

SEMINARS SEMINAIRES

Monday 16 June

PRESENTATION

from 09.30-16.00 hrs (informally)

DD Auditorium - bldg 31, 3-005

The Ferranti VARS-H graphic display system

by B. HINDLE / Ferranti Computer Systems,
Manchester

VARSH is a high level, retained display list graphics controller with powerful facilities for text, graphics and mixed, multiple page composition and generation. It incorporates the full functionality of GKS level 2c. VARSH will be demonstrated as a terminal to the Unimax Unix V and the PC 860 XT computers.

Monday 16 June

EP SEMINAR

at 16.30 hrs - Council Chamber

PLEASE NOTE UNUSUAL PLACE !

Eta and eta-prime as tools for glueball search with GAMS

by F.G. BINON / IISN, Belgium

States decaying into eta and eta-prime have been studied with the electromagnetic calorimeter GAMS. The experimental methods will be described briefly. New results on the G(1590)-meson and on a state at 2220 MeV will be reported. The role of eta and eta-prime mesons in the search for glueballs in light meson spectroscopy will be discussed.

Mardi 17 juin

PRESENTATION

de 09.30 à 11.30 h - Amphithéâtre LEP
7e étage, bât. 30

Présentation des périphériques pour Macintosh : Hyperdrive 2000, HyperNet.

par Michael Feinstein / General Manager Europe,
General Computer (USA)

Renseignements : F. Saldana / EP / tél. 6256 / 13-7030

Tuesday 17 June

CERN COLLOQUIUM

at 16.30 hrs - Auditorium*

Prospects for future high energy accelerators

by S. VAN DER MEER / CERN

A general exposé, aimed at non-specialists, of problems and ideas (both semi-conventional and far-fetched) in the field of future accelerators. The emphasis will be on electron-positron colliders.

* Tea and coffee will be provided at 16.00 hrs

Wednesday 18 June

PS SEMINAR

at 11.00 hrs - PS Auditorium

bldg 6, 2-024

The EHF Project

by F. BRADAMANTE / Trieste University

A feasibility study has been conducted for the European Hadron Facility (EHF), a high-current (100 micro-ampère) proton accelerator in the 30-40 GeV range. The Facility is asked for by a large community of European physicists, and is designed to provide polarized proton beams and a broad range of neutrino, pion, muon, kaon and antiproton secondary beams to carry on fundamental experiments in both nuclear and particle physics.

Wednesday 18 June

THEORETICAL SEMINAR

at 14.00 hrs - TH Conference Room

Bosonic string in background fields

The Hamiltonian formalism

by J. M. AHARON / CERN

The constrained Hamiltonian formalism is applied to the closed bosonic string in the presence of curved background field and antisymmetric tensor field. The algebra of constraints and the BRS charge are obtained. The Fradkin-Tseytlin generating function is presented in the phase space approach.

Wednesday 18 June

CERN COMPUTER SEMINAR

at 16.00 hrs - Auditorium*

CONIC : a flexible approach to building distributed systems

by Morris SLOMAN / Imperial College,
London

The Conic Software architecture developed at Imperial College London provides a flexible approach to building distributed systems. Large real-time or embedded systems do not remain static. The Conic architecture permits dynamical incremental modification and extension to a distributed system. This is achieved by separating the programming of module type definitions (programming in the small) from the configuration of a system from instances of these types (programming in the large). The Conic Programming Language provides a modular structure and message passing as an extension of Pascal, and allows the designer to specify the logical structure of a system and change it at run time. Experience of using Conic on a system of interconnected LSI chips will be discussed. The project has been funded by the National Coal Board of the UK to develop techniques for implementing networks of microcomputers for monitoring and control in coal mines.

* Tea and coffee will be provided at 15.30 hrs.

Dr Morris SLOMAN has a B.Sc. in Electrical Engineering from the University of Cape Town with a degree in Computer science from the University of Essex. After working for GEC Computers Ltd he joined the Department of Computing at Imperial College as a lecturer in 1976. He is one of the principal investigators of the CONIC Project. His research interests include distributed real-time systems, computer communications, management of distributed systems and databases for real-time systems.

Thursday 19 June

PRESENTATION

at 10.30 hrs - DD Auditorium
bldg 31, 3-005

VMEbus products from ROBCON OY (Helsinki)

by Kari SUTINEN / Manager Research and Development and Raimo MALILA / Sales Manager

Robcon OY will present their advanced VMEbus product line which includes a high performance MC68020 based CPU module. In addition, they will give information on their future product plans. At 14.00 hrs on the same day and at the same location, the Robcon representatives will be available for informal discussions.

Thursday 19 June

CERN COLLOQUIUM

at 16.30 hrs - Auditorium*

Muon-catalyzed fusion revisited

by Steven E. JONES / Brigham Young University, Provo, Utah, USA

A long-standing dream of high-energy physicists is being re-examined in light of recent discoveries. Thirty years ago, Andrei Sakharov and F.C. Frank advanced the notion that an elementary particle could induce nuclear fusion. Muon-induced proton-deuteron fusion was first observed by Luis Alvarez at Berkeley in 1956 and described in detail by David Jackson. In principle, a muon can induce more than one hydrogen fusion reaction, but rarely was catalysis observed. Renewed interest stems from the recent discovery that resonance phenomena greatly enhance muon catalysis in deuterium/tritium gases. Indeed, over 150 D-T fusions per muon (average) have been detected at LAMPF. The latest results and their implications will be discussed.

* Tea and coffee will be provided at 16.00 hrs.

Monday 23 June

PRESENTATION

at 10.00 hrs - DD Auditorium
bldg 31, 3-005

UNIX and Networking for the Cray X-MP

by Don MASON and Dave THOMSON / Cray Research, Minneapolis

Cray Research has reported the Unix Operating System to the X-MP and Cray 2 machines, and provided general purpose networking support, using the TCP/IP family of protocols, in addition to the traditional connection to front-end systems using the Cray Station Protocol. The talk will include an overview of these products for the X-MP system, with particular attention to enhancements and modifications necessary to achieve high performance.

Monday 23 June

EF SEMINAR

at 11.00 hrs - EF Conference Room

Report on the 3rd Pisa Meeting on advanced detectors held in Castiglione della Pescaia (Italy), June 2-7, 1986

by T.C. MEYER / CERN

The 3rd Pisa Meeting on advanced detectors reviews the latest developments in instrumentation for present and future detectors. The program includes sessions on calorimetry, tracking devices, lepton identification, heavy flavor tagging and more specialized apparatus dedicated to the detection of rare events. The talk will give a general overview of the conference contributions and possibly highlight a few selected topics.

Monday 23 June

EP SEMINAR

at 16.30 hrs - Auditorium

New results from CLEO on b quarks and upilon spectroscopy

by Michael OGG / Cornell University, Ithaca, NY

New results will be presented on exclusive and inclusive B meson decays. The relation between the hadronic decays and the semi-leptonic decays will be discussed, in particular its bearing on the measurement of b-u transitions. Data on the dipion transitions from the Upsilon (3S) bound state will also be shown, together with new measurements of the dipion mass distribution.

TRAINING AND

EDUCATION ENSEIGNEMENT

ENSEIGNEMENT GENERAL

Tél. 2844

Jeudi 19 juin

de 13.00 h à 13.30 h - Amphithéâtre

Science pour tous

par R. CARRERAS

ACADEMIC TRAINING

Tel. 2844-3364

16, 17, 19 and 20 June

11.00 to 12.00 h - Auditorium

Trends and limits of gaseous detectors

by 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

Particle accelerators depend on the interaction between electric fields and free charges. Such interaction, relevant