

Gomes de Oliveira, Fernanda

Current position:

IRAP PhD – Erasmus Mundus
Third Cycle, 2012-2015



Publications:

-) C. L. Fryer, F. G. Oliveira, J. A. Rueda, and R. Ruffini, "On the Neutron Star-Black Hole Binaries Produced by Binary-driven Hypernovae," submitted to Phys. Rev. Lett.; arXiv:1505.02809; IF: 7.645
<http://adsabs.harvard.edu/abs/2015arXiv150502809F>

-) R. Ruffini, M. Muccino, M. Kovacevic, F. G. Oliveira, J. A. Rueda, C. L. Bianco, M. Enderli, A. V. Penacchioni, G. B. Pisani, Y. Wang, and E. Zaninoni, "GRB 140619B: a short GRB from a binary neutron stars merger leading to the black hole formation," ApJ, in press, 2015; IF: 5.909
<http://adsabs.harvard.edu/abs/2015ApJ...808..190R>

-) Oliveira, F. G.; Rueda, Jorge A.; Ruffini, R., "Gravitational Waves versus X-Ray and Gamma-Ray Emission in a Short Gamma-Ray Burst"; The Astrophysical Journal, Volume 787 (2014), 150; DOI: 10.1088/0004-637X/787/2/150. <http://adsabs.harvard.edu/abs/2014ApJ...787..150O>; IF: 5.909

-) Oliveira, F. G.; Rueda, Jorge A.; Ruffini, R., chapter in Gravitational Waves Astrophysics, Springer proceeding of the 3rd Session of the Sant Cugat Forum on Astrophysics, X, Gamma-rays and Gravitational Waves emission in a Short Gamma-ray Burst, 2014.

-) Oliveira, F. G.; Rueda, Jorge A.; Ruffini, R., Gravitational Waves Emission from the Short Gamma-Ray Burst 090227B pp.390-392. Nonlinear phenomena in complex systems. An Interdisciplinary Journal, Volume 17, Number 4, 2014.

(Proceeding of Zeldovich-100 meeting (<http://www.j-npcs.org/abstracts/vol2014no4.html>))

-) M. Muccino, R. Ruffini, M. Kovacevic, F. G. Oliveira, J. A. Rueda, C. L. Bianco, M. Enderli, A. V. Penacchioni, G. B. Pisani, Y. Wang, and E. Zaninoni, GRB 140619B: a short GRB from a neutron star merger leading to the black hole formation, proceeding of Swift: 10 Years of Discovery, 2014.

Meetings, conferences, seminars, schools:

Third Bego Rencontres - IRAP Ph.D. Erasmus Mundus school - September 8th-19th 2014. Oral presentation: Gravitational Waves signals from Neutron Star Binary System.

Yerevan, Armenia - 1st Scientific ICRANet Meeting in Armenia: Black Holes: the largest energy sources in the Universe - 30 June - 4 July 2014. Oral presentation: Short-Gamma Ray Burst from Binary Neutron Star Merger and The orbital parameters of the Induced Gravitational Collapse

IRAP Ph.D. Erasmus Mundus Workshop - Supernovae, Gamma-ray bursts and the induced gravitational collapse May 11-16, 2014 - Les Houches (France). Oral presentation: Gravitational Waves versus Electromagnetic Emission in a sGRB Burst.

IRAP Ph.D. Erasmus Mundus School - February 2014 Nice Winter School- February, 23 - March, 2 – 2014 Oral presentation: Gravitational Waves versus Electromagnetic Emission in a sGRB Burst.

Sant Cugat - Spain – Forum on Astrophysics: Gravitational Waves Astrophysics – April 22 – 25, 2014 Oral presentation: Gravitational Waves versus Electromagnetic Emission in a sGRB Burst.

Zeldovich-100 Meeting, March 10-14, 2014, Minsk, Belarus - Subatomic particles, Nucleons, Atoms, Universe: Processes and Structure - International conference in honor of Ya. B. Zeldovich 100th Anniversary. Oral presentation: Short-Gamma Ray Burst from Binary Neutron Star Merger.

2013 yearly ICRANet Scientific Meeting on Relativistic Astrophysics – Pescara on the Occasion of the 50th Anniversary of the Kerr solution of the Einstein's equations June 3-19, 2013
IRAP Ph.D. Erasmus Mundus school - September 2nd - 20st, 2013

Second Bego Scientific Reencounter Meeting May 16th-31st, 2013 - University of Nice "Sophia Antipolis" (France). Oral presentation: Emission of Gravitational Waves from Neutron Stars originating from short GRB.

September 3-21, 2012 - IRAP Ph.D. Erasmus Mundus School, Nice, France. Oral presentation: Emission of Gravitational Waves from Binary System.

2nd César Lattes Meeting “Supernovae, Neutron Stars, Black Holes”, 2015, Niterói - Rio De Janeiro, April 13-18 João Pessoa, April 21, Recife - Fortaleza, April 22 Oral Presentation: Gravitational Waves Emission using the Effective-one-Body Formalism.

XIV Marcel Grossmann Meeting on Recent Developments in Theoretical and Experimental General Relativity, Gravitation, and Relativistic Field Theory, 2015, July 12-18, Rome, Italy. Oral presentation: Neutron Star Critical Mass and Short GRBs.

14th Italian-Korean Symposium on Relativistic Astrophysics, July 20-25, 2015, Pescara, Italy. Oral presentation: Final Stages of a Neutron Star Binary System.