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## Recent updates on the morphology of the Galactic Center excess

*Thursday 17 October 2024 10:30 (20 minutes)*

The Galactic Center Excess (GCE) detected by Fermi-LAT resembles a signal of WIMP dark matter annihilation, although it may also be attributed to a population of millisecond pulsars in the inner Milky Way. I will discuss recent updates in studying the morphology of the GCE. I will show that the bulge model based on the latest VVV survey is consistently favored by data. I will also show that millisecond pulsars contribute to the gamma-ray sky in various region.

**Presenter:** SONG, Deheng