

Abstract Submitted
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Production and Testing of the CMS Silicon Tracker Outer Barrel

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CMS COLLABORATION — USCMS Silicon tracker group at FNAL is assembling
and testing 50% of the Silicon Tracker Outer Barrel modules. We describe module
production and testing procedures. We discuss in detail the long-term module test
stand that has been operating at Fermilab since Fall 2004. The readout system of
the stand is similar in design to the Data Acquisition chain of the actual detector.
The test setup runs thermal cycles between $+40^{\circ}\text{C}$ and -40°C , providing testing
conditions close to the CMS operating environment. We summarize the results of
the Long Term testing of more than 1700 modules.

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