

SEMINARS SEMINAIRES

MONDAY 13 OCTOBER

PRESENTATION TECHNIQUE

de 09h00 à 16h00 - Salle 2-027 (Bât.73)

(El plan CERN Meyrin)

TEKTRONIX International AG (USA/CH) propose en démonstration : oscilloscopes 7854, 5223, 468, 465B44, 466, 214, 314, 305 (10 à 400 MHz, programmable à mémoire numérique, modulaire, portable) - analyseur logique orienté microprocesseurs, portable - testeurs de ligne - analyseur spectral portable - terminal - instruments en rack : générateur de fonction, d'impulsion, compteur/fréquence-mètre, multimètres numériques.

Languages : Anglais, français.

Renseignements : M. Diraison / FI / 4585.

EP SEMINAR

at 17.00 hrs - Auditorium

"Studies of events containing prompt p_T photons - Experiments R806 / R807 at the ISR"

by W. Molzon / CERN

Abstract : One of the principal goals of the AFS group (experiment R807 at the ISR) during its first year of running has been the study of events containing high p_T prompt photons, with the purpose of understanding their production mechanism. We have triggered on high p_T photons and π^0 s using the R806 liquid argon calorimeters and recorded charged tracks with good acceptance and resolution in our central drift chamber. In this talk we describe the apparatus and analysis, review the prompt photon measurement, and give preliminary results on the properties of events containing prompt photons. The data are compared with other experiments and theoretical predictions.

TUESDAY 14 OCTOBER

CERN COMPUTER SEMINAR

at 11.00 hrs - Council Chamber

"Designing Industrial Systems in CAMAC"

by J.G. Gander/Borer Electronics, AG, Solothurn

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium *)

"New flavour production by hadron, γ , μ and ν beams"

by S. Wojcicki / Stanford and CERN

Abstract : A slightly revised rapporteur talk given at the Madison Conference on the subject of new flavour production in all interactions except e^+e^- annihilations. The emphasis will be on new results and their bearing on various production mechanisms. Both bound and unbound new flavour production will be discussed.

*) Note : 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 will be provided.

WEDNESDAY 15 OCTOBER

ISR COMMITTEE

- Open Session

at 09.30 hrs - Council Chamber

1. Information from the Research Director-General.
2. Requested extension of experiment R608. spokesman P. Schlein.
3. Preliminary tests of R703T - UA5 at the ISR, spokesman J. Rushbrooke.

- Closed Session

at 11.00 hrs - A + C Conference Room

ISOLDE SEMINAR

at 10.30 hrs - SC Conference Room (26/1-025)

"Muon induced fission"

by S. Polikanov / CERN

THEORETICAL SEMINAR

at 14.00 hrs - Theory Conference Room

"The fermion spectrum according to grand unified theories"

by D.V. Nanopoulos / CERN

Abstract : Properties of the fermion spectrum, including masses, charges, helicities, representation content, etc., will be analysed in the framework of GUTs. A new mechanism for 'light' fermion mass generation through radiative corrections involving superheavy particles will be presented. Some amusing cosmological consequences of superheavy fermions, present in many grand unified models will be discussed.

THURSDAY 16 OCTOBER

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium *)

"Results from the WA3 experiment on diffractive production of $K\pi\pi$ and $K\omega$ states"

by M. Cerrada / CERN

Abstract : Nearly 200 000 events of the diffractive process $K^-p \rightarrow K^- \pi^+ \pi^- p$ and 2000 events of the reaction $K^-p \rightarrow K^- \omega p$ at 63 GeV/c have been analysed. The data confirm the existence of two $J^P = 1^+ \text{ } Q$ mesons and improved values for their masses, widths and branching ratios are given. Strong evidence for the existence of a broad $J^P = 0^-$ resonance at about 1.46 GeV is also presented. At higher masses the structure of the $J^P = 2^-$ partial waves established the existence of at least one L meson. These data complement the data on diffractive 3π production obtained with the same spectrometer. In the light of this and other recent experiments the status of the two 1^+ nonets expected in the quark model is discussed.

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MONDAY 20 OCTOBER

EP SEMINAR

at 17.00 hrs - Auditorium

"Results on baryon and meson spectroscopy
from a large K⁻p bubble chamber experiment"

by A.J. Burns / CERN

TUESDAY 21 OCTOBER

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

"Does the neutrino have a non-zero rest
mass? (ITEP experiment for measurement of
the shape of the tritium beta spectrum.)"

by V.A. Lyubimov / ITEP-Moscow

WEDNESDAY 22 OCTOBER

DD SEMINAR

at 16.00 hrs - DD Auditorium
(Bldg.31 - 3rd floor)

"MICE, a fast user-friendly processor for
real-time event filtering"

by J. Joosten

THURSDAY 23 OCTOBER

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

"μSR at CERN"

by E. Karlsson / CERN

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POUR INFORMATION / FOR INFORMATION

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VENDREDI 17 OCTOBRE

SEMINAIRE DU LAPP

à 10h30 - Amphithéâtre du LAPP

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

"Exposé de vulgarisation sur les théories
de jauge sur réseau"

par A. Krzwicki / LAL, Orsay

Renseignements complémentaires auprès de :

H. Pessard / CERN/EP, Tél. 6526 ou Laboratoire
d'Annecy-le-Vieux, Tél. (023) 23.32.45, int.327.

RENSEIGNEMENTS PRATIQUES USEFUL INFORMATION

	Telephone
Groupe Transports/SB (Circuit-Horaires-Navettes)	
SB Transport Group (routes, time-tables, buses)	2202/2240
Poste contrôle Tunnel sous CD84 Tunnel checkpoint under CD84	5612
Poste contrôle SPS SPS checkpoint	5613
Service Navettes-radio :	
- Au départ du SPS pour ensemble Site	6969
- Pour Foyer Hotel de St-Genis	
. Pendant les heures de travail	6969
. En dehors de ces heures	4444
Radio-controlled vehicle service	
- Leaving the SPS for the whole of the Site	6969
- For the St. Genis hostel	
. during official working hours	6969
. outside working hours	4444



CERN

ORGANISATION EUROPÉENNE
POUR LA RECHERCHE NUCLÉAIRE
EUROPEAN ORGANIZATION
FOR NUCLEAR RESEARCH

CIRCUIT DES NAVETTES

(Horaire d'hiver)

entre les Sites
de Meyrin et Prévessin

BUS SERVICE

(Winter time-table)

between the
Meyrin and Prevessin Sites

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