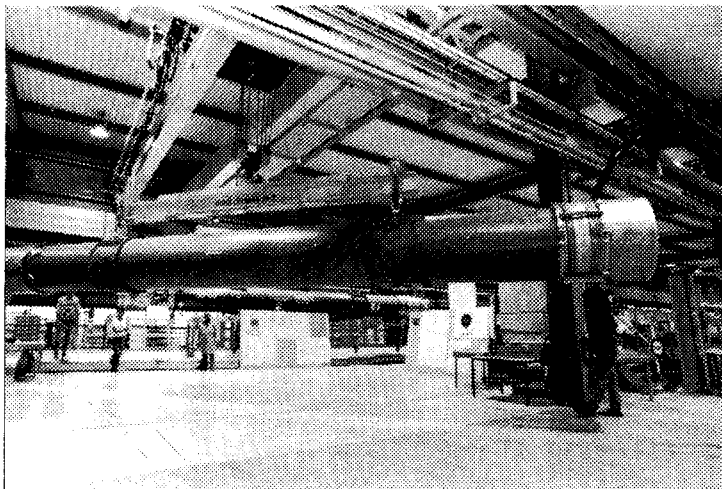




LHC superconducting dipole from Germany

Another superconducting dipole magnet for the LHC arrived at CERN last week. The magnet was built in Germany under the supervision of the company Noell. Testing will start immediately.

Un dipôle supraconducteur allemand pour le LHC

Un nouvel aimant dipolaire supraconducteur destiné au LHC est arrivé au CERN la semaine dernière. Il a été construit en Allemagne sous la surveillance de la société Noell. Les essais commenceront immédiatement.

COMMUNICATIONS OFFICIELLES

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

La reproduction même partielle de ces informations par des personnes ou des institutions externes à l'Organisation exige l'approbation préalable de la Direction du CERN.

NOUVELLE PRÉSENTATION DU BULLETIN DE SALAIRE

A compter du mois d'octobre 1994, la présentation du bulletin de salaire sera changée.

Le nouveau bulletin, qui contiendra les mêmes informations que par le passé, sera imprimé sur du papier au format A4 et vous sera adressé sous une enveloppe à fenêtre spéciale, de couleur gris clair, portant les mentions Personnel Confidentiel.

Vérifiez soigneusement votre courrier et réservez lui le meilleur accueil.

Division des Finances

OFFICIAL NEWS

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

Reproduction of all or part of this information by persons or institutions external to the Organization requires the prior approval of the CERN management.

NEW PAY-SLIP LAYOUT

The pay-slip will have a different layout as from October 1994.

While giving the same information as the old one, the new pay-slip will be printed on an A4 sheet and will reach you in a special, light grey window envelope marked Personal and Confidential.

Please look out for it in your mail box.

Finance Division

SEMINARS SEMINAIRES

Monday 10 October

DETECTOR SEMINAR

at 11.00 hrs – ECP Conference Room
bldg 13/2-005

Performance of a 3000 channel scintillating fibre tracker using VLPC readout

by Stefan GRUENENDAHL / University of Rochester, New York

Results of a cosmic ray test of a 3072 channel scintillating fibre tracker using visible light photon counter (VLPC) readout will

be presented. This system is a prototype for the D0 detector tracking upgrade, and represents a configuration that is similar to that planned for the final detector. Characterization of a large number of VLPC has been an integral part of this scintillating fibre system test. Results are reported from our investigation of 4200 channels of HISTE IV VLPCs, for which quantum efficiency, gain and noise were studied as a function of operating temperature and VLPC bias. Tracking results from the cosmic ray test itself include R-Phi and R-Z resolution studies, light yield/mip, attenuation, and efficiency measurements. We obtain a typical number of 10 photo-electrons/mip/fibre, and for a doublet layer an R-Phi resolution of 160 microns (before corrections for fibre position survey) and an efficiency, with negligible noise, of nearly 100%, after accounting for known dead channels in the system.