

The IBM Token-ring products availability and capability will be presented. The following topics will be addressed:

- *summary of today's Token-ring configuration capabilities.*
- *hardware availability.*
- *software review.*
- *CERN TCP/IP implementation.*
- *questions and answers.*

J.C. Hostettler has been working since September 1983 at CERN within the SPS/LEP Acceleration Control Group as the coordinator between CERN and IBM laboratories involved in LAN development.

Monday 19 January

EP SEMINAR

at 16.30 hrs – Auditorium

The strong coupling constant and the electroweak mixing angle from measurements of the total hadronic cross-section in electron-positron annihilation at PEP and PETRA

Günther GRINDHAMMER / Max-Planck
Institut für Physik und Astrophysik, Munich

TRAINING AND EDUCATION ENSEIGNEMENT

ENSEIGNEMENT GENERAL

Tél. 2844

Jeudi 15 janvier

de 13.00 h à 13.30 h – Amphithéâtre

Science pour tous

par R. CARRERAS

ACADEMIC TRAINING

Tel. 2844-3364

1986-1987 ACADEMIC TRAINING PROGRAMME

2nd TERM

3, 4, 5, 6, 9, 10, 11 and 12 February

11.00 to 12.00 hrs – Auditorium

Physics with LEP and SLC

by F. RENARD / U.S.T.L., Montpellier,
G.B. CHADWICK / SLAC & CERN
F. DYDAK / CERN

18, 19 and 20 February

11.00 to 12.00 hrs – Auditorium

Physics of disordered systems

by M. VIRASORO / University of Rome

The total hadronic cross section in electron-positron annihilation is a good quantity to determine the strong coupling constant and the electroweak mixing angle. The problems of a precise measurement are discussed using the CELLO analysis as an example. A fitting procedure which takes the correlations between measurements into account is applied to the total hadronic cross-section data from PEP and PETRA to determine the two quantities. The obtained value of the electroweak mixing angle is 0.236 ± 0.020 , in good agreement with the world average. With this value, the fit gives the strong coupling constant (at 34 GeV collision energy) as 0.169 ± 0.025 .

Wednesday 21 January

PRESENTATION

at 09.30 hrs – DD Amphitheatre
bldg 31, 3-005

Unix-oriented products

Friday 23 January

CAS ACCELERATOR SEMINAR

at 14.30 hrs – Auditorium

TRISTAN – First operational results

by P. SUZUKI / KEK, Japan

12 and 13 March

11.00 to 12.00 hrs – Auditorium

QCD sum rules and hadronic duality

by E. de RAFAEL / CNRS Luminy, Marseille

18, 19 and 20 March

10.30 to 12.30 hrs – Auditorium

System software on high-performance workstations – Selected topics

by R. MARTY / University of Zurich

25, 26 et 27 mars

11.00 à 12.00 h – Amphithéâtre

Corrosion des métaux et procédés électro-chimiques de traitement de surfaces

par J. AUGUSTYNSKI / Université de Genève

(in French)

30 and 31 March

1 and 2 April

11.00 to 12.00 hrs – Auditorium

Introduction to signal and information theory

by F. de COULON / EPF, Lausanne

The abstract of the lectures, as well as any changes in the above details (dates, time, place, title, etc.) will be published in the CERN Bulletin and by Notices before each series of lectures.