



PHYSICS COLLOQUIUM

Observation of the End of the Cosmic Ray Spectrum



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Host: Halzen

Abstract: The forty year search for the end of the cosmic ray spectrum, the so-called Greisen-Zatsepin-Kuzmin (GZK) Cutoff is described. This is the result of the inelastic interactions between ultra-high energy cosmic rays and the remnant universal black-body radiation. The first definitive observation of this effect has recently been published by the High Resolution Fly's Eye Experiment. This result and confirming evidence from the Pierre Auger Experiment will also be presented and discussed. Results on the ultra-high energy composition and anisotropy will also be presented as well as a discussion of the new Telescope Array project.

2241 Chamberlin Hall • Friday, October 3, 2008 • 4:00 P.M.

cookies & coffee served at 3:30 p.m.