SEMINARIO
Departamentos de Física Teórica I y II
Universidad Complutense de Madrid

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TITULO: The properties of the Quark-Gluon-Plasma@LHC revealed by ALICE

LUGAR: FACULTAD DE CIENCIAS FÍSICAS UCM
DÍA: 06 de marzo, 2014 (Jueves)
HORA: 14:30
AULA: Seminario Depto. Física Teórica I, Planta 3ª

ABSTRACT

ALICE (A Large Hadron Collider Experiment) at the CERN LHC (Large Hadron Collider) aims at a detailled study of the new state of matter, the Quark-Gluon Plasma (QGP), predicted by Quantum Chromodynamics under the extreme temperature and energy density conditions reached in high energy heavy-ion collisions. ALICE has been successfully running for the last three years. Data from pp collisions have been collected at different centre of mass energies, 0.9, 2.76, 7 TeV and 8 TeV, from Pb-Pb collisions at 2.76 TeV per nucleon and from p-Pb collisions at 5.02 TeV per nucleon. A selection of the results obtained by ALICE in p-p, Pb-Pb and p-Pb collisions will be presented.