

Abstract Submitted
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Searches for coalescence of binary systems in LIGO and Virgo data¹ GABRIELA GONZALEZ, Louisiana State University, LIGO SCIENTIFIC COLLABORATION AND THE VIRGO COLLABORATION — We present the latest results from the searches for gravitational waves from the coalescence of binary systems of neutron stars and black holes in LIGO and Virgo data. These searches are done with a variety of methods, all using optimal filtering of waveform templates. We present results on data from the Fifth Science Run LIGO run S5 from Nov 2005 to Oct 2007, which was joint with Virgo's first Science Run VSR1 from May to Oct 2007. We also show how these methods are being applied in the current LIGO S6/Virgo VSR2 data-taking run started in July 2009.

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