

Publications

Papers in preparations

- 13 **GRMHD simulations of binary neutron star mergers with weak interactions I: electromagnetic signatures of dynamical ejecta.**

Luciano Combi , Daniel Siegel

In prep, (2021)

Papers published/submitted in major peer-reviewed journals

- 12 **Vela Pulsar: Single Pulses Analysis with Machine Learning Techniques.**

Lousto, C.O., Missel, R., Prajapati, H., Fiscella, V.S., Armengol, F.G.L., Gyawali, P.K., Wang, L., Cahill, N., Luciano Combi , del Palacio, S. and Combi, J.A.

arXiv preprint 2108.13462, submitted to *MNRAS*, (2021)

- 11 **Mini-disk Accretion onto Spinning Black Hole Binaries: Quasi-periodicities and outflows.**

Luciano Combi , F.G. Lopez Armengol, Manuela Campanelli, Scott Noble, Mark Avara, Julian Krolik, Dennis Bowen

arxiv preprint 2109.01307, submitted to the *Astrophysical Journal*, (2021)

- 10 **Superposed metric for spinning black hole binaries.**

Luciano Combi , F.G. Lopez Armengol, Manuela Campanelli, Brennan Ireland, Scott Noble, Hiroyuki Nakano, Dennis Bowen

Physical Review D, **104**, 044041 , (2021) [*Chosen as PRD Editors' Suggestion*]

- 9 **Circumbinary Disk Accretion into Spinning Black Hole Binaries.**

F.G. Lopez Armengol, Luciano Combi , Manuela Campanelli, Scott Noble, Dennis Bowen, Mark Avara
Astrophysical Journal, **913** 16, (2021)

- 8 **PSR J0437-4715: The Argentine Institute of Radioastronomy 2019-2020 Observational Campaign.**

V. Sosa Fiscella, S. del Palacio, Luciano Combi , C.O. Lousto, F. G. Lopez Armengol, J. A. Combi, F. García, P.Kornecki, A. L. Müller, E. Gutierrez, and F. Hauscarriaga

Astrophysical Journal, **913** 158, (2021)

- 7 **Relativistic rigid systems and the cosmic expansion.**

Luciano Combi , Gustavo E. Romero

General Relativity and Gravitation, 52:93, (2020)

- 6 **Upgraded antennas for pulsar observations in the Argentine Institute of Radio astronomy.**

G. Gancio, C.O. Lousto, Luciano Combi , S. del Palacio, F. G. Lopez Armengol, J. A. Combi, F. García, P.Kornecki, A. L. Müller, E. Gutierrez, and F. Hauscarriaga

Astronomy and Astrophysics, **633**, A84 , (2020)

- 5 **Electromagnetic fields and charges in expanding universes.**

Luciano Combi , Gustavo E. Romero

Physical Review D, **99**, 064017, (2019)

- 4 **A note on geodesics in inhomogeneous expanding spacetimes.**

D. Perez, G.E. Romero, Luciano Combi , E.M. Gutiérrez.

Classical and Quantum Gravity, **36**, 055002, (2019)

- 3 **Is Teleparallel Gravity really equivalent to General Relativity?.**

Luciano Combi , Gustavo E. Romero.

Annalen der Physik, 1700175, (2018)

- 2 **Gravitational energy and radiation of a charged black hole.**

Luciano Combi , Gustavo E. Romero.

Classical and Quantum Gravity, **34**, 195008, (2017)

1 **Inconsistency within the Everett interpretation of Quantum Mechanics.**

Luciano Combi , Gustavo E. Romero.

Methateoria (ISSN 1853-2322) **7**, 47-53, (2017)

Chapter in books

1 **Space-time is material.**

Luciano Combi

In *Contemporary Materialism. Its Ontology and Epistemology*, Synthese Library, 447, Springer, (2021)

Telegrams

3 **A new Glitch in the Vela Pulsar (PSR B0833-45/PSR J0835-4510).**

FV Sosa-Fiscella, E Zubieta, S del Palacio, F Garcia, FA Lopez-Armengol, JA Combi, CO Lousto, G Gancio, L Combi, E Gutierrez, A Simaz Bunzel, F Hauscarriaga, on behalf of the PuMA Collaboration

The Astronomer's Telegram, **14806**, 2021

2 **Radio observations following the recent glitch of Vela Pulsar (PSR B0833-45).**

F. G. Lopez Armengol, C. O. Lousto, S. del Palacio , F. Garcia, L. Combi, J. A. Combi , G. Gancio , A. L. Mueller, P. Kornecki, on behalf of the PuMA Collaboration

The Astronomer's Telegram, **12482**, 2019

1 **Follow up of the radio flare from the magnetar XTE J1810-197 at 1.4 GHz.**

Del Palacio, S.; Garcia, F.; Combi, L.; Lopez Armengol, F.; Gancio, G.; Muller, A. L.; Kornecki, P., on behalf of the PuMA Collaboration

The Astronomer's Telegram, **12323**, 2018