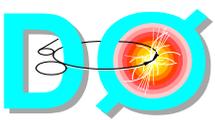


DO Progress During January Shutdown

- DO is progressing on schedule with all major shutdown jobs
 - ◆ We plan to be ready for search and secure by 4pm this Thursday
- We will go over all major sub-systems with brief description of major jobs which have been accomplished during January shutdown
- Silicon detector
 - ◆ Kept cool during shutdown
 - ◆ Major work concentrated on electronics repairs/upgrades on
 - ▲ Adaptor cards
 - ▲ Interface boards
 - ▲ Sequencers
 - ◆ Number of operating channels
 - ▲ Before January shutdown ~88%
 - ▲ After repairs ~92% (within errors the same number as after November 2001 shutdown)
 - ◆ Silicon accumulated dose
 - ▲ Based on estimates from BLMs and "fingers"
 - ~70krads (+-20%) for ~150pb⁻¹ delivered
 - ~5% of the estimated maximum dose
 - ▲ In process of analyzing TLD data for December 2001-December 2002 period
 - ▲ Device for easy removal of TLDs from SMT area has been installed



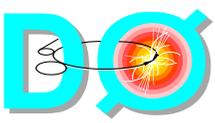


DO Detectors

- Fiber Tracker and preshowers
 - ◆ Upgrades of the LED calibration system
 - ◆ Warm up of the VLPC He cryostat - minor repairs
 - ◆ Upgrades/modifications to L1 trigger and DAQ electronics



- Calorimeter
 - ◆ Modifications to all BLS boards in order to reduce Level 1 calorimeter trigger noise by ~ factor of two
 - ◆ Replacement of cooling fans in all preamplifier assemblies
 - ▲ failure of such fan caused ~ 1 day shutdown last year
 - ◆ Installation of electronics for full eta Level 1 calorimeter coverage

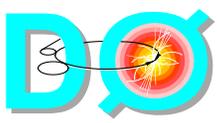


DO Detectors

- Muon system
 - ◆ Repairs of mini-drift tubes broken wires
 - ▲ 2 wires out of ~50,000 over ~2 years
 - ◆ Replacement of failed bases/phototubes in trigger detectors
 - ◆ Upgrade of PDT control boards
- Luminosity system
 - ◆ Purge line in the PMT region
- FPD
 - ◆ Commissioning of AFE based electronics
 - ◆ Repairs to one of the Roman pots
- Survey
 - ◆ All survey jobs have been accomplished on schedule
- Level 2 trigger
 - ◆ Non-lockstep mode operation will provide DO Level 1 trigger rates capability in the 2-3kHz region
 - ◆ New updated muon algorithms
- On-line
 - ◆ Multiple software upgrades



Forward trigger counters
inner plane



Summary

- D0 experiment is progressing well with finishing January shutdown safely, with all major jobs accomplished
- Our plan for the last shutdown week
 - ◆ Tuesday 01/28 - close North End Calorimeter
 - ◆ Wednesday 01/29 - finish survey of the calorimeters
 - ◆ Thursday 01/30 - close detector and be ready for S&S by ~4pm
- Tests and calibrations of all sub-systems will continue until early next week
 - ◆ In depth testing of detectors/trigger/DAQ systems with cosmic data taking before Tevatron startup
- D0 will benefit from the hall access schedule after 01/30 but before 02/05 been established
- In process of finalizing physics analysis results for Winter Conferences
 - ◆ Reports from D0 at Joint Experimental-Theoretical physics seminars early March