

PROOF - Status and New Developments

The Parallel ROOT Facility, PROOF, is an extension of ROOT enabling interactive analysis of large sets of ROOT files in parallel on clusters of computers or many-core machines. PROOF provides an alternative to the traditional batch-oriented exploitation of distributed computing resources. The PROOF dynamic approach allows for better adaptation to the varying and unpredictable work-load during the end-user analysis phase.

PROOF is currently being widely adopted as Tier-3 solution by the LHC experiments. The ALICE collaboration is also using PROOF for prompt calibration, reconstruction and analysis of selected samples for very fast QA response.

In this talk we will present the many new developments and performance enhancements made during the last year and we will discuss the issues we are currently working on.

Author: GANIS, Gerardo (CERN)

Co-author: RADEMAKERS, Fons (CERN)

Presenter: GANIS, Gerardo (CERN)

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