

REUNION D'INFORMATION

Nous invitons l'ensemble du personnel du CERN à une réunion d'information générale qui se tiendra dans l'Amphithéâtre le lundi 22 janvier 1979 à 16 heures.

A cette réunion, nous passerons en revue les activités du CERN et présenterons les perspectives d'avenir pour le Laboratoire. La traduction simultanée en français et en anglais sera assurée dans l'Amphithéâtre; la réunion sera retransmise sur circuit fermé de télévision, sans traduction, dans la Salle du Conseil et les amphithéâtres des ISR et du SPS

J.B. Adams - Directeur général Exécutif L. Van Hove - Directeur général de la Recherche

EXAMEN DES CAS D'EXPIRATION DE CONTRATS

Les membres du personnel titulaires et les surnuméraires dont les contrats expirent au cours de 1979 et à qui le CERN n'a pas offert d'autre contrat peuvent demander que leur cas soit examiné en adressant une demande écrite au Chef de la Division PE. Pour ceux dont le cas a été examiné en 1978, il n'y a pas lieu de renouveler la demande. Les intéressés qui souhaitent que l'Association du Personnel participe à l'examen doivent le préciser dans leur demande écrite.

La procédure appliquée est la même que celle des années précédentes (voir la rubrique Communications Officielles du Bulletin Hebdomadaire n° 50/77); la Division PE répondra à chaque demande et informera les intéressés des mesures qui seront prises.

ROUTE DE MEYRIN - ALTERATIONS

Following a decision of the Executive Board, automatic barriers will be installed in early January at the western entrance and exit of the route de Meyrin carpark, so that traffic can be regulated from the Site Security control post. The traffic lights at this entrance will also be altered to improve traffic flow. Inconvenience to users will be kept to a minimum but you are urged to drive with care.

HS and SB Divisions

DEPUTY DIVISION LEADERS 1979

On proposal of the Division Leaders, the Directors-General have appointed the following members of personnel as Deputy Division Leaders for 1979 :

EP Division	D.C. Cundy
EF Division	H.-P. Reinhard
DD Division	D. Lord
TH Division	J. Ellis
PS Division	G. Plass (general) P.H. Standley (SC)
ISR Division	L. Resegotti
SPS Division	B. de Raad
HS Division	K. Goebel
FI Division	M. Lazanski
SB Division	R. Magny
PE Division	F. Niemann

INFORMATION MEETING

We would like to invite all CERN personnel to a general information meeting which will be held in the Auditorium on Monday 22 January 1979 at 16.00 hours.

We will present at the meeting a review of the work of CERN and the future outlook of the Laboratory. Simultaneous translation will be available in French and English in the Auditorium and closed-circuit television transmission of the meeting, without translation, will be available in the Council Chamber, the ISR and the SPS Auditoriums.

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

REVIEW OF CASES OF CONTRACT EXPIRATION

Staff members whose contracts expire during the course of 1979 and who have not been offered another contract by CERN may ask that their case be reviewed by addressing a written request to the Leader of PE Division. People whose cases of non-renewal of contract were reviewed in 1978 should not apply again. If the staff member wishes the participation of the Staff Association in the review of his case this should be stated in the written request.

The procedure that will be followed will be the same as in previous years (see Official News in Weekly Bulletin n° 50/77) and the PE Division will reply to each request and notify the person of the steps that will be taken.

SEMINARS SEMINAIRES

MONDAY 8 JANUARY

CERN NUCLEAR PHYSICS SEMINAR

at 11.00 hrs - TH Conference Room

"Reaction mechanisms and production of exotic nuclei using 200 MeV/nucleon ^{40}Ar "

by G.D. Westfall/Lawrence Berkeley Laboratory

Abstract : Recent experiments using the fragmentation of ^{40}Ar at 200 MeV/nucleon have proved to be a powerful new tool for the investigation of both the dynamics of nuclear interactions at high energies and the limits of nuclear stability. Included in the measurements were energy spectra, angular distributions and isotope production cross sections resulting from the fragmentation of ^{40}Ar at 213 MeV/nucleon on C and Th targets using an eight element Si(Li) detector telescope. These cross sections are compared to the results of an abrasion-ablation model. The interesting effects of correlations in the nuclear ground can be studied within the framework of this model. The cross sections at 200 MeV/nucleon are compared to recent results at low energy ($\sim 5\text{ MeV/nucleon}$). Combining the telescope with a magnetic spectrometer to give two, independent mass measurements, the yields of very neutron-rich nuclei produced in the fragmentation of ^{40}Ar at 205 MeV/nucleon were measured down to the nanobarn level. This measurement reaches the presently known limits of stability in this region and shows that two new nuclides, Ne and ^{26}Al , exist. Future experiments with similar beams could positively establish the limits for light neutron-rich nuclei.

TUESDAY 9 JANUARY

INTERSECTING STORAGE RINGS COMMITTEE

OPEN_SESSION

at 9.30 hrs - Council Chamber

Antiproton-proton collisions and future use of the split field magnet detector at the ISR

1. The upgraded split field magnet detector, P.G. Innocenti.
2. Report from experiment R 415, study of events with large-angle electrons in the SFM, T, Massam.
3. Report from experiment R 416, study of rare events at the split field magnet, H.D. Wahl.
4. Study of ap interactions in the SFM, M.A. Faessler.
5. Physics with antiprotons at the ISR, M. Jacob.
6. Expected performance of the ISR with anti-protons, P. Bryant.
7. pp and pp physics at the SFM, E.G. Fischer.
8. Physics with pp-interactions in the axial field spectrometer, M.G. Albrow.
9. Measurements of pp total cross-section, J.C. Sens, T. Del Prête.
10. Correlation studies with pp, P. Schlein.

Please note : The conclusions of the second ISR Workshop on pp interactions at ISR energies are summarized in the documents ISR WORKSHOP/2-9 and ISR WORKSHOP/2-16, copies are available from C. Redman/ISR.

CERN COLLOQUIUM

at 16.30 hrs - Auditorium *

"Nuclear magnetic ordering and neutrons"

by A. Abragam/C.E.A., Gif-sur-Yvette

Abstract : The principle and methods for producing and observing nuclear magnetic ordering at temperatures in the microkelvin range will be described with special emphasis on the recent observation of long range nuclear magnetic order by neutron diffraction.

(*) Note : Those attending this seminar are cordially invited to the Salle des Pas Perdus (just outside the Council Chamber) at 16.00 hrs to meet the speaker and for informal discussions. Tea and coffee will be provided.

WEDNESDAY 10 JANUARY

INTERSECTING STORAGE RINGS COMMITTEE

OPEN_SESSION

at 9.30 hrs - Council Chamber

1. Information from the Research Director-General, L. Van Hove.
2. Status report from experiment R 108, study of high transverse momentum phenomena, S.H. Pordes.
3. Status report from experiment R 209, high mass muon pairs and associated hadrons, spokesmen P.L. Braccini, S.C.C. Ting.

4. Status report from experiment R 806, study of large transverse momentum phenomena, D. Lissauer.
5. Status report from experiment R 607, correlations between high longitudinal momentum mesons produced in pp collisions at the ISR, Spokesman J.-C. Sens.

CLOSED_SESSION

at 14.30 hrs - 6th floor Conference Room of the Administration Building

THEORETICAL SEMINAR

at 14.00 hrs - TH Conference Room

"Quantum gravity - a review"

by G. Gibbons/Cambridge University

NB. the speaker will also give specialized lectures at 11.00 hrs on 11, 12 January, discussing gravitational instantons and the gravitational vacuum.

THURSDAY 11 JANUARY

CERN ENERGY SEMINAR - General Level

à 16h30 - amphitheatre *

"Valorisation des rejets thermiques basse énergie en agriculture et pisciculture"

par M. Dumas/Institut de Protection et de Sécurité Nucléaire, Pierrelatte

Résumé : Dans le contexte économique actuel, la récupération des calories perdues par les installations industrielles est devenue une nécessité économique et écologique. Cette énergie dissipée se retrouvant généralement sous forme de rejet à basse température, donc à faible potentiel économique, les applications devront faire appel à des techniques simples et peu coûteuses. Les utilisations agricoles constituent une solution économique rentable. Depuis une dizaine d'années le COMMISSARIAT L'ENERGIE ATOMIQUE (C.E.A.) a développé des recherches dans les domaines :

- du chauffage des cultures sous abri
- du chauffage direct des sols
- de l'irrigation chaude
- de la pisciculture.

Des exploitations industrielles de ce type sont déjà opérationnelles en horticulture maraîchère et florale et pour la pisciculture. De nombreuses réalisations économiques valables sont possibles, cependant elles nécessitent une étude préalable détaillée de chaque cas particulier.

(*) Note : Les personnes qui ont l'intention de suivre ce séminaire sont cordialement invitées à la Salle des Pas Perdus (face à la Salle du Conseil à 16h00 pour rencontrer et discuter avec l'orateur. Thé et café seront servis.

MONDAY 15 JANUARY

CERN NUCLEAR PHYSICS SEMINAR

at 11.00 hrs - TH Conference Room

"Shedding (laser) light on exotic nuclei"

by R. Klapisch/Laboratoire René Bernas, Orsay

TUESDAY 16 JANUARY

SPS EXPERIMENTS COMMITTEE

OPEN_SESSION

at 9.00 hrs - Auditorium

CLOSED_SESSION

at 11.00 hrs - rooms A + C + D,
1st floor, Administration Building

CERN COLLOQUIUM

at 16.30 hrs - Auditorium

"Nuclear fusion reactions in dense
stellar matter"

by B. Jancovici/Orsay

WEDNESDAY 17 JANUARY

PROTON SYNCHROTRON AND SYNCHRO-CYCLOTRON COMMITTEE

OPEN_SESSION

at 9.00 hrs - Council Chamber

CLOSED_SESSION

at 14.30 hrs - 6th floor Conference Room

THURSDAY 18 JANUARY

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

"The new astronomical evidence for the
existence of gravitational waves"

by G. Cocconi/CERN

TRAINING AND *EDUCATION* *ENSEIGNEMENT*

ACADEMIC TRAINING

1978-1979 programme - 2nd term

January 17, 18, 23, 24 & 25

QCD for those who want to learn it
seriously - by C. Sachradja/CERN

February 6, 7 & 8

Experimental review of high energy neutrino
physics - by R. Turlay/CERN - Saclay

February 21, 22 & 23

Some aspects of the microstructure and
thermal stability of dispersion alloys -
by P. Cotterill/University of Surrey

March 7 & 9

Physics in Gottingen and in Rome in the
Thirties - by G.C. Wick/University of
Columbia

March 13, 14, 15 & 16

On practical non-parametric statistical
methods - by B. Schorr/CERN

March 5

Gravitational waves and their interactions
with matter - by L. Radicati/Scuola Normale
Superiore, Pisa

March 8

Astronomical sources of gravitational
waves - by L. Radicati/Scuola Normale
Superiore, Pisa

March 12

Electromagnetic detectors for gravita-
tional waves - by E. Picasso/CERN

March 21

Resonant and aperiodic detectors for gra-
vitational waves - by E. Amaldi/University
of Rome

March 22

The theory and operation of mechanical
antennae of gravitational waves - by
G. Pizzella/University of Rome

*The lectures take place at 11.00 hrs in the
Auditorium. Additional information (abstract,
etc.) will be announced in the CERN Bulletin
and on noticeboards about two weeks before each
series of lectures.*

ENSEIGNEMENT GENERAL

Programme 1978-1979 - 2ème trimestre

Janvier : 18 & 25

Février : 1, 8, 15 & 22

Mars : 1, 8, 15, 22 & 29

Avril : 5

de 13h00 à 13h30 - Amphithéâtre

"Science pour tous"

par R. Carreras/CERN

*Cycle d'exposés destinés plus particulièrement
aux personnes n'ayant pas de formation scienti-
fique.*