

# Camargo Rodrigues de Lima, Rafael

## *Position:*

Capes Postdoctoral Student

International Center for Relativistic Astrophysics Network – ICRANet

Professor at UDESC (Florianópolis – SC)



## *Outcome Institution:*

Universidade Federal de Santa Catarina – UFSC

## *Publications:*

-) Jaziel G. Coelho, Rafael C. R. de Lima, Diego L. Cáceres, Jorge Rueda, Remo Ruffini, "On the nature of some SGRs and AXPs as rotation-powered neutron stars" - A&A, IF: 5.185

-) Diego L. Cáceres, Sheyse de Carvalho, Jaziel G. Coelho, Jorge Rueda, Remo Ruffini, "Thermal X-ray emission from massive, fast rotating, highly magnetized white dwarfs" - MNRAS, IF: 4.952

-) R. Camargo, F. Cipolletta, J. A. Rueda, R. Ruffini; "On the accuracy of the slow-rotation approximation in the description of neutron stars"; to be submitted.

-) D. L. Cáceres, R. Camargo, J. G. Coelho, J. A. Rueda, R. Ruffini; "CXOU J1647: canonical white dwarf and neutron star versus magnetar"; to be submitted.

-) D. L. Cáceres, R. Camargo, J. G. Coelho, J. A. Rueda, R. Ruffini; "SGRs and AXPs as rotation-powered neutron stars and white dwarfs"; submitted to ApJ.

-) R. Camargo, D. P. Menezes, J. A. Rueda, R. Ruffini; "Rapidly rotating neutron stars with relativistic mean-field hadronic models satisfying nuclear matter constraints"; in preparation.

-) R. Camargo, F. Cipolletta, D. P. Menezes, J. A. Rueda, R. Ruffini; "Slowly versus rapidly rotating neutron stars with relativistic mean-field hadronic models"; in preparation.

-) R. Camargo, J. A. Rueda, R. Ruffini, C. A. Z. Vasconcellos; "Rapidly rotating neutron stars with strong sigma-hyperon repulsion"; in preparation.

-) R. Camargo, J. A. Rueda, R. Ruffini, C. A. Z. Vasconcellos; "The effects of hyperons on the structure of rapidly rotating neutron stars"; in preparation.

-) R. C. R. de Lima, J. G. Coelho, J. A. Rueda, M. Malheiro, R. Ruffini "Analysis of the Properties of SGRs and AXPs with Realistic Neutron Star Configurations", Proc. of the 2nd César Letter meeting, "Supernovae, Neutron Stars, Black Holes", 2015, Niterói - Rio De Janeiro, April 13-18 João Pessoa, April 21, Recife - Fortaleza, April 22

*Meetings, conferences, seminars, schools:*

Third Bego Rencontres -IRAP Ph.D. Erasmus Mundus school - September 8th-19th, 2014 Nice

Yerevan, Armenia - 1<sup>st</sup>Scientific ICRANet Meeting in Armenia: Black Holes: the largest energy sources in the Universe - 30 June - 4 July 2014

IRAP Ph.D. Erasmus Mundus Workshop - Supernovae, Gamma-ray bursts and the induced gravitational collapse May 11-16, 2014 - Les Houches (France)

2<sup>nd</sup> César Lattes Meeting “Supernovae, Neutron Stars, Black Holes”, 2015, Niterói - Rio De Janeiro, April 13-18 João Pessoa, April 21, Recife - Fortaleza, April 22

XIV Marcel Grossmann Meeting on Recent Developments in Theoretical and Experimental General Relativity, Gravitation, and Relativistic Field Theory, 2015, July 12-18, Rome, Italy.