

Figure 1. Normalized spectra of J2123-0050 showing the variable C IV systems A-E in the two high-resolution observations: 2006.64 (black curve) and 2008.67 (red). The velocity scale across the top applies to the short wavelength lines in the doublet, C IV $\lambda 1548$, relative to the emission redshift, $z_e = 2.278$. The 1σ variance spectra are plotted as dotted black and red curves across the bottom. Much narrower absorption lines not labeled are cosmologically intervening and unrelated to the variable outflow systems.

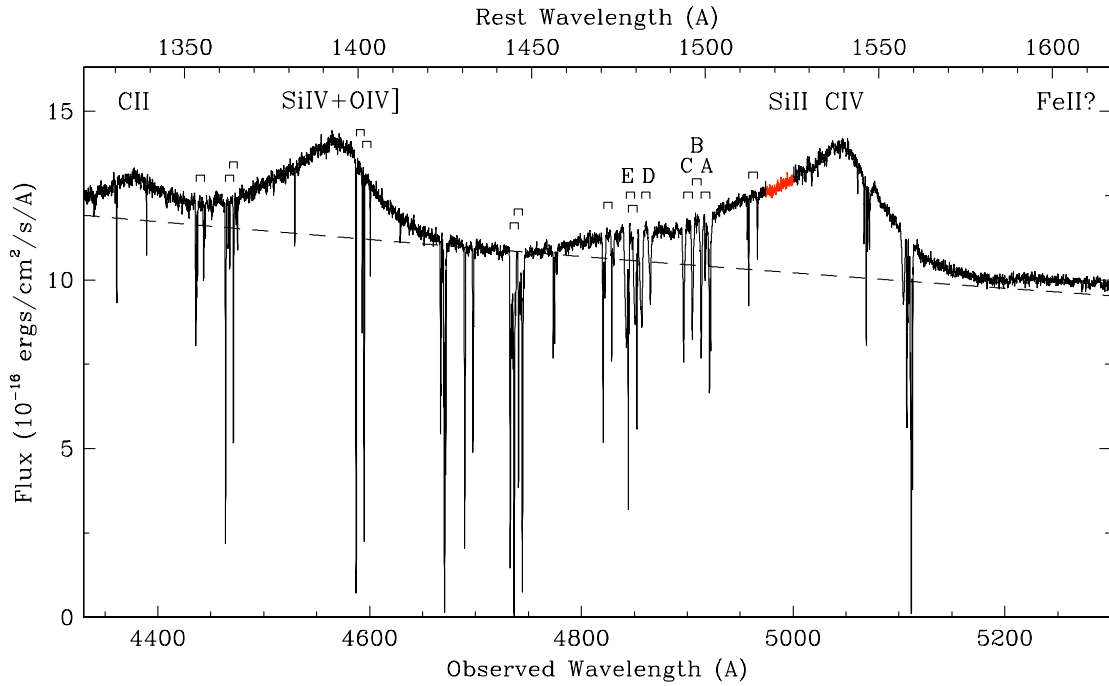


Figure 2. Synthesized spectrum of J2123-0050 showing the absorption lines in the Keck 2006.64 data relative to the broad emission lines and overall spectral shape defined by the SDSS measurement in 2002.68. All of the C IV $\lambda\lambda 1548, 1551$ absorption doublets detected in this wavelength range are marked by open brackets above the spectrum. The variable outflow systems are labeled A-E. Various broad emission lines are labeled across the top. A small featureless segment near 4970 Å observed (drawn in red) uses the average VLT 2008.67 spectrum to fill a small gap in the Keck wavelength coverage. The Keck and VLT spectra are shown after binomial smoothing to improve the presentation. The dashed curve is a powerlaw fit to the underlying quasar continuum.