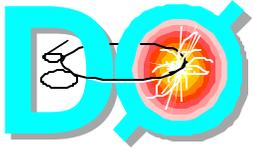


DO Status: 01/28-02/03

- ⌘ Integrated luminosity
 - ⌘ delivered luminosity
 - 1.8pb⁻¹
 - luminosity to tape: 1pb⁻¹
 - ⌘ major sources of down time/inefficiency
 - hardware issues (HV trips, etc.): 10-20%
 - DAQ system efficiency and reliability: ~20%
- ⌘ Data collection
 - ⌘ global data collections most of the time
 - considerable improvements during last week
 - luminosity utilization efficiency is at least twice higher, then before
 - ⌘ about 10% of time is devoted to detectors commissioning
 - special runs for silicon timing
- ⌘ On February 1st finished collection of data sample for Moriond
 - ⌘ large data samples of
 - jets
 - electrons
 - single and di-muon events
- ⌘ Beam position is stable in the detector center



DO Status

? Luminosity detector

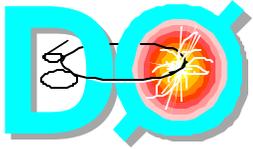
- ✍ stable running
- ✍ no changes in luminosity constants for last two months

? Silicon detector

- ✍ DO silicon rad. protection aborted shot setup Friday evening
 - ✍ peak dose rate was ~12rad/s
 - ✍ integrated dose was below 20rads
 - ✍ only downstream side affected
 - ✍ Saturday store had peak losses below 3rad/s
 - ✍ on Sunday rad. Protection alarm sounded (1/2 of abort rate)
- ✍ lost 2 power supplies in the "cathedral" area: ~20% of acceptance
 - ✍ require ~4 shifts shutdown to open the detector and replace LVPS, considering option to modify all LVPS (two 2 shifts accesses)
 - ✍ ready to perform repairs on short notice
 - ✍ would like to fix this problem on "a few" weeks time scale

? Fiber tracker

- ✍ 115 AFEs boards are operating in the hall
 - ✍ all axial layers
 - ✍ one fully (all axial and stereo layers) equipped sector
 - ✍ all axial central preshower layers are equipped
 - ✍ AFE boards mass testing is progressing
- ✍ VLPC temperature control issue
 - ✍ on large number of AFE boards VLPC heaters circuit is not functioning properly
 - ✍ fix is developed and tested on large number of boards
 - ✍ plan to modify/re-test all installed AFEs over next 3-4 weeks
- ✍ in process of commissioning



DO Status

? Calorimeter

- ⌘ running smoothly
- ⌘ have to replace 1-2 LVPS every week, but reasonably fast procedure

? Muon system

- ⌘ all central muon chambers are working
- ⌘ optimization of trigger gates width/timing finished
- ⌘ TOs for direct muons are measured and downloaded into front-ends - off-line results are encouraging

? FPD detector

- ⌘ insertion of pots and their commissioning is progressing

? Trigger

- ⌘ running global trigger list version 3.3, putting together version 4.0 for post Moriond data sample with filtering at L3
- ⌘ at L1 trigger: calorimeter (jets, electrons) and muon (single and di-muon) triggers
- ⌘ Level 2 trigger is in global readout and commissioning is progressing

? DAQ

- ⌘ serious improvements over last week
 - ⌘ new hardware/software been installed
 - ⌘ check sum /missing crates error rate is down to a few % level (from 15-20%)
 - ⌘ stability of the system is much higher with DAQ peak rate of ~25Hz and average rate to tape of ~15Hz (factor of ~3 improvement)
 - ⌘ DAQ rate is now limited by rate to tape (~30Hz currently)
 - ⌘ DO data collection efficiency is at least twice higher, then before modification
- ⌘ short and long term plans for the DAQ system improvements are developed