

COMMUNICATIONS OFFICIELLES

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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.

INVITATION

Le Directeur général a invité Monsieur Juan A. Rubio, Junta de Energia Nuclear, Madrid, à passer trois années au CERN à partir de mars 1987 dans la Division EP.

INVITATION

The Director-General has invited Dr. Juan A. Rubio, Junta de Energia Nuclear, Madrid, to spend three years at CERN as from March 1987 in EP Division.

SEMINARS SEMINAIRES

Lundi 9 mars

PRESENTATION TECHNIQUE

de 10.00 à 15.30 h

Parking PTT, près du bât. 63

ELEKTRO-PHOENIX SA (CH), représentant de Phoenix Contact (D), propose dans son bus de démonstration une large palette de son programme de vente. Cela va du bloc de jonction simple, en passant par des relais et opto-coupleurs sur bornes, ainsi que des modules à iodes ou des blocs de jonction 41612. Nouveautés : programme TRABTECH, anti-surtensions jusqu'à 380 V et protections d'écrans ou d'imprimantes, programme Varioface, avec modules à relais et modules avec bornes à 3 étages qui font gagner de la place en largeur, beaucoup d'autres systèmes de connexions.

Langues : allemand, français

Renseignements : M. Diraison / FI / 4585

Monday 9 March

EP SEMINAR

at 16.30 hrs – Auditorium

The CP violation experiment NA31 and results on two-photon decays of neutral kaons

by H.G. SANDER / LAL Orsay and CERN-EP

The CERN experiment NA31 aims for a precision measurement of the relative branching ratios of short- and long-lived neutral kaons into neutral and charged pion pairs. We give a status report on the data analysis and present results on the two photon decays of short- and long-lived neutral kaons.

Tuesday 10 March

TECHNICAL PRESENTATION

from 09.00 to 12.00 hrs – EF Conference room
bldg 13, 2-005

Technical Presentation by BR Intec Corporation – European Divisions :

1. *Brand-Rex Ltd (GB) – Ian Mack will give a talk on*
 - a) *Halogen-free cable / low smoke cable*
 - b) *Polyrad XT, range of power and control cables with radiation resistance properties.*
2. *Company Pyle National (F) – Charles Stambolion will present electrical connectors, military standard, multipurpose and industrial applications.*
3. *Décolletage SA St.-Maurice and Electronics SA Isérables (CH) will present Garry Interconnection products, consisting of different families of precision integrated circuits sockets, like the Garry 'Quiet' IC socket.*

Language : English

Information : M. Diraison / FI / 4585

Tuesday 10 March

LEP EXPERIMENTS COMMITTEE

Open session

at 09.00 hrs – Auditorium

- 09.00-09.20 *Status of LEP (E. Picasso)*
09.20-09.50 *Working Group on the use of polarised e^+ and e^- beams at LEP (J.J. Thresher)*
09.50-10.20 *Report on the experiment vacuum chambers for the LEP detectors (C. Hauviller)*

10.20-10.40 *Report on the ALEPH microvertex detector*
 10.40-11.00 *Report on the DELPHI microvertex detector*
 11.00-11.30 *Coffee break*
 11.30-12.00 *Report on MEDDLE (P. Zanella)*

Status of LEP experiments

12.00-12.30 *DELPHI*
 12.30-13.00 *OPAL*

Lunch

14.00-14.30 *L3*
 14.30-15.00 *ALEPH*

Closed session

at 15.30 hrs – Conference Room, 6th floor, Administration Building, to be continued on Wednesday 11 March at 09.00 hrs.

Mercredi 11 et jeudi 12 mars

PRESENTATION TECHNIQUE

de 09.15 à 12.30 h et de 13.30 à 17.00 h
 Hôtel Intercontinental

PHILIPS SA (CH), département TDS/Bureautique, propose en exposition-démonstration les nouveautés de son programme (NL/D) Bureautique – Data Système : – imprimante laser, avec écriture et symboles scientifiques, raccordée au traitement de textes Philips P5040 – système de dictée et de communication – micro-ordinateur de bureau P-5040 – systèmes multifonctions traitement de textes – micro-ordinateur AT & Philips P-3200 (compatible) – systèmes de gestion et de bureautique intégrée P-4000 (serveur bureautique, serveur de gestion) réseaux.

Langues : anglais, français

Renseignements : M. Diraison / FI / 4585

Wednesday 11 March

PS SEMINAR

at 10.00 hrs – PS Auditorium
 bldg 26, 2-024

Washington Particle Accelerator Conference presentations

Posters and publications from the PS Division for the Washington Particle Accelerator Conference will be displayed in the PS Auditorium and Conference Room from 10.00 hrs onwards. The 4 oral (or invited) presentations will commence at the usual time (11.00 hrs) and will include (1) an adaptation of the PS Booster for Oxygen, (2) PS and SPS Performance for Oxygen ion runs, (3) an update on LEAR performance, and (4) a summary on recent machine studies on the AA.

Wednesday 11 March

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room
Level spacing in potentials
 by A. MARTIN / CERN

After reviewing 'classical' theorems on the order of levels in central potentials we present new results on the spacing of energy levels. First we compare energy levels with neighbouring angular momenta and on this occasion deliver an order passed eight years ago by A. De Rujula. We also look at the spacing of S state levels. Applications to quarkonium are given. A preliminary result on level order in the three-body system is presented.

Wednesday 11 March

CERN COMPUTER SEMINAR

at 16.00 hrs – Auditorium*

Research networking in the United States

by Dennis M. JENNINGS / University College, Dublin

NSFnet – the National Science Foundation's (NSF) national research network is planned to connect all US Universities and national research facilities to NSF's national supercomputer centres and to each other. Based on the DARPA Internet model, and incorporating ARPANET and other national, regional, and state networks, the network is planned to provide high speed networking (56Kb - T1) to every researcher's workstation. This seminar will outline the development of NSFnet, the technical and management decisions made, and the current status of the network. Other US networking activities will also be described.

Dennis M. Jennings is currently Director of the UCD Computer Centre and is President of the EARN Network. In 1985, D.M. Jennings was on leave of absence from UCD and worked as Program Director for Networking in the NSF's Office of Advanced Scientific Computing, where he was responsible for the initial planning and development of NSFnet. In 1986, before returning to UCD, D.M. Jennings spent several months at the John von Neumann Supercomputer Centre as Interim President of the Consortium for Scientific Computing, where he was responsible for the start-up of the Centre.

* Tea and coffee will be provided at 15.30 hrs.

Thursday 12 March

PRESENTATION

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

LCA Logic Cell Array – An innovative ASIC concept

by R. SOBHANI / MMI, Munich
 E. KARLI / Industrade, Zurich
 J.P. TISSOT / Industrade, Morges

- *MMI offers the complete semi-custom SIC solution from PA1 to LCA to Gate Array;*
- *Architecture of the HCMOS LCA family;*
- *LCA design of PC using XACT/XACTOR software;*
- *Applications, examples and demonstration.*

Friday 13 March

MEETINGS ON

PARTICLE PHYSICS PHENOMENOLOGY

at 11.00 hrs – TH Conference Room
Intermittency, fractal dimensions and fluctuations in multiple production
 by I.M. DREMIN / CERN and Moscow

Fluctuations in high-energy multiple production seem to be much stronger than usual Gaussian ones. This implies some complicated many-parton process whose properties are discussed in terms of intermittency and fractal dimensions with applications to experimental data.

Monday 16 March

EP SEMINAR

at 16.30 hrs – Auditorium

Measurement of same sign dimuon production in high energy neutrino interactions

by Howard BUDD / University of Rochester

The CCFR collaboration presents our preliminary results on rates for the production of pairs of positive and of negative muons in neutrino and antineutrino interactions with energies of 30-500 GeV. The results are based on 1.7 million neutrino and antineutrino interactions taken with a wide band beam at Fermilab. An explanation of the data does not require an anomaly outside the standard model.

Tuesday 17 March

SPS EXPERIMENTS COMMITTEE

Open session

at 09.00 hrs – Auditorium

1. Status of UNK : Its experimental facilities and experimental programme (V. Katchanov).
2. Proposal for the installation of a second silicon array in the UA2 detector (UA2 collaboration : Bern - Cambridge - CERN - Heidelberg - Milan - Orsay (LAL) - Pavia - Pisa - Saclay; C. Gössling; SPSC 87-14/P 93 Add. 4).
3. Study of high energy nucleus-nucleus interaction in Omega; (E. Quercigh; SPSC 87-18/P 206/Add. 1).

Closed session

at 14.00 hrs – Conference Room, 6th floor, Administration Building, to be continued on Wednesday 18 March at 09.00 hrs.

Tuesday 17 March

PRESENTATION

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

The Masscomp super microcomputer

by M. HUGELSHOFER / Omni Ray AG, Dietlikon

Tuesday 17 March

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

Evidence for the decay $\tau (+)$ goes to $\pi (+)$, η , antineutrino

by J. REPOND / Argonne National Laboratory, Ill.

Wednesday 18 March

PS SEMINAR

at 11.00 hrs – PS Auditorium
bldg 26, 2-024

Experimental stress analysis in mechanical components and structures

by Aldo MONDINA / Professor for
Experimental Stress Analysis, Politecnico Milano

Wednesday 18 March

DD SEMINAR

at 16.00 hrs – DD Auditorium
bldg 31, 3-005

A CPU-utilization tool : the friendly spy

by D. DAVIDS / CERN-DD

TRAINING AND EDUCATION ENSEIGNEMENT

PICKED UP FOR YOU THIS WEEK

The 1986 Brochure has been published and may be obtained on **SELF-SERVICE ONLY**, in the corridor, about 30 metres left of the Main Library door (between bldgs 2 & 510, 1st floor).

ENSEIGNEMENT GENERAL Tél. 2844

Jeudi 12 mars

de 13.00 h à 13.30 h – Amphithéâtre

Science pour tous

par R. CARRERAS

ACADEMIC TRAINING Tel. 2844-3364

12 and 13 March

11.00 hrs to 12.00 hrs – Auditorium

QCD sum rules and hadronic duality

by E. de RAFAEL / CNRS Luminy, Marseille

18, 19 and 20 March

10.30 hrs to 12.30 hrs – Auditorium

Please note unusual time

System software on high-performance workstations – Selected topics

by R. MARTY / University of Zurich

1. UNIX – A technical survey (file-mechanisms, structure of file systems, terminal-I/O, process structure, signals, system software)
2. Network file systems (principles, technical survey, the SUN NFS, future developments)
3. System software interfaces on high-performance workstations (peculiarities of system software interfaces for HPW, a layered model for an open system interface)