

Un groupe de travail sera créé pour examiner les questions d'imposition en France.

Les représentants de la Direction ont convenu que l'annonce parue récemment dans le Bulletin hebdomadaire et concernant la mobilité interne représente une mesure transitoire, permettant de lever le moratoire sur les transferts internes en attendant la révision prochaine des Statut et Règlement du personnel.

La prochaine réunion du Comité aura lieu le 12 novembre 1991.

the forthcoming revision of the Staff Rules and Regulations.

The next meeting of the Committee will take place on 12 November 1991.

SEMINARS SEMINAIRES

Monday 4 November

AC SEMINAR

at 11.00 hrs – AT Auditorium
bldg 30, 7th floor

Physics results at LEP

by J. STEINBERGER / CERN-PPE

The four LEP collaborations together have accumulated some two million events in the first two years of operation. The data are of very high quality and have yielded important results chiefly in the domain of the electroweak interaction but also in checks of QCD, and have provided limits on the masses of the Higgs as well as supersymmetric particles. The b quarks as well as τ leptons produced in Z decay are proving useful in the study of some properties of these particles.

Tuesday 5 November

SPS AND LEAR EXPERIMENTS COMMITTEE

Open session

at 09.00 hrs – Auditorium
(to be continued at 14.00 hrs)

1. Study of muon pairs and vector mesons produced in high energy lead-lead interactions (LAPP, CNRS-IN2P3, Annecy-le-Vieux - LPC, Clermont-Ferrand - CERN - LIP, Lisbon - IPN, Univ. de Paris-Sud, and CNRS-IN2P3, Orsay-LPNHE, Ecole Polytechnique, and CNRS-IN2P3, Palaiseau - CRN, CNRS-IN2P3, and Univ. Louis Pasteur, Strasbourg - Univ. and INFN Torino - IPN, Univ. de Lyon, and CNRS-IN2P3, Villeurbanne; SPSLC 91-55 / P 265): L. Kluberg.
2. Status report from PS196 Precision comparison of π and p masses in a Penning trap: G. Gabrielse.
3. Status report from PS197 The Crystal Barrel: Meson spectroscopy at LEAR with a 4π neutral and charged detector: K. Koenigsmaann.

4. Status report from WA89 Hyperon beam experiment and memorandum Beam time request (SPSLC 91-54 / M 477): H.W. Siebert.
5. Status report from WA92 Measurement of beauty particle lifetimes and hadro-production cross-section: L. Rossi.
6. Status report from 'NA48': B. Peyaud.

Closed session

Tuesday 5 November at 15.30 hrs
to be continued on Wednesday 6 November at
09.00 hrs, 6th floor Conference Room.

Tuesday 5 November

PRESENTATION

at 10.30 hrs – CN Auditorium
bldg 31/3-005

VMEbus-based open real time solutions from Heurikon

by David TANNER / Heurikon

Heurikon is an important supplier of VMEbus equipment in the USA, and in particular places a strong emphasis on providing solutions to real-time problems. This presentation will focus on Heurikon's system integration strategy and custom design skills, as well as on its Multibus I, Multibus II and VMEbus product families. A detailed discussion of Heurikon's low cost VMEbus products and expandable CPU families will follow, including a description of the COREBUS concept as a means of expanding VMEbus platforms, independent of processor architecture. Future products will be presented including DSP solutions based on the AT&T DSP32C chip sets, with specific mention of the software support environments, and high performance serial I/O targeted at real time data capture. Heurikon's strategy for open real time software which includes OS-9, VxWorks and

LynxOS, will be discussed. The presentation will close with a review of Heurikon's long term plans and projects.

Organizer : Attila Koppanyi / CN / 4933 /
attila@cernvm

Wednesday 6 November

PRESENTATION

at 10.00 hrs – CN Auditorium
bldg 31/3-005

Technology at THORN-EMI

by Thorn EMI Central Research Laboratory

THORN-EMI is a major British electronics company. The aim of this seminar is to introduce people to the skills within their Central Research Laboratory. There will be particular emphasis on the cross disciplinary nature of their work. The presentation will cover:

Introduction to the THORN-EMI Central Research Laboratory

Overview of core technologies

Description of the work undertaken and examples of use of:

- Parallel Computing
- Neural Networks
- Data Fusion
- High Speed Processing
- System Electronics
- Low-noise read out chip
- Technology used for producing ferroelectric LCDs
- Very dense multiple interconnect technology
- Silicon Microengineering
- Vacuum Microelectronics and rad-hard amplifiers

Organizer : Attila Koppanyi / CN / 4933 /
attila@cernvm

Wednesday 6 November

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

Title to be announced

by B. GRINSTEIN / SSC Laboratory

Wednesday 6 November

COMPUTER FORUM

at 16.00 hrs – CN Auditorium
bldg 31/3-005

The CERN Program Library

by Miquel MARQUINA / CERN-CN

This is a first user meeting on CERNLIB. One aim is to present the proposal on alternative release mechanisms to be applied next year to the CERN Program Library. User feedback is felt essential and the experimental collaborations are

particularly concerned. We will have an open discussion where other subjects of concern to the user community can be discussed. In particular, M. Metcalf / CN will give a brief status report on the development of a Fortran 90 version of KERNLIB and GENLIB under the NAG f90 compiler.

Organizers : H. Burmeister / ECP & M. Metcalf / CN

Thursday 7 November

MEETING OF THE ECFA WORKING GROUPS ON A B-MESON FACTORY IN EUROPE

at 09.00 hrs – AT Auditorium
bldg 30, 7th floor

- 09.00–09.15 Introduction (J.-E. Augustin)
09.20–09.50 R&D for B-Factories (Y. Baconnier)
09.50–10.40 An Overview of B-Physics (A. Ali)
Coffee
11.10–11.50 Prospects of CP Violation in B-Physics (R. Aleksan)
11.50–12.10 A Detector for HELENA (H.D. Schulz)
12.10–12.30 First tests of a microstrip detector in the ARGUS experiment (S. Khan)
12.30–12.50 Calorimetry for a B-factory detector (J. Spengler)
Lunch
14.10–14.30 Particle identification for B-meson physics (E. Lorenz)
14.30–14.50 2nd level trigger (R. Boeck)
14.50–15.10 Background measurements and comparison with calculations (R. Eichler)
15.15–16.00 B-Physics at Hadron Machines (Conveners : G. Carboni, D. Denegri)
Coffee
16.30–17.45 B-Physics at Hadron machines, B-physics at LEP (Conveners : G. Carboni, D. Denegri)

Thursday 7 November

PRESENTATION

at 10.00 hrs – CN Auditorium
bldg 31/3-005

T9000 Presentation/ Software strategy meeting
by ELJAPEX/INMOS

Morning

- 10.00–11.00 T9000 Architecture/Performance
Communications
11.00–11.15 Break
T9000 Development Software
Questions/Answers

Afternoon Informal discussions on software strategy

Organizer : Attila Koppanyi / CN / 4933 /
attila@cernvm

Thursday 7 November

CAS ACCELERATOR SEMINAR

at 14.00 hrs – Council Chamber

Developments in superconducting RF for the luminosity and energy frontiers : B-factory and TESLA

by Hasan PADAMSEE / Cornell University

Cornell has a strong research and development programme on superconducting rf (SRF) technology. For B-factories, superconducting cavities offer a substantial reduction in machine impedance, and open the way for large beam currents leading to the high design luminosities required. The cavities used in the present generation of storage rings also need to be improved. The efforts underway to meet these challenges will be described. For TESLA (TeV Energy Superconducting Linear Accelerator) SRF offers high efficiency conversion of ac power to beam power, so that the design luminosities can be envisaged without the need for focusing the beams to nanometer spot sizes. Collision energy-spread and background are reduced, along with the demands on low-emittance sources and the final-focus system. With SRF, long rf pulse lengths and low rf frequency can be used. The ensuing benefits are large bunch separation, reduced long- and short-range wakefields, and the need for only modest rf power sources that are already available. The major challenges to TESLA are gradient improvement and cost reduction. Progress on these fronts will be described.

Friday 8 November

PRESENTATION

10.00-12.00 hrs – CN Auditorium
bldg 31/3-005

O2 Object Oriented Database

by O2 Technologies

10.00–10.15 Short Presentation of O2 technology

10.15–11.00 Demonstration of the O2 product

11.00–12.00 Group demonstration to those specifically interested in the O2 object oriented technology

O2 are a leader in the design and development of object oriented databases. This presentation follows on from the course given by O2 earlier on this year about object oriented databases though prior knowledge of the technology is not necessary.

Organizer : Attila Koppanyi / CN 4933 /
attila@cernvm

Friday 8 November

CAS ACCELERATOR SEMINAR

The Seventh Lecture in the John Adams' Memorial Lecture Series

at 14.30 hrs – Auditorium

HERA – a status report

by Bjørn WIJK / DESY

HERA, designed to collide 820 GeV protons with 30 GeV electrons, is the first electron-proton (ep) collider that has ever been constructed. The project was approved in April 1984 and completed in October 1990. Electrons were injected and stored for the first time in August 1988. The proton ring which is made of superconducting magnets has been at liquid helium temperatures since late 1990. Electrons and protons have been accelerated to 30.3 GeV and 480 GeV respectively, and stored with lifetimes in excess of several hours. The two rings are now being prepared for simultaneous operation and we aim to observe the first ep collisions before the end of 1991. In the talk I will first discuss the performance of the main accelerator components and then focus on results obtained during machine commissioning runs. At the end I will briefly comment on the possibility of colliding high energy electrons from a linear collider with protons circulating in HERA.

***Tea and coffee will be served after the lecture (~16.00h) in the Salle des Pas Perdus**

Monday 11 November

TECHNICAL PRESENTATION

10.00-11.30 & 14.00-17.00 hrs – CN Auditorium
bldg 31/3-005

TRI/ADD Program

by DEC

10.00-11.30 : General Presentation

- DEC I/O strategy
- Goals and strategies of the TRI/ADD program worldwide
- Short Introduction to TURBOchannel
- Introduction to the new industry standard ACCESS bus

14.00-17.00 : Technical presentation/discussion

- using the TURBOchannel ASICs and designers kit
- designing your device driver for OSF and Ultrix (VME, TURBOchannel and ACCESS buses)
- designing your option for serviceability

Organizer : Attila Koppanyi / CN / 4933 /
attila@cernvm

Tuesday 12 November

LEP EXPERIMENTS COMMITTEE

at 09.30 hrs – Auditorium

Open Session

- 09.30 - 10.30 *Status of LEP (V. Hatton, S. Myers)*
10.30 - 11.00 *Report from the LEP Energy Working Group*
11.00 - 11.30 *Coffee Break*
11.30 - 12.30 *Report from the Polarization Working Group*

Status Reports on the Experiments

- 14.00 - 14.30 *ALEPH*
14.30 - 15.00 *DELPHI*
15.00 - 15.30 *OPAL*
15.30 - 16.00 *L3*
16.00 - 16.30 *Tea Break*
16.30 - 17.00 *Status of SLC (M. Breidenbach)*
17.00 - 17.30 *Proposal for Upgrading the OPAL Luminosity Detector*

Closed Session

Wednesday 13 November

Conference Room, 6th Floor, Admin. Building

Wednesday 13 November

TECHNICAL PRESENTATION

09.30-12.30 & 14.00-16.00 – ECP Conference Room
bât. 13/2-005

Thomson-TMS (F), represented by Modulator Composants SA (CH), will give an updated information on Charged Coupled Devices (CCDs) and Flash A/D Converters, including capability of radiation hardening of the products.

- 09.30-12.30 *CCD presentation by Alain Jutant, CCD Marketing Manager*
General features of TMS's CCDs, technologies available at TMS, technologies in development, review of TMS's new products (available or to be introduced)

14.00-16.00 *Flash A/D presentation by Bertrand Woestelandt, Standard Products Marketing Manager*
TMS's range of standard products, Flash A/D Converters family

Information : M. Diraison / FI / 4585

Wednesday 13 November

COMPUTING SEMINAR

at 16.00 hrs – CN Auditorium
bldg 31/3-005

The Scalable Coherent Interface

by Andre BOGAERTS / CERN-ECP

Thursday 14 November

TECHNICAL PRESENTATION

10.00-16.00 hrs – bldg 17/1-007

Tektronix International AG, GPID Division (USA/CH), will demonstrate the following products :

- *Tektronix Printers, 4697 Colorquick Series, 4694 Phaser II Series, 4698 Phaser III Series*
- *Tektronix Terminals, XP10 Series, XP20 Series*

Applications: business graphics, scientific visualization, graphic applications, engineering, process control, CAD/CAM.

Potential users are also invited to come and test their own application.

Languages : English, French

Information : M. Diraison / FI / 4585

FOR INFORMATION / POUR INFORMATION

LAPP

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Vendredi 8 novembre

SEMINAIRE LAPP

à 10.45 h – Amphithéâtre du LAPP

DAPHNE : The Frascati Phi factory. Status of the Project ; Physics motivation and Detector Concepts

by P. FRANZINI / Frascati

Informations : Sylvie LEES-ROSIER / LAPP / int. 328 / SROSIER@FRCPN11