

financier de la Caisse. Le montant de 6,8 millions de francs représente la différence entre le coût imputable aux départs des quelque 200 personnes ayant demandé de bénéficier de cette possibilité de partir avant l'âge statutaire de la retraite et celui déjà pris en compte dans les résultats de la dernière expertise technique, lesquels ont conduit à une proposition d'augmentation du taux de cotisation de 24 à 30 %.

Dans le courant du mois de janvier, la Caisse a enregistré son 1000ème bénéficiaire. Le Conseil d'administration a pris note avec regrets du décès de deux de ses bénéficiaires, M. J. Benninger et de Mme I. Talboom.

SEMINARS SEMINAIRES

Monday 25 March

CN TECHNICAL PRESENTATION

Hewlett-Packard – New Workstation

at 10.30 hrs – CN Auditorium
bldg 31-3-005

by Michel BENARD / Hewlett-Packard

The Series 700 workstation is based on Precision Architecture (RISC) running at a high clock rate which allows CPU powers of greater than 10.5 CERN units. All models, configurations and prices will be reviewed. A node will be shown running major HEP programs and the announcement of the general availability of these programs on the Series 700 will be made. Information on future developments to the Series 700 and its architecture will also be given.

Language : English

Organizer : A. Silverman / CN

Monday 25 March

ASTROPARTICLE SEMINAR

at 14.00 hrs – TH Conference Room

Windows on the axion

by Michael TURNER / Fermilab

Lundi 25 mars

SEMINAIRE DE LA SOCIÉTÉ S.D.M.S.

(Société Dauphinoise de Mécano Soudage)

à 14.30 h – Amphithéâtre PS
bât. 6/2-024

Contrôle qualité des enceintes à pression et à vide pour les installations nucléaires de base. Le point de vue d'un constructeur.

par M. GAILLARD, S. BLANCHARD & F. REIGEL / Société Dauphinoise de Mécano Soudage

In January, the Fund recorded its 1000th beneficiary. The Governing Board took note, with regret, of the death of two of its beneficiaries, Mr J. Benninger and Mrs I. Talboom.

1. *Présentation des activités de SDMS, par M. Gaillard, Directeur Commercial (Film VHS – 15 minutes).*
 2. *Les installations nucléaires de base et les sujétions apportées par l'Arrêté du 10 août 1984 relatif à leur conception, construction et exploitation, par S. Blanchard (diapositives – 20 minutes).*
 3. *Réglementation française concernant les appareils à pression, Présentation du CODAP et application aux enceintes à vide, par F. Reigel (diapositives – 20 minutes).*
 4. *Applications des points précédents à quelques réalisations.*
- Renseignements : Alain Poncet / MT-ES / 2793, 6984 / 13 + 3091

Monday 25 March

PPE SEMINAR

at 16.30 hrs – Auditorium

A report on the Barrel RICH, the Ring Imaging Detector of DELPHI

by A. TSIROU / CERN-PPE

The DELPHI collaboration has designed and constructed a Cherenkov Ring Imaging detector (RICH) in order to use it for the identification of charged hadrons. The principles that the RICH utilizes as well as the requirements imposed on the detector by its physics goal are discussed, followed by a review on the hardware construction, the monitoring procedures and the first results obtained after one year of operation at LEP. The physics goals for the years to come will also be discussed.

Tuesday 26 March

SPS AND LEAR EXPERIMENTS COMMITTEE

Open Session

Tuesday 26 March

at 09.00 hrs – Auditorium

1. *Search for the oscillation $\nu_\mu \rightarrow \nu_\tau$ (CERN – JINR – LPC Collège de France – LPNHE [Univ. of Paris VI-VII]; SPSLC 91-21 / P 261) : F. Vannucci.*
2. *Status report from WA89 (Hyperon beam experiment); Use of a hadron calorimeter in WA89 (SPSLC 91-9 / M 461) : H.W. Siebert.*

3. *Presentation of addendum to PS194 (Measurement of stopping powers and single ionization cross-sections for antiprotons at low energies; SPSLC 91-3 / P 64 Add.5) : S.P. Møller.*
4. *Status report from CP LEAR (Tests of CP Violation with $\bar{K}^0$ and K^0 at LEAR : PS195) : P. Pavlopoulos.*
5. *Proposal to search for neutral strange matter in heavy ion collisions at CERN (Bern – Cambridge – Dortmund – Stockholm; SPSLC 91-16 / P 259) : K.Pretzl.*
6. *Status report from WA90 (Study of relativistic nucleus-nucleus collisions at the CERN SPS); Request for additional 200-GeV/c sulfur beam time, September – November 1991 (SPSLC 91-23 / M 466) : S. Datz.*
7. *Particle production, density fluctuations and break up of dense nuclear matter in central Pb+Ag and Pb+Pb interactions at 60-160 A GeV (Alma Ata – Beijing – Chandigargh – Changsha – Dubna – Jaipur – Jammu – Leningrad – Linfen – Lund – Marburg – Moscow – Seattle – Tashkent – Wuhan – Yerevan; SPSLC 91-14 / P 258): I.Otterlund.*
8. *NA44 plans for Lead beams (SPSLC 91-22 / M 465) : H. Bøggild.*

Closed Session

Tuesday 26 March

at 14.00 hrs to be continued on

Wednesday 27 at 09.00hrs, 6th floor Conference Room

Mardi 26 mars

PRESENTATION TECHNIQUE

de 09.00 à 17.00 h – Amphithéâtre CN
bât. 31/3-005

- De 09.00 à 12.00 h

Présentation du concept des réseaux logiques programmables (PGA) de XILINX et des outils de développement

C. Gaschet, Ingénieur d'applications XILINX (F)

- Introduction
- Description technique
- Système de développement
- Principaux avantages
- Démonstration sur système
- Questions et réponses
- De 14.00 à 17.00 h

Présentation de la troisième génération des PGA serie 4000

C. Gaschet et G. Benzoni Ingénieur d'applications RTF (F)

- Description technique des PGA de la famille 4000
- Performance, densité, coût
- Analyse comparative
- Méthodologie
- Système de développement
- Exemples d'applications

- Synthèse
- Questions et réponses
- De 09.00 à 11.00 h

Groupe d'utilisateurs (salle de réunion 1, bâtiment 600/R-017)

G. Benzoni Ingénieur d'application RTF se tiendra à votre disposition pour répondre à vos demandes sur le progiciel actuel et à vos souhaits concernant ses évolutions futures.

Langues : présentations en français, questions et réponses en français ou en anglais

Organisateur : J.-M. Sainson / CN

Wednesday 27 March

DETECTOR R&D COMMITTEE

Open Session

Wednesday 27 March

at 09.00 hrs – Auditorium

1. *Introductory remarks.*
2. *Status Report on the CERN participation in the GP-MIMD (General Purpose Multiple Instruction, Multiple Data) ESPRIT (European Strategic Programme for Research and Development in Information Technology) Project; CERN-Lausanne-Geneva, in collaboration with : INMOS (UK), lead partner; Meiko (UK), Parsys (UK), Parsytec (D) and Telmat (F), main partners and Grupo APD (E), INESC (P), Siemens (D), SICS (S), Southampton Univ. (UK), IRISA (F); DRDC/91-12/M5; R.W. Dobinson).*
3. *Proposal P22 : 'Development of hybrid and monolithic silicon micropattern detectors' (CERN-Collège de France-EPFL-ETHZ-INFN Genova-IMEC-CPPM Marseille-INFN Milano-INFN Bologna-INFN Pisa; DRDC/90-81/P22; E. Heijne).*
4. *Proposal P24 : 'Radiation-damage studies, irradiations and high-dose dosimetry for LHC detectors' (CERN-Technical Univ., Prague-Fraunhofer Inst., Euskirchen-Hahn Meitner Inst., Berlin-ICPE & Univ., Bucharest-Ist. Superiore di Sanità, Rome-Ruder Boskovic Inst., Zagreb; (DRDC/91-6/P24; H. Schönbacher).*
5. *Proposal P25 : 'Ultrafast readout of scintillating fibres using upgraded position-sensitive photomultipliers' (CERN-Iowa-LAPP Annecy-INFN Messina, Trieste and Udine-IHEP-FNAL-Kyoto Sangyo-Osaka City; DRDC/91-8/P25; D. Illou).*
6. *Proposal P26 : 'Development of high resolution Si strip detectors for experiments at high luminosity at the LHC' (CERN-Inst. of Nuclear Physics, Cracow-Helsinki-Imperial College, London-Oslo-S.I. Oslo-RAL-LEPSI Strasbourg-INFN Turin-Yale; DRDC/91-10/P26; P. Weillhammer).*
7. *Proposal P27 : 'Study of new fast and radiation hard scintillators for calorimetry at LHC' (CERN-Consorzio Milano Ricerche, Milano-INFN Rome-Univ. Claude Bernard, Lyon-LAPP Annecy-Nuclear Physics Inst., Leningrad-Lund-RTWH Aachen-Tata Inst., Bombay; DRDC/91-15/P27; P. Lecoq).*

Closed Session

Wednesday 27 March (following the Open Session)
and Thursday 28 March
at 09.00 hrs – 6th floor Conference Room, Admin.
Building

Wednesday 27 March

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

Radiative corrections to WW scattering in the Standard Model

by Tran N. TRUONG / Centre de Physique
Theorique, Ecole Polytechnique, Palaiseau

A new method is given for resumming the perturbative radiative corrections of the $W_L W_L$ scattering in a strongly interacting Higgs sector. It has the virtue of treating correctly the low-energy theorem and, at the same time, the unstable nature of the Higgs boson. A simple formula is obtained for the S wave, isospin 0, $W_L W_L$ scattering under the assumption of the elastic unitarity.

Thursday 28 March

CN TECHNICAL PRESENTATION

at 10.00 hrs – CN Auditorium
bldg 31/3-005

The future of 8 mm data storage technology

by Harry HINZ, Director, Grant WILCOX &
Monika STUMPF / Exabyte Corporation

The use of 8mm helical scan technology, as developed by Exabyte, has received wide acceptance in high-energy physics data storage applications. In this presentation, Mr Harry Hinz, the originator of 8mm cartridge tape subsystem for data storage, will present his views on the future of this medium. In addition, the current range of Exabyte products will be presented and questions answered on future developments.

- Introduction – Rimacor SA
- Exabyte products – Monika Stumpf
- The future of 8mm technology – Harry Hinz
- Data storage requirements – Grant Wilcox

Language : English

Organizer : C. Parkman / CN

Tuesday 2 April

CN TECHNICAL PRESENTATION

at 10.00 hrs – CN Auditorium
bldg 31/3-005

VXIbus From National Instruments Corporation

by Tim Fountain, National Instruments
Corporation

National Instruments Corporation will present the VXIbus concept and their specific products, both hardware and software.

Language : English

Organizer : C. Parkman / CN

TRAINING AND EDUCATION ENSEIGNEMENT

ENSEIGNEMENT GENERAL

Tél. 5811 ou 2844 (le matin)

Veuillez noter qu'il n'y aura pas de conférence

Science pour tous

par Rafel CARRERAS

du 28 mars au 9 mai (la prochaine séance aura lieu le
16 mai)