



**TIFR Centre for Interdisciplinary Sciences,  
Narsingi, Hyderabad 500075**

---

## **Seminar**

**Convection in the Sun**

**Shravan Hanasoge**

**TIFR, Mumbai**

Seismic constraints and surface observations constrain convective velocity amplitudes to be almost two orders in magnitude smaller than theory and computation required for the sustenance of large-scale flow circulations observed in the Sun. This has consequences for theories of magnetic dynamo action that rely on rotational shear for amplifying the global solar magnetic field. I will discuss the seismic results and focus on the implications for global dynamics of the Sun and stars.

***Thursday, Apr 3<sup>rd</sup> 2014***

***11:30 AM (Tea/Coffee at 11:15 AM)***

***Seminar Hall, TCIS***