



Contribution ID: 133

Type: Talk

CMS Trigger

Thursday, July 13, 2023 4:40 PM (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 μ s. 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 improvement on the HLT and L1 trigger achieved after Run-2, with a first look at the performance obtained in data collected in 2022 and 2023.

Is this abstract from experiment?

Yes

Name of experiment and experimental site

CMS

Is the speaker for that presentation defined?

Yes

Details

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Internet talk

No

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Session Classification: High Energy Particle Physics

Track Classification: Main topics: High Energy Particle Physics