

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)
Timing and spectral analysis of transient X-ray sources

EDUCATION

2021 to 2023 **M.S. Applied Mathematics and Physics**
Moscow Institute of Physics and Technology, Russia
General Astrophysics, General Relativity, Experimental Methods in Astrophysics,
Advisor: Mereminskiy I. A.

2017 to 2021 **B.S. Applied Mathematics and Physics**
Moscow Institute of Physics and Technology, Russia
General Physics, Calculus, Linear Algebra, Theoretical Physics, PDE, Numerical Methods
Thesis advised by Mereminskiy I. A. "Periodic activity of X-ray bursters"

CONFERENCES, WORKSHOPS & EXTRA COURSES

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**
Extracting and using spectral and time data.

NICER, RXTE
Extracting and using time data.

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

TEACHING

Fall 2022

Teaching and mentoring for sophomores
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 October 15, 2022.