



Workshop

# Opening a New Era for the Astrophysics: THE FUTURE DETECTORS OF GRAVITATIONAL WAVES

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Italian Institute of Culture, Room G. Puccini, Tokyo

**Abstract:** The realization of the new generation of gravitational waves will open a new era in the Universe observation. In few years from now the detection of the gravitational wave radiation will allow the investigation of catastrophic events in the Universe through a new perspective: the gravitational window. Japan and Italy are leading this evolution thanks to the realization of the KAGRA and Advanced Virgo detectors and the Einstein Telescope design study. Perspectives and technical aspects are discussed.

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