

Searching for misaligned active galactic nuclei among blazar candidates in the Fourth Fermi-LAT catalog

Friday, April 16, 2021 6:59 PM (3 minutes)

Radio-loud sources with blazar-like properties, but having a jet that does not directly point in the direction of the observer are among the most interesting classes of gamma-ray emitters. These sources are known as Misaligned Active Galactic Nuclei (MAGN). We searched for new MAGN candidates among the remaining blazars of uncertain type detected by the Fermi Large Area Telescope (LAT) using a methodology based on characterizing their radio morphology. We identified 10 new candidates associated with gamma-ray sources. Their features are consistent with a source with a misaligned relativistic jet consistent with the definition of MAGN.

Primary author: CHIARO, Graziano

Presenter: CHIARO, Graziano

Session Classification: AGN-3

Track Classification: AGN