

A GeV Gamma-Ray Spectral Feature in the Inner Galaxy

Thursday, 29 August 2013 14:48 (24 minutes)

I will present evidence that the spectral feature in few-GeV diffuse gamma-rays previously identified in the Galactic Center (GC) extends to much higher Galactic latitudes, 5-20 degrees from the Galactic plane. I will discuss the spectrum and morphology of the signal and some systematic uncertainties in extraction of the spectrum, with their consequences for dark matter interpretations. Millisecond pulsars have been proposed as a possible source of the GC signal: I will comment on their potential to generate the extended inner Galaxy emission.

Presenter: SLATYER, Tracy

Session Classification: High-energy gamma rays