

SEMINARS SEMINAIRES

Monday 9 September

EP SEMINAR

at 16.30 hrs – Auditorium

Aspects of fragmentation in deep inelastic muon scattering results from the EMC

by Klaus HAMACHER / Wuppertal University

Data are presented on several aspects of the fragmentation process in deep inelastic muon proton scattering. The following topics are discussed :

- fragmentation functions of identified stable particles
- resonance production
- correlation effects of hadrons
- exclusive neutral rho production.

Tuesday 10 September

SPS EXPERIMENTS COMMITTEE

Open session

at 09.00 hrs - Auditorium

1. Status report on the upgrade of the UA1 Detector (C. Rubbia).
2. Status report on the upgrade of the UA2 Detector (P. Darriulat).
3. Summary report on the Workshop on Physics in the 90's at the SPS Collider held at Zinal, 17-19 June 1985 (G. Matthiae).
4. Search for mesons and glueballs decaying into multi-photon final states produced in central hadron collisions and study of inclusive production of heavy quark mesons (Annecy - Brussels - Los Alamos - Serpukhov Collaboration; J.P. Peigneux; SPSC 85-45/P 214).

Closed session

Tuesday, 10 September at 14.00 hrs, Conference Room 6th floor, Administration Building (to be continued on Wednesday 11 September at 09.00 hrs).

Tuesday 10 September

LEP MACHINE ADVISORY COMMITTEE

Open session

at 14.00 hrs - LEP Auditorium
(7th floor, Bldg 30)

- 14.00 Status report on LIL and EPA (J. Madsen)
15.00 LEP performance and limitation (E. Keil)
16.00 PEP feedback experiment (S. Myers)

Closed session

Wednesday 11 September at 11.00 hrs, Salle B, Main Building

Wednesday 11 September

THEORETICAL SEMINAR

at 14.00 hrs – Theory Conference Room

Consistent superstrings as solutions of the $D = 26$ bosonic string theory

by H. NICOLAI / CERN

Consistent closed ten-dimensional superstrings, i.e., the two $N = 1$ heterotic strings and the two $N = 2$ superstrings, are contained in the 26-dimensional bosonic closed string theory. The latter thus appears as the fundamental string theory.

Mercredi 11 septembre

SEMINAIRE LEP

à 14.30 h – Amphithéâtre LEP
(dernier étage du bâtiment 30)

La conception assistée par ordinateur appliquée à l'électronique

par G. LEROY / CERN-LEP

Née dans la période 1965-1970, la Conception Assistée par Ordinateur (C.A.O.) a été introduite en partie au CERN en 1976 sous forme de Dessin Assisté par Ordinateur (D.A.O.).

Elle est maintenant implantée dans six divisions.

Après bientôt dix années d'expérience :

- quels gains avons-nous obtenus ?
- quelles ont été les difficultés rencontrées ?
- quel avenir pouvons-nous envisager ?

En mai 1982, un groupe de travail a été mis en place avec pour mission de définir la politique du CERN dans ce domaine.

Face à l'explosion de ce marché, sommes-nous prêts à passer à la C.A.O. ?

Thursday 12 September

PRESENTATION

at 09.00 hrs – DD Auditorium
(Bldg 31, 3th floor)

Presentation of TOSHIBA's 4 kg portable, IBM compatible PC

by Jean-Robert BUGNION,
Denis HULBERT and Olivier MICHEL /
Dextra SA

The standard version of the TOSHIBA portable computer includes :

- rechargeable batteries : 8 hour use
- 256 KB RAM
- 720 KB 3-1/2 inches internal disc drive
- LCD screen 25 lines, 80 columns, resolution 640 × 200
- colour graphics card, and links for external colour or mono CRT screens
- MS-DOS 2.2 system software with 80C88 microprocessor
- parallel port for printer
- keyboard choice of Suisse-Romande, French, German or USA
- transformer
- user's manual
- carrying case

Options available :

- 720 KB 3-1/2 inches external battery powered disc drive
- 360 KB 5-1/4 inches external mains powered disc drive
- 256 KB RAM internal extension card
- RS 232-C communications interface
- 14 inches colour CRT screen
- 12 inches mono CRT screen
- cables

Thursday 12 September

CERN COLLOQUIUM

at 16.30 hrs – Auditorium*

Niels Bohr, the quantum and the world

by V.F. WEISSKOPF / M.I.T.

* Tea and coffee will be provided at 16.00 hrs.

Monday 16 September

EP SEMINAR

at 16.30 hrs – Auditorium

What the Durham/RAL HEP Database can offer the CERN Physicist

by M. WHALLEY / University of Durham

For over ten years the PDG(UK), based at Durham University, have striven to provide computer searchable databases of particle physics scattering data (cross-sections, structure functions, polarisation measurements, etc.), from a wide variety of experiments. These, together with the more familiar particle data tables, and information on current experiments/proposals, compiled by the PDG(Berkeley), make up the Durham/

Rutherford HEP Databases. They are maintained on the Rutherford Appleton Laboratory mainframe computers, and have been accessible, in the past, mainly to UK physicists.

In the last few years, advances in computer systems and networks have made these databases not only interactively searchable (under CMS), but also available directly to physicists throughout Europe : in particular at CERN. The PDG at Berkeley, at the same time, have also been working to implement the same data information on the SPIRES database system at SLAC; thus extending the overall availability to a large part of the world.

The use of these databases (with emphasis on CERN) will be described together with more general information on the subject of data compilation. Their relationship with the SLAC data system, the type of data available (e.g. elastic scattering, inclusive hadron production, deep inelastic scattering, etc.), and the methods used to collect the data, will also be covered.

If possible, the talk will include an on-line demonstration, however a separate informal demonstration of the system is also being planned for the following week.

Friday 20 September

ELECTRONICS SEMINAR

at 09.30 hrs – Theory Conference Room

Integration of analog and digital circuits on silicon, problems and solutions

by J.L. BAURDOUX and H. NAUTA / SAGANTEC, the Netherlands

The facilities and technologies available on the market for custom chip design will be explained, as well as typical problems of integration and their solutions.

TRAINING AND

EDUCATION ENSEIGNEMENT

ENSEIGNEMENT GENERAL

Tél. 2844

Jeudi 19 septembre

de 13.00 h à 13.30 h – Amphithéâtre

Science pour tous

par R. CARRERAS

INFORMATIONS

GENERALES

GENERAL INFORMATION

OBJETS TROUVES SUR LE SITE

04.07 Trousseau de clés avec couteau

04.07 Montre 'ESOR'

22.07 Porte-monnaie, trouvé au Restaurant COOP

24.07 Montre quartz 'WATCH'

28.07 Bague, trouvée au Restaurant COOP

31.07 Trois trousseaux de clés, trouvés vers le bât. 582

02.08 Bonnet de laine gris

07.08 Médaille trouvée au bât. 65

14.08 Deux trousseaux de clés

Ces objets sont à réclamer à la Réception Principale, bâtiment 55.