

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.

COMMISSION PARITAIRE CONSULTATIVE DES RECOURS

La Commission Paritaire Consultative des Recours s'est réunie pour examiner l'appel introduit par Monsieur A. VINCENT à propos de la Circulaire Administrative N 22 (Bonifications d'Annuités à la Caisse des Pensions en cas de Travail par Roulement).

La Commission a terminé ses travaux et a soumis ses recommandations au Directeur général. Conformément à l'Article R VI 1.10 du Règlement du Personnel, ces recommandations et les décisions définitives du Directeur général sont à porter à la connaissance du personnel.

Pour ce faire, ces documents seront affichés aux tableaux du Bâtiment de l'Administration du **27 Janvier au 14 Février inclus**.

Division PE
Tél. 2855

ENTREES DU CERN *RAPPEL*

Vous avez constaté que les gardiens effectuent régulièrement des contrôles aux entrées du CERN.

Il s'agit, en fait, d'un système de contrôle par sondage qui entre dans le cadre des mesures habituelles dans tout Laboratoire ou Organisation internationale et qui vise à protéger les personnes et les biens appartenant à l'Organisation.

Les gardiens portent une attestation de l'Organisation les autorisant à procéder, dans l'exercice de leurs fonctions, à ces contrôles. En général, il peuvent regarder le contenu de vos véhicules et, de temps en temps, vous demander de décliner votre identité. Pour faciliter ce travail, il suffit d'être en possession d'un document d'identité et d'une vignette de voiture CERN.

Groupe Réception
Tél. 2152

SEMINARS SEMINAIRES

Mardi 28 janvier

PRESENTATION TECHNIQUE

de 09.30 à 12.00 h – Amphithéâtre DD
bât. 31, 3-005

Les Etablissements R. HEINEN SA (B) proposent une conférence sur la 'Protection incendie dans les bâtiments':

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.

JOINT ADVISORY APPEALS BOARD

A meeting of the Joint Advisory Appeals Board has been held to examine the appeal lodged by Mr. A. VINCENT regarding Administrative Circular No 22 (Award of additional Periods of Membership in the Pension Fund to Shift Workers).

The Board has completed its study and submitted its recommendations to the Director-General. Article R VI 1.10 of the Staff Regulations specifies that these recommendations and the final decisions of the Director-General must be brought to the notice of the personnel.

The relevant documents will therefore be posted on the notice boards of the Administration Building from **27 January to 14 February included**.

PE Division
Tel. 2855

CERN ENTRANCES *REMINDER*

You will have noted that regular checks are being made by the guards at the CERN entrances.

The aim of these spot-checks, which are in line with customary practices at all laboratories and international organizations, is to protect persons and property belonging to the Organization.

The guards wear identity badges issued by the Organization, authorizing them to carry out these checks in the performance of their duties. In general, they may inspect the contents of your vehicle and occasionally ask you to state your identity. The possession of an identity document and a CERN car vignette will facilitate this work.

Reception Group
Tel. 2152

1. *Présentation de la Société.*
2. *Définition de protection par une approche technico-économique du 'fléau incendie'.*
3. *Définition et classement des grandeurs caractéristiques appelées 'niveau technique' des différents matériels intervenant dans la protection incendie.*
4. *Etude du 'niveau technique' du compartimentage par les points faibles de celui-ci.*
5. *Les solutions aux points faibles du compartimentage avec leur 'niveau technique'*
 - choix d'une méthodologie d'essai de résistance au feu en corrélation avec la réalité des incendies
 - les éléments ouvrants, portes coupe-feu, etc.

- les éléments spéciaux coupe-feu
- engineering special : cloisons complètes des galeries à câbles et tuyaux - cloisonnement anti-feu et anti-explosion.

Langue : français

Renseignements : M. Diraison / FI / 4585

Tuesday 28 January

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium*

Measurement of prompt neutrino fluxes in the BEBC beam dump experiment

by K. HULTQVIST / University of Stockholm

400 GeV protons were dumped alternately into two copper blocks of different density. The interactions of neutrinos emerging from the dumps were recorded using BEBC and a system of wire chambers, some 400 metres downstream. The prompt neutrino fluxes were measured, and used to check electron muon universality, and derive the cross-sections for charmed particle production in proton-copper collisions. Limits on tau- neutrino and gluino production and lepton mixing parameters are also presented.

* Tea and coffee will be provided at 16.00 hrs.

Wednesday 29 January

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

Dynamical symmetry breaking in a monopole condensate

by V. BALUNI / CERN

The dynamical breaking of both global and local symmetries of $SU(N)$ gauge theories in the dilute condensate of smooth Wu-Yang monopoles is studied. The condensate is endowed by a linear confinement via the Coulomb interaction of monopoles and ensuing Debye screening of the magnetic field. Two classes of theories with chirally symmetric and asymmetric fermion contents are analyzed. The QCD-type theories with an equal number of N and N^* Weyl fermions are in the first class which is shown to possess a broken global symmetry of the standard pattern. On the other hand $SU(N)$ theories of the second class are found to undergo a local symmetry breaking, e.g., $SU(N) \rightarrow SU(N-1)$ for $N(N-1)/2$ and N^* Weyl fermions. The analysis is based on the gap equation established in the low monopole density approximation.

Wednesday 29 January

LEP SEMINAR

at 14.30 hrs – LEP Auditorium
bldg 30, 7th floor

Low power electronics for the LEP RF system

by K. E. PESCHARDT / CERN-LEP

The LEP RF system is constructed from modules, called RF units. Each unit consists of 16 cavity assemblies, 2 klystrons and the associated electronics. The RF units are synchronized with a reference which is transmitted

from the LEP control center over a monomode optical fibre cable, in each RF unit the cavity voltage is controlled with phase and voltage loops and auxiliary frequencies are generated from the RF reference. The talk presents the RF distribution system with the phase feedback which compensates for delay variations in the optical fibres, the klystron frequency generation system, the voltage control system and the klystron phase loop. A high-precision timing system which selects the RF buckets for injection and accumulation is described. Finally results from test runs of a complete RF unit are presented.

Monday 3 February

PROTON SYNCHROTRON AND SYNCHRO-CYCLOTRON COMMITTEE

Open session

at 14.00 hrs – Council Chamber

1. Proposal : A measurement of the gravitational acceleration of the antiproton (Case Western Reserve Univ. - CERN-Genova-Kent-Los Alamos-NASA / Ames Research Centre-Pisa-Rice-Texas; PSCC/86-2 P94; 86-3/S94 M.V. Hynes).
2. Proposal : Study of antinucleon annihilations at LEAR with OBELIX, a large acceptance and high resolution detector, based on the open axial field spectrometer (OBELIX collaboration; PSCC/86-4/P95; 86-5/S95; U. Gastaldi).

Closed session

at 16.30 hrs, Salle B, continuing on Tuesday 4 February, at 09.00 hrs, 6th floor Conference Room.

Monday 3 February

EP SEMINAR

at 16.30 hrs – Auditorium

The sigma-lambda transition magnetic moment

by Priscilla PETERSEN / CERN-EP

A presentation of the results of a Fermilab experiment to measure the neutral sigma-lambda transition magnetic moment using the Primakoff effect. A sample of 5×10^5 lambda-gamma events were analyzed for 3 different target materials to yield a total of 2028 ± 139 Coulomb-produced neutral sigmas. A least-squares fit of the experimental Primakoff cross-sections yielded a magnetic moment of $|1.59 \pm 0.05 \pm 0.05|$ or a neutral sigma lifetime of $|0.76 \pm 0.05 \pm 0.05| \times 10^{-19}$ sec.

Tuesday 4 February

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

Is there a new force coupling to hypercharge?

by S. ARONSON / Brookhaven

Wednesday 5 February

LEP SEMINAR

at 14.30 hrs – LEP Auditorium
bldg 30, 7th floor

**Fire detection and protection system for
underground areas of LEP**

by A. DAVIS / CERN-LEP

Wednesday 5 February

ISOLDE SEMINAR

at 16.30 hrs – TH Conference Room

**Neutrino mass measurement by cooled tritium
source at INS**

by H. KAWAKAMI / Institute for Nuclear
Study, Tokyo

Friday 7 February

CAS ACCELERATOR SEMINAR

at 14.30 hrs – LEP Auditorium
bldg 30, 7th floor

**Beam dynamics in an e^+e^- storage ring :
puzzling observations at CESR**

by R. LITTAUER / Cornell University

INFORMATIONS

GENERALES

GENERAL INFORMATION

REINTEGRATION – Sécurité sociale française

La prochaine permanence de la Sécurité sociale
française aura lieu

**jeudi 6 février de 13.30 h à 15.30 h
salle de conf. n° 2, Dépt. PE, bât. 5, 1^{er} étage.**

Les personnes intéressées sont priées de prendre ren-
dez-vous en téléphonant au Secrétariat de la Section des
Affaires sociales (tél. 4201).

Section des Affaires sociales
Département du Personnel

TRAINING AND

EDUCATION

ENSEIGNEMENT

ENSEIGNEMENT GENERAL

Tél. 2844

Jeudi 30 janvier

de 13.00 h à 13.30 h – Amphithéâtre

Science pour tous

par R. CARRERAS

ACADEMIC TRAINING

Tel. 2844-3364

February 3, 4, 5, 6, 7

11.00 to 12.00 hrs - Auditorium

**Novel computer architectures
(data flow, reduction, inference and logic
machines)**

by C. HALATSIS / University of Thessaloniki
and CERN

*Advances in VLSI technology have stimulated interest in the development of new computer architectures based on non-von Neumann models of computations and supporting unconventional high level languages. **Data flow, reduction and logic** are the three main concepts around which present efforts are centred. This series of lectures will present the basic principles of these concepts and will discuss the architectural and programming issues involved. The main developments in each of the three areas are to be presented, including a short account on their present status.*

RAPPEL

AVIS DE RECHERCHE

Le Service Réception recherche un colis livré par er-
reur sur le SPS, marque CEFILAC, contenant 48 joints
en aluminium; poids : 4,200 kg.

La personne qui aurait reçu ce colis par erreur
est priée de prendre **contact de toute urgence avec
M. Bonzon, tél. 5657.**

Merci.