

2024 4 15



RHIC Status

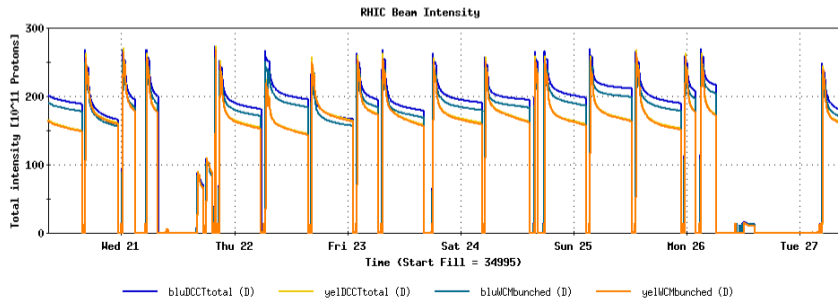
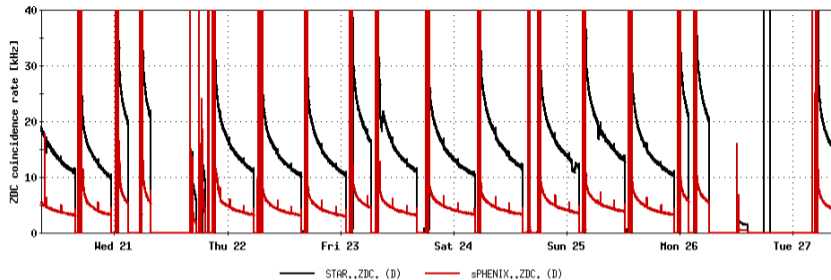
Kiel Hock

Time Meeting

August 27, 2024

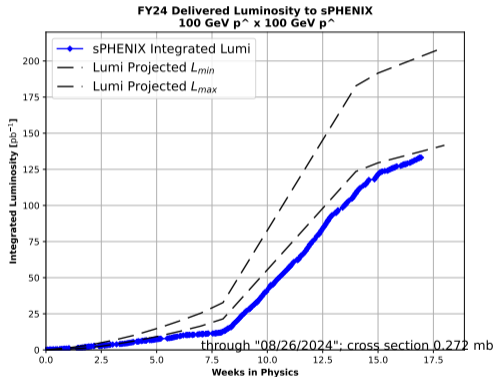
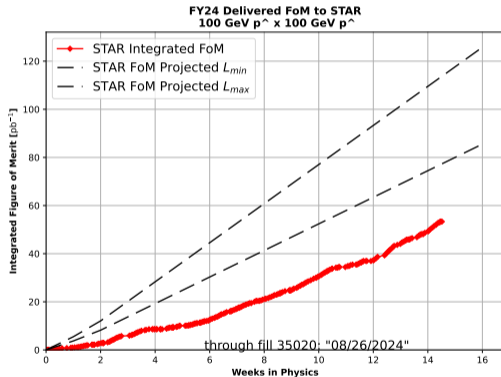


Last Week at RHIC



RHIC status and Lumi Projections

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



Inflection for sPHENIX projections coincides with change in crossing angle.

RHIC Status

- Physics running with up to 2.3×10^{11} /bunc at physics and 55% polarization.
- AGS tunemeter back in service.
- Updated logic for RHIC RF permit for Landau cavities to pull the permit in case the high level trips has been implemented and tested.
- Saturating BPMs at IR8 DXs resulted in incorrect reporting of crossing angle. Resolved.
- Sector 11 lead flows caused a beam abort at 0300. Thermistor board replaced.
- Steam leak at LINAC resulted in only one APEX experiment being completed
- B9-1 trips the result of being at the intensity limit. Need to develop a slower ramp or remain at current intensity
- Smooth running through the weekend.
- STAR magnet tripped several times
- 1c-ps1 CPCBPS permit failing.
 - ▶ Node card replaced x2
- Severe weather and power dip 8/26. Recovered 8/27 @0500