

Allegato alla domanda di partecipazione
Curriculum formativo, didattico, scientifico e professionale del candidato

Dichiarazione sostitutiva di certificazioni

(Art. 46, D.P.R. 28 dicembre 2000 n. 445)

Dichiarazione sostitutiva dell'atto di notorietà

(da sottoscrivere davanti all'impiegato addetto o da presentare o spedire con la fotocopia di un documento di identità)

(Art. 47, D.P.R. 28 dicembre 2000 n. 445)

Estremi del bando di selezione	Cod. 6A-22, D.R. 11.02.2022 n.159, pubblicato in data 16.02.2022
Informazioni aggiornate al	25/04/2022
Nome e Cognome	Anastasia Tsvetkova
Data di nascita	23.10.1985

Si raccomanda di indicare con precisione tutti gli elementi valutabili ai sensi del bando di selezione (aggiungere o togliere righe secondo necessità).

Esperienza professionale

Periodo	Ente	Principali attività e responsabilità
01.01.2022– 30.04.2022	Ioffe Institute, St. Petersburg, Russia	Studying the observed Gamma-ray burst (GRB) properties with the Konus-Wind (KW) γ -ray spectrometer; mentoring students.
01.10.2020– 31.12.2021	Max Planck Institute for Extraterrestrial Physics, Garching bei Munchen, Germany	Joint spectral analysis of the data acquired in different γ -ray experiments (KW, Swift-BAT, Fermi -GBM); modeling the GRB light curves.
01.07.2008– 30.09.2022	Ioffe Institute, St. Petersburg, Russia	Carrying out spectral analysis for publishing the GCN circulars based on the KW data; examining the cosmological properties of GRBs with known redshifts; writing KW data processing pipelines; performing spectral analysis of the KW/joint data by request.

Istruzione, formazione (es. titoli di studio, certificazioni professionali/linguistiche/informatiche)

Data	Titolo / Principali tematiche	Ente
01.09.2014– 05.06.2018	Doctor of Philosophy Major: Astrophysics and Astronomy (Thesis: Konus-Wind observations of gamma-ray bursts with known redshifts)	Ioffe Institute, St. Petersburg, Russia
01.09.2006– 31.12.2008	Master of Science (Thesis: Gravitational lensing of gamma-ray bursts)	Peter the Great St. Petersburg Polytechnic University
01.09.2002– 30.06.2006	Bachelor of Science (Thesis: Ionization losses of protons and alpha-particles in the Earth's atmosphere)	Peter the Great St. Petersburg Polytechnic University

Pubblicazioni / Convegni

Svinkin, D., Hurley, K., Ridnaia, A., . . . , Tsvetkova, A., et al., The Second Catalog of Interplanetary Network Localizations of Konus Short Gamma-Ray Bursts, <i>ApJS</i> 259 34 (2022), DOI: https://doi.org/10.3847/1538-4365/ac4607
Ahumada, T, Singer, L. P., Anand, S., . . . , Tsvetkova, A. et al., Discovery and confirmation of the shortest gamma-ray burst from a collapsar, <i>Nat. Astron.</i> , 1 (2021), DOI: https://doi.org/10.1038/s41550-021-01428-7
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, <i>ApJ</i> , 908, 83 (2021), DOI: https://doi.org/10.3847/1538-4357/abd569
Svinkin, D., Frederiks, D., Hurley, K., . . . , Tsvetkova, A. et al., A bright gamma-ray flare interpreted as a giant magnetar flare in NGC 253, <i>Nature</i> , 589, 211 (2021), DOI: https://doi.org/10.1038/s41586-020-03076-9
Ridnaia, A., Svinkin, D., Frederiks, D., . . . , Tsvetkova, A. et al., A peculiar hard X-ray counterpart of a Galactic fast radio burst, <i>Nat. Astron.</i> , 5, 372 (2021), DOI: https://doi.org/10.1038/s41550-020-01265-0
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, <i>ApJ</i> , 904, 133 (2020), DOI: https://doi.org/10.3847/1538-4357/abc2d4
Lysenko, A. L., Frederiks, D. D., Fleishman, G. D., . . . , Tsvetkova, A., et al., X-ray and gamma-ray emission from solar flares, <i>Phys. Usp.</i> , 63, 818 (2020), DOI: https://doi.org/10.3367/UFNe.2019.06.038757
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, <i>Phys. Usp.</i> , 62, 8 (2019), DOI: https://doi.org/10.3367/UFNe.2018.11.038488
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, <i>ApJ</i> , 871, 121 (2019), DOI: https://doi.org/10.3847/1538-4357/aaf645
D'Elia, V., Campana, S., D'Elia, A., . . . , A. E. Tsvetkova, GRB 171205A/SN 2017iuk: A local low-luminosity gamma-ray burst, <i>A&A</i> , 619, A66 (2018), DOI: https://doi.org/10.1051/0004-6361/201833847
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, <i>ApJ</i> , 850, 161, (2017), DOI: https://doi.org/10.3847/1538-4357/aa96af
Abbott, B. P., Abbott, R., Abbott, T. D., . . . , Tsvetkova, A. E., et al., Multi-messenger Observations of a Binary Neutron Star Merger, <i>ApJL</i> , 848, L12 (2017), DOI: https://doi.org/10.3847/2041-8213/aa91c9
Atteia, J.-L., Heussaff, V., Dezalay, J.-P., . . . , Tsvetkova, A. E., et al., The Maximum Isotropic Energy of Gamma-ray Bursts, <i>ApJ</i> , 837, 119 (2017), DOI: https://doi.org/10.3847/1538-4357/aa5ffa
Kuznetsov, V. D., Zelenyi, L. M., Zimovets, I. V., . . . , Tsvetkova, A., et al., The Sun and heliosphere explorer - the Interhelioprobe mission, <i>Ge&Ae</i> , 56, 781 (2016), DOI: https://doi.org/10.1134/S0016793216070124
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, <i>MNRAS</i> , 460, 2008 (2016), DOI: https://doi.org/10.1093/mnras/stw1109
Svinkin, D. S., Frederiks, D. D., Aptekar, R. L., . . . , Tsvetkova, A. E., et al., The Second Konus-Wind Catalog of Short Gamma-Ray Bursts, <i>ApJS</i> , 224, 10 (2016), DOI: https://doi.org/10.3847/0067-0049/224/1/10
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: https://doi.org/10.1093/mnras/stv2228
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: https://doi.org/10.1134/S0016793214080027
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: https://doi.org/10.1134/S0016793214070093
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: https://doi.org/10.1134/S0016793214070093
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: https://doi.org/10.1093/mnras/stu999
Frederiks, D. D., Hurley, K., Svinkin, D. S., . . . , Tsvetkova, A. E., et al., The Ultraluminous GRB 110918A, ApJ, 779, 151 (2013), DOI: https://doi.org/10.1088/0004-637X/779/2/151
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: https://doi.org/10.1134/S002136401220012X

Altre attività scientifiche

16 talks given in conferences
Participation in two schools on Astrophysics
Co-investigator in six grants

Ulteriori informazioni pertinenti

On-line courses on machine learning from Stanford University/ DeepLearning.AI
Organization of conferences and seminars

Luogo, data e firma

San Pietroburgo

25.04.2022

(sottoscritto con firma digitale)