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Tracing end of star from SNR observation

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“We present results of near-infrared [Fe II] imaging and spectroscopic observations of young supernova remnants. Near-infrared [Fe II] line is a good tracer of dense shocked gas because of less extinction compared to optical wavelength and its relative strength compared to hydrogen line. We obtained images and spectra covering many positions of SNRs using recent integral-field spectroscopy and multi-object spectroscopy instruments. The observed morphological and kinematic distributions of young SNRs can give clue to the conditions of pre-supernova remnant and end of star.”