



ΓΕΝΙΚΟ ΣΕΜΙΝΑΡΙΟ ΤΜΗΜΑΤΟΣ ΦΥΣΙΚΗΣ

PHYSICS COLLOQUIUM

Thursday, 26 November 2009
17:00-18:00

3rd Floor Seminar Room

“Dark Matter in the Universe: Direct Detection”

Gilles Gerbier
Centre d'Etudes de Saclay, France

Abstract

After reminding the overall issues of Dark Matter in our current understanding of the universe, the different fields which could bring information on nature and identification of Dark Matter under the form of particles will be summarised : direct detection, indirect detection of WIMP's, SUSY LSP identification at LHC. Present results of Edelweiss, a direct detection experiment performed at the Frejus underground laboratory (LSM), by a european collaboration, will be presented and compared to other direct detection search.