

MW Campaign on the blazar Markarian 421

Jan 20th, 2009 – May 31st, 2009

Dense coverage of the source during long time (4+ months)

- > We aimed to sample the 2 main energy bumps (X-rays/Gamma) once every 2 days
- > Coverage (with significance) of the GeV energies for the first time (**Fermi**)

Instruments that participated and Observing Schedule

http://www.slac.stanford.edu/~dpaneque/MW_Mrk421_2009/Obs.html

Roadmap for publication of the collected data

- 1) Fermi view of Mrk421 (~1 year), with the Overall SED during the MW campaign.
- 2) Multi-frequency variability from Mrk421 observed during the campaign
- 3) Time evolution of the spectral energy distribution of Mrk421 during the campaign

*Ideas for additional publications might show up while working on the previous ones
The author list in these publications will be the list of people who bring data which are used
in the MWL publication, as well as people contributing to the physical interpretation of the
results.*

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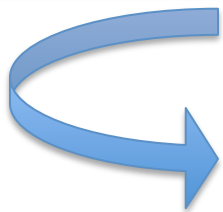
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Estimated time for final draft: 1 month

Collection of MW data for the publication #1

Instruments whose data is ready (or almost ready)

GASP radio
OVRO
VLBA
GRT
WIRO
GASP Optical
Swift/XRT
RXTE/PCA
Fermi
MAGIC

Instruments whose data reduction is still pending

Medicina/Noto
Effelsberg
New Mexico Skies
OAGH
Swift/UVOT
Suzaku
Swift/BAT
Whipple

Estimated time of arrival

Mid August
???
???
Mid August
Mid August
???
Mid August
???

VERITAS observations were performed during bad atmospheric conditions and data cannot be used

Data provided to me are uploaded and available to the MW participants at the data base:
https://www.slac.stanford.edu/exp/glast/MW/Mrk421_2009/Protected/Html/DataAccess.html