

the 50 GeV stage and reiterated its support for the full LEP project as CERN's first priority.

The Member State delegations to the Finance Committee took positions on the methods of calculating the three-yearly scale of Member State contributions. The study, which served as the basis for this discussion, will be extended to prepare for a final decision at the end of this year. The FC adjudicated a number of contracts, mainly for LEP components, and had a long discussion on CERN purchasing policy. The conclusion was that the present rules should be maintained with some flexibility in their interpretation.

The Consultative Committee on Employment Conditions (CCEC) also met during the week of the Council Session. It continued its discussion on the review of CERN salaries since more information was available on salary comparisons with other European scientific organizations and on the validity of grade comparisons between organizations. Information is awaited from the Coordinated Organizations, on current salary levels in Switzerland and on comparative living costs between Geneva and Brussels. Alternative methods for the calculations of the annual salary index will be considered at the next meeting in April together with new proposals on non-residence criteria and allowances.

permettraient d'accroître l'énergie du LEP après l'achèvement de l'étape à 50 GeV et il a exprimé à nouveau son soutien au projet LEP complet en tant que priorité absolue du CERN.

Les délégations au Comité des Finances ont pris position sur les méthodes de calcul du barème triennal des contributions des Etats membres. L'étude qui a servi de base à cette discussion sera développée en vue de la préparation d'une décision finale à la fin de la présente année. Le Comité a attribué plusieurs contrats, en majorité pour des éléments du LEP, et il a longuement débattu de la politique du CERN en matière d'achats. Il a conclu à la nécessité de maintenir la réglementation actuelle, avec une certaine souplesse dans son interprétation.

Le Comité consultatif sur les conditions de l'emploi (CCEC) s'est réuni également pendant la semaine où siégeait le Conseil. Les informations complémentaires qu'il a reçues sur les comparaisons de traitements avec d'autres organisations scientifiques européennes ainsi que sur la validité des comparaisons de grades entre les organisations lui ont permis de poursuivre sa discussion sur l'examen des traitements du CERN. On attend des informations des organisations coordonnées, sur les niveaux de salaires actuels en Suisse et sur les coûts de la vie comparés à Genève et à Bruxelles. Des méthodes différentes de calcul de l'indice des traitements annuel seront considérées à la prochaine réunion en avril, ainsi que de nouvelles propositions sur les critères de la non-résidence et les indemnités qui s'y rattachent.

SEMINARS SEMINAIRES

Monday 4 March

PRESENTATION

Organized by the DELPHI DAS Group

at 09.30 hrs - Bldg.13-3-003

VME Force Computers Products

by G. BONAMY, B. ROBERT / Tekelec
Airtronic (Grenoble)

The VME FORCE products will be presented with emphasis on their software aspects : PDOS, Fortran 77, ...

For information : F. Saldana / EP, Tel. 4875.

Monday 4 March

EP SEMINAR

at 16.30 hrs - Auditorium

Gluonic degrees of freedom and where to find them

by N. ISGUR / Univ. of Toronto

Gluonic excitations of multi-quark states (so-called 'hybrid states') are confidently predicted in most QCD based models of hadrons but such states have not been seen to date. A study of their decays in the flux-tube model provides an immediate explanation and firm predictions of where one should look to find them.

Mardi 5 mars

PRESENTATION TECHNIQUE

de 09h30 à 12h00 et de 14h00 à 16h00

Bât. 73, salle 2-027

MKS Instruments SA (USA/F) propose en exposition-démonstration du matériel pour la mesure et la régulation du vide, de la pression et du débit : manomètres capacitifs «Baratron», 1 à 10000 torr, 3 ou 4 décades couvertes, mesure en absolu ou en différentiel - manomètres à très grande précision, électronique associée - capteurs de pression industriels sécurité intrinsèque - manomètres de précision haute température - système de régulation/débit haute température - alimentations/affichage - jauges à vide - débitmètres pour gaz - régulation amont, aval - interfaces - simulateurs - vannes et filtres - raccords et accessoires - montages en rack et coffrets - câbles.

Langues : français (anglais)

Renseignements : M. Diraison / FI / 4585.

Tuesday 5 March

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium *

Present status of the SLC project

by C. PRESCOTT / SLAC

* Tea and coffee at 16.00 hrs.

Wednesday 6 March

THEORETICAL SEMINAR

at 14.00 hrs - Theory Conference Room

CP Violation

by Belén GAVELA / CERN

A review of the most important and promising tests of CP violation will be presented (Kaon system, B system, dipole moments). Mainly we will discuss the so-called 'crisis of the standard $SU(3) \times SU(2) \times U(1)$ model' in view of the very recent experimental results on kaons. Beyond the standard model topics will be briefly considered, including new related tests if light gluinos do exist, as well as the formulation of discrete symmetries, the CPT theorem and sources of four-dimensional CP violation in theories with extra dimensions.

Wednesday 6 March

LEP SEMINAR

at 14.30 hrs - LEP Auditorium
(Bldg.30, 7th floor)

Présentation d'un équipement de gestion technique d'un banc d'essai de climatisation

by Ch. BERTUZZI / CERN-LEP

Wednesday 6 March

DD SEMINAR

at 16.00 hrs - DD Amphitheatre
(Building 31, 3rd floor)

Writing, Reading, Re-writing - The Three 'R's or : Literate Programming

by P. ROUSE

While a computer program is usually intended for execution by a machine, in practice a considerable amount of effort will be extended by humans trying to read and understand it. Parts of it will need to be changed, and additions will need to be made, often by someone other than the original author. A point of view propounded by Knuth, in a recent paper, is that a program should be a self-contained text describing how job is done, and should be as much a work of literature as a piece of engineering. He suggested a tool called WEB, which helps one to structure and format a program - together with a narrative in natural language - as a well-organized document, with indexing and cross-referencing. A version of this tool, CWEB, which is now available on the Priam VAX, will be discussed in the seminar. Its application, both to the writing of small programs, and to large modular software projects, will be considered.

Thursday 7 March

CERN COLLOQUIUM

at 16.30 hrs - Auditorium*

History and tales of the invention and the development of particle accelerators

by W. PAUL / Bonn University

* Tea and coffee at 16.00 hrs.

Wednesday 13 March

PS SEMINAR

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

The Rutherford Laboratory Beat-Wave Accelerator Experiment

by A.E. DANGOR / Imperial College, London

In the beat-wave accelerator concept particles are accelerated by a laser plasma wave generated by the beat between two driving lasers. The Rutherford Laboratory experiment, which is scheduled to begin in the summer is designed to test this concept. Initially, the emphasis of the experiment is to test the physics of the laser-plasma interaction whereby the plasma wave is generated.

Mercredi 13 mars

RÉUNION OUVERTE DU LEP

à 14.30 hrs - Auditorium du LEP
(Bâtiment 30 - dernier étage)

1. Annonces et réponses aux questions.
2. Film vidéo - «La fabrication des cavités de stockage pour le système haute fréquence du LEP», présenté par W. Schnell et I. Wilson.

Wednesday 13 March

CERN COMPUTER SEMINAR

at 16.00 hrs - Council Chamber

Software Construction Using Components and Special Purpose Languages : The Draco Approach

by Peter FREEMAN / Univ. of California, Irvine, USA

Tuesday 19 and Wednesday 20 March

LEP EXPERIMENTS COMMITTEE

at 09.00 hrs - Auditorium

Open Session - Tuesday 19 March

- 09.00 - 10.00
Precision Studies on the Z^0
G. ALTARELLI
- 10.00 - 11.00
Toponium Physics
W. BUCHMÜLLER
- 11.00 - 11.30 *Coffee-break*
- 11.30 - 12.30
New particles
J. ELLIS
- 14.00 - 15.30
QCD and $\gamma\gamma$ scattering
A. ALI
- 15.00 - 15.30 *Coffee-break*
- 15.30 - 16.30
High Energies
R. PECCEI

Open Session - Wednesday 20 March

Auditorium

09.00 - 09.05

Statement by the Director-General

09.05 - 09.30

LEP Status Report

09.30 - 13.00

STATUS OF LEP EXPERIMENTS :

- 09.30 - 10.15 DELPHI

- 10.15 - 11.00 OPAL

11.00 - 11.15 *Coffee-break*

- 11.15 - 12.00 L3

- 12.00 - 12.45 ALEPH

Closed Session - Wednesday 20 March

at 14.00 hrs - Conference Room

(6th Floor, Main Building)

(To be continued on Thursday 21 March at 09.00 hrs - Conference Room 'B', Bldg.61 - Formerly A/C.)

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

ENSEIGNEMENT GENERAL

Tél. 2844

Jeudi 7 mars

de 13.00 h à 13.30 h - Amphithéâtre

Science pour tous

par R. CARRERAS

4, 5 and 6 March

11.00 to 12.00 hrs - Auditorium

**From the photons to the neuronal signals :
visual transduction and related biological
problems**

by M. CHABRE / CNRS & CEN, Grenoble

11, 12, 13, 14 and 15 March

11.00 to 12.00 hrs - Auditorium

Heavy flavours

by R. RÜCKL / University of Munich, and
S. REUCROFT / CERN

A 5-lecture experimental/theoretical review of our current knowledge of open charm and beauty properties will be given with emphasis on the latest results and their theoretical interpretation.

The content of each lecture is as follows :

1. *Experimental techniques and the status of the determination of masses, lifetimes, branching ratios, etc.*
2. *Theoretical description of heavy quark decays in the framework of the standard model.*
3. *Experimental survey of heavy flavour production characteristics.*
4. *QCD based models of production : strengths and weaknesses.*
5. *Speculation via experimental aims and theoretical aspirations.*

Mardi 12 mars

LES SCIENCES AUJOURD'HUI

à 20.00 hrs précises - Auditorium

(jusqu'à environ 22.00 hrs)

par R. CARRERAS

Rafel Carreras, responsable du programme d'Enseignement général au CERN, commentera et expliquera un choix d'articles parus récemment dans des revues scientifiques, et qui couvrent l'ensemble des sciences physiques et biologiques ainsi que certains aspects des relations science-société.

Une attention particulière est portée au langage et aux notions utilisés afin que les explications et les commentaires soient accessibles aux personnes n'ayant pas de formation scientifique.

Entrée libre.

(Please note that the conference will be given in FRENCH.)

Service des Relations Publiques
Tel. 2722

INFORMATIONS

GENERALES

GENERAL INFORMATION

RECHERCHE DE TÉMOINS

...pour le sinistre du mardi 19 février survenu à 16h30 entre une 2 CV et une volvo bleue sur la route Bloch. Tél. 5751. Merci !