

Jaziel Goulart Coelho



Position:

Postdoctoral student at INPE
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Instituto Tecnológico de Aeronáutica - ITA

Publications:

-) J. G. Coelho, R. M. Marinho, M. Malheiro, R. Negreiros, D. L. Cáceres, J. A. Rueda, R. Ruffini; "Dynamical instability of white dwarfs and breaking of spherical symmetry under the presence of extreme magnetic fields"; *ApJ* 794, 86 (2014). <http://adsabs.harvard.edu/abs/2014ApJ...794...86C>, IF: 5.909

-) Pereira, Jonas P., Rueda, Jorge A., Coelho, Jaziel G.; "Stability of thin-shell interfaces inside compact stars", *Phys. Rev. D.* 90, 123011 (2014) <http://adsabs.harvard.edu/abs/2014PhRvD..90l3011P>; IF: 4.506

-) Cáceres, D. L. ; de Carvalho, Sheyse ; Coelho, Jaziel G. ; Rafael C. R. de Lima ; Rueda, Jorge A. "Thermal X-ray emission from massive, fast rotating, highly magnetized white dwarfs". *Monthly Notices of the Royal Astronomical Society (Print)*, vol. 465, issue 4, pp. 4434-4440. <http://dx.doi.org/10.1093/mnras/stw3047>, IF: 4.952

-) Coelho, Jaziel G.; Cáceres, D. L. ; Rafael C. R. de Lima ; Malheiro, M. ; Rueda, Jorge A. ; Ruffini, R. "The rotation-powered nature of some soft gamma-ray repeaters and anomalous X-ray pulsars" *Astronomy & Astrophysics (Berlin. Print)*, v. -, p. -, 2016. DOI: <http://dx.doi.org/10.1051/0004-6361/201629521>, IF: 5.185

-) Coelho, Jaziel g.; Pereira, Jonas p. ; Araujo, José c. N. De. "The influence of quantum vacuum friction on pulsars". *Astrophysical Journal (Online)*, v. 823, p. 97, 2016, IF: 5.909

-) De Araujo, José C.N. ; Coelho, Jaziel G. ; Costa, Cesar A. "Gravitational wave emission by the high braking index pulsar PSR J1640-4631". *Journal of Cosmology and Astroparticle Physics*, v. 2016, p. 023-023, 2016, IF: 5.634

-) Lobato, Ronaldo V. ; Malheiro, Manuel ; Coelho, Jaziel G. . Magnetars and white dwarf pulsars. *International Journal of Modern Physics D*, v. 25, p. 1641025, 2016, IF: 1.963

-) De Araujo, José C. N. ; Coelho, Jaziel G. ; Costa, Cesar A. . Gravitational waves from pulsars with measured braking index. European Physical Journal. C, Particles and Fields (Print), v. 76, p. 481, 2016, IF: 4.912

-) De Araujo, José C. N. ; Coelho, Jaziel G. ; Costa, César A. “Gravitational Waves From Pulsars And Their Braking Indices: The Role Of A Time Dependent Magnetic Ellipticity” Astrophysical Journal (Online), v. 831, p. 35, 2016, IF: 5.909

-) COELHO, JAZIEL G.; CÁCERES, D. L. ; Rafael C. R. de Lima ; Malheiro, M. ; RUEDA, JORGE A. ; RUFFINI, R. . The rotation-powered nature of some soft gamma-ray repeaters and anomalous X-ray pulsars. Astronomy & Astrophysics (Berlin. Print), v. -, p. -, 2016. DOI: <http://dx.doi.org/10.1051/0004-6361/201629521>, IF: 5.185

-) Pereira, Jonas P.; Coelho, Jaziel G.; de Lima, Rafael C. R., “Born-Infeld magnetars: larger than classical toroidal magnetic fields and implications for gravitational-wave astronomy”, The European Physical Journal C, Volume 78, Issue 5, article id. 361, 2018.

-) de Araujo, José C. N.; Coelho, Jaziel G.; Costa, Cesar A., “Gravitational waves from pulsars in the context of magnetic ellipticity”, The European Physical Journal C, Volume 77, Issue 5, article id.350, 2017.

-) Lobato, Ronaldo V.; Coelho, Jaziel G.; Malheiro, M., “Ultra-high energy cosmic rays from white dwarf pulsars and the Hillas criterion”, Journal of Physics: Conference Series, Volume 861, Issue 1, article id. 012005, 2017.

-) Malheiro, M.; Coelho, Jaziel G.; Cáceres, D. L.; de Lima, R. C. R.; Lobato, R. V.; Rueda, J. A.; Ruffini, R., “Possible rotation-power nature of SGRs and AXPs”, Journal of Physics: Conference Series, Volume 861, Issue 1, article id. 012003, 2017.

-) Marinho, Rubens M.; de Oliveira, Heitor O.; Magalhães, Nadja S.; Valentim, Rodolfo; Coelho, Jaziel G.; Alves, Márcio E. S., “Bayesian Inference Applied to Pulsar’s Models”, International Journal of Modern Physics: Conference Series, Volume 45, id. 1760038, 2017.

Meetings, conferences, seminars, schools:

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

Sant Cugat - Spain – Forum on Astrophysics: Gravitational Waves Astrophysics – April 22 – 25, 2014
Yerevan, Armenia - 1stScientific ICRANet Meeting in Armenia: Black Holes: the largest energy sources in the Universe - 30 June - 4 July 2014