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Séminaire de matrices, cordes et géométries aléatoires

Vendredi 18 Janvier 2019, 14 :15
IPHT, Salle Claude Itzykson, Bât. 774
Domaines : hep-th

Titre : *Holography for Correlators in Black Hole microstates*

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Résumé : *In the AdS/CFT context, black holes are dual to ensembles of "heavy" CFT states whose conformal dimension scales as the central charge. The Strominger–Vafa black hole, which admits an $AdS_3\times S^3$ decoupling limit and a dual description in terms of a two-dimensional CFT, provides an excellent model to study.*

Among the dynamical quantities one can study, the four-point functions, with two heavy states and two light probes, provide a good observable to extract detailed informations from the black hole. In particular, late time behavior of the correlators is associated to information loss and generally it provides a powerful tools to study unitarity properties of the system.