

SN J21312375+4336312 in PGC 90388 (at R.A. = 21h31m23s.75, Decl. = +43°36'31".2) discovered by F. Ciabattari, E. Mazzoni and M. Rossi, on behalf of Italian Supernovae Search Project (ISSP) -

Mag 16.9, Type Ia (z=0.018) Located 4".0 east and 14".0 north of the center of PGC 90388 - ([Padova-Asiago spectrum](#))

) (References:

[ATEL 8257](#)

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See also discovery image and classification ATEL



Asiago classification of PSN J21312375+4336312 as a young type-Ia SN

ATel #8257; [L. Tomasella, S. Benetti, E. Cappellaro, N. Elias-Rosa, P. Ochner, A. Pastorello, L. Tartaglia, G. Terreran, M. Turatto \(INAF Osservatorio Astronomico di Padova\)](#)

on **8 Nov 2015; 18:23 UT**

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Subjects: Optical, Supernovae

The Asiago Transient Classification Program (Tomasella et al. 2014, AN, 335, 841) reports the spectroscopic classification of PSN J21312375+4336312 in the galaxy PGC90388 discovered by F. Ciabattari, E. Mazzoni and M. Rossi (Italian Supernovae Search Project ISSP).

The observation was performed with the Asiago 1.82 m Copernico Telescope (+AFOSC; range 340-820 nm; resolution 1.4 nm).

Name	Discovery UT	Obs. Date UT	z	Type	Phase	Notes	PSN
J21312375+4336312	20151107.79	20151108.72	0.018	Ia	max	(1)	

(1) Best match with several Type Ia SNe around B-band 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 9500 km/s. The host galaxy redshift is from Paturel et al. 2003, A&A 412, 57 (via NED).

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>.