

CONSEIL D'ADMINISTRATION DE LA CAISSE DE PENSIONS

GOVERNING BOARD OF THE PENSION FUND

La modification No 7 aux Statuts et Règlements de la Caisse de pensions, relative aux cotisations et aux sommes fixes et allocations modifiées à la date du 1.1.1991, peut être obtenue auprès des secrétariats de division ou, pour les pensionnés, directement auprès de l'Administration de la Caisse (tél. 2738).

Amendment No. 7 to the Rules and Regulations of the Pension Fund relating to contributions and to fixed sums and allowances modified as from 1.1.1991 can be obtained from Divisional secretariats or, by pensioners, directly from the Administration of the Fund (tel. 2738).

SEMINARS SEMINAIRES

Monday 18 March

ASTROPARTICLE SEMINAR

at 14.00 hrs – TH Conference Room

A new aspect of the mass density of relic neutralinos

by Mihoko M. NOJIRI / KEK, Japan

A cosmological constraint on the low energy minimal SUPERGRAVITY model, in which the lightest neutrino is stable, is reconsidered. We show that the mass relation between squarks and sleptons imposed by the model can be essential in estimating the mass density of relic neutralinos. The mass relation leads to the drastically different and smaller allowed regions of parameter space of the model. The change of the allowed regions under the inclusion of Higgs bosons to the neutralino annihilation process is also discussed.

Monday 18 March

PPE SEMINAR

at 16.30 hrs – Council Chamber*

Is there a light SUSY particle?

by G. WORMSER / LAL Orsay

The DELPHI collaboration has made extensive searches for all particles predicted by Supersymmetric models (squarks, sleptons, Higgs bosons, neutralinos) using a sample corresponding to 120,000 hadronic Z^0 decays collected in 1990 at LEP. Various methods, including some original ones, have been used to cover a large domain in this search. They will be discussed in detail as well as the consequences of our results on theoretical models and on cosmology.

* Please note unusual location

Mardi 19 mars

PRESENTATION TECHNIQUE

de 09.30 à 12.00 h – bât. 73/2-027

Bestobell Mobrey AG (CH) présente des appareils de mesure d'humidité en ppm/ppb dans les gaz, notamment industriels

Produits présentés: 'MEECO' aquamatic, NEP-1 et Gemini

Renseignements: M. Diraison / FI / 4585

Tuesday 19 March

CN TECHNICAL PRESENTATION

at 14.00 hrs – CN Auditorium

bldg 31/3-005

X.Desktop

by M. MATTHEWS / IXI Ltd., Cambridge, UK

X.Desktop is an X-Window client program allowing users of a Unix system to use a Unix workstation or multi-user system via a graphical front-end interface. It is available for several Unix platforms but was specifically offered by IBM for the 6000 RISC workstations.

The topics to be covered include:

- Graphical User Interface technology and intuitive 'look and feel' environments.
- The visual working environment, i.e. "the desktop drag and drop" metaphor
- Object management facilities
- Standardization of system interface
- Configurability for different styles

A demonstration system will be available.

Language: English

Organizer: J.M.Gerard / CN

Tuesday 19 March

PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Theory Conference Room

Muon Induced Fusion

by A. VOROBYOV / University of Leningrad

Wednesday 20 March

SPECIAL PS SEMINAR

at 10.30 hrs – PS Auditorium

bldg 6/2-024

Lepton Source Aspects : P. Potier

Proton Source and Isolde : H. Schönauer

Leptons and Protons in the PS ring : R. Cappel

The PS complex continues to be the source of all particles at CERN. The speakers at this special seminar will elucidate the current plans, performances and operational issues for this year for Lepton and Proton physics programmes at CERN, including Isolde. Mention will also be made of some of the exploratory machine studies related to the near future programmes, particularly LHC.

* Please note unusual time

Wednesday 20 March

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

Title to be announced

by Peter ARNOLD / Argonne Nat. Lab.

Friday 22 March

CN TECHNICAL PRESENTATION

at 10.00 hrs – AT Auditorium*

bldg 30, 7th floor

Lynx Real Time Systems

by Inder SINGH, President, Michael ROGOSIN,
Sales Manager / Europe Lynx Real Time Systems
Inc.

The history and philosophy of Lynx Real Time Systems will be presented, including a discussion of their future development plans. In addition, a detailed description will be given of the key features and benefits of LynxOS™ which combines real-time performance with full UNIX™ compatibility. Dr Singh will also discuss the impact of standards, such as POSIX, on the future of real-time systems.

Language: English

Organizer: C. Parkman /CN

* Please note the unusual location

Vendredi 22 mars

PRESENTATION TECHNIQUE

de 10.30 à 12.00h et de 14.00 à 16.00h – Amphithéâtre CN
bât. 31/3-005

Evans & Sutherland Sarl (F), représentant E&S Computer Corporation (USA), spécialiste des systèmes de modélisation, de simulation et de visualisation avancés, propose en démonstration sa nouvelle gamme de stations graphiques 3 D, ESV

Caractéristiques

Exploration en temps réel sous forme d'images couleur haute résolution, association des grands standards du marché UNIX, Phigs, Phigs +, X-window, Motif, Pex (natif) avec la qualité graphique (antialiasing intégré).

Présentation

10 minutes vidéo, 30 minutes exposé, suivis de démonstration.

Renseignements: M. Diraison / FI / 4585

Friday 22 March

MEETING ON PARTICLE PHYSICS PHENOMENOLOGY

at 14.00 hrs – TH Conference Room

Title to be announced

by Peter ARNOLD / Argonne Nat. Lab.

Monday 25 March

CN TECHNICAL PRESENTATION

at 10.30 hrs – CN Auditorium

bldg 31/3-005

Hewlett-Packard – New Workstation

by Michel BENARD / Hewlett-Packard

The announcement of the new HP workstation series will include configurations, prices and benchmark results on HEP programs. In addition, a node will be shown and the availability of HEP software reviewed.

Language: English

Organizer: A. Silverman /CN

Tuesday 26 March

SPS & 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 - Chandigarh - 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, I.M. Willers).*
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; K. Kuroda).*
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. Weilhammer).*
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

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

**TRAINING AND
EDUCATION
ENSEIGNEMENT**

ENSEIGNEMENT GENERAL
Tél. 5811 ou 2844 (le matin)

Jeudi 21 mars
de 13.00 à 13.30 h – Salle du Conseil*
Science pour tous
par Rafel CARRERAS
* Prière de noter le lieu inhabituel

ACADEMIC TRAINING
Tel. 2844-3674

Please note that the following lectures in the *Lectures for postgraduate students* series, scheduled for 25, 26, 27 & 28 March

Applied Superconductivity DC and RF
by E. HAEBEL / CERN-AT
have been POSTPONED to April 29 & 30, May 2, 3, 6

Metals at low temperatures and in the super-conducting state have very unusual properties. These will be reviewed in a first part of the lectures together with theoretical interpretations. We will then proceed to discuss applications especially in RF cavities and magnets where they allow to push performance limits beyond those obtainable with conventional materials.

FRANÇAIS ECRIT

Si vous êtes intéressé par un cours de français (orthographe, grammaire, rédaction de lettre, mémo, etc.) veuillez renvoyer le coupon ci-dessous dûment rempli au Secrétariat des Cours de Langues.
Ce cours s'adresse à des non-francophones possédant une bonne connaissance du français parlé.

WRITTEN FRENCH

If you are interested in attending a French Course (spelling, grammar, writing letters, memo, etc.) please fill in the slip below and send it back to the Language Courses Secretariat.
This course is for non-native speakers having a good level of oral expression.



FRANÇAIS ECRIT / WRITTEN FRENCH

Nom / Name :

Prénom / First Name :

Division : Tel. : Date :