# Linac Status

D. Raparia

May 26, 2015
Time  Meeting

# Status

- Linac running in good condition for polarized proton program and BLIP

- OPPIS polarization is back up to 82-83% by conditioning deflection plate

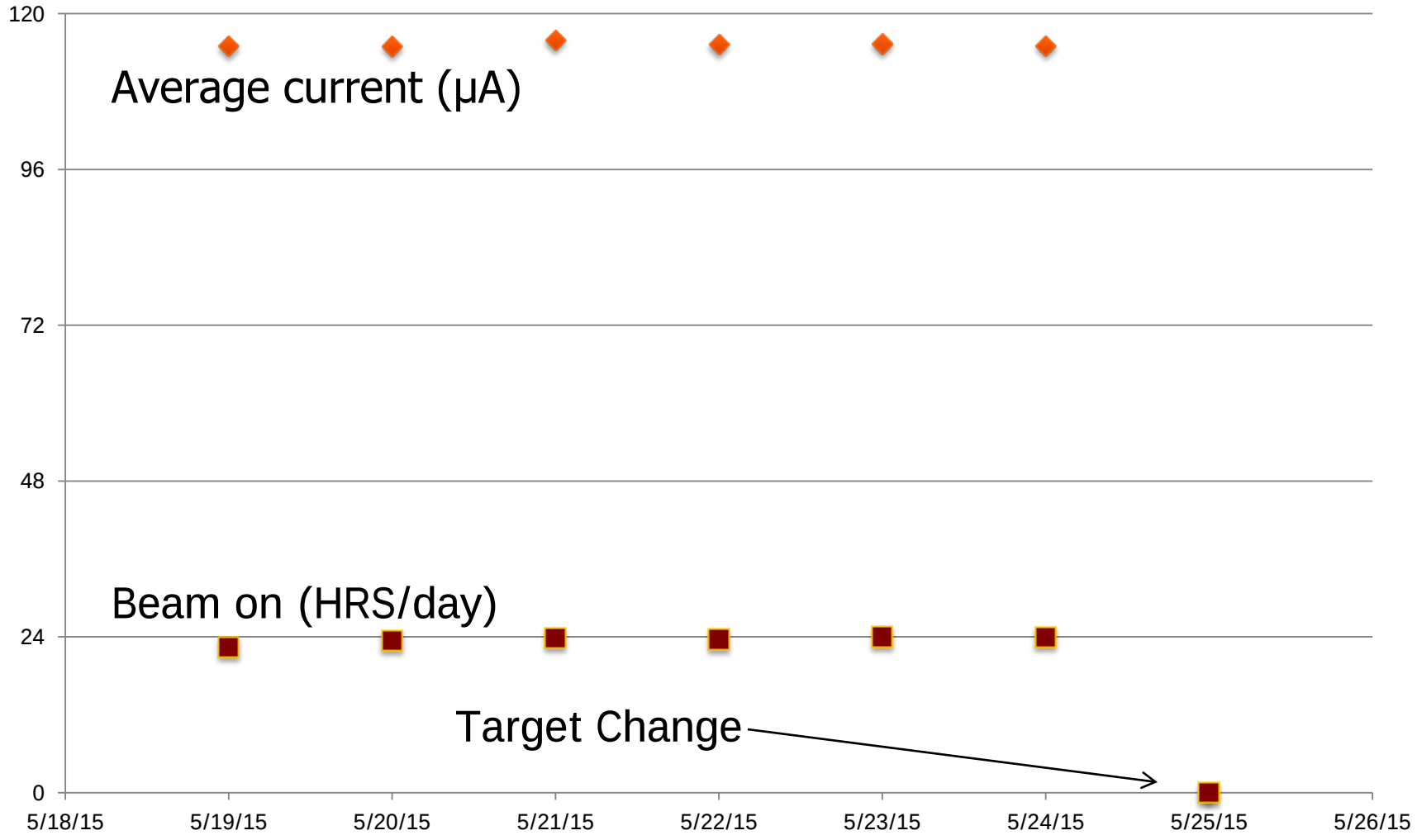
- Mod-3 driver has not trip since last Wednesday

- 200 MeV run for BLIP June 4-June14



D. Raparia

# Average Current and Beam on HRS for BLIP






D. Raparia

BROOKHAVEN NATIONAL LABORATORY

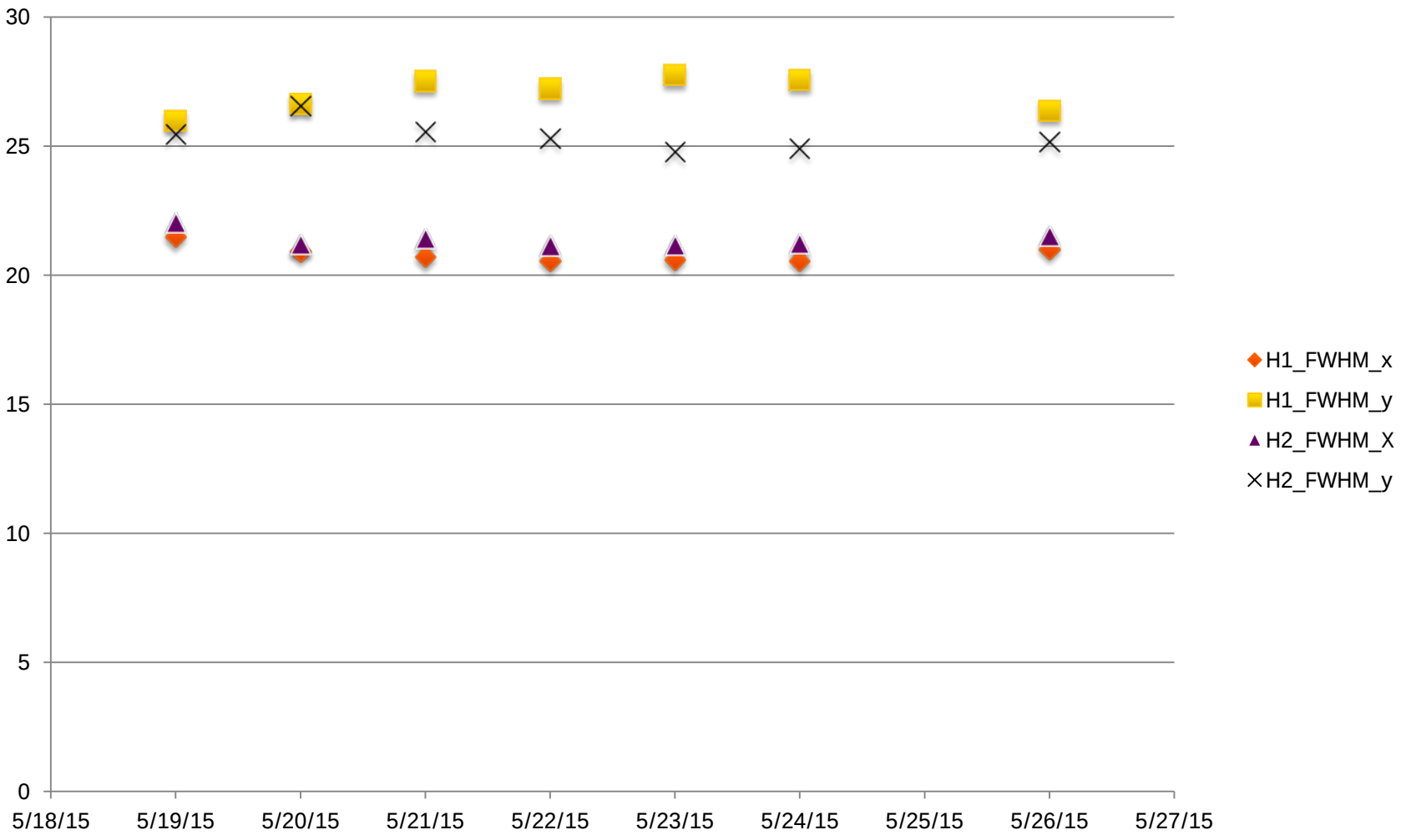
# Mod-3 Driver trips

- Replaced SCR fan
- Paced 100 uF cap across air flow switch,
- Replace driver cart
- Replace filament bias power supply
- Replaced air flow switch
- Bypass “4616 bias fault” , to get fault below
  - Jennings fault, rewire Jennings switch
  - Adjusted Filament bias voltage
  - replace 5kW Amplifier with 6751 tube



D. Raparia

# FWHM (mm) at Harp 1 and 2

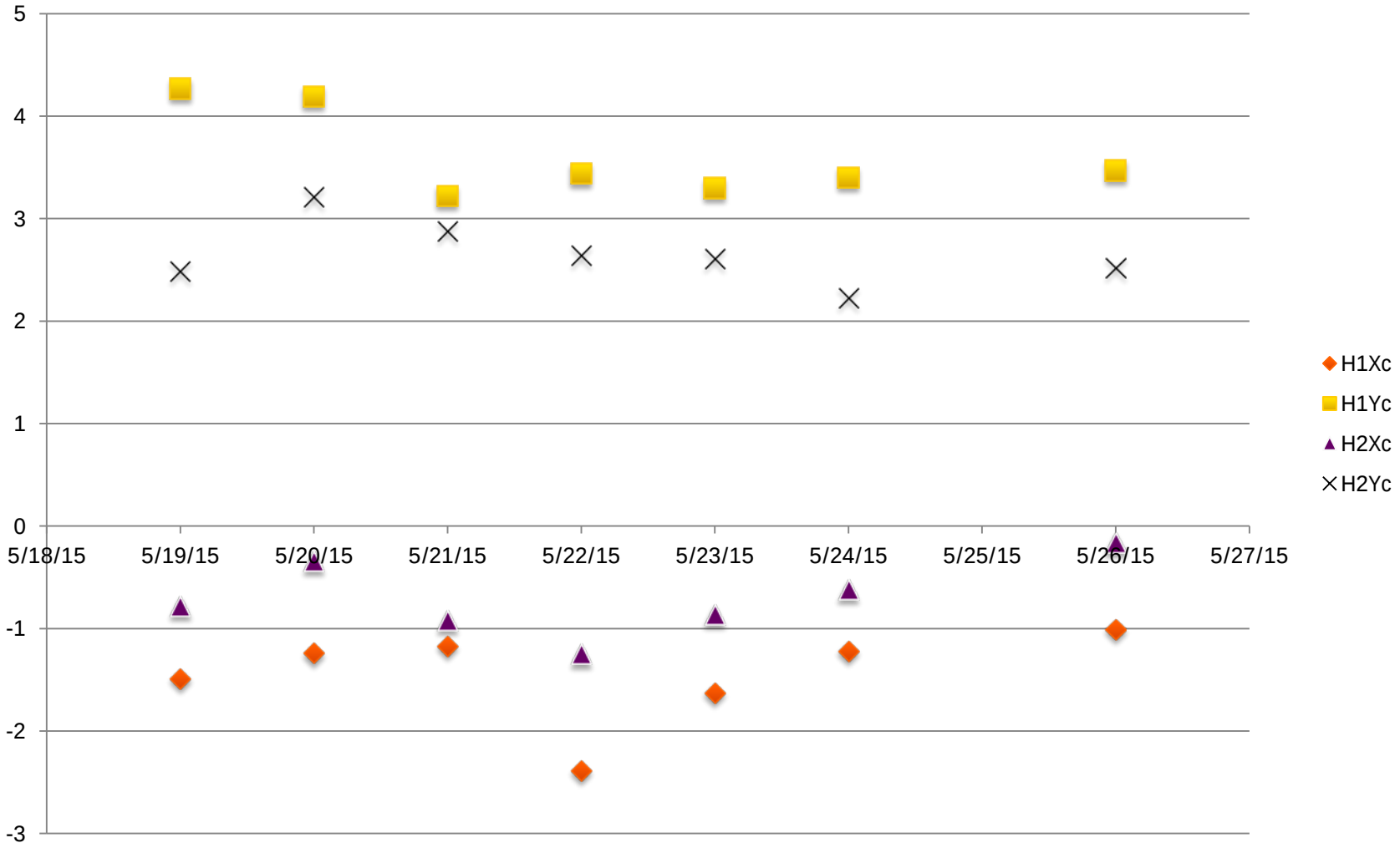





**D. Raparia**

BROOKHAVEN NATIONAL LABORATORY

# Beam Center (mm) at Harp1 and 2

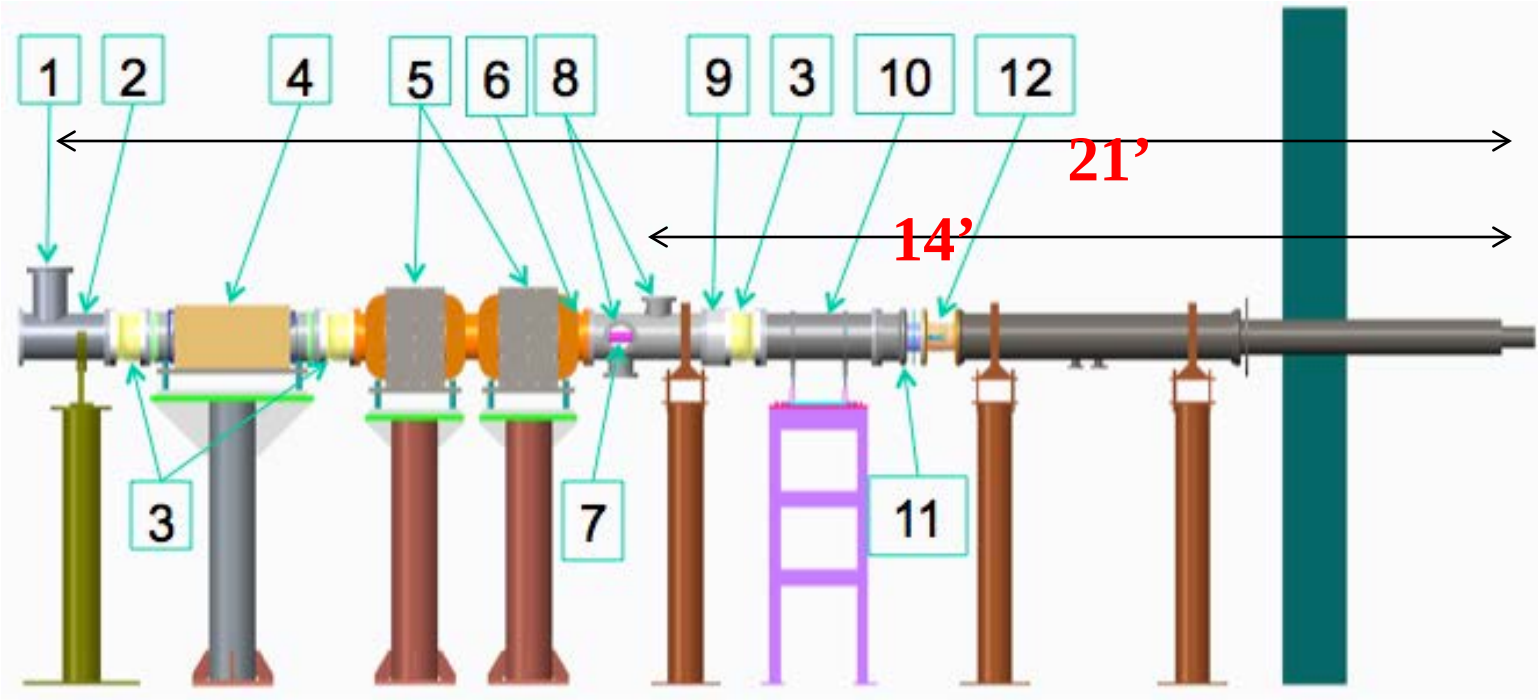





D. Raparia

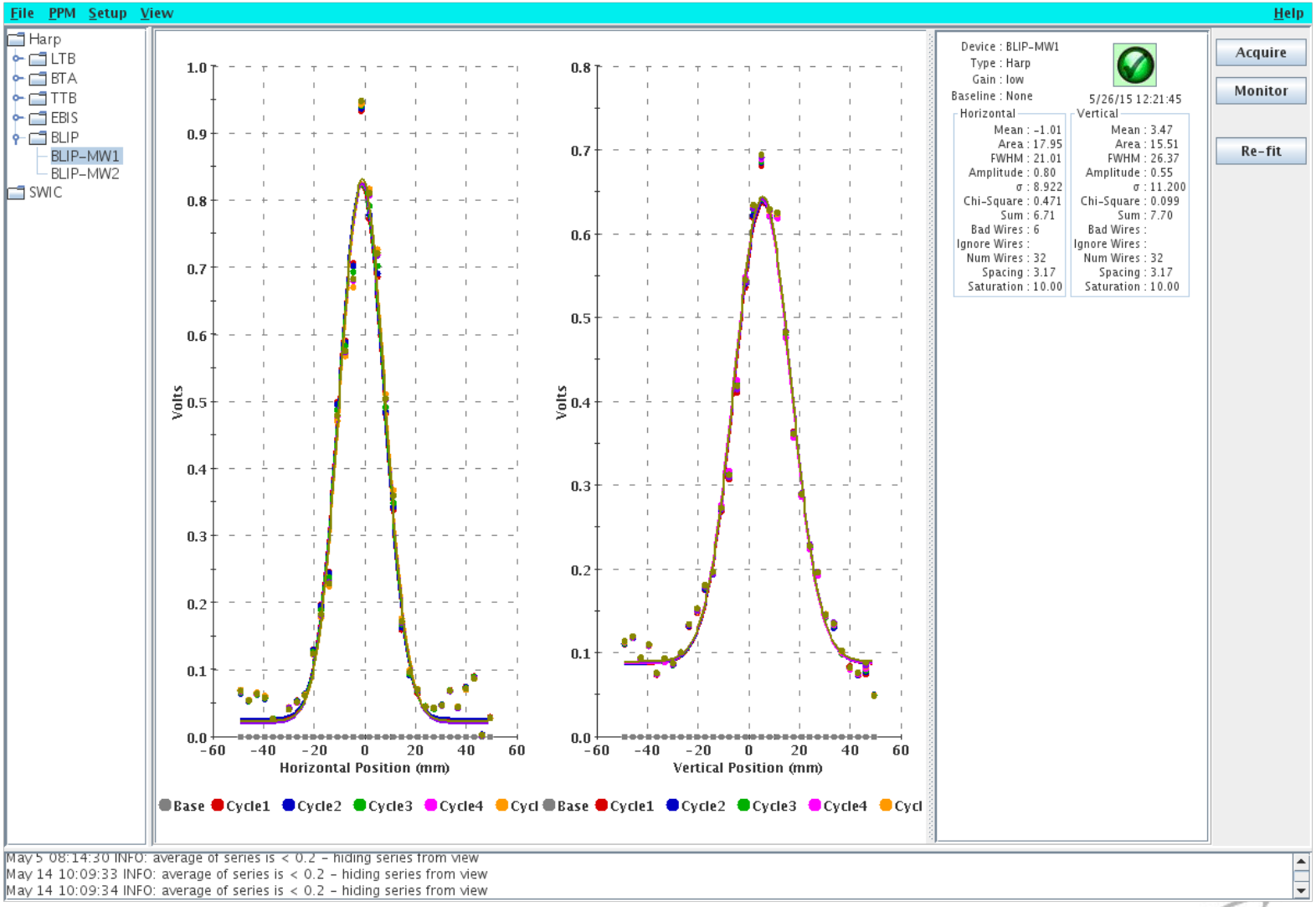
BROOKHAVEN NATIONAL LABORATORY

# Beamline Location




1. plunging harp
2. 6.50” collimator
3. bellows (3x)
4. raster magnet
5. steering magnets (existing, 2x)
6. 4.00” collimator
7. plunging harp (opposite side)
8. laser profile monitor
9. beam current transformers (2x)
10. beam position monitor
11. beryllium window (existing)
12. aluminum bellows (existing)

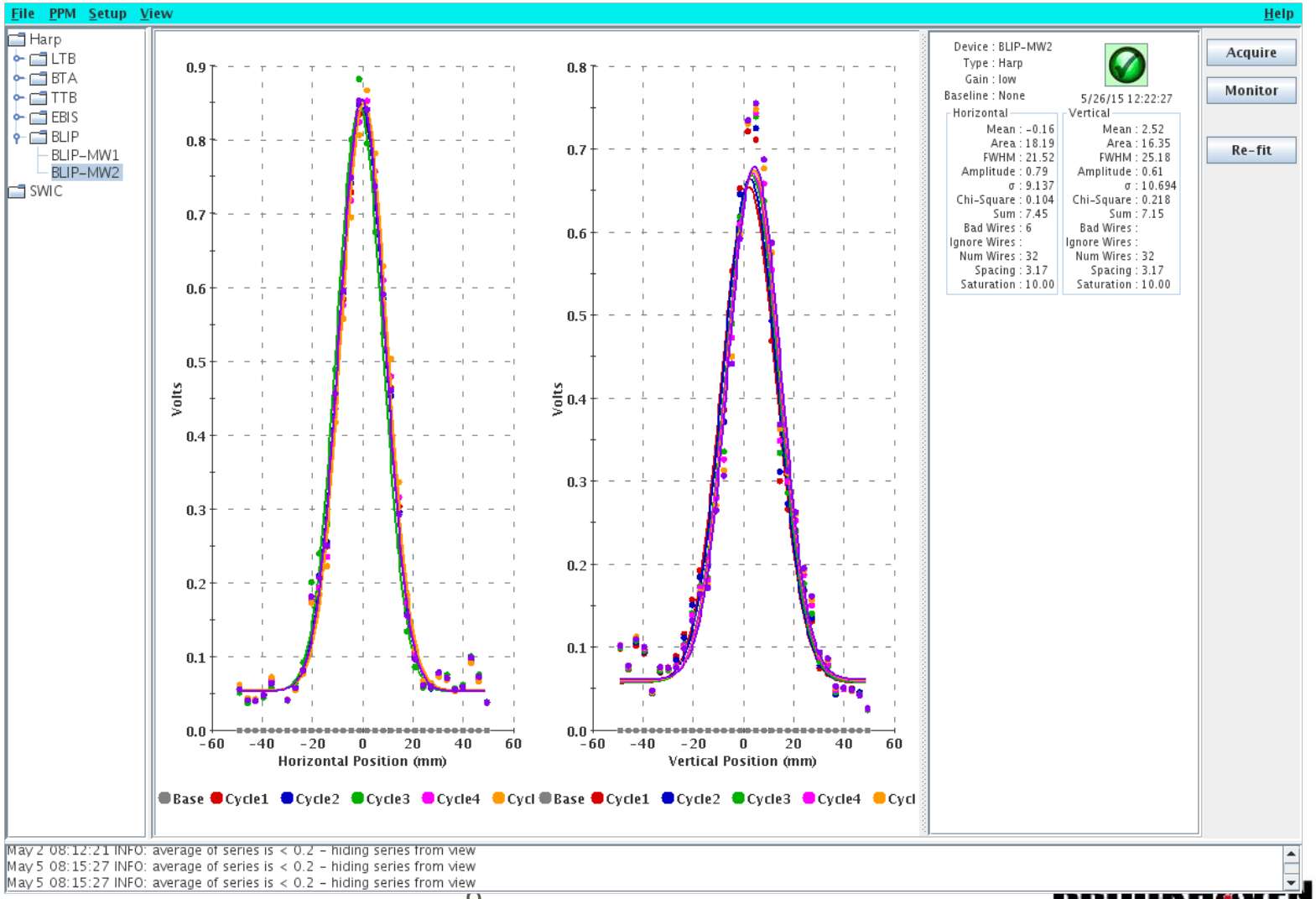
# HARP1






D. Raparia

# HARP2






D. Raparia