

Thursday 10 December

PRESENTATION

from 10.00 to 12.00 hrs approx.
DD Auditorium, bldg 31, 3-005

**Software development tools
for microprocessor applications**

by C. CHENU / Technical Director,
Ready Systems France

TRAINING AND EDUCATION ENSEIGNEMENT

Mardi 1er décembre

LES SCIENCES AUJOURD'HUI

à 20.00 h précises – Amphithéâtre
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 les 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 3 décembre

de 13.00 h à 13.30 h – Amphithéâtre

Science pour tous

par R. CARRERAS

ACADEMIC TRAINING

Tel. 2844-3364

1 & 2 December

11.00 hrs to 12.00 hrs – Auditorium

**The solar neutrinos problem
Dark matter in the Universe**

by E. SCHATZMAN / Observatoire de Nice

INFORMATICS TUTORIAL 1987-3

Announcement

Lecturer

René BRUN / CERN-DD

Title

PAW, the Physics Analysis Workstation

Dates

Series 1 : Tuesday 15 and Wednesday 16 December

Series 2 : Thursday 17 and Friday 18 December

Subject

PAW is conceived as an instrument to assist physicists in the analysis and presentation of their data. It provides interactive graphical presentation and statistical or mathematical analysis, working on objects familiar to physicists like histograms, event files (n-tuples), vectors, etc.

PAW is intended to be useful to any physicist with minimal notions of computing, at least at the basic level of usage. It requires, in principle, no long learning phase before getting started. Simultaneously, it is thought to become a powerful and efficient tool in the hands of a more experienced user, with practically limitless extension possibilities through added programs at the FORTRAN level. PAW is primarily intended to be the last link in the analysis chain of experimental data. It may conceivably also be used as a data presentation package in a data acquisition environment. It has, therefore, access facilities for experimental data, if these have been formatted by the popular package HBOOK, or for any FORTRAN data.

The PAW environment includes the following packages :

- HBOOK4 : a new version of the histogramming package
- HPLLOT5 : a new version of the graphics package of HBOOK
- HIGZ : a high level interface to GKS
- KUIP : a user interface system (command mode and menus)
- COMIS : a Fortran interpreter
- SIGMA : an array manipulation language
- ZEBRA : a data structure management system

At present the PAW system is running on APOLLO workstations, VAXes and on the IBM VM/CMS.

Registration

The two series of two day lectures will be devoted to hands-on experience with the PAW system. Examples on how to use PAW on various computer systems and workstations will be given. The number of participants will be limited to 20 for each series. If you are interested in attending please send an electronic mail message to

INFOTUTO@CERNVM

Lecturer

René Brun is a Senior application programmer in the User Support group, Data Handling division. Physicist by education, he has a long experience in writing large software tools for data analysis. He is one of the main authors of packages like GEANT, HBOOK, HPLLOT, ZBOOK, ZCEDEX and ZEBRA.