

Abstract Submitted
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The CMS Luminosity Measurement and Results of its First Calibration using Van de Meer Scans JEREMY WERNER, NADIA ADAM, VALERIE HALYO, ADAM HUNT, JOHN JONES, DANIEL MARLOW, Princeton University, COMPACT MUON SOLENOID COLLABORATION — We present an overview of the hadronic forward calorimeter (HF) based luminosity measurement at CMS, with an emphasis on the results of the recent Van de Meer scans. We describe the HF luminosity readout along with the methods used to extract the relative luminosity measurement at CMS. Finally, we review the procedure to calibrate the luminosity measurement and present the results from the first collisions.

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