

COMMUNICATIONS OFFICIELLES

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

OFFICIAL NEWS

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

SAFETY INSTRUCTION No. 6 (March 1978)

Correction to the English text, paragraph 5.1 :

For Reactivation read Deactivation

Many thanks to the numerous readers who pointed out this typing error. Whilst regretting the error, HS/DA Group is encouraged by the knowledge that so many people read Safety Instructions.

SEMINARS SEMINAIRES

MONDAY 8 MAY

EP SEMINAR

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

"The location of neutrino interactions in photographic emulsion using hybrid techniques and the search for short-lived secondaries"

by E. Burhop / CERN-University College

Abstract : Current experiments, in progress or planned, using emulsion-hybrid techniques to locate neutrino interactions in nuclear emulsion will be assessed and the present state of progress discussed.

ISR SEMINAR

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

"Insertion design for electron-proton collisions"

by A.M. Hutton

Abstract : The physics potential for an electron-proton facility is primarily determined by the characteristics of the interaction region. Examples will be drawn from several European proposals to illustrate the techniques used to optimise the insertion for the detectors.

TUESDAY 9 MAY

TECHNICAL PRESENTATIONS

9.00 - 16.00 hrs

Stores Conference Room - Bldg 73 (H/G-1 on CERN plan), No 2-027

- * FRANCO CORRADI (I) will exhibit : From LEICO INDUSTR. INC. (USA) - High purity metals from aluminium to zirconium (99,9999%) in various forms for basic research, physical and chemical institutes - Platinum resistance temperature detectors, miniature and special models, 4,2 to 800° C...

From CONTROL PRODUCT CORP. (USA) - Thermocouple and cable...

From SIGMUND COHN CORP. (USA) - High purity precious metals thermocouple wire... precious metals and alloys... teflon quad-coated precious metal wires...

From FRANCO CORRADI (I) - Microwelding machine, electrode sharpener, temperature sensors, transmitters and indicators...

From EURATOM (ISPRA/I) - Eurotronik, continuous neutron flux detector...

From EIR (CH) - Thermocouple to users' specifications...

- * LEEDS & NORTHRUP ITALIANA (LNI), (I), will exhibit and demonstrate a wide range in instrumentation : precision digital multimeters, resistors decade boxes, potentiometers for bench..., wheatstone and kelvin bridge... pH meters, equipment for checking thermal sensors, analytical instruments, potentiometric recorders, controllers, optical pyrometers, digital monitors, alarm annunciators.

Languages : English, French, German, Italian

Information : Mr. M. Diraison / FI / 4585

10h.00 - 12h.00 / 13h.30 - 16h.00

Salle de Conférence EP, Bât. 28 (K-4 sur plan CERN), 2-014

NUMELEC SA (CH), représentant NUMELEC SEIN (F) propose la démonstration d'un analyseur multi-canal (4096 canaux) conçu autour d'un microprocesseur. L'originalité réside dans le tableau se trouvant sous l'histogramme qui indique à l'utilisateur les touches qu'il peut activer. Dans cette partie alphanumérique, on trouve aussi les données sous lesquelles l'acquisition a lieu et les résultats demandés. L'appareil, modulaire, à clavier de commande très simplifié, comprend un codeur analogique digital, il analyse des signaux analogiques de 0 à 5 V. Applications diverses dont : radioprotection, radiochimie, physique nucléaire, spectrométrie (X, gamma, alpha...), physique analytique.

Languages : anglais, français

Renseignements : M. Diraison / FI / 4585

SPECIAL DD SEMINAR

10.00 - 12.00 hrs - general presentation
14.00 - 17.00 hrs - technical presentation

DD Amphitheatre - Bldg 31, 3rd floor

"Burroughs Large Systems, Scientific Processor and Attached Fortran Processor"

by J. Austin / Burroughs

Abstract : The Burroughs Scientific Processor (BSP) is designed to provide very high-speed execution of scientific algorithms. The BSP is capable of performing fifty million floating point operations per second. This speed is achieved primarily through the utilization of 16 arithmetic units that operate in parallel. Other features that contribute to the high computation rate are : - conflict-free memory that allows access to vectors of arbitrary length and skip distance at full bandwidth - a pipeline that allows overlapping of array and memory operations - overlapped array and scalar operations - charge coupled device auxiliary memory - in-line processing of input and output. The BSP is intended to be used in conjunction with a large general purpose Burroughs computing system such as a B 7800 or B 7700. This combination forms a complete computing facility that is easy to use and that services the entire spectrum of computing activities.

CERN PARTICLE PHYSICS SEMINAR

at 16.00 hrs - Auditorium(*)

"Backward production of axial-vector mesons in K p interactions at 4.2 GeV/c"

by P. Gavillet / CERN

Abstract : Evidence for the production by baryon exchange of the B (1228), A₁ (1040), C(Q₁) (1280) and D (1885) mesons will be presented. The methods used to determine their masses, widths, spin-parities as well as total cross-sections and differential cross-sections will be described in detail. The exchange mechanisms will be discussed and shown to provide a simple but consistent picture of the observed production of these mesons. The results are part of the continuing analysis by an Amsterdam-CERN-Nijmegen-Oxford collaboration of the large statistics (133 events/ μ b) experiment studying 4.2 GeV/c K p interactions observed in the 2 m bubble chamber at the PS.

(*) Note : Those attending this seminar are cordially invited to the Salle des Pas Perdus (just outside the Council Chamber) at 15.30 hrs to meet the speaker and for informal discussion. Tea and coffee will be provided.

WEDNESDAY 10 MAY

PRESENTATION TECHNIQUE

de 9h.00 à 11h.30 - Salle de Conférence EP (Bât 21 (E-4 sur plan CERN) No 1-o67

La Maison ZETTLER (CH) expose son programme de relais miniatures, temporisés, rotatifs et la gamme de sa nouvelle filiale AEM/GP (F) dans le domaine hermétique.

Langue : français

Renseignements : M. Diraison / FI / 4585

INTERSECTING STORAGE RINGS COMMITTEE

- Open Session

at 9.30 hrs - Council Chamber

1. Information from the Research Director General, L. Van Hove
2. Extension of experiment R 807 by H.B. Jensen
3. The Fermilab Research Programme by M. Jacob

- Closed Session

at 11.30 hrs - DG Conference Room
(6th floor - Administration Building)

THURSDAY 11 MAY

PRESENTATION TECHNIQUE

9h.00 - 16h.00 - Salle de Conférence EF
Bât 17 (F-6 sur plan CERN) No 1-007

A. EGLI (CH), représentant VISION. ENGINEERING Ltd (UK), propose la démonstration du DYNASCOPE, tête de projection qui remplace le binoculaire pour l'inspection optique et les travaux sous grossissement. S'adapte à la plupart des microscopes existants. Appareils stéréoscopiques, avec image tridimensionnelle réelle, à disposition.

Langues : anglais, allemand, français

Renseignements : M. Diraison / FI / 4585

ESO ASTROPHYSICS SEMINAR

at 14.00 hrs - DD Conference Room
(Bldg 31 - 3rd floor)

"Smashing the spheres : the new astronomy from Copernicus to Kepler"

by O. Gingerich / Harvard University

Abstract : Copernicus' cosmology was right for wrong reasons (by modern standards) and while Brahe's geocentric cosmology seemed a monumental step backwards, it was actually an important advance in physics.

CERN COLLOQUIUM

at 16.00 hrs - Auditorium(*)

"Neural machinery of the brain and the brain-mind problem"

by Sir John Eccles / Lugano

Abstract : The brain-mind problem involves communication across a frontier between the world of physics on the one hand and the world of conscious experience on the other. Thus it represents a great challenge to science, across what Weisskopf calls an external frontier of science. Our knowledge of the structure and functioning of the neural machinery of the cerebral cortex is now at an advanced level, as will be described. On this basis an hypothesis has been developed that has a wide explanatory power in respect to many phenomena of brain-mind interaction.

(*) Note : Those attending this seminar are cordially invited to the Salle des Pas Perdus (just outside the Council Chamber) at 15.30 hrs to meet the speaker and for informal discussion. Tea and coffee will be provided.

FRIDAY 12 MAY

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POUR INFORMATION / FOR INFORMATION

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à 10h.30 - Amphithéâtre du LAPP

Laboratoire d'Annecy-le-Vieux de Physique des
Particules - Chemin de Bellevue, Annecy-le-
Vieux, (Haute-Savoie, France)

"La physique à Fermilab"

par M. Jacob / CERN

*Résumé : Les thèmes principaux de recherche à
Fermilab seront présentés. Chaque fois que
possible un parallèle sera établi entre les
domaines de recherche à Fermilab et au CERN.*

Renseignements complémentaires auprès de
H. Pessard/CERN-EP, Tél. 6526 ou Laboratoire
d'Annecy-le-Vieux, Tél. (023) 23.32.45, int. 327.

TUESDAY 16 MAY

CERN PARTICLE PHYSICS SEMINAR

at 16.00 hrs - Auditorium

"Electron-muon coincidences in proton-
proton collisions at the ISR. A result
from the CERN-Saclay-ETH Zürich collabo-
ration"

by G. Tarnopolsky / CERN

THURSDAY 18 MAY

CERN PARTICLE PHYSICS SEMINAR

at 16.00 hrs - Auditorium

"Report of the $\bar{p}p$ workshop in Berkeley"

By C. Rubbia and S. Van der Meer / CERN

TRAINING AND **EDUCATION** **ENSEIGNEMENT**

TUESDAY 9, WEDNESDAY 10, THURSDAY 11,
FRIDAY 12 MAY

ACADEMIC TRAINING

at 11.00 hrs - Auditorium

"Stochastic feedback systems in storage
rings"

by L. Faltin / Eumig Research Laboratory,
Vienna

(for abstract, see notices)

TUESDAY 16, THURSDAY 18, TUESDAY 23,
THURSDAY 25 MAY

ACADEMIC TRAINING

at 11.00 hrs - Auditorium

"Baryonium states and their interpretation
as multiquark systems"

by L. Montanet (Lectures 1 and 2)
and G. Veneziano (Lectures 3 and 4)

*Abstract : The experimental situation of reso-
nances or bound states mainly coupled to baryon-
antibaryon will be reviewed. The interpretation
of these data in terms of multiquark composites
will be discussed and compared with that of other
theoretical schemes.*

JEUDI 11 MAI

ENSEIGNEMENT GENERAL

de 13h00 à 13h30 - Amphithéâtre

"Science pour Tous"

par R. Carreras

INFORMATIONS **GENERALES** **GENERAL INFORMATION**

CATALOGUE POINCONS

Le catalogue POINCONS, français et anglais,
est maintenant disponible au Secrétariat de la
Section Technique des Magasins (Tél. 4586)

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J'aimerais recevoir ...exemplaire(s) du Catalogue
Poinçons

Nom :

Division :

(A retourner au Secrétariat de la Section
Technique des Magasins)

PUNCHES CATALOGUE

The "Punches" Catalogue, french and english
edition, is now available at the Secretariat of
the Stores Technical Section (Tel. 4586).

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I would like to receive...copy(ies) of the
"Punches" Catalogue

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(to return to the Secretariat of the Stores
Technical Section)