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Muon reconstruction and identification performance in ATLAS at Run-II

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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/ψ⟶μμ and Z⟶μμ decays. Reconstruction and identification 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.

Oral or Poster Presentation

Oral

Author: ZHANG, Dongliang (University of Michigan (US))

Presenter: ZHANG, Dongliang (University of Michigan (US))

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