

STAFF INSURANCE SCHEME - SPECIAL ANNOUNCEMENT

In the (new) Rules of the CERN Staff Insurance Scheme, it is stated that members may apply to the Management Board of the Scheme to buy in added years of membership under certain conditions.

In September 1976, an Information Sheet issued by the PE Division informed the staff that under certain conditions a grant equal to one month's salary per year of service (maximum 12 months) may be paid by the Organization to holders of indefinite appointments interested in leaving CERN.

There is an obvious link between these two facts, which is that if application is made in time, it may be possible to use part of the termination grant to improve the member's pension entitlement, whether the pension be payable immediately or later.

The Administration of the CERN Staff Insurance Scheme is preparing information for all staff on each individual's pension situation. However, this takes some time, and if any staff member is seriously considering taking advantage of the termination grant mentioned above within the next year, he (or she) should not hesitate to contact either his own Personnel Officer or the Management of the CERN Staff Insurance Scheme (building 53 - R-068) if he needs any explanations, or confirmation of his own calculation, concerning the possibility of buying in added years.

Management of the Staff
Insurance Scheme

(References : Rules of the Staff Insurance Scheme, Art. 12, 18, 19, 35 (76) - Information Sheet (PE Div.) Staff Rules Art.II, 6,01, Sept.76.)

STAFF INSURANCE SCHEME - ELECTIONS

Voting papers will be distributed soon to electors via the internal mail. Please remember - votes only count if sent in the official envelopes distributed at the same time.

Administration of the Staff
Insurance Scheme

CAISSE D'ASSURANCES - ELECTIONS

La distribution des bulletins de vote, ainsi que des enveloppes officielles, seules acceptables au scrutin - sera bientôt faite par courrier interne.

Administration de la
Caisse d'Assurances

INFORMATION MEETING FOR CERN USERS

TUESDAY 23 NOVEMBER 1976

at 16.00 hrs - Auditorium
Closed-circuit television transmission
will be available in the Council Chamber.

Agenda :

1. Running in of the SPS
2. The Scientific Programme of CERN 1977-1980
3. The Longer-range Future
4. Setting-up of an association of CERN Users (Official name to be decided later.)
Report presented by the Commission of Unpaid Associates
5. Other Business.

J.B. Adams - Executive Director-General L. Van Hove - Research Director-General

SEMINARS SEMINAIRES

MONDAY 22 NOVEMBER

BEBC USER's GROUP

at 10.00 hrs - Council Chamber

Agenda for the Second Meeting :
Open Session

- SPSC Report
- Report of EMI Working Party
- Report of Neutrino-Monitoring Working Party
- Discussion of Status Reports in Newsletter 1 on SPS, BEBC, Beams, etc...

EP SEMINAR

at 11.00 hrs - EF Conference Room
(Lab.13-2.005)

"Inclusive Production of Lambda in the
Proton Fragmentation Region from
 $K^+ p \rightarrow \Lambda X$ at 4.2 GeV/c"
by S.N. Ganguli/CERN

Abstract : From a high statistics experiment of 104 events/ μb with 4.2 GeV/c $K^+ p$ interactions a study of Λ production is made in $p K^+ \Lambda$. The polarization of Λ for the off-mass-shell strangeness annihilations $K\bar{K} \rightarrow \text{pions}$ and strangeness non-annihilations $K\bar{K} \rightarrow K\bar{K} + \text{pions}$ are found to be different; the intercepts of the leading Regge trajectories for the two processes are shown to be different; a remarkable similarity in the polarization of Λ from strangeness non-annihilation process and that from $pp \rightarrow \Lambda + \text{anything}$ is seen.

PS COMMITTEE

at 14.30 hrs - Auditorium

Agenda for the third meeting :
Open Session

1. Introductory remarks, by Prof. L. Van Hove
2. A study of the X-rays of protonium in hydrogen gas - CERN-Daresbury-Mainz-TRIUMF collaboration; presented by J. Bailey.

ISR SEMINAR

at 14.30 hrs - ISR Auditorium (top floor
of building 30)

"The SLAC Approach to Experimental Support"
by D. Coward / ISR Visitor from SLAC

Abstract : A description will be given of how SLAC is organized to offer support to groups performing experiments there. The practical working of the system will be illustrated by a brief survey of the design and installation of apparatus for an experiment in which polarized electrons are scattered from polarized protons.

MONDAY 22 NOVEMBER

CERN NUCLEAR PHYSICS SEMINAR

at 16.00 hrs - Theory Conference Room

"Giant isoscalar resonances in nuclei :
a sum rule approach"

by J. Marterell / SIN

Abstract : The main features of giant resonances in heavy nuclei are studied using three energy weighted sum rules. The information on the dynamical properties of the nucleus contained in these is discussed. The approach allows a systematic comparison of various collective theories (RPA, generator coordinates) and gives a simple derivation of the Suzuki-Mottelson model.

WEDNESDAY 24 NOVEMBER

DISCUSSION MEETING

at 14.30 hrs - Auditorium

"Technical and physics aspects of $\bar{p}p$
colliding beam experiments"

Main speakers : S. Van der Meer, B.G. Pope

THURSDAY 25 NOVEMBER

ESO ASTROPHYSICS SEMINAR

at 11.30 hrs - DD Conference Room
(Bldg.31 - 3rd floor)

"Black holes in quasars : science or
fiction"

by P. Veron / ESO

Abstract : Cygnus X-1 is possibly a black hole of stellar mass. It has been suggested that X-ray sources in globular clusters may be black holes of ~ 1000 solar masses. Nuclei of galaxies are some kind of giant globular clusters. Could it be possible that Seyfert nuclei and quasars are related to giant black holes ?

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

"Latest Results of the 4th Joint CERN-IHEP
(Serpukhov) Experiment (including data on :
a charm search, η^0 Production at Large
| t | and H^0 Meson Production)"

by Yu. D. Prokoshkin / Institute of High-
Energy Physics, Serpukhov

FRIDAY 26 NOVEMBER

SEMINAIRE PS

à 10h30 - Grande salle de Conférence PS

"Rapport sur quelques sujets techniques
abordés au VIIème Symposium International
sur les Décharges et l'Isolément Electrique
dans le Vide et lors de visites de labora-
toires en URSS en août 1976"

Résumé :

- Les isolateurs HT dans le Vide, par C. Germain
- Tubes pour accélérateurs électrostatiques à réalisations ou projets récents, par J. Huguenin
- Séparateurs électrostatiques, par L. Danloy
- Traitement de l'eau de refroidissement et problèmes de corrosion, par L. Danloy.

CERN COMPUTER SEMINAR

at 14.00 hrs - Council Chamber

"High Performance Graphics Using
Distributed Processing"

by Prof. A. Van Dam / Brown University,
Providence, USA

MONDAY 29 NOVEMBER

EP SEMINAR

at 11.00 hrs - EF Conference Room
(Lab.13.2.005)

"ABBCCHILVW Collaboration - New Results
on Direct Pion Production, etc. The
History and Sociology of Collaborations"

by Douglas R.O. Morrison / CERN

Abstract : Results are presented on inclusive resonance production in hadron reactions at 16 GeV/c. It is shown that most of the pions produced are the decay products of resonances and that the pions produced directly are only $\sim 10\%$ of all pions. Related results and the consequence for FNAL and ISR energies are discussed. Comments are made on the history of this collaboration and on the sociology of collaborations in general.

CERN NUCLEAR PHYSICS SEMINAR

at 16.00 hrs - Theory Conference Room

"The Absorption of Pions in ^3He "
by F. Roig / Valencia University

Abstract : A brief survey of the pion absorption models is made. A summary of the calculations of the capture rates in ^3He is given, together with updated experimental information. Finally we make some comments about possible improvements on the existing theory and present some preliminary work.

TUESDAY 30 NOVEMBER

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

"Probable Example of the Decay of a Charmed
Particle Produced in a High Energy Neutrino
Interaction"

by M. Conversi / University of Rome and
CERN

THURSDAY 2 DECEMBER

CERN COLLOQUIUM

at 16.30 hrs - Auditorium

"Open Problems in Nuclear Energy"

by J. Rossel / University of Neuchâtel

Abstract : The safe and successful development of nuclear energy production depends on a number of problems which are not all satisfactorily solved.

Three types of questions will be presented and tentatively discussed : technical problems related with long range effects of emissions in the fuel cycle, estimates of accidents and disposal of radioactive wastes, economical problems of an expanding nuclear industry and political and social problems connected with nuclear energy policy.

TRAINING AND EDUCATION ENSEIGNEMENT

30 NOVEMBER 1(*) 2, 3 DECEMBER

ACADEMIC TRAINING

at 11.00 hrs - Auditorium

"Structure of the hadrons"

by J. Weyers / University of Louvain

Abstract : And now we are four ... at least ! Hadron spectroscopy will be reviewed in terms of SU(4) and SU(8). Weak and electromagnetic transitions among hadrons will be discussed with special emphasis on 'unsolved problems' in unified gauge theories, e.g. the $\Delta I = \frac{1}{2}$ rule, second class currents, electromagnetic mass differences ...

(*) Dec. 1st: Council Chamber

JEUDI 25 NOVEMBRE

ENSEIGNEMENT GENERAL

de 13h00 à 13h30 - Amphithéâtre

"Science pour Tous", par R. Carreras

Programme :

1. En bref
 - a. Vu, lu et entendu.
 - b. Le Principe d'Equivalence, nouveau test, nouvelle confirmation.
 - c. L'effet photo-voltaïque : perspectives.
2. Calculs

Un expert estime qu'une certaine catastrophe a une chance sur un milliard de se produire. On suppose qu'il a lui-même une chance sur 10 de commettre une erreur qui, si elle était corrigée, aurait entraîné, pour la catastrophe, une probabilité de 1 sur 100.000 (au lieu de 1 sur 1 milliard).

 - a) Quelle est la meilleure estimation de la probabilité de la catastrophe que nous pouvons faire au vu de ces données?
 - b) Montrer que, quelle que soit la compétence de cet expert, ce qu'il dit n'a pratiquement aucun intérêt.
3. Thème principal (pour détails, voir affiche)

"XENON-133, Cerveau et Conscience"

INFORMATIONS

GENERALES

GENERAL INFORMATION

FRIDAY 26 NOVEMBER

HIGH-ENERGY PHYSICS FOR THE OTHERS

at 16.00 hrs - Auditorium

"On how to create the new forms of matter"

by L. Van Hove (2nd lecture)

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 anti-particles (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 are discussed at a level intended for non-specialists. Attendance of the 1st lecture is not a prerequisite for following the 2nd one.

AFFICHAGE AU CERN

La procédure d'affichage au CERN a été réorganisée. Dorénavant, des cartes de couleurs différentes seront à disposition dans les secrétariats de divisions, à savoir :

- de couleur bleue pour tout ce qui concerne les ventes (voitures, frigos, skis, etc.),
- de couleur verte pour les activités sociales (baby sitting, offre d'emploi comme aide de maison, offre ou recherche d'un "lift", etc.),
- de couleur jaune pour tout ce qui concerne le logement (offres pour appartements, villas, terrains, etc.).

La carte destinée aux panneaux d'affichage du Bâtiment Administratif devra être adressée au bureau de M. B.W. Gamble; l'intéressé affichera lui-même les autres exemplaires sur les autres panneaux de son choix, après que la carte ait été dûment datée. L'affichage est valable 10 jours à dater du jour de l'émission.

B.W. Gamble / Division HS

DANGERS POUR LES NETTOYEURS

Rappel

Conformément au code de sécurité CERN, et dans le but d'éviter des accidents de personnes, ou des dégâts éventuels causés aux appareils divers, nous demandons à tous les fonctionnaires responsables de labos ou de zones dans lesquels fonctionnent des appareils délicats, ou qui sont en cours d'expériences, de bien vouloir indiquer clairement sur les portes (à l'intention du Service nettoyage) s'il y a, et quels sont les dangers soit de haute tension, de radioactivité, ou si en raison d'une expérience en cours, le nettoyeur ne doit pas pénétrer dans le local.

Pour indiquer que le local ou la zone sont à nouveau libres, il suffira d'enlever le panneau.

Service de Nettoyage SB