
Subject: Re: Bug in PndFts/SttMvdGemTrackingIdeal ?
Posted by [MartinJGaluska](#) on Thu, 19 Sep 2013 16:42:30 GMT
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Stefano Spataro wrote on Thu, 19 September 2013 17:24

Maybe it would be good also to exclude, in low momentum particles, the tracks bent by the dipole and going forward again, since they create strange artifacts maybe not easy to fit, impossible to reconstruct I believe.

Hello Stefano,

do you mean by that tracks which are bent in the dipole so much that they turn around and fly towards the barrel again (and therefore leave additional hits in the FTS)? If these events cause problems with the fitter, I will remove such tracks at the end of the loop on FTS hits. I plan to check all (MC truth) time-ordered FTS hits associated to a given PndTrackCand and check if the z-component is increasing. If not, I will remove the PndTrackCand.

Tobias Stockmanns wrote on Thu, 19 September 2013 17:37I still wonder why the FairLinks are not used for this purpose. They would allow to solve this problem in a much more elegant way and this task is exactly what they are build for.

Hello Tobias,

I will try to move the implementation of PndFtsTrackerIdeal to FairLinks. Can you recommend a task which I can use as an example? Is it a good idea to start looking at PndTrackingQualityAnalysis?

Kind regards,
Martin
