

Abstract Submitted  
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**The Evolution of Pixel Cluster Characteristics at CMS WILL BURG**, University of Kansas, CMS COLLABORATION — A study of the behavior of the CMS Barrel Pixel Detector as a function of luminosity is presented. Variables such as the average cluster size and average cluster charge are examined from beam collision data gathered in 2011 and 2012. These are plotted versus the total integrated luminosity at the date of each corresponding run. From this, conclusions can be drawn about the effect of radiation on the detector with time.

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