

## Measurement of the cosmic muon charge asymmetry

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In late 2008, CMS collected 300 million events from atmospheric cosmic ray muons in a dedicated long run, with the full detector operational, assembled in the P5 experimental area at LHC. Using these data, CMS has measured the charge asymmetry of cosmic muons, as a function of the muon momentum, from 10 GeV/c up to the TeV/c scale. While the analysis of cosmic muons is not part of the physics program of CMS, it provides high quality measurements that assess the expected performance of the CMS detector, from the data taking to the reconstruction and analysis software. This is the first physics result of the CMS experiment.

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