

# **ANISOTROPY STUDIES OF ULTRA-HIGH ENERGY COSMIC RAYS AS OBSERVED BY HIRES**

**HiRes Collaboration**

Although the existence of cosmic rays with energies extending to 320 EeV has been confirmed, their origin remains one of the most important questions in particle astrophysics research today. The High-Resolution Fly's Eye (HiRes) is the largest aperture detector currently collecting data from ultra-high energy cosmic ray events. We present for the first time anisotropy studies from monocular and stereo data collected by HiRes. We consider topical candidate sources including the supergalactic plane, the Virgo cluster of galaxies, Cygnus X-3 and the vicinity of the AGASA triplet. We also present the results of searches for density fluctuations in the absence of a priori candidate sources, and for the existence of harmonics in the full-sky event distribution.