

Spectroscopic and Photometric Studies of Blue Compact Dwarf Galaxies II. Low Resolution Spectroscopic Surveys

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We present resolution spectroscopy using Cassegrain spectrograph and 300 lines/mm grating equiped with MSSSO 74" Telescope for a sample of 115 blue compact dwarf galaxies and HII galaxies.

We have found 7 new southern blue compact dwarf galaxies from this surveys. We present a low resolution spectral atlas. Most of our sample (110 galaxies out of 115) have HII region-like spectral characters, which are classified 80 blue compact dwarf galaxies (BCDs) and 30 HII galaxies.