

COMMUNICATIONS OFFICIELLES

OFFICIAL NEWS

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.

RAPPEL

STATUT ET RÈGLEMENT DU PERSONNEL

Les Statut et Règlement du Personnel, adoptés respectivement dans leur édition du 1er janvier 1996 par le Conseil et le Comité des Finances, sont disponibles dans les Secrétariats de Division.

Ils sont également accessibles pour consultation sous forme de fichiers Word sur le serveur Novell **SRV4_HOME**

- Pour y accéder depuis un Macintosh, vous devez vous connecter au serveur **SRV4_HOME** dans la zone Appletalk **NOVELL** en utilisant votre identifiant Novell, puis choisir le volume **PE Division Data Disk**.
- Pour y accéder depuis un PC, vous devez vous connecter au serveur **SRV4_Home** en utilisant votre identifiant habituel, et dans **Disks & Volumes**, choisir **PE Division Data Disk**.

Les fichiers Word se trouvent dans le dossier **COM**, sous-dossier **Public**.

La liste des circulaires administratives en vigueur ainsi que les circulaires publiées depuis 1990 sont également accessibles sur ce même serveur.

Division du Personnel
Tél. 4128

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.

REMINDER

STAFF RULES AND REGULATIONS

The Staff Rules and Regulations, adopted in the version dated 1st January 1996 by the Council and the Finance Committee respectively, are available in the Divisional Secretariats.

In addition, they are available for consultation as Word files in the server **SRV4_Home** :

- From a Macintosh, connect to the server **SRV4_Home** in the Appletalk zone **NOVELL** using your Novell username and password, and then choose the volume **PE Division Data Disk**.
- From a PC, connect to the server **SRV4_Home** with your usual Novell login name and password, and in **Disks & Volumes**, choose **PE Division Data Disk**.

The Word files are available in the folder **COM**, folder **Public**.

The list of administrative circulars in force as well as the circulars published since 1990 are also available on the same server.

Personnel Division
Tel. 4128

SEMINARS SEMINAIRES

Monday 13 May

UMTF USER MEETING

at 14.00 hrs – CN Auditorium, bldg 31/3-004 & 5

Tools for Mail on the Mail Server

by Arnaud TADDEI

As the new Mail Server is being used more and more we feel that it is important that you know how to use the recommended mail agents but as well how to enable and use correctly other features of a mail service, like:

- vacation program to answer automatically when you are away
- programs to allow forwarding of your mail
- notification clients
- movemail commands
- etc.

These features will give you more comfort in using and understanding the mail system which we provide.

Monday 13 May

ISOLDE EXPERIMENTS COMMITTEE

at 14.00 hrs – Council Chamber, bldg 503

Provisional Agenda for the Eighteenth meeting

OPEN SESSION

1. Introductory remarks by the Chairman.
2. Progress report by the ISOLDE Technical Group Leader.
3. ISOLDE Coordinator's report.
4. Proposal: g_f-factor measurements on unstable Eu⁺ isotopes in an ion trap (Mainz, CERN, GSI-Darmstadt Collaboration); CERN/ISC 96-9/P78; G.Werth.
5. Proposal: Search for physics beyond the Standard Model via positron polarization measurements with polarized ¹⁷F (Leuven, Louvain-La-Neuve, Bonn, Madison, Zürich, NICOLE & ISOLDE Collaboration); ISC 96-11/P80; N.Severijns.
6. Proposal: Study of the *ev* correlation in Fermi beta decay: a probe for scalar weak interactions (Notre Dame, Seattle, Madrid, CERN Collaboration); CERN/ISC 96-17/P82; A.Garcia.

7. Addendum to proposal P60 (IS344): Laser spectroscopy of neutron rich Bismuth isotopes (CERN, Mainz, Manchester, Stony Brook Collaboration); CERN/ISC 96-12/P60 Add.1; J. Billowes.
8. Proposal: Gold and platinum in silicon-isolated impurities and impurity complexes; (Aarhus, Dublin, Konstanz, Lisboa, CERN Collaboration); CERN/ISC 96-15/P81; M.Henry.
9. Addendum to proposal P40 (IS328): Electrical activation of Dopant atoms in the II-VI materials M-X (M = Zn, Cd and X = S,Se,Te) (Saarbrücken, Konstanz, Berlin, CERN Collaboration); CERN/ISC 96-14/P40 Add. 2; Th.Wichert.
10. Addendum to proposal P35 (IS325): Combined electrical, optical, and structural investigations of impurities and defects in wide-gap II-VI semiconductors (CERN, Berlin Humboldt-Universität, Berlin Technische Universität, Jena Collaboration); CERN/ISC 96-16/P35 Add.1; M.Wienecke.
11. Addendum to proposal P62 (IS342): Emission channeling studies on the lattice location of lithium, sodium and rare earth isotopes in semiconductors (Konstanz, Leuven, CERN, Durban-Westville Collaboration); CERN/ISC 96-13/P62 Add.1; U. Wahl.
12. Addendum to proposal P64 (IS343): Test of a high power target design; CERN/ISC 96-18/P 64 Add. 2 (CLRC, CERN, Brighton, Liverpool, Manchester, Surrey Collaboration); R.Bennett.

CLOSED SESSION: *Monday 13 May, after the Open Session, 6th Floor Conference Room, Main Building, to be continued on Tuesday 14 May at 9.00 hrs, if necessary.*

1. Introductory remarks by the Chairman.
2. Approval of the minutes of the last meeting.
3. Letter Of Intent: Odd-A Gadolinium sources for laser spectroscopy; CERN/ISC 96-10/I19; I.S. Grant.
4. Discussion on the open session.
5. A.O.B.

Monday 13 May & Tuesday 14 May

SECOND MEETING OF THE LHC MACHINE ADVISORY COMMITTEE

Open Session

Monday 13 May

at 14.00 hrs – AT Auditorium, bldg. 30/7th fl.

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|-----------|-----------------|-----------------------------------|
| 14.00 hrs | S. Tazzari | General introduction |
| 14.15 hrs | L. Evans | Current status of the LHC project |
| 15.15 hrs | J.-P. Koutchouk | Optics developments |
| 16.50 hrs | J. Gareyte | Tracking and dynamic aperture |

Tuesday 14 May

at 09.00 hrs – AT Auditorium, bldg. 30/7th fl.

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|-----------|----------------|----------------------------|
| 09.00 hrs | J.B. Jeanneret | Collimation, beam cleaning |
| 09.45 hrs | T.M. Taylor | Interaction region design |
| 10.35 hrs | F. Ruggiero | Multi-bunch instabilities |
| 11.00 hrs | D. Boussard | RF, feedback |

- | | | |
|-----------|--------------|------------------------|
| 12.00 hrs | P. Proudlock | Powering |
| 13.50 hrs | L. Coull | Quench protection |
| 14.35 hrs | R. Perin | Magnet status report |
| 15.20 hrs | P. Faugeras | Planning and logistics |
| 16.05 hrs | | <i>End of session</i> |

Tuesday 14 May

ISOLDE WORKSHOP

at 09.00 hrs – Conf. room, bldg 31 / 3-005

Morning session

- | | |
|--------------|--|
| G. Huber | Welcome |
| R. Ammerlaan | Defects in Semiconductors |
| A. Müller | News from GANIL |
| P. Jackson | ISAC at TRIUMF |
| J.A. Pinston | Status and Perspectives of PIAFE |
| P. Egelhof | Radioactive Beam Reactions in Inverse Kinematics |

Afternoon session

- | | |
|-------------|--|
| M. Leino | Nuclear Structure Experiments at the Gas Filled Separator RITU |
| M. Huyse | Fine Structure in the Alpha Decay of Rn Isotopes |
| K. Riisager | Beta Decays of the Neutron Drip Line, Results for ^{11}Li |
| G. Huber | Isotopic Shift Measurements of Neutron-Rich He and Li Isotopes |
| A. Garcia | Future Weak Interaction Studies at ISOLDE |

Mercredi 15 mai

PRÉSENTATION TECHNIQUE

à 14.30 hrs – bâtiment 555 R-005 (salle de cours du Micro-Club)

Démonstration de projecteurs vidéo

par FOLEX Film Systems

la maison FOLEX Film Systems (8010 Zürich) fera une démonstration de ses projecteurs vidéo (pour PC et Macintosh).

Les modèles présentés seront le LitePro 210 et le LitePro 580+ de la marque InFocus ainsi que l'Apollo 575.

Pour tous renseignements complémentaires contactez Hubert Rossi au 5268.

Friday 17 May

MEETING ON PARTICLE PHYSICS PHENOMENOLOGY

at 14.00 hrs – TH Conference Room

Colour-singlet and colour-octet contributions to J/ψ photoproduction

by Michael KRAEMER / DESY

The production of heavy quarkonium states in high-energy collisions provides an important tool to study the interplay between perturbative and non-perturbative QCD dynamics. We have calculated the colour-singlet and colour-octet contributions to J/ψ photoproduction, including higher-order QCD corrections to the colour-singlet channel. Using the values for the colour-octet matrix elements

extracted from fits to prompt J/ψ data at the Tevatron, we demonstrate that distinctive colour-octet signatures should be visible in J/ψ photoproduction. However, these predictions appear at variance with recent experimental data obtained at HERA, indicating that the phenomenological importance of the colour-octet contributions is smaller than expected from theoretical considerations and suggested by the Tevatron fits. We find that the experimental data on differential distributions and total cross-sections are well accounted for by the colour-singlet channel including higher-order QCD corrections. We finally comment on the prospects of extracting information on the gluon distribution in the proton from J/ψ photoproduction.

Monday 20 May

UMTF USER MEETING

at 14.00 hrs – CN Auditorium

Simple editors

by Miguel Marquina

Monday 20 May

PPE seminar

at 16.30 hrs – Auditorium, bldg 500

Search for New Particles at $130 \text{ GeV} < \sqrt{s} < 140 \text{ GeV}$ at LEP

by Alvise FAVARA / INFN & University of Florence

Searches for supersymmetric particles as well as for excited leptons and unstable sequential leptons have been performed with data collected by the L3 detector during the November 1995 run of the LEP collider at centre of mass energies between 130 and 140 GeV.

The final results of these searches are presented and the new exclusion limits on the production cross section and on the masses of these particles are discussed. The results of the search for supersymmetric particles are also interpreted in the framework of the Minimal Supersymmetric Standard Model.

Tuesday 21 May

TECHNICAL PRESENTATION

at 10.00 hrs – CN Auditorium, bldg 31/3-004-5

Forte.

by W. NEUHAUS & F. GENESIO / Datasign Products AG.

Forte is an advanced development environment for building and deploying client-server applications. Forte supports development with an object-oriented 4GL (Fourth Generation Language), a 4GL debugger, a GUI screen designer, and a development repository.

After development, Forte generates a runtime system for the target deployment environment and provides tools for managing the application. Forte applications are independent of the physical environment and able to support the mission critical functions of the organization.

Agenda:

Introduction

Presentation (W. Neuhaus):

- Forte Software, Inc. & Datasign Products AG
- IT Challenges of the 90's

- Forte Product Capabilities
- Forte Development Environment

Live-Demo (F. Genesio):

- Look and Feel of a Forte Application
- Environment Independence
- Business Events
- Open Integration
- Application Partitioning
- Development Environment
- ObjectOriented 4GL

Q&A Session

Organiser : S. Cannon / CN / 5036

Tuesday 21 May

BHT PRESENTATION

at 14.00 hrs – CN Auditorium, bldg 31/3-004-5

BHT4 - Advanced Features

by James PURVIS / CERN-AS

Multidimensional analysis and drill down facilities are becoming powerful prerequisites of modern Management Information (MIS) and Decision Support (DSS) systems. With BHT4 (The Budget Holders Toolkit version 4) these features are brought to CERN Users. This presentation will illustrate how you can take full advantage of BHT4 to produce flexible analytical reporting for the CERN budget holder.

While the talk is aimed at the frequent BHT user, the facilities demonstrated are so intuitive that the casual user should also be able to follow this presentation.

This seminar will be given in English. A french version will be given on Wednesday 22 May at 10.00 hrs in the same location.

Full information about BHT including on-line documentation is available at : <http://assuwww.cern.ch/bht/>

Tuesday 21 May

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium*, bldg 500

The Internal Spin Structure of the Proton and Neutron

by Ulrich STIEGLER / CERN-PPE

A review on the internal spin structure of the proton and neutron is presented, with emphasis on inclusive deep inelastic scattering of polarized electrons and muons on proton, neutron and deuteron targets. The result allows to study the spin decomposition of the proton and anomalous contributions in gauge theories.

* Tea & coffee will be served at 16.00 hrs.

Wednesday 22 May

BHT PRESENTATION

at 10.00 hrs – CN Auditorium, bldg 31/3-004-5

BHT4 - Advanced Features (en francais)

by James PURVIS / CERN-AS

Thursday 23 May

UMTF USER MEETING

at 10.00 hrs – CN Auditorium
NICE + Windows/95 = NICE/95
by David Foster

Jeudi 23 mai

PRÉSENTATION TECHNIQUE

à 14.00 hrs – Amphithéâtre AT, bât. 30, 7e étage
Consultation de norme technique sur serveur CD-ROM
par AFNOR / Lyon

Thursday 23 May

SL SEMINAR

at 16.00 hrs – SL Auditorium, Preessin, bldg. 864
Beam Loss Monitors for LEP
Ina REICHEL & Thomas SPICKERMANN / CERN

In 1994 the first beam loss monitors were installed in the LEP ring. The detectors, based on two PIN diodes in coincidence, will be described. The principal application of these detectors is to study the nature of beam losses and beam induced background in the experiments and to provide a control of LEP beam conditions. Data acquired with these monitors during the 1995 run will be compared with other instruments. Problems in certain sections of LEP will be discussed. Another application of the loss monitors during the 1995 run was the study of non-Gaussian tails in the transverse profile of the LEP beams. A comparison with tracking simulations yields a fairly good understanding of the origin of these tails in the horizontal plane.

These 'tail scans' can also be used as a complementary end-of-fill measure of the beam emittance. This seminar is aimed at non-specialists.

EDUCATION SERVICES EDUCATIFS

ACADEMIC TRAINING ENSEIGNEMENT ACADEMIC

F. Benz Secretariat 3127

Information about lectures on WWW:
<http://www.cern.ch/Training/>

LECTURE SERIES

20, 21, 22, 23 & 24 May

11.00 to 12.00 hrs – Auditorium
The Detection of Gravitational Waves
by B. Barish, Caltec, Pasadena, USA

General Relativity predicts the emission of gravitational waves whenever compact concentrations of energy change shape. This could occur in a variety of astrophysical phenomena. For example, the coalescence of binary systems such as a pair of neutron stars or black holes emit gravitational waves that propagate through space at the speed of

Thursday 23 May

CERN COLLOQUIUM

at 16.30 hrs - Auditorium*, bldg 500
Measurements of the small scale anisotropies of the Cosmic Microwave Background from Space : The COBRAS/SAMBA mission.
by Jean-Loup PUGET / Institut d'Astrophysique Spatiale, ORSAY

The progress of detector technology allows to conceive a new generation of instruments for the measurement of the Cosmic Microwave Background following COBE which would simultaneously improve the angular resolution by a factor 60 and the sensitivity per pixel by an order of magnitude.

After a brief summary of the scientific objectives of the COBRAS/SAMBA mission recently recommended by the Space Science Advisory Committee of ESA, the concept of the mission and of the instrument will be detailed.

** Tea & coffee will be served at 16.00hrs.*

Mercredi 29 mai

PRÉSENTATION TECHNIQUE

à 14.30 hrs – Amphithéâtre AT, bât. 30, 7e étage
S5 pour Windows
par Jirair Tchalikian / Société 4ia

Il s'agit d'un équivalent sous Windows du logiciel STEP 5 de programmation des automates Siemens. Outre les avantages de l'utilisation de l'environnement Windows, ce logiciel comprend un simulateur pour les tests hors ligne.

ENSEIGNEMENT GÉNÉRAL – Tél. 5811

Jeudi 23 mai

à 13.00 h – Amphithéâtre
Science pour tous
par Rafel CARRERAS

light, and in principle, can be directly detected on the earth's surface.

This lecture series will review the possible sources of gravitational waves and the various approaches toward detection, with special emphasis on long baseline interferometer detectors.

The Laser Interferometer Gravitational Wave Observatory (LIGO) is being constructed with a goal to detect these waves and then to use them as a new tool to explore and study the Universe. The sources of gravitational waves and techniques for detection will be presented, as well as the status and prospects for the LIGO project.