

# Developing a ROOT interface for gLite

*Wednesday 15 February 2006 09:00 (20 minutes)*

The D-Grid initiative, following similar programs in the USA and the UK, shall help to set up a nationwide German Grid infrastructure. Within work package 3 of the HEP community Grid distributed analysis tools under usage of grid resources shall be developed.

A starting point is the analysis framework ROOT. A set of abstract ROOT classes (TGrid ...) provides the user interface to enable Grid access directly from within ROOT. A concrete implementation exists already for the ALICE Grid Environment AliEn. We are developing an interface to the common HEP Grid middleware gLite. This includes querying the gLite File Catalogue, access to individual files, job submission, getting the job status, and retrieving job output. Extensive tests will be done within the gLite testbed of the DECH VO (EGEE).

First interactive analysis environments have been set up at single sites using the Parallel ROOT Facility, PROOF. This shall be extended towards several sites using existing Grid Middleware with the aim of a dynamic generation of Grid Analysis Clusters.

The current status of the work is presented in the poster.

**Author:** Dr SCHWARZ, Kilian (GSI)

**Co-authors:** Mr MANAFOV, Anar (GSI); Dr MALZACHER, Peter (GSI)

**Presenter:** Dr SCHWARZ, Kilian (GSI)

**Session Classification:** Poster

**Track Classification:** Distributed Data Analysis