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AFP - Forward Protons Detectors for ATLAS

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The “ATLAS Forward Proton (AFP) detectors” is a project of upgrading the ATLAS experiment with additional detectors allowing measurements of the forward protons scattered diffractively or electromagnetically. A general overview of the AFP detector system and its capabilities will be given. The AFP physics programme will be discussed, including soft diffraction, hard inclusive diffraction, exclusive diffraction and exotics studies in two-photon exchange processes. Finally, the current status of the project will be presented.

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