

ABSTRACT

RESISTIVE PLATE CHAMBER ONLINE DATA QUALITY MONITORING FOR THE COMPACT MUON SOLENOID AT THE EUROPEAN CENTER FOR NUCLEAR RESEARCH

A comprehensive, online, data quality monitoring software package has been developed for the muon system at the European Center for Nuclear Research's (CERN's) Compact Muon Solenoid (CMS) experiment. The package was written in Java, C++, and HTML. It provides real-time, RPC performance feedback in an easy to use graphic user interface (GUI).

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