

Session Program

27 September 2004 to 1 October 2004



CHEP04

Core Software

Interlaken, Switzerland

Monday 27 September

14:00

Core Software

Session | Location: Interlaken, Switzerland, Brunig

14:00–14:20 **A Dynamically Reconfigurable Data Stream Processing System**

Speaker

J. Nogiec

14:20–14:40 **The SEAL Component Model**

Speaker

R. Chytrcek

14:40–15:00 **The SEAL C++ Reflection System**

Speaker

S. Roiser

15:00–15:20 **Reflection-Based Python-C++ Bindings**

Speaker

W. LAVRIJSEN

15:20–15:40 **AIDA, JAIDA and AIDAJNI: Data Analysis using interfaces**

Speaker

Victor SERBO

15:40–16:00 **Go4 analysis design**

Speaker

H. Essel

16:00–16:30 **Coffee Break**

16:30–16:50 **OpenScientist. Status of the project.**

Speaker

G B. Barrand

16:50–17:10

The Athena Control Framework in Production, New Developments and Lessons Learned

Speaker

P. Calafiura

17:10–17:30 **The AliRoot framework, status and perspectives**

Speaker

F. Carminati

17:30–17:50 **Composite Framework for CMS Applications**

Speaker

I. Osborne

17:50-18:10

IceTray: a Software Framework for IceCube

Speaker

T. DeYoung

18:10-18:30

The Offline Framework of the Pierre Auger Observatory

Speaker

L. Nellen

18:30

Wednesday 29 September

14:00

Core Software

Session | **Location:** Interlaken, Switzerland, Brunig 1 + 2

14:00–14:20

LCIO persistency and data model for LC simulation and reconstruction

Speaker

F. Gaede

14:20–14:40

POOL Development Status and Plans

Speaker

D. Duellmann

14:40–15:00

POOL Integration into three Experiment Software Frameworks

Speaker

Giacomo Govi

15:00–15:20

Recent Developments in the ROOT I/O

Speaker

P. Canal

15:20–15:40

XML I/O in ROOT

Speaker

S. Linev

15:40–16:00

The FreeHEP Java Library Root IO package

Speaker

T. Johnson

16:00–16:30

Coffee Break

16:30–16:50

EventStore: Managing Event Versioning and Data Partitioning using Legacy Data Formats

Speaker

C. Jones

16:50–17:10

ATLAS Metadata Interfaces (AMI) and ATLAS Metadata Catalogs

Speaker

S. Albrand

17:10–17:30

CMS Detector Description: New Developments

Speaker

M. Case

17:30–17:50

Addressing the persistency patterns of the time evolving HEP data in the ATLAS/ LCG MySQL Conditions Databases

Speaker
A. Amorim

17:50-18:10 **CDB - Distributed Conditions Database of BaBar Experiment**

Speaker
I. Gaponenko

18:10-18:30 **LCG Conditions Database Project Overview**

Speaker
A. Valassi

18:30

Thursday 30 September

14:00

Core Software

Session | Location: Interlaken, Switzerland, Brunig 1+2

14:00-14:20 **Guidelines for Developing a Good GUI**

Speaker

I. Antcheva

14:20-14:40 **Aspects**

Speaker

J. Hrivnac

14:40-15:00 **Aspect-Oriented Extensions to HEP Frameworks**

Speaker

C. Tull

15:00-15:20

Optimizing Selection Performance on Scientific Data by utilizing Bitmap Indices

Speaker

Vincenzo Innocente

15:20-15:40

Developments of Mathematical Software Libraries for the LHC experiments

Speaker

L. Moneta

15:40-16:00 **The ZOOM Minimization Package**

Speaker

M. Fischler

16:00-16:30 **Coffee Break**

16:30-16:50 **Automatic Procedures as Generated Analysis Tool**

Speaker

G. Asova

16:50-17:10 **CLHEP Infrastructure Improvements**

Speaker

Andreas PFEIFFER

17:10-17:30

Supporting the Development Process of the DataGrid Workload Management System Software with GNU autotools, CVS and RPM

Speaker

E. Ronchieri

17:30-17:50 **Software management infrastructure in the LCG Application Area**

Speaker

A. Pfeiffer

17:50-18:10

Quality Assurance and Testing in LCG

Speaker

M. GALLAS

18:10-18:30

IgProf profiling tool

Speaker

G. Eulisse

18:30