

Operability Report

5/23/2007

Accelerator

Machine energy at 1.02 GeV/pass

- RF instability when Halls A and C are at high current may show up at BLM faults
- 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

Hall A

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

- 4 pass 4.137 GeV; Max current 105 uA
- New optics loaded with Moeller quads off
- Keep FFB on in position and energy mode
- Target OTR is working

Hall B

Kaon Photoproduction on the Deuteron Using Polarized Photons

- 5 Pass 5.157 GeV; Max current 30 nA
- Unstable nA BPM's
 - nA BPM phase offset changed for 2C24
 - May be caused by dispersion or match problems
 - 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

- 1 pass 1.077 GeV; Max current 80 uA (100 uA for calibration run)
 - Change to 5 pass 5.157 GeV after 24 hours of running; max current TBD
 - Change to 3 pass 3.177 GeV scheduled for Tuesday 5/29/2007
- FFB on in position and mode