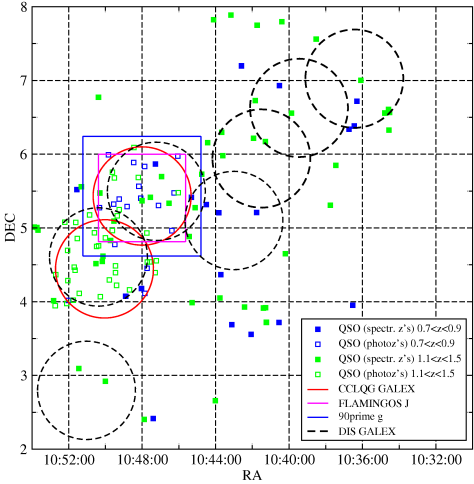




Quasars and Galaxies in Large Quasar Groups at $z \sim 1$

Habertztl, Williger, Lauroesch, Clowes, Campusano, Davé, Valls-Gabaud, Haines, Loveday, Söchting, Graham



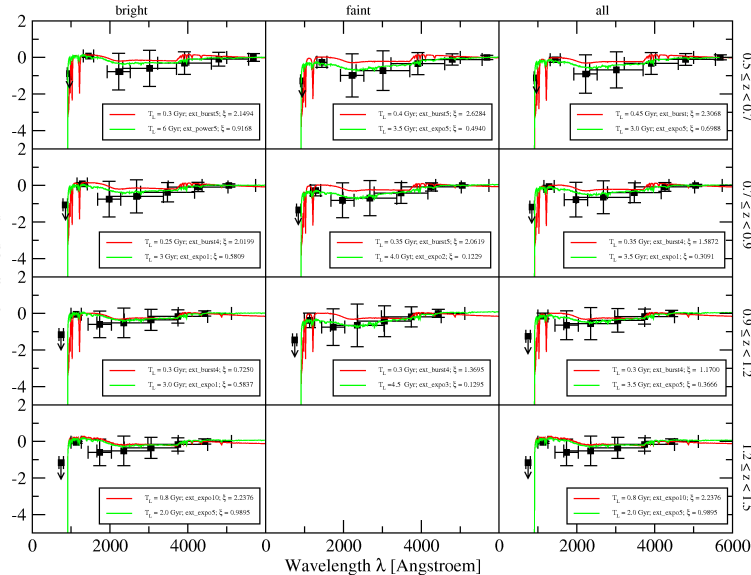
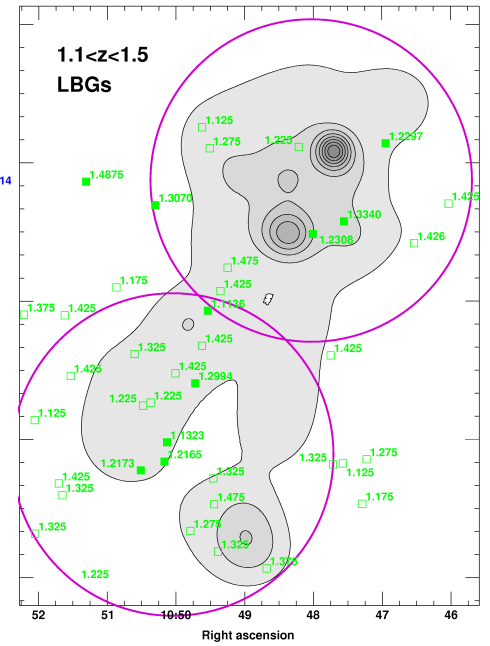
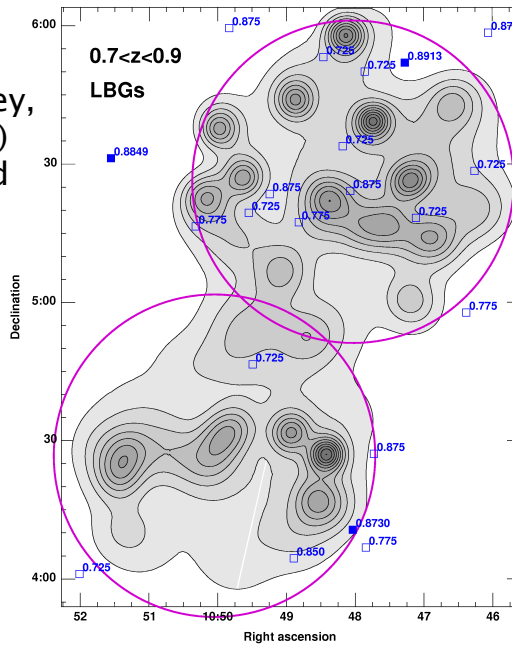
- LQG has 5–20 QSOs over 50–200 Mpc, too large to be virialized, probable relics of large fluctuations
- rare (4σ) structures, $\sim 1/3$ space density of superclusters,
- ~ 500 – 1000 expected “jumbo LQGs” in sky (Pillipenko et al. 2007)

➤ Clowes-Campusano LQG Survey, multi-band project (FUV – NIR) to study one of the largest and richest LQGs at $z \sim 1$

➤ GALEX-selected sample of ~ 1000 $z \sim 1$ LBG candidates in 1×2 deg² + red galaxies

➤ complementary ground based data (SDSS, Bok g, CFHT r+z, FLAMINGOS J+Ks) + proposed

➤ part of GALEX PI DIS (~ 8 deg²)



➤ concentrations of LBGs in proximity to QSOs seen in the density maps

➤ best fitting ages of several Gyr from synthesis evolution models, although young burst scenarios allowed, too

optimum region of the sky to study AGN/QSO feedback mechanisms and high density environmental effects