

# SEMINARS SEMINAIRES

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## Monday 16 July

### EP SEMINAR

at 17.00 hrs – Auditorium

#### Determination of the B–lifetime

by Peter STEFFEN / CERN–EP and DESY

*Inclusive production of muons, electrons and hadrons in  $e^+e^-$  annihilation into multihadronic final states has been analyzed using the JADE detector at the PETRA storage ring at DESY. The B–lifetime is determined from the measurement of the displacement of the extrapolated tracks from the production vertex of the event. Two different methods of analysis will be presented which give compatible results significantly different from zero.*

## Wednesday 18 July

### THEORETICAL SEMINAR

at 14.00 hrs - Theory Conf. room

#### The Laplacian of the potential and the order of energy levels

by A. MARTIN / CERN

*We prove that for a non-relativistic two-body system, the order of energy levels with the same principal Coulomb quantum number is controlled by the sign of the Laplacian of the (spherically symmetric) potential. If it is positive, the levels with larger angular momentum have*

*lower energy. If it is negative, it is the opposite. In numerous situations in particle and nuclear physics as well as atomic and solid state physics the Laplacian has a definite sign.*

## Monday 23 July – Friday 27 July

### WORKSHOP ON RF-SUPERCONDUCTIVITY

at 09.00 hrs – Concil Chamber

*From Monday 23 July to Friday 27 July the Second Workshop on RF Superconductivity will be held at CERN. It is considered as the continuation of the First Workshop held at Karlsruhe in 1980.*

*The Workshop should sum up the experimental, technological and theoretical progress in the field since 1980 and it should serve the communication between the individual groups working in the fields.*

*The first day is reserved for status reports of the different laboratories, the next three days will be dedicated to different topics in RF-Superconductivity and the last day will be devoted to the application of RF-Superconductivity for large storage rings.*

*For more information please contact H. Lengeler (Tel. 5862/2998), EF Division.*

## Thursday 26 July

### CERN COLLOQUIUM

at 16.30 hrs – Auditorium

#### Ultrahigh energy neutrino physics and astronomy

by Arnon DAR / Technion-Israel Institute of Technology, Haifa, Israel

## TRAINING AND

# EDUCATION ENSEIGNEMENT

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### SUMMER STUDENT LECTURES

|              |       |              |
|--------------|-------|--------------|
| Mon. 16 July | 08.30 | C. Fabjan    |
|              | 10.00 | F. James     |
|              | 11.15 | V. Weisskopf |
| Tue. 17 July | 08.30 | C. Fabjan    |
|              | 10.00 | F. James     |
|              | 11.15 | V. Weisskopf |
| Wed. 18 July | 08.30 | C. Fabjan    |
|              | 10.00 | E. Iarocci   |
|              | 11.15 | V. Weisskopf |

Electronics detectors, instrumentation and data acquisition (1)

Monte Carlo (1)

Particles and symmetries (1)

Electronics detectors, instrumentation and data acquisition (2)

Monte Carlo (2)

Particles and symmetries (2)

Electronics detectors, instrumentation and data acquisition (3)

Underground experiments in Europe, status and perspectives

Particles and symmetries (3)

|      |         |       |              |                                                                 |
|------|---------|-------|--------------|-----------------------------------------------------------------|
| Thu. | 19 July | 08.30 | W. Bell      | Electronics detectors, instrumentation and data acquisition (4) |
|      |         | 10.00 | D. Burckhart | Electronics detectors, instrumentation and data acquisition (5) |
|      |         | 11.15 | V. Weisskopf | Particles and symmetries (4)                                    |
| Fri. | 20 July | 08.30 | D. Burckhart | Electronics detectors, instrumentation and data acquisition (6) |
|      |         | 10.00 | A. Bogaerts  | Electronics detectors, instrumentation and data acquisition (7) |
|      |         | 11.15 | ---          |                                                                 |

#### Next week

|      |         |       |                                    |                                                                                 |
|------|---------|-------|------------------------------------|---------------------------------------------------------------------------------|
| Mon. | 23 July | 08.30 | L. Camilleri                       | Hard hadronic interactions (1)                                                  |
|      |         | 10.00 | Bell/Bogaerts/<br>Burckhart/Fabjan | Electronics detectors, instrumentation and data acquisition (8) (Demonstration) |
|      |         | 11.15 | ---                                |                                                                                 |
| Tue. | 24 July | 08.30 | T. del Prete                       | Soft hadronic interactions                                                      |
|      |         | 10.00 | L. Camilleri                       | Hard hadronic interactions (2)                                                  |
|      |         | 11.15 | E. Wilson                          | An introduction to accelerators (1)                                             |
| Wed. | 25 July | 08.30 | L. Camilleri                       | Hard hadronic interactions (3)                                                  |
|      |         | 10.00 | E. Wilson                          | An introduction to accelerators (2)                                             |
|      |         | 11.15 | V. Weisskopf                       | Particles and symmetries (5)                                                    |
| Thu. | 26 July | 08.30 | L. Camilleri                       | Hard hadronic interactions (4)                                                  |
|      |         | 10.00 | E. Wilson                          | An introduction to accelerators (3)                                             |
|      |         | 11.15 | V. Weisskopf                       | Particles and symmetries (6)                                                    |
| Fri. | 27 July | 08.30 | P. Jenni                           | Missing transverse momentum, a signature for new physics                        |
|      |         | 10.00 | E. Wilson                          | An introduction to accelerators (4)                                             |
|      |         | 11.15 | V. Weisskopf                       | Particles and symmetries (7)                                                    |

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

Fellows and Associates Service (4471).

## INFORMATIONS

# GENERALES

## GENERAL INFORMATION

### ROADS AND CAR PARKS

At short notice, SB Division has had to carry out roadworks at the junction of Routes PAULI and BAKKER (near the LIL building).

The road will be surfaced between 16-20 July.

This junction will therefore be closed. Road users are requested to follow the temporary diversion signs.

Maintenance/Civil Engineering Section SB

### ROUTES ET PARKINGS

La Division SB a dû entreprendre, en urgence, le carrefour des routes PAULI-BAKKER (près du bât. LIL).

L'exécution du revêtement routier se fera du 16 au 20 juillet 1984.

Ce carrefour sera donc fermé. Les utilisateurs devront se conformer à la signalisation routière provisoire de déviation.

Section Entretien Génie civil SB