

FIR Size and Morphology of High-z Star-forming Galaxies:

Compact Dusty Disk Embedded in Stellar Disk Harboring an AGN

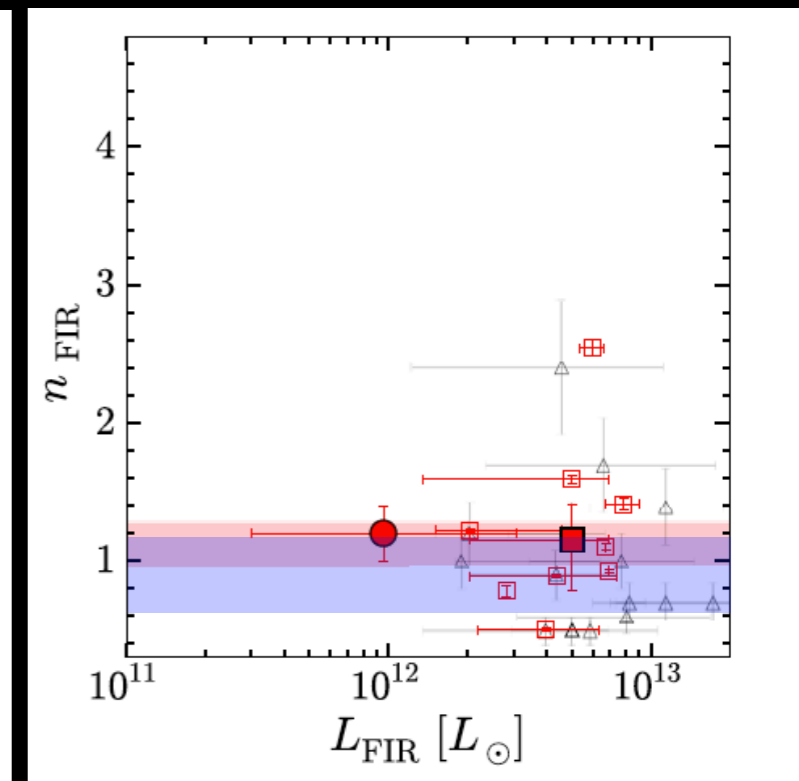
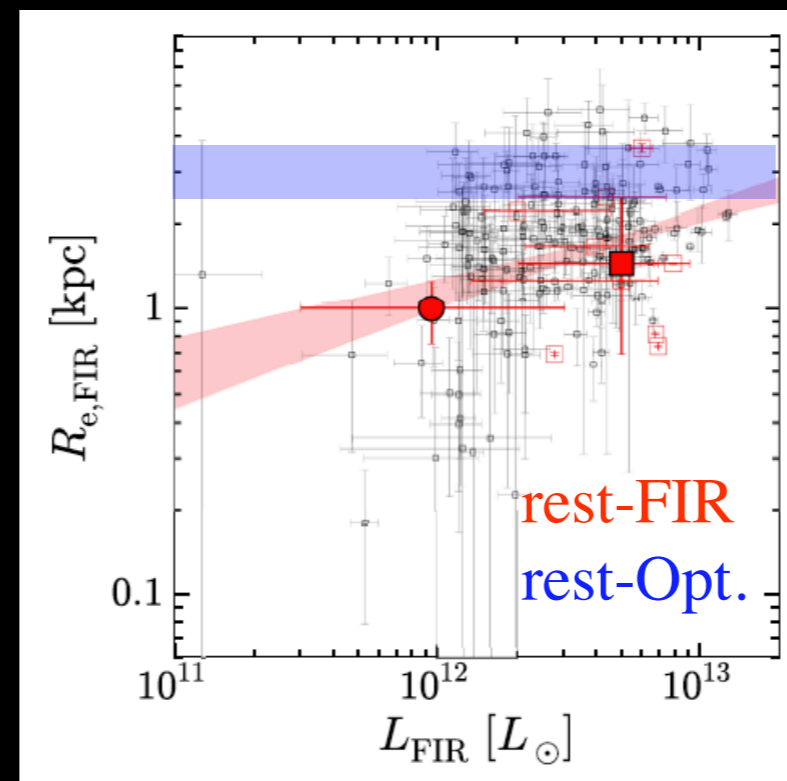
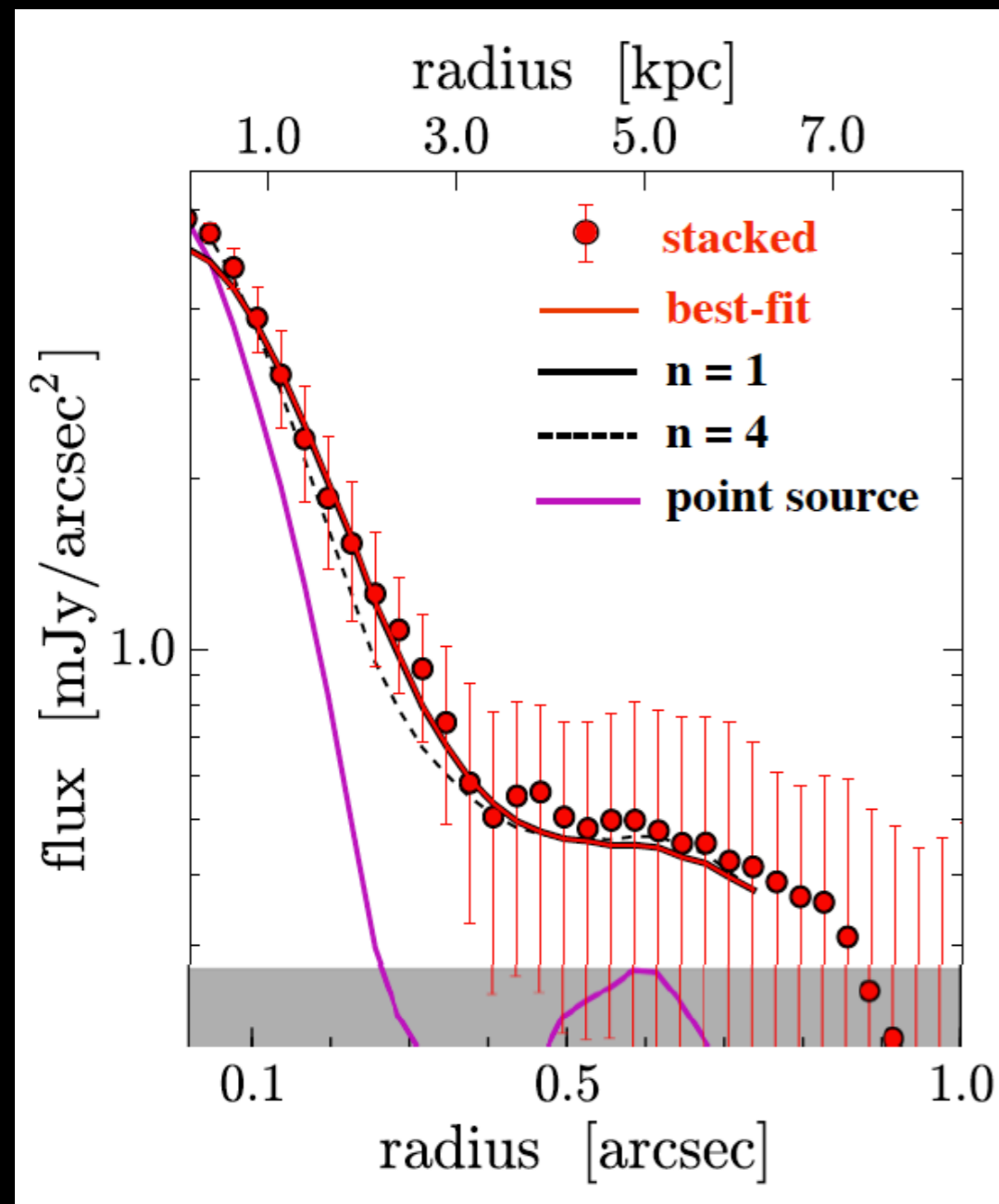
S. Fujimoto, M. Ouchi, K. Kohno, Y. Yamaguchi, and et al.

Fujimoto et al. 2017, ApJ, 850, 83; Fujimoto et al. 2018, ApJ in press

- Radial profile -

- Effective radius -

- Sersic Index n -



- **FIR Size - Luminosity relation**
- **$R_{e, \text{FIR}} < R_{e, \text{opt}}$, $n_{\text{opt}} \sim n_{\text{FIR}} \sim 1$**
- **AGN contribution from center**