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Subject: genfit: TrackCand available

Posted by [Sebastian Neubert](#) on Tue, 15 May 2007 12:07:08 GMT

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Hi!

genfit now provides a class called TrackCand which just manages a list of hit ids. This is the basic class for pattern recognition.

In the near future this class will get the functionality to be merged with other candidates.

To use this update genfit and recotasks. In the demo the TrackCand idates are already used.

There is still one issue which we have to think about:

at the moment as soon as you put the TrackCand into a Track object the candidate is copied. So data is in principle duplicated which is not nice.

However if we would pass a pointer onto the candidate to the track, we would have to make sure, that the track is notified when somebody changes something in the candidate, since in that case the fits are not valid anymore.

We are thinking about a system that tracks changes to the reco objects and ensures a consistent state at all time.

Cheers! Sebastian.

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