

BLACK HOLES IN DENSE STAR CLUSTERS
Aspen Center for Physics
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TITLE: Co-evolution of Central Black Holes and Nuclear Star Clusters

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I will discuss possible mechanisms of growth of nuclear star clusters, including inspiral of globular clusters and in-situ star formation. A fraction of the mass should remain available for feeding a central black hole. This mass is more likely to be in the form of colliding stars in the case of low-mass galaxies, and in the form of dense gas clouds in the case of very massive galaxies.