Area Seminar

Title	Analysis of the scalar potentials of "B-L" extended models
Date and Time	11/07/2013 16:00:00
Speaker	Tanmoy Mondal Senior Research Fellow PRL, Ahmedabad
Area	Theoretical Physics
Venue	Room No. 469
Abstract	The knowledge and informations related to the Standard Model (SM) Higgs mass are very crucial to understand the physics beyond it. SM-like Higgs boson, having mass in the range 123-127 GeV, squeezes the beyond standard model parameters. In recent LHC era many TeV scale neutrino mass models have earned much attention as they pose many interesting phenomenological aspects. We have considered "B-L" extended models which are theoretically well motivated and phenomenologically interesting and successfully explain neutrino mass generation. I will discuss the vacuum stability criteria for different models and how it can constrain the parameters of such models.