

Constraining non-GR gravity scenarios with observations of gravitational waves

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Many gravitational theories beyond general relativity have been proposed over the years as a physical explanation of the dark sector. All such theories affect the emission, propagation and detection of gravitational waves. In this talk, I will discuss some proposed scenarios and how the GW170817/GRB170817A simultaneous detection of gravitational and electromagnetic waves from the same source limits the allowed parameter space.

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