

ABSTRACT ONLY

THE TEV GAMMA-RAY SKY OBSERVED BY HAWC AFTER ITS FIRST YEAR OF OPERATIONS

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The High Altitude Water Cherenkov (HAWC) gamma-ray observatory, located in the slopes of the Sierra Negra volcano near Puebla, México, was inaugurated in March 2015. HAWC was designed to continuously monitor the TeV gamma-ray emission from both galactic and extra galactic sources, with a technique that allows to monitor 2/3 of the sky every day, and with an order of magnitude better sensitivity than the previous generation of wide field of view gamma-ray observatories. In this talk we will report on the observation of gamma-ray sources (both point and extended sources) by HAWC and their physical properties. Several of the sources detected by HAWC during its first year of operations have not been previously observed.

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