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[346] Highlights of the FACT TeV monitoring program

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The First G-APD Cherenkov Telescope (FACT) is performing unbiased monitoring of nearby bright TeV Blazars. Despite being among the best-studied objects, their TeV emission mechanisms and extreme variability are far from understood. Exploiting the excellent temporal coverage of FACT data, we are performing unprecedented long-term periodicity, variability and correlation studies essential to unravel the underlying physics. In this talk, results of multiwavelength studies including data from X-ray satellites and other very-high-energy instruments will be presented, as well as observations of the exceptional outburst of 1ES1959+650 and various flaring activities of Mrk421 and Mrk501.

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