

Abstract Submitted
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Effects of the galactic magnetic field on observed properties of ultra-high energy cosmic rays AZADEH KEIVANI, Louisiana State University
— We present the results of propagating ultra high energy protons and iron nuclei through several models of the galactic magnetic field (GMF) using the CRT code. In this analysis, the particles have been injected from the locations of active galactic nuclei (AGN) in the VCV catalog. We analyze the correlations of the observed arrival directions with the AGN directions and study differences of the energy spectrum observed at earth from that injected at the AGN.

Azadeh Keivani
Louisiana State University

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