

Effects of the luminosity dependence of quasar spectra on the completeness estimates

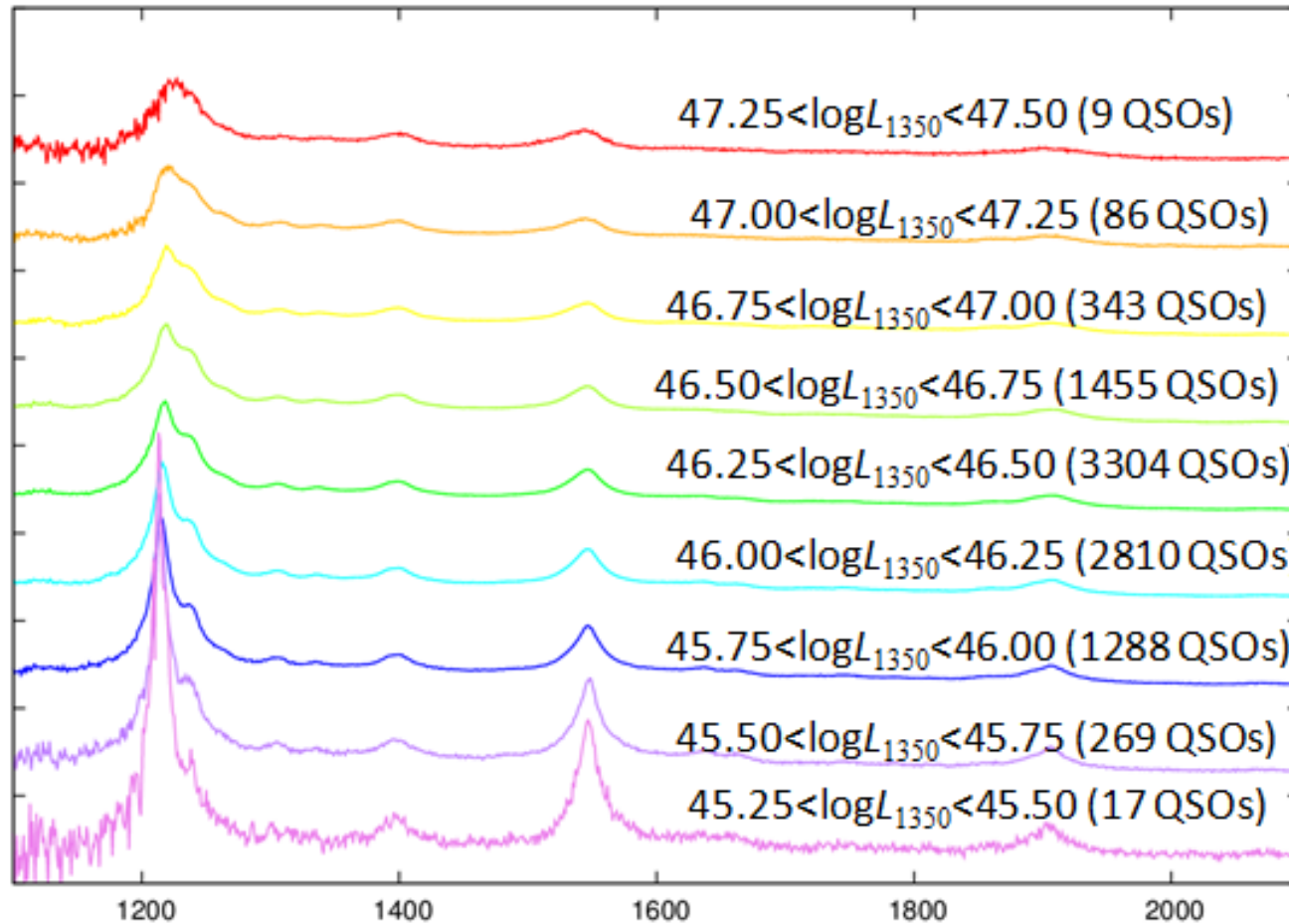
T. Hori (Ehime Univ.)

Collaborators

T. Nagao (Kyoto Univ.), H. Ikeda (Ehime Univ.),
K. Matsuoka (Seoul National Univ. / Ehime Univ.),
K. Hamada (Ehime Univ.), Y. Taniguchi, M. Kajisawa, Y. Shioya (Ehime Univ.)

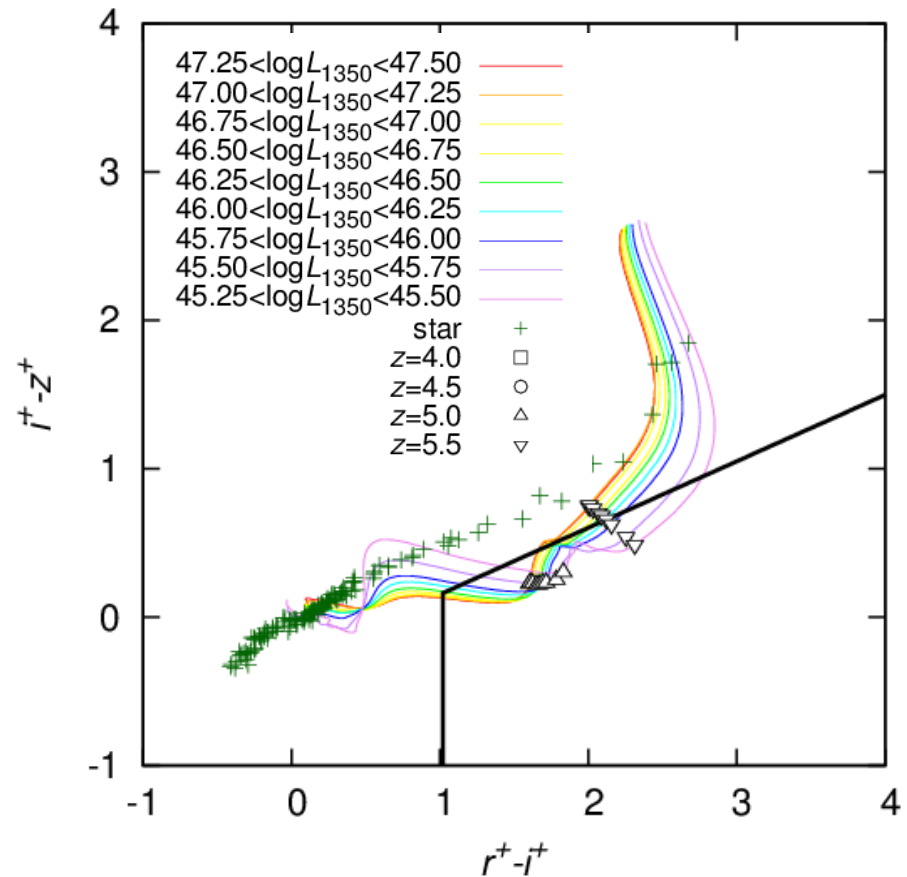
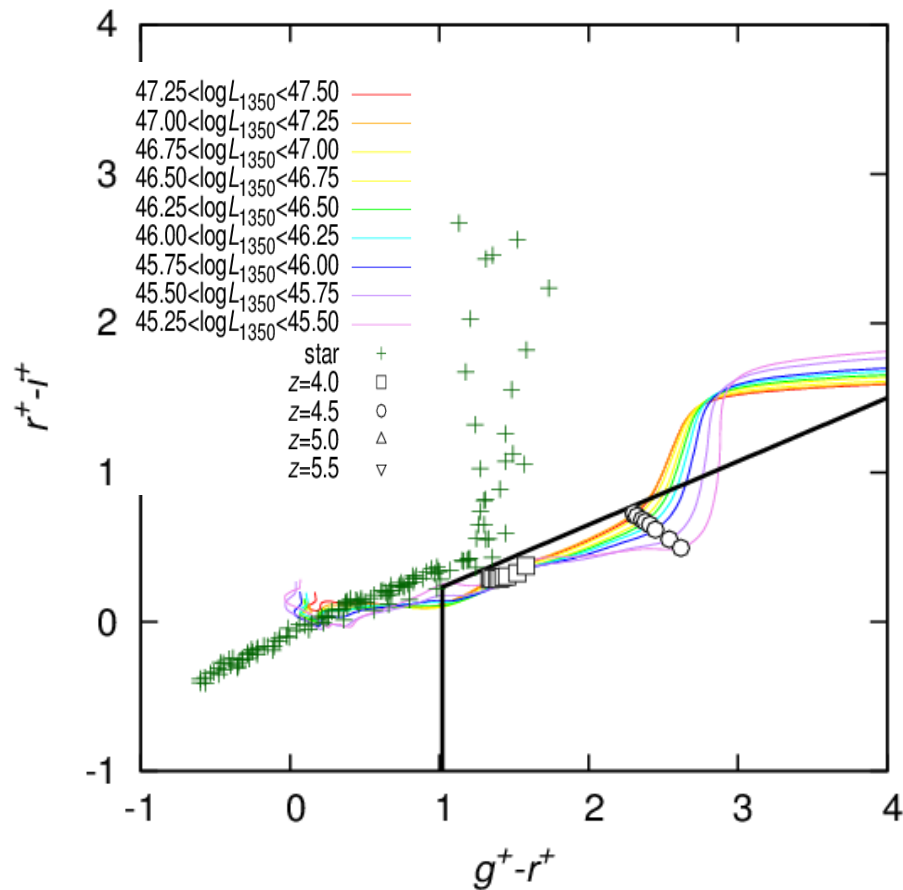
Composite Spectra as function of z and L

We made 9 composite spectra as functions of z and L to investigate the effect of the luminosity dependence on the two-color diagram.



Rest Wavelength (\AA)

The Luminosity Dependence of the Composite Spectra on the Two Color Diagrams



We calculate the photometric completeness and derive the quasar luminosity function at $z \sim 4-5$.

 Please Check my poster!