

COMMUNICATIONS OFFICIELLES

Les membres du personnel sont censés avoir pris connaissance des communications officielles ci-après.

La reproduction même partielle de ces informations par des personnes ou des institutions externes à l'Organisation exige l'approbation préalable de la Direction du CERN.

EPAVES ET VEHICULES ABANDONNES SUR LES PARKINGS

Suite à de nombreux contrôles effectués sur les parkings du CERN, nous avons constaté que plusieurs véhicules étaient abandonnés avec ou sans plaques d'immatriculation, ou sans vignette CERN permettant d'identifier les propriétaires.

Nous prions donc tous les propriétaires de véhicule non identifiable de prendre contact, dans les plus brefs délais, avec M. R. Rochat/7552, ou bip 13-1300.

Sans réponse de la part du propriétaire de ces véhicules, le processus d'évacuation du site des véhicules abandonnés sera entrepris, dès le 24 février, selon la procédure officielle (document disponible dans les secrétariats de Division).

Directeur Technique

OFFICIAL NEWS

Members of the personnel shall be deemed to have taken note of the news under this heading.

Reproduction of all or part of this information by persons or institutions external to the Organization requires the prior approval of the CERN management.

WRECKS AND ABANDONED VEHICLES IN CERN CAR PARKS

A number of checks in the CERN car parks have shown there are several vehicles in them that have been abandoned, with or without registration plates and CERN stickers identifying their owners.

We therefore request all owners of unidentifiable vehicles as soon as possible to contact Mr R. ROCHAT (tel. 7552 or Beep 13-1300).

Should owners of such abandoned vehicles fail to reply, the process of removing abandoned vehicles from the site will be initiated with effect from 24 February in accordance with official procedures (document available in Division Secretariats).

Technical Director

SEMINARS SEMINAIRES

Monday 3 February

PPE SEMINAR

at 16.30 hrs – Auditorium

Evidence for b baryons in Z decays

by Joleen PATER / University of Wisconsin, Madison

In 160,000 hadronic Z decays recorded with the ALEPH detector at LEP, the yields of $\Lambda\ell$ and $\Lambda\ell^$ combinations have been measured. The observed excess of $\Lambda\ell$ over $\Lambda\ell^*$ of 53 ± 13 is interpreted as evidence for b baryons and their semileptonic decay. Assuming that three body decay processes such as $\Lambda_b \rightarrow \Lambda_c^* \ell \nu$ dominate the semileptonic decay of b baryons, this excess corresponds to a product branching ratio $\text{Br}(b \rightarrow \Lambda_b) \cdot \text{Br}(\Lambda_b \rightarrow \Lambda_c^* \ell \nu) \cdot \text{Br}(\Lambda_c^* \rightarrow \Lambda X) = (0.95 \pm 0.22 \text{ (stat)} \pm 0.21 \text{ (syst)})\%$, where Λ_b and Λ_c^* denote the bottom and charm baryons respectively.*

Tuesday 4 February

CERN COLLOQUIUM

at 14.30 hrs* – Auditorium**

Soft matter

by Pierre-Gilles DE GENNES / Nobel Laureat for Physics 1991, Collège de France, Paris

* Please note unusual time

** Tea and coffee will be served after the talk at 16.00 hrs

Tuesday 4 February

PRESENTATION

at 14.30 hrs – CN Auditorium
bldg 31/3-005

Cray Research's strategic directions in massively parallel processing

by Bill MINTO / Cray Research

Cray Research proposes that future high performance computing challenges in the scientific and engineering domain will require a heterogeneous computing environment. The

existing parallel/vector/scalar architectural approach will be complemented by a closely coupled massively parallel capability and an appropriate programming methodology.

An overview of the Cray Research MPP strategy in terms of hardware and software architecture will be presented with particular emphasis on Cray Research's MPP Programming Model developments. The model allows programmers to define both data sharing and work sharing within their Fortran application.

This is the first of a series of Cray Research MPP presentations.

Bill Minto has graduated from University of Edinburgh and obtained his Ph.D. from University of Glasgow in Experimental Particle Physics. For the last 7 years with Cray in application, presales and marketing.

Information : Z. Sekera / Cray / 4921

Mercredi 5 février

PRESENTATION TECHNIQUE

09.30–11.30 h – Salle de conférence ECP
bât. 13/2-2005

Erni + Co. AG (CH), présente 'la connectique sans soudure / Press-fit' selon norme DIN 41 612.

Durée 2 heures, concerne toutes les personnes ayant un intérêt pour le développement ou le montage des circuits imprimés.

Langues : allemand, anglais, français, italien selon demande.

Renseignements: M. Diraison / FI / 4585

Wednesday 5 February

PRESENTATION

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

Microprocessor User Meeting

1. OS-9 in the CHORUS experiment (Beverley Friend)
2. Microware's BOOTP - booting across a network (Martin Saich)
3. Lynx-OS : Physics Status (Jorgen Petersen)
4. Lynx-OS : Administrative Status (Julian Blake)
5. New OS-9 Products (Douglas Kemp)

Wednesday 5 February

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

Is your weight gauge dependent?

by Bernard DE WIT / CERN

In the presence of a continuous degeneracy of stationary points of the effective action, the standard proofs of the gauge independence of the S-matrix become inapplicable. This explains the apparent lack of gauge independence of physical quantities in (perturbative) quantum gravity found in explicit

calculations. We show that the S-matrix is still gauge independent when expressed in terms of physically relevant parameters.

Wednesday 5 February

COMPUTING SEMINAR

at 16.00 hrs – CN Auditorium
bldg. 31/3-005

Software engineering in High Energy Physics : a report on the L'Agelonde workshop

by D.M. SENDALL / CERN-ECP

The Second International Workshop on Software Engineering, Artificial Intelligence and Expert Systems for High Energy and Nuclear Physics was held at L'Agelonde, France on Jan. 13-18 1992. (The first such workshop was held in Lyon in 1990).

There were about 40 presentations in the sessions on software engineering and related topics, covering a wide range of applications and techniques. This seminar gives an overview of them. It does NOT cover the sessions on Artificial Intelligence, Neural Networks or Symbolic Manipulation.

Monday 10 February

AC SEMINAR

at 11.00 hrs – AT Auditorium
bldg 30, 7th floor

Summary of the Second Workshop on LEP Performance

by John H. POOLE / CERN-SL

From 19 to 25 January some 80 participants met in Chamonix to review the performance of LEP and to propose improvements. The talk will give an overview of the issues addressed and outline the conclusions from the workshop.

Tuesday 11 February

PRESENTATION

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

LOG/iC from ISDATA : A logic synthesis tool for Programmable Logic Devices, Gate Arrays or Logic Cell Arrays

by Peter BAUER & Ralf REMME / ISDATA
Applications Engineers

Since 1983 ISDATA (Germany) has produced advanced language-based software for PLD designs. From the same device independent description, LOG/iC can synthesize logic on PLD's or be a 'front end' for Gate Arrays and LCA's. Its flexible input device description includes: proprietary high level syntax, schematic circuit diagram entry, VHDL subsets and FSM flowcharts. It can also interactively partition large designs onto several PLDs, and has a PLD Data Base for

automatic device selection, or on-line reference. This package run under PC DOS or UNIX operating systems, and at CERN it is available on the PC/NOVELL network.

- 09.00 LOG/iC Universal Design Compiler for PLDs, FPGAs and GAs. Overview of the inputs possibilities, simulator, optimizer and interface to other CAER systems.
- 10.15 Demonstration with examples
- 11.00 STATE/VIEW Graphic state machine editor
- 11.30 HINT, the VHDL compiler for LOG/iC
- 12.00–12.30 Discussion
- 14.00–16.00 Open sessions:
- Time available for more discussion, presentation and examples
- Information: R.-B. Flockhart, J.-M. Sainson / CN-CE

Tuesday 11 February

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

Review of 17 keV neutrino experiments

by Douglas R.O. MORRISON/CERN

A review is made of all experiments searching for a heavy neutrino near 17 keV. In 1985 Simpson claimed the observation of a break in the spectrum of low energy betas from tritium – this result is discussed in terms of atomic effects and Beta Environmental Fine Structure. In 1985-1987 several experiments found no effect and were criticised by Simpson – these criticisms are discussed. Recently the subject has been re-opened when several experiments have found positive evidence for a 17 keV neutrino. These experiments plus some finding no evidence, are reviewed and it is concluded that the balance of evidence is against the existence of a 17 keV neutrino.

* Coffee will be served at 16.00 hrs

TRAINING AND EDUCATION ENSEIGNEMENT

ENSEIGNEMENT GENERAL

Tél. 5811

Jeudi 6 février

à 13.00 h – Amphithéâtre

Science pour tous

par Rafel CARRERAS

FOR/POUR INFORMATION

LAPP

Laboratoire d'Annecy de Physique des Particules

Chemin de Bellevue
BP 110
F – 74941 Annecy-le-Vieux
Tél. 50 23 32 45

Vendredi 7 février

LAPP SEMINAR

at 10.45 h – Amphithéâtre LAPP

CP LEAR : Statut et derniers résultats

par P. BLOCH / CERN

Information : Sylvie LEES-ROSIER, LAPP / ext. 328 /
SROSIER@FRCPN11

ACADEMIC TRAINING

Tel. 2844

3, 4, 5, 6 & 7 February

11.00 to 12.00 hrs – Auditorium

Arithmetics, geometry and confor...

by C. ITZYKSON / Saclay

Postponed to 17, 18, 19 & 20 March