

# 8th AGILE Mini-Workshop

## The Third Birthday

28 April 2010

Conference Centre, Bologna Research Area, via Gobetti 101, Bologna

### Scientific Program

- 10:00-10:10 Welcome
- 10:10-10:30 AGILE and gamma-ray blazars: highlights and perspectives (S. Vercellone, INAF-IASF Palermo)
- 10:35-10:55 The extreme ends of the spectrum: the radio/gamma connection (M. Orienti, INAF-IRA Bologna)
- 11:00-11:20 The AGILE view on Galactic Gamma Ray Sources (F. Longo, INFN Trieste)
- 11:25-11:45 Supernova Remnants and Pulsar Wind Nebulae as a Gamma-Ray source class. The Fermi view (F. Giordano, INFN Bari)
- 11:50-12:10 Coffee Break
- 12:10-12:30 Observation of Gamma-Ray Bursts with AGILE (E. Del Monte, INAF-IASF Roma)
- 12:35-12:55 High Energy emission from GRB: insights and questions in the AGILE/Fermi era (S. McGlynn, KTH Stockholm)
- 13:00-13:20 The AGILE Data Center data archive and processing, Guest Observer Program and AO3 (C. Pittori, ASDC)
- 13.30- 14:30 Lunch
- 14:30-17:00 **Special session: Terrestrial Gamma-ray Flashes (TGFs) and atmospheric physics: from cloud electrification to energetic radiation**
- 14:30-14:50 Mechanisms of cloud electrification (F. Prodi, CNR-ISAC Bologna)
- 14:55-15:15 Observation of TGFs with AGILE: the current status (M. Marisaldi, INAF-IASF Bologna)
- 15:20-15:40 The ASIM mission and TGF science (N. Ostgaard, Univ. of Bergen)
- 15:45-16:05 Observation of TLEs and their impact on the chemistry of the atmosphere (E. Arnone, Univ. Bologna)
- 16:10-16:30 Characterization of storm systems by means of microwave observations from satellite and concurrent lightning measurements (A. Mugnai, CNR-ISAC Roma)
- 17:00-17:30 AGILE Scientific Perspectives, Conclusions (M. Tavani, INAF and Univ. TOV)