

744 цитата (без аутоцитата)

Радови 2007.

V. Borika, *Spectral indices of Galactic radio loops between 1420, 820 and 408 MHz*, Mon. Not. R. Astron. Soc. 376, 634-644 (2007)

цитира се у:

1. M. Hansen, W. Zhao, A. M. Frejsel, P. D. Naselsky, J. Kim, O. V. Verkhodanov, *Faraday rotation as a diagnostic of galactic foreground contamination of cosmic microwave background maps*, Proceedings of the IAU 5 (S261), 57-69 (2009)
2. M. Hansen, W. Zhao, A. M. Frejsel, P. D. Naselsky, J. Kim, O. V. Verkhodanov, *Faraday Rotation as a diagnostic of Galactic foreground contamination of cosmic microwave background maps*, Mon. Not. R. Astron. Soc. 426, 57-69 (2012)
3. M. Vidal, C. Dickinson, R. D. Davies, J. P. Leahy, *Polarized radio filaments outside the Galactic plane*, Mon. Not. R. Astron. Soc. 452, 656-675 (2015)
4. M. Vidal, *Diffuse radio foregrounds: All-sky polarisation and anomalous microwave emission*, Springer Theses, Springer International Publishing, Switzerland (2016)
5. S. Nakhuda, Master Thesis "*Large-Scale Structure in C-BASS Data*", University of Manchester, UK, 2017
6. A. J. M. Thomson, T. L. Landecker, N. M. McClure-Griffiths, J. M. Dickey, J. L. Campbell, E. Carretti, S. E. Clark, C. Federrath, B. M. Gaensler, J. L. Han, M. Haverkorn, A. S. Hill, S. A. Mao, A. Ordog, L. Pratley, W. Reich, C. L. Van Eck, J. L. West, M. Wolleben, *The Global Magneto-Ionic Medium Survey (GMIMS): the brightest polarized region in the southern sky at 75 cm and its implications for Radio Loop II*, Mon. Not. R. Astron. Soc. 507, 3495-3518 (2021)
7. R. de Belsunce, S. Gratton, G. Efstathiou, *Testing for spectral index variations in polarised CMB foregrounds*, Mon. Not. R. Astron. Soc. 517, 2855-2866 (2022)

V. Borika Jovanović, *Masses and Mixing of $\bar{c}q \bar{q}c$ Tetraquarks Using Głozman-Riska Hyperfine Interaction*, Phys. Rev. D 76, 105011-1-8 (2007)

цитира се у:

1. E. van Beveren, G. Rupp, *The spectrum of scalar-meson nonets in the Resonance-Spectrum Expansion*, AIP Conf. Proc. 1030, 219-224 (2008)
2. X.-C. Feng, *On the mass spectrum of 2^1S_0 meson state*, Acta Phys. Polonica B 39, 2931-2938 (2008)
3. X.-C. Feng, Y. Jia, T.-Q. Chang, J.-Y. Li, *Towards the understanding of 1^1P_1 meson mass spectrum*, Chinese Phys. B 17, 4472-4475 (2008)
4. X.-C. Feng, F.-C. Jiang, T.-Q. Chang, J.-L. Feng, *Radial excitation mass spectrum of tensor meson nonet*, Acta Phys. Polonica B 42, 25-32 (2011)
5. X.-C. Feng, J. Chen, *Regarding the charmed-strange member of the 2^3S_1 meson state*, Sci. World J. 2013, article id. 658105, 1-4 (2013)
6. X.-C. Feng, J. Wu, J.-Y. Li, *Puzzle of the assignment for the 2^3S_1 meson state*, Eur. Phys. J. A 50, 73-1-6 (2014)
7. H. Kim, M.-K. Cheoun, Y. Oh, *Four-quark structure of the excited states of heavy mesons*, Phys. Rev. D 91, 014021 (2015)
8. R. Khosravi, *Analysis of the semileptonic $B_c \rightarrow D^0_1$ transition in QCD sum rules and HQET*, Eur. Phys. J. C 75, 170-1-18 (2015)

9. ATLAS Collaboration, *Generation and Simulation of R-Hadrons in the ATLAS Experiment*, ATLAS Note, Report No. ATLAS-PHYS-PUB-2019-019 (2019)
10. X.-C. Feng, K.-W. Wei, *Re-evaluation of the Isoscalar Mixing Angle within Selected Mesonic Nonets*, Acta Phys. Pol. B 6-A3-1-10 (2022)

Радови 2008.

V. Borka Jovanović, Masses of tetraquark candidates $D_s^+(2317)$ and $D_s(2632)$ using Glazman-Riska hyperfine interaction, Fortschr. Phys. 56, 462-464 (2008)

цитура се у:

1. Z. Ghalenovi, F. Giacosa, D. H. Rischke, *Masses of heavy and light scalar tetraquarks in a non-relativistic quark model*, Acta Phys. Pol. B 47, 1185-1199 (2016)

V. Borka, J. Milogradov-Turin, D. Urošević, The brightness of the galactic radio loops at 1420 MHz: Some indications for the existence of Loops V and VI, Astron. Nachr. 329, 397-402 (2008)

цитура се у:

1. G. B. Anisimova, R. B. Shatsova, *The equation and the parameter of the spur system*, Natural Science 2, 1049-1055 (2010)
2. Planck Collaboration, *Planck 2015 results. XXV. Diffuse low-frequency Galactic foregrounds*, Astron. Astrophys. 594, A25-1-45 (2016)
3. A. Bracco, M. Padovani, J. D. Soler, *The Orion-Taurus ridge: A synchrotron radio loop at the edge of the Orion-Eridanus superbubble*, Astron. Astrophys. 677, L11-1-9 (2023)

Радови 2009.

V. Borka Jovanović, D. Urošević, The Monoceros radio loop: Temperature, brightness, spectral index, and distance, Astron. Nachr. 330, 741-748 (2009)

цитура се у:

1. T. Delahaye, J. Lavalley, R. Lineros, F. Donato, N. Fornengo, *Galactic electrons and positrons at the Earth: new estimate of the primary and secondary fluxes*, Astron. Astrophys. 524, 1-51 (2010)
2. N. Kaltcheva, V. Golev, *Improved distances to several Galactic OB associations*, Proceedings of the RIA Workshop on Gaia, Granada, Spain, May 23-27, p. 299-303 (2011)
3. M. Di Mauro, F. Donato, N. Fornengo, R. Lineros, A. Vittino, *Interpretation of AMS-02 electrons and positrons data*, J. Cosmol. Astropart. P. 04, 006-1-33 (2014)
4. A. A. Danilenko, A. V. Karpova, Yu. A. Shibanov, *Chandra measurements of the proper motion of the gamma-ray pulsar J0633+0632*, J. Phys.: Conf. Ser. 1400, 022017-1-4 (2019)
5. A. Danilenko, A. Karpova, D. Ofengeim, Yu. Shibanov, D. Zyuzin, *XMM-Newton observations of a gamma-ray pulsar J0633+0632: Pulsations, cooling and large-scale emission*, Mon. Not. R. Astron. Soc. 493, 1874-1887 (2020)

Радови 2010.

V. Borka Jovanović, S. R. Ignjatović, D. Borka, P. Jovanović, *Constituent quark masses obtained from hadron masses with contributions of Fermi-Breit and Glozman-Riska hyperfine interactions*, Phys. Rev. D 82, 117501-1-4 (2010)

цитира се у:

1. V. V. Khruschov, *Snyder-Yang algebra and confinement of color particles*, arXiv:1012.4580v1 [hep-ph] (2010)
2. A. Jakovac, Zs. Szep, *Strange mass dependence of the tricritical point in the $U(3)_L \times U(3)_R$ chiral sigma model*, Phys. Rev. D. 82, 125038-1-15 (2010)
3. S. G. Yuan, K. W. Wei, J. He, H. S. Xu, B. S. Zou, *Study of $qqqc\bar{c}$ five quark system with three kinds of quark-quark hyperfine interaction*, Eur. Phys. J. A 48, 61-1-9 (2012)
4. R. Dhir, C. S. Kim, *Branching ratios of BC meson decaying to vector and axial-vector mesons*, Phys. Rev. D 87, 034004 (2013)
5. A. L. Mota, H. Caldas, J. E. da Fonseca, *Heavy mesons spectra in a semi-analytical quantum relativistic approach*, AIP Conf. Proc. 1520, 431-433 (2013)
6. R. Grajcarek, Doctoral Dissertation "*Anisotropic flow of the charmed D^{*+} meson in non-central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV*", Combined Faculties for the Natural Sciences and for Mathematics of the Ruperto-Carola University of Heidelberg, Germany, 2013
7. B. F. Kostenko, J. Pribiš, *Signs of phase transitions in two-nucleon systems*, (Reported at MMCP2013, Dubna, July 2013), arXiv:1310.2874v6 [nucl-th] (2014)
8. B. F. Kostenko, J. Pribiš, *Possible observation of phase transitions in two-nucleon systems*, Proceedings of science (Baldin ISHEPP XXII 2012) 122-1-21 (2014)
9. B. F. Kostenko, J. Pribiš, *On excited states of deuteron nucleus*, arXiv:1503.04956 (2015)
10. B. F. Kostenko, J. Pribiš, *On dibaryon production in $D + D \rightarrow X + D$ reaction*, Phys. Part. Nuclei Lett. 12, 406-408 (2015)
11. Z.-Y. Wang, J.-J. Qi, X.-H. Guo, K.-W. Wei, *Spectra of charmed and bottom baryons with hyperfine interaction*, Chinese Phys. C 41, 093103-1-11 (2017)
12. X.-Z. Weng, X.-L. Chen, W.-Z. Deng, *Masses of doubly heavy-quark baryons in an extended chromomagnetic model*, Phys. Rev. D 054008-1-9 (2018)
13. M. Ahmadvand, K. Bitaghsir Fadafan, *Gravitational waves generated from the cosmological QCD phase transition within AdS/QCD*, Phys. Lett. B 772, 747-751 (2017)
14. M. Ahmadvand, K. Bitaghsir Fadafan, *The cosmic QCD phase transition with dense matter and its gravitational waves from holography*, Phys. Lett. B 779, 1-8 (2018)
15. M.-W. Li, Y. Yang, P.-H. Yuan, *Imprints of early Universe on Gravitational Waves from first-order phase transition in QCD*, arXiv: 1812.09676v1 (2018)
16. ATLAS Collaboration, *Generation and Simulation of R-Hadrons in the ATLAS Experiment*, ATLAS Note, Report No. ATL-PHYS-PUB-2019-019 (2019)
17. R. Katz, C. A. G. Prado, J. Noronha-Hostler, J. Noronha, A. A. P. Suaide, *Sensitivity study with a D and B mesons modular simulation code of heavy flavor R_{AA} and azimuthal anisotropies based on beam energy, initial conditions, hadronization, and suppression mechanisms*, Phys. Rev. C 102, 024906-1-36 (2020)
18. A. Gu, T. Edmonds, J. Zhao, F. Wang, *Elliptic flow coalescence to identify the $f_0(980)$ content*, Phys. Rev. C 101, 024908-1-7 (2020)
19. S. Morgenstern, Doctoral Dissertation, *Calibration of the Liquid Argon Calorimeter and Search for Stopped Long-Lived Particles*, CERN-THESIS-2020-323, Institute of Nuclear and Particle Physics, Dresden, Germany (2020)
20. M. Ahmadvand, K. Bitaghsir Fadafan, S. Rezapour, *Gravitational waves of a first-order QCD phase transition at finite coupling from holography*, arXiv:2006.04265 (2020)

21. R. Singh, M. Shokri, R. Ryblewski, *Spin polarization dynamics in the Bjorken-expanding resistive MHD background*, Phys. Rev. D 103, 094034-1-12 (2021)
22. Z.-R. Zhu, J. Chen, D. Hou, *Gravitational waves from holographic QCD phase transition with gluon condensate*, Eur. Phys. J. A 58, 104 (2022)
23. S. Rezapour, K. Bitaghsir Fadafan, M. Ahmadvand, *Gravitational waves of a first-order QCD phase transition at finite coupling from holography*, Annals of Physics 437, 168731 (2022)
24. S. Rezapour, K. Bitaghsir Fadafan, M. Ahmadvand, *Gravitational waves of the QCD phase transition in a 5D soft wall model with Gauss-Bonnet correction*, Phys. Scr. 97, 035301 (2022)
25. R. Singh, *Collective dynamics of polarized spin-half fermions in relativistic heavy-ion collisions*, Int. J. Mod. Phys. A 38, 2330011-1-109 (2023)

V. Borka Jovanović, D. Urošević, *Spectral indices of radio loops, 25th SPIG, Journal of Physics: Conference Series 257, 012030-1-8 (2010)*

цитура се у:

1. M. O. Irfan, Doctoral Dissertation "*The C-Band All Sky Survey (C-BASS): Observing diffuse Galactic emission at 5 GHz*", University of Manchester, UK, 2014

Радови 2011.

P. Jovanović, V. Borka Jovanović, D. Borka, *Influence of black hole spin on the shape of the Fe K α spectral line, Balt. Astron. 20, 468-471 (2011)*

цитура се у:

1. P. Jovanović, *The broad Fe K α line and supermassive black holes*, New Astron. Rev. 56, 37-48 (2012)
2. P. Jovanović, *Investigation of some galactic and extragalactic gravitational phenomena*, Serb. Astron. J. 185, 1-16 (2012)
3. P. Jovanović, *Strong gravity and relativistic accretion disks around supermassive black holes*, Sveske fizičkih nauka (SFIN) year XXVI Series A: Conferences No. A1, 215- 222 (2013)
4. П. Јовановић, *Изучавање супермасивних црних рупа у језгрима активних галаксија*, Зборник радова XII Конгреса физичара Србије, Врњачка Бања, Србија, 28. април - 2. мај, 380-383 (2013)
5. P. Jovanović, L. Č. Popović, *Supermassive binary black holes - possible observational effects in the X-ray emission*, Facta Universitatis: Series Physics, Chemistry and Technology, Vol. 12, No 2, 83-90 (2014)
6. N. Bon, E. Bon, P. Marziani, P. Jovanović, *Gravitational redshift of emission lines in the AGN spectra*, Astrophys. Space Sci. 360, 41-1-8 (2015)
7. P. Jovanović, *Central supermassive black hole of the Milky Way*, Publ. Astron. Obs. Belgrade 94, 161-169 (2016)
8. L. Č. Popović, D. Ilić, E. Bon, N. Bon, P. Jovanović et al., *Spectroscopy and spectropolarimetry of AGN: from observations to modelling*, Publ. Astron. Obs. Belgrade No. 98, 49-58 (2018)

V. Borka Jovanović, I. Radović, D. Borka, Z. L. Mišković, *High-energy plasmon spectroscopy of freestanding multilayer graphene, Phys. Rev. B 84, 155416-1-10 (2011)*

цитура се у:

1. S. Segui, C. Celedon Lopez, G. A. Bocan, J. L. Gervasoni, N. R. Arista, *Tubular image states: General formulation and properties for metallic and nonmetallic nanotubes*, Phys. Rev. B 85, 235441-1-7 (2012)
2. O. Roslyak, G. Gumbs, D. Huang, *Energy loss spectroscopy of epitaxial versus free-standing multilayer graphene*, Physica E 44, 1874-1884 (2012)
3. I. Radović, D. Borka, Z. L. Mišković, *Energy loss of charged particles moving over multilayer graphene*, Contributed papers and abstracts of invited lectures and progress reports of the 26th Summer School and International Symposium on the Physics of Ionized Gases, Zrenjanin, Serbia, August 27-31, p. 87-90 (2012)
4. M.-F. Lin, Y.-C. Chuang, J.-Y. Wu, *Electrically tunable plasma excitations in AA-stacked multilayer graphene*, Phys. Rev. B 86, 125434-1-7 (2012)
5. V. Despoja, K. Dekanić, M. Šunjić, L. Marušić, *Ab initio study of energy loss and wake potential in the vicinity of a graphene monolayer*, Phys. Rev. B 86, 165419-1-10 (2012)
6. C.-W. Chiu, F.-L. Shyu, M.-F. Lin, G. Gumbs, O. Roslyak, *Anisotropy of π -Plasmon Dispersion Relation of AA-Stacked Graphite*, J. Phys. Soc. Jpn. 81, 104703-1-7 (2012)
7. V. Despoja, D. J. Mowbray, D. Vlahović, L. Marušić, *TDDFT study of time-dependent and static screening in graphene*, Phys. Rev. B 86, 195429-1-10 (2012)
8. V. Despoja, D. Novko, K. Dekanić, M. Šunjić, L. Marušić, *Two-dimensional and π plasmon spectra in pristine and doped graphene*, Phys. Rev. B 87, 075447-1-10 (2013)
9. S. Segui, Z. L. Mišković, J. L. Gervasoni, N. R. Arista, *Plasmon excitation in single walled carbon nanotubes by charged particles: comparison with experimental spectra*, Journal of Physics: Condensed Matter 25, 175001 (2013)
10. И. Радовић, Д. Борка, З. Л. Мишковић, *Енергијски губитак наелектрисане честице која се креће изнад површине графена*, Зборник радова XII Конгреса физичара Србије, Врњачка Бања, Србија, 28. април - 2. мај, 308-311 (2013)
11. З. Л. Мишковић, *Интеракција графена са наелектрисаним честицама*, Зборник радова XII Конгреса физичара Србије, Врњачка Бања, Србија, 28. април - 2. мај, 86-87 (2013)
12. C. Z. Li, Z. L. Mišković, F. O. Goodman, Y. N. Wang, *Plasmon excitations in C_{60} by fast charged particle beams*, J. Appl. Phys. 113, art. no. 184301 (2013)
13. A. Politano, G. Chiarello, *Quenching of plasmons modes in air-exposed graphene-Ru contacts for plasmonic devices*, Appl. Phys. Lett. 102, 201608-1-4 (2013)
14. Yu. V. Bludov, N. M. R. Peres, M. I. Vasilevskiy, *Unusual reflection of electromagnetic radiation from a stack of graphene layers at oblique incidence*, J. Opt. 15, 114004-1-13 (2013)
15. A. Politano, D. Campi, V. Formoso, G. Chiarello, *Evidence of confinement of the π plasmon in periodically rippled graphene on Ru(0001)*, Phys. Chem. Chem. Phys. 15, 11356-11361 (2013)
16. A. Politano, V. Formoso, G. Chiarello, *Evidence of composite plasmon-phonon modes in the electronic response of epitaxial graphene*, J. Phys.: Condens. Matter 25, article id. 345303 (2013)
17. A. Politano, G. Chiarello, *Unravelling suitable graphene-metal contacts for graphene-based plasmonic devices*, Nanoscale 5, 8215 (2013)
18. P. Wachsmuth, R. Hambach, M. K. Kinyanjui, M. Guzzo, G. Benner, U. Kaiser, *High-energy collective electronic excitations in free-standing single-layer graphene*, Phys. Rev. B 88, 075433 (2013)
19. X. Luo, T. Qiu, W. Lu, Z. Ni, *Plasmons in graphene: Recent progress and applications*, Mat. Sci. Eng. R 74, 351-376 (2013)

20. Z. L. Mišković, *Dynamic polarization of carbon nano-structures by charged particles*, Proceedings of the XXI International Conference on Ion-Surface Interactions (ISI 2013) 1, 357-362, Yaroslavl, Russia, 22-26 August 2013
21. K. A. Lyon, Z. L. Mišković, A. C. Diebold, J.-C. Idrobo, *Modeling ellipsometry and electron energy loss spectroscopy of graphene*, AIP Conf. Proc. 1590, 158-162 (2014)
22. C.-Z. Li, Y.-N. Wang, Y.-H. Song, Z. L. Mišković, *Interactions of charged particle beams with double-layered two-dimensional quantum electron gases*, Phys. Lett. A 378, 1626-1631 (2014)
23. F. J. Nelson, J.-C. Idrobo, J. D. Fite, Z. L. Mišković, S. J. Pennycook, S. T. Pantelides, J. U. Lee, A. C. Diebold, *Electronic excitations in graphene in the 1-50 eV range: The π and π^+ σ peaks are not plasmons*, Nano Lett., DOI: 10.1021/nl500969t (2014)
24. I. Radović, D. Borka, Z. L. Mišković, *Theoretical modeling of experimental HREEL spectra for supported graphene*, Phys. Lett. A 378, 2206-2210 (2014)
25. D. J. Mowbray, *Theoretical electron energy loss spectroscopy of isolated graphene*, Phys. Status Solidi B 251, 2509-2514 (2014)
26. Z. L. Mišković, *Dynamic polarization of carbon nano-structures by charged particles*, AIP Conf. Proc. 1590, 129-133 (2014)
27. A. Politano, *Probing growth dynamics of graphene/Ru(0001) and the effects of air exposure by means of helium atom scattering*, Surf. Sci. 634, 44-48 (2015)
28. P. Wachsmuth, R. Hambach, G. Benner, U. Kaiser, *Plasmon bands in multilayer graphene*, Phys. Rev. B 90, 235434 (2014)
29. P. Wachsmuth, Doctoral Dissertation "*Momentum-resolved electron energy-loss spectroscopy of graphene*", University of Ulm, Germany, 2014
http://vts.uni-ulm.de/docs/2014/9105/vts_9105_13704.pdf
30. W. S. M. Werner, A. Bellissimo, R. Leber, A. Ashraf, S. Segui, *Reflection electron energy loss spectrum of single layer graphene measured on a graphite substrate*, Surf. Sci. 365, L1-L3 (2015)
31. D. Borka, I. Radović and K. Vuković, *Energy loss of charged particles traversing multilayer graphene*, Nucl. Instrum. Meth. B 347, 7-10 (2015)
32. D. Novko, V. Despoja, M. Šunjić, *Changing character of electronic transitions in graphene: From single-particle excitations to plasmons*, Phys. Rev. B 91, 195407 (2015)
33. J. Li, Y. Lin, J. Lu, C. Xu, Y. Wang, Z. Shi, J. Dai, *Single mode ZnO whispering-gallery submicron cavity and graphene improved lasing performance*, ACS nano 9, 6794-6800 (2015)
34. S. E. Hosseininejad, N. Komjani, M. T. Talafi Noghani, *A comparison of graphene and noble metals as conductors for plasmonic one-dimensional waveguides*, IEEE T. Nanotechnol. PP, 1
35. A. Politano, I. Radović, D. Borka, Z. L. Mišković, G. Chiarello, *Interband plasmons in supported graphene on metal substrates: Theory and experiments*, Carbon 96, 91-97 (2016)
36. L. Karbunar, D. Borka, I. Radović, *Image potential and stopping force in the interaction of fast ions with carbon nanotubes: The extended two-fluid hydrodynamic model*, Nucl. Instrum. Meth. B 366, 83-89 (2016)
37. Л. Карбунар, докторска дисертација "*Утицај динамичке поларизације на интеракцију наелектрисаних честица са угљеничним наноцевима у двофлуидном хидродинамичком моделу*", Универзитет у Београду, Електротехнички факултет, Београд, 2015
38. L. S. Kocherlakota, B. A. Krajina, R. M. Overney, *Communication: Local energetic analysis of the interfacial and surface energies of graphene from the single layer to graphite*, J. Chem. Phys. 143, 241105-1-5 (2015)

39. L. Karbunar, D. Borka, I. Radović, Z. L. Mišković, *Channeling of fast ions through the bent carbon nanotubes: The extended two-fluid hydrodynamic model*, Chin. Phys. B 25, 046106 (2016)
40. D. Novko, M. Šunjić, V. Despoja, *Optical absorption and conductivity in quasi-two-dimensional crystals from first principles: Application to graphene*, Phys. Rev. B 93, 125413-1-14 (2016)
41. X.-Q. Shu, H. Zhang, X.-l. Cheng, Y. Miyamoto, *Tunable plasmons in few-layer nitrogen-doped graphene nanostructures: A time-dependent density functional theory study*, Phys. Rev. B 93, 195424-1-8 (2016)
42. S. E. Hosseinijad, N. Komjani, *Comparative analysis of graphene-integrated slab waveguides for terahertz plasmonics*, Photonic. Nanostruct. 20, 59-67 (2016)
43. Y. Y. Dai, A. Chen, Y. Y. Xia, D. Z. Han, X. H. Liu, L. Shi, J. Zi, *Symmetry breaking induced excitations of dark plasmonic modes in multilayer graphene ribbons*, Opt. Express 24, 20021-20028 (2016)
44. L. Karbunar, D. Borka, I. Radović, *Carbon nanotubes characterization by channeled fast ions spatial and angular distribution fingerprints*, Proceedings of the 5th Mediterranean Conference on Embedded Computing (MECO 2016), Bar, Montenegro, p. 68-71 (2016)
45. Z. L. Mišković, S. Segui, J. L. Gervasoni, N. R. Arista, *Energy losses and transition radiation produced by the interaction of charged particles with a graphene sheet*, Phys. Rev. B 94, 125414-1-17 (2016)
46. A. Politano, I. Radović, D. Borka, Z. L. Mišković, H. K. Yu, D. Farias, G. Chiarello, *Dispersion and damping of the interband π plasmon in graphene grown on Cu(111) foils*, Carbon 114, 70-76 (2017)
47. X. Shu, H. Zhang, X. Cheng, Y. Miyamoto, *A TDDFT Investigation on Plasmons in Multilayer Graphene Nanostructures*, Plasmonics 12, 1967-1973 (2017)
48. G. Gumbs, A. Balassis, V. M. Silkin, *Combined effect of doping and temperature on the anisotropy of low-energy plasmons in monolayer graphene*, Phys. Rev. B 96, 045423-1-9 (2017)
49. T. Đorđević, I. Radović, V. Despoja, K. Lyon, D. Borka, Z. L. Mišković, *Analytical modeling of electron energy loss spectroscopy of graphene: Ab initio study versus extended hydrodynamic model*, Ultramicroscopy 184, 134-142 (2018)
50. M. J. Mohn, R. Hambach, P. Wachsmuth, C. Giorgetti, U. Kaiser, *Dielectric properties of graphene/MoS₂ heterostructures from ab initio calculations and electron energy-loss experiments*, Phys. Rev. B 97, 235410-1-8 (2018)
51. Z. Mišković, *Theoretical Modeling of Electron Energy Loss Spectroscopy of Graphene: Comparing Ab initio Calculations and Empirical Models with Experiments*, Programme and book of abstracts, First International Conference on Electron Microscopy of Nanostructures, Belgrade, Serbia, August 27-29, p. 67-69 (2018)
52. D. Borka, J. Toth, K. Tokesi, *Backscattered electron spectra from graphite*, Phys. Lett. A 382, 2470-2474 (2018)
53. T. Đorđević, I. Radović, V. Despoja, K. Lyon, D. Borka, Z. L. Mišković, *Analytical modeling of electron energy loss spectroscopy of graphene: Ab initio study versus extended hydrodynamic model*, Ultramicroscopy 184, 134-142 (2018)
54. K. Akbari, S. Segui, J. Gervasoni, Z. L. Mišković, N. R. Arista, *Energy losses and transition radiation in graphene traversed by a fast charged particle under oblique incidence*, Phys. Rev. B 98, 195410-1-19 (2018)
55. C.-Y. Lin, J.-Y. Wu, C.-W. Chiu, M.-F. Lin, *Coulomb excitations and decays in graphene-related systems*, arXiv:1901.04160v1 (2019)
56. V. Despoja, I. Radović, L. Karbunar, A. Kalinić, Z. L. Mišković, *Wake potential in graphene-insulator-graphene composite systems*, Phys. Rev. B 100, 035443 (2019)

57. K. Akbari, Doctoral Dissertation "*Relativistic Theory of the Interaction of Two-Dimensional Materials with Moving Charged Particles*", University of Waterloo, Waterloo, Ontario, Canada, 2019
58. Q. Li, A. Li, B. W. Jiang, *How much graphene in space?*, Mon. Not. R. Astron. Soc. 490, 3875-3881 (2019)
59. C. Luo et al., *Probing polaritons in 2D materials*, Adv. Optical Mater. (Progress Report), 1901416-1-18 (2020)
60. X.-L. He, Y.-Y. Zhang, Z. L. Mišković, I. Radović, C.-Z. Li, Y.-H. Song, *Interactions of moving charge with supported graphene in the presence of strain-induced pseudomagnetic field*, Eur. Phys. J. D 74, 18 (2020)
61. V. Despoja, I. Radović, A. Politano, Z. L. Mišković, *Insights on the Excitation Spectrum of Graphene Contacted with a Pt Skin*, Nanomaterials 10, 703 (2020)
62. K. Lyon, K. Akbari, Z. L. Miskovic, *Relativistic effects in the interaction of fast charged particles with graphene*, Radiation Effects and Defects in Solids 175, 84-93 (2020)
63. K. Lyon, D. J. Mowbray, Z. L. Miskovic, *Conductivity models for electron energy loss spectroscopy of graphene in a scanning transmission electron microscope with high energy resolution*, Ultramicroscopy 214, 113012 (2020)
64. A. Moradi, *Electromagnetic Problems Involving Two-Dimensional Electron Gases in Planar Geometry*, In: Canonical Problems in the Theory of Plasmonics, Springer Series in Optical Sciences vol. 230, pp. 239-270. Springer, Cham, 2020
65. H. Sugiura, H. Kondo, K. Higuchi, S. Arai, R. Hamaji, T. Tsutsumi, K. Ishikawa, M. Hori, *Reaction science of layer-by-layer thinning of graphene with oxygen neutrals at room temperature*, Carbon 170, 93-99 (2020)
66. C. Luo, X. Guo, H. Hu, D. Hu, C. Wu, X. Yang, Q. Dai, *Probing Polaritons in 2D Materials*, Advanced Optical Materials 8, 1901416 (2020)
67. M. J. Mohn, Doctoral Dissertation "*Energy-filtered TEM and low-loss EELS of 2D materials*", Universitat Ulm, Germany, 2020
68. S. Shekarforoush, H. Jalali, M. Yagmurcukardes, M. V. Milošević, M. Neek-Amal, *Optoelectronic properties of confined water in angstrom-scale slits*, Phys. Rev. B 102, 235406-1-9 (2020)
69. T. Đorđević, doktorska disertacija "Teorijski modeli plazmona u grafenu pri interakciji sa naelektrisanim česticama", Univerzitet u Beogradu-Fizički fakultet, 2021
70. L. Cui, J. Wang, M. Sun, *Graphene Plasmon for Optoelectronics*, Rev. Phys. 6, 100054 (2021)
71. H. Vazquez, A. Kononov, A. Kyritsakis, N. Medvedev, A. Schleife, F. Djurabekova, *Electron cascades and secondary electron emission in graphene under energetic ion irradiation*, Phys. Rev. B 103, 224306-1-13 (2021)
72. M. R. Preciado Rivas, M. Moshayedi, Z. L. Mišković, *On the role of the energy loss function in the image force on a charge moving over supported graphene*, J. Appl. Phys. 130, 173103 (2021)
73. K. Akbari, Z. L. Mišković, *Directional effects in plasmon excitation and transition radiation from an anisotropic 2D material induced by a fast charged particle*, Nanoscale 14, 5079-5093 (2022)
74. S. Armaghani, A. Rostami, P. Mirtaheri, *Analysis and Simulation of the Optical Properties of a Quantum Dot on a Graphene Nanoribbon System*, Photonics 9, 220-1-12 (2022)
75. A. Chiminelli, I. Radović, M. Fasano, A. Fantoni, M. Laspalas, A. Kalinić, M. Provenzano, M. Fernandes, *Modeling Carbon-Based Nanomaterials (CNMs) and Derived Composites and Devices*, Sensors 24, 7665-1-24 (2024)

76. S. Segui, J. Gervasoni, N. Arista, I. Konvalina, W. S. M. Werner, *Exploring the Dielectric Model in the Limit of Low-Energy Electrons Interacting With Graphene*, Surface and Interface Analysis 57, 42-47 (2024)

Радови 2012.

D. Borka, P. Jovanović, V. Borka Jovanović, A. F. Zakharov, *Constraints on R^n gravity from precession of orbits of S2-like stars*, Phys. Rev. D 85, 124004-1-11 (2012)

цитира се у:

1. A. F. Zakharov, V. N. Pervushin, *Conformal cosmological model and SNe Ia data*, Phys. Atom. Nucl. 75, 1418-1425 (2012)
2. P. Jovanović, *Investigation of some galactic and extragalactic gravitational phenomena*, Serb. Astron. J. 185, 1-16 (2012)
3. A. F. Zakharov, *Supermassive black hole at the Galactic Center*, The book of a short contributions and extended abstracts of the Balkan Workshop 2013, Vrnjačka Banja, Serbia, April 25-29, 73-74 (2013)
4. A. F. Zakharov, *Supermassive black hole at the Galactic center*, Зборник радова XII Конгреса физичара Србије, Врњачка Бања, Србија, 28. април - 2. мај, 40-49 (2013)
5. Y.-K. E. Cheung, F. Xu, *Constraining the string gauge field by galaxy rotation curves and perihelion precession of planets*, Astrophys. J 774, article id. 65 (2013)
6. A. F. Zakharov, *Observational Signatures for Reissner-Nordstrom Black Hole with Significant Charge at the Galactic Center*, Sveske fizičkih nauka (SFIN) year XXVI Series A: Conferences No. A1, 375-387 (2013)
7. C. Lammerzahl, J. Muller, *Summary of session C9: experimental gravitation*, Gen. Relat. Gravit. 46, 1701-1-11 (2014)
8. R. Herrera, N. Videla, *The generalized second law of thermodynamics for interacting $f(R)$ gravity*, D 23, 1450071-1-16 (2014)
9. A. F. Zakharov, *Are signatures of anti-de-Sitter black hole at the Galactic Center?*, arXiv: 1407.2591 [astro-ph.GA] (2014)
10. A. F. Zakharov, *Constraints on a charge in the Reissner-Nordstrom metric for the black hole at the Galactic Center*, Phys. Rev. D 90, 062007-1-8 (2014)
11. A. F. Zakharov, *Supermassive black hole at the Galactic center*, Facta Universitatis: Series Physics, Chemistry and Technology 12, No 2, 83-90 (2014)
12. A. F. Zakharov, *Supermassive black hole at the galactic center*, Proceedings of the 29th International Workshop on High Energy Physics (IHEP 2013), 2013 June 26-28, Protvino, Russia, p. 141-152 (2014)
13. A. F. Zakharov, *The Galactic Center: possible interpretations of observational data*, IAU General Assembly, Meeting 29, p. 2254530 (2015)
14. S. Habib Mazharimousavi, M. Halilsoy, *Cloud of strings as source in 2+1-dimensional $f(R) = R^n$ gravity*, Eur. Phys. J. C 76, 95-1-5 (2016)
15. A. F. Zakharov, *Possible alternatives to the supermassive black hole at the Galactic Center*, J. Astrophys. Astron. 36, 539-553 (2015)
16. A. F. Zakharov, *Is there an ordinary supermassive black hole at the Galactic Center?*, Proceedings of the 12th International Conference on Gravitation, Astrophysics and Cosmology (ICGAC-12), 2015 June 28 - July 5, Moscow, Russia, p. 176-182 (2016)
17. P. Jovanović, *Central supermassive black hole of the Milky Way*, Publ. Astron. Obs. Belgrade 94, 161-169 (2016)
18. A. Hees, T. Do, A. M. Ghez et al., *Testing General Relativity with stellar orbits around the supermassive black hole in our Galactic Center*, Phys. Rev. Lett. 118, 211101-1-9 (2017)

19. A. F. Zakharov, *The black hole at the Galactic Center: observations and models in a nutshell*, J. Phys.: Conf. Ser. 934, 012037-1-5 (2017)
20. A. D'Addio, Master Thesis "*Test di teorie della gravitazione tramite Sgr A* (Testing theories of gravity by Sgr A*)*", University of Naples "Federico II", Italy, 2017
21. I. De Martino, R. Lazkoz, M. De Laurentis, *Analysis of the Yukawa gravitational potential in $f(R)$ gravity I: semiclassical periastron advance*, Phys. Rev. D 97, 104067-1-10 (2018)
22. M. De Laurentis, I. De Martino, R. Lazkoz, *Analysis of the Yukawa gravitational potential in $f(R)$ gravity II: relativistic periastron advance*, Phys. Rev. D 97, 104068-1-12 (2018)
23. A. F. Zakharov, *The black hole at the Galactic Center: observations and models*, Int. J. Mod. Phys. D 27, 1841009-1-15 (2018)
24. A. F. Zakharov, *Constraints on alternative theories of gravity with observations of the Galactic Center*, EPJ Web Conf. 191, 01010-1-9 (2018)
25. A. F. Zakharov, *Constraints on tidal charge of the supermassive black hole at the Galactic Center with trajectories of bright stars*, Eur. Phys. J. C 78, 689-1-7 (2018)
26. M. De Laurentis, I. De Martino, R. Lazkoz, *Modified gravity revealed along geodesic tracks*, Eur. Phys. J. C 78, 916-1-6 (2018)
27. A. F. Zakharov, *Tests of gravity theories with Galactic Center observations*, Int. J. Mod. Phys. D 28, 1941003-1-17 (2019)
28. A. Amorim et al. (The GRAVITY Collaboration), *Scalar field effects on the orbit of S2 star*, Mon. Not. R. Astron. Soc. 489, 4606-4621 (2019)
29. I. M. Potashov, Ju. V. Tchamarina, A. N. Tsurulev, *Bound orbits near scalar field naked singularities*, Eur. Phys. J. C 79, 709-1-9 (2019)
30. D. Dey, A. Joshi, P. Bambhaniya, P. S. Joshi, *Towards an observational test of black hole versus naked singularity at the galactic center*, Int. J. Mod. Phys. D 28, 1930024-1-12 (2019)
31. P. Bambhaniya, A. B. Joshi, D. Dey, P. S. Joshi, *Timelike geodesics in naked singularity and black hole spacetimes*, Phys. Rev. D 100, 124020 (2019)
32. A. B. Joshi, P. Bambhaniya, D. Dey, P. S. Joshi, *Timelike Geodesics in Naked Singularity and Black Hole Spacetimes II*, arXiv:1909.08873 (2019)
33. S. Kalita, *The Galactic Center Black Hole, Sgr A*, as a Probe of New Gravitational Physics with the Scalaron Fifth Force*, The Astrophysical Journal 893, 31 (2020)
34. R. I. Gainutdinov, *PPN motion of the S-stars around Sgr A**, Astrophysics 63, 470-481 (2020)
35. D. Dey, R. Shaikh, P. S. Joshi, *Perihelion precession and shadows near blackholes and naked singularities*, Phys. Rev. D 102, 044042-1-9 (2020)
36. P. Bambhaniya, D. N. Solanki, D. Dey, A. B. Joshi, P. S. Joshi, V. Patel, *Precession of timelike bound orbits in Kerr spacetime*, Eur. Phys. J. C 81, 205-1-11 (2021)
37. D. J. Gogoi, U. Dev Goswami, *Gravitational waves in $f(R)$ gravity power law model*, Indian J. Phys. 96, 637-646 (2022)
38. P. C. Lalremruati, S. Kalita, *Periastron shift of compact stellar orbits from general relativistic and tidal distortion effects near Sgr A**, Mon. Not. R. Astron. Soc. 502, 3761-3768 (2021)
39. A. F. Zakharov, *Tests of Gravitational Theories with Observations of the Galactic Center and the Center of the Galaxy M87*, Phys. Part. Nuclei 51, 750-756 (2020)
40. I. Potashov, J. Tchamarina, A. Tsurulev, *Null and Timelike Geodesics near the Throats of Phantom Scalar Field Wormholes*, Universe 6, 183-1-15 (2020)
41. A. F. Zakharov, *Testing the Galactic Centre potential with S-stars*, Mon. Not. R. Astron. Soc. Letters 513, L6-L9 (2022)

42. D. Benisty, A.-C. Davis, *Dark energy interactions near the Galactic Center*, Phys. Rev. D 105, 024052-1-9 (2022)
43. S. Kalita, *Eddington's critical thoughts on general relativity: insights in the light of modern cosmology*, Eur. Phys. J. Plus 137, 264 (2022)
44. P. C. Lalremruati, S. Kalita, *Is It Possible to See the Breaking Point of General Relativity near the Galactic Center Black Hole? Consideration of Scalaron and Higher-dimensional Gravity*, Astrophys. J. 925, 126-1-11 (2022)
45. D. Benisty, *Testing modified gravity via Yukawa potential in two body problem: Analytical solution and observational constraints*, Phys. Rev. D 106, 043001-1-6 (2022)
46. A. F. Zakharov, *Orbits of Bright Stars Near the Galactic Center as a Tool to Test Gravity Theories*, Moscow University Physics Bulletin 77, Issue 2, 341-348 (2022)
47. P. C. Lalremruati, S. Kalita, *Effect of Dark Matter Distribution on Scalaron Gravity near the Galactic Center Black Hole and Its Prospects*, Astrophys. J. 941, 183 (2022)
48. D. Paul, S. Kalita, A. Talukdar, *Unscreening of $f(R)$ gravity near the galactic center black hole: Testability through pericenter shift below S0-2's orbit*, Int. J. Mod. Phys. D 2350021 (2023)
49. D. Benisty, J. Mifsud, J. Levi Said, D. Staicova, *Strengthening extended Gravity constraints with combined systems: $f(R)$ bounds from Cosmology and the Galactic Center*, Phys. Dark Universe 42, 101344-1-7 (2023)
50. A. F. Zakharov, *Trajectories of Bright Stars and Shadows around Supermassive Black Holes as Tests of Gravity Theories*, Phys. Part. Nuclei 54, 889-895 (2023)
51. D. Benisty, J. Wagner, D. Staicova, *Dark Energy as a Critical Period in Binary Motion: Bounds from Multi-scale Binaries*, arXiv:2310.11488 (2023)
52. P. Bambhaniya, A. B. Joshi, D. Dey, P. S. Joshi, A. Mazumdar, T. Harada, K.-i. Nakao, *Relativistic orbits of S2 star in the presence of scalar field*, Eur. Phys. J. C 84, 124-1-7 (2024)

I. Radović, V. Borka Jovanović, D. Borka, Z. L. Mišković, *Interactions of slowly moving charges with graphene: the role of substrate phonons*, Nucl. Instrum. Meth. B 279, 165-168 (2012)

цитира се у:

1. I. Radović, D. Borka, Z. L. Mišković, *Dynamic polarization of graphene by external correlated charges*, Phys. Rev. B 86, 125442-1-17 (2012)
2. I. Radović, D. Borka, Z. L. Mišković, *Wake effect in interactions of dipolar molecules with doped graphene*, Phys. Lett. A 377, 2614 - 2620 (2013)
3. Z. L. Mišković, *Dynamic polarization of carbon nano-structures by charged particles*, Proceedings of the XXI International Conference on Ion-Surface Interactions (ISI 2013) 1, 357-362, Yaroslavl, Russia, 22-26 August 2013
4. I. Radović, D. Borka, Z. L. Mišković, *Wake effect in graphene due to moving charged particles*, Contributed papers and abstracts of invited lectures, topical invited lectures, progress reports and workshop lectures of the 27th SPIG, Belgrade, Serbia, August 26-29, p. 168 (2014)
5. Z. L. Mišković, *Dynamic polarization of carbon nano-structures by charged particles*, AIP Conf. Proc. 1590, 129-133 (2014)
6. T. Marinković, I. Radović, D. Borka, Z. L. Mišković, *Wake effect in the interaction of slow correlated charges with supported graphene due to plasmon-phonon hybridization*, Phys. Lett. A 379, 377-381 (2015)
7. Y.-Y. Jian, C.-Z. LI, *Effect of substrate on interactions of ion beams with two-dimensional layered electron gases*, (doi: 10.3969/j.issn.1000-0364.2014.05.026) Journal of Atomic and Molecular Physics, Issue 5, 833-837 (2014)

8. C.-Z. Li, Y.-Y. Jian, Y.-Z. He, *Effects of substrate property on induced electric field of layered two-dimensional electron gases*, High Power Laser and Particle Beams 26, 124005 (2014)
9. T. Marinković, I. Radović, D. Borka, Z. L. Mišković, *Probing the plasmon-phonon hybridization in supported graphene by externally moving charged particles*, Plasmonics 10, 1741-1749 (2015)
10. A. Politano, *Spectroscopic investigations of phonons in epitaxial graphene*, Crit. Rev. Solid State 42, 99-128 (2017)
11. A. Moradi, *Energy density and energy flow of plasmonic waves in bilayer graphene*, Optics Communications 394, 135-138 (2017)
12. V. Despoja, I. Radović, L. Karbunar, A. Kalinić, Z. L. Mišković, *Wake potential in graphene-insulator-graphene composite systems*, Phys. Rev. B 100, 035443 (2019)
13. X.-J. Bai, Y.-Y. Zhang, Z. L. Mišković, I. Radović, C.-Z. Li, Y.-H. Song, *The Effects of Pseudomagnetic Fields on Plasmon-Phonon Hybridization in Supported Graphene Probed by a Moving Charged Particle*, Plasmonics 16, 1089-1098 (2021)
14. A. Kalinić, I. Radović, L. Karbunar, V. Despoja, Z. L. Mišković, *Wake effect in interactions of ions with graphene-sapphire-graphene composite system*, Physica E: Low-dimensional Systems and Nanostructures 126, 114447 (2021)
15. M. R. Preciado Rivas, M. Moshayedi, Z. L. Mišković, *On the role of the energy loss function in the image force on a charge moving over supported graphene*, J. Appl. Phys. 130, 173103 (2021)
16. A. Kalinić, V. Despoja, I. Radović, L. Karbunar, Z. L. Mišković, *Stopping and image forces acting on a charged particle moving near a graphene-Al₂O₃-graphene heterostructure*, Phys. Rev. B 106, 115430-1-17 (2022)
17. A. Kalinić, I. Radović, L. Karbunar, V. Despoja, Z. L. Mišković, *Phonon-Induced Wake Potential in a Graphene-Insulator-Graphene Structure*, Nanomaterials 14, 1951-1-11 (2024)
18. A. Chiminelli, I. Radović, M. Fasano, A. Fantoni, M. Laspalas, A. Kalinić, M. Provenzano, M. Fernandes, *Modeling Carbon-Based Nanomaterials (CNMs) and Derived Composites and Devices*, Sensors 24, 7665-1-24 (2024)

E. Bon, P. Jovanović, P. Marziani, A. I. Shapovalova, N. Bon, V. Borka Jovanović, D. Borka, J. Sulentic, L. Č. Popović, The first spectroscopically resolved sub-parsec orbit of a supermassive binary black hole, Astrophys. J. 759, 118-1-8 (2012)

цитира се у:

1. P. Jovanović, *Investigation of some galactic and extragalactic gravitational phenomena*, Serb. Astron. J. 185, 1-16 (2012)
2. F. M. Khan, K. Holley-Bockelmann, P. Berczik, A. Just, *Supermassive black hole binary evolution in axisymmetric galaxies: the final parsec problem is not a problem*, Astrophys. J. 773, article id. 100, 6 pp. (2013)
3. L. Č. Popović, P. Jovanović, *Supermassive Binary Black Hole - Possible Observational Effects in the X-ray Emission*, The book of a short contributions and extended abstracts of the Balkan Workshop 2013, Vrnjačka Banja, Serbia, April 25-29, 55-56 (2013)
4. Y. Shen, X. Liu, A. Loeb, S. Tremaine, *Constraining sub-parsec binary supermassive black holes in quasars with multi-epoch spectroscopy. I. The general quasar population*, Astrophys. J. 775, article id. 49, 23 pp. (2013)
5. N.-Y. Tang, Y.-F. Yuan, *Mass flow in a circumbinary disk with a gap around supermassive binary black holes*, Res. Astron. Astrophys. 13, 1455-1462 (2013)
6. S. Burke-Spolaor, *Multi-messenger approaches to binary supermassive black holes in the "continuous-wave" regime*, Class. Quantum Grav. 30, 224013-1-14 (2013)

7. H. Kimitake, S. Hideki, M. Shin, *Binary black hole accretion flows from a misaligned circumbinary disk*, Publ. Astron. Soc. Jpn. 65, Article No. 86, 11 pp. (2013)
8. P. Jovanović, L. Č. Popović, *Supermassive binary black holes - possible observational effects in the X-ray emission*, Facta Universitatis: Series Physics, Chemistry and Technology, Vol. 12, No 2, 83-90 (2014)
9. T. J. W. Lazio, *The Square Kilometre Array pulsar timing array*, Class. Quantum Grav. 30, 224011-1-14 (2013)
10. X. Liu, Y. Shen, F. Bian, A. Loeb, S. Tremaine, *Constraining sub-parsec binary supermassive black holes in quasars with multi-epoch spectroscopy. II. The population with kinematically offset broad Balmer emission lines*, Astrophys. J. 789, 140-1-22 (2014)
11. J. W. Sulentic, P. Marziani, A. del Olmo, I. Plauchu-Frayn, *Techniques for profile binning and analysis of eigenvector composite spectra: Comparing H β and MgII λ 2800 as virial estimators*, Adv. Space Res. 54, 1406-1413 (2014)
12. A. Vasylenko, E. Fedorova, V. I. Zhdanov (2012), *Studying the X-ray properties of Seyfert 1.9 galaxy NGC 1194 with XMM-Newton and INTEGRAL observational data*, Proceedings of the workshop Astrophysical and cosmological problems of invisible mass and dark energy in the Universe, Kyiv, Ukraine, November 21-22, 2012, p. 58-61 (2013)
13. D. Ilić, L. Č. Popović, A. I. Shapovalova, A. N. Burenkov, V. H. Chavushyan, A. Kovačević, W. Kollatschny, *The variability of the optical spectra of three type 1 AGNs*, Proceedings of Science (Seyfert 2012) 013-1-6 (2013)
14. B. McKernan, K. E. S. Ford, B. Kocsis, W. Lyra, L. M. Winter, *Intermediate mass black holes in AGN disks II. Model predictions and observational constraints*, Mon. Not. R. Astron. Soc. 441, 900-909 (2014)
15. D.-F. Guo, S.-M. Hu, J. Tao, H.-X. Yin, X. Chen, H.-J. Pan, *Optical monitoring of the Seyfert Galaxy NGC 4151 and possible periodicities in its historical light curve*, Res. Astron. Astrophys. 14, 923 (2014)
16. C. A. Onken, M. Valluri, J. S. Brown, P. J. McGregor, B. M. Peterson, M. C. Bentz, L. Ferrarese, R. W. Pogge, M. Vestergaard, T. Storchi-Bergmann, R. A. Riffel, *The black hole mass of NGC 4151. II. Stellar dynamical measurement from near-infrared integral field spectroscopy*, Astrophys. J. 791, 37-1-20 (2014)
17. T. Bogdanović, *"Supermassive Black Hole Binaries: The Search Continues."* In Gravitational Wave Astrophysics 40, 103-119. Springer International Publishing, Switzerland (2015)
18. D. Ilić, A. I. Shapovalova, L. Č. Popović, A. N. Burenkov, V. H. Chavushyan, A. Kovačević, W. Kollatschny, *Long-term variability in the continuum and broad spectral lines of a number of active galactic nuclei*, Contributed papers and abstracts of invited lectures, topical invited lectures, progress reports and workshop lectures of the 27th SPIG, Belgrade, Serbia, August 26-29, p. 509-512 (2014)
19. E. Kun, K. E. Gabanyi, M. Karouzos, S. Britzen, L. A. Gergely, *A spinning supermassive black hole binary model consistent with VLBI observations of the S5 1928+738 jet*, Mon. Not. R. Astron. Soc. 445, 1370-1382 (2014)
20. A. V. Gusev, N. K. Porayko, V. N. Rudenko, *Detection of gravitational radiation from supermassive black hole binaries via pulsar timing*, Gravit. Cosmol. 20, 290-298 (2014)
21. D. Ilić, L. Č. Popović, *Supermassive black holes and spectral emission lines*, Journal of Physics: Conference Series 548, 012002-1-7 (2014)
22. A. A. Vasylenko, E. V. Fedorova, B. I. Hnatyk, V. I. Zhdanov, *Evidence for a binary black hole in active nucleus of NGC 1194 galaxy?*, Kinemat. Phys. Celest. 31, 13-18 (2015)
23. K. Holley-Bockelmann, F. M. Khan, *Galaxy rotation and rapid supermassive black hole binary coalescence*, Astrophys. J. 810, 139-1-8 (2015)

24. P. Marziani, *Grand challenges in Milky Way and Galaxies*, Front. Astron. Space Sci. 2, 1-1-4 (2015)
25. D. Ilić, L. C. Popović, A. I. Shapovalova, A. N. Burenkov, V. H. Chavushyan, A. Kovačević, *Line shape variability in a sample of AGN with broad lines*, J. Astrophys. Astron. 36, 433-445 (2015)
26. J. C. Runnoe, M. Eracleous, G. Mathes, A. Pannell, T. Boroson, S. Sigurdsson, T. Bogdanović, J. P. Halpern, J. Liu, *A large systematic search for close supermassive binary and rapidly recoiling black holes. II. Continued spectroscopic monitoring and optical flux variability*, Astrophys. J. Suppl. Ser. 221, 7R-1-24 (2015)
27. J. Liu, M. Eracleous, J. P. Halpern, *A radial velocity test for supermassive black hole binaries as an explanation for broad, double-peaked emission lines in active galactic nuclei*, Astrophys. J. 817, 42-1-9 (2016)
28. J. W. Sulentic, P. Marziani, A. Del Olmo, S. Zamfir, *Balmer line shifts in quasars*, Astrophys. Space Sci. 361, 55-1-10 (2016)
29. S. Simić, L. Č. Popović, *Line shifts and sub-pc super-massive binary black holes*, Astrophys. Space Sci. 361, 59-1-10 (2016)
30. A. I. Shapovalova, L. Č. Popovic, V. H. Chavushyan, A. N. Burenkov, D. Ilić, W. Kollatschny, A. Kovačević, J. R. Valdes, V. Patino-Alvarez, J. Leon-Tavares, J. Torrealba, V. E. Zhdanova, *First long-term optical spectro-photometric monitoring of a binary black hole candidate E1821+643: I. Variability of spectral lines and continuum*, Astrophys. J. Suppl. Ser. 222, 25-1-18 (2016)
31. E. Fedorova, A. Vasylenko, B. I. Hnatyk, V. I. Zhdanov, *The peculiar megamaser AGN NGC 1194: Comparison with the warped disk candidates NGC 1068 and NGC 4258*, Astron. Nachr. 337, 96-100 (2016)
32. M. Smailagić, E. Bon, *Line shapes emitted from spiral structures around symmetric orbits of supermassive binary black holes*, J. Astrophys. Astron. 36, 513-527 (2015)
33. Y.-R. Li, J.-M. Wang, L. C. Ho, k.-X. Lu, J. Qiu, p. Du, C. Hu, Y.-K. Huang, Z.-X. Zhang, K. Wang, J.-M. Bai, *Spectroscopic indication for a centi-parsec supermassive black hole binary in the Galactic Center of NGC 5548*, Astrophys. J. 822, 4-1-21 (2016)
34. J. Sredzinska, B. Czerny, K. Hryniewicz et al., *SALT long-slit spectroscopy of HE 0435-4312: fast displacement on the Mg II emission line*, Astron. Astrophys. 601, A32-1-15 (2017)
35. N. Bon, E. Bon, P. Marziani, P. Jovanović, *Gravitational redshift of emission lines in the AGN spectra*, Astrophys. Space Sci. 360, 41-1-8 (2015)
36. G. Kulkarni, A. Loeb, *Radio crickets: chirping jets from black hole binaries entering their gravitational wave inspiral*, Mon. Not. R. Astron. Soc. 456, 3964-3971 (2016)
37. E. Bon, S. Zucker, H. Netzer et al., *Evidence for periodicity in 43-year-long monitoring of NGC 5548*, Astrophys. J. Suppl. S. 225, 29-1-15 (2016)
38. K. Nguyen, T. Bogdanović, *Emission signatures from sub-parsec binary supermassive black holes I: Diagnostic power of broad emission lines*, Astrophys. J. 828, 68-1-26 (2016)
39. L. del Valle, Doctoral Dissertation "*Gap formation and its consequence in the evolution of SMBHS binaries in galaxy mergers*", University of Chile, 2015.
40. E. Kun, P. L. Biermann, L. A. Gergely, *A flat spectrum candidate for a track-type high energy neutrino emission event, the case of blazar PKS 0723-008*, Mon. Not. R. Astron. Soc. 466, 34-38 (2017)
41. P. Jovanović, *Central supermassive black hole of the Milky Way*, Publ. Astron. Obs. Belgrade 94, 161-169 (2016)
42. A. Kovačević, L. C. Popović, A. I. Shapovalova, D. Ilić, *Periodicity in the continua and broad line curves of a quasar E1821+643*, Astrophys. Space Sci. 362, 31-1-13 (2017)
43. J. C. Runnoe, M. Eracleous, A. Pennell, G. Mathes, T. Boroson, S. Sigurdsson, T. Bogdanović, J. P. Halpern, J. Liu, S. Brown, *A large systematic search for close supermassive*

- binary and rapidly recoiling black holes. III. Radial velocity variations*, Mon. Not. R. Astron. Soc. 468, 1683-1702 (2017)
44. N. Rakić, G. La Mura, D. Ilić, A.I. Shapovalova, W. Kollatschny, P. Rafanelli, L. Č. Popović, *The intrinsic Baldwin effect in broad Balmer lines of six long-term monitored AGNs*, Astron. Astrophys. 603, A49-1-12 (2017)
45. E. Bon, P. Marziani, N. Bon, *Periodic optical variability of AGN*, New Frontiers in Black Hole Astrophysics, Proceedings of IAU Symp. 12, Issue 324, 176-179 (2017)
46. C. M. Gaskell, P. Z. Harrington, *Partial obscuration of innermost regions of active galactic nuclei by outflowing dusty clouds as a cause of broad-line profile and lag variability, and apparent accretion disc inhomogeneities*, Mon. Not. R. Astron. Soc. 478, 1660-1669 (2018)
47. P. Marziani, A. del Olmo, M. L. Martinez-Aldama, D. Dultzin, A. Negrete, E. Bon, N. Bon, M. D'Onofrio, *Quasar Black Hole Mass Estimates from High-Ionization Lines: Breaking a Taboo?*, Atoms 5, 33-1-14 (2017)
48. A. Kovačević, E. Perez-Hernandez, L. Č. Popović, A. I. Shapovalova, W. Kollatschny, D. Ilić, *Oscillatory patterns in the light curves of five long-term monitored type 1 active galactic nuclei*, Mon. Not. R. Astron. Soc. 475, 2051-2066 (2018)
49. E. Kun, P. L. Biermann, S. Britzen, L. A. Gergely, *On the high-energy neutrino emission from Active Galactic Nuclei*, Universe 4, 24-1-10 (2018)
50. L. Č. Popović, D. Ilić, E. Bon, N. Bon, P. Jovanović et al., *Spectroscopy and spectropolarimetry of AGN: from observations to modelling*, Publ. Astron. Obs. Belgrade No. 98, 49-58 (2018)
51. B. J. Pflueger, K. Nguyen, T. Bogdanović, M. Eracleous, J. C. Runnoe, S. Sigurdsson, T. Boroson, *Likelihood for Detection of Sub-parsec Supermassive Black Hole Binaries in Spectroscopic Surveys*, Astrophys. Journal 861, 59-1-16 (2018)
52. L. Barack et al., *Black holes, gravitational waves and fundamental physics: a roadmap*, Class. Quantum Grav. 36, 143001-1-179 (2019)
53. V. L. Oknyanskij, N. V. Metlova, N. A. Huseynov, Di-Fu Guo, V. M. Lyuty, *Optical monitoring of NGC4151 during 110 years*, Odessa Astronomical Publications, 29, 95-97 (2016)
54. E. Bon, P. Jovanović, P. Marziani, N. Bon, A. Otašević, *Exploring possible relations between optical variability time scales and broad emission line shapes in AGN*, Front. Astron. Space Sci. 5, 19-1-19 (2018)
55. S. Burke-Spolaor, L. Blecha, T. Bogdanović et al., *The Next-Generation Very Large Array: Supermassive Black Hole Pairs and Binaries*, arXiv:1808.04368 (2018)
56. Y. Ezoe, Y. Miyoshi, S. Kasahara et al., *Small satellites with MEMS x-ray telescopes for x-ray astronomy and solar system exploration*, Proc. of SPIE 10699, p. 106990V (2018)
57. H. Guo, X. Liu, Y. Shen, A. Loeb, T. Monroe, J. X. Prochaska, *Constraining sub-parsec binary supermassive black holes in quasars with multi-epoch spectroscopy - III. Candidates from continued radial velocity tests*, Mon. Not. R. Astron. Soc. 482, 3288-3307 (2019)
58. M. D'Onofrio, P. Marziani, *A Multimessenger View of Galaxies and Quasars From Now to Mid-century*, Front. Astron. Space Sci. 5, 31-1-25 (2018)
59. Y. Ezoe, Y. Miyoshi, S. Kasahara et al., *Ultralightweight x-ray telescope missions: ORBIS and GEO-X*, J. Astron. Telesc. Instrum. Syst. 4, 046001-1-10 (2018)
60. X.-J. Zhu, W. Cui, E. Thrane, *The minimum and maximum gravitational-wave background from supermassive binary black holes*, Mon. Not. R. Astron. Soc. 482, 2588-2596 (2019)
61. E. Bon, P. Marziani, P. Jovanović, N. Bon, *On the time scales of optical variability of AGN and the shape of their optical emission line profiles*, Atoms 7, 26-1-14 (2019)

62. E. Kun, Doctoral Dissertation "*Revealing supermassive black hole binaries via the signatures in the jets of radio-loud active galactic nuclei*", University of Szeged, Hungary, 2017
63. A. Kovačević, L. Č. Popović, S. Simić, D. Ilić, *The optical variability of supermassive black hole binary candidate PG 1302-102: periodicity and perturbation in the light curve*, *Astrophys. J.* 871, 32 (2019)
64. Đ. Savić, F. Marin, L. Č. Popović, *Predicting the broad lines polarization emitted by supermassive binary black holes*, *Astron. Astrophys.* 623, A56-1-19 (2019)
65. Y.-R. Li, J.-M. Wang, Z.-X. Zhang et al., *A possible ~20 yr periodicity in long-term optical photometric and spectral variations of the nearby radio-quiet Active Galactic Nucleus Ark 120*, *Astrophys. J. Supp. Ser.* 241, 33-1-14 (2019)
66. Y. Feng, D. Li, Y.-R. Li, J.-M. Wang, *Constraints on individual supermassive binary black holes using observations of PSR J1909-3744*, *Res. Astron. Astrophys.* 19, 178 (2019)
67. C. Babusiaux et al. (The MSE Science Team), *The detailed science case for the maunakea spectroscopic explorer, 2019 edition*, arXiv:1904.04907 (2019)
68. K. Nguyen, T. Bogdanović, J. C. Runnoe, M. Eracleous, S. Sigurdsson, T. Boroson, *Emission signatures from sub-parsec binary supermassive black holes III: comparison of models with observations*, *Astrophys. J.* 894, 105 (2020)
69. Y.-Y. Songsheng, J.-M. Wang, Y.-R. Li, P. Du, *Differential interferometric signatures of close binaries of supermassive black holes in Active Galactic Nuclei*, *Astrophys. J.* 881, 140 (2019)
70. V. Ganci, P. Marziani, M. D'Onofrio, A. del Olmo, E. Bon, N. Bon, C.A. Negrete, *Radio-loudness along the quasar main sequence*, *Astron. Astrophys.* 630, A110 (2019)
71. L. Barack et al., *Black holes, gravitational waves and fundamental physics: a roadmap*, *Class. Quantum Grav.* 36, 143001 (2019)
72. A. Kovačević, J.-M. Wang, L. Č. Popović, *Kinematic signatures of reverberation mapping of close binaries of supermassive black holes in active galactic nuclei. III. The case of elliptical orbits*, *Astron. Astrophys.* 635, A1-1-19 (2020)
73. Songsheng, Y.-Y., M. Xiao, J.-M. Wang, L. C. Ho, *Kinematic signatures of reverberation mapping of close binaries of supermassive black holes in active galactic nuclei. II. Atlas of two-dimensional transfer functions*, *Astrophys. J. Suppl.* 247, 3 (2020)
74. X.-J. Zhu, E. Thrane, *Toward the unambiguous identification of supermassive binary black holes through Bayesian inference*, *Astrophys. J.* 900, 117-1-14 (2020)
75. A. Kovačević, T. Yi, X. Dai, X. Yang, I. Čvorović-Hajdinjak, L. Č. Popović, *Confirmed short periodic variability of subparsec supermassive binary black hole candidate Mrk 231*, *Mon. Not. R. Astron. Soc.* 494, 4069-4076 (2020)
76. L. Z. Kelley, *Basic considerations for the observability of kinematically offset binary AGN*, *Mon. Not. R. Astron. Soc.* 500, 4065-4077 (2021)
77. K. Nguyen, T. Bogdanović, J. C. Runnoe, S. R. Taylor, A. Sesana, M. Eracleous, S. Sigurdsson, *Pulsar Timing Array Constraints on the Merger Timescale of Subparsec Supermassive Black Hole Binary Candidates*, *Astrophys. J. Lett.* 900, L42-1-7 (2020)
78. L. Č. Popović, S. Simić, A. Kovačević, D. Ilić, *Detecting subparsec super-massive binary black holes: Long term monitoring perspective*, *Mon. Not. R. Astron. Soc.* 505, 5192-5211 (2021)
79. S. Komossa, S. Ciprini, L. Dey, L. C. Gallo, J. L. Gomez, A. Gonzalez, D. Grupe et al., *Supermassive binary black holes and the case of OJ 287*, *Publ. Astron. Obs. Belgrade* 100, 29-42 (2021)
80. J.-M. Wang, Y.-R. Li, *Observational signatures of close binaries of supermassive black holes in active galactic nuclei*, *Res. Astron. Astrophys.* 20, 160-1-16 (2020)

81. C. Hu, S.-S. Li, W.-J. Guo, S. Yang, Z.-X. Yang, D.-W. Bao, B.-W. Jiang et al, *Evidence for Two Distinct Broad-line Regions from Reverberation Mapping of PG 0026+ 129*, The Astrophysical Journal 905, 75 (2020)
82. A. Kovačević, Y.-Y. Songsheng, J.-M. Wang, L. Č. Popović, *Differential interferometry of close binary of supermassive black holes in an elliptical configuration*, arXiv:2010.01317 (2020).
83. X. Ji, Y. Lu, J. Ge, C. Yan, Z. Song, *Variation of Broad Emission Lines from QSOs with Optical/UV Periodicity to Test the Interpretation of Supermassive Binary Black Holes*, Astrophys. J. 910, 101 (2021)
84. D. Ilić, A. Kovačević, L. Č. Popović, *Investigation of active galactic nuclei in time domain era*, Publ. Astron. Obs. Belgrade 100, 97-106 (2021)
85. Y. Feng, D. Li, Z. Zheng, C.-W. Tsai, *Supermassive binary black hole evolution can be traced by a small SKA pulsar timing array*, Phys. Rev. D 102, 023014-1-6 (2020)
86. A. V. Payne, B. J. Shappee, J. T. Hinkle, P. J. Vallely, C. S. Kochanek, T. W.-S. Holoiien, K. Auchettl et al, *ASASSN-14ko is a Periodic Nuclear Transient in ESO 253-G003*, Astrophys. J. 910, 125 (2021)
87. M. Sniegowska, B. Czerny, E. Bon, N. Bon, *Possible mechanism for multiple changing-look phenomena in active galactic nuclei*, Astron. Astrophys. 641, A167 (2020)
88. A. Kovačević, L. Č. Popović, D. Ilić, *Two-dimensional correlation analysis of periodicity in active galactic nuclei time series*, Open Astronomy 29, 51-55 (2020)
89. S. Simić, L. Č. Popović, A. Kovačević, D. Ilić, *Influence of light-curve sampling on the periodicity determination in case of subparsec super-massive black hole binaries*, Publ. Astron. Obs. Belgrade No. 99, 315-318 (2020)
90. Y. Aggarwal, *Insights into the origins and growth of seeds of supermassive black holes*, arXiv: 2112.06338 (2021)
91. X. Ji, J.-Q. Ge, Y.-J. Lu, C.-S. Yan, *Variations of broad emission lines from periodicity QSOs under the interpretation of supermassive binary black holes with misaligned circumbinary broad line regions*, Res. Astron. Astrophys. 21, 219-1-12 (2021)
92. L. Č. Popović, S. Simić, A. Kovačević, D. Ilić, *Detecting subparsec supermassive binary black holes: Long-term monitoring perspective*, Mon. Not. R. Astron. Soc. 505, 5192-5211 (2021)
93. Y.-Y. Songsheng, Y.-Q. Qian, Y.-R. Li, P. Du, J.-W. Chen, Y. Wang, S. D. Mohanty, J.-M. Wang, *Search for Continuous Gravitational-wave Signals in Pulsar Timing Residuals: A New Scalable Approach with Diffusive Nested Sampling*, Astrophys. J. 922, 228-1-15 (2021)
94. T. Bogdanović, M. C. Miller, L. Blecha, *Electromagnetic counterparts to massive black-hole mergers*, Living Rev. Relativ. 25, 3-1-115 (2022)
95. D.-W. Bao, M. S. Brotherton, P. Du et al. (MAHA Collaboration), *Monitoring AGNs with H β Asymmetry. III. Long-term Reverberation Mapping Results of 15 Palomar-Green Quasars*, Astrophys. J. Suppl. Ser. 262, 14-1-31 (2022)
96. J.-W. Chen, Y. Wang, *Parameter-estimation Biases for Eccentric Supermassive Binary Black Holes in Pulsar Timing Arrays: Biases Caused by Ignored Pulsar Terms*, Astrophys. J. 929, 168-1-23 (2022)
97. S. Simić, L. Č. Popović, A. Kovačević, D. Ilić, *The broad emission line asymmetry in a low mass ratio of supermassive binary black holes on elliptical orbits*, Astron. Nachr. 343, e210073 (2022)
98. Y.-Y. Songsheng, J.-M. Wang, *Differential Interferometric Signatures of Close Binaries of Supermassive Black Holes in Active Galactic Nuclei. II. Merged Broad-line Regions*, Astrophys. J. 945, 89-1-19 (2023)
99. P. Du, J.-M. Wang, *Spiral arms in broad-line regions of active galactic nuclei: II. Loosely wound cases: Reverberation properties*, Astron. Astrophys. 671, A26-1-23 (2023)

D. Borka, V. Lukić, J. Timko, V. Borka Jovanović, *Identification of the types of carbon nanotubes using donut effects*, Nucl. Instrum. Meth. B 279, 198-201 (2012)

цитура се у:

1. A. Karabarbounis, S. Sarros, Ch. Trikalinos, *Channeling and energy losses of 10 MeV protons in straight chiral carbon nanotube bundles*, Nucl. Instrum. Meth. B 316, 160-170 (2013)
2. A. Karabarbounis, S. Sarros, Ch. Trikalinos, *Channeling of protons in radially compressed carbon nanotubes*, Journal of Physics: Conference Series 517, 012038-1-6 (2014)
3. Л. Карбунар, *Утицај динамичке поларизације на интеракцију наелектрисаних честица са угљеничним наноцевима у двофлуидном хидродинамичком моделу*, Универзитет у Београду, Електротехнички факултет, докторска дисертација, Београд, 2015
4. L. Karbunar, D. Borka, I. Radović, *Image potential and stopping force in the interaction of fast ions with carbon nanotubes: The extended two-fluid hydrodynamic model*, Nucl. Instrum. Meth. B 366, 83-89 (2016)
5. L. Karbunar, D. Borka, I. Radović, Z. L. Mišković, *Channeling of fast ions through the bent carbon nanotubes: The extended two-fluid hydrodynamic model*, Chin. Phys. B 25, 046106-1-10 (2016)
6. D. Borka, S. M. D. Galijaš, *Angular and spatial distributions of protons channeled in a bent and radially deformed single-wall boron-nitride nanotubes*, Rom. Rep. Phys. 71, 207 (2019)

D. Borka, V. Lukić, J. Timko, V. Borka Jovanović, *Using proton beams as a diagnostic tool in carbon nanotubes*, Nucl. Instrum. Meth. B 279, 169-172 (2012)

цитура се у:

1. Q. Cheng, G. M. Harris, M.-O. Blais, K. Rutledge, E. Jabbarzadeh, *Alignment of carbon nanotubes: an approach to modulate cell orientation and asymmetry*, Nano LIFE 4,1450002-1-10 (2014)
2. Q. Cheng, Doctoral Dissertation "*Toward directing cell fate: carbon nanotubes as modulators of extracellular and transporters of intracellular cues*", Paper 2545, University of South Carolina, Columbia, 2013
3. Л. Карбунар, *Утицај динамичке поларизације на интеракцију наелектрисаних честица са угљеничним наноцевима у двофлуидном хидродинамичком моделу*, Универзитет у Београду, Електротехнички факултет, докторска дисертација, Београд, 2015.
4. L. Karbunar, D. Borka, I. Radović, *Image potential and stopping force in the interaction of fast ions with carbon nanotubes: The extended two-fluid hydrodynamic model*, Nucl. Instrum. Meth. B 366, 83-89 (2016)
5. L. Karbunar, D. Borka, I. Radović, Z. L. Mišković, *Channeling of fast ions through the bent carbon nanotubes: The extended two-fluid hydrodynamic model*, Chin. Phys. B 25, 046106-1-10 (2016)
6. D. Borka, S. M. D. Galijaš, *Angular and spatial distributions of protons channeled in a bent and radially deformed single-wall boron-nitride nanotubes*, Rom. Rep. Phys. 71, 207 (2019)

V. Borka Jovanović, D. Borka, *Mass formulas for single-charm tetraquarks with Fermi-Breit hyperfine interaction*, Rom. J. Phys. 57, 803-815 (2012)

цитура се у:

1. Z.-Y. Wang, J.-J. Qi, X.-H. Guo, K.-W. Wei, *Spectra of charmed and bottom baryons with hyperfine interaction*, Chinese Phys. C 41, 093103-1-11 (2017)

Радови 2013.

D. Borka, P. Jovanović, V. Borka Jovanović, A. F. Zakharov, *Constraining the range of Yukawa gravity interaction from S2 star orbits*, J. Cosmol. Astropart. P. 2013, No. 11, 050-1-16 (2013)

цитура се у:

1. A. F. Zakharov, *Are signatures of anti-de-Sitter black hole at the Galactic Center?*, arXiv: 1407.2591 [astro-ph.GA] (2014)

2. A. F. Zakharov, *Constraints on a charge in the Reissner-Nordström metric for the black hole at the Galactic Center*, Phys. Rev. D 90, 062007-1-8 (2014)

3. В. И. Докучаев, Ю. Н. Ерошенко, *Физическая лаборатория в центре Галактики*, Успехи физических наук 185, 829-843 (2015)

4. V. I. Dokuchaev, Yu. N. Eroshenko, *Weighing of the Dark Matter at the Center of the Galaxy*, JETP Letters 101, 777-782 (2015)

5. A. F. Zakharov, *The Galactic Center: possible interpretations of observational data*, IAU General Assembly, Meeting 29, p. 2254530 (2015)

6. S. Habib Mazharimousavi, M. Halilsoy, *Cloud of strings as source in 2+1-dimensional $f(R) = R^n$ gravity*, Eur. Phys. J. C 76, 95-1-5 (2016)

7. V. I. Dokuchaev, Yu. N. Eroshenko, K.S. Klimkov, *Precession of fast S0 stars in the vicinity of supermassive black hole in the Galactic Center*, Physics Procedia 74, 292-296 (2015)

8. A. F. Zakharov, *Possible alternatives to the supermassive black hole at the Galactic Center*, J. Astrophys. Astron., pp 1-15, DOI: 10.1007/s12036-015-9345-x (2015)

9. A. F. Zakharov, *Is there an ordinary supermassive black hole at the Galactic Center?*, Proceedings of the 12th International Conference on Gravitation, Astrophysics and Cosmology (ICGAC-12), 2015 June 28 - July 5, Moscow, Russia, p. 176-182 (2016)

10. P. Jovanović, *Central supermassive black hole of the Milky Way*, Publ. Astron. Obs. Belgrade 94, 161-169 (2016)

11. L. Jarv, *Effective Gravitational "Constant" in Scalar-(Curvature) Tensor and Scalar-Torsion Gravities*, Universe 3, 37-1-10 (2017)

12. A. Hees, T. Do, A. M. Ghez et al., *Testing General Relativity with stellar orbits around the supermassive black hole in our Galactic Center*, Phys. Rev. Lett. 118, 211101-1-9 (2017)

13. Ю. Н. Ерошенко, Докторска дисертација "Нелинейные гравитационно-связанные структуры в ранней Вселенной", Институт за нуклеарна истраживања, Москва, Русија (2016)

14. A. F. Zakharov, *The black hole at the Galactic Center: observations and models in a nutshell*, J. Phys.: Conf. Ser. 934, 012037-1-5 (2017)

15. A. D'Addio, Master Thesis "Test di teorie della gravitazione tramite Sgr A* (Testing theories of gravity by Sgr A*)", University of Naples "Federico II", Italy, 2017

16. A. Hees, A. M. Ghez, T. Do et al., *Testing the gravitational theory with short-period stars around our Galactic Center*, Proceedings of the 52nd Rencontres de Moriond (Gravitation Session), arXiv:1705.10792 [astro-ph.GA] (2017)

17. D. S. Chu, T. Do, A. Hees et al., *Investigating the Binariness of S0-2: Implications for its Origins and Robustness as a Probe of the Laws of Gravity around a Supermassive Black Hole*, *Astrophys. J.* 854, 12-1-10 (2018)
18. S. Banerjee, S. Shankar, T. P. Singh, *Constraints on modified gravity models from white dwarfs*, *J. Cosmol. Astropart. P.* 10, 004-1-27 (2017)
19. I. De Martino, R. Lazkoz, M. De Laurentis, *Analysis of the Yukawa gravitational potential in $f(R)$ gravity I: semiclassical periastron advance*, *Phys. Rev. D* 97, 104067-1-10 (2018)
20. M. De Laurentis, I. De Martino, R. Lazkoz, *Analysis of the Yukawa gravitational potential in $f(R)$ gravity II: relativistic periastron advance*, *Phys. Rev. D* 97, 104068-1-12 (2018)
21. A. F. Zakharov, *The black hole at the Galactic Center: observations and models*, *Int. J. Mod. Phys. D* 27, 1841009-1-15 (2018)
22. B. L. Giacchini, I. L. Shapiro, *Light bending in $F[g(\square)R]$ extended gravity theories*, *Phys. Lett. B* 780, 54-60 (2018)
23. A. F. Zakharov, *Constraints on alternative theories of gravity with observations of the Galactic Center*, *EPJ Web Conf.* 191, 01010-1-9 (2018)
24. A. F. Zakharov, *Constraints on tidal charge of the supermassive black hole at the Galactic Center with trajectories of bright stars*, *Eur. Phys. J. C* 78, 689-1-7 (2018)
25. V. I. Dokuchaev, N. O. Nazarova, *Gravitational Lensing of a star by a rotating black hole*, *JETP Lett.* 106, 637-642 (2017)
26. R.-G. Cai, T.-B. Liu, S.-J. Wang, *GWs from S-stars revolving around SMBH at Sgr A**, *Commun. Theor. Phys.* 70, 735-748 (2018)
27. M. De Laurentis, I. De Martino, R. Lazkoz, *Modified gravity revealed along geodesic tracks*, *Eur. Phys. J. C* 78, 916-1-6 (2018)
28. Z. Stuchlik, J. Schee, *Shadow of the regular Bardeen black holes and comparison of the motion of photons and neutrinos*, *Eur. Phys. J. C* 79, 44-1-13 (2019)
29. S. Habib Mazharimousavi, M. Halilsoy, *Einstein-non-linear Maxwell-Yukawa black hole*, *Int. J. Mod. Phys. D* 28, 1950120 (2019)
30. A. F. Zakharov, *Tests of gravity theories with Galactic Center observations*, *Int. J. Mod. Phys. D* 28, 1941003-1-17 (2019)
31. M. Kord Zangeneh, H. Moradpour, N. Sadeghnezhad, *A note on cosmological features of modified Newtonian potentials*, *Mod. Phys. Lett. A* 34, 1950168 (2019)
32. A. Amorim et al. (The GRAVITY Collaboration), *Scalar field effects on the orbit of S2 star*, *Mon. Not. R. Astron. Soc.* 489, 4606-4621 (2019)
33. A. F. Zakharov, *Gravity theory tests with observations of stars near the black hole at the Galactic Center*, *J. Phys.: Conf. Ser.* 1390, 012089 (2019)
34. V. I. Dokuchaev, N. O. Nazarova, *Silhouettes of invisible black holes*, *Phys.-Usp.* 63, 583-600 (2020)
35. A. F. Zakharov, *Constraints on graviton mass and a tidal charge with observations of the Galactic Center*, *Proceedings of the 54st Rencontres de Moriond (Gravitation Session)*, La Thuile, Italy, March 23 - 30, p. 85-88 (2019)
36. E. Cavan, I. Haranas, I. Gkigkitzis, K. Cobbett, *Dynamics and stability of the two body problem with Yukawa correction*, *Astrophys. Space Sci.* 365, 36 (2020)
37. A. Hees, T. Do, B. M. Roberts, A. M. Ghez, S. Nishiyama, R. O. Bentley, A. K. Gautam, S. Jia, T. Kara, J.R. Lu, H. Saida, S. Sakai, M. Takahashi, Y. Takamori, *Search for a Variation of the Fine Structure Constant around the Supermassive Black Hole in Our Galactic Center*, *Phys. Rev. Lett.* 124, 081101 (2020)
38. S. Capozziello, M. Capriolo, L. Caso, *Weak field limit and gravitational waves in $f(T,B)$ teleparallel gravity*, *Eur. Phys. J. C* 80, 156 (2020)

39. C. A. Conde Ocazonez, Master Thesis "*Gravitational radiation from the inspiral of compact binaries based on a Yukawa-type addition to the Newtonian potential*", Master Thesis, Universidad Nacional de Colombia, Colombia, 2020
40. S. Kalita, *The Galactic Center Black Hole, Sgr A*, as a Probe of New Gravitational Physics with the Scalaron Fifth Force*, The Astrophysical Journal 893, 31 (2020)
41. R. I. Gainutdinov, *PPN motion of the S-stars around Sgr A**, Astrophysics 63, 470-481 (2020)
42. В. И. Докучаев, Н. О. Назарова, *Силуэты невидимых чёрных дыр*, Успехи физических наук 190, 627-647 (2020)
43. V. I. Dokuchaev, N. O. Nazarova, *Visible shapes of black holes M87* and SgrA**, Universe 6, 154-1-27 (2020)
44. A. F. Zakharov, *Tests of gravity theories with black hole observations*, Publ. Astron. Obs. Belgrade No. 100, 43-53 (2021)
45. A. F. Zakharov, *Tests of Gravitational Theories with Observations of the Galactic Center and the Center of the Galaxy M87*, Phys. Part. Nuclei 51, 750-756 (2020)
46. J. T. Mendonca, *Schrodinger-Newton Model with a Background*, Symmetry 13, 1007-1-12 (2021)
47. I. De Martino, R. della Monica, M. De Laurentis, *f(R)-gravity after the detection of the orbital precession of the S2 star around the Galactic Center massive black hole*, Phys. Rev. D 104, L101502-1-7 (2021)
48. S. Kalita, *Scalaron Gravity near Sagittarius A*: Investigation of Spin of the Black Hole and Observing Requirements*, Astrophys. J. 909, 189-1-6 (2021)
49. A. D'Addio, *S-star dynamics through a Yukawa-like gravitational potential*, Phys. Dark Universe 33, 100871-1-9 (2021)
50. R. Garattini, *Yukawa-Casimir wormholes*, Eur. Phys. J. C 81, 824-1-14 (2021)
51. A. F. Zakharov, *Testing the Galactic Centre potential with S-stars*, arXiv:2108.09709v3 (2021)
52. D. Benisty, A.-C. Davis, *Dark energy interactions near the Galactic Center*, Phys. Rev. D 105, 024052-1-9 (2022)
53. A. Landry, F. Hammad, *Landau levels in a gravitational field: The schwarzschild spacetime case*, Universe 7, 144-1-33 (2021)
54. P. C. Lalremruati, S. Kalita, *Is It Possible to See the Breaking Point of General Relativity near the Galactic Center Black Hole? Consideration of Scalaron and Higher-dimensional Gravity*, Astrophys. J. 925, 126-1-11 (2022)
55. S. Alexeyev, V. Prokopov, *Extended Gravity Constraints at Different Scales*, Universe 8, 283-1-18 (2022)
56. D. Benisty, *Testing modified gravity via Yukawa potential in two body problem: Analytical solution and observational constraints*, Phys. Rev. D 106, 043001-1-6 (2022)
57. Y. Dong, L. Shao, Z. Hu, X. Miao, Z. Wang, *Prospects for Constraining the Yukawa Gravity with Pulsars around Sagittarius A**, arXiv:2210.16130 [astro-ph.HE] (2022)
58. A. F. Zakharov, *Orbits of Bright Stars Near the Galactic Center as a Tool to Test Gravity Theories*, Moscow University Physics Bulletin 77, Issue 2, 341-348 (2022)
59. A. Jawad, M. B. A. Sulehri, S. Rani, *Physical analysis of Yukawa-Casimir traversable wormhole solutions in non-minimally coupled f(T) gravity*, Eur. Phys. J. Plus 137, 1274 (2022)
60. L. Zwick, D. Soyuer, J. Bucko, *Prospects for a local detection of dark matter with future missions to Uranus and Neptune*, Astron. Astrophys. 664, A188-1-10 (2022)
61. D. Benisty, J. Mifsud, J. Levi Said, D. Staicova, *Strengthening extended Gravity constraints with combined systems: f(R) bounds from Cosmology and the Galactic Center*, Phys. Dark Universe 42, 101344-1-7 (2023)

62. A. F. Zakharov, *The Galactic Center and M87*: Observations and Interpretations*, Phys. Part. Nuclei 20, pages 538-543 (2023)
63. A. F. Zakharov, *Trajectories of Bright Stars and Shadows around Supermassive Black Holes as Tests of Gravity Theories*, Phys. Part. Nuclei 54, 889-895 (2023)
64. A. F. Zakharov, *Shadows near supermassive black holes: From a theoretical concept to GR test*, Int. J. Mod. Phys. D (2023) DOI:10.1142/S0218271823400047
65. D. Benisty, J. Wagner, D. Staicova, *Dark Energy as a Critical Period in Binary Motion: Bounds from Multi-scale Binaries*, arXiv:2310.11488 (2023)
66. P. Bambhaniya, A. B. Joshi, D. Dey, P. S. Joshi, A. Mazumdar, T. Harada, K.-i. Nakao, *Relativistic orbits of S2 star in the presence of scalar field*, Eur. Phys. J. C 84, 124-1-7 (2024)

D. Borka, P. Jovanović, V. Borka Jovanović, A. F. Zakharov, *Orbital precession in R^n gravity: simulations vs observations (the S2 star orbit case)*, Sveske fizičkih nauka (SFIN) year XXVI Series A: Conferences No. A1, 61-66 (2013)

цитура се у:

1. A. F. Zakharov, *Constraints on a charge in the Reissner-Nordstrom metric for the black hole at the Galactic Center*, Phys. Rev. D 90, 062007-1-8 (2014)

Радови 2014.

P. Jovanović, V. Borka Jovanović, D. Borka, T. Bogdanović, *Composite profile of the Fe $K\alpha$ spectral line emitted from a binary system of supermassive black holes*, Adv. Space Res. 54, 1448-1457 (2014)

цитура се у:

1. P. Jovanović, L. Č. Popović, *Supermassive binary black holes - possible observational effects in the X-ray emission*, Facta Universitatis: Series Physics, Chemistry and Technology, Vol. 12, No 2, 83-90 (2014)
2. T. Bogdanović, "Supermassive Black Hole Binaries: The Search Continues." In Gravitational Wave Astrophysics, ISBN 978-3-319-10487-4, pp. 103-119. Springer International Publishing, (2015)
3. S. Komossa, J. A. Zensus, *Compact object mergers: Observations of supermassive binary black holes and stellar tidal disruption events*, Proceedings of IAU Symp. 312, 13-25 (2015)
4. F. De Paolis, M. Giordano, G. Ingrosso, L. Manni, A. Nucita, F. Strafella, *The scales of gravitational lensing*, Universe 2, 6-1-22 (2016)
5. P. Jovanović, *Central supermassive black hole of the Milky Way*, Publ. Astron. Obs. Belgrade 94, 161-169 (2016)
6. L. Č. Popović, D. Ilić, E. Bon, N. Bon, P. Jovanović et al., *Spectroscopy and spectropolarimetry of AGN: from observations to modelling*, Publ. Astron. Obs. Belgrade No. 98, 49-58 (2018)
7. T. Bogdanović, M. C. Miller, L. Blecha, *Electromagnetic counterparts to massive black-hole mergers*, Living Rev. Relativ. 25, 3-1-115 (2022)
8. K. Porter, S. C. Noble, E. M. Gutierrez, J. Pelle, M. Campanelli, J. Schnittman, B. J. Kelly, *A Parameter Study of the Electromagnetic Signatures of an Analytical Mini-disk Model for Supermassive Black Hole Binary Systems*, Astrophys. J. 979, 155-1-19 (2025)

A. F. Zakharov, D. Borka, V. Borka Jovanović, P. Jovanović, *Constraints on R^n gravity from precession of orbits of S2-like stars: case of bulk distribution of mass*, Adv. Space Res. 54, 1108-1112 (2014)

цитира се у:

1. A. F. Zakharov, *Constraints on a charge in the Reissner-Nordstrom metric for the black hole at the Galactic Center*, Phys. Rev. D 90, 062007-1-8 (2014)
2. В. И. Докучаев, Ю. Н. Ерошенко, *Физическая лаборатория в центре Галактики*, Успехи физических наук 185, 829-843 (2015)
3. A. F. Zakharov, *The Galactic Center: possible interpretations of observational data*, IAU General Assembly, Meeting 29, p. 2254530 (2015)
4. A. F. Zakharov, *Possible alternatives to the supermassive black hole at the Galactic Center*, J. Astrophys. Astron. 36, pp 1-15, DOI: 10.1007/s12036-015-9345-x (2015)
5. P. Jovanović, *Central supermassive black hole of the Milky Way*, Publ. Astron. Obs. Belgrade 94, 161-169 (2016)
6. A. Hees, T. Do, A. M. Ghez et al., *Testing General Relativity with stellar orbits around the supermassive black hole in our Galactic Center*, Phys. Rev. Lett. 118, 211101-1-9 (2017)
7. A. F. Zakharov, *The black hole at the Galactic Center: observations and models in a nutshell*, J. Phys.: Conf. Ser. 934, 012037-1-5 (2017)
8. A. D'Addio, Master Thesis "Test di teorie della gravitazione tramite Sgr A* (Testing theories of gravity by Sgr A*)", University of Naples "Federico II", Italy, 2017
9. H. Rizwana Kausar, *Behaviour of charged collapsing fluids after hydrostatic equilibrium in R^n gravity*, Eur. Phys. J. C 77, 374-1-7 (2017)
10. В. И. Докучаев, Н. О. Назарова, *Гравитационное линзирование звезды вращающейся черной дырой*, Письма в Журнал экспериментальной и теоретической физики 106, 609-614 (2017)
11. A. F. Zakharov, *The black hole at the Galactic Center: observations and models*, Int. J. Mod. Phys. D 27, 1841009-1-15 (2018)
12. A. F. Zakharov, *Constraints on alternative theories of gravity with observations of the Galactic Center*, EPJ Web Conf. 191, 01010-1-9 (2018)
13. A. F. Zakharov, *Constraints on tidal charge of the supermassive black hole at the Galactic Center with trajectories of bright stars*, Eur. Phys. J. C 78, 689-1-7 (2018)
14. V. I. Dokuchaev, N. O. Nazarova, *Gravitational Lensing of a star by a rotating black hole*, JETP Lett. 106, 637-642 (2017)
15. A. Amorim et al. (The GRAVITY Collaboration), *Scalar field effects on the orbit of S2 star*, Mon. Not. R. Astron. Soc. 489, 4606-4621 (2019)
16. M. Kord Zangeneh, H. Moradpour, N. Sadeghnezhad, *A note on cosmological features of modified Newtonian potentials*, Mod. Phys. Lett. A 34, 1950168 (2019)
17. R. I. Gainutdinov, *PPN motion of the S-stars around Sgr A**, Astrophysics 63, 470-481 (2020)
18. V. I. Dokuchaev, N. O. Nazarova, *Visible shapes of black holes M87* and SgrA**, Universe 6, 154-1-27 (2020)
19. V. I. Dokuchaev, N. O. Nazarova, *Silhouettes of invisible black holes*, Phys.-Usp. 63, 583-600 (2020)
20. S. Kalita, *The Galactic Center Black Hole, Sgr A*, as a Probe of New Gravitational Physics with the Scalaron Fifth Force*, Astrophys. J. 893, 31 (2020)
21. P. C. Lalremruati, S. Kalita, *Periastron shift of compact stellar orbits from general relativistic and tidal distortion effects near Sgr A**, Mon. Not. R. Astron. Soc. 502, 3761-3768 (2021)
22. S. Kalita, *Scalaron Gravity near Sagittarius A*: Investigation of Spin of the Black Hole and Observing Requirements*, Astrophys. J. 909, 189-1-6 (2021)

23. D. J. Gogoi, U. Dev Goswami, *Gravitational waves in $f(R)$ gravity power law model*, Indian J. Phys. 96, 637-646 (2022)
24. P. C. Lalremruati, S. Kalita, *Is It Possible to See the Breaking Point of General Relativity near the Galactic Center Black Hole? Consideration of Scalaron and Higher-dimensional Gravity*, Astrophys. J. 925, 126-1-11 (2022)
25. D. Paul, S. Kalita, A. Talukdar, *Unscreening of $f(R)$ gravity near the galactic center black hole: Testability through pericenter shift below S0-2's orbit*, Int. J. Mod. Phys. D 2350021 (2023)
26. A. F. Zakharov, *Trajectories of Bright Stars and Shadows around Supermassive Black Holes as Tests of Gravity Theories*, Phys. Part. Nuclei 54, 889-895 (2023)

S. Capozziello, D. Borka, P. Jovanović, V. Borka Jovanović, *Constraining extended gravity models by S2 star orbits around the Galactic Centre*, Phys. Rev. D 90, 044052-1-8 (2014)

цитира се у:

1. M. Villani, *Constraints on ADM tetrad gravity parameter space from S2 star in the center of the Galaxy and from the Solar System*, arXiv:1502.06801 [gr-qc] (2015)
2. L. Iorio, *Gravitational anomalies in the solar system?*, Int. J. Mod. Phys. D 24, 1530015-1-37 (2015)
3. P. Jovanović, *Central supermassive black hole of the Milky Way*, Publ. Astron. Obs. Belgrade 94, 161-169 (2016)
4. A. Hees, T. Do, A. M. Ghez et al., *Testing General Relativity with stellar orbits around the supermassive black hole in our Galactic Center*, Phys. Rev. Lett. 118, 211101-1-9 (2017)
5. A. D'Addio, Master Thesis "*Test di teorie della gravitazione tramite Sgr A* (Testing theories of gravity by Sgr A*)*", University of Naples "Federico II", Italy, 2017
6. С. В. Клименко, И. Н. Никитин, Л. Д. Никитина, С. А. Тюльбашев, Тахионная модель тёмной материи, In *ТРУДЫ МЕЖДУНАРОДНОЙ НАУЧНОЙ КОНФЕРЕНЦИИ СРТИ1617*, pp. 90-106 (2017)
7. X. Calmet, S. Capozziello, D. Pryer, *Gravitational Effective Action at Second Order in Curvature and Gravitational Waves*, Eur. Phys. J. C 77, 589-1-6 (2017)
8. J. Beltran Jimenez, L. Heisenberg, G. J. Olmo, D. Rubiera-Garcia, *On gravitational waves in Born-Infeld inspired non-singular cosmologies*, J. Cosmol. Astropart. P. 10, 029-1-23 (2017)
9. M. De Laurentis, Z. Younsi, O. Porth, Y. Mizuno, L. Rezzolla, *Test-particle dynamics in general spherically symmetric black hole spacetimes*, Phys. Rev. D 97, 104024-1-17 (2018)
10. B. L. Giacchini, I. L. Shapiro, *Light bending in $f(R)$ extended gravity theories*, Phys. Lett. B 780, 54-60 (2018)
11. R.-G. Cai, T.-B. Liu, S.-J. Wang, *GWs from S-stars revolving around SMBH at Sgr A**, Commun. Theor. Phys. 70, 735-748 (2018)
12. M. De Laurentis, I. De Martino, R. Lazkoz, *Modified gravity revealed along geodesic tracks*, Eur. Phys. J. C 78, 916-1-6 (2018)
13. T. Harko, F. S. N. Lobo, *Extensions of $f(R)$ gravity: curvature-matter couplings and hybrid metric-Palatini theory*, Cambridge Monographs on Mathematical Physics, Cambridge University Press (2018)
14. Y.-F. Chen, C.-G. Qin, Y.-J. Tan, C.-G. Shao, *Test of higher-derivative gravitational relativistic models with the gravitational inverse-square law experiments*, Phys. Rev. D 99, 104008-1-9 (2019)
15. A. Amorim et al. (The GRAVITY Collaboration), *Scalar field effects on the orbit of S2 star*, Mon. Not. R. Astron. Soc. 489, 4606-4621 (2019)

16. S. Kalita, *The Galactic Center Black Hole, Sgr A*, as a Probe of New Gravitational Physics with the Scalaron Fifth Force*, *The Astrophys. J.* 893, 31 (2020)
17. R. I. Gainutdinov, *PPN motion of the S-stars around Sgr A**, *Astrophysics* 63, 470-481 (2020)
18. P. C. Lalremruati, S. Kalita, *Periastron shift of compact stellar orbits from general relativistic and tidal distortion effects near Sgr A**, *Monthly Notices of the Royal Astronomical Society* 502, 3761-3768 (2021)
19. M. Bousder, Z. Sakhi, M. Bennai, *A new unified model of dark matter and dark energy in 5-dimensional $f(R, \phi)$ gravity*, *Int. J. Geom. Methods Mod. Phys.* 17, 2050183 (2020)
20. L. Buoninfante, B. L. Giacchini, *Light bending by a slowly rotating source in quadratic theories of gravity*, *Phys. Rev. D* 102, 024020 (2020)
21. D. Benisty, A.-C. Davis, *Dark energy interactions near the Galactic Center*, *Phys. Rev. D* 105, 024052-1-9 (2022)
22. S. Kalita, *Scalaron Gravity near Sagittarius A*: Investigation of Spin of the Black Hole and Observing Requirements*, *Astrophys. J.* 909, 189-1-6 (2021)
23. I. De Martino, R. della Monica, M. De Laurentis, *$f(R)$ -gravity after the detection of the orbital precession of the S2 star around the Galactic Center massive black hole*, *Phys. Rev. D* 104, L101502-1-7 (2021)
24. P. C. Lalremruati, S. Kalita, *Is It Possible to See the Breaking Point of General Relativity near the Galactic Center Black Hole? Consideration of Scalaron and Higher-dimensional Gravity*, *Astrophys. J.* 925, 126-1-11 (2022)
25. A. Capolupo, G. Lambiase, A. Tedesco, *Precession shift in curvature based extended theories of gravity and quintessence fields*, *Eur. Phys. J. C* 82, 286-1-12 (2022)
26. S. Alexeyev, V. Prokopov, *Extended Gravity Constraints at Different Scales*, *Universe* 8, 283-1-18 (2022)
27. T. Baker, G. Calcagni, A. Chen, M. Fasiello, L. Lombriser, K. Martinović, M. Pieroni, M. Sakellariadou, G. Tasinato, D. Bertacca, I. D. Saltas (LISA Cosmology Working Group), *Measuring the propagation speed of gravitational waves with LISA*, *J. Cosmol. Astropart. Phys.* 2022, No. 8, 031-1-64 (2022)
28. P. C. Lalremruati, S. Kalita, *Effect of Dark Matter Distribution on Scalaron Gravity near the Galactic Center Black Hole and Its Prospects*, *Astrophys. J.* 941, 183 (2022)
29. D. Benisty, J. Mifsud, J. Levi Said, D. Staicova, *Strengthening extended Gravity constraints with combined systems: $f(R)$ bounds from Cosmology and the Galactic Center*, *Phys. Dark Universe* 42, 101344-1-7 (2023)
30. N. Galikyan, Sh. Khlghatyan, A. A. Kocharyan, V. G. Gurzadyan, *Neural network analysis of S-star dynamics: implications for modified gravity*, *Eur. Phys. J. Plus* 138, 883 (2023)
31. D. Benisty, J. Wagner, D. Staicova, *Dark Energy as a Critical Period in Binary Motion: Bounds from Multi-scale Binaries*, arXiv:2310.11488 (2023)
32. N. Galikyan, Sh. Khlghatyan, A. A. Kocharyan, V. G. Gurzadyan, *Neural network analysis of S2-star dynamics: extended mass*, *Eur. Phys. J. Plus* 139, 246-1-6 (2024)
33. N. Galikyan, Sh. Khlghatyan, A. A. Kocharyan, V. G. Gurzadyan, *S2-star dynamics probing the galaxy core cluster*, *Eur. Phys. J. Plus* 139, 821-1-6 (2024)

S. R. Ignjatović, V. Borka Jovanović, *On some models of the exotic hadron states*, *Facta Universitatis: Series Phys. Chem. Tech.* 12, 151-158 (2014)

цитира се у:

1. P. Bicudo, A. Peters, S. Velten, M. Wagner, *Importance of meson-meson and of diquark-antidiquark creation operators for a $\bar{b}b\bar{u}d$ tetraquark*, Phys. Rev. D 103, 114506-1-15 (2021)

Радови 2015.

D. Borka, P. Jovanović, V. Borka Jovanović, A. F. Zakharov, *S2 like star orbits near the galactic center in R and Yukawa gravity*, Chapter 9 in "Advances in General Relativity Research", 343-362, Edited by Cameron Williams, ISBN: 978-1-63483-120-8, Nova Science Publishers (2015)

цитура се у:

1. A. F. Zakharov, *The black hole at the Galactic Center: observations and models*, Int. J. Mod. Phys. D 27, 1841009-1-15 (2018)
2. S. Kalita, P. Bhattacharjee, *Constraining spacetime metrics within and outside general relativity through the Galactic Center black hole ($SgrA^*$) shadow*, Eur. Phys. J. C 83, 120-1-11 (2023)

V. Borka Jovanović, D. Borka, S. M. D. Galijaš, *Channeling of protons through radial deformed carbon nanotubes*, Nucl. Instrum. Meth. B 354, 60-63 (2015)

цитура се у:

1. D. Borka, S. M. D. Galijaš, *Angular and spatial distributions of protons channeled in a bent and radially deformed single-wall boron-nitride nanotubes*, Rom. Rep. Phys. 71, 207 (2019)

Радови 2016.

D. Borka, S. Capozziello, P. Jovanović, V. Borka Jovanović, *Probing hybrid modified gravity by stellar motion around Galactic Centre*, Astropart. Phys. 79, 41-48 (2016)

цитура се у:

1. S. Carloni, T. Koivisto, F. S. N. Lobo, *A dynamical system analysis of hybrid metric-Palatini cosmologies*, Phys. Rev. D 92, 064035-1-11 (2015)
2. S. Capozziello, T. Harko, T. S. Koivisto, F. S. N. Lobo, G. J. Olmo, *Hybrid metric-Palatini gravity*, Universe 1, 199-238 (2015)
3. A. Wojnar, Doctoral Dissertation, "*Extended theories of gravity in cosmological and astrophysical applications*", Institute for Theoretical Physics, Department of Physics and Astronomy, University of Wroclaw, 2016, arXiv:1610.09892 [gr-qc]
4. A. Hees, T. Do, A. M. Ghez et al., *Testing General Relativity with stellar orbits around the supermassive black hole in our Galactic Center*, Phys. Rev. Lett. 118, 211101-1-9 (2017)
5. M. De Laurentis, Z. Younsi, O. Porth, Y. Mizuno, L. Rezzolla, *Test-particle dynamics in general spherically symmetric black hole spacetimes*, Phys. Rev. D 97, 104024-1-17 (2018)
6. M. De Laurentis, I. De Martino, R. Lazkoz, *Modified gravity revealed along geodesic tracks*, Eur. Phys. J. C 78, 916-1-6 (2018)
7. A. Amorim et al. (The GRAVITY Collaboration), *Scalar field effects on the orbit of S2 star*, Mon. Not. R. Astron. Soc. 489, 4606-4621 (2019)
8. T. Harko, F. S. N. Lobo, *Extensions of $f(R)$ gravity: curvature-matter couplings and hybrid metric-Palatini theory*, Cambridge Monographs on Mathematical Physics, Cambridge University Press (2018)

9. P. M. Sa, *Unified Description of Dark Energy and Dark Matter within the Generalized Hybrid Metric-Palatini Theory of Gravity*, Universe 6, 78-1-13 (2020)
10. R. I. Gainutdinov, *PPN motion of the S-stars around Sgr A**, Astrophysics 63, 470-481 (2020)
11. C.-Y. Chen, Y.-H. Kung, P. Chen, *Black hole perturbations and quasinormal modes in hybrid metric-Palatini gravity*, Phys. Rev. D 102, 124033-1-11 (2020)
12. T. Harko, F. S. N. Lobo, *Beyond Einstein's General Relativity: Hybrid metric-Palatini gravity and curvature-matter couplings*, Int. J. Mod. Phys. D 29, 2030008 (2020)
13. D. Benisty, A.-C. Davis, *Dark energy interactions near the Galactic Center*, Phys. Rev. D 105, 024052-1-9 (2022)
14. D. Benisty, *Testing modified gravity via Yukawa potential in two body problem: Analytical solution and observational constraints*, Phys. Rev. D 106, 043001-1-6 (2022)
15. D. Benisty, J. Mifsud, J. Levi Said, D. Staicova, *Strengthening extended Gravity constraints with combined systems: $f(R)$ bounds from Cosmology and the Galactic Center*, Phys. Dark Universe 42, 101344-1-7 (2023)
16. D. Benisty, J. Wagner, D. Staicova, *Dark Energy as a Critical Period in Binary Motion: Bounds from Multi-scale Binaries*, arXiv:2310.11488 (2023)

A. F. Zakharov, P. Jovanović, D. Borika, V. Borika Jovanović, *Constraining the range of Yukawa gravity interaction from S2 star orbits II: bounds on graviton mass*, J. Cosmol. Astropart. P. 2016, No. 05, 045-1-10 (2016)

цитира се у:

1. C. de Rham, J. T. Deskins, A. J. Tolley, S.-Y. Zhou, *Graviton mass bounds*, Rev. Mod. Phys. 89, 025004-1-29 (2017)
2. V. O. Soloviev, *Hamiltonian cosmology of bigravity*, Phys. Part. Nuclei 48, 287-308 (2017)
3. A. Hees, T. Do, A. M. Ghez et al., *Testing General Relativity with stellar orbits around the supermassive black hole in our Galactic Center*, Phys. Rev. Lett. 118, 211101-1-9 (2017)
4. A. F. Zakharov, *The black hole at the Galactic Center: observations and models in a nutshell*, J. Phys.: Conf. Ser. 934, 012037-1-5 (2017)
5. D. S. Chu, T. Do, A. Hees et al., *Investigating the Binarity of S0-2: Implications for its Origins and Robustness as a Probe of the Laws of Gravity around a Supermassive Black Hole*, Astrophys. J. 854, 12-1-10 (2018).
6. I. De Martino, R. Lazkoz, M. De Laurentis, *Analysis of the Yukawa gravitational potential in $f(R)$ gravity I: semiclassical periastron advance*, Phys. Rev. D 97, 104067-1-10 (2018)
7. M. De Laurentis, I. De Martino, R. Lazkoz, *Analysis of the Yukawa gravitational potential in $f(R)$ gravity II: relativistic periastron advance*, Phys. Rev. D 97, 104068-1-12 (2018)
8. A. F. Zakharov, *The black hole at the Galactic Center: observations and models*, Int. J. Mod. Phys. D 27, 1841009-1-15 (2018)
9. A. Rana, D. Jain, S. Mahajan, A. Mukherjee, *Probing Graviton mass using weak lensing and SZ effect in Galaxy Clusters*, Phys. Lett. B 781, 220-226 (2018)
10. A. F. Zakharov, *Constraints on alternative theories of gravity with observations of the Galactic Center*, EPJ Web Conf. 191, 01010-1-9 (2018)
11. A. F. Zakharov, *Constraints on tidal charge of the supermassive black hole at the Galactic Center with trajectories of bright stars*, Eur. Phys. J. C 78, 689-1-7 (2018)
12. V. I. Dokuchaev, N. O. Nazarova, *Gravitational Lensing of a star by a rotating black hole*, JETP Lett. 106, 637-642 (2017)
13. R.-G. Cai, T.-B. Liu, S.-J. Wang, *GWs from S-stars revolving around SMBH at Sgr A**, Commun. Theor. Phys. 70, 735-748 (2018)

14. M. De Laurentis, I. De Martino, R. Lazkoz, *Modified gravity revealed along geodesic tracks*, Eur. Phys. J. C 78, 916-1-6 (2018)
15. Z. Stuchlik, J. Schee, *Shadow of the regular Bardeen black holes and comparison of the motion of photons and neutrinos*, Eur. Phys. J. C 79, 44-1-13 (2019)
16. A. F. Zakharov, *Tests of gravity theories with Galactic Center observations*, Int. J. Mod. Phys. D 28, 1941003-1-17 (2019)
17. M. Kord Zangeneh, H. Moradpour, N. Sadeghnezhad, *A note on cosmological features of modified Newtonian potentials*, Mod. Phys. Lett. A 34, 1950168 (2019)
18. J. Tate Deskins, Doctoral Dissertation "*Constraints on Massive Gravity: A Numerical Study of Galileons*", Case Western Reserve University, Ohio, US, 2019
19. A. Amorim et al. (The GRAVITY Collaboration), *Scalar field effects on the orbit of S2 star*, Mon. Not. R. Astron. Soc. 489, 4606-4621 (2019)
20. V. I. Dokuchaev, N. O. Nazarova, *Silhouettes of invisible black holes*, Phys.-Usp. 63, 583-600 (2020)
21. S. X. Tian, Zong-Hong Zhu, *Quantization of the nonstandard propagating gravitational waves in the cosmological background*, Phys. Dark Universe 27, 100418 (2020)
22. A. F. Zakharov, *Gravity theory tests with observations of stars near the black hole at the Galactic Center*, J. Phys.: Conf. Ser. 1390, 012089 (2019)
23. S. Capozziello, M. Capriolo, L. Caso, *Weak field limit and gravitational waves in $f(T,B)$ teleparallel gravity*, Eur. Phys. J. C 80, 156 (2020)
24. A. F. Zakharov, *Constraints on graviton mass and a tidal charge with observations of the Galactic Center*, Proceedings of the 54st Rencontres de Moriond (Gravitation Session), La Thuile, Italy, March 23 - 30, p. 85-88 (2019)
25. A. Hees, T. Do, B. M. Roberts, A. M. Ghez, S. Nishiyama, R. O. Bentley, A. K. Gautam, S. Jia, T. Kara, J. R. Lu, H. Saida, S. Sakai, M. Takahashi, Y. Takamori, *Search for a Variation of the Fine Structure Constant around the Supermassive Black Hole in Our Galactic Center*, Phys. Rev. Lett. 124, 081101 (2020)
26. R. I. Gainutdinov, *PPN motion of the S-stars around Sgr A**, Astrophysics 63, 470-481 (2020)
27. В. И. Докучаев, Н. О. Назарова, *Силуэты невидимых чёрных дыр*, Успехи физических наук 190, 627-647 (2020)
28. V. I. Dokuchaev, N. O. Nazarova, *Visible shapes of black holes M87* and SgrA**, Universe 6, 154-1-27 (2020)
29. A. F. Zakharov, *Tests of gravity theories with black hole observations*, Publ. Astron. Obs. Belgrade No. 100, 43-53 (2021)
30. A. F. Zakharov, *Tests of Gravitational Theories with Observations of the Galactic Center and the Center of the Galaxy M87*, Phys. Part. Nuclei 51, 750-756 (2020)
31. A. D'Addio, *S-star dynamics through a Yukawa-like gravitational potential*, Phys. Dark Universe 33, 100871-1-9 (2021)
32. R. Garattini, *Yukawa-Casimir wormholes*, Eur. Phys. J. C 81, 824-1-14 (2021)
33. A. F. Zakharov, *Testing the Galactic Centre potential with S-stars*, arXiv:2108.09709v3 (2021)
34. D. Benisty, A.-C. Davis, *Dark energy interactions near the Galactic Center*, Phys. Rev. D 105, 024052-1-9 (2022)
35. A. Piorkowska-Kurpas, *Graviton Mass in the Era of Multi-Messenger Astronomy*, Universe 8, 83 (2022)
36. A. Piorkowska-Kurpas, S. Cao, M. Biesiada, *Graviton mass from X-COP galaxy clusters*, J. High Energy Astrophys. 33, 37-43 (2022)
37. D. Benisty, *Testing modified gravity via Yukawa potential in two body problem: Analytical solution and observational constraints*, Phys. Rev. D 106, 043001-1-6 (2022)

38. Y. Dong, L. Shao, Z. Hu, X. Miao, Z. Wang, *Prospects for Constraining the Yukawa Gravity with Pulsars around Sagittarius A**, arXiv:2210.16130 [astro-ph.HE] (2022)
39. A. F. Zakharov, *Orbits of Bright Stars Near the Galactic Center as a Tool to Test Gravity Theories*, Moscow University Physics Bulletin 77, Issue 2, 341-348 (2022)
40. A. Jawad, M. B. A. Sulehri, S. Rani, *Physical analysis of Yukawa-Casimir traversable wormhole solutions in non-minimally coupled $f(T)$ gravity*, Eur. Phys. J. Plus 137, 1274 (2022)
41. D. Benisty, J. Mifsud, J. Levi Said, D. Staicova, *Strengthening extended Gravity constraints with combined systems: $f(R)$ bounds from Cosmology and the Galactic Center*, Phys. Dark Universe 42, 101344-1-7 (2023)
42. A. F. Zakharov, *Trajectories of Bright Stars and Shadows around Supermassive Black Holes as Tests of Gravity Theories*, Phys. Part. Nuclei 54, 889-895 (2023)
43. A. F. Zakharov, *Shadows near supermassive black holes: From a theoretical concept to GR test*, Int. J. Mod. Phys. D (2023) DOI:10.1142/S0218271823400047
44. D. Benisty, J. Wagner, D. Staicova, *Dark Energy as a Critical Period in Binary Motion: Bounds from Multi-scale Binaries*, arXiv:2310.11488 (2023)
45. A. Jiachen, X. Yadong, C. Zhoujian, H. Xiaokai, S. Bing, *The effect of the gravitational constant variation on the propagation of gravitational waves*, Phys. Lett. B 844, 138108-1-5 (2023)
46. A. F. Zakharov, *Astrophysical Tests of General Relativity*, Phys. Part. Nuclei 55, 1413-1419 (2024)
47. P. Bambhaniya, A. B. Joshi, D. Dey, P. S. Joshi, A. Mazumdar, T. Harada, K.-i. Nakao, *Relativistic orbits of S2 star in the presence of scalar field*, Eur. Phys. J. C 84, 124-1-7 (2024)

A. F. Zakharov, P. Jovanović, D. Borka, V. Borka Jovanović, Trajectories of bright stars at the Galactic Center as a tool to evaluate a graviton mass, EPJ Web Conf. 125, 01011-1-8 (2016)

цитира се у:

1. A. F. Zakharov, *The black hole at the Galactic Center: observations and models in a nutshell*, J. Phys.: Conf. Ser. 934, 012037-1-5 (2017)
2. A. F. Zakharov, *The black hole at the Galactic Center: observations and models*, Int. J. Mod. Phys. D 27, 1841009-1-15 (2018)
3. A. F. Zakharov, *Constraints on alternative theories of gravity with observations of the Galactic Center*, EPJ Web Conf. 191, 01010-1-9 (2018)
4. A. F. Zakharov, *Constraints on tidal charge of the supermassive black hole at the Galactic Center with trajectories of bright stars*, Eur. Phys. J. C 78, 689-1-7 (2018)
5. A. F. Zakharov, *Tests of gravity theories with Galactic Center observations*, Int. J. Mod. Phys. D 28, 1941003-1-17 (2019)
6. A. F. Zakharov, *Gravity theory tests with observations of stars near the black hole at the Galactic Center*, J. Phys.: Conf. Ser. 1390, 012089 (2019)

P. Jovanović, V. Borka Jovanović, D. Borka, L. Č. Popović, Line shifts in accretion disks - the case of Fe K α , Astrophys. Space Sci. 361, 75-1-8 (2016)

цитира се у:

1. A. Foord, K. Gultekin, M. Reynolds, M. Ayers, T. Liu, S. Gezari, J. Runnoe, *A Multi-wavelength Analysis of Binary-AGN Candidate PSO J334.2028+01.4075*, Astrophys. J. 851, 106-1-9 (2017)

2. L. Č. Popović, D. Ilić, E. Bon, N. Bon, P. Jovanović et al., *Spectroscopy and spectropolarimetry of AGN: from observations to modelling*, Publ. Astron. Obs. Belgrade No. 98, 49-58 (2018)
3. A. Foord, Doctoral dissertation "*Discovering the Missing Population of AGN Pairs with Chandra*", The University of Michigan, 2020

V. Borka Jovanović, S. Capozziello, P. Jovanović, D. Borka, *Recovering the fundamental plane of galaxies by $f(R)$ gravity*, Phys. Dark Universe 14, 73-83 (2016)

цитира се у:

1. H. Rizwana Kausar, *Behaviour of charged collapsing fluids after hydrostatic equilibrium in R^n gravity*, Eur. Phys. J. C 77, 374-1-7 (2017)
2. I. Licata, H. Moradpour, C. Corda, *The commutator algebra of covariant derivative as general framework for extended gravity. The Rastall theory case and the role of the torsion*, Int. J. Geom. Meth. Mod. Phys. 14, 1730003-237-1-20 (2017)
3. P. I. Dyadina, N. A. Avdeev, S. O. Alexeyev, *Horndeski gravity without screening in binary pulsars*, Mon. Not. R. Astron. Soc 483, 947-963 (2019)
4. M. Vasilović, *Gravitational acceleration in a class of geometric sigma models*, Phys. Rev. D 99, 024038-1-10 (2019)
5. A. G. Shalaby, *Impact of the running gravitational constant on the extensive thermodynamics of galaxies*, Int. J. Mod. Phys. A 34, 1950014 (2019)
6. C. Saulder, I. Steer, O. Snaith, C. Park, *Distance measurements to early-type galaxies by improving the fundamental plane*, Mon. Not. R. Astron. Soc., arXiv:1905.12970 (2019)
7. A. Maeder, V. G. Gueorguiev, *Scale-invariant dynamics of galaxies, MOND, dark matter, and the dwarf spheroidals*, Mon. Not. R. Astron. Soc. 492, 2698-2708 (2019)
8. A. Maeder, V. G. Gueorguiev, *The growth of the density fluctuations in the scale-invariant vacuum theory*, Phys. Dark Universe 25, 100315-1-12 (2019)
9. A. Giusti, *On the corpuscular theory of gravity*, Int. J. Geom. Meth. Mod. Phys. 16, 1930001 (2019)
10. K. Newton Singh, A. Errehymy, F. Rahaman, M. Daoud, *Exploring physical properties of compact stars in $f(R, T)$ -gravity: An embedding approach*, Chinese Phys. C 44, 105106 (2020)
11. S. K. Maurya, F. Tello-Ortiz, *Anisotropic fluid spheres in the framework of $f(R, T)$ gravity theory*, Annals of Physics 414, 168070 (2020)
12. S. K. Maurya, A. Errehymy, Ksh. Newton Singh, F. Tello-Ortiz, M. Daoud, *Gravitational decoupling minimal geometric deformation model in modified $f(R, T)$ gravity theory*, Phys. Dark Universe 30, 100640 (2020)
13. F. Bajardi, S. Capozziello, *$f(G)$ Noether cosmology*, Eur. Phys. J. C 80, 704-1-12 (2020)
14. A. Errehymy, M. Daoud, *Studies an analytic model of a spherically symmetric compact object in Einsteinian gravity*, Eur. Phys. J. C 80, 258-1-12 (2020)
15. C. Deliduman, O. Kasikci, B. Yapiskan, *Flat galactic rotation curves from geometry in Weyl gravity*, Astrophys. Space Sci. 365, 51 (2020)
16. S. K. Maurya, F. Tello-Ortiz, *Decoupling gravitational sources by MGD approach in Rastall gravity*, Phys. Dark Universe 29, 100577 (2020)
17. E. Barrientos, T. Bernal, S. Mendoza, *Non-vacuum relativistic extensions of MOND using metric theories of gravity with curvature-matter couplings and their applications to the accelerated expansion of the universe without dark components*, Int. J. Geom. Methods Mod. Phys. 18, 2150086 (2021)
18. M. Tahir, G. Abbas, K. Bamba, M. R. Shahzad, *Dynamics of dissipative self-gravitating source in Rastall gravity*, Int. J. Mod. Phys. A 36, 2150153 (2021)

19. F. Bajardi, S. Capozziello, *Noether Symmetries in Theories of Gravity: With Applications to Astrophysics and Cosmology*, Cambridge Monographs on Mathematical Physics, Cambridge University Press, ISBN 978-1-009-20874-1, DOI:10.1017/9781009208727 (2022)
20. S. Ganesh, *Many body gravity and the bullet cluster*, *Astropart. Phys.* 167, 103080-1-9 (2025)

Радови 2017.

S. Capozziello, P. Jovanović, V. Borka Jovanović, D. Borka, *Addressing the missing matter problem in galaxies through a new fundamental gravitational radius*, *J. Cosmol. Astropart. P.* 2017, No. 06, 044-1-17 (2017)

цитира се у:

1. P. Di Cintio, L. Ciotti, C. Nipoti, *Radially anisotropic systems with $Sr^{-\alpha}$ forces - II: radial-orbit instability*, *Mon. Not. R. Astron. Soc.* 468, 2222-2231 (2017)
2. A. Finch, J. Levi Said, *Galactic rotation dynamics in $f(T)$ gravity*, *Eur. Phys. J. C* 78, 560-1-18 (2018)
3. E. Santos, *Dark matter as an effect of the quantum vacuum*, *Astrophys. Space Sci.* 363, 74-1-12 (2018)
4. S. Capozziello, K. F. Dialektopoulos, S. V. Sushkov, *Classification of the Horndeski cosmologies via Noether Symmetries*, *Eur. Phys. J. C* 78, 447-1-12 (2018)
5. C. Castro Perelman, *Dynamical Dark Energy and the Relativistic Bohm-Poisson Equation*, *J. Astrophys. Aerospace Technol.* 6, 34, 17pp (2018) DOI: 10.13140/RG.2.2.19042.63687
6. C. Castro Perelman, *On Finsler Geometry, MOND and Diffeomorphic Metrics to the Schwarzschild Solution*, 18pp (2018) DOI: 10.13140/RG.2.2.26150.42565
7. I. X. Hernandez, R. A. Sussman, L. Nasser, *Approaching the Dark Sector through a bounding curvature criterion*, *Mon. Not. R. Astron. Soc.* 483, 147-151 (2019)
8. M. Platscher, J. Smirnov, S. Meyer, M. Bartelmann, *Long Range Effects in Gravity Theories with Vainshtein Screening*, *J. Cosmol. Astropart. P.* 12, 009 (2018)
9. V. G. Gurzadyan, *On the common nature of dark matter and dark energy: Galaxy groups*, *Eur. Phys. J. Plus* 134, 14 (2019)
10. M. Vasilić, *Gravitational acceleration in a class of geometric sigma models*, *Phys. Rev. D* 99, 024038-1-10 (2019)
11. A. G. Shalaby, *Impact of the running gravitational constant on the extensive thermodynamics of galaxies*, *Int. J. Mod. Phys. A* 34, 1950014 (2019)
12. A. V. Minkevich, *About gravitational interaction in astrophysics in Riemann-Cartan space-time*, *Classical Quant. Grav.* 36, 055003 (2019)
13. C. Castro Perelman, *Is dark matter and black hole cosmology an effect of Born's reciprocal relativity theory?*, *Can. J. Phys.* 97, 198-209 (2019)
14. A. Maeder, V. G. Gueorguiev, *The growth of the density fluctuations in the scale-invariant vacuum theory*, *Phys. Dark Universe* 25, 100315-1-12 (2019)
15. W. Yang, S. Pan, S. Vagnozzi, E. Di Valentino, D. F. Mota, S. Capozziello, *Dawn of the dark: unified dark sectors and the EDGES Cosmic Dawn 21-cm signal*, *J. Cosmol. Astropart. P.* 11, 044 (2019)
16. K. Dialektopoulos, Doctoral Dissertation "Geometric Foundations of Gravity and Applications", University of Naples "Federico II", Italy, 2019
17. Y.-F. Chen, C.-G. Qin, Y.-J. Tan, C.-G. Shao, *Test of higher-derivative gravitational relativistic models with the gravitational inverse-square law experiments*, *Phys. Rev. D* 99, 104008-1-9 (2019)

18. R. A. Sussman, X. Hernandez, *Relativistic interpretation and cosmological signature of Milgrom's acceleration*, arXiv:1908.05412 (2019)
19. A. Maeder, V. G. Gueorguiev, *Scale-invariant dynamics of galaxies, MOND, dark matter, and the dwarf spheroidals*, Mon. Not. R. Astron. Soc. 492, 2698-2708 (2019)
20. S. Vagnozzi, C. Bambi, L. Visinelli, *Concerns regarding the use of black hole shadows as standard rulers*, Classical and Quantum Gravity 37, 087001 (2020)
21. C. Deliduman, O. Kasikci, B. Yapiskan, *Flat galactic rotation curves from geometry in Weyl gravity*, Astrophys. Space Sci. 365, 51 (2020)
22. V. K. Sharma, B. K. Yadav, M. M. Verma, *Extended galactic rotational velocity profiles in $f(R)$ gravity background*, Eur. Phys. J. C 80, 619 (2020)
23. S. Capozziello, C. A. Mantica, L. G. Molinari, *General properties of $f(R)$ gravity vacuum solutions*, Int. J. Mod. Phys. D 29, 2050089 (2020)
24. M. Sharif, M. Zeeshan Gul, *Noether symmetry approach in energy-momentum squared gravity*, Phys. Scr. 96, 025002 (2021)
25. A. D. Di Virgilio, C. Altucci, F. Bajardi, A. Basti, N. Beverini, S. Capozziello, G. Carelli et al., *Sensitivity limit investigation of a Sagnac gyroscope through linear regression analysis*, Eur. Phys. J. C 81, 400-1-19 (2021)
26. F. Bajardi, D. Vernieri, S. Capozziello, *Bouncing cosmology in $f(Q)$ symmetric teleparallel gravity*, Eur. Phys. J. Plus 135, 912 (2020)
27. S. Capozziello, O. Luongo, L. Mauro, *Traversable wormholes with vanishing sound speed in $f(R)$ gravity*, Eur. Phys. J. Plus 136, 167 (2021)
28. E. Barrientos, T. Bernal, S. Mendoza, *Non-vacuum relativistic extensions of MOND using metric theories of gravity with curvature-matter couplings and their applications to the accelerated expansion of the universe without dark components*, Int. J. Geom. Methods Mod. Phys. 18, 2150086 (2021)
29. M. Faizal, H. Patel, *Probing short distance gravity using temporal lensing*, Int. J. Mod. Phys. A 36, 2150115 (2021)
30. B. Pourhassan, A. Bhat, H. Patel, M. Faizal, N. Mantella, *Proposed experimental test of Randall-Sundrum models*, Int. J. Mod. Phys. D 31, 2150122 (2022)
31. V. K. Sharma, M. M. Verma, *Unified $f(R)$ gravity at local scales*, Eur. Phys. J. C 82, 400-1-14 (2022)
32. F. Bajardi, S. Capozziello, *Noether Symmetries in Theories of Gravity: With Applications to Astrophysics and Cosmology*, Cambridge Monographs on Mathematical Physics, Cambridge University Press, ISBN 978-1-009-20874-1, DOI:10.1017/9781009208727 (2022)
33. S. Capozziello, V. De Falco, C. Ferrara, *Comparing equivalent gravities: common features and differences*, Eur. Phys. J. C 82, 865-1-30 (2022)
34. D. Paul, S. Kalita, A. Talukdar, *Unscreening of $f(R)$ gravity near the galactic center black hole: Testability through pericenter shift below $S0-2$'s orbit*, Int. J. Mod. Phys. D 2350021 (2023)
35. D. Benisty, S. Capozziello, *Tracking the Local Group dynamics by extended gravity*, Phys. Dark Universe 39, 101175-1-7 (2023)
36. F. Bouche, S. Capozziello, C. De Simone, V. Salzano, *Testing non-local gravity through Ultra-Diffuse Galaxies kinematics*, Phys. Dark Universe 46, 101579-1-14 (2024)
37. S. Ganesh, *Many body gravity and the bullet cluster*, Astropart. Phys. 167, 103080-1-9 (2025)

A. F. Zakharov, P. Jovanović, D. Borka, V. Borka Jovanović, *Graviton mass evaluation with trajectories of bright stars at the Galactic Center*, J. Phys.: Conf. Ser. 798, 012081-1-5 (2017)

цитура се у:

1. A. F. Zakharov, *The black hole at the Galactic Center: observations and models in a nutshell*, J. Phys.: Conf. Ser. 934, 012037-1-5 (2017)
2. A. F. Zakharov, *The black hole at the Galactic Center: observations and models*, Int. J. Mod. Phys. D 27, 1841009-1-15 (2018)
3. A. F. Zakharov, *Constraints on alternative theories of gravity with observations of the Galactic Center*, EPJ Web Conf. 191, 01010-1-9 (2018)
4. A. F. Zakharov, *Tests of gravity theories with Galactic Center observations*, Int. J. Mod. Phys. D 28, 1941003-1-17 (2019)
5. A. F. Zakharov, *Gravity theory tests with observations of stars near the black hole at the Galactic Center*, J. Phys.: Conf. Ser. 1390, 012089 (2019)
6. P. Mandrik, *Top FCNC searches at HL-LHC with the CMS experiment*, EPJ Web of Conferences 191, 02009 (2018)

A. F. Zakharov, P. Jovanović, D. Borka, V. Borka Jovanović, *Graviton mass bounds from an analysis of bright star trajectories at the Galactic Center*, EPJ Web Conf. 138, 01010-1-10 (2017)

цитура се у:

1. A. F. Zakharov, *The black hole at the Galactic Center: observations and models in a nutshell*, J. Phys.: Conf. Ser. 934, 012037-1-5 (2017)
2. A. F. Zakharov, *The black hole at the Galactic Center: observations and models*, Int. J. Mod. Phys. D 27, 1841009-1-15 (2018)
3. A. F. Zakharov, *Constraints on alternative theories of gravity with observations of the Galactic Center*, EPJ Web Conf. 191, 01010-1-9 (2018)
4. A. F. Zakharov, *Tests of gravity theories with Galactic Center observations*, Int. J. Mod. Phys. D 28, 1941003-1-17 (2019)
5. A. F. Zakharov, *Gravity theory tests with observations of stars near the black hole at the Galactic Center*, J. Phys.: Conf. Ser. 1390, 012089 (2019)
6. B. S. Athira, S. Mandal, S. Banerjee, *Characteristics of interaction between gravitons and photons*, Eur. Phys. J. Plus 136, 403 (2021)

A. F. Zakharov, P. Jovanović, D. Borka, V. Borka Jovanović, *Different ways for graviton mass evaluations*, Proceedings of the 52nd Rencontres de Moriond (Gravitation Session), La Thuile, Italy, March 25 - April 1, p. 247-250 (2017)

цитура се у:

1. A. F. Zakharov, *Constraints on alternative theories of gravity with observations of the Galactic Center*, EPJ Web Conf. 191, 01010-1-9 (2018)

D. Borka, V. Borka Jovanović, C. Lemell, K. Tokesi, *Electron transmission through a macroscopic platinum capillary*, Nucl. Instrum. Meth. B 406, 413-416 (2017)

цитура се у:

1. J. B. Maljković, D. Borka, M. L. Ranković, B. P. Marinković, A. R. Milosavljević, C. Lemell, K. Tokesi, *Electron transmission through a steel capillary*, Nucl. Instrum. Meth. B 423, 87-91 (2018)

2. D. Borka, J. Toth, K. Tokesi, *Backscattered electron spectra from graphite*, Phys. Lett. A 382, 2470-2474 (2018)
3. E. Muratova, A. Shemukhin, *Localization of Ionizing Radiation Using Nanoporous Alumina Matrices*, Proceedings of the 2019 IEEE International Conference on Electrical Engineering and Photonics (EexPolytech), pp. 220-222 (2019)
4. E. N. Muratova, A. A. Ponomareva, A. A. Shemukhin, Y. V. Balakshin, A. P. Evseev, V. A. Moshnikov, A. A. Zhilenkov, O. Yu. Kichigina, *The Influence of the Structural Parameters of Nanoporous Alumina Matrices on Optical Properties*, Metals 14, 651-1-10 (2024)

V. Borka Jovanović, D. Borka, S. M. D. Galijaš, Channeling of protons through radial deformed carbon nanotubes, Phys. Lett. A 381, 1687-1692 (2017)

цитира се у:

1. J. Feng, P. Chen, D. Zheng, W. Zhong, *Transport diffusion in deformed carbon nanotubes*, Physica A 493, 155-161 (2018)
 2. M. A. Bubenchikov, O. E. Kolykhalova, O. V. Usenko, *Calculation of the permeability of the stackings of multi-walled nanotubes*, Vestnik Tomskogo Gosudarstvennogo Universiteta, Matematika i Mekhanika 53, 47-58 (2018)
 3. I. D. Borka, S. M. D. Galijaš, *Angular and spatial distributions of protons channeled in a bent and radially deformed single-wall boron-nitride nanotubes*, Rom. Rep. Phys. 71, 207 (2019)
 4. S. Galijaš, G. B. Poparić, *Evaluation of electron capture distances of the Rydberg ion-surface interactions*, Phys. Scripta 94, 025401 (2019)
 5. G. Ijeomah, F. Samsuri, F. Obite, M. A. Zawawi, *Theoretical modelling of charge transport properties of individual single-wall carbon nanotubes*, International Journal of Engineering Technology and Sciences 5, 14-34 (2018)
 6. S. I. Matyukhin, S. Yu. Grishina, *Best conditions for an ionic implantation of particles into carbon nanotubes with usage the channeling effect*, IEEE 4th International Conference on Nanoscience and Technology (ICNST), p. 9-13 (2021)
- D. P. Nikezić, D. S. Radivojević, N. S. Mirkov, I. M. Lazović, T. A. Miljojčić, *Symmetric U-Net Model Tuned by FOX Metaheuristic Algorithm for Global Prediction of High Aerosol Concentrations*, Symmetry 16, 525-1-9 (2024)

Радови 2018.

A. F. Zakharov, P. Jovanović, D. Borka, V. Borka Jovanović, Different ways to estimate graviton mass, Int. J. Mod. Phys. Conf. Ser. 47, 1860096-1-7 (2018)

цитира се у:

1. A. F. Zakharov, *The black hole at the Galactic Center: observations and models*, Int. J. Mod. Phys. D 27, 1841009-1-15 (2018)
2. A. F. Zakharov, *Constraints on alternative theories of gravity with observations of the Galactic Center*, EPJ Web Conf. 191, 01010-1-9 (2018)
3. A. F. Zakharov, *Tests of gravity theories with Galactic Center observations*, Int. J. Mod. Phys. D 28, 1941003-1-17 (2019)
4. Rana, Akshay, Deepak Jain, Shobhit Mahajan, and Amitabha Mukherjee. "Bounds on graviton mass using weak lensing and SZ effect in galaxy clusters." Phys. Lett. B 781 (2018): 220-226.
5. P. Mandrik, *Top FCNC searches at HL-LHC with the CMS experiment*, EPJ Web of Conferences 191, 02009 (2018)

6. T. Inagaki, M. Taniguchi, *Gravitational waves in modified Gauss-Bonnet gravity*, Int. J. Mod. Phys. D 29, 2050072 (2020)
7. B. S. Athira, S. Mandal, S. Banerjee, *Characteristics of interaction between gravitons and photons*, Eur. Phys. J. Plus 136, 403 (2021)

A. F. Zakharov, P. Jovanović, D. Borka, V. Borka Jovanović, *Constraining the range of Yukawa gravity interaction from S2 star orbits III: improvement expectations for graviton mass bounds*, J. Cosmol. Astropart. P. 2018, No. 04, 050-1-21 (2018)

цитура се у:

1. I. De Martino, R. Lazkoz, M. De Laurentis, *Analysis of the Yukawa gravitational potential in $f(R)$ gravity I: semiclassical periastron advance*, Phys. Rev. D 97, 104067-1-10 (2018)
2. M. De Laurentis, I. De Martino, R. Lazkoz, *Analysis of the Yukawa gravitational potential in $f(R)$ gravity II: relativistic periastron advance*, Phys. Rev. D 97, 104068-1-12 (2018)
3. A. F. Zakharov, *Constraints on tidal charge of the supermassive black hole at the Galactic Center with trajectories of bright stars*, Eur. Phys. J. C 78, 689-1-7 (2018)
4. R.-G. Cai, T.-B. Liu, S.-J. Wang, *GWs from S-stars revolving around SMBH at Sgr A**, Commun. Theor. Phys. 70, 735-748 (2018)
5. A. F. Zakharov, *Constraints on alternative theories of gravity with observations of the Galactic Center*, EPJ Web Conf. 191, 01010-1-9 (2018)
6. M. De Laurentis, I. De Martino, R. Lazkoz, *Modified gravity revealed along geodesic tracks*, Eur. Phys. J. C 78, 916-1-6 (2018)
7. S. Gupta, S. Desai, *Limit on graviton mass using stacked galaxy cluster catalogs from SPT-SZ, Planck-SZ and SDSS-redMaPPer*, Ann. Phys. 399, 85-92 (2018)
8. A. F. Zakharov, *Tests of gravity theories with Galactic Center observations*, Int. J. Mod. Phys. D 28, 1941003-1-17 (2019)
9. C. Martz, S. Van Middelkoop, I. Gkigkitzis, I. Haranas, I. Kotsireas, *Yukawa potential orbital energy: its relation to orbital mean motion as well to the graviton mediating the interaction in celestial bodies*, Adv. Math. Phys. 2019, 6765827-1-10 (2019)
10. A. Amorim et al. (The GRAVITY Collaboration), *Scalar field effects on the orbit of S2 star*, Mon. Not. R. Astron. Soc. 489, 4606-4621 (2019)
11. A. F. Zakharov, *Gravity theory tests with observations of stars near the black hole at the Galactic Center*, J. Phys.: Conf. Ser. 1390, 012089 (2019)
12. S. Capozziello, M. Capriolo, L. Caso, *Weak field limit and gravitational waves in $f(T,B)$ teleparallel gravity*, Eur. Phys. J. C 80, 156 (2020)
13. A. F. Zakharov, *Constraints on graviton mass and a tidal charge with observations of the Galactic Center*, Proceedings of the 54th Rencontres de Moriond (Gravitation Session), La Thuile, Italy, March 23 - 30, p. 85-88 (2019)
14. S. Gupta, S. Desai, *Bound on the graviton mass from Chandra x-ray cluster sample*, Class. Quantum Grav. 36, 105001 (2019)
15. A. F. Zakharov, *Tests of Gravitational Theories with Observations of the Galactic Center and the Center of the Galaxy M87*, Phys. Part. Nuclei 51, 750-756 (2020)
16. R. I. Gainutdinov, *PPN motion of the S-stars around Sgr A**, Astrophysics 63, 470-481 (2020)
17. A. Hees, T. Do, B. M. Roberts, A. M. Ghez, S. Nishiyama, R. O. Bentley, A. K. Gautam, S. Jia, T. Kara, J.R. Lu, H. Saida, S. Sakai, M. Takahashi, Y. Takamori, *Search for a Variation of the Fine Structure Constant around the Supermassive Black Hole in Our Galactic Center*, Phys. Rev. Lett. 124, 081101 (2020)
18. R. I. Gainutdinov, *PPN motion of the S-stars around Sgr A**, Astrophysics 63, 470-481 (2020)

19. A. D'Addio, *S-star dynamics through a Yukawa-like gravitational potential*, Phys. Dark Universe 33, 100871-1-9 (2021)
20. R. Garattini, *Yukawa-Casimir wormholes*, Eur. Phys. J. C 81, 824-1-14 (2021)
21. A. F. Zakharov, *Testing the Galactic Centre potential with S-stars*, Mon. Not. R. Astron. Soc: Letters 513, L6-L9 (2022)
22. P. C. Lalremruati, S. Kalita, *Is It Possible to See the Breaking Point of General Relativity near the Galactic Center Black Hole? Consideration of Scalaron and Higher-dimensional Gravity*, Astrophys. J. 925, 126-1-11 (2022)
23. Y. Dong, L. Shao, Z. Hu, X. Miao, Z. Wang, *Prospects for Constraining the Yukawa Gravity with Pulsars around Sagittarius A**, J. Cosmol. Astropart. P. 2022, No. 11, 051-1-18 (2022)
24. A. F. Zakharov, *Orbits of Bright Stars Near the Galactic Center as a Tool to Test Gravity Theories*, Moscow University Physics Bulletin 77, Issue 2, 341-348 (2022)
25. A. Jawad, M. B. A. Sulehri, S. Rani, *Physical analysis of Yukawa-Casimir traversable wormhole solutions in non-minimally coupled $f(T)$ gravity*, Eur. Phys. J. Plus 137, 1274 (2022)
26. D. Benisty, S. Capozziello, *Tracking the Local Group dynamics by extended gravity*, Phys. Dark Universe 39, 101175-1-7 (2023)
27. L. Zwick, D. Soyuer, J. Bucko, *Prospects for a local detection of dark matter with future missions to Uranus and Neptune*, Astron. Astrophys. 664, A188-1-10 (2022)
28. S. Kalita, P. Bhattacharjee, *Constraining spacetime metrics within and outside general relativity through the Galactic Center black hole (SgrA*) shadow*, Eur. Phys. J. C 83, 120-1-11 (2023)
29. D. Benisty, J. Mifsud, J. Levi Said, D. Staicova, *Strengthening extended Gravity constraints with combined systems: $f(R)$ bounds from Cosmology and the Galactic Center*, Phys. Dark Universe 42, 101344-1-7 (2023)
30. A. F. Zakharov, *Trajectories of Bright Stars and Shadows around Supermassive Black Holes as Tests of Gravity Theories*, Phys. Part. Nuclei 54, 889-895 (2023)
31. P. Bambhaniya, A. B. Joshi, D. Dey, P. S. Joshi, A. Mazumdar, T. Harada, K.-i. Nakao, *Relativistic orbits of S2 star in the presence of scalar field*, Eur. Phys. J. C 84, 124-1-7 (2024)
32. V. Vertogradov, A. Ovgun, *Exact regular black hole solutions with de Sitter cores and Hagedorn fluid*, Classical and Quantum Gravity 42, 025024 (2025)

V. Borka Jovanović, P. Jovanović, D. Borka, S. Capozziello, *Tests of gravity at galactic and extragalactic scales: theory vs observations*, Publ. Astron. Obs. Belgrade 98, 11-20 (2018)

цитура се у:

1. N. Todorović, I. Milić Žitnik, *The Astronomical Observatory in Belgrade - then and now*, Romanian Astron. J. 29, 167-176 (2019)

S. Capozziello, D. Borka, V. Borka Jovanović, P. Jovanović, *Galactic structures from gravitational radii*, Galaxies 6, 22-1-8 (2018)

цитура се у:

1. V. P. Sharma, B. K. Yadav, M. M. Verma, *Light deflection angle through velocity profile of galaxies in $f(R)$ model*, Eur. Phys. J. C 81, 109 (2021)

Радови 2019.

K. F. Dialektopoulos, D. Borka, S. Capozziello, V. Borka Jovanović, P. Jovanović, *Constraining nonlocal gravity by S2 star orbits*, Phys. Rev. D 99, 044053-1-10 (2019)

цитура се у:

1. A. Amorim et al. (The GRAVITY Collaboration), *Scalar field effects on the orbit of S2 star*, Mon. Not. R. Astron. Soc. 489, 4606-4621 (2019)
2. S. Nojiri, S. D. Odintsov, V. K. Oikonomou, *Ghost-free non-local F(R) Gravity Cosmology*, Phys. Dark Universe 28, 100541 (2020)
3. M. Migliozzi, Master Thesis "*Non-local Gravity and Cosmology from Noether Symmetries*", University of Bologna, Italy, 2019
5. S. Komarov, A. Gorbatsievich, *Reconstruction of relative motion of a binary star in the vicinity of black hole by its redshift*, Int. J. Mod. Phys. A 35, 2040052 (2020)
6. D. Dey, R. Shaikh, P. S. Joshi, *Perihelion precession and shadows near blackholes and naked singularities*, Phys. Rev. D 102, 044042-1-9 (2020)
7. R. I. Gainutdinov, *PPN motion of the S-stars around Sgr A**, Astrophysics 63, 470-481 (2020)
8. S. Capozziello, M. Capriolo, S. Nojiri, *Considerations on gravitational waves in higher-order local and non-local gravity*, Phys. Lett. B 810, 135821 (2020)
9. S. Capozziello, M. Faizal, M. Hameeda, B. Pourhassan, V. Salzano, *Logarithmic corrections to Newtonian gravity and large scale structure*, Eur. Phys. J. C 81, 352-1-19 (2021)
10. M. Hameeda, B. Pourhassan, M. C. Rocca, A. B. Brzo, *Two approaches that prove divergence free nature of non-local gravity*, Eur. Phys. J. C 81, 146 (2021)
11. D. Benisty, A.-C. Davis, *Dark energy interactions near the Galactic Center*, Phys. Rev. D 105, 024052-1-9 (2022)
12. S. Capozziello, M. Capriolo, *Gravitational waves in non-local gravity*, Class. Quantum Grav. 38, 175008 (2021)
13. I. Dimitrijević, B. Dragovich, Z. Rakić, J. Stanković, *New cosmological solutions of a nonlocal gravity model*, Symmetry 14, 3-1-16 (2022)
14. F. Bajardi, S. Capozziello, *Non-locality in Theories of Gravity*, Acta Phys. Pol. B Proc. Suppl. 15, 1-A3-1-7 (2022)
15. A. Acunzo, F. Bajardi, S. Capozziello, *Non-local curvature gravity cosmology via Noether symmetries*, Phys. Lett. B 826, 136907-1-11 (2022)
16. S. Capozziello, F. Bajardi, *Nonlocal gravity cosmology: An overview*, Int. J. Mod. Phys. D 31, 2230009 (2022)
17. A. Addazi, J. Alvarez-Muniz, B. Alves Batista, ... , S. Capozziello, ..., *Quantum gravity phenomenology at the dawn of the multi-messenger era – A review*, Prog. Part. Nucl. Phys. 125, 103948 (2022)
18. F. Bouche, S. Capozziello, V. Salzano, K. Umetsu, *Testing non-local gravity by clusters of galaxies*, Eur. Phys. J. C 82, 652-1-19 (2022)
19. D. Benisty, *Testing modified gravity via Yukawa potential in two body problem: Analytical solution and observational constraints*, Phys. Rev. D 106, 043001-1-6 (2022)
20. H. A. Bagat, M. Hameeda, P. A. Ganai, *Study of galaxy clustering (thermodynamics) through different approaches using modified Yukawa potential*, Mod. Phys. Lett. A 37, 2250185 (2022)
21. S. Capozziello, N. Godani, *Non-local gravity wormholes*, Phys. Lett. B 835, 137572-1-9 (2022)
22. F. Bouche, S. Capozziello, V. Salzano, *Addressing Cosmological Tensions by Non-Local Gravity*, Universe 9, 27-1-20 (2023)
23. F. Bajardi, S. Capozziello, *Noether Symmetries in Theories of Gravity: With Applications*

to *Astrophysics and Cosmology*, Cambridge Monographs on Mathematical Physics, Cambridge University Press, ISBN 978-1-009-20874-1, DOI:10.1017/9781009208727 (2022)

24. D. Benisty, J. Mifsud, J. Levi Said, D. Staicova, *Strengthening extended Gravity constraints with combined systems: $f(R)$ bounds from Cosmology and the Galactic Center*, Phys. Dark Universe 42, 101344-1-7 (2023)

25. S. Capozziello, R. D'Agostino, *Reconstructing the distortion function of non-local cosmology: a model-independent approach*, Phys. Dark Universe 42, 101346-1-8 (2023)

26. D. Benisty, J. Wagner, D. Staicova, *Dark Energy as a Critical Period in Binary Motion: Bounds from Multi-scale Binaries*, arXiv:2310.11488 (2023)

27. F. Bouche, S. Capozziello, C. De Simone, V. Salzano, *Testing non-local gravity through Ultra-Diffuse Galaxies kinematics*, Phys. Dark Universe 46, 101579-1-14 (2024)

V. Borka Jovanović, P. Jovanović, D. Borka D, S. Capozziello, S. Gravina, A. D'Addio, *Constraining Scalar-Tensor gravity models by $S2$ star orbits around the Galactic Center*, Facta Universitatis: Series Phys. Chem. Tech. 17, 11-20 (2019)

цитира се у:

1. A. Amorim et al. (The GRAVITY Collaboration), *Scalar field effects on the orbit of $S2$ star*, Mon. Not. R. Astron. Soc. 489, 4606-4621 (2019)

2. F. Bajardi, S. Capozziello, *Noether Symmetries in Theories of Gravity: With Applications to Astrophysics and Cosmology*, Cambridge Monographs on Mathematical Physics, Cambridge University Press, ISBN 978-1-009-20874-1, DOI:10.1017/9781009208727 (2022)

3. S. Capozziello, F. Bajardi, *Nonlocal gravity cosmology: An overview*, Int. J. Mod. Phys. D 31, 2230009 (2022)

4. D. Benisty, J. Mifsud, J. Levi Said, D. Staicova, *Strengthening extended Gravity constraints with combined systems: $f(R)$ bounds from Cosmology and the Galactic Center*, Phys. Dark Universe 42, 101344-1-7 (2023)

5. D. Benisty, J. Wagner, D. Staicova, *Dark Energy as a Critical Period in Binary Motion: Bounds from Multi-scale Binaries*, arXiv:2310.11488 (2023)

V. Borka Jovanović, P. Jovanović, D. Borka, S. Capozziello, *Fundamental plane of elliptical galaxies in $f(R)$ gravity: the role of luminosity*, Atoms 7, 4-1-9 (2019)

цитира се у:

1. F. Bajardi, D. Vernieri, S. Capozziello, *Bouncing cosmology in $f(Q)$ symmetric teleparallel gravity*, Eur. Phys. J. Plus 135, 912 (2020)

D. Borka, V. Borka Jovanović, *Channeling of protons through radial deformed double wall carbon nanotubes*, Atoms 7, 88-1-14 (2019)

цитира се у:

1. G. V. Dedkov, *Van der Waals Interactions of Moving Particles with Surfaces of Cylindrical Geometry*, Universe 7, 106-1-20 (2021)

2. D. P. Nikezić, D. S. Radivojević, N. S. Mirkov, I. M. Lazović, T. A. Miljočić, *Symmetric U-Net Model Tuned by FOX Metaheuristic Algorithm for Global Prediction of High Aerosol Concentrations*, Symmetry 16, 525-1-9 (2024)

Радови 2020.

S. Capozziello, V. Borka Jovanović, D. Borka, P. Jovanović, *Constraining theories of gravity by fundamental plane of elliptical galaxies*, Phys. Dark Universe 29, 100573-1-9 (2020)

цитира се у:

1. L. Buoninfante, B. L. Giacchini, *Light bending by a slowly rotating source in quadratic theories of gravity*, Phys. Rev. D 102, 024020 (2020)
2. S. Capozziello, C. A. Mantica, L. G. Molinari, *General properties of $f(R)$ gravity vacuum solutions*, Int. J. Mod. Phys. D 29, 2050089 (2020)
3. F. Bajardi, S. Capozziello, *$f(G)$ Noether cosmology*, Eur. Phys. J. C 80, 704 (2020)
4. V. De Falco, E. Battista, S. Capozziello, M. De Laurentis, *Reconstructing wormhole solutions in curvature based Extended Theories of Gravity*, Eur. Phys. J. C 81, 157 (2021)
5. E. Barrientos, T. Bernal, S. Mendoza, *Non-vacuum relativistic extensions of MOND using metric theories of gravity with curvature-matter couplings and their applications to the accelerated expansion of the universe without dark components*, Int. J. Geom. Methods Mod. Phys. 18, 2150086 (2021)
6. M. Faizal, H. Patel, *Probing short distance gravity using temporal lensing*, Int. J. Mod. Phys. A 36, 2150115 (2021)
7. R. Garattini, *Yukawa-Casimir wormholes*, Eur. Phys. J. C 81, 824-1-14 (2021)
8. B. Pourhassan, A. Bhat, H. Patel, M. Faizal, N. Mantella, *Proposed experimental test of Randall-Sundrum models*, Int. J. Mod. Phys. D 31, 2150122 (2022)
9. A. Jawad, M. B. A. Sulehri, S. Rani, *Physical analysis of Yukawa-Casimir traversable wormhole solutions in non-minimally coupled $f(T)$ gravity*, Eur. Phys. J. Plus 137, 1274 (2022)
10. D. Benisty, S. Capozziello, *Tracking the Local Group dynamics by extended gravity*, Phys. Dark Universe 39, 101175-1-7 (2023)
11. D. Benisty, J. Mifsud, J. Levi Said, D. Staicova, *Strengthening extended Gravity constraints with combined systems: $f(R)$ bounds from Cosmology and the Galactic Center*, Phys. Dark Universe 42, 101344-1-7 (2023)
12. K. Jusufi, E. Gonzalez, G. Leon, *Addressing the Hubble tension in Yukawa cosmology?*, Phys. Dark Universe 46, 101584-1-15 (2024)
13. F. Bouche, S. Capozziello, C. De Simone, V. Salzano, *Testing non-local gravity through Ultra-Diffuse Galaxies kinematics*, Phys. Dark Universe 46, 101579-1-14 (2024)

P. Jovanović, V. Borka Jovanović, D. Borka, L. Č. Popović, *Possible observational signatures of supermassive black hole binaries in their Fe K α line profiles*, Contrib. Astron. Obs. Skalnate Pleso 50, 219-234 (2020)

цитира се у:

1. P. Gandhi, T. Kawamuro, M. Diaz Trigo, J. A. Paice, P. G. Boorman, M. Cappi, C. Done, A. C. Fabian, K. Fukumura, J. A. Garcia, C. L. Greenwell, M. Guainazzi, K. Makishima, M. S. Tashiro, R. Tomaru, F. Tombesi, Y. Ueda, *Frontiers in accretion physics at high X-ray spectral resolution*, Nature Astronomy 6, 1364-1375 (2022)

Радови 2021.

D. Borka, V. Borka Jovanović, *Guiding of protons through radially deformed triple-wall carbon nanotubes*, Eur. Phys. J. D 75, 50-1-9 (2021)

цитура се у:

1. S. I. Matyukhin, S. Yu. Grishina, *Best conditions for an ionic implantation of particles into carbon nanotubes with usage the channeling effect*, IEEE 4th International Conference on Nanoscience and Technology (ICNST), p. 9-13 (2021)

V. Borka Jovanović, D. Borka, P. Jovanović, S. Capozziello, *Possible effects of hybrid gravity on stellar kinematics in elliptical galaxies*, Eur. Phys. J. D 75, 149-1-6 (2021)

цитура се у:

1. S. Ganesh, *Many body gravity and the bullet cluster*, Astropart. Phys. 167, 103080-1-9 (2025)

D. Borka, V. Borka Jovanović, S. Capozziello, A. F. Zakharov, P. Jovanović, *Estimating the Parameters of Extended Gravity Theories with the Schwarzschild Precession of S2 Star*, Universe 7, 407-1-18 (2021)

цитура се у:

1. A. F. Zakharov, *Constraints on a Tidal Charge of the Supermassive Black Hole in M87* with the EHT Observations in April 2017*, Universe 8, 141-1-10 (2022)
2. S. Alexeyev, V. Prokopov, *Extended Gravity Constraints at Different Scales*, Universe 8, 283-1-18 (2022)
3. F. Bouche, S. Capozziello, V. Salzano, K. Umetsu, *Testing non-local gravity by clusters of galaxies*, Eur. Phys. J. C 82, 652-1-19 (2022)
4. A. F. Zakharov, *Orbits of Bright Stars Near the Galactic Center as a Tool to Test Gravity Theories*, Moscow University Physics Bulletin 77, Issue 2, 341-348 (2022)
5. P. C. Lalremruati, S. Kalita, *Effect of Dark Matter Distribution on Scalaron Gravity near the Galactic Center Black Hole and Its Prospects*, Astrophys. J. 941, 183 (2022)
6. D. Paul, S. Kalita, A. Talukdar, *Unscreening of $f(R)$ gravity near the galactic center black hole: Testability through pericenter shift below S0-2's orbit*, Int. J. Mod. Phys. D 2350021 (2023)
7. D. Benisty, J. Mifsud, J. Levi Said, D. Staicova, *Strengthening extended Gravity constraints with combined systems: $f(R)$ bounds from Cosmology and the Galactic Center*, Phys. Dark Universe 42, 101344-1-7 (2023)
8. N. Galikyan, Sh. Khlghatyan, A. A. Kocharyan, V. G. Gurzadyan, *Neural network analysis of S-star dynamics: implications for modified gravity*, Eur. Phys. J. Plus 138, 883 (2023)
9. A. F. Zakharov, *Trajectories of Bright Stars and Shadows around Supermassive Black Holes as Tests of Gravity Theories*, Phys. Part. Nuclei 54, 889-895 (2023)
10. D. Benisty, J. Wagner, D. Staicova, *Dark Energy as a Critical Period in Binary Motion: Bounds from Multi-scale Binaries*, arXiv:2310.11488 (2023)
11. N. Galikyan, Sh. Khlghatyan, A. A. Kocharyan, V. G. Gurzadyan, *Neural network analysis of S2-star dynamics: extended mass*, Eur. Phys. J. Plus 139, 246-1-6 (2024)
12. N. Galikyan, Sh. Khlghatyan, A. A. Kocharyan, V. G. Gurzadyan, *S2-star dynamics probing the galaxy core cluster*, Eur. Phys. J. Plus 139, 821-1-6 (2024)
13. F. Bouche, S. Capozziello, C. De Simone, V. Salzano, *Testing non-local gravity through Ultra-Diffuse Galaxies kinematics*, Phys. Dark Universe 46, 101579-1-14 (2024)

D. Borka, V. Borka Jovanović, V. N. Nikolić, N. Đ. Lazarov, P. Jovanović, *Estimating the Parameters of the Hybrid Palatini Gravity Model with the Schwarzschild Precession of S2, S38 and S55 Stars: Case of Bulk Mass Distribution*, Universe 8, 70-1-20 (2022)

цитура се у:

1. P. Stavrinou, E. Saridakis, Editorial of "*Modified Theories of Gravity and Cosmological Applications*", Universe 8, 415-1-4 (2022)
2. B. Yang, Y. Xie, W. Lin, *Probing the regular spacetime with an asymptotically Minkowski core by precessing motion*, Phys. Dark Universe 47, 101770-1-7 (2025)

P. Jovanović, D. Borka, V. Borka Jovanović, A. F. Zakharov, *Influence of bulk mass distribution on orbital precession of S2 star in Yukawa gravity*, Eur. Phys. J. D 75, 145-1-7 (2021)

цитура се у:

1. Y. Dong, L. Shao, Z. Hu, X. Miao, Z. Wang, *Prospects for Constraining the Yukawa Gravity with Pulsars around Sagittarius A**, arXiv:2210.16130 [astro-ph.HE] (2022)
2. A. F. Zakharov, *Orbits of Bright Stars Near the Galactic Center as a Tool to Test Gravity Theories*, Moscow University Physics Bulletin 77, Issue 2, 341-348 (2022)
3. P. C. Lalremruati, S. Kalita, *Effect of Dark Matter Distribution on Scalaron Gravity near the Galactic Center Black Hole and Its Prospects*, Astrophys. J. 941, 183 (2022)
4. M. H. Chan, C. M. Lee, C. W. Yu, *Investigating the nature of mass distribution surrounding the Galactic supermassive black hole*, Scientific Reports 12, 15258-1-7 (2022)
5. M. H. Chan, C. M. Lee, *Crossing the dark matter soliton core: A possible reversed orbital precession*, Phys. Rev. D 106, 123018 (2022)

Радови 2023.

D. Borka, V. Borka Jovanović, S. Capozziello, P. Jovanović, *Velocity distribution of elliptical galaxies in the framework of Non-local Gravity model*, Adv. Space Res. 71, 1235-1244 (2023)

цитура се у:

1. F. Bouche, S. Capozziello, V. Salzano, *Addressing Cosmological Tensions by Non-Local Gravity*, Universe 9, 27-1-20 (2023)
2. S. Capozziello, R. D'Agostino, *Reconstructing the distortion function of non-local cosmology: a model-independent approach*, Phys. Dark Universe 42, 101346-1-8 (2023)
3. F. Bouche, S. Capozziello, C. De Simone, V. Salzano, *Testing non-local gravity through Ultra-Diffuse Galaxies kinematics*, Phys. Dark Universe 46, 101579-1-14 (2024)
4. S. Ganesh, *Many body gravity and the bullet cluster*, Astropart. Phys. 167, 103080-1-9 (2025)

P. Jovanović, V. Borka Jovanović, D. Borka, A. F. Zakharov, *Constraints on Yukawa gravity parameters from observations of bright stars*, J. Cosmol. Astropart. P. 2023, No. 03, 056-1-26 (2023)

цитура се у:

1. N. Galikyan, Sh. Khlghatyan, A. A. Kocharyan, V. G. Gurzadyan, *Neural network analysis of S-star dynamics: implications for modified gravity*, Eur. Phys. J. Plus 138, 883 (2023)
2. A. F. Zakharov, *The Galactic Center and M87*: Observations and Interpretations*, Phys. Part. Nuclei 20, 538-543 (2023)
3. A. F. Zakharov, *Trajectories of Bright Stars and Shadows around Supermassive Black Holes as Tests of Gravity Theories*, Phys. Part. Nuclei 54, 889-895 (2023)

4. A. F. Zakharov, *Shadows near supermassive black holes: From a theoretical concept to GR test*, Int. J. Mod. Phys. D (2023) DOI:10.1142/S0218271823400047
5. A. Jiachen, X. Yadong, C. Zhoujian, H. Xiaokai, S. Bing, *The effect of the gravitational constant variation on the propagation of gravitational waves*, Phys. Lett. B 844, 138108-1-5 (2023)
6. A. F. Zakharov, *Astrophysical Tests of General Relativity*, Phys. Part. Nuclei 55, 1413-1419 (2024)
7. A. F. Zakharov, *Neutron Stars and Black Holes as Natural Laboratories of Fundamental Physics*, Phys. Part. Nuclei 55, 716-724 (2024)
8. P. Bambhaniya, A. B. Joshi, D. Dey, P. S. Joshi, A. Mazumdar, T. Harada, K.-i. Nakao, *Relativistic orbits of S2 star in the presence of scalar field*, Eur. Phys. J. C 84, 124-1-7 (2024)
9. N. Galikyan, Sh. Khlghatyan, A. A. Kocharyan, V. G. Gurzadyan, *S2-star dynamics probing the galaxy core cluster*, Eur. Phys. J. Plus 139, 821-1-6 (2024)

Радови 2024.

P. Jovanović, V. Borka Jovanović, D. Borka, A. F. Zakharov, *Improvement of graviton mass constraints using GRAVITY's detection of Schwarzschild precession in the orbit of S2 star around the Galactic Center*, Phys. Rev. D 109, 064046-1-16 (2024)

цитира се у:

1. A. F. Zakharov, *Trajectories of Bright Stars and Shadows around Supermassive Black Holes as Tests of Gravity Theories*, Phys. Part. Nuclei 54, 889-895 (2023)
2. A. F. Zakharov, *Shadows near supermassive black holes: From a theoretical concept to GR test*, Int. J. Mod. Phys. D (2023) DOI:10.1142/S0218271823400047
3. K. Abd El Dayem (The GRAVITY Collaboration), *Improving constraints on the extended mass distribution in the Galactic center with stellar orbits*, Astron. Astrophys. 692, A242-1-12 (2024)
4. R. Genzel, F. Eisenhauer, S. Gillessen, *Experimental studies of black holes: status and future prospects*, Astron. Astrophys. Rev. 32, 3-1-37 (2024)
5. A. F. Zakharov, *Astrophysical Tests of General Relativity*, Phys. Part. Nuclei 55, 1413-1419 (2024)
6. A. F. Zakharov, *Neutron Stars and Black Holes as Natural Laboratories of Fundamental Physics*, Phys. Part. Nuclei 55, 716-724 (2024)
7. P. Bambhaniya, A. B. Joshi, D. Dey, P. S. Joshi, A. Mazumdar, T. Harada, K.-i. Nakao, *Relativistic orbits of S2 star in the presence of scalar field*, Eur. Phys. J. C 84, 124-1-7 (2024)

P. Jovanović, V. Borka Jovanović, D. Borka, A. F. Zakharov, *Constraints on Graviton Mass from Schwarzschild Precession in the Orbits of S-Stars around the Galactic Center*, Symmetry 16, 397-1-16 (2024)

цитира се у:

1. K. Abd El Dayem (The GRAVITY Collaboration), *Improving constraints on the extended mass distribution in the Galactic center with stellar orbits*, Astron. Astrophys., 692, A242-1-12 (2024)
2. A. F. Zakharov, *Astrophysical Tests of General Relativity*, Phys. Part. Nuclei 55, 1413-1419 (2024)
3. A. F. Zakharov, *Neutron Stars and Black Holes as Natural Laboratories of Fundamental Physics*, Phys. Part. Nuclei 55, 716-724 (2024)

