SN 2011hv (A.R. 23 18 16.55, Dec. +00 15 43.1) scoperta il 17 novembre 2011 nella galassia NGC 7589 (offset 14E 4N), magnitudine 18.1.

SN scoperta da F. Ciabattari ed E. Mazzoni con il telescopio Newton da 50cm dell'Osservatorio di Monte Agliale (Lucca).

Electronic Telegram No. 2905 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 cbat@iau.org) URL http://www.cbat.eps.harvard.edu/index.html Prepared using the Tamkin Foundation Computer Network SUPERNOVA 2011hv IN NGC 7589 = PSN J23181655+0015431 F. Ciabattari, S. Donati, E. Mazzoni, G. Petroni, and M. Rossi, Borgo a Mozzano Italy, report the discovery of an apparent supernova (mag 18.1) on unfiltered CCD images obtained on Nov. 17.73 and 18.79 UT with a 0.5-m Newtonian reflector in the course of the Italian Supernovae Search Project, the new object being located at R.A. = 23h18m16s.55, Decl. = +0d15'43".1 (equinox 2000.0; astrometry with respect to UCAC2-catalogue stars), which is 14" east and 4" north of the center of the galaxy NGC 7589. Nothing is visible at this position in their images from September (limiting magnitude 19.1). The variable was designated PSN J23181655+0015431 when it was posted at the Central Bureau's TOCP webpage and is here designated SN 2011hv based on the spectroscopic confirmation reported below. Additional magnitudes for 2011hv: 1988 Aug. 17, [20.3 (Palomar Sky Survey via Digitized Sky Survey; J plate; via Ciabattari); 1991 Sept. 4, [20.3 (Palomar Sky Survey, F plate; via Ciabattari); 2011 Nov. 19.088, 17.4 (Joseph Brimacombe, Cairns, Australia; luminance filter; position end figures 16s.50, 42".7; image posted at website URL http://www.flickr.com/photos/43846774@N02/6363363975/). S. Valenti, A. Pastorello, S. Benetti, L. Tomasella, F. Bufano, and P. Ochner, Istituto Nazionale di Astrofisica, Osservatorio Astronomico di Padova, on behalf of a larger collaboration, report that a low-signal-to-noise spectrogram of PSN J23181655+0015431 = SN 2011hv, obtained on Nov. 19.72 UT with the 1.82-m Copernico Telescope (+ AFOSC; range 340-790 nm, resolution 2.2 nm), indicates that it is a type-Ia supernova around maximum. Cross- correlation with a library of supernova spectra via the "Supernova Identification" code (SNID; Blondin and Tonry 2007, Ap.J. 666, 1024) indicates that it is similar to SN 1999aw (Strolger et al. 2002, A.J. 124, 2905) around maximum. Adopting a recessional velocity of 8938 km/s (Impey et al. 1996, Ap.J. Suppl. 105, 209; via NED), the ejecta velocity deduced from the minimum of the Si II 635-nm line is about 12000 km/s. NOTE: These 'Central Bureau Electronic Telegrams' are sometimes superseded by text appearing later in the printed IAU Circulars.

 2011 November 22 (CBET 2905) Daniel W. E. Green