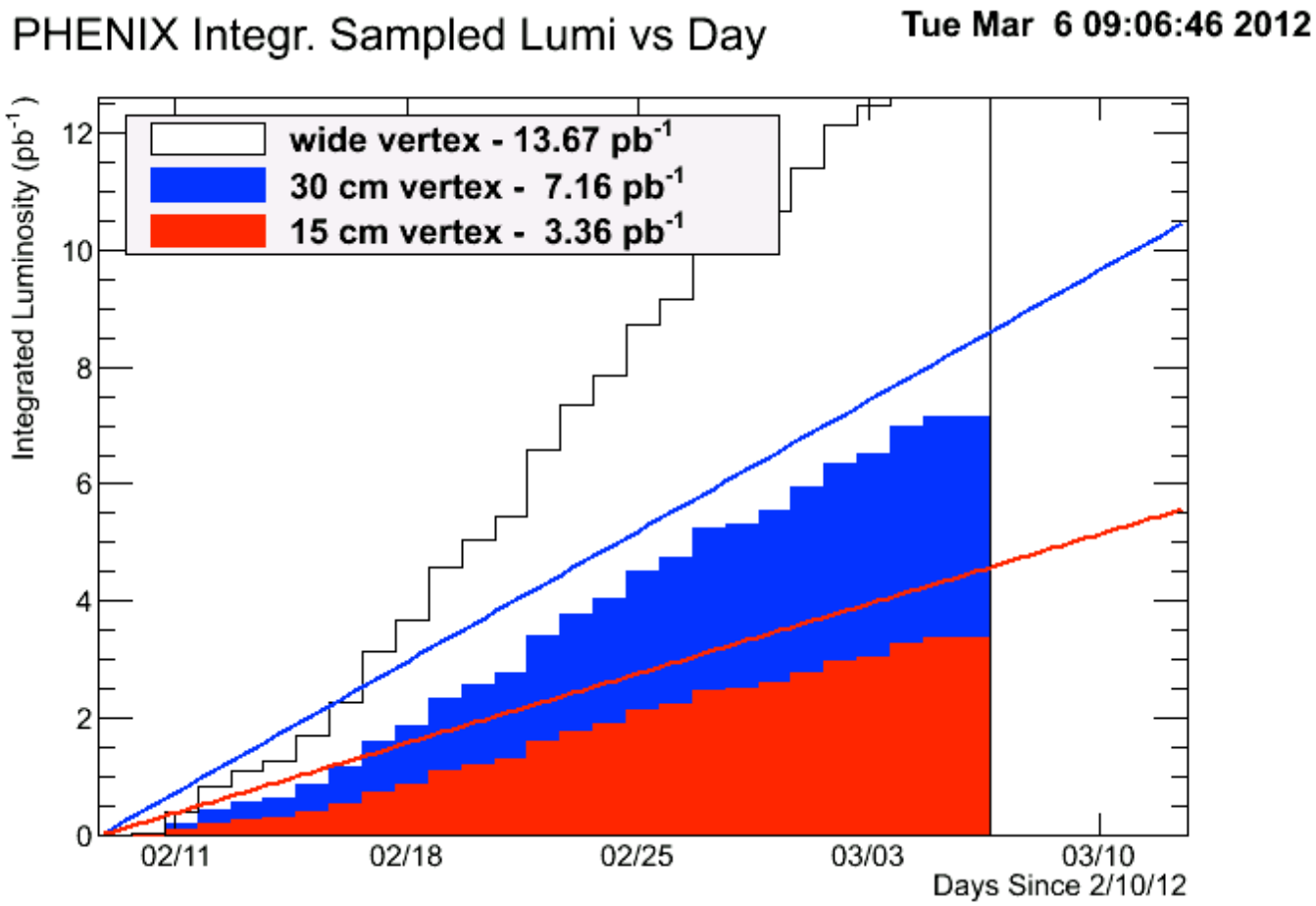
PHENIX Run-12 Status Highlights

Xiaochun He

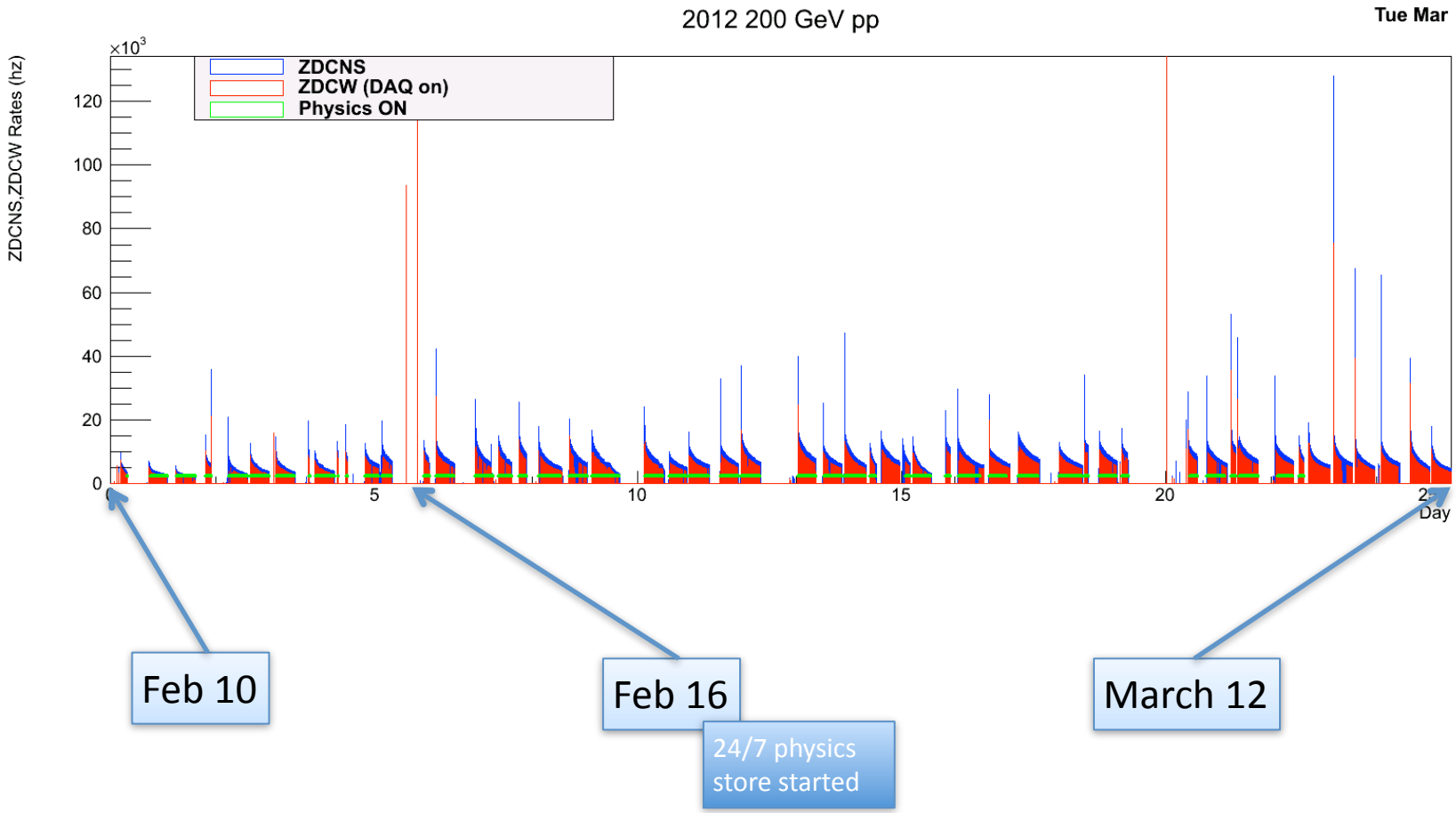
- Performed angled beam study over the weekend in order to reduce the systematic errors on A_{LL} measurement. Thanks go to C-AD for accommodating this special request, especially to Vincent and Angelika.
- Will continue on taking physics data from 200 GeV pp run until 8:00am on March 12.
- Plan to have a long access on March 14 to improve the existing cooling system for the Forward Vertex Detector (FVTX).

PHENIX Luminosity Monitoring

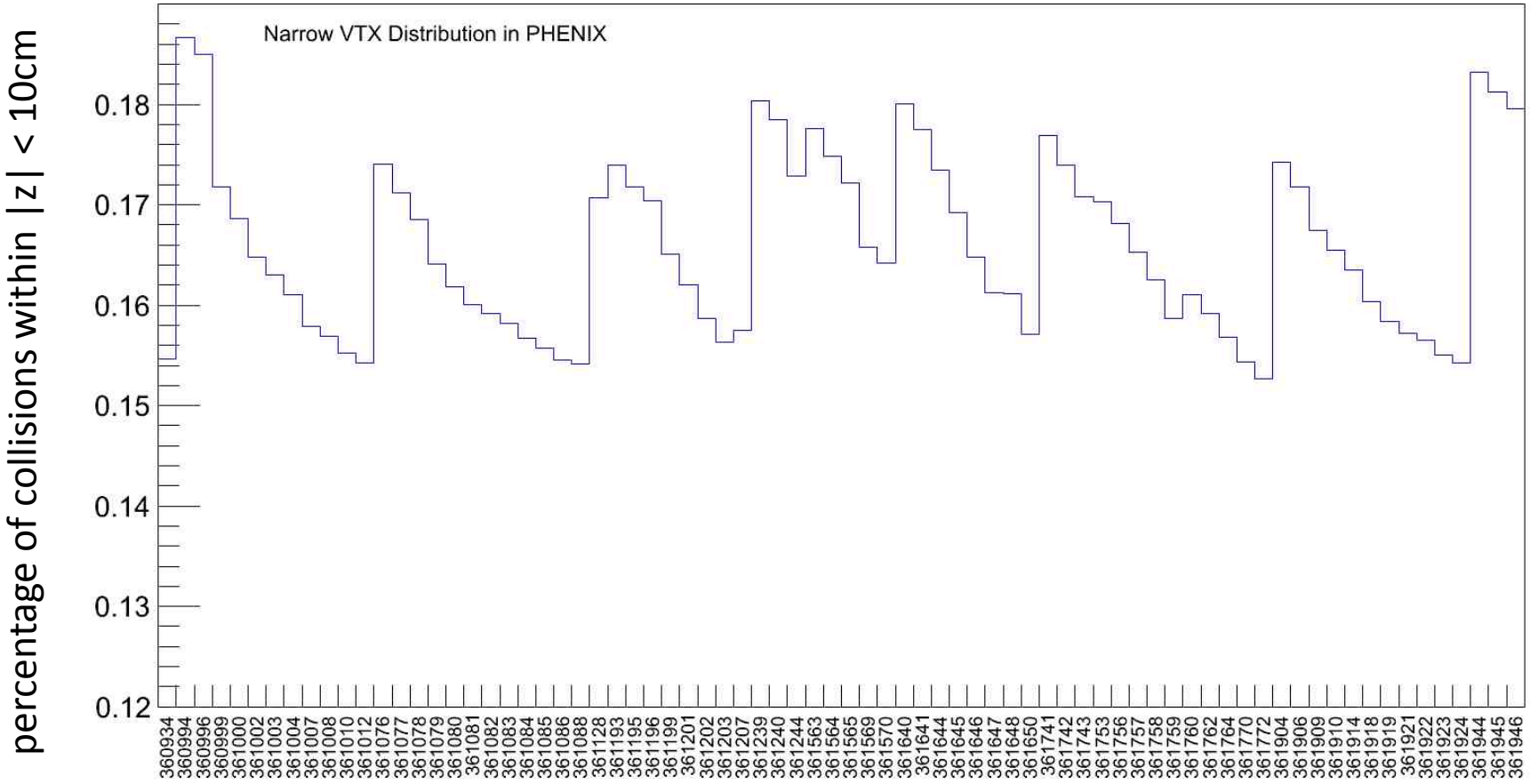


So far, we collected 59% of the data toward the VTX goal for the 200 GeV pp run.

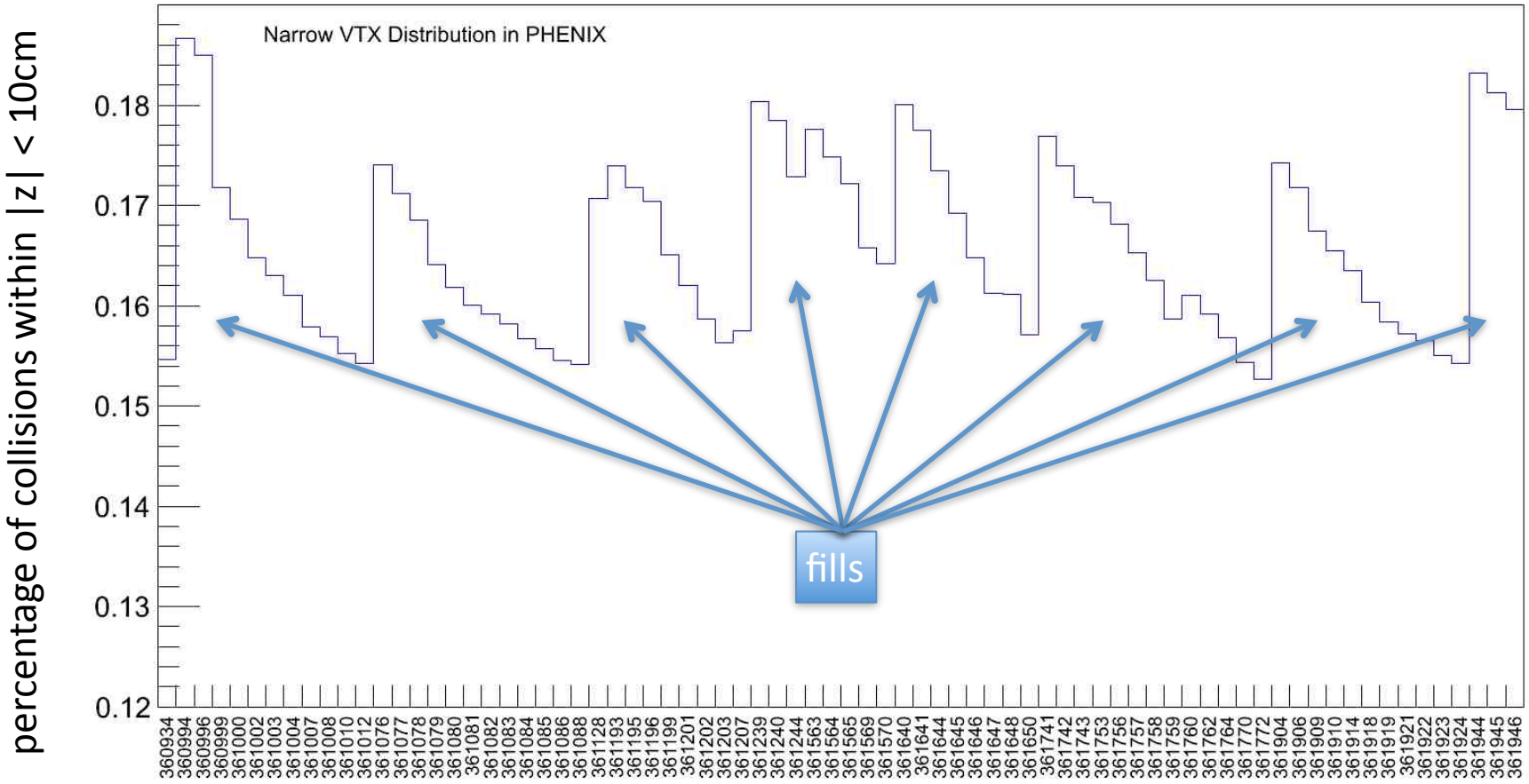
Counting Every Fills



Recent vtx Distribution (2/27 – 3/3)



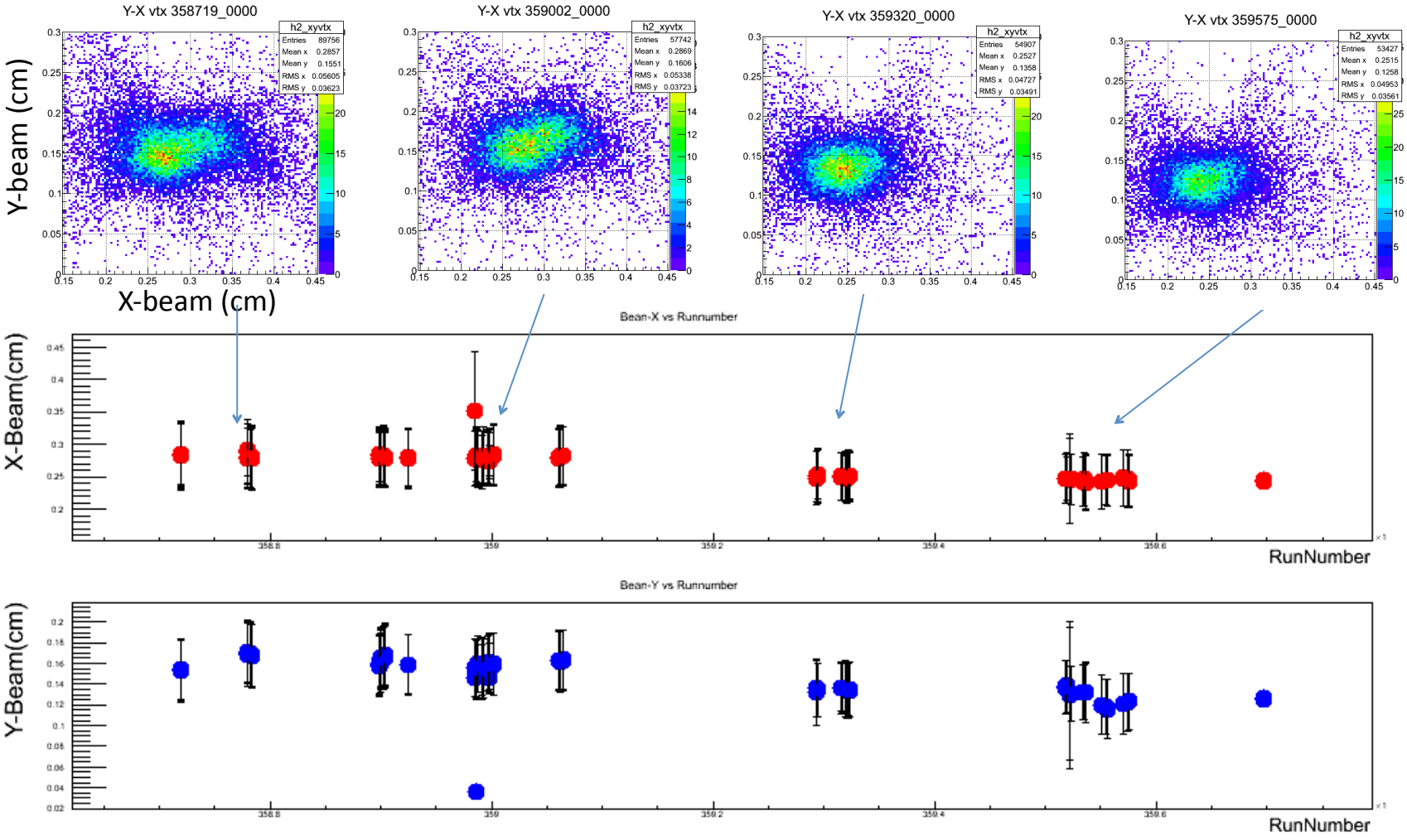
Recent vtx Distribution (2/27 – 3/3)



It is clear that less percentage of collisions within |z| < 10cm when a store progresses in time. The goal is 20%. We are expecting the same for 510 GeV pp run.

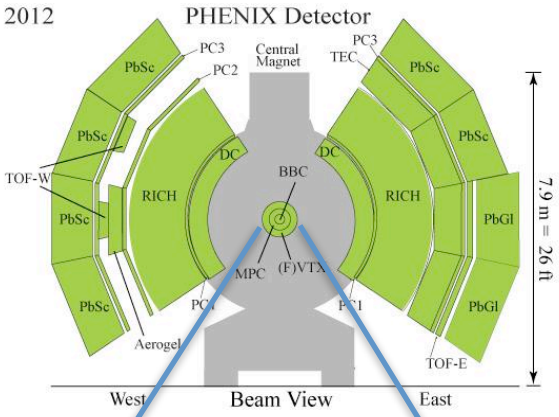
Result from fast production (do QA and tracking study)

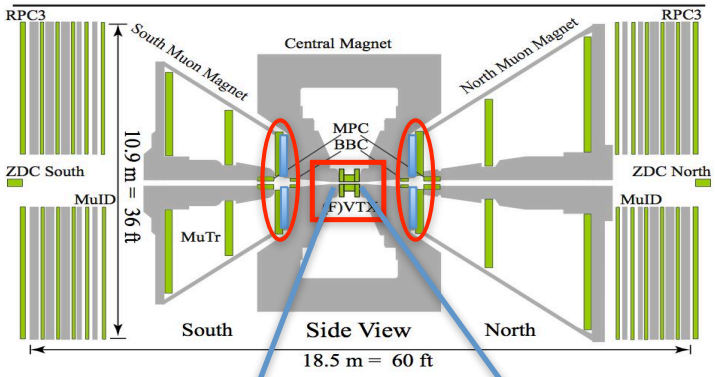
– Run dependence of the beam position in X-Y

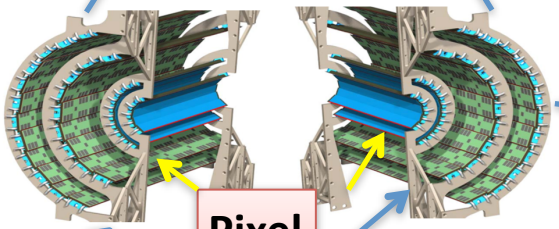


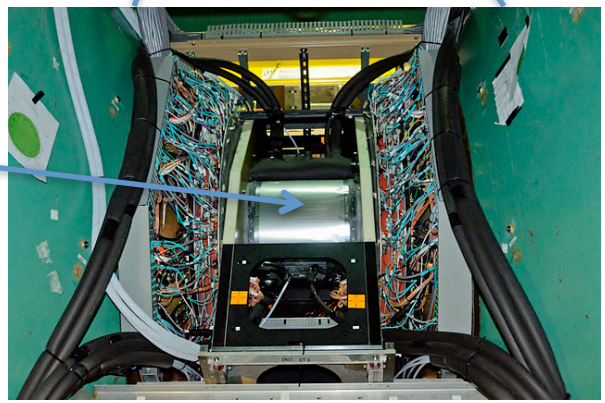
Working on Improving the Cooling System of the PHENIX Vertex Detectors

10 – 12 hours on March 14







Pixel

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