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Pilot System for the CMS Phase I Pixel Upgrade

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The Pilot Blade System, now installed in the CMS Pixel Detector, is a first test of the new technologies to be used in the CMS Phase I Pixel Detector. The Phase I Pixel will have twice the number of readout channels and a faster, digital data transmission. The Pilot Blade System contains two assemblies each with four Phase I modules mounted on two blades. One assembly was installed in each endcap of the current Pixel Detector during the last shutdown. The Pilot Blade System will allow for the testing of the new readout electronics, powering system, and online software in the actual operational environment. A report on the initial system tests and performance during the first operation of the system will be given.

Oral or Poster Presentation

Oral

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