CTT Data Quality

• Run-by-run monitoring by CFT shifter
• Tools:
  – Online system diagnostics (ctt_mon etc.)
  – A/O term rates
  – CTT Examine (online comparison to trigsim)
• CTT expert on call updates database weekly (in theory)
  – Global judgment (‘good’, ‘reasonable’, ‘bad’) + sub-detector specifics based on elog (+ presence in control room)
  – Need to integrate offline ctt_analyze as/when it becomes available; will be in reco_cert
CTT Data Quality: Global Flags

- ‘good’: no problems we are aware of
- ‘reasonable’ unfortunately now has two meanings:
  - old: ok for analysis; do not use for CTT trigger studies due to crate x13 problems
  - New: localized problems (e.g. AFE board misprogrammed Dec. 2003 – April 2004)
- Try to differentiate by adding fixed keywords
- ‘bad’: don’t use this run if you need CTT
CTT data quality: additional keywords

- **default** (this keyword is entered when a whole run range is updated at once. It should be overwritten when run specific information is entered.)
- **afe_personality_bad**
  - comment               global physics run date
  - last good run before  186155       Dec 5, 2003
  - first run affected    187168       Dec 17, 2003
  - last run affected     191735       April 11, 2004
  - first good run after fix 191880      April 13, 2004
- **x13_bad**
- **cps_calib** (for runs with a fixed CPS threshold, to be used for calibration)
- **afe_missing**
- **TSxx_bad** (if we can identify which sector is bad. For example TS67_bad TS68_bad TS69_bad)
• Data and distributions available for all runs up to April 2004

Available via CT

Runs up to April 2004

Curves available for all phi/eta/pt, turn-on efficiency vs.

Data and distributions

CTT-analyze

w/ groups/ctt/offline/ctt-offline

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offline page