

indéterminée. Les candidats sont avisés de la procédure en matière d'attribution de contrats de durée indéterminée. Le Département du Personnel recueille les commentaires et les références.

mars 1986

Approbation des propositions définitives à présenter au Comité de Management.

Comité de Management d'avril 1986

Examen des propositions d'attribution d'un contrat de durée indéterminée.

mai - juin 1986

a) Mise en application des décisions prises par le Directeur général et communication des résultats aux candidats.

b) A la fin de l'examen des contrats de durée indéterminée, tous les candidats dans les codes d'emploi 102 et 103 qui ont quatre années de service révolues sont informés de leur situation en matière de contrat.

15. Avancement

novembre - décembre 1985

a) Adoption de la liste des postes devant être examinés.

b) Etablissement par les Divisions/Départements des formulaires 'Fiche individuelle d'emploi' (PE 464) et envoi au Département du Personnel accompagné de tout document pertinent.

FERMETURE DU LABORATOIRE A LA FIN DE L'ANNEE

Le Laboratoire sera fermé du mardi 24 décembre 1985 au dimanche 5 janvier 1986. Conformément à l'Article R II 4.41 du Règlement du Personnel, les jours suivants seront jours fériés officiels : mardi 24, mercredi 25, mardi 31 décembre, ainsi que mercredi 1^{er} janvier. Le premier jour ouvrable de la nouvelle année sera le lundi 6 janvier 1986.

De plus amples informations peuvent être obtenues auprès des Secrétariats de Division et de Département à partir du mardi 5 novembre. Ils seront à ce moment-là également en mesure de vous renseigner sur les conditions applicables aux membres du personnel désignés pour travailler pendant cette période.

Département du Personnel
Tél. 3238

SEMINARS SEMINAIRES

Monday 4 November

EF SEMINAR

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

SLC experiments and detectors

by C. PRESCOTT / SLAC

janvier - avril 1985

a) Entretiens et discussions d'évaluation.

b) Discussion des résultats avec les Chefs de Division/Département.

Comité de Management de mai 1986

Présentation des propositions de promotion et décision finale du Directeur général après concertation avec le Directoire.

mai - juin 1986

Mise en application des décisions et communication aux candidats des résultats prenant effet le 1^{er} juillet 1986. Les futures dates d'examen de tous les membres du personnel promus seront modifiées si nécessaire, pour être fixées au mois de juillet.

30 septembre 1986

Date limite de réception des recours contre les décisions en matière de classification d'emploi et de non-promotion. Sont exclus de tout recours ceux dirigés contre un refus de promotion 'au mérite', c'est-à-dire une promotion qui aurait pour effet de placer le membre du personnel dans un grade supérieur à celui du poste qu'il occupe, et ceux dirigés contre une non-promotion au grade attribué au poste occupé par l'intéressé, dans un délai inférieur à deux ans suivant la date à laquelle le grade a été attribué.

The English version of this text will be published in next week's Bulletin.

END-OF-YEAR CLOSURE OF THE LABORATORY

The Laboratory will be closed from Tuesday 24 December 1985 to Sunday 5 January 1986. In accordance with Article R II 4.41 of the Staff Regulations, the following will be official holidays: Tuesday 24, Wednesday 25, and Tuesday 31 December, as well as Wednesday 1 January. The first working day in the New Year will be Monday 6 January 1986.

Further information will be available from Divisional and Departmental Secretariats as from Tuesday 5 November. They will also by then be in a position to explain the conditions that will apply to members of the personnel who are required to work during this period.

Personnel Department
Tel. 3238

Two detectors for the Stanford Linear Collider have been planned for the SLC physics program. Recent developments and new technologies to be incorporated will be discussed. Some interesting experiments will be briefly discussed.

Monday 4 November

EP SEMINAR

at 16.30 hrs – Auditorium

New lambda and anti-lambda hyperon spin polarization results from the ISR

by P. SHERWOOD / UCLA

Large lambda-hyperon polarization was first observed in pBe interactions at FNAL and later in pp interactions at the ISR. Its observation in pp interactions showed that the polarization had little to do with the nuclear target and is essentially a consequence of the proton fragmentation or hadronization mechanism. We present new lambda-polarization results based on an inclusive sample of one million lambdas at four ISR energies from which we have determined the dependence of the polarization on kinematical variables. We also present a measurement of the polarization antilambdas produced in pp interactions at 63 GeV. Differential cross-sections and other properties of lambda and antilambda production will also be presented.

Tuesday 5 November

SPS EXPERIMENTS COMMITTEE

Open session

at 09.00 hrs – Auditorium

1. *Status Report on WA79/CHARM II (Study of Neutrino-Electron Scattering; Brussels-CERN-Hamburg-Moscow-Naples-Rome Collaboration; K. Winter).*
2. *Status Report on WA77 (Search for Direct Production of Gluonium States in High Transverse Momentum Negative Pion-Nucleus Collisions at 300 GeV/c; Athens-Bari-Birmingham-CERN-Paris (Collège de France)-Paris VI University Collaboration; E. Quercigh).*
3. *A 10⁴ Charm Decay Study with Emulsions Couplet to a Magnetic Spectrometer and a High Resolution Vertex Detector (Bologna-Florence-Moscow-Santander Collaboration; G. Di Caporiacco; SPSC 85-60/P 217).*
4. *Proposal for a Test of an Impact Parameter Trigger Aimed at a High Statistics Heavy Quark Study (CERN-Genoa-Milan-Santander Collaboration; L. Rossi; SPSC 85-62/P 218).*

Closed session

at 14.00 hrs – Conference Room, 6th Floor, Administration Building (to be continued on Wednesday 6 November, at 09.00 hrs).

Mardi 5 novembre

PRESENTATION TECHNIQUE

de 09.30 à 17.00 h – Amphithéâtre DD (Bât. 31, 3-005)

CAPTRONIX SA (CH/GB/USA/J) propose en présentation/démonstration:

- *la nouvelle série des terminaux PERICOM : alpha-numériques d'usage courant et stations graphiques;*
- *les imprimantes haute qualité WENGER DATEN-TECHNIK.*

09.30 *Présentation des PERICOM (45 minutes)*

10.45 *Démonstration et mise à disposition des terminaux*

14.00 *Présentation des imprimantes WENGER (30 minutes)*

14.30 *Démonstration.*

Langues : anglais, français

Renseignements : M. Diraison / FI / 4585

Tuesday 5 November

CERN COLLOQUIUM

at 16.30 hrs – Auditorium*

Dark matter in the Universe

by R.J. TAYLER / Astronomy Centre, University of Sussex, Brighton

Matter in the Universe can be detected either by the radiation it emits or by its gravitational influence. There is a strong suggestion that the Universe contains substantial hidden matter, mass without corresponding light. There are also arguments from elementary particle physics that the Universe should have closure density, which would also imply hidden mass. Observations of the chemical composition of the Universe interpreted in terms of the hot big bang cosmological theory suggest that this hidden matter cannot all be of baryonic form but must be weakly interacting elementary particles. A combination of observations and theoretical ideas about the origin of large scale structure may demand that these particles are of a type which is not yet definitely known to exist.

* *Tea and coffee will be provided at 16.00 hrs.*

Wednesday 6 November

TECHNICAL PRESENTATION

from 09.30 to 16.00 hrs – Bldg 73, 2-027

LeCroy Research System SA (CH/USA) are presenting 'Data Acquisition Instrumentation for High Energy Physics':

- *fastbus instrumentation (ADC, TDC, utility modules);*
- *ECLine : a line of modules for second level triggers;*
- *a new Digital Oscilloscope with high technical performances.*

Languages : English, French, German, Italian

Information : M. Diraison / FI / 4585

Wednesday 6 November

PS SEMINAR

at 11.00 hrs – PS Auditorium (Bldg 6, 2-024)

Phase stability in linacs

by P. LAPOSTOLLE

The principle of phase stability, invented by Mac Millan and Veksler in 1945 for synchrotrons was applied to linacs by Alvarez. The concept of synchronous wave and the general theory of phase stability will first be briefly recalled. The linac case will then be considered in more detail with special attention paid to the rapidity of change of the parameters during acceleration. Differences appear between linacs and synchrotrons which are

of little importance for most applications. In non-classical situations, however, such differences must not be forgotten, as will be shown. More detailed analysis, presented in later lectures, is then to be used.

Wednesday 6 November

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

Thermodynamics of dense superstring gases

by B.-S. SKAGERSTAM / CERN and Göteborg

A simple and intuitively appealing model is proposed to describe a gas of weakly interacting (super-) strings in a dense Universe. A new phase, dominated by macroscopic strings, appears if open strings are forbidden. The model is compared with superstring calculations, and relevant quantities are shown to agree. Whereas light superstrings have a complicated quantum behaviour, it is argued that heavy superstrings are simple, classical objects. The temperature dependence of the (super-) string tension is also discussed and is shown to vanish at the critical temperature, i.e. the phase transition is a 'deconfinement transition'.

Thursday 7 November

TECHNICAL PRESENTATION

09.00 to 12.00 hrs – Bldg 544, R-030

Ulrich MATTER AG (CH) representing LIEDLER ENGINEERING (D) and GOSSEN GmbH (D) will demonstrate : LIEDLER electronic loads for power supply test and other applications. They will show Liedler electronic loads and Gossen power supplies in operation, controlled manually and by a personal computer with a Gossen IEEE 488 / IEC 625-interface.

Equipment :

Liedler electronic load models:

model 7131 (2×100 W, 80 V, 10 A);

model 7141 (200 W, 80 V, 10 A)

model 7166 (800 W, 80 V, 100 A).

GOSSEN IEC-Bus-Programmer type MASTER : 33D42P (IEEE488 / IEC 625) for programming of power supplies and electronic loads.

GOSSEN wide-range switched mode power supply for laboratory and systems type 33N60RU15 (0...60 V dc, 0...15 A dc, 250 W).

Languages : English, French

Information : M. Diraison / FI / 4585

Jeudi 7 novembre

PRESENTATION TECHNIQUE

de 09.00 à 17.00 h – Bât. 73, 2-027

BOSSARD SA (CH) propose en démonstration les nouveautés de leur programme :

- PILGRIM (GB) : système de serrage hydraulique pour vis de diamètre 16 à 250 mm (chaudières, tuyauteries, etc.);
- RATHMANN (D) : boulons à crampons, fixation rapide de flasque pour chaudière (chimie);
- VIS PT (D) : assemblage de plastique;
- TUFLOK (CH) : revêtement nylon, assuring des assemblages, vissés et étanchéité;

- PRECOTE (D) : colle, étanchéité et assuring des éléments vissés (pour tout endroit soumis aux vibrations);
- THREE-BOND (F) : colle, étanchéité et assuring des éléments vissés;
- DEVCON (IRL) : métaux liquides, réparation et construction d'outillage;
- DIN 7500 (F et D) : vis autoformant le filetage, supprime le taraudage (construction aluminium, fonte métallique).

Langues : allemand, anglais, français

Renseignements : M. Diraison / FI / 4585

Monday 11 November

EF SEMINAR

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

The Omega Ring Imaging Cerenkov detector

A guide for the perplexed, an appraisal for the learned, a prospect for the seer

by J. EADES / CERN

A Ring Imaging Cerenkov detector was installed at the Omega spectrometer in early 1984. Data from this device are playing an important role in experiment WA 69, which recorded some 18 million triggers during the Summer of 1985. A short introduction to the Ring Imaging technique will be given for the benefit of non-experts. This will be followed by a description of the Omega RICH and a discussion of the factors influencing its design. In the second part of the seminar, the detector's current performance will be evaluated in terms of its resolution and figure of merit (N_o). Recent experience under running conditions and with a test-bench setup suggests a number of ways in which the latter figure may be increased. Discussion of these will form the final part of the talk.

Monday 11 November

EXPERT SYSTEMS SEMINAR

at 14.00 hrs – DD Amphitheatre
(Bldg 30, 3-005)

An expert program generator approach to tailoring standard networking products

by P.J. CORNWELL / Texas Instruments
Industrial Controls Division

This talk describes TISPEC, a rule-based consulting system that assists with programming tailorable communication adapters between an Industrial Local Area Network (ILAN) and a wide variety of intelligent manufacturing equipment. These adapters perform all the protocol conversion required between vendor-specific machine communication and a highly uniform set of transactions over the network. TISPEC is imbued with generalised knowledge relating to the types of machine for which adapters are prepared and of the network. The result of a TISPEC session is a 'configuration file' defining the customisation required for a new adapter in a form suitable for direct installation into the network adapter. TISPEC is developed from our experiences in creating such configuration files by hand. The primary value of

this approach is in reducing the lead time of adapter production, although automated assistance in managing the potential of a large family of network adapters is important in supporting documentation and quality assurance.

Monday 11 November

EP SEMINAR

at 16.30 hrs – Auditorium

First observation of Q^2 dependence in hadron production in deep inelastic scattering

by Agnieszka JACHOLKOWSKA / CERN-EP

Measurements are presented of the variation with Q^2 (scaling violation) of the hadron multiplicity in deep inelastic muon-proton scattering. An increase in the average multiplicity of both the charged hadrons and K^0 mesons is observed with increasing Q^2 or x_{bj} for fixed centre-of-mass energy W . The study of the shape of the effective fragmentation function $D^h(z, W, Q^2)$ shows that the increase of the particle yield with Q^2 takes place for low z particles. The variation of the hadron distributions with Q^2 is also studied in the current fragmentation region where a decrease in multiplicity is observed. The expectations from QCD theory are discussed.

Tuesday 12 November

LEP EXPERIMENTS COMMITTEE

Open session

at 09.00 hrs – Auditorium

- 09.00-09.10 *Statement by the Director General*
09.10-09.40 *Status of LEP by E. PICASSO*
09.40-09.50 *Energy spread of LEP by E. KEIL*
09.50-10.00 *Polarized electrons in LEP*
by C. BOVET

Status reports from the LEP Experiments

- 10.00-10.45 *ALEPH*
10.45-11.00 *Coffee/Tea Break*
11.00-11.45 *DELPHI*
11.45-12.30 *OPAL*
12.30-13.15 *L3*

Closed session

at 14.00 hrs – Conference Room B (formerly A + C), Bldg 61 (to be continued on Wednesday 13 November at 09.00 hrs, Conference Room, 6th Floor, Administration Building.)

Tuesday 12 November

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

Recent results from the Irvine selenium double beta decay experiment

by A. HAHN / University of California, Irvine

Wednesday 13 November

PS SEMINAR

at 11.00 hrs – PS Auditorium
(Bldg 6, 2-024)

Increased antiproton yield for the AA and ACOL

by C.D. JOHNSON / CERN-PS

Mercredi 13 novembre

REUNION OUVERTE DU LEP

à 14.30 h – Amphithéâtre du LEP
(Bât. 30, 7^e étage)

1. Vidéo : 'Avancement des travaux de génie civil'.
2. Vidéo : 'La fabrication des aimants quadrupolaires de la maille régulière du LEP', présenté par C. WYSS.

Thursday 14 November

PRESENTATION

at 10.00 hrs – DD Amphitheatre
(Bldg 31, 3-005)

TOSCA. Demonstration of 3 dimensional magnetic field computation on CERN's IBM VM-CMS System

by John SIMKIN / Managing Director, Vector Fields Ltd., Oxford

Friday 15 November

CAS ACCELERATOR SEMINAR

at 14.30 hrs – Council Chamber

Materials for high field superconducting magnets: status and prospects of Chevrel-phases

by O. FISCHER/ Département de physique de la matière condensée, Geneva University

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ENSEIGNEMENT GENERAL

Tél. 2844

Jeudi 7 novembre

de 13.00 h à 13.30 h – Amphithéâtre

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par R. CARRERAS

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6, 7 and 8 November

11.00 to 12.00 hrs – Auditorium

Symbolic and algebraic computation

by J. FITCH / University of Bath