

Abstract Submitted
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Measurement of the HiRes Stereo Composition BRIAN CONNOLLY, Columbia University — Extensive air showers are induced when ultra-high energy cosmic ray particles enter the Earth's atmosphere. The distribution of depths where the number of particles in the air showers reach a maximum (defined as X_{max}) can be used to measure the composition. We present a method of directly measuring the flux of various hypothesized compositions by comparing Monte Carlo calculations of X_{max} with the distribution of X_{max} for data.

Brian Connolly
Columbia University

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