

BRAHMS p+p preparation

- **Physics Goals for pp run: Required Luminosity: 5pb⁻¹ Delivered Single Spin Transverse Asymmetry Measurements: 4pb⁻¹ with > 45% polarization**
 - FS 2.3 deg and 4 deg for intermediate to “high” x_F (0.1-0.45) π^+, π^-
 - Asymmetry measurements for Kaons in limited x_F range**Reference spectra: 1pb⁻¹**
RHIC projection / Request for 10 physics weeks
Projection: (7-22pb⁻¹) * 1/3 [β^*]
2.3-7.3pb⁻¹ / 5pb⁻¹
- **Detectors are ready for pp**
 - Min-bias trigger: CC1 + CC2 (new) counters
~70% of inelastic cross-section coverage and vertex resolution $\sigma \sim < 1.5\text{cm}$
 - Installing T0 counters in MRS for time-of-flight measurement
 - Spectrometer triggers: MRS, FFS, FS
 - Will use “store overnight” for set-up
(useful to extend some stores until ~10am for experts availability)
 - Full shift will start with physic run



