

Good progress over the holiday weekend

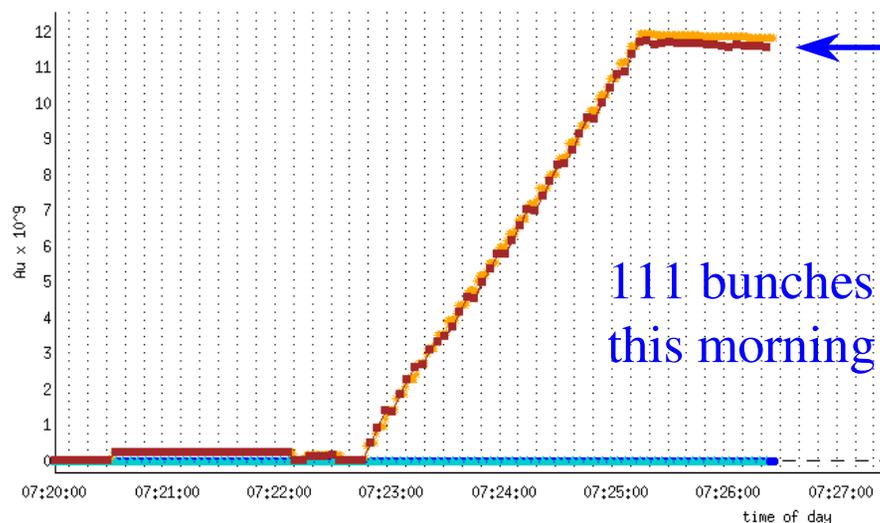
Thanks to everyone who
worked over the holidays!

- Power supplies
- Cryo
- Operations
- Instrumentation
- RF
- Vacuum
- ...

- Reached $1.0 \cdot 10^9$ /bunch in AGS yesterday (Tandem, Booster septum, K. Zeno)
- Power supply work finished (G. Ganetis, D. Bruno, ...)
 - Faster down ramps will save about 2 days/run
- Large part of instrumentation is set up in both rings:
 - BPM (T. Satogata, ...)
 - Injection and abort kicker timing (W. Fischer, L. Ahrens)
 - WCM (R. Lee)
 - Loss monitors (M. Bai)
 - Tune meter, injection damper (R. Michnoff, A. Drees)
 - RF phase detectors (T. Hayes)
 - Flexible bunch patterns (J. Delong, W. Fischer, ...)
 - IPM (R. Connolly, S. Tepikian)
 - PLL tune meter (P. Cameron, ...)

- Reached $0.8 \cdot 10^9$ /bunch in Blue yesterday (AtR transmission improved)
- **Blue:** Injected 111 bunches with $0.5 \cdot 10^9$ /bunch (pressure rise in bi8 and bo2, up to 10^{-6} Torr)
- **Yellow:** Injected 111 bunches with $0.1 \cdot 10^9$ /bunch (no pressure rise observed)

Tue Dec 2 2003 RHIC - DCCT total beam & WCH bunched beam



$12 \cdot 10^9$ Au ions total

111 bunches in Yellow early
this morning (V. Ptitsyn)

- Will start ramp development tonight
 - Need STAR and PHENIX experimental magnets for setup of production ramps
- 2-3 days ahead of schedule
 - May not need full 5 weeks to go into luminosity production **IF** no unforeseen events (currently assumed for 5 January)