

TRAINING AND EDUCATION ENSEIGNEMENT

SUMMER STUDENT LECTURES

This week

Mon. 18 July	09.00	V.L. Telegdi	Experiments on discrete symmetries (1)
	10.30	V.L. Telegdi	Experiments on discrete symmetries (2)
Tue. 19 July	09.00	V.L. Telegdi	Experiments on discrete symmetries (3)
	10.30	C. Fabjan	Detectors, electronics and data acquisition for particle experiments (1)
Wed. 20 July	09.00	E. Wilson	An introduction to accelerators, past present and future (5)
	10.30	C. Fabjan	Detectors, electronics and data acquisition for particle experiments (2)
Thu. 21 July	09.00	R. Stock	The search for quark matter (1)
	10.30	C. Fabjan	Detectors, electronics and data acquisition for particle experiments (3)
Fri. 22 July	09.00	E. Amaldi	The search for gravitational waves
	10.30	C. Fabjan	Detectors, electronics and data acquisition for particle experiments (4)

Next week

Mon. 25 July	09.00	V. Cavasinni	Soft hadron-hadron interactions (1)
	10.30	W. Bell	Detectors, electronics and data acquisition for particle experiments (5)
Tue. 26 July	09.00	V. Cavasinni	Soft hadron-hadron interactions (2)
	10.30	D. Sendall	Detectors, electronics and data acquisition for particle experiments (6)
Wed. 27 July	09.00	R. Stock	The search for quark matter (2)
	10.30	D. Sendall	Detectors, electronics and data acquisition for particle experiments (7)
Thu. 28 July	09.00	--	--
	10.30	--	--
Fri. 29 July	09.00	D. Treille	The search for Higgs (1)
	10.30	D. Treille	The search for Higgs (2)

All lectures are given in English and are held in the Auditorium.

Fellows and Associates Service
Tel. 4471

INFORMATICS TUTORIAL 1988-4

Announcement

Lecturers: Tools and Packages Section, CERN, User Support Group, DD Division

Title: PAW, The Physics Analysis Workstation

When: Tuesday 26th and Wednesday 27th of July 1988

Where: DD Divisional Workstation Training Room 513-1-21

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
- HPLOT5: 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.

The PAW system runs on APOLLO workstations, VAXes and on IBM's VM/CMS.

Registration: The 2 day lecture 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 16 for each series. If you want to attend and if your direct supervisor agrees, you should send an electronic mail message to **INFOTUTO@CERNVM**, indicating your name as well as your preferred electronic mail address.

Lecturers: René Brun is a senior programmer in DD division and is head of the **Tools and Packages** section in the **User Support** Group. Carlo Vandoni and Pietro Zanmarini are members of the same section and have respectively contributed mainly to the SIGMA and KUIP parts of the PAW package.