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Observations of the Crab Nebula with Early HAWC Data

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The High Altitude Water Cherenkov (HAWC) Observatory is a TeV gamma-ray detector which has been completed in early 2015. HAWC started science operations in August 2013 with a fraction of the detector taking data. Several known gamma-ray sources have been already detected with the first HAWC data. Among these sources, the Crab Nebula, the brightest steady gamma-ray source at very high energies in our Galaxy, has been detected with high significance. In this contribution I will present the results of the observations of the Crab Nebula with HAWC, including time variability, and the detector performance based on early data.

Collaboration

HAWC

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