

ICHEP2012



Contribution ID: 787

Type: **Parallel Sessions**

## Evolution of the CMS Trigger System

*Friday, July 6, 2012 3:10 PM (15 minutes)*

A key challenge at high luminosity hadron colliders is the selection of sufficiently pure event samples against large QCD backgrounds, whilst keeping data rates within practical bounds. The CMS trigger system performs the first step in event selection, and its performance dictates the physics reach of the experiment in many areas. As LHC luminosity continues to increase over the next decade, both the trigger strategy and systems must evolve. We describe the upgrade plans for the CMS trigger, including the possible use of tracking information at level-1, and explore the impact for the high-luminosity physics programme.

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**Session Classification:** Room 218 - Detectors and Computing for HEP - TR13

**Track Classification:** Track 13. Detectors and Computing for HEP