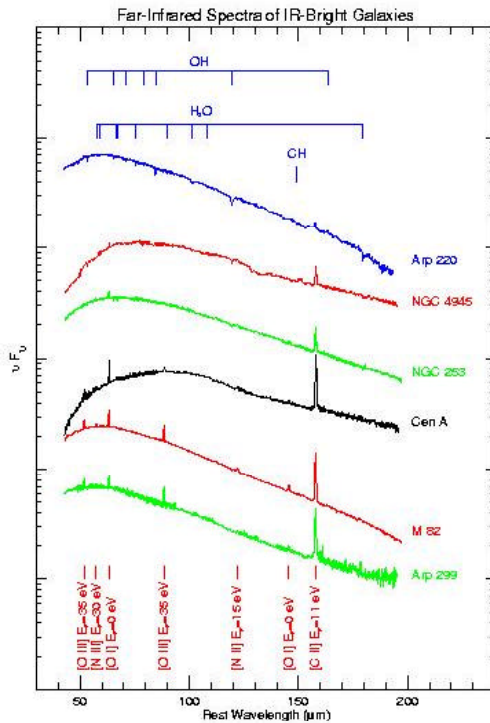


Star Formation Rates from [C II] 158 μm

GOAL: Calibrate the [C II] 158 μm 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 μm PACS IFU line mapping + 21 h of 110+170 μm PACS IP imaging



Fischer et al. (1999)

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) ...

