

# Update

## Run12 Cu+Au Vertex Distribution

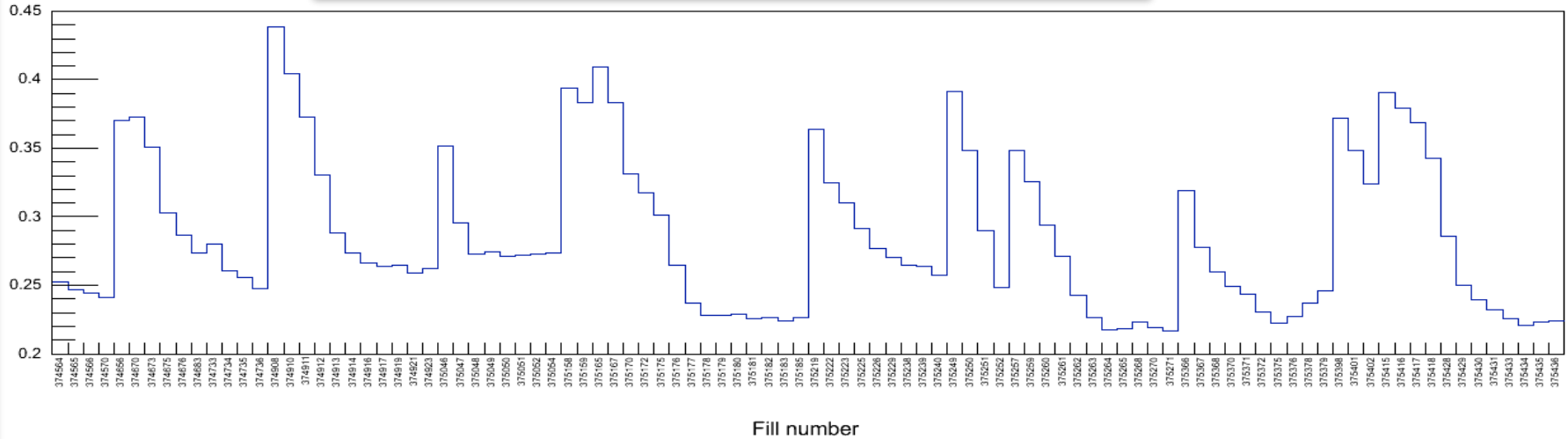
### June 5 - 12

Xiaochun He  
Georgia State University

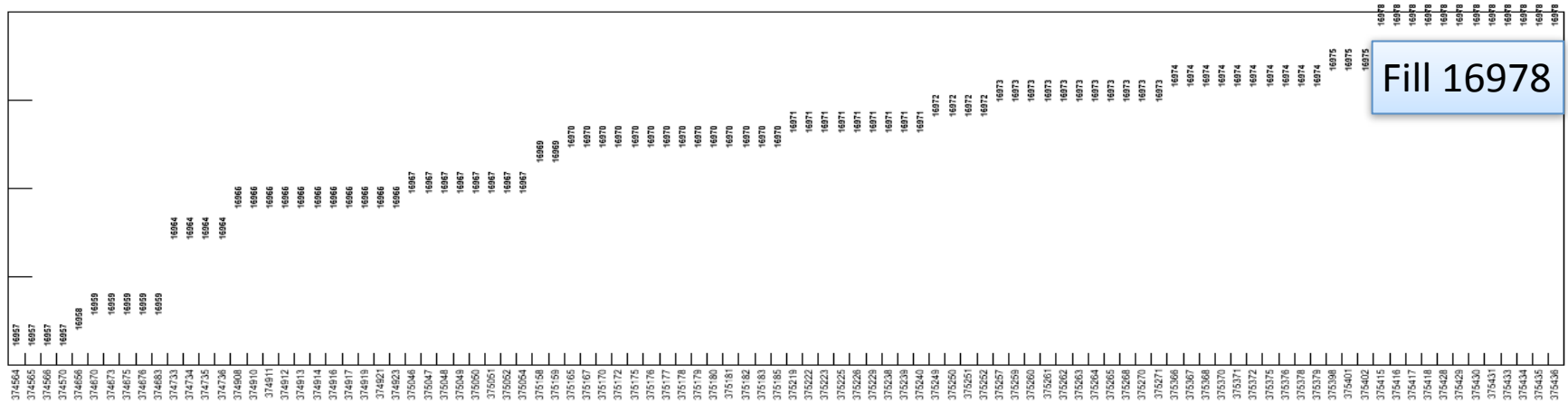
# Narrow Distribution vs Fills

Ratio of narrow vtx / noVtxCut

Narrow ( $|z| < 12\text{cm}$ ) VTX Distribution in Cu\_Au



Fill number

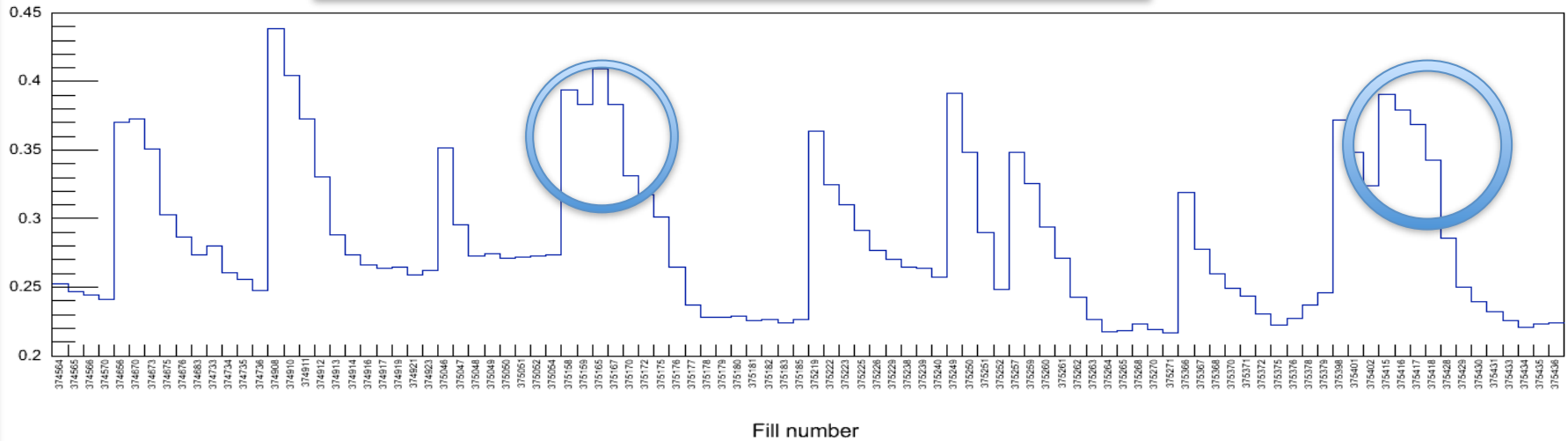


Fill 16978

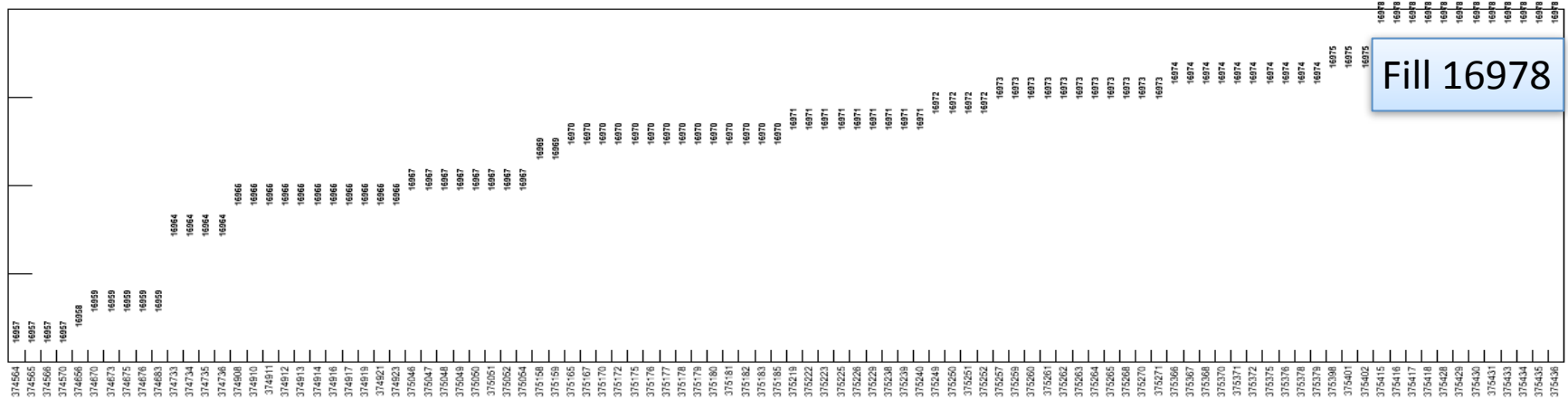
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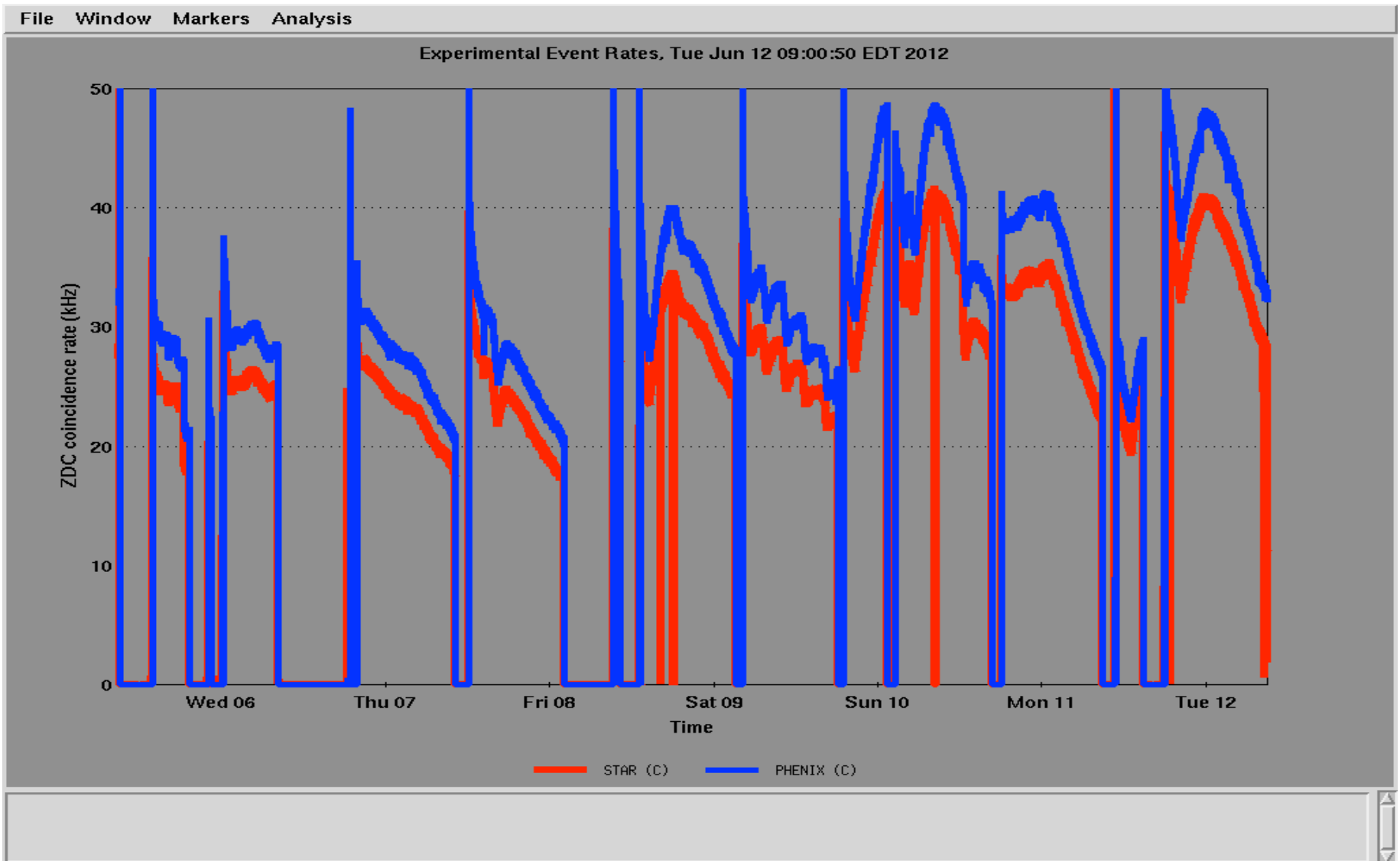
Fill number



Fill 16978

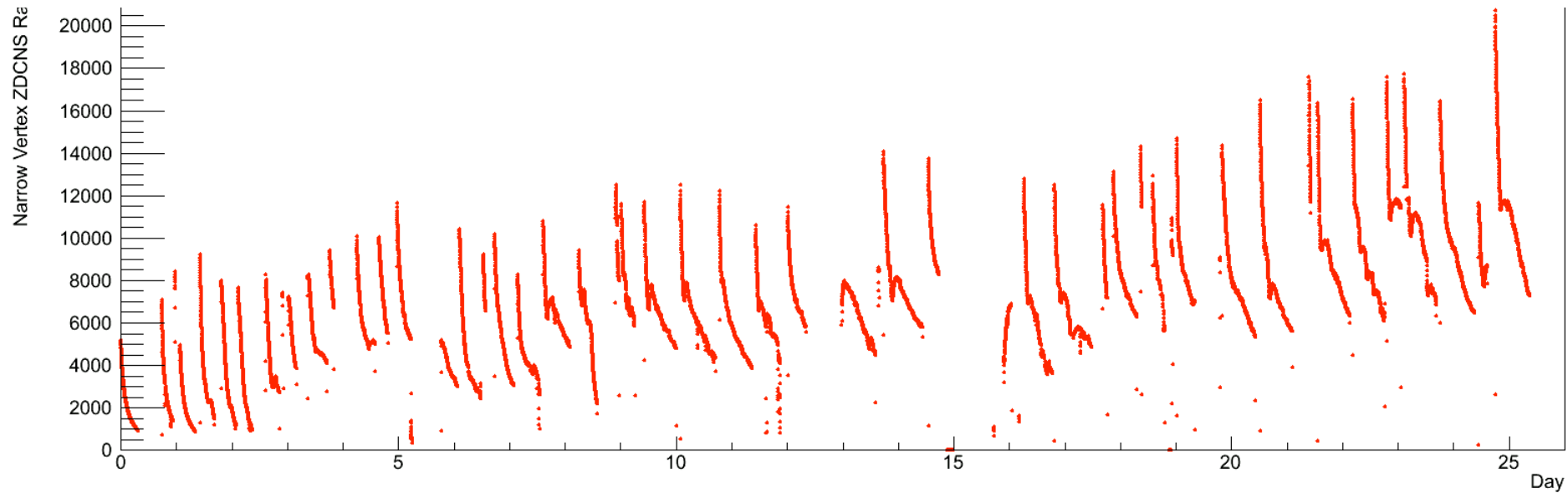
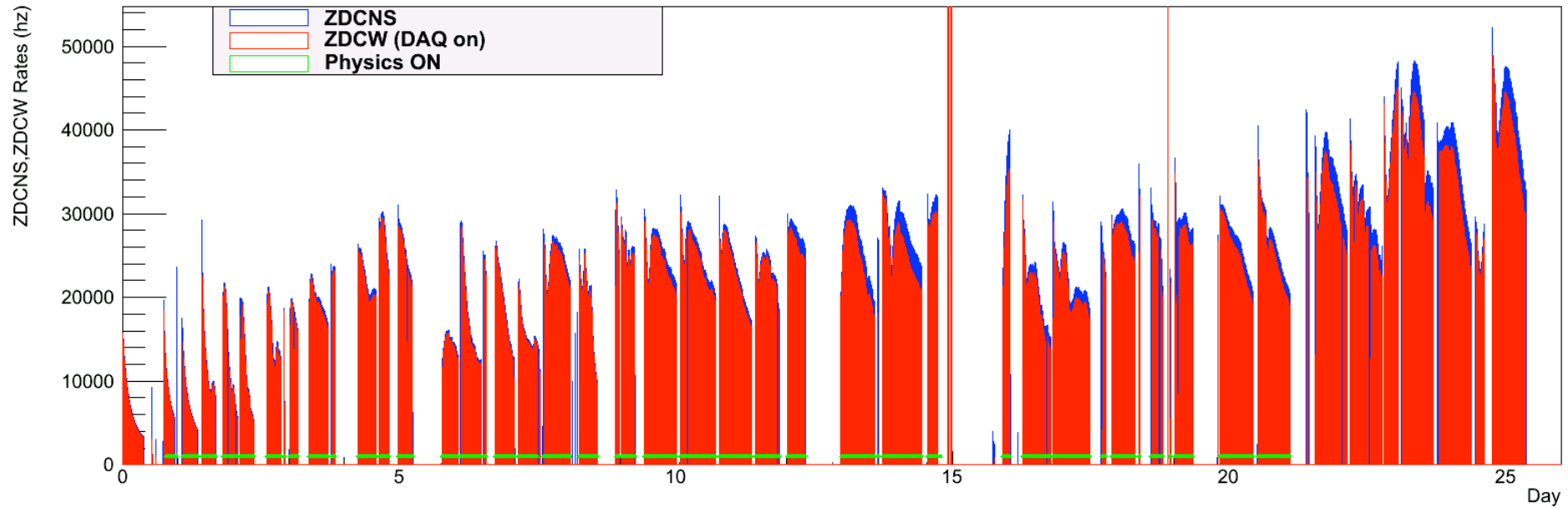
RHIC Fill Num

# ZDC Rates in Past Week



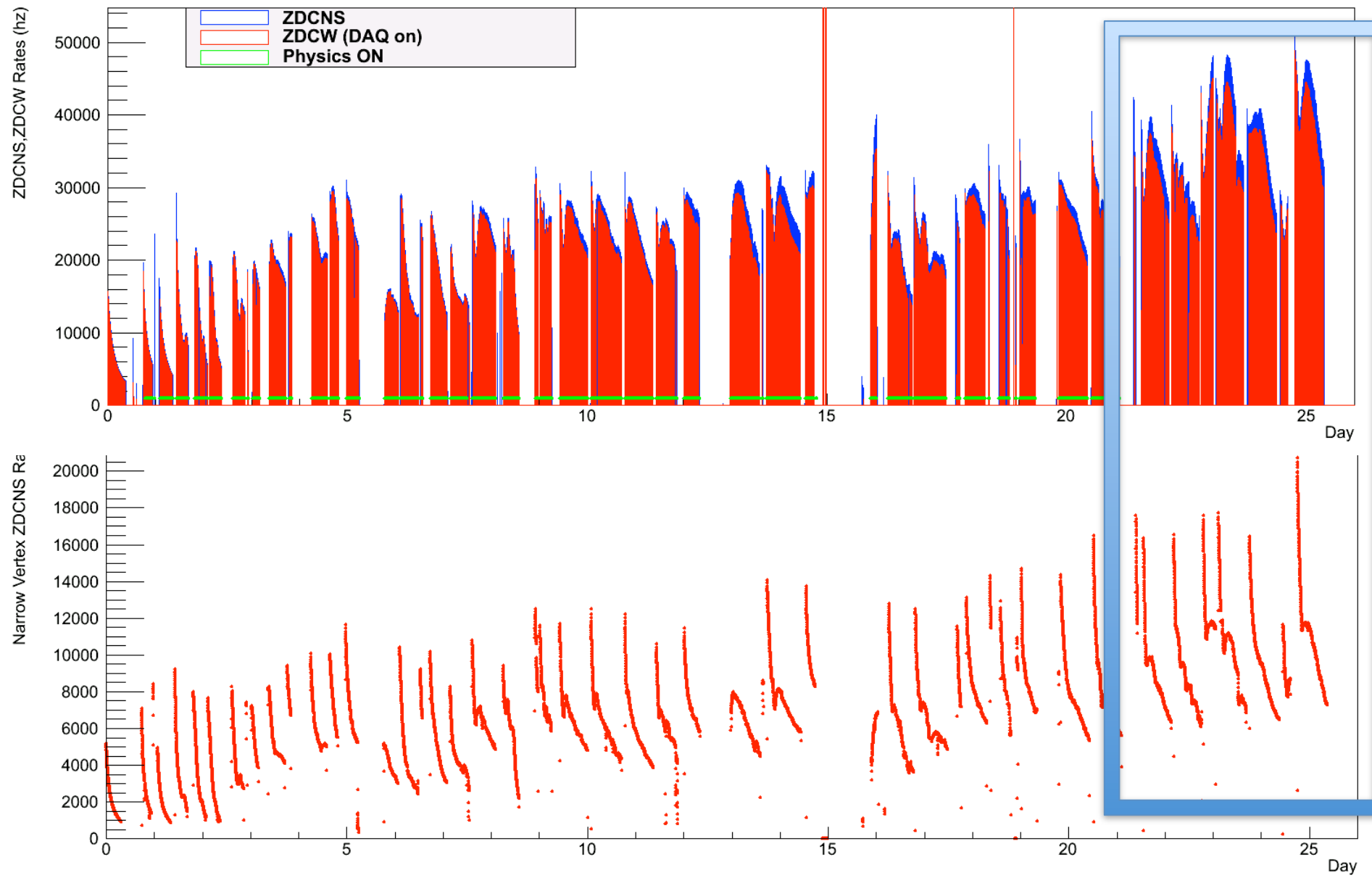
# Ultimate Goal – Sampled Luminosity

2012 200 GeV CuAu



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2012 200 GeV CuAu



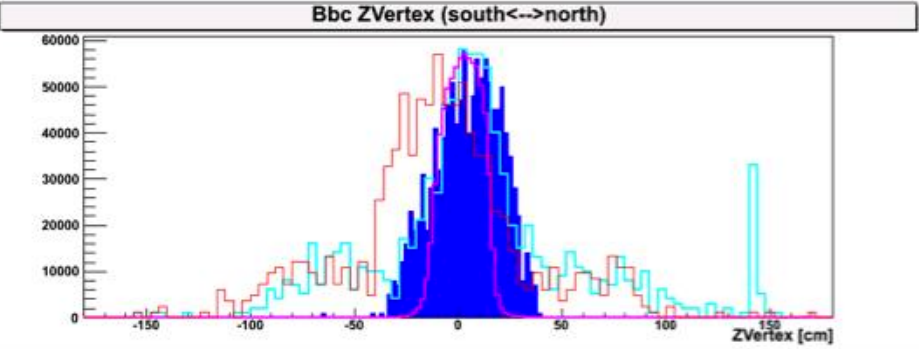
# Online Monitoring

Fill 16978



## BBC ONLINE MONITOR

Run #375418 Events: 185148 Date: Mon Jun 11 19:14:31 2012

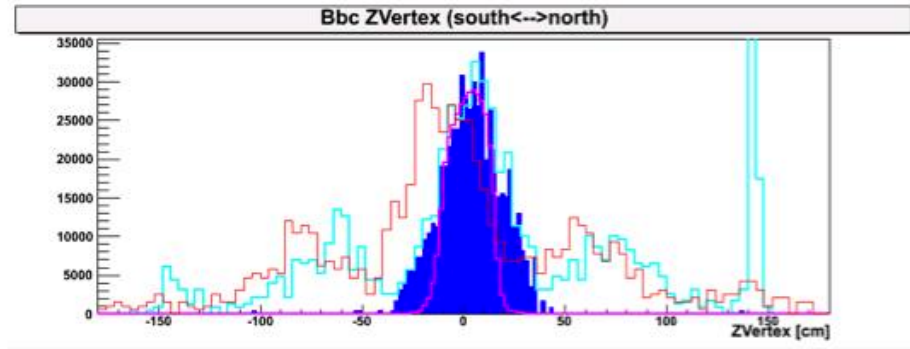


$Z^{Fit}_{BBLL1 \text{ w/o } Vtx} = 4.1 \text{ cm } (\sigma = 22 \text{ cm}) \dots \text{OK}$

Z [Trigger] Zbbc [BBLL1] Zzdc [ZDCLL1wide] Zbbc [BBCLL1(noVtx)] Zbbc [BBCLL1(narrowVtx)]

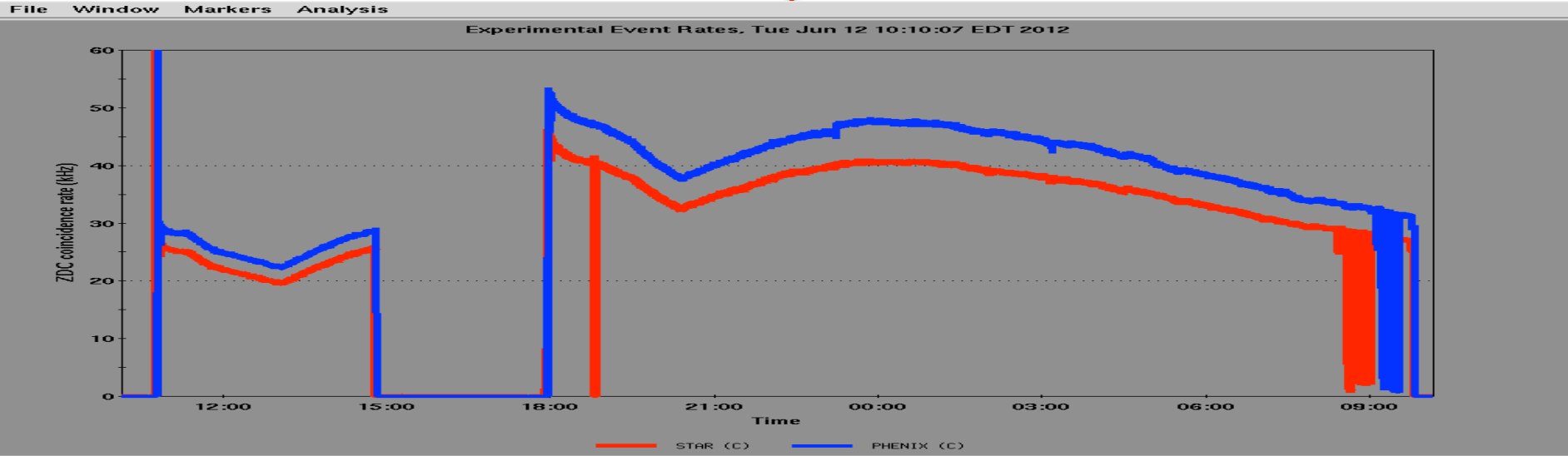
## BBC ONLINE MONITOR

Run #375436 Events: 191816 Date: Tue Jun 12 08:16:21 2012



$Z^{Fit}_{BBLL1 \text{ w/o } Vtx} = 3.3 \text{ cm } (\sigma = 22 \text{ cm}) \dots \text{OK}$

Z [Trigger] Zbbc [BBLL1] Zzdc [ZDCLL1wide] Zbbc [BBCLL1(noVtx)] Zbbc [BBCLL1(narrowVtx)]



# Online Monitoring

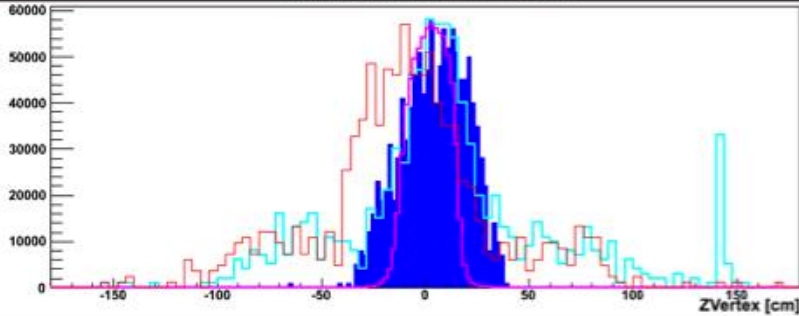
Fill 16978



## BBC ONLINE MONITOR

Run #375418 Events: 185148 Date: Mon Jun 11 19:14:31 2012

### Bbc ZVertex (south<-->north)



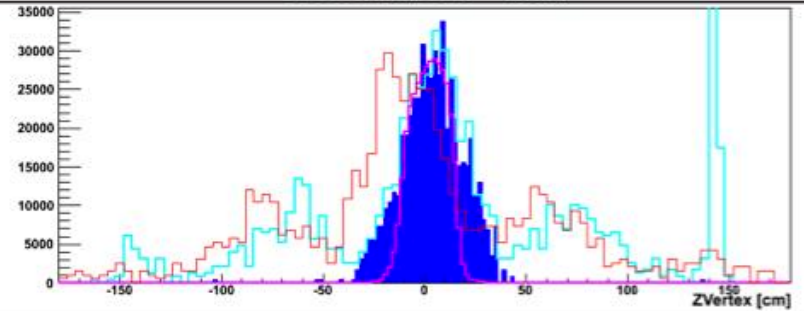
$Z_{\text{Fit}}^{\text{BBLL1 w/o Vtx}} = 4.1 \text{ cm } (\sigma = 22 \text{ cm}) \dots \text{OK}$

Z [Trigger] Zbbc [BBLL1] Zzdc [ZDCLL1wide] Zbbc [BBLL1(noVtx)] Zbbc [BBCLL1(narrowVtx)]

## BBC ONLINE MONITOR

Run #375436 Events: 191816 Date: Tue Jun 12 08:16:21 2012

### Bbc ZVertex (south<-->north)

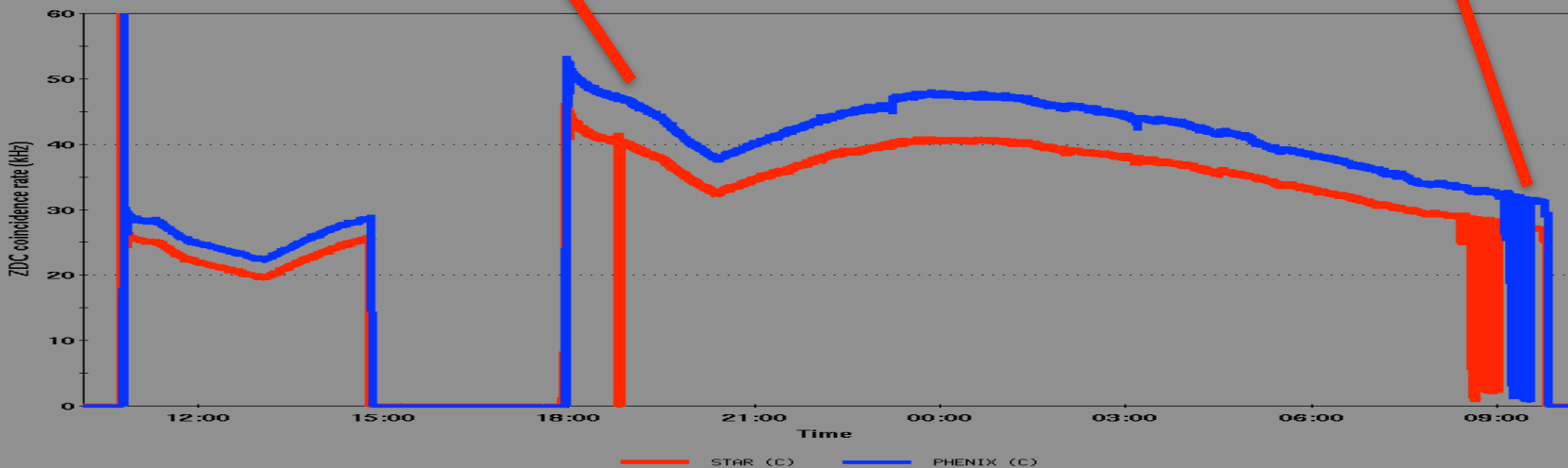


$Z_{\text{Fit}}^{\text{BBLL1 w/o Vtx}} = 3.3 \text{ cm } (\sigma = 22 \text{ cm}) \dots \text{OK}$

Z [Trigger] Zbbc [BBLL1] Zzdc [ZDCLL1wide] Zbbc [BBLL1(noVtx)] Zbbc [BBCLL1(narrowVtx)]

File Window Markers Analysis

### Experimental Event Rates, Tue Jun 12 10:10:07 EDT 2012



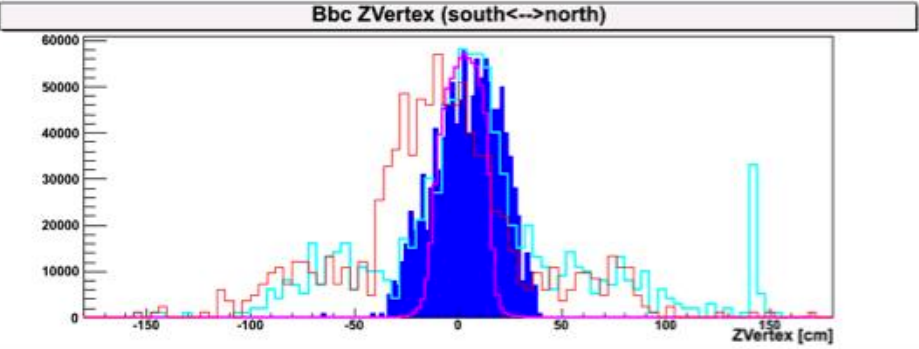


# Online Monitoring

Fill 16978

## BBC ONLINE MONITOR

Run #375418 Events: 185148 Date: Mon Jun 11 19:14:31 2012

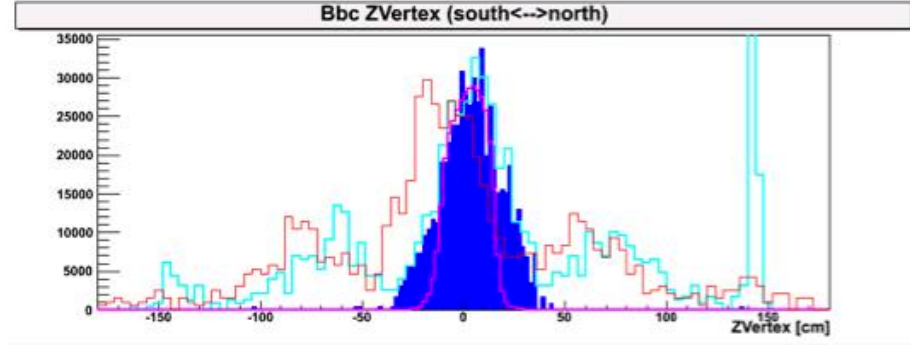


$Z_{\text{Fit}}^{\text{BBLL1 w/o Vtx}} = 4.1 \text{ cm } (\sigma = 22 \text{ cm}) \dots \text{OK}$

Z [Trigger] Zbbc [BBLL1] Zzdc [ZDCLL1wide] Zbbc [BBLL1(noVtx)] Zbbc [BBCLL1(narrowVtx)]

## BBC ONLINE MONITOR

Run #375436 Events: 191816 Date: Tue Jun 12 08:16:21 2012



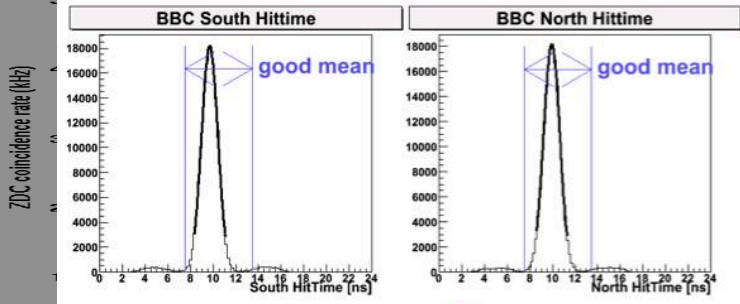
$Z_{\text{Fit}}^{\text{BBLL1 w/o Vtx}} = 3.3 \text{ cm } (\sigma = 22 \text{ cm}) \dots \text{OK}$

Z [Trigger] Zbbc [BBLL1] Zzdc [ZDCLL1wide] Zbbc [BBLL1(noVtx)] Zbbc [BBCLL1(narrowVtx)]

File Window Markers Analysis Experimental Event Rates, Tue Jun 12 10:10:07 EDT 2012

## BBC ONLINE MONITOR

Run #375418 Events: 185148 Date: Mon Jun 11 19:14:31 2012



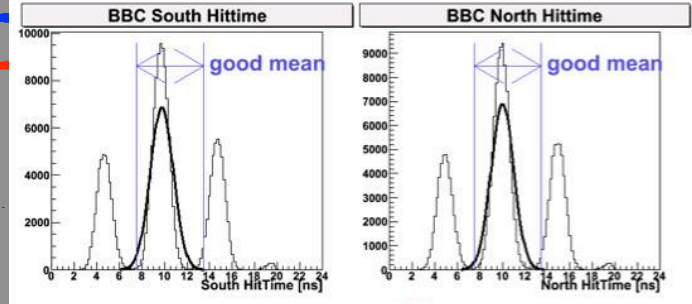
South:9.6[ns] North:9.9[ns] ... OK

Global offset : OK

Shown data are triggered by BBLL1 |z|<130cm

## BBC ONLINE MONITOR

Run #375436 Events: 191816 Date: Tue Jun 12 08:16:21 2012



South:9.7[ns] North:10[ns] ... OK

Global offset : OK

Shown data are triggered by BBLL1 |z|<130cm

