

ACTIVE GALACTIC NUCLEI SEARCH

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We present the first results of medium band photometric observations on 1-m Schmidt Telescope of Byurakan Astrophysical Observatory (Armenia). Object sample was created in SA68 field. Medium band filter set (13 filters with $\text{FWHM} = 250\text{\AA} + 5$ broadband SDSS filters) allows us to create low-resolution spectra of each object in SA68 field. We compare them with template spectra to select AGNs and to determine their photometric redshifts. Our sample consists of 330 objects with 0.55.1 redshift range and complete up to 23.0 AB magnitude. Comparison of our sample with SDSS DR10 and BOSS+MMT QSO samples showed that we have found sufficiently more objects in 3.25.1 redshift range.