

Abstract Submitted
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Limits on Relativistic Magnetic Monopole Flux from RICE

DANIEL HOGAN, University of Kansas, RICE COLLABORATION — The Radio Ice Cherenkov Experiment (RICE) is a radio antenna array at the South Pole. A Monte Carlo simulation of magnetic monopole propagation through polar ice is used to determine RICE's cross-section for monopole detection. We present final results for ultrarelativistic ($\gamma \geq 10^7$) magnetic monopole flux upper bounds based on RICE observations from 2001 through 2005. This limit is the strongest direct measurement of ultrarelativistic monopole flux.

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