

Списък с всички публикации на главен асистент др. Цветан Иванов Вецов

Публикации в **Q1**: 3, 8, 12, 13, 20, 21, 22, 24, 25, 28, 29, 35, 36.

Публикации в **Q2**: 1

Публикации в **Q3**: 9, 14, 16.

Публикации в **Q4**: 7, 27, 31, 32.

Публикации с **SJR**: 18, 19, 26.

2011

[1] D. Arnaudov, R. C. Rashkov, and T. Vetsov, Three- and four-point correlators of operators dual to folded string solutions in $AdS_5 \times S^5$, *Int. J. Mod. Phys. A* 26, 340 (2011), Quartile: **Q2**-2011.

[2] D. Arnaudov, R. C. Rashkov and T. Vetsov, Three-point correlators of operators dual to folded string solutions in $AdS_5 \times S^5$, *Bulg. J. Phys.* 38, 329 (2011).

2015

[3] D. Arnaudov, R. C. Rashkov and T. Vetsov, On the algebraic curves for circular and folded strings in $AdS_5 \times S^5$, *Fortschr. Phys.* 63, No. 9–10, 633–643 (2015), Quartile: **Q1**-2015.

[4] R. C. Rashkov, T. Vetsov, "Holographic mesons in global Pilch-Warner background geometry [arXiv:1502.04493v1 [hep-th]].

[5] R. C. Rashkov, T. Vetsov, Holographic mesons in global Pilch-Warner geometry, Plovdiv University "Paisii Hilendarski" – Bulgaria Scientific Papers, vol 39, Book 4, 2015 – Physics.

[6] R. C. Rashkov, T. Vetsov, Scalar D-brane Fluctuations and Holographic Mesons in Pilch-Warner Background, *Bulg. J. Phys.* 42 (2015) 288–295.

[7] V. Filev, R. C. Rashkov, T. Vetsov, "Holographic mesons in Pilch-Warner geometry", Bulgarian Chemical Communications, Volume 47, Special Issue B, September, 2015, Quartile: **Q4**-2015.

2016

[8] H. Dimov, S. Mladenov, R. C. Rashkov, and T. Vetsov, Non-abelian T-duality of Pilch-Warner background, *Fortschr. Phys.* 64, 657-673 (2016), Quartile: **Q1**-2016.

[9] Naoum Karchev, Tsvetan Vetsov, Numerical solution of Maxwell equations for s-wave superconductors, (2016), *Condens. Matter* 2017, 2, 31, Quartile: **Q3**-2020.

[10] Hristo Dimov, Stefan Mladenov, Radoslav C. Rashkov, Tsvetan Vetsov, Non-Abelian T-Duality from Penrose Limit of the Pilch-Warner Solution, *Bulg. J. Phys.* 43 (2016) 258–272.

[11] Hristo Dimov, Stefan Mladenov, Radoslav C. Rashkov, Tsvetan Vetsov, Thermo-Field Dynamics of Higher-Derivative Oscillators, *Bulg. J. Phys.* 44 (2016) 9–14.

2017

[12] Hristo Dimov, Stefan Mladenov, Radoslav C. Rashkov, Tsvetan Vetsov, Entanglement of higher-derivative oscillators in holographic systems, *Nucl. Phys. B* 918 (2017) 317-336, **Q1**-2017.

[13] H. Dimov, S. Mladenov, R. C. Rashkov, and T. Vetsov, Entanglement entropy and Fisher information metric for closed bosonic strings in homogeneous plane wave background, doi:10.1103/PhysRevD.96.126004, *Phys. Rev. D* 96, 126004, (2017), Quartile: **Q1**-2017.

2018

[14] Tsvetan Vetsov, Radoslav Rashkov, Fisher metric for diagonalizable quadratic Hamiltonians and application to phase transitions, *Proceedings of the Nineteenth International Conference on Geometry, Integrability and Quantization*, editors: Ivailo M. Mladenov and Akira Yoshioka, Publisher: Sofia: Avangard Prima, 2018, pages:225-233, doi:doi:10.7546/giq-19-2018-225-233, Ref. SCOPUS, SJR (0.244 - 2019), Quartile: **Q3**-2019.

[15] Tsvetan Vetsov, Galin Gylulchev, and Stoytcho Yazadjiev, Shadows of Black Holes in Vector-Tensor Galileons Modified Gravity, arXiv:1801.04592v2 [gr-qc]. (2018).

[16] Naoum Karchev, Tsvetan Vetsov, Numerical Solution of Maxwell Equations for S-Wave Superconductors, *Condens. Matter*, vol: 2, issue: 31, 2017, doi.org/10.3390/condmat2030031, Quartile: **Q3**-2020.

[17] Kalin Kolev, Tsvetan Vetsov, Podolsky Generalized Electrodynamics. Lower Bounds on the Mass of the Dark Photon, *Journal of Physics and Technology*, Volume 2 (2018), Number 1, pp. 13-18.

[18] H. Dimov, S. Mladenov, R. Rashkov, T. Vetsov, Information Geometry of Strings on Plane Wave Background, *Quantum Theory and Symmetries with Lie Theory and Its Applications in Physics Volume 2*, Springer Proceedings in Mathematics & Statistics, vol: 255, 2018, IF (0.29 - 2018), **SJR** (0.226 - 2018).

[19] H. Dimov,, S. Mladenov, R. Rashkov, T. Vetsov, Higher-Derivative Oscillators in AdS₅× S⁵ T-Dual Penrose Limits, *Quantum Theory and Symmetries with Lie Theory and Its Applications in Physics Volume 1*, Springer Proceedings in Mathematics & Statistics, vol: 263, 2018, IF (0.29 - 2018), **SJR** (0.226 - 2018).

2019

[20] Tsvetan Vetsov, Information Geometry on the Space of Equilibrium States of Black Holes in Higher Derivative Theories, *Eur. Phys. J. C*, vol: 79, issue: 71, 2019, IF (4.389 - 2019), **SJR** (1.76 - 2019), Quartile: **Q1**-2019.

[21] H. Dimov, R. C. Rashkov, T. Vetsov, Thermodynamic Information Geometry and Complexity Growth of Warped AdS Black Hole and the WAdS₃/CFT₂ Correspondence, *Phys. Rev. D*, vol: 99, issue: 12, 2019, IF (4.368 - 2019), **SJR** (1.703 - 2019), Quartile: **Q1**-2019.

[22] K. Kolev, K. Staykov, T. Vetsov, Thermodynamic Stability of the Stationary Lifshitz Black Hole of New Massive Gravity, *Eur. Phys. J. C*, vol: 79, issue:1009, 2019, IF (4.843 - 2019), **SJR** (1.972 - 2019), Quartile: **Q1**-2019.

[23] Hristo Dimov, Radoslav Rashkov, Miroslav Radomirov, Tsvetan Vetsov, Some Classical Solutions of the Pulsating String in Schrodinger Spacetime, *Journal of Physics and Technology*, vol: 3, issue: 1, 2019, ISSN (print): 2535-0536, ISSN (online): 2535-0536.

[24] H. Dimov, M. Radomirov, R. C. Rashkov, T. Vetsov, On pulsating strings in Schrodinger backgrounds, *JHEP*, vol: 10, issue: 094, 2019, doi.org/10.1007/JHEP10(2019)094, IF (5.833 - 2018), **SJR** (1.016 - 2018), Quartile: **Q1**-2019.

[25] Galin Gylchev, Petya Nedkova, Tsvetan Vetsov, Stoytcho Yazadjiev, Image of the Janis-Newman-Winicour naked singularity with a thin accretion disk, *Phys. Rev. D*, issue: 100, 2019, pages: 1-13, doi.org/10.1103/PhysRevD.100.024055, IF (4.368 - 2019), **SJR** (1.703 - 2019), Quartile: **Q1**-2019.

2020

[26] H. Dimov, R. C. Rashkov, T. Vetsov, Thermodynamic Information Geometry and Applications in Holography, *Springer Proceedings in Mathematics & Statistics*, issue: 335, 2020, doi.org/10.1007/978-981-15-7775-8_19, (0.36 - 2019), **SJR** (0.206 - 2019).

[27] N. Karchev, T. Vetsov, The impact of the electric field on superconductivity in the time-dependent Ginzburg-Landau theory, *Int. J. Mod. Phys. B*, vol: 33, issue: 32, 2020, IF (0.863 - 2020), **SJR** (0.239 - 2020), Quartile: **Q4**-2020.

[28] Galin Gylchev, Jutta Kunz, Petya Nedkova, Tsvetan Vetsov, Stoytcho Yazadjiev, Observational signatures of strongly naked singularities: image of the thin accretion disk, *The European Physical Journal C*, issue:80, 2020, doi.org/10.1140/epjc/s10052-020-08575-7, Ref, Web of Science, IF (4.843 - 2018), **SJR** (1.76 - 2019), Quartile: **Q1**-2020.

[29] A. Golubtsova, H. Dimov, I. Iliev, M. Radomirov, R. C. Rashkov, T. Vetsov, More on Schrodinger holography, *Journal of High Energy Physics*, vol: 8, issue: 090, 2020, doi.org/10.1007/JHEP08(2020)090, IF (5.875 - 2019), **SJR** (1.016 - 2019), Quartile: **Q1**-2020.

[30] Tsvetan Vetsov, *Spacetime 1909-2019. Chapter 3: Thermodynamic manifolds and stability of black holes in various dimension*, ISBN: 978-1-927763-54-4, Minkowski Institute Press, Montreal 2020, www.minkowskiinstitute.org/mip/books/2019conf.html

[31] Dimov H., Rashkov R. C., Vetsov T., Remarks on fields with a holographic dual, *Annals of the University of Craiova, Physics Volume 30*, Pages 35 – 51, 2020, Quartile: **Q4**-2020.

[32] Dimov H., Radomirov M., Rashkov R. C., Vetsov T., Holographic fisher information metric for models with non-relativistic symmetry, Annals of the University of Craiova, Physics Volume 30, Pages 85 – 95, 2020, Quartile: **Q4**-2020.

[33] Boian Lazov, Tsvetan Vetsov, Sum of Three Cubes via Optimisation, arXiv:2005.09710 [math.NT], 2020.

[34] H. Dimov, M. Radomirov, R. C. Rashkov, T. Vetsov, Holographic Fisher Information Metric in Schrödinger Spacetime, [arXiv:2009.01123 [hep-th]], 2020.

2021

[35] A. Golubtsova, H. Dimov, I. Iliev, M. Radomirov, R. C. Rashkov, T. Vetsov, Pulsating strings in $Schr_{5 \times T^4, 1}$ background, J. Phys. A: Math. Theor. vol: 54, issue: 3, 2021, doi.org/10.1088/1751-8121/abc7e9, IF (1.996 - 2020), SJR (0.85 - 2020), Quartile: **Q1**-2020.

[36] G. Gylchev, P. Nedkova, T. Vetsov and S. Yazadjiev, Image of the thin accretion disk around compact objects in the Einstein-Gauss-Bonnet gravity, [arXiv:2106.14697 [gr-qc]], (Accepted in EPJC, September 6th), Quartile: **Q1**-2020.

Брой независими цитирания (Web of Science): 81

Най-цитирани публикации (независими цитирания Web of Science):

Пуб. 25: 27

Пуб. 1: 23

Пуб. 8: 7

Пуб. 21: 7

Пуб. 13: 6

Пуб. 20: 4

h-index (Web of Science): 5