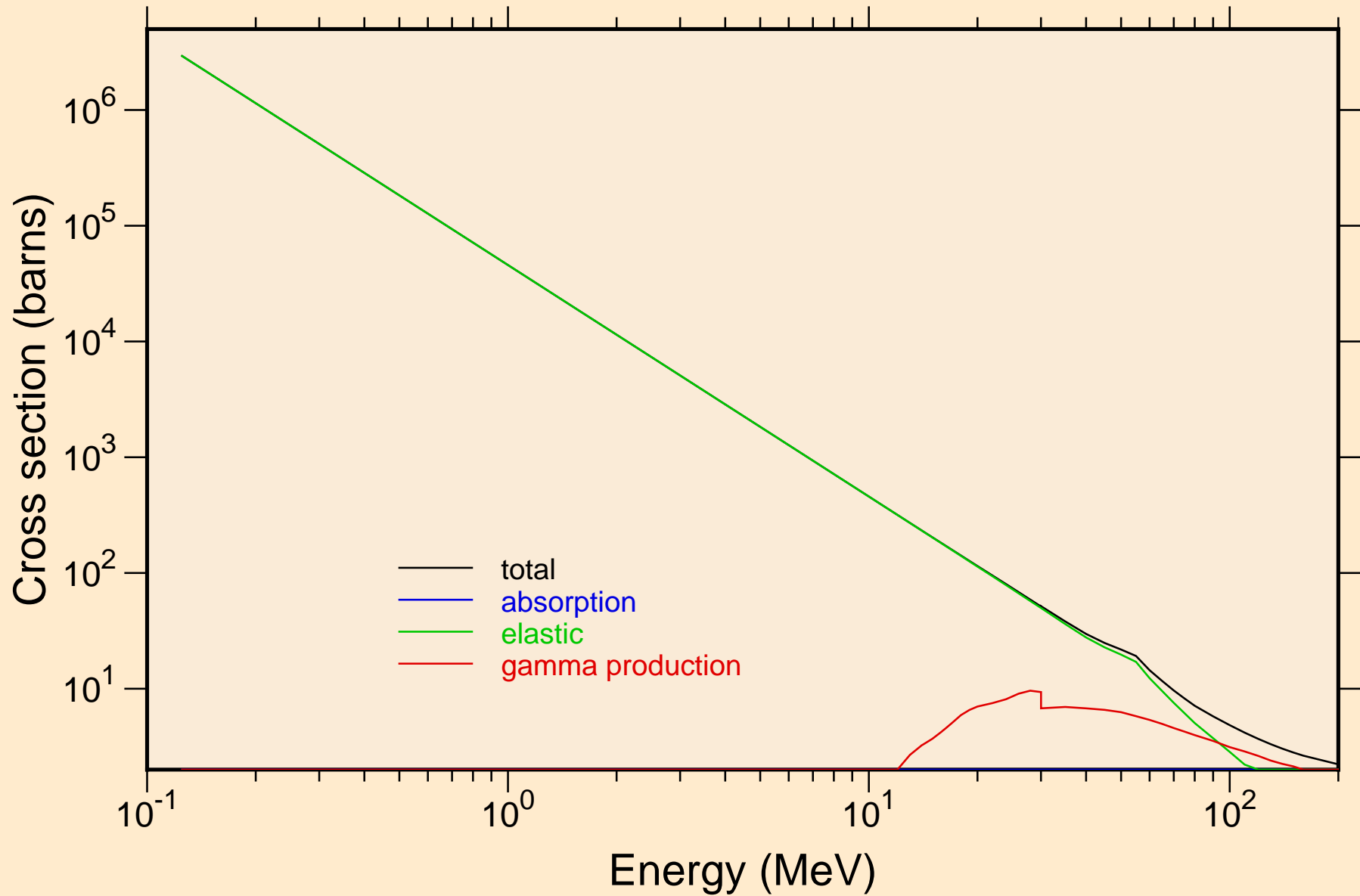
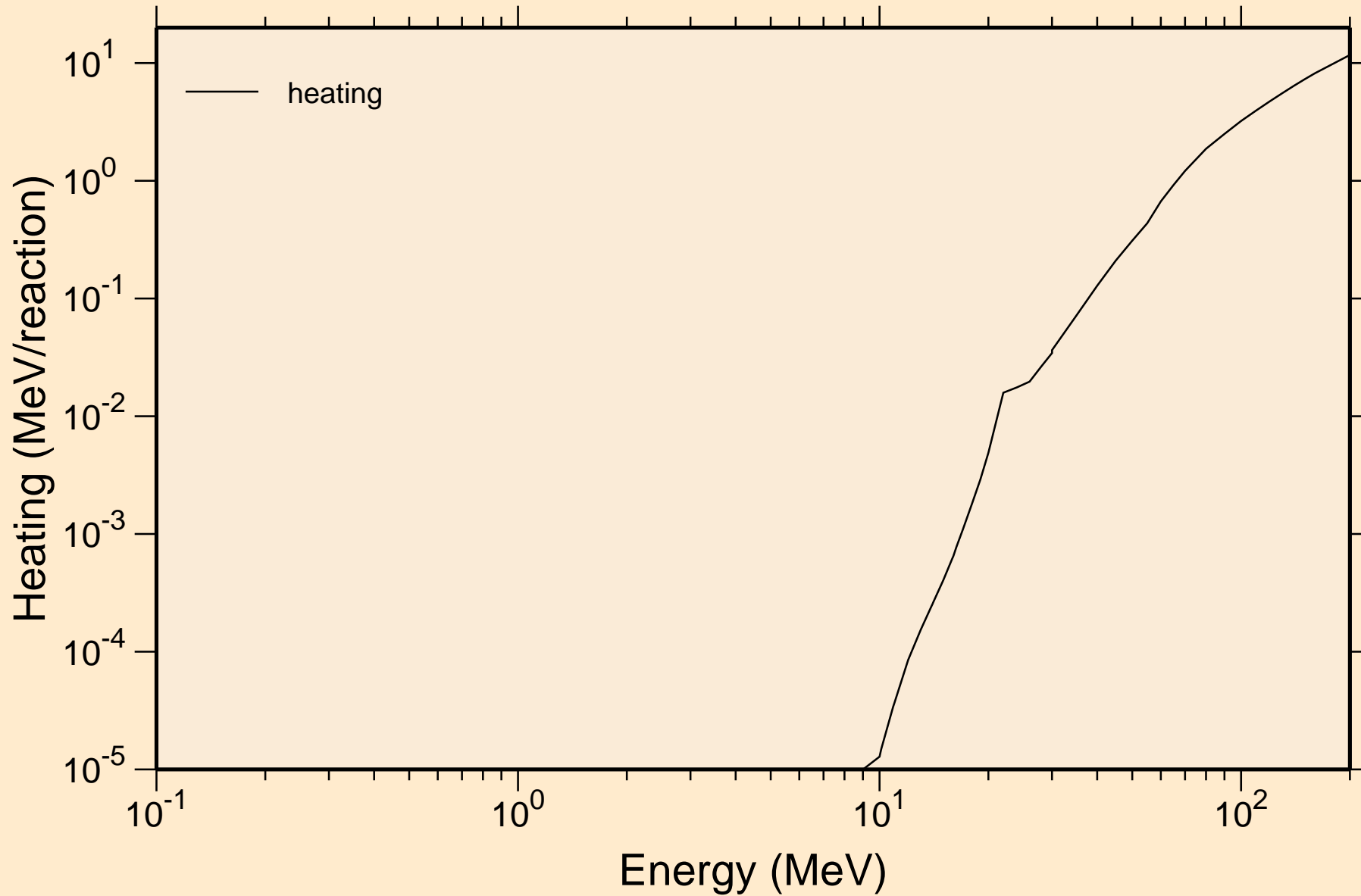


# RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

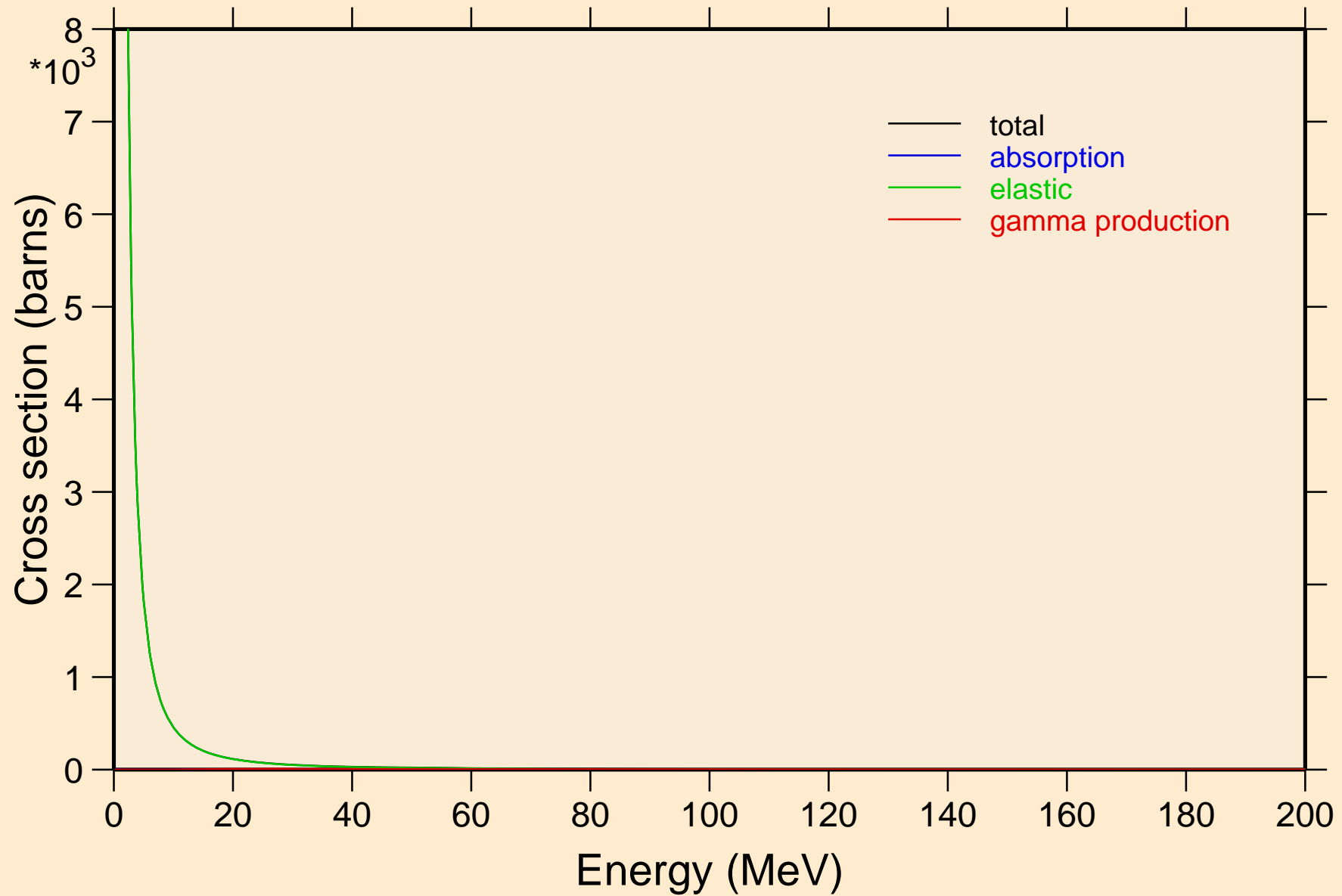


RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



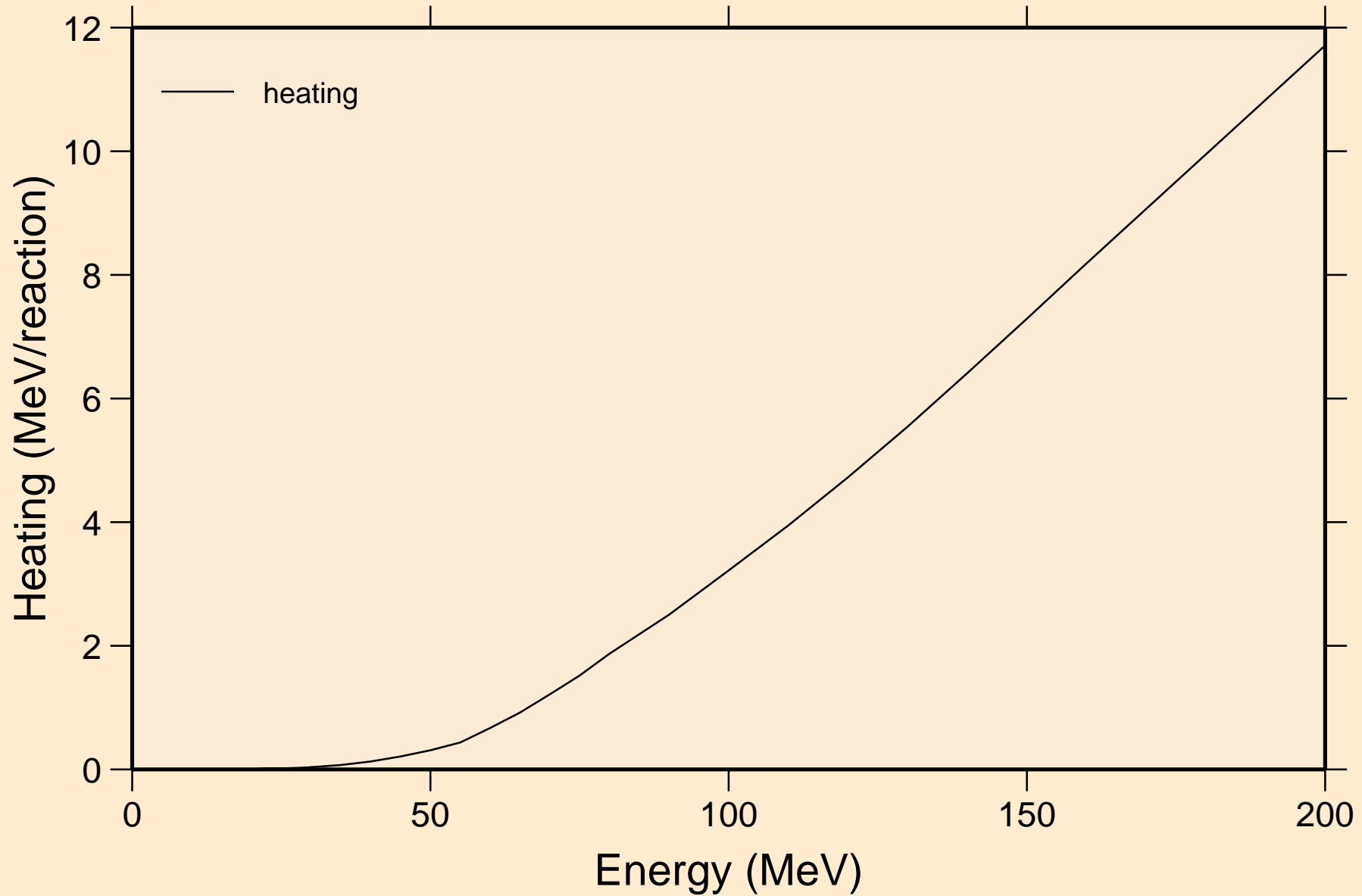
# RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



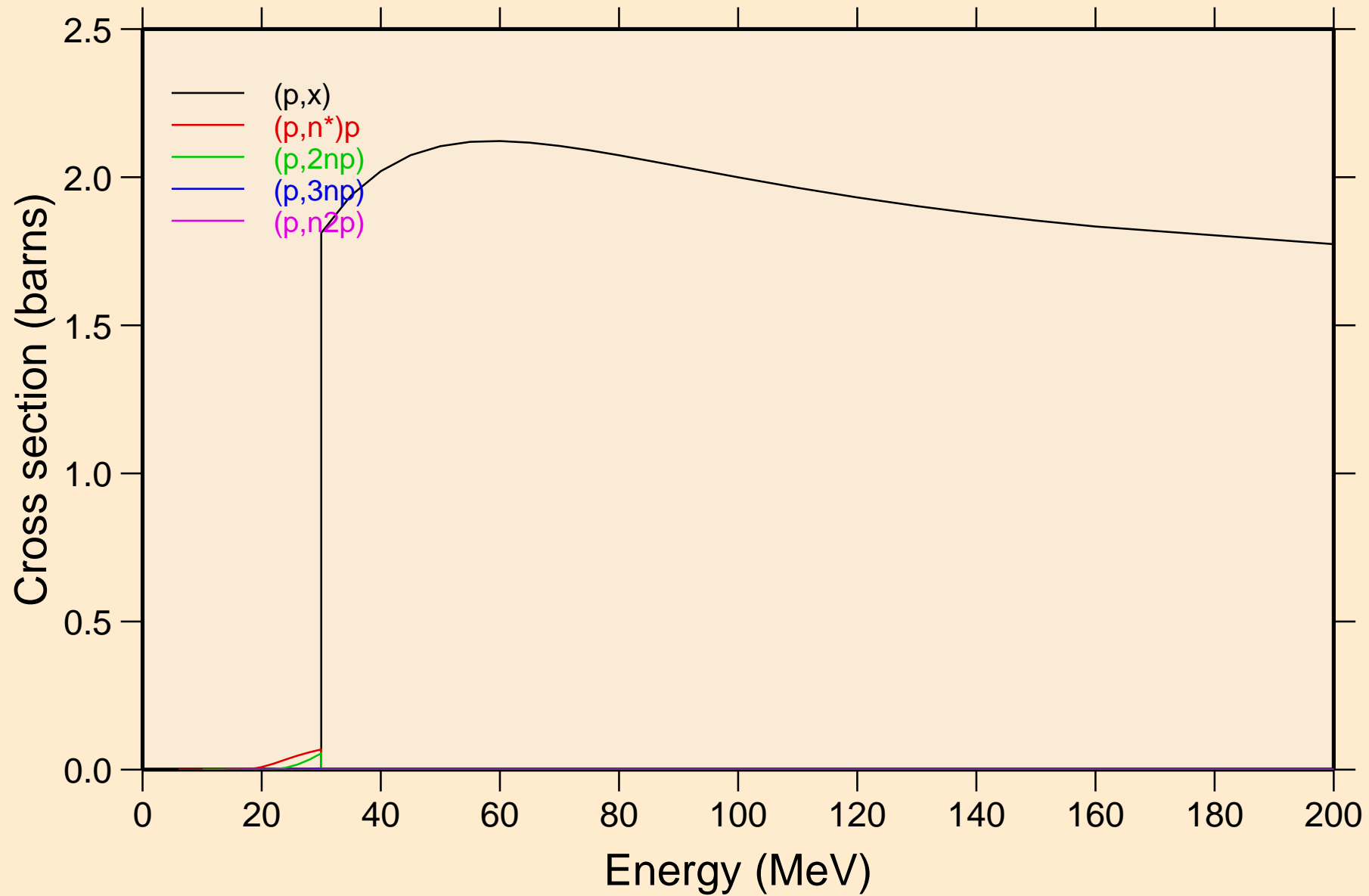
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## Heating



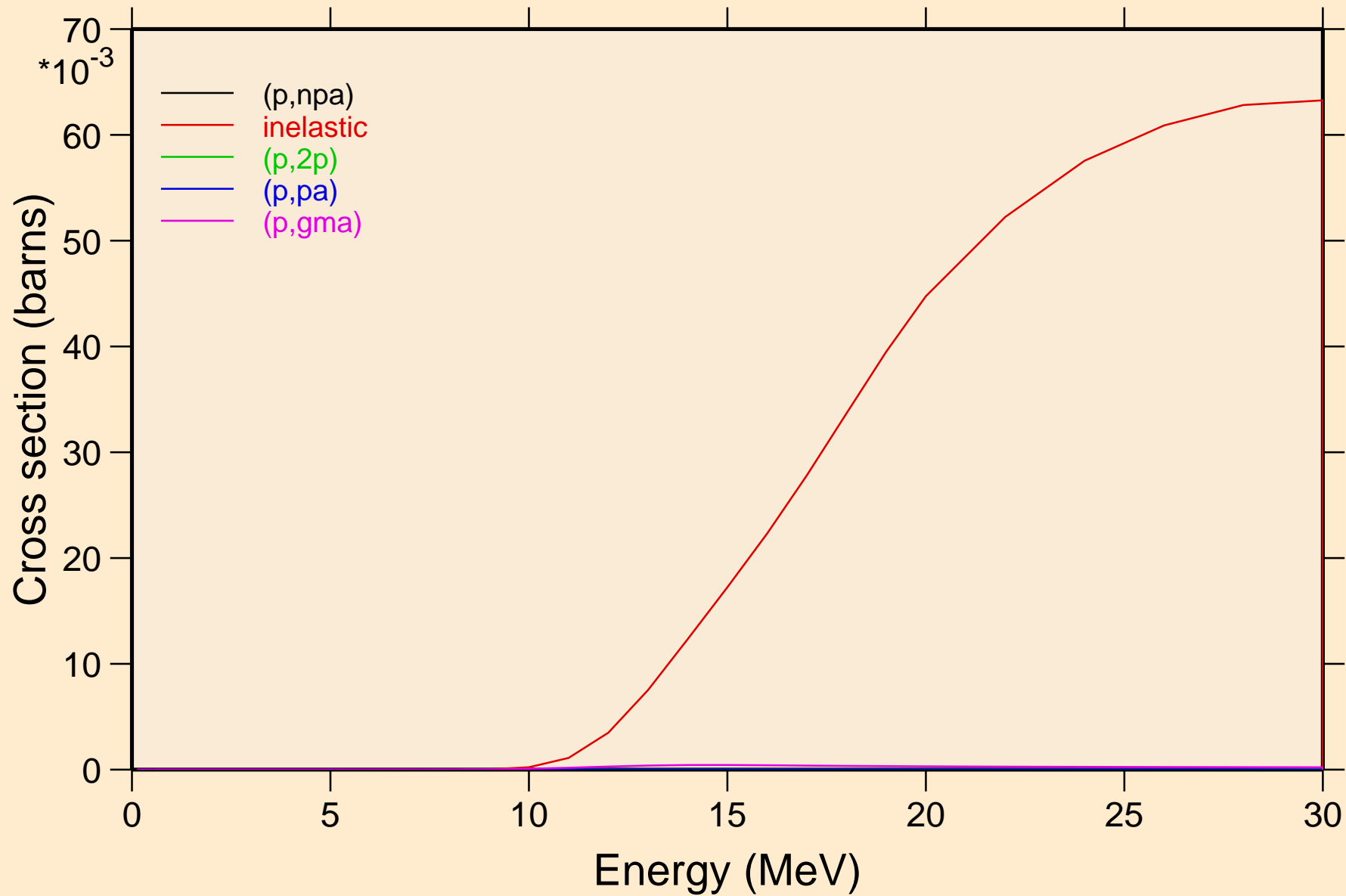
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## Threshold reactions



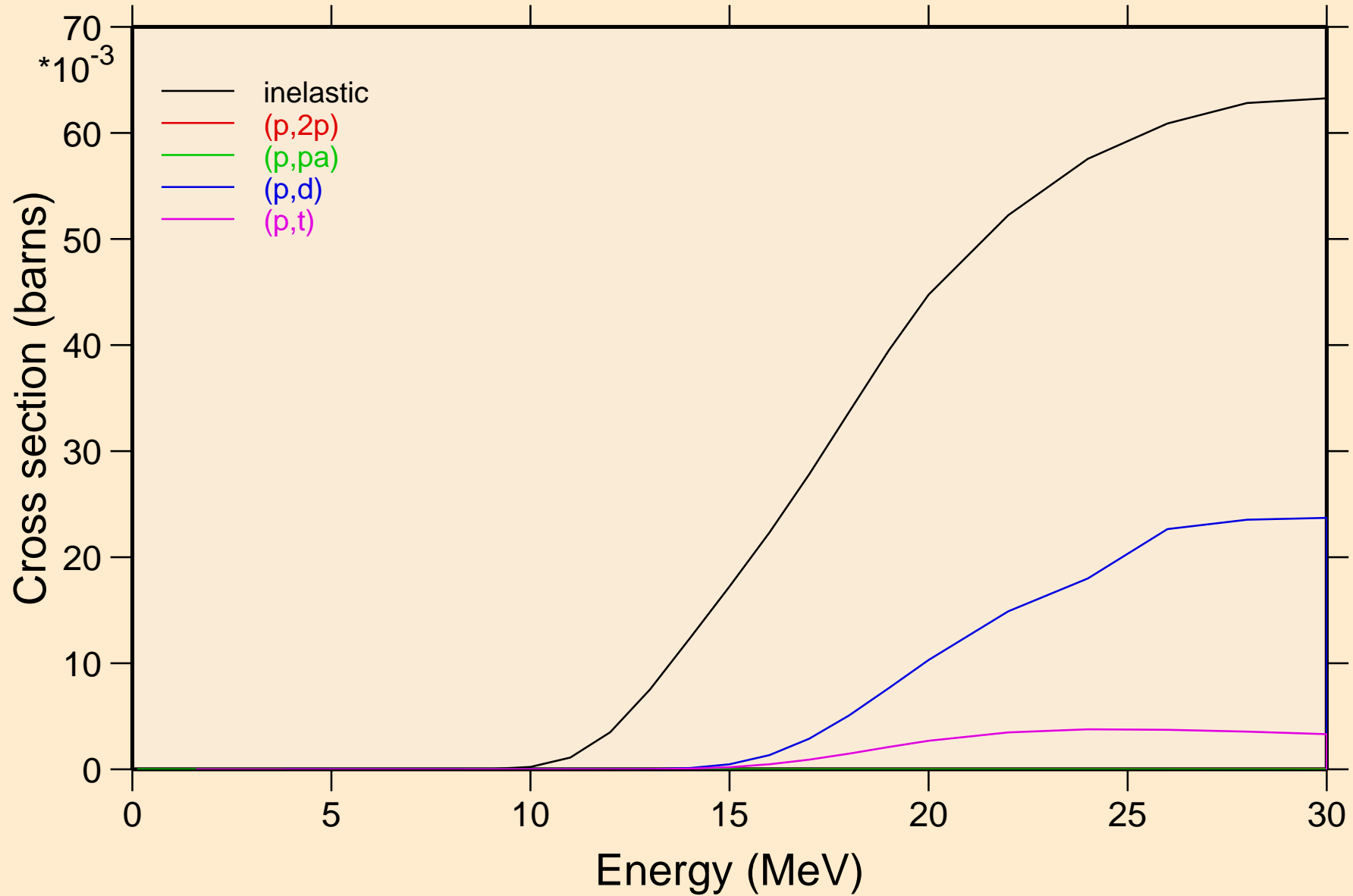
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## Threshold reactions

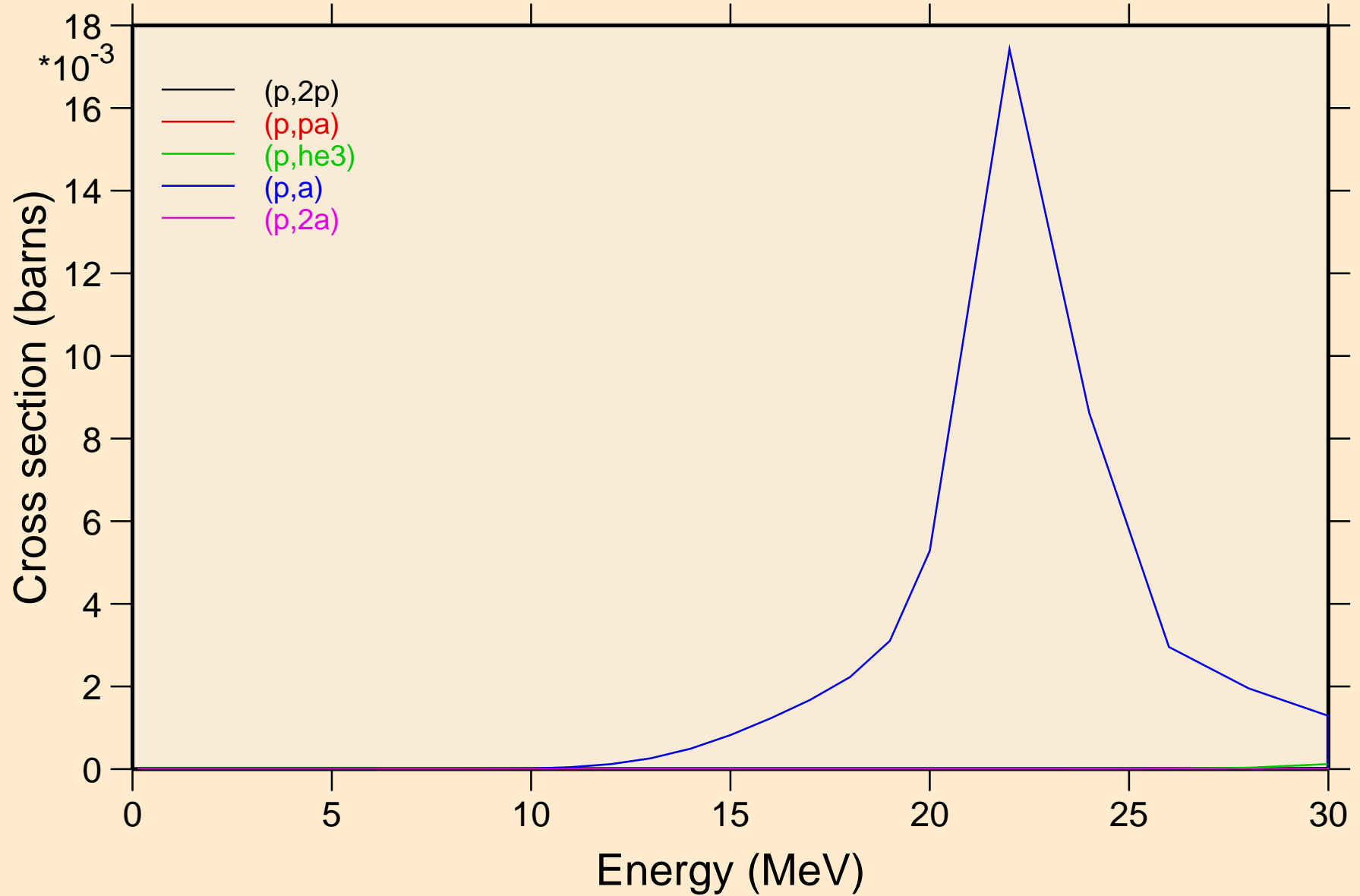


# RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

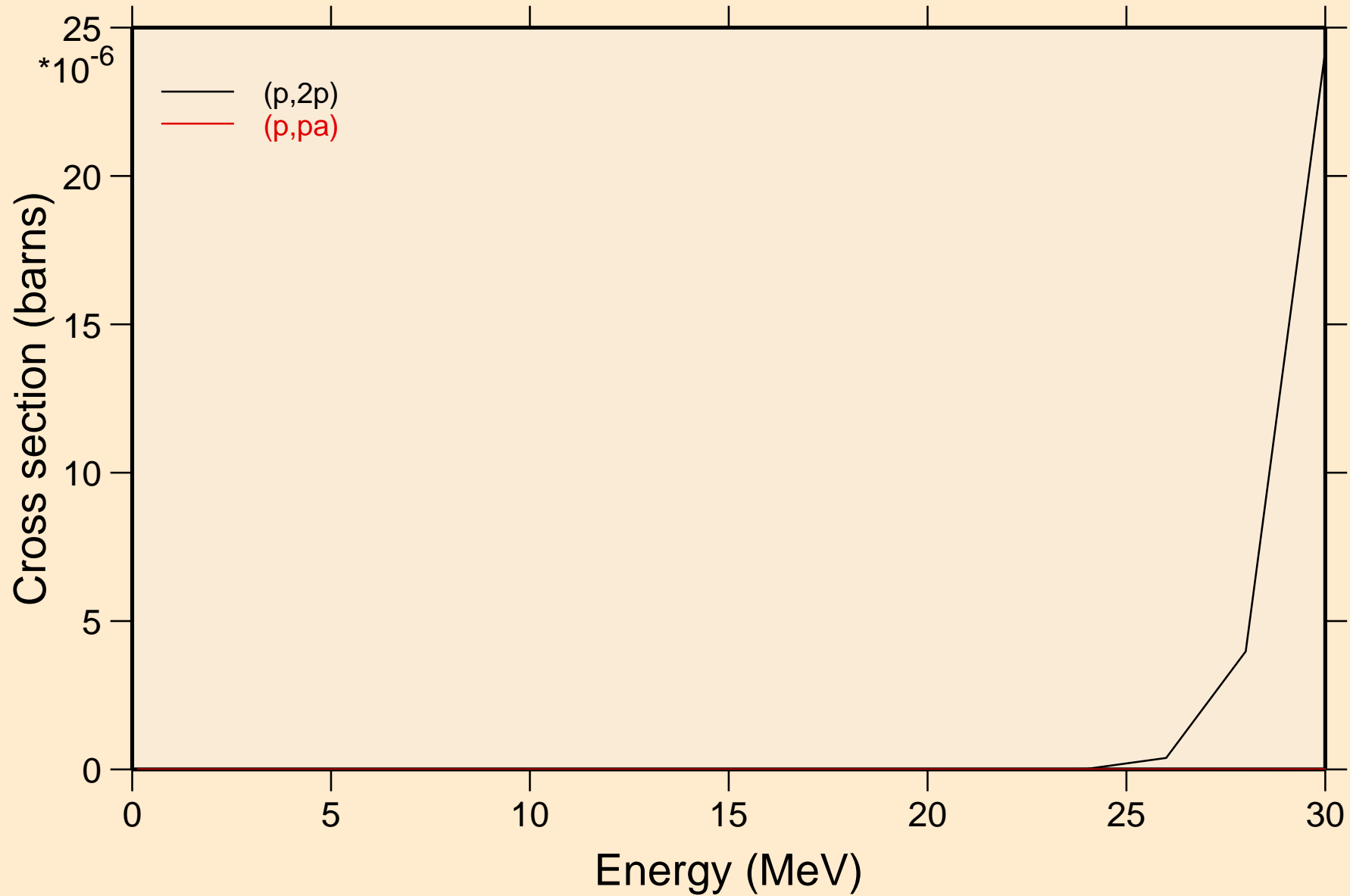


RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

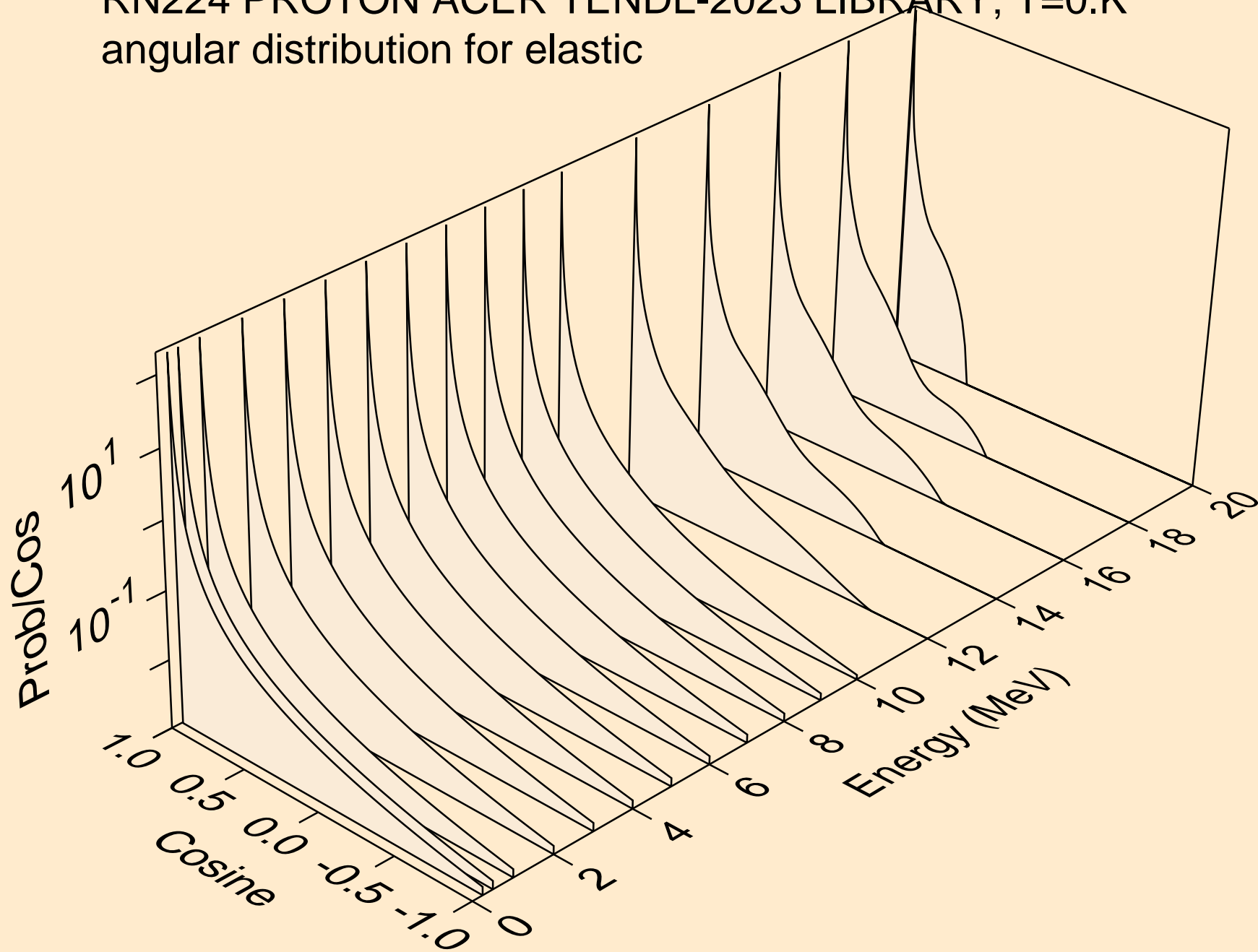




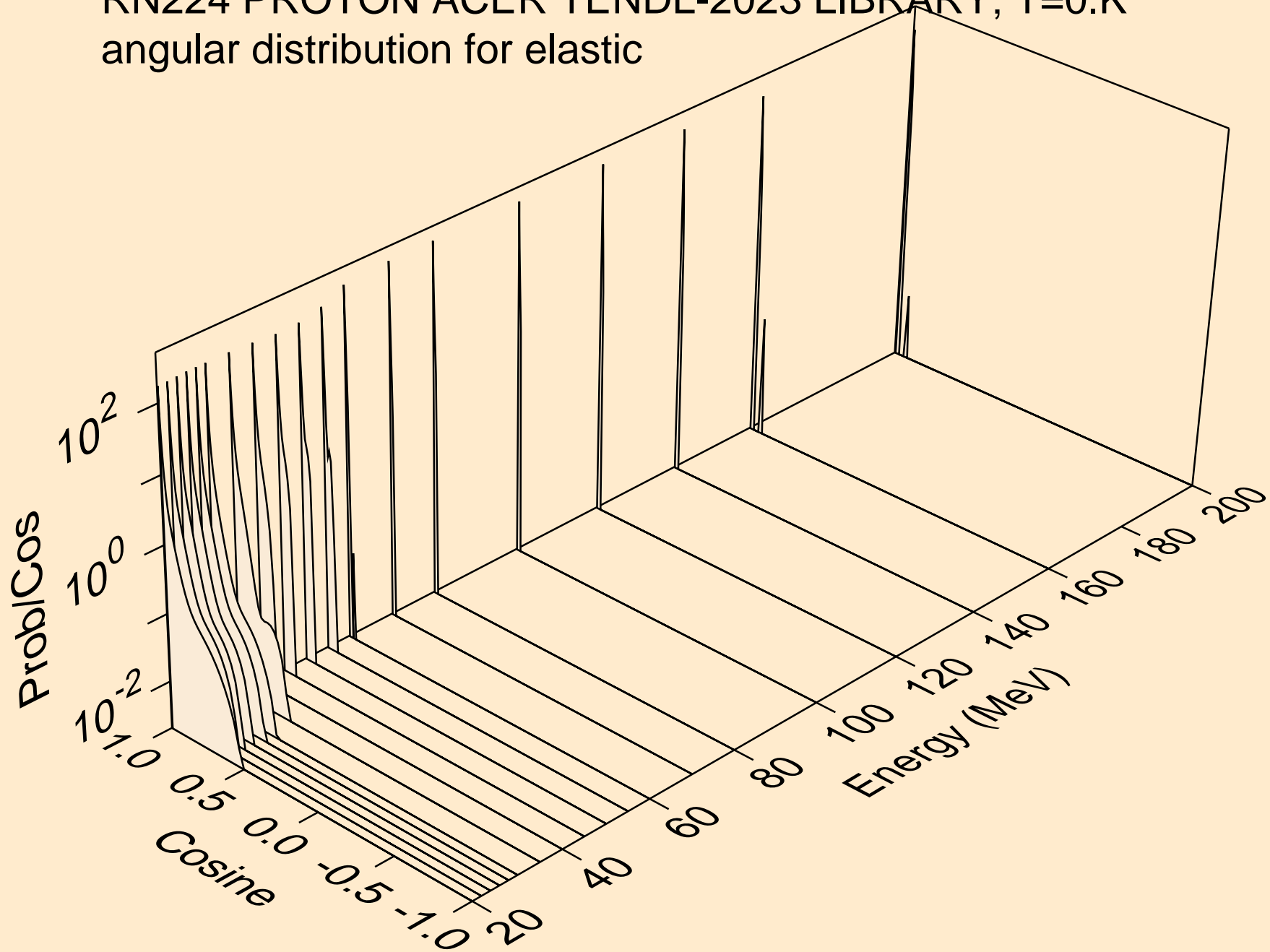
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Threshold reactions



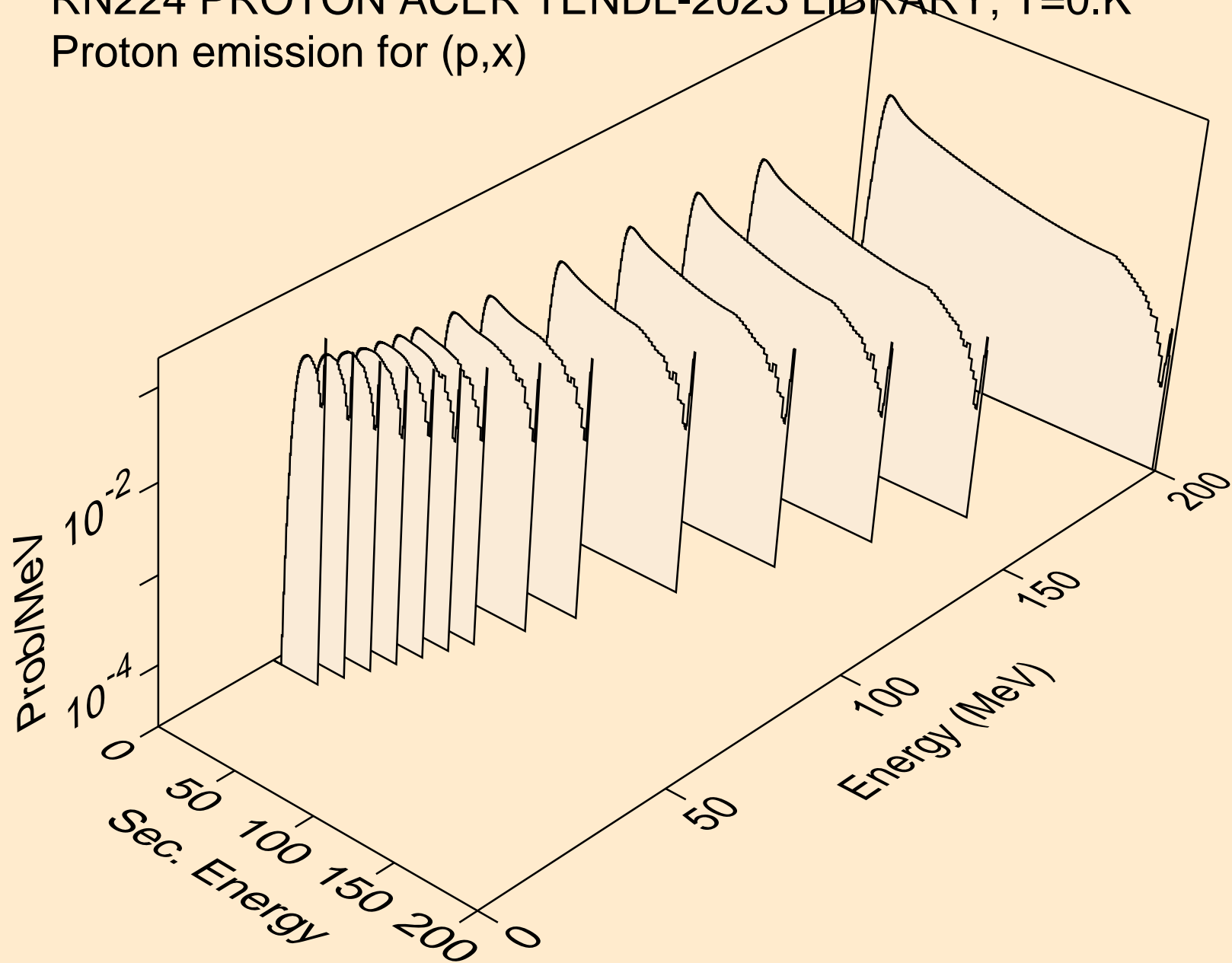
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angular distribution for elastic



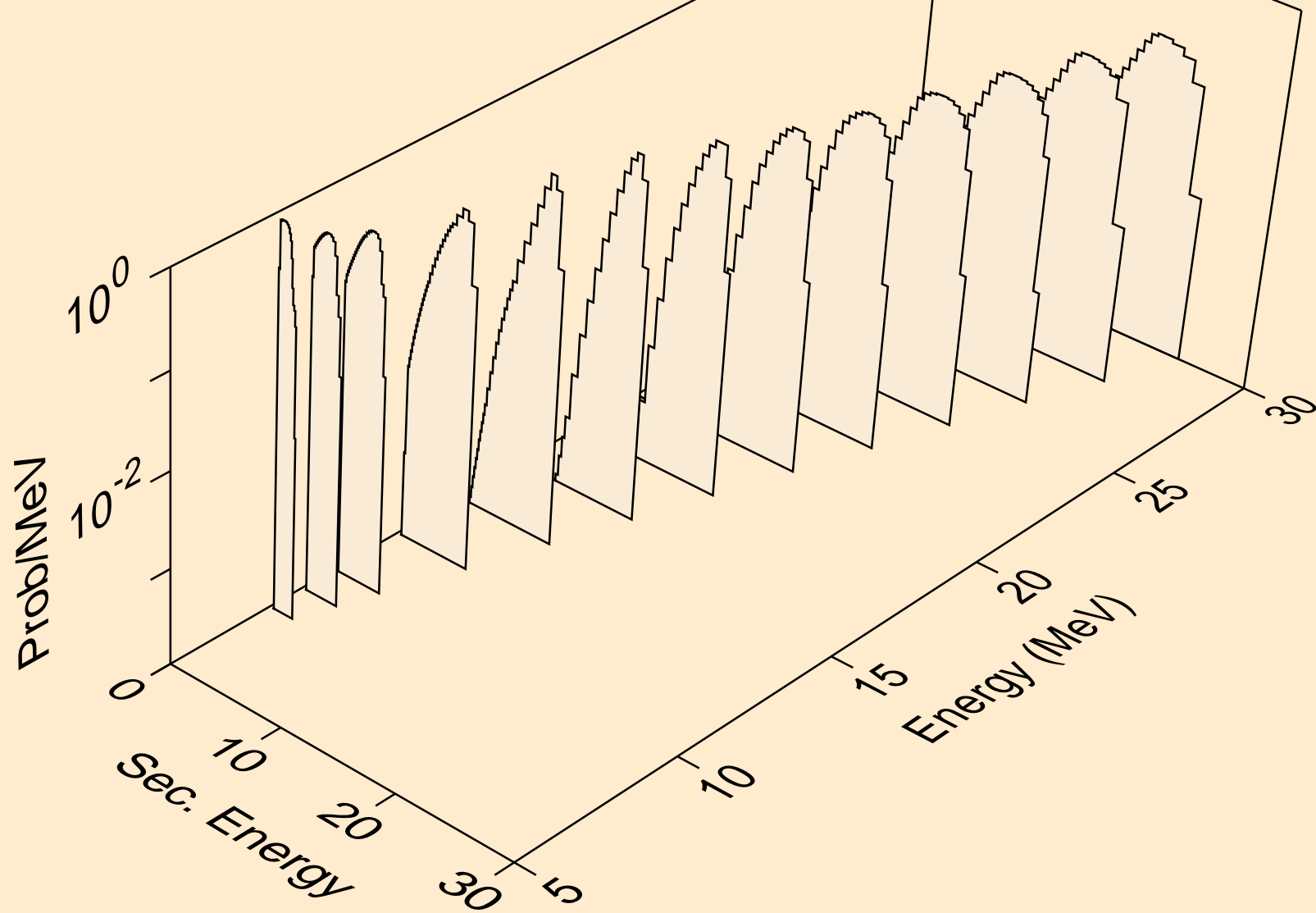
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angular distribution for elastic



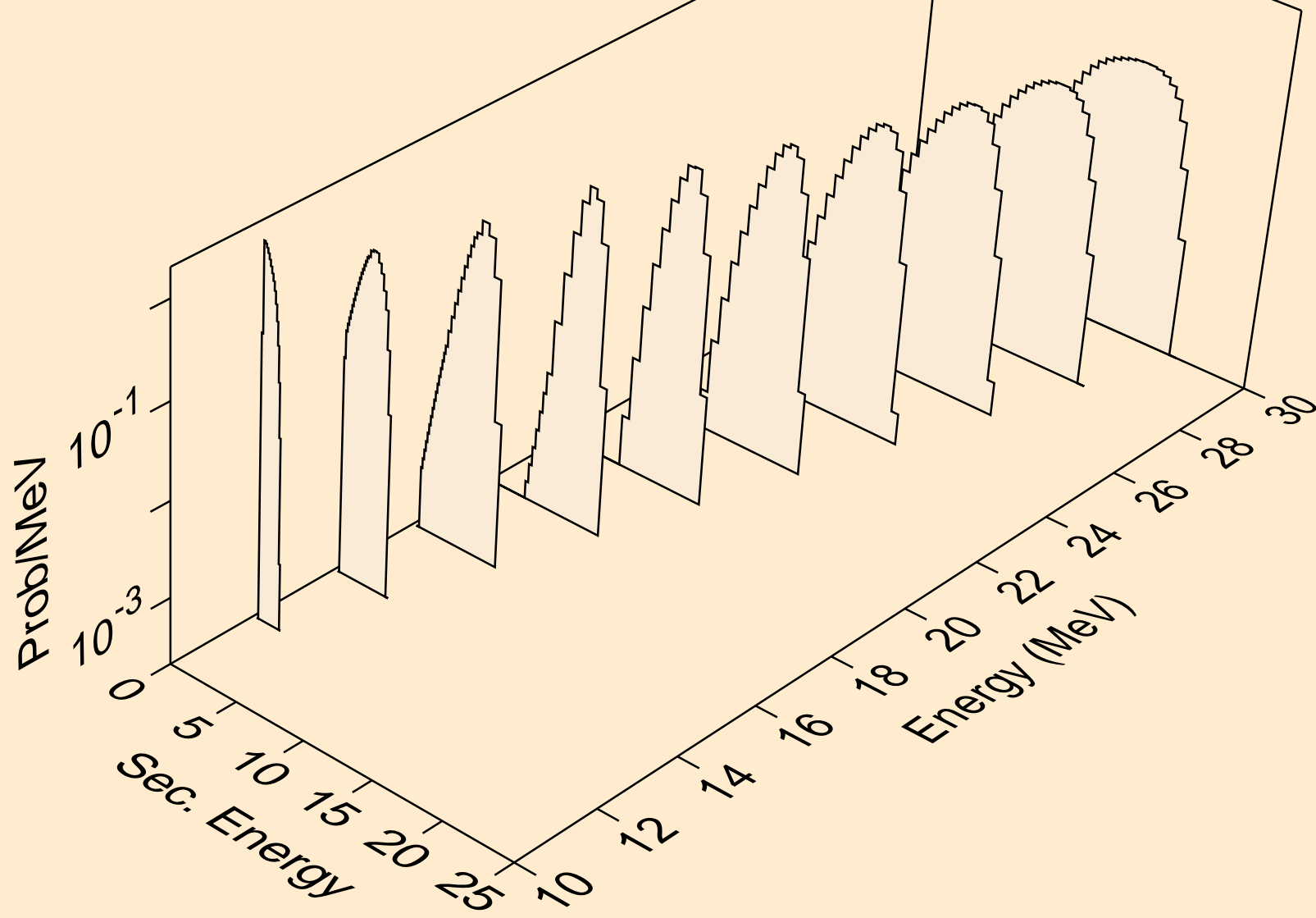
RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,x)



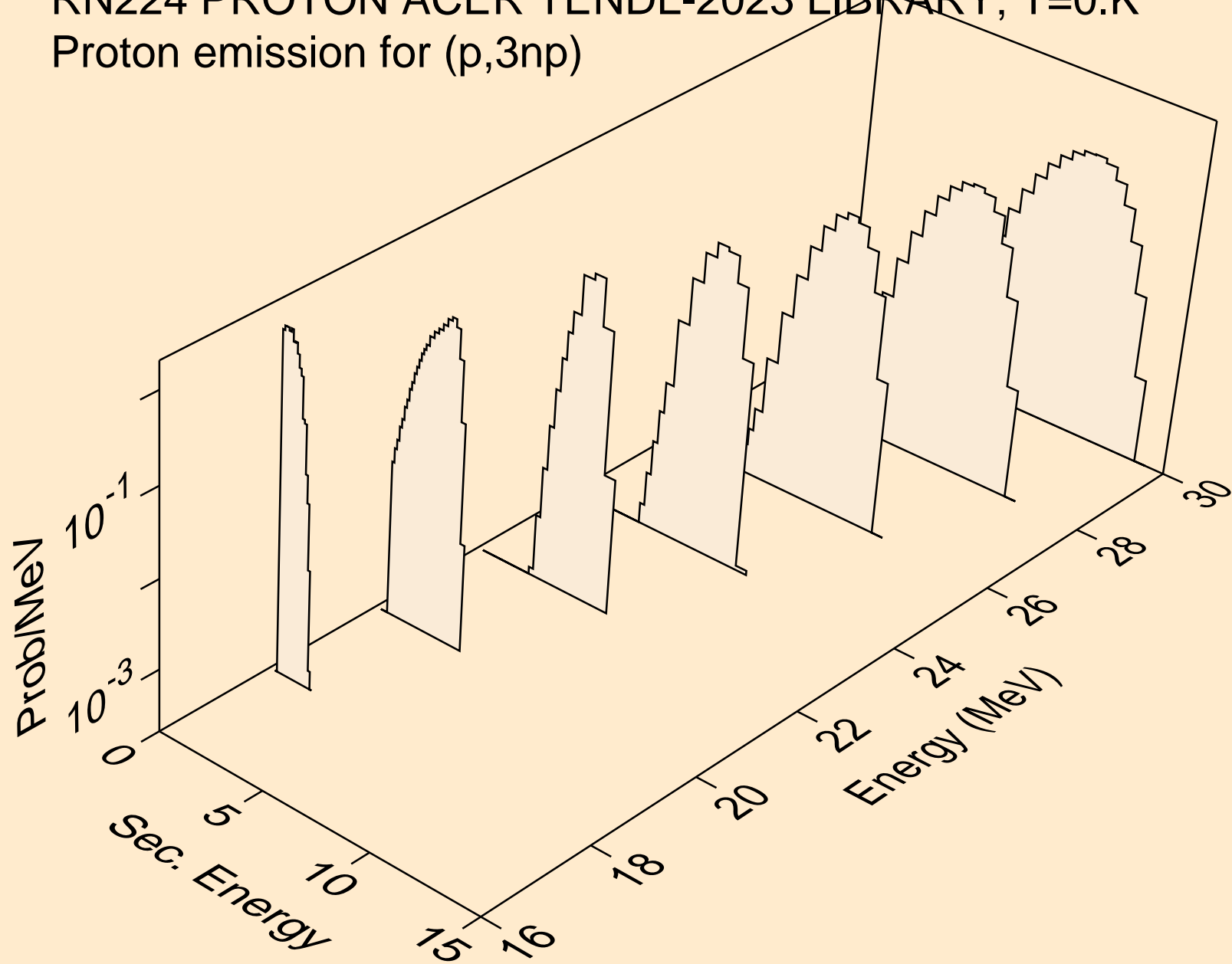
RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n\*)p



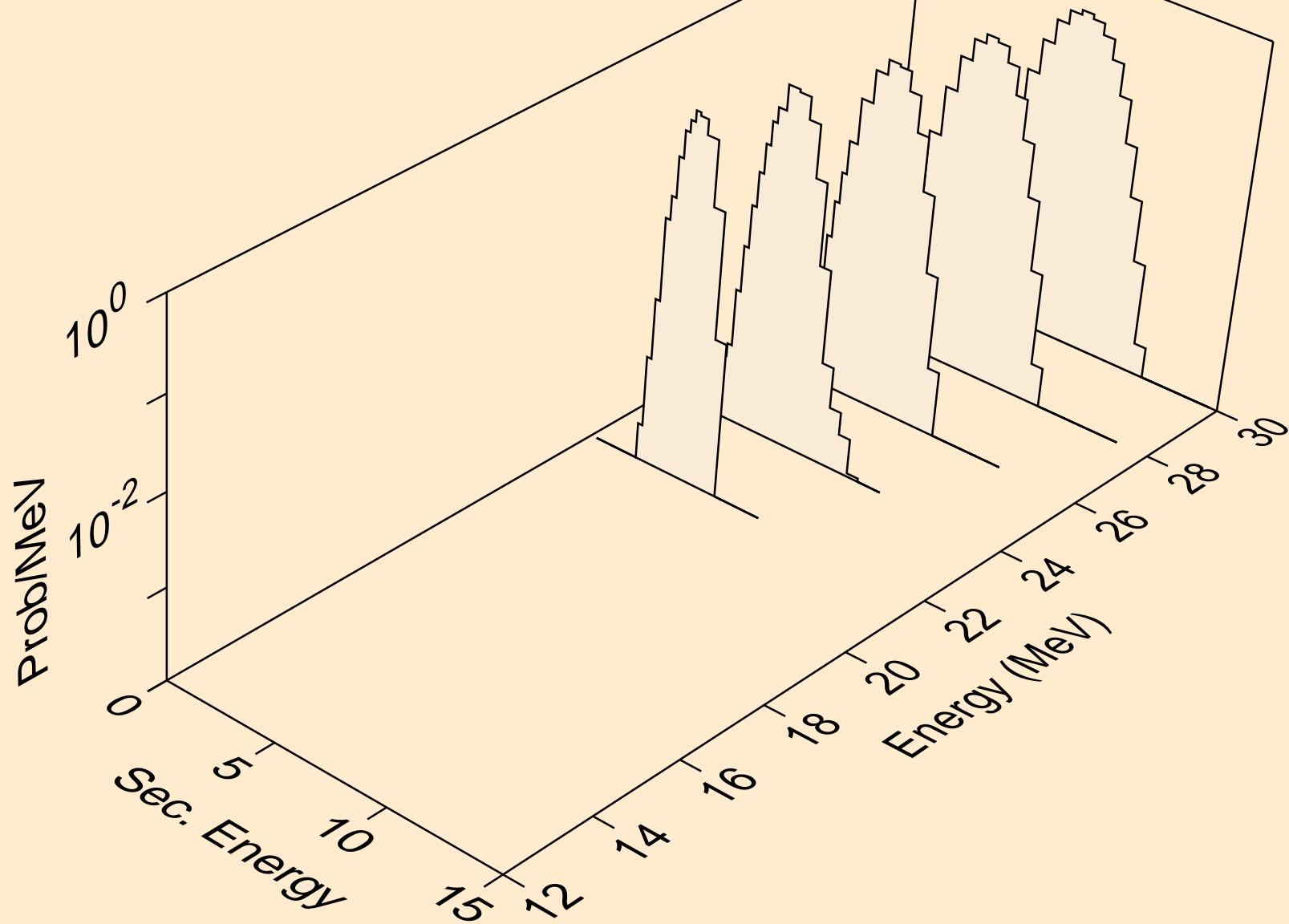
RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,2np)



RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,3np)

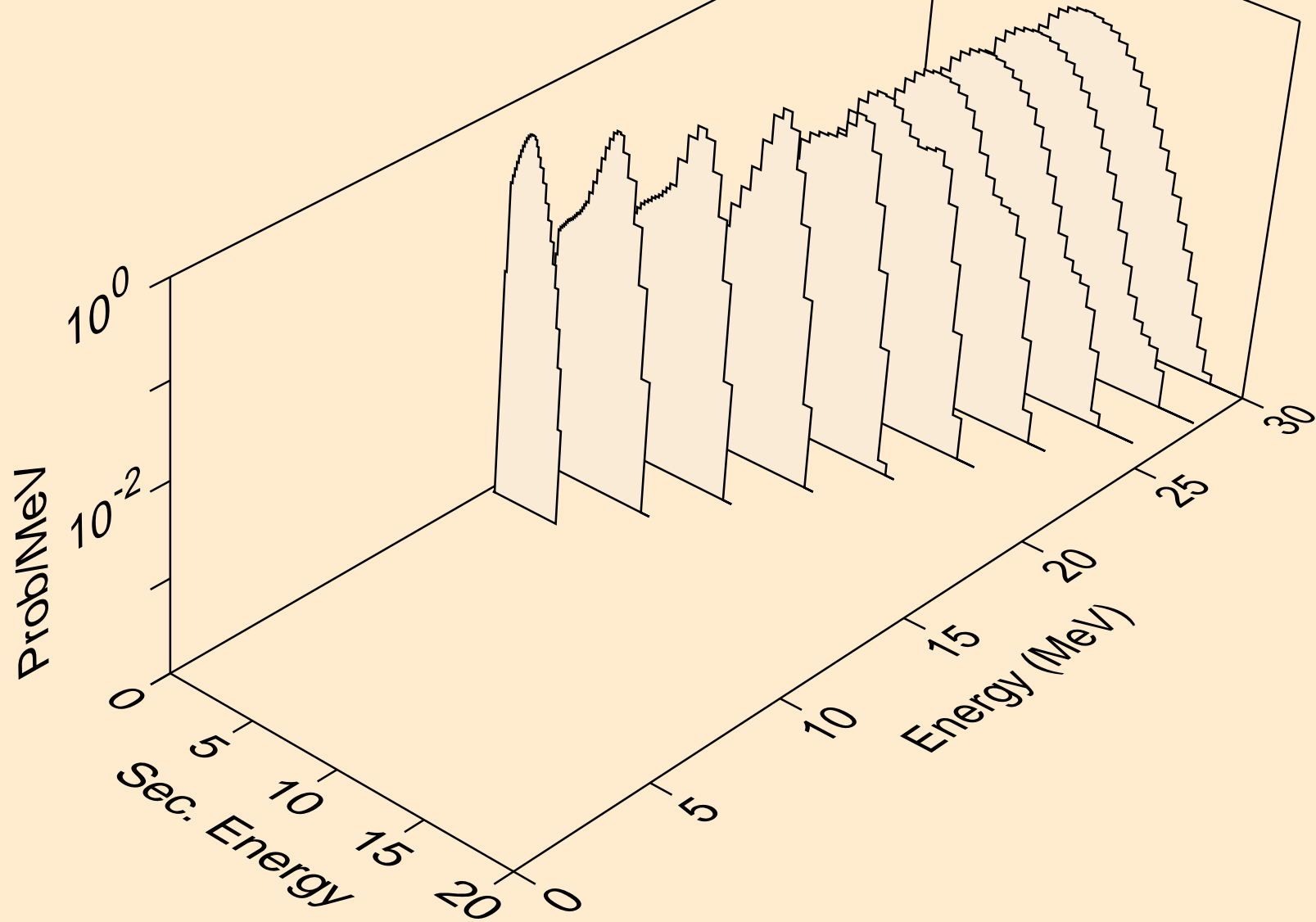


RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for (p,n2p)

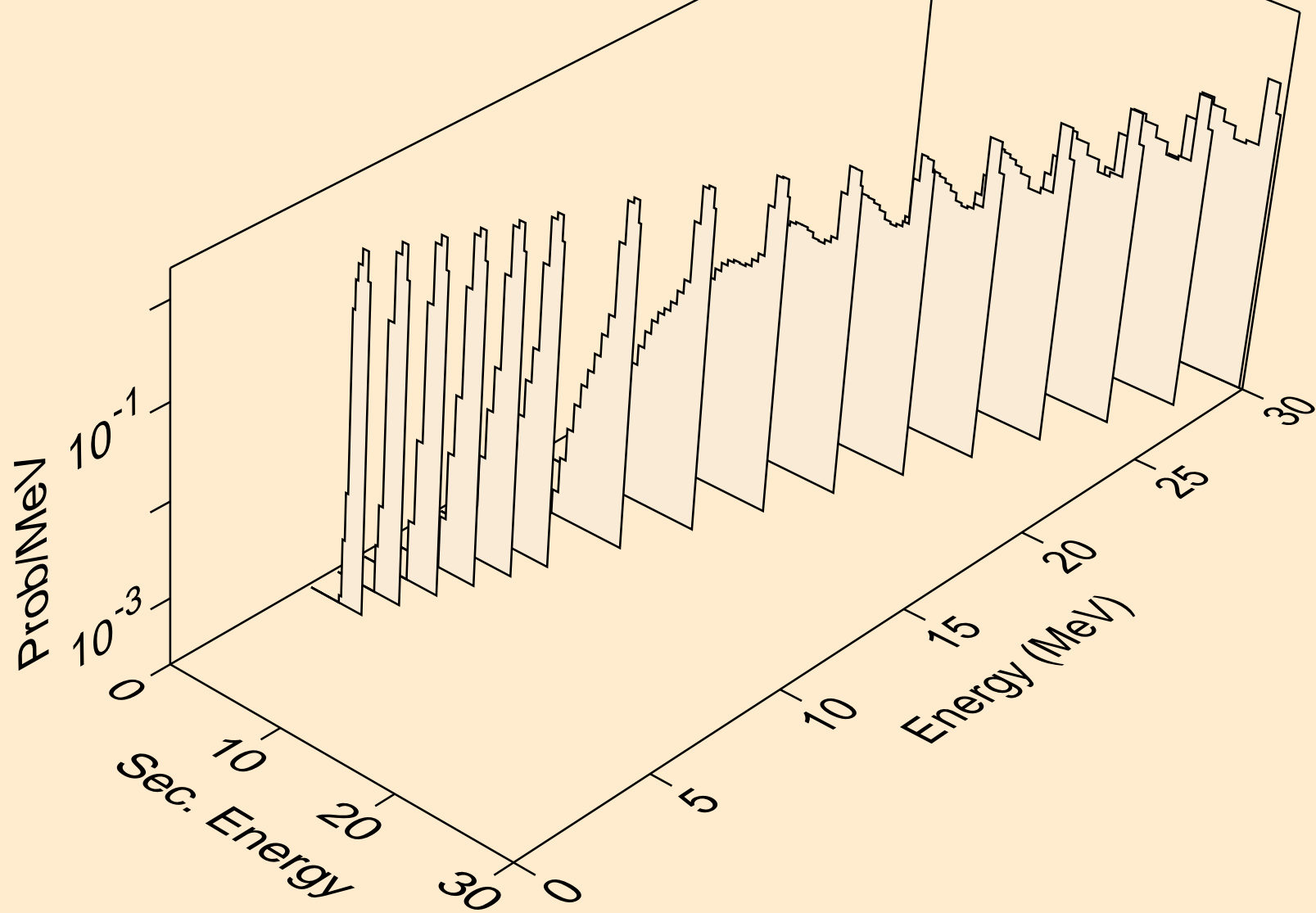




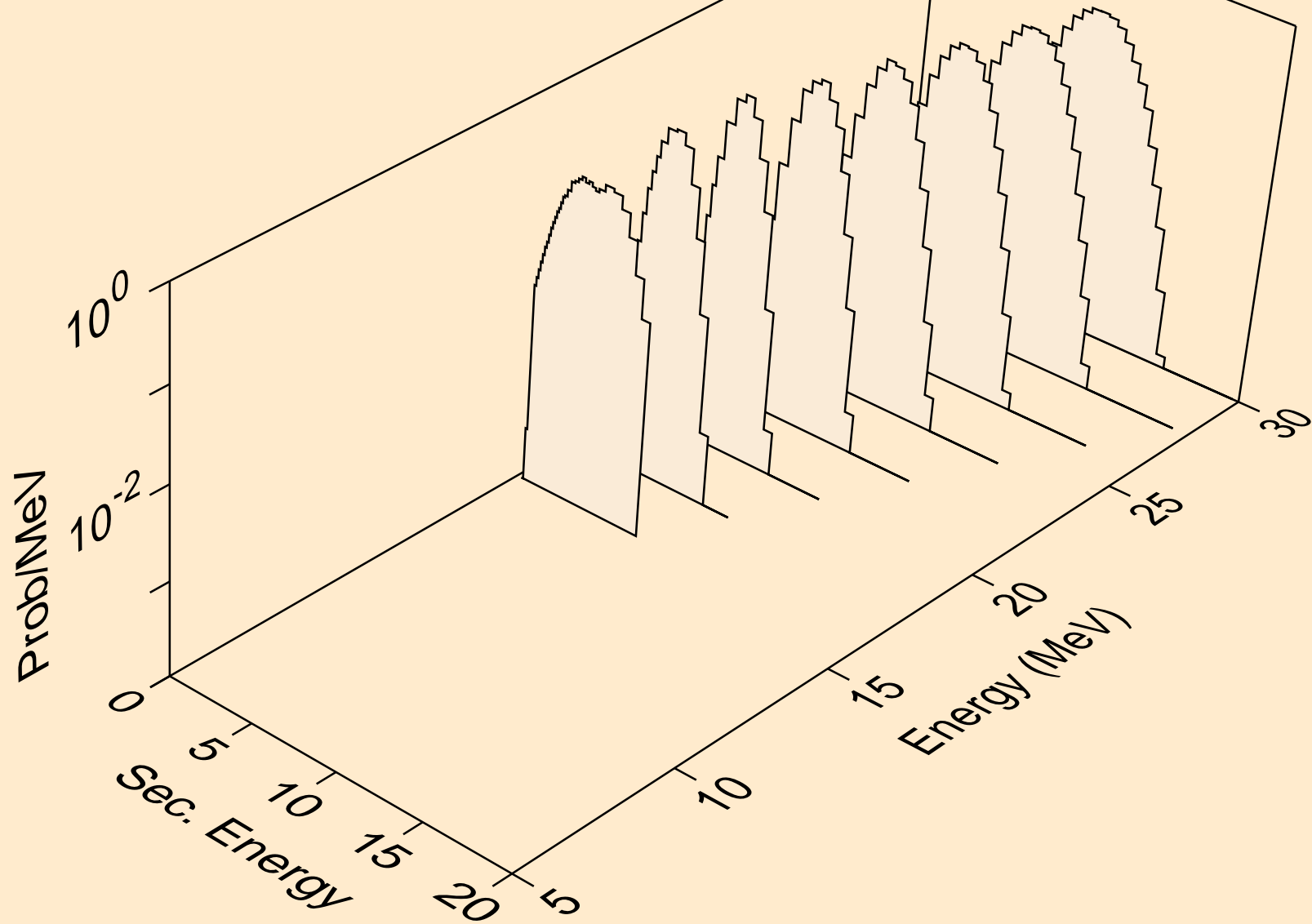
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Proton emission for (p,npa)



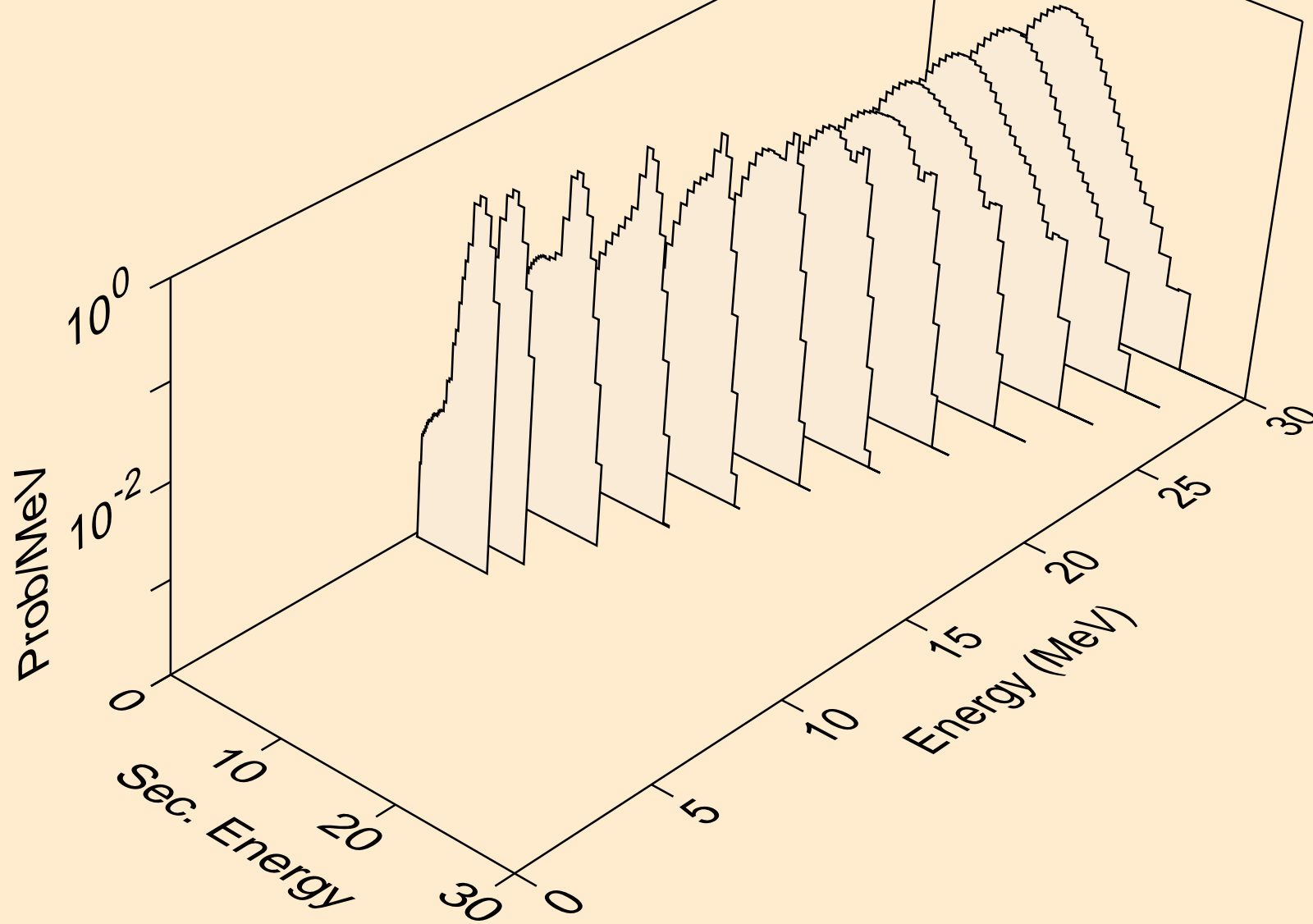
RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Proton emission for inelastic



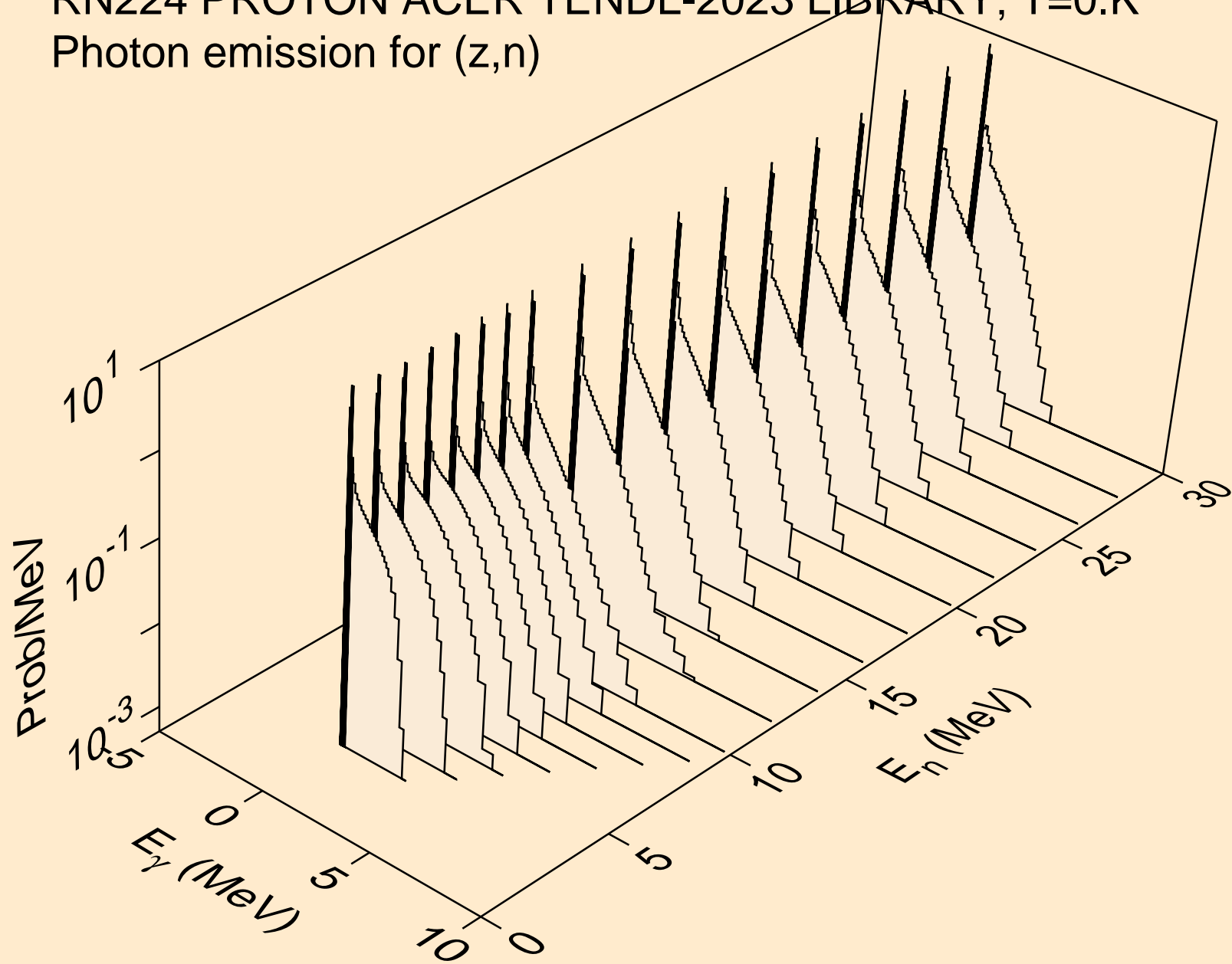
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Proton emission for (p,2p)



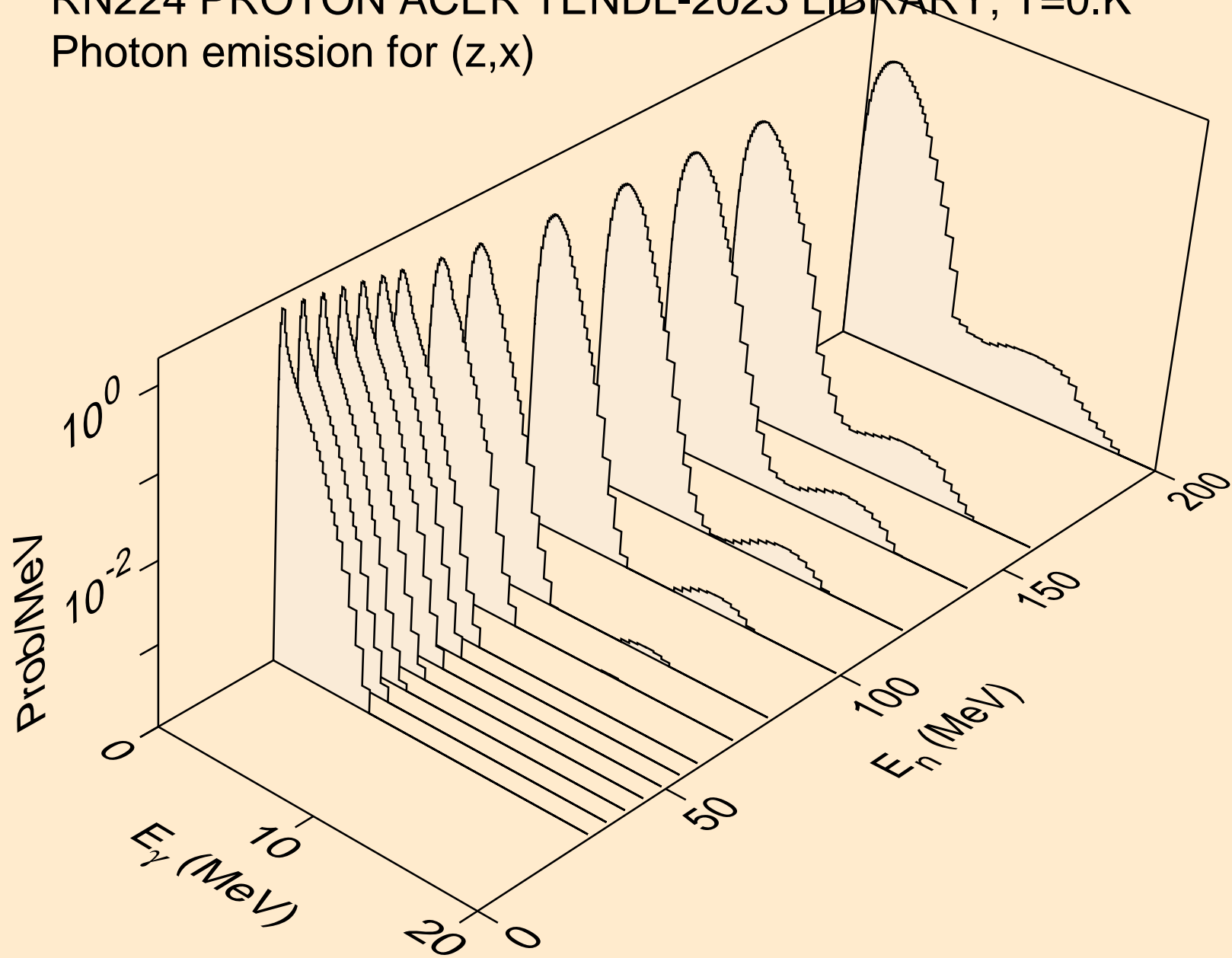
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Proton emission for (p,pa)



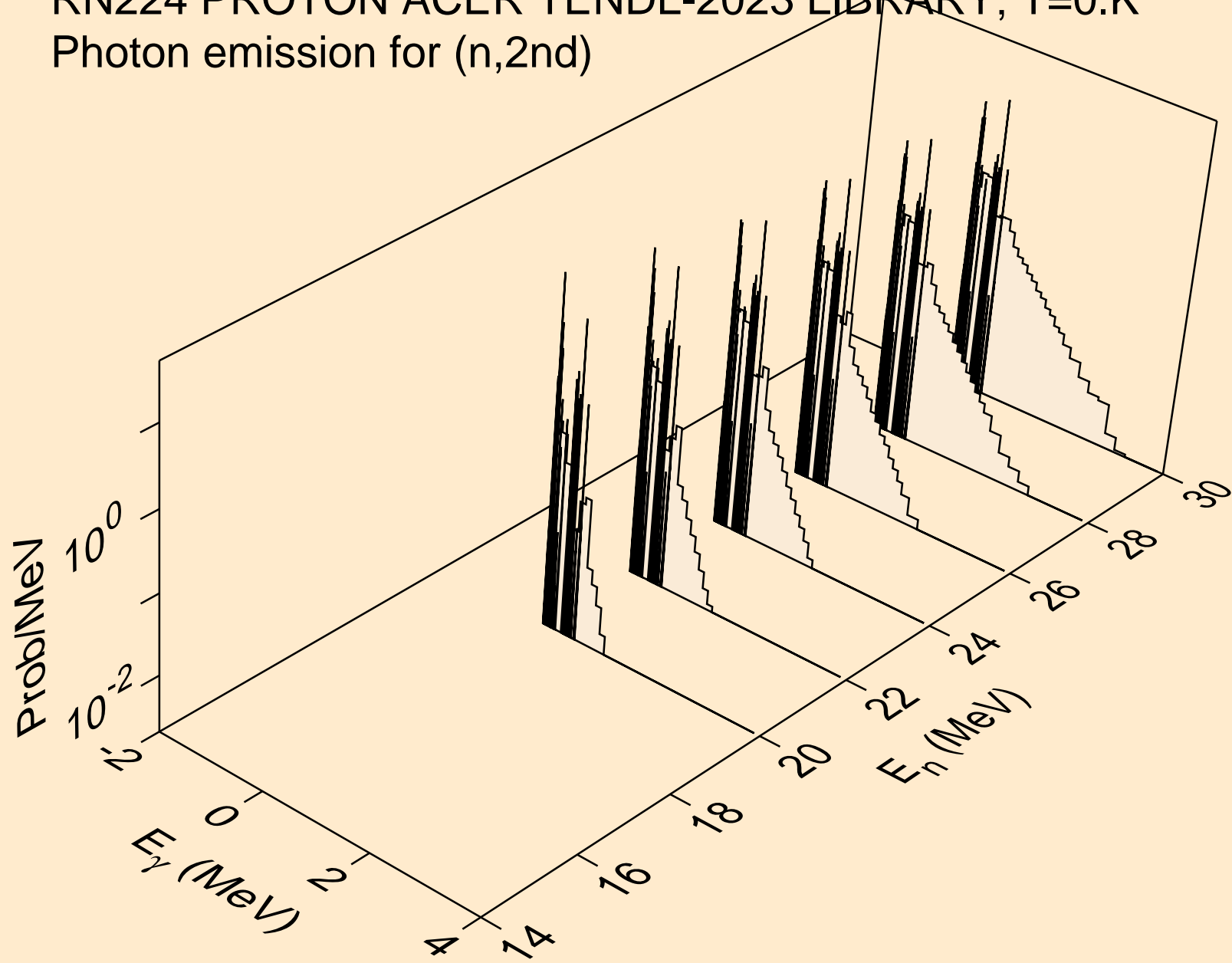
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Photon emission for (z,n)



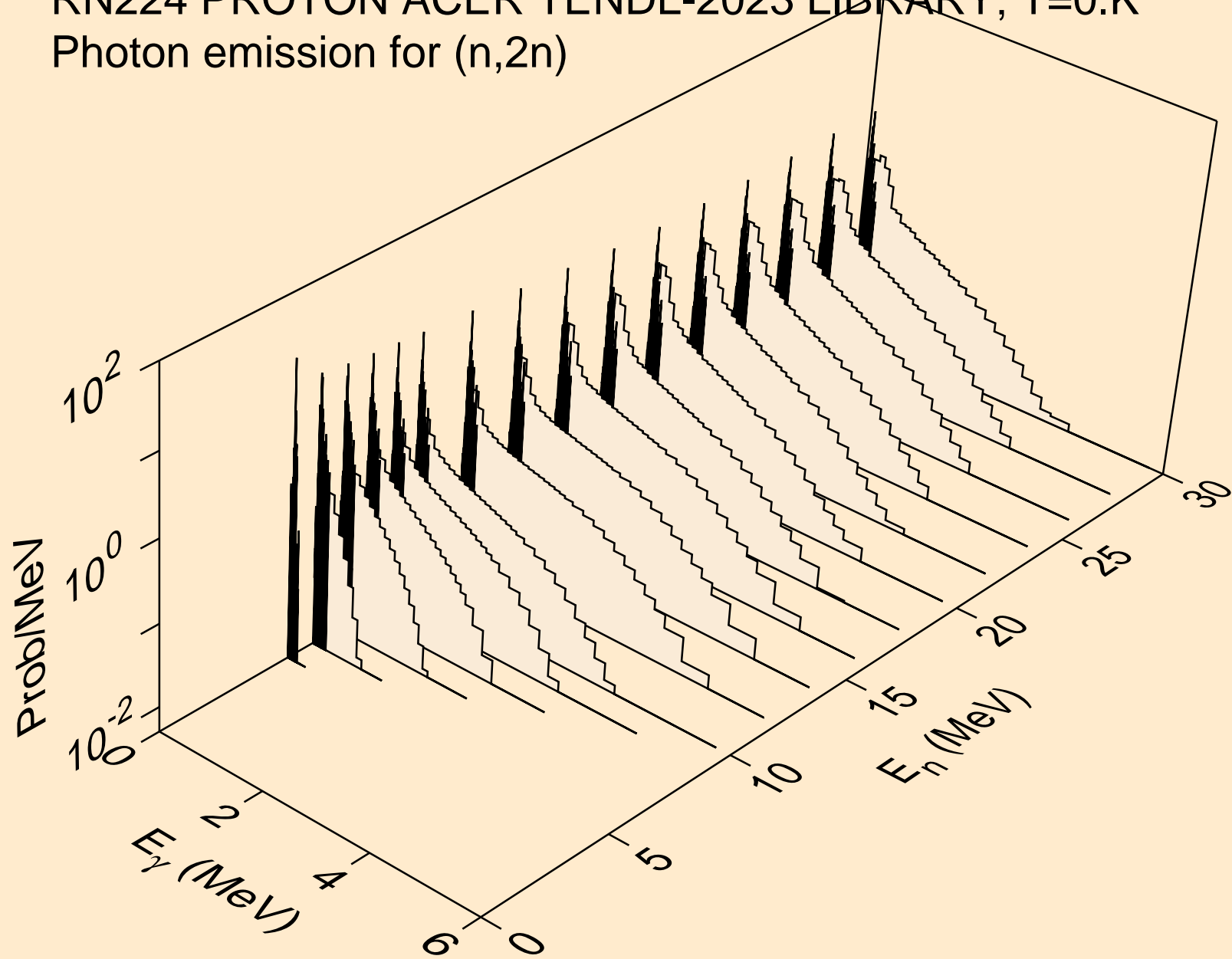
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Photon emission for (z,x)



RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)

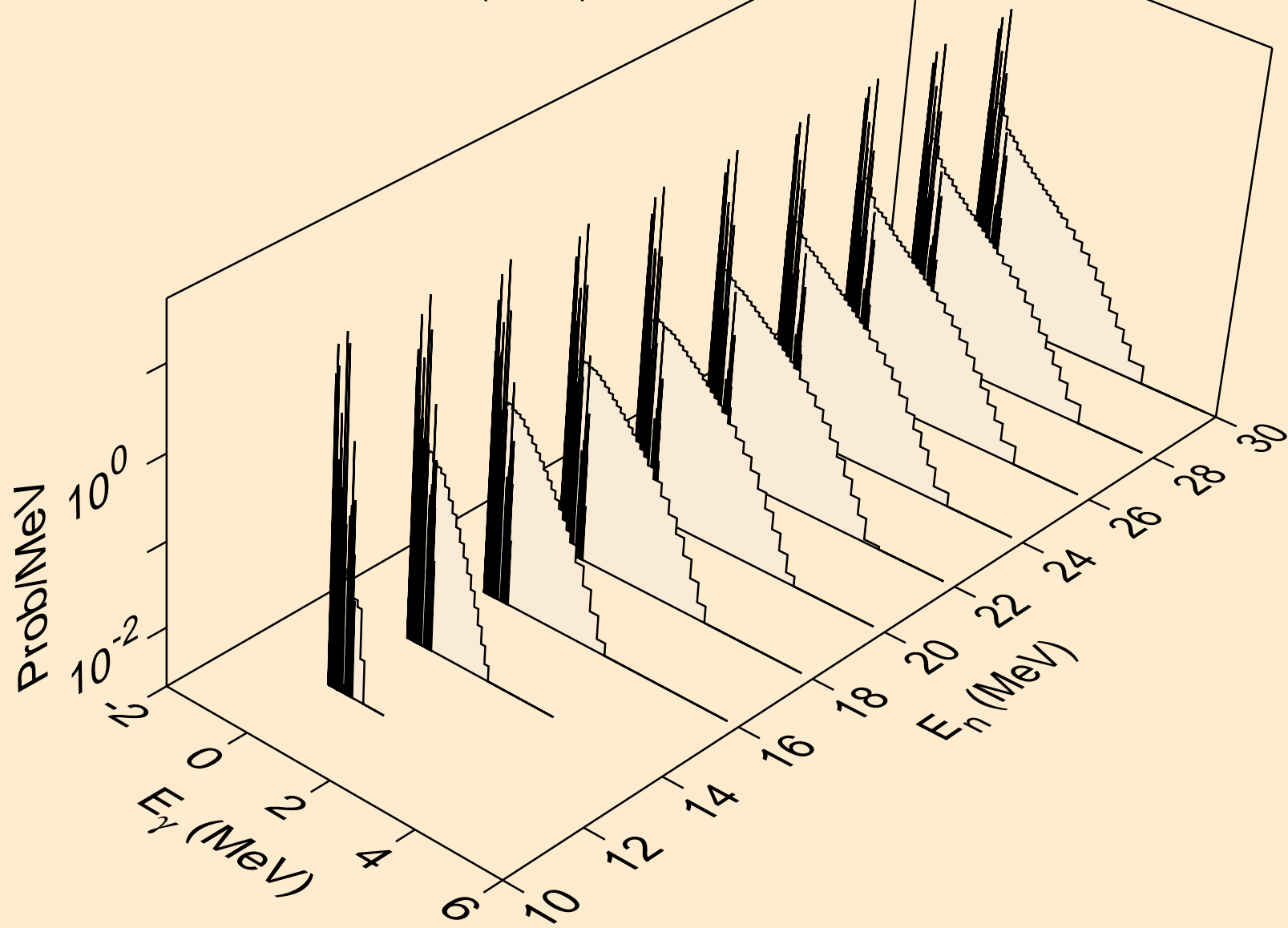


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Photon emission for (n,2n)

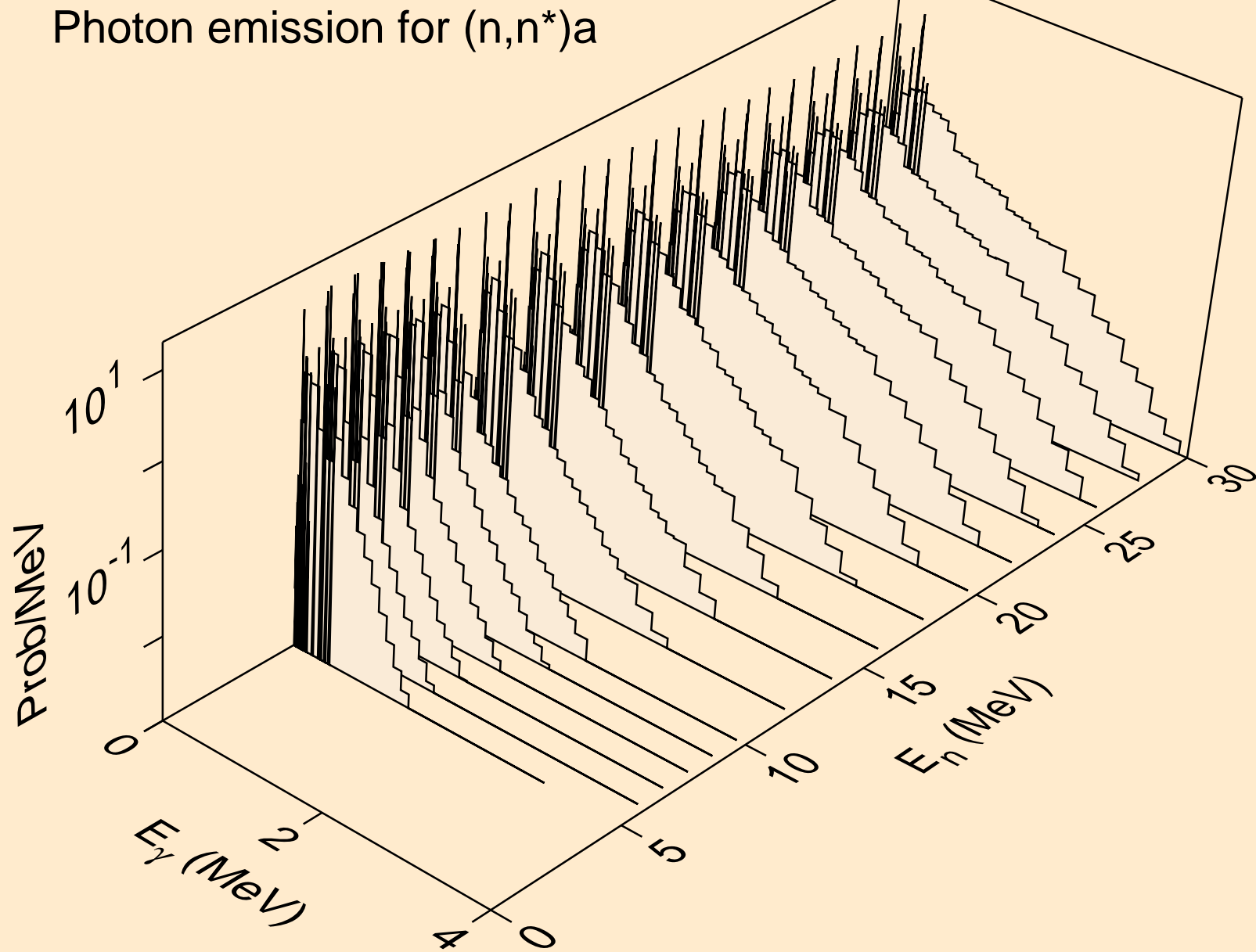




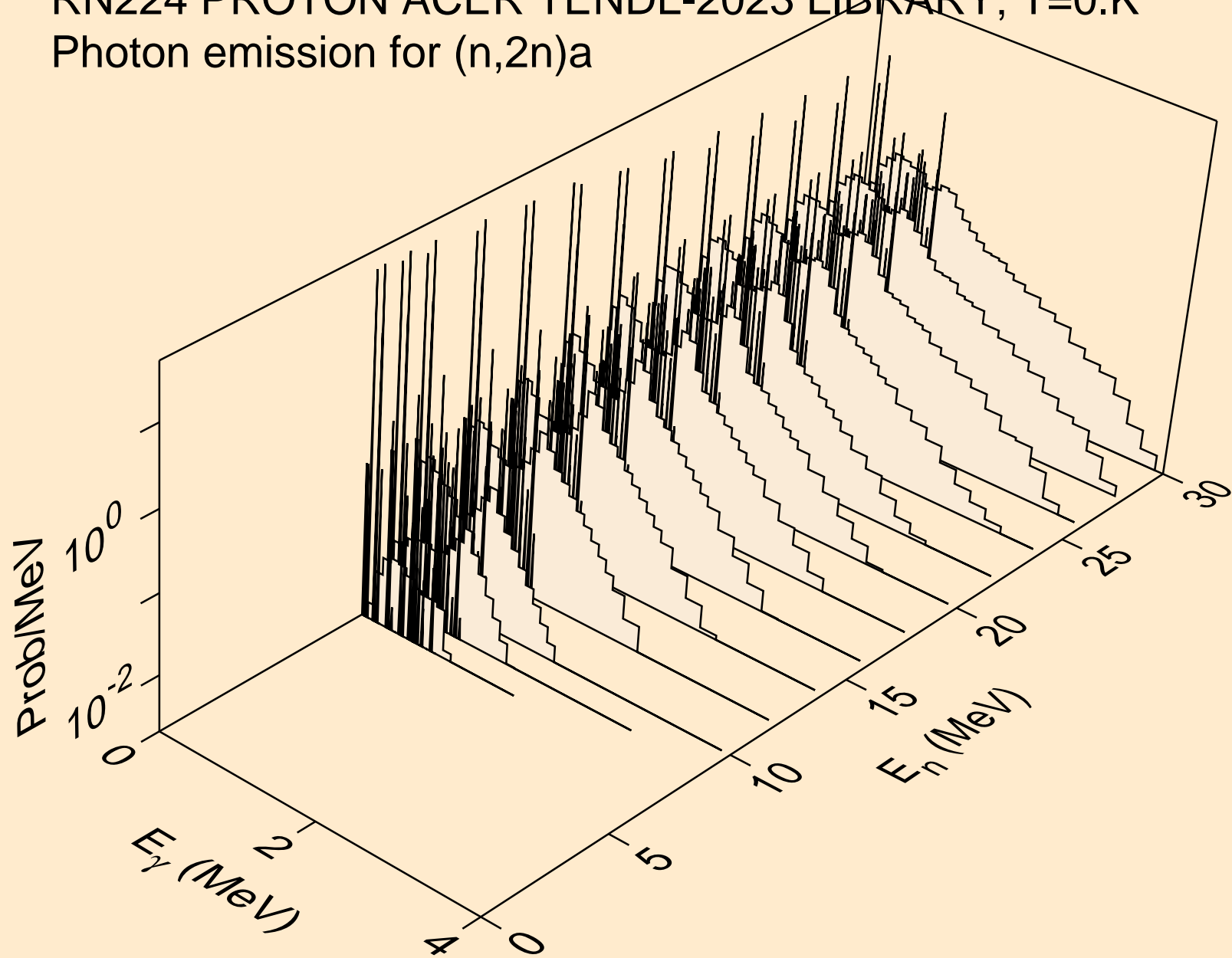
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Photon emission for (n,3n)



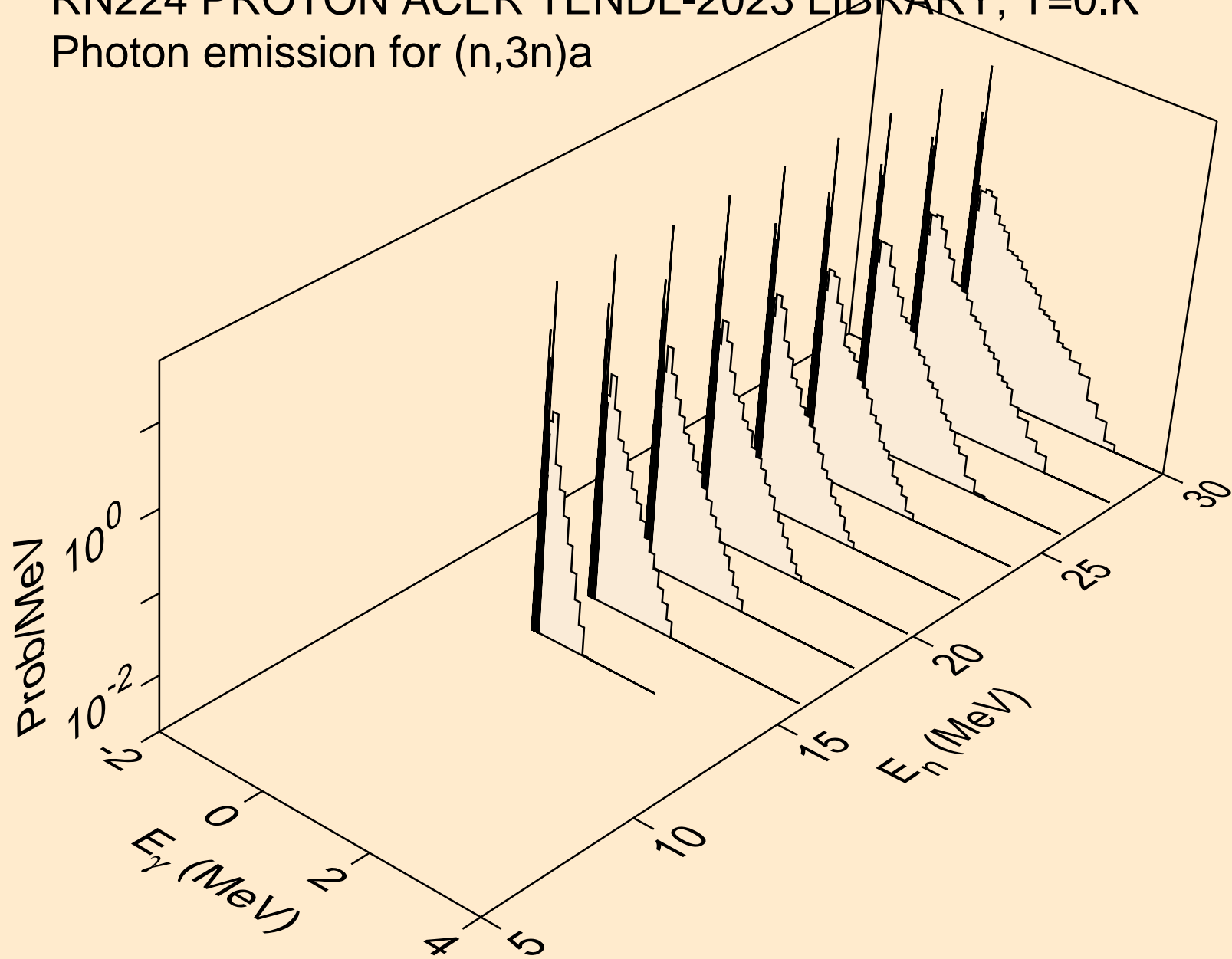
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Photon emission for (n,n\*)a



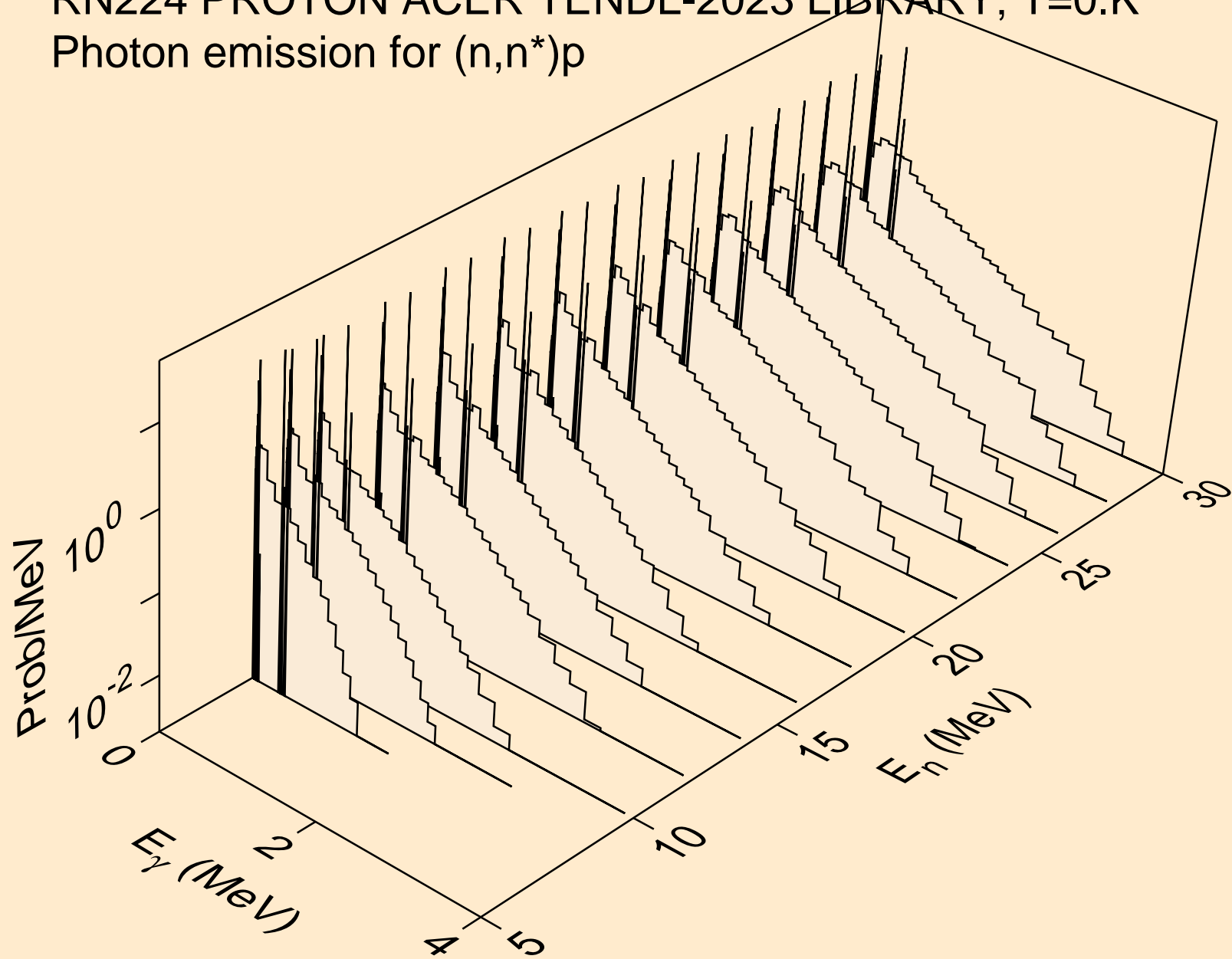
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Photon emission for (n,2n)a



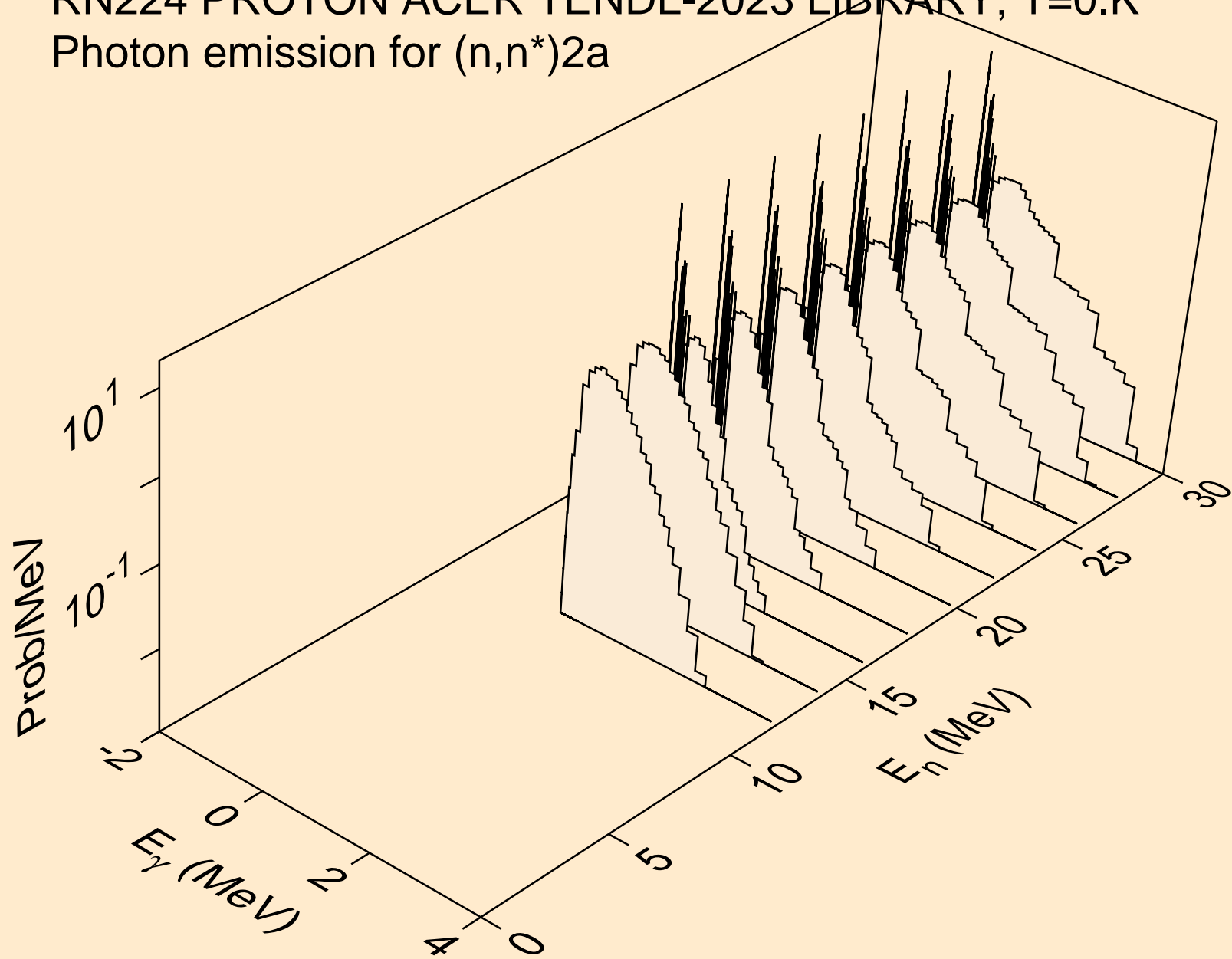
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Photon emission for (n,3n)a



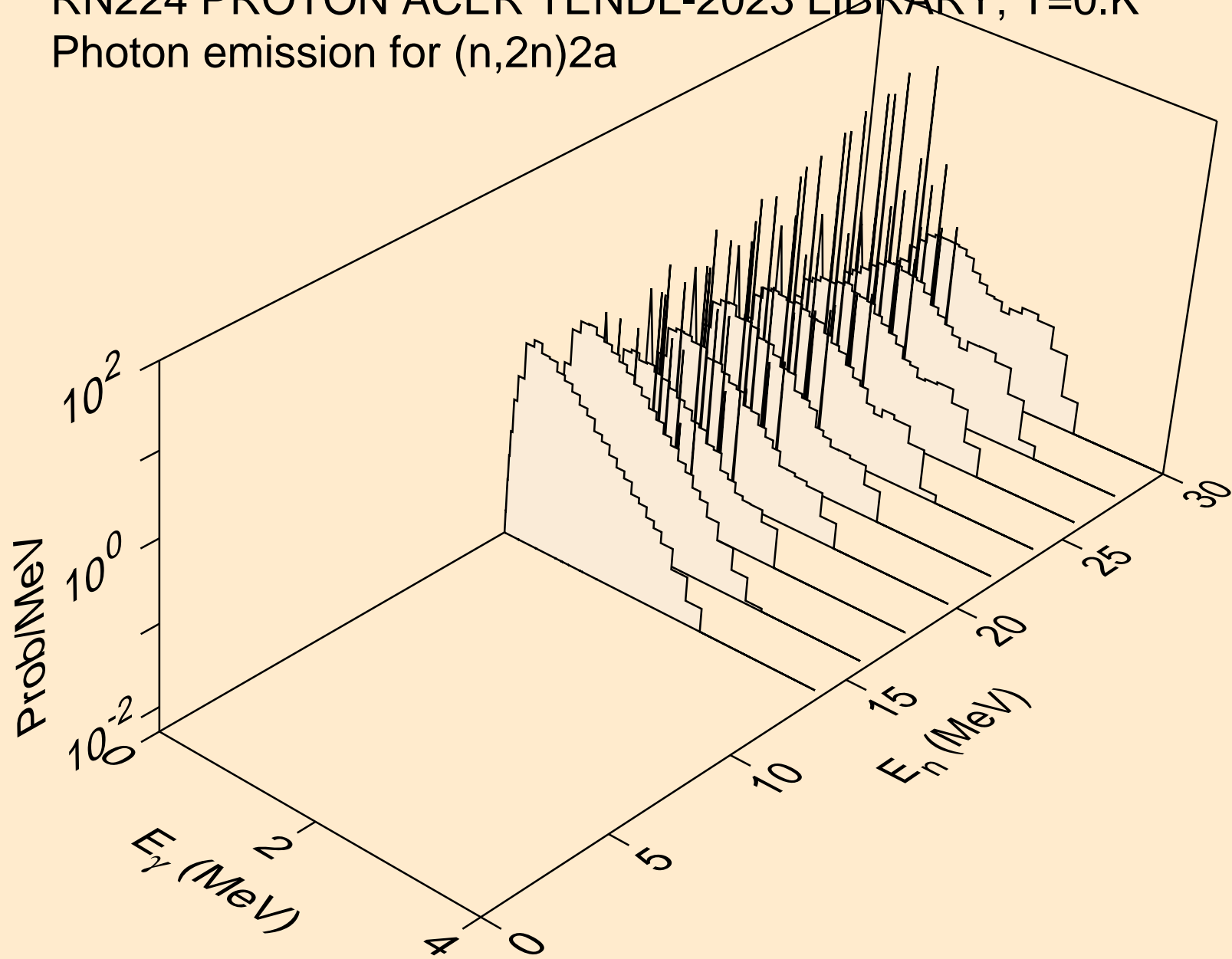
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Photon emission for (n,n\*)p



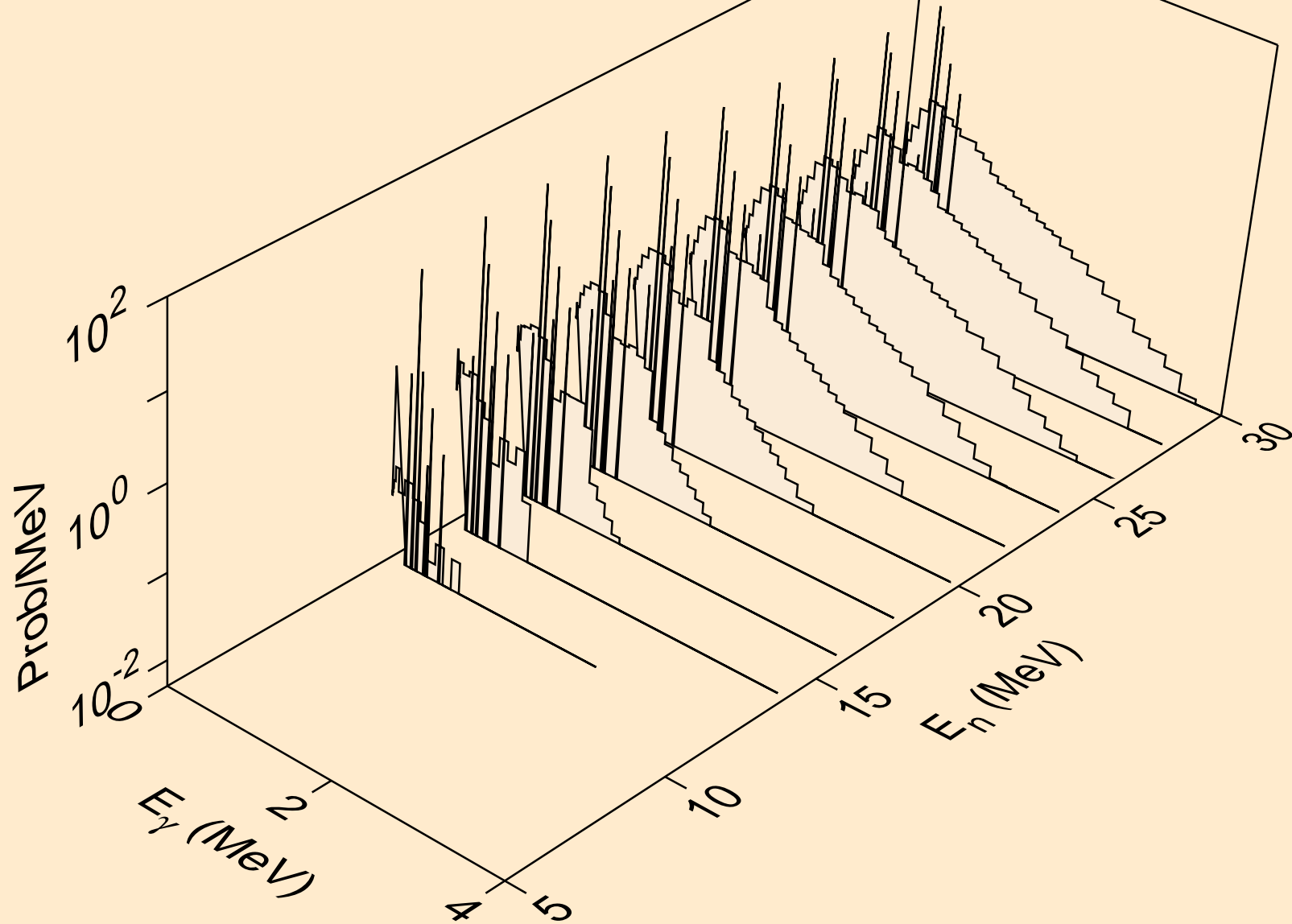
RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



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Photon emission for (n,2n)2a

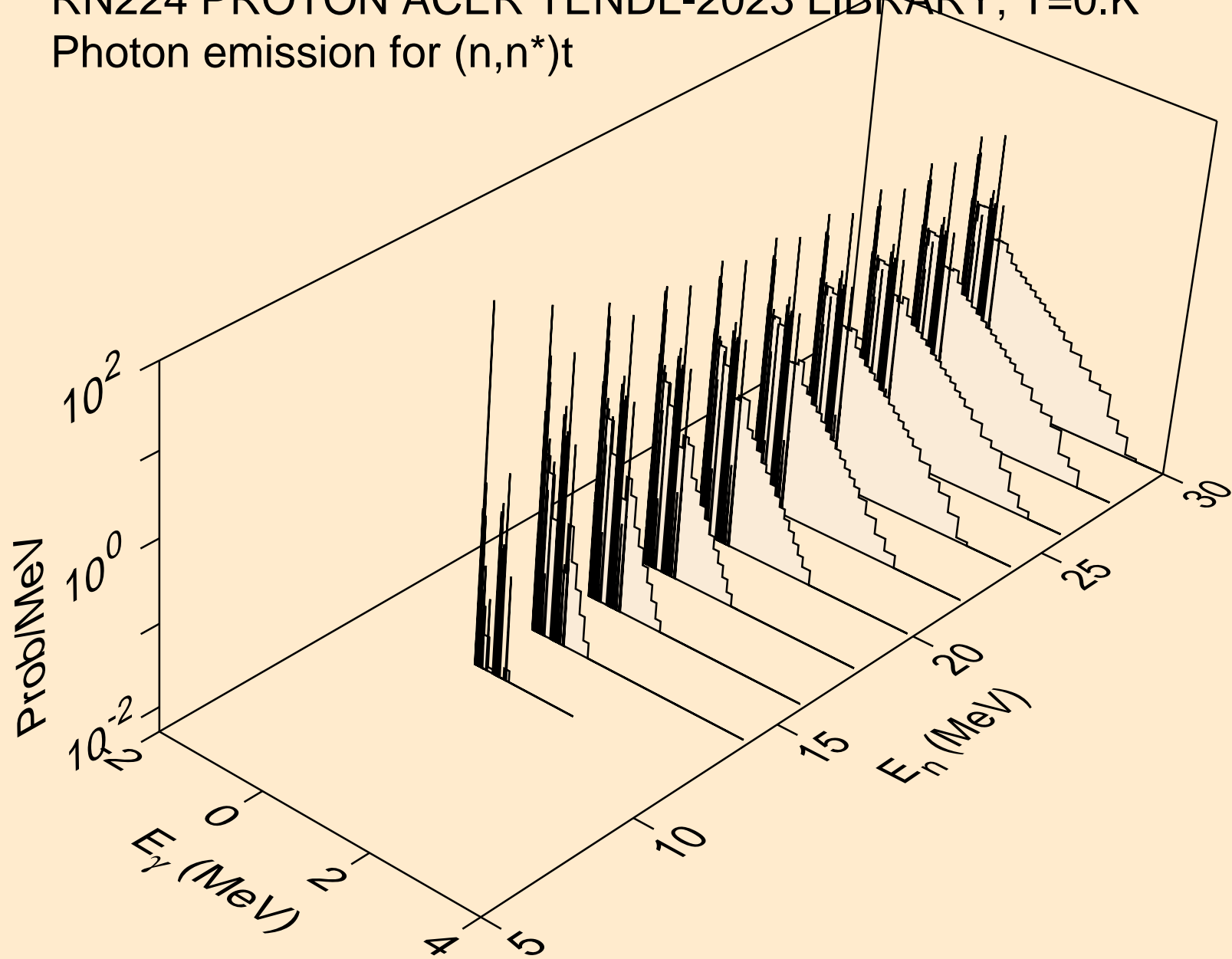


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Photon emission for (n,n\*)d

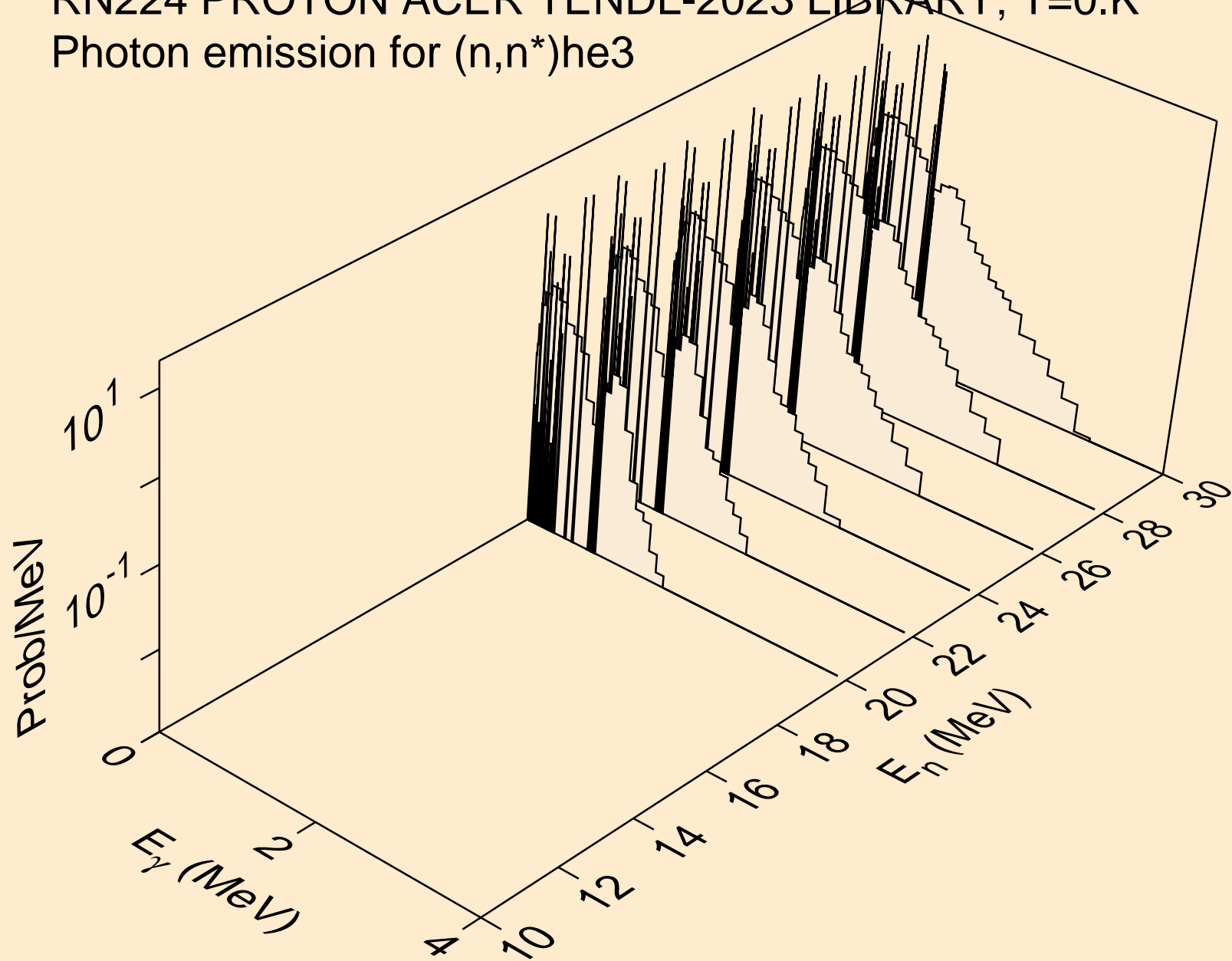




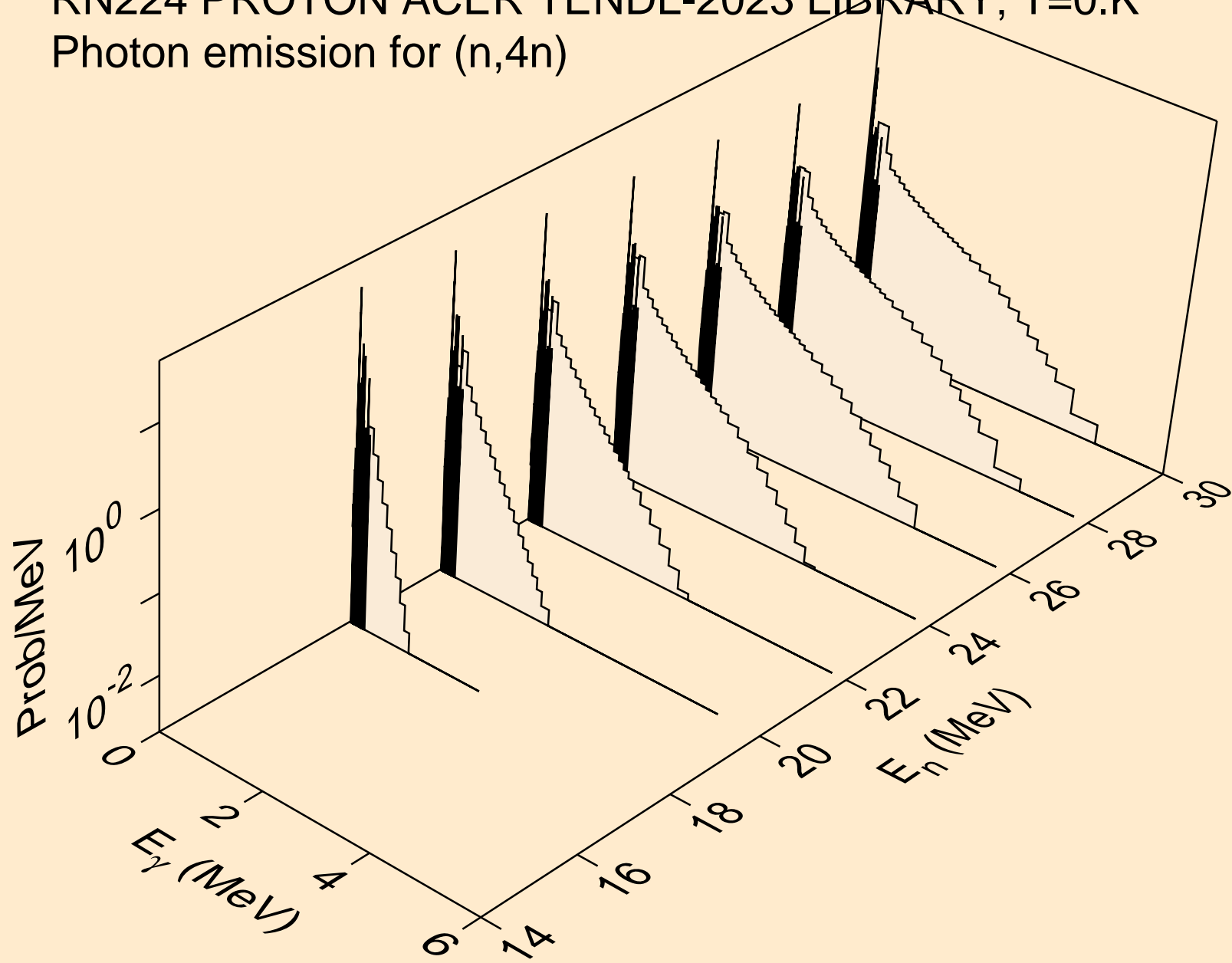
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Photon emission for (n,n\*)t



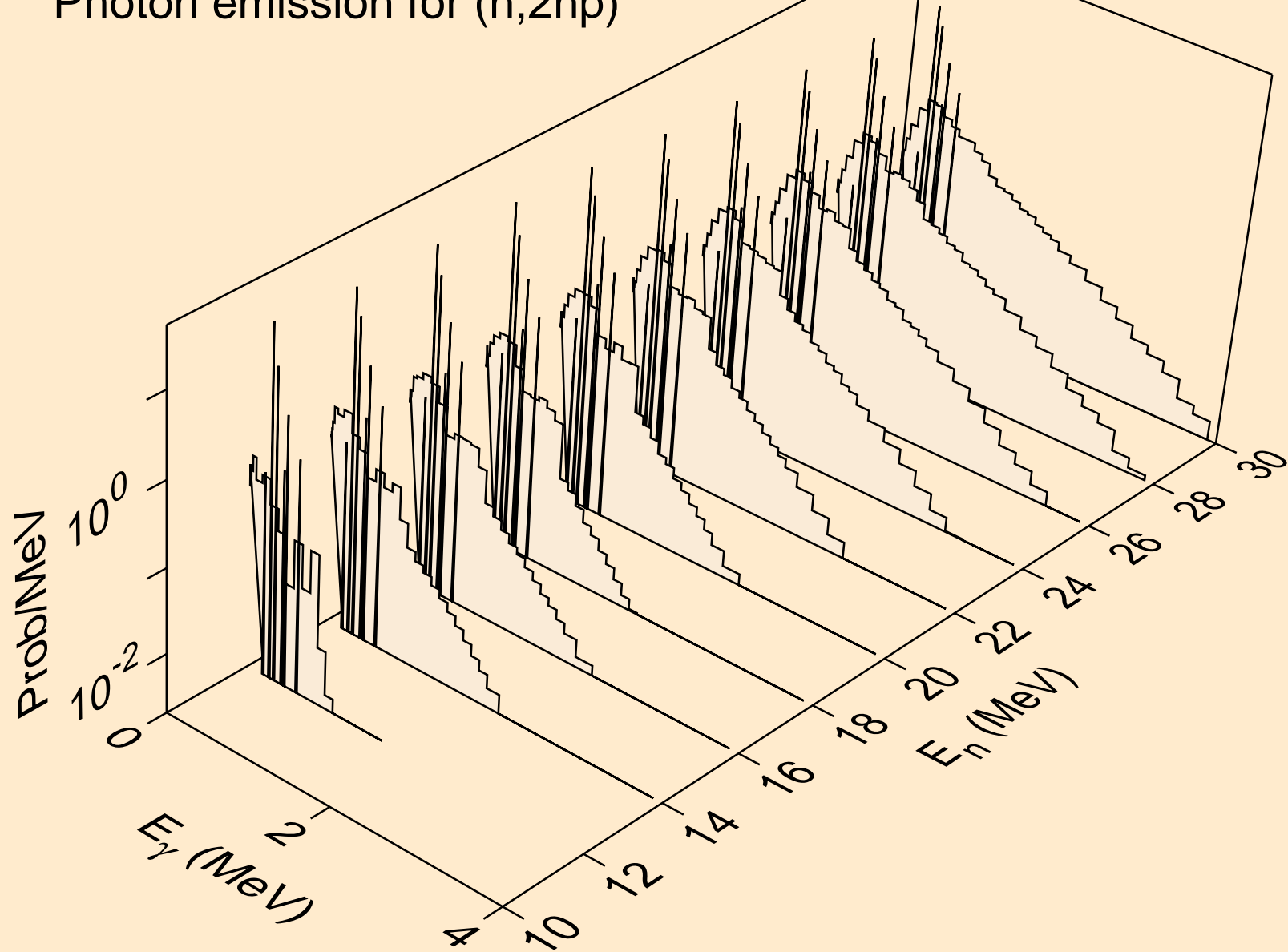
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Photon emission for (n,n\*)he3



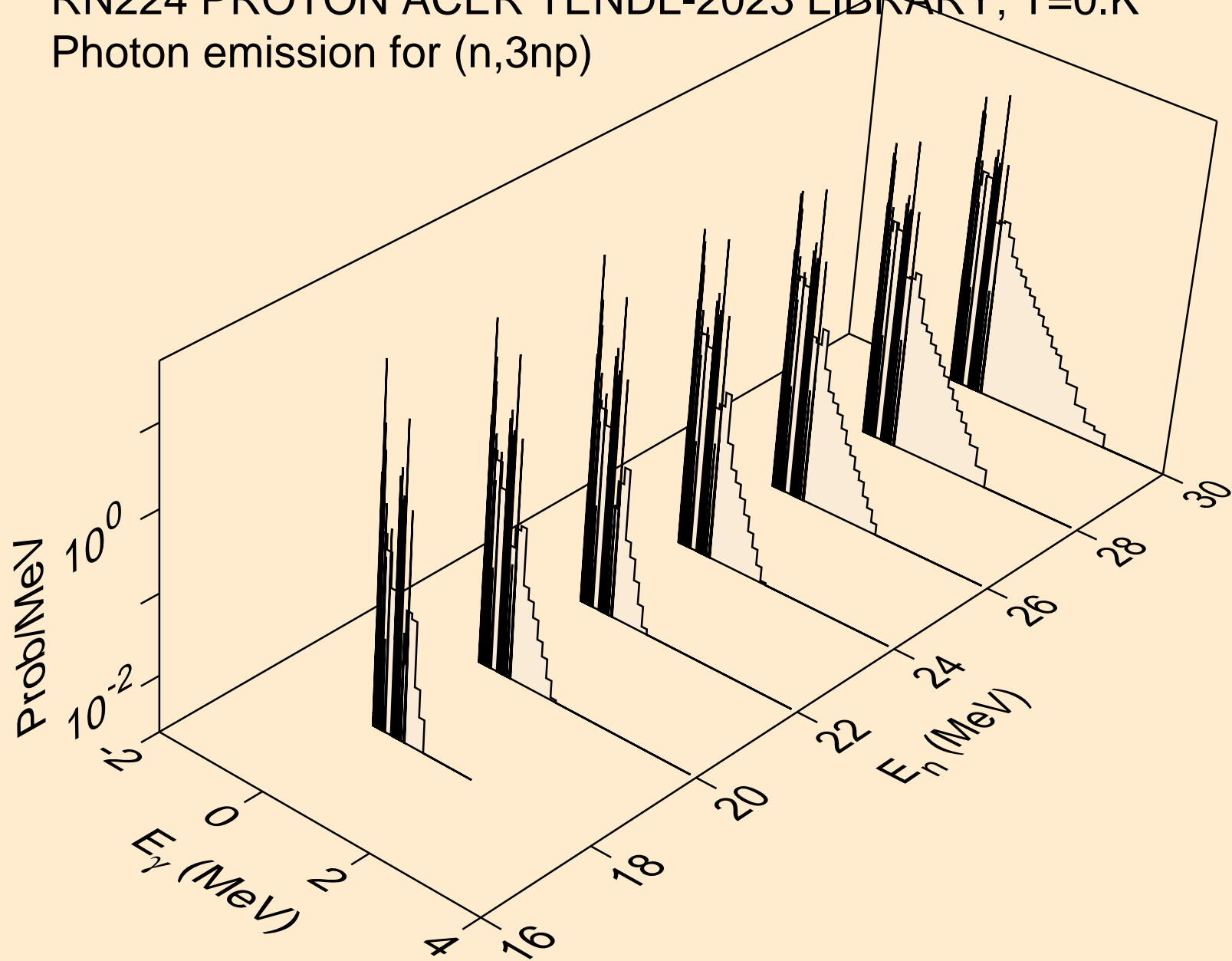
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Photon emission for (n,4n)



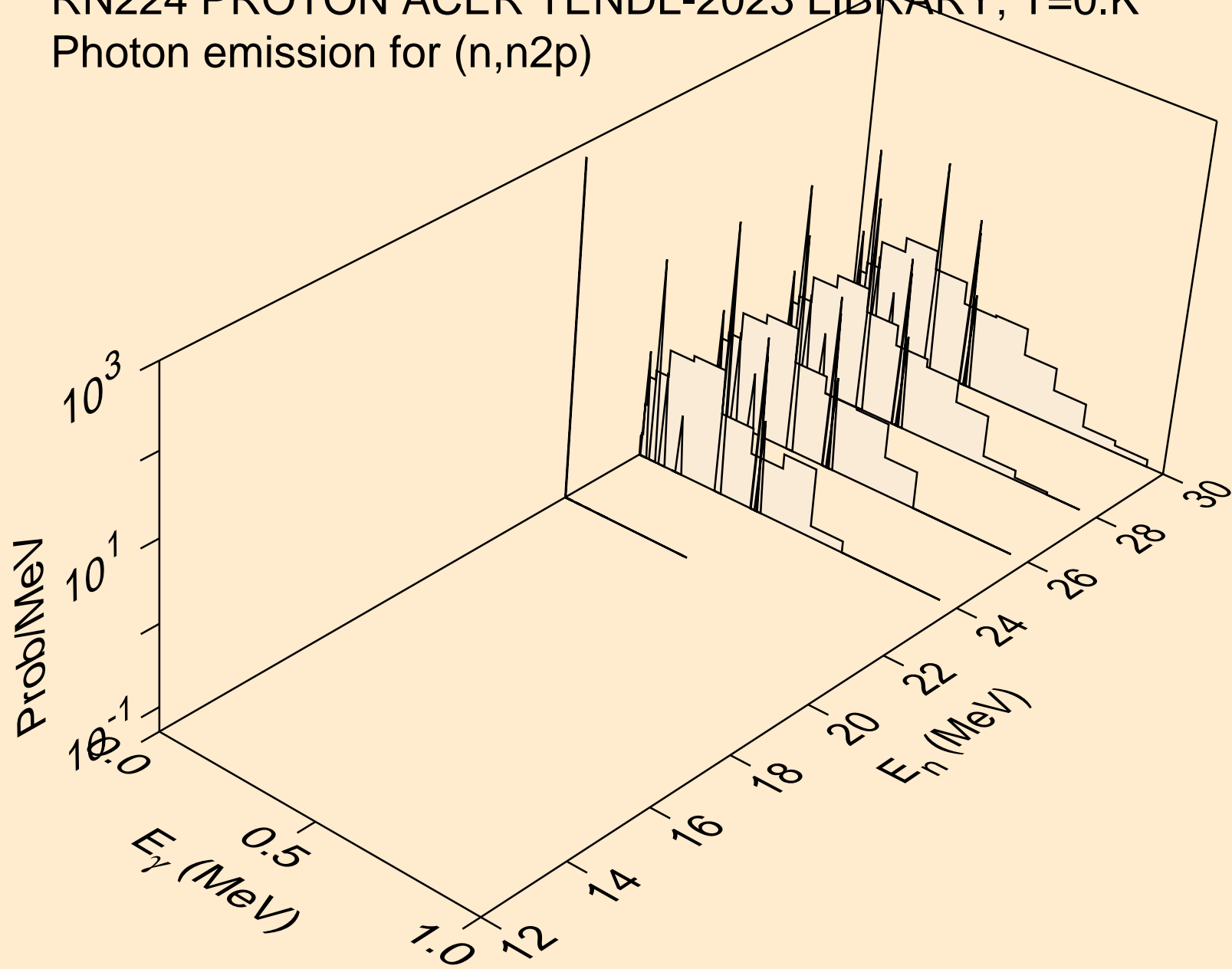
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Photon emission for (n,2np)



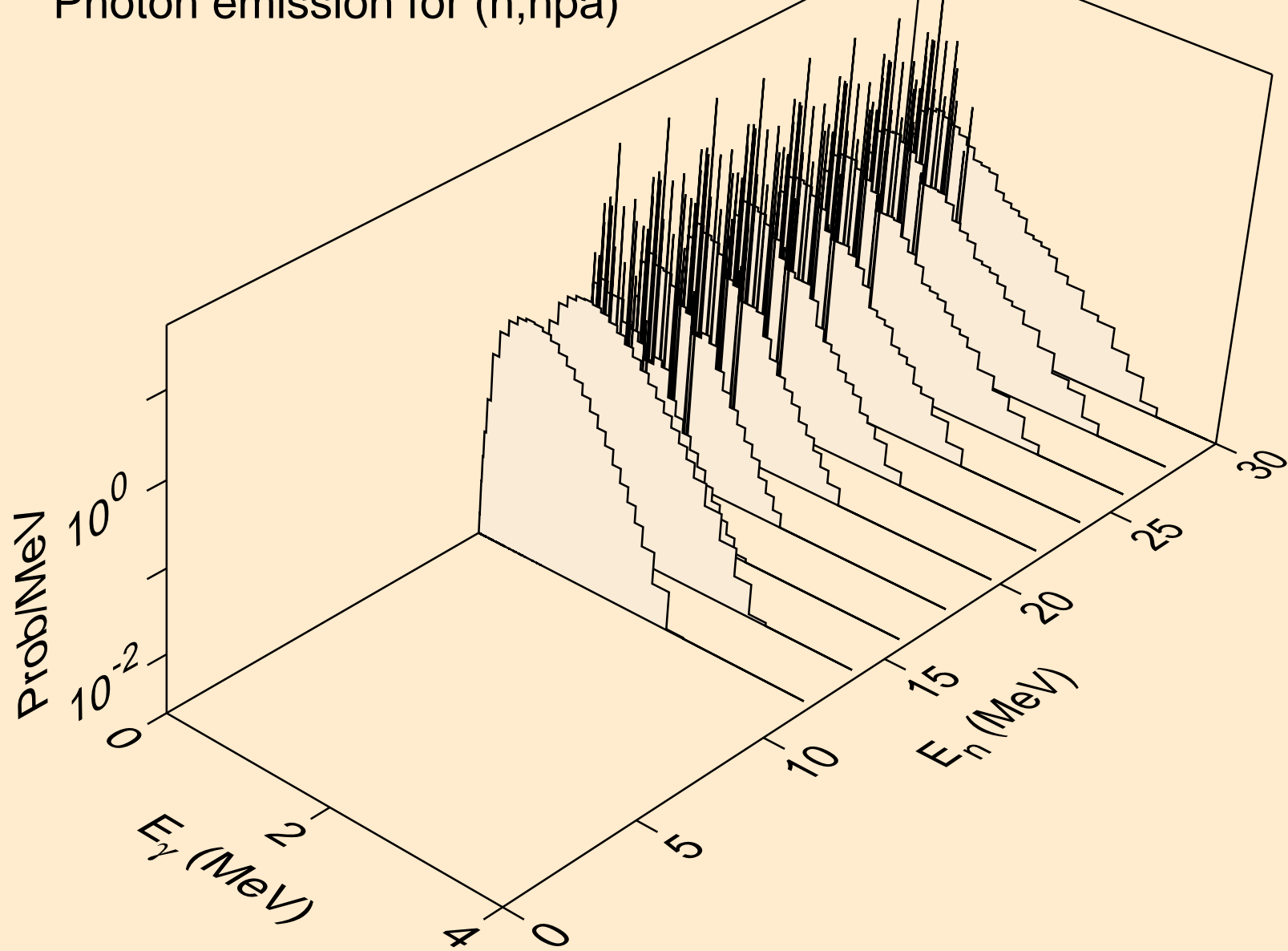
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Photon emission for (n,3np)



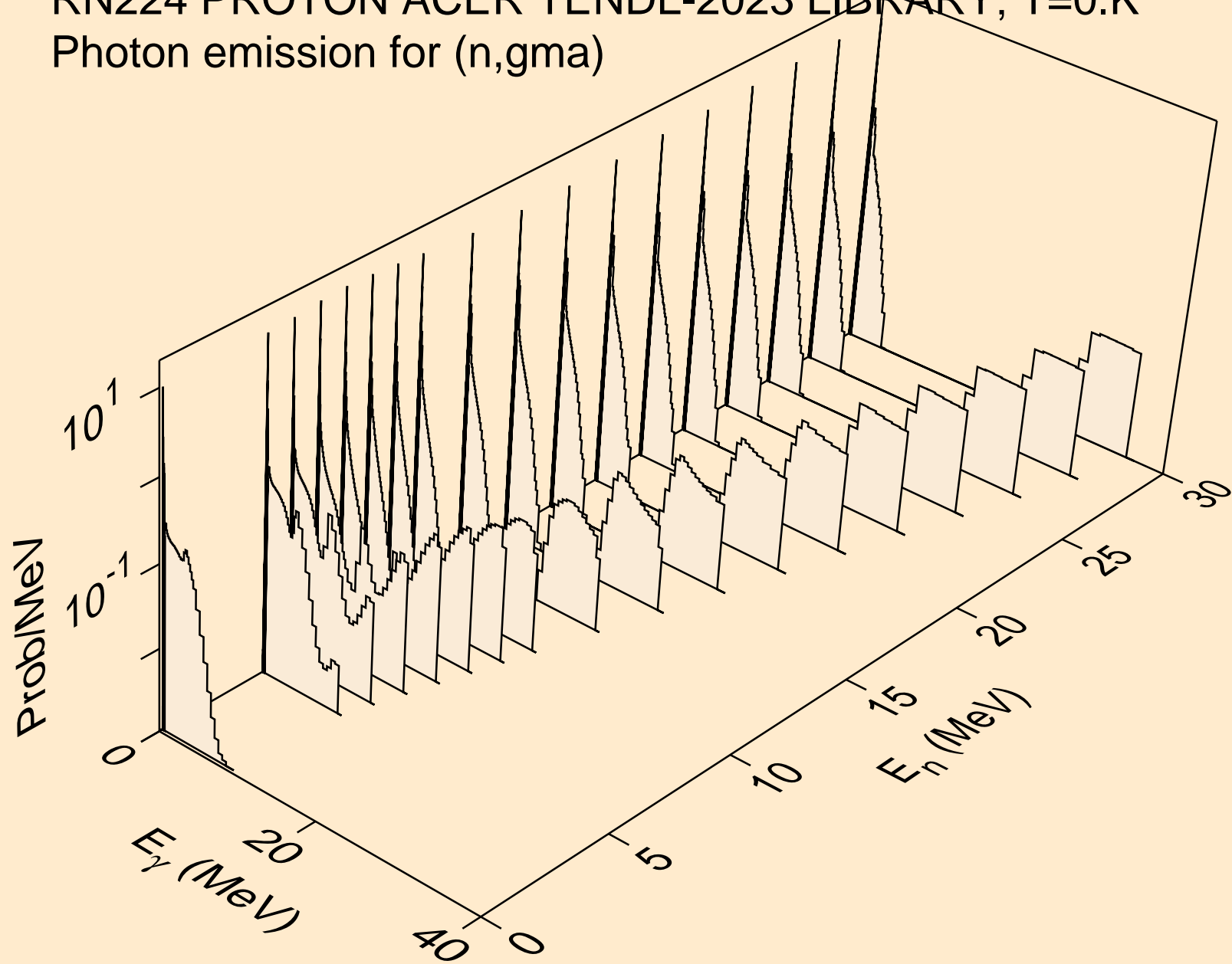
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Photon emission for (n,n2p)



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Photon emission for (n,npa)

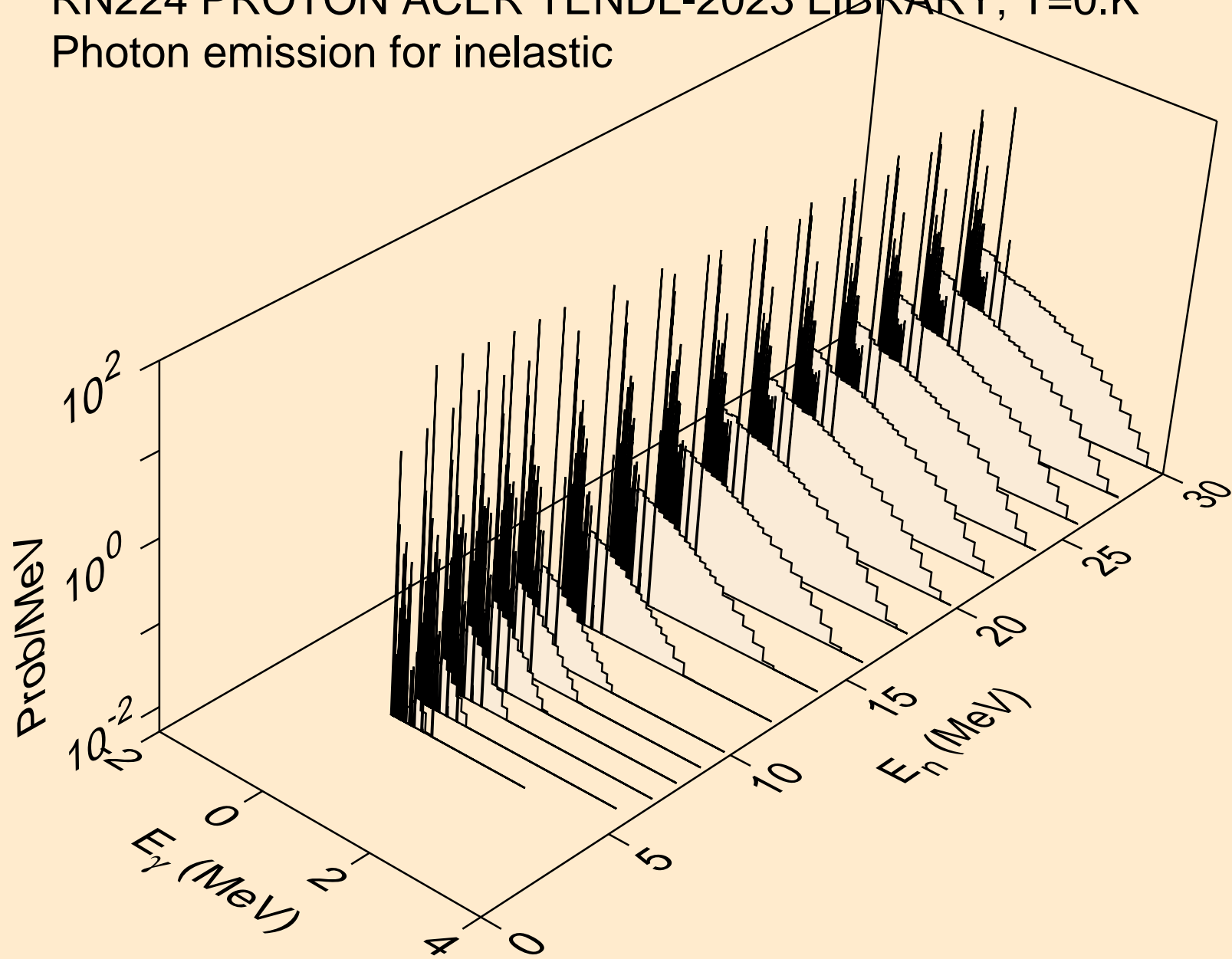


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Photon emission for (n,gma)

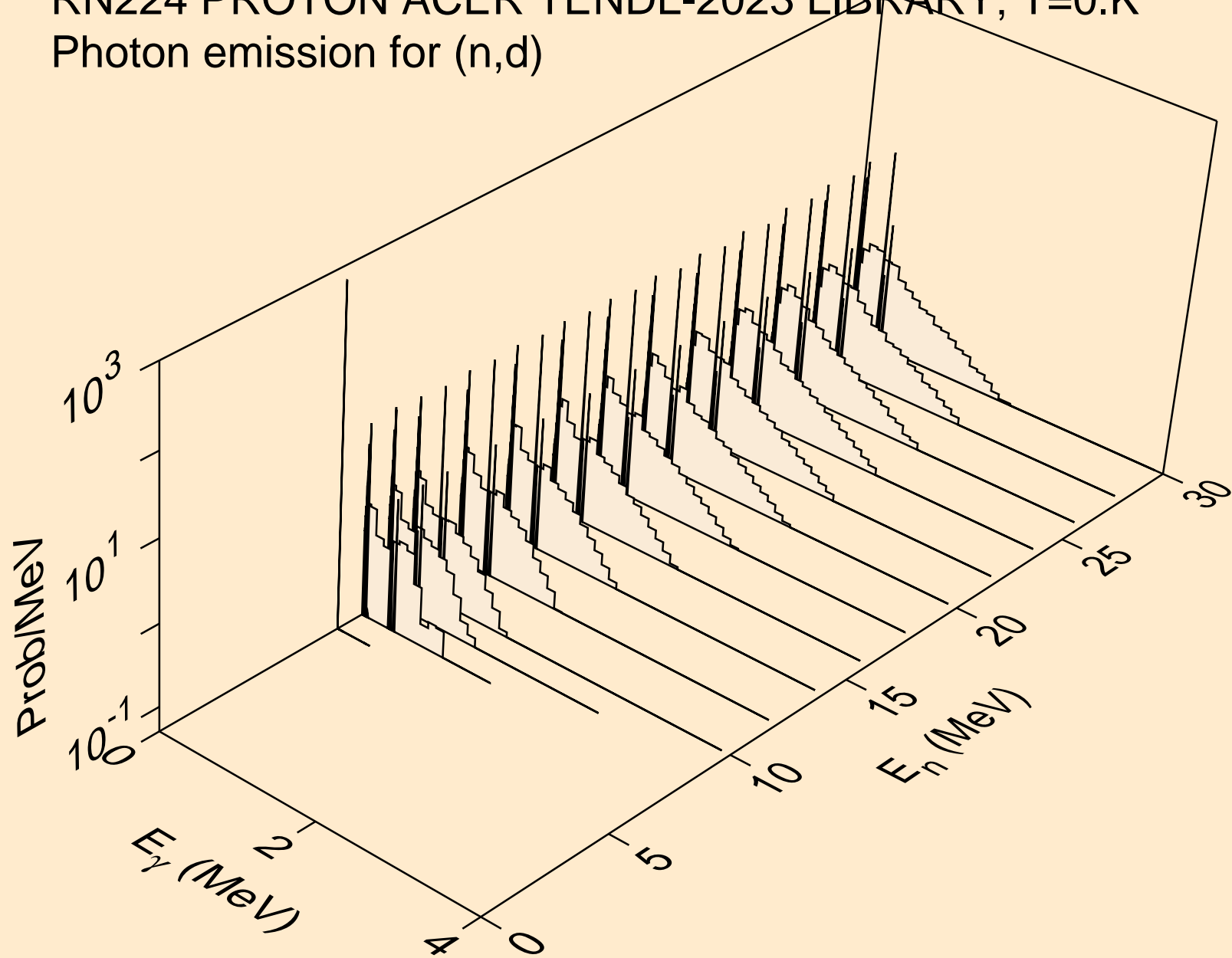




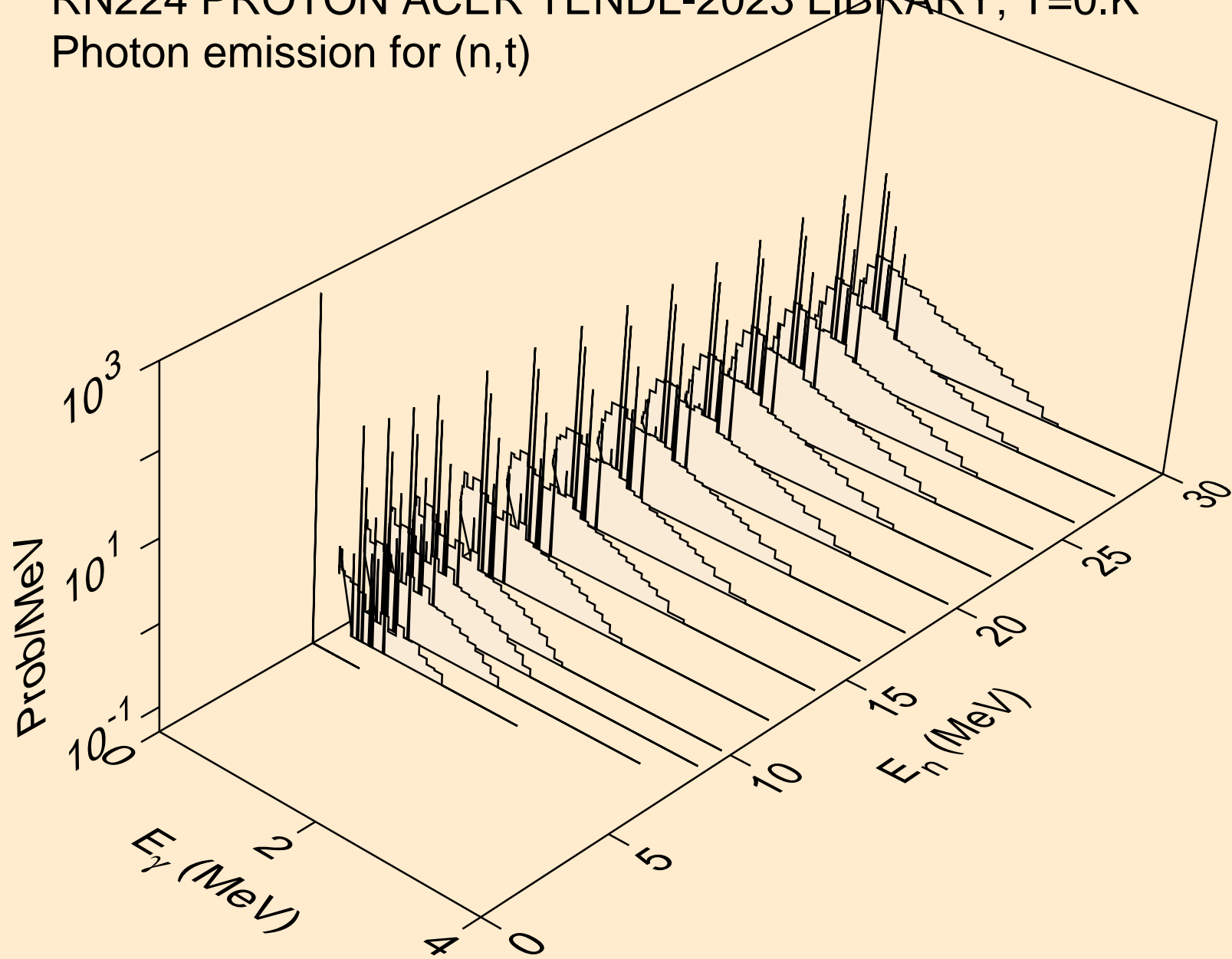
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Photon emission for inelastic



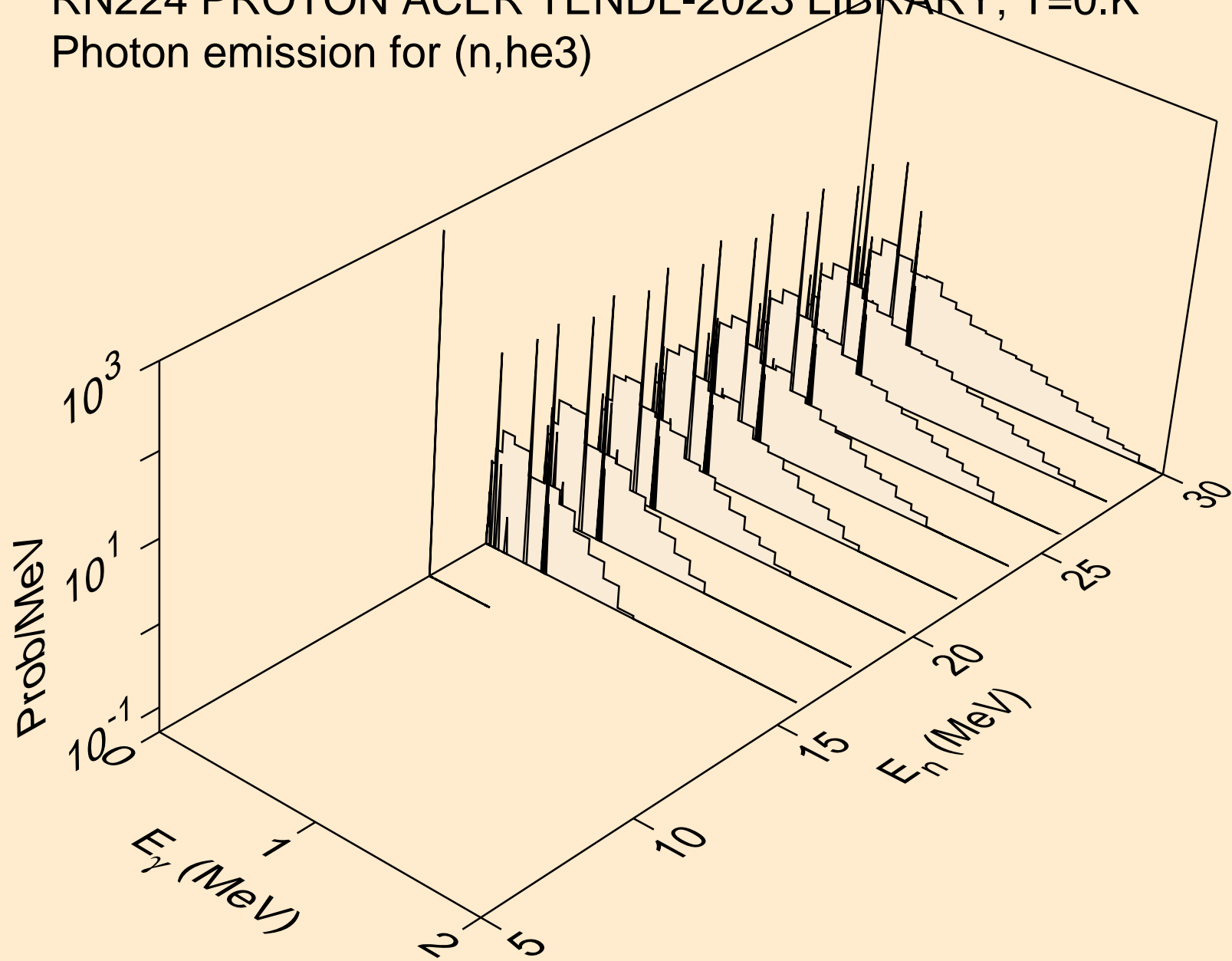
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Photon emission for (n,d)



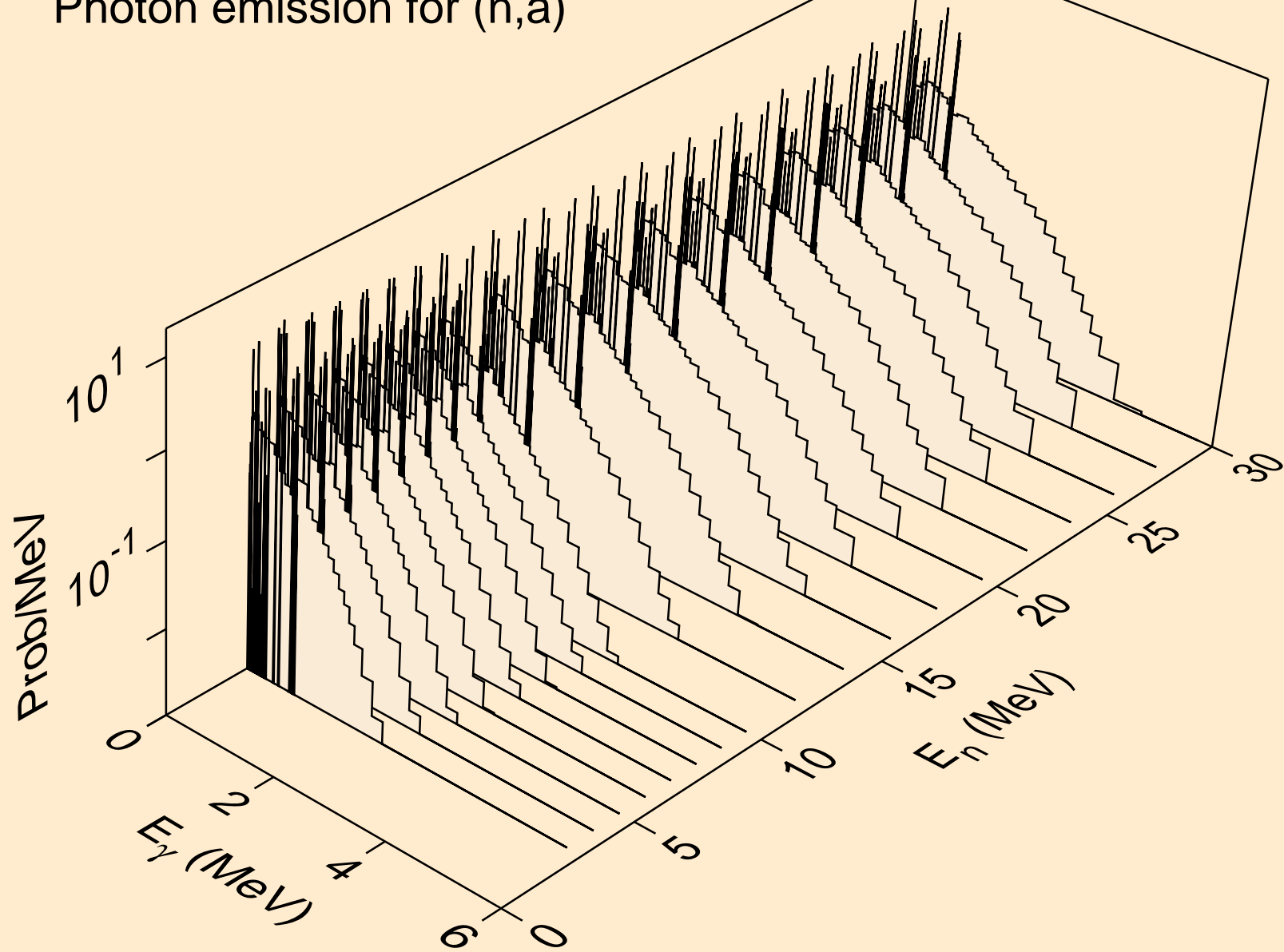
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Photon emission for (n,t)



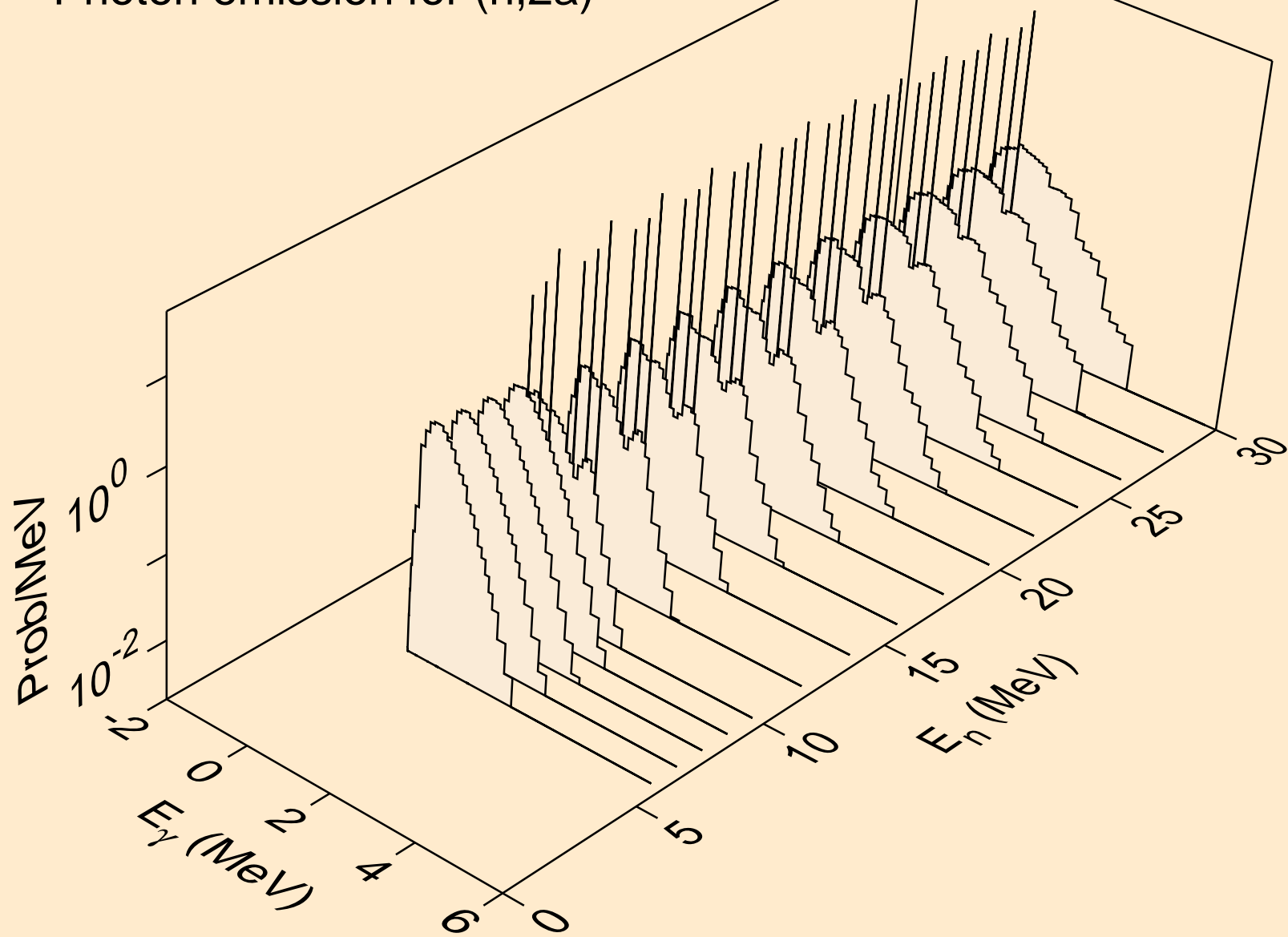
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Photon emission for (n,he3)



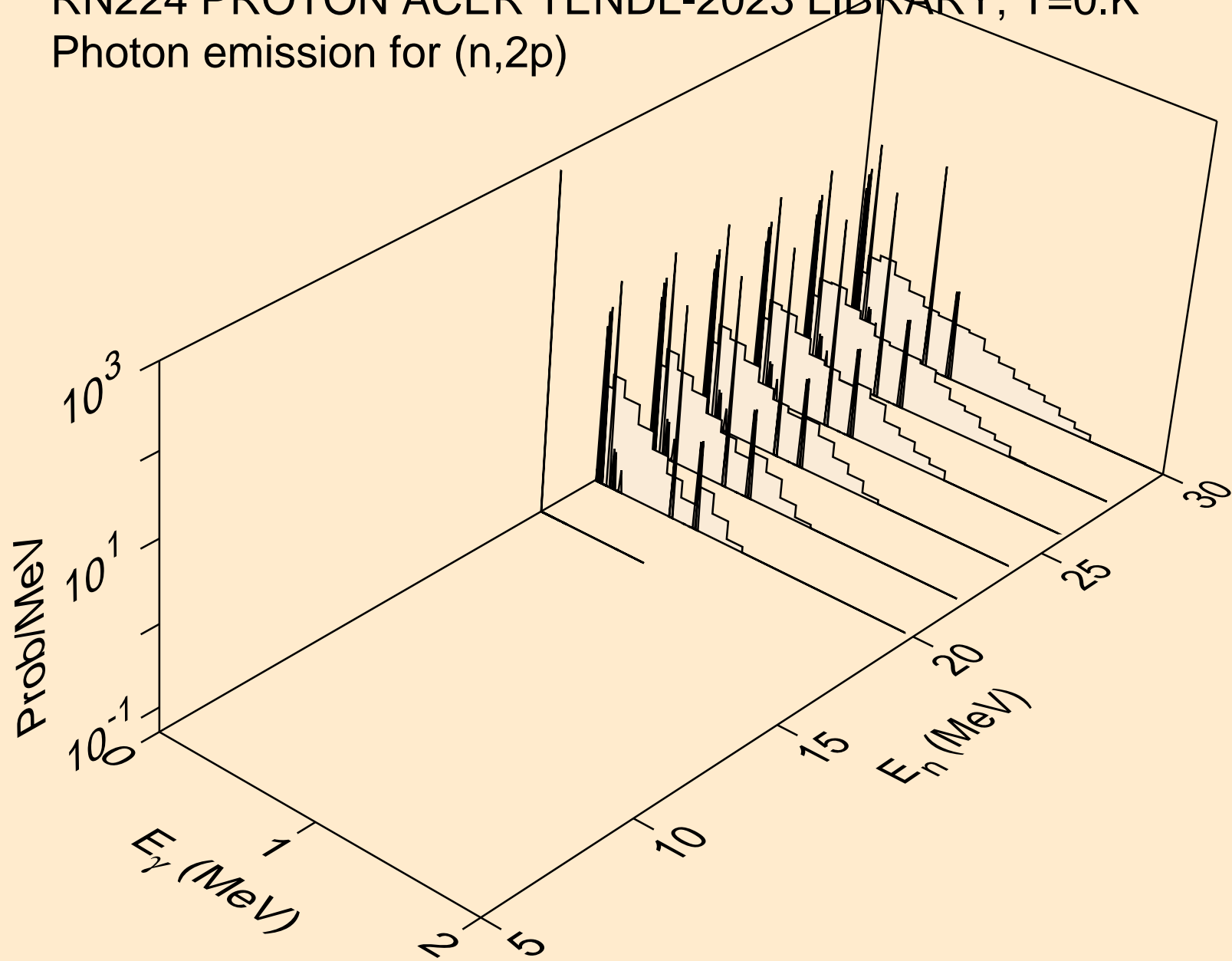
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Photon emission for (n,a)



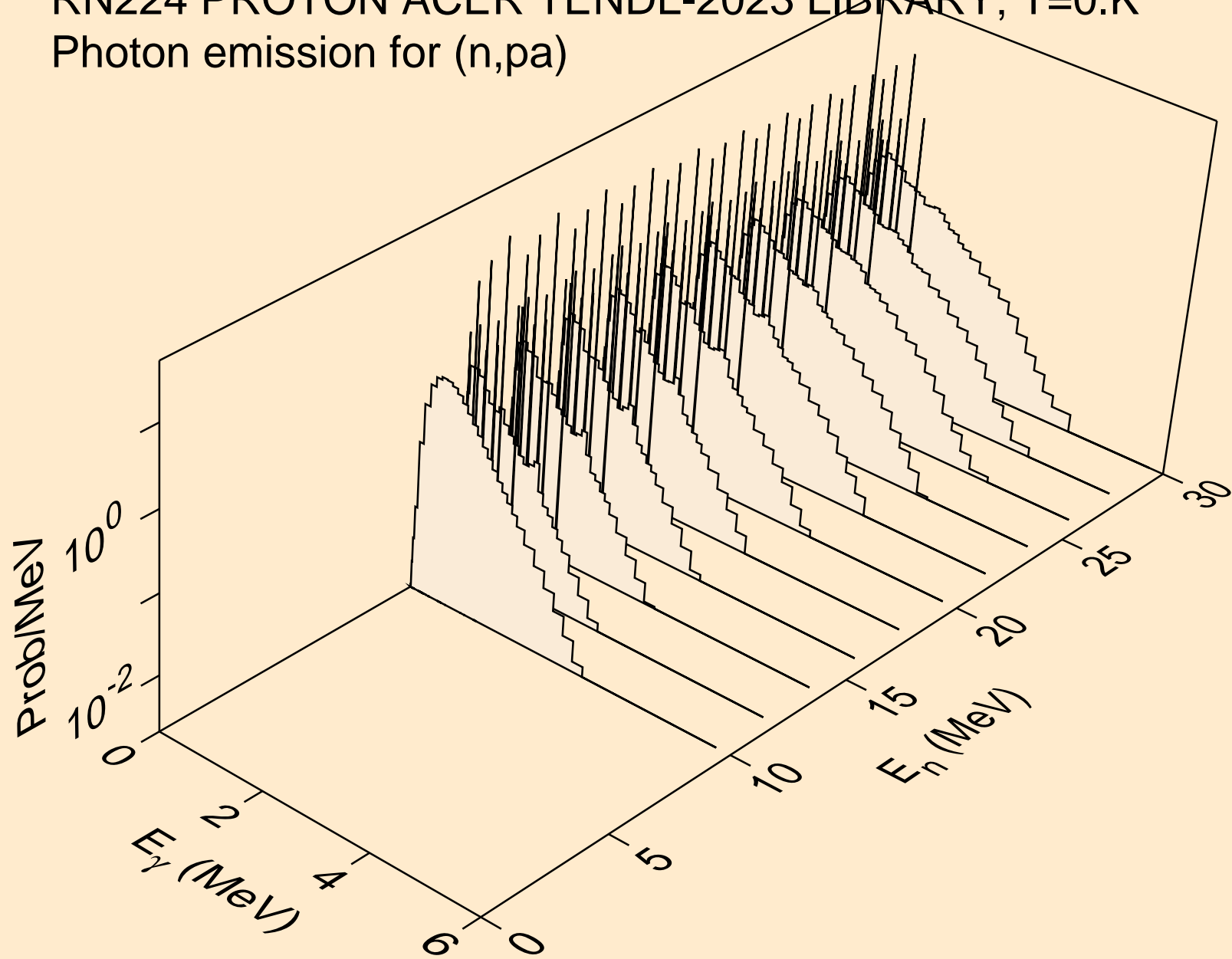
RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)

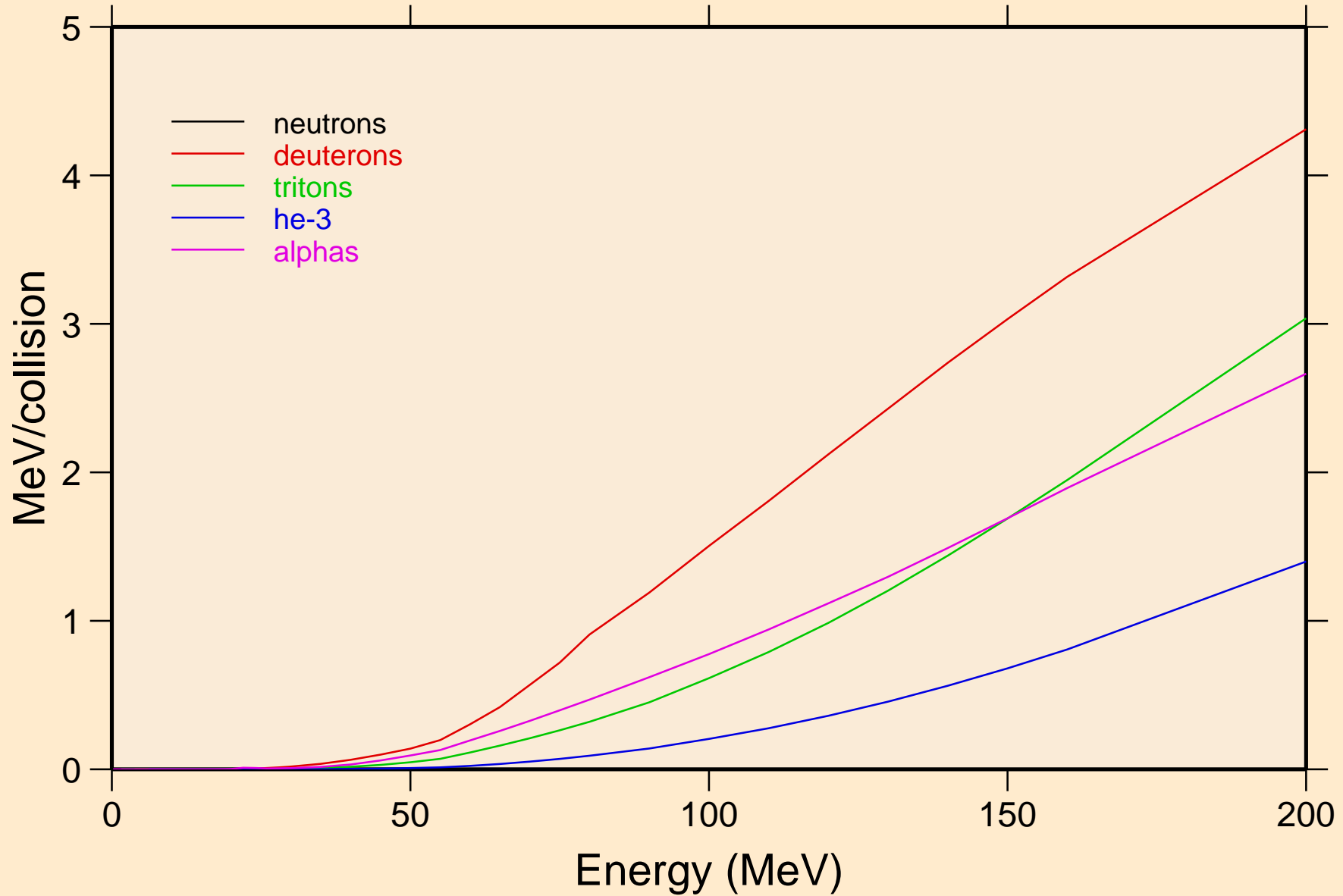


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Photon emission for (n,pa)

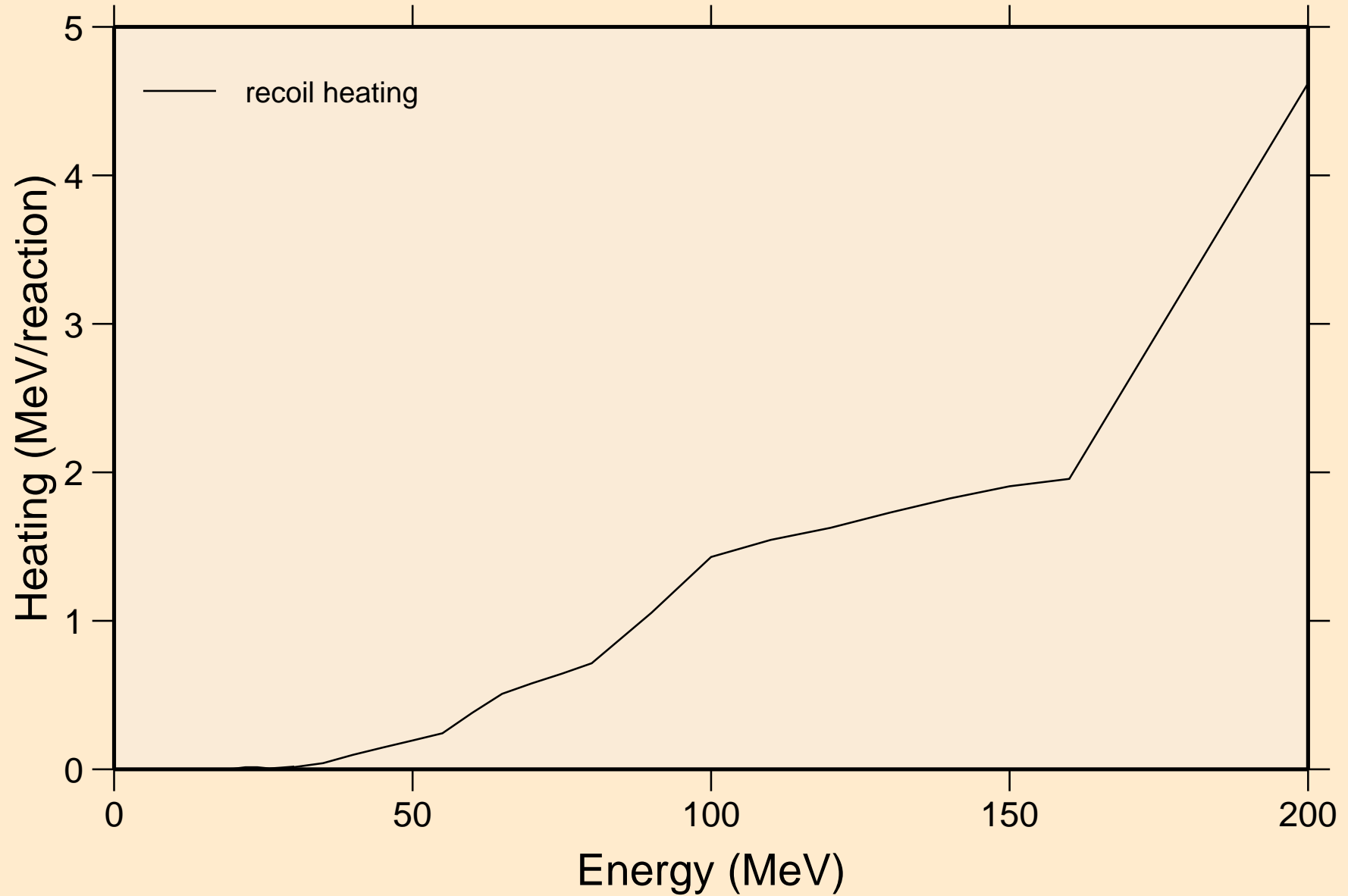




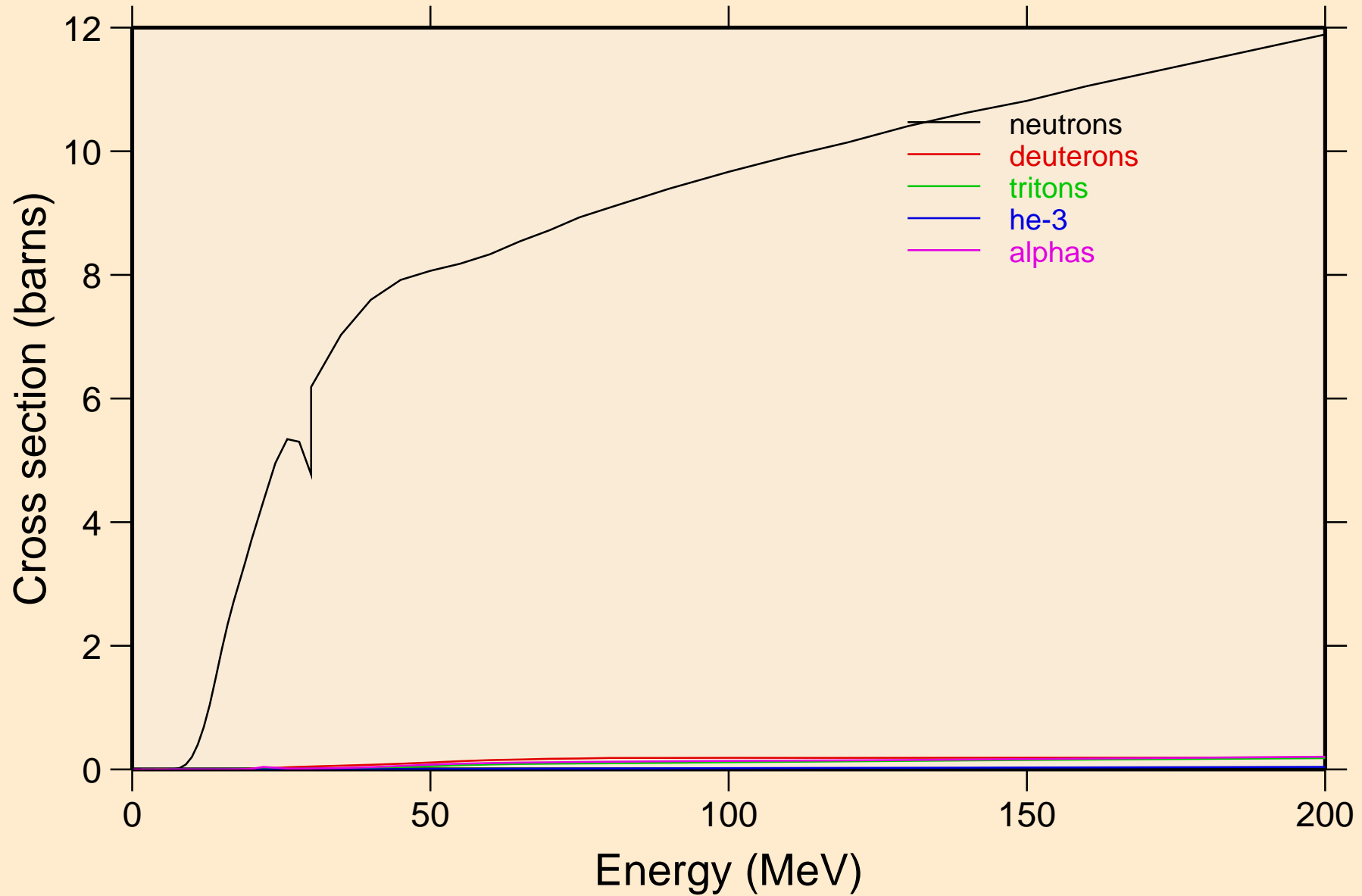
RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions



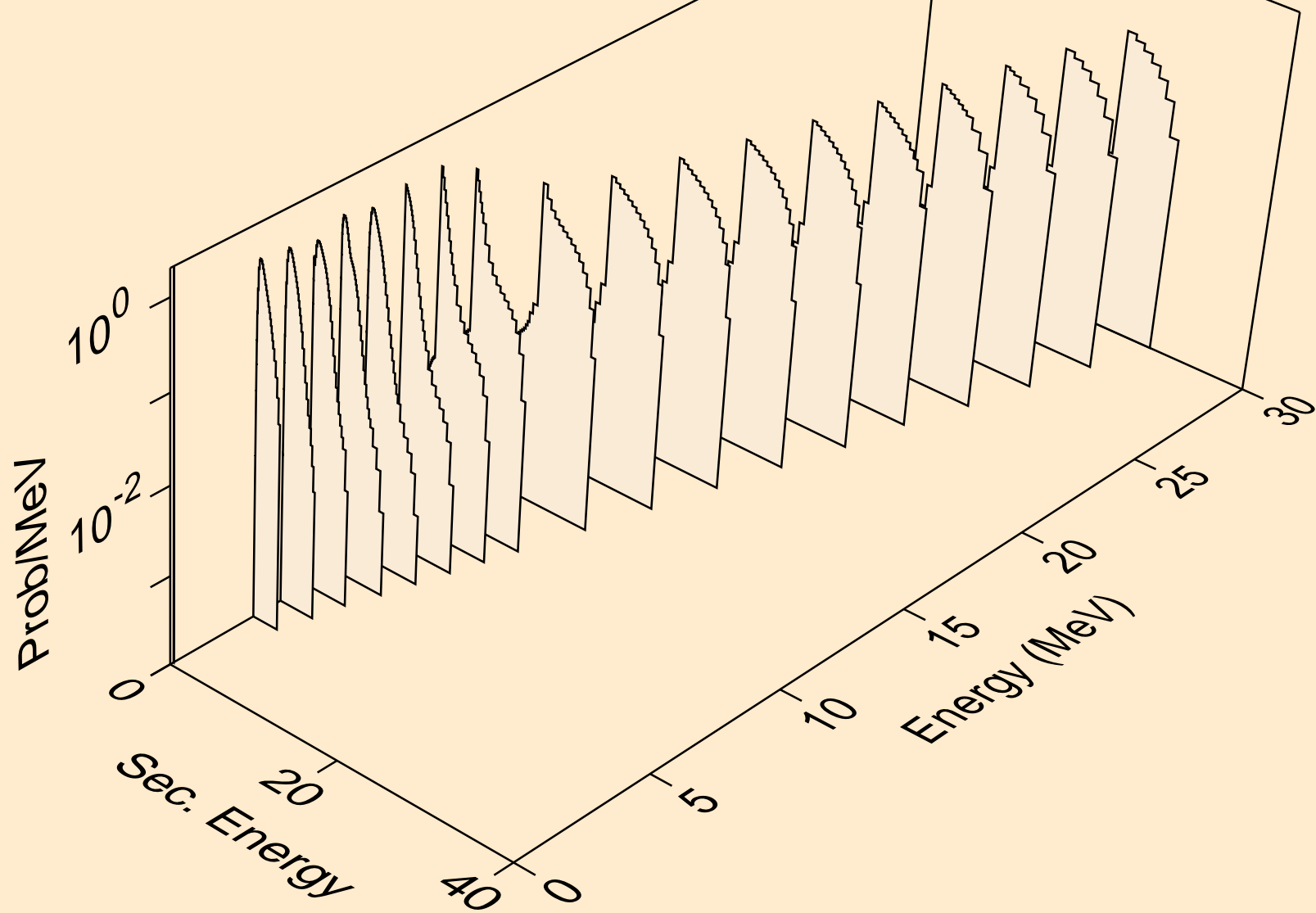
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Recoil Heating



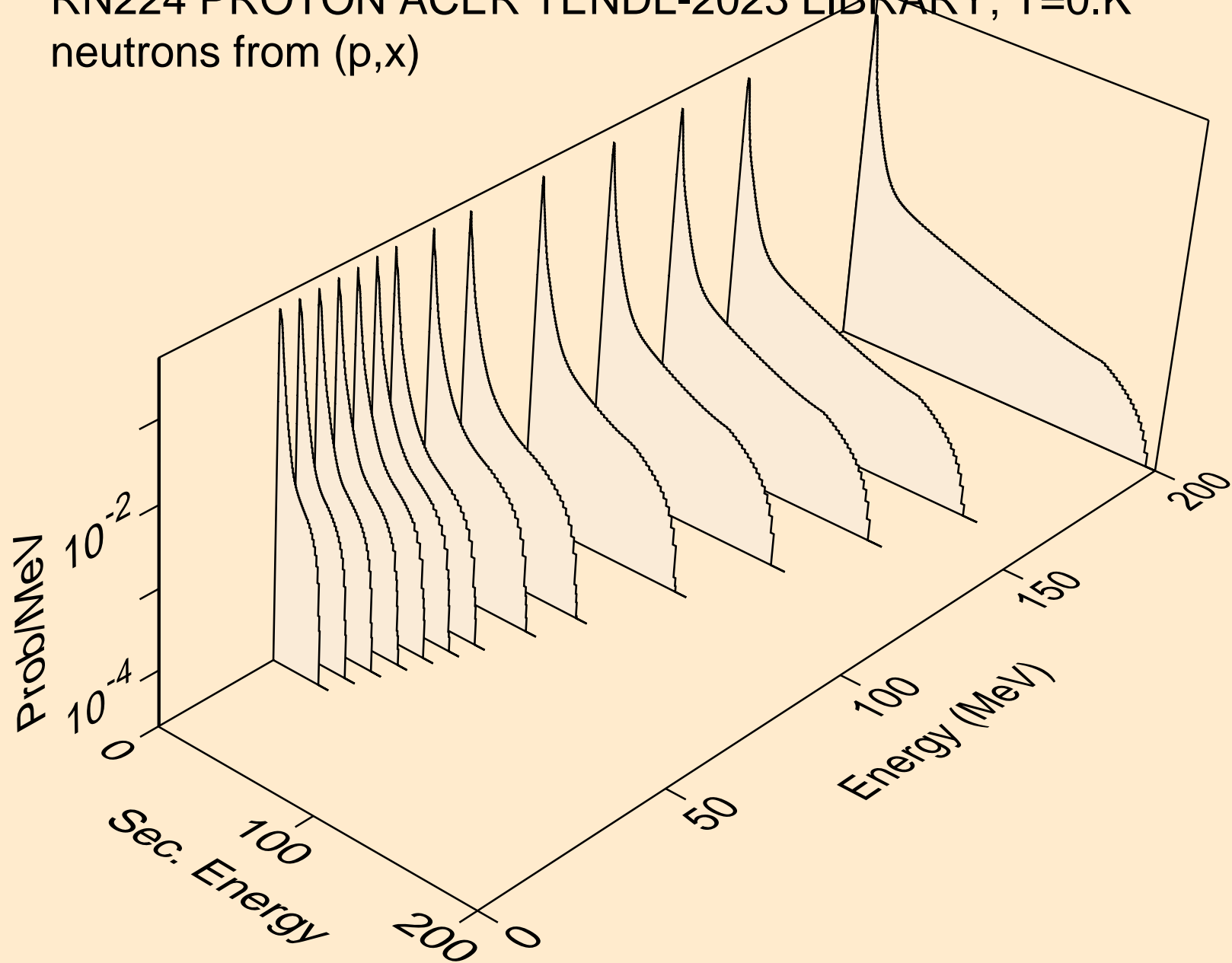
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Particle production cross sections



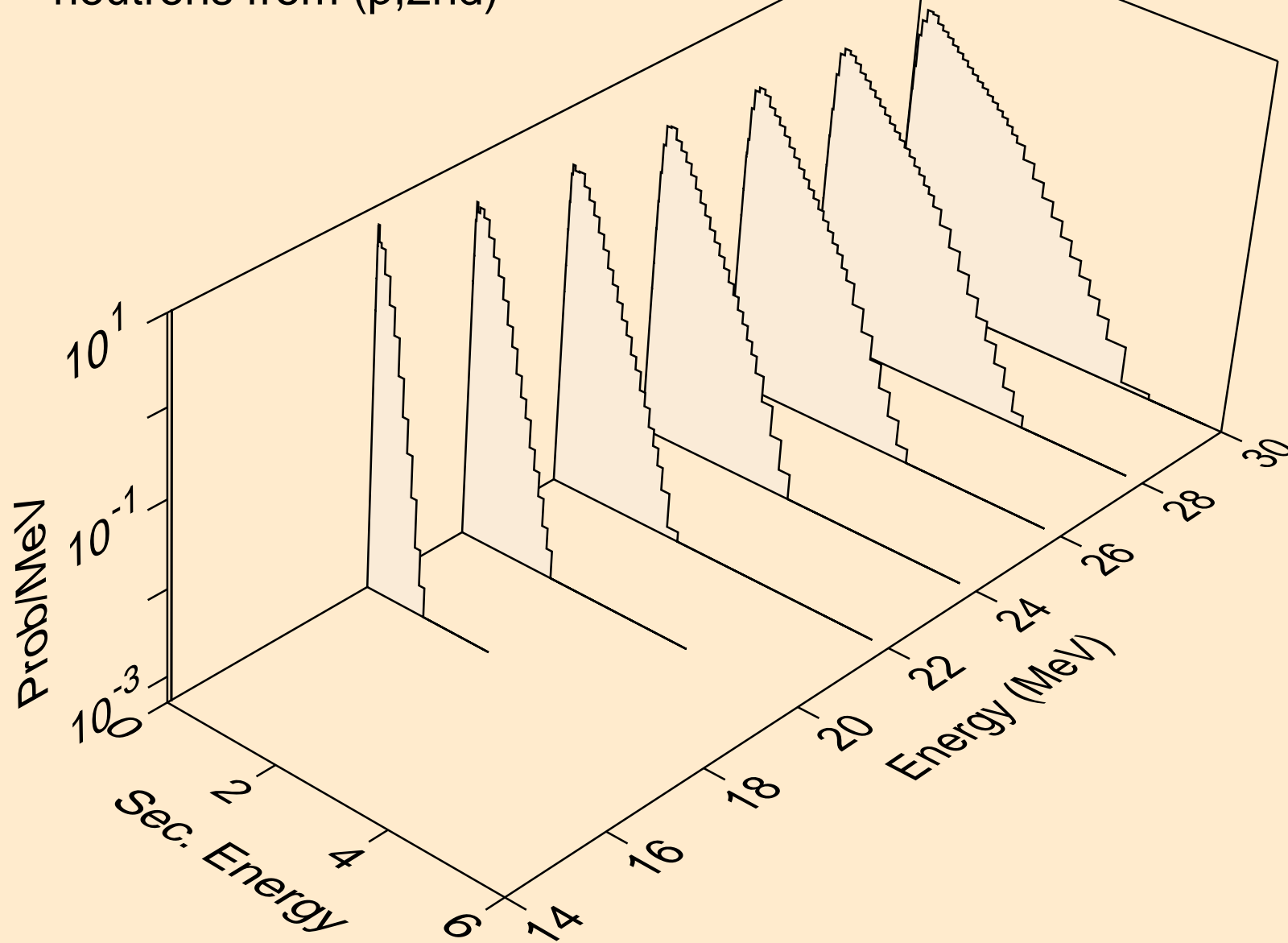
RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n)



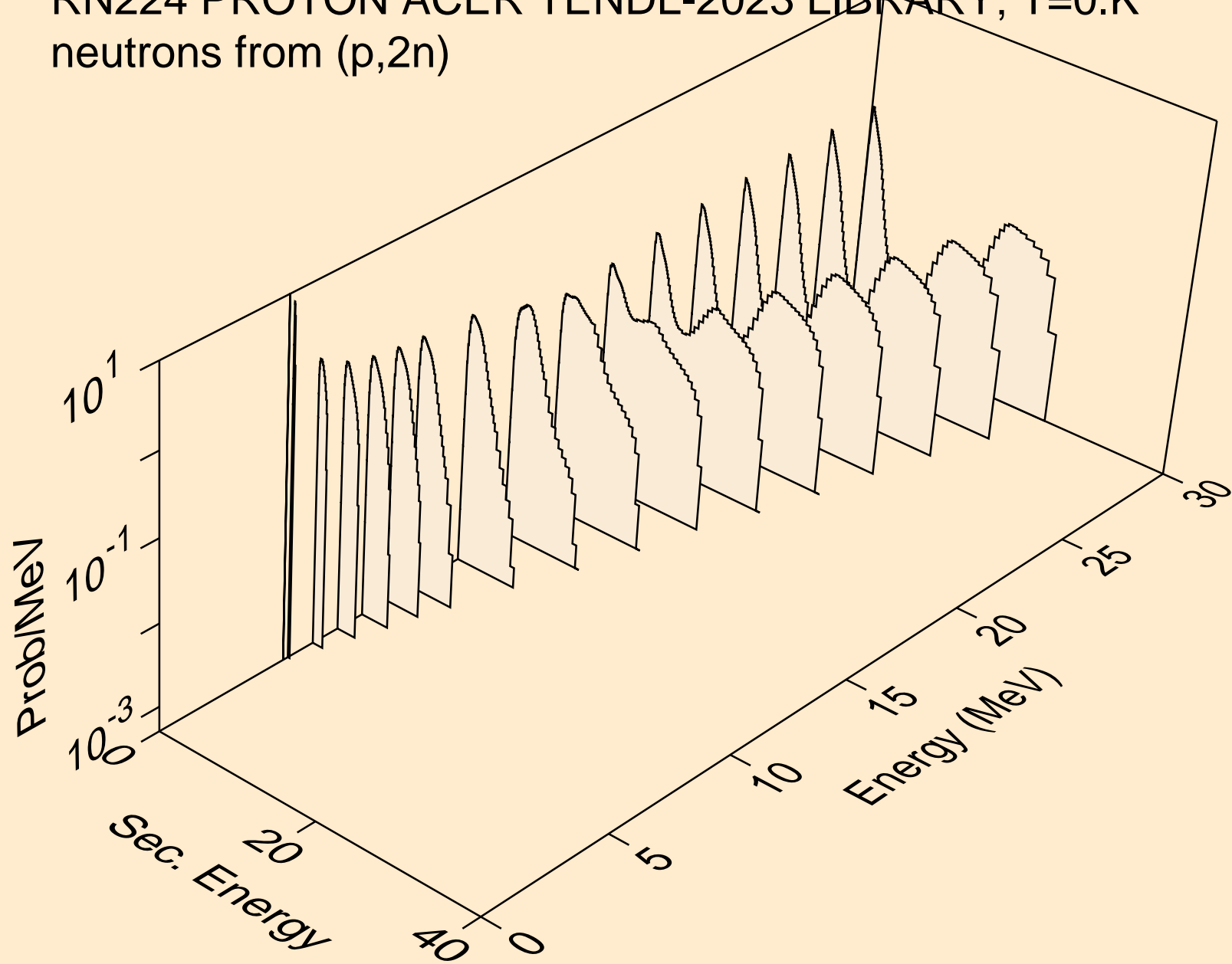
RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,x)



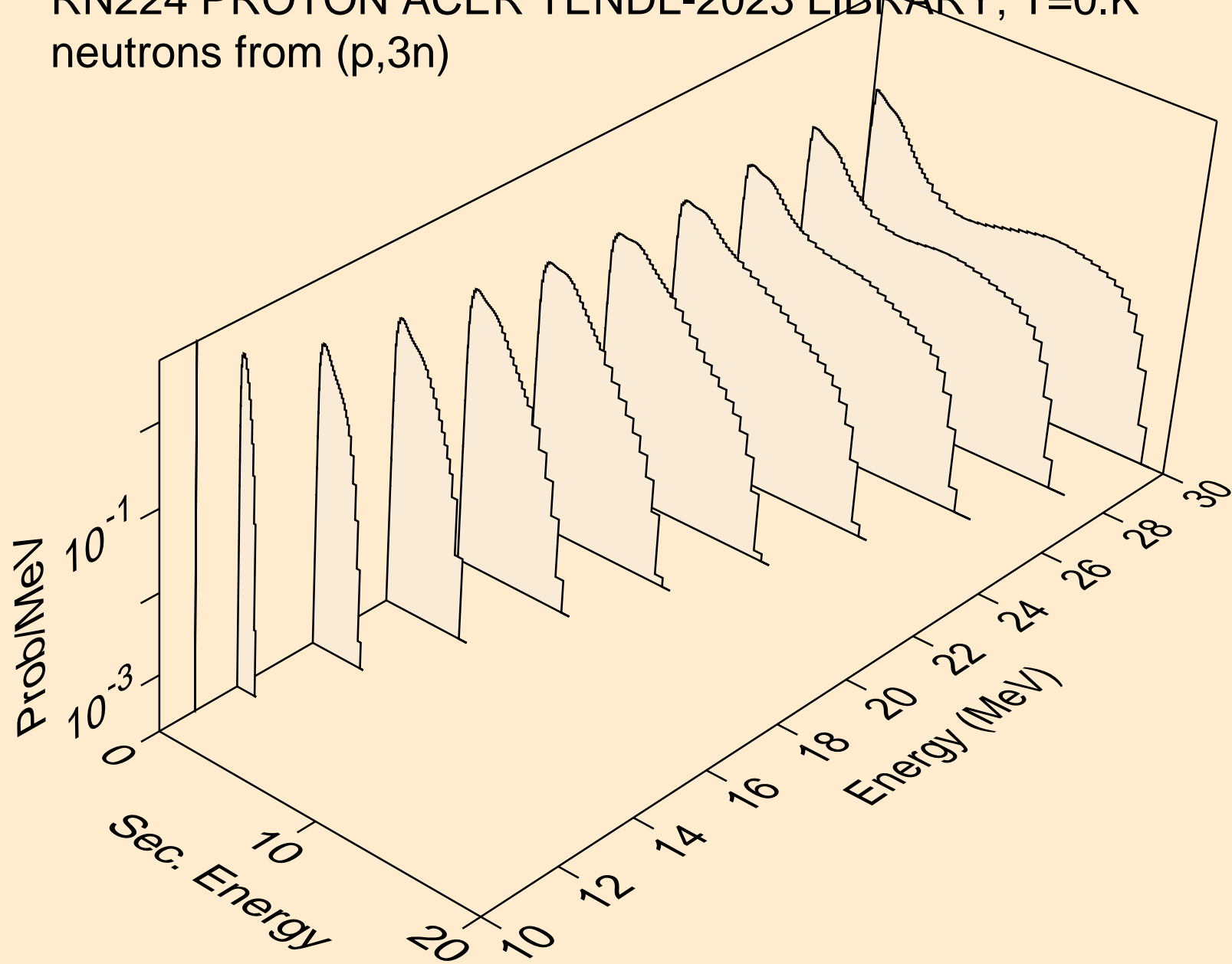
RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2nd)



RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2n)

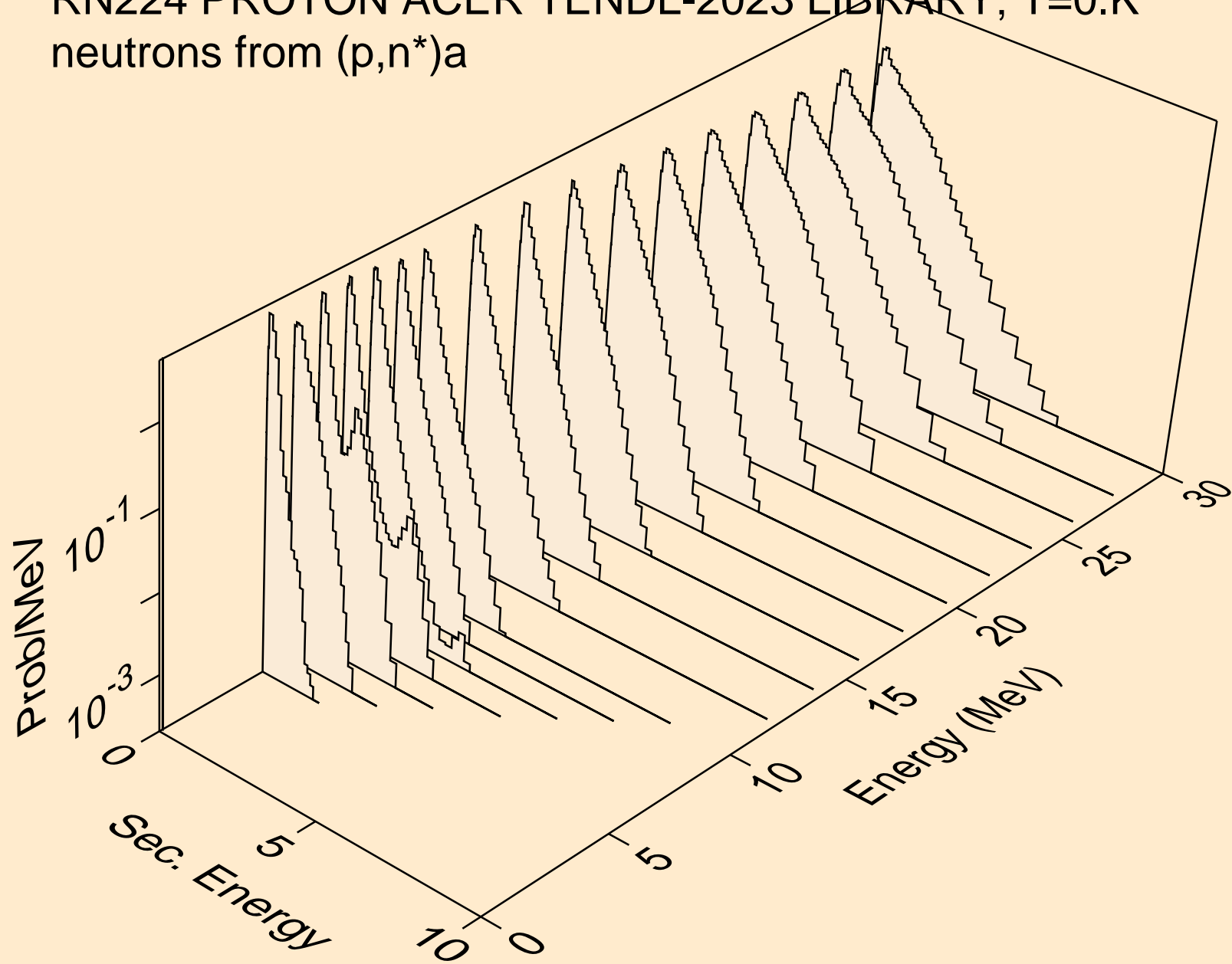


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neutrons from (p,3n)

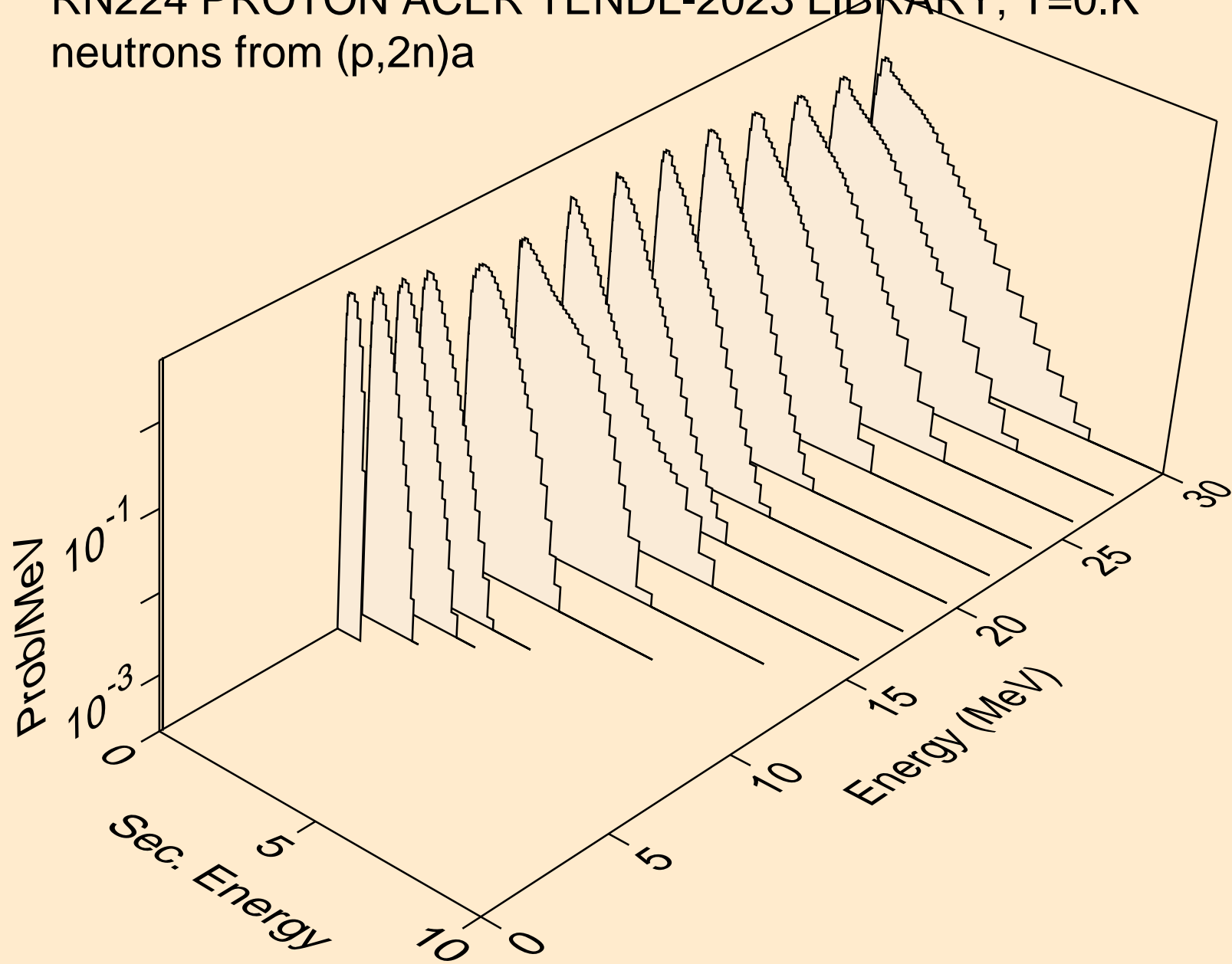




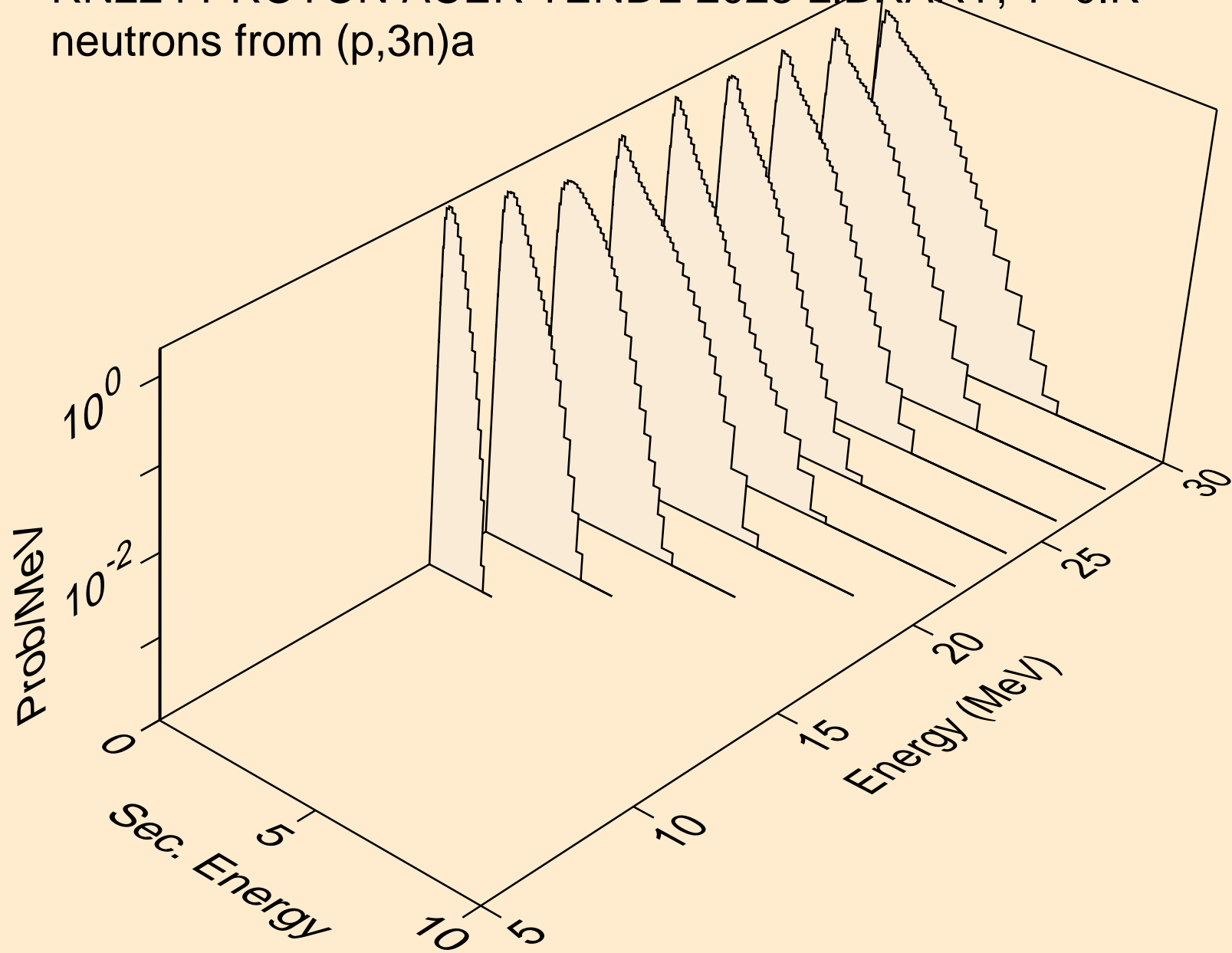
RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)a



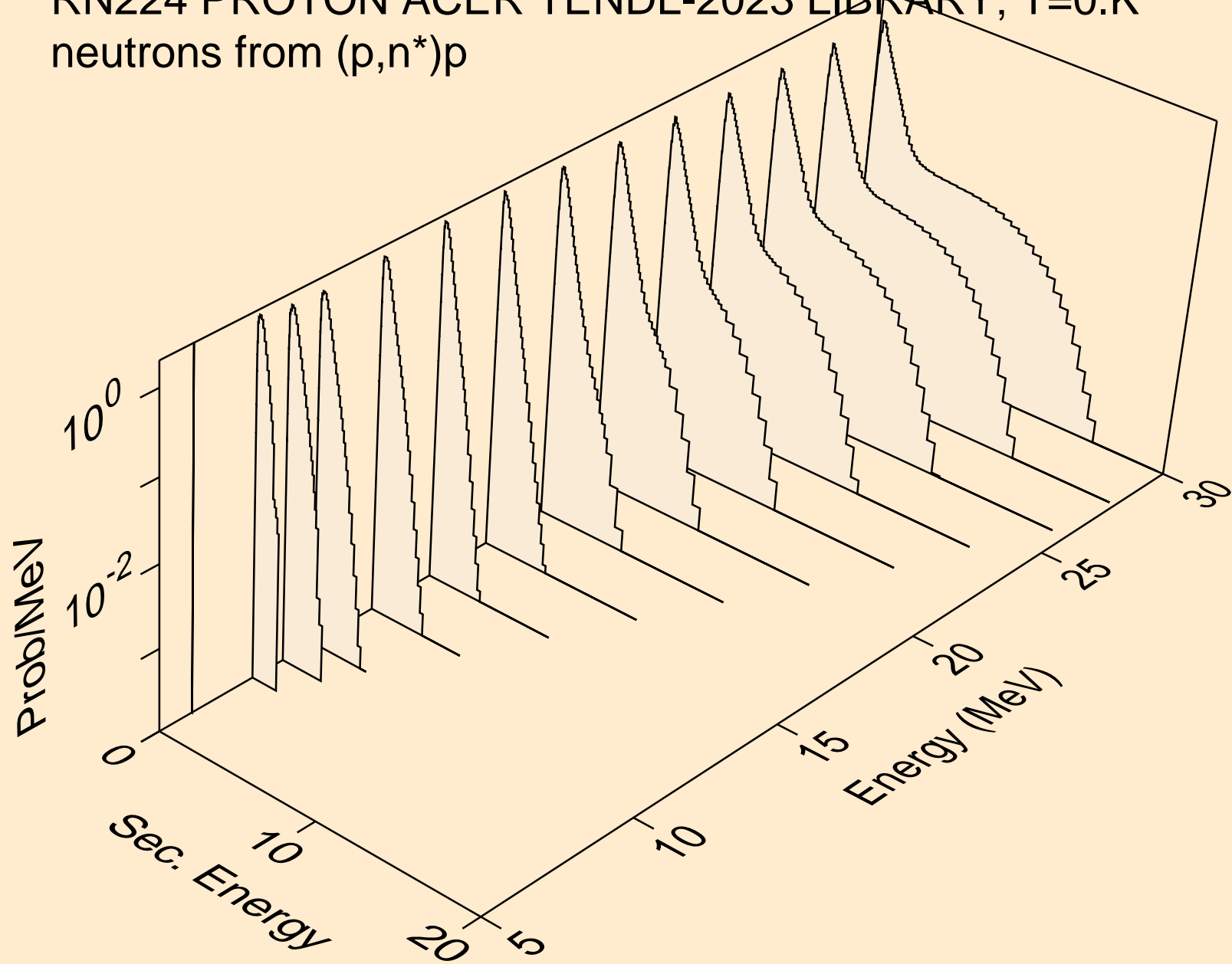
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neutrons from (p,2n)a



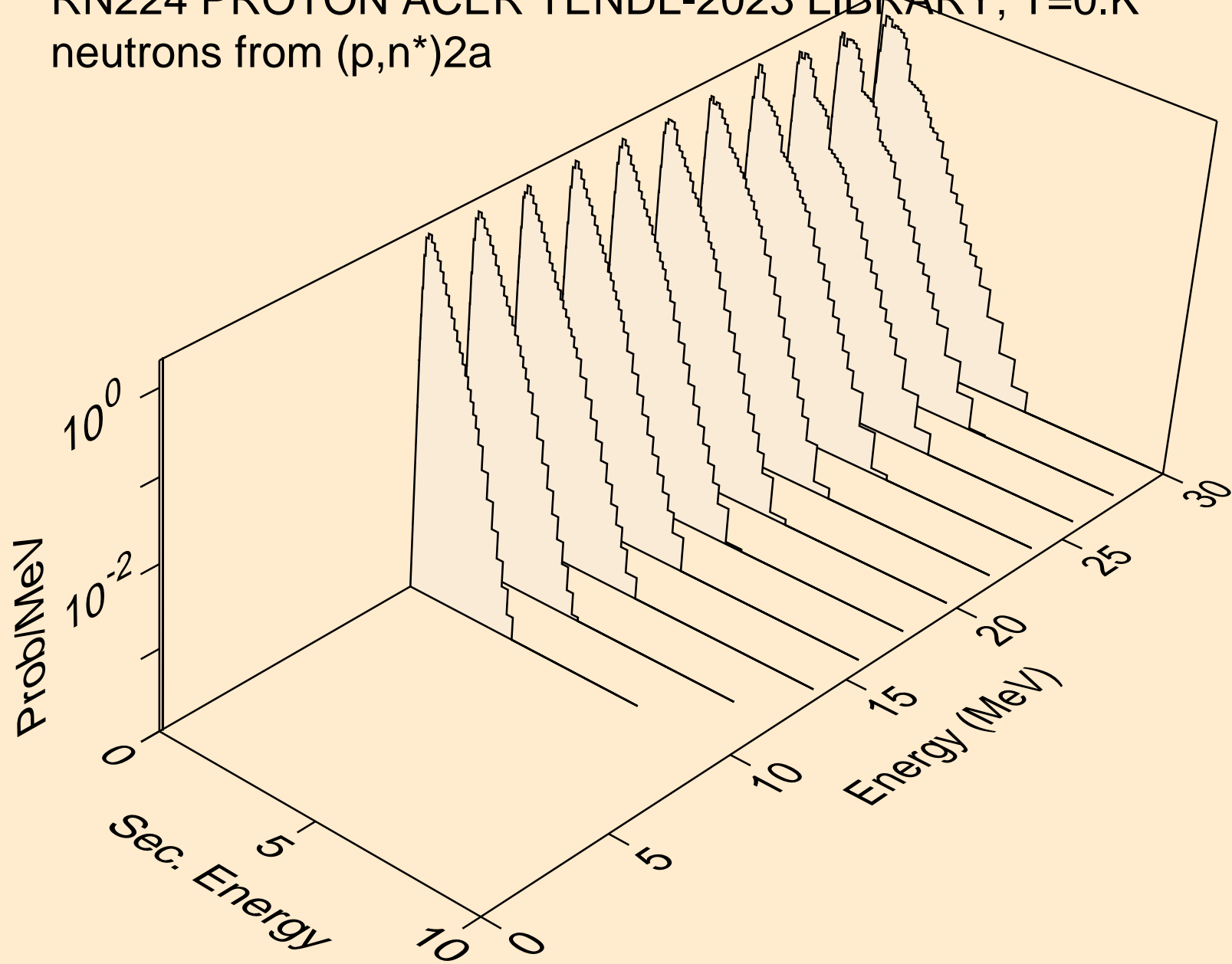
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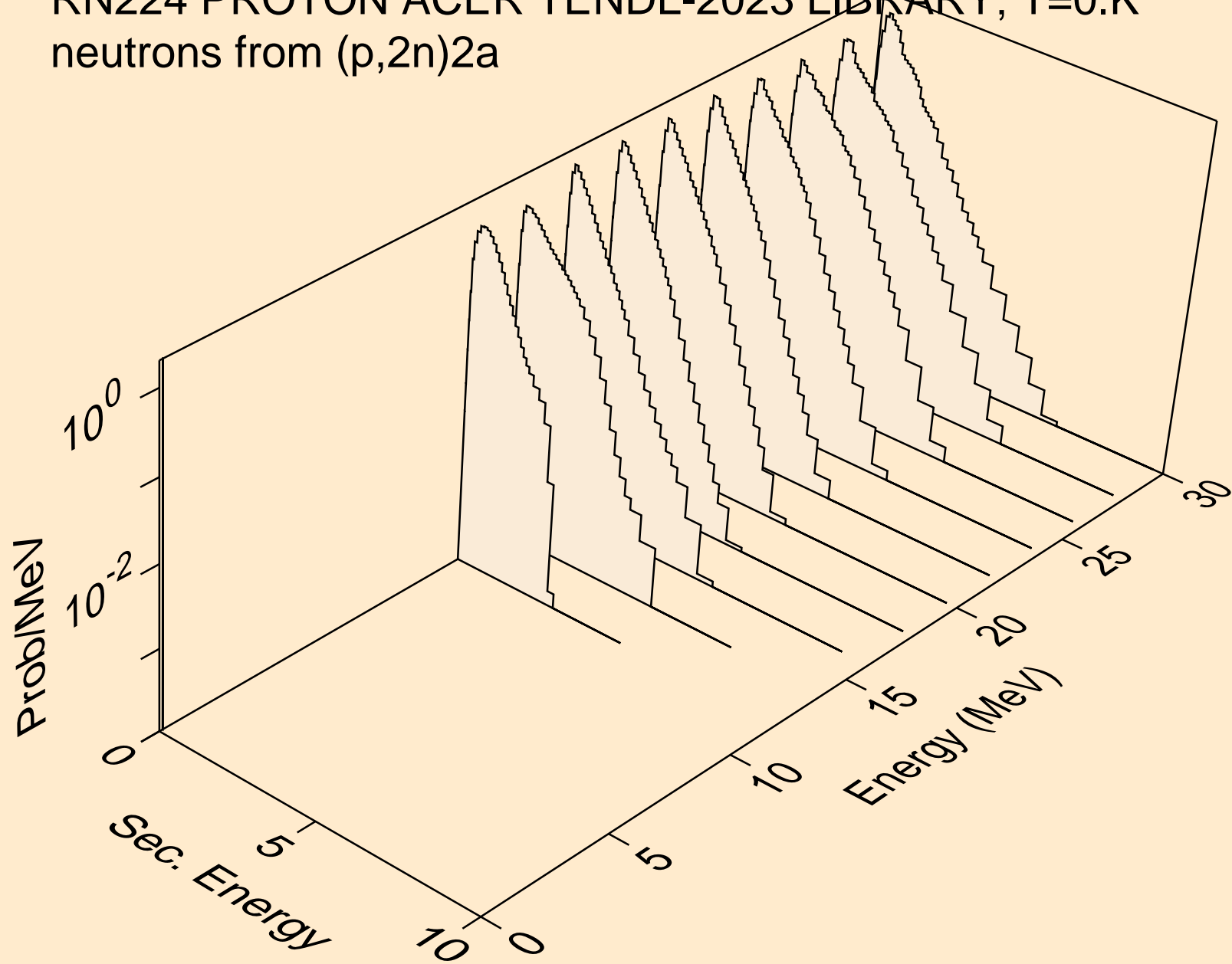
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neutrons from (p,n\*)p



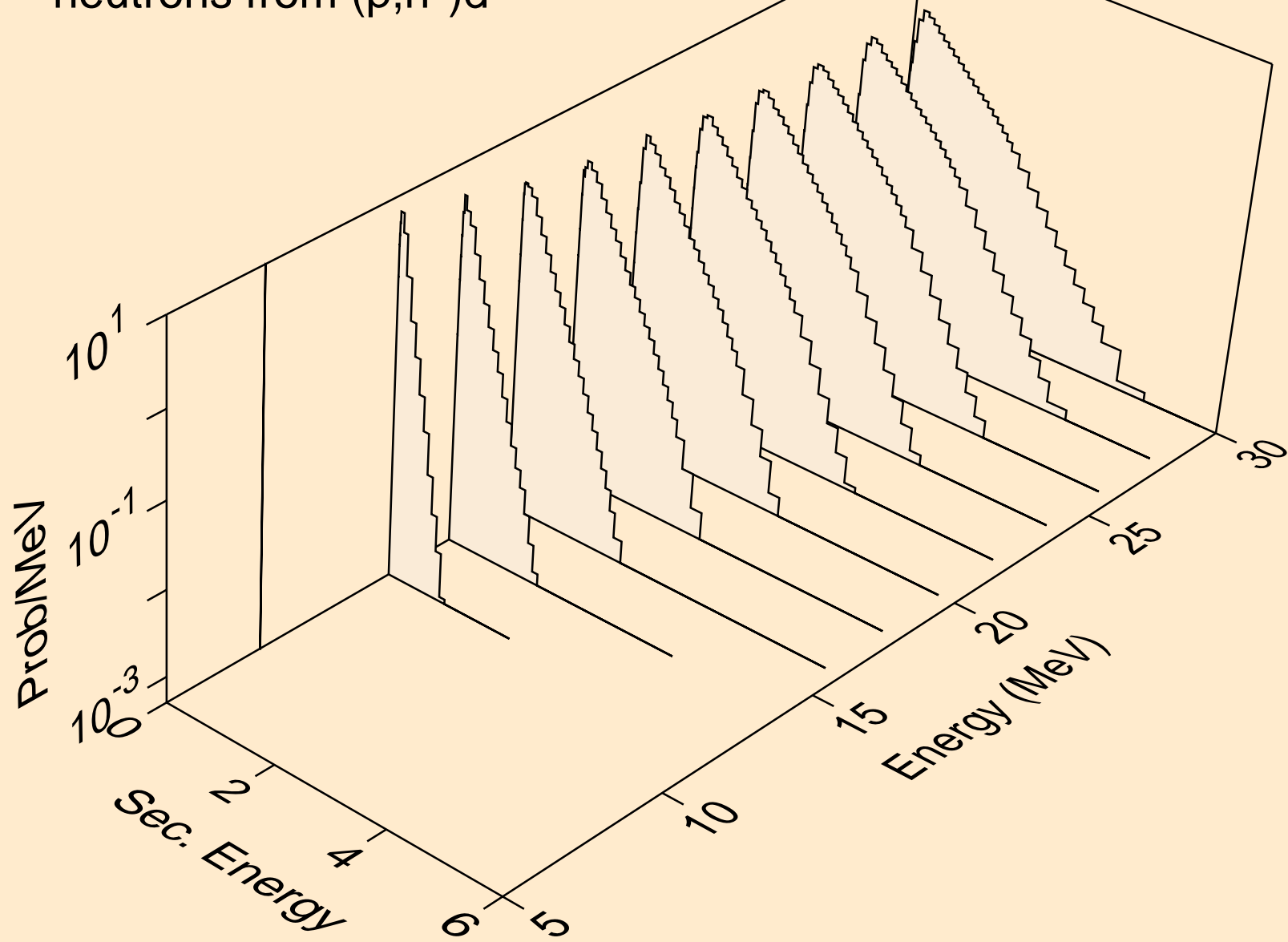
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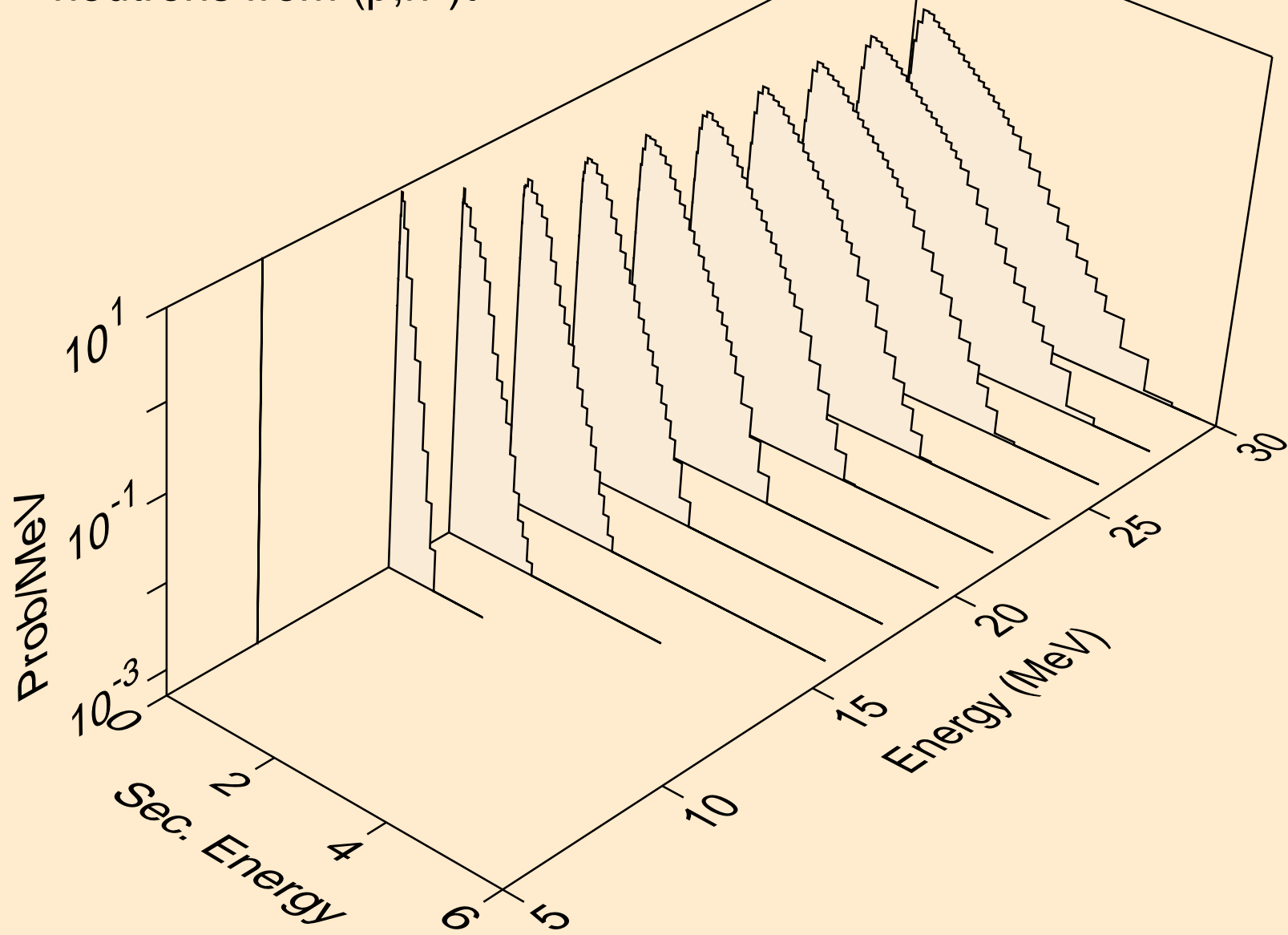
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neutrons from (p,2n)2a



RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n\*)d

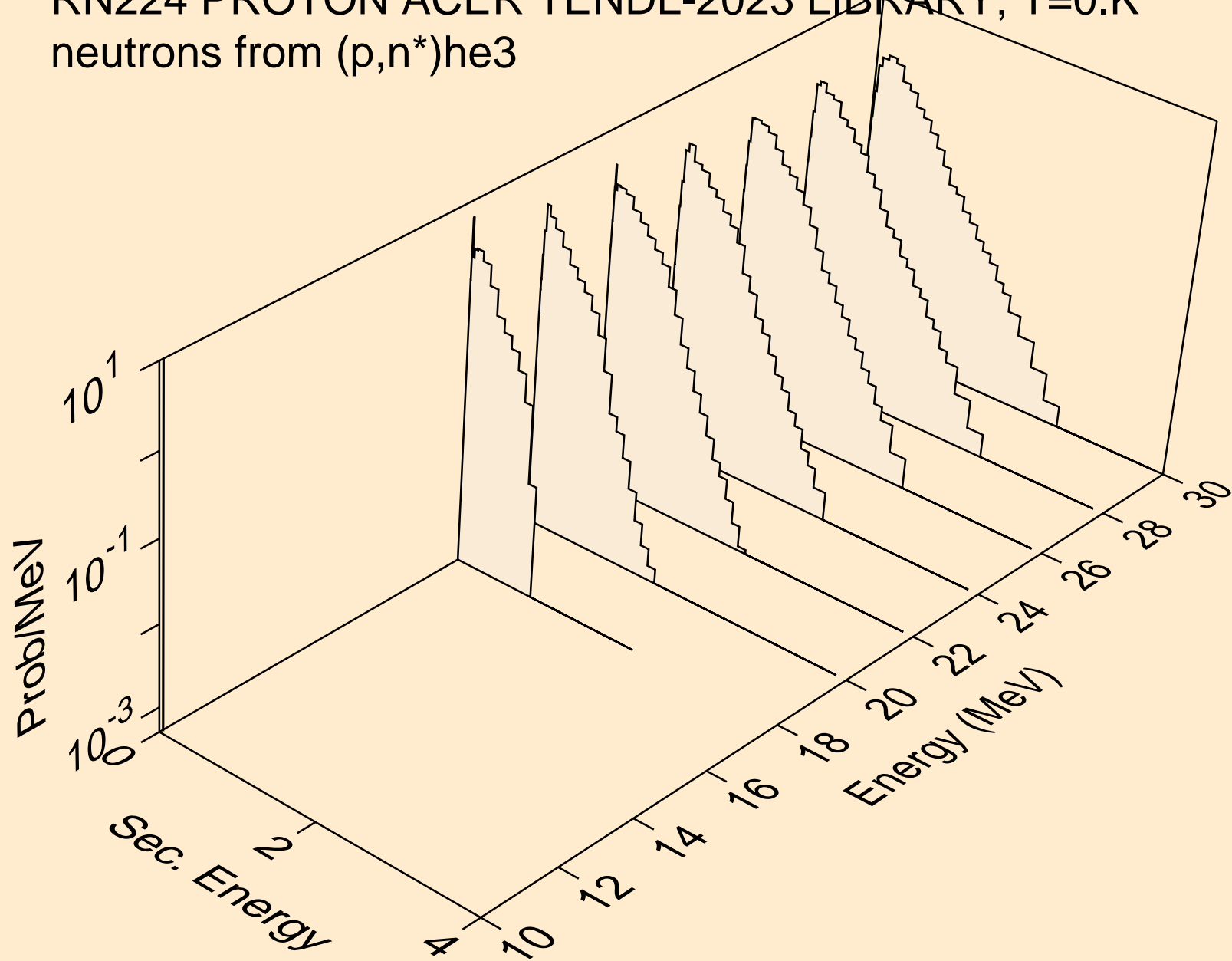


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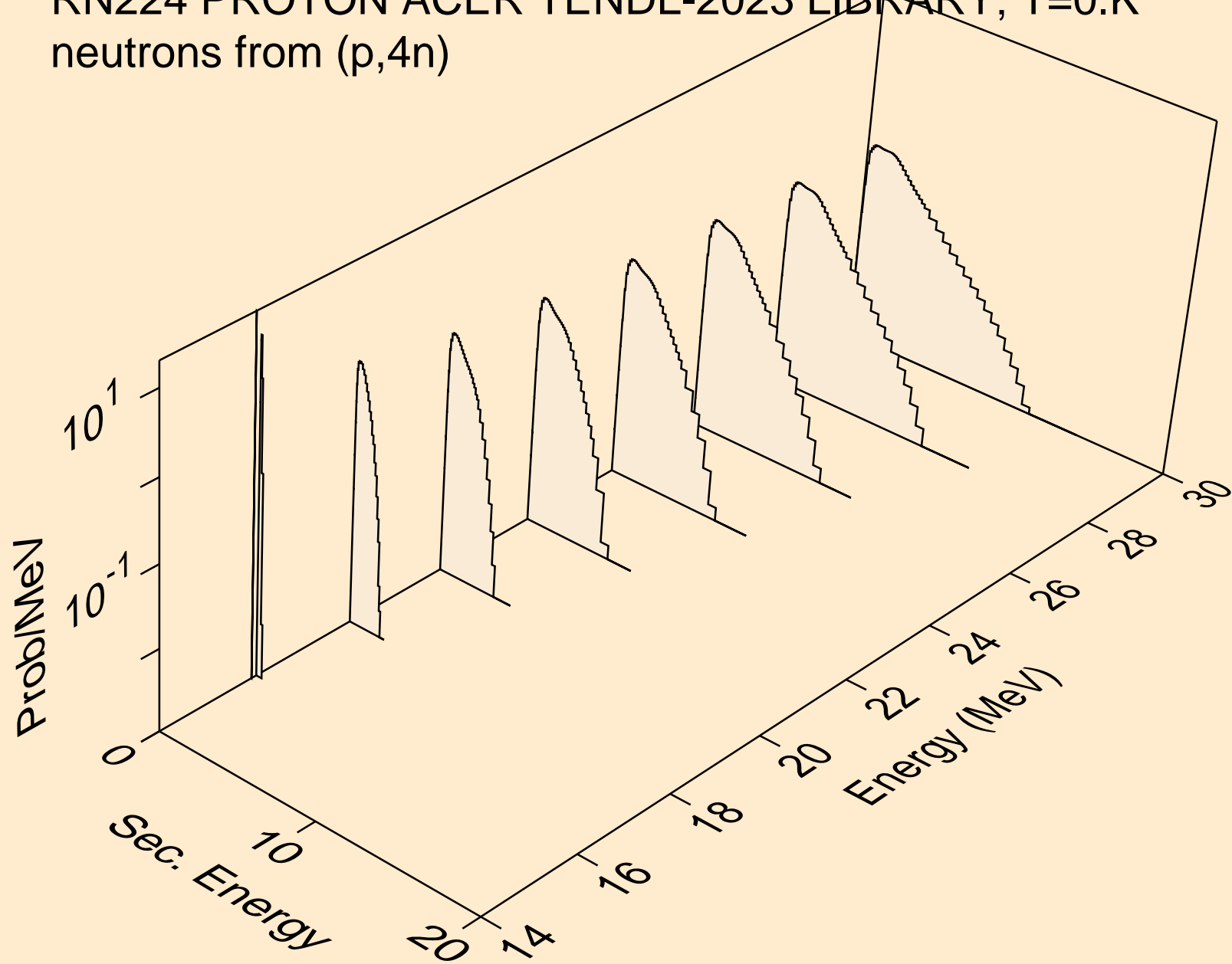




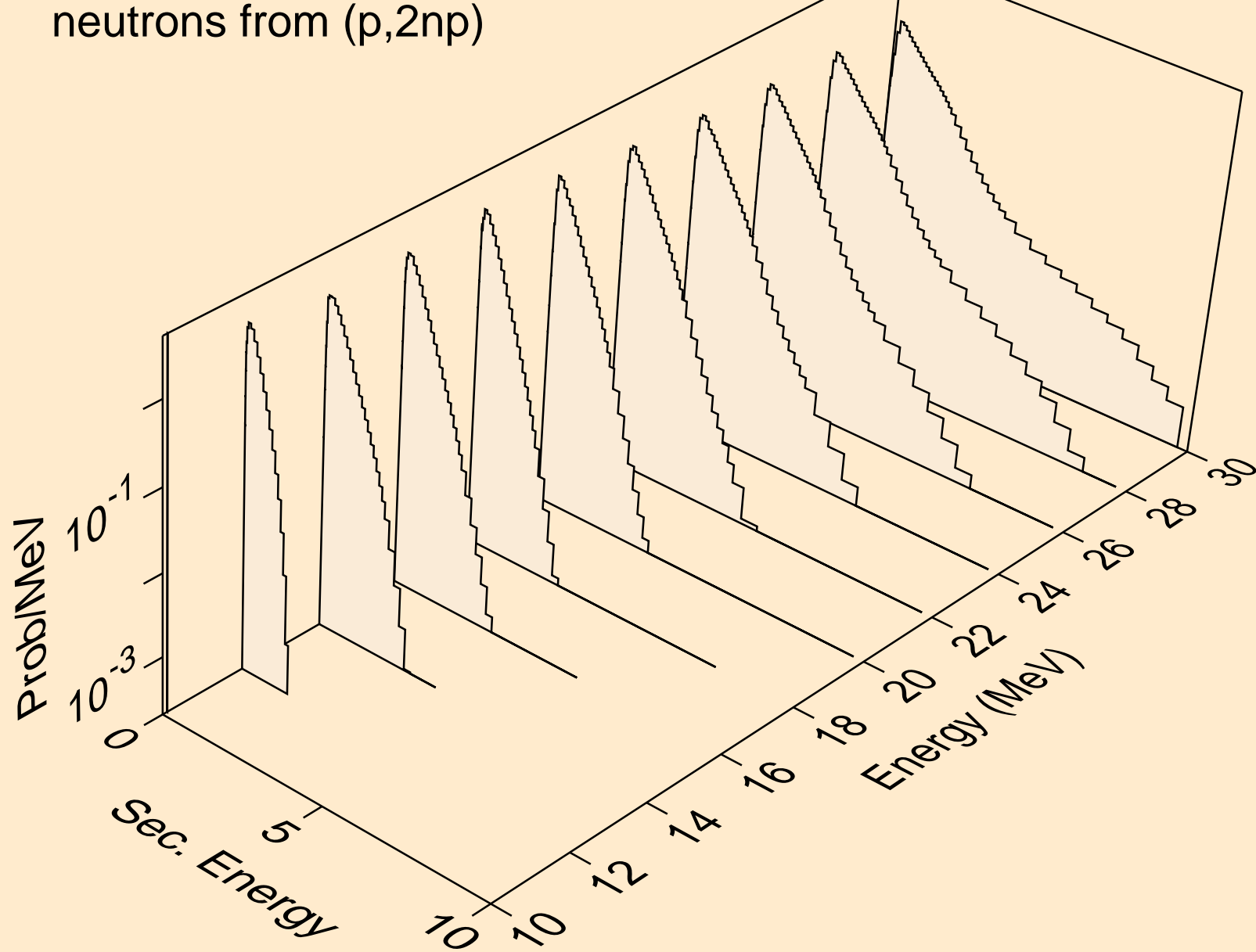
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neutrons from (p,n\*)he3



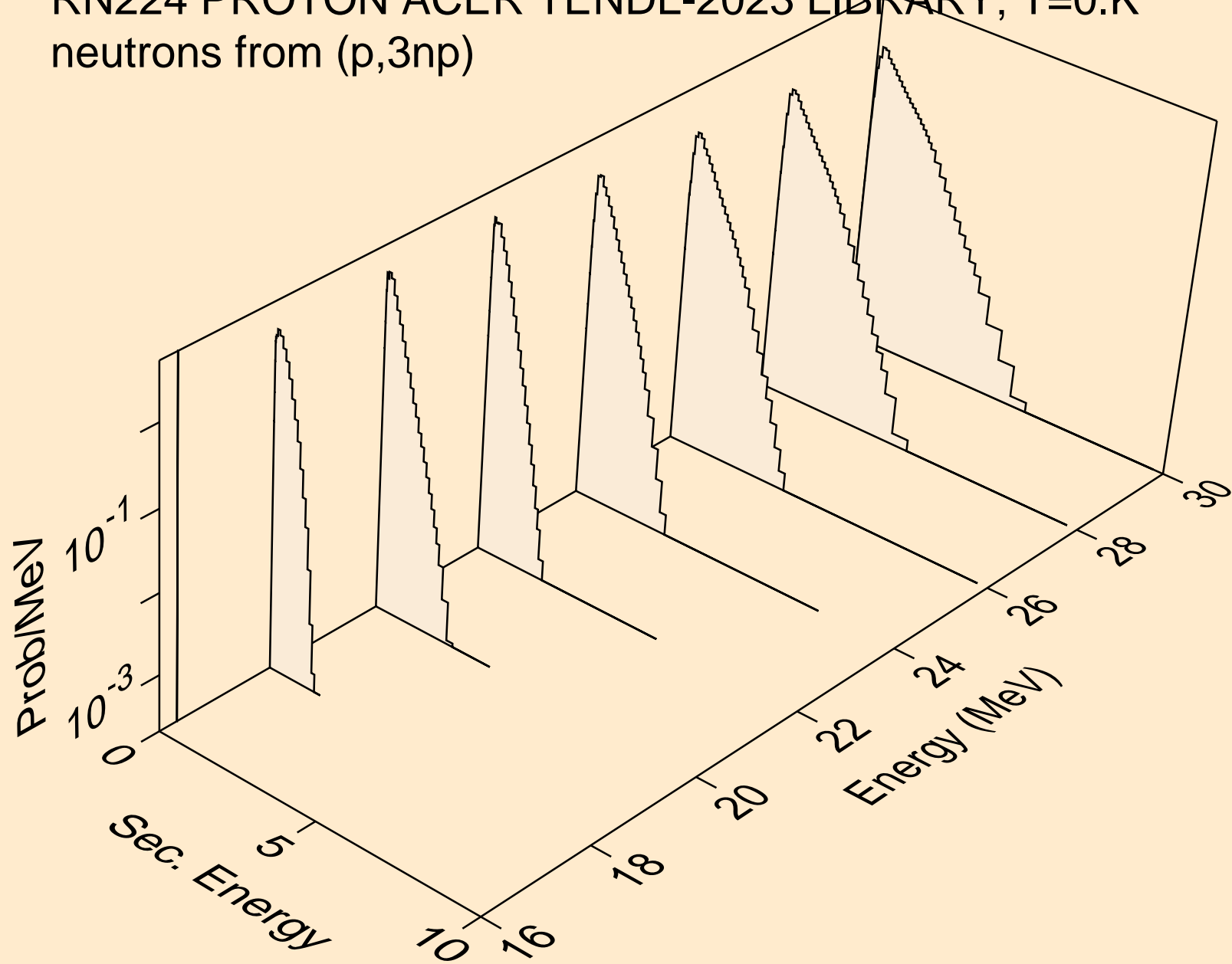
RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,4n)



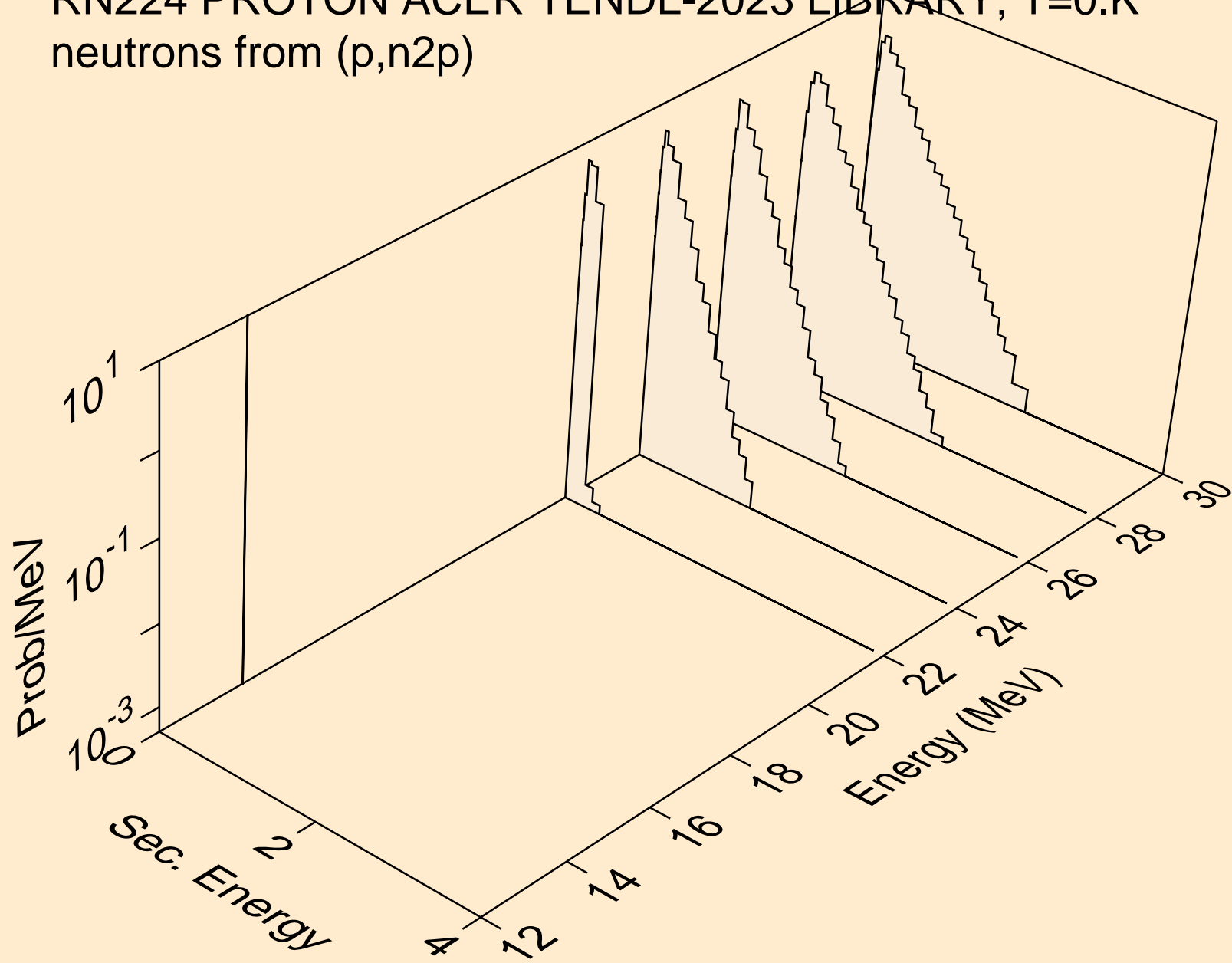
RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,2np)



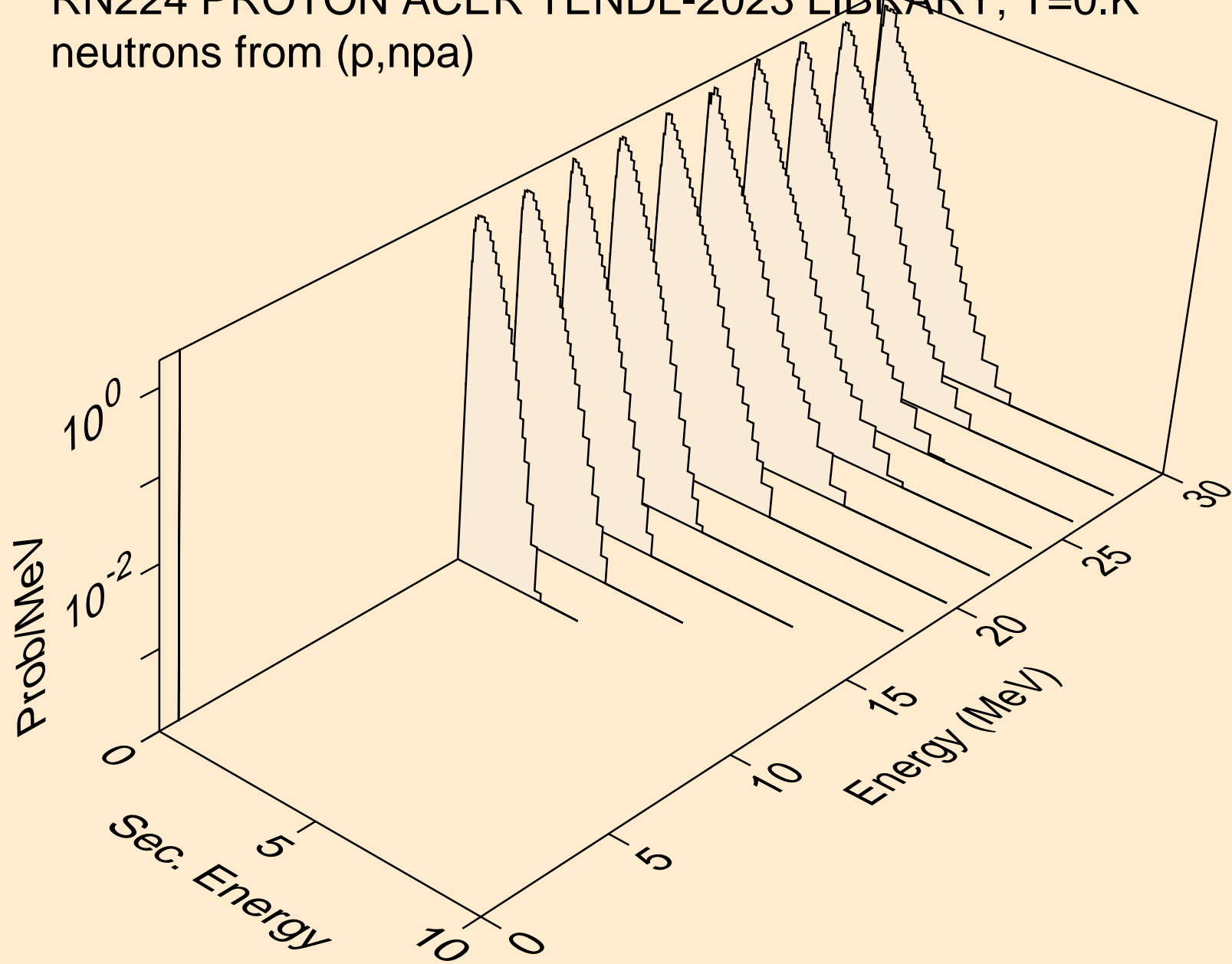
RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,3np)



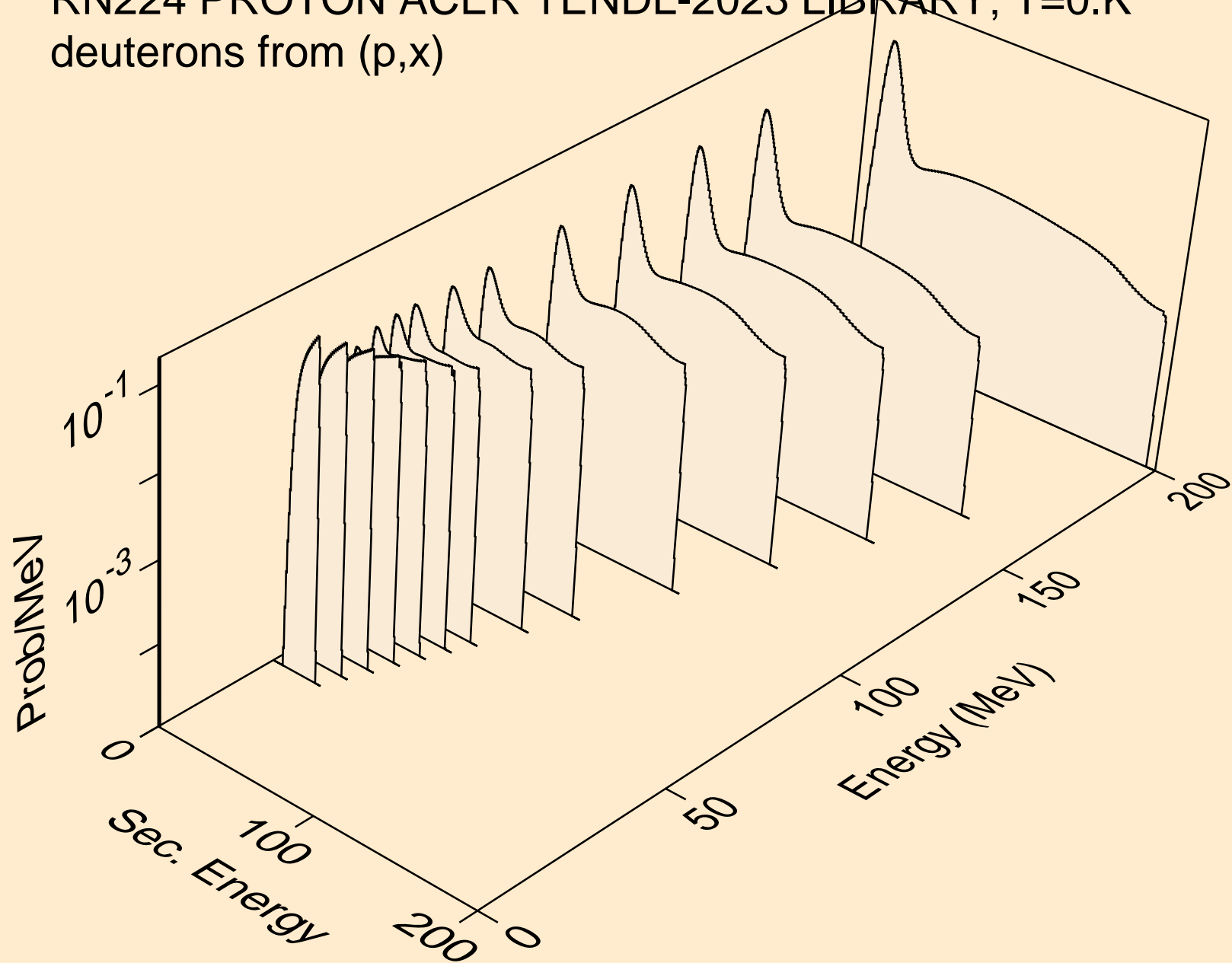
RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,n2p)



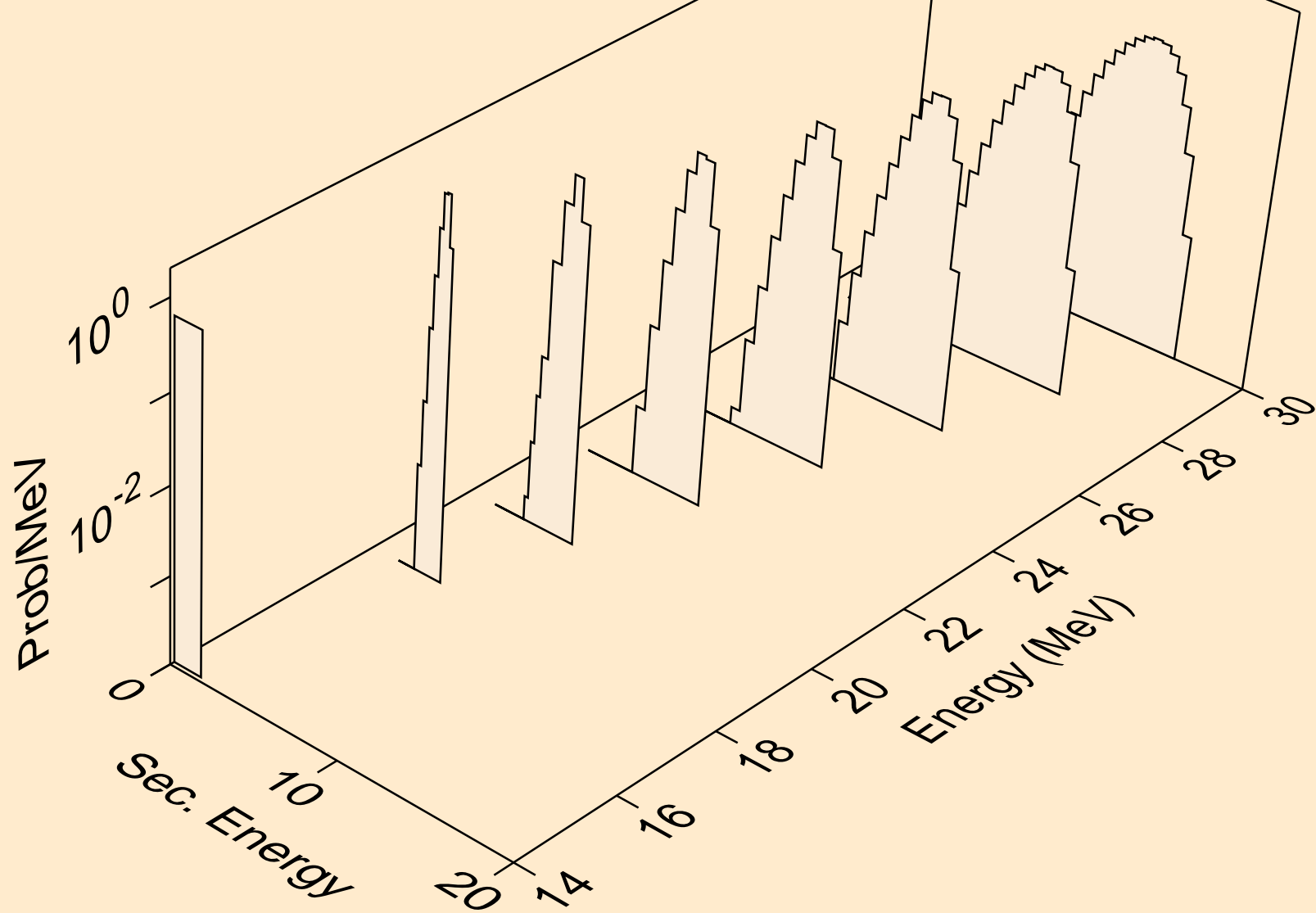
RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (p,npa)



RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,x)

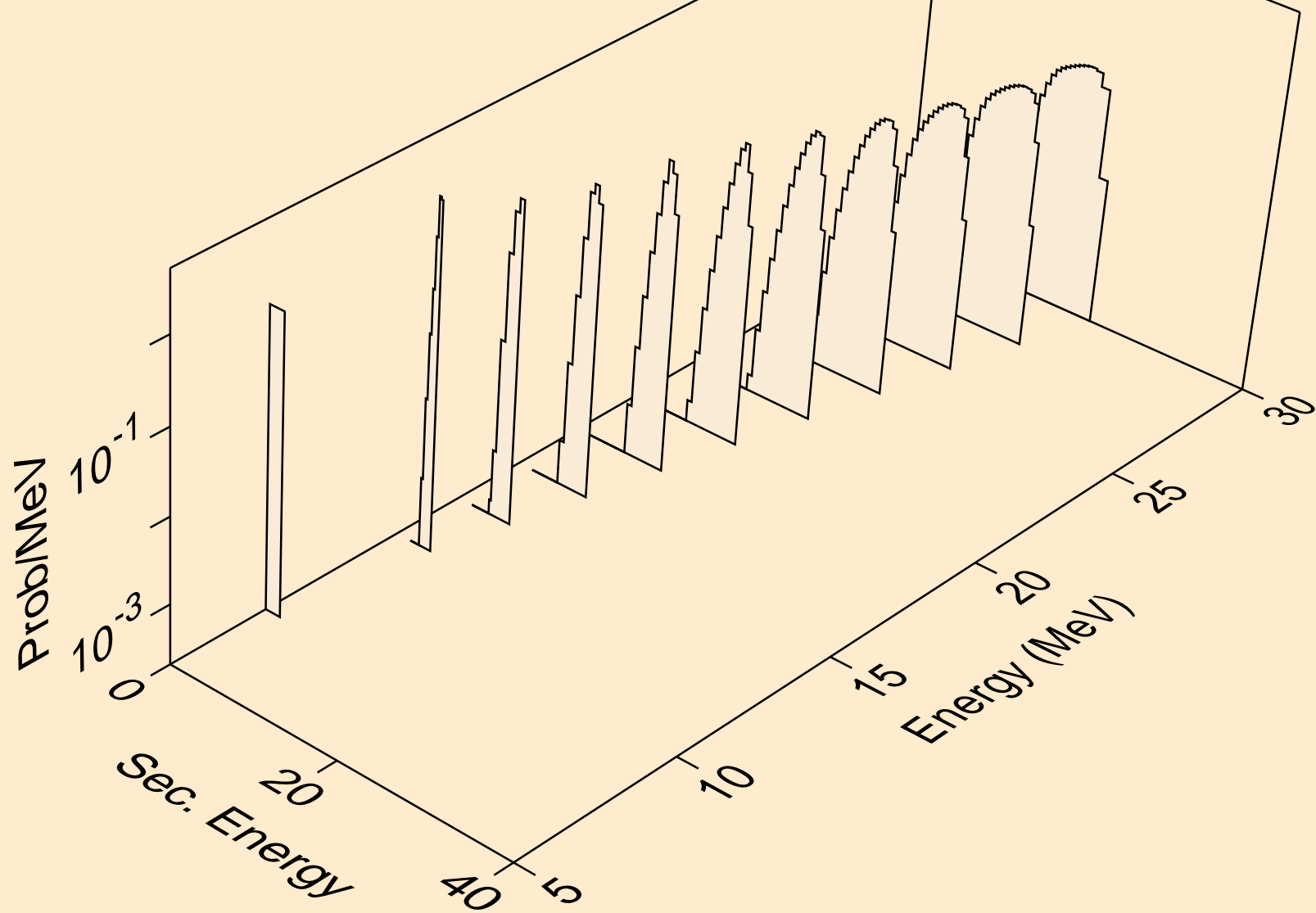


RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,2nd)

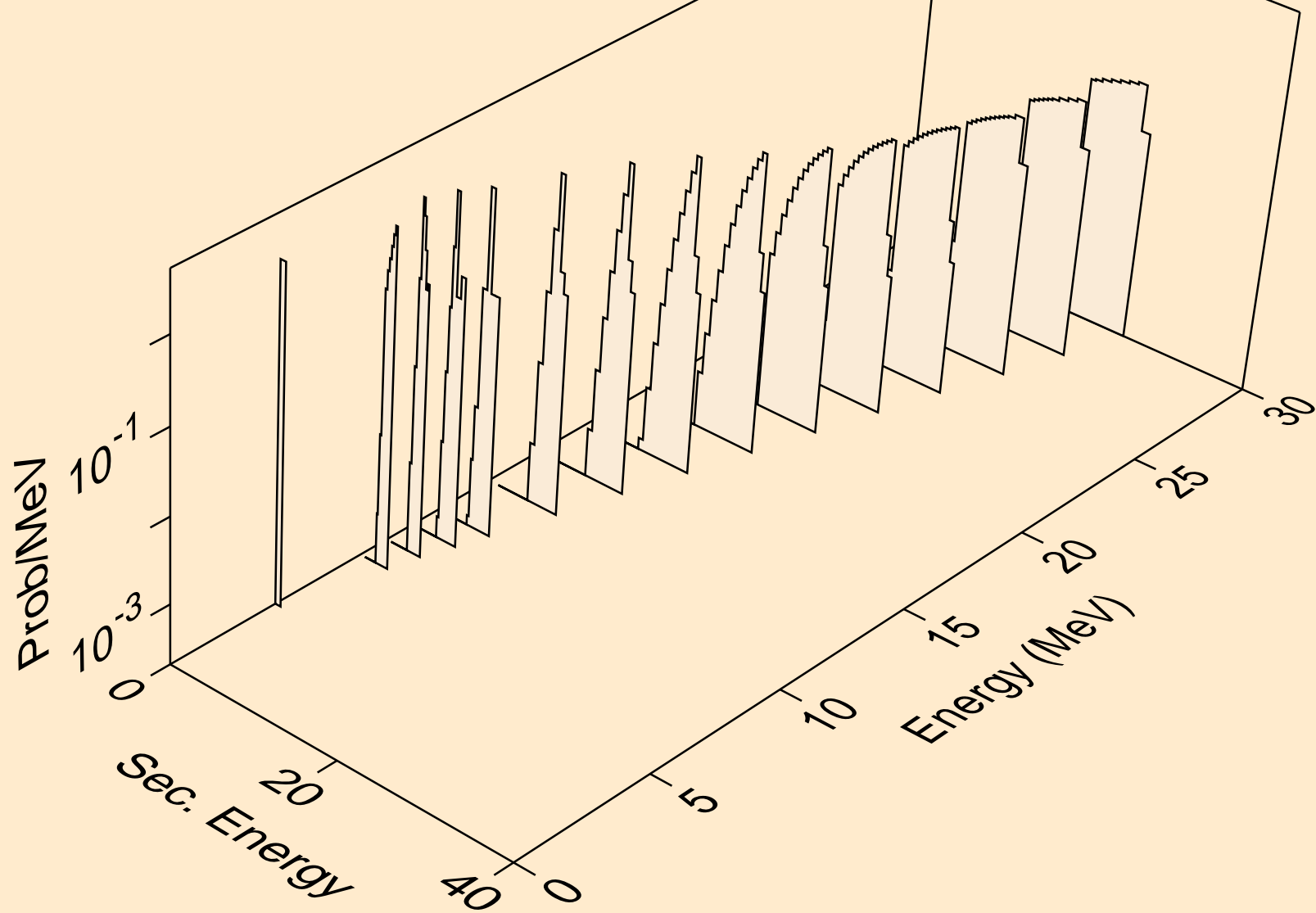




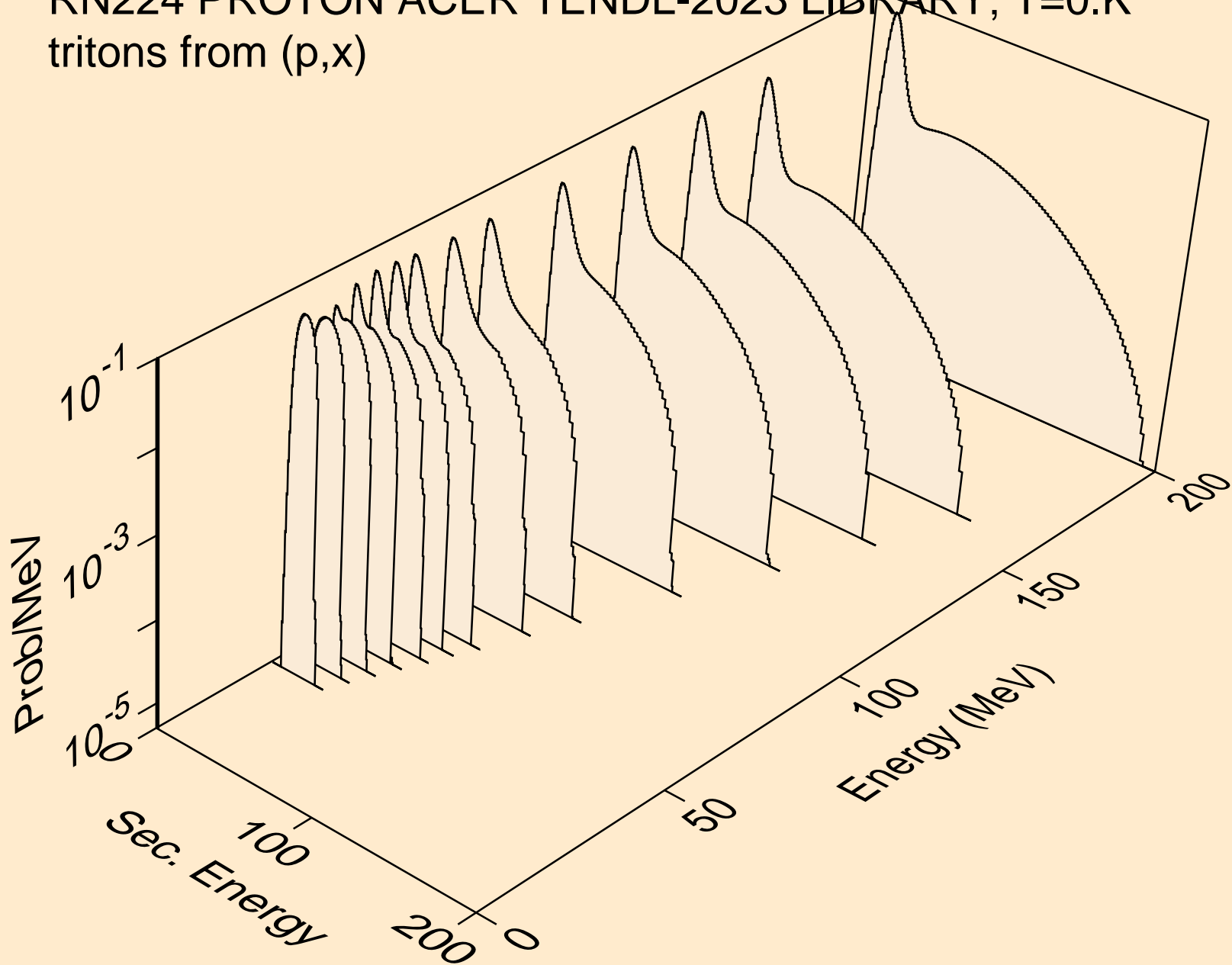
RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (p,n\*)d



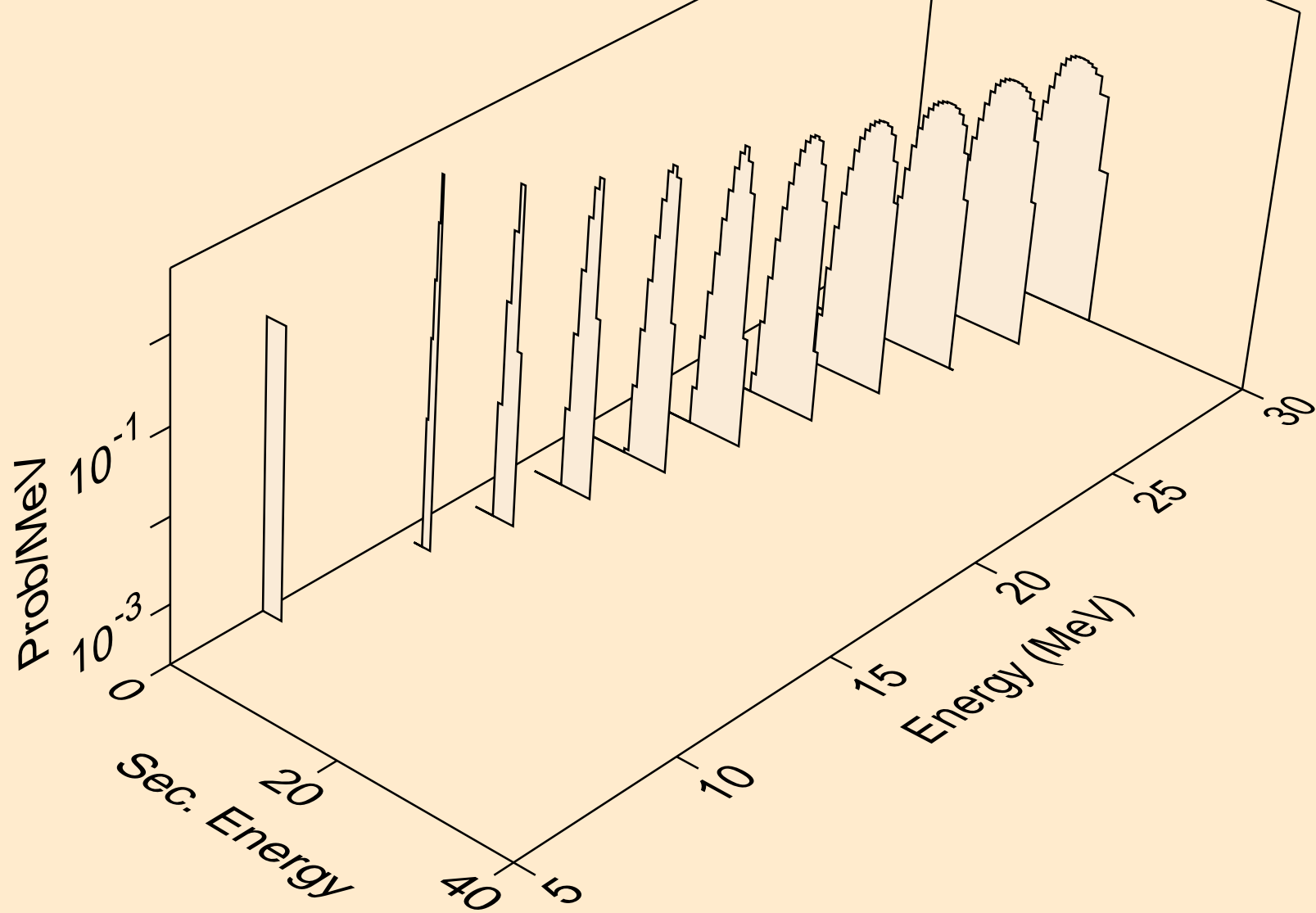
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deuterons from (p,d)



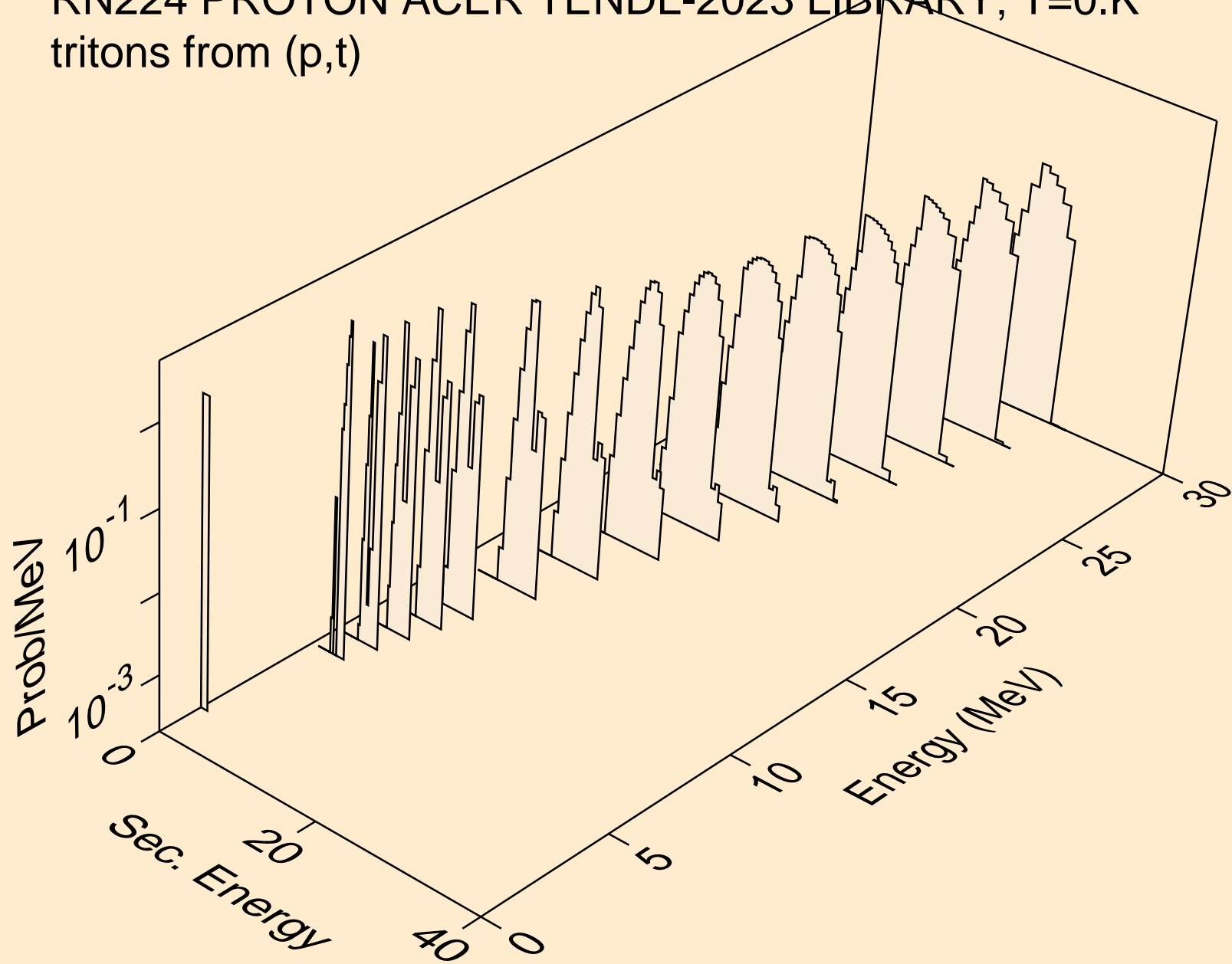
RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (p,x)



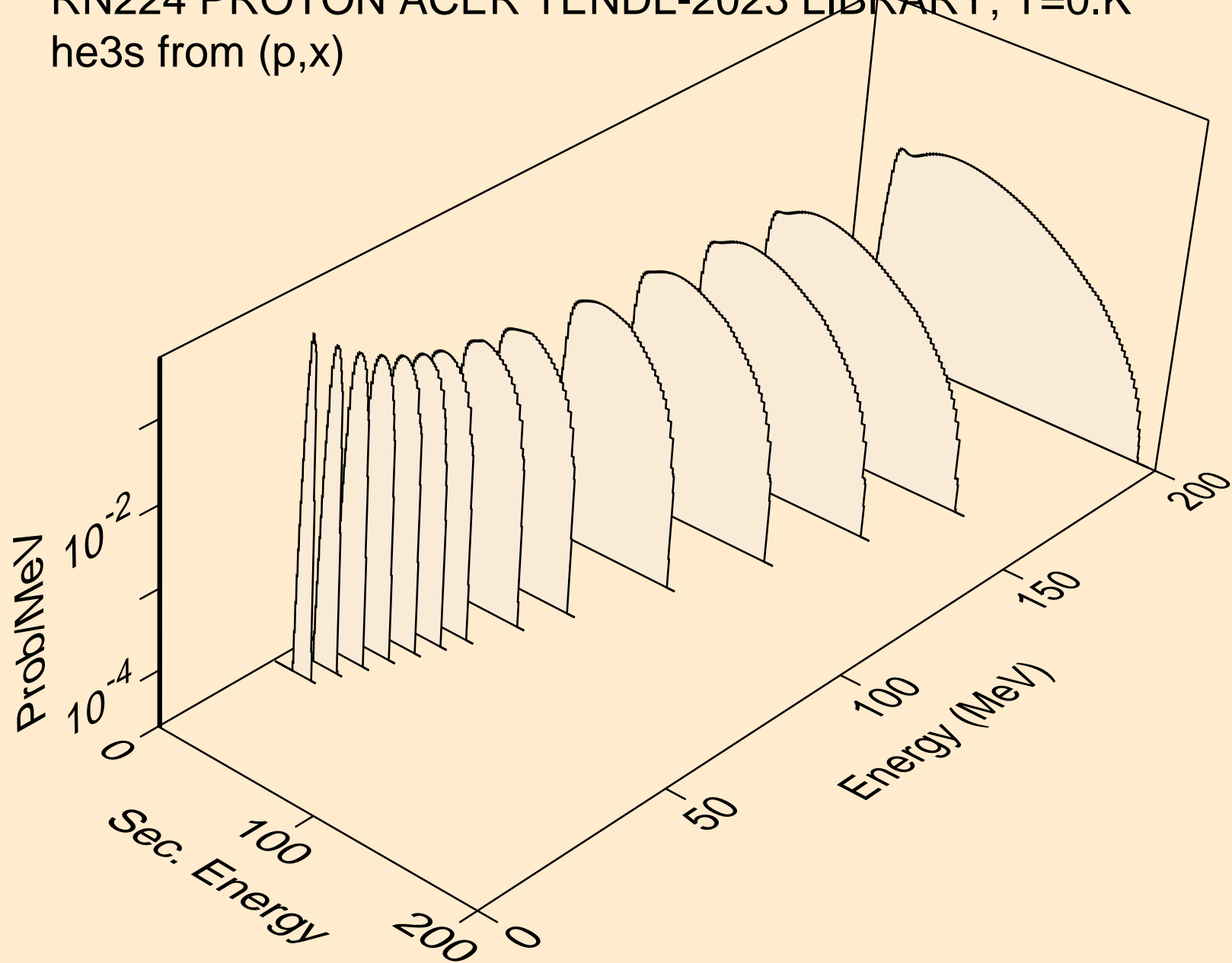
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tritons from (p,n\*)t



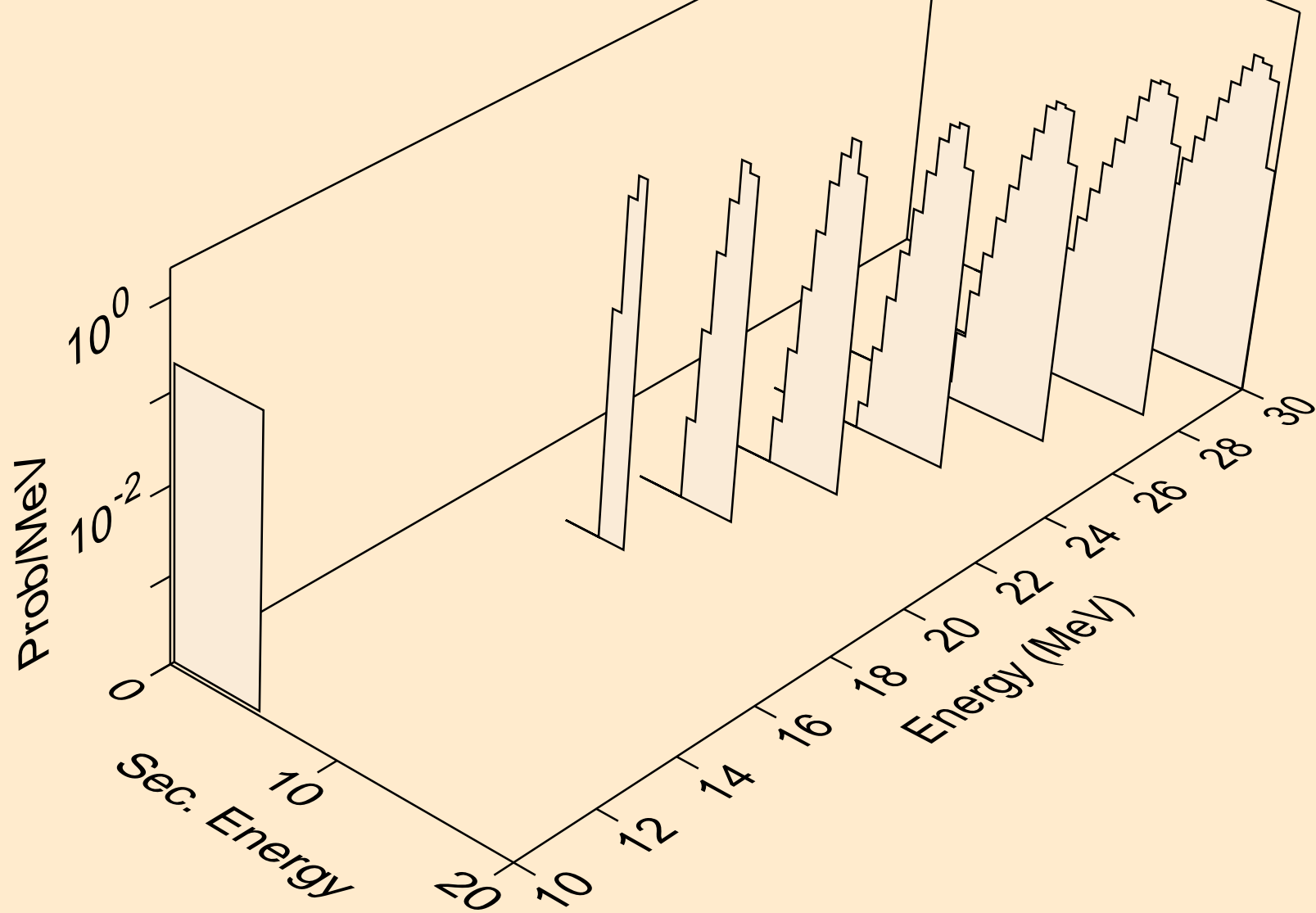
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tritons from (p,t)



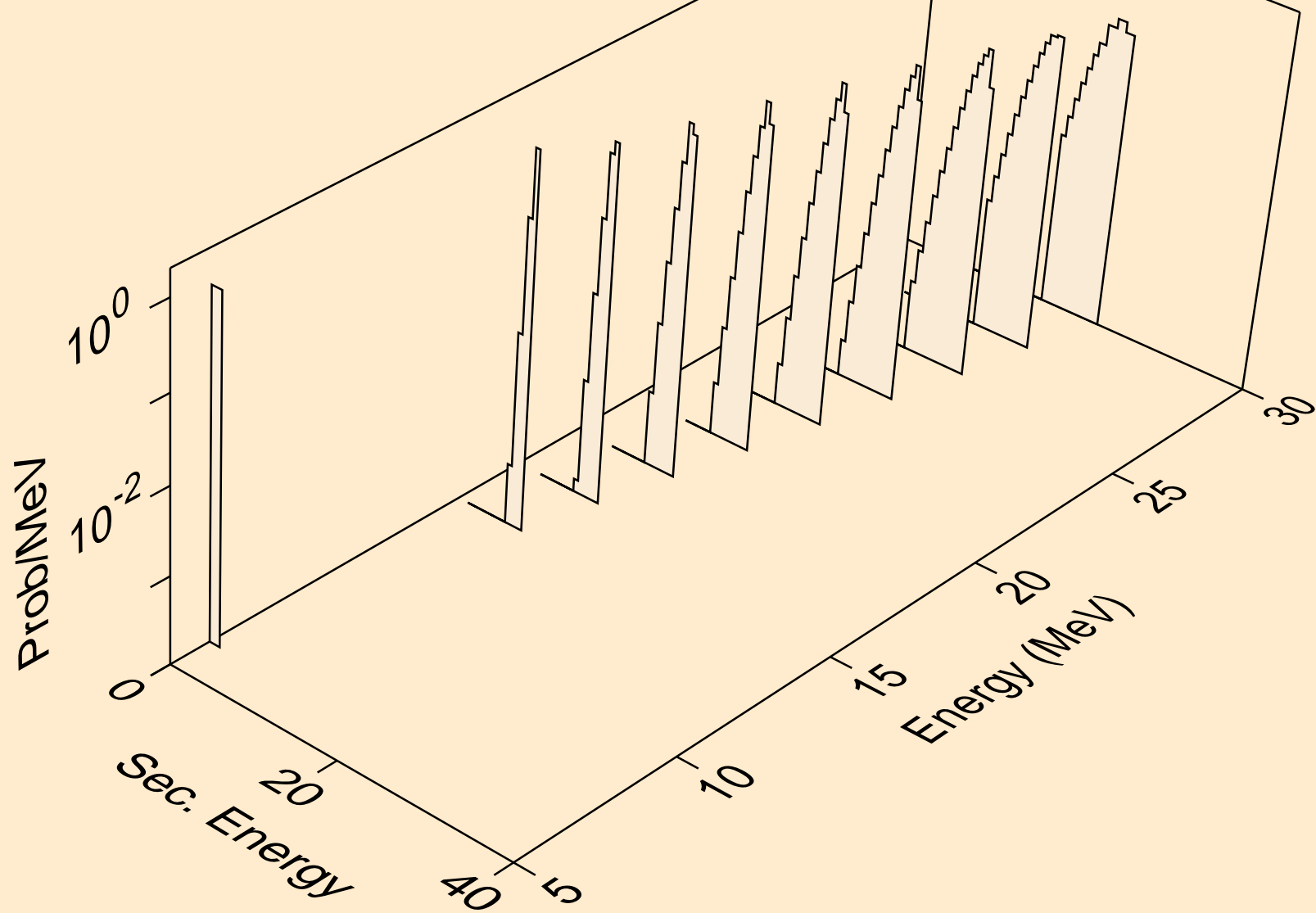
RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,x)



RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,n\*)he3

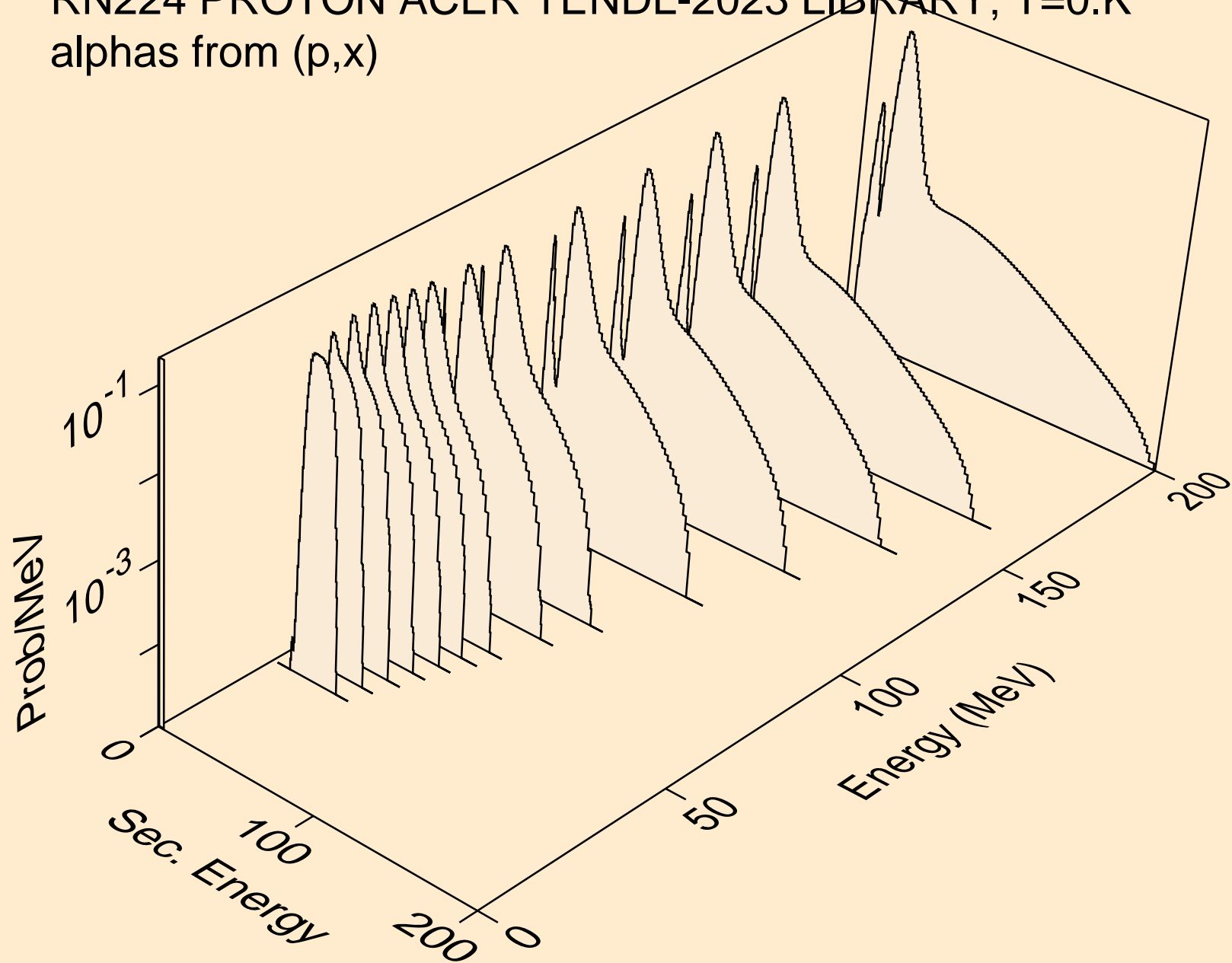


RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (p,he3)

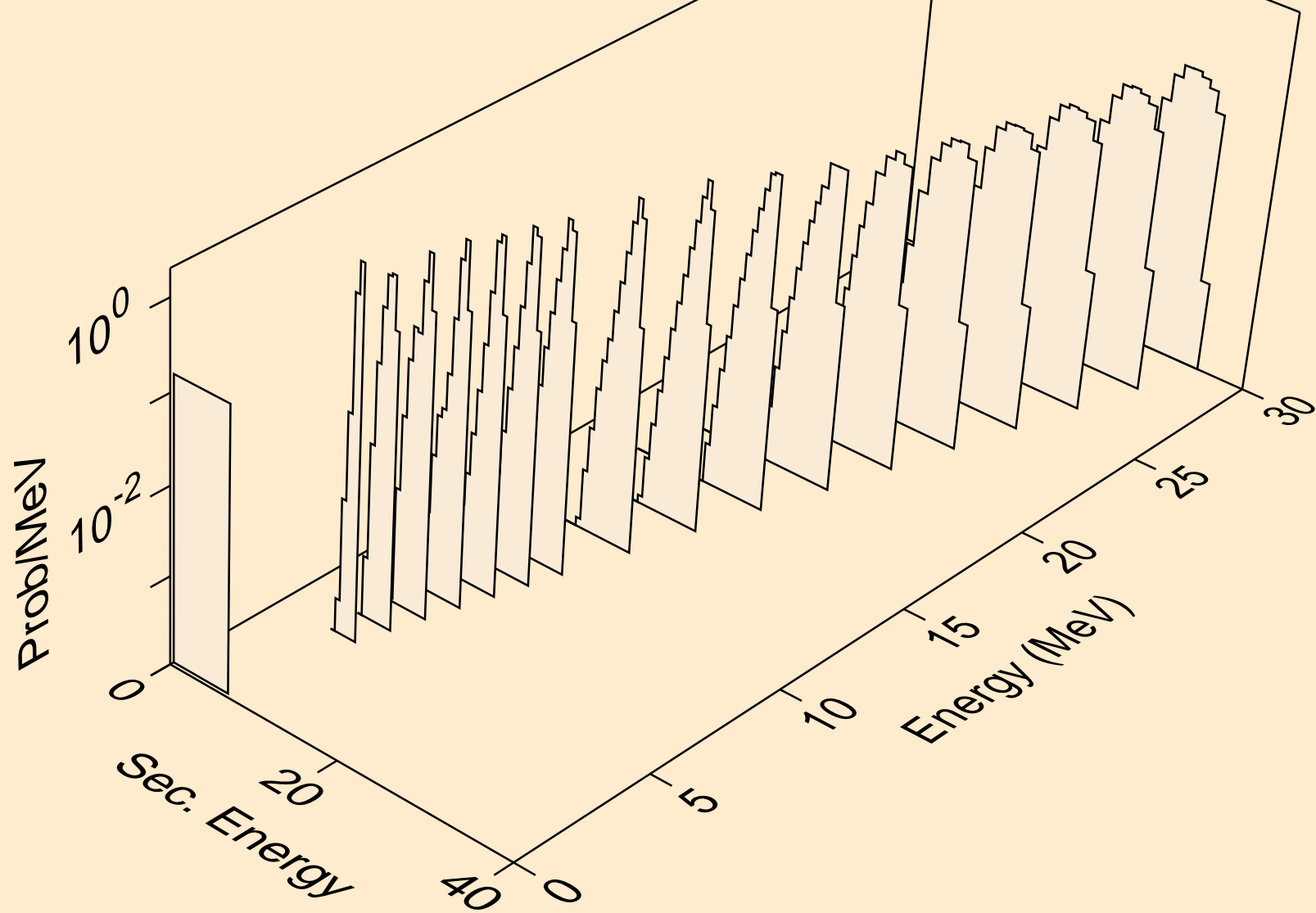




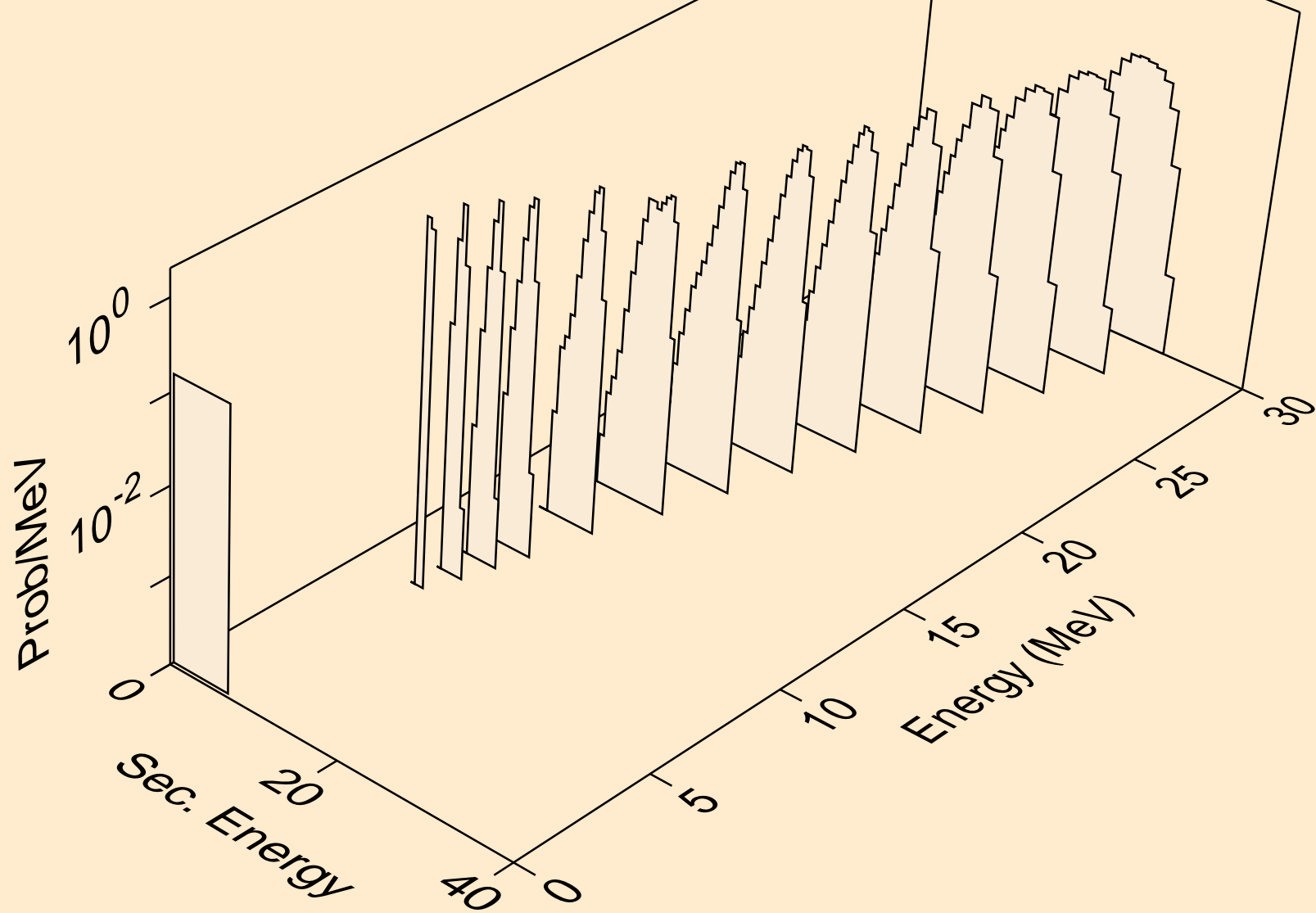
RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,x)



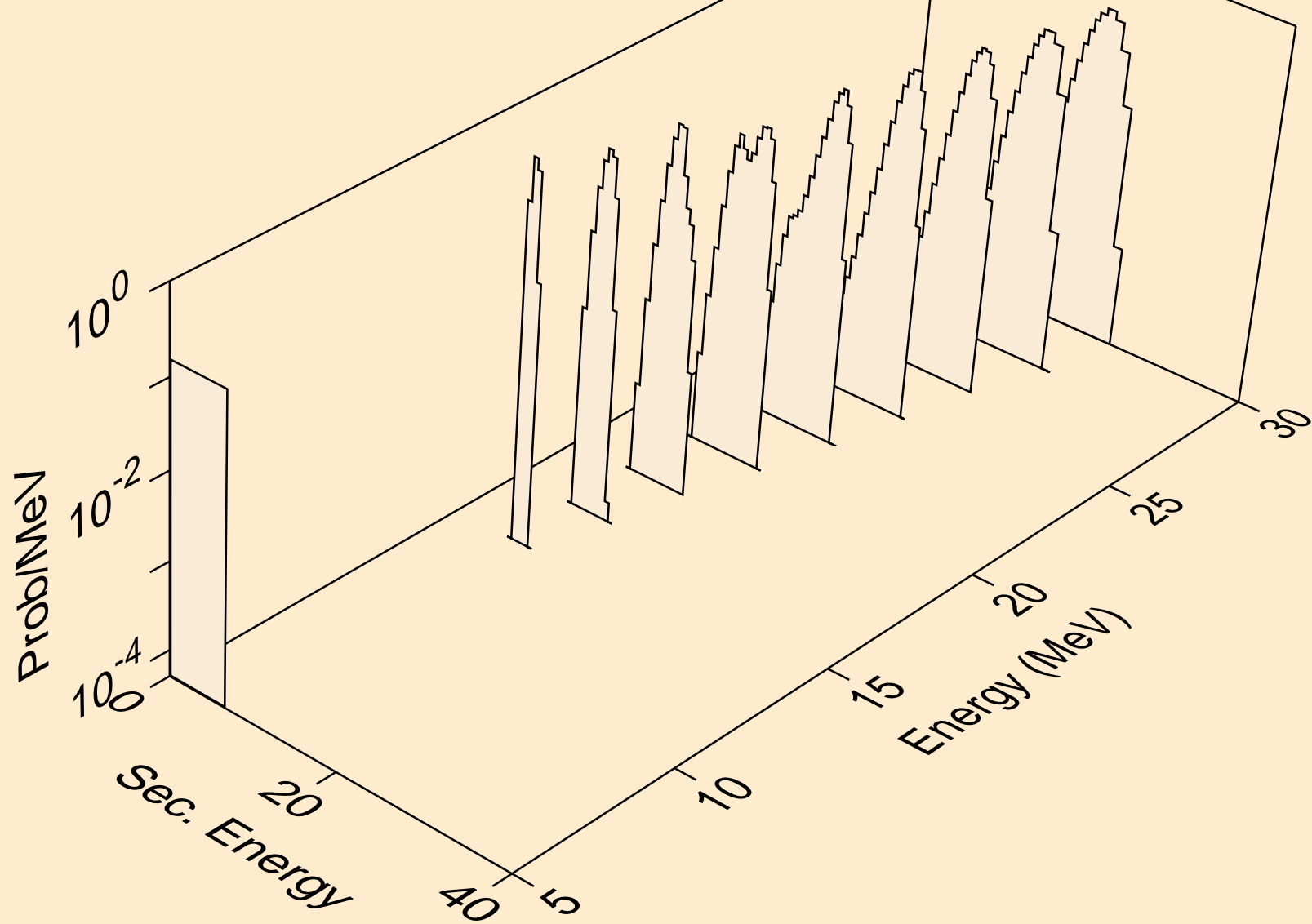
RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)a



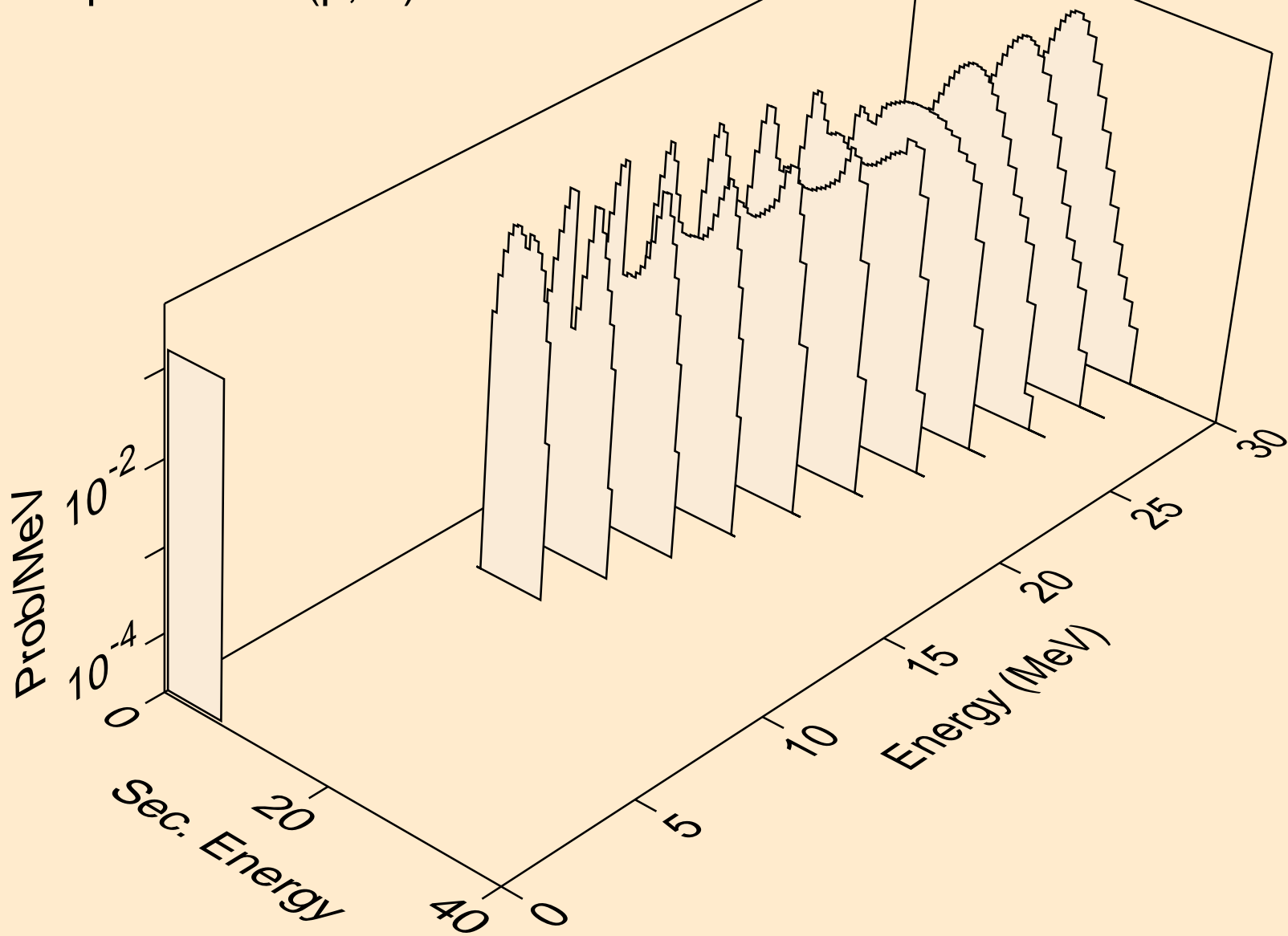
RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)a



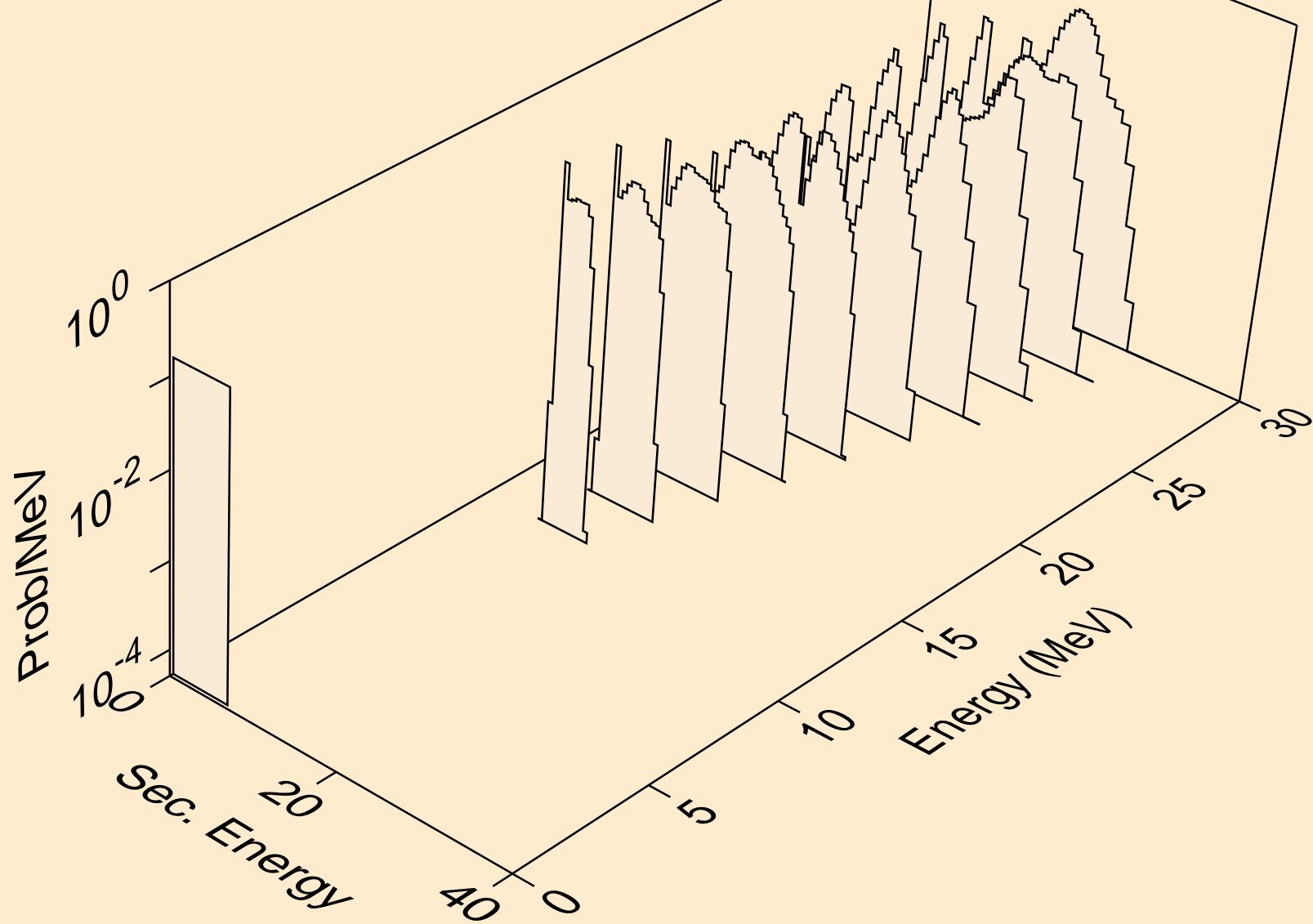
RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,3n)a



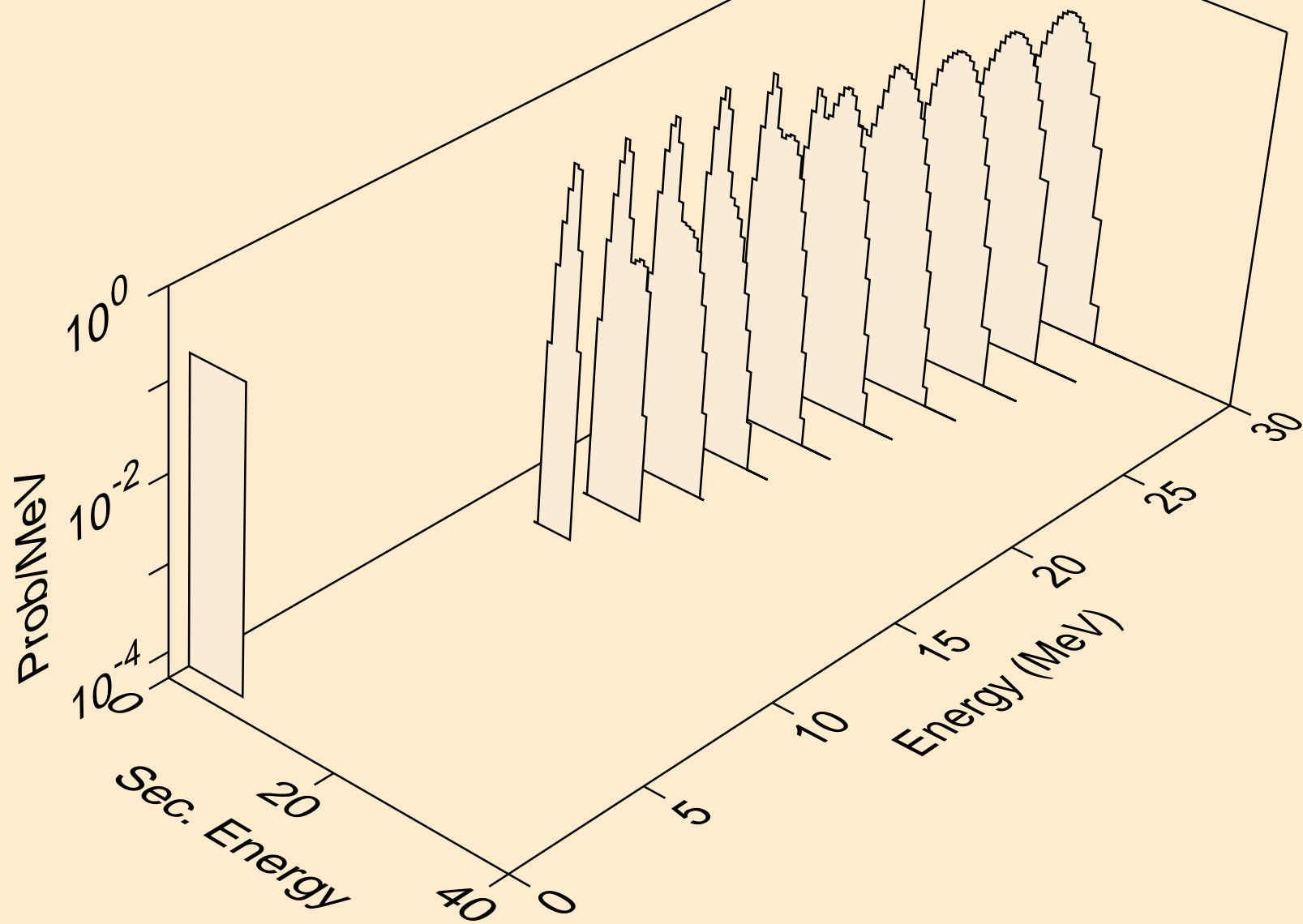
RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,n\*)2a



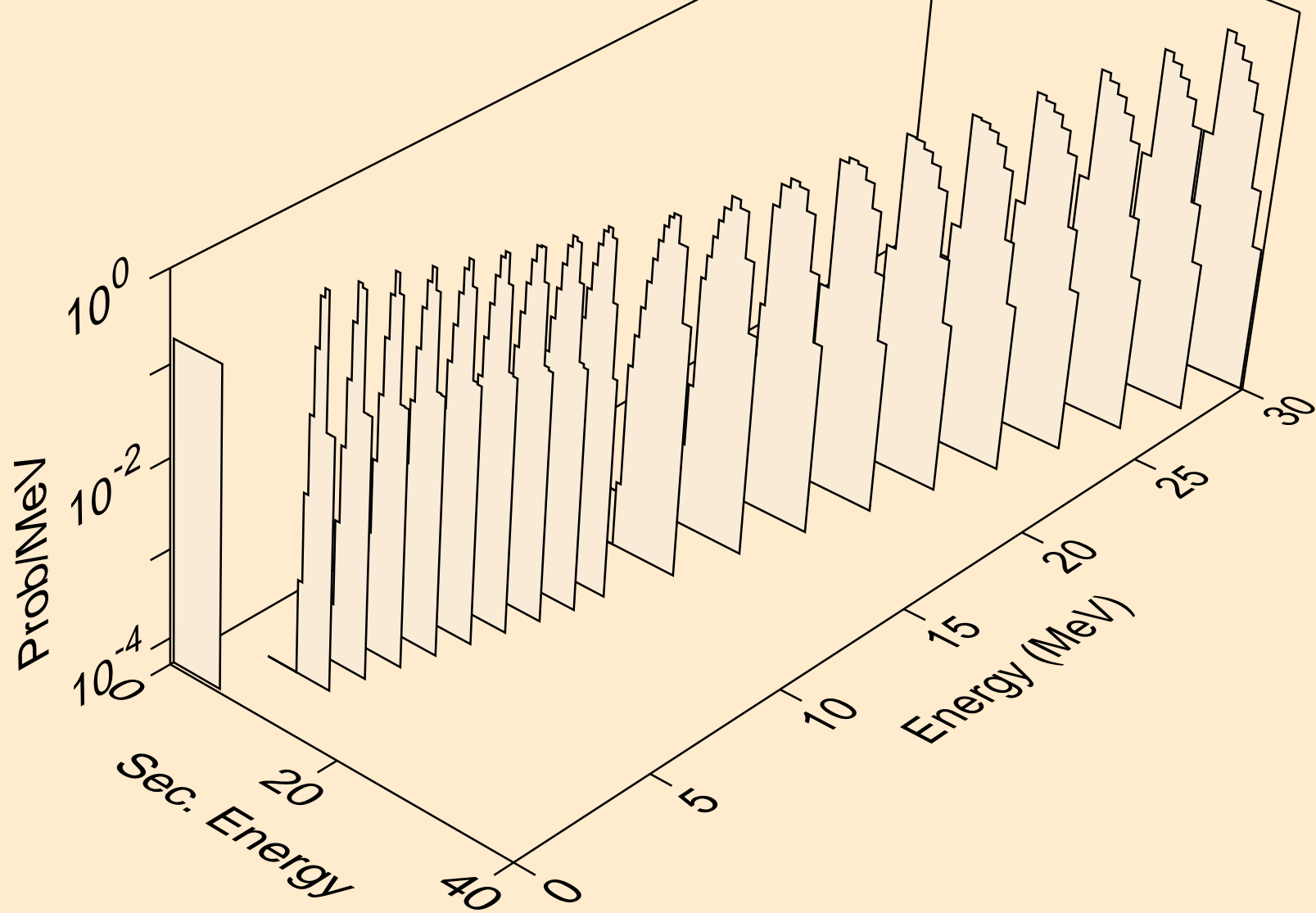
RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2n)2a



RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,npa)

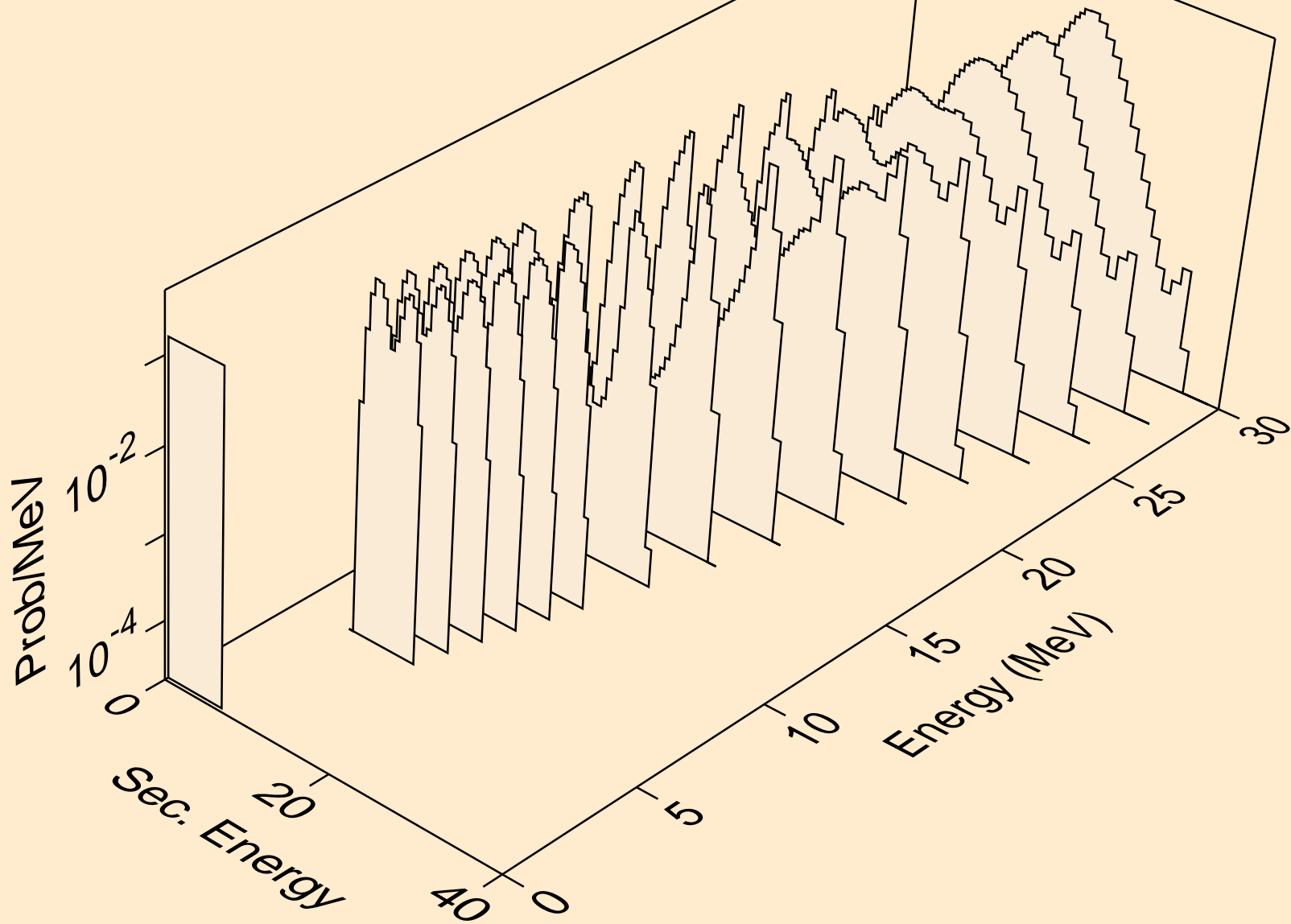


RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,a)





RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,2a)



RN224 PROTON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (p,pa)

