Event Visualization Environment of the ALICE experiment

Tuesday, 27 March 2007 11:30 (30 minutes)

The foundation of the framework is based on ROOT and its GUI, 2D & 3D graphics classes. A small application kernel provides for registration and management of visualization objects and CINT scripts are used as an extensible mechanism for data extraction, selection and processing as well as for steering of frequent event-related tasks. Several new components, frequently needed for visualization of event related data, including raw-data visualization, have been developed.

ALICE specific part of EVE is rather minimalistic, mostly due to the fact that ALICE uses ROOT’s data-management facilities for data-storage. It consists mostly of CINT scripts that perform filling and registration of visualization data-structures. A small number of compiled classes is needed for very specific tasks (e.g. for interface to ALICE event-data management system, for TPC raw-data visualization, etc).

A demonstration of the system will be given.

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