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

Seminar Notice

Org. by

Theoretical Physics Department

Title:	**Black Holes from OPE coefficients**
Speaker:	**Sridip Pal, Dept. of Physics,University of California,San Diego,USA**
Date:	**December 22, 2017 (Friday)**
Time:	**03:00 p.m.**
Venue:	**Theoretical Physics Seminar Room (C406),3rd Floor, Centenary Building, IACS**
Abstract:	In (1+1)-d CFTs, the 4-point function on the plane can be mapped to the pillow geometry and thereby crossing symmetry gets translated into a modular property. We use these modular features to derive a universal asymptotic formula for OPE coefficients in which one of the operators is averaged over heavy primaries. The coarse-grained heavy channel then reproduces features of the gravitational 2-to-2 S-matrix which has black holes as their intermediate states.

All are cordially invited to attend the seminar