

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: 4.88/5.00 (3.94/4.00 U.S.scale)
Thesis advised by I. A. Mereminskiy "Study of X-ray flares from the wind-fed X-ray Binaries"

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)
Thesis advised by I. A. Mereminskiy "Periodic activity of the X-ray bursters"

PUBLICATIONS

March 2023 **M. N. Satybaldiev**, I. A. Mereminskiy, A. A. Lutovinov, D. I. Karasev, A. N. Semena,
A. E. Shtykovsky, "Spectral and temporal analysis of the SRG/ART-XC observation
of the Supergiant Fast X-ray Transient IGR 16195-4945", *AstL*, 49 (2023)

AWARDS & SCHOLARSHIPS

April 2023 **Best presentation award winner**, 65th MIPT Conference

Spring 2023 **Scholarship** for excellent academic achievements, MIPT

2017 *to* 2023 **State Academic Scholarship** for bachelor and master students at MIPT

CONFERENCES, WORKSHOPS, SEMINARS & EXTRA COURSES

July 2023 **Physics of Neutron Stars**, St. Petersburg

April 2023 **XX Young Scientists Conference**, Space Research Institute (IKI)
"Flares from the wind-fed X-ray binaries with red and blue supergiants"
M. N. Satybaldiev, I. A. Mereminskiy (talk)

<i>April 2023</i>	65th MIPT All-Russian Scientific Conference in honor of the 115th anniversary of L.D. Landau , Moscow Institute of Physics and Technology "Flares from the wind-fed X-ray binaries with red and blue supergiants" M. N. Satybaldiev , I. A. Mereminskiy (talk)
<i>December 2022</i>	High Energy Astrophysics Today and Tomorrow , Space Research Institute (IKI) "Spectral and temporal analysis of the SRG/ART-XC observation of the Supergiant Fast X-ray Transient IGR 16195-494" (poster)
<i>November 2022</i>	High Energy Astrophysics Department Seminar , Space Research Institute (IKI) "Spectral and timing analysis of the SRG/ART-XC observation of the Supergiant Fast X-ray Transient IGR 16195-494" (talk)
<i>June 2022</i>	Code/Astro Workshop , Caltech Software Engineering Workshop for Astronomy (participant)
<i>April 2022</i>	XIX Young Scientists Conference , Space Research Institute (IKI) "SRG/ART-XC observation and analysis of the X-ray transient IGR J16195-4945" M. N. Satybaldiev , I. A. Mereminskiy (talk)
<i>April 2021</i>	XVIII Young Scientists Conference , Space Research Institute (IKI) "Periodic activity of the X-ray bursters" M. N. Satybaldiev , I. A. Mereminskiy (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 , 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, 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 June 4, 2023.