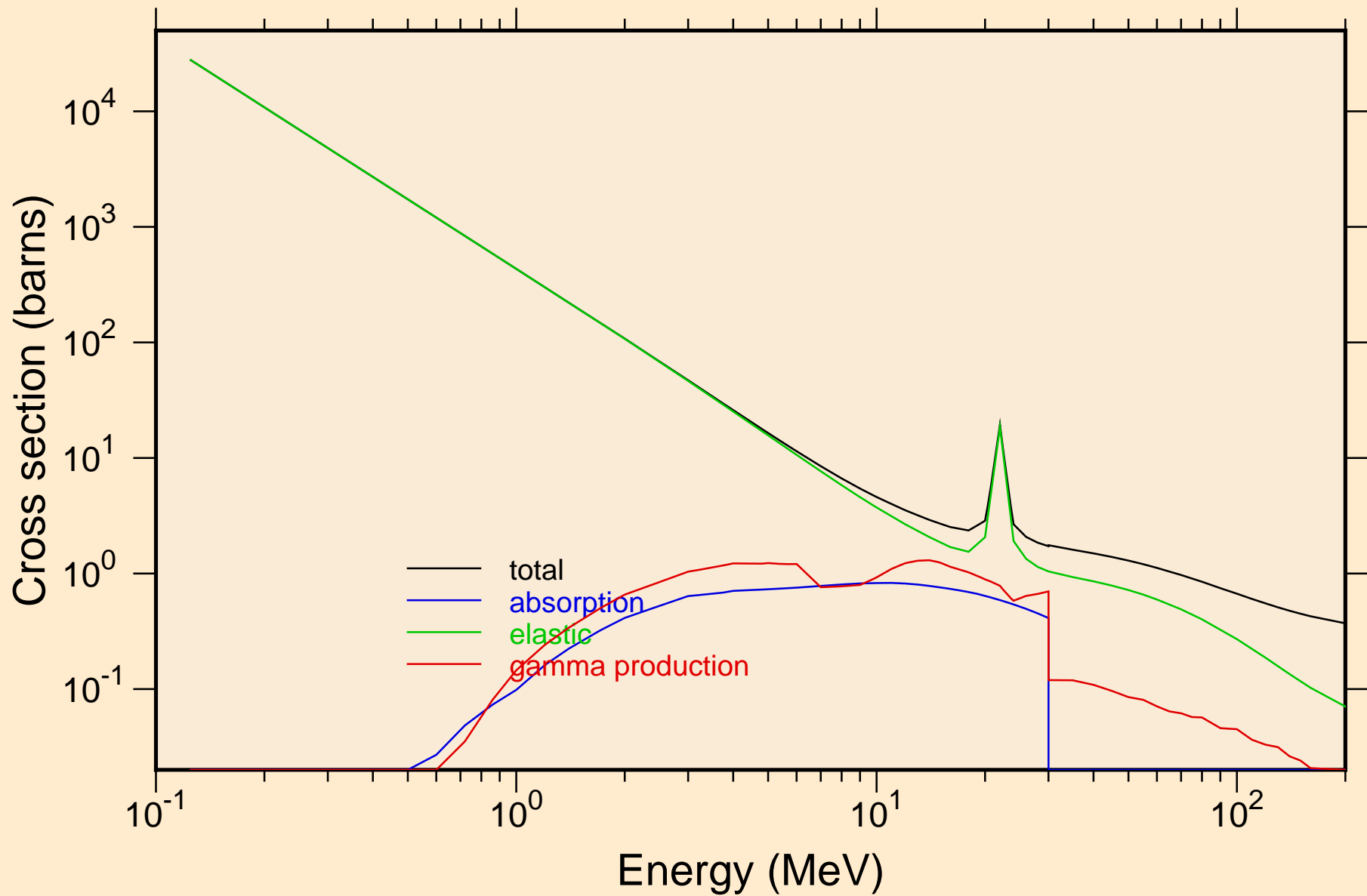
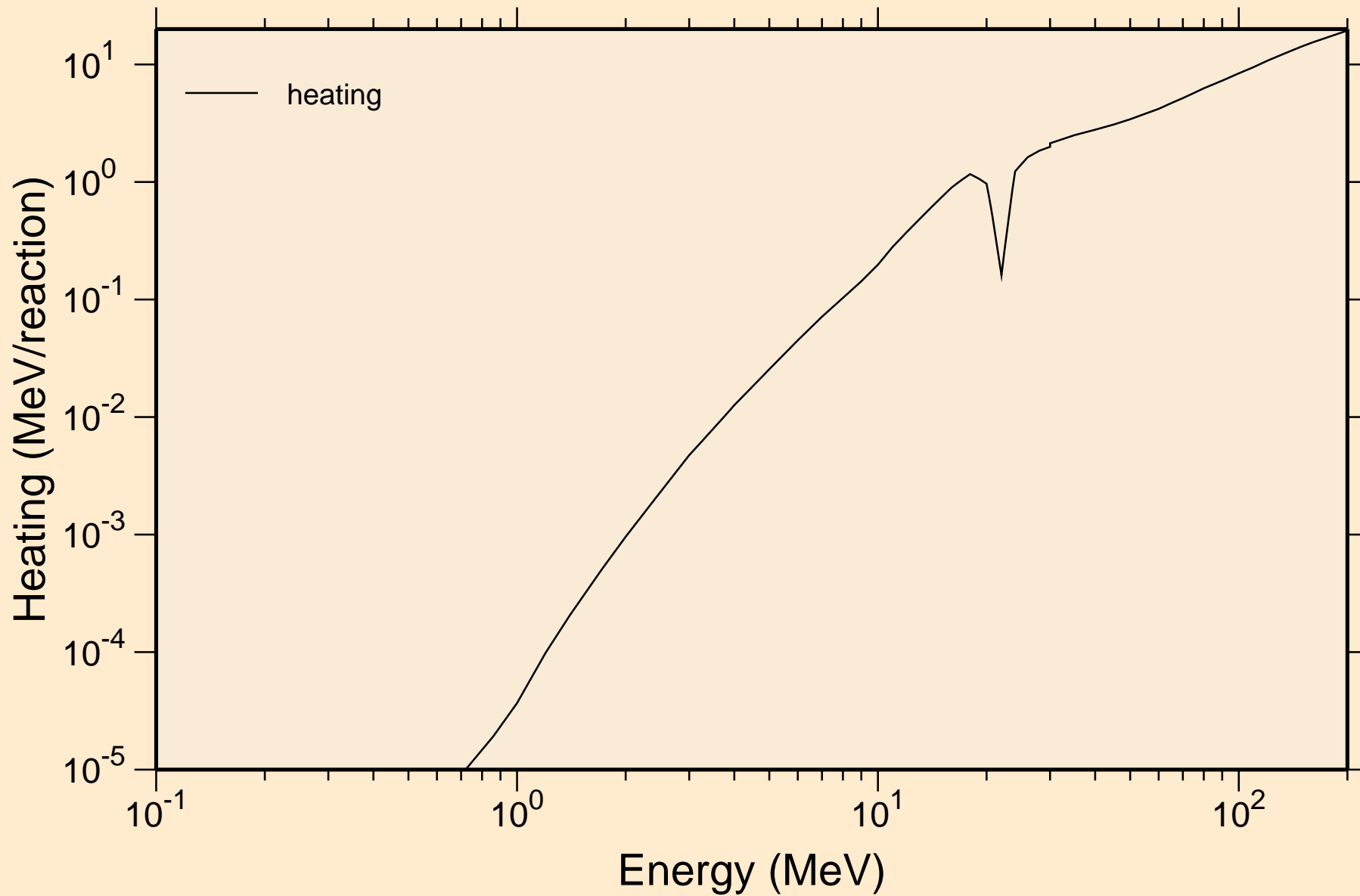


O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections

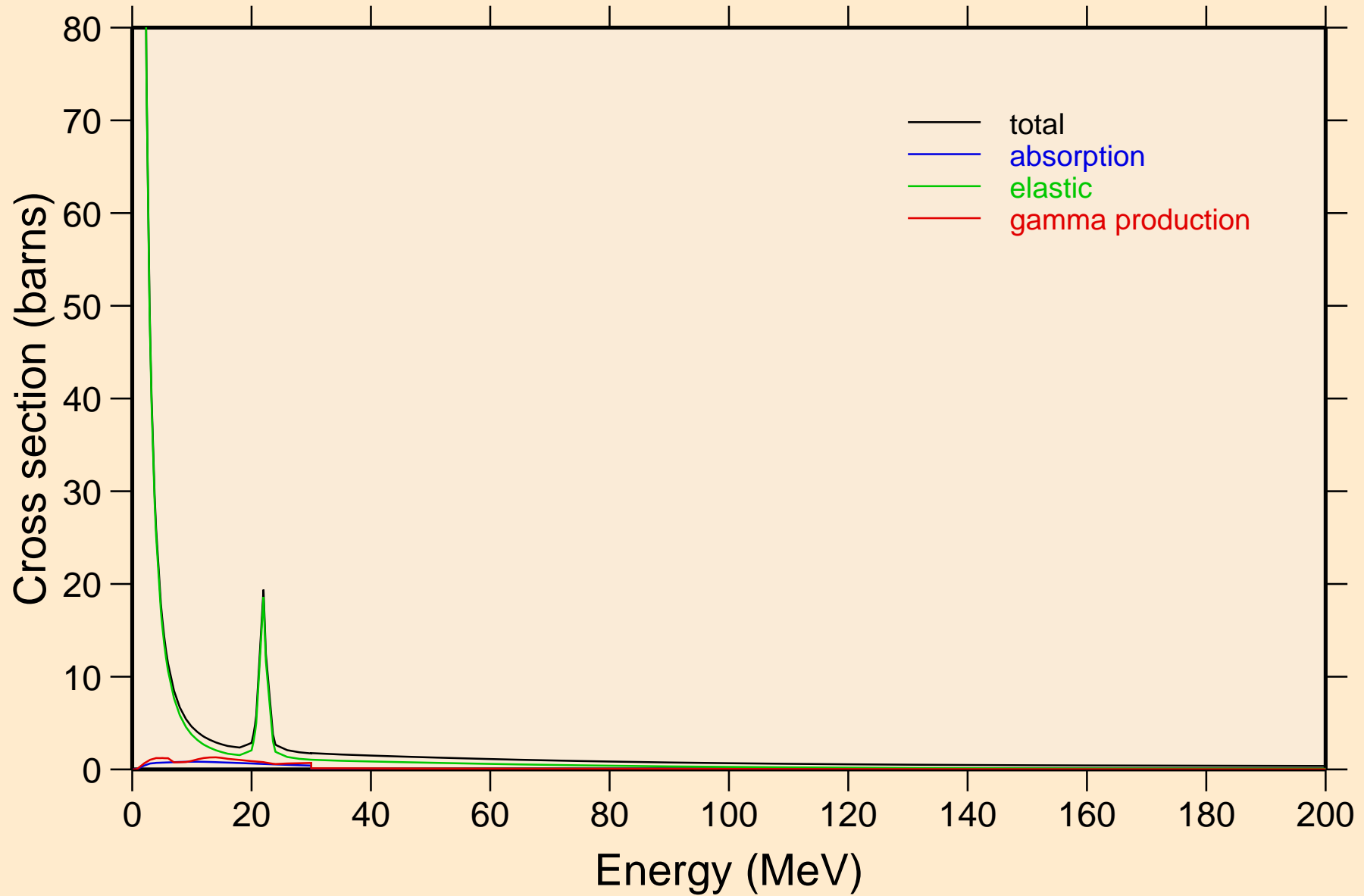


O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



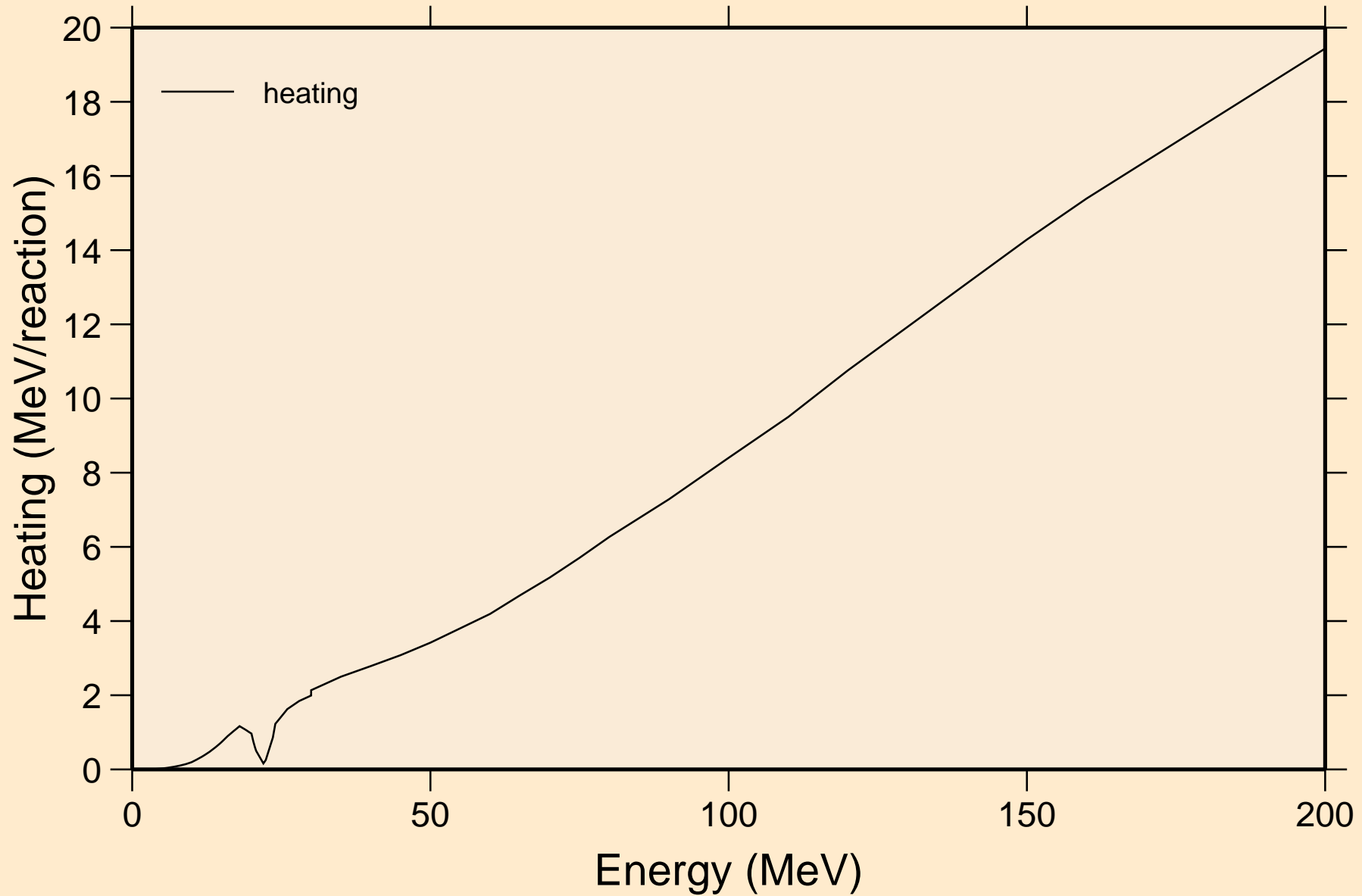
# O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

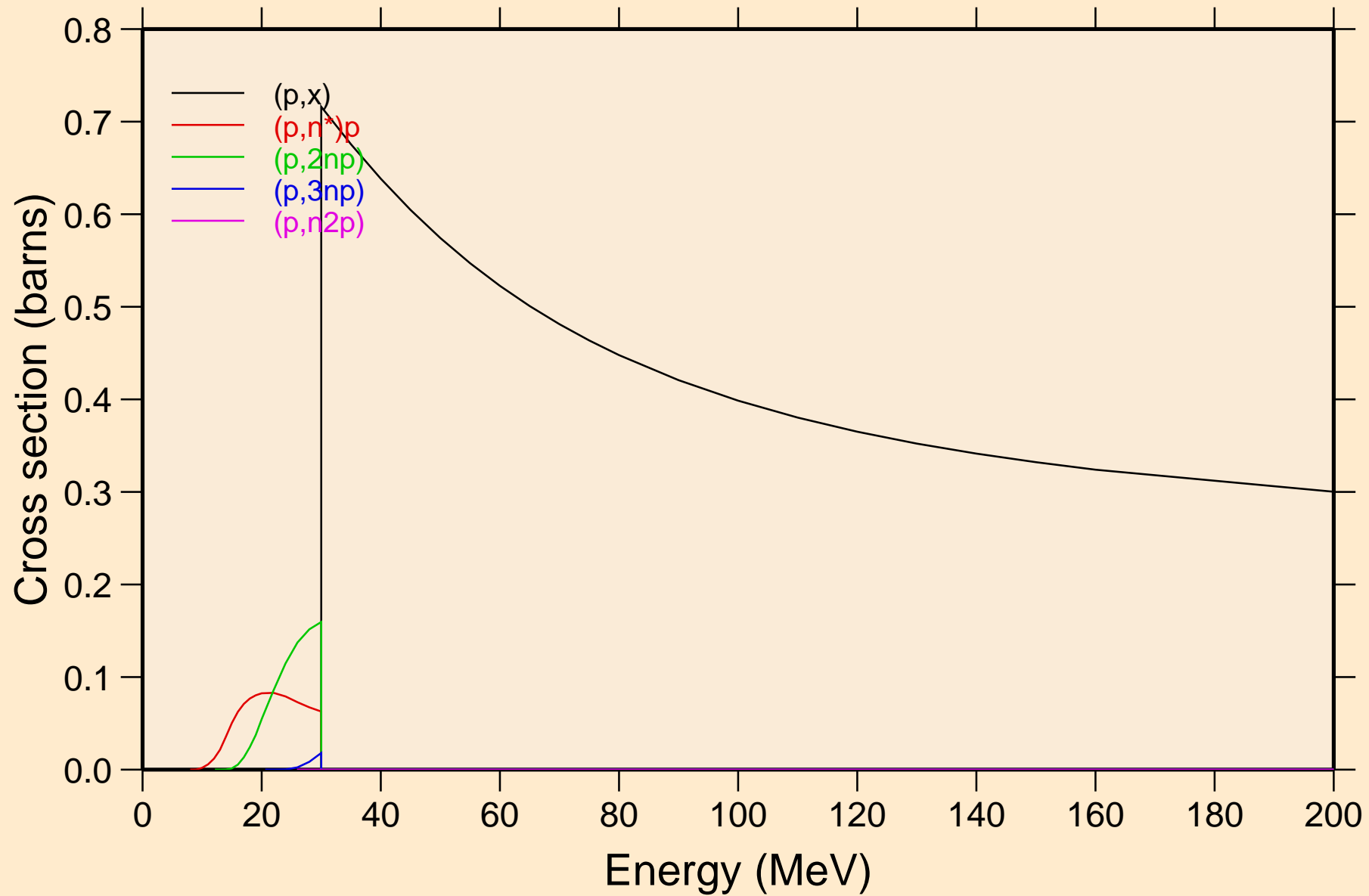


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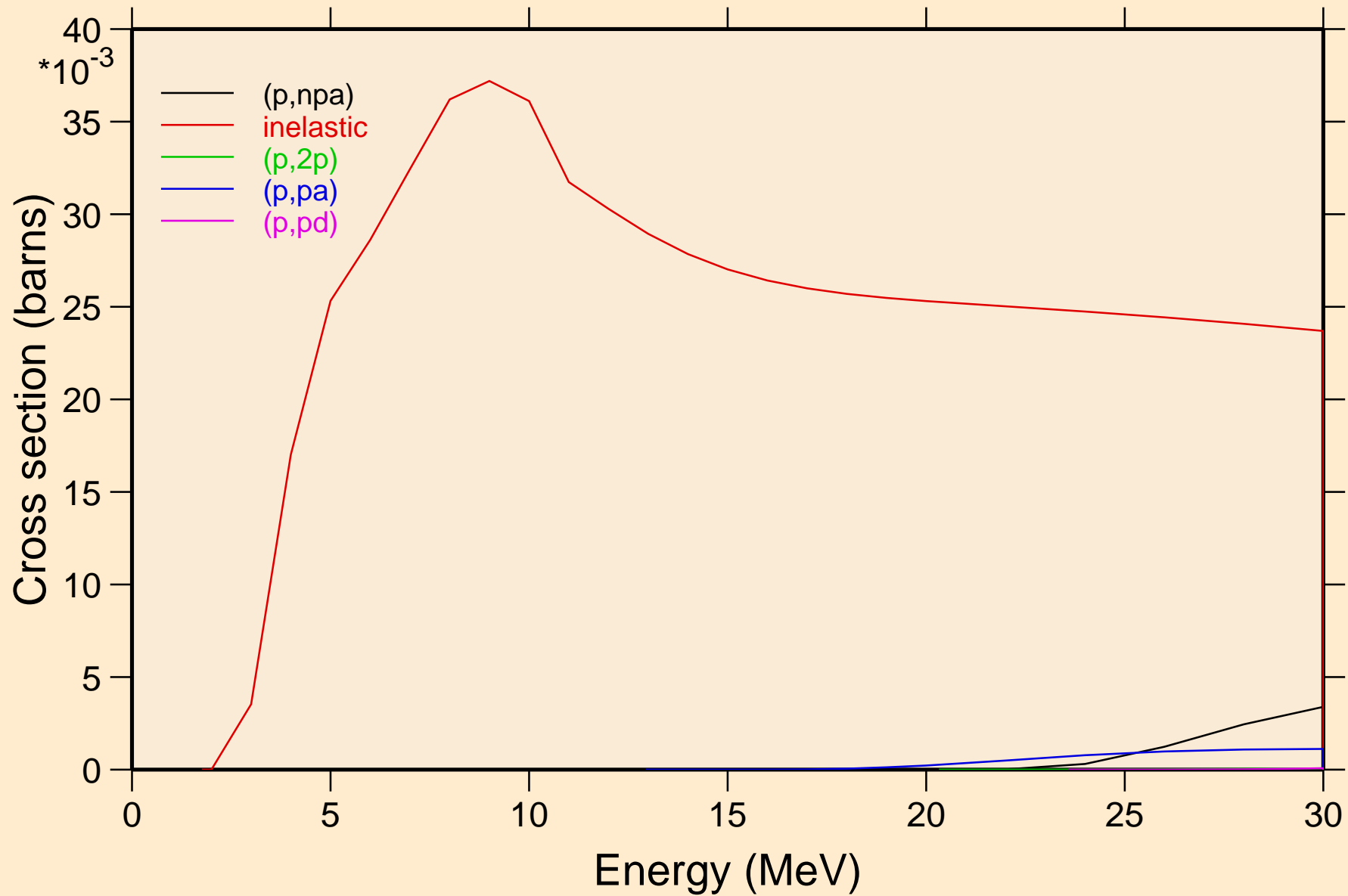
Heating



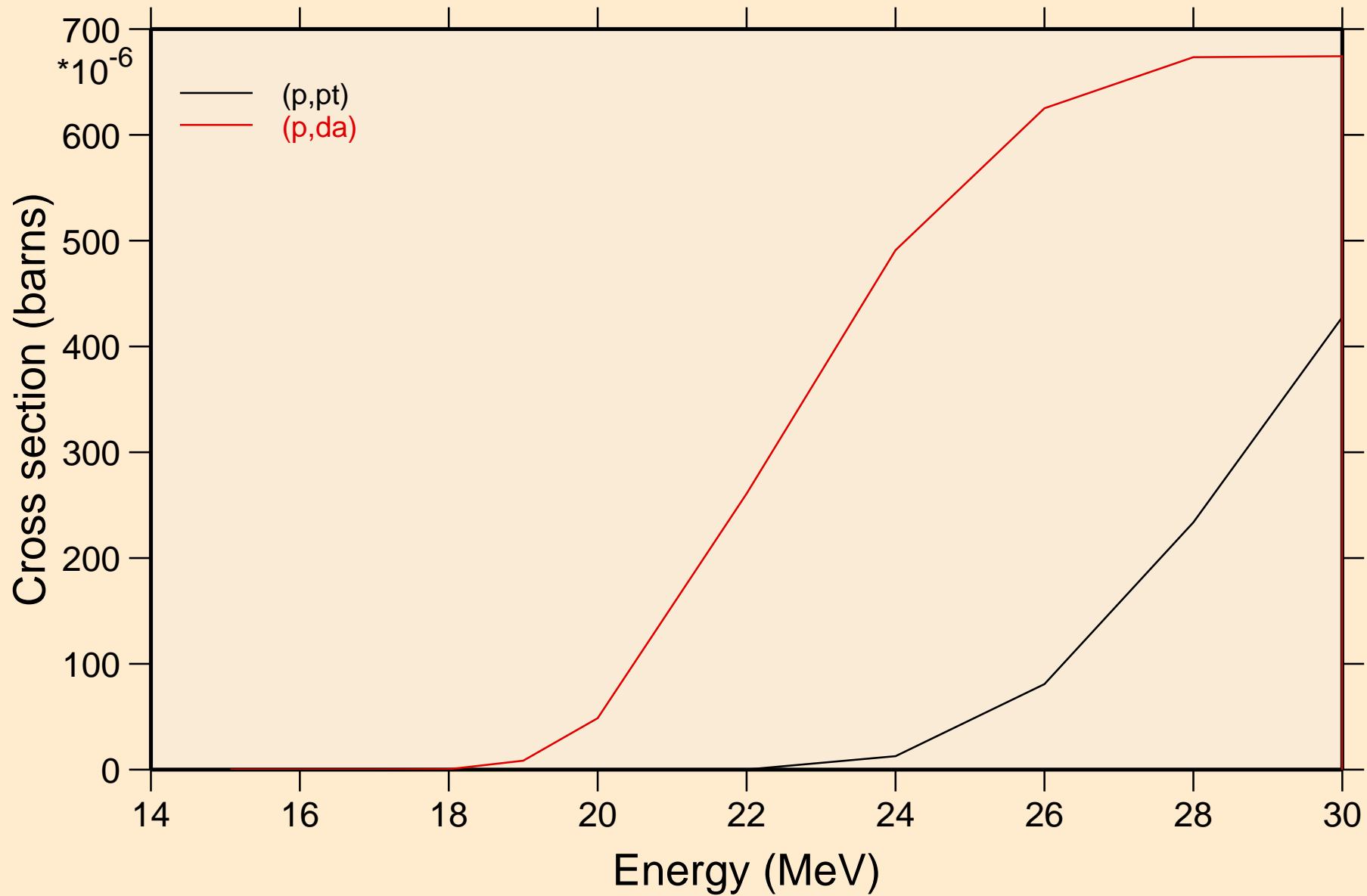
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Threshold reactions



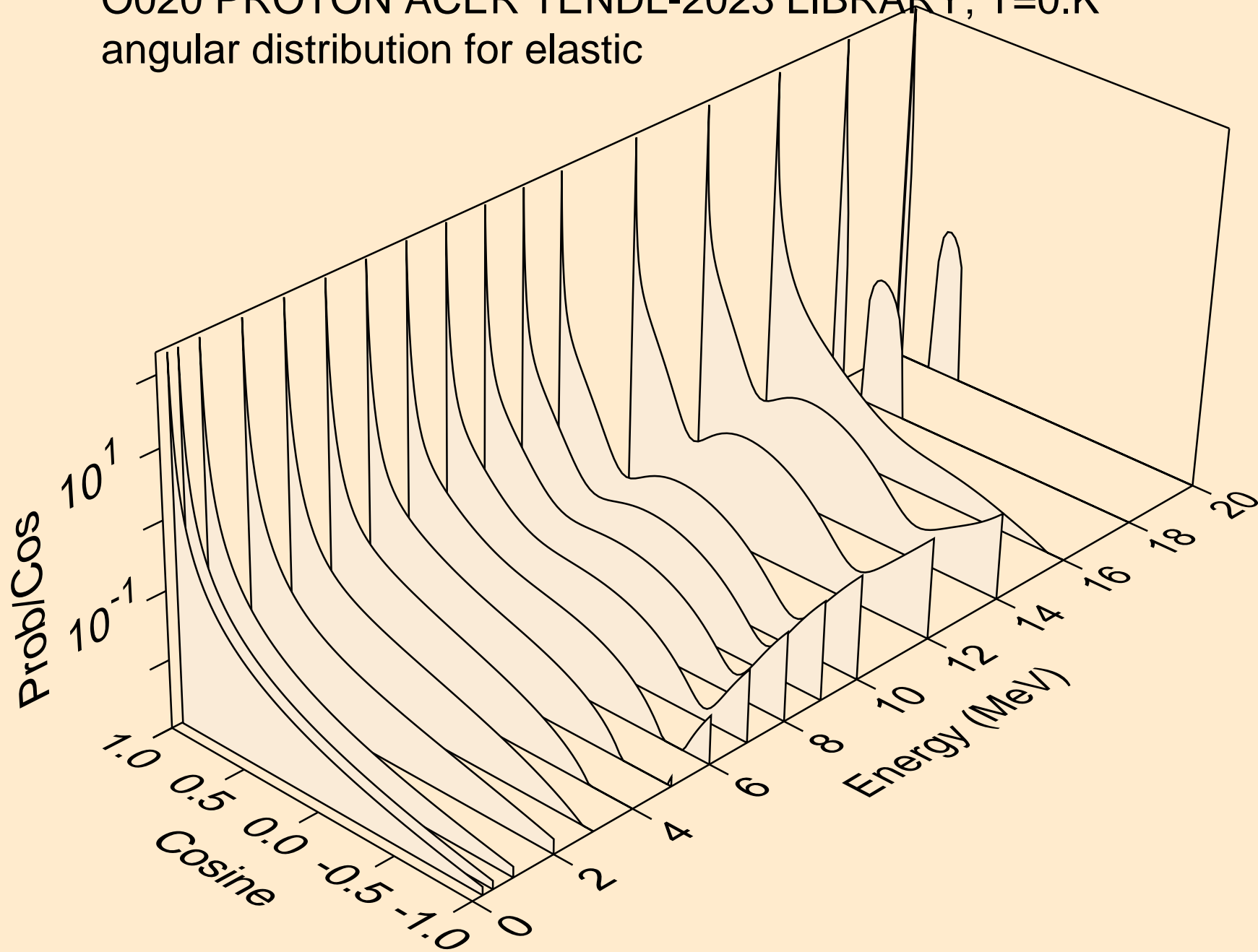
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Threshold reactions



O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

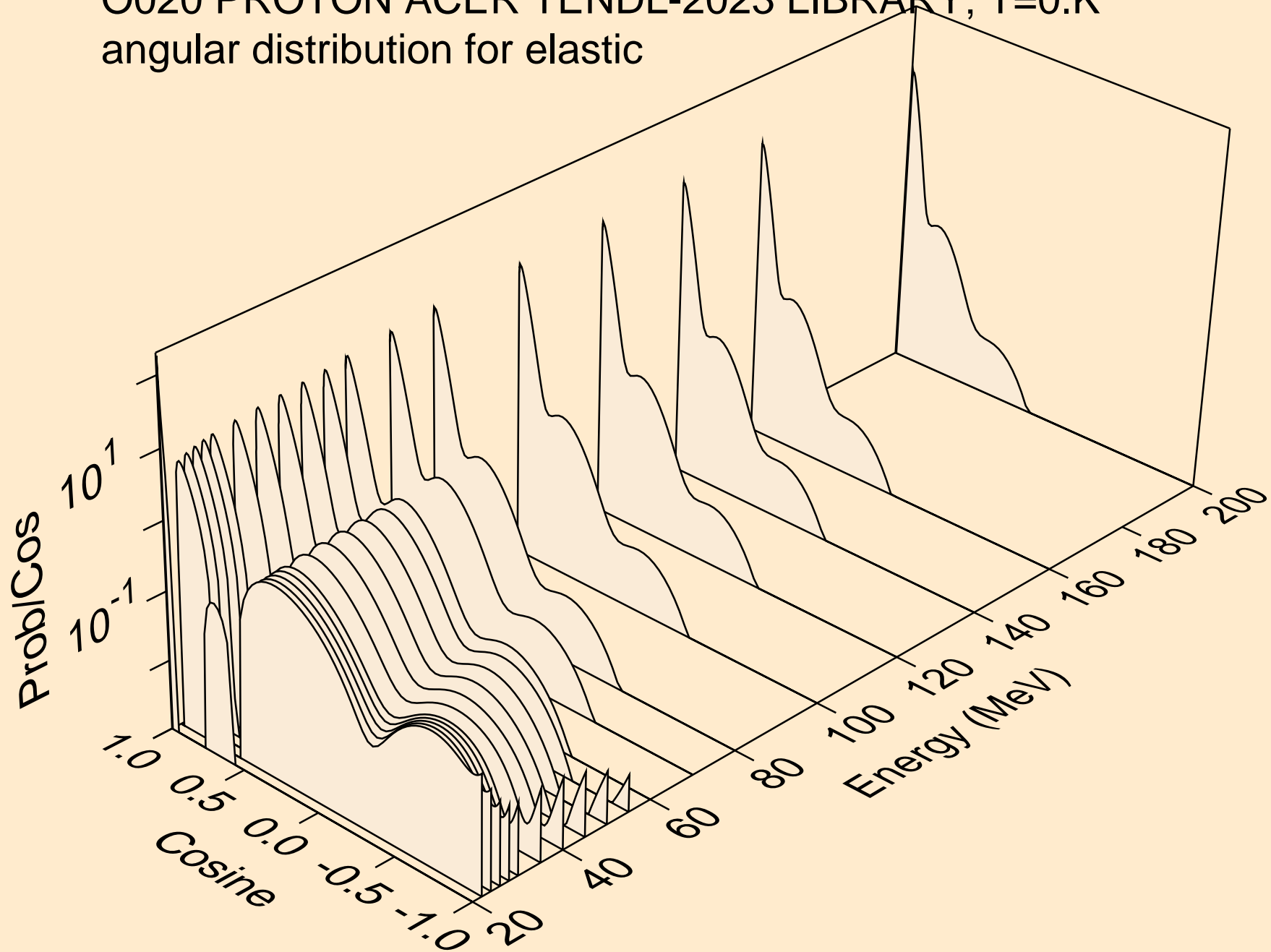


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angular distribution for elastic

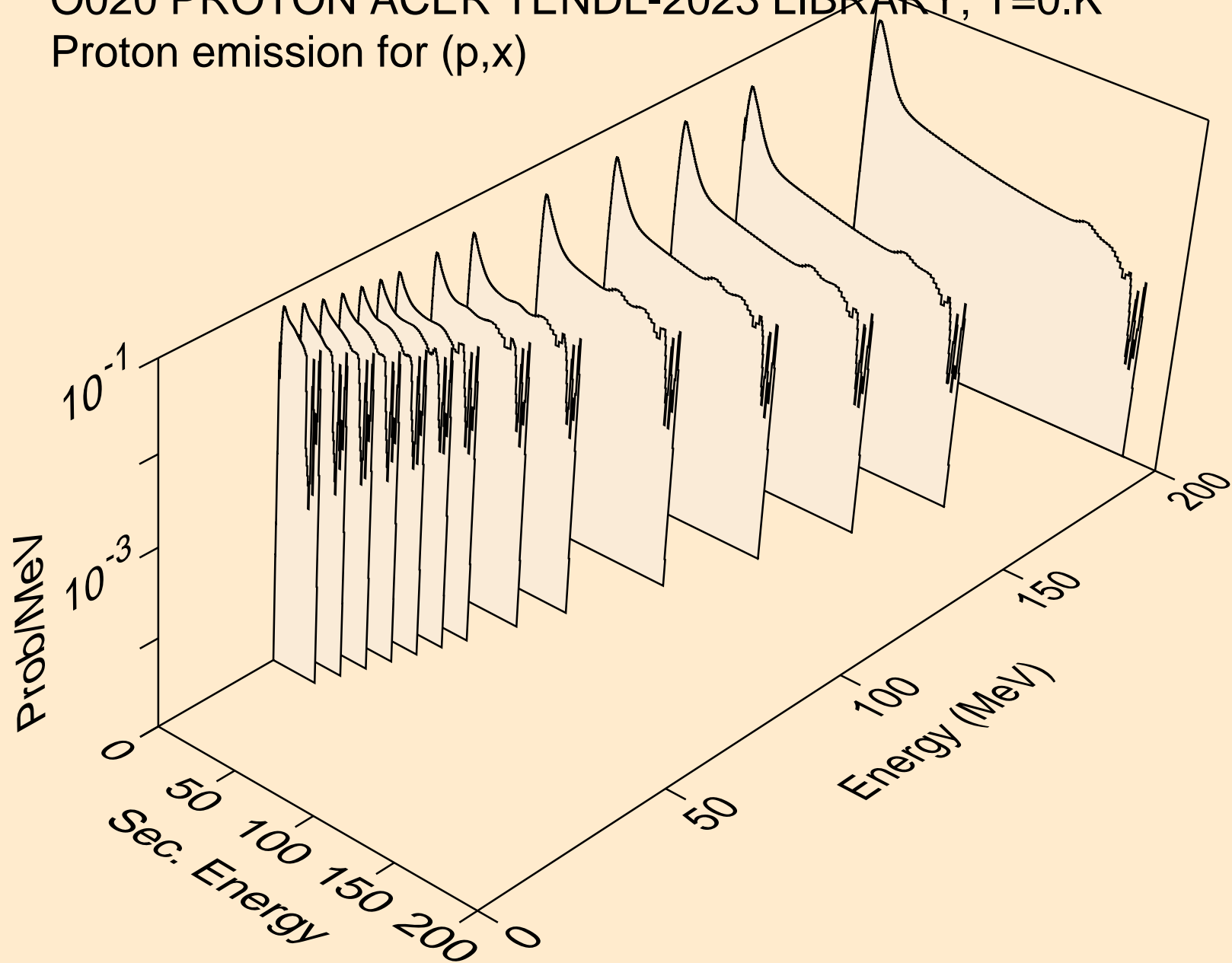




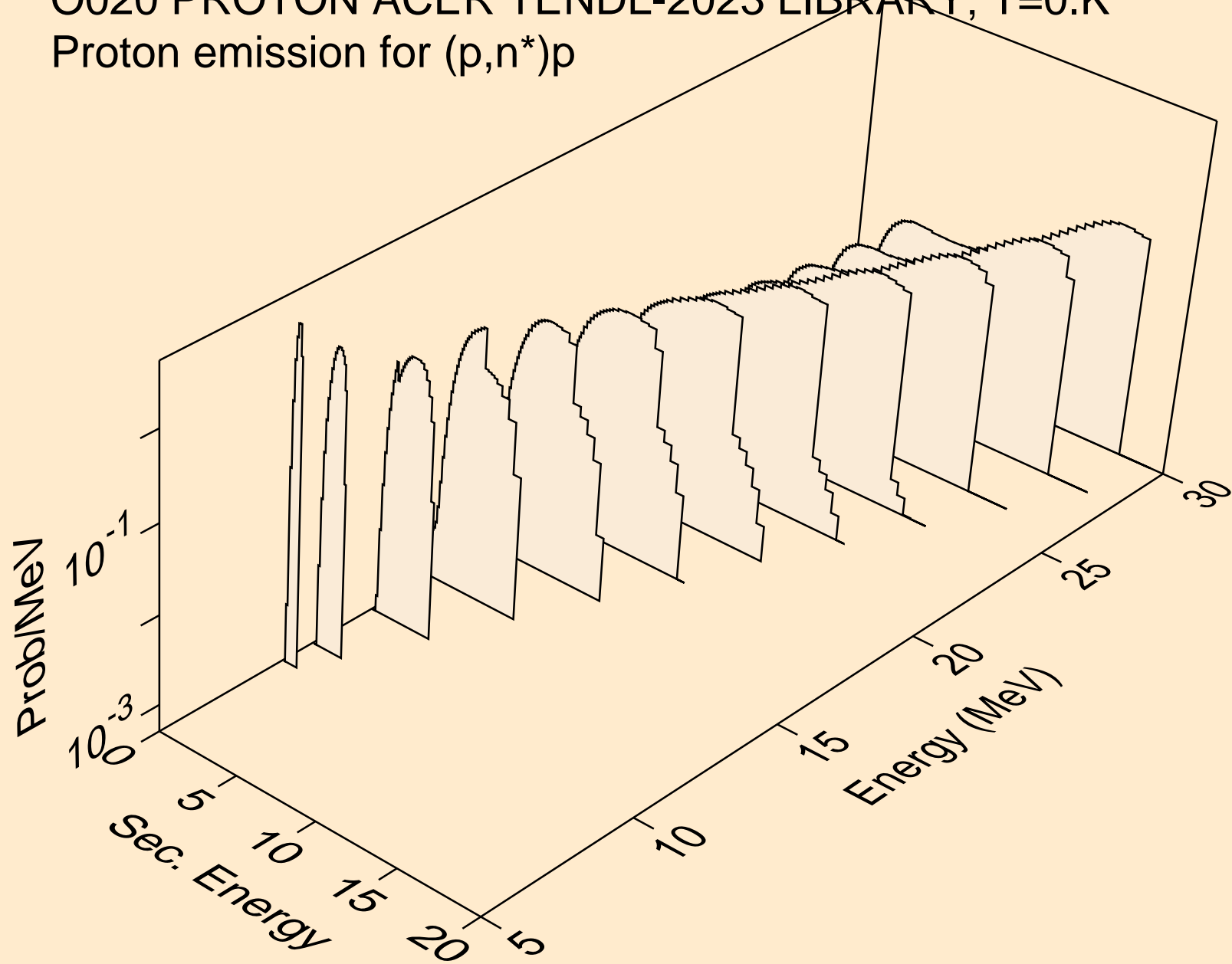
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angular distribution for elastic



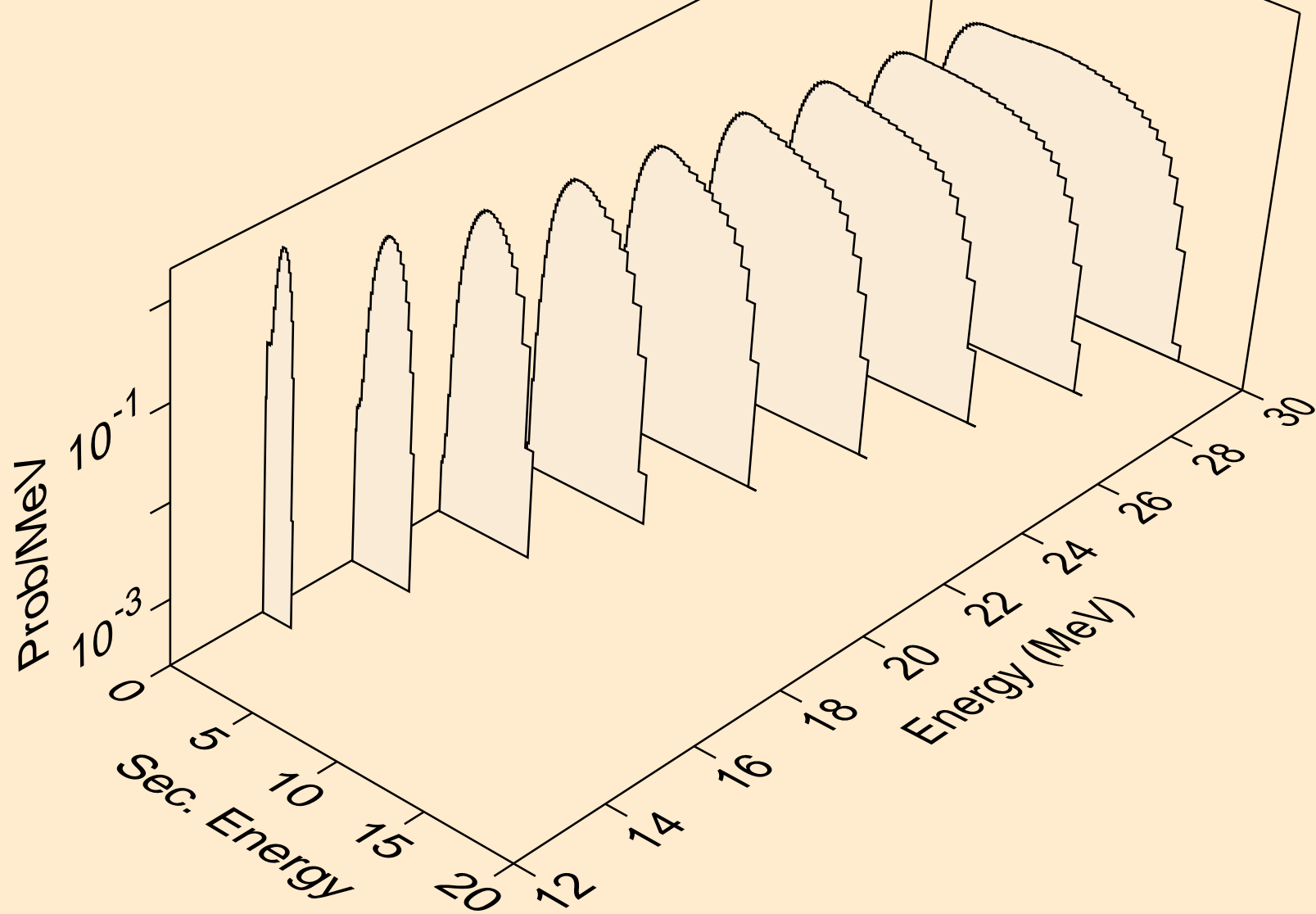
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Proton emission for (p,x)



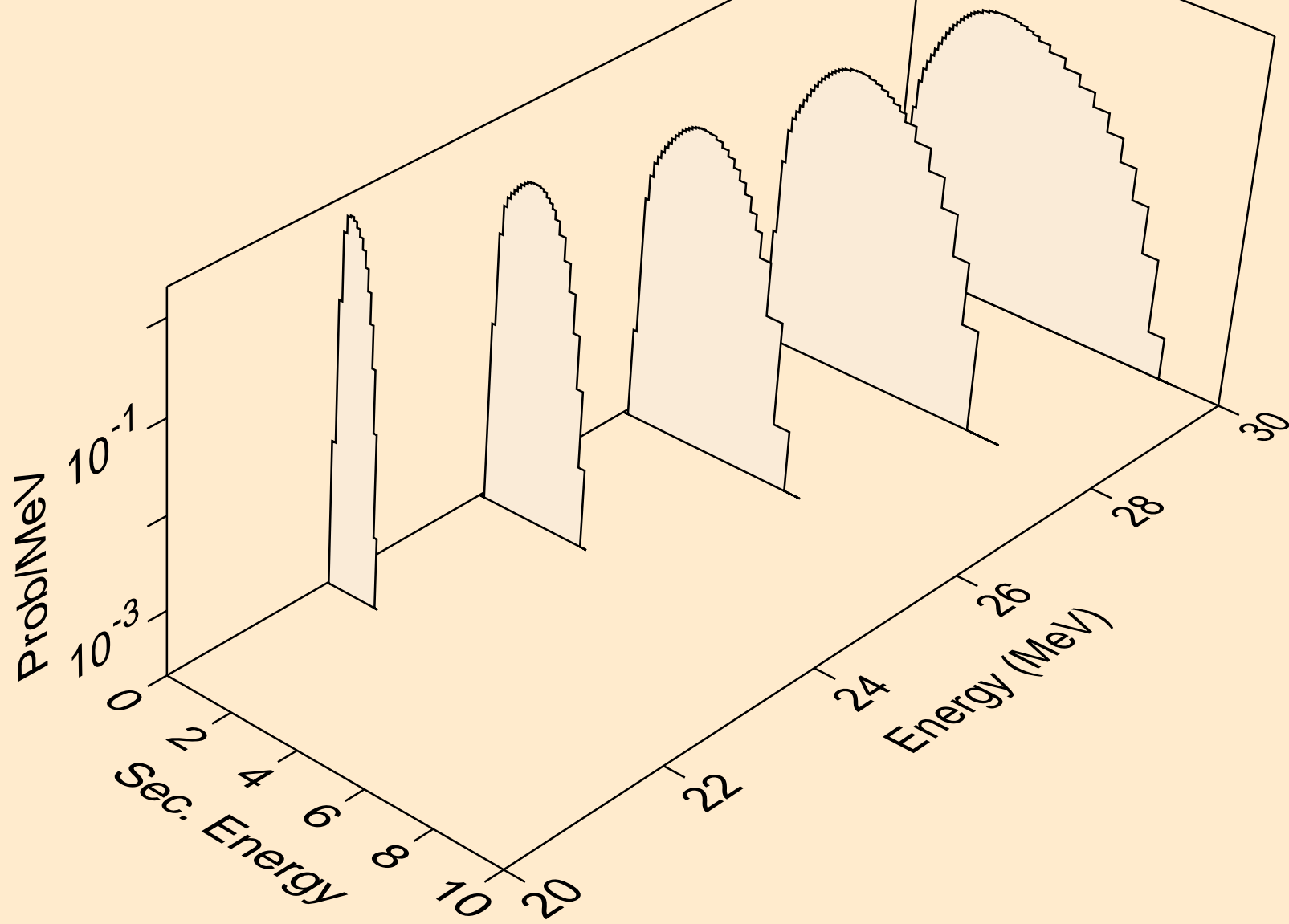
O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



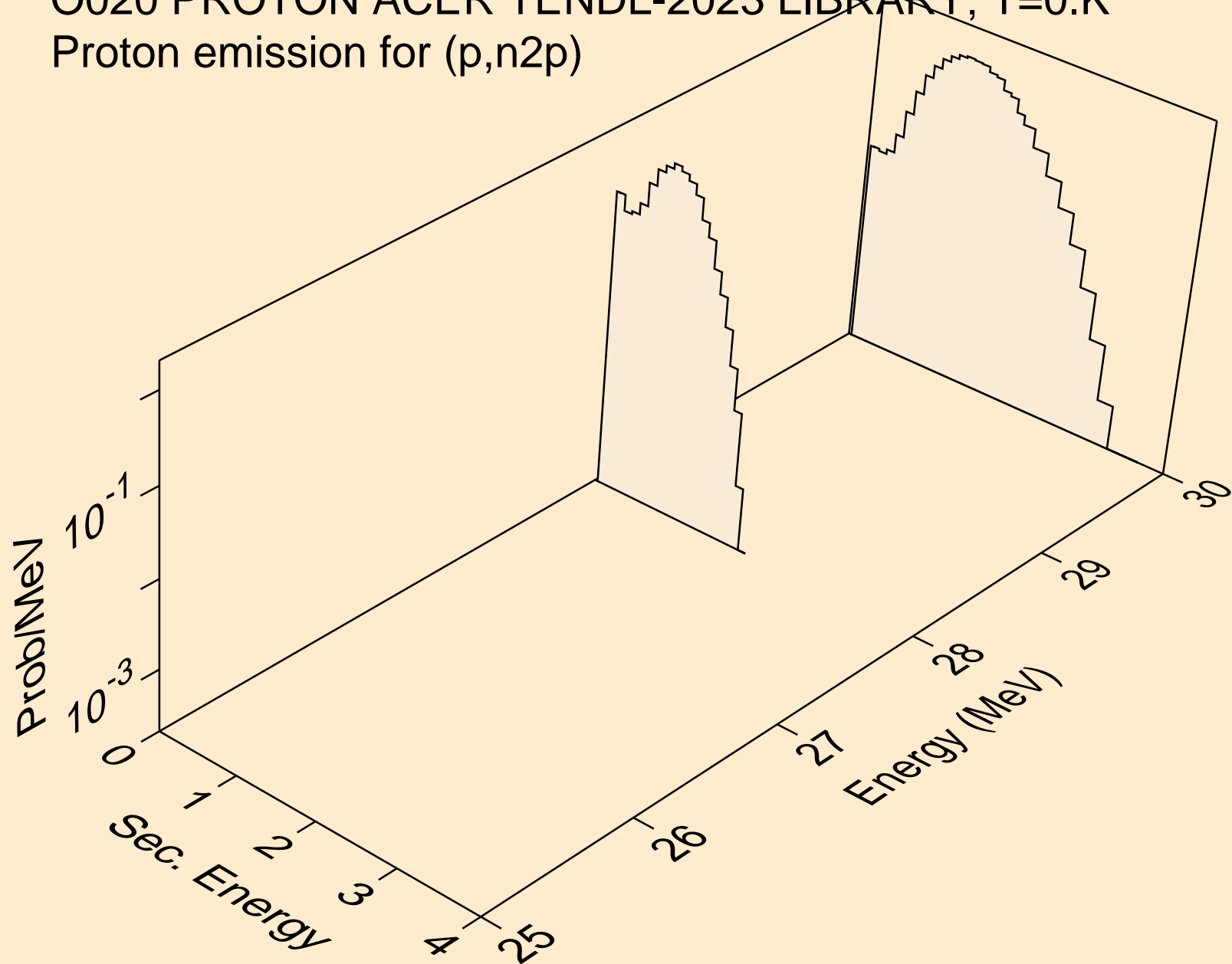
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Proton emission for (p,2np)



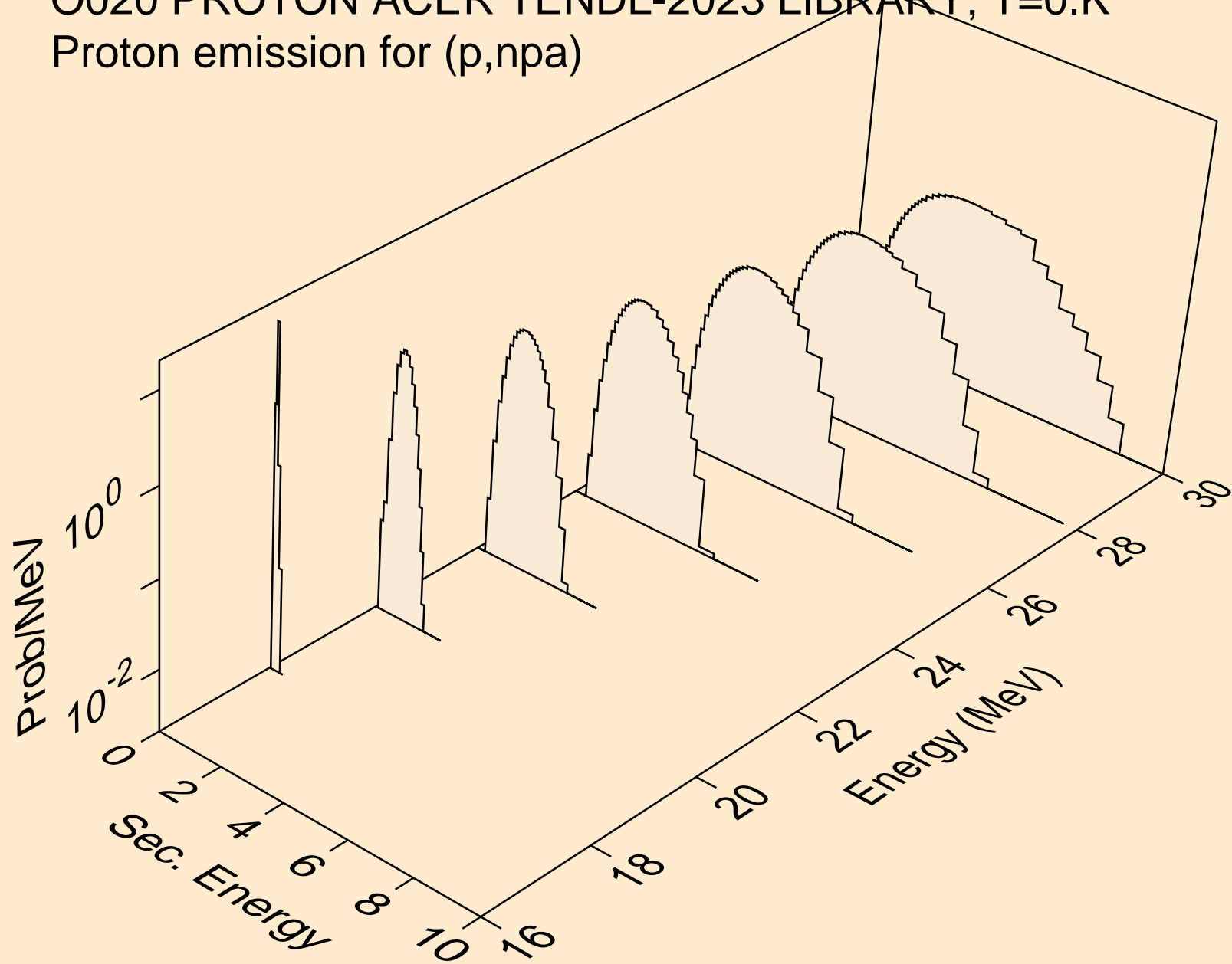
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Proton emission for (p,3np)



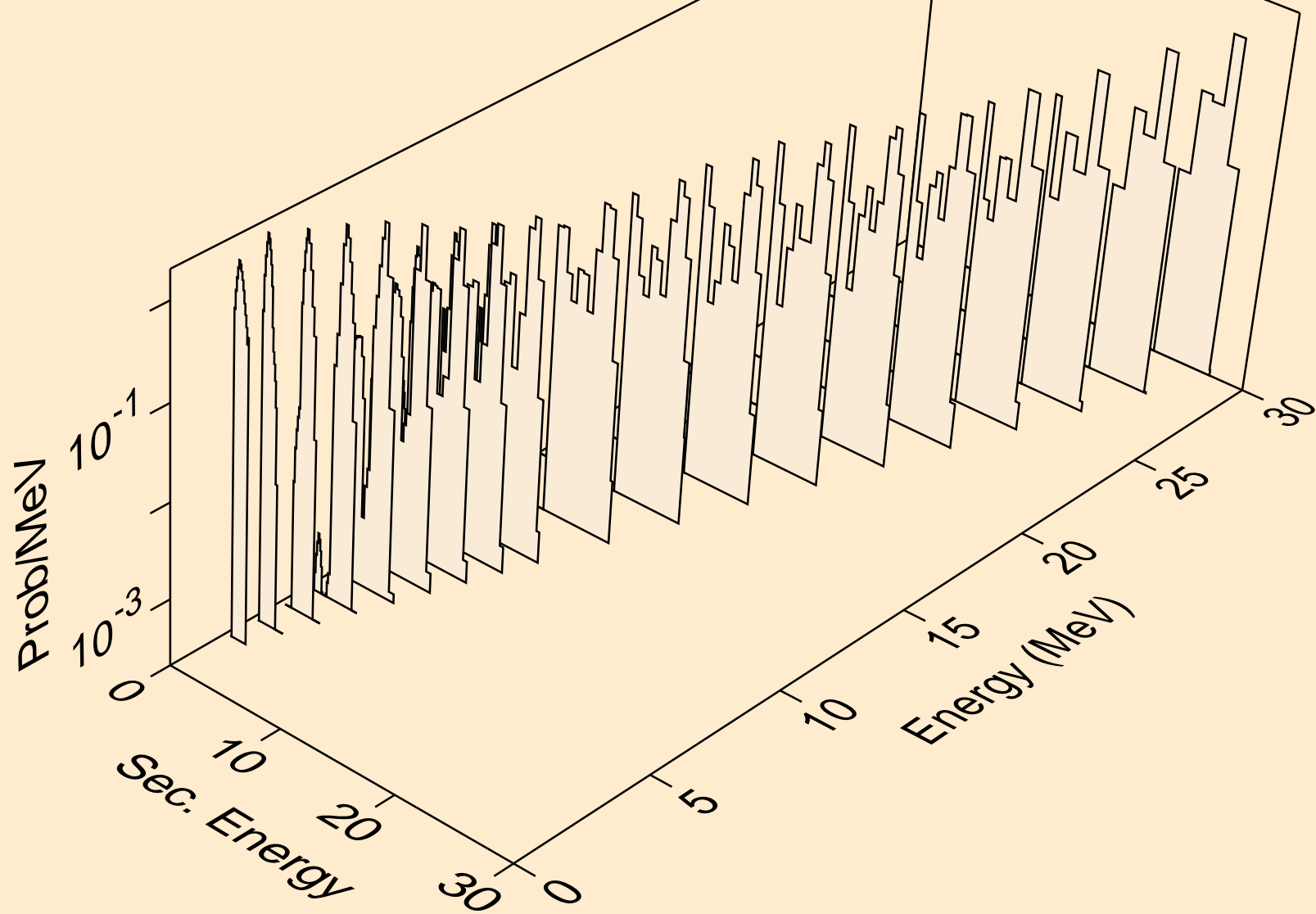
O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)



O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,npa)

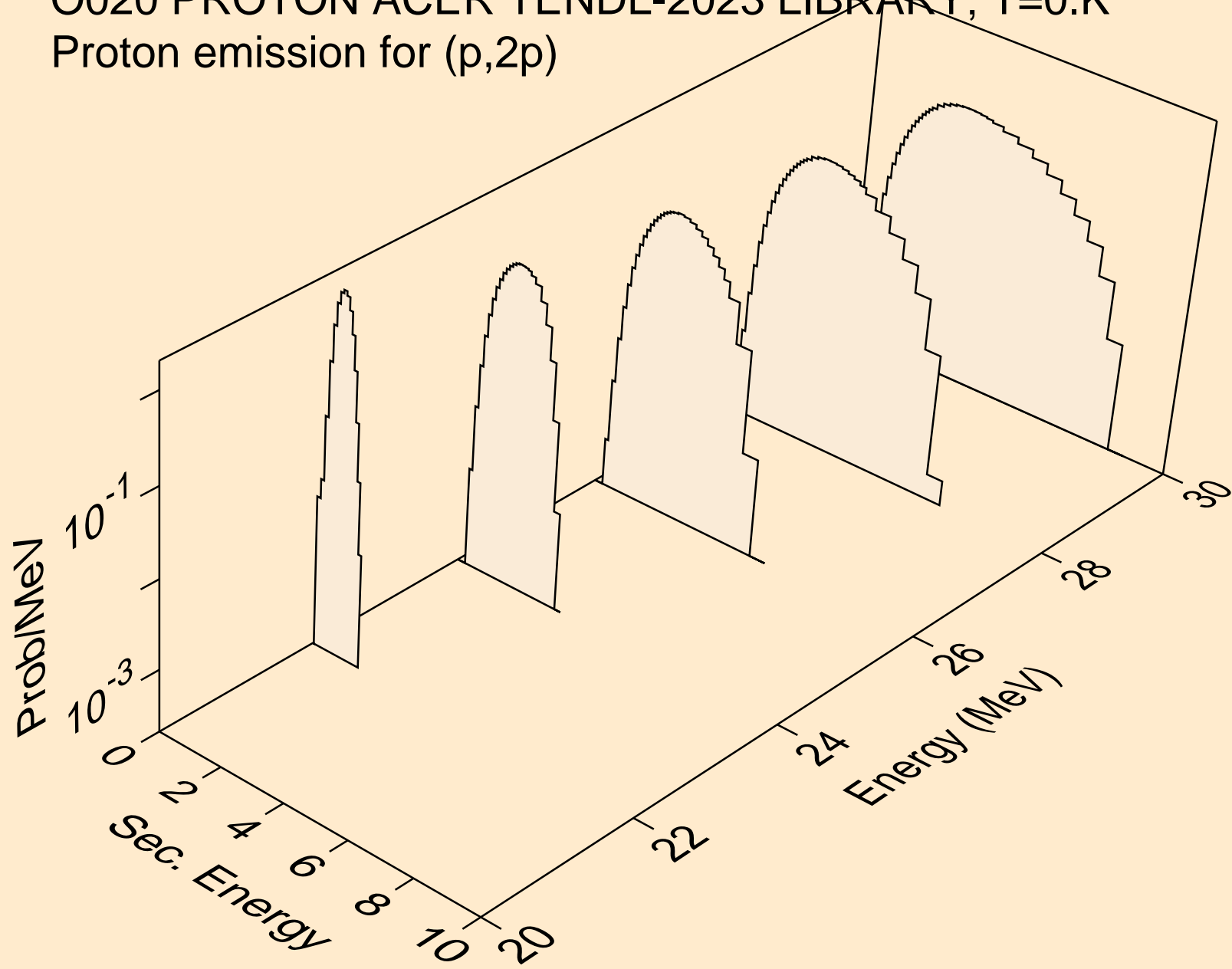


O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic

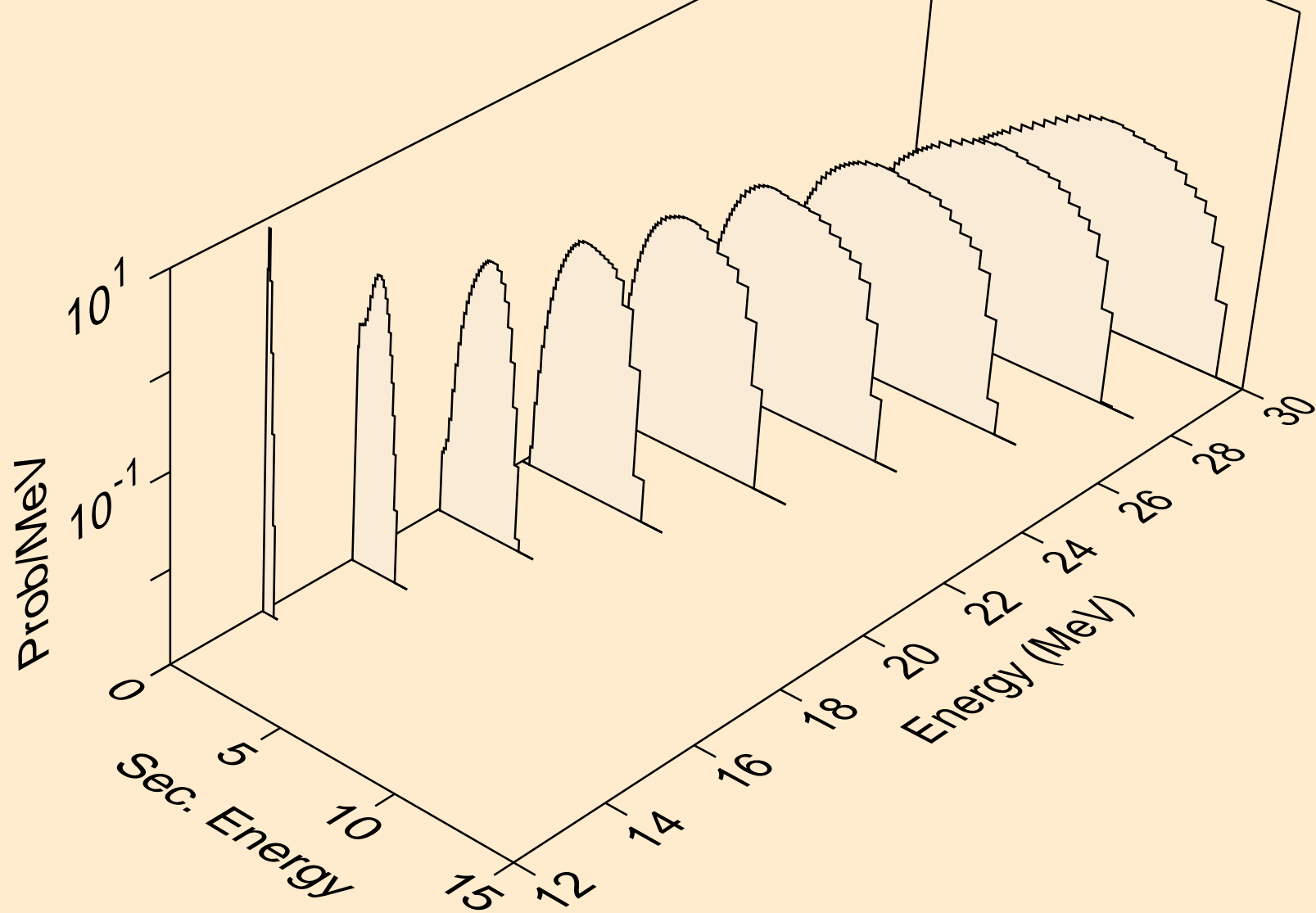




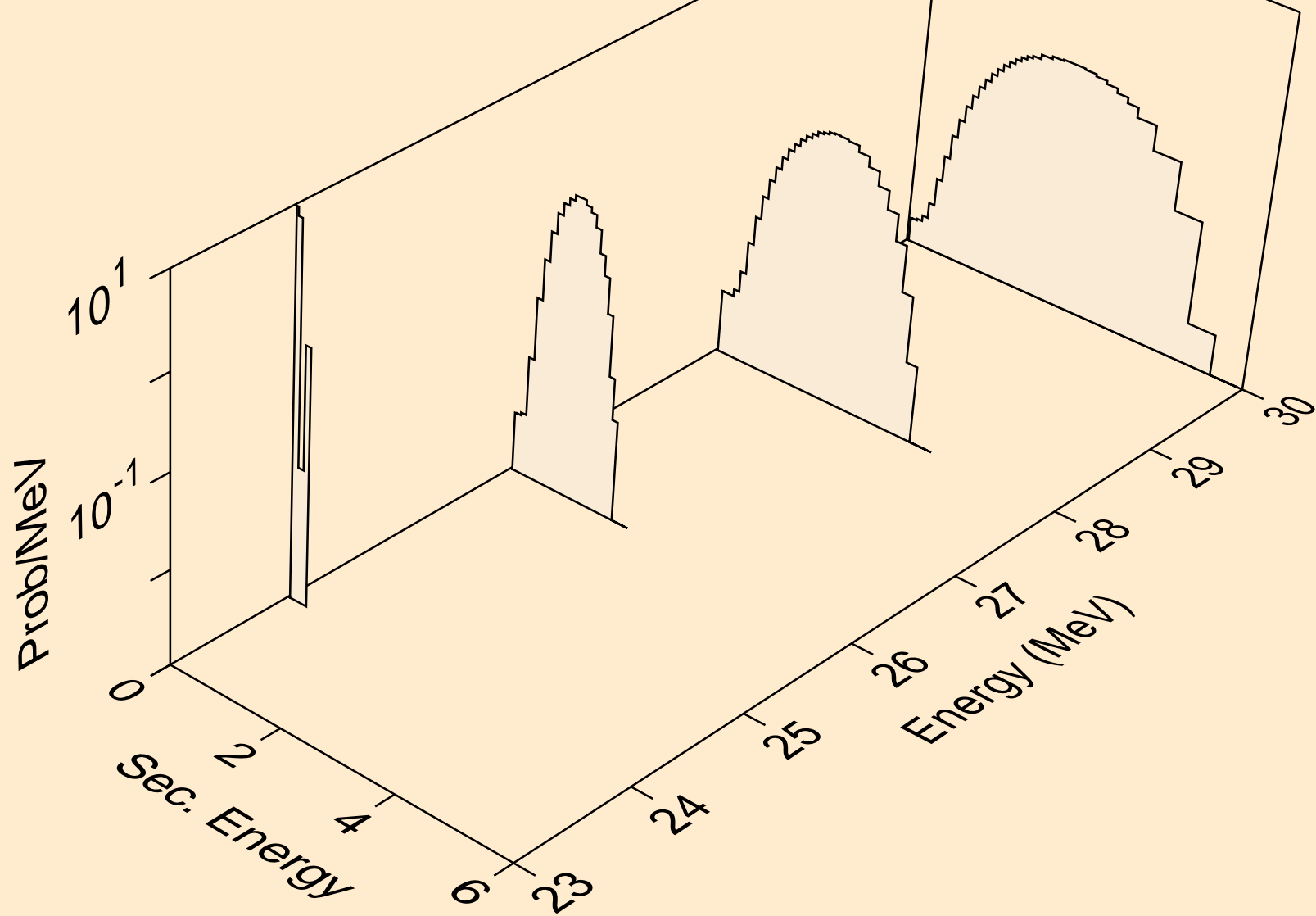
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Proton emission for (p,2p)



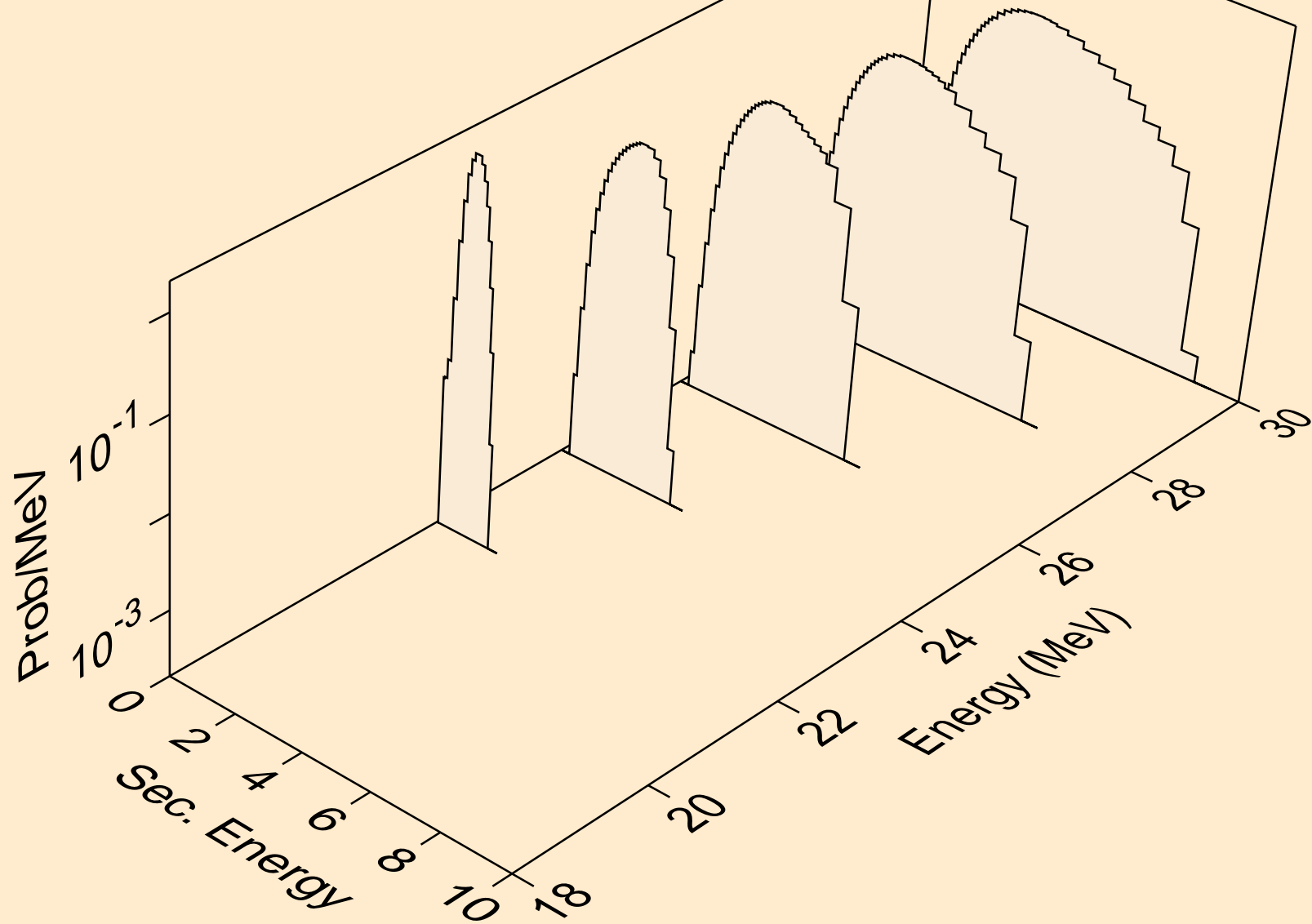
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Proton emission for (p,pa)



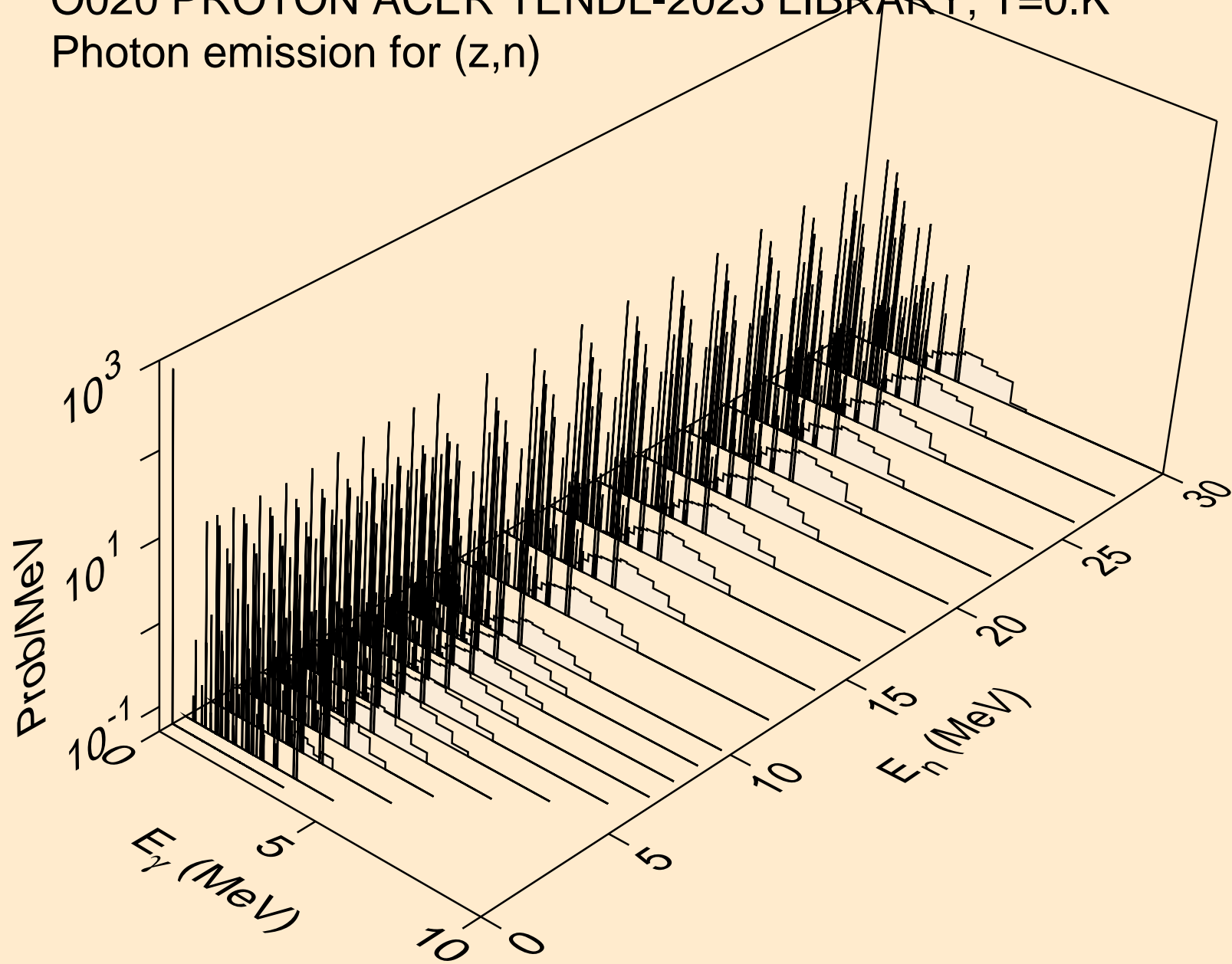
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Proton emission for (p,pd)



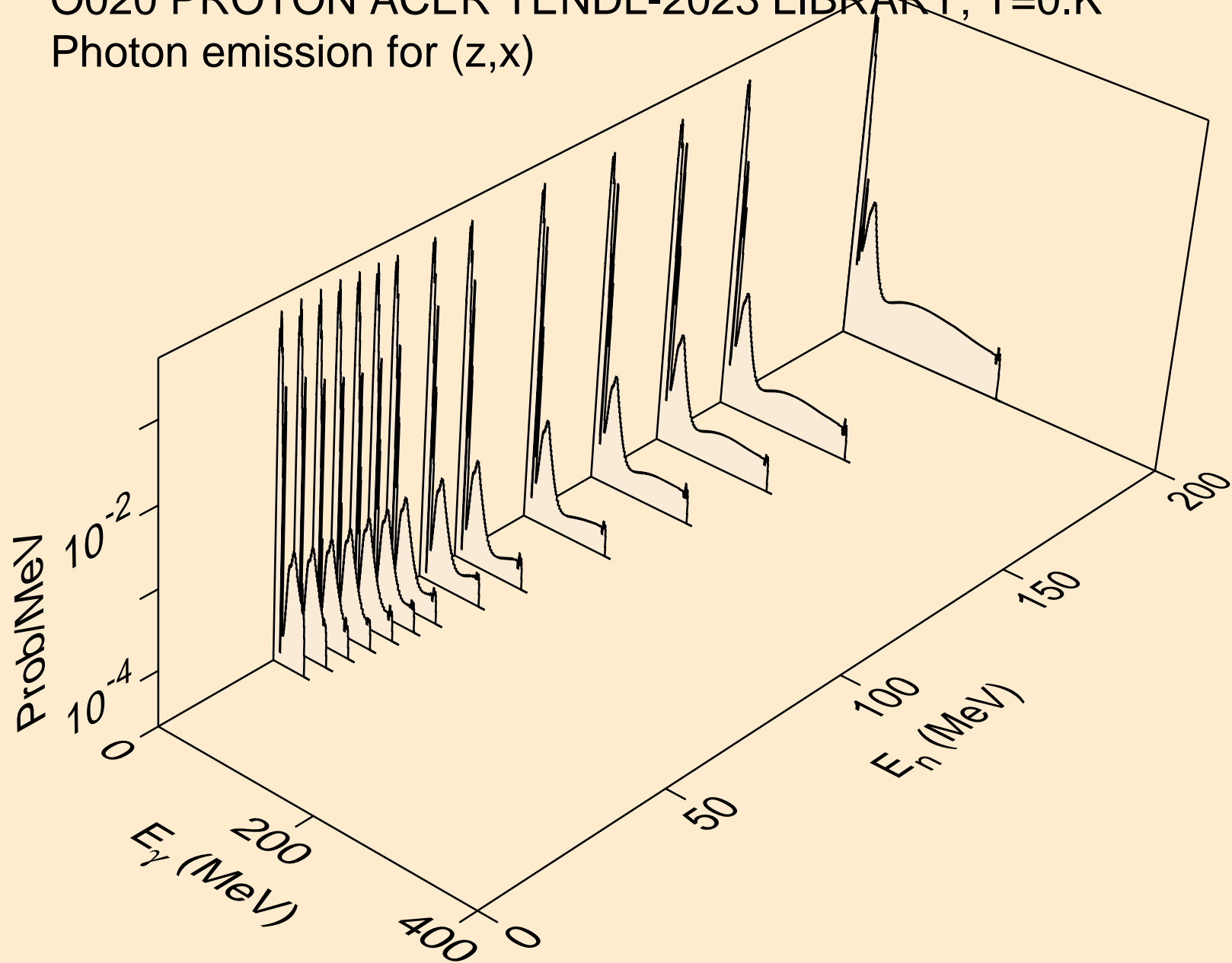
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Proton emission for (p,pt)



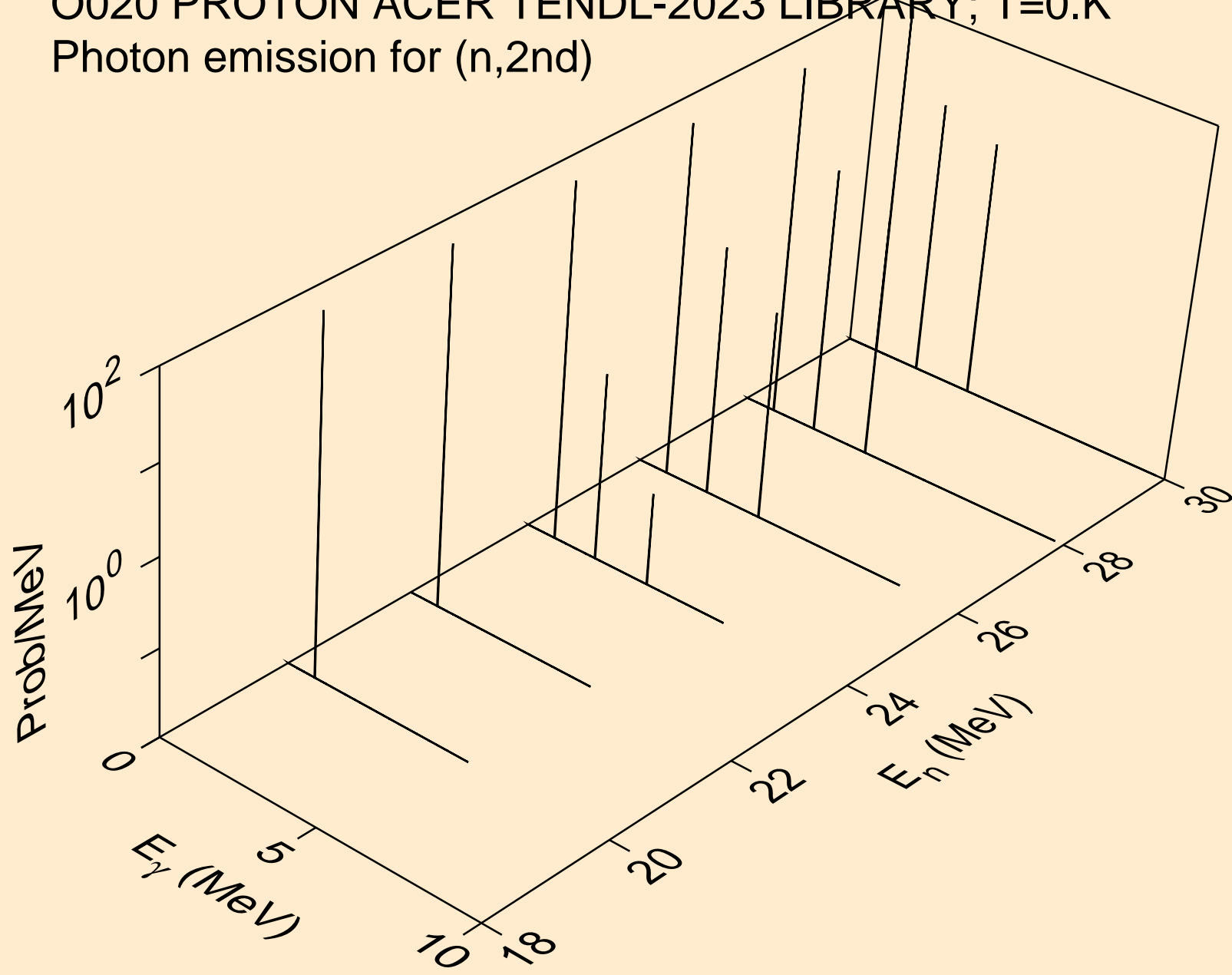
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Photon emission for (z,n)



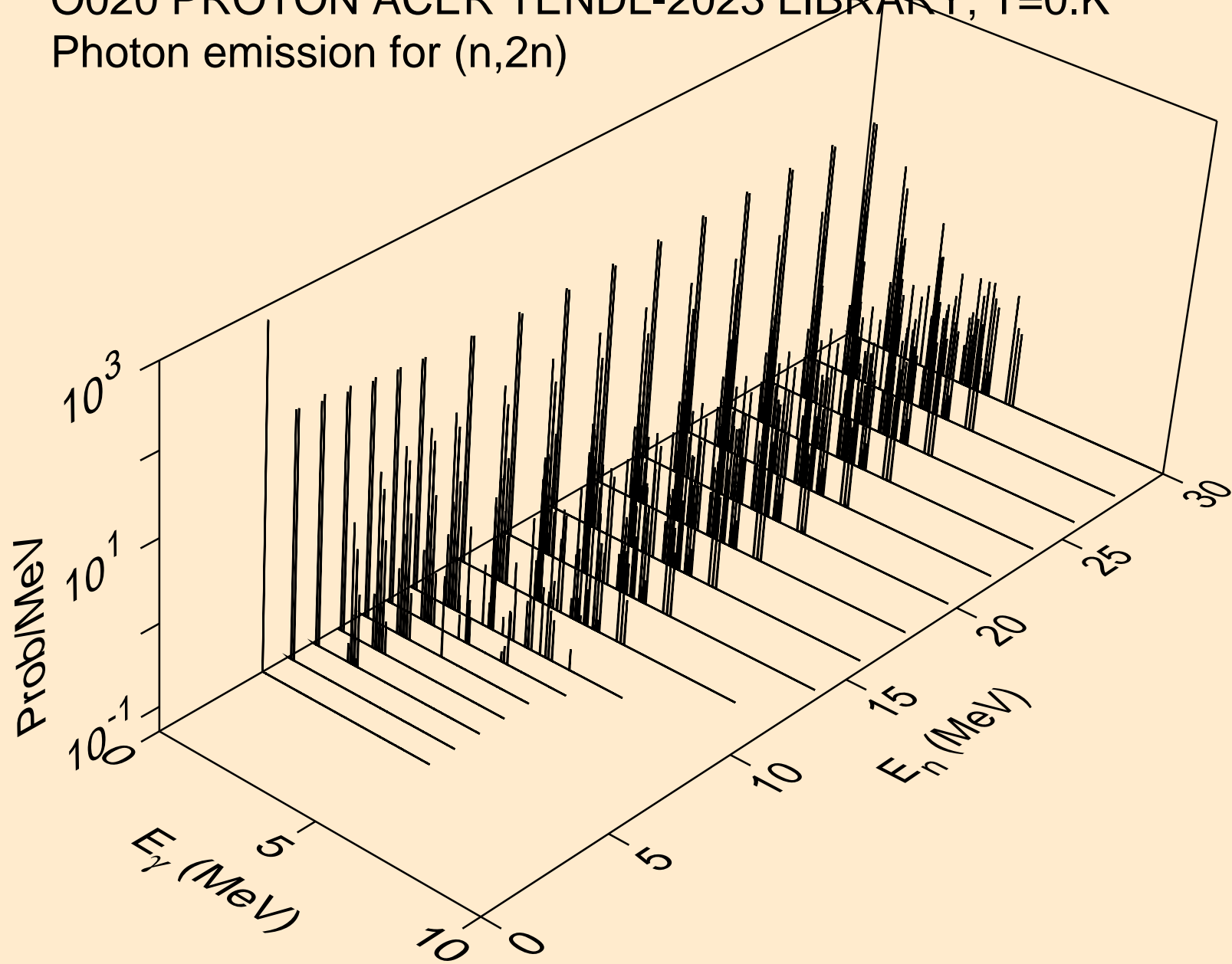
O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)

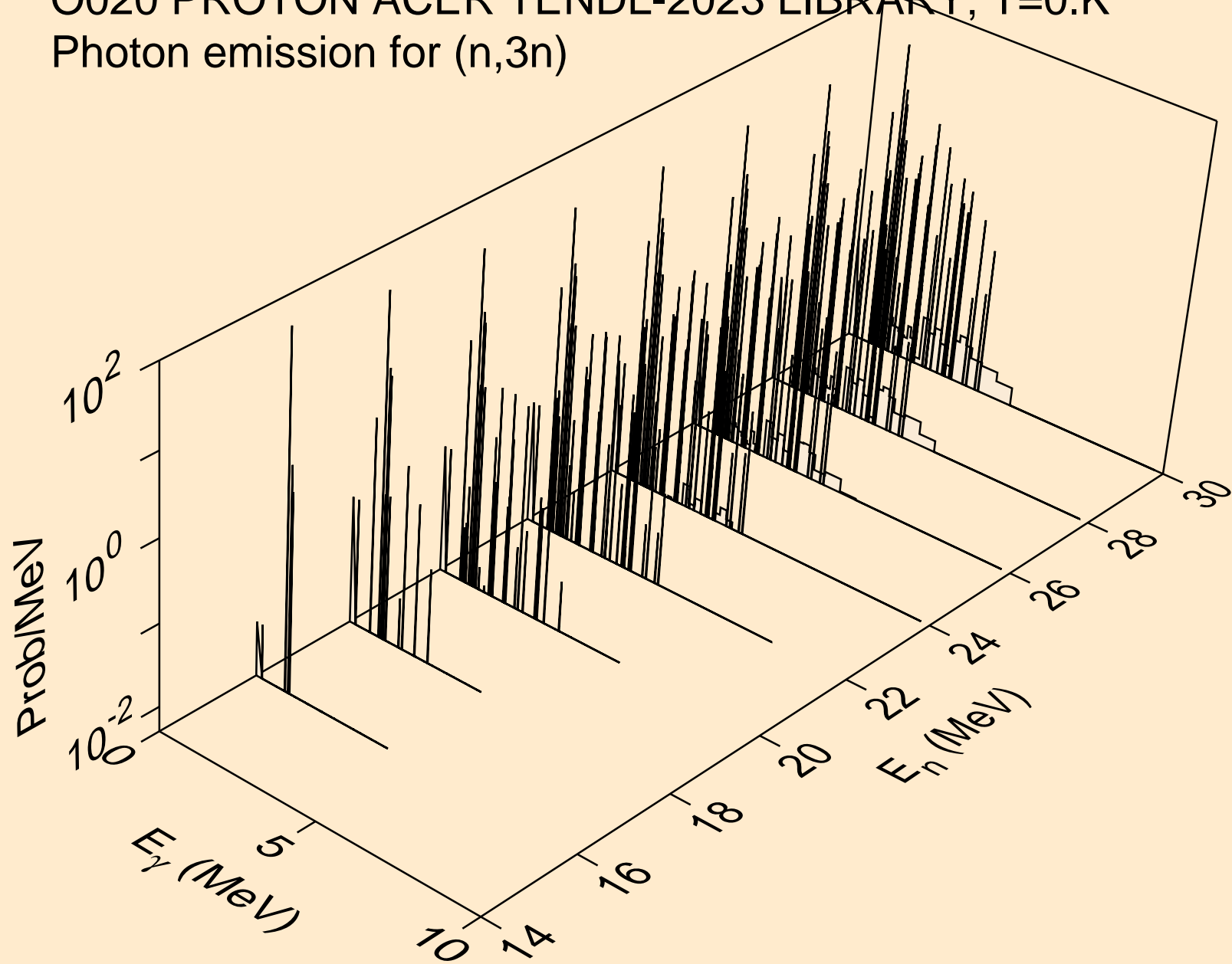


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Photon emission for (n,2n)

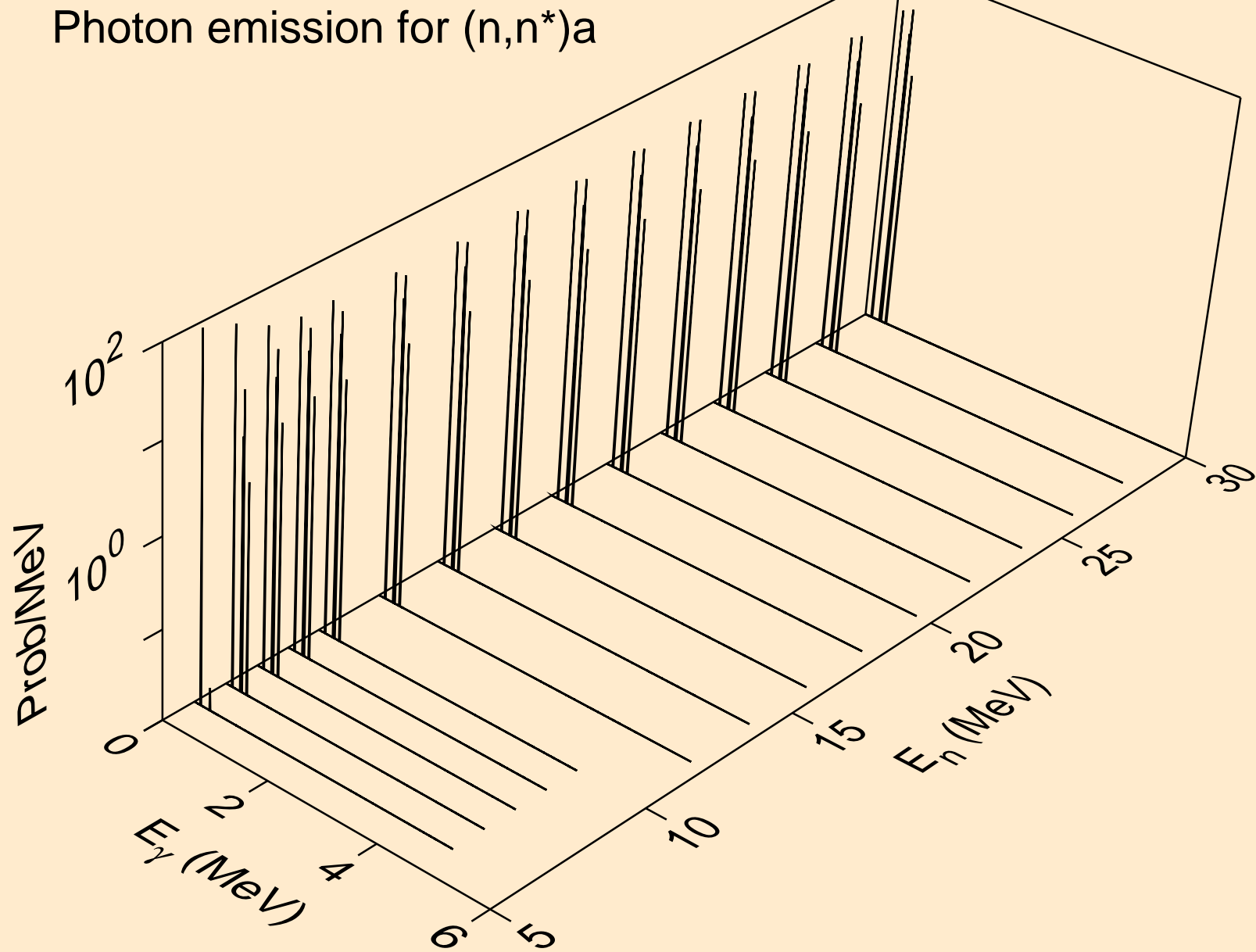




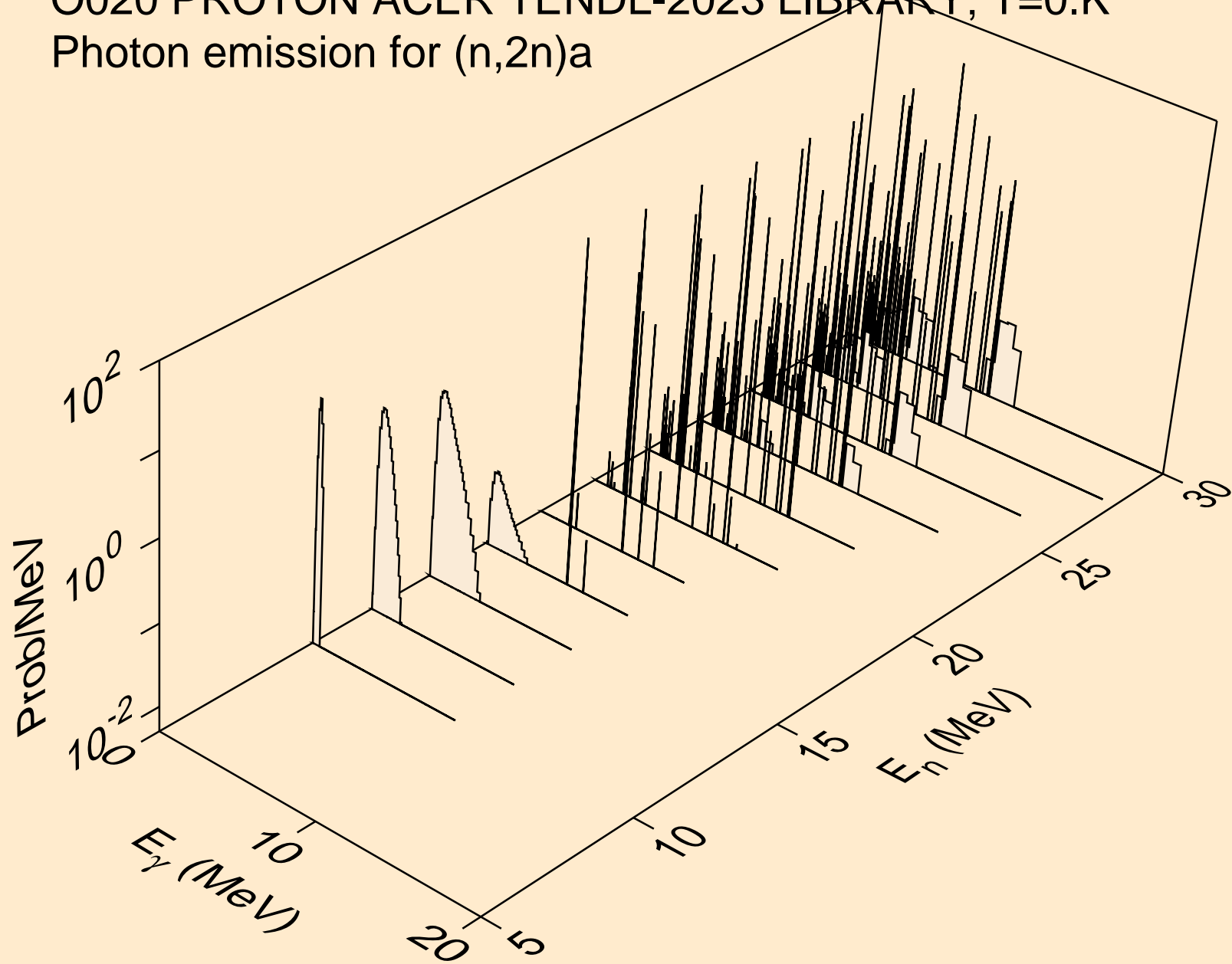
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Photon emission for (n,3n)



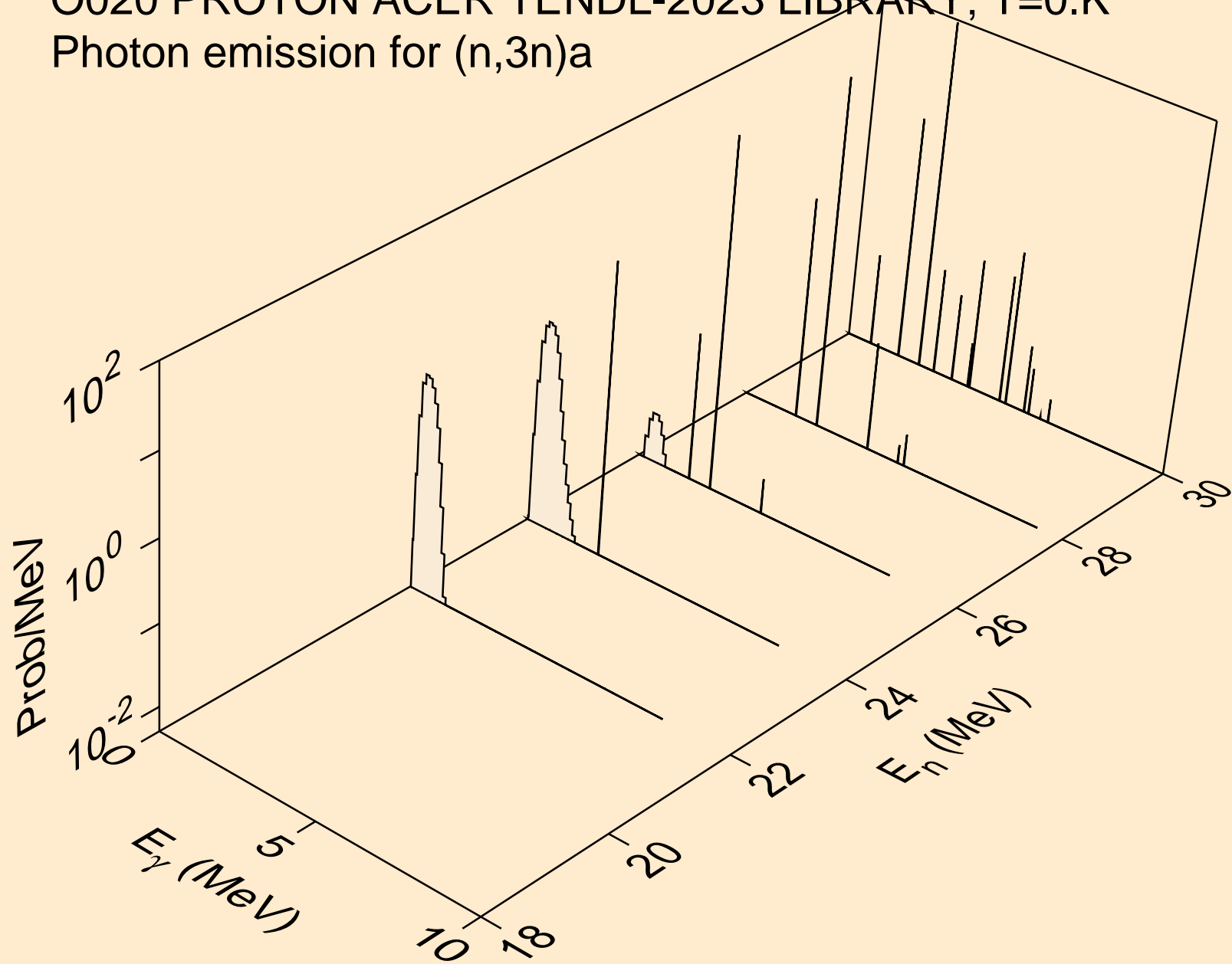
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Photon emission for (n,n\*)a



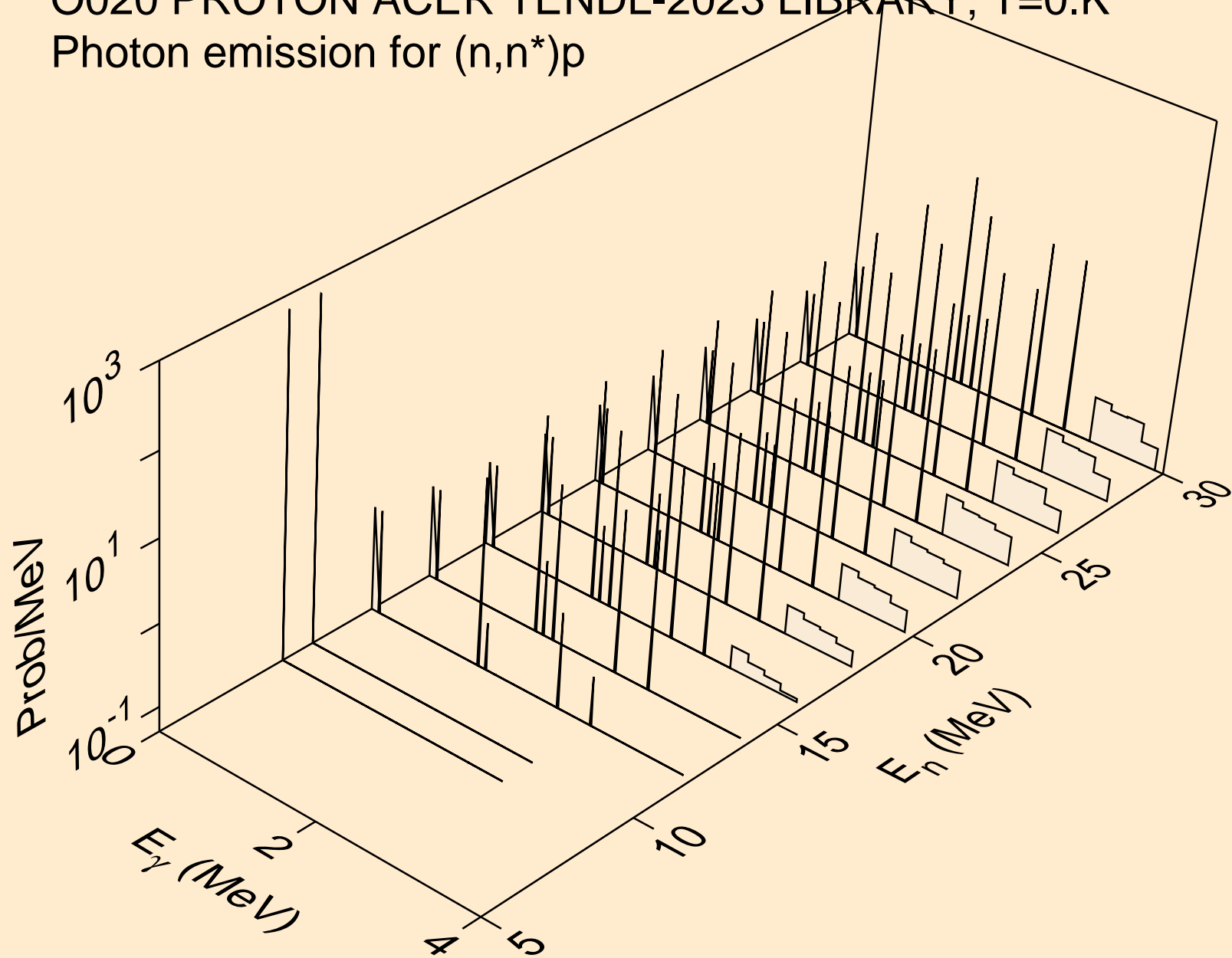
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Photon emission for (n,2n)a



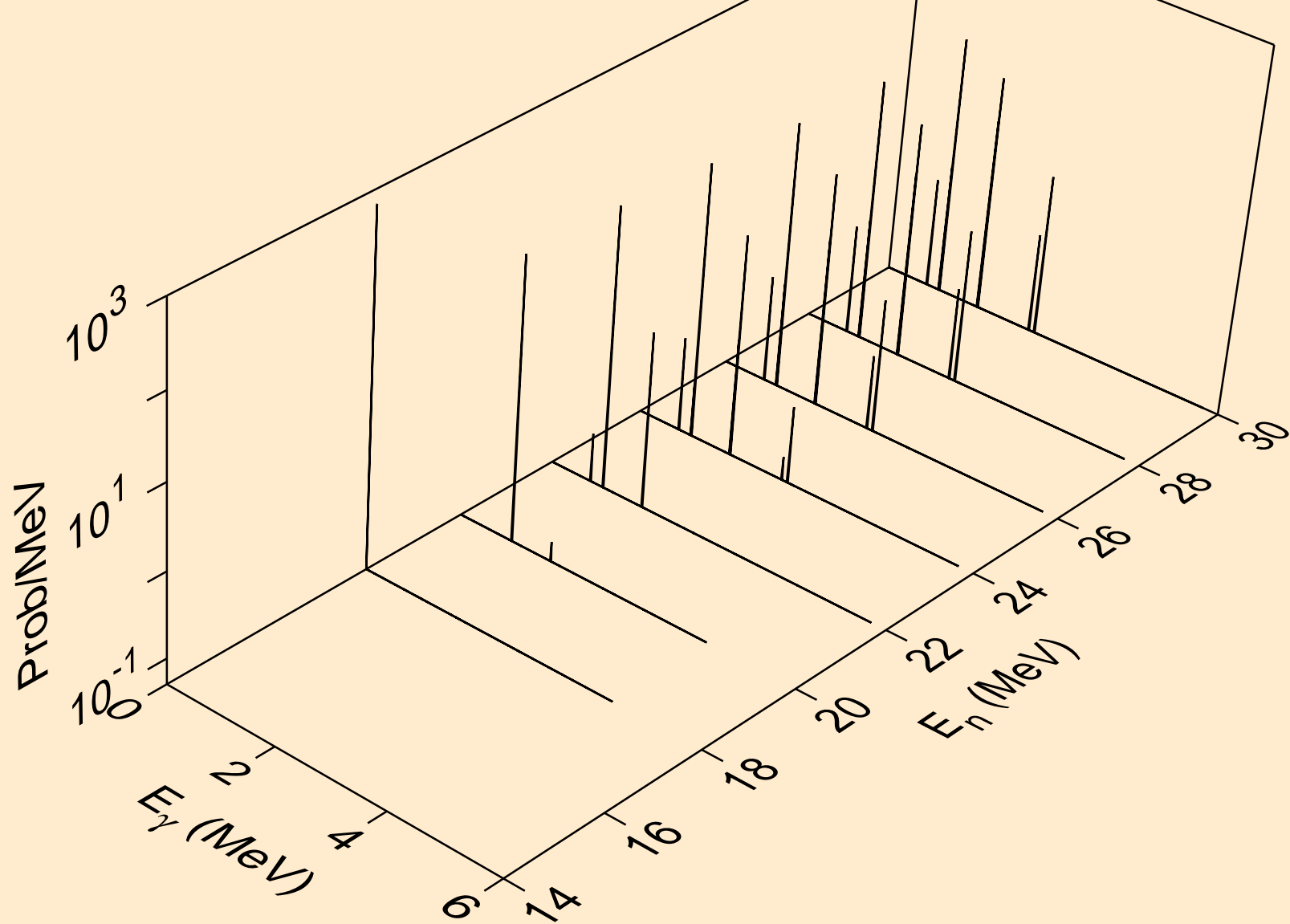
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Photon emission for (n,3n)a



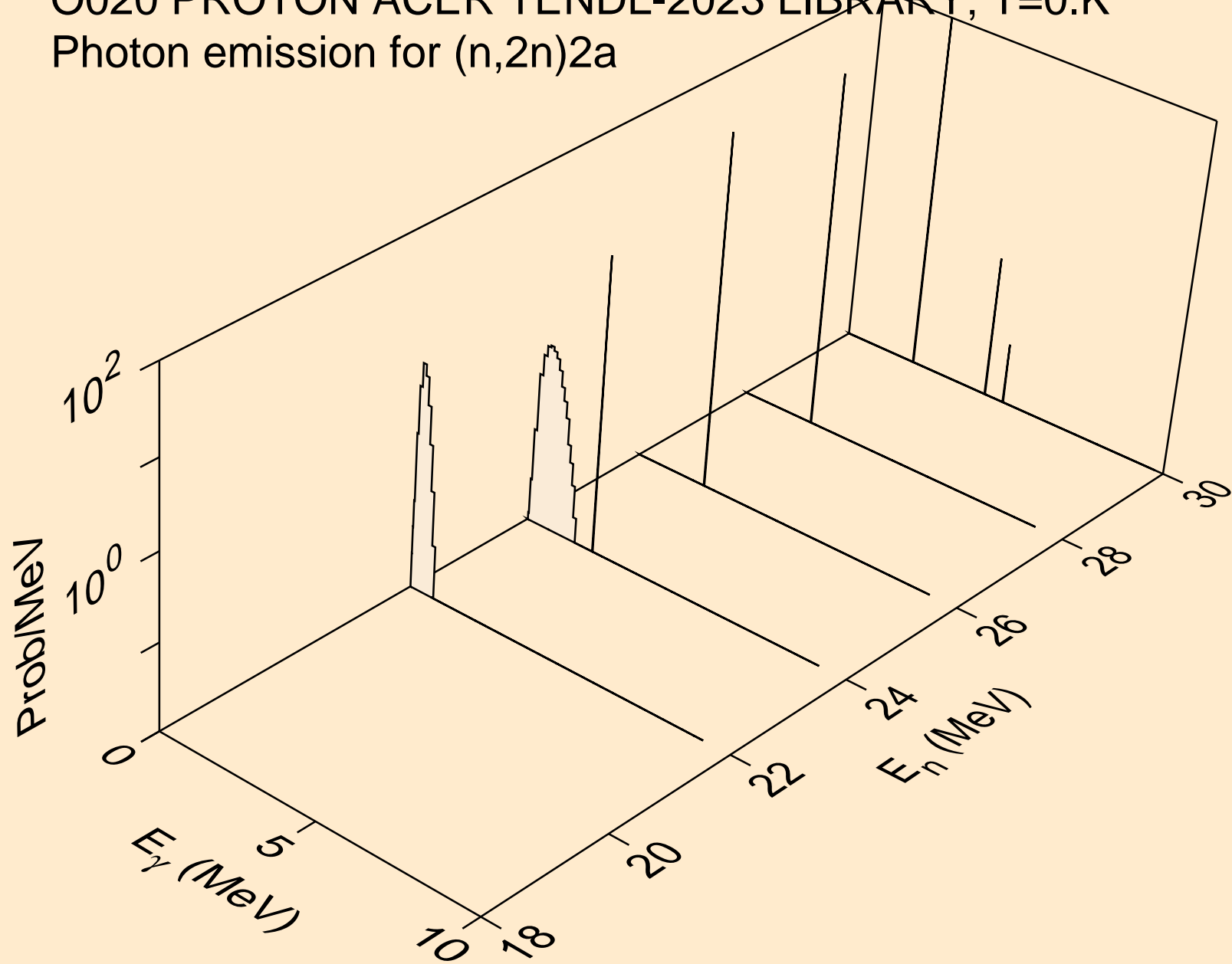
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Photon emission for (n,n\*)p



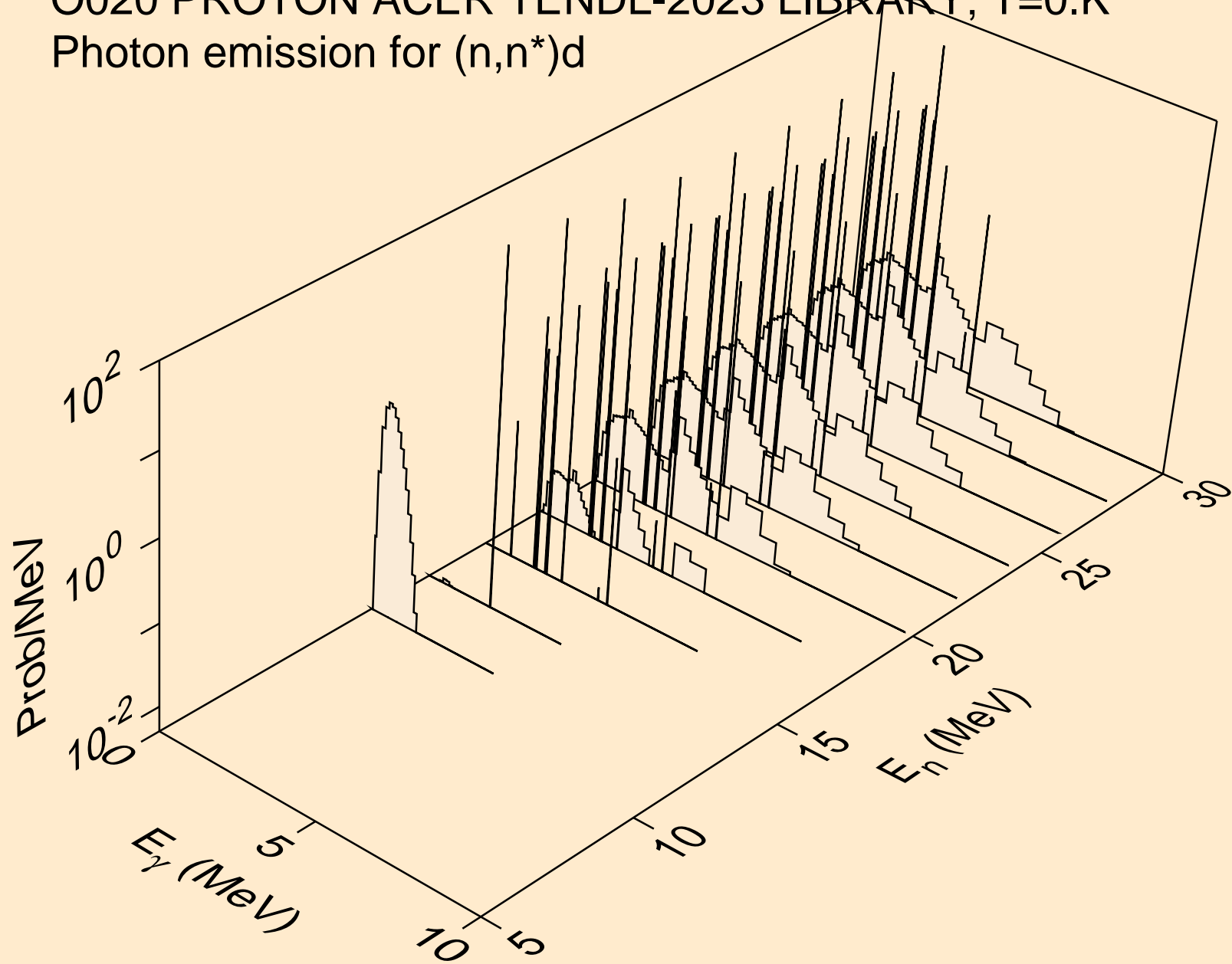
O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a

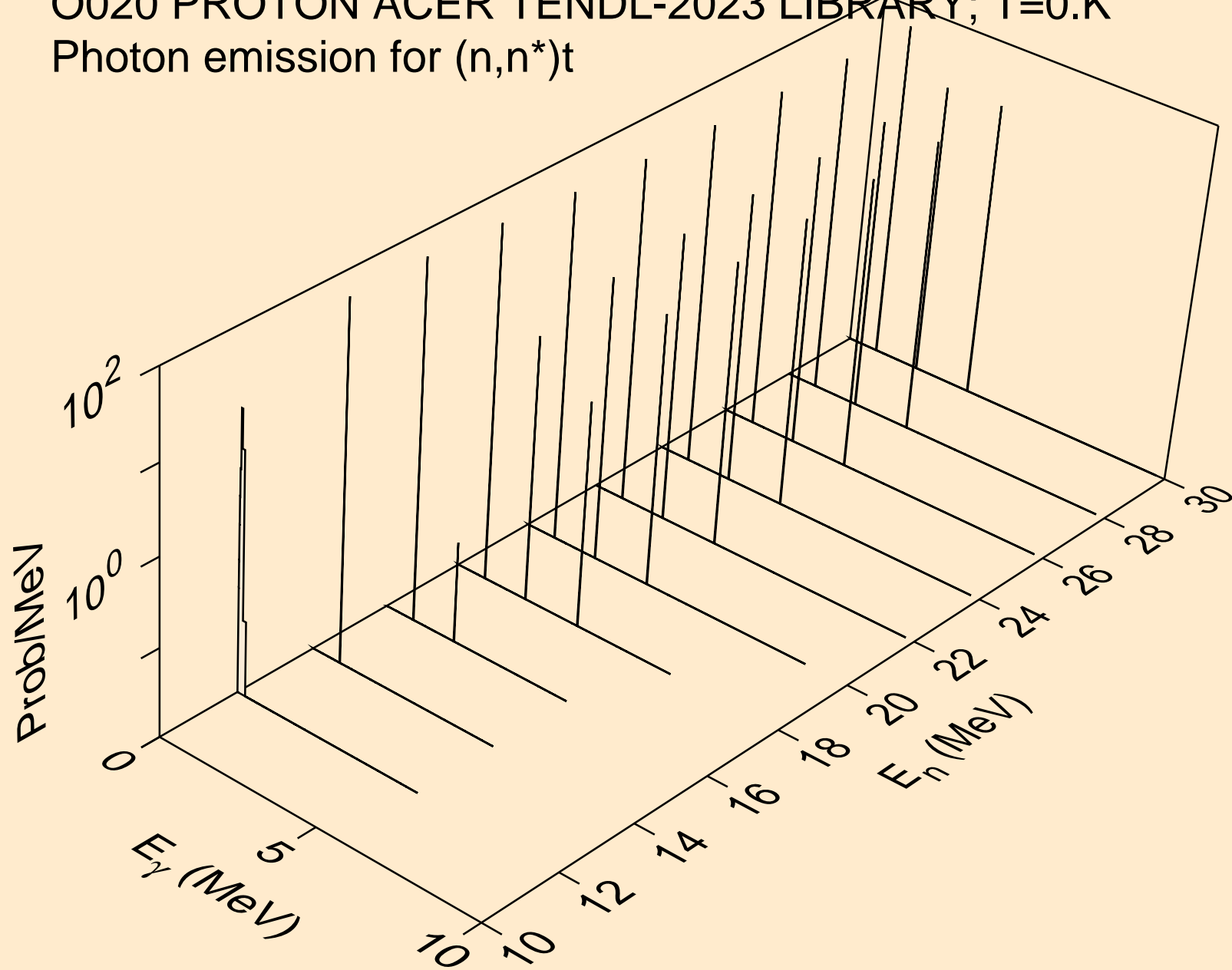


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Photon emission for (n,n\*)d

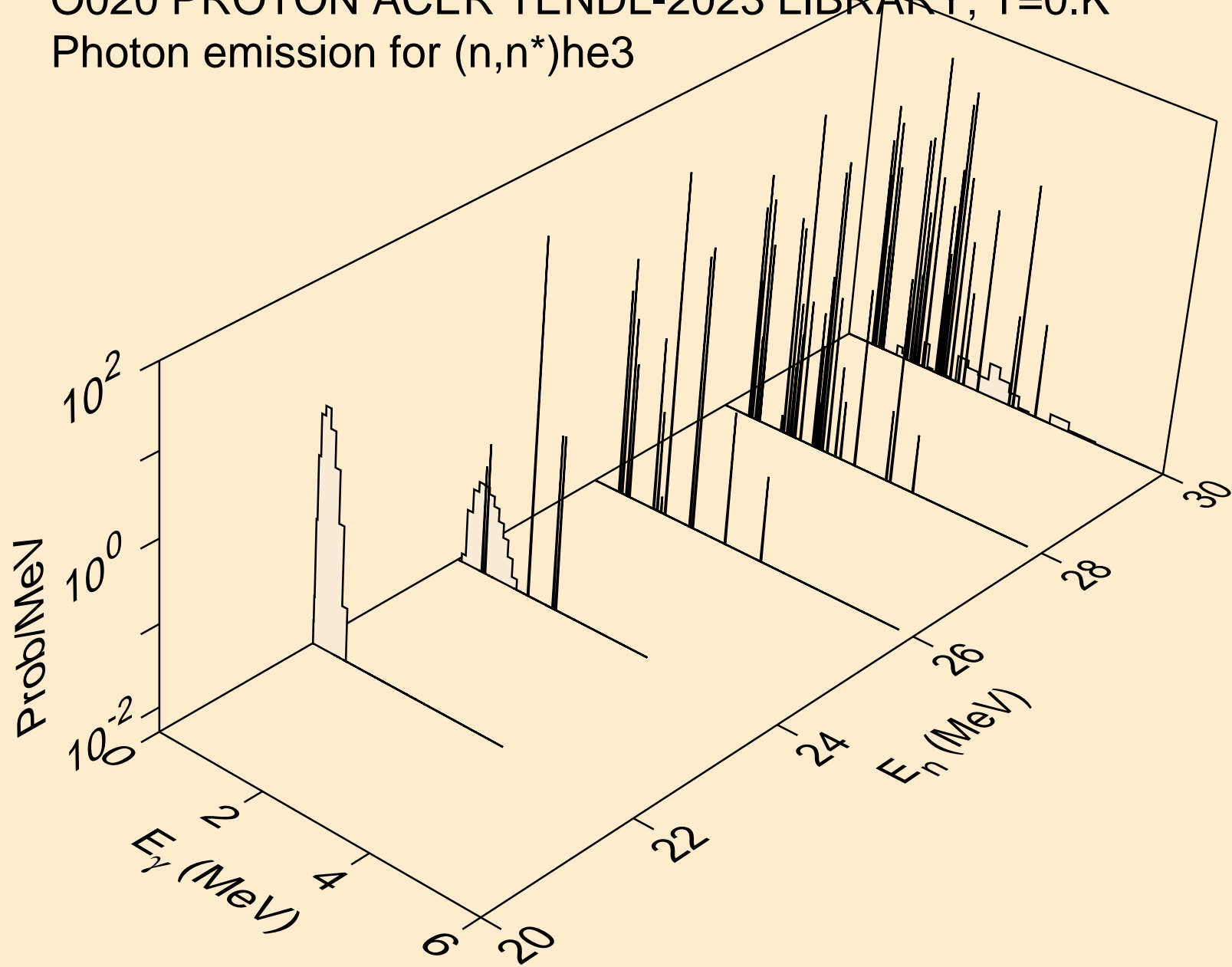




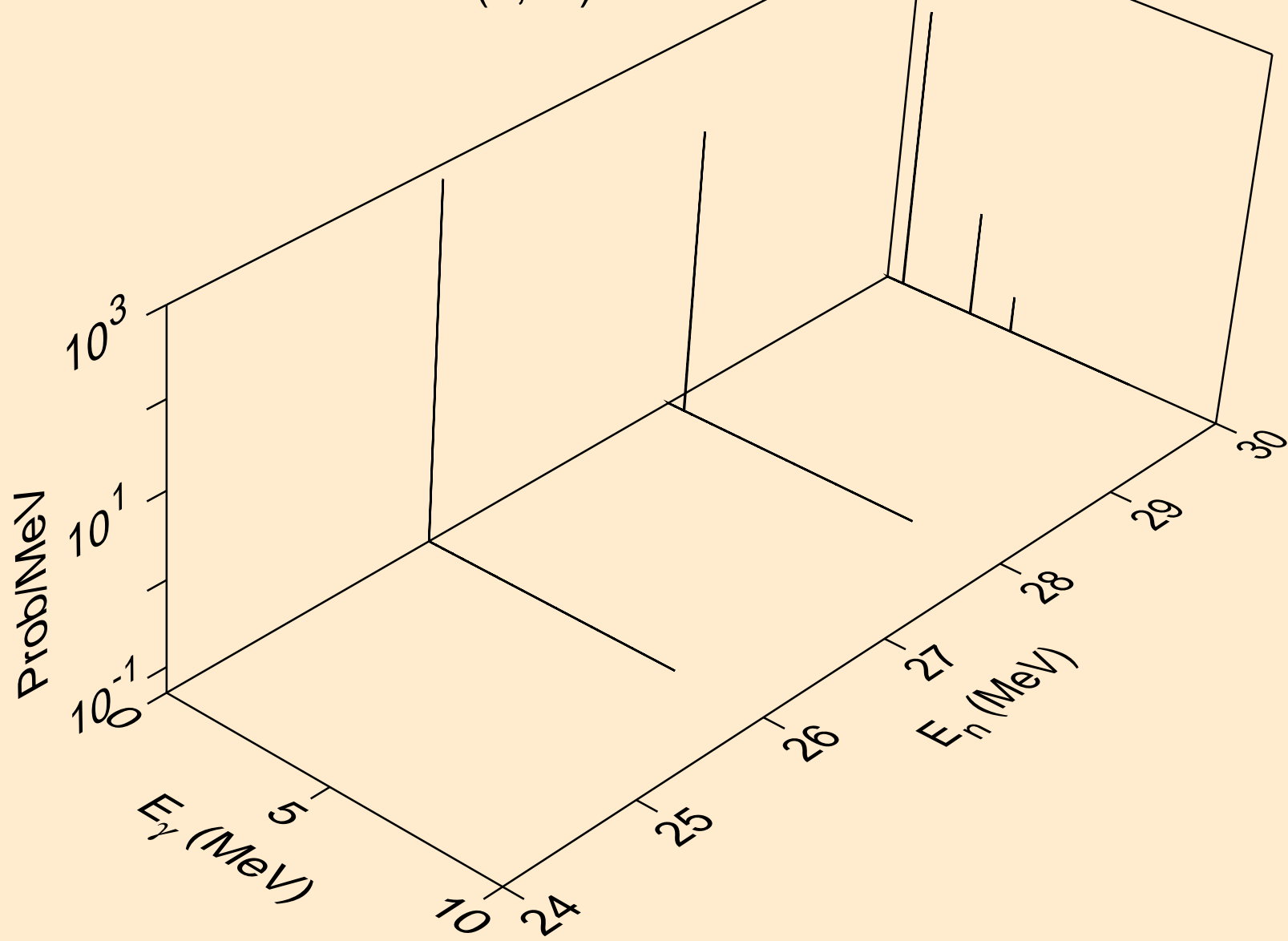
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Photon emission for (n,n\*)t



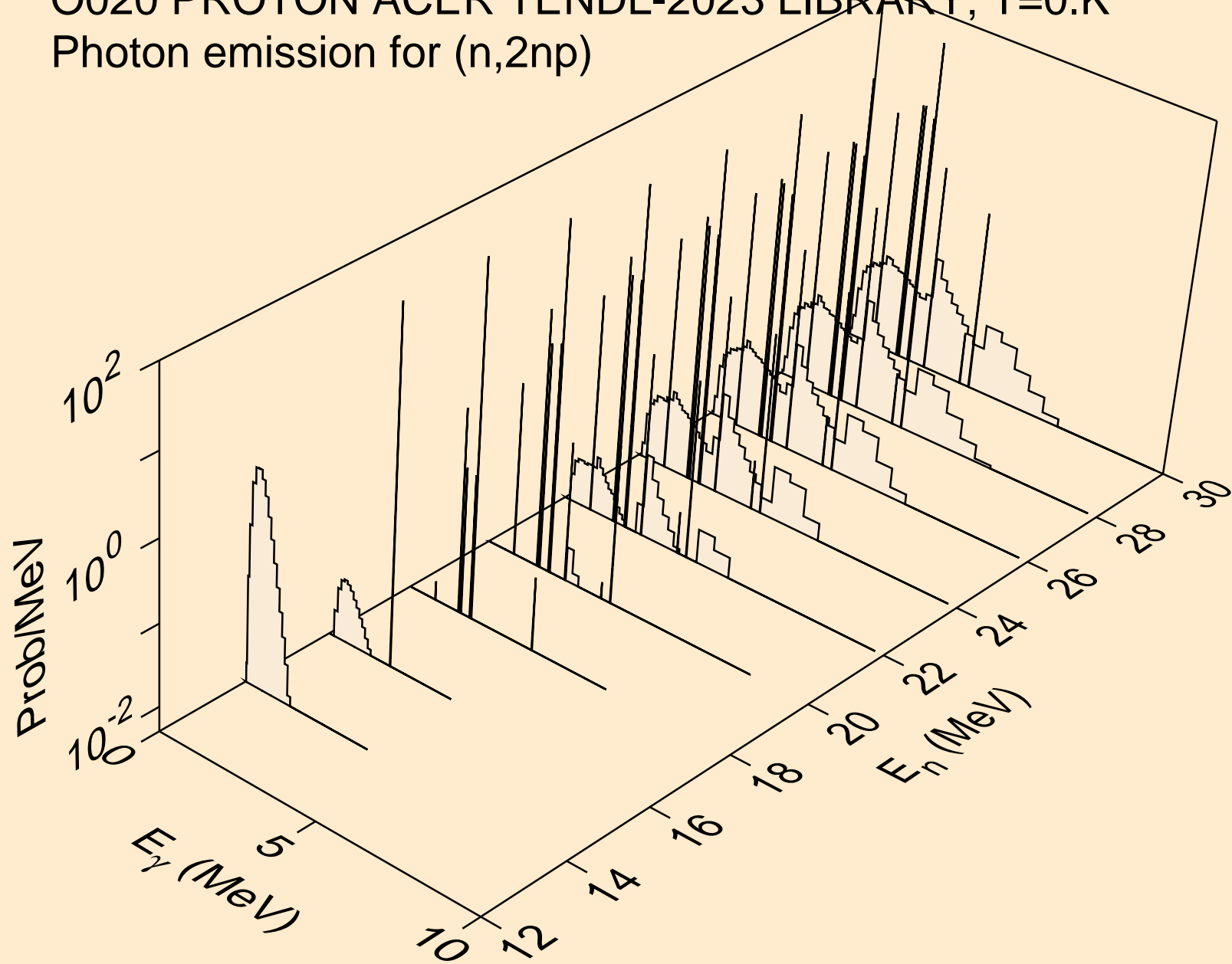
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Photon emission for (n,n\*)he3



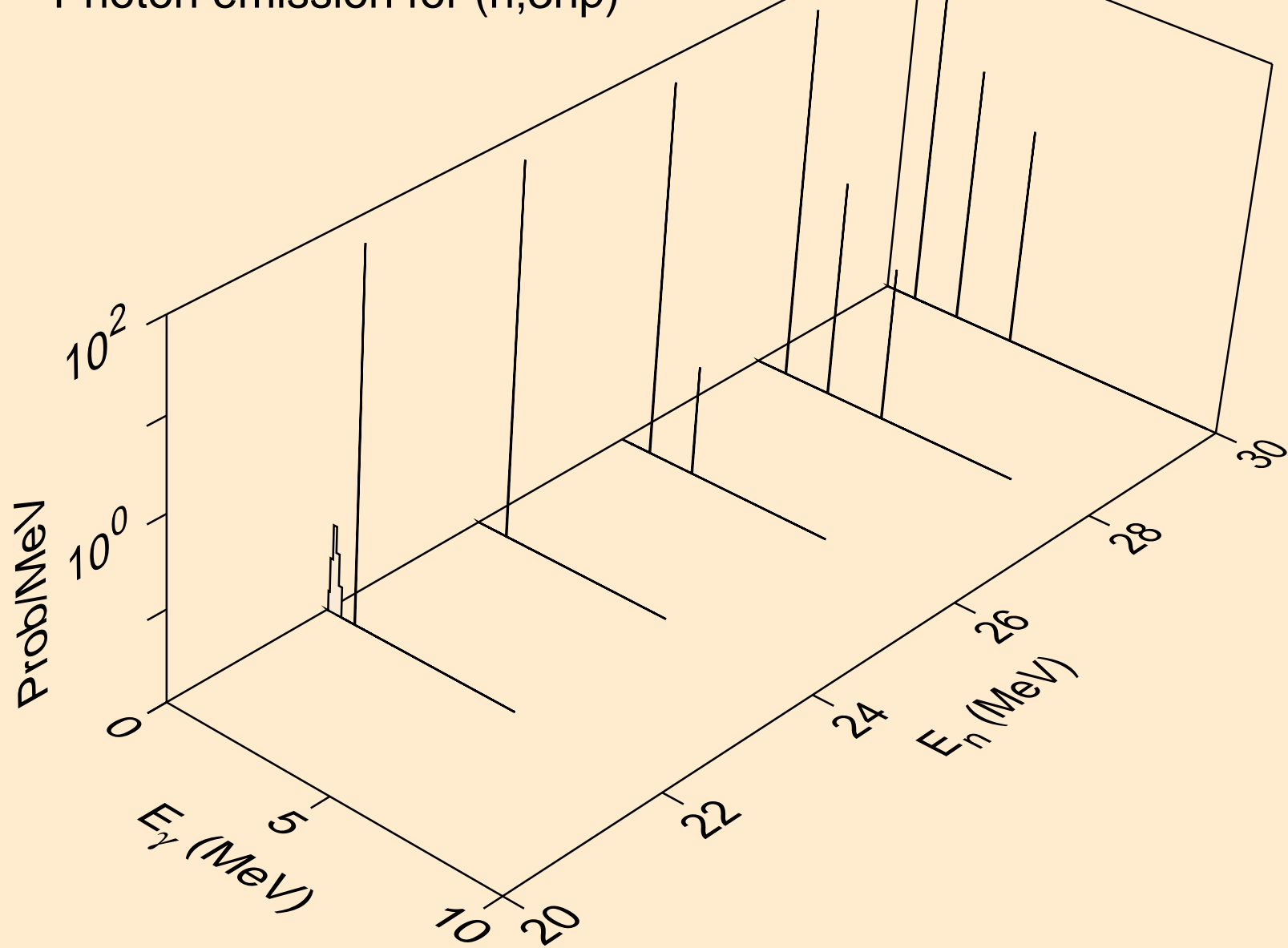
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Photon emission for (n,4n)



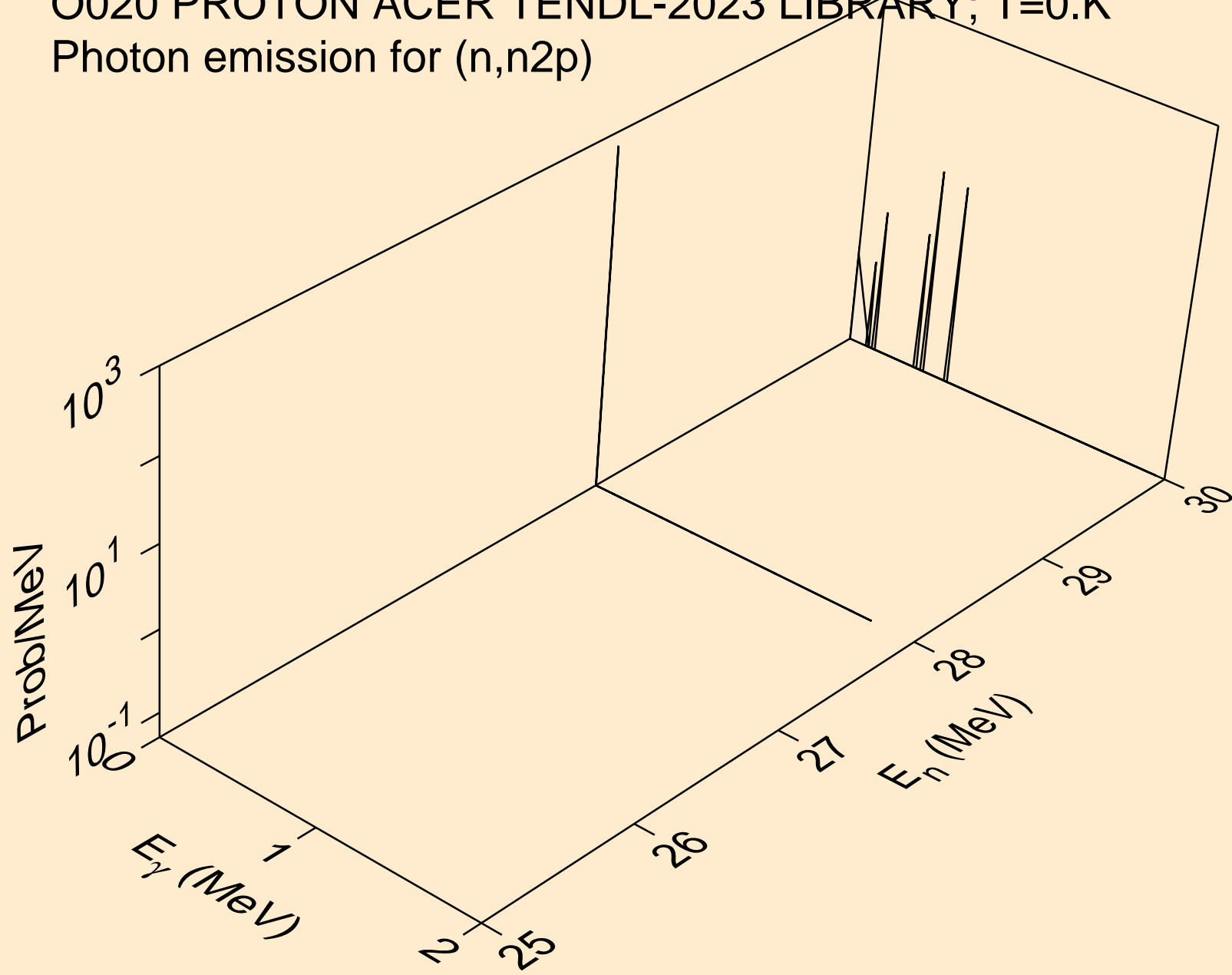
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Photon emission for (n,2np)



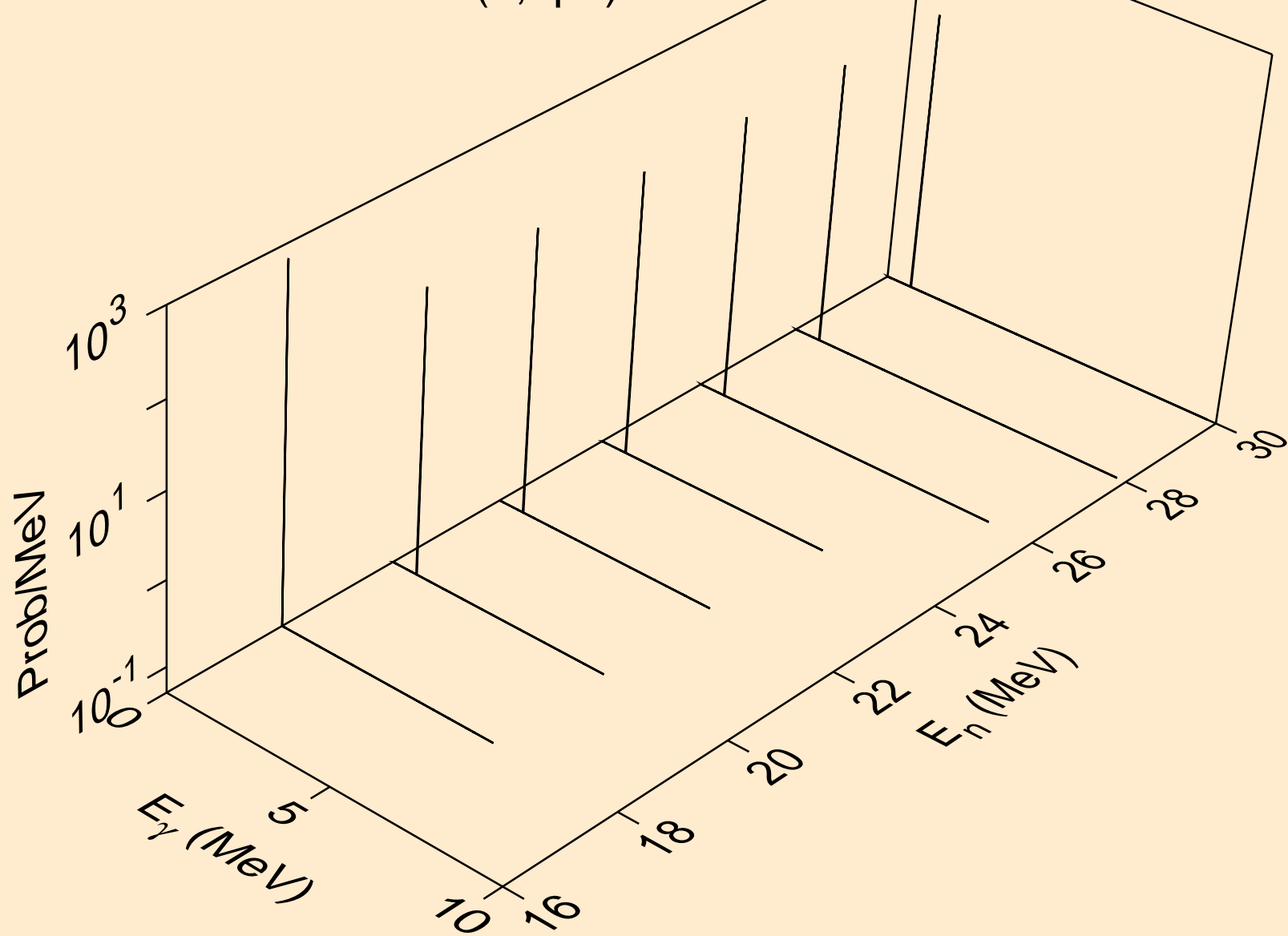
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Photon emission for (n,3np)



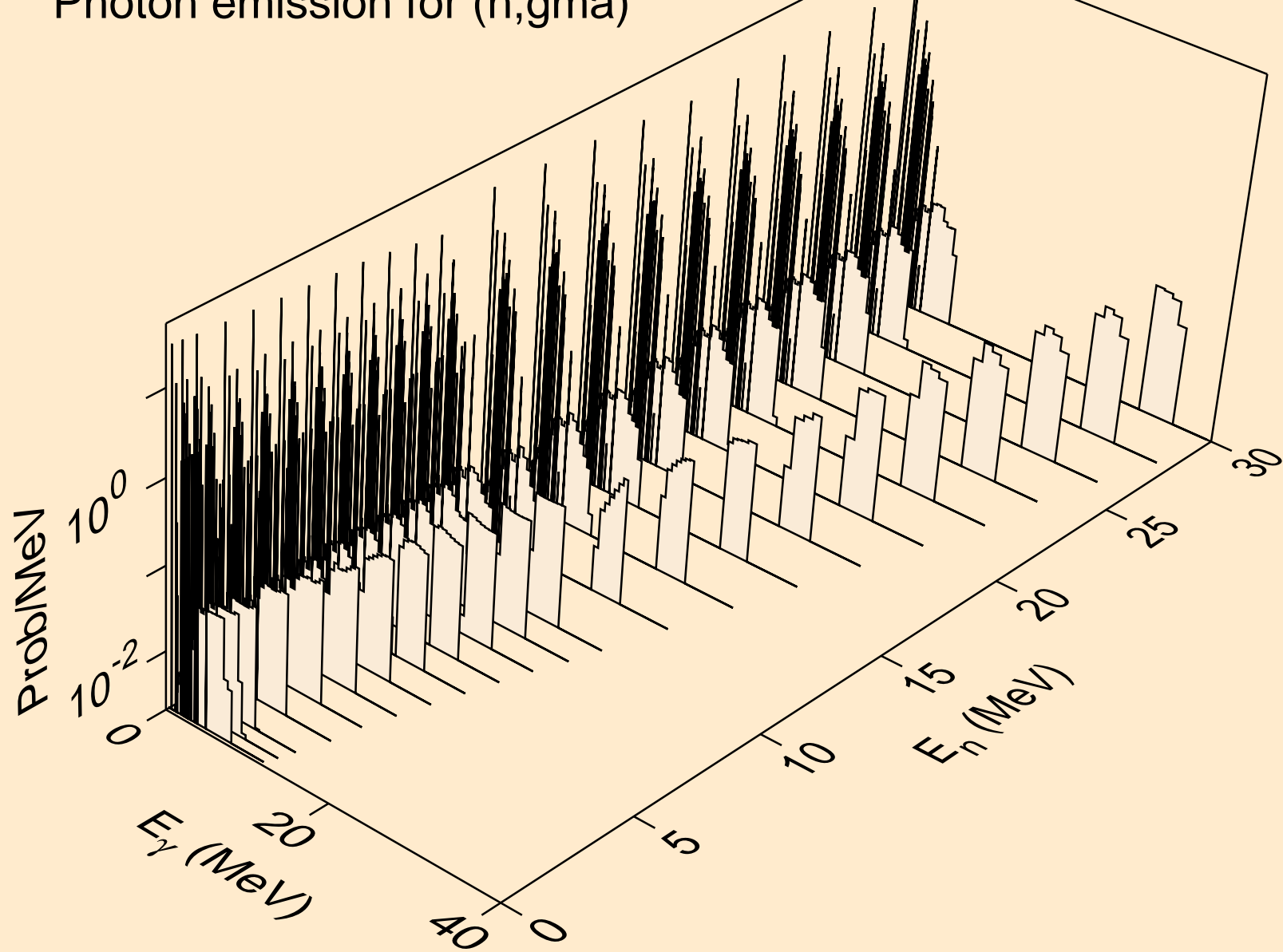
O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)



O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)

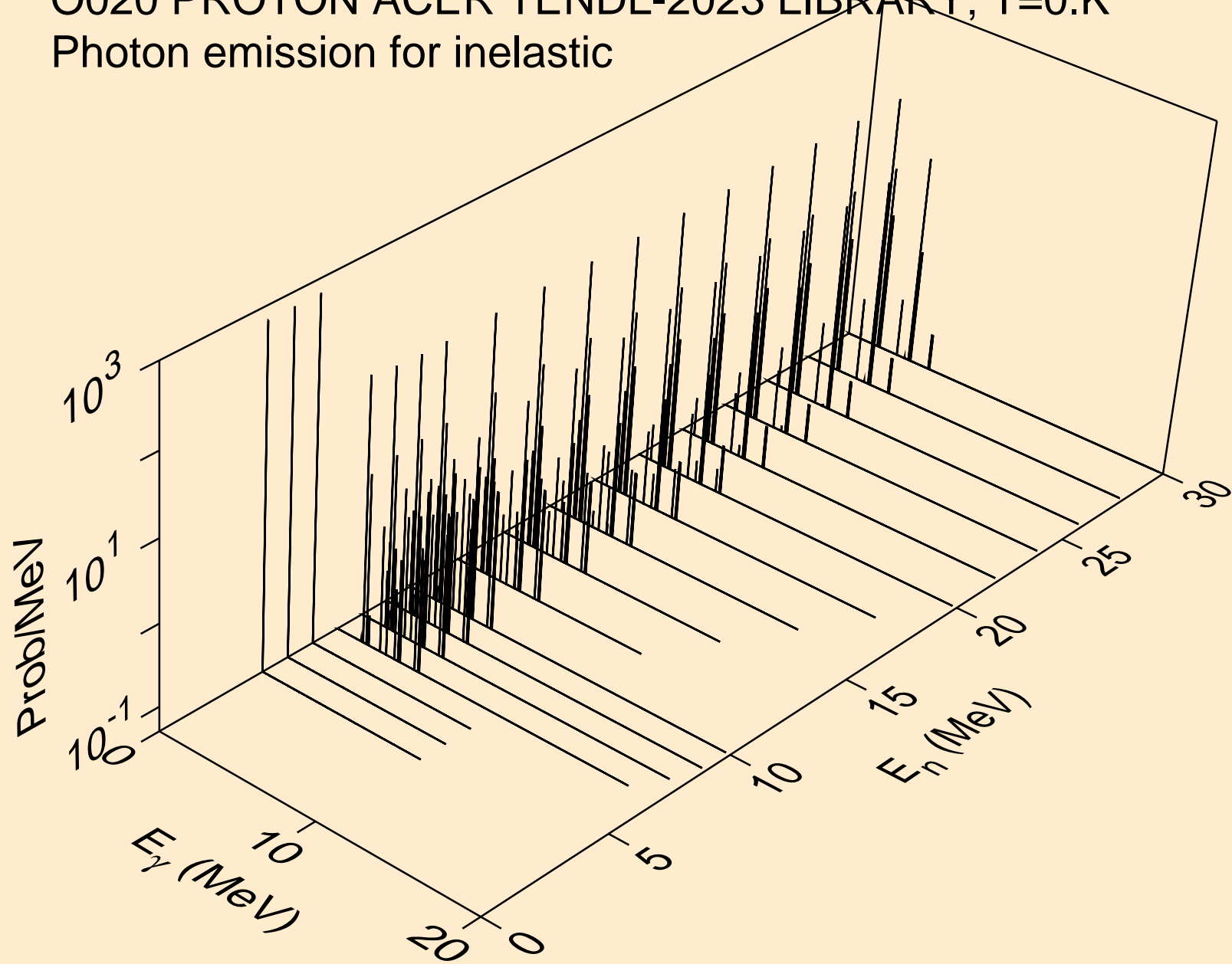


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Photon emission for (n,gma)

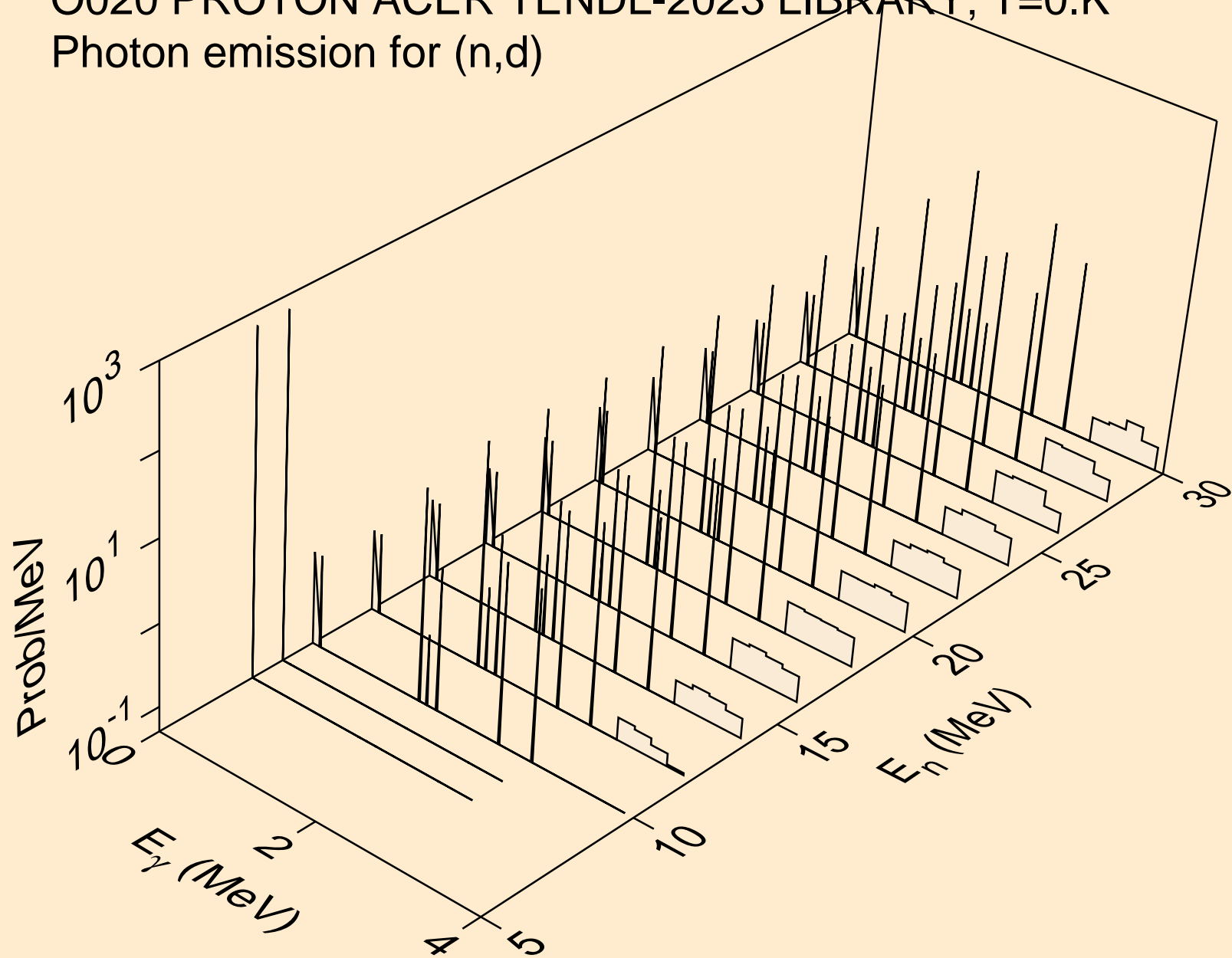




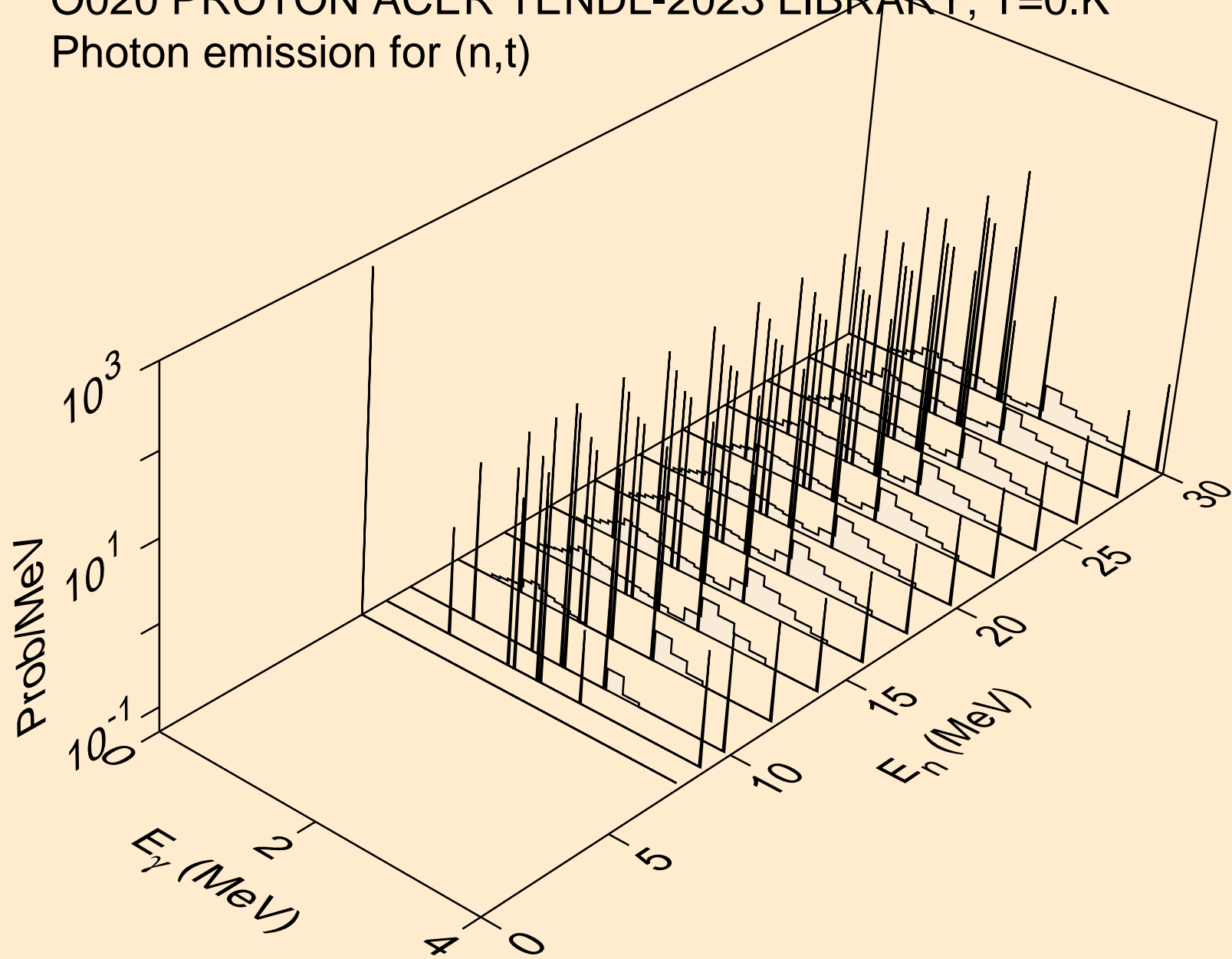
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Photon emission for inelastic



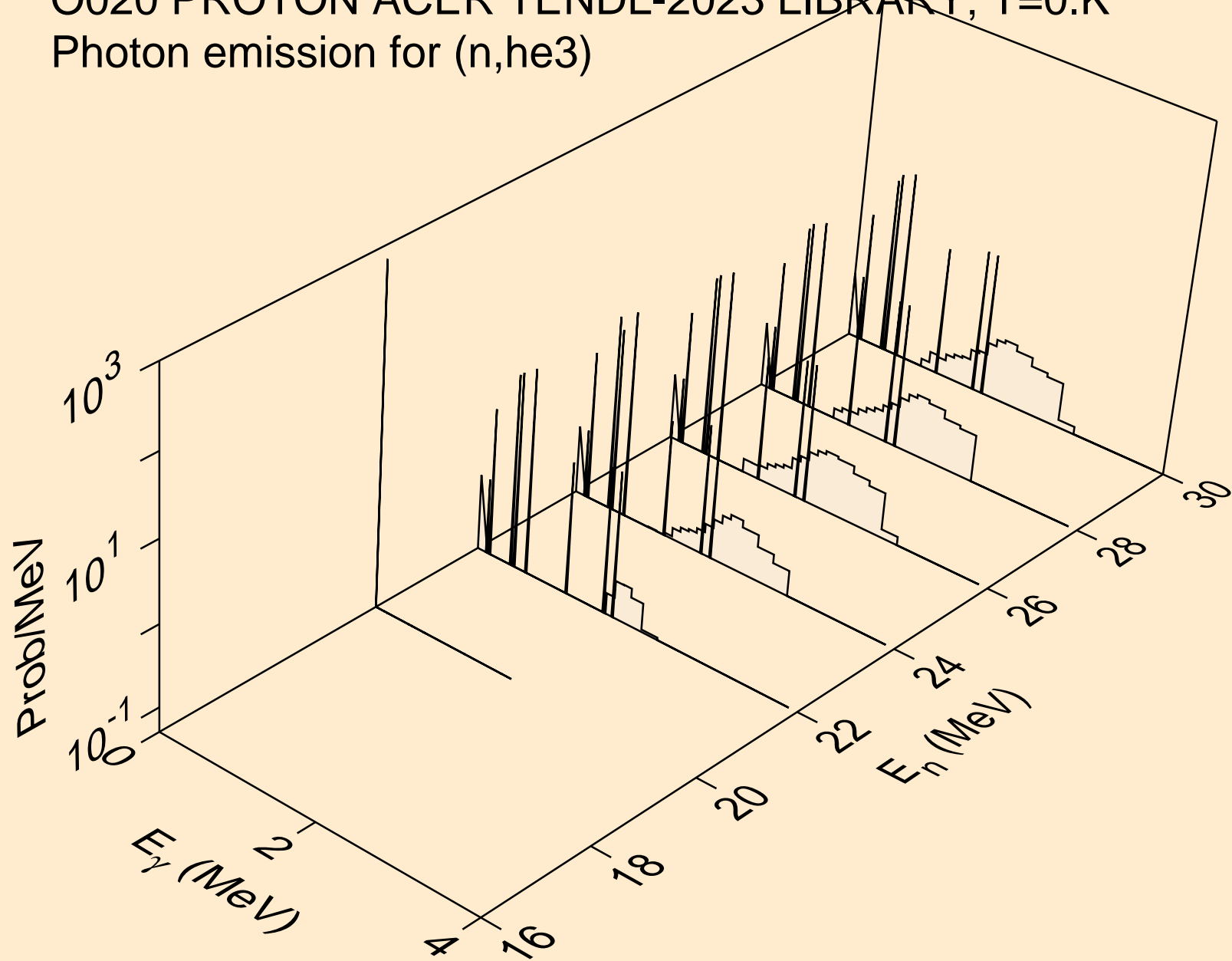
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Photon emission for (n,d)



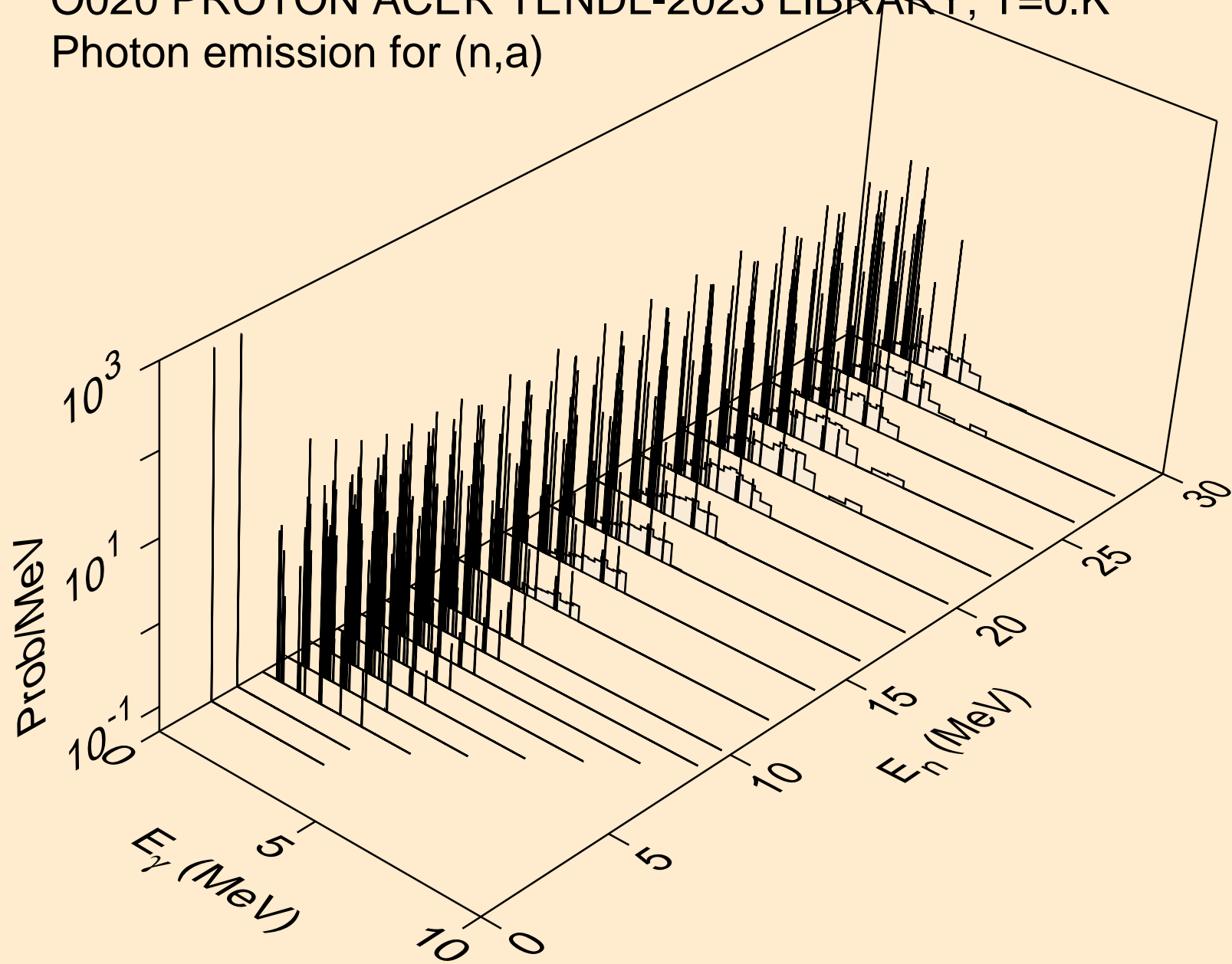
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Photon emission for (n,t)



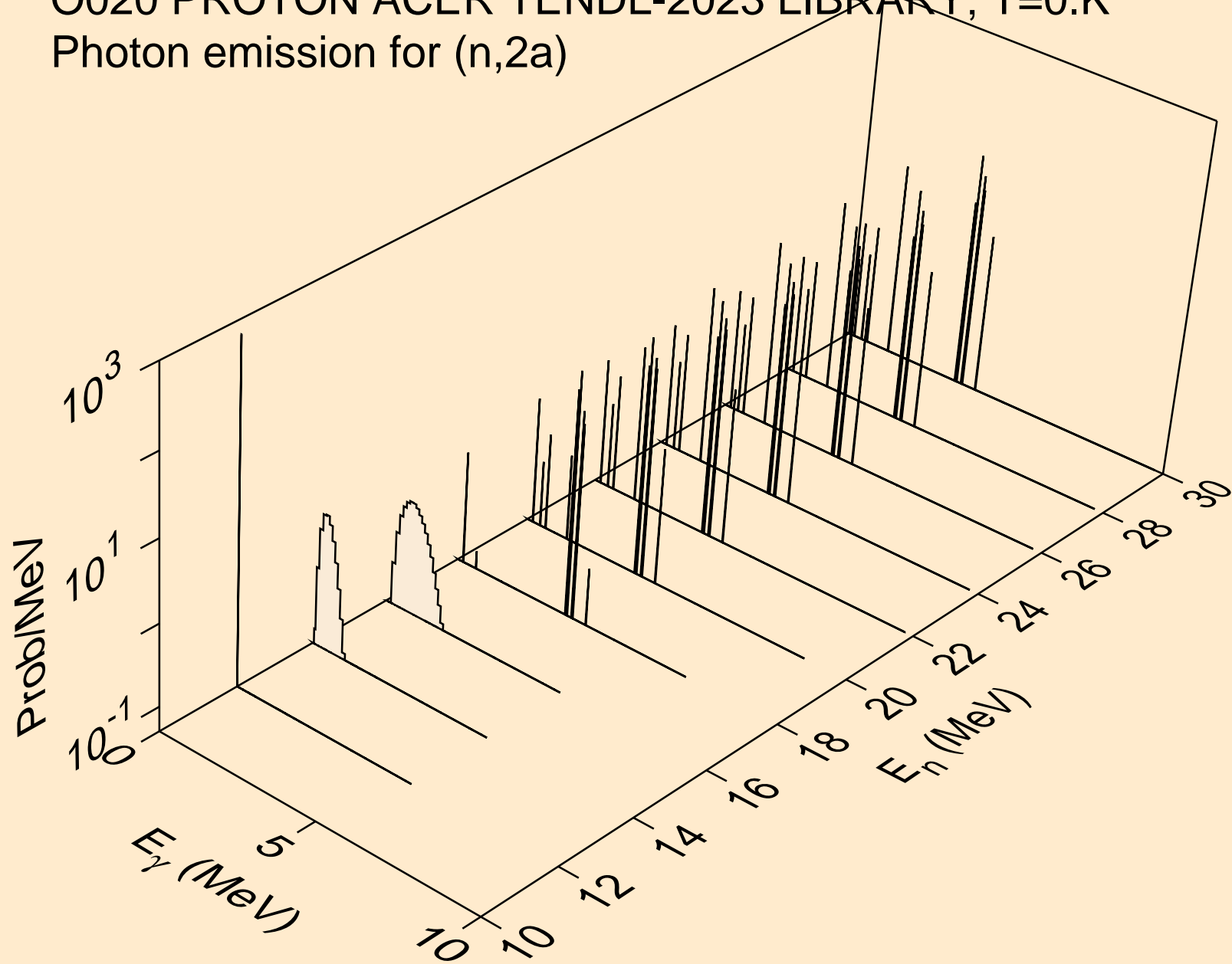
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Photon emission for (n,he3)



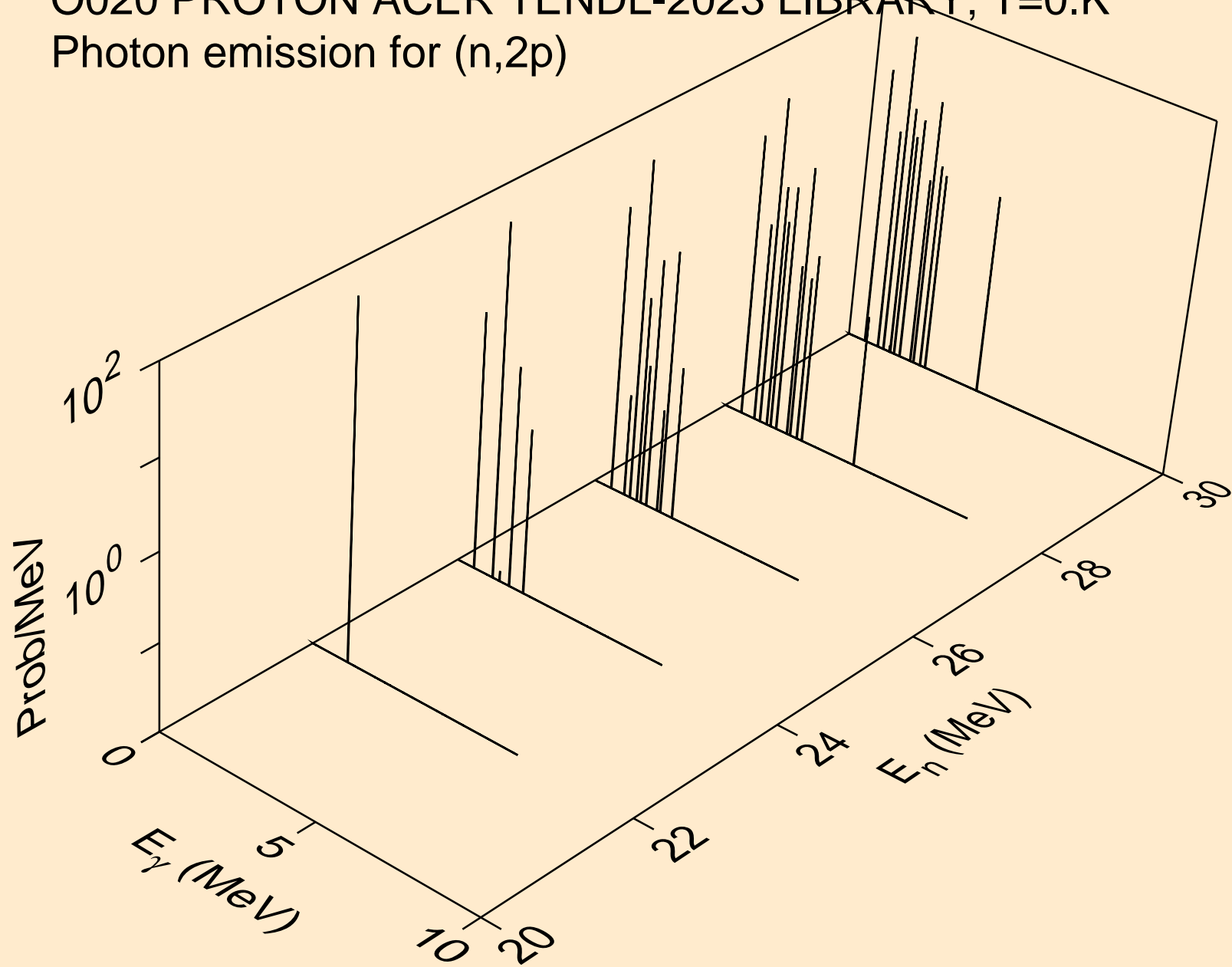
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Photon emission for (n,a)



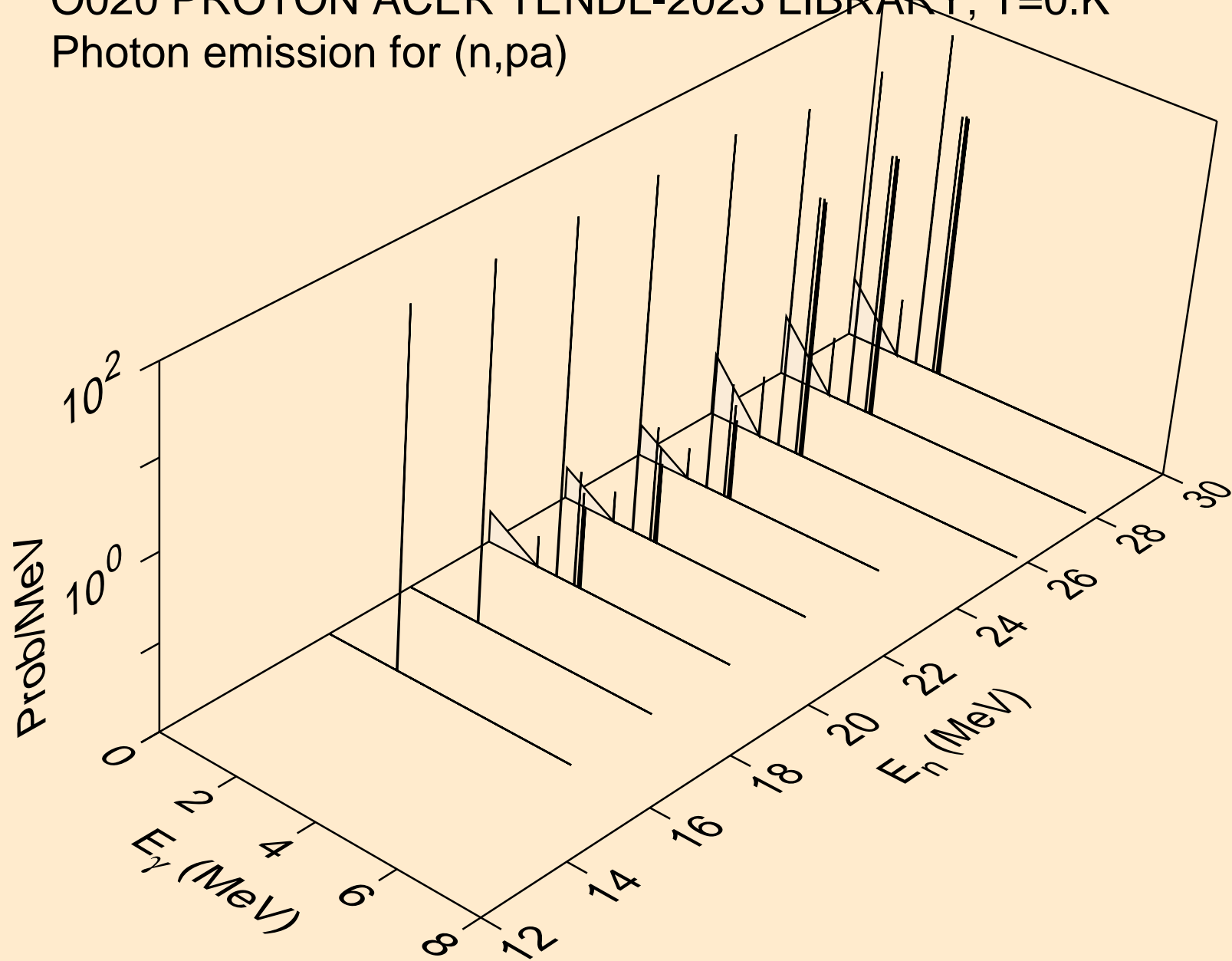
O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)

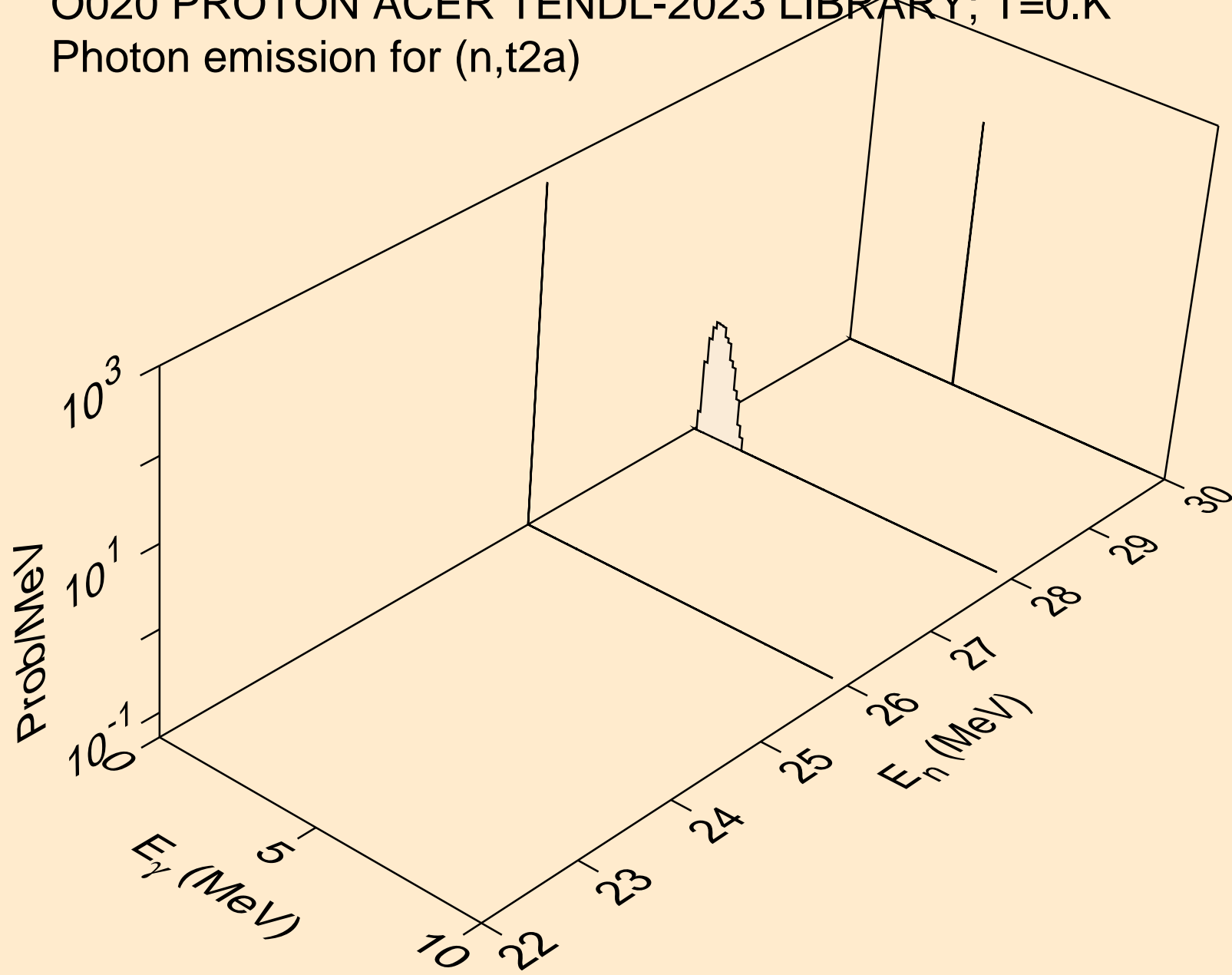


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Photon emission for (n,pa)

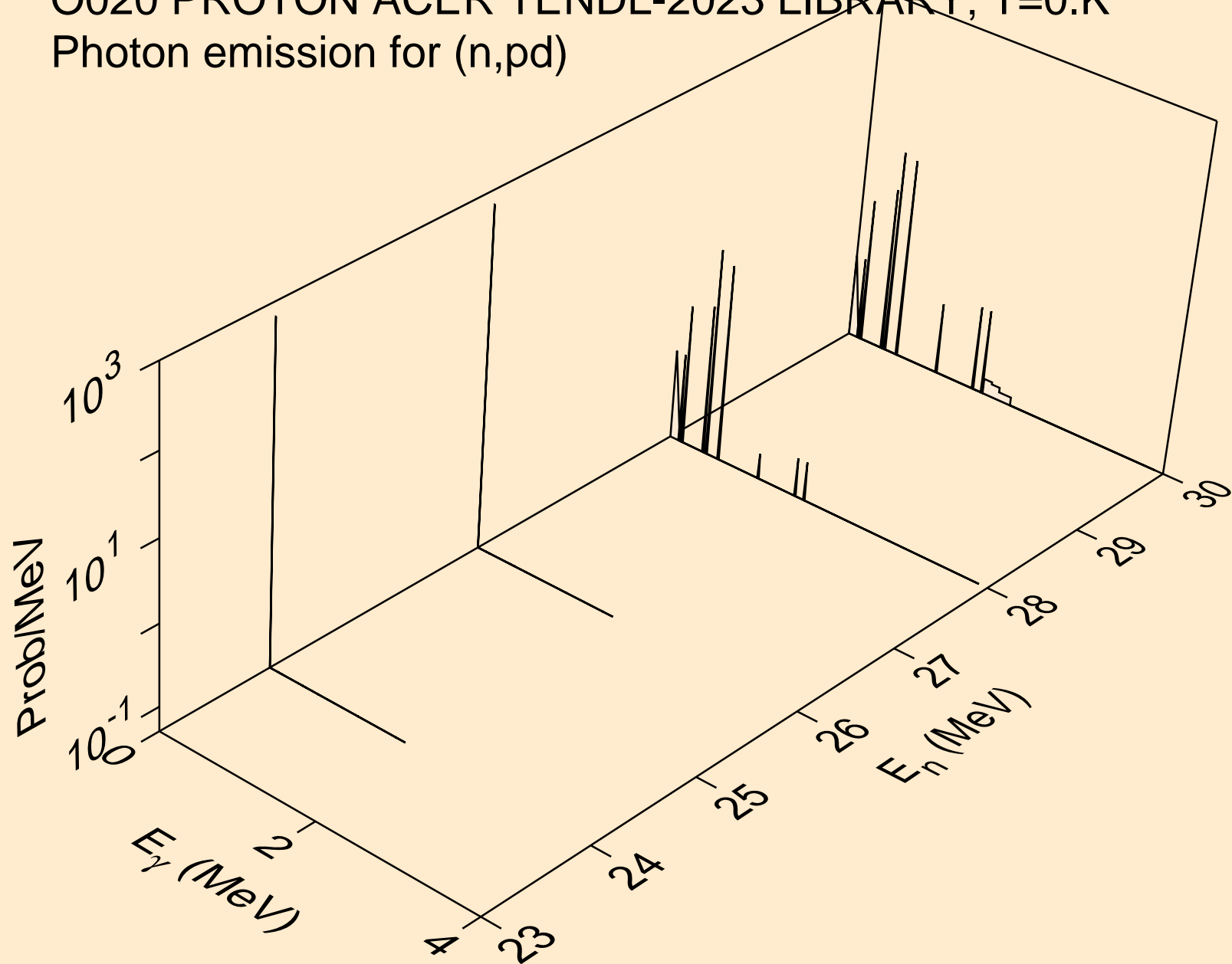




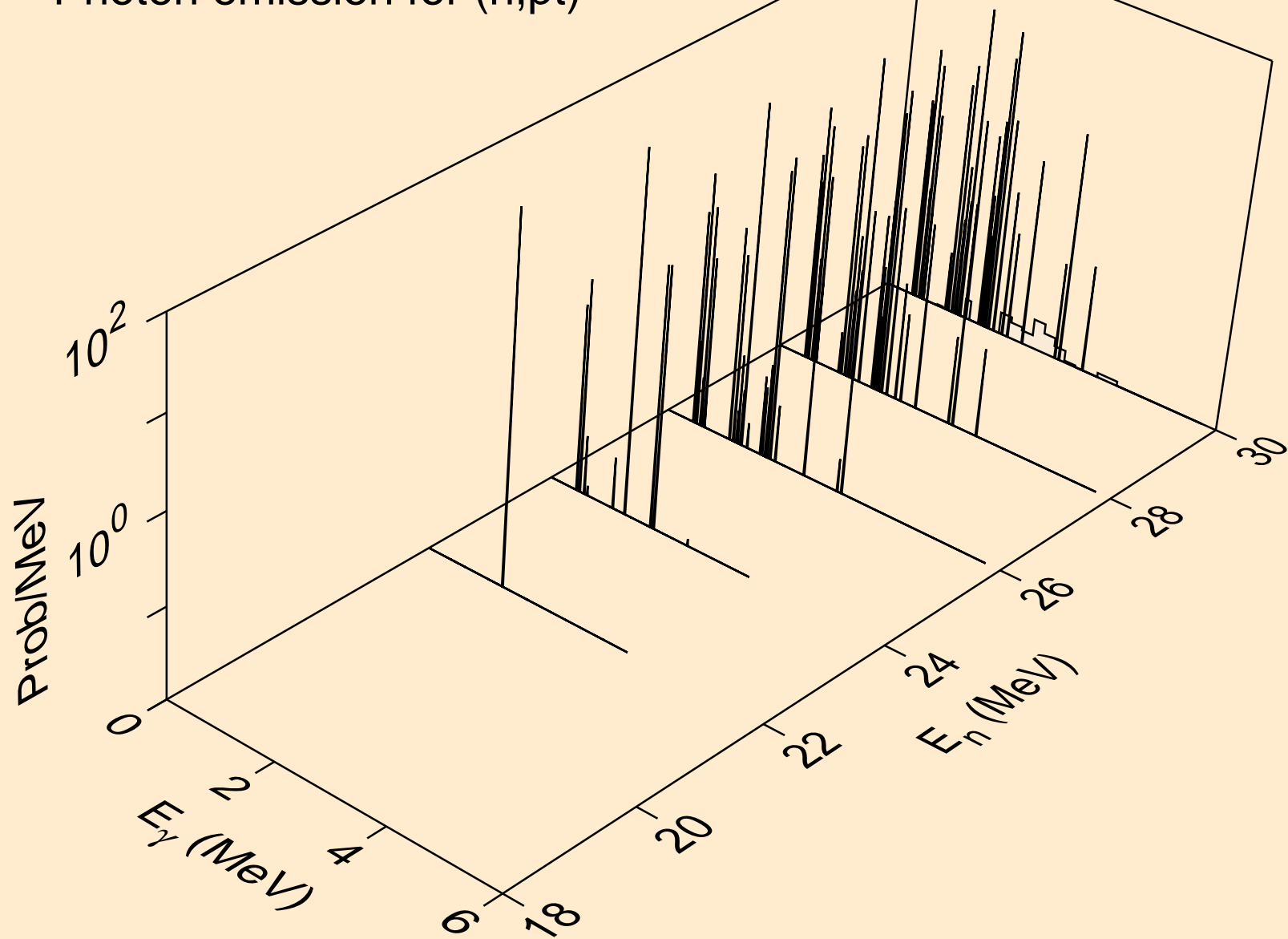
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Photon emission for (n,t2a)



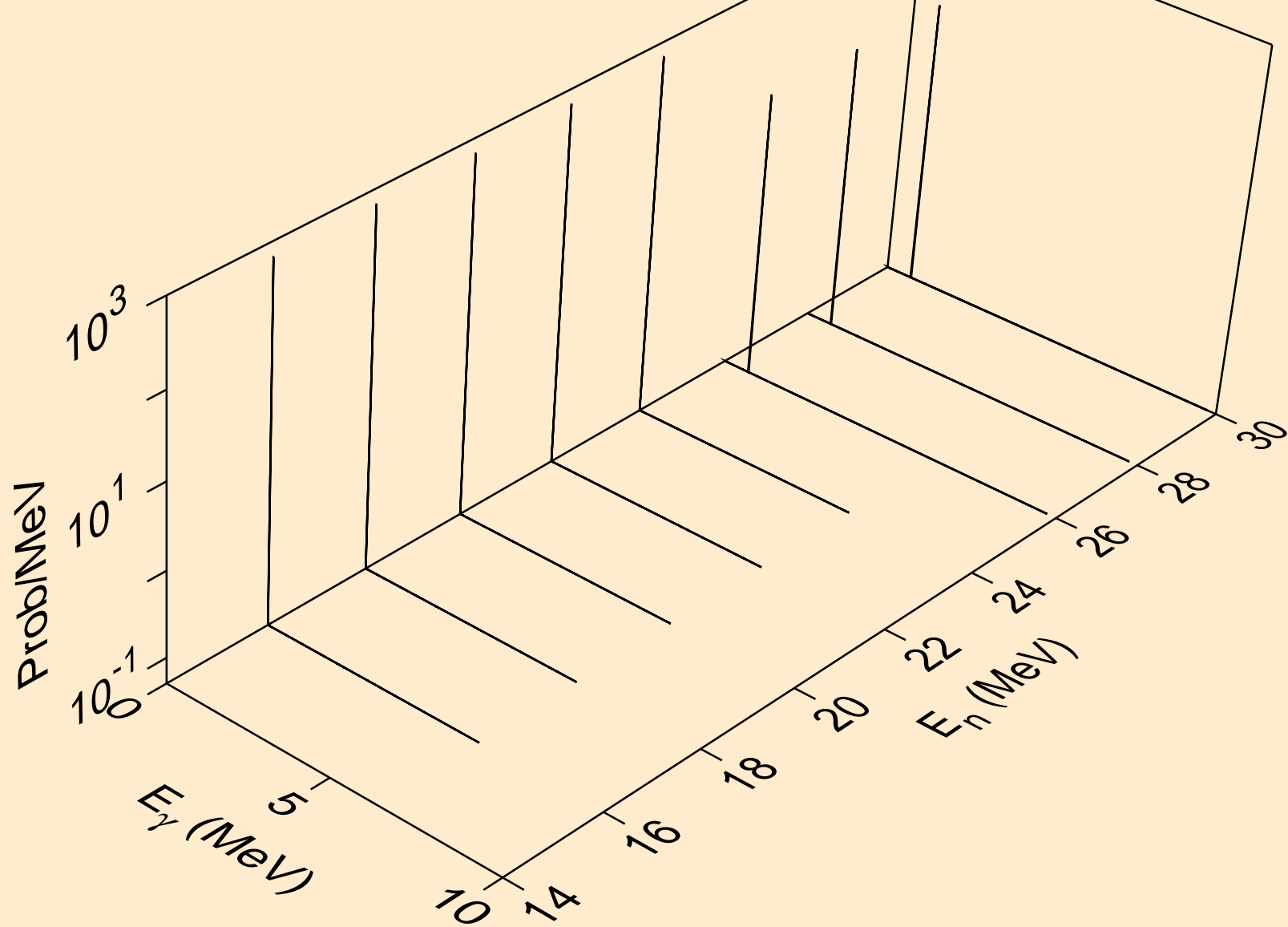
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Photon emission for (n,pd)



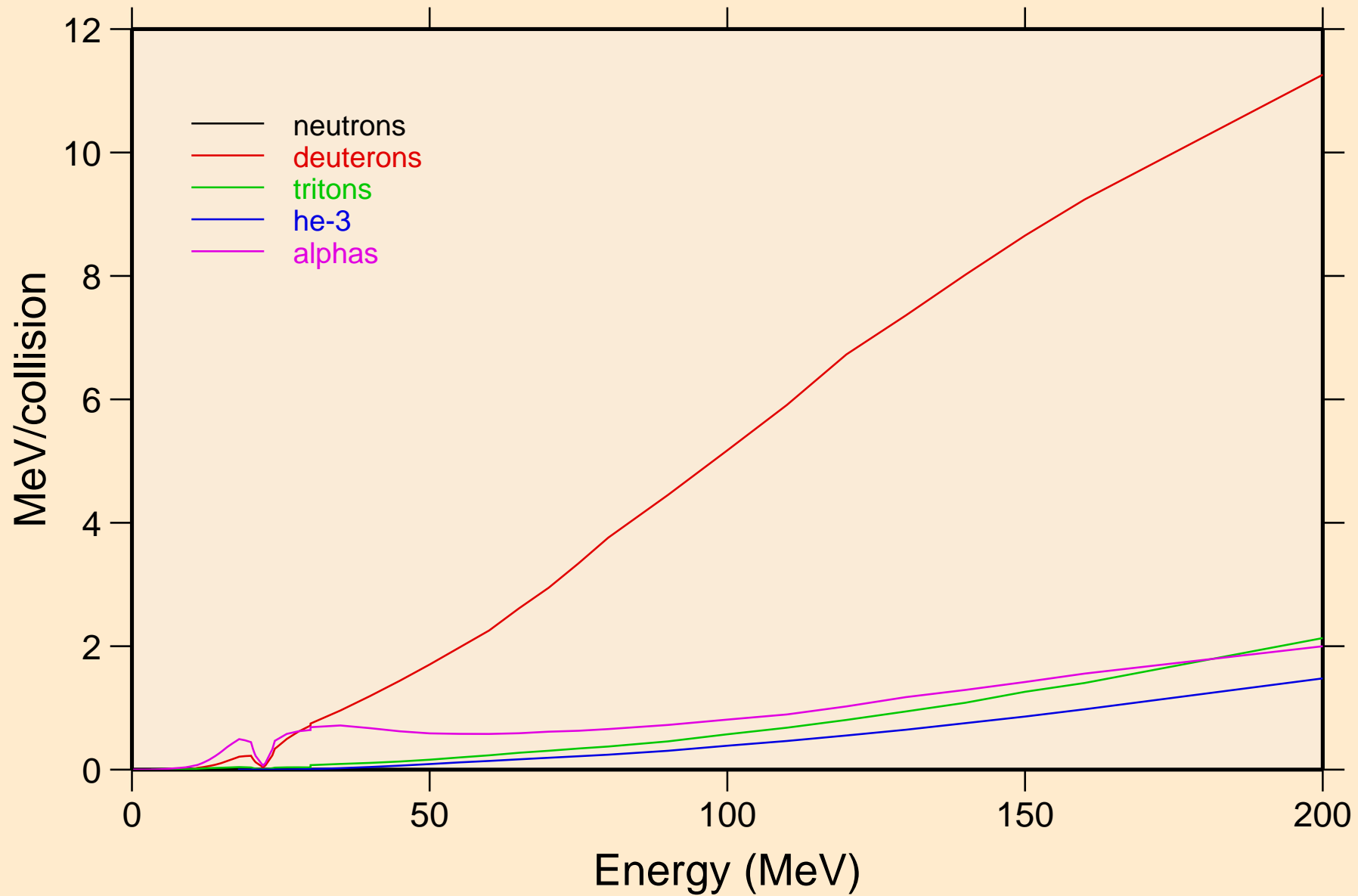
O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)

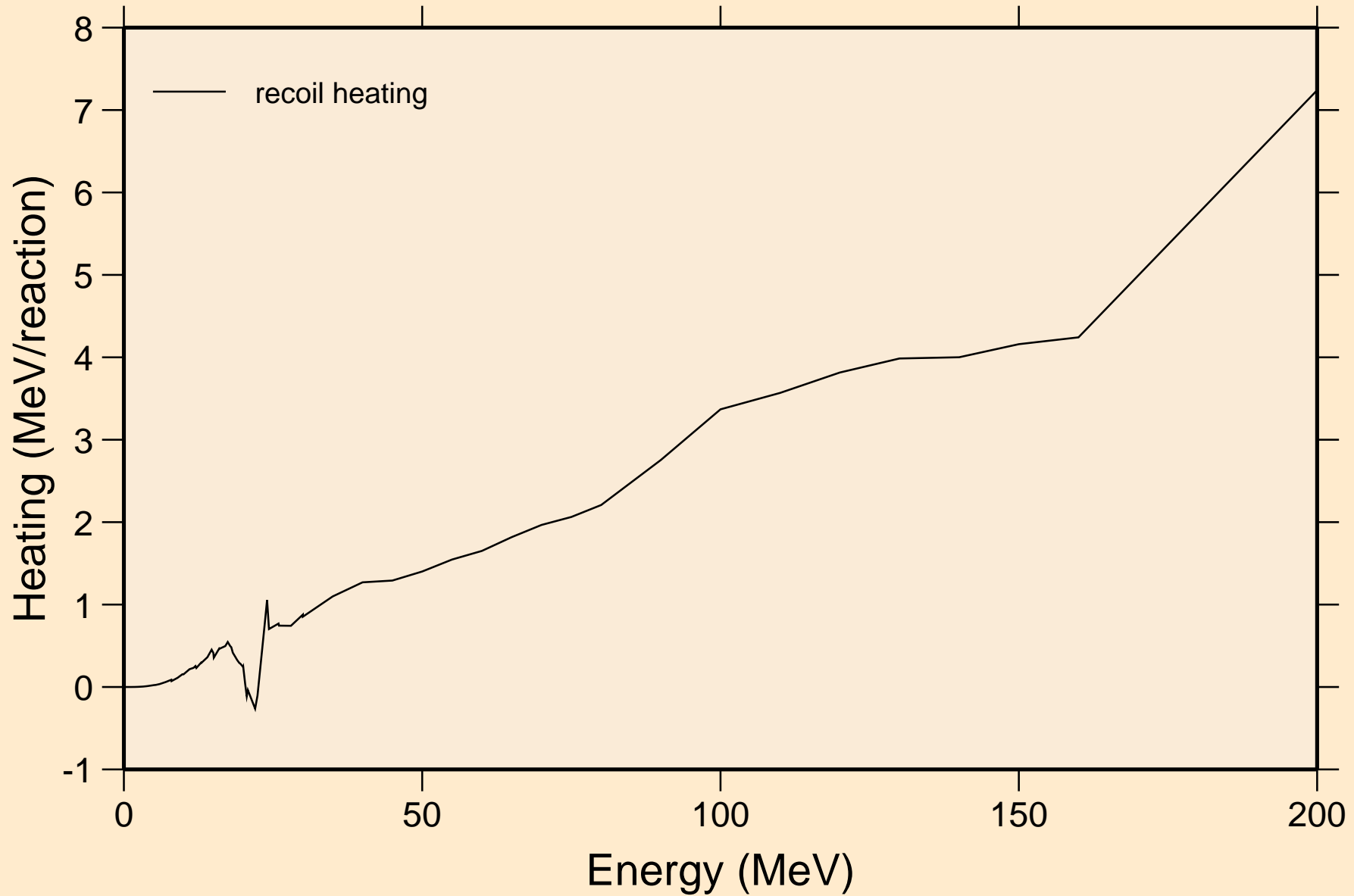


O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions

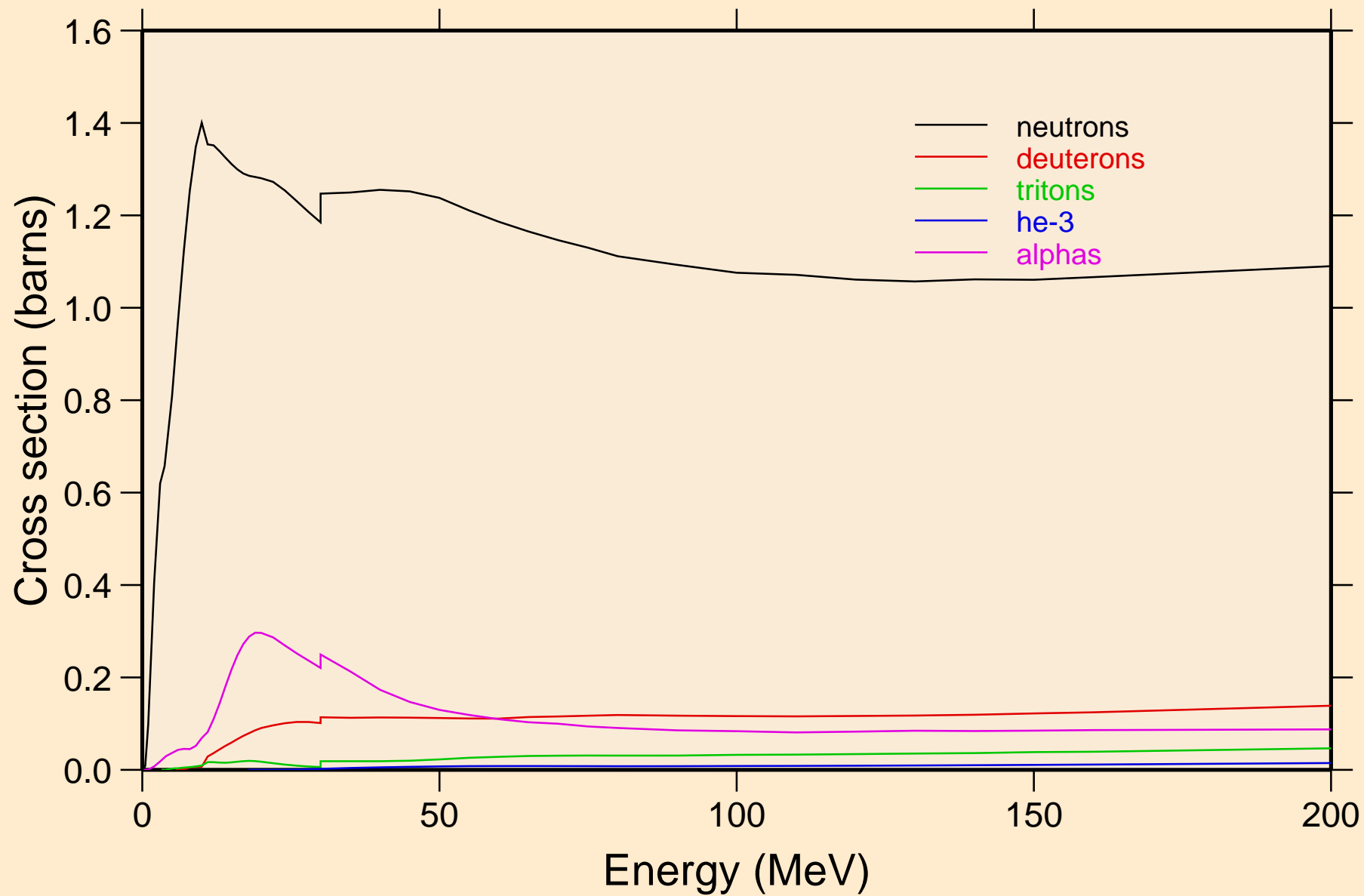


O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K

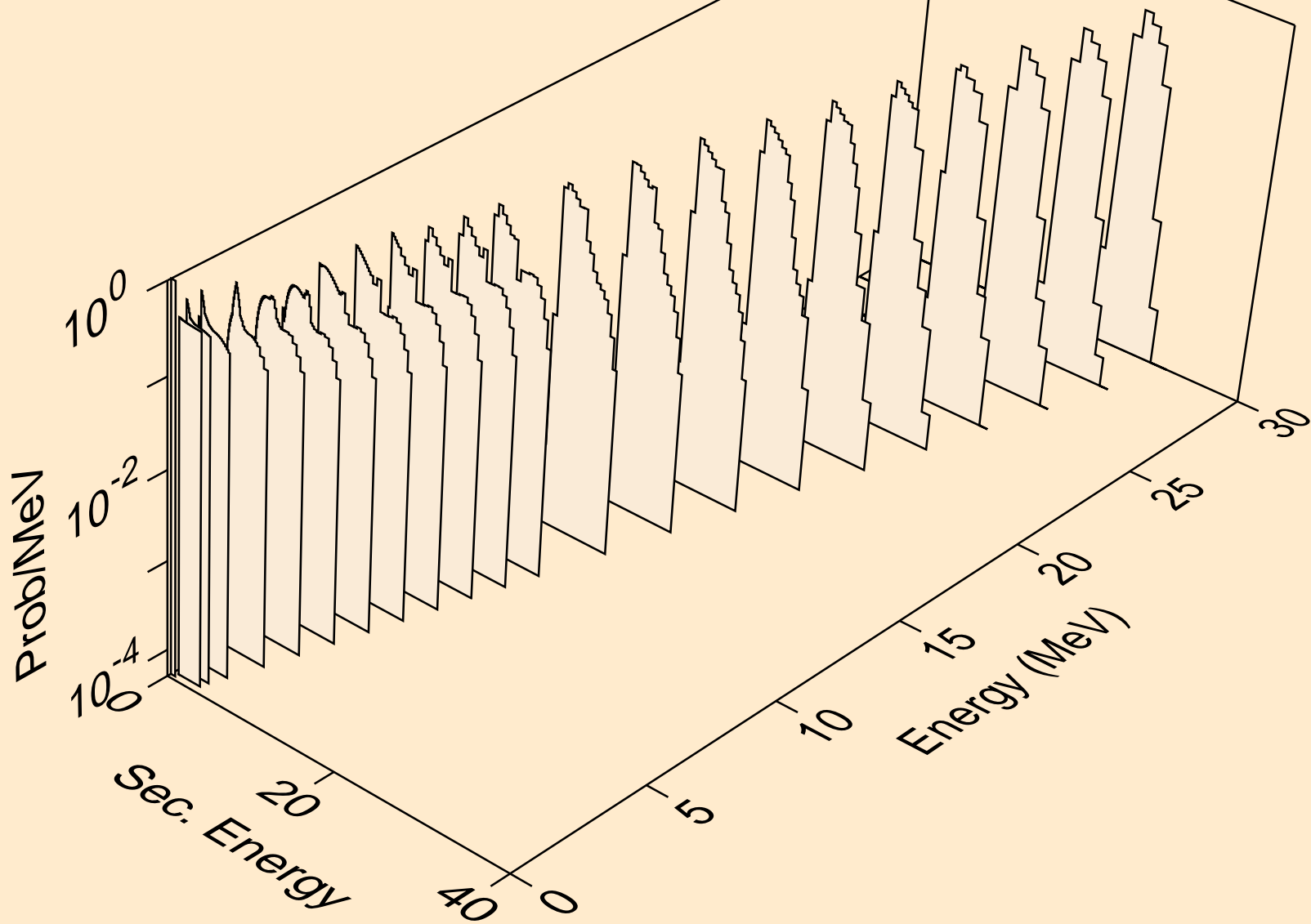
Recoil Heating



O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections

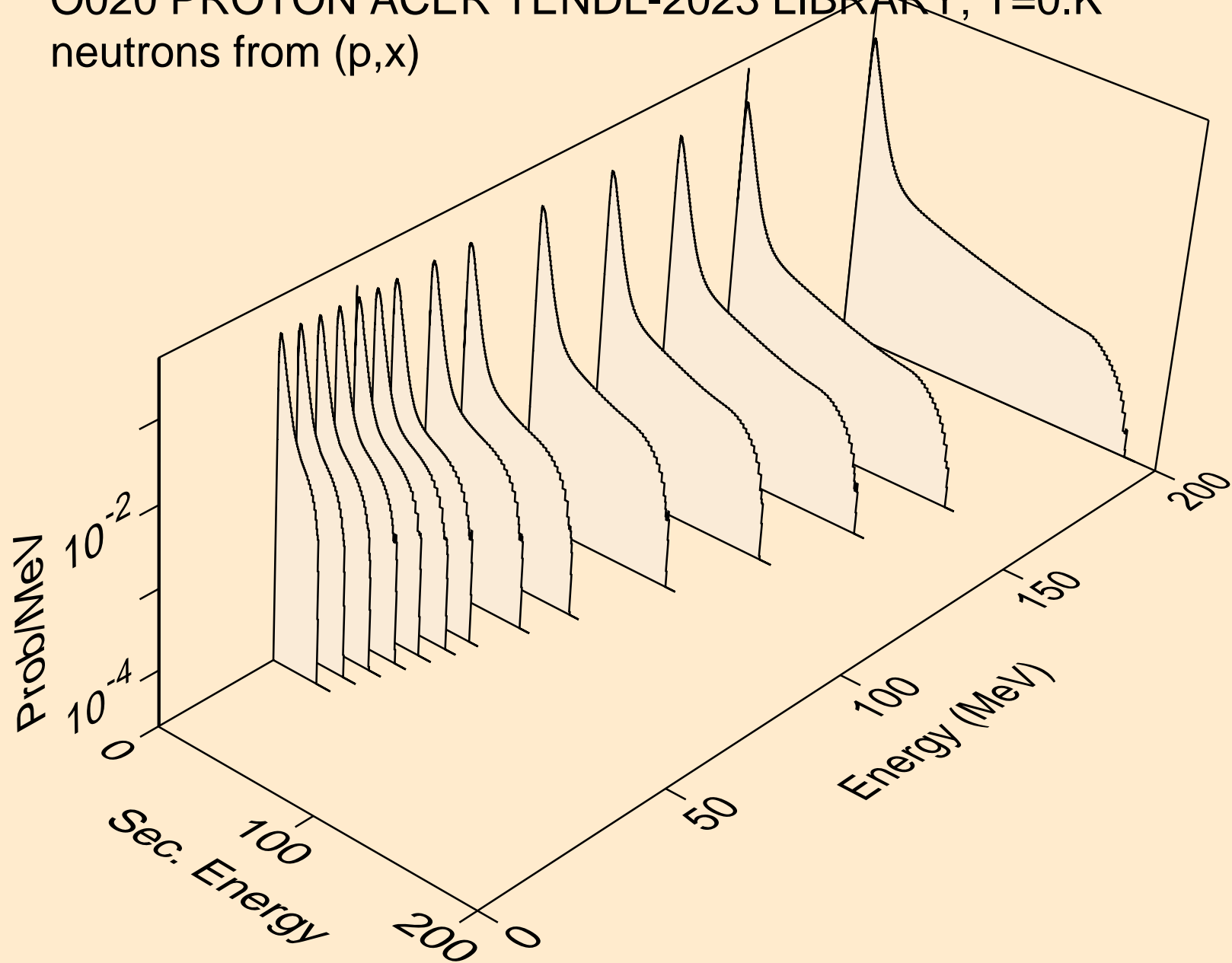


O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)

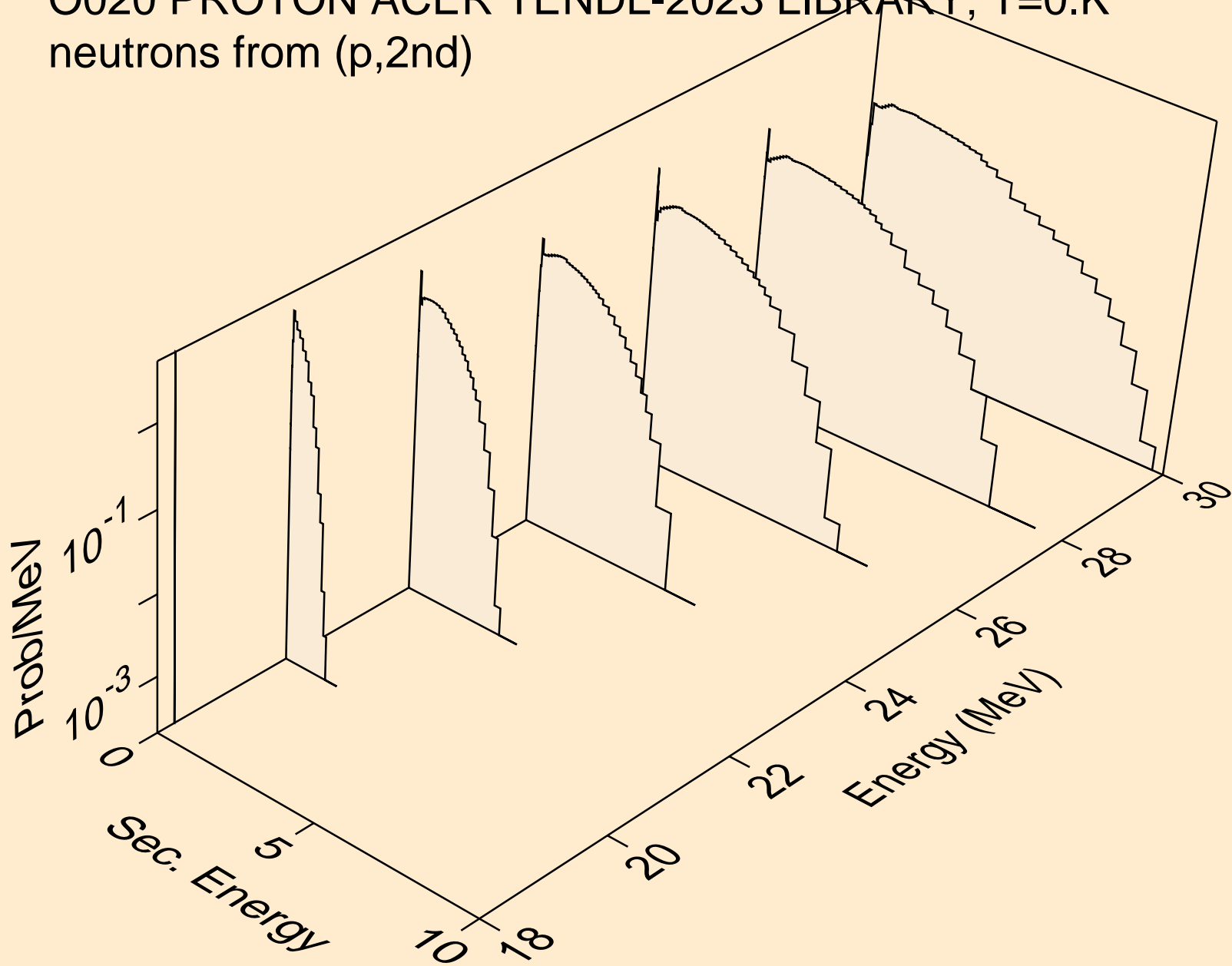




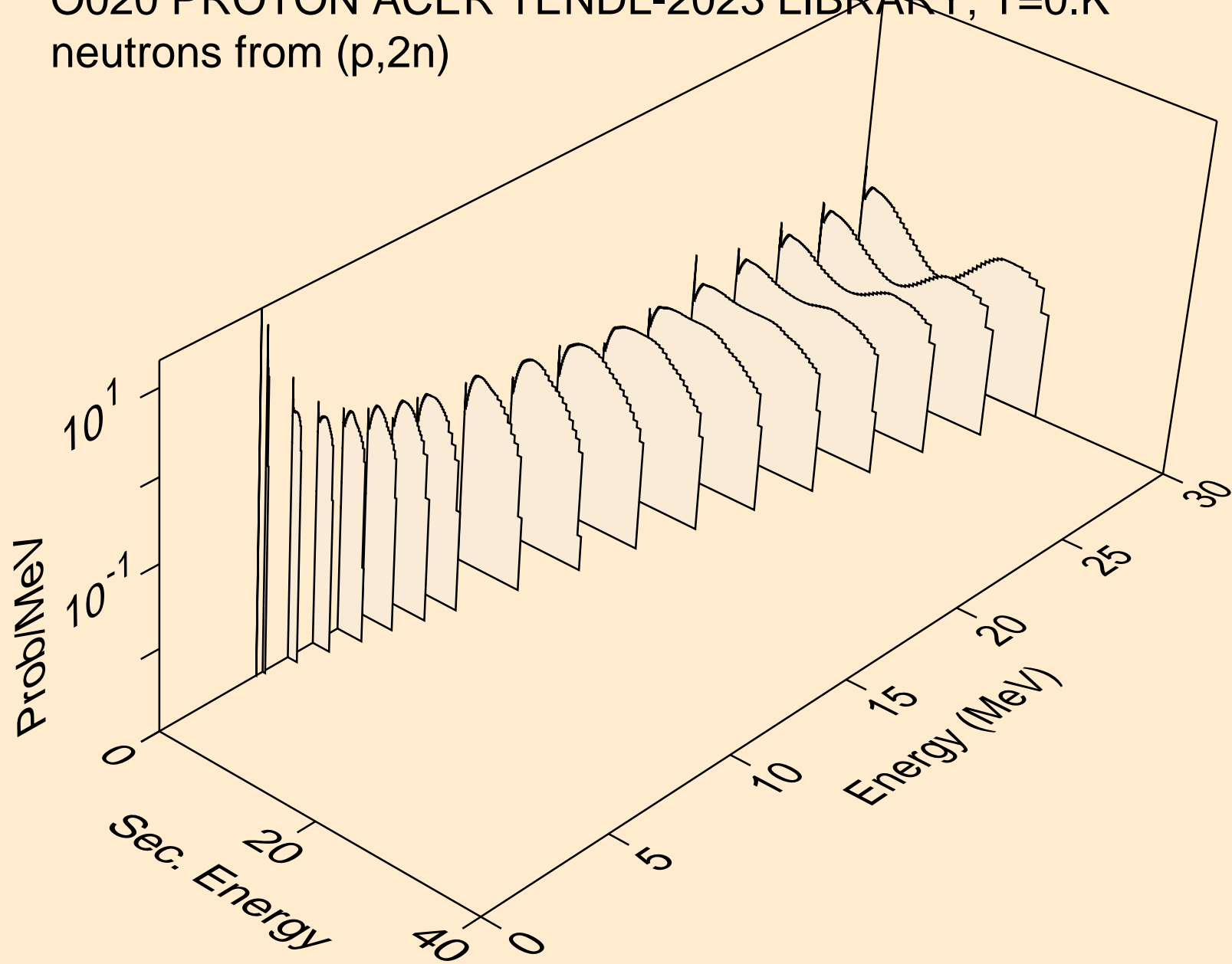
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neutrons from (p,x)



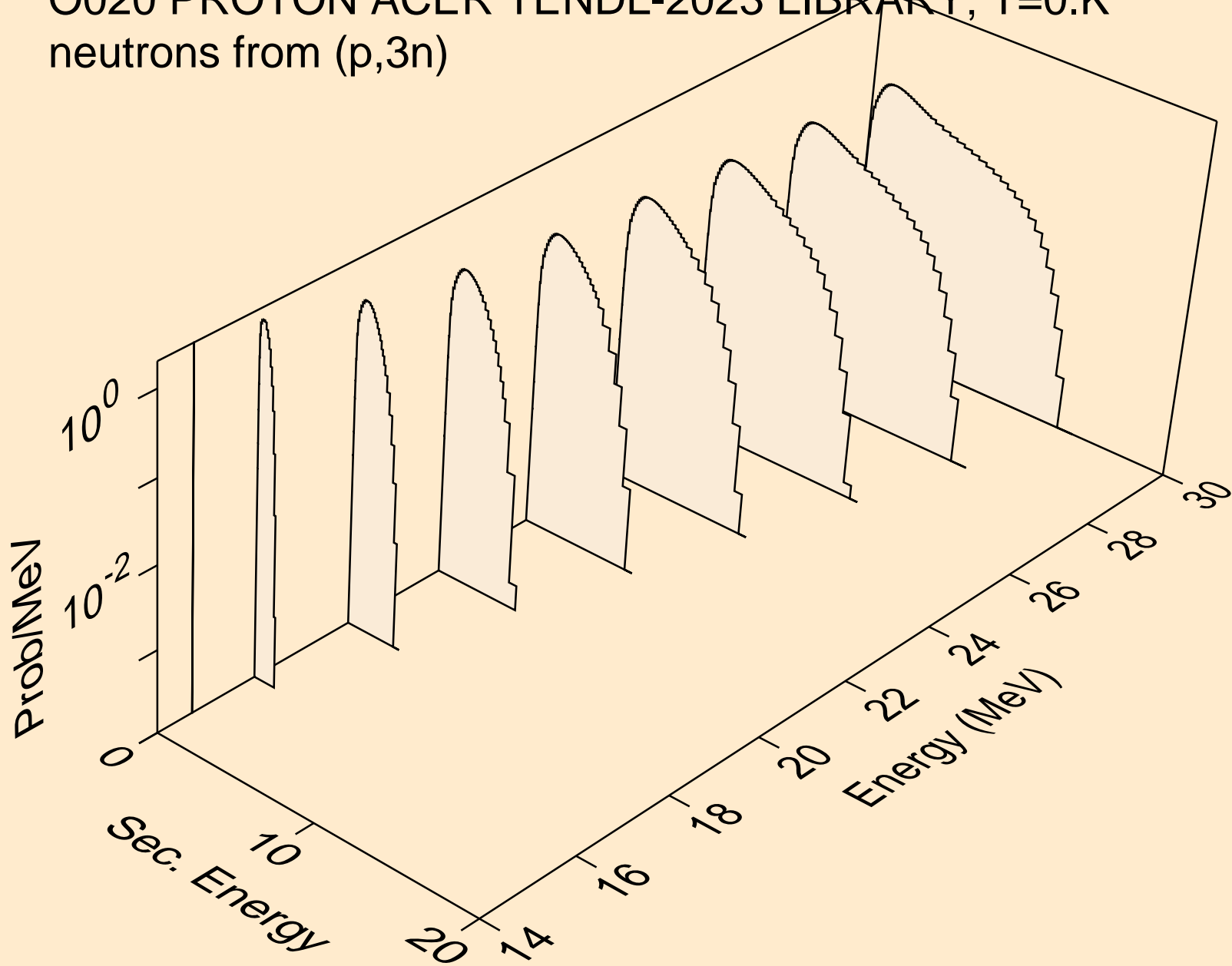
O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2nd)



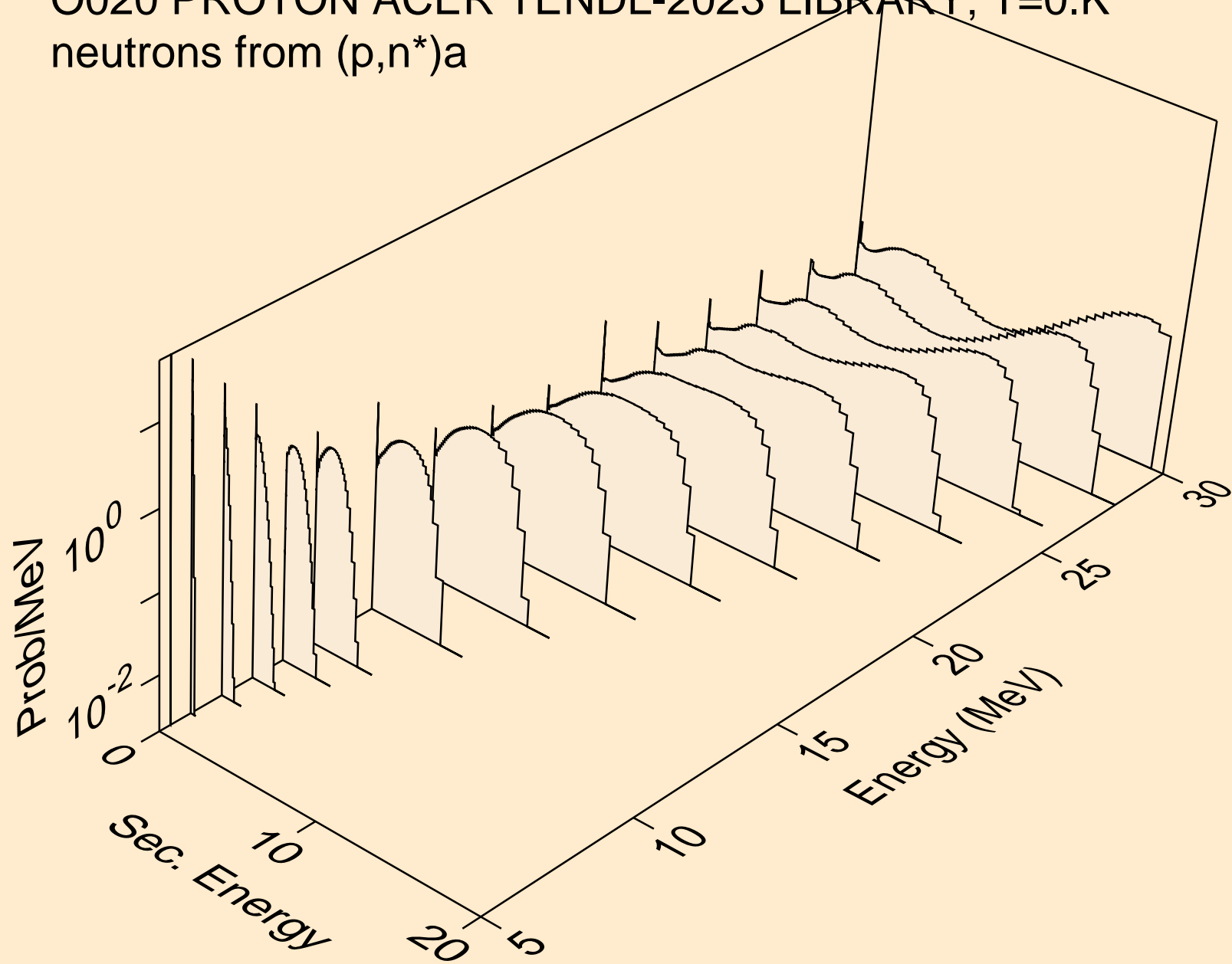
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neutrons from (p,2n)



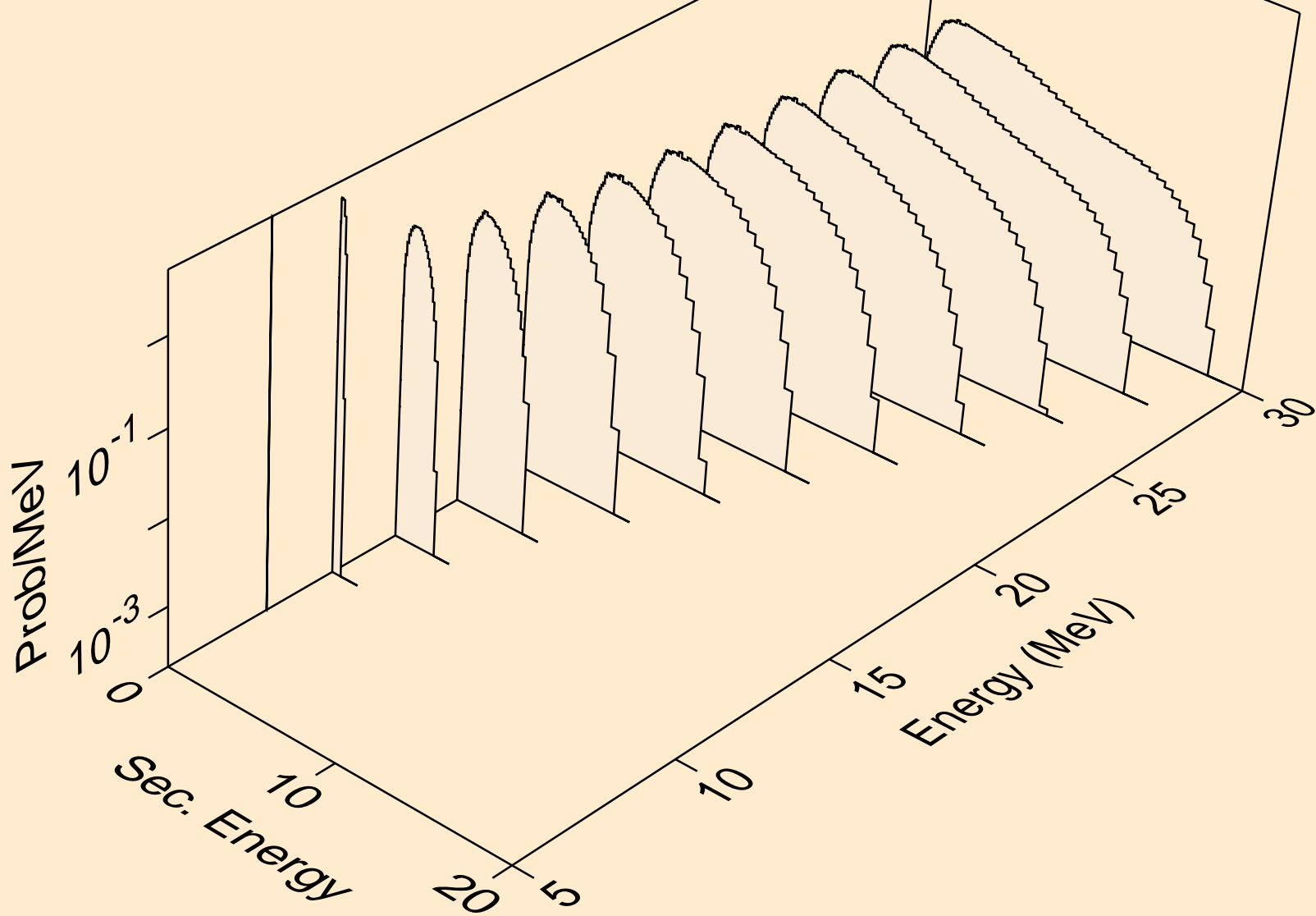
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neutrons from (p,3n)



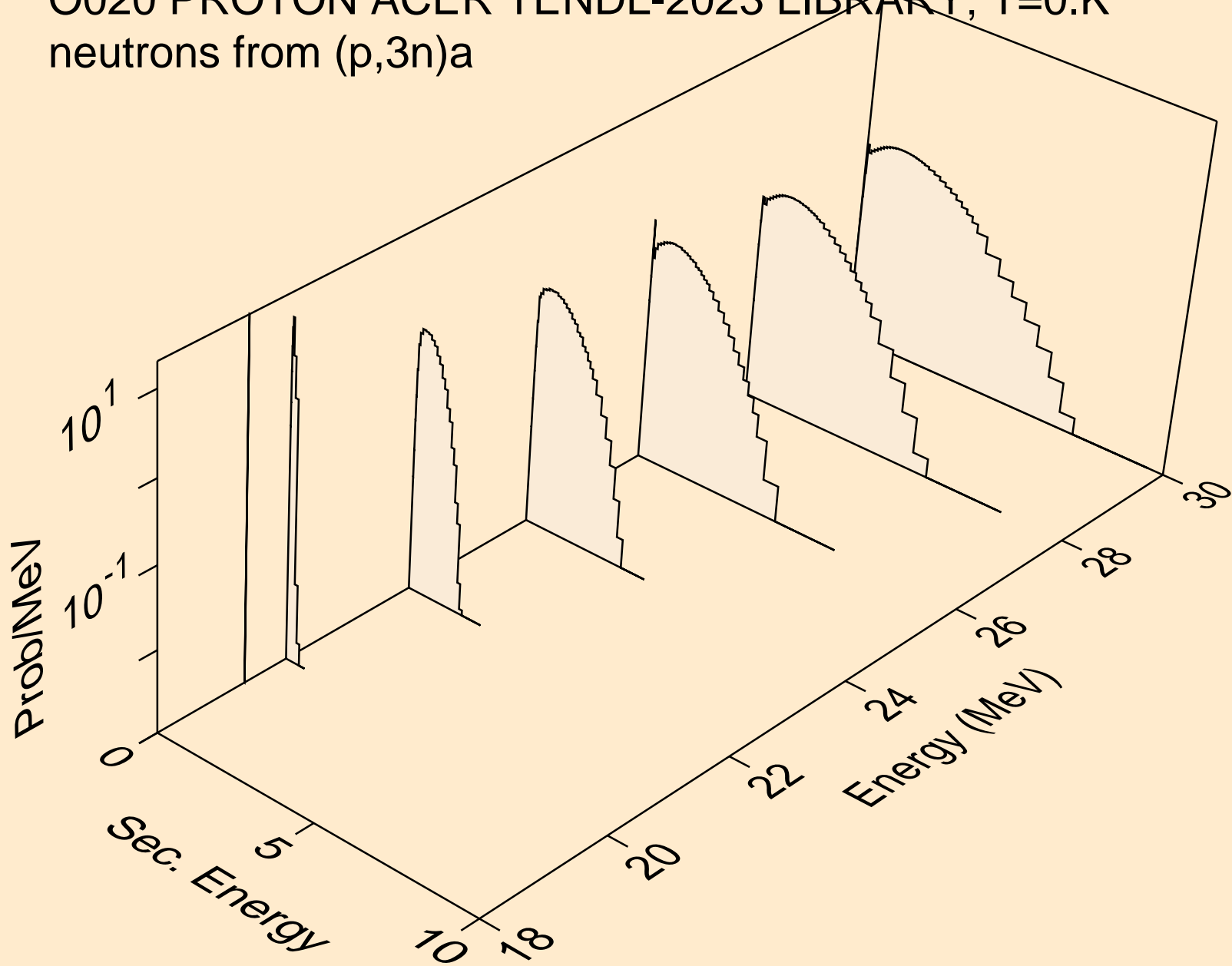
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neutrons from (p,n\*)a



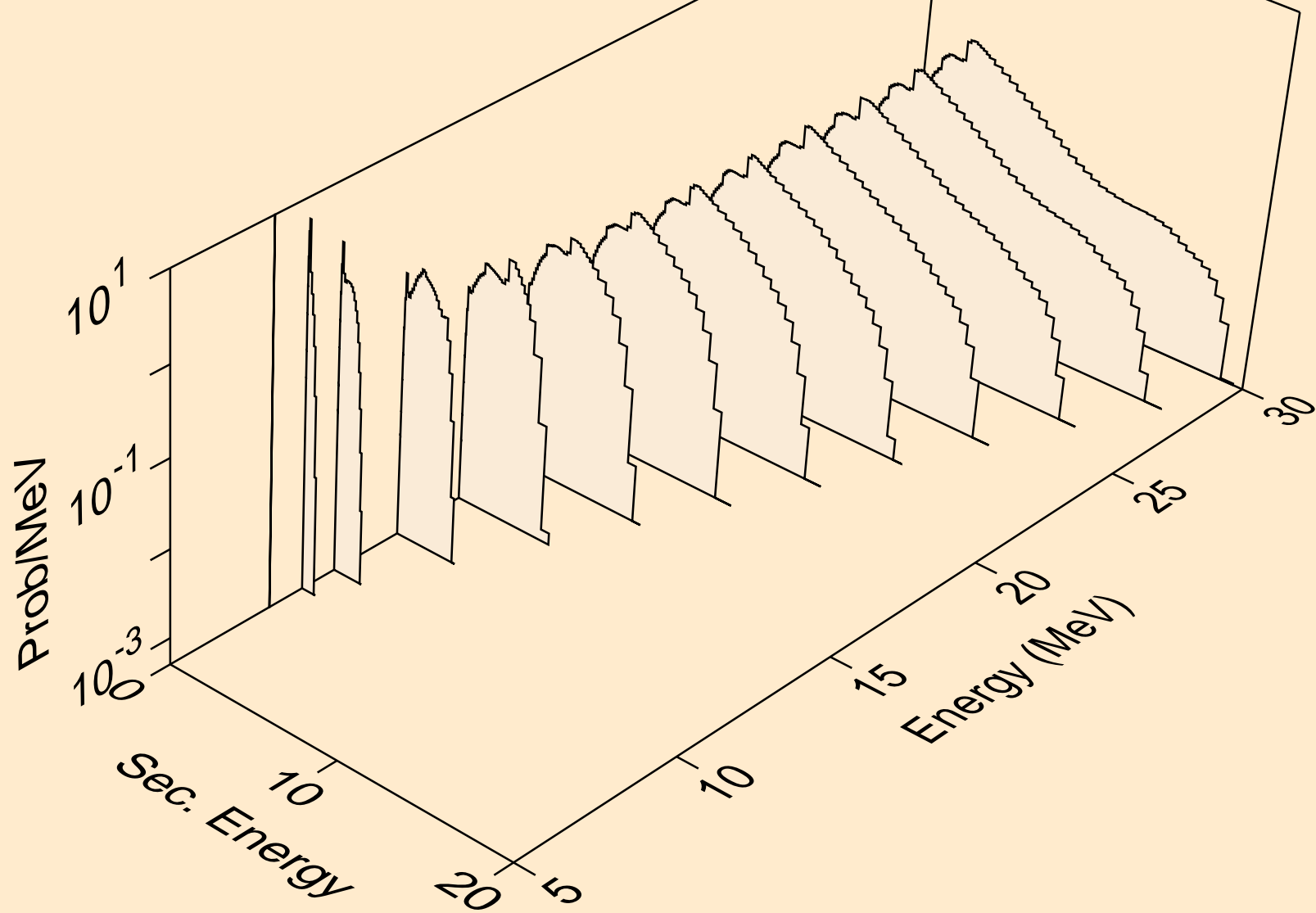
O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)a



O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3n)a

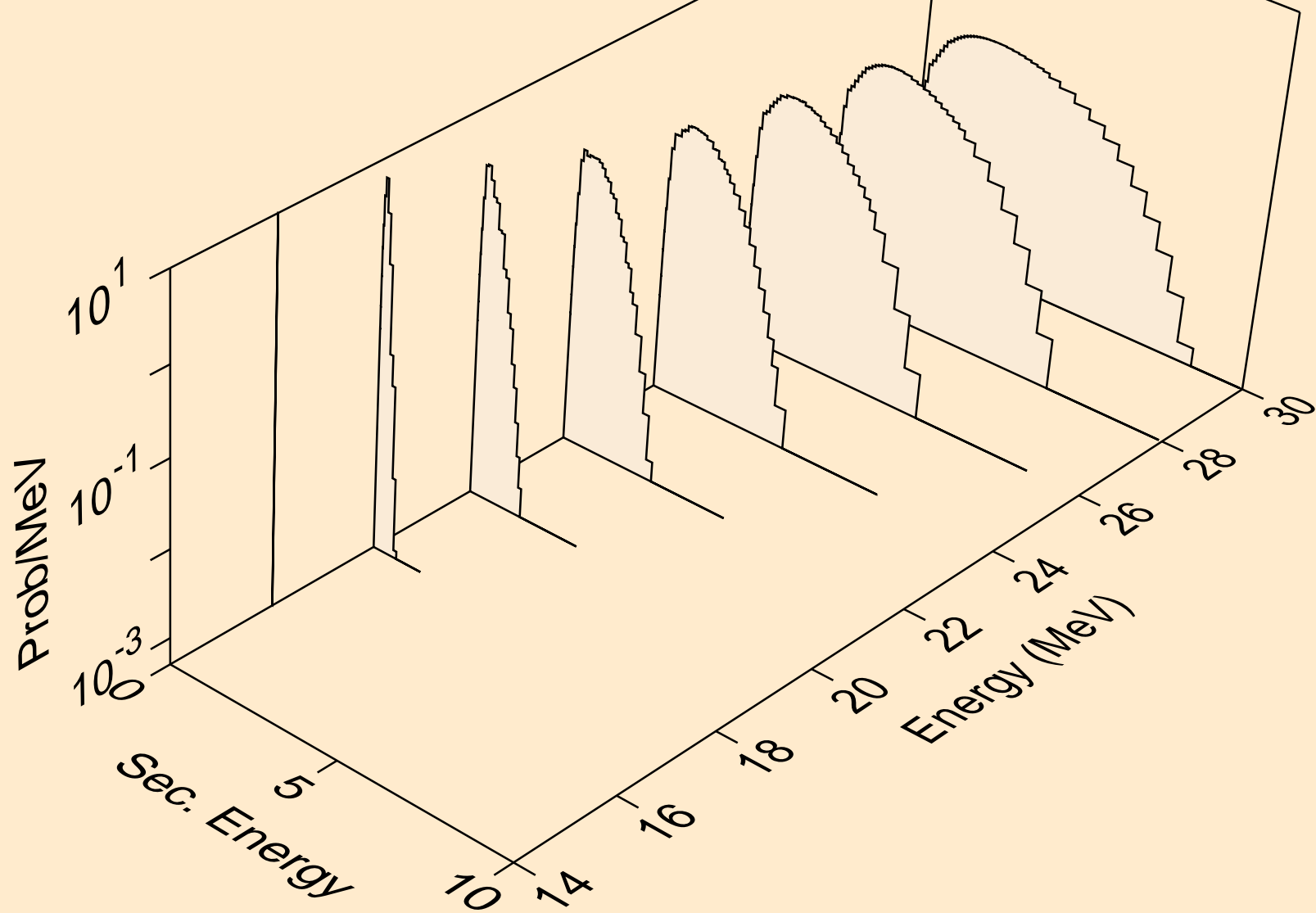


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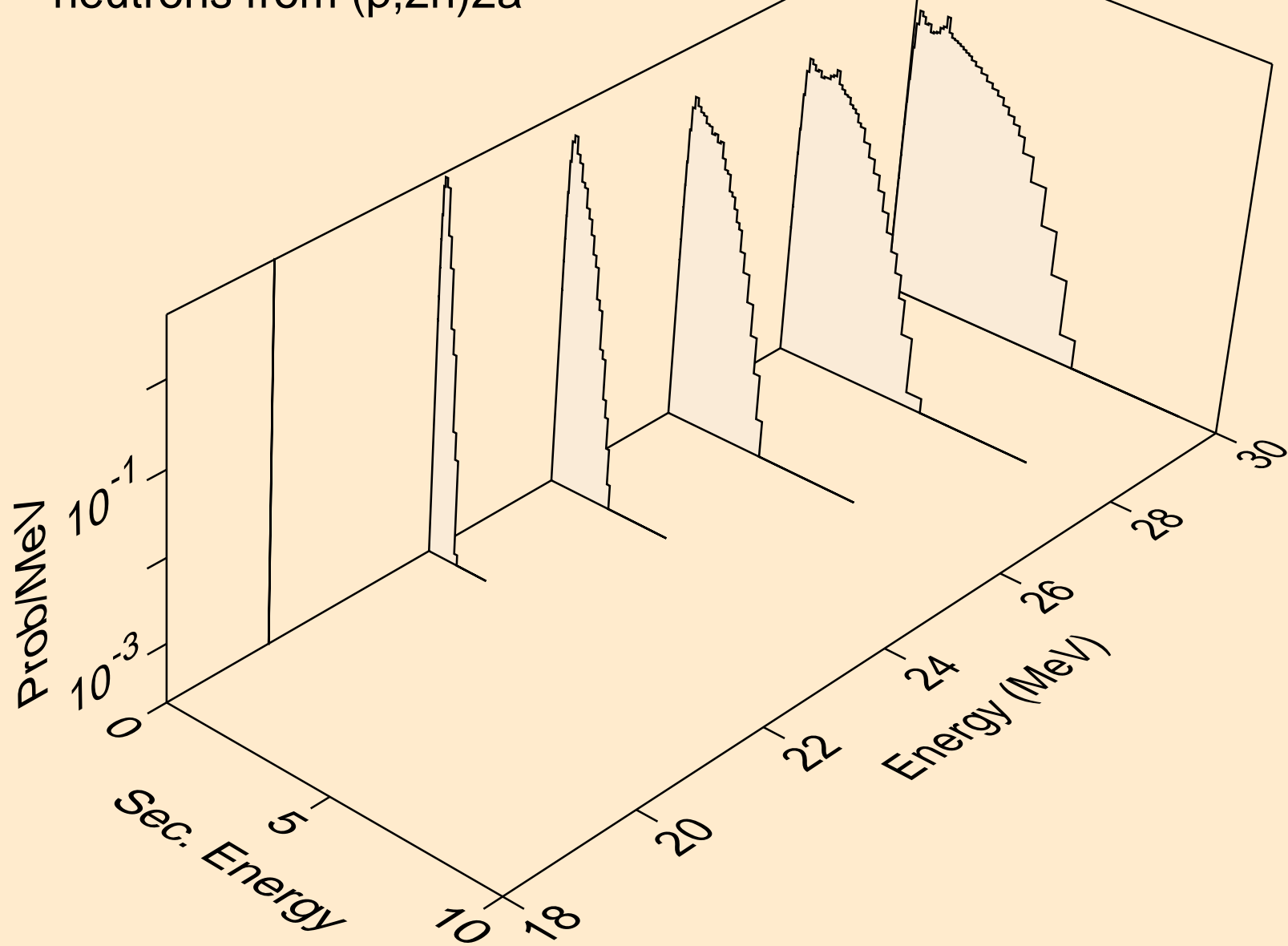




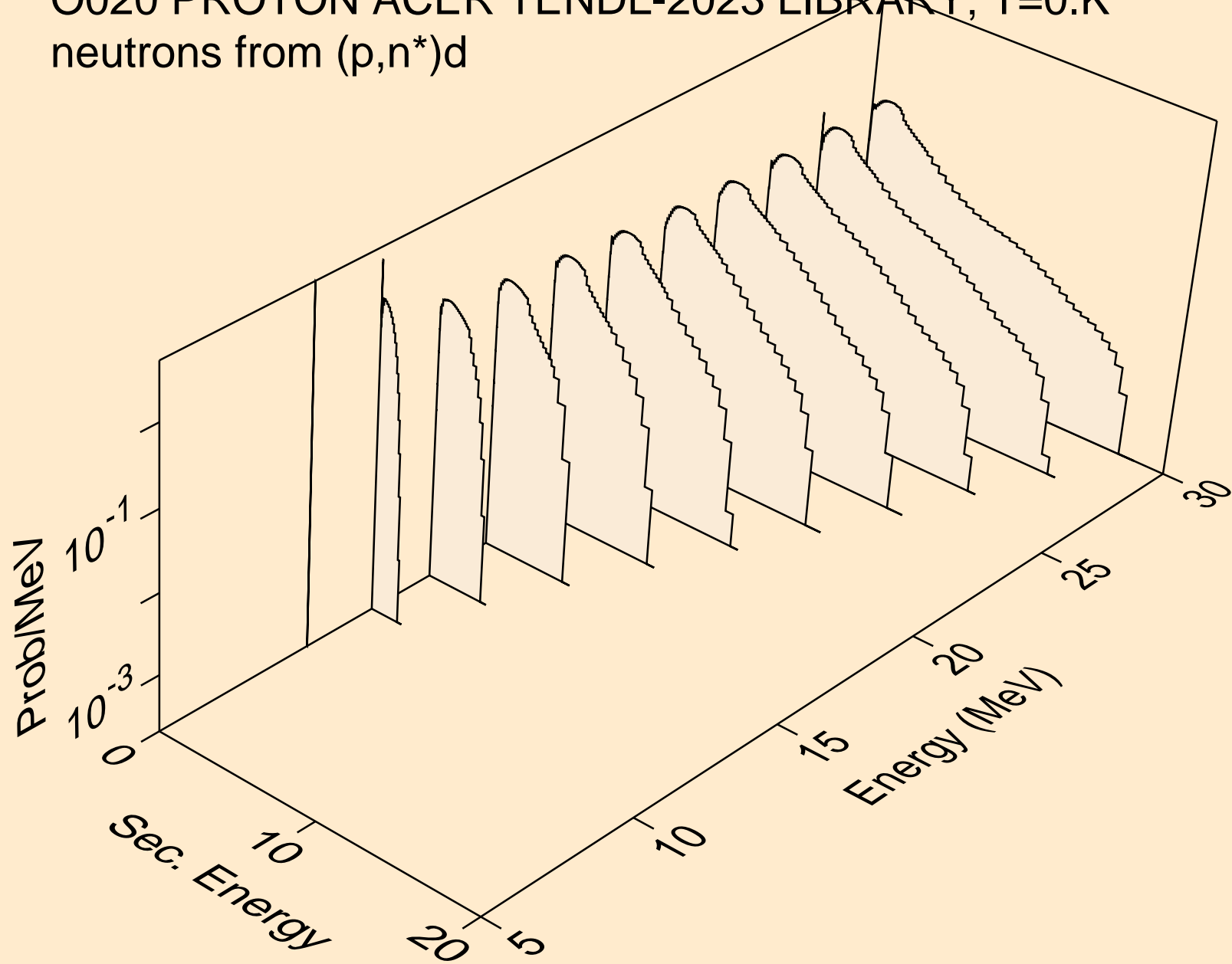
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neutrons from (p,n\*)2a



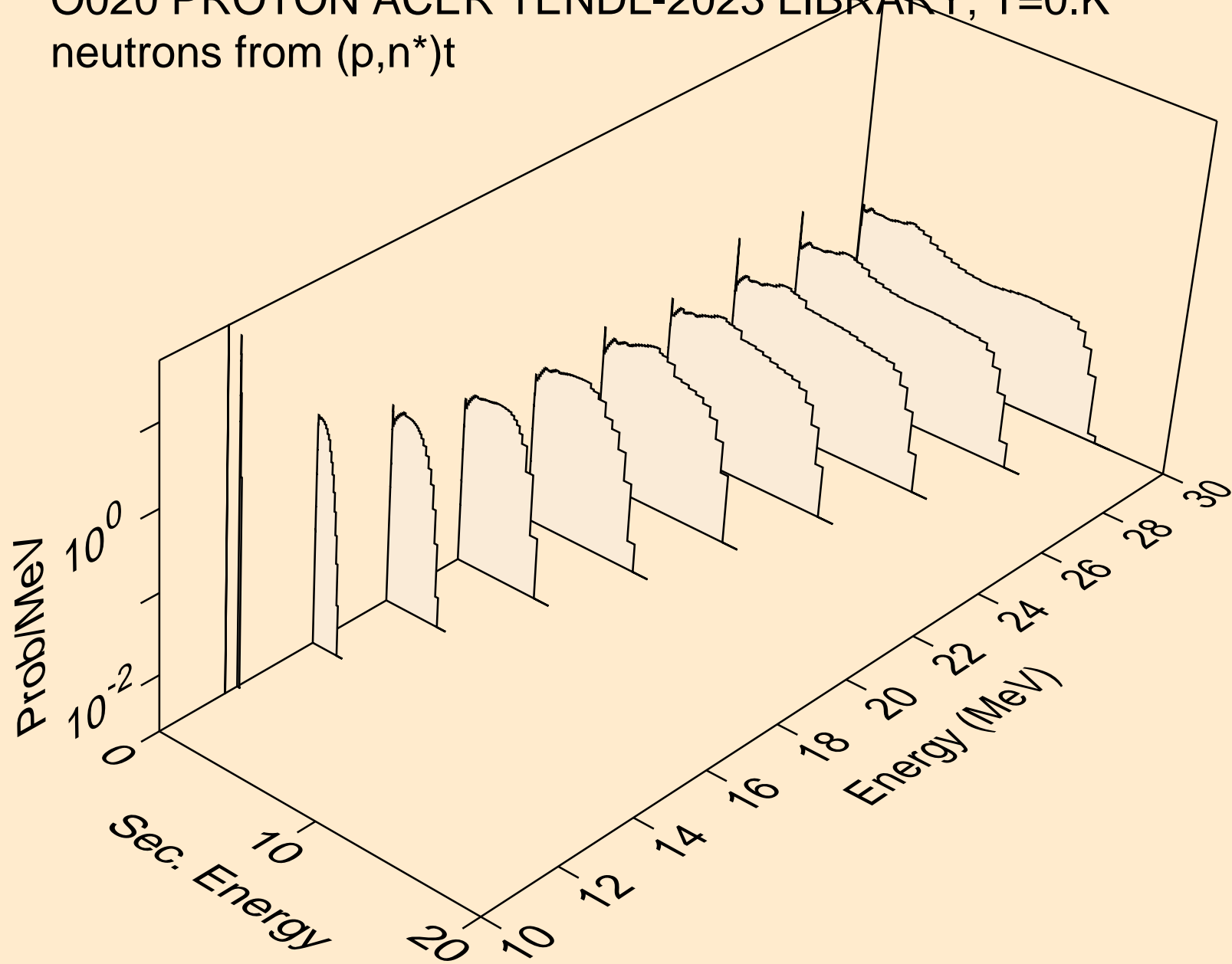
O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)2a



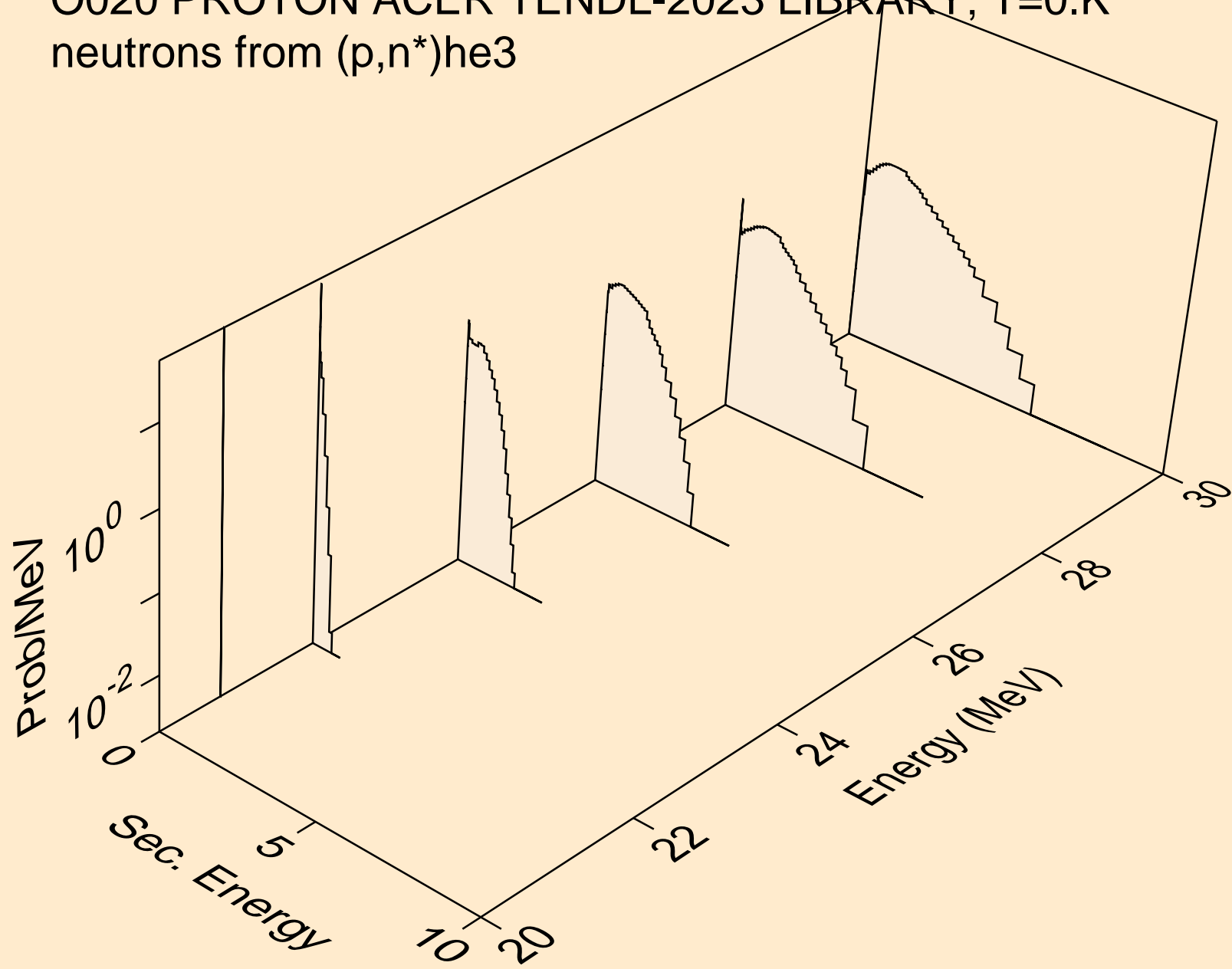
O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)d



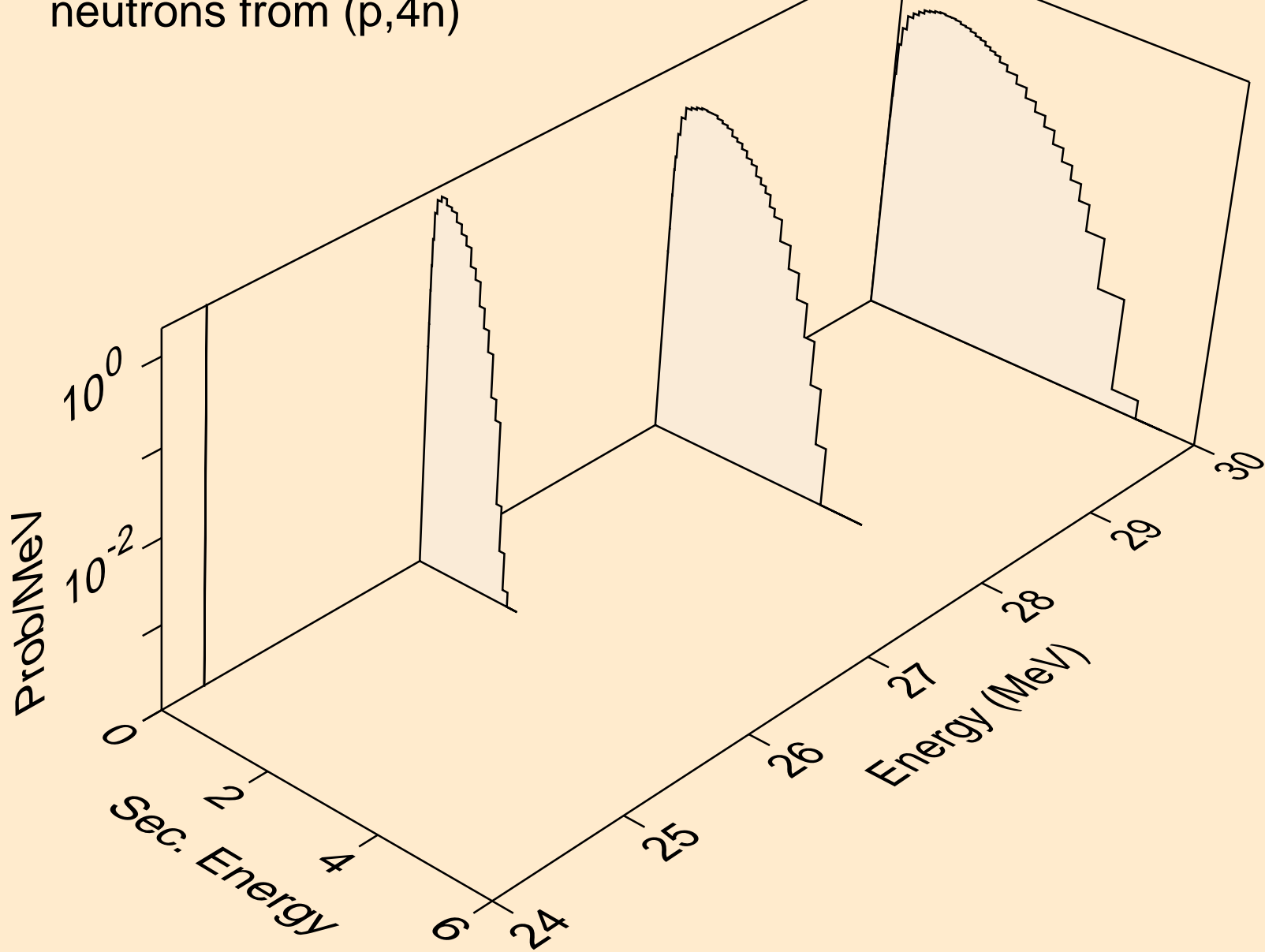
O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)t



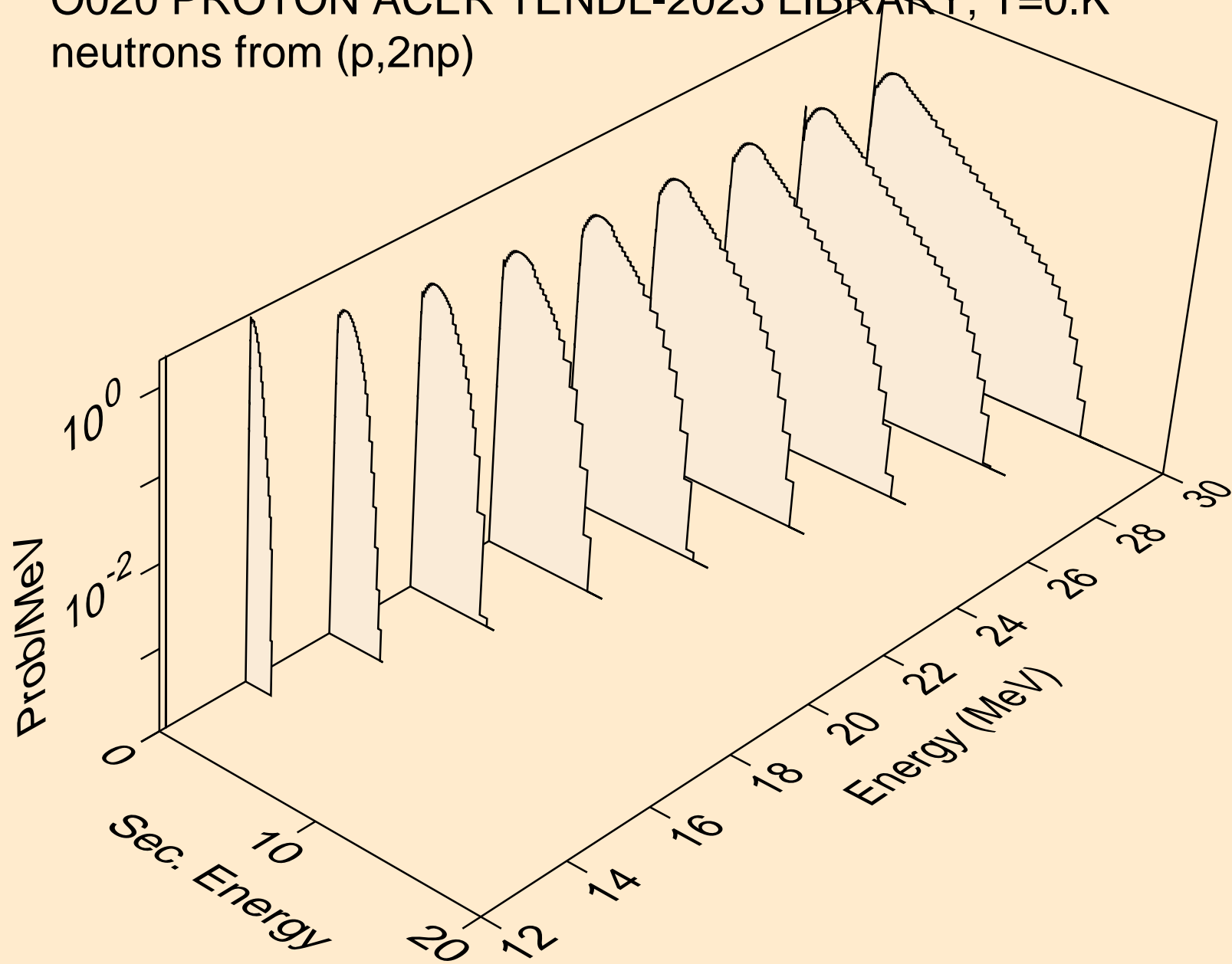
O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)he3



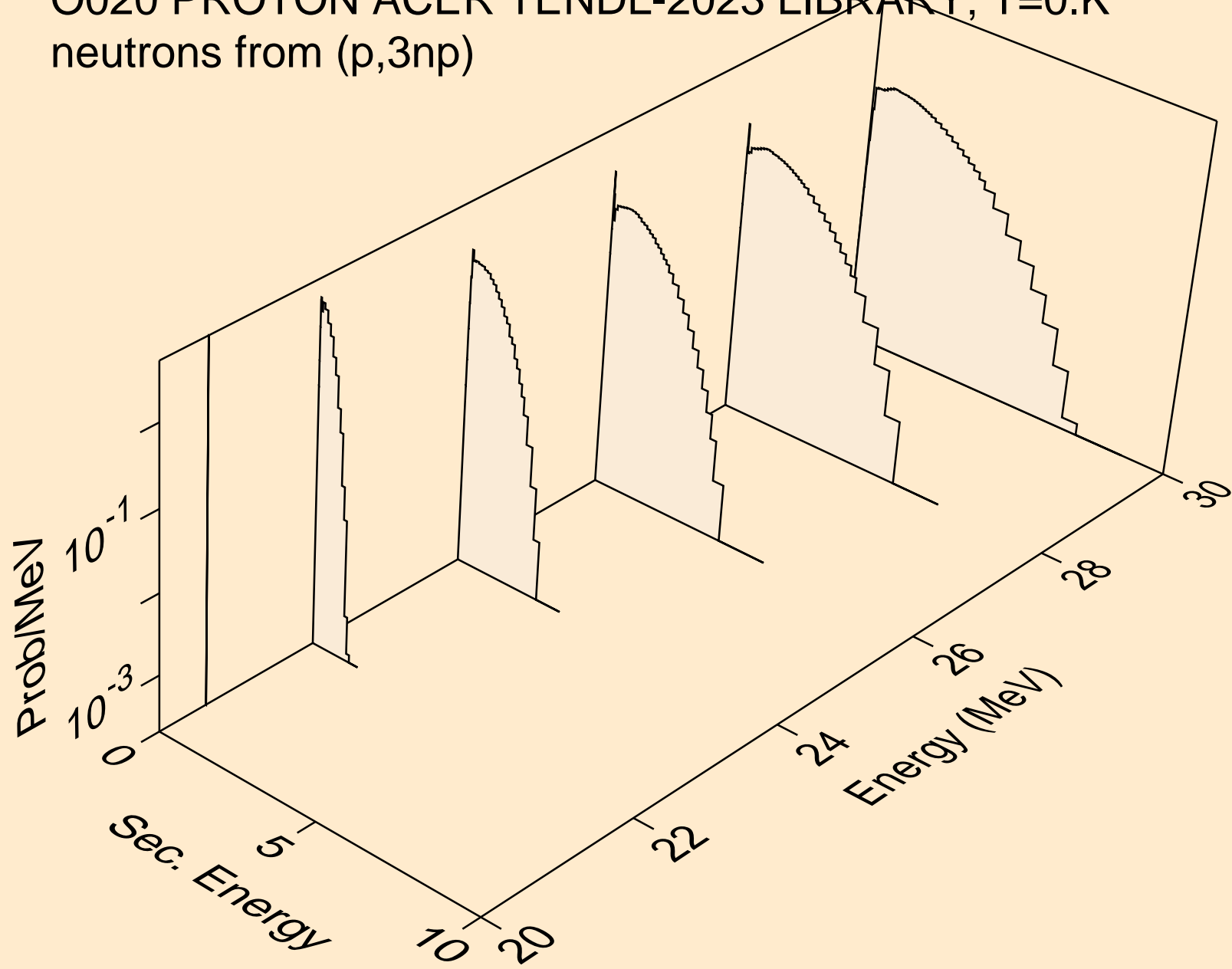
O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,4n)



O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2np)

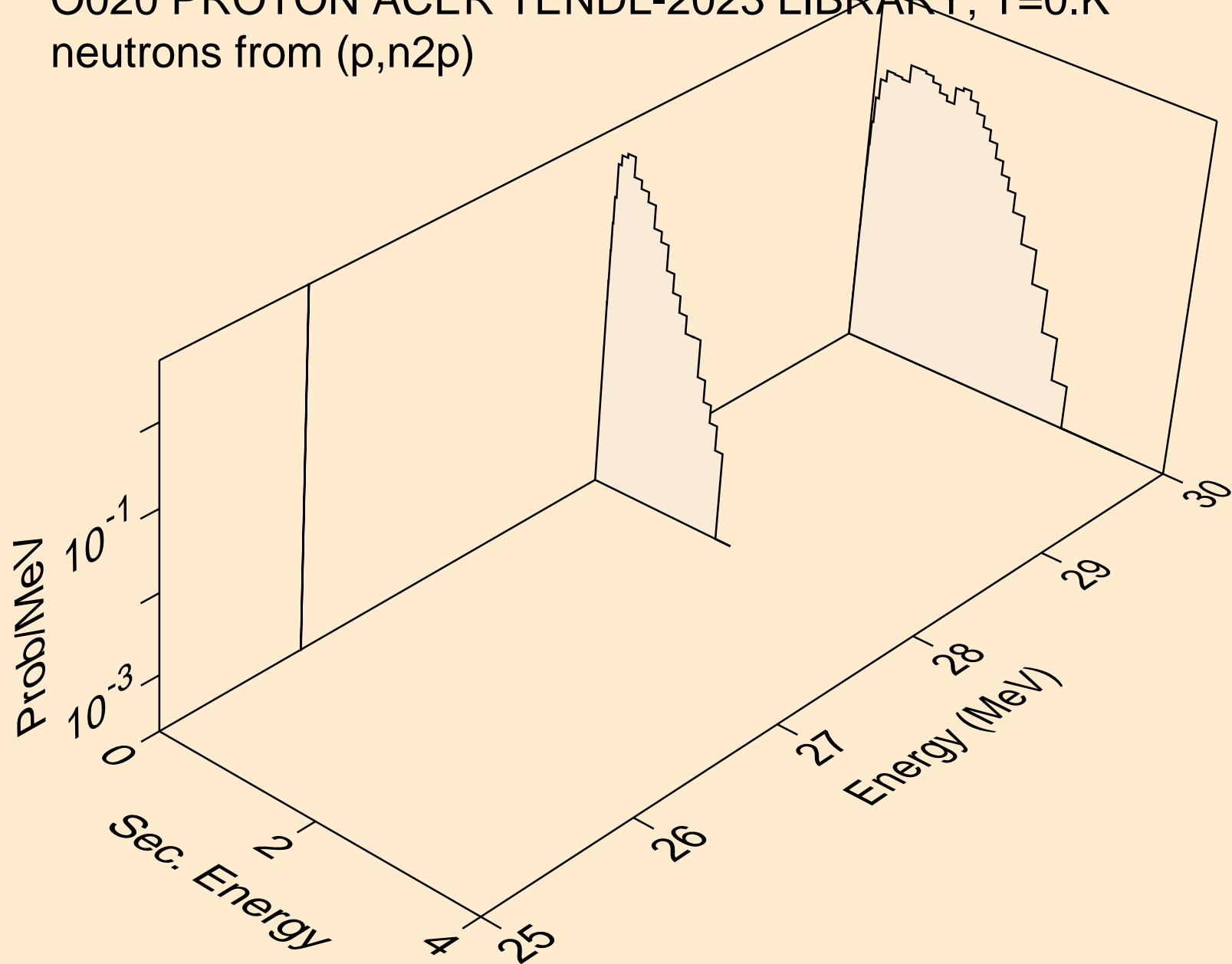


O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3np)

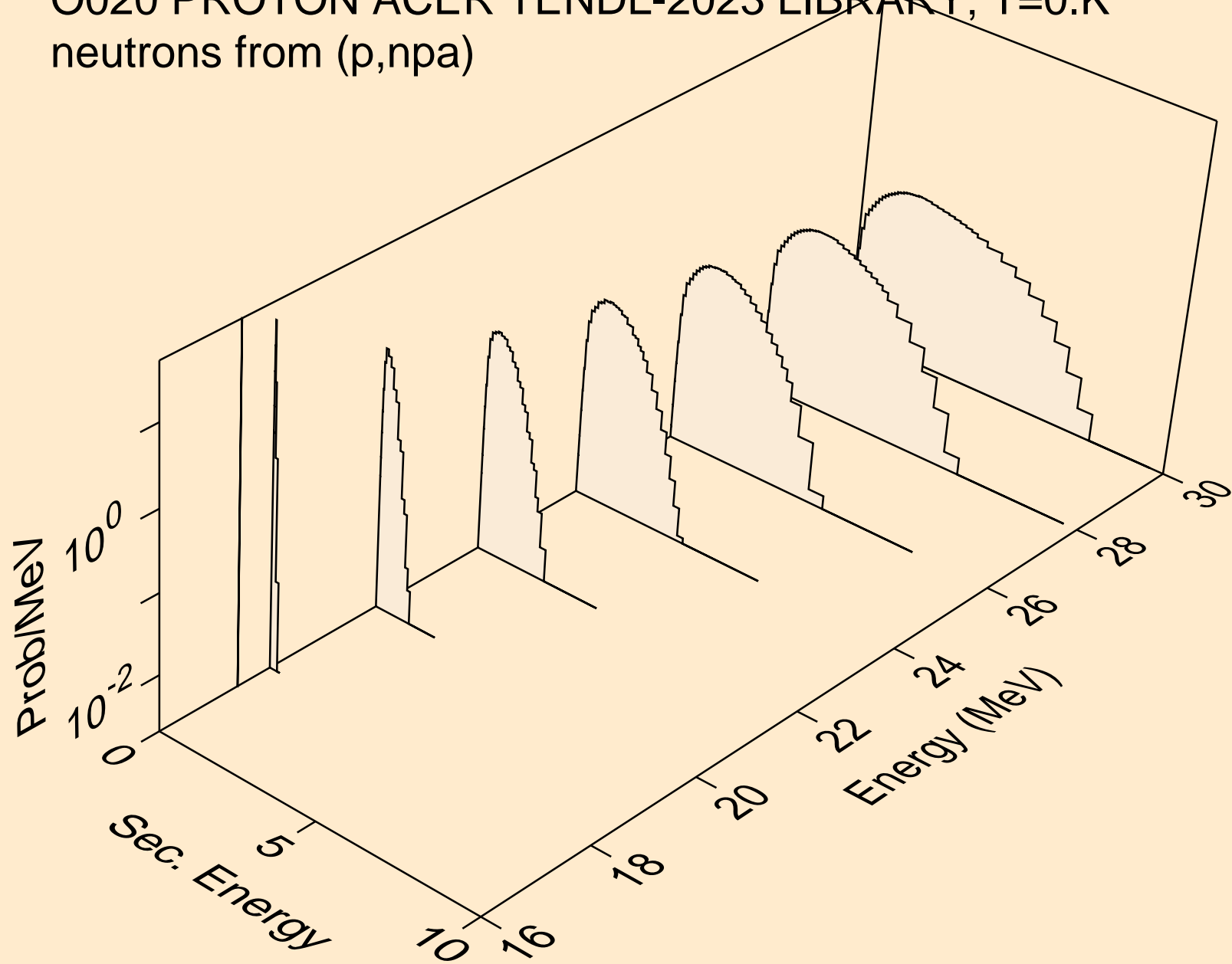




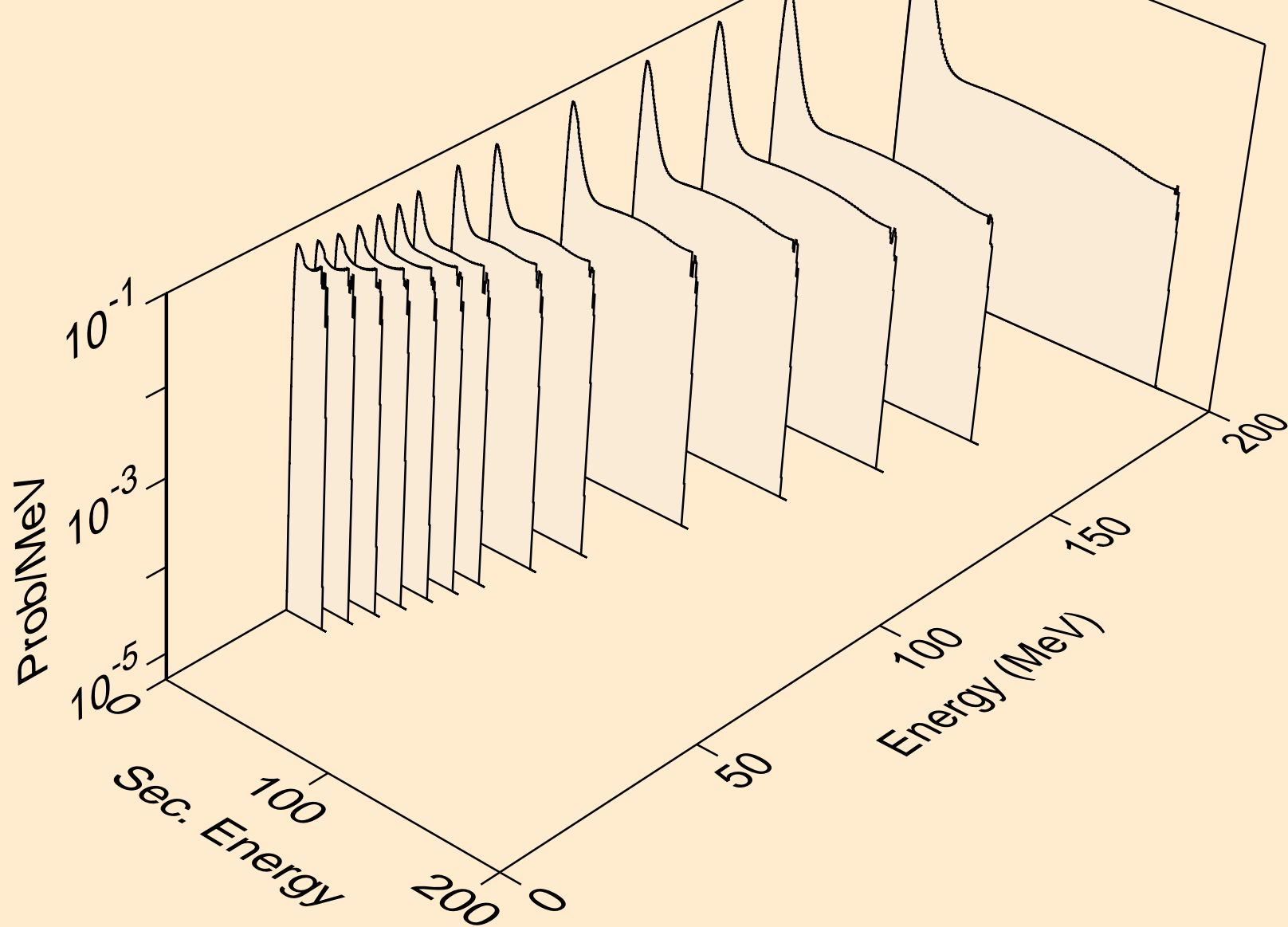
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neutrons from (p,n2p)



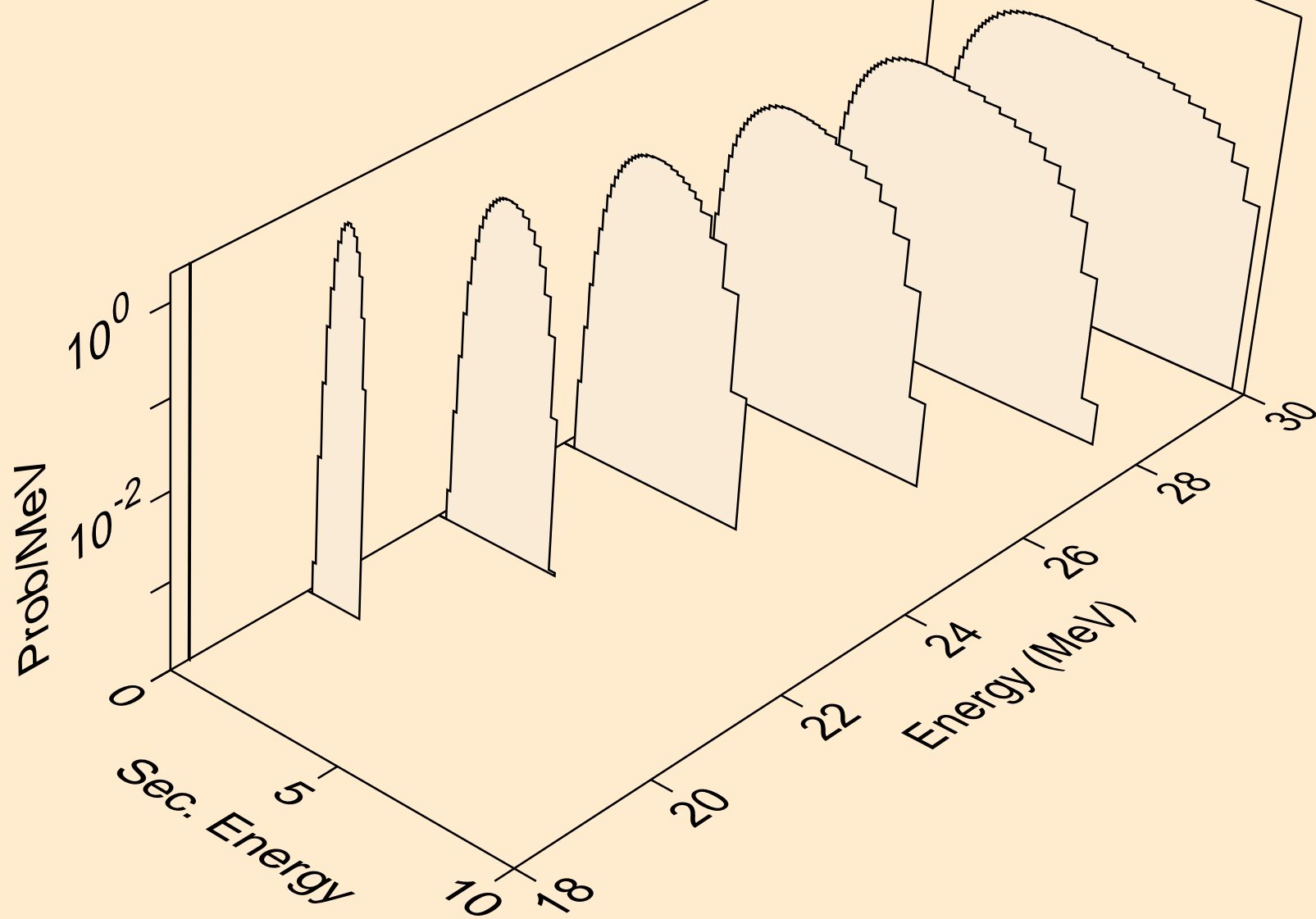
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neutrons from (p,npa)



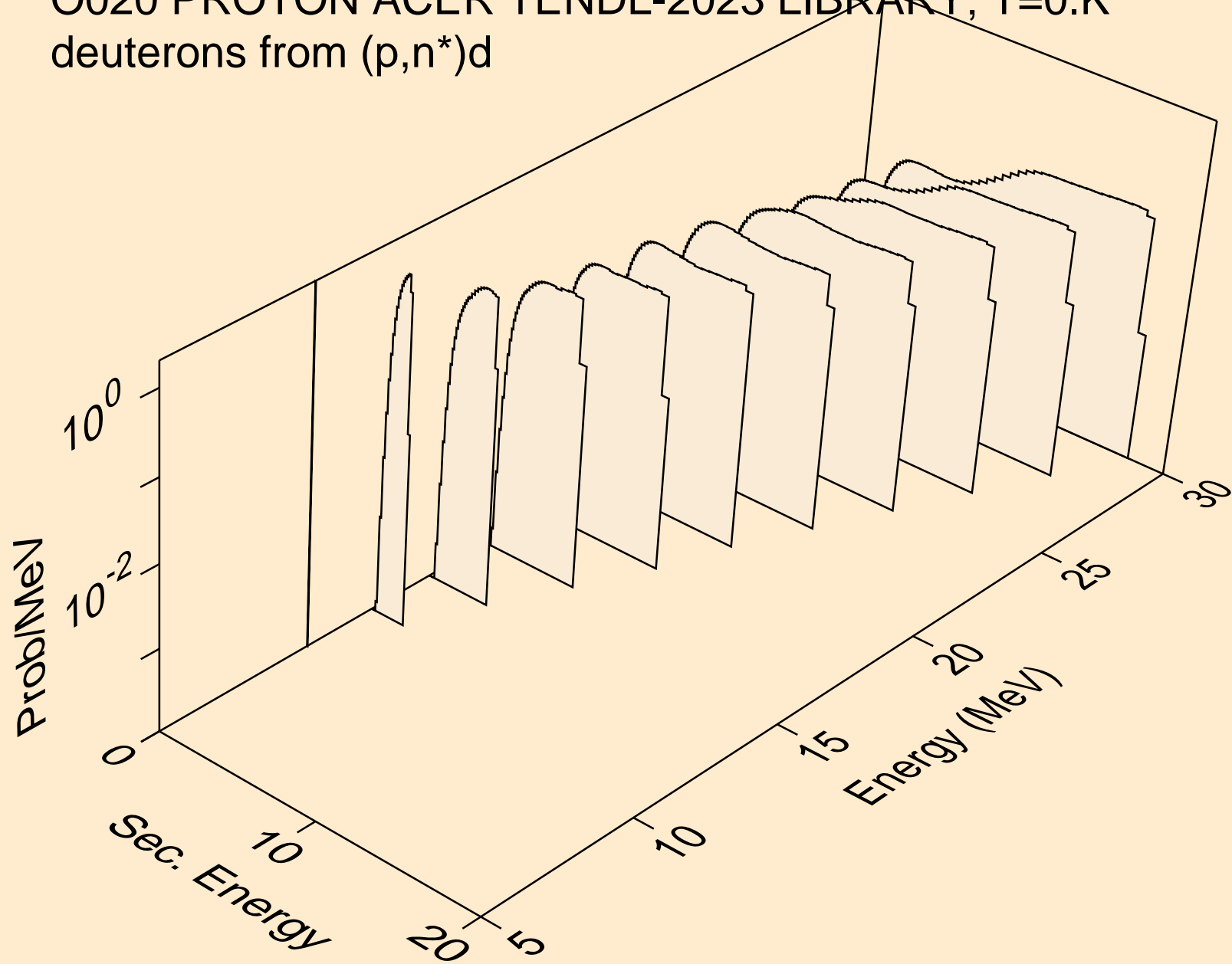
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deuterons from (p,x)



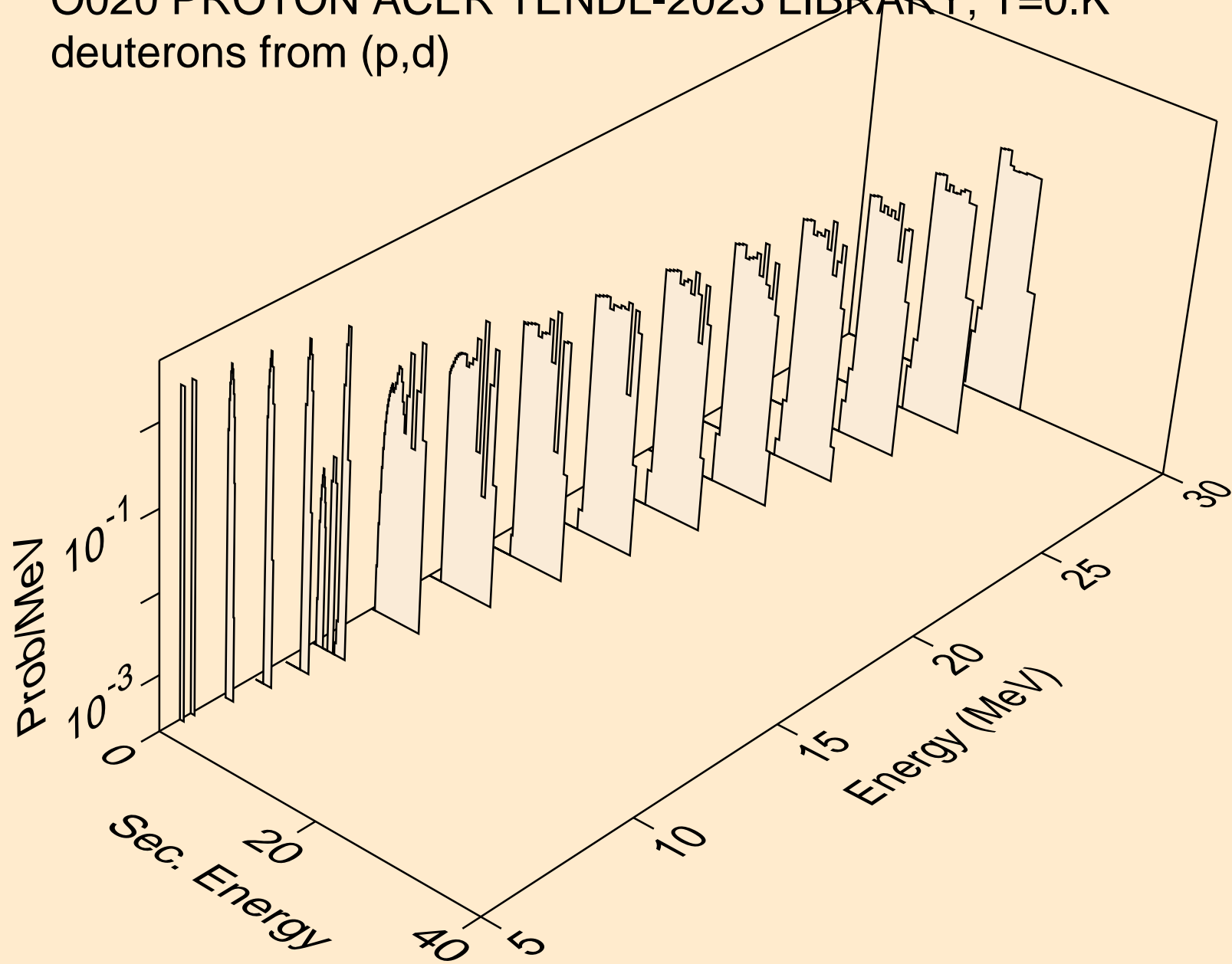
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deuterons from (p,2nd)



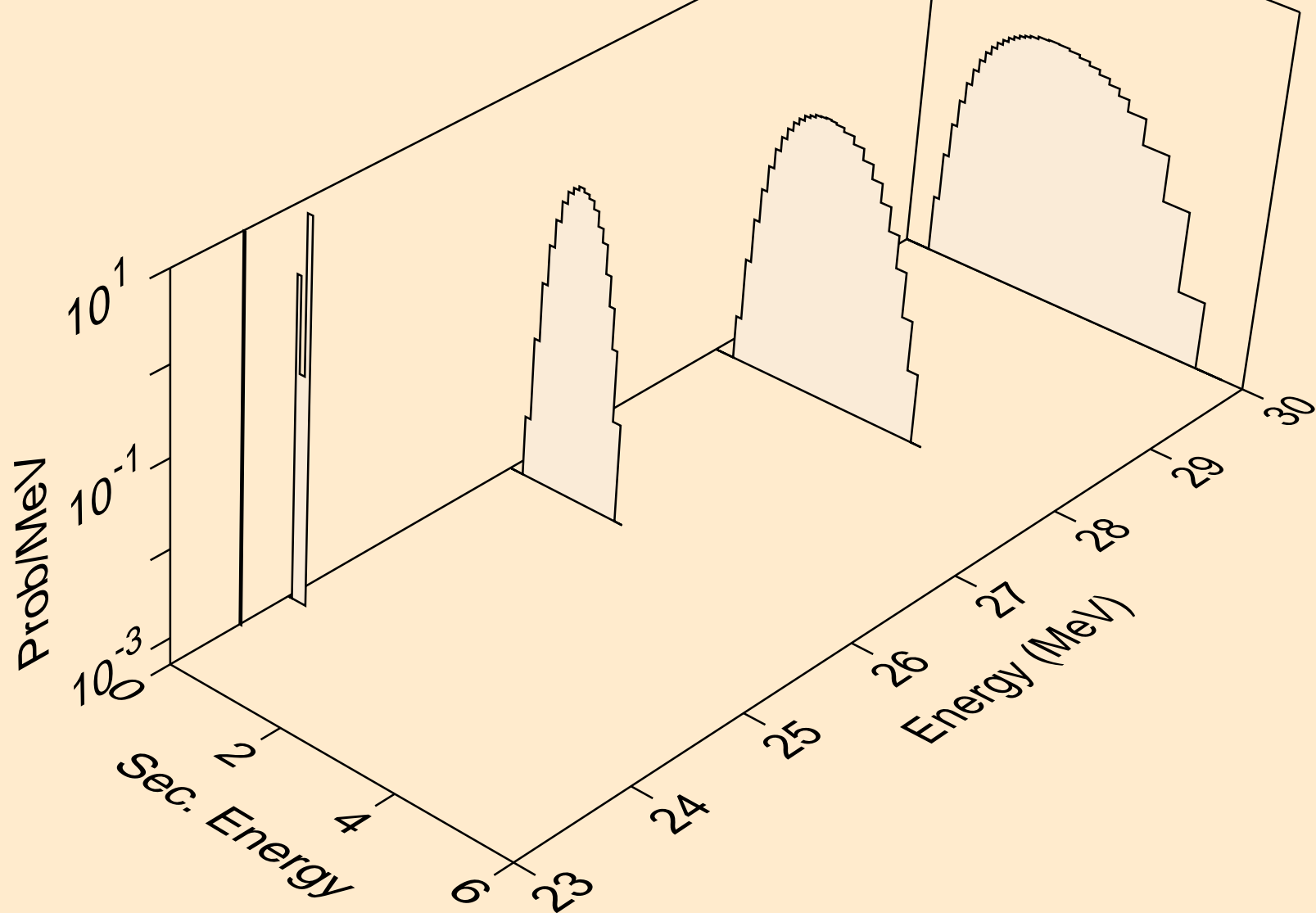
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deuterons from (p,n\*)d



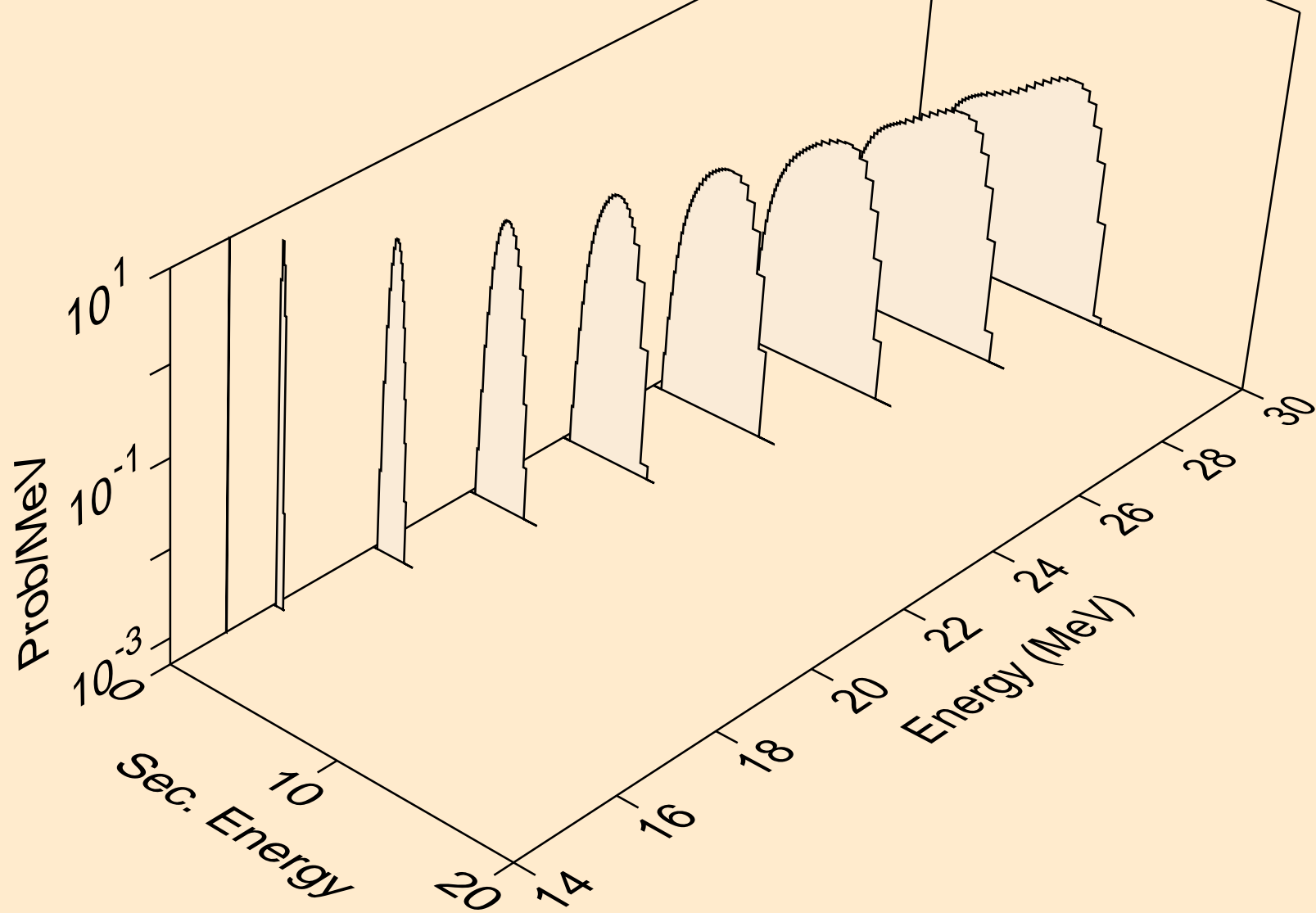
O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,d)



O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,pd)

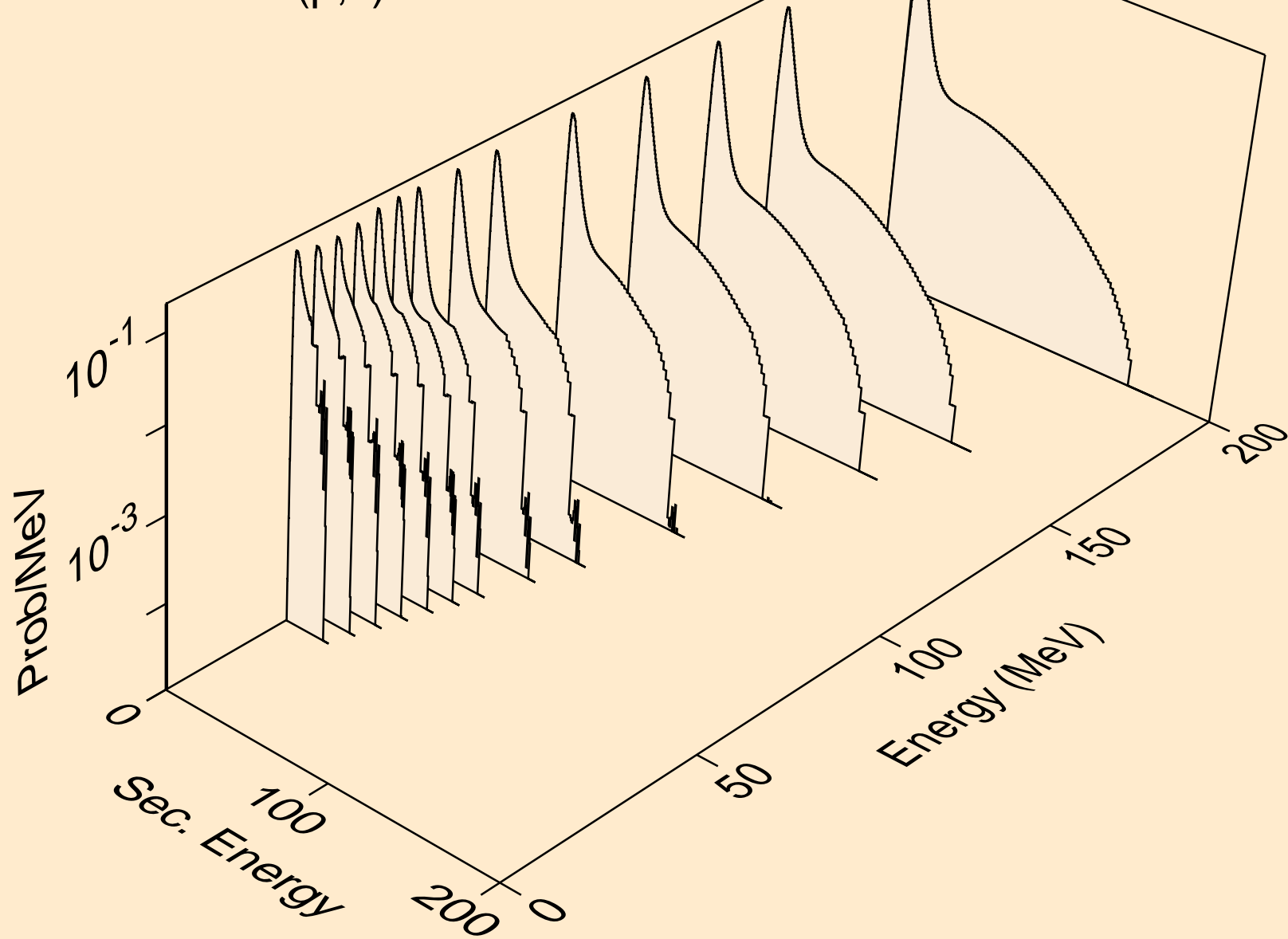


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deuterons from (p,da)

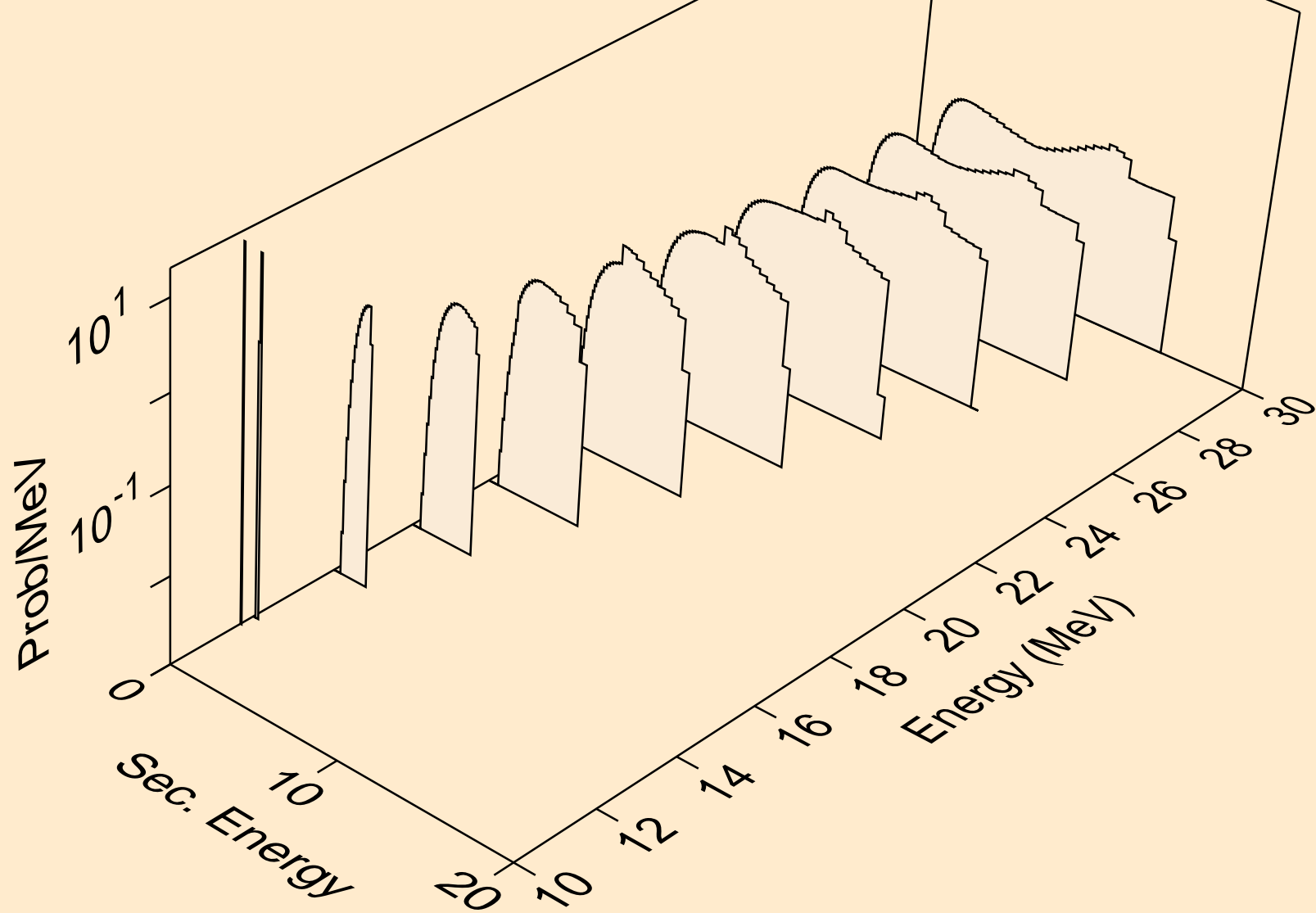




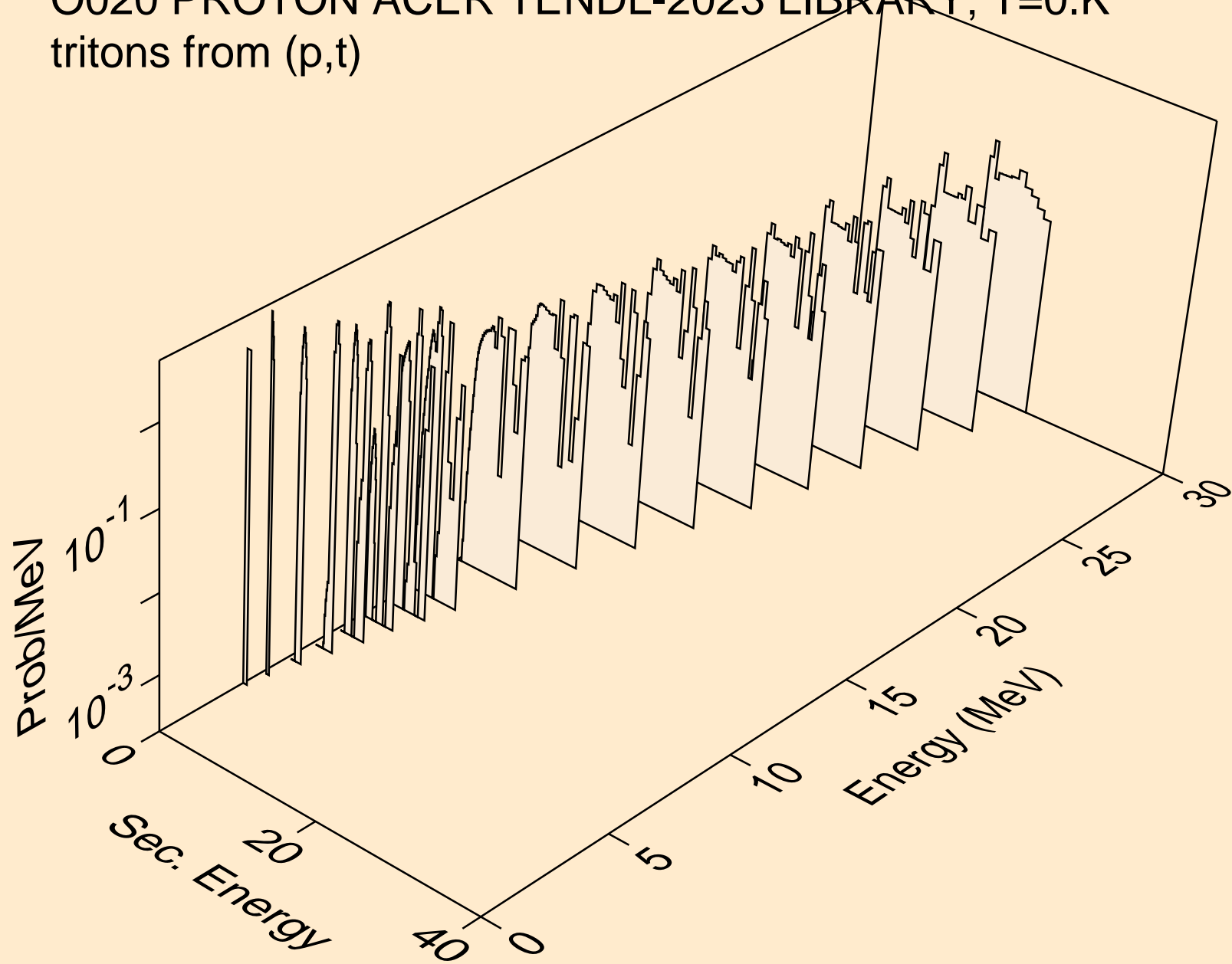
O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)



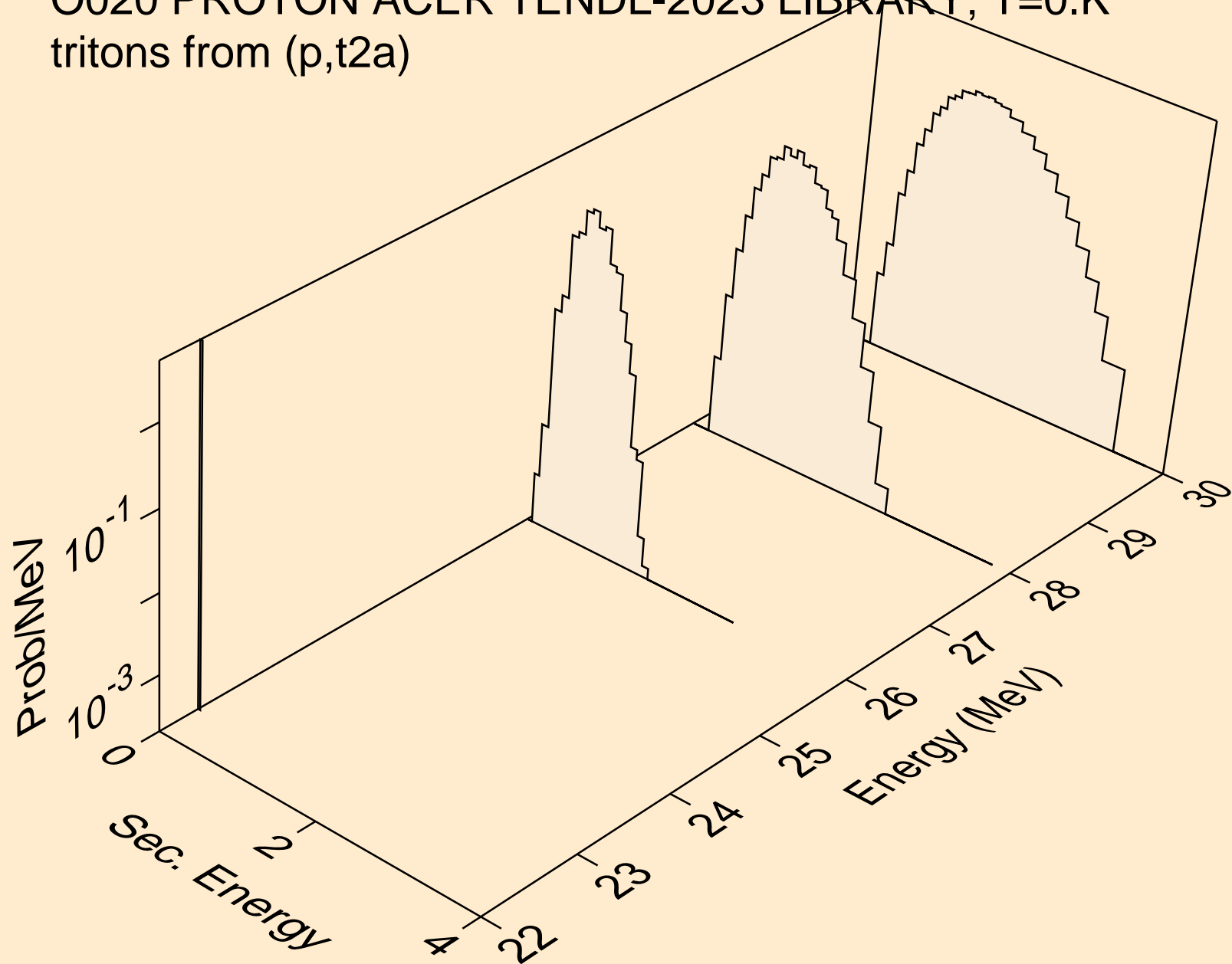
O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,n\*)t



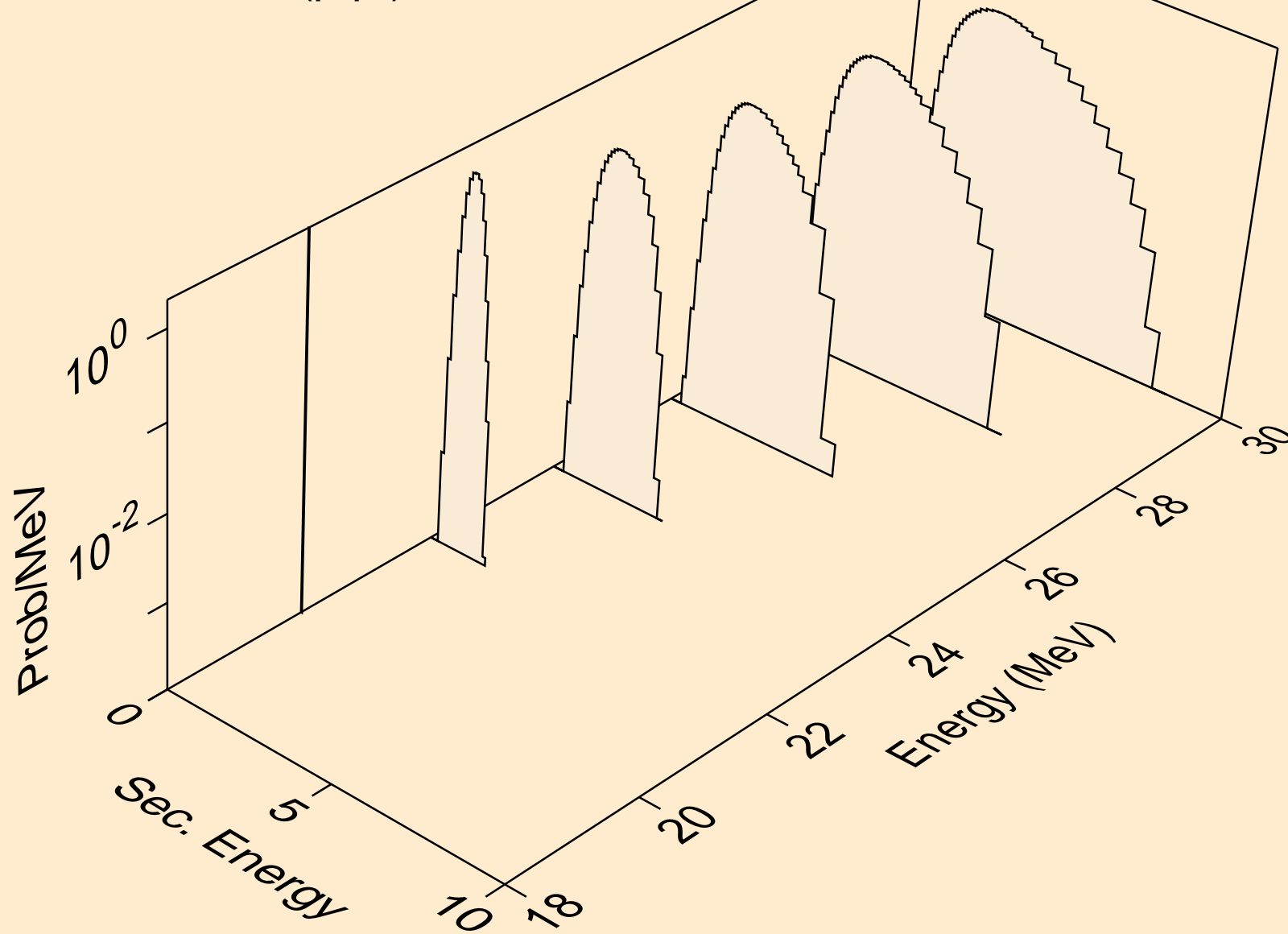
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tritons from (p,t)



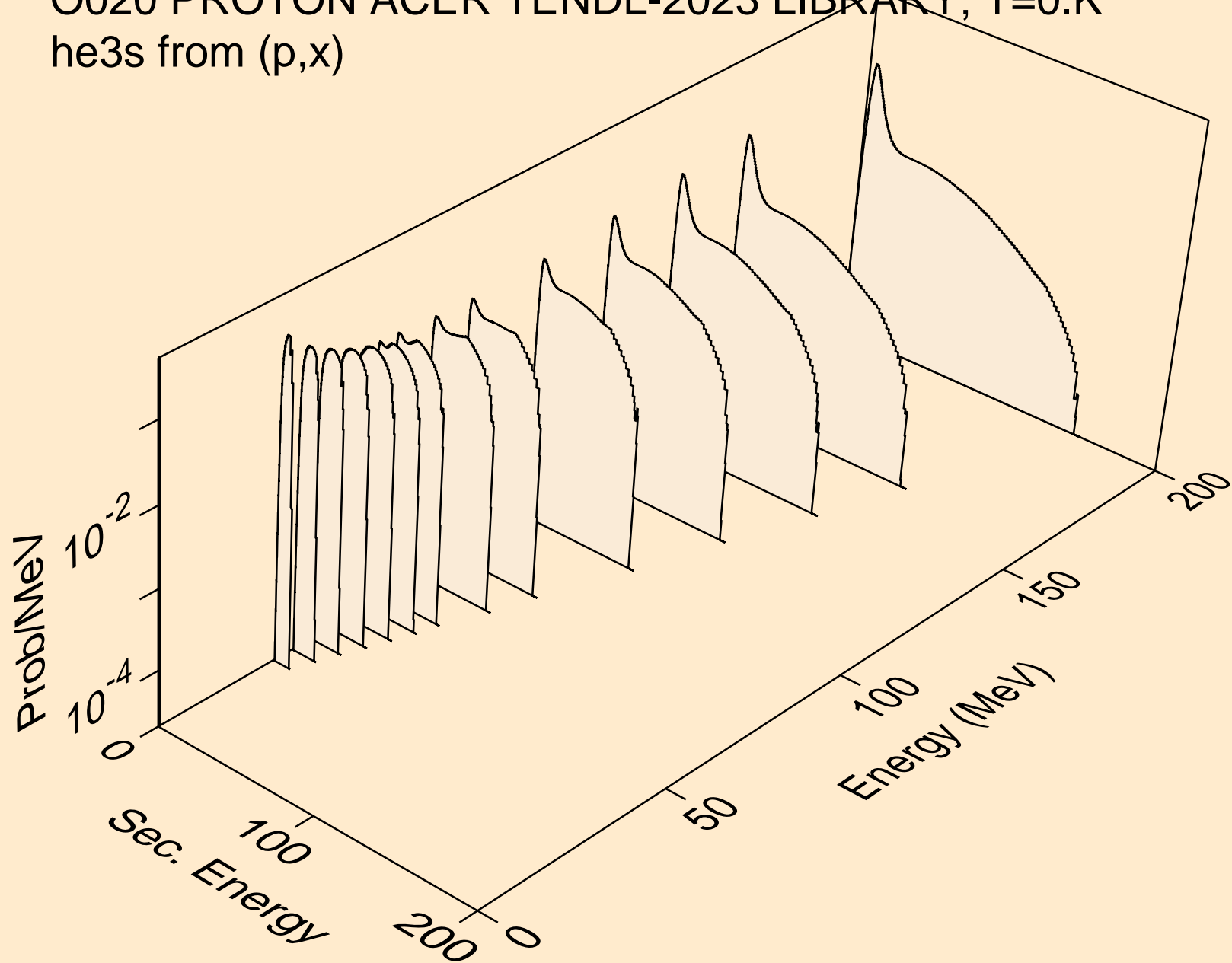
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tritons from (p,t2a)



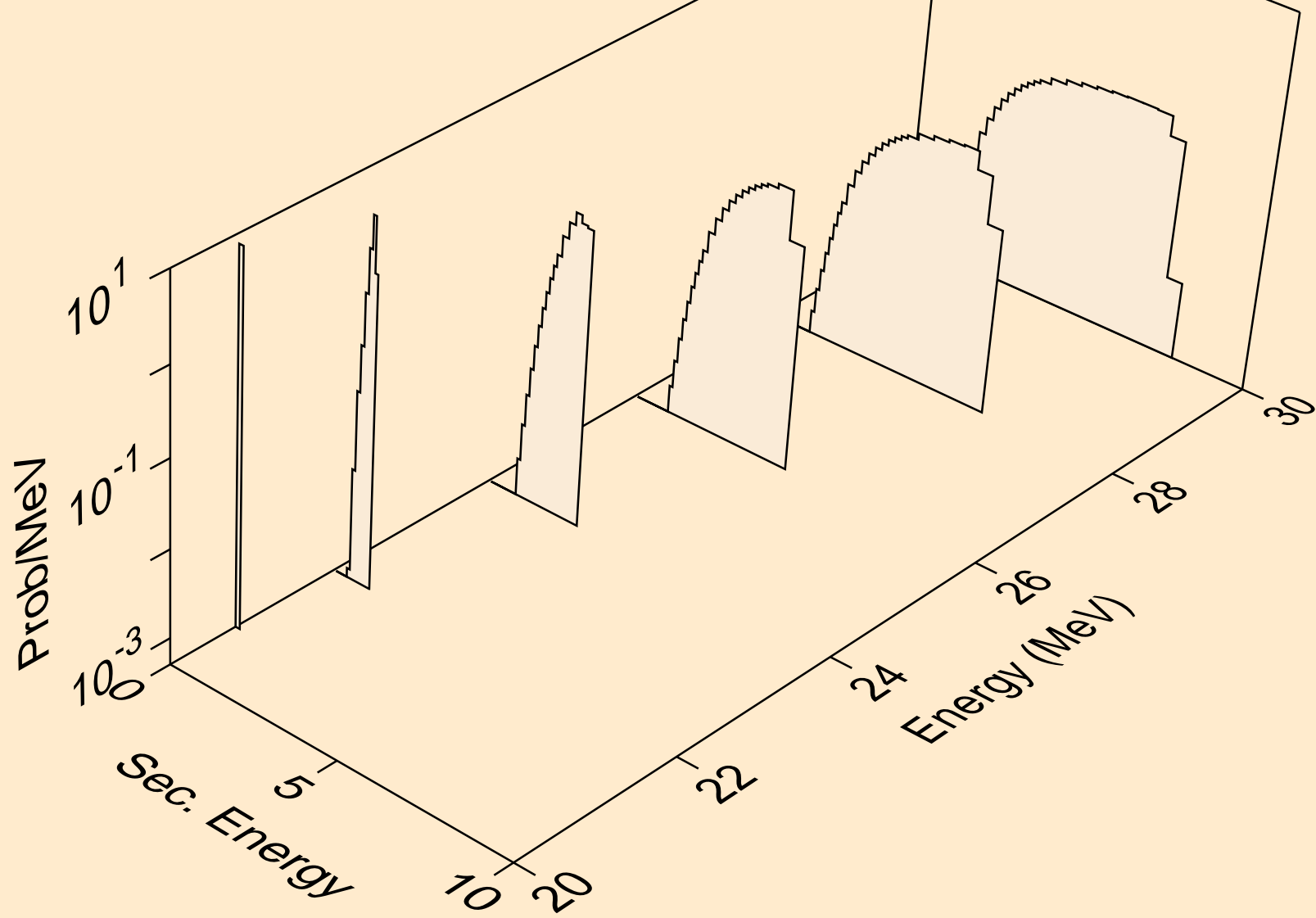
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tritons from (p,pt)



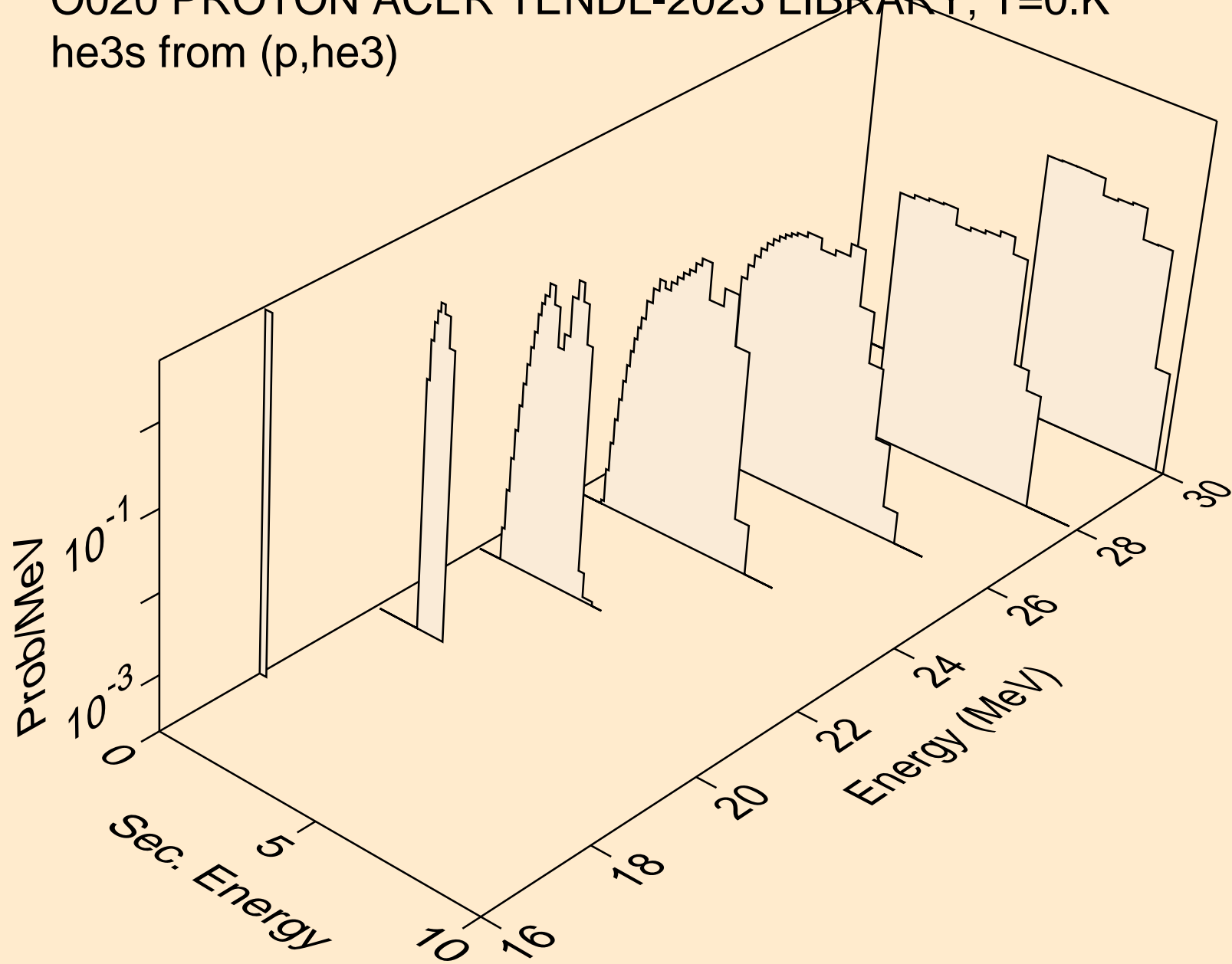
O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)



O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3

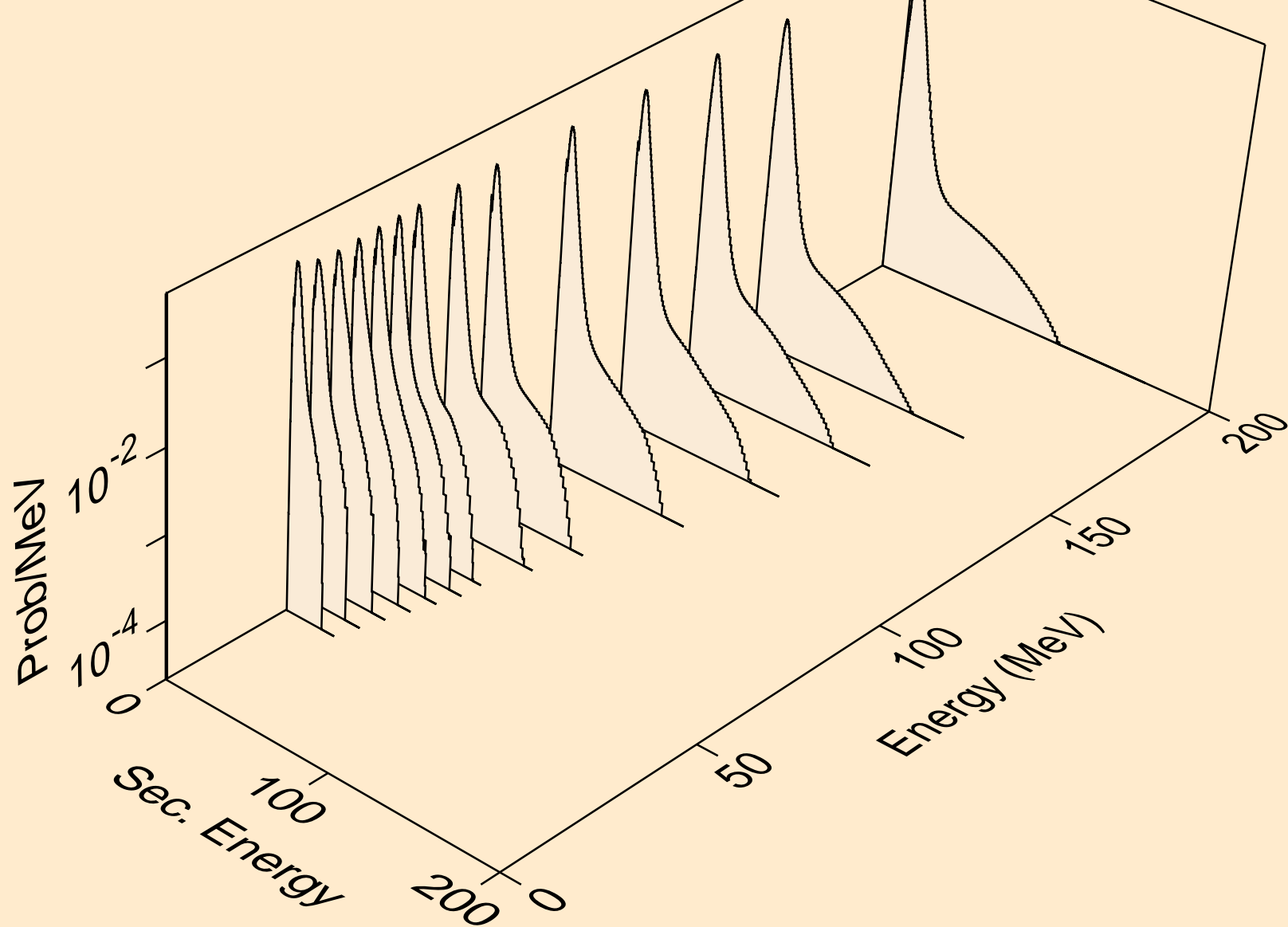


O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,he3)

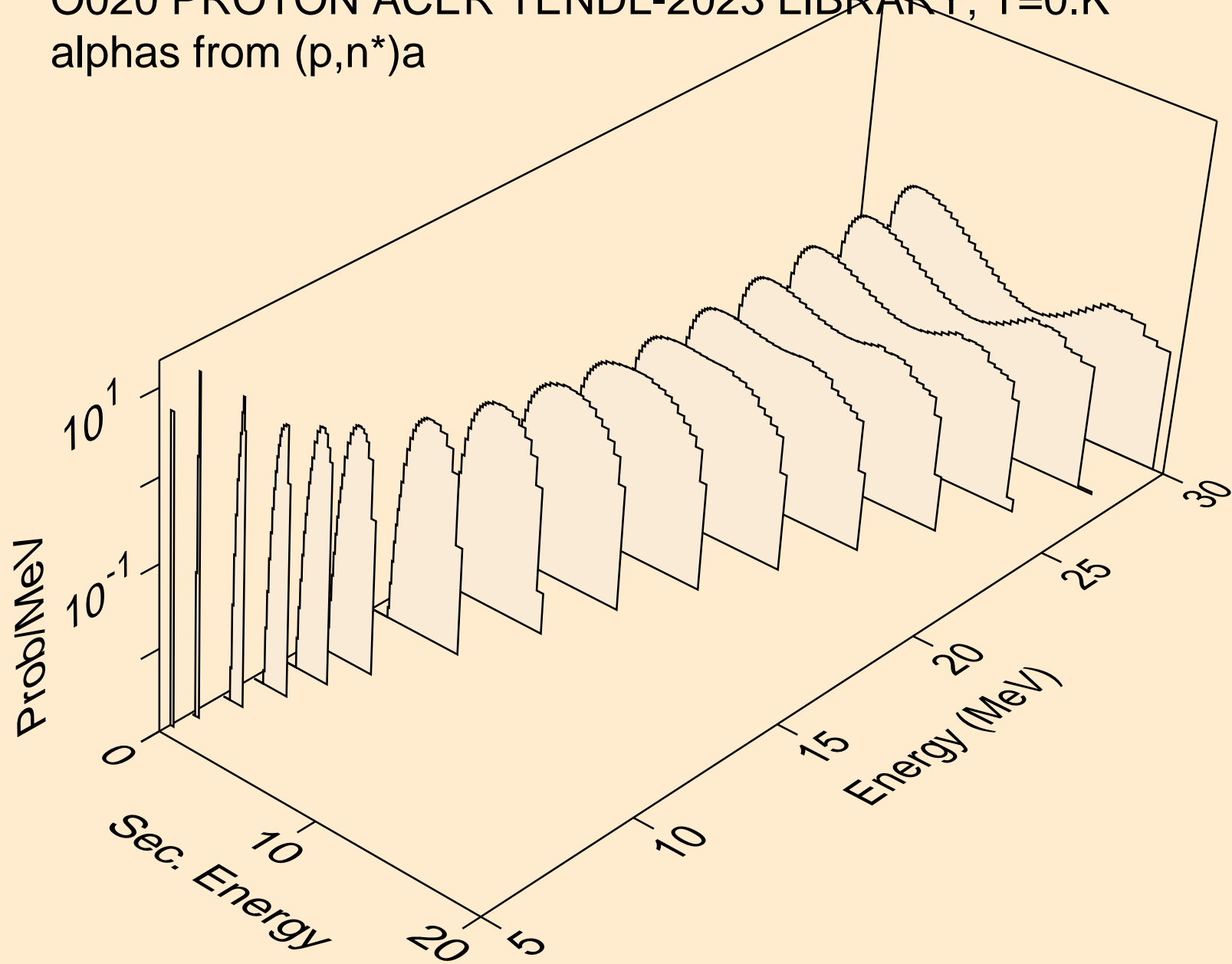




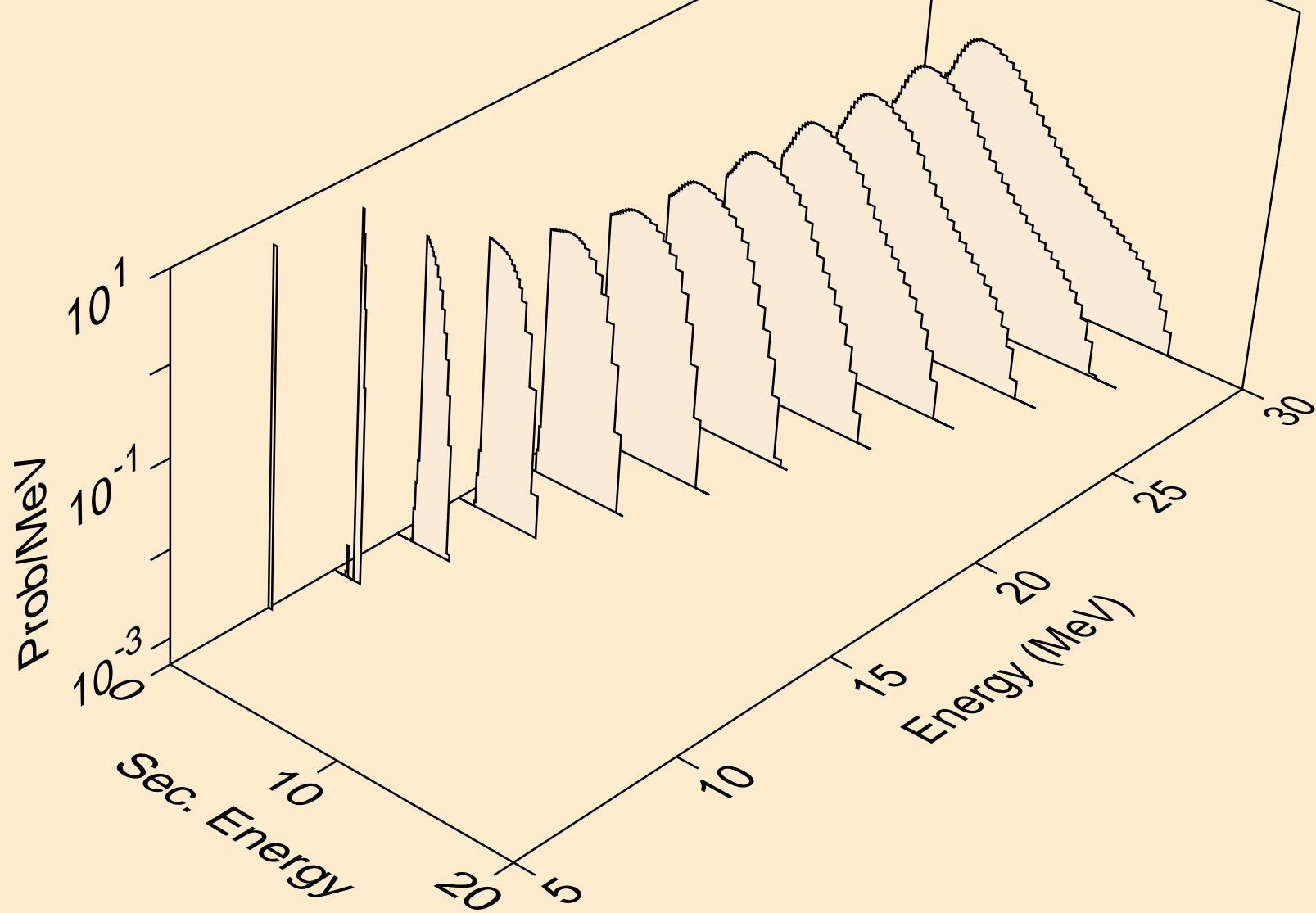
O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)



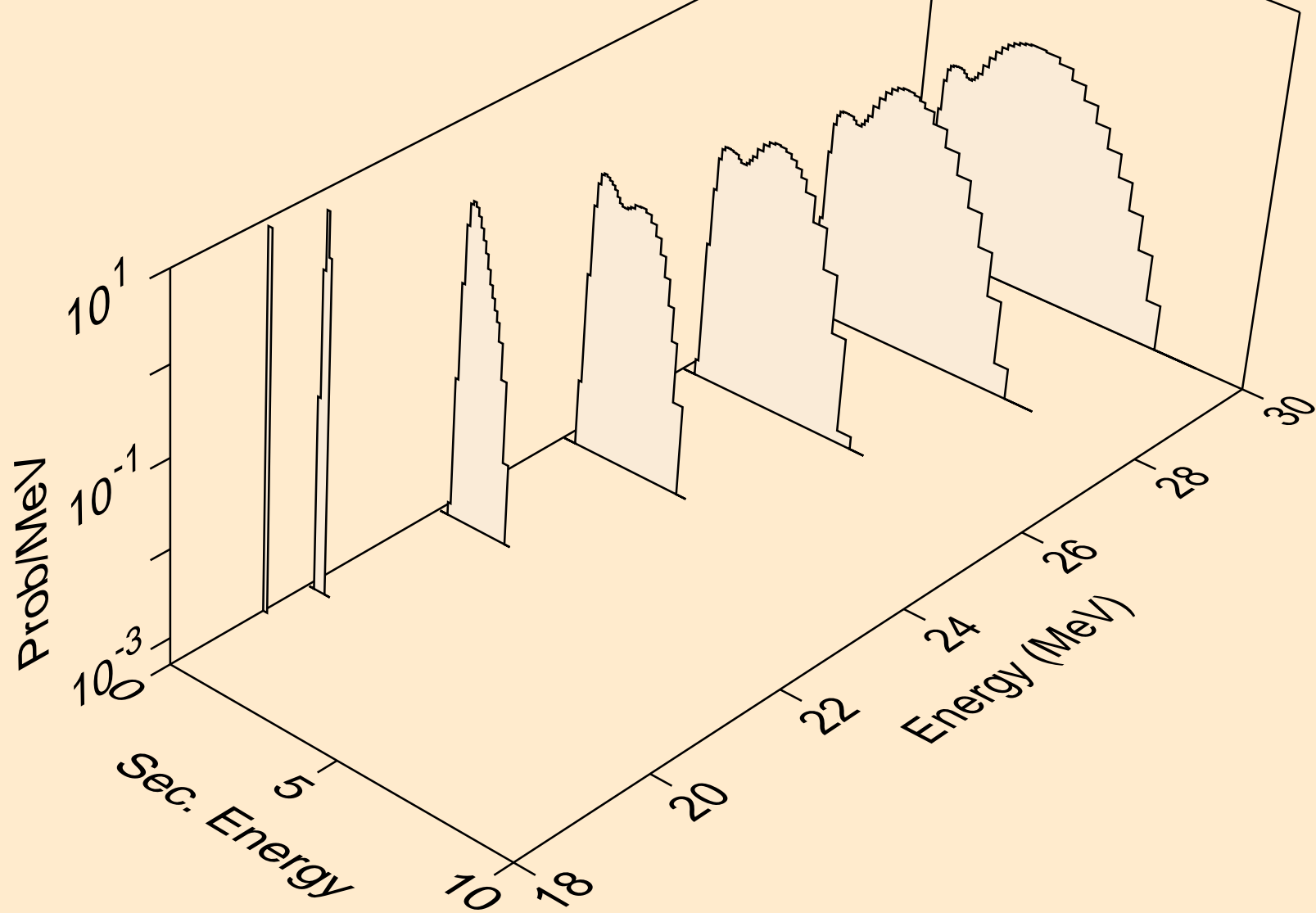
O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a



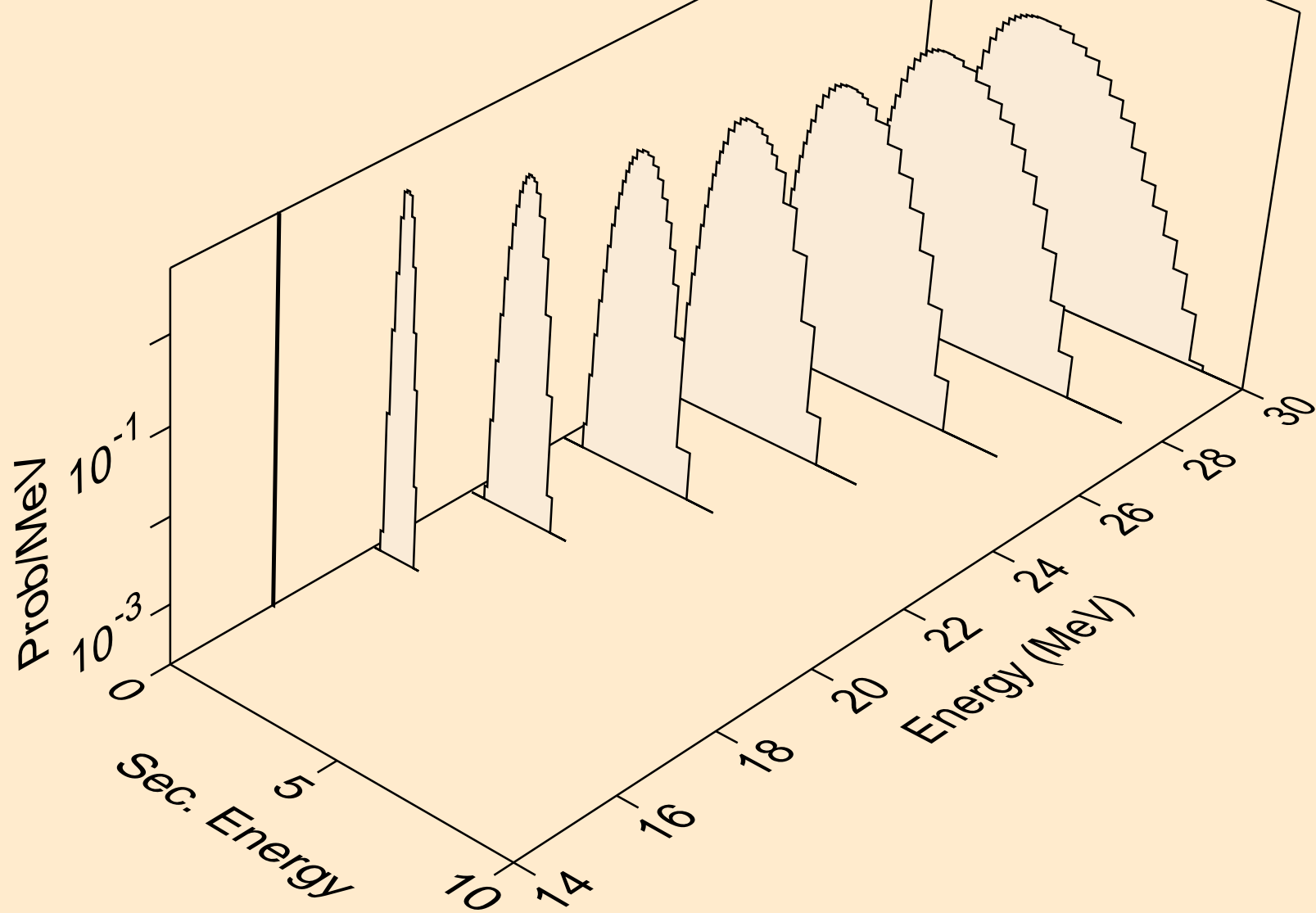
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alphas from (p,2n)a



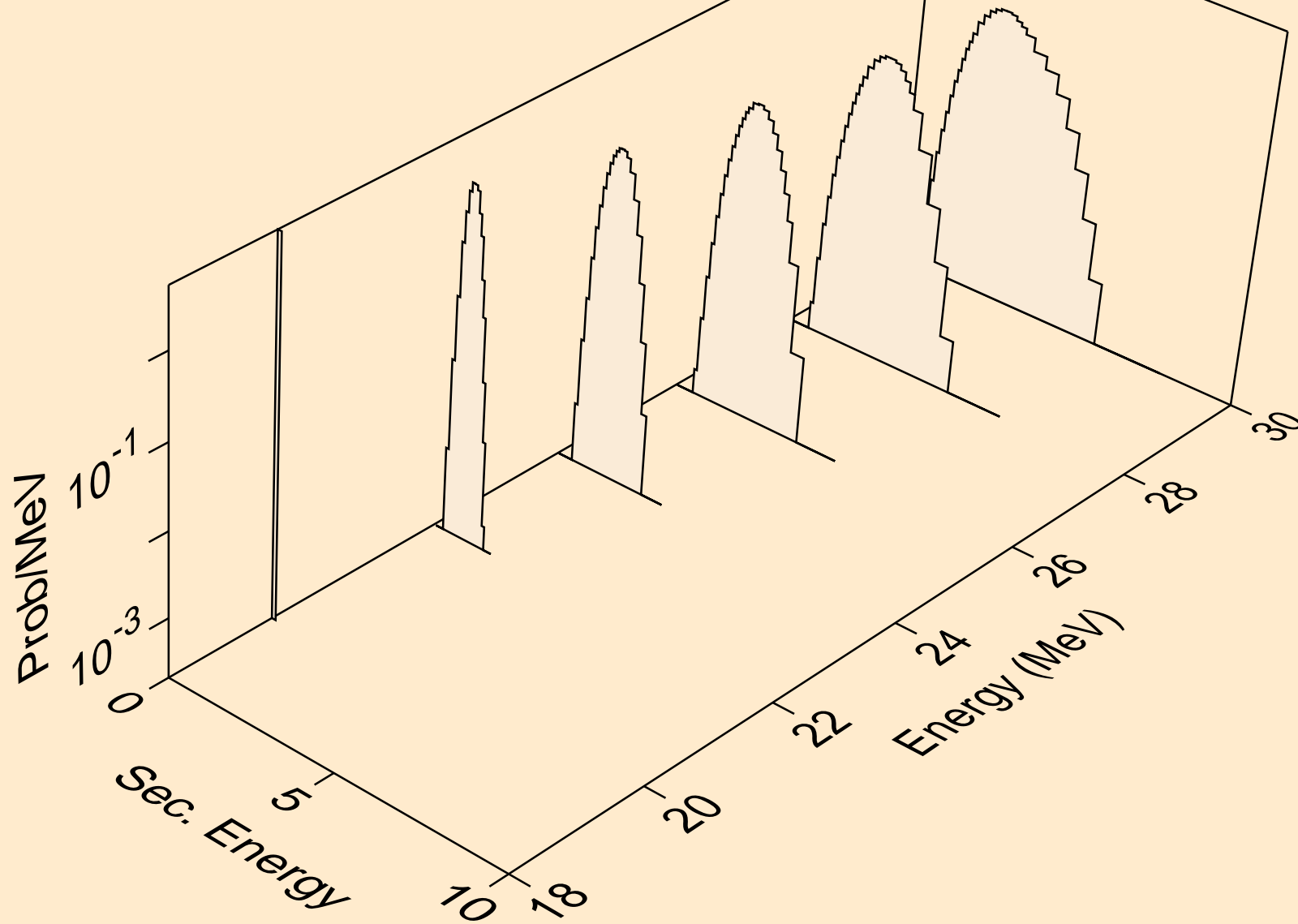
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alphas from (p,3n)a



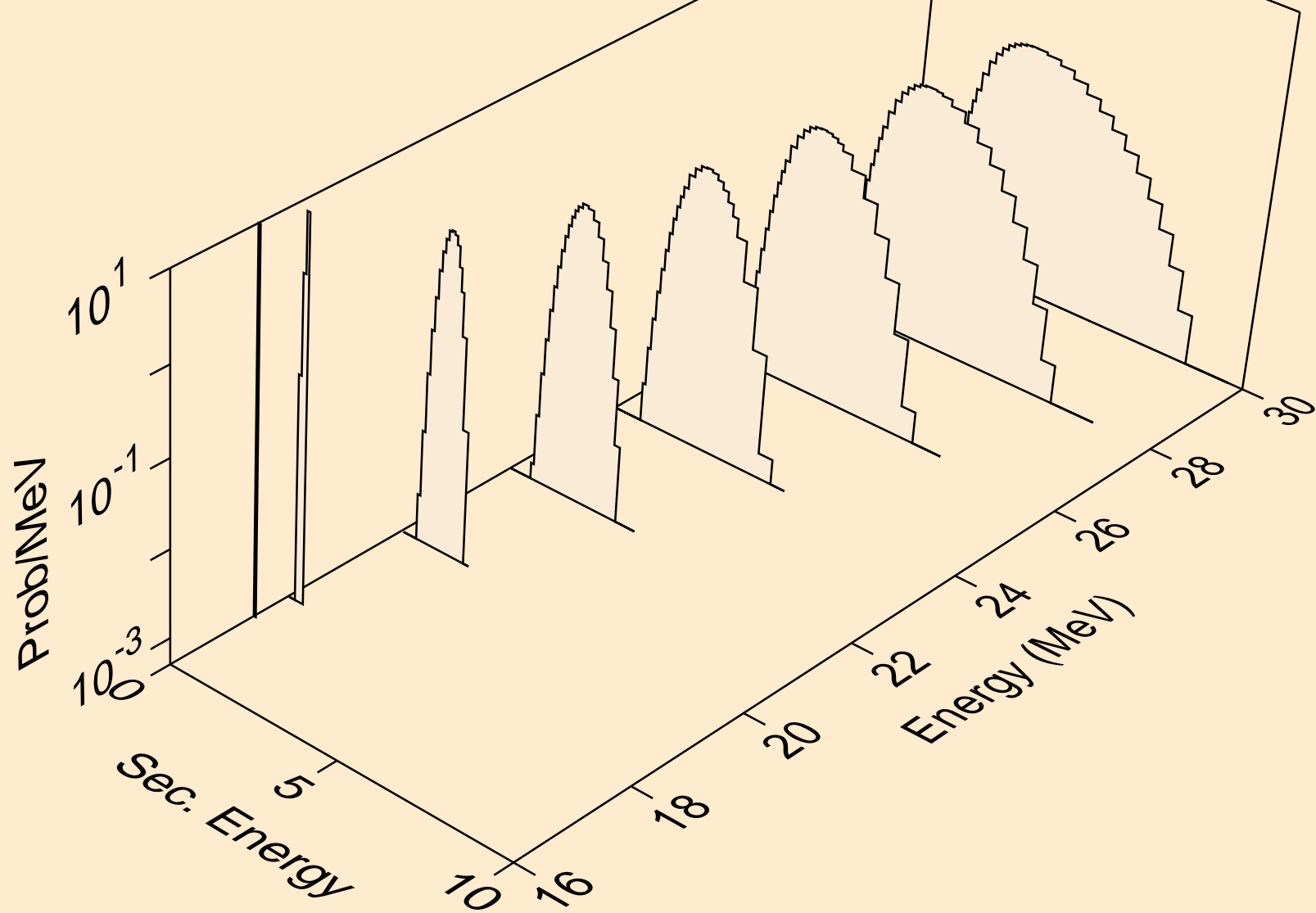
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alphas from (p,n\*)2a



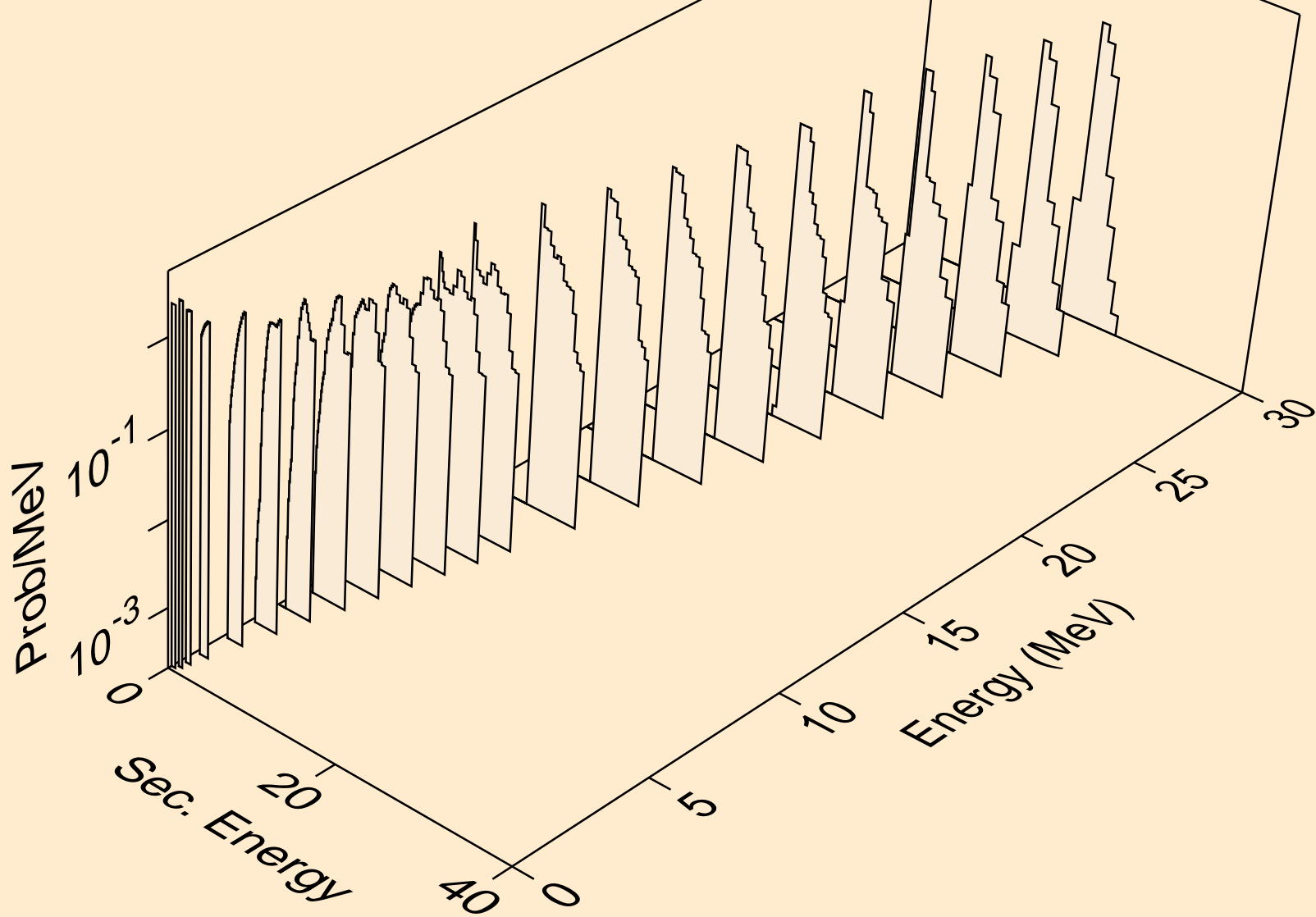
O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)2a



O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,npa)

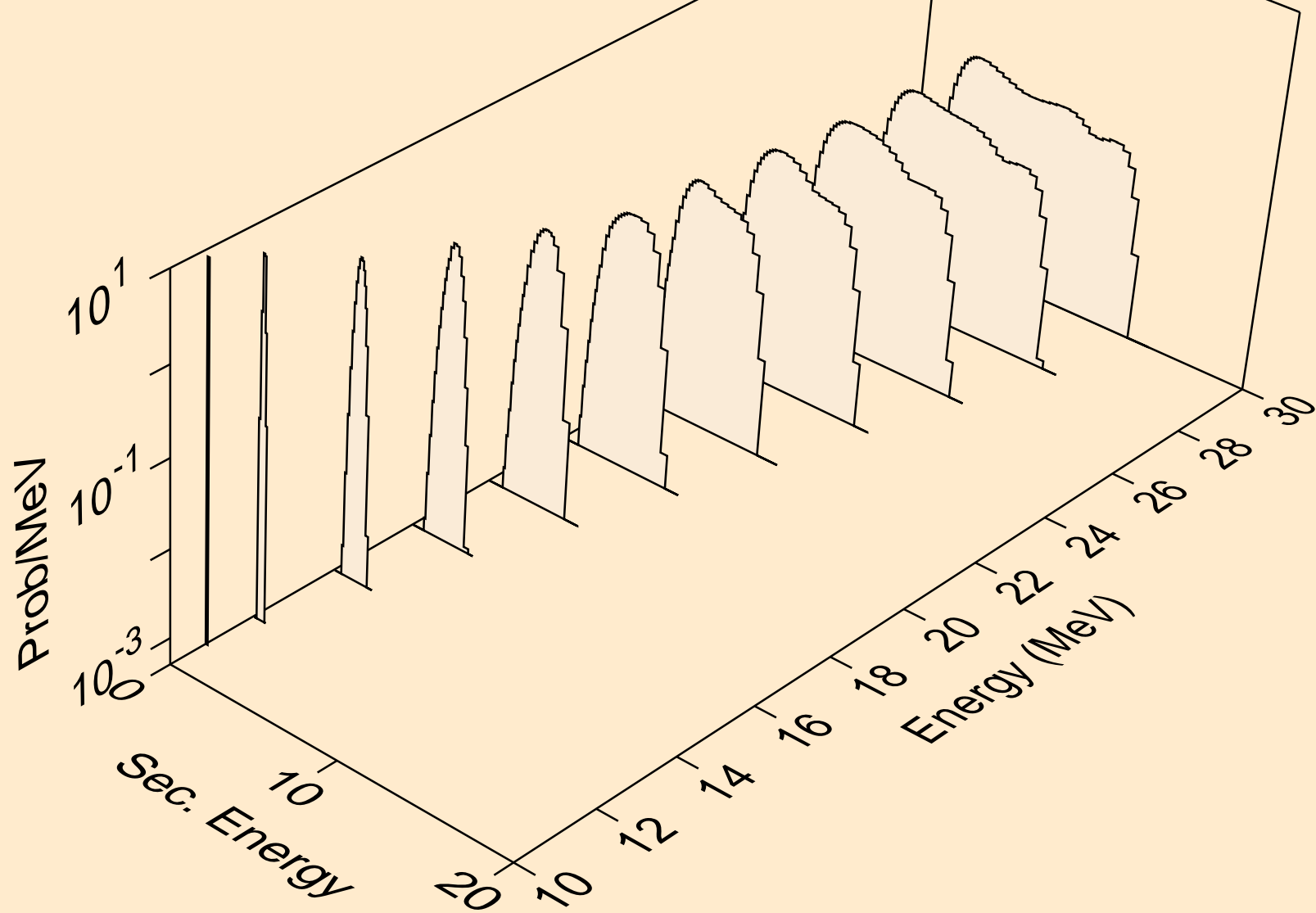


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alphas from (p,a)

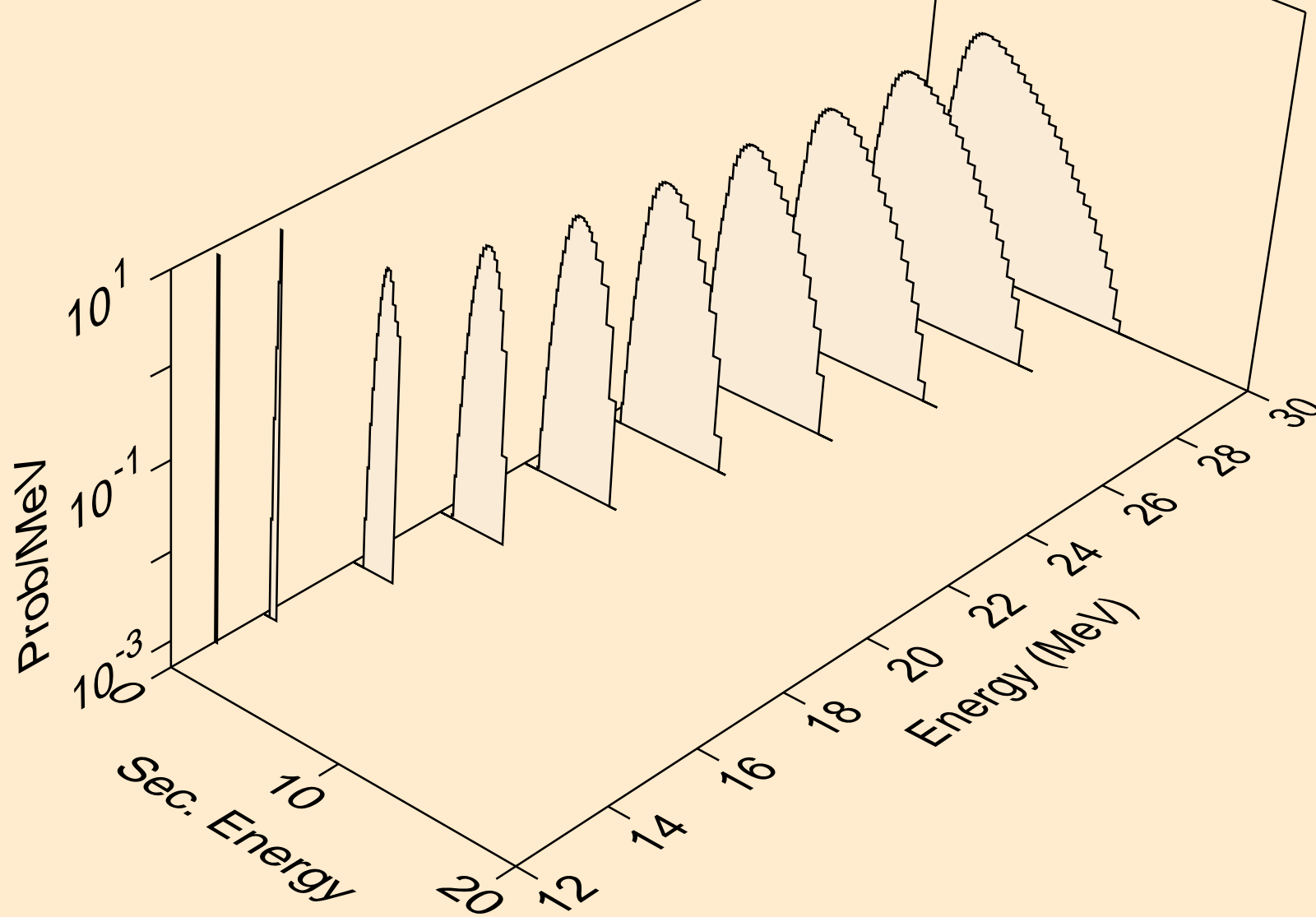




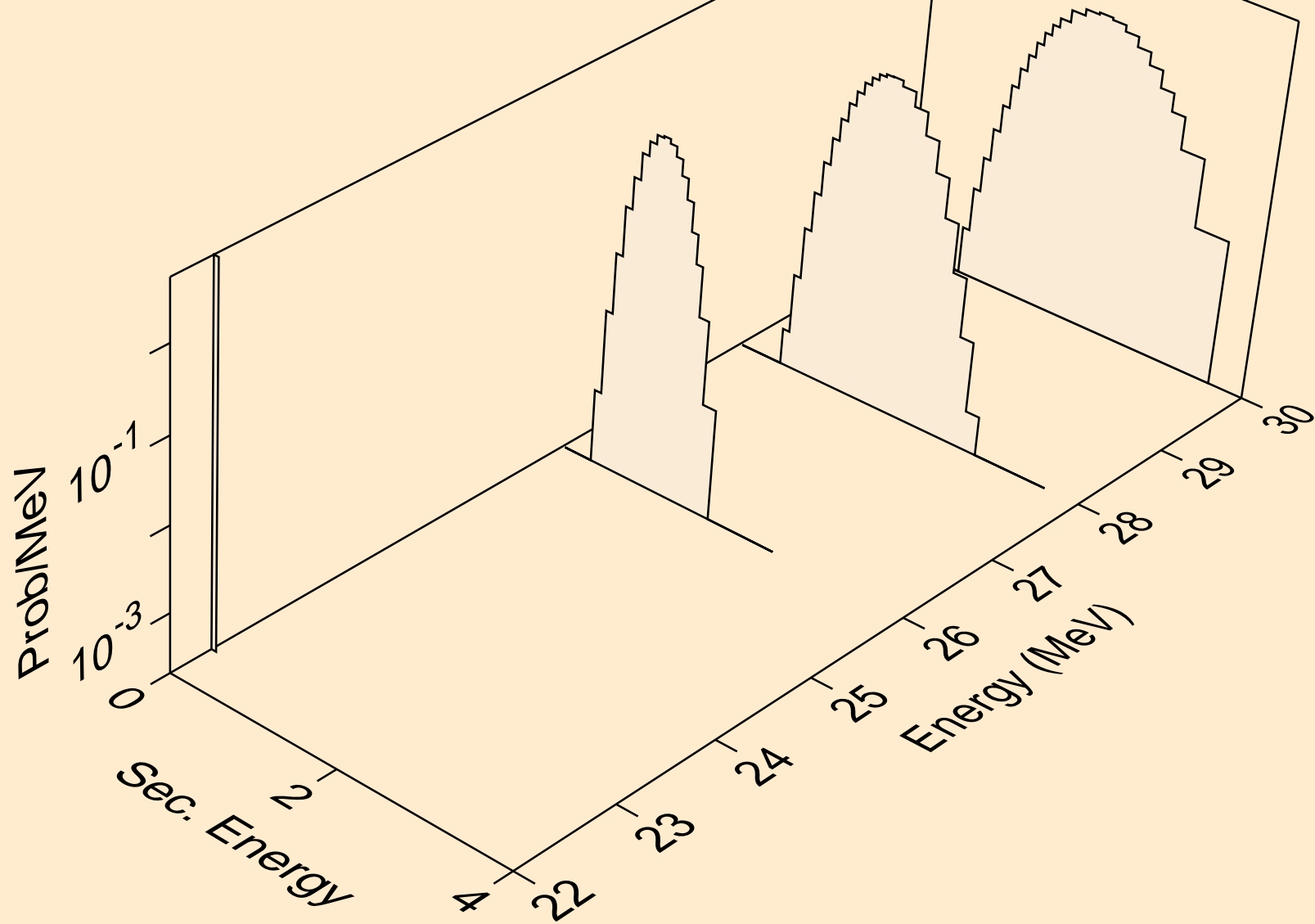
O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2a)



O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)



O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,t2a)



O020 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,da)

