

# Jet reconstruction and calibration in ATLAS

*Friday, July 31, 2020 9:50 AM (15 minutes)*

Hadronic signatures are critical to the ATLAS physics program and many Standard Model measurements and searches for new physics are dominated by the uncertainties on the jet energy scale and resolution or the jet mass scale and resolution. The procedure of calibrating jets in ATLAS using both simulation and in situ techniques will be presented for both anti-kt  $R = 0.4$  and  $R = 1.0$  jets. The signatures used in the calibration procedure include generic quark and gluon jets, as well as jets originating from the decays of massive particles (such as electroweak bosons or top quarks).

## I read the instructions

## Secondary track (number)

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**Session Classification:** Operation, Performance and Upgrade of Present Detectors

**Track Classification:** 12. Operation, Performance and Upgrade of Present Detectors