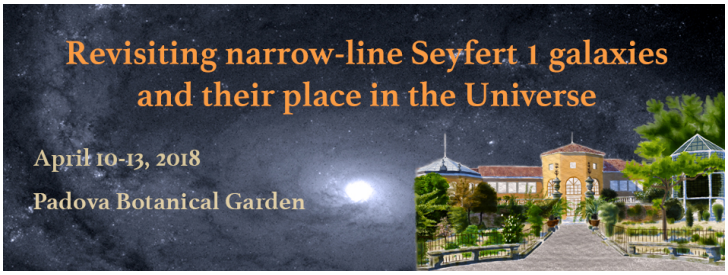

Contribution ID: **56** Type: **Talk**

Reverberation mapping of narrow-line Seyfert 1 galaxies: shortened Hbeta lags

Tuesday, 10 April 2018 14:50 (20 minutes)

We are carrying out a long-term reverberation mapping campaign to spectroscopically monitor narrow-line Seyfert 1 galaxies, which potentially host supermassive black holes with high accretion rates, in order to investigate the physics of their BLRs and measure their black hole masses. One of the striking new results of our campaign is that those objects deviate significantly from the canonical R_Hbeta –L_5100 relation in exhibiting systematically shorter lags for a given luminosity. I will present the latest progress of our observations and some results about the BLR geometry and kinematics.

Motivation

Grant

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