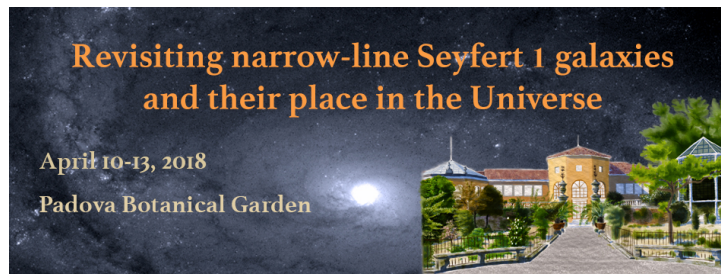


Revisiting narrow-line Seyfert 1 galaxies and their place in the Universe



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

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Saturated luminosity of slim accretion disks in narrow line Seyfert 1 galaxies

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Classical model of slim accretion disks predicts saturated luminosity which only linearly proportional to the accreting black hole mass. We show the evidence for this luminosity from the Lijiang reverberation mapping campaigns of narrow line Seyfert 1 galaxies. This lends an opportunity of using super-Eddington accreting massive black holes as cosmic candles for expansion history of the Universe.

Motivation

Grant

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