

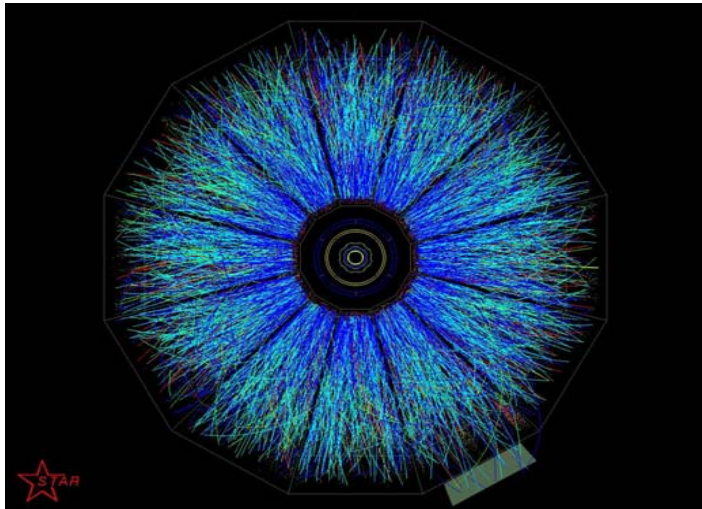
W.B. Christie, BNL

RHIC Coordination mtg

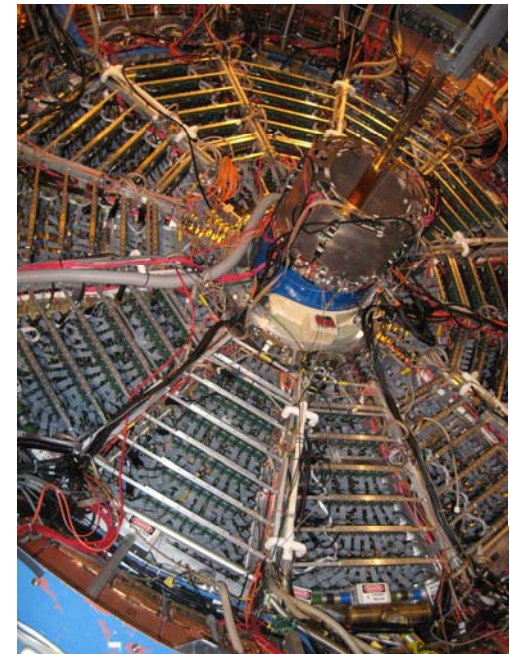
Nov. 17, 2009.

Outline

- Goals for 200 GeV AuAu in Run 10



Load Testing TPC Support



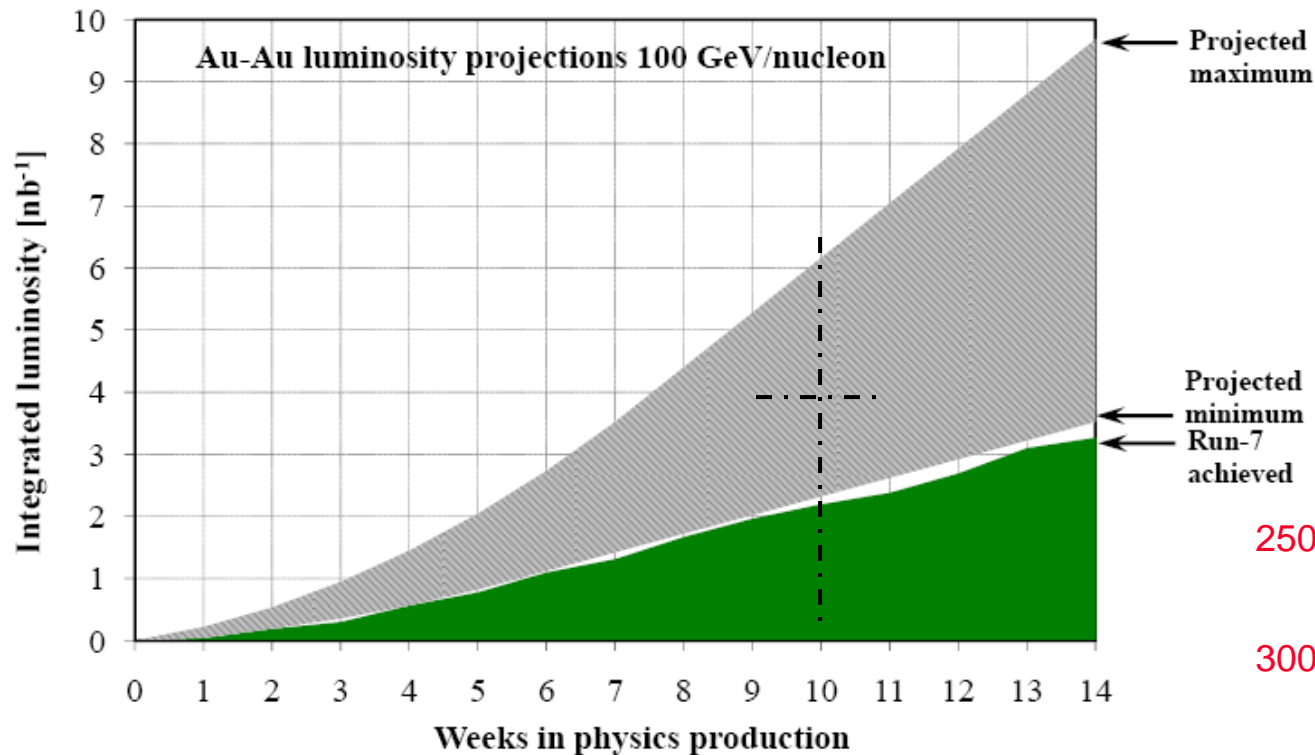
New TPC Electronics

STAR Goals for Run 10, 200 GeV AuAu



A few Caveats:

- No RHIC budget yet, but rumors are that we'll have 25 (+?) Cryo wk run.



Star's Goal for the 10 wks of 200 GeV AuAu starts with the mid-point of the C-AD Projection.

We then estimate a 50% overall STAR efficiency, to arrive at our goal, which is to sample 2 nb^{-1} of luminosity with our triggers (x4 Run 7).

We also have goals of collecting:

250M Central evts
- (x10 Run 4 and x30 Run 7)

300M Min-bias evts
- (x4 Run 7)

Figure 2: Projected minimum and maximum integrated luminosities for gold-gold collisions at 100 GeV beam energy, assuming linear weekly luminosity ramp-up in 6 weeks for the minimum and 8 weeks for the maximum.