

Operability Report

11/14/2007

Accelerator

Machine energy at 0.800 GeV/pass

- No CW beam to the BSY dump
 - Raster magnet sets off VESDA
- Test plan performed to investigate beam instabilities caused by 1L04
 - 1L04 is now on
- Energy changes will be performed by Ops using the draft procedure and reconfiguration plan
- RF instability when Halls A and C are at high current may show up as BLM or BCM faults
- 3 identical fiber lasers installed with superlattice photocathode
- Check E03 corrector settings during pass change. Large offsets may have been scaled in during the energy change
 - MST files will be modified
 - J Benesch will investigate large SOF values in the nT00A and nT00B BPMs
- Consult EES for guidance on beamline vacuum faults
 - Raise vacuum set points vs. lower cavity GSET

Hall A

Quasi-Elastic Electron Scattering

- 1 pass 0.845 GeV; Max current 80 uA
- Several pass changes coming in the next week
 - Try to complete them as efficiently as possible
 - No hall access during the pass changes
 - Return cw beam to Halls B and C once you have tune beam steered to the Hall A dump
- Many target changes
 - Try to do them as fast as possible
- 1H04A target OTR is working
- Combined optics loaded with Moeller quads on
- Calorimeter is disabled for this run
- Keep FFB on in position mode
 - Slow target lock on

Hall B

FROST

- 2 Pass 1.645 GeV; Max current 30 nA
- Take 2C24 harp scans and fopt data to the hall B tagger dump before and after Hall A pass changes

Hall C

GEp/GMp via recoil polarization

- 5 pass 4.045 GeV Max current 80 uA
- Moeller commissioning scheduled for Thursday 11/15/2007
- Take fopt data with beam to the Hall C dump before and after Hall A pass changes
- FFB on in position and energy mode
 - Slow target lock on