

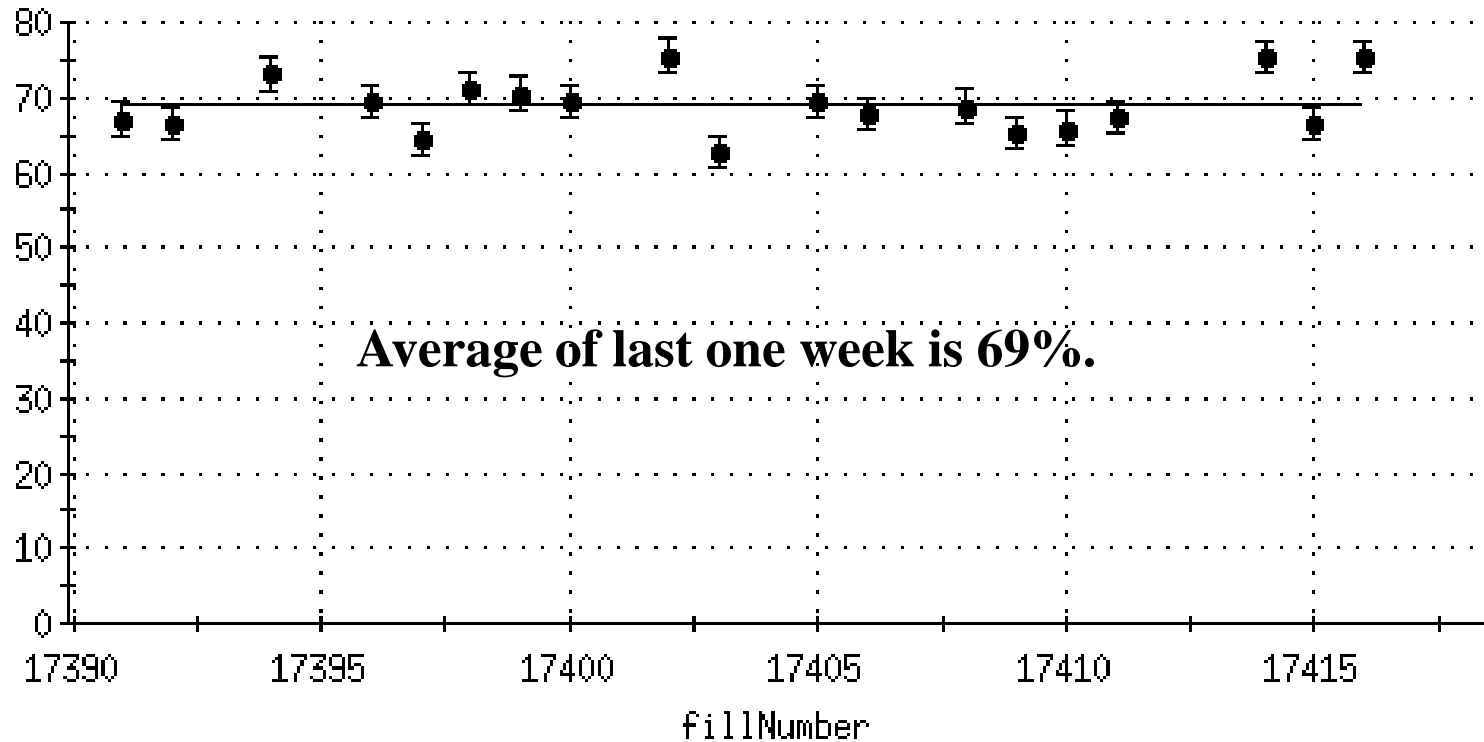
AGS/Booster PP Status

Haixin Huang

April 23, 2013
Time Meeting

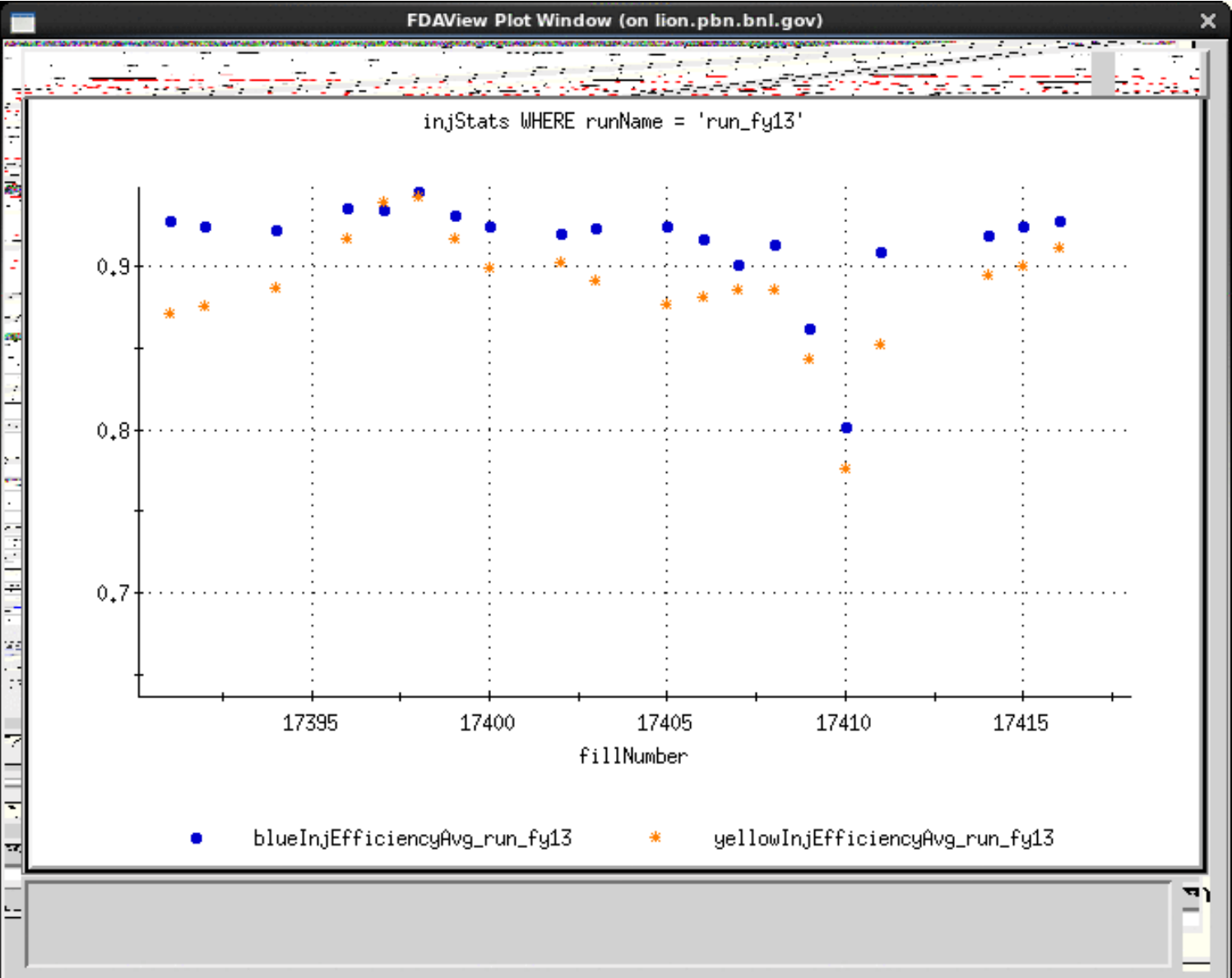
AGS Polarization for RHIC

injStats WHERE runName = 'run_fy13'



● agsPolT1_run_fy13 — 69.0453

AtR Efficiency Fixed after AGS Damper Fixed



Status

- Longitudinal emittance is reduced after RF group worked for injection match and transition crossing. No need to do quad pumping at AGS extraction anymore.
- Study of 300us vs. 200us pulse length. Not much difference in emittance and polarization.
- We tested Booster $h=2$ and $h=1$ after fixed AGS longitudinal emittance. The emittance growth on the AGS ramp seems correlated with AGS bunch intensity.
- AGS dampers were broken (probably gradually) on Sunday, it probably related to the poor AtR efficiency. The vertical one has been fixed yesterday.
- More polarization profile measurements done. We will continue to take them at different intensities.
- The currents for I5 and J5 jump quads are tuned individually to get them balanced (for emittance preservation).
- This week, we will work on 2.5GeV Au test behind RHIC store and NSRL operation.