

SERVICE RESTREINT DES RESTAURANTS LE 1^{er} MAI

Le mardi 1^{er} mai 1984 étant jour férié pour l'Organisation, les restaurants et cafétérias du CERN seront fermés.

Un service restreint sera cependant assuré au Restaurant n° 1 (Coop, bâtiment 501) de 08.00 h à 20.00 h (restauration chaude de 11.30 h à 14.00 h et de 18.00 h à 19.30 h).

Service de Liaison des Restaurants
Tél. 3189/3962

DERNIERE MINUTE

A TOUS LES MEMBRES DU PERSONNEL
CONTRIBUABLES EN FRANCE

RAPPEL

En accord avec l'annonce parue dans le Bulletin hebdomadaire n° 8/84, il est rappelé que les membres du personnel concernés doivent régler le prélèvement social de 1% sur les revenus en provenance du CERN.

LIMITED RESTAURANT SERVICE ON 1 MAY

As Tuesday 1 May 1984 is a CERN holiday, the restaurants and cafeterias will be closed.

A limited service will, however, be provided at Restaurant No. 1 (Co-op, building 501) from 08.00 to 20.00 hrs (hot meals served from 11.30 to 14.00 hrs and from 18.00 to 19.30 hrs).

Restaurant Liaison Service
Tel. 3189/3962

Le CERN n'est toujours pas d'accord avec la position prise par les Autorités françaises à ce sujet et poursuit ses démarches auprès d'elles. Vous serez, bien entendu, informés de leurs résultats dès qu'ils seront connus.

En attendant, pour les cas difficiles et selon la pratique, des avances pourront être consenties.

Département du Personnel
Tél. 2635

SEMINARS **SEMINAIRES**

Monday 16 April

EF SEMINAR

at 11.00 hrs – EF Conf. Room (bldg. 13, 2-005)

UA1 short term and long term improvement programme

by V. VUILLEMIN / CERN-EF

A review of the short and long range programmes of the UA1 experiment will be given. Along with physics motivations, topics will cover descriptions of the microvertex pressurized wire chamber, the improved muon detection system and the new VME data acquisition. Progress achieved on the uranium – TMS calorimeter will be extensively discussed.

Monday 16 April

PRESENTATION

14.00 to 16.30 hrs – DD Auditorium
(bldg. 31, 3rd fl.)

The CYBER 180 and NOS/VE operating system – advanced hardware and software products from Control Data Corporation

by J.A. WILSON and G.S. BARRETT /
Control Data Corporation

14.00 *Advanced hardware products*

15.00 *Break*

15.30 *Advanced software products*

Control Data has recently concluded the initial development phase of its advanced hardware and software pro-

ducts. Details concerning these new products will be presented. Included in the presentation will be a description of extensions to some models in the existing CYBER 170-800 series line together with an overview of a new ASCII-based virtual memory operating system. New models both at the low end and high end of the performance range will be introduced.

Monday 16 April

EP SEMINAR

at 17.00 hrs – Auditorium

Inclusive meson production in K⁺p interactions at 70 GeV/c

by L. GATIGNON / CERN-EP

The inclusive production of mesons and meson resonances in K⁺p interactions at 70 GeV/c will be discussed. The data were obtained in an exposure of the BEBC bubble chamber to an r.f. separated beam of positive kaons. Longitudinal and transverse momentum distributions will be presented, using the Lund model for low-p_t hadronic interactions as a guide. Special emphasis will be on the inclusive cross-sections of directly produced particles in the K⁺p fragmentation region.

Tuesday 17 April

CERN COLLOQUIUM

at 16.30 hrs – Auditorium*

Galaxies : Testing ground for -inos

by R. RUFFINI / Rome University

* Tea and coffee will be provided at 16.00 hrs.

On the grounds of observations based on the dynamics of our galaxy, theoretical considerations are presented implying masses for the 'inos' in the range of tens of electronvolts for fermions and all the way down to 10^{-24} electronvolts for bosons. Their abundance can be equivalent to ninety percent of the total mass energy of the Universe. A unifying theoretical framework for the formation of galaxies, quasars and globular clusters is advanced.

Wednesday 18 April

THEORETICAL SEMINAR

at 14.00 hrs – TH Conf. Room

Models of CP violation

by L. WOLFENSTEIN / CERN

Recent measurements on the B system have constrained the parameters of the Kobayashi-Maskawa quark mixing matrix. As a consequence more definitive predictions can be made for CP violation parameters in K^0 and B^0 decays if the only source of CP violation is in this matrix. Alternative models of CP violation will be discussed.

Mercredi 18 avril

REUNION OUVERTE DU LEP

à 14.30 h – Auditorium du LEP
(dernier étage du bâtiment 30)

1. Annonces et réponses aux questions
2. DISTRIBUTION ELECTRIQUE DU LEP
 - Avancement des travaux, par O. BAYARD
 - Différents réseaux du LEP : pour qui, pourquoi ?
Qualité de la tension, délestage,
par G. FERNQVIST
 - Les principes de la distribution basse tension,
par O. BAYARD
 - ORACLE : une base de données de départs gérés
par MICENE, par A. SWIFT

Wednesday 18 April

PS/DD SEMINAR

at 16.00 hrs – DD Amphitheatre
(bldg. 31, 3rd fl.)

Languages for array and vector processors

by R.H. PERROTT / Dept. of Computer
Science, The Queen's University, Belfast

This seminar considers the major developments which have occurred in the design of high level languages for array and vector processors. Two major types of languages for these parallel processors have evolved, namely, detection of parallelism languages such as CRAY FORTRAN and expression of machine parallelism languages such as DAP FORTRAN. The disadvantages and advantages of each type of language are examined. A third type of language is also considered which reflects neither the compiler's detection mechanism nor the underlying hardware. The syntax of this language enables the parallel nature of a problem to be expressed directly. The language is thus appropriate for both vector and array processors.

Thursday 19 April

TECHNICAL PRESENTATION

09.00 to 15.00 hrs – bus, PTT car park,
bldg. 63

ARBOR VENTIL + FITTING AG (USA / all, CH/SWAGELOK only) will present the following items : tube fittings and quick-connects (SWAGE-LOK), industrial and vacuum products (CAJON), precision valves and filters (NUPRO), matchless valves for exacting service (WHITEY), tube fittings and valves for high pressure (SNO-TRIK)

Languages : English, French, German

Information : M. Diraison / FI/4585

Thursday 19 April

CERN COLLOQUIUM

at 16.30 hrs – Auditorium*

Chaotic dynamics in sugar metabolism

by M. MARKUS / Max Planck Institute for
Nutritional Physiology, Dortmund

Aperiodic recurrences (chaos) have been studied in different disciplines ranging from quantum mechanics to astronomy, biochemistry and computer art. Glycolysis 'Enzymatic Sugar Breakdown' under periodic substrate input flux is described by a two enzyme model yielding a rich variety of periodic, quasi-periodic and chaotic oscillations. These theoretical predictions were verified experimentally in baker's yeast. The balance between order and randomness of chaotic oscillations not only gives rise to aesthetical graphic representations but may also be related to the balance between stability and flexibility in the function, development and evolution of living beings.

* Tea and coffee will be provided at 16.00 hrs.

Thursday 26 April

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium*

Latest results from UA1

by Felicitas PAUSS / CERN-EP

Latest results obtained by the UA1 experiment at the CERN proton-antiproton collider will be presented.

* Tea and coffee will be provided at 16.00 hrs.

POUR INFORMATION / FOR INFORMATION

Vendredi 20 avril

Laboratoire d'Annecy-le-Vieux de physique des particules, chemin de Bellevue, BP 909, F-74019 ANNECY-LE-VIEUX CEDEX

à 10.30 h – Amphithéâtre du Laboratoire

Résultats de l'expérience d'oscillation neutrino au réacteur du Bugey

par H. PESSARD / LAPP, Annecy