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TeV and X-ray monitoring of LS I +61 303 with VERITAS, SWIFT, and RXTE

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Abstract content

Between September 2006 and January 2007 the galactic binary source LS I +61 303 was observed at TeV energies by the VERITAS array of Cherenkov imaging telescopes in Southern Arizona. During this time, contemporaneous observations were taken at X-ray energies by both the SWIFT and RXTE satellite experiments. Although the X-ray properties of this source have been well studied in the past, this will be the first multiwavelength study on this source to use both TeV and X-ray data. Here we present the results of all three sets of observations, including TeV and X-ray spectra during flaring states as well as a comparison of the light curves obtained in each band over several orbital phases.

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

VERITAS

Summary

Reference

Proceedings of the 30th International Cosmic Ray Conference; Rogelio Caballero, Juan Carlos D'Olive, 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 601-604

Primary author(s) : Mr. SMITH, Andy (Smithsonian Astrophysical Observatory)

Presenter(s) : Mr. SMITH, Andy (Smithsonian Astrophysical Observatory)

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