

ACADEMIC TRAINING

Tel. 2844-3364

23, 24 & 25 November

11.00 hrs to 12.00 hrs – Auditorium

Introduction to vector processing

by H. LIPPS / CERN-DD

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

The first predictions, thirty years ago, of an easy detection of the neutrinos produced by the Sun, led to a large and difficult experiment, with the result that the solar neutrinos flux, produced by the decay of boron 8 is three to four times smaller than expected. The lecture will describe the basic ingredients of a solar model, the reliability of the discrepancy, the test of the models by heliosismology, and the possible explanations of neutrinos deficiency (including the Mikheyev-Smirnov-Wolfenstein effect). New experiments are in view, especially the European project Gallex (detection of the neutrinos from the p-p reaction with 30 tons of gallium). The mass to luminosity ratio in the Universe seems, at first look to depend on the size of the system. The methods for measuring the mass to light ratio are described, the need for a careful analysis is presented, the possible meaning of the results is given; this includes dynamical methods and indirect methods like the primordial nucleosynthesis, and theories of galaxies formation.

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.

INFORMATIONS

GENERALES

GENERAL INFORMATION

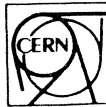
SERVICE MEDICAL

Le Service médical vous remercie de ne pas favoriser d'une manière ou d'une autre l'élevage et la prolifération des chats sur le site du CERN. En effet, récemment une de ces bêtes est allée mourir dans un caniveau difficilement accessible du bâtiment 378 et a ainsi répandu des odeurs pestilentielles dans la salle de contrôle MCR du PS et le hall sud. Ces animaux non contrôlés, sauvages, constituent un vecteur de maladies infectieuses et font en outre courir à nos collègues des risques inutiles et des désagréments certains. Il est donc inutile de favoriser leur multiplication.

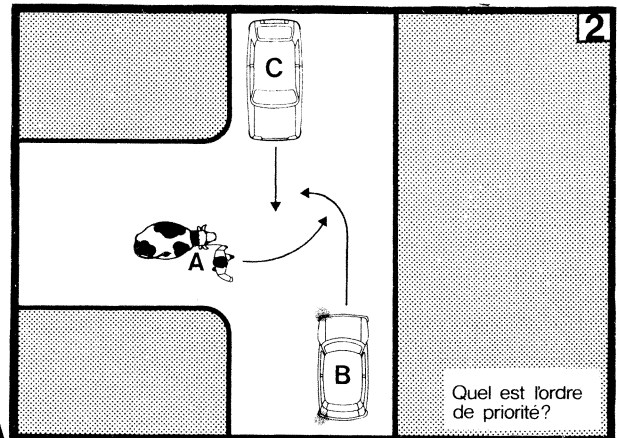
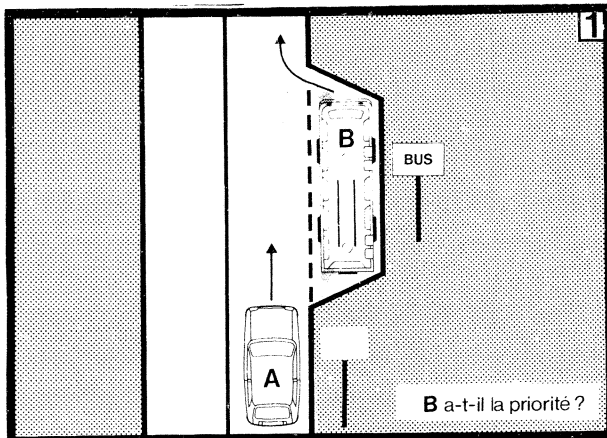
Dr E.P. Maquet
Service Médical



SECURITE

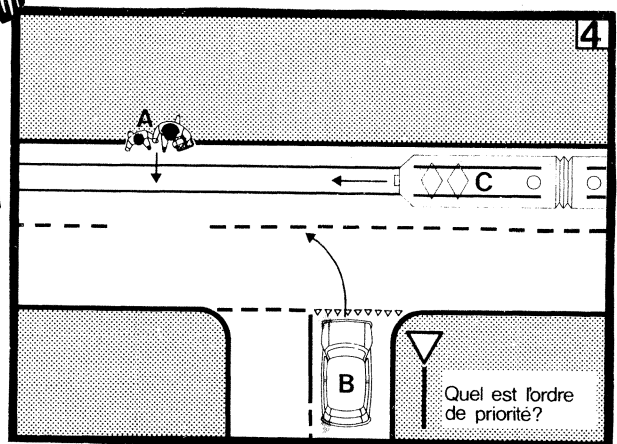
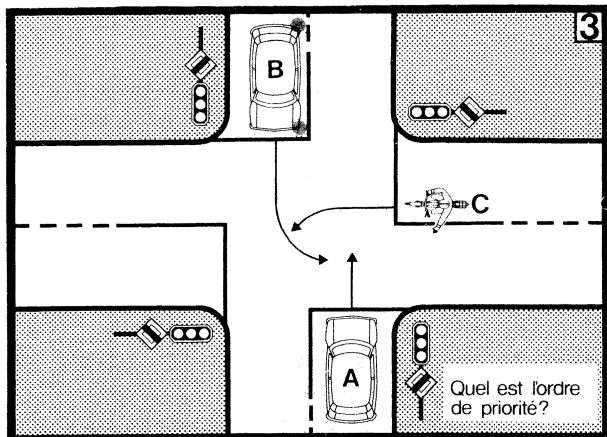


ROUTIERE



vous hésitez !!

venez nous voir



CAMPAGNE du 19 novembre

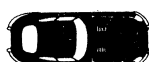
au 6 decembre


 PROGRAMME


DATE - LIEU	ORGANISMES	ACTIVITES
19 NOVEMBRE BAT.864 1ER	PREVENTION ROUTIERE	TEST DE LA VUE FILMS.INFORMATIONS
21/ 22 NOVEMBRE CAR CLUB CERN	AUTOMOBILE CLUB CERN ETS. FLORY (GENEVE) ETS.NUSSLI (VERNIER)	SUR CONVOCATION - CONTROLE VEHICULE - CONTROLE ANTI-POLLUTION
23 NOV/ 27 NOV. BAT 60 REZ		FILMS (*) - CONCOURS EXPOSITIONS - DOCUMENTATIONS
24 NOVEMBRE BAT.562	PREVENTION ROUTIERE ET JARDIN D'ENFANTS	• LA VOITURE ET NOS ENFANTS
26 NOVEMBRE BAT.57 2EME	9H PREVENTION ROUTIERE ET JARDIN D'ENFANTS	LA VOITURE ET NOS ENFANTS
26 NOVEMBRE SALLE CONSEIL BAT.61 1ER SALLE CONSEIL BAT.61 1ER	10H30 PREVENTION ROUTIERE 11H45 I.S.P.A. 13H T.C.S.	L'ASSISTANCE ROUTIERE DEGUSTATION VIN SANS ALCOOL NOUVEAUTES DANS LES PANNEAUX DE SIGNALISATION



DATE	(*) TITRE DES FILMS	DUREE = 5 /10 MN
23 NOVEMBRE	CHANGEMENT DE DIRECTION . TENUE DE ROUTE DANS LES VIRAGES	
24 NOVEMBRE	CHARGES ET CHARGEMENT . VOITURES D'OCCASIONS	
25 NOVEMBRE	LES PNEUS . LES FREINS	
26 NOVEMBRE	MONTEES ET DESCENTES . REPARTITION DES MASSES	
27 NOVEMBRE	VITESSE . ENERGIE DE COLLISION	



A VENDRE AUX DIVISIONS

- 2 tables pour terminaux.

Faire offres à la Section Publications, tél. 4106 (le matin).

MODIFICATIONS DE TELEPHONES

M. Paul MARELLI : 7179

M. Pierre ROTH : 7197

Nous rappelons que, pour obtenir ces numéros, il faut composer d'abord le 8, attendre la tonalité, puis composer les 4 chiffres.

NOUVEAU BEEP

Yvonne RUOCCO/EF possède maintenant un beep. En cas d'absence au téléphone 5877, appeler le beep 3579.

Merci.

PROCHAINS CONCERTS

Mercredi 2 décembre 1987 à 20 h précises

Grand Auditorium du CERN.

Gruppo Musica Insieme di Cremona

direction: Pietro Antonini

soliste: Marco Fornaciari, violon
(Stradivarius ex-Joachim 1715)

Programme:

O. Respighi Antiche Arie e Danze per liuto
P. Locatelli Concerto in re mag. per violino e archi
L. Ferrero Adagio per violino e piano forte
E. Wolf-Ferrari Sinfonia da camera op. 8

Ce concert est placé sous le haut patronage de l'Ambassade d'Italie en Suisse

Vendredi 4 décembre 1987 à 20 h précises

Grand Auditorium du CERN

Ensemble Serenata - Genève

Programme:

J. Haydn Divertimento pour quintette à vent
R. Strauss Till Eulenspiegel einmal anders
W.A. Mozart Quintette avec piano en mi bém. maj. KV 452
G. Rossini Quatuor n° 6
N. Rimsky-Korsakov Quintette en si bém. maj.

Billets: Fr. 14.- en vente uniquement le soir du concert dès 19h en fonction des places disponibles

N.B. Le nombre de places dans l'Auditorium étant limité, les abonnés susceptibles de ne pas venir à ce concert sont priés de le faire savoir, afin que d'autres personnes puissent bénéficier de leur place, en téléphonant à G. Adam/SPS, tél. 4813, recherche 13-4006. Merci.

ADVISORY COMMITTEE OF CERN USERS (ACCU)

The next meeting of ACCU will be held on Friday 27 November 1987 at 14.00 hrs, with the following agenda :

1. Adoption of agenda
2. Apologies for absence
3. Minutes of previous meeting (CERN/ACCU/29)
4. Follow-up of items discussed at previous meeting
 - a. CERN Technical Boards
 - b. Role of ACCU
5. CERN Review Committee - user aspects
6. Office space
7. Computer matters
 - a. Security
 - b. Terminal lines
 - c. Future policy
8. Library matters
9. Any other business
10. Items for agenda of next meeting
11. Date of next meeting

ACCU is the forum for discussion between CERN management and a representative group of CERN users to review the practical means taken by CERN for the work of Users of the Laboratory. User members are :

AUSTRIA	W. Bartl
BELGIUM	T. MOUTHUY
DENMARK	H. Boggild
FRANCE	G. Sauvage (Chairman) H. Zaccane
GERMANY	K. Eggert H. Siebert
GREECE	C. Kourkoumelis
ITALY	V. Gracco C. Sciacca
NETHERLANDS	K. Bos
NORWAY	E. Lillethun
PORTUGAL	P. Bordalo
SPAIN	E. Higon-Rodriguez
SWEDEN	P.O. Hulth
SWITZERLAND	M. Werlen
UNITED KINGDOM	M. Albrow J.R. Carter
CERN	C. Fabjan P. Jenni

CERN management is represented by P. Darriulat (Directorate) and V. Goggi / EP with G.J. Bossen / PE as Secretary. The CERN Staff Association is represented by P. Igo-Kemenes. Other members of CERN staff attend as necessary for specific agenda items. Anyone interested in further information about ACCU is welcome to contact the appropriate representative, or the Chairman or Secretary (tel. 4472).