Arnd Meyer
Aug 17, 2000

DAQ / Integration

- Aces are now running a significant part of the integration. Should have about one person guaranteed to be there every integration day. Still have no documentation
- Most consumers and data validation tools are still linked against "development". Need to use frozen release everywhere
- Some progress in integration of TDC crates
  - Thanks to efforts of COT group, there have been days where we could include 4 full crates, and a few more empty ones
  - Still, TDCs are the most frequent reason for failures in long runs. Usually, Halt–Recover–Run helps
- Used to have problems with the Halt–Recover–Run sequence when reading out through the Event Builder
  - Works now after changes in Trigger Manager
- Ran yesterday with a total of 15 Level 3 subfarms for an extended period of time (same run should also have CMP hits ...)
- Log files for each run generated by the error logger are very useful. Can e.g. track down which crates/boards reported wrong bunch counters
- Couldn’t include Silicon for a while, due to problems with 396ns clock

Arnd Meyer
Aug 17, 2000

DAQ / Integration

- There was a problem with Dirac and DCAS boards getting out of synch occasionally. The problem disappeared after switching to 396ns clock – should probably change to old clock configuration to study this
- Regrouping of trigger timing finished today. Timing of the L1 pipelines is now final for the commissioning run
- LED/XEF calibrations are now part of daily running. CLC will also join in
- Fetching data from the trigger DB is slow, causing frequent timeouts when reading out all trigger crates
- Some current crate/infrastructure problems:
  - b0l1cl00 slows down data taking to a few Hz due to BUSY
  - Bunch counter mismatch in b0l2cl01
  - Missed triggers / DONE timeouts on b0mutr00
  - b0pcal11: reformatter errors
  - Infrequent reformatter errors from some muon crates
  - Frequent changes in CLC crate configuration
  - ...
  - unannounced shutdown of crates
  - logging out the person running integration