

Abstract Submitted  
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**Construction of the STAR Event Plane Detector** JOSEPH ADAMS,  
Ohio State University — The Event Plane Detector (EPD) is an upgrade to the STAR experiment at RHIC, providing high granularity and acceptance in the forward ( $2.2 < \eta < 5.1$ ) region. This will improve the resolution of the event plane determination and allow selection on the collision centrality at rapidities well-separated from the midrapidity region measured by the STAR Time Projection Chamber (TPC). The EPD consists of two scintillator discs, one at positive and one at negative rapidity, 3.75 m from the center of the TPC. Each disc is segmented into 372 optically isolated tiles, read out by wavelength shifting fibers coupled to silicon photomultipliers. One quarter of a single disc was installed in STAR for the 2017 run for commissioning. In this talk I will discuss the construction of the EPD, the installation of the quarter wheel, and plans for full installation in 2018.

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