

PHENIX Cu+Au Run Status (5/29)

Xiaochun He

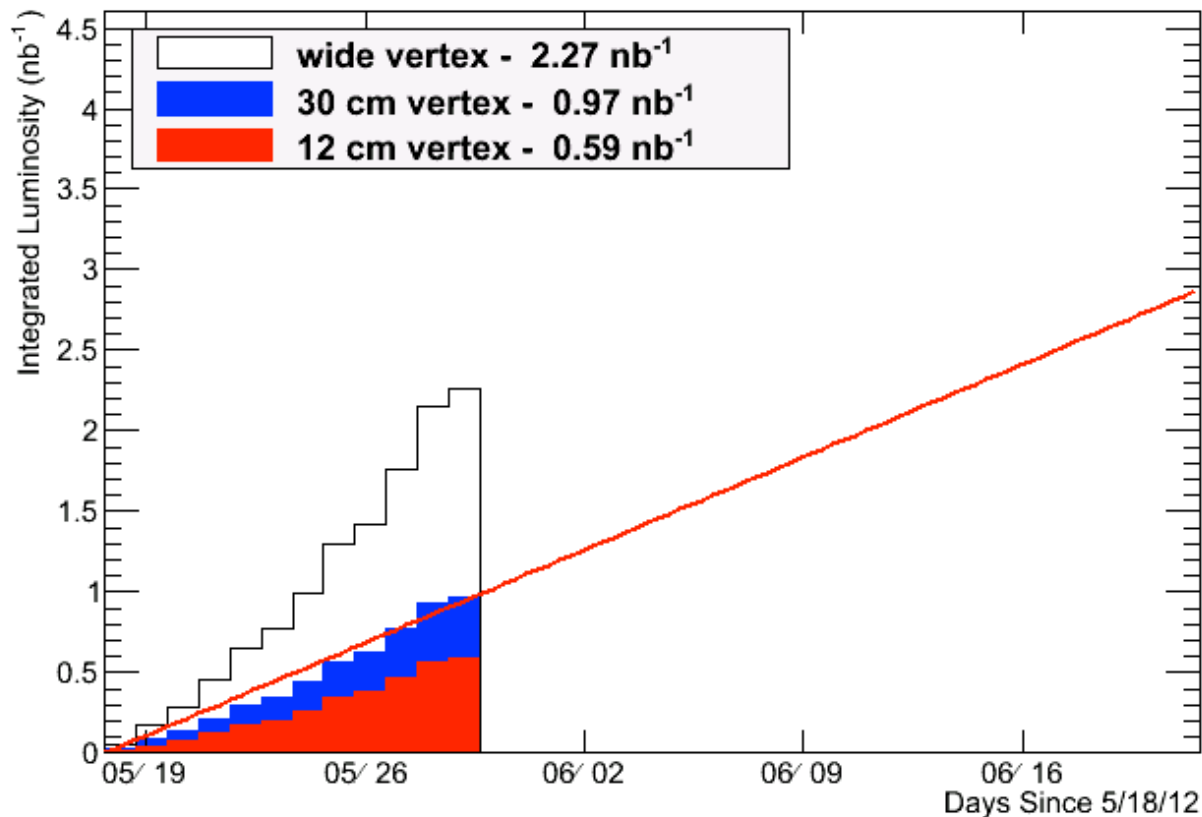
- PHENIX is taking good data. Higher bunch intensity will be helpful for achieving the goal of the sampled luminosity.
- Fast data production in the counting house showed very interesting and promising trend of physics we are looking for.
- The portable air-conditioning unit helped a lot on maintaining a relatively stable temperature range in the PHENIX electronic room. Many thanks to everyone involved.

Goal: 2.4 nb^{-1} for $|z| < 10 \text{ cm}$

Sampled Integrated Luminosity

PHENIX Integr. Sampled Lumi vs Day

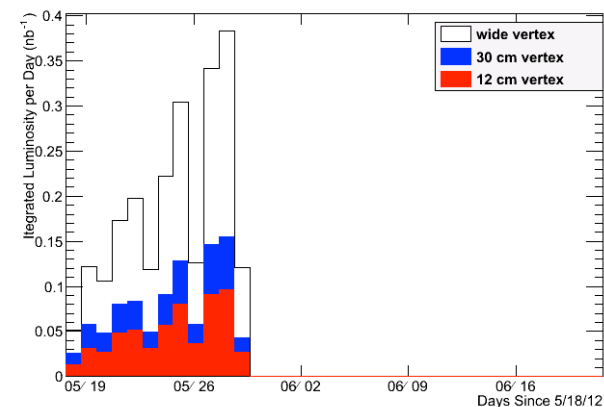
Tue May 29 09:06:35 2012



Daily Sample

PHENIX Integr. Sampled Lumi/Day vs Day

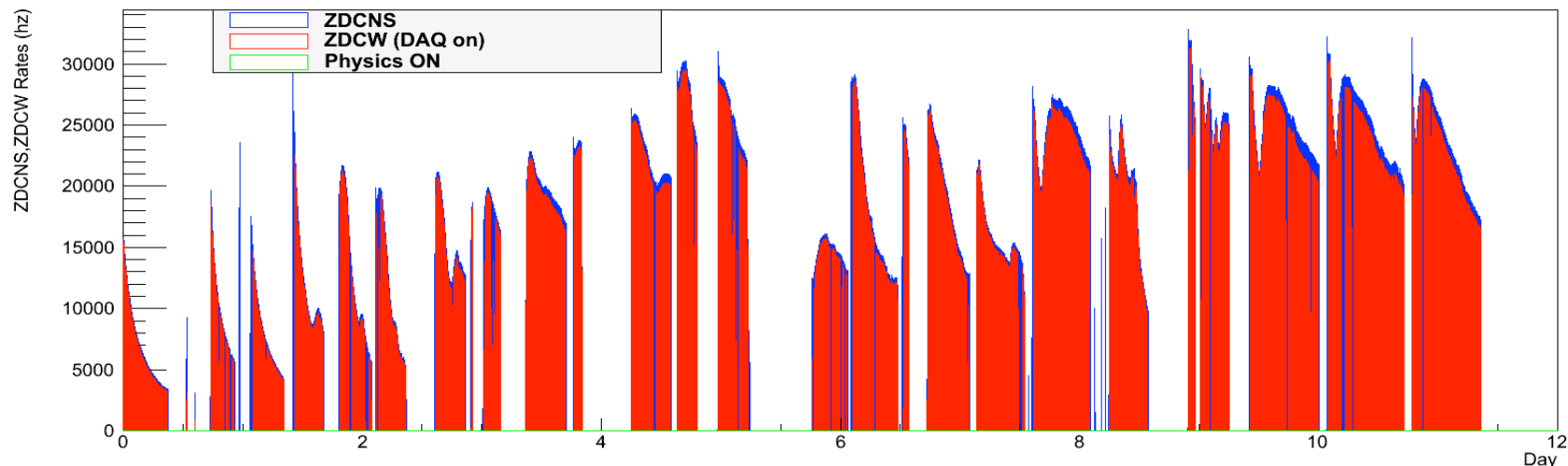
Tue May 29 09:06:35 2012



Improving the Data Taking Efficiency

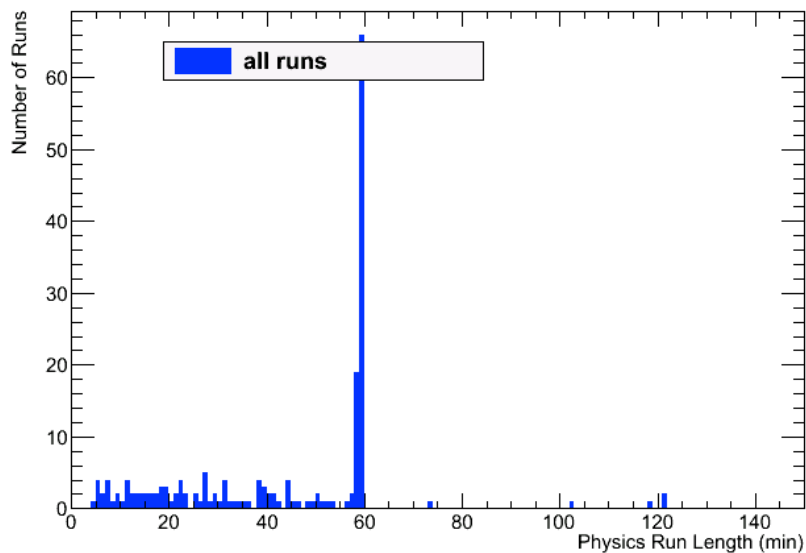
2012 200 GeV CuAu

Tue May 29 09:00:10 2012



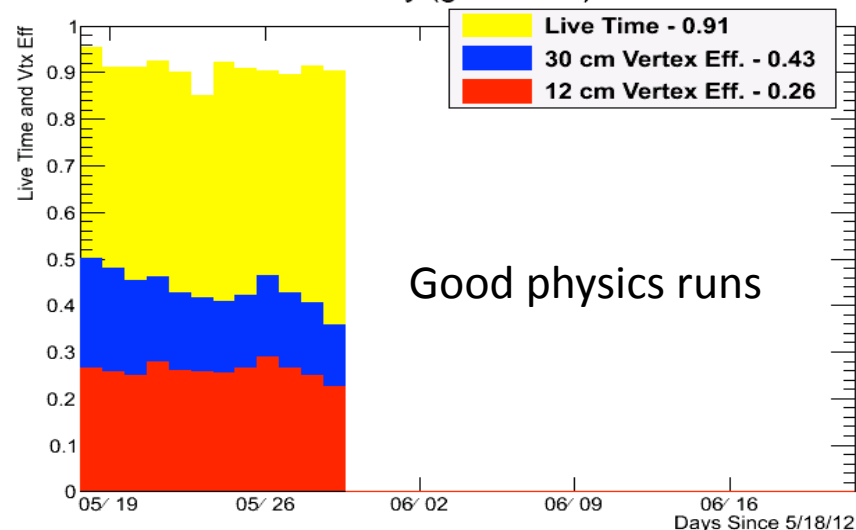
Length of Physics Runs (min)

Tue May 29 09:06:35 2012



PHENIX Efficiencies vs Day (good runs)

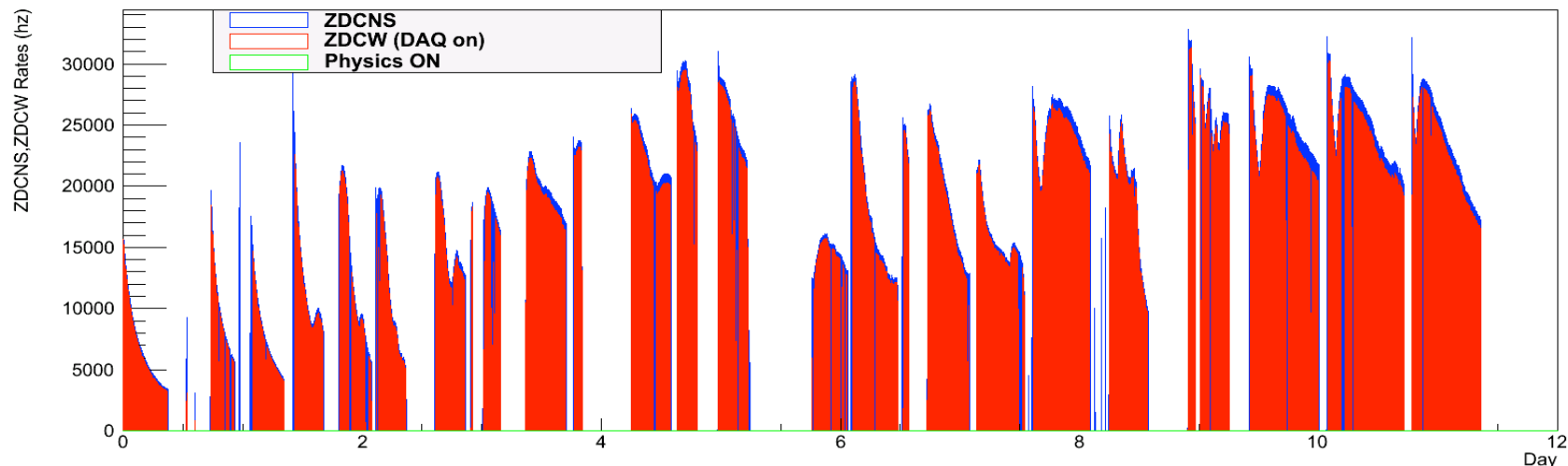
Tue May 29 09:06:35 2012



Improving the Data Taking Efficiency

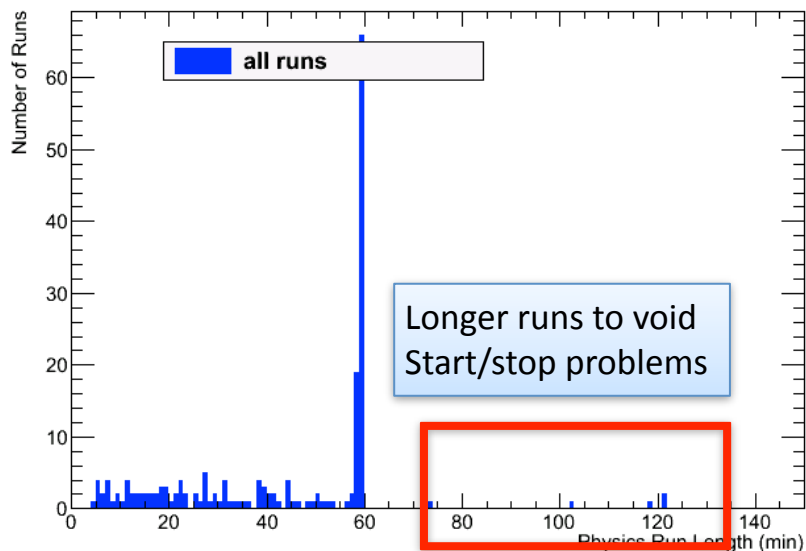
2012 200 GeV CuAu

Tue May 29 09:00:10 2012



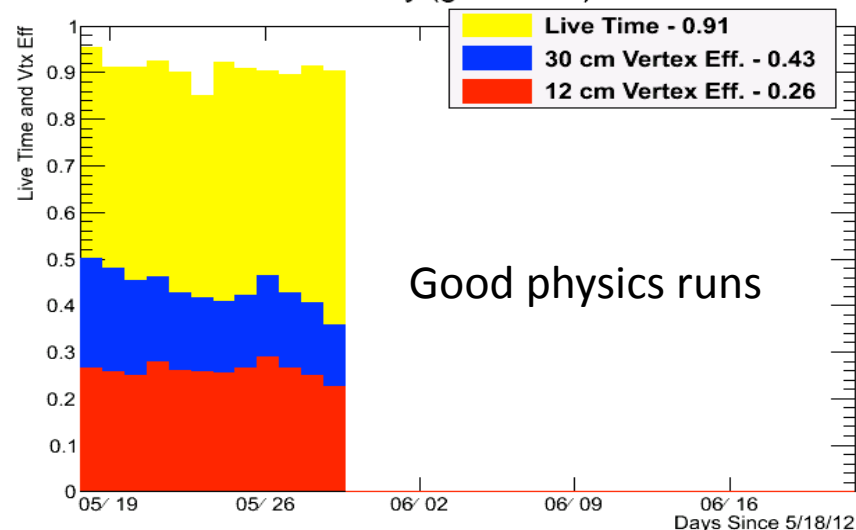
Length of Physics Runs (min)

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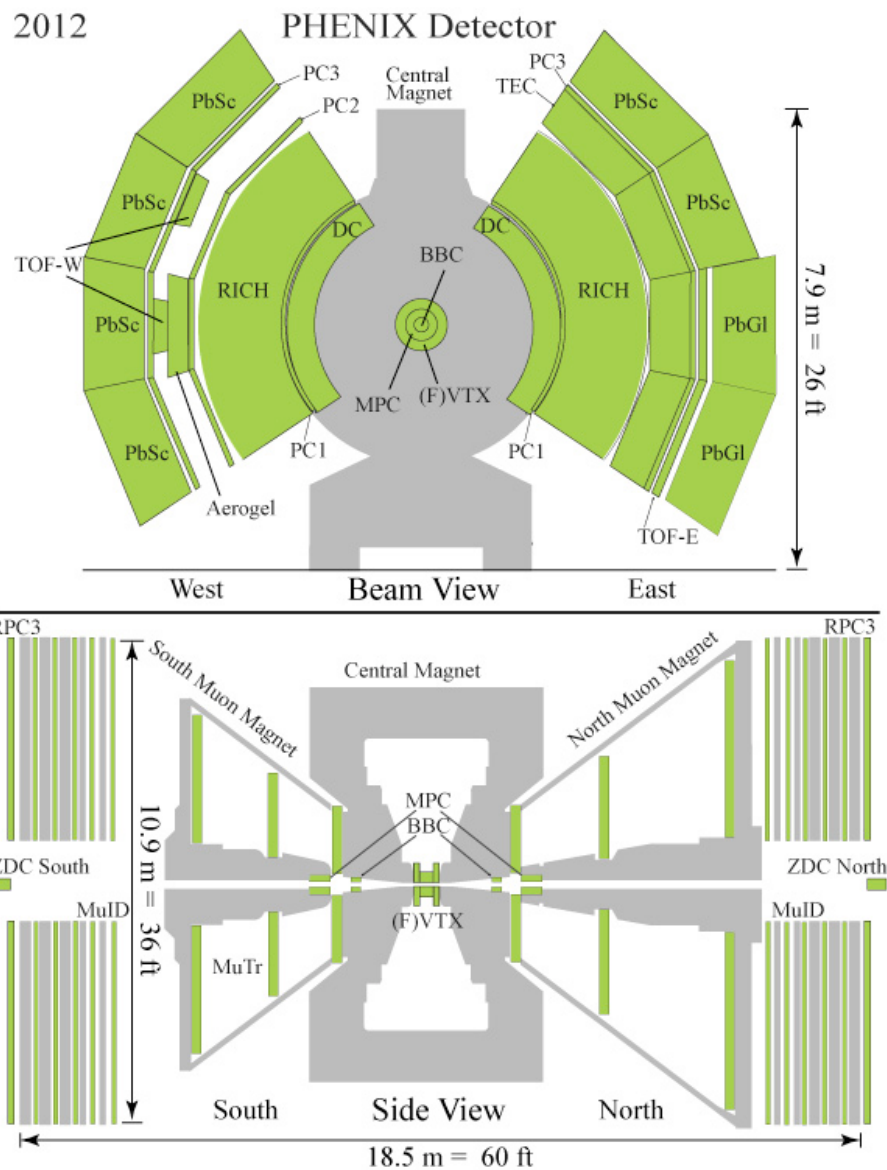


PHENIX Efficiencies vs Day (good runs)

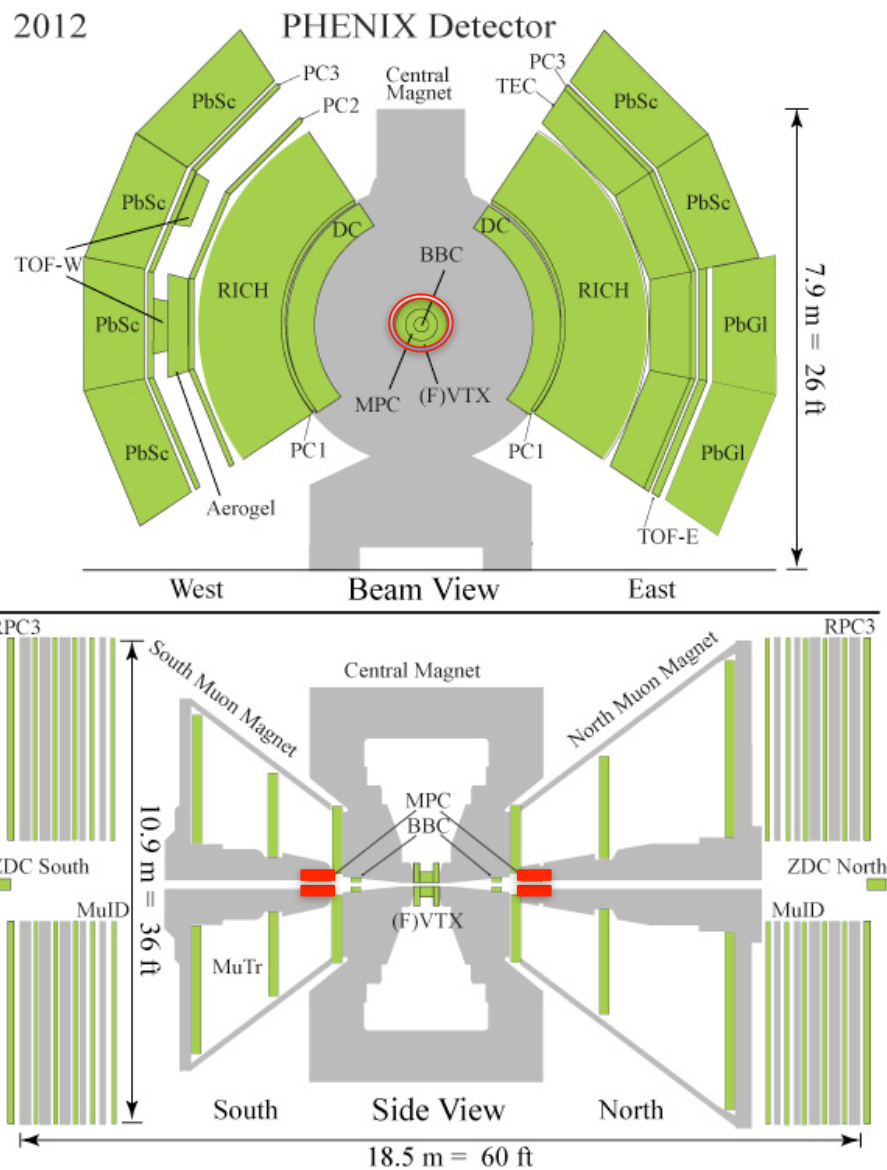
Tue May 29 09:06:35 2012



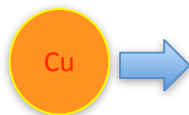
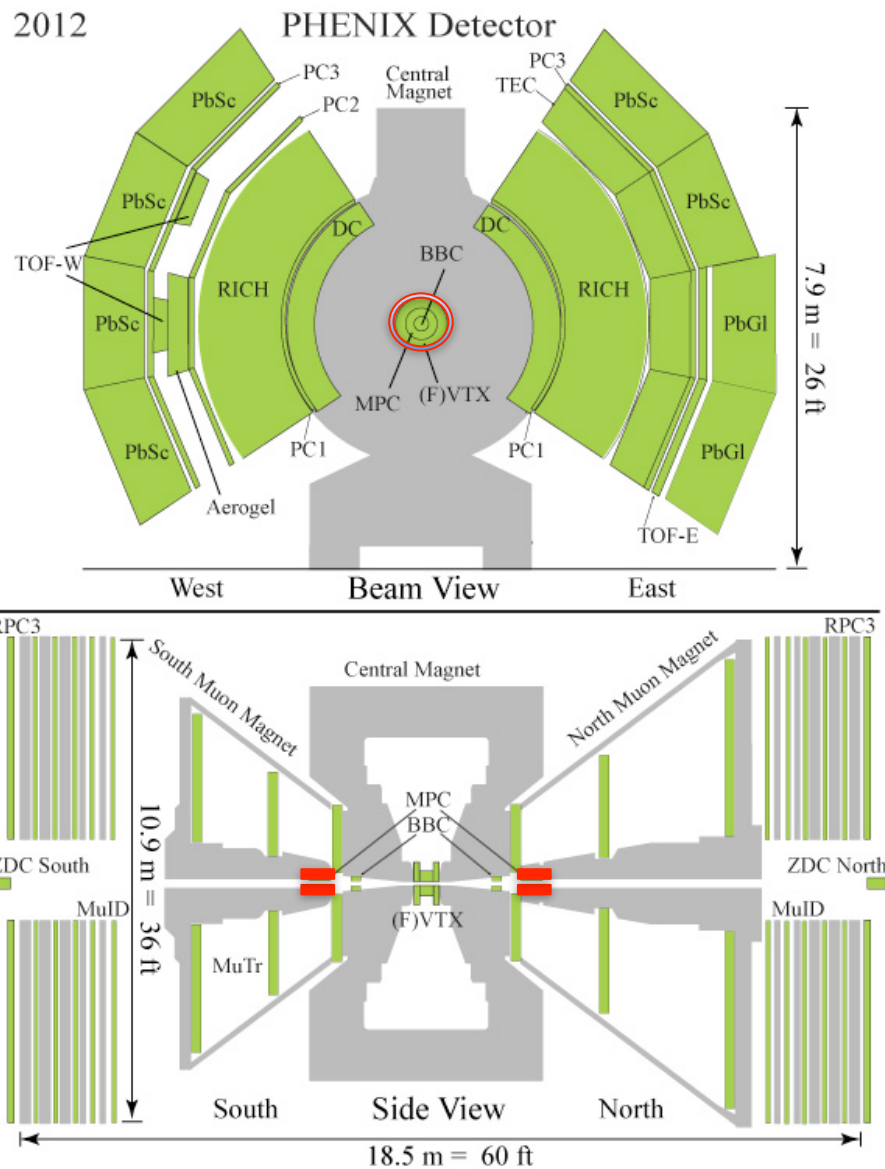
Run-12 Configuration



Run-12 Configuration

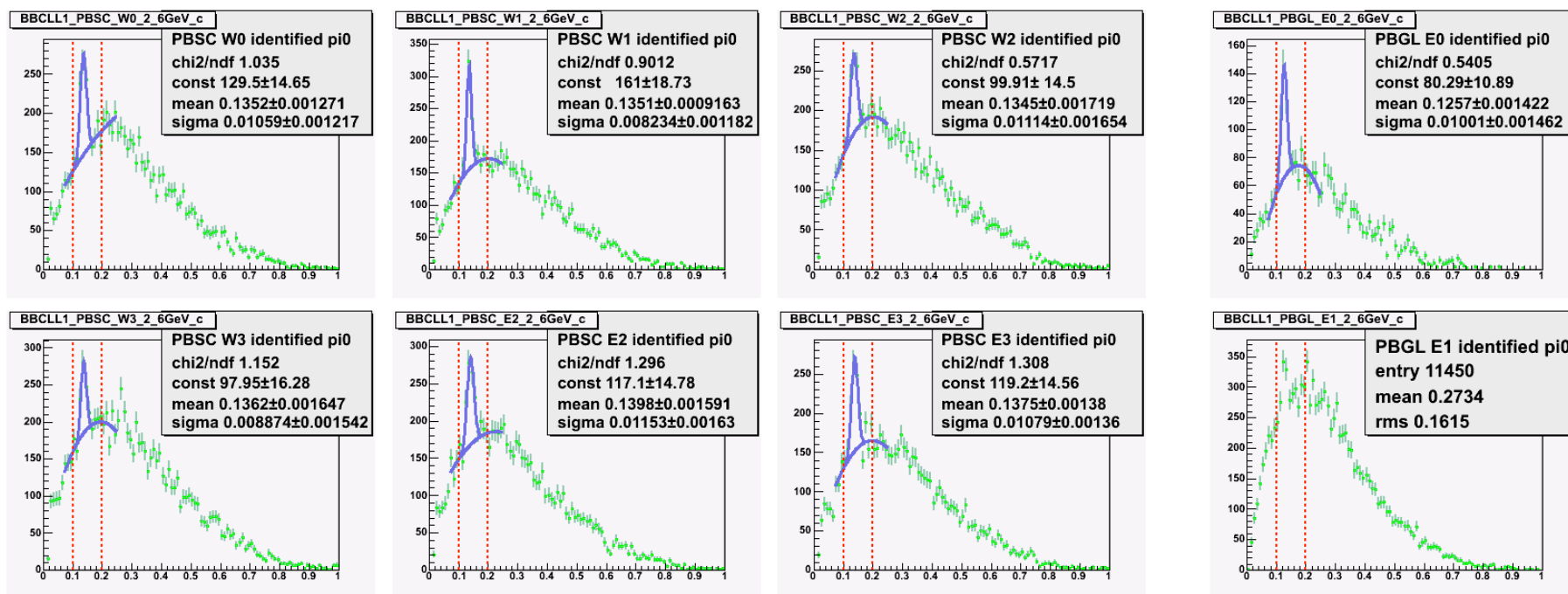


Run-12 Configuration



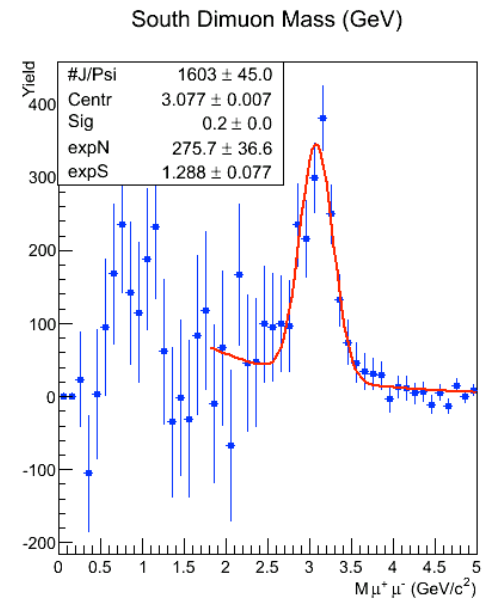
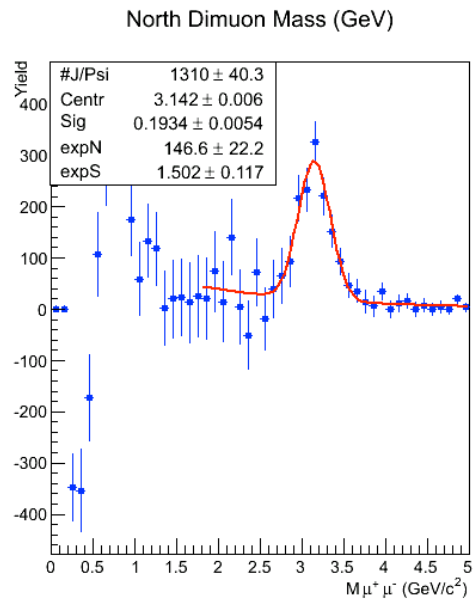
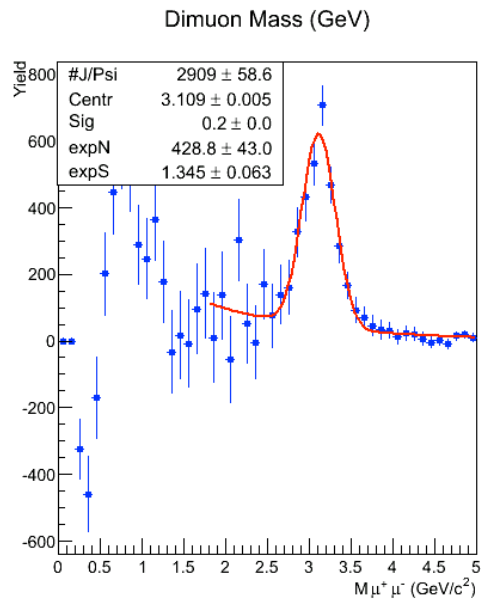
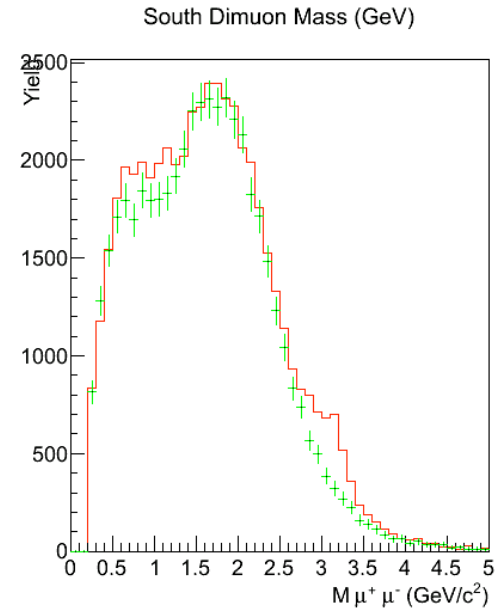
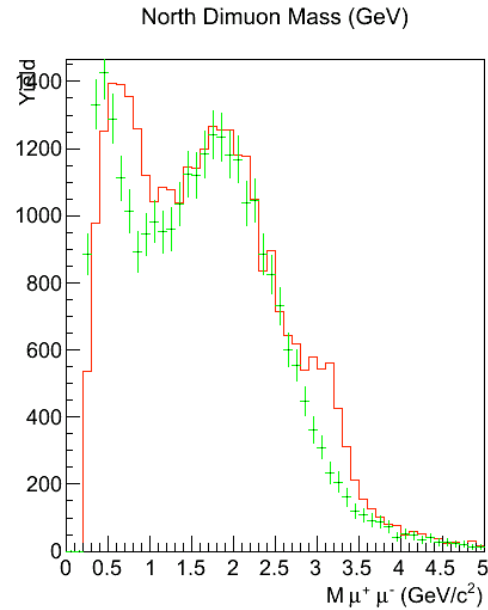
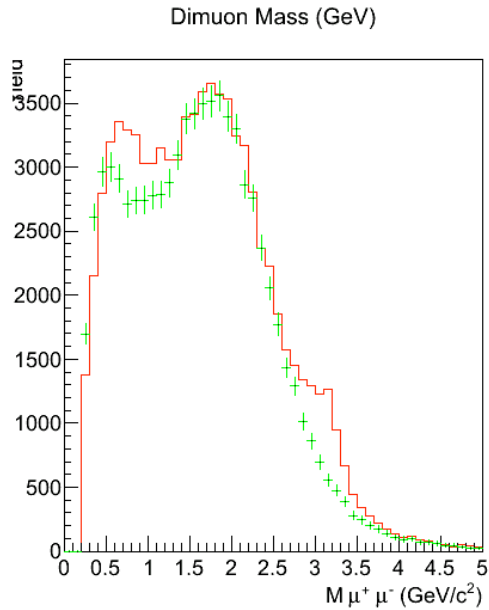
π^0 Samples

From the Electromagnetic Calorimeter

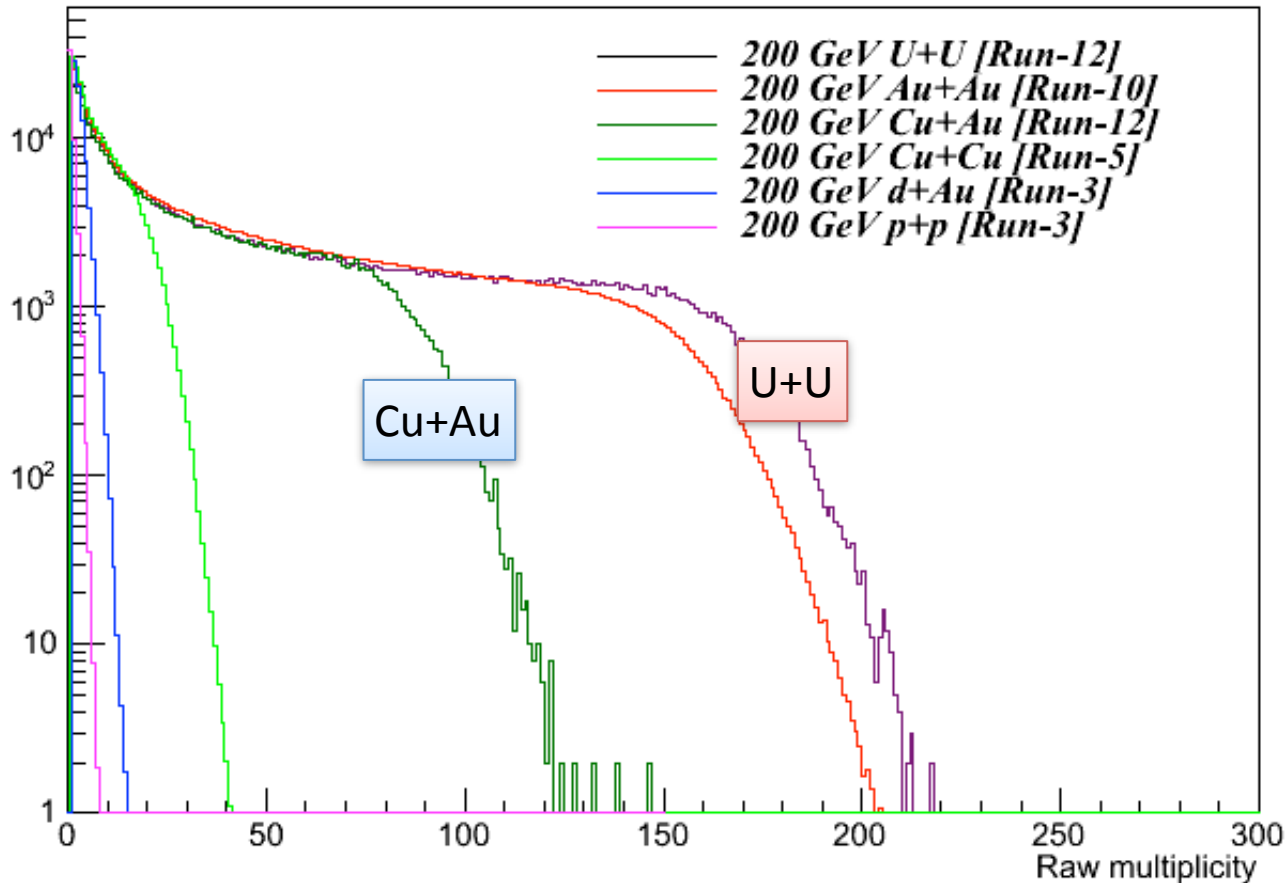


Data is from a run taken yesterday.

J/ψ Samples from Muon Arms

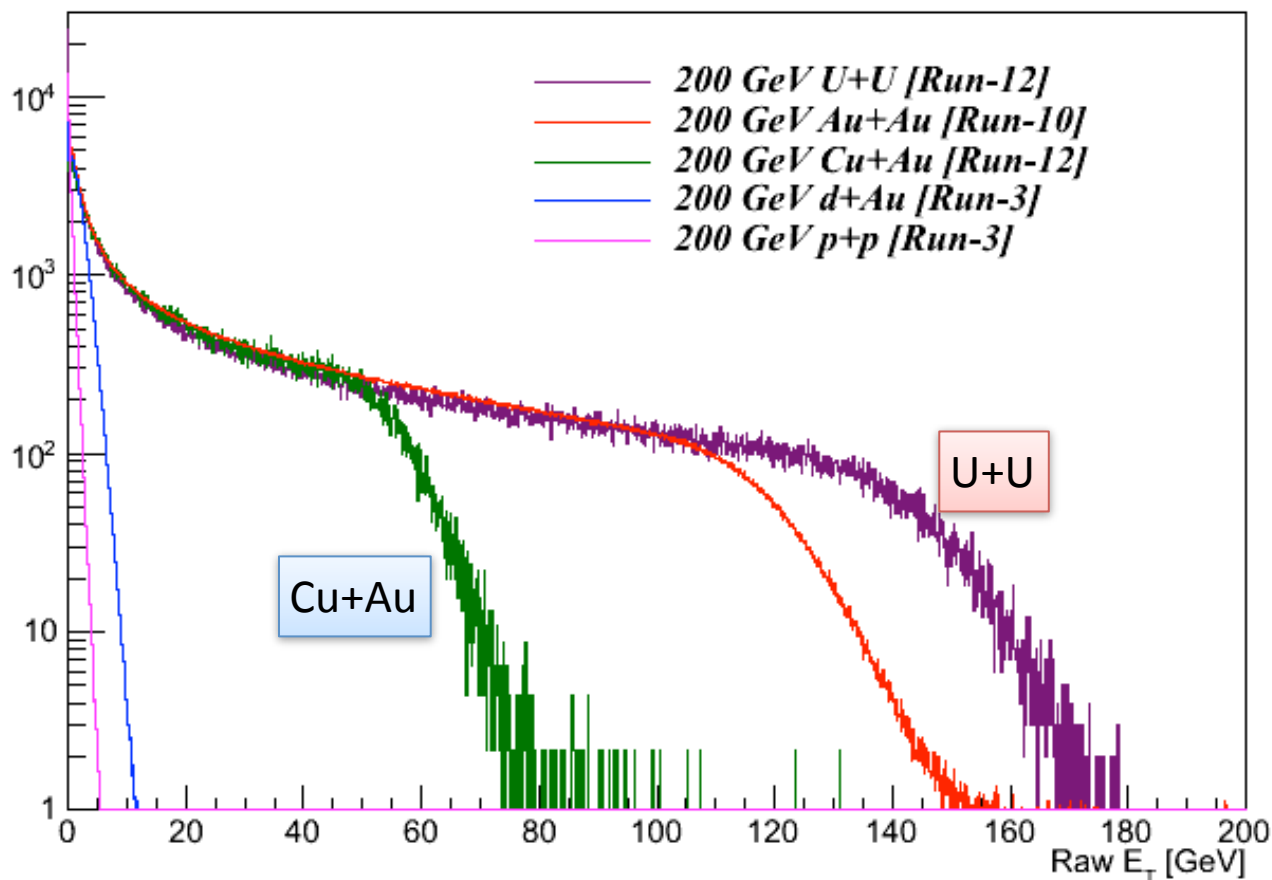


Cu+Au Multiplicity Distribution



These are all raw values. No corrections for acceptance, efficiency, etc. have been applied.

Cu+Au Transverse Energy



These are all raw values. No corrections for acceptance, efficiency, etc. have been applied.

PHENIX Rack Room Temperature



This near-term solution seems OK for now!!!