

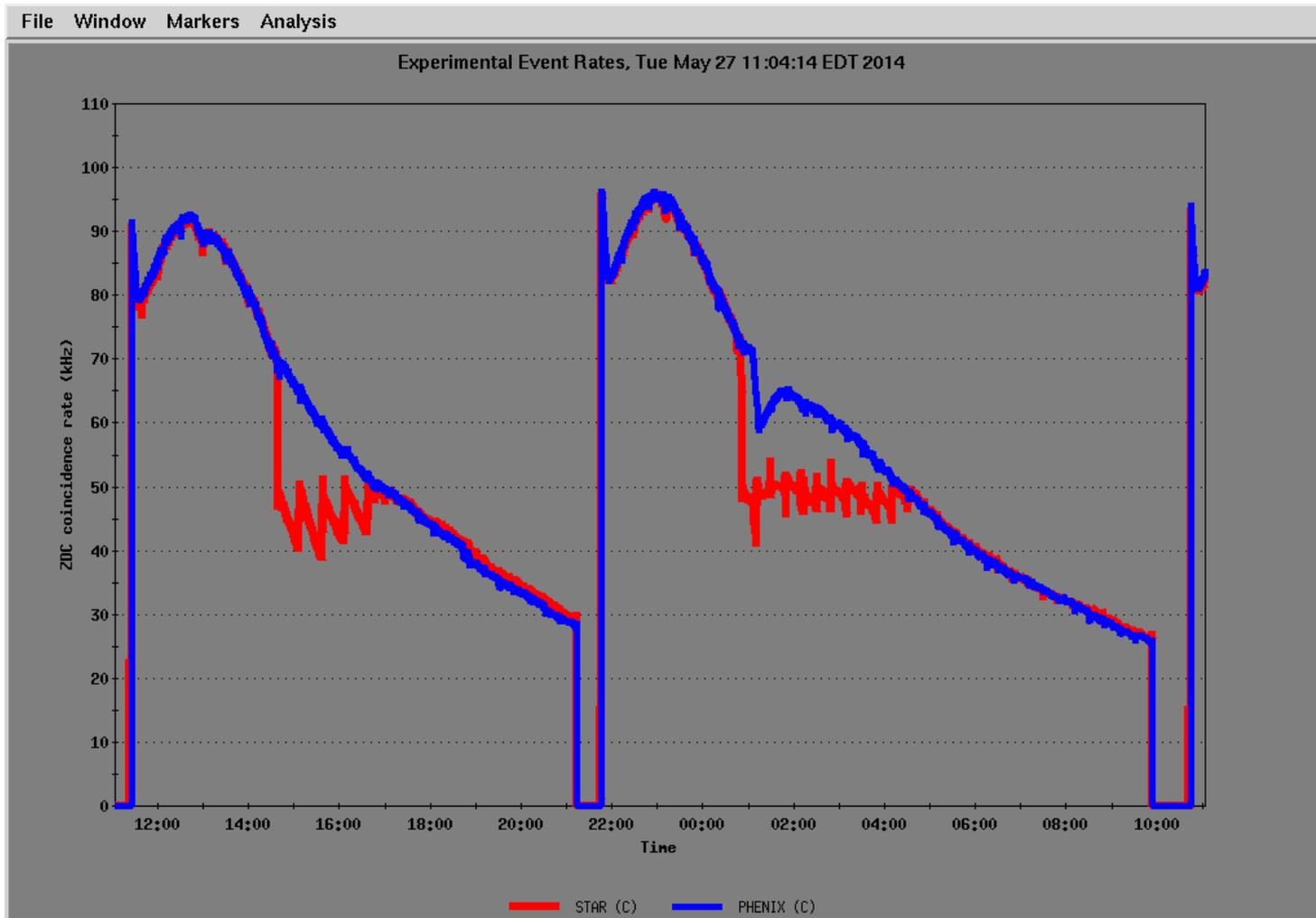
Proposal for optimizing RHIC Running between now and switch to He3- Au

RHIC Coordination mtg.

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For the STAR Collaboration



Proposal:

- 1.) Drop the collision rate in STAR down to 50 kHz 2.5 hours into the store, as opposed the current mode where it's dropped after 3 hours.
- 2.) Extend the store length from 10 hours to 11 hours.
- 3.) Minimize Machine Development time between now and the switchover to He3-Au running.
- 4.) Consider dropping one APEX session between now and the switchover to He3-Au running.
- 5.) Investigate implementing the dynamic Beta squeeze (aka THOR) at STAR late in the store when the 50 kHz rate can't be maintained.
- 6.) Consider gains in the luminosity lifetime that could result from either mis steering PHENIX or increasing the PHENIX beta*.
- 7.) Depending on how far we get in reaching STAR's goal's, reconsider the He3-Au switch over date.