

PLACES DE PARKING RESERVEES AUX VISITEURS

Les dix places situées dans la zone bleue du parking près de la Salle du Conseil sont désormais strictement réservées, et balisées en conséquence, aux visiteurs annoncés du CERN (tels les membres du Corps diplomatique, membres du Conseil et du Comité des Finances, etc.).

Il est interdit aux personnes non autorisées de garer leur véhicule sur ces places.

Les contrôles habituels seront effectués.

Une nouvelle zone bleue, destinée aux personnes qui visitent le bâtiment principal pendant une heure au maximum, sera aménagée sous peu.

Groupe des Services généraux / DA

PARKING SPACES RESERVED FOR ANNOUNCED VISITORS

The ten spaces situated in the blue zone of the car-park near the Council Chamber are henceforth strictly reserved, and signposted accordingly, for CERN's announced visitors (such as members of the Diplomatic corps, members of Council and the Finance Committee, etc.).

Parking by unauthorized persons in these spaces is formally prohibited.

The usual checks will be made.

A new blue zone, for the use of people visiting the Main building for up to one hour, will be provided as soon as possible.

General Services Group / DA

SEMINARS SEMINAIRES

Monday 3 April

EF SEMINAR

at 11.00 hrs – EF Conference Room
bldg 13, 2-005

Use of an expert system for monitoring & control of the L3 experiment

by Jean-Marie LE GOFF / CERN-EF

The L3 SLOW CONTROL is responsible for checking all the major physics parameters involved in the SAFE operation of the L3 experiment, including GSS (General Safety System for people) and LEP MACHINE parameters. It should permanently fulfil its safety role regardless of the activities of the experiment and the machine. The algorithmic approach appeared to be unable to cope with the modularity of the working conditions and the needs of expendability of our system. Therefore as a solution we propose a complete and flexible package based on the open configuration of an expert system completely integrated in a real time software environment transparent to a VMS user.

Monday 3 April*

PS SEMINAR

at 11.00 hrs – PS Auditorium
bldg 6, 2-024

Development of high brightness H^- sources

by K. N. LEUNG / Senior Staff Scientist,
Lawrence Berkeley Laboratory

A small multicusp source has been developed at LBL to generate volume produced H^- ion beams in pulsed operation. To obtain high H^- current

densities, this source requires relatively high gas pressure and high discharge power. Experiments have been conducted to improve the arc and gas efficiencies, the beam pulse shape and the H^- to electron ratio in the extracted beam. The biggest improvement is achieved by adding cesium to the source, resulting in a five-fold increase in the extractable H^- current and a substantial drop in the e/H^- ratio. In order to improve the lifetime of the cathode, both filament and coaxial type LaB₆ cathodes have been operated successfully in this H^- source.

* Please note unusual day!

Tuesday 4 April

TECHNICAL PRESENTATION

14.00 to 16.00 hrs – DD Auditorium
bldg 31, 3-005

Scan Electric (S), a company in the ABB (Asea-Brown Boveri) group, specializes in export of any kind of equipment within the electronic and electro-technical area and can offer special design solutions to fulfil your specifications.

Language : English

Information : M. Diraison / FI / 4585

Tuesday 4 April

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium*

The electric dipole moment of the neutron

by B. GAVELA / Univ. Autonoma de Madrid

Recent experimental data suggesting a large neutron EDM, at the 10^{-25} e.cm. level, will be discussed. Its implication for the standard $SU(3) \times SU(2) \times U(1)$ model and for supersymmetry will be analysed. Left-Right symmetric theories and Higgs models of CP violation will be considered briefly.

Mercredi 5 avril

PRESENTATION TECHNIQUE

à 09.30 h – Salle de conférence EF

bât. 13, 2-005

Sicli, Matériel-Incendie SA (CH), propose un exposé sur le nouveau système de détection thermique linéaire de Alison Control Inc. (USA), indiquant à la centrale la distance, par rapport à cette dernière, où se situe l'élévation de température.

Langue : anglais (questions possibles en français)

Renseignements : M. Diraison / FI / 4585

Mercredi 5 avril

PRESENTATION TECHNIQUE

10.00 à 12.00 h & 14.00 à 16.00 h

bât. 17, 1-007

Philips SA (CH/D/NL/S/USA) présente sa gamme d'instruments de test et de mesure : oscilloscopes, multimètres portables et de laboratoire, analyseurs logiques, testeurs, calibrateurs, générateurs de fonctions et d'impulsions, compteurs et fréquencesmètres, systèmes d'instrumentation (interfaces et logiciels sur PC), mesures de température, tables traçantes et plotters.

Langue : français

Renseignements : M. Diraison / FI / 4585

Wednesday 5 April

PS SEMINAR

at 11.00 hrs – PS Auditorium

ARCHON - Architecture for cooperative heterogeneous on-line systems : a CERN-PS ESPRIT-2 collaboration

by Paul SKAREK / CERN-PS

This collaborative project, financed over five years, concerns issues like distributed artificial intelligence, distributed operating systems and real-time aspects of operating and expert systems. More specifically, it involves the co-operation of systems like databases, process control systems and expert systems, and the development of software tools to achieve such a cooperation in a standard fashion. The talk will give a general description of this project, and CERN contributions and expectations in particular.

Wednesday 5 April

DD SEMINAR

at 16.00 hrs – Council Chamber*

Computing at SLAC

by Les COTTRELL / Stanford Linear Accelerator Center

Over the last few years SLAC has been automating and developing distributed procedures to run a large, multiple mainframe system with a minimum of operations personnel. Over 70% of the CPU cycles are delivered to batch and up to 1200 tapes were mounted per day. Despite this, the number of operations staff over the last decade has been reduced from 25 to 10. The goal is to run the entire operation (interactive, batch, system, network, etc.) with no personnel present for extended period of the week. Les Cottrell will provide an overview of the current computing and networking facilities at SLAC and directions and then review progress so far in attaining the goal of unattended operation. This will include experience with the new Automated Tape Library system, and the micro-VAX and PC based network monitoring tools used. He will also discuss possible future directions and requirements for unattended operations.

* Please note unusual place!

Wednesday 5 April

LEAR DISCUSSION MEETING

at 16.30 hrs – PS Auditorium

bldg 6, 2-024

Future of LEAR and 'LEAR Physics'

Thursday 6 April

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium*

Search for a Neutral Higgs Particle in the decay sequence $K_L^0 \rightarrow \pi^0 H^0$, $H^0 \rightarrow e^+ e^-$

by Harry NELSON / CERN-EP

The Standard Model predicts the existence of a neutral Higgs boson, H^0 , and predicts its couplings to matter, but does not predict its mass. Experimental and theoretical arguments against a light Higgs have recently become less convincing. If the Higgs is kinematically accessible, then the decays of the K_L^0 are one of the best places to observe it. We present the data from the NA31 experiment at CERN.

* Tea & coffee will be served at 16.00 hrs.

Lundi 10 avril

PRESENTATION TECHNIQUE

09.30 - 12.00 h & 13.30 - 16.30 h
Amphithéâtre LEP, bât. 30, 7e étage

DATRON (GB), représenté par Kontron Electronic AG (CH), propose un séminaire d'information et de support concernant leur calibrateur 4708 et multimètres numériques 1271 et 1281 / Portocal.

Langue : anglais (français sur demande)
Renseignements : M. Diraison / FI / 4585

Monday 10 April

EF SEMINAR

Fast RICH with VLSI electronics
by François PIUZ / AN-EP

POSTPONED TO 22 MAY

Wednesday 12 April

PRESENTATION

09.30 to 12.00 hrs - DD Auditorium
bldg 31, 3-005

SUPERTEK new, low cost, Cray compatible mini-supercomputer

by G. SEYBOLD / SUPERTEK Inc. &
M. HARPER / VSPL

Mercredi 12 avril

SEMINAIRE PS

à 11.00 h - Amphithéâtre PS
bât. 26, 2-024

Représentation temps fréquence des signaux numériques : du spectrogramme à la représentation de Wigner-Ville

par F. PEYRIN / Laboratoire de traitement du signal et ultrasons INSA, Villeurbanne, France

TRAINING AND EDUCATION ENSEIGNEMENT

Mardi 4 avril

LES SCIENCES AUJOURD'HUI

à 20.00 h précises - Amphithéâtre
(jusqu'à environ 22.00 h)
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 lecture will be given in FRENCH)

Service des Relations Publiques
Tél. 2722



ENSEIGNEMENT TECHNIQUE
TECHNICAL TRAINING

Tél. Secrétariat : 44.60

Séminaires de Mathématiques pour ingénieurs et physiciens appliqués

LES SYSTEMES DYNAMIQUES

Henri EPSTEIN

Institut des Hautes Etudes Scientifiques
Bures-sur-Yvette

du 24 au 28 avril 1989

Ce séminaire donnera une introduction à la théorie mathématique des Systèmes Dynamiques. Les sujets abordés comporteront :

théorèmes fondamentaux d'existence, variétés stables et instables, linéarisations, théorème KAM et questions connexes, systèmes hyperboliques, systèmes à une dimension réelle ou complexe.

Le nombre de participants est limité à 20 environ.