
Списък с публикации на д-р Галин Гюлчев,
представени за участие в конкурса за доцент

А) Публикации в международни списания с импакт фактор

1. G. Gylchev, P. Nedkova, T. Vetsov and S. Yazadjiev, „Image of the Janis-Newman-Winicour naked singularity with a thin accretion disk“, Phys. Rev. D 100, 024055 (2019).
2. Kimet Jusufi, Ayan Banerjee, Galin Gylchev, Muhammed Amir, “Distinguishing rotating naked singularities from Kerr-like wormholes by their deflection angles of massive particles”, Eur. Phys. J. C 79:28 (2019).
3. A. Övgün, G. Gylchev, K. Jusufi, „Weak Gravitational lensing by phantom black holes and phantom wormholes using the Gauss–Bonnet theorem“, Annals of Physics 406, 152-172 (2019).
4. Galin Gylchev, Petya Nedkova, Vassil Tinchev, Stoytcho Yazadjiev, „On the shadow of rotating traversable wormholes“, Eur. Phys. J. C 78: 544 (2018).
5. Ivan Zh. Stefanov, Galin G. Gylchev, Stoytcho S. Yazadjiev, „Quasiperiodic oscillations and Tomimatsu-Sato $\delta = 2$ space-time“, Phys. Rev. D 87 (8), 083005 (2013).
6. Galin N. Gylchev, Ivan Zh. Stefanov, „Gravitational lensing by phantom black holes“, Phys. Rev. D 87 (6), 063005 (2013).
7. Ivan Zh. Stefanov, Stoytcho S. Yazadjiev, and Galin G. Gylchev, „Connection between Black-Hole Quasinormal Modes and Lensing in the Strong Deflection Limit“, Phys. Rev. Lett. 104, 251103, (2010).
8. Galin N. Gylchev, Stoytcho S. Yazadjiev, „Analytical Kerr-Sen dilaton-axion black hole lensing in the weak deflection limit“, Phys. Rev. D 81, 023005 (2010).
9. Galin N. Gylchev, Stoytcho S. Yazadjiev, „Gravitational lensing by rotating naked singularities“, Phys. Rev. D 78, 083004 (2008).
10. Galin N. Gylchev, Stoytcho S. Yazadjiev, „Kerr-Sen dilaton-axion black hole lensing in the strong deflection limit“, Phys. Rev. D 75, 023006, (2007).

Водещ (кореспондиращ) автор в А.1, А.3, А.4, А.6, А.7, А.9, А10.

Б) Публикации в реферирани и индексирани сборници от доклади от конференции

1. G. Gylchev, P. Nedkova, V. Tinchev and Y. Stoytcho, „Cusp structure in shadows casted by rotating wormholes“, Proceedings of the 10th Jubilee Conference of the Balkan Physical Union, AIP Conf. Proc. 2075 (2019) no.1, 040005, doi:10.1063/1.5091165.

2. G. Gyulchev and I. Z. Stefanov, „Strong Gravitational Lensing by Phantom Black Holes”, Proceedings of the 13th Marcel Grossmann Meeting on General Relativity, pp. 2091-2093 (2013), World Scientific, Singapore.
3. V. Kalinova and G. Gyulchev, „Gravitational Abberation of a Cluster of Galaxies: Dark Matter”, Proceedings of the 3rd School and Workshop on Space Plasma Physics, AIP Conf. Proc. 1356 (2011) no.1, pp. 60-66, doi:10.1063/1.3598093.
4. G. Gyulchev and S. Yazadjiev, „Gravitational lensing by Kerr-Sen dilaton-axion black hole in the weak deflection limit”, Proceedings of the 2nd Conference of the Euro-American Consortium for Promoting the Application of Mathematics in Technical and Natural Sciences (AMiTaNS 10), AIP Conf. Proc. 1301 (2010) no.1, pp. 327-335.
5. I. Stefanov, S. Yazadjiev and G. Gyulchev, „Relation between the Parameters of a Gravitational Lens and the Frequencies of Black-hole Quasi-normal Modes”, Proceedings of the 2nd Conference of the Euro-American Consortium for Promoting the Application of Mathematics in Technical and Natural Sciences (AMiTaNS 10), AIP Conf. Proc. 1301 (2010) no.1, p. 355.
6. G. Gyulchev and S. Yazadjiev, „Gravitational lensing by rotating naked singularities in the equatorial plane”, Proceedings of the 33rd International Conference on Applications of Mathematics in Engineering and Economics (AMEE'07), AIP Conf. Proc. 946 (2007) no.1, pp. 106-118.
7. G.N. Gyulchev and S.S. Yazadjiev, „Strong gravitational lensing by Kerr-Sen dilaton-axion black hole”, Proceedings of the Sixth International Conference of the Balkan Physical Union, Istanbul, Turkey, August 22-26, 2006, AIP Conf. Proc. 899 (2007) no.1, pp. 145-146.
8. G.N. Gyulchev and S.S. Yazadjiev, „Garfinkle-Horovitz-Strominger dilaton black hole gravitational lensing in the strong deflection limit”, Modern mathematical physics. Proceedings, 4th Summer School, Dedicated to Irina Ya. Arefeva's Jubilee, Belgrade, Serbia, September 3-14, 2006, SFIN A 1, pp. 229-238.

Водещ (кореспондиращ) автор в Б.1, Б.2, Б.3, Б.4, Б.6, Б.7, Б.8.

В) Монографии и учебници

1. Галин Гюлчев, Стойчо Язаджиев, „Гравитационни лещи“, УИ „Св. Климент Охридски“, 2017 г., 340 стр., (<https://unipress.bg/gravitatsionni-leshti>).

Международни сътрудничества

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Линк: [INSPIRE High Energy Physics Database](#)

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