

SEMINARS SEMINAIRES

Lundi 15 Juillet

PRESENTATION

at 14.00 hrs – Amphithéâtre DD (bât. 31, 3-005)

Comment acquérir la compétence nécessaire à la réalisation de systèmes experts

by C. KIREMIIDJIAN / Directeur technique,
NOESIS SA, Neuchâtel
J.-N. SPATENSTEIN / Professeur et
chercheur en mathématiques

Méthodologie et moyens fiables et efficaces pour la réalisation de systèmes experts : les différentes étapes et leurs difficultés, le choix d'une stratégie de réalisation, KIP environnement de construction de systèmes experts, la constitution d'une équipe compétente et efficace, le coût et l'amortissement d'un système expert, le coût de l'acquisition de la compétence.

Cet exposé sera suivi d'une discussion ouverte permettant d'aborder la solution de problèmes réels.

Monday 15 July

CAS ACCELERATOR SEMINAR

at 14.30 hrs – Auditorium

The SLAC Linear Collider

by John R. REES / SLAC

Monday 15 July

EP SEMINAR

at 16.30 hrs – Auditorium

Neutrino production of dimuons by CCFRR

by Wesley SMITH / Columbia University

Neutrino interactions with two muons in the final state have been studied using the Fermilab narrow band beam. A total of 437 muon neutrino and 31 muon antineutrino opposite sign dimuon events with muon momentum greater than 4 GeV/c are used to measure the strange quark content of the nucleon, the charm semileptonic branching ratio and their energy dependence. A sample of 18 like sign dimuon events gives a prompt yield of 6.9 ± 4.7 events. The kinematics of these events are compared with those of non-prompt sources.

Tuesday 16 July

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium*

Are there prompt like sign dimuon events in neutrino interactions?

by B. RENK / University of Dortmund

The analysis of new and more extensive like sign dimuon data measured with the CDHS detector exposed to the CERN neutrino beams will be presented. Particular attention will be given to the background subtraction.

* Tea and coffee will be provided at 16.00 hrs.

Wednesday 17 July

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

Quantized magnetic monopoles in unified theories : A lattice Monte Carlo study

by Mike TEPER / CERN

This talk will explore the extent to which one can get insights into the quantum physics of magnetic monopoles via computer simulation. I will investigate monopole stability when space-time is discretized, and what this tells us about monopoles in theories where the scalar fields are composite. We will see how to search for vacuum monopole condensates, and how such condensates are associated with symmetry restoration. I will then courageously take the theory into its high temperature symmetric phase and watch muon-antimuon formation during the symmetry breaking cooling.

Wednesday 17 July

DD SEMINAR

at 16.00 hrs – DD Auditorium (bldg. 31, 3-005)

An Ethernet monitoring station : architecture, implementation and experience

by Joseph S. SVEN TEK / Lawrence Berkeley Laboratory

Many organizations are beginning to exploit the increasing availability of devices which can communicate over Ethernet. As more devices are attached to the network, the ability to monitor the traffic becomes increasingly important. In addition to the normal use for fault isolation, the monitor can provide insights into topologies appropriate to the local traffic patterns. The raw data is also important in the validation of various models for network traffic.

The Distributed Systems Research Group at LBL has developed a general architecture for such monitoring stations. Implementations of the architecture have been done for both token ring and CSMA/CD networks. This talk will focus on the architecture of the monitoring station, specifics of its implementation for Ethernet, and our experience with using the station.

Tuesday 23 July

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

Towards a unified field theory of all interactions

by John H. SCHWARZ / California Institute of Technology, Pasadena

Summer Student Lectures

DATE	TIME	LECTURER	TITLE
<i>THIS WEEK</i>			
Mon. 15 July	08.30	W. Schlatter	Highlights in electron-positron physics (3)
	10.00	C. Fabjan	Electronics detectors, instrumentation and data acquisition (1)
	11.15	V. Telegdi	Introduction to the concepts of particle physics (4)
Tue. 16 July	08.30	W. Schlatter	Highlights in electron-positron physics (4)
	10.00	C. Fabjan	Electronics detectors, instrumentation and data acquisition (2)
	11.15	V. Telegdi	Introduction to the concepts of particle physics (5)
Wed. 17 July	08.30	P. Darriulat	The physics of antiproton-proton colliders
	10.00	C. Fabjan	Electronics detectors, instrumentation and data acquisition (3)
	11.15	V. Telegdi	Introduction to the concepts of particle physics (6)
Thur. 18 July	08.30	W. Bell	Electronics detectors, instrumentation and data acquisition (4)
	10.00	D. Burckhart	Electronics detectors, instrumentation and data acquisition (5)
	11.15	V. Telegdi	Introduction to the concepts of particle physics (7)
Fri. 19 July	08.30	D. Burckhart	Electronics detectors, instrumentation and data acquisition (6)
	10.00	A. Bogaerts	Electronics detectors, instrumentation and data acquisition (7)
	11.15	V. Telegdi	Introduction to the concepts of particle physics (8)
<i>NEXT WEEK</i>			
Mon. 22 July	08.30	—	
	10.00	W. Bell / A. Bogaerts / D. Burckhart / C. Fabjan	Electronics detectors, instrumentation and data acquisition (8) (Demonstration)
	11.15	—	
Tue. 23 July	08.30	—	
	10.00	—	
	11.15	V. Weisskopf	Introduction to the concepts of particle physics (9)
Wed. 24 July	08.30	—	
	10.00	—	
	11.15	V. Weisskopf	Introduction to the concepts of particle physics (10)
Thu. 25 July	08.30	—	
	10.00	—	
	11.15	V. Weisskopf	Introduction to the concepts of particle physics (11)

Fri. 26 July	08.30	—	
	10.00	—	
	11.15	V. Weisskopf	Introduction to the concepts of particle physics (12)

All lectures are given in English and are held in the Auditorium. Fellows and Associates Services (4471).

INFORMATIONS

GENERALES

GENERAL INFORMATION

A TOUS LES MEMBRES DU PERSONNEL
CONTRIBUABLES EN FRANCE

1% SOCIAL - RAPPEL

Afin de terminer les opérations de **remboursement** du '1% social' prélevé en France sur les revenus versés par le CERN en 1982 et 1983, ceux d'entre vous qui n'auraient pas encore demandé ce remboursement sont invités à le faire dans les meilleurs délais, et, en tout état de cause, **avant le 31 août 1985**.

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