

Observation of the gamma-ray binary HESS J0632+057 with the H.E.S.S., MAGIC and VERITAS telescopes

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The gamma-ray binary HESS J0632+057 has been observed at very-high energies ($E > 100$ GeV) for more than ten years by the major systems of imaging atmospheric Cherenkov telescopes H.E.S.S., MAGIC, and VERITAS together with observations at X-ray energies and measurements of the H α emission line. We present a summary of the results including correlation studies between different energy bands and the updated gamma-ray light curve covering now all phases of the orbital period with significant detections in almost all orbital phases. This wealth of new data is interpreted taking into account the insufficient knowledge of the ephemeris of the system, and discussed in the context of results reported on other gamma-ray binary systems.

Track

Binaries

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