

Reverberation mapping: kinematics of the BLRs

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The geometry and kinematics of the broad-line regions (BLRs) in active galactic nuclei (AGNs) are far from fully-understood, especially for those AGNs with high accretion rates. The velocity-resolved reverberation mapping (RM) is a great tool for investigating the kinematics of the BLRs. Here we present our latest progress in the velocity-resolved RM technique and observation. Those results provide new insight into the nature of the BLRs in AGNs.