Operability Report
6/27/2007

Accelerator

Machine energy at 0.804 GeV/pass (Change to 0.933 GeV/pass on Thurs 6/28)

- **The accelerator has been running well since the Wien angle was set back to zero**
  - **The experts will do all Wien changes until the procedure is modified**
- **RF still has the beam loading issue when both A and C request max current**
  - **RF instability when Halls A and C are at high current may show up at BLM or BCM faults**
- **Bunchlength with A and C beams vs. capture phase**
  - **R Kazimi or Y Wang will set bunchlength as needed**
- **0L07 spectrometer power supply re-installed, injector steering corrected**
- **Revised RF separation procedure released**
- **Check E03 corrector settings during pass change. Large offsets may have been scaled in during the energy change**
  - **J Benesch agreed and will modify MST files**
- **MST fix to allow viewing of scaled files before downloading (will be checked today)**
- **Capture phase adjustment may be necessary to get rid of 3C12 BLM trips**
- **Zone 1L09 tripped off due to beamline vacuum fault. 1L08-8 gset was lowered and 1L09-1 was bypassed, which resolved the issue for now**
- **The cathode is the Old bulk GaAs material**

Hall A

(Hard Photodisintegration of a Proton Pair)

- **2 pass 1.656 GeV; Max current 50 uA (Many pass changes to come)**
- **Harp at 1H03B limit switch needs adjustment. Move beam up vertically or use the 1H03A harp**
- **New optics loaded with Moeller quads on**
- **Keep FFB on in position mode**
  - **Slow target lock on**

Hall B

Kaon Photoproduction on the Deuteron Using Polarized Photons

- **5 Pass 4.072 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)**

Hall C

E05-017

- **3 pass (2.460 GeV) Max current 80 uA (100 uA for calibration run**
  - **Max current may be limited by RF power and total linac current**
  - **Many pass changes to come**
- **FFB on in position and energy mode**
  - **Slow target lock on**