

Сведения по оппонентам и ведущей организации по диссертации Дедикова Святослава Юрьевича

Официальные оппоненты

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Должность: заведующий отделом.

Публикации И.И. Зинченко, близкие к теме диссертации С.Ю. Дедикова:

1. Zinchenko, I. I., Salii, S. V., Sobolev, A. M., Zaichikova, I. A., Liu, S. -Y., Su, Y. -N., “Submillimetre Class II methanol masers near the massive protostar S255IR NIRS 3: evolution and excitation of the $J_1 - J_0 A^{-+}$ series and a new maser line at 345.919 GHz”, *Monthly Notices of the Royal Astronomical Society*, vol. 543, no. 1, pp. L9–L13, 2025. doi: 10.1093/mnras/slaf086
2. Hojaev, A. S., Zinchenko, I. I., “Possibilities for Studying Star-Formation Processes at IRAO “Suffa”: Objects and Tasks”, *Astrophysical Bulletin*, vol. 80, no. 1, pp. 140–161, 2025. doi: 10.1134/S1990341324601011
3. Pazukhin, A. G., Zinchenko, I. I., Trofimova, E. A., “Study of the Physical and Chemical Properties of Dense Clumps at Different Evolutionary Stages in Several Regions of Massive Star and Stellar Cluster Formation”, *Astronomy Reports*, vol. 69, no. 2, pp. 87–102, 2025. doi: 10.1134/S1063772925701586
4. Zinchenko, I. I., Liu, S. -Y., Su, Y. -N., “Fine structure and kinematics of the ionized and molecular gas in the jet and disk around S255IR NIRS3 from high-resolution ALMA observations”, *Astronomy & Astrophysics*, vol. 692, p. A181, 2024. doi: 10.1051/0004-6361/202452458
5. Zinchenko, I. I., “Accretion outbursts in massive young stellar objects”, *INASAN Science Reports*, vol. 9, pp. 40–43, 2024. doi: 10.51194/INASAN.2024.9.2.002
6. Churazov, Eugene, Khabibullin, Ildar I., Bykov, Andrei M., Chugai, Nikolai N., Sunyaev, Rashid A., Utrobin, Victor P., Zinchenko, Igor I., “North Polar Spur: Gaseous plume(s) from star-forming regions $\sim 3\text{--}5$ kpc from the Galactic Center?”, *Astronomy & Astrophysics*, vol. 691, p. L22, 2024. doi: 10.1051/0004-6361/202451762
7. Trofimova, E. A., Zinchenko, I. I., Zemlyanukha, P. M., Thomasson, M., “A Survey of High-Mass Star Forming Regions in the Line of Singly Deuterated Ammonia NH_2D ”, *Astronomy Reports*, vol. 68, no. 8, pp. 771–789, 2024. doi: 10.1134/S1063772924700719
8. Bhadari, N. K., Dewangan, L. K., Pirogov, L. E., Pazukhin, A. G., Zinchenko, I. I., Maity, A. K., Sharma, Saurabh, “Fragmentation and dynamics of dense gas structures in the proximity of massive young stellar object W42-MME”, *Monthly Notices of the Royal Astronomical Society*, vol. 526, no. 3, pp. 4402–4417, 2023. doi: 10.1093/mnras/stad2981

9. Mallick, Kshitiz K., Dewangan, Lokesh K., Ojha, Devendra K., Baug, Tapas, Zinchenko, Igor I., “Structure and Kinematics of Sh2-138-A Distant Hub-filament System in the Outer Galactic Plane”, *The Astrophysical Journal*, vol. 944, no. 2, p. 228, 2023. doi: 10.3847/1538-4357/acb8bc
10. Zinchenko, I. I., “Observational studies of high-mass star formation”, *Astronomical and Astrophysical Transactions*, vol. 33, no. 4, pp. 355–376, 2023. doi: 10.48550/arXiv.2211.15586
11. Zemlyanukha, Petr, Zinchenko, Igor I., Dombek, Evgeny, Pirogov, Lev E., Topchieva, Anastasiia, Joncas, Gilles, et al., “Fragmented atomic shell around S187 H II region and its interaction with molecular and ionized gas”, *Monthly Notices of the Royal Astronomical Society*, vol. 515, no. 2, pp. 2445–2463, 2022. doi: 10.1093/mnras/stac1989

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Публикации А.С. Гусева, близкие к теме диссертации С.Ю. Дедикова:

1. Kostiuk, V. S., Gusev, A. S., Marchuk, A. A., Shimanovskaya, E. V., “Gravitational instability and spatial regularity of the gas clouds and young stellar population in spiral arms of NGC 628”, *Astronomy & Astrophysics*, vol. 698, p. L6, 2025. doi: 10.1051/0004-6361/202554886
2. Sakhibov, F. Kh., Kostiuk, V. S., Gusev, A. S., Shimanovskaya, E. V., “On the Nature of Spiral Arms in the Interacting Galaxy M51”, *Astronomy Reports*, vol. 69, no. 5, pp. 348–362, 2025. doi: 10.1134/S1063772925701811
3. Kostiuk, Valeria, Marchuk, Alexander, Gusev, Alexander, Chugunov, Ilia V., “A Comprehensive Analysis on the Nature of the Spiral Arms in NGC 3686, NGC 4321, and NGC 2403”, *Galaxies*, vol. 13, no. 2, p. 27, 2025. doi: 10.3390/galaxies13020027
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5. Gusev, A. S., Sakhibov, F. Kh., Moiseev, A. V., Kostiuk, V. S., Oparin, D. V., “Parameters of Star Formation Regions in Galaxies NGC 3963 and NGC 7292”, *Astronomy Reports*, vol. 68, no. 7, pp. 619–640, 2024. doi: 10.1134/S1063772924700616
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7. Gusev, A. S., Moiseev, A. V., Zheltoukhov, S. G., “Gas Kinematics in the Magellanic-Type Galaxy NGC 7292”, *Astrophysical Bulletin*, vol. 78, no. 3, pp. 293–303, 2023. doi: 10.1134/S1990341323700104

8. Gusev, A. S., “Regular Chains of Star Formation Regions in Spiral Arms and Rings of Disk Galaxies”, *Astronomy Reports*, vol. 67, no. 5, pp. 458–469, 2023. doi: 10.1134/S1063772923050049
9. Sil’chenko, O. K., Moiseev, A. V., Gusev, A. S., Kozlova, D. V., “Kinematics and Origin of Gas in the Disk Galaxy NGC 2655”, *Astrophysical Bulletin*, vol. 77, no. 4, pp. 397–406, 2022. doi: 10.1134/S1990341322040137
10. Gusev, A. S., Shimanovskaya, E. V., Zaitseva, N. A., “Spatial regularity of the young stellar population in spiral arms of late-type galaxies NGC 895, NGC 5474, and NGC 6946”, *Monthly Notices of the Royal Astronomical Society*, vol. 514, no. 3, pp. 3953–3964, 2022. doi: 10.1093/mnras/stac1592
11. Sakhibov, F., Gusev, A. S., Hemmerich, C., “Azimuthal propagation of star formation in nearby spiral galaxies: NGC 628, NGC 3726, and NGC 6946”, *Monthly Notices of the Royal Astronomical Society*, vol. 508, no. 1, pp. 912–925, 2021. doi: 10.1093/mnras/stab2532
12. Gusev, A. S., Dodin, A. V., “Peculiarities of the chemical abundance distribution in galaxies NGC 3963 and NGC 7292”, *Monthly Notices of the Royal Astronomical Society*, vol. 505, no. 2, pp. 2009–2019, 2021. doi: 10.1093/mnras/stab1414

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Публикации сотрудников ведущей организации, близкие к теме диссертации С.Ю. Дедикова:

1. Gupta, N., Kerp, J., Balashev, S. A., Morelli, A. P. M., Combes, F., Krogager, J. -K., et al., “The MeerKAT Absorption Line Survey (MALS) data release 3: Cold atomic gas associated with the Milky Way”, *Astronomy & Astrophysics*, vol. 698, p. A120, 2025. doi: 10.1051/0004-6361/202452407
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6. Urbina, F., Noterdaeme, P., Berg, T. A. M., Balashev, S., López, S., Bian, F., “The rich galactic environment of a H₂-absorption-selected quasar. Ly α mapping down to the inner kiloparsecs via perfect natural coronagraphy and integral field spectroscopy”, *Astronomy & Astrophysics*, vol. 688, p. L25, 2024. doi: 10.1051/0004-6361/202451236
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10. Kislitsyn, P. A., Balashev, S. A., Murphy, M. T., Ledoux, C., Noterdaeme, P., Ivanchik, A. V., “A new precise determination of the primordial abundance of deuterium: measurement in the metal-poor sub-DLA system at $z = 3.42$ towards quasar J 1332+0052”, *Monthly Notices of the Royal Astronomical Society*, vol. 528, no. 3, pp. 4068–4081, 2024. doi: 10.1093/mnras/stae248
11. Balashev, S. A., Kosenko, D. N., “Neutral carbon in diffuse interstellar medium: abundance matching with H₂ for damped Lyman alpha systems at high redshifts”, *Monthly Notices of the Royal Astronomical Society*, vol. 527, no. 4, pp. 12109–12119, 2024. doi: 10.1093/mnras/stad3971
12. Ushakov, V. G., Balashev, S. A., Medvedev, E. S., “Analysis of the calculated and observed X-X ro-vibrational transition intensities in molecular hydrogen”, *Journal of Molecular Spectroscopy*, vol. 399, p. 111863, 2024. doi: 10.1016/j.jms.2023.111863