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Subject: Re: Global Problems

Posted by [StefanoSpataro](#) on Tue, 02 Feb 2010 22:35:41 GMT

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Radek Karabowicz wrote on Tue, 02 February 2010 17:50 Does the ordering parameter have to be the same as in the realistic track finder?

I think it does not have to be the same, but should be rather similar.

The track parameters that would serve best for the purpose are the fLength or fTime members of the FairMCPPoint.h

My proposition is to use the fLength as the ordering parameter in various ideal track finders, as it is the one easier accessible in the realistic track finders.

I think ideal and realistic tracking should use exactly the same criteria, if not it become difficult to disentangle different effects due to secondaries and so on. And the length is not something that in real life can be measured. For these reasons I think the distance from 0,0,0 should be fine.

About the fDetectorType, the current structure is mandatory for the tracking (I think it was originally taken from there) and for the reco hit factories of the kalman task. It is not clear to me which are the problems appearing now with the current code. That enum had to say from which TClonesArray one has to take the detector hits, this is the original meaning of the enum. I think the Tobias' addenda are not harming at all, and they are still following the original idea of TCA/data object.

Therefore, I have completely not understood what should we discuss about...

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