

Fundamental Physics and Gravitational Waves

Thursday 14 December 2023 09:00 (45 minutes)

The detections of gravitational waves emitted by compact binary coalescences gave rise to the new science of Gravitational Wave Astronomy, which opened up new possibilities for scientific investigation also in cosmology and fundamental physics. In this presentation I will give an overview of the observational results and some hints to the impact they had, are having and will have on our understanding of fundamental physics, with emphasis on the analytic modeling of the General Relativistic two-body problem.

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