



**Udaipur Solar Observatory/ Physical Research Laboratory**

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## **SEMINAR**

### **Intensity correlation and spatial modes of light**

**(Prof R P Singh, PRL)**

Intensity correlations, first explored by Hanbury Brown and Twiss in Astronomy, have played an important role in understanding the nature of light. Starting with sizing of stars to understanding the phase transitions and folding of protein molecules, it has found numerous applications in different fields of science.

After introducing this versatile technique we will discuss how it can be used to discriminate different spatial modes of light. Some possible applications to solar physics will also be discussed.

**Date:** Sep 29, 2015

**Time:** 15:00 hrs

**Venue:** USO Seminar Hall