

Abstract Submitted
for the APR15 Meeting of
The American Physical Society

Prospects for observing dynamically formed stellar mass black hole binaries with gravitational waves MATTHEW BENACQUISTA, Univ of Texas, Brownsville — Stellar mass black hole binaries are expected to be produced through dynamical interactions within globular clusters. Dynamically formed black hole binaries are likely to have higher chirp masses than binaries formed in the field. We show that these systems are observable with space-based gravitational wave detectors at extragalactic distance as far as the the Virgo cluster.

Matthew Benacquista
Univ of Texas, Brownsville

Date submitted: 07 Jan 2015

Electronic form version 1.4