Anastasia Tsvetkova

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Physics Department
University of Cagliari
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Professional website: `https://anastasia-tsvetkova.github.io`

Personal data

Place and Date of Birth: Saint Petersburg, Russia, 23 October 1985

Nationality: Russian

Languages

English: Full professional proficiency, including professional vocabulary,
Spanish: Full professional proficiency, DELE C1,
Russian: Native,
German: Elementary proficiency,
Italian: Elementary proficiency.

Primary research interests

Gamma-ray bursts, Solar flares, Strong gravitational lensing, Soft gamma repeaters, Development of gamma-ray spectrometers.

Employment history

High-Energy Astrophysics Group, Department of Physics, University of Cagliari, Italy

Assistant professor (RTDa) (06/2023–05/2026)
Postdoctoral researcher (05/2022–04/2023)

High-Energy Astrophysics Group, Max Planck Institute for Extraterrestrial Physics, Garching bei München, Germany

Postdoctoral researcher (10/2020–12/2021)

Laboratory for Experimental Astrophysics (Konus-Wind team), Ioffe Institute of Russian Academy of Sciences, St. Petersburg, Russia

Researcher (01/2019–09/2020, 01/2022–04/2022)
Junior researcher (09/2010–12/2018)
Research assistant (07/2008–08/2010)

Visiting scientist

Department of Physics and Earth Science, University of Ferrara, Italy (07/2024-09/2024)

GSSI Gravity group, L'Aquila, Italy (04/2024-05/2024)

Department of Physics and Earth Science, University of Ferrara, Italy (07/2023-09/2023)

High-Energy Astrophysics Group, Max Planck Institute for Extraterrestrial Physics, Garching bei München, Germany (01/2020)

Education

Ioffe Institute of Russian Academy of Sciences
PhD in Physics and Mathematics (09/2014–06/2018)
Major: Astrophysics and Astronomy
Thesis: Konus-Wind observations of gamma-ray bursts with known redshifts
Supervisor: Leading Research Scientist Dr. D. D. Frederiks

Peter the Great St. Petersburg Polytechnic University
MSc in Astrophysics (09/2006–12/2008)
Thesis: Gravitational lensing of gamma-ray bursts
Supervisor: Leading Research Scientist Dr. V. D. Pal'shin

Peter the Great St. Petersburg Polytechnic University
BSc in Astrophysics (09/2002–06/2006)
Thesis: Ionization losses of protons and alpha-particles in the Earth's atmosphere
Supervisor: Prof. V. M. Ostriakov

Auxiliary certifications

Machine Learning (Coursera course from Stanford University)

Neural Networks and Deep Learning (Coursera course from DeepLearning.AI)

Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization (Coursera course from DeepLearning.AI)

Structuring Machine Learning Projects (Coursera course from DeepLearning.AI)

Convolutional Neural Networks (Coursera course from DeepLearning.AI)

Sequence Models (Coursera course from DeepLearning.AI)

Research experience

Studying the observed Gamma-ray burst (GRB) properties with the Konus-*Wind* (KW) γ-ray spectrometer.

Examining the cosmological properties of GRBs with known redshifts.

Joint spectral analysis of the data acquired in different γ-ray experiments (KW, *Swift*-BAT, *Fermi*-GBM, *ASIM*-MXGS).

Modeling GRB light curves.

Application of unsupervised ML (clustering) to GRBs.

Computer and programming skills

Astronomy: Xspec, PyXspec, Astropy, Fermi GBM Data Tools, 3ML.

General: Python (including Numpy, Matplotlib, Seaborn, Pandas, Scikit-learn, Ten-

	sorFlow, Keras), R language, Origin Pro, Gnuplot, Perl, LaTeX, GNU Octave, MySQL, C, Fortran, HTML.
Instruments	Konus-*Wind*, *Swift*-BAT, *Fermi*-GBM, *ASIM*-MXGS.
Professional duties	Developing pipeline for the Konus-*Wind* data processing.
	Carrying out spectral analysis for publishing the GCN circulars based on the KW data.
	Performing spectral analysis of the KW/joint data by request.
	Maintenance of a website on Solar flares `http://www.ioffe.ru/LEA/SF_AR/` and a webpage containing a list of the KW Solar flare triggers identified by GOES `http://www.ioffe.ru/LEA/Solar/`
	Secretary of HERMES science team seminars (2023 – present)
	Secretary of Solar Physics Webinar of Global Reach – SolFER Colloquium (2018–2022)
	Preparing biweekly reviews of Solar physics news (2015–2019)

Fellowships and awards	EUTOPIA-SIF two-year postdoctoral fellowship at the University of Warwick (declined due to incompatibility with another job offer), May 2023.
	Team award for the best scientific work in 2021 at Ioffe institute ("Unique Magnetar flares and their connection with Gamma-ray bursts and Fast radio bursts").
Grants	Grant of Russian Foundation For Basic Research 21-12-00250, Co-I (2021–2023)
	Grant of Russian Foundation For Basic Research 15-02-00532 A, Co-I (2015–2017)
	Grant of Russian Foundation For Basic Research 15-02-03717, Co-I (2016–2017)
	Grant of Russian Foundation For Basic Research 15-02-03835 A, Co-I (2015–2017)
	Grant of Russian Science Foundation 17-12-01378, Co-I (2017–2019)
	Grant of Russian Foundation For Basic Research 18-02-00062 A, Co-I (2018–2020)
Observational time awarded (Co-I)	*Broadband modelling of the afterglow emission from Gamma-Ray Bursts: a strategy for short response radio follow-up with Sardinia Radio Telescope* SRT: 80 hours, 2024B

Lecturing	Autumn 2024 & Autumn 2025: A half (24 h) of the MSc course "Astrophysics" (Astrophysical processes) at the University of Cagliari delivered in English.

Mentoring

BSc Thesis: Temporal variability of Konus-*Wind* GRBs
Student: Valeria Ishutina (Ivanova), Peter the Great St. Petersburg Polytechnic University
(Spring 2022–Spring 2023)

BSc Thesis: Time-resolved spectral analysis of Konus-*Wind* GRBs
Student: Sofia Belova, Peter the Great St. Petersburg Polytechnic University
(Spring 2023–Spring 2024)

BSc Thesis: Duration distribution of Konus-*Wind* GRBs with redshifts as a proxy to their progenitors
Student: Vallia Abuzakri, Peter the Great St. Petersburg Polytechnic University
(Spring 2023–Spring 2024)

MSc Thesis: Properties of light curves of GRBs observed by Konus-*Wind*
Student: Valeria Ishutina, Peter the Great St. Petersburg Polytechnic University
(Autumn 2024–present)

MSc Thesis: Joint spectral analysis of Konus-*Wind* and *BeppoSAX*/WFC GRBs
Student: Sofia Belova, Peter the Great St. Petersburg Polytechnic University
(Autumn 2024–present)

MSc Thesis: Cross-calibration of Konus-*Wind*, *Fermi*/GBM, and *Swift*/BAT detectors using simultaneously detected GRBs
Student: Fyodor Sviridov, Alferov University (St. Petersburg)
(Autumn 2024–present)

BSc Thesis: Spectral analysis of *Fermi*/GBM GRBs with known redshifts
Student: Polina Krupina, Peter the Great St. Petersburg Polytechnic University
(Autumn 2024–present)

BSc Thesis: Distribution of the number of peaks within a long GRBs as observed by Konus-*Wind*
Student: Julia Epifanova, Peter the Great St. Petersburg Polytechnic University
(Autumn 2024–present)

Thesis reviewer

MSc Thesis: Spectral analysis of short GRBs detected by *Fermi*/GBM
Student: Nadezhda Lyashenko, Peter the Great St. Petersburg Polytechnic University
(Spring 2023)

Outreach

December of 2023, 2024, 2025: Open days for students at the University of Cagliari

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Selected Conferences, Seminars, and Schools

1. On-line JIVE VLBI School, 15-19 September 2025.
2. Contributed talk, INTEGRAL workshop 2024: 22 years of INTEGRAL catching results and discoveries (Madrid, Spain, October 2024).
3. Contributed talk, The 3rd Nanjing GRB Conference (Suzhou, China, May 2024).
4. Invited talk, ModIC 2024 - Model-Independent Cosmology with gravitational waves, large-scale structure, and high-energy surveys (Trieste, Italy, May 2024).

5. Contributed talk, Looking AHEAD to soft gamma-ray Astrophysics: prospects and challenges (Ferrara, Italy, February 2024).
6. Contributed talk, High redshift Gamma-ray bursts in the JWST era (Sexten, Italy, January 2023).
7. Invited talk, HEAP-UNAM seminar (UNAM, Mexico, September 2022, remotely, given in Spanish).
8. Invited talk, HERMES science team meetings (remotely, May 2022).
9. Invited talk, Seminar of Department of Physics and Earth Science (University of Ferrara, Italy, December 2021).
10. Contributed Talk, INTEGRAL: towards the third decade of X and Gamma ray observations (Sardinia, Italy, October 2021).
11. Contributed Talk, Yamada Conference LXXI: Gamma-ray Bursts in the Gravitational Wave Era 2019 (Yokohama, Kanagawa, Japan, October 2019).
12. Contributed Talk, Ioffe Workshop on GRBs and other transient sources: 25 Years of Konus-Wind Experiment (Ioffe Institute, St. Petersburg, Russia, September 2019).
13. Contributed Talk, High energy astrophysics today and tomorrow (Moscow, Russia, December 2018).
14. Contributed Talk, The multi-messenger astronomy: gamma-ray bursts, search for electromagnetic counterparts to neutrino events and gravitational waves (Special Astrophysical Observatory, Russia, October 2018).
15. Invited Talk, High Energy Astrophysics Seminars (Space Research Institute, Moscow, Russia, April 2018).
16. Invited Talk, Ya. B. Zeldovich Seminars on Astrophysics (Sternberg Astronomical Institute of Moscow University, Moscow, Russia, April 2018).
17. Invited Talk, Joint Astrophysical Seminars (Ioffe Institute, St. Petersburg, Russia, April 2018).
18. Invited Talk, High Energy Astrophysics Seminars (MPA, Garching, Germany, October 2017).
19. Contributed Talk, 7th International Fermi Symposium (Garmisch-Partenkirchen, Germany, October 2017).
20. Contributed Talk, Russian annual conference "Solar and solar-terrestrial physics – 2017" (St. Petersburg, Russia, Pulkovo Observatory, October 2017).
21. Contributed Talk, Joint IAPSO-IAMAS-IAGA Assembly (Cape Town, South Africa, September 2017).
22. Contributed Talk, International Conference "Bursting Universe by Robots Eyes" (Moscow, Russia, August 2017).
23. Contributed Talk, Russian Astrophysics Highlights (Moscow, Russia, December 2016).
24. Contributed Talk, Ioffe Workshop on GRBs and other transient sources: 20 Years of Konus-Wind Experiment (Ioffe Institute, St. Petersburg, Russia, September 2014).
25. Poster, High energy astrophysics today and tomorrow (Moscow, Russia, December 2013).
26. School "Observational and theoretical cosmology" (Special Astrophysical observatory, Russia, 2011).

27. School "Nuclear astrophysics" (Pushchino Radio Astronomy observatory, Russia, 2010).

Gamma-ray Coordinates Network	Co-author of 700+ GCN circulars based on the KW data.
Manuscript reviewer	ApJ
Organization of Conferences and Seminars	Member of LOC of the Ioffe Workshop on GRBs and other transient sources: 25 Years of Konus-Wind Experiment (2019) Member of LOC of the Ioffe Workshop on GRBs and other transient sources: 20 Years of Konus-Wind Experiment (2014) Member of LOC of the Ioffe Workshop on Problems of Modern Physics and Cosmology (2009)

Papers

NASA ADS Library	Link to the Library
Metrics according to Google Scholar	h-index: 25 Total citations: 9092 The highest first-authorship citation: 161

Papers in preparation

1. **Tsvetkova, A.**, Belova, S., Amati, L. et al., *Joint spectral analysis of KW and BeppoSAX/WFC data*
2. **Tsvetkova, A.**, Sviridov, F., Epifanova, J. et al. *Multivariate clustering of GRBs in their rest frame*
3. **Tsvetkova, A.**, Belova, S., Guidorzi, C. et al., *Study of temporal properties of (KW) GRB light curves: variability, PDS, etc.*

Submitted papers

1. W. Leone, L. Burderi, T. di Salvo, **A. Tsvetkova** et al., *A Cosmology-Dependent Framework for Detecting LIV Signatures*, submitted to A&A.
2. R.L. Becerra, Yu-Han Yang, Eleonora Troja, ..., **Anastasia Tsvetkova** et al., *Exploring the connection between compact object mergers and fast X-ray transients. The cases of LXT 240402A EP250207b*, submitted to A&A.

Papers in refereed journals

1. Neights, Elizabeth, Burns, Eric, Fryer, Chris, ..., **Tsvetkova, Anastasia**, et al., *GRB 250702B: Discovery of a Gamma-Ray Burst from a Black Hole Falling into a Star*, MNRAS (2025), DOI, ADS.
2. R. Maccary, C. Guidorzi, A.E. Camisasca, ..., **A. Tsvetkova**, *GRB minimum variability timescales with Fermi/GBM*, A&A, 702, A95 (2025), DOI, ADS.

3. W. Leone, L. Burderi, T. di Salvo, ..., **A. Tsvetkova** et al., *Time domain astrophysics with transient sources. Delay estimate via Cross Correlation Function techniques*, A&A 701, A50 (2025), DOI, ADS.
4. Banerjee, B., Macera, S., De Santis, A.L., ..., **Tsvetkova, A.**, et al., *Observation of the spectral turnover in the afterglow emission of GRB 221009A*, A&A 701, A68 (2025), DOI, ADS.
5. S. Gupta, R. Gupta, T. Chattopadhayay, ..., **A. Tsvetkova** et al., *Time-resolved spectro-polarimetric analysis of extremely bright GRB 230307A: Possible evidence of evolution from photospheric to synchrotron dominated emission*, A&A, 701, A172 (2025), DOI, ADS.
6. Saraogi, D., Bala, S, Joshi, J. ... **Tsvetkova, A.** et al., *Investigating Polarization characteristics of GRB 200503A and GRB 201009A*, JA&A, 46, 38, (2025), DOI, ADS.
7. Lysenko, A.L., Svinkin, D.S., Frederiks, D.D., ..., **Anastasia E. Tsvetkova**, et al., *The Third Konus-Wind Catalog of Short Gamma-Ray bursts*, PASA, 42, e063 (2025), DOI, ADS.
8. **Tsvetkova, A.**, Amati, L., Bulla, M. et al., *Gamma-ray burst taxonomy: Looking for the third class on the spectral peak energy-duration plane in the rest frame*, A&A, 698, A169 (2025), DOI, ADS.
9. Guidorzi, C., Orlandini, M., Maccary, R, ..., **Tsvetkova, A** et al., *A search for periodic activity in multi-peaked long gamma-ray bursts*, A&A, 697, A228 (2025), DOI, ADS.
10. Maraventano, C., Ghirlanda, G., Nava, L. , ..., **Tsvetkova, A.**, *High energy time lags of gamma-ray bursts*, A&A, 697, A161 (2025), DOI, ADS.
11. Liu, Y., Sun, H., Xu, D., ..., **Tsvetkova, A. E.** et al., *Soft X-ray prompt emission from the high-redshift gamma-ray burst EP240315a*, Nature Astronomy, 9, 564 (2025), DOI, ADS.
12. Srinivasaragavan, G. P., Perley, D., Ho, A. Y. Q., ..., **Tsvetkova, A. E.** et al., *Multiwavelength analysis of AT 2023sva: a luminous orphan afterglow with evidence for a structured jet*, MNRAS, 538, 351 (2025), DOI, ADS.
13. Guidorzi, C., Maccary, R., **Tsvetkova, A.** et al., *New results on the gamma-ray burst variability–luminosity relation*, A&A, 690, A261 (2024), DOI, ADS.
14. L. Bazzanini, L. Ferro, C. Guidorzi, ..., **A. Tsvetkova**, *Long gamma-ray burst light curves as the result of a common stochastic pulse–avalanche process*, A&A, 689, A266 (2024), DOI, ADS.
15. Ghirlanda, G., Nava, L., Salafia, O., ..., **Tsvetkova, A.**, et al., *HERMES: Gamma-ray burst and gravitational wave counterpart hunter*, A&A, 689, A175 (2024), DOI, ADS.
16. Maccary, R., Maistrello, M., Guidorzi, C., ..., **Tsvetkova, A.**, *Distribution of the number of peaks within a long gamma-ray burst: The full Fermi/GBM catalogue*, A&A, 688, L8 (2024), DOI, ADS.
17. C. Guidorzi, M. Sartori, R. Maccary, **A. Tsvetkova** et al. *Distribution of the number of peaks within a long gamma-ray burst*, A&A, 685, 34 (2024), DOI, ADS.
18. R. Maccary, C. Guidorzi, L. Amati, ..., **A. Tsvetkova**, *Distributions of energy, luminosity, duration, and waiting times of gamma-ray burst pulses with known redshift detected by Fermi/GBM*, ApJ, 965, 72 (2024), DOI, ADS.

19. **A. Tsvetkova**, L. Burderi, A. Riggio et al., *A Concept of Assessment of LIV Tests with THESEUS Using the Gamma-Ray Bursts Detected by Fermi/GBM*, Universe, 9(8), 359 (2023), DOI, ADS.
20. Frederiks, D., Svinkin, D., Lysenko, A. L., . . . , **Tsvetkova A.**, et al., *Properties of the extremely energetic GRB 221009A from Konus-WIND and SRG/ART-XC observations*, ApJL, 949, 7 (2023), DOI, ADS.
21. Burns, E., Svinkin, D., Fenimore E., . . . , **Tsvetkova A.**, et al., *GRB 221009A: The BOAT*, ApJL, 946, 31 (2023), DOI, ADS.
22. Lipunov V.M., Sadovnichy V.A., Panasyuk M.I., . . . , **Tsvetkova A.**, et al., *Three-stage Collapse of the Long Gamma-Ray Burst from GRB 160625B Prompt Multiwavelength Observations*, ApJ, 943, 181 (2023), DOI, ADS.
23. Mei, A., Oganesyan, G., **Tsvetkova, A.** et al., *Constrains on the physics of the prompt emission from a distant and energetic gamma-ray burst GRB 220101A*, ApJ, 941, 82 (2022), DOI, ADS.
24. Ho, A. Y. Q., Perley, D. A., Yao, Y. , . . . , **Tsvetkova, A.** et al., *Cosmological Fast Optical Transients with the Zwicky Transient Facility: A Search for Dirty Fireballs*, ApJ, 938, 85 (2022), DOI, ADS.
25. Rossi, A., Frederiks, D. D., Kann, D. A., . . . , **Tsvetkova, A.** et al., *A blast from the infant Universe: the very high-z GRB 210905A*, A&A, 665, A125 (2022), DOI, ADS.
26. Lysenko, A. L., Ulanov, M. V., Kuznetsov A.A., . . . , **Tsvetkova, A.E.** *KW-Sun: The Konus-Wind Solar Flare Database in Hard X-Ray and Soft Gamma-Ray Ranges*, ApJS, 262, 32 (2022), DOI, ADS.
27. Chattopadhyay, T., Gupta, S., Iyyani, S., . . . , **Tsvetkova, A.**, et al., *Hard X-Ray Polarization Catalog for a Five-year Sample of Gamma-Ray Bursts Using AstroSat CZT Imager*, ApJ, 936, 12 (2022), DOI, ADS.
28. Greiner, J., Hugentobler U., Burgess J.M., . . . , **Tsvetkova A.**, *A proposed network of gamma-ray burst detectors on the global navigation satellite system Galileo G2*, A&A, A 664, A131 (2022), DOI, ADS.
29. **Tsvetkova, A.**, Svinkin, D., Karpov, S., et al., *Key Space and Ground Facilities in GRB Science*, Universe, 8(7), 373 (2022), DOI, ADS.
30. Svinkin, D., Hurley, K., Ridnaia, A., . . . , **Tsvetkova, A.**, et al., *The Second Catalog of Interplatetary Network Localizations of Konus Short Gamma-Ray Bursts*, ApJS 259 34 (2022), DOI, ADS.
31. Ahumada, T, Singer, L. P., Anand, S., . . . ,**Tsvetkova, A.**, et al., *Discovery and confirmation of the shortest gamma-ray burst from a collapsar*, Nat. Astron, 1 (2021), DOI, ADS.
32. **Tsvetkova, A.**, Frederiks, D., Svinkin, D., et al., *The Konus-Wind catalog of gamma-ray bursts with known redshifts. II. Waiting mode bursts simultaneously detected by Swift/BAT*, ApJ, 908, 83 (2021), DOI, ADS.
33. Svinkin, D., Frederiks, D., Hurley, K., . . . , **Tsvetkova, A.**, et al., *A bright gamma-ray flare interpreted as a giant magnetar flare in NGC 253*, Nature, 589, 211 (2021), DOI, ADS.
34. Ridnaia, A., Svinkin, D., Frederiks, D., . . . , **Tsvetkova, A.**, et al., *A peculiar hard X-ray counterpart of a Galactic fast radio burst*, Nat. Astron., 5, 372 (2021), DOI, ADS.
35. Ursi, A, Tavani, M, Frederiks, D., . . . , **Tsvetkova, A.**, et al., *AGILE and Konus-Wind Observations of GRB 190114C: The Remarkable Prompt and Early Afterglow Phases*, ApJ, 904, 133 (2020), DOI, ADS.

36. Lysenko, A. L., Frederiks, D. D., Fleishman, G. D., ..., **Tsvetkova, A.**, et al., *X-ray and gamma-ray emission from solar flares*, Phys. Usp., 63, 818 (2020), DOI, ADS.

37. Aptekar, R.L., Bykov, A.M., Golenetskii, S.V., ..., **Tsvetkova, A.E.**, et al., *Cosmic gamma-ray bursts and soft gamma-repeaters – observations and modeling of the extreme astrophysical phenomena*, Phys. Usp., 62, 8 (2019), DOI, ADS.

38. Hurley, K., **Tsvetkova, A.E.**, Svinkin, D.S., et al., *A Search for Gravitationally Lensed Gamma-Ray Bursts in the Data of the Interplanetary Network and Konus-Wind*, ApJ, 871, 121 (2019), DOI, ADS.

39. D'Elia, V., Campana, S., D'Aì, A., ..., **A. E. Tsvetkova**, *GRB 171205A/SN 2017iuk: A local low-luminosity gamma-ray burst*, A&A, 619, A66 (2018), DOI, ADS.

40. **Tsvetkova, A.**, Frederiks, D., Golenetskii, S., et al., *The Konus-Wind Catalog of Gamma-Ray Bursts with Known Redshifts. I. Bursts Detected in the Triggered Mode*, ApJ, 850, 161, (2017), DOI, ADS.

41. Abbott, B. P., Abbott, R., Abbott, T. D., ..., **Tsvetkova, A. E.**, et al., *Multi-messenger Observations of a Binary Neutron Star Merger*, ApJL, 848, L12 (2017), DOI, ADS.

42. Atteia, J.-L., Heussaff, V., Dezalay , J.-P., ..., **Tsvetkova, A. E.**, et al., *The Maximum Isotropic Energy of Gamma-ray Bursts*, ApJ, 837, 119 (2017), DOI, ADS.

43. Kuznetsov, V. D., Zelenyi, L. M., Zimovets, I. V., ..., **Tsvetkova, A.**, et al., *The Sun and heliosphere explorer - the Interhelioprobe mission*, Ge&Ae, 56, 781 (2016), DOI, ADS.

44. Kozlova, A. V., Israel, G. L., Svinkin, D. S., ..., **Tsvetkova, A. E.**, et al., *The first observation of an intermediate flare from SGR 1935+2154*, MNRAS, 460, 2008 (2016), DOI, ADS.

45. Svinkin, D. S., Frederiks, D. D., Aptekar, R. L., ..., **Tsvetkova, A. E.**, et al., *The Second Konus-Wind Catalog of Short Gamma-Ray Bursts*, ApJS, 224, 10 (2016), DOI, ADS.

46. Lipunov, V. M., Gorosabel, J., Pruzhinskaya, M. V., ..., **Tsvetkova, A. E.**, et al., *The optical identification of events with poorly defined locations: the case of the Fermi GBM GRB 140801A*, MNRAS, 455, 712 (2016), DOI, ADS.

47. Charikov, Yu. E., Aptekar, R. L., Golenetsky, S. V., ..., **Tsvetkova, A. E.**, et al., *Analysis of hard X- and gamma-rays and microwave emissions during the flare of July 18, 2002*, Ge&Ae, 54, 1058 (2014), DOI, ADS.

48. Pal'shin, V. D., Charikov, Yu. E., Aptekar, R. L., ..., **Tsvetkova, A. E.**, *Konus-Wind and Helicon-Coronas-F observations of solar flares*, Ge&Ae, 54, 943 (2014), DOI, ADS.

49. Volnova, A. A., Pozanenko, A. S., Gorosabel, J., ..., **Tsvetkova, A. E.**, et al., *GRB 051008: a long, spectrally hard dust-obscured GRB in a Lyman-break galaxy at* $z \approx 2.8$, MNRAS, 442, 2586 (2014), DOI, ADS.

50. Frederiks, D. D., Hurley, K., Svinkin, D. S., ..., **Tsvetkova, A. E.**, et al., *The Ultraluminous GRB 110918A*, ApJ, 779, 151 (2013), DOI, ADS.

51. Mazets, E. P., Aptekar, R. L., Golenetskii, S. V., ..., **Tsvetkova, A. E.**, *Studies of cosmic gamma-ray bursts and soft gamma repeaters in the Russian-American Konus-Wind experiment*, JETP Lett., 96, 544 (2012), DOI, ADS.

Peer-reviewed Conference Articles

1. A.V. Ridnaia, D.D. Frederiks, D.S. Svinkin, . . . , **A.E. Tsvetkova**, et al., *Search for gamma-ray counterparts to FRBs in Konus-Wind data*, St. Petersburg Polytechnic University Journal. Physics and Mathematics. 2023. Vol. 16. No. 1.2, DOI
2. Svinkin, D.S., Temiraev, Yu. R., . . . **Tsvetkova, A.** et al., *Spectral evolution of long gamma-ray bursts observed with Konus-Wind*, J. Phys.: Conf. Ser., 1697, 012003 (2020), International Conference PhysicA.SPb/2020; St.Petersburg, Russian Federation; 19–23 October 2020, DOI, ADS.
3. Svinkin, D.S., Aptekar, R.L., Golenetskii, S.V., . . . , **Tsvetkova, A.E.**, *Classification of gamma-ray bursts observed with Konus-Wind*, International Conference PhysicA.SPb/2019 J. Phys.: Conf. Ser., 1400, 022010 (2019), DOI, ADS.
4. Kozlova, A.V., Svinkin, D.S., Lysenko, A.L., . . . , **Tsvetkova, A.E.** et al., *A search for transient events in Konus-Wind data*, International Conference PhysicA.SPb/2019 J. Phys.: Conf. Ser., 1400, 022014 (2019), International Conference PhysicA.SPb/2019; St.Petersburg, Russian Federation; 22–24 October 2019, DOI, ADS.
5. **Tsvetkova, A.E.**, Svinkin, D.S., Frederiks, D.D., *Gravitational lensing probability for the Konus-Wind gamma-ray bursts detected in the triggered mode*, International Conference PhysicA.SPb/2019 J. Phys.: Conf. Ser., 1400, 022043 (2019), International Conference PhysicA.SPb/2019; St.Petersburg, Russian Federation; 22–24 October 2019, DOI, ADS.
6. Ulanov, M.V., Aptekar, R.L., Golenetskii, S.V., . . . , **Tsvetkova,AE**, *Konus-UF and Helicon-I gamma-ray burst experiments*, International Conference PhysicA.SPb/2019 J. Phys.: Conf. Ser., 1400, 022049 (2019), International Conference PhysicA.SPb/2019; St.Petersburg, Russian Federation; 22–24 October 2019, DOI, ADS.
7. **Tsvetkova, A.**, Frederiks, D., Golenetskii, S., et al., *The Konus-Wind catalog of gamma-ray bursts with known redshifts. I. Bursts detected in the triggered mode*, 7th International Fermi Symposium, IFS 2017; Garmisch-Partenkirchen, Germany; 15–20 October 2017, PoS (IFS2017) 064, ADS.
8. Frederiks, D., Svinkin, D., Aptekar, R., . . . , **Tsvetkova, A.**, et al., *Konus-WIND observation of the ultra-luminous GRB 110918A*, Gamma-ray Bursts: 15 Years of GRB Afterglows – Progenitors, Environments and Host Galaxies from the Nearby to the Early Universe, Gamma-ray Bursts: 15 Years of GRB Afterglows, Málaga, Spain, EAS Publications Series, 61, 71 (2013), DOI, ADS.

Proceedings of conferences

1. **Tsvetkova, A.**, Frederiks, D., Svinkin, D. et al., *Konus-Wind Observations of Gamma-Ray Bursts With Known Redshifts*, Proceedings of the Yamada Conference LXXI: Gamma-ray Bursts in the Gravitational Wave Era 2019 (2020), ADS.
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