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VERITAS long-term (2006-2014) observations of the BL Lac object 1ES 0806+524

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The high-frequency-peaked BL Lac object 1ES 0806+524 (z=0.138) was discovered as a source of very-high-energy (VHE, E>100 GeV) gamma-ray photons in 2008 with the VERITAS telescope array, at a level of 1.8% of the Crab Nebula flux above 300 GeV. Since then, VERITAS has continued observing the source over multiple seasons, significantly improving the significance of the detection. We report the results of the analysis of the 2006-2014 VERITAS data, corresponding to a total exposure of about 80 hours. We present the new, average VHE spectrum of the source, together with the multi-year light-curve constraining long-term VHE variability.

Collaboration

VERITAS

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