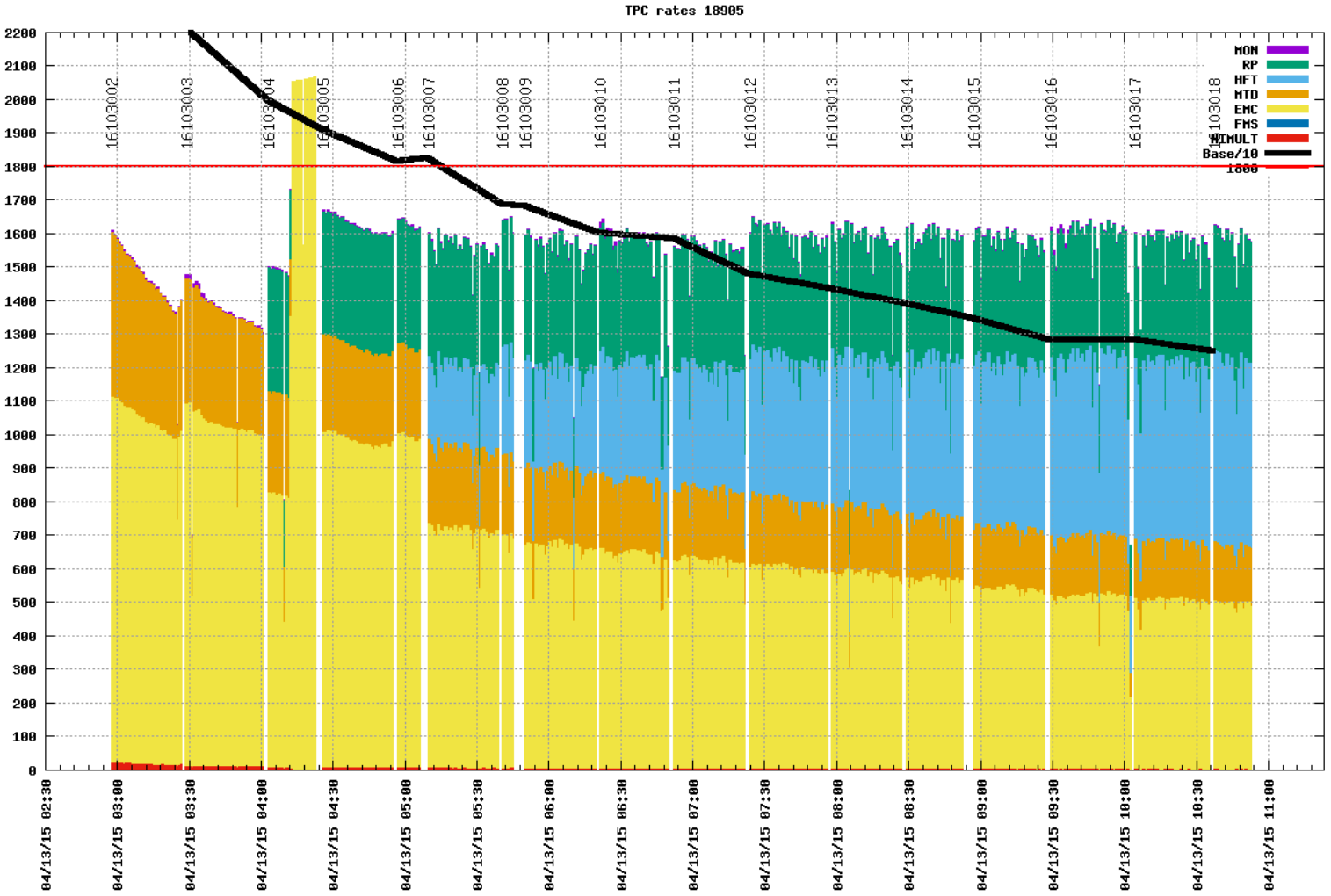
# STAR status

Mustafa Mustafa
LBL

Time Meeting
2015, Apr. 14th

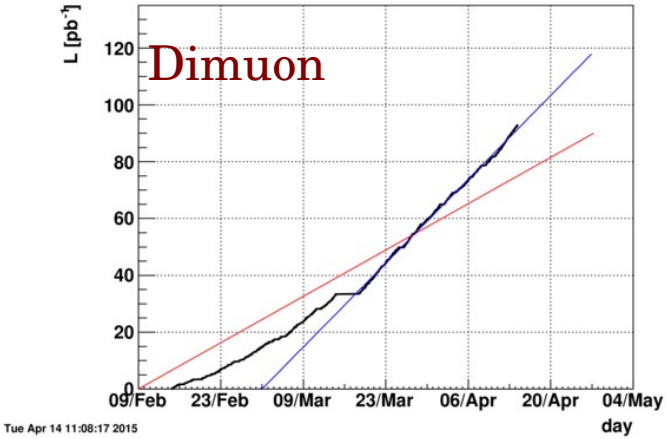
# Dynamic prescaling, balancing between physics programs:

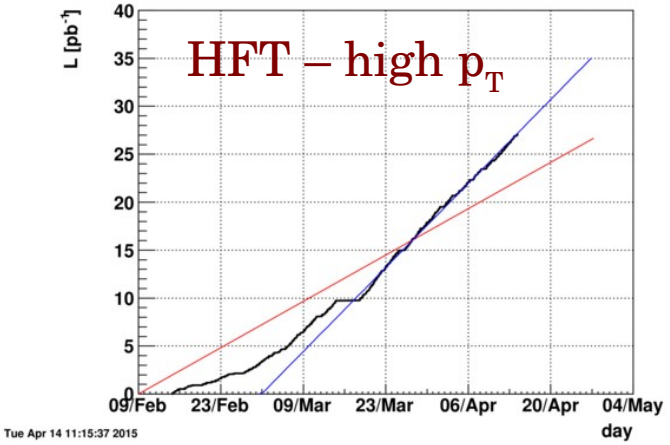



STAR ☆

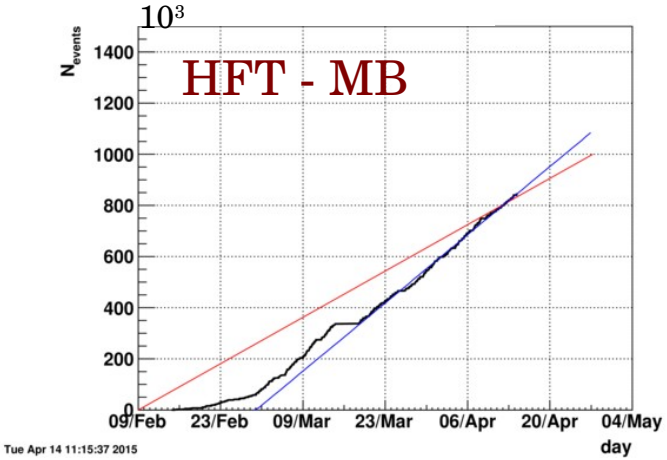
# Unpolarized p+p:

- Doing very well on our rare triggers.

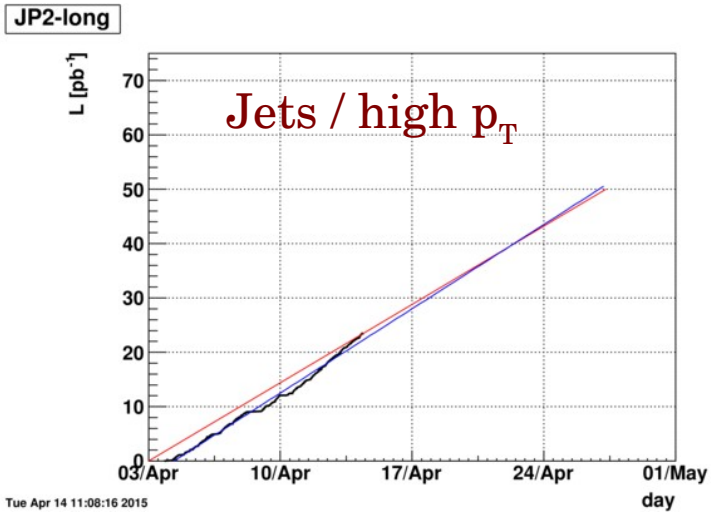


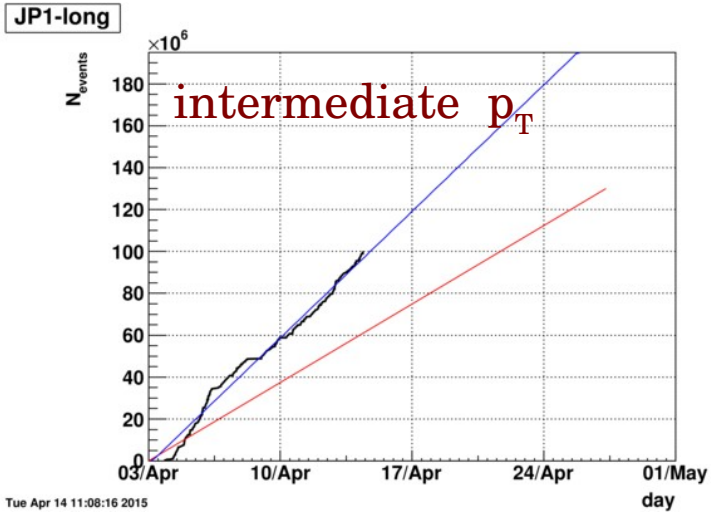




- Steadily progressing towards our goals!



# Longitudinally Polarized p+p:

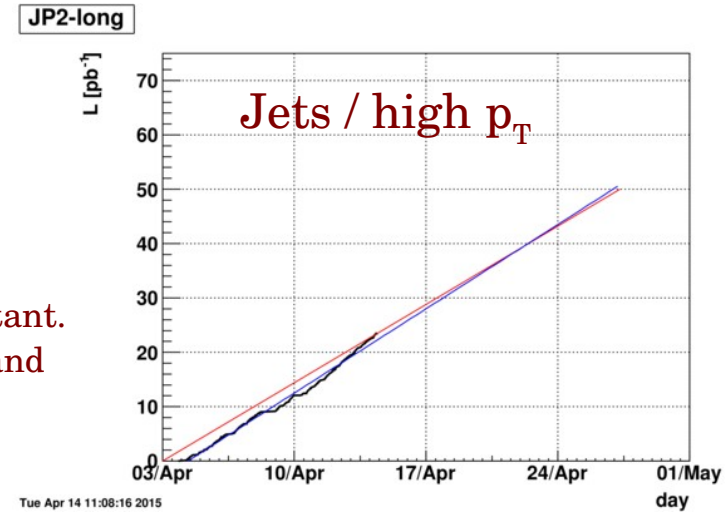


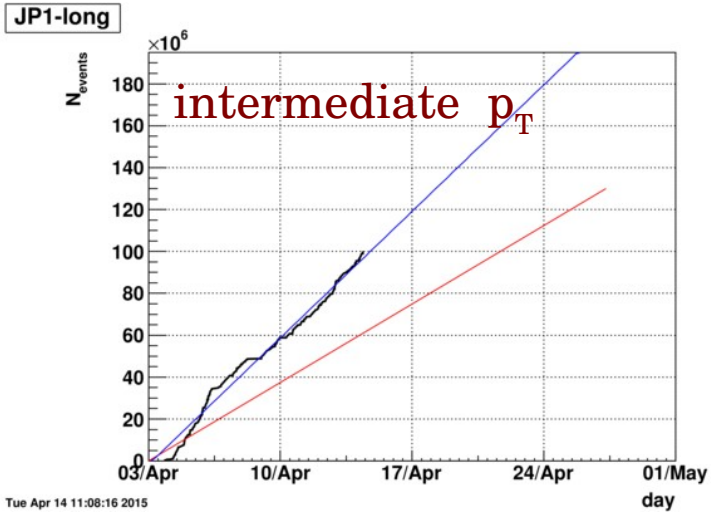



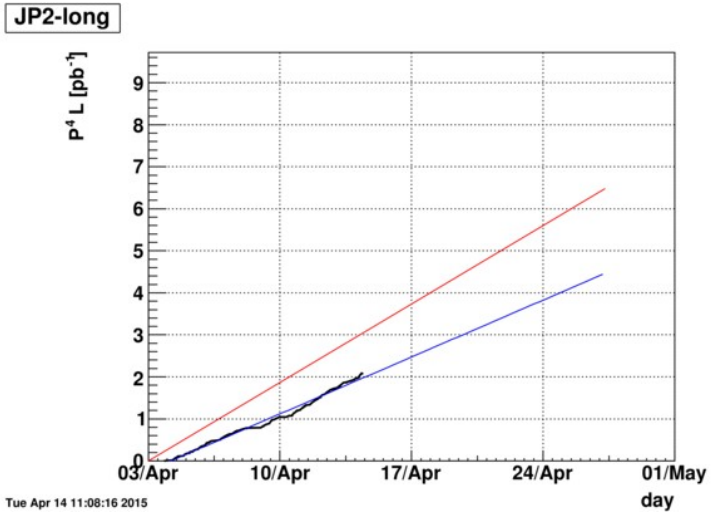
# Longitudinally Polarized p+p:

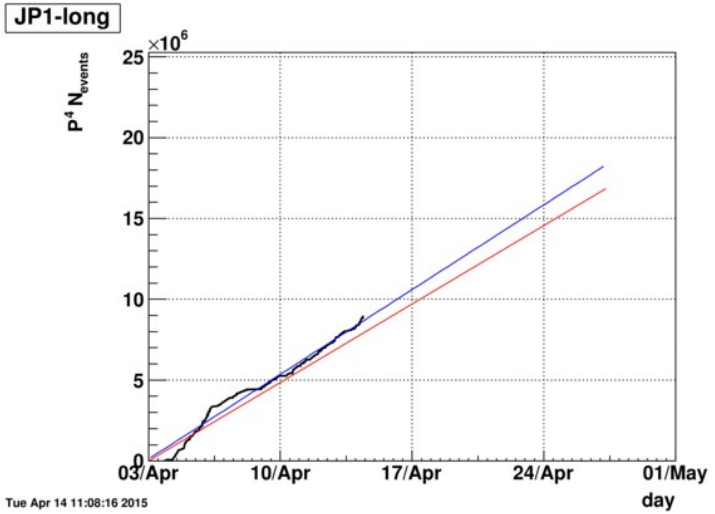
FOM ~ $P^4$ L

- Ploarization is very important.
- We continue to take data and work on our efficiency.



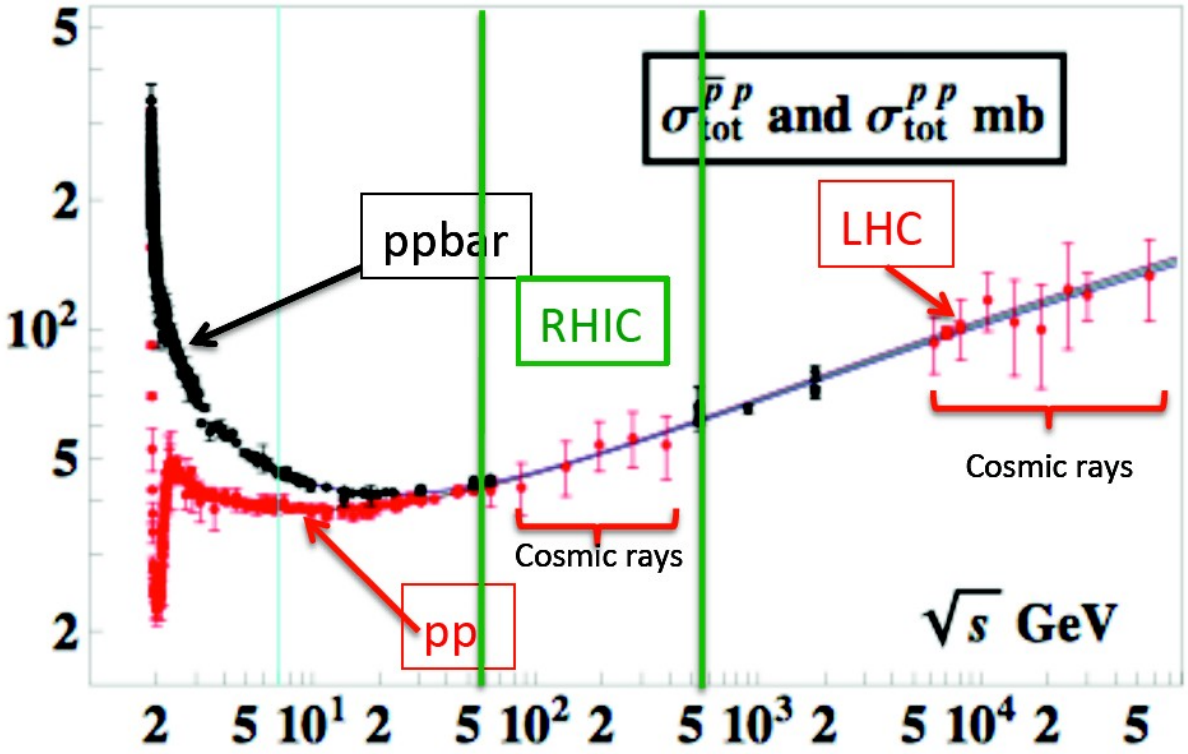




STAR ☆

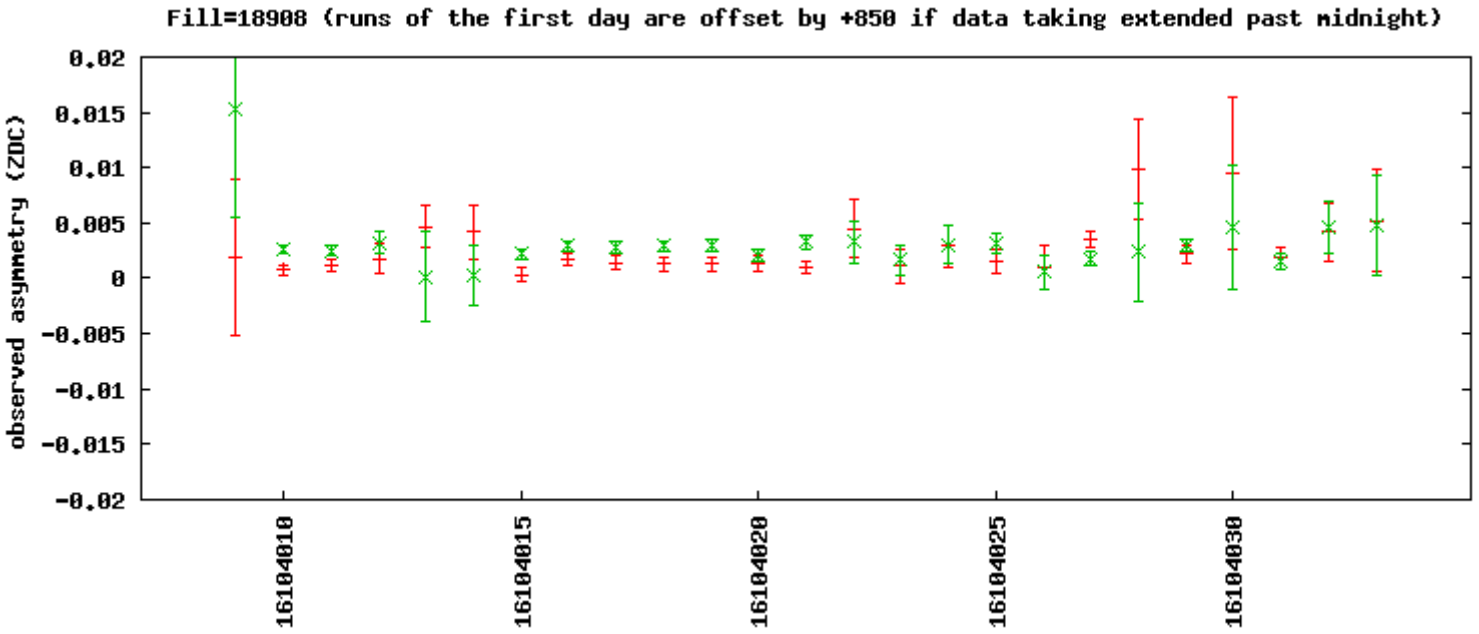
# Request for End of a Store to Measure Total and Elastic Cross-Sections at RHIC



# Request for End of a Store to Measure Total and Elastic Cross-Sections at RHIC

- Normal β*.
- Four hours at the end of a store to have the cleanest beam possible.

1) Luminosity measurement (30').
2) Data taking 3 hours @ 1KHz fast stream for ET => 10M triggers.
   - All other triggers unchanged.
   - Will move RPs closer than nominal 25mm.
3) Luminosity measurement (30').

# Backup

# Transverse polarization residual: