
Subject: Re: First test with fast sim: Ds(2536)+
Posted by [Klaus Götzen](#) on Fri, 04 Apr 2014 05:51:02 GMT
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Hi Elisabetta,

that are fast first results!

I think in general, that the consistency between fast and full sim in terms of absolute numbers is not so important. In your case of selection I'm quite sure that the PID works better in fast sim, so that the 'BestPid' leads to something comparable to 'True PID' in full sim.

However, the question which now comes is: What detectors can be switched off or how worse resolutions and efficiencies for individual detector components are allowed to be without a too strong degradation of your figure of merits. That could be e.g. signal efficiency, signal to noise ratio, but maybe also something completely different.

You could e.g. turn off the barrel EMC, the Forward Spectrometer, the DIRC etc, and look, what your results are compared to the full setup.

Best,
Klaus
