



STAR Report – Time Meeting

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Estimate of progress towards STAR's 14.6 GeV Dataset Goal

Statement of 14.6 GeV Data Set Goal:

To accumulate enough raw event triggers such that, when the data is analyzed, we end up with at least 20 million events of "good" collisions, defined as having V_r ($\sqrt{v_x^2 + v_y^2}$) within 1.5 cm of the nominal beamline, and V_z (along the beamline) within ± 30 cm of the center of STAR.

Current estimate is using online tracking algorithms.

Given lack of final vetting so far by offline reconstruction, and dynamic beam conditions prior to Saturday afternoon (2/22), it still has a fairly large uncertainty.

Current estimate is that we have between:

4.5 and 12 million "good" collisions.

This is a range of between ~23% and 60% of our goal.

HFT Commissioning

- The HFT is commissioning the 3 system **PXL**, **IST** and **SSD**
- A set of runs with selected L₄ vertex $|Z| < 7$ cm has been taken for PXL. In each of these latch-up events were observed likely due to beam issues, instabilities, abort gap filling. Will investigate setting further w/o beam. Proceeding very cautiously due to beam conditions in order not to damage detector.
- IST has collected useful runs to checkout pedestal settings and subtraction.
- SSD has made good progress in firmware, resolved several issues.
- Offline software is improving PXL alignments