

GOVERNING BOARD OF THE PENSION FUND

CONSEIL D'ADMINISTRATION DE LA CAISSE DE PENSIONS

The minutes of the Annual General Assembly of the members and beneficiaries of the Fund, which was held on 13 September 1994, is available at division secretariats. Pension beneficiaries can obtain this document directly from the Administration of the Fund, tel. (767)4421/2738.

Le procès-verbal de l'Assemblée générale annuelle des membres et bénéficiaires de la Caisse, qui s'est tenue le 13 septembre 1994, est disponible dans les secrétariats de division. Les bénéficiaires de pension peuvent obtenir ce document en s'adressant directement à l'Administration de la Caisse, tél. (767) 4421/2738.

SEMINARS SEMINAIRES

Tuesday 17 January

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium *

A new light on the Solar neutrinos problem.

by M. CRIBIER / DAPNIA/SPP, CEN Saclay

Since 25 years the solar neutrino deficit is puzzling the scientific community. The unusual radiochemical techniques used by 3 (out of 4) experiments produce sometimes scepticism on the reliability of the results. For the first time, GALLEX exposed its detector to a powerful man-made neutrino source. Details on the experiment and the results will be presented along with the impact on the interpretation of the solar neutrino deficit.

Tea & coffee will be served at 16.00 hrs.

Thursday 19 January

LARGE HADRON COLLIDER COMMITTEE

Open Session

at 09.00 hrs – Auditorium

09.00-09.15 Status of the LHC project (C. Llewellyn Smith)

09.15-12.45 Presentation of the ATLAS Technical Proposal

14.00-17.30 Presentation of the CMS Technical Proposal

Friday 20 January

SL SEMINAR

at 11.00 hrs – SL Auditorium, Prévessin,
bldg 864, 1st floor

Three Turn Commissioning of CEBAF

by A. Hutton / CEBAF, U.S.A.

EDUCATION SERVICES EDUCATIFS

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LECTURE SERIES

9, 10, 11, 12 & 13 January

11.00 to 12.00 hrs – Auditorium

Detector applications in medicine and biology

by A. DEL GUERRA / University of Ferrara, Italy

In recent years new diagnostic and therapeutic methods have been attracting more and more dedicated attention by the scientific community. The goal is a better understanding of the anatomy, physiology and pathology of the human being in an effort to find more appropriate medical prevention, diagnosis and therapy. Many of the achievements obtained so far derive

from the use and the optimisation of detectors and techniques, which originated in the other fields of physics. The spin-off of High Energy Physics to Medical Physics has been particularly relevant in the field of detectors for medical imaging and especially for medical imaging with ionizing radiation. In this series of lectures, starting from the requests of each technique and/or application I will attempt to present a survey of the detectors for medicine and biology. Various fields of medical imaging will be touched : radiology, digital radiography, mammography, Single Photon Emission Computed Tomography, Positron Emission Tomography and radiotherapy. The capabilities of the major types of detectors (1-D and 2-D position sensitive, and pixel type) will be correspondingly analyzed : scintillation, gaseous and solid state detectors. Finally some specific applications as in synchrotron radiation and in the biological field will be addressed.