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Magnetic Fields of the Milky Way

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Abstract content

We report on a project to constrain the large-scale and turbulent magnetic fields of the Milky Way galaxy, which eventually will incorporate all of the relevant observational data. The initial work is based primarily on the WMAP3 polarization and intensity maps, plus a large number of galactic and extragalact point source Faraday Rotation Measures. Preliminary results on the Galactic magnetic field are presented, and consistency with UHECR small-scale anisotropies is discussed.

If this papers is presented for a collaboration, please specify the collaboration

Summary

Reference

Proceedings of the 30th International Cosmic Ray Conference; Rogelio Caballero, Juan Carlos D'Olivo, Gustavo Medina-Tanco, Lukas Nellen, Federico A. Sánchez, José F. Valdés-Galicia (eds.); Universidad Nacional Autónoma de México, Mexico City, Mexico, 2008; Vol. 2 (OG part 1), pages 223-226

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