

# Operability Report

## 5/9/2007

### Accelerator

Machine energy at 1.0001 GeV/pass

- Special slow gradient recovery needed for 1L05 after a trip
- New cathode was installed during Open House
  - Old bulk GaAs material
  - There are bleed through issues
    - Check laser phases vs. transmission

**500 keV dipole reproducibility**

- **Beam may not transport after a change in PSS state**

**Chopper water skid flow meter adjusted**

**Capture stability investigation in on going**

**ESR contamination flushed out**

**Acid flushing of RSEP8A and RSEP9A completed**

- **Klixon repaired on MYR8T04**

### Hall A

(Elastic Electron Scattering Off  $^3\text{He}$  and  $^4\text{He}$ )

- 1 pass 1.056 GeV; Max current 105 uA
- Keep FFB on in position and energy
- OTR is working

### Hall B

**Kaon Photoproduction on the Deuteron Using Polarized Photons**

- **5 Pass 5.057 GeV; Max current 30 nA**
- **Unstable nA BPM's**
  - **nA BPM phase offset changed for 2C24**
  - **May be caused by dispersion leaking into the Hall B line**
  - **Use CS tool and arc 9 dispersion quads (ORFP)**
- **Unstable current and current spikes**
  - **Adjusted hall B laser phase and lowered hall B slit value**
- **Aspect ratio**
  - **Use smart knobs, viewers, and harps (Hall B procedure)**

### Hall C

**E05-017**

- **2 pass 2.056 GeV; Max current 80 uA (100 uA for calibration run)**
- **FFB on in position mode**
- **Experiment start up and commissioning in progress**
- **Back out of G0 items may still be in progress**
- **Multiple pass and energy changes may still happen next week**