

Correlation of Arrival Directions of Ultra High Energy Cosmic Rays with Extragalactic Candidate Sources

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Abstract

We report on results of a Bayesian analysis of the correlations between the arrival directions of ultra high energy cosmic rays detected by the Telescope Array with the locations of galaxies from four catalogs: 2MRS, Swift-BAT 70 mo, Veron Catalog of Quasars \& AGN, 13th Edition. We discuss the effect of the deflections due to galactic magnetic fields for a number of galactic magnetic field models for various scenarios of composition.

Title

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