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Dark Matter multi-wavelength constraints from radio observations and from diffuse Fermi-LAT gamma-ray observations

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Electrons from Dark Matter (DM) annihilation produce radiation through synchrotron and Inverse Compton Scattering (ICS) interactions in the galactic environment. This multi-wavelength emission provides a complementary mean to test the DM hypothesis. I will present constraints coming from radio observations as well as ICS constraints from gamma-ray measurements by Fermi-LAT in the Galactic Halo region.

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