

SEMINARS SEMINAIRES

Monday 27 June

SPECIAL PS ACCELERATOR SEMINAR

at 11.00 hrs – Auditorium

Electrons and damping

by E. J. N. WILSON / CERN-PS

The course is intended for anyone with a technical or scientific background who would like to become familiar with the principles of accelerator design. The level of the course is chosen with the intention of preparing those with no specialist knowledge of accelerator theory for the CERN Accelerator School in September, but it will also be of interest to a much wider audience from all the technical Divisions. This is the sixth in a series of seven talks on all aspects of circular machines which will cover in a simple way the principles of focusing, betatron motion, dispersion, chromaticity, radio frequency systems and phase stability and beam instabilities. The special features of electron machines will be emphasized in preparation for LEP.

Monday 27 June

OS9 – USERS' MEETING

at 14.00 hrs – DD Auditorium
bldg 31, 3-005

1. Priam activities
2. Other DD activities
3. News and new products
4. User reports
5. Future Kernel
6. Discussion

Monday 27 June

ELECTRONICS SEMINAR

at 14.00 hrs – Council Chamber

Custom VLSI developments at LBL

by Stewart A. KLEINFELDER / Lawrence
Berkeley Laboratory

Tuesday 28 June

TECHNICAL PRESENTATION

at 09.00 hrs – PS Auditorium
bldg 6, 2-024

LTC, Linear Technology USA) seminar organized by Primotec AG (CH).

Agenda

- Presentation Primotec / LTC
- Linear ICs (history)
- LTC company profile
- Product overview
- OpAmps : precision , low noise, super micropower.*
- Regulators : low drop out regulators, pulse with regulator.*

References

*Comparators : ultra-fast + low power comparators
Interface IC / AD-converters, AD-converters, AD
system on chip
Filter + other ICs, CMOS SC-filter*

- SMD products available
 - MIL program / 883 / 38510 / class S
 - Quality + reliability
 - Applications + design aids
- End at about 12.15 hrs.*

Language : English

Information : M. Diraison / FI / 4585

Mardi 28 juin

PRESENTATION TECHNIQUE

09.00 à 12.00 h & 14.00 à 16.30 h
Amphithéâtre LEP, bât. 30, 7e étage

Kontron Electronic AG (CH) propose une présentation du logiciel P-CAD:

09.15 - 12.00 h :

Présentation par R. Mathieu / P-CAD, Bruxelles

- Master Designer (env. 2 h)
- PC-Trans interface autocad
- Helios CAO calculs de dégagement de chaleur des circuits imprimés, circuits intégrés, SMD, hybrides

14.00 - 16.30 h :

Réunion des utilisateurs P-CAD avec bref résumé de la présentation qui a eu lieu le matin. But : support technique sur place par R. Mathieu / P-CAD, Bruxelles. (Le CERN possède actuellement 50 installations P-CAD pour la conception schématique jusqu'aux circuits imprimés!)

Langue : français

Renseignements : M. Diraison / FI / 4585

Tuesday 28 June

PRESENTATION

at 14.00 hrs – DD Auditorium
bldg 31, 3-005

Motorola Microprocessor developments

by D. McCARTNEY / RISC Products Marketing
Manager & T. TAYLOR / 68000 Products
Marketing Manager, Motorola, East Kilbride

The speakers will present the newly announced RISC processor set, the 88000, and discuss the latest development in the 68000 CISC processor family : the 68030 and 68040.

Language : English

Information : C. Parkman/3963/PMN@CERNVM

Wednesday 29 June

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

Non compact formulation of gauge theories on the lattice

by F. PALUMBO / Naples

Yang-Mills theories are formulated on the lattice by expressing all the fields in terms of gauge invariants and pure gauge degrees of freedom, and defining all these variables on the sites. The resulting theory is non-compact. By strong coupling expansion it is shown that quarks are confined but the quark-quark wave function has a behaviour incompatible with an effective linear potential.

Mercredi 29 juin

TIS SEMINAR

à 14.30 h – Baraque Enseignement (salle de cours)
bât. 593, salle 11

Anomalies chromosomiques lymphocytaires chez les travailleurs exposés aux radiations ionisantes, à l'amiante et au tabac

par le Prof. A. HIRSCH / Hôpital St-Louis,
Paris, Mme S. Richardson / INSERM, Villejuif,
M.T. DOLOY / CEA & J.-P. DISS / CERN

Une étude visant à rechercher les anomalies chromosomiques lymphocytaires éventuelles survenant chez des personnes du CERN exposées aux radiations ionisantes, à l'amiante et au tabac a été entreprise avec le concours de l'INSERM (Institut National de la Santé et de la Recherche Médicale) et du CEA, France. Les résultats de cette étude, et spécialement des effets isolés et/ou combinés, seront discutés et leur incidence sur les actions de prévention sera commentée.

Thursday 30 June

EP SEMINAR

at 16.30 hrs – Auditorium

The next EMC effect

by R. JAFFE / MIT

Polarized structure functions on nuclei are sensitive to non-nucleonic degrees of freedom. Implications for future experiments with polarized targets are discussed.

Friday 1 July

MEETINGS ON

PARTICLE PHYSICS PHENOMENOLOGY

at 11.00 hrs – TH Conference Room

J/ψ suppression by the hadron gas

by J. PISUT / CERN & University of Bratislava

Present NA38 data are not in disagreement with the assumption that most of the J/ψ suppression observed is due to J/ψ absorption in hadron gas produced in heavy ion collisions. Other possible explanations will be mentioned briefly – to the extent permitted by the rather limited understanding of the speaker. Open problems will be discussed in more detail.

Friday 1 July*

SPECIAL PS ACCELERATOR SEMINAR

at 11.00 hrs – Auditorium

Space charge and instabilities

by E. J. N. WILSON / CERN-PS

** Please note unusual day!*

This is the last in the series of seven talks on all aspects of circular machines which covered in a simple way the principles of focusing, betatron motion, dispersion, chromaticity, radio frequency systems and phase stability and beam instabilities.

Tuesday 5 July

SPS EXPERIMENTS COMMITTEE

Open session

at 09.00 hrs – Auditorium

1. Status report on the antiproton accumulator complex (F. Pedersen).
2. Status report on NA34 (Lepton production; N.A. McCubbin).
3. Status report on NA37 (Detailed measurements of structure functions from nucleons and nuclei; D. von Harrach).
4. Status report on NA34/2 (Study of high energy densities over extended nuclear volumes via nucleus-nucleus collisions : SPSC 88-21/P 203 Add. 1; H.J. Specht and W. Willis).
5. Status report on NA36 (Production of strange baryons and antibaryons in relativistic ion collisions : SPSC 88-23/P 196 Add. 1; C.R. Gruhn).
6. Status report on NA38 (Study of high-energy nucleus-nucleus interactions with the enlarged NA10 dimuon spectrometer : SPSX 88-24/P 211 Add. 2; L. Kluberg).
7. Study of electron pair production in hadron and nuclear collisions at the CERN SPS (Heidelberg-Weizmann Institute Collaboration : SPSC 88-25/P 237; H.J. Specht).

Closed session

Tuesday 5 July at 15.00 hrs – 6th floor
Conference Room, Administration building
(to be continued on Wednesday 6 July at 09.00 hrs).

Thursday 7 July

APOLLO USERS' MEETING

at 10.00 hrs – DD Auditorium

1. Introduction (Ian Willers)
2. User presentation : Apollos in SPS/LEP (Pal Anderssen)
3. Maintenance and purchase (Soren Olofsson & Ian Willers)
4. Support issues : including domain / OS, help : DELPHI and the Users' Guide, training requirement, disk backup, CERN library, requirement for Telnet into the Apollo system, central user registration and text processing (Franco Carena, Soren Olofsson and Ian Willers)
5. Possible collaboration on Appolo and IBM connections (Ian Willers)
6. Any other business.