

Department of Theoretical Physics

Free Meson Seminar

<i>Speaker</i>	:	R. Srikanth (Univ. of Hawaii)
<i>Topic</i>	:	Issues in supersymmetry and dark matter
<i>Day, Date & Time</i>	:	Thursday, August 28, 2008 at 2:30 p.m.
<i>Place</i>	:	AG 69

Abstract

The minimal supersymmetric standard model suffers from μ problem and stability of proton. We are addressing these problems in a supergravity framework. Moreover, we are relating these two different problems with neutrino mass problem. In another work, we are analyzing dark matter related things in a Z_2 extension of the standard model. In this particular model, we have fitted the WMAP data with a scalar dark matter particle. We have analyzed indirect detection of this scalar dark matter particle like invisible Higgs decay and cosmic photon flux.

(Saumen Datta)