Subject: double tracks in offline Pattern Recognition Posted by Gianluigi Boca on Thu, 18 Sep 2014 14:26:13 GMT

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dear collaborator,

as I said at the last collaboration meeting, I am finalizing the offline pattern recognition.

Presently there is a version of it in svn not complete yet.

Because of that, for every MC truth physical track 2 tracks
are reconstructed by the pattern recognition, essentially one clone of the other.

So please don't be alarmed, I am finishing that piece of code right now and I think that in 1 week or 2
that feature will be eliminated

Gianluigi

Subject: Re: double tracks in offline Pattern Recognition Posted by Gianluigi Boca on Mon, 29 Sep 2014 17:38:30 GMT View Forum Message <> Reply to Message

dear collaborators, please find in svn the new version of

tracking/PndTrkTracking2.cxx tracking/PndTrkTracking2.h trackitracking/PndTrkCTFindTrackInXY2.cxx

Now the problem of the double tracks was eliminated. Please let me know if you have problems

Gianluigi

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Gianluigi

Subject: Re: double tracks in offline Pattern Recognition Posted by StefanoSpataro on Wed, 01 Oct 2014 14:56:57 GMT

Hi all,

I run the new code and compared the results of the standard analysis macro (psi(2S)-> J/psi pi+ pi-), in blue you can see the "old" (february) results and in "red" the new ones. You can see a bit of increase in efficiency, resolution is consistent. I would say that this version of the tracking code can be used by the analysts and can be included in the release. Later I will check cleanup.

File Attachments

1) comp.gif, downloaded 872 times

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