

The CMS Computing Facilities Operations

Monday 23 March 2009 08:00 (20 minutes)

The CMS Facilities and Infrastructure Operations group is responsible for providing and maintaining a working distributed computing fabric with a consistent working environment for Data operations and the physics user community. Its mandate is to maintain the core CMS computing services; ensure the coherent deployment of Grid or site specific components (such as workload management, file transfer and storage systems); monitor the CMS specific site availability and efficiency; systematically trouble-shoot and track facilities related issues.

In recent years, the CMS tiered computing infrastructure has grown significantly and was tested via so called “data challenges” and used for processing real cosmic data, routinely running 100k jobs per day distributed over more than 50 sites. In this presentation we will focus on operational aspects in the facilities area in view of the LHC startup. In particular, we will report on the experience gained and the progress made in the computing shift procedures, which are running in dedicated CMS centres inside and outside CERN. The collaborative effort of all CMS centres and good communication with CMS sites has proven to be an essential ingredient for efficient, sustained distributed data processing.

Presentation type (oral | poster)

oral

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Session Classification: Poster session

Track Classification: Distributed Processing and Analysis