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Recent highlights from very-high-energy gamma-ray instruments

The very-high-energy gamma-ray sky grows ever more populated, with over 200 sources. The current-generation imaging atmospheric Cherenkov telescope arrays, VERITAS, H.E.S.S. and MAGIC, have collected over a decade of observations covering an energy range from tens of GeV to tens of TeV, while HAWC has collected several years of survey observations in the TeV to 100 TeV energy range. These datasets play a key role in studies of astrophysical particle acceleration as well as fundamental physics studies such as the search for astrophysical dark matter. This talk covers a variety of recent highlights from the current-generation instruments, including the recent detection of the blazar TXS 0509+056 as a TeV-emitter. Future prospects with the next-generation instruments are also discussed.

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