

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