

THURSDAY 21 OCTOBER

TECHNICAL PRESENTATION

09.00-16.30 - EP Conference Room
(Bldg. 1, 1-025)

SILENA S.p.A. (I) will demonstrate the SILENA "System 27". It is a portable, extremely versatile and easy to operate pulse height analyser that incorporates a number of significant design advances studied to meet the needs of research workers in the nuclear physics field.

The main features include a 1024-channel memory, a 2048-channel analog-to-digital converter, a built-in display and parallel printer. The system also provides for selection of any number of regions of interest, spectra integration with or without background subtraction, data out to magnetic cassettes and interfacing to digital computers.

Language: English.

Information:
M. Diraison/FI/tel. 4585

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

"Neutral Current and Parity Violation in the Gargamelle Neutrino Experiment"
by P. Petiau / Ecole Polytechnique, Paris.

MONDAY 25 OCTOBER

EP SEMINAR

at 11.00 - Large Conference Room
(Lab. 13 - 2-005)

"Recent results on high p_T phenomena from the ISR/Split Field Magnet facility and their impact on hard scattering models"

by H.G. Fischer / CERN

NUCLEAR PHYSICS SEMINAR

at 16.00 - Theory Conference Room

"Multiple production in high-energy hadron-nucleus collisions"

by L. Bertocchi / CERN-Trieste

Abstract: The experimental situation and the comparison with the predictions of a number of theoretical models will be reviewed.

TUESDAY 26 OCTOBER

PARTICLE PHYSICS SEMINAR

at 16.30 - Main Auditorium

"A topological approach to the dynamics of quarks and hadrons"

by G. Veneziano / Weizmann Institute-CERN

TRAINING AND EDUCATION ENSEIGNEMENT

THURSDAY 21 OCTOBER

FRIDAY 22 OCTOBER

ACADEMIC TRAINING

at 11.00 - Auditorium

"Relationship between structure of materials and their properties"

by M.B. Waldron / University of Surrey

(For details, see last week's Bulletin and notices)

JEUDI 21 OCTOBRE

ENSEIGNEMENT GENERAL

13.00-13.30 - Amphithéâtre

"Science pour Tous" - R. Carreras

Programme

1. En bref

- Vu, lu et entendu.
- Les "petits ions" de l'air ont-ils une influence sur les êtres vivants ?
- L'élément 107 synthétisé.

2. Question

La plus grande partie du mercure qui se trouve dans l'atmosphère terrestre ne provient ni de l'activité humaine, ni des volcans, ni des sources thermales, ni des océans, ni de l'espace (météorites, etc.). Il y a, en effet, une "mystérieuse" source de mercure sur notre planète. Laquelle ?

3. Thème principal (pour détails, voir affiches)

"Cartographie thermique de la planète Mars"

THURSDAY 28 OCTOBER

FRIDAY 29 OCTOBER

ACADEMIC TRAINING

at 11.00 - Auditorium

"Reinforcement of brittle matrices (Composite materials)"

by A. Kelly / University of Surrey

Abstract: The theory and practice of reinforcing brittle things such as cement, resins, plaster, and glass with fibres will be reviewed. The difference between fibre reinforcement and particle reinforcement will be emphasized.

The first lecture will give the basic theory and relate the matrix cracking strain and failure of the composite to parameters such as volume fraction, elastic modulus, length and strength of the fibres to the properties of the composite.

The second lecture will apply the theory to reinforced cements and plasters, increasing the stiffness of a composite at large strains, inhibiting cracking in a laminate, and the use of polymer fibres to replace, for example, asbestos.

Lectures are intended for materials scientists, metallurgists, physicists and chemists, and all interested in new structural materials for high performance at low cost.

INFORMATIONS GENERALES GENERAL INFORMATION

FRIDAY 22 OCTOBER

HIGH-ENERGY PHYSICS FOR THE OTHERS

at 16.00 - Auditorium

"On how to create the new forms of matter"
by L. Van Hove / CERN

(First of two lectures; the second lecture will be on 26 November)

Abstract: A new form of matter, going under the name of "charmed particles", has been discovered in the course of this year. The best way to produce it is by annihilating electrons with their antiparticles (positrons). The next best ways are with neutrino and photon beams. Many physicists try to understand why this is so, and what the implications are for the long-range future of CERN. These problems will be discussed in two lectures intended for non-specialists.

REINTEGRATION DANS LA SECURITE SOCIALE NATIONALE NEERLANDAISE

Dans le but d'obtenir une vue générale des questions qui pourraient exister auprès du personnel néerlandais au sujet de la réintégration dans le système de sécurité sociale nationale des Pays-Bas, les personnes intéressées sont priées de les communiquer à : M. F.C. van Holten, DG, tél. 2753, de préférence par écrit.

Service des Affaires sociales
Division du Personnel

TO ALL MEMBERS OF CERN PERSONNEL

This is to remind you that the Rules of the CERN Staff Insurance Scheme (provisional edition), in force as from 1 July 1976, are available and may be obtained on request at divisional secretariats.

Article 35 thereof (note in particular Article 35.2) indicates how the Rules apply to members who entered the Scheme before the entry into force of the Rules.

Management of the Staff Insurance Scheme

A TOUS LES MEMBRES DU PERSONNEL

Nous vous rappelons que les Statuts de la Caisse d'Assurances du CERN (édition provisoire), en vigueur depuis le 1^{er} juillet 1976, sont disponibles auprès des secrétariats de divisions.

Vous y trouverez, à l'Article 35 (voir en particulier Article 35.2), de quelle manière ils s'appliquent aux personnes qui étaient membres de la Caisse avant le 1^{er} juillet 1976.

Administration de la Caisse d'Assurances

VACCINATION CONTRE LA GRIPPE

Le Service Médical vous rappelle que cette vaccination paraît spécialement recommandée pour :

- les personnes présentant une affection chronique susceptible de diminuer leur résistance à la maladie : affection cardiaque ou séquelles d'affection cardiaque (séquelles d'infarctus, par exemple), affection pulmonaire (bronchite chronique, emphysème, insuffisance respiratoire), affections vasculaires et rénales, diabète ;
- les personnes convalescentes d'affections ou d'interventions graves ;
- d'une façon générale, les personnes de plus de 50 ans .

Les membres du personnel entrant dans ces catégories et désirant être vaccinés doivent prendre contact le plus tôt possible avec leur médecin traitant.

Dr. J.P. Diss / Service Médical

VACCINATION AGAINST INFLUENZA

The Medical Service reminds you that this vaccination is recommended for:

- persons with chronic complaints rendering them less resistant to illness, such as heart disease or sequelae to heart disease (sequelae to heart attacks for instance), lung conditions (chronic bronchitis, emphysema and respiratory insufficiency), circulatory and kidney problems, and diabetes;
- persons convalescing after serious illnesses or operations;
- in general, persons who are more than 50 years old.

Persons in these categories and wishing to be vaccinated should arrange this with their private doctors soon, before the start of the cold season.

Dr. J.P. Diss / Medical Service

RECHERCHE RADIO

Nouveau numéro : 8-149 Bertalmio G.