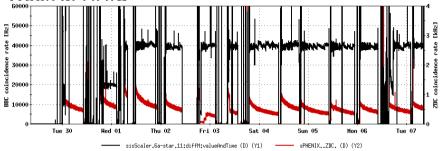
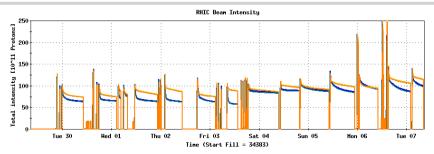


Last Week at RHIC



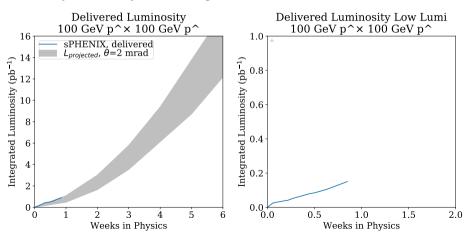




us1UCMbusshed (1)

RHIC Status and Lumi Projections

- \rightarrow 111x111 physics running since Tuesday.
- ightarrow 1 mrad crossing angle implemented at STAR for their low luminosity run Preliminary luminosity accounting



RHIC Status

MD Thursday for optimizing β^* squeeze at IP8, 2 hours.

MD Thursday for optimizing vacuum scrubbing, 4 hours

- → further optimize injection efficiency of blue with larger beam
- → setup capture into 28 MHz RF
- → develop routine to optimize the use of time

Having more regular store lengths on the shorter side (preferably 2-4 hours, no more than 8 hours) will further improve vacuum conditions.

MD next week for setup and optimization of rotator ramp (after 5/15).



Physics Checkpoints

 β squeeze at IP8 ✓ 1.0e11 protons per bunch @physics complete low-luminosity run for STAR □ sPHENIX running with nominal store conditions 1.7e11 protons per bunch @physics (Run12 maximum) □ 2.0e11 protons per bunch @physics ☐ 2.4e11 protons per bunch @physics (Run15 maximum) switch to alternate AGS setup ☐ 2.5e11 protons per bunch @physics ☐ 3.0e11 protons per bunch @physics

