
Galactic Magnetic field from polarized emission at CMB frequencies

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Abstract

Galactic magnetic field manifests itself through a large variety of physical phenomena. It plays a crucial role in the cosmic ray propagation. Connecting the local and the large-scale Galactic magnetic field might help understanding the ISM physics. In this talk I will review state-of-the-art modeling of the large-scale Galactic magnetic field as inferred from the polarized diffuse emission measured by Planck at radio to sub-mm wavelengths.

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