Background to the

US HENP Users ROOT Workshop

This Workshop is organized as part of the

Fermilab CDF D0 CD Joint Run II
Computing Project

whose goal is

to bring common ideas and solutions to meet the Offline Computing Needs of D0 and CDF for Run II.

I am a Task Coordinator.

A Recommendations Working Group consisting of representatives of CDF, D0 and CD recommended in September ‘98:

> **“that ROOT be adopted as the standard physics analysis package for Run II, contingent on a collaborative agreement with the ROOT team. It should be recognized that this recommendation depends critically on timing and on sharing development with outside collaborators,”**

In accepting this recommendation the Run II Steering Committee identified some areas of priority and concern:

> **Commitment to a stable, robust system for the Run II experiments well before data taking.**
>
> **A well defined, maintained, published, implemented and stable interface between CINT and the ROOT kernel.**
>
> **Easy and timely mechanisms for the incorporation of and access to fixes and additions to the ROOT code needed by Fermilab users.**

This workshop is intended to provide the input to allow us to plan how to meet these goals.

ROOT Workshop

Welcome to the ROOT Development Team:

Rene Brun

Fons Rademakers

Masaharu Goto

Welcome to so many ROOT Users.

Please approach any of the local organizing committee about anything

Philippe Canal

Irwin Gaines

Stefan Kluth

Torre Wenaus

Thank you to the Administrative Assistants:

Mari Herrera

Pat Mascione

Some details of organization:

There are terminals and network connections on Wilson Hall 7 North East.

Administrative help is available on Wilson Hall 8 Xover if noone is at the registration desk outside this room.

There are maps to the restaurants at the registration desk.

Due to the larger than expected number of registrations there are not enough tickets available for tonights dinner to accommodate everyone. The reservations are on a “first registered” basis. We apologise if you did not get a ticket.

Lunch is in the cafeteria.

Session Chairs:

Make sure we keep to time.

Start discussion if there is silence.

Rule discussions “off topic”.

Arrange for a scribe and organize the session report.

My goals from a ROOT US Users Workshop...

Understand current status and development plans.

Learn how ROOT is used by US HENP Experiments.

Hear about existing and needed extensions.

Discuss and exchange needs for maintenance and stability.

Understand whether and/or how to continue to have a common code base across US HENP experiments.

Provide input to the development team of our needs and their priorities.

To see how the work to be done might be shareable among more developers.

My hopes for the outcome of the workshop?

A set of written session reports that reflect main discussion points, ideas and consensus.

A prioritized list of work to be done to meet our needs for the long term use of ROOT.

A better understanding of how to help and influence ROOT developments to meet our needs.

Special attention is needed to:

I/O and Persistency.

Status of and Plans for CINT.

Physical Coupling and Interdependencies.

Interfacing and Integation with External Packages.