



Run Coordinator Report: April 20-25, 2016

Kalyan Allada (MIT) and
Vincent Sulkosky (UVA)

April 26th, 2016

Wednesday, April 20, 2016

Day

- Transition from DVCS to GMp
- L-HRS moved to 43 deg.

Swing

- 21:00 Began beam recovery
- 22:42 Target boiling studies started with carbon target

Day

- Target cryo flow increased for 60uA running

Swing

- No major issues

Thursday, April 21, 2016

Owl

- Continued with boiling studies with LH2 target

Day

- Arc energy measurement
- BCM calibration up to 65 μA
- Production resumes @ 60 μA .

Swing

- Production @ 60 μA on left and right HRS: $Q^2 = 11.9 \text{ GeV}^2$ and 12.6 GeV^2 , respectively.

Owl

- Target fan speed went to 0 when changed from 60 Hz to 30 Hz
- Dave Meekins took a short access to reset the fan

Day

- No major issues

Swing

- No major issues

Friday, April 22, 2016

Owl

- Production @ 60 μA on left and right HRS: $Q^2 = 11.9 \text{ GeV}^2$ and 12.6 GeV^2 , respectively.

Day

- Continue production.
- No beam after 10:46.

Swing

- 19:40 Began beam recovery.
- 20:05 Production resumes @ 60 μA .

Owl

- No major issues.

Day

- Multiple IOCs went down.
- C100 trips due to storm.

Swing

- RF separation of 1st and 4th pass beams.
- Three hall operation.

Saturday, April 23, 2016

Owl

- Production @ 60 μA on left and right HRS.
- Doubled the working raster X size (2.5 x 3) to (5 x 4).

Day

- Continue production
- No beam after 9:45 AM

Swing

- 16:45 Began beam recovery
- 18:30 Production resumes @ 45 μA :-)

Owl

- 02:00 Raster X-Alpha power supply failure (2 hours)
- Bill Gunning not reachable. B. Michaels contacted.

Day

- Accelerator valve issue.
- C100 trips due to storm

Swing

- BLA trips prevent current above 45 μA .

Sunday, April 24, 2016

Owl

- Production @ 45 μA .
- Bill Gunning replaced both power supplies X-A & Y-B.

Day

- Continue production
- 15:30 switched to 15 cm dummy target

Swing

- 18:00 Production resumes @ 40-45 μA .

Owl

- 00:40 Raster Y-Beta power supply failure (2 hours).
- Beam current: 45 - 40 μA .

Day

- No major issues.

Swing

- No Major issues.

Monday, April 25, 2016

Owl

- Production @ 40-45 μA .
- 06:00 Beam off

Day

- 08:30 Hall A to restricted access.
- Target warm up.
- Spectrometer pointing survey

Owl

- No major issues.

Q^2 of 11.9 GeV^2 (LHRS) = ~11 K elastic events (preliminary cuts)
(includes runs with 40uA, 45uA and 60uA)

Q^2 of 12.6 GeV^2 (RHRS) = ~8 K elastic events
(includes runs with 15uA, 40uA, 45uA and 60uA,
angle moved once during DVCS run, larger systematics)