

Abstract Submitted
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Silicon Module Testing for the Compact Muon Solenoid Forward Pixel Upgrade¹ ALEXANDER THIELEN, University of Illinois at Chicago, UNIVERSITY OF ILLINOIS AT CHICAGO COLLABORATION — In order to strengthen results of the Large Hadron Collider, higher luminosities will be used in future runs. This will result in larger particle flux and radiation to the Silicon Pixel Detector of the Compact Muon Solenoid. To maintain the precision of particle tracking, the detector must undergo an upgrade. Each of the silicon modules must pass numerous quality assurance tests to ensure the accuracy in the path of tracked particles.

¹The CMS collaboration with University of Illinois at Chicago

Alexander Thielen
University of Illinois at Chicago

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