

de Barros, Gustavo

Position:

IRAP PhD – Fifth Cycle, 2006-09

Current position:

Professor Adjunto Centro Universitário da Zona Oeste – OEZO



Publications:

-) Patricelli, B.; Bernardini, M. G.; Bianco, C. L.; Caito, L.; de Barros, G.; Izzo, L.; Ruffini, R.; Vereshchagin, G. V.; "Analysis of GRB 080319B and GRB 050904 within the Fireshell Model: Evidence for a Broader Spectral Energy Distribution"; The Astrophysical Journal, 756 (2012), id. 16; DOI: 10.1088/0004-637X/756/1/16

-) Bianco, C. L.; Amati, L.; Bernardini, M. G.; Caito, L.; De Barros, G.; Izzo, L.; Patricelli, B.; Ruffini, R.; "The class of "disguised" short GRBs and its implications for the Amati relation"; Memorie della Società Astronomica Italiana Supplement, 21 (2012), 139.

-) Patricelli, B.; Bernardini, M. G.; Bianco, C. L.; Caito, L.; de Barros, G.; Izzo, L.; Ruffini, R.; Vereshchagin, G.; "High Energetic Gamma Ray Bursts and Their Spectral Properties Within the Fireshell Model"; International Journal of Modern Physics: Conference Series, 12 (2012), pp. 385-389; DOI: 10.1142/S2010194512006599.

-) Bianco, C. L.; Bernardini, M. G.; Caito, L.; De Barros, G.; Izzo, L.; Muccino, M.; Patricelli, B.; Penacchioni, A. V.; Pisani, G. B.; Ruffini, R.; "Needs for a new GRB classification following the fireshell model: "genuine short", "disguised short" and "long" GRBs"; Proceedings of the Gamma-Ray Bursts 2012 Conference (GRB 2012). May 7-11, 2012. Munich, Germany.

-) de Barros, G.; Amati, L.; Bernardini, M. G.; Bianco, C. L.; Caito, L.; Izzo, L.; Patricelli, B.; Ruffini, R.; "On the nature of GRB 050509b: a disguised short GRB"; Astronomy & Astrophysics, 529 (2011), A130; DOI: 10.1051/0004-6361/201116659.

-) Caito, L.; Amati, L.; Bernardini, M. G.; Bianco, C. L.; de Barros, G.; Izzo, L.; Patricelli, B.; Ruffini, R.; "GRB 071227: an additional case of a disguised short burst"; Astronomy and Astrophysics, 521 (2010), A80; DOI: 10.1051/0004-6361/201014640.

-) Patricelli, B.; Bernardini, M. G.; Bianco, C. L.; Caito, L.; de Barros, G.; Izzo, L.; Ruffini, R.; "Black Holes in Gamma Ray Bursts"; AIP Conference Proceedings, 1279 (2010), pp. 406-408, DOI: 10.1063/1.3509327.

-) Bianco, Carlo Luciano; Bernardini, Maria Grazia; Caito, Letizia; de Barros, Gustavo; Izzo, Luca; Patricelli, Barbara; Ruffini, Remo; "Disguised Short Bursts and the Amati Relation"; AIP Conference Proceedings, 1279 (2010), pp. 299-301; DOI: 10.1063/1.3509290.

-) Ruffini, Remo; Aksenov, Alexey G.; Bernardini, Maria Grazia; Bianco, Carlo Luciano; Caito, Letizia; Chardonnet, Pascal; Dainotti, Maria Giovanna; de Barros, Gustavo; Guida, Roberto; Izzo, Luca; Patricelli, Barbara; Lemos, Luis Juracy Rangel; Rotondo, Michael; Hernandez, Jorge Armando Rueda; Vereshchagin, Gregory; Xue, She-Sheng; "The Blackholic energy and the canonical Gamma-Ray Burst IV: the "long," "genuine short" and "fake-disguised short" GRBs"; XIII Brazilian School on Cosmology and Gravitation (XIII BSCG); AIP Conference Proceedings, 1132 (2009), pp. 199-266; DOI: 10.1063/1.3151839.

-) Ruffini, Remo; Aksenov, Alexey; Bernardini, Maria Grazia; Bianco, Carlo Luciano; Caito, Letizia; Dainotti, Maria Giovanna; de Barros, Gustavo; Guida, Roberto; Vereshchagin, Gregory; Xue, She-Sheng; "The canonical Gamma-Ray Bursts: long, "fake"- "disguised" and "genuine" short bursts"; AIP Conference Proceedings, 1111 (2009), pp. 325-332; DOI: 10.1063/1.3141569.

-) de Barros, G.; Aksenov, A.; Bianco, C. L.; Ruffini, R.; Vereshchagin, G.; "Fireshell versus Fireball scenarios"; AIP Conference Proceedings, 1065 (2008), pp. 234-237; DOI: 10.1063/1.3027919.

-) e Barros, G.; Bernardini, M. G.; Bianco, C. L.; Caito, L.; Dainotti, M. G.; Guida, R.; Ruffini, R.; "Is GRB 050509b a "genuine" short GRB?"; AIP Conference Proceedings, 1065 (2008), pp. 231-233; DOI: 10.1063/1.3027918.

-) Ruffini, Remo; Aksenov, Alexey G.; Bernardini, Maria Grazia; Bianco, Carlo Luciano; Caito, Letizia; Dainotti, Maria Giovanna; de Barros, Gustavo; Guida, Roberto; Vereshchagin, Gregory V.; Xue, She-Sheng; "The canonical Gamma-Ray Bursts and their "precursors""; AIP Conference Proceedings, 1065 (2008), pp. 219-222; DOI: 10.1063/1.3027915.

Meetings, conferences, seminars, schools:

- 2006. November 28, December 17 – "Gravitational waves, relativistic astrophysics and cosmology" doctoral School, Institut Henry Poincaré – Université Pierre et Marrie Curie. Paris (France)

- 2006. December 11-15. "High Energy, Cosmology and Strings" Paris - France.

- 2007. February 25, March 3 - César Lattes Meeting on GRBs, black holes and supernovae. Rio de Janeiro – Brasil

- 2007. June 25-30. "X Italian-Korean Symposium on Relativistic Astrophysics", Pescara - Italia

- 2007. July 20-30. "IV Italian-Sino Workshop on Relativistic Astrophysics", Pescara - Italia

- 2007. September, 16-22 - National School of Astrophysics, 9o cycle, 2o course. Isola di San Servolo - Venezia (Italy)

- 2008. February, 10-15 - Observational evidences for Black-holes in the universe. Kolkata (India)
- 2008. February, 16-17 - Black-holes, Neutron Stars and Gamma ray bursts. Kolkata (India)
- 2008. June, 23-27 - Nanjing GRB conference. Nanjing (China)
- 2008. July, 8 -18 – Third Stueckelberg Workshop on Relativistic Field Theories. Pescara (Italy)
- 2008. July 20, August 2 - XIII Brazilian School of Cosmology and Gravitation. Rio de Janeiro (Brazil)
- 2008. September, 7-19 - Probing stellar populations out to the distant universe. Cefalù (Italy)
- 2009. May 2-5 – APS Physics April Meeting, Colorado
- 2009. 6th Italian-Sino Workshop – June 29-July 1, 2009 – Pescara (Italy)
- 2009. MG12 – 12-18 July 2009. Paris (France)
- 2009. May 26-29, The sun the stars the universe and general relativity, Fortaleza/Sobral (Brazil)
- 2009. September 14-18, The Shocking Universe - Gamma Ray Burst and High Energy Shock, San Servolo, Venice, Italy.
- 2010. The Second Galileo-Xu Guangqi meeting. July 12-17, 2010 Nice France
- 2010. Irap Ph.D. Erasmus Mundus school. September 6-24, 2010 Nice France