

SEMINARS SEMINAIRES

Monday 12 November

PPE SEMINAR

at 16.30 hrs – Auditorium

Polarization measurements at LEP

by Bernd DEHNING / Max-Planck-Institut –
LEP Polarization Group

Polarization studies at LEP started at the last run and will be continued next year with the aim to improve the beam energy calibration. Furthermore, the longitudinal polarization program for LEP will depend on the attainable degree of polarization. The recent measurements will be presented and discussed. An outlook will be given for the next run schedule.

Tuesday 13 November

PROTON SYNCHROTRON AND SYNCHRO-CYCLOTRON COMMITTEE AND SPS EXPERIMENTS COMMITTEE

Open session

at 09.00 hrs – Auditorium

LEAR

1. Status report on PS 170 (Precision measurement of the proton electromagnetic form factors in the time-like region and vector meson spectroscopy; P. Dalpiaz).
2. Status report on PS 200 (Measurement of the gravitational acceleration of the antiproton; M.H. Holzschneider).
3. Status report on PS 201 (Study of $\bar{p}$ and $\bar{n}$ annihilations with OBELIX; T. Bressani).
4. Status report on PS 202 (JETSET : Physics at LEAR with an internal gas jet target and an advanced general purpose detector; M. Ferro-Luzzi).
5. Extension of Experiment PS 199 (Further study of the spin structure of the $\bar{p}N$ scattering at LEAR; Cagliari (Univ./INFN) - Saclay (CEN DPhN and LNS) - Trieste (Univ./INFN) - Turin (Politecnico/INFN/Univ.) Collaboration; PSCC 90-16/P 93 Add.2; F. Bradamante).

SPS

6. Status report on and extension of Experiment NA 46 (Darmstadt on hunting in the interaction γ -crystal; Annecy LAPP-Lyon IPNL-Turin (Univ./INFN)-Udine (Univ./INFN) Collaboration; SPSC 90-34/P 241 Add.2; M. Guarnère).
7. Addendum to NA 43 (Investigations of the coherent hard photon yields from (50-300) GeV/c electrons/positrons in the strong crystalline fields of diamond, silicon and germanium crystals; Aarhus - Strasbourg CRN - Florence (Univ./INFN) - Univ. of Witwatersrand Johannesburg -

Yerevan Collaboration; SPSC 90-31/P 234 Add.3; E. Uggerhøj).

Closed Session

at 14.00 hrs – Conference Room 6th Floor,
Administration Building;
to be continued on Wednesday 14 November at
09.00 hrs.

Tuesday 13 November

CN TECHNICAL PRESENTATION

at 10.00 hrs – CN Auditorium
bldg 31, 3-005

New performance solutions in the VAX environment

by B. HUBER / General Manager for
Germany, Switzerland and Austria, System
Industries A.G., München, R. GAILLARD /
Service Manager for Switzerland, System
Industries S.A., Geneva & J. HORAN /
Consultancy Services Manager, System
Industries, Woking

System Industries has for more than 20 years been a leading supplier of mass storage sub-systems and cluster solutions for Digital Equipment computers with world-wide operations. The headquarters of System Industries in Switzerland is in Geneva, with sale and service offices in Geneva and Zürich.

1. Company overview and positioning
2. Service strategy
3. Back-up strategy of System Industries – 8 mm – 3480 IBM compatible – Tape highway – Future
4. High performance mass storage – Disk Drives – Solid State Disk – Performance analysis tools – Performance array
5. Performances
Performance array solutions of System Industries using solid state disk technology combined with high performance disk drives are a tuned approach in solving the I/O requirements of I/O bound or response time limited applications on VAX computers.
6. Oracle Database Server
The Oracle Relational Accelerator product line of System Industries provides a cost effective tool to overcome the performance bottle-necks of Oracle applications running on VAX systems.

Language : English

Organizer : A. Silverman / CN

Tuesday 13 November

CN SEMINAR

at 16.00 hours* – CN Amphitheatre
bldg. 31, 3-005

Gossip : A GKS-3D Shell for PHIGS

by Michael FRENCH / Rutherford Appleton
Laboratory

GosiP is an implementation of GKS-3D built on calls to PHIGS. It allows GKS-3D applications to run on PHIGS platforms, offering performance and portability across a wide range of 3D workstations. The technical problems in translating between the two International Standards and the consequences for the functional completeness of GosiP will be described. Results will be presented for performance benchmarks and from experience with the OPAL event display on Apollo DN10000VS workstations. The seminar will also examine the role of GKS-3D in future graphics environments dominated by PEX - the PHIGS (PLUS) extension to X-window.

* Please note unusual day

Wednesday 14 November

CN TECHNICAL PRESENTATION

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

New VAXes from Digital

by Pierre DYSLI

Pierre Dysli will present new models from Digital : the microVAX 3100 model 10E/20E, the VAX 4000 model 300, the VAX 6000 model 5x0 and the VAXstation 3100 model 76. The microVAX 3100 model 10e/20e is the new entry model multiuser VAX system. It features 2 desktop enclosure sizes and is easily networked as a server for integrating desktops. The VAX 4000 is an 8 VUP mid-sized machine with a new architecture including several dedicated RISC I/O processors. It is ideally suited as a high power network server, e.g. boot node for a LAVC. The VAX 6000 model 5x0 is a continuation of the popular VAX 6000 series. It features a new 13 VUPS CPU, and can be used as a multiprocessor machine of up to 6 CPUs, giving a total of 72 VUP in one machine. The VAXstation 3100 model 76 is a high performance version/upgrade of the popular VAXstation 3100, including an 7.6 VUPS CPU.

Pierre Dysli is a consultant at the Application Centre for Technology in St. Sulpice, VD. He has 13 years of experience with Digital environment and is a specialist in VMS and VAXes.

Language : English

Organizer : C. Parkman / CN / PMN@CERNVM

Wednesday 14 November

PS SEMINAR

at 11.00 hrs - PS Auditorium
bldg 6, 2-024

A brief introduction to the status of BEPC (Beijing Electron Positron Collider)

by Z. GUO / Beijing Institute of Research,
China

The main performance and the schedule of BEPC will be introduced. The dynamic parameters of the storage ring will be discussed. The structure and the major components of the machine will be described.

Wednesday 14 November

THEORETICAL SEMINAR

at 14.00 hrs - TH Conference Room

Introduction to neural networks and its applications in high energy physics

by J. SEIXAS / CERN

In this talk I introduce the major concepts and methods used in neural networks, including non-adaptable networks made of formal (McCulloch-Pitts) neurons. Standard applications of these systems in high energy experiments will also be reviewed.

Thursday 15 November

DETECTOR R&D COMMITTEE

Open session

at 09.00 h - Council Chamber

1. Introduction (E. Iarocci).
2. Proposal P9 : 'Proposal to study and improve the radiation hardness of gaseous detectors for use at very high luminosities' (CERN; DRDC/90-40/P9; F. Sauli).
3. Proposal P10 : 'Detector tests in a high magnetic field and muon spectrometer triggering studies on a small prototype for an LHC experiment' (Bologna - CERN - Cosenza - LNF - Perugia - World Laboratory; DRDC/90-42/P10; DRDC/90-66/P10 Add. 1; G. Susinno).
4. Proposal P11 : 'Warm liquid calorimetry for LHC' (Aachen - CERN - Helsinki - Padova - Stockholm; DRDC/90-50/P11; G. Maurin).
5. Proposal P13 : 'Proposal to develop GaAs solid state detectors for physics at the LHC' (Bologna - CERN - Florence - Glasgow - RAL - Shef field; DRDC/90-58/P13; K.M. Smith).
6. Proposal P14 : 'The gaseous pixel device' (CERN - Bologna - World Laboratory; DRDC/90-60/P14; M.C.S. Williams).

Closed session

Thursday 15 November (following the open Session) and Friday 16 November starting at 9.00 h in the 6th floor Conference Room, Admin. Building.

Thursday 15 November

DEC SYSTEM MANAGERS MEETING (DEC SMM) CN/DEC/SMM/90/04

at 10.00 hrs - CN Amphitheatre
bldg. 31, 3-004

1. Minutes of the previous meeting, action list and matters arising
2. Re-organisation of DECCO mailing lists
3. Presentation of DEC facilities and DEC staff at CERN
4. Review of DEC Services

5. Review of DEC training
6. Review of CERN-DEC Joint Projects
7. Security advices (from the CERN security coordinator)
8. Latest DEC announcements
9. Date of next meeting and AOB

Jeudi 15 novembre

PRESENTATION TECHNIQUE

de 10.00 à 12.00 h et de 14.00 à 16.00 h
bât. 17, 1-007

Alcatel CIT (F) présente sa nouvelle gamme d'appareils de mesure de basses pressions, les manomètres électroniques série Pascal. De conception modulaire, ils se composent d'une alimentation et de cartes de mesure pour jauges Prani, Penning actuellement, devant être complétées par des cartes pour Bayard Alpert, Magnétron inversé à cathode froide, capteurs capacitifs.

Simulation de toutes les fonctions sur un ordinateur IBM PC.

Méta-Ceram (F), spécialiste de l'utilisation des céramiques techniques, et plus particulièrement l'alumine, pour les liaisons céramique-métal, expose des traversées hermétiques coaxiales et des passages de courant hermétiques pour le vide, l'ultra-vide, les hautes pressions, les hautes températures et les contraintes mécaniques particulières.

Langue : français

Renseignement : M. Diraison / FI / 4585

Friday 16 November

COLLOQUIA ON EMERGING STANDARDS IN APPLICATIONS SOFTWARE

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

**The second presentation in the series will be on :
HYPERTEXT**

by Tim BERNERS-LEE / CERN-CN

The world (and especially CERN) cannot be properly represented by a linear document, nor by a hierarchical arrangement of information. Books, libraries and data have, unlike our brains, been organized in that way for ages. Now technology allows us to make arbitrary links between related information, to form a web which can accurately hold our knowledge. These concepts are currently being incorporated in many next-generation word processors and online enquiry systems. The real revolution will occur when information can be linked together across the planet. The talk will describe the concepts involved in hypertext, the state of the art, the problems of standardization and interworking, and the importance of hypertext for the academic community.

Organiser : G. Moorhead / CN (WGM@CERNVM)

Monday 19 November*

CN SEMINAR

at 10.00 hrs – CN Auditorium bldg 31, 3-005

Institutional File System Overview

by Ted HANSS / University of Michigan

With implementation of the Institutional File System (IFS), high performance, 'user transparent' file services will be provided by IBM 3090 mainframe central file servers to thousands of heterogeneous workstations. The system will combine the advantages of institution-wide information sharing and central operations with the independence and flexibility of personal workstations. The design and implementation, based on Transarc's AFS, will support IBM's MVS/ESA, AIX/370, and VM operating systems on the 3090 server. Workstation clients will initially be supported for AFS, Sun Microsystem's Network File System (NFS), and Apple Computer's AppleTalk Filing Protocol (AFP). An innovative 'intermediate file server' provides additional performance benefits. The talk will present an overview of the project including architecture, implementation status, and plans for future work.

The IFS is a joint effort of the University of Michigan and IBM. Ted Hanss is Project Leader at the Center for Information Technology Integration, University of Michigan.

* Please note unusual day & time

Wednesday 21 November

TECHNICAL PRESENTATION

09.00 to 12.00 hrs – bldg 73, 2-027

High performance E² CMOS PLDs (Programmable Logic Devices)

by Ascom Primotec SA (CH) & Lattice GmbH (D)

Language : English

Information : M. Diraison / FI / 4585

Mercredi 21 novembre

PRESENTATION TECHNIQUE

de 09.30 à 16.30 h – Amphithéâtre LEP
bldg 30, 7e étage

Exposition/démonstration de la nouvelle gamme de photocopieurs et télécopieurs CANON

par Walter RENTSCH SA (CH), représentant
CANON (J/D)

Langues : français, anglais, espagnol

Renseignements : M. Diraison / FI / 4585

Wednesday 21 November

CN TECHNICAL PRESENTATION

10.00 to 11.30 hrs – CN Auditorium
bldg 31, 3-005

DIGITAL'S UNIX™ Strategy

by Skip GARVIN

Language : English

Organiser : C. Parkman / CN, pmn@cernvm

Wednesday 21 November**

PPE SEMINAR

at 16.30 hrs – Auditorium

First results from the CLEO II Experiment

by Klaus HONSCHIED / Cornell University

** Please note unusual date

Thursday 22 November

CERN COLLOQUIUM

at 16.30 hrs – Auditorium*

Electromagnetic traps for charged and neutral particles

by Wolfgang PAUL / Nobel Laureate 1989,
University of Bonn

* Tea & coffee will be served at 16.00 hrs.

Friday 23 November

SIMON VAN DER MEER FEEST

at 15.00 hrs – Auditorium*

Stochastic cooling from a physicist point of view

by Carlo RUBBIA

The impact of the Van der Meer horn on neutrino physics

by Jack STEINBERGER

The Van der Meer method at the ISR

by Giuseppe COCCONI

Simon's contributions to accelerator physics

by Giorgio BRIANTI

* At the end, Simon Van der Meer will offer a drink to all the participants in the Coop Cafeteria

INFORMATIONS GENERALES GENERAL INFORMATION

CHANTIER DU COMPLEXE ISOLDE

Travaux sur la route Démocratie

Les travaux de génie civil pour la construction du complexe ISOLDE nécessitent la mise hors circulation de la Route DÉMOCRITE, située entre la route Rutherford et la route Veksler.

Les usagers des routes Rutherford, Démocratie et Goward (accès au centre anneau de la machine PS) sont priés de se conformer à la signalisation qui sera mise en place.

A. Vital
Groupe ST-CE
Tél. 2099

TRAINING AND EDUCATION ENSEIGNEMENT

ENSEIGNEMENT GENERAL

Tél. 5811 ou 2844 (le matin)

Jeudi 15 novembre

de 13.00 h à 13.30 h – Amphithéâtre

Science pour tous

par R. CARRERAS

ACADEMIC TRAINING

Tél. 2844 (le matin)

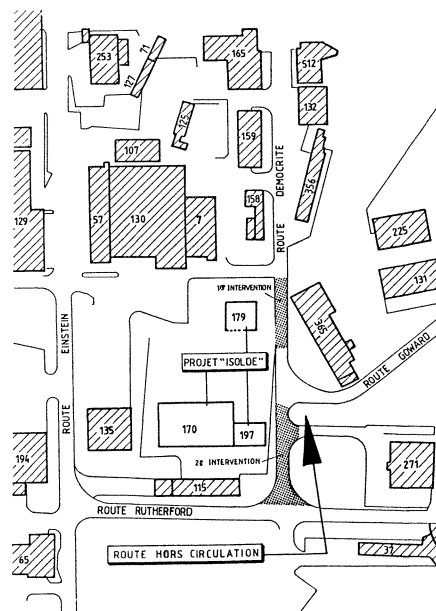
12, 15, 19, 21 & 23 November

LECTURES FOR POSTGRADUATE STUDENTS

10.30 to 12.00 hrs – Auditorium

Electro-weak interactions

by R. KLEISS / CERN-TH



BUILDING SITE FOR THE NEXT ISOLDE COMPLEX

Work along Rte Démocratie

Building work for the new ISOLDE complex requires Rte Démocratie to be closed between Rte Rutherford and Rte Veksler.

Users of Rte Rutherford, Démocratie and Goward (access to the centre of PS ring) are asked to obey the road signs which will be installed.

A. Vital
ST-CE Group
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