

Performance of the CMS Zero Degree Calorimeter for PbPb and pp running

The two CMS Zero Degree Calorimeters have been designed to measure and trigger on photons and neutrons produced in pp and heavy ion collisions. Their trigger rate is proportional to the luminosity and can be used as a measure of beam quality. Augmented by scintillators they can also give a measure of the luminous region and its growth during the store. By measuring the horizontal distribution of electromagnetic clusters they give a measure of the beam crossing angle at CMS. We will present their performance in test beams and in measuring the neutron spectra produced by PbPb collisions. Finally their utility in measuring centrality will be presented.

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