

# Galactic cosmic rays: Lesson from diffuse gamma-ray observations

*Thursday, September 15, 2016 5:00 PM (15 minutes)*

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Both the absolute emissivity and the energy spectra of  $\gamma$ -rays exhibit significant variations along the galactic plane.

For the first time, models about the galactic distribution of CR factories, as well as about the CR propagation throughout the Galaxy, can be severely tested against not-local observations.

In this talk, we will show how the latest measurements pose constraints on the different CR source candidates and call for inhomogeneous transport conditions in the Galaxy.

## Summary

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In this talk, we will show how the latest measurements pose constraints on the different CR source candidates and call for inhomogeneous transport conditions in the Galaxy.

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