

SEMINARS SEMINAIRES

Monday 1 March

ISR SEMINAR

at 14.30 hrs - ISR Auditorium
(Top floor of Building 30)
The SPS Performance with $p\bar{p}$
by L. Evans / SPS

Wednesday 3 March

THEORETICAL SEMINAR

at 14.00 hrs - Theory Conference Room
On the criterion for dynamical breaking of supersymmetry and applications
by L. Girardello / Univ. of Milan, Italy

Recently a necessary criterion for the dynamical breaking of supersymmetry, based on the vanishing of a certain index Δ has been suggested. We present a functional interpretation of this criterion. We give a functional integral representation of Δ and discuss its properties. A topological interpretation of Δ is proposed. As a further application of these ideas we show that the 't Hooft twisted functional integral is calculable in the supersymmetric $SU(N)$ group theories, provided one uses suitable boundary conditions on the fermions. The solution is consistent with confinement.

TECHNICAL PRESENTATION

at 14.30 hrs * - DD Auditorium
(Building 31, 3rd floor)
The new Siemens 7.890 line of computers
by Peter Wüsten / Siemens AG

Last November, Siemens announced 2 large scale computer systems, the Siemens 7.890 and 7.892. The monoproccessor 7.890 performs at a rate of 15 Mips. Its CPU is configured by only 12 MCCs (Multi-Chip-Carriers) mounted into a 50 cm cube called stack. All the inter-MCC connections are contained in two 12 layer printed circuit boards that constitute the stack side-walls. Thus, the MCCs are freed from wiring and their signal path lengths are outstandingly minimized.

The presentation with the following topics will give more information about these new mainframes :

- Siemens 7.890 - the Top of the Line System
- Extended Architecture
- Innovative Technology
- Special Properties
- Siemens Software Strategy

- Advanced Functions of the Operating System BS 3000
- Advanced Virtual Machine
- IBM-Compatibility.

* Please note special time : 14.30. The presentation will last 90 mins with 15 mins break after 1 hour.

Thursday 4 March

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium *
The SLAC Linear Collider Project
by B. Richter / SLAC

This talk will review the scaling laws of electron-positron colliding beam systems, new issues in accelerator physics raised by linear colliders, the design and status of the SLAC project, special physics opportunities with the SLC and prospects of the development of TeV colliders.

* 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 provided.

Thursday 11 March

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium
CESR and the physics of the b quark
by K. Berkelman / Cornell and CERN

FOR INFORMATION POUR INFORMATION

Vendredi 5 Mars

SEMINAIRE DU LAPP

à 10h30 - Amphithéâtre du LAPP

Laboratoire d'Annecy-le-Vieux de Physique des Particules, chemin de Bellevue, Annecy-le-Vieux, BP 909, (Haute-Savoie, France)

Phénoménologie des collisions photon-électron
par F. Renard / CNRS Montpellier et CERN

Renseignements complémentaires auprès de :
Ch. Baglin/CERN-EP, Tél. 4647, ou LAPP, Tél. (023) 23.32.45 - poste int.325.