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## Gravitational Waves; where we are where we go

*Saturday, 26 May 2018 09:10 (45 minutes)*

The observations of gravitational waves from the merger of binary black holes and from a binary neutron star coalescence followed by a set of astronomical measurements is the first striking example of investigating the universe by multi-messenger astronomy. In this talk we review these results and then we will focus on the middle and long term evolution of the gravitational wave detectors with emphasis to their perspectives for the advancement on physics and astronomy.

**Presenter:** RICCI, Fulvio (University of Rome Sapienza & INFN Sezione di Roma)

**Session Classification:** Morning Session