

## De Barros Gustavo



Position: Dottorando Irap Phd

Period covered: October 2006 - present

### I Scientific Work

I am studying from the beginning, the equations of the plasma formed in the *dyadosphere*. We are trying to develop the numerical code to see the evolution of this plasma.

I fitted the GRB 050509B, which we expect to be the first “genuine” short GRB.

I studied the work of Cavallo e Rees and the work of Aksenov, Vereshchagin and Ruffini about thermalisation in pair plasma.

### II Conferences and educational activities

#### Conferences and Other External Scientific Work

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

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

**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 - Stueckelberg Workshop on Relativistic Field Theories. Pescara (Italy)

**2008** July 20, August 2 - XIII Brazilian School of Cosmology and Gravitation. Rio de Janeiro (Brasil)

**2008** September, 7-19 - Probing stellar populations out to the distant universe. Cefalù (Italy)