# Preinjectors Status

D. Raparia

April 19, 2016
Time  Meeting

# Tandem Status

- Last week some problem with Ru IS
- This week again will try Ru, 1000 μs long pulse, 12 pulses in TTB



D. Raparia

# EBIS Status

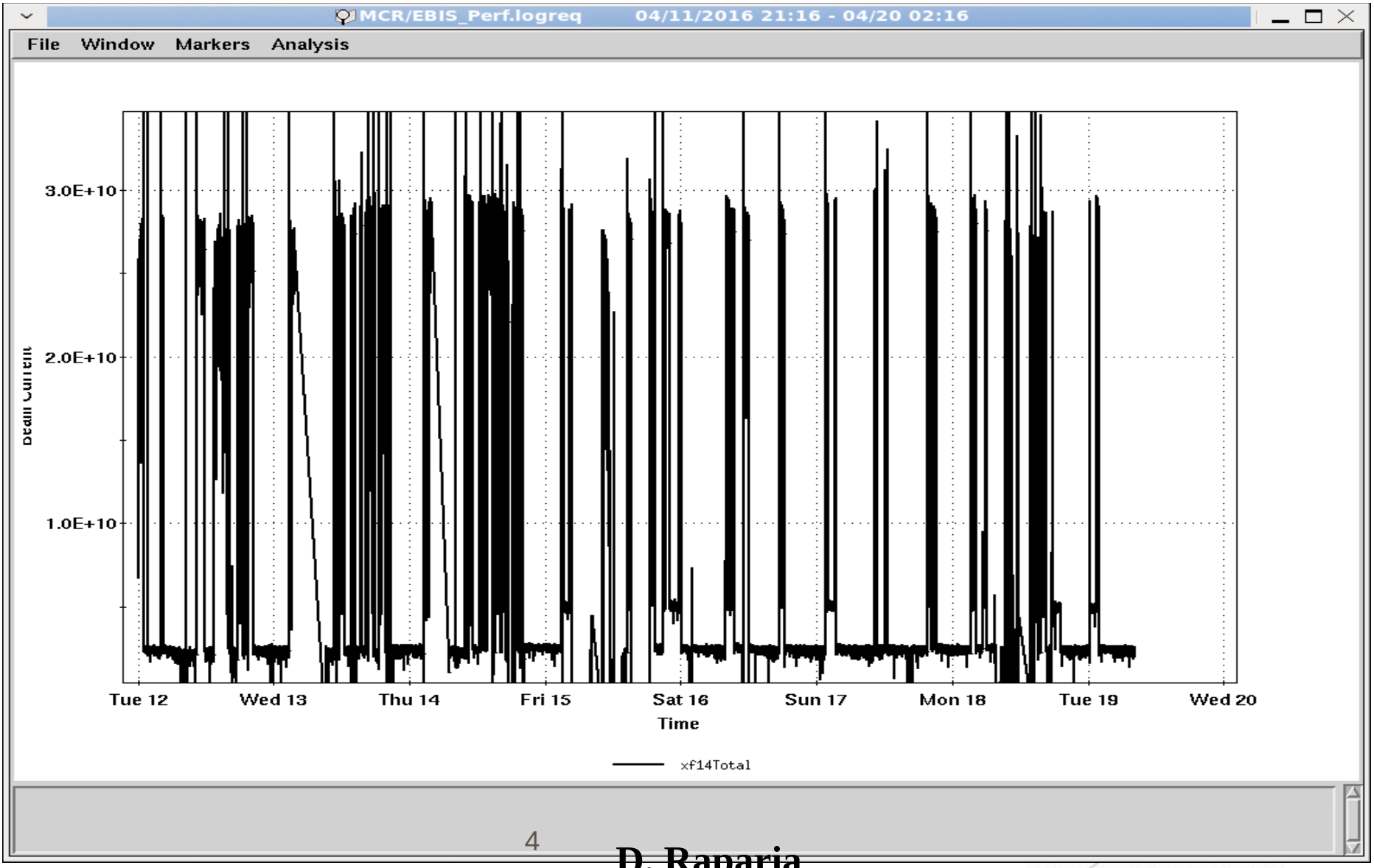
- EBIS running **smoothly** Au with 12 pulses
- NSRL last week: Oxygen, Calcium, Silicon
- NSRL this week: Silicon, Helium
- Successfully injected 300 keV/u Silicon into Booster to simulate 2 MeV proton injection

- After Calcium run, it is suspected Calcium is coated on the lens
- Laser 3: change flash lamp, optics
- Au running Laser 2 x/y , Hallow cathode is also ready



**D. Raparia**

# Au at IHLinac for 12 pulses



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# Linac Status

- Linac running for  BLIP at 117 MeV  BLIP at 155 -160 uA
- 4/19-4/20: Proton for NSRL @  117 MeV
- 4/19: 200 MeV to BLIP
- 4/21-4/22: 200 MeV PP

- 4/15: IS turbo controller (4 HRS)
- 4/18:Maintenance (6 HRS)

  LTP 32 (twice)  and 4CW2500 for RF Mod 3

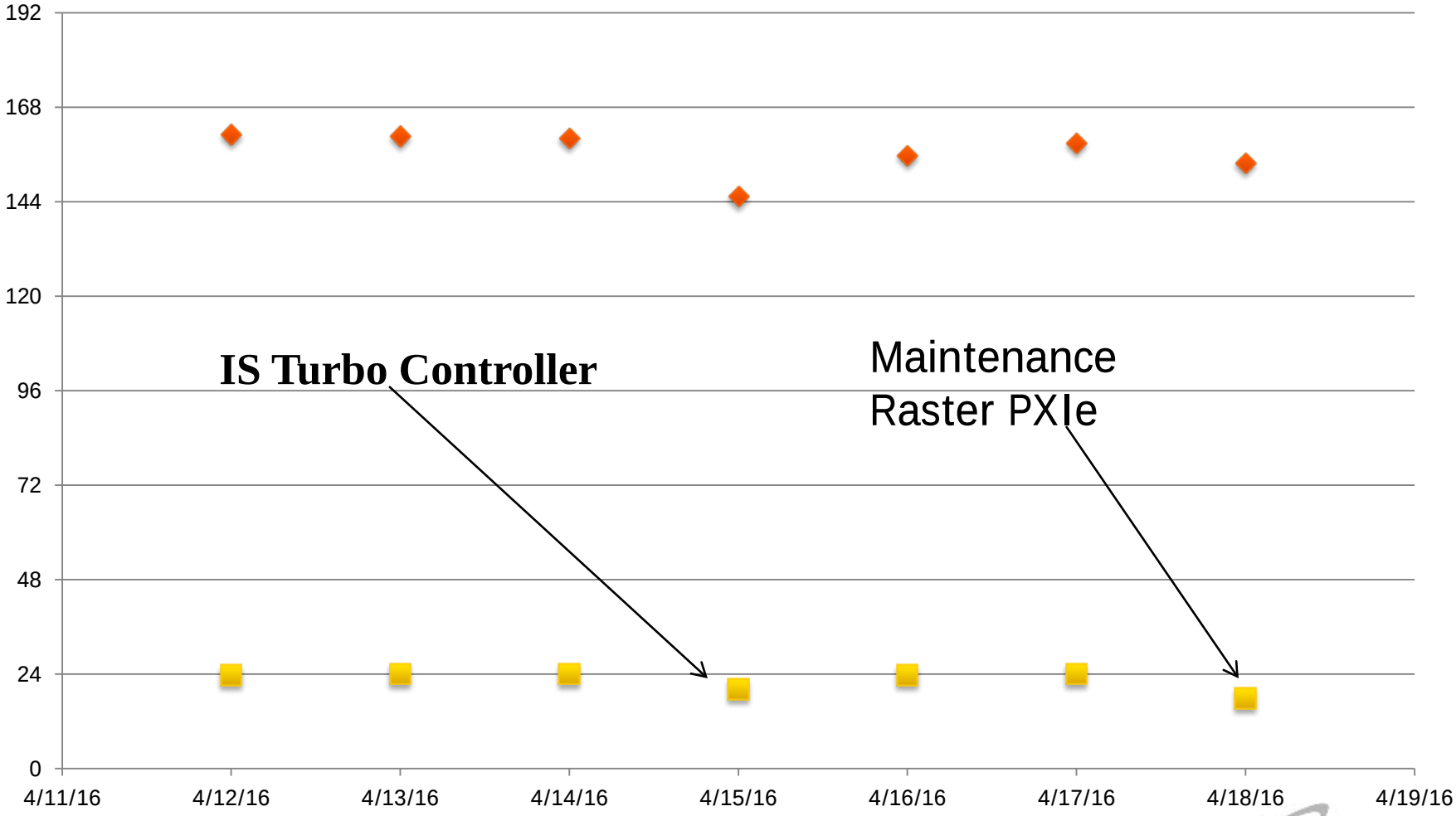
  Raster PXIe
- 4/18: Raster PXIe



D. Raparia

# Average Current for BLIP & Beam on HRS/day

**Beam on 157.3 HRS out 168 HRS**



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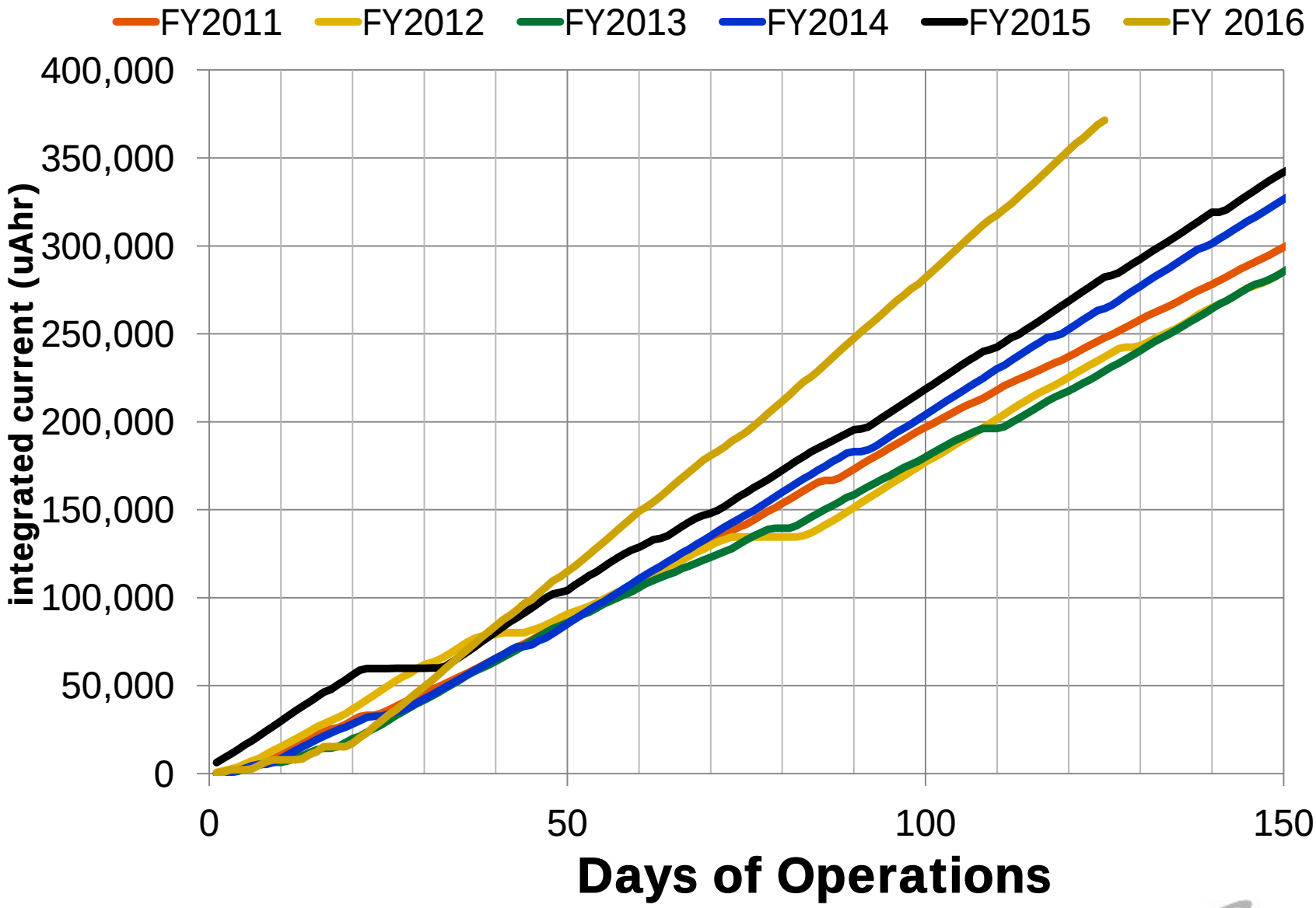
# Comparison of Integrated Current for 2011-2015

J. Nelepa



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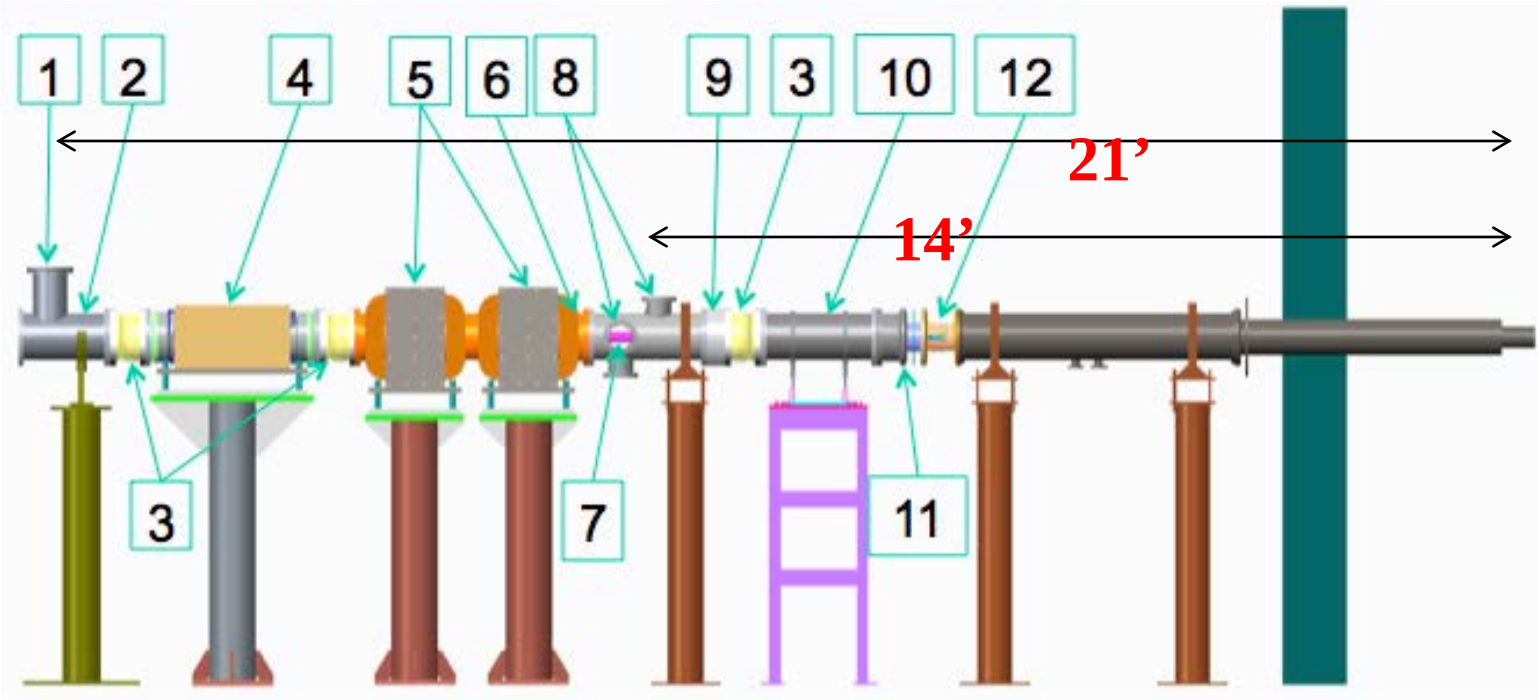
# Beamline Location




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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