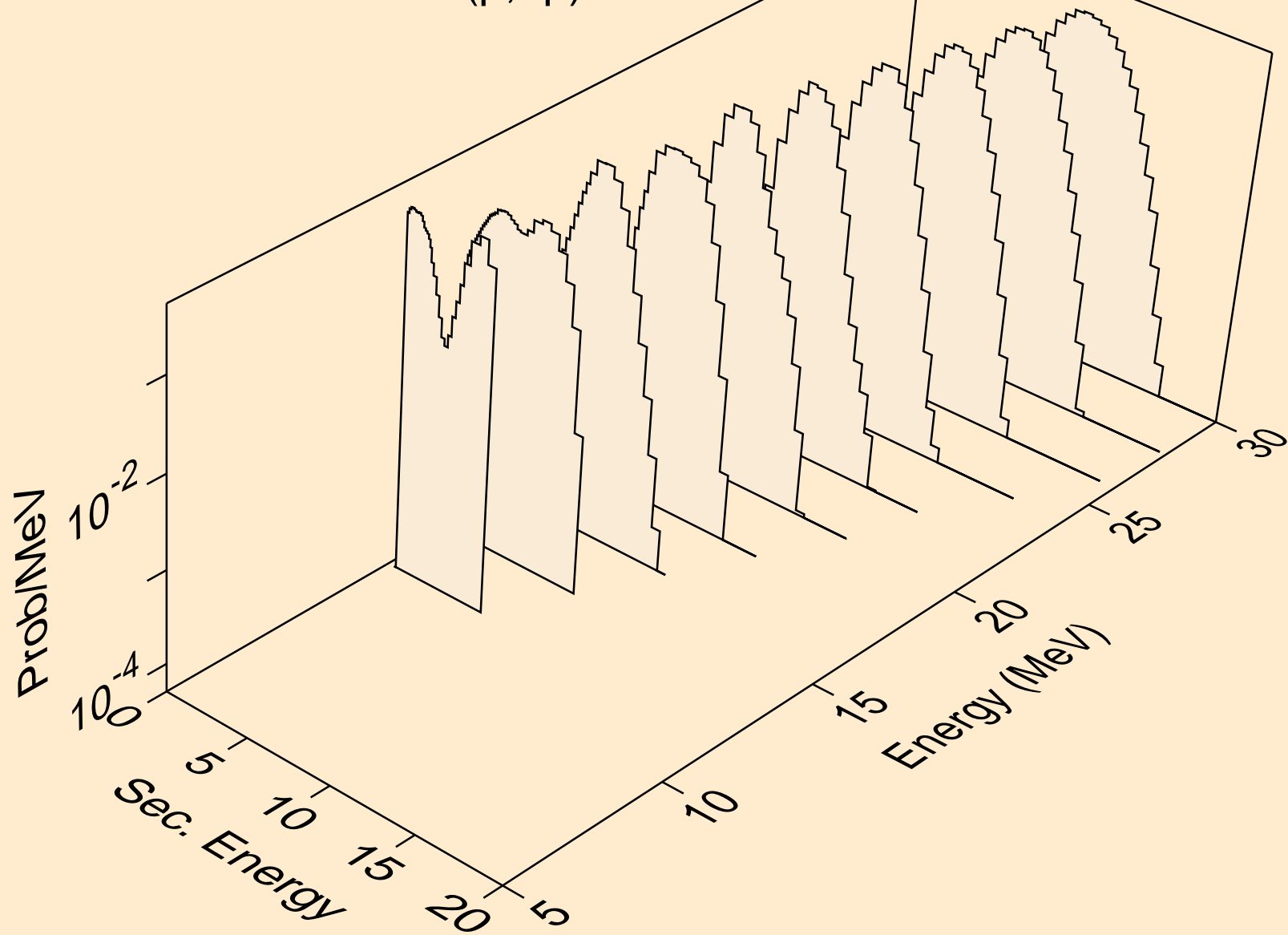


IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

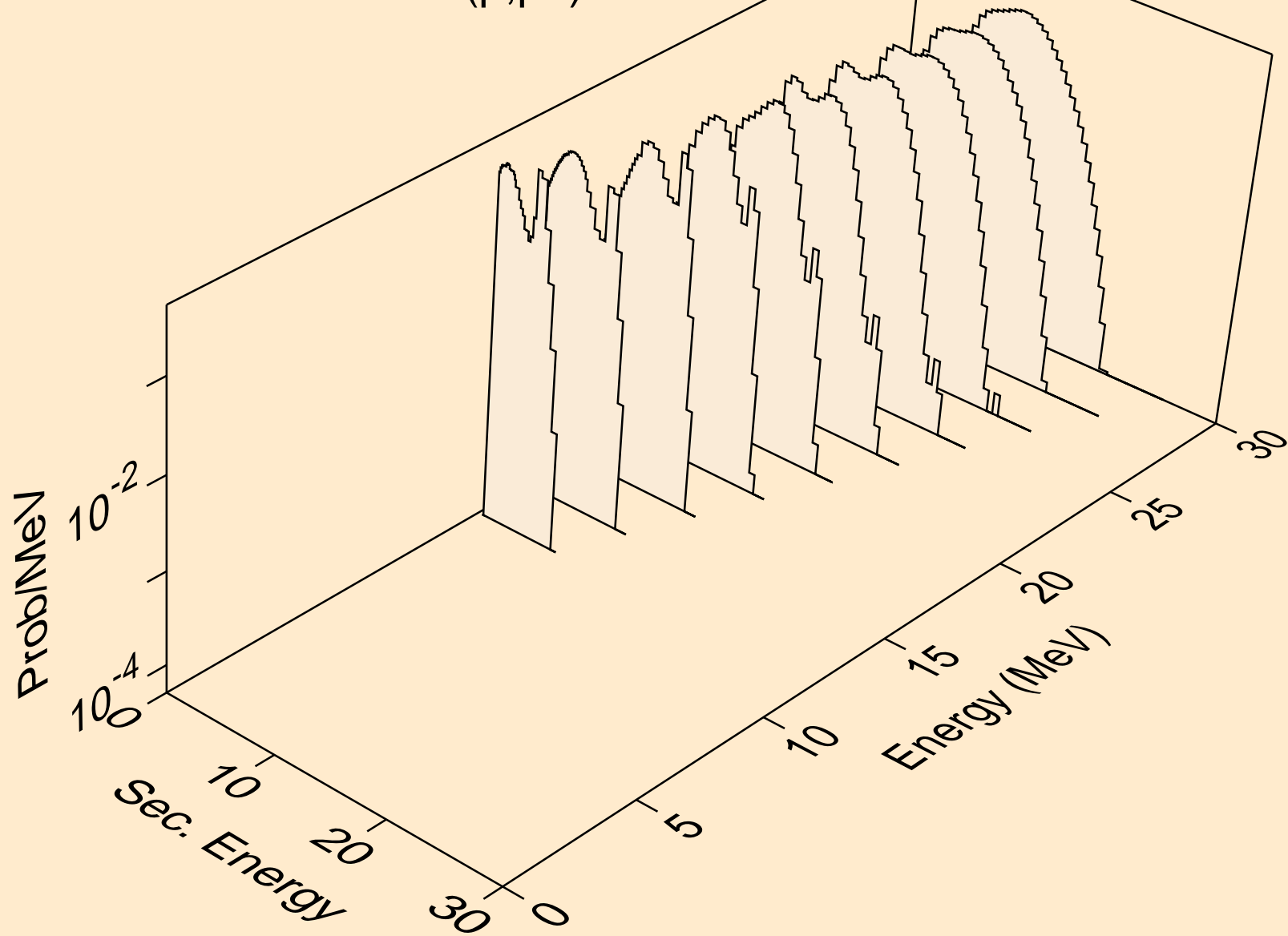




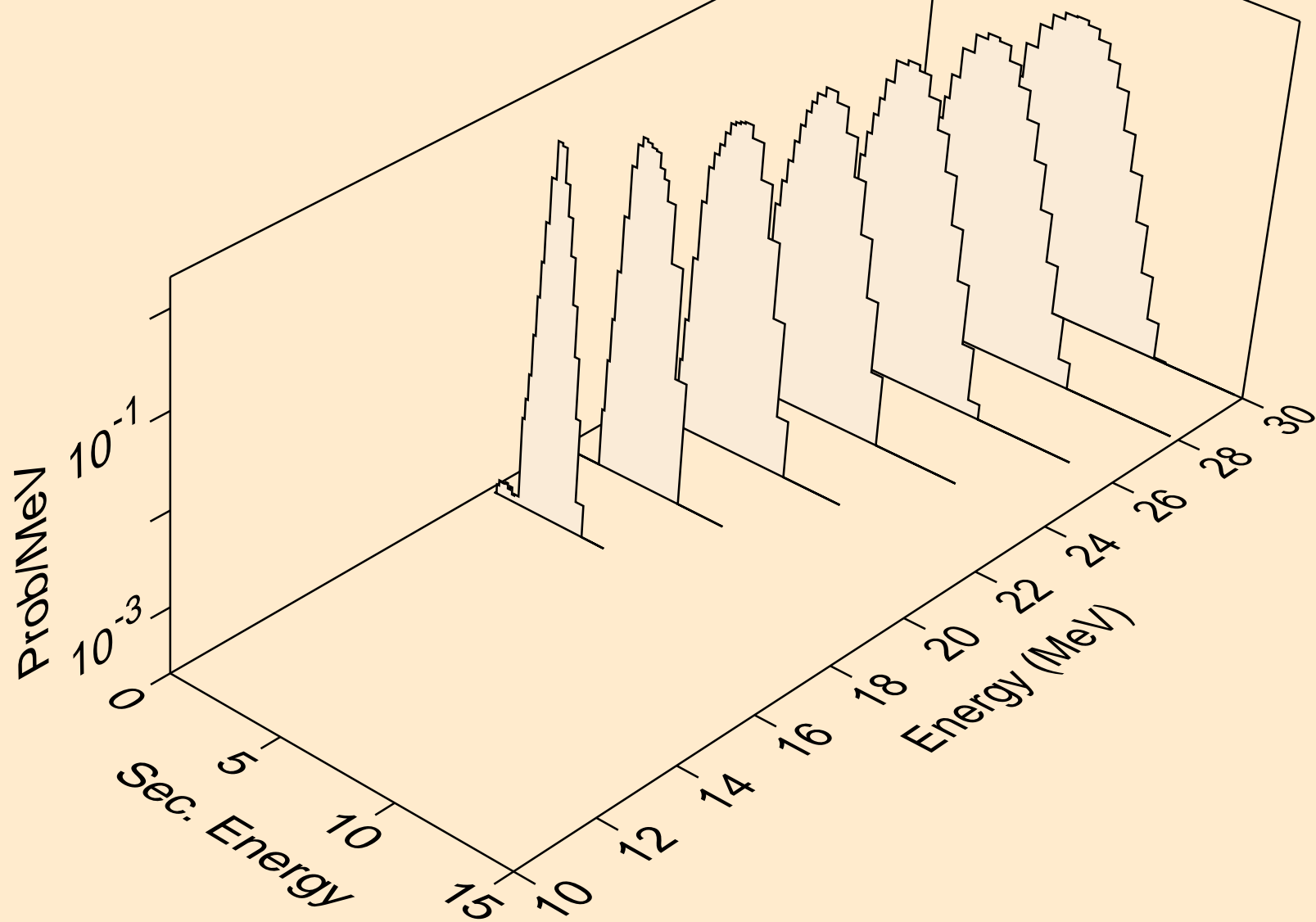
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Proton emission for (p,2p)



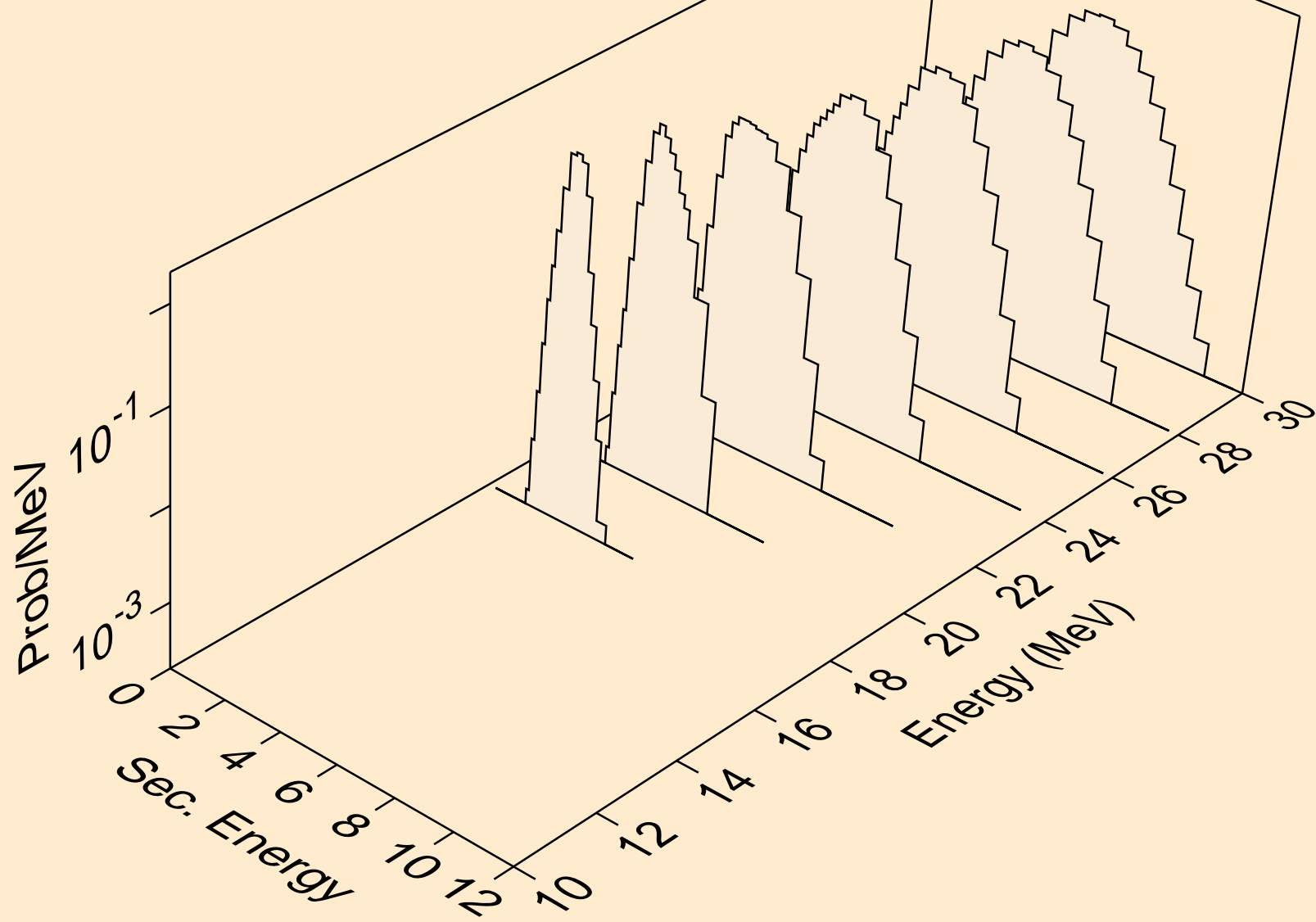
IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pa)



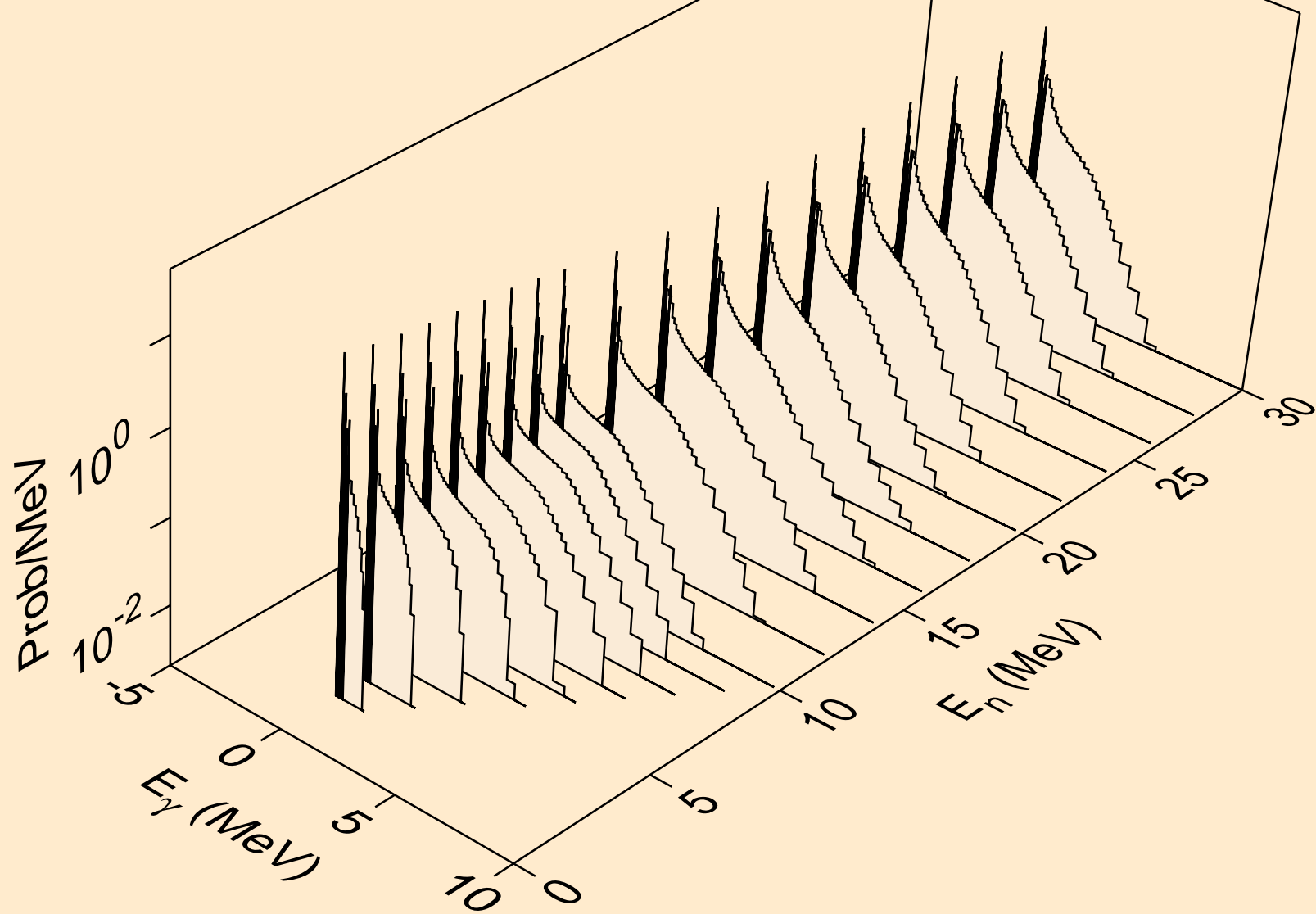
IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pd)



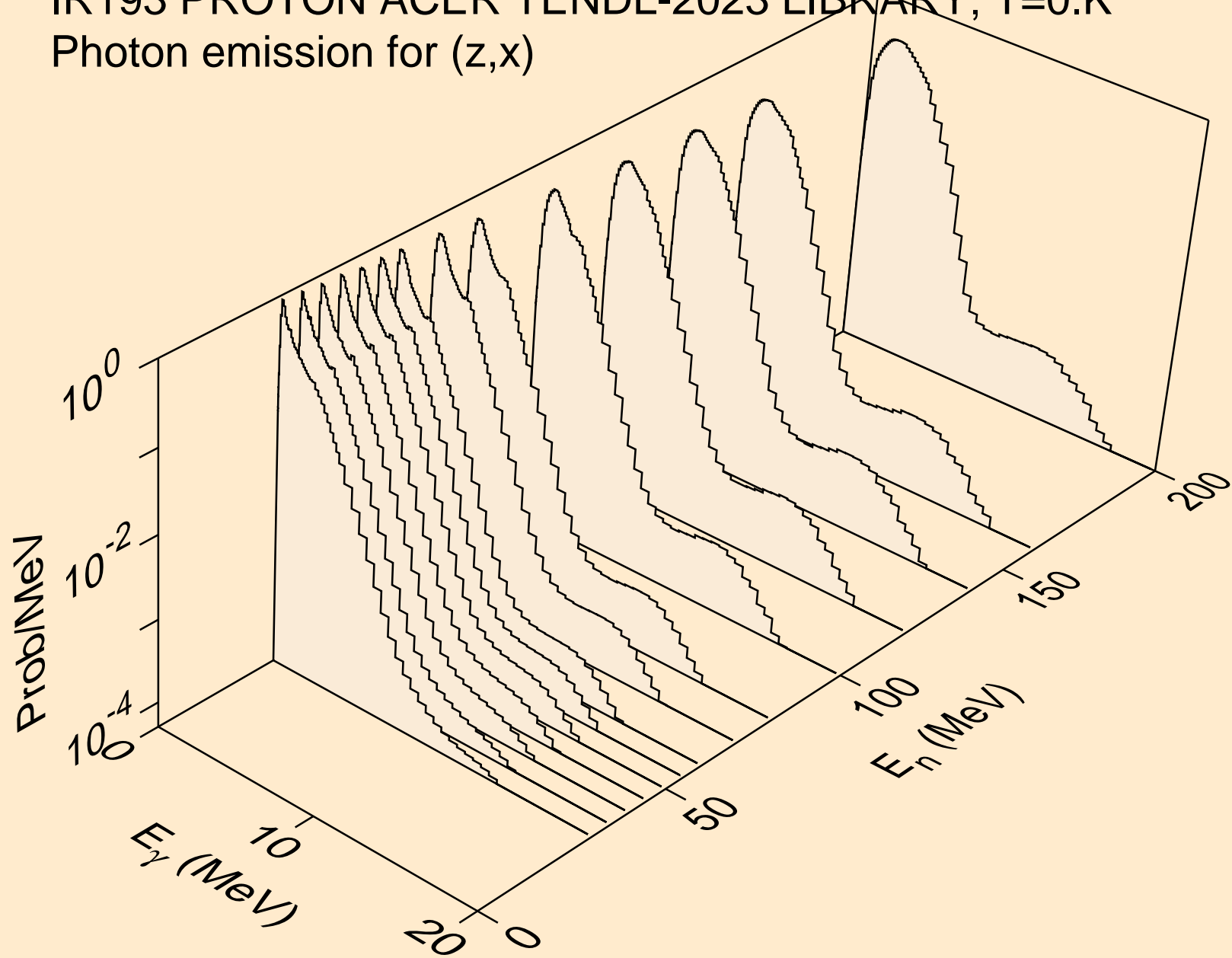
IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,pt)



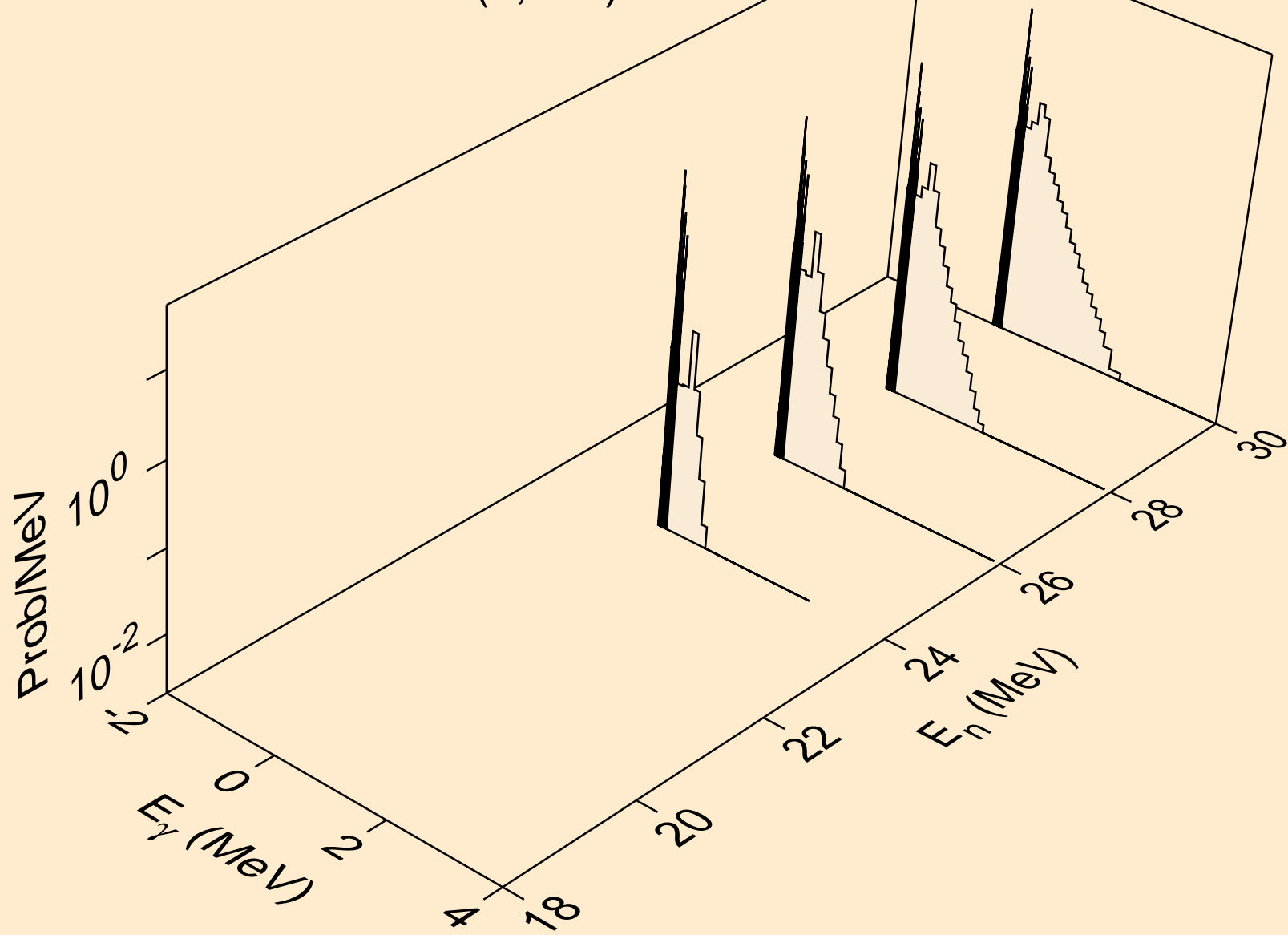
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Photon emission for (z,n)



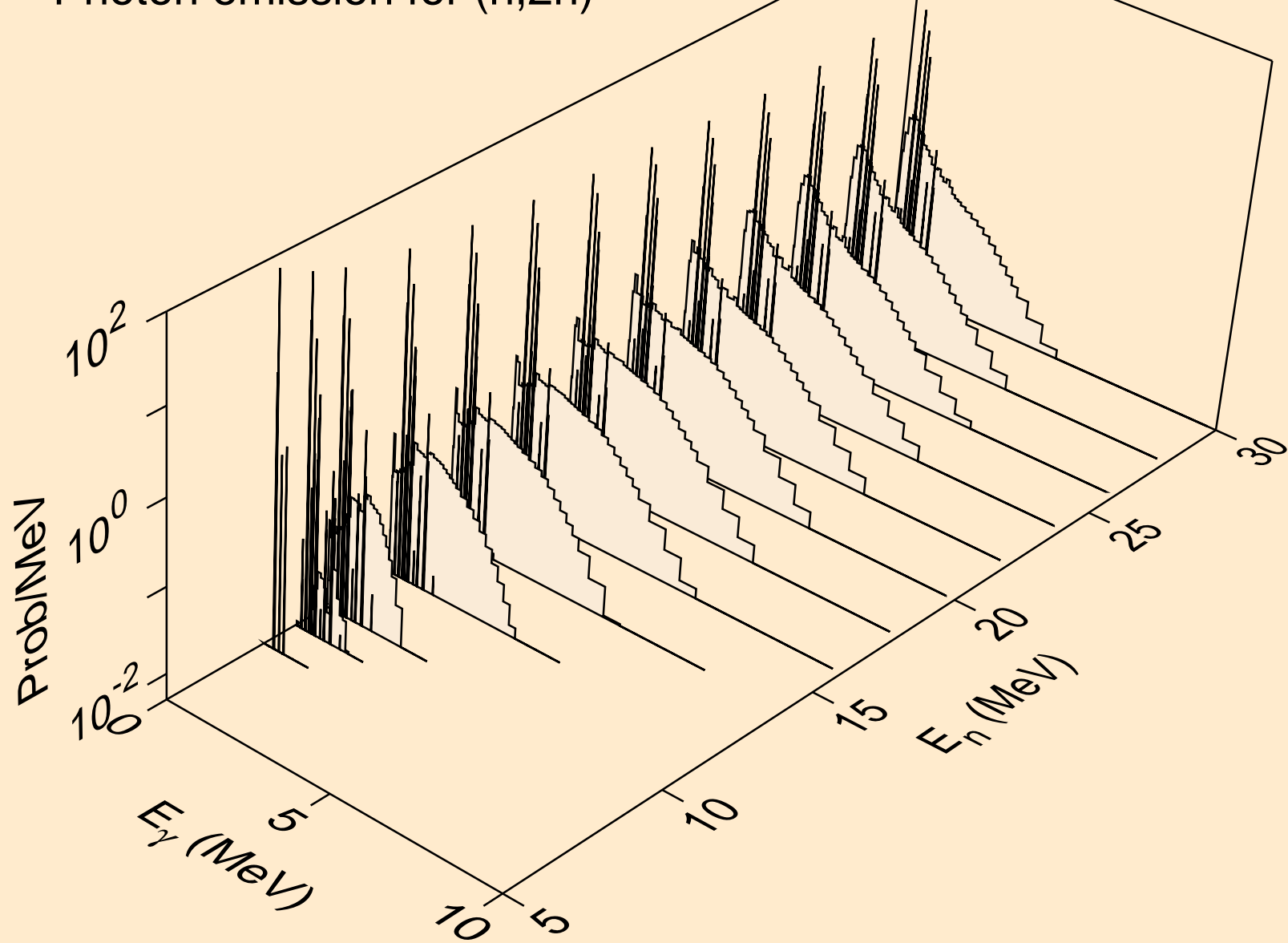
IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)

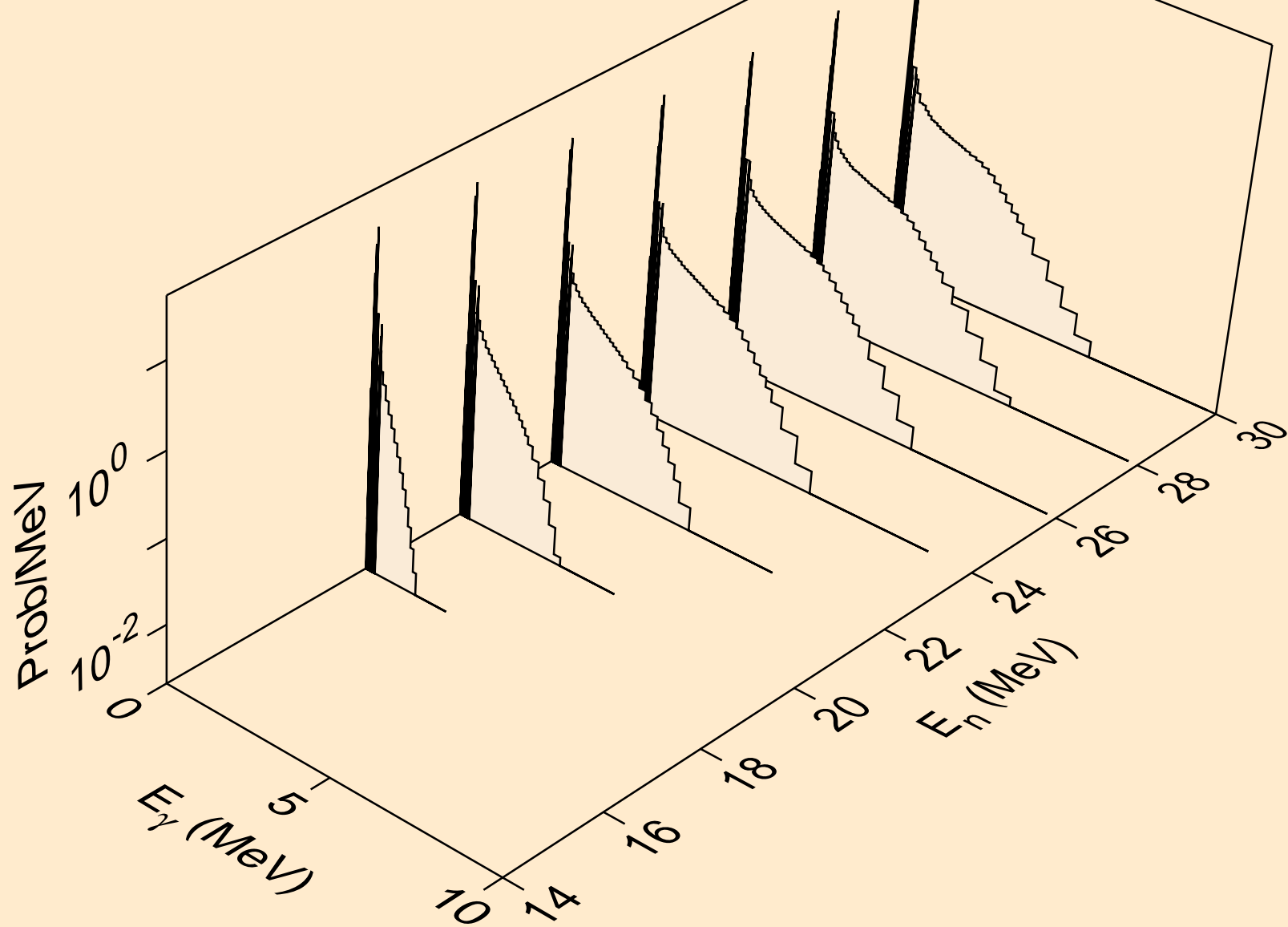


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Photon emission for (n,2n)

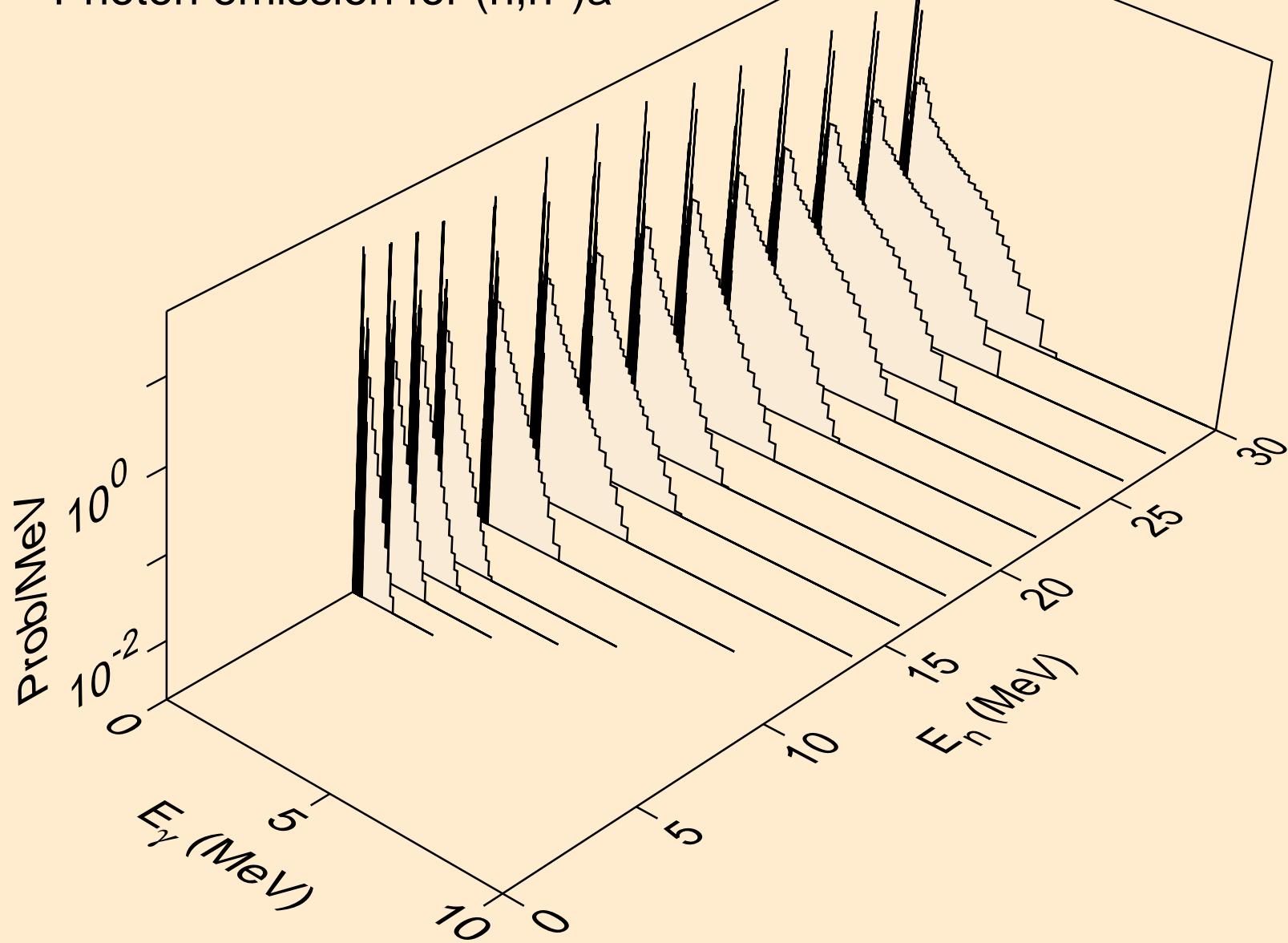




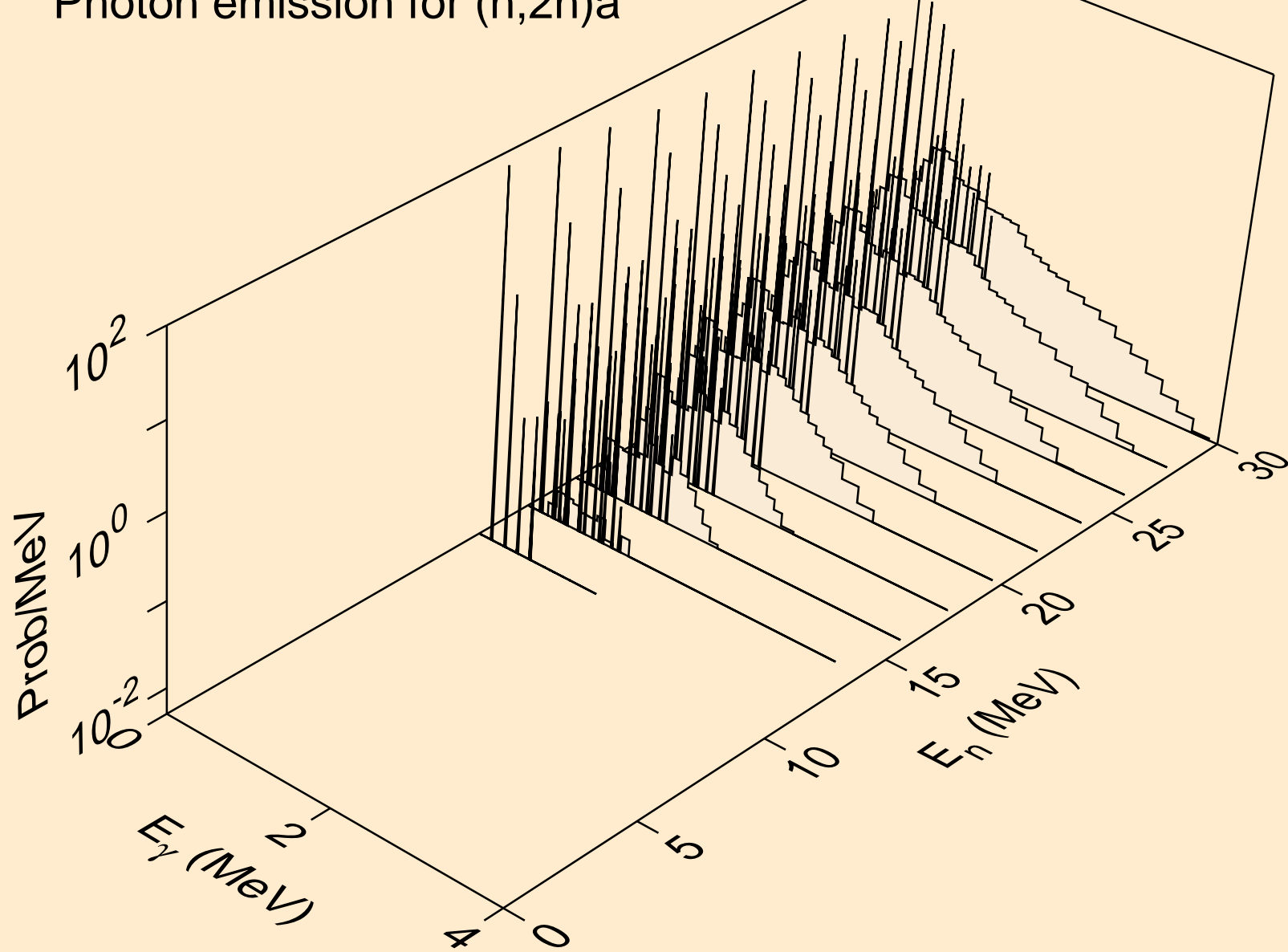
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Photon emission for (n,3n)



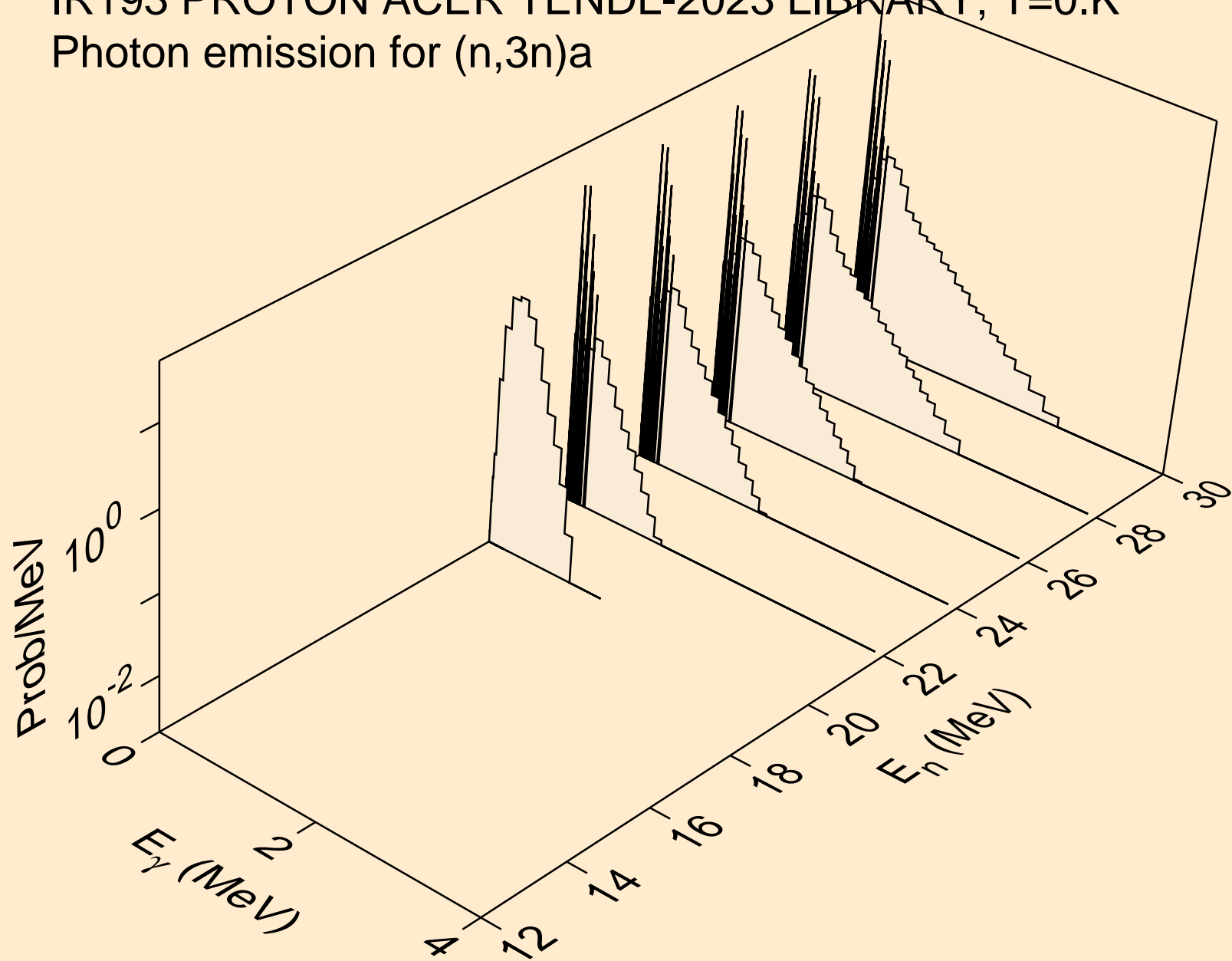
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Photon emission for (n,n\*)a



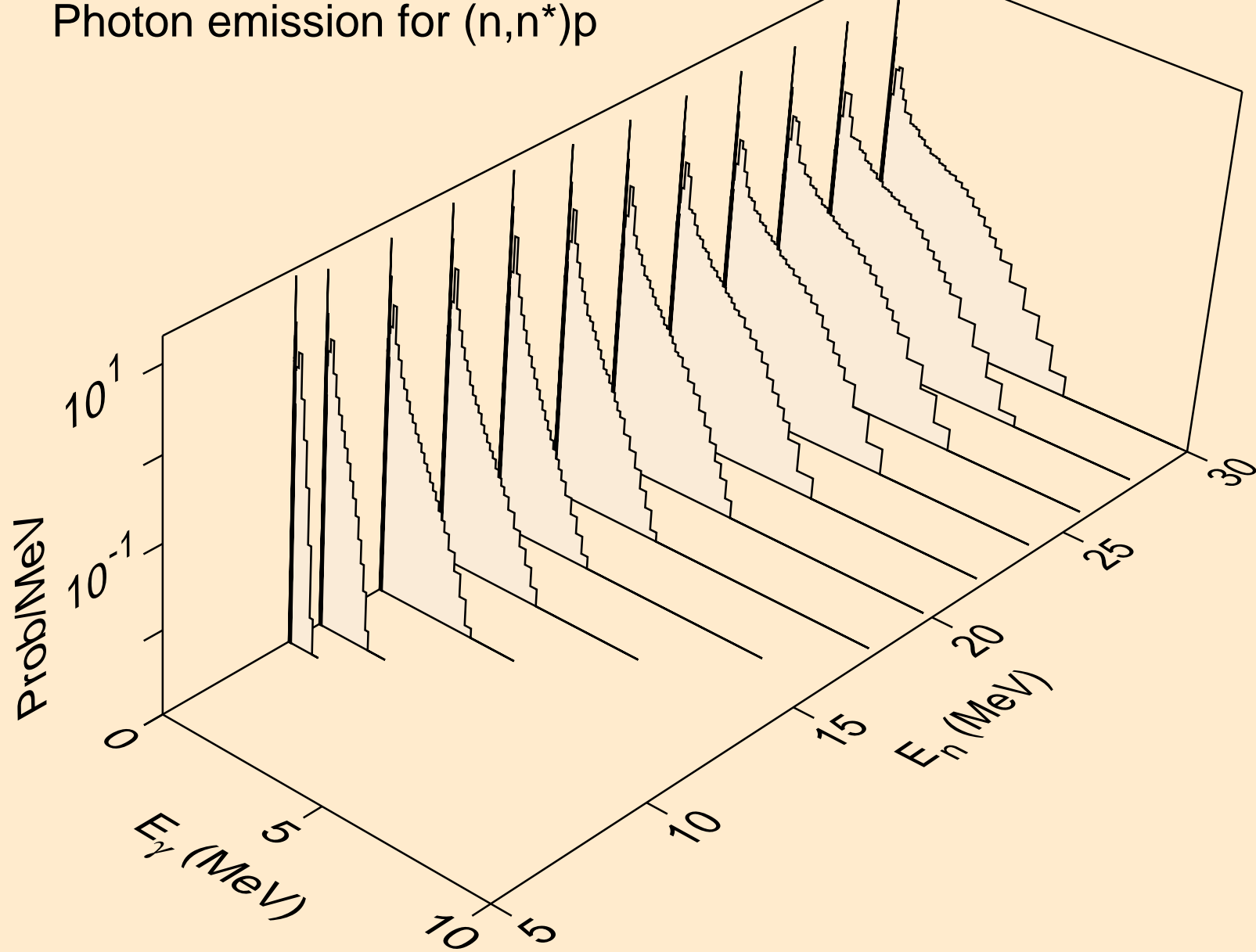
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Photon emission for (n,2n)a



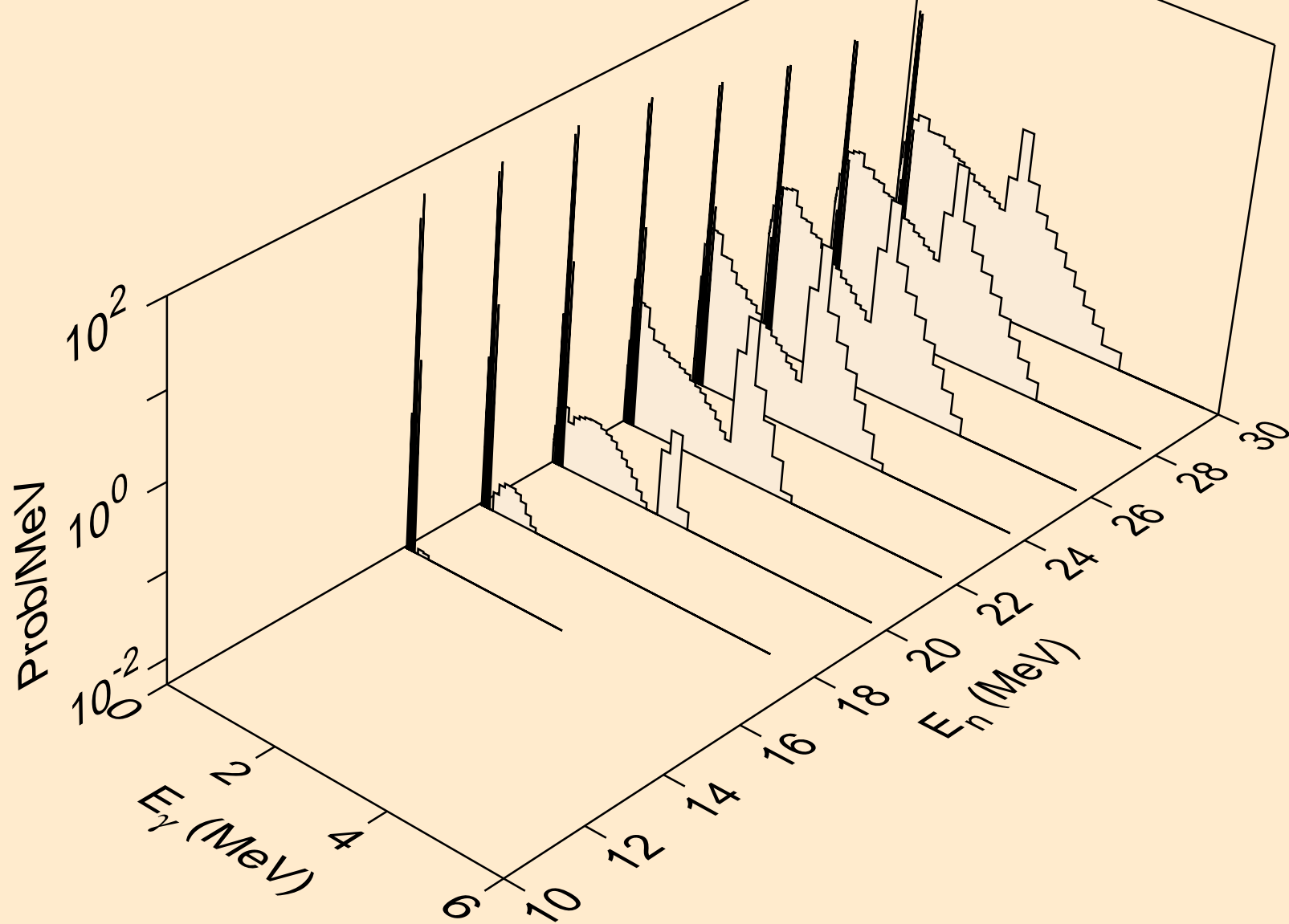
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Photon emission for (n,3n)a



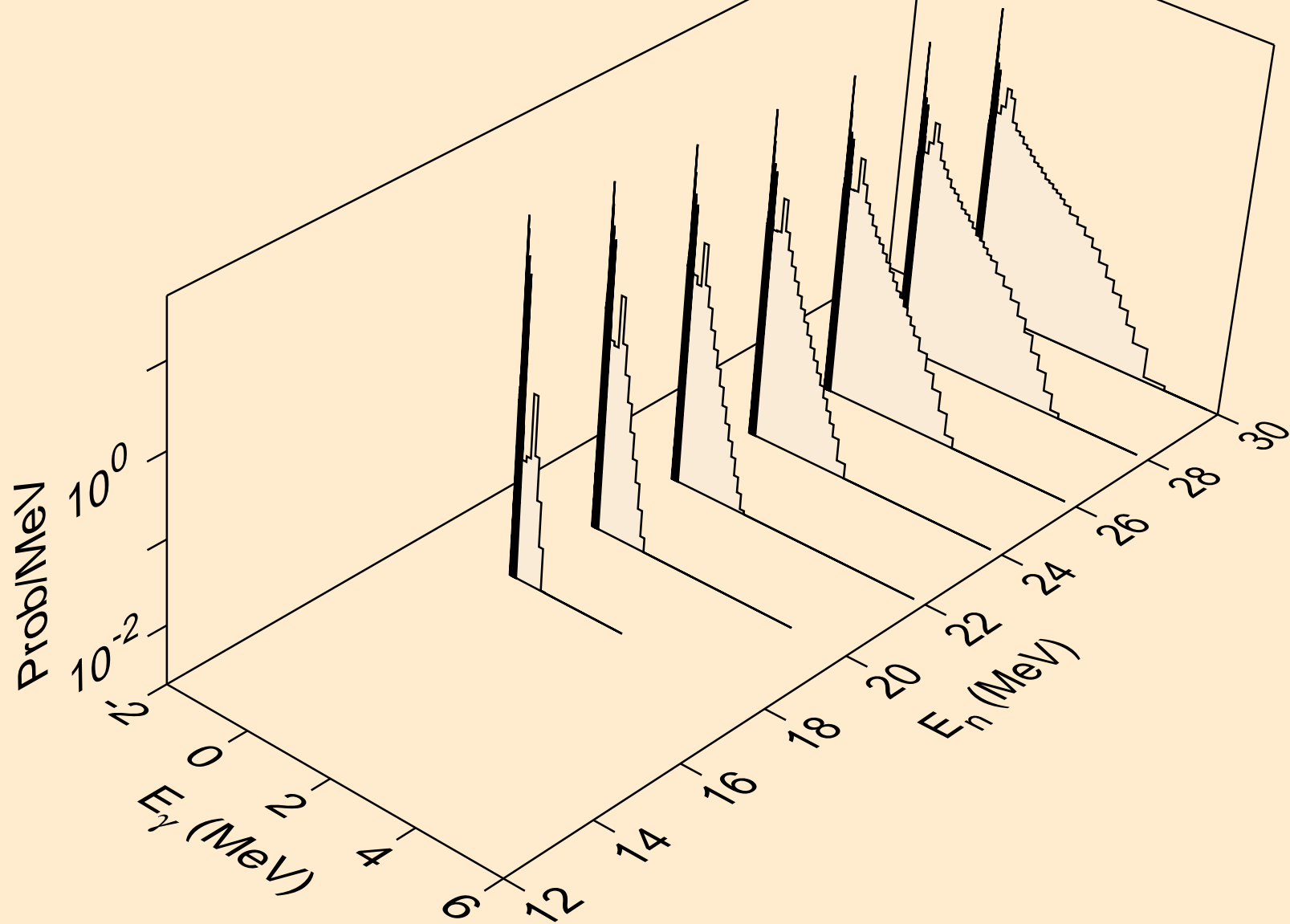
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Photon emission for (n,n\*)p



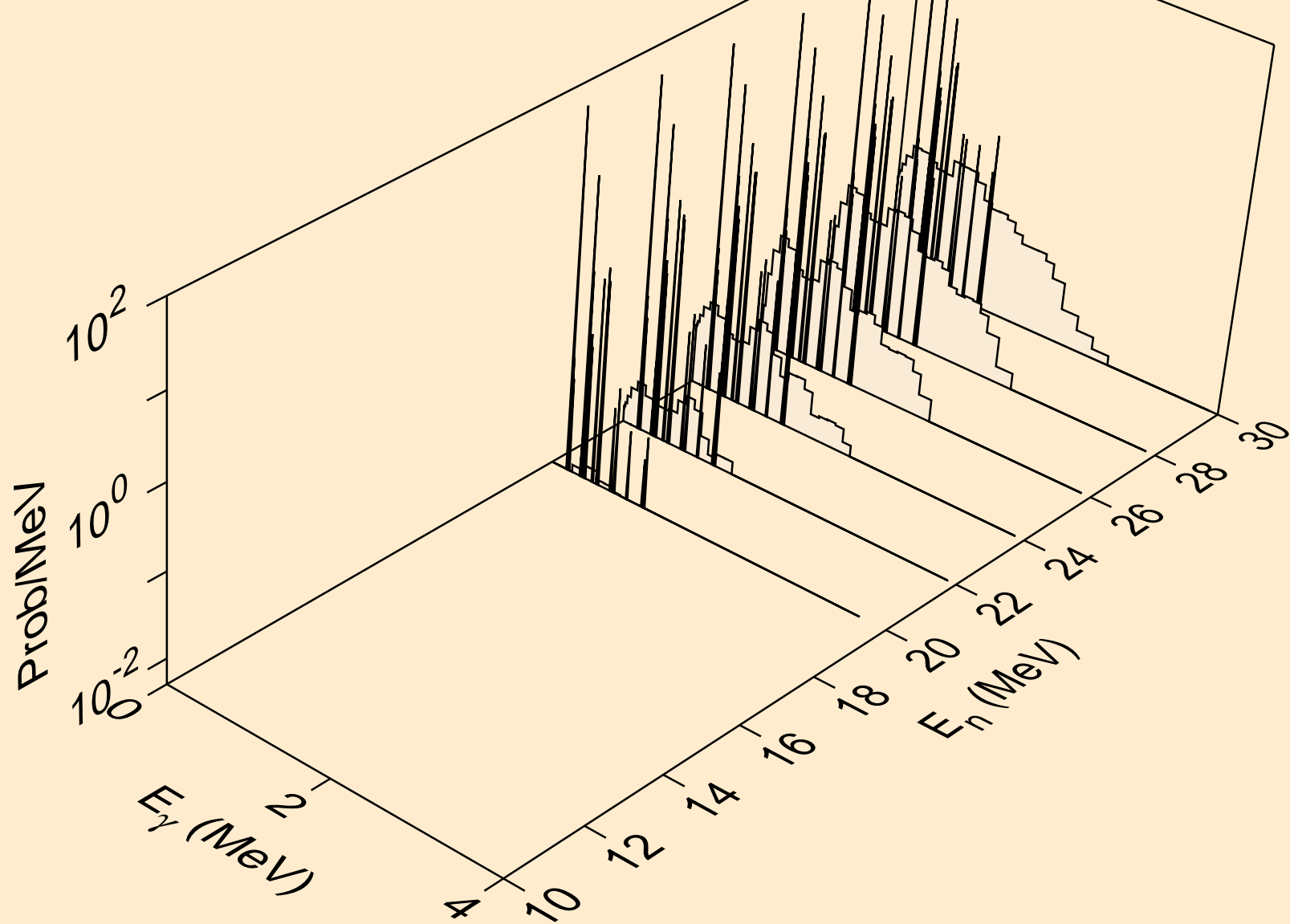
IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

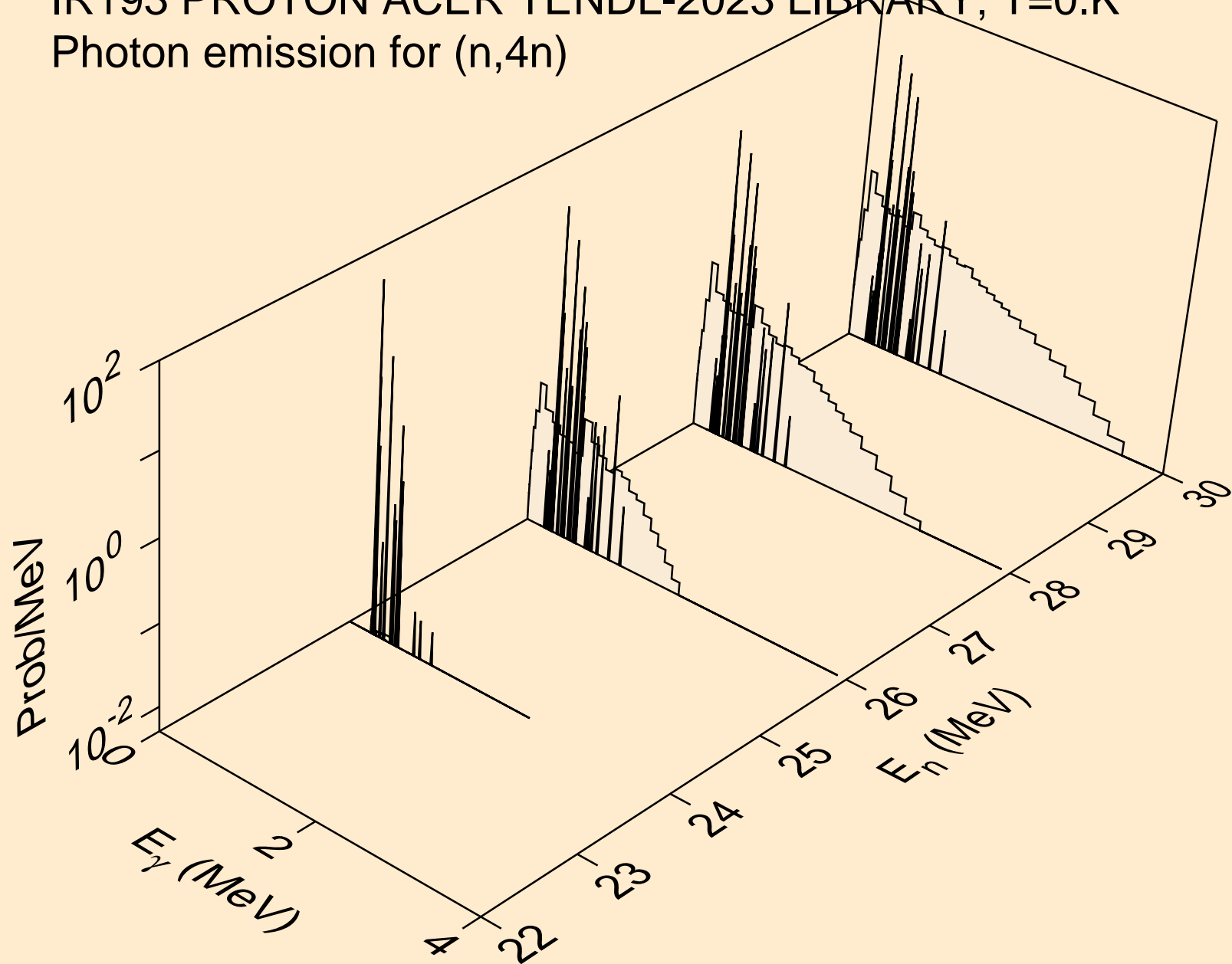


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Photon emission for (n,n\*)he3

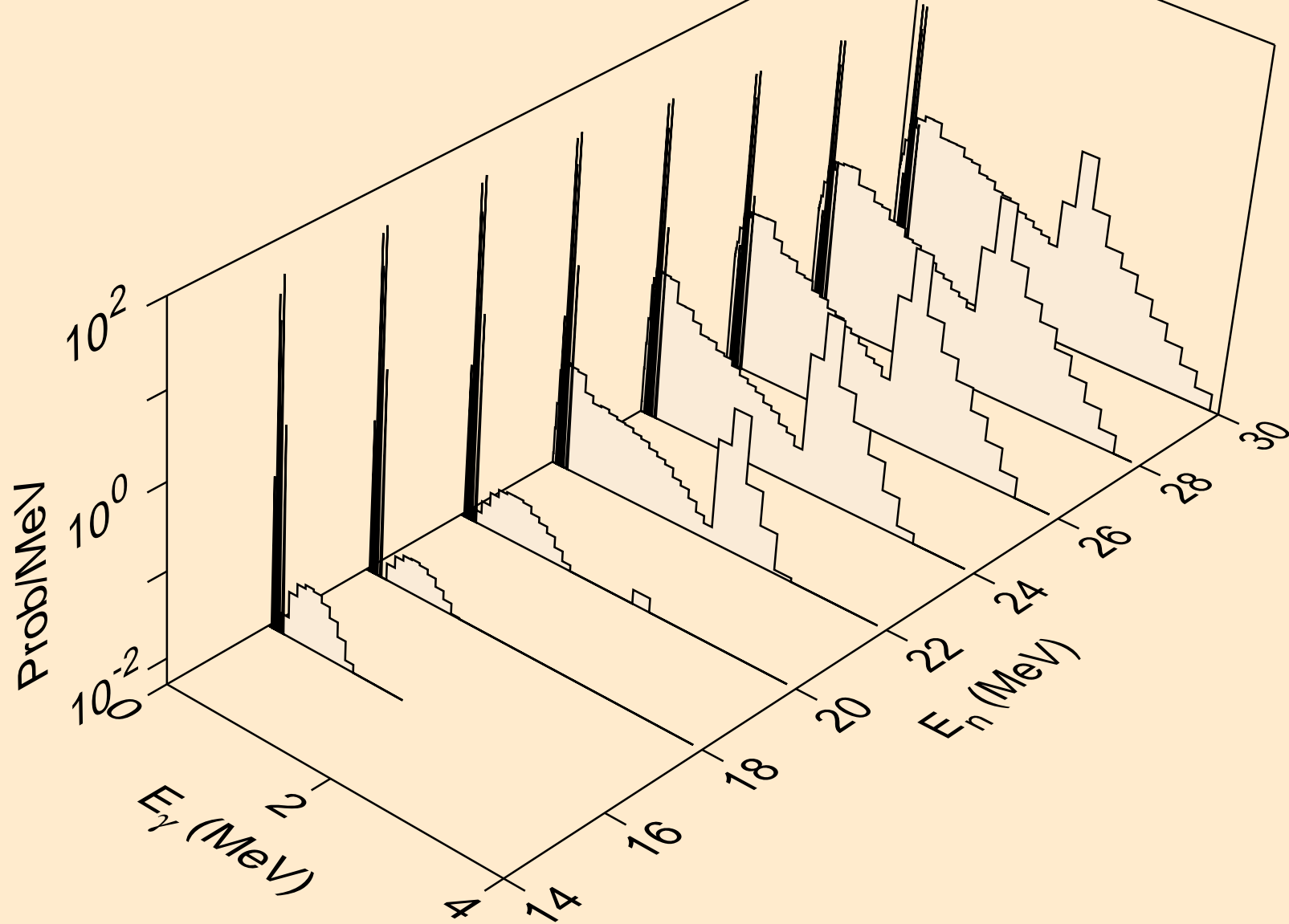




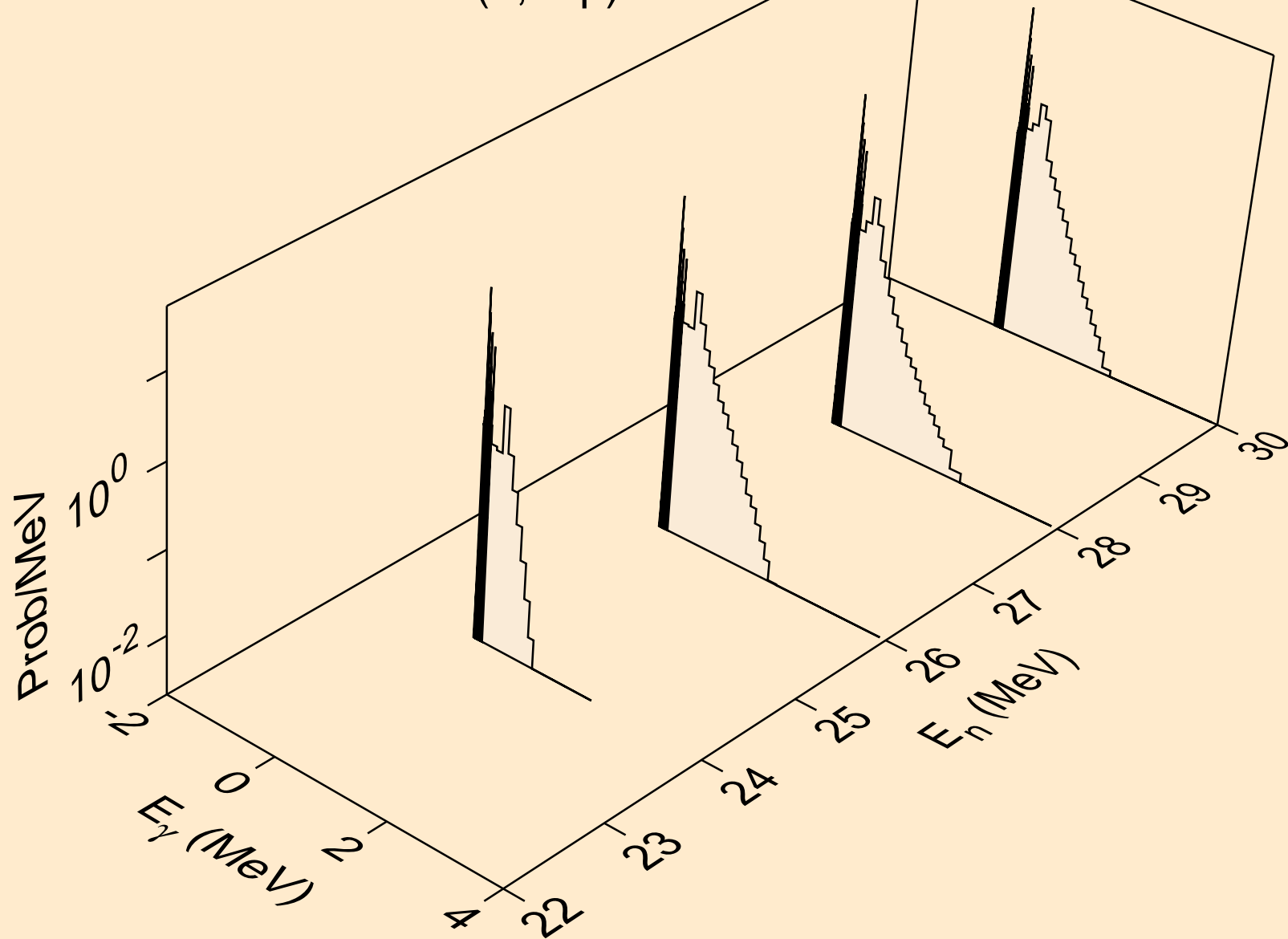
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Photon emission for (n,4n)



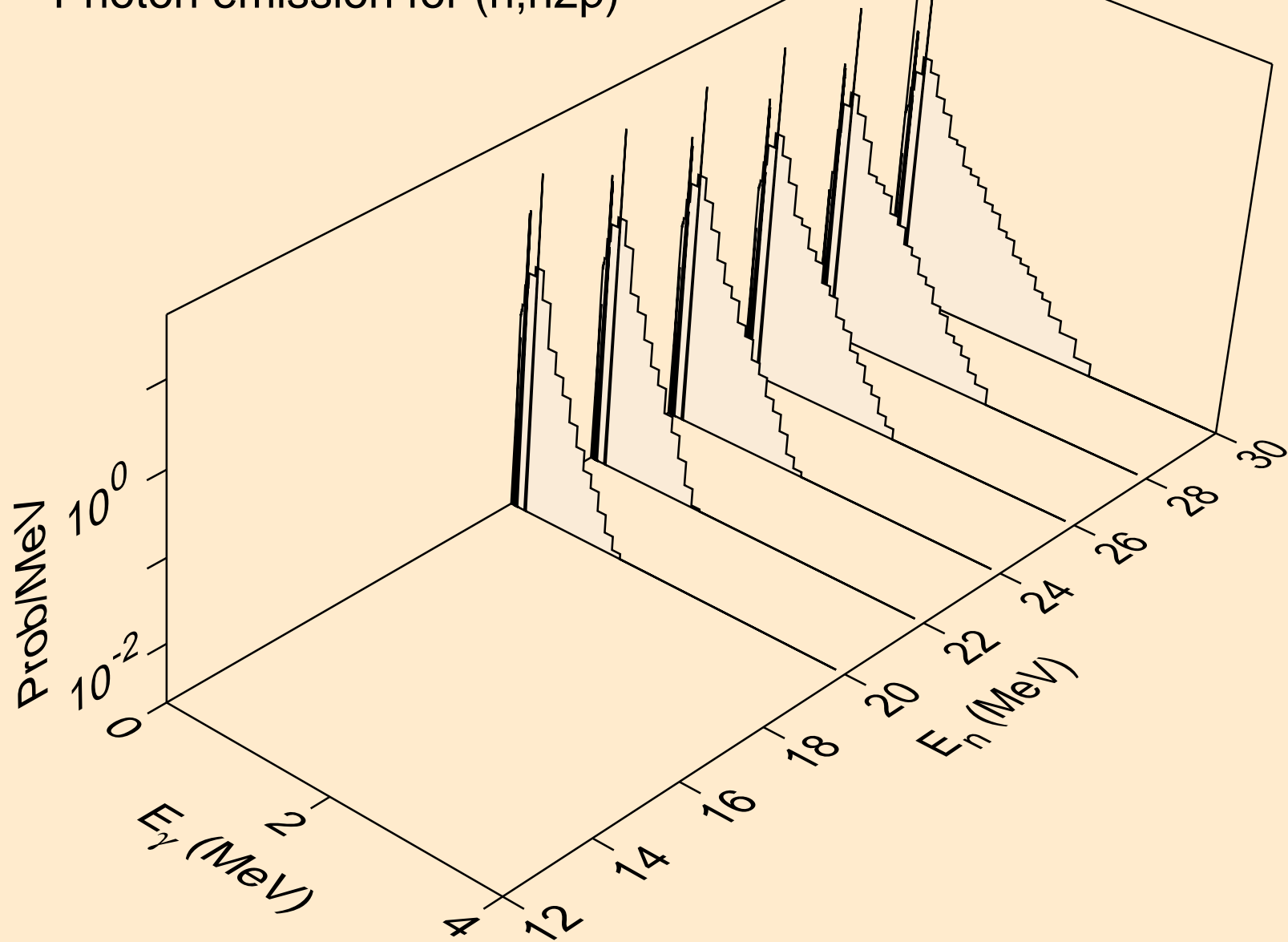
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Photon emission for (n,2np)



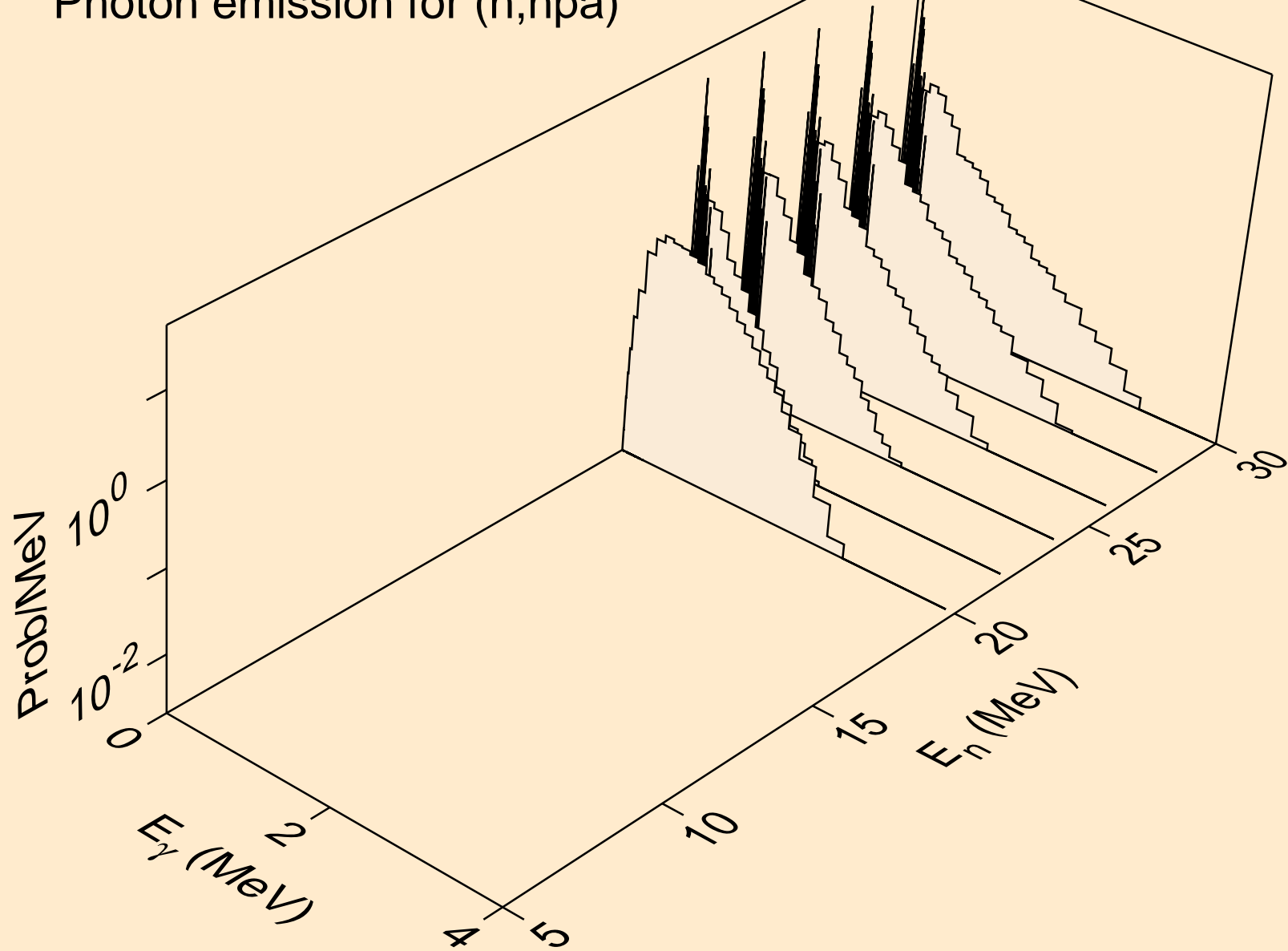
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Photon emission for (n,3np)



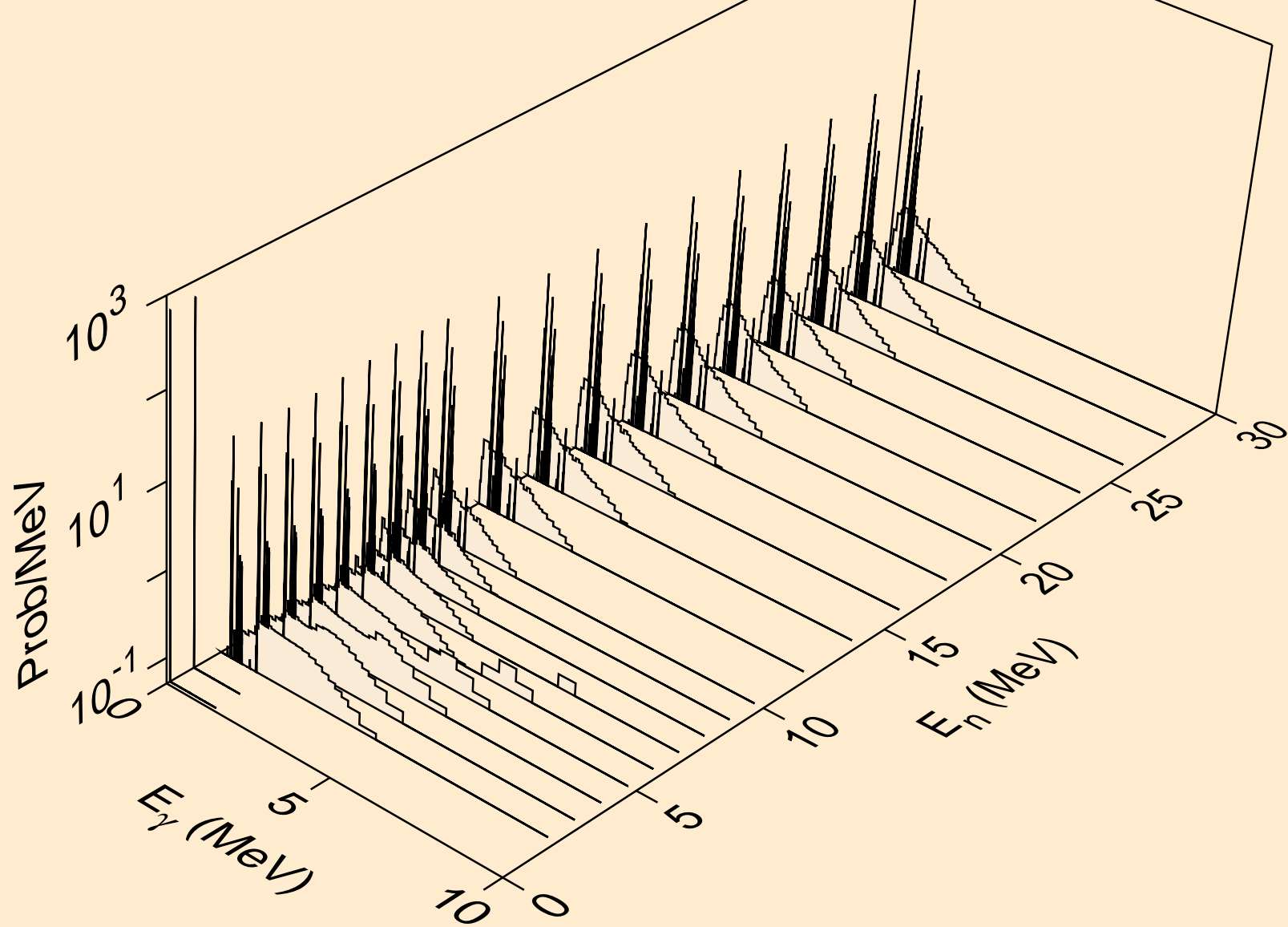
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Photon emission for (n,n2p)



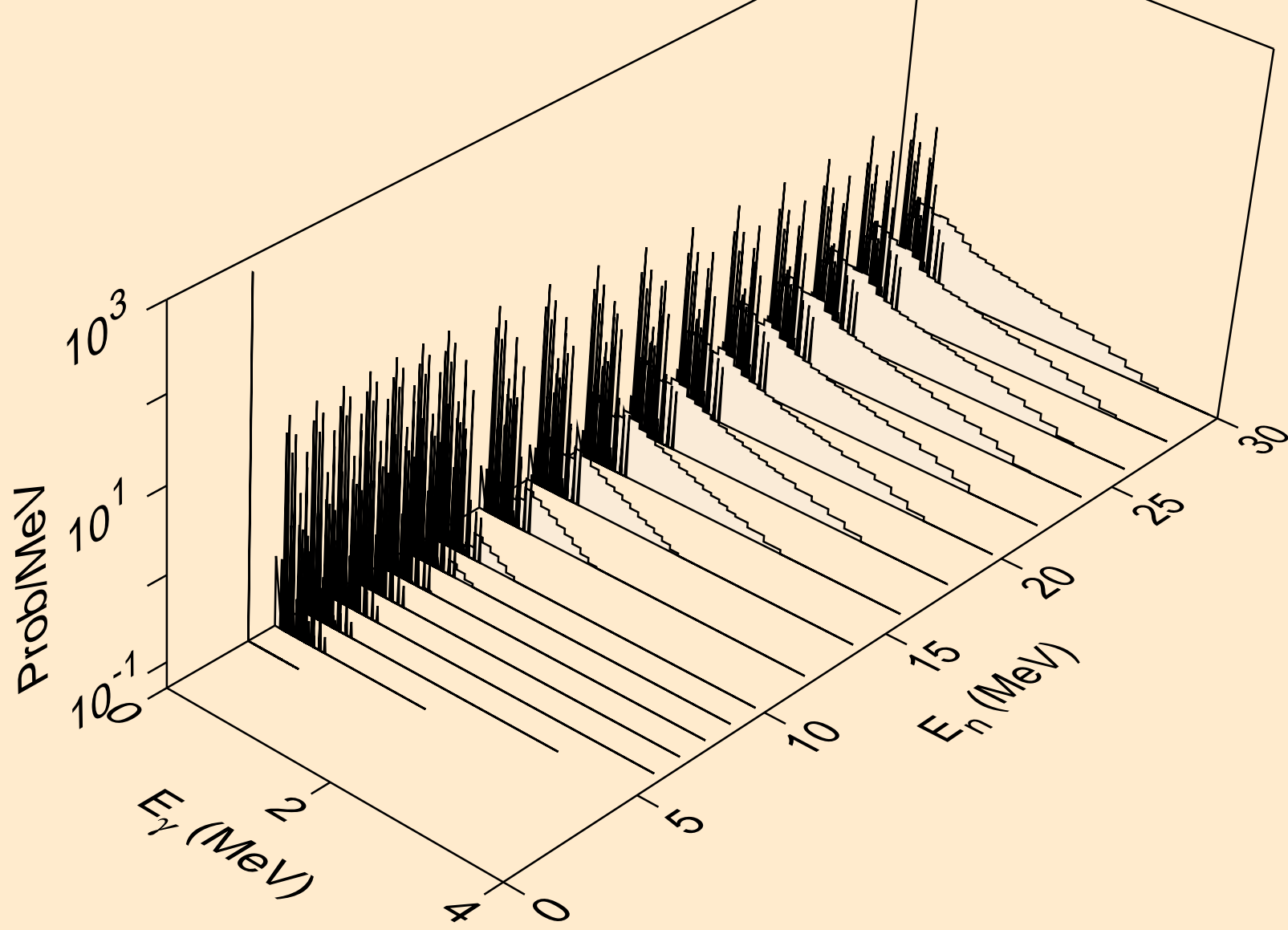
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Photon emission for (n,npa)



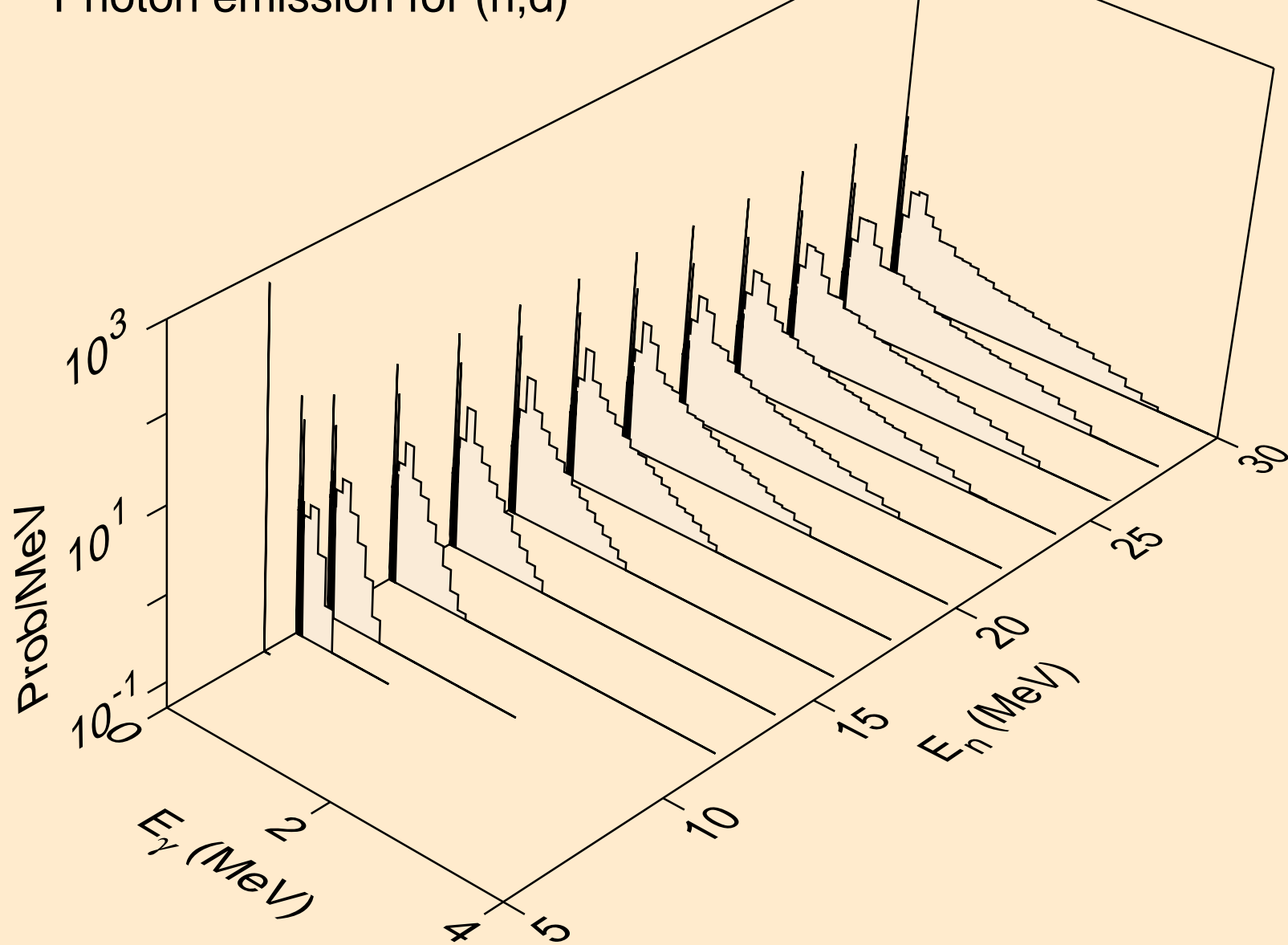
IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic

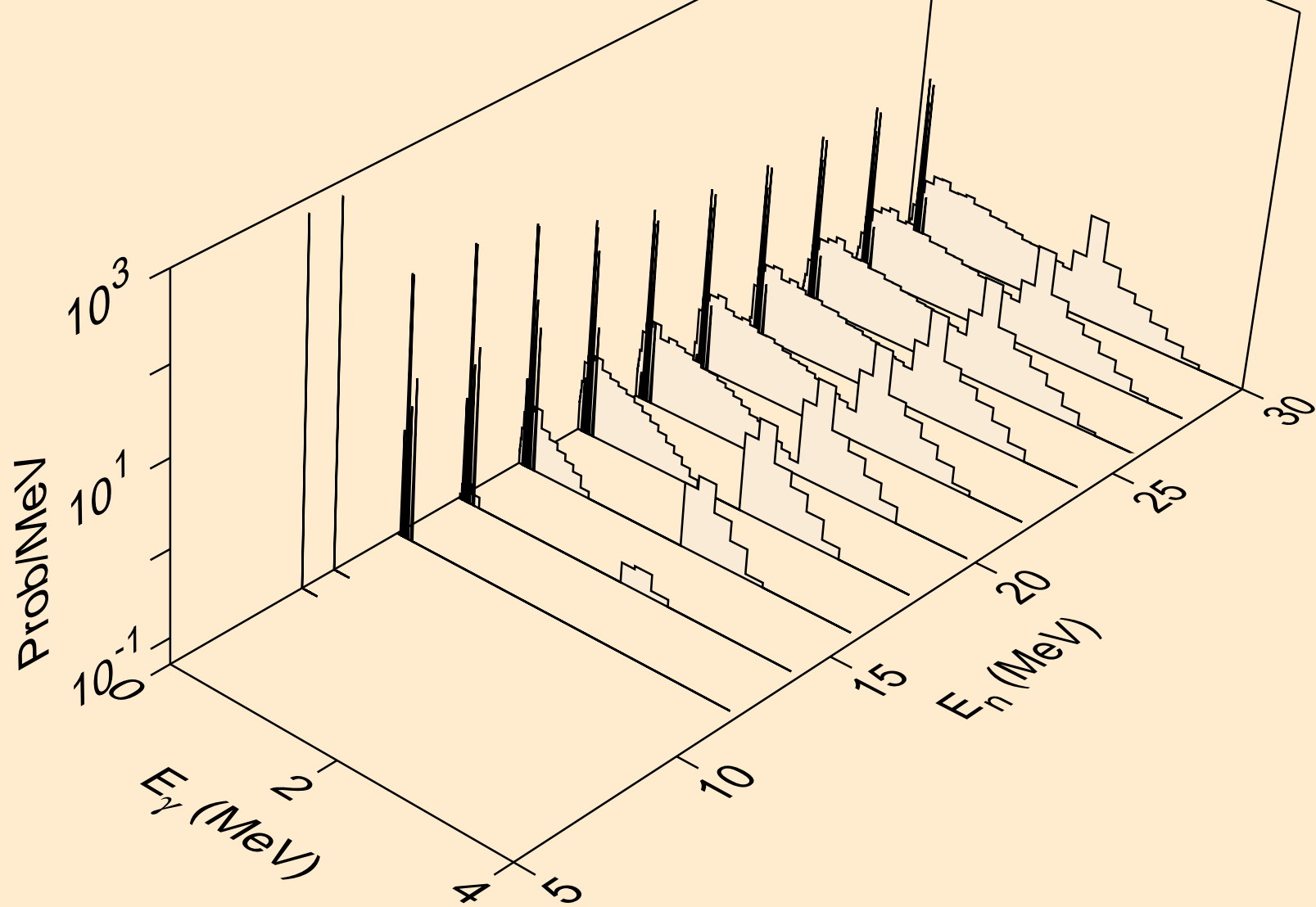


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Photon emission for (n,d)

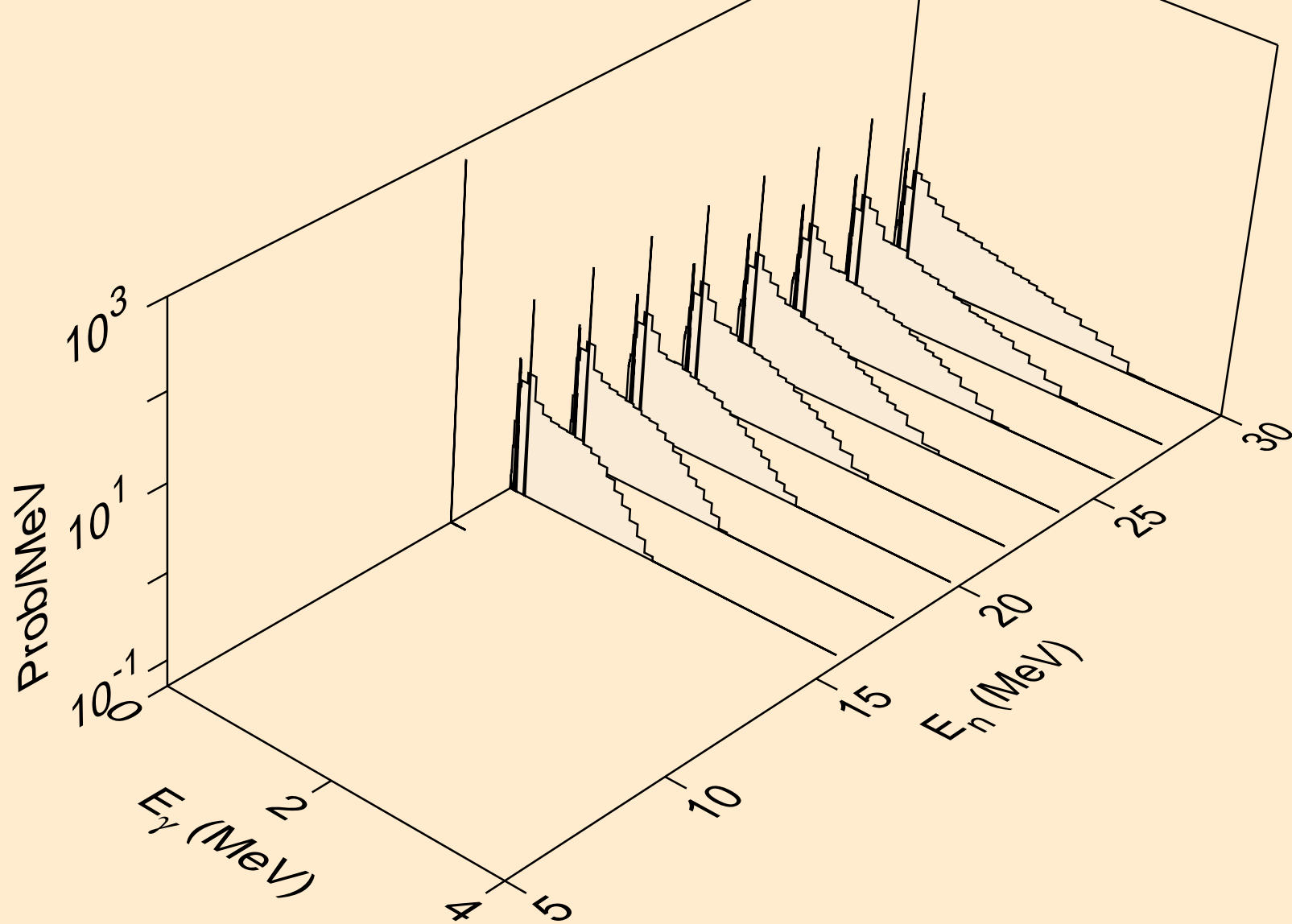




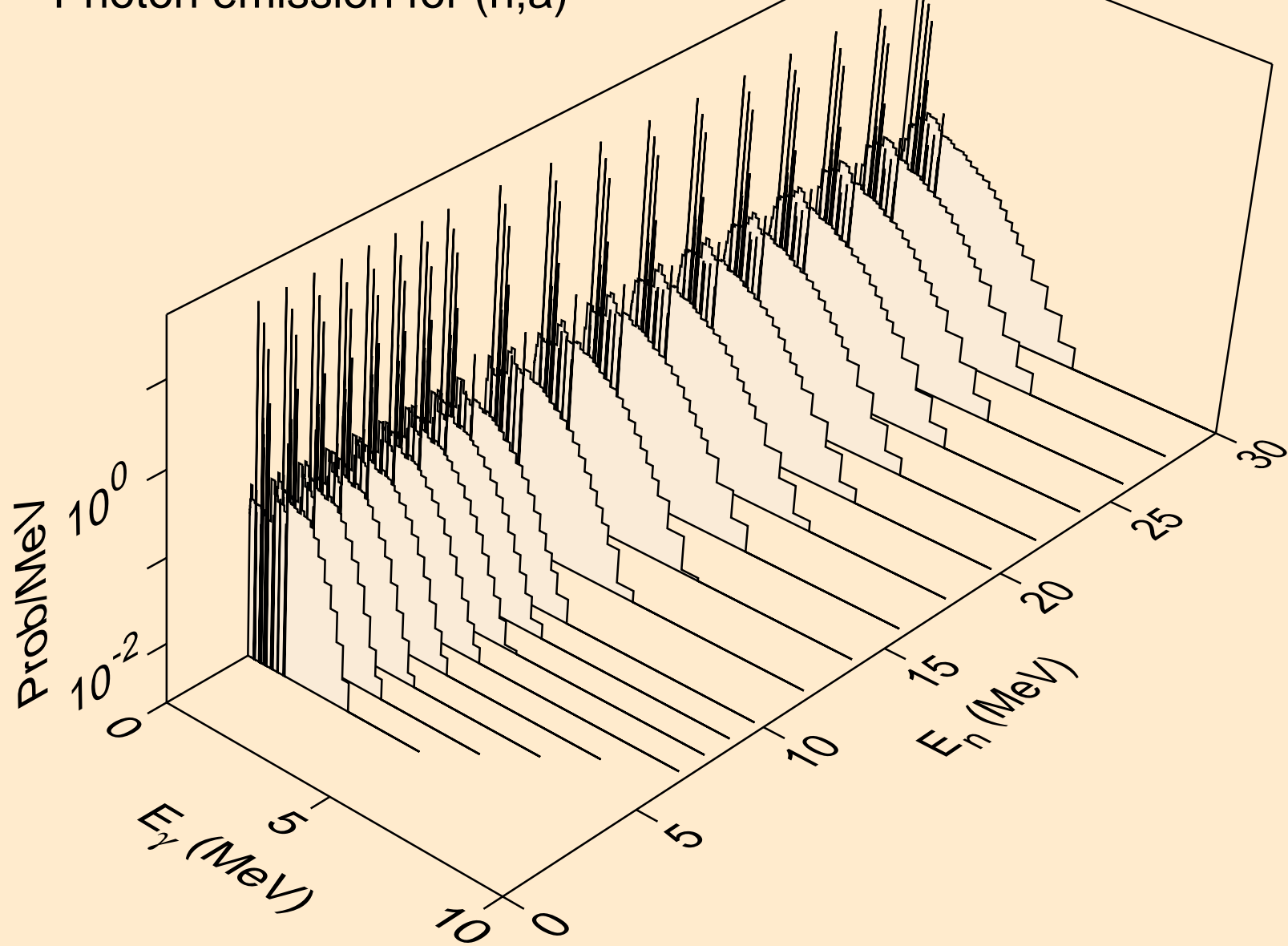
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Photon emission for (n,t)



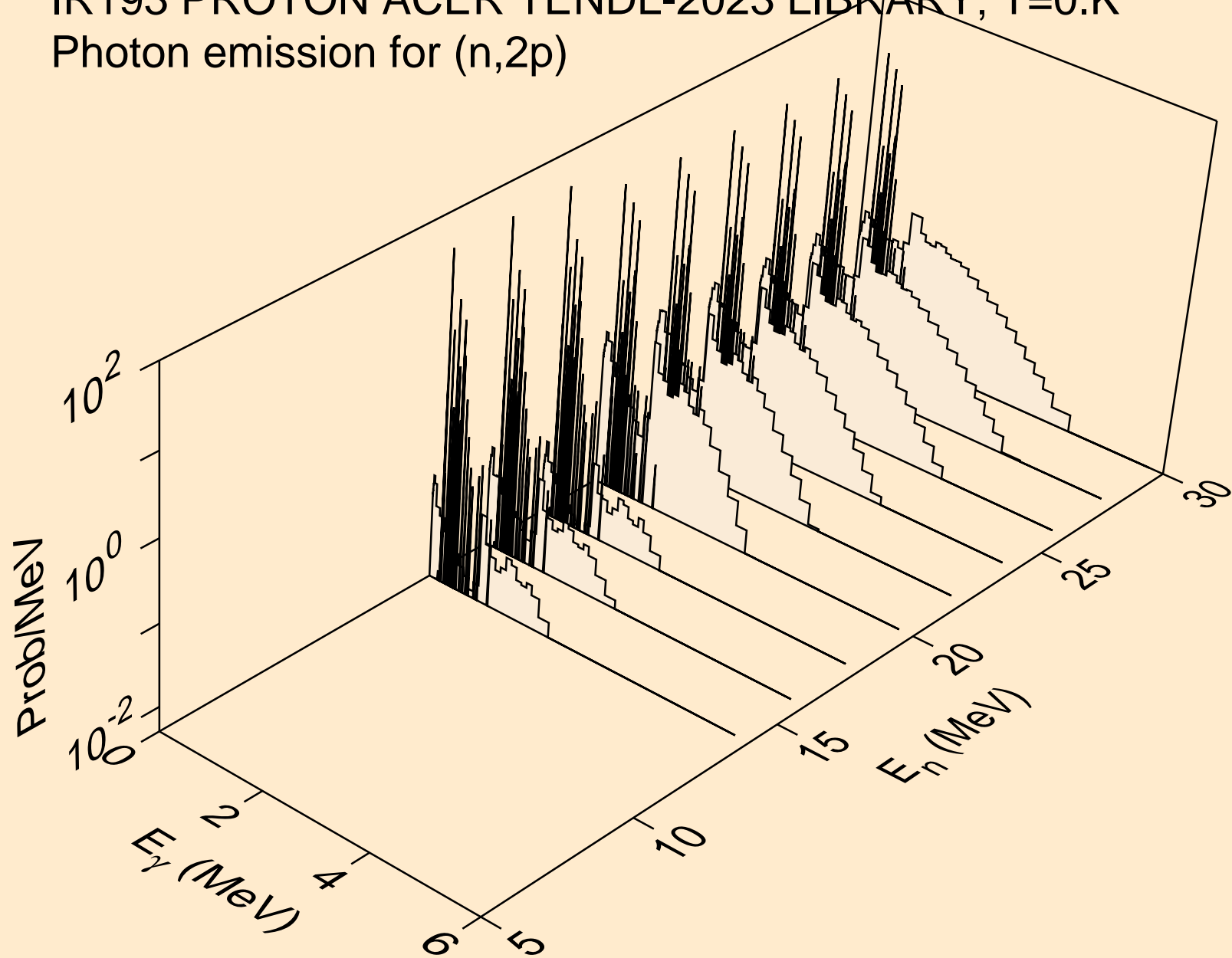
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Photon emission for (n,he3)



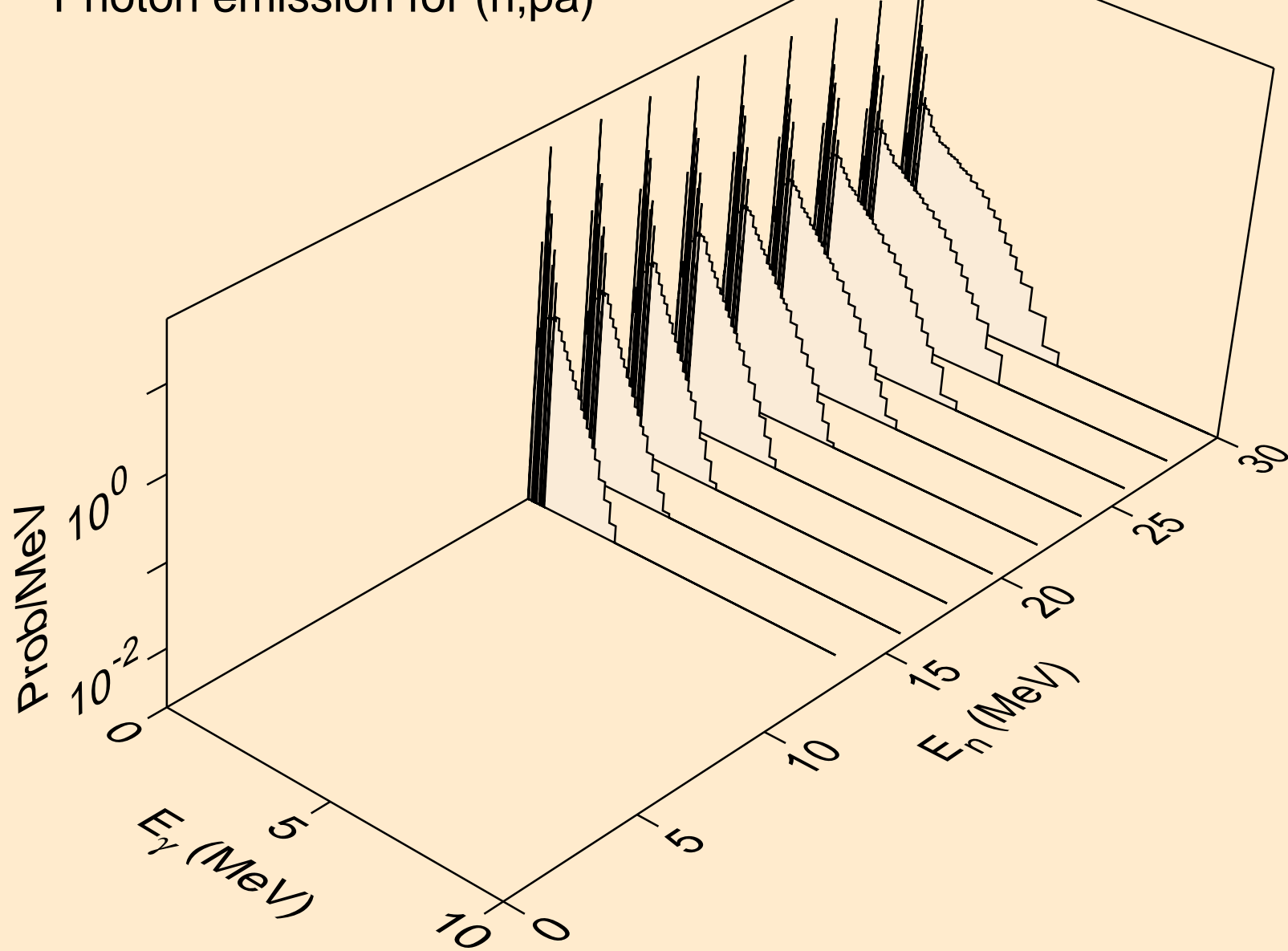
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Photon emission for (n,a)



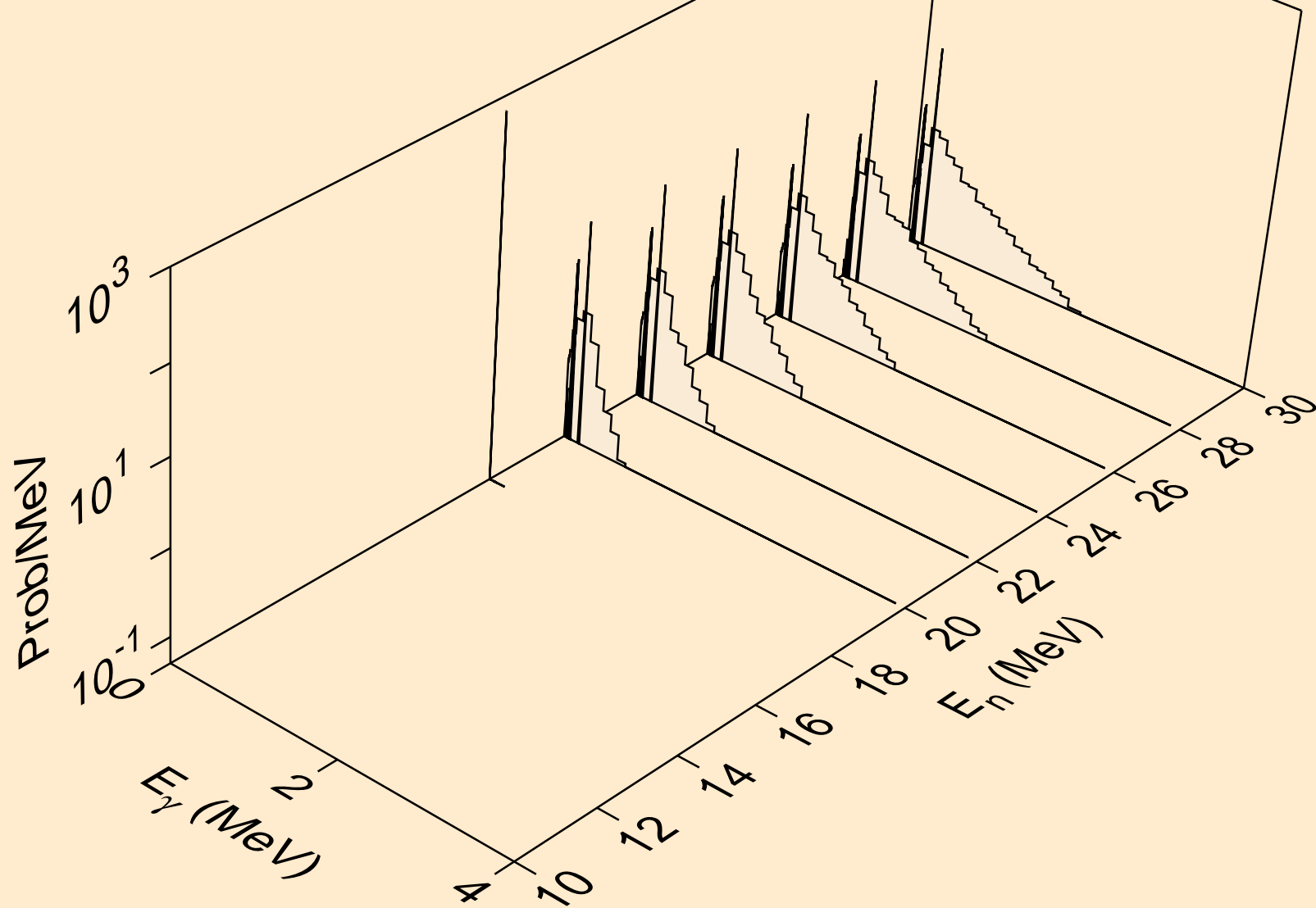
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Photon emission for (n,2p)



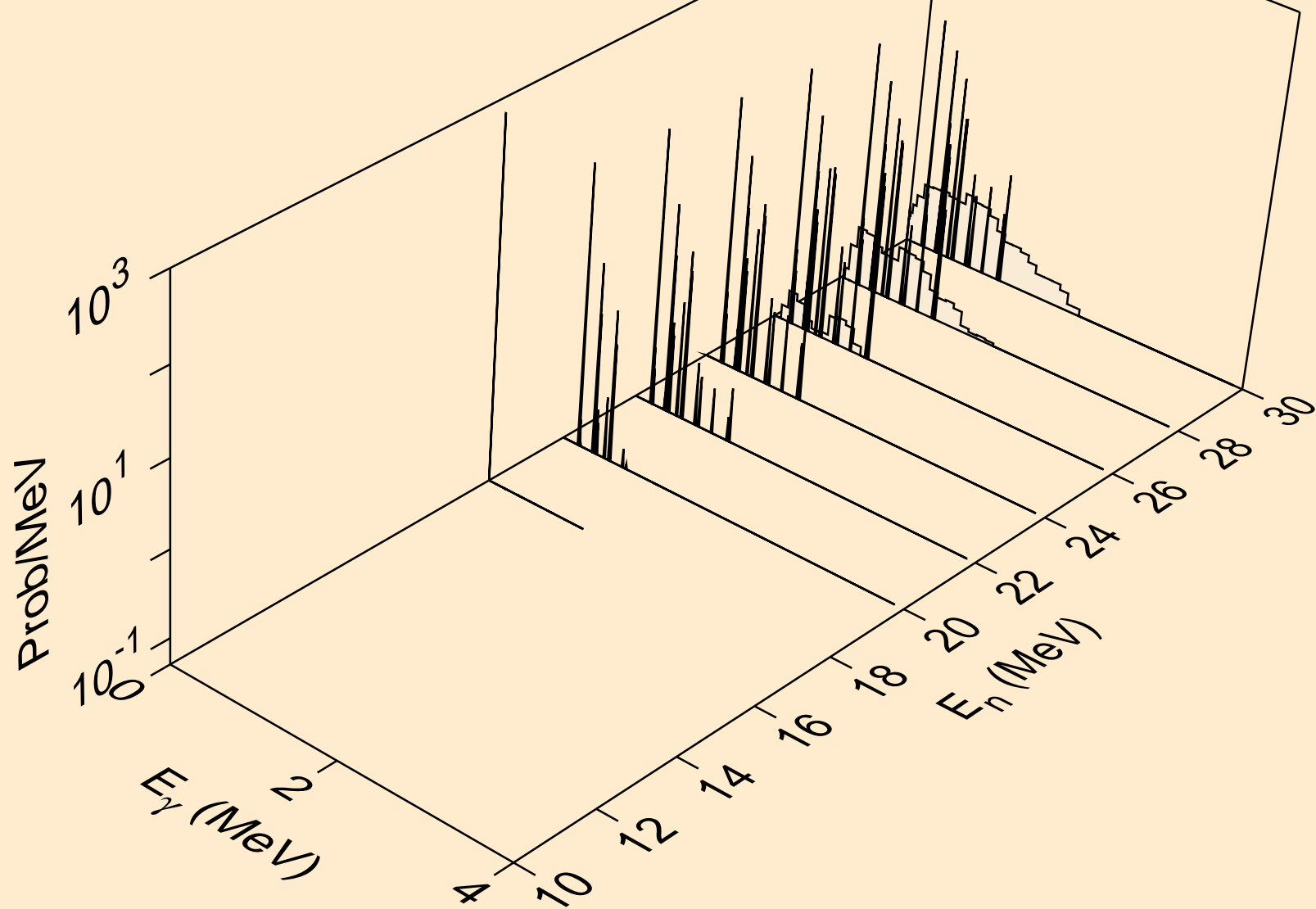
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Photon emission for (n,pa)



IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)

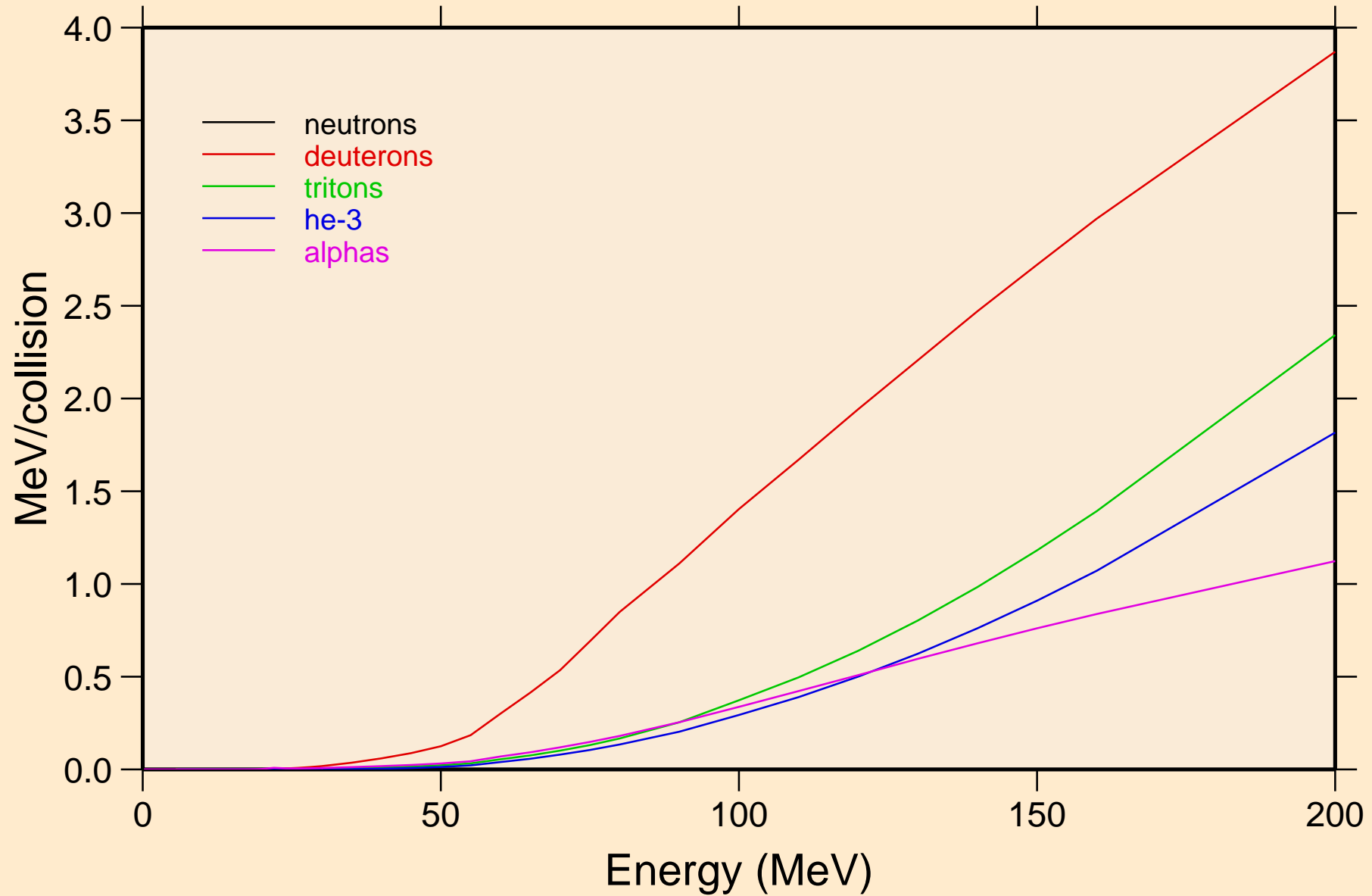


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Photon emission for (n,pt)



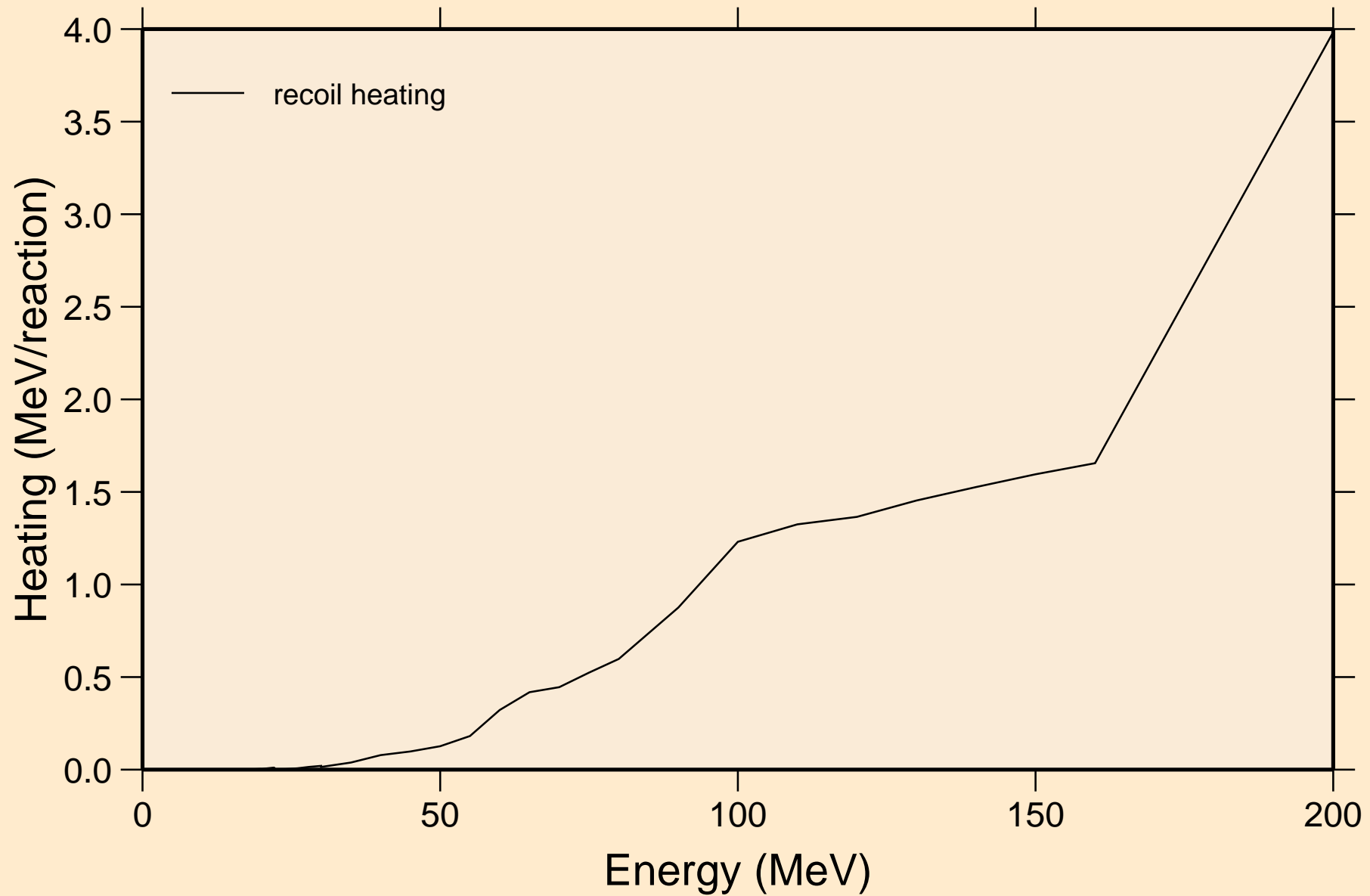
# IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Particle heating contributions

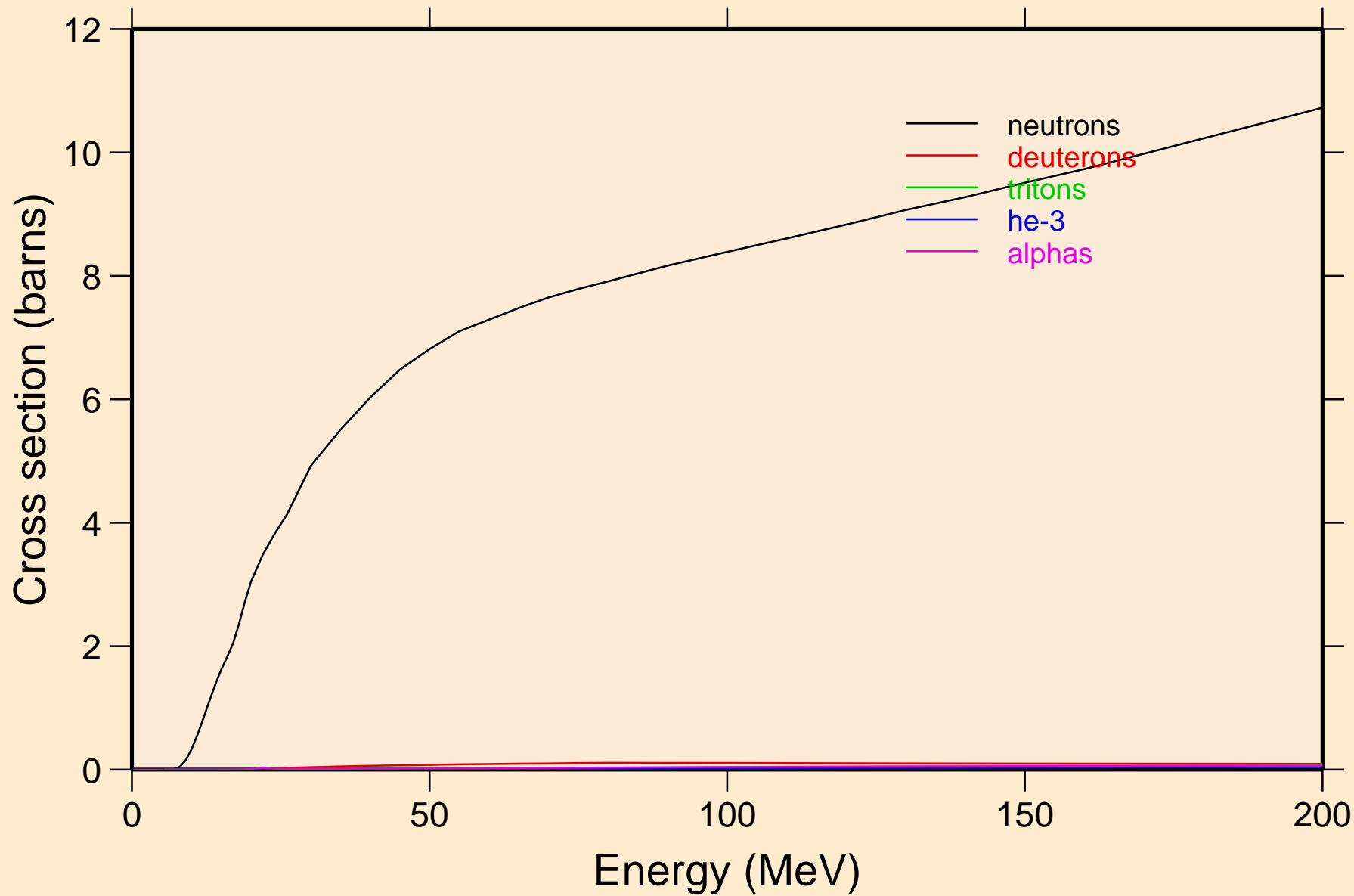




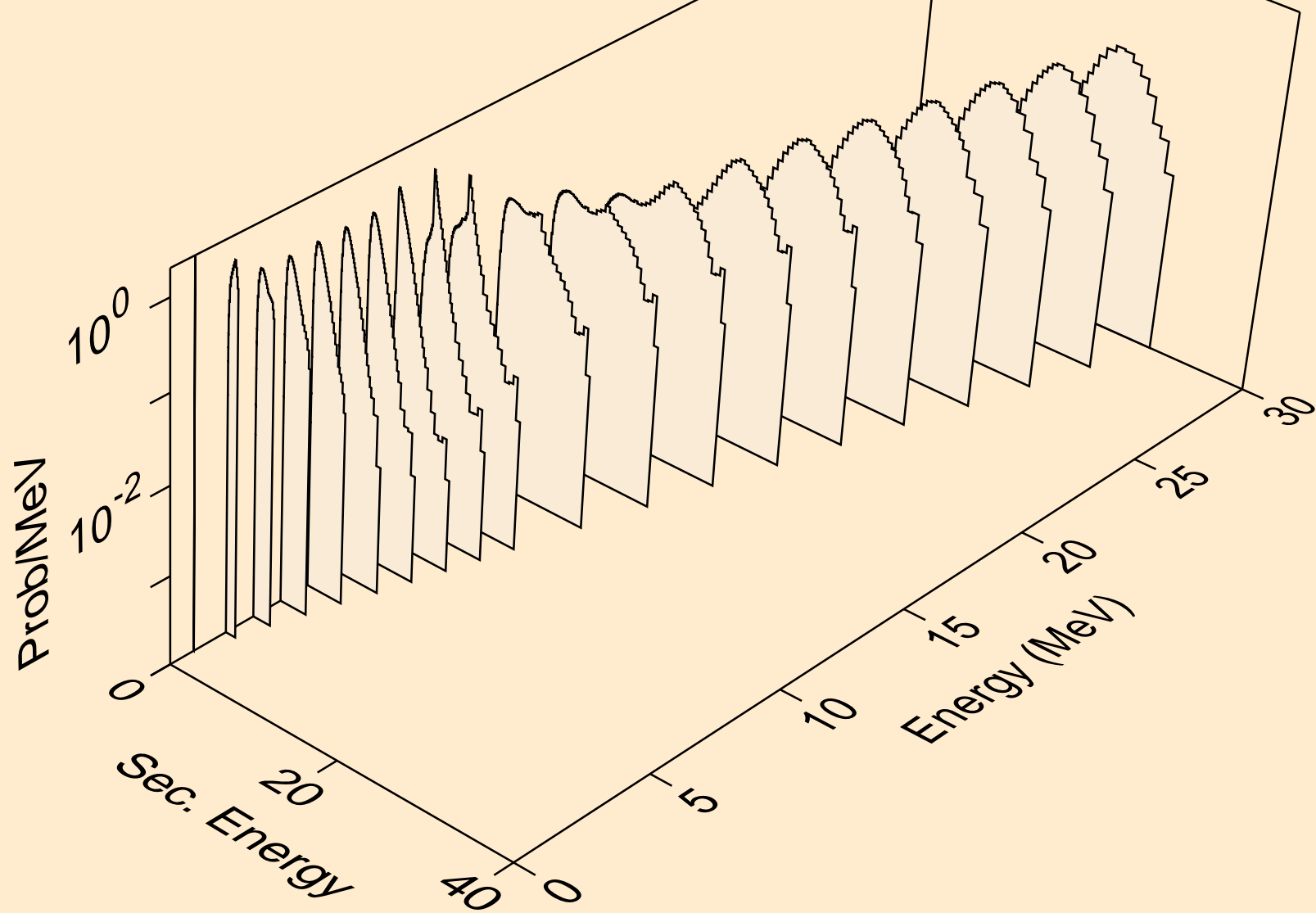
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Recoil Heating



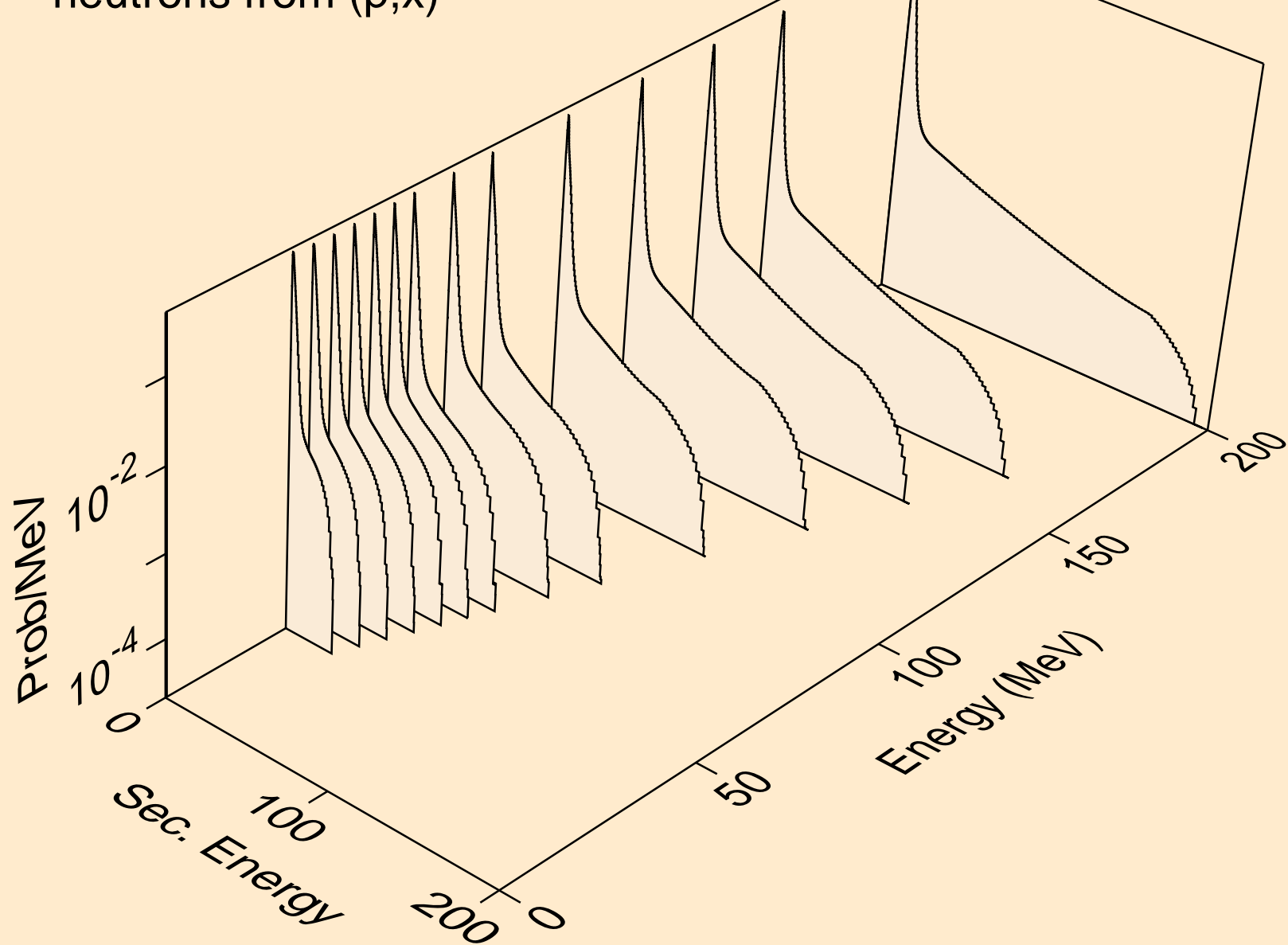
IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



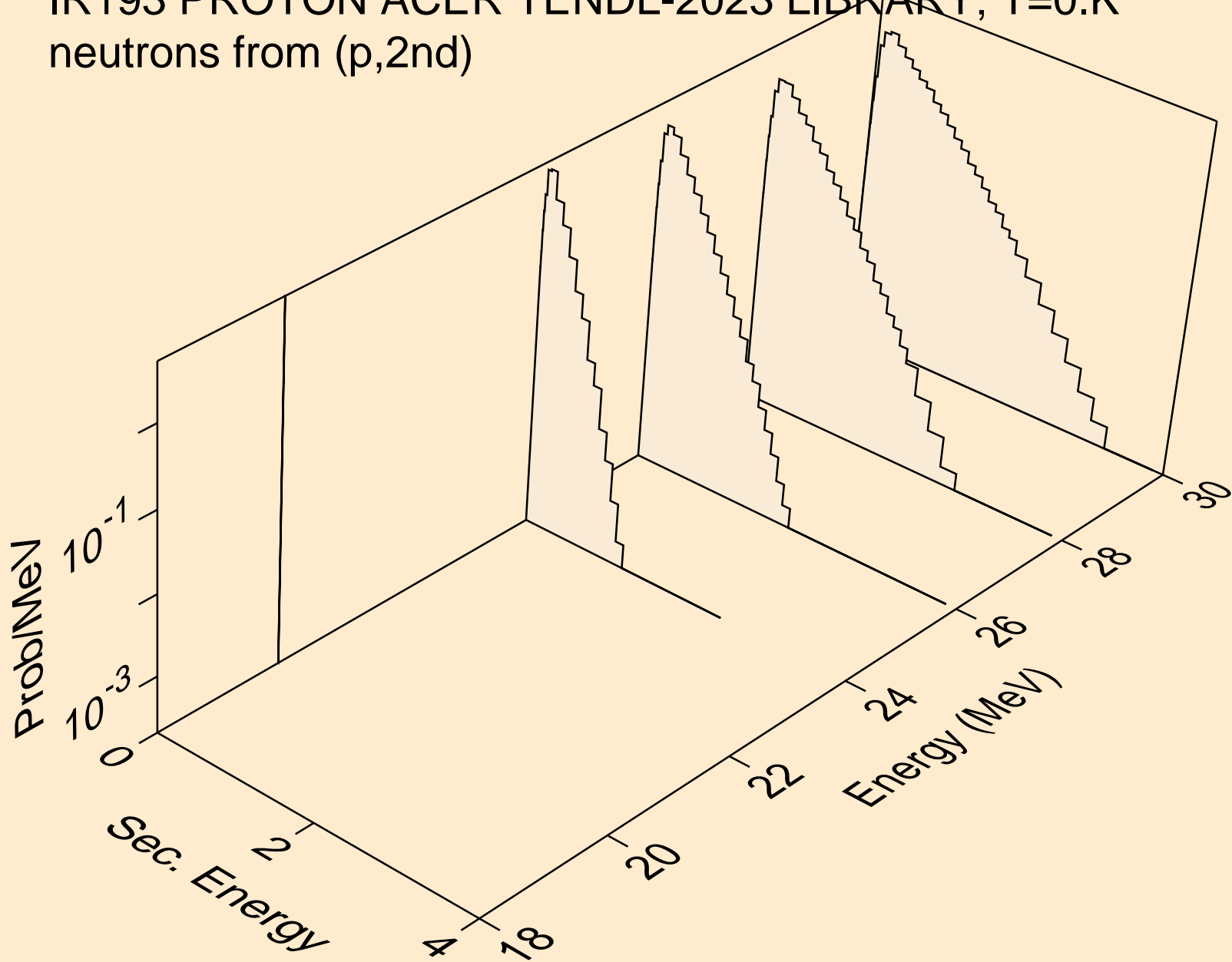
IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



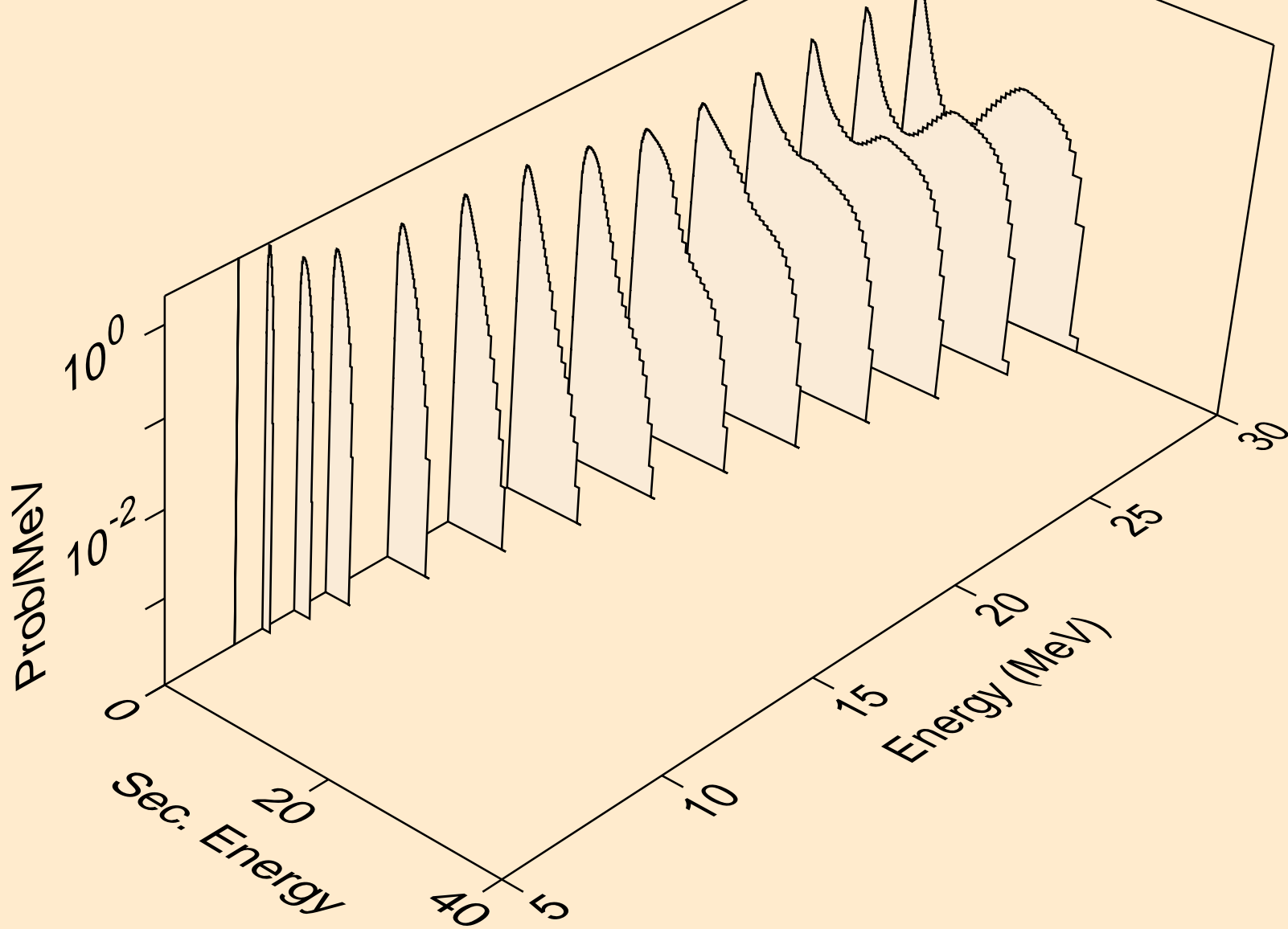
IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)



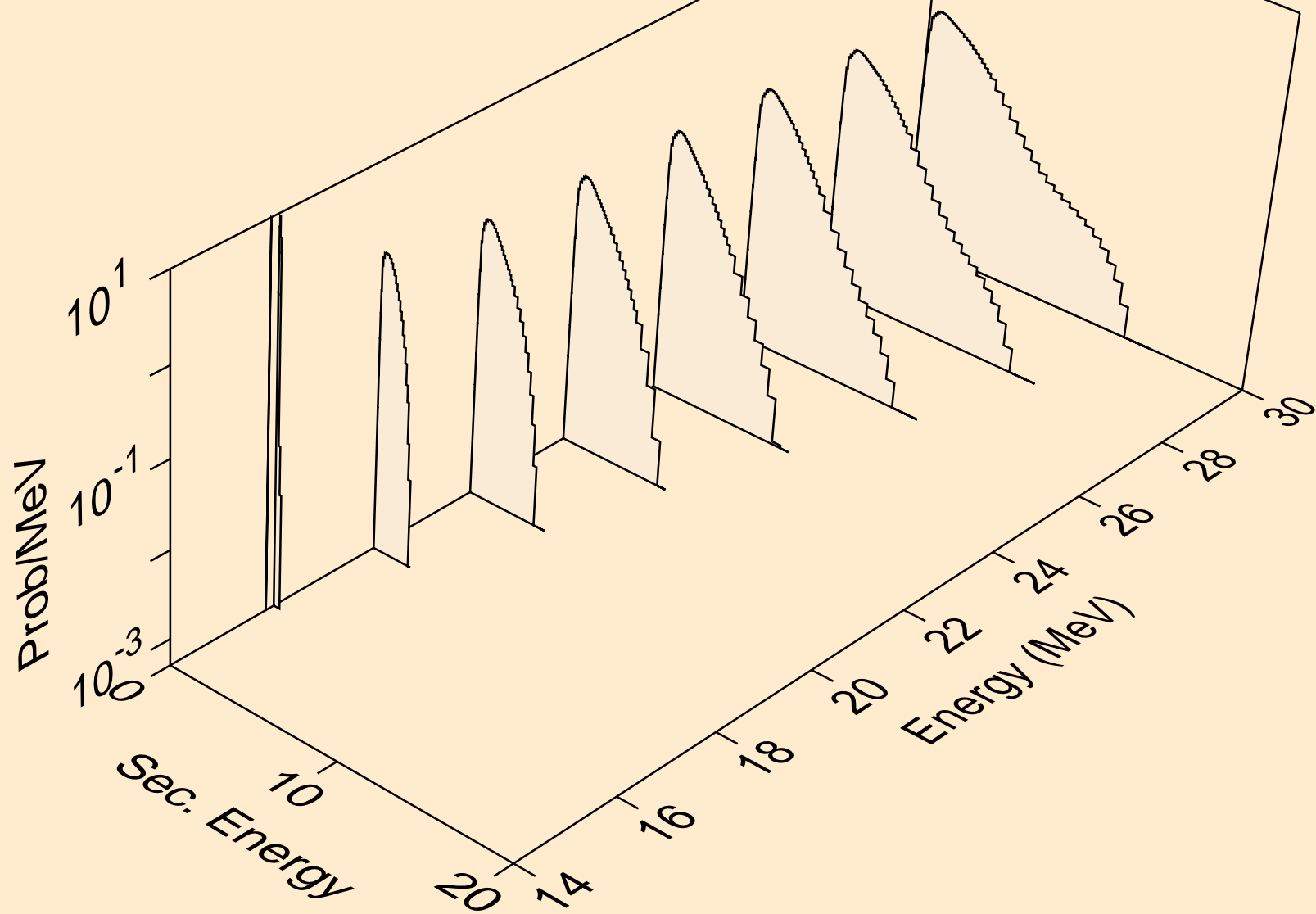
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neutrons from (p,2nd)



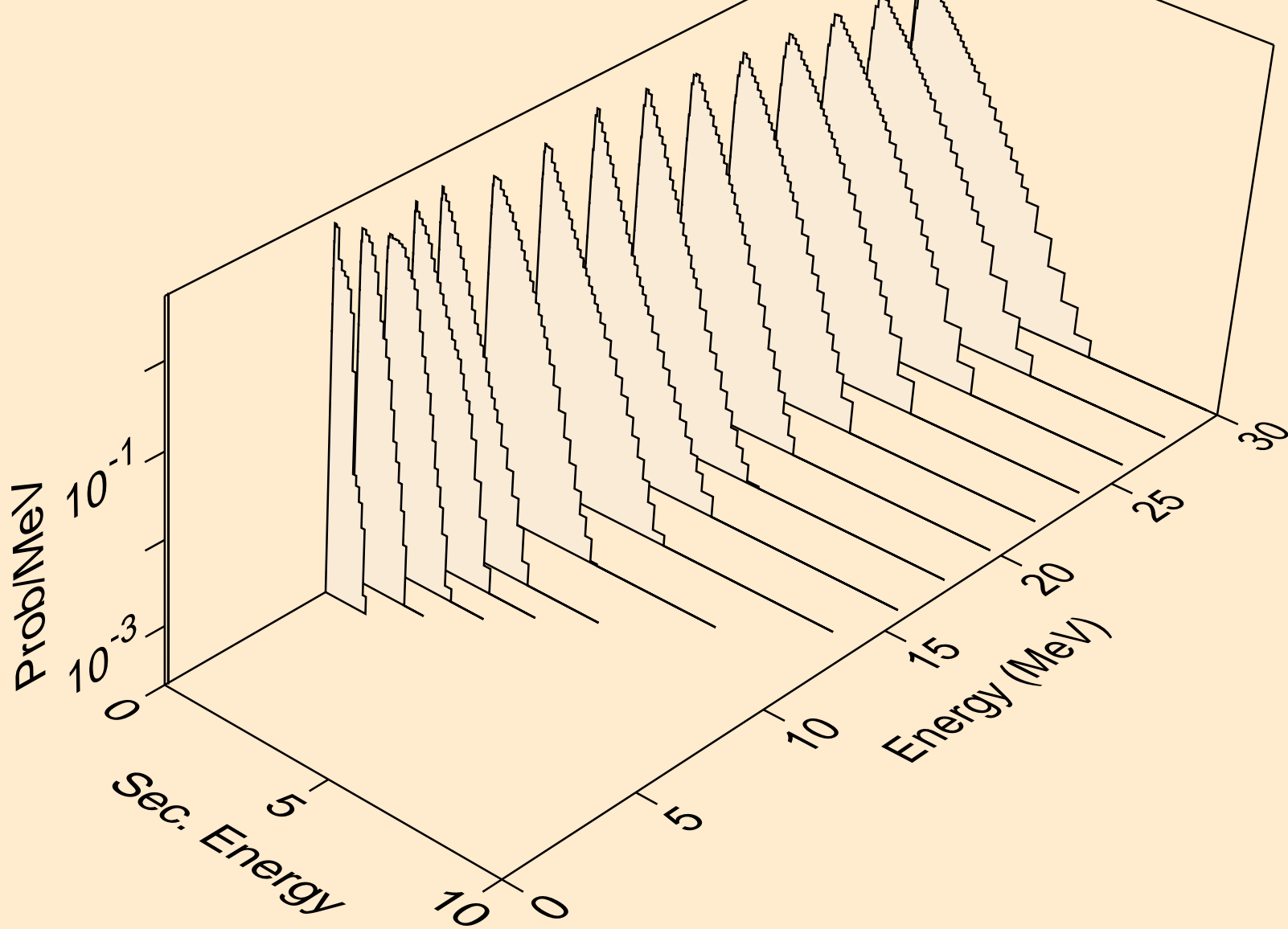
IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)



IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3n)

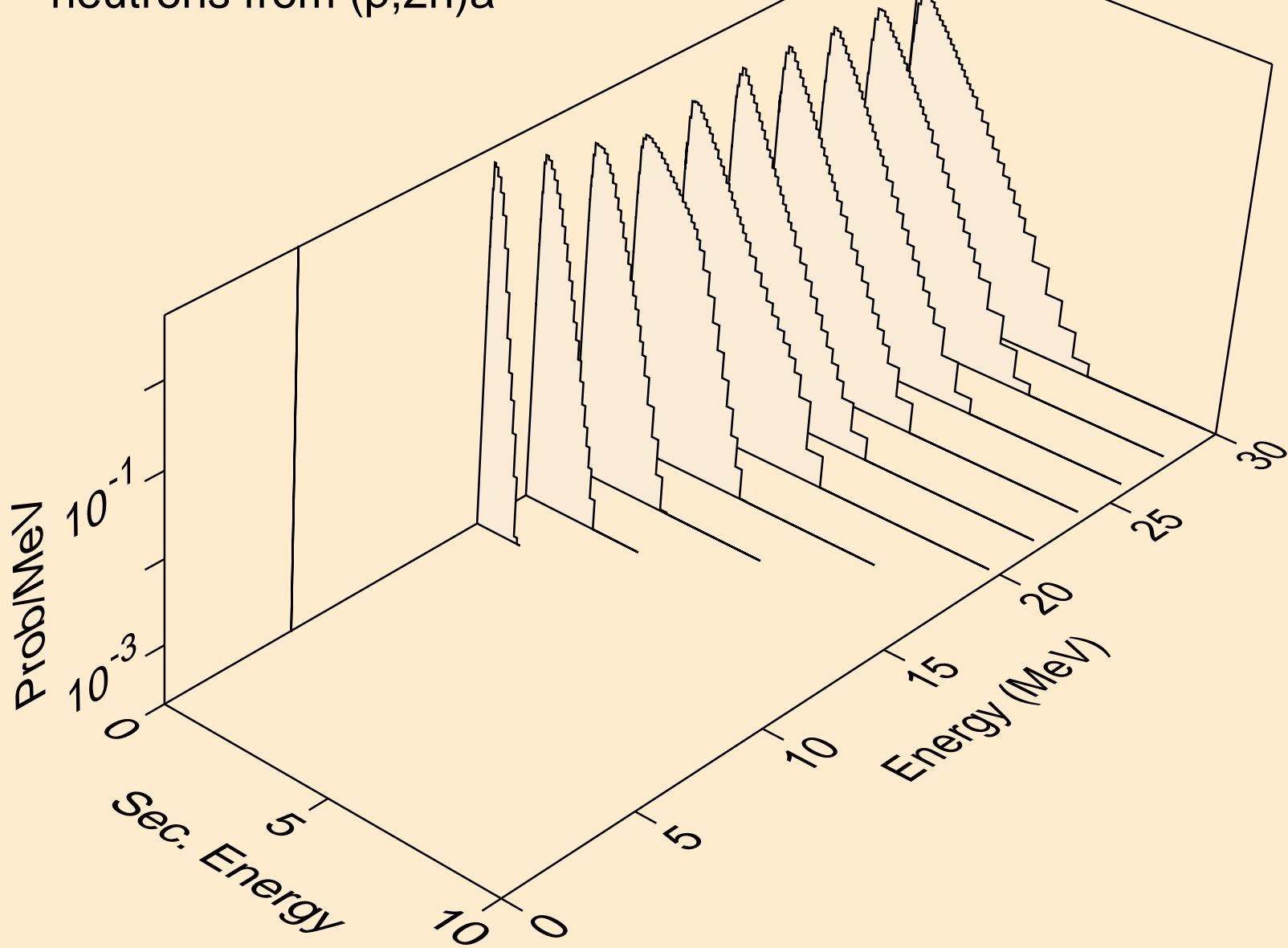


IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a

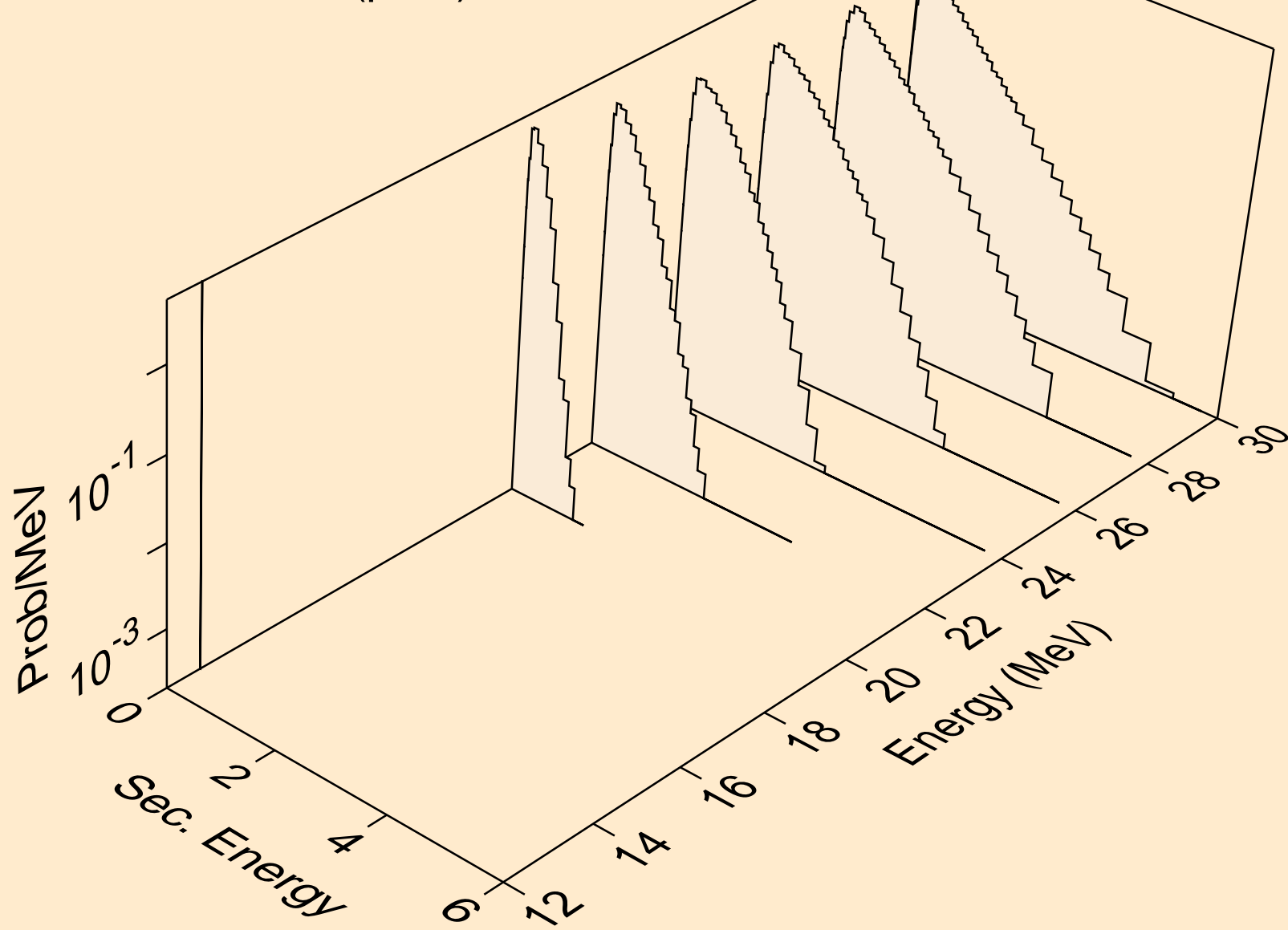




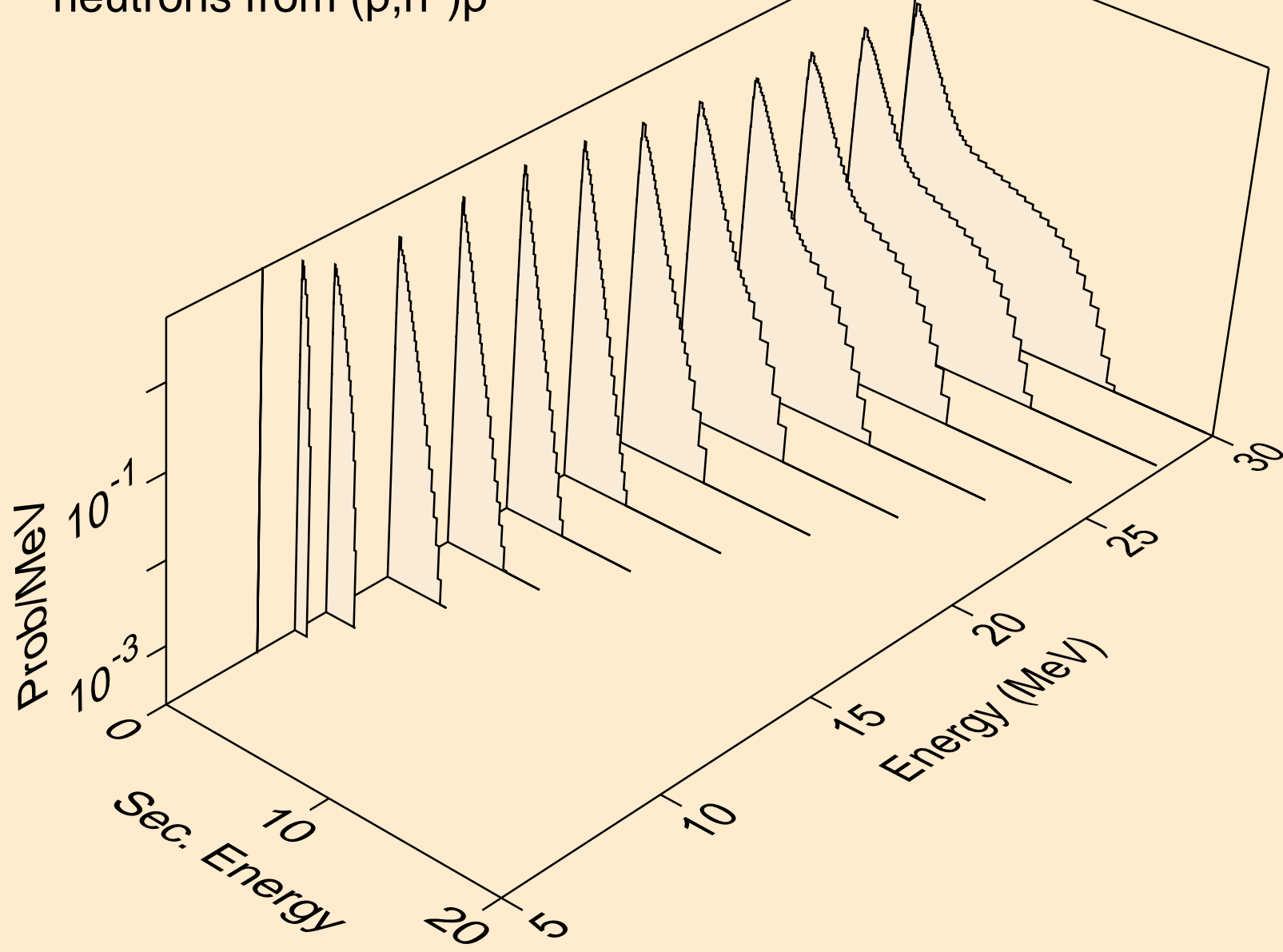
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neutrons from (p,2n)a



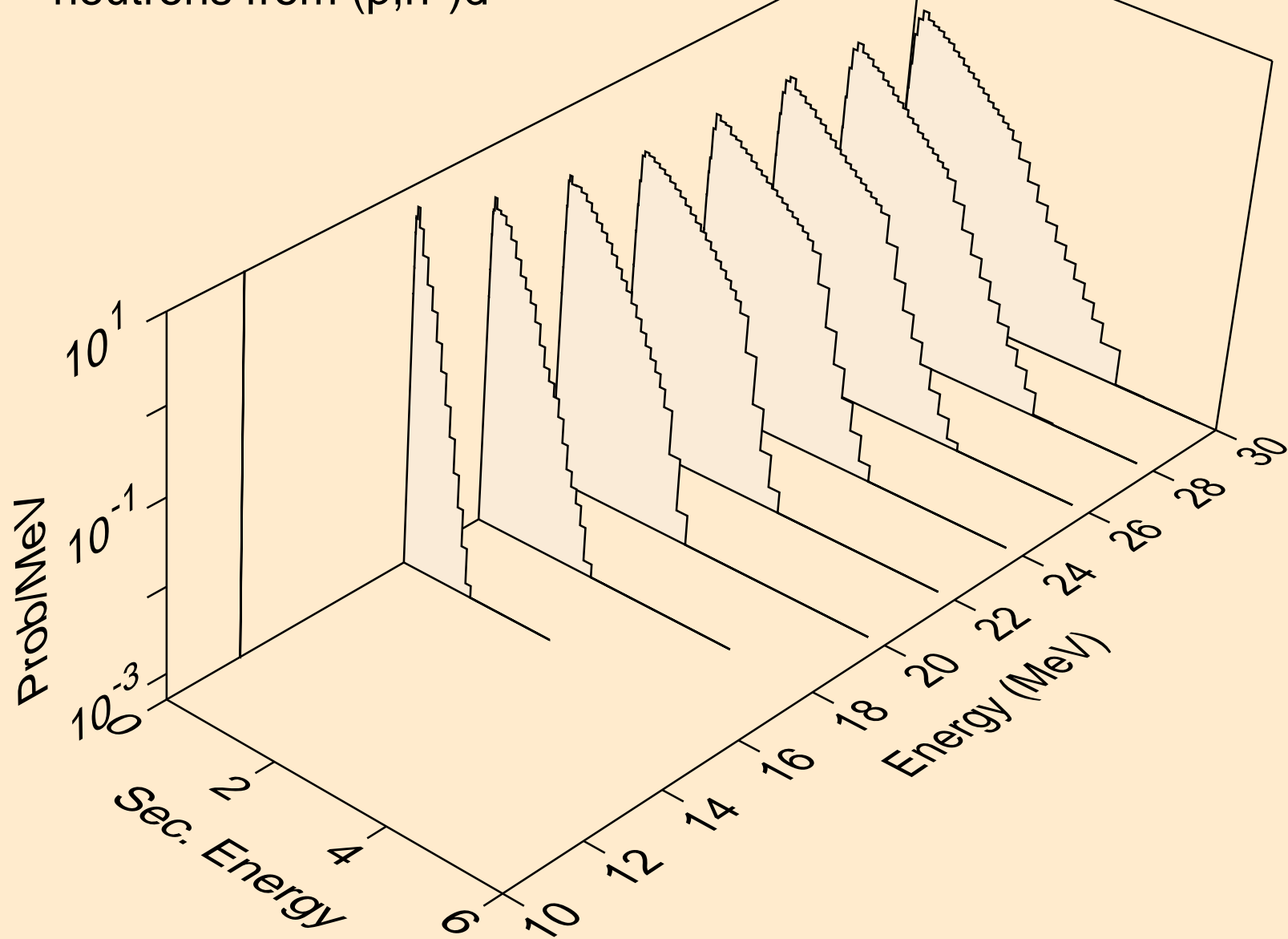
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neutrons from (p,3n)a



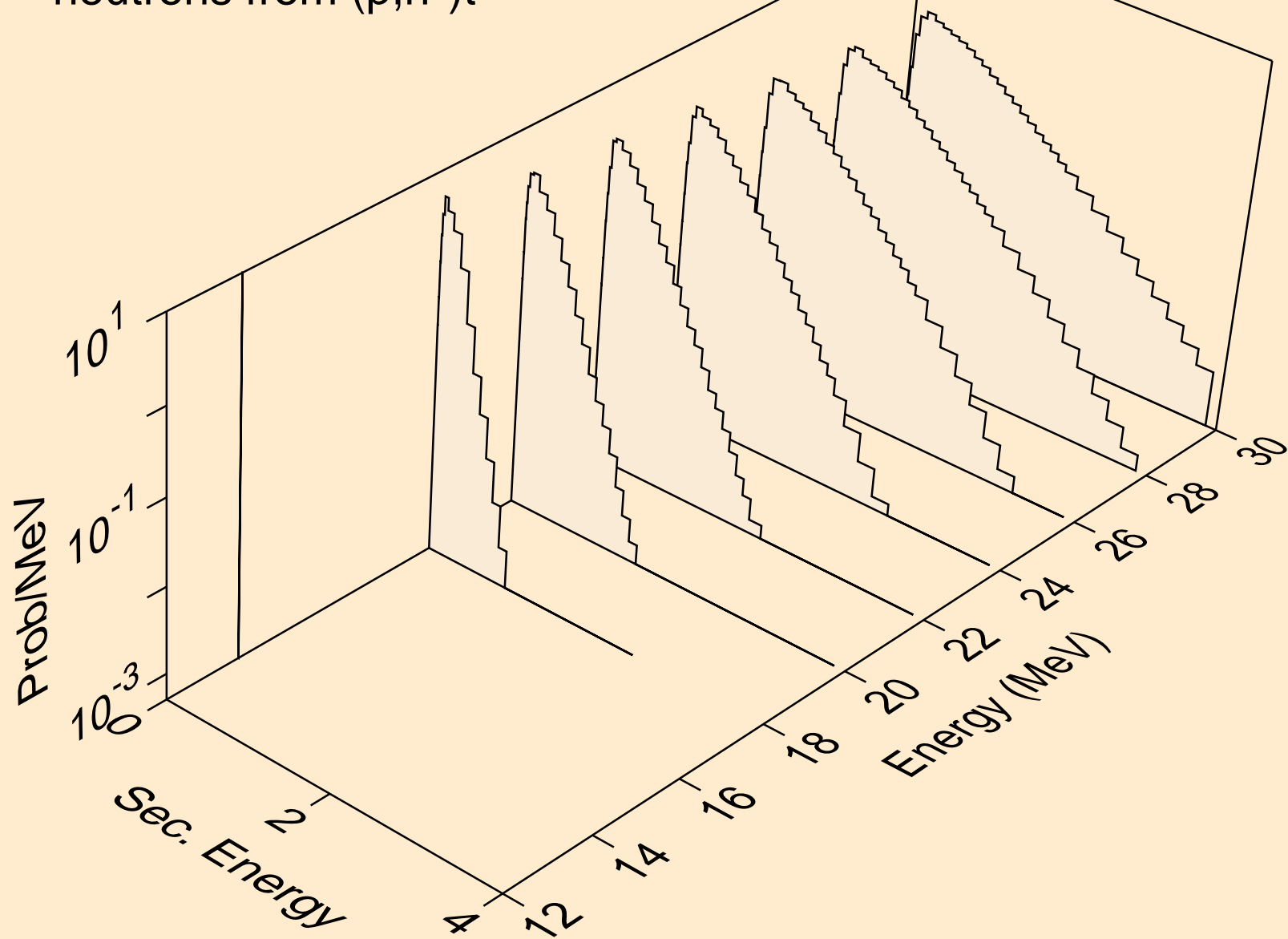
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neutrons from (p,n\*)p



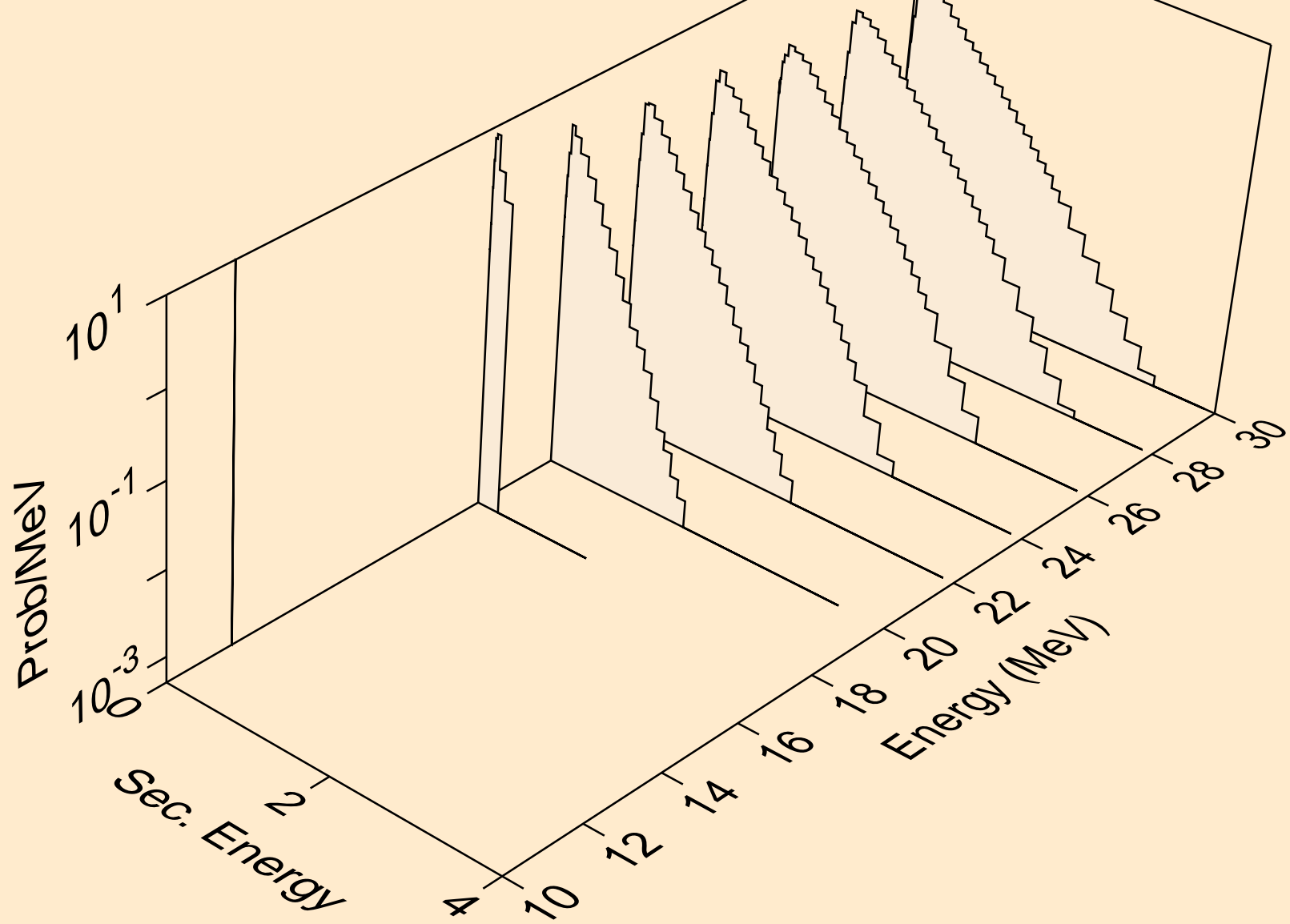
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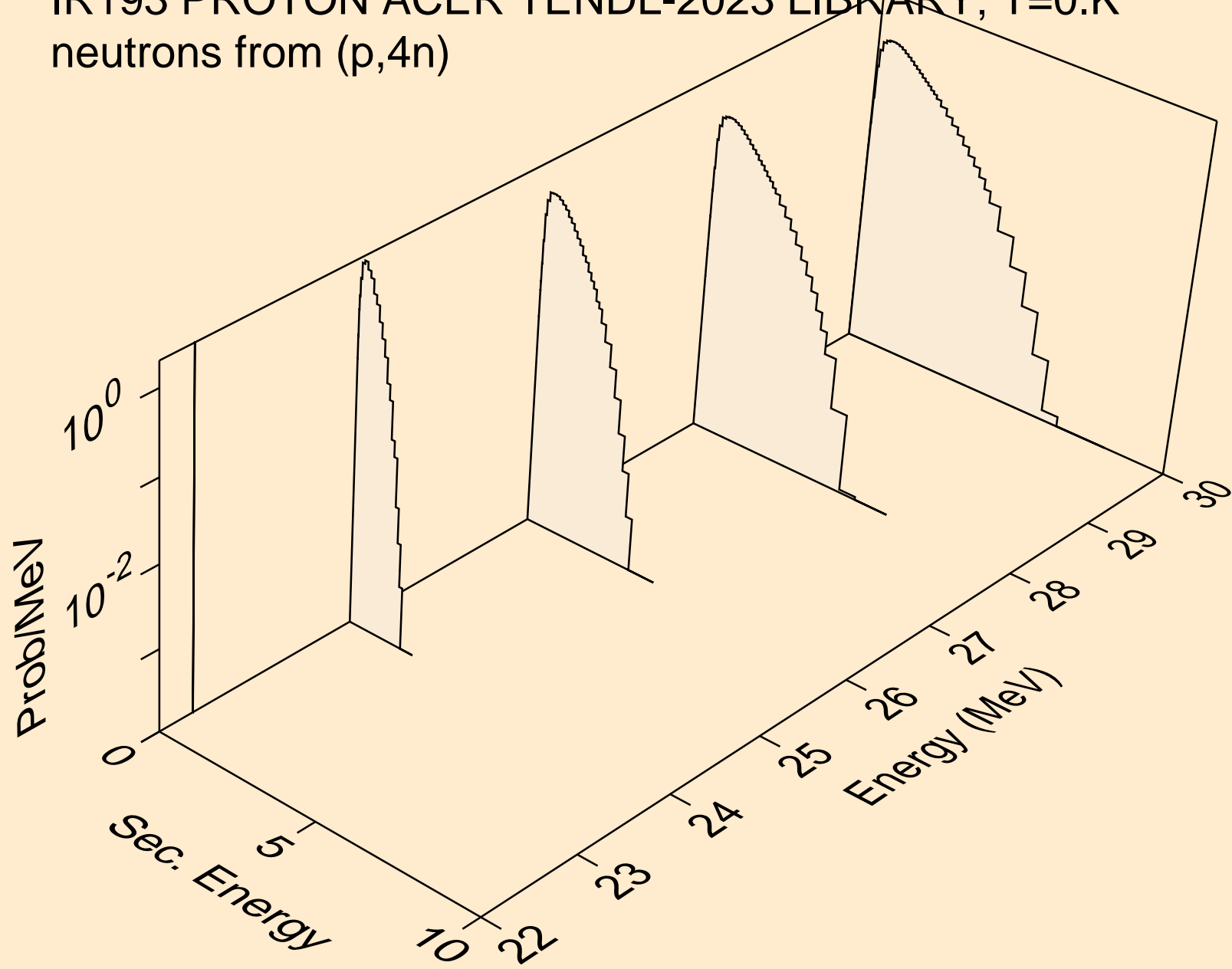
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neutrons from (p,n\*)t



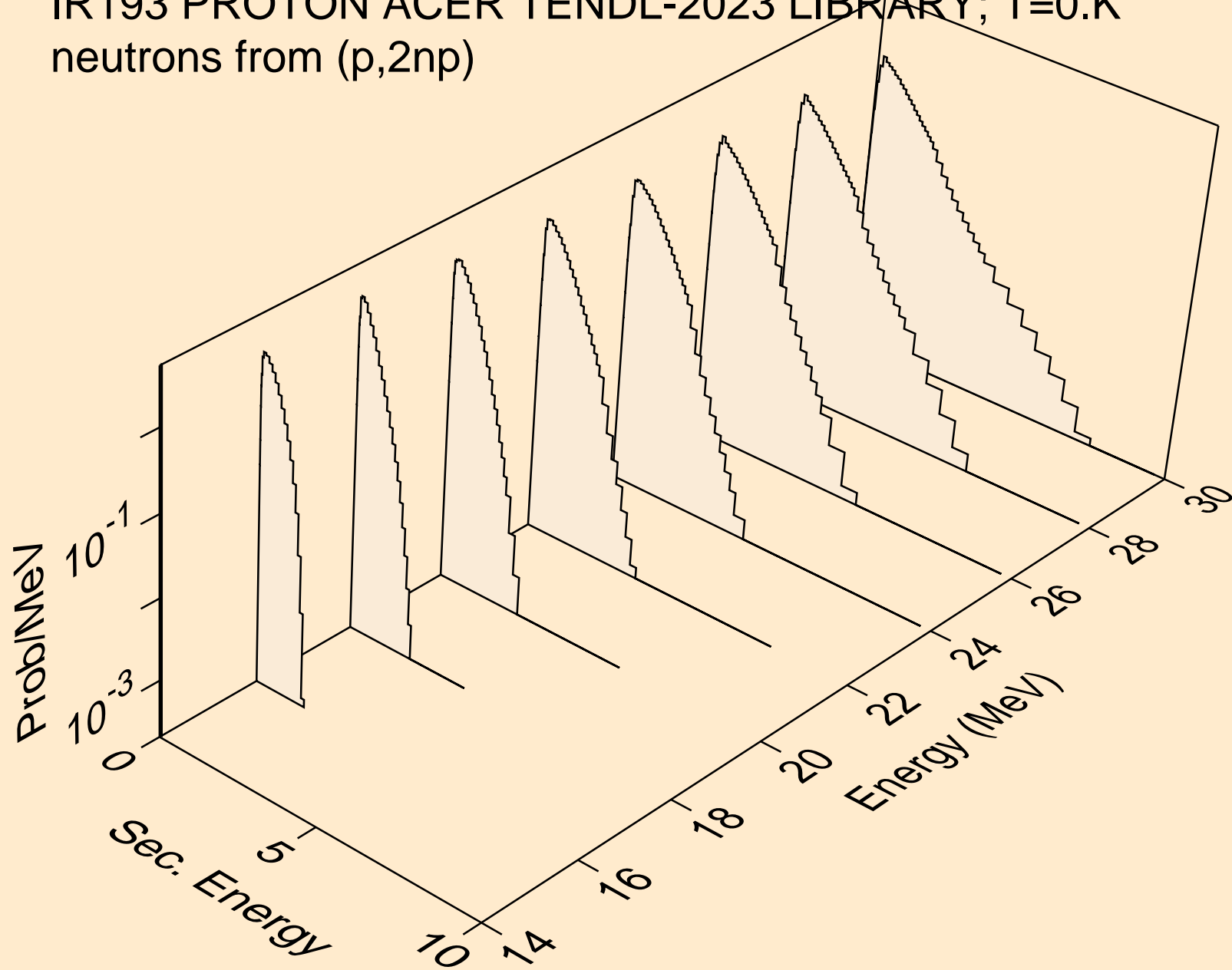
IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,4n)

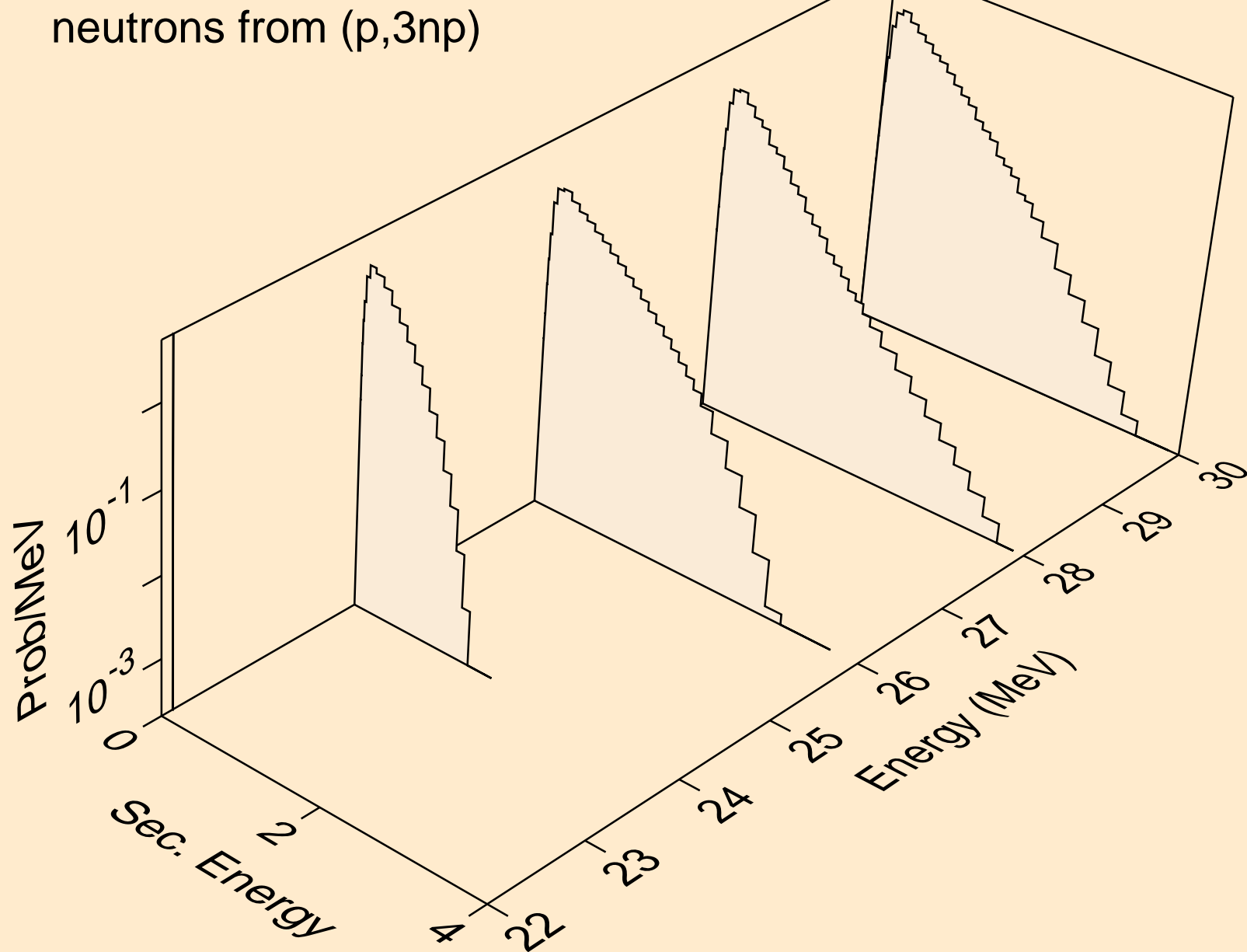


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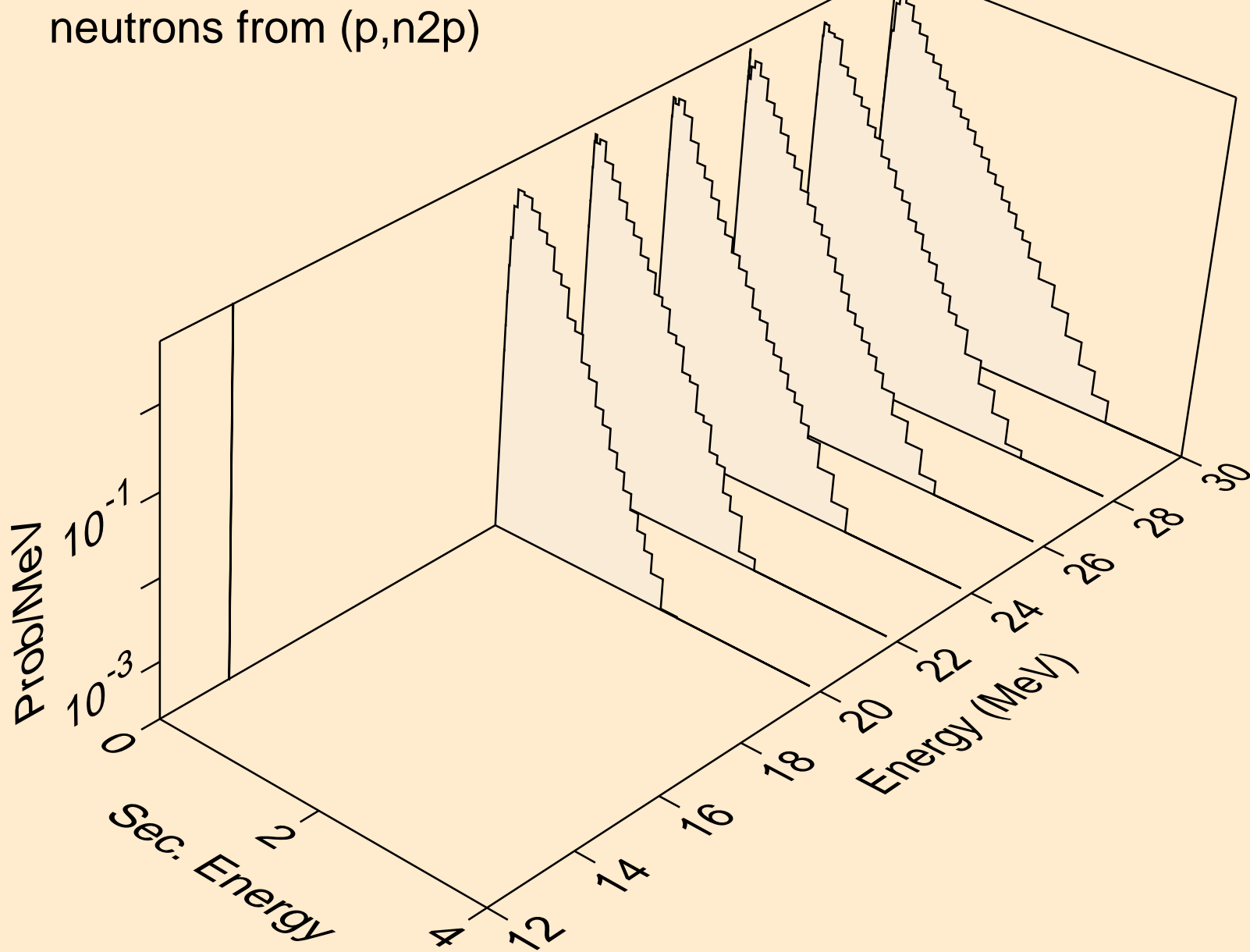




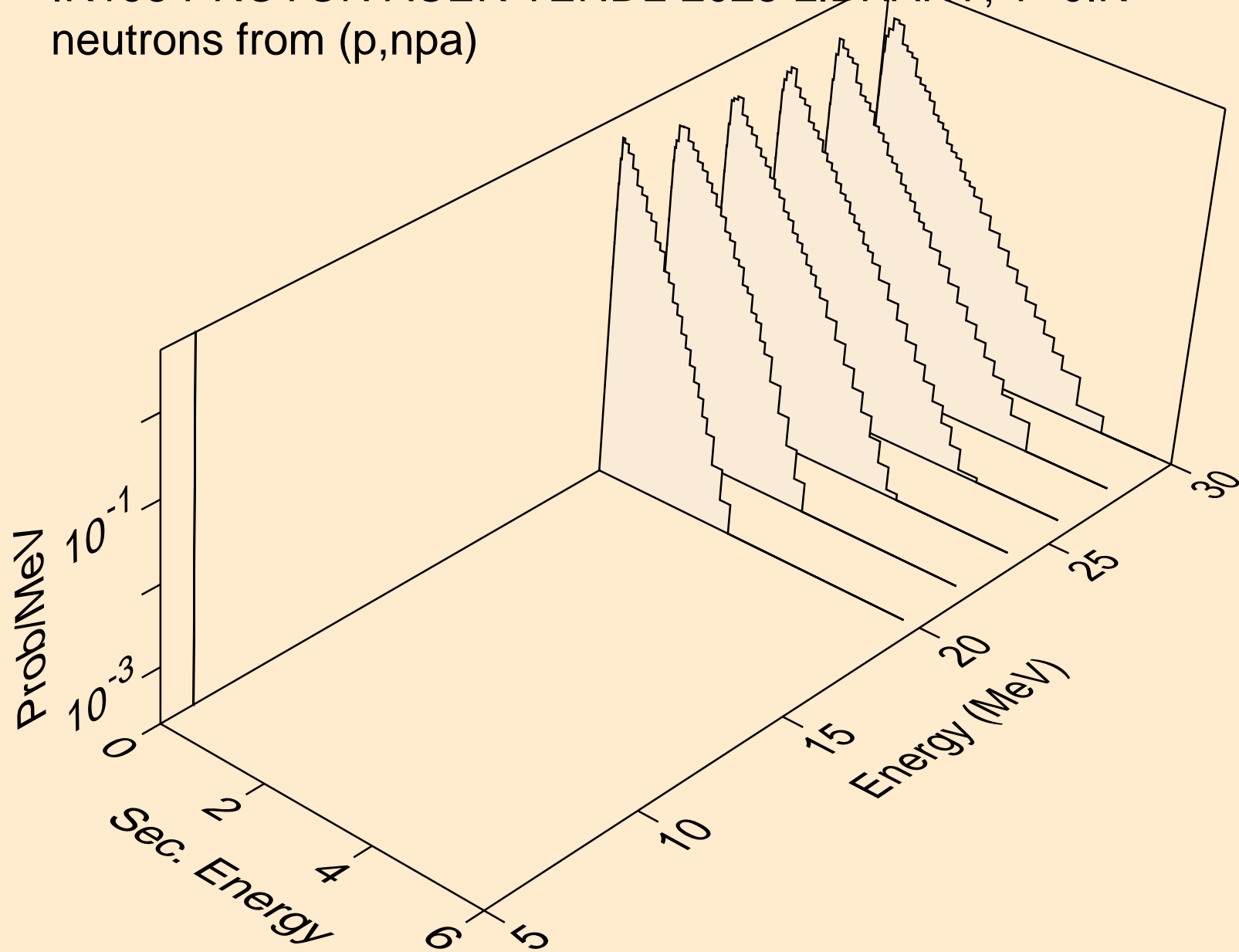
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neutrons from (p,3np)



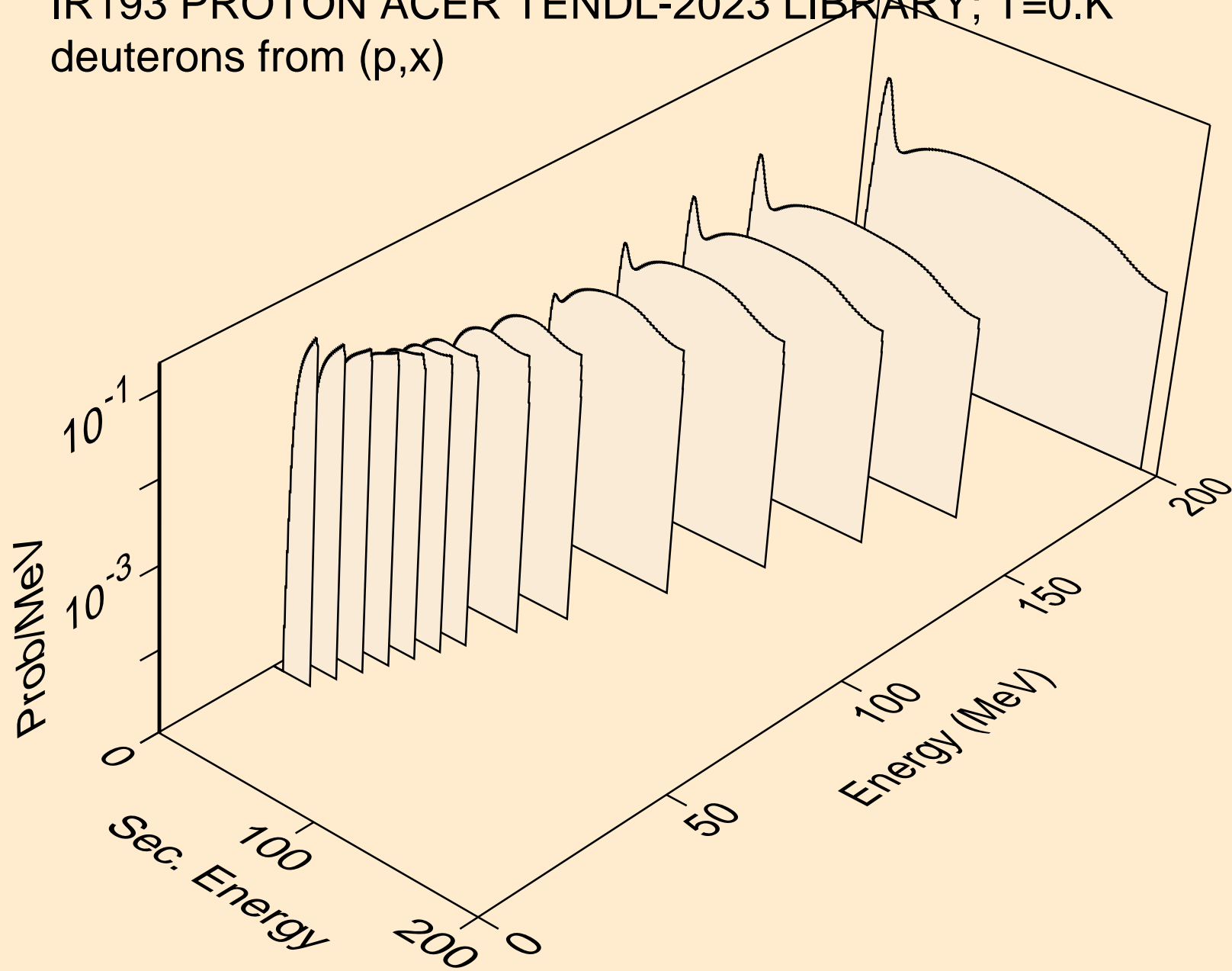
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neutrons from (p,n2p)



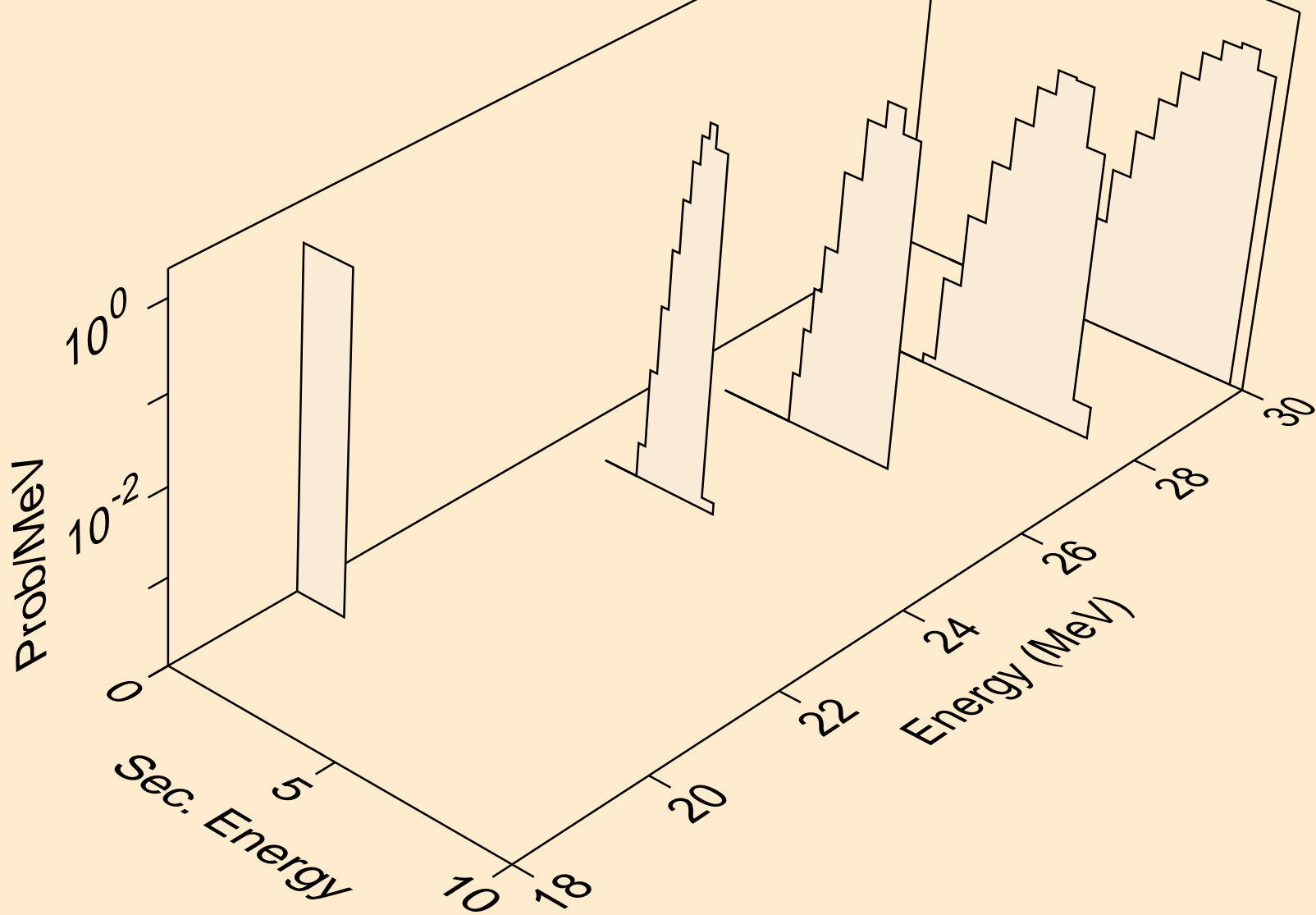
IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,npa)



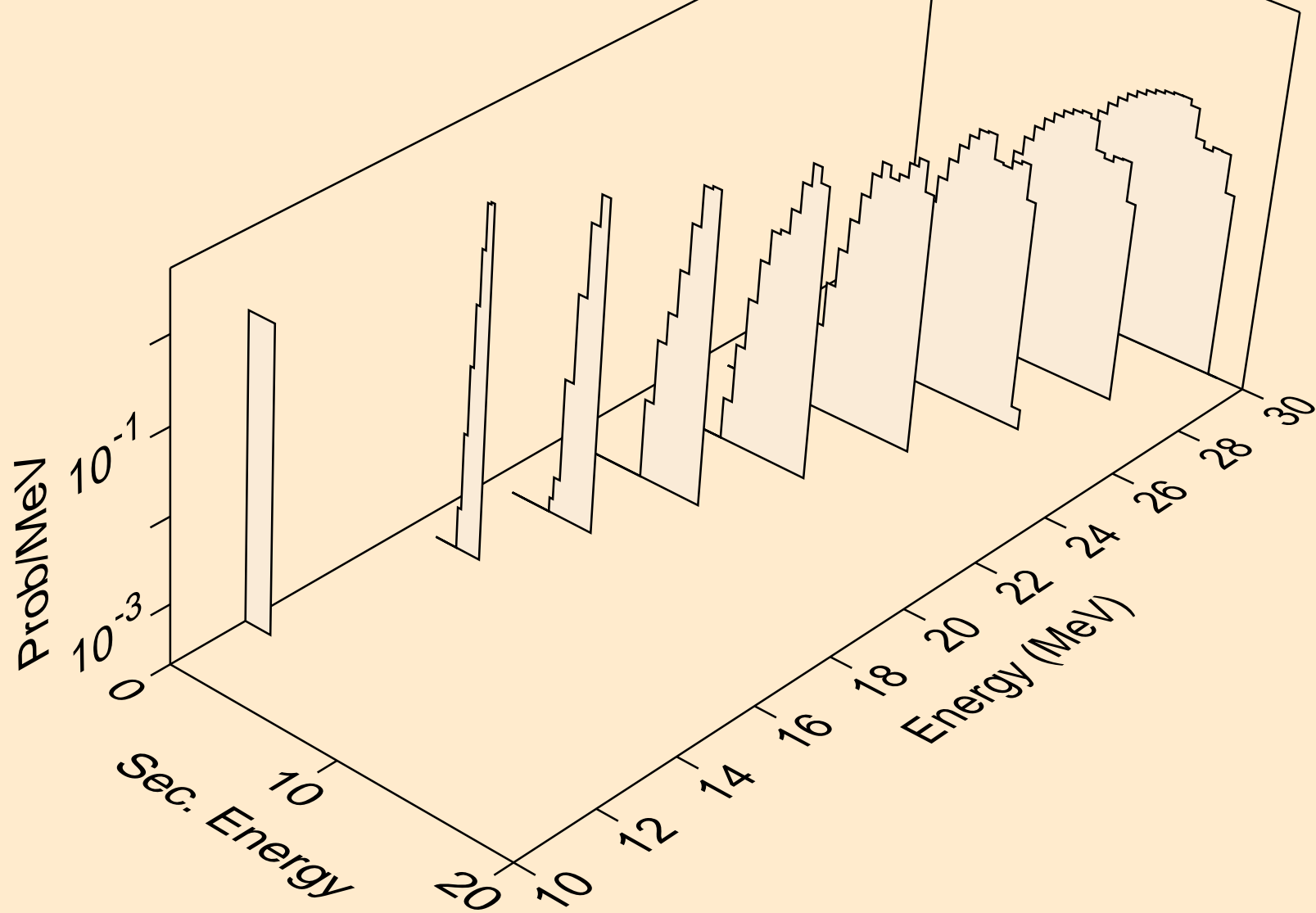
IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,x)



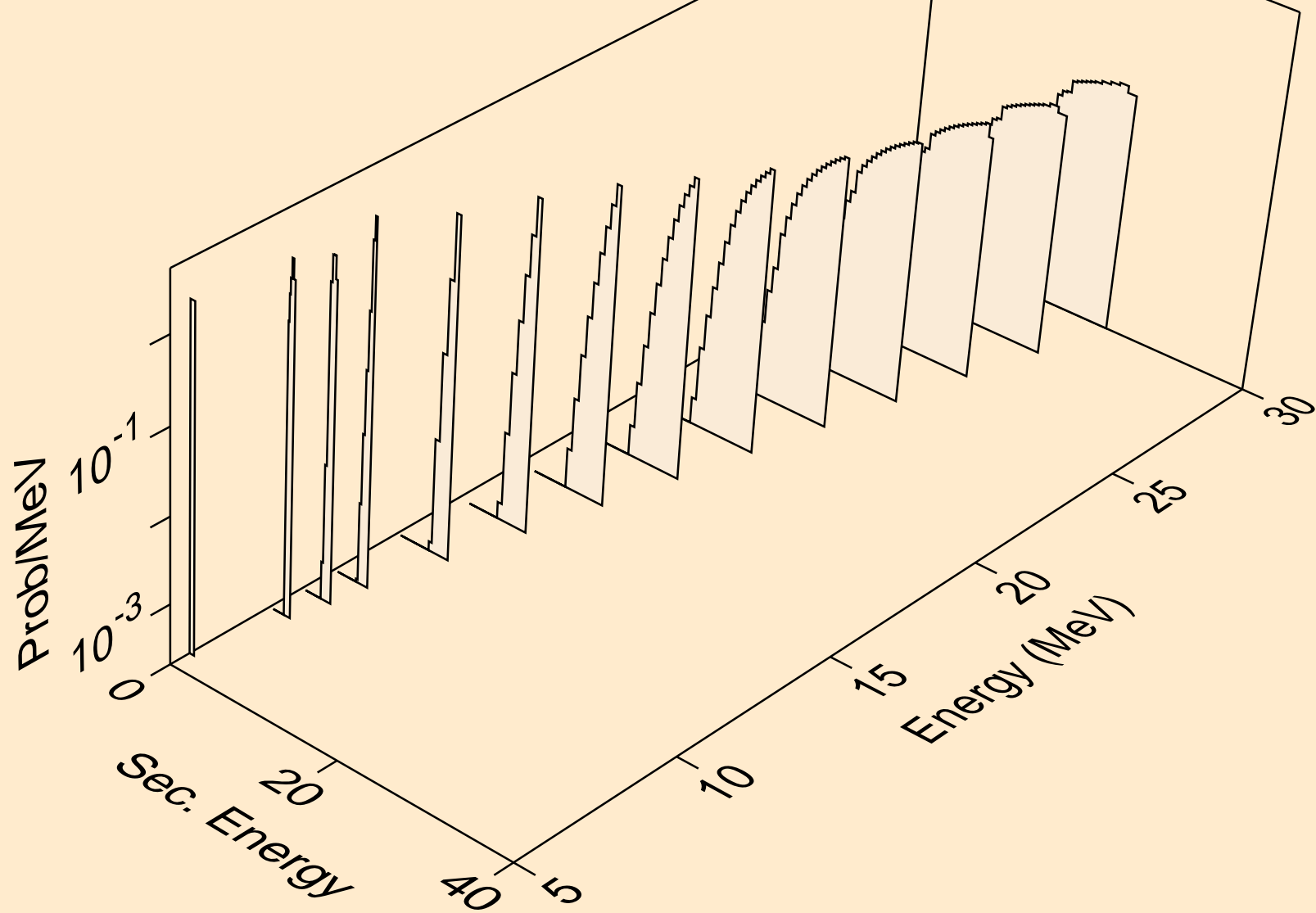
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deuterons from (p,2nd)



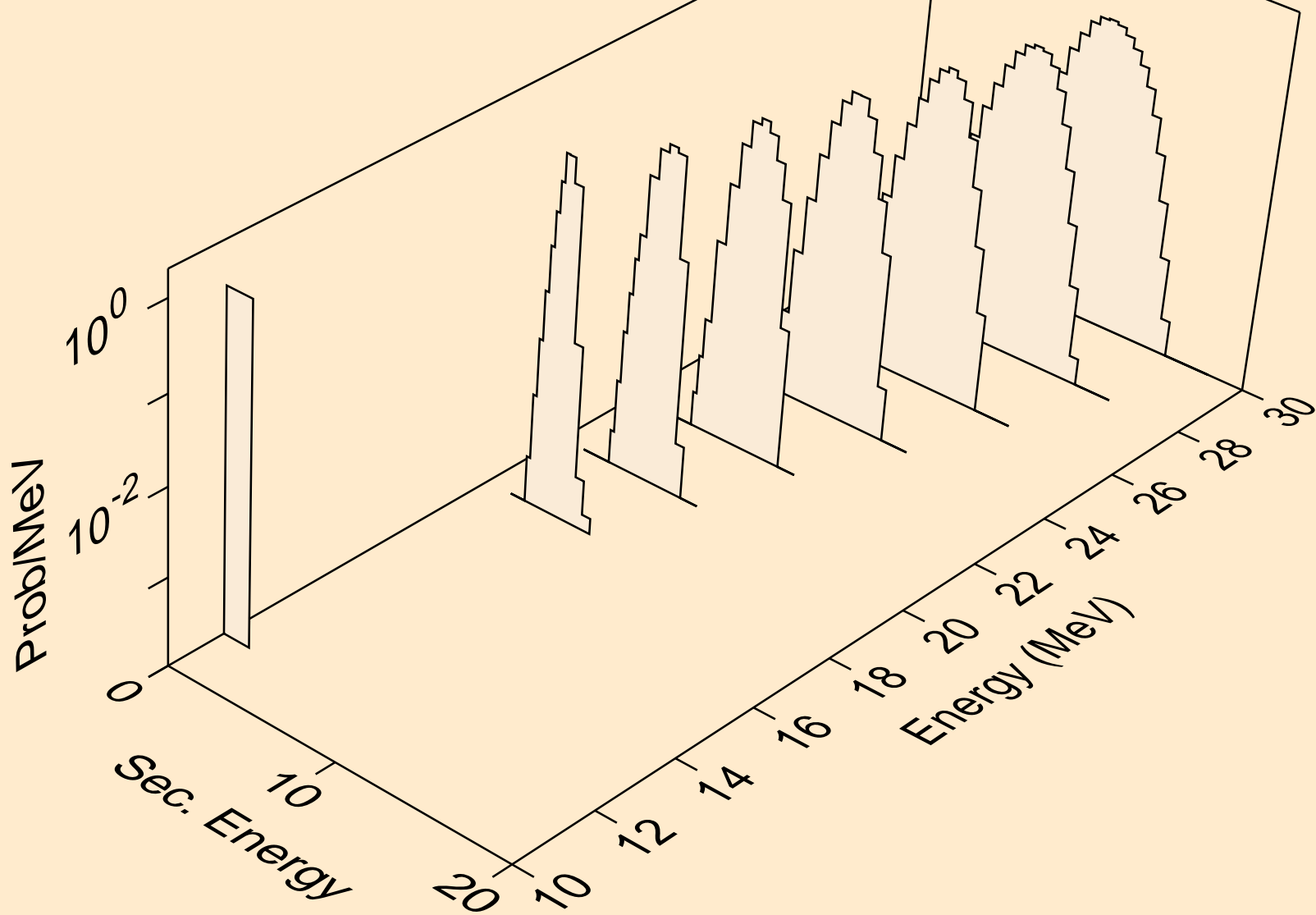
IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,n\*)d



IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,d)

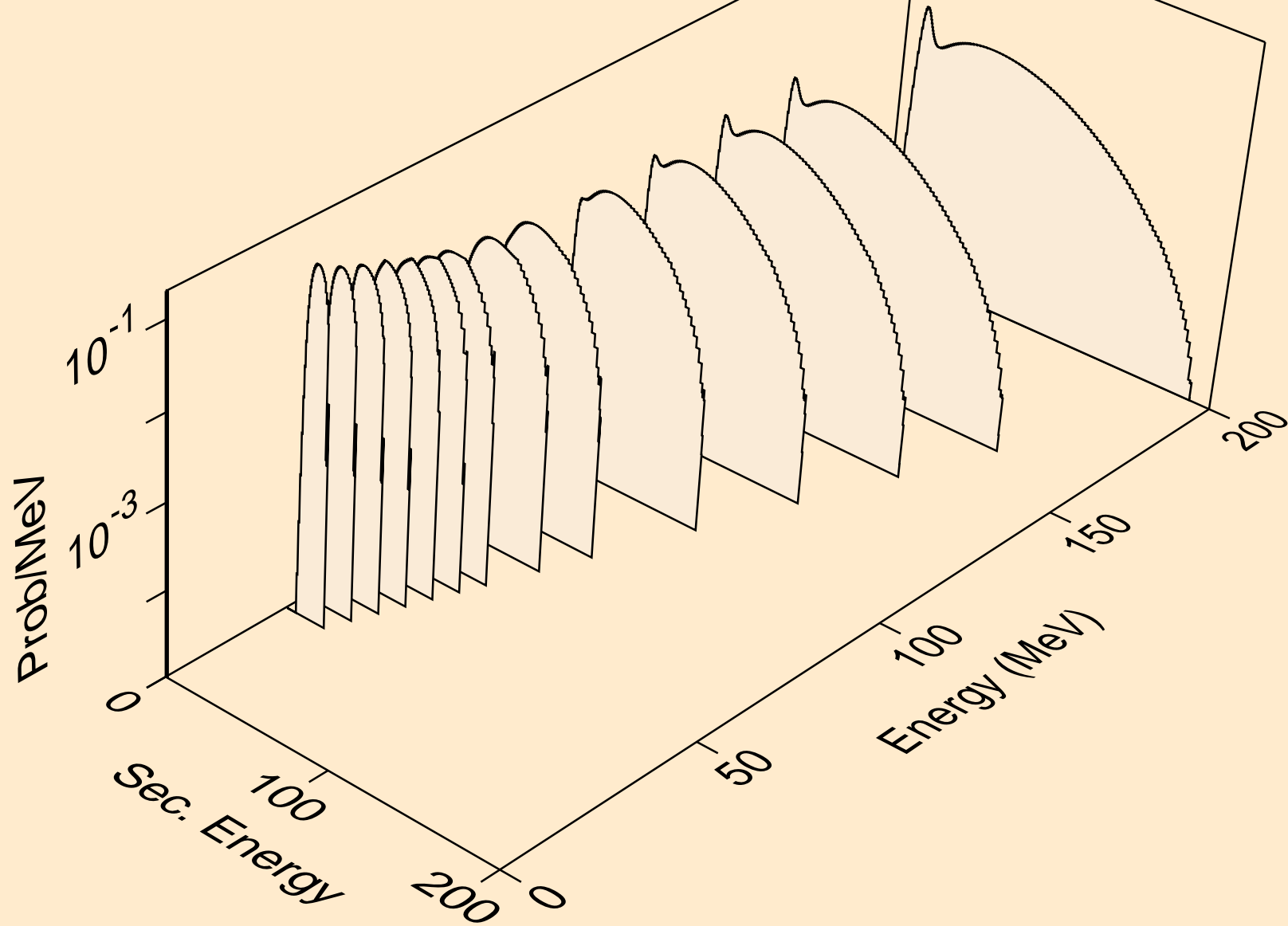


IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,pd)

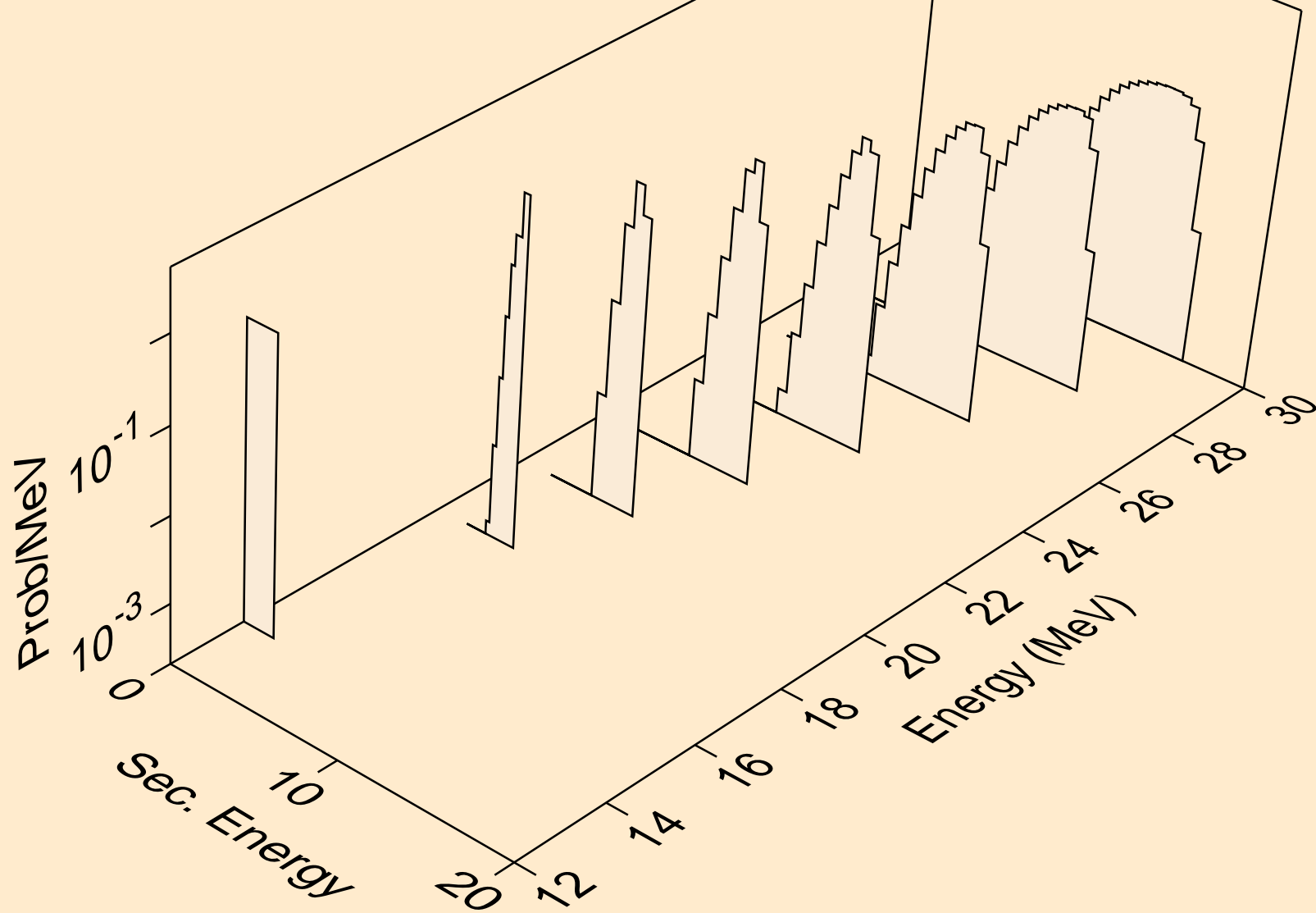




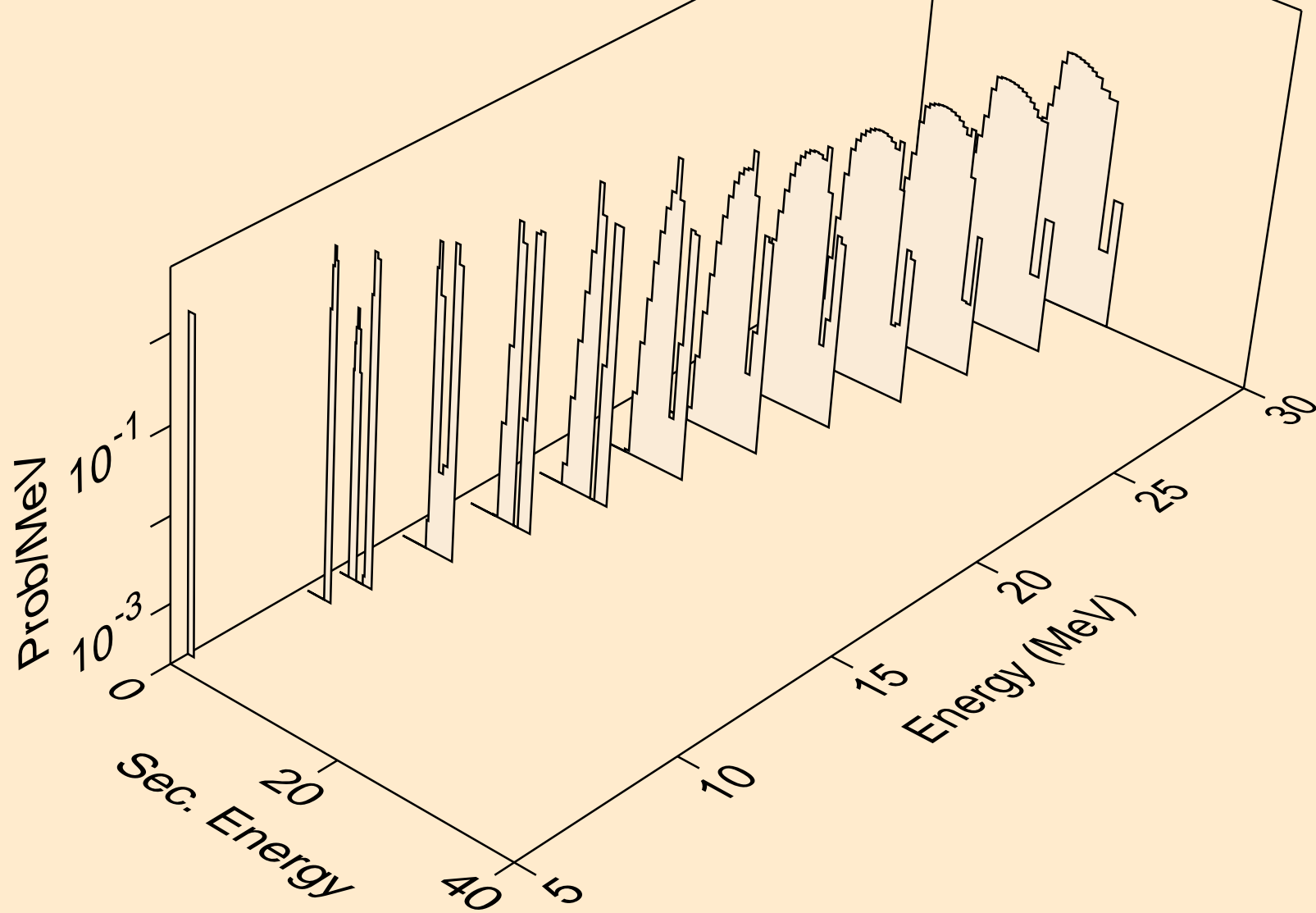
IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)



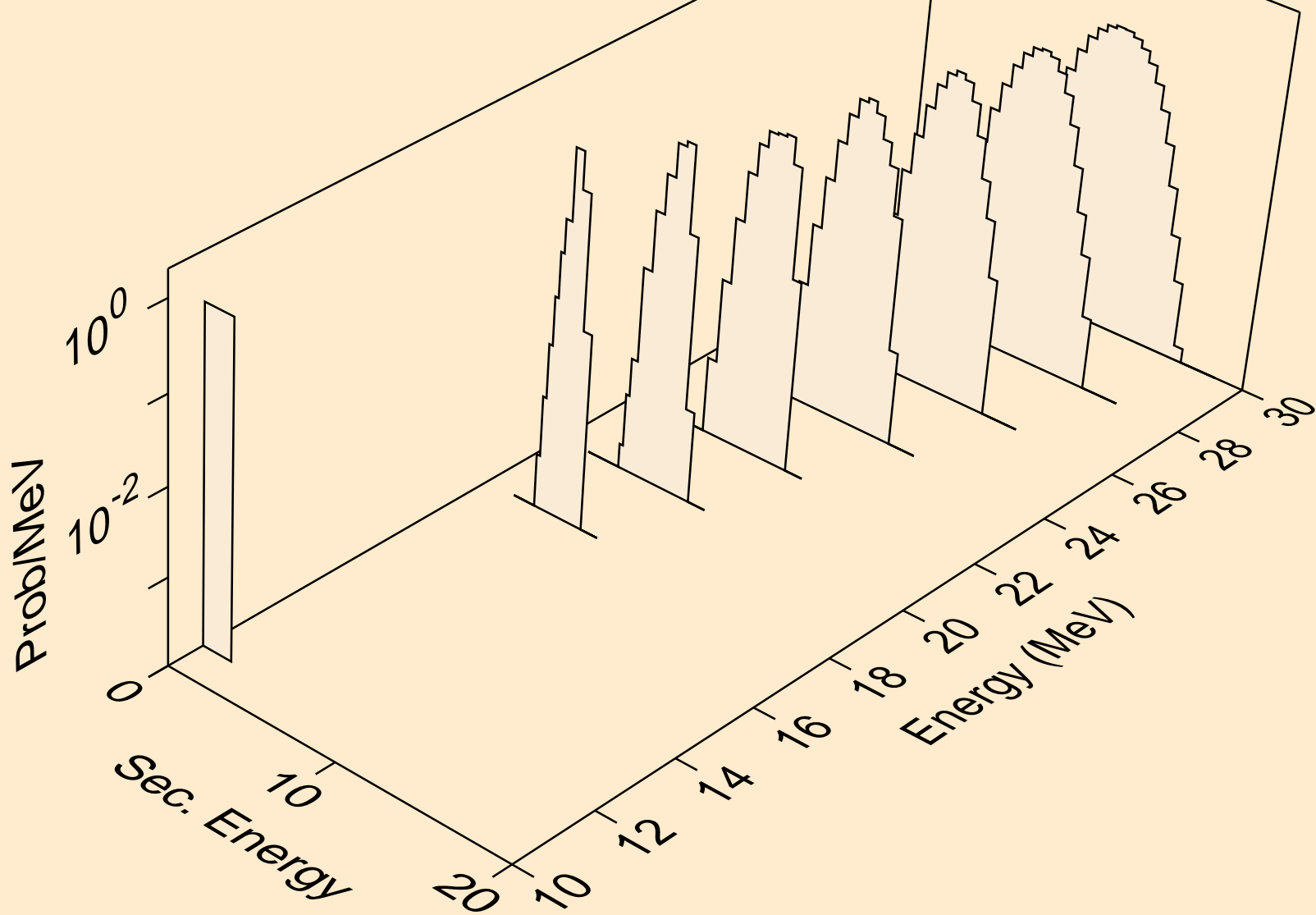
IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,n\*)t



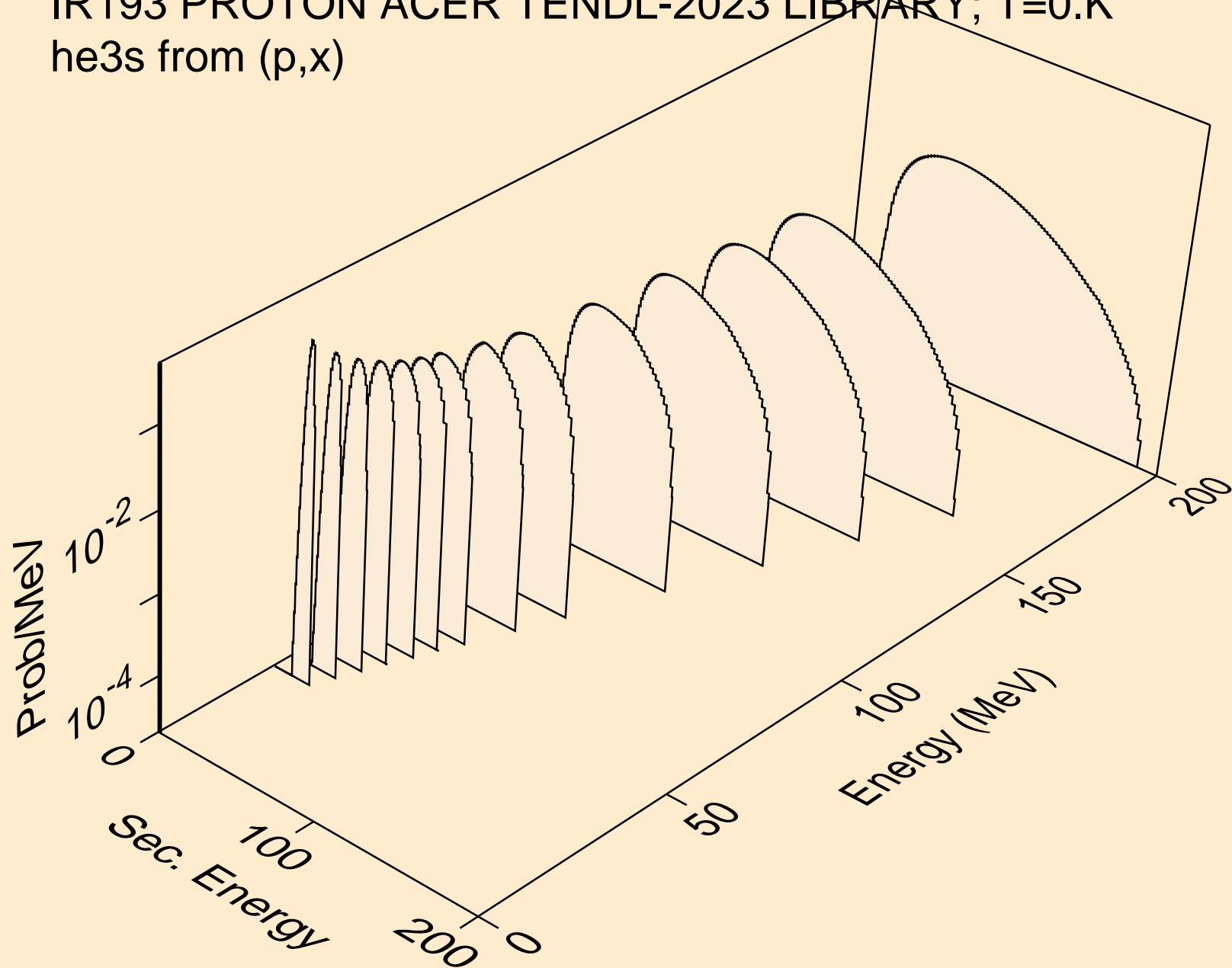
IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,t)



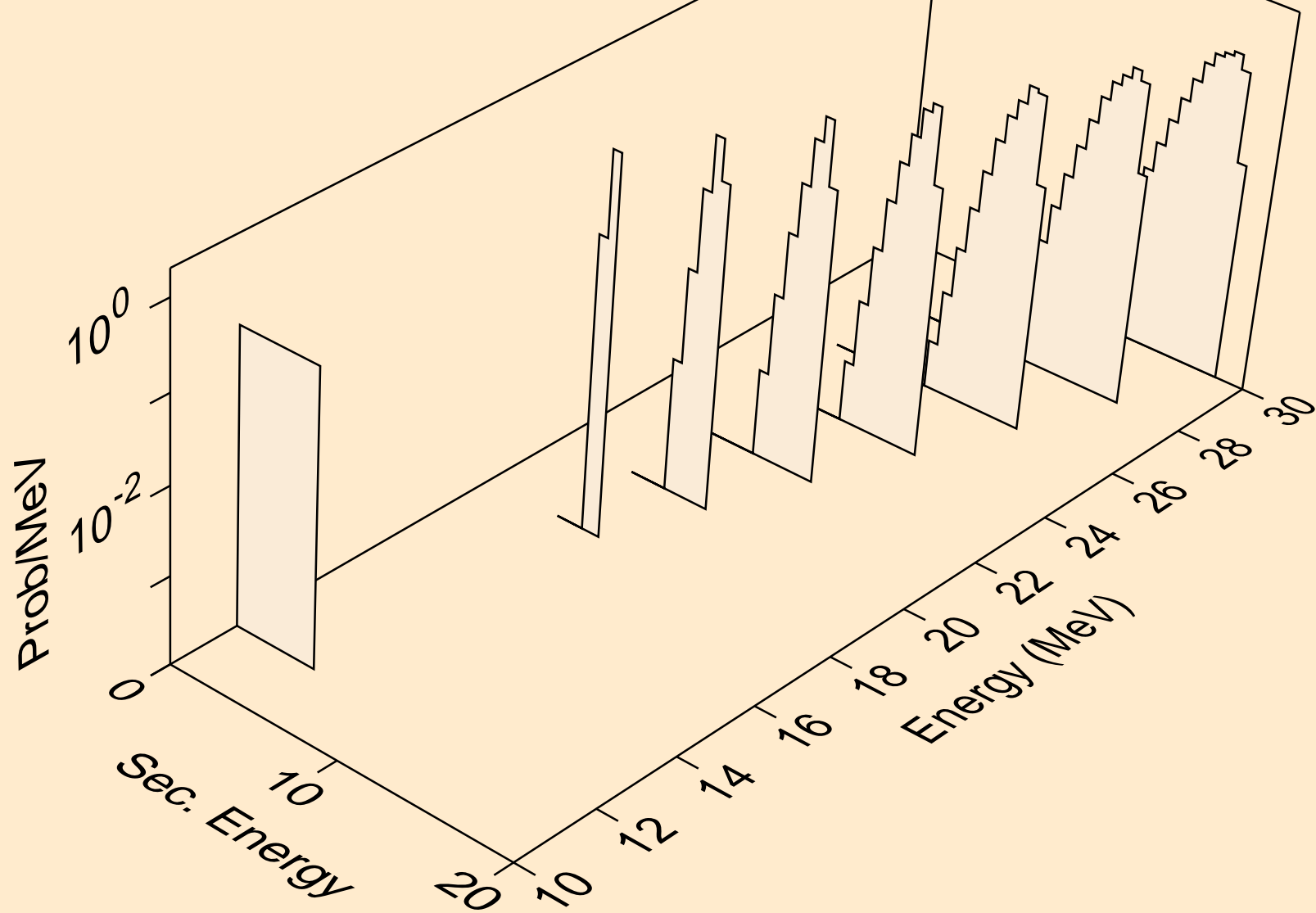
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tritons from (p,pt)



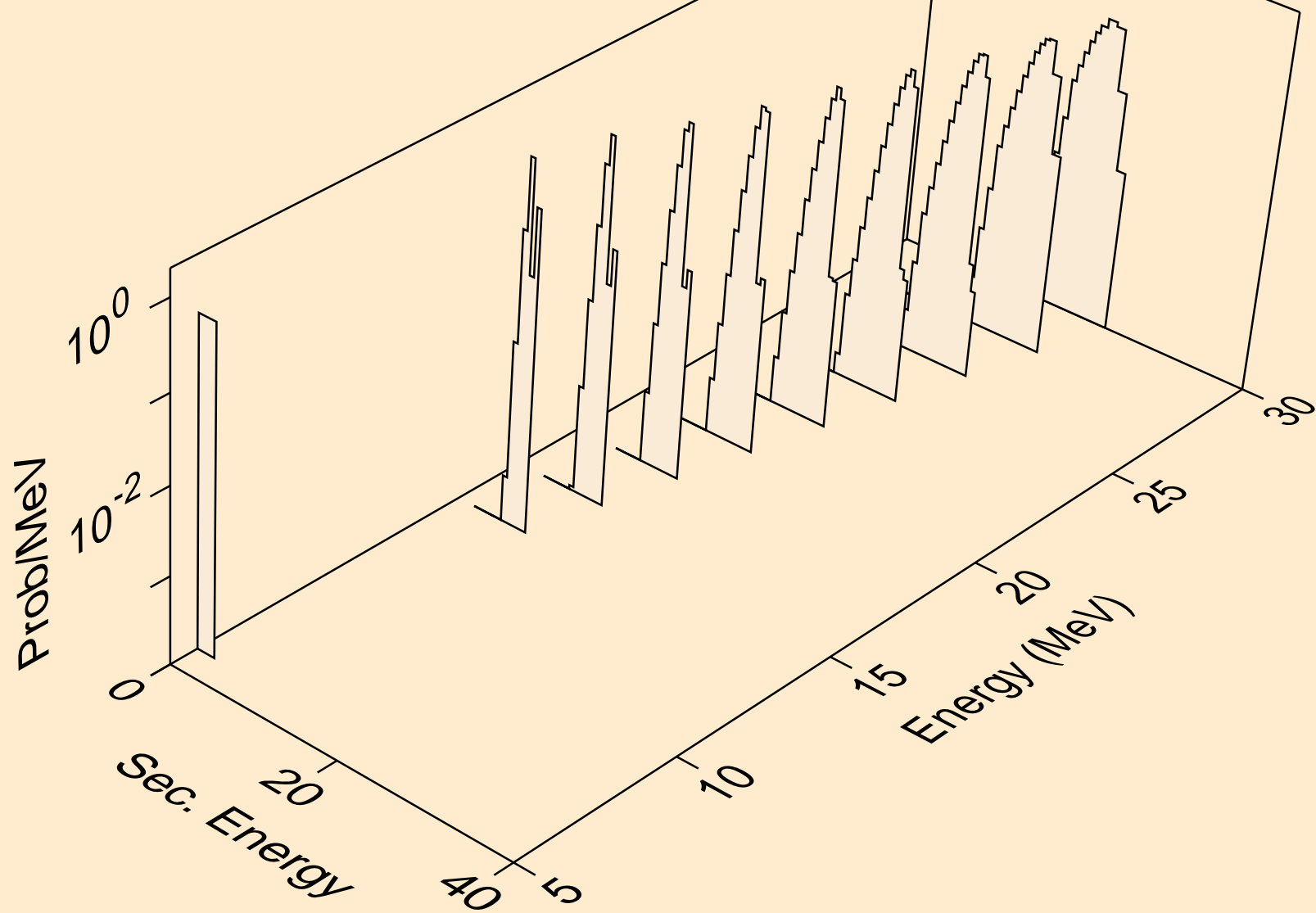
IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)



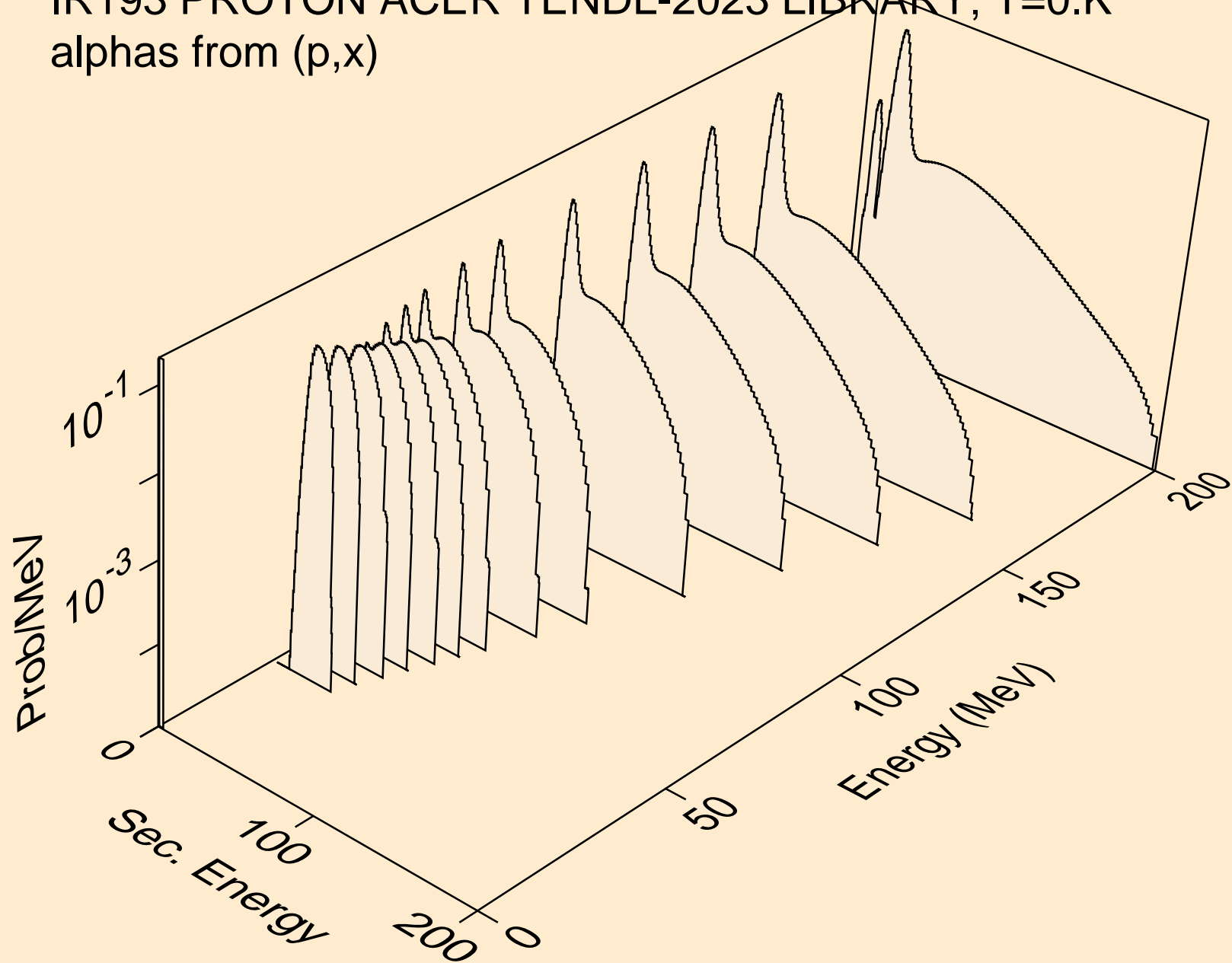
IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3



IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,he3)

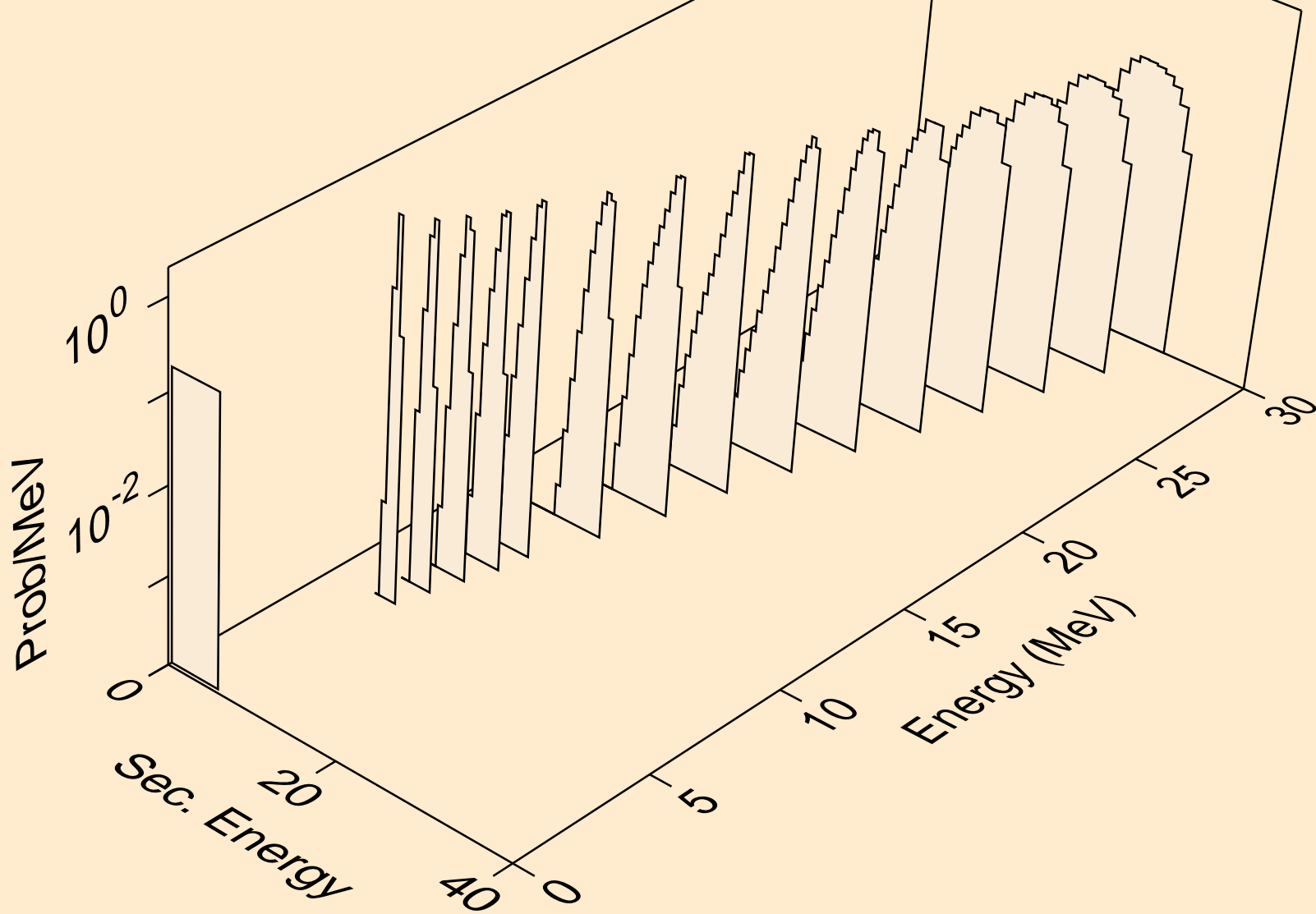


IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)

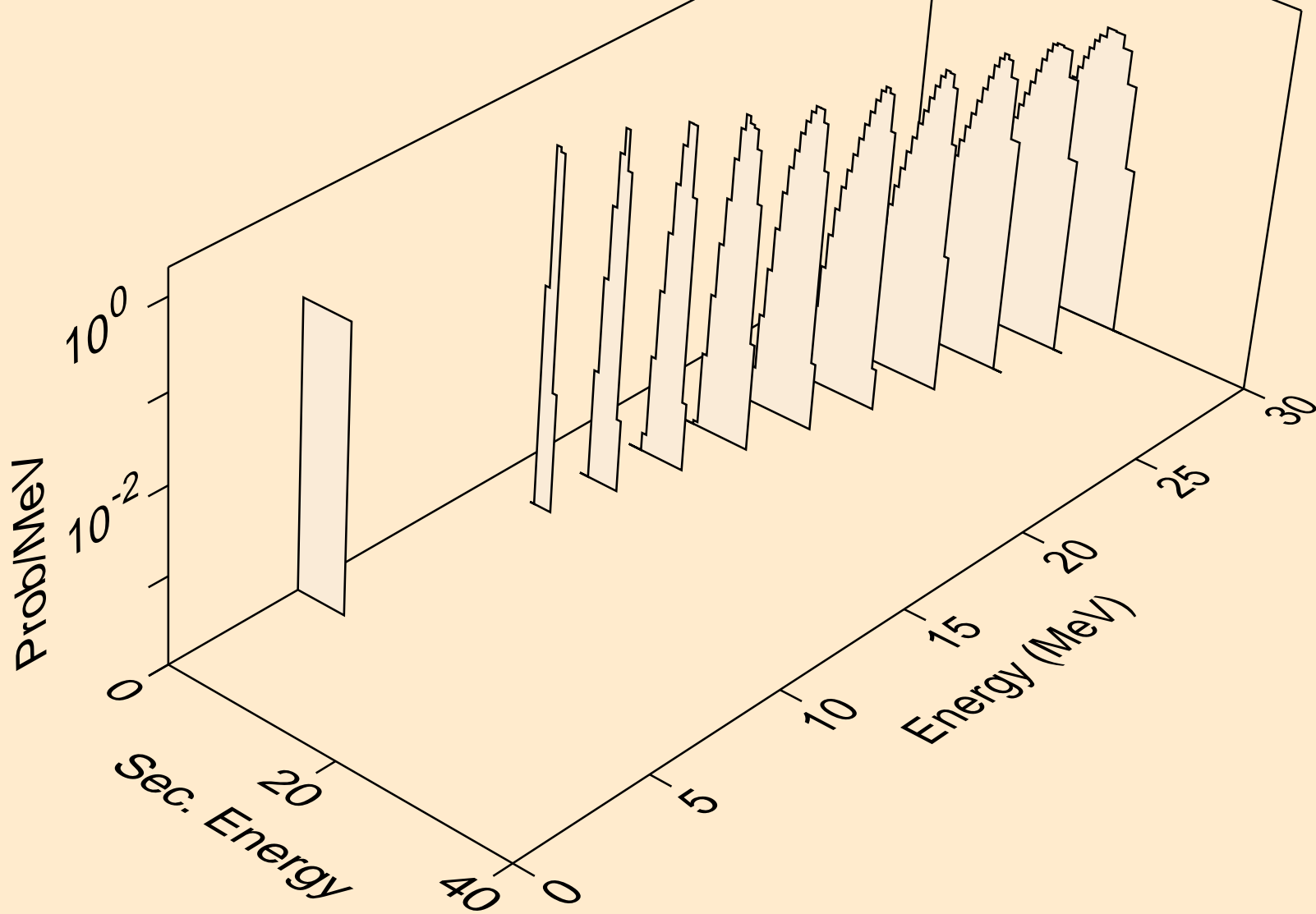




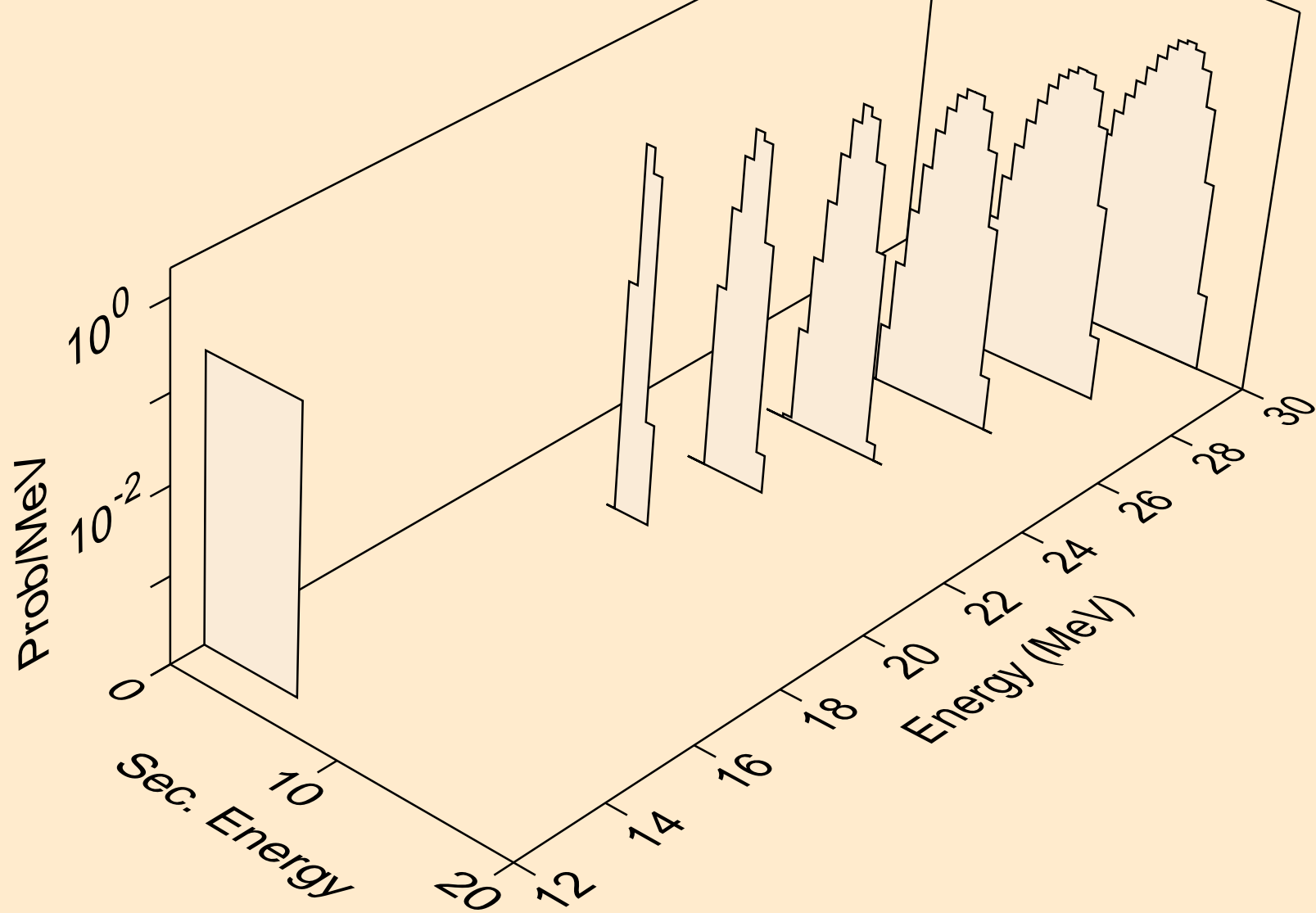
IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a



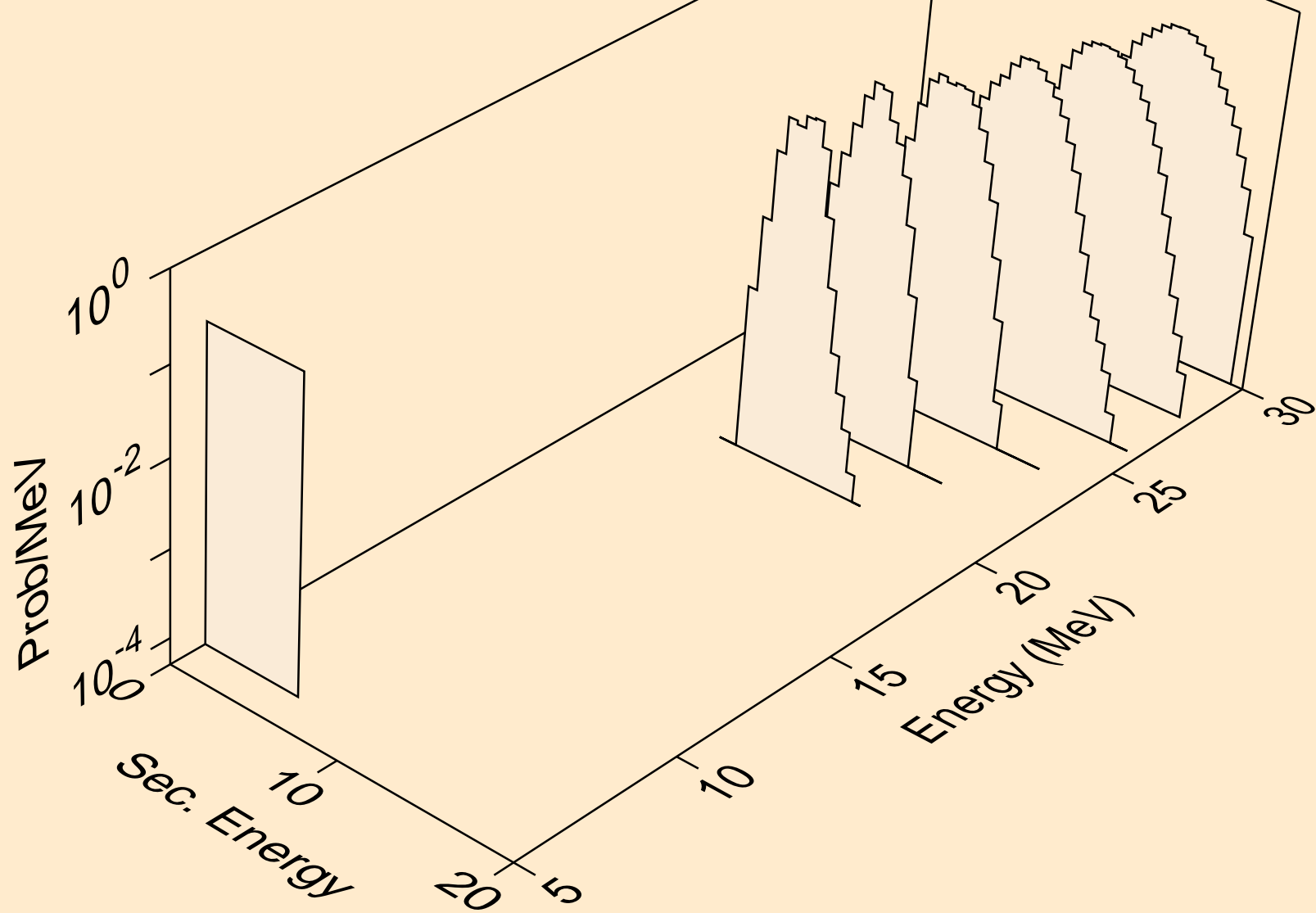
IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)a



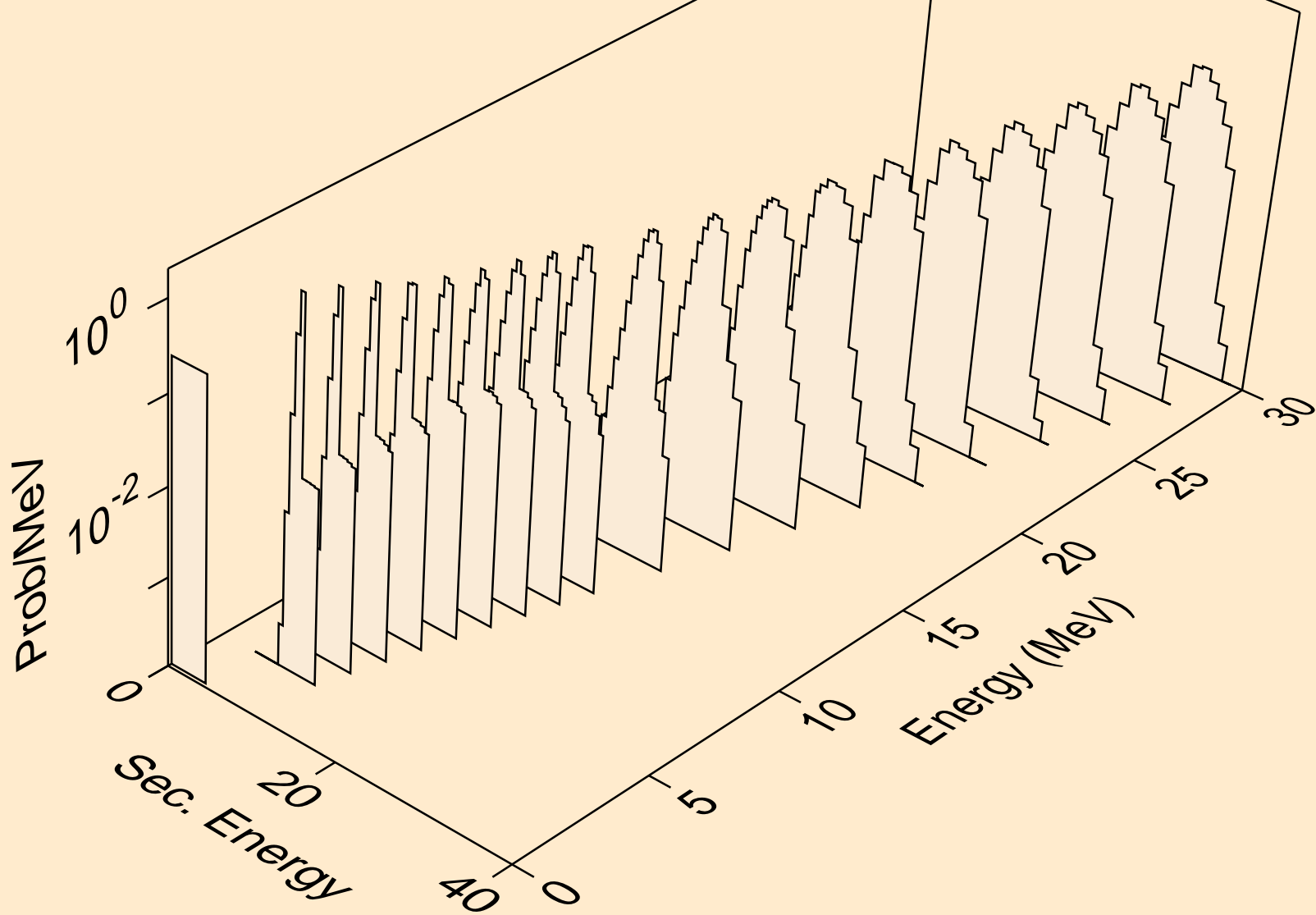
IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3n)a



IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,npa)



IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)



IR193 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)

