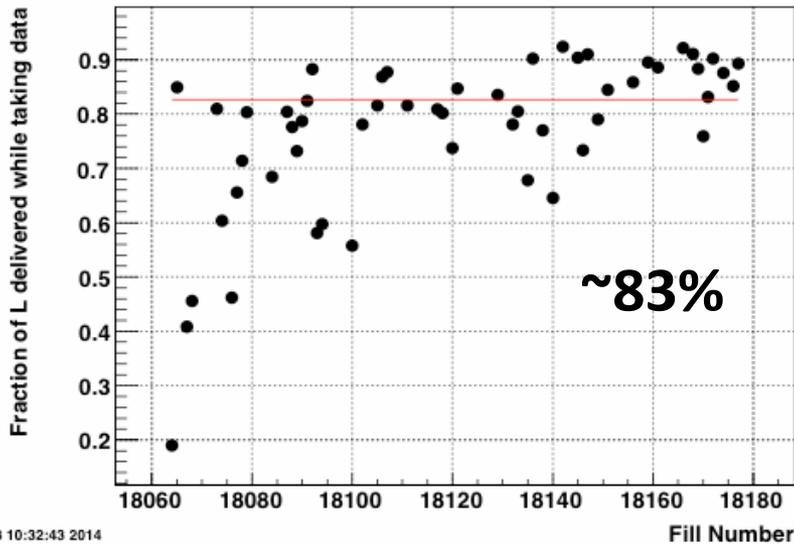


STAR Time Meeting Report

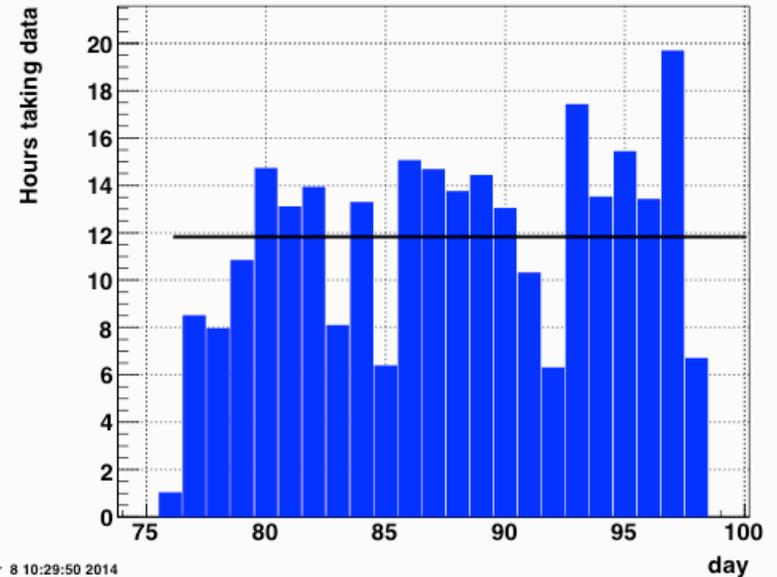
April 08, 2014
Salvatore Fazio

UPTIME

Fraction of L delivered while taking data



hours_perday.txt



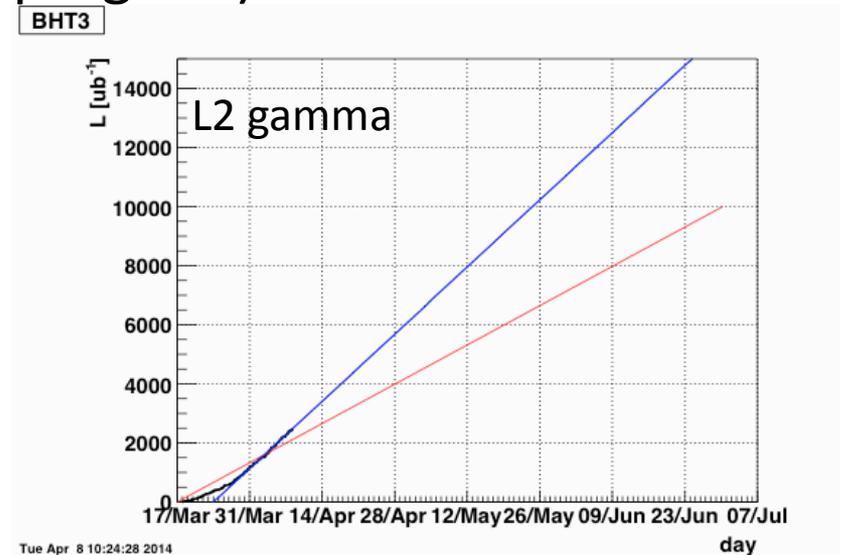
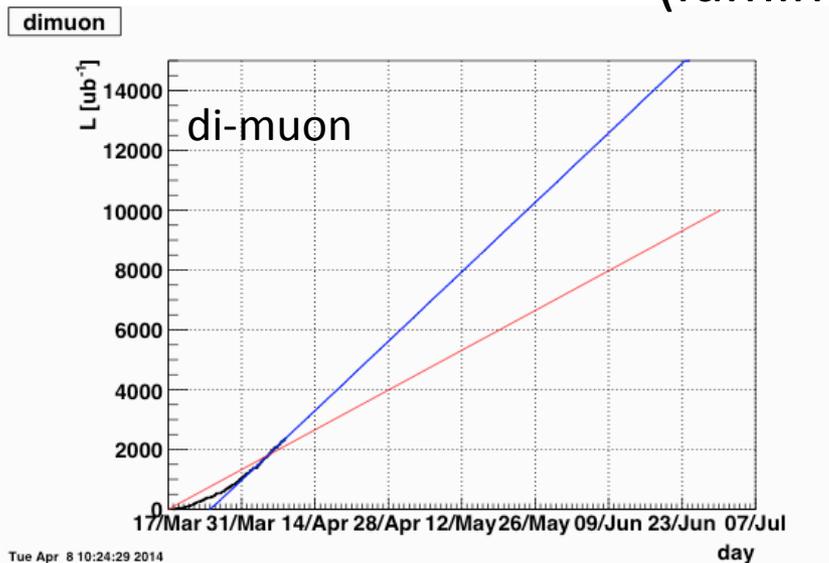
successful week for STAR

- Uptime 83% (was 79% as of April 1st)

Running strategy

- High initial rates → **Three trigger configurations** for physics:
 - High lumi (ZDC > 55 kHz) : PXL + IST taken out (we pump di-muon, photon triggers)
 - Mid Lumi (ZDC 55-40 kHz) and Low (ZDC 40 kHz) : PXL + IST in (priority gradually given to HFT program)

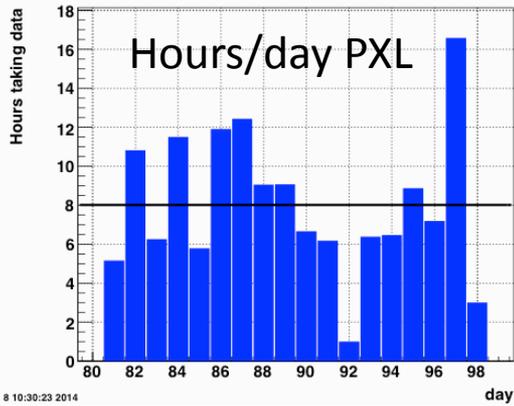
Current Projections on reaching Data Set Goals (luminosity program)



Current projections now largely exceed our expectations for rear events program

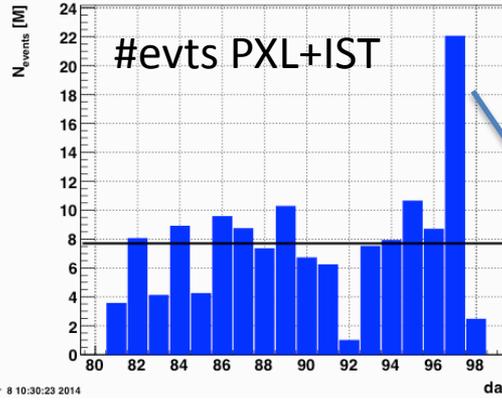
Current Projections on Data Set Goals (minimum bias)

hours_perday_pxl.txt



Tue Apr 8 10:30:23 2014

VPDMB-5-p-nobsmd-effective N_{events} PXL+IST

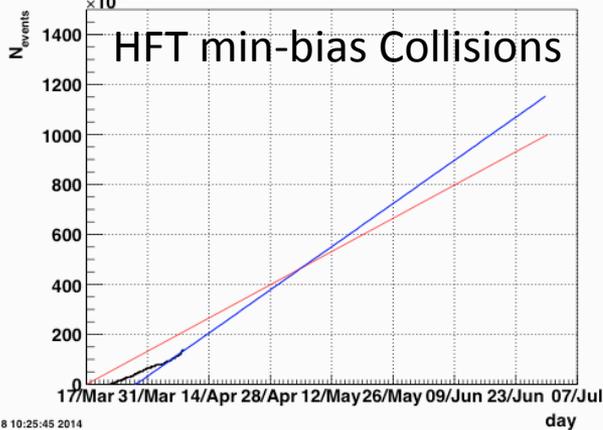


Tue Apr 8 10:30:23 2014

Good uptime (ZDC < 55 Hz) in the past week for our HFT program

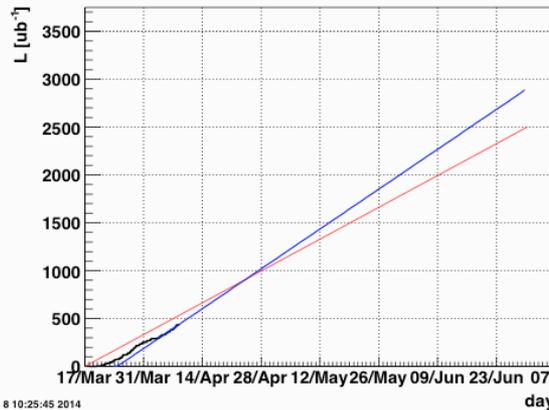
19 h stores? That's nice!

VPDMB-5-p-nobsmd-effective_pxl.txt



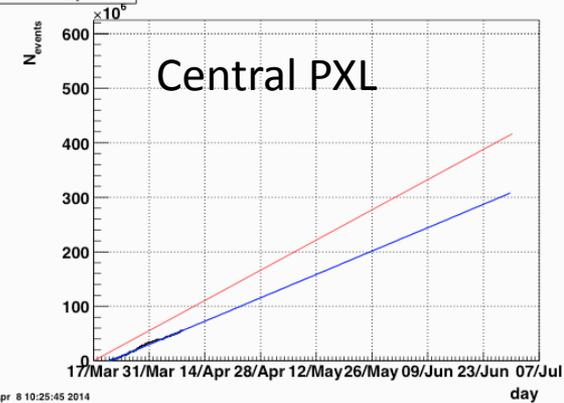
Tue Apr 8 10:25:45 2014

BHT2*VPDMB-30_pxl.txt



Tue Apr 8 10:25:45 2014

Central-5_pxl.txt



Tue Apr 8 10:25:45 2014

- Last week projection → we can catch up with our goals if continue running with enough uptime
- Central PXL still falling short

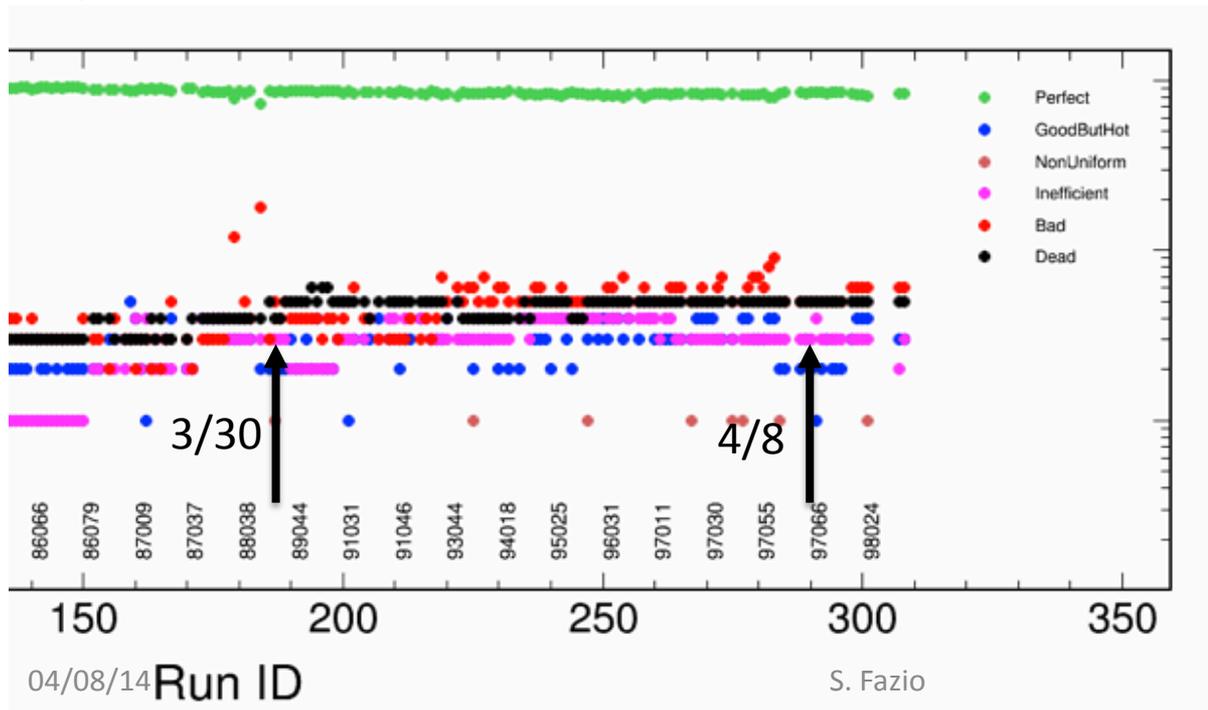
04/08/14

HFT -PXL status

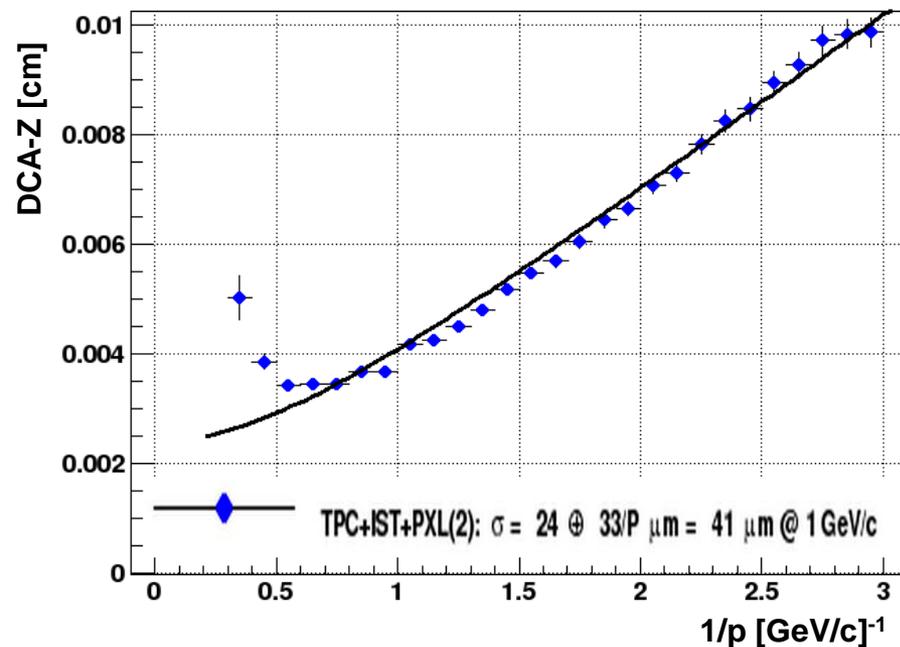
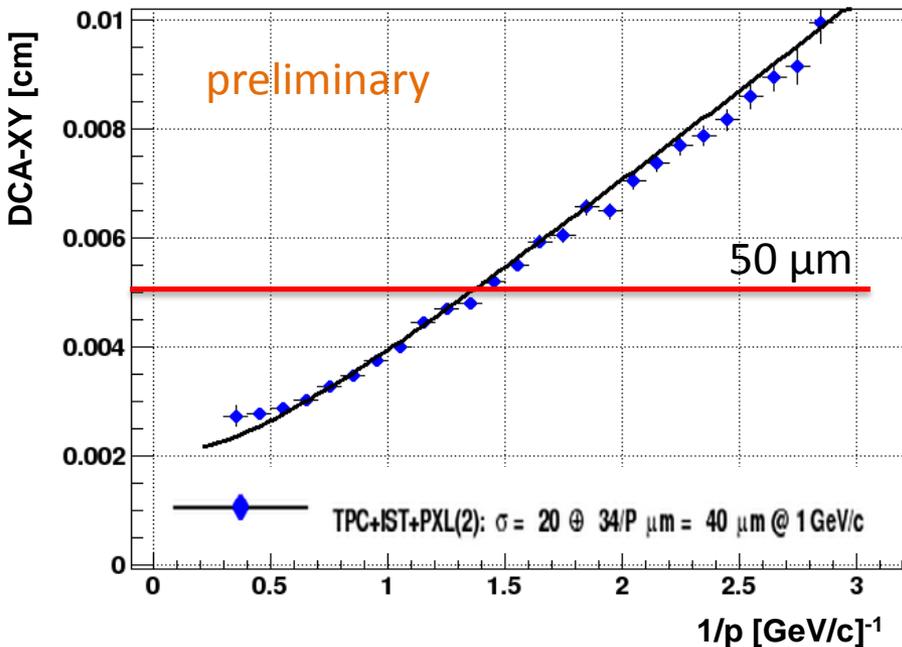
HFT part of routine operations with very few issue that requires expert intervention
PXL operational parameters have been optimized
Including Latch-up threshold, and reset of ladders
The performance of the and status of inner ladders have stabilized.

No change since ~ 3/30

Graph shows dead/bad (black,red) and good,usable (green, blue) as determined by QA for inner ladder



Track Pointing (DCA) resolution [TPC+IST+PIXEL] Au+Au 200GeV/c



- Lines are fits to function:

$$\sigma_{DCA} = \sqrt{A^2 + \left(\frac{B}{p}\right)^2}$$

MCS term

Vertex, Detector and Mis-Alignment Resolution terms

Data from March 22