

SEMINARS SEMINAIRES

Tuesday 9 September

LEP EXPERIMENTS COMMITTEE

Open Session

at 09.00 hrs – Auditorium

Reports on the LEP machine:

- 09.00 Status of LEP2 and present performance
(Mike Lamont)
- 09.20 Status of the LEP2 RF system (Gunther Geschonke)
- 09.40 Estimates of LEP2 future performance (Daniel Brandt)
LEP working group reports:
- 10.00 Electroweak physics (Robert Clare)
- 10.30 Coffee break
- 11.00 Higgs particles (Peter Igo-Kemenes)
- 11.30 Four-jet events (Dieter Schlatter)
Energy request:
- 12.00 ALEPH request for 131/136 GeV running
(Peter Dornan)
- 12.20 Lunch

Closed Session

at 14.30 hrs – 6th floor Conference Room

Tuesday 9 September

IT TRAINING TUTORIAL

14.00-16.00 hrs – IT Auditorium, bld. 31/3-004

Introduction to Excel 97

by James PURVIS / CERN-AS

This tutorial is intended as a brief overview of one of the Microsoft Office components, Excel. It covers the following:

- * A brief overview of Excel
- * What's new & different about Excel97
- * From worksheets to graphics and charts
- * Working with lists and analyzing data with Pivot Tables
- * Taking your data to the Web
- * An Introduction to Application development using Visual Basic from Applications

This is a repetition of the IT Training Tutorial given on July, 8th

Wednesday 10 September

PRESENTATION

9.00 hrs - 11.30 hrs – IT auditorium, bldg 31/3-004

Representatives of the auditing and consulting firm PRICE WATERHOUSE will give a presentation of their services on the following subjects:

- 9.00 Value for Money
- 9.45 IT and Internet Security
- 10.30 Internal Audit
- 10.50 Auditing & Contracts based on the principles of "open book" and "target price incentive fee"

Information: L. Abel/SPL-PS/Tel. 79561
C. Krattinger/SPL-DI/Tel. 79729

Pour de plus amples informations, prière de consulter
For full information on these seminars, please see
<http://wwwas.cern.ch/Bulletin/Seminars/current.html>

Wednesday 10 September

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

Beautiful CP violation

by Isi DUNIETZ / Fermilab

CP violation is observed to date only in K^0 decays and is parametrizable by a single quantity epsilon. Because it is one of the least understood phenomena in the Standard Model and holds a clue to baryogenesis, it must be understood. Highly specialized searches in K^0 decays are possible. Effects in B decays are much larger. In addition to the traditional $B_d \rightarrow J/\psi K_s, \pi^+\pi^-$ asymmetries, CP violation could be searched for in already existing inclusive B data samples. The rapid $B_s - \bar{B}_s$ oscillations cancel in untagged B_s data samples, which therefore allow feasibility studies for the observation of CP violation and the extraction of CKM elements with present vertex detectors. The favoured method for the extraction of the CKM angle gamma is shown to be unfeasible and a solution is presented involving striking direct CP violation in charged B decays.

Friday 12 September

RD49 RADTOL MEETING

Morning 09.00 to 12.45 hrs

Afternoon : 14.00 to 16.30 hrs – ECP conference room
B13-2-005

The radiation tolerance of modern bipolar and CMOS technologies

by Allan H. Johnston NASA-JPL/CATECH USA

Fred Sexton / Sandia National labs/USA

Len Adams / ESA-ESTEC/NL

Jean Luc Leray / CEA/France

Herve Duperray / SGS-THOMSON, Space division manager

Thierry Corbieres / TEMIC-MHS

Federico Faccio / CERN

Andrea Giraldo / University of Padova

Walter Snoeys / CERN

- 9.00 Introduction to total dose effects in deep submicron CMOS and bipolar devices and its consequence for LHC electronics.
- 9.15 Single event effects in submicron CMOS processes. Fred Sexton, Sandia National Laboratory Albuquerque, USA.
- 10.15 Coffee break
- 10.45 Radiation effects in advanced microelectronic technologies, Allan H. Johnston, JPL-CALTECH, Pasadena, USA.
- 11.15 Radiation effects in linear bipolar Integrated circuits. Allan H. Johnston, JPL-CALTECH, Pasadena, USA.
- 11.45 Activities of ESA-ESTEC in radiation tolerant components for space applications.
- 12.15 Modeling the lateral parasitic transistor in CMOS processes. Jean Luc Leray, CEA, Bruyères le Châtel.
- 12.45 Lunch

- 14.00 Measurement of the total dose effects in deep submicron CMOS processes. Andrea Giraldo, University of Padova.
- 14.20 Experimental results on layout-hardened submicron CMOS test structures. Federico Faccio, CERN.
- 14:40 Experimental results on a pixel readout electronics circuit designed with layout hardened transistor in a CMOS submicron process. Walter Snoeys, CERN.
- 15.00 Program of radiation tolerant ICs of ST microelectronics. Herve Duperray, Space division manager ST.
- 15.30 Program of radiation tolerant CMOS processes and ICs of TEMIC Thierry Corbieres, TEMIC MHS.
- 16.00 Panel discussion.
- 16.30 End of the meeting.

Monday 15 September

TECHNICAL SEMINAR

at 11.00 hrs – ECP Conference Room, bldg 13/2-005

Use of Modern Software Development Methodologies in the Re-engineering of the OPAL Trigger Software.

by Klaus Ackerstaff and Arash Khodabandeh, CERN/ECP

The OPAL trigger software originating from the start of the LEP experiments in 1989 has been completely re-engineered in the winter shutdown 96/97. The project has been realized in collaboration between the OPAL online and the ECP/IPT group. Lack of reliability and maintainability as well as changing demands of the LEP2 era initiated the project. The software had to be delivered on time for the 97 LEP start up, preserve all interfaces to the existing OPAL environment and stay backward compatible with the old software and hardware until final approval. The requirements and constraints were met using modern software development methodologies (e.g. URD, OMT, configuration management, quality control) and tools like CVS, SNIFF+, Rose, Logiscope and FrameMaker/WebMaker etc. The presentation will focus on the benefits of the approach and its correlation with the success of the project.

Monday 15 September

TECHNICAL PRESENTATION

at 14.00 hrs – IT Auditorium, bldg. 31/3-004-5

What's new in visual hdl

by M. Delcroix / European technical manager;
P.L. Guttilla / Sales Manager France.
SUMIT DESIGN, European Headquarters, France

Visual HDL is a design entry system for development of executable system specifications.

It employs graphical languages mixed with VHDL or Verilog text to capture a design.

Visual HDL includes an interactive VHDL simulator which provides visual feedback annotated on the original source deceptions in their respective editor windows for functional and timing analysis. It also translate the mixed VHDL/Verilog and graphical specification into a complete VHDL or Verilog description for simulation or synthesis.

Visual HDL is the first HDL graphical design entry tool to offer full text-to-graphics capabilities that allow electronic designers to utilise any existing HDL code by turning it into easy-to-understand graphics, including block diagrams, state diagrams, and flow charts.

09h30-12h00:

• Up data of Summit Design Profile

• What's new in Visual HDL:

- New features of vers. 5.0 (new release)
- Text to Graphic tool presentation
- Demonstration of Visual Hdl 5.0 with Text to Graphic

• Visual Hdl road map:

- Visual control designer family (HDL Code Analyser & Optimizer)
- Visual IP (Provide IP models for several environments)
- Visual HDL 6.0 schedule

• CERN /Summit Design Open discussion

14h00/16h00: How to use Altera LPM in Visual HDL

Technical Information :N. Bosco / IT Tel: 75025

Organiser : S. Cannon / IT / 75036

Tuesday 16 to Thursday 18 September

FIELDBUS WORKSHOP

09.00 to 17.00 hrs – Council chamber

A CERN working group created by the Controls Board recommended that the usage of fieldbuses for CERN project be limited to Profibus, Worldfip and CAN bus. These products offer a complete choice of features which can satisfy the wide range of requirements encountered at CERN. The technical staff involved in controls projects should be knowledgeable in fieldbuses in order to make the best use of them.

The objective of this three-day-workshop is to familiarise potential users with the characteristics of these three buses. Technical presentations will be done by experts from industry, about forty companies will present their products and hands-on will be proposed. The requirements of CERN in matter of fieldbuses will also be expressed for some applications. More information can be found on the Web at URL

<http://ecpcowwww.cern.ch/fieldbus/Plan1.html>

Those who are interested to participate in this workshop are asked to register either by phone at 76 77160, or by Email at Claudie.Nebout@cern.ch.

Mercredi 17 Septembre

PRESENTATION TECHNIQUE CAO

at 09.00 hrs – Amphithéâtre LHC, bât. 30/7-018

La Business Unit "Performance Engineering" de Cadence vous propose de participer à un séminaire technique le 17 septembre, au cours duquel sera présentée la nouvelle stratégie de Cadence vis à vis de la conception de cartes électroniques hautes performances.

09.00 Introduction

09.15 (Front-end): Simulation analogique et mixte, schématique, analyse et prise en compte des contraintes physiques et technologiques (Boardquest)

14.00 (Back end): Windows NT, integration multi-plateformes (UNIX, NT), placement-routage (Allegro), routage automatique (Specctra)

par Pascal CHENAIS / CADENCE (Performance Engineering).

Langue: français

Informations: P. Baehler/IT (tél. 75016)

S.Brobecker/IT (tél. 78693)

Thursday 18 September

HEAVY-ION FORUM

at 14.00 hrs – Conference room, blg. 13, 2-005

Experimental searches for Disoriented Chiral Condensates

by Bolek Wyslouch

Thursday 18 September

LHC TECHNICAL SEMINAR

at 16.00 hrs – LHC Auditorium, bld. 30/7th floor

Beam losses in the LHC arcs and their detection

by T. Spickermann / CERN-SL

EDUCATION SERVICES EDUCATIFS



Information sur les cours, dates et places disponibles sur WWW:
Information about the courses, dates and places available on WWW :
<http://www.cern.ch/Training/>

ENGLISH - FRENCH

Registration for language courses in the first term: from 13 October to 19 December 1997.

Application forms are available at the Language Courses Secretariat (Bldg 54, E-001), at the Users' Office (Bldg 61, R-020), at your Divisional Secretariat.

These courses are open to all persons working on the Cern site, and to their spouses.

For all information, please contact Mrs. Benz or Mrs. Fontbonne: Tel. 73127 (afternoons only), Mr. Liptow: Tel. 72957

INFORMATIONS GENERALES GENERAL INFORMATION

PUBLICATION DU BULLETIN HEBDOMADAIRE JEÛNE GENEVOIS Bulletin no 38/97

Le **jeudi 11 septembre** étant férié (Jeûne genevois), les articles à insérer dans le Bulletin no 38/97, paraissant le vendredi 19 septembre (et couvrant la semaine du lundi 15 septembre) devront nous parvenir **un jour plus tôt** qu'à l'accoutumée, soit le **lundi 8 septembre à midi**.

Merci de votre coopération.

Document Handling Group / Tél. 73475

Friday 19 September

IT TRAINING TUTORIAL

10.00-12.00 hrs – IT Auditorium, bld. 31/3-004

Introduction to Programming in Mathematica

by Raul RAMOS POLLAN / CERN-IT

FORMATION EN LANGUES LANGUAGE TRAINING

Françoise Benz ☎ 73127
Andrée Fontbonne ☎ 72844

ANGLAIS - FRANCAIS

Les inscriptions à ces cours sont ouvertes dès maintenant pour le premier trimestre 97-98:

du 13 octobre au 19 décembre 1997

Les formulaires d'inscription sont à votre disposition au Secrétariat des Cours de Langues (Bât. 54, E-001), au Bureau des Utilisateurs (Bât. 61, R-020), à votre secrétariat de division.

Ces cours s'adressent à toute personne travaillant au CERN ainsi qu'aux conjoints.

Pour toute information, veuillez contacter Mme Benz ou Mme Fontbonne: Tél. 73127 (après-midi seulement), Mr Liptow: Tél. 72957

WEEKLY BULLETIN PUBLICATION JEÛNE GENEVOIS Bulletin No 37/95

As **Thursday 11 September** is a holiday (Jeûne genevois), material for publication in Weekly Bulletin No 38/97, to appear on Friday 19 September (covering the week of Monday 15 September) should reach us **one day earlier than usual**, i.e. by **noon on Monday 6 September**.

Thank you for your cooperation.

Document Handling Group / Tel. 73475