

COMMUNICATIONS **OFFICIELLES**

Les membres du personnel sont censés avoir pris connaissance des communications officielles ci-après. La reproduction même partielle de ces informations par des personnes ou des institutions externes à l'Organisation exige l'approbation préalable de la Direction du CERN.

REUNION AVEC L'ENSEMBLE DU PERSONNEL

J'aimerais inviter tous les membres du personnel du CERN à une réunion,

le lundi 29 avril à 11.00 h, dans l'Amphithéâtre,

au cours de laquelle je présenterai la situation actuelle et future, tant en ce qui concerne le programme scientifique que les problèmes du personnel.

L'exposé sera retransmis en circuit fermé de télévision dans la Salle du Conseil et dans les amphithéâtres du LEP et du SPS.

Seuls les membres du personnel du CERN sont invités à cette réunion.

Herwig Schopper
Directeur général

SERVICE RESTREINT DES RESTAURANTS LE 1er MAI

Le mercredi 1er mai 1985 étant jour férié pour l'Organisation, les restaurants et cafétérias du CERN seront fermés.

Un service restreint sera cependant assuré au Restaurant no 1 (Coop, bâtiment 501) de 07.00 à 22.00 h (restauration chaude de 11.30 à 14.00 h et de 18.00 à 19.30 h).

Service de liaison des Restaurants
Tél. 3207, 3189

OFFICIAL NEWS

Members of the personnel shall be deemed to have taken note of the news under this heading.

Reproduction of all or part of this information by persons or institutions external to the Organization requires the prior approval of the CERN management.

GENERAL STAFF MEETING

I would like to invite all members of the CERN personnel to a meeting on

Monday 29 April at 11.00 hrs in the Main Auditorium

when I shall give a report on the present and future situation both concerning the scientific programme and staff matters.

Closed-circuit television transmission of the meeting will be available in the Council Chamber, and in the LEP and SPS Auditoria.

Only members of the CERN Personnel are invited to this meeting.

Herwig Schopper
Director-General

LIMITED RESTAURANT SERVICE ON 1 MAY

As Wednesday 1 May 1985 is a CERN holiday, the restaurants and cafeterias will be closed.

A limited service will, however, be provided at Restaurant No. 1 (Co-op, building 501) from 07.00 to 22.00 hrs (hot meals served from 11.30 to 14.00 hrs and from 18.00 to 19.30 hrs).

Restaurant Liaison Service
Tel. 3207, 3189

SEMINARS **SEMINAIRES**

Lundi 29 avril

PRESENTATION TECHNIQUE

de 09.00 à 18.00 h – Novotel, Ferney-Voltaire

RACAL-DANA INSTRUMENTS SA (D, F, GB, USA) propose en exposition / démonstration

- 1. Electronique générale : multimètres numériques, compteurs et fréquencemètres, générateurs de fonctions, d'impulsions, alimentations stabilisées, ponts d'impédance, amplificateurs BF.*
- 2. Systèmes BUS-IEEE : instrumentation générale, commutateur universel, analyseurs logiques, programmeurs de PROMS, analyseur de BUS-IEEE.*

- 3. Enregistreurs magnétiques de mesures (4 à 42 pistes), de communications*
- 4. Etalons de fréquence : rubidium et maser*
- 5. Mesures en VHF : générateurs synthétisés, fréquencemètres, modulomètres, millivoltmètres et wattmètres, bancs de contrôle, analyseurs de spectre.*
- 6. Hyperfréquences : compteurs et vobulateurs.*

Langues : français, anglais

Renseignements : M. Diraison / FI/4585

Monday 29 April

EF SEMINAR

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.

Mardi 30 avril

PRESENTATION TECHNIQUE

de 09.00 à 11.15 h - PREVESSIN, parking
bât. 867

de 11.45 à 15.00 h - MEYRIN, parking bât. 63
(PTT)

KNÜRR AG (CH), représentant Hans Knürr KG - Mechanik für die Elektronik (D), propose en exposition / démonstration : armoires aluminium 19'', armoires acier 19'', armoires 25'' avec cadre pivotant 19'', armoires réfrigérées 19'', échangeurs de chaleur air/air, eau/air, coffrets 19'' en aluminium ou acier, places de travail et de laboratoire 19'', places de travail pour PC, pupîtres 19'', tiroirs et châssis à cartes 19'', boîtiers et pupîtres de table, tiroirs de ventilation 19'', chariots de laboratoire, outillage et coffrets de transport pour l'électronique, réglettes à prises, boîtiers pour terminaux, floppy et claviers, agencement mobilier pour salles d'ordinateurs (D). RANK DESIGN : pupîtres et constructions en profilés aluminium selon les spécifications du client (CH). ZERO CORPORATION : boîtiers en aluminium embouti, coffres et valises de transport (USA). PAC TEC : petits boîtiers en plastique (USA). ELDON : armoires et coffrets muraux en acier pour courant fort (S).

Langues : allemand, français

Renseignements : M. Diraison / FI/4585

Tuesday 30 April

PRESENTATION

at 14.00 hrs - DD Amphitheatre (bldg. 31, 3rd fl.)

IBM Personal Computer Engineering and Scientific Series

T. HEALD / IBM

The IBM Personal Computer Engineering and Scientific Series (IBM PC E/S Series) marks the entrance of the IBM PC to the market of the engineers and scientists. The announcement consists of the following hardware and software options for the existing PC, PPC, PC XT and PC AT :

The hardware :

IBM PC Professional Graphics Controller

IBM PC Professional Graphics Display

IBM PC Data Acquisition and Control Adapter (DACA)

IBM PC Data Acquisition and Control Adapter

Distribution Panel

IBM PC General Purpose Interface Bus Adapter (GPIBA)

The software :

IBM PC Graphical Kernel System

IBM PC Graphical File System

IBM PC Plotting System

IBM PC Graphics Terminal Emulation

IBM PC Graphics Development Tool Kit

IBM PC Professional Fortran

IBM PC DACA Programming Support

IBM PC GPIBA Programming Support

Tuesday 30 April

CERN COLLOQUIUM*

at 16.30 hrs - Auditorium

Recent advances in chronobiology and chronobiotechnology : applications for shift workers and for world travelers

by Charles F. EHRET / Division of Biological and Medical Research, Argonne National Laboratory

*The circadian biological clock accounts for a variety of daily rhythmic behaviors in higher organisms including man. Time maps of these rhythms and concomitant oscillations at the molecular level provide an astonishingly variable analogue of the phenotype called the **chronotype**. From the chronotype one may predict a number of clock synchronizers that include foods, drugs and hormones. Experiments that test these predictions with meals, methylxanthines, barbiturates, and glucocorticoids, and that show the chronobiotic action of each of these will be discussed. Protocols now widely used to minimize the circadian-phase-disruptive effects of transmeridional travel ('jet lag'), of shift work, and of chronobiotically active drugs will also be considered.*

* Tea and coffee will be provided at 16.00 hrs.

Jeudi 2 mai

PRESENTATION TECHNIQUE

de 09.00 à 12.00 h - Parking PTT, près du bât. 63

BESTOBELL MOBREY GmbH (D), représenté par BESTOBELL MOBREY AG (CH), propose en exposition / démonstration des instruments de mesure de niveau, de débit, de densité et d'analyse de fluides.

Langues : français, anglais, allemand

Renseignements : M. Diraison / FI/4585

Lundi 6 mai

EF SEMINAR

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

The physics at LEP

by D. TREILLE / CERN

The main lines of physics foreseen at LEP will be considered. We will discuss the study of various decay modes of the Z_0 , Higgs searches, toponium physics and the high energy phase. The underlying theories will be briefly described. The experimental requirements to achieve such a program will be examined.

Monday 6 May

CERN COLLOQUIUM

A TRIBUTE TO NIELS BOHR ON THE 100th ANNIVERSARY OF HIS BIRTHDAY

at 14.30 hrs – Auditorium*

Opening address

by Professor H. SCHOPPER / CERN-DG

Niels Bohr and the development of physics

by Professor A. PAIS / Rockefeller University

Niels Bohr and the creation of CERN

by Professor L. Van Hove / CERN

* Participants are cordially invited to a buffet in the COOP Cafeteria which will close this meeting.

Tuesday 7 May

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

Search for the decay $\mu^+ \rightarrow e^+ e^+ e^-$

by H.-Ch. WALTER / Institut für Mittelenergiephysik, Villigen

Wednesday 8 May

LEP SEMINAR

at 14.30 hrs – LEP Auditorium (bldg 30, 7th fl.)

Relative luminosity monitors for LEP operation

by G. von HOLTEY / CERN-LEP

WORKSHOP ON

'PHYSICS IN THE 90'S AT THE SPS COLLIDER'
Zinal, 17-19 June 1985

At the Cogne III meeting of the SPS Committee in September 1984 the general guidelines for long term planning of the research at the SPS collider were discussed.

The experimental programme is essentially defined until 1989 following the first two years of operation of the new accumulator ACOL which provides a luminosity increase of about one order of magnitude. Upgrading the two detectors UA1 and UA2 in view of running with ACOL has already been approved. These technical improvements may hopefully lead to new exciting discoveries

after the successful search for the $W^\pm$ and Z^0 particles.

At the same time, however, the Tevatron collider at FNAL will start running with the general purpose CDF detector and after a few years the second detector DO will also be operational. This makes difficult any assessment of the collider programme for the 90's, and the SPSC felt it would be useful to have a Workshop to :

- review the physics perspectives
- discuss the potentialities of the SPS collider in view of the simultaneous operation of the Tevatron, LEP and HERA
- evaluate the need for a new detector against the approach of continuously upgrading the present detectors
- evaluate new technologies, which may influence future design.

It is clear that a large amount of work on the physics and on the techniques has to be done before the Workshop, its limited time being most efficiently used for collecting together the gathered information, confronting ideas and draw conclusions. Therefore three groups on physics subjects and a detector group have already been formed. These study groups and their respective conveners are :

1. Standard model ($W^\pm$, Z^0 , top quark) :
P. Minkowski, K. Winter
2. QCD : S. Ellis, W. Scott
3. New particles (Higgs, SUSY, ?) :
M. Albrow, D. Nanopoulos
4. Detector design :
L. Di Lella, J. Kirkby

Interested physicists should contact the conveners of the groups.

G. Matthiae will act as the convener of this Workshop.

Attendance will be limited to those willing to take an active part in the work of the study groups (about 100 attendees).

Correspondence

Apart from information concerning individual study groups, which, as indicated above should be addressed to the convener concerned, all correspondence concerning the Workshop should be addressed to :

Mme M. BUDEL / EF, tel. 4270.

TRAINING AND

EDUCATION

ENSEIGNEMENT

ENSEIGNEMENT GENERAL

Tél. 2844

Jeudi 2 mai

de 13.00 h à 13.30 h – Amphithéâtre

Science pour tous

par R. CARRERAS