

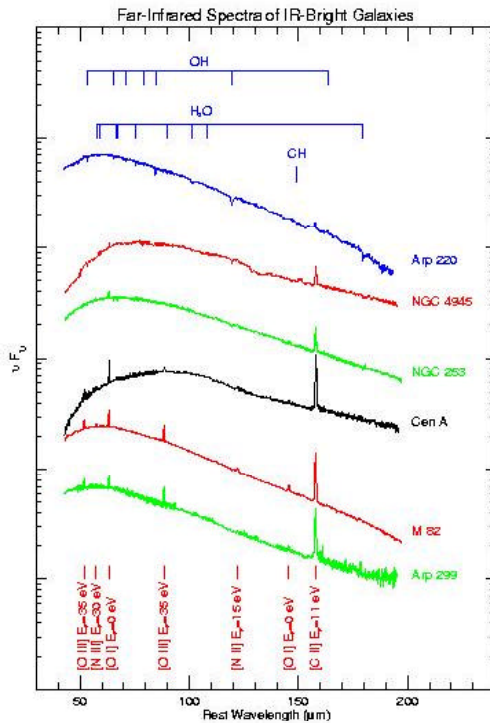
# Star Formation Rates from [C II] 158 $\mu\text{m}$

**GOAL:** Calibrate the [C II] 158  $\mu\text{m}$  line as a measure of the SFR by comparing with other tracers ( $\text{H}\alpha$ , UV, IR cont.). Do it against variations in the properties of the ISM; all with spatial resolution.

**SAMPLE:** 49 galaxies from the *Herschel* Galaxy Reference Survey with GALEX UV + MIPS +  $\text{H}\alpha$  + drift-scanning + IFU

**STRATEGY:** 168 h of [C II] 158  $\mu\text{m}$  PACS IFU line mapping + 21 h of 110+170  $\mu\text{m}$  PACS IP imaging

A. Gil de Paz, P.G. Pérez-González (UCM, Spain), D. Dale (Wyoming), A. Boselli, S. Boissier (LAM), B.F. Madore (Carnegie), J. Gallego, J. Zamorano, A. Castillo-Morales (UCM), S. Charlot (IAP), G. Rieke, K. Gordon (Arizona), M. Mas-Hesse (LAEFF), J. Cepa (IAC) ...



Fischer et al. (1999)

