

SEMINARS SEMINAIRES

WEDNESDAY 9 APRIL

THEORETICAL SEMINAR

at 14.00 hrs - Theory Conference Room

"A Technicolour Model"

by P. Sikivie / CERN-TH

Abstract : Using the mechanisms of technicolour, extended technicolour and 'tumbling', one may hope to rid the standard $SU_L(2) \times U(1) \times SU_C(3)$ gauge theory of its elementary Higgs scalar and its arbitrary Yukawa couplings. A particular model is presented which shows how this can be done.

DD SEMINAR

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

"UNINETT - The joint inter-university network in Norway"

by A. Jansen / EDP Centre, Univ. of Oslo

Abstract : UNINETT is a joint network project, conducted by the Norwegian Universities, the Telecommunication Administration, three major research institutions, and some computer manufacturers whose primary aims have been to specify and establish common network functions and services. These functions are based upon the packet switching protocol X.25, which now has been accepted by CCITT. The presentation will sketch the history of the project and give some general outlines of the technical problems and solutions. The seminar will present some of the experienced gained, from a technical as well as a management point of view. It will conclude by raising the very outstanding questions : what impact will this project have on the future EDP-planning in Norway, what will the influence be of these new services and the further cooperation between the Universities ?

THURSDAY 10 APRIL

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium (*)

"Evidence of the Same Multiparticle Production Mechanism in p-p Collisions as in e^+e^- Annihilation"

(CERN-Bologna-Frascati Collaboration)

by A. Zichichi / CERN

Abstract : The Split-Field Magnet spectrometer at the CERN Intersecting Storage Rings was used to measure, in p-p collisions at $\sqrt{s} = 62$ GeV, the inclusive momentum distribution of the charged particles produced in the same hemisphere of the leading proton ($x > 0.4$). A new scaling variable was introduced in order to take into account baryonic number conservation effects in p-p interactions. It is shown that distributions in this variable are in good agreement with the momentum

distribution of the hadrons produced in e^+e^- annihilation. The results suggest that the multi-particle production mechanism in p-p collisions is the same as in e^+e^- provided that the effects of baryon-number conservation are removed.

(*) 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.

TUESDAY 15 APRIL

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

"Experiments with the ^{12}C beam"

by U. Lynen / Max-Planck Inst., Heidelberg

TRAINING AND EDUCATION ENSEIGNEMENT

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May 28, 29 and 30

11.00 hrs - Auditorium

"Correlations between high energy physics and cosmology"

by G. Cocconi / CERN

June 10 and 13

11.00 hrs - Auditorium

"Program optimisation in a FORTRAN environment"

by M. Metcalf / CERN

June 17, 18, 20 and 23

11.00 hrs - Auditorium

"Physics with electron-positron colliding beams"

by B. Wiik / DESY - Hamburg

June 26 and 27

11.00 hrs - Auditorium

"Dimuon production in hadron-hadron collisions at SPS"

by A. Micheli / CERN

Additional information (abstract, etc.) will be announced in the Bulletin and on noticeboards about two weeks before each series of lectures.