

SEMINARS SEMINAIRES

MONDAY 9 FEBRUARY

ISR SEMINAR

at 14.30 hrs - ISR Auditorium
(Top floor of Building 30)

"Numerical Control Techniques for
Magnet Power Supplies", by

P. Wolstenholme - Introduction to the
Theoretical Aspects of the Problem

J.G. Pett - ISR CAMAC Power Supply
Control Hardware

D.F. Kemp - ISR Control Software

*Abstract : Techniques employed in digital
control systems to adjust multiple analogue
parameters are reviewed and illustrated by
means of the ISR magnet power supply control
system.*

EP SEMINAR

at 17.00 hrs - Auditorium

"The Streamer Tube System of the WA 18
Calorimeter"

by V. Valente / Univ. of Rome

*Abstract : We have built a large-scale system
of limited streamer tubes and installed them in
the WA 18 neutrino detector. The construction
assembly turned out to be rather cheap and
simple. The working parameters are not critical
and the system operates stably and reliably. Its
use is expected to improve the spatial resolution
of the existing set-up.*

TUESDAY 10 FEBRUARY

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium *)

"Experimental Study of Neutrino and
Antineutrino Cross-sections"

by J. Panman / NIKHEF, CHARM Collaboration

*Abstract : Recent results obtained with the fine-
grain calorimeter of the CHARM-Collaboration at
the CERN 200 GeV narrow-band neutrino beam will
be presented. Neutral-current and charged-current
cross-sections in neutrino and antineutrino
interactions were obtained. From the results
the chiral coupling constants of the neutral
hadronic current were deduced.*

*) Note : Those attending this seminar are
cordially invited to the Salle des Pas Perdus
(just outside the Council Chamber) at 16.00 hrs
to meet the speaker and for informal discussions.
Tea and coffee will be provided.

WEDNESDAY 11 FEBRUARY

THEORETICAL SEMINAR

at 14.00 hrs - Theory Conference Room

"The Weak Interactions as a Confining
Gauge Theory"

by E. Farhi / CERN

*Abstract : I will discuss a strong-coupling,
confining version of the standard $SU(2)_L \times U(1)$
electroweak model. At low energies, the particles
and interactions given by this model are indistin-
guishable from those of the usual weak coupling,
spontaneously broken theory. At high energies,
the confining model exhibits bound state quark
and lepton structure, and intermediate vector
bosons heavier than those of the standard model.
Implications for grand unification will be dis-
cussed.*

MONDAY 16 FEBRUARY

EP SEMINAR

at 17.00 hrs - Auditorium

"A Study of Unconventional Decays of
the τ Lepton"

by K. Hayes / CERN

TUESDAY 17 FEBRUARY

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

"Recent Results from the JADE Experiment
at PETRA"

by F.K. Loebinger / Manchester Univ.

TRAINING AND EDUCATION ENSEIGNEMENT

TUESDAY 10, WEDNESDAY 11, THURSDAY 12 AND FRIDAY 13 FEBRUARY

ACADEMIC TRAINING (Tel. 2844)

at 11.00 hrs - Auditorium

"Electron Accelerators and Storage
Rings - Physics Introduction"

by A. Renieri / CNEN, Frascati

Lectures 1 to 4.

(For abstract, see last week's Bulletin and
notices.)

Lectures 5 to 8, by A. Renieri / CNEN, Frascati
on February 16, 17, 18 and 19,
at 11.00 hrs - Auditorium