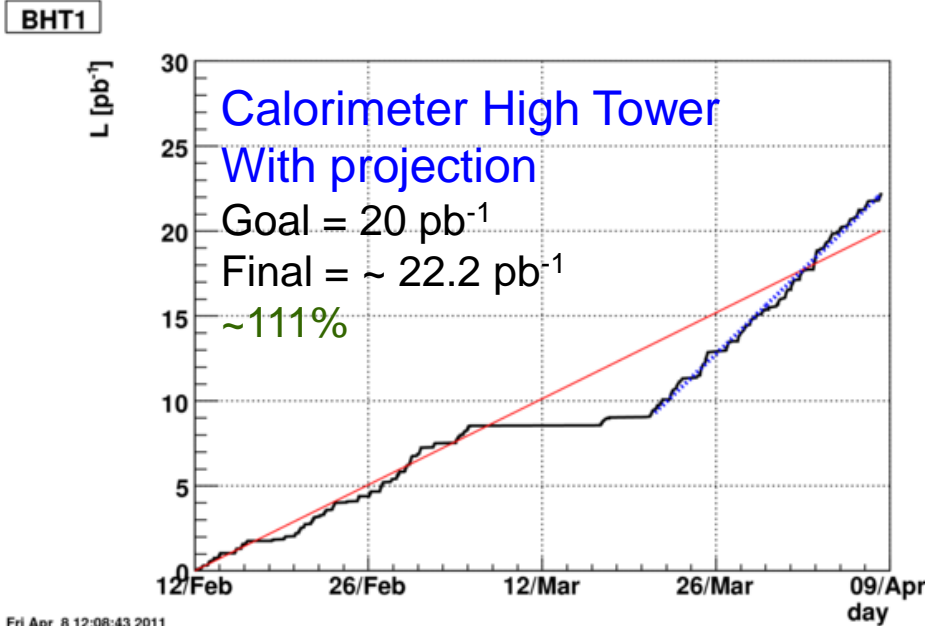
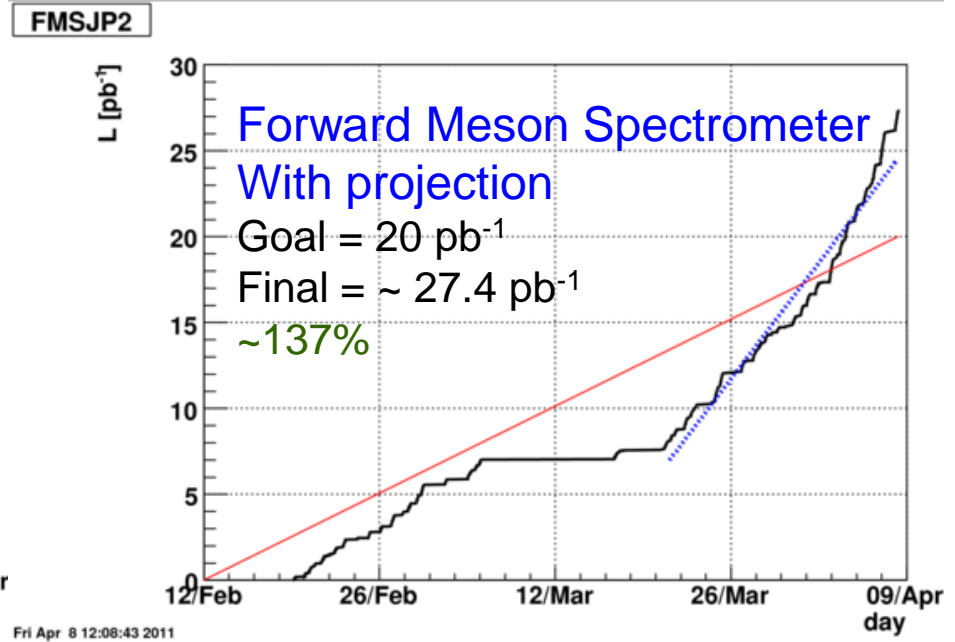
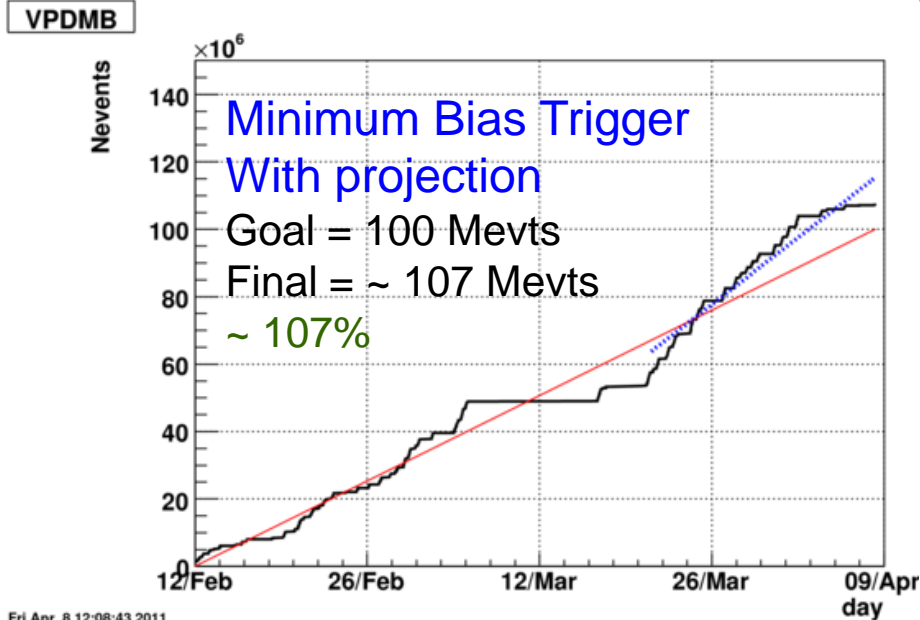


STAR Run 11 Status- pp 500 GeV Summary & request for 18 GeV AuAu

Qinghua Xu, Shandong University

RHIC Time Meeting, April 19, 2011

Sampled Luminosity for STAR FY11 pp 500 Transverse data set

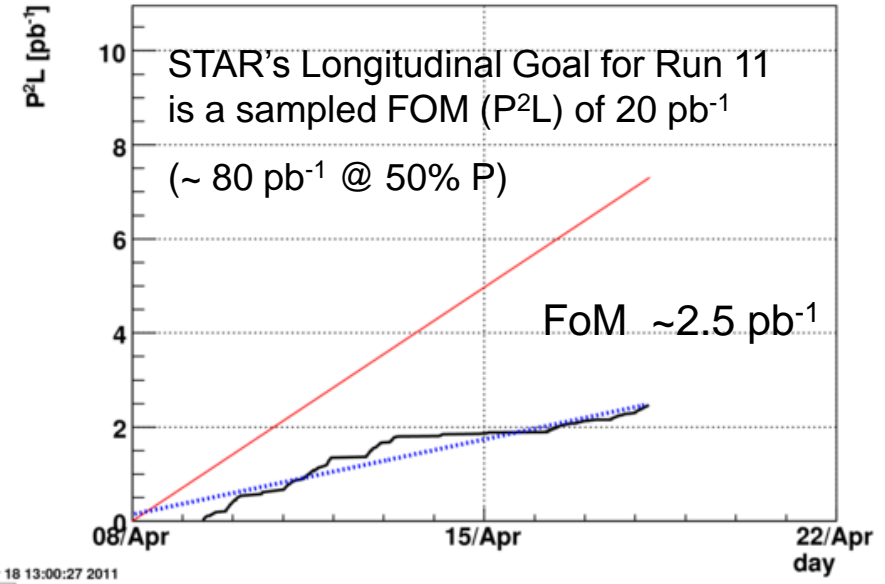
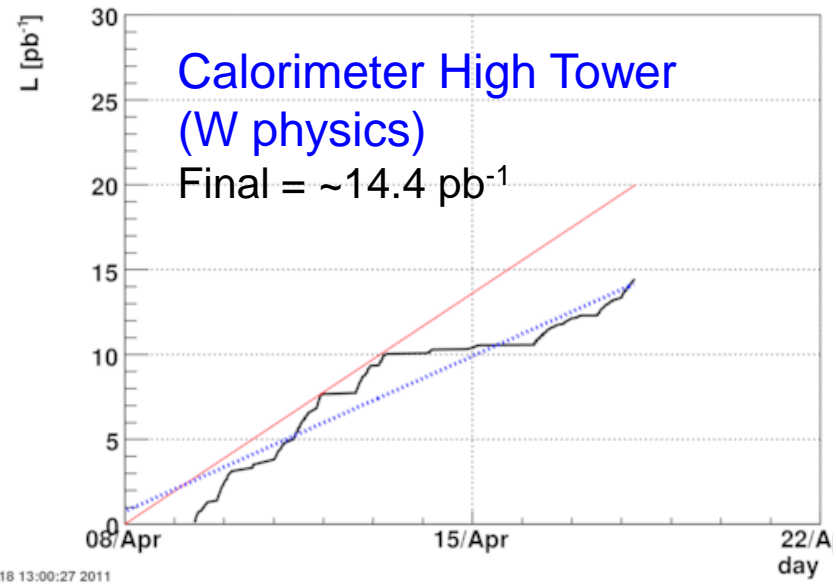


- Our goals well achieved
- 8 weeks data taking in total
- STAR has been running well

Sampled Luminosity for STAR FY11 pp 500 Longitudinal data set

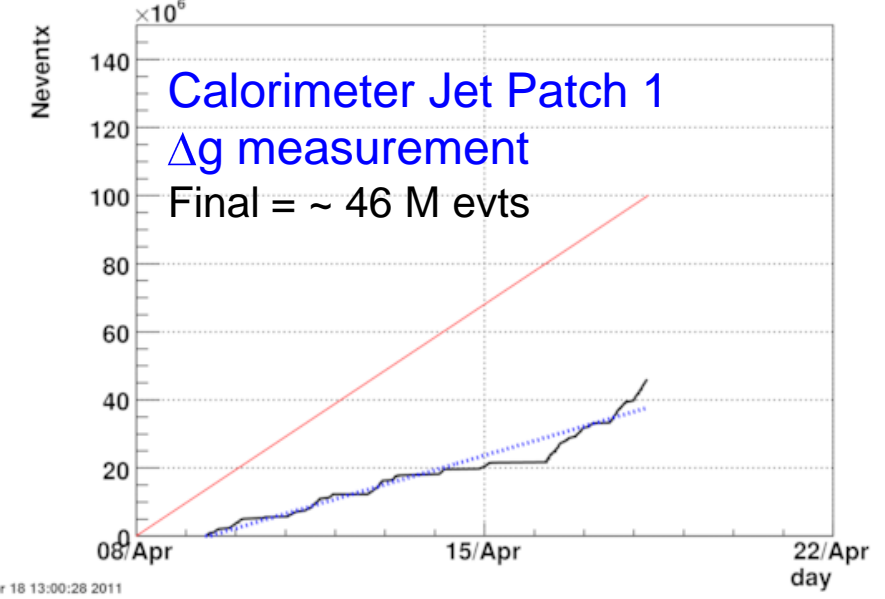
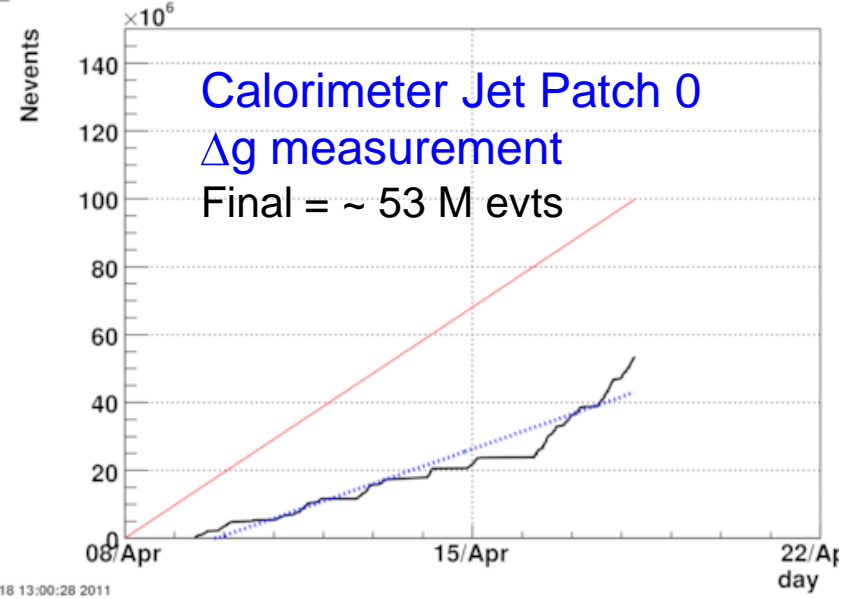
BHT3*L2BW

BHT3*L2BW

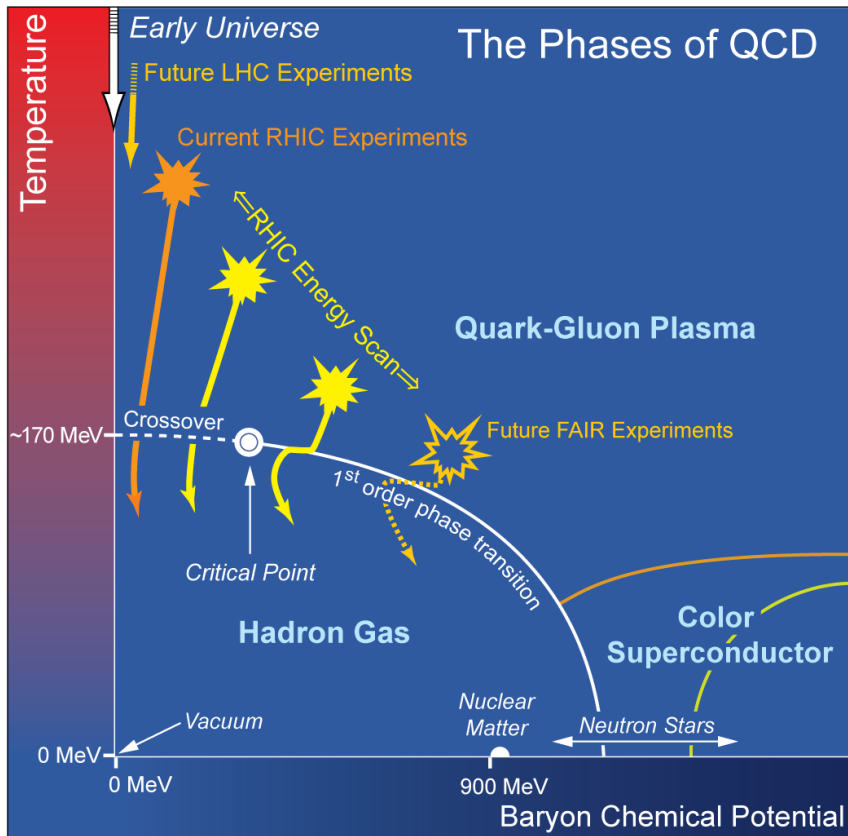


JP0

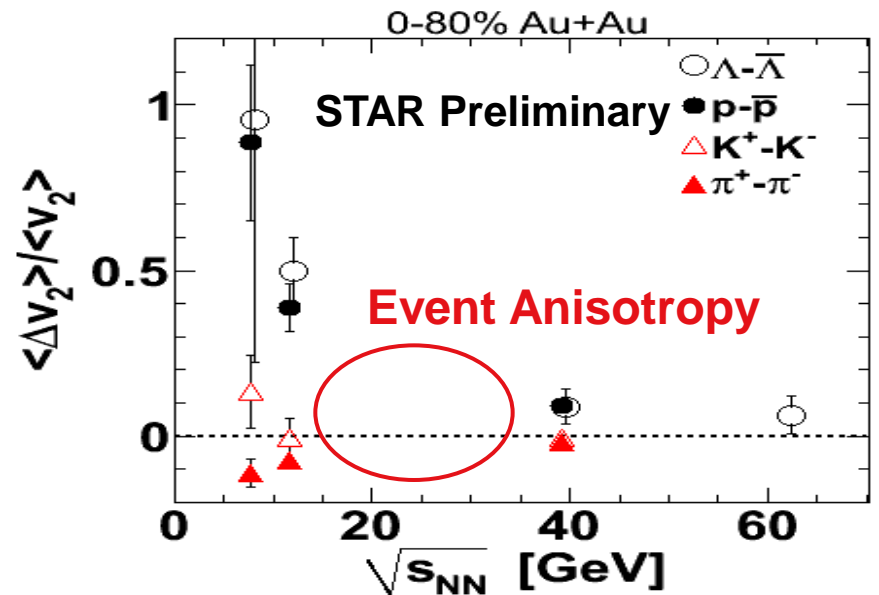
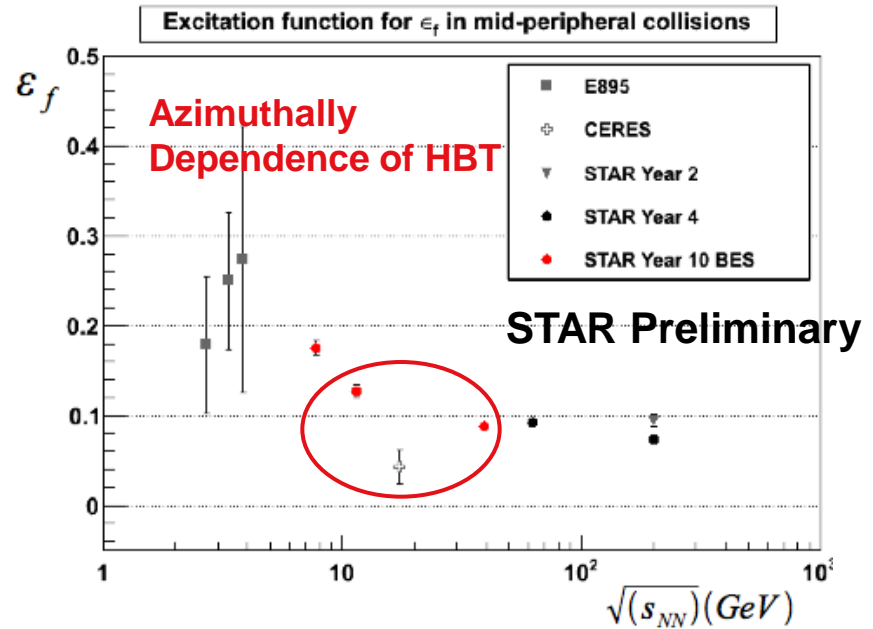
JP1



18 GeV AuAu data needed: QCD Critical Point search

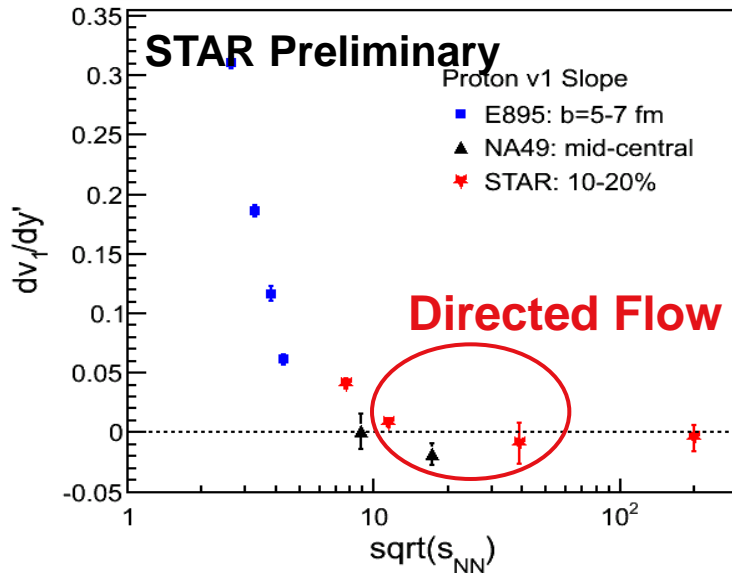
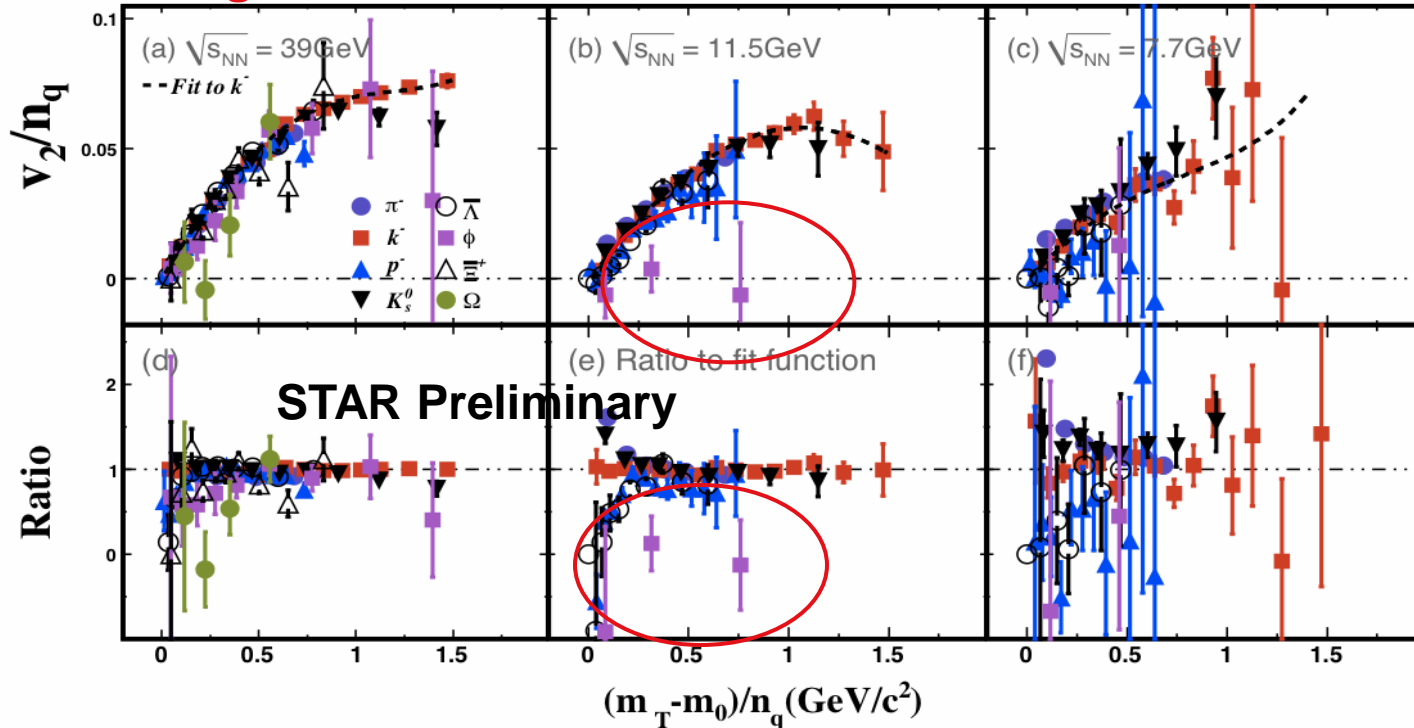


RHIC Beam Energy Scan Program:
 2010: 62.4, 39, 11.5, 7.7 GeV
 2011: **18, 27 GeV**



v_2 NCQ-Scaling:

Au+Au collisions at $\sqrt{s_{NN}} = 7.7, 11.5$ and 39 GeV, (0-80%)



- Many more motivations for precision measurements at 18 GeV

- **Our goal : 50~100M MB events.**
- **STAR is ready for 18 GeV AuAu!**