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Subject: Re: vertex fitting

Posted by [StefanoSpataro](#) on Wed, 10 Sep 2014 12:59:22 GMT

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If you have an efficiency high close to the IP and smaller far, then your fit will be biased. Then, in general, one uses simulation to evaluate the efficiency as a function of the position, and after you use this function to correct your experimental data.

The fact that you have a mean life different from the MC tells you that the reconstruction efficiency is not flat as a function of the distance. But I would not be scared by this.

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