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The ATLAS Forward Proton Time-of-Flight detector: use and projected performance for LHC Run 3

We describe the performance of the ATLAS Forward Proton Time-of-Flight detector (ToF) in Run 2 and the upgrades made to the ToF for operation in Run 3. We describe test beam results and picosecond laser test results and the expected operational parameters and performance of the new ToF in Run 3.

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