

SEMINARS SEMINAIRES

MONDAY 20 JULY

ISR SEMINAR

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

"Some Implications for LEP of the Beam-
Beam Interaction"

by R. Talman / CERN-Cornell

EP SEMINAR

at 17.00 hrs - Auditorium

"Hadron-Nucleus Interactions at High
Energies"

by K. Braune / MPI, Heidelberg

Abstract : In an experiment at the CERN SPS we measured particle production from nuclei for incoming π^- , K and p at momenta between 50 and 150 GeV/c. The detector, consisting of scintillation and lucite Čerenkov counters, distinguishes between fast particles (mainly produced pions) and slow particles (mainly recoil nucleons), with a cut at velocity $\beta \sim 0.7$. Angular and multiplicity distributions of fast and slow particles were analysed. The number of slow particles is a measure of the number of collisions of the projectile in the nucleus.

TUESDAY 21 JULY

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium *)

"Hard Scattering of Hadrons"
(Rapporteur Talk given at the EPS
Conference, Lisbon)

by H.G. Fischer / CERN

Abstract : The experimental situation in hard hadronic interactions will be discussed and confronted with our hopes to learn from it about constituent scattering and quark, diquark and gluon fragmentation mechanisms. Emphasis will be on recent 'jet' trigger experiments and new results from single particles at large transverse momentum.

*) 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 22 JULY

THEORETICAL SEMINAR

at 14.00 hrs - Theory Conference Room

"Metric From Matter"

by D. Amati / CERN

Abstract : A general relativistic invariant theory with only fermions (no metric) is proposed. For energies $E \ll \Lambda$ (Λ being a spontaneously generated scale to be identified with the Planck mass), the theory produces a metric and in terms of it an Einstein phenomenological action with a vanishing cosmological term and a relation between the electric and gravitational couplings. For $E \sim \Lambda$, the theory departs from usual gravitation allowing the hope for better ultra-violet behaviour.

TRAINING AND EDUCATION ENSEIGNEMENT

JEUDI 23 JUILLET

ENSEIGNEMENT GENERAL

13h/13h30 - Amphithéâtre

"Science pour Tous"

par R. Carreras

SUMMER STUDENT LECTURES

<u>Date</u>	<u>Time</u>	<u>Title</u>
-------------	-------------	--------------

This week :

20.7 - 8.30

-

10.00

F. Bourgeois - "Electronic detectors and nuclear instrumentation" (4)

11.15

V.F. Weisskopf - "Particles and symmetries" (1)

21.7 - 8.30

F. Bourgeois - "Electronic detectors and nuclear instrumentation" (5)

10.00

J. Petersen - "Electronic detectors and nuclear instrumentation" (6)

11.15

V.F. Weisskopf - "Particles and symmetries" (2)