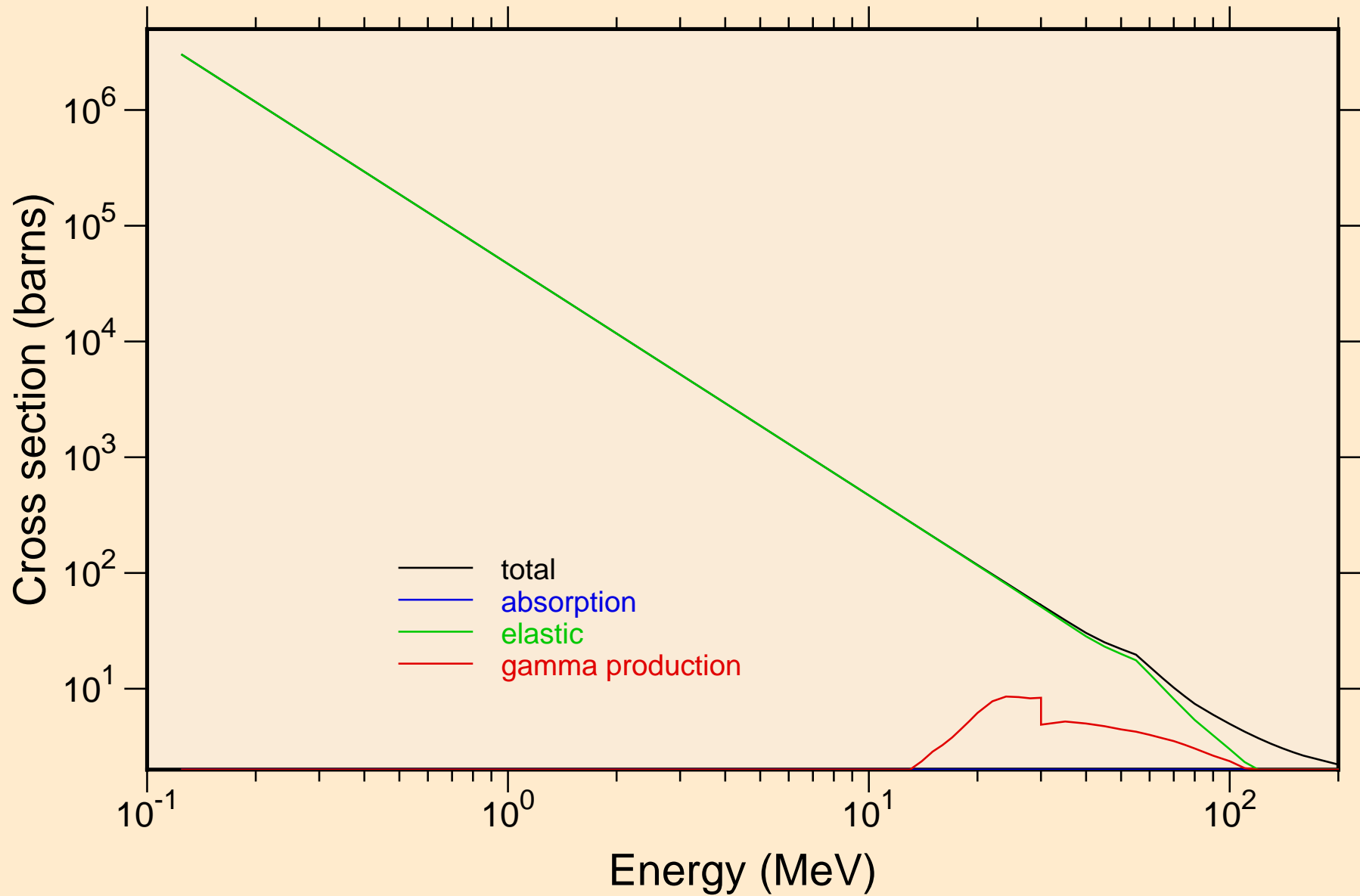
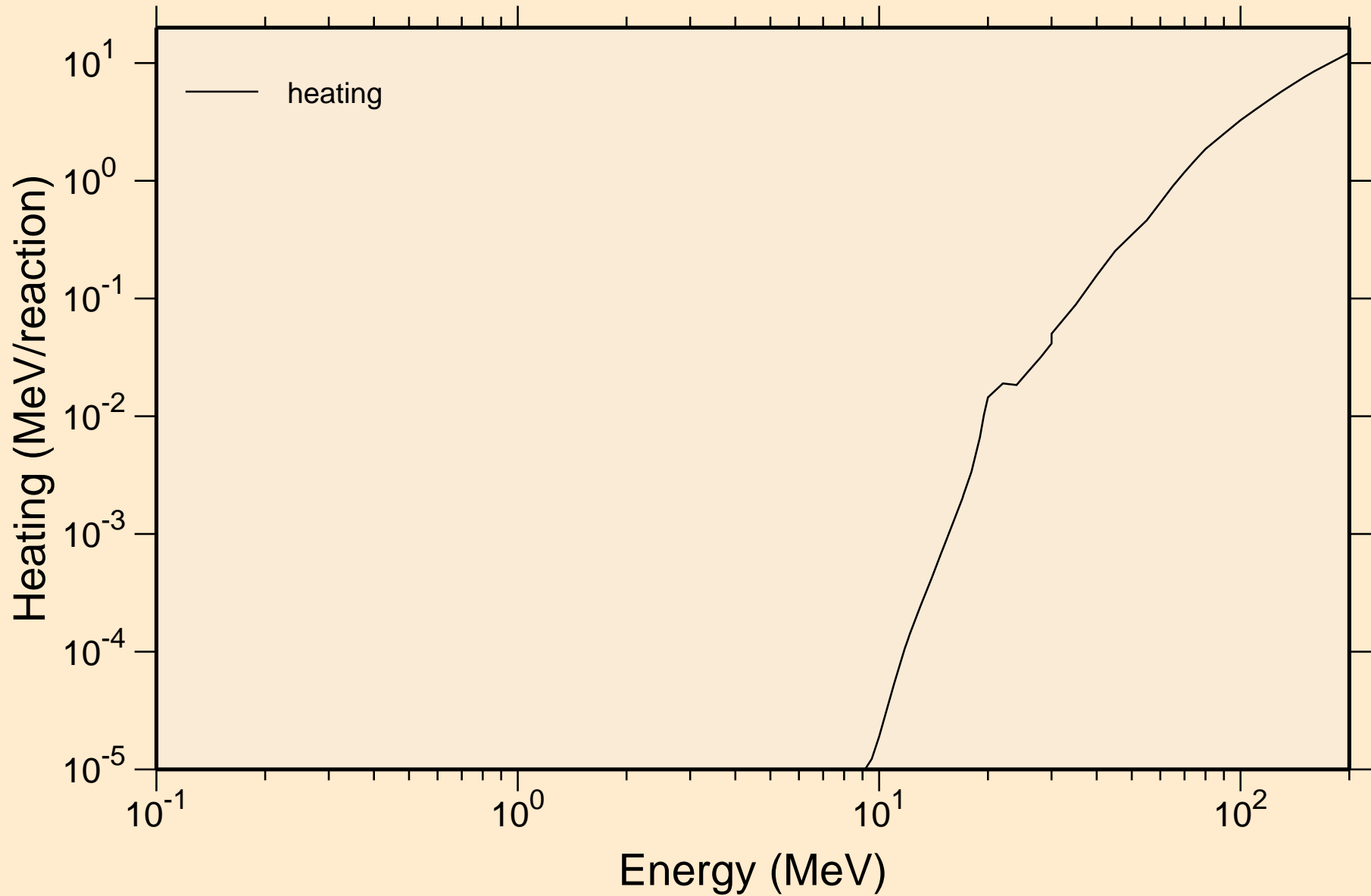


FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Principal cross sections



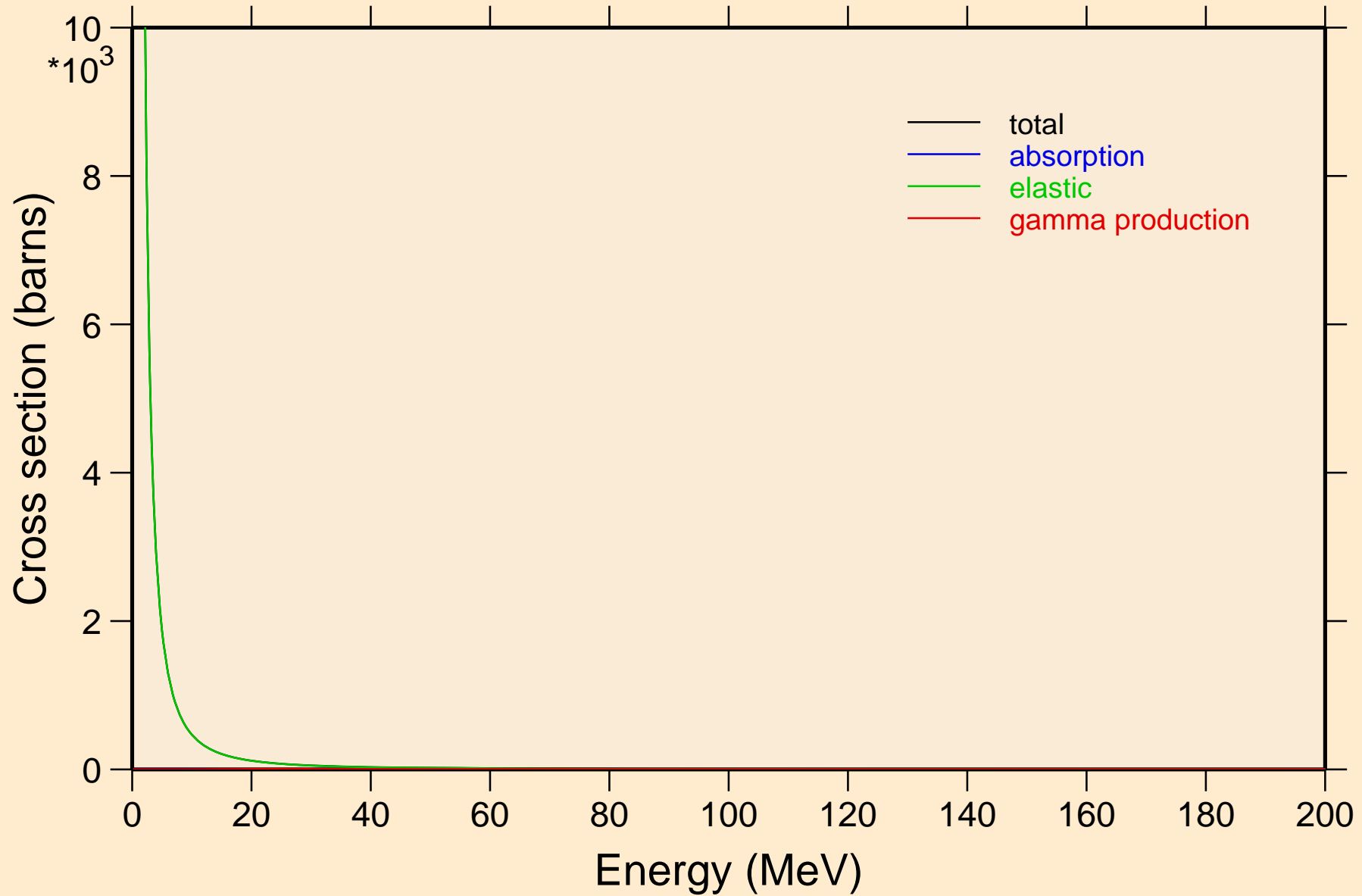
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Heating



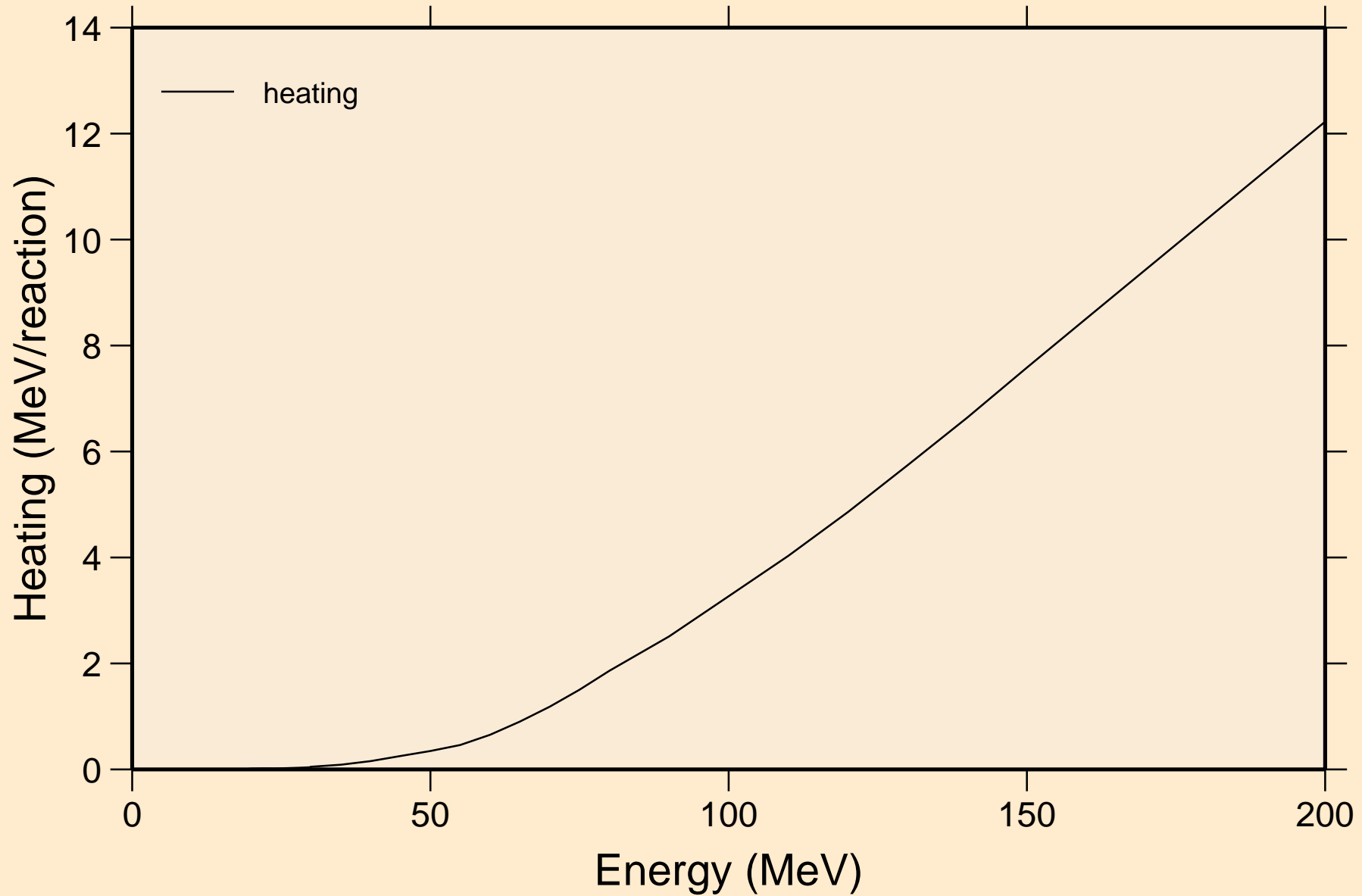
# FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K

## Principal cross sections

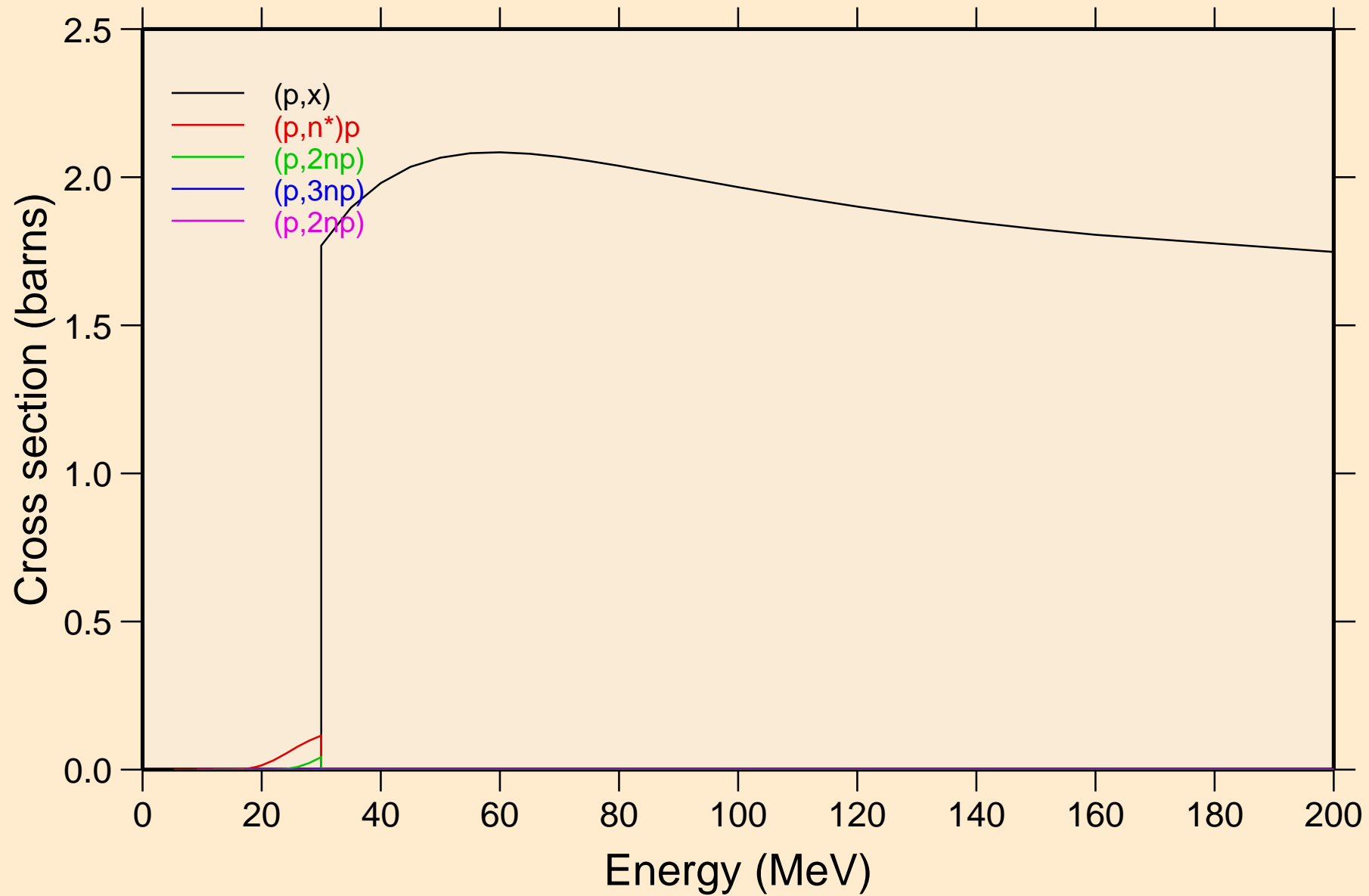


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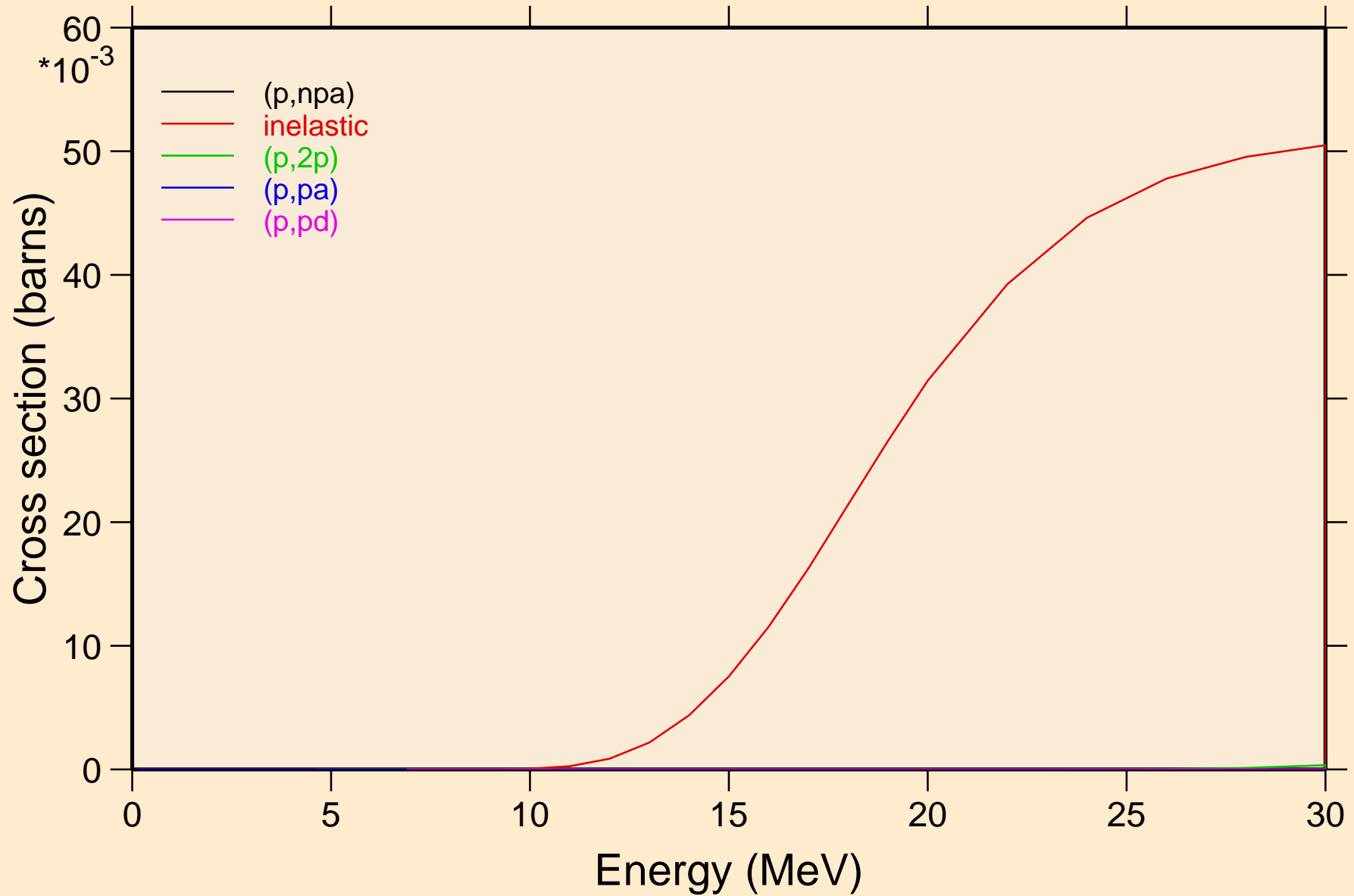
Heating



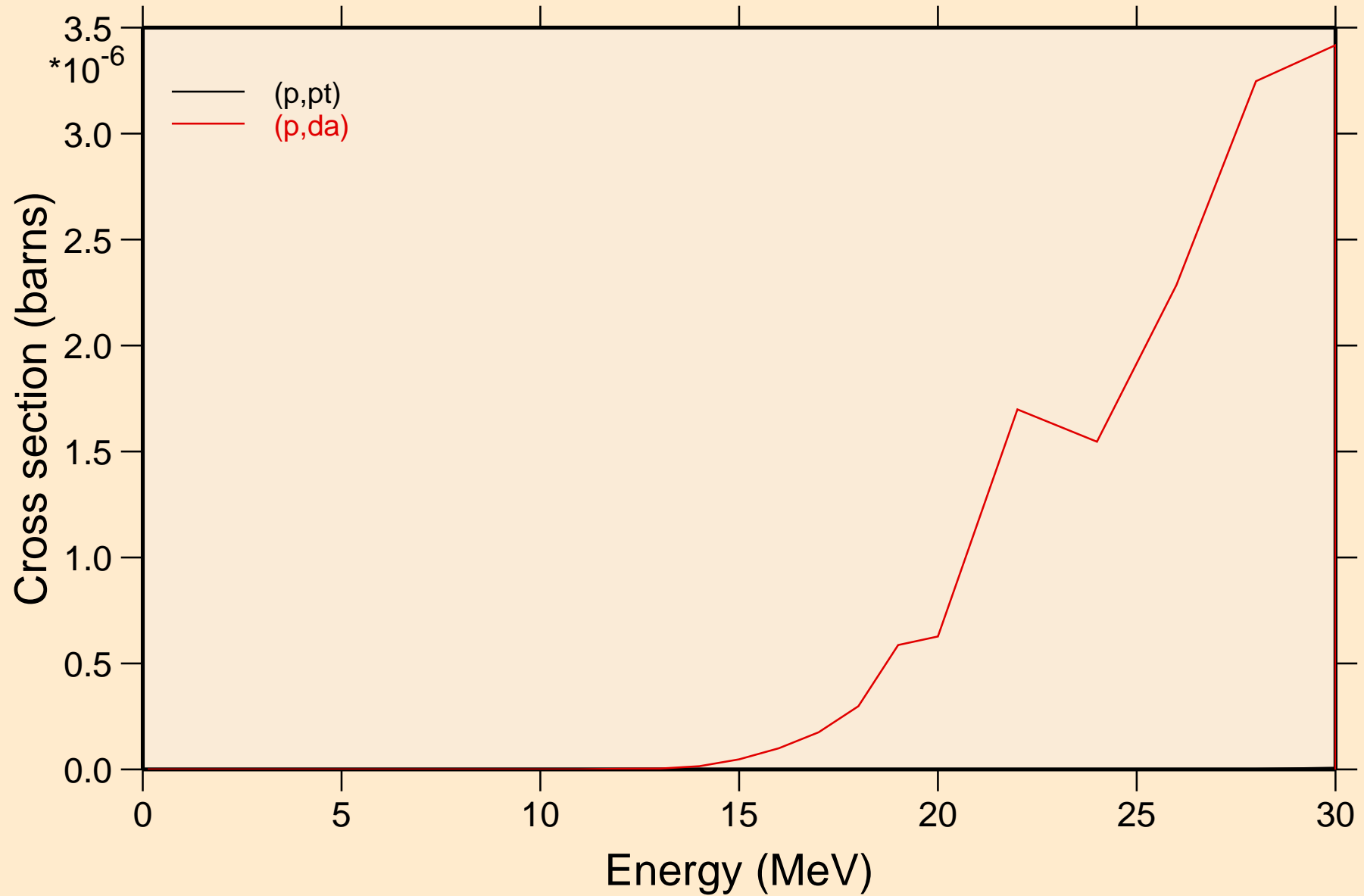
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Threshold reactions



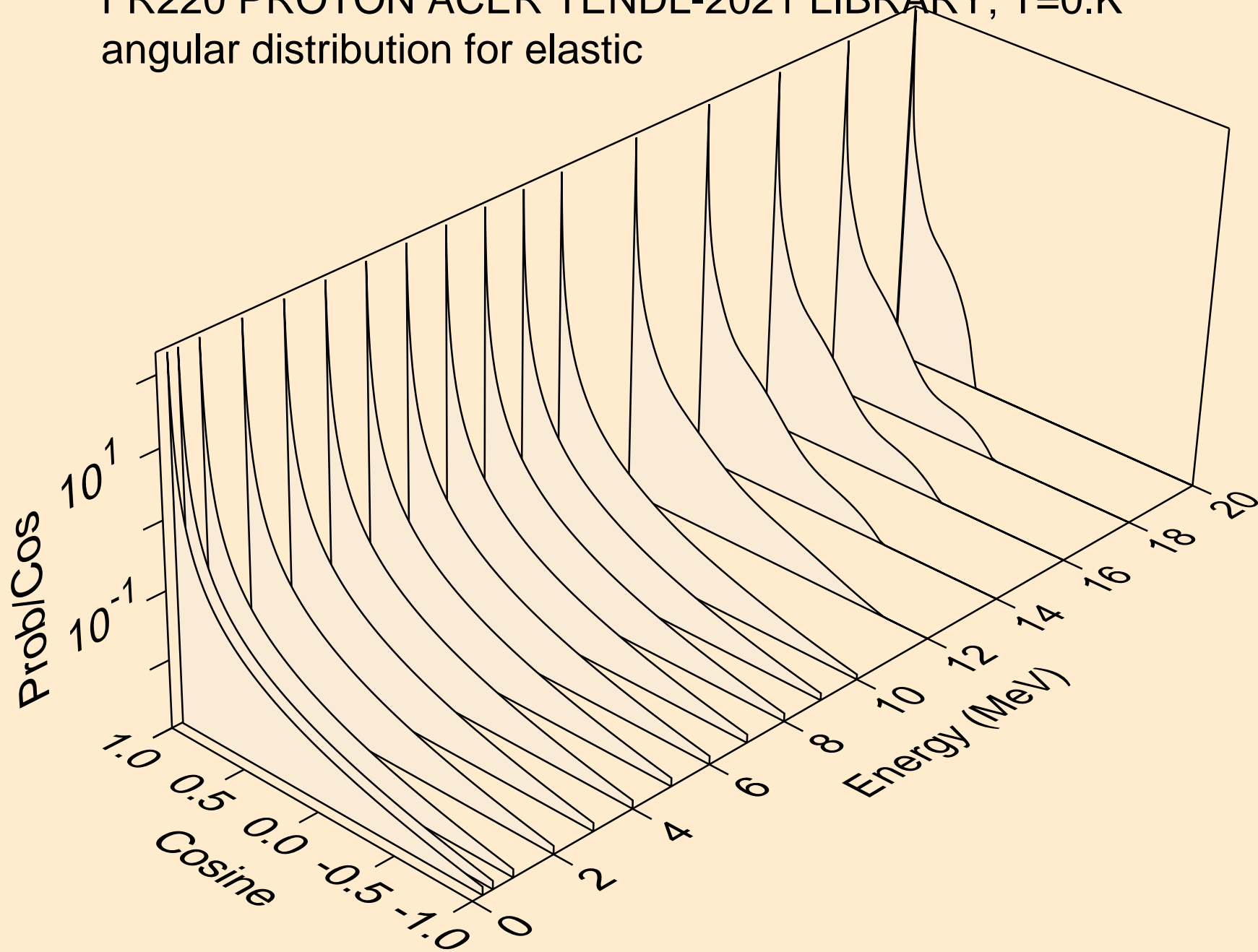
FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions



FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Threshold reactions

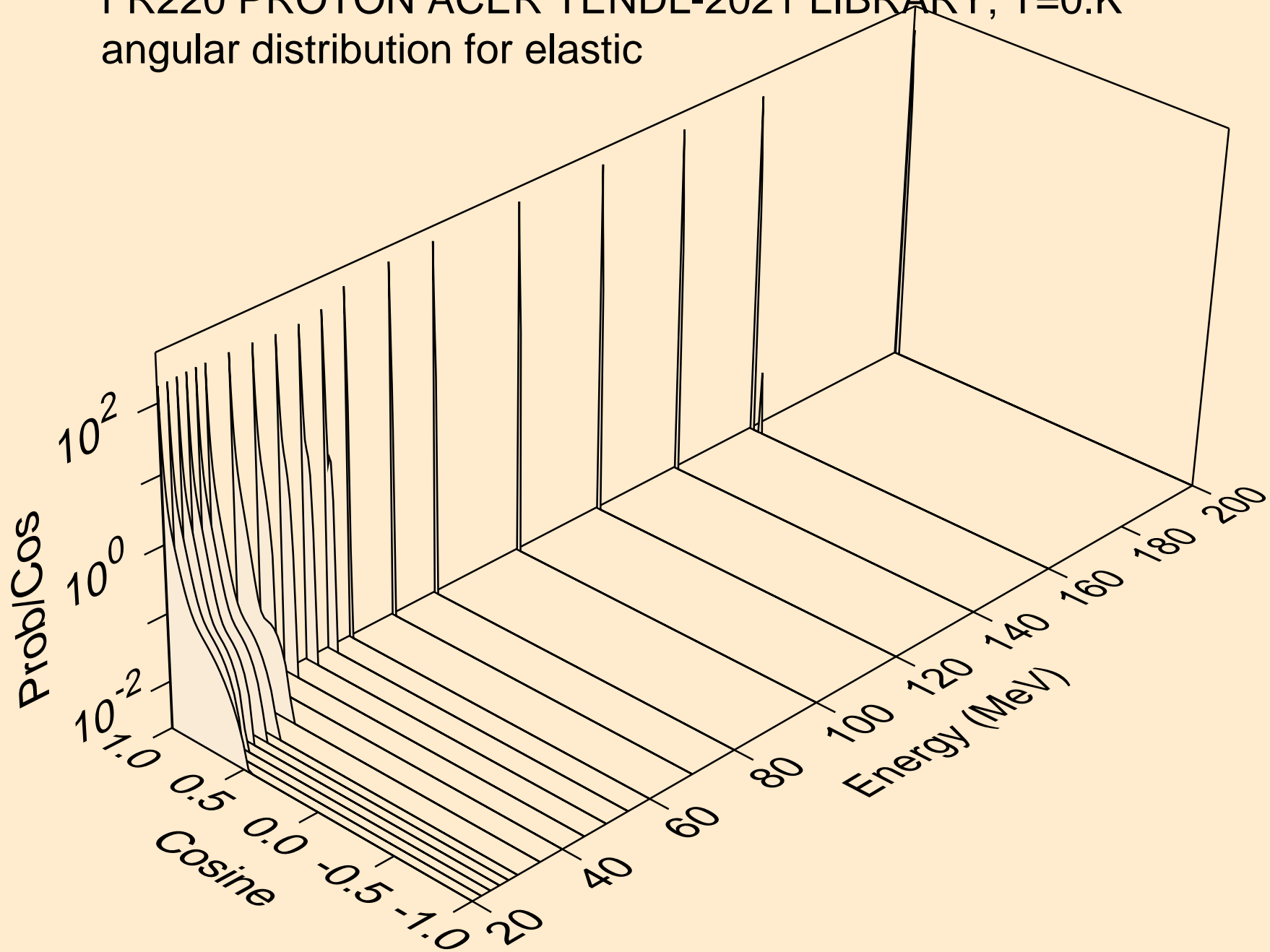


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angular distribution for elastic

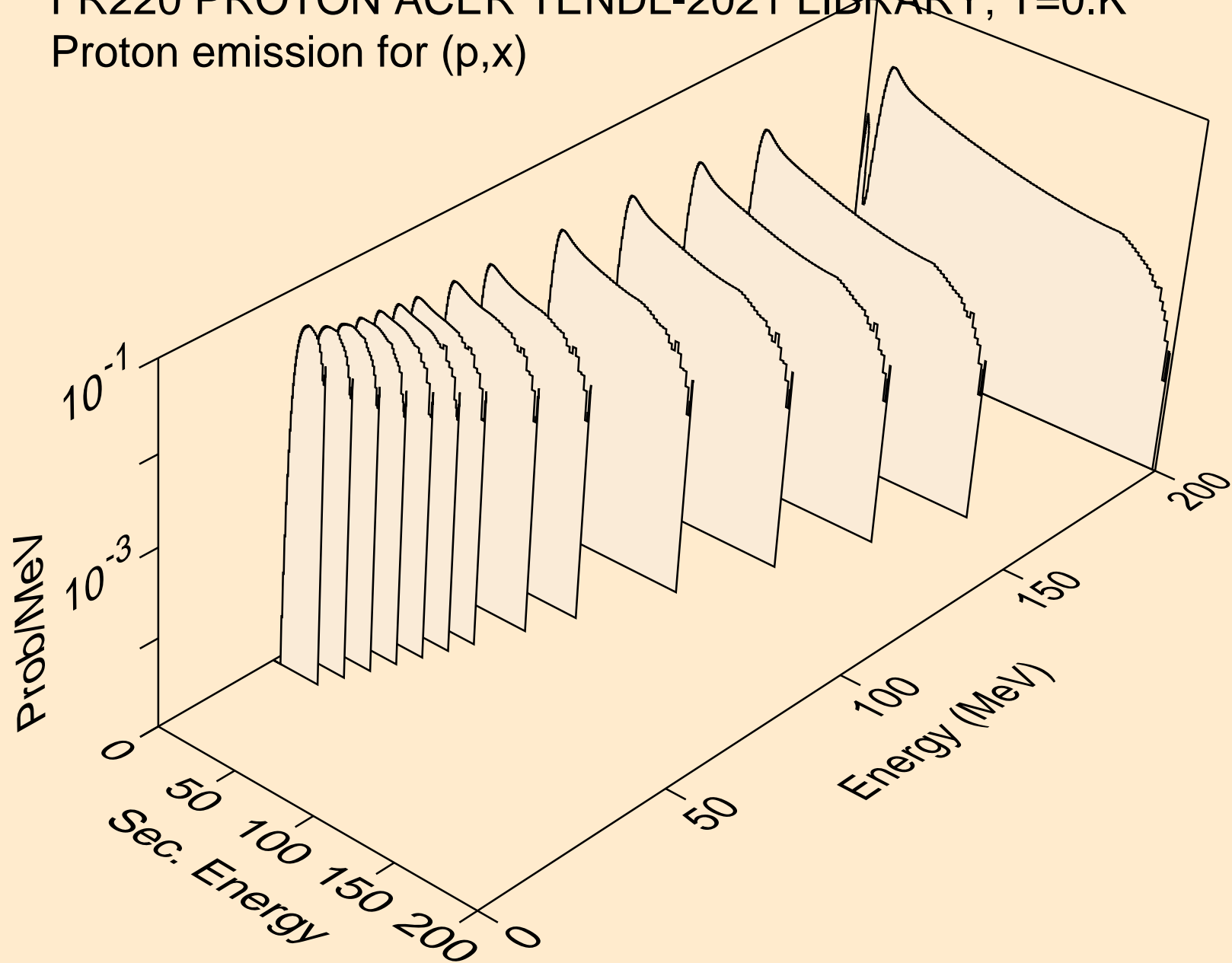




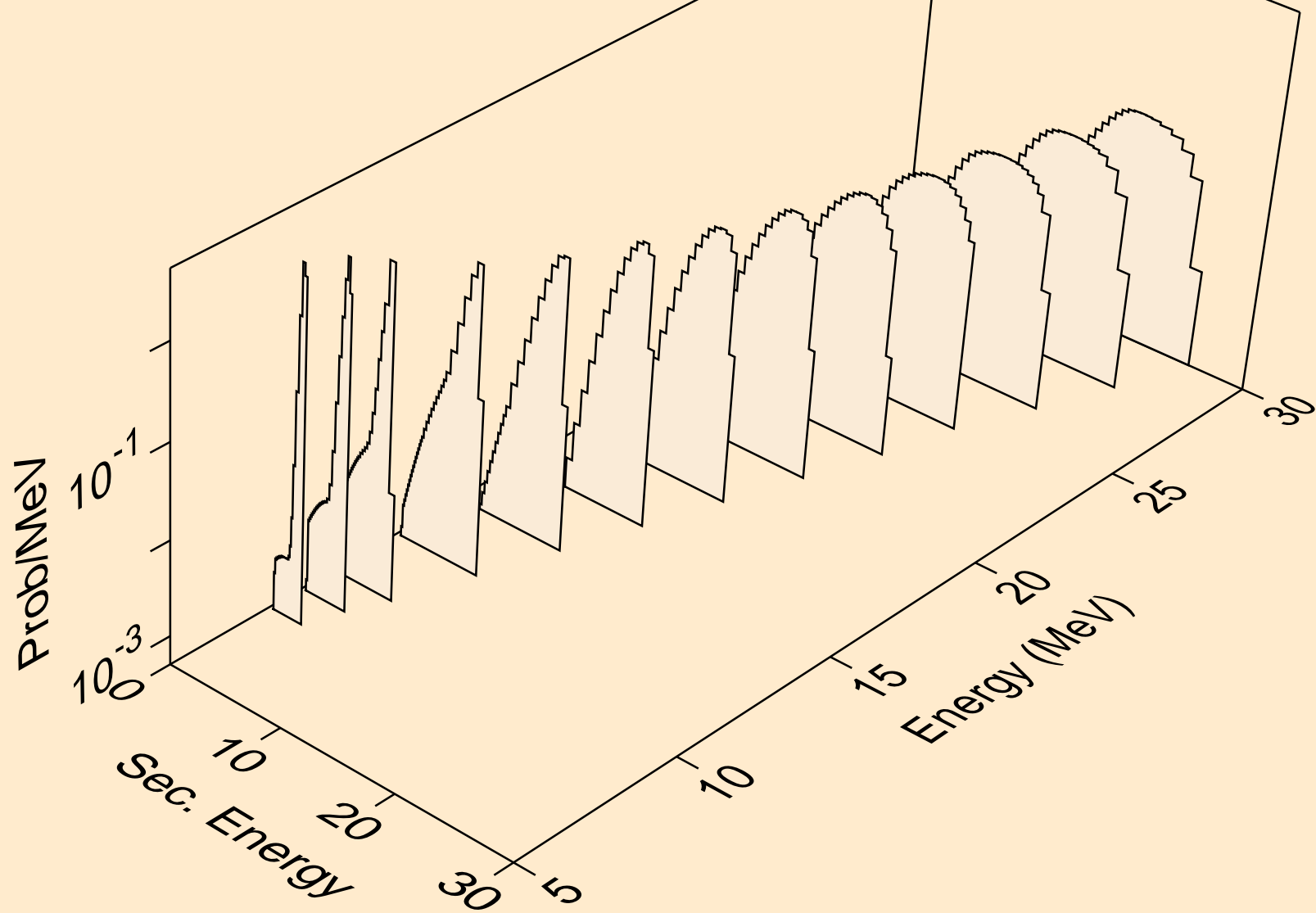
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angular distribution for elastic



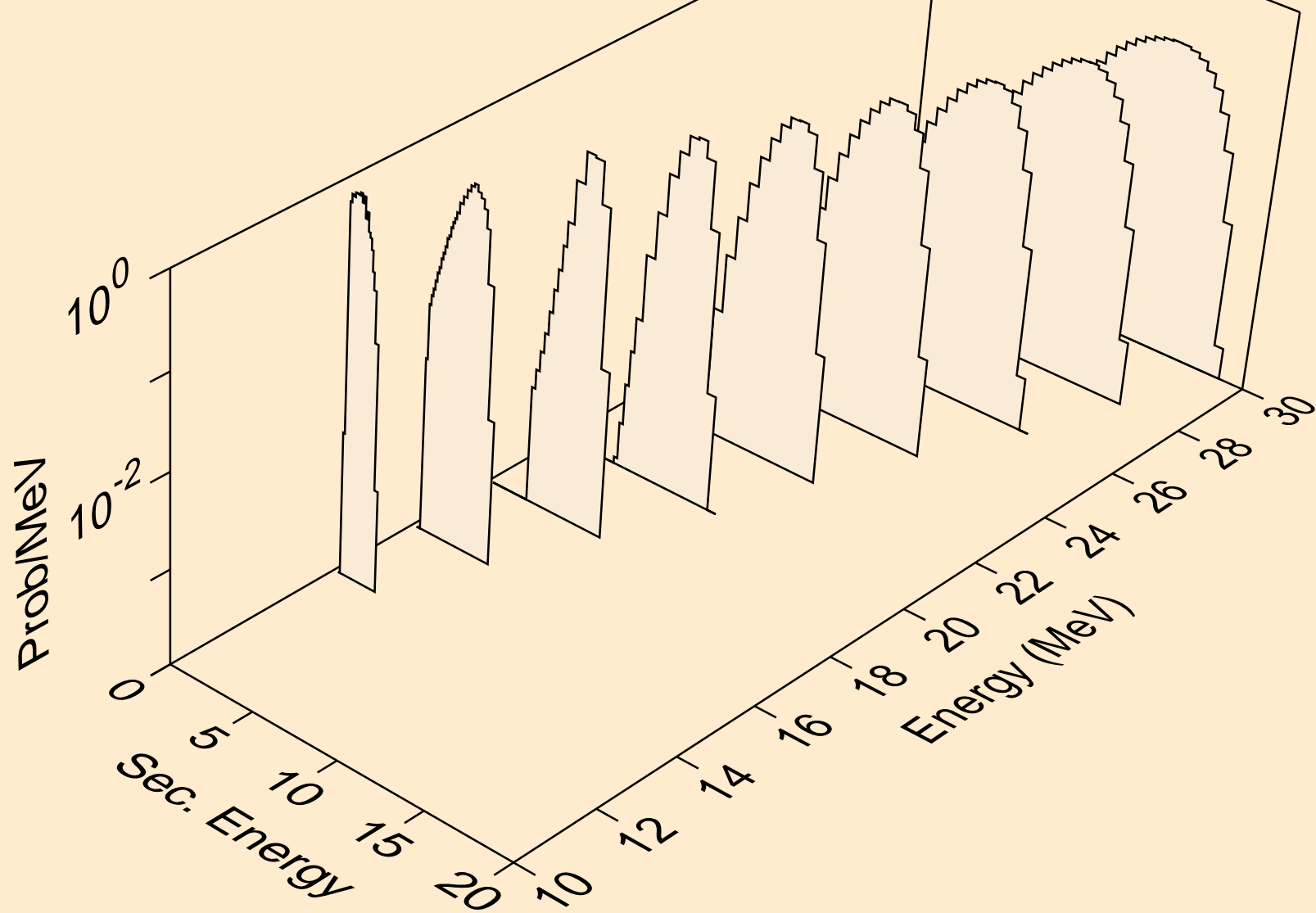
FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,x)



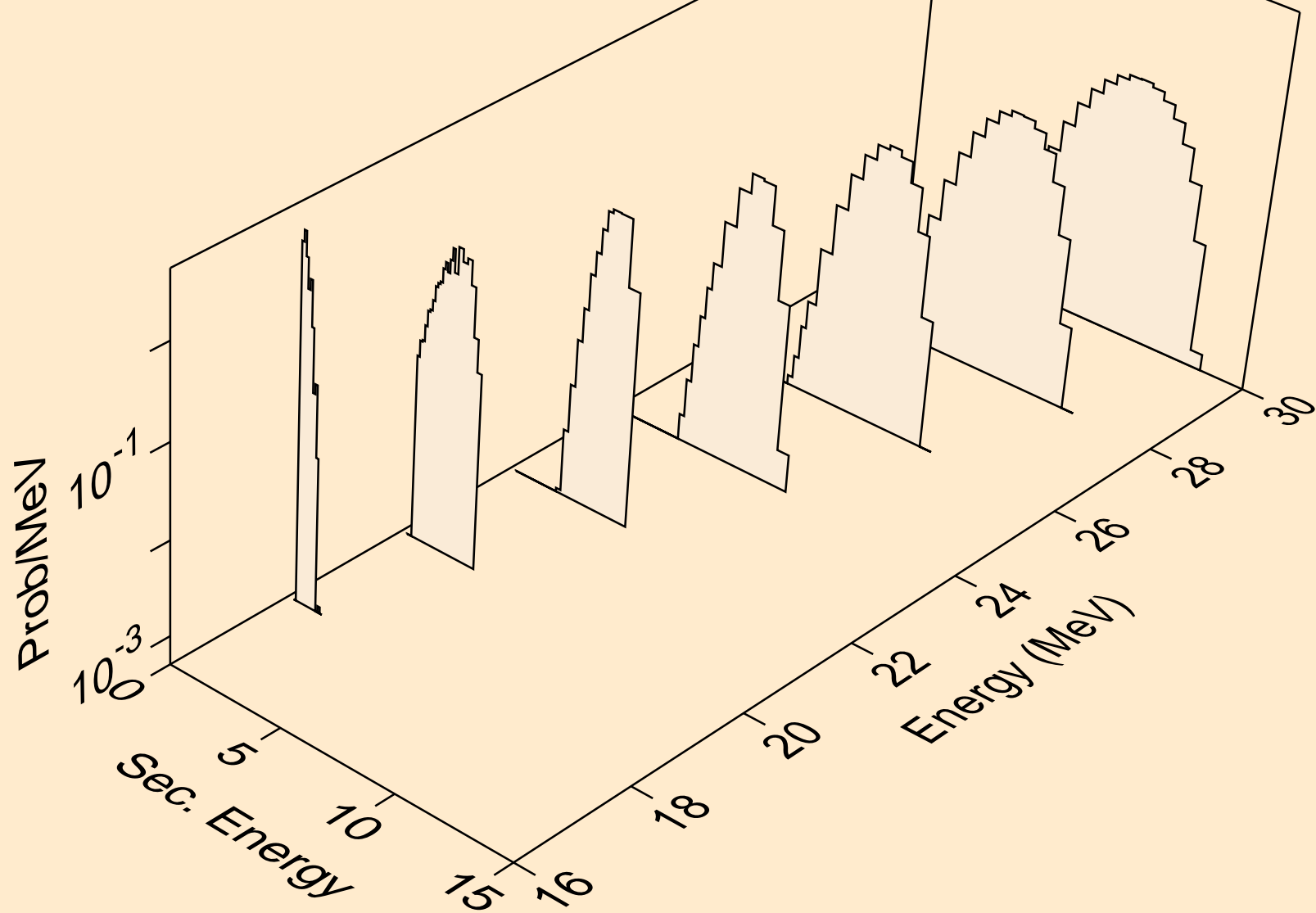
FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



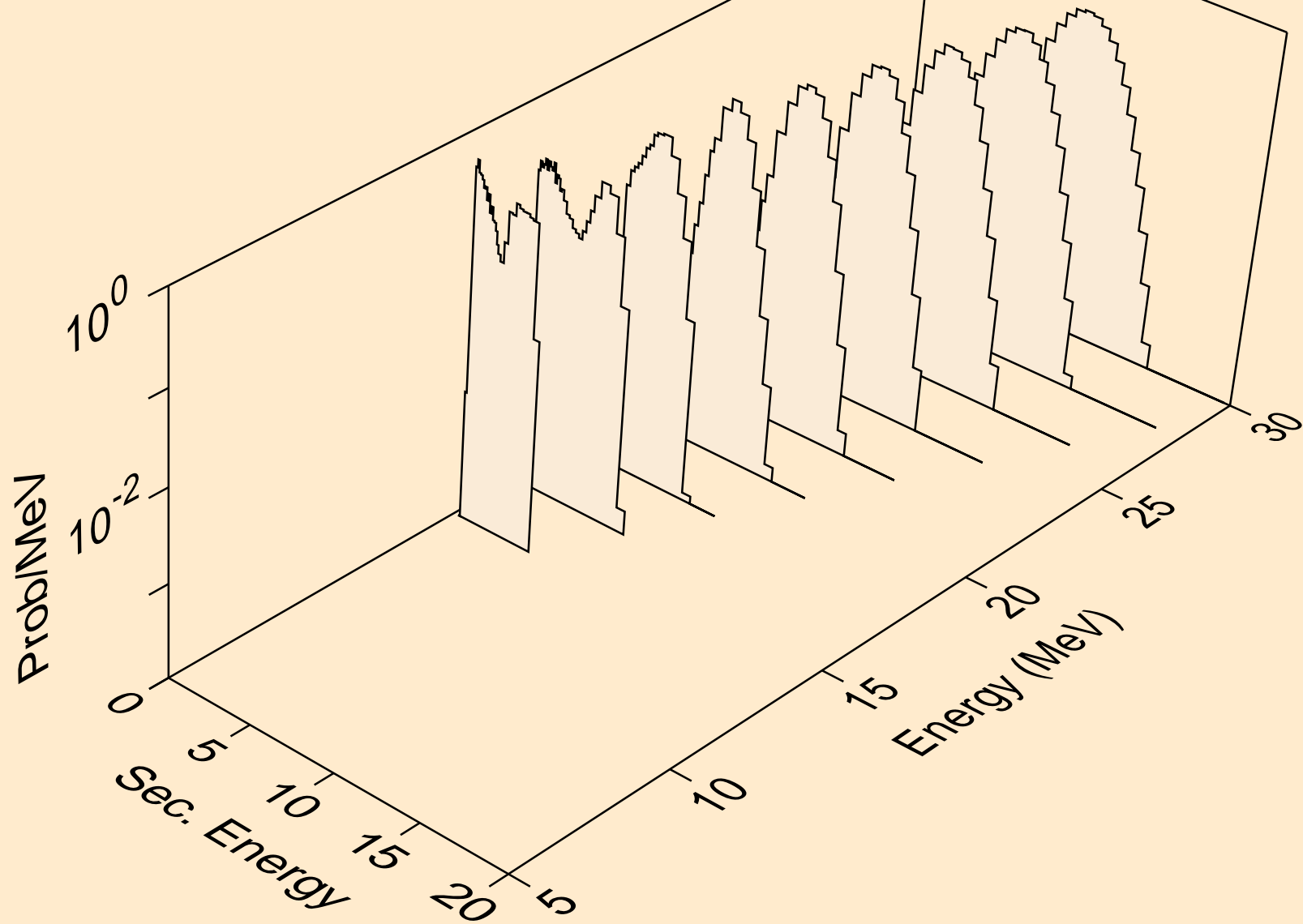
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Proton emission for (p,2np)



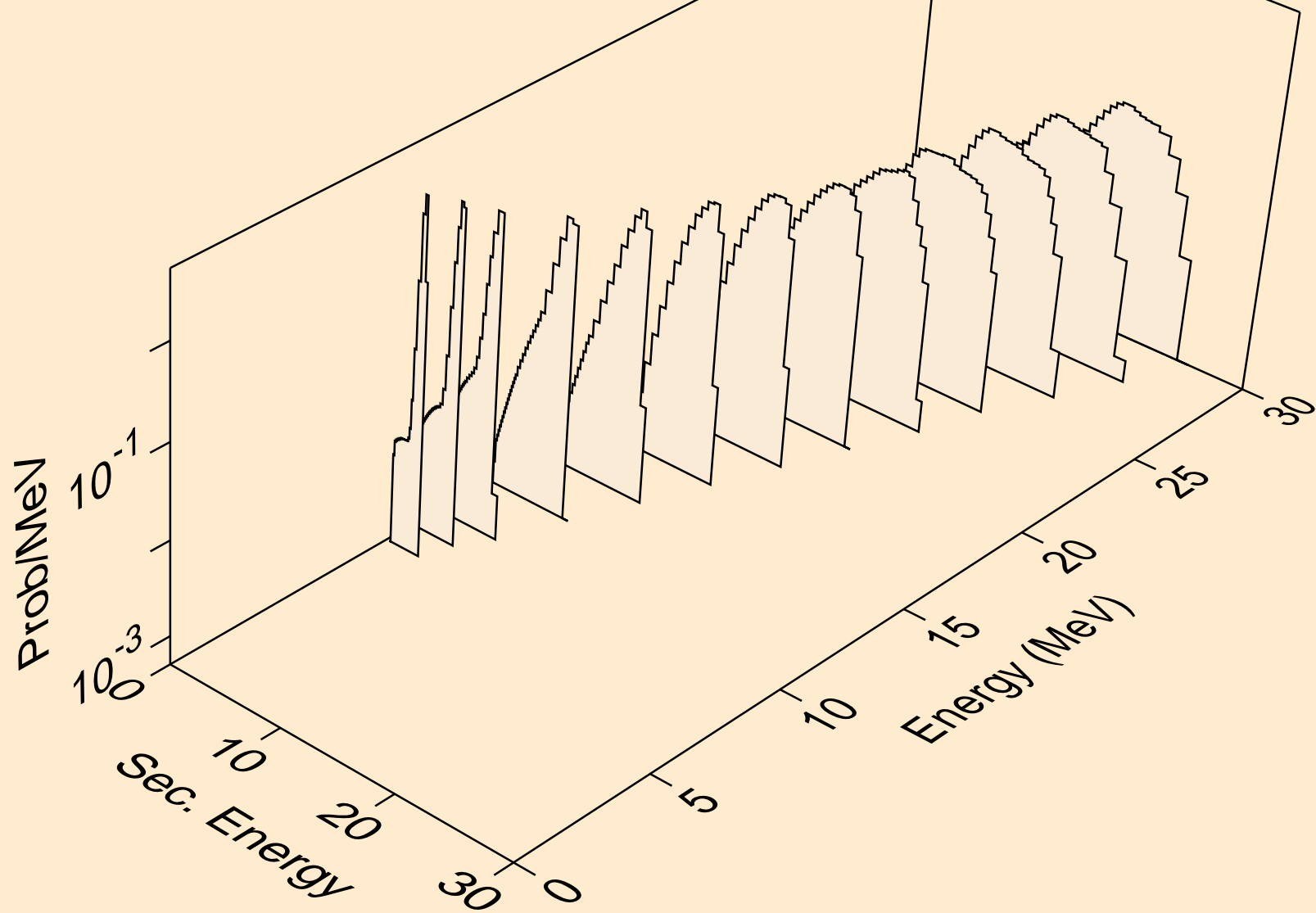
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Proton emission for (p,3np)



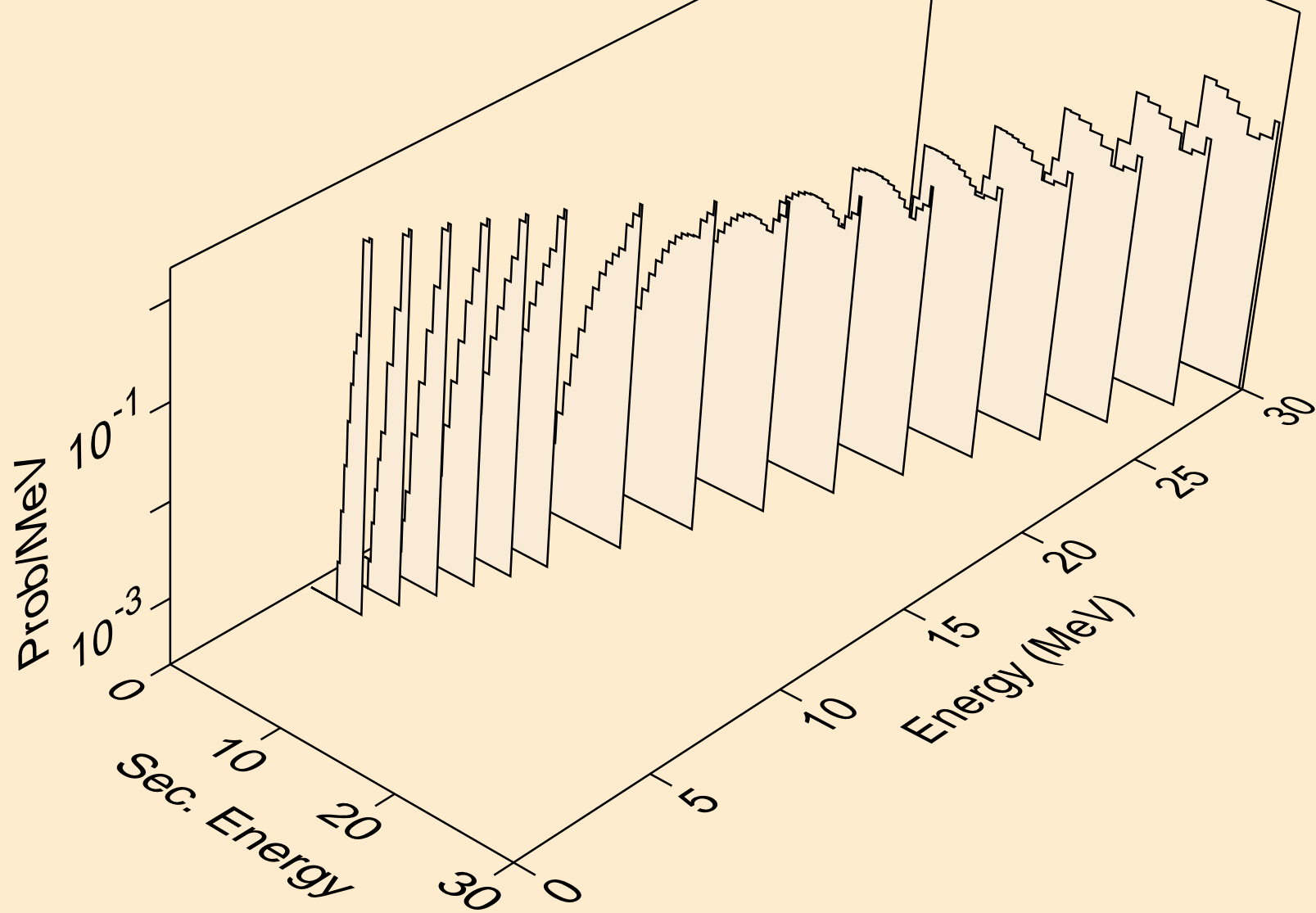
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Proton emission for (p,2np)



FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for (p,npa)

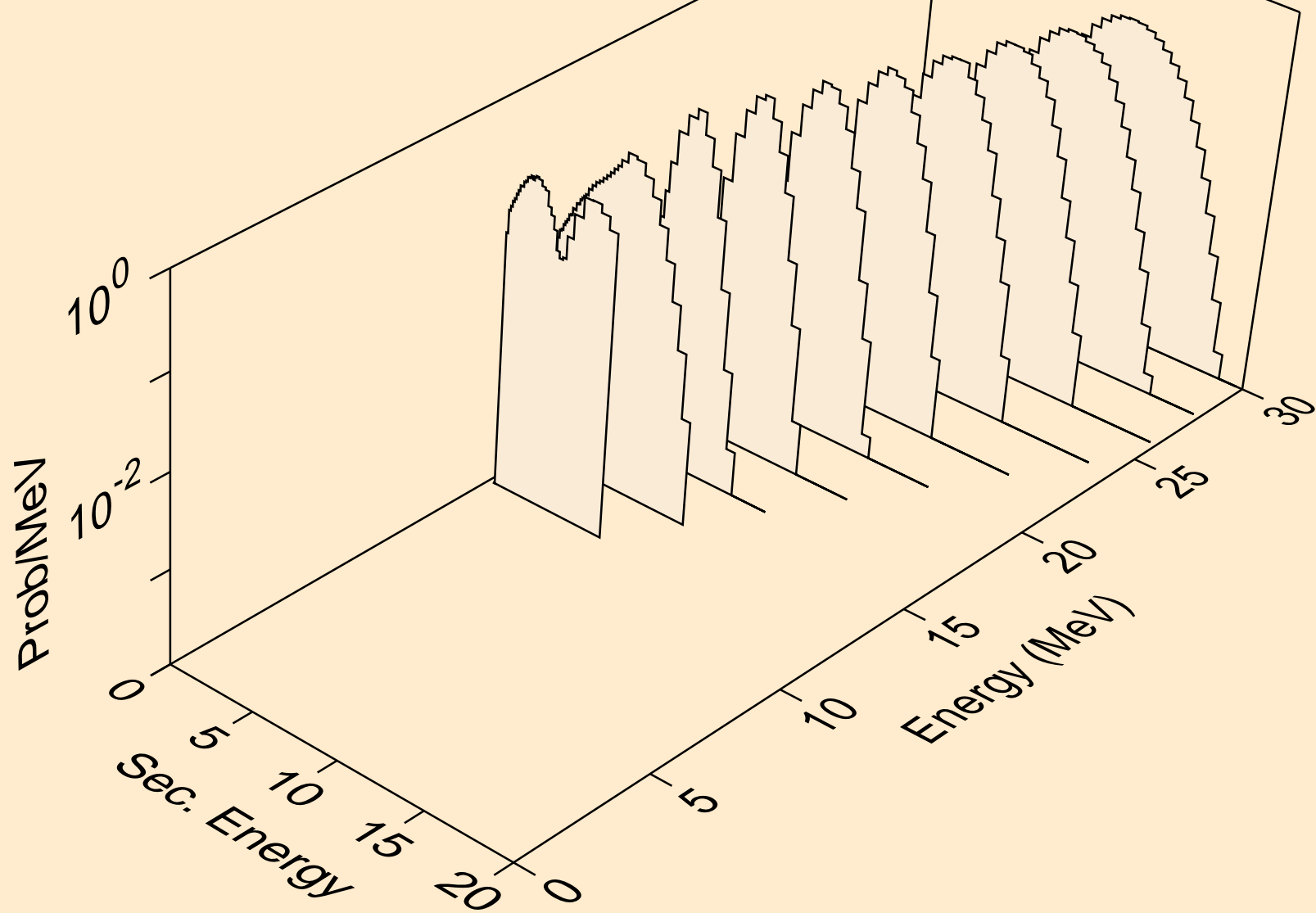


FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Proton emission for inelastic

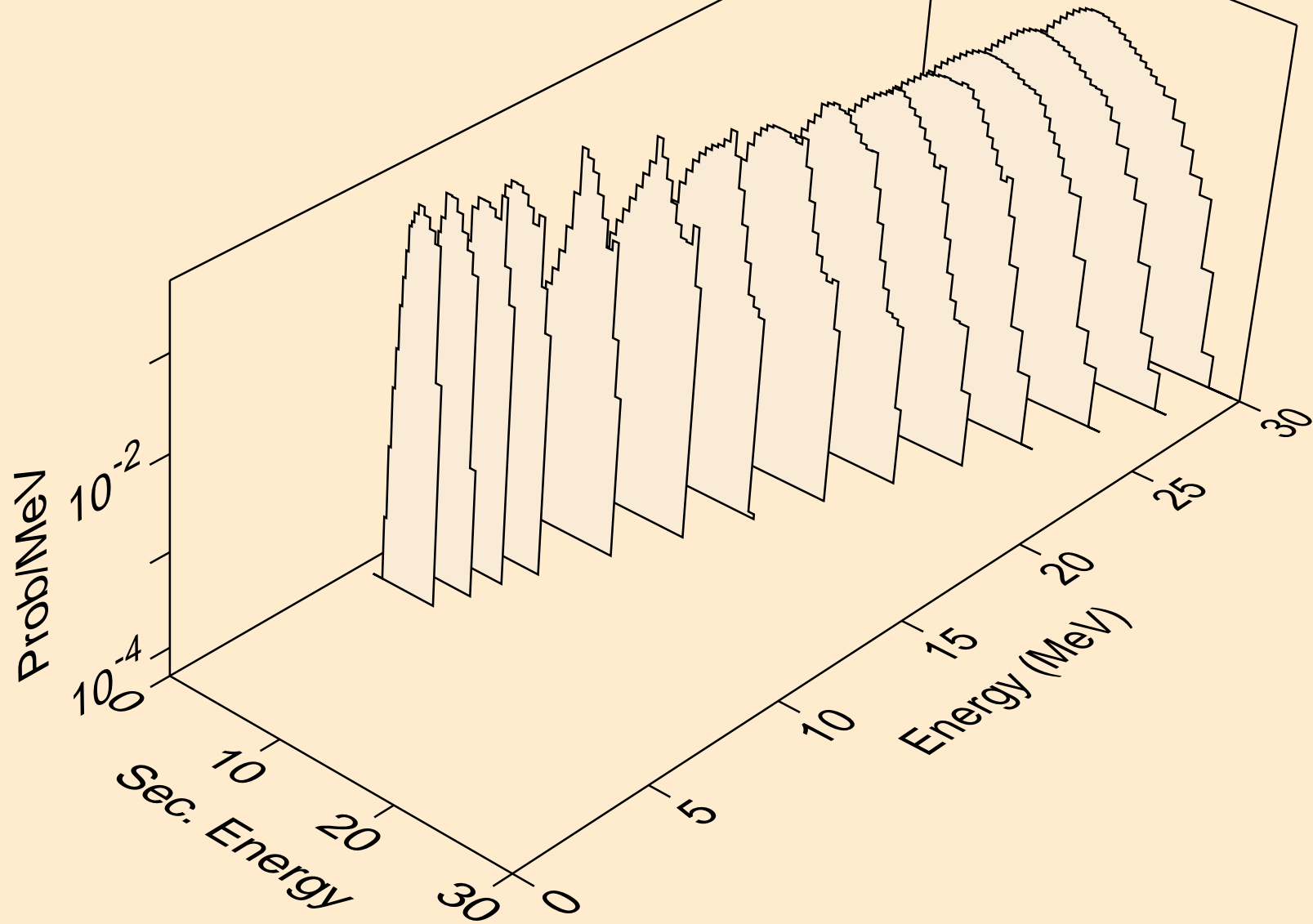




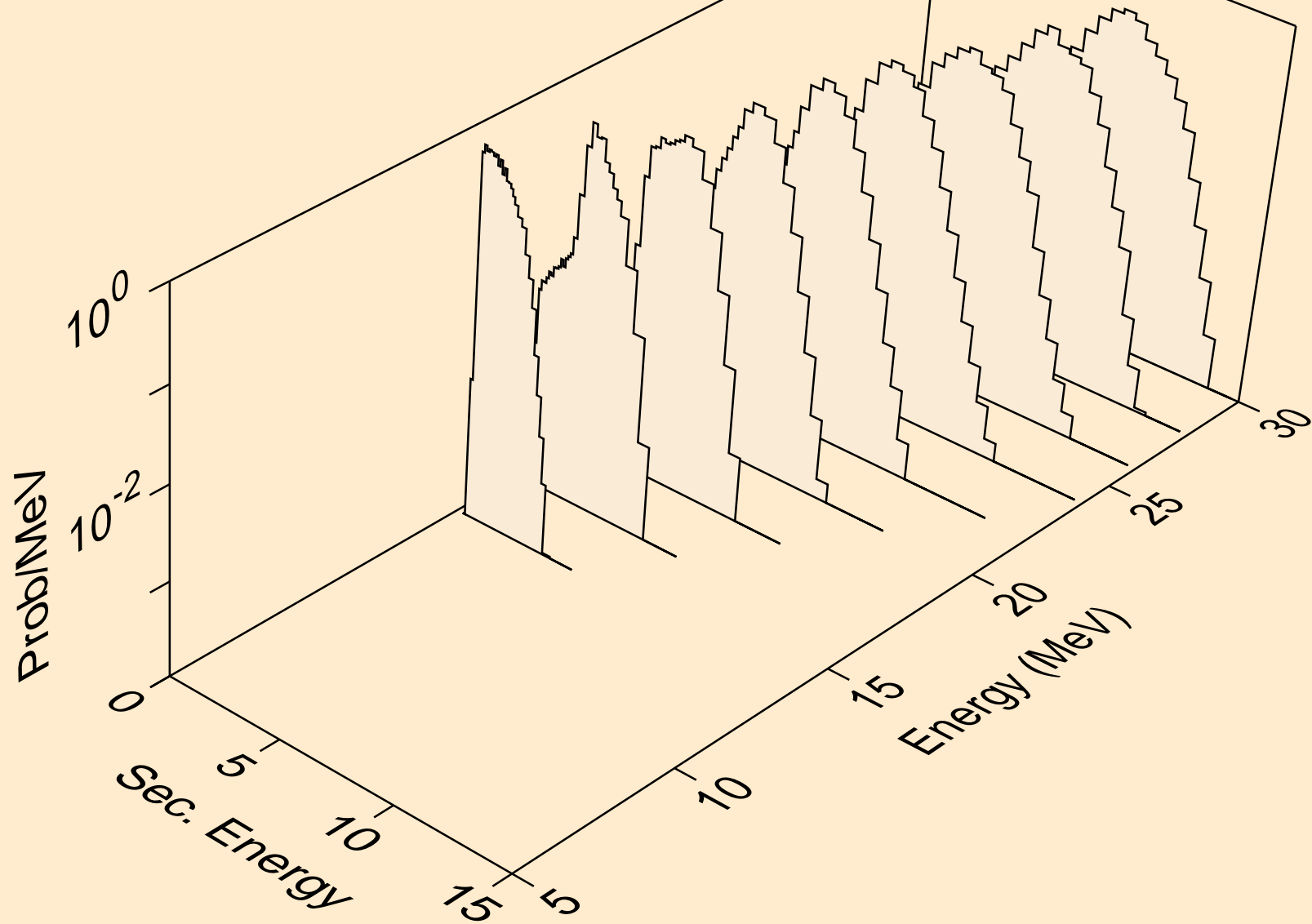
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Proton emission for (p,2p)



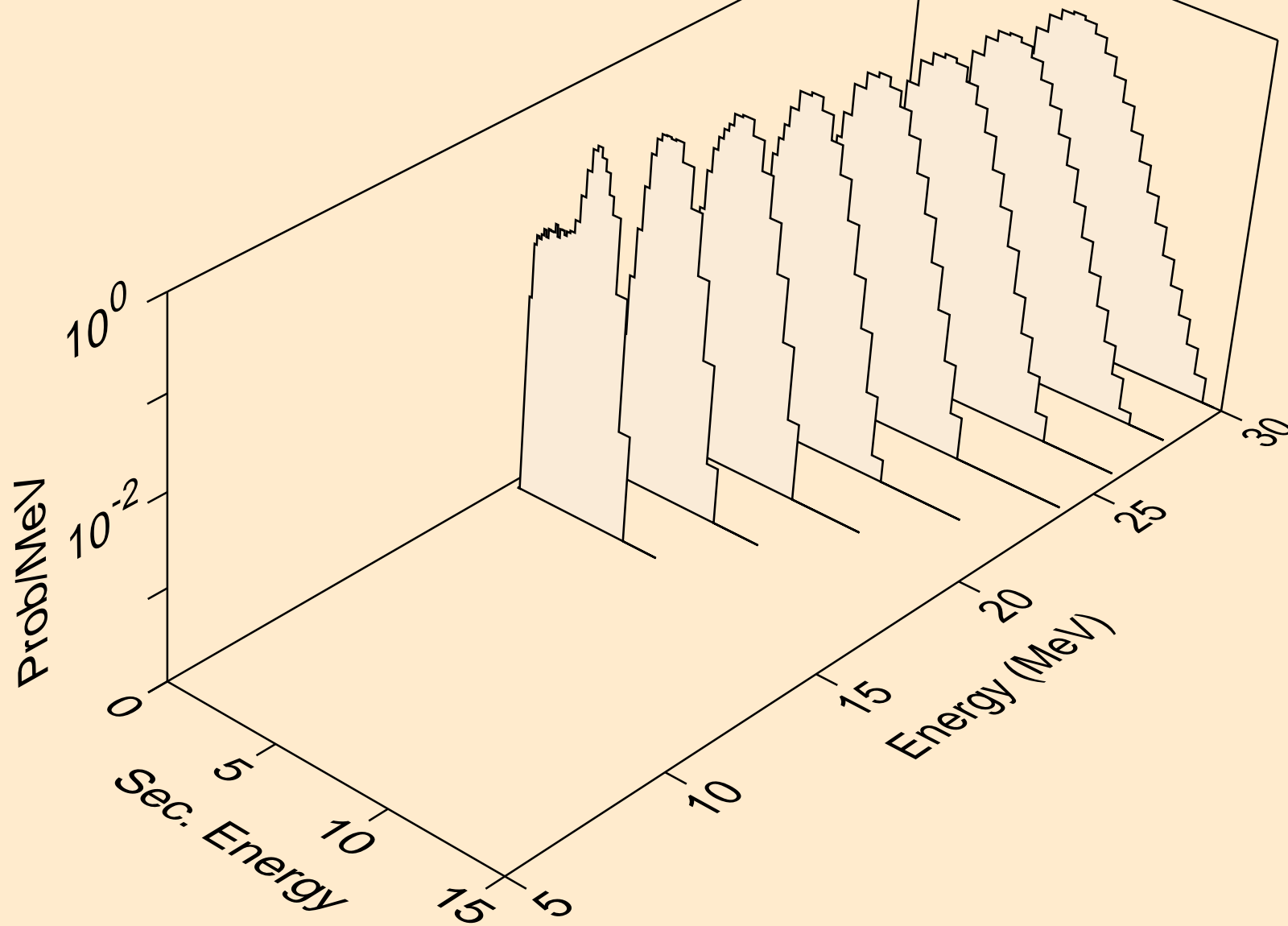
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Proton emission for (p,pa)



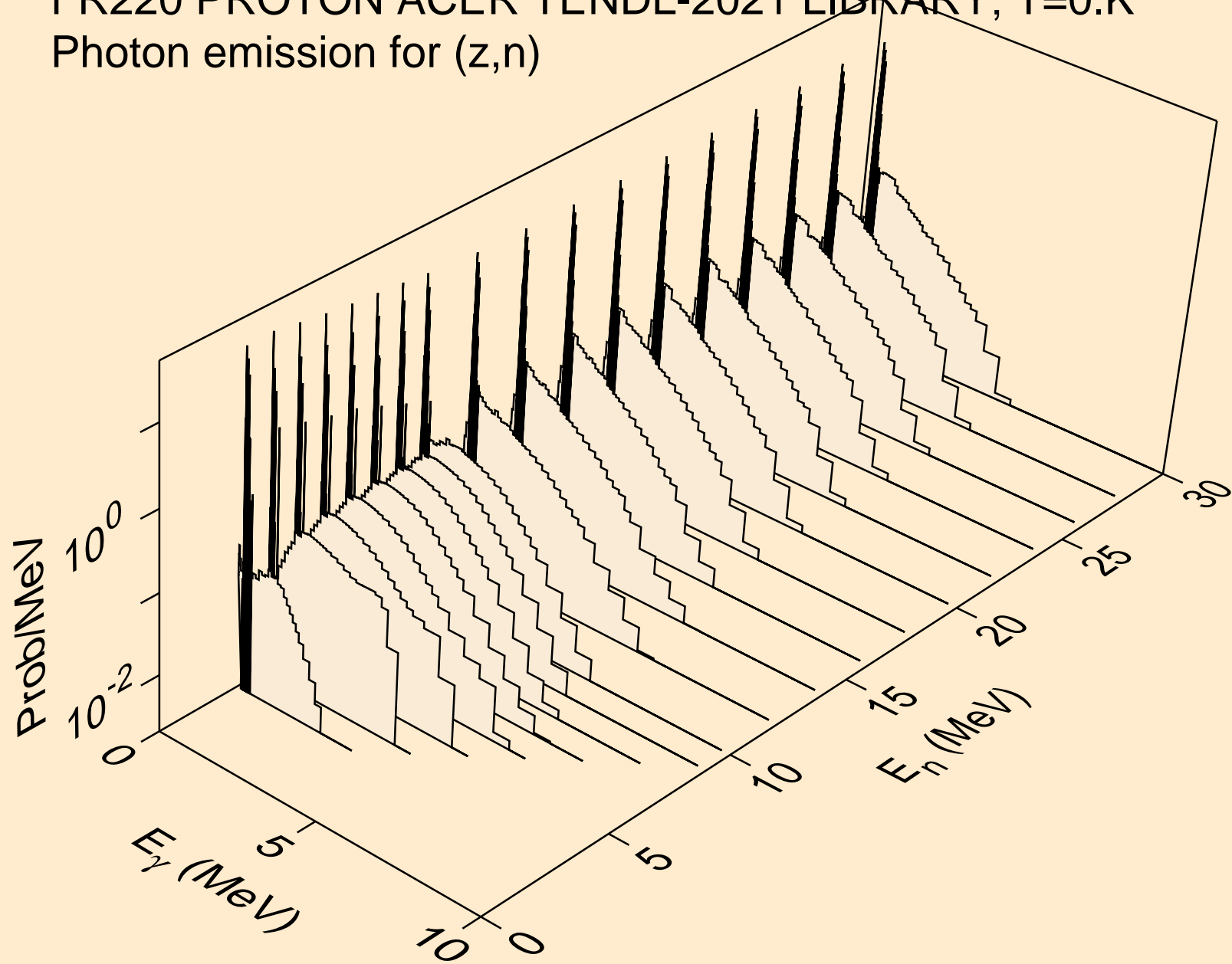
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Proton emission for (p,pd)



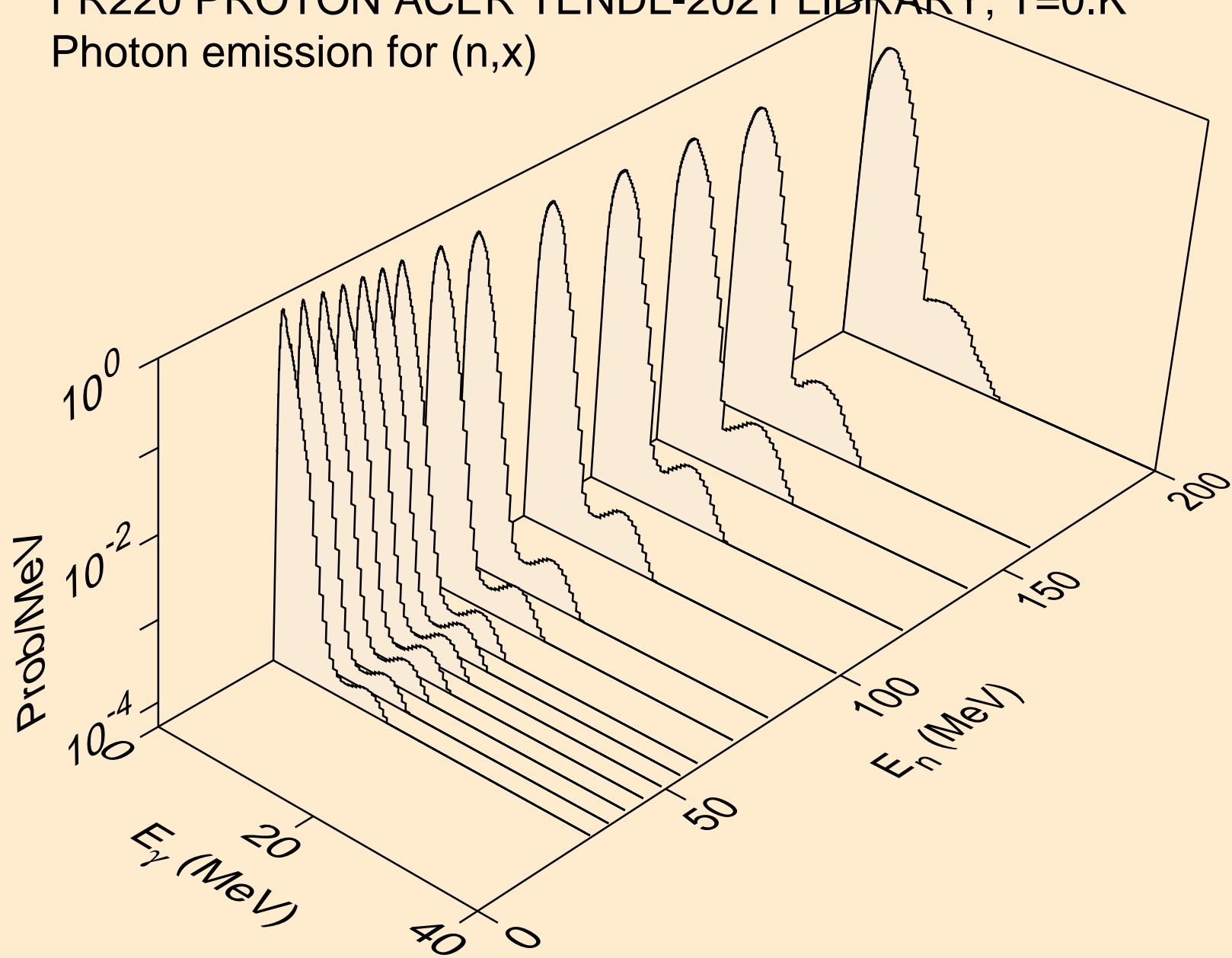
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Proton emission for (p,pt)



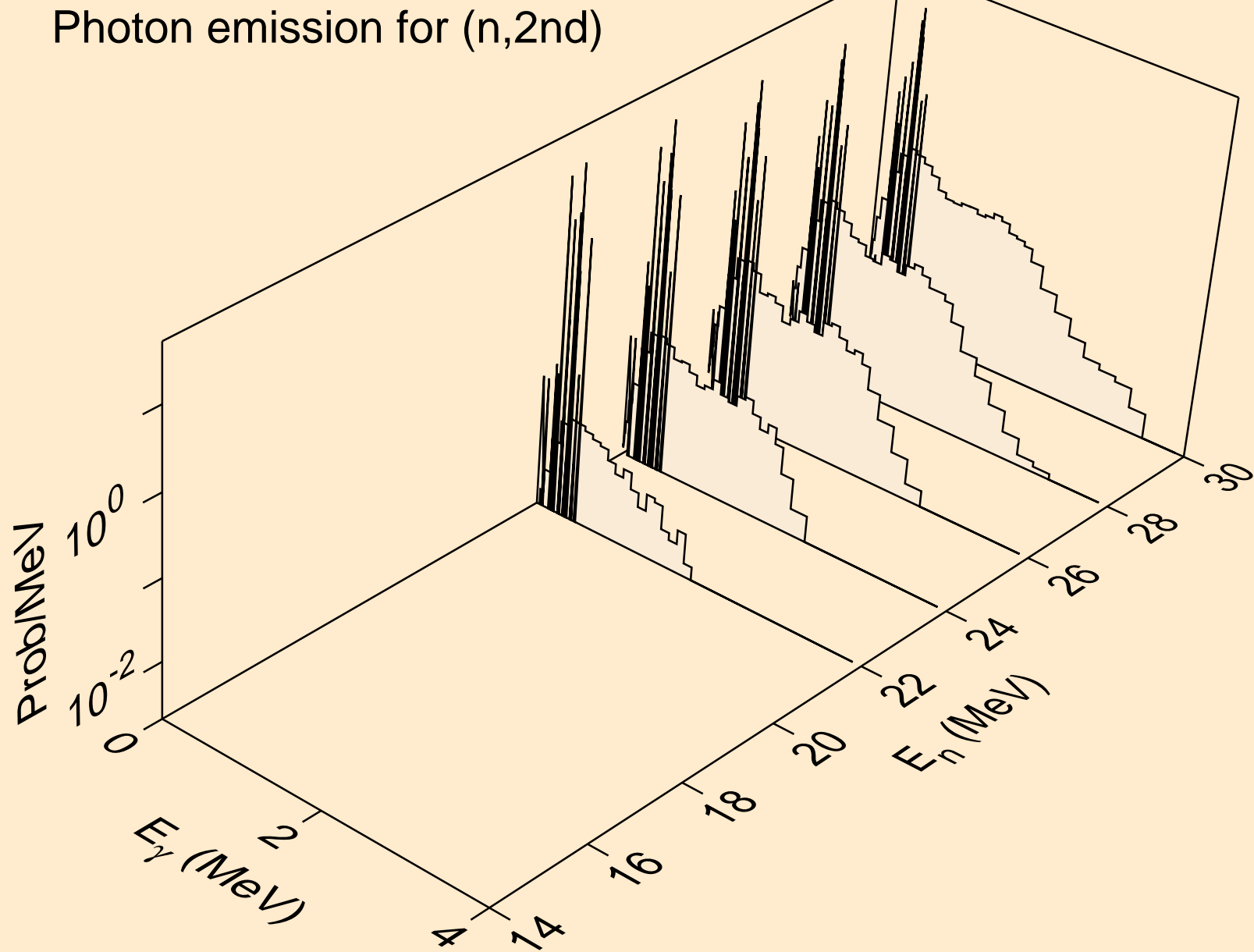
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Photon emission for (z,n)



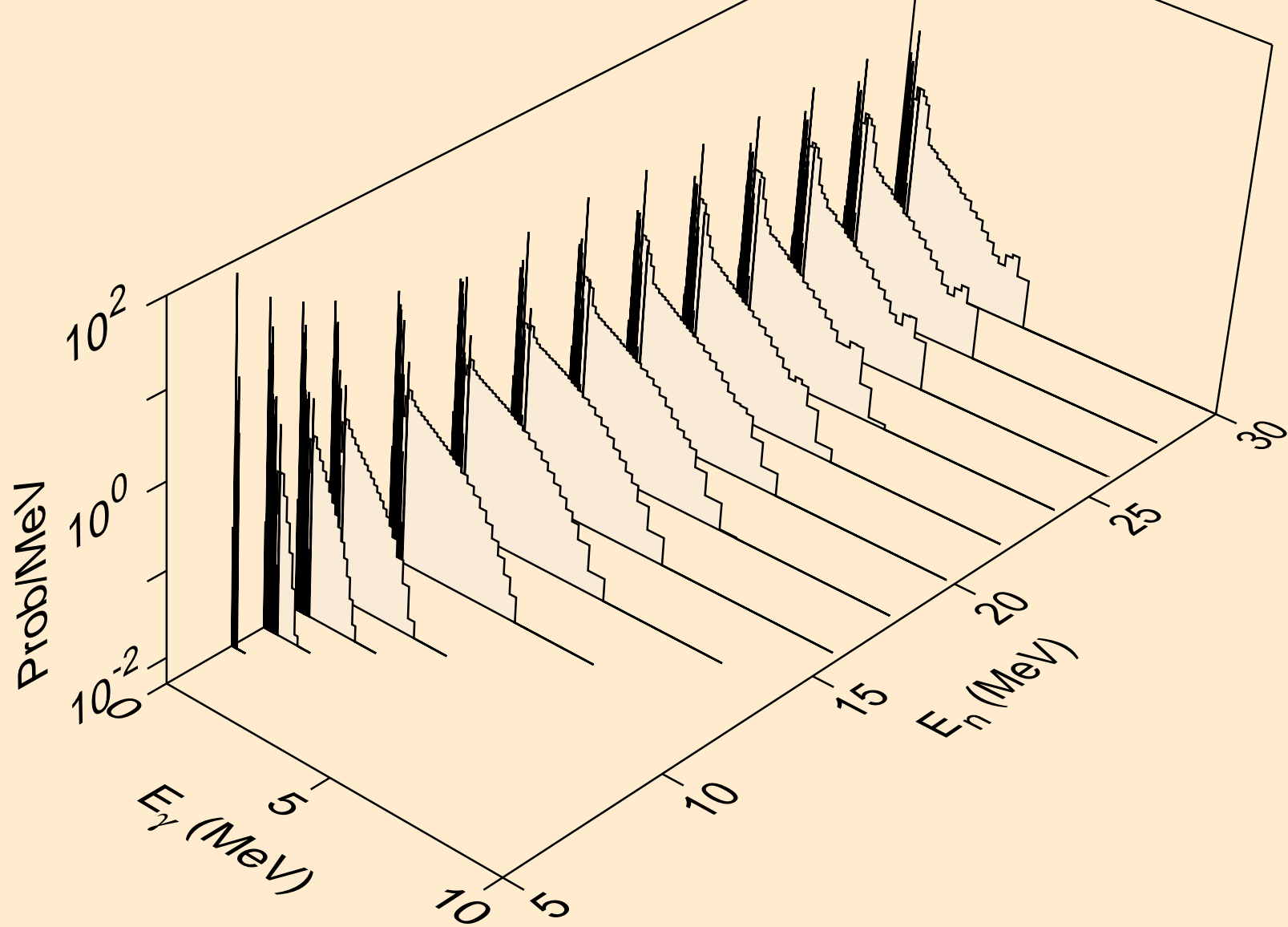
FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,x)



FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2nd)

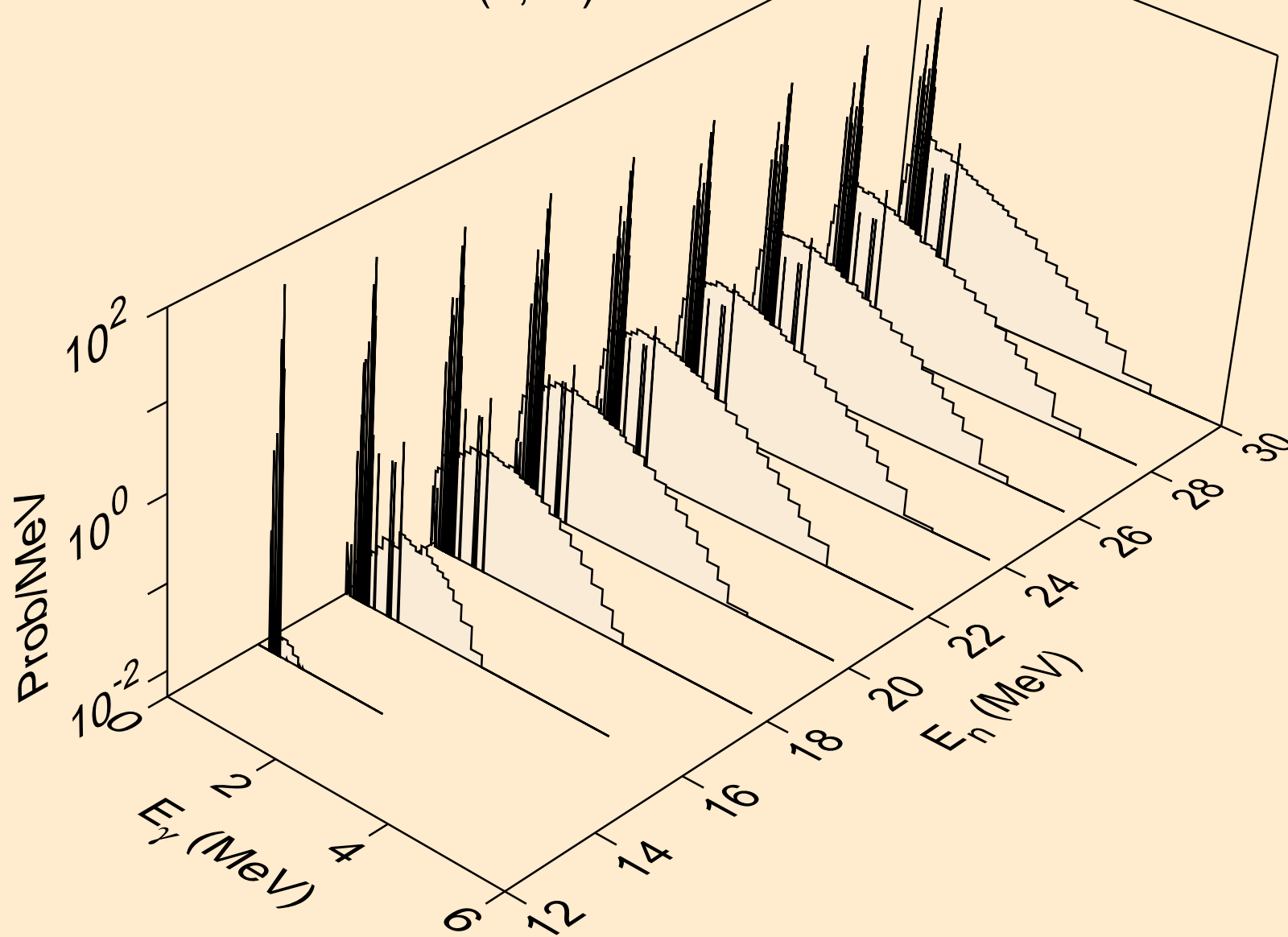


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Photon emission for (n,2n)

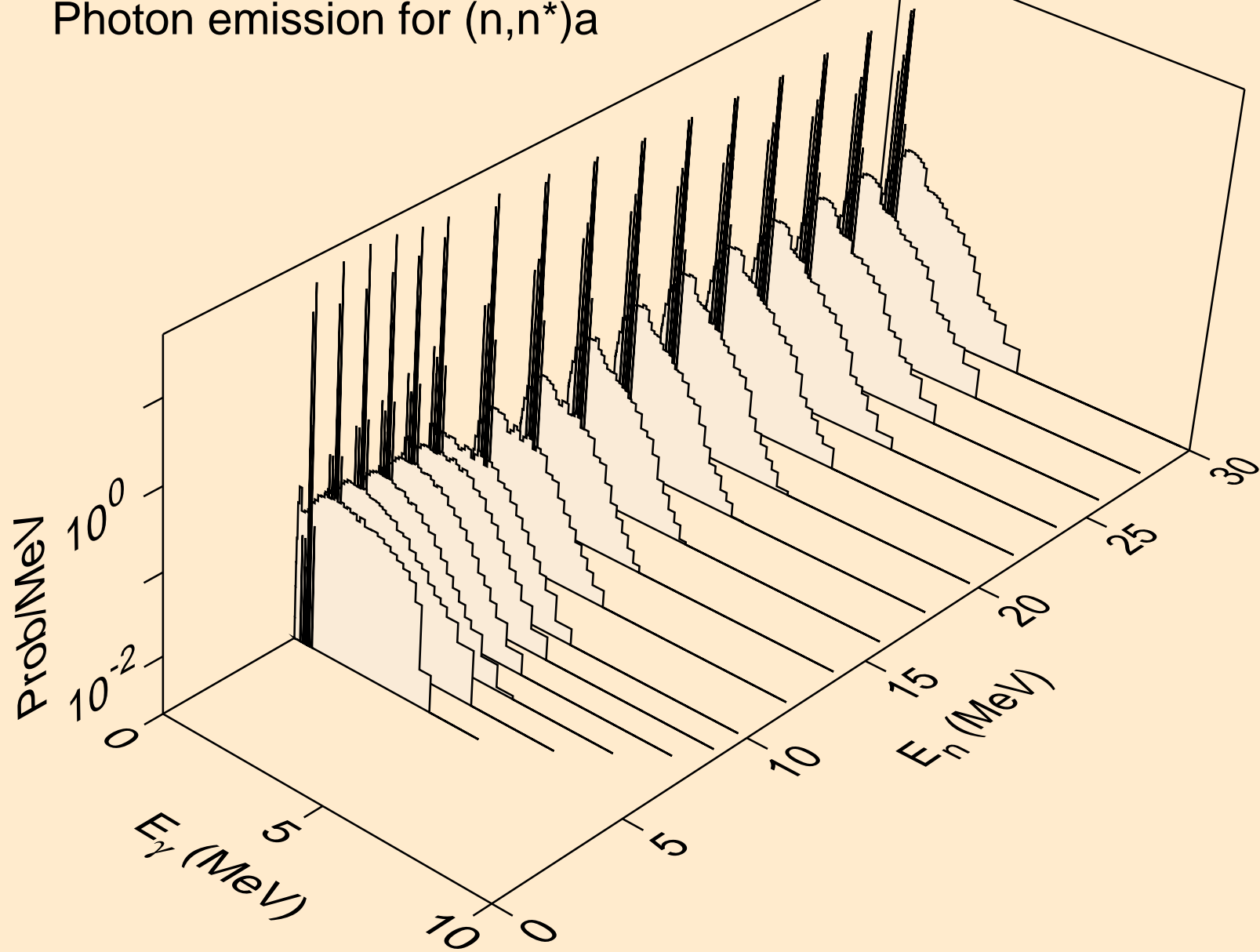




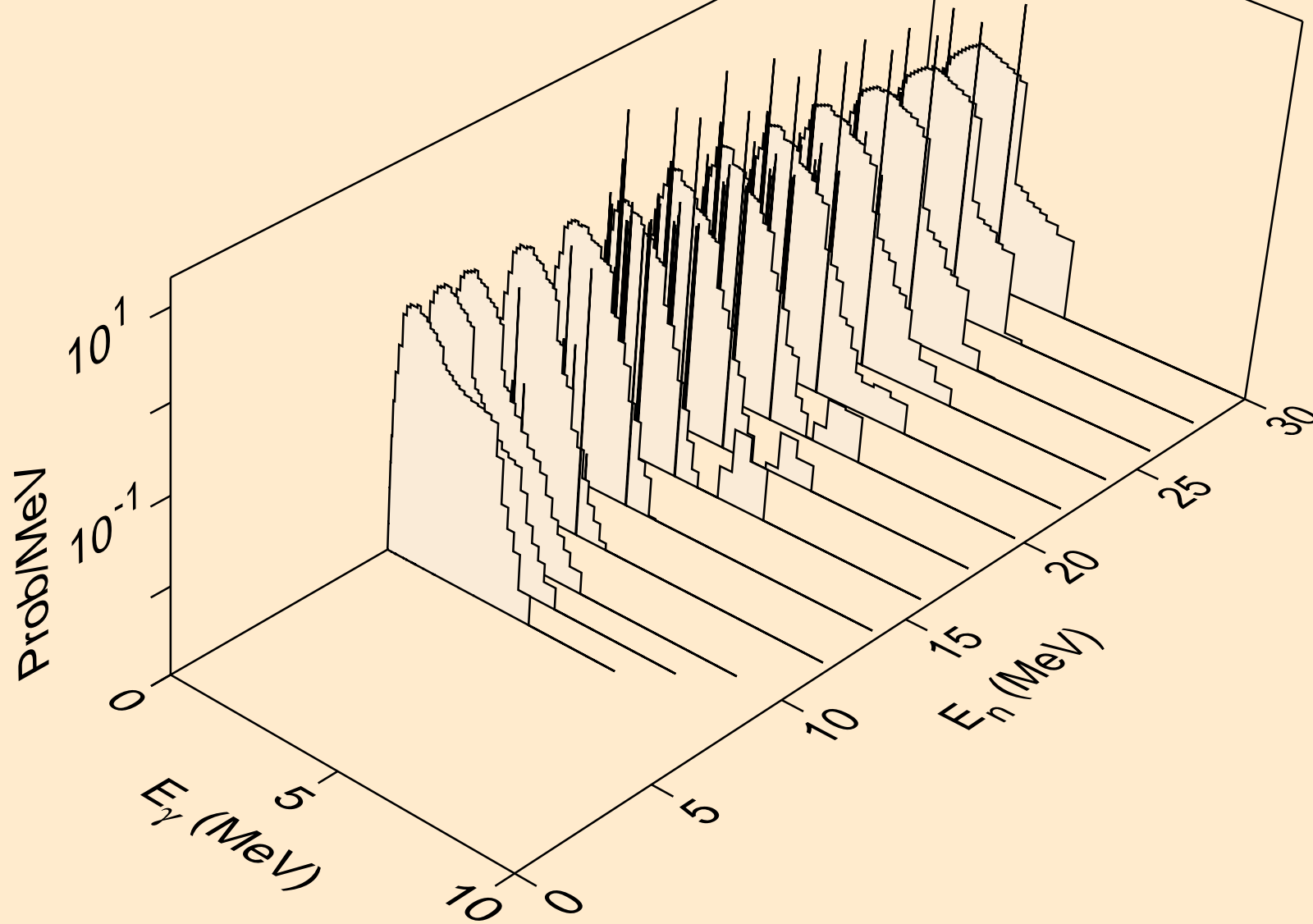
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Photon emission for (n,3n)



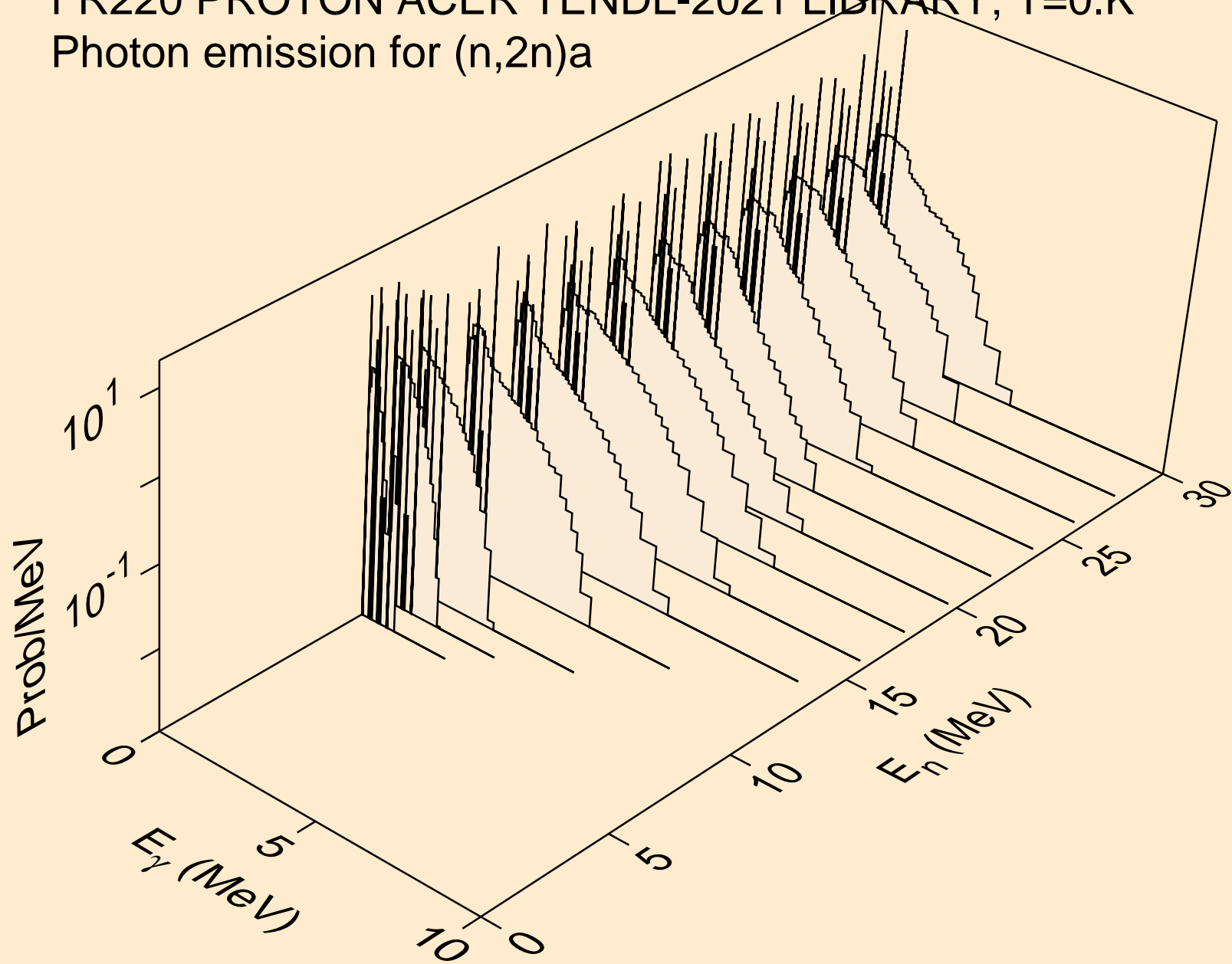
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Photon emission for (n,n\*)a



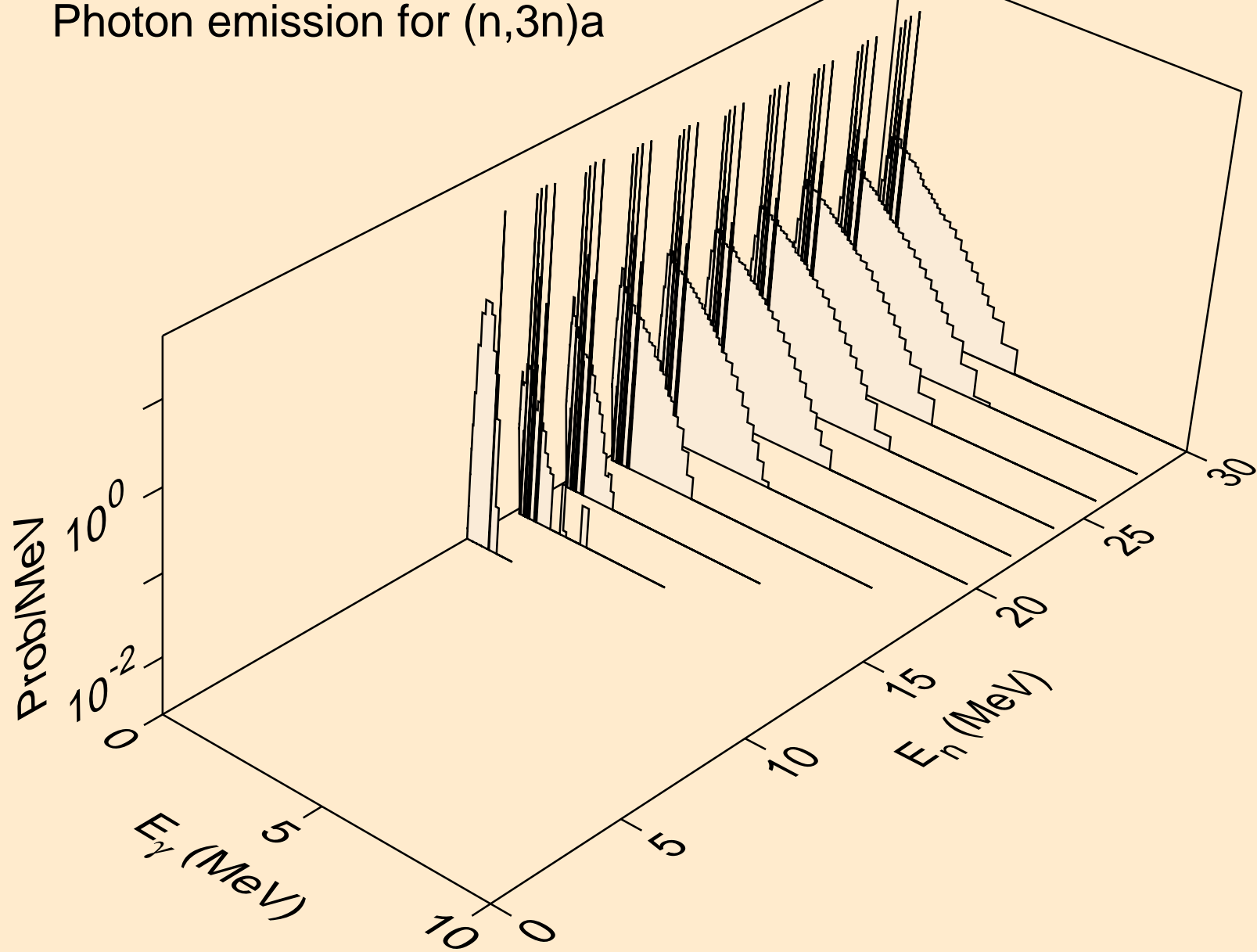
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Photon emission for (n,n\*)3a



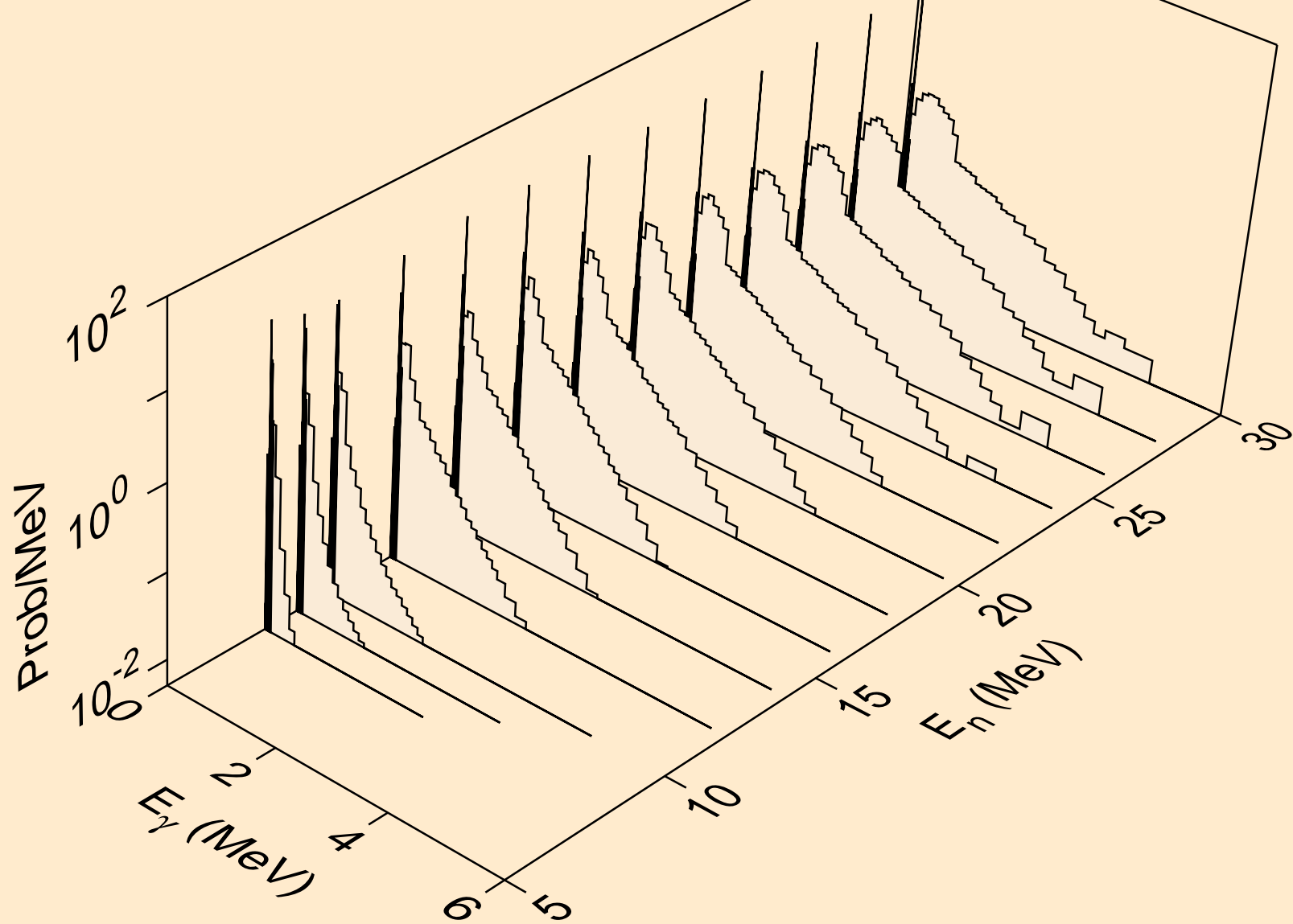
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Photon emission for (n,2n)a



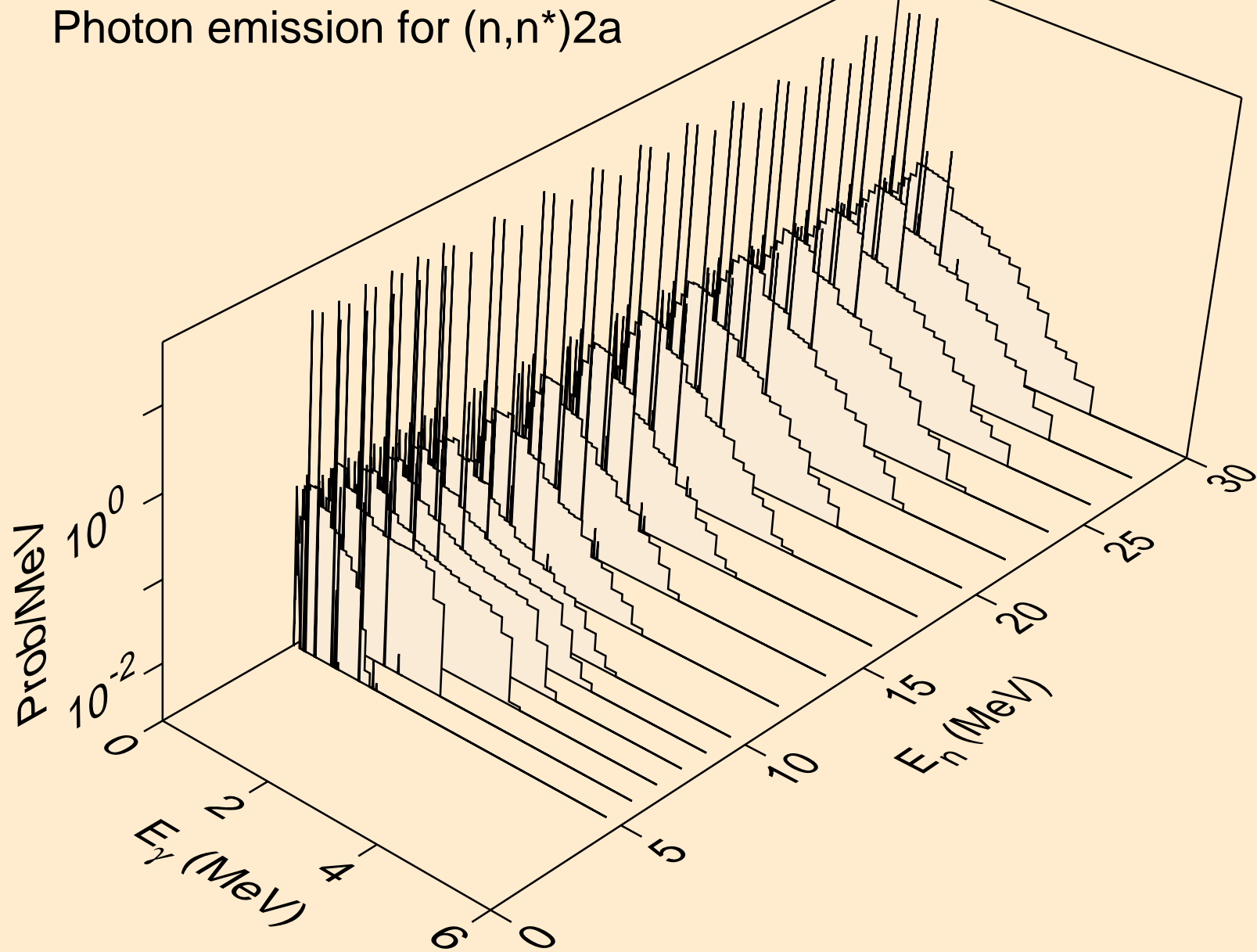
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Photon emission for (n,3n)a



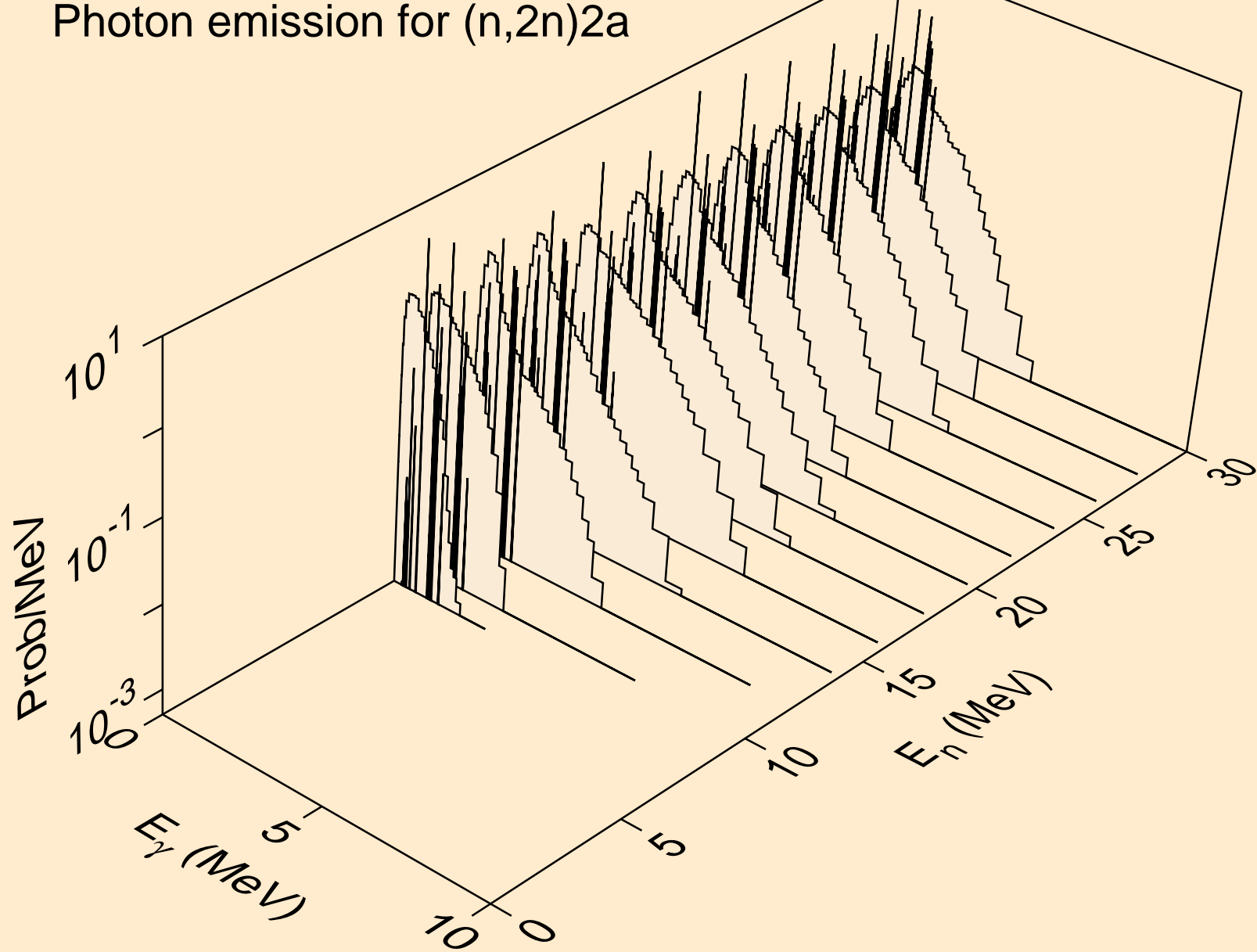
FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

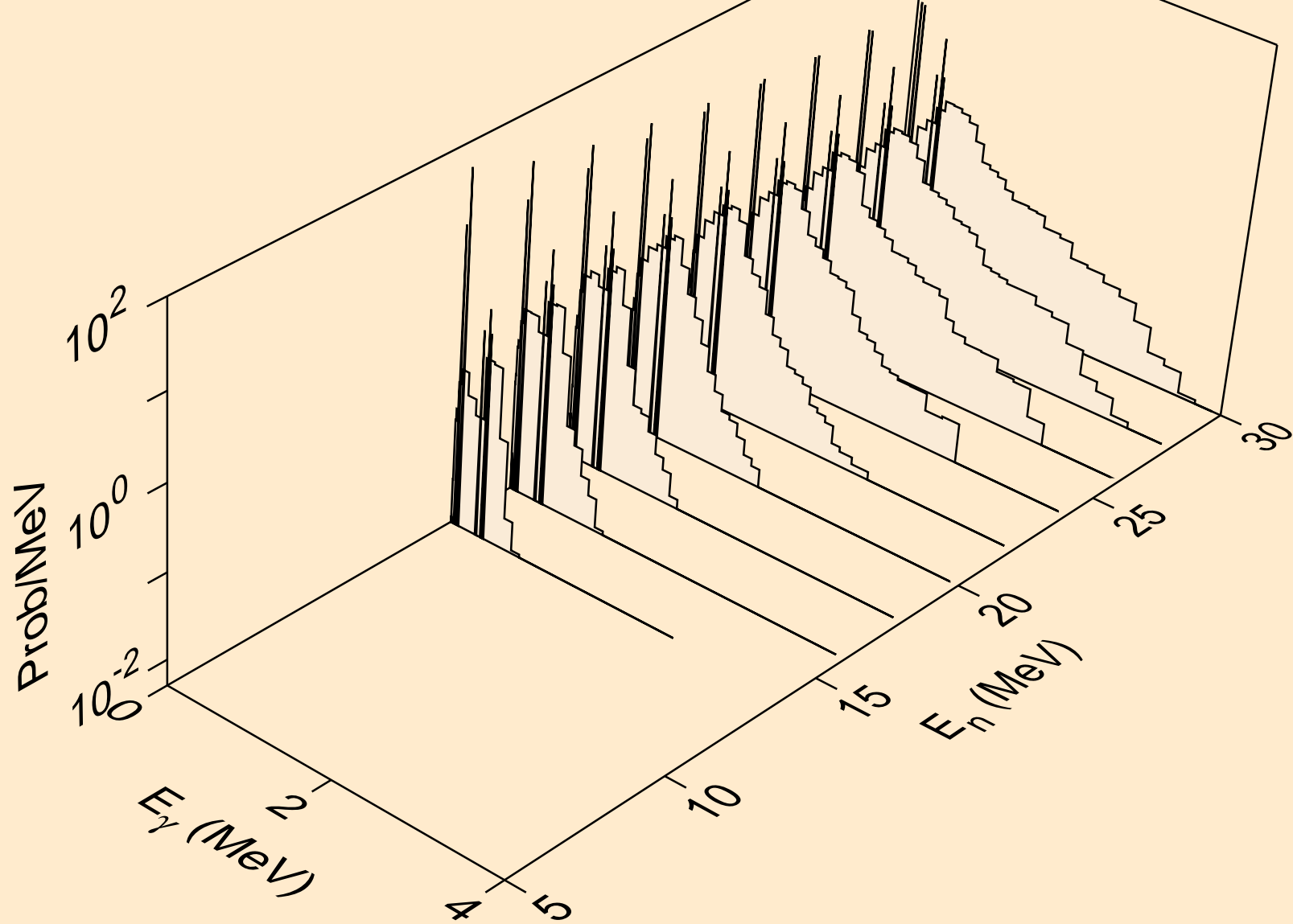


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Photon emission for (n,2n)2a

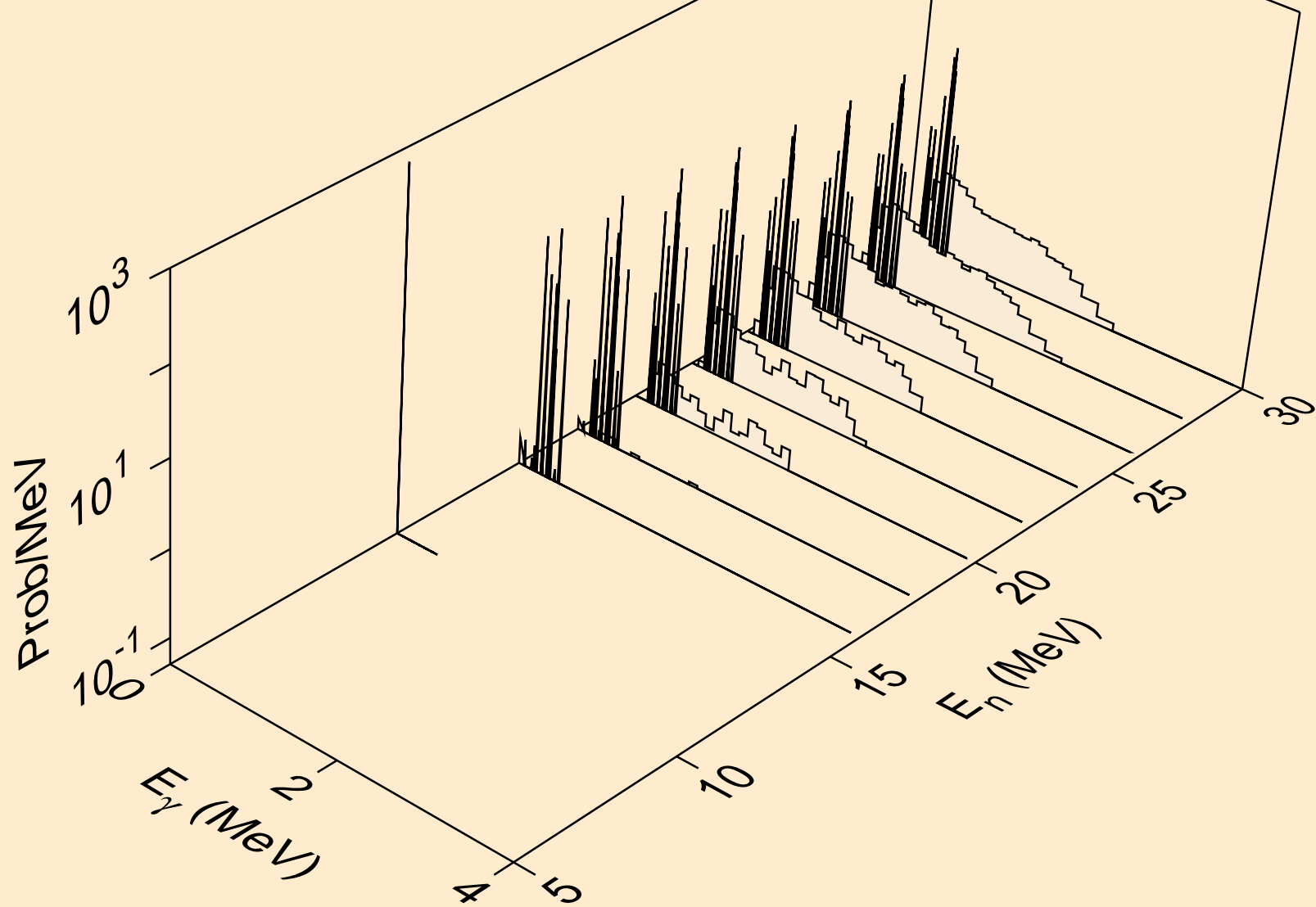




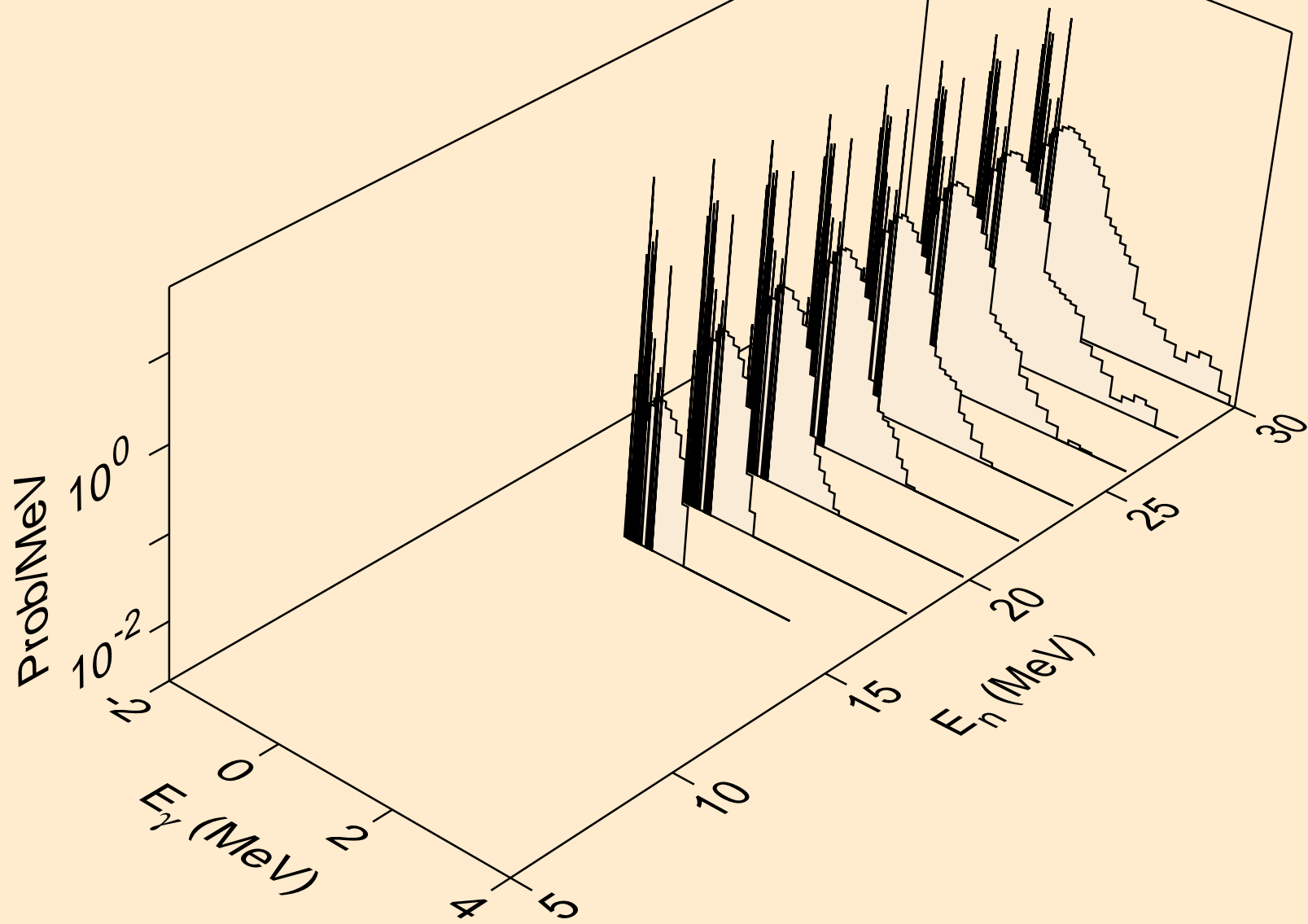
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Photon emission for (n,n\*)d



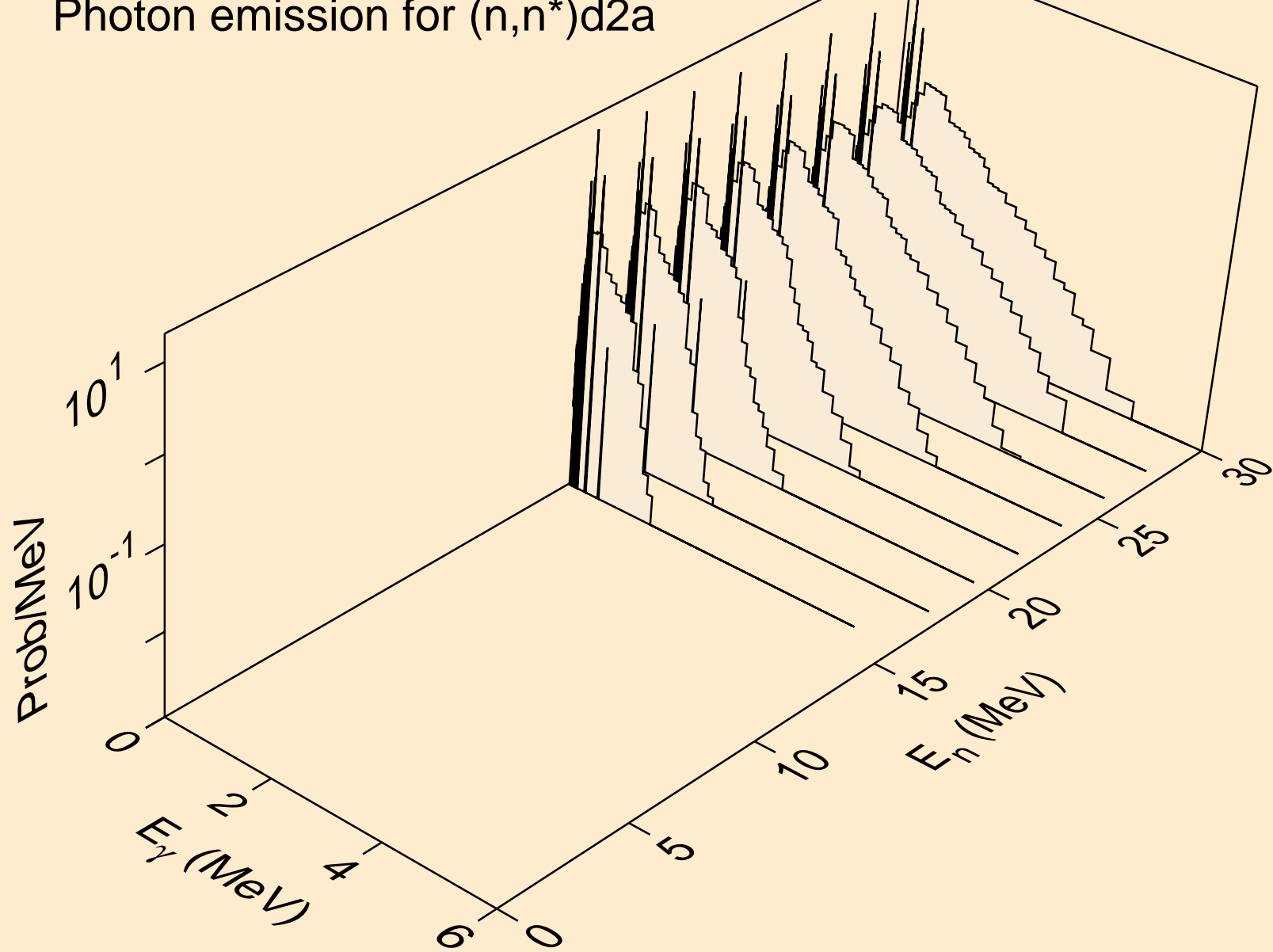
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Photon emission for (n,n\*)t



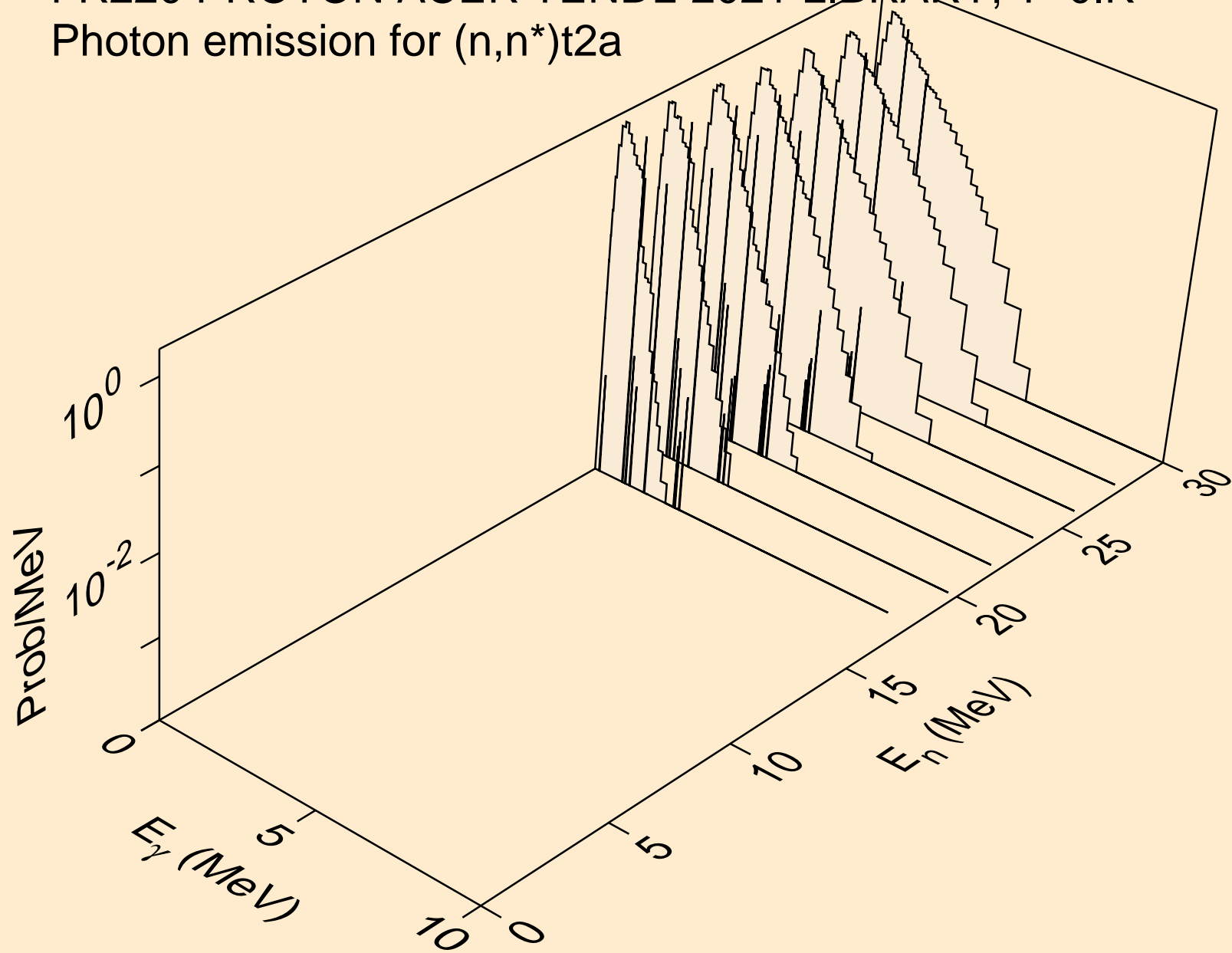
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Photon emission for (n,n\*)he3



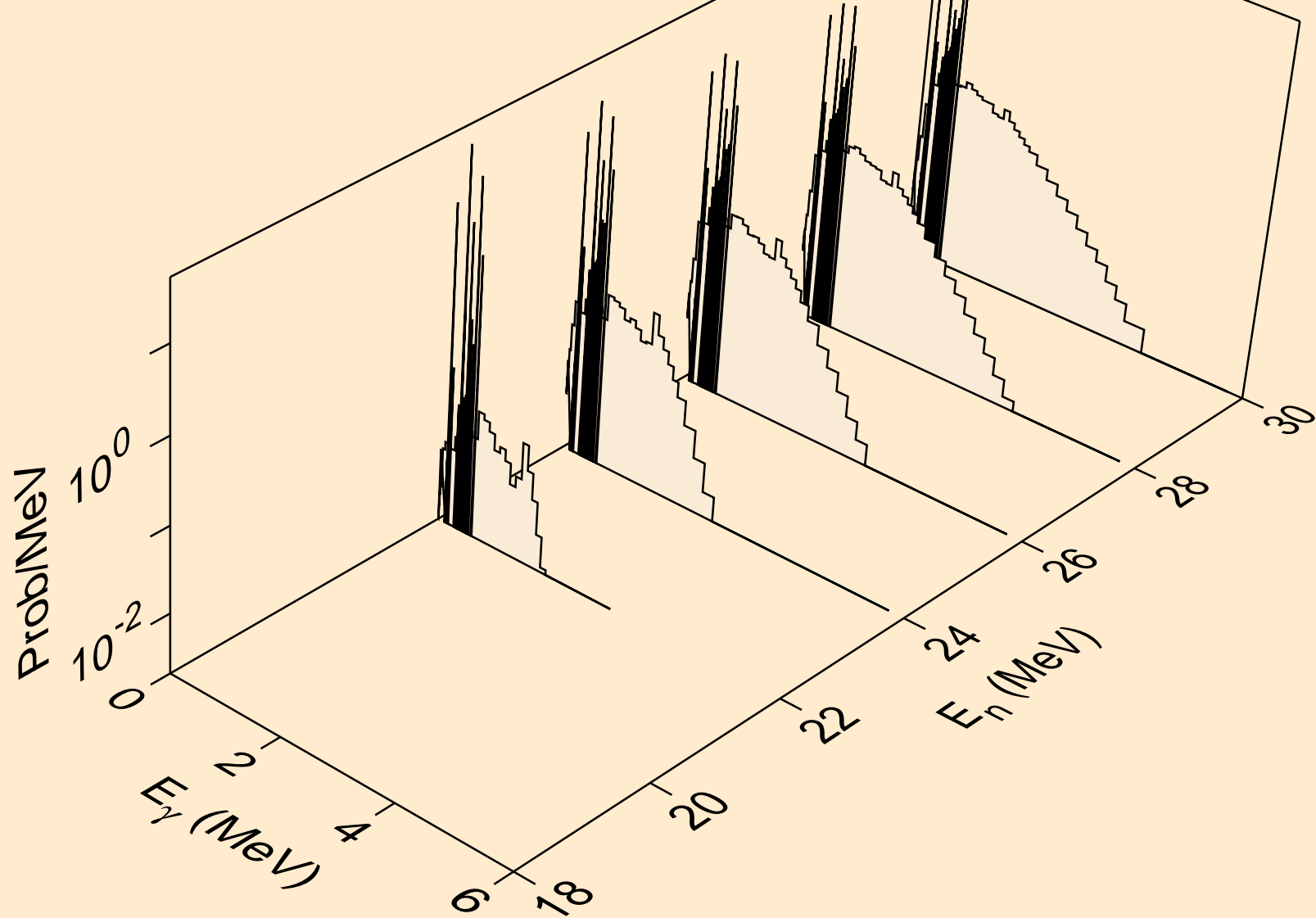
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Photon emission for (n,n\*)d2a



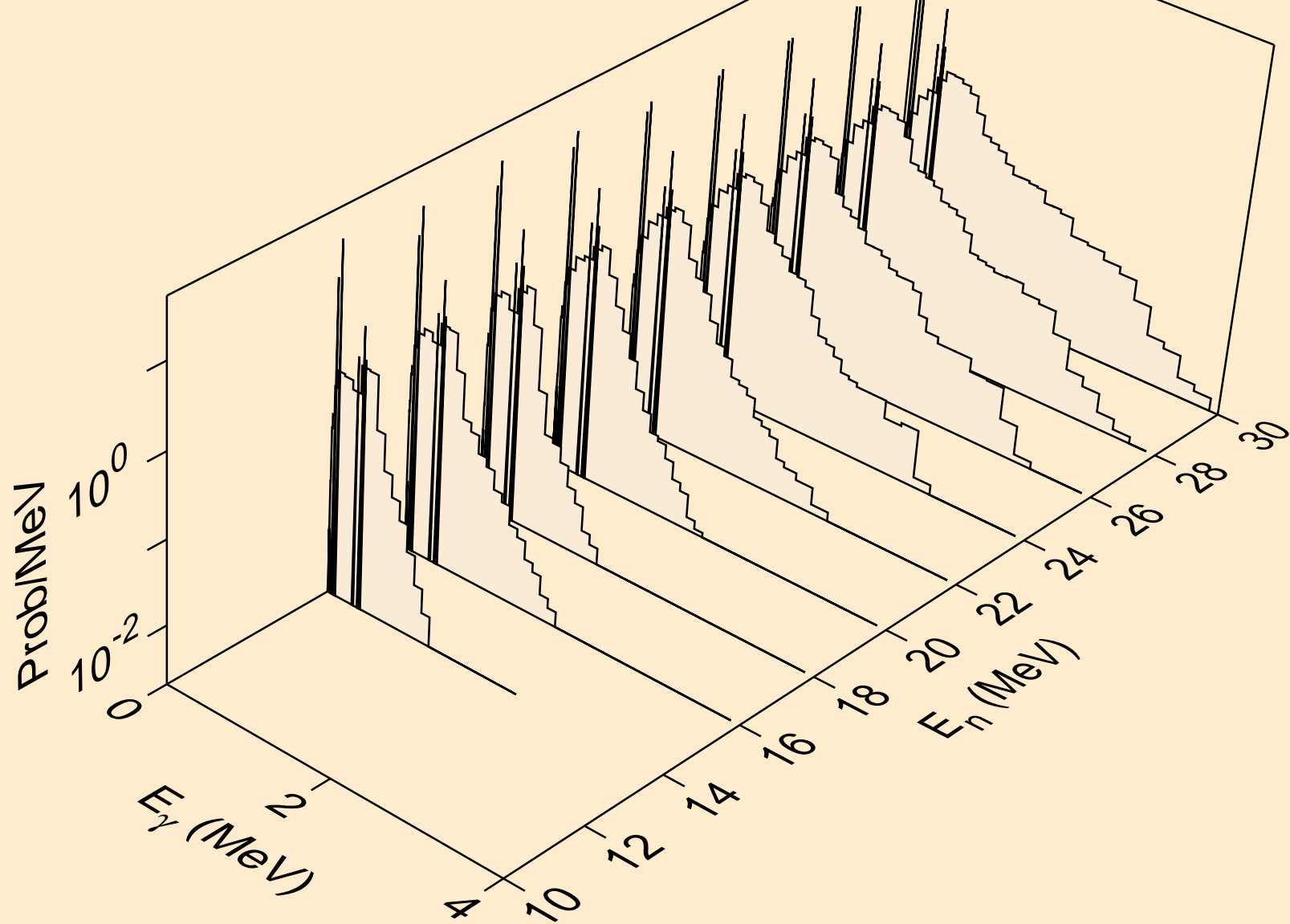
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Photon emission for (n,n\*)t2a



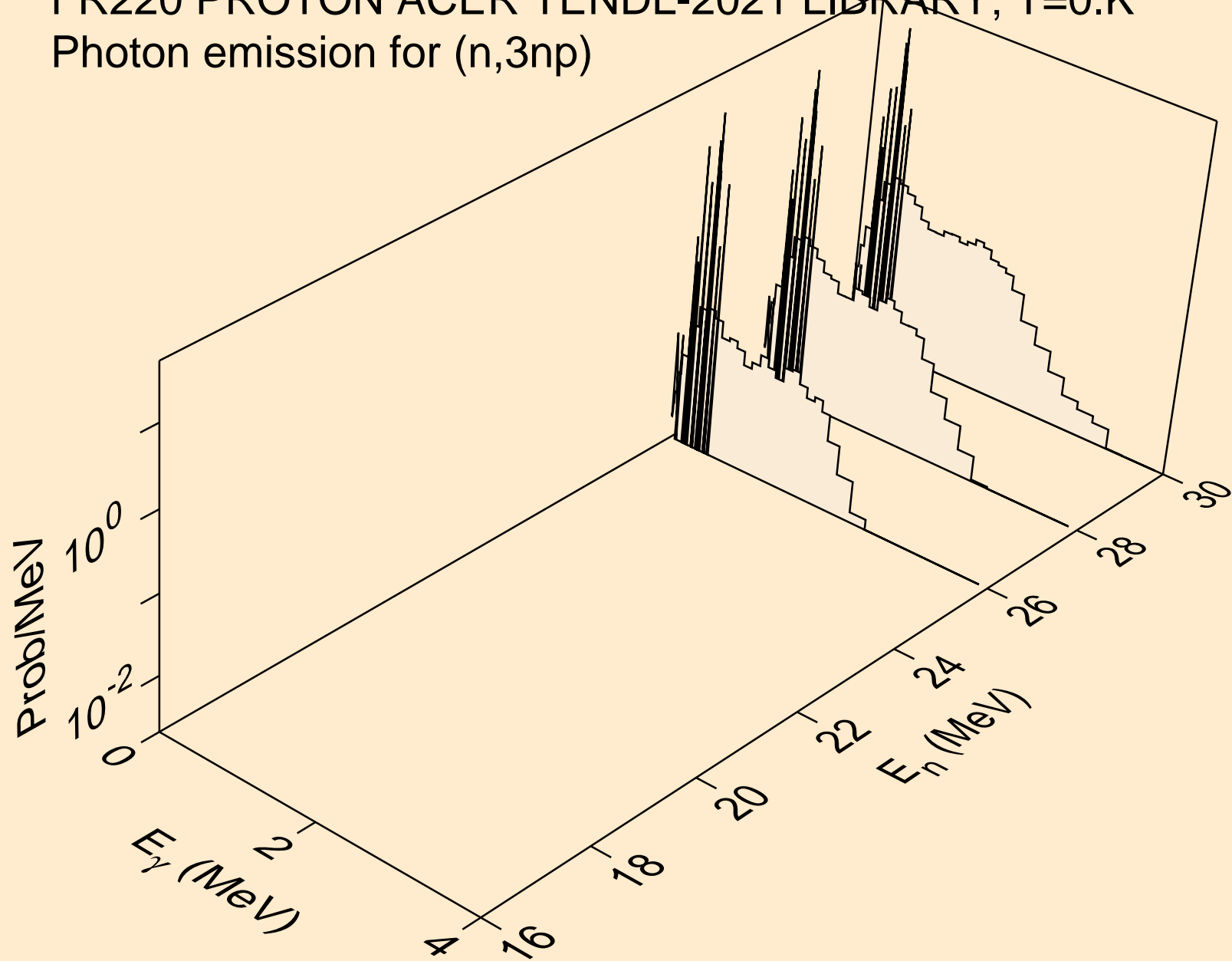
FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,4n)



FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,2np)

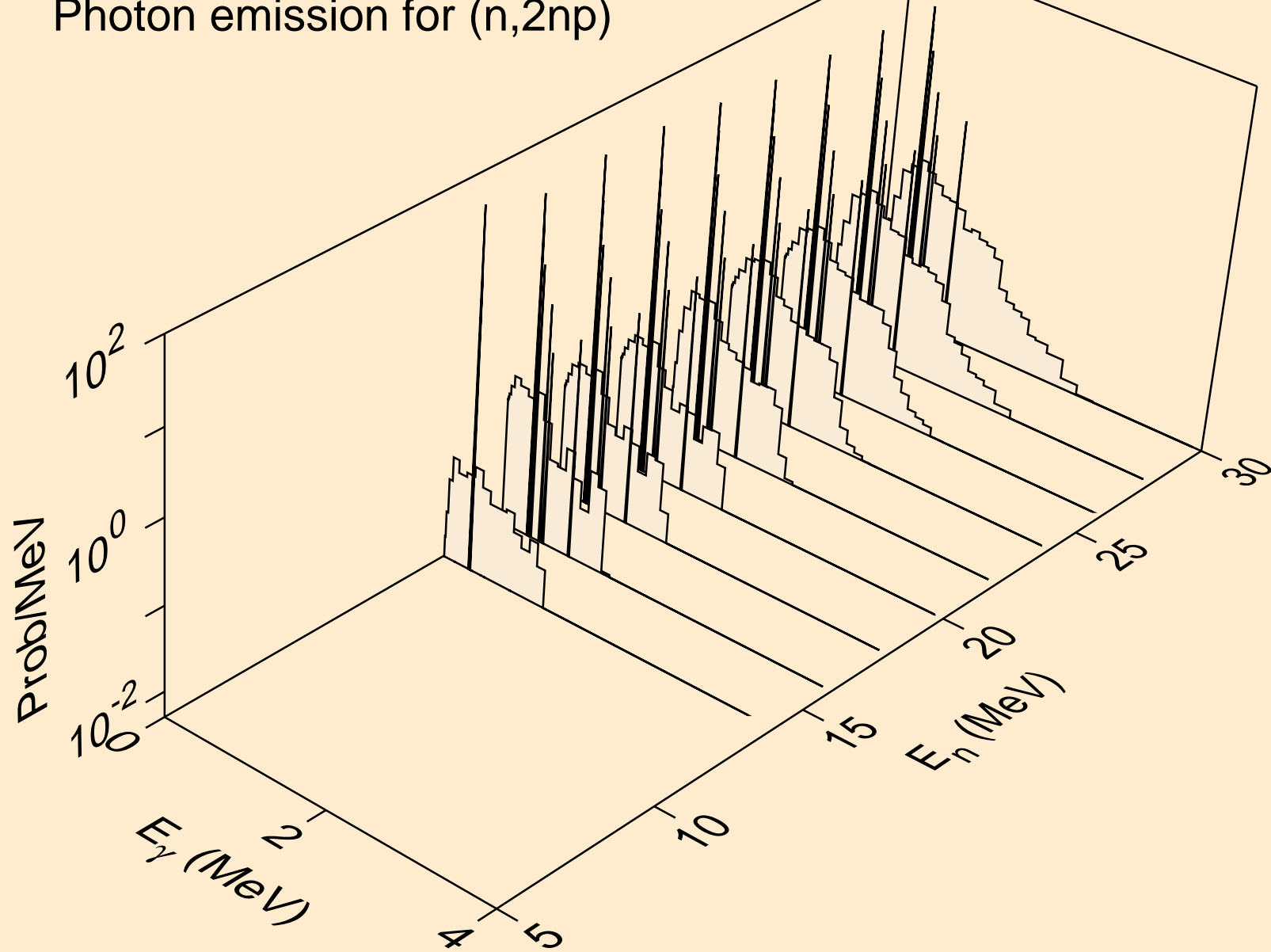


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Photon emission for (n,3np)

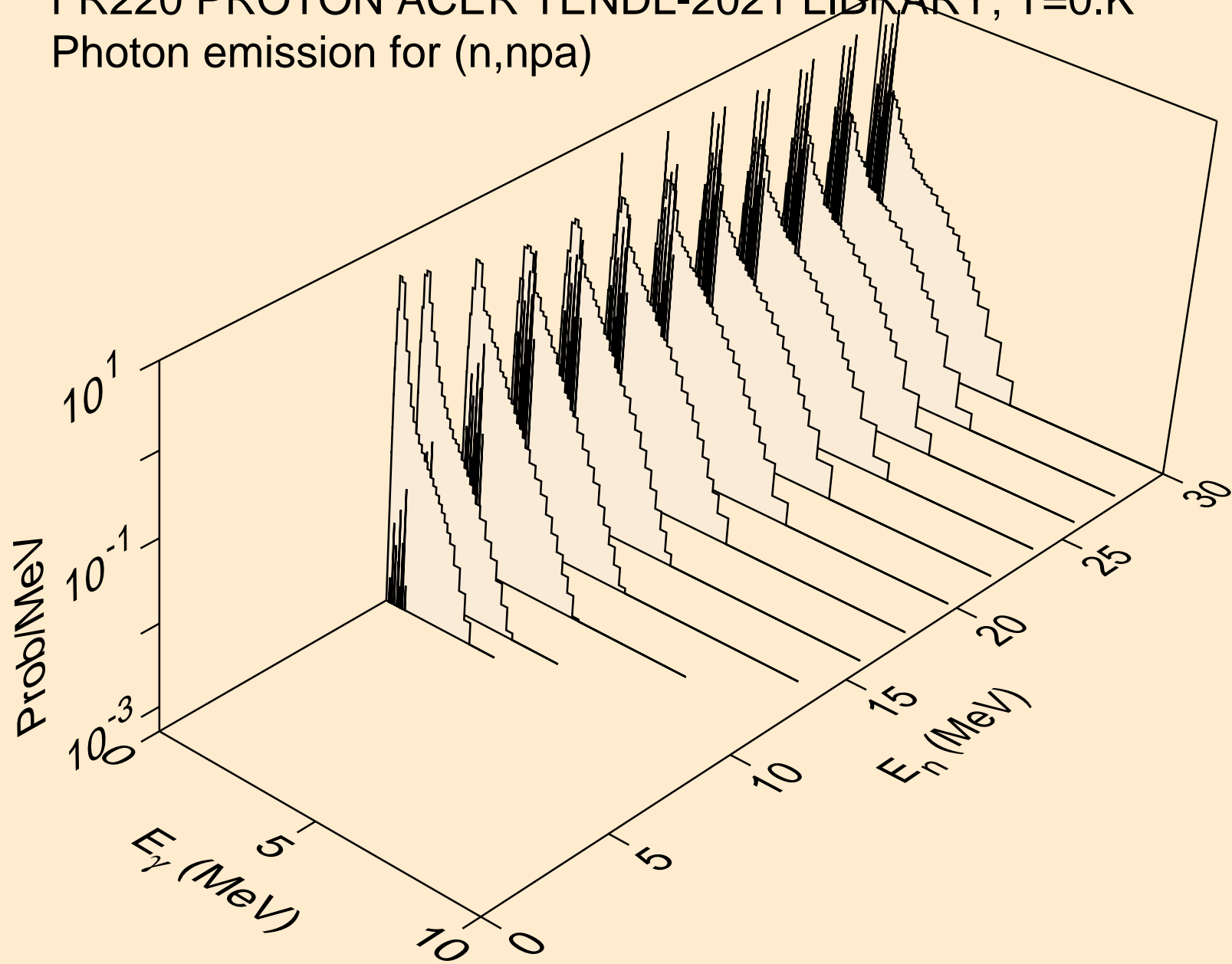




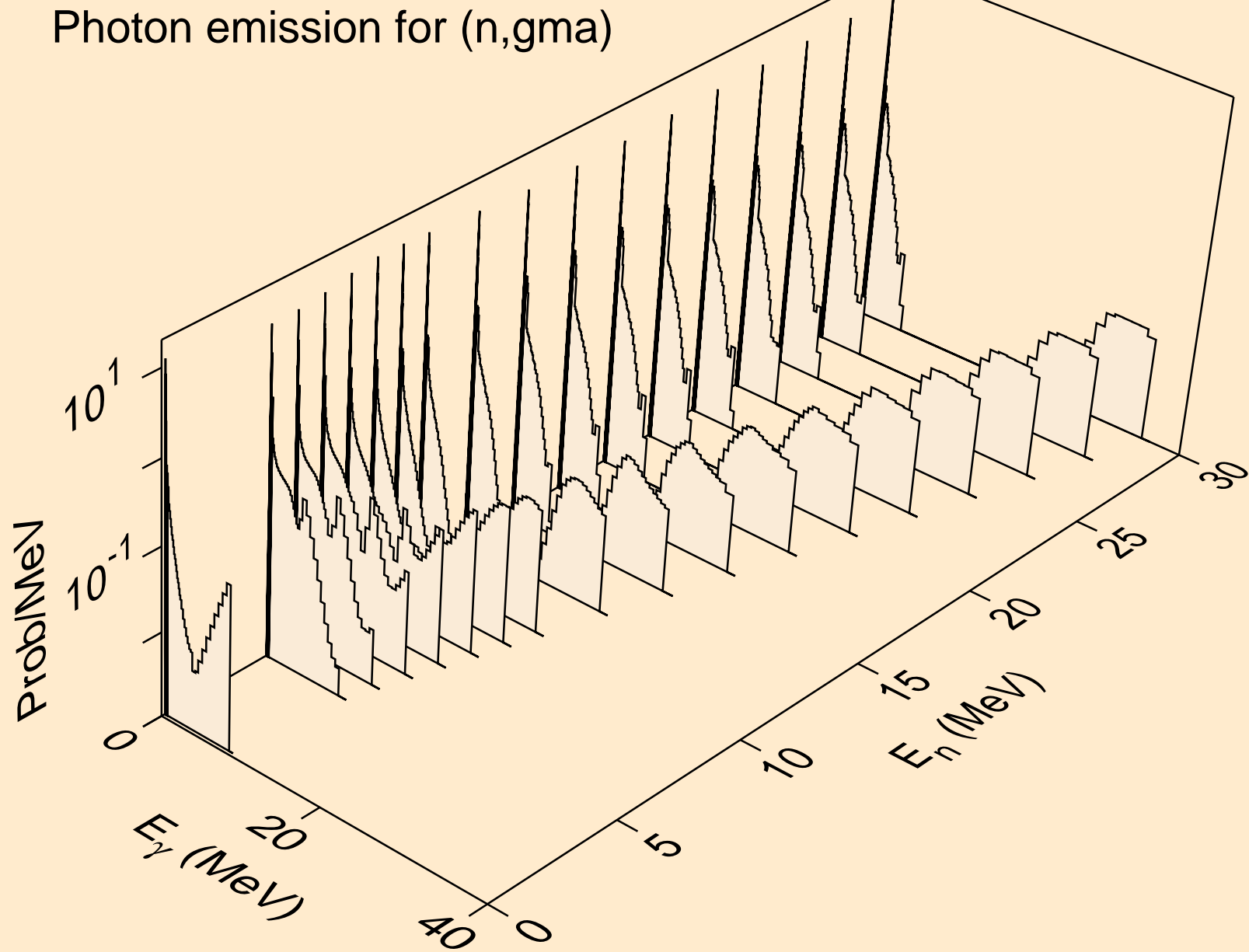
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Photon emission for (n,2np)



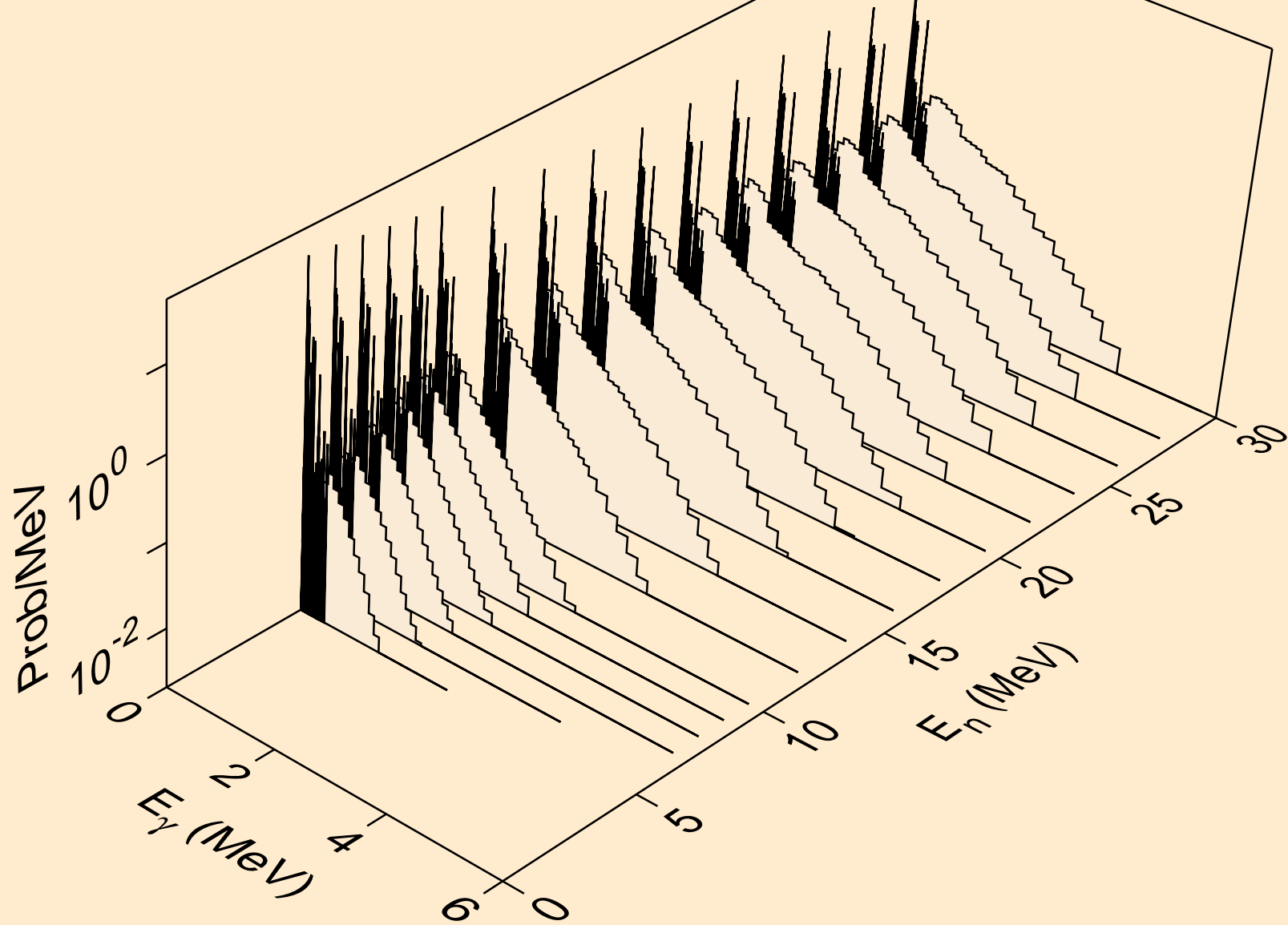
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Photon emission for (n,npa)



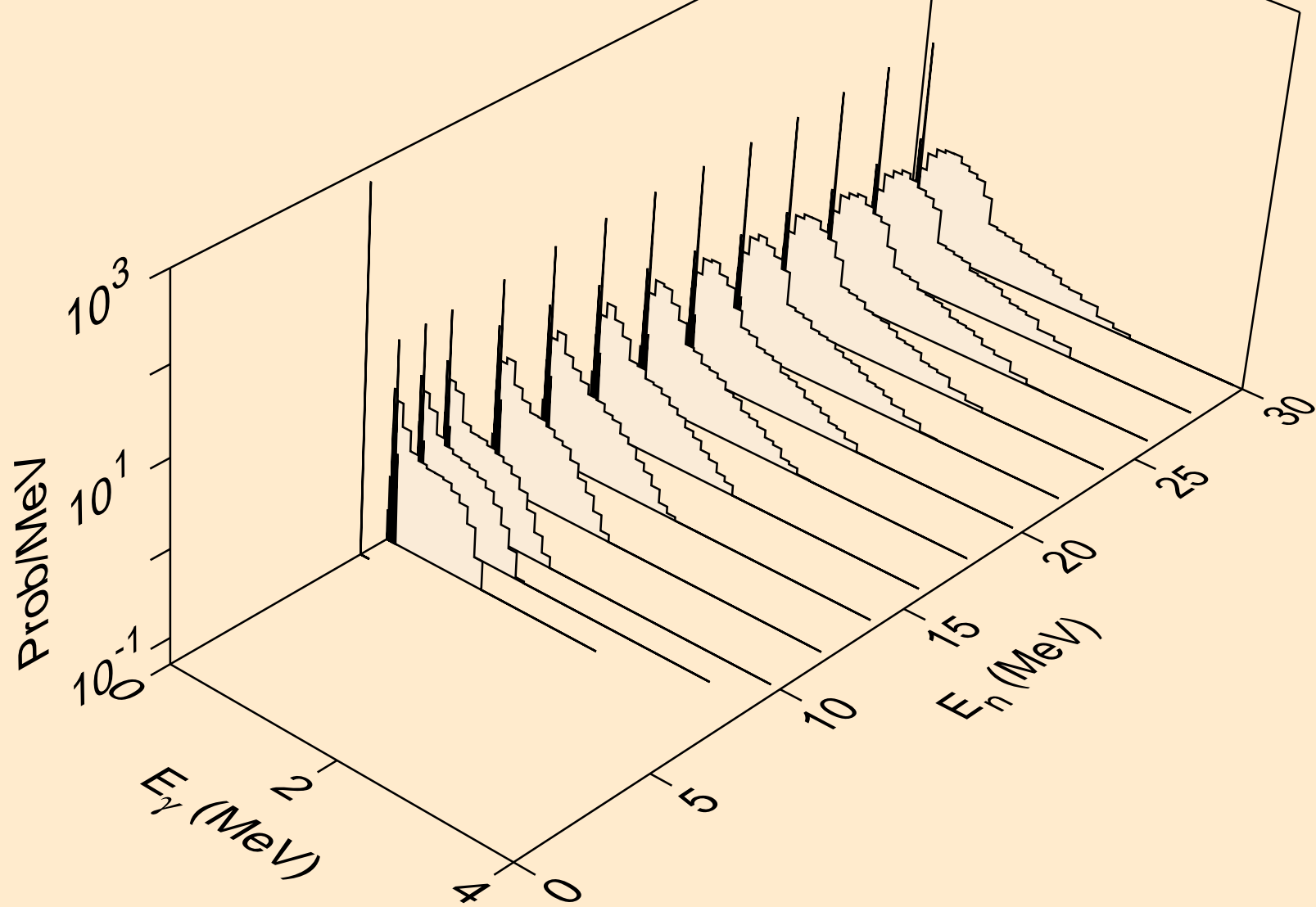
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Photon emission for (n,gma)



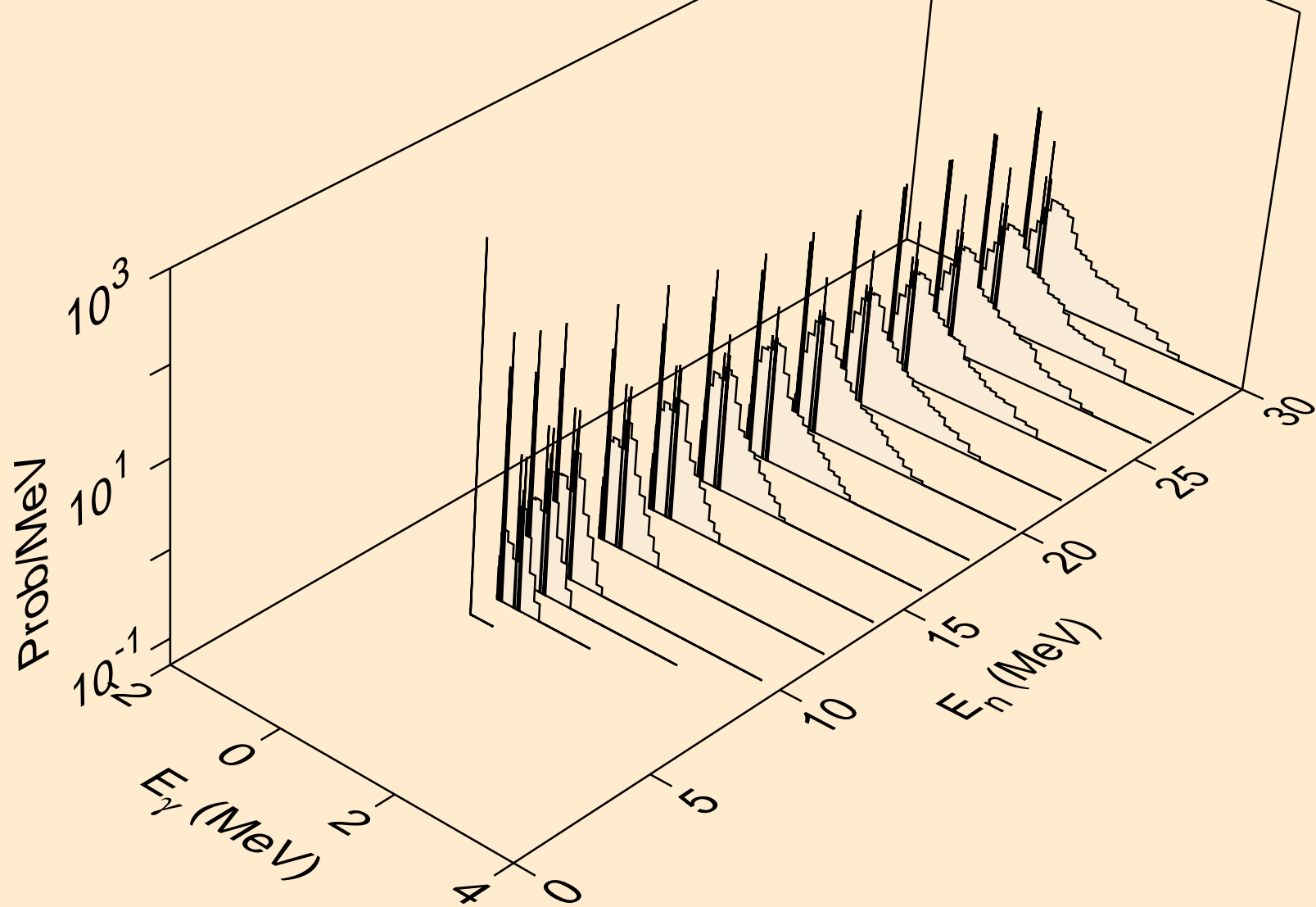
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Photon emission for inelastic



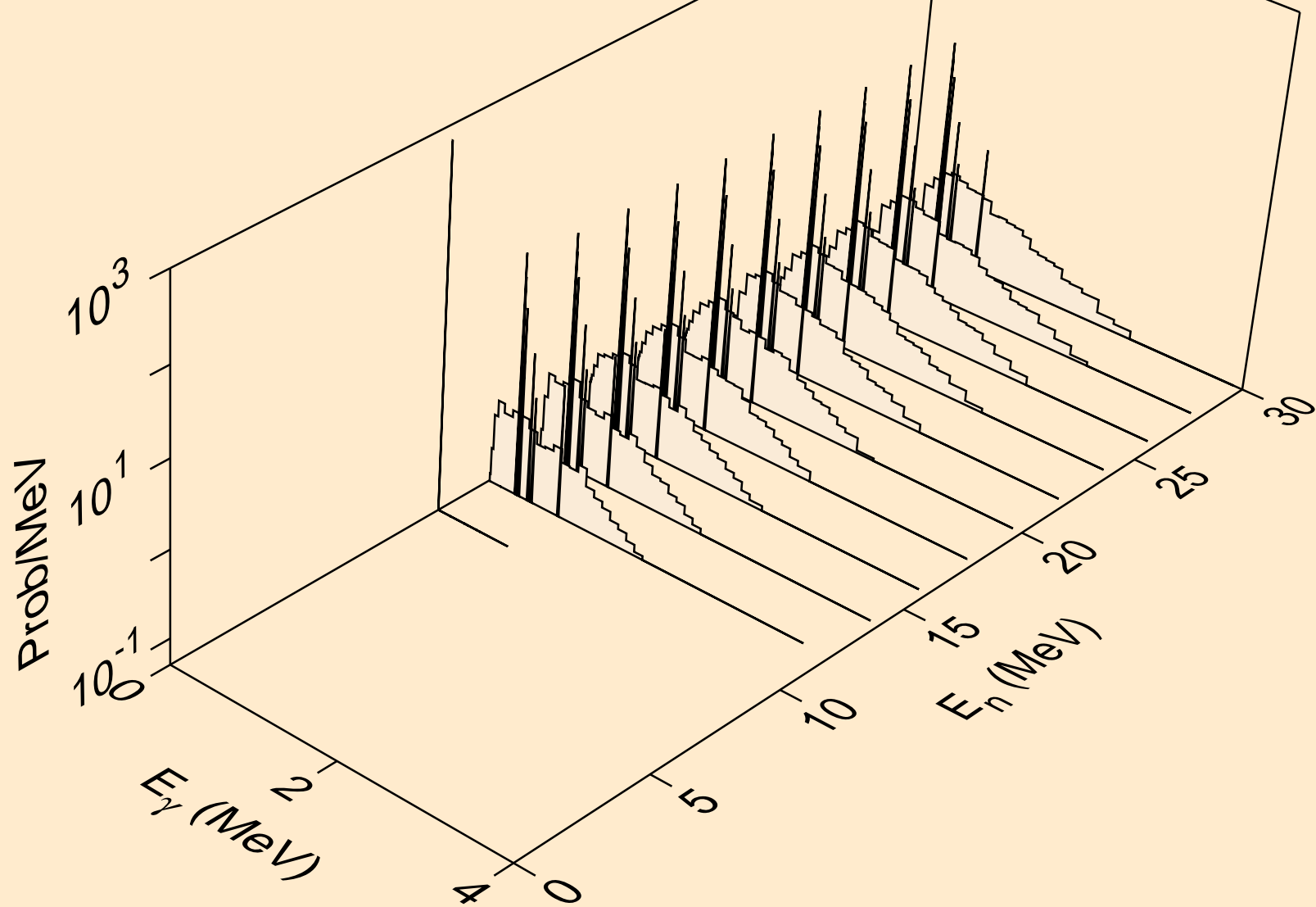
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Photon emission for (n,d)



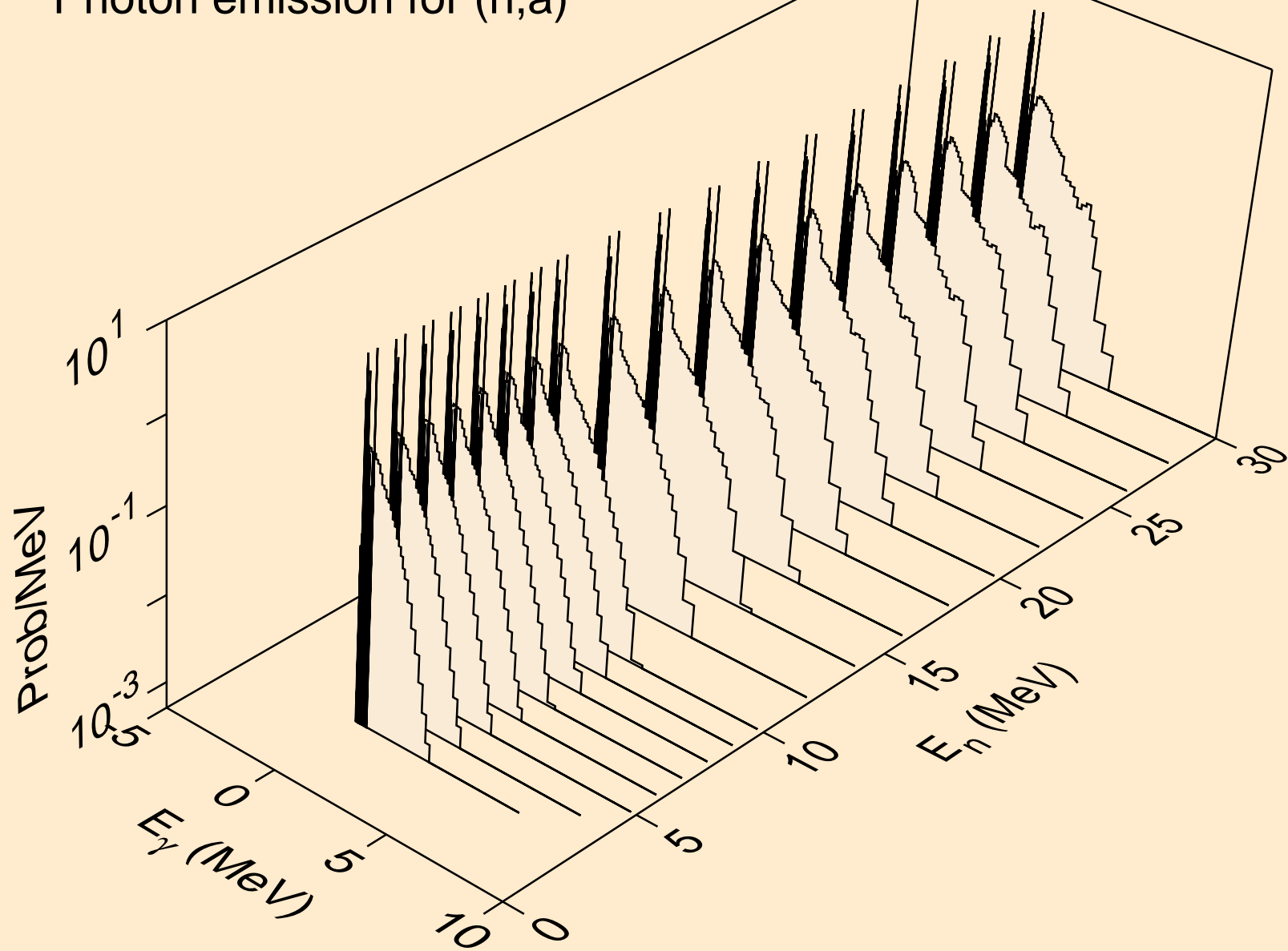
FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,t)



FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,he3)

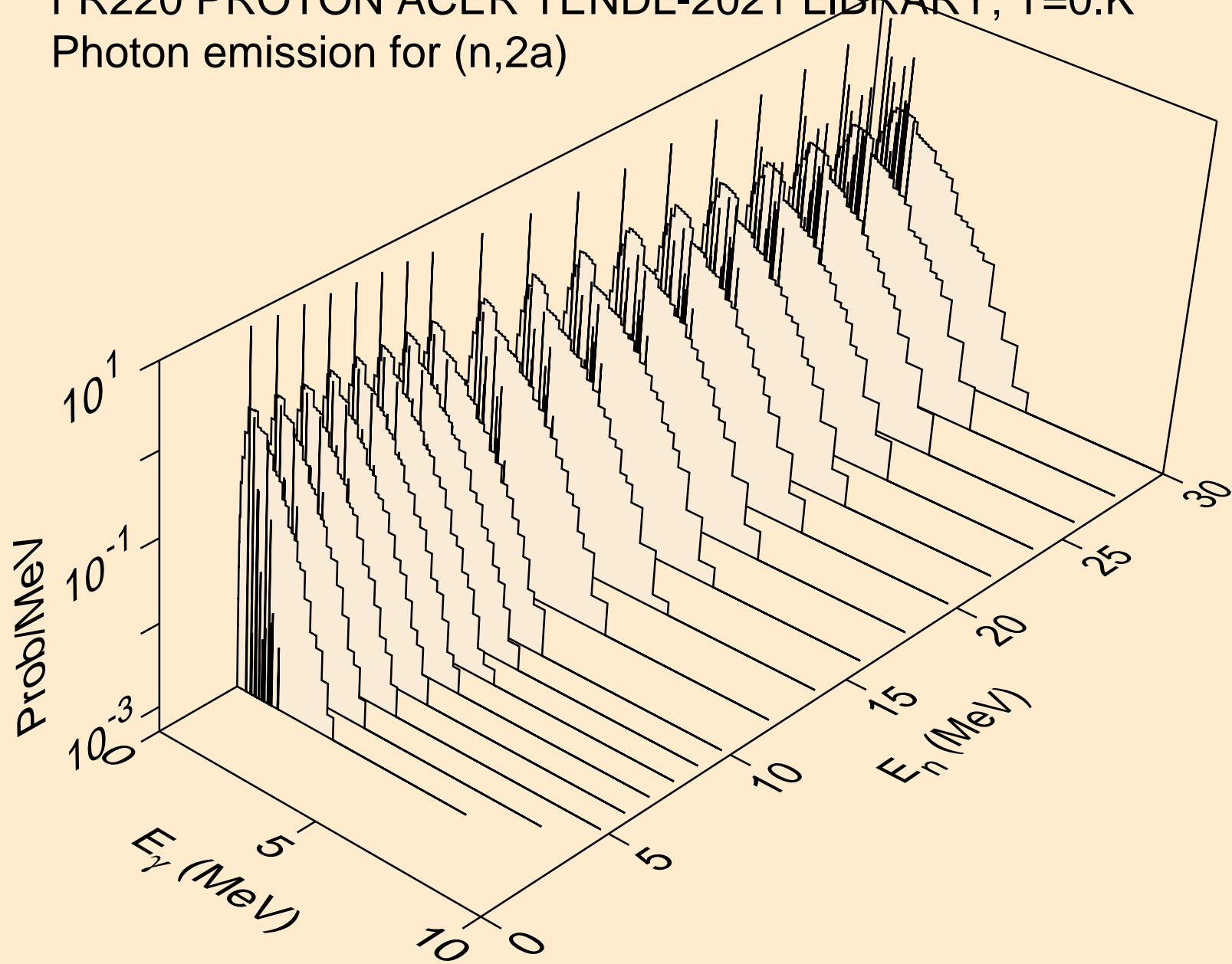


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Photon emission for (n,a)

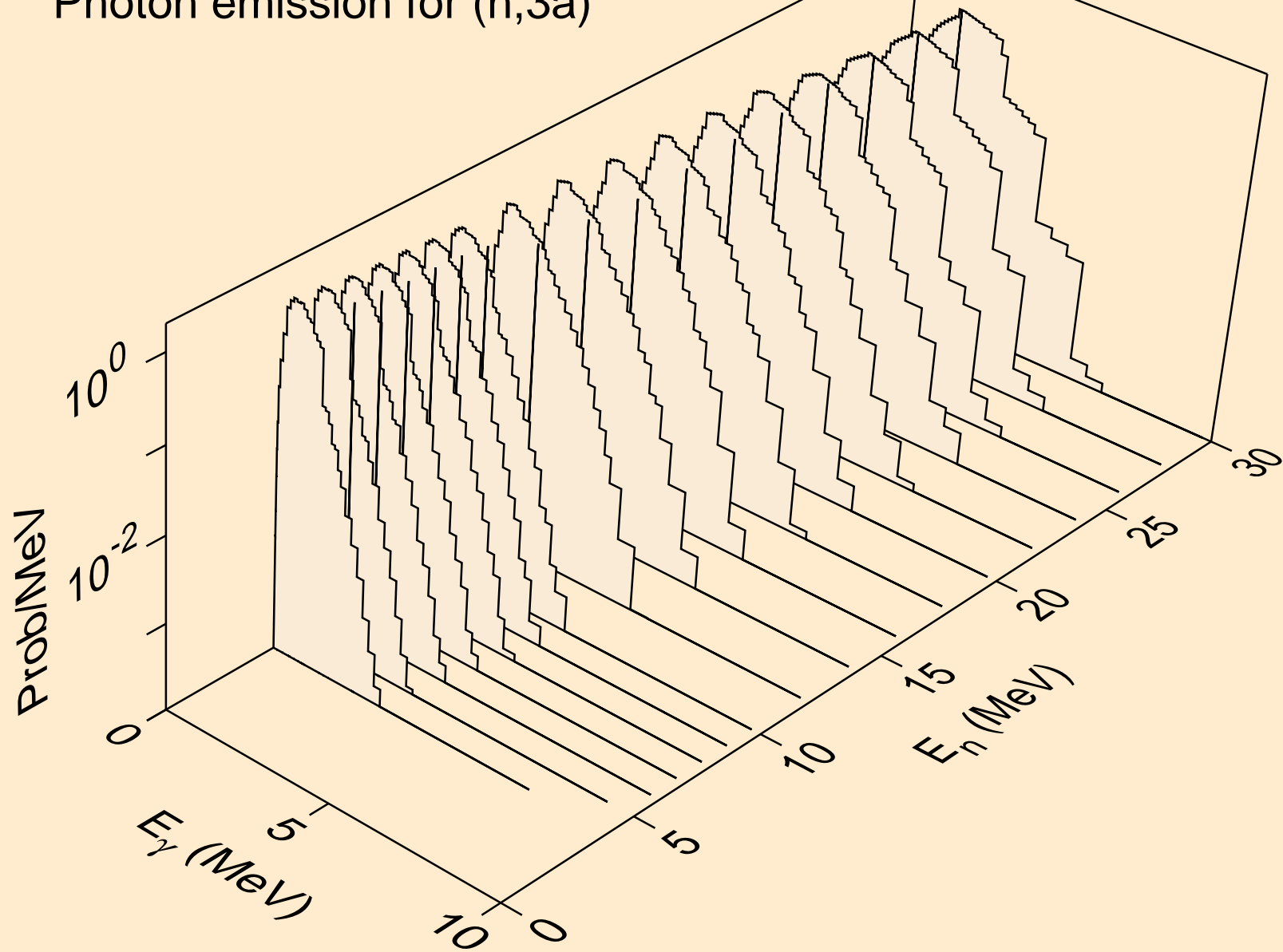




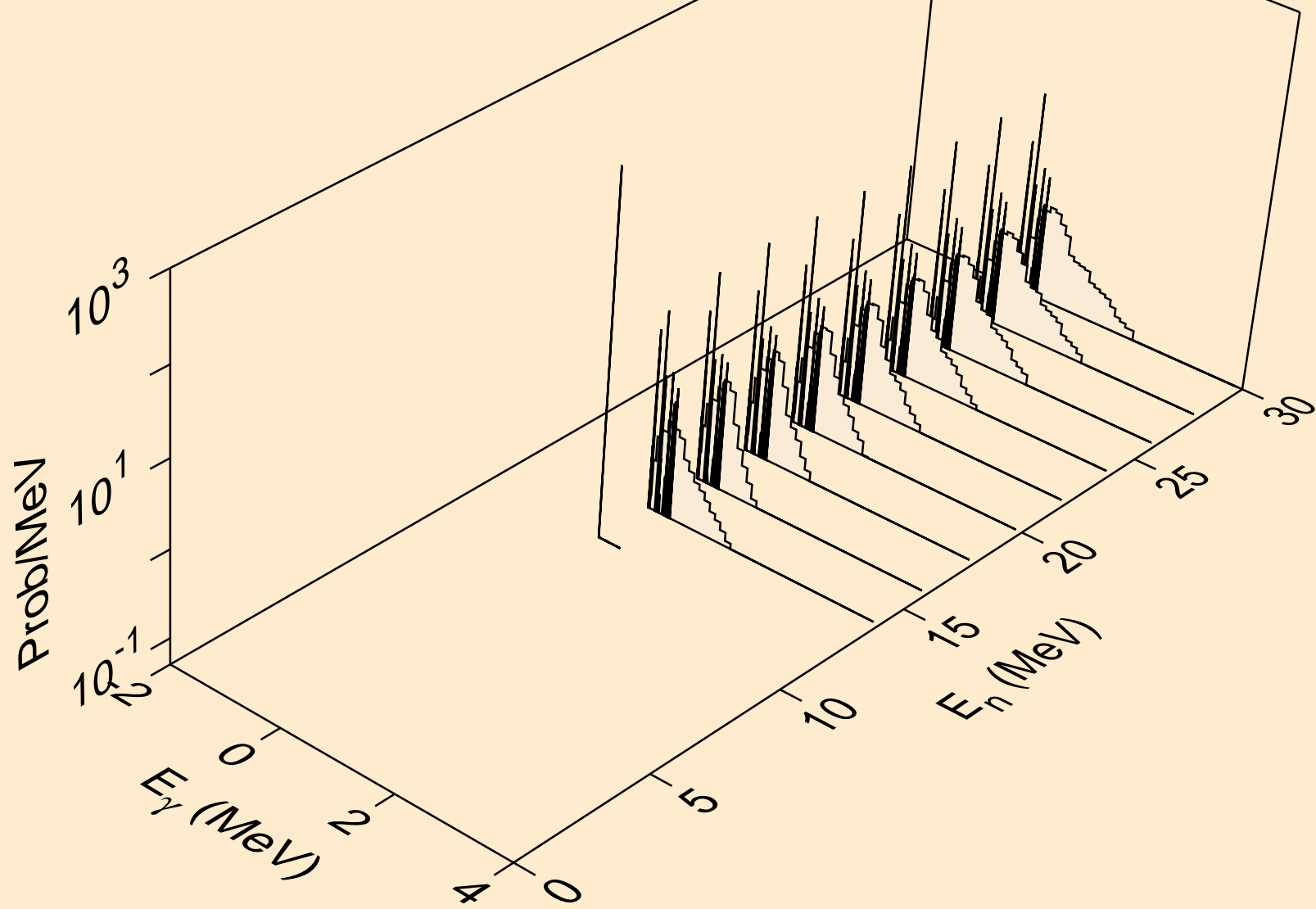
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Photon emission for (n,2a)



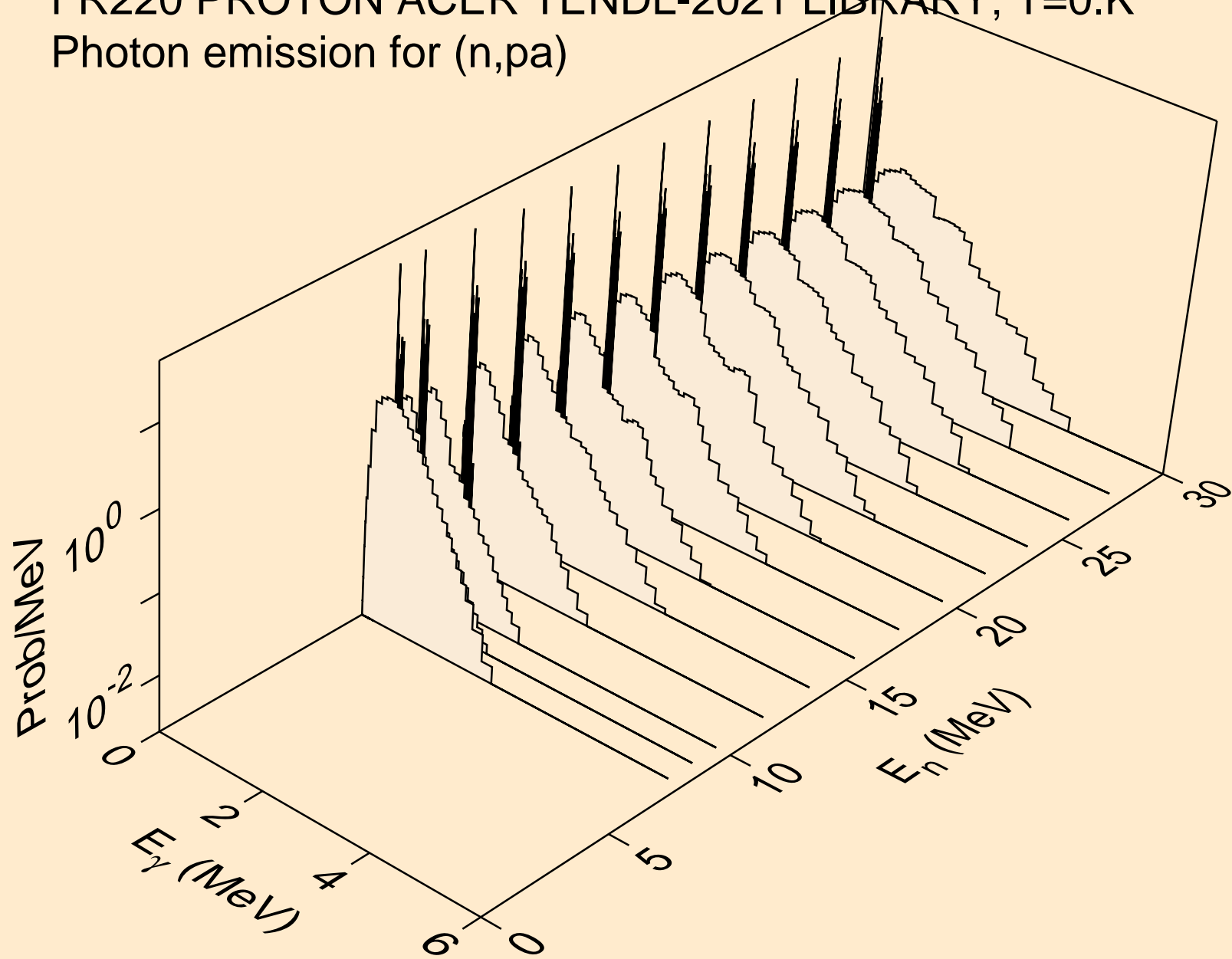
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Photon emission for (n,3a)



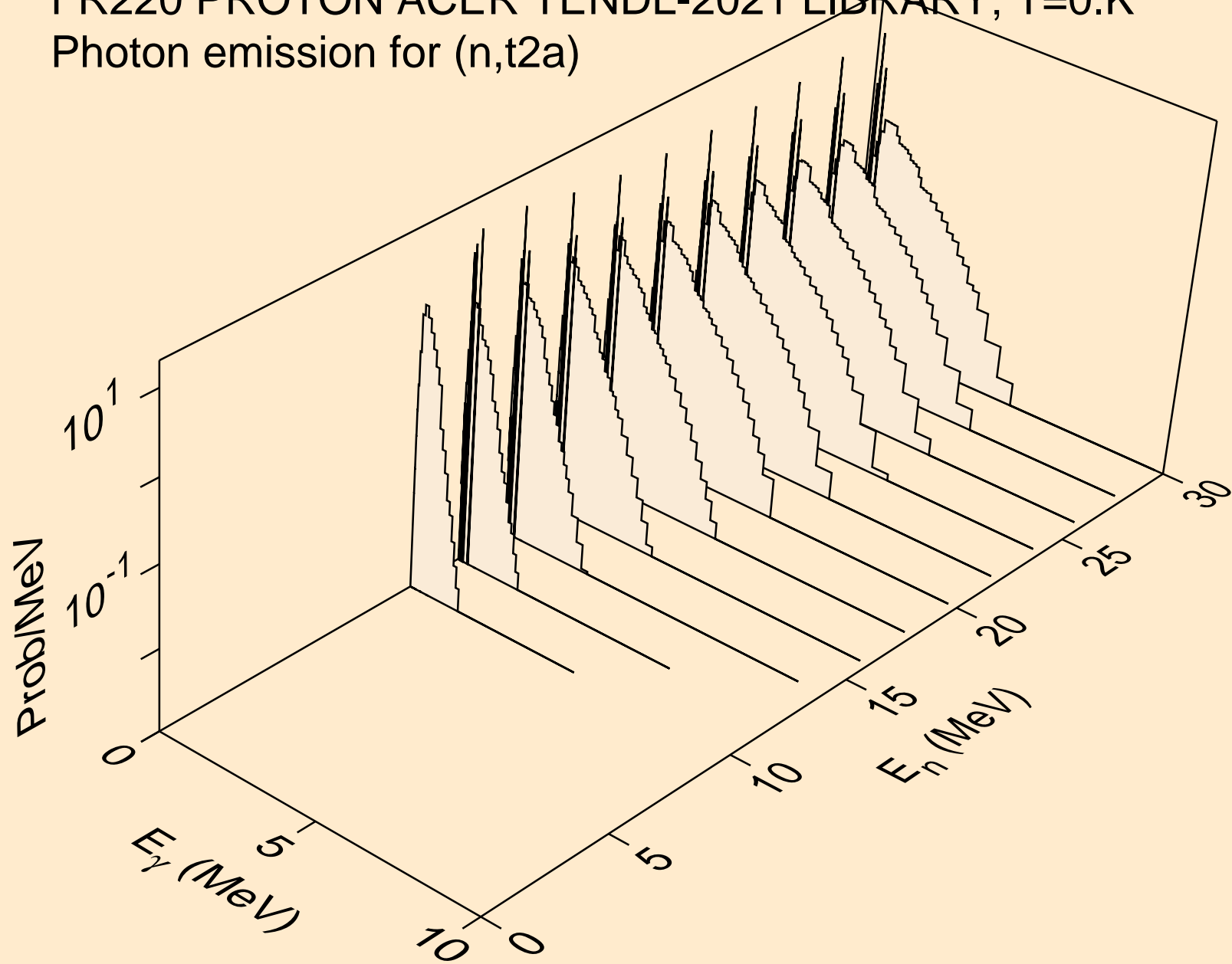
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Photon emission for (n,2p)



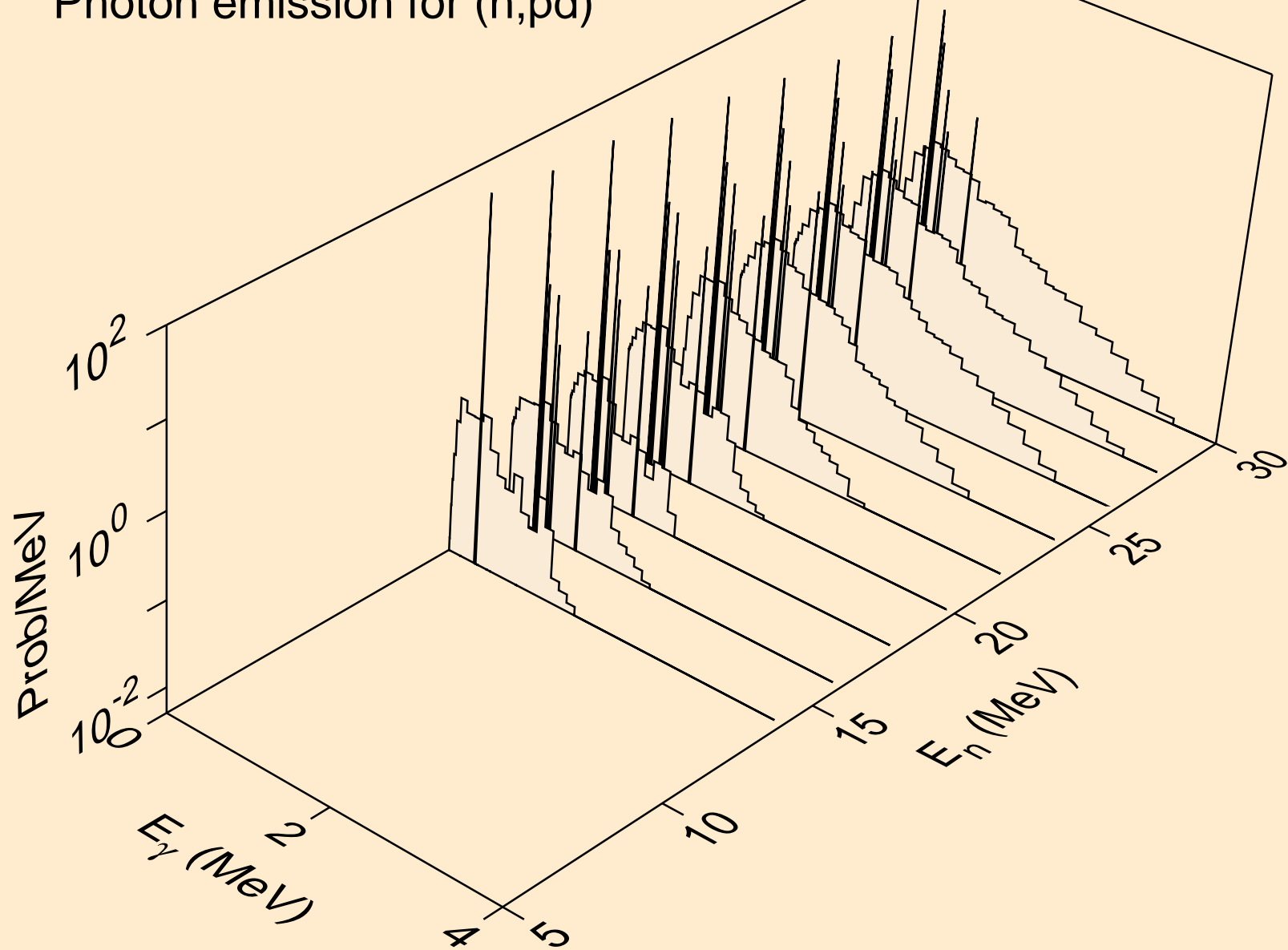
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Photon emission for (n,pa)



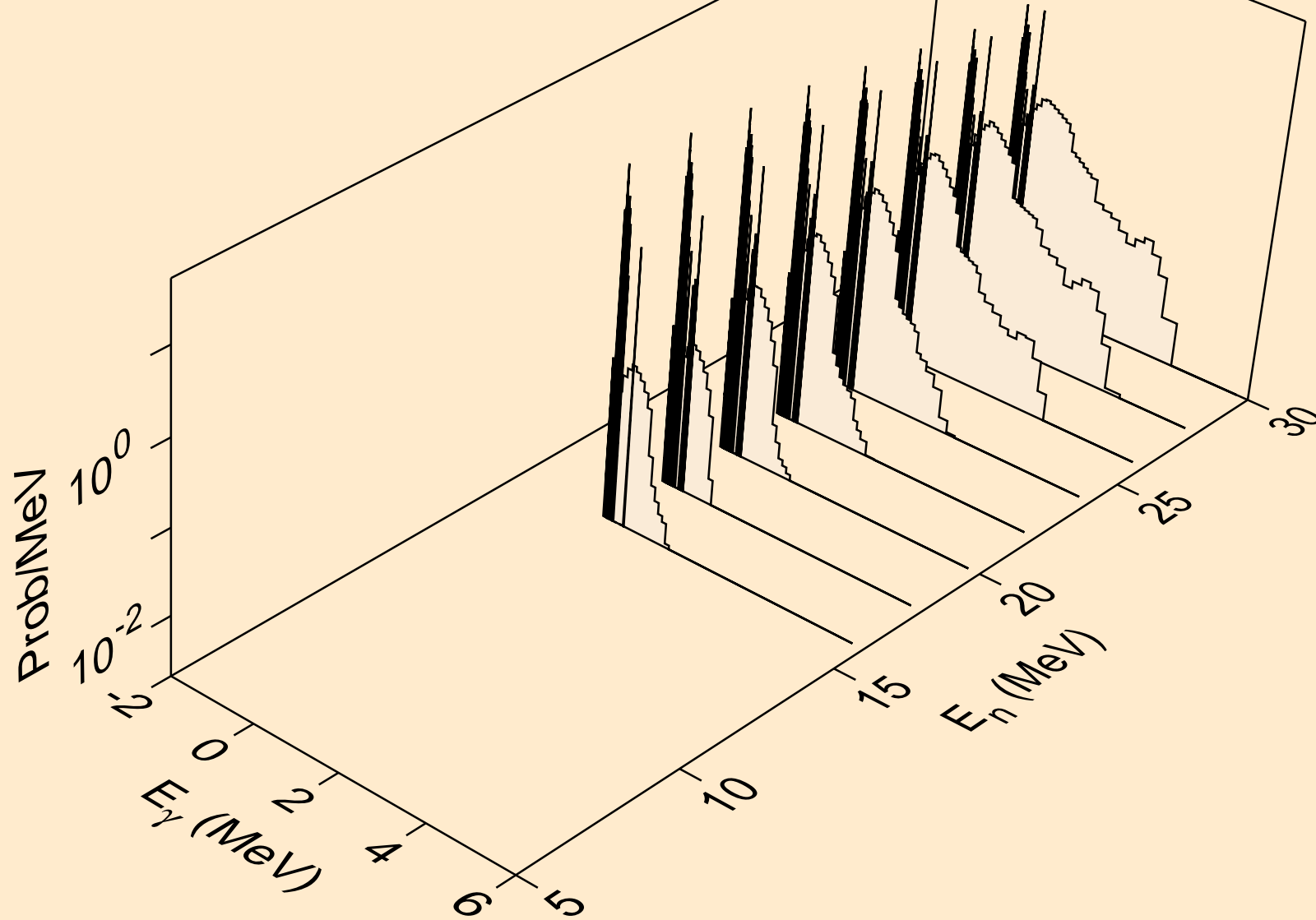
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Photon emission for (n,t2a)



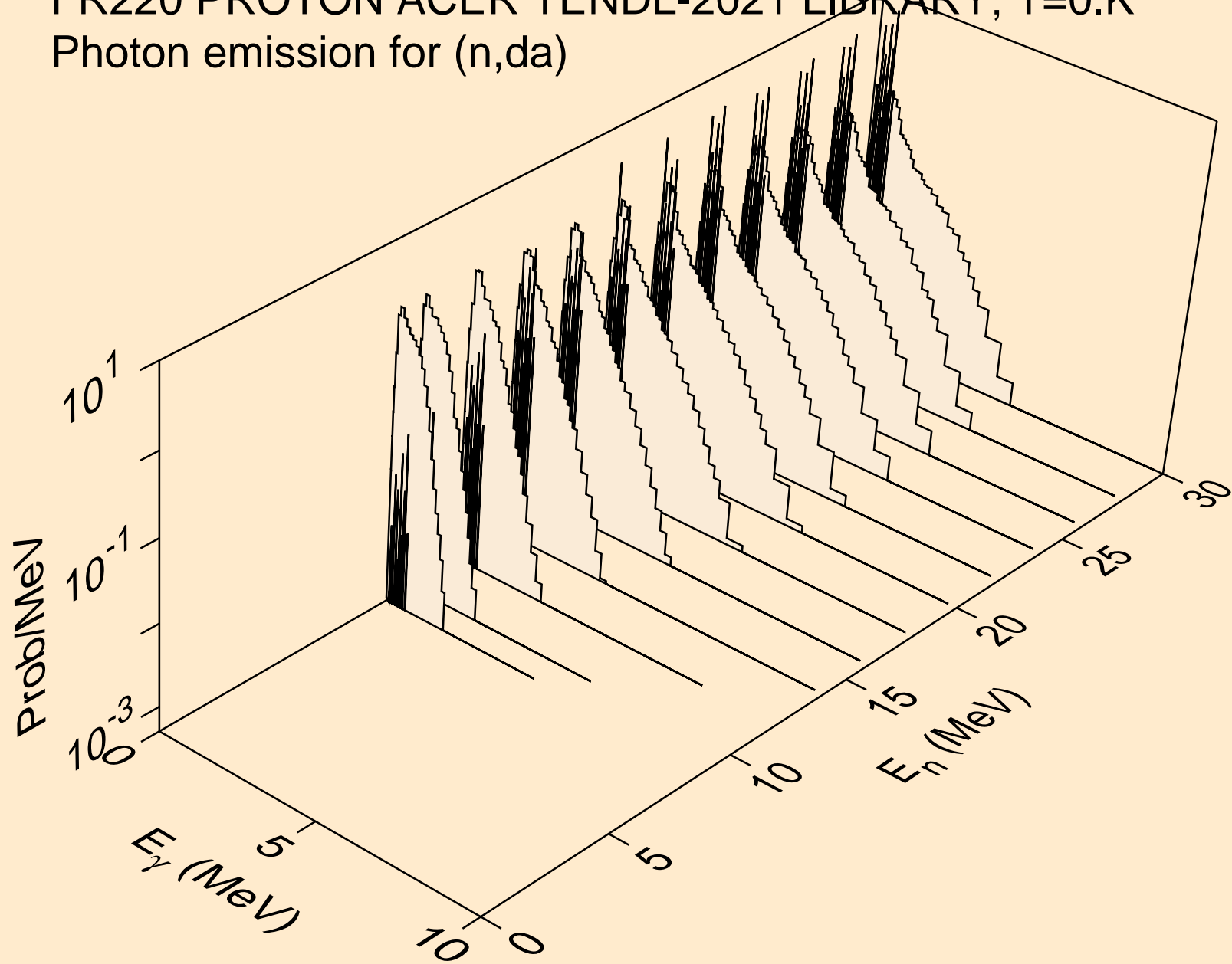
FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pd)



FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Photon emission for (n,pt)

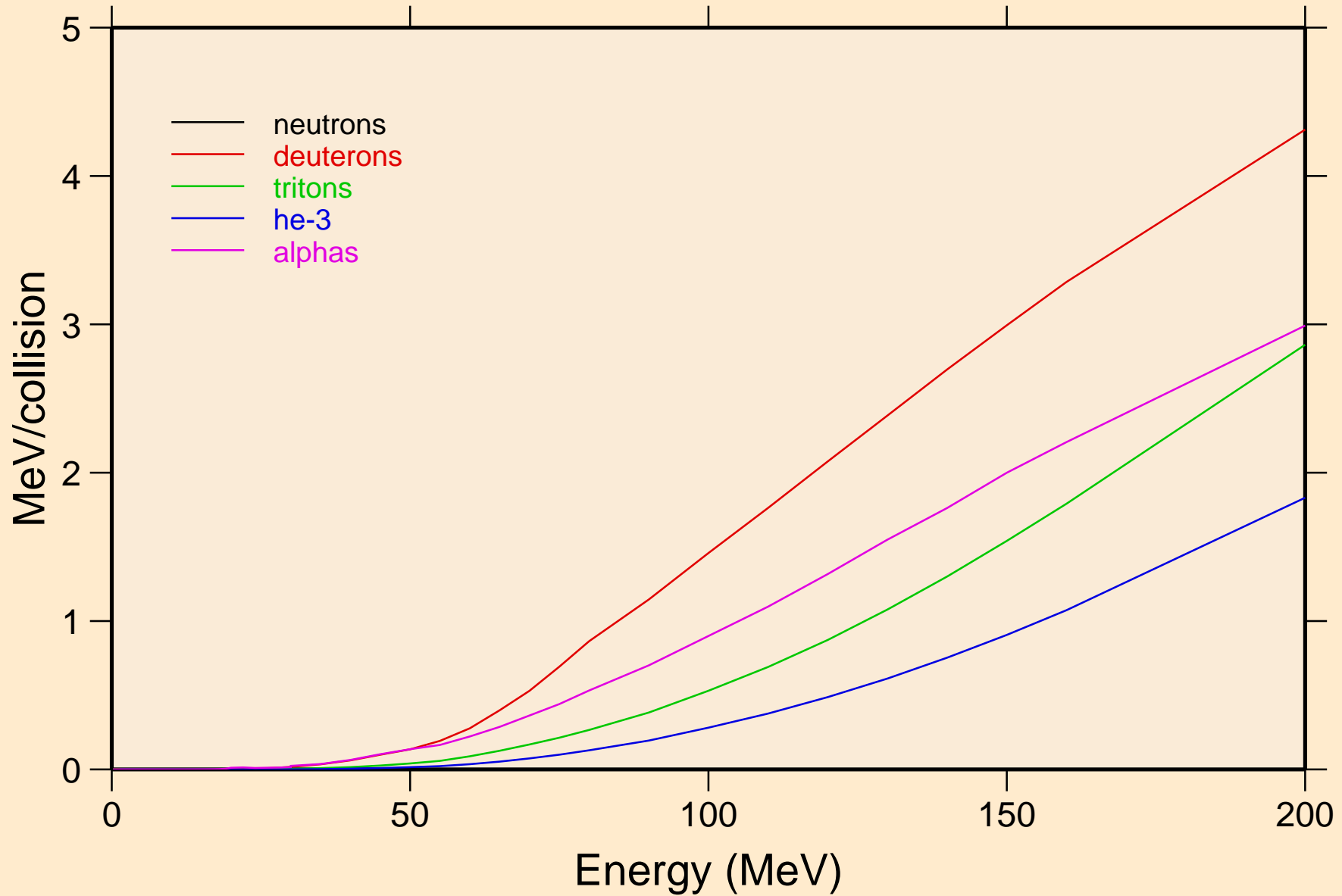


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Photon emission for (n,da)

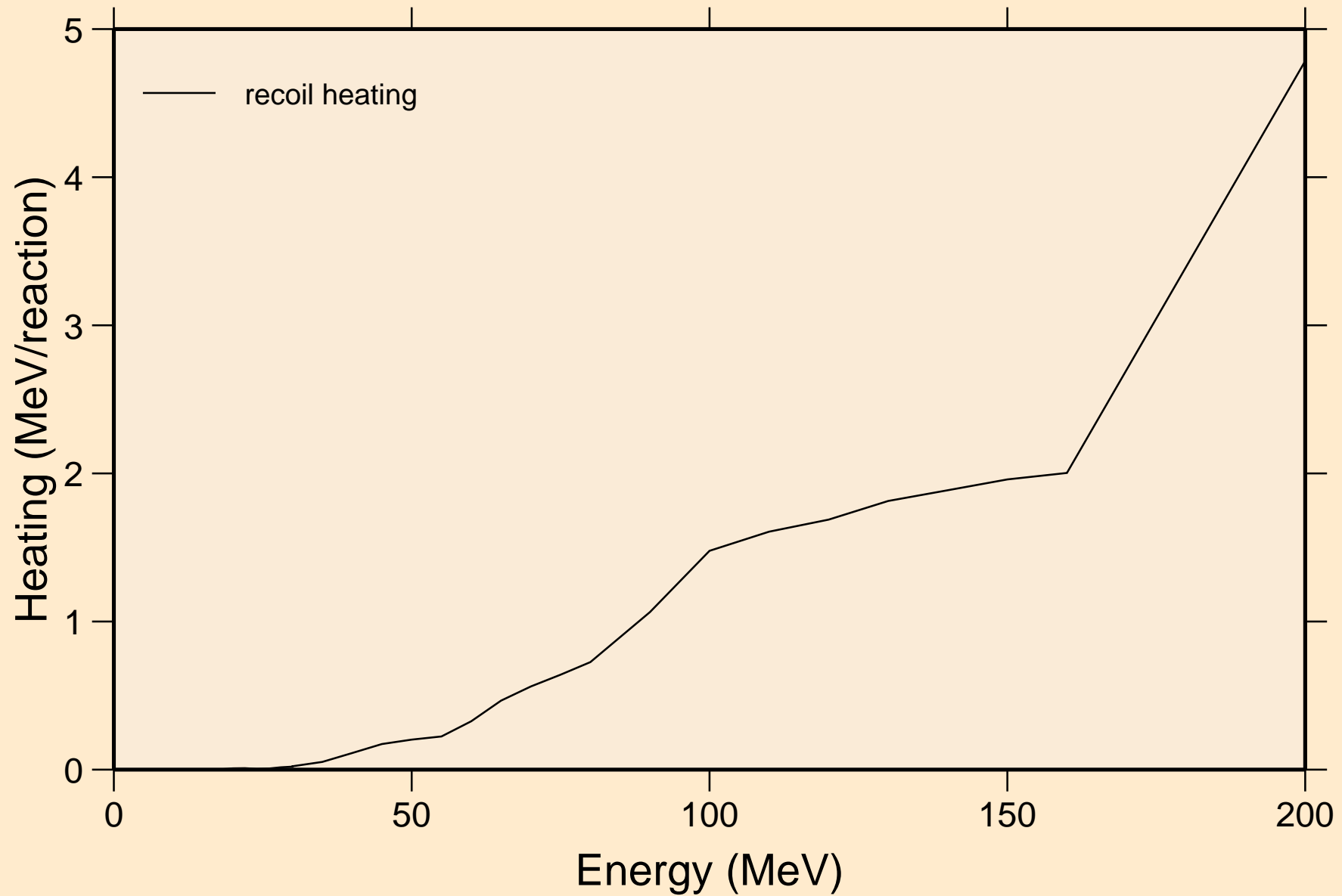




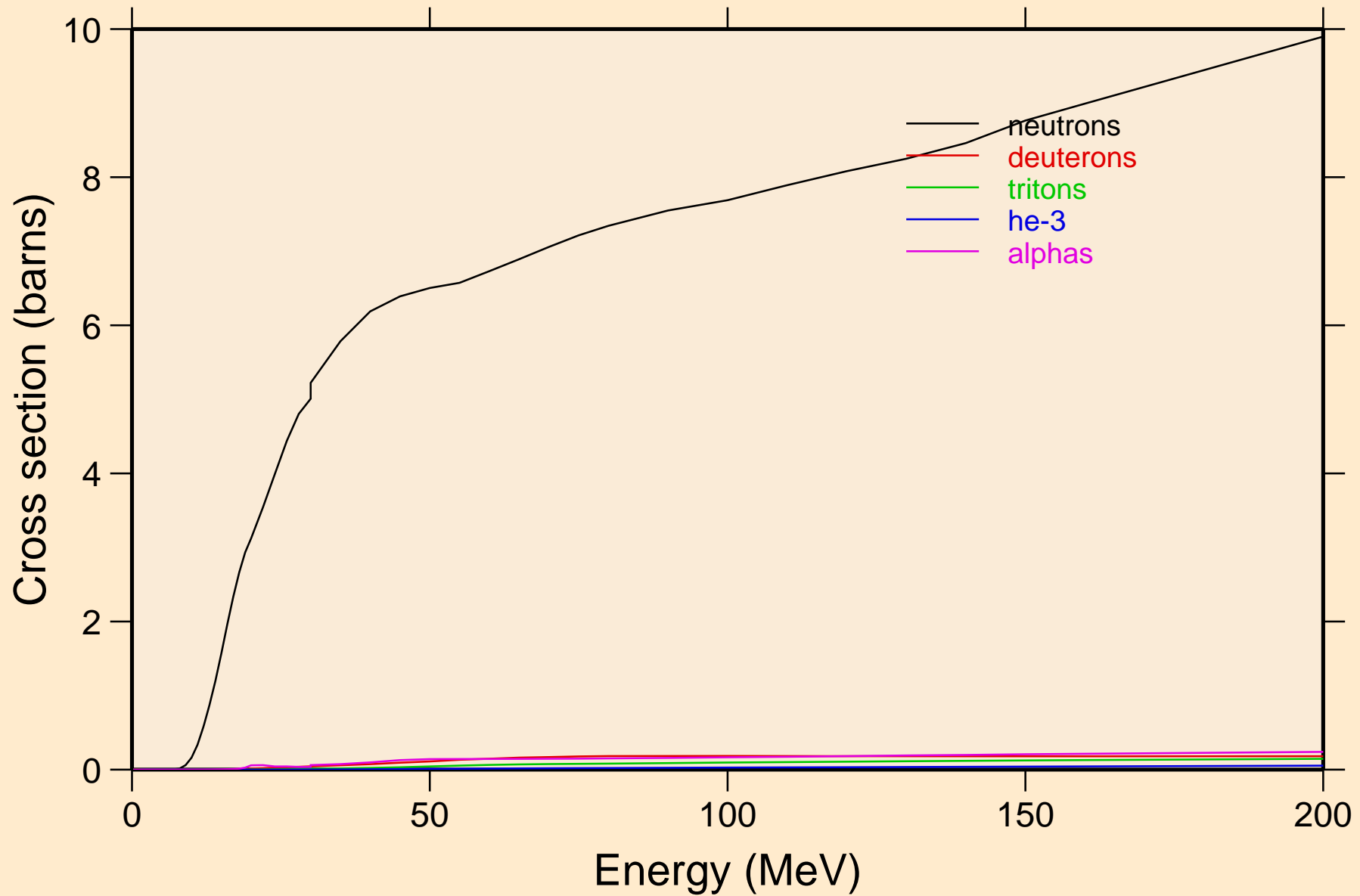
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Particle heating contributions



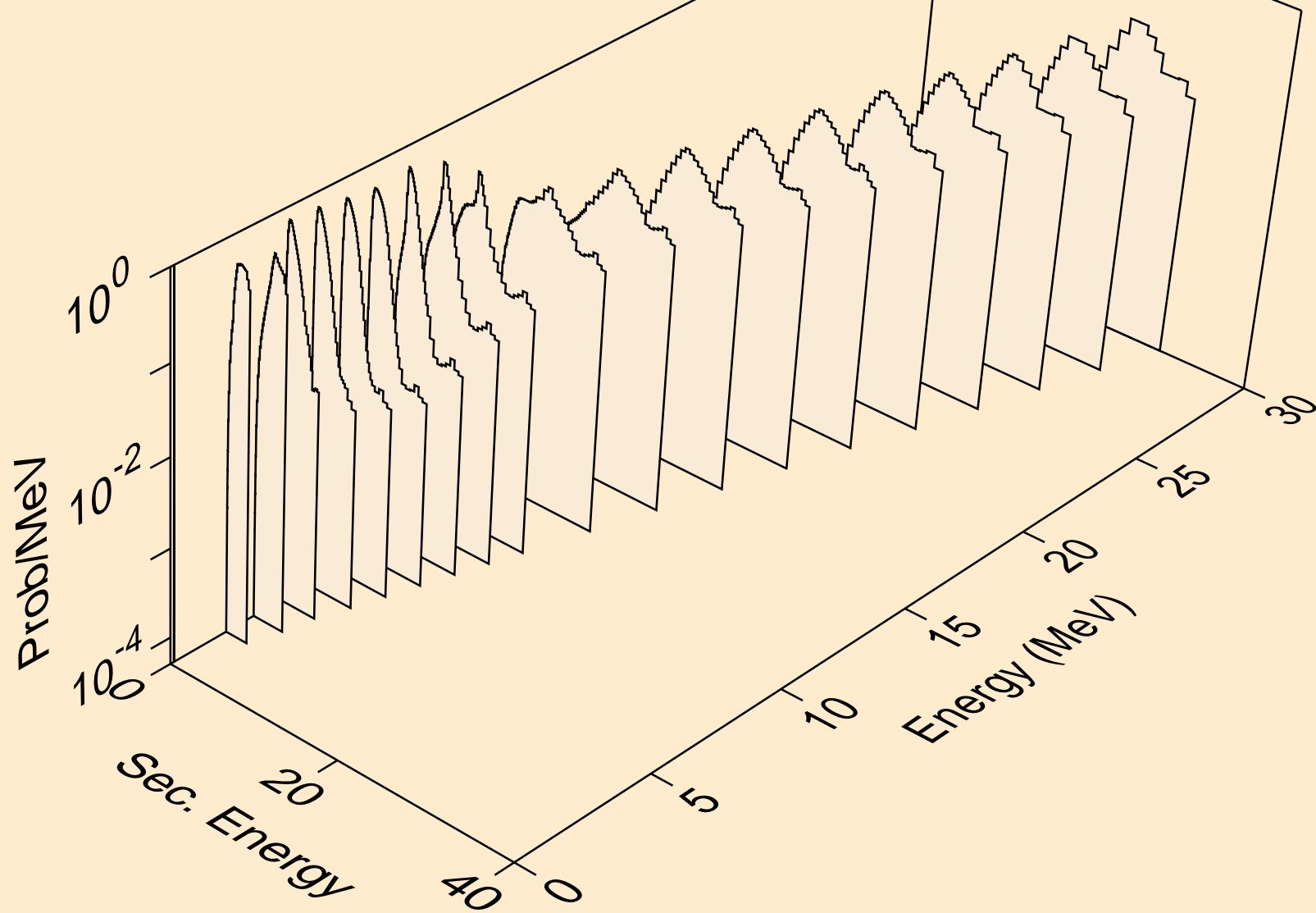
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Recoil Heating



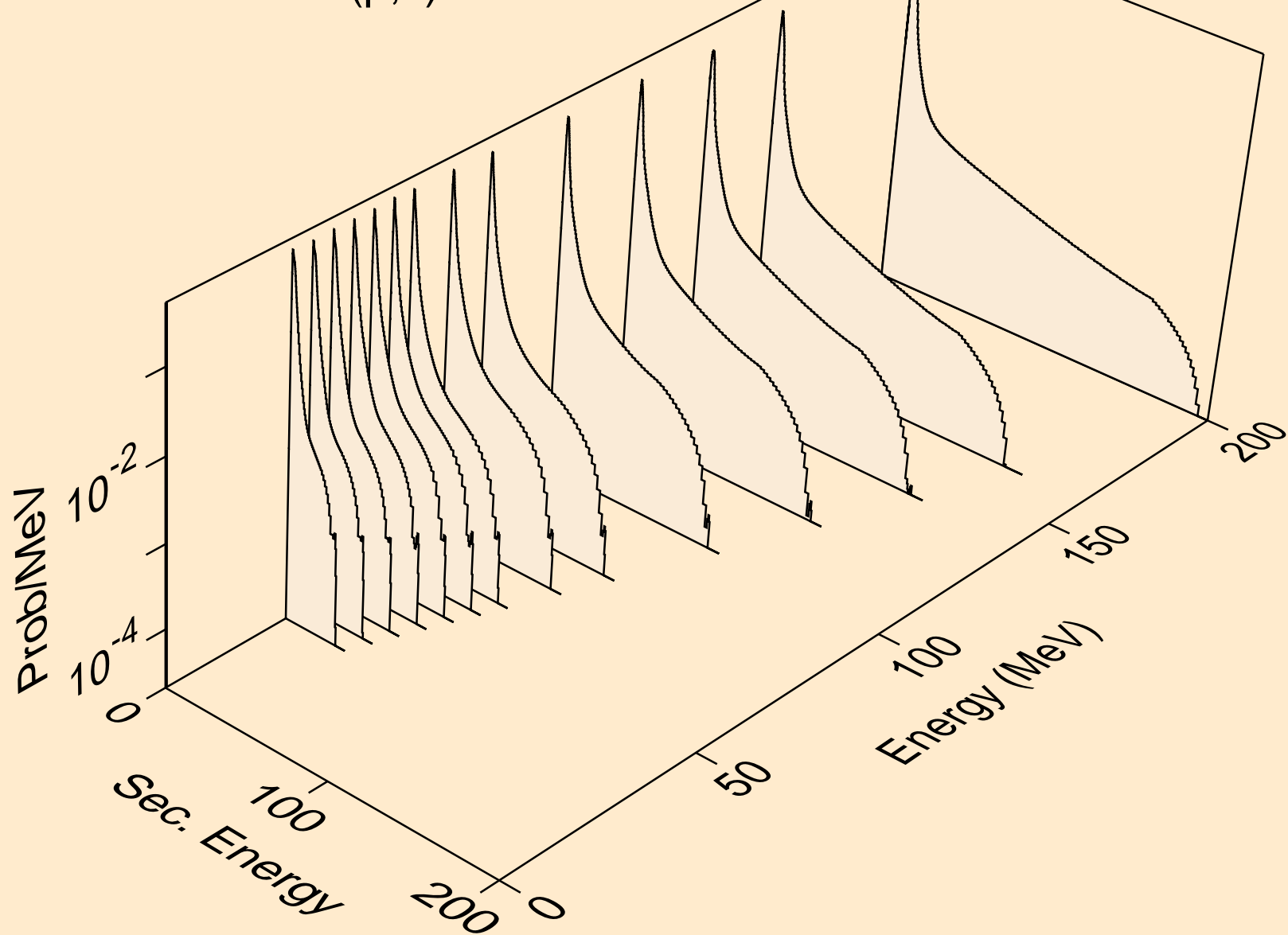
FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
Particle production cross sections



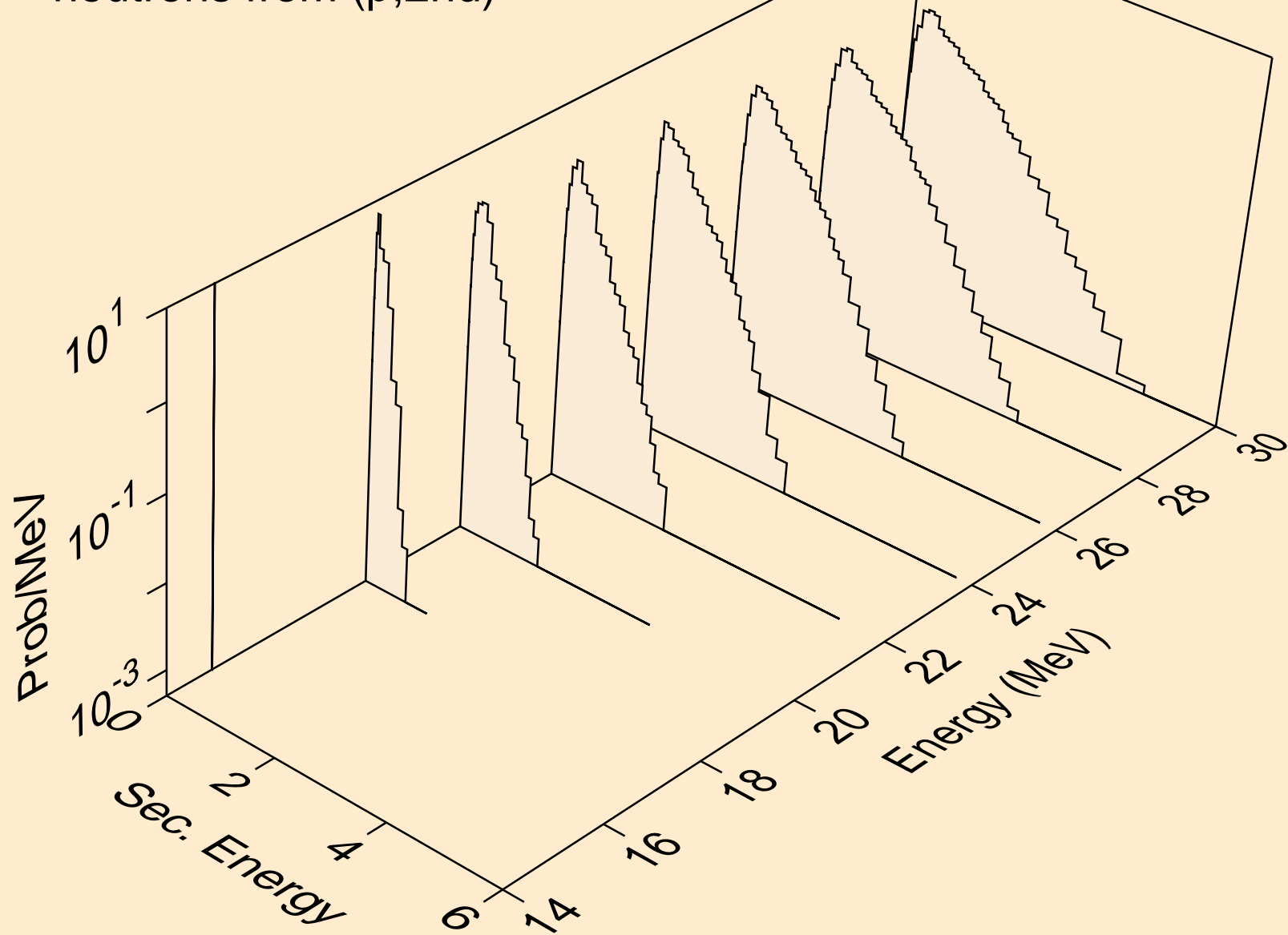
FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n)



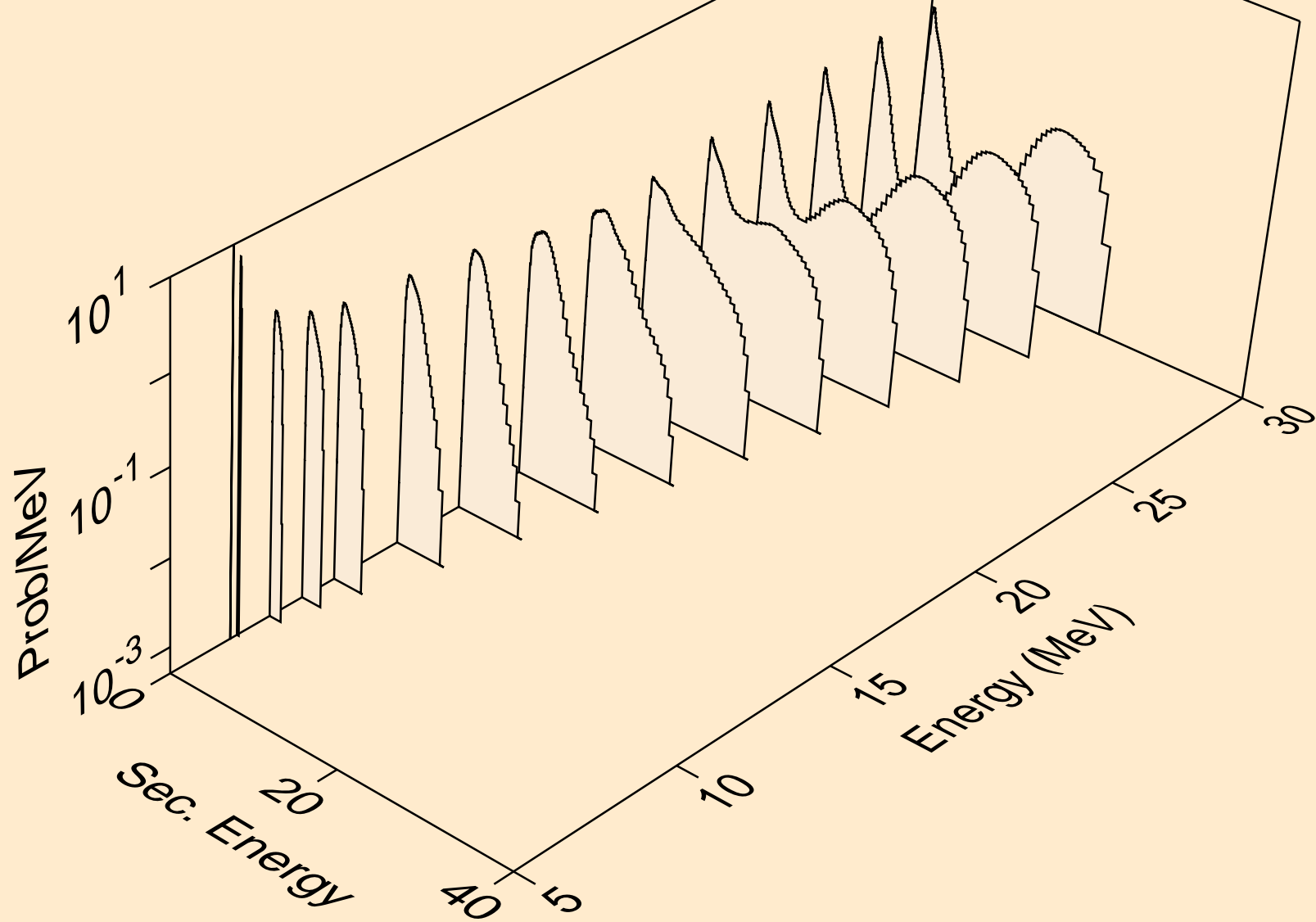
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neutrons from (p,x)



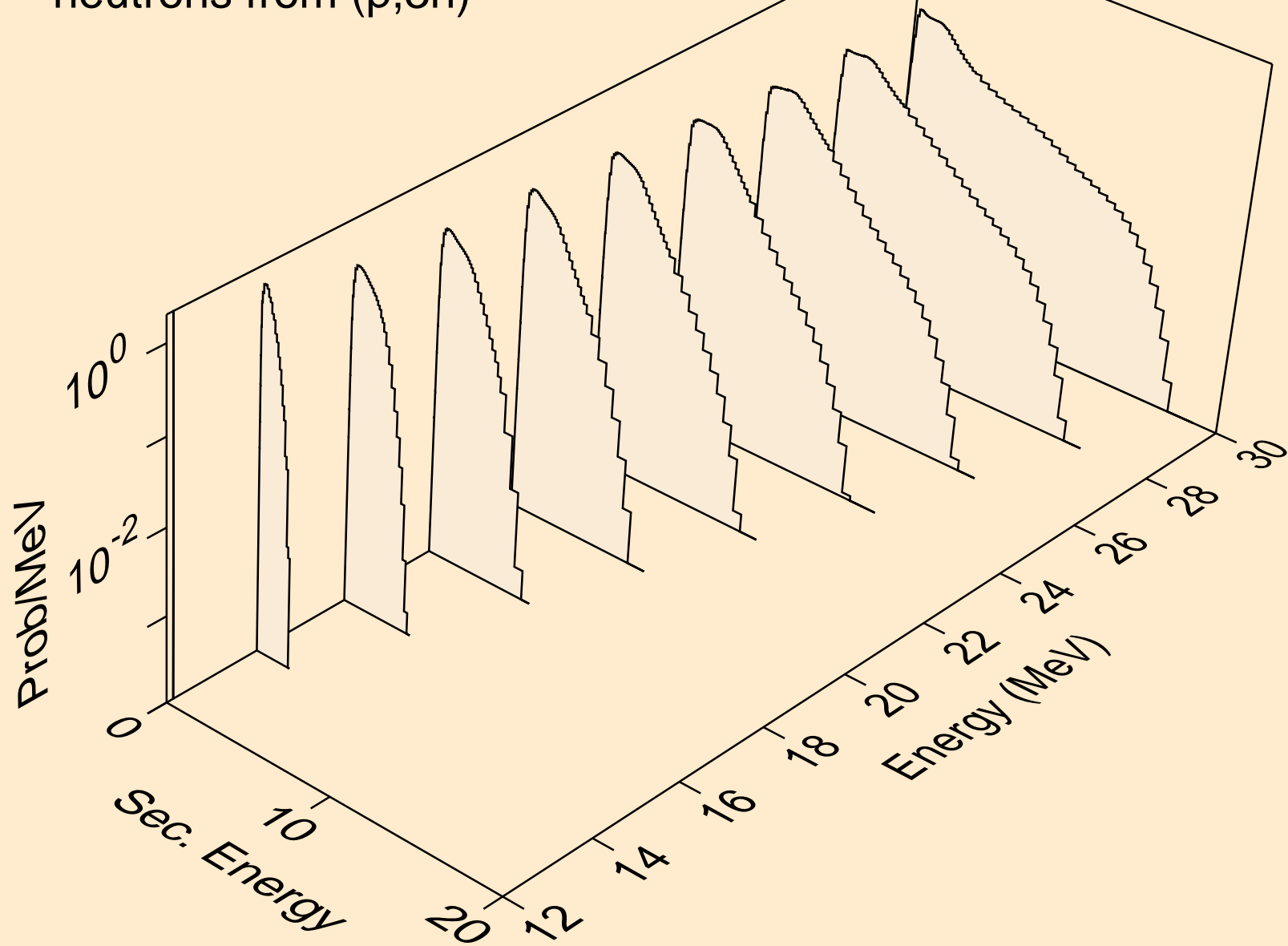
FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2nd)



FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2n)

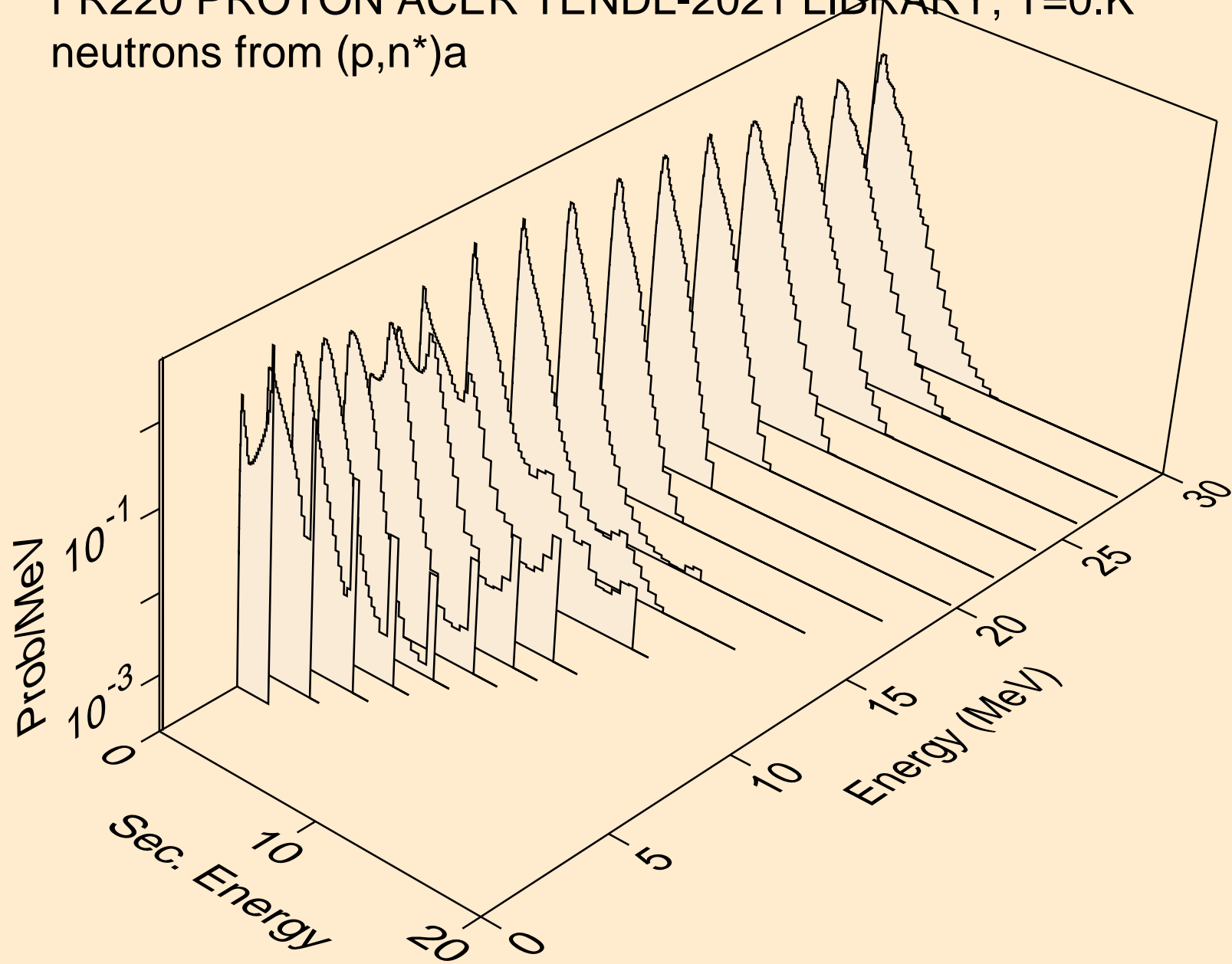


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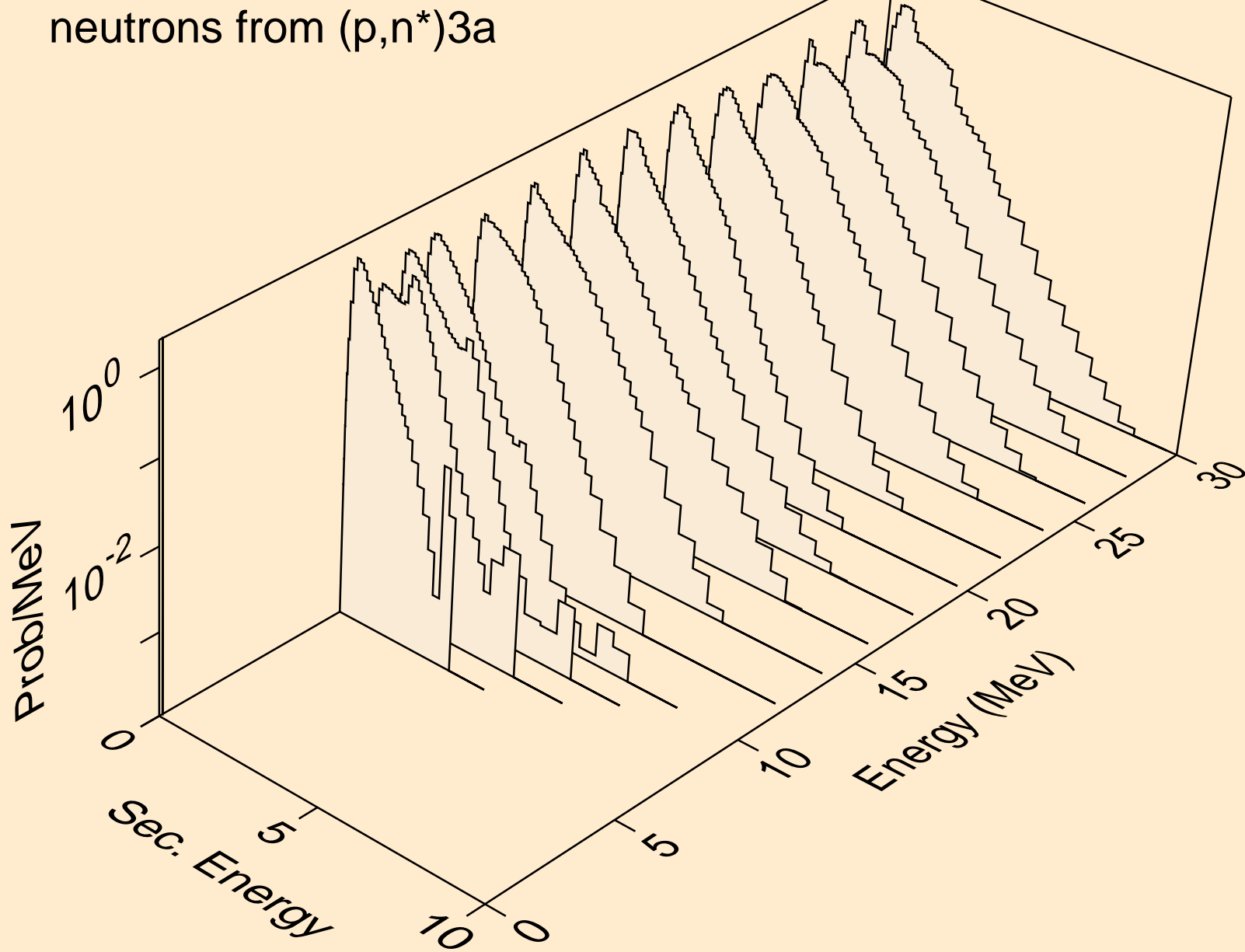




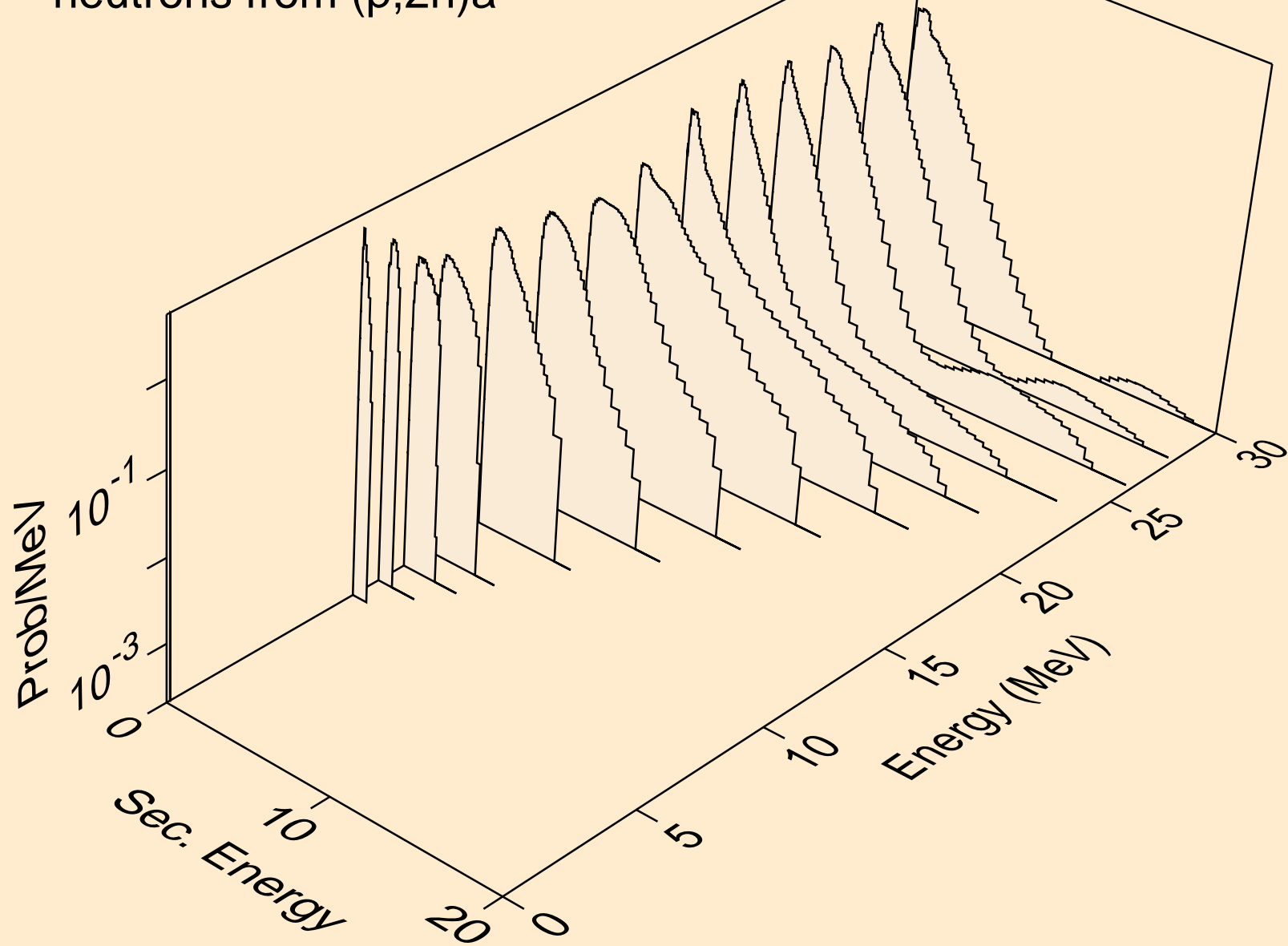
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neutrons from (p,n\*)a



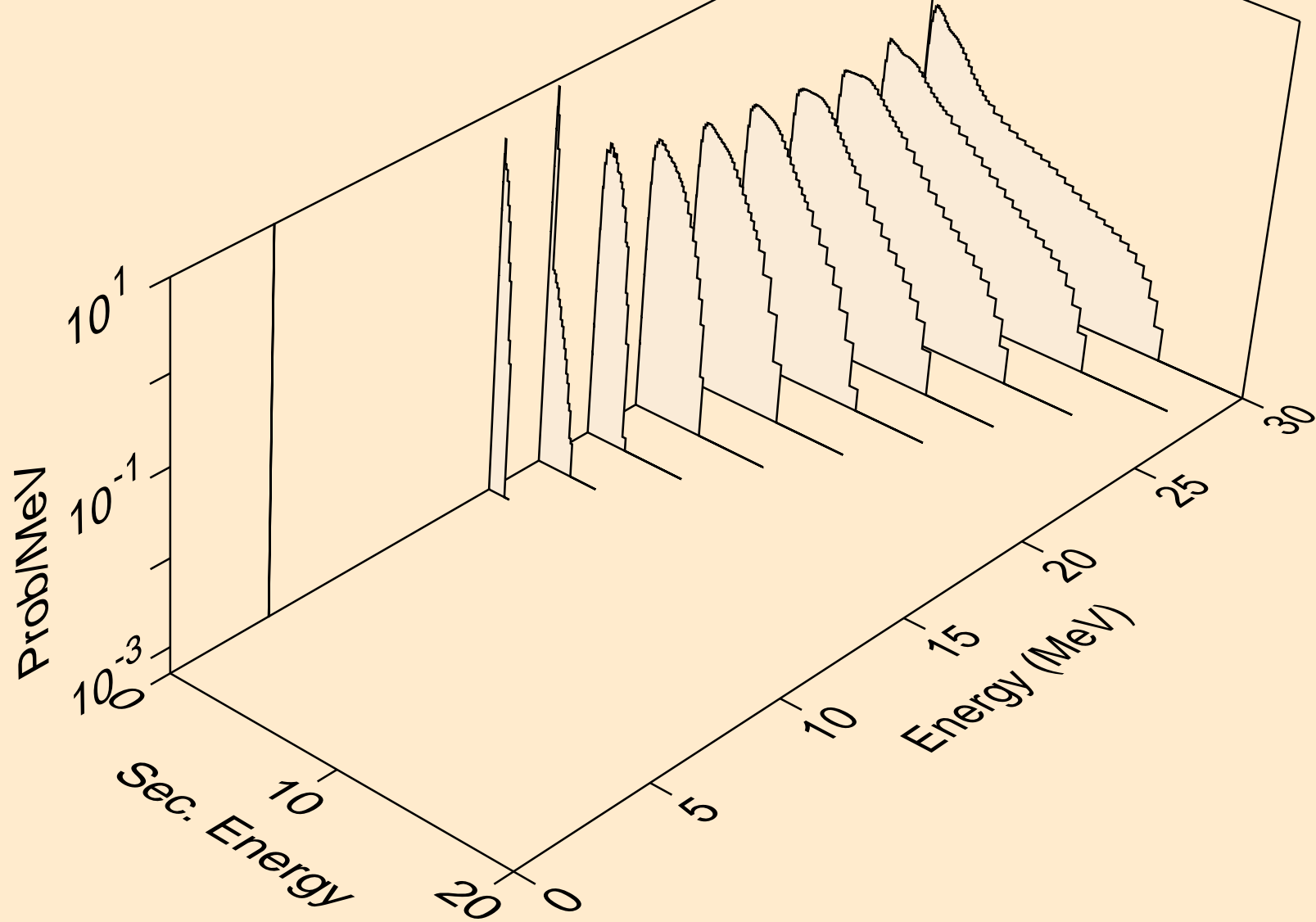
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neutrons from (p,n\*)3a



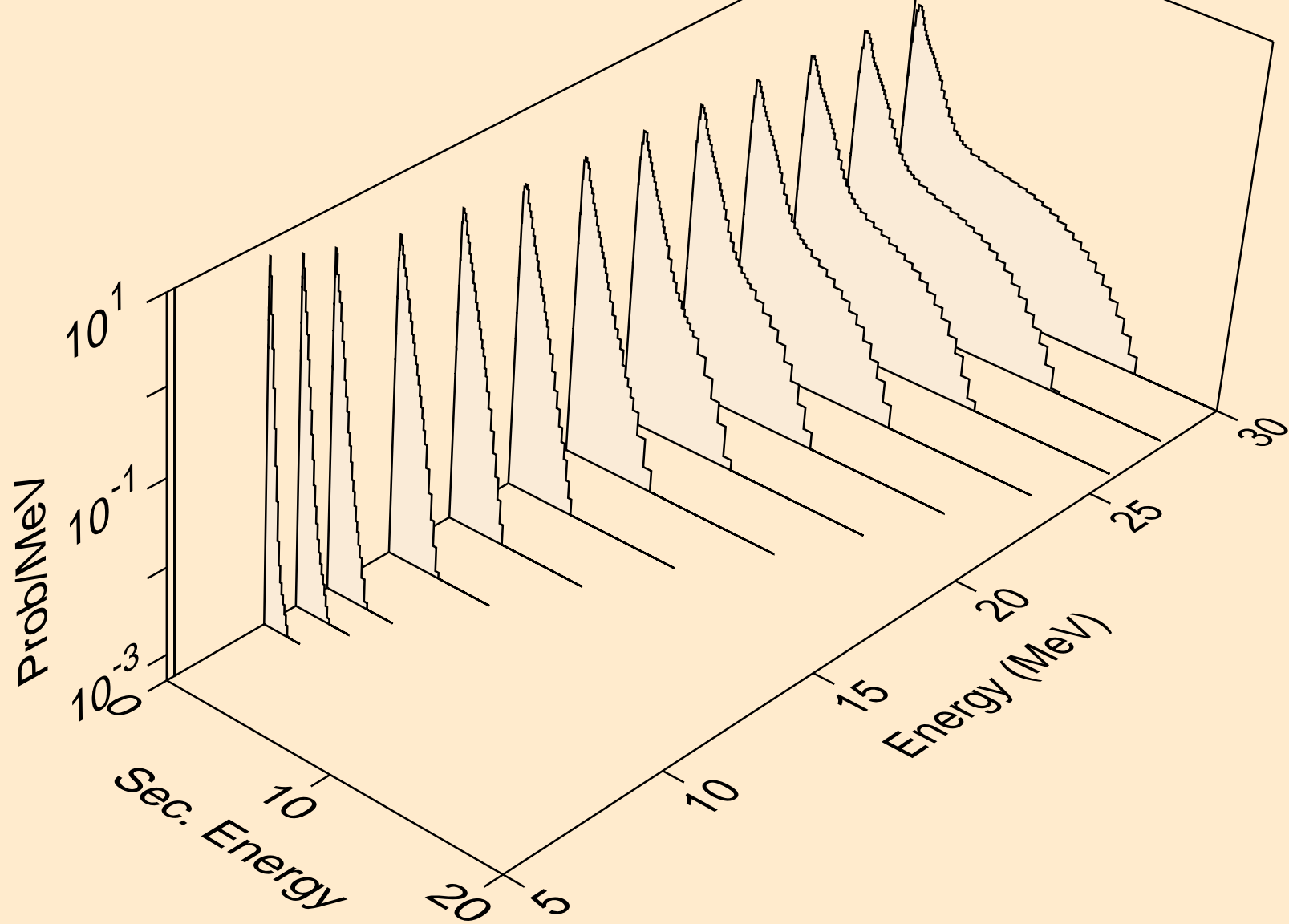
FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2n)a



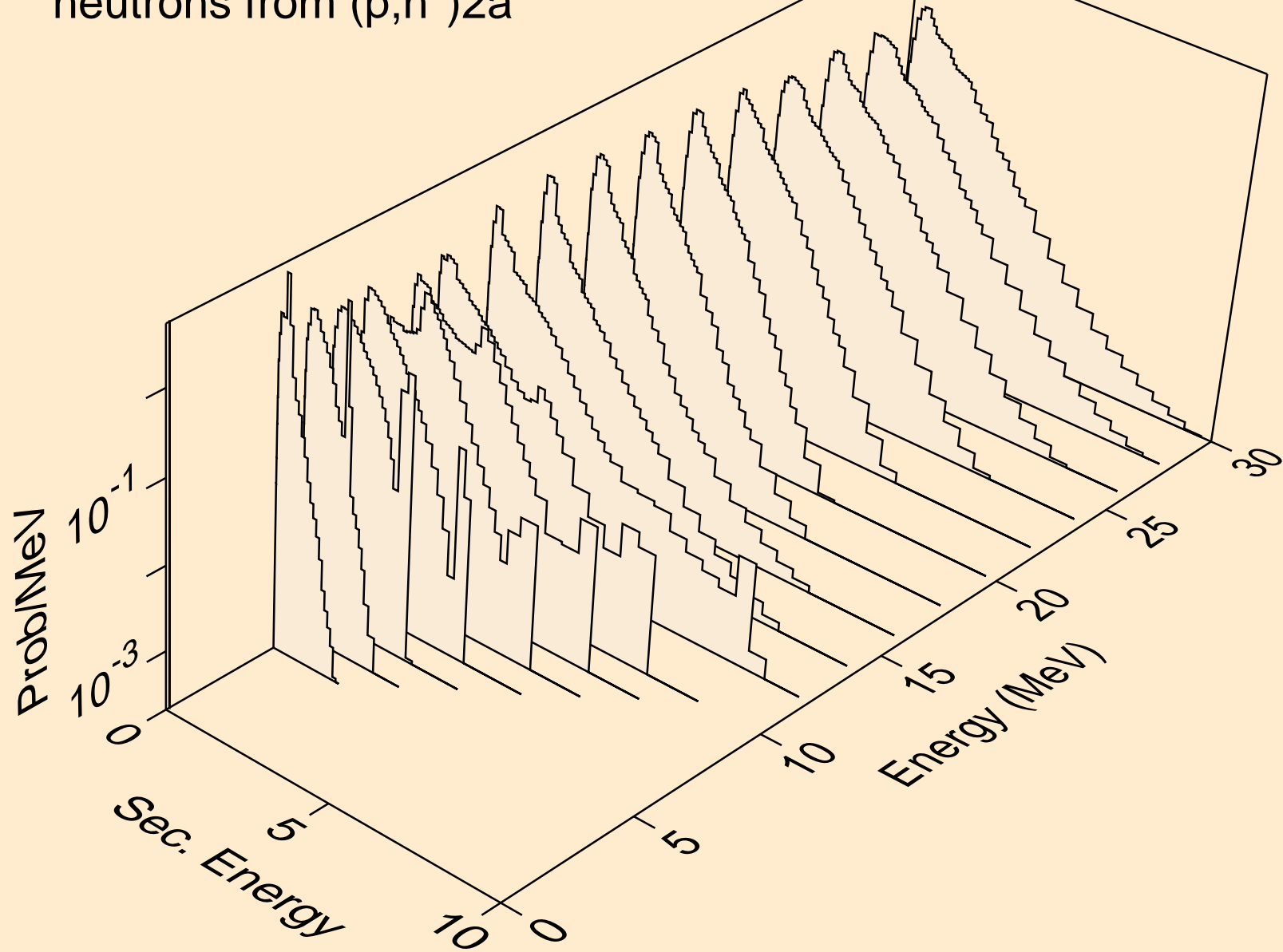
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neutrons from (p,3n)a



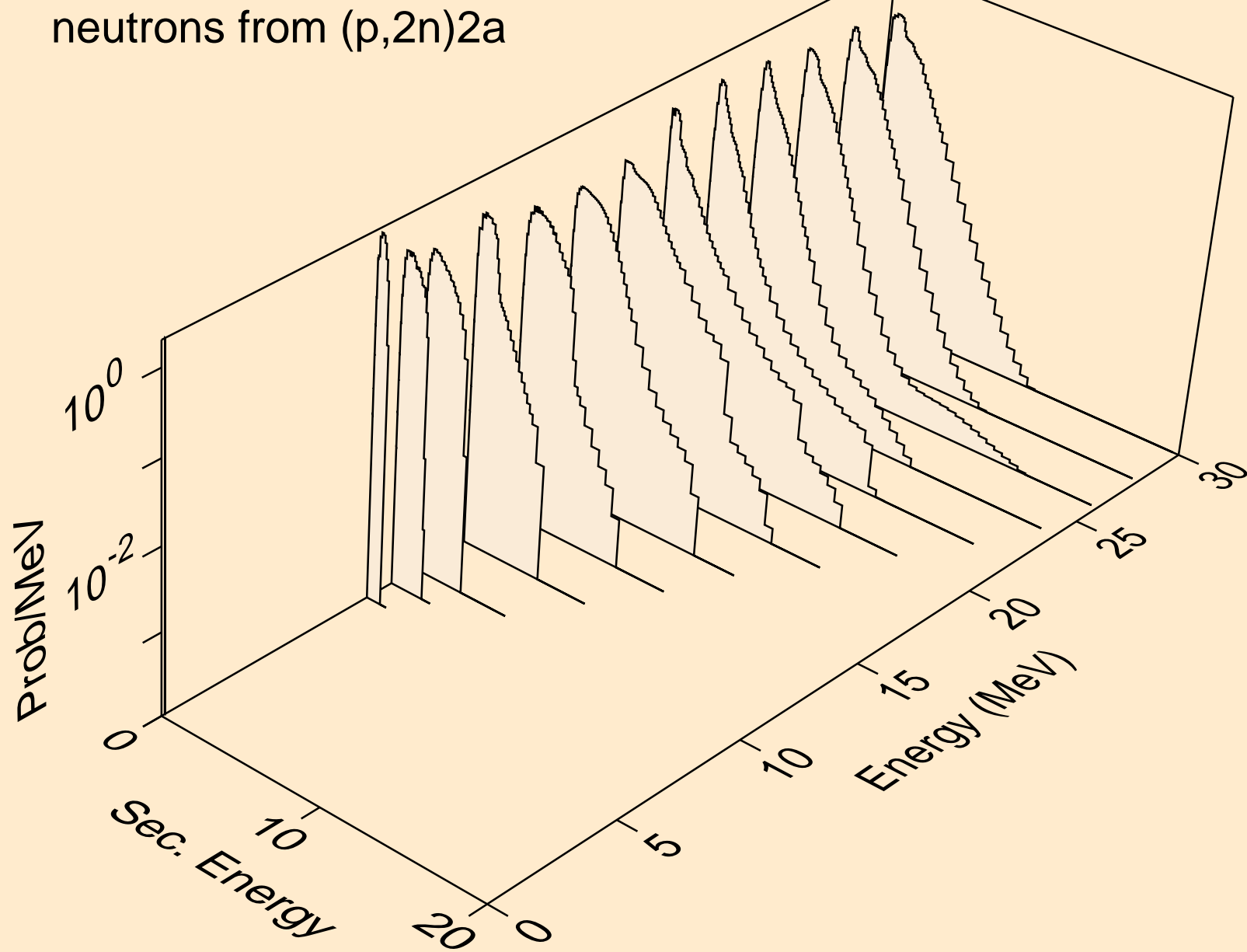
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neutrons from (p,n\*)p



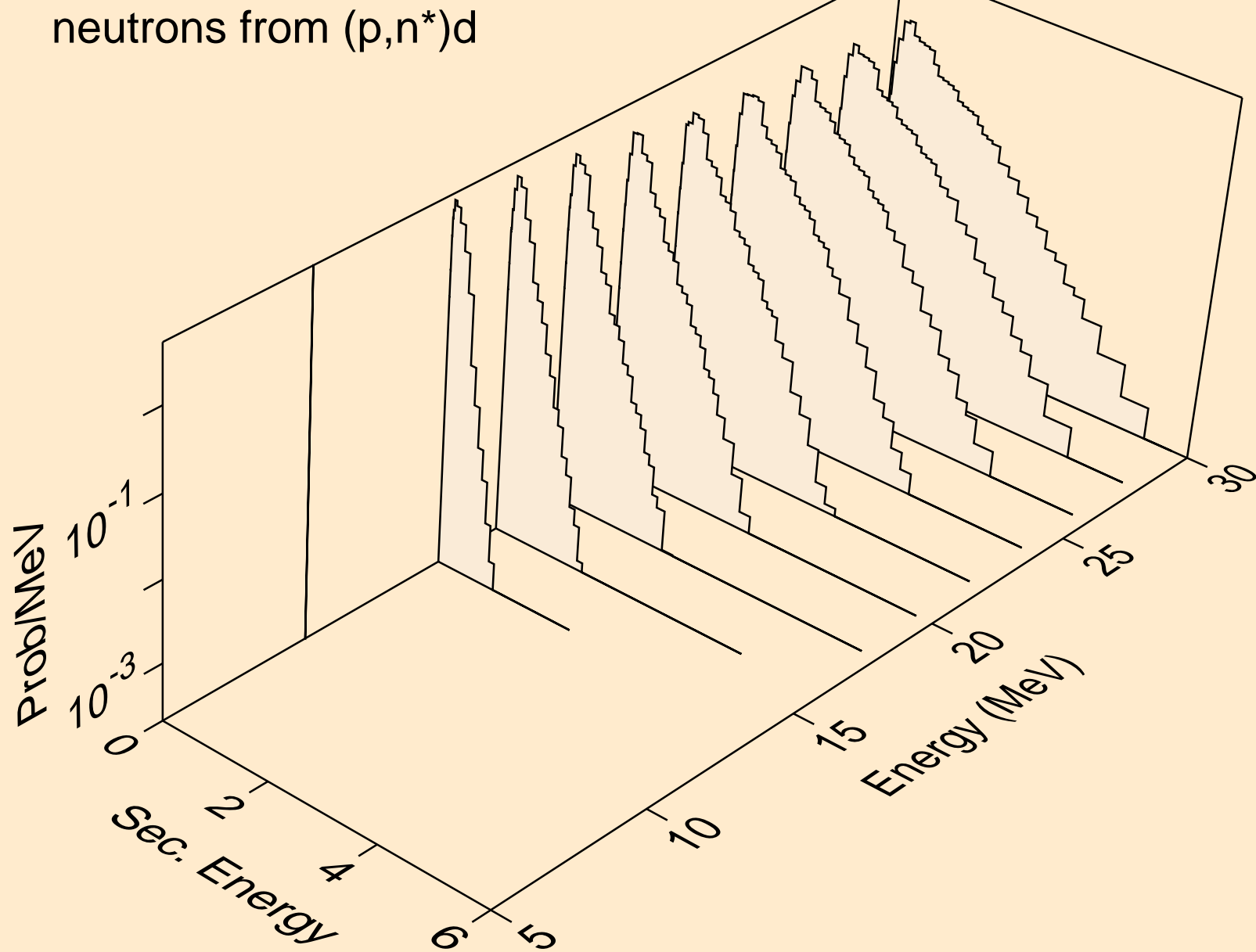
FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)2a



FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2n)2a

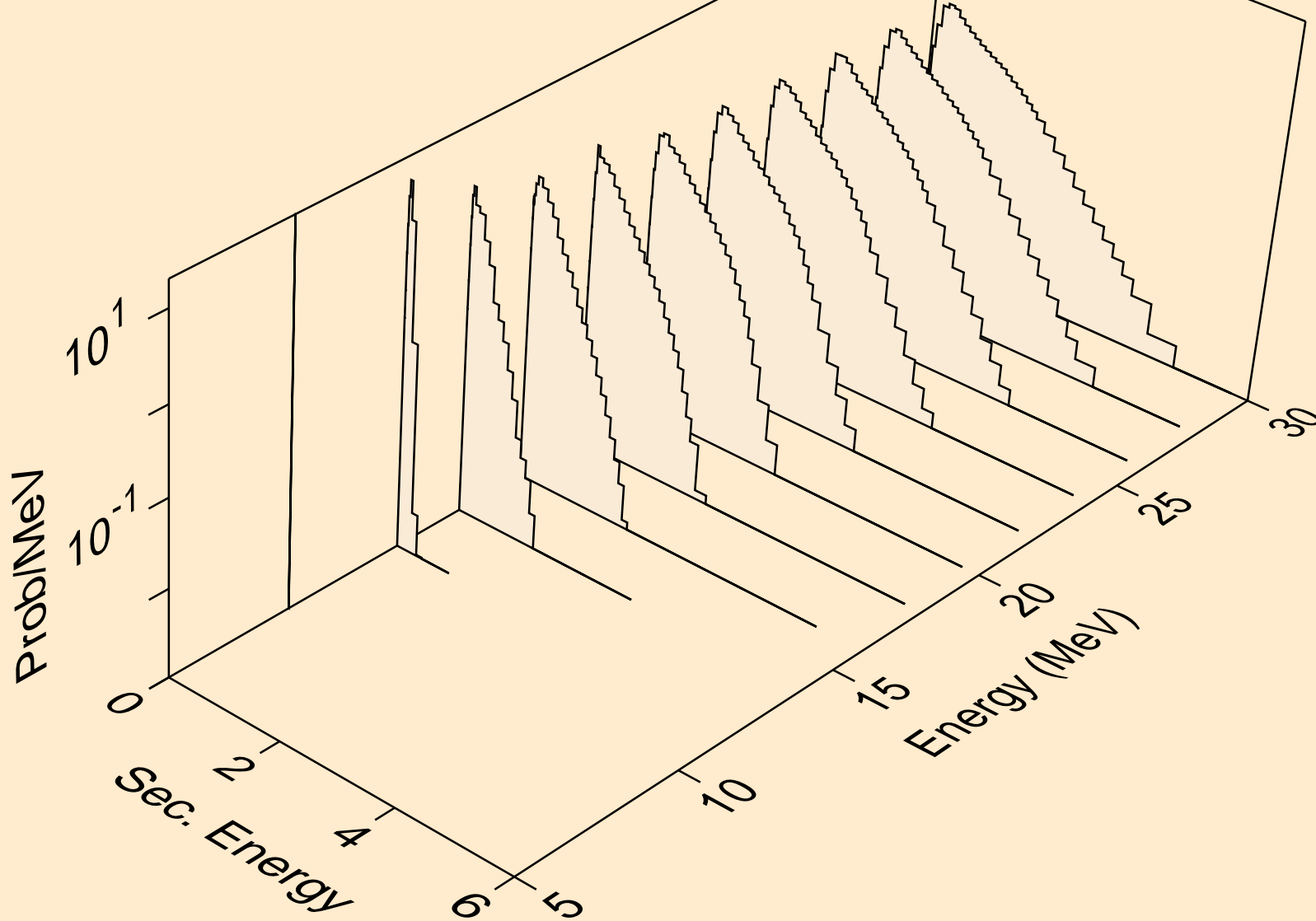


FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,n\*)d

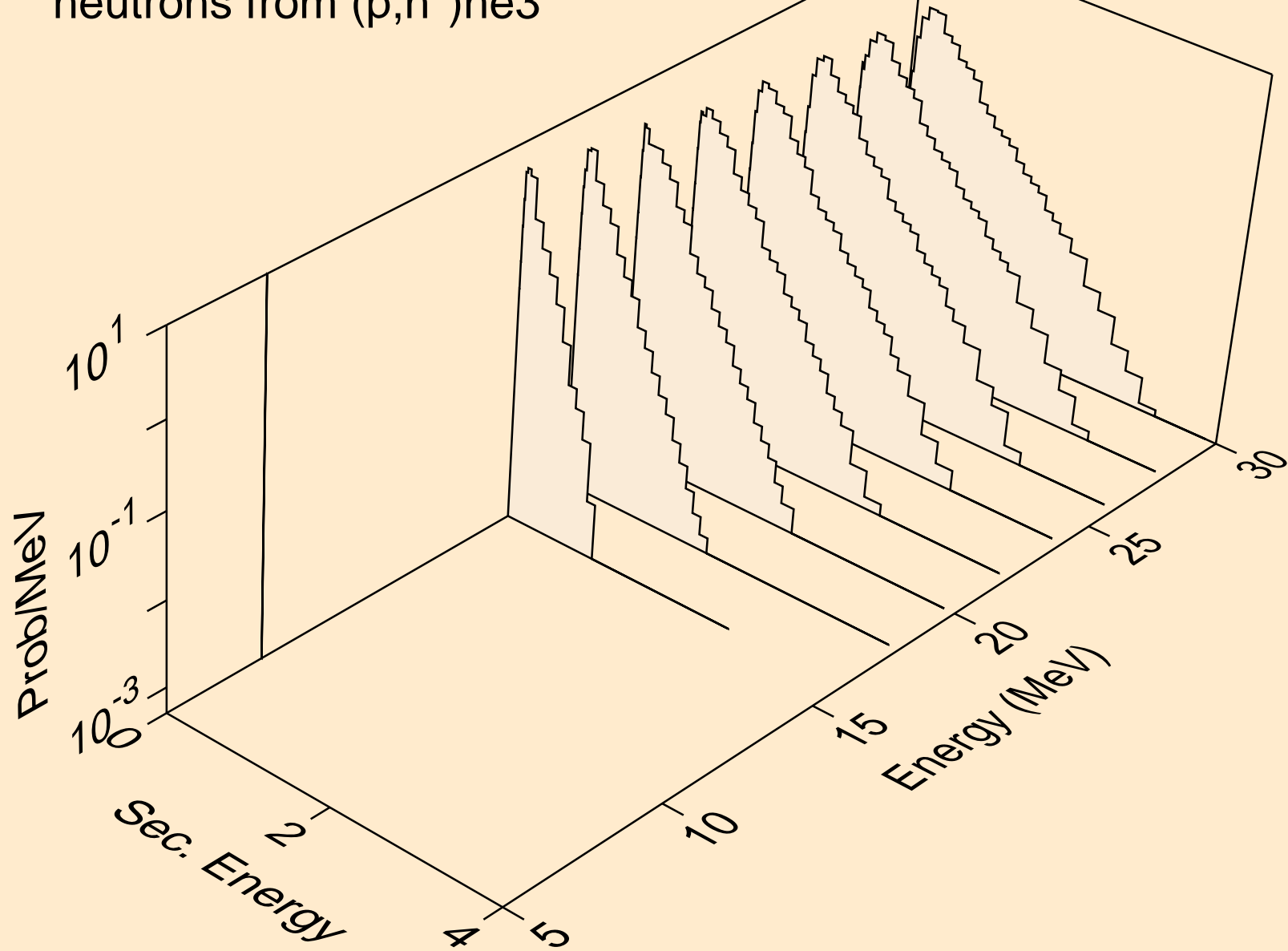




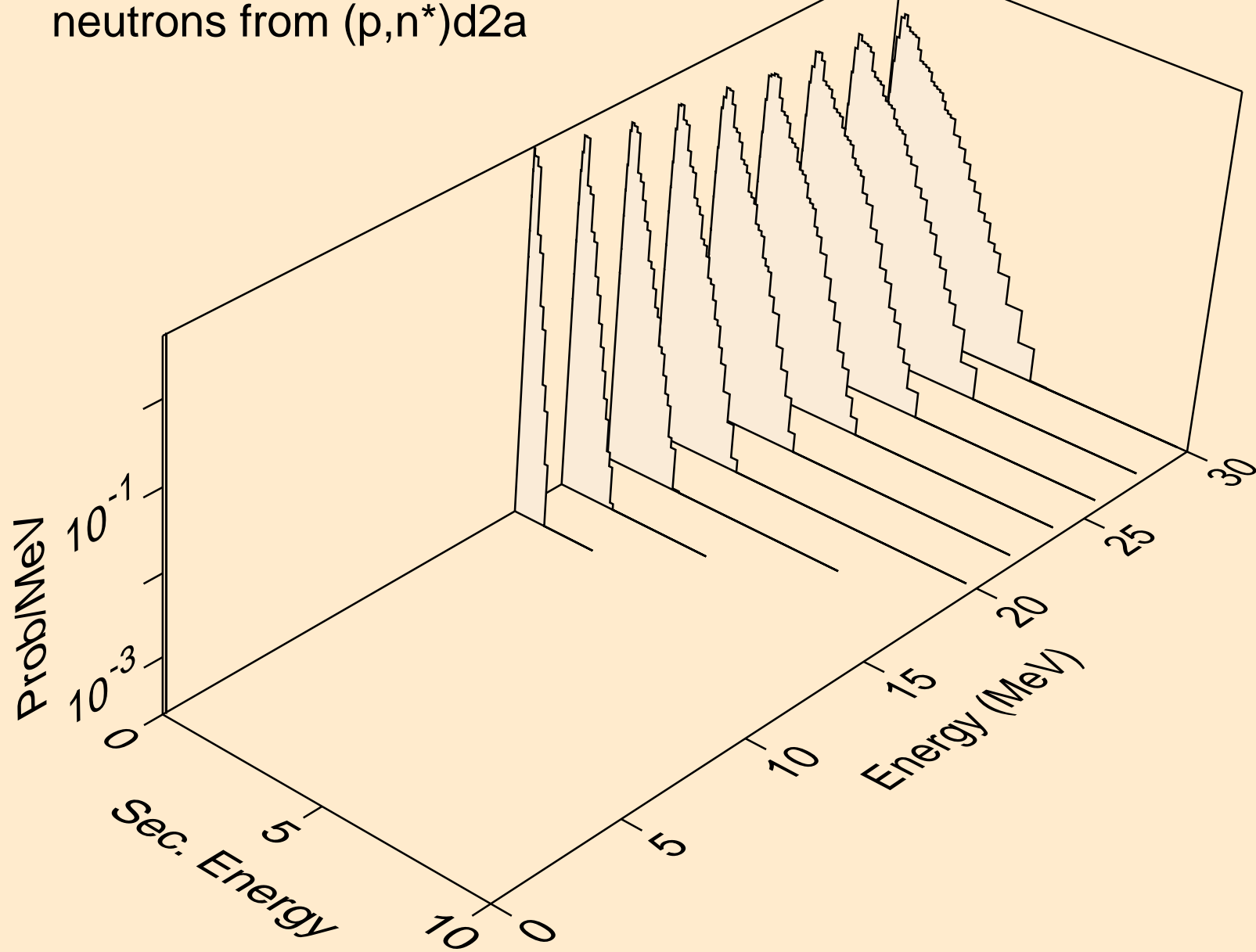
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neutrons from (p,n\*)t



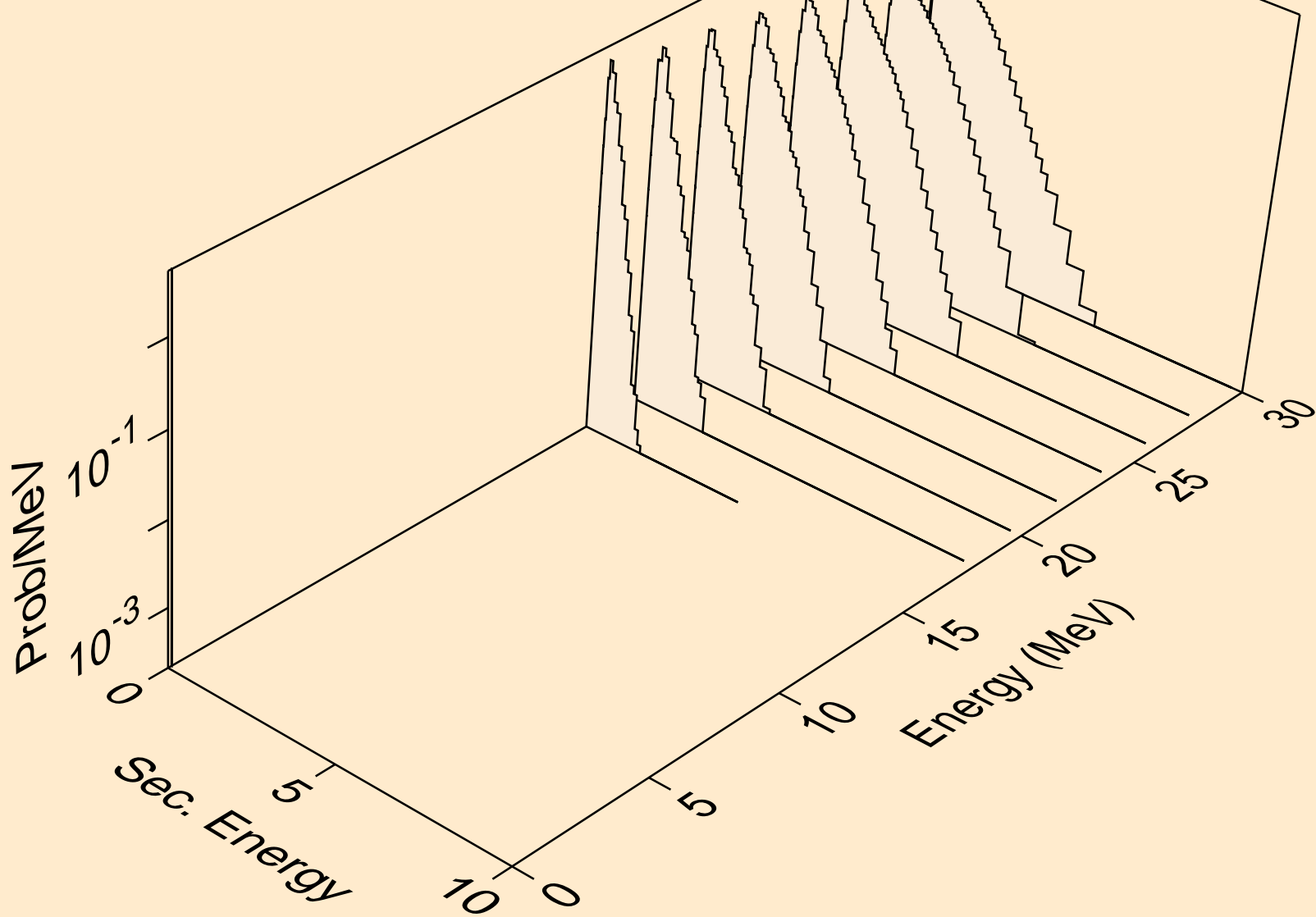
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neutrons from (p,n\*)he3



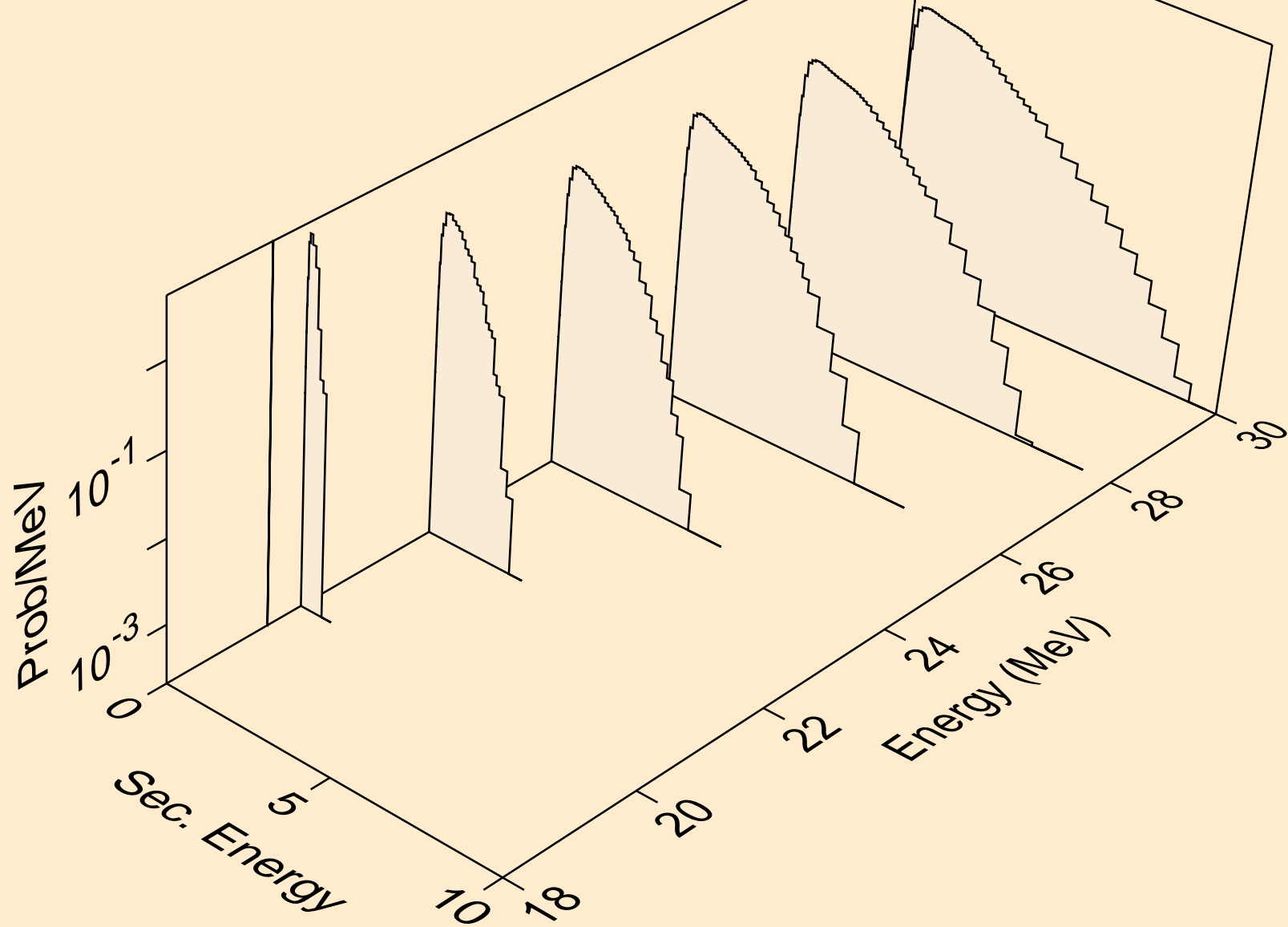
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neutrons from (p,n\*)d2a



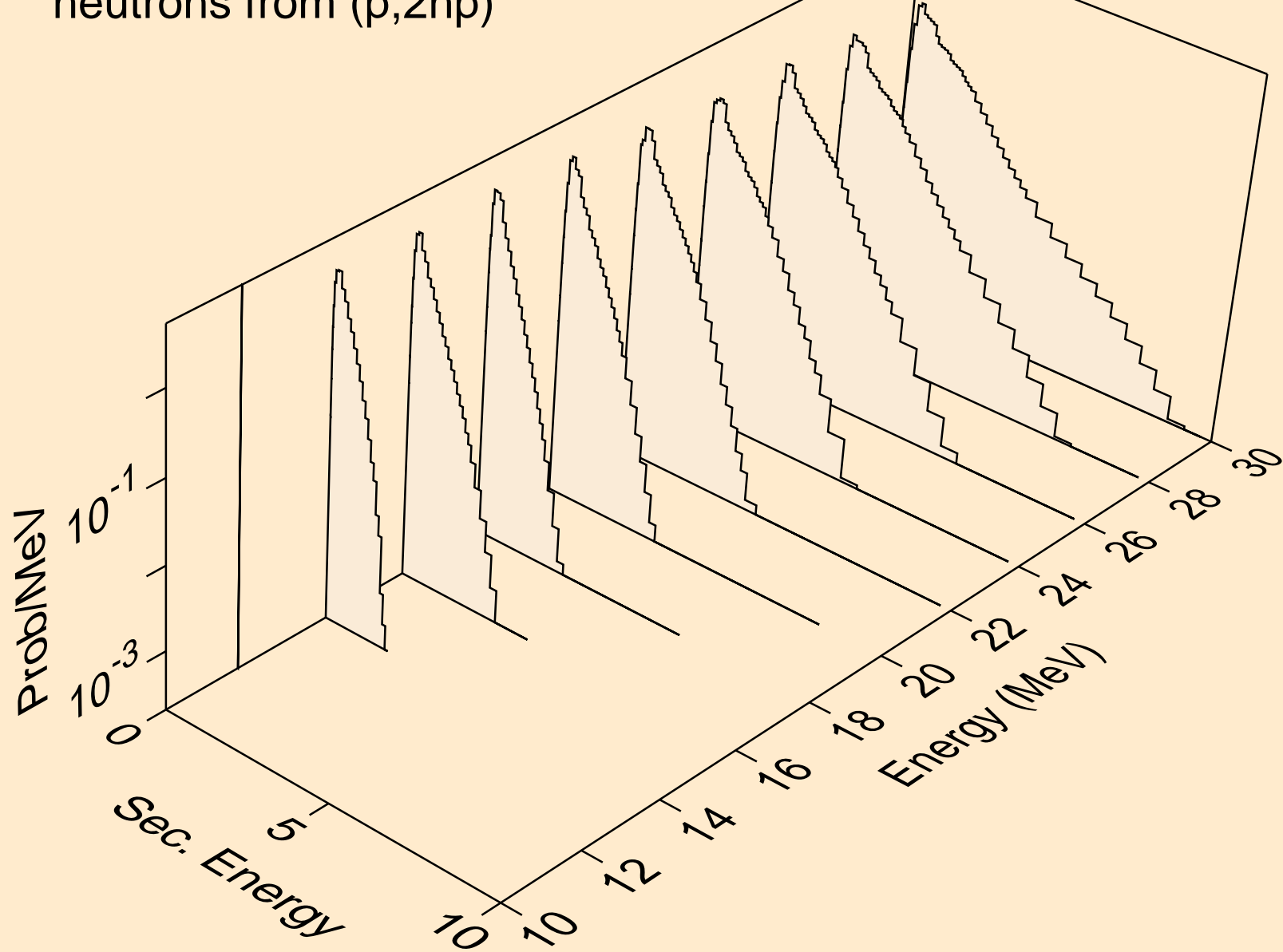
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neutrons from (p,n\*)t2a



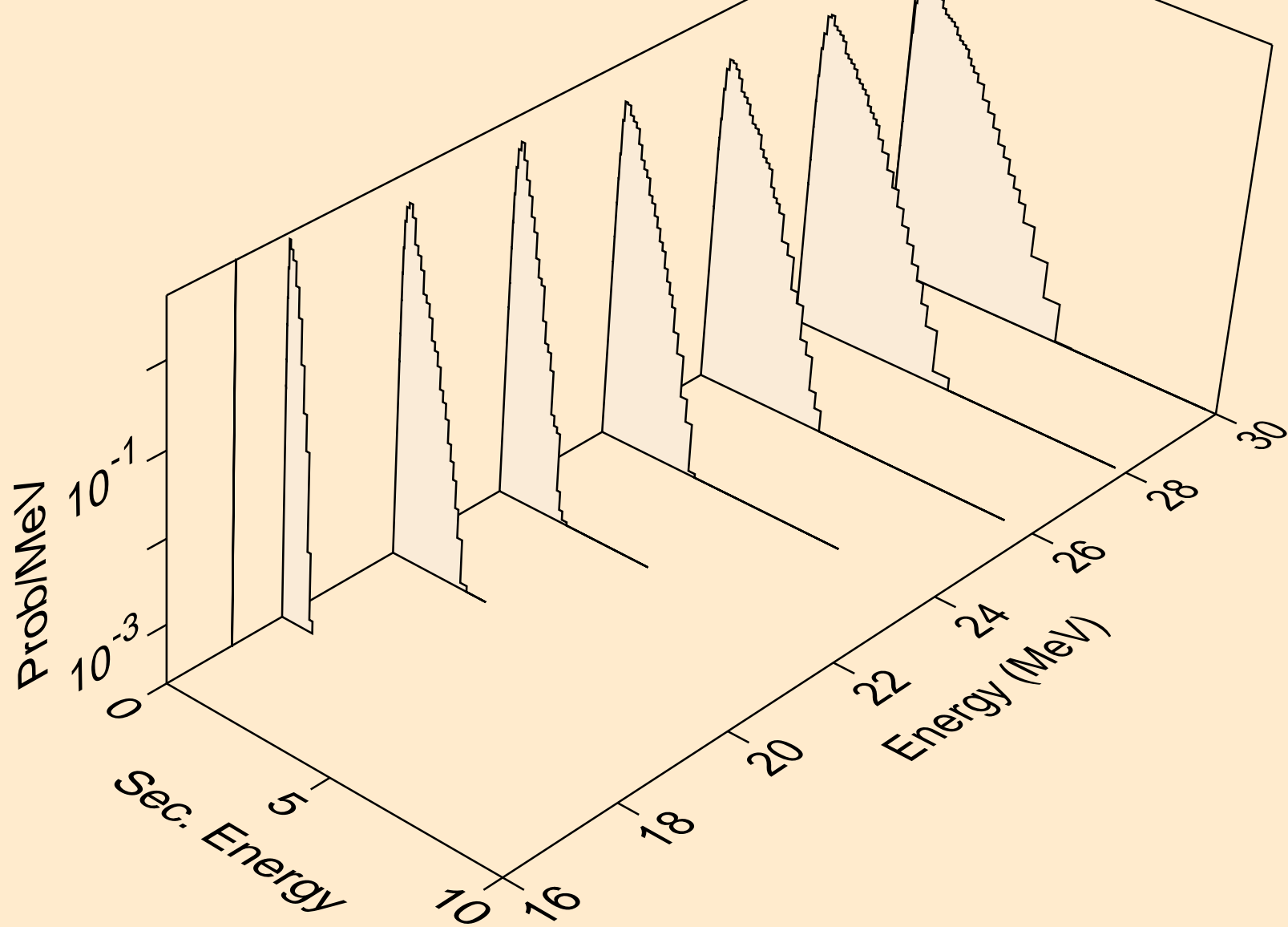
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neutrons from (p,4n)



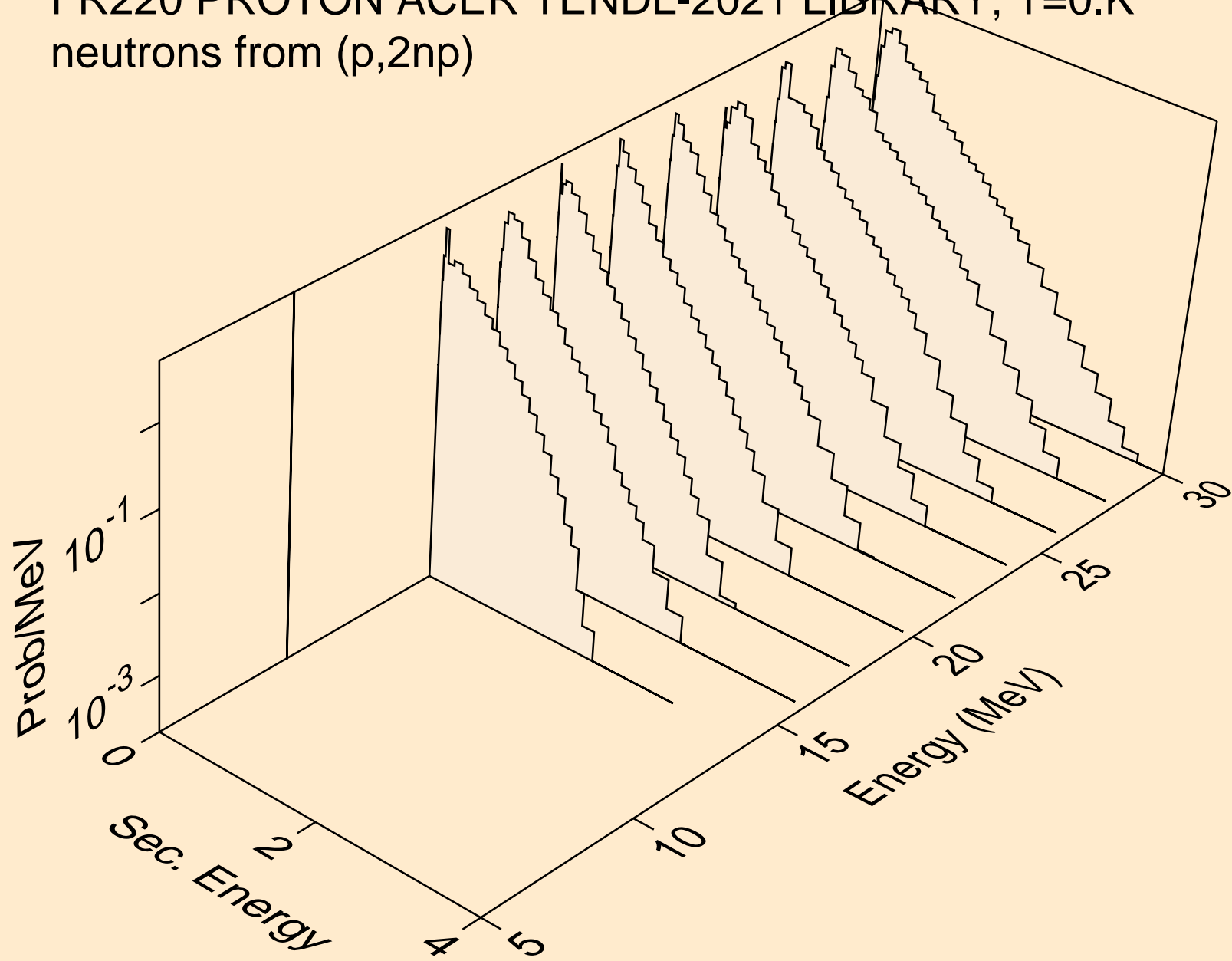
FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)



FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,3np)

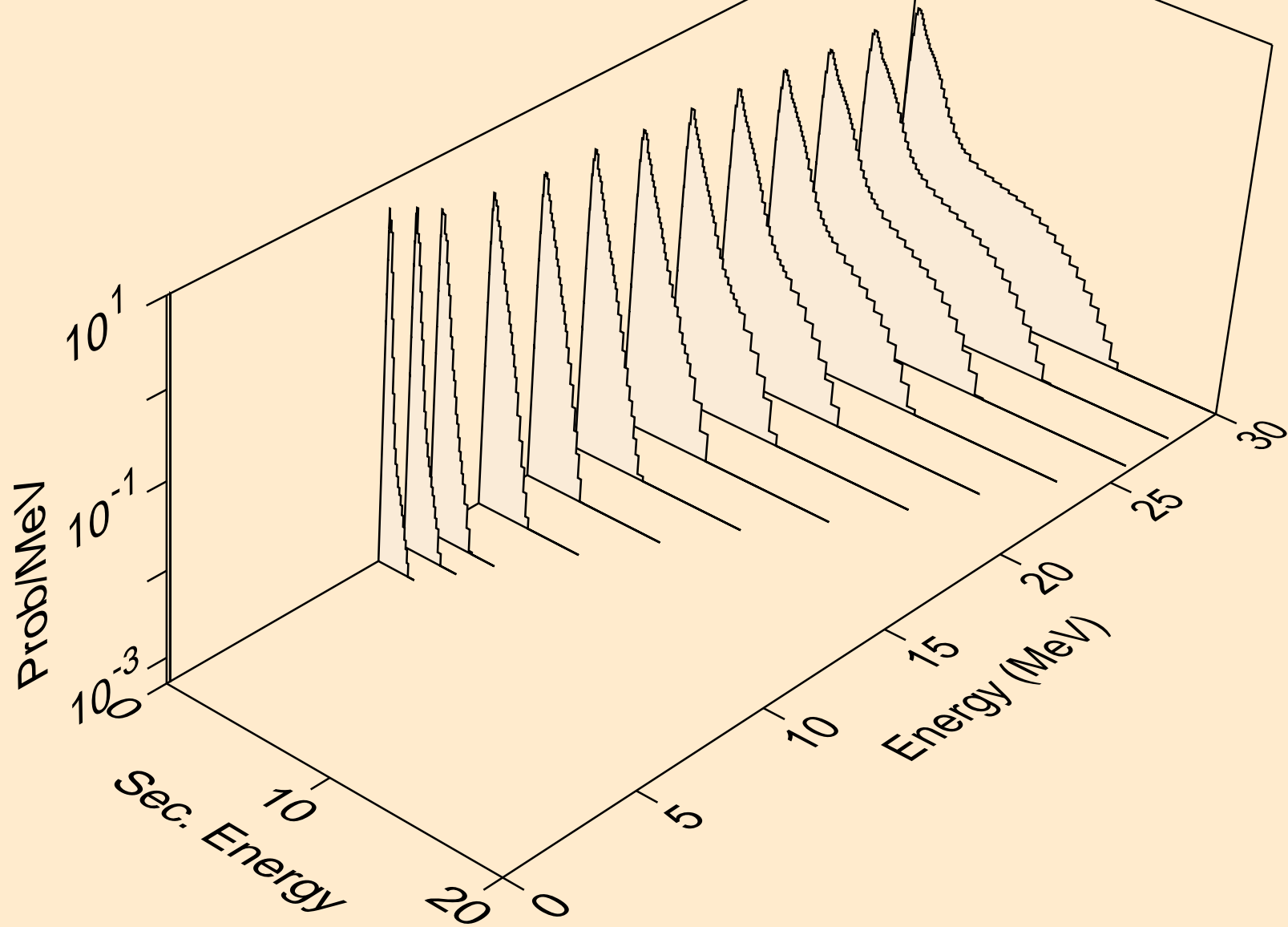


FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
neutrons from (p,2np)

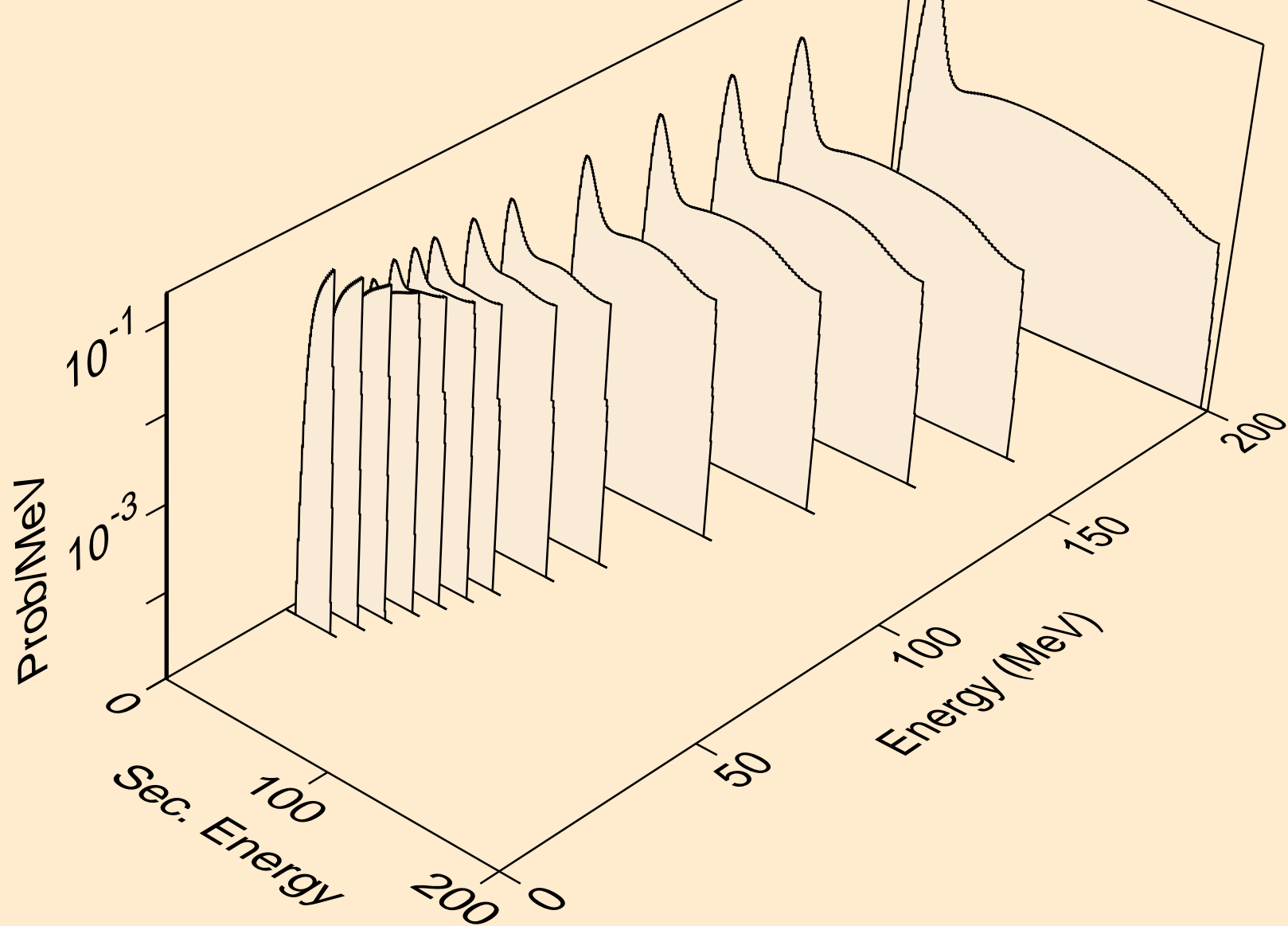




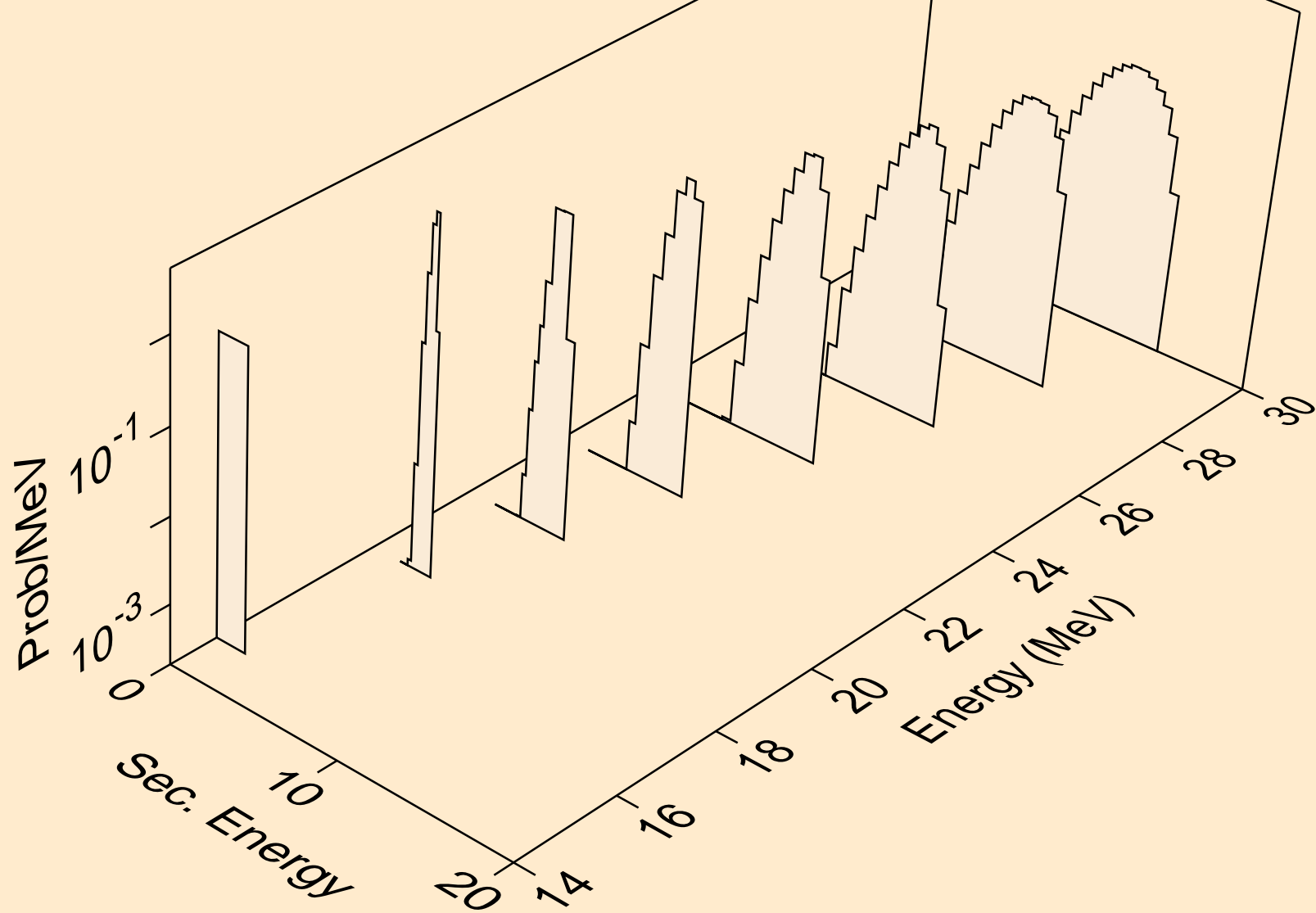
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neutrons from (p,npa)



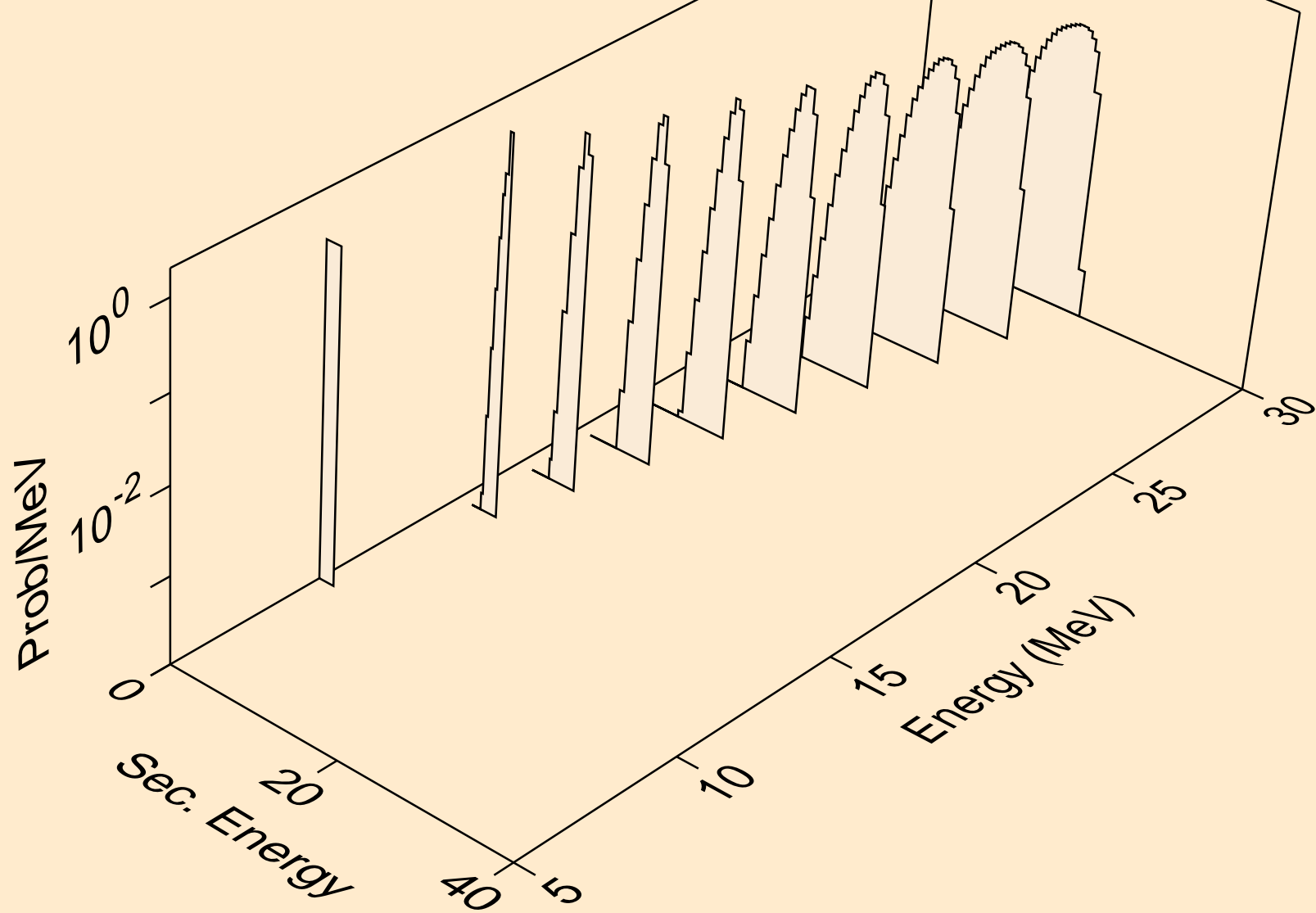
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deuterons from (p,x)



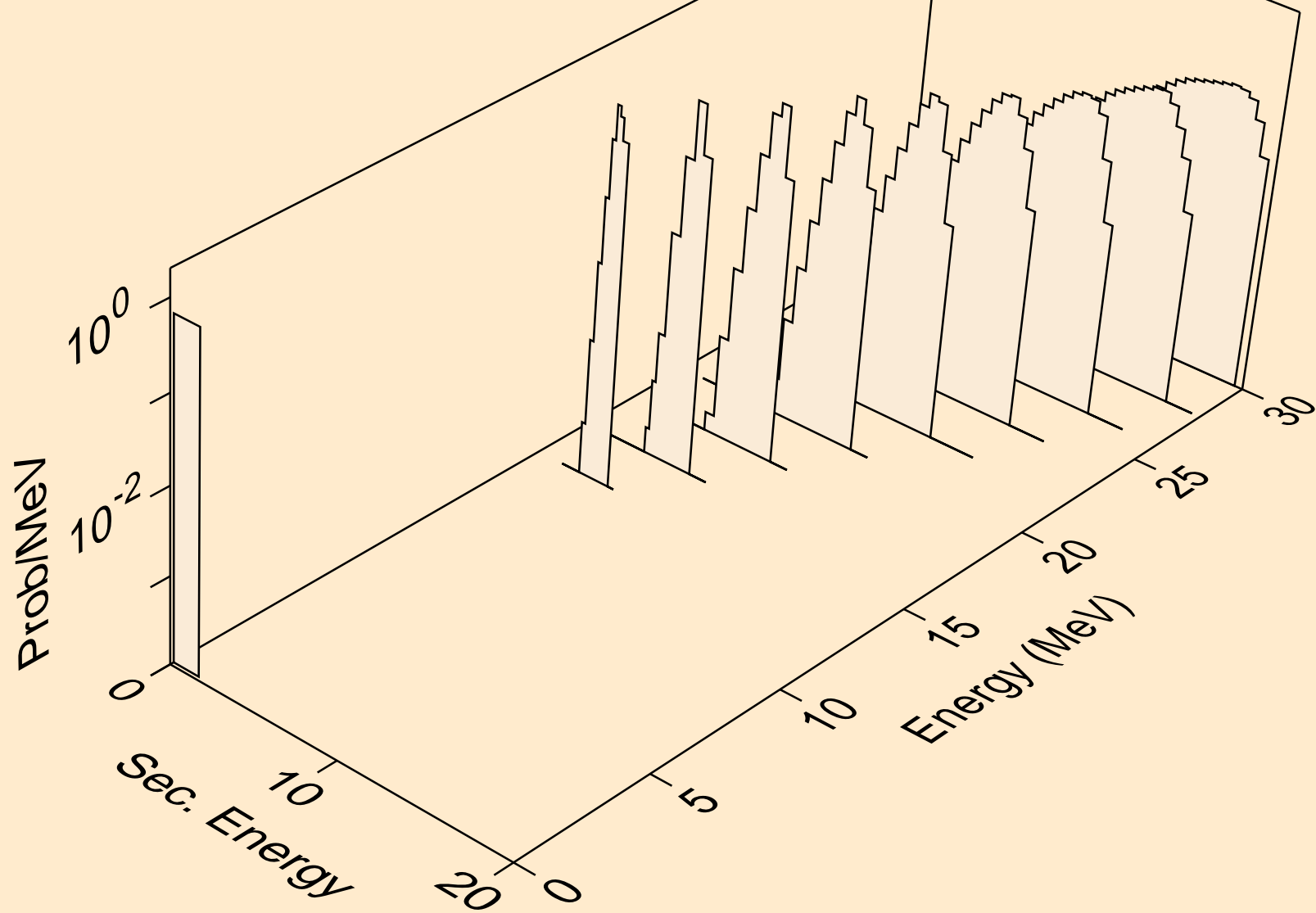
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deuterons from (p,2nd)



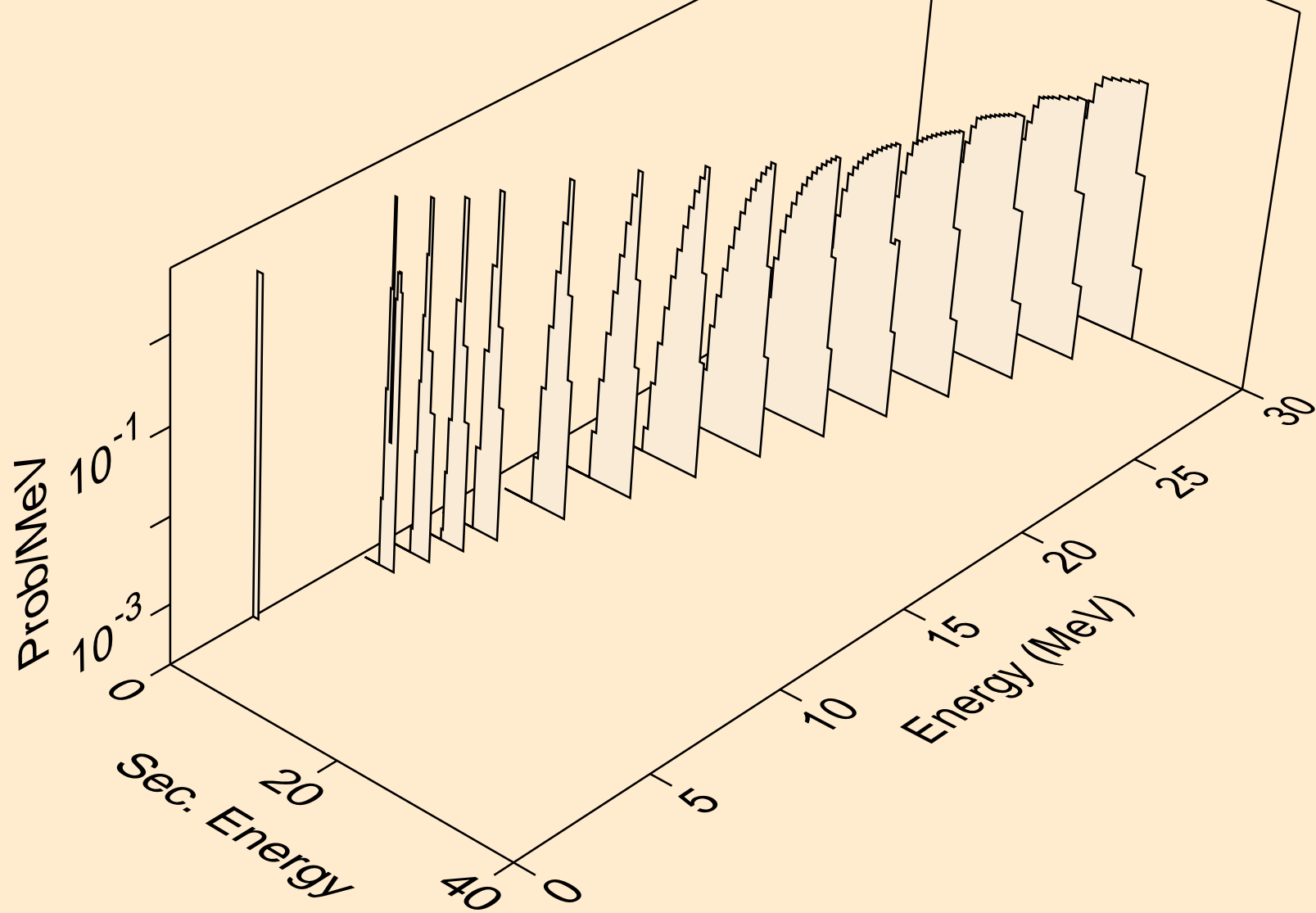
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deuterons from (p,n\*)d



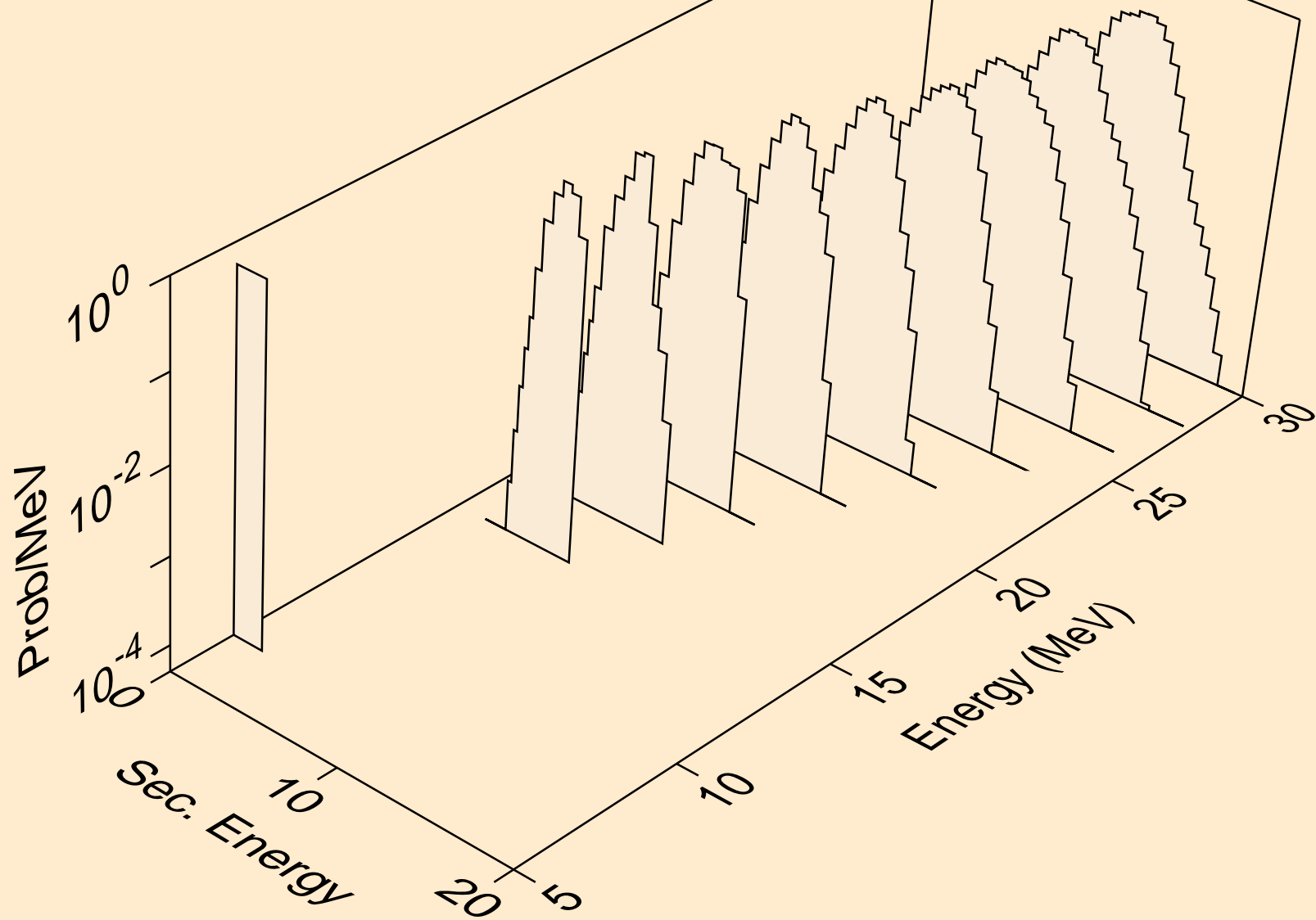
FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,n\*)d2a



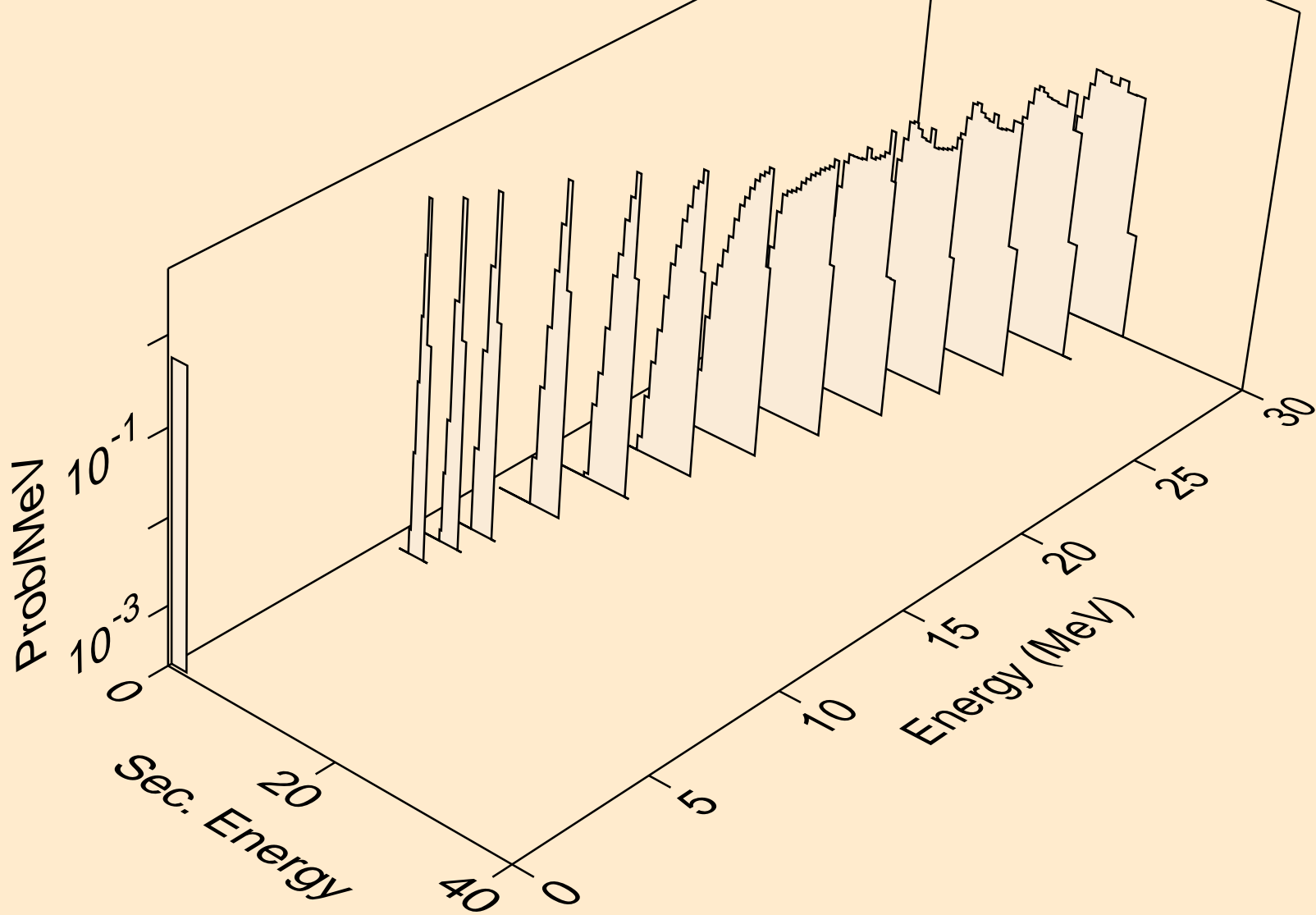
FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,d)



FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
deuterons from (p,pd)

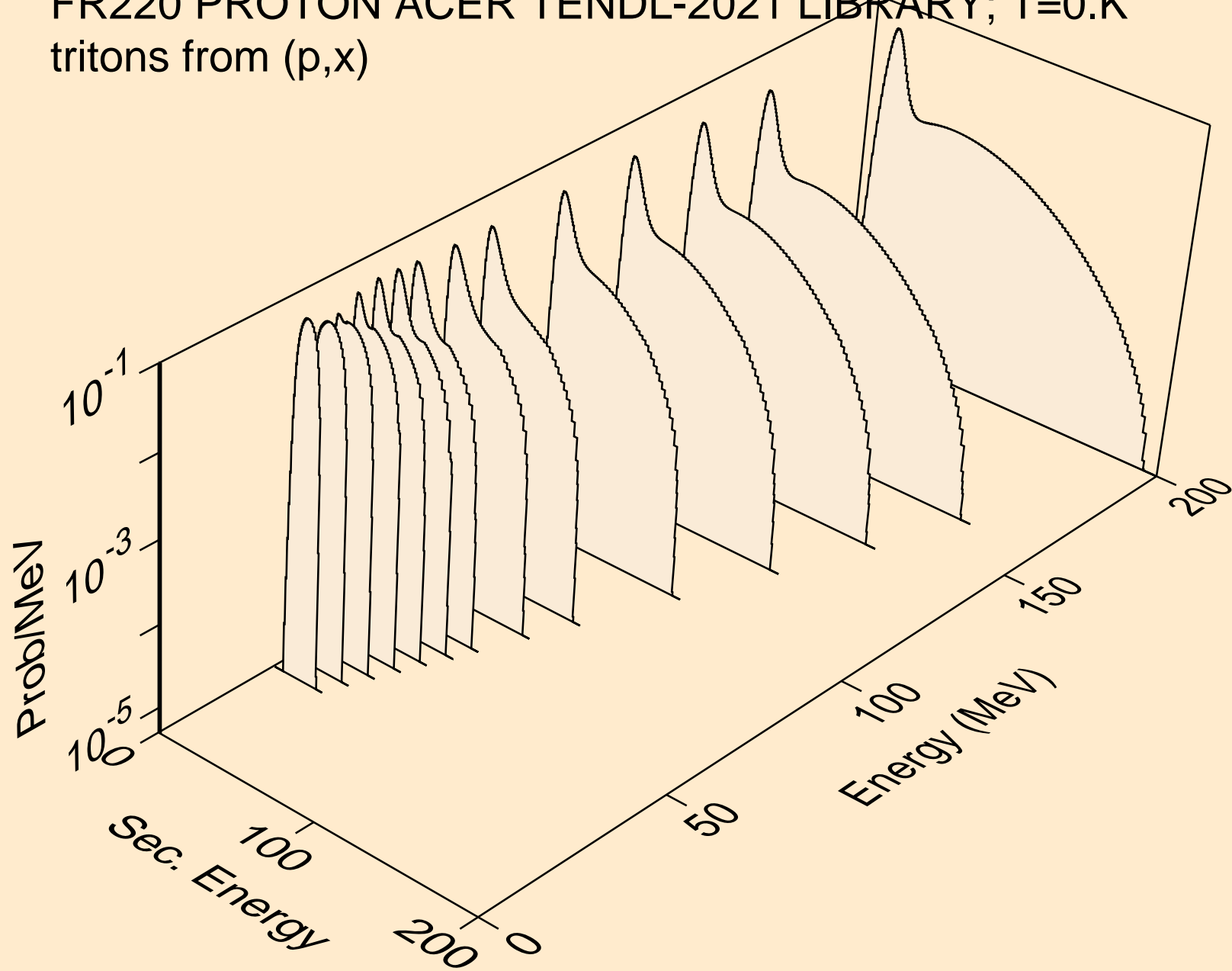


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deuterons from (p,da)

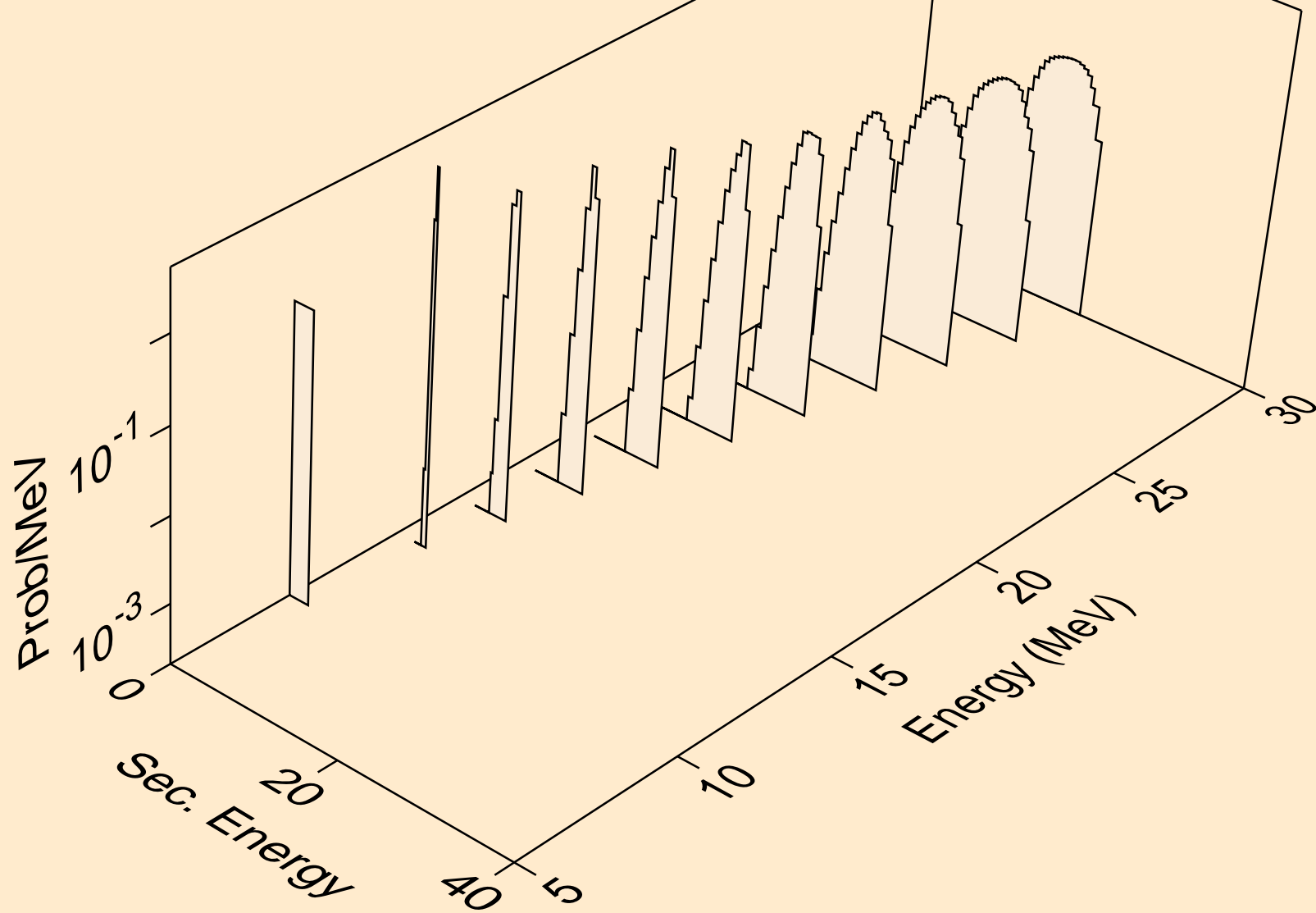




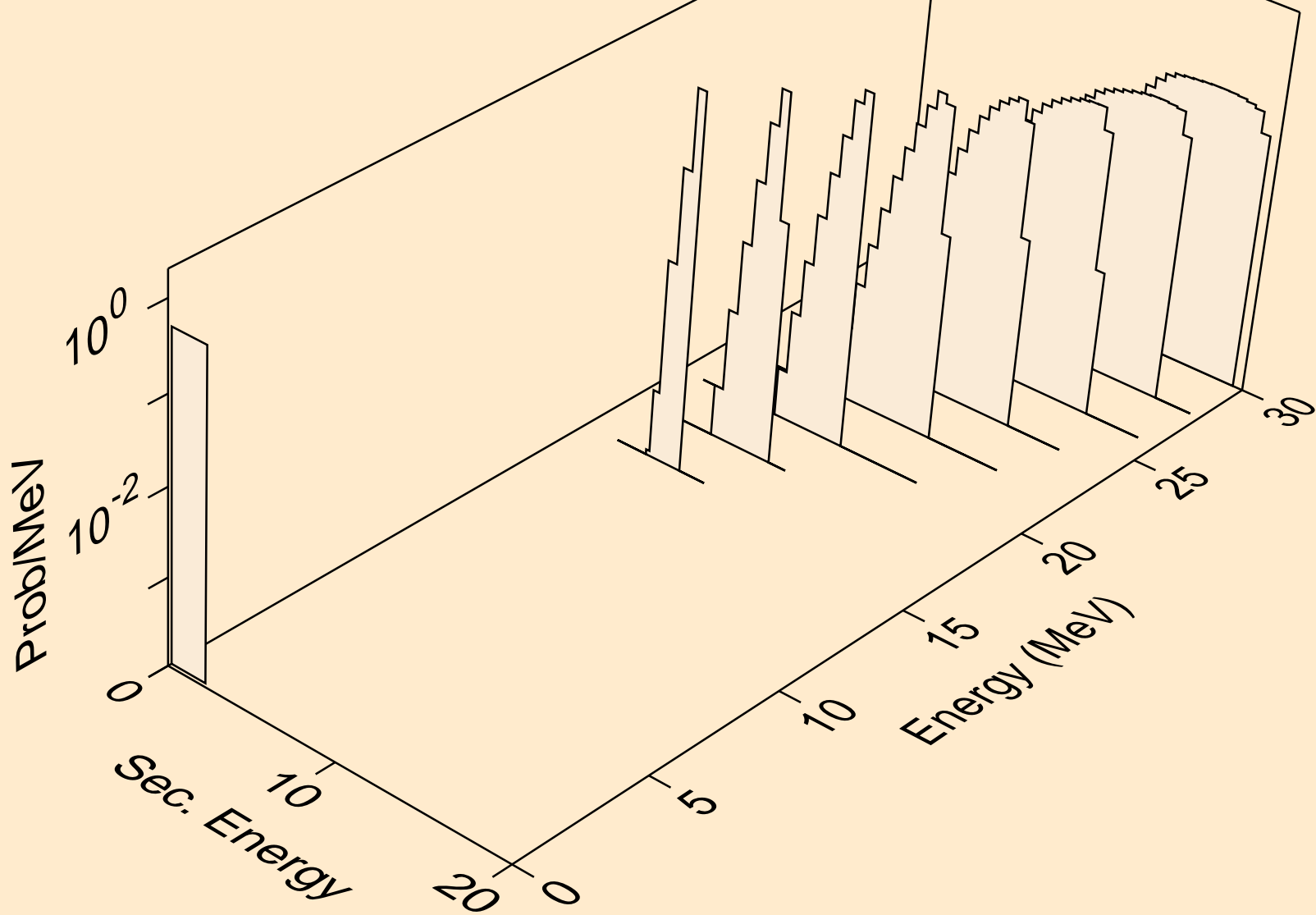
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tritons from (p,x)



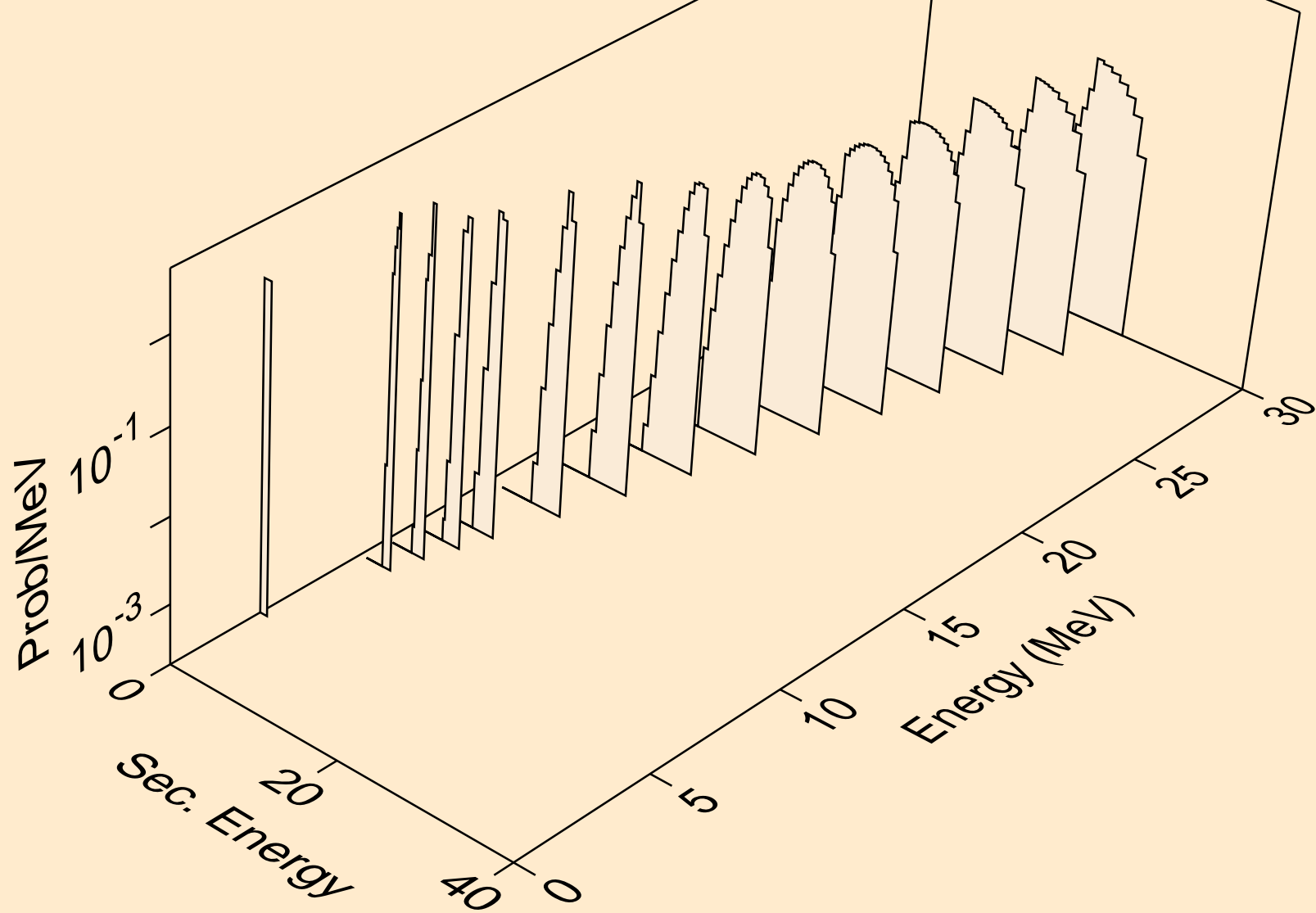
FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
tritons from (p,n\*)t



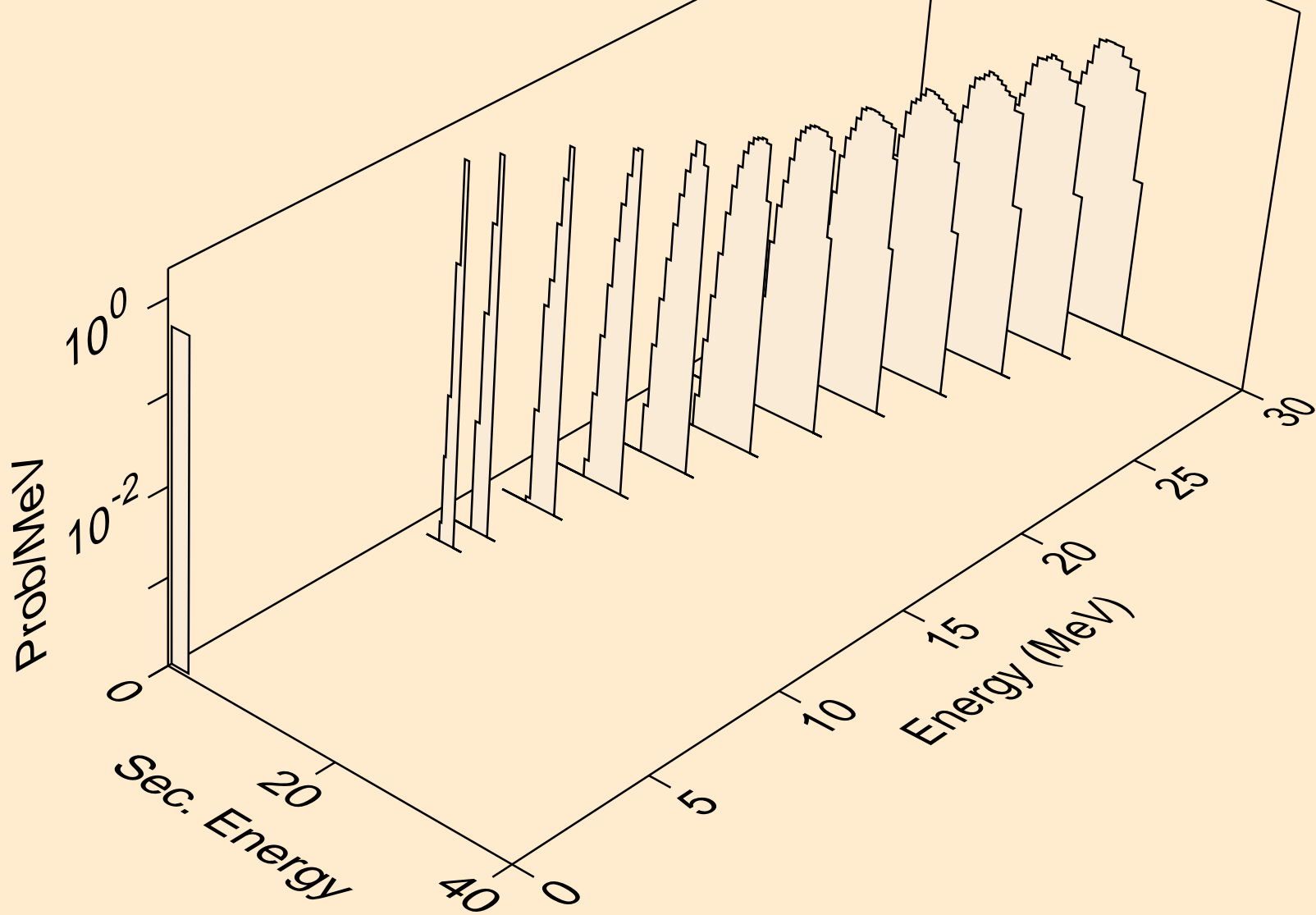
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tritons from (p,n\*)t2a



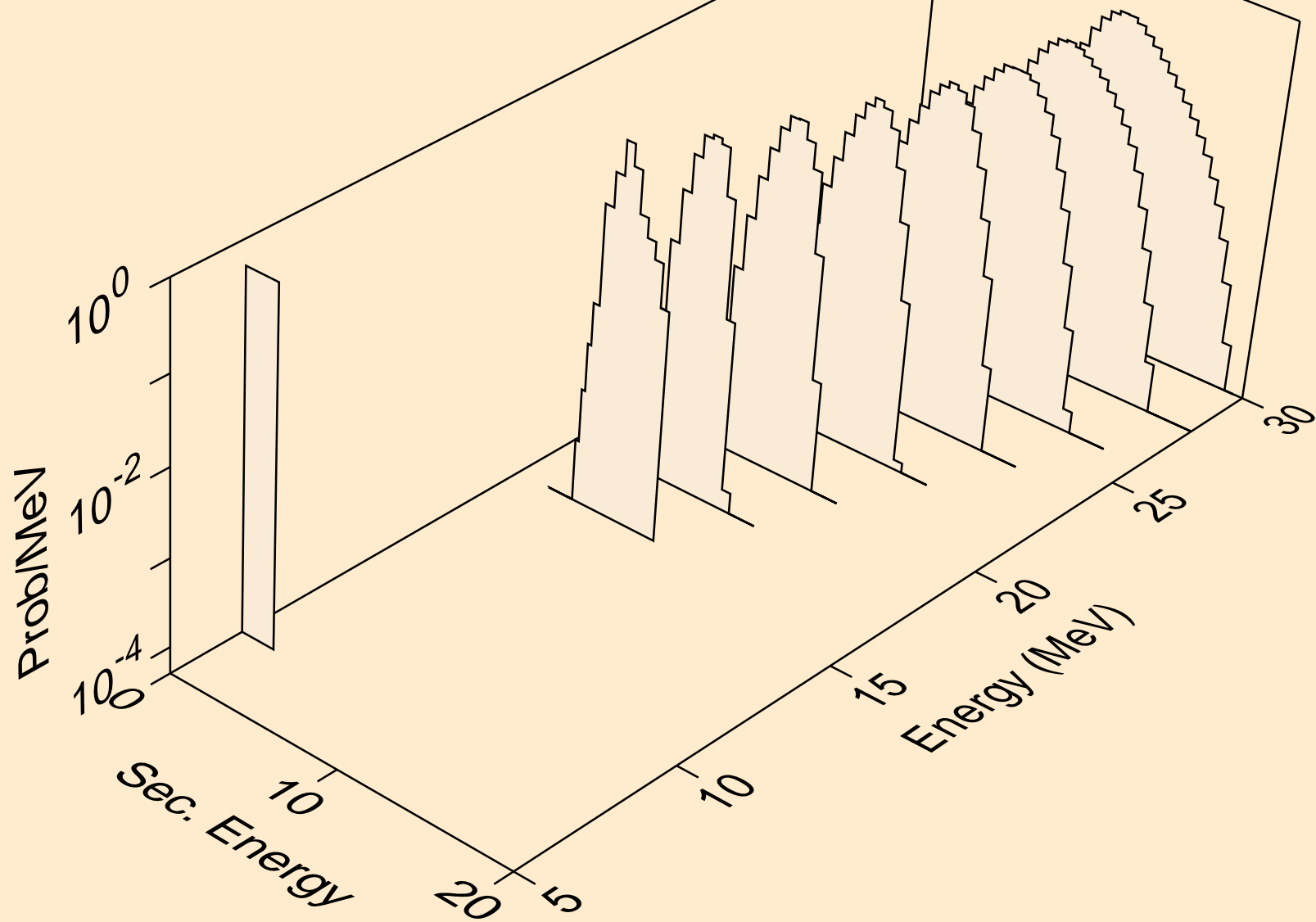
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tritons from (p,t)



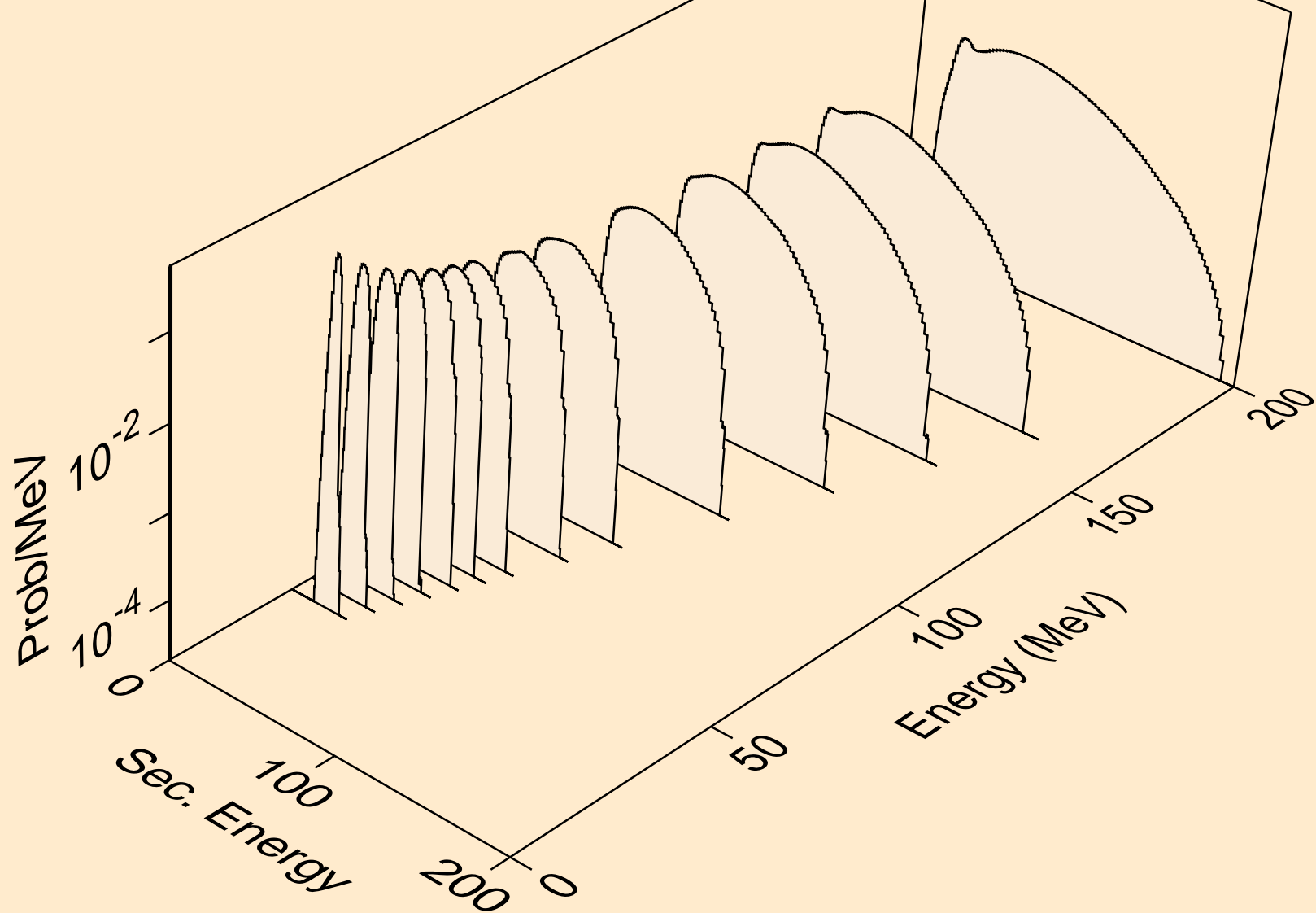
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tritons from (p,t2a)



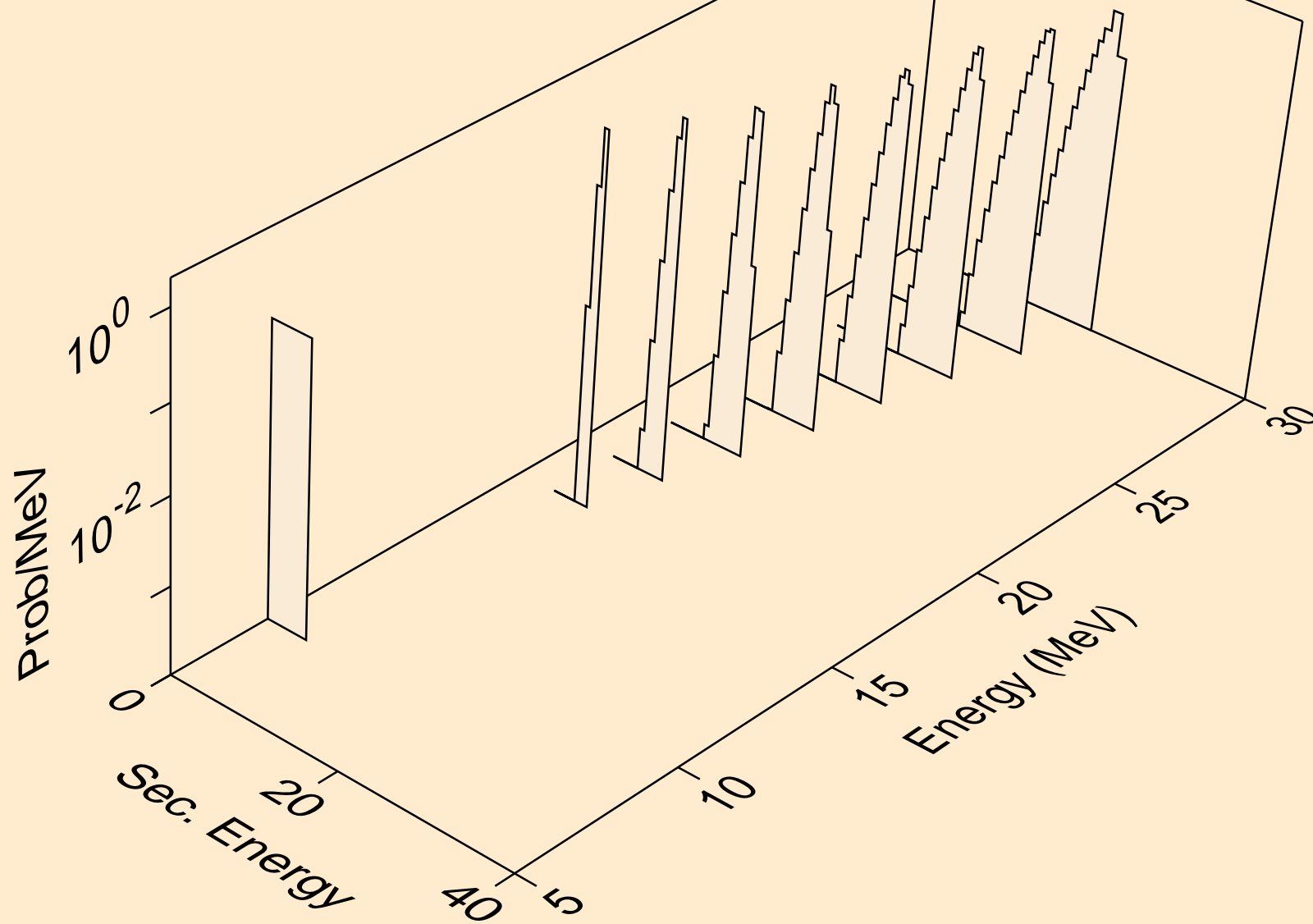
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tritons from (p,pt)



FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
he3s from (p,x)

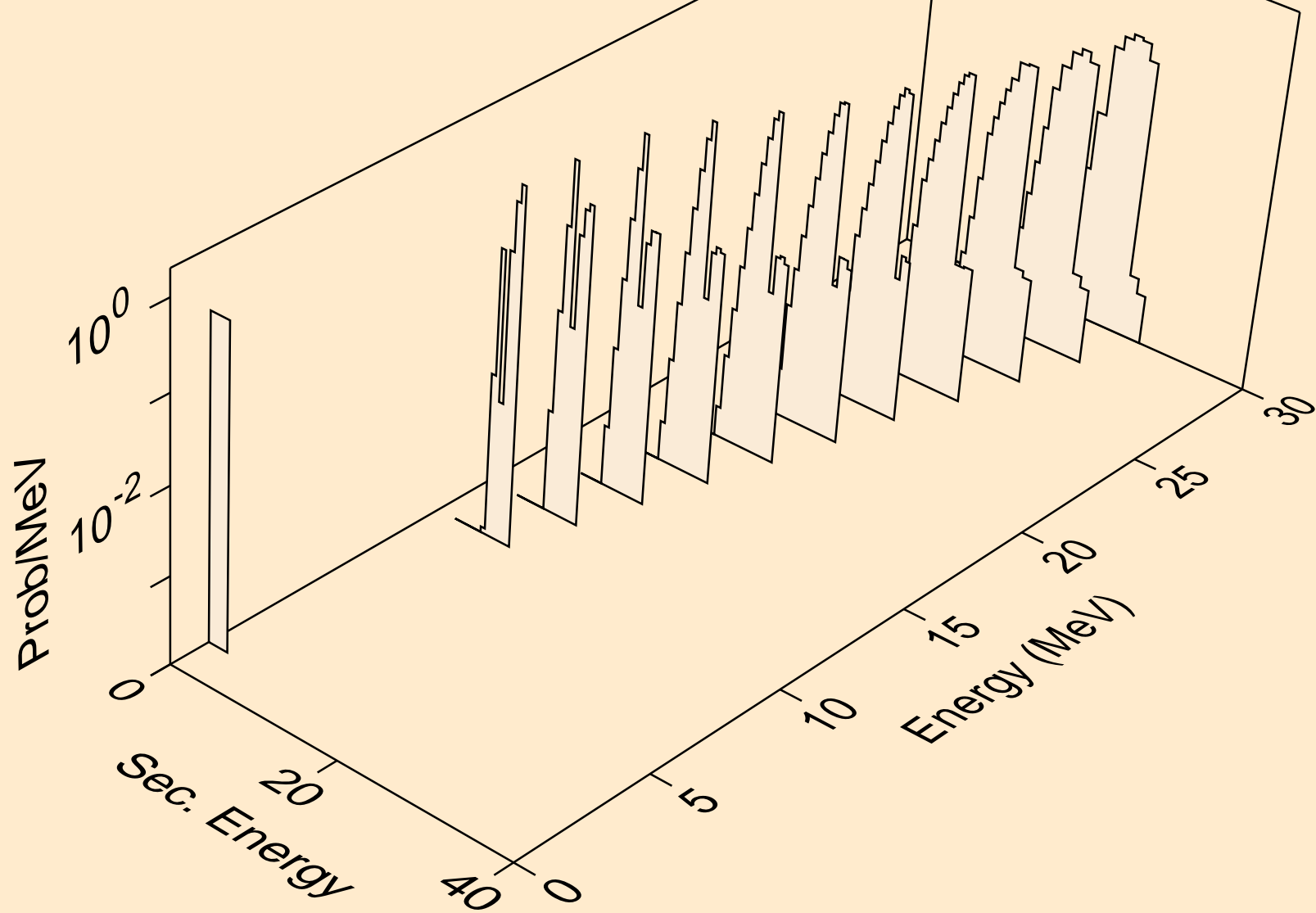


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he3s from (p,n\*)he3

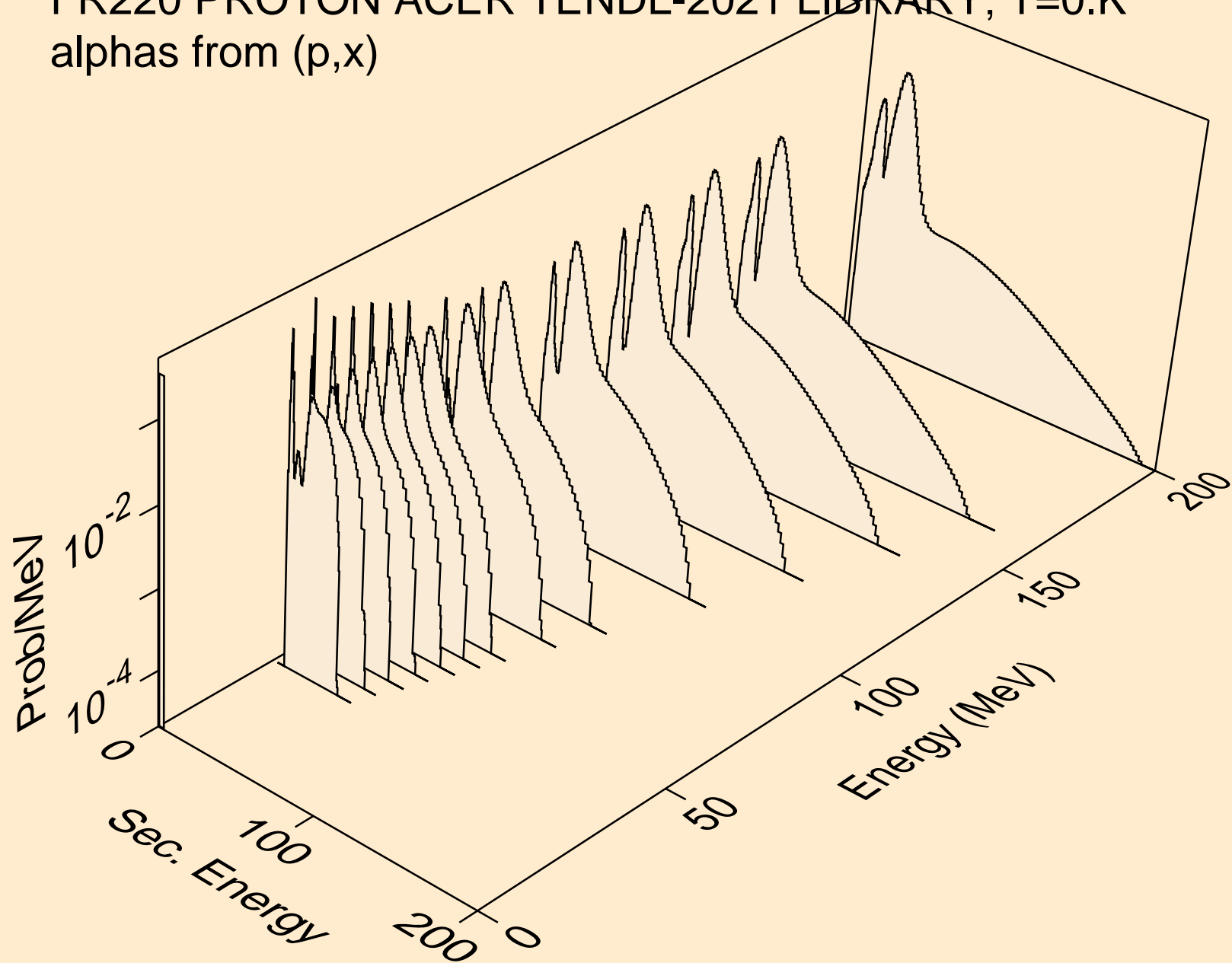




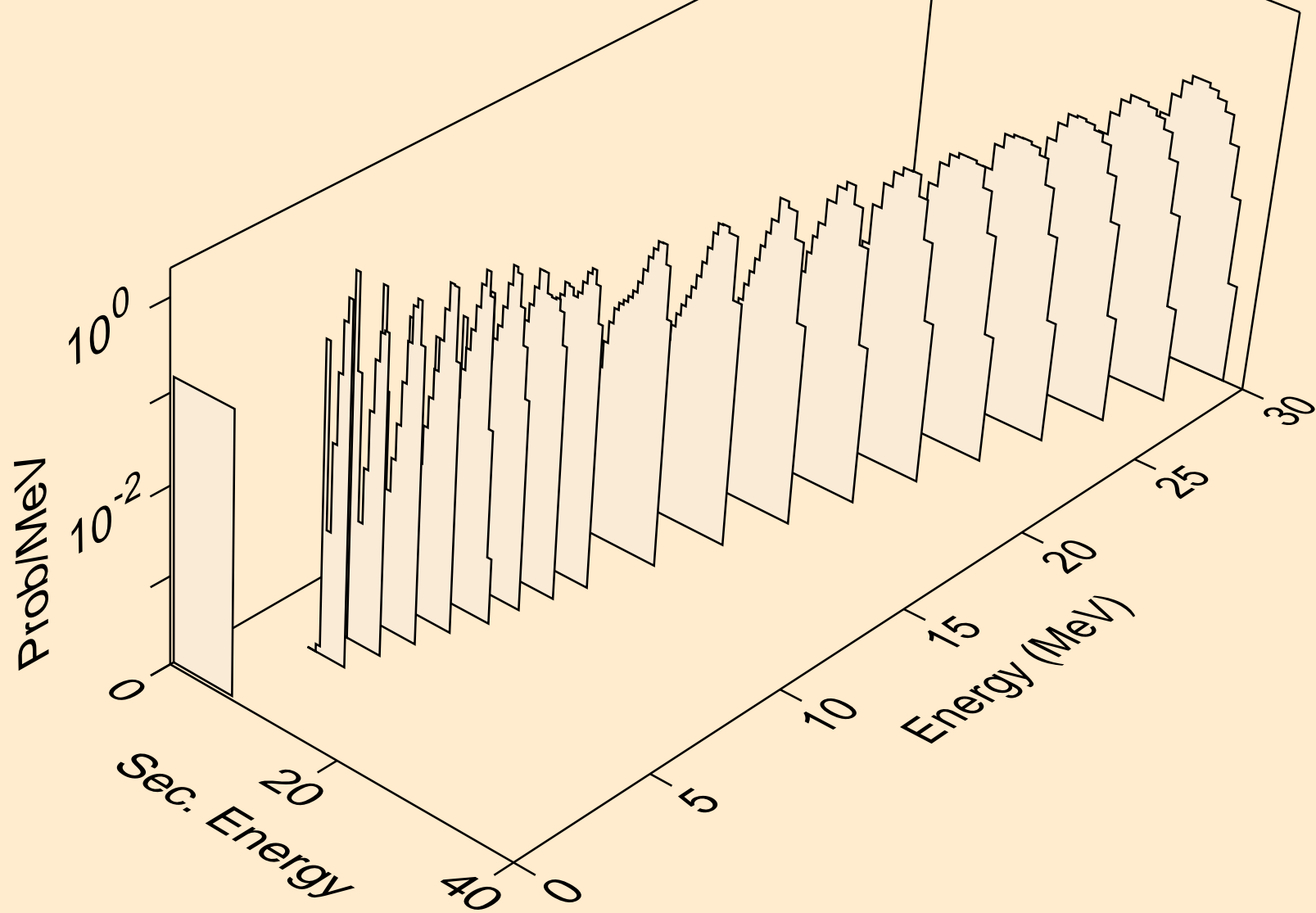
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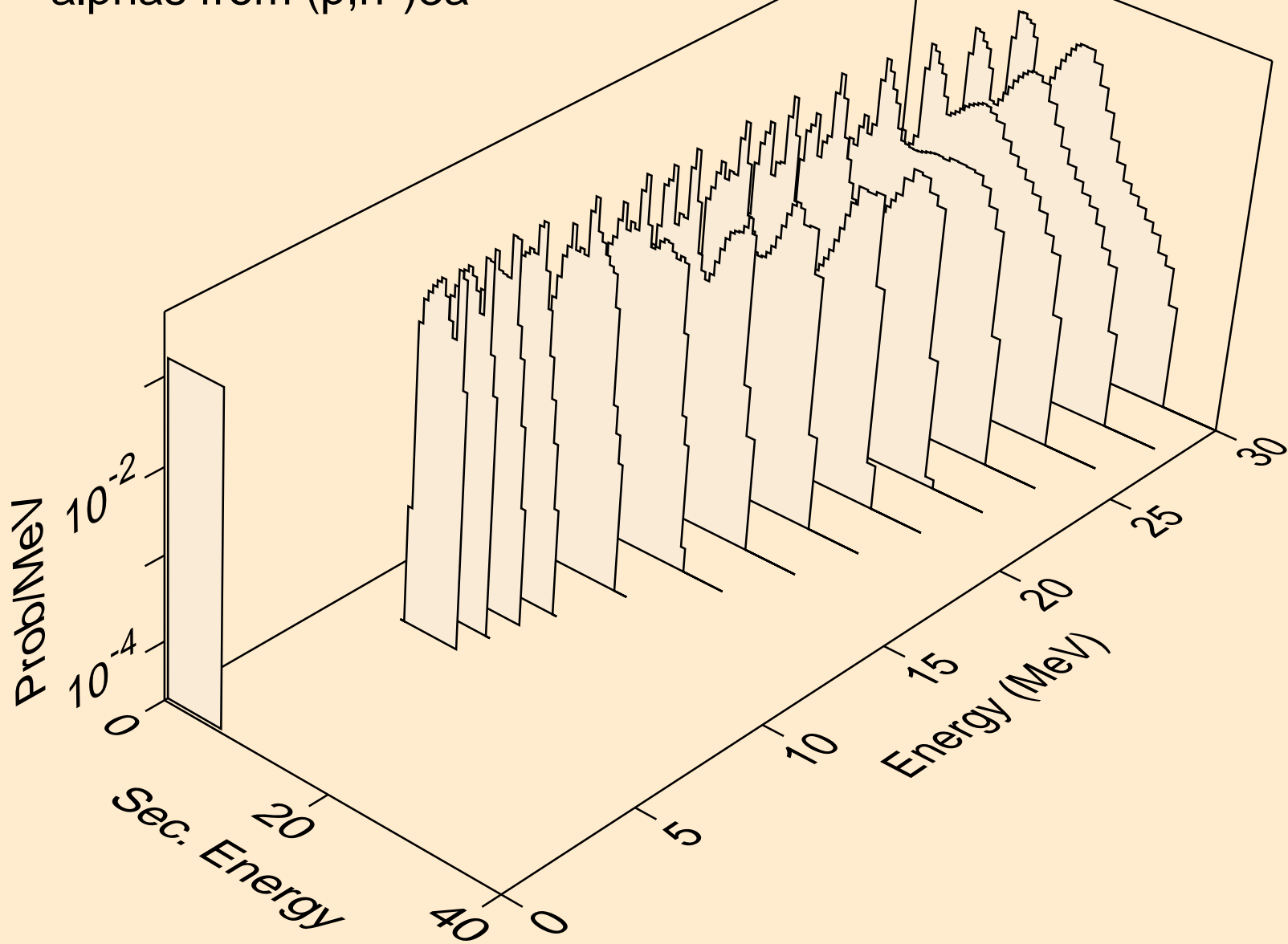
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alphas from (p,x)



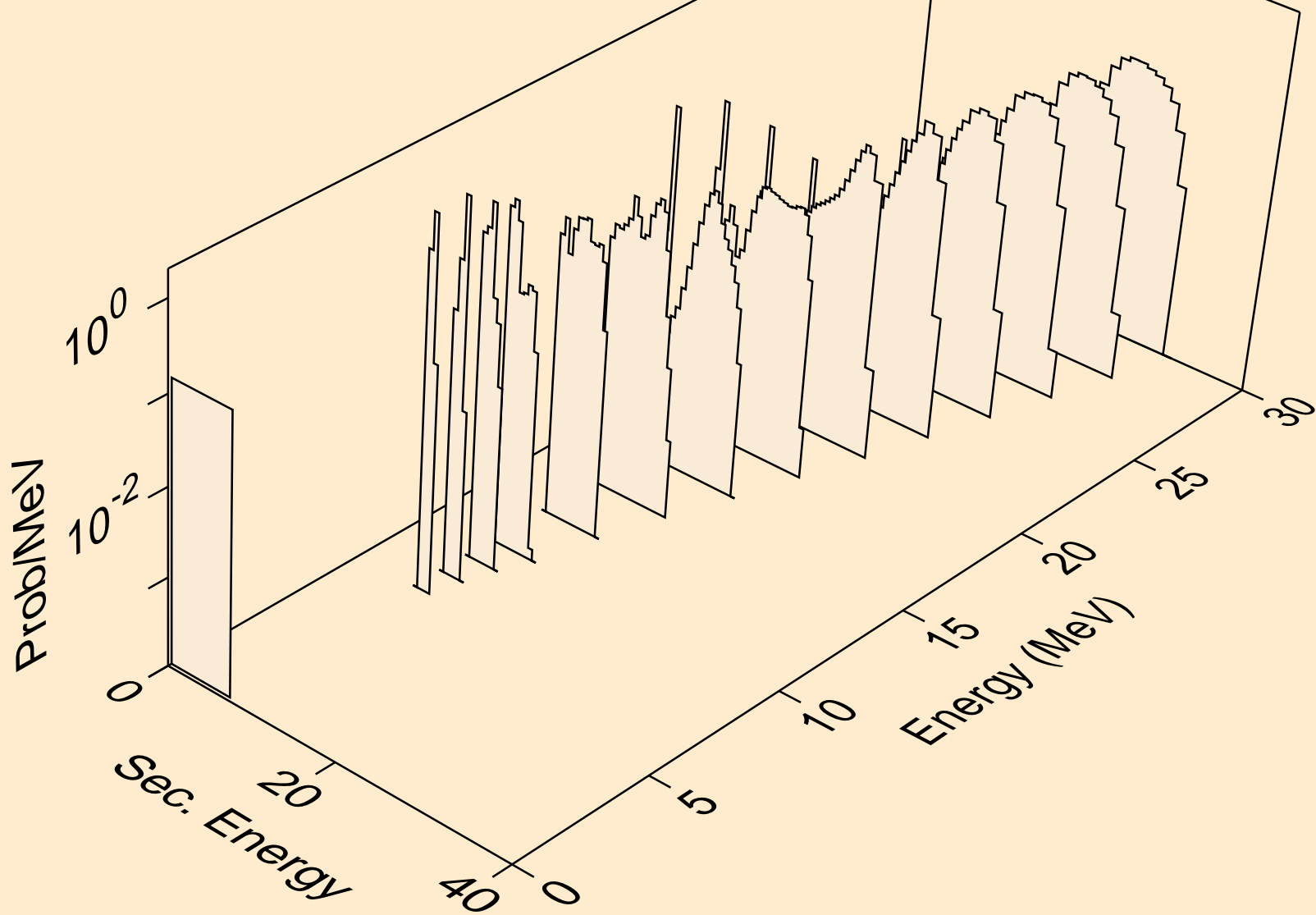
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alphas from (p,n\*)a



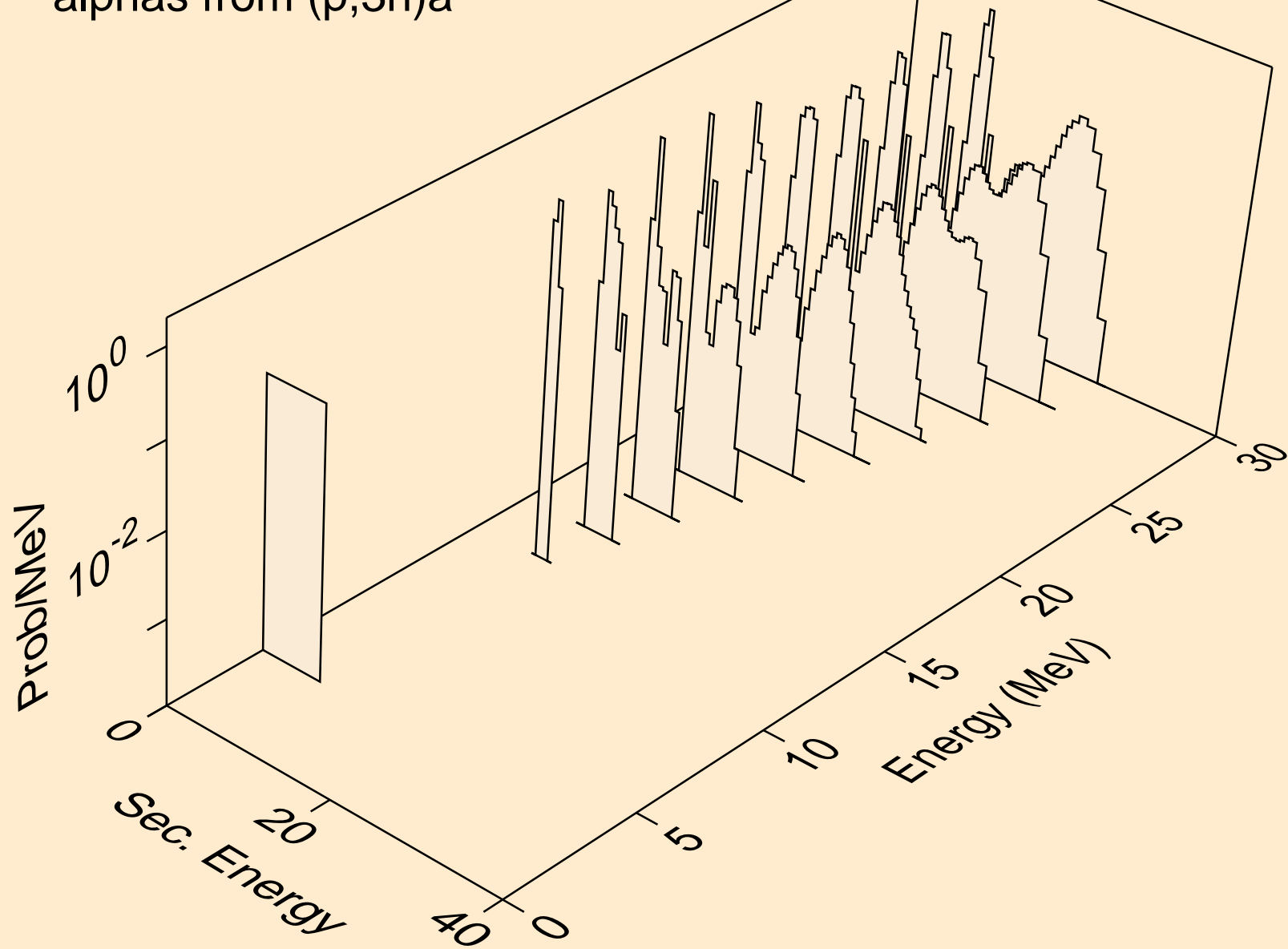
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alphas from (p,n\*)3a



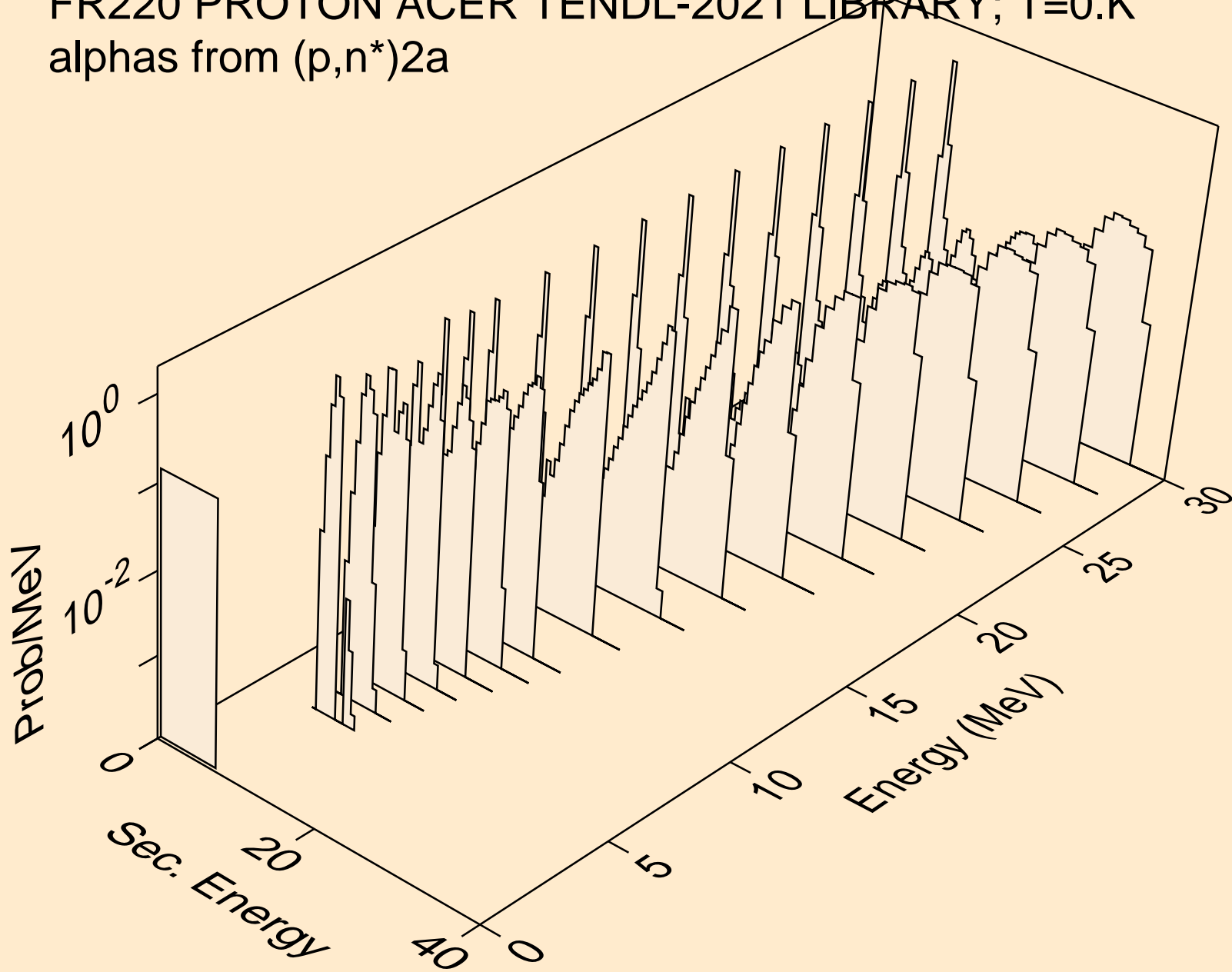
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alphas from (p,2n)a



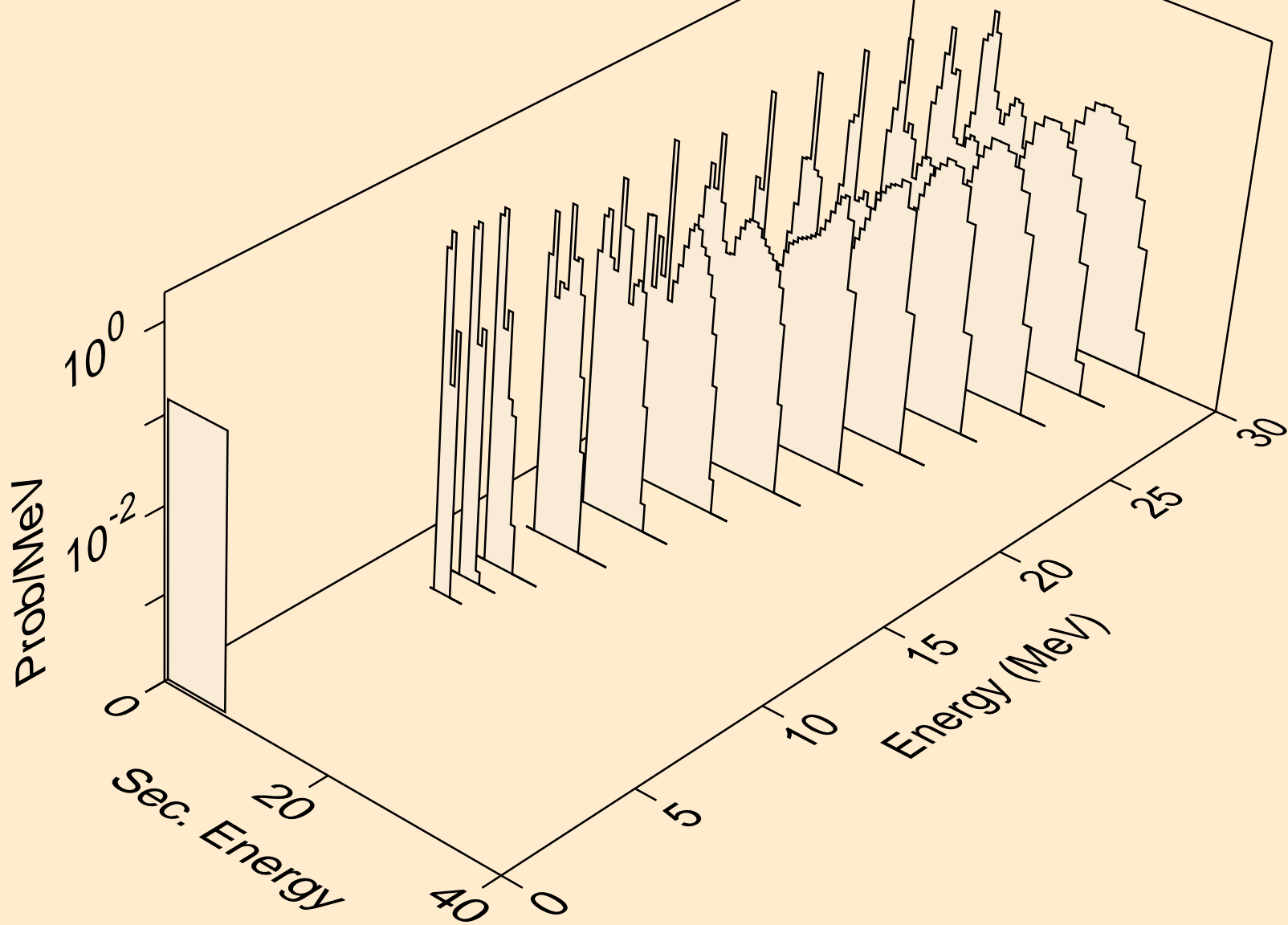
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alphas from (p,3n)a



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alphas from (p,n\*)2a

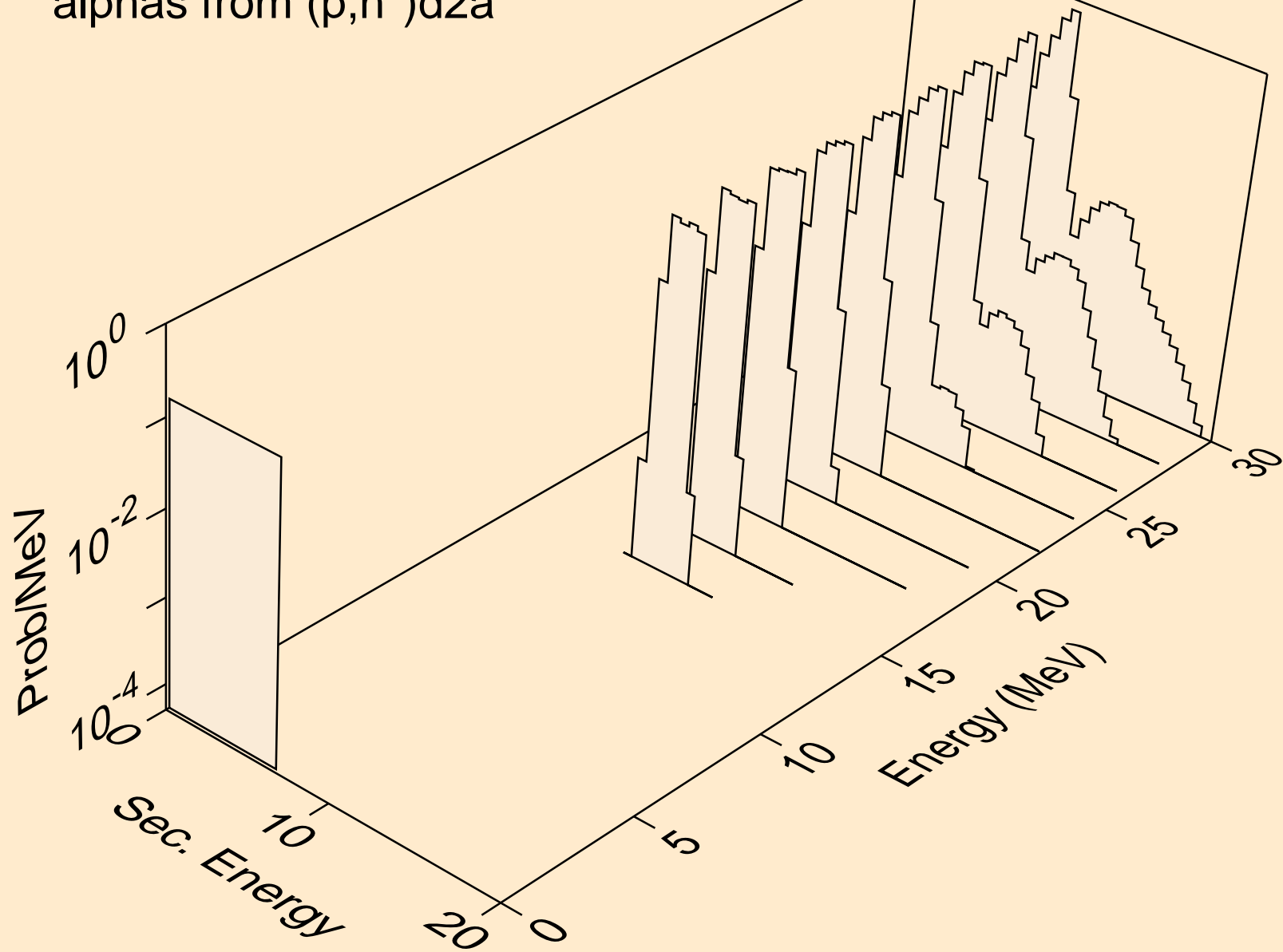


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alphas from (p,2n)2a

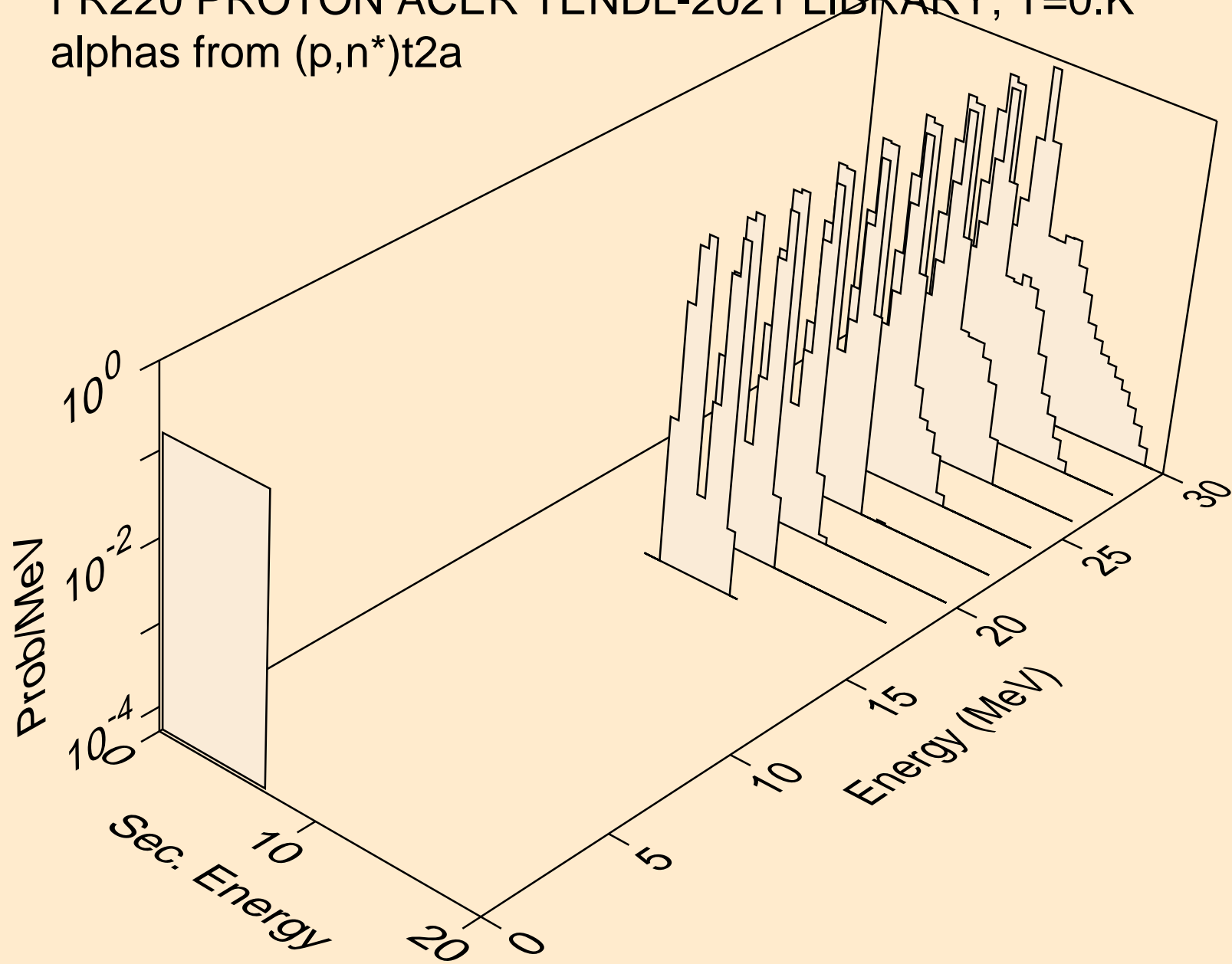




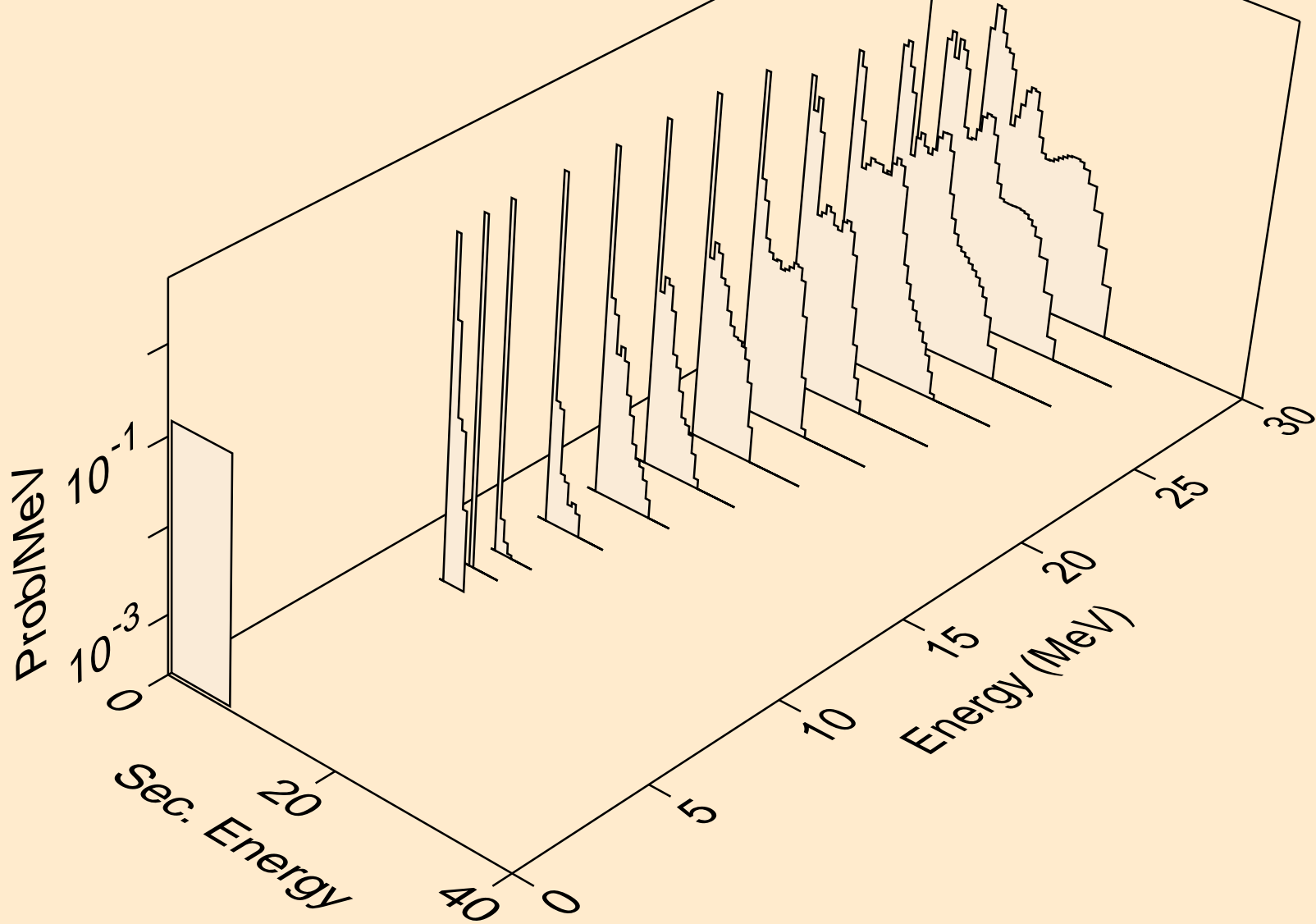
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alphas from (p,n\*)d2a



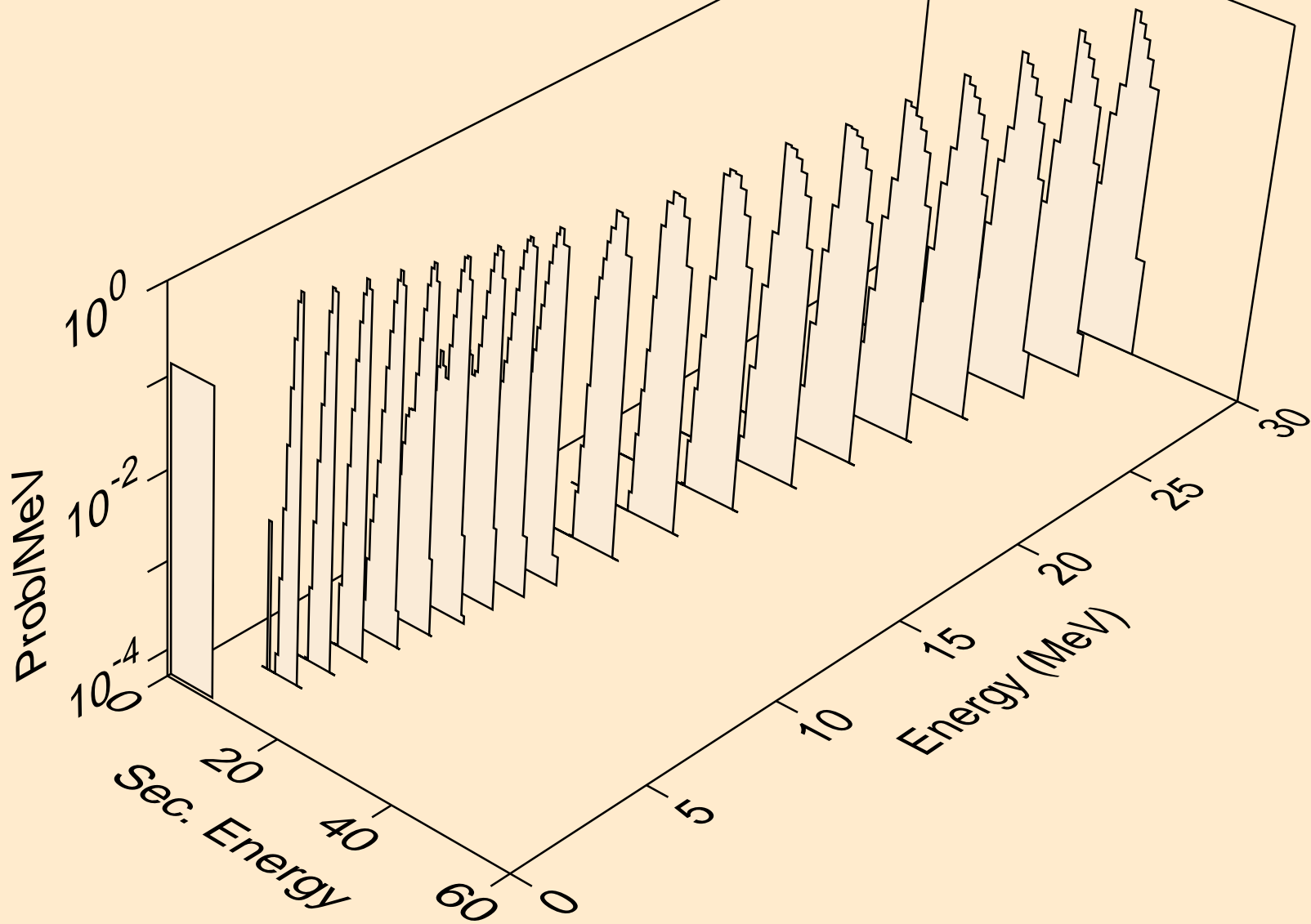
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alphas from (p,n\*)t2a



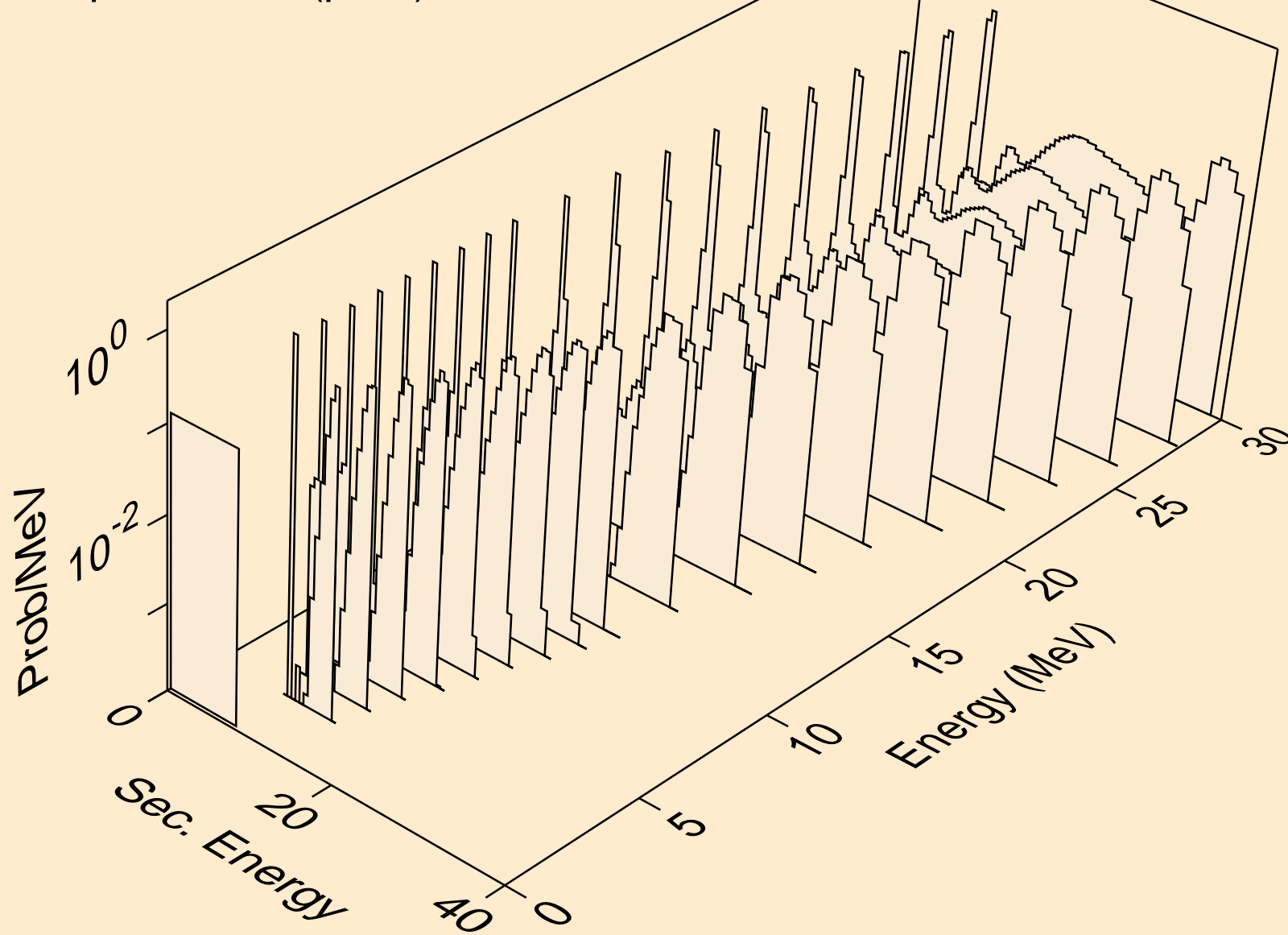
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alphas from (p,npa)



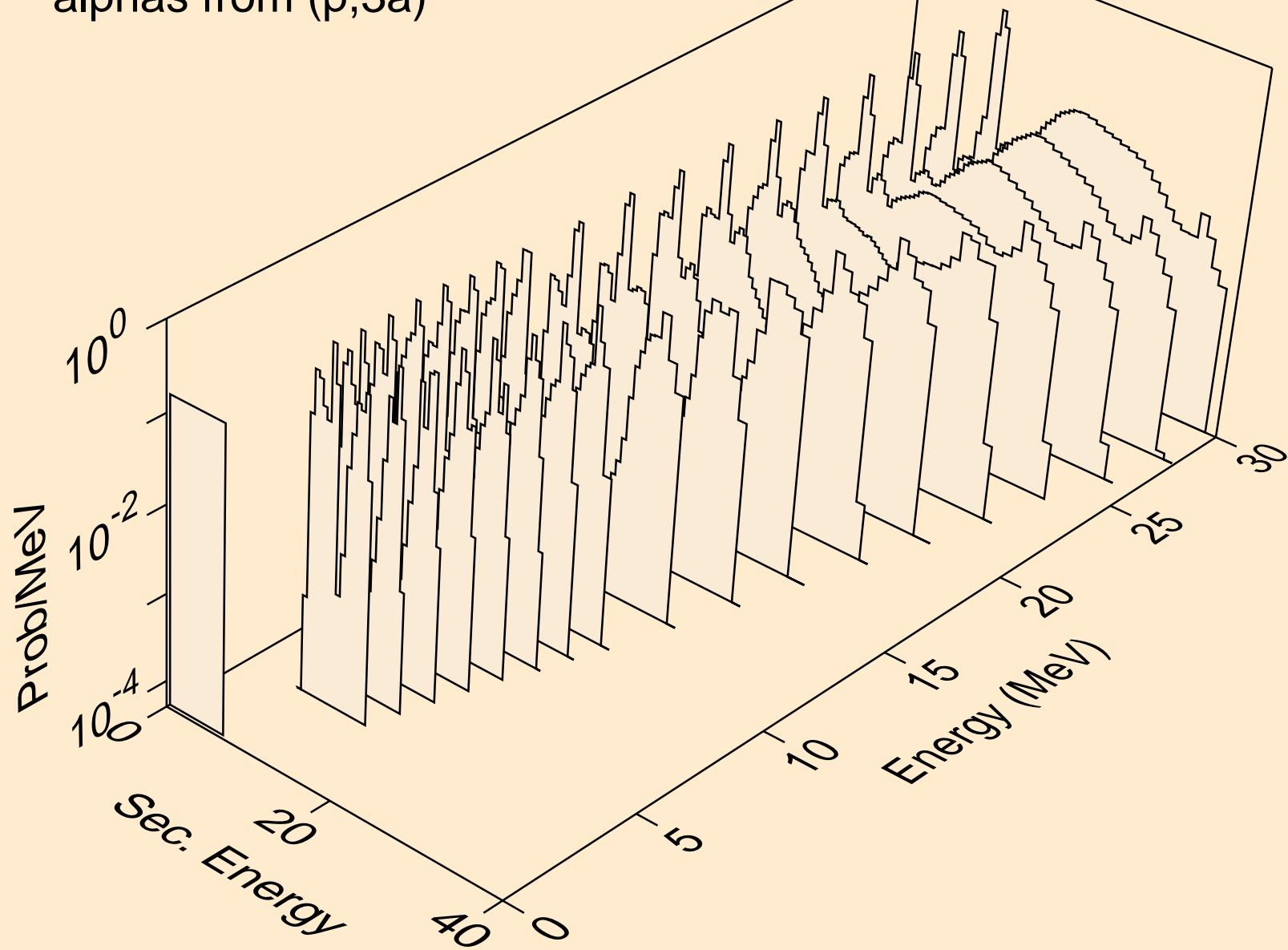
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alphas from (p,a)



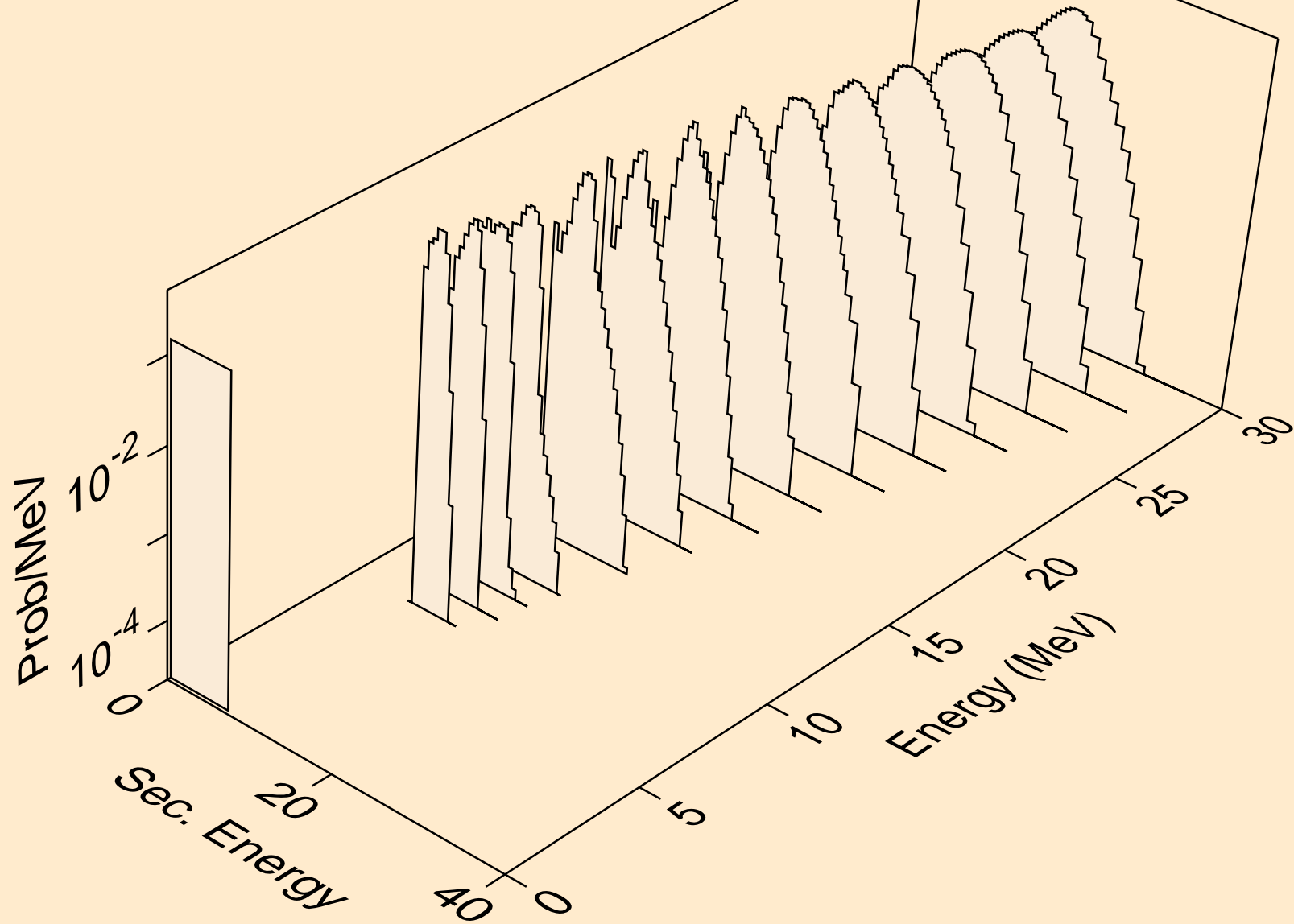
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alphas from (p,2a)



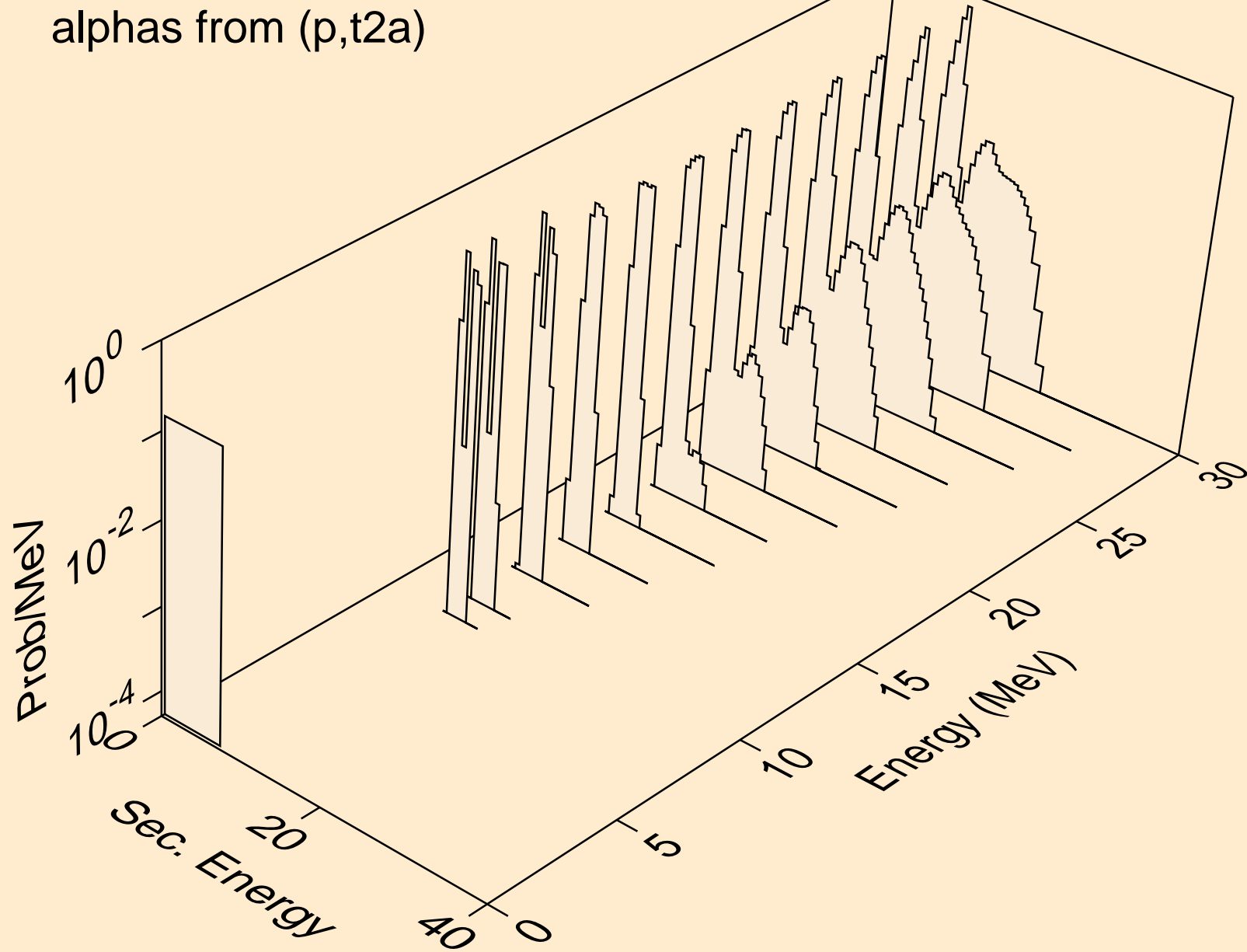
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alphas from (p,3a)



FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,pa)



FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,t2a)





FR220 PROTON ACER TENDL-2021 LIBRARY; T=0.K  
alphas from (p,da)

