Contribution ID: **99** Type: **Oral**

Marlin and MarlinReco, a status report on recent software developments

Saturday, 11 March 2006 10:00 (20 minutes)

Marlin is a Modular Analysis and Reconstruction framework for detector simulation studies at the ILC. It is based on C++ and consists of software modules, called processors, which can be accessed and parametrised easily via a simple XML-based steering file. The native transient data format used for Marlin is LCIO.

Marlin itself provides the framework only. All more specialised modules, for reconstruction in particular, are embedded in a package named MarlinReco. It includes a full set of modules, starting from processors for the digitisation of simulated data, full tracking as well as clustering, ending up with modules to create particle flow objects and perform simple analyses.

This talk introduces the basic structure of Marlin and MarlinReco and reports on the status of the software, most recent developments and results.

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Session Classification: Simulation and Reconstruction

Track Classification: Simulation and Reconstruction