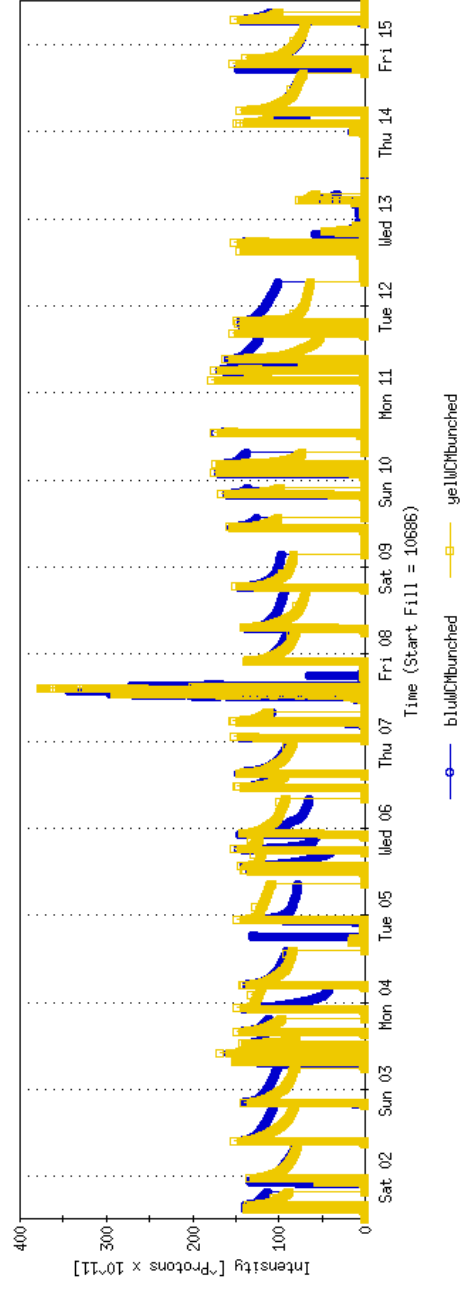
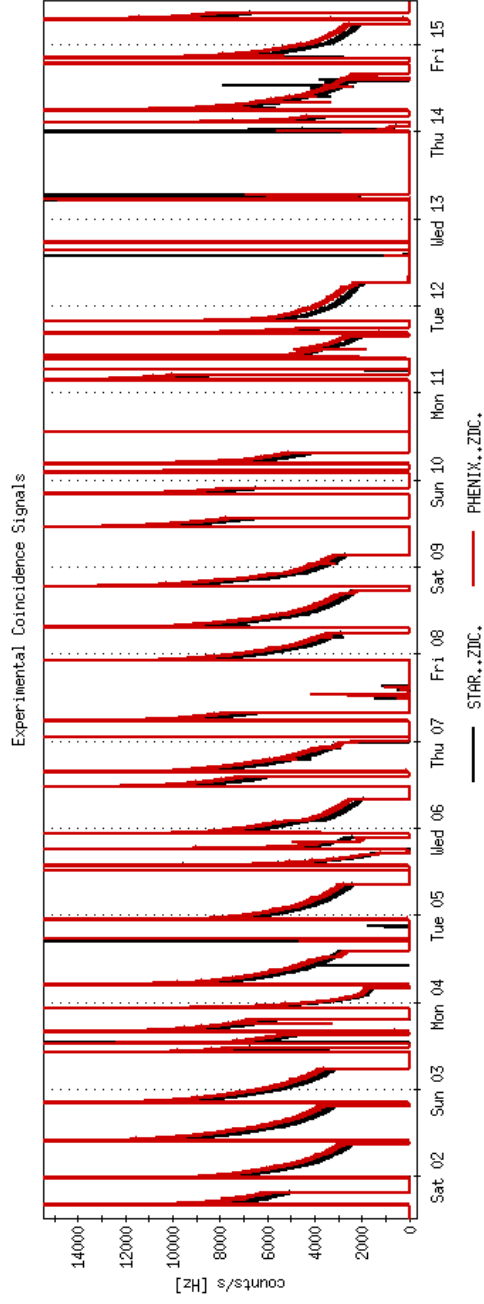


100 GeV Polarized Proton Run

http://www.cadops.bnl.gov/AP/Spin2009_100GeV/

May 1, 2009

Present status



- No more Blue noise since May 1.
- Attempted vacuum scrubbing last Thursday. Preparation took too long; only 3 h of actual scrubbing.
- Best stores have around $45 \cdot 10^{30} \text{ cm}^{-2} \text{ sec}^{-1}$ peak luminosity.
- Lots of failures: PASS, RF, LINAC, rotator PS, Roman Pots, ...
- Poor Yellow lifetime, due to odd bump in arc. Chromaticity wants to be 4 units lower.
- Vacuum bleed-up in IR 12 due to Jet work on Wednesday.
- Automatic orbit correction flaky; collimator insertion causes beam aborts
- CNI polarization is near 60 percent for 1.3e11, since Maintenance Day
- Roman Pots (finally!) tested successfully; permission to insert 4 h into stores.

Plan for the week

- Physics running, push intensities
- Vacuum scrubbing to allow for higher intensities at smaller emittances on Monday (?)
- AC dipole commissioning