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Subject: Re: Vertex Fitter in Fast simulation

Posted by [Malte Albrecht](#) on Tue, 22 Apr 2014 17:41:33 GMT

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Hi Ralf,

thanks for your changes today, now my pulls and  $\chi^2$  / Prob histograms look good. Actually what did the trick, are your changes to the calculation of the jacobian and the covPol, right? Anyway, I did just a quick check, but 4C and mass constraint fits seem to be operational now.

Now one more question: How are staged fits handled? If I want a mass constraint fit (e.g. for an eta) and after that a 4C fit using the already pre-fitted 4vector of my mass-constrained-eta (which would then actually be a 5C-fit, but ok...) ?

From other fitters I just know, that one can add MassConstraints, or FourVector-constraints as many as one likes, but in the end one can still fit everything together with one fitter object. Can I do something similar here, or do I always have to create new RhoCandidates and give them to the next fitter?

Greetings,  
Malte

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