

Abstract Submitted
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Measurement of the Lorentz Angle in CMS Pixel Detectors

RICHARD BROSIUS, ANDREW GODSHALK, ASHISH KUMAR, SUNY at Buffalo, CMS COLLABORATION — A precise measurement of the Lorentz angle in the CMS pixel detectors is necessary to maximize the hit resolution and the parameters of the reconstructed track. Two methods are employed for the Lorentz angle measurement in the pixel detector: the “cluster size” and “grazing angle” methods. With data collected in 2011, the Lorentz angle is measured with an accuracy of 5%.

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