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## **Installation and Commissioning of the ATLAS Forward Proton (AFP) detector**

*Saturday 6 August 2016 18:00 (2 hours)*

Installation and Commissioning of the ATLAS Forward Proton (AFP) detector

The ATLAS collaboration is realizing the first phase of the ATLAS Forward Proton (AFP) detector to measure diffractive protons leaving under very small angles the ATLAS proton-proton interaction point. In its first phase the AFP detector consists of two 3D Silicon pixel detectors, each placed in a Roman Pot. Both Pots are placed on one ATLAS side, 204 and 217 meters away from the ATLAS interaction point.

The presentation will give a summary of the detector system construction, a brief overview of its installation in the LHC tunnel and first plots based on data taken during detector commissioning including their comparison with expectations based on existing simulations and/or extrapolated measurements.

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**Session Classification:** Poster Session

**Track Classification:** Detector: R&D and Performance