

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

MONDAY 23 JUNE

ACADEMIC TRAINING
(Tel. 2844)

at 11.00 hrs - Auditorium

"Physics with Electron-Positron Colliding Beams"

by B. Wiik / DESY, Hamburg
(Lecture 4)

JEUDI 26 JUIN

ENSEIGNEMENT GENERAL
(Tél. 2844)

13h00/13h30 - Amphithéâtre

"Science pour Tous"

par R. Carreras

(Prochain exposé : jeudi 2 octobre)

THURSDAY 26 AND FRIDAY 27 JUNE

ACADEMIC TRAINING
(Tel. 2844)

at 11.00 hrs - Auditorium

"Dimuon Production in Hadron Hadron Collisions at SPS"

by A. Micheleni / CERN
(Lectures 1 and 2)

Abstract : The NA3 experiment has recently completed an extensive study of dimuon production at different hadron beam energies. Results will be presented on : a) production of resonances; b) study of the Drell-Yan continuum; c) determination of the structure functions of various hadrons.

SEMINARS **SEMINAIRES**

MONDAY 23 JUNE

ISR SEMINAR

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

"PROFI, a Computer Program for 3-Dimensional Non-Linear Magnetostatic Field Calculations"

by W. Müller / Darmstadt

EP SEMINAR

at 17.00 hrs - Auditorium

"A Demonstration of Holographic Imaging of Bubble Chamber Tracks"

by M. Dykes / CERN

Abstract : A recent test using the small heavy liquid bubble chamber BIBC in an SPS test beam produced good quality holographic images of the tracks of charged particles. The resolved bubble size was better than 8 μ . A demonstration videotape will be presented.

TUESDAY 24 JUNE

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium (*)

"Ultra Heavy Cosmic Rays"

by P. Fowler / Bristol Univ.

Abstract : The Ariel 6 experiment provides for the first time data of reasonable statistical weight over the entire band of ultra heavy cosmic ray nuclei with Z greater than or equal to 32. Comparison of the measured abundances and our estimates of abundances at the cosmic ray source are made with solar system material. There are striking similarities and equally striking divergences. The production of nuclides of the solar system and of the cosmic rays both appear to require a number of processes of nucleosynthesis. However, it seems clear that the mix of processes involved has to be substantially different for the two types of material, and the cosmic ray source appears rich in R-process material that is believed to be synthesised in supernova explosions.

(*) 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.

PRESENTATION TECHNIQUE

10h00/16h00 - Salle 1-007, Bât.17
(D4 CERN Meyrin)

SCHLUMBERGER INSTRUMENTATION SA (CH), représentant SCHLUMBERGER (F), propose en démonstration les appareils suivants en liaison avec une calculatrice HP 9825, via le bus GP-IB (IEEE 488) : Analyseur logique 7600 : 16 ou 32 voies de mesure, horloge interne 100 MHz, 7 modes de visualisation, interface GP-IB + RS232 - Fréquence-mètre à microprocesseur série 2700 : 120, 520 ou 1250 MHz, 3 oscillateurs de référence (à choix), mesures de fréquences, périodes, intervalles de temps, phases, etc.; interface GP-IB - Générateur de fonctions 4416 : 0,1 Hz - 2 MHz, inclus balayage de la fréquence avec interface GP-IB - Système d'acquisition de données - Datastore/Minate : ensemble Solartron comprenant : 1 voltmètre numérique 6½ digits avec 26 fonctions mathématiques + stockage des données (history file) + 1 scrutateur 16 voies (extensible jusqu'à 256) + 1 imprimante travaillant en code RS 232 + interface GP-IB.

Langues : Allemand, anglais, français

Renseignements : M. Diraison / FI / 4585.

MERCREDI 25 JUIN

PRESENTATION TECHNIQUE

9h00/11h00 : Exposé
11h00/12h00 et 14h00/16h30 : Exposition
Salle 2-005, Bât.13
(D2 CERN Meyrin)

MERLIN GERIN (F) propose: un exposé technique sur les nouveaux disjoncteurs COMPACT C125 et C160, et leur variante limiteur (pouvoir de coupure 150 kA) : présentation de la gamme - caractéristiques et fonctions - technique de coupure, limitation - application de la limitation à la conception des schémas BT : technique de filiation - les appareils de télécommande : TC 160; - une exposition de matériel : les disjoncteurs ci-dessus + le C160 REH différentiel pour la protection des personnes, accessoires et auxiliaires communs à tous ces disjoncteurs - appareillage de distribution terminale modulaire (de 1 à 100 A) gamme Multi 9, nouveaux disjoncteurs C32 et leurs auxiliaires, disjoncteurs C80 (nouveau calibre 100A), interrupteurs différentiels jusqu'à 100A, coupe-circuit, petits coffrets de distribution.

Langue : Français

Renseignements : M. Diraison / FI / 4585.

THEORETICAL SEMINAR

at 14.00 hrs - Theory Conference Room
"Power Corrections at Short Distances
in QCD"
by H.D. Politzer / Caltech

THURSDAY 26 JUNE

PS SEMINAR

at 11.00 hrs - PS Auditorium (Bldg.6)
"Raising the Intensity Limit of the
PS Booster"
by G. Nassibian and K. Schindl / CERN

Abstract : The intensity of the PS Booster is limited by space-charge defocusing forces which create a spread in the betatron tunes of up to 0,5. Shaping of the transverse and longitudinal distributions was used for accommodating more particles in a given working area and enabled the Booster to accelerate 2×10^{13} protons per pulse, twice the design intensity. Modifying the r.f. potential well by an experimental harmonic cavity yields beam intensities and densities far beyond the present performance.

ESO ASTROPHYSICS SEMINAR

at 14.00 hrs - DD Auditorium
(Bldg.31 - 3rd floor)
"The Influence of Environment on Galaxy
Populations"
by G. Oemler / ESO

Abstract : What mechanisms are responsible for the observed dependence of galaxy morphology on their local environment?

CERN COLLOQUIUM

at 16.30 hrs - Auditorium (*)

"High Pressure Physics and the Interiors
of Planets"

by A. Cook / Cavendish Laboratory,
Univ. of Cambridge

Abstract : Dense astronomical bodies may be classified by the manner in which the pressure of self-gravitation is supported in hot bodies by radiation pressure (stars) and in cold bodies by intermolecular or interatomic forces (planets), by electron pressure (white dwarfs) or neutron pressure (neutron stars). Planets are more complex than the others because at the pressures within them, details of composition and structure are important. In this lecture three topics of current interest both for planetary structure and the physics of condensed matter at pressures of between 10/11 and 10/12 pa will be discussed - namely phase changes in crystals, the properties of the metallic form of hydrogen and melting at high pressures.

(*) Note : Those attending this colloquium 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.

MONDAY 30 JUNE

BEBC USERS' GROUP MEETING

- at 10.00 hrs - Council Chamber
1. Status Reports : SPSC, SPS, BEBC, IPF, Beams.
 2. Status Report on EPI Data Analysis (L. Gerdyukov).
 3. Nomination of the New BUG Chairman.
 4. Present Situation and Future Prospects for Hadronic Experiments (R. Ross).
 5. Beam Dump, ν , $\bar{\nu}/H_2$, ν , $\bar{\nu}/Neon$ (G. Myatt).
 6. ν , $\bar{\nu}D_2$; Neon WB (P 116) (A. Tenner).
 7. TST(H_2); TST(D_2) (P 48); ν_e or New Beams (W. Venus).

EP SEMINAR

at 17.00 hrs - Auditorium
"Opposite Sign and Same Sign Dimuon
Events Produced in Wide Band Neutrino
and Antineutrino Beams"
by A. Baroncelli / CERN

TUESDAY 1 JULY

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium
"Physics at the ISR - A Review Over the
Last Two Years"
by H.G. Fischer / CERN

WEDNESDAY 2 JULY

(Please note special day)

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

"The Fermilab Flash Chamber Neutrino Detector"

by J.K. Walker / Fermilab

THURSDAY 3 JULY

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

"Elastic Scattering and the Structure of Hadrons : Results from WA7 Experiment"

by M. Macri / Istituto di Fisica, Univ. di Genoa

INSERTIONS DANS LE BULLETIN HEBDOMADAIRE - RAPPEL

Le Bulletin hebdomadaire est l'un des principaux moyens de communication à l'intérieur du CERN. Afin d'aider les utilisateurs du Bulletin, une liste des modalités d'insertion a été établie :

DELAIS

1) Pour publication dans la partie "Bulletin CERN" (1ère partie), veuillez vous adresser à la Section rédactionnelle (Bât. 61 - R.022 - Tél. int. 4106-3586), pour tout texte officiel émanant, soit de la Direction, soit des Secrétariats de Division ou de Groupe - comme les communications de la Direction, avis de l'Administration, activités scientifiques, ou l'Enseignement.

*DATE LIMITE de réception des documents :
mardi 12.00 heures.*

Les articles exceptionnellement longs sont cependant requis avant ce dernier délai. Les enveloppes internes doivent porter la mention : "Bulletin CERN (Mme Blazianu - PU/ED)".

2) Pour publication dans la 2e partie, "Association du Personnel", veuillez vous adresser au Secrétariat de l'Association (Baraque Wilson, No 511). Les différentes rubriques contenues dans cette partie sont publiées sous l'autorité directe de l'Association du Personnel.

*DATE LIMITE de réception des documents :
mardi 12 heures.*

INFORMATIONS

GENERALES

GENERAL INFORMATION

A VENDRE AUX DIVISIONS

- Trois plaques de titane
dimensions : 900 x 800 x 10 mm
(voir M. Duthion, au Bât. 186);
- Un métier à tisser (2,4 x 2,4 m) pour chambres à fils; visible au Bât.25
(voir M. Koulberg, tél. 2327).

Service des Magasins /
Récupération - Tél. 2180

INSERTIONS IN THE WEEKLY BULLETIN - REMINDER

The Weekly Bulletin is one of the major media of communication within CERN. To help those who use the Bulletin, the deadlines for contributions and the standard procedure are as follows:

DEADLINES

1) Items for publication in the "CERN Bulletin" section (1st part) should be sent to the Editorial Section (Building 61 - Room 022 - Tel. 4106-3586). This applies to all official texts from the Management, or from Division or Group Secretariats, such as official announcements by the Management, administrative notices, and information and reports on scientific or training/education matters.

*DEADLINE for reception of contributions:
Tuesday 12 noon*

but earlier in the case of articles of exceptional length. Internal circulation envelopes should be marked: "CERN Bulletin (Mrs Blazianu - PU/ED)".

2) Items for publication in the Staff Association section (2nd part) should be sent to the Association Secretariat (Wilson Hut, Building 511). Items appearing under the various headings of this part are published under the direct authority of the Staff Association.

*DEADLINE for reception of contributions:
Tuesday 12 noon.*