

Monday 22 October

EP SEMINAR

at 17.00 hrs – Auditorium

Radiative J/psi decays to two pseudoscalar mesons

by K. EINSWEILER / CERN-EP

The MARK III experiment at SPEAR has acquired a sample of 2.7×10^6 J/psi events. The latest results on radiative decays will be presented. The large event sample obtained by the MARK III has allowed a detailed study of the $f(1220)/f'(1515)/\theta(1700)$ tensor mesons. In particular, a consistent study of the spin-parity and helicity structure of these states will be discussed. In addition, the current status of the mass region above 2 GeV, including the $\kappa(2220)$, will be reviewed.

Wednesday 24 October

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

Signatures of lepton and quark substructure at future collider

by R. RUCKL / CERN

If leptons and quarks are composite on a distance scale Λ^{-1} their non-elementary nature will emerge clearly at energies larger than Λ . However, already at energies below Λ compositeness should become manifest in deviations from the standard model due to form factors, induced effective interactions and possibly, new 'light' states. I illustrate the sensitivity of a variety of processes in the TeV energy range to a new layer of substructure.

Wednesday 24 October

DD SEMINAR

at 16.00 hrs – DD Amphitheatre (bldg. 31, 3rd fl.)

Fault tolerant computers

by Johann-Christoph FREYTAG / Harvard University

Over the last decade fault tolerance has become an important aspect in computer systems. For example, banking systems, airline reservation systems, or airline navigation systems require a high degree of reliability. The goal of fault-tolerant computers is to make the user's computing environment reliable despite the failure of underlying computer components. The first part of the talk will outline general recovery strategies which are based on the undo/redo paradigm in database systems. The second part then introduces four commercially available fault tolerant computing systems. The frame, developed in the first part of the talk, is used to describe the different approaches of Tandem, Auragen, Stratus and Sequoia on how to recover user processes after a hardware component failure.

Monday 29 October

EF SEMINAR

at 11.00 hrs – EF Conference Room
(bldg. 13, 2-005)

Physics with relativistic ions

by C.W. FABJAN / CERN

During two brief periods in 1986 and 1987 oxygen ion beams with energies up to 3.2 TeV are scheduled for experimentation at the CERN-SPS. In collisions on heavy targets energy densities in hadronic matter might be achieved similar to those which existed in the early Universe. We will review some of the major physics issues and the experimental strategies devised to explore this new field of subnuclear physics.

TRAINING AND

EDUCATION

ENSEIGNEMENT

ENSEIGNEMENT GÉNÉRAL

Tél. 2844

Jeudi 25 octobre

de 13.00 h à 13.30 h – Amphithéâtre

Science pour tous

par R. CARRERAS

ACADEMIC TRAINING

Tél. 2844

23, 24, October

11.00 hrs to 12.30 hrs – Auditorium

The universe at $t \gtrsim 10^6$ years; galaxy formation, clustering, and the unseen mass

by M.J. REES / Institute of Astronomy,
Cambridge