
Subject: Re: Official code for tracking TDR
Posted by [StefanoSpataro](#) on Tue, 03 May 2011 09:35:26 GMT
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Dear all,
I have put into macro/run/tdrct the full chain that should be run for the signal production for STT.

The list is in README_STT.TXT, and consists in macros in the following order:

BG sim + digi
run_sim_stt_dpm.C
run_digi_stt_dpm.C

SIGNAL sim + digi
run_sim_stt_evt.C
run_digi_stt_evt.C

Mixing and reconstruction:
run_reco_stt_mix.C
run_pid_stt_mix.C

I have used a dummy .dec file and a dummy pbar momentum, you should modify the values as you need.

I would like to ask experts to take a look, to check if I am forgetting something or not.
I would like to have also the task list for TPC, to prepare such kind of macros.

Few comments from my side:

Sim and Digi could be run in the same macro, in order to save disk space and to not store the points. Unfortunately Mvd and Stt digi tasks do not allow this (while emc does), if you run digitization together with simulation you have crashes.

In theory reco and pid could run on the same level, if needed

If you think some data objects could be removed from the file, just tell me. if you think that it would be better to switch off something, i.e. PID detectors, just tell me and we can discuss

I have added also FTS geometry. If requested, Ralf ideal track finder for forward spectrometer could be added, if stable enough

I think for the moment is over, I wait for comments and remarks.