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## CMS Alignment and Calibration workflows: lesson learned and future plans

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We review the online and offline workflows designed to align and calibrate the CMS detector. Starting from the gained experience during the first LHC run, we discuss the expected developments for Run II. In particular, we describe the envisioned different stages, from the alignment using cosmic rays data to the detector alignment and calibration using the first proton-proton collisions data ( $O(100 \text{ pb}^{-1})$ ) and a larger dataset ( $O(1 \text{ fb}^{-1})$ ) to reach the target precision. The automatization of the workflow and the integration in the online and offline activity (dedicated triggers and datasets, data skims, workflows to compute the calibration and alignment constants) are discussed.

### Summary

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