

***** Minutes of the meeting on December 13, 2012 *****

Present: Marian, Chiara, Dariusz, Costin, Raffaele, Ruben, Raphaelle, Mikolaj; in the second part of the meeting, Davide, Massimo, Theodor, Alla joined

- 1) LHC12h/LHC12i reprocessing
 - 1a) test runs: only 3 had QA completed; 1 failed in EV
 - 1a1) TPCAlign component enabled in the AddTaskTPC (since this was taken from the trunk), but giving problems at merging (accessing OCDB)
 - 1a1a) TPCAlign component explicitly excluded from the merging, run resubmitted
 - 1b) TRD requires only kITSrefit, without any specification about which layers of the ITS should have given signal
 - 1b1) In order to better treat the pile-up, SPD should be required
 - 1b2) TRD experts will evaluate the effect of such requirement; for the time being, the result of the test (without any specific requirement on SPD) will be checked, and if ok we'll continue like this
 - 1c) First feedback provided in time for the PB (adding it to the minutes for completeness, even though it was not discussed at the meeting): the kITSrefit requirement seems to solve the TRD issue
 - 1c1) Dariusz will present this at the PB, we'll see what the outcome is
- 2) Merge-by-Component
 - 2a) Costin's test last week was successful; now it would be interesting to try on the "golden" pA run of September 13, 2012, with v5-03-Rev-02 (already on the grid)
 - 2a1) Chiara and Costin will try next week
- 3) pA running conditions:
 - 3a) MB-like data taking: a downscaling of the number of the events will be done at reconstruction level using the formula:
$$\min(\max(\text{nevents}/10, 30000), \text{nevents})/\text{nevents}$$
which means: all the events will be reconstructed, if their number is < 30000; otherwise, if nevents > 300000, 10% of the full sample will be used; if nevents is in between, a "smooth" function of the number of the events will be taken
 - 3a1) For SDD it may be that the number of events won't be enough to calibrate; this is true in case a fill consists in only 1 run, not long enough
 - 3a1a) Discussed the possibility to start CPass0 only at the end of a fill (is it possible? To be asked to Costin). Probably the easiest will be to start as usual, and monitor the data taking, since now, a priori, it is difficult to judge
 - 3b) during the rest of the data taking, 30 Hz MB will be asked for calibration
 - 3b1) Chiara will communicate this number to Evgeny and Ken
- 4) Wiping of CPass0/CPass1/QA output
 - 4a) to be done after the QA that follows PPass
 - 4b) to involve only chunk-level files --> run-level files to be kept
 - 4c) only SDD may be concerned, and only for LHC12c, for which the AODtpITS.root files are needed to be kept.
 - 4d) Since it is not possible to keep only one file (but the whole root_archive.zip would then have to stay) the wiping is possible only when there is nothing needed from it.
- 5) Requirement to have a common space (on the grid) to save merged files over runs
 - 5a) could be needed by SDD in case we decide to implement an automatic merging per run for it
 - 5b) could be used by TPC for the filtered ESD trees (produced during the filtering)
- 6) Automatic merging of SDD trees
 - 6a) Could it be done automatically?
 - 6a1) as a separate allroot session in the merging + OCDB job
 - 6a2) as a separate job
 - 6b) to be rediscussed next Thursday with Offline, but (IMHO) difficult to have it tested before pA