Institut Henri Poincaré

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String Theory in Greater Paris

Rencontres Théoriciennes

“Supergravité, théorie des cordes et théorie M”

Jeudi 9 Janvier 2020, 10:00

Andrew Tolley

Imperial Coll. London

TTbar, Massive Gravity and Non-critical Strings

I will argue that the natural gravitational picture of the TTbar deformation is ghost-free massive gravity, showing that massive gravity naturally emerges as an appropriately defined version of the random geometries framework. The important role of field dependent diffs is just a straightforward consequence of the Stuckelberg formalism of massive gravity. I will discuss these various connections, how (non)-critical strings arise naturally as the deformation of CFTs, and how to give path integral definitions for more general deformations.

Institut Henri Poincaré, salle 314, 3ème étage