

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE
2A&B, Raja S.C. Mullick Road, Jadavpur, Kolkata-700032, India

Seminar Notice

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Theoretical Physics Department

Title:	Entanglement reconstruction of asymptotically AdS metric from conformal field theory
Speaker:	Debajyoti Sarkar, Institute for Theoretical Physics (ITP), Universität Bern, Switzerland
Date:	December 15, 2017 (Friday)
Time:	12:00 noon
Venue:	Theoretical Physics Seminar Room (C406), 3rd Floor, Centenary Building, IACS
Abstract:	AdS/CFT furnishes a non-perturbative definition of quantum gravity in asymptotically anti de Sitter spacetimes (AdS bulk) in terms of a conformal field theory (CFT) supported on the conformal boundary. In this talk, I will present an account of efforts leading to recovering local bulk physics from the CFT, including our ongoing work on extending the construction of Kabat and Lifschytz to recover the bulk metric in a subregion homologous to CFT data on a given boundary subregion. Based on work in progress with Daniel Kabat (CUNY) and Shubho Roy (IIT Hyderabad).

All are cordially invited to attend the seminar