

Caito Letizia

Position: PhD student

Period covered: November 2007 – present



I Scientific Work

She works on the analysis of Gamma-Ray bursts (GRBs), making theoretical simulations based on the *Fireshell* model and comparing them with observational data, in order to infer theoretical implications and interpretation about GRBs. In particular, she has worked on the investigation of a possible intermediate new class of *fake* short bursts.

II Conferences and educational activities

Conferences and Other External Scientific Work

- "2nd Kolkata Conference on Observational Evidence for Black Holes in the Universe", held in Kolkata, India, from February 10th to 15th, 2008 and "Satellite Meeting on Black Holes, Neutron Stars, and Gamma-Ray Bursts", held in Kolkata, India, from February 16th to 17th, 2008
- "3rd Stueckelberg workshop on relativistic field theories", held in Pescara, Italy, from July 8th to 18th, 2008
- "XIII Brazilian School of Cosmology and Gravitation", held in Mangaratiba (Rio De Janeiro), Brazil, from July 20th to August 2nd, 2008
- "Probing stellar populations out to the distant universe", international meeting held in Cefalu' (Palermo), Italy, from September 14th to 19th, 2008

III 2007-2008 List of Publication

The Amati relation in the fireshell model, Roberto Guida, Maria Grazia Bernardini, Carlo Luciano Bianco, Letizia Caito, Maria Giovanna Dainotti, Remo Ruffini, *A&A Lett* 487 (2008) 37-40.

GRB970228 and a class of GRBs with an initial spikelike emission, Maria Grazia Bernardini, Carlo Luciano Bianco, Letizia Caito, Maria Giovanna Dainotti, Roberto Guida, Remo Ruffini, *A&A Lett.* 474 (2007) 13-17.

GRB060218 and GRBs associated with Supernovae Ib/c, Maria Giovanna Dainotti, Maria Grazia Bernardini, Carlo Luciano Bianco, Letizia Caito, Roberto Guida, Remo Ruffini, *A&A Lett.* 471 (2007) 29-32.

Letizia Caito was born in Roma in 1981. She received her diploma in physics from Sapienza University of Roma in May 2006. In November of the same year she was admitted to the International Relativistic Astrophysics Ph.D. Program (IRAP PhD). She is currently attending the third year of her PhD