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Observations of the pulsar PSR B1951+32 with the Solar Tower Atmospheric Cherenkov Effect Experiment

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Abstract content

We present the analysis and results of 12.5 hours of high-energy gamma-ray observations of the EGRET-detected pulsar PSR B1951+32 using the Solar Tower Atmospheric Cherenkov Effect Experiment (STACEE). STACEE is an atmospheric Cherenkov detector, in Albuquerque, New Mexico, that detects cosmic gamma rays using the shower front-sampling technique. STACEE's sensitivity to astrophysical sources at energies around 100 GeV allows it to investigate emission from gamma-ray pulsars with expected pulsed emission cutoffs below 100 GeV. We discuss the observations and analysis of STACEE's PSR 1951+32 data, accumulated during the 2005 and 2006 observing seasons

If this papers is presented for a collaboration, please specify the collaboration

The STACEE Collaboration

Summary

Reference

Proceedings of the 30th International Cosmic Ray Conference; Rogelio Caballero, Juan Carlos D'Olivo, Gustavo Medina-Tanco, Lukas Nellen, Federico A. Sánchez, José F. Valdés-Galicia (eds.); Universidad Nacional Autónoma de México, Mexico City, Mexico, 2008; Vol. 2 (OG part 1), pages 779-782

Primary author(s) : KILDEA, John (Department of Physics, McGill University, Montreal, QC H3A 2T8, Canada (Current address: Fred Lawrence Whipple Observatory, Harvard-Smithsonian Center for Astrophysics, Amado, AZ 85645))

Co-author(s) : BALL, J (Department of Physics and Astronomy, University of California, Los Angeles, CA 90095); CARSON, J. E. (Department of Physics and Astronomy, University of California, Los Angeles, CA 90095 (Current address: Stanford Linear Accelerator Center, MS 29, Menlo Park, CA 94025)); COVAULT, C. E. (Department of Physics, Case Western Reserve University, Cleveland, OH 44106); DRISCOLL, D. D. (Department of Physics, Case Western Reserve University, Cleveland, OH 44106); FORTIN, P. (Department of Physics, McGill University, Montreal, QC H3A 2T8, Canada (Current Address: Department of Physics and Astronomy, Barnard College, Columbia University, New

York, NY 10027)); GINGRICH, D. M. (Department of Physics, University of Alberta, Edmonton, AB T6G 2G7 Canada & TRIUMF, Vancouver, BC V6T 2A3 Canada); HANNA, D. S. (Department of Physics, McGill University, Montreal, QC H3A 2T8, Canada); JARVIS, A. (Department of Physics and Astronomy, University of California, Los Angeles, Los Angeles, CA 90095); LINDNER, T. (Department of Physics, McGill University, Montreal, QC H3A 2T8, Canada (Current Address: Department of Physics and Astronomy, University of British Columbia, Vancouver, BC V6T 1Z1, Canada)); MUELLER, C. E. (Department of Physics, McGill University, Montreal, QC H3A 2T8, Canada); MUKHERJEE, R. (Barnard College, Columbia University); ONG, R. A. (Department of Physics and Astronomy, University of California, Los Angeles, Los Angeles, CA 90095); RAGAN, K. (Department of Physics, McGill University, Montreal, QC H3A 2T8, Canada (Current Address: Department of Physics and Astronomy, Barnard College, Columbia University, New York, NY 10027)); WILLIAMS, D. A. (Santa Cruz Institute for Particle Physics, University of California, Santa Cruz, Santa Cruz, CA 95064); ZWEERINK, J. (Department of Physics and Astronomy, University of California, Los Angeles, Los Angeles, CA 90095)

Presenter(s) : KILDEA, John (Department of Physics, McGill University, Montreal, QC H3A 2T8, Canada (Current address: Fred Lawrence Whipple Observatory, Harvard-Smithsonian Center for Astrophysics, Amado, AZ 85645))

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