

SEMINARS SEMINAIRES

MONDAY 7 NOVEMBER

EP SEMINAR

at 16.30 hrs(*) - EF Conference Room
(Lab.13-2-005)

"Quantum number correlations and hard
scattering parton models"

by W. Hofmann / CERN

(*) : Please note the change of time

*Abstract : The production of particles of high
transverse momentum in pp-interactions is usually
described in the framework of hard scattering
parton models. Quantum number correlations pro-
vide a powerful tool for the identification of
the different subprocesses involved. As a first
approach, recent data on charge correlations,
obtained by the ACCKHW Collaboration, are dis-
cussed.*

ISR SEMINAR

at 14.30 hrs - ISR Auditorium
(top floor of Building 30)

"Cryogenic aspects of the superconducting
low-beta insertion"

by P. Lebrun / ISR

CERN NUCLEAR PHYSICS SEMINAR

at 16.00 hrs - Theory Conference Room

"Highlights of the Tokyo Conference on
nuclear structure"

by T.E.O. Ericson / CERN

TUESDAY 8 NOVEMBER

PRESENTATION TECHNIQUE

de 09h30 à 12h00

Salle de conférence EF (Bât.13 - R2-005)

AUGAT Inc.(USA), représenté par DEWALD SA (CH)
commente et démontre sa technique HOLTITE (CH) :
nouvelle formule de contacts enfichables sur
circuits imprimés. Objectifs : supprimer la
place et le coût du socle, éliminer la soudure
que nécessitait cette utilisation.

Langues : anglais (questions: allemand, français)

Renseignements : M. Diraison / FI / 4585

MERCREDI 9 NOVEMBRE

PRESENTATION TECHNIQUE

de 09h00 à 16h30 - Salle de conférence
(R1-007 - Bât.17)

La maison NASHUA (USA/I), représentée par
René FAIGLE SA (CH), expose des photocopieurs
à papier normal : 1220-S, automate à copier des
feuilles et des livres; 1220-DF id., mais équipé
d'un dispositif d'introduction d'originaux;
1240, pour copie A4 et A3.

Langues : allemand, anglais, français.

Renseignements : M. Diraison / FI / 4585

WEDNESDAY 9 NOVEMBER

ISR COMMITTEE

at 09.30 hrs - 6th floor Conference Room
(Administration Building)

Closed Session

(There will be no Open Session.)

THEORETICAL SEMINAR

at 14.00 hrs - Theory Conference Room

"Unified superconformal gauge theories"

by P. Freund / Enrico Fermi Institute,
Chicago

*Abstract : Gauge theories of the conformal
supergroups $SU(2,2/N)$, exhibiting internal
 $U(N)$ symmetry, are constructed. The possibility
of higher compactified (Bose-) dimensions of
space-time is reconsidered in this context.*

THURSDAY 10 NOVEMBER

TECHNICAL PRESENTATION

09.30 hrs / 12.00 hrs - 14.00 hrs / 16.00 hrs
EF Conference Room (R2-005 - Bldg.13)

MOTOROLA Seminar : "M 10800 high performance
MECL LSI processor family" - In recent years,
the design of equipment requiring digital com-
puting capabilities has taken a new direction.
Typically, the computer functions were imple-
mented by means of small-scale and medium-
scale integrated (SSI, MSI) logic circuits, in
standard and custom forms. Today, an expanding
array of LSI circuits, in MOS and bipolar tech-
nologies, is available to implement the functions.
Many of these LSI devices are programmable, and,
as a result, offer the designer a rapid and fle-
xible means of achieving a custom circuit confi-
guration while retaining the economies associated
with mass-produced components and modules. Appli-
cations range from data processing/communications
systems and controllers to consumer end-items.
For applications such as minicomputers, communi-
cations processors, numerical and industrial
process controllers, main-frame computers and
real-time analysis instrumentation, Motorola
offers the M 10800 LSI Processor Family. Compa-
tible with Motorola's MECL 10,000 logic and
memory devices, the M 10800 components form a
microprogrammable bit-slice processor.

MC 10800 : 4-Bit Alu Slice / MC 10801 : Micro-program Control Function / MC 10802 : Timing Function / MC 10803 : Memory Interface Function / MC 10804 : 4-Bit Bus Translator Function / MC 10805 : 5-Bit Bus Translator Function / MC 10806 : Dual Address Register / MC 10807 : 5-Bit Bus Transceiver Function / MC 10808 : Multibit Shifter Function.

Language : English

Information : M. Diraison / FI / 4585

MONDAY 14 NOVEMBER

EP SEMINAR

at 11.00 hrs - EF Conference Room
(Lab.13-2-005)

"Hadron production by leptons"

by Dr. L.M. Sehgal / III.Physikalisches Institut, Aachen

CERN NUCLEAR PHYSICS SEMINAR

at 16.00 hrs - Theory Conference Room

"What became of the superheavy elements"

by S.G. Nilsson / CERN and Univ. of Lund, Sweden

TUESDAY 15 NOVEMBER

CERN COLLOQUIUM

at 16.30 hrs - Auditorium

"Entropy and life : what we have learned in the 100 years since Boltzmann's famous $S = k \ln W$ "

by D. Flamm / Univ. of Vienna

THURSDAY 17 NOVEMBER

ESO ASTROPHYSICS SEMINAR

at 11.30 hrs - DD Conference Room
(Bldg.31 - 3rd floor)

"Optical study of the thermal plasma contained in the Jupiter magnetosphere"

by Guido Münch / MPI-Astronomy - Heidelberg

TRAINING AND EDUCATION ENSEIGNEMENT

(Secrétariat : Tel. 2844)

JEUDI 10 NOVEMBRE

ENSEIGNEMENT GENERAL

de 13h00 à 13h30 - Amphithéâtre

"Science pour Tous", par R. Carreras

Thème principal : "La bombe à neutrons".

NOVEMBER 7, 8, 9, 10 and 11

ACADEMIC TRAINING

at 11.00 hrs - Auditorium

"Inelastic lepton-nucleon scattering"

by D.H. Perkins / Univ. of Oxford

Abstract : The lectures are intended for physicists without specialized knowledge in the field of lepton-nucleon scattering.

The series will begin with an introduction to Bjorken scaling and the 'naive parton model' describing nucleon structure. Results from lepton-nucleon scattering and from electron-positron collisions are discussed, together with their implications for the identification of partons with (quasi-free) quarks (and gluons).

The cross-sections for electron, muon and neutrino scattering will then be discussed in terms of the so-called 'standard quark model' with charm, and its manifestations (for example, dilepton events in neutrino interactions). Finally, the evidence is summarized for the deviations from exact Bjorken scaling in lepton scattering and a discussion given of these results in terms of interactions between the quark constituents.

INFORMATIONS

GENERALES

GENERAL INFORMATION

AUX MEMBRES FRANCAIS DU PERSONNEL

La Mission permanente de la France auprès de l'Office des Nations Unies nous prie de bien vouloir informer les membres français du personnel des manifestations organisées par le Comité de l'Union des Sociétés françaises de Genève, à l'occasion de la commémoration des Armistices des guerres de 1914-1918 et 1939-1945 :

Le dimanche 13 novembre :

- a) 12h30, dépôt de couronnes au Monument aux Morts érigé rue Sénébier;
- b) 16h00, Office célébré en la Basilique Notre-Dame.

Le dimanche 13 novembre, à 13 heures, un repas sera organisé au Buffet de la gare Cornavin par le Groupement des Associations d'Anciens Combattants.

Division du Personnel

ON RECHERCHE ...

La personne ayant commandé à la maison SIEMENS à Furth les livres suivants :

- 1 Einführung in die Elektronische Regelungstechnik,
- 1 Technische Regelstreckenglieder bei Gleichstromantrieben,
- 5 "Thyristor-Handbuch"

est priée de prendre contact avec Mr. Schellenberg, tél. 4583.