

transit time or phase the physical sensor quantity is determined.

Wirelessly read out temperature and preliminary mechanical deformation measurements are presented. A considerable increase of measurement sensitivity by linear frequency modulated waveforms and SAW IDTs can be attained. In temperature measurements a resolution of 1mK was found.

Tuesday 19 September

CERN ASTROPHYSICS SEMINAR

at 16.30 hrs – Auditorium *

**Neutron stars as clocks – general relativity,
planets and superfluids**

by A. LYNE / University of Manchester, UK

As the inert end-products of stellar evolution, neutron stars are massive flywheels, which mostly have intense magnetic fields and enable us to monitor their rotation rates with high precision. The rotation of the most stable of these pulsars exceeds the stability of the best terrestrial atomic clocks and permits high precision studies of gravitational fields and general relativity and allows the detection of small extra-solar planetary bodies.

However, not all pulsars are such good clocks and many young objects show irregularities in their rotation which provide information on the interior structure of neutron stars through a kind of “rotational seismology”. The measurements reveal a substantial component of superfluid material, probably neutrons, and place limits on the hardness of the equation of state at super-nuclear densities.

** Tea & coffee will be served at 16.00 hrs.*

EDUCATION SERVICES EDUCATIFS

LA FORMATION AU CERN SUR LE WORLD WIDE WEB

Vous trouverez dès maintenant des informations sur la formation au CERN sur le “World Wide Web”. Vous pouvez y accéder en cliquant sur “Services Educatifs” dans la “Home Page” ou via URL <http://www.cern.ch/EducTech/>.

Les brochures des quatre différents programmes – Académique, Langues, Management & Communication et Enseignement Technique ont été distribuées à tous les membres du personnel payés par le CERN. D’autres copies sont à votre disposition auprès de N. Dumeaux (tel. 3674 ou nathalie_dumeaux@macmail). Pour de plus amples détails, vous pouvez aussi consulter le web comme indiqué ci-dessus.

W. Blair

INFORMATION ABOUT TRAINING ON THE WORLD WIDE WEB

Information about training at CERN is now available on the Web. This may be reached by clicking on “Education Services” on the CERN Home Page, or via the URL <http://www.cern.ch/EducTech/>.

Brochures on each of the four training programmes – Academic, Language, Management & Communication and Technical Training – have recently been distributed to all members of personnel paid by CERN. Further copies may be obtained from N. Dumeaux (tel. 3674 or nathalie_dumeaux@macmail). Alternatively, please consult the full details on the Web, as outlined above.

W. Blair

INFORMATIONS GENERALES GENERAL INFORMATION

VACCINATION CONTRE LA GRIPPE

Le Service Médical rappelle que la vaccination contre la grippe s’effectue de préférence entre le 15 septembre et le 15 octobre.

Les personnes désirant se faire vacciner par les Infirmières du CERN devront se présenter au service médical (bât.57/ rez-de-chaussée), MUNIES D’UNE DOSE DE VACCIN.

Service médical

INFLUENZA VACCINATION

Staff who wish to be vaccinated against the flu, should present themselves WITH THEIR INJECTION at the Infirmary (bldg 57/ground-floor).

It is recommended to be vaccinated between the 15 September and the 15 October.

Medical Service