



## Reanalysis of the high-frequency peaked BL Lac Object 1ES 0229+200 at TeV energies

G. COLOGNA<sup>1</sup>, S. WAGNER<sup>1</sup> FOR THE H.E.S.S. COLLABORATION

<sup>1</sup>*Landessternwarte, Universität Heidelberg, Königstuhl, D 69117 Heidelberg, Germany*  
*gcologna@lsw.uni-heidelberg.de*

**Abstract:** The high-frequency peaked BL Lac Object (HBL) 1ES 0229+200 was first detected in very high energy (VHE,  $E > 100$  GeV) gamma rays by H.E.S.S. (High Energy Stereoscopic System) in 2006. No variability was seen in the source in the initial publication and its spectral characteristics have been used to derive constraints on the extragalactic background light [1] (EBL) and on the intergalactic magnetic field [2, 3] (IGMF). 1ES 0229+200 has been regularly observed by H.E.S.S. since 2006. Updated analyses using newer, more sensitive analysis methods than that in the initial publication are applied to the complete data set from 2004 to 2009.

**Keywords:** BL Lac Objects, 1ES 0229+200, EBL, Intergalactic Magnetic Field

## References

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