

MAGIC observations of very-high-energy gamma-ray flare from PKS1510-089 in May 2015.

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PKS1510-089 is a flat spectrum radio quasar with a redshift of 0.36 and is one of the few such sources detected in very-high-energy (VHE, >100 GeV) gamma rays. PKS1510-089 is highly variable at GeV energies, but until recently no variability in the VHE range has been observed.

In 2015 May PKS1510-089 showed a high state in optical and in the GeV range. MAGIC observations performed at that time detected a VHE gamma-ray flare, showing the first example of VHE gamma-ray flux variability in this source. We will present the MAGIC results from this observation and discuss their temporal and spectral properties in the multi-wavelength context.

MAGIC is a system of two 17 m diameter Imaging Atmospheric Cherenkov telescopes located in La Palma, Spain. It allows observations of gamma-rays with energies from 50 GeV.

Summary

We will present results of PKS1510-089 observations during a flare in May 2015, the first example of VHE gamma-ray flux variability in this source.

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