

**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 22 Mars 2018, 11:45*

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**String theory of supertubes**

*In string theory, black hole microstates at finite coupling give rise to horizon-scale structures that play an important role in addressing the information paradox. These are based on configurations of branes puffed up by the supertube effect. I will show that such supertubes admit an exact worldsheet treatment as gauged Wess-Zumino-Witten models. This description includes both BPS and non-BPS three-charge microstates. These constructions reveal stringy structures that support precursors of the long strings which hold most of the entropy in the dual CFT.*

**Institut Henri Poincaré, salle 314, 3<sup>ème</sup> étage**

Retrouvez les activités de la communauté parisienne de théorie des cordes sur  
<http://string.lpthe.jussieu.fr>  
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