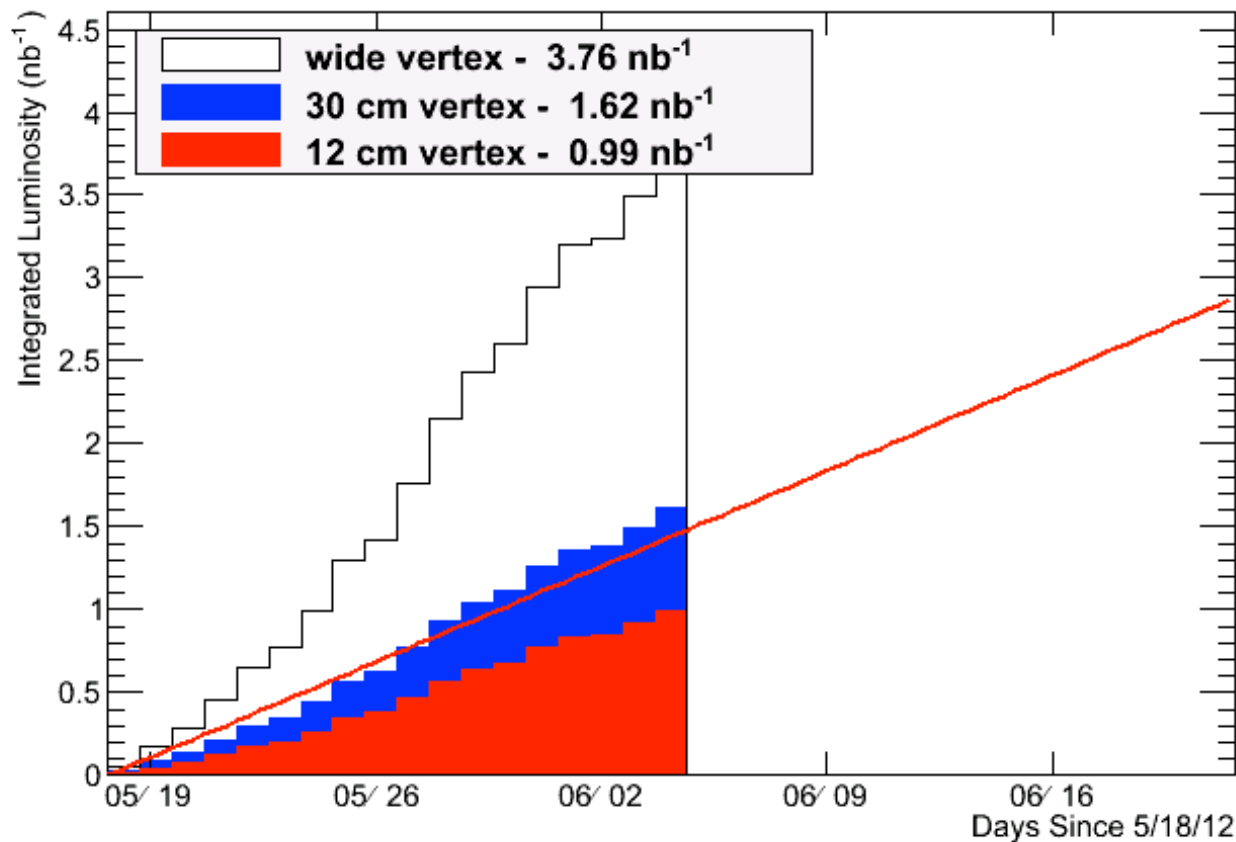


Sampled Integrated Luminosity

PHENIX Integr. Sampled Lumi vs Day

Tue Jun 5 09:08:57 2012

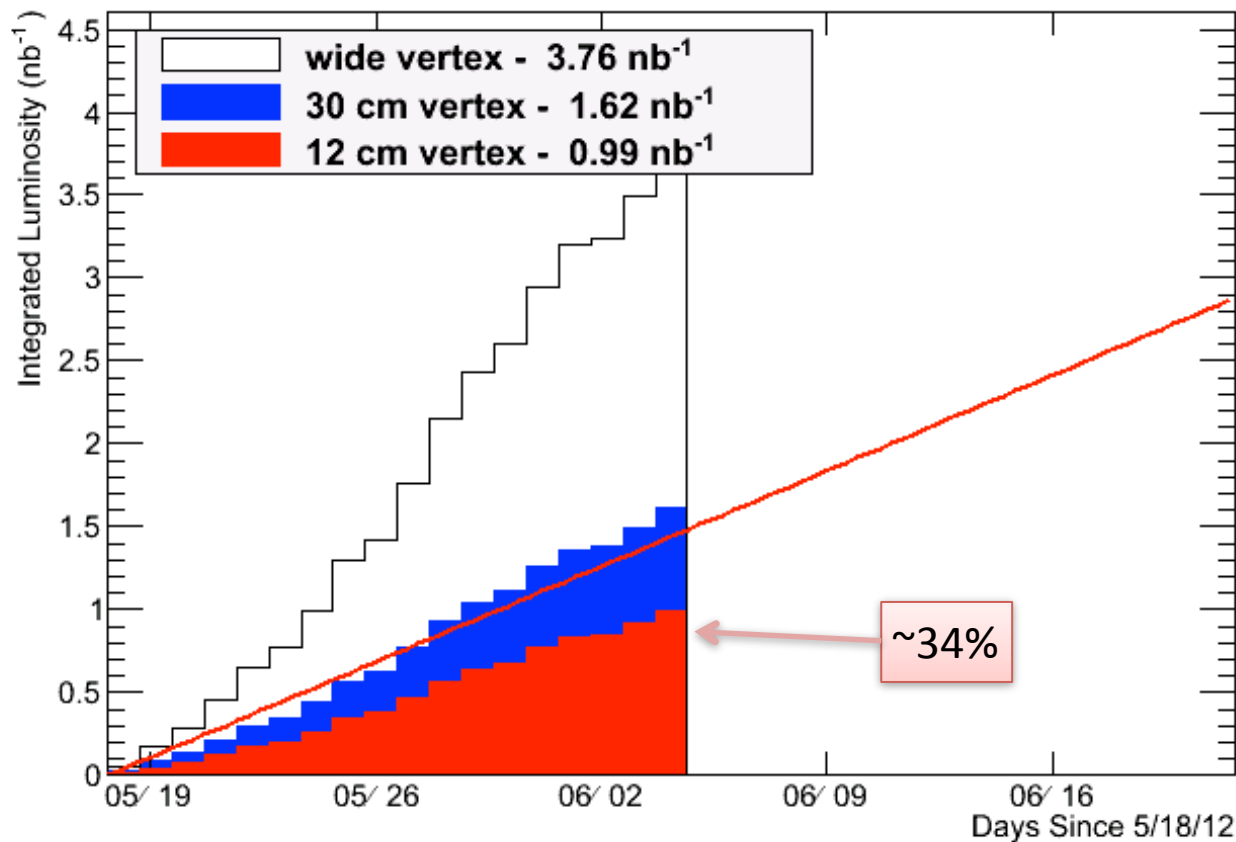


Goal: 2.4 nb^{-1} for $|z| < 10$ cm

Sampled Integrated Luminosity

PHENIX Integr. Sampled Lumi vs Day

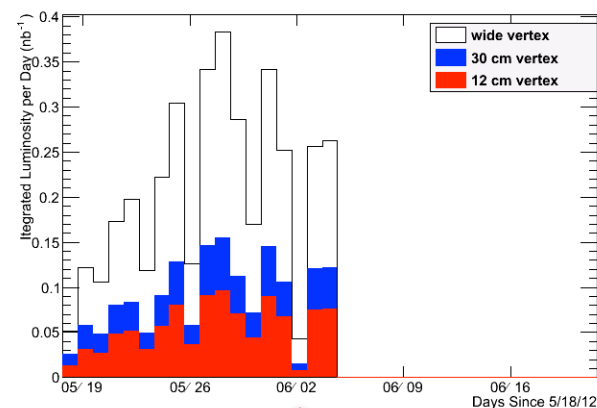
Tue Jun 5 09:08:57 2012



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

Daily Sample

PHENIX Integr. Sampled Lumi/Day vs Day Tue Jun 5 09:08:57 2012

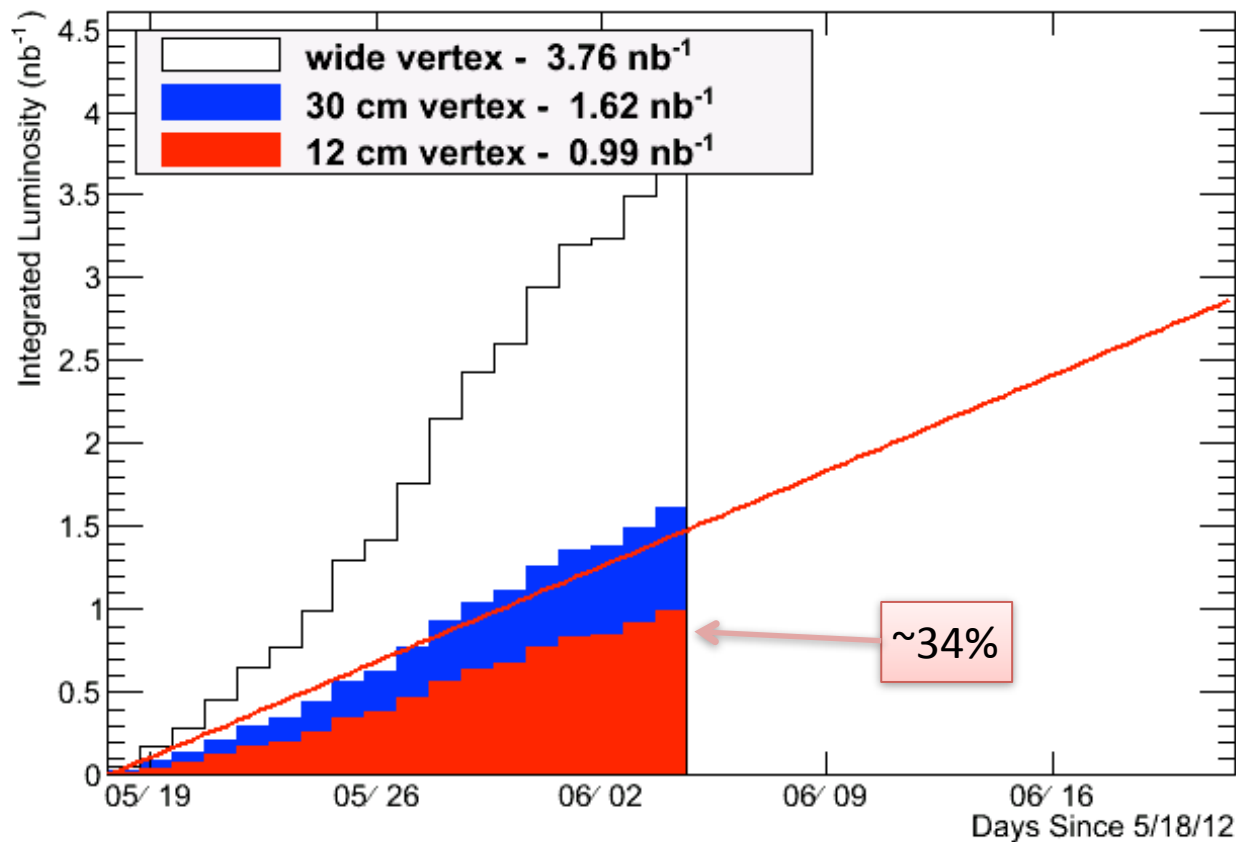


Power dip

Sampled Integrated Luminosity

PHENIX Integr. Sampled Lumi vs Day

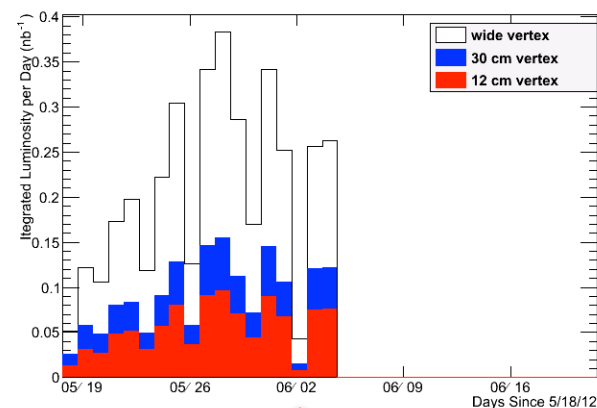
Tue Jun 5 09:08:57 2012



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

Daily Sample

PHENIX Integr. Sampled Lumi/Day vs Day Tue Jun 5 09:08:57 2012



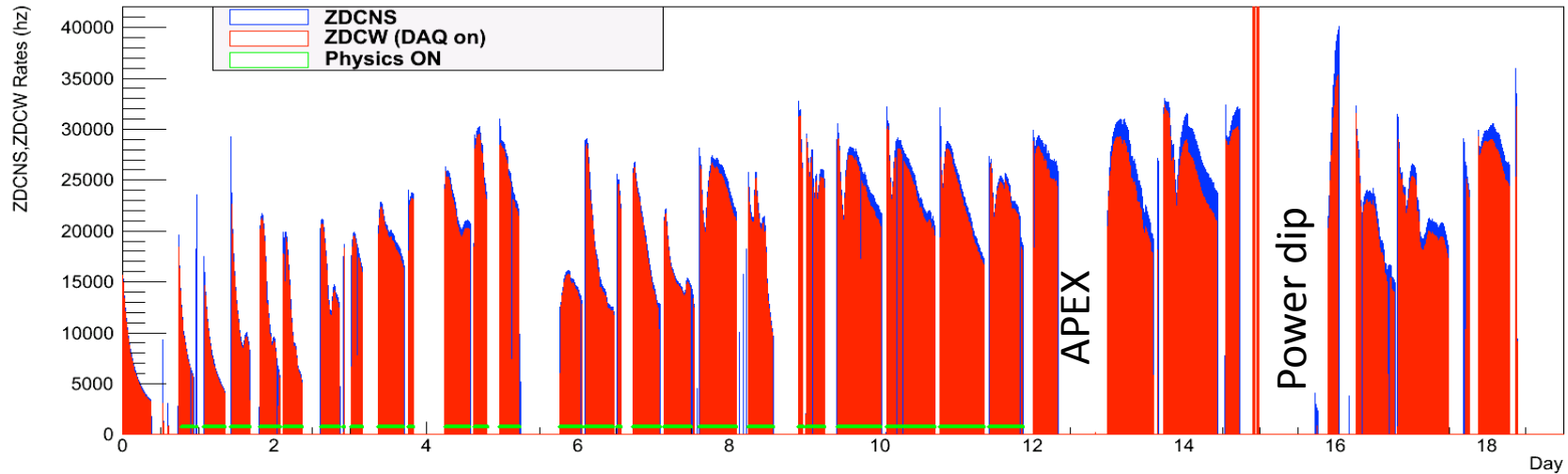
Power dip



Improved Bunch Intensity and Vertex Distributions

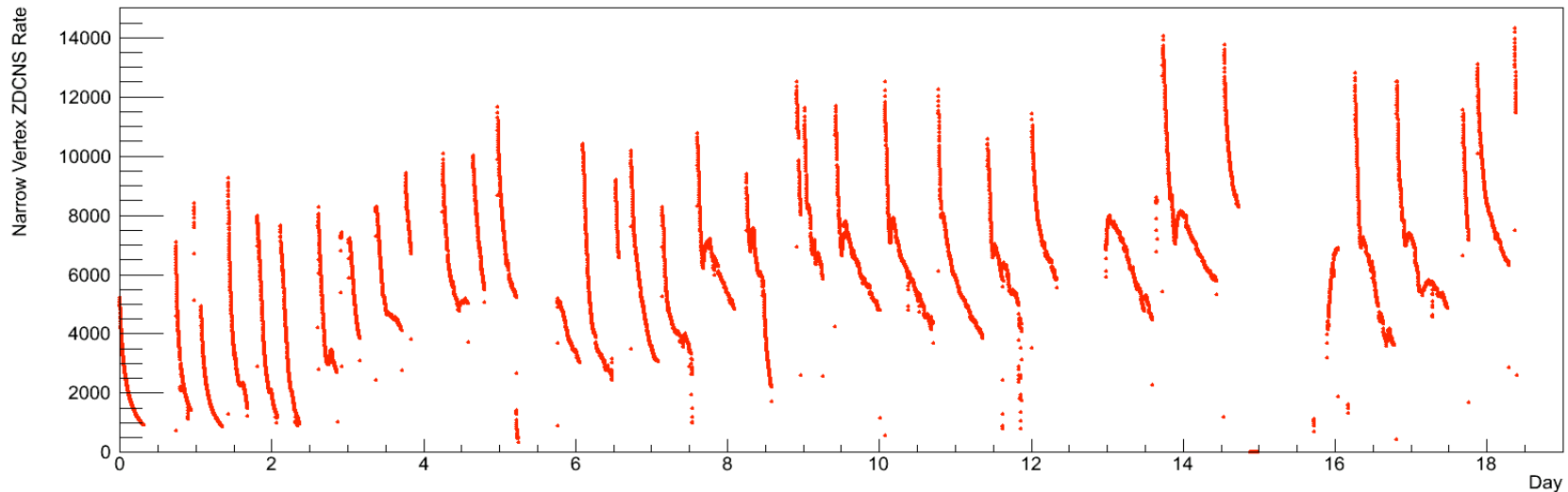
2012 200 GeV CuAu

Tue Jun 5 10:00:15 2012



Narrow Vertex ZDC Rate vs Day - Physics

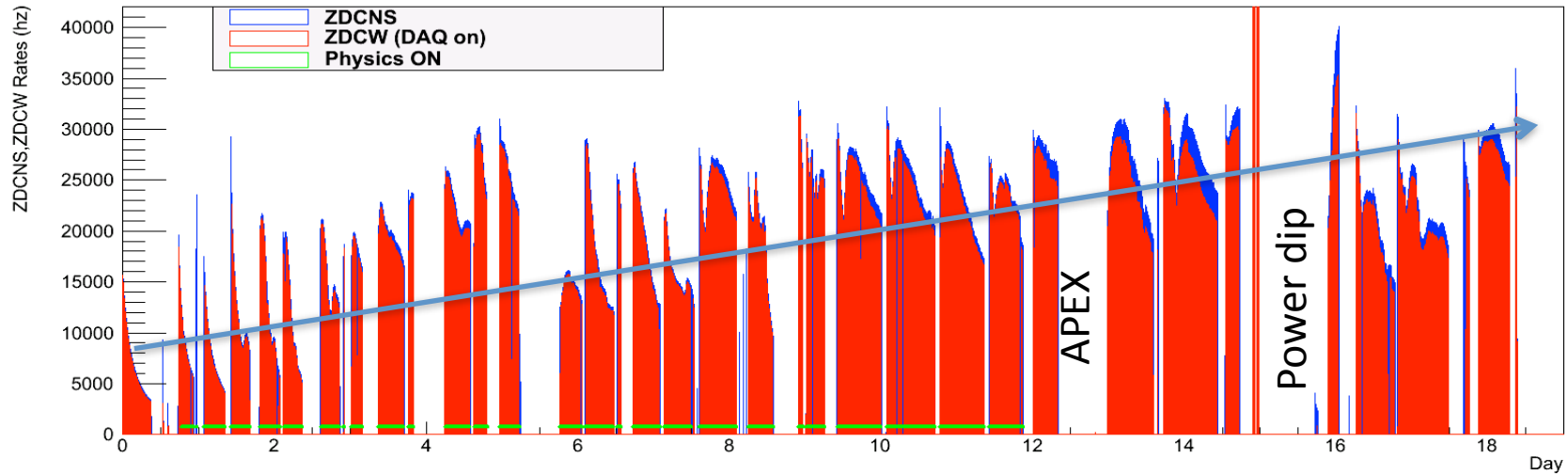
Tue Jun 5 10:00:23 2012



Improved Bunch Intensity and Vertex Distributions

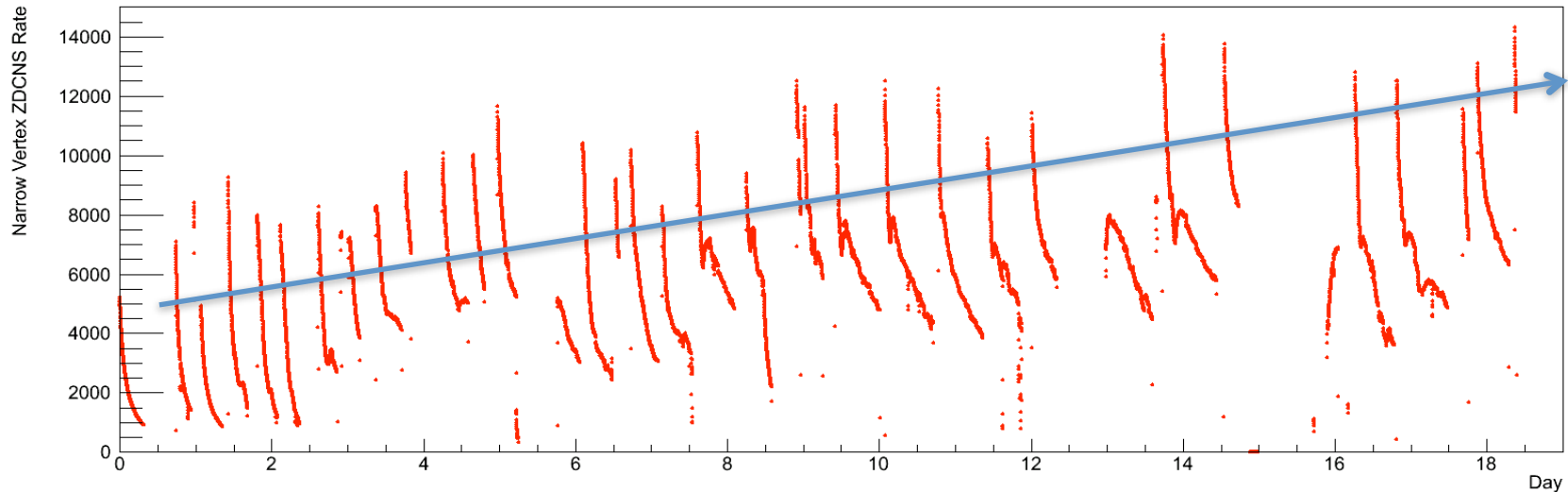
2012 200 GeV CuAu

Tue Jun 5 10:00:15 2012



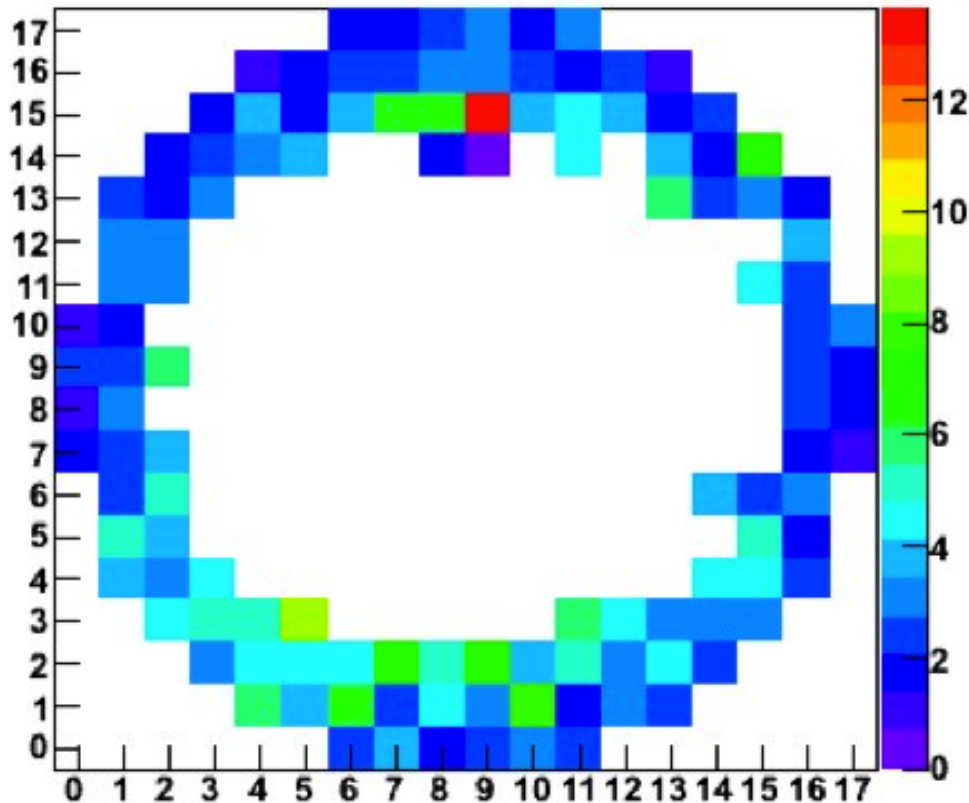
Narrow Vertex ZDC Rate vs Day - Physics

Tue Jun 5 10:00:23 2012



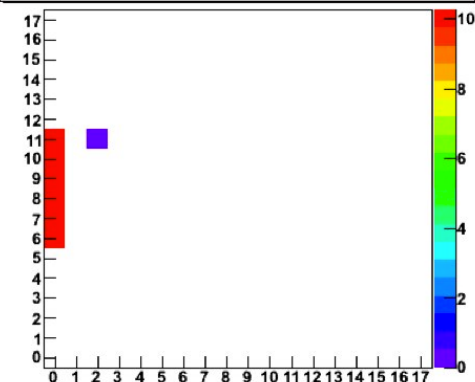
Enabled the Remaining Portion of the Muon Piston Calorimeter (MPC)

Energy Per North Crystal, BBC Triggers



We had a very informative discussion last week about the pre-firing abort kicker issues last week and decided to turn on the remaining portion of the MPC (north side). See the online monitoring display on left. The south is empty as seen below.

Energy Per South Crystal, BBC Triggers

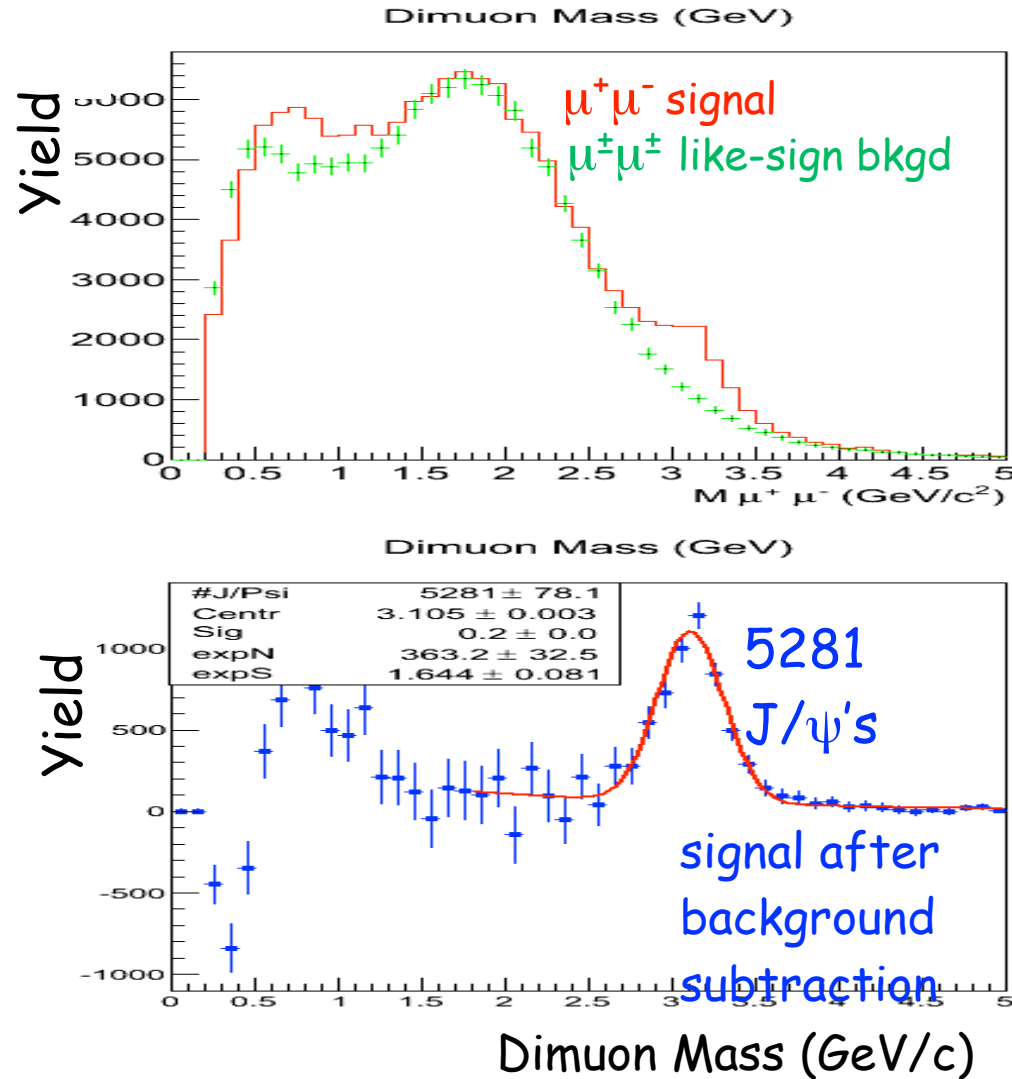


J/ψ Samples from Muon Arms

J/ψ yields from the
PHENIX Muon Arms
for Cu+Au Collisions

For about 0.4 nb^{-1}
from the Counting
House fast production
- 5.3k J/ψ from sum
of two muon arms

Run12 Cu+Au
expectation: 62k J/ψ
- for PHENIX wide-
vertex luminosity goal
of 4.6 nb^{-1}

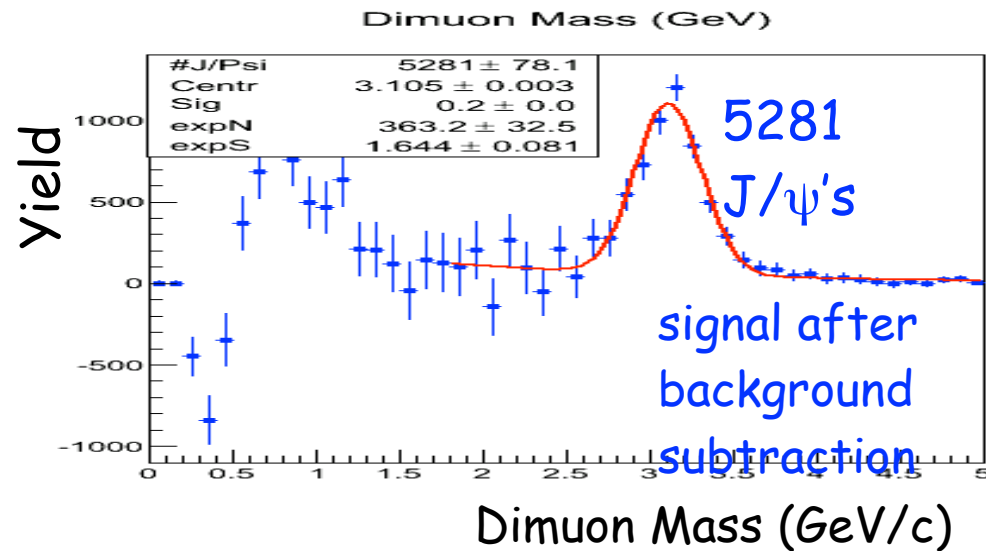
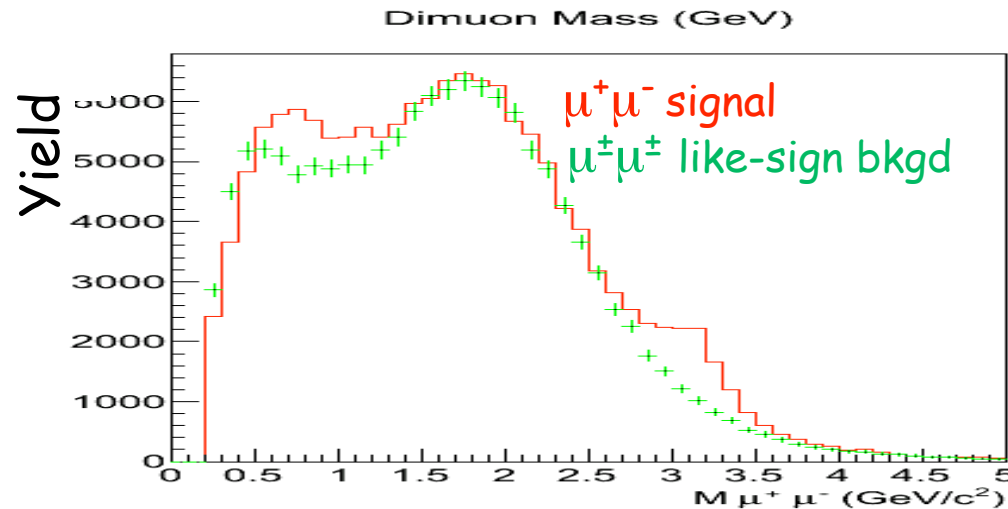


J/ψ Samples from Muon Arms

J/ψ yields from the PHENIX Muon Arms for Cu+Au Collisions

For about 0.4 nb^{-1} from the Counting House fast production - 5.3k J/ψ from sum of two muon arms

Run12 Cu+Au
expectation: 62k J/ψ
- for PHENIX wide-vertex luminosity goal of 4.6 nb^{-1}



More J/ψ are sampled which allows us to make collision geometry dependent study!!!