

The Fermi bubbles: foreground subtraction and energy spectrum

Thursday 29 August 2013 14:00 (24 minutes)

The Fermi bubbles are a spectacular remnant of a past activity in or around the Galactic center. I will describe our analysis of the Fermi bubbles using 50 months of the Fermi-LAT data (pass7 reprocessed). One of the main challenges in the analysis is the separation of the Fermi bubbles from the other components of the Galactic diffuse emission. I will talk about two different methods to subtract the foreground emission. Results on the Fermi bubbles energy spectrum will be presented.

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Session Classification: High-energy gamma rays