

EDUCATION SERVICES EDUCATIFS

ACADEMIC TRAINING

Tel. 3127

14, 15, 16 & 17 June

LECTURE SERIES

11.00 to 12.00 hrs – Auditorium

Wakefield, Landau damping and
beam instabilities

by A. HOFMANN / CERN-SL

The concepts of wake potential and impedance are introduced in the example of a single mode cavity. Longitudinal beam dynamics is then briefly discussed and the Vlasov

equation derived. With this as a base, the effects of a broad band reactive impedance on the bunch (potential bunch lengthening) and of a narrow band resistive impedance on the bunch stability (Robinson instability) are calculated. The concept of Landau damping is introduced by calculating the response of a coasting beam with frequency spread to a transverse excitation (transfer function). The obtained result is used to obtain a transverse beam stability criterion. Finally, the response of a bunched beam is investigated.

ENSEIGNEMENT GENERAL

Tél. 5811

Jeudi 10 juin

à 13.00 h – Amphithéâtre

Science pour tous

par Rafel CARRERAS

INFORMATIONS GENERALES GENERAL INFORMATION

DISTRIBUTION DE CARBURANTS POUR LES VÉHICULES UTILISÉS AU CERN

Vous trouverez ci-dessous comment s'approvisionner en carburants pour les véhicules utilisés au CERN, des changements dans l'organisation de cette distribution étant intervenus dernièrement.

1. Véhicules CERN

a) Station du Site de Prévessin (Hall 867) :

Super et Diesel.

b) Station du Site de Meyrin (bât. 57) :

Diesel et Sans plomb.

Les heures d'ouverture pour ces deux stations sont :

de 08.00 à 12.00 h et de 13.00 à 17.00 h

(jours ouvrables).

2. Véhicules en leasing (PPE)

Véhicules loués à l'extérieur

Pour ces deux types de véhicules, s'approvisionner aux stations de distribution hors du CERN (*Super, Diesel et Sans plomb*).

DISTRIBUTION OF FUEL FOR VEHICLES USED AT CERN

There have been some changes in the organization of fuel distribution for vehicles used at CERN :

1. CERN vehicles

a) Prévessin site (Hall 867) :

Super and Diesel

b) Meyrin site (Bldg 57) :

Diesel and lead-free

The opening hours of these two stations are :

from 08.00 to 12.00 hrs & from 13.00 to 17.00 hrs

(working days only).

2. Leased vehicles (PPE)

Rented vehicles

For these two types of vehicle, fuel should be taken at stations outside CERN (*Super, Diesel, and lead-free*).

Transport Group (ST/HM)

Groupe Transports (ST/HM)