

# 11GeV ! RC report [Apr.13-20,2016] @ Hall-A meeting

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Apr.19,2016

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## Issues

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## Issues

- Calo. Ch.161,81 (resolved)

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## Issues

- ARC2A magnet PS waterflow issue

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## OWL

- Production run with 5pass beam for DVCS Kin48\_4, GMp

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## DAY

- Production run with 5pass beam for DVCS Kin48\_4, GMp  
→ Production (LH2) runs and Optics run

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## SWING

- Production run with 5pass beam for DVCS Kin48\_4, GMp

## Issues

## Issues

- Beam study (replace Hall-A Dump diffuser ion chamber interlock VME card: MCC+Radcon)
- Beam study (Parity check /PITA scan) - reordering

## Issues

- Lost Raster control/reboot IOCHLA/Controlled Access (absence of communication with our shift crew)
- Work1 disk full issue/ aonl2 reboot
- LQ2 readback problem (known)
- LQ1 tripped w/o alarm
- DAQ crash (DVCS ROC no-response/hatsv4:PortServer reboot by web interface)

## OWL

- Production run with 5pass beam for DVCS Kin48\_4, GMp

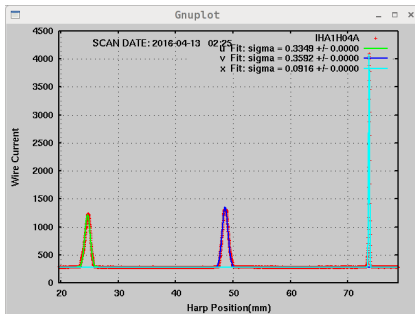
## DAY

- Beam study / Hall-A (Beam permit mode (9:30AM-2:30PM))
- Set up Compton... 5th pass RF trip - postpone on Monday
- HARP scan issue resolved (Yves,Julie)

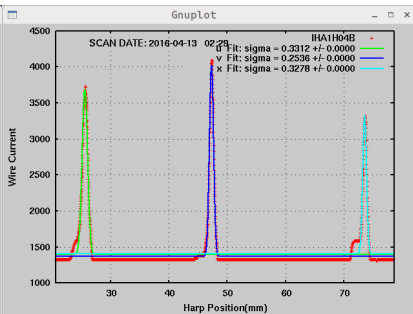
## SWING

- Beam back around 5PM
- Production run with 5pass beam for DVCS Kin48\_4, GMp

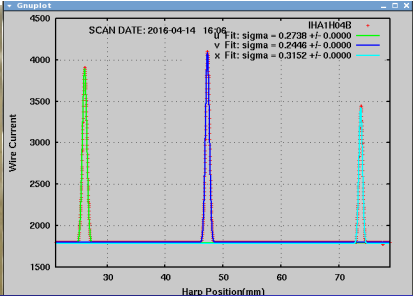
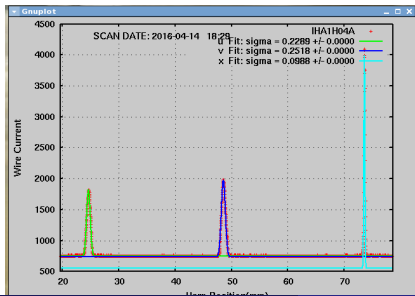
# HARP A/B



56.4116, 4496.19



48.7185, 4586.88



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## Issues

- LQ2 readback problem (known)

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## Issues

- Raster Xbeta PS failed / replace PS-HallC (Bob/Bill)

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## Issues

- RF 5th pass separator trip

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## OWL

- Resolved AutoRunLog entry with empty HV info (RHRS)
- Production run with 5pass beam for DVCS Kin48\_4, GMp

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## DAY

- Production run with 5pass beam for DVCS Kin48\_4, GMp

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## SWING

- Production run with 5pass beam for DVCS Kin48\_4, GMp

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## Issues

- RHRS DAQ crashing @ 3:05AM
  - Calo ADC VME reboot @ 9:30AM
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## Issues

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## Issues

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## OWL

- Production run with 5pass beam for DVCS Kin48\_4, GMp
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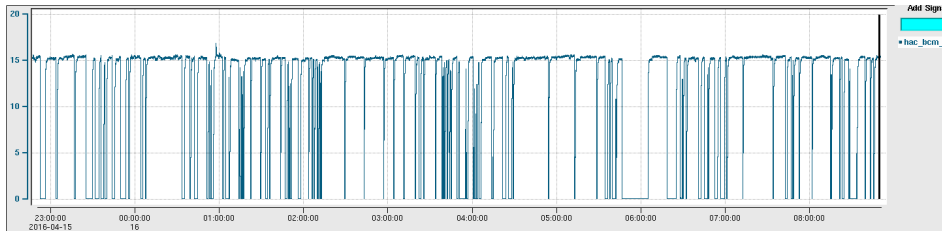
## DAY

- Production run with 5pass beam for DVCS Kin48\_4, GMp
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## SWING

- Production run with 5pass beam for DVCS Kin48\_4, GMp

# BCM avg during Friday SWING - Saturday OWL



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## Issues

- Calo ADC VME reboot @ 3AM

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## Issues

- RF down (0.5hr) @ 3:30PM  
1L13 Dropped Out Of Filament

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## Issues

- RF down (1.5hr)  
1L13 Dropped Out Of Filament
- Raster Xalpha PS failed @ 9:10PM  
Replaced PS (Bill)

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## OWL

- Production run with 5pass beam for DVCS Kin48\_4, GMp

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## DAY

- Production run with 5pass beam for DVCS Kin48\_4, GMp

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## SWING

- Production run with 5pass beam for DVCS Kin48\_4, GMp



## Issues

- rpi4 connection problem (HV is still on)

## Issues

- A short escorted access for reboot rpi4 (Bob)
- Rad. Survey in order to take raster PS out for repair (because no more spare)

## Issues

- Not work for LHRs=18.888(deg)/Kin36\_3

## OWL

- recover Raster / C-hole spot++ / 2x2
- Production run with 5pass beam for DVCS Kin48\_4, GMP

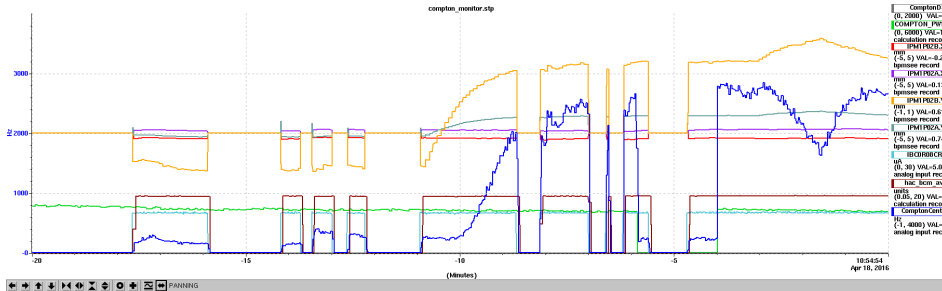
## DAY

- Compton setup (2nd)/Laser warm up/Beam tune/Setup complete(@ 12:30pm)
- Production run with 5pass beam for DVCS Kin48\_4, GMP + Compton !!
- Kinematic change LHRs=18.888(deg)/Kin36\_3 (@ 3:00PM)
- Parasitic run/Compton Electron Detector BG from first Dipole study (Alex)

## SWING

- Back to Production run with Kin48\_4, GMP + Compton !!

# Compton Collision 11GeV / 5uA / BG=250Hz !





## Issues

- Compton Laser off

## Issues



grandpa laser won't turn on

## Issues

## OWL

- Resolved AutoRunLog entry with empty HV info (DVCS)
- Production run with Kin48\_4, GMp

## DAY

- Production run with Kin48\_4, GMp

## SWING

- Production run with Kin48\_4, GMp
- Some special runs

## Issues

## Issues

### OWL

- Production run with Kin48\_4, GMp

### DAY - controlled access Survey

- RadCon survey (7AM)
- DVCS Calo is required the position survey before destacking. (8AM)
- GMp will detector position survey after end run

### Detector Setup

- GMp will change the LHRS angle ( $43^\circ$ )
- DVCS Calo. de-stack/ Secure safe place in the Hall till end run.

### Beam

- 4Pass beam for GMp experiment (single pass setup till end run)
- MCC will definitely try high current up to 60uA / no polarization (no Wien set)
- Must have the BCM and mini-target boiling tests.

## Accumulation of the charge target

- For the  $x_{bj}=0.48$  scan, four  $Q^2$  points.

kin 48\_1: 95% (Feb. 17 → Feb. 22)

kin 48\_2: 57% (Mar. 08 → Apr. 11, includes about 3 weeks of CHL down)

kin 48\_3: 75% (Feb. 27 → Mar. 08)

kin 48\_4: 64% (Apr. 13 → Apr. 19(12:00PM))