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A Bright Gamma-ray flare from the Blazar B2 1215+30 Detected by VERITAS and Fermi-LAT

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We report on evidence of correlated gamma-ray variability from the BL Lac source B2 1215+30, detected by VERITAS ($E > 100$ GeV) and the Fermi Large Area Telescope ($100 \text{ MeV} < E < 100$ GeV). The source was observed by VERITAS during an exceptional flaring state in February 2014. Further investigations of flux variability in the energy range covered by Fermi-LAT, quasi-simultaneous with VERITAS observations, showed evidence of correlated variability. Using these results we constrain the size of the emission region and derive a limit on the Doppler factor of the relativistic jet of B2 1215+30.

Collaboration

VERITAS

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