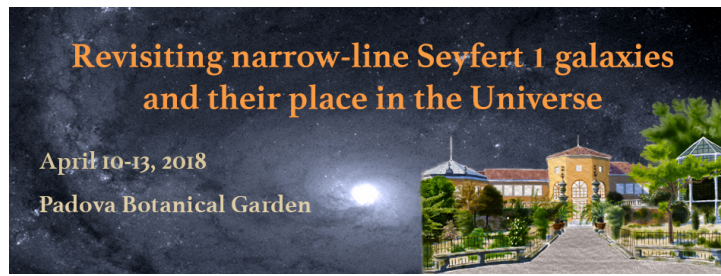


Revisiting narrow-line Seyfert 1 galaxies and their place in the Universe



Contribution ID: 20

Type: **Talk**

The JVLA view of NLS1

Wednesday, 11 April 2018 16:40 (20 minutes)

I will present the results of the largest radio survey to date dedicated to narrow-line Seyfert 1 galaxies (NLS1). We observed 72 objects with JVLA in A-configuration, obtaining high-resolution maps with unprecedented sensitivity. The sample includes both formally radio-quiet and radio-loud NLS1s, confirming a substantial morphological difference between these two classes at fixed flux sensitivity. Furthermore, I will show how, unlike classical blazars, flat-spectrum radio-loud NLS1s do not show strong diffuse emission, suggesting that NLS1s have underdeveloped radio lobes, possibly because of their young age. Finally, I will discuss these results in the frame of an orientation-based unification of young radio-loud AGN.

Motivation

Grant

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