

Generation of gravitational waves in theories of modified gravity

The recent detection by the LIGO collaboration of gravitational waves has opened a window of opportunity to explore the gravitational interaction in new regimes. This project will be aimed at studying the predictions of some modified gravity scenarios that would leave a characteristic imprint in the emission of gravitational waves. Depending on the candidate interests, the focus will be put either on astrophysical signals or on gravitational waves generated during the early universe.