

AGS/Booster Status

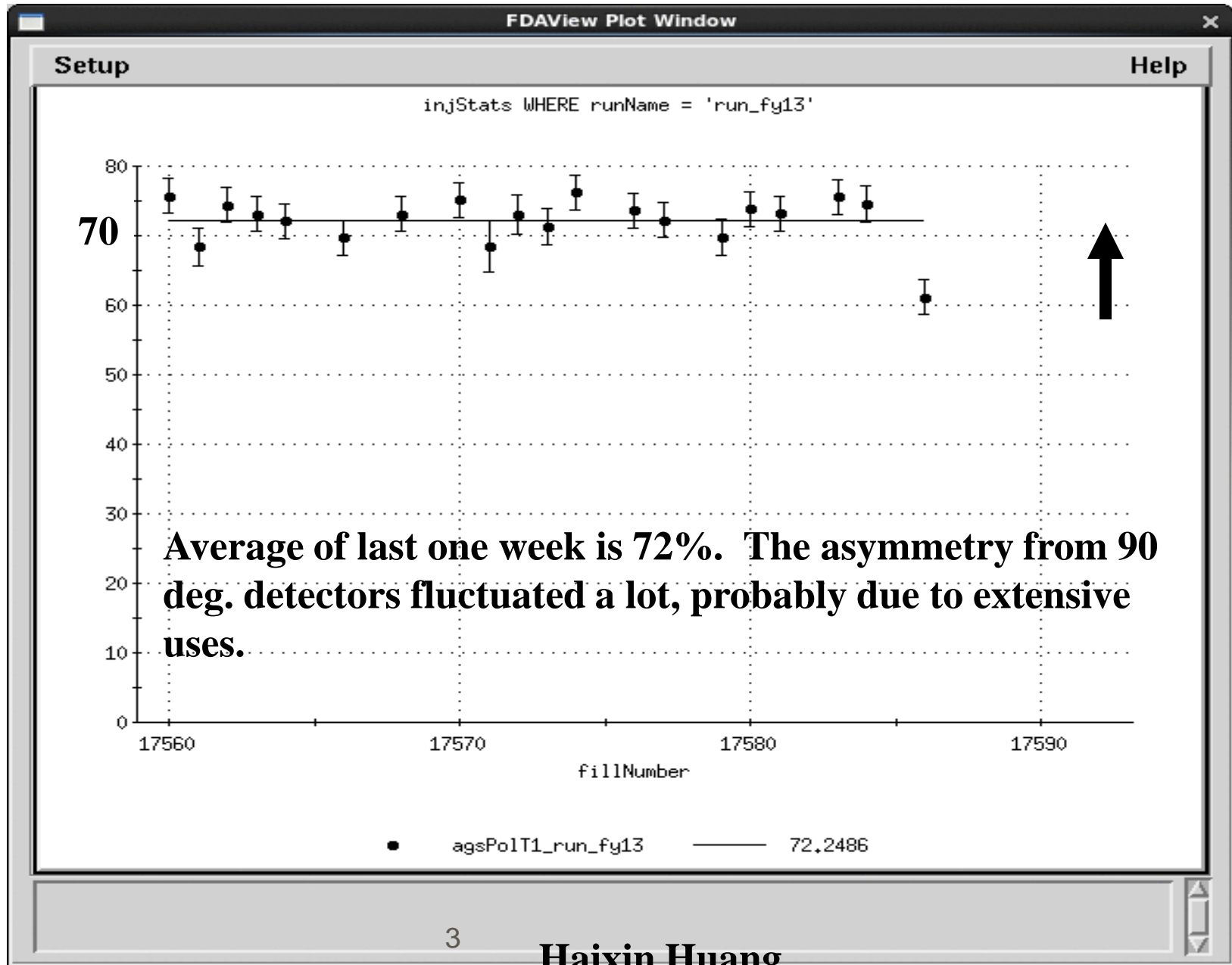
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June 4, 2013
Time Meeting

Status

- Continue to provide polarized beam for RHIC operation.
- The low energy (5.86GeV) has been extracted to the W dump with intensity as high as 9×10^{10} , ready for APEX tomorrow.
- Down ramp development: we have beam decelerated to injection with 1.4×10^{11} , but some beam is lost on the ramp. The vertical tune near injection on the down ramp still need to be tuned.
- Another set of tune jump timing was derived. Statistically, there is no difference from currently used timing function.
- New type of AGS IPM (eIPM) continues.

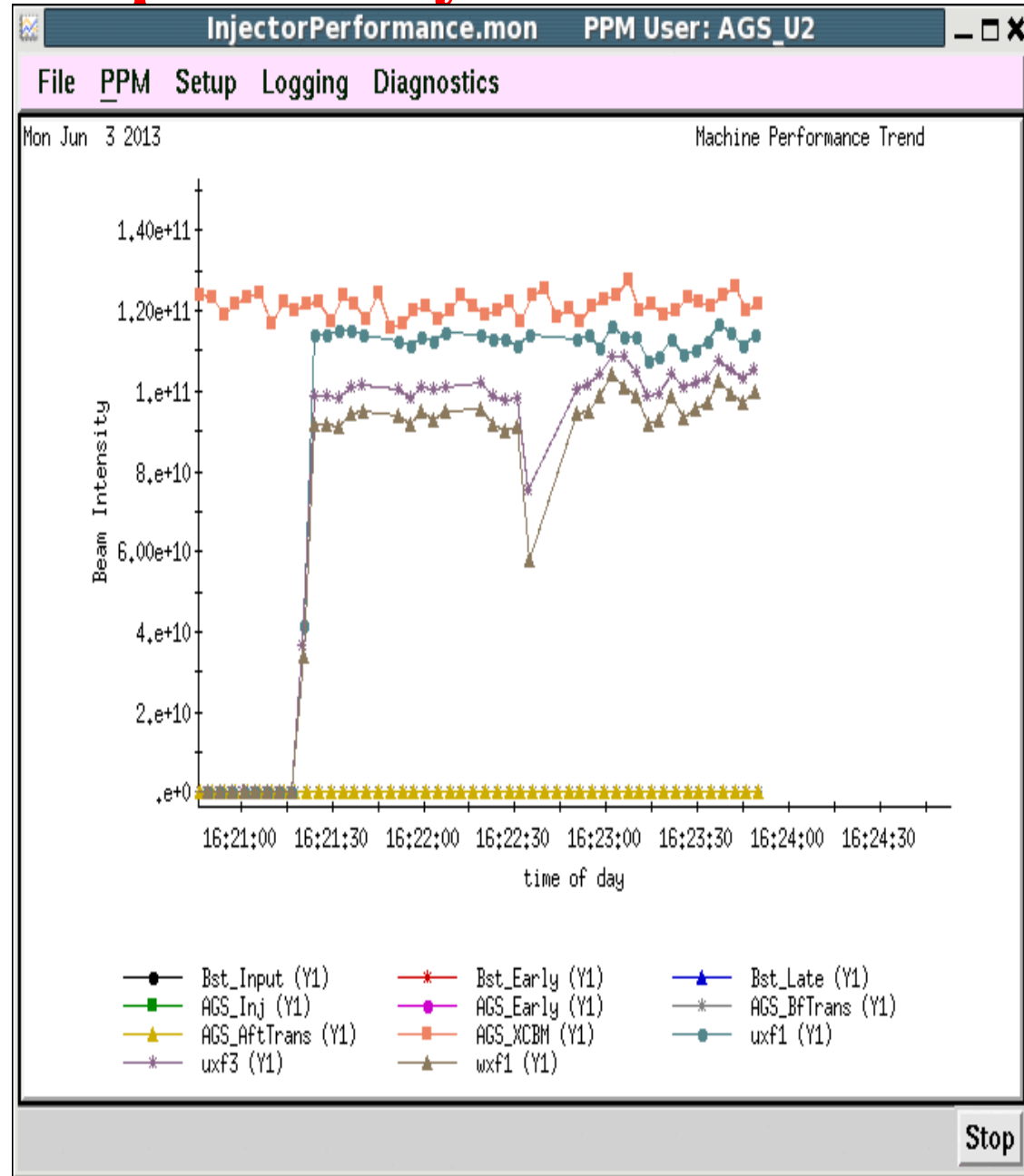
AGS Polarization for RHIC



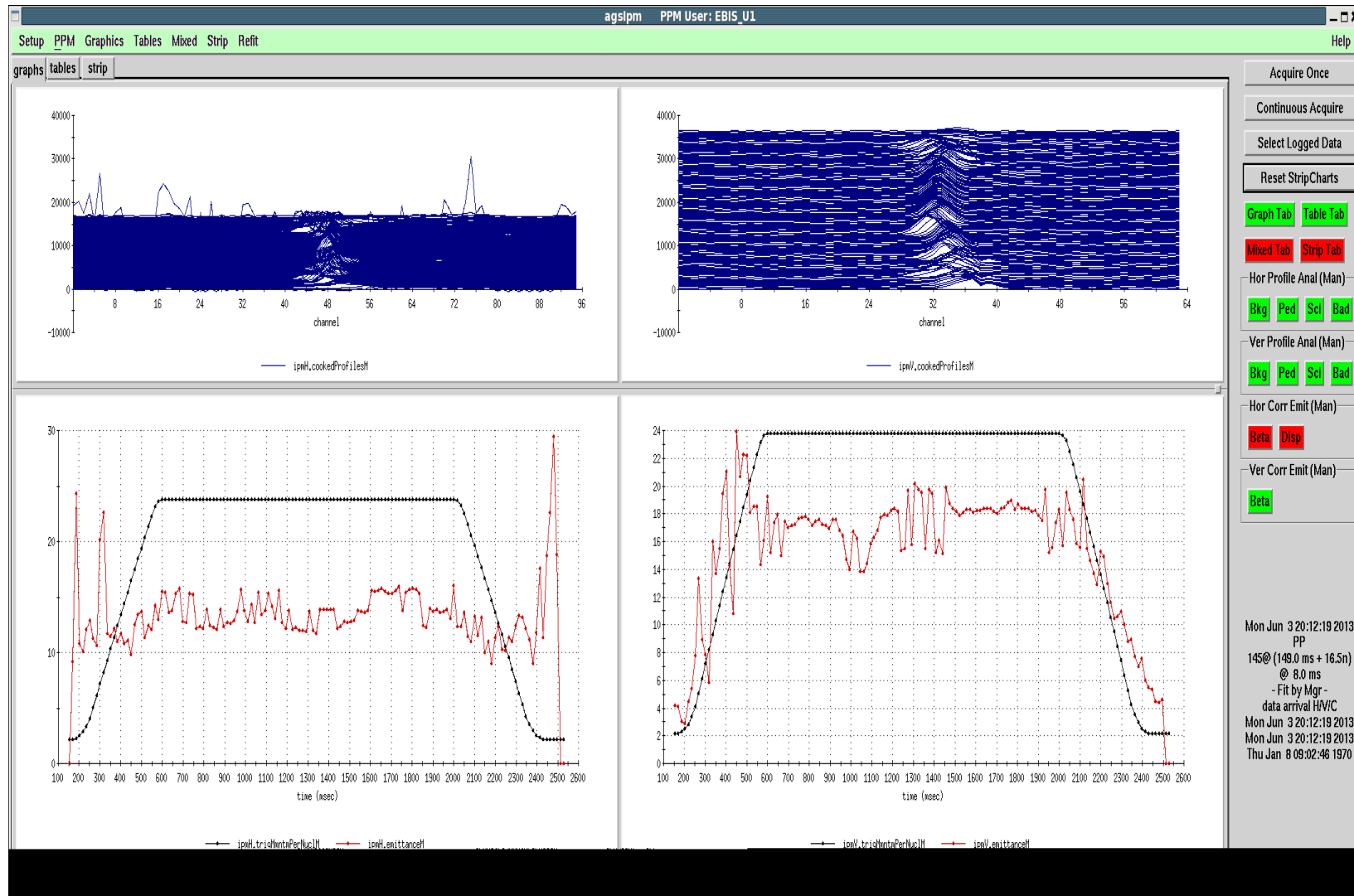
Low Energy Proton Setup is Ready

1. The low energy (5.86GeV) proton is ready.
2. The intensity of 9×10^{10} has been reached at W-dump, more than what is required for the APEX (5×10^{10}).
3. Only one G10 module is timed in the right window for this low energy.

Key people for the work: Keith for the AGS setup; Kevin, Freddy and Tom for RF; Vincent and Greg for the AtR setup.



AGS Down Ramp Development



It will be used for polarization and emittance measurements. Keith got beam survived down to injection, after Freddy's transition code change.