



UNIVERSITA' DEGLI STUDI DI PAVIA

DOTTORATO DI RICERCA IN FISICA

COLLOQUIA 2016-2017

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Aula 102 "L. Giulotto", ore 16.00

Dipartimento di Fisica, via Bassi 6, Pavia

The detection of Gravitational Waves: the dawn of a new era in the observation of the Universe

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Abstract: The announcement, by the LIGO and Virgo collaborations, of the detection of the Gravitational Wave (GW) signal emitted in the coalescence of a binary black hole system, one century after General Relativity theory prediction, is a cornerstone of research in Physics.

GW detection opens a new era in Astronomy: the observation of the Universe through gravitational waves. The physics of Gravitational Waves, the technology of the detectors, the scientific achievements and the future perspectives will be discussed.

