



Week Monday 12 August

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Semaine du lundi 12 août

COMMUNICATIONS OFFICIELLES

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

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VACANCE DE POSTE INTERNE POUR UN ORGANISATEUR DE VISITES DE PERSONNALITÉS AU CERN

Un nouveau poste a été ouvert pour un membre du personnel titulaire scientifique, technique ou administratif qui sera chargé d'organiser des visites de personnalités au CERN.

Les candidats internes (titulaires) intéressés par ce poste devront posséder une excellente connaissance du CERN, de ses activités et de ses services. Ils devront avoir des dispositions pour les tâches de relations publiques et parler couramment plusieurs langues.

Pour complément d'information, s'adresser à G. Hentsch/DG (tél. 5451) ou à W. Zapf/PE (tél. 4466).

INTERNAL VACANCY FOR AN ORGANIZER OF VIP VISITS TO CERN

A new position has been opened for a scientific, technical or administrative staff member to be entrusted with the organization of VIP visits to CERN.

Internal candidates (staff members) interested in this position should possess an excellent knowledge of CERN, its various activities and services. They should have a talent for public relations work and be fluent in several languages.

Please contact G. Hentsch/DG (tel. 5451) or W. Zapf/PE (tel. 4466) for further information.

SEMINARS SEMINAIRES

Thursday 15 August

PS SEMINAR

at 14.30 hrs – PS Auditorium
bldg 6/2-024

Emittance growth from space-charge forces

by Thomas P. WANGLER / Los Alamos National
Laboratory, USA

A topic of great interest in accelerator physics today is the transport and acceleration of high-quality beams with high currents and very low emittances. Numerical simulation studies of intense low-velocity beams have shown that space-charge induced rms-emittance growth occurs, especially after accelerator transitions where the focusing forces change. This growth can become even larger when the rms-beam variables are no longer matched to the focusing channel. One can observe emittance growth in phase space that is associated

with the formation and thermalization of a central core and the development of a diffuse halo, both caused by the nonlinear space-charge forces. Progress has resulted from the idea of a free energy that is available for the growth of rms emittance as the beam relaxes to a quasi-equilibrium distribution after a transition. In this presentation we will review these ideas, and show how they provide us with new insights, and allow us to make estimates for emittance growth in intense beams.

** Please note unusual day & time*

Wednesday 14 August

THEORETICAL SEMINAR

at 14.00 hrs – Th Conference Room

**A framework for quark and lepton masses and
mixing angles**

by Savas Dimopoulos / Stanford and CERN