

SEMINARS SEMINAIRES

Wednesday 8 August

THEORETICAL SEMINAR

at 14.00 hrs – Theory Conference Room

Anomalies in/and odd dimensions

by L. ALVAREZ-GAUME / Harvard

A general outlook on the use of topological methods to obtain anomalies will be presented. In particular, the extension of methods used in the treatment of fermion fractionalization in the presence of solitons prove quite useful in determining the general structure of the parity violating part of the effective action in an odd number of dimensions. The relation with the usual gauge and gravitational anomalies will be analysed; and the possible implications for $d=11$ $N=1$ supergravity will be shown.

Monday 13 August

EP SEMINAR

at 17.00 hrs – Auditorium

Laser spectroscopy at ISOLDE :

The study of nuclear properties far off stability

by K. WENDT / University of Mainz and
CERN-EP

The method of collinear fast beam-laser spectroscopy, using directly beams of radioactive isotopes from on-line mass separators such as ISOLDE at CERN, has dramatically extended the possibilities to study nuclear moments, radii and deformations over long chains of short lived isotopes with lifetimes down to the second range. In this way our knowledge about nuclear behaviour has been extended deep into the region of α - and β -instability, giving stringent tests for nuclear models. The atomic physics problems, involved in the extraction of the nuclear quantities from the experimental data, will be briefly reviewed, while the discussion will focus on some recent results for nuclei in the rare earth and radium region.

Tuesday 14 August

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

Possible left-right symmetry and β^+ decay

by D. ATKINSON / University of Groningen

Thursday 16 August

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

**Heavy neutral leptons and new gauge bosons :
Some experimental prospects for the rest of
the '80's**

by J. ROSNER / University of Chicago

TRAINING AND

EDUCATION ENSEIGNEMENT

SUMMER STUDENT LECTURES

This week

Mon. 6 Aug.	08.30	L. Tauscher
	10.00	W. Schlatter
	11.15	B. Jonson
Tue. 7 Aug.	08.30	L. Tauscher
	10.00	W. Schlatter
	11.15	B. Jonson
Wed. 8 Aug.	08.30	W. Willis
	10.00	W. Schlatter
	11.15	V. Wotschack
	16.30	H. Schopper
Thu. 9 Aug.	08.30	F. Flückiger
	10.00	W. Schlatter
	11.15	V. Weisskopf

Physics with low energy antiprotons at LEAR (1)

Highlights in e^+e^- physics (1)

The ISOLDE programme : studies of exotic nuclei (1)

Physics with low energy antiprotons at LEAR (2)

Highlights in e^+e^- physics (2)

The ISOLDE programme : studies of exotic nuclei (2)

Melting the vacuum with nuclear collisions

Highlights in e^+e^- physics (3)

Experimental searches for
neutrino oscillations

High energy physics – where is it going ?
(Please note unusual time)

Wide area networking for physics

Highlights in e^+e^- physics (4)

Physics and society