

Testing high energy neutrino emission from the Fermi Gamma-ray Space Telescope Large Area Telescope (4LAC) sources.

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We present a study which pretends to correlate the IceCube muon neutrinos with sources detected by Fermi-LAT in 10 years of observations in MeV-TeV energy range. For each spatial correlation the broadband Spectral Energy Distribution is build. We pretend to describe this SEDs assuming a leptonic scenario. If the SED disagree with a leptonic scenario a hadronic scenario is proposed. Assuming now a lepto-hadronic scenario through p-gamma interactions a hadronical gamma-ray and neutrino flux are expected due the photo-pion processes. Also, a study in light curve in the energy range from MeV to TeV in scale of months are applied in order to find possible flare emission near of the neutrino detection.