

FASTCAMAC is a proposed extension to the CAMAC data acquisition standard, which substantially increases the data transfer rate of CAMAC systems while retaining compatibility with standard CAMAC. This extension provides an increase in data transfer rate of 2.5 to 20 times that of normal CAMAC (up to 60 Mbytes/s). These increased speeds are achieved while maintaining full forward and backward compatibility with the existing CAMAC standard. Normal CAMAC modules and the new FASTCAMAC modules will work together in the same CAMAC crate at their respective speeds. The proposed standard has 3 levels of increasing complexity. The first level (currently being circulated for comment) provides an increase in the maximum data transfer rate to 7.5 Mbytes/s (2.5 X normal CAMAC). This project is supported by the US Department of Energy.

At the 1995 IEEE conference 5 commercial CAMAC manufacturers supplied modified commercial modules for a demonstration of FASTCAMAC. There will be a demonstration of FASTCAMAC with some modules from the European CAMAC manufacturers.

Monday 1 April

PPE SEMINAR

at 16h30 – Auditorium

Recent Charm Results from CLEO

Paula A. POMIANOWSKI / Virginia Polytechnic Institute

The CLEO collaboration has just finished processing 5 fb⁻¹ of data both on and off the u4S resonance, with current analyses using about 3 – 4 fb⁻¹. This sample of approximately 4 million cç events has provided results on a rich variety of charm topics.

New observations of excited charm baryons, and measurements of the relative and absolute branching fractions of many charm hadrons will be presented. Of particular interest to the LEP community are CLEO's new measurements of the absolute branching fractions of D⁰ → Xe n and D_s → f p. Also, an upper limit on a novel mechanism of l_c production from B decay is presented.

Tuesday 2 April

TECHNICAL PRESENTATION

at 10.00 hrs – CN Auditorium, bldg 31/3-004-5

High Density Fibre Optic Connector and Cable Solutions for the LHC Programme

by Philip C. LONGHURST, Europtics, Stephen M. DAVIES, BICC.

Organiser : S. Cannon / CN / 5036

Tuesday 2 April

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium*

Highlights of CDF Results

by Lina GALTIERI / Lawrence Berkeley National Laboratory

* Tea & coffee will be served at 16.30 hrs.

POUR INFORMATION / FOR INFORMATION

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1211 Geneva 4
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Wednesday 27 March

PARTICLE PHYSICS SEMINAR

at 17.00 hrs – Stuckelberg Auditorium

Search for neutrino oscillations with CHORUS

by Dr Juergen BRUNNER/CERN

EDUCATION

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ENSEIGNEMENT GÉNÉRAL

Tél. 5811

Jeudi 28 mars

à 13.00 h – Amphithéâtre

Science pour tous

par Rafel CARRERAS

ENSEIGNEMENT ACADEMIQUE ACADEMIC TRAINING

Françoise Benz ☎ 3127

Informations détaillées sur le WWW
Information about the lectures on WWW
<http://www.cern.ch/Training/>

LECTURE SERIES

25, 26, 27, 28 & 29 March

11.00 to 12.00 hrs – Council Chamber

Fun with symmetries in particle physics

by H. Georgi, Harvard Univ., Cambridge, USA

The five lectures should correspond roughly to the following topics :

1. Global and/or approximate symmetries
2. Gauge symmetries : unbroken and broken
3. Goldstone Bosons
4. Heavy quark symmetries
5. Peculiar symmetries at large N_c

My intention is to give colloquium-style lectures. Except in the last lecture, I will say only things that everyone in the audience knows, but I hope to do so in entertaining and sometimes surprising ways. A highlight, assuming that my computer animations work, should be an entirely pictorial derivation of Weinberg's formula for $\pi\pi$ scattering in lecture 3.