

Contributed Talk

Splinter AGN

OPTICAL PHOTOMETRIC MONITORING OF ACTIVE GALACTIC
NUCLEI AT WISE OBSERVATORY

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We have started an automatized photometric monitoring of active galactic nuclei using the 46 cm telescope of the Wise observatory in Israel. The telescope is specially equipped with narrowband filters to perform high-fidelity photometric reverberation mapping of the accretion disk and of the broad line region in $V < 17$ mag sources and up to $z \sim 0.1$. Here, we describe the capability and accuracy of the experiment, and present the first science verification data obtained for the Seyfert 1 galaxy Mrk279. With sub-day sampling over more than two months, and typical flux measurement uncertainties of 1%, we are able to robustly measure inter-band time-delays of up to ~ 2 days across the optical range.