

Area Seminar

Title	Probing anomalous VZH interactions at ILC with polarized beams.
Date and Time	25/06/2010 16:00:00
Speaker	Pankaj Sharma Post Docterate Physical Research Laboratory, Ahmedabad
Area	Theoretical Physics
Venue	Room No. 469
Abstract	<p>In this talk, I will talk about how International Linear Collider (ILC) can be utilized to its full potential using polarization (longitudinal or transverse) of both electron and positron beams, which are expected to be available at the ILC, to probe anomalous VZH couplings, where V is electroweak neutral gauge bosons i.e., Z or photon, in the process $e^+ e^- \rightarrow HZ$. I will discuss the sensitivity of simple observables like forward backward asymmetry, azimuthal asymmetries and cross sections to these anomalous couplings using various combinations of beam polarizations.</p>