

Il a été mentionné dans le bulletin no. 41 du 9.10.1989 que les enfants de fonctionnaires internationaux peuvent être dispensés d'adhérer au régime de sécurité sociale des étudiants français sur présentation d'une attestation de l'organisation. Cette attestation est à demander à l'Administration du Personnel, Division PE.

Avant qu'ils ne prennent une telle décision, l'attention des parents est attirée sur les avantages résultant de l'affiliation au régime de sécurité sociale étudiant, à savoir :

- intégration dans le système français de sécurité sociale (ce qui permet en cas de maladie ou accident entraînant l'interruption des études, le maintien de droit aux prestations et éventuellement en cas d'impossibilité de terminer les études dans le temps imparti le recul de la limite d'âge de 4 ans au maximum),

- les prestations de l'assurance maternité,
- la réduction ou la suppression de la participation dans certains cas (traitements prolongés, thérapies coûteuses, etc.),
- pour les prestations délivrées en France, le remboursement à 100 % grâce au cumul possible avec les remboursements de l'Austria (qui joue un rôle complémentaire).

ATTENTION : *En cas d'interruption d'études après l'âge de 20 ans, même pour raison de santé, l'enfant cesse d'être considéré à charge par le CERN (art. R IV 1.15 b) et ne bénéficie plus de sa couverture sociale (Austria, notamment).*

Division du Personnel
Tél. 3238

SEMINARS SEMINAIRES

Monday 8 October

PPE SEMINAR

at 16.30 hrs – Auditorium

Tracking with the ALEPH-Detector

by W. WIEDENMANN / CERN-PPE

The central tracking systems of the ALEPH detector and its operational achievements during the LEP data taking periods are discussed, including a description of the basic hardware and software concepts. The tracking performance of the ALEPH Time Projection Chamber (TPC) and the Inner Tracking Chamber (ITC) has been studied using the data taken during the LEP run periods in 1989 and 1990. Results on the dE/dx -resolution of the TPC, the single coordinate-, the two track- and the momentum-resolution of the complete tracking system obtained after careful correction of residual distortions and optimization of coordinate reconstruction algorithms are presented.

Wednesday 10 October

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

Particle physics and the Schroedinger equation

by André MARTIN / CERN

In this talk we describe the interaction between the Schroedinger equation and particle physics. On the one hand, the description of hadrons, especially

heavy quark systems, but also baryons, by the Schroedinger equation with a reasonable two-body potential has been extremely successful. On the other hand, the use of a potential not precisely known but satisfying only general constraints has raised a number of interesting theoretical questions on the properties of the solutions of the Schroedinger equation. A number of theoretical results on the order of energy levels, spacing of energy levels, wave functions at the origin, mass dependence on the amount of strangeness in the baryon decouplet have been obtained and a subset of them will be presented, including very recent ones, with their applications in and outside the field of particle physics.

Wednesday 10 October

CN SEMINAR

at 15.30 hrs* – CN Auditorium
bldg 31, 3-005

NEXTRA, Knowledge Acquisition Tool for NEXPERT Object

by J.-M. CHAUVET / Co-Founder and VP of NEURON Data Inc., Paris &
A. MUEHLEMANN / VP Koller + Partner
AG, Baeretswil

NEXTRA integrates a suite of programs which provide facilities for the interactive interview of experts, graphical analysis of their conceptual structures and transfer of these structures to NEXPERT Object, Neuron Data's rule-based and object oriented expert system environment. NEXTRA is designed to involve the experts in the exploration of their conceptual structures and thinking processes. It helps them to make their knowledge more overt by asking them questions and displaying graphic representation of the knowledge elicited to that point. It shows which entities

and attributes are most similar, what causes this similarity, and how to differentiate them. NEXTRA's unique capabilities to compare multiple viewpoints and multiple sources of expertise create new opportunities for knowledge engineering. Group brain storming is a powerful process for eliciting ideas and knowledge. NEXTRA structures this process and clarifies the critical issues where further group discussion will be productive. NEXTRA provides many different ways for interactive analysis of the expertise : data display, cluster and map analyses (principal components analysis), induct logical analysis, compare methodology for multiple experts. NEXTRA can be used as a knowledge processing and decision support tool as well as a rapid prototyping front-end to NEXPERT Object.

* Please note unusual time!

Monday 15 October

SPECIAL SEMINAR

at 14.30 hrs – Auditorium

Present and future of KEK

by H. SUGAWARA / Director of KEK, Japan

Mercredi 17 octobre

SEMINAIRE CN/CE

de 09.00 à 12.00 h – Amphithéâtre LEP
bât. 30, 7e étage

Normalisation dans l'électronique Symbolisation graphique : logique binaire, analogique

par Chris SIMPSON / Chargé des relations
publiques à la CEI*, Genève,
Maurice DUCOMMUN / Ex-président du
Sous-comité 3C de la CEI &
L. NISSOU / spécialiste en normalisation et
ingénieur au CNET**, Paris

* CEI : Commission Electrotechnique Internationale

* CNET : Centre Nationale d'Etudes des Télécommunications

TRAINING AND EDUCATION ENSEIGNEMENT

ENSEIGNEMENT GENERAL

Tél. 5811 ou 3674 (le matin)

Jedi 11 octobre

de 13.00 h à 13.30 h – Amphithéâtre

Science pour tous

par R. CARRERAS

Wednesday 17 October

TECHNICAL PRESENTATION

from 09.30 to 16.30 hrs – bldg 17, 1-007

Ozalid AG (CH) representing Toshiba (J) will introduce the state of art for portable computers.

Languages : English, French

Information : M. Diraison / FI / 4585

Wednesday 17 October

TECHNICAL PRESENTATION

10.00 to 12.00 hrs – CN Auditorium
bldg 31, 3-005

Real-world solutions to today's networking needs

by Jim CARDY / AMD Munich

Language : English

Information : M. Diraison / FI / 4585

Wednesday 17 October

CN SEMINAR

at 16.00 hrs – Auditorium

A review of Japanese high-end computing

by Sverre JARP / CERN-CN

Thursday 18 October

CERN COLLOQUIUM

at 16.30 hrs – Auditorium

The Soviet-American Gallium Experiment

by Thomas J. BOWLES / Los Alamos
National Laboratory

ACADEMIC TRAINING

Tél. 2844-3674

15, 17, 19, 23 & 25 October

LECTURES FOR POSTGRADUATE STUDENTS

10.30 to 12.00 hrs – Auditorium

Quantum field theory

by B. DE WIT / Institute for Theoretical
Physics, Utrecht

After a brief and practical introduction to field theory and the use of Feynman diagrams, we discuss the main concepts in gauge theories and their application in elementary particle physics. We present all the ingredients necessary for the construction of the standard model.