

CMS RPC trigger performance using data-driven technique in single muon events

CMS is one of the two general purpose experiments at LHC which collected and analysed p-p collisions at $\sqrt{s} = 7$ and 8 TeV. The muon system of CMS consists of three gaseous detectors with complementary features: the Drift Tubes chambers (DT) in the barrel and the Cathode Strips Chambers in the forward region provide good spatial resolution while the Resistive Plate Chambers (RPC), in both barrel and forward region, has an excellent time resolution. The measurement of the RPC system trigger efficiency using single muon data and the redundancy of the muon system of CMS using the features of global muon trigger with 7 TeV data will be presented.

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