

VARIABILITY OF EMISSION LINES OF LARGE SAMPLE OF TYPE 1 AGN FROM THE SDSS-RM PROJECT

N. Rakić¹, D. Ilić² and L. Č. Popović³

¹*Faculty of Science, University of Banjaluka, Mladena Stojanovića 2,
78000 Banjaluka, Republic of Srpska, B&H*

²*Faculty of Mathematics, University of Belgrade, Studentski Trg 16,
11000 Belgrade, Serbia*

³*Astronomical Observatory, Volgina 7, 11060 Belgrade 38, Serbia*

E-mail: nemanja.rakic@pmf.unibl.org, dilic@matf.bg.ac.rs, lpopovic@aob.bg.ac.rs

Time domain astronomy is highly important in understanding the nature of variable objects. Time variability of spectral characteristics holds essential information about the source physics. Here we present preliminary results of our investigation of spectral characteristics in a large sample of type 1 AGNs taken from the long-term monitoring campaign SDSS-RM project. The special attention of our research is dedicated to intrinsic Baldwin effect, an anticorrelation between the equivalent width of emission line and the flux of underlying continuum. This effect in spite huge amount of effort is still not well understood.