

Abstract Submitted  
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**The Assembly of the Forward Vertex Silicon Detector at Brookhaven National Laboratory** ELAINE TENNANT, New Mexico State University, PHENIX COLLABORATION — The Forward Vertex Silicon Vertex Detector (FVTX) is an upgrade to the PHENIX detector that was installed in December 2011 for its commissioning run and first data-taking in 2012. It is the muon arm counterpart of the VTX upgrade that was installed the previous year. This strip silicon detector is based on many highly integrated p-n junctions that provide precise position measurements. These measurements will help separate prompt particles from the initial collision from decay particles. The FVTX contains four cages (NW, SW, NE and SE,) each cage holds 4 disks of 48 silicon wedges. This detector will work in tandem with the muon arms of PHENIX, covering the pseudo-rapidity range of eta between 1.2 and 2.4. Construction and testing of the detector components, a multi-institution, international coordination, will be discussed. Current status of this detector's initial run will be provided.

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