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Run 12 Progress of the Forward GEM Tracker at STAR EMILY ZARNDT, Indiana University, STAR COLLABORATION — The STAR experiment at RHIC provides high precision tracking via a TPC, but its efficiency and p_T resolution are limited at forward rapidity, $\eta > 1.3$. Tracking in the forward direction is of particular importance for detecting the $e^{\pm}$ decay products of W-bosons produced in polarized p-p collisions, relevant to constraining anti-quark polarization within the proton. In order to extend coverage of STAR's precision tracking, a Forward GEM Tracker (FGT) in the form of four independent triple-GEM detectors, arranged as quarter sections on honey-comb disks, was partially installed prior to Run 12 and commissioned during Run 12. During the FGT engineering run in 2012, several operating parameters, including gas mixture, high voltage, and electronics timing, were varied in order to study their effect on detector performance. The progress of the commissioning, and analysis of the FGT's efficiency, noise, and cluster size, will be presented.

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