

Monday 2 April

EP SEMINAR

at 17.00 hrs – Auditorium

Results from ARGUS at PETRA

by P. BÖCKMANN / CERN-EP

Gluonic and radiative decays of the upsilon prime meson have been studied. The branching ratio for the decay upsilon prime $\rightarrow \pi^+\pi^-$ is measured to be $(17.9 \pm 0.9 \pm 2.1)\%$. The high statistics decay distributions for this process are consistent with a 2-gluon decay mechanism. The electromagnetic transition upsilon prime $\rightarrow \gamma^3P_J$ is investigated by means of converted photons. We find three lines at photon energies of 111.4 ± 2.0 , 129.5 ± 0.6 and 148.5 ± 2.1 MeV with an energy resolution of 1%. The observation of a charged object, possibly the strange-charmed F-meson at $(1970 \pm 5 \pm 8)$ MeV is presented in the decay channels $F \rightarrow \phi\pi$ and $F \rightarrow \phi 3\pi$. The D^0 -meson is observed in the decay $D^ \rightarrow \pi D^0$, where $D^0 \rightarrow K\pi$ and $D^0 \rightarrow K 3\pi$. The fragmentation function shows the expected behaviour. The production of B mesons at the upsilon (Ψ s) has been investigated.*

Tuesday 3 April

PRESENTATION

at 14.00 hrs – Council Chamber

The IBM personal computer

by Walter PLETSCHER / IBM, Zurich

Wednesday 4 April

CAS ACCELERATOR SEMINAR

at 14.30 hrs – LEP Auditorium

(top floor of bldg. 30)

The LEP synchrotron radiation vacuum experiment at Orsay

by A.G. MATHEWSON / CERN

Wednesday 4 April

CERN COMPUTER SEMINAR

at 16.00 hrs – Auditorium*

Distributed systems research at Lawrence Berkeley Lab.

by Joe SVENTEK / Lawrence Berkeley Laboratory, USA

Scientific work stations are currently being developed at a number of research laboratories. The effort at LBL has concentrated on research into the networking aspects necessary to make such work stations cost effective. Results in two areas will be presented: network performance and distributed graphics. High data-rate applications for scientific work stations require good understanding of the underlying network hardware. Although simulation studies give rough ideas as to the expected performance, it is necessary to measure actual network hardware to confirm these predictions. The performance measurements of two 10 Mbit/s network products (a token ring and an Ethernet) will be presented. The initial results indicate that the hardware performs quite differently from the predictions, especially under heavy load. A scientific work station should permit a scientist to access interactively the varied computational resources available. As a test of the viability of this assumption, extensive studies have been performed on the design and implementation of a distributed graphics capability across the internetwork of machines at LBL. The results of such studies will be presented.

The speaker will be at CERN from 2 April to 10 April, teaching a course on 'The UNIX programming environment'. He can be reached through P. Palazzi, phone 39 44.

* Tea and coffee will be provided at 15.30 hrs.

Thursday 5 April

ISOLDE SEMINAR

at 10.30 hrs – TH Conf. Room

A new kind of natural radioactivity

by H.J. ROSE / University of Oxford

TRAINING AND

EDUCATION ENSEIGNEMENT

ENSEIGNEMENT GÉNÉRAL Tél. 2844

Jeudi 29 mars

de 13.00 h à 13.30 h – Amphithéâtre

Science pour tous

par R. CARRERAS

ACADEMIC TRAINING Tel. 2844

27, 28, 29 and 30 March

at 11.00 hrs – DD Auditorium
(bldg. 31, 3-005)

Numerical methods for data and function approximation

by M.G. COX / National Physical Laboratory,
Teddington

2, 3, 4, 5 and 6 April

at 11.00 hrs – Auditorium

Identifying and assessing risks

by T.A. KLETZ / University of Technology,
Loughborough

Lecture 1 (of general interest) :

A review of hazard identification and assessment. How do we decide which risks are so large that we should try to reduce them, which so small that we should ignore them ?

Lecture 2 :

Hazard and operability studies or hazop – a technique for identifying hazards – will be described and illustrated.

Lectures 3-5 :

Hazard analysis or hazan – a technique for assessing hazards numerically – will be described and illustrated. Some pitfalls will be described and also some of the points that managers should watch when considering hazard analysis reports.

Lecture 1 will be an introduction to the series and will interest a wider audience. Lectures 2-5 will be more specialised.

Monday 2 to Friday 6 April

INFORMATICS TUTORIAL 1984-1 ANNOUNCEMENT

09.00 to 12.00 hrs

The UNIX programming environment

by Joe SVENTEK / Lawrence Berkeley
Laboratory, USA

Presentation

UNIX is a portable operating system developed at Bell Labs. Available on many types of computer, it is currently used on several thousand machines. It provides a flexible file system, a powerful command processor, a variety of commands that can easily be combined, and a set of development tools such as electronic mail, text editors, text processors, code managers, languages, data bases, precompiler tools, microprocessor cross-software, etc. The tutorial is intended for programmers already familiar with one or more programming environments who wish to get started on UNIX.

Topic

1. History. Why UNIX ? Getting started. The file system.
2. The Shell.
3. Filters.
4. Tools supporting program development.
5. Advanced Shell programming. The C language.

Course profile

Lectures will be given in the morning sessions, and part of the afternoons should be devoted to practical work (familiarity with the Wylbur editor is assumed).

Material

The participants will receive a copy of the book 'The Unix programming environment' by Kernigan and Pyke, copies of the transparencies used for the lectures and the 'Introductory manual to the PRIAM VAX service'.

Registration

The attendance will be limited to 50. Priority will be given to applicants intending to use UNIX in the immediate future. For more information and to register, contact Mrs Monique Antal, DD Division, phone 2396 as soon as possible.

INFORMATIONS

GENERALES

GENERAL INFORMATION

INFORMATION CIRCULATION

Des travaux de renforcement de la chaussée du CV05 'route du Bois de Serves' reliant les laboratoires de Meyrin et de Prévessin seront exécutés dans la semaine du 26 au 30 mars (travaux financés par l'Etat français).

Circulation par demi-chaussée en sens unique alterné.

A cette occasion, la circulation par le tunnel sous la RD 984 sera fermée pendant quelques heures pour permettre le raccordement des chaussées.

PRUDENCE!

TRAFFIC INFORMATION

Reinforcing of the CV05 'route du Bois de Serves' connecting the Meyrin and the Prévessin laboratories, will be carried out during the week from 26 to 30 March (work financed by the French Government).

There will be alternate one-way traffic using one carriageway.

On this occasion the traffic through the inter-site tunnel below the RD 984 will be interrupted for a few hours, to enable the link-up to be made.

BE CAREFUL!