

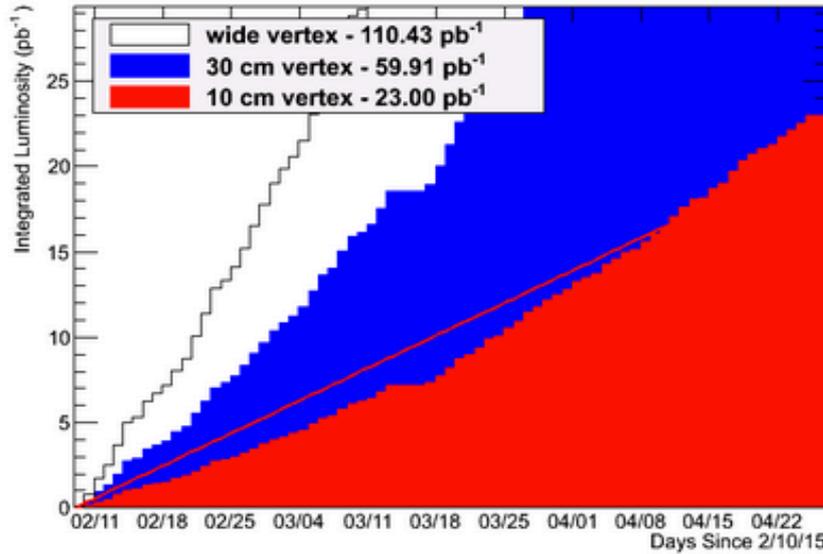
PHENIX Run15 pp

Itaru Nakagawa

RIKEN/RBRC

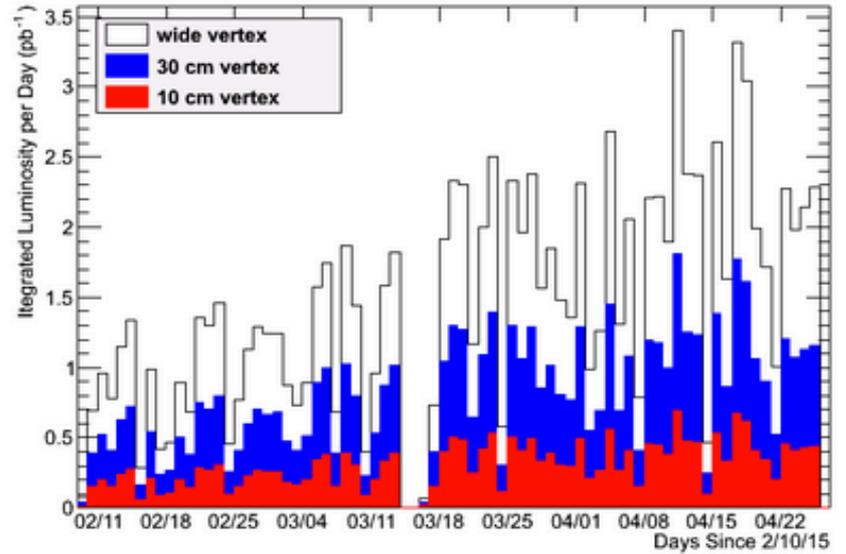
PHENIX Integr. Sampled Lumi vs Day

Mon Apr 27 09:00:31 2015



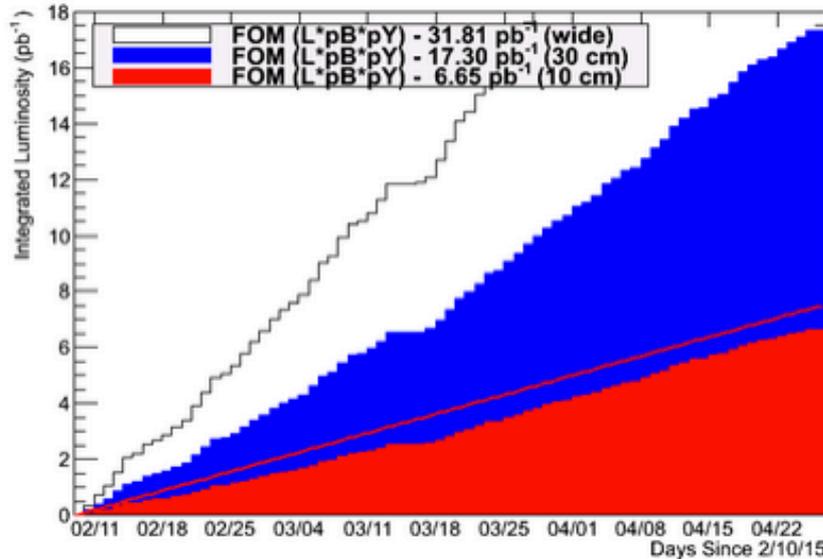
PHENIX Integr. Sampled Lumi/Day vs Day

on Apr 27 09:00:31 2015



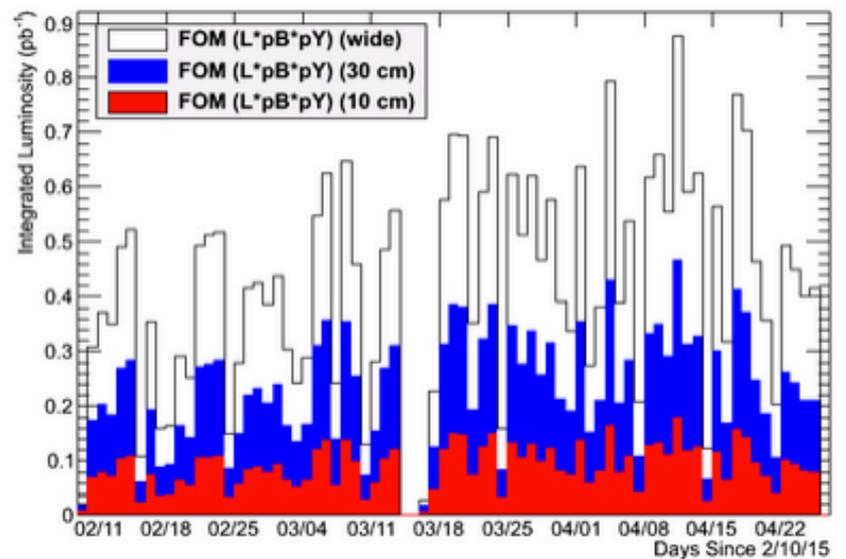
PHENIX Integr. FOM vs Day

Mon Apr 27 09:00:31 2015



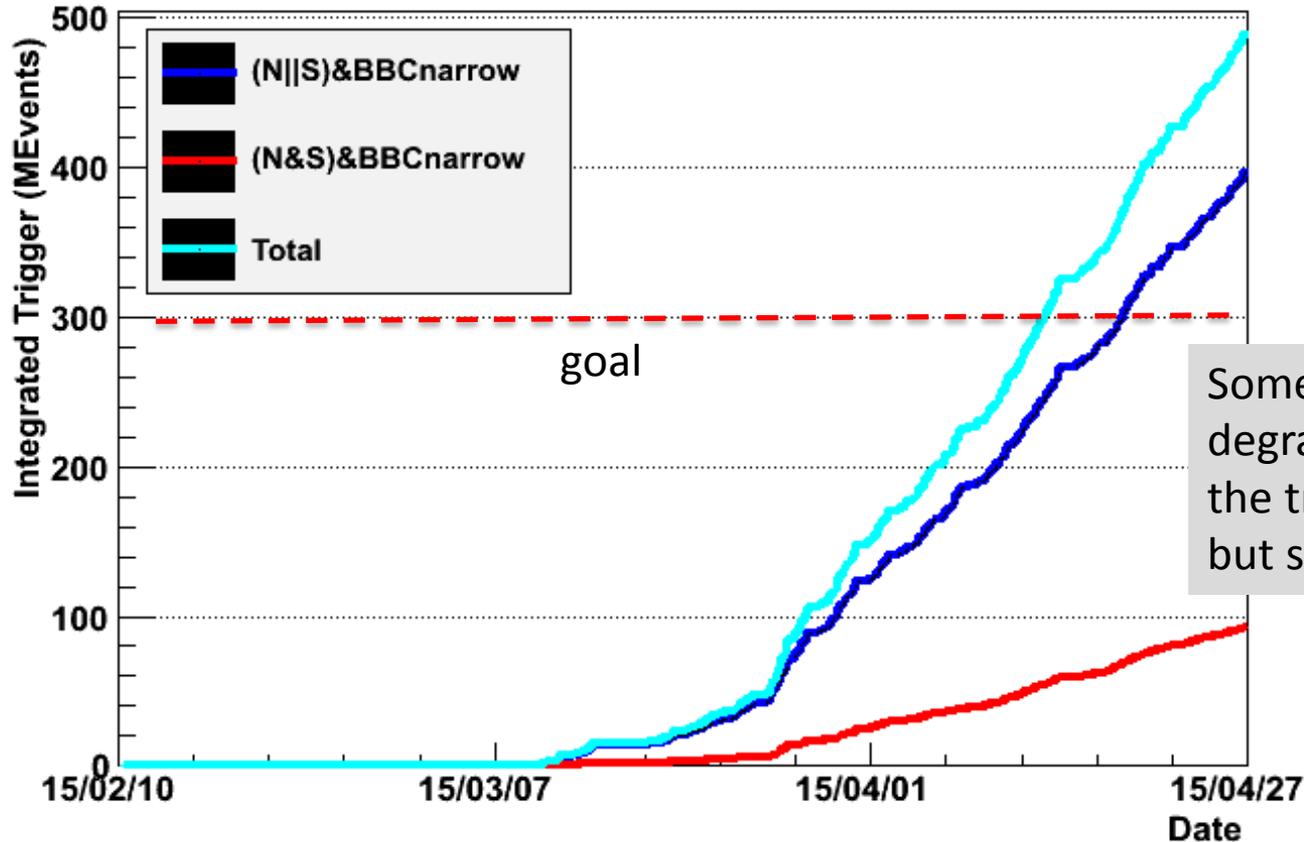
PHENIX Integr. FOM/Day vs Day

Mon Apr 27 09:00:32 2015



FVTX High Multiplicity Trigger

FVTX High Multiplicity Integrated Trigger

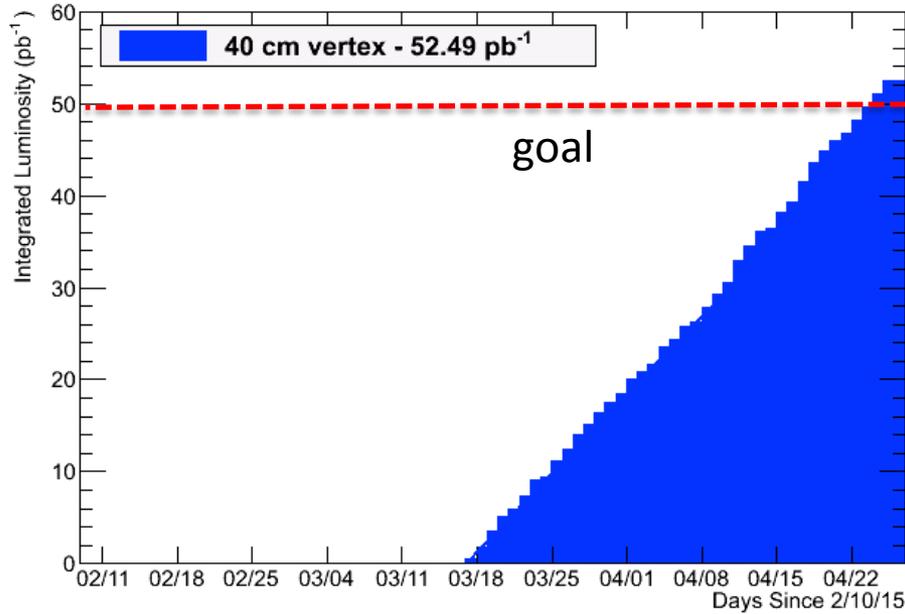


Some loss due to the degraded performance of the trigger than assumed, but successful in general.

MPC-Ex Integrated Luminosity Goal

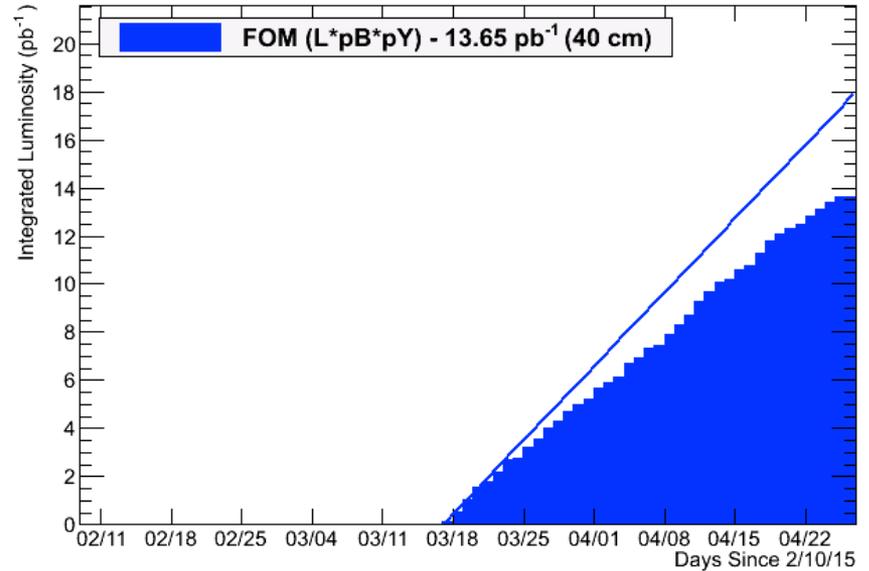
MPC-EX Integr. Sampled Lumi vs Day

Mon Apr 27 09:00:31 2015

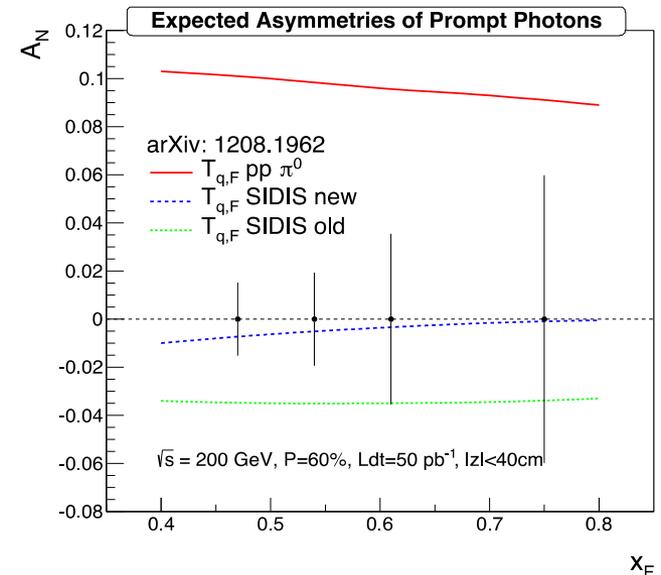


MPC-EX Integr. FOM vs Day

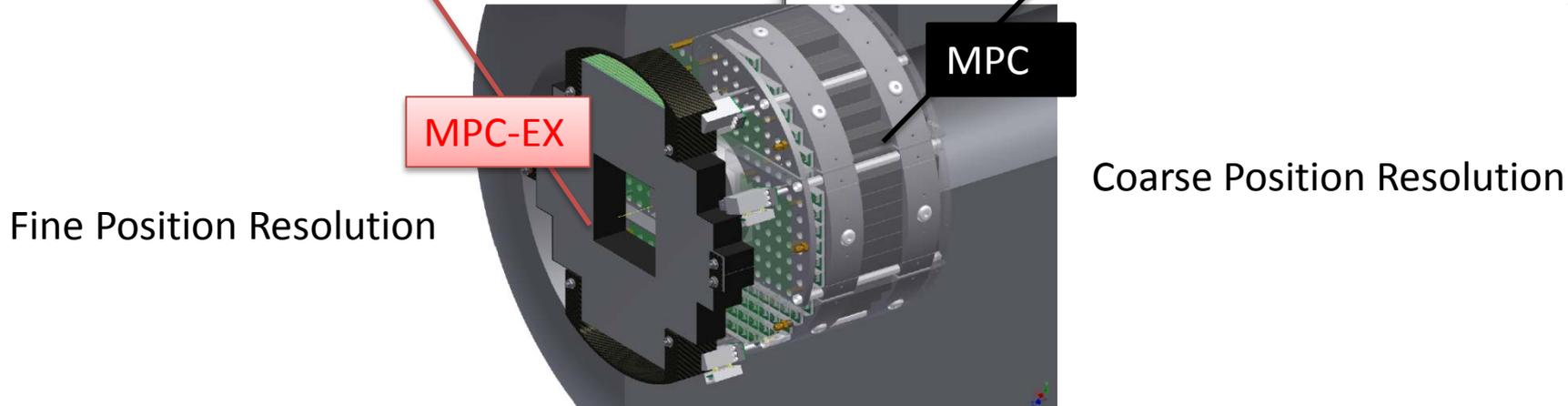
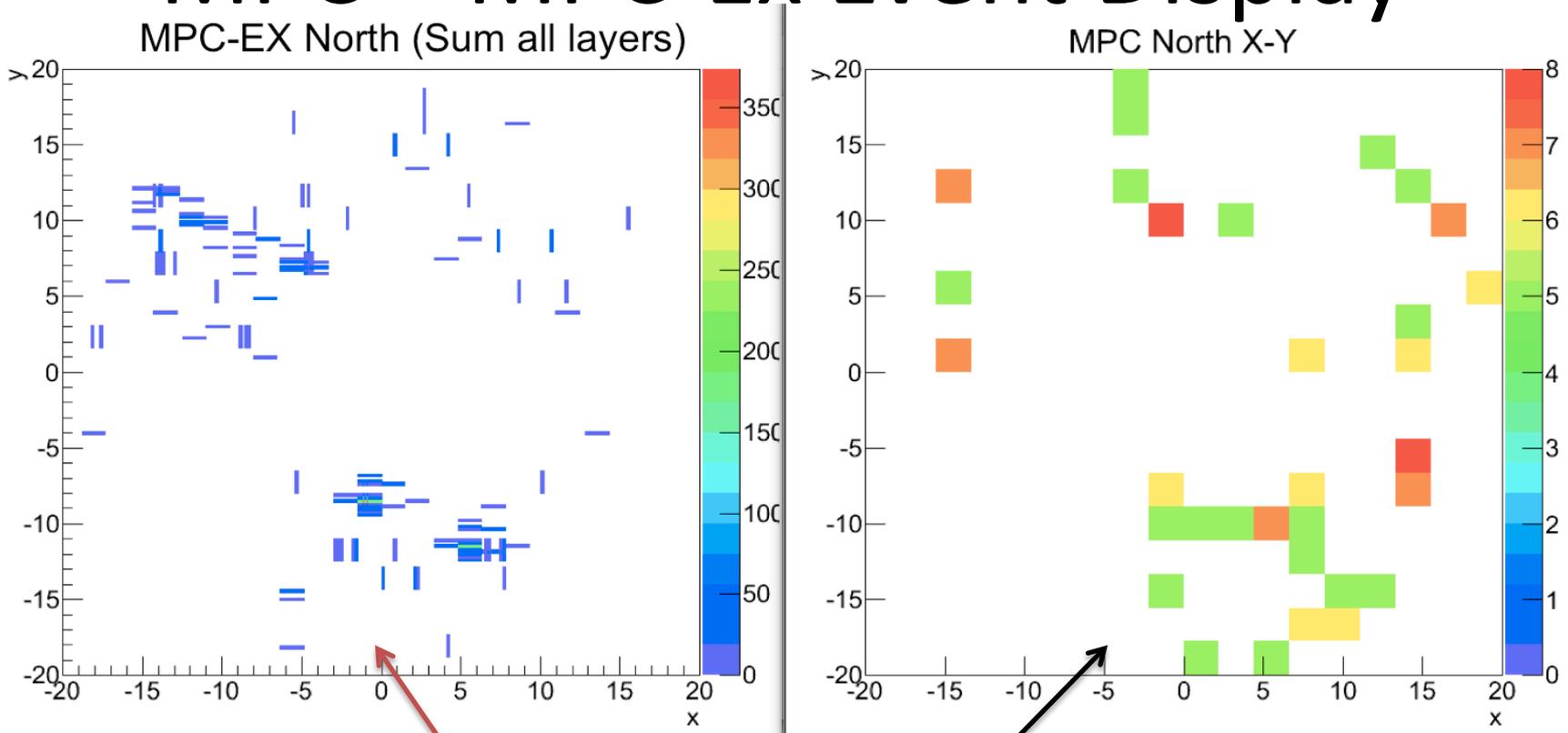
Mon Apr 27 09:00:32 2015



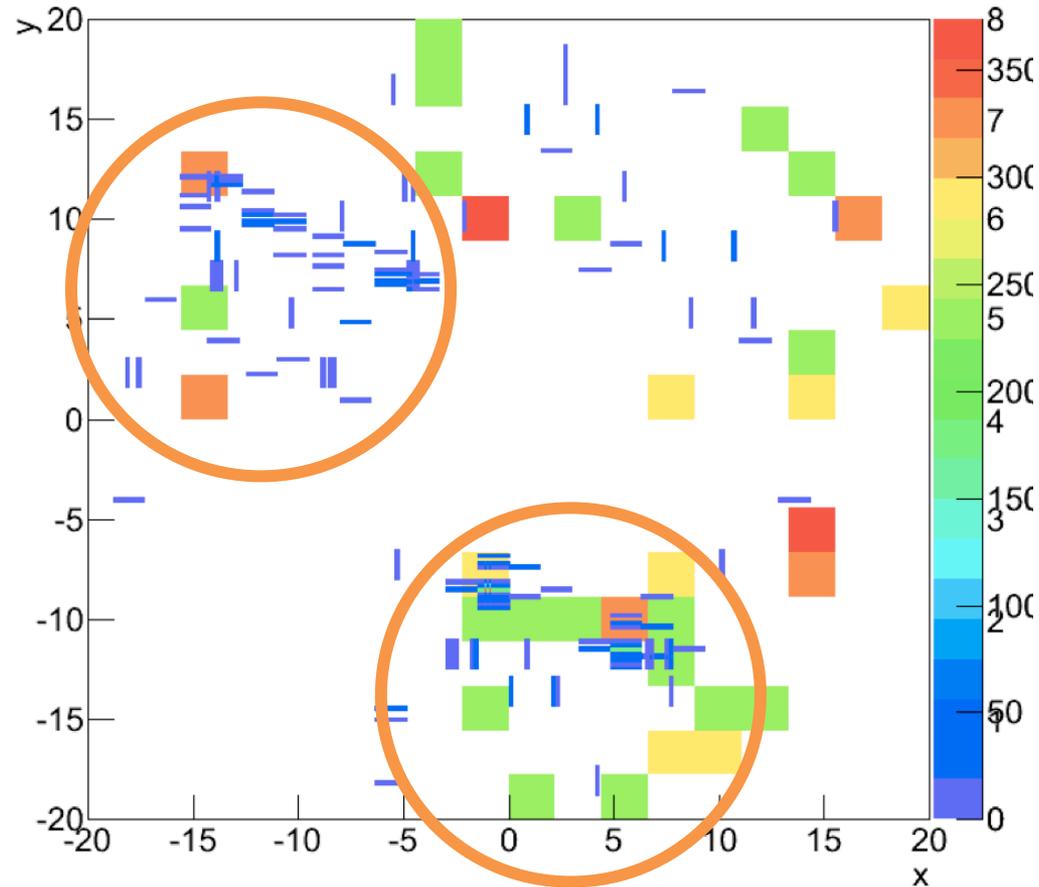
Luminosity wise, we achieved the goal while the achievement is 77% for FOM



MPC + MPC-Ex Event Display

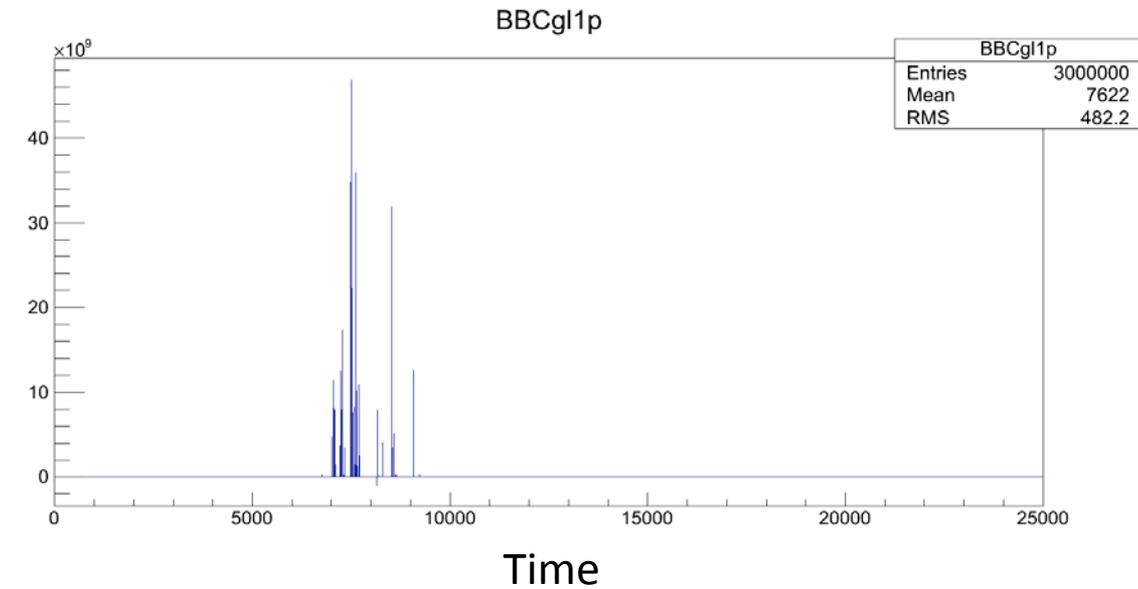


MPC+MPC-Ex Event Display

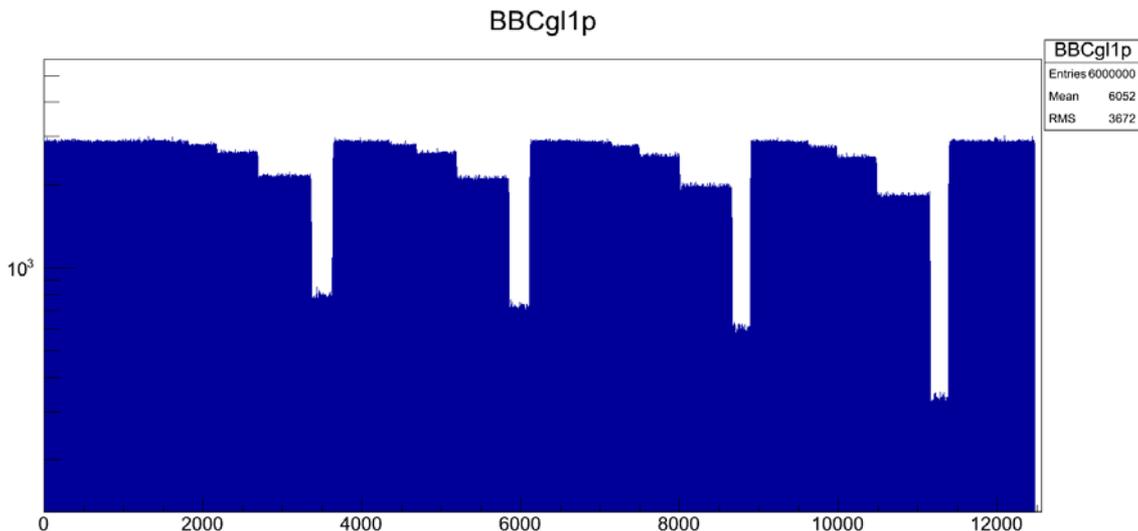


Two electromagnetic shower development can be seen.

Vernier Scan

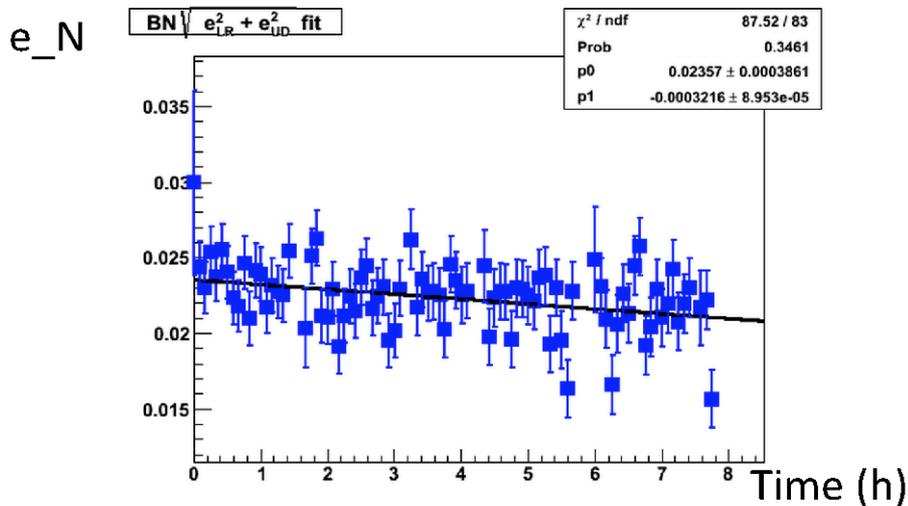


- April 24, we noticed that necessary clock information has been missing from our scaler trigger data.
- Reconfigured the trigger and ran another Vernier scan, but found the new configuration wasn't relevant in offline analysis.

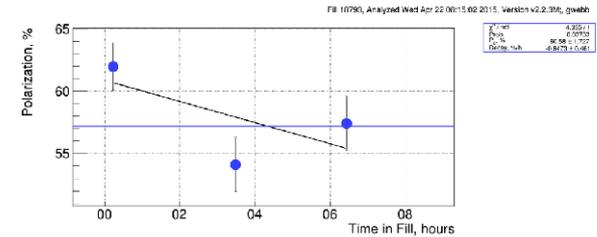


- Restored Run13 trigger configuration and ran another Vernier scan on April 26. Confirmed to be consistent data with typical good Vernier scan data.

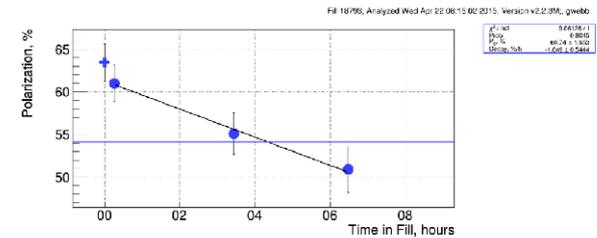
Polarization Decay Measurement using Local Polarimeter



SMD scaler measurement for an 8 hours fill



B1U

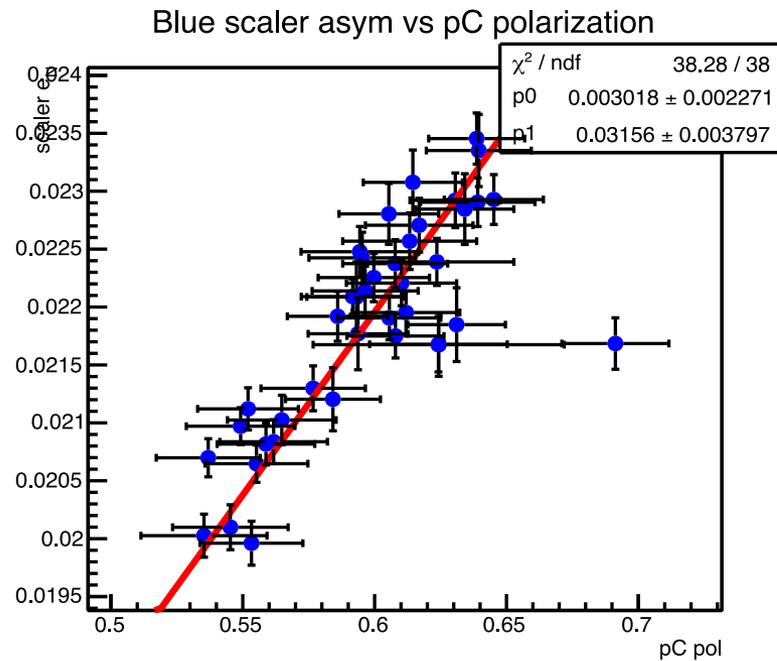


B2D

pC polarization measurement

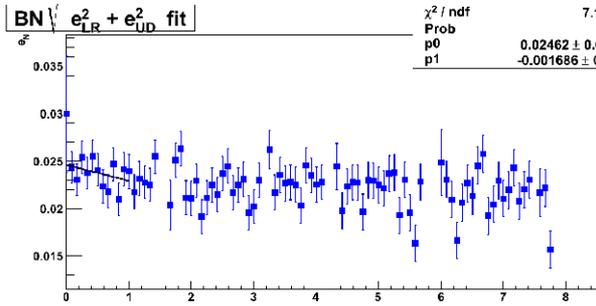
Statistics Scaler data >> regular data taking

Correlation between SMD scaler e_N and pC polarization

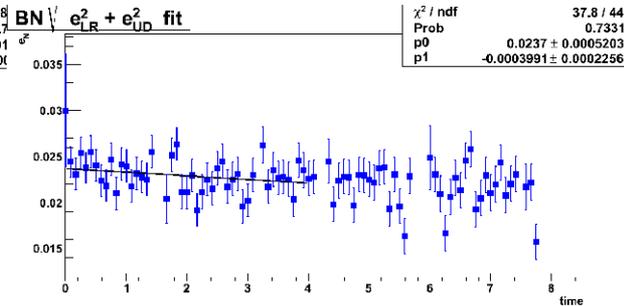


by fill measurement

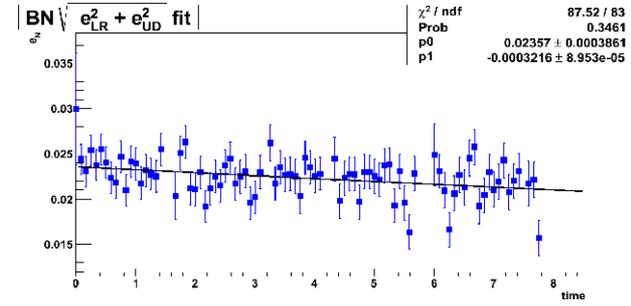
How Quickly we know the slope?



Linear fit for 1 hour
 e_N measurements

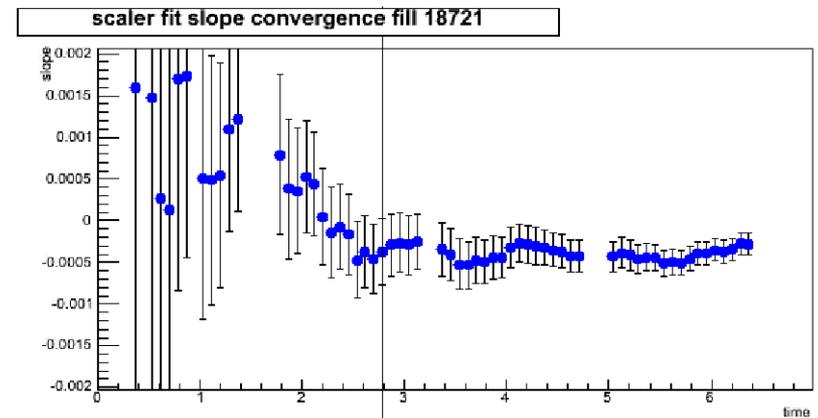
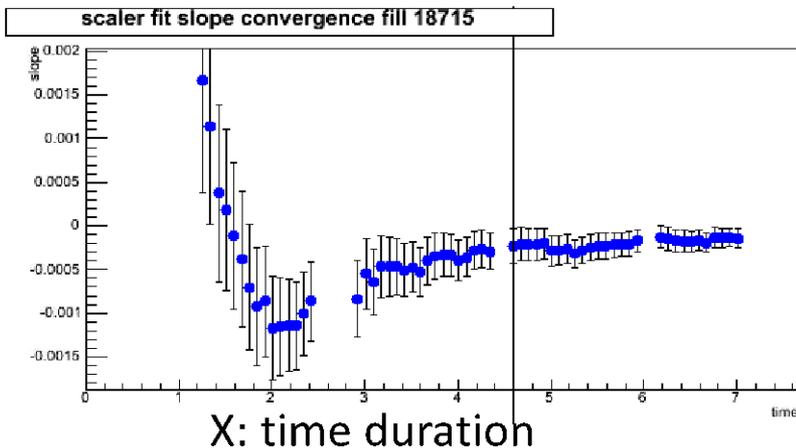


4 hours



8 hours

Y: Scaler
slope



3 to 4 hours to converge. Working on operation condition to gain more statistics.