

Commissioning the CMS pixel detector with cosmic ray data

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The CMS Pixel detector, consisting of three barrel layers and two endcap disks at each barrel end, was installed in the CMS experiment in summer 2008. After a preliminary commissioning phase with pulse injections the detector participated in data taking with cosmic ray triggers and 3.8T field. We report on the first running experience with CMS and present preliminary results on detector performance. In addition, we discuss the detector performance after irradiation obtained from beam test measurements at CERN.

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