

SEMINARS SEMINAIRES

Monday 2 May

EF SEMINAR

at 11.00 hrs – EF Conference Room,
bldg. 13, 2-005

**The Padova Conference on specialized
processors in elementary particle physics**

by B. HECK / CERN-EF

On summary of the 'Three day in-depth Review on the Impact of Specialized Processors' will be given. Examples from on-line trigger, processors, multi processing systems, hardware emulators and array processors will show the broad spectrum of applications in experimental and theoretical physics. Current activities and developments in the computer industry will be described briefly.

Mardi 3 et mercredi 4 mai

PRÉSENTATION TECHNIQUE

Mardi 3 mai :

de 09.00 h à 12.00 h – bât. 17, 1-007

Mercredi 4 mai :

de 09.00 h à 12.00 h – bât. 864, 2-B12

OTTET (CH), représentant Aroflex, ZW Hydraulique (CH), Frank et Pignard (F), Gerardi, Raripress (I), Carter (D/USA), CIC, Eckart (D), Nutron, W. and G. - Whitman General Corp. (USA), propose en exposition-démonstration :

- vannes proportionnelles, etc.
- éléments pour le contrôle des pressions et des électrovannes
- vannes hydrauliques normalisées
- moteurs hydrauliques
- vérins rotatifs et pivotants
- pompes à débit variable
- unités de filtrage pour la purification des huiles
- matériel hydraulique à haute pression
- vérins normalisés et spéciaux
- étaux modulaires

Langue : français

Renseignements : M. Diraison / FI / 4585

Tuesday 3 May

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Council Chamber

QCD on the lattice

by R. PETRONZIO / CERN

A review of the present status of computer simulations of lattice QCD is given with particular emphasis on the results obtained when quarks are included. A critical discussion of the latest 'data' will be made.

*) Tea and coffee will be provided at 16.00 hrs.

Mercredi 4 mai

PRÉSENTATION TECHNIQUE

de 9.30 h à 12.00 h et de 14.00 h à 16.30 h –
bât. 578, R-022

WILLI VOEGTLIN (CH), représentant Brokhorst (NL), propose en démonstration-exposition du matériel de mesure, de régulation de débit et de pression de gaz, d'analyse de mélanges gazeux.

Langues : anglais, français

Renseignements : M. Diraison / FI / 4585

Wednesday 4 May

THEORETICAL SEMINAR

at 14.00 hrs – Theory Conference Room

SU(3) × SU(2) × U(1) from supergravity

by P. FRE / Turin University

It is shown that $D = 11$ supergravity admits an infinite class of solutions with $SO(2,3) \times SU(3) \times SU(2) \times U(1)$ symmetry classified by a rational number p/q . All symmetries are broken except for $p/q = 1$ when $N = 2$ supersymmetry survives.

Thursday 5 May

TECHNICAL PRESENTATION

from 09.00 hrs to 12.00 hrs – Bldg. 73, 2-027

ULRICH MATTER AG (CH) representing Gossen GmbH (D) will organize the following demonstration :

- GOSSEN unipolar and bipolar fast power operational amplifiers with built-in bidirectional IEC (IEEE)-Interface
- GOSSEN IEC-Programmer, an interface between the IEC (IEEE)-bus and laboratory power supplies with analog programming input.
- GOSSEN-System-Konstanter, laboratory power supplies for hand and remote operation with regulated d.c. voltage and current outputs in a large range.

Languages : English (French and German on request)

Renseignements : M. Diraison / FI / 4585

Thursday 5 May

DD SEMINAR

at 16.00 hrs – DD Amphitheatre,
bldg. 31, 3rd fl.

Writing Optimizable FORTRAN

by R.G. SCARBOROUGH / IBM, Palo Alto
Scientific Centre

The IBM Fortran compilers are capable of performing high levels of optimization of your programs. It is possible, however, for you to write programs in ways that obscure or defeat the possible optimizations. This talk will show how you can get the most out of your IBM Fortran and Enhanced Fortran 4 (NFORT) compilers. Some of the recommendations are specific to VS Fortran, and some apply to other compilers as well. The focus is intensely practical and examples are used to illustrate the suggestions.

Thursday 5 May

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Council Chamber

Experimental Meson Spectroscopy Conference Highlights and Conclusions

by L. MONTANET / CERN

The main results presented at the seventh International Conference on Experimental Meson Spectroscopy (BNL, April 1983) will be reported and discussed. They include results on light and heavy quark spectroscopy as well as a review of the glueball 'candidates'.

*) Tea and coffee will be provided at 16.00 hrs.

Lundi 9 mai

SÉMINAIRE EF

à 11.00 h – Salle de Conférence EF, bât. 13, 2-005

La physique au LEP

par H.F. HOFFMANN / CERN-EP

Monday 9 May

BEBC USERS' GROUP MEETING

at 14.00 hrs – Council Room

Agenda for the Twenty-ninth Meeting

1. New neutrino PS beam
2. Neutrino oscillation run
3. Present situation of the picket fence exploitation
4. Studies on the EMI efficiency
5. News about the proposal for a calorimeter in BEBC (to be presented at the Open Session of the SPSC, the 10 May).

Monday 9 May

EP SEMINAR

at 17.00 hrs – Council Chamber

Upsilon Spectroscopy – Results from CUSB at CESR

by F. PAUSS / CERN-EP

The CUSB detector at CESR has been used to study hadron and photon transitions of the upilon family (beauty quark-antiquark band states). A summary of the experimental status on upilon spectroscopy is presented and emphasis is put of the latest results obtained from a recent upilon prime run at CESR.

Tuesday 10 and Wednesday 11 May

SPS EXPERIMENTS COMMITTEE

Agenda for the Ninety-third Meeting

OPEN SESSION

Tuesday 10 May at 09.00 hrs – Main Auditorium

1. Status Report on NA4 (Inclusive Deep Inelastic Muon Scattering and Search for Multimuron Events; A. Staude).

2. Status Report on NA9 (Study of Final States in Deep Inelastic Muon Scattering; H.E. Montgomery).
3. Proposal to Study Neutrino-Electron Scattering at the SPS (CERN-Hamburg-Naples-Rome-Moscow Collaboration; J. Panman; SPSC 83-24/P 186).
4. Proposal to Equip BEBC with an Internal Electromagnetic Calorimeter (Amsterdam-Bari-Bergen-Birmingham-Bologna-Brussels (IIHE)-CERN-Demokritos-Ecole Polytechnique-Illinois Institute of Technology-Imperial College-Munich-Saclay-Torino-Tufts University-University College London Collaboration; W. Van Doninck; SPS 83-28/P 187).

CLOSED SESSION :

Tuesday 10 May at 14.00 hrs –

Sixth Floor Conference Room, Administration Building. (Continuation next day at 09.00 hrs.)

Tuesday 10 May

CERN COLLOQUIUM

at 16.30 hrs – Auditorium

Non-equilibrium Thermodynamics and Degenerate Disease

by R.J. ELLIS / Los Alamos and CERN

Mercredi 11 mai

SÉMINAIRE ADMINISTRATION

à 11.00 h – Salle de Conférence TH

La protection des données informatiques

par M. BABOULAZ / CERN-MI

TRAINING AND EDUCATION ENSEIGNEMENT

EXTERNAL SEMINAR FOR ENGINEERS

The University of Surrey/UCLA Extension announces a 5-day seminar

THE TECHNOLOGY OF FIBRE REINFORCED PLASTICS COMPOSITES : FABRICATION, PROCESSING AND PERFORMANCE.

Dates : 18-22 July 1983

Venue : GUILDFORD / Surrey, GB

Price : £ 415.- (cours, meals, accommodation).

Those who wish to have more information should contact

E. Fischer, 5811

J. Huguenin, 3364

M. Pincott, 3674 (morning only)

Personnel Department
Education Services