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Subject: Re: No back propagation to IP for V\_0 reconstruction  
Posted by [Stefano Spataro](#) on Thu, 04 Dec 2014 10:07:08 GMT  
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For the invariant mass distribution you need to know the production vertex, then you need to use a vertex fitter.

For the k0 vertex, I suppose you use MC information (right)?. I am not able to understand distance/gamma/beta, just distance could help. But if the counts are the same, in your comparison there should be something wrong, because the plot means that the k0 moved from production point close to the IP (w/ back propagation) towards the external part (w/o), and this is not possible, Are you sure you are taking the distance/gamma/beta from the proper place?