

Area Seminar

Title	SUSY Dark Matter in the light of cosmic ray experiments.
Date and Time	13/07/2010 16:00:00
Speaker	Soumya Rao
	PRL, Ahmedabad
Area	Theoretical Physics
Venue	Room no. 469
Abstract	<p>We study a supersymmetric model for Dark Matter (DM) which explains the PAMELA positron and antiproton fluxes. We consider Sommerfeld enhancement to be the source for the boost factor required in the cross section to explain the PAMELA result. We also consider the possibility of obtaining the correct relic density using a Sommerfeld enhancement factor, thus having a consistent theory which obeys constraints from relic density as well as indirect detection of DM.</p>