Discussion 1

End Wednesday
upstairs
7-7:30pm
Talks: day 1-2

• Education and Outreach
• Communication: VOEvents
• Surveys: ASAS, LSST, OGLE, Gaia
• Gaia discovery + publication
• Follow-up facilities: GOTO, Watcher, LT, SOXS, NOAthens, Serbian-Bulgarian network, Catania, Loiano, Ostrowik, PIRATE, Gaia-FUN-TO
• Follow-up science (Comets, 14aae)
Title: KISS: Discovery and Identification of a young SN Ia KISS15n in the Coma cluster

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Posted: 18 May 2015; 23:11 UT

Subjects: Optical, Supernovae

We report the discovery and spectroscopic identification of a young Type Ia supernova in the Coma cluster field.

In Kiso Supernova Survey (KISS; Morokuma et al. 2014, PASJ, 66, 118), we found a transient object KISS15n of g=18.3 on May 10.54, 2015 in the g-band image. Follow-up imaging observations with Kiso Wide Field Camera (KWFC) on the 105-cm Kiso Schmidt telescope, the optical three color CCD cameras attached to the MITSuME 50-cm telescope of Akeno Observatory, the 1-m Swope telescope, and the Apogee AP-7p CCD camera on 70-cm reflector in Moscow indicate that the initial rising rate is about 0.4 mag per day and KISS15n is still rising as of May 17, 2015. The latest g-band magnitude on May 17.69 is g=16.0. This object was also discovered by K. Itagaki (PSNJ13003230+2758411, http://www.cbat.eps.harvard.edu/unconf/followups/J13003230+2758411.html) on May 13.51, 2015 and spectroscopically identified by Balam & Graham (2015, ATeL #7529).

We took optical spectra of KISS15n with SPRAT on the Liverpool telescope on May 13, 2015 and with the Andalucia Faint Object Spectrograph and Camera...
Some questions that came up

- How do we communicate better about past and ongoing follow-up?
- How do we share follow-up data (e.g. for reprocessing) [c.f. Calibration Server]
- How can we reduce delays in triggering follow-up (e.g. via VOEVENT + RTML)?
- Can we simplify/enhance follow-up (e.g. by addition of calibration stars to web pages).
Zuzanna’s follow-up page

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<th>light curve</th>
<th>image</th>
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<th>dec[deg]</th>
<th>spectral class - Marshall</th>
<th>prediction - Marshall</th>
<th>classification</th>
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Gaia Marshall
Follow-up on the per-object page

Arancha is proposing to rewrite the Gaia Marshall to tie into the publisher pages