

The environmental impacts on the Mass-Metallicity relation at $z=1.52$.

S. V. Namiki¹, Y. Koyama², M. Hayashi³, K. Tadaki³, N. Kashikawa⁴, I. Tanaka², M. Onodera², R. Shimakawa², T. Kodama⁵

1. SOKENDAI (GUAS) 2. Subaru telescope, NAOJ 3. NAOJ 4. University of Tokyo 5. Tohoku University

- NIR spectroscopy with Subaru/MOIRCS and LBT/LUCI.
- We determined redshifts for 39 galaxies in cluster region at $z=1.52$.
- Two filamentary/sheet-like structures crossing at center region ($z=1.52$)?
- Mean metallicity of less massive cluster member is higher than field one.
- It may implicate the effect of metal recycling or enriched IGM/Inflow?

