

SEMINARS SEMINAIRES

Monday 15 September

EP SEMINAR

at 16.30 hrs – Auditorium

Prompt meson production at high transverse momentum

by O. VILLALOBOS-BAILLIE / Birmingham University

Experimental evidence for prompt production of meson states via higher twist QCD mechanisms is discussed. Results from the WA77 experiment which suggest prompt neutral-rho production are presented and compared with detailed QCD calculations.

Tuesday 16 September

SPECIAL PS SEMINAR

at 11.00 hrs – PS Auditorium
bldg 6, 2-024

Acceleration of polarized protons to 22 GeV/c

by Lazarus G. RATNER / AGS Dept,
Brookhaven National Laboratory

A brief description of the AGS polarized proton facility and the new hardware necessary to maintain and detect polarization during acceleration will be given. However, the main emphasis of the presentation will be on overcoming depolarizing resonances by the conventional techniques of fast tune jump and dipole corrections of vertical orbit misalignments. In addition, necessary modifications of the techniques will be shown, as well as some unexpected and as yet unexplained responses to corrections.

Tuesday 16 September

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium*

The sixth or seventh force

by A. DE RÚJULA / CERN

I elaborate on the laboratory, geophysical and astronomical limits on forces weaker than gravity. Under close inspection, the geophysical indications of a deviation from Newton's law turn out to be marginal. Barring local inhomogeneities, Eötvös' experiment was, by construction, insensitive to new 'short' range interactions such as the infamous 5th force. Yet, the correlation between Eötvös' measurements and baryon number has a ponderous 8-sigma significance. What could its origin be?

* Tea and coffee will be provided at 16.00 hrs.

Wednesday 17 and Thursday 18 September

WORKSHOP ON ACOL PLASMA LENS

PS Auditorium – bldg 6, 2-024

See page 5

Wednesday 17 September

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

High energy neutrinos from the sun and cold dark matter

by Keith OLIVE / University of Minnesota

If the dark matter in the Universe is composed of massive (greater than few GeV) non-relativistic, weakly interacting stable particles, then these particles will also be present (with a small abundance) in the Sun. Annihilations of dark matter in the Sun will yield a spectrum of high energy neutrinos (greater than 1 GeV) which may be detectable in proton-decay type detectors.

Wednesday 17 September

DD SEMINAR

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

EUROGRAPHICS '86

by Carlo VANDONI / CERN

Between 1974 and 1979, several initiatives were taken in Europe to form a group primarily for European technical experts interested in Computer Graphics. EUROGRAPHICS, the European Association for Computer Graphics, was formally constituted in Spring 1980. The seat of the Association is in Geneva. The EUROGRAPHICS Association supports, in the first place, intensive information exchange, cultivation of personal contacts and cooperation with interested groups of other organizations. The major annual event is the EUROGRAPHICS Conference and Exhibition, usually held at the end of August. After a brief presentation of EUROGRAPHICS and its activities, the speaker will report on the 1986 Conference in Lisbon, Portugal, 25-29 August 1986. A comparison with previous and other Conferences on Computer Graphics will be made and a brief video tape shown.

Thursday 18 September

TECHNICAL PRESENTATION

10.00 to 12.00 hrs and 14.00 to 16.00 hrs
bldg 17, 1-007

AEG-Telefunken (D) represented by ELEKTRON AG (CH) will present :

1. INTERMAS 19"-systems AEG

subracks, cabinets, casings, connectors, components for peripheral connections, power supplies, cooling systems.

2. *AEG Monitors*
high resolution, X-ray-tubes, solar panels.
3. *MIC modular industrial components system based on eurocard format and Motorola hardware.*
4. *Encoders*
linear, incremental, rota switch, micro-Lynx : the ultimate cursor control device.
5. *New Products*
digital LED displays, adapter cards, cases for Elektron component devices.

Languages : English, German
Information : M. Diraison / FI / 4585

Thursday 18 September

DD PRESENTATION

at 15.00 hrs – DD Auditorium
bldg 31, 3-005

VSB - VME Subsystem Bus

by Shlomo PRI-TAL and Doug KRAFT /
Motorola Microsystems, USA

The VME Subsystem Bus is the outcome of intensive design work by a Special Working Group of the IEC's Sub-Committee on Microprocessor Systems. It follows the rejection of the previous candidates for selection as standard sub-system bus : the VMX and the MVMX32 buses. The speakers are the co-authors of the VSB specification, which is well advanced in its passage through the IEC homologation procedure. They will briefly present the VSB and will discuss the details of its specification as well as giving a status report on the availability of integrated circuit support for the protocols. This presentation is an open session of the ESONE VMEbus Working Group meeting being held on 18 and 19 September at CERN.

Language : English
Information : C. ECK / DD / 4260.

Vendredi 19 septembre

PRESENTATION TECHNIQUE

de 09.30 à 12.00 h et de 14.00 à 16.00 h
bât. 73, 2-027

FONDEX SA (F), spécialiste en accessoires, transformateurs, pièces détachées pour l'électronique, découpage/emboutissage, décolletage, propose en exposition démonstration : accessoires de montage pour circuits coupés, accessoires pour circuits toriques, accessoires de montage pour circuits tôles découpées, accessoires pour circuits ferrites, connectique, fixations de circuits imprimés, connecteurs, boîtiers modulaires d'alimentation à découpage.

Langue : français
Renseignements : M. Diraison / FI / 4585

Lundi 22 septembre

PRESENTATION TECHNIQUE

de 09.00 à 12.00 h et de 13.30 à 16.30 h
bât. 61, 1er étage

Dans le cadre de la campagne SOUDAGE ET SECU-

RITE les matériels (ou informations) suivants seront présentés :

- *ARC MACHINES, Inc. (USA/CH)*
source de courant, têtes de soudage - soudage orbital de tuyaux, de tubes - système de soudage de tubes à plaques tubulaires - système de soudage contrôlé par microprocesseur - système de soudage par commande à distance (vidéo), pour environnement contaminé - instruments de soudage de tubes, barres obliques, raccords - système de soudage utilisable sur site pour échangeur de chaleur.
- *COMASEC (F)*
gants pour soudeur, lunettes, masques, tabliers, vêtements, guêtres.
- *EGLI, FISCHER & Co. AG (CH), KNÜRR AG (D)*
matériel de soudage pour l'électronique.
- *Ets GÉRIN SA (F)*
lunettes, casques, gants, vêtements, aspirateurs.
- *HULFTEGGER & Cie SA (CH)*
système de soudage à l'arc Elma-Anaslog 05 (programme individuels, système modulaire)
- *Schweissindustrie OERLIKON BÜHRLE AG (CH)*
accessoires de soudage, gants, casques, lunettes, tabliers, écrans, établis, aspirateurs.
- *UTP Schweissmaterial AG (CH)*
machines à souder électriques, à gaz, machines à couper plasma, aspirateurs de fumée.
- *UTP-Protection SA (CH)*
casques, gants, lunettes, souliers, tabliers.

Langues : allemand, anglais, français.
Renseignements : M. Diraison / FI / 4585

Tuesday 23 September

DD SEMINAR

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

A tool for building computer network architectures

by Imrich CHLAMTAC / Computer Science
Dept, Technion, Haifa, Israel

Wednesday 24 September

LEP SEMINAR

at 14.30 hrs – LEP Auditorium
bldg 30, 7th floor

The LEP radio-frequency fibre-optic transmission and fast synchronization systems

by J. SLADEN / CERN-LEP

Wednesday 24 September

CERN COMPUTER SEMINAR

at 16.00 hrs – Auditorium

Cray communications in the CERN environment

by Bryan T. KOCH / Networking and
Communications, Cray Research, Inc.

WORKSHOP ON ACOL PLASMA LENS

ON WEDNESDAY THE 17th AND THURSDAY THE 18th SEPTEMBER 1986

in the PS Auditorium, Building 6, 2nd floor

Agenda

Wednesday, 17th September

09.00	Welcome	R. Billinge
09.15	Introduction	H. Riege
09.30	Plasma Lens in the ACOL Project	B. Autin
10.00	Z-Pinch Physics and Plasma Lens Geometry	K. Frank
10.30	BREAK	
10.50	Z-Pinch Physics and Models	L. De Menna
11.20	Plasma Lens Experiments and Measurements	E. Boggasch

LUNCH

14.00	Discussion of Experimental Results	E. Boggasch
14.30	Plasma Lens Optimization from Magnetic Field Measurements	F. Dothan
15.15	Diagnostics for the Plasma Lens	A.E. Dangor
15.30	Three Wave Interferometer for the Measurements of Plasma Density	M. Dupont
15.50	Experimental Studies of the Current Penetration in a Dense Z-Pinch	M. Skowronek

Thursday, 18th September

08.30	Visit of Plasma Lens Installation	
10.15	BREAK	
10.30	Pulse Generator with Magnetic Switches for the ACOL Plasma Lens	G. Miano
11.00	Céramiques thermomécaniques: Caractéristiques, domaines d'application et exemple de réalisation	M. Minjolle

LUNCH

14.00	Implantation of a Plasma Lens in the ACOL Target Area	M. Lubrano di Scampamorte
14.20	Résumé of Plasma Lens R & D at CERN and Proposal for the Future	H. Riege
15.15	Conclusion Remarks	E. Jones