

Abstract Submitted
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Muon reconstruction performance of the ATLAS detector in Run 2 HANNAH HERDE, Brandeis Univ, ATLAS COLLABORATION — We will discuss the performance of the improved ATLAS muon reconstruction as measured during the 2015 run of the LHC at $\sqrt{s} = 13$ TeV. Dimuon resonances ($J/\psi \rightarrow \mu\mu$ and $Z \rightarrow \mu\mu$) are used to measure reconstruction and isolation efficiencies as well as transverse momentum resolution and momentum scales. Measurements are made in the various detector regions and for muon momenta between 5 and hundreds of GeV. They are all found to be in good agreement with tuned Monte Carlo simulation.

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