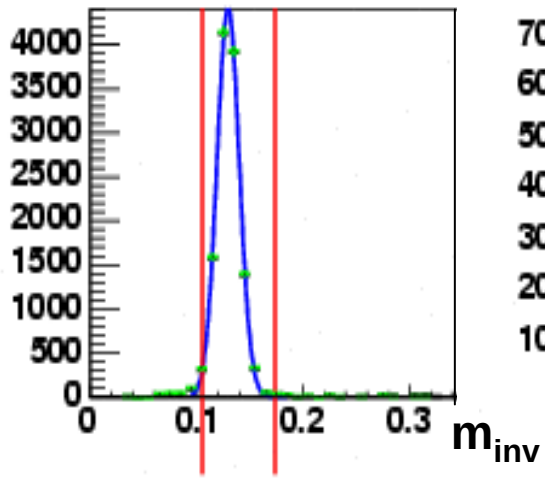
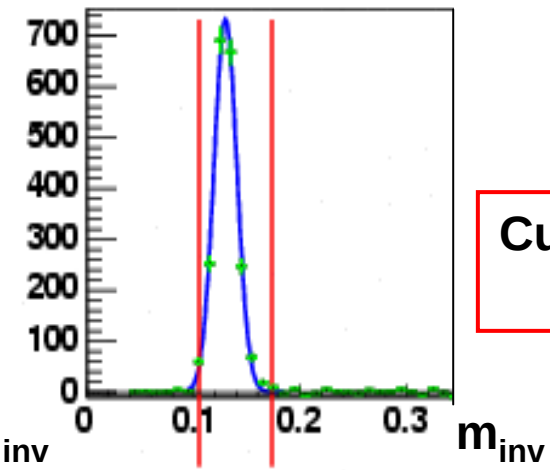
Reconstructed π^0 in Run5

Results obtained from LVL1 trigger with LVL2 event filter, production at ORNL.

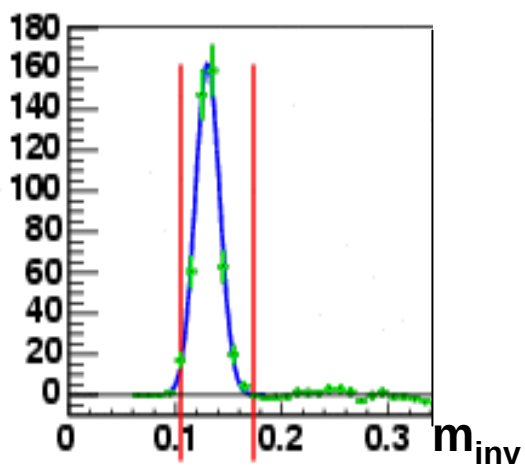


$6 < p_T < 7$ [GeV]

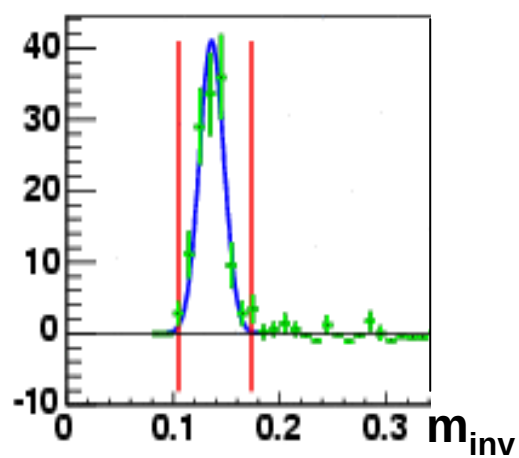


$8 < p_T < 9$ [GeV]

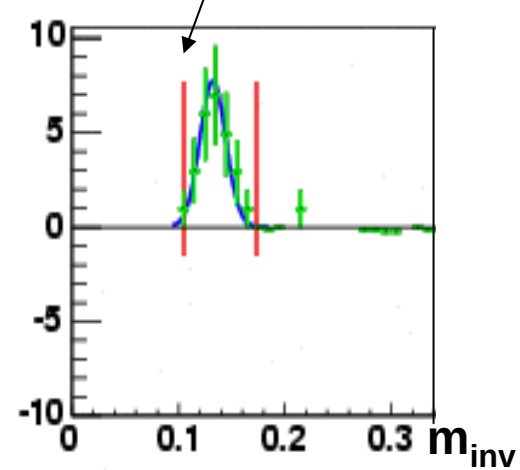
Current reach out to ~15 GeV/c !



$10 < p_T < 11$ [GeV]



$12 < p_T < 13$ [GeV]



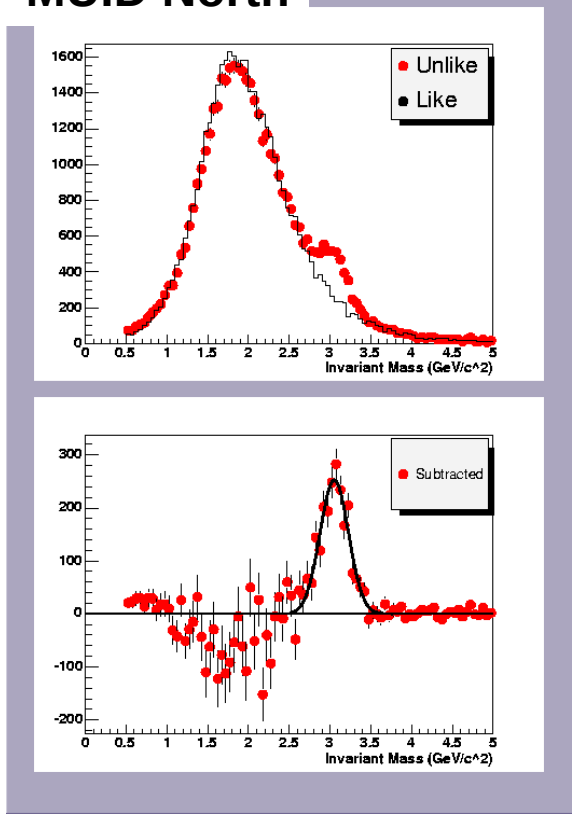
$14 < p_T < 15$ [GeV]

$J/\Psi \rightarrow \mu^+\mu^-$ in CuCu 200 GeV

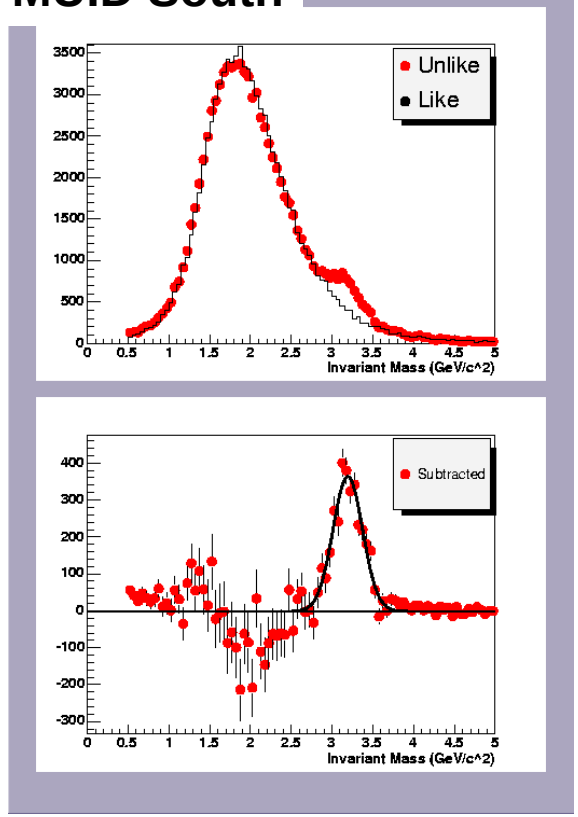
- J/Ψ clearly seen in LVL2 filtered events:

Results obtained in semi-real time! (less than 2 days from data to go through LVL2, calibration, and production).

MUID North



MUID South



(~1.3 nb^{-1} processed through LVL2 and reconstruction, ~3300 J/Ψ in South arm, ~2200 J/Ψ in North Arm)

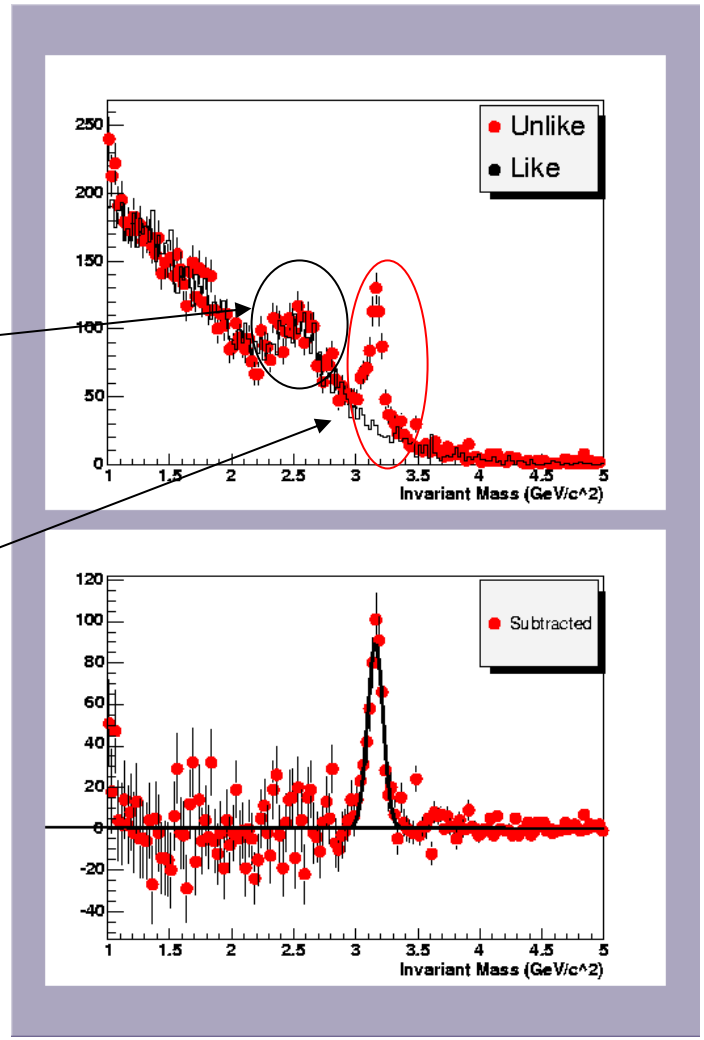
$J/\Psi \rightarrow e^+e^-$ in CuCu 200 GeV

- J/Ψ also seen in central arm data:

Results obtained in semi-real time! (less than 2 days from data to go through LVL2, calibration, and production).

Level-1 threshold

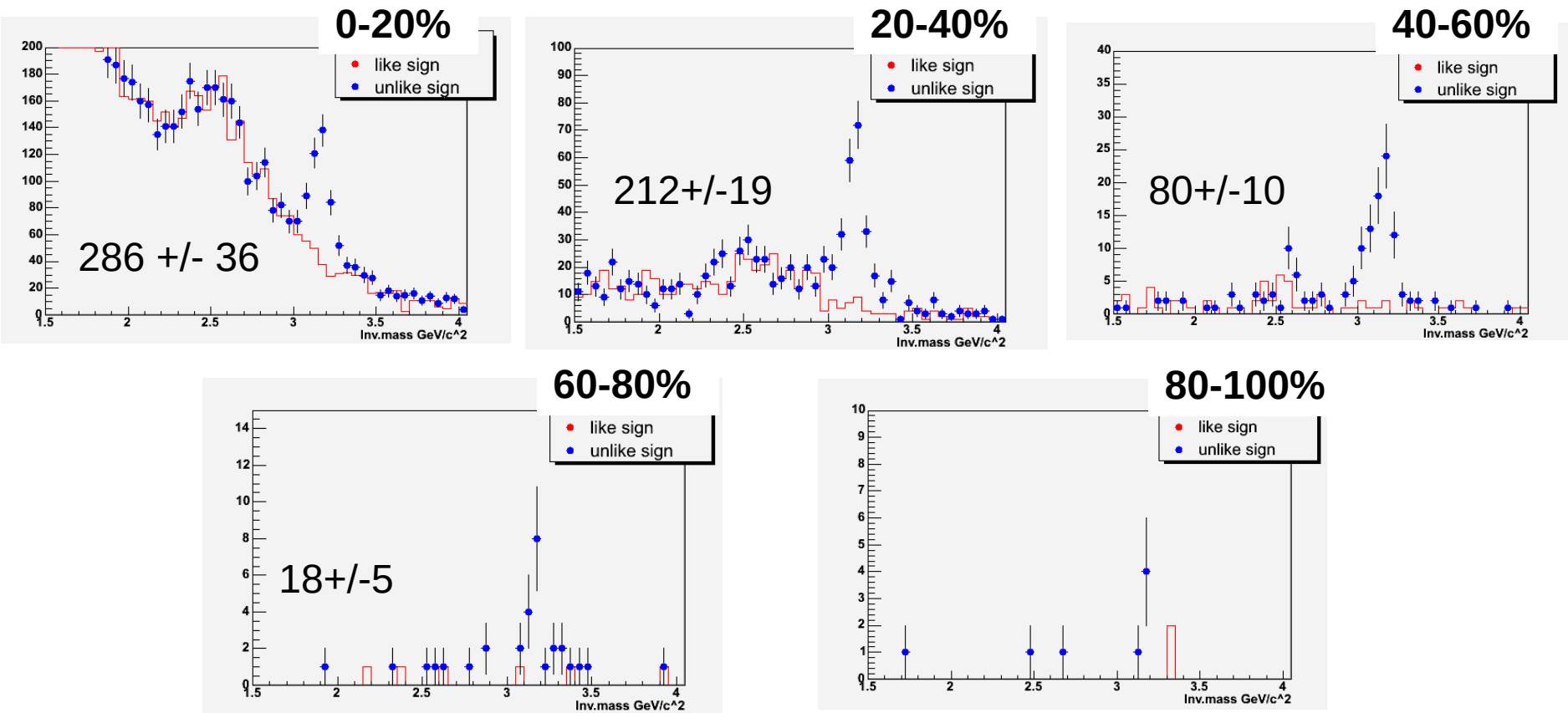
J/Y peak above like-sign background.



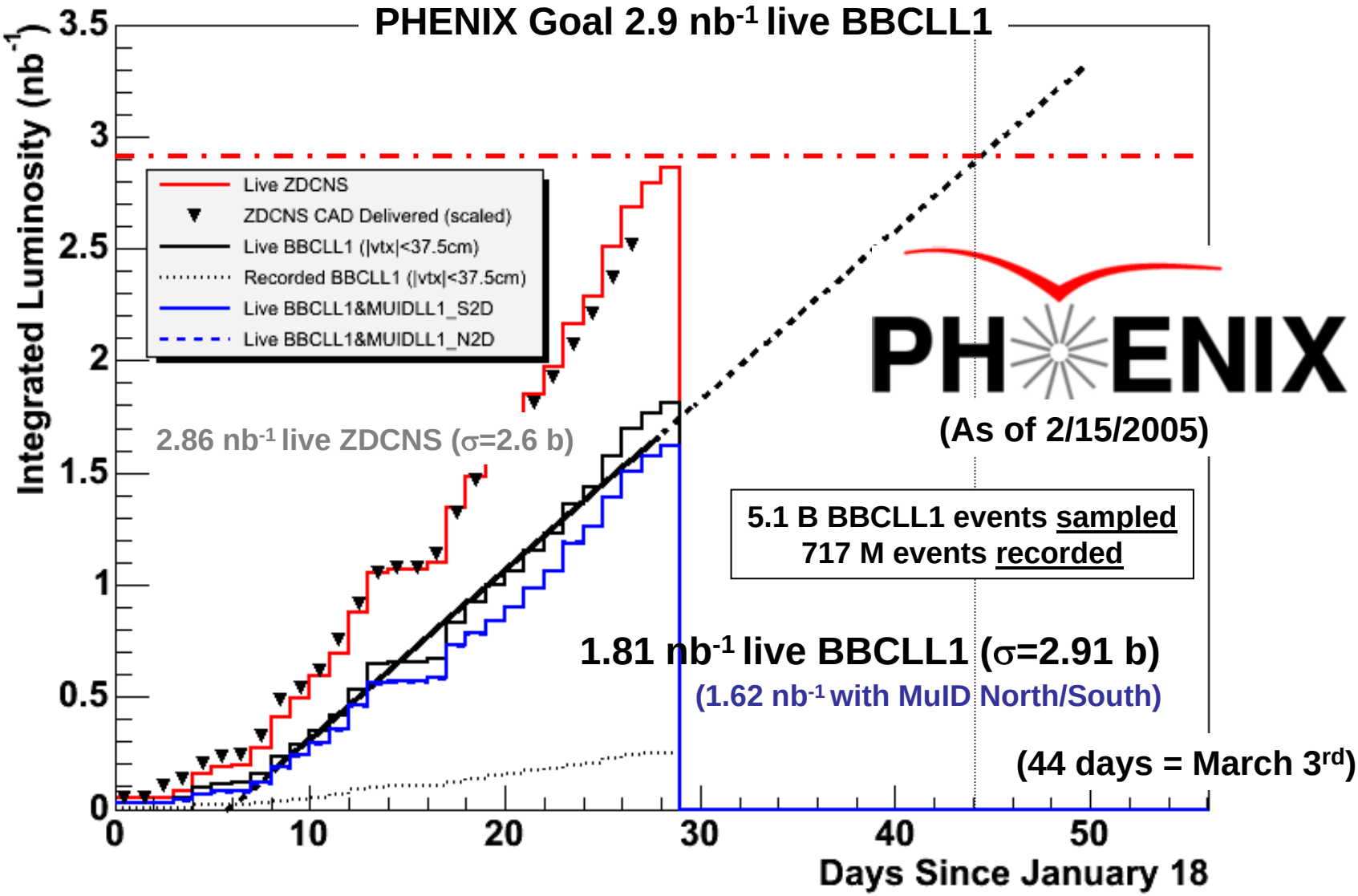
(~1.4 nb^{-1} processed through LVL2 and reconstruction,~560 events in peak)

$J/\Psi \rightarrow e^+e^-$ vs. Centrality

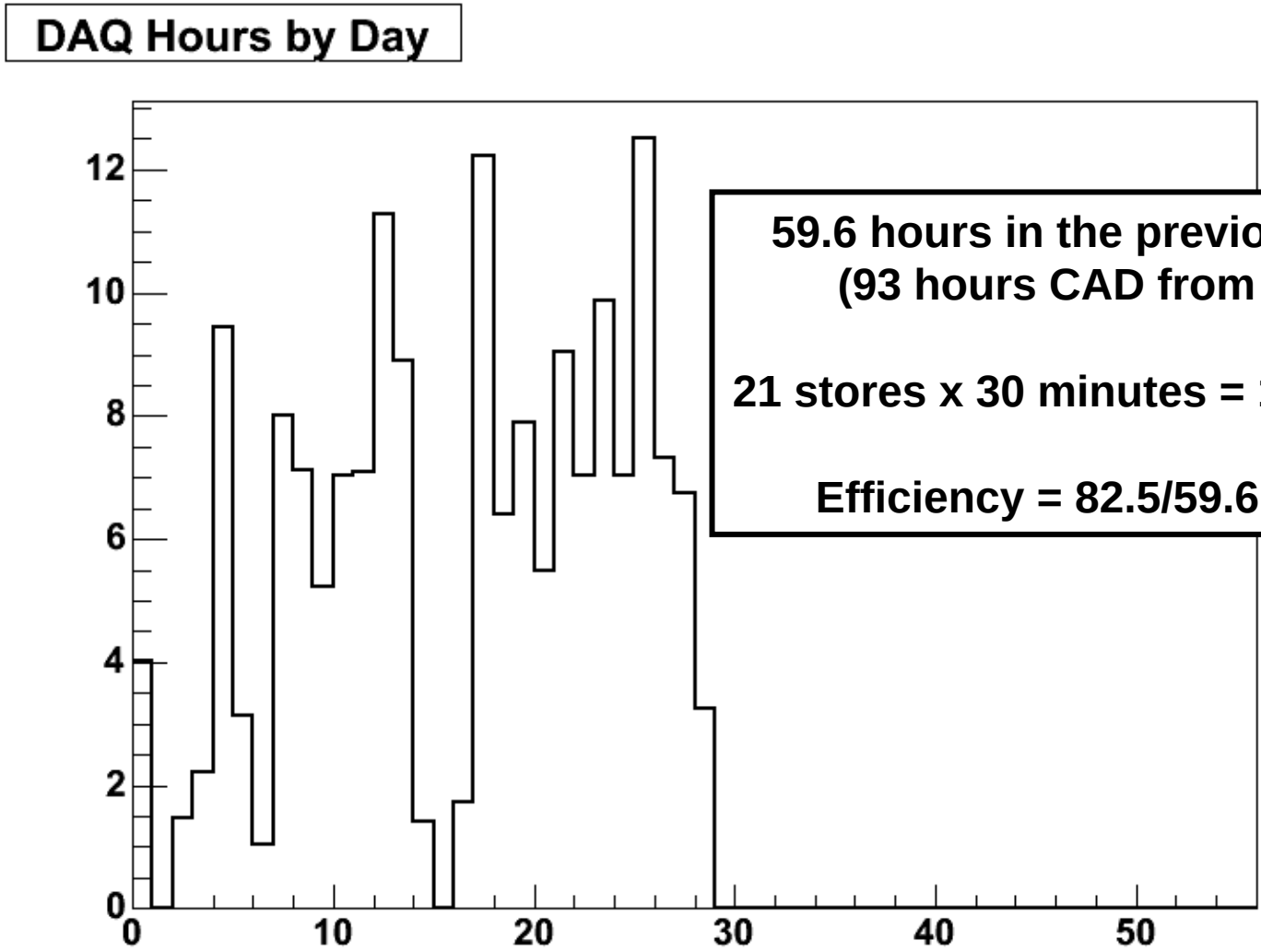
- Need more statistics for peripheral collisions



200GeV CuCu Integrated Luminosity



PHENIX DAQ Hours



59.6 hours in the previous week
(93 hours CAD from lumi)

21 stores x 30 minutes = 10.5 hours

Efficiency = 82.5/59.6 = 0.72