

Preparation of CMS Hadron Endcap calorimeter front-end upgrade

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The hadron endcap (HE) calorimeter is one of the major sections of CMS hadron calorimeter, which is used for measurement of the hadrons energy. Upgrade of the front-end electronics components in the existing HE calorimeter is planned for a number of reasons. New charge integrator encoder (QIE11) shunt tests and DC/DC converter calibration were carried out in preparation for HE calorimeter upgrade phase 1. Analysis and measurement results for the new generation front-end electronics components are presented.

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