

Run Coordinator Report

July 31 – Aug 6

Dustin McNulty
Idaho State University
Aug 6, 2019

Weekly Summary:

- **Tuesday 7/31 Day:** controlled access for Hall work:
 - Target drive shaft work; pulled Left Q1 PS part and ordered new one; old Compton fiber amplifier installed
 - Survey work done to assess Moller Quad misalignment
- **Tuesday Swing and Owl:** target motion problems again—no production
- Started out down all **Wednesday Day** with Hall work:
 - Repaired: target drive shaft, LQ1 PS contactor switch, Analog BCMs
 - Also installed new PPLN for Compton...; achieved cavity lock but only few hundred kW
 - Installed 5 mm quartz in Rarm Main detectors; repositioned A_T detectors
- **Wednesday Swing:** low current running in Counting DAQ mode
 - Align Rarm Main Detectors and Left & Right A_T detectors
 - Q^2 measurements with GEMs and VDCs

Weekly Summary:

- **Thursday Owl to Friday Day:** production on Pb10 target at $70 \mu\text{A}$
 - Collected over 5.5 good Coulombs in 4 shifts – ~70% efficiency!
- **Friday Day:** Wien flip and Compton work in the Hall; back to production
- **Friday Swing to start of Sunday Day:** production at $70 \mu\text{A}$; switched to new target—Pb9 after Pb10 degradation observed
- **Sunday Day to Monday Day:** Moller measurements: polarization and systematics
- **Monday Day:** controlled access for Compton work: tuning, new opto-isolator
- **Monday Swing to Tuesday Owl:** low current raster on target checks; production running on Pb9 at $70 \mu\text{A}$
- **Tuesday Day:** production until 10:30am; access for Compton work

Status

as of 8AM Aug 6, 2019

Charge total vs run

