

Сведения по оппонентам и ведущей организации по диссертации Михальченко Артема Олеговича

Официальные оппоненты

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Должность: ведущий научный сотрудник.

Публикации А.В. Иванчика, близкие к теме диссертации А.О. Михальченко:

1. Kurichin, O. A. and Ivanchik, A. V., “An Improved Photoionization Model for Analysis of H II Region Spectra for the Determination of Primordial He Abundance”, *Astronomy Letters*, vol. 50, no. 12, pp. 807–820, 2024. doi: 10.1134/S1063773725700070
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3. Klimenko, V. V., Balashev, S. A., Noterdaeme, P., Srianand, R., Ivanchik, A. V., “Excitation of CO molecules in diffuse gas over cosmic history”, *Monthly Notices of the Royal Astronomical Society*, vol. 533, no. 2, pp. 1367–1393, 2024. doi: 10.1093/mnras/stae1863
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5. 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
6. Ivanchik, A. V., Kurichin, O. A., Yurchenko, V. Yu., “Cosmological Neutrinos and Their Influence on the Evolution of the Universe”, *Radiophysics and Quantum Electronics*, vol. 66, no. 9, pp. 639–649, 2024. doi: 10.1007/s11141-024-10324-9
7. Chernikov, P. A., Ivanchik, A. V., “The Influence of the Effective Number of Active and Sterile Neutrinos on the Determination of the Values of Cosmological Parameters”, *Astronomy Letters*, vol. 48, no. 12, pp. 689–701, 2022. doi: 10.1134/S1063773722110056
8. Kurichin, O. A., Kislitsyn, P. A., Ivanchik, A. V., “Determination of H II Region Metallicity in the Context of Estimating the Primordial Helium Abundance”, *Astronomy Letters*, vol. 47, no. 10, pp. 674–685, 2021. doi: 10.1134/S1063773721100054

9. Kurichin, O. A., Kislitsyn, P. A., Klimenko, V. V., Balashev, S. A., Ivanchik, A. V., “A new determination of the primordial helium abundance using the analyses of H II region spectra from SDSS”, *Monthly Notices of the Royal Astronomical Society*, vol. 502, no. 2, pp. 3045–3056, 2021. doi: 10.1093/mnras/stab215
10. Yurchenko, Vlad Yu., Ivanchik, Alexandre V., “Spectral features of non-equilibrium antineutrinos of primordial nucleosynthesis”, *Astroparticle Physics*, vol. 127, p. 102537, 2021. doi: 10.1016/j.astropartphys.2020.102537
11. Klimenko, V. V., Ivanchik, A. V., Petitjean, P., Noterdaeme, P., Srianand, R., “Estimation of the Cosmic Microwave Background Temperature from Atomic C I and Molecular CO Lines in the Interstellar Medium of Early Galaxies”, *Astronomy Letters*, vol. 46, no. 11, pp. 715–725, 2020. doi: 10.1134/S1063773720110031

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Название организации: Специальная астрофизическая обсерватория РАН.

Должность: старший научный сотрудник.

Публикации В.А. Столярова, близкие к теме диссертации А.О. Михальченко:

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2. Stolyarov, V. A., Balega, Y. Y., Mingaliev, M. G., Sotnikova, Y. V., Vdovin, V. F., Gunbina, A. A., Kukushkin, D. E., Tarasov, M. A., Fominsky, M. Y., Chekushkin, A. M., et al., “Prospects of Millimeter Astronomy Development at the Special Astrophysical Observatory of the Russian Academy of Sciences (SAO RAS)”, *Astrophysical Bulletin*, vol. 79, no. 2, pp. 321–339, 2024. doi: 10.1134/S1990341324600467
3. Kudryavtsev, Dmitry O., Sotnikova, Yulia V., Stolyarov, Vladislav A., Mufakharov, Timur V., Vlasyuk, Valery V., Khabibullina, Margarita L., Mikhailov, Alexander G., Cherepkova, Yulia V., “Cluster Analysis of the Roma-BZCAT Blazars”, *Research in Astronomy and Astrophysics*, vol. 24, no. 5, p. 055011, 2024. doi: 10.1088/1674-4527/ad3d14
4. Sotnikova, Yulia, Mikhailov, Alexander, Mufakharov, Timur, An, Tao, Kudryavtsev, Dmitry, Mingaliev, Marat, Udovitskiy, Roman, Kudryashova, Anastasia, Stolyarov, Vlad, Semenova, Tamara, “High-Redshift Quasars at $z \geq 3$: Radio Variability and MPS/GPS Candidates”, *Galaxies*, vol. 12, no. 3, p. 25, 2024. doi: 10.3390/galaxies12030025
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7. Khabibullina, M. L., Mikhailov, A. G., Sotnikova, Yu. V., Mufakharov, T. V., Mingaliev, M. G., Kudryashova, A. A., Bursov, N. N., Stolyarov, V. A., Udovitskiy, R. Y., “Radio Properties of High-Redshift Galaxies at ”, *Astrophysical Bulletin*, vol. 78, no. 4, pp. 443–463, 2023. doi: 10.1134/S1990341323700190
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Ведущая организация

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Публикации сотрудников ведущей организации, близкие к теме диссертации
А.О. Михальченко:

1. Ugol'kova, L. S., Pshirkov, M. S., Goranskij, V. P., Ikonnikova, N. P., Safonov, B. S., Tatarnikov, A. M., Shimanovskaya, E. V., Burlak, M. A., Afonina, M. D., "Investigation of the Flaring Activity of BL Lac in July-November 2021", *Astronomy Letters*, vol. 49, no. 5, pp. 216–228, 2023. doi: 10.1134/S1063773723050067
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4. Konnikova, V. K., Kharinov, M. A., Ipatov, A. V., Ipatova, I. A., Mardyshkin, V. V., Mingaliev, M. G., "Variability of the Blazar J1504+1029 on Timescales from Hours to Years", *Astronomy Reports*, vol. 63, no. 4, pp. 316–342, 2019. doi: 10.1134/S1063772919030053
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12. Gabuzda, D. C., Vitrishchak, V. M., Mahmud, M., O’Sullivan, S. P., “Radio circular polarization produced in helical magnetic fields in eight active galactic nuclei”, *Monthly Notices of the Royal Astronomical Society*, vol. 384, no. 3, pp. 1003–1014, 2008. doi: 10.1111/j.1365-2966.2007.12773.x