

Operability Report

6/6/2007

Accelerator

Machine energy at 1.02 GeV/pass

- **Bunchlength with A and C beams vs. capture phase**
 - Investigation in progress
- **Revised RF separation procedure released**
- **AT07 BPM bad position indications**
- **Check E03 corrector settings during pass change. Large offsets may have been scaled in during the energy change**
- **MYR9R03, MAO9R03 shunt communication faults (not in alarm handler)**
- **RF instability when Halls A and C are at high current may show up at BLM or BCM faults**
- **The cathode is the Old bulk GaAs material**

Hall A

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

- **4 pass 4.137 GeV; Max current 105 uA**
 - Limited by RF power and total linac current
- **Change to 1 pass 1.077 GeV on Thursday 6/6**
- **Change to 3 pass 3.117 GeV on Sat 6/9 or Sun 6/10**
- **Harp at 1H03B limit switch needs adjustment. Move beam up vertically or use the 1H03A harp**
- **New optics loaded with Moeller quads off**
- **Keep FFB on in position and energy mode**
 - Slow target lock?

Hall B

Kaon Photoproduction on the Deuteron Using Polarized Photons

- **5 Pass 5.157 GeV; Max current 30 nA**
- **Unstable nA BPM's**
 - Check dispersion **AND** match in the higher arcs with 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)
- **Drop to restricted access**
 - Failed truck ramp roll up door switch replaced by PSS

Hall C

E05-017

- **2 pass 2.097 GeV; Max current 80 uA (100 uA for calibration run)**
 - Limited by RF power and total linac current
- **Change to 5 Pass 5.157 GeV Sat 6/9 or Sun 6/10**
 - Max current limited by RF power and total linac current
- **FFB on in position and mode**
 - Slow target lock?