



# Online SW & Calibration

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- Online SW
- Calibration



# Online Software

## • New COOL database

- For run 1 we used the COOL database instance COMP200
- For run 2 the DB admins have just created a new CONDBR2
- Write access to COMP200 from point 1 is now blocked
  - Online calibrations write run conditions (eg which type of calibration)
  - Now using CONDBR2 for that (just an OKS change)
    - Need to fix hard coded COMP200 in a few other places
- At point 1, all other COOL calibration data, run params etc are still in a local sqlite file

## • Miscellaneous

- Markus has been testing cmxSim-topoSim link
  - Some problems with CMX output links -> crashes
- Testing use of 64 bit code on pc-l1c-mon machines



# M5 Preparation

## •Plenty to do!

- New TDAQ release tdaq-05-04-00
  - Few changes, already used for CERN nightly build
  - But need to install at point 1, update OKS database, etc
    - Wait for LAr and Tile to do the same
- Move to new CPM software - when?
  - Depends on timescale for installing more CMXes at point 1
- Hope to get ROD firmware for CMX - and test it
- Not all features of Jet/Energy CMXes were tested in M4
- Still some issues in PPM scans and results plotting
  - Not yet tried "PHOS4" scans
- And what about L1Topo??



# Calibration Problems

- TDAQ problems with combined calibrations
  - Still crashes of TTC2LAN, HLTSV, ROSes (sometimes)
    - Experts away or busy? (Fortunately we have workarounds)
    - NB some other TDAQ problems have been fixed quickly
      - Thanks to Wainer Vandelli, Andrea Negri and others
  - LAr and Tile calibrations
    - LAr: running online, but usually problems with one event (first one?)
    - Tile: first event always corrupted, some timeouts on other events
      - Move to new CONDBR2 not yet working in Tile (new patch to be tested)
    - Still no control of receivers (USB problems): some have zero gain
- Still have problems analysing these runs on the CAF
  - Issues with new Athena, access to databases, etc?
    - And still have to move offline to use CONDBR2 for run conditions
  - CAF will need to use copy of point 1 sqlite file for other data
  - Meanwhile LAr and Tile will soon start losing access...