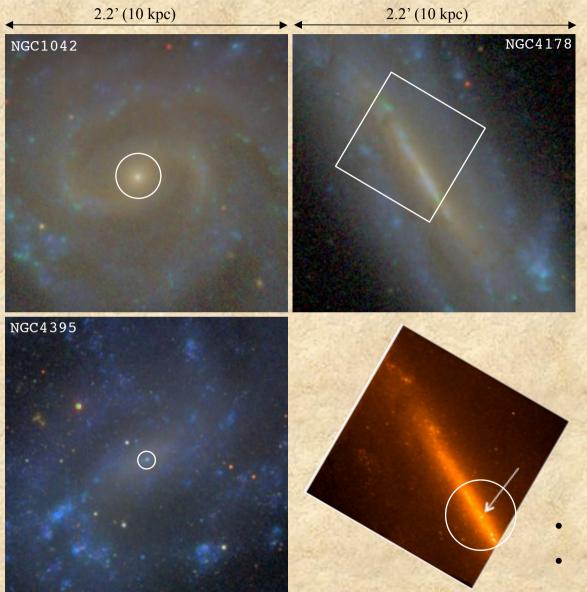
Molecular gas around "mini"-AGN (Poster #4)

Torsten Böker, ESA, Noordwijk, Netherlands

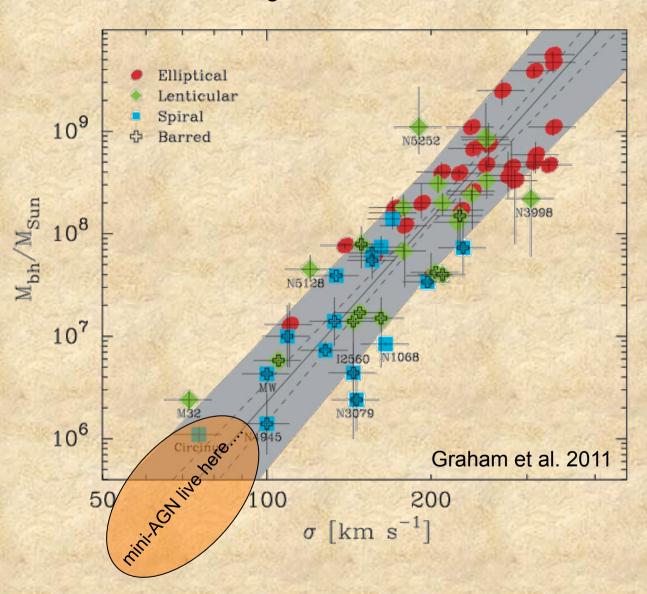


6' (7 kpc)



- are energetically weak
- difficult to identify
- reside in nuclear star clusters

M.-σ Relation



CO Spectra R₂₁ CO Line ratio (1-0)(2-1)NGC1042 3.0 T_B [K] 2.5 4395 1400 |co(1-0) 2.0 <u>→</u> 1042 T_mB [K] пП 1.5 lco(2-1) 1.0 0.02 0.5 -0.01

may open a new method to search for mini-AGN
in bulgeless disks which are very difficult to detect otherwise

400

Velocity [km/s]

 $I_{CO(1-0)}[K \text{ km/s}]$

- for details, see A&A 2011, 534, 12

100

700

Velocity [km/s]