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Multi-waveband study of TeV blazar 1ES1959+650 during a high state in 2016

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The nearby TeV Blazar 1ES 1959+650 (z=0. 047) is a high-peaked BL Lacertae object and one of the prime sources which has been monitored at VHE gamma-ray energies by FACT. This source is well known for its orphan flare in June 2002, which makes this an unique source. It was found in a low state of flux since its outburst in 2002 and did not show much of activity during the first three years of FACT monitoring. However, the source had started showing enhanced activity in VHE gamma-rays during summer 2015 and reached a high flux state during summer of 2016. A few very bright flares were observed by FACT in June and July 2016. In the presentation, we will discuss the multiwaveband behavior of 1ES 1959+650 and evolution of the high state. A physical model,with which several flaring episodes can be explained, will also be discussed.

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