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Newsletter #85, June 11th 2019

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SEDM paper citation:

Recently the pysedm paper has been accepted by A&A for publication

Any paper using SEDM spectra should cite both papers below:

Blagorodnova et al. 2018 <https://ui.adsabs.harvard.edu/abs/2018PASP..130c5003B/abstract>

and

Rigault et al. 2019 <http://adsabs.harvard.edu/abs/2019arXiv190208526R>

News from working groups

Supernovae and relativistic explosions: “Earlier this week, European working group members met to brainstorm various science projects that could be addressed with a "ZTF Phase II" survey, i.e. between the end of the current survey and before LSST starts full operations. At our telecon, we heard an update on results from the bright transients survey, with Adam Miller showing results from calculating the redshift completeness fraction based on SNe Ia from ZTF. We also had several infant supernova triggers this week, and discussed the evolution of the transient in M100, ZTF19aatesgp, which has developed very strong Ca II lines at an early phase. It may end up being a twin to the peculiar Ca-rich transient iPTF15eqv.”

AGNs & TDEs: “The ZTFbh SWG now has a total tally of 14 TDEs and one new candidate that we are in the process of following up. We are starting to put together a big ZTF TDE sample paper, and have the potential for some stand-alone papers on our most interesting TDEs. While we continue to scan for TDE candidates that pass our selection criteria based on light-curve timescale and color, we hope to spend a lot of time this summer writing up our results. We look forward to discussing our TDE sample with everyone at the ZTF collaboration meeting in September! On the CLAGN front, Sara has confirmed two more changing-look LINERs!”

Galactic/M31: “The [paper](#) that describes a new class of pulsators discovered by ZTF has been published (Kupfer et. al.). ZTF discovered a double white dwarf binary with an orbital period of 7 minutes by Kevin Burdge. The paper has been accepted by Nature and will be published soon. In addition, there will be a press release within 1-2 weeks.”

EM/GW and neutrino counterparts: “No ZTF ToOs were triggered in the past 1 month. Second O3 paper from GROWTH is now on arXiv:<https://arxiv.org/abs/1906.00806> “

The papers corner:

A New Class of Large-amplitude Radial-mode Hot Subdwarf Pulsators by Kupfer et al. 2019, ApJL
<https://arxiv.org/pdf/1906.00979.pdf>

Please send us your published papers, they will be advertised here.

Please send Joy Painter, the Astronomy Librarian at Caltech, links to papers as soon as soon as they are published. They will be kept track of [here](#).

Reminder: Save the date! September 3-5: ZTF fall collaboration meeting

Please save the date for the fall ZTF collaboration meeting, to be held on the University of Washington campus September 3-5. Space will be available on September 6 for further breakouts and hack sessions.

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

"If you saw a heat wave, would you wave back?" – Steven Wright

Have a great and productive week!

Thomas and Maayane