

Studies of ATLAS Forward Proton (AFP) ToF performance with Run-3 data

Tuesday 12 March 2024 15:40 (30 minutes)

The analysis of the early LHC Run-3 data was performed. Efficiencies and resolutions for the ATLAS Forward Proton (AFP) Time-of-Flight (ToF) detector were studied with different methods. In addition, these performance studies of the ToF data included the proton-proton vertex reconstruction using matching of ToF and central ATLAS vertex position. After a calibration, a preliminary resolution of the vertex reconstruction was determined with a low-mu ATLAS run.

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Session Classification: Short talks