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## The H.E.S.S. Galactic plane survey

*Tuesday, August 4, 2015 2:00 PM (15 minutes)*

The H.E.S.S. Galactic plane survey (HGPS) was performed with the H.E.S.S. I Cherenkov telescope array in Namibia from 2004 to 2013. Roughly ~2800 hours of high-quality observations of the Galactic disk are available in the Galactic longitude range 250 to 65 degrees and Galactic latitude range  $|b| < 3.5$  degrees. This is the first high-resolution (~0.1 deg) and sensitive (~2% Crab nebula point-source sensitivity) survey of the Milky Way in TeV gamma-rays. A diverse population of cosmic accelerators was discovered and, using the full dataset, we have compiled a catalog of ~70 sources.

In this presentation, we will show the latest survey maps and describe the source catalog construction method and results from the HGPS paper. Source population statistics and the associations of H.E.S.S. sources with pulsars, pulsar wind nebulae and supernova remnants as well as GeV sources discovered by the Fermi LAT will be discussed, along with a few new discoveries.

### Collaboration

H.E.S.S.

### Registration number following "ICRC2015-I"

552

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