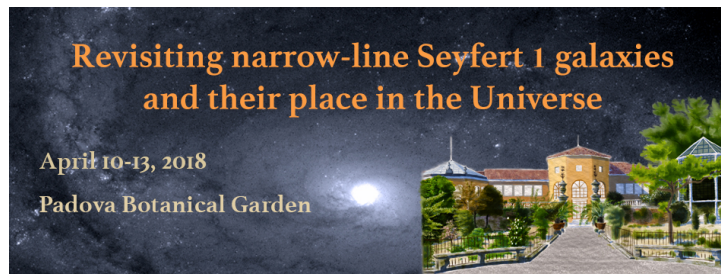


Revisiting narrow-line Seyfert 1 galaxies and their place in the Universe



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Fe II velocity shifts in optical spectra of type 1 AGN

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Here we present a critical view of practical problems in the analysis of optical FeII emission lines of Type 1 AGN spectra. Besides the very complex and unclear physical interpretation of the FeII template shape, there are other issues that might affect the results of FeII contribution as well (like the S/N, the AGN continuum component modelling, the complex shapes of other broad and narrow emission lines that are blending the same part of the spectrum, the galactic host stellar component that could lead to mimicking of the FeII template shape on some parts of spectrum, etc.). In this paper we concentrate particularly on the claims of possibility that in some objects FeII could be strongly shifted to the red. We examine the effects in the fitting procedure that could artificially lead to such results, discuss possible physical interpretations that could be inferred if such shifts were real.

Motivation

Grant

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