

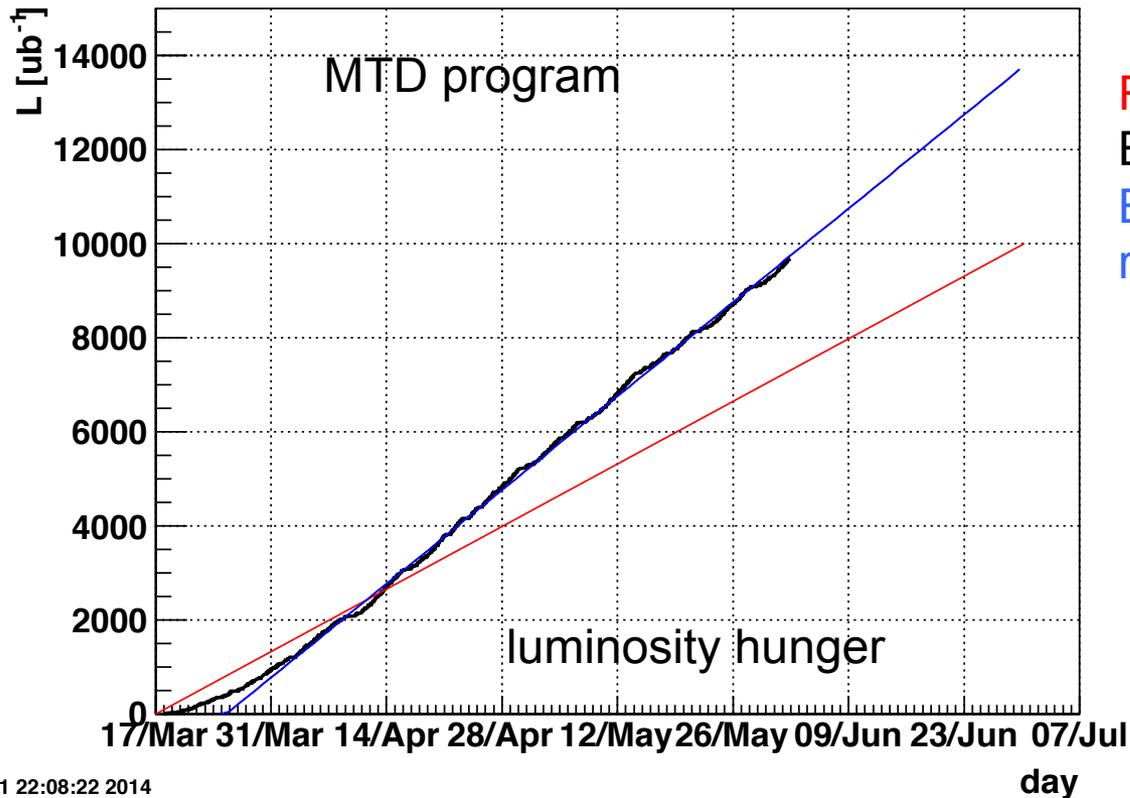
STAR Running Status

Shusu Shi

June 3rd, 2014

Luminosity and Events

dimuon_upsiloneff



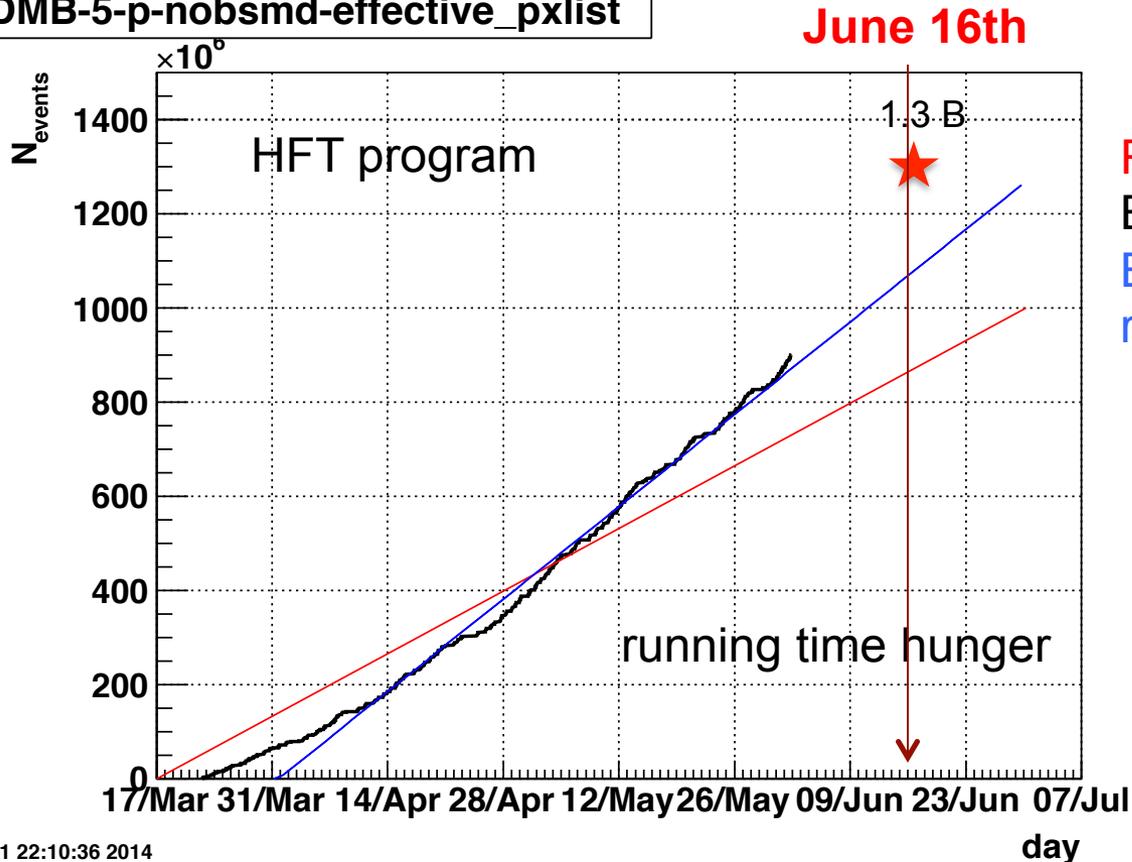
Red: goal
Black: STAR performance
Blue: projection based on recent ~6 weeks

Sun Jun 1 22:08:22 2014

Luminosity hunger trigger (MTD program) looks pretty good
But always better with more statistics (Upsilon)!

Luminosity and Events

VPDMB-5-p-nobsmd-effective_pclist



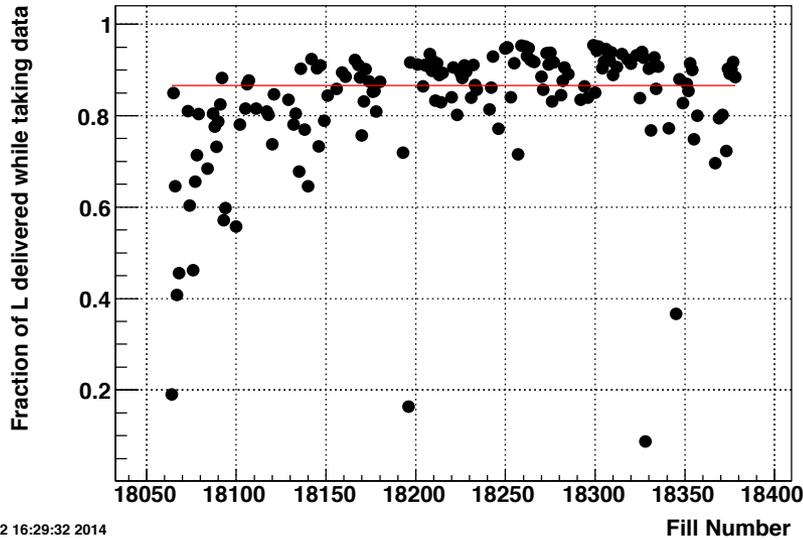
Red: goal
 Black: STAR performance
 Blue: projection based on recent ~6 weeks

Sun Jun 1 22:10:36 2014

- Due to acceptance loss in PXL detector caused by beam radiation, we need ~30 % more events to have the same quality of physics result.
- Re-optimizing at STAR increases HFT data rate by ~ 8% per hour store
- We need more time at store for Au+Au@200GeV!

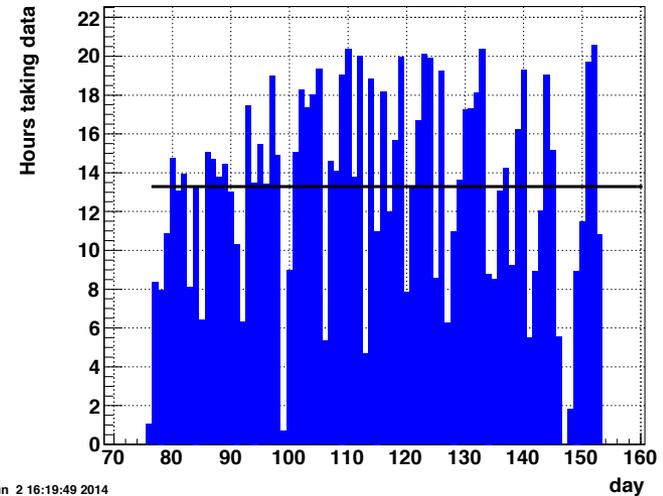
Data Taking Time

Fraction of L delivered while taking data



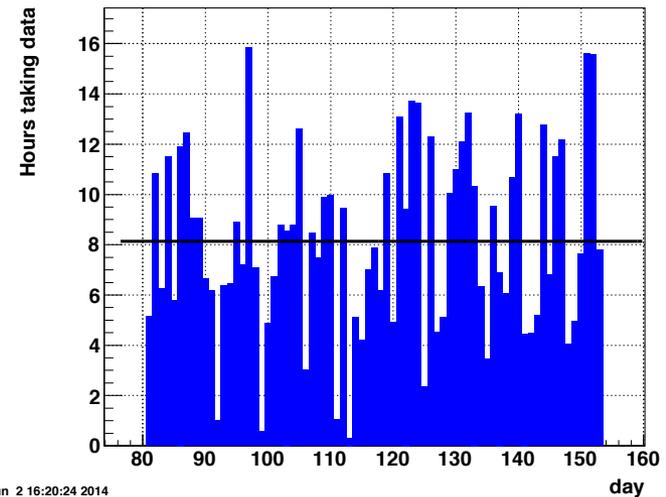
Mon Jun 2 16:29:32 2014

hours_perday.txt



Mon Jun 2 16:19:49 2014

hours_perday_pclist.txt



Mon Jun 2 16:20:24 2014

➤ STAR is running very efficiently.