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Can a Satellite Galaxy Merger **Explain the Active Past of the Galactic Center?**

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(Submitted on 14 Jul 2011)

Observations of the Galactic Center (GC) have accumulated a multitude of "forensic" evidence indicating that several million years ago the center of the Milky Way galaxy was teaming with starforming and accretion-powered activity -- this paints a rather different picture from the GC as we understand it today. We examine a possibility that this epoch of activity could have been triggered by the infall of a satellite galaxy into the Milky Way which began at the redshift of 10 and ended few million years ago with a merger of the Galactic supermassive black hole with an intermediate mass black hole brought in by the inspiralling satellite.

Comments: 9 pages, 1 figure, submitted to ApJ. Comments are welcome

and may be incorporated into the paper with attribution

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