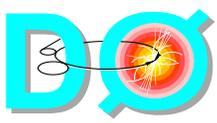


DO Status

- Spent last week with detector in closed configuration collecting cosmic data, zero_bias data as well as debugging sub-detectors
- “Randomized” prescale scheme has been tested and is going to be used on-line after shutdown
- Trigger files have been updated/tested for post-shutdown operation
- Trigger rates tests have been performed
 - ◆ Level 1 trigger rate is limited to ~1.2kHz due to tracking electronics performance (slow). Experts are working on this issue.
 - ◆ Level 2 trigger rate is limited to ~0.5kHz due to muon PDT readout crashes (still with us). If this problem is resolved, could push all the way up to Run II spec of 1.0kHz
 - ◆ Level 3 trigger rate (rate “to tape”) is ~50Hz which is Run II DO specification
- DO plan for this week
 - ◆ Start post-shutdown data taking basically in the same configuration as pre-shutdown: detectors, triggers, etc.
 - ◆ Check trigger rates, individual sub-detectors performance with first 1-2 stores
 - ◆ Continue physics data sample collection



Summary

- D0 Experiment is ready for beam
- Plan for brief period of detectors/trigger commissioning after shutdown has been developed
- This week is D0 Collaboration meeting week - plenty of activities, including discussions of physics results for winter conferences
- Access request
 - ◆ Have couple of items (muon VME LVPS failure, AFE board swap, etc.) which we would like to fix. Estimated time 1-2 hours.
 - ◆ Prefer to have first store asap (before access), as we might discover other problems after running with beam.