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Newsletter #108, December 5th 2019

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News from the GROWTH marshal (Ashot Bagdasaryan)

“This week an issue with the list_program_sources.cgi script, which resulted in a timeout when loading very large programs, has been fixed”.

News from working groups

AGNs and TDEs:“Our TDE Jaime (ZTF17aaazdba) remains surprising, the X-ray flux has gone up again. We continue monitoring with Swift, NICER, VLA, DCT. Earlier this week we obtained late-time DCT spectra for many sources. HST DDT observations of Melisandre (ZTF19abzrhgq) have been obtained. We are preparing for the start of ZUDS, which should be amazing for finding low-amplitude variability from weak AGN in low-mass galaxies.”

Physics of supernovae and relativistic explosions: “Mattia recently finished a paper on the g-r colour of infant Type Ia SNe. The motivation is to study the distribution of radioactive material within the SN ejecta and identify the explosion channel(s) of Type Ia SNe. The main conclusions of his paper are: 1) the slope of the colour change is more informative to differentiate between models; 2) the colour distribution is consistent with double detonation models and models that require mixing of some ^{56}Ni with the outermost layers of the ejecta and 3) the single degenerate scenario is ruled out by this sample.”

Multimessenger: “News in real time. A neutron star-black hole GW candidate (S191205ah) was found today, December 5th. Although it barely passed the detection threshold, S191205ah was validated by human vetting. No coincident GRB detection was announced. ZTF follow-up will be attempted tonight, if the weather at Palomar improves.”

The papers corner:

Please keep us updated about your submitted/published papers, they will be advertised here. Please send Joy Painter, the Astronomy Librarian at Caltech, links to papers as soon as they are published. They will be kept track of [here](#).

Reminders:

- PublicAlerts:There is a [link](#) to the alerts archive on the [website!](#)

- Please help us keeping track of all the available softwares! A preliminary list is available on the [twiki](#). Let us know if you are building a software which you think could benefit (or be relevant to) a large portion of the collaboration.

- **ZTF general slack channel**: Please join through this [link](#)!

- If you want to get access to the **ZTF data** via the IRSA interface, please request data access to the communication coordinators: ztf.communication.coordinators@gmail.com

-**Archive GUI** now ready! The interactive image search, filtering and visualization tool is now ready ().

- The **ZTF Twitter account** is now active! <https://twitter.com/ztfsurvey> Re-tweet @ztfsurvey!

- To use the **url shortener**(e.g. during telecons, talks, in emails), navigate to <http://zwicky.tf/shorten> (username: ztf password:16chips) and type in the URL you want shortened.

- The **Wiki page** is active! Check it out at <http://zwicky.tf/wiki>. To request access, please email us at ZTF.communication.coordinators@gmail.com

"Often the best way to relax is just to go back to work" Steve McQueen

Have a great and productive week!

Igor and Maayane