

Program for TGF Workshop 2011

Tuesday 2011 July 12

18:00 -- 20:00 opening reception Shelby Center Room 301

Wednesday 2011 July 13

8:30 -- 9:00 breakfast Business Admin Bldg Room 222

9:00 -- 9:10 Welcome Business Admin Bldg Room 123

9:10 -- 9:50 I1: J. Dwyer: Understanding the source mechanisms of terrestrial gamma-ray flashes

9:50 -- 10:10 C1: U. Ebert: Electron run-away from streamers and leaders

10:10 -- 10:30 break & poster setup

10:30 -- 10:50 C2: B. E. Carlson: The TGF source luminosity distribution

10:50 -- 11:10 C3: S. Arabshahi: The role of the runaway breakdown – extensive air showers in thundercloud processes

11:10 -- 11:30 C4: S. Foley: Temporal Properties of Fermi TGFs

11:30 -- 11:50 C5: N. Ostgaard: Occurrence frequency and fluence of TGFs (by Carlson)

11:50 -- 13:00 lunch Shelby Center Room 301

13:00 -- 13:40 I2: A. Chilingarian: Thunderstorm ground enhancements (TGEs) surface analog of the TGFs

13:40 -- 14:00 C6: R. A. Ringuette: Ground-based Observations of Terrestrial Gamma-Ray Flashes

14:00 -- 14:20 C7: S. Gupta: Search for particle acceleration during thunderstorm activity with the GRAPES-3 tracking muon detector

14:20 -- 15:00 poster talks

15:00 -- 16:00 break & poster viewing

16:00 -- 16:45 panel discussion: TGF sample differences

18:00 Banquet

Thursday 2011 July 14

8:30 -- 9:00 breakfast

9:00 -- 9:40 I3: M. Marisaldi: AGILE Observations of Terrestrial Gamma-Ray Flashes

9:40 -- 10:00 C8: G. J. Fishman: Observations of TGFs with BATSE

10:00 -- 10:20 C9: D. Smith: Status of ADELE and RHESSI observations

- 10:20 -- 10:40 break
- 10:40 -- 11:00 C10: M. S. Briggs: More TGFs from GBM
- 11:00 -- 11:20 C11: V. Connaughton: What can geolocated sferics tell us about Terrestrial Gamma-ray Flashes
- 11:20 -- 11:40 C12: P.-L. Blelly: The new XGRE instrument onboard TARANIS mission
- 11:40 -- 12:50 lunch
- 12:50 -- 13:10 data availability discussion with instrument teams
- 13:10 -- 13:50 I4: G. Lu: Implications of radio frequency measurements for lightning processes associated with terrestrial gamma-ray flashes
- 13:50 -- 14:10 C13: M. Hutchins: Relative power of terrestrial gamma ray flash correlated lightning stroke to local stroke activity
- 14:10 -- 14:30 C14: S. Cummer: The lightning-TGF relationship on microsecond timescales
- 14:30 -- 15:10 break & poster viewing
- 15:10 -- 15:30 C15: J. Montanya: Research on X rays produced by natural cloud-to-ground lightning in Spain
- 15:30 -- 15:50 C16: open / late breaking

Posters

- P1: P. H. Bhat: Effects of recording dead time and pulse pile-up in the TGF data recorded by GBM
- P2: E. S. Cramer: Accurately Modeling Terrestrial Gamma-Ray Flashes Observed with GBM
- P3: J. E. Grove: Search for Terrestrial Gamma-ray Flashes with Fermi LAT
- P4: C. Koehn: Modeling Bremsstrahlung and calculating energies and angles of hard photons ahead of lightning leaders
- P5: S. Sadighi: Streamer Emission from Thundercloud Hydrometeors
- P6: T. Sakamoto: Sprite observations by GRT-WF: - Correlative study of Sprites and TGFs.
- P7: F. São Sabbas: Cosmic Ray Count Rate Increases Associated with Thunderstorm Electric Field Variations
- P8: M. Schaal: Electron Luminosity Measurements from Natural and Rocket-and-Wire Triggered Lightning using the Thunderstorm Energetic Radiation Array (TERA)
- P9: M. Splitt: Thunderstorm morphology of WLLN located Terrestrial Gamma-Ray Flashes observed by FERMI-GBM
- P10: S. Xiong: Location prediction of Electron TGFs