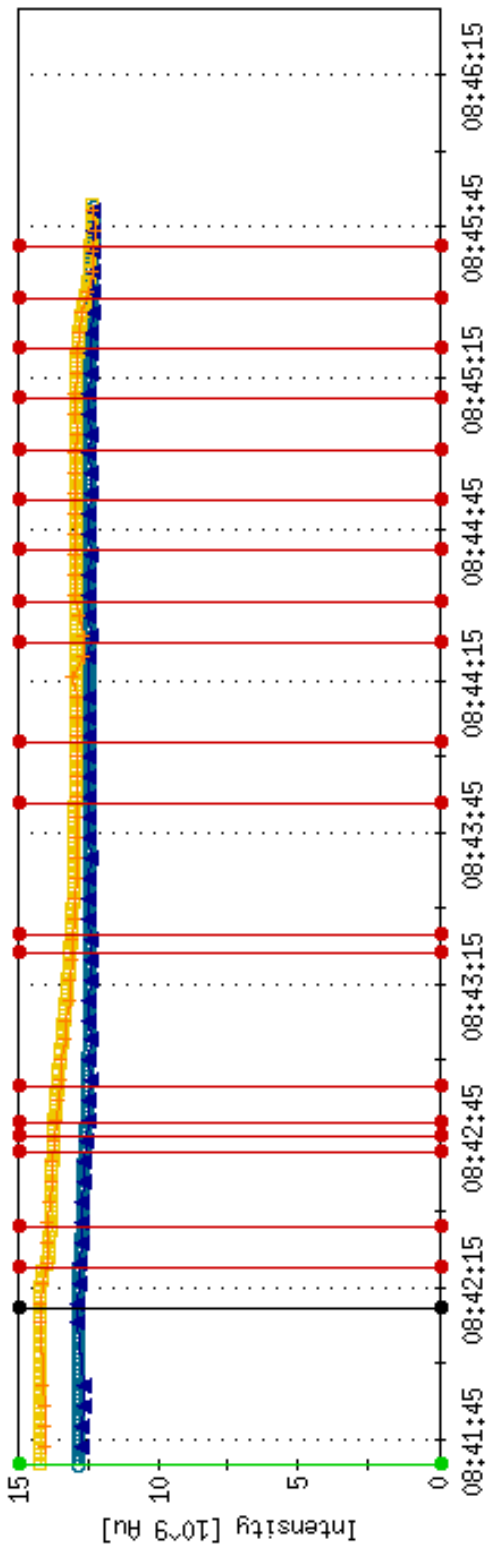


100 GeV Polarized Proton Run

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

April 17, 2009

Present status



Best ramp so far, 95 percent transmission in Blue, 84 percent in Yellow,
with 1.15e11 in 12x12

Yellow losses during final squeeze seemingly due to orbit around STAR
Found collisions in both experiments

Next steps

- Measure emittances (Anatoli)
- Ramp tuning for transmission
- Increase bunch intensity and number of bunches
- At 28x28 (or more), start measuring and working on polarization
- Collimation (Angelika), few stores with transverse polarization
- Develop rotator ramp (Waldo)
- Nonlinear chromaticity correction (Guillaume, Yun)
- IR nonlinear correction (Fulvia)
- Collimation for rotator ramp (Angelika)
- Overnight stores, fine-tune the ramp to maximize polarization
- Vernier scan
- Physics