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String Theory in Greater Paris

Rencontres Théoriciennes

"Supergravité, théorie des cordes et théorie M"

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Julian Sonner

U. of Geneva

Black-hole collapse in CFT : from conformal blocks to bulk path integrals

Holography (also known as AdS/CFT) is a duality relation that gives us a way of formulating questions about quantum gravity in terms of more ordinary quantum field theories without gravity. A natural and long-standing goal has been to understand the physics of black holes using holographic duality. I will report on some recent progress on this question elucidating the spherical collapse of an in-falling shell of null matter in three dimensional quantum gravity. I will end up with describing recent results on the relation between the bulk path integral and the conformal block expansion of the dual CFT.

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Retrouvez les activités de la communauté parisienne de théorie des cordes sur
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