

Experience of the Development of the Geometry Database for the CBM Experiment

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This paper is dedicated to the current state of the Geometry Database (Geometry DB) for the CBM experiment. The geometry DB is an information system that supports the CBM geometry. The main aims of Geometry DB are to provide storage of the CBM geometry, convenient tools for managing the geometry modules assembling various versions of the CBM setup as a combination of geometry modules and additional files providing support of various versions of the CBM setup. The development is based on the analyzed users' requirements (which were formulated in User Requirements Document) and takes into account peculiarities of the workflow for simulation of particles transport through the setup. Both the Graphical User Interface (GUI) and the Application Programming Interface (API) are available for the members of the CBM collaboration.

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