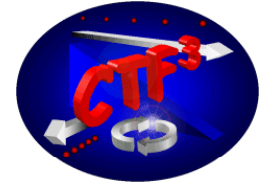




Status of CLEX acquisition



Current Crate problems:

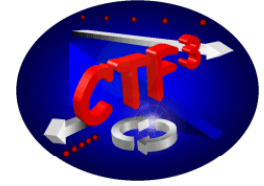
- transmission/network problem not yet understood for MARS crate.
To be investigated during next shutdown.
- Crash of processes: still some problems.
Discussion tomorrow with operation to identify the problem.
- Jitter problem solved by a trigger implemented in soft ?
- Systematic background noise: to be compensated by soft.

TBL installation: next shutdown:

- 15 DFE boards distributed in 4 new crates with 4 timing distribution boards.
All components and hardware produced/ordered.
Cables and crates positions yet foreseen.
- Good cooperation with Spanish teams on full read-out chain tests.
Cabling between electronics to be defined.



R&D activities



New digital acquisition board:

A first architecture yet defined: discussion needed to fix final specifications so to fix last components.

The target is to reduce the cables in a clic-like configuration: we aspire to reduce the transmissions (data, clock, timing...) between acquisition and collection hardware to one single optic fiber. Should be a good solution for reliability and cost.

Other developments:

Definition of last components will give power supplies consumptions.

Consumptions and radiation estimation will fix specifications to begin a study on local power supplies and calibration generator.

Still some points to be discussed: 220V line dedicated in the accelerator...