

COMMUNICATIONS **OFFICIELLES**

Les membres du personnel sont censés avoir pris connaissance des communications officielles ci-après.

OFFICIAL NEWS

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

RÉUNION AVEC L'ENSEMBLE DU PERSONNEL

J'aimerais inviter tous les membres du personnel du CERN à une réunion, le **lundi 15 novembre 1982 à 10.30 h** dans l'amphithéâtre, au cours de laquelle je donnerai un rapport sur la situation actuelle et sur les futures activités.

L'interprétation simultanée en anglais sera assurée dans l'amphithéâtre; l'exposé sera retransmis en circuit fermé de télévision, sans interprétation, dans les amphithéâtres des ISR et du SPS.

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

Herwig Schopper
Directeur général

GENERAL STAFF MEETING

I should like to invite all members of the CERN personnel to a meeting on **Monday 15 November 1982 at 10.30 hours** in the Main Auditorium when I shall give a report on the present situation and future activities.

Simultaneous interpretation will be available in English in the Auditorium and closed-circuit television transmission of the meeting, without interpretation, will be available in the ISR and SPS Auditoriums.

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

Herwig Schopper
Director-General

SEMINARS **SEMINAIRES**

Monday 15 November

EF SEMINAR

at 11.00 hrs - EF Conf. Room, bldg. 13, 2-005

Liquid argon shower detectors at PETRA

by W. WALLRAF / Aachen-TASSO

Discussion of the present state of performance of liquid argon shower detectors which is in operation at PETRA.

ISR SEMINAR

at 14.30 hrs - ISR Auditorium
(top floor of Bldg. 30)

Particle acceleration by wakefields at ultrahigh gradients

by T. WEILAND / DESY

Wednesday 17 November

INTERSECTING STORAGE RINGS COMMITTEE

at 09.30 hrs - Council Chamber

OPEN SESSION

1. Status report from Experiment R 210; Precise Measurement of the proton-antiproton Total Cross-section in the ISR Energy Range.

2. Status report from Experiment R 211; Measurement of Antiproton-proton Small Angle Scattering and Total Cross-section at the ISR; C. Leroy.

3. Status report from Experiment R 501; Search for Magnetic Monopoles at the ISR; M. Price.

CLOSED SESSION

at 11.30 in the 6th floor Conf. Room of the Admin. Bldg.

Mercredi 17 novembre

PRÉSENTATION TECHNIQUE

de 10.00 h à 16.00 h - bât. 17, salle 1-007

GOULD ELEKTRONIK AG (CH), représentant Gould Instruments (F, UK, USA), propose en démonstration : **Instrumentation** : oscilloscopes, 20 MHz-100 MHz, à mémoire numérique, 'intelligent' 100 MHz, à mémoire numérique - générateurs BF, d'impulsions, de signaux - analyseurs logiques. **Enregistreurs graphiques** : multipistes Yt, traceurs XY analogiques et numériques, DEM Yt et XY, potentiométriques, préampli universels, enregistreurs magnétiques portables. **Alimentations stabilisées** découpage, à régulation série, DEM, open-frame, modulaires. **Stabilisateurs et filtres de réseau, onduleurs statiques** transformateurs d'isolation, à tension constante, correcteurs électronique de ligne, alimentations ininterrompibles.

Langues : anglais, français

Renseignements : M. Diraison / FI / 4585

Wednesday 17 November

PS SEMINAR

at 11.00 hrs - PS Auditorium, bldg. 6, 2-024

Light ions in the PS

by H. HASEROTH / CERN-PS

Light ions have already a long history at CERN. The first deuterons had been accelerated in the CERN 50 MeV Linac back in 1964. Later on they were injected and accelerated in the PS and transferred and stacked in the ISR. Studies were made several times to investigate the possibilities to accelerate heavier masses but only alpha-particles were finally used in the PS and ISR. The growing interest of the physics community in (light) ions was made evident with a letter of intent to the PSCC in 1980. At that moment it was decided to have a new look to what might be possible with the CERN machines. This talk will give an overview of what has been done at CERN, the technological complications and what might be possible in the future.

THEORETICAL SEMINAR

at 14.00 hrs - TH Conf. Room

Bounds on stable motion

by I. PERCIVAL / Queen Mary College, London

The motion of dynamical systems, such as particles in fields, can be ordered and controllable or chaotic and troublesome. The KAM theorem gives a lower bound on the ordered motion that is numerically useless. A strict and useful upper bound on rotational ordered motion is presented.

DD SEMINAR

at 16.00 hrs - DD Auditorium, bldg. 31, third fl.

A small SMALLTALK talk

by D. MYERS

The SMALLTALK project is of special interest because its aim has been to provide a complete environment (operating system, language, run time system) have a very high level user interface. As the number suggests, the intention was to use less talking (i.e. character i/o) and to try to substitute graphics wherever possible. Although these ideas are now fashionable, the SMALLTALK team have had almost a 10 year start. In a 'small talk' it is not possible to do full justice to a project of this magnitude. Therefore the aim will be to give an overview, plus more details of the user-computer interaction which everyone is now trying to emulate.

Thursday 18 November

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

First results from the Mont-Blanc experiment on nucleon stability

by Ettore FIORINI / Milan Univ.

The results obtained in the first four months of operation of the Mont-Blanc experiment on nucleon stability

are reported. The set-up consists of a 150 ton calorimeter made of 134 horizontal iron plates interleaved with planes of limited streamer tubes. Four fully contained events have been observed. While three of them can easily be interpreted as neutrino interaction, the fourth one is compatible with a proton decay. This and other interpretations are discussed

*Tea and coffee will be provided at 16.00 hrs.

Monday 22 November

EF SEMINAR

at 11.00 hrs - EF Conf. Room, bldg. 13, 2-005

The high density avalanche chamber for positron imaging

by A. JEAUVONS / CERN-EP

Tuesday 23 November

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

Search for neutron - antineutron transitions

by G. FIDECARO / CERN

Thursday 25 November

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

Study of charmed particles photoproduced in nuclear emulsions coupled to the Omega spectrometer

by G. DIAMBRINI-PALAZZI / Rome Univ. and INFN, Rome

TRAINING AND

EDUCATION

ENSEIGNEMENT

ACADEMIC TRAINING

Tel. 2844

Tuesday 16 November and Wednesday 17 November

Particle detectors -

lectures 3 and 4 in a series of 8

from 11.00 hrs to 12.00 hrs - Auditorium

Calorimeters

by O. ULLALAND / CERN-EF

Calorimeters are used to measure the position and the energy of a particle through absorption in the detector. This enables a discrimination between particles which interact electromagnetically, strongly or weakly with the detector. The aim of detector research over the last years