

## **ATLAS CALORIMETER TEST CRYOSTAT TWO YEARS OPERATION FOR CONTROL SYSTEM WITH WORLDFIP FIELDBUS AND JAVA TECHNOLOGY**

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### *Abstract*

This installation has been assuming the ATLAS calorimeter test since the middle of the 1997 years. It is composed of three independent cryostats using the same cryogenic utilities. This installation is controlled by a main PLC with I/O remote modules connected on the WorldFip fieldbus. The main features for this presentation are:

- The operation of PLC, remote I/O module, temperature measurement remote module and supervisor on a single WorldFip fieldbus
- Remote access with Internet navigator using JAVA technology.

In this poster, we present the main characteristics of this control system:

- Cryogenic Installation: general design- Control system architecture
- WorldFip fieldbus design
- Remotes modules near each cryostat
- Software in the main PLC- User interface functionalities
- Remote display through internet with JAVA technology - Remote module : new generation