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Dan Hooper (Fermilab): Pulsars and the Galactic Center Gamma-Ray Excess

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I will summarize the evidence in support of, and in opposition to, pulsars as the source of the gamma-ray excess observed from the Inner Milky Way. The evidence in favor of a pulsar origin includes the observed small scale power in the gamma-ray emission from this region, and possible correlations between this emission and the distribution of stars. In opposition to this conclusion are the lack of bright pulsar-like gamma-ray sources and bright low-mass X-ray binaries in this direction of the sky. I will also comment on the implications of HAWC's TeV-halos for pulsar interpretations of this excess.

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