

Black holes in star clusters

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Stellar-mass black hole candidates have been reported in several Milky Way globular clusters, based on either accretion signals or radial velocity variations of companion stars. These individual black holes probably represent much more abundant populations of black holes. Charting the demographics of black holes in clusters helps to understand the contribution of dynamically formed binary black hole mergers to the rapidly growing number of gravitational wave detections. In this talk I will discuss ongoing and future mass modelling efforts to infer the presence of black hole populations in star clusters.

Type

invited talk

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