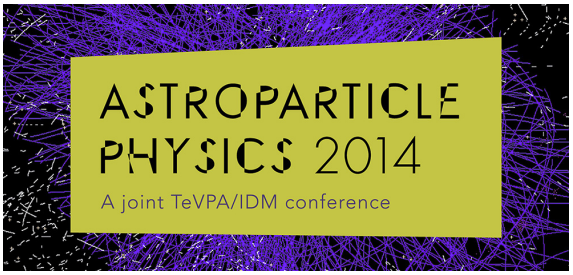

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Characterizing the gamma-ray excess observed in the inner galaxy

Thursday, June 26, 2014 2:15 PM (10 minutes)

Recent work has confirmed the presence of a gamma-ray excess in data from the Fermi Space Telescope extending at least 10 degrees from the Galactic Center. I will describe recent progress in characterizing this signal by using photons with the highest quality angular reconstruction, with an emphasis on the extended "inner galaxy" region. I will focus on cross-checks we have performed to distinguish this signal from a mismodelled background, and the spatial properties of the signal including its high degree of sphericity.

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