

Closed session

Tuesday 3 June at 09.00 hrs in the 6th floor
Conference Room.

Monday 2 June

CAS ACCELERATOR SEMINAR

at 14.30 hrs - LEP Auditorium
last floor of bldg 30

Chaos in accelerators

by F. SCHMIDT / DESY, Hamburg

Nonlinearities such as high-order multipole fields due to magnet imperfections may lead to chaotic behaviour of particles in an accelerator. In order to study particle losses caused by this chaotic motion, long-time tracking has been performed for the proton ring of HERA using the RACE-TRACK code. The characteristic Lyapunov exponent is used to distinguish regular motion from chaotic motion. The motion can be visualised by looking at phase space plots at a certain observation point in the accelerator. A film will show the dynamical development of the motion in 2- and 4-dimensional phase space. Colour is used to get a feeling for the 4-dimensional phase space dynamics.

TRAINING AND EDUCATION ENSEIGNEMENT

Mardi 3 juin

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

Monday 2 June

EP SEMINAR

at 16.30 hrs - Auditorium

Exploring the pomeron :

pomeron-pomeron collisions at the CERN ISR

by M. DALLAVALLE / CERN

Proton-proton interactions which result in a central cluster of mass M_c and two quasi-elastically scattered protons are generally described by pomeron-pomeron scattering. A study of this process at ISR energies with the SFM is carried out. It is shown that the transverse component of the pomeron momentum accounts for :

- the production of high transfer momentum (up to 3 GeV/c) central particles,*
- the low transverse momentum exponential behaviour of the transverse momentum distribution.*

This can lead to an understanding of the phenomenon of pomeron exchange and gives a hint to reveal the role of partons in soft hadronic processes.

Wednesday 4 June

PS SEMINAR

at 11.00 hrs - PS Auditorium
bldg 6, 2-024

JETSET : a novel technique to use antiprotons in LEAR

by Mario MACRI / CERN

ENSEIGNEMENT GENERAL Tél. 2844

Jeudi 29 mai

de 13.00 h à 13.30 h - Amphithéâtre
Science pour tous
par R. CARRERAS

ACADEMIC TRAINING Tel. 2844-3364

Monday 26 May

at 14.00 hrs - Auditorium
PLEASE NOTE UNUSUAL TIME

Quantum mechanics and this specific universe

by M. GELL-MANN / Caltech

Lecture 2

26, 27, 28, 29 and 30 May

11.00 to 12.00 h - Auditorium

Standard electroweak interactions

by P. ZERWAS / RWTH, Aachen & CERN

A series of five lectures

10 to 12 June

from 09.00 to 12.00 hrs and 14.00 to 17.00 hrs

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 IBM and CDC 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

Lectures will be given in the morning sessions, and the afternoons will be 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

The attendance will be limited by the number of available terminal lines. For more information and to register, please call Mrs. Monique ANTAL / DD Division, tel. 2396.

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

Du 3 au 5 juin 1986

Hall du Bâtiment de l'Administration
(Bât. 60-1^{er} étage)
09h00- 17h30

LA HOLLANDE AU CERN

Plus de quarante entreprises présenteront le dernier cri de leur technologie à l'exposition 'La Hollande au CERN'. Les industries hollandaises exposeront des produits et des techniques spécialement en rapport avec la physique des particules.

Les principaux secteurs représentés sont les suivants:

- Energie électrique et électronique de puissance
- Pièces mécaniques lourdes
- Petites pièces mécaniques et pièces mécaniques de précision
- Instrumentation électrique et mécanique
- Electronique et logiciels
- Pièces et structures non métalliques.

L'exposition est organisée par l'Association des Industries mécaniques et électriques (FME) en coopération avec Dutch Scientific. Elle est placée sous les auspices de l'Agence néerlandaise du Commerce extérieur.

Vous trouverez ci-après :

- la liste des exposants (qui figurera également, ainsi que leur adresse, dans l'édition du Courrier CERN de mai).
- la liste des conférences qui sont prévues pendant l'exposition.

Vous pourrez obtenir, en temps utile, un programme détaillé :

- au secrétariat de votre division
- au service de Documentation, bât. 64, R-002
- à l'exposition même.