

Recent VHE gamma-ray results on pulsar wind nebulae with H.E.S.S.

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The H.E.S.S. experiment (High Energy Stereoscopic System) is an array of imaging Cherenkov telescopes for the detection of gamma-rays in the energy domain above 100 GeV. Its improved sensitivity (a few percent of the Crab Nebula flux) and angular resolution (~ 0.1 degree per event) in comparison to other instruments and the large field of view of 5 degrees makes H.E.S.S. perfectly suited for the study of Galactic sources. In particular, gamma-ray emission from several pulsar wind nebulae (PWNe) has been detected in dedicated observations and in the survey of the Galactic plane begun in 2004. Here we report recent results on PWNe observed with H.E.S.S. A summary of the properties of the PWNe detected so far and of possible associations of VHE sources with PWNe is also presented.