

Department of Theoretical Physics

Special String Theory Seminar

Topic: AN EXCURSION IN AdS/CMT

Speaker: Pallab Basu
University of Kentucky

Date: Monday, 5th December, 2011

Time: 10.30 IST

Venue: DTP Seminar Room (A 304)*

Abstract: We start with a quick introduction of string theory. Then we move to holography (AdS/CFT or gauge-gravity duality). We discuss how gauge-gravity duality works and how we can study a gravity theory to explore gauge theoretic phenomena. As examples, we discuss holographic realization of superfluid/superconductivity and also non-fermi liquids. We end by discussing my current works including holographic quench, and also non-integrability and chaotic dynamic in the context of holography.

*The seminar will be delivered via Skype.

(Raju Bathija)