

Fermi meets Jansky - Program

Monday June 21

- 08:00- *Registration*
- 08:50-09:10 J. A. Zensus: *Welcome and aims of the workshop*
09:10-11:00 Session I: *AGN in the gamma-ray and radio skies (Chair: M. Kadler)*
- 09:10-09:50 B. Lott: *General properties of Fermi/LAT blazars (Review)*
 09:50-10:20 G. Tosti: *The gamma-ray blazar population*
 10:20-10:40 M. Giroletti: *The radio–gamma-ray connection in AGNs in the era of Fermi/LAT*
 10:40-11:00 E. Mahony: *Identifying Fermi-LAT AGN using high-frequency radio surveys*
- 11:00-11:30 *Coffee break*
- 11:30-13:00 Session II: *Blazar emission models (Chair: A. Readhead)*
- 11:30-12:10 M. Böttcher: *Models for the spectral energy distributions and variability of blazars (Review)*
 12:10-12:30 R. Schlickeiser: *Combined synchrotron and non-linear synchrotron-self-Compton cooling of relativistic electrons*
 12:30-12:45 S. Vincent: *Electromagnetic cascade in the vicinity of a supermassive black hole*
 12:45-13:00 J. Rachen: *Radio-sub-mm flares from blazars in a discontinuous jet model*
- 13:00-14:30 *Lunch break (Canteen, 3rd floor)*
- 14:30-16:10 Session III: *Radio variability of gamma-ray AGN (Chair: M. Tornikoski)*
- 14:30-15:10 M. Aller: *Probing the physics of gamma-ray blazars with single-dish monitoring data (Review)*
 15:10-15:30 E. Valtaoja: *From EGRET to Fermi: mm-radio data and the origin of gamma-ray emission*
 15:30-15:50 W. Max-Moerbeck: *The relation between the radio and gamma-ray emission in blazars from 15 GHz monitoring with the OVRO 40-m Telescope and Fermi observations*
 15:50-16:10 E. Angelakis: *The F-GAMMA program: multi-wavelength AGN studies in the Fermi-GST era*
- 16:10-16:30 *Coffee break*
- 16:30-18:10 Session IV: *Multi-frequency studies I - Tools (Chair: G. Tosti)*
- 16:30-17:10 J. Scargle: *Cross-analyzing radio and gamma-ray time series data: Fermi marries Jansky (Review)*
 17:10-17:40 J. Finke: *Modeling AGN spectral energy distributions with leptonic models*
 17:40-18:10 S. Jorstad: *Localization of the gamma-ray emission site using multi-waveband data and mm-VLBI*
- 18:10-19:30 *Poster session and reception (in room H0.01)*

Tuesday June 22

- 09:00-11:00 Session V: *VLBI observations of gamma-ray AGN I (Chair: J. A. Zensus)*
- 09:00-09:40 A. Lobanov: *Physical properties of blazar jets from VLBI observations (Review)*
 09:40-10:10 M. Lister: *Parsec-scale jet properties of Fermi-detected AGN*
 10:10-10:30 A. Pushkarev: *Radio-gamma time delay in the cores of AGN*
 10:30-10:45 Y. Kovalev: *VLBI ejections in gamma-ray bright AGN jets*
 10:45-11:00 K. Sokolovsky: *Constraints on the gamma-ray emitting region in blazars from multi-frequency VLBI measurements*
- 11:00-11:30 *Coffee break*
- 11:30-13:00 Session VI: *VLBI observations of gamma-ray AGN II (Chair: K. Kellermann)*
- 11:30-11:50 A. Marscher: *Rapid variability of gamma-ray emission from sites near the 43 GHz cores of blazar jets*
 11:50-12:10 F. Schinzel: *Radio flaring activity of 3C 345 and its connection to gamma-ray emission*
 12:10-12:30 R. Ojha: *The TANAMI program*
 12:30-12:45 F. Mantovani: *A new sample of faint blazars*
 12:45-13:00 G. Giovannini: *The jet in M87 from e-EVN observations*
- 13:00-14:30 *Lunch break (Canteen, 3rd floor)*
- 14:30-16:00 Working Groups (in rooms H0.02, EK09, 3.25)
- WG1: *Location of the gamma-ray emitting regions in blazars from the perspective of both observations and theory (Chair: M. Kadler)*
- WG2: *Multi-wavelength studies to determine the SEDs and probe the physics of the blazar zone in gamma-ray bright extragalactic radio sources (Chair: M. Böttcher)*
- WG3: *Understanding the population properties of gamma-ray bright AGN. Identifying unassociated gamma-ray sources. (Chair: C. Cheung)*
- 16:00-16:30 *Coffee break*
- 16:30-17:50 Session VII: *Jet physics (Chair: E. Valtaoja)*
- 16:30-17:00 R. Blandford: *"Observed" radio and gamma-ray emission from simulated jets*
 17:00-17:30 P. Hardee: *M87 and the dynamics and microphysics inside the blazar zone*
 17:30-17:50 M. Lyutikov: *Resolving the Doppler-factor crisis in AGNs: non-steady magnetized outflows*
- 19:30-22:00 *Conference dinner at Restaurant DaCapo*

Wednesday June 23

- 09:00-10:45 Session VIII: *Multi-frequency studies II - Observations & Results*
(Chair: S. Vercellone)
- 09:00-09:30 L. Fuhrmann: *Recent multi-wavelength monitoring campaigns in the Fermi-GST era*
09:30-10:00 F. D'Ammando: *Monitoring of gamma-ray blazars with AGILE*
10:00-10:15 C.-S. Chang: *The broadband spectral energy distribution of the MOJAVE sample*
10:15-10:30 I. Agudo: *The multi-spectral-range behavior of OJ 287 in 2006-2010*
10:30-10:45 W. McConville: *The unusual radio & gamma-ray properties of the quasar 4C+55.17*
- 10:45-11:15 *Coffee break*
- 11:15-12:45 Session IX: *Non-blazar gamma-ray AGN* (Chair: E. Ros)
- 11:15-11:45 C. Cheung: *Non-blazar gamma-ray AGN*
11:45-12:05 K. Kellermann: *NGC 1275: then and now*
12:05-12:25 H. Nagai: *VLBI monitoring of 3C84 in a gamma-ray active phase*
12:25-12:45 R. Protheroe: *Centaurus A as a cosmic ray accelerator*
- 12:45-14:15 *Lunch break (Canteen, 3rd floor)*
- 14:15-15:45 Session X: *Workshop summary* (Chair: A. Marscher)
- 14:15-14:35 *WG1 Summary*
14:35-14:55 *WG2 Summary*
14:55-15:15 *WG3 Summary*
15:15-15:45 *Final discussion*
- 15:45-16:15 *Coffee*

Posters (in room H0.01)

- P1. M. Böck et al.: *The gamma-ray properties of radio-selected extragalactic jets*
- P2. D. Gasparrini et al. : *Study of a microwave selected sample at gamma-ray energies*
- P3. T. Arshakian et al.: *Multi-band properties of superluminal AGN detected by Fermi/LAT*
- P4. M. Orienti & G. Migliori: *Young radio sources: a gamma-ray perspective*
- P5. T. Pursimo et al.: *Redshift properties of MASIV sources*
- P6. S. Trippe et al.: *The first IRAM/PdBI polarimetric millimeter survey of AGN*
- P7. M. Kino & K. Asano: *Hadronic gamma-ray emission from extragalactic mini radio lobes*
- P8. M. Tornikoski et al.: *Study of a complete sample of radio-bright AGNs: properties of gamma-ray bright and gamma-ray faint radio sources in the first year of Fermi operations*
- P9. E. Nieppola et al.: *Correlations between the Fermi/LAT gamma-ray and 37 GHz radio properties of AGN averaged over 11 months*
- P10. J. León-Tavares et al.: *The connection between gamma-ray emission and radio flares in Fermi/LAT blazars*
- P11. C. Fromm et al.: *Shock-shock interaction in the jet of CTA102*
- P12. S. Vercellone et al.: *Long-term multi-wavelength monitoring of the blazar 3C454.3*
- P13. M. Giroletti et al.: *Revealing the jets of the faintest BL Lacs*
- P14. T. Hovatta et al.: *Gamma-ray duty cycle in bright parsec-scale AGN jets*
- P15. F. Hungwe et al.: *VLBI monitoring of the bright gamma-ray blazar PKS 0537-441*
- P16. Z.-B. Zhang: *Superluminal motion in AGNs and GRBs*
- P17. K. Nalewajko: *Gamma-ray emission from mini-jets*
- P18. C. Müller et al.: *Sub-parsec scale imaging of Centaurus A*