

THE INTRINSIC BALDWIN EFFECT IN A SAMPLE OF AGNs WITH BROAD LINES

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We investigated intrinsic Baldwin effect (IBE), negative correlation between the equivalent widths of emission lines and the continuum luminosity in active galactic nuclei, in three objects: NGC 4151, NGC 5548 and 3c390.3. Data used were taken from several long-term monitoring campaigns. We found that in all three objects in some period the IBE may be present, but significant IBE can be detected only in NGC 4151. We showed that the slope of the intrinsic Beff in NGC 4151 is changing in the time. In addition using the CLOUDY code to model the BLR of the NGC 4151 we found that the slope of the intrinsic Beff depends on the distance from the source of the ionizing continuum.