
Feeding active galactic nuclei: An ALMA/PdBI/NOEMA perspective of NUGA

Melanie Krips*¹

¹Institut de RadioAstronomie Millimétrique (IRAM) – CNRS : UPS2074 – 300 rue de la Piscine,
Domaine Universitaire 38406 Saint Martin d’Hères, France

Résumé

The exact physical mechanisms of feeding active nuclei, i.e., the transport of (molecular) gas from the outer edges of a galaxy into the vicinity of a central supermassive black hole, are a longstanding unresolved enigma. The NU(clei) of GA(laxy) project has started to shed some light onto the underlying physical processes, by analysing high angular resolution, high sensitivity observations of the molecular gas in a statistically significant sample of nearby active galaxies with the IRAM PdBI and recently also with ALMA. In this presentation, a summary of the so far obtained results will be given as well as an outlook on future possibilities with ALMA and NOEMA.

*Intervenant