

Le CERN étudie le principe de cette taxe avec la Mission permanente de la Suisse et les autorités cantonales et tout nouveau développement sera annoncé dans le Bulletin hebdomadaire. Entre temps, la taxe scolaire est remboursable à 75% conformément aux Statut et Règlement du Personnel, Annexe RA 9.01 b.

Département PE
Int. 3238

SIMPLIFICATION DES APPELS TELEPHONIQUES A LA REGION FRONTALIERE FRANCAISE

LE 10 MARS 1984 la procédure pour appeler, des téléphones internes du CERN, la région frontalière française, deviendra plus simple.

La nouvelle procédure sera la suivante :

- * composer le '9' (**ne pas** composer le '0' en premier lieu);
- * attendre la tonalité continue;
- * composer le numéro voulu de la région frontalière française (**ne pas** composer le '023' en premier lieu).

La procédure actuelle, décrite à la page IV de la liste téléphonique du CERN, devra être utilisée jusqu'au 10 mars 1984.

Veuillez noter que 'la région frontalière française' désigne la région pour laquelle il est actuellement nécessaire de composer l'indicatif '023'. Les appels destinés aux autres régions de France devront toujours être demandés aux téléphonistes du CERN.

POUR RESUMER :

DES LE 10 MARS 1984 :

- * composer le '0' pour appeler la région suisse autour de Genève;
- * composer le '9' pour appeler la région frontalière française.

Groupe Réception
Tél : 2152

SEMINARS SEMINAIRES

Monday 5 March

EP SEMINAR

at 17.00 hrs – Auditorium

Performance of a Ring Imaging Water Cherenkov Prototype

by A. BLONDEL / CERN-EP et Ecole polytechnique, Palaiseau

For a neutrino-electron scattering experiment using a Ring Imaging Water Cherenkov Technique a 7m³ prototype has been tested in a West Area SPS-beam. First results on the angular- and energy resolution, as well as electron/photon/hadron separation will be presented.

CERN is discussing the principle of this tax with the Swiss Permanent Mission and the cantonal authorities, and any further developments will be announced in the Weekly Bulletin. In the meantime the school tax qualifies for reimbursement at 75% according to the Staff Rules & Regulations, Annex RA 9.01 b.

PE Department
Ext. 3238

SIMPLER TELEPHONE CALLS TO NEARBY FRANCE

ON 10 MARCH 1984 the procedure for making calls to nearby France from CERN internal telephones will become simpler.

The new procedure will be :

- * dial '9' (**do not** dial '0' first);
- * wait for the dialling tone;
- * dial the number required in nearby France (**do not** dial '023' first).

The present procedure, as described on page V of the CERN telephone directory, must be used until 10 March 1984.

Note that 'nearby France' is the region to which calls require the prefix '023' at present. Calls to other parts of France will continue via the CERN operators.

IN SUMMARY :

AS FROM 10 MARCH 1984 :

- * dial '0' for calls to nearby Switzerland;
- * dial '9' for calls to nearby France.

Reception Group
Tel : 2152

Mardi 6 mars

PRESENTATION TECHNIQUE

de 09.00 h à 16.00 h – Parking PTT, bât. 63

PHILIPS SA (CH) propose en démonstration : analyseur logique, système développement microprocesseur multiposte, programmeur universel de PROM, oscilloscopes, multimètres, enregistreurs graphiques (NL) – imprimante mosaïque, générateur HF, pont de mesure RCL automatique, générateur de mire couleur, générateur synthétisé (D) – compteur-fréquence-mètre programmable, compteur-fréquence-mètre, fréquence-mètre (S) – alimentation sans coupure (B) – générateur de mire professionnel (DK) – enregistreurs XY (J).

Langues : allemand, anglais, français
Renseignements : M. Diraison / FI / 4585

Wednesday 7 March

SPECIAL COMPUTER SEMINAR

at 10.00 hrs – Council Chamber

Converting 7600 jobs to the Cyber 875

by I. McLAREN and M. DRAPER / CERN

The CDC 7600 service is scheduled to end before the summer. This tutorial will present the differences between the 7600 and the Cyber 875 and give advice for converting existing 7600 applications. The first part will deal with fundamental concepts and the second part will describe control card differences in detail. If necessary the presentation will be repeated again.

Wednesday 7 March

PS SEMINAR

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

The pseudo-spark and its applications

by K. FRANK / University of
Erlangen-Nürnberg

The pseudo-spark is a fast low pressure gas discharge in plane single or multigap electrode configurations with centre holes. Starting from the basic breakdown mechanisms a short overview of the studies at Erlangen and Kf-Karlsruhe is given. R & D work at CERN concentrated on the application of pseudo-spark chambers as triggerable intense electron beam sources and as fast high voltage, high current switches. Lately the development of a plasma lens with pseudo-spark geometry for antiproton collection at the CERN antiproton-source was started. First measurement results with a prototype lens and future plans are presented.

Wednesday 7 March

THEORETICAL SEMINAR

at 14.00 hrs – TH Conf. Room

On the spin glass phase

by M.A. VIRASORO / Rome

The spin-glass system is an example of an amorphous substance with a phase in which long-range disorder co-exists with spontaneous magnetization. The structure of this glassy phase will be derived and discussed.

Wednesday 7 March

LEP MACHINE ADVISORY COMMITTEE

Open session

at 14.00 hrs – LEP Auditorium

14.00 Approved Experiments; their requirements with respect to the LEP Machine

by G. WOLF and K. POTTER

15.00 Electromagnetic Beam-Environment Interaction

by H. HENKE

16.00 Synchro-betatron Resonances

by E. KEIL and B. ZOTTER

Closed session

Thursday, 8 March, at 14.00 hrs, 6th floor Conf. Room, Main Building

Thursday 8 March

ISOLDE SEMINAR

at 10.30 hrs – TH Conf. Room

Anomalons : Evidence for a New State of Matter ?

by Buford PRICE / CERN and University of California, Berkeley

Recent experiments with track detectors seem to show that about 1% of nuclei produced in high-energy nucleus-nucleus collisions interact again with cross-sections an order of magnitude higher than normal. Because these 'anomalons' are seen only in about the first 1 cm after an interaction and because many other particles are simultaneously produced, their study has proven difficult. Visual detectors see anomalons; new experiments with thin Cherenkov detectors do not. If they are real, anomalons may represent a new class of nuclei with unusual quark structure.

Thursday 8 March

CERN COLLOQUIUM

at 16.30 hrs – Auditorium*

Rydberg atoms : Atomic physics on a giant scale

by S. HAROCHE / Ecole normale supérieure, Paris

By laser excitation of atomic beams, Rydberg atoms with quasi macroscopic wave functions can now be prepared and studied. Various experiments investigating the surprising properties of these atoms interacting between themselves or with the radiation field will be described, and possible applications of these systems, for example microwave quantum detectors, will be discussed.

*) Tea and coffee will be provided at 16.00 hrs.

Monday 12 March

EF SEMINAR

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

External Data Communications : where are we today ?

by M.G.N. HINE / CERN

The arrival of very large physics collaborations, e.g. for LEP, and the opening of public data transmission services in Europe have led to urgent demands on CERN for international data communications facilities of many types. These include remote terminal access, distributed mail services, file transfer and remote job submission. Speeds of kilobit to Megabit per second are requested, with links into the USA and Japanese laboratories. The possibilities of meeting these demands will be reviewed, pointing out difficulties which are sometimes not apparent at first sight.

Monday 12 March

PRESENTATION

at 14.00 hrs – Bldg. 593, Room 11
(Amphitheatre Technical Training)

The Macintosh

by Neil MINKLEY / Apple-France

Monday 12 March

EP SEMINAR

at 17.00 hrs – Auditorium

Results on Glueball Searches and D Physics from MARK III

by N. WERMES / SLAC

The talk will discuss radiative ϕ decays such as the ksi (2.2) and $iota$ with some spin parity investigations. There will also be some preliminary demonstrations of the MARK III capabilities in D physics.

Tuesday 13 March

PROTON SYNCHROTRON AND SYNCHRO-CYCLOTRON COMMITTEE

Open session

at 09.00 hrs – Council Chamber

1. Information from the Chairman.
2. Status reports on the following experiments :

PS 180 Search for neutrino oscillations at the CERN PS using BEBC (Athens-Padova-Pisa-Wisconsin; M. Baldo-Ceolin).

PS 187 A good statistics study of antiproton interactions with nuclei (Los Alamos Nat. Lab.-Grenoble I.S.N.; N.J. DiGiacomo).

SC 92 Subthreshold production of neutral pions in heavy ion collisions (GSI Darmstadt-TH Darmstadt; PSCC/84-21/M189; A. Oskarsson).

Closed session

at 14.30 hrs – Salles A + C

Tuesday 13 March

TUTORIAL

from 09.00 hrs - 12.30 hrs – DD Amphitheatre

PERICOM graphic terminal

PERICOM and Captronix SA are organising an in-depth tutorial on the PERICOM 7800 Graphics Terminal. This tutorial is of particular interest to users of graphics on the main computers and on the experiments' computers. A new comprehensive documentation will be available for the participants (a new user's manual and a pocket card). A detailed programme is available on request (in writing please) from C.E. Vandoni/ DD.

Tuesday 13 March

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

Measurement of the B Lifetime with MAC at PEP

by W.T. FORD / University of Colorado, Boulder

Thursday 15 March

ISOLDE SEMINAR

at 10.30 hrs – SC Conf. Room (bldg. 26, 1-025)

The atomic hyperfine quadrupole moment

by H. PILKUHN / CERN, and Karlsruhe University

Thursday 15 March

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

Recent results from the TPC detector at PEP

by L. GALTIERI / Lawrence Berkeley Laboratory

TRAINING AND **EDUCATION** **ENSEIGNEMENT**

ENSEIGNEMENT GÉNÉRAL

Tél. 2844

Jeudi 8 mars

de 13.00 h à 13.30 h – Amphithéâtre

Science pour tous

par R. CARRERAS

ACADEMIC TRAINING

Tel. 2844

5, 6, 8 and 9 March

at 11.00 hrs – Auditorium

Neutrino cosmology

by J. BERNSTEIN / Stevens Institute, Hoboken

Lectures 1 to 4

12, 13, 15, 16, 19, 21 and 22 March

at 11.00 hrs – Auditorium

Track recognition and event reconstruction

Lecture 1 : by H. GROTE / CERN

Lectures 2 & 3 : by A. NORTON / CERN

Lecture 4 : by W. KRISCHER / CERN

Lecture 5 : by E. DAHL-JENSEN / University of Copenhagen

Lectures 6 & 7 : by M. DELLA-NEGRA / LAPP Annecy and CERN

The lectures will start with an introduction to the general principles and different methods of track recognition and cluster analysis. On the following days, the topic will be illustrated mainly by describing applications in optical and electronic detectors. Among others, the wire chamber detectors and calorimeters of experiments R807 and UA1 will serve as examples.