Preinjectors Status

D. Raparia

June 14, 2016
Time Meeting

Tandem Status

- Running smoothly for D^+ (MP7)
- Change of cathode possibly today behind the store

- In case EBIS cathode heater fail

- Getting ready MP6 for D^+,
- D^+ is in the bypass line, being optimized

D. Raparia

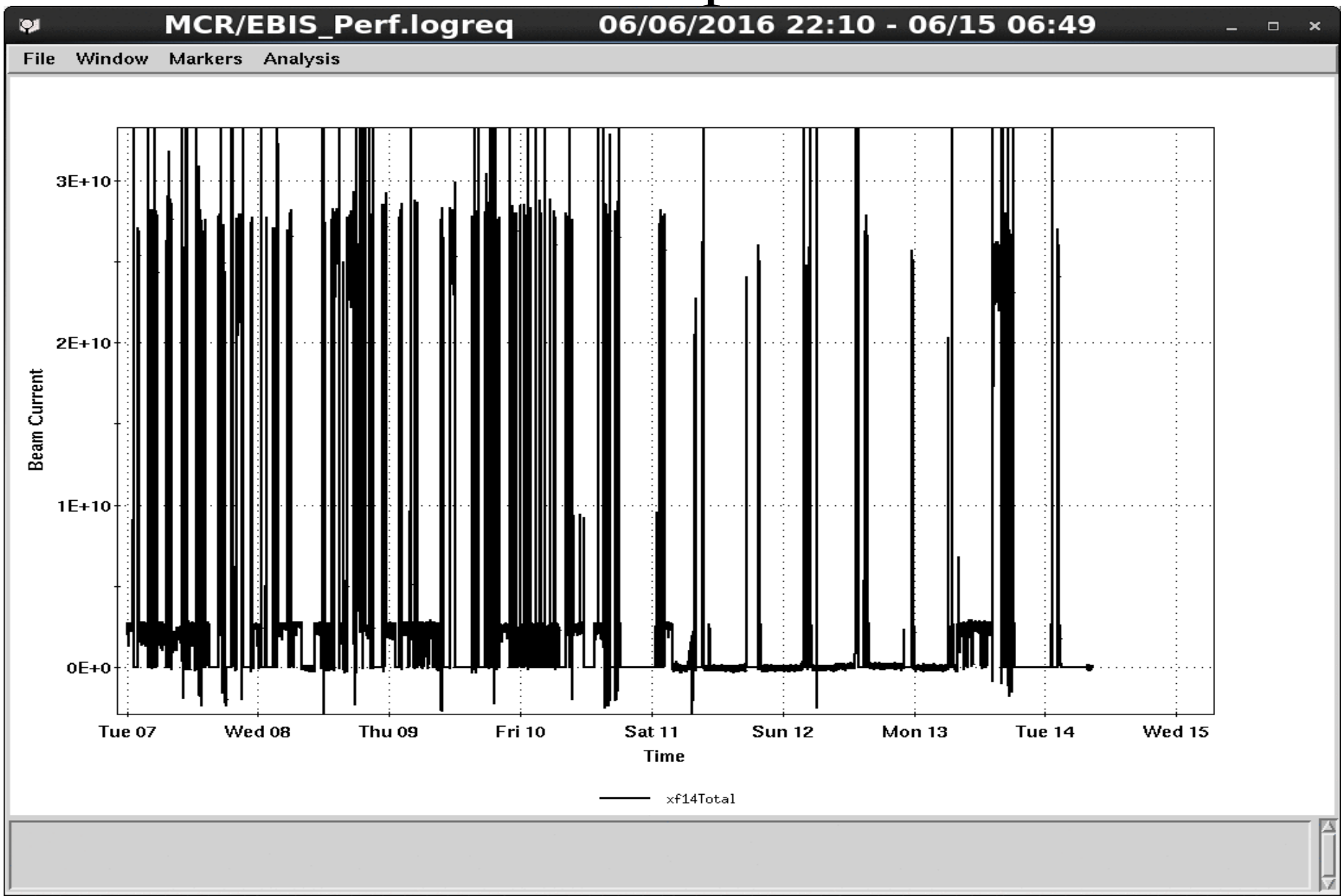
EBIS Status

- EBIS running smoothly Au with 12 pulses
- NSRL last week: Iron, Helium
- NSRL This week: Oxygen, Iron, Silicon

- EBIS cathode heater: Most likely it will last through the run

D. Raparia

Au at IH Linac for 12 pulses



Linac Status

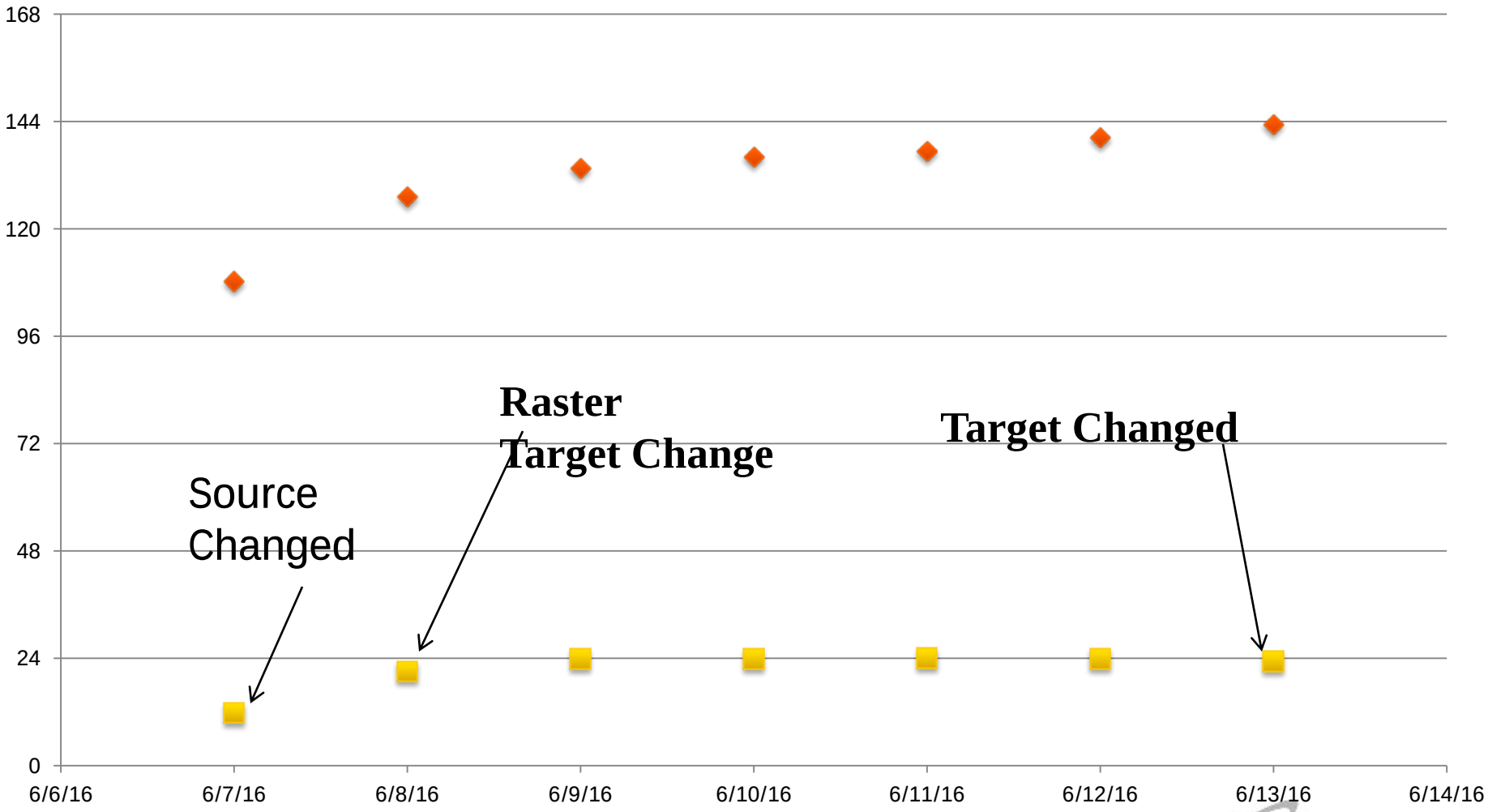
- Linac running smoothly for BLIP at 117 MeV BLIP at ~150 μA
- 06/13-14: H- @ 117 to booster for to NSRL
- 06/21,06/23: H-@117 to booster for NSRL
- 06/27-06/29: PP to booster
- 07/01-07/05: 200 MeV for BLIP @130 μA
- 07/05-07/29: 160 MeV for BLIP @130 μA

- 06/06-07: Change of source
- 06/07: GaAs target for 2 HRS @ 40 μA
- 06/08: Raster PS and target change(3Hrs)
- 06/13: Changed target (1 Hrs)

D. Raparia

Average Current for BLIP & Beam on HRS/day

Beam on 151.5 HRS out 168 HRS



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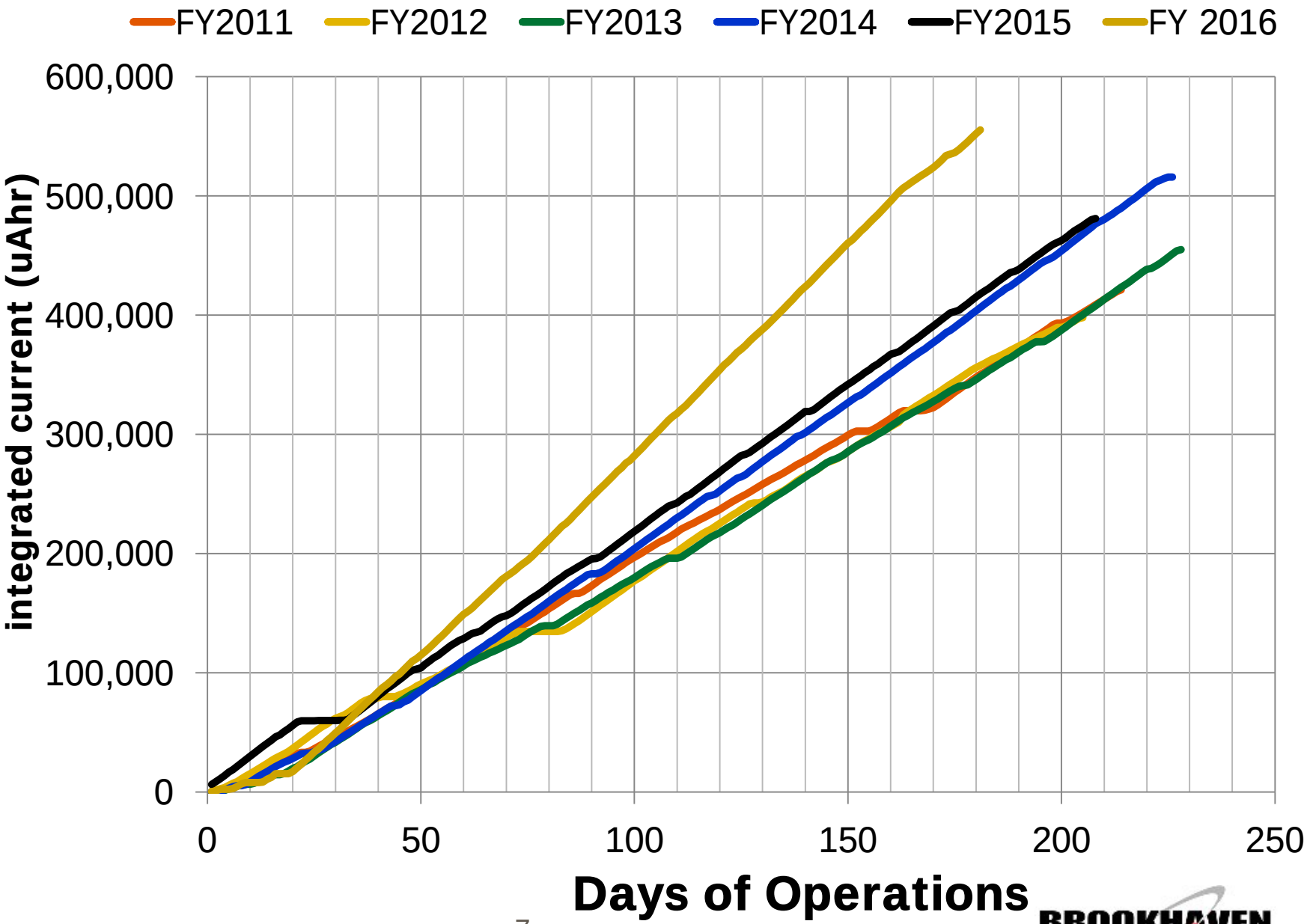
Comparison of Integrated Current for 2011-2015

J. Nelepa



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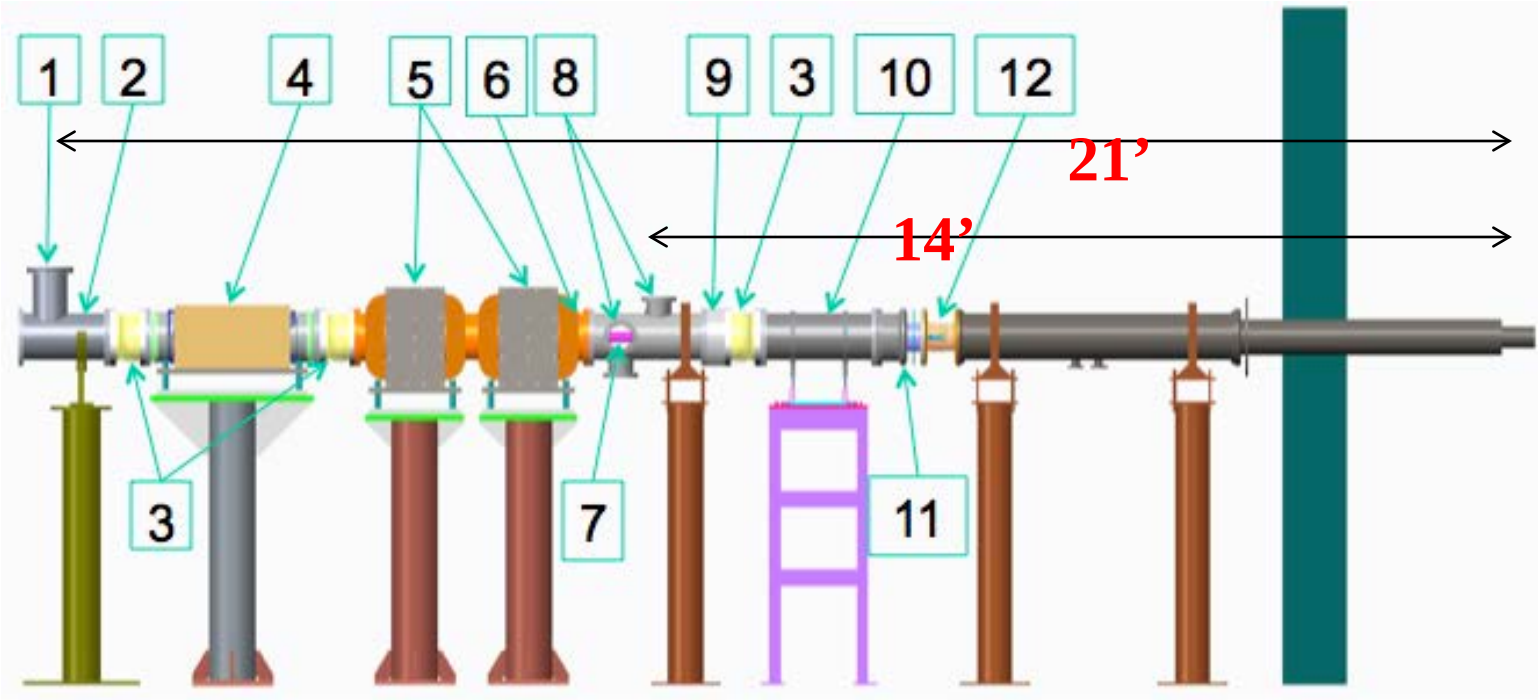
Beamline Location



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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