

LIST OF PUBLICATIONS

Articles published in international scientific journals

1. V. Gorini, A. Y. Kamenshchik, U. Moschella, O. F. Piattella and A. A. Starobinsky, *Gauge-invariant analysis of perturbations in Chaplygin gas unified models of dark matter and dark energy*, JCAP **0802** (2008) 016, arXiv:0711.4242
2. V. Gorini, A. Y. Kamenshchik, U. Moschella, O. F. Piattella and A. A. Starobinsky, *More about the Tolman-Oppenheimer-Volkoff equations for the generalised Chaplygin gas*, Phys. Rev. D **80**, 104038 (2009), arXiv:0909.0866
3. O. F. Piattella, *The extreme limit of the generalised Chaplygin gas*, JCAP **1003** (2010) 012, arXiv:0906.4430
4. O. F. Piattella, D. Bertacca, M. Bruni and D. Pietrobon, *Unified Dark Matter models with fast transition*, JCAP **1001** (2010) 014, arXiv:0911.2664
5. L. Rizzi, S. L. Cacciatori, V. Gorini, A. Y. Kamenshchik and O. F. Piattella, *Dark matter effects in vacuum spacetime*, Phys. Rev. D **82**, 027301 (2010), arXiv:1006.4059
6. L. Rizzi, O. F. Piattella, S. L. Cacciatori and V. Gorini, *The Step-Harmonic potential*, Am. J. Phys. **78**, 8, August 2010, arXiv:0912.3198
7. D. Bertacca, O. F. Piattella, M. Bruni and D. Pietrobon, *Unified Dark Matter scalar field models with fast transition*, JCAP **02** (2011) 018, arXiv:1011.6669
8. F. Belgiorno, S. L. Cacciatori, F. Dalla Piazza and O. F. Piattella, *Quantum loss of angular momentum for BTZ black holes*, J. Phys. A **44** (2011) 025202, arXiv:1007.4439
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10. Oliver F. Piattella, Júlio C. Fabris and Winfried Zimdahl, *Bulk viscous cosmology with causal transport theory*, JCAP **1105** (2011) 029, arXiv:1103.1328
11. L. Rizzi, O. F. Piattella, S. L. Cacciatori and V. Gorini, *Two variants of the step-harmonic potential*, Revista Brasileira de Ensino de Física, vol. 38, no 2, e2302 (2016), arXiv:1102.2994
12. Oliver F. Piattella and Daniele Bertacca, *Gravitational potential evolution in Unified Dark Matter Scalar Field Cosmologies: an analytical approach*, Modern Physics Letters **A26** (2011) 2277-2286, arXiv:1103.0234

13. J. C. Fabris, T. C. C. Guio, M. Hamani Daouda, O. F. Piattella, *Scalar models for the generalized Chaplygin gas and the structure formation constraints*, *Gravitation and Cosmology* **17** 3 (2011) 259–271, arXiv:1011.0286
14. A. A. Grib, Y. .V. Pavlov, O. F. Piattella, *High energy processes in the vicinity of the Kerr's black hole horizon*, *International Journal of Modern Physics A*, **26** (2011) 22, arXiv:1105.1540
15. J. C. Fabris, M. Hamani Daouda, O. F. Piattella, *Note on the Evolution of the Gravitational Potential in Rastall Scalar Field Theories*, *Phys. Lett.* **B711** (2012) 232-237, arXiv:1109.2096
16. M. J. S. Houndjo and O. F. Piattella, *Reconstructing $f(R, T)$ gravity from holographic dark energy*, *International Journal of Modern Physics D*, **21** (2012) 1250024, arXiv:1111.4275
17. C. E. M. Batista, M. H. Daouda, J. C. Fabris, O. F. Piattella and D. C. Rodrigues, *Rastall Cosmology and the Λ CDM Model*, *Phys. Rev.* **D85** (2012) 084008, arXiv:1112.4141
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