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Recent H.E.S.S. highlights and status

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The High Energy Stereoscopic System (H.E.S.S.) is an hybrid array of five imaging atmospheric Cherenkov telescopes located in the Khomas Highlands of Namibia to study gamma-ray emission in the energy range from several ten GeV up to several ten TeV. Started 20 years ago, stereoscopic observations provide an unprecedented view of a variety of astrophysical objects, from pulsars and supernova remnants in the Milky Way to active galactic nuclei and gamma-ray bursts at cosmological distances. Located in the Southern hemisphere, H.E.S.S. allows for exclusive observations of the Milky Way and the Galactic centre region. The array has been upgraded with new cameras. Hardware upgrades and changes in the operational procedures increased the amount of observing time, which is of key importance for time-domain science. I will present the status of the H.E.S.S. experiment and discuss its latest highlights including observations of Galactic novae, pulsars, supernovae, inner Galactic halo, gravitational wave follow-ups, and searches for Pevatrons and dark matter.

Summary

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