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Newsletter #90, July 16th 2019

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If the newsletter does not look good in your email, check the pdf [here](#)!

ZTF is in the news!

2019 LF6, the asteroid that broke the record of having the shortest "year" on any known asteroid, is in the spotlight. See below a partial list:

<https://gizmodo.com/this-asteroid-orbits-so-close-to-the-sun-its-year-last-1836192036>

<https://www.space.com/new-asteroid-discovery-shortest-known-year.html>

<https://www.cnet.com/news/rare-asteroid-making-the-rounds-between-earth-and-sun/>

<https://www.slashgear.com/kilometer-sized-asteroid-orbits-the-sun-every-151-days-09583328/>

<https://science.howstuffworks.com/2019-LF6-asteroid-discovered.htm>

https://www.theregister.co.uk/2019/07/09/astroboffins_shortest_year/

<https://www.syfy.com/syfywire/2019-lf6-the-asteroid-with-the-shortest-year-known>

News from working groups

Supernovae and relativistic explosions: "(1) We are excited about looking for young SNe in the TESS fields which ZTF will soon start to shadow on a 1d cadence as part of the MSIP survey.

(2) To differentiate the partnership high cadence survey from the TESS MSIP survey we have proposed a cadence change to 3g+1r per night for the partnership survey (3) We discussed Yi Yangs paper on SN2018evt, a SN-Ia CSM, where spectropolarimetry observations show evidence for a disk-like CSM (4) Lin Yan et al., announced 18 more superluminous SNe detected by ZTF to TNS/ATel."

Galactic Science: "New ZTF-PSF photometry has been available for a few weeks now and we are analyzing this new data. ZTF is currently observing the (low dec) Galactic plane in an effort to increase the number of epochs at these low declinations (a ZTF-partnership survey). The Nature-paper on the 7 minute orbital period double white dwarf binary will be on the 25th of July, with a press associated press release a few days before that."

The papers corner:

The [pysedm paper](#) by Rigault et al has now been published!

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 they are published. They will be kept track of [here](#).

September 3-5: ZTF fall collaboration meeting, [registration now open](#)

Please take a moment to [register](#) for the fall ZTF Collaboration Meeting, which will take place at UW from September 3-5, with an optional Hack/Breakout Day on September 6.

The meeting website is [here](#); please visit it for travel and hotel information. A small block of discounted hotel rooms has been reserved and is available through August 2.

Please let Eric Bellm know if you have any questions.

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 an asteroid is coming toward you, you don't have to blow it up. You just have to slow it down long enough for our country to rotate out of the way" – Emo Philips

Have a great and productive week!

Thomas and Maayane