

rappelé que des éléments du paquet de mesures négocié l'été dernier restaient à mettre en œuvre. Il a été convenu que des discussions devraient commencer dans les deux semaines suivantes sur l'introduction de filières de carrière et d'un système d'avancement au mérite : la Direction préparera un document contenant des propositions précises. L'examen de la demande faite par le Conseil d'une modification de l'indemnité de non-résidence devrait également être effectué rapidement car des propositions doivent être présentées au Conseil en juin; des experts seront nommés cette semaine du côté de la Direction et de l'Association du personnel. Un groupe de travail doit être créé pour examiner la question des organismes de référence à utiliser pour les comparaisons des conditions d'emploi du personnel.

Il a été convenu de demander au Conseil d'administration de la Caisse de pensions d'étudier en détail les problèmes des garanties vis-à-vis de la Caisse et de ses bénéficiaires. W. Middelkoop a fait le point des discussions en cours au sein de la Direction sur la procédure qui sera appliquée pour l'examen du personnel et des postes 1990/1991. Il a été décidé de diffuser les rapports établis par la Division PE concernant les résultats statistiques de la première évaluation des performances (1989/1990) et les recommandations du groupe de travail des délégués des divisions pour cette même évaluation, en date d'août 1990.

La prochaine réunion aura lieu le 12 février.

negotiated last summer remained to be implemented. It was agreed that discussions should start within two weeks on the introduction of career paths and a system of advancement on merit : the Management will prepare a written document containing precise proposals. Examination of the request by Council for the non-residence allowance to be modified should also be treated rapidly as proposals have to be presented to Council in June; experts will be nominated this week from the Management and the Staff Association. A Working Group is to be set up to examine the subject of the reference organizations to be used for the comparisons of the employment conditions of the staff.

It was agreed to ask the Pension Fund Governing Board to conduct an in-depth study of the problems of the guarantees to the Pension Fund and its beneficiaries. W. Middelkoop reported on the status of the discussions within the Management concerning the procedure for the 1990/1991 staff review. It was decided to distribute the PE Division reports on the statistical results of the first exercise of performance appraisal (1989/1990) and on the recommendations by the working group of divisional delegates for performance appraisal, dated August 1990.

The next meeting is to take place on 12 February.

SEMINARS SEMINAIRES

**Monday 28 January &
Tuesday 29 January**

LINAC-RING-COLLIDER WORKSHOP

The workshop starts on Monday with a talk by R. Rossmanith (CEBAF) on Linac-Ring-Collider B-Factory studies at CEBAF at 10.00 hrs in the PS Auditorium (bldg 6, 2-024).

Monday afternoon and Tuesday morning are for discussion groups. The workshop ends on Tuesday afternoon with summary talks.

Information :

P. Grosse Wiesmann / 3529 / PGW@CERNVM
C.D. Johnson / 6640 / CDJ@CERNVM
D. Möhl / 3035 / MOEHL@CERNVM

Monday 28 January

OS-9 USERS MEETING

at 15.30 hrs – CN Auditorium
bldg 31, 3rd floor

New Developments

1. *LanceDry 1.1 – Ethernet Driver by Doug Kemp*
2. *Internet Support Package 1.3 by Doug Kemp*
3. *BOOTP – booting across a network by Paul Langley*
4. *Network File System 1.0/1.1 by Julian Blake*
5. *Gnu C Compiler by Julian Blake*
6. *OS-9 2.4 by Doug Kemp*

Monday 28 January

PPE SEMINAR

at 16.30 hrs – Auditorium

Particle identification with the OPAL jet chamber

by M. HAUSCHILD / CERN

The central jet chamber of the OPAL detector is designed to measure space points of tracks in a magnetic field and to identify charged particles by multiple sampling of their energy loss dE/dx in the chamber gas. A gas mixture of Argon/Methane/Iso-Butane (88.2/9.8/2.0) is used at a pressure of 4 bar. With up to 159 samples per track a dE/dx resolution of 3 - 4 % is obtained both for single isolated tracks and for tracks within multi hadronic events. The ability of good particle separation opens a wide field of applications in physics analysis : for example the identification of electrons from semileptonic heavy quark decays to tag $Z^0 \rightarrow b\bar{b}$ events. The calibration procedure including corrections for systematic effects, and the dE/dx performance are discussed. The particle identification power for several applications is demonstrated.

Tuesday 29 January

CN SEMINAR

at 14.00 hrs* – CN Auditorium
bldg 31, 3-005

Moving toward a distributed computing environment 'or Heterogeneity is a Feature'

by Donald C. 'Smokey' WALLACE / Vice President, Network Products Division Oracle Corporation

The transition to distributed network computing is now on everyone's agenda, not just those of the workstation vendors. Many factors contribute to this shift, some based upon significant changes in the basic technology we use to build computer systems, others based upon basic business needs and still others based upon market vs. technology realities.

I believe

- The computer industry is undergoing a fundamental and dramatic change.
- Every significant computing trend points toward or assumes network computing
- Distributed applications and data will drive the computer industry in the future
- The tools to build and manage these large systems are not available today

This talk will focus on the significant technological, industry and market changes that are fueling a basic paradigm shift in the way we build and use computer systems. In addition, I will present an approach to building products that directly addresses the problems inherent in basic distributed and heterogeneous nature of these systems.

* Note the unusual day and time

Wednesday 30 January

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

Liouville theory, 2d gravity and quantum groups

by J.L. GERVAIS / Ecole Normale Supérieure, Paris

Progress in Liouville theory, 2D gravity and their recent connection with quantum groups will be presented.

Friday 1 February

PRESENTATION

from 10.00 to 16.00 hrs – AT Auditorium
bldg 30, 7th floor

The G-2 Expert System

by COGNITEC / Paris

G2 is an Expert System shell for real time applications such as process control, network management and diagnosis. It is a user friendly system based on color graphics and natural language for knowledge base design and parameter value display. An Intelligent Communication Protocol (ICP) on top of Decnet, TCP/IP or NFS allows the Expert System to communicate with other Expert Systems (in case of distributed expert systems) or with data acquisition systems.

On top of ICP there is :

- Telewindows which is a powerful window system that allows remote access to G2 expert systems.
- GSI which is a set of modules which allows the users to obtain data, set values, send text messages and receive acknowledgement, receive unsolicited input.

In case of missing data, a Simulator Interface provides input to the expert system from a user data simulator. The rules may be fired by an object attribute change, by a clock cycling or by a program initialization. The inference engine uses propositional logic. But a rule can use variables to reference objects belonging to a same class. It can do forward chaining or backward chaining. It can execute hundreds of rule per second. G2 can do statistical computation and reasoning on data histories and data collections.

The programme will be :

10.00 – 11.00 Presentation of G-2 by Experts from COGNITEC

11.00 – 12.00 Demos on SUN-4 computers

14.00 – 16.00 Demos on SUN-4 computers

An expert from COGNITEC will be present from 10.00 to 16.00 hrs to answer any technical questions related to the G-2 Expert System environment and functionalities.

Friday 1 February

MEETING ON PARTICLE PHYSICS PHENOMENOLOGY

at 14.00 hrs – TH Conference Room

What can be learned from the intermittency analysis of multiparticle production?

by Wolfgang OCHS / Max-Planck Institut,
Munich

A short introduction to the experimental results and the theoretical discussion will be given. We show that an intermittency analysis in 3D momentum space yields conclusions on the scaling properties of particle production in the full range of scales. Certain scaling properties also appear in lower dimensions. We discuss predictions on intermittency indices for jet cascades and QGP formation, and further tests of hadronisation models (parton hadron duality).

Monday 4 February

PPE SEMINAR

at 16.30 hrs – Auditorium

Latest OPAL results from a combined analysis of hadronic and leptonic decays of the Z^0

by Gunter QUAST / CERN for the OPAL
collaboration

Latest results on hadronic and leptonic partial decay widths of the Z^0 and forward-backward asymmetries in leptonic Z^0 decays will be given, based on the full data sample taken with the OPAL detector in 1989 and 1990 (about 7.5 inverse pb in an energy scan around the Z^0 resonance). Minimally model-dependent combined fits to hadrons and leptons were performed in order to determine the mass of the Z^0 , its total and partial widths and the vector and axial vector couplings of the Z^0 to leptons. A comparison of the data with the Standard Model will be presented, which constrains the allowed range of the top quark mass.

Mardi 5 février

SEMINAIRE MT

à 14.00 h – bât. 30, 4-035

Lasers de puissance pour soudure et usinage

par K. BADAWI / IUT Le Creusot

Langue : français (discussion possible en anglais)
Renseignements : F. Bertinelli / MT / 5098

Tuesday 5 February

CERN COLLOQUIUM

at 16.30 hrs – Auditorium*

Experiments with separated oscillatory fields and hydrogen masers

by Norman F. RAMSEY, Nobel Laureate 1989

* Tea & coffee will be served at 16.00 hrs.

TRAINING AND EDUCATION ENSEIGNEMENT

ENSEIGNEMENT GENERAL

Tél. 5811 ou 2844 (le matin)

Jeudi 31 janvier

de 13.00 h à 13.30 h – Amphithéâtre

Science pour tous

par R. CARRERAS

ACADEMIC TRAINING

Tél. 2844-3674

28 January

4, 11, 18, 25 February

4, 11 March

LECTURES FOR POSTGRADUATE STUDENTS

11.00 to 12.00 hrs – Auditorium

Introduction to accelerators

by E.J.N. WILSON / CERN-PS

28.1 : The first lecture on accelerators

The course is intended for anyone with a technical or scientific background who would like to become familiar with the principles of accelerator design. The level of the course is chosen with the intention of preparing those with no specialist knowledge of accelerator theory for the CERN Accelerator School but it is also of interest to a much wider audience. The lecture on 28 January is the first in a series of seven talks on all aspects of circular machines which covers in a simple way the principles of focusing, betatron motion, dispersion chromaticity, radio-frequency systems and phase stability and beam instabilities. Participants will be invited to join tutorial study groups arranged in conjunction with the lectures.