

Operability Report

4/25/2007

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 may be bleed through issues
 - Check laser phases vs. transmission

The Hall C laser has been re-installed

Cryo cycle of NL11 completed

Hall A

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

- 4 pass 4.057 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
 - Target BPM position changed, SL energy adjusted
 - 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

Off Line

- Reconfigure for E05-017 (5/10)
 - No beam hot checkout sometime this week