

## Spectroscopic and Photometric Studies of Blue Compact Dwarf Galaxies

### II. Low Resolution Spectroscopic Surveys

Eon-Chang Sung<sup>1</sup>, Mun-Suk Chun<sup>2</sup> and Jang-Hyun Park<sup>1</sup>

<sup>1</sup> Korea Astronomy Observatory

<sup>2</sup> Department of Astronomy, Yonsei University

We present resolution spectroscopy using Cassegrain spectrograph and 300 lines/mm grating equipped 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.