

COMMUNICATIONS OFFICIELLES

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

COMITE DE MANAGEMENT

Le Comité de Management a tenu le 16 Janvier sa première réunion de l'année à l'ordre du jour de laquelle étaient inscrits de nouveaux sujets émanant du Groupe Politique du personnel. Gordon Munday a présenté un document concis résumant les plus récentes réflexions sur les buts et les méthodes de 'Texamen periodique' propose (précédemment nommé système d'appréciation du personnel). On approche maintenant du stade où un accord final pourrait intervenir et il a été demandé aux Chefs de Division et de Département de recueillir les réactions de leurs Chefs de groupes à cette déclaration de principe.

Fritz Ferger a rappelé au Comité de Management que des mises à jour d'articles à caractère non financier des Statuts et règlements du personnel effectuées par un sous-groupe du CCP placés sous sa présidence seront prochainement présentées au CCEC. Il attire également l'attention du Comité sur le fait que quatorze incendies ont éclaté sur le site du CERN au cours des trois derniers mois. Des efforts seront déployés pour renforcer les régies de sécurité en matière d'incendie et mettre à nouveau en garde le personnel et les utilisateurs concernés contre les risques dans ce domaine.

Brian Southworth a présenté des informations sur les publications actuelles du CERN, dans le cadre d'une discussion relative à l'opportunité de créer un nouvel organe destiné à être diffusé à l'extérieur. Il a été décidé de ne pas augmenter le nombre des publications mais de réorganiser et fusionner la production des éditions 'Images' du Bulletin hebdomadaire et celle des 'LEP news'. Cette réorganisation s'effectuera progressivement au cours des prochains mois.

SEMINARS SEMINAIRES

Friday 25 January

SPECIAL SEMINAR

at 11.00 hrs - TH Conference Room

Reconstruction of quantum theory

by C.F. FREIHERR VON WEIZSACKER /
Former Director of Max-Planck Institute for
Social Sciences

OFFICIAL NEWS

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

MANAGEMENT BOARD

The Management Board had its first meeting of the year on 16 January with further topics from the Staff Policy Group on the Agenda. Gordon Munday presented a concise paper summarizing the latest thinking on the aims and procedures for the proposed 'periodic review' (previously referred to as the staff appraisal scheme). This is now moving close to the stage when a final agreement could be reached and Division and Department Leaders were asked to collect reactions from their Group Leaders on this policy statement.

Fritz Ferger reminded the Management Board that up-dated versions of the Staff Rules and Regulations' non-financial articles, prepared by a CCP sub-group under his Chairmanship, will shortly be presented to CCEC. He also brought to the attention of the Board the fact that fourteen fires had occurred on the CERN site in the past three months. There will be efforts to tighten fire safety procedures and to warn relevant staff and users again about fire dangers.

Brian Southworth presented information on existing CERN publications in the context of a discussion about the desirability of a new medium for external distribution. It was decided not to increase the number of publications but to reorganize and amalgamate the production of the 'Images' editions of the Weekly Bulletin and of 'LEPnews'. This reorganization will be implemented progressively in the coming months.

Monday 28 January

PRESENTATION

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

Rdb/VMS and its integration in VIA

by Alexandra WOOG / Digital Zurich

The VAX Information Architecture (VIA) is a fully integrated set of software products designed to provide flexible solutions to information management problems. One of these software products is Rdb/VMS, a relational database management system. During this session, a brief overview of the VIA products will be given, covering

*VAX-11 FMS and VAX-11 TDMS
(Terminal management tools)*

VAX-11ACMS
(Application management tool)
VAX-11 DA TA TRIEVE
(Data Query Language tool)
VAX-11 CDD
(Common Data Dictionary)

followed by an introduction to database management systems. What is a data base management system supposed to do for the developer? For the end-user? What kinds of DBMS exist? Some pros and cons... The main part of the session will be dedicated to giving you a detailed presentation of the relational database products Digital has to offer, and how they fit into DEC's strategy for the future.

Mrs. Woog is a software specialist now working in Zurich and specialising in products from the VAX information architecture set.

Monday 28 January
EP SEMINAR

at 16.30 hrs - Auditorium

A study of the production of b quarks in e^+e^- annihilation with the TASSO detector at PETRA

by T. WYATT / CERN-EP

A sample of e^+e^- annihilation events with an enhanced b-anti-b content was selected using an algorithm for calculating jet masses which ignored 'soft' hadrons. A study of events in the sample containing a high pr electron or muon candidate enabled a statistically significant forward-backward charge asymmetry to be observed. An asymmetry was also observed using a second method for distinguishing b from anti-b jets which looked for anti-correlations in the charge of high pr particles in opposite jets.

Tuesday 29 to Thursday 31 January
WORKSHOP ON SHOWER SIMULATION
FOR LEP EXPERIMENTS

at 09.00 hrs - Council Chamber

The programme is available from
Alan GRANT/EF, bldg. 14, 4-022

Tuesday 29 January
SPS EXPERIMENTS COMMITTEE

Open session

at 09.00 hrs - Auditorium

1. Status report on NA24 (Investigation of deep inelastic scattering processes involving large p_T direct photons in the final state; K.P. Pretzl).
 2. Status report on NA32 (Investigation of charm production in hadronic interactions using high-resolution silicon detectors; P. Weilhammer; SPSC 85-8/M 401).
- Closed session**
- at 14.00 hrs, Room B (formerly A + C), bldg. 61 (to be continued on Wednesday 30 January, at 09.00 hrs).

Tuesday 29 January
CERN COLLOQUIUM

at 16.30 hrs - Auditorium*

An electroweak origin for biomolecular handedness

by S.F. MASON / Kings College London

Classical mechanisms proposed for the transition from racemic geochemistry to homochiral biochemistry in terrestrial evolution generally ascribe to chance the particular handed choice of the L-amino acids and the D-sugars by self-replicating systems. The parity-violating weak neutral current interaction gives rise to an energy difference between a chiral molecule and its mirror-image isomer, resulting in a small stabilization of the L-amino acids and the L-peptides in a alpha-helix and the beta-sheet conformation relative to the corresponding enantiomer. The energy difference suffices to break the chiral symmetry of autocatalytic racemic reaction sequences in an open non-equilibrium system.

* Tea and coffee will be provided at 16.00 hrs.

Wednesday 30 January
THEORETICAL SEMINAR

at 14.00 hrs - TH Conference Room

Small px physics

by P.V. LANDSHOFF / CERN

Although soft hadronic interactions are usually believed to be dirty, some aspects of the available data have striking features which indicate that quarks are involved in a very simple way. So far we do not have a real understanding of this from QCD. The data concerned are for total cross-sections, small-t elastic scattering at the ISR and the Collider, and diffraction dissociation.

Wednesday 30 January
DD SEMINAR

at 16.00 hrs - DD Amphitheatre (bldg. 31, third fl.)

Using IBM PCs as operational tools in the Computer Centre

by Charles CURRAN

Thursday 31 January
CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium*

Lifetime measurements of heavy leptons and mesons (results from PEP)

by V. LUTH / SLAC

Recent measurements of the lifetimes of the tau lepton and charm and beauty particles will be reported. The results are based on data recorded by the MARK II, MAC, and DELCO detectors at the PEP e^+e^- storage ring. Implications of the results for the standard model of weak interactions and future experimental efforts will be discussed.

* Tea and coffee will be provided at 16.00 hrs.

Monday 4 February

PROTON SYNCHROTRON AND
SYNCHRO-CYCLOTRON COMMITTEE

Open session

at 14.00 hrs - Council Chamber

- 1. Information from the Chairman
- 2. Proposal:
Nuclear implantation into cold on line equipment.
Proposal for on line nuclear orientation on
ISOLDES (IPN and IN2P3 Lyon-Leuven-Bonn-
Tech. Univ. Munchen-Gent-CSNSM Orsay-CERN-
Tech. Hogesch ool Delft-Prague- Oxford-SER C
Daresbury Lab-CRN Strasbourg; PSCC/85-1/P81;
85-27S81; N.J. Stone).
- 3. Status report on experiment PS 188 (Measurements of
channelling radiation and its polarization x-ray ex-
citation, together with deviations from Landau dis-
tributions; Aarhus-CERN-Strasbourg; PSCC/85-4/
M210; E. Uggerhoj).
- 4. Progress report on the tests of the DELPHI Barrel
RICH counter (DELPHI Collaboration; J. Seguinot,
College de France).
- 5. Proposal:
Spectroscopy at LEAR using an internal hydrogen jet
target [Annecy (LAPP)-CERN-Genoa-Oslo;
PSCC/84-67/P80; 84-68/S80; A. SantroniJ.

Closed session

Tuesday 5 February
at 09.00 hrs - 6th floor Conference Room.

TRAINING AND
EDUCATION
ENSEIGNEMENT

ENSEIGNEMENT GENERAL
Tel. 2844

Jeudi 31 Janvier

de 13.00 h a 13.30 h - Amphitheatre
Science pour tous
par R. CARRERAS

ACADEMIC TRAINING
Tel. 2844 - 3364

6, 7 and 8 February

11.00 to 12.00 hrs - Auditorium

Composite models of leptons and quarks

by R. PECCEI / DESY, Hamburg

In these three lectures a general discussion of composite
models for quarks and leptons will be given, emphasizing
the theoretical challenges and possible experimental
signatures of this idea.

Monday 4 February

EP SEMINAR

at 16.30 hrs - Auditorium

Progress in instrumenting the CDF at Fermilab

by M. AT AC / Fermilab

The Collider Detector of Fermilab (CDF) is getting
ready to do physics at 2 TeV center-of-mass energy
using proton-antiproton collisions. Detector compo-
nents are constructed and tested. Description of the
detectors and some results will be discussed.

Mercredi 6 fevrier

CERN COMPUTER SEMINAR

at 16.00 hrs - Amphitheatre*

Systeme expert en diagnostic de panne
pour le reacteur nucleaire Super Phenix

par Serge HIMBAUD / GIA, Luminy,
Marseille, et Georges LE GUILLOU / CEA,
Cadarache

In Lecture 1, the motivations for imagining quarks and
leptons as composite objects are analyzed. Bounds on
the possible scale of compositeness are examined and
their model dependence is assessed. In this lecture the
dynamical challenges for constructing models of com-
posite quarks and leptons are explained, but a detailed
discussion of the various dynamical schemes proposed is
left for Lecture 2.

In Lecture 2, the possibility and difficulty of models
where also W-bosons are composite are also analyzed.
Lecture 3, finally, will devote itself to a discussion of
some of the experimental signatures one can expect from
compositeness. Topics to be discussed include excited
leptons and quarks, leptoquarks, octet leptons and
colored W-bosons.