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AFP: first experience with data and future plans

Tuesday, 4 April 2017 12:00 (20 minutes)

The aim of the ATLAS Forward Proton (AFP) detector system is the measurement of protons scattered diffractively or electromagnetically at very small angles. The first arm of the system was installed last year and AFP took data in several commissioning and physics runs. The installation of the second arm is ongoing and will be completed in time for the 2017 data taking period. This will allow measurements of processes with two forward protons: central diffraction, exclusive production, and two-photon processes. During the presentation, the early results and experience from the first year of data taking will be presented together with the status of the second-arm installation and plans for the future.

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