Linac Status

D. Raparia

April 28, 2015
Time Meeting

Status

- Linac running in good condition for polarized proton and BLIP

-Last Thursday; Scandium target failure/ Sr-82 target change (27 HRS)

- Maintenance (04/27/2015): < 9HRS)
  - Collect water sample of tank 7 for analysis
  - Install 5 kW solid state amplifier in Mod 8

    etc

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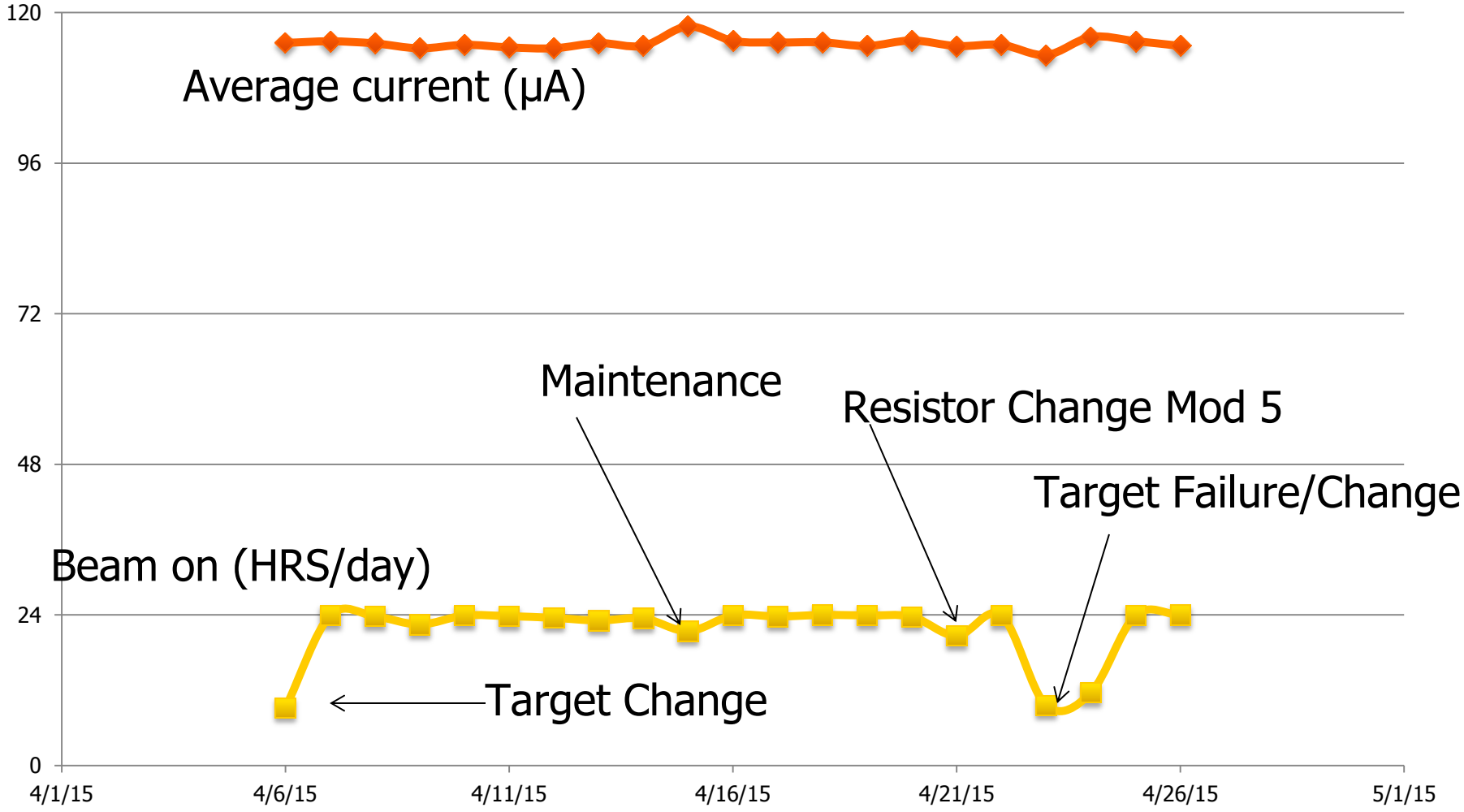
Average Current and Beam on HRS for BLIP



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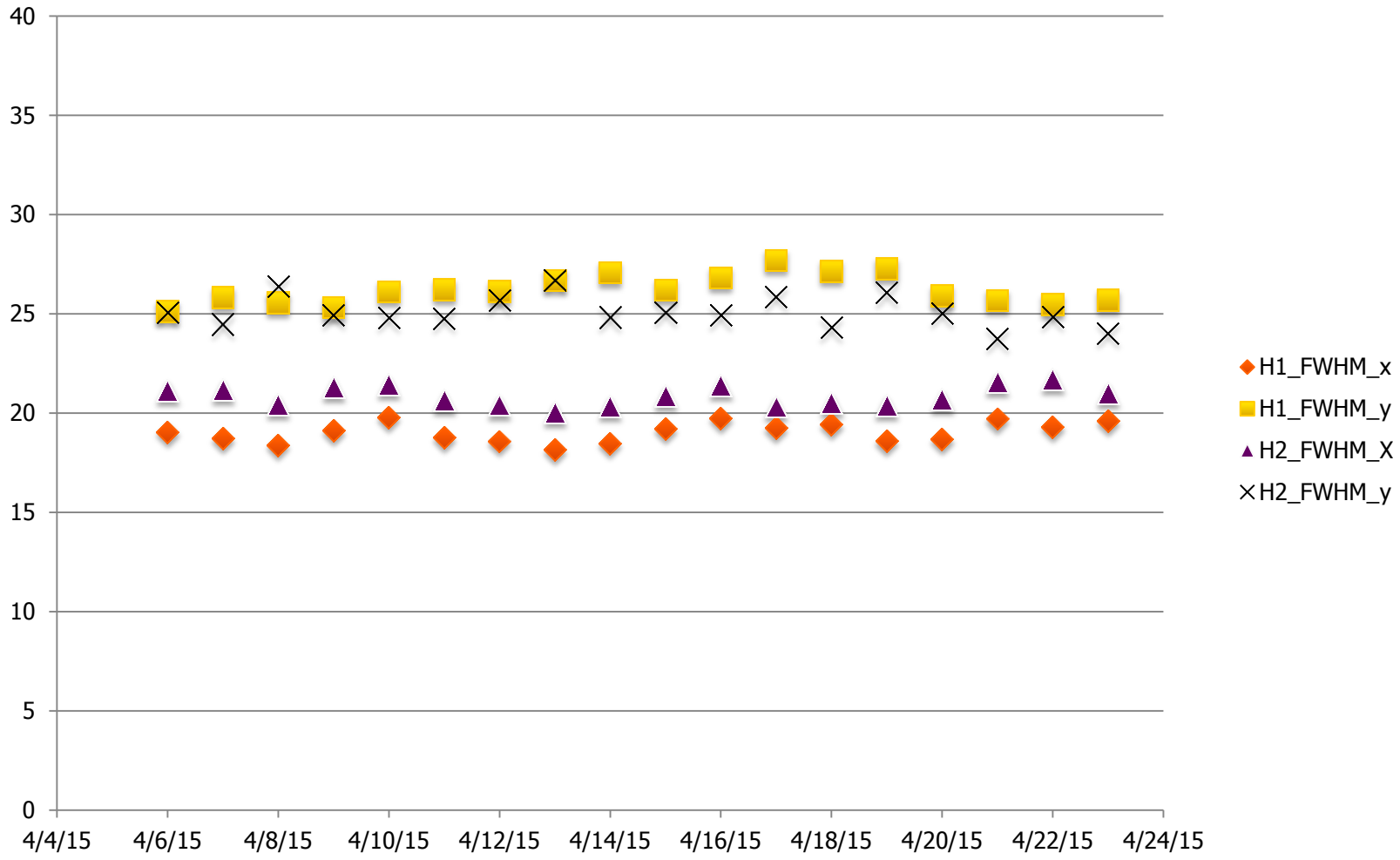
FWHM (mm) at Harp 1 and 2



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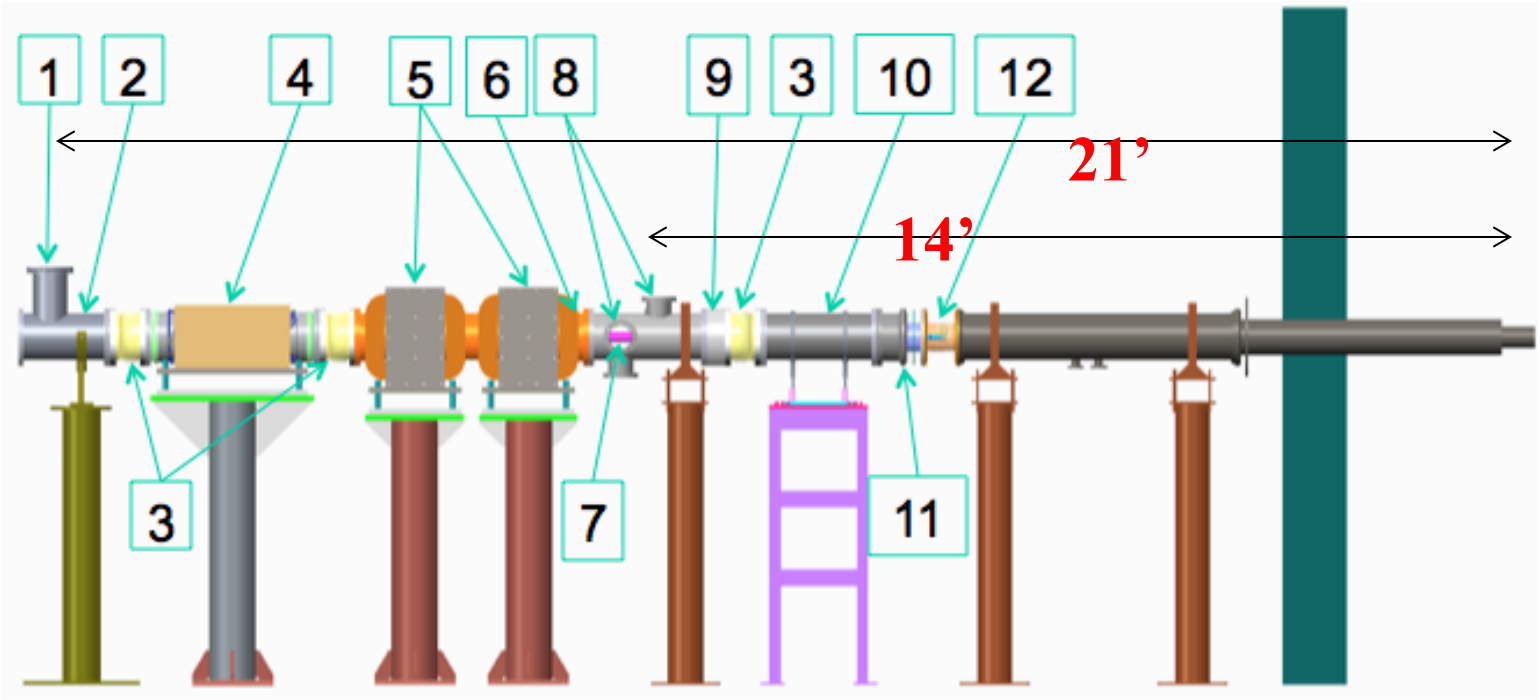
Beamline Location



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)

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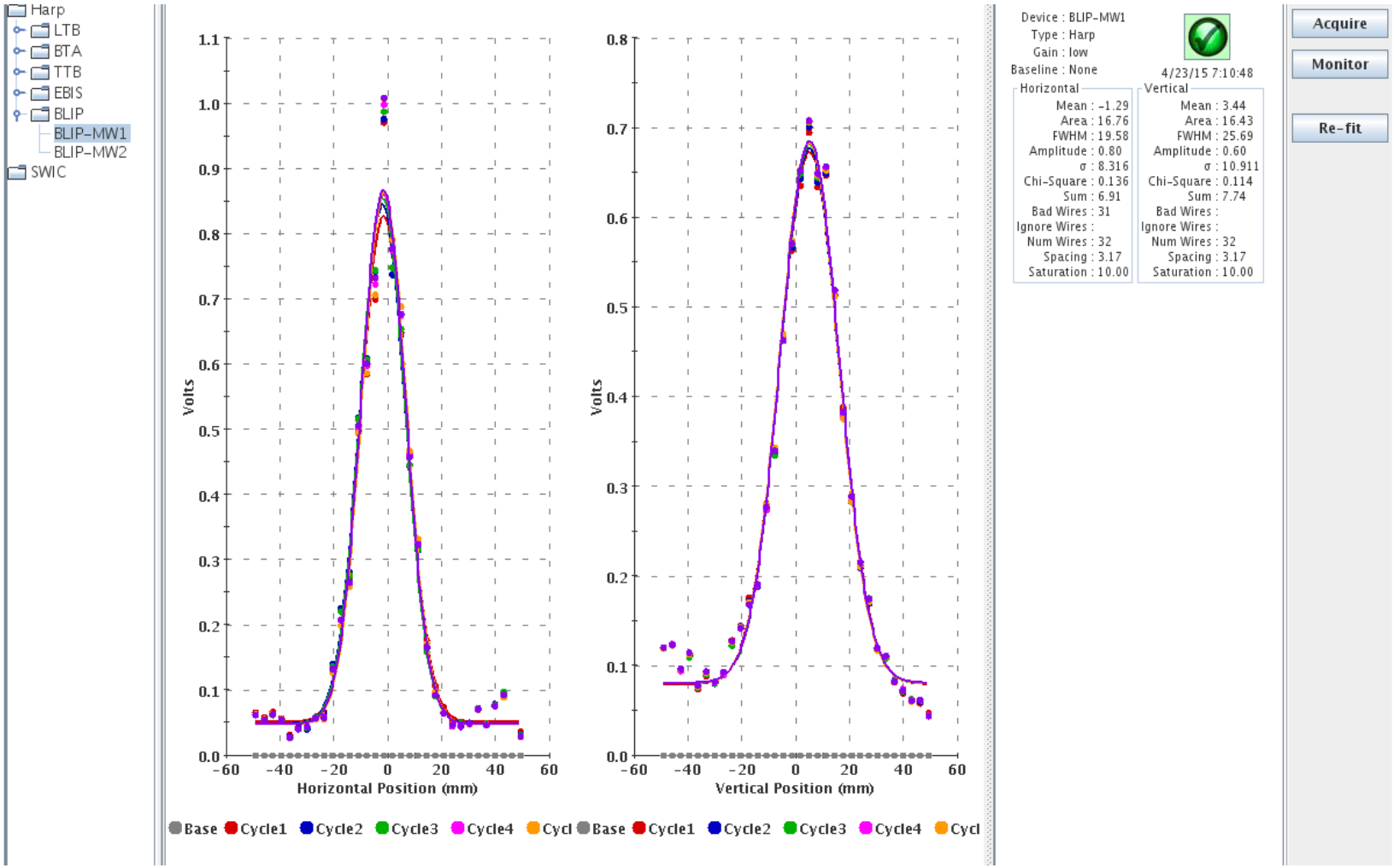
HARP1



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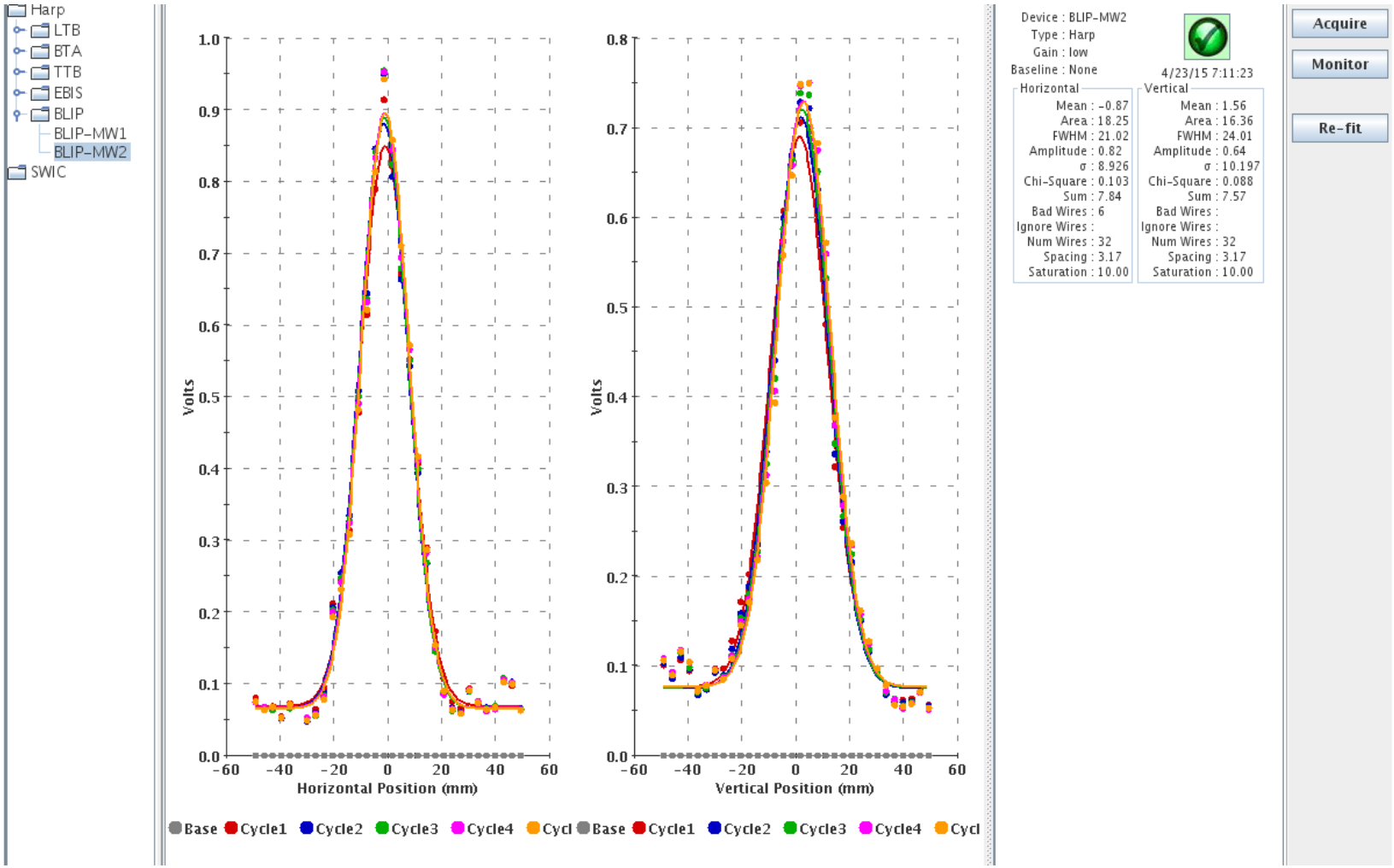
HARP2



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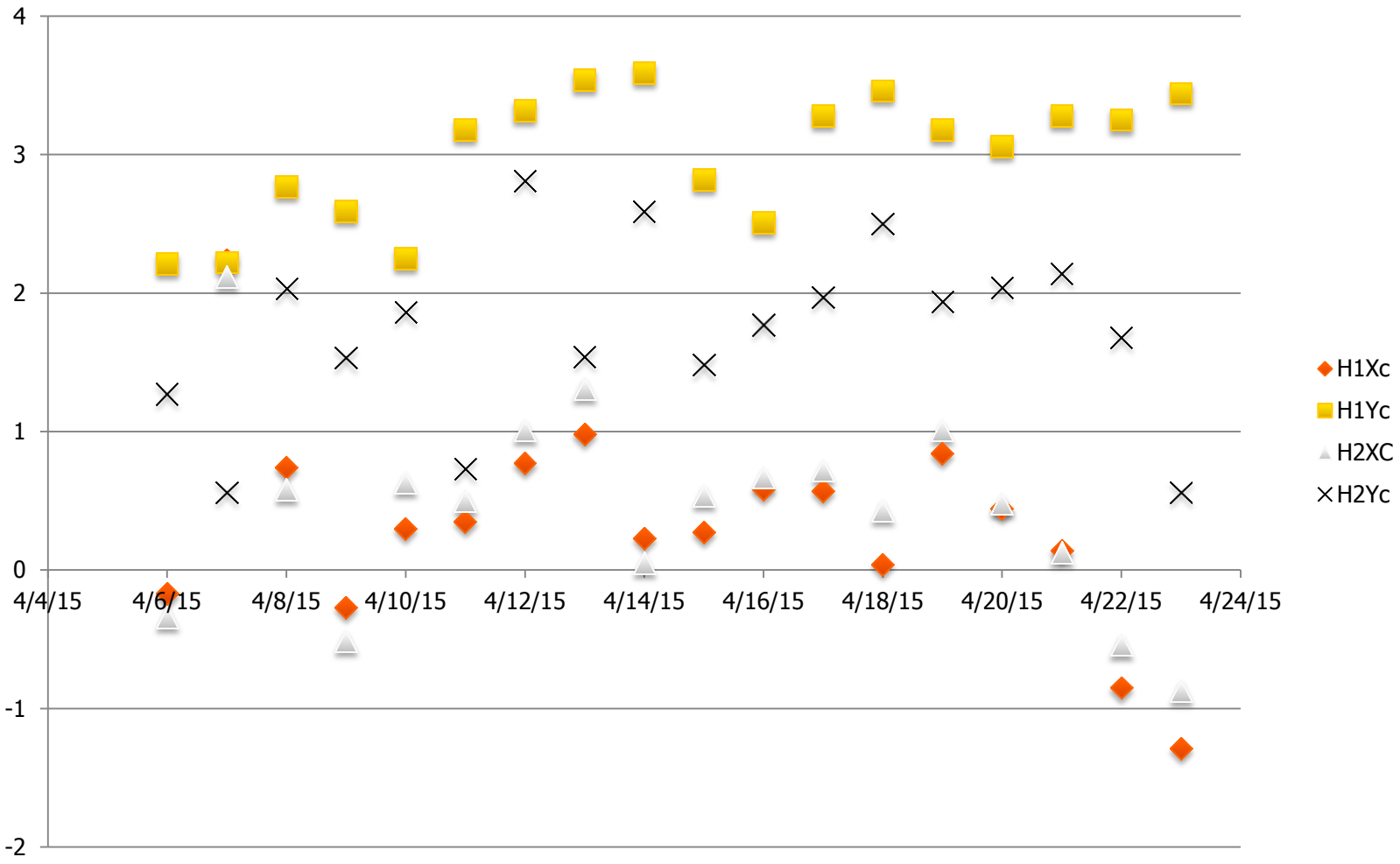
Beam Center (mm) at Harp1 and 2



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