

Session Program

27 September 2004 to 1 October 2004



CHEP04

Poster Session 3

Interlaken, Switzerland

Thursday 30 September

10:00

Poster Session 3: Event Processing, Core Software

Poster Session | **Location:** Interlaken, Switzerland, Coffee

Managing third-party software for the LCG

Speaker

E. Poinsignon

INDICO - the software behind CHEP 2004

Speaker

T. Baron

The Description of the Atlas Detector

Speaker

Vakhtang tsulaia

Parallel compilation of CMS software

Speaker

S. Schmid

New specific solids definitions in the Geant4 geometry modeller

Speaker

O. Link

ROOT : detector visualization

The ROOT Linear Algebra

Speaker

R. Brun

Dynamic Matched Filters for Gravitational Waves Detection

Speaker

Dr S. Pardi

Extending EGS with SVG for Track Visualization

Speaker

B. White

Comparative study of the power of goodness-of-fit algorithms

Speaker

M.G. Pia

Precision validation of Geant4 electromagnetic physics

Speaker

M.G. Pia

Experience with the Unified Process

Speaker

M.G. Pia

The Geometry Package for the Pierre Auger Observatory**Speaker**

L. Nellen

Muon Event Filter Software for the ATLAS Experiment at LHC**Speaker**

Dr M. Biglietti

Geant4 as Simulation Toolkit addressed to interplanetary manned missions studies: required developments and improvements**Speaker**

S. Guatelli

A high-level language for specifying detector coincidences**Speaker**

F. Gray

Harp data and software migration from Objectivity to Oracle**Speaker**

A. Valassi

Persistence for Analysis Objects**Speaker**

J. Hrivnac

GraXML**Speaker**

J. Hrivnac

The ZEUS Global Tracking Trigger**Speaker**

Dimitri gladkov

Software Management in the HARP experiment**Speaker**

E. Tcherniaev

Monte Carlo Event Generation in a Multilanguage, Multiplatform Environment**Speaker**

N. Graf

Visualisation of the ROOT geometries (TVolume and TGeoVolume) with Coin-based model.**Speaker**

Mr A. Kulikov

The FEDRA - Framework for Emulsion Data Reconstruction and Analysis in OPERA experiment.**Speaker**

Dr V. Tioukov

The LCG Savannah software development portal**Speaker**

Y. Perrin

Pixel Reconstruction in the CMS High-Level Trigger**Speaker**

Dr S. Cucciarelli

The application of PowerPC/VxWorks to the read-out subsystem of the BESIII DAQ**Speaker**

Mei Ye

New Applications of PAX in Physics Analyses at Hadron Colliders**Speaker**

A. Schmidt

Detector-independent vertex reconstruction toolkit (VERTIGO)**Speaker**

Mr W. Waltenberger

Development of algorithms for cluster finding and track reconstruction in the forward muon spectrometer of ALICE experiment**PyBus -- A Python Software Bus****Speaker**

W. Lavrijsen

CMD-3 Project Offline Software Development**Speaker**

A. Zaytsev

Automated Tests in NICOS Nightly Control System**Speaker**

A. Undrus

Adaptive Multi-vertex fitting**Speaker**

W. Waltenberger

CMS Tracker Visualisation Tools**Speaker**

M.S. Mennea

Tracking of long lived hyperons in silicon detector at CDF.**Speaker**

Dr E. Gerchtein

Deterministic Annealing for Vertex Finding at CMS**Speaker**

Dr E. Chabanat

The CEDAR Project

Speaker

Dr M. Whalley

Domain Specific Visual Query Language for HEP analysis or How far can we go with user friendliness?**Speaker**

V M. Moreira do Amaral

RDBC: ROOT DataBase Connectivity**Speaker**

V. Onuchin

Carrot ROOT Apache Module**Speaker**

Mr V. Onuchin

The Track Extrapolation package in the new ATLAS Tracking Realm**Speaker**

A. Salzburger

Simulation and reconstruction of heavy ion collisions in the ATLAS detector.**Speaker**

P. Nevski

BFD: A software management & deployment tool for mixed-language distributed projects**Speaker**

M. Stoufer

Transparently managing time varying conditions and detector data on ATLAS.**Speaker**

C. Leggett

The TAG Collector - A Tool for Atlas Code Release Management**Speaker**

S. Albrand

CMS Software Installation**Speaker**

K. Rabbertz

Mantis: the Geant4-based simulation specialization of the CMS COBRA framework**Speaker**

M. Stavrianakou

ROOT Graphical User Interface**Speaker**

I. Antcheva

Recent evolutions of CMT. Multi-project and activity management.**Speaker**

C. ARNAULT

Porting CLEO software to Linux

Speaker
V. Kuznetsov

Specifying Selection Criteria using C++ Expression Templates

Speaker
C. Jones

Paths: Specifying Multiple Job Outputs via Filter Expressions

Speaker
C. Jones

ATLAS Detector Description Database Architecture

OpenPAW

Speaker
G B. Barrand

Rio

Speaker
G B. Barrand

A database perspective on CMS detector data

Status and Plans of the LCG PI Project

Speaker
A. Pfeiffer

Validation of the GEANT4 Bertini Cascade model and data analysis using the Parallel ROOT Facility on a Linux cluster

Volume-based representation of the magnetic field

Speaker
T. Todorov

The Binary Cascade

Speaker
Dr G. Folger

Porting LCG Applications

Speakers
I. Reguero, J A. Lopez-Perez

The WEB interface for the ATLAS/LCG MySQL Conditions Databases and performance constraints in the visualisation of extensive scientific/technical data

Speaker
D. Klose

Conditions Databases: the interfaces between the different ATLAS systems

Speaker
D. KLOSE

"RecPack", a general reconstruction tool-kit

Speaker

A. CERVERA VILLANUEVA

**A Pattern-based Continuous Integration Framework for Distributed EGEE Grid
Middleware Development**

Speaker

A. Di Meglio

11:00