

SEMINARS SEMINAIRES

MONDAY 14 JULY

EP SEMINAR

at 17.00 hrs - Auditorium

"Charm production by 280 GeV muon interactions"

by T. Sloan / Univ. of Lancaster

Abstract : Interactions of 280 GeV μ^+ with iron have been studied in which two and three muons are produced in the final state. Evidence is presented that these signals are due to the production of charm by virtual photons. The data are compared with the predictions of various models, the most successful of which is the photon gluon fusion model which is calculated using QCD. The possibility of using these data to study the gluon content of the nucleon is discussed.

TUESDAY 15 JULY

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium (*)

"Determination of the strong coupling constant α_s in e^+e^- annihilations"

by T. Meyer / Wisconsin/DESY

Abstract : Data taken with the TASSO detector at PETRA has been analysed to determine the strong coupling constant α_s from three-jet production at 30 GeV CM energy. Jet properties of the hadronic final states are compared to QCD model predictions.

(*) 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 16 JULY

THEORETICAL SEMINAR

at 14.00 hrs - Theory Conference Room

"Production of Magnetic Monopoles in the Very Early Universe in Grand Unified Theories"

by M.B. Einhorn / NORDITA and Univ. of Michigan

Abstract : Magnetic monopoles exist in all grand unified theories. Theoretical estimates of monopole production in a second-order phase transition suggest that they would have been produced rather copiously in the symmetry breaking at the unification mass scale. This presents cosmological difficulties for grand unification. Some alternatives for resolving this problem will be reviewed, and a description of the scenario of the first-order phase transition will be presented.

MONDAY 21 JULY

EP SEMINAR

at 17.00 hrs - Auditorium

"Some Recent Results from the BCDMS Collaboration"

by M. Goossens / CERN

INFORMATIONS

GENERALES

GENERAL INFORMATION

ON RECHERCHE

La personne qui a emprunté le Gaussmètre type "BELL 615" est priée de le rendre au bâtiment 21/1-013.

LOOKING FOR

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D. Lehm / EP - Tel.4452/*868

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SIGNALÉS CES
DERNIERS TEMPS.**