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Muon reconstruction performance in ATLAS at Run-II

The ATLAS muon reconstruction has been improved for the Run-II of the LHC.
In this presentation, we will discuss the new reconstruction algorithm and its performance
as measured during the early run of the LHC in 2015 at sqrt(s)= 13 TeV
using samples of $J/\psi \to \mu\mu$ and $Z \to \mu\mu$ decays.
Reconstruction efficiency, transverse momentum resolution and momentum scales are
measured in the various regions of the detector and for muon momenta between 5 and hundreds of GeV.

additional information

Submitted on behalf of the ATLAS Muon Combined Performance Group by the ATLAS Speakers Committee representative Alex Read (a.l.read@fys.uio.no). Alex is not the speaker! A speaker will be selected by the Speakers Committee when the abstract is accepted.

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Track Classification: Detector R&D and Data Handling