

# SEMINARS SEMINAIRES

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**Monday 31 July**

**2, 4, 7, 8, 9 & 10 August**

**SPECIAL PS ACCELERATOR SEMINARS**

at 14.30 hrs – PS Auditorium

**An introduction to accelerators (wide screen video retransmission of a series of 7 lectures given originally in 1988)**

by E.J.N. WILSON / CERN-PS

*The course is intended for anyone with a technical or scientific background who would like to become familiar with the principles of accelerator design. The level of the course is chosen with the intention of preparing those with no specialist knowledge of accelerator theory for the CERN Accelerator School but it is also of interest to a much wider audience. There is a series of seven talks on all aspects of circular machines which covers in a simple way the principles of focusing, betatron motion, dispersion chromaticity, radio-frequency systems and phase stability and beam instabilities. The special features of electron machines are also emphasized in preparation for LEP operation.*

*(Notes will be available to help in viewing transparencies and advance copies may be requested from BITTER@CERNVM).*

## TRAINING AND EDUCATION ENSEIGNEMENT

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### SUMMER STUDENT LECTURES

#### This week

|               |       |              |                                                                    |
|---------------|-------|--------------|--------------------------------------------------------------------|
| Mon. 31 July  | 09.00 | G. Gabrielse | Isolated particles trapped in minuscule accelerators (1)           |
|               | 10.30 | G. Gabrielse | Isolated particles trapped in minuscule accelerators (2)           |
| Tue. 1 August | 09.00 | V. Cavasinni | Hard hadronic interactions (1)                                     |
|               | 10.30 | C. Jarlskog  | Introduction to particle physics – QCD, QED and standard model (6) |
| Wed. 2 August | 09.00 | V. Cavasinni | Hard hadronic interactions (2)                                     |
|               | 10.30 | --           |                                                                    |

**Tuesday 1 August**

**LEAR DISCUSSION MEETING**

at 14.00 hrs – PS Auditorium  
bldg 6, 2-024

**Very low energy antiprotons**

*An informal discussion meeting to consider the physics potential of very low energy antiprotons and possible techniques for providing them.*

**Wednesday 2 August**

**THEORETICAL SEMINAR**

at 14.00 hrs – TH Conference Room

**How to compute the  $J/\psi$  suppression in ultrarelativistic nucleus-nucleus collisions**

by T. MATSUI / IPN, Orsay

**Wednesday 2 August**

**ISOLDE SEMINAR**

at 16.00 hrs – TH Conference Room

**Cooled composite calorimeter spectrometers and detectors : a primer and progress**

by H. Henry STROKE / New York University

*A low-temperature calorimeter, based on a composite bolometer, has been developed in a LPSP (Verrières-le-Buisson) / Aarhus / CEN (Saclay) / Chalmers (Göteborg) / ISOLDE (CERN), New York University collaboration. One goal in its use as a particle spectrometer is to measure the neutrino mass. Applications to possible dark matter detection are envisaged with massive bolometers. Principles, some results obtained, and current status will be discussed.*

|                  |                |                            |                                                                                         |
|------------------|----------------|----------------------------|-----------------------------------------------------------------------------------------|
| Thu. 3 August    | 09.00<br>10.30 | V. Cavasinni<br>M. Albrow  | Hard hadronic interactions (3)<br>Soft hadronic interactions (1)                        |
| Fri. 4 August    | 09.00<br>10.30 | V. Cavasinni<br>M. Albrow  | Hard hadronic interactions (4)<br>Soft hadronic interactions (2)                        |
| <b>Next week</b> |                |                            |                                                                                         |
| Mon. 7 August    | 09.00<br>10.30 | --<br>--                   | --<br>--                                                                                |
| Tue. 8 August    | 09.00<br>10.30 | --<br>--                   | --<br>--                                                                                |
| Wed. 9 August    | 09.00<br>10.30 | W. Schnell<br>--           | Electron positron colliders in the TeV energy range<br>--                               |
| Thu. 10 August   | 09.00<br>10.30 | F. James<br>W. Hillebrandt | Monte Carlo and random numbers (1)<br>The Supernova 1987A in the Large Magellanic Cloud |
| Fri. 11 August   | 09.00<br>10.30 | F. James<br>C. Wetterich   | Monte Carlo and random numbers (2)<br>A new force weaker than gravity ?                 |

All lectures are given in English and are held in the Auditorium.

Fellows and Associates Service  
Tel. 4471

## SERVICE D'APPUI LINGUISTIQUE LINGUISTIC SUPPORT SERVICE

Secrétariat (après-midi seulement) : 31.27  
Secretariat (afternoon only) : 31.27

### ANGLAIS - FRANCAIS - ALLEMAND

Les inscriptions à ces cours sont ouvertes dès maintenant pour le prochain trimestre :

25 septembre - 22 décembre

Les formulaires d'inscription sont à votre disposition en libre service au bât. 54, rez-de-chaussée, en face du bureau R-013.

Ces cours s'adressent à toute personne travaillant au CERN ainsi qu'au conjoint, pour certains types de cours.

#### Cours d'anglais

##### 10 niveaux de cours

de 4 à 8 heures par semaine selon les niveaux et objectifs des participants.

Pour toute information, veuillez contacter les professeurs d'anglais, bât. 54/R-027, tél. 2957, tous les jours de 10 à 12 h.

#### German courses

##### 1 level : Beginners

|           |                   |
|-----------|-------------------|
| Tuesdays  | 10.30 - 12.30 hrs |
| Thursdays | 17.00 - 19.00 hrs |

If you wish to take this course, please fill in the slip below and return it immediately to Ulrich Liptow, bldg 54/R-027.

To : Ulrich Liptow, Linguistic Support Service

I would like to take the German course  
25 September - 22 December

Name .....  
First name .....  
Division ..... Tel. .... Date .....