

Friday 1 February

MEETING ON PARTICLE PHYSICS PHENOMENOLOGY

at 14.00 hrs – TH Conference Room

What can be learned from the intermittency analysis of multiparticle production?

by Wolfgang OCHS / Max-Planck Institut,
Munich

A short introduction to the experimental results and the theoretical discussion will be given. We show that an intermittency analysis in 3D momentum space yields conclusions on the scaling properties of particle production in the full range of scales. Certain scaling properties also appear in lower dimensions. We discuss predictions on intermittency indices for jet cascades and QGP formation, and further tests of hadronisation models (parton hadron duality).

Monday 4 February

PPE SEMINAR

at 16.30 hrs – Auditorium

Latest OPAL results from a combined analysis of hadronic and leptonic decays of the Z^0

by Gunter QUAST / CERN for the OPAL
collaboration

Latest results on hadronic and leptonic partial decay widths of the Z^0 and forward-backward asymmetries in leptonic Z^0 decays will be given, based on the full data sample taken with the OPAL detector in 1989 and 1990 (about 7.5 inverse pb in an energy scan around the Z^0 resonance). Minimally model-dependent combined fits to hadrons and leptons were performed in order to determine the mass of the Z^0 , its total and partial widths and the vector and axial vector couplings of the Z^0 to leptons. A comparison of the data with the Standard Model will be presented, which constrains the allowed range of the top quark mass.

Mardi 5 février

SEMINAIRE MT

à 14.00 h – bât. 30, 4-035

Lasers de puissance pour soudure et usinage

par K. BADAWI / IUT Le Creusot

Langue : français (discussion possible en anglais)
Renseignements : F. Bertinelli / MT / 5098

Tuesday 5 February

CERN COLLOQUIUM

at 16.30 hrs – Auditorium*

Experiments with separated oscillatory fields and hydrogen masers

by Norman F. RAMSEY, Nobel Laureate 1989

* Tea & coffee will be served at 16.00 hrs.

TRAINING AND EDUCATION ENSEIGNEMENT

ENSEIGNEMENT GENERAL

Tél. 5811 ou 2844 (le matin)

Jeudi 31 janvier

de 13.00 h à 13.30 h – Amphithéâtre

Science pour tous

par R. CARRERAS

ACADEMIC TRAINING

Tél. 2844-3674

28 January

4, 11, 18, 25 February

4, 11 March

LECTURES FOR POSTGRADUATE STUDENTS

11.00 to 12.00 hrs – Auditorium

Introduction to accelerators

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

28.1 : The first lecture on accelerators

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. The lecture on 28 January is the first in 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. Participants will be invited to join tutorial study groups arranged in conjunction with the lectures.