

AGS/Booster Status

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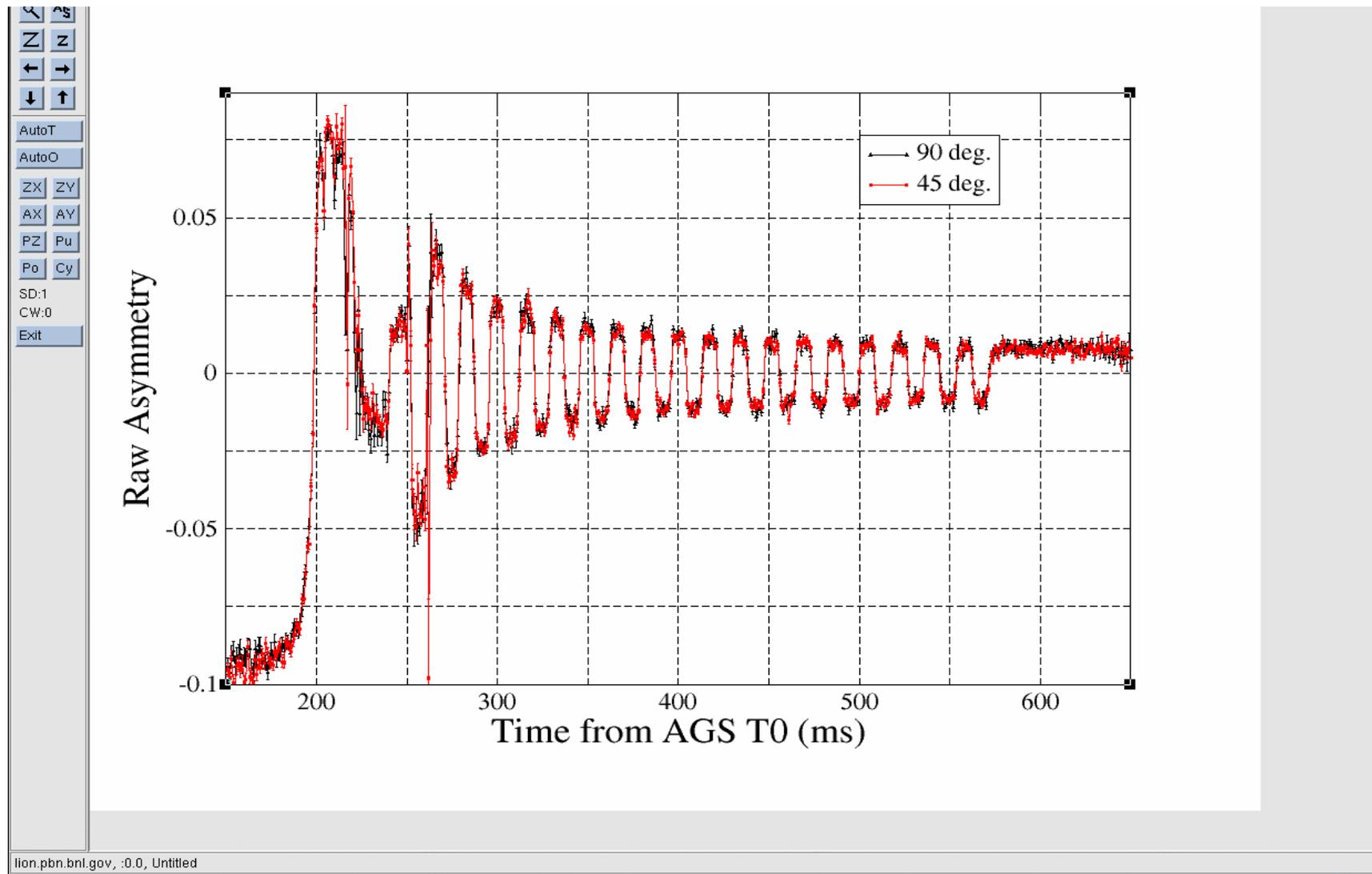
May 20, 2014
Time Meeting

Status

- The RHIC down time reduced the available time for AGS pp development last week. We got ramp and profile measurements done. These are time consuming but important measurements. We continue to take them this week in overnight shifts.
- eIPM can measure multiple profiles in one AGS cycle now. But it is still an expert only tool. Next week, the plan is to run both vertical and horizontal ones at injection for TBT measurement, beta function measurements at the eIPM locations and more. Gas leak for D15 does not work and will be fixed next week on maintenance day. D5 still requires attention for a slow leak.
- He3 development started yesterday. The RF cavity required for bunch merge from 4 to 2 did not work last night. RF group is working on it this morning. We can't run tomorrow due to APEX, but will run during 56MHz commissioning on Thursday.

First Ramp Measurement with Real Time Clock

This is going to be used as a cross check for jump quads timing determination.



eIPM Multiple Vertical Emittance Measurements in One AGS Cycle

Beam profiles are on the top; beam size and emittance (constant beta function is assumed) are in the bottom. The beta function will be measured to get the true emittance.

Done by Roger Connolly, Steve Tepikian, Rob Michnoff, Steve Jao and many others.

