

# The TeV Gamma-ray Milky Way as seen by H.E.S.S.

*Monday 26 August 2013 14:24 (24 minutes)*

H.E.S.S. is an imaging Cherenkov telescope array in Namibia that has been observing the TeV sky during the last decade and has accumulated 3000 hours of high-quality data in a Galactic plane survey covering the region  $l = 250$  to  $65$  deg in longitude and  $|b| < 3.5$  deg in latitude.

A population of over 60 sources was discovered with pulsar wind nebulae and supernova remnants being the largest identified source classes, while about a third of the sources remain without clear identification.

In this talk I will present an overview of the H.E.S.S. Galactic plane survey with a focus on the methods, challenges and first results for a source catalog and population studies that are in preparation as well as a detailed view on the sources and diffuse emission in the Galactic centre region.

**Presenter:** DEIL, Christoph

**Session Classification:** Multi-wavelength studies of Galactic sources