Subject: to use the real STT Pattern Recognition
Posted by Gianluigi Boca on Tue, 09 Feb 2010 13:28:36 GMT

hi,
if you want to use the real pattern recognition for the STT, you can use for instance
$VMCWORKDIR/macro/stt/runreco.C

with the following modification.
Instead of the line
   PndSttTrackFinderIdeal* sttTrackFinder = new PndSttTrackFinderIdeal(iVerbose);

replace it with
   PndSttTrackFinderReal* sttTrackFinder = new PndSttTrackFinderReal(iVerbose);

If you do that, you re going to have at your disposal for further analysis tasks and for each
event a TClones array of PndTrackCand each cointaining :

- initial Px of the candidate track at the origin (0,0,0)
- initial Py   "
- initial Pz   "
- Charge/Total Momentum   of the track candidate
- the ORDERED list of hit NUMBERS belonging to the candidate track. Here ordered means
from the hit nearest to the vertex to the further away along the Helix trajectory

Cheers   Gianluigi