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Performance of CMS ECAL Preshower in 2007 test beam

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Summary

The Preshower Detectors form part of the CMS Electromagnetic Calorimeter and are located in the endcap regions, just in front of the lead tungstate crystals. They consist of two orthogonal planes of silicon strip sensors interleaved with two planes of lead absorbers. A combined beam test of close-to-final prototypes of the Hadron calorimeter, the crystal calorimeter and the Preshower detector was performed in the summer of 2007. Calibrations were made using muon, electron, and pion data and the combined crystal and Preshower energy resolution was studied using electrons. Good signal/noise performance was obtained in both sets of measurements.

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