

## **Session Program**

**September 27, 2004 to October 1, 2004**



# **CHEP04**

## ***Core Software***

Interlaken, Switzerland

# Mon, September 27

2:00 PM

## 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

6:30 PM

# Wed, September 29

2:00 PM

## 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

6:30 PM

# Thu, September 30

2:00 PM

## 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

6:30 PM