



PHENIX Run-14 Status

Klaus Dehmelt

May 20, 2014

Time Meeting

PHENIX High Energy Run

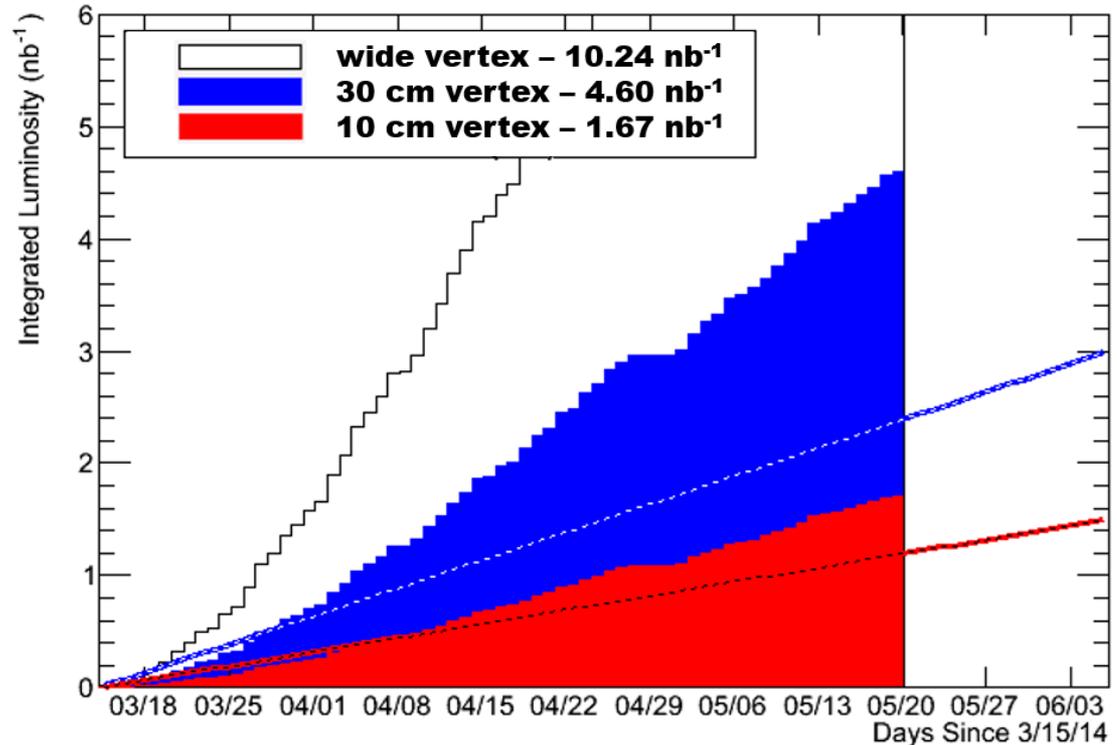
- First physics collisions on Saturday, March 15
 - 66 days in HE-Physics-Mode (~ 9 ½ weeks)
 - 143 fills, starting from # 18046
 - PHENIX reached goal for integrated luminosity of $\mathcal{L} = 1.5 \text{ nb}^{-1}$ on Wednesday, May 14 at ~ 2 AM
- Last weekend
 - Requested two short IR-accesses due to defective equipment (HV-mainframe and LV-PS)
 - RHIC had several unexpected beam losses

PHENIX High Energy Run

- Integrated luminosity to date (narrow vertex)

PHENIX Integr. Sampled Lumi vs Day

Tue May 20 09:01:18 2014

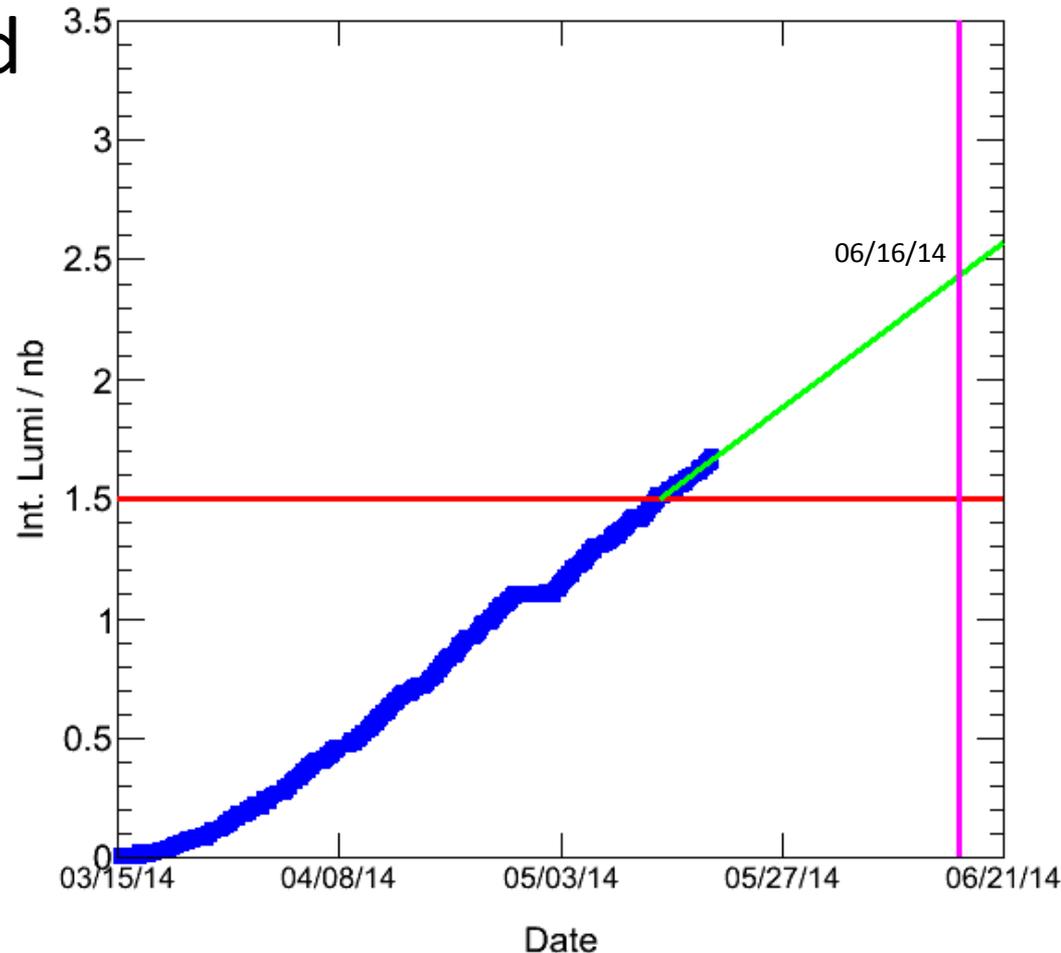


– $\mathcal{L} = 1.67 \text{ nb}^{-1}$

PHENIX High Energy Run

Integrated Luminosity +/-10cm

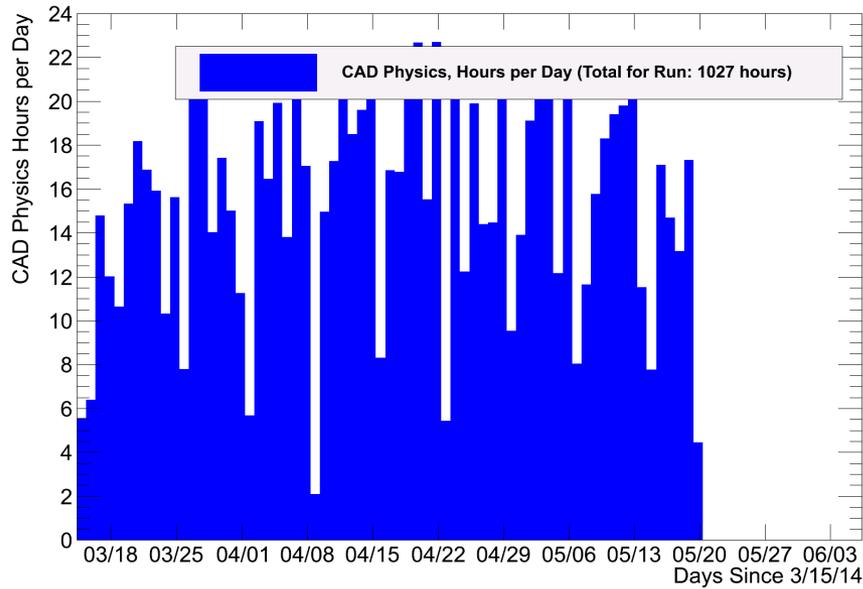
- Expected integrated luminosity on Monday, Jun 16
 - $\mathcal{L} \approx 2.4 \text{ nb}^{-1}$
 - About 60% addtl. luminosity



PHENIX High Energy Run

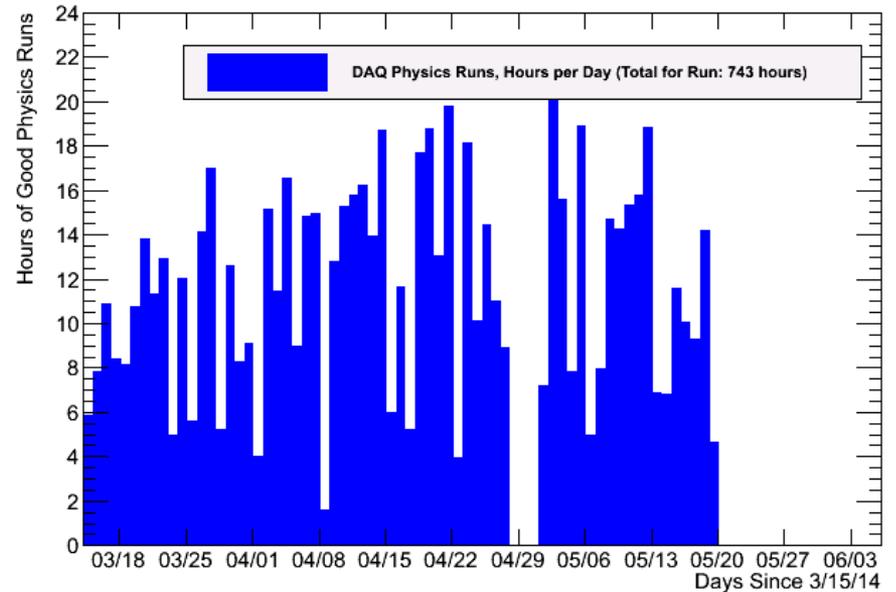
CAD Physics Hrs/Day vs Day

Tue May 20 12:01:47 2014



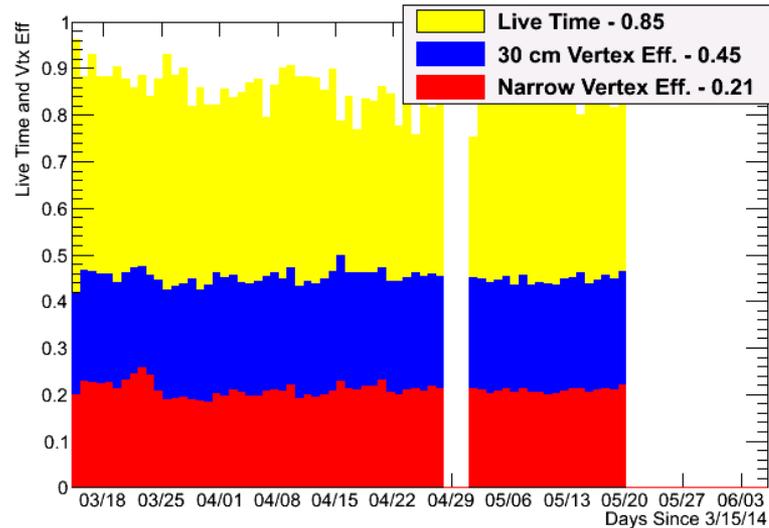
PHENIX Good Physics Run Hrs/Day vs Day

Tue May 20 12:01:14 2014



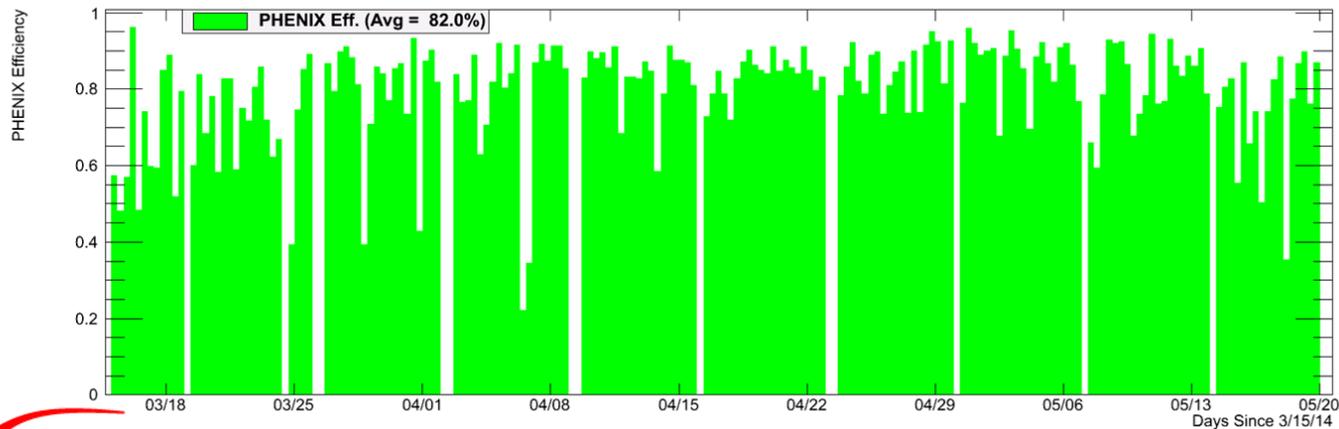
PHENIX High Energy Run

PHENIX Efficiencies vs Day (good runs) Tue May 20 09:01:18 2014



PHENIX Efficiency vs Day

Tue May 20 11:01:54 2014



Calendar and Plans

- PHENIX achieved Physics Goal for Run 14
- PHENIX will continue taking data
- Wednesday, May 21: APEX
- Wednesday, May 28: MAINTENANCE DAY