

Poster paper

**LAG BETWEEN THE OPTICAL CONTINUUM
AND LINE VARIABILITIES OF NGC 4151**

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Using a long term spectroscopic observation of NGC 4151 (1996 to 2006) we used z-transformed discrete correlation function (ZDCF) function to find the lag time between the broad lines (He II, H γ , H β and H α) and the optical continuum. Also, we discuss how the wings and core variation responds to the optical continuum one.

Poster paper

ASYMMETRY OF THE C IV 1549 LINE IN A SAMPLE OF RQ AND RL AGN

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Here we investigate the asymmetry of the CIV line in a sample of RQ and RL AGN in order to find signature of an outflow in CIV emission region. We apply multi-component Gaussian analysis to fit the lines. We consider the parameters of the components (emission and absorption), separately in Radio Loud (RL) and Radio Quiet (RQ) AGN.