Contribution ID: **21** Type: **Poster**

System test for the ATLAS Pixel Detector data acquisition

Thursday 6 September 2007 16:45 (1 minute)

The ATLAS Pixel Detector is an 80 M channels silicon tracking system designed to detect charged tracks and secondary vertices with very high precision. To verify that the integrated assembly will perform as expected subsequent to installation into the experimental area, a fraction (10%) of the detector and the requisite ancillary services has been assembled and operated in a laboratory setting. We refer to this as system testing, and results from these tests will be presented. The talk will illustrate all the aspects of the system test, including the detector control and safety system, the monitoring system and the DAQ system, the data base technologies used to store the configuration and condition data, the techniques for calibrating the detector and the analysis of noise tests and cosmic data.

Author: Dr TRONCON, Clara (Univ. + INFN)

Presenter: TRIPLETT, Nathan

Session Classification: Poster session