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Computing Operations at CMS Facilities

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The CMS experiment is gaining experience towards the data taking in several computing preparation activities, and a
roadmap towards a mature computing operations model stands as a primary target. The responsibility of the
Computing Operations projects in the complex CMS computing environment spawns a wide area and aims at
integrating the management of the CMS Facilities Infrastructure, so to provide and maintain a working distributed
computing fabric with a consistent environment for the Data Operations and the users. Coordination of Operations
at facilities (Tier-0, CMS CERN Analysis Facility, WLCG Tiers), resource needs planning and tracking, coordination of
operations and liaison to external projects and organisations (WLCG and OSG) are involved in this process, and are
described in this paper. A review of the practical experience by CMS in the coordinated operations effort across many
regional centers is presented, and the lessons learned in the summer 2007 CMS data challenge (CSA07) are
discussed.

Submitted on behalf of Collaboration (ex, BaBar, ATLAS)

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