
A VERITAS Search for VHE \hat{I}^3 -Ray Point Sources Near Selected MILAGRO Target Regions

Contributed by David Kieda for the VERITAS Collaboration
Tuesday, 10 July 2007
Last Updated Thursday, 29 November 2007

Contribution to the 30th International Cosmic Ray Conference, Merida, Mexico, July 2007

We use the VERITAS telescopes to perform follow-up observations of potential new sources of TeV γ -rays identified by the MILAGRO (MGRO) particle detector array. Three potential MGRO sources were observed by VERITAS during fall 2006 and early 2007. Initial analysis of these observations does not reveal the presence of any strong point source of VHE γ -rays associated with these observation regions. We discuss the extrapolation of the higher energy ($E_\gamma > 20$ TeV), spatially extended (~ 1 - 3°) MGRO source fluxes to the 2-D VERITAS point source analysis.