

The Macro Assembly of The ATLAS Semi-Conductor Tracker

With the completion of the assembly of silicon detector modules and their supporting structures, the focus of activity has moved to the production and operation of large assemblies of multiple modules. This involves the physical mounting of modules onto their supports, the connection of their services and the subsequent testing. This paper describes the assembly and test procedures for these complex arrays and draws conclusions on the transition from the operation of single modules to large scale structures with in excess of 100 individual modules each. The current status of the final testing of the barrel and endcap sections of the detector at CERN, comprising a total of 4000 modules, is described.

Author: Dr JONES, Tim (University of Liverpool)

Presenter: Dr JONES, Tim (University of Liverpool)