

[SN 2012eh](#) (A.R. 01 27 31.45, Dec. +14 49 05.8), scoperta il 20 agosto 2012 nella galassia ic 1706 (offset 5E 5S), magnitudine 18.4, tipo II.

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



Electronic Telegram No. 3208

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](mailto:cbatiau@eps.harvard.edu) (alternate [cbat@iau.org](mailto:cbat@iau.org))

URL <http://www.cbat.eps.harvard.edu/index.html> SUPERNOVA 2012eh IN IC 1706 = PSN J01273145+1449058 F. Ciabattari and E. Mazzoni, Borgo a Mozzano, Italy, report their discovery of a possible Supernova (mag 18.4) on unfiltered CCD images (limiting magnitude 19.5) obtained on Aug. 20.07 and 20.92 UT with a 0.5-m Newtonian telescope in the course of the Italian Supernovae Search Project. The new object is located at R.A. = 1h27m31s.45, Decl. = +14d49'05".8 (equinox 2000.0; astrometry with respect to UCAC-2 stars), which is 5" east and 5" south of the center of the galaxy IC 1706. Nothing is present at this position on the digitized plates of the Palomar Sky Survey from 1987 Aug. 24 (J plate; limiting mag 20.3) and 1989 Nov. 4 (F plate; limiting mag 20.3). The new object was designated PSN J01273145+1449058 when it was posted on the Central Bureau's TOCP webpage and is here designated SN 2012eh based on the spectroscopic confirmation reported below. Xavier Bros, Ager, Spain, communicates that unfiltered images obtained with a 35-m f/4.6 telescope on Aug. 22.125 yield mag 17.0 and position end figures 31s.48, 04".9 (UCAC2 reference stars) for SN 2012eh; his image is posted at website URL [http://www.anyillum.com/SN\\_IC1706.jpg](http://www.anyillum.com/SN_IC1706.jpg).

J. Sollerman, Stockholm University; and M. Stritzinger, Aarhus University, report (on behalf of the observers A. Hammer Holm, J. Jul Jensen, A. Paaske Drachmann, M. Juhl Hobert, and J. Fynbo from Copenhagen University) that they obtained optical spectroscopy of PSN

J01273145+1449058 = SN 2012eh with the Nordic Optical Telescope (+ ALFOSC; range 350-900 nm, resolution 0.8 nm) on Aug. 21.17 UT. The fully reduced spectrum of SN 2012eh shows this to be a young type-IIP supernova with strong Balmer P-Cyg profiles, probably within a few days of maximum light. The redshift deduced from the supernova fit is 0.02.

NOTE: These 'Central Bureau Electronic Telegrams' are sometimes superseded by text appearing later in the printed IAU Circulars. (C) Copyright 2012 CBAT 2012

August 24 (CBET 3208) Michael Rudenko