

## Revisiting Westerlund 2 with the H.E.S.S. telescope array

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**Abstract.** The observations of the field of view of Westerlund 2 with the H.E.S.S. telescopes have revealed an extended VHE source, HESS J1023–575, that could be associated with either the massive WR binary system WR 20a, the young stellar cluster Westerlund 2 or to cosmic rays accelerated in bubbles or at their termination shock and interacting with their environment. The extension and non-variability of the VHE source disfavour the first scenario and an unambiguous identification of the source is still on hold. In order to investigate the origin of the VHE emission, re-observations have been performed with the H.E.S.S. telescopes during 2007 and 2008. The new results shed light on the identification and morphology of HESS J1023–575. We will present the new H.E.S.S. observations and discuss possible physics scenarios for the VHE emission under consideration of the recently reported Fermi GeV sources in the vicinity of Wd2.

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