

New techniques for reconstructing and calibrating hadronic objects with ATLAS

Friday 19 July 2024 14:45 (15 minutes)

Experimental uncertainties related to hadronic object reconstruction can limit the precision of physics analyses at the LHC, and so improvements in performance have the potential to broadly increase the impact of results. Recent refinements to reconstruction and calibration procedures for ATLAS jets and MET result in reduced uncertainties, improved pileup stability and other performance gains. In this contribution, highlights of these developments will be presented.

Alternate track

I read the instructions above

Yes

Authors: DELIOT, Frederic (Université Paris-Saclay (FR)); MENKE, Sven (Max Planck Society (DE))

Presenter: MENKE, Sven (Max Planck Society (DE))

Session Classification: Operation, Performance and Upgrade (incl. HL-LHC) of Present Detectors

Track Classification: 12. Operation, Performance and Upgrade (incl. HL-LHC) of Present Detectors