

Abstract Submitted
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Milagro and Climax Measurements of the 2005 January 20 GLE Particle Spectrum TREVOR MORGAN, CLIFF LOPATE, University of New Hampshire, MILAGRO COLLABORATION — Milagro is a ground-based TeV g-ray telescope in the Jemez Mountains near Los Alamos NM. Designed to image TeV g-ray sources, it is also sensitive to energetic solar particles above the local geomagnetic cutoff. It sits relatively close to the Climax neutron monitor in Colorado. Because of their geomagnetic proximity, these two instruments can be jointly used to construct a time-dependent spectrum for GLE events unaffected by particle anisotropies. Modeling of the performance of both instruments to both isotropic and anisotropic particle distributions is completed and will be used to constrain the 2005 January 20 spectrum during the brief event onset as well as the abrupt decay. We present ongoing results of the spectrum and anisotropy of the 2005 January 20 GLE.

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