

HAWC Study of HESS J1857+026 for a Multiwavelength Study Effort

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The High Energy Stereoscopic System (H.E.S.S.) collaboration reported the emission of two sources HESS J1857+026 and HESS J1858+0200 with no known counterparts. The High Altitude Water Cherenkov (HAWC) collaboration confirmed the detection in their 3HWC catalog with an association to 3HWC J1857+027. We present a multi-source fitting analysis of the HESS J1857+026 region as part of a multi-wavelength study effort to uncover its emission mechanisms. Using ~2860 days of Pass 5 observations from the HAWC observatory, we now resolve the emission from both sources in the region beyond tens of TeV and find a cutoff in the emission for HESS J1857+026 for energies beyond ~30 TeV.

Collaboration you are representing

HAWC

Authors: ZHOU, Hao (Tsung-Dao Lee Institute, Shanghai Jiao Tong University); TORRES ESCOBEDO, Ramiro (上海交通大学)

Presenter: TORRES ESCOBEDO, Ramiro (上海交通大学)

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