



Active Galactic Nuclei and ALMA, Françoise Combes

Active Galactic Nuclei (AGN) are powered by super-massive black holes, fuelled by gas from their host galaxies. The gas inflows directly fuelling AGN are now traceable with current high-resolution observations with the ALMA (Atacama Large Millimeter/submillimeter Array) radiotelescope. While at 100pc (parsec) scale, the gas is sometimes stalled in nuclear rings, recent observations reaching ~ 10 pc scale (or 50 milliseconds of arc), reveal nuclear spiral arms, driving the gas into molecular tori.