CURRICULUM VITAE

Sakiko Obuchi

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EDUCATION

M.S. in Physics, Waseda University, Japan (advisor: Kohei Ichikawa) Apr.2025–
B.S. in Physics, Waseda University, Japan Mar.2025

RESEARCH INTERESTS

- Active galactic nuclei (AGN) – their unification, environment, and the structure
- Supermassive Black Holes – growth and evolution
- Co-evolution of supermassive black holes and their host galaxies
- Searching extremely variable sources using multi-wavelength data

CERTIFICATIONS

First-class teaching certificate for junior/senior high school in Japan (Science) Mar.2025

PUBLICATION LIST

* indicates corresponding author.

[1] *"Discovery of an X-ray Luminous Radio-Loud Quasar at $z = 3.4$: A Possible Transitional Super-Eddington Phase"*
Obuchi, S.,*, Ichikawa, K.*, Yamada, S.,, et al., 2025, ApJ in press., arXiv:2511.05029

PRESS RELEASES

[1]

OBSERVING EXPERIENCE

Subaru (co-I): S25A-040 (MOIRCS, 0.5n, PI: Kohei Ichikawa)

CONFERENCE TALKS

[4] *"Discovery of an X-ray Luminous Radio-Loud Quasar at $z = 3.4$: A Possible Transitional Super-Eddington Phase"*
ALMA Workshop 2025, Ishikawa, Japan Nov.2025

[3] *"MOIRCS confirmation of super-Eddington accretion in an extremely X-ray loud radio quasar at $z = 3.4$ in the eROSITA/eFEDS field"*
Subaru Users Meeting, NAOJ, Japan Oct.2025

[2] *"eROSITA Detected Radio Quasar Possibly Reaching Super-Eddington Accretion Limit"*
Galaxy-IGM Worpshop 2025, Tochigi, Japan Jul.2025

[1] *"eROSITA Detected Radio Quasar Possibly Reaching Super-Eddington Accretion Limit"*
ASJ Annual Meeting 2024b, Kwansei Gakuin University, Japan Sep.2024

POSTER PRESENTATIONS

[2] *"eROSITA Detected Super-Eddington Radio Quasar With A Soft X-ray Excess"*
ASJ Annual Meeting 2025b, Yamaguchi, Japan Sep.2025
[1] *"eROSITA Detected Radio Quasar at $z = 3.4$ Reaching Super-Eddington Accretion Limit"*
Galaxy Evolution Workshop, Nagoya University, Japan Aug.2025