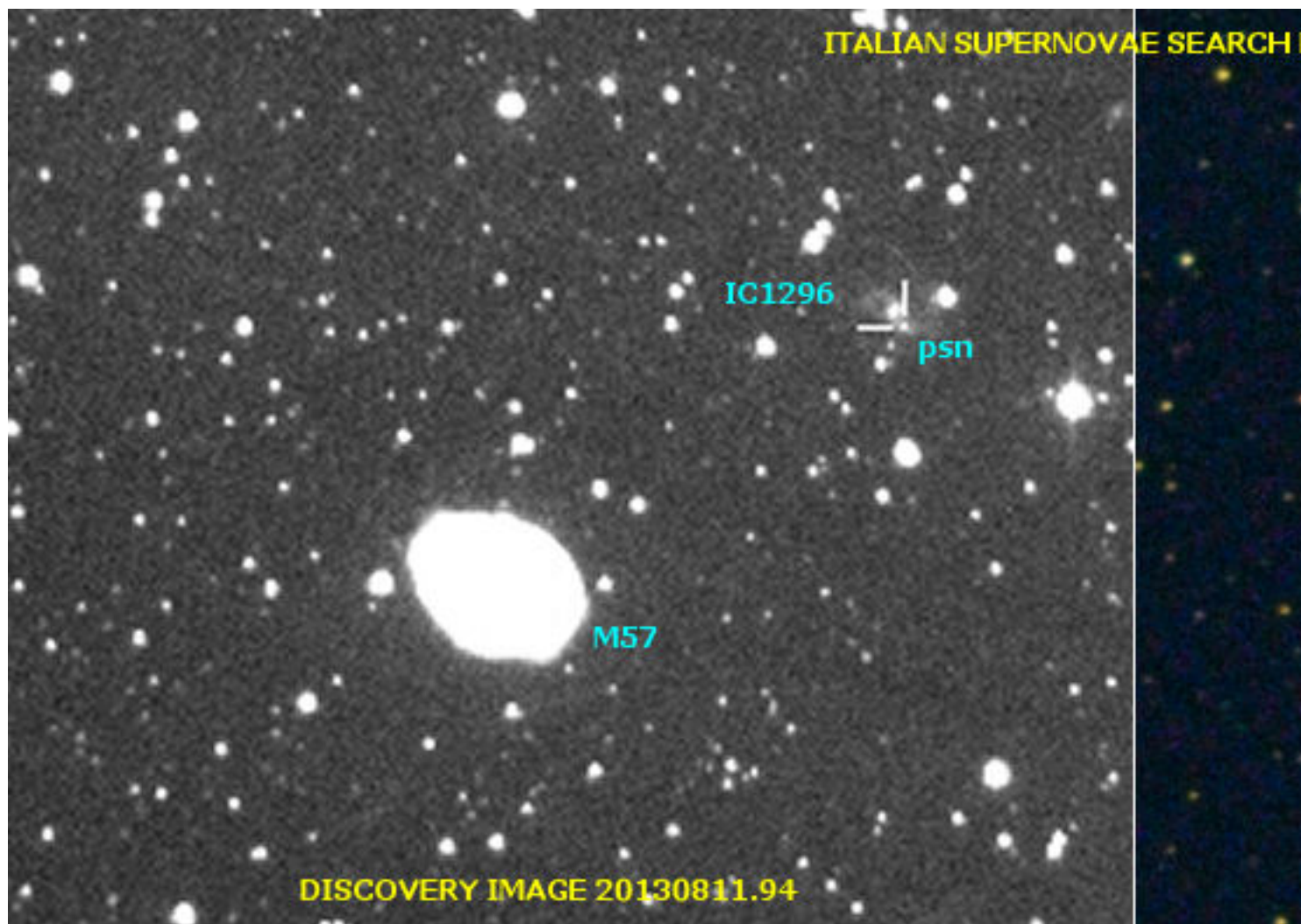


SN 2013ev (A.R., 18 53 18.45 Dec. +33 03 52.7), scoperta il 11 agosto 2013 nella galassia ic 1296 (offset 5W 8S), magnitudine 17.2, tipo: II

PSN individuata da Ciabattari, Mazzoni e Petroni con il telescopio Newton da 50cm dell'Osservatorio di Monte Agliale (Lucca). Prediscovery image ripresa all'Osservatorio del Col Druscìè con il telescopio Maioni di 28 cm al 2013/08/11.85 u.t.



Electronic Telegram No. 3627 Central Bureau for Astronomical Telegrams INTERNATIONAL ASTRONOMICAL UNION CBAT Director: Daniel W. E. Green; Hoffman Lab 209; Harvard University; 20 Oxford St.; Cambridge, MA 02138; U.S.A. e-mail: cbatiau@eps.harvard.edu (alternate)

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Prepared using the Tamkin Foundation Computer Network SUPERNOVA 2013ev IN IC 1296 = PSN J18531845+3303527 [Editor's note: this revises the text on CBET 3626] F. Ciabattari, E. Mazzoni, and G. Petroni report the discovery of an apparent supernova (unfiltered mag 17.2) on CCD images (limiting mag 19.5) obtained on Aug. 11.94 and 12.83 with a 0.5-m Newtonian telescope (+ FLI Proline 4710 camera) at Borgo a Mozzano, Italy, in the course of the Italian Supernovae Search Project. The new object is located at R.A. = 18h53m18s.45, Decl. = +33d03'52".7 (equinox 2000.0; astrometry with respect to UCAC-2 stars), which is 5" west and 8" south of the center of the galaxy IC 1296. The variable was designated PSN J18531845+3303527 when it was posted at the Central Bureau's TOCP webpage and is here designated SN 2013ev based on the spectroscopic confirmation reported below. Additional CCD magnitudes for 2013ev: July 26, [19.5 (Ciabattari)]; Aug. 3, 18.7 (Ciabattari; barely visible; limiting mag 19.5); Aug. 8.875, 14 (Manfred Kliemke, Stephanskirchen, Germany; apparent independent discovery reported the day after Ciabattari et al. posted their discovery to the TOCP; 43-cm f/6.8 CDK17 telescope + SBIG STX camera + luminance filter at the Sternwarte Sinssee near Riedering, Bavaria; noted only that the new star appears 0s.40 west and 9".4 south of the galaxy's core); 12.935, 17.1 (Ron Arbour, South Wonston, U.K.; 35-cm f/6 C14 telescope; position end figures 18s.41, 51".7). L. Tomasella, A. Pastorello, S. Benetti, E. Cappellaro, P. Ochner, and M. Turatto, Osservatorio Astronomico di Padova, Istituto Nazionale di Astrofisica, report that an optical spectrogram (range 340-820 nm; resolution 1.3 nm) of PSN J18531845+3303527 = SN 2013ev, obtained on Aug. 12.98 UT with the Asiago 1.82-m Copernico Telescope (+ AFOSC), shows a blue featureless continuum, consistent with a young type-II supernova. Adopting for the host galaxy (IC 1296) a recessional velocity of 5119 km/s (Marzke et al. 1996, A.J. 112, 1803; via NED), a best fit is found with SN 1999gi shortly after explosion. The Asiago classification spectra are posted at URL

<http://graspa.oapd.inaf.it>

; classification was made via GELATO (Harutyunyan et al. 2008, A.Ap. 488, 383) and SNID (Blondin and Tonry 2007, Ap.J. 666, 1024). NOTE: These 'Central Bureau Electronic Telegrams' are sometimes superseded by text appearing later in the printed IAU Circulars.
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