

OFFICIAL NEWS

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

EXECUTIVE BOARD SUMMARY

At its Fifty-first meeting, held on 3 May 1979, the Executive Board authorized in principle the Capital Project "Nouvelle Reception des Marchandises". It then discussed production problems in the Printing Shop of DD Division and agreed that each Division Leader should make every effort to reduce the demand for printing work.

Under "Other Business" short reports were given on the fatal accident which occurred on 19 April 1979 and on the breakdown of the SPS. Concerning proposed changes in the opening hours of the tunnel under route CD984, it was agreed to discuss the matter with the users in the North Area.

At its Fifty-second meeting also held on 3 May 1979, the Executive Board had a general discussion on various aspects of Safety Policy.

SEMINARS SEMINAIRES

EP SEMINARS

EP Seminars will resume in June in a new, more flexible format. Young physicists, in particular CERN Fellows, are encouraged to present and discuss, as informally as possible, current results of their work, or, alternatively, to invite speakers of their choice. These seminars will take place on Mondays at 5.00 p.m. in the Auditorium. The first three topics in this new series are :

11 June : The HYBUC Sigma Magnetic Moment
Experiment
by Ron Settles / MPI, Munich and CERN

18 June : A review of Charm Search in Hadronic
Experiments
by Murat Boratav / CERN

25 June : Fresh Results from ICE
by P. Petersen / CERN

If you have comments or suggestions, please feel free to contact W. Kozanecki (Ext. 4758-2680) or S. Reucroft (6282).

TUESDAY 5 JUNE

CERN COLLOQUIUM

at 16.00 hrs - Auditorium (*)
"Pulsars and general relativity"
by R. Ruffini / Univ. of Rome

Abstract : It is shown how the observations by J. Taylor and collaborators of the binary pulsar PSR 1913+16 have given the first evidence for the

existence of gravitational waves. This pulsar is a neutron star member of a binary system in which the companion star is itself a gravitationally collapsed object. The implications for the viable gravitational theories able to explain this most unique system are reviewed. Discussed, as well, are the evolution and formation of this system in the framework of our current knowledge of relativistic astrophysics.

(*) Note : Those attending this colloquium 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 discussions. Tea and coffee will be provided.

WEDNESDAY 6 JUNE

PRESENTATION TECHNIQUE

à 8h00, 9h30, 11h00, 13h00, 14h30 et 16h00
Salle 2-014, bat. 28 (GH3 plan CERN)

IBM (USA/CH) propose un séminaire d'actualisation sur ses systèmes de traitement de textes comportant : écran, disquette, cartes magnétiques, imprimantes diverses, guide de travail électronique, transmission de textes.

Langues : Allemand, anglais, français.

Renseignements : M. Diraison / FI / 4585

PS AND SC COMMUTEE

- at 09.00 hrs - Council Chamber

1. Status reports:

PS 159 Strange dibaryon systems (CERN-Rome-Saclay-Vanderbilt; PSCC/79-25/M27; E. Pauli).

PS 163 Search for narrow baryonium states near the pp threshold (Heidelberg-Saclay-Strasbourg; PSCC/79-24/M26; B. Pietrzyk).

2. Report on the physics with low energy cooled antiprotons at CERN (LEAR) by U. Gastaldi, K. Kilian and G. Plass (PSCC/79-17/M25).

at 14.30 hrs - Sixth floor Conference Room
Closed Session

THEORETICAL SEMINAR

at 14.00 hrs - Theory Conference Room
"Large next-to-leading corrections to hard QCD processes"

by G. Altarelli / Univ. of Rome

Abstract : A study is reported on non-leading corrections in QCD to : (a) Drell-Yan processes; (b) one-hadron inclusive lepto-production; (c) two-hadron inclusive electron-positron annihilations. In terms of scale dependent parton densities and decay functions these processes are described asymptotically by products of two parton densities (a), or a parton density times a decay function (b), or decay functions (c). The pattern of deviations from these parton formulae is discussed at first order in the running coupling constant. The corrections are particularly important at present energies for Drell-Yan processes. Derivations and phenomenological implications are discussed in simple terms.

CERN PARTICLE PHYSICS SEMINAR

at 16.00 hrs - Auditorium (*)

"A high statistics study of $A^0 \rightarrow p + e^- + \nu$

by M.N. Kreisler / CERN and Univ. of
Massachusetts-Amherst

Abstract : A high statistics study of the weak decay $A^0 \rightarrow p + e^- + \nu$ has been conducted in the neutral hyper on beam at Brookhaven National Laboratory, during the experiment, a sample of $\sim 150,000$ decays were obtained which will allow a precise determination of all the form factors as well as permit a search for second class currents. The first results of this experiment, including a measurement of the rate $\Gamma(K^0 \rightarrow p + e^- + \nu) / \Gamma(A^0 \rightarrow p + \pi^0)$ and the ratio of the axial vector coupling to vector coupling, based on a portion of the data will be presented.

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THURSDAY 7 JUNE

CERN PARTICLE PHYSICS SEMINAR

at 16.00 hrs - Auditorium (*)

"Further measurements of parity non-conservation in inelastic electron scattering"

by M. Borghini / CERN

Abstract : Earlier measurements of parity violating asymmetries in the inelastic scattering of longitudinally polarized electrons from deuterium have been extended to cover the range $0.1 < y < 0.36$. The observed asymmetry shows only slight y-dependence over this range. The results will be compared to the expectations of various models : the influence of the hadron structure will be discussed.

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MONDAY 11 JUNE

CERN NUCLEAR PHYSICS SEMINAR

at 11.00 hrs - Theory Conference Room

"Vector and tensor polarization induced in proton-deuteron elastic scattering with 3.4 1.9 GeV/c deuteron beams"

by G. Igo / UCLA

EP SEMINAR

at 17.00 hrs - Auditorium

"The HYBUC sigma magnetic moment experiment"

by R. Settles / MPI, Munich and CERN

FRIDAY 15 JUNE

CERN COMPUTER SEMINAR

at 14.00 hrs - Council Chamber

"EMMA, an unbounded multimini processor structure"

by L. Stringa / Research Dept., Elettronica
San Giorgio, ELSAG, Genova, Italy

TRAINING AND EDUCATION ENSEIGNEMENT

(Secrétariat: Tél. 2844)

WEDNESDAY 6 JUNE

ACADEMIC TRAINING

at 11.00 hrs - Auditorium

"Ultra-high vacuum science and technology"

Pressure measurements

Fressure and molecular density. Calibration of pressure gauges for DEV. The ionization gauge with hot cathode and the improvement by Bayard and Alpert. Various types and gauges. Modulation. External collector. The Bent Beam gauge and the present low pressure measuring limitations.

Lecture 4, by C. Benvenuti / CERN

THURSDAY 7 JUNE

ACADEMIC TRAINING

at 11.00 hrs - Auditorium

"Ultra-high vacuum science and technology"

Residual_gas analysis

Instruments of different design. The theory of the radio frequency quadrupole residual gas analyzer. "Practice of residual gas analysis.

Lecture 5, by E. Fischer / CERN

ENSEIGNEMENT GENERAL

13h00 - 13h30 - Amphitheatre

"Science pour Tous"

par R. Carreras

FRIDAY 8 JUNE

ACADEMIC TRAINING

at 11.00 hrs - Auditorium

"Ultra-high vacuum science and technology"

The ion induced gas desorption of typical UHV materials after different treatments. Different methods of surface analysis and their application for surface conditioning.

Lecture 6, by A. Mathewson / CERN