## Optical Spectra of Compact Planetary Nebulae Ting-Hui Lee, Western Kentucky University

- Optical spectral obtained with the Southern Astrophysical Research Telescope (SOAR)
- Plan to use CLOUDY to build photoionization models for these PNe
- Constrain the properties of the central stars such as the effective temperature and luminosity
- Compare the chemical abundances obtained by other methods

