

SUMMARY OF THE 5TH MEETING OF THE ADVISORY COMMITTEE OF CERN USERS

26 September 1989

Information from the Director-General

The Director-General informed ACCU that CERN Management would recommend Council to refrain from introducing an individual fee for each user, but to consider charging overheads on the cash flows of the team accounts. On a longer time scale the introduction of a realistic accounting of services provided by the Organization to the users should be implemented.

Computing

ACCU took note with satisfaction that the computer centre would continue to operate until the normal Christmas shut-down. The new 'Green Book' on computing policy for the next 5 years has now been published.

Transport

Comments would be welcome from users concerning the LEP transport bus service.

Circulaire administrative n° 12

L'ALLOCATION POUR FRAIS D'ETUDES

Lors de sa réunion le 21 septembre 1989, le Comité de Concertation permanent a approuvé l'augmentation du montant servant de base au calcul du remboursement mentionné au § 9 a. de la Circulaire administrative n° 12. Ce dernier passe de 415.- à 433.- francs suisses, avec effet au 1er septembre 1989.

Circulaire administrative n° 25

DISPOSITIONS PARTICULIERES PROPRES AUX SERVICES DE SECOURS ET DU FEU

Cette nouvelle circulaire administrative peut être consultée au secrétariat de votre division.

Division du Personnel
Tél. 2855/4128

Housing

ACCU heard a presentation on current plans for future housing policy (cf. General Information in this edition of the Weekly Bulletin).

Users' Office

ACCU noted the successful start-up of the Users' Office and its activities.

Nominations

Dr Jürg Schacher was nominated as the users' representative on the Academic Training Committee.

LEP

ACCU congratulated all those involved in the successful start-up of the LEP machine and the four LEP experiments.

Next meeting

This is scheduled for Wednesday 6 December at 10.00 hrs.

Administrative Circular N° 12

EDUCATION GRANT

As agreed by the Standing Concertation Committee on 21 September 1989, the maximum amount used for the calculation of reimbursements mentioned at § 9 a. of Administrative Circular N° 12 has been increased from 415.- to 433.- Swiss francs, with effect from 1 September 1989.

Administrative Circular N° 25

SPECIAL PROVISIONS FOR THE FIRE AND RESCUE SERVICES

This new Administrative Circular is available for consultation in your divisional secretariat.

Personnel Division
Tél. 2855/4128

SEMINARS SEMINAIRES

Monday 9 October

EP SEMINAR

at 16.30 hrs – Auditorium

**A fixed-target experiment to study CP-violation
in B-meson decay**

by V. D. KEKELIDZE / University of Tbilisi,
USSR

A letter of intent to study CP-violation in B-meson decay at 3 TeV by a Soviet collaboration is being examined at the new Super High Energy Laboratory of JINR, Dubna before its presentation to the UNK experimental committee. The decay $B^0(B^{\pm}) \rightarrow J/\psi + K^0$ has been studied. The difficulty arising from the unequal production of B and $\bar{B}$ in pp collision would be solved by independently measuring the asymmetry for B-meson decay into $J/\psi + K_s^0$ and $J/\psi + K_l^0$. No vertex detector is necessary and this allows the experiment to be run at a high interaction rate. The possibility of starting work at CERN in the high-intensity ECN3 Hall is now being explored.

Wednesday 11 October

PS SEMINAR

at 11.00 hrs – PS Auditorium

**New techniques of acceleration :
from CLIC (CERN Linear Collider)
to CTF (CLIC Test Facility)**

by Y. BACONNIER / CERN-PS

New acceleration techniques under study in different laboratories will be reviewed and the CERN Linear Collider, as proposed by Wolfgang Schnell, presented. A detailed expose of the CLIC Test Facility under construction in the PS Division will be given.

Wednesday 11 October

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference room

An expanding Universe in string theory

by Ignatios ANTONIADIS / Ecole Poly-technique, Palaiseau

We present solutions of the bosonic, heterotic and type II string theories whose space-time manifold is a linearly expanding homogeneous and isotropic Universe. These solutions are obtained by giving a background charge to the time coordinate on the world-sheet. We find the spectrum, demonstrate positivity of the Hilbert space up to the second excited level, and construct modular-invariant partition functions. The central charge of the transverse excitations is a free parameter that controls the asymptotic density of states; the critical dimension and gauge group can in particular be made arbitrarily large. We show how to construct dual, factorizable, energy-conserving amplitudes in this background, discuss their interpretation and comment on the initial singularity and flatness problems in the light of our results.

Thursday 12 October

DEC SYSTEM MANAGERS' MEETING

at 10.00 hrs – DD Auditorium
bldg 31, 3-005

1. Minutes of previous meeting and matters arising :
 - a) Status of DEC Contracts for 1989
 - b) Dossiers for 1990
 - c) X.400 Communication
 - d) Status of DRB32 Driver support
 - e) Status of Netsystem Pilot Project & Service Management Service
2. Managing 'IS' for 'IS'!
3. CERN DEC Joint Project Status
4. DEC Products announced in the last quarter
5. DECnet & DECserver Coordination
6. AOB

Thursday 12 October

CERN COLLOQUIUM

at 16.30 hrs – Auditorium*

The concept of mass

by L. OKUN / ITEP

In a popular lecture on the special theory of relativity, a critical comparison is made of how physicists use it as a scientific tool and how they present it to students and laymen. The famous relation $E = mc^2$ is at the centre of the discussion.

* Tea & coffee will be served at 16.00 hrs.

Friday 13 October

PRESENTATION

10.00 to 12.00 hrs – DD Auditorium
bldg 31, 3-005

New OS-9 products

by Kim KEMPF / Research Director,
Microware, USA

- OS-9000 Portable operating system
- RAVE (Realtime Audio Video Environment)
- Future Direction of Microware

The speaker will be available for detailed discussions from 14.00 hrs in bldg 600, Conference Room 1.

Lundi 16 octobre

PRESENTATION TECHNIQUE

de 09.00 à 15.00 h – Parking PTT, bât. 63

ARBOR VENTIL + FITTING AG (CH, USA) propose en exposition démonstration son programme de représentation en raccords et vannes de précision pour le vide et la haute pression, étanche à l'hélium : SWAGELOK – raccords pour vide et haute pression, coefficient de fuite pour l'hélium $< 4 \times 10^{-9}$ bar cm^3/s ; WHITEY – vannes pointeaux, tout ou rien, à billes, de régulation – commandes pneumatiques – cylindres pour échantillonnage : NUPRO-vannes à soufflet et à membrane : coefficient de fuite pour l'hélium $< 4 \times 10^{-9}$ bar cm^3/s – vannes pointeaux, tout ou rien – filtres, clapets unidirectionnels – mini cylindriques pour échantillonnage – détecteur de fuite – pâte d'étanchéité; CAJON – éléments pour vide élevé raccords filetés, de conversion, à souder; SNO-TRIK – vannes et raccords pour haute pression jusqu'à 4200 bar.

Langues : allemand, anglais, français
Renseignements : M. Diraison / FI / 4585

Lundi 16 octobre

SEMINAIRE EF EN ELECTRONIQUE

à 11.00 h – Salle de Conférence EF
bât. 13, 2-005

Techniques du blindage et mise à la masse

par Fabio FORMENTI / CERN-EP

Le traitement des signaux venant des détecteurs peut être rendu difficile par des phénomènes d'interférences aussi bien au niveau analogique que digital. Ces interférences peuvent avoir leur origine à l'intérieur des systèmes électroniques, mais elles sont aussi souvent dues à des sources extérieures. Ces problèmes peuvent être supprimés, ou au moins limités, par une mise à la masse et un blindage judicieux prévus dès réception du circuit. Ce séminaire voudrait atteindre deux objectifs. Le premier est de présenter la problématique de façon schématique et organisée en mettant en évidence toutes les sources principales de bruit et leur mode de couplage à l'équipement victime. Le deuxième but est surtout de montrer les techniques permettant de traiter le problème de façon quantitative et scientifique, le prévoir et le résoudre sans avoir à se fier aux 'recettes magiques de l'empirisme'.

Monday 16 October

PS SEMINAR

at 14.30 hrs* – PS Auditorium
bldg 6, 2-024

Status of Los Alamos PSR instability studies

by Arch THIESSEN / Los Alamos National Laboratory, New Mexico

The maximum intensity in a single pulse from the Los Alamos Proton Storage Ring (PSR) is limited by a fast instability. Recent experiments have provided some new information which may help to clarify the mechanism which is responsible for the instability.

TRAINING AND EDUCATION ENSEIGNEMENT

ENSEIGNEMENT GENERAL

Tél. 2844-5811

Jeudi 12 octobre

de 13.00 h à 13.30 h – Amphithéâtre

Science pour tous

par R. CARRERAS

No theory has as yet been developed which can explain all of the observations. Results of recent experiments and candidate mechanisms will be discussed. There will also be a brief discussion of recent results on 'slow losses' which limit the average intensity of PSR.

* Please note unusual day & time!

Tuesday 17 October

PRESENTATION

10.30-12.30 & 14.00-16.00 hrs
DD Auditorium, bldg 31, 3-005

VMETRO : Tools for Microprocessor Fault-Finding and Analysis

Language : English

Information : C. Parkman / DD / 3963 /
PMN@CERNVM

Tuesday 17 October

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

New limits on neutrino mass from tritium beta decay measurements

by John F. WILKERSON / Los Alamos
National Laboratory

Wednesday 18 October

COMPUTER SEMINAR

at 16.00 hrs – Auditorium

Automatic speech recognition

by Stefano SCARCI / IBM, Rome

ENSEIGNEMENT ACADEMIQUE

Tél. 2844-3364

16, 17, 18, 19 & 20 octobre

11.00 à 12.00 h – Amphithéâtre

Les grandes tendances de l'économie depuis J.M. Keynes

by B. BÜRGENMEIER / Université de Genève

1. Le mystère de la courbe de Phillips
2. Le monétarisme
3. Les anticipations ou la restauration classique
4. L'économie de l'offre
5. Les externalités.