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VIRGO Presentation

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The first direct detection of the gravitational wave signal emitted by the coalescence of two stellar mass black holes occurred the 14 September 2015 in the two LIGO detectors and has been announced the 11th of February 2016 by the LIGO scientific collaboration and the Virgo collaboration. This achievement has been a crucial milestone of the long development path of both the detector technologies and of the analysis methodologies. The data analysis pipelines implemented in the network of gravitational wave detectors requires large and distributed computational resources to analyse a relatively small amount of data; different analysis algorithms with different requirements in terms of computing power and latency have been implemented.

An overview of the LIGO-Virgo computing model is presented in this talk and few important details are focused in the next one.

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