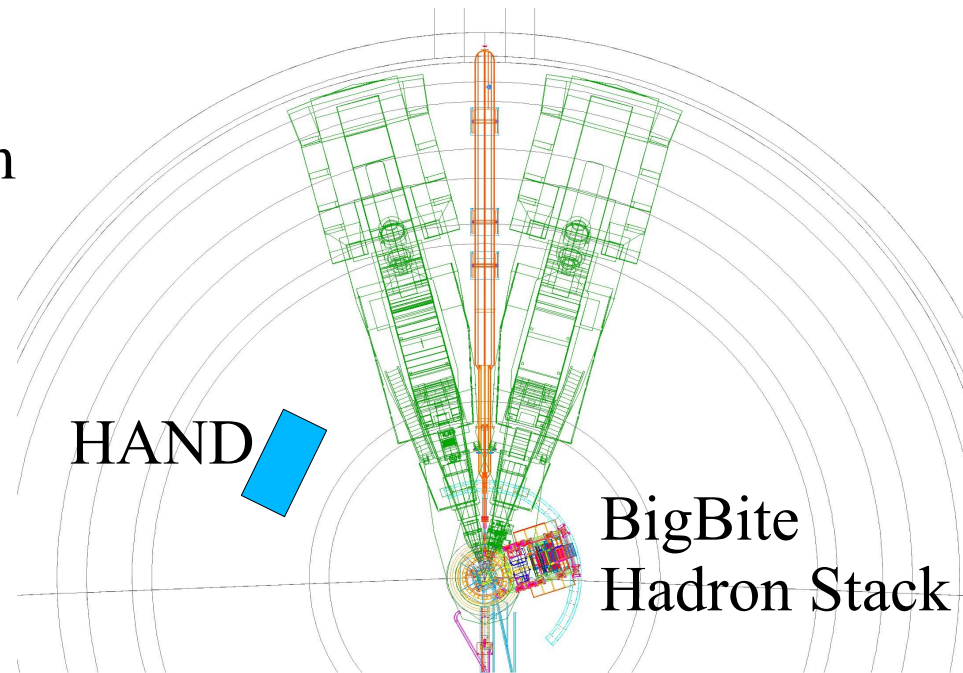
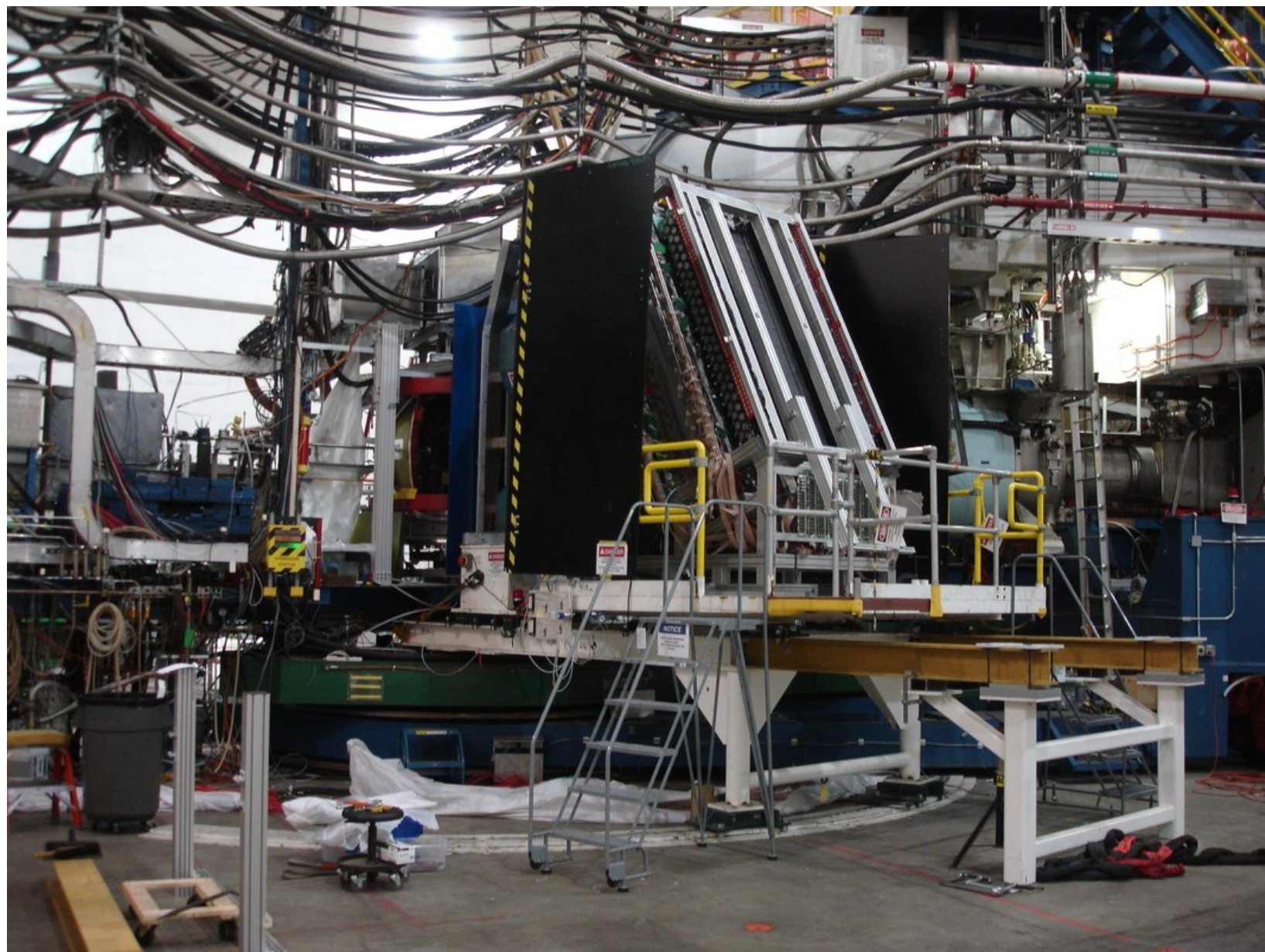


E05-015: A_y & E05-102: ${}^3\text{He}(e,e'd)$

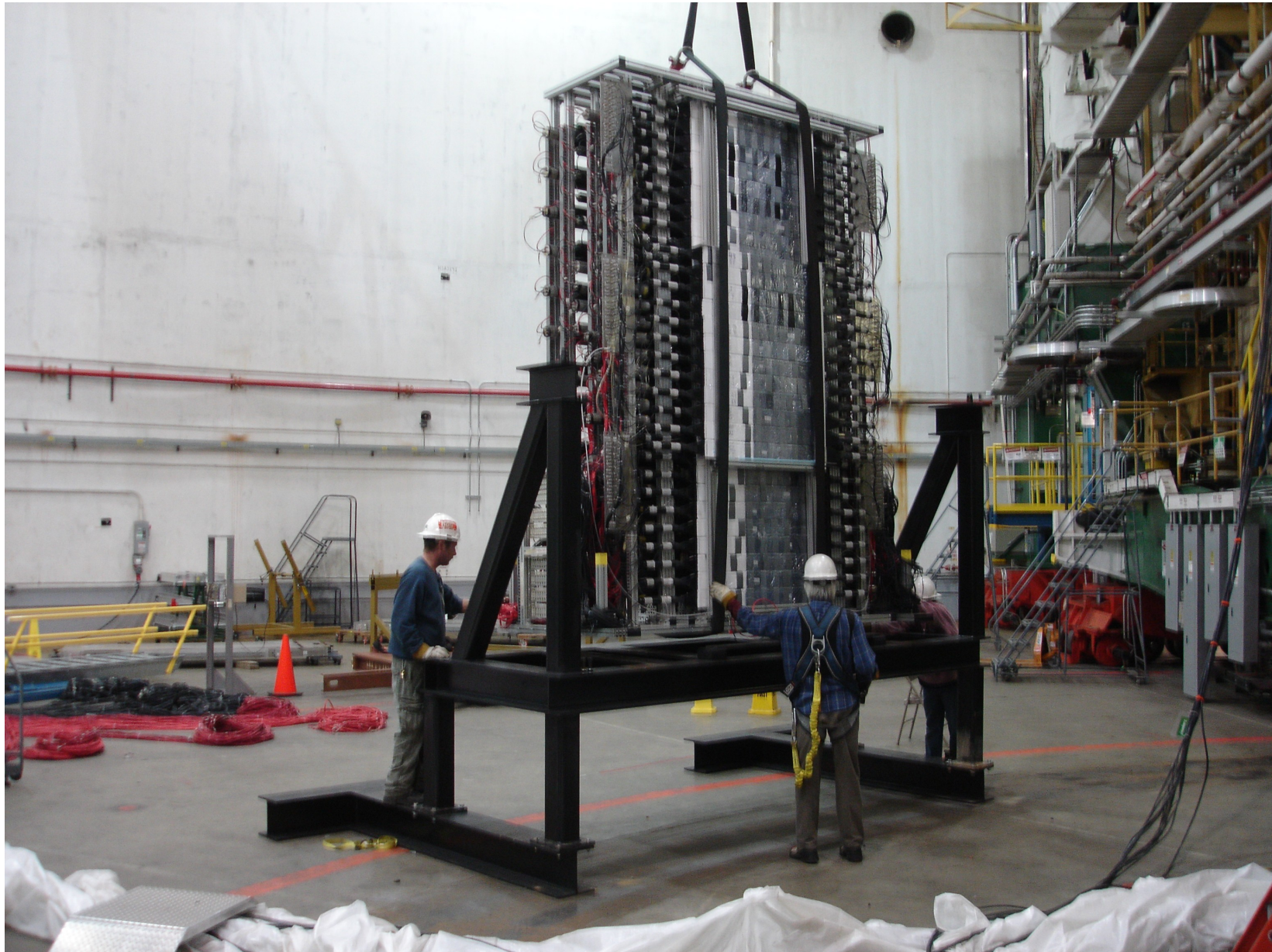
- **The Big Hop** (Left HRS and BigBite Trade Places)
- Left HRS @ $12.5^\circ - 20^\circ$ with Negative Polarity (17°)
- Right HRS @ $12.5^\circ - 20^\circ$ with Negative Polarity (17°)
- BigBite with neutron detector for testing @ large angle
 - system check during A_y
- Polarized ${}^3\text{He}$ Target System



BigBite Hadron Stack

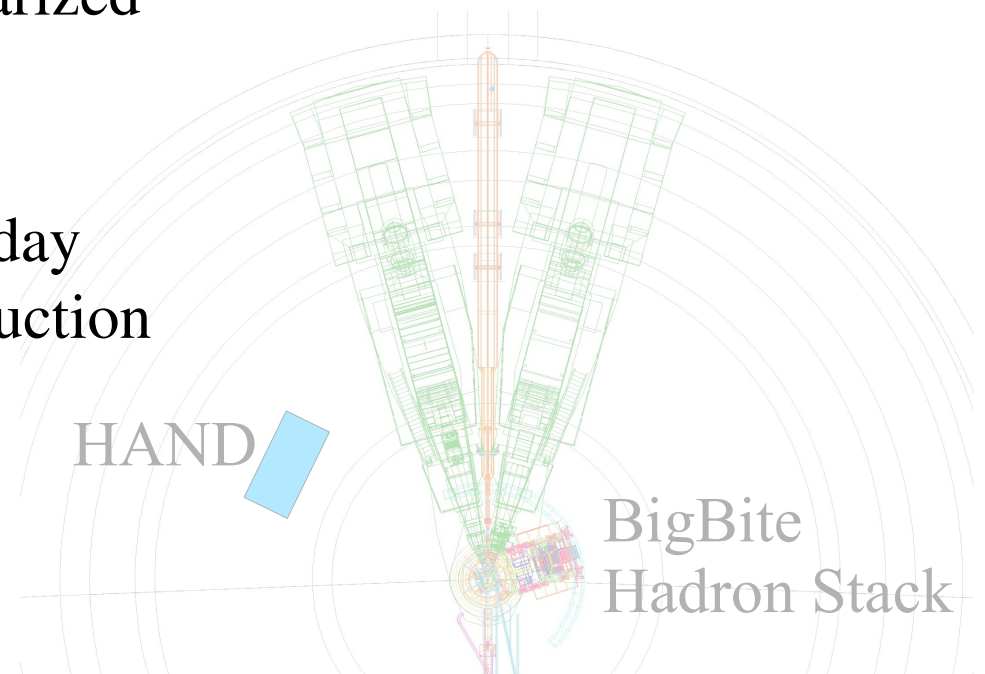


BigBite Hadron Stack



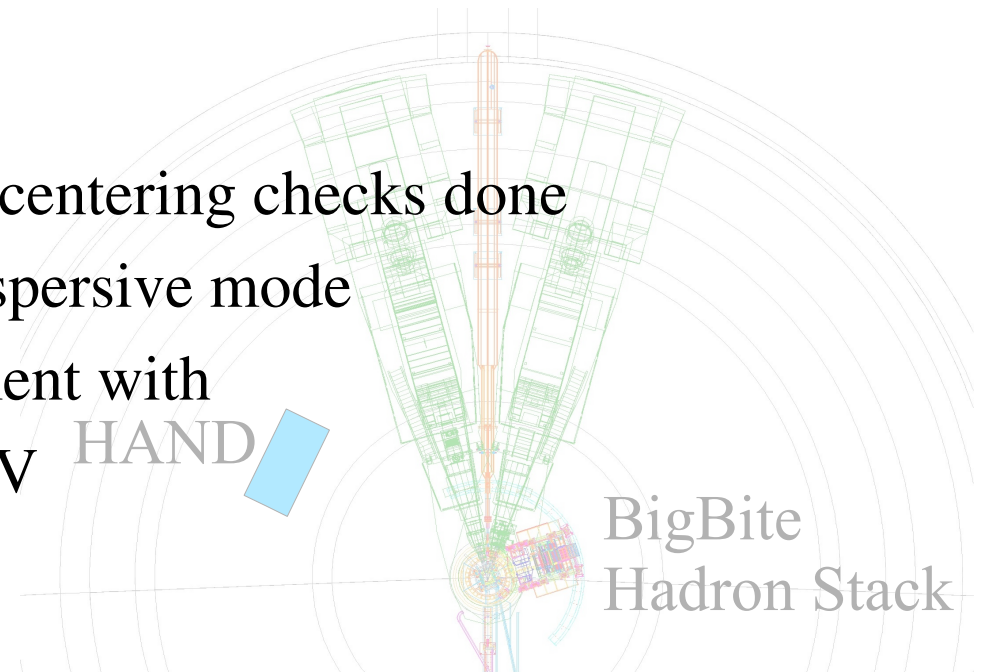
Experimental Status

- Hall saw beam Wednesday night (Apr 22)
 - Alternated between beam overnight and work in the day
- Detector commissioning essentially complete by end of Saturday Swing
- Target re-commissioning complete
 - 1-pass elastic asymmetry data for polarization cross check completed
- Now taking a few shifts of quasi-elastic vertical polarized production data followed by a shift of horizontal-polarized production data
- We will switch to 3-pass on Wednesday morning and start the “official” production schedule.



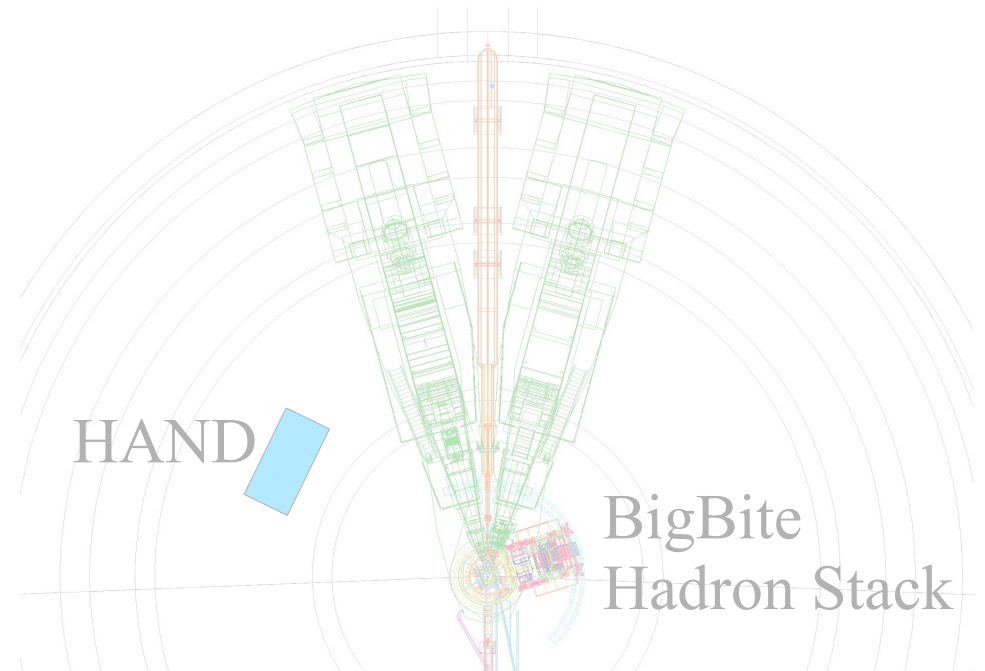
Commissioning Tasks

- LHRS brought back up (started in pretty good shape)
 - RICH removed
- RHRS was re-commissioned after a long period of inactivity
 - RHRS VDC was successfully replaced and re-commissioned
- Neutron Arm, BigBite Hadron Stack commissioned
 - Still some calibrations and fine-tuning underway
- Bull's Eye (BPM calibration) done
- Full BCM calibration completed
- ^3He , reference cell alignment, beam centering checks done
- ARC energy system tested in non-dispersive mode
 - $E = 1245.32 \text{ GeV}$ in good agreement with
 - Tiefenbach Energy = 1245.25 GeV



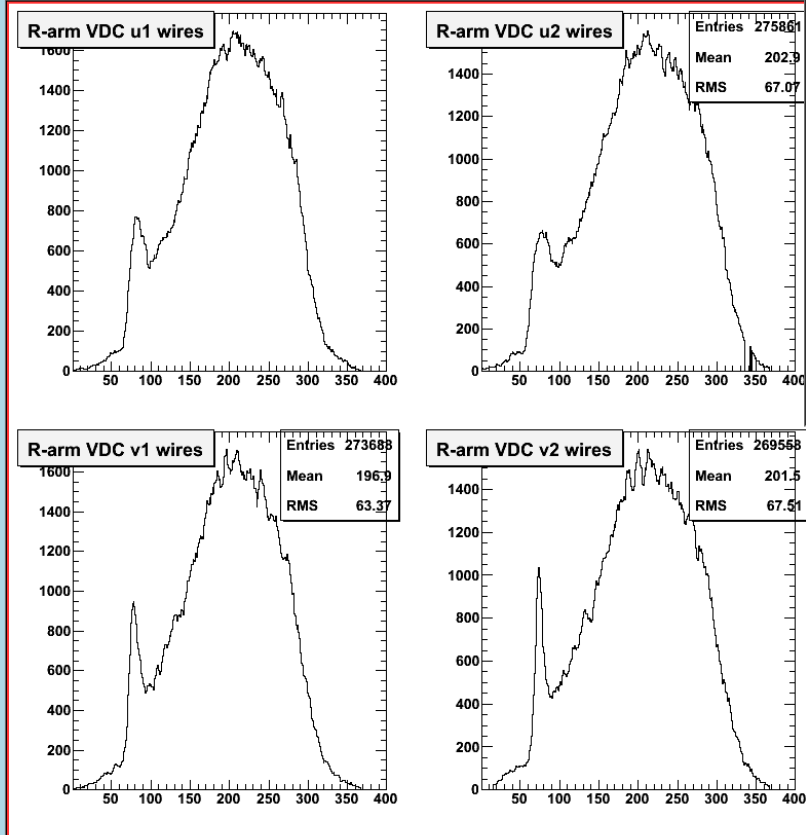
Commissioning Status

- Moller (1-pass) completed on Friday
 - Bob M. had some training as a backup operator
 - result was 88.3% at the Hall (100% of full)
- Elastic ^3He target asymmetry measured



RHRS VDC

- R-arm S1 TDC (0-5)
- R-arm S1 ADC (0-5)
- R-arm S1 ADC Ped sub (0-5)
- R-arm S2 TDC (0-5)
- R-arm S2 ADC (0-5)
- R-arm S2 ADC Ped sub (0-5)
- R-arm VDC wires
- R-arm VDC TDC
- R-arm VDC hits
- R-arm VDC efficiency
- R-arm Cherenkov (0-9)
- R-arm Cherenkov Ped sub (0-9)
- R-arm Cherenkov TDC (0-9)
- R-arm Preshower (0-11)
- R-arm Preshower (12-23)
- R-arm Preshower (24-35)
- R-arm Preshower (36-47)
- R-arm Preshower Ped Sub (0-11)
- R-arm Preshower Ped Sub (12-23)
- R-arm Preshower Ped Sub (24-35)
- R-arm Preshower Ped Sub (36-47)
- Beam Position at BPMs and Target
- R-arm target
- Momentum (small bins) and Reactz
- Raster and Sieve Slit
- Event Type
- Helicity
- Target Spin Signal
- ROC Sync Check, Suppose Straight Lines



Prev

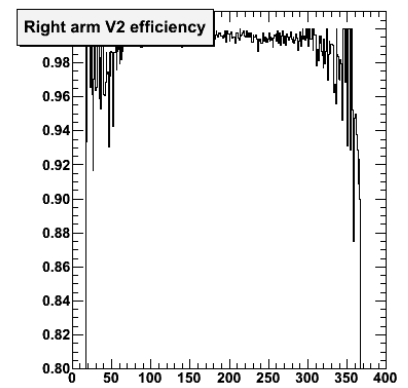
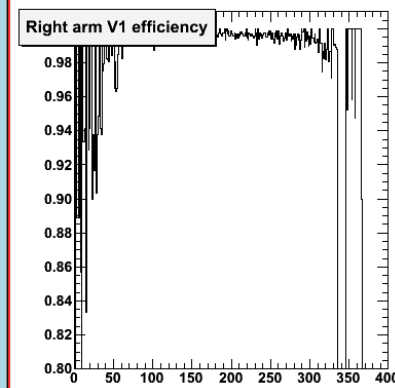
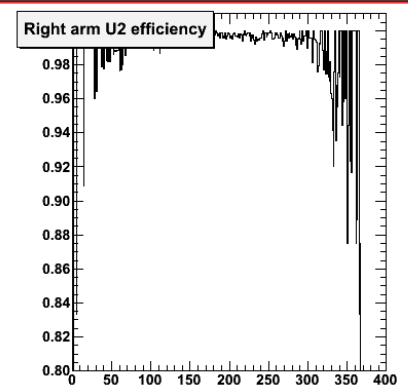
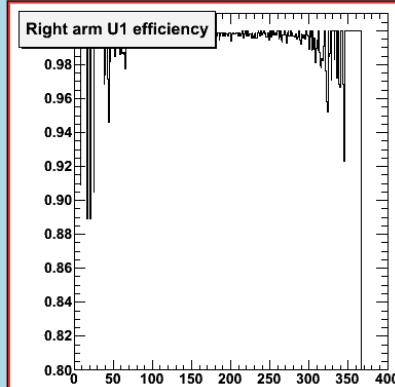
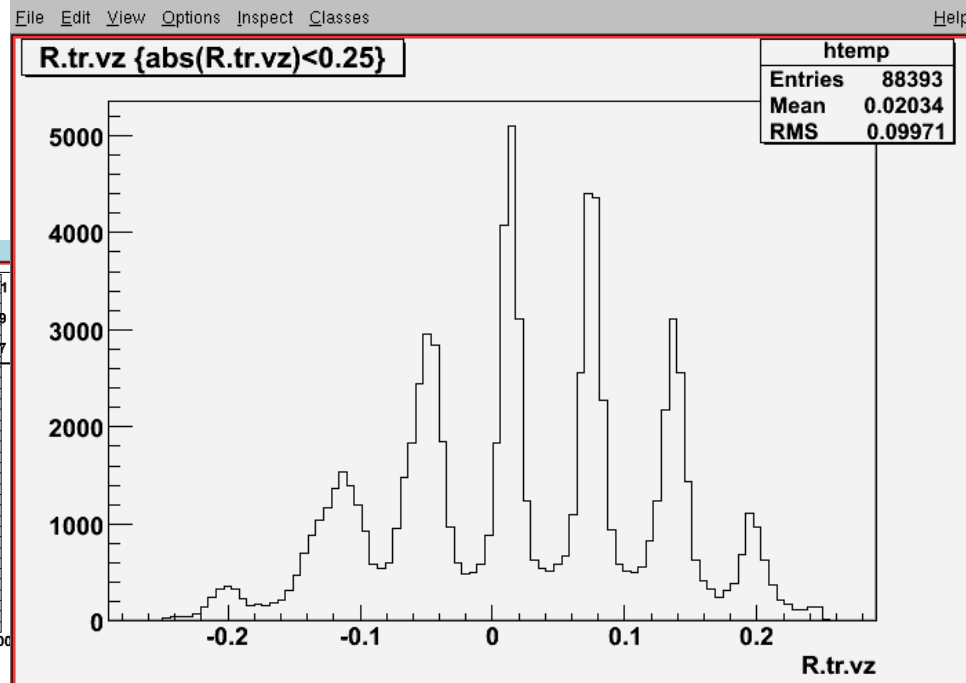
Next

Exit Gui

Run #20462

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- R-arm Preshower Ped Sub (24-35)
- R-arm Preshower Ped Sub (36-47)
- Beam Position at BPMs and Target
- R-arm target
- Momentum (small bins) and Reactz
- Raster and Sieve Slit
- Event Type
- Helicity
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Exit Gui

Run #20462

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Things to keep an eye on

- Still some scaler cross checks, etc to do
- Seems to be a software mapping issue on the RHRS VDC that needs to be corrected
- Lots of other small fine-tuning issues...
- Possible injector problem
 - Higher than expected field emission, gun degradation
 - backup cathode is available
 - could cause downtime during 3-pass running

