

COMMUNICATIONS OFFICIELLES

Les membres du personnel sont censés avoir pris connaissance des communications officielles ci-après.

La reproduction même partielle de ces informations par des personnes ou des institutions externes à l'Organisation exige l'approbation préalable de la Direction du CERN.

EMPLOI DE PERSONNEL PRIVE

Les Etats-hôtes ont adopté dernièrement de nouvelles dispositions (visa, protection sociale, etc.) concernant l'emploi de personnes privées. Nous invitons, en conséquence, les personnes intéressées à prendre contact, avant tout engagement, avec la Division du Personnel, tél. 3238 (pour la Suisse) et 4682 (pour la France).

Relations avec les Pays-hôtes
Tél. 5152

COMMISSION PARITAIRE CONSULTATIVE DES RECOURS

La Commission paritaire consultative des Recours s'est réunie pour examiner l'appel introduit par Monsieur R. MILAN relatif à l'application de la Circulaire administrative No 22..

Conformément à l'Article R VI 1.11 du Règlement du Personnel, les recommandations de la Commission et la décision définitive du Directeur général sont à porter à la connaissance du personnel.

Pour ce faire, ces documents seront affichés aux tableaux du Bâtiment de l'Administration (no 60) du 22 mai au 5 juin 1992.

Division du Personnel
Tél. 2855

SEMINARS SEMINAIRES

Monday 25 May

ISOLDE EXPERIMENTS COMMITTEE
at 10.00 hrs – Council Chamber

Open session

1. *Introductory remarks by the Chairman.*
2. *Plans for Target Development (H. Ravn).*
3. *ISOLDE Schedule (K. Elsener).*

OFFICIAL NEWS

Members of the personnel shall be deemed to have taken note of the news under this heading.

Reproduction of all or part of this information by persons or institutions external to the Organization requires the prior approval of the CERN management.

EMPLOYMENT OF PRIVATE STAFF

The Host States have recently passed new regulations (regarding visas, social security etc.) on the employment of private staff. Those concerned are invited to contact the Personnel Division (Ext. 3238 for Switzerland, and Ext. 4682 for France) before entering into any commitment.

Relations with the Host States
Tel. 5152

JOINT ADVISORY APPEALS BOARD

A meeting of the Joint Advisory Board was held to examine the appeal lodged by Mr. R. MILAN concerning the application of Administrative Circular No 22.

Article R VI 1.11 of the Staff Regulations specifies that the recommendations of the Board and the final decision of the Director-General shall be brought to the notice of the personnel.

The relevant documents will therefore be posted on the notice boards of the Administration Building (No 60) from 22 May to 5 June 1992.

Personnel Division
Tel. 2855

- 4.. *Delayed Proton Emission in the A=70 Region: A Strobe for Level Density and Particle Width (Strasbourg – Chalk River – IN2P3 ISOLDE Collaboration); ISC 92–2/P25; Ch. Miehé.*
- 5.. *Proposal: Decay properties of the halo nucleus ^{11}Li (Aarhus – CERN – Darmstadt – Göteborg – Madrid – Orsay collaboration); ISC 92–26/P30; G. Nyman.*
- 6.. *Proposal: Mössbauer and DLTS investigations of impurity-vacancy complexes in semiconductors (Institute of Physics and Astronomy, Aarhus University); ISC 92–27/P31; G. Weyer.*
7. *Proposal: Octupole deformed nuclei in the actinide region (Bergen – CERN – Göteborg – Hamilton – Madrid – Manchester – Liverpool – Oslo – Valencia – Warsaw Collaboration); ISC 92–28/P32; W. Kurcewicz.*

Closed session

at 14.00 hrs – salle B, Main Building
bldg 61, 1st floor
(continuing on Tuesday 26 May from 10.00 hrs, if necessary)

Monday 25 May

DETECTOR SEMINAR

at 11.00 hrs – ECP Conference Room
bldg 13/2-005

Silicon pixel detectors

by Erik H.M. HEIJNE / CERN-ECP

The silicon pixel detector seems to be the most realistic approach at present for tracking with 50 micron sensor granularity in 3D in the LHC environment. One can employ proven VLSI technology and eventually large scale industrial production capacity. The first 1000 element devices with active signal processing in each pixel have been tested in the heavy ion experiment WA94, which offers a high particle multiplicity. Tracking precision, efficiency, double hits and threshold sensitivity have been studied. Developments now aim at increase of the active area, decrease of the material thickness, fast response and on-chip intelligence.

Monday 25 May

PPE SEMINAR

at 16.30 hrs – Auditorium

Composition of high energy cosmic rays measured with the MACRO detector at Gran Sasso

by Sergio PETRERA / INFN & Università di Lecce

The analysis of multiple muon events collected in the MACRO detector at Gran Sasso is presented. Muon separation distributions are interpreted using Monte Carlo predictions based on data from collider experiments. Multi-muon rates are compared with the expected rates from different primary cosmic ray compositions. Experimental data are shown to be sensitive to primary energies between ~50 TeV and several thousand TeV.

Tuesday 26 May

PRESENTATION

at 10.00 hrs – AT Auditorium
bldg 30, 7th floor

FactoryLink

by US Data-Europe / Bruxelles

FactoryLink® is an industrial supervision software package developed and marketed by USData. The package is an application generator that allows the implementation, without programming, of a wide range of real-time automation solutions in distributed multivendor environments. FactoryLink® applications are highly scalable, spanning the entire range of

computing platforms from single user personal computers to multi-user systems. Moreover, applications configured on one platform run uniformly on others. The Open Software Bus Architecture® allows the easy integration of application specific modules providing flexibility, connectivity, interoperability, expandability and maintainability. A wide variety of off the shelf software products allow immediate access to industrial programmable logic controllers, local area networks and commercial databases.

A demonstration of the package running on different platforms will follow the presentation.

Information : Roberto Saban / AT

Tuesday 26 May

CERN COLLOQUIUM

at 16.30 hrs – Auditorium*

Simple behaviour of macroscopic systems at low temperature

by S. FUBINI / CERN

In recent years, the study of macroscopic systems has become exceedingly fascinating, with phenomena like superconductivity, superfluidity, the Josephson effect, that show simple features which agree wonderfully with elementary theoretical predictions (errors are sometimes around 10^{-19}). I shall discuss the general theoretical reasons for this precise and beautiful behaviour.

* Tea & coffee will be served at 16.00 hrs

Mercredi 27 mai

PRESENTATION

à 09.00 h – Amphithéâtre AT
bât. 30 / 7e étage

Artemis Prestige et Artemis Schedule Publisher

par Jean GAYRAL / CIM Product (CH) et Jean-Michel ZINI / Lucas Management Systems (F)

Artemis Prestige est un nouveau logiciel de gestion de projets (planification et ordonnancement) complètement intégré à l'environnement du SGBD relationnel ORACLE. Créé par la Société LUCAS Management Systems (UK), de conception moderne et conviviale, ce logiciel convient parfaitement dans le cadre d'une utilisation multi-utilisateurs, multi-projets, en architecture client/serveur. Ce logiciel peut être associé à Artemis Schedule Publisher, qui est un outil de gestion de projets totalement graphique et interactif destiné à la planification, la gestion des ressources et le contrôle des coûts. Il fonctionne dans les environnements standards MS-Windows et Macintosh.

Langue: français

Renseignements : C. Genier / MT / 4814

Mercredi 27 mai

PRESENTATION TECHNIQUE

10.00–12.00 h & 13.30–16.00 h – bât. 24/1–016

Elestat (CH), produits : relais industriels 11 et 8 pôles, nouvelle temporisation et module multifonction, relais print pour cartes interfaces, installations de sécurité, relais miniature pour installations de sécurité, optoélectronique, cellule infra-rouge détection de personne ou matériel, système barrage jusqu'à 30 m, système à réflexion jusqu'à 8 m, de proximité jusqu'à 0,6 m. HMT microélectronique SA (CH), Design Center suisse pour le développement de circuits électroniques ASIC et hybrides. Exposés :

10.30 *circuits hybrides de grande fiabilité, montés sur substrats céramiques, selon spécifications du client*

11.00 *ASICs numériques en CMOS*

11.30 *ASICs analogiques et mixtes en CMOS, BICMOS ou bipolaire*

Structures : Sea of Gate, Standard Cells, Arrays

Diffusion : SGS-Thomson microelectronic

Grossenbacher Electronique (CH), présentation Gelag Engineering, produits : PC industriels, écrans plasma AC, SPS automates HW + SW, DAD logiciel pour créer des interfaces homme-machine, régulateur de température TCS.

Langue : français

Renseignements : M. Diraison / FI / 4585

Wednesday 27 May

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

Title to be announced

by Sergio FUBINI / CERN

Wednesday 27 May

COMPUTING SEMINAR

at 16.00 hrs – CN Auditorium

bldg 31/3–005

How do I easily install CERN and some Public Domain Software on my workstation ?

by Philippe DEFERT / CERN–CN/CO

ASIS – the Application Software Installation Server – is a project developed in CN division to allow any system manager of a workstation of the CERN local area network to install any CERN and some of the public domain packages in an easy and user-friendly way. The repository contains: the CERN Program Library, the CERN software (phone, www, etc.), the TeX environment, the GNU UNIX enhancements, the X11 releases and contributions, some net posted programs, and so on, etc. They are available for most common platforms at CERN i.e. Sun-sparcs, Dec Stations, HP-700s, the repository is presently less complete for IBM-RS-6000 and SGIs.

Wednesday 27 May*

PPE SEMINAR

at 16.30 hrs – Auditorium

Rare B meson decays at CLEO

by Peter KIM / Cornell University

Using the large amount of data (1.0 fb^{-1} taken at CESR with the CLEO II detector, we have looked for rare B meson decays. Results on exclusive $b \rightarrow u$ and hadronic and EM penguin decays of the B will be presented.

* Please note unusual day!

Friday 29 May

MEETING ON PARTICLE PHYSICS PHENOMENOLOGY

at 14.00 hrs – TH Conference Room

About the production and the properties of a hot quark-gluon plasma

by E. SHURYAK / Stony Brook

The talk consists of two parts. We first consider a two-stage scenario of high energy nuclear collisions, in which, at the time scale of about $1/2 \text{ fm}/c$, a gluonic plasma with T as high as 400–500 MeV is created, while quark equilibration takes about $2 \text{ fm}/c$, when the temperature is estimated to be only about 200 MeV. Signals include in particular open charm enhancement. In the second part of the talk, we try to provide an explanation for recent surprising lattice results (C. Bernard, C. DeTar et al.), which seem to show 'quark-antiquark binding' at very high temperatures.

Tuesday 2 June

SPS AND LEAR EXPERIMENTS COMMITTEE

Open session

at 09.00 – Auditorium

1. *Status Report on proposal P268: Proposal for a Strangelet and Particle Search in Pb-Pb Collisions (NEWMASS collaboration: Bern Univ. – CERN – LAPP, CNRS-IN2P3, Annecy-le-Vieux – Helsinki Univ. – Stockholm Univ.; SPSLC 92-16 / P268) : K. Pretzl.*

Closed session

at 10.00 hrs to be continued on Wednesday 3 June

at 09.00 hrs, bldg 33/R-009

Tuesday 2 June

PRESENTATION

10.00–12.00 hrs – CN Auditorium

bldg 31/3–005

Polycenter : Enterprise management from Digital

by Luc TIMMERMANS / System Management Consultant, Digital Valbonne

Tuesday 2 June

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

Recent results on τ physics from ARGUS

by Bernhard SPAAN / University of Dortmund

Mercredi 3 juin

PRESENTATION TECHNIQUE

10.00–17.00 h – Salle de conférence LEM

CTN, 8, ch. des Aulx, 1228 Plan-les-Ouates

Exposition et démonstrations portant sur :

- la microscopie et la stéréoscopie optique pour biologie, métallurgie, électronique, etc ...
- l'imagerie digitale
- des logiciels de mesure de dureté par analyse d'image
- une station automatique de mesure et de contrôle

Langues : anglais, français

Renseignements : M. Diraison / FI / 4585

Wednesday 3 June

AC SEMINAR

at 11.00 hrs – SL Auditorium

bldg 864, 1st floor, Préveessin,

Hydrodynamic calculations of high energy beam deposition

by Douglas C. WILSON / Los Alamos National Laboratory

* Please note unusual time!

Wednesday 3 June

PS SEMINAR

at 11.00 hrs – PS Auditorium

bldg 6, 2–024

Office Local Area Network in the PS Division : present and future

by A. PACE / CERN–PS

Wednesday 3 June

DETECTOR R & D COMMITTEE

Open session

at 14.00 hrs* – Auditorium

1. *RD-14 Status Report: Liquid xenon (krypton) calorimetry (CERN–Univ. & LIP Coimbra–Collège de France–IHEP Serpukhov–Thessaloniki; DRDC 92-25; T. Ypsilantis).*
2. *RD-16 Status Report: A digital front-end and readout microsystem for calorimetry at LHC; (CERN–Linköping–Politecnico di Milano–Univ. & INFN Pavia–Mann-*

Siegbahn Inst. of Phys. Stockholm–Fysikum Stockholm; DRDC 92-26; G. Goggi).

3. *RD-20 Status Report: Development of high resolution silicon strip detectors for experiments at high luminosity at LHC (CERN–INP & INPT Cracow–SEFT Helsinki–Liverpool–Imperial College London–CPPM Marseille–Univ. & SI Oslo–INFN Roma Sanità–RAL–LEPSI Strasbourg–INFN Torino–Uppsala–IHEP Vienna–PSI Villigen–Yale–Comenius–Brunel–INFN Padova; DRDC 92-28; G. Hall).*
4. *Proposal: NEBULAS: A high performance data-driven event-building architecture based on an asynchronous self-routing packet-switching network (CERN–Royal Inst. of Tech. Stockholm–Tampere Tech. Univ.–Lab. Instr. e Part. Lisbon–Tbilisi; DRDC 92-14/P36; M. Letheren).*
5. *Proposal: To develop a radiation hard microvalve amplifier and associated radiation detectors for experiments at the LHC (THORNEMI CRL Hayes–CERN–RAL–Reading–Micron Semiconductor Lancing–Oxford; DRDC 92-23/P39; D.C. Young).*
6. *Proposal: Implementation of an ASP based machine in the data acquisition system of an R&D experiment at CERN (CERN–Univ. Paris–Sud Orsay–DAPNIA SEI Saclay; DRDC 92-27/P40; E. Augé).*
7. *Proposal: Development of gas micro-strip chambers for high radiation rate detection and tracking (CERN–Budker Inst. of Nucl. Phys. Novosibirsk–CRPP & Phys. Dept. Carleton Univ. Ottawa–ISA Aarhus–MPI Heidelberg–Texas A&M Univ.–TRIUMF Vancouver–Weizmann Inst. Rehovot; DRDC 92-30/P41; F. Sauli).*
8. *Proposal: A mixed analog-digital radiation hard technology for high energy physics applications: DMILL [Durci Mixte sur Isolant Logico-Linéaire] (CEA DSM DAPNIA Saclay–CEADTALETIGrenoble–CEADAM Bruyères la Châtel–Thomson TMS Grenoble–IN2P3 CPPM Marseille; DRDC 92-31/P42; M. Dentan).*
9. *Proposal: Development of a time projection chamber with high two track resolution capability for experiments at heavy ion colliders (LBL–GSI Darmstadt–IKF Frankfurt–CERN–MPI Munich–Weizmann Inst. Rehovot–BNL; DRDC 92-32/P43; R. Brockmann).*

Closed session

Thursday 4 June

at 09.00 hrs in Salle B (1st floor, Main Building)

* Please note unusual time

Jeudi 4 juin

PRESENTATION TECHNIQUE

09.00–16.00 h – bât. 17/1–007

Carl Zeiss AG (D), propose en exposition démonstration l'ensemble de son programme d'instruments optiques

Langues : allemand, anglais, français

Renseignements : M. Diraison / FI / 4585

Thursday 4 June

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

Direct Photon Physics in UA2

by Fernanda PASTORE / Dip. Fisica Nucleare e
Teorica & INFN, Pavia

Friday 5 June

CES RIO/MIO COURSE

at 09.00 hrs – CN Auditorium

bldg 31/3-005

Creative Electronic Systems SA will give a one day course on the hardware and software aspects of their RIO8260 and MIO8261 RISC-based, intelligent I/O

modules, for users and prospective users, as follows:

09.00–10.00 *Introduction and overview (J.Bovier)*

10.00–12.00 *Hardware aspects (P.Cristin)*

14.00–16.00 *Software aspects (S.Beaussault)*

16.00–17.00 *Discussions, questions, etc.*

Information : Chris Parkman / ECP / pmn@cernvm

POUR / FOR INFORMATION

Université de Genève

Département de Physique Nucléaire et
Corpusculaire

Ecole de Physique, 24, quai Ernest-Ansermet,
1211 Genève 4

Tél. 7026273 ou 7026369

Lundi 25 mai

SÉMINAIRE DE PHYSIQUE CORPUSCULAIRE

à 16.15 h – Auditoire Stueckelberg

**Caractéristiques de production des Λ^0 dans
des désintégrations du Z^0 avec OPAL**

par F. LAMARCHE / Université de Montréal

L'expérience OPAL a détecté durant les prises de données de 1989, 1990 et 1991 un total de près de 500 000 désintégrations multihadroniques. Nous avons observé les caractéristiques de production des baryons étranges Λ^0 (taux, distributions angulaires), et elles ont des implications sur les modèles d'hadronisation.

EDUCATION SERVICES EDUCATIFS

The Open University

TUTORIAL AND COUNSELLING OPPORTUNITIES IN SWITZERLAND AND NEARBY FRANCE

The Open University has vacancies for tutorial and counselling staff throughout Switzerland to support students studying Arts, Education, Mathematics, Science, Social Science and Technology courses. The University also offers professional updating courses for teachers, managers, scientists, engineers and those working in health and social welfare fields, as well as courses leading to masters degrees in a number of subject areas.

Open University students are of all ages, and from a range of backgrounds. They share commitment and enthusiasm but, learning at a distance, they can feel isolated. That is where our tutorial and counselling staff help by providing tutorial and counselling support to their group of students based at a study centre. Tutorials take place mostly in the evenings and weekends.

Applications are invited for part-time tutorial and counselling staff for the 1993 academic year. Appointments will be made in the latter part of 1992 in time for the next academic year which starts in February. We should like to hear from tutors in all disciplines, and are particularly interested to hear from those with experience in teaching adults.

To obtain an application package, please send your name, address and **curriculum vitae** to :

Anne Williams
12, chemin des Rupières
Bardonnex
1257 Croix-de-Rozon / GE.