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Searching for Gamma-Ray Counterparts of IceCube Neutrino Events in the AGILE Public Archive

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The search for gamma ray counterparts of IceCube neutrino events is crucial for understanding the role of blazars as possible sources of cosmic neutrinos. We have searched the counterparts for IceCube neutrinos events in the AGILE gamma-ray satellite public archive in the interval 2018-2020.

We present the candidate sources in the regions centered on the detected neutrinos and their light curves and Spectral Energy Distributions, providing estimates of the gamma ray flux above 100 MeV for the AGILE detections. The possible associations with blazars are discussed.

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