

Do Dwarf Galaxies Have Stellar Halos? – A Case Study in IC 1613

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Introduction

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- IC 1613 an isolated dwarf irregular galaxy, at a distance of ~ 725 kpc from the Milky Way; M_* ~ 10⁸ M_{\odot} ; r_h ~ 4.8' ~ 1.01 kpc.
- Subaru/Hyper Suprime-Cam observes to ~8.5 kpc from the center of the galaxy.

Motivation -- Search for evidence/extent of a stellar halo from the hierarchical assembly of IC 1613.

