

Сведения по оппонентам и ведущей организации по диссертации Лободы Ивана Петровича

Ведущая организация

Полное название: Федеральное государственное бюджетное учреждение науки Институт земного магнетизма, ионосферы и распространения радиоволн им. Н.В. Пушкова Российской академии наук.

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Публикации сотрудников ведущей организации, близкие к теме диссертации И.П. Лободы:

- 1) Yu.S. Zagainova, V.G. Fainshtein, V.N. Obridko, *Comparison of the properties of leading and trailing sunspots*, Geomagn. Aeron., 2015, v. 55, No. 1, pp. 13-23.
- 2) K. Georgieva, B. Kirov, Yu. Nagovitsyn, V. Obridko, *Sunspot cycle 24: Is the Sun entering a grand minimum? "Solar and Solar-Terrestrial Physics - 2015"*, Proc. Conf. St.-Petersburg, Pulkovo, 5-9 Oct. 2015, pp 71-76.
- 3) Vladimir N. Obridko, Bertha D. Shelting, *Coronal holes in global complexes of activity*, Hindawi Publishing Corporation, Advances in Astronomy, 2015, 9 pages.
- 4) О.Г. Бадалян, В.Н. Обридко, *Дифференциальное вращение магнитного поля солнечной короны*. Труды Симп. "Солнечная и солнечно-земная физика - 2015", Санкт-Петербург, Пулково, 5-9 октября 2015 г., стр. 15-18.
- 5) B. Kirov, S. Asenovski, K. Georgieva, V.N. Obridko, *What causes geomagnetic activity during sunspot minimum?* Geomagnetism and Aeronomy, 2015, Vol. 55, No. 8, pp. 1033-1038.
- 6) Gennady Chernov, Robert Sych, Bao-Lin Tan, Yi-Hua Yan, Cheng-Ming Tan, Qi-Jun Fu, Marian Karlický and Valery Fomichev. *Flare evolution and polarization changes in fine structures of solar radio emission in the 2013 April 11 event*. RAA 2016 Vol. 16 No. 2, 28.
- 7) Chertok I.M. *Powerful Solar Flares of 2017 September: Correspondence between Parameters of Microwave Bursts and Proton Fluxes near Earth*. O. Research Notes of the American Astronomical Society. Volume 2, article id. #20, 2018.
- 8) Chertok I.M. *Diagnostic analysis of solar proton flares of september 2017 by their radio bursts*. Geomagnetism and Aeronomy. Volume 58, Issue 4, pp 457-46, 2018.
- 9) Chertok I.M., Belov A.V., Abunin A.A. *Solar Eruptions, Forbush Decreases and Geomagnetic Disturbances from an Outstanding Active Region 12673*. Space Weather, volume 16, 2018.

- 10) Chertok I.M., Grechnev, V.V., Abunin A.A. An, *Early Diagnostics of the Geoeffectiveness of Solar Eruptions from Photospheric Magnetic Flux Observations: The Transition from SOHO to SDO*. Solar Phys., Volume 292, Issue 4, article id. #62, 16 pp., 2017.
- 11) Chertok I.M., Belov A.V., *Long- and Mid-Term Variations of the Soft X-ray Flare Type in Solar Cycles*. Solar Phys., Volume 292, Issue 10, article id. #144, 13 pp., 2017.
- 12) Grechnev V.V., Kiselev V.I., Meshalkina N.S., Chertok I.M. *Correlation of near-Earth High-Energy Proton Enhancements >100 MeV with Parameters of Solar Microwave Bursts*. Solnechno-Zemnaya Fizika, vol. 3, iss. 3, pp. 3–14, 2017.
- 13) Grechnev V.V., A.M. Uralov, I.V. Kuzmenko, A.A. Kochanov, I.M. Chertok, S.S. Kalashnikov. *Responsibility of a Filament Eruption for the Initiation of a Flare, CME, and Blast Wave, and its Possible Transformation into a Bow Shock*. Solar Phys., Volume 290, Issue 1, pp.129-158, 2015.
- 14) Chertok I.M., Abunina M.A., Abunin A.A., Belov A.V., Grechnev, V.V. *Relationship between the Magnetic Flux of Solar Eruptions and the Ap index of Geomagnetic Storms*. Solar Phys., Volume 290, Issue 2, pp.627-633, 2015.
- 15) Chertok I.M., Belov A.V., Grechnev, V.V. *A Simple Way to Estimate the Soft X-ray Class of Far-Side Solar Flares Observed with STEREO/EUVI*. Solar Phys., Volume 290, Issue 7 pp.1947-1961, 2015.
- 16) Grechnev V.V., Kiselev V.I., Meshalkina N.S., Chertok I.M. *Relations between Microwave Bursts and near-Earth High-Energy Proton Enhancements and their Origin*. Solar Phys., Volume 290, Issue 10, pp. 2827-2855, 2015.

Официальные оппоненты

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Должность: ведущий научный сотрудник.

Публикации, близкие к теме диссертации И.П. Лободы:

- 1) Zhuravleva, I., Churazov, E., Schekochihin, A.A., Allen, S.W., Vikhlinin, A., Werner, N. *Suppressed effective viscosity in the bulk intergalactic plasma*, Nature Astronomy, 3 (9), pp. 832-837 (2019).
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- 3) Ponti, G., Hofmann, F., Churazov, E., Morris, M.R., Haberl, F., Nandra, K., Terrier, R., Clavel, M., Goldwurm, A., *An X-ray chimney extending hundreds of parsecs above and below the Galactic Centre*, Nature, 567 (7748), pp. 347-350 (2019).
- 4) Lyskova, N., Churazov, E., Zhang, C., Forman, W., Jones, C., Dolag, K., Roediger, E.,

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19) Lyskova, N., Churazov, E., Naab, T., *Mass density slope of elliptical galaxies from strong lensing and resolved stellar kinematics*, Monthly Notices of the Royal Astronomical Society, 475 (2), pp. 2403-2414 (2018).

19) Gatuzz, E., Churazov, E., *Probing the structure of the gas in the Milky Way through X-ray high-resolution spectroscopy*, Monthly Notices of the Royal Astronomical Society, 474 (1), pp. 696-711 (2018).

20) Churazov, E., Khabibullin, I. *Polarization of MeV gamma-rays and 511 keV line shape as probes of SNIa asymmetry and magnetic field*, Monthly Notices of the Royal Astronomical Society, 480 (1), pp. 1393-1401 (2018).

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Должность: старший научный сотрудник.

Публикации, близкие к теме диссертации И.П. Лободы:

1) Slemzin, V.A., Goryaev, F.F., Rodkin, D.G., Shugay, Y.S., Kuzin, S.V., *Formation of Coronal Mass Ejections in the Solar Corona and Propagation of the Resulting Plasma Streams in the Heliosphere*, Plasma Physics Reports, 45 (10), pp. 889-920 (2019).

2) Rodkin, D.G., Kaportseva, K.B., Lukashenko, A.T., Veselovsky, I.S., Slemzin, V.A., Shugay, Y.S. *Large-Scale and Small-Scale Solar Wind Structures Formed during Interaction of Streams in the Heliosphere*, Cosmic Research, 57 (1), pp. 18-28 (2019).

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- 8) Shugay, Y.S., Veselovsky, I.S., Slemzin, V.A., Yermolaev, Y.I., Rodkin, D.G., *Possible causes of the discrepancy between the predicted and observed parameters of high-speed solar wind streams*, Cosmic Research, 55 (1), pp. 20-29 (2017).
- 9) Veselovsky, I.S., Shugay, Y.S., *On the lack of any statistically significant effect of Mercury on the solar wind velocity near the orbit of the Earth*, Solar System Research, 50 (6), pp. 447-450 (2016).
- 10) Rod'kin, D.G., Shugay, Y.S., Slemzin, V.A., Veselovskii, I.S., *The effect of solar activity on the evolution of solar wind parameters during the rise of the 24th cycle*, Solar System Research, 50 (1), pp. 44-55 (2016).
- 11) Rodkin, D.G., Shugai, Y.S., Slemzin, V.A., Veselovskii, V.A., *Interaction of high-speed and transient fluxes of solar wind at the maximum of solar cycle 24*, Bulletin of the Lebedev Physics Institute, 43 (9), pp. 287-290 (2016).
- 12) Slemzin, V.A., Shugai, Y.S. *Identification of coronal sources of the solar wind from solar images in the EUV spectral range*, Cosmic Research, 53 (1), pp. 47-58 (2015).