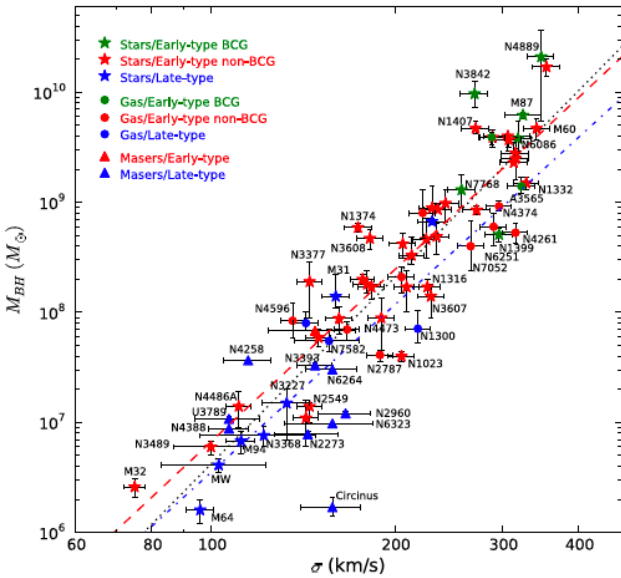


# ALMA High-res observations towards the central regions of nearby galaxies



Co-evolution of galaxy and black holes

McConnell & Ma 2013

Feeding / Feedback process should be seen with cold gas

Simoes Lopes et al. 2007

Cold gas flows gradually became detectable at <100pc resolution

van de Ven & Fathi 2010, Combes et al. 2014, Repetto et al. 2017, etc.

Our ALMA CO(2-1) image show non-circular motions which is not seen with ionized gas (e.g., H $\alpha$ ; Repetto+17).

