

Mrk501 campaign, June - September 2020

MW campaign on Mrk501 (2020)

The Fermi/LAT team is organizing a multi-wavelength campaign on the blazar Markarian 501, starting on June 2020 and finishing on September 2020. Initially we intended to start on March 2020, but due to Covid-19, many instruments were not operational, and we had to postpone the beginning of the observations until June 2020.

This proposed time interval provides with good visibility for optical/TeV instruments. An important observational goal for this time interval is to sample every 3-4 days the peaks of the 2 components in the SED of Mrk501 (optical/X-ray and GeV/TeV)

This is a continuation of the multi-instrument and multi-year project we started back in 2009. The main goal of the campaign is to study the flux and spectral evolution of the broad-band emission (from radio to multi-TeV) over a long baseline and over timescales as short as one day (or hours/minutes if the source flares). This multifrequency data set will allow us to understand better the underlying physics in Mrk501, as well as in High frequency Peaked BL Lacs in general.

Please contact David Paneque (dpaneque@slac.stanford.edu) if you have telescope time and are interested in joining this campaign.

For this campaign, the policy on data sharing will be: if you observe and send data that can be used, you are a co-author of a resulting multiwavelength publication unless you just want an acknowledgment. Anyone who contributes data keeps the right to publish those data separately. Yet those separate publications should be done in a coordinated way, so that we try to have the (potential) single instrument publications close in time to the multiwavelength publication.