

Alignment and Calibration of the CMS Detector

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Fast and efficient methods for the calibration and the alignment of the detector are a key asset to exploit the physics potential of the CMS detector.

The CMS experiment has set up a powerful framework for alignment and calibration, which is based on dedicated skims providing a highly compact dedicated input for the various workflows computing the constants. This includes a prompt calibration concept, which allows for a fast turnaround of the calibration process which is instrumental to ensure timely preparation of results for conferences and publications.

The presentation reviews the design of the system, reports on the experience gained during its operation including results from selected workflows.

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Classification de Session: Detector R & D and Data Handling

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