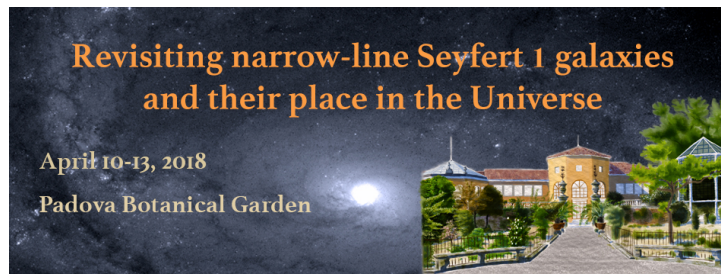


## Revisiting narrow-line Seyfert 1 galaxies and their place in the Universe



Contribution ID: 52

Type: **Talk**

## Kpc-scale radio-jets in narrow-line Seyfert 1 galaxies

*Wednesday, 11 April 2018 17:20 (20 minutes)*

Narrow line Seyfert 1 galaxies (NLS1s) are a subclass of active galactic nuclei (AGN) that show broad permitted optical emission lines of widths relatively narrower ( $\text{FWHM} < 2000 \text{ km s}^{-1}$ ) than that are usually seen in normal AGN. In general, NLS1s are believed to be radio-quiet and possess smaller super-massive black holes with higher accretion rates. Contrary to the conventional paradigm we discover several new NLS1s with kpc-scale jet-lobe radio structures. The discovery of these rare AGN allows us to probe the jet production in hitherto unexplored parameter space of black hole mass and accretion rate. In this talk I shall discuss the jet production efficiency in NLS1s.

### Motivation

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### Grant

yes

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