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CMS RPC Detector and RPC HV Conditioning Study

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Introduction to the CMS RPC detector, its principle of operation, hardware and equipment. Detector equipment maintenance during the LHC machine development period. A software analysis on the HV conditioning data of 781 HV channels was performed and their VA characteristics plotted, fitting the ohmic part of the curves and evaluate the Resistance of each channel. Resistance evolution per HV channel in time was performed.

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