

COMMUNICATIONS OFFICIELLES

Les membres du personnel sont censés avoir pris connaissance des communications officielles ci-après.

STAFF INSURANCE SCHEME

At its 110th meeting, on December 21st, the Management Board of the Staff Insurance Scheme considered a report from the polling officers Mr. F. Iselin and Mr. R. Cateau on the conduct of the elections for 3 members and their alternate members of the Management Board which is to take office on January 1st, 1977.

Five formal objections to the results of the elections had been received within the delay (20 December) foreseen in the election rules. All referred to an announcement made in the Weekly Bulletin by the Staff Association, and which the objectors considered may have given an unfair advantage to some of the candidates.

The Management Board recognized that this point fell outside the election rules.

The Management Board accepted the polling officers' report that the elections had been carried out strictly in accordance with the published rules, and concluded unanimously that the results were valid.

Four letters of comment were considered. In general, they requested that the election rules should be reviewed to ensure that all candidates have equal opportunities for publicity. The Management Board will give further consideration to this point.

CAISSE D'ASSURANCES

A sa 110^{ème} réunion, le 21 décembre, le Comité de Gestion de la Caisse d'Assurances du CERN a examiné le rapport des scrutateurs, MM. F. Iselin et R. Cateau, sur le déroulement des élections de 3 membres et de leurs suppléants au Comité de Gestion qui doit entrer en fonction le 1^{er} janvier 1977.

Le résultat des élections a fait l'objet de cinq contestations officielles avant la date limite (20 décembre) prévue par les règles du scrutin. Toutes avaient trait à une communication, publiée par l'Association du Personnel dans le Bulletin hebdomadaire, que les contestants estimaient de nature à avantager indûment certains des candidats.

Le Comité de Gestion a considéré que ce point ne relevait pas des règles du scrutin.

Le Comité de Gestion a accepté le rapport des scrutateurs, selon lequel les élections se sont déroulées en stricte conformité avec les règles publiées, et conclu à l'unanimité à la validité des résultats.

Quatre lettres de commentaires ont été examinées. Elles demandent d'une manière générale une révision des règles du scrutin visant à garantir à tous les candidats des possibilités identiques de publicité. Le Comité de Gestion se penchera à nouveau sur cette question.

A TOUS LES MEMBRES SUISSES DU PERSONNEL : SERVICE MILITAIRE

Pour éviter des perturbations dans l'organisation du travail, dues à des absences pour service militaire non-annoncées au préalable,

OFFICIAL NEWS

Members of the personnel shall be deemed to have taken note of the news under this heading

il est indispensable que chaque fonctionnaire suisse fasse connaître dès maintenant à son Chef de Service ou à son Chef de Division, la date à laquelle il sera appelé au service en 1977.

Un avis officiel "1977 Mise sur pied - cours de répétition, de complément et du landsturm" est affiché dans toutes les communes. Il est également affiché pendant 10 jours dans le hall du bâtiment de l'administration (Bât.60) au tableau d'affichage.

Dans des circonstances tout à fait exceptionnelles, le CERN peut intervenir auprès des autorités militaires pour présenter une requête de sursis. Toutefois, dans de tels cas, une demande dûment motivée devrait être soumise deux mois avant la date d'entrée au service.

Service des Relations Extérieures/
Division DG

SEMINARS SEMINAIRES

MONDAY 10 JANUARY

EP SEMINAR

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

"Electron Production in a Track Sensitive Target Experiment with a 4 GeV/c π^+ Beam"

by Jon Guy / Rutherford

ISR SEMINAR

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

"Design, Present Status, and Future Projects of KEK"

by T. Suzuki / ISR Visitor from KEK

CERN NUCLEAR PHYSICS SEMINAR

at 16.00 hrs - Theory Conference Room

"Perturbed Angular Correlation : Nuclei as Probes in Solids"

by H. Haas / CERN

Abstract : An introduction to perturbed γ - γ angular correlation (PAC) as a method to study the interaction of excited nuclear states with internal fields in solids will be given. In the past few years nuclear quadrupole moments and electric field gradients in non-cubic metals have been investigated extensively. Recent applications of this method to the study of defects in cubic metals will be presented.

TUESDAY 11 JANUARY

CERN COLLOQUIUM

at 16.30 hrs - Auditorium

"Nuclear Energy and the Production of Electricity"

by A. Colomb / S.A. l'Energie de l'Ouest Suisse, Lausanne

Abstract : As a result of the oil rarification foreseeable in a relatively near future, electricity - hopefully with other energy carriers like hydrogen for example - will have to take a more important share of the energy distribution sector. Presently, only coal and uranium are usable primary energy substitutes for oil for the production of electricity. Within the frame of present and predicted future global energy production and consumption, the political, economical, industrial and technical questions raised by the integration of nuclear power in electrical systems will be examined.

WEDNESDAY 12 JANUARY

ISR COMMITTEE

- at 09.30 hrs - Council Chamber

Open Session

1. Information from the Research Director-General, L. Van Hove.
2. Status report by H. Jensen on Experiment R410/413, High Transverse Momentum and Central Correlations at the Split Field Magnet; Liverpool-MIT-Orsay-Rutherford-Scandinavian Collaboration.
3. Status report by M. Banner on Experiment R702, Search for Charmed Particles and Electron Pairs at the ISR; CERN-Saclay-Zurich Collaboration.
4. Status report by C. Kourkouvelis on Experiment R806, Study of Large Transverse Momentum Phenomena; BNL-CERN-Syracuse-Yale Collaboration.

- at 13.30 hrs - Conference Room, 6th Floor - Administration Building

Closed Session.

THURSDAY 13 JANUARY

CERN COLLOQUIUM

at 16.30 hrs - Auditorium

"Superaligned Nuclear β -decay : A Nuclear View of the Z Vector Boson and Symmetry Restoration in High Electromagnetic Fields"

by J.C. Hardy / CERN and AECL, Chalk River, Canada

Abstract : The intensity of superallowed β -transitions between 0^+ ($T=1$) nuclear analogue states reflects the magnitude of the vector coupling constant in nuclei. Fifteen such transitions have been studied and the intensities of many are now known to a fraction of a percent. After application of small electromagnetic corrections, all are concordant with one another,

thus providing an exacting experimental confirmation of a prediction of CVC. The extracted value of the coupling constant, when compared with muon and hyperon β -decays, yields limiting conditions on the mass of the neutral vector boson. Furthermore, the results can be combined with data on the decay of $T=\frac{1}{2}$ nuclear states to suggest that under certain conditions the electromagnetic fields in nuclei are high enough to 'turn off' the Cabibbo angle - as proposed by Salam and Strathdee - and restore strangeness conservation in weak interactions.

FRIDAY 14 JANUARY

SEMINAIRE PS

à 10h30 - Grande salle de conférence PS

"Le Transfert au PS du Faisceau dans les Quatre Anneaux du Booster"

par J.-P. Delahaye

Résumé : Rappel des raisons ayant conduit à la construction des quatre anneaux superposés du Booster. Principe et réalisation de la recombinaison des quatre faisceaux (mode 20 et 10 paquets). Dernière mesures effectuées dans la ligne 800 MeV.

MONDAY 17 JANUARY

EP SEMINAR

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

"Search for Non Strange Exotic Mesons in the Omega Spectrometer"

by J. Six / Lab. de l'Accélérateur Linéaire, Orsay

Abstract : Negative results on backward production, via baryon exchange of exotic non strange mesons are presented. The reactions $\pi^-p \rightarrow p$ (forward) X^- and $\pi^-n \rightarrow p$ (forward) X^- have been studied with a 12 GeV/c π^- beam in the Omega spectrometer. No resonant peak in $X \rightarrow pp\pi^-$, $pp\pi^-\pi^-$, $pp\pi^-\pi^0$, $\pi^+\pi^-\pi^-\pi^-$, $\pi^+\pi^-\pi^-\pi^0$, has been seen. Upper limits on cross-section for exotic mesons production $X \rightarrow 4\pi$, $NN\pi$, $NN\pi\pi$, has been found much lower than the ρ^- backward production cross-section in the $\pi^-p \rightarrow p \rho^-$ reaction. This result is in contradiction with the predictions of the two component duality model.

CERN NUCLEAR PHYSICS SEMINAR

at 16.00 hrs - Theory Conference Room

"Spin Precession Spectroscopy with Polarized Muons Implanted Into Metals"

by L.O. Norlin / Uppsala - CERN

Abstract : The so called muon spin precession technique (μ^+ SR) will be described briefly. Application of the method to investigation of metals will be discussed. Emphasis will be put on what can be learnt about magnetic properties and diffusion of light interstitials. At CERN μ^+ SR experiments applied to study of metals and chemistry of free radicals are in progress.