## BLACK HOLES IN DENSE STAR CLUSTERS Aspen Center for Physics 2015 Aspen Winter Conference January 17–22, 2015

TITLE: Black holes in globular clusters

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The study of black holes in globular clusters has a long history. In the last few years, several discoveries have made it clear that stellar mass black holes can be found in globular clusters. I will discuss the observational evidence for these black holes, in both Galactic and extragalactic globular clusters, to be followed up by the many more detailed talks to follow. I will also touch on current theoretical arguments aimed at understanding how such black holes might be retained in globular clusters. Finally, I will address the question whether there are any intermediate mass black holes in globular clusters.