

Operability Report

11/7/2007

Accelerator

Machine energy at 0.800 GeV/pass

- **No CW beam to the BSY dump**
 - **Raster magnet sets off VESDA**
- **Test plan has been written to investigate beam instabilities caused by 1L04**
- **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**
- **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**

Hall C

Gep/GMp via recoil polarization

- **5 pass 4.045 GeV Max current 80 uA**
- **Moeller commissioning scheduled for Friday 11/9/2007**
- **FFB on in position and energy mode**
 - **Slow target lock on**