

2024 4 15



RHIC Status

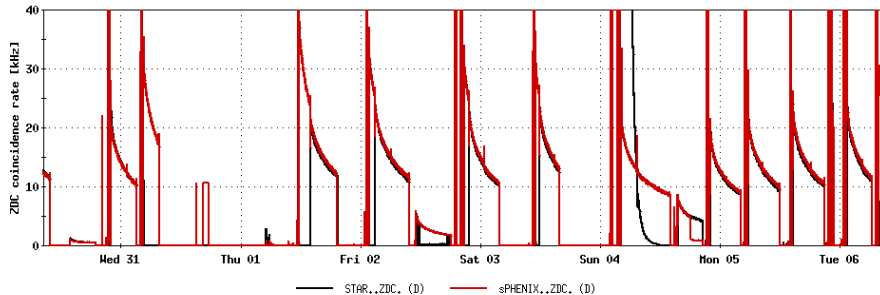
Kiel Hock

Time Meeting

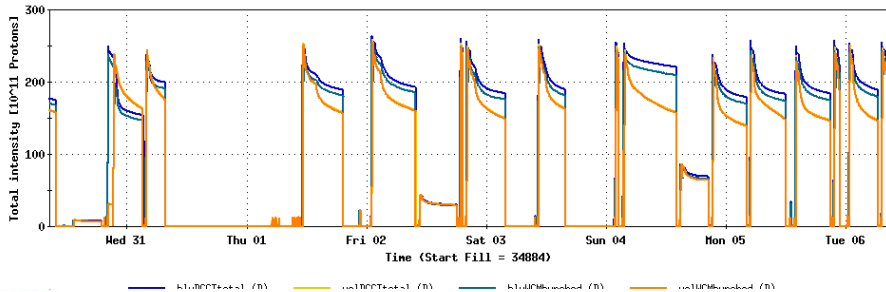
August 6, 2024



Last Week at RHIC

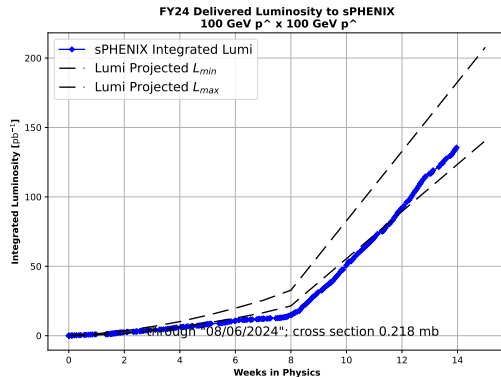
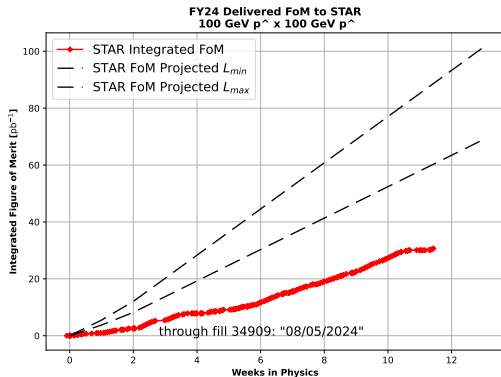


RHIC Bean Intensity



RHIC status and Lumi Projections

111x111 physics running since 4/30. Preliminary luminosity accounting



NaNs reported by CNI polarimeter causing artificial plateau on FOM.

RHIC Status

- Delivered intensity up to 2.3×10^{11} at physics.
- STAR and sPHENIX operating with 0 mrad crossing angles
- sPHENIX isobutane introduced on 7/27
 - ▶ 6x6, 28x28 and 56x56 stores delivered for testing of TPC
 - ▶ testing with +1.5 mrad crossing angle
- Delivered polarization is up to 60%
- Power dip on 7/31 and 8/1
 - ▶ additional recovery of systems from severe power dip on 7/29
- Severe weather standown on 8/3
- Fill 34892 was unpolarized due to AGS warm snake PS issue
 - ▶ Peak delivered luminosity of 115 pb^{-1}
- PASS Division A processor for sector 6 replaced on 8/03
- STAR MCW chiller was down on 8/3-8/4 due to a shorted condenser fan