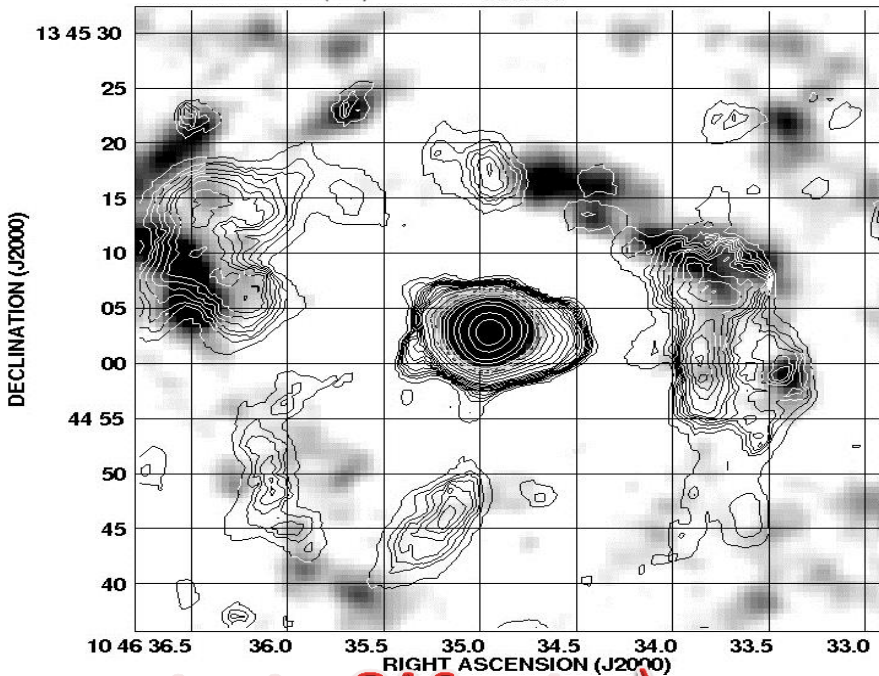
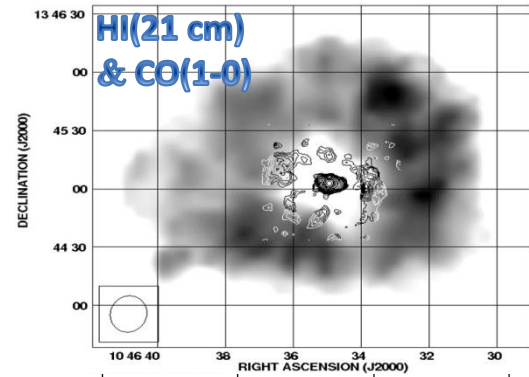
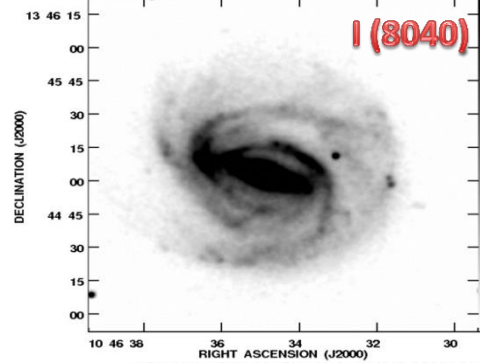


NGC 3367

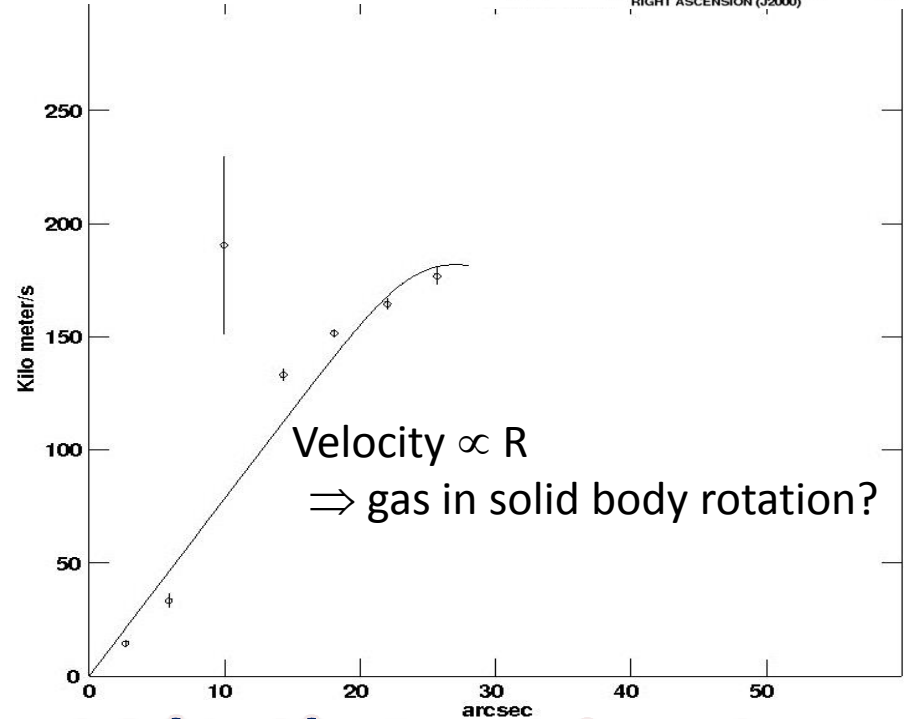
SBc @ 43.6 Mpc

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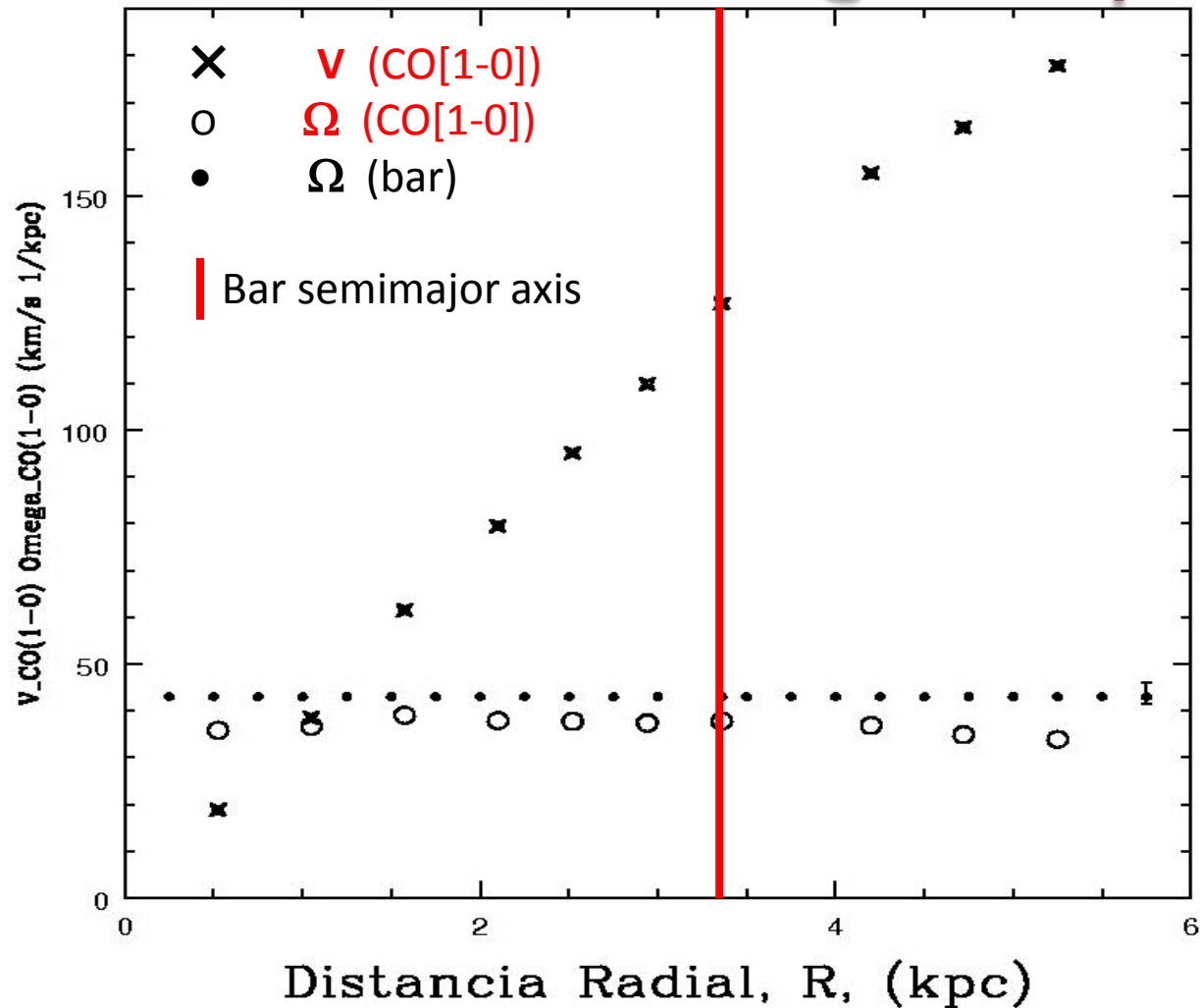
Molecular GAS CO(1-0) [contours]

STARS optical U [grey scale]



CO(1-0): Rotation Curve

NGC 3367 SBc @ 43.6 Mpc



In Resonance theory:

ILR $\Omega_{bar} = \Omega_{gas} - \frac{\kappa}{2}$

CR $\Omega_{bar} = \Omega_{gas}$

OLR $\Omega_{bar} = \Omega_{gas} + \frac{\kappa}{2}$

Shocks on the leading edge of the bar... \Rightarrow ...gas is accreted into the nucleus...

However, a simple fit for $0 \leq R \leq 3.4$ kpc :

$$\Omega_{CO(1-0)} \approx \Omega_{bar}$$

... there is $\sim 4 \times 10^9 M_{Sun}$ in the center...feeding the active black hole which drives a synchrotron bipolar outflow

\Rightarrow other accreting mechanism?
swallow of a gas rich small galaxy?