

Abstract Submitted
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New methods to search for Cross-Correlations between UHECR data and BL Lac sources. RASHA ABBASI, HIGH RESOLUTION FLY'S EYE COLLABORATION — The arrival direction study of Ultra High Energy Cosmic Rays gives us potentially an insight on their origin. The High Resolution Fly's Eye (HiRes) is a stereo air fluorescence experiment that detects cosmic rays with energies greater than $\sim 10^{18}$ eV. The angular resolution of HiRes is approximately 0.6° . This small uncertainty is well suited for small-scale anisotropy studies. Here we present the correlation of the observed cosmic rays by HiRes with some astronomical sources, in particular with BL Lac sources, which are a subclass of active galaxies.

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