

8th Heidelberg International Symposium on High-Energy Gamma-Ray Astronomy

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Highlights from HAWC

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The High-Altitude Water Cherenkov (HAWC) Observatory in Puebla, Mexico, is a wide field of view (FoV) gamma-ray survey instrument. It effectively covers nearly two-thirds of the entire sky, spanning declinations from -31° to $+69^\circ$. HAWC's wide FoV and high-duty cycle offer advantages for the continuous observation of astrophysical objects such as like pulsar wind nebulae (PWNe), TeV-halos, binaries, star-forming regions, supernova remnants (SNRs) and active galactic nuclei (AGN). With the release of its pass 5 reconstruction data, HAWC has enhanced both statistics and algorithmic precision, providing more accurate data for identifying cosmic-ray accelerators from both galactic and extragalactic sources. In this presentation, I will highlight the latest discoveries in the very-high-energy (VHE) gamma-ray sky survey carried out with HAWC.

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