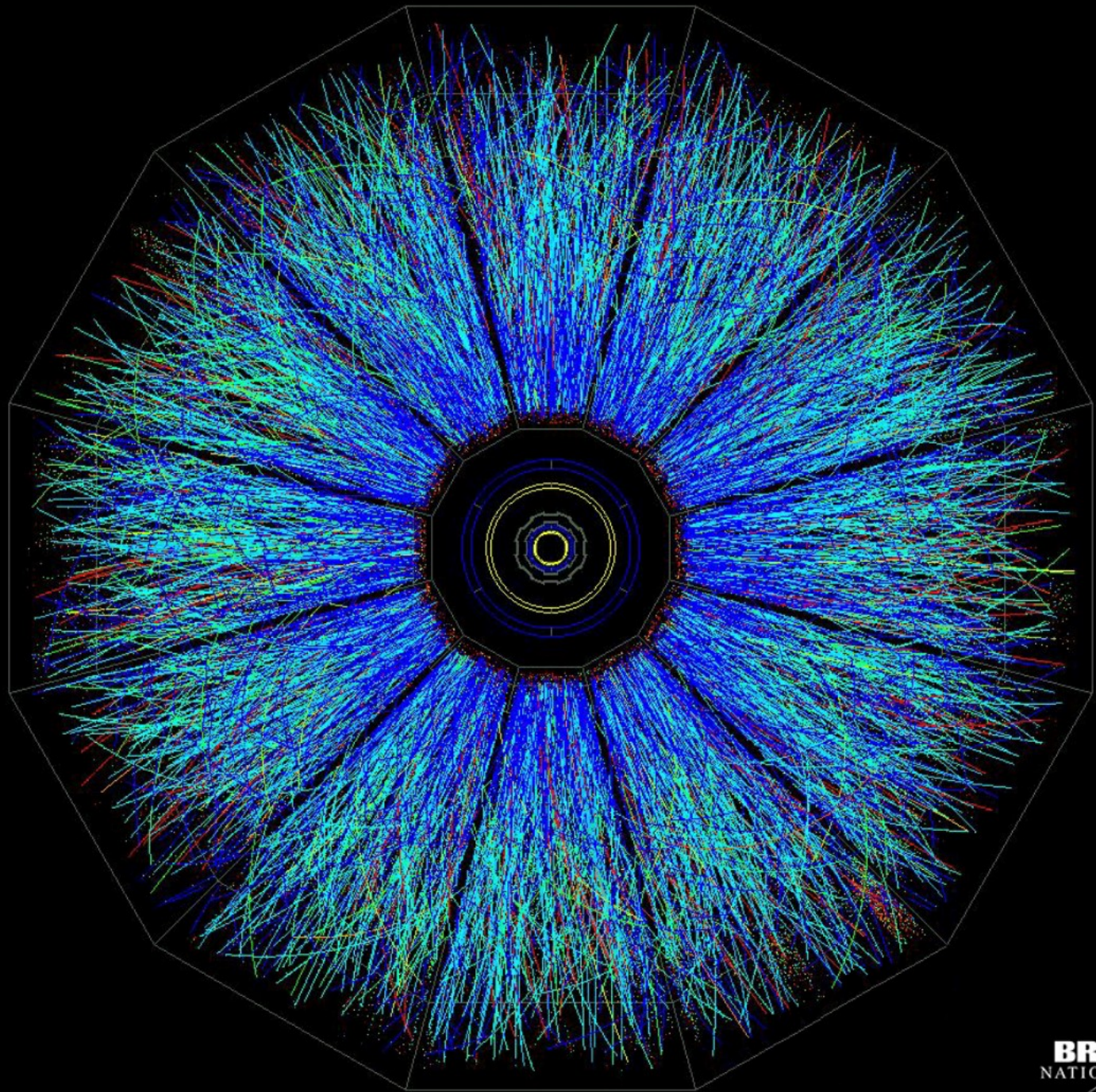


# STAR Status Update

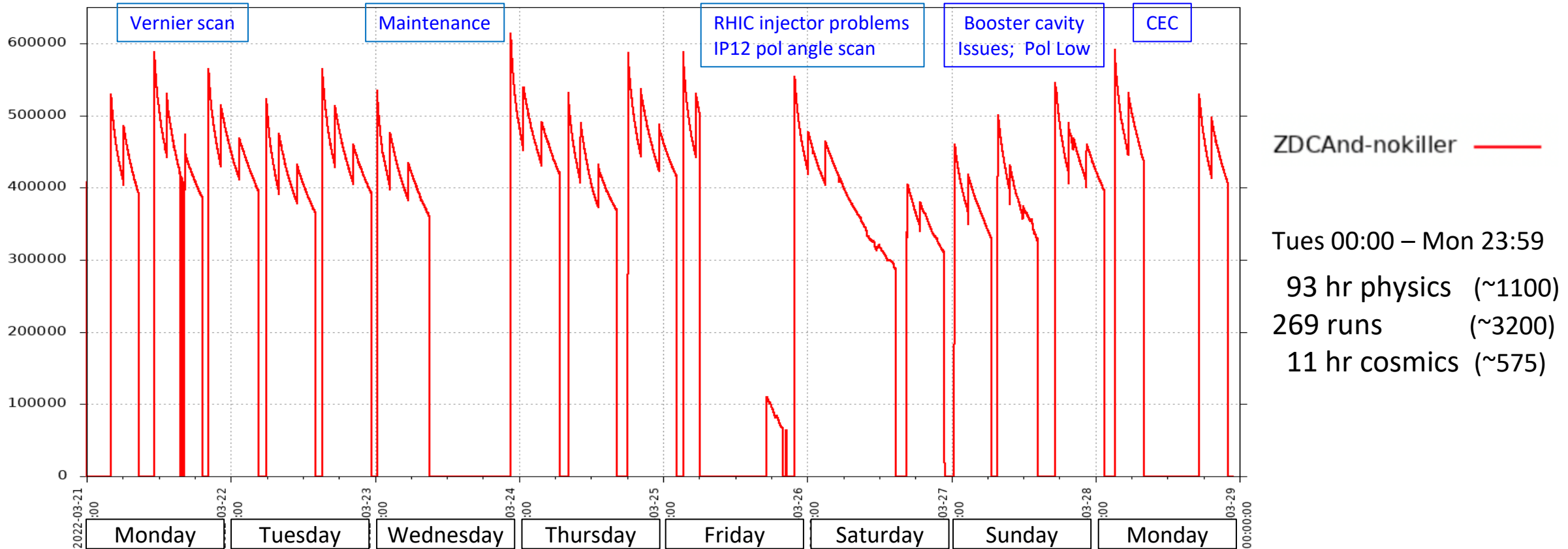
Jim Thomas

March 29, 2022

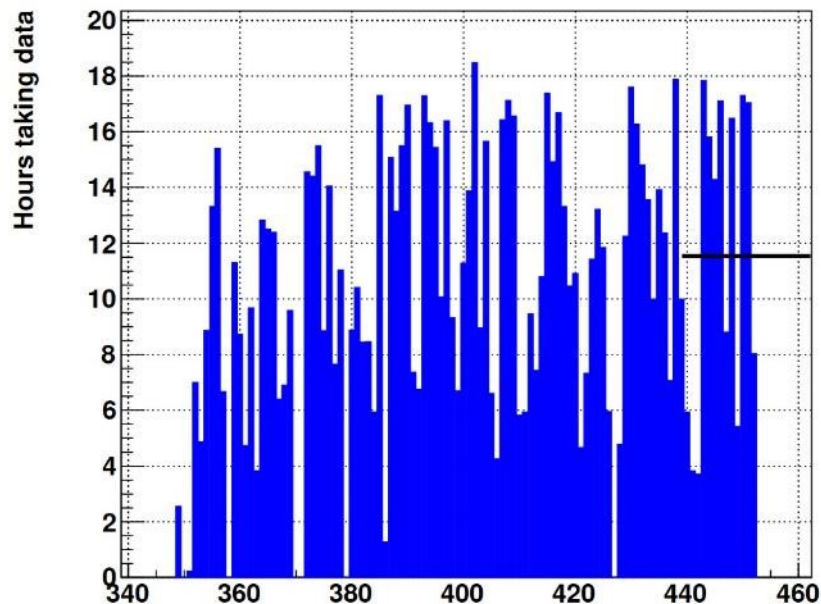


## Overview for the week

- Vernier scan on Monday 21<sup>st</sup>, CeC Monday 28<sup>th</sup>
- Polarization slipped a bit in both rings Thursday-Sunday
- Dedicated STAR running over the weekend but Booster problems had an impact on performance

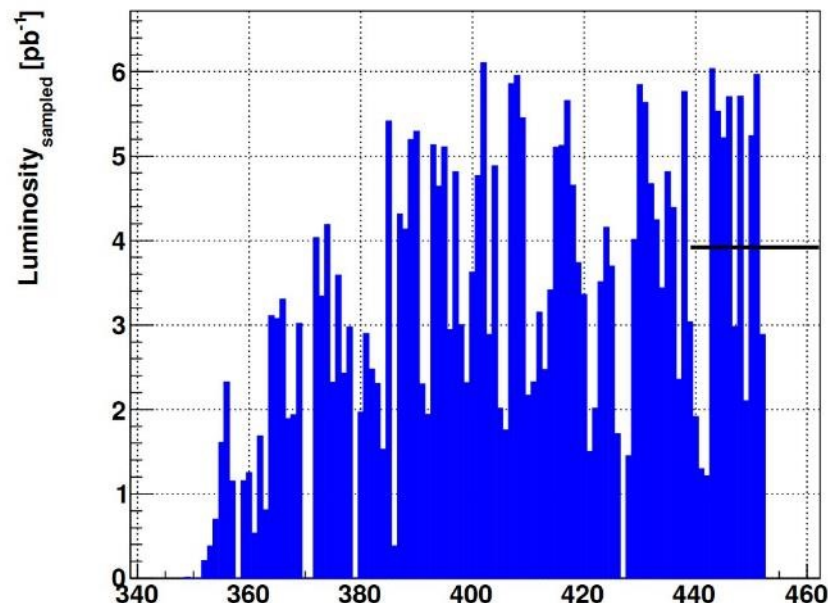
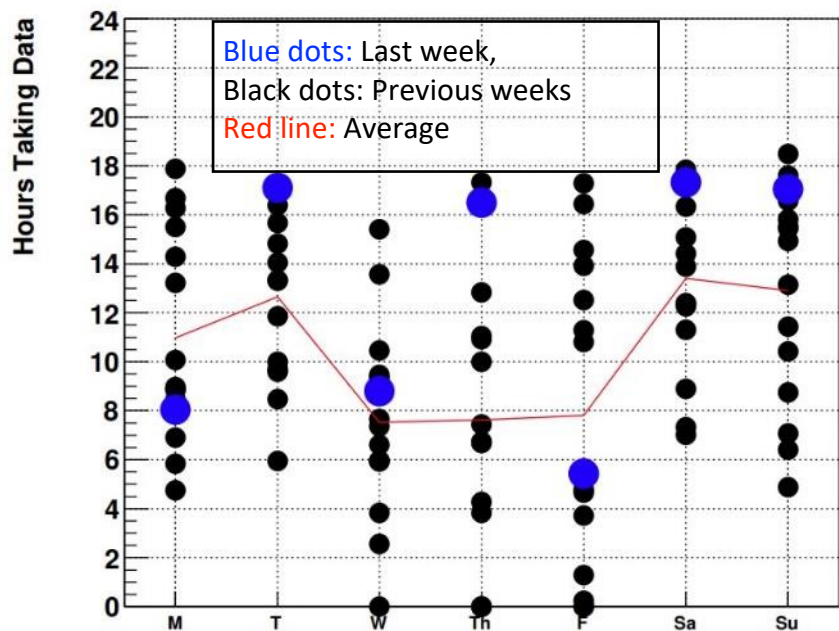


- Last Week (Previous Week):
  - Avg. hrs/day = 11.5 (10.8)
  - Avg. Samp.Lumi/day = 3.9 pb<sup>-1</sup> (3.4 pb<sup>-1</sup>)
  - Up from last week but Polarization still low

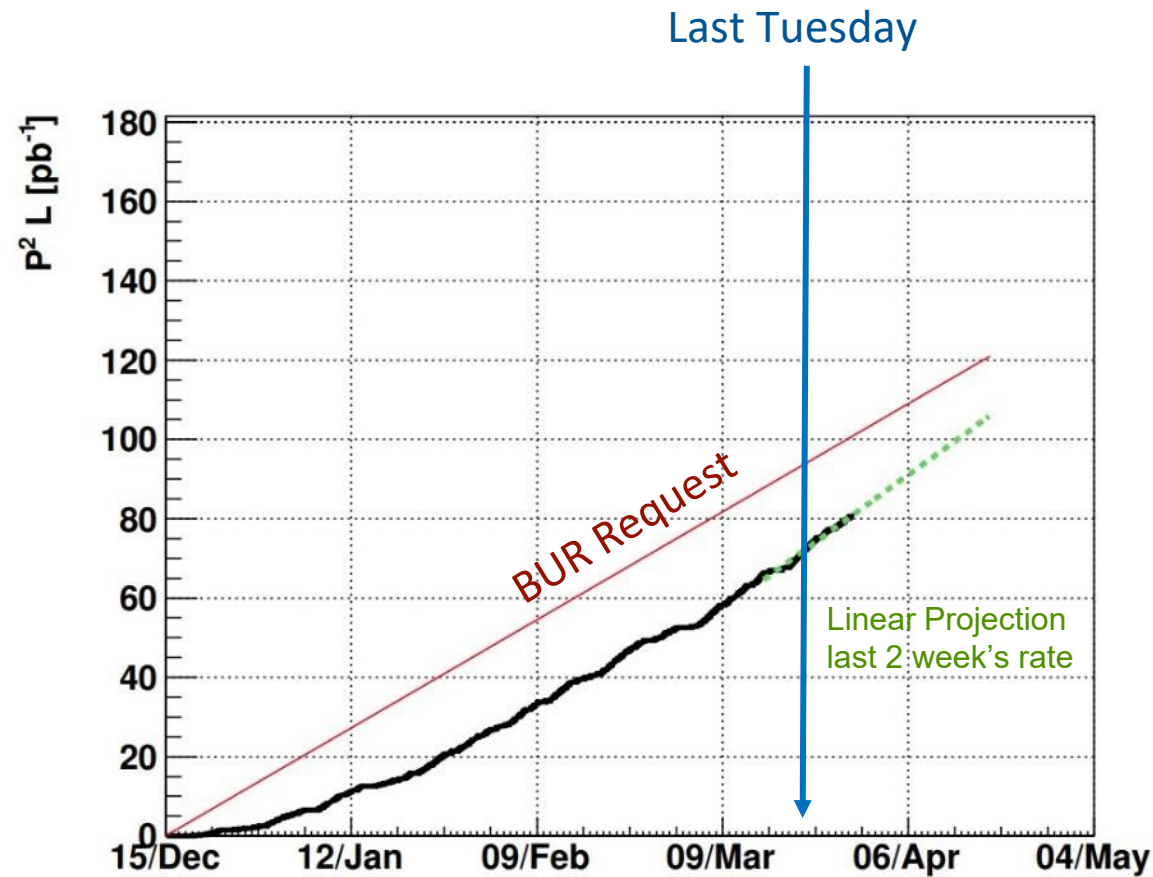
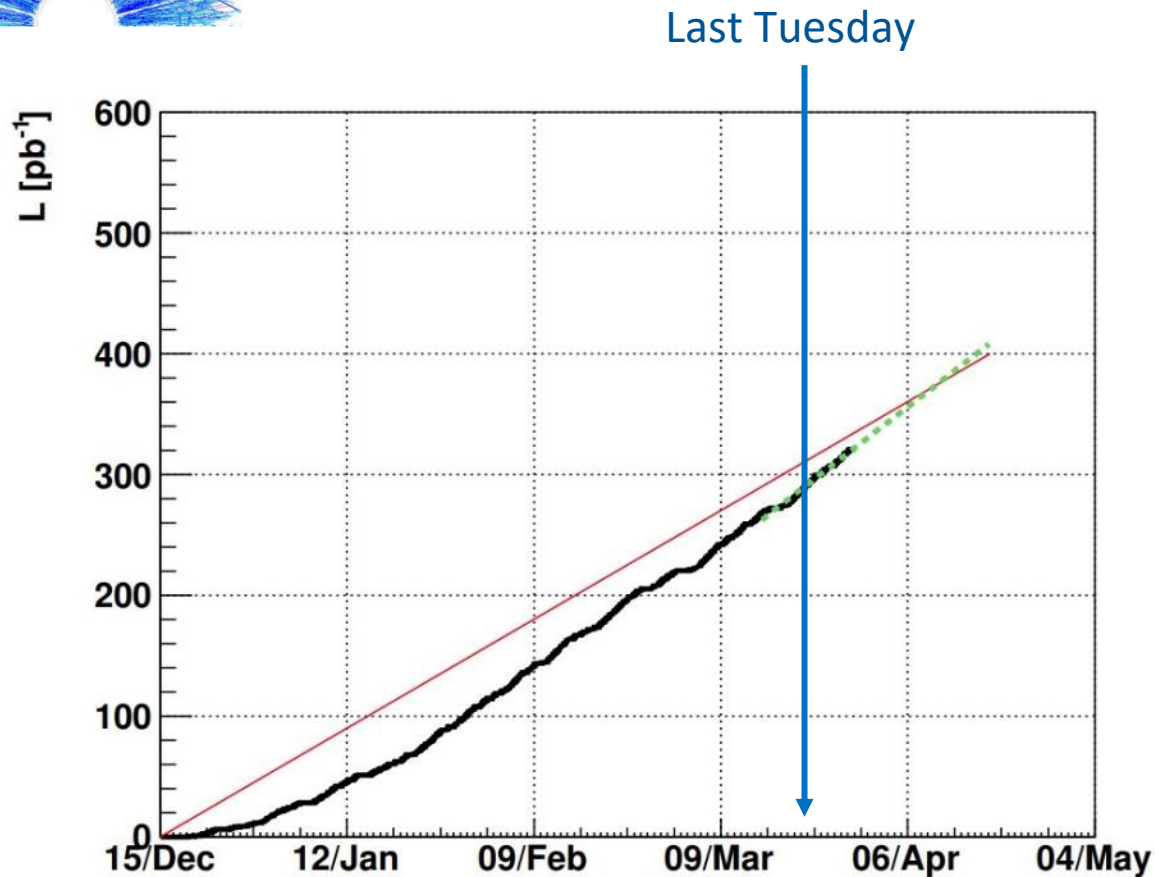


STAR DAQ  
hours per day

Hours per day distribution



Sampled  
Luminosity  
per day



- BUR request  $P^2L = 120$  pb<sup>-1</sup> (Statistics, shown below, as of Tuesday 00:00)
- Currently at  $P^2L = 80$  pb<sup>-1</sup>, 66% of BUR goal. 7 pb<sup>-1</sup> since last week in  $P^2L$ .
- Projection to reach  $P^2L = 105$  pb<sup>-1</sup> by end of run