

Request for low luminosity runs

Two low-luminosity fills with 2×10^{10} protons/bunch without/with STAR magnet

- ❑ Alignment for the new Forward Detectors (FST, sTGC and FCS)
 - STAR Magnet off
 - 56 bunches with 2×10^{10} protons/bunch
 - Statistics: One 8-hour fill \sim 50M min-bias events
 - Trigger min-bias and Forward high tower, need to read out TPC to get vertex
- ❑ Forward Minimum-bias cross-sections measurement
 - STAR Magnet on
 - 28 bunches with 2×10^{10} protons/bunch
 - ZDC \sim 1K Hz
 - Statistics: One 8-hour fill \sim 50M min-bias events
 - limit non-singly diffractive collision rate per bunch to $< 4\%$
 - This data taking can be also used for the TPC request of 10 M @ low luminosity and alignment of FST and sTGC with magnet on