Contribution ID: 39 Type: not specified

## Constraining non-GR gravity scenarios with observations of gravitational waves

Thursday 15 July 2021 15:05 (25 minutes)

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.

Presenter: SKORDIS, Constantinos (CEICO, Institute of Physics, Czech Academy of Sciences)

Session Classification: Astrophysical Sources