Institut Henri Poincaré

11 rue Pierre et Marie Curie, 75231 Paris cedex 05

String Theory in Greater Paris

Rencontres Théoriciennes

"Supergravité, théorie des cordes et théorie M"

Jeudi 8 Mars 2018, 10:00

William Cottrell

University of Amsterdam

$T\overline{T}$ deformations and 2d Gravity

In this talk we argue that a 2d quantum field theory deformed by $T\overline{T}$ should naturally be thought of as an IR description of a quantum theory of gravity. We further show that generic $T\overline{T}$ deformations are best understood when embedded into the context of boundary conformal field theories. Finally, we argue that these BCFTs are directly related to the physics of near extremal black holes, thus closing a tight circle of ideas in 2d quantum gravity.

Institut Henri Poincaré, salle 314, 3ème étage

Retrouvez les activités de la communauté parisienne de théorie des cordes sur
`http ://string.lpthe.jussieu.fr`
La liste de tous les séminaires en région parisienne est disponible sur
`http ://string.lpthe.jussieu.fr/semparis`