

Abstract Submitted  
for the APR09 Meeting of  
The American Physical Society

**All-Sky Burst Searches for Gravitational Waves at High Frequencies** BRENNAN HUGHEY, MIT, LIGO SCIENTIFIC COLLABORATION, VIRGO COLLABORATION — Previous burst searches with ground-based interferometers have generally been limited to frequencies below 2 kilohertz. However, various models predict gravitational wave emission in the few-kilohertz range from gravitational collapse, neutron star modes, the mergers of some compact binaries or other astrophysical phenomena. We present all-sky gravitational wave burst searches at frequencies up to 6 kilohertz, conducted on data taken during LIGO's fifth science run and Virgo's first science run.

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Date submitted: 13 Jan 2009

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