

RC report for 4/29 – 5/4

Luke Myers

May 5, 2015

Wednesday, April 29

Tasks

- Completion of optics/sieve runs using both spectrometers during OWL and DAY shifts
- Remove sieve plate
- Ion chamber calibration
- Started Δ scans ($\Delta p = 0, \pm 2, \pm 4\%$)

Issues

- LQ1 trips
- LHRS DAQ crash

Thursday, April 30

Tasks

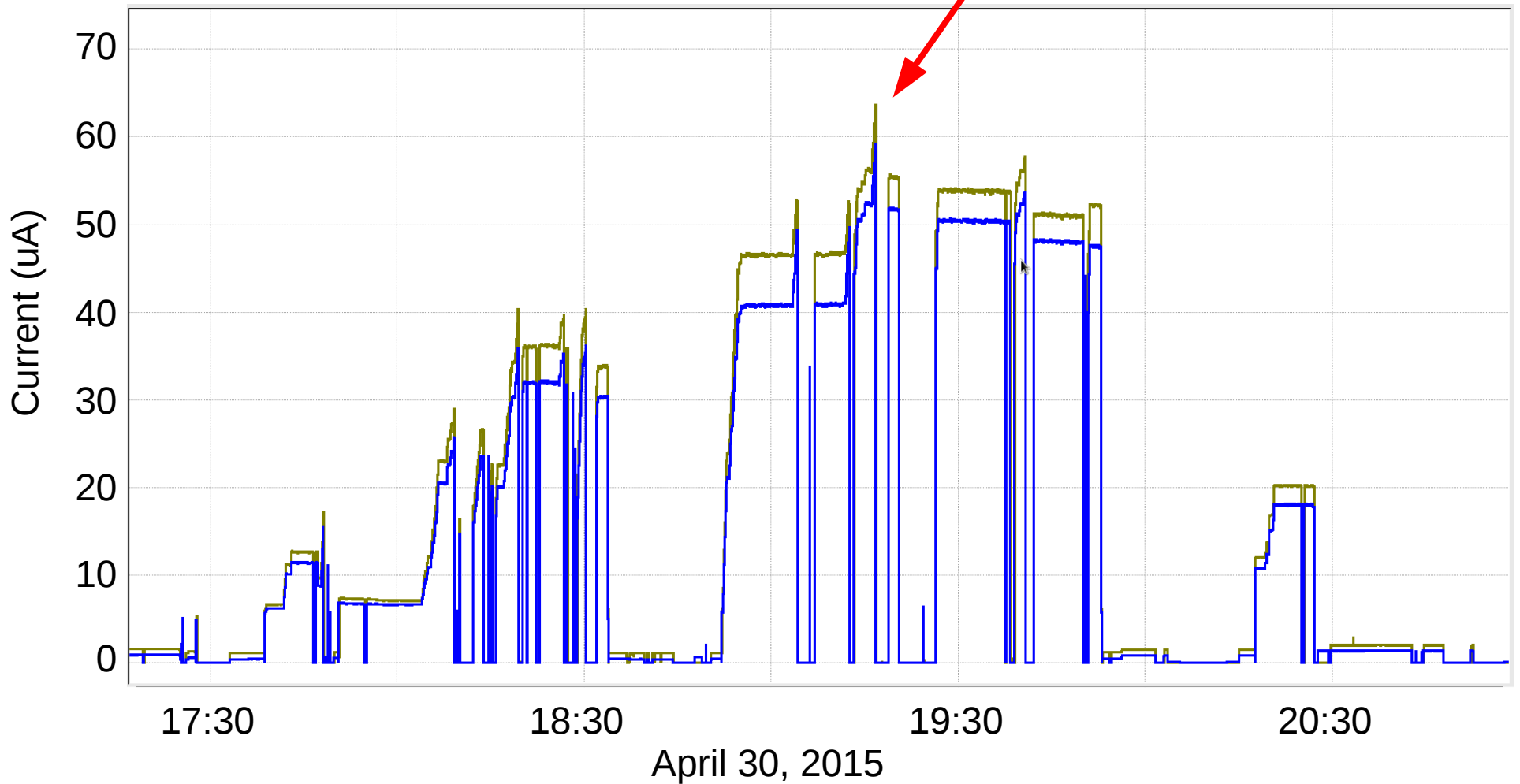
- Complete Δ scans during OWL
- Controlled Access during DAY
 - Polarity change on RHRS to positive
 - Move LHRS to accommodate SBS calorimeter
- MCC able to deliver up to 60 μ A of beam
- Start Δ scans w/ protons in RHRS, calorimeter debug

Issues

- None

Ramping up to 60 μA

— 0L02 current
— hac_bcm_ave



Friday, May 1

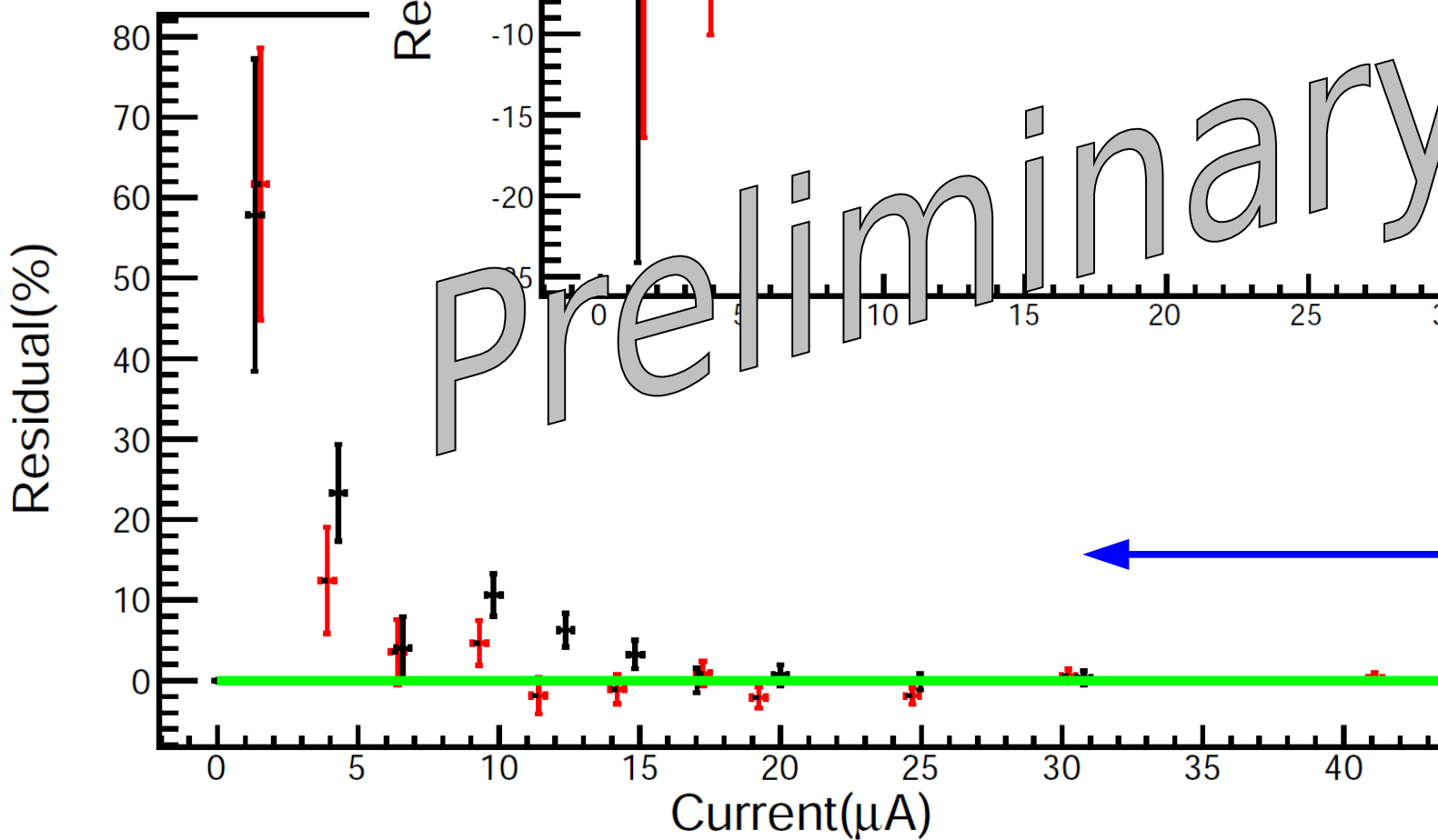
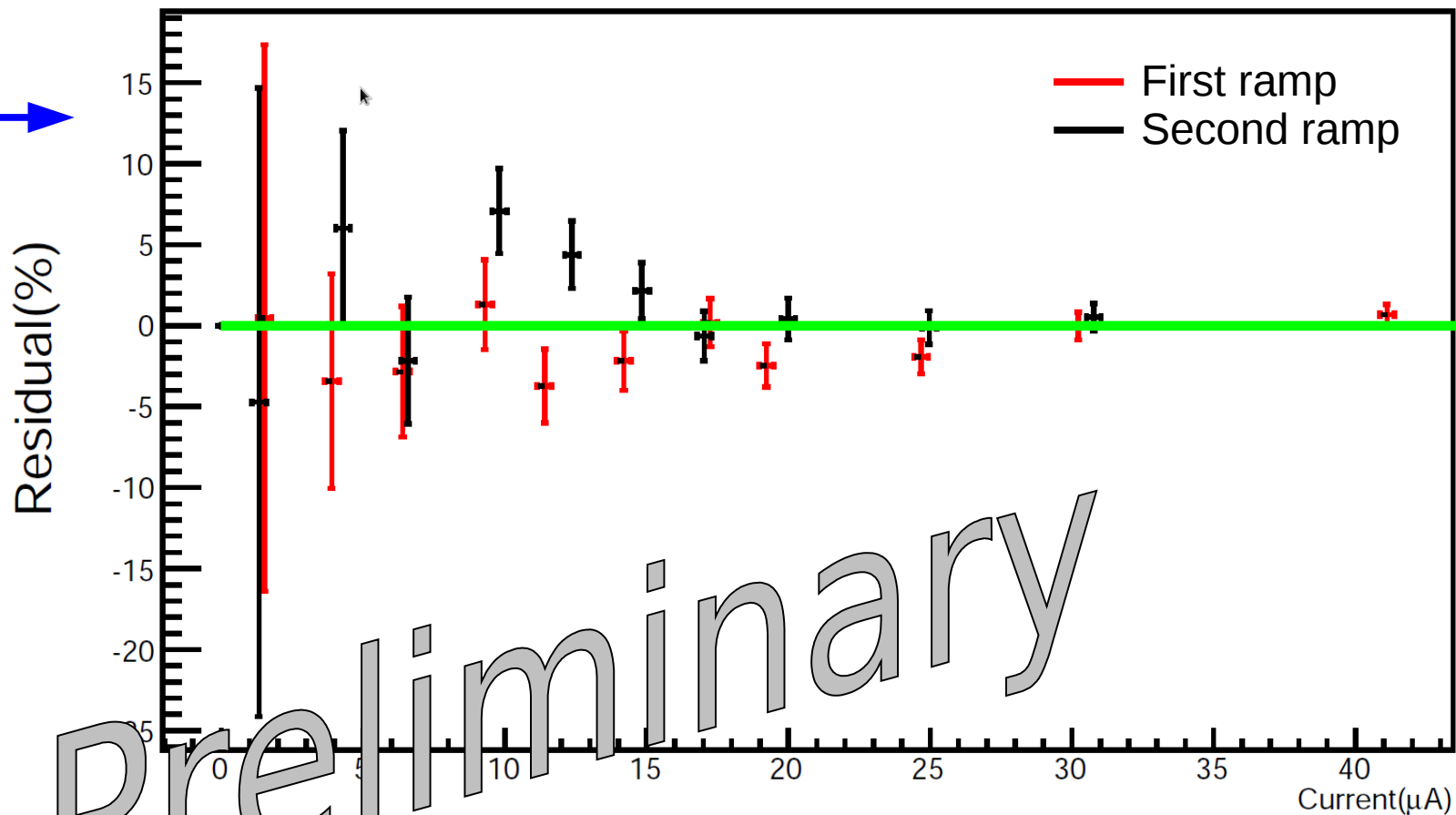
Tasks

- First calorimeter data
- BCM calibration up to 40 μA (no beam to B/D)
- Harp scans (C07A/B and C18A/B) successful
- Begin calorimeter running at 20 μA
- Move calo closer to beam line

Issues

- Downtime after BCM calibration because MCC couldn't bring Hall D up

New Receiver 



Legacy Receiver 

Preliminary

Saturday, May 2

Tasks

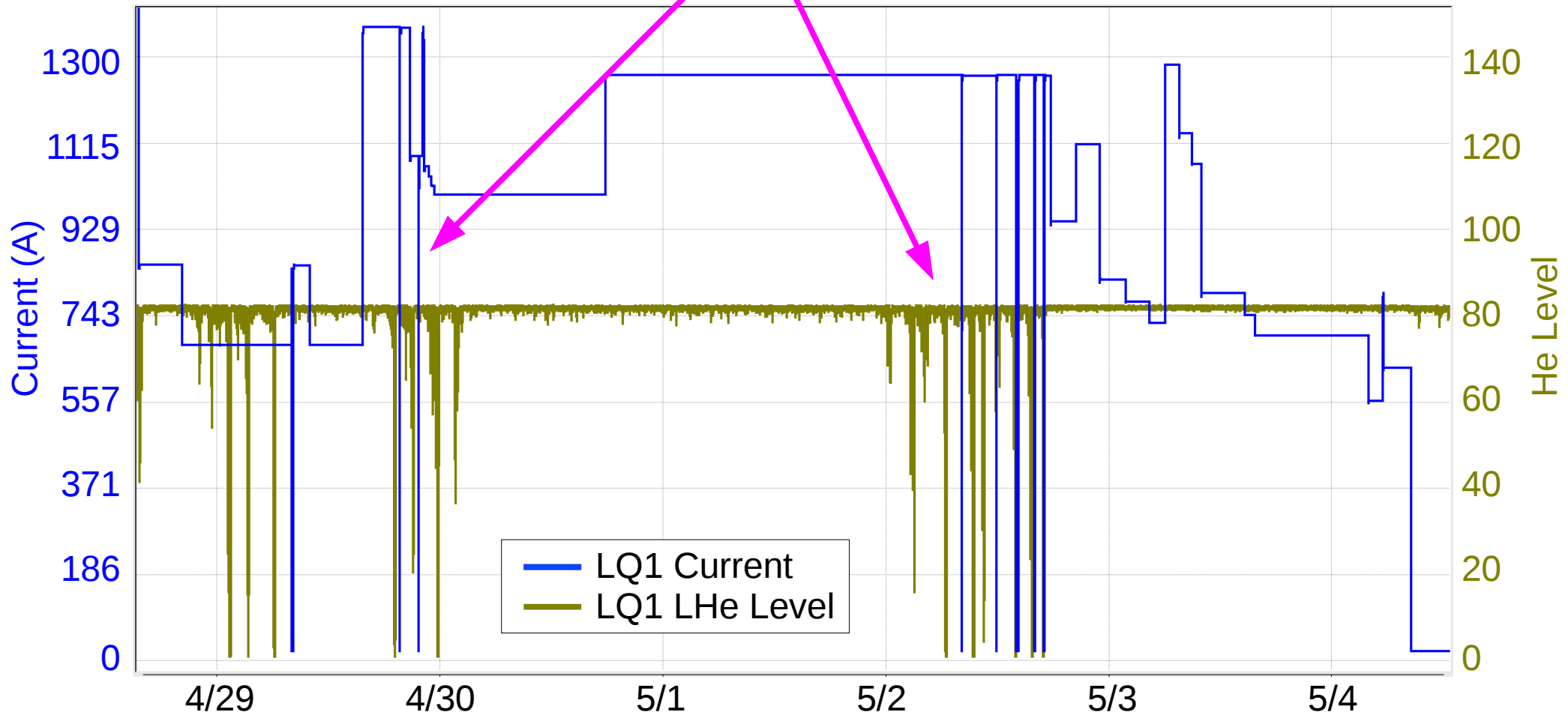
- End calorimeter studies
- Controlled Access during DAY
 - Change RHRS polarity to negative
 - Move LHRS to 45 degrees (elastics studies)
- Take data all swing (20 μ A, H₂, ¹²C, dummy)

Issues

- More LQ1 trips

LQ1 Trips

LHe level drops on Wed and Sat → LQ1 trips?



Sunday, May 3

Tasks

- Elastics studies
 - 45, 35, 25 deg w/ LHRS
 - White scans w/ RHRS (48.8 deg)
- Re-scan ARC harps (still works!)
- Begin target boiling studies (reach 50 uA)

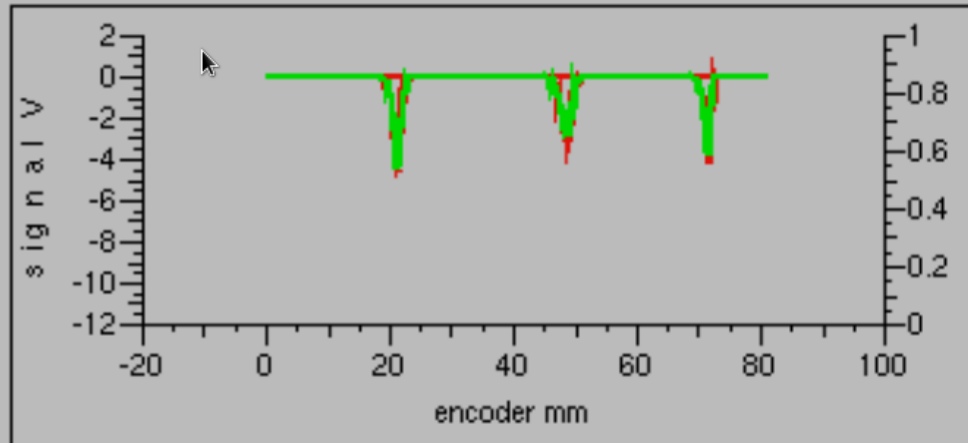
Issues

- Magnet mismatch in accelerator closed valve in hall line

New ARC

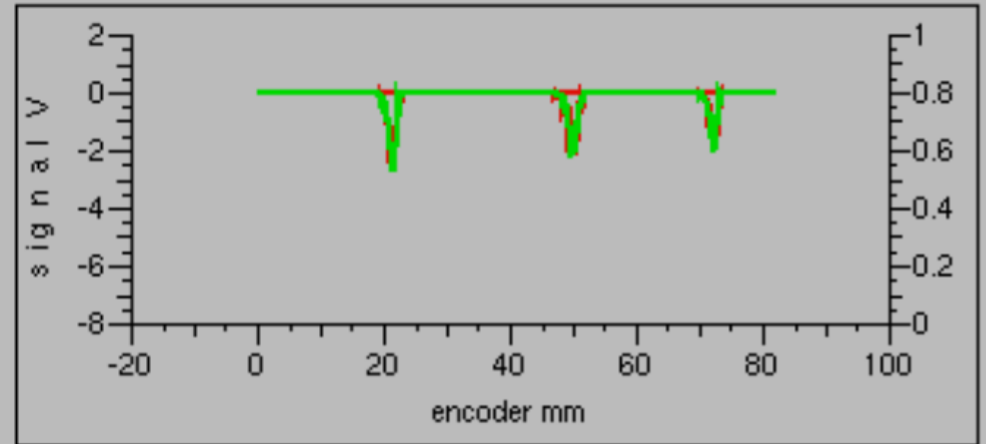
HELP

IHA1C07A



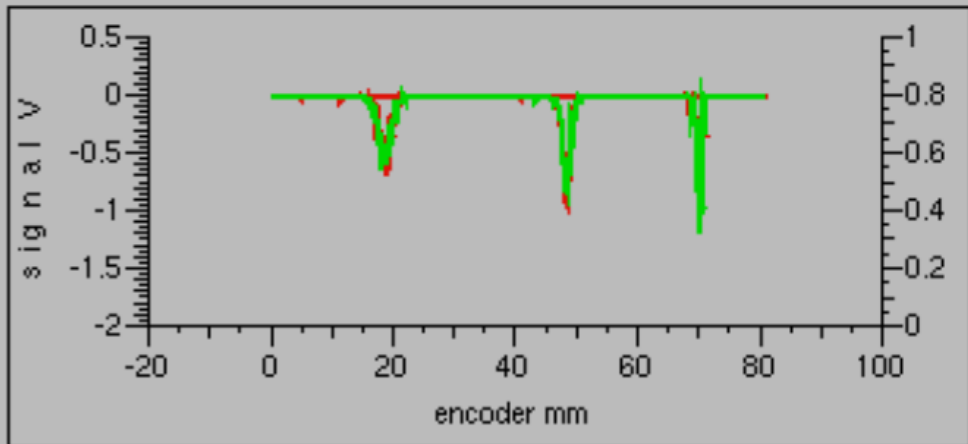
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IHA1C07B



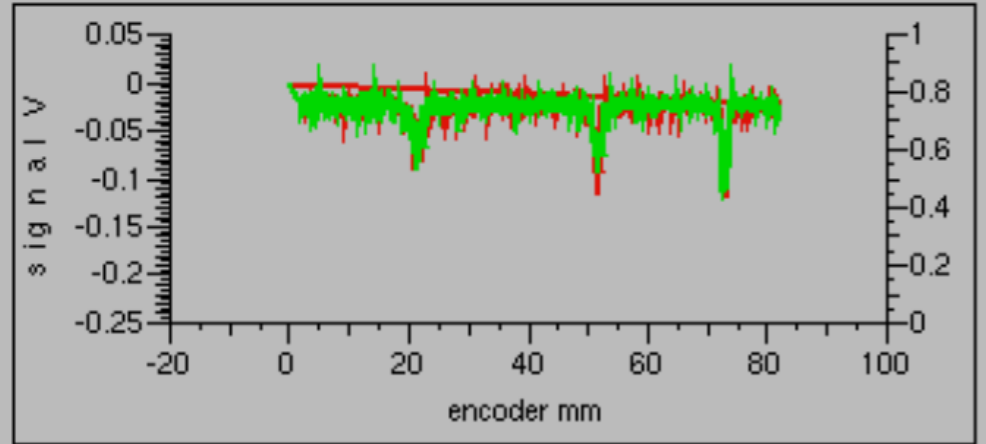
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IHA1C18A



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IHA1C18B



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Monday, May 4

Tasks

- Complete boiling studies
- White scan w/ LHRS at 25 deg
- Go to controlled access in case beam for Compton studies

Issues

- MCC accidentally drops hall to restricted access