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## **The CMS High Level Trigger Performance in Run 2**

*Saturday, August 6, 2016 6:00 PM (2 hours)*

The CMS experiment has been designed with a 2-level trigger system: the Level 1 Trigger, implemented on custom-designed electronics, and the High Level Trigger, a streamlined version of the CMS offline reconstruction software running on a computer farm. In this presentation we will give an overview of the specific algorithms developed to cope with the increasing LHC pile-up and bunch crossing rate, keeping the physics output as efficient as possible. We will also present the performance of the trigger system measured using 13 TeV data.

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