

Energy dependent morphology of the pulsar wind nebula HESS J1825-137 in the GeV domain

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HESS J1825-137 is the archetypal example of energy-dependent morphology within a pulsar wind nebula. In a deep analysis with ten years of Fermi-LAT data, we measure continued energy dependence into the GeV regime. Combining GeV and TeV data yields new insights into the evolutionary history of the system. We use a multi-zone model to reproduce simultaneously the spectral and morphological properties of the nebula.

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