

Ainsi, M. Guy MAURIN est ré-élu membre titulaire du Comité des Pensions de la Caisse d'Assurances; son mandat est d'une durée de trois ans.

M^{lle} Florence RANJARD est ré-élue membre suppléant dudit Comité; son mandat est d'une durée de trois ans. elle pourvoit le poste de suppléant de M. Maurin.

SERVICE RESTREINT DES RESTAURANTS LE WEEK-END DE L'ASCENSION

Le jeudi 16 mai 1985 (Ascension) les restaurants et cafétérias du CERN seront fermés, à l'exception d'un service restreint au Restaurant n° 2 (Tortella - Bâtiment 504) de 07h30 à 20h00 (restauration chaude de 11h30 à 14h00 et de 18h00 à 19h30).

Pour des raisons techniques le Restaurant n° 1 (Coop - Bâtiment 501), ainsi que le bar, seront **fermés le jeudi 16 et le vendredi 17 mai 1985**. Les Restaurants n°s 2 et 3, le kiosque et les cafétérias de divisions fonctionneront normalement.

Réouverture du Restaurant n° 1 le **samedi 18 mai 1985 à 08h00**.

Service de liaison des Restaurants
Tél : 3557/3189

SEMINARS SEMINAIRES

Monday 13 May

EF SEMINAR

This seminar, scheduled for 29 April, has been rearranged for 13 May, and replaces the seminar originally announced.

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

Survey of the experiments at LEAR

by W. DAHME / University of Munich

The high quality and intensity of beams of low energetic antiprotons available from LEAR have attracted 17 experiments currently taking data. They address a wide variety of questions in the domain of nuclear and particle physics. Some use the antiproton to replace an electron in the atom to study the strong interaction between nucleons and nuclei. Similarly nuclei are directly excited by antiprotons. The more elementary antinucleon nucleon interaction is studied by elastic and inelastic scattering and polarisation measurements. Searches for hypothetical baryon resonances claimed in earlier experiments could not confirm such claims so far. Information on the quark quark interaction is obtained by measuring the spectrum of mesons produced in the annihilation process. Such experiments have been started more than 20 years ago in bubble chambers but only the high interaction rates available at LEAR allow a thorough classification of the many meson resonances produced. This may in turn reveal exotic states containing gluons as allowed by QCD but not observed so far.

Thus, Mr. Guy MAURIN is re-elected member of the Pensions Board for three years.

Miss Florence RANJARD is re-elected alternate member of the Board, for three years. She fills the post of alternate to Mr. Maurin.

LIMITED RESTAURANT SERVICE AT ASCENSION WEEK-END

On Thursday 16 May 1985 (Ascension Day), the CERN restaurants and cafeterias will be closed, except for a limited service at Restaurant No. 2 (Tortella - Building 504) from 07.30 to 20.00 hrs, with hot meals available from 11.30 to 14.00 hrs and from 18.00 to 19.30 hrs.

For technical reasons, Restaurant No 1 (Co-op - Building 501), together with the bar, will be **closed on Thursday 16 and Friday 17 May 1985**. Restaurants Nos. 2 and 3, the kiosk and the cafeterias in Divisions will operate normally.

Services will begin again in Restaurant No. 1 on **Saturday 18 May 1985 at 08.00 hrs**.

Restaurant Liaison Service
Tel : 3557/3189

Tuesday 14 May

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium*

Recent results from MARK J on electron-positron annihilation into two muons and into one muon plus hadrons

by Albrecht BÖHM / III. Phy. Institut RWTH Aachen

Recent results of the MARK J experiment from the high energy running up to 46.78 GeV at PETRA are presented. The measurements of electron-positron annihilation into two muons lead to a tight contour in the mixing angle / Z^0 mass plane. This result is compared to the measurements from UA1 and UA2. A study of annihilation into one muon plus hadrons is performed in order to determine the fragmentation functions and semileptonic branching ratios of heavy quarks and to search for the top quark. At energies larger than 46.3 GeV 8 unexplained events are observed, which are characterized by a broad energy flow and an isolated muon.

* Tea and coffee will be served at 16.00 hrs.

Wednesday 15 May

THEORETICAL SEMINAR

at 14.00 hrs - TH Conference Room

Anomalies in the supercurrent

by P.C. WEST / CERN

It is shown that the four-dimensional extended rigid theories of supersymmetry do not possess anomalies in their supercurrents. Methods of regulating supersymmetric theories, in particular the higher derivative method, are discussed. Supersymmetry anomalies are shown to occur in the two dimensions. The superpartners of these anomalies are given.

Mercredi 15 mai

REUNION OUVERTE DU LEP

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

1. Annonce et réponses aux questions

2. L'expérience OPAL

par A. Smith

Une description de cette expérience, de son installation dans le LEP et une comparaison avec les autres expériences LEP seront présentées.

Friday 17 May

EXPERT SYSTEMS SEMINAR

à 14.00 hrs – DD Amphitheatre
(bldg. 31, 3-005)

Tektronix implementation of SMALLTALK-80

by Dr. ALEXANDER / Tektronix Computer
Research Laboratory

Smalltalk is proving to be an important tool for application and prototype development. Smalltalk, both a language and an environment, is conducive to the exploration and development of computer applications. The language is object-oriented, programming involves the creation of short self-contained methods for altering objects within the system. These methods are easily refined as understanding of the application increases. Also, the environment provides extensive support for program development. Objects exist within a class hierarchy which allows a programmer to borrow and refine existing code for use in new applications. Smalltalk has specialized windows that allow the user to examine and modify existing code, examine and alter data structures, or interrupt and examine computations. The benefits of using Smalltalk are discussed and related to a number of projects currently under development at Tektronix.

Monday 20 May

EF SEMINAR

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

The jet chamber of OPAL

by R. HEUER / CERN

The jet chamber of the OPAL experiment is a large (4 m diameter and length) pictorial driftchamber which measures space coordinates and energy loss of charged particles simultaneously. The mechanical design of this chamber as well as the readout electronics (based on 100 MHz FADCs) will be described. Results obtained with various testchambers will be presented.

Monday 20 May

PRESENTATION

à 14.00 h – DD Amphitheatre
(bldg. 31, 3-005)

MicroVAX presentation

by Marc ZAVADIL / Digital Equipment
Headquarters

Mercredi 22 mai

SEMINAIRE LEP

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

Application des techniques digitales à l'instrumentation du système vide du LEP

par P. STRUBIN / CERN-LEP

L'instrumentation des systèmes à vide et ultra-vide est traditionnellement basée sur des techniques analogiques. Les composants modernes, en particulier les microprocesseurs, permettent de concevoir des instruments à la fois plus versatiles et surtout capables de présenter des résultats plus élaborés sur les grandeurs physiques mesurées. Un bref historique de l'introduction de ces techniques dans les instruments utilisés au CERN sera suivi de la description plus détaillée des appareils destinés à la machine LEP.

MEETING ON

'Gas systems for large experiments'

It is proposed to hold a meeting on this subject at CERN, on **13 June p.m. and 14 June a.m.** People interested can receive more information by contacting F. BONAUDI/EF, or R.C. BROWN/EF.

The detailed programme will be published later.

TRAINING AND EDUCATION ENSEIGNEMENT

Mardi 14 mai

LES SCIENCES AUJOURD'HUI

à 20.00 hrs précises – Auditorium
(jusqu'à environ 22.00 hrs)

par R. CARRERAS

Rafel Carreras, responsable du programme d'Enseignement général au CERN, commentera et expliquera un choix d'articles parus récemment dans des revues scientifiques, et qui couvrent l'ensemble des sciences physiques et biologiques ainsi que certains aspects des relations science-société.

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

Entrée libre

(Please note that the conference will be given in FRENCH.)

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