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CORAL and COOL during the LHC long shutdown

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CORAL and COOL are two software packages that are widely used by the LHC experiments for the management of conditions data and other types of data using relational database technologies. They have been developed and maintained within the LCG Persistency Framework, a common project of the CERN IT department with ATLAS, CMS and LHCb. The project used to include the POOL software package, providing a hybrid store for C++ objects, which is now maintained by ATLAS. This presentation will report on the status of CORAL and COOL at the time of CHEP2013. It will cover the new features in CORAL and COOL (such as Kerberos authentication to Oracle and the prototyping of CORAL server monitoring), as well as the changes and improvements in the software process infrastructure (better integration with various tools, new code repository, new platforms). It will also review the usage of the software in the experiments and the outlook for the project during the LHC long shutdown (LS1) and beyond.

Summary

Primary author: Dr VALASSI, Andrea (CERN)

Co-authors: SALNIKOV, Andrey (SLAC National Accelerator Laboratory (US)); DYKSTRA, Dave (Fermi National Accelerator Lab. (US)); CLEMENCIC, Marco (CERN); WACHE, Martin (Institut fur Physik-Johannes-Gutenberg-Universitaet-Unknown); GOYAL, Neha (Mody Institute of Technology and Science (IN)); TRENTADUE, Raffaello (Universita e INFN (IT))

Presenter: Dr VALASSI, Andrea (CERN)

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