

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

ACADEMIC TRAINING Tel. 2844-3364

16, 17 et 18 avril

11.00 à 12.00 h - Amphithéâtre
Biologie moléculaire (in French)
par F. GROS / Institut Pasteur, Paris

5, 6 and 7 May

11.00 to 12.00 h - Auditorium
Hadron production in soft & hard collisions
by W. OCHS / Max-Planck Institute, Munich

23 May

at 16.00 hrs - Auditorium

26 May

at 14.00 hrs - Auditorium
PLEASE NOTE UNUSUAL TIMES
Quantum mechanics and this specific universe
by M. GELL-MANN / Caltech

26, 27, 28, 29 and 30 May

11.00 to 12.00 h - Auditorium
Standard electroweak interactions
by P. ZERWAS / RWTH, Aachen & CERN

9, 10 and 11 June

11.00 to 12.00 h - Auditorium
Collider physics
by G. ALTARELLI / University of Rome

16, 17, 18, 19 and 20 June

11.00 to 12.00 h - Auditorium
Trends and limits of detectors
by F. PIUZ and F. SAULI / CERN

23, 24, 25, 26 and 27 June

11.00 to 12.00 h - Auditorium
The physics of particle acceleration
by J.D. LAWSON / Rutherford Appleton
Laboratory

The abstract of the lectures, as well as any changes in the above details (dates, time, places, title, etc.) will be published in the CERN Bulletin and by Notices before each series of lectures.

INFORMATICS TUTORIAL 1986-1

22 to 25 April

from 09.00 to 12.00 hrs and 14.00 to 17.00 hrs

ORACLE,
a relational data base management system
by Niek ACKERMANS and Hans HILTE /
ORACLE Corporation Europe

Presentation

ORACLE is a relational data base management system based on the SQL query language, developed as a commercial product by Oracle Corporation. It is used at CERN for the LEP construction, and is now available on the VM/CMS Central Computers for general use.

Audience

The course is intended for those users of the CERN Central Computers who are considering data base applications.

Topics

- Introduction to relational data base management and SQL;
- Overview of the ORACLE System;
- The SQL language;
- UFI, the User Friendly Interface;
- IAF, the Interface Application Facility;
- Access to ORACLE from FORTRAN programs.

Timetable

Tuesday 22, morning of Wednesday, Thursday, Friday : lectures.

Wednesday, Thursday, Friday, afternoon : students must arrange to have access to a PA or VT100-compatible terminal, connected to VM/CMS (lecturers and ORACLE experienced CERN programmers will be available for answering queries).

Material

Course notes by ORACLE Corporation.

Registration

Please request an application form from Mrs. Monique ANTAL/DD, tel. 2396, and return it before 8 April.

About the lecturers

Niek Ackermans is responsible for data base engineering and training at ORACLE Corporation Europe. He developed support tools for information analysis at the DBM Research Lab. of CDC in Brussels, and later worked as designer and consultant in the Benelux and USA. Hans Hilde is a senior tutor at ORACLE Corporation, and also a member of the Technical Support department. He has implemented data bases in the manufacturing industry for production control.