Multi-wavelength campaign on 3C 279, December 2013 - March 2014

Multi-wavelength campaign on 3C 279 [flux and polarization monitoring]

The Fermi/LAT team is organizing **an intraday** and a **long-term multi-wavelength** campaign on the FSRQ 3C 279.

This time interval will provide us an opportunity to densely follow the ongoing flaring activity at gamma-rays (ATEL #5680, #5682) with good visibility for radio/optical/TeV instruments. This multi-frequency data set will allow us to understand the origin and location of high-energy emission in blazars. The main goal is to examine whether or not intraday flux variability and long-term flux variations have same physical origin.

1. Intraday multi-wavelength campaign : from December 24, 2013 to January 02, 2014.

The goal for this time interval is to sample flux and polarization data of the source every few minutes. The main goal of the campaign is to study the flux and spectral evolution of the broad-band emission (from radio to TeV) over a long baseline and over timescales as short as one day (or hours/minutes).

2. Long-term multi-wavelenth campaign : from December 24, 2013 to end of March 2014.

The goal for this time interval is to sample the flux and polarization data every two-to-three days. The long-term observations will be complemented by high-resolution VLBI observations.

Please contact Bindu Rani (brani@mpifr-bonn.mpg.de) if you have telescope time and are interested in joining these campaigns.

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.