

Jin BENIYAMA (紅山 仁)

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PERSONAL DATA

- Birth date: 18/05/1996 (26 years old, so-called *around thirty* in Japanese English)
- Languages: Japanese – native, English – proficient, Spanish – intermediate

PERSONAL STATEMENT

A dedicated Ph.D. student in astronomy. The discovery of Near-Earth Objects (NEO), the characterizations (light curves and colors) of NEOs with medium telescopes such as the 1.0 m Kiso Schmidt telescope and 3.8 m Seimei telescope, and the campaign observations of a peculiar NEO (3200) Phaethon. Spend more than 10 hours a week for observations. Discovered 40 tiny (mean $D \sim 20$ m) NEOs with Tomo-e Gozen camera. Familiar with Python and machine learning. To be an astronomer and/or an astronaut in the future.

EDUCATION

- Master in Astronomy

Apr 2019 – Mar 2021, The University of Tokyo, Japan

Dissertation title :

“Development of the moving object processing system and follow up observations of tiny near-Earth objects with the Kiso Schmidt telescope and the Tomo-e Gozen camera”

- Bachelor in Astronomy and Geophysics Astronomy

Apr 2015 – Mar 2019, Tohoku University, Japan

TEACHING

- Teaching assistant, The University of Tokyo, 2020, 2021
- Research assistant, The University of Tokyo, 2021

PUBLICATIONS

- [3] *Beniyama et al.*, 2022, Video Observations of Tiny Near-Earth Objects with Tomo-e Gozen, Publications of the Astronomical Society of Japan, accepted
- [2] Yohei Nishino, Mariko Kimura, Shigeyuki Sako, *Jin Beniyama*, ..., 2022, Detection of highly correlated optical and X-ray variations in SS Cygni with Tomo-e Gozen and NICER, Publications of the Astronomical Society of Japan, psac027
- [1] Ji-an Jiang, Keiichi Maeda, ..., *Jin Beniyama*, ..., 2021, Discovery of the Fastest Early Optical Emission from Overluminous SN Ia 2020hvf: A Thermonuclear Explosion within a Dense Circumstellar Environment, The Astrophysical Journal Letters, 923, L8

HONORS AND AWARDS

- Doctoral Fellowship of The University of Tokyo, *\$1,500/month*, 2021-2023
- Public Trust Iwai Hisao Memorial Tokyo Scholarship Fund, *\$1,000/month*, 2021-2023
- The Japanese Society for Planetary Sciences best presentation award (*1 person/yr*), 2021
- Japan Geoscience Union Outstanding Student Presentation Award (*10% of candidates*), 2021
- Travel Stipend for the 53rd Lunar Planetary and Space Science, Hayakawa fund of The Astronomical Society of Japan, Tokyo, *\$4700*, 2022

PROFESSIONAL MEMBERSHIPS

- The Astronomical Society of Japan (ASJ)
- The Japanese Society for Planetary Sciences (JSPS)
- Japan Geoscience Union (JpGU)