

se répartissant comme suit :

L. HENNY : 1387
E. CHIAVERI : 912
Bulletins blancs : 16

Participation au scrutin : 63,56%

Ainsi, Monsieur Louis HENNY est élu membre titulaire du Comité des Pensions de la Caisse d'Assurances; son mandat est d'une durée de trois ans.

Monsieur Enrico CHIAVERI est élu membre suppléant dudit Comité; son mandat est d'une durée de trois ans. Il pourvoit le poste de suppléant de M. G. MAURIN.

cast as follows :

L. HENNY : 1387
E. CHIAVERI : 912
Blank voting papers : 16

Percentage votes : 63.56%

Thus, Mr. Louis HENNY is elected member of the Pensions Board for three years.

Mr. Enrico CHIAVERI is elected alternate member of the Board, for three years. He fills the post of alternate to Mr. G. MAURIN.

SEMINARS SEMINAIRES

Monday 21 April

EF SEMINAR

at 11.00 hrs – EF Conference Room
bldg 13, 2-005

Highlights of the 1986 Vienna Wire Chambers Conference

by R. CIRIO / CERN

The Wire Chambers Conference was held in Vienna in February. The most recent developments in gaseous detectors were presented and the aging and laser calibration of such detectors considered. The conference will be reviewed, with particular emphasis on some selected topics.

Monday 21 April

EP SEMINAR

at 16.30 hrs – Auditorium

Total cross-sections for mu-neutrino and mu-anti-neutrino charged current interactions in hydrogen and neon; and proton structure functions from mu-neutrino and mu-antineutrino hydrogen interactions

by P. SHOTTON / CERN

Total cross-sections for mu-neutrino and mu-antineutrino charged current interactions between 20 and 300 GeV in hydrogen and neon are compared. The data come from consecutive exposures of BEBC filled with hydrogen (WA21) and a neon/hydrogen mixture (WA59) to the CERN Wide Band neutrino beam. The total cross-sections for mu-neutrino and mu-antineutrino charged current interactions in neon measured in the BEBC experiment WA47 using the Narrow Band beam are updated, and used together with the hydrogen-neon cross-section ratios to obtain the total cross-sections on protons with a precision of 6%. The quark density distributions of the proton are then extracted using a data sample of about 15,000 selected events from the WA21 experiment.

Monday 21 April

SCIENCE AND SOCIETY SEMINAR

at 20.30 hrs – Auditorium

Nuclear Winter

by J. HARTE / Univ. of California, Berkeley

Following a brief history of developments in our understanding of the potential consequences of nuclear war, the nuclear winter phenomenon will be described and the underlying physics explained. The uncertainties in our present understanding of nuclear winter will be discussed and the current diversity of views about both the phenomenon, itself, and its policy implications will be presented.

Mardi 22 avril

PRESENTATION TECHNIQUE

de 09.00 à 12.00 h – bât. 17, 1-007

Henry BENZ (CH) présente : système de nettoyage Netci in Line de OSL (F), P.C. Flex Mask et lotion de protection pour les mains de Contronic Devices Inc. (USA), machines et dispositifs pour couper et cambrer, machine et table d'assemblage, machine à souder, machine à insérer, etc. de Herbert Streckfuss GmbH (D), machines à dénuder pneumatiques, support de circuits imprimés, extracteurs de fils, dispositifs d'insertion de Technical Devices Co. (USA), machines à dénuder de Carpenter Mfg. Co (USA), machines à dénuder et à tronçonner de Arno Fuchs (D), IC-Dispenser modèle 2000 (CH), chambres d'essai thermiques de Mahlo GmbH (D), outils de production pour l'industrie électronique de T.I.P. Technology in Production (D), porte-circuits, aspirateurs pour fumée de soudure, dispositifs pour couper et cambrer, compteurs électroniques de Iteco (I), système de nettoyage de Electrautom Ltd (GB), appareil de nettoyage par ultra-sons de Telsonic (CH).

Langues : allemand, anglais, français

Renseignements : M. Diraison / FI / 4585

Tuesday 22 April

CERN COLLOQUIUM

at 16.30 hrs – Auditorium*

Acid precipitation

by J. HARTE / Univ. of California, Berkeley

The first half of the lecture will review current information about acid precipitation and its effects worldwide, emphasizing the distinction between facts and speculations. The second half will describe progress currently being made to resolve some of the major scientific uncertainties. The emphasis here will be on the problems of assigning sources and predicting the future behaviour of acidifying ecosystems.

* Tea and coffee will be provided at 16.00 hrs

Wednesday 23 April

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

Dark matter and Munich

by D. SECKEL / CERN

The recent ESO/CERN meeting in Munich provided a review of the interface between particle physics and cosmology/astrophysics. The seminar will concentrate on those discussions that pertained to determining the nature of dark matter and the problem of galaxy formation. Specific topics include : the observability of cold dark matter, the resurrection of the 30 eV neutrino for cosmology, and the role cosmic strings may play in galaxy formation.

Wednesday 23 April

LEP SEMINAR

at 14.30 hrs – LEP Auditorium

A 4 MW liquid load for testing of the LEP high voltage D.C. power converters

by K. DAHLERUP-PETERSEN / CERN

For the performance of full-power, long-term stability tests of the LEP klystron power converters as well as for evaluation under operating conditions of the crow-bar protection system, a 100 kV, 40 A resistive dummy load was developed and built by the LEP-PC Group. The theoretical aspects, the basic concept, the design and manufacture will be described in details. The results of real-time simulations on computer of the dynamic behaviour of the load are presented.

Thursday 24 April

CERN COLLOQUIUM

at 16.30 hrs – Auditorium*

Solar and stellar seismology

by G.R. ISAAK / Univ. of Birmingham

The standing waves within the invisible interior of the sun show up as minute oscillations of velocity and luminosity of the surface layers. These waves probe the structure and velocity of the interior. Among currently exciting topics in solar physics are rapid rotation of the core and tests of general relativity, the low solar neutrino flux

and the existence of weakly interacting massive particles. In the near future, extension of the measurements to all stars appears possible. In the more distant future, quadruple normal modes of oscillation could provide a sensitive comb detector of monochromatic gravitational radiation.

* Tea and coffee will be provided at 16.00 hrs

Vendredi 25 avril

PRESENTATION TECHNIQUE

de 09.00 à 13.00 h

Bus, parking PTT, bât. 63

AMPHENOL GmbH (D, F, GB, I) présente : Connecteurs circulaires et rectangulaires pour l'industrie, connecteurs pour circuits imprimés, connecteurs pour câbles plats, connecteurs coaxiaux, connecteurs à contact à filtre, connecteurs T-sub, connecteurs pour fibres optiques, connecteurs SMD (Surface Mounted Device)

Langues : allemand, anglais, français

Renseignements : M. Diraison / FI / 4585

Monday 28 April

EF SEMINAR

at 11.00 hrs – EF Conference Room

bldg 13, 2-005

The DELPHI time projection chamber (TPC)

by H. FOETH / CERN

The central tracking device for the DELPHI detector is a large volume TPC. Basic principles and the construction will be described.

Monday 28 April

DD SEMINAR

PLEASE NOTE UNUSUAL DAY

at 16.00 hrs – DD Auditorium

bldg 30, 3rd floor

Computer music under Unix eighth edition

by T.J. KILLIAN, AT&T Bell Laboratories, Murray Hill, New Jersey

An evolving computer music system will be described which draws upon many of the novel facilities of the 8th edition as well as the standard repertoire of Unix tools. The Teletype 5620 bitmap display serves both as the user's terminal and real-time controller. The mux window system is used to download a MIDI interface driver which services other windows (by direct code sharing) and host processes (which write on the driver's control stream). We presently have two MIDI-compatible instruments, a Yamaha DX7 and TX816. We will show (and play) examples of pieces and discuss future plans which centre around 12-tone serial composition.

Monday 28 April

EP SEMINAR

at 16.30 hrs – Auditorium

The OPAL Jet Chamber full scale prototype

by D. SCHAILE / CERN

Tuesday 29 April

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

QCD and the dynamics of confinement :

A problem that is being solved

by Giuliano PREPARATA / Frascati

TRAINING AND **EDUCATION** **ENSEIGNEMENT**

Lundi 21 avril

PILOTAGE DE CARRIÈRE

(Le succès n'est pas un hasard)

à 11.30 hrs – Baraque 593, Salle 11

Conférence donnée en français, par Madame **Esther Jouhet**, responsable de la formation à la Télévision et Radio suisse romande, suivie d'une discussion générale qui pourra se prolonger pendant le déjeuner (Tortella).

Cette conférence étant d'intérêt général, toute personne intéressée est la bienvenue. Elle est organisée par le «Secretarial Discussion Group» avec le support du Service de l'Education.

Pour tout renseignement complémentaire, veuillez contacter Michèle Jouhet (2277) ou Christa Parthé (4619).

N.B. : Copies du compte-rendu de la précédente conférence (IBM) disponibles auprès de M. Robillard / DG (3224) et Ch. Parthé / SPS (4619).

PICKED UP FOR YOU THIS WEEK

The 1985 Brochure has been published and may be obtained **ONLY** from the **SELF-SERVICE** shelf, near the entrance to the **MAIN LIBRARY** (TH).

INFORMATIONS

GENERALES

GENERAL INFORMATION

1er MAI : PUBLICATION DU BULLETIN HEBDOMADAIRE

A cause du 1er mai, jour férié, **le dernier délai du Bulletin hebdomadaire no. 18**, qui sortira le vendredi 2 mai, sera exceptionnellement avancé au **lundi 28 avril à midi**.

Nous vous remercions de votre compréhension.

Section Publications
Tél. 3475, 4106

1st MAY : PUBLICATION OF THE WEEKLY BULLETIN

Because of the holiday on Thursday 1st May, **the deadline for material for publication in Bulletin No. 18**, which will appear on Friday 2 May, will be brought forward to **midday on Monday 28 April**.

Thank you for your co-operation.

Publications Section
Tel. 3475, 4106

A VENDRE AUX DIVISIONS

8 alimentations courant continu

sortie : $2 \times 220 \text{ Vcc} - 5 \text{ kW}$

$1 \times 220 \text{ Vcc} - 3 \text{ kW}$

entrée : 380 V - tri.

5 alimentations courant continu (variable)

sortie : $0 - 220 \text{ Vcc} - 0,8 \text{ kW}$

entrée 380 V - mono

Ce matériel est visible au bât. 133.

Division Support Technique
Groupe Logistique
R. Gruaz, tél. 5782 ou bip 6207

PRESENTATION TECHNIQUE

Hewlett Packard

Hewlett Packard Suisse propose le prêt d'un système complet VECTRA (compatible IBM/AT) 20MB Hard Disk, 1*360k Disk Drive, 1*1,2MB Disk Drive pour être évalué et testé au CERN, pendant une période de deux mois.

Toute personne ou tout groupe intéressé par ce prêt de matériel peut contacter F. Saldana / EP, tél. 6256, beep 13/7030.