

P29c      **Mid-infrared spectroscopy of SVS13**

Takuya Fujiyoshi (Subaru Telescope), Christopher M. Wright (UNSW@ADFA, Australia),  
Toby J. T. Moore (Liverpool John Moores Univ., UK)

It is of great interest to study mineralogy of circumstellar dust around young stars as it represents the original constituents of planetesimals, hence of the rocky planets like our own Earth. We have conducted low-resolution ( $R \sim 250$ ) *N*-band (8–13  $\mu\text{m}$ ) spectroscopy of a pre-main sequence star SVS13 using the mid-infrared imaging spectrometer COMICS on the 8.2-m Subaru Telescope. In this presentation, we will report preliminary results and dust modelling efforts being undertaken to understand the circumstellar environment of this fascinating object.