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# CALIBRATION STATUS

# LHC12h reprocessing – CPass0

- Ongoing
- Remarks: CPass0 reconstruction
  - “10% selection” active for 191159, 189395 189470, no kCalibBarrel
  - 192729, 192551, 192548, 192510, 192177, 192347, 192201, 192246 not at 90%
    - “TRD” error, ESD tags (calling AliQA)
  - Many being processed
- Remarks: CPass0 merging
  - 189406, 190898, 189610 in EV with bad\_alloc (see next) or EE
  - 189246: 0 events reconstructed, even if at 98.5% of success – happened also at the first processing

# LHC12h reprocessing – CPass1

- Remarks: CPass1 reconstruction
  - 190215, 192731, 190421, 192174, 192499, 192342 not at 90%
    - “TRD” error
    - runCalibTrain error (192731)
    - [recOuter](#) error (190421), see [savannah](#)
    - Sometimes logs not available, under investigation
  - 191159 at ~50%, “10% selection” active
- Remarks: CPass1 merging
  - 189350, 190386 in EV

# EV merging

- Idea that the problem was in a “TPCLaser” component not correct
  - Disabling it did not help since no such component is there
- All new TPC modules disabled
- TRD only changed kITSrefit (added to the track selection)
- What is left?
  - TPC new selection? Too many events?

- During standard data taking:
  - Using high-multiplicity trigger
    - Still to be set by Trigger experts
- During MB-like data taking:
  - Downscaling at recon level, according to:
    - $\min(\max(\text{nevents}/10, 30000), \text{nevents})/\text{nevents}$ 
      - If events  $\leq 30000 \rightarrow$  reconstruct all
      - If events  $\geq 300000 \rightarrow$  reconstruct 10%
      - In between, 30000
    - No kCalibBarrel defined
    - Either:
      1. kCalibOuter,
      2. or a different downscale (factor 10 more in min number of events: 30000  $\rightarrow$  300000)

$\rightarrow$  To be checked with Costin!!!

# Open actions/points

- LHC12i processing of runs taken over the weekend
  - TRD needs new AliRoot revision, v5-03-Rev-03
    - But one run went through
      - Needs reprocessing...
- LHC12i reprocessing of data taken before last weekend
  - Waiting for LHC12h to be completed
- MeanVertex: new code committed to allow reprocessing
  - Will be in the next analysis tag, to be tested on the grid
- MergeByComponent
  - Tests done on two runs of LHC12i: 193760, 193758 with v5-03-Rev-02 → ok
    - AddTaskTPC/TRD from trunk
    - Executable from previous test (trunk)
    - Macro from v5-03-Rev-02
    - No more “TRDtrackV1” error
- Revision
  - Swapping to v5-03-Rev-03 as soon as LHC12h processing is over
- HMPID fix
  - Will be in in v5-03-Rev-03
- HLT fix
  - Already in in v5-03-Rev-02

# Wiping

- LHC12a, b, c – chunk-level files, root\_archive.zip
  - TOF → yes
  - TPC → yes
  - TRD →
  - MeanVertex → yes
  - T0 → yes
  - SDD → yes
  - QA → ?

# LHC12h reprocessing – feedback so far

- TOF → ok, no manual calib needed so far
  - TPC → ok, no manual calib needed so far
  - TRD → looks better in terms of OCDB, needs QA (not yet ready)
  - SDD → ok, no manual calib needed so far
  - MeanVertex → ok, no manual calib needed so far (would need a bit of time after CPass0 ends to check the last runs)
  - T0 → ok, no manual calib needed so far
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- Manual calibration? We have to wait a bit to say something



**Merry Christmas!**

