



Contribution ID: 166

Type: **Plenary talk**

Gravitational Waves from the Fifth Dimension

Tuesday 3 September 2024 11:00 (30 minutes)

The experimental revolution unleashed by the discovery of gravitational waves will gradually unfold over the coming decades. Maximizing the discovery potential requires a theoretical understanding of out-of-equilibrium quantum matter coupled to dynamical classical gravity. I will discuss the insights that holography can offer into this challenging regime. I will focus on phase transitions in the early Universe and in neutron star mergers. If time permits I will also discuss the holographic dual of primordial black hole formation.

Link to publication (if applicable)

Presenter: MATEOS SOLÉ, David Julian (ICREA & UB)

Session Classification: Plenary session