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Overview of Trigger/DAQ in CMS

Wednesday 28 August 2024 11:40 (20 minutes)

CMS selects interesting events using a two-tiered trigger system. The first level (L1), composed of custom hardware processors, uses information from the calorimeters and muon detectors to select events at a rate of around 110 kHz within a fixed latency of about 4 microsecond. The second level, the high-level trigger (HLT), consists of a farm of processors running a version of the full event reconstruction software optimized for fast processing and reduces the event rate to around 5 kHz before data storage. This talk will focus on the current status and performance of CMS trigger and the overall data acquisition system (DAQ).

Internet talk

Yes

Is this an abstract from experimental collaboration?

Yes

Name of experiment and experimental site

CMS

Is the speaker for that presentation defined?

Yes

Details

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