



PHENIX Run-14 Status

Klaus Dehmelt

April 22, 2014

Time Meeting

PHENIX High Energy Run

- We are running HE collisions now for 38 days (~ 5 ½ weeks)
 - 87 fills since Physics declaration
- Narrow Vertex integrated luminosity
 - $\mathcal{L} = 0.88 \text{ nb}^{-1}$ up to April 22
- RHIC delivers excellent fills with very short turnaround
- PHENIX is running well
- Continuing taking data

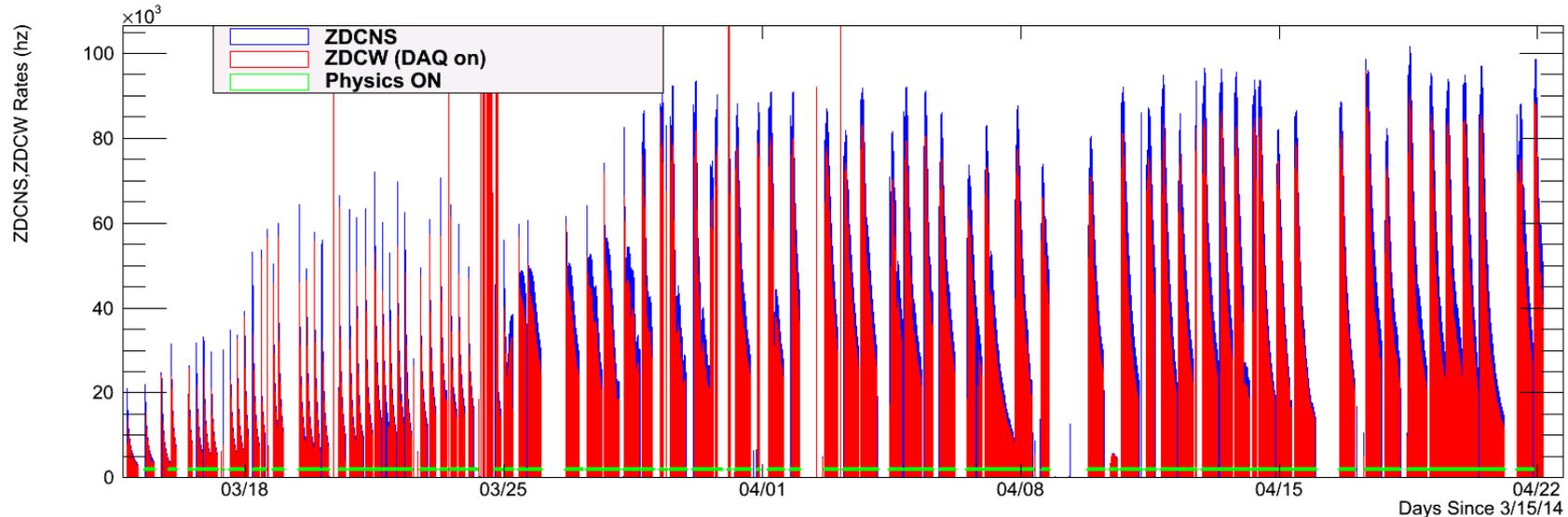


PHENIX High Energy Run

- Excellent RHIC performance

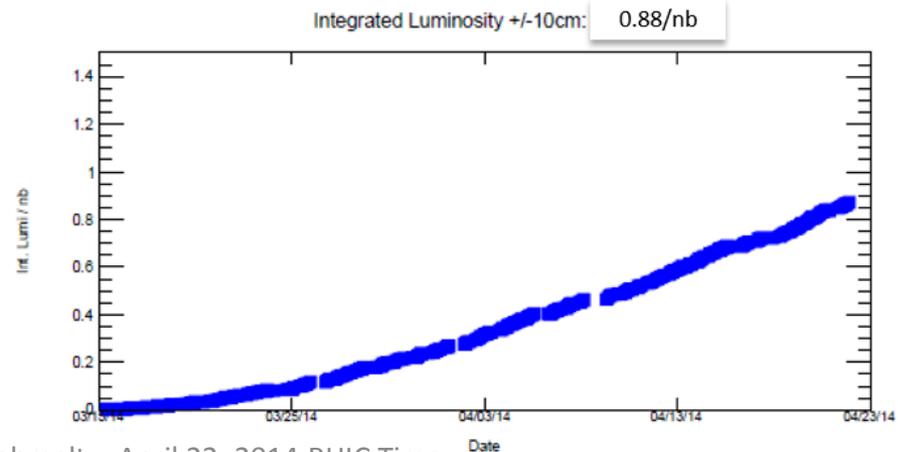
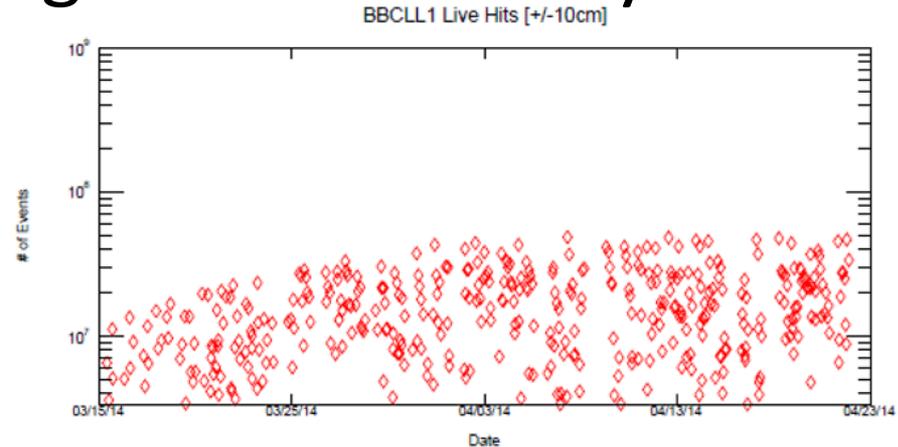
2014 200 GeV AuAu

Tue Apr 22 11:00:49 2014



PHENIX High Energy Run

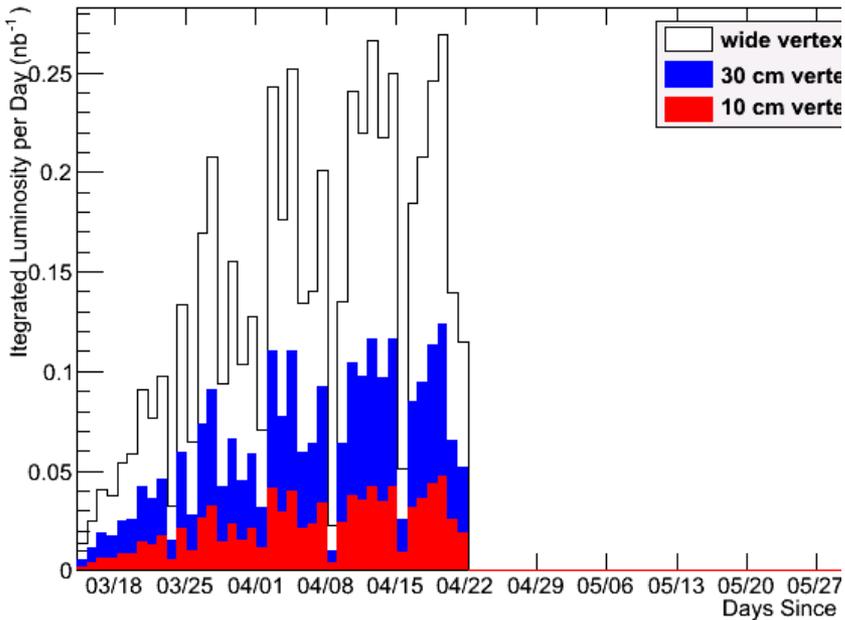
- Narrow Vertex integrated luminosity so far
 - $\mathcal{L} = 0.88/\text{nb}$
 - Corresponds to 5.5B events
 - Reporting reconstructed events



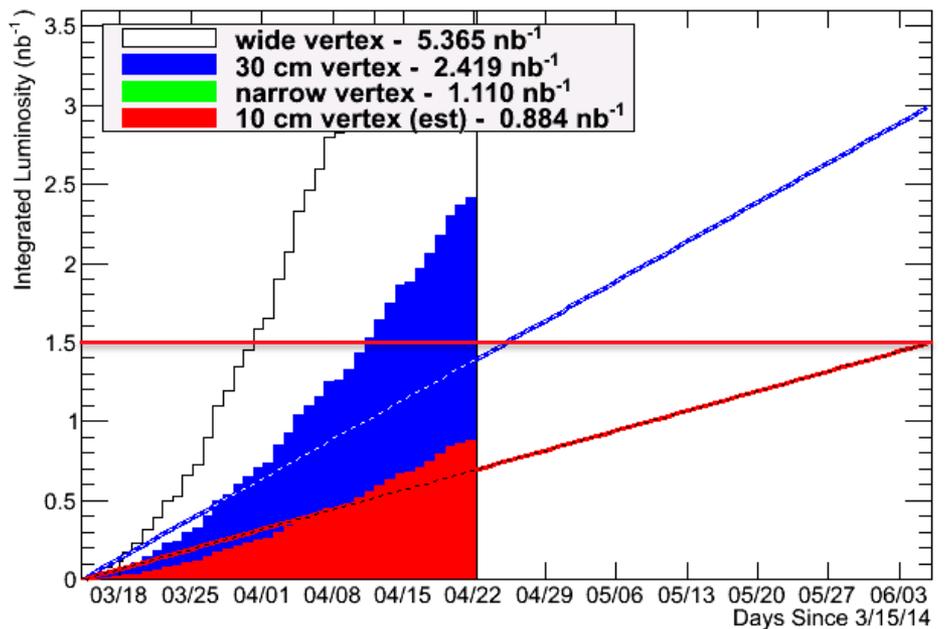
PHENIX High Energy Run

- Narrow Vertex integrated luminosity

PHENIX Integr. Sampled Lumi/Day vs Day ue Apr 22



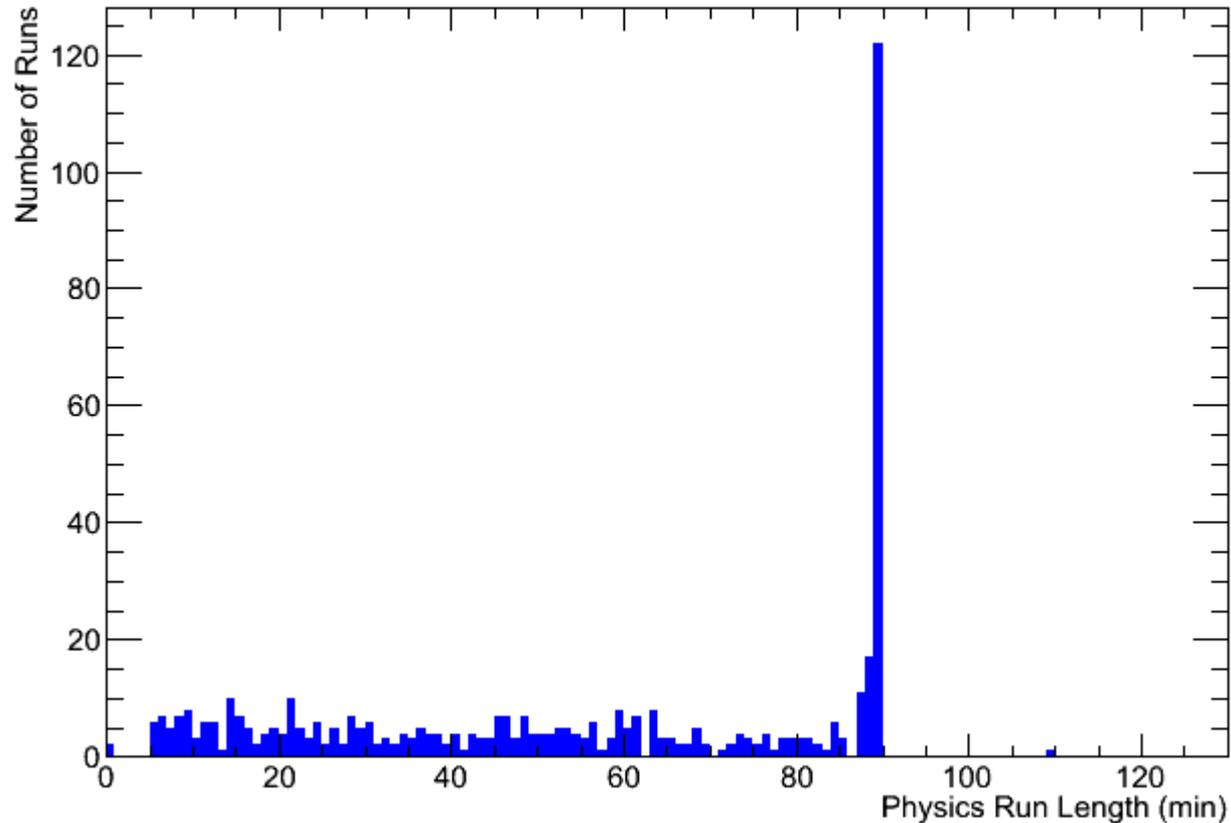
PHENIX Integr. Sampled Lumi vs Day Tue Apr 22 09:28:02 2014



PHENIX High Energy Run

Length of Physics Runs (min)

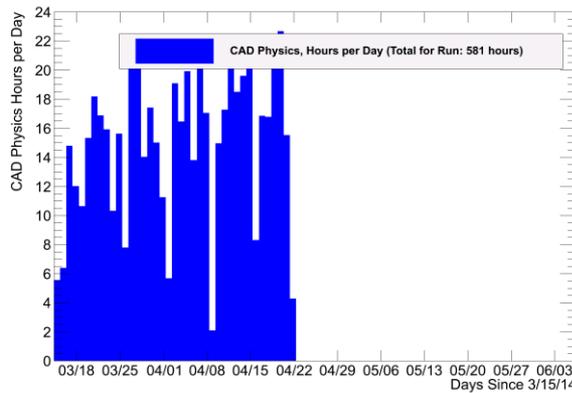
Tue Apr 22 09:28:03 2014



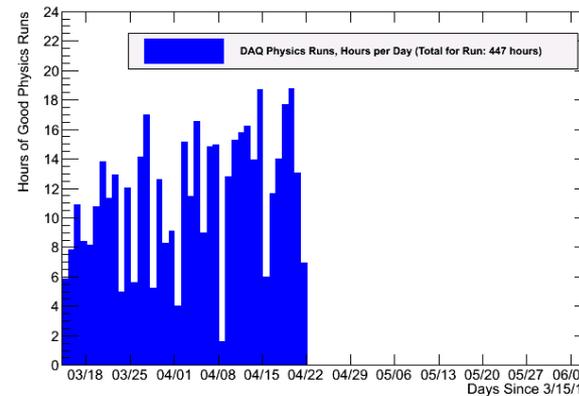
PHENIX High Energy Run

- Data taking efficiency on average close to 80%

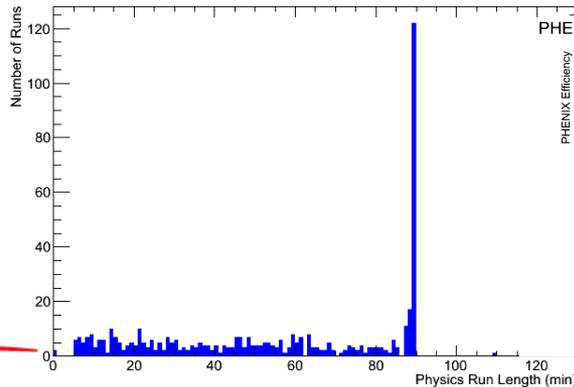
CAD Physics Hrs/Day vs Day Tue Apr 22 11:01:02 2014



PHENIX Good Physics Run Hrs/Day vs Day Tue Apr 22 09:28:03 2014

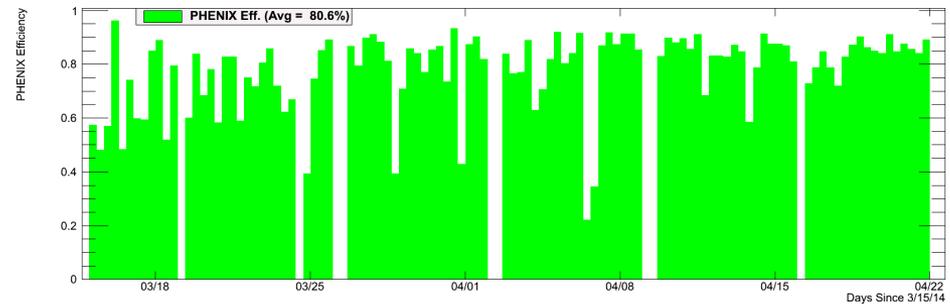


Length of Physics Runs (min) Tue Apr 22 09:28:03 2014



PHENIX Efficiency vs Day

Tue Apr 22 11:01:02 2014



Calendar and Plans

- Running smoothly
- PHENIX is continuing to take data, data, data
- Wednesday, April 23: APEX
- Wednesday, April 30: Maintenance day