

ATLAS jet trigger system - overview and performance at the beginning of Run 3

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As a hadron collider, the LHC produces a large number of hadronic jets. Properties of these jets are good tests of QCD; however, hadronic decays of Standard Model particles, as well as signs of new physics, can be hidden in events containing jets too. The ATLAS jet trigger system is an important element of the event selection process, providing data to study a wide range of physics processes at the LHC. To this end, proper jet reconstruction and calibration are crucial to ensure good trigger performance across the ATLAS physics program, and understanding this performance is necessary for the correct interpretation of recorded data. In this contribution, we are going to provide an overview of the ATLAS jet trigger system and its general performance at the beginning of Run-3 at the LHC.

Alternate track

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