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## Calibration workflow and dataflow in CMS

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The Calibration software framework is a crucial ingredient for all LHC experiments. In this report we shall focus on the technical challenges of this effort in the CMS experiment. It spans between careful design of the DataBase infrastructure for a quick and safe storing and retrieving of calibration constants and algorithm optimization to cope with the time and workflow constraints of High Level Triggers and prompt reconstruction of express physics streams. An overview of such aspects will be given, focusing on performance, integration and monitoring issues. Results from work and data-flow tests performed during the commissioning will be presented as well as the strategy for real data taking. As working examples, a particular emphasis on the calibration framework for the electro-magnetic calorimeter will be given.

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

CMS

**Author:** MALGERI, Luca (CERN)

**Presenter:** MALGERI, Luca (CERN)

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