

# Resolving the ionised outflows in GATOS Seyfert galaxies with GTC/MEGARA.

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## Abstract

Active galactic nuclei (AGNs) play a crucial role in galaxy evolution, as their feedback has been proposed to shape some galaxy properties (for instance, the galaxy luminosity functions). Ionised outflows and their feedback effects have been routinely studied in powerful AGNs, but are less explored for Seyfert galaxies. The abundance of the latter in the local universe gives us the opportunity to investigate the phenomenon with more physical detail. In particular, optical integral-field unit (IFU) observations (covering the most prominent nebular lines: [O III], H $\beta$ , [O I], H $\alpha$ , [N II] and [S II]) of nearby Seyfert galaxies are ideal to identify ionised outflows and derive their properties. IFU observations also provide spatially-resolved information about the main ionisation mechanisms, including, AGN, shocks, and/or star formation, in the nuclear and circumnuclear regions. In this contribution, we present GTC/MEGARA results obtained for six nearby Seyfert galaxies belonging to the Galactic Activity, Torus, and Outflow Survey (GATOS).