



SEMINARS SEMINAIRES

Tuesday 5 June

LEP EXPERIMENTS COMMITTEE

at 09.00 hrs – Auditorium

09.00-10.00 *Status report on LEP (S. Myers,
A. Hofmann. M. Placidi)*

*Status reports on the experiments and requests
for the remaining part of the run in progress*

10.00-10.30 DELPHI

10.30-11.00 OPAL

11.00-11.20 Coffee break

11.20-11.50 L3

11.50-12.20 ALEPH

Closed session

Tuesday 5 June at 14.00 hrs

6th floor Conference Room, Administration
building

to be continued on Wednesday 6 June at 09.00 hrs
6th floor Conference room

Tuesday 5 June

PRESENTATION

at 14.00 hrs – CN Auditorium
bldg 31, 3-005

Imaging under OSF/Motif

by H. BECK / NeXUS Systems AG

*NeXUS Systems will present a Macintosh-like
interface to UNIX systems and demonstrate state-of-
the-art image capture, manipulation and archiving.
There will be a discussion of future trends.*

Wednesday 6 June

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

The modular geometry of two-dimensional gravity

by Greg MOORE / Yale University, New
Haven, CT

Wednesday 6 June

CAS ACCELERATOR SEMINAR

at 14.30 hrs – Auditorium

Symbolic computation : a fashion or a precious tool?

by Bruno AUTIN / CERN

*Symbolic techniques were invented more than ten
years ago by theorists to deal with the complicated
and precise calculations which were required in such
fields as QED. Today, symbolic computation is a
mature science which can be applied to any type of
problem and is of outstanding help not only in
research but also in engineering and education.
Examples motivated by recent studies on B-factories
will be presented using Mathematica; they concern
special relativity, perturbation theory and analytical
design of low-beta insertions. It is hoped that these
few examples will give the flavour of many other
topics which could be advantageously treated using
symbolic methods : field computations, large ampli-
tude oscillations, high-order optics and many others
which are usually considered as the realm of simula-
tion and which could benefit both from the under-
standing provided by a deep analytical insight and
from a fast numerical evaluation based upon elabo-
rate algorithms. The soil of symbolic methods is rich
but it has to be ploughed. A forum where all the
individual endeavours could be shared would help to
make the necessary intellectual investment fruitful;
its nature and its functioning will be discussed at the
end of the talk.*

Wednesday 6 June*

EP SEMINAR

at 16.30 hrs – Auditorium

First results from the CPLEAR Experiment

by P. PAVLOPOULOS / CERN-PPE

The CPLEAR experiment is aiming at precise CP Violation and CPT tests through $K^0\bar{K}^0$ interferometry, using the intense tagged kaon source produced by $p\bar{p}$ annihilation at rest. We present the analysis of the first 'minimum bias' and 'kaonic' data acquired during a run using the first and second level K^0 -trigger to study the performance of the detector, the K/π identification, and the performance and biases of the trigger hardware processors, used for the complete online event reconstruction. The results allowed a first evaluation of the contribution of the different pionic and kaonic annihilation channels to the final kaon trigger. The strangeness tagging efficiency and the systematic errors to be expected in first order have been determined and are in reasonable agreement with the design specifications of the experiment.

* Note unusual day!

Jeudi 7 juin

PRESENTATION TECHNIQUE

de 14.00 à 15.00 h : exposé

de 15.00 à 16.30 h : démonstration

bât. 17, 1-007

Kontakt-Systeme AG (CH) présente son programme de matériel de montage en surface SMD (Surface Mounted Devices) : postes de montage manuel économique, semi-automatique, fours, appareil à imprimer à pochoir, carrousel traditionnel et SMD, planche à connecteurs.

Langue : français

Renseignements : M. Diraison / FI / 4585

Thursday 7 June

PS SEMINAR

at 14.30 hrs – PS Auditorium (bldg 6/2-024) &
PS Large Conference Room (bldg 6/2-004)

Posters and publications for EPAC 1990

Posters and publications from the PS Division for the 2nd European Particle Accelerator Conference (Nice, 12-16 June 1990) will be displayed. Where applicable, there will be the oral presentations of the relevant papers.

Monday 11 June

AT SEMINAR

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

**Laser(s) work for CLIC or how to make 10^{12} e
in 10^{-12} s**

by Kryno K. GEISSLER / CERN-AT/DI

Future linear colliders such as CLIC need very short high intensity electron bunches. Photocathodes in accelerating RF structures activated by picosecond-long laser pulses are a promising means of producing

them efficiently. Several methods of generating ultra-short high power UV pulses from solid state and dye lasers will be discussed.

Mardi 12 juin

PRESENTATION

à 10.30 h – Amphithéâtre CN

bât. 31, 3-005

**Convivialité et graphisme dans vos applications
temps réel à base de VME**

par L. BATICLE, M. GIRAULT,
Ph. VAUCHER & Ph. MARIJON / Micro-
process, France

Wednesday 13 June

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

**Quantum groups and non-commutative
differential geometry**

by B. ZUMINO / University of California at
Berkeley & CERN

Wednesday 13 June

TECHNICAL PRESENTATION

14.30-16.30 hrs – bldg 73, 2-027

*British Telecom & Du Pont Technologies (UK),
represented by Moor Electronic AG (CH)*

Thursday 14 June & Friday 15 June

SIMULATION TECHNOLOGY SEMINAR

at 09.30 hrs – Technical Training Auditorium
bldg 593, room 11

by S. WOMBELL & N. McNAMARA / CACI
Ltd.

Friday 15 June

TECHNICAL PRESENTATION

14.00-17.00 hrs – PS Auditorium
bldg 6, 2-024

**Test and measurement seminar by LeCroy
Corp. (USA/CH)**

by Steve MONTGOMERY

Language : English

Information : M. Diraison / FI / 4585



Pour les personnes intéressées par les problèmes de la communication dans le domaine scientifique, et tout particulièrement pour celles dont la profession est le journalisme, l'interprétation ou l'enseignement, le CERN organise des soirées d'information scientifique générale sous le titre:

Les Sciences aujourd'hui

Ces rencontres seront animées par R. Carreras, responsable du programme d'Enseignement général au CERN, qui y commentera et expliquera un choix d'articles parus récemment dans des publications scientifiques et qui couvrent les sciences physiques et biologiques ainsi que certains aspects des relations science-société.

Une attention particulière sera portée au langage et aux notions utilisées afin que les explications et les commentaires soient accessibles aux personnes n'ayant pas de formation scientifique.

Dates: La prochaine séance aura lieu :
Mardi 5 juin 1990

Heure: De 20 h précises à environ 22 h

Lieu: CERN, grand amphithéâtre, bâtiment principal, 1^{er} étage

Repas: Il est possible de prendre un repas avant la séance
au restaurant situé au rez-de-chaussée du bâtiment principal

Entrée libre: Pour tous renseignements supplémentaires, s'adresser
au Service des Relations publiques du CERN, tél. 767 27 22.

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