

[Previous   Next   ADS ] <b>Optical spectroscopy and photometry of</b> <b>SN2014J in M82</b> ATel #5829; T. Bonev (Institute of Astronomy and NAO, Sofia, Bulgaria), T. Tomov, E. Swierczynski (Nicolaus Copernicus University, Torun, Poland), I. Iliev, D. Dimitrov, H. Markov, K. Stoyanov, M. Belcheva, G. Nikolov, P. Nikolov, D. Chanliev, M. Churalski, Y. Nikolov, A. Kurtenkov, I. Stateva, N. Petrov (Institute of Astronomy and NAO, Sofia, Bulgaria), W. Dimitrov (Adam Mickiewicz University, Poznan, Poland), F. Musaev (Special Astrophysical Observatory, RAN), Z. Tsvetanov (Johns Hopkins University, Baltimore, USA), L. Miloushov, T. Tomoy (Institute of Solid	6197 6099 5965 5933	Related RadioAstron Space-VLBI observation of SN2014J and the possible AGN in M82 Early gammaray emission from SN2014J during the optical maximum as obtained by INTEGRAL Post-maximum high- resolution spectroscopy of SN2014J in M82 SN 2014J in M82 SN 2014J in M82: Non- detections of a possible progenitor outburst in archival Tautenburg observatory data	
Conversity, Baltimore, USA), 1. Miloushev, 1. Tenev (Institute of Solid State Physics, Sofia, Bulgaria) on 29 Jan 2014; 12:46 UT Credential Certification: Toma Tomov (tomtom@astri.uni.torun.pl) Subjects: Optical, Supernovae Referred to by ATel #: 5840, 5843, 5876	5880 5876 5859	Upper Limits on the VHE Gamma-Ray Flux of SN2014J in M82 From Observations by MAGIC Optical and NIR observations of SN 2014J Echelle spectra of SN2014J from the Apache Point Observatory 3.5m telescone UT January 27	
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During the commissioning of the new echelle spectrograph attached to the 2m RCC telescope of NAO Rozhen (Bulgaria) we obtained a high-resolution spectrum of SN2014J on January 23.75UT. The spectrum covers the range 3900-9200A with a resolving power ~30000. The most prominent feature in our spectrum is the SiII 6355A absorption with an EW ~120A and FWHM ~220A. Other well visible absorptions are SiII 5972A, SII 5468A and the blend SII 5612, 5654A with EW 20A, 27A, 24A and FWHM 126A, 105A and 96A respectively. The CaII IR triplet appears as a very wide absorption blend centered at about 7900A with EW ~100A. The SiII 6355A absorption gives a radial velocity of about 14100km/s. While the velocity measured using the lines SiII 5972A and SII 5468A is ~12300km/s. A similar velocity difference was reported in ATel #5818. The inter-stellar NaI D absorptions present in our spectrum a sharp component shifted by about -2km/s. All the other galactic, inter-galactic and host galactic components (see Cox et al., ATel #5797) are blended in wide absorption structures between 40km/s and 220km/s with EW 2.4A for D1 line and 2.6A for D2 line. Using a SBIG-STL-1001 CCD camera attached to the 60cm Cassegrain telescope at the Nicolaus Copernicus	5843 5843 5840 5835 5830 5829	opper limits on the progenitor of SN 2014J based on NIR HST archival observations. Optical photometry and low-resolution spectroscopy of the SN 2014J NIR Magnitudes of SN 2014J Obtained Near Maximum Light INTEGRAL Target of Opportunity observations of the type Ia SN2014J in M82 Spectropolarimetry of SN2014J in M82: another low R(V) event Optical spectroscopy and photometry of SN2014J in M82	

University Observatory (Torun, Poland) we estimated the BVR brightness of SN2014J to be B=12.20+/-0.02, V=10.93+/-0.02 and R=10.37+/-0.02 on January 25.73UT. GSC 4383-1106 (B=12.832+/-0.097, V=12.215+/-0.051, R_c=11.97+/-0.129) was used as a comparison star. Its B and V magnitudes were taken from The AAVSO Photometric All-Sky Survey (http://www.aavso.org/apass). The R_c magnitude was obtained using Fukugita et al. (1996, AJ, 111, 1748) formula and Sloan r'=12.138+/-0.028 from The	5827 5824	Broad and narrow band imaging and spectroscopic follow up of SN2014J in M82 SN 2014J: HST archival observations do not preclude Recurrent or Classical Nova progenitor system
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