

MAKSAT SATYBALDIEV

ASTROPHYSICIST
MOSCOW INSTITUTE OF PHYSICS AND TECHNOLOGY (MIPT)
SPACE RESEARCH INSTITUTE (IKI)

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EXPERIENCE

2020 to present **Research Assistant** | Space Research Institute of the Russian Academy of Sciences (IKI)
Laboratory of Fundamental and Applied X-ray Astrophysics

EDUCATION

2021 to 2023 **M.S. Applied Mathematics and Physics**
Moscow Institute of Physics and Technology, Russia
GPA: 4.84/5.00 (3.76/4.00 U.S.scale)
General Astrophysics, General Relativity, Experimental Methods in Astrophysics
Thesis advised by Mereminskiy I. A. "Study of X-ray flares from wind-fed X-ray Binaries"
(preliminary)

2017 to 2021 **B.S. Applied Mathematics and Physics**
Moscow Institute of Physics and Technology, Russia
GPA: 4.48/5.00 (3.46/4.00 U.S.scale)
General Physics, Calculus, Linear Algebra, Theoretical Physics, PDE, Numerical
Methods
Thesis advised by Mereminskiy I. A. "Periodic activity of X-ray bursters"

PUBLICATIONS

March 2023
(expected) **Satybaldiev M.N.**, Mereminskiy I.A., Lutovinov A.A., Semena A.N., Shtykovsky
A.E. "Spectral and temporal analysis of SRG/ART-XC observation of Supergiant
Fast X-ray Transient IGR 16195-4945" (will be submitted to Astronomy Letters)

CONFERENCES, WORKSHOPS, SEMINARS & EXTRA COURSES

December 2022 **High Energy Astrophysics Today and Tomorrow**, Space Research Institute (IKI)
"Spectral and temporal analysis of SRG/ART-XC observation of Supergiant Fast
X-ray Transient IGR 16195-494" (poster)

November 2022 **High Energy Astrophysics Department Seminar**, Space Research Institute (IKI)
"Spectral and timing analysis of SRG/ART-XC observation of Supergiant Fast X-ray
Transient IGR 16195-494" (talk)

June 2022 **Code/Astro Workshop**, Caltech
Software Engineering Workshop for Astronomy (participant)

April 2022 **XIX Young Scientists Conference**, Space Research Institute (IKI)
"SRG/ART-XC observation and analysis of X-ray transient IGR J16195-4945"
Satybaldiev M. N., Mereminskiy I. A. (talk)

<i>April 2021</i>	XVIII Young Scientists Conference , Space Research Institute (IKI) "Periodic activity of X-ray bursters" Satybaldiev M. N. , Mereminskiy I. A. (talk)
<i>August 2020</i>	Data-driven Astronomy , Coursera Python, SQL, Machine Learning applied to Astronomy

TECHNICAL EXPERIENCE

<i>Professional Telescope Experience</i>	SRG/ART-XC, Swift/BAT, Swift/XRT, NuSTAR, NICER, RXTE Extracting and using spectral and time data.
<i>Computing skills</i>	Programming: Python, C Utilities: Astropy, Git, Numpy, Stingray, XSPEC, DS9 Presentation: L ^A T _E X, Matplotlib, Adobe Photoshop OS: macOS, Linux, Windows

TEACHING

<i>Fall 2022</i>	Teaching Assistant of Space Physics Department introductory course for sophomore students Moscow Institute of Physics and Technology
<i>January 2020</i>	Intensive course in Olympiad-level Physics for high school students School-Lyceum #61, Bishkek, Kyrgyzstan

OTHER INFORMATION

<i>Biographical Information</i>	Citizenship: Kyrgyz Republic (Kyrgyzstan) Spoken Languages: Kyrgyz (native), Russian (native), English (advanced, IELTS score 7), French (basic) Birth: 30 September 1999 in Bishkek, Kyrgyzstan
<i>Social Activities</i>	Scientific Olympiad Organizer Organization of scientific olympiads for high school students (2017-2021) Election Observer 2020 Kyrgyz parliamentary election

This CV was last updated on February 19, 2023.