

Area Seminar

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| Title | Phase coherence in finite temperature Bose-Einstein condensates |
| Date and Time | 20/06/2013 16:00:00 |
| Speaker | Dr. Sandeep Gautam |
| | IISc, Bangalore |
| Area | Theoretical Physics |
| Venue | Room No. 469 |
| Abstract | <p>We study the Bose-Einstein condensates (BECs) at non-zero temperatures using stochastic Gross-Pitaevskii equation (SGPE). This is a Langevin equation which takes the form of non-linear Schrodinger equation with additional noise and damping terms. The use of the SGPE to study both the scalar and spinor BECs at finite temperatures will be discussed in the talk. I will discuss the effect of anharmonicity on the phase coherence of quasi one-dimensional condensates.</p> |