



ID de Contribution: 46

Type: **Talk**

Allsky search for long duration gravitational waves detection

mercredi 31 mai 2017 10:30 (15 minutes)

From September 2015 to January 2016, Advanced LIGO conducted its first observation run (O1) with a sensitivity more than three times better than the initial detectors'. We describe a search for long duration gravitational wave transients in the O1 data. This complements the all-sky un-modelled transient search by looking for gravitational waves of durations of many hundreds of seconds. The search pipeline coherently combines data from all detectors and reconstructs the signal energy using seed based clustering methods without assumption on the signal waveform. We present the status of the search and its performance.

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Classification de Session: Astrophysics and cosmology