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Subject: Updates in PndTrack - PndTrackCand  
Posted by [StefanoSpataro](#) on Wed, 13 Oct 2010 17:41:15 GMT  
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Dear all,  
after the EVO session of this morning, we have decided to apply the following scheme to the tracking code:

PndTrackCand will store ONLY hit informations (no momentum anymore)  
PndTrack will store only the track informations (i.e. track parameters at the first and last hit),  
and an index of the corresponding PndTrackCand  
each tracking algorithm will register two separated TClonesArray, one for PndTrack objects,  
the other for PndTrackCand  
the link between PndTrack and PndTrackCand will be done using FairLink code

We have decided to apply the changes in three steps:

Each tracking algorithm will write both PndTrack and PndTrackCand TClonesArray  
The momentum information will be removed from PndTrackCand  
The PndTrackCand object will be removed from PndTrack, leaving only the TCA index

We will proceed step by step, so that we will always be able to use track informations for  
analysis and tests.  
Let's start with step 1.

The people involved should be:

MVD: Tobias/Ralf  
STT: Gianluigi/Lia  
TPC: Felix/Sebastian(?)/Christian(?)  
GEM: Radek  
LHE: Stefano  
STT+MVD: Gianluigi  
Global: Radex

I hope I have forgotten nobody.  
When the first step change (i.e. writing two different TClonesArray made of PndTrack and  
PndTrackCand) will be applied, we could move to the second step.

I would like to ask to developers to write in this forum the "OK" once the change will be done in  
the trunk, so that we could go on. It would be nice to have step 1 ready before next evo  
meeting (3rd november).