

SEMINARS SEMINAIRES

MONDAY 12 SEPTEMBER

EP SEMINAR

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

"Photo-detector matrices for Čerenkov
image detection"

by A. Maurer / CERN

*Abstract : The micro channels M.P.M. 5 x 5 and
the ½" R 760 photomultiplier were studied for
their utilization in matrices detecting single
photons.*

TUESDAY 13 SEPTEMBER

CERN PARTICLE PHYSICS SEMINAR

at 16.00 hrs - Auditorium

"Recent results from the magnetic detector
at SPEAR"

by A. Barbaro-Galtieri / Berkeley

WEDNESDAY 14 SEPTEMBER

THEORETICAL SEMINAR

at 14.00 hrs - Theory Conference Room

"Confined quarks and analyticity"

by R. Brower / UC Santa Cruz

*Abstract : It will be argued that confinement
introduces new singularities in quark-hadron
amplitudes which are crucial for the parton
model description of physical processes and
the analytic structure of hadron or colour
singlet current amplitudes. These arrangements
will be supported by explicit results in $d =$
 2 QCD. In particular the inclusive cross-section
for $e^+e^- \rightarrow hX$ is not given by the naive parton
model with point-like photon coupling. Instead
the hadronic spectrum in q^2 is accounted for in
terms of the new confinement singularities at
 $\chi_F = 1 - m_X^2/g^2 = 1$. Violations of dimensional
counting rules (as $\chi_F \rightarrow 1$) are also expected
to persist in (non-perturbative) calculations
for $d = 4$ QCD.*

WORKSHOP ON FUTURE ISR PHYSICS

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Second Session, CERN September 14 - 21

The Second Session of the ISR Workshop will be
held at CERN from 14 to 21 September. It will
include a set of plenary sessions which should
provide an up-to-date and detailed review of
physics at ISR energies, and assess the physics
potential of antiprotons, as available from
Cooling. It will also include a set of parallel
sessions on specialized topics during which
options for the future will be debated.

While the parallel sessions will be organized
as closed sessions for the participants only,
the plenary sessions are open. They will take
place in the ISR Auditorium on 14, 15, 16, 17
and 19 September, starting at 9.00 a.m. Topics
under discussion will be :

- "Physics with antiprotons at the ISR"
Wednesday 14 September
- "Large p_T reactions"
Thursday 15 September
- "Lepton pair production"
Friday 16 September
- "New machine developments"
(in particular approaches to Cooling)
Saturday 17 September
- "Large cross-section reactions (lens physics)"
Monday 19 September.

The plenary sessions will be organized in the
general style of the ISR discussion meetings.
They will cover recent results at the ISR and
at Fermilab.

Special session on Wednesday 21 September.

This session will also be an open session of
the ISRC. It will meet in the CERN Auditorium
at 10.00 a.m. The conveners will report on
conclusions reached during the parallel sessions,
where future options will have been debated.
There will be four reports (about 45 min., and
15 min. discussion).

- C. Rubbia Physics with antiprotons
 at the ISR
- G. Flügge Large p_T reactions
- G. Bellettini lens physics
- W. Willis Lepton pair production.

The session will start with a talk by
M. Gell-Mann

"Present trends in theory of hadrons".

The secretary of the workshop is M. Jacob. A
more detailed programme is available from
Ch. Redman / ISR.

THURSDAY 15 SEPTEMBER

CERN COLLOQUIUM

at 16.00 hrs - Auditorium

"About liquids"

by V.F. Weisskopf / MIT and CERN

FRIDAY 16 SEPTEMBER

PRESENTATION TECHNIQUE - COMPTEURS SCHLUMBERGER

de 8h00 à 12h00 - Camion de démonstration
(devant hall de montage SPS - Site France)

La Division INSTRUMENTS ET SYSTEMES de COMPTEURS
SCHLUMBERGER vous invite à visiter son camion
de démonstration comprenant l'ensemble de la
gamme de ses productions, et plus particuliè-
rement les nouveautés suivantes :

- oscilloscope compact à mémoire 5273
(persistance variable) 75 MHz - 500 cm/μs -
perturbographe; - oscilloscopes à tiroir série
5500; - générateur de fonction 4415;
- centralisateur de mesure compact à micro-
processeur 3430; - voltmètres Systèmes cal-
culateurs à microprocesseur modèles 7055 et
7065 (sous réserve); - fréquencesmètres
Systèmes à microprocesseur 120 / 520 / 1200 MHz
Série 2710.

Langues : français, allemand.

Renseignements : H. Bersinger / SPS / Tél.5195

MONDAY 19 SEPTEMBER

CERN NUCLEAR PHYSICS SEMINAR

at 16.00 hrs - Theory Conference Room

"Mesomolecular processes in hydrogen isotope mixtures"

by L.I. Ponomarev / JINR

TUESDAY 20 SEPTEMBER

CERN COMPUTER SEMINAR

at 14.00 hrs - Council Chamber

"System R - Relational approach to database management"

by W.F. King / IBM, San José, California

FRIDAY 23 SEPTEMBER

CERN COMPUTER SEMINAR

at 14.00 hrs - Council Chamber

"Optimal utilization of supercomputers"

by J.M. Levesque / Computer Science Dept.,
R. & D. Associates, California

TRAINING AND

EDUCATION

ENSEIGNEMENT

ENSEIGNEMENT GENERAL 1977-1978

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1er trimestre : "SCIENCE POUR TOUS"
par R. Carreras

Jeudis	de 13h00 à 13h30
29 septembre	Amphithéâtre
6, 13, 20 & 27 octobre	
3, 10, 17 & 24 novembre	
1 & 8 décembre	

Cycle d'exposés destinés plus particulièrement
aux personnes n'ayant pas de formation scientifique.

Service de l'Enseignement /
Secrétariat : Tél. 2844

OBJETS TROUVES EN AOUT 1977

A réclamer au Service de sécurité

- Le 2.8.77, une montre de dame trouvée au Magasin Bois/fer
- Le 2.8.77, une paire de lunettes de soleil trouvée R-022, Bât.61,
- Le 3.8.77, 2 bouteilles de vin trouvées devant le Bâtiment de l'Administration,
- Le 9.8.77, une paire de gants de dame trouvée à la Réception,
- Le 10.8.77, une somme d'argent trouvée parking Bât.513,
- Le 10.8.77, une paire de lunettes trouvée toilettes Bât.577,
- Le 12.8.77, un masque de plongée enfant trouvé sur le site,
- Le 16.8.77, une paire de lunettes de soleil trouvée restaurant No.1,
- Le 18.8.77, une somme d'argent français trouvée Rest. No.2,
- Le 19.8.77, une carte Bancomat trouvée au Bâtiment de l'Administration,
- Le 23.8.77, un étui avec 4 clefs trouvé Bât.4, rez-de-chaussée,
- Le 25.8.77, une paire de lunettes de soleil trouvée Bibliothèque PS,
- Le 26.8.77, un porte-document et un ciré jaune trouvés Bât.1.