

SN J08593491+4555343 discovered by F. Ciabattari, E. Mazzoni, G. Petroni (0,50 mt telescope Montarrenti observatory - Lucca) in UGC 4709 galaxy. The SN was spotted 4" E 4" S of the center (mv +15,8), on behalf of Italian Supernovae Search Project. The discovery image was taken on 2015/03/12.810.

See also attached classification ATEL.



Asiago classification of PSN J08593491+4555343

ATel #7222; [P. Ochner, L. Tomasella, S. Benetti, E. Cappellaro, N. Elias-Rosa, A. Pastorello, L. Tartaglia, G. Terreran, M. Turatto \(INAF OAPd\), U. Noebauer, S. Taubenberger, E. Ishida \(MPA Garching\)](#)

on 14 Mar 2015; 08:02 UT

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Subjects: Optical, Supernovae

Referred to by ATel #: [7234](#)

The Asiago Transient Classification Program (Tomasella et al. 2014, AN, 335, 841) reports the spectroscopic observation of PSN J08593491+4555343 in UGC 4709. Information on this transient, discovered by F. Ciabattari, E. Mazzoni and G. Petroni (Italian Supernovae Search Project) is available from the "Bright Supernova" website (<http://www.rochesterastronomy.org/snimages/>) and from CBAT Transient Object Followup Reports (<http://www.cbat.eps.harvard.edu/index.html>). The observations were performed with the Asiago 1.22 m Galileo Telescope (+B&C spectrograph; range 330-790 nm; resolution 0.9 nm).

Name	Date (UT)	z	Type	Phase	Notes	PSN
J08593491+4555343	20150313.86	0.0281	Ia	few days before maximum	(1)	

(1) A good match is found with the normal Type Ia supernova 1998bu two days before maximum light. The expansion velocity of the ejected material, as inferred from the position of the absorption of the Si II 635.5 nm line, is about 10400 km/s.

Classifications were 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*](#)