***** Minutes of the meeting on December 20, 2012 *****

Present: Marian, Latchezar, Chiara, Dariusz, Costin, Raffaele, Ruben, Raphaelle, Mikolaj; in the second part of the meeting, Davide, Alla, Marie, Cynthia, Ken joined

1) LHC12h reprocessing
    1a) Runs at not yet 90% of reconstruction will be pushed manually to merging (both CPass0 + CPass1)
    1b) Runs in EV in CPass0: to try to solve the issue (not reproducible with gdb, while a valgrind session is still ongoing), the mergeByComponent will be used; on top, we'll switch to v5-03-Rev-02, where there is in place a further protection for TPC calibration (to note that the mergeByComponent with v5-03-Rev-03 was already tested on two runs of LHC12i, namely 193758, 193760)
        1b1) AddTaskTPC/TRD still taken from the trunk, since the new ones are not in v5-02-Rev-02
        1b2) executable taken from the trunk, but should be the same as in v5-03-Rev-02
        1b3) mergeByComponent macro from v5-03-Rev-02 directly
        1b4) all the detectors participating in CPass0 agreed to switch to the new revision
        1b5) If the runs that are now in EV will succeed, the switch to mergeByComponent + v5-03-Rev-02 will be done also for CPass1 merge+OCDB

2) LHC12i reprocessing
    2a) not yet started, needs v5-03-Rev-03 due to some runs taken with a new TRD configuration not "readable" by previous versions
    2b) should include run 193758, which is a "new" run taken during the weekend, which was processed by mistake (TRD needs v5-03-Rev-03, see 2a))
        2b1) Davide asked to have the MeanVertex object produced at CPass0 masked http://savannah.cern.ch/bugs/?99572

3) LHC12i processing
    3a) runs taken over the weekend (but those masked for TRD) processed with mergebyComponent and v5-03-Rev-02 --> ok

4) pA
    4a) MB-like data taking (1kHZ MB (Ken, correct me if I am wrong), + rare "tag-triggers")

        a- for Barrel detectors (updating OCDB): downscaling at reconstruction level according to:

        min(max(nevents/10,30000),nevents)/nevents

        meaning:
        - if n.events <= 30000 --> reconstruct all
        - if n.events >= 300000 --> reconstruct 10%
        - in between, reconstruct 30000 (whatever fraction of the total n.events this corresponds to)
        In this case, no kCalibBarrel should be present (or the downscaling won't be used).

        b- for outer detectors, MUON+Calo fast reconstruction should be used for QA

    4b) standard data taking

        a- for Barrel detectors, use high-multiplicity trigger for kCalibBarrel; the details for this are still to be defined by the trigger experts

        b- for Outer detectors, use MUON/EMCAL/PHOS triggers for kCalibOuter; any change in rate wrt current data taking will result in longer reconstruction times.

5) Wiping of LHC12a, b, c chunk-level (only!) calibration files
    5a) everybody ready
    5b) QA people should also check...

6) LHC12h reprocessing feedback
    6a) So far, for all detectors (TOF, TRD, TPC, T0, MeanVertex, SDD) the results look ok, and no new manual calibration is foreseen
        6a1) The VPass can start as soon as CPass1 is completed (over Chistmas)

7) Next Meeting on Monday 7 January at 2 pm (https://indico.cern.ch/conferenceDisplay.py?confId=223560), more details asap
    7a) preparation for pA, especially in view of the meeting on January 9 (https://indico.cern.ch/conferenceDisplay.py?confId=223209)

8) TPC calibration for pA will probably be not good enough; the data will be first calibrated as now, then they will be analyzed by TPC experts, and in case needed, new calibration passes will be asked for. This could imply new procedures, but now no predictions (in terms of time also) can be done. According to Marian, for example, the pT resolution at high pT (~10 GeV/c) won't be sufficient for analysis like RpA without a better calibration.

9) v5-03-Rev-03 is (hopefully) the golden revision for pA running: it will be tested on LHC12i, and if everything is ok, only in case of very-urgent problems the possibility of a new revision will be considered.