

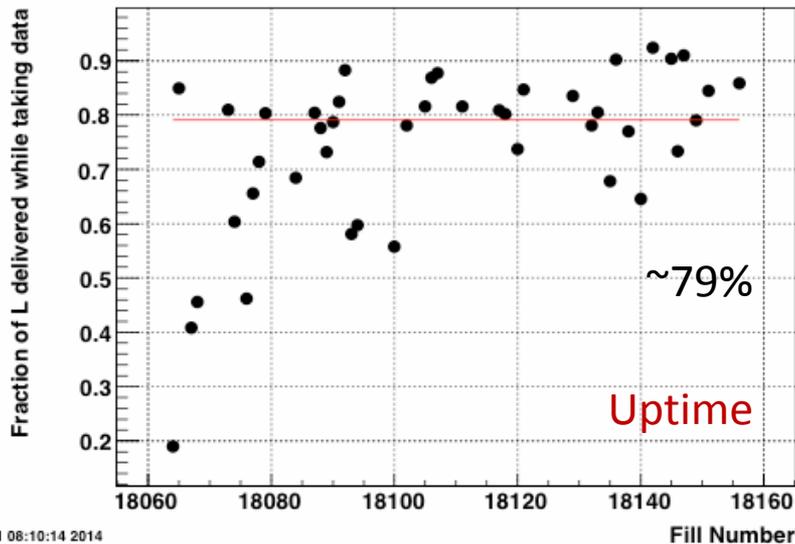
STAR Time Meeting Report

April 01, 2014

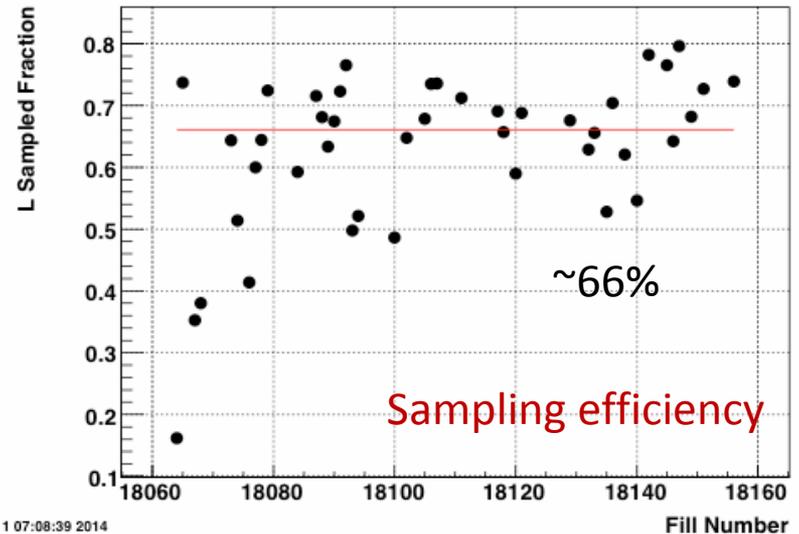
Salvatore Fazio

Sampling luminosity

Fraction of L delivered while taking data



L Sampled Fraction

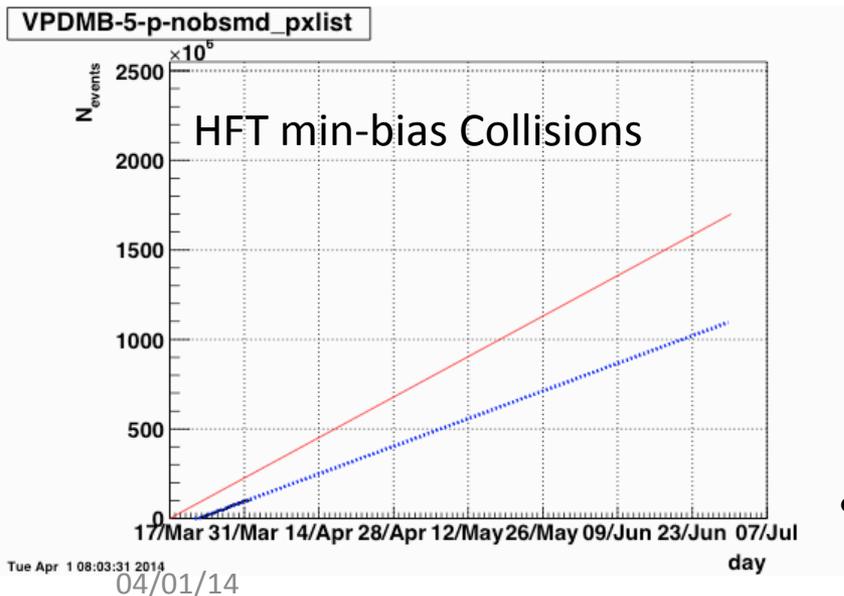
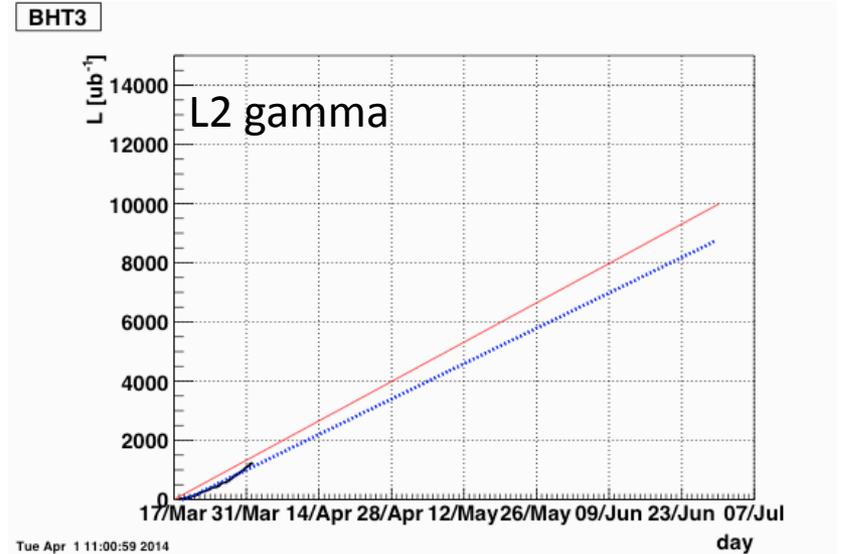
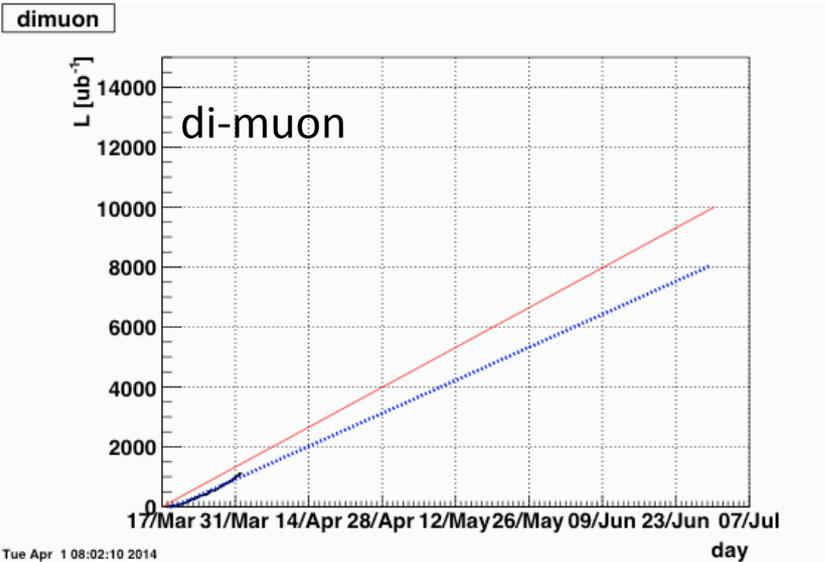


STAR is up and smoothly running

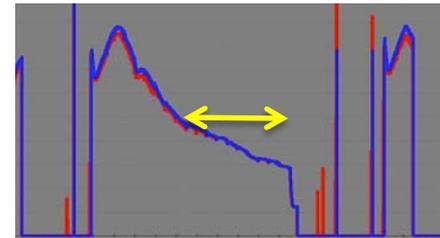
10 h long stores helps running efficiently:

- Uptime 79% (was 74% as of March 26th)
- Sampling efficiency 66% (was 63% as of March 26th)

Current Projections on reaching Data Set Goals



- High initial rates → two trigger configurations for physics:
 - Starting of the run → PXL taken out (we pump di-muon triggers)
 - When rates in ZDC go below 50 kHz → PXL in, HFT turns on



- **Up time needed** for our HFT physics program

HFT status

- HFT turned on only after ZDC ≤ 50 kHz and runs very smoothly
- More efficient data taking, less dose during power on period
- 2 additional inner sensors off (6/100) in inner layer (this weekend)
- Latch up levels, and operational automatic scripts (auto configure) has been optimized to increase protection, and reduce current draw on sensors
- The failures are not understood, and completely unexpected based on extensive testing in the years leading up to construction of PXL

