

ROOT I/O Review and Future Plans

Tuesday 12 March 2013 09:00 (30 minutes)

The introduction of cling in ROOT opens several opportunities for I/O including full support for multi-thread I/O and additional performance gains. This presentation will review several of the enhancements introduced in the last few ROOT releases. We will cover the enhancements to TTreeCache that made practical the reading of ROOT file over wide area networks, the introduction of a parallel prefetching mechanism and some of the many performance improvements. It will also focus on some of the exciting features enabled by cling, including a parallel merging facility allowing the fast collation of results produced across many threads, processes or even many computing nodes.

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