

Session Program

2-9 Sept 2007



CHEP 07

Software components, tools and databases

Victoria, Canada

Monday 3 September

14:00

Software components, tools and databases: SC 1

Session | **Location:** Victoria, Canada, Lecture | **Convener:** Dirk Duellman

14:00–14:20 ATLAS Analysis Model

Speaker

Dr Amir Farbin

14:20–14:40 CABS3 - CLEO Analysis by Script @ Belle

Speaker

Prof. Nobuhiko Katayama

14:40–15:00 Physics Analysis Tools for CMS experiment at LHC

Speaker

Luca Lista

15:00–15:20 HepData: restructuring the archive for LHC data

Speaker

James William Monk

15:20–15:40 ETICS: the international software engineering service for the grid

Speaker

Dr Alberto Di Meglio

15:40–16:00 The CMS Dataset Bookkeeping Service

Speaker

Dr Lee Lueking

16:00

16:30

Software components, tools and databases: SC 2

Session | **Location:** Victoria, Canada, Saanich

16:30–16:50

Development Status and Plans for the LCG Common Database Access Layer (CORAL)

Speaker

Dirk Duellmann

16:50–17:10 COOL Software Development and Service Deployment Status

Speaker

Marco Clemencic

17:10–17:30 LHCb experience with LFC database replication

Speaker

Barbara Martelli

17:30–17:50 Replication and load Balancing strategy of STAR's RDBM

Speaker

Mr Michael DePhillips

17:50-18:10

Integration of the ATLAS Tag Database with Data Management and Analysis Components

Speaker

Dr Caitriana Nicholson

18:10

Tuesday 4 September

11:00

Software components, tools and databases: SC 3

Session | **Location:** Victoria, Canada, Lecture | **Convener:** Federico Carminati

11:00-11:20

Booting ROOT with BOOT

Speaker

Dr Rene Brun

11:20-11:35

ROOT Graphics: status and future.

Speaker

Mr Olivier Couet

11:35-11:50

Next generation of OpenGL support in ROOT

Speaker

Dr Matevz Tadel

11:50-12:05

Improvements in ROOT I/O's Functionality and Performance

Speaker

Mr Philippe Canal

12:05-12:20

An interface for GEANT4 simulation using ROOT geometry navigation.

Speaker

Mr Andrei Gheata

12:30

Wednesday 5 September

14:00

Software components, tools and databases: SC 4

Session | **Location:** Victoria, Canada, Lecture | **Convener:** Federico Carminati

14:00–14:20

Recent Developments of the ROOT Mathematical and Statistical Software

Speaker

Lorenzo Moneta

14:20–14:40

The ALICE Offline Environment

Speaker

Mr Federico Carminati

14:40–15:00

Relational databases for conditions data and event selection in ATLAS

Speaker

Florabela Viegas

15:00–15:20

CERN Database Services for the LHC Computing Grid

Speaker

Maria Girone

15:20–15:40

Assessment of Data Quality in ATLAS

Speaker

Dr Michael Wilson

15:40–16:00

Experience and Lessons learnt from running high availability databases on Network Attached Storage

Speaker

Mr Juan Manuel Guijarro

16:00

Thursday 6 September

14:00

Software components, tools and databases: SC 5

Session | **Location:** Victoria, Canada, Lecture | **Convener:** Dirk Duellman

14:00-14:20 The Virtual Geometry Model

Speaker

Dr Ivana Hrivnacova

14:20-14:40 LCGO - geometry description for ILC detectors

Speaker

Dr Frank Gaede

14:40-15:00

Analysing CMS software performance using IgProf, OProfile and callgrind

Speaker

Lassi Tuura

15:00-15:20 Optimizations in Python-based HEP Analysis

Speaker

Dr Sebastien Binet

15:20-15:40 The configuration system of the ATLAS Trigger

Speaker

Dr Jörg Stelzer

15:40-16:00

Searching for CMS data: Rapid web development using python and AJAX

Speaker

Valentin Kuznetsov

16:00

16:30

Software components, tools and databases: SC 6

Session | **Location:** Victoria, Canada, Saanich | **Convener:** Federico Carminati

16:30-16:50

Maintenance, validation and tuning of Monte Carlo event generators for the LHC experiments in the Generator Services project

Speaker

Dr Mikhail Kirsanov

16:50-17:10 The life cycle of HEP offline software

Speaker

Dr Peter Elmer

17:10-17:30

Perfmon2 - A leap forward in performance monitoring

Speaker

Mr Sverre Jarp

17:30-17:50

Explicit state representation and the ATLAS event data model: theory and practice

Speaker

Dr Marcin Nowak

17:50-18:10

CMS packaging system or: how I learned stop worrying and love RPM spec files

Speaker

Mr Giulio Eulisse

18:10