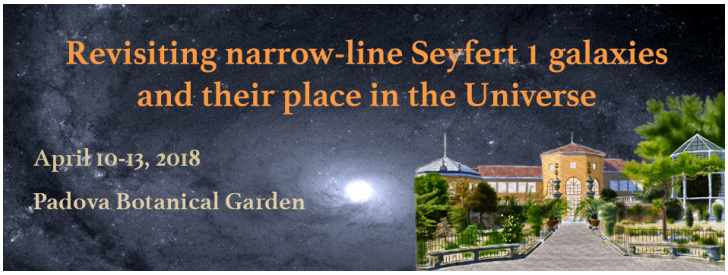

Contribution ID: **63** Type: **Talk**

Narrow Line Seyfert 1s in the IBISCO Sample

Thursday, 12 April 2018 15:30 (20 minutes)

I will present the broad-band soft and hard X-ray spectral analysis of 8 Narrow Line Seyfert 1 galaxies extracted from the IBISCO Sample. The study also focuses on the properties of the NLS1 in our sample in relation to those of the IBISCO parent Seyfert population. The IBISCO sample comprises 57 AGN selected from the INTEGRAL IBIS AGN catalogue (in the 20-100 keV band), with z<0.05 and covering a wide range of luminosities, BH masses and absorption and all characterised by CO measurements. The main goal of this analysis is to accurately determine the X-ray continuum emission, the presence of absorption features around 7 keV (indicative of the presence of outflows) and study the accretion parameters of the eight IBISCO NLS1, in order to study the accretion mechanisms and investigate the feeding and feedback cycle in these peculiar AGN. I will discuss our preliminary results, showing that NLS1 tend to have higher Eddington ratios and larger molecular gas fractions than their parent Seyfert population in the IBISCO sample. Finally, I will discuss the nuclear (AGN) vs. host galaxy properties scaling relations of NLSY1 in relation to the parent Seyfert population.

Motivation

Grant

no

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