

2024 4 15



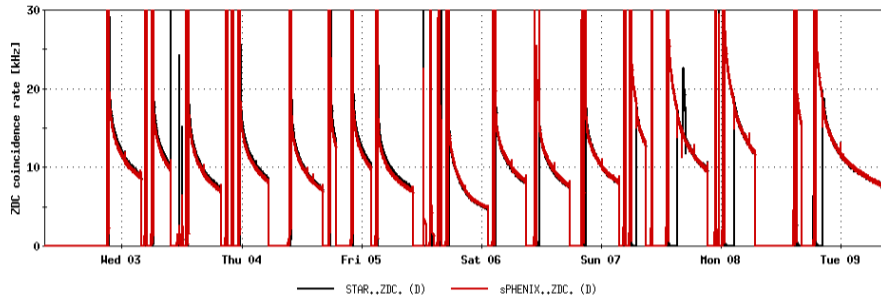
RHIC Status

Kiel Hock

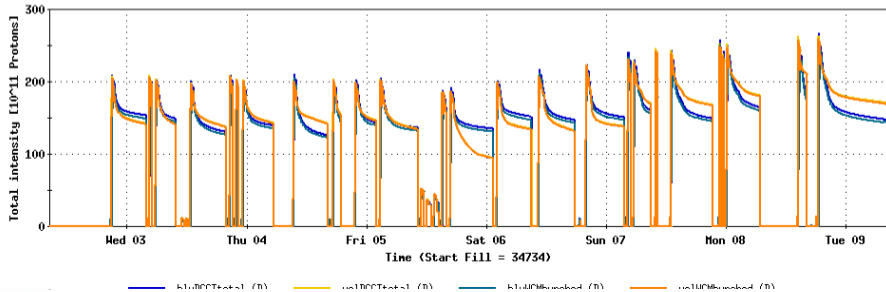
Time Meeting
July 9, 2024



Last Week at RHIC

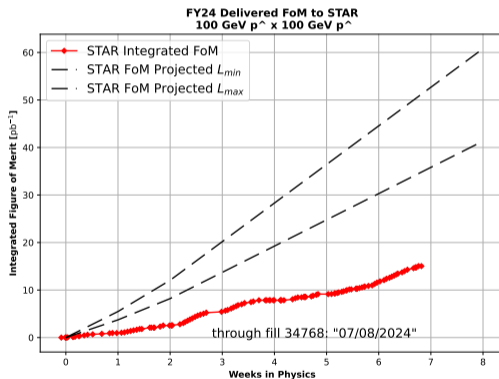
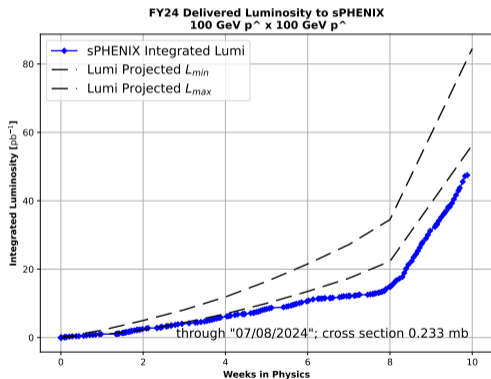


RHIC Beam Intensity



RHIC status and Lumi Projections

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



RHIC Status

- STAR and sPHENIX operating with 0 mrad crossing angles
- Intensity up to $2.2e11$ at store, currently operating with up to $2.4e11$ at injection
- Delivered polarization is 50-60%.
- STAR and sPHENIX being collapsed at separate times since July 5th
 - ▶ This allows an increase in intensity for sPHENIX and then collapsing STAR for nominal conditions
 - ▶ 6 hour store length following STAR coming into collisions
 - ▶ MD on July 3rd for 2 hours to confirm the mechanics
 - ▶ MD on July 5th for 5 hours to polish setup and make it ready for physics
- Sector 10 lead flow issues caused numerous trips of corrector PS
- Maintenance on 7/2 finished on time and MCR was able to quickly recover and resume Physics