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Type: **Poster contribution**

Time-resolved multiwavelength observations of the blazar VER J0521+211 from radio to gamma-ray energies

Tuesday, August 4, 2015 4:00 PM (1 hour)

VER J0521+211 (RGB J0521.8+211) is one of the brightest and most powerful blazars detected in the TeV gamma-ray regime. It is located at a redshift of $z=0.108$ and since its discovery in 2009, VER J0521+211 has exhibited an average TeV flux exceeding 0.1 times that of the Crab Nebula, corresponding to an isotropic luminosity of $3e44$ erg s⁻¹. We present data from a comprehensive multiwavelength campaign on this object extending between November 2012 and February 2014, including single-dish radio observations, optical photometry and polarimetry, UV, X-ray, GeV and TeV gamma-ray data (VERITAS, MAGIC). Significant flux variability was observed at all wavelengths, including a long-lasting high state at gamma-ray energies in Fall 2013. Nighly-resolved spectra at X-ray and TeV energies will be presented, and emission mechanisms explaining the observed flux and spectral variability will be discussed.

Collaboration

– not specified –

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Primary author: PROKOPH, Heike (Linnaeus University)**Co-authors:** SCHULTZ, Cornelia (University of Padova, INFN Padova); DA VELA, Paolo (University of Siena, INFN Pisa)**Presenter:** PROKOPH, Heike (Linnaeus University)**Session Classification:** Poster 3 GA**Track Classification:** GA-EX