Status of searches for compact binaries in aLIGO with PyCBC[1]

CHRISTOPHER BIWER, Syracuse Univ — Advanced LIGO began its first observing in September 2015. Gravitational waves from binary neutron stars, binary black holes and neutron star-black hole binaries are an important science goal for Advanced LIGO. The PyCBC search uses match filtering to correlate LIGO data with a bank of templates to search for transient gravitational-wave from compact object binaries with a total mass between 2 and 100 solar masses with spin. In this talk, we describe results of the PyCBC search during the first aLIGO observing run.

[1]LIGO

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