

Tuesday 11 November

PROTON SYNCHROTRON AND
SYNCHRO-CYCLOTRON COMMITTEE

Please note : No open session

Closed session

Tuesday 11 November at 09.00 hrs in the 6th floor
Conference Room.

Tuesday 11 November

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

**Recent results on the electroweak interactions of
the tau lepton and the quarks from the MAC
Experiment at SLAC**

by Manuel C. DELFINO / University of
Wisconsin

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

Mardi 4 novembre

LES SCIENCES AUJOURD'HUI

à 20.00 h précises – Auditorium
(jusqu'à environ 22.00 h)

par R. CARRERAS

Rafel Carreras, responsable du programme d'Enseignement général au CERN, commentera et expliquera un choix d'articles parus récemment dans des revues scientifiques, et qui couvrent l'ensemble des sciences physiques et biologiques ainsi que certains aspects des relations science-société. Une attention particulière est portée au langage et aux notions utilisés afin que les explications et les commentaires soient accessibles aux personnes n'ayant pas de formation scientifique.

Entrée libre

(Please note that the lecture will be given in FRENCH)

Service des Relations Publiques
Tél. 2722

ENSEIGNEMENT GENERAL

Tél. 2844

Jeudi 6 novembre

de 13.00 h à 13.30 h – Amphithéâtre

Science pour tous

par R. CARRERAS

Wednesday 12 November

PS SEMINAR

at 11.00 hrs – PS Auditorium

**What signs of QCD in spectroscopy?
How can LEAR help?**

by F.E. CLOSE / Rutherford Appleton
Laboratory, UK

Wednesday 12 November

LEP SEMINAR

at 14.30 hrs – LEP Auditorium
bldg 30, 7th floor

RF cavity tuning control for the LEP main ring
by P. BROWN / CERN-LEP

ACADEMIC TRAINING

Tel. 2844-3364

3, 4, and 5 November

11.00 to 12.00 hrs – Auditorium

Future colliders – physics and machines

by C.H. LLEWELLYN SMITH / University of
Oxford

CORRECTED VERSION

The lectures will contain :

- a) an overview of what might be learned from experiments at future e^+e^- , pp and ep colliders;
- b) a review of limitations on circular and linear colliders; and
- c) a description of some novel ideas for acceleration.

The discussion of physics will be aimed at accelerator physicists and non-experts in high energy physics. The discussion of colliders will be given from the point of view of an amateur and will be aimed at experimenters and theorists with little or no knowledge of accelerators.

11, 12, 13 and 14 November

11.00 to 12.00 hrs – Auditorium

Introduction to optical communication

by R. SALATHE / PTT, Berne

1. Fibres

Basic parameters, materials, attenuation, dispersion, polarization, strength and environmental effects.

2. Sources

Principles and performances of light emitting diodes (LEDs), laser diodes, distributed feedback (DFB) lasers and quantum well (QW-) laser diodes, sources for coherent communications.

3. Detectors and receivers

Properties of photodiodes and avalanche photodiodes, high speed photodetectors, limits of direct detection receivers, coherent detection.

4. Systems

Basic considerations for optical systems, network aspects, wavelength multiplexing, coherent systems.

INFORMATICS TUTORIAL 1986-4

Six half days between Monday 10 and Thursday 13 November

C for programmers

by Dietrich WIEGANDT / CERN, Data
Handling division

Presentation

Until a few years ago, the programming language C was known to a limited group of people – the UNIX wizards – because UNIX is written in C. With the increasing popularity of UNIX, C is receiving more attention as a general purpose programming language. C compilers and the associated runtime libraries are available for a wide spectrum of machines, ranging from microprocessors to main frames.

This tutorial attempts to present the language systematically, yet informally. Participants are expected to have some experience in high level language programming.

Topics

1. basic elements of the language
2. structured data types, pointers and functions
3. the C programming environment

Course profile

The course consists of three half-day theory sessions complemented by three half-day sessions devoted to hands-on experience. A basic knowledge of UNIX and of one of its editors is recommended.

Material

Participants will receive a copy of 'A Book on C' by A. Kelley and I. Pohl, copies of the transparencies used for the lectures, and material for the exercises.

Registration

This is a repetition of the course which took place in the spring of this year. Only a few free places are left. For more information and to register, please send a note to Jean-Louis Penaud / DD.

About the lecturer

Dietrich WIEGANDT is a Senior system programmer in the Software group, Data Handling division. Physicist by education, he had already converted to informatics before coming to CERN in 1970. He worked on systems programming and networking in the OMEGA project, implemented CERNET on the IBM main frames, and since 1982 has been concerned with applications of UNIX systems at CERN.

INFORMATIONS GENERALES GENERAL INFORMATION

RESTAURANT n° 3 (PREVESSIN)

Fermeture temporaire les 10 et 11 novembre 1986

Pour des raisons techniques, le Restaurant n° 3 situé dans le bâtiment 866 sera fermé les 10 et 11 novembre 1986. Le bar à café ne sera pas ouvert le 10 novembre au matin, mais il fonctionnera normalement dans l'après-midi ainsi que le 11 novembre toute la journée. Les services de cafétéria des bâtiments 864, 865 et 892 seront assurés normalement.

Nous regrettons vivement les inconvénients que cela représente pour les clients.

Division du Personnel
Tél. 4606

RESTAURANT no. 3 (PREVESSIN)

Temporary closure on 10 and 11 November 1986

For technical reasons Restaurant no. 3 in Building 866 will be closed on 10 and 11 November 1986. The coffee bar will not operate on the morning of 10 November but it will function normally in the afternoon and on 11 November. The cafeteria services in Buildings 864, 865 and 892 will operate normally.

We regret the inconvenience to clients.

Personnel Division
Tel. 4606

COMMISSION TIS – Groupe ES

Sécurité générale – Electricité

Le document suivant a été publié :

Bulletin de sécurité no. 95 (en français et en anglais)

Risques inattendus d'une plate-forme d'essais.

The unexpected hazards of an electric power test bay.

Vous pourrez obtenir ces documents :

- auprès de votre D.S.O. (Divisional Safety Officer)
- au secrétariat de votre Division
- en téléphonant à la Commission TIS :
Mademoiselle R. BETTY, tél. 4860 ou
Monsieur J. MOTTE, tél. 5784.

Thursday 13 November

INVISIBLE ENERGY

at 13.40 hrs – Auditorium

Film by Lynn SILVERMAN

about the 1984 run at UA1 : preparations, data collection, analysis.