

ment une déclaration écrite des faits à la Réception principale, Bâtiment 55. En dehors des heures habituelles de travail (les soirs, samedis, dimanches et jours fériés), ils doivent téléphoner au Service du Feu, tél. 4444.

Groupe Réception
Tél. 2152

the Main Reception, Building 55. Outside normal working hours (evenings, Saturdays, Sundays, holidays), they should telephone the Fire Service, tel. 4444.

Reception Group
Tel. 2152

SEMINARS SEMINAIRES

Monday 15 April

EF SEMINAR

at 11.00 hrs – EF Conference Room
(bldg. 13, 2-005)

Micro detectors and micro electronics
by Erik HEIJNE / CERN

The silicon planar technology enables us now to produce micro detectors, which are increasingly used both in fixed target and in collider experiments. Becoming familiar with this technology, we realize that specially designed micro electronics is well within reach. Front-end amplifiers and special processors could be produced in an economical way, thanks to the rapid development of computer design tools.

Monday 15 and Tuesday 16 April

PROTON SYNCHROTRON AND SYNCHRO-CYCLOTRON COMMITTEE

Open session

Monday 15 April at 14.30 hrs – Auditorium

1. *Introductory remarks by the Chairman.*
2. *Status reports on the following experiments :*
 - SC 83** *Two and three particle correlations in heavy ion collisions at the SC (CERN-Copenhagen Niels Bohr Inst. - Grenoble C.E.N. and I.S.N. - Lund - Saclay CEN DPhN; B. Jakobsson).*
 - SC 85** *Do medium heavy fragments give evidence for liquid-gas phase transition? (Darmstadt GSI - Heidelberg MPI - Munster; U. Lynen).*
 - SC 92** *Neutral pions and hard photons from nucleus-nucleus collisions between 48 and 84 MeV/N (Darmstadt GSI and TH-Frankfurt/Main-Heidelberg MPI-S.U.N.Y. Stony Brook; E. Grosse).*
 - PS 191** *Search for decays of heavy neutrinos with the PS beam (Athens - Demokritos - CERN - Paris LPNHE - P. et M. Curie Univ.; F. Vannucci).*

Closed session

at 17.00 hrs – Room B

Open session

Tuesday 16 April at 09.00 hrs – Auditorium

1. *Proposal : Tests of CP violation with K^0 s at LEAR (Basle - CERN - CEN Saclay - DAP Athens -*

2. *Proposal : Precision comparison of antiproton and proton masses in a Penning trap (Washington, Mainz, Fermilab; PSCC/85-21/P83; 85-22/S83; G. Gabrielse).*

Closed session

at 10.30 hrs – EP Conference Room

Monday 15 April

EP SEMINAR

at 16.30 hrs – Auditorium

New results on charm production and decay in 360 GeV/c negative pion-proton interactions
by A. GURTU / CERN-EP

The LEBC-EHS Collaboration has carried out a study of charm production using a high resolution bubble chamber (LEBC) followed by the European Hybrid Spectrometer (EHS). The distinguishing features of this experiment are the visual detection of charm decays and the use of a proton target. Results on production and decay characteristics of the D, F and lambda charm will be presented. Production properties will be compared with predictions from the LUND and naive fusion models.

Tuesday 16 April

ADMINISTRATIVE SEMINAR

at 11.00 hrs - DD Auditorium
(Bldg. 31 - 3rd floor)

International Transfers/Expatriate Salaries

by Dr. D. DIL / Manager, Expatriate Staff Conditions Department, Philips International B.V., Eindhoven, Netherlands

Mardi 16 avril

PRESENTATION TECHNIQUE

de 09.00 hrs à 12.00 hrs et de 14.00 hrs à 16.00 hrs (Bât. 73, salle 2-027)

ENDRESS and HAUSER AG (CH) propose en exposition/démonstration : 1) mesure de niveau, système capacitif, conducteur, par capteur de pression, par ultrason (echolot), par impulsion laser (Ladar); 2) mesure de débit : système inductif pour les liquides conductifs, système Vortex pour les vapeurs et les gaz, etc.;

3) **mesure d'analyse** : système MYPEX avec Sensopac pour mesure de pH, programme complet pour la mesure de la conductivité et de la concentration.

4) **enregistreur digital** : des imprimantes pour signal, analogique ou seriel avec des programmes de conditions, les valeurs selon spécifications.

Langues : Allemand, anglais, français.

Renseignements : M. Diraison / FI / 4585.

Mardi 16 avril

PRESENTATION TECHNIQUE

de 09.00 hrs à 16.00 hrs - Bât. 17, salle 1-007

LÜTZE AG (CH), représentant LÜTZE ELEKTRO GmbH (D), propose en exposition/démonstration «La solution d'ensemble», armoire (rack) électro-technique 19" avec contenu et accessoires : moniteurs d'information WG74 15", tiroirs de moniteurs WG74, composants de commande Variocompact WG73, connecteurs de transfert WG71, composants de commande Varioprint WG71, technique d'antiparasitage WG70, connecteurs de transfert Moducomp WG80, outillage et accessoires de montage WG80, raccords spéciaux WG60, système de câblage L SC WG33, tuyaux de protection pour câbles et raccords WG 20/27, câbles de commande WA10.

Langues : Allemand, français.

Renseignements : M. Diraison / FI / 4585.

Wednesday 17 April

PRESENTATION

at 14.00 hrs - DD Auditorium
(Bldg.31, 3rd floor)

Using ABEL for Programmable Logic System

by Ian HARRY / Data I/O Corporation, UK

ABEL (Advanced Boolean Expression Language) is a software tool for the description and implementation of programmable logic designs in PALS, IFLs and PROMs. Logic designs are expressed as Boolean equations, truth tables or state diagrams. ABEL performs syntax checking, logic reduction, simulation of device operation and produces design documentation and a standard JEDEC-format programmer file (including test-vectors). ABEL is available on the PRIAM VAX and the IBM PC.

Wednesday 17 April

CERN COMPUTER SEMINAR

at 14.00 hrs - Auditorium

Distributed Operating Systems

by Andrew S. TANENBAUM / Vrije Univ., Amsterdam

Part 1 : A survey of current research on the field. Distributed O.S.s have many aspects in common with centralized ones, but they also differ in certain ways. This talk introduces the subject and surveys university research in the field. It focuses on 5 key design issues : communication primitives, naming and protection, resource management, fault tolerance, and user services. For each of these points, various issues are discussed and examples given.

Part 2 : AMOEBA, a capability-based distributed O.S. The AMOEBA system is based on the use of sparse capabilities, which are used throughout the system for naming and protection. Unlike other systems, in AMOEBA the capabilities are managed by user code rather than in the kernel, and are protected cryptographically. Other aspects of the system, such as the file system and resource management will also be discussed.

Note : The seminar will last about 2 hours, with a coffee break around 15.00 hrs.

Wednesday 17 April

THEORETICAL SEMINAR

at 14.00 hrs - Theory Conference Room

Consistent Chiral Anomalies in $N = 1$ Supersymmetric Yang-Mills Theories

by L. BONORA / Univ. Padova

The consistent chiral anomaly in supersymmetric Yang-Mills theories is obtained by means of cohomological methods as a couple of the cocycles of the operators which generate the gauge and rigid supersymmetry transformations. It is shown that they are related by a local non-polynomial functional of the prepotential V . As a consequence we can construct a super-symmetric invariant consistent form of the gauge anomaly. We give an explicit compact expression of the latter.

Mercredi 17 avril

REUNION OUVERTE DU LEP

à 14.30 hrs - Auditorium du LEP
(dernier étage du bâtiment 30)

1. Annonces et réponses aux questions.
2. Le programme d'installation autour du Point 1, présenté par G. Bachy et G. Chevallier.

Les installations au Point 1 du LEP viennent de commencer. La présentation concerne les travaux en surface et le puits machine PM 15.

Wednesday 17 April

ISOLDE SEMINAR

at 16.00 hrs - Council Chamber

A New Relativistic Generation of Electron g-2 Measurements

by G. GABRIELSE / Univ. of Washington, Seattle, USA

Precision measurements of electron and positron magnetic moments at the University of Washington are the most precise measurements of the properties of an elementary particle. Efforts are now underway to improve the precision in the measured moments by using relativistic couplings to detect the cyclotron and spin motions of a single trapped particle. The deliberate distortion of the magnetic field used previously can therefore be eliminated and the linewidth of the resonance lines is correspondingly reduced. The cyclotron motion of a single electron with kinetic energies as low as 10 milli-eV and as high as 10 eV has been observed via the relativistic mass shift. In fact, the best signal-to-noise ratio ever observed with a single trapped particle has been observed with the one-particle, relativistic synchrocyclotron. We are within a factor of 2 of resolving the lowest quantum states of the cyclotron oscillator using special relativity.

SEMINAIRES EF DU PRINTEMPS 1985

Ce printemps, la division EF organise une nouvelle série de séminaires.

Programme préliminaire :

15 avril	Micro detectors and micro electronics by Erik HEIJNE / CERN
29 avril	Survey of the experiments at LEAR by W. DAHME / University of Munich
6 mai	The physics at LEP by D. TREILLE / CERN
13 mai	The four detectors at LEP Speaker to be announced
20 mai	The jet chamber of OPAL by R.D. HEUER / CERN
3 juin	The SPS – recent performance and future use by W.C. MIDDELKOOP / CERN
10 juin	Search for gravitational waves by E. AMALDI / University of Rome
17 juin	Personal computers in physics environment. Why and for what ? by P. GAVILLET / CERN

Les séminaires auront lieu le lundi de 11.00 h à 12.00 h dans la Salle de Conférence EF, bât. 13, 2-005.

EF SPRING SEMINARS 1985

EF Division is organizing a new series of seminars to take place this spring.

Preliminary programme :

15 April
29 April
6 May
13 May
20 May
3 June
10 June
17 June

The seminars will take place on Mondays from 11.00 hrs to 12.00 hrs in the EF Conference Room, bldg. 13, 2-005.

Tuesday 23 April

PRESENTATION

at 09.30 hrs - DD Auditorium
(bldg.31 - 3rd floor)

The ORACLE Database Management System

by Bo RYDEN / President, Oracle Corp. Europe

Wednesday 24 April

LEP SEMINAR

at 14.30 hrs - LEP Auditorium
(Bldg.30 - 7th floor)

Logistique et informatique

by C. GENIER / CERN-LEP

La logistique d'installation du LEP s'appuie sur une base de données créée dans le SGBD ORACLE. La structure de cette base de données, les systèmes d'accès aux tables et les programmes d'application pour l'optimisation des transports seront décrits en détail. Les moyens informatiques qui seront utilisés pour le suivi de l'avancement des installations seront également exposés.