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Multi-wavelength observations on the gamma-ray periodic blazar PG1553+113

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PG 1553+113 is a blazar with an uncertain redshift detected at very high energies (VHE; E > 100 GeV) both during high and quiescent flux states. The Fermi/LAT collaboration

recently reported the detection of a ~2-year modulation of the integral flux emitted in both optical and highenergy (HE) gamma rays(Stamerra et al. at this conference). Interestingly, one of the physical scenarios that can account for such variability pattern is the presence of a supermassive black hole binary in the nucleus of PG 1553+113. The MAGIC telescopes have observed PG 1553+113 at VHE since 2005. An intense multiwavelength campaign aimed at unbiased monitoring of the source activity, from radio to VHE gamma rays, started in 2015. Here we will show the multiwavelength data going back almost a decade, from radio to VHE, along with the results from the ongoing observations.

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