Status of eg6 Commissioning

Monday 10/5

- Closed Hall B on Monday early evening

Status of eg6 Commissioning

Tuesday 10/6

- Establish beam position
- Hall A ESR incident triggered DVCS solenoid rampdown
- Injector problems and beamline vacuum issues in hall
- Install fan unit to cool RTPC inside DVCS solenoid bore
- Empty target runs with low beam current
- More work on beam position measurement

Status of eg6 Commissioning

Wednesday 10/7

- Started with more beam position studies
- CC trigger studies with varying CC thresholds
- 4 hours down due to coldbox trip

Status of eg6 Commissioning

Thursday 10/8

- 6 hours down due to second coldbox trip, this time the cause "revealed" itself
- Photon trigger studies with varying IC thresholds and number of clusters
- 0.5 hours access to replace blown fuse in CAMAC crate
- Hall A Compton polarimeter work, scheduled for one hour, resulted in unacceptable beam for Hall B for most part of the day
- Injector work

Status of eg6 Commissioning

Friday 10/9

- Beam profile with shoulder and small S/N
- Injector work on laser table did not help
- Continue trigger studies with slow progress
- MCC found out that beam tuning was done on reflection of beam
- Beam tune improved w/o shoulder

Status of eg6 Commissioning

Saturday 10/10

- Trigger studies at slow rate in parallel with RTPC work
- Integrating both RTPC readout controllers into CODA
- RTPC HV studies to optimize gain with α-sources
- Running in ROC-lock mode at 500 Hz for first data including RTPC
- Beam spikes on return of tripped beam causing HV trips

Status of eg6 Commissioning

Sunday 10/11

- Trigger studies at slow rate
- Beam spikes continue, frequent reboots of crates
- Hall A dispersion measurement leads to problematic beam on return
- High rates probably due to not properly steered beam
- Harp scans to improve beam profile
- Take data in ROC-lock mode at different RTPC HV settings

Status of eg6 Commissioning

Monday 10/12

- RTPC cathode HV trip cannot be reset