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

11:40 -- 12:50    lunch

12:50 -- 13:10    data availability discussion with instrument teams
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. Montanyà: 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 WWLLN located Terrestrial Gamma-Ray Flashes observed by FERMI-GBM
P10: S. Xiong: Location prediction of Electron TGFs