

SN J14002117+3854517 discovered 2015/02/18.054 by Paolo Campaner in the galaxy NGC 5406 on behalf of Italian Supernovae Search Project (type II - mv +18,2).



CLASSIFICATION ATEL

Asiago spectroscopic observation of PSN J14002117+3854517 in NGC 5406

ATel #7107; [P. Ochner, S. Benetti, A. Pastorello, E. Cappellaro, N. Elias-Rosa, L. Tartaglia, G. Terreran, L. Tomasella, M. Turatto, S. Zaggia \(INAF - Osservatorio Astronomico di Padova\); F. Patat \(ESO\)](#)

on **19 Feb 2015; 08:44 UT**

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Subjects: Optical, Supernovae

The Asiago Transient Classification Program (Tomasella et al. 2014, AN, 335, 841) reports the spectroscopic observation of PSN J14002117+3854517 in NGC 5406. The observation was performed with the Asiago 1.82m Copernico Telescope (+AFOSC; range 340-820 nm;

resolution 1.4 nm), equipped with the CCD Andor IKON L936.

Name	Date (UT)	z	Type	Phase	PSN J14002117+3854517
20150219.07	0.01735	SN II	~ 2 weeks		

The spectrum shows a relatively blue continuum, dominated by the Balmer lines with P-Cygni profiles typical of type II SNe about two weeks after explosion. From the H-alpha minimum an expansion velocity of about 5600 km/s is deduced, once the host galaxy redshift has been taken into account ($z=0.01735$, RC3, via NED)

Classification was done with GELATO (Harutyunyan et al. 2008, A&A, 488, 383) and SNID (Blondin and Tonry 2007, ApJ, 666, 1024). The Asiago classification spectra are posted at the website <http://sngroup.oapd.inaf.it>.

[*Padova Asiago Supernova group*](#)