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Highlights from the HAWC Observatory

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The High Altitude Water Cherenkov (HAWC) observatory is a wide-field survey instrument sensitive to cosmic rays and gamma rays in the energy range from a few hundred GeV to >100 TeV. Located in the state of Puebla, Mexico at 4100 m above sea level, HAWC has been fully operational for over 3 years, since its inauguration in March 2015. In this talk, I will highlight recent results from HAWC, including both Galactic and extragalactic gamma-ray sources as well as cosmic-ray observations. I will also discuss HAWC's role in several multimessenger studies, focusing on what we can learn in conjunction with neutrinos observed by IceCube and HAWC observations of GRBs in the context of gravitational waves.

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