

Area Seminar

Title	Study of Sources in very High Energy Regime Using Ground Based Gamma-ray and Neutrino Telescopes
Date and Time	06/02/2013 16:00:00
Speaker	Dr. Debanjan Bose
	Saha Institute of Nuclear Physics Kolkata
Area	Theoretical Physics
Venue	Room No. 469
Abstract	<p>In this presentation I will talk about sources like pulsars, AGN and GRBs in very high energy regime. At these energies we study non-thermal Universe. From observations we know that relativistic effects are taking place inside these objects. These sources emit high energy gamma-rays and are also expected to emit neutrinos. I will explain detection principle of gamma-rays and neutrinos with earth based detectors. I will also discuss some important observations for the above mentioned sources with ground based Cherenkov telescopes and IceCube neutrino observatory. Finally, I will briefly talk about neutrino point source analysis following Bayesian statistics.</p>