Progress Report

SPECTRAL LINE CHARACTERISTICS OF AGNs IN THE FRAME OF THE INTRINSIC BALDWIN EFFECT

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The intrinsic Baldwin effect is an anti-correlation between the line equivalent width and the flux of underlying continuum detected in a single variable active galactic nucleus (AGN). This effect, in spite of the extensive research, is still not well understood, and might give us more information about the physical properties of the emission line regions. Here we investigate the intrinsic Baldwin effect in the large sample of AGNs taken from the Sloan Digital Sky Survey Reverberation Mapping project (SDSS-RM) considering the broad H β and iron lines. In our sample we are considering type 1 AGNs with different broad line characteristics: Seyfert 1 galaxies, double-peaked broad line profiles and narrow line Seyfert 1 galaxies in order to constrain the nature of intrinsic Baldwin effect. Here we give preliminary results of our research.