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CMS Computing Operations During Run1

Thursday 17 October 2013 11:00 (22 minutes)

During the first run, CMS collected and processed more than 10B data events and simulated more than 15B events. Up to 100k processor cores were used simultaneously and 100PB of storage was managed. Each month petabytes of data were moved and hundreds of users accessed data samples. In this presentation we will discuss the operational experience from the first run. We will present the workflows and data flows that were executed, we will discuss the tools and services developed, and the operations and shift models used to sustain the system. Many techniques were followed from the original computing planning, but some were reactions to difficulties and opportunities. In this presentation we will also address the lessons learned from an operational perspective, and how this is shaping our thoughts for 2015.

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