

# Exploring the nature of a possible neutrino source MGRO J1908+06

*Thursday, August 30, 2018 5:40 PM (0:17)*

## Abstract content

MGRO J1908+06 is an unidentified bright TeV source. It has been proposed to be one of the most likely neutrino sources. However, no counterpart of MGRO J1908+06 has been detected at other wavelengths, and its nature remains unknown. PSR J1907+0602 is a 106.6 ms gamma-ray pulsar with high spin down power ( $\sim 2.8 \times 10^{36}$  erg/s) and is spatially associated with MGRO J1908+06. By analyzing Fermi/LAT and multi-wavelength data, we explore the possibility of MGRO J1908+06 being a PWN powered by PSR J1907+0602.

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**Session Classification :** Gamma Rays

**Track Classification :** Gamma-rays