

Abstract Submitted
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HAWC Observations of Galactic TeV Gamma-Ray Sources HAO ZHOU, Michigan Technological University, HAWC COLLABORATION — The High Altitude Water Cherenkov experiment, HAWC, is a ground based TeV gamma-ray observatory being built in Sierra Negra, Mexico at an altitude of 4100 meters above sea level. When complete it will be an array consisting of 300 water Cherenkov detectors, each equipped with four photomultiplier tubes that detect the Cherenkov light produced by the secondary particles of extensive air showers. One third of the array has been operating and collecting data since summer 2013 and the full array is expected to come online in fall 2014. I will present HAWC observations of known galactic gamma-ray objects, with a focus on pulsar wind nebulae, especially the pulsar wind nebula of the Geminga pulsar, which is the first pulsar that was discovered via gamma-ray observations.

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