

SN2015R discovered by F. Ciabattari, E. Mazzoni, G. Petroni in UGC 8690 galaxy. SN was spotted 5" W 22" N of the center, on behalf of Italian Supernovae Search Project. The image was taken on 2015/04/09.890.

See also attached classification ATEL and CBET.



Asiago classification of PSN J13443367+0446535 in UGC 8690

ATel #7372; [S. Benetti, L. Tomasella, E. Cappellaro, N. Elias-Rosa, P. Ochner, A. Pastorello, L. Tartaglia, G. Terreran, M. Turatto \(INAF Osservatorio Astronomico di Padova\)](#)

on 11 Apr 2015; 23:08 UT

Credential Certification: Lina Tomasella (lina.tomasella@oapd.inaf.it)

Subjects: Optical, Supernovae

The Asiago Transient Classification Program (Tomasella et al. 2014, AN, 335, 841) reports the spectroscopic classification of PSN J13443367+0446535 in UGC 8690. Information on this transient, discovered by F. Ciabattari, E. Mazzoni and S. Donati (Italian Supernovae Search Project) was announced through CBAT Transient Object Followup Reports (<http://www.cbat.eps.harvard.edu/index.html>) and is also available from the "Bright Supernova" website (<http://www.rochesterastronomy.org/snimages/>). The observation was performed with the Asiago 1.82 m Copernico Telescope (+AFOSC; range 340-820 nm; resolution 1.3 nm).

Name	Date (UT)	v	Type	Phase	Notes	PSN
J13443367+0446535	20150411.90	6938 km/s	II	1 month	(1)	

(1) The expansion velocity of the ejected material, as inferred from the position of the absorption of the H α , is about 7800 km/s.

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 SN group](#)

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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>

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SUPERNOVA 2015R IN UGC 8690 = PSN J13443367+0446535

F. Ciabattari, E. Mazzoni, and S. Donati, Borgo a Mozzano, Italy, report that an apparent supernova (mag 17.8) was discovered on unfiltered CCD images (limiting magnitude 19.5) obtained on Apr. 9.89 and 10.81 UT with a 0.5-m Newtonian telescope (+ FLI 4710 Proline camera). □ The new object is located at R.A. = 13h44m33s.67, Decl. = +4d46'53".5 (equinox 2000.0; astrometry with respect to UCAC-2 stars) which is 5" west and 22" north of the center of the galaxy UGC 8690. □ Nothing is visible at this position on digitized plates of the Palomar Sky Survey from 1993 May 12 (F plate; limiting magnitude 20.3) and 1996 Mar. 24 (J plate; limiting magnitude 20.3). □ The variable was designated PSN J13443367+0446535 when it was posted at the Central Bureau's TOCP webpage and is here designated SN 2015R based on the spectroscopic confirmation reported below. □ The type-Ia supernova 2005G (cf. IAUC 8465) also appeared in UGC 8690. □ Additional CCD magnitudes for 2015R: □ 2015 Mar. 21, [19.5 (Ciabattari et al.); Apr. 9.007, 18: (Fabio Briganti, Cortina d'Ampezzo, Italy; pre-discovery image found on an image obtained with a 0.28-m C11 telescope + SBIG-ST8 camera in the course of the Italian Supernovae Search Project; variable barely visible near the limit); Apr. 11.974, 18.1 (R. Furgoni and A. Righelli, San Benedetto Po, Italy; 0.4-m f/5.5 reflector + FLI-ML1603 camera; position end figures 33s.70, 52".4; UCAC4 reference stars; image posted via website URL <http://tinyurl.com/nnxoysu>); Apr. 12.060, 18.6 (M. Caimmi, Loreto, Italy; 0.24-m f/6.5 reflector + Atik 314L camera; position end figures 33s.69, 52".4; image posted via URL <http://tinyurl.com/oc48ptr>); Apr. 12.850, 17.9 (G. Masi and P. Catalano; remotely using a 43-cm telescope at Ceccano, Italy; position end figures 33s.70, 52".9).

S. Benetti, L. Tomasella, E. Cappellaro, N. Elias-Rosa, P. Ochner, A. Pastorello, L. Tartaglia, G. Terreran, and M. Turatto, Osservatorio Astronomico di Padova, INAF, report that an optical spectrogram (range 340-820 nm; resolution 1.3 nm) of SN 2015R, obtained on Apr. 11.90 UT with the Asiago 182-cm Copernico Telescope (+ AFOSC) in the framework of the Asiago Transient Classification Program (Tomasella et al. 2014, A.N. 335, 841), shows that this object is a type-II supernova. □ Adopting for the host galaxy a recessional velocity of 6938 km/s (Falco et al. 1999 PASP 111, 438; via NED), the expansion velocity of the ejected material, as inferred from the position of the absorption of the H_α, is about 7800 km/s. Classification was done with GELATO (Harutyunyan et al. 2008, A.Ap. 488, 383) and SNID (Blondin and Tonry 2007, Ap.J. 666, 1024). □ The Asiago

classification spectra are posted at URL <http://sngroup.oapd.inaf.it>.

NOTE: These 'Central Bureau Electronic Telegrams' are sometimes superseded by text appearing later in the printed IAU Circulars.

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