
Subject: Re: plane id in track candidate

Posted by [Tobias Stockmanns](#) on Tue, 23 Feb 2010 09:47:58 GMT

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Dear Christian,

I think the planeId is a good idea to have it in every hit. So this should be part of FairHit/PndHit and not of PndTrackCand.

The problem is how to generate this unique ID. For the MVD we store a string which looks like this: 1_1/202_1/205_4/1024_2/1025_3. This string is an encoding of the full path to a sensor within the geoManager. /[volumeId]_[copyNr]/[next stage in hierarchy]/... . With this information we are able to retrieve the full volume information and the positioning matrix of all our sensors.

If you want to match this information to a unique number you would need two maps: one from stringId to intId and one vis versa.

In addition you need to store this information in the parameter database to ensure that you do not loose the links.

This would mean some work for us but I think could be done.

Cheers,
Tobias
