

CMS Reconstruction Software

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The Reconstruction Software for the CMS detector is designed to serve multiple use cases, from the online triggering of the High Level Trigger to the offline analysis. The software is based on the CMS Framework, and comprises reconstruction modules which can be scheduled independently. These produce and store event data ranging from low-level objects to objects useful for analysis on reduced Data Sets, such as particle identification information or complex decay chains. The performance is presented, together with a roadmap leading up to real LHC physics.

Primary author: Dr BOCCALI, Tommaso (Scuola Normale Superiore and INFN Pisa)

Presenter: Dr BOCCALI, Tommaso (Scuola Normale Superiore and INFN Pisa)

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