ALTRO DAQ Computing

Klaus Dehmelt

WP Meeting # 75

Jan. 22 - 2009

Data Taking Chain

- DAQ PC from LUND → specific HW for ALTRO
- DAQ processing PC (regular) w/
  - ILCSOFT
  - EUDAQ Data Collector
  - MarlinTPC
  - GRID SW
- GRID disk/tape

Available

Requirements

- Common DAQ?
  - Worst case scenario: run ALTRO readout in standalone mode

- Data format and storage
  - Data Collector → LCIO
  - Run Control
  - EUDAQ producer for all subsystems (LP, cosmic trigger by now)

- Producer for
  - ALTRO → Martin
  - TimePix → Uwe

- Event display → 2-d display, LCIO event to be read in, data collection with GEAR ...

Requirements

- Data format
  - LCIO
  - Transfer to GRID

- Configuration/pedestal files
  - LCCD, currently under development with SCS

- Monitoring
  - Event display → Need to discuss