



LUND UNIVERSITY

COLLOQUIUM IN THEORETICAL
PHYSICS–HIGH ENERGY PHYSICS

Dark Matter - A Status Report

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Wednesday 24 October 2012 Lecture Hall F 15.15

Abstract

There are several ongoing efforts to detect signatures of dark matter and thereby hopefully determine its particle properties. In particular, three methods: Searches at the LHC, direct detection experiments, and more recently indirect detection experiments such as Fermi and IceCube, now have the sensitivity to find dark matter, or at least rule out large regions of parameter space of proposed models. I will briefly review where we stand at present, and discuss some particularly interesting directions where I think the field is going. Some recent claims of dark matter signals will also be discussed.

WELCOME

Johan Bijnens – Bernhard Meirose