

Wednesday 18 December

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

The structure of the multi-loop divergences in the closed bosonic string

by R. JENGO / Trieste

We discuss the multi-loop amplitude in the covariant formalism as an integral over the Riemann moduli and we find divergences which can be interpreted in terms of dilaton tadpoles.

Wednesday 18 December

LEP SEMINAR

at 14.30 hrs - LEP Auditorium
(bldg 30, 7th floor)

Structured system development methods and the LEP project

by A. KENNEDY / Consultant to the SPS Software Engineering

Structured analysis and structured design have been introduced to the ALEPH and OPAL Collaborations and the SPS MCR software project with some success. The practical implications and benefits with regard to project management, control, quality and ordering of development priorities will be described and illustrated with a detailed description of the application of these techniques to elements of the SPS project. Possible benefits for LEP will be identified.

Wednesday 18 December

ISOLDE SEMINAR

at 16.30 hrs – TH Conference Room

Shape coexistence in nuclei

by J. WOOD / Georgia Institute of Technology, Atlanta, USA

From an exotic peculiarity in a few widely scattered nuclei across the mass surface, shape coexistence – the occurrence of states with extremely different collective properties (shapes) in a single nucleus – is becoming a feature common to many nuclei. An introduction and overview to the phenomenon is given, together with an outline of the latest developments and prospects. The phenomenon offers insights to collective degrees of freedom in finite many-body quantum systems and, specifically in nuclei, exposes details of the effective interaction between protons and neutrons in an unprecedented manner.

Wednesday 8 January

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

On the present situation of double beta-decay and its relation with pion-induced double charge exchange nuclear reactions

by T.-H. HO / CERN

The present situation of experiments and theory of dou-

ble beta-decay is summarized. Its relations with the pion-induced double charge-exchange (DCX) reactions are discussed. It is suggested that, as a next step, some experiments on radioactive sources of 2 beta-decay of order of magnitude about 10 kg should be emphasized.

TRAINING AND

EDUCATION ENSEIGNEMENT

ENSEIGNEMENT GENERAL

Tél. 2844

Jeudi 9 janvier

de 13.00 h à 13.30 h – Amphithéâtre

Science pour tous

par R. CARRERAS

ACADEMIC TRAINING

Tel. 2844-3364

January 7, 8, 9, 10

11.00 to 12.00 hrs - Auditorium

Kaluza-Klein theories and supergravity

by H. NICOLAI / CERN

In all recent attempts at a unified description of all fundamental interactions, the idea of introducing extra dimensions has played an important role. This idea becomes even more attractive when combined with the more recent concepts of supersymmetry and supergravity. These topics as well as more recent developments will be reviewed at an introductory level in these lectures.

INFORMATIONS

GENERALES

GENERAL INFORMATION

ASSURANCE VIE COLLECTIVE FACULTATIVE

Les membres du personnel qui ont été assurés contre le risque de décès par le contrat cité en référence durant la période du 1.7.1984 au 30.6.1985 recevront, avec leur traitement de décembre 1985, la quote-part qui leur échoit de la participation au bénéfice afférente à cette période.

Département des Finances

COLLECTIVE LIFE INSURANCE (OPTIONAL)

Members of the personnel insured under the above insurance during the period 1.7.1984 to 30.6.1985 will receive, with their December salary, their share of the profits distribution relating to that period.

Finance Department

Concerts de Noël

Mardi 17 décembre à 20h30 – Amphithéâtre du CERN

Henry Purcell

Jehova, quam multi sunt hostes mei

Benjamin Britten

A Ceremony of Carols

Musique de Noël

Direction: PAUL-LOUIS SIRON

Harpe: MARIE LEENHARDT

Soprano: MADELINE ALEXANDER

Réservations : 2789 ou 3217.

Vente : soit à l'entrée une heure avant les concerts,
soit aux heures de déjeuner aux Restaurants Co-op et
Tortella, les 10, 11, 12, 16 et 17 décembre.

BULLETIN HEBDOMADAIRE

Ceci est la dernière édition du Bulletin Hebdomadaire pour 1985. Le prochain Bulletin paraîtra le vendredi 10 janvier.

CHANGEMENT D'ADRESSE

Veuillez noter qu'à partir du 6 janvier 1986 la S.G.T.E. transfère ses bureaux à l'adresse suivante :

ZONE CHANTIER PREVESSIN LAB II

Téléphone : 50 40 51 87

Téléphone interne : 70 91.

SAFETY OF EXPERIMENTS DURING CHRISTMAS HOLIDAYS

In order to minimize the risks during the Christmas holidays, would all GLIMOS reduce to an absolute minimum the use of gas, electricity and water. If any explosive gases must be unavoidably used during this period, please inform, in writing, the Fire Brigade indicating the location and type of gas. Thank you.

EP Divisional Safety Officer

SWISS 'CARTES DE LEGITIMATION' – Reminder

Members of the Staff and their families holding Swiss 'cartes de légitimation' due to expire at the end of this year, should send them to Personnel Department for extension of the period of validity by the Swiss Permanent Mission to the International Organizations. *Staff Members should send their cards to Mrs. E. Deluermoz, Records and Claims Section, and Fellows and Paid Associates to Mrs. M. Burri, Fellows and Associates Section.*

Please note that if the card has no space for further validation, three passport photographs should be sent with the old card so that a new card may be prepared.

AND

FRENCH 'CARTES SPECIALES' AND 'ATTESTATIONS DE FONCTION' – Reminder

'Cartes Spéciales' and 'Attestations de fonction' issued by the French 'Ministère des Relations extérieures' due to expire at the end of this year should also be renewed according to the above procedure.

In view of the considerable number of cards to be renewed, it will not be possible to issue attestations to replace them; so please keep photocopies.

If you are in possession of invalid cards, the Organization will not take any responsibility in case of difficulties with the Police or Customs authorities.

If you do not renew your cards, measures may be taken according to article R II 5.01 of the Staff Rules and Regulations.

Personnel Department
Tel. 3238

WEEKLY BULLETIN

This is the last issue of the Weekly Bulletin for 1985. The first issue for next year will appear on Friday 10 January.

DOCUMENTS PUBLIES PAR LA COMMISSION TIS

Bulletin de sécurité 87

Utilisation des ponts roulants sans cabine d'une capacité maximale de 10 tonnes.

Bulletin de sécurité 89

Les ventilateurs ne sont pas toujours générateurs de fraîcheur.

Instruction de sécurité (No. 5, Rév. 1)

Arrêt d'urgence

Instruction de sécurité (No. 27)

Laboratoire électronique.

Vous pouvez demander ces documents soit :

- au secrétariat de votre division
- soit à votre D.S.O. (Délégué Divisionnaire à la Sécurité)
- soit à la Commission TIS, tél. 2361.

TV FRANCAISE

FR-3 Télévision française, diffusera

jeudi 19 décembre à 18h30

un programme réalisé au CERN et montrant divers aspects internationaux de l'Organisation.

DG/PR, tél. 4101

A TOUT LE PERSONNEL REMUNERE

Paiement des traitements

Pour l'année 1986, les jours de paie ont été fixés comme suit :

janvier	22, 23, 24
février	24, 25, 26
mars	24, 25, 26
avril	18, 21, 22
mai	21, 22, 23
juin	18, 19, 20
juillet	23, 24, 25
août	25, 26, 27
septembre	18, 19, 22
octobre	22, 23, 24
novembre	24, 25, 26
décembre	17, 18, 19

Département des Finances

COUPURE DU RESEAU ELECTRICITE SECOURS SITE DE MEYRIN

La Division SB procédera à un essai de fonctionnement du système de réalimentation du réseau SECOURS, par les groupes électrogènes,

le lundi 23 décembre 1985 entre 10.00 et 12.00 h.

Quelques coupures seront provoquées sur l'ensemble du réseau SECOURS afin de vérifier les temps de réalimentation (normalement, 30 secondes environ).

Nous recommandons aux utilisateurs de prendre les mesures habituelles nécessaires après une interruption générale de l'alimentation.

Parmi les installations courantes qui risquent de subir des perturbations de courte durée, citons :

- certains ascenseurs
- des alimentations d'ordinateurs
- les systèmes de distribution d'eau :

E.P.F. (eau potable froide),

E.I.F. (eau industrielle froide)

E.I.C. (eau industrielle chaude).

Pour tous renseignements complémentaires, prière de contacter

J. GOLLIET (3146), ou R. RAZUREL (2177).

'EXPERIMENTS AT CERN'

L'édition 1985 du livre gris 'EXPERIMENTS AT CERN' vient de sortir. Des exemplaires sont disponibles

- à la bibliothèque centrale
- au secrétariat EP
- auprès de Mme Braize / EP.

The 1985 edition of the Grey Book 'EXPERIMENTS AT CERN' has just come out. Copies are available from

- the Central Library
- The EP Secretariat
- Mrs. Braize / EP.

Last reminder

EFFECTIVE FORTRAN 77

This book by M. Metcalf/DD is a complete introduction to the FORTRAN 77 programming language, and contains additional chapters on portability, style, program design, efficiency, testing and documentation.

A few copies remain at the kiosks in Restaurants I and II at a special discount price of 29.- fr.