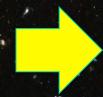
ADVENTURES IN AGN-LAND

Most massive galaxies are formed by z=2, hence rapid star-formation must have occurred before that epoch, plus MBH build-up!



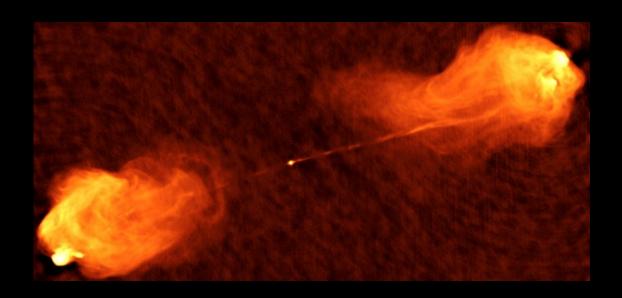
Investigate the starburst – AGN symbiosis in the most massive galaxies, the hosts of radio-loud AGN: subject of several Herschel programs (GT1 and OT1).

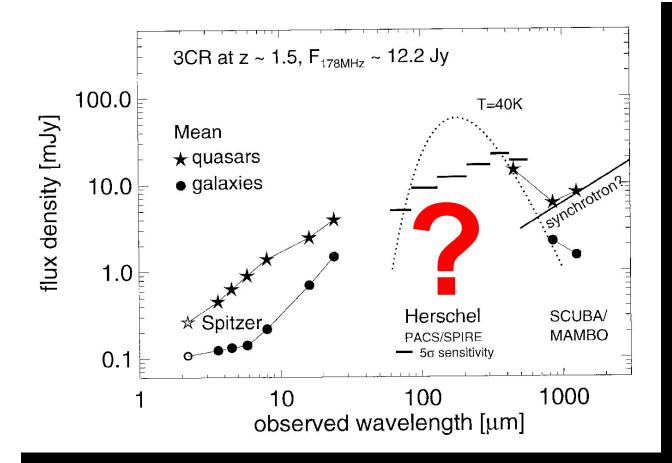
Progress report, by Peter Barthel, with Martin Haas, Christian Leipski, Belinda Wilkes, et al.

In the works:

Herschel 70, 160, 250, 350 and 500µm photometry, of:

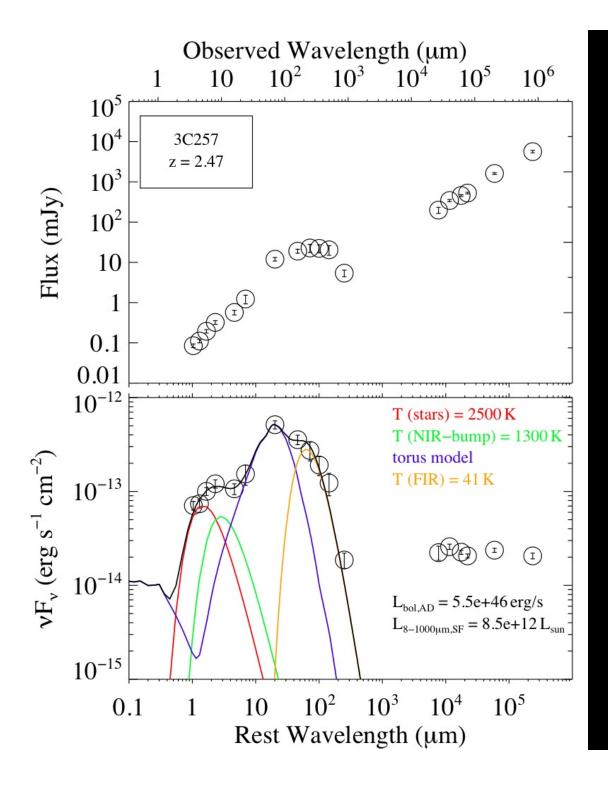
- \triangleright all 3C QSRs and RGs having z > 1 (PDB+)
- \triangleright representative 4C QSRs and RGs, up to z = 3.5 (PDB+)
- > remaining 3C (after Spitzer) having 0.5 < z < 1 (Haas+)
- \triangleright representative 4C, 6C, MRC, .. RGs up to z = 5 (Seymour+)
- Cygnus A, incl. FIR spectroscopy (Edge+)





(Spitzer and SCUBA/MAMBO data are in hand)

Goal of the 3C/4C program, using the PACS and SPIRE instruments: assess the FIR SED properties of radioloud high redshift objects re. the starburst-AGN symbiosis and as unification test



Very first result: prodigious star-formation in several high z 3C radio galaxies.

Following earlier indications of a high SFR, from 850µm and 350µm observations, the Herschel data permit quantification of that SFR.

See AGN and star- formation AT WORK!

