

2024 4 15



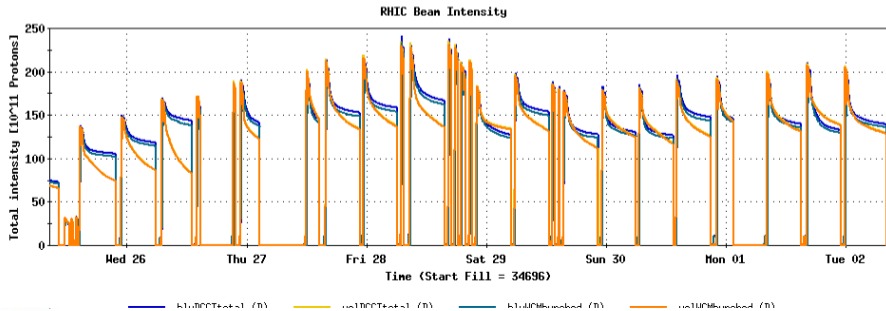
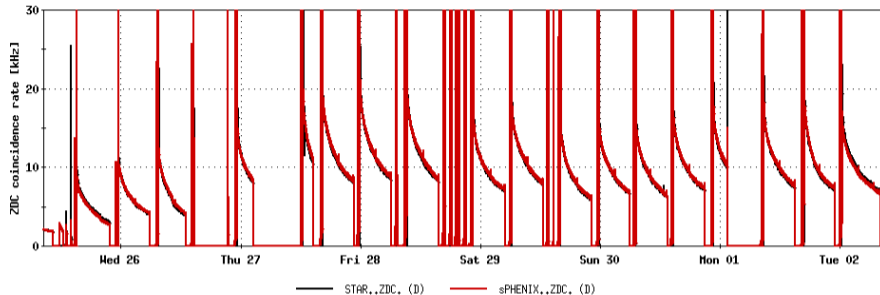
# RHIC Status

Kiel Hock

Time Meeting  
July 2, 2024

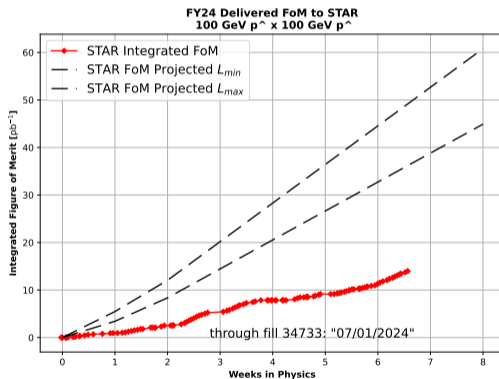
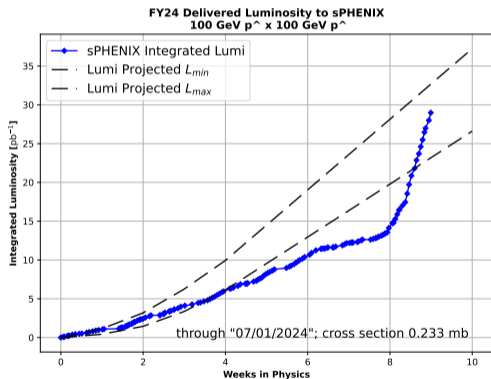


# Last Week at RHIC



# 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  $2.0 \times 10^{11}$  at store, currently operating with  $1.7\text{-}1.8 \times 10^{11}$  at injection
- Delivered polarization is 50-60% with improvements made to yellow polarization lifetime (reported last week) by separating Qv from 7/10 snake resonance.
- June 25 Machine Development successfully tested a separate storage ramp to collapse IP6 and IP8 independently. Machinery has been further refined with additional MD tomorrow
- Power dip on June 27
- 2x lead flow trips in alcove 10c due to bad current driver board on June 26+27