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Multi-wavelength Signatures of Cosmic Rays in the Milky Way

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Cosmic rays propagate in the Milky Way and interact with the interstellar medium and magnetic fields. These interactions produce emissions that span the electromagnetic spectrum and are an invaluable tool for understanding the intensities and spectra of cosmic rays in different regions of the Milky Way. Hence observations of these emissions complement information from cosmic ray measurements.

We present updates on the study of cosmic ray properties by combining multi-wavelength observations of this interstellar emission with latest accurate CR direct measurements.

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