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Online Monitoring System for the CMS GEM Detectors

Thursday 18 July 2024 20:40 (20 minutes)

Upgrades to the CMS Muon system for the High-Luminosity LHC (HL-LHC) include the new GEM detectors GE1/1, GE2/1 and ME0. The development of the GEM-Online Monitoring System (OMS) is crucial for their successful operation. The GEM-OMS provides real-time monitoring of key parameters, enabling the detection of anomalies by filtering data directly through different controllers. With a focus on enhancing efficiency and stability, the GEM-OMS offers a data visualization framework that facilitates easy interpretation of database data through tables, graphs, and charts. This ensures the effective functioning of the upgraded muon system, contributing to the success of the HL-LHC physics program. This presentation offers insights into the current status of the GEM-OMS, highlighting its most recent developments and advancements.

Alternate track

I read the instructions above

Yes

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