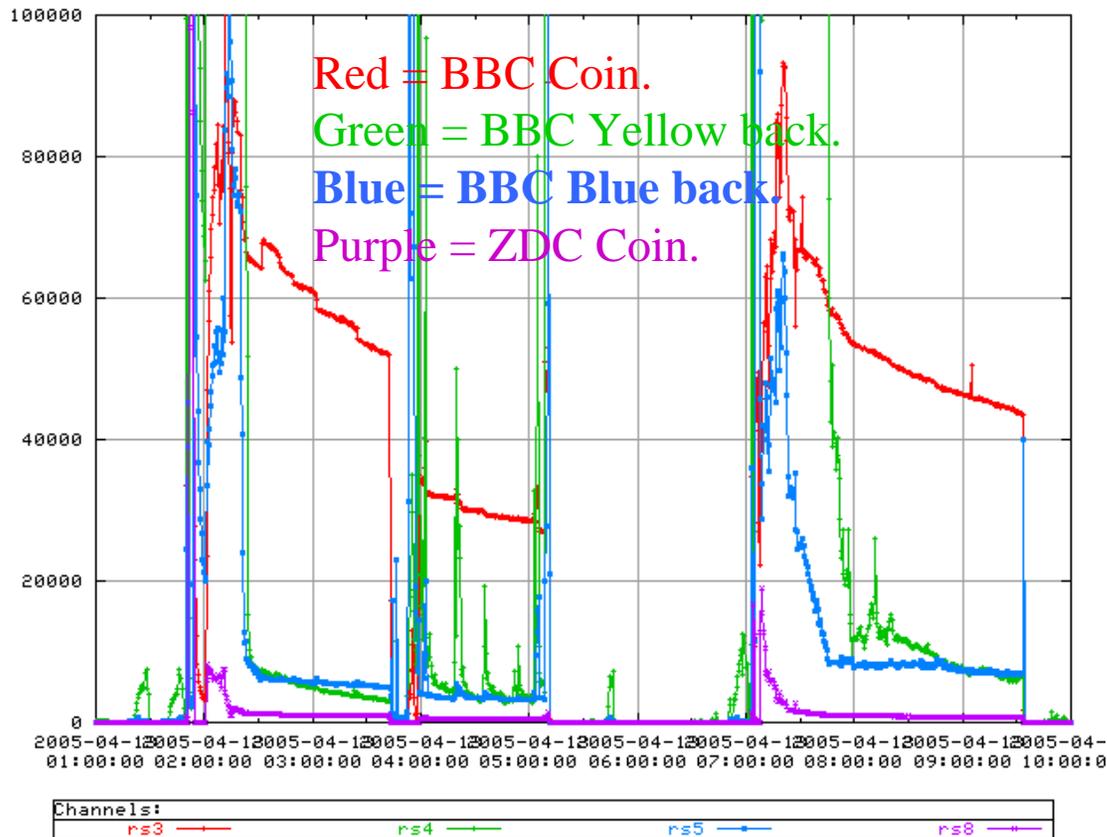


STAR Status Report

RHIC Coordination mtg, April 13, 2005

- Timing has been set for Trigger Counters
- SPIN bits have been timed in
- STAR Scalers have been up and running since late last week.
- STAR Local Polarimeter data (BBC detector measuring left-right, and up-down rates) up and running. Currently using raw BBC data to cross check Scaler results, and further understanding of systematics. Estimate for this first order checking is about one more day.
- Starting to look at correlation between CNI and local polarimeter results to remeasure/check the local polarimeter analyzing power. Final determination will await Jet calibration of CNI analyzing power.
- Performed Trigger rate scans for B & E EMC High Tower (HT) and Jet Patch triggers, as well as BEMC J/Ψ triggers this morning. Results very encouraging.
- Plan to start using more of overnight collisions to acquire modest min bias data goal.

STAR Beam conditions for morning of April 13, 2005.



Minimum Conditions for Physics

1.) A store averaged luminosity of $4 \times 10^{30} \text{ cm}^{-2} \text{ s}^{-1}$ (BBC rate of $\sim 110 \text{ kHz}$) or higher.

2.) Store averaged polarizations of 35% * or better for both beams.

3.) The confirmation, as determined by the local STAR polarimeter, that the polarization directions for the beams are no more than 20 degrees off of the beam axis.

4.) Reproducible stores.

** CNI Polarimeter data/measurements must be understood and reliable.*

Note: $\sigma_{\text{BBC}} \sim 27 \text{ mb}$, \Rightarrow BBC coin. Rate of $27 \text{ kHz} \sim L = 1 \times 10^{30} \text{ cm}^{-2} \text{ s}^{-1}$