

MAKSAT SATYBALDIEV

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

maksatsatybaldiev@gmail.com
<https://maksatsat.github.io>

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. "Spectral and temporal analysis of hard X-ray flares from wind-fed Supergiant 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

Winter 2022-2023 **Satybaldiev M.N., Mereminskiy I.A.** "Spectral and timing analysis of SRG/ART-XC observation of Supergiant Fast X-ray Transient IGR 16195-4945" (will be submitted soon to Astronomy Letters)

CONFERENCES, WORKSHOPS, SEMINARS & EXTRA COURSES

December 2022 **High Energy Astrophysics Today and Tomorrow**, Space Research Institute (IKI)
"Spectral and timing 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)

April 2021 **XVIII Young Scientists Conference**, Space Research Institute (IKI)
 "Periodic activity of X-ray bursters"
Satybaldiev M. N., Mereminskiy I. A. (talk)

August 2020 **Data-driven Astronomy**, Coursera
 Python, SQL, Machine Learning applied to Astronomy

TECHNICAL EXPERIENCE

Professional Telescope Experience **SRG/ART-XC, Swift/BAT, Swift/XRT, NuSTAR, NICER, RXTE**
 Extracting and using spectral and time data.

Computing skills **Programming:** Python, C
Utilities: Astropy, Git, Numpy, Stingray, XSPEC, DS9
Presentation: L^AT_EX, Matplotlib, Adobe Photoshop
OS: macOS, Linux, Windows

TEACHING

Fall 2022 **Teaching Assistant of Space Physics Department introductory course for sophomore students**
 Moscow Institute of Physics and Technology

January 2020 **Intensive course in Olympiad-level Physics for high school students**
 School-Lyceum #61, Bishkek, Kyrgyzstan

OTHER INFORMATION

Biographical Information **Citizenship:** Kyrgyz Republic (Kyrgyzstan)

Spoken Languages: Kyrgyz (native), Russian (native), English (advanced, IELTS score 7), French (basic)

Birth: 30 September 1999 in Bishkek, Kyrgyzstan

Social Activities **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 December 14, 2022.