



MAGIC and H.E.S.S. detect VHE gamma rays from the blazar OT081 for the first time: a deep multiwavelength study

Subtitle: Twinkle twinkle little blazar: are you FSRQ or BL Lac?



What is this contribution about? We present the first detection of VHE gamma-rays from blazar OT081 (obtained by MAGIC and H.E.S.S. and its deep study in multiwavelength



Why is it relevant / interesting? This study is very exciting because the dataset is very challenging in terms of modeling of the emission scenario. The source is a transitional object between BL Lac and FSRQs. Also is very interesting how we could determine four different states of activity in a short period of observations.



REPUBLIC OF CROATIA
Ministry of Science and
Education



What have we done? We had studied the multiwavelength lightcurves from many instruments across the electromagnetic spectrum and built the broadband spectral energy distributions for four states of activity.

What is the result? We have constrained the high energy part of the broadband SED during the flare in VHE gamma rays and study the emission scenario in four different states of activity. This is a preliminary report, while the full study will be disclosed in a paper (in preparation for MAGIC, H.E.S.S. and *Fermi*-LAT collaborations).