

Operability Report

5/16/2007

Accelerator

Machine energy at 0.829 GeV/pass

- Special slow gradient recovery needed for 1L05 after a trip
- The cathode is the Old bulk GaAs material
 - There are bleed through issues
 - Check laser phases vs. transmission often

500 keV dipole reproducibility

- Beam may not transport after a change in PSS state

Capture stability investigation in on going

ESR contamination flushed out

Acid flushing of RSEP8A and RSEP9A completed

- Klixon repaired on MYR8T04

Accelerator Energy change scheduled for Friday 5/18/2007

Hall A

(Elastic Electron Scattering Off ^3He and ^4He)

- 1 pass 0.875 GeV; Max current 105 uA
- New optics loaded with Moeller quads off
- Keep FFB on in position mode
- OTR is working

Hall B

Kaon Photoproduction on the Deuteron Using Polarized Photons

- 5 Pass 4.191 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)
 - May be RF separator or a magnet (investigation is ongoing)
- 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

- 4 pass 3.362 GeV; Max current 80 uA (100 uA for calibration run)
- FFB on in position and energy mode
- Back out of G0 items may still be in progress
- Pass change scheduled for Saturday 5/19/2007