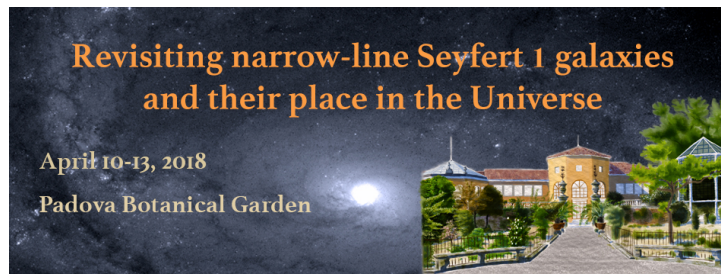


Revisiting narrow-line Seyfert 1 galaxies and their place in the Universe



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What is in a radio loud NLS1?

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In many of radio loud NLS1 galaxies has been found evidence of disturbed host morphology, in some cases hinting for merger processes, that are putative sources of gas replenishment. We have been investigating the less known radio loud NLS1 population, in the relatively nearby Universe ($z < 1$), that have flat radio spectrum, assumed to be the manifestation of the presence of a radio jet. In a fraction of the objects the infrared emission is well fitted by a combination of an AGN component and an “active” host galaxy component like M82, the estimate SFR being in the LIRG/ULIRG range (10-500 Msolar/yr). In order to better characterise that component we have been investing the submillimetre emission of these sources, something that has never been tested at our knowledge, using APEX. Here we present the results concerning a pilot sample of 3 representative objects.

Motivation

Grant

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