

Abstract Submitted
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A survey of the Milagro Sky for extragalactic TeV sources AHRON BARBER¹, University of Utah, JAMES LINNEMANN, Michigan State University, MILAGRO COLLABORATION — I am presenting the results from a survey of the Milagro sky map for extragalactic sources corresponding to locations of extragalactic objects from three different lists of TeV emitting objects: Fermi Bright Source List (3 month), TeVCat Catalog, and a list of objects from the VERITAS Blazar Key Science Project. Between the 3 lists, there are a total of 123 independent candidate sources to survey in the Milagro Sky. My analysis of these lists uses the False Discovery Rate Method (FDR) used previously by Milagro to analyze the galactic plane region of the Milagro sky map (Abdo et al., AJL 2009). The result from searching these lists found that only one source, Markarian 421, is detected by Milagro. Two other sources, Mrk 501 and IES 0502 +675, have a statistical significance near, but below, the boundary selected by FDR for these data. However, it is not evident that they are actually detected from the FDR analysis.

¹This research was done while an undergraduate at Michigan State University.

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