



STAR Report – Time Meeting

UIC UNIVERSITY OF ILLINOIS
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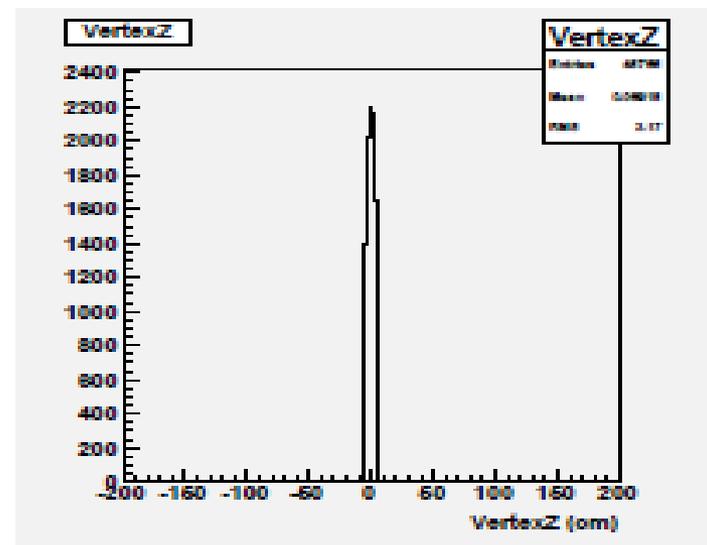
March 18, 2014

Olga Evdokimov



Start of the 200GeV Run

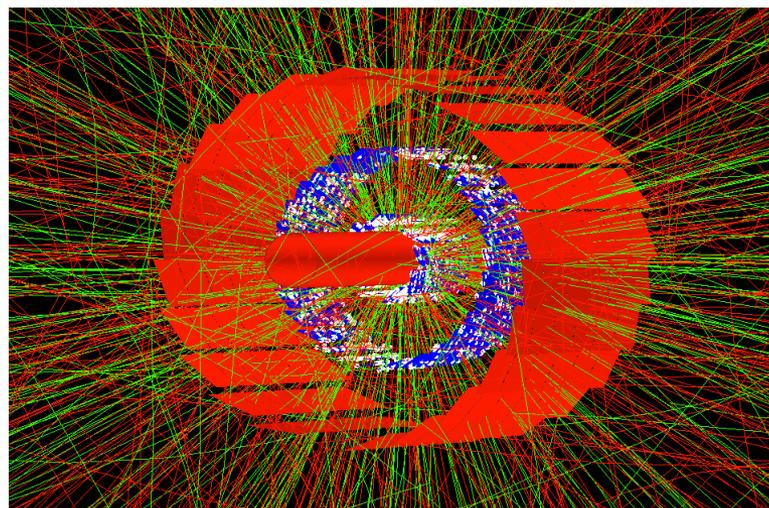
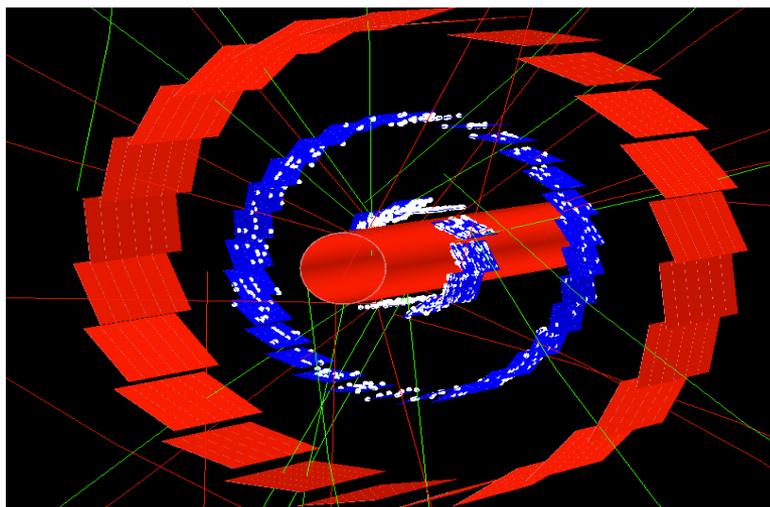
- Begun trigger setup work on Friday, the 14th
 - Set up three essential triggers for data taking and HFT commissioning
- Over the weekend – overall good beam conditions, tuned the base-line trigger set
- Additional (physics-based) triggers are being set: μ , $\mu\mu$, μe , HT
- Monday, the 17th - start elevating triggers to physics IDs





HFT Commissioning

- The HFT is commissioning the three system **PXL**, **IST** and **SSD**
- Many pedestal runs collected for calibration by all subsystems.
- All three detectors are included in multiple tests runs in the past few days.



- STAR priorities for the 200 GeV run: beam stability first, lumi second.



Beam Event 3/18 @9:25

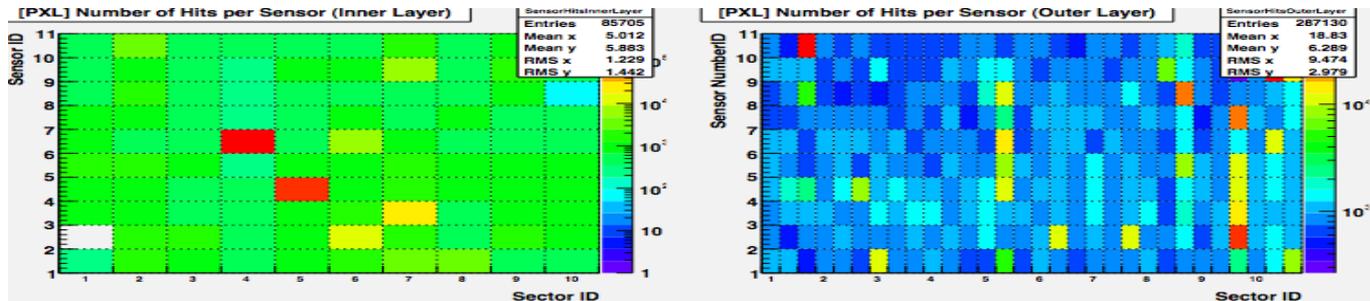
- A few beam loss events prior to March 18th went without notable impact on STAR
- We hoped that was a good indication of the protection bump success.
- Pre-fire abort & quench today tripped (almost) all STAR systems
- A major concern for STAR



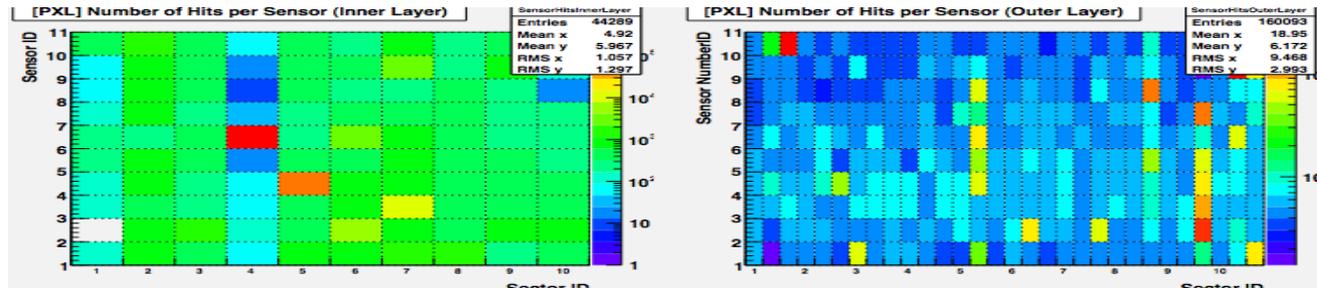
Beam Event 3/18 @9:25

HFT

Before →



After →



- No obvious critical damage for most of the HFT
- One of the inner layer sensors lost half of the read out – under investigation.



Plan for Wed. Access

- STAR would like to request restricted access
- Work plan:
 - MTD (4 people)
 - replace TDIG board
 - damage assessment from pre-fire abort
 - Gas system (4 people)
 - ED visitors inspecting the gas system
 - PXL (2 people)
 - temperature interlock installation
 - IST(1 person)
 - fiber swap for an RDO
 - BTOW (2 people)