

Abstract Submitted  
for the APR06 Meeting of  
The American Physical Society

**Search for Cross-Correlations of Ultra-High-Energy Cosmic Rays**

CHAD FINLEY, STEFAN WESTERHOFF, Physics Dept. Columbia University,  
HIRES COLLABORATION — The High Resolution Fly's Eye (HiRes) experiment is a stereo air fluorescence detector for the study of cosmic rays with energies above  $5 \times 10^{17}$  eV. Arrival directions of cosmic rays observed in stereo can be resolved with a typical uncertainty on the order of  $0.5^\circ$ , making the experiment ideal for small-scale anisotropy studies. We will review recent claims of evidence for correlations between ultrahigh-energy cosmic rays and active galaxies of the BL Lac subclass, and we will describe tests of these claims with new data.

Chad Finley  
Physics Dept. Columbia University

Date submitted: 14 Jan 2006

Electronic form version 1.4