Subject: Crash in PndTpcRiemannTrackingTask
Posted by StefanoSpataro on Mon, 04 Jul 2011 18:11:05 GMT

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Submitting TPC macros on the grid, only 20 events for each job, we have seen that almost 50% of the jobs are crashing because of PndTpcRiemannTrackingTask.
In particular, the last message is the following:

PndTpcRiemannTrackingTask::Exec; Event Number: 16
Looping over 58 riemann tracks to write out
RKTrackRep::setPDG particle -22 not known to TDatabasePDG -> abort

This comes from the MonteCarlo particle hypothesis (why is it used inside a pattern recognition task?). Somehow some "photon" tracks are reconstructed, multiplied by some charge and finally -22 is not taken by the particle DB -> crash.

If we run 500 or 1000 events we expect to have a very low success rate.
I would ask to tpc tracking experts to take a look and to fix it as soon as possible, becase this prevents us to run production on the grid.