

# Prospects of diffractive physics with the ATLAS forward detectors

*Thursday 29 June 2017 17:05 (20 minutes)*

The ATLAS Forward Proton (AFP) detector provides measurements of the momentum and emission angle of very forward protons. This enables the observation and measurement of a range of processes where one or both protons remain intact. Such processes are associated with elastic and diffractive scattering. In this talk, we give an overview of the technical details of the AFP, its current status as well as its associated physics program.

**Authors:** KEPKA, Oldrich (Acad. of Sciences of the Czech Rep. (CZ)); ATLAS COLLABORATION

**Presenter:** LOPEZ PAZ, Ivan (Universitat Autònoma de Barcelona (ES))

**Session Classification:** Hard Diffraction and Central Exclusive Production Session

**Track Classification:** Hard diffraction and central exclusive production