

COMMUNICATIONS OFFICIELLES

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

ASSURANCE-MALADIE "AUSTRIA" - AUGMENTATION DES PLAFONDS DE REMBOURSEMENTS

Le détail des prestations pour 1982 est maintenant disponible auprès des Secrétariats des Divisions et du bureau de l' "Austria" au CERN, tél. 2730.

Les personnes ayant droit à un complément de remboursement pour traitements suivis en 1982 et dont les plafonds étaient limités aux maxima précédents doivent faire des demandes de remboursement supplémentaires.

Par exemple, une personne ayant eu 2.000 Fr.s. à payer pour un traitement dentaire en 1982 et qui a été remboursée de 1.368 fr.s. (plafond précédent) peut maintenant faire une demande supplémentaire pour 96 Fr.s., le nouveau plafond pour 1982 étant de 1.464 Fr.s.

Département du Personnel
Tél. : 3207

OFFICIAL NEWS

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

'AUSTRIA' HEALTH INSURANCE - INCREASES IN REIMBURSEMENT CEILINGS

The summary of benefits for 1982 is now available from Divisional Secretariats or the 'Austria' office at CERN, tel. 2730.

Supplementary claims should be submitted by persons claiming the balance in respect of treatment in 1982 for which the reimbursements were limited by the previous maxima.

For example, a claimant who has incurred expenses of 2,000 S.fr. for dental treatment in 1982 and been reimbursed 1,368 S.fr. (the previous maximum) may now make a supplementary claim for 96 S.fr., since the 1982 ceiling is 1,464 S.fr.

Personnel Department
Tel. 3207

SEMINARS SEMINAIRES

Monday 21 June

EP SEMINAR

at 17.00 hrs - Auditorium

Results of the Charm Search with BIBC

by E. Hugentobler / Univ. of Bern

BIBC is a heavy liquid high resolution bubble chamber used in the NA 18 experiment searching for short-lived particles produced by a 340 GeV π^- beam. Results on the lifetimes of D^0 and $D^\pm$ mesons and their production cross-sections will be presented and discussed.

Tuesday 22 June

PS SEMINAR

at 11.00 hrs - PS Auditorium
(Building 6)

Present Status and Future Developments
of the Antiproton Accumulator

by E. Jones / PS

Antiprotons first circulated in the AA machine in the summer of 1980. Since that time up to 2.4×10^{11} $\bar{p}$'s have been accumulated and many transfers to the ISR and SPS have taken place. The idiosyncracies of the machine are now being

slowly digested and the operational problems overcome. The design goals have not yet been achieved, but the present limitations and the future proposals to overcome them will be outlined.

Tuesday 22 and Thursday 24 June

FORTRAN 77 TALKS

at 11.00 hrs - Auditorium

An Introduction to FORTRAN 77 (Repeat)

by M. Metcalf / DD

Compilers conforming to the new ANSI FORTRAN standard, known as FORTRAN 77, are now widely available. The CDC version known as FTN5 is available on all our CDC machines and the Siemens/Fujitsu compiler is running successfully on the IBM's. In addition, the compilers on VAX and NORD conform to this standard. These compilers are likely to become the only ones available within a period of a few years, and it is highly desirable that new programs be written to this standard from now on. FORTRAN 77 is the supported CERN standard as of this month. In these two lectures, the whole FORTRAN language will be reviewed, with emphasis placed on new or changed features. Other topics discussed will include use at CERN, compatibility, extensions, and portability.

Tuesday 22 June

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium *

Neutrino Physics at Los Alamos

by T.J. Bowles / Los Alamos Nat. Lab.

Some aspects of the neutrino programme at Los Alamos will be described. These include :
1) an accurate measurement of $\nu_e - e$ elastic scattering at LAMPF now underway in a University of California at Irvine - Los Alamos collaboration; 2) a test for a finite neutrino mass in tritium beta decay using free monatomic tritium as a source; and 3) a proposal for a high intensity national neutrino facility to make use of a beam from the Proton Storage Ring at LAMPF.

* Note : Coffee and tea at 16.00 hrs.

Mercredi 23 Juin

PRESENTATION TECHNIQUE

09h00/16h30 - Bus, parking PTT, Bât. 63

C. Nichtawitz (CH), représentant Sprecher & Schuh (CH), propose en exposition du matériel électrotechnique basse tension courant fort : interrupteurs de charge, disjoncteurs de puissance, coupe-circuit à haut pouvoir de coupure, éléments de commande et de signalisation, bornes, contacteurs de puissance (CENELEC), relais auxiliaires (CENELEC), relais électroniques pour protection des moteurs (CET 3), coffrets plastiques et coffrets métalliques de montage.

Langues : Allemand, français.

Renseignements : M. Diraison / FI / 4585.

Wednesday 23 June

THEORETICAL SEMINAR

at 14.00 hrs - Theory Conference Room

Naturalness of Supersymmetric Grand Unification and Proton Decay

by Norisuke Sakai / KEK, Tsukuba, Japan

This talk is intended as a general review of supersymmetric models of grand unification, and their consequences on the proton decay for non-experts. Starting from the motivation of supersymmetric models, current status of model building and possible signatures of supersymmetric particles will be mentioned.

DD SEMINAR

at 16.00 hrs - DD Auditorium
(Building 31, 3rd floor)

ROSY : a low cost development system for the M68000 microprocessor using the central computer facilities

by W. Von Rüden / EF

CERN's powerful computer centre with its wide-spread terminal network INDEX is an ideal tool for microprocessor development based on cross-software. Unfortunately most commercially available systems do not support this working method. ROSY has been designed to provide the communication with the host computer for down-line loading and the local debugging services required for board level design through a user-friendly command language.

Thursday 24 June

DD COLLOQUIUM

at 14.00 hrs - Auditorium *

(* Note non-standard location)

- 1) The Role of Local Area Networks in Personal Computing

by C. Piney / DD

The interconnection of personal computers by means of local area networks has extended the range of facilities that can be offered on these personal computers. At the same time, the range of potential problems has been correspondingly expanded. This talk will present arguments for and against the use of local area networks for personal computers and describe the desired characteristics of such networks, rather than on the technology of the networks themselves.

- a) Individual vs shared systems (brief review);
- b) Reasons for networking (shortcomings of centralisation)
- c) Constraints on the network (requirements of the users)
- d) Necessary characteristics of a network (how to assess if it is for you)
- e) Pro's and con's of networking
- f) Conclusion.

- 2) Modular Digital Telephone System MD-110

by M.K. Klöpfer / Ericsson SA

Ericsson's modular, digital and integrated system, MD-110, will be presented as being the most recently developed system for the 'Office of the Future'. Its particular technical characteristics will be demonstrated by means of examples, as well as its applications possibilities and special functions.

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium *

Recent Results from the Prompt Neutrino Experiment at Fermilab

by G. Conforto / INFN Firenze, Italy

The principle of prompt neutrino experiments is illustrated. Early results are reviewed. The experiment of the Firenze-Michigan-Ohio-Washington-Wisconsin Collaboration set-up at Fermilab is described. First results are presented and their interpretations discussed.

* Note : Tea and coffee at 16.00 hrs.

Monday 28 June

BEBC USERS' GROUP MEETING

at 13.45 hrs - Council Chamber *

(* Note change of date)

1. Summary of Last Meeting
2. Status Reports : SPS, BEBC, EMI/IPF, BEAMS
3. Election of New Chairman
4. Report on Holographic Tests in BEBC
5. Report on Tests of Solid Neon and Argon Calorimeter
6. Status Report on Experiment WA 24 (Wideband ν and $\bar{\nu}$ in TST)
7. Other Business
8. Next Meeting.

ISR SEMINAR

at 14.30 hrs - ISR Auditorium
(Top floor of Building 30)

Simulation of the Beam-Beam Effect for LEP

by S. Myers / ISR

EP SEMINAR

at 17.00 hrs - Auditorium

A Study of High Transverse Energy Hadron-Hadron Interactions at the CERN SPS using a Large Acceptance Calorimeter

by P. Seyboth / MPI Munich

Tuesday 29 June

SPS EXPERIMENTS COMMITTEE

at 09.00 hrs - Auditorium

OPEN SESSION

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1. Communication on the Workshops on SPS Fixed Target Physics.
2. Status Report on NA11 (Measurement of Charmed Particle Production in Hadronic Reactions; P. Weilhammer).
3. Status Report on UA1 (A 4π Solid Angle Detector for the SPS Used as a Proton-Antiproton Collider at a Centre of Mass Energy of 540 GeV; C. Rubbia) and A Proposed Upgrade of the Large Angle Muon Detection in UA1 (UA1-Collaboration; SPSC/82-51/P92 Add. 2).
4. Status Report on UA2 (Study of Antiproton-Proton Interactions at 540 GeV c.m. Energy; P. Bloch) and Request to Install a Ring Image Cherenkov Counter.

PS SEMINAR

at 11.00 hrs - PS Auditorium
(Building 6)

Antiproton Physics at LEAR : New Possibilities

by K. Kilian /

Tuesday 29 June

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

IBEC Experiments to Determine the Electron Neutrino Mass

by B. Jonson / CERN-EP and the
ISOLDE Collaboration

Thursday 1st July

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

Universality, Scaling and the Transition to Turbulence

by M. Nauenberg / Univ. of California,
Santa Cruz

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POUR INFORMATION / FOR INFORMATION

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Vendredi 25 Juin

SEMINAIRE DU LAPP

à 10h30 - Amphithéâtre du Laboratoire

Laboratoire d'Annecy-le-Vieux de Physique des
Particules, Chemin de Bellevue, B.P. 909,
74000 Annecy-le-Vieux, France

Recent Results on Neutrino Cross-Section
and Nucleon Structure Functions by the
CFRR Collaboration

by P. Rapidis / Fermilab

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TRAINING AND **EDUCATION** **ENSEIGNEMENT**

ACADEMIC TRAINING (Tel. 2844)

June 28 and 30, July 2

11.00 hrs/12.00 hrs - Auditorium

$p\bar{p}$ physics from AA to Z⁰

by C. Rubbia / CERN

*The collider programme will be reviewed from
an experimental physicist's point of view in
its main aspects :*

1. Machine performance.
2. Physics results and their relevance
3. Expectation for the short and long term future.

*The discussion will be kept on a rather general
and 'tutorial' level.*