

# The new radiation-hard optical links for the ATLAS pixel detector

*Friday, 16 August 2013 16:25 (25 minutes)*

The pixel detector of the ATLAS experiment is currently undergoing a major upgrade with the installation of a new layer of tracking and new service panels. As part of this upgrade an improved system of on-detector optical links is currently being installed in ATLAS. This new system incorporates lessons learned from the production and operation of the installed on-detector optical links resulting in improved reliability and flexibility. In this presentation the details of the implementation of this new design as well as results from radiation hardness studies and qualification studies will be discussed.

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**Session Classification:** Accelerators, Detectors, and Computing

**Track Classification:** Accelerators, Detectors, and Computing