

Le Conseil d'administration a ensuite proposé le renouvellement, par le Conseil du CERN, à compter du 1er janvier 1994 des mandats de Président et de Vice-président du Conseil d'administration, respectivement Paul Levaux et Guy Maurin, pour une durée de trois ans. Il reste encore à pourvoir au second poste de vice-président.

Finalement, le Conseil d'administration a pris connaissance du rapport du Commissaire aux comptes sur le rapport annuel 1992 de la Caisse de pensions et des commentaires de l'Administration.

Il a été pris note avec regret du décès de MM. H. Piron et J.M. Colmez.

## **RAPPORT ANNUEL 1992 DE LA CAISSE DE PENSIONS**

Le rapport annuel 1992 de la Caisse de pensions, qui a été approuvé par le Conseil lors de sa session du 25 juin 1993, est disponible dans les secrétariats de division.

Les bénéficiaires de pensions qui désirent obtenir ce document sont priés de s'adresser à l'Administration de la Caisse (tél. 767 27 38), bât. 5, 1-030.

## **SEMINARS SEMINAIRES**

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### **Monday 12 July**

#### **DETECTOR SEMINAR**

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

#### **Some perspectives of transition radiation detectors**

by K.A. ISPIRIAN / Yerevan Physics Institute,  
Yerevan, Armenia

*Transition radiation detectors are frequently used to identify relativistic particles with a Lorentz factor  $\gamma = 10^3$  to  $10^4$ . We present a novel concept to extend this technique to higher values of  $\gamma$  up to  $\gamma = 10^5$ . This method may be of value at future hadron colliders.*

### **Monday 12 July**

#### **PPE SEMINAR**

at 16.30 hrs – Auditorium

#### **B Physics with the CDF experiment at Fermilab**

by Vaia PAPADIMITRIOU / FNAL (CDF  
Collaboration)

*Recent measurements of B hadron and b-quark production cross sections in  $\bar{p}p$  collisions at  $\sqrt{s} = 1.8$  TeV, using exclusive and inclusive B decay modes, will be presented and compared*

Paul Levaux and Guy Maurin, for a further three years from 1st January 1994. The second Vice-Chairman still had to be appointed.

Finally, the Governing Board took note of the auditor's report on the 1992 Annual Report of the Pension Fund and the Administration's comments.

It regretfully took note of the deaths of Messrs. H. Piron and J.M. Colmez.

## **1992 ANNUAL REPORT OF THE PENSION FUND**

The 1992 Annual Report of the Pension Fund, which was approved by Council at its session of 25 June 1993, is available from Divisional secretariats.

Pension beneficiaries who wish to obtain this document should contact the Administration of the Fund (tel. 767 27 38), bldg 5, 1-030.

*with theoretical predictions. A precision measurement of the average B hadron lifetime and a preliminary measurement of the charged to neutral B meson lifetime ratio will be also presented. Observation and mass measurement of the  $B_s$  and results on the search for the  $\Lambda_b$  will be reported as well.*

### **Tuesday 13 July**

#### **CERN PARTICLE PHYSICS SEMINAR**

at 16.30 hrs – Auditorium\*

#### **Summary of HADRON 93**

#### **Experimental results in HADRON spectroscopy**

by Lucien MONTANET / CERN-PPE

*HADRON 93 took place in Como, 21-25 June 1993. We shall review the results presented at the conference on light and heavy quark HADRON spectroscopy.*

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

### **Wednesday 14 July**

#### **PRESENTATION**

at 11.00 hrs – PS Auditorium  
bldg 6/2-24

#### **The World-Wide Web : a guided tour**

by R. CAILLIAU / CERN-ECP

This presentation will entirely consist of the live projection in colour of navigation in the information from the PS Division, CERN, and many other institutes by the simple click of a mouse button. Its aim is to show you what information is available on-line from your desktop, how easy it is to get at it, and what is yet to come. The World-Wide Web or W3 is currently the simplest way to access on-line information from systems on the Internet. Its usage has spread fast, both inside and outside the HEP community. Questions will be answered throughout the demonstration.

## Wednesday 14 July

### THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

#### Lattice chiral fermions from a domain wall defect

by D. KAPLAN / U.C. San Diego

One can construct a lattice theory of fermions in odd dimensions with a domain wall mass defect, such that the effective field theory on the even dimensional defect exhibits a chiral spectrum. In the presence of background gauge fields the anomaly structure of the effective chiral field theory is correctly accounted for by the flow of Chern-Simons current in the extra dimension. The topological character of the system makes it look promising as a non-perturbative regulator for interacting chiral gauge theories, but naïve attempts fail. I discuss briefly a promising approach by Neuberger and Narayanan.

## Friday 16 July

### MEETING ON PARTICLE PHYSICS PHENOMENOLOGY

at 14.00 hrs – TH Conference Room

#### Exploring new physics with CP asymmetries in B decays

by Y. NIR / Weizmann Institute

CP asymmetries in neutral B decays into final CP eigenstates are theoretically very clean. That would enable an unambiguous observation of New Physics effects. Measuring several modes would further distinguish among the possible new sources of CP violation. The asymmetries are sensitive to extensions of the quark sector and of the scalar sector and to supersymmetry. They would crucially test various schemes for quark mass matrices.

## Monday 19 July

### PPE SEMINAR

at 16.30 hrs – Auditorium

#### CCFR Results on neutrino scattering at the Tevatron

by Wesley H. SMITH / University of Wisconsin

Results are presented from deep inelastic interactions in neutrino-nucleon scattering at the CCFR neutrino detector in the Fermilab Tevatron quad-triplet neutrino beam. The structure function data sample consists of 1,000,000 neutrino-induced and 165,000 antineutrino-induced charged-current events (after cuts). The non-singlet QCD evolution is

compared to  $xF_3$  to determine the value of  $\Lambda_{\overline{MS}}$  with 50 MeV accuracy, and the combined non-singlet and singlet evolution is used to address the question of the shape of the gluon distribution. A sample of 5030 neutrino and 1060 antineutrino induced opposite sign dimuon events with  $30 > E_\nu > 600$  GeV allows the first next-to-leading-order extraction of the charm quark mass parameter, the nucleon strangeness content, the  $x$  dependence and the scaling behavior of the strange quark distribution function and a measurement of the CKM matrix element  $V_{cd}$ . The ratio of charged-current to neutral-current deep inelastic interactions is used to make a high-precision measurement of the weak mixing angle. This result represents the most precise measurement, with the highest statistics and mean neutrino energy, from neutrino-nucleon scattering experiments to date.

## Tuesday 20 July

### CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

#### Selected highlights of DZero

by Bernard G. POPE / Michigan State University

## Thursday 22 July

### CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

#### On the experimental program at UNK

by Alexandre ZAITSEV / Serpukhov IHEP

## Friday 23 July \*

### SPECIAL COLLOQUIUM

at 14.30 hrs\* – Auditorium

#### Overview of the International Thermonuclear Experimental Reactor

by Paul-Henri REBUT / Director ITER-EDA, San Diego, USA

Preceded by an introduction on "The European Fusion Programme"

by Charles MAISONNIER, Director "Fusion Programme" DG XII - CEC - Brussels

\* Please note unusual day and time