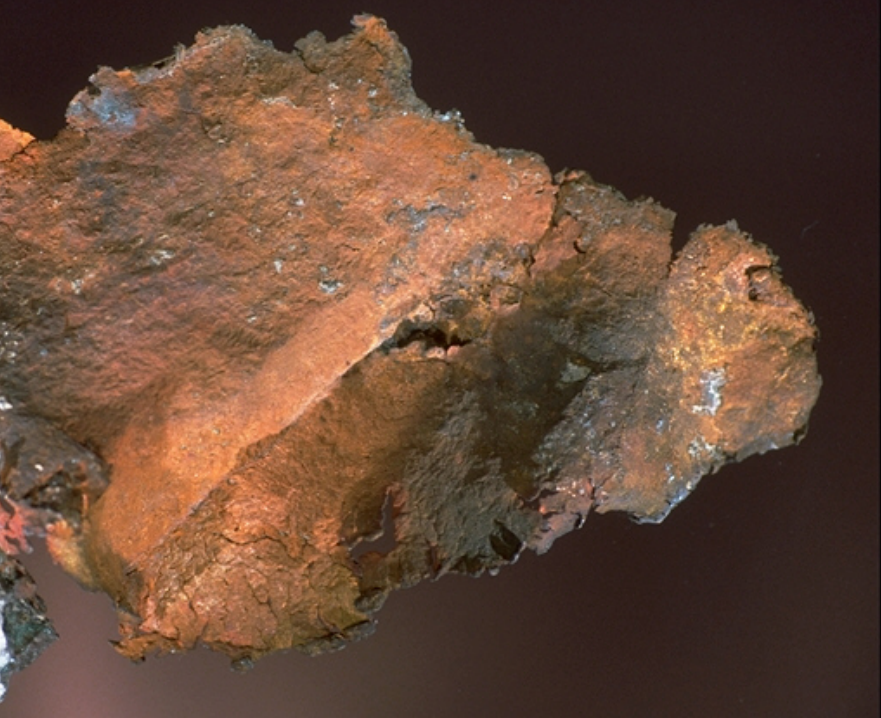
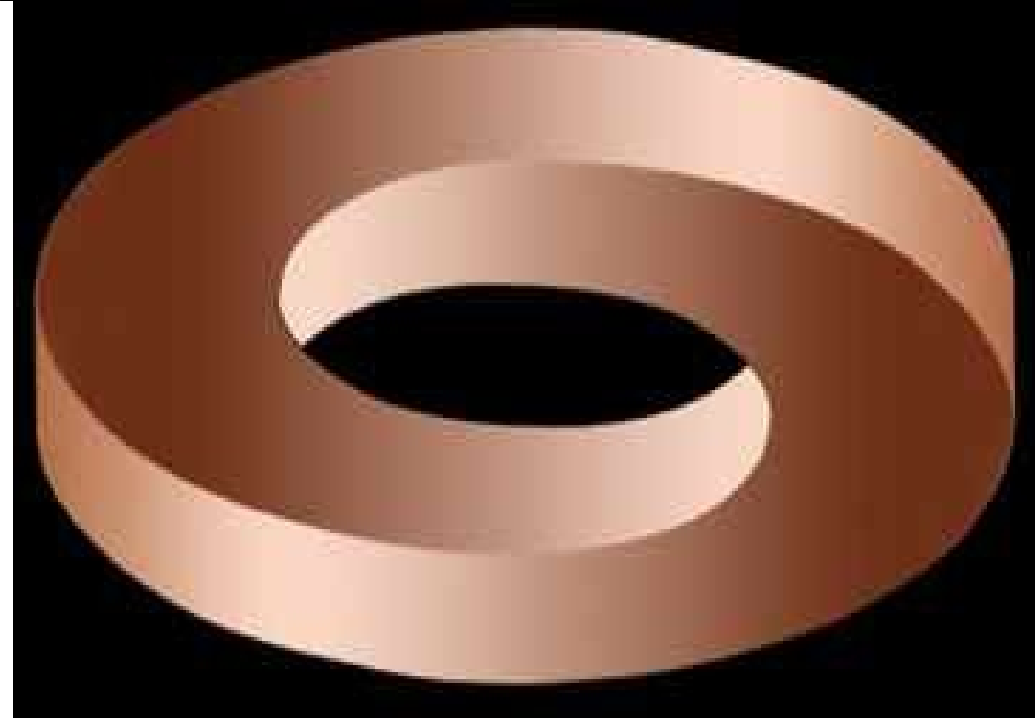




Run-5 Update



Experiment Meeting
February 23, 2005



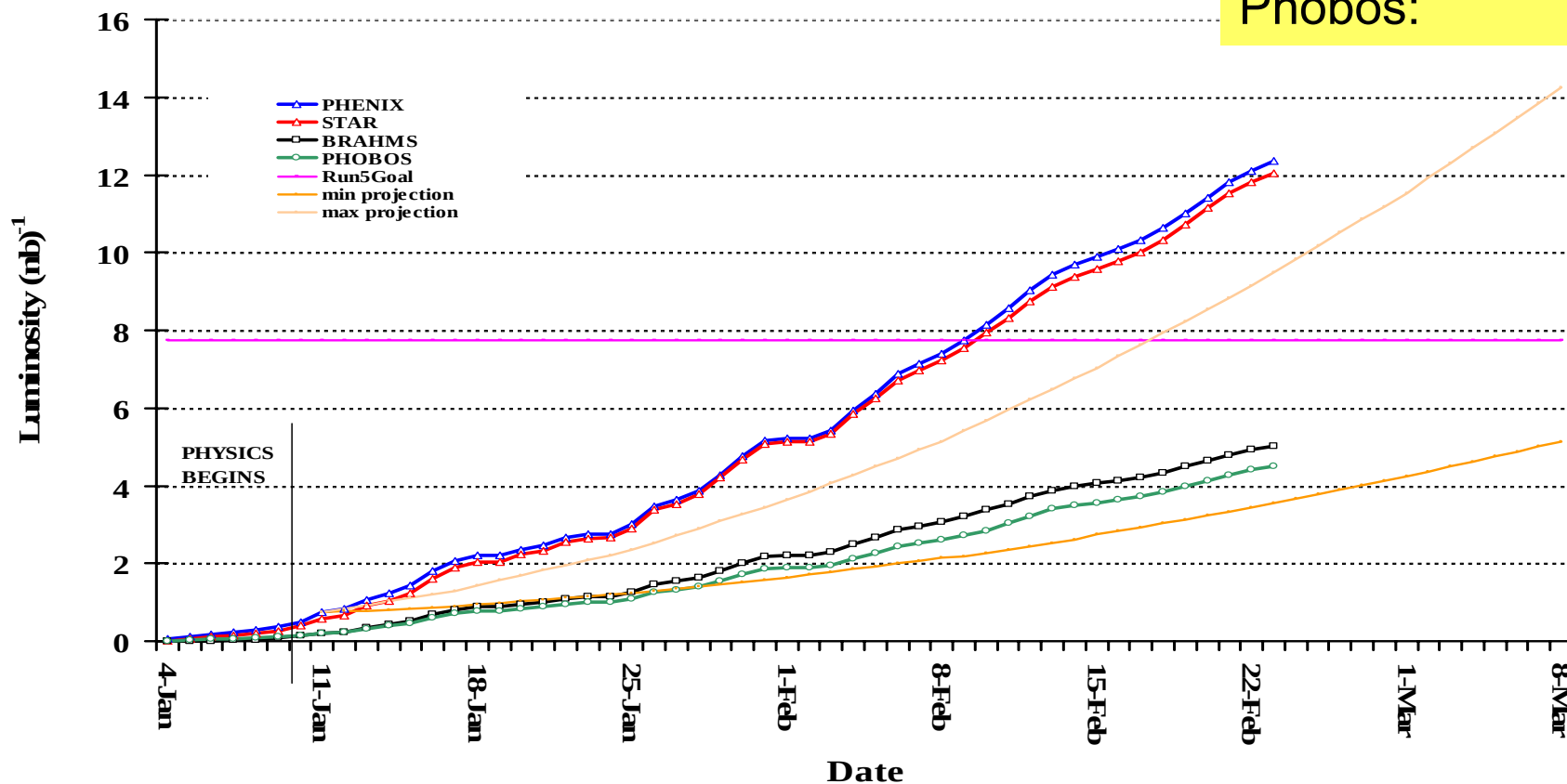


Status: 4 weeks

Total from January 11
(nbarn-1)

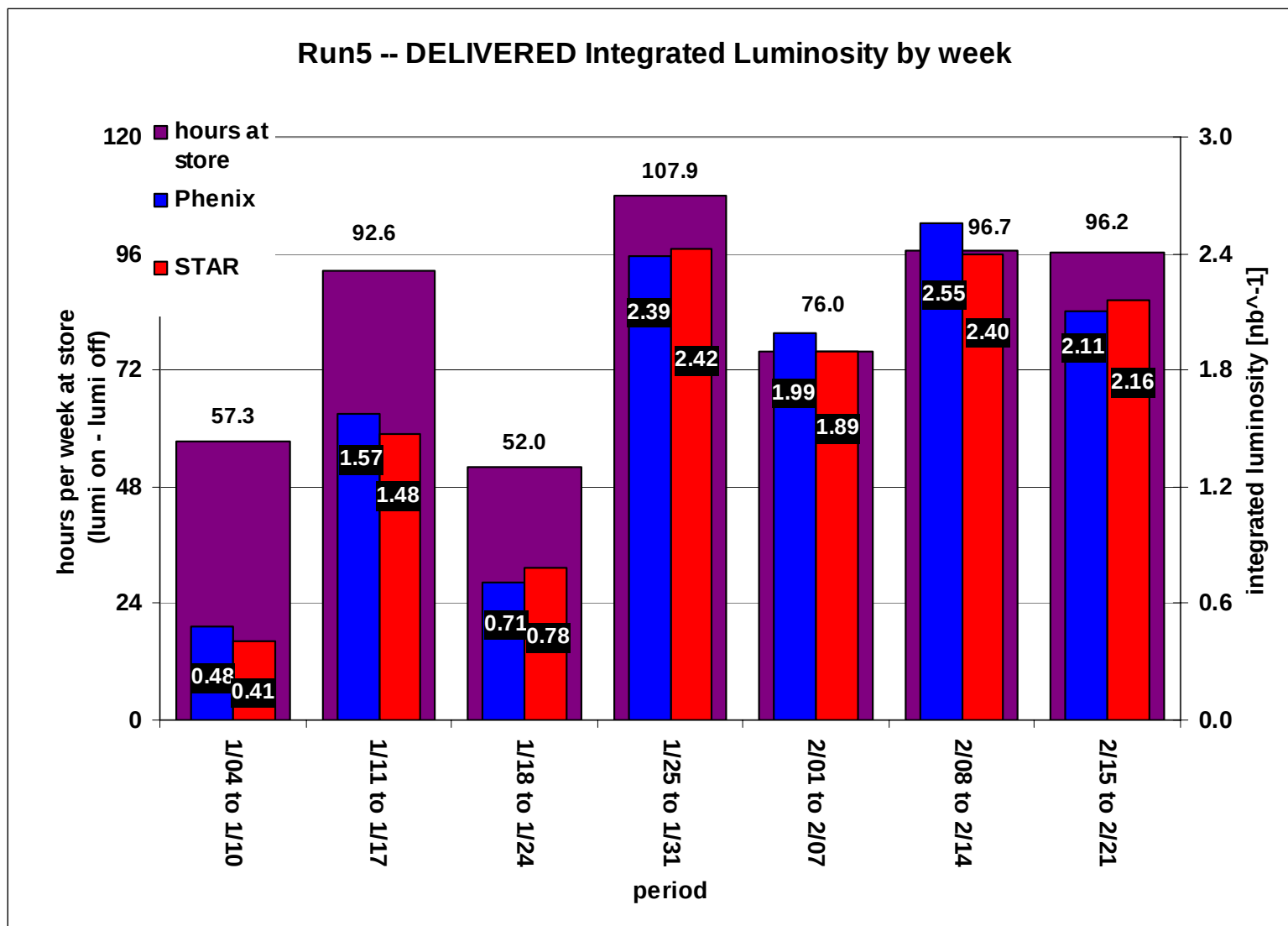
Phenix:	12.1
Star:	11.6
Brahms:	4.89
Phobos:	4.35

RHIC Run 5 Delivered Cu-Cu Luminosity





Luminosity / week





Week 6 - Highlights

- ❑ STAR&PHENIX magnets polarity change (Tuesday)

- ❑ Machine development (Thursday – 8h)

flatten out the yellow orbit along the ramp to improve the yellow transmission efficiency

- ❑ Machine development (Sunday): Bad lifetime at store

implement offsets in all the DX bpms (Sunday)

fine tuning steering at STAR and PHENIX

adjusting chromaticity at store in Blue and Yellow

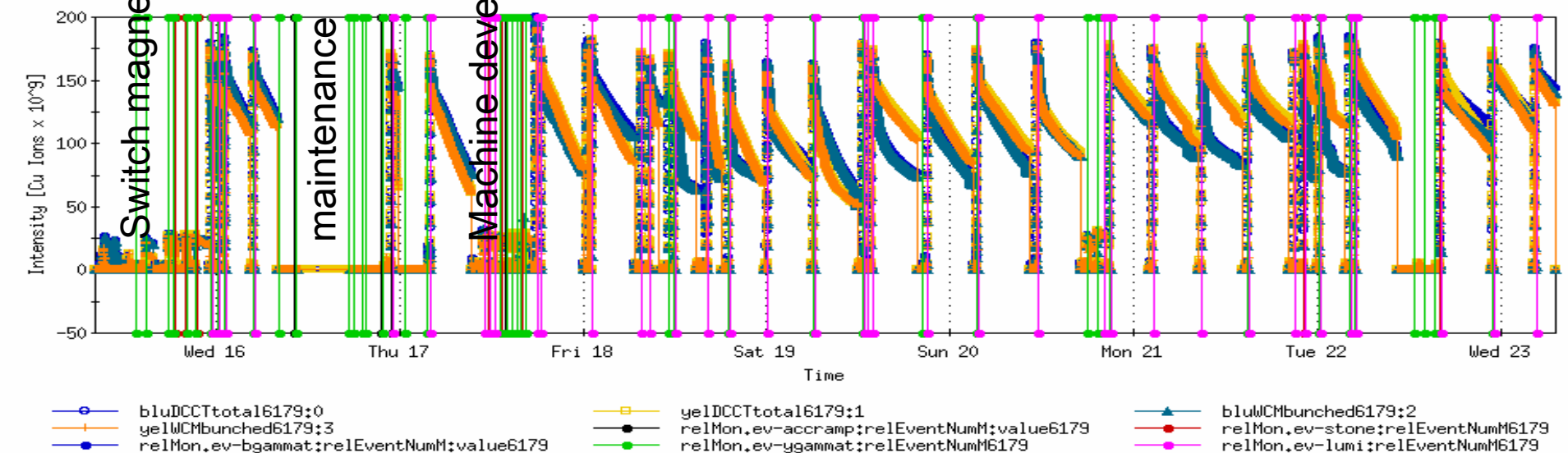
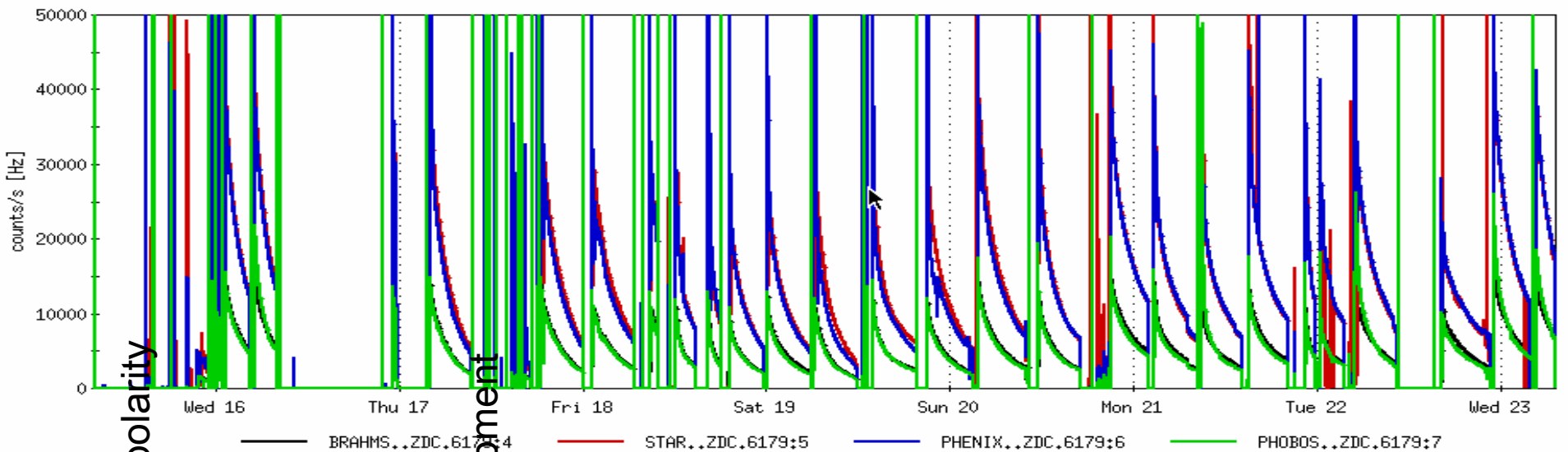
decouple the Blue at store

- ❑ Machine maintenance (Wednesday)

- ❑ Physics running over weekend



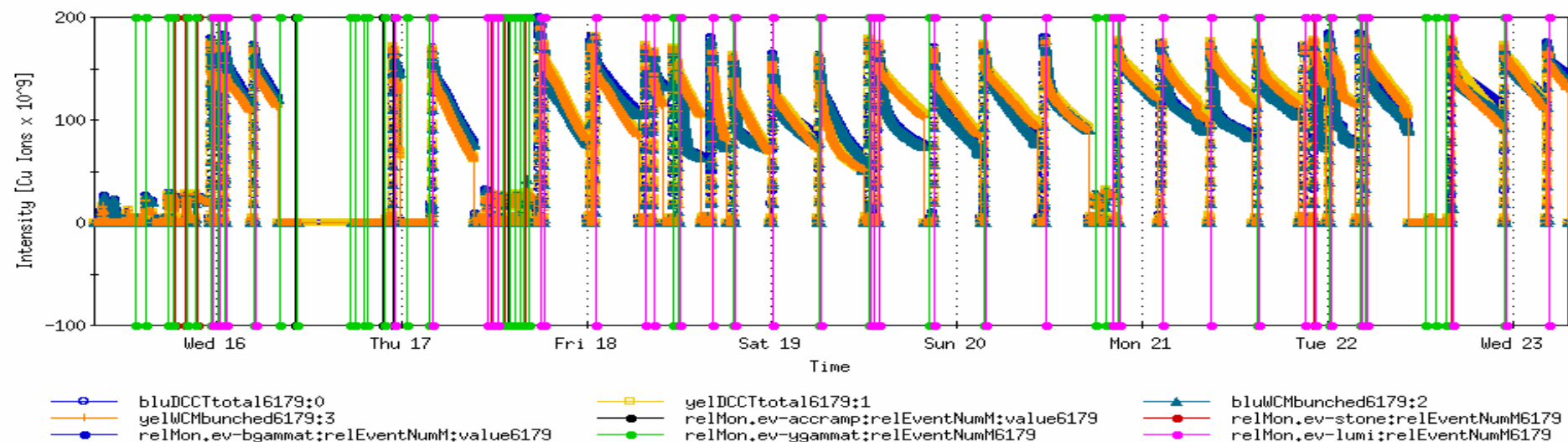
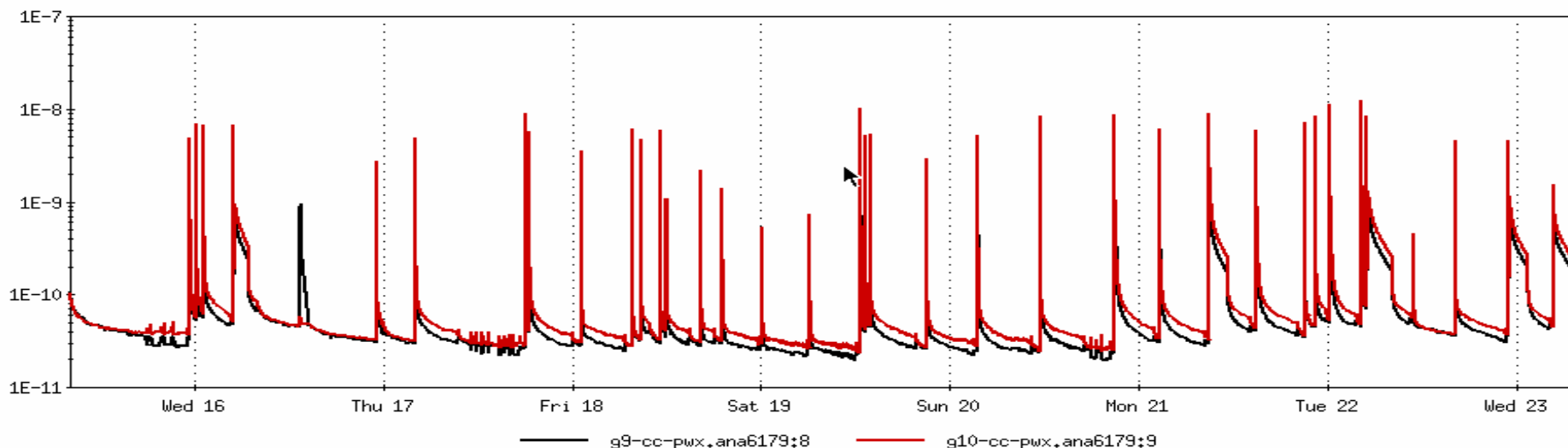
Intensity/collisions – Week 5





Phobos PR and background

Fill pattern: 37x38, Bunch intensity 4.6-4.7 e9



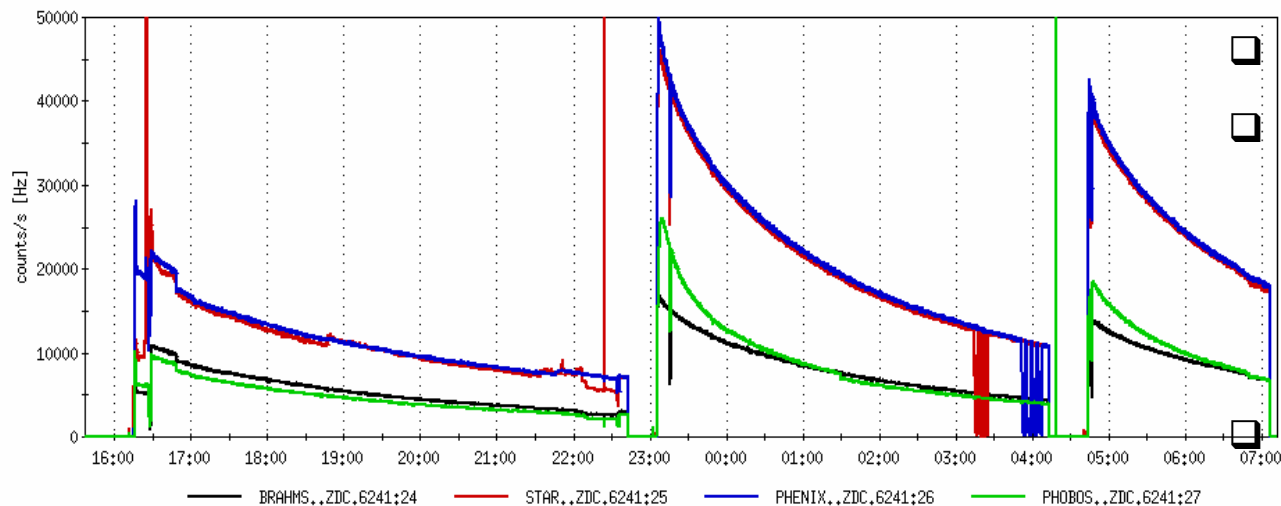


Plan of week 6

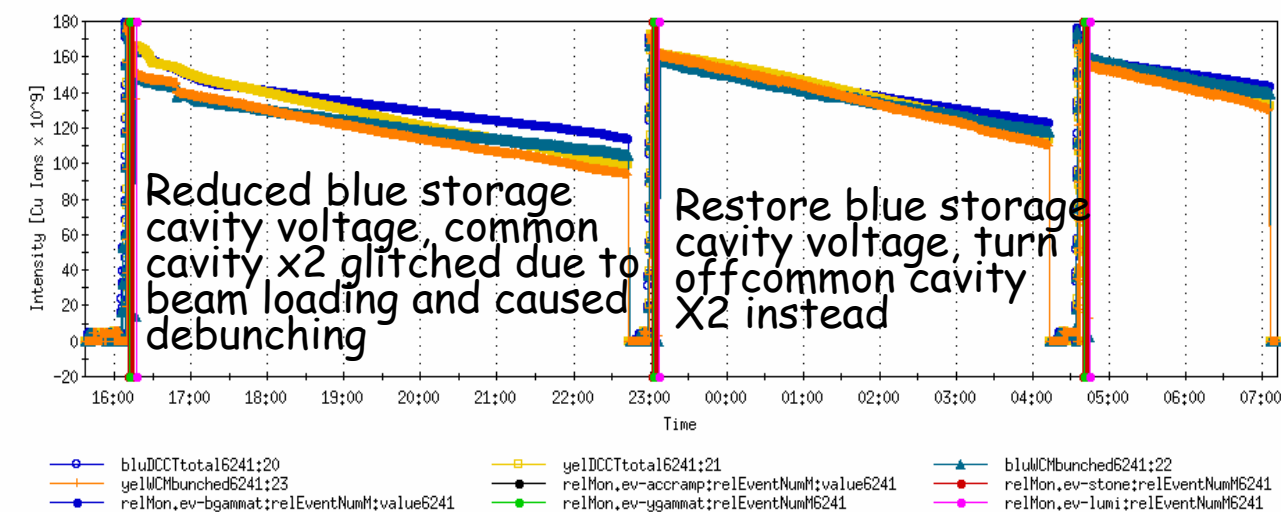
- ❑ Beam Experiment (Wednesday: 7:00am-7:00pm)
- ❑ Address the beam lifetime issue after rebucketing
 - Evaluate the steering at STAR (*Todd, Vadim*) -- *Done*
 - Find a solution to fix the dispersion at STAR and PHENIX
 - *Working progress*
 - Reduce the storage cavity voltage by 10% to reduce the momentum spread
 - *Done by turning off common cavity X2*
- ❑ Investigate the sluggish behavior of Ramp Editor – *Working progress*
- ❑ Investigate loss at IP4 (real?)
- ❑ Vernier scans at 4 experiments (*Angelika*) -- *Done*



Fixed the Blue lifetime at Store: Feb 22

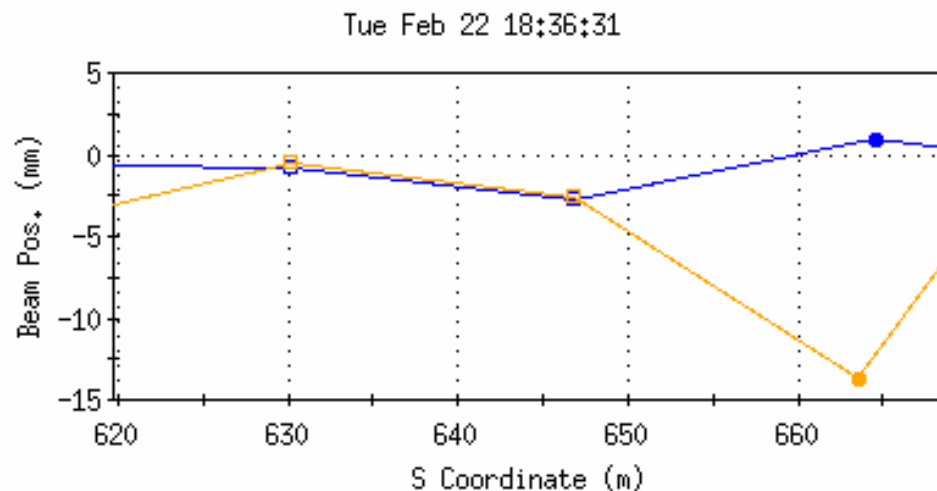


- ☐ corrected STAR steering
- ☐ Readjust the rebuckting
- ☐ remove one common cavity to reduce the momentum spread
- Adjust the PHENIX angle bump to fix the 5cm shift of vertex





PHENIX 5cm shift of vertex



Vertical Positions

