Institut Henri Poincaré

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String Theory in Greater Paris

Rencontres Théoriciennes

"Supergravité, théorie des cordes et théorie M"

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David Mateos

U. Barcelona

Ads/cap

The discovery of gravitational waves has opened a new experimental window into the Universe. The fact that the relevant physics is often out of equilibrium offers a golden opportunity for holography to make a unique impact on cosmology and astrophysics. I will review recent progress in this direction, with a focus on cosmological phase transitions and neutron star mergers. I will also discuss a new holographic framework to describe strongly coupled matter coupled to dynamical gravity. If time permits I will mention applications to baryogenesis, thermal inflation and primordial black holes. No prior knowledge of string theory or holography required.

Institut Henri Poincaré, salle 314, 3ème étage

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