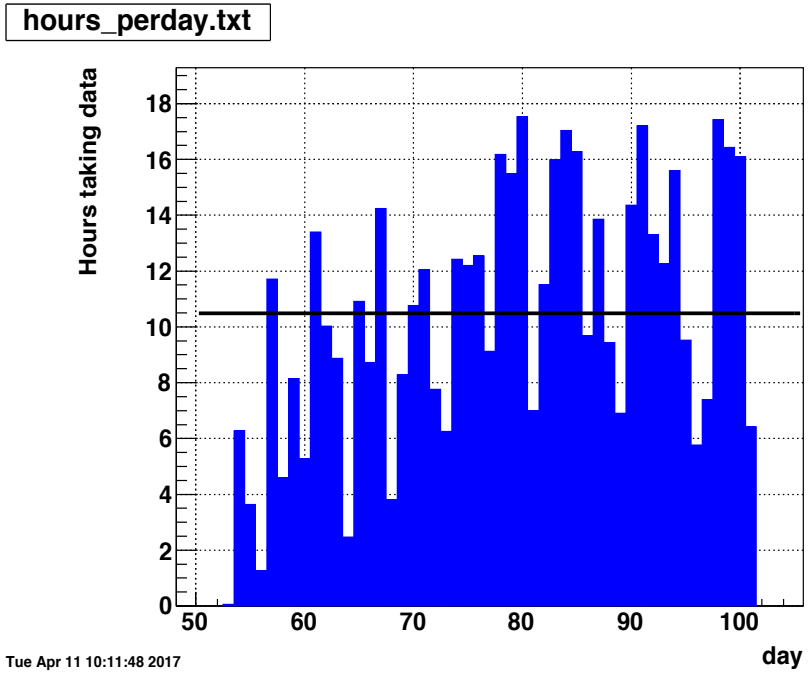
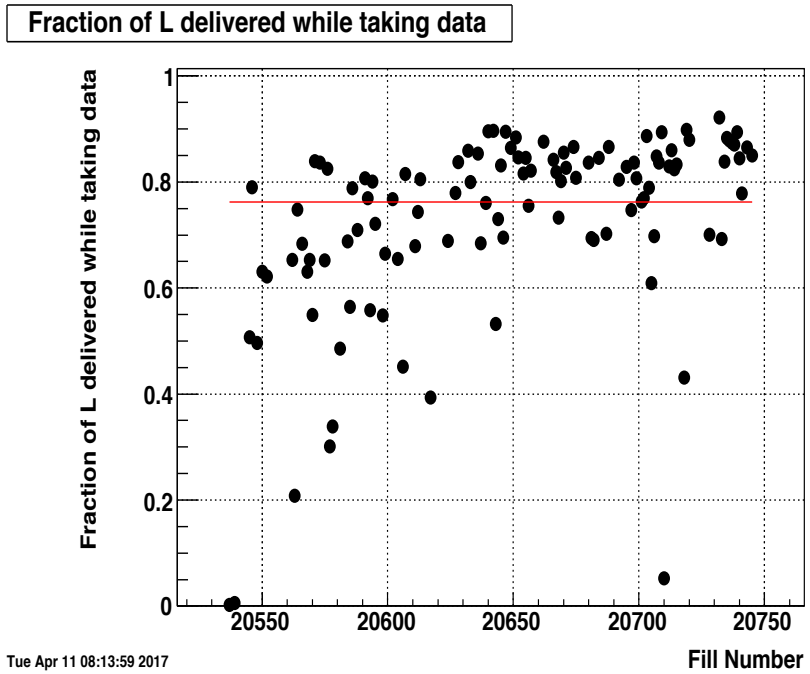
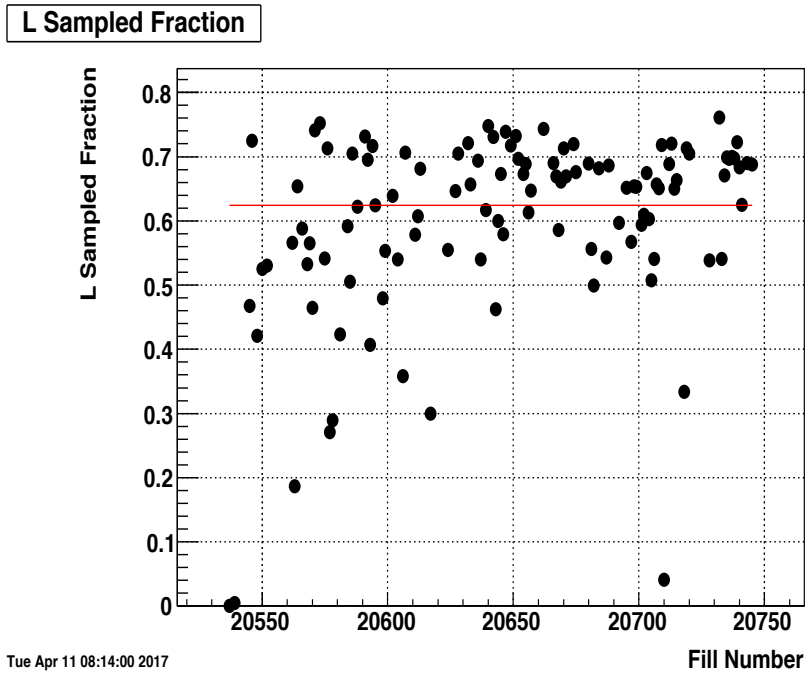
STAR Status Report

Shuai Yang

STAR operation – ran smoothly last week

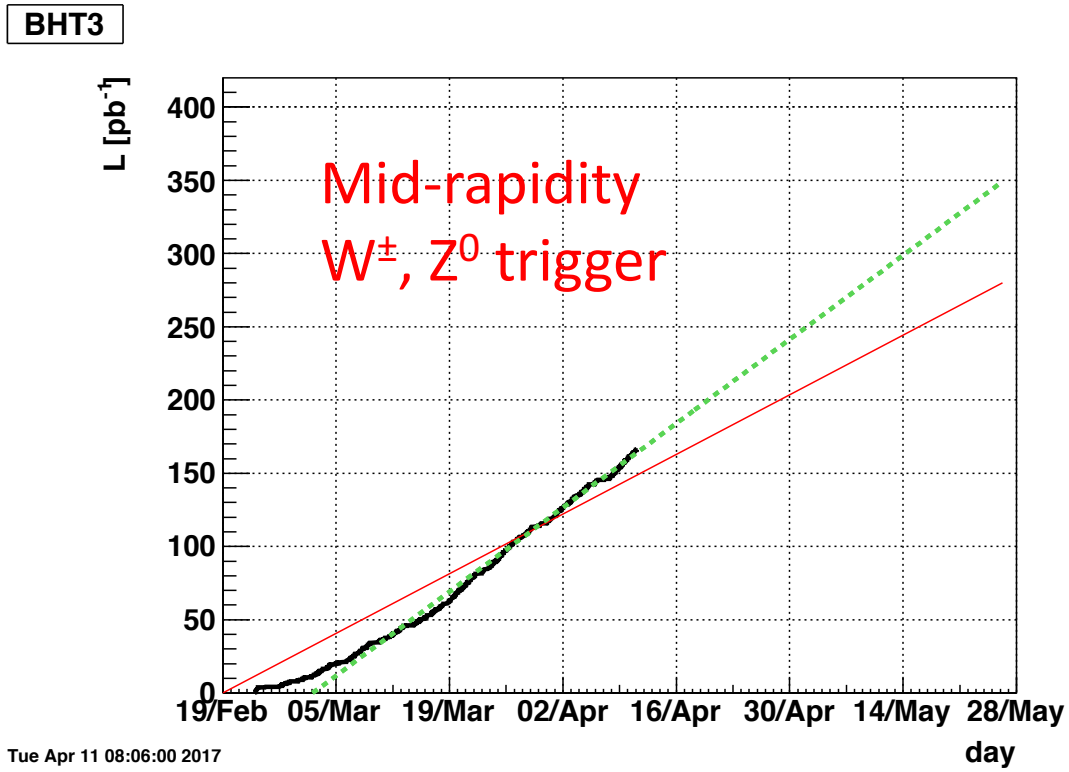


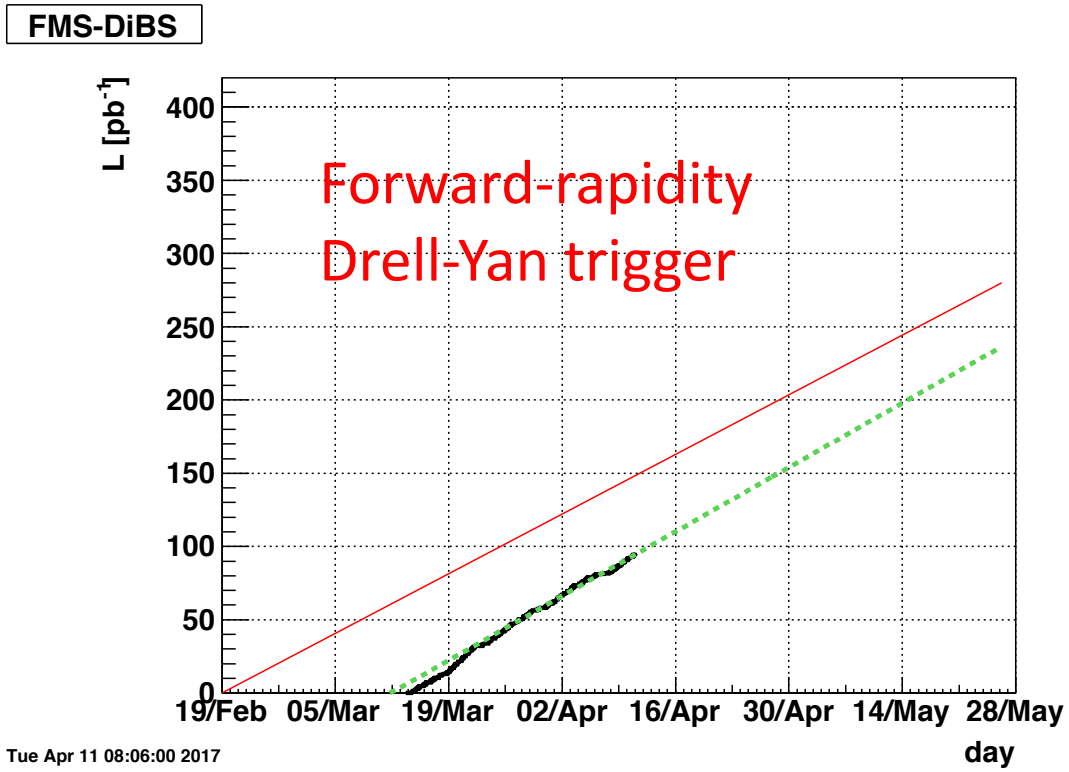


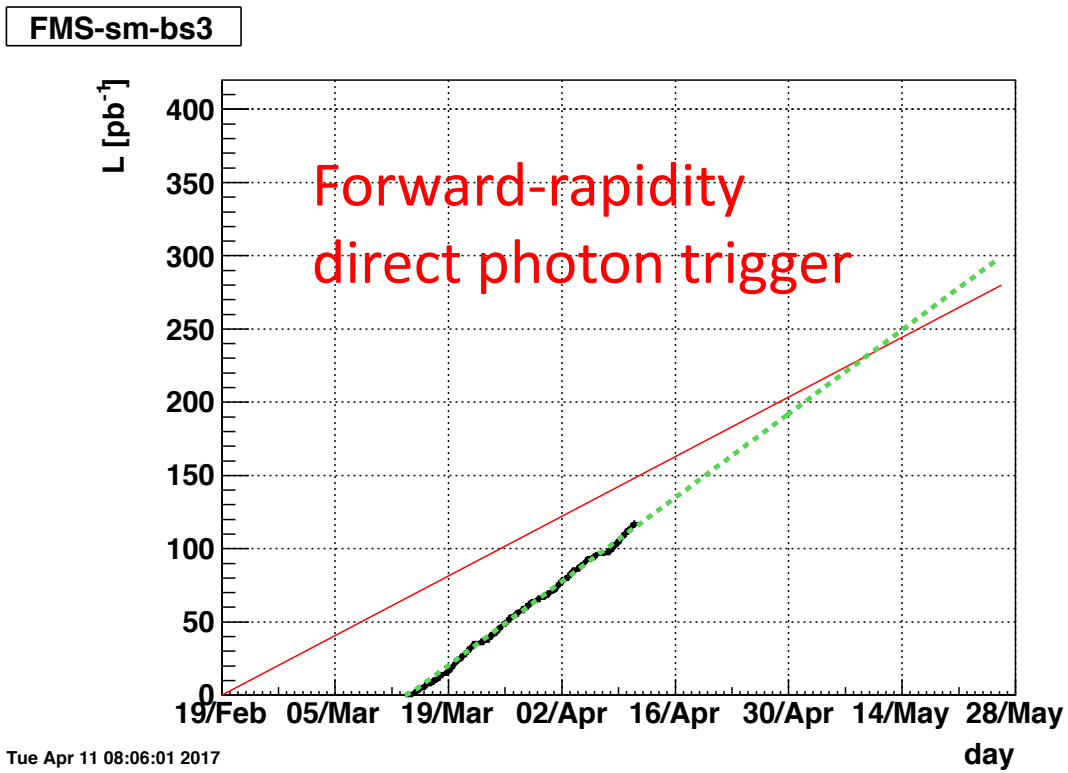


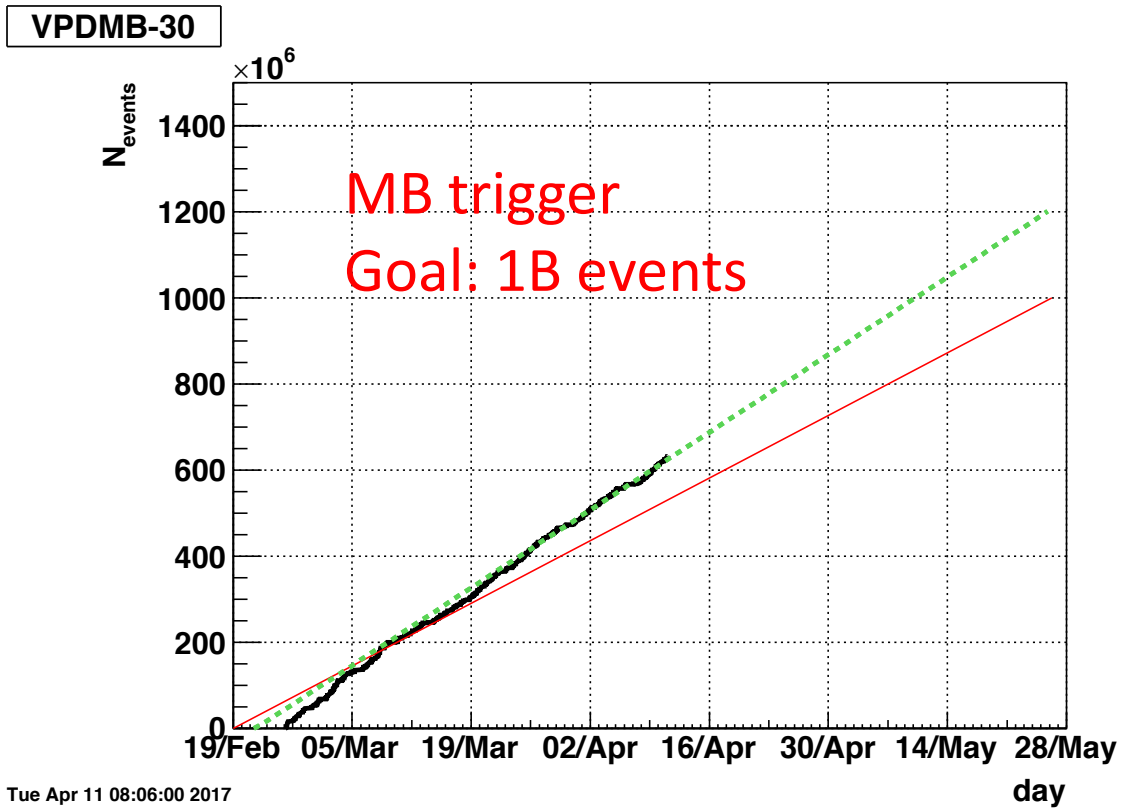
Current projection on data set goals

- Weak Bosons & Drell-Yan measurements in the BUR assumed: *RHIC delivered Luminosity of 400pb^{-1}* * STAR Luminosity sampling efficiency = ***280 pb^{-1} sampled luminosity***



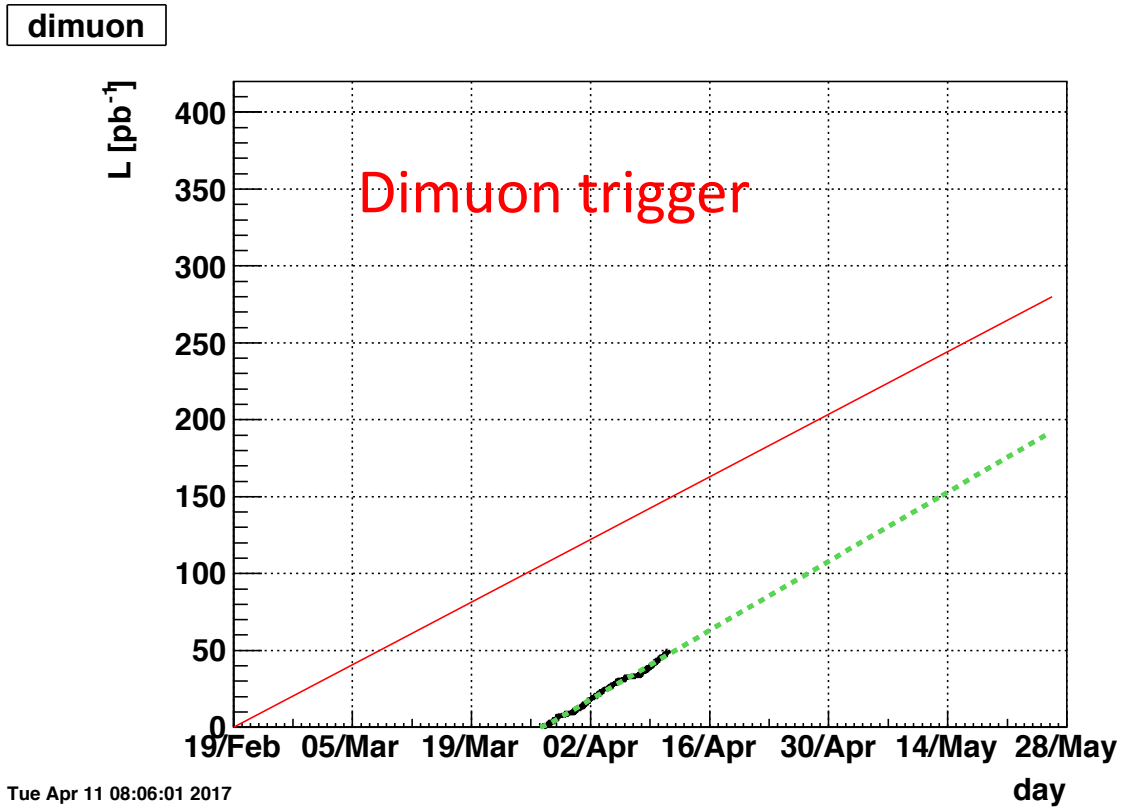


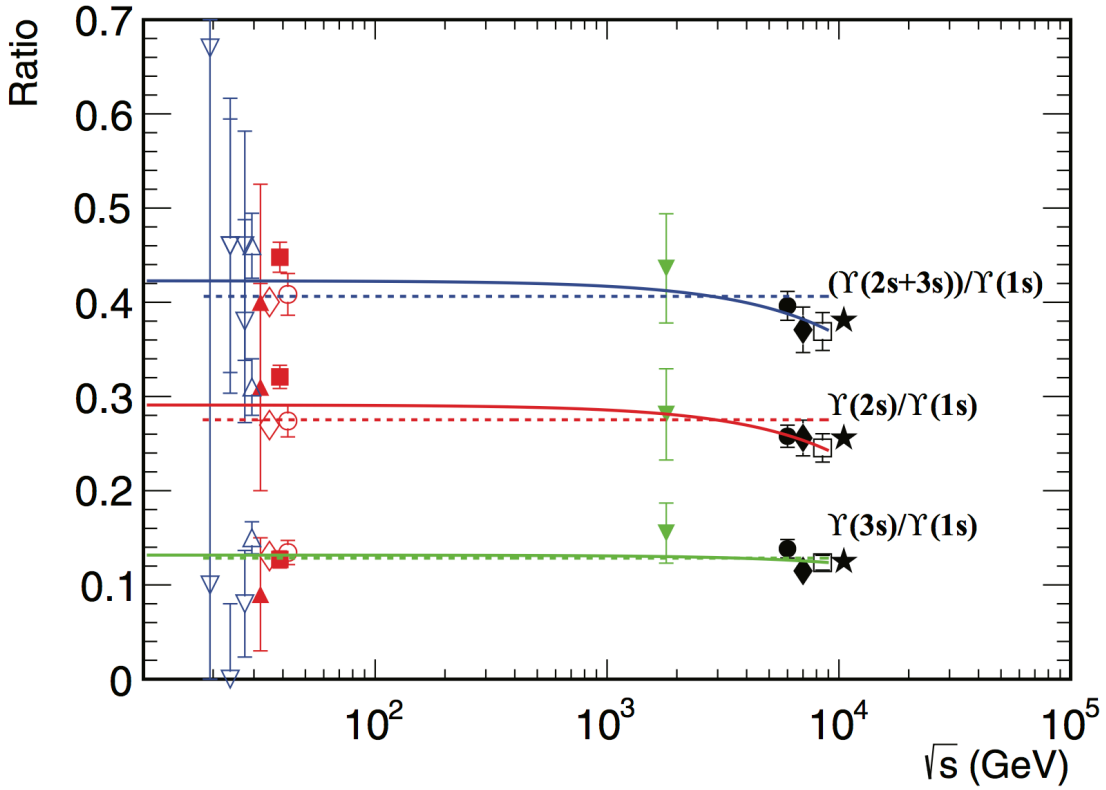




- STAR is running pretty well.

Backup





- If pp@500 GeV run stops on 5/22, dimuon trigger can sample 180 pb^{-1} luminosity:
  - Fill the 500 GeV Ys measurement gap of world-wide data.
  - Statistical uncertainty of Y(2S+3S)/Y(1S) is expected to be 15%
  - Taking into the acceptance effect, the statistics of run17 is a factor of 20 larger than run13. This will improve J/ψ measurement precision significantly