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Newsletter #141 September 30th 2020

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News from working groups

Galactic and M31 Science: “We have completed the Galactic Plane i-band survey. For most fields, we have reached the goal of obtaining 150 epochs. We continue to mine the ZTF data and identify and classify variable objects. The first two papers are close to completion; with one of them already [on ArXiv this week](#) (first author: Coughlin). Given the many interesting objects we are finding, we are currently busy writing many proposals to obtain followup resources (Keck, Gemini, LBT, LCO etc).”

AGNs and TDEs:” We are busy tracking our latest TDEs with Swift and VLA observations (eg, ZTF20abfcszi, ZTF20abjwvae) and wrapping up phase I papers on various topic: off-nuclear AGN, large AGN flares, and TDE host galaxies (see TWiki for details). The new few weeks we will be busy making our TDE/AGN pipeline compatible with the new Marshal.”

Cosmology with SNe Ia: “AMPEL v0.7 is now being put into production, which among other things allows native multi-messenger/multi-stream alert processing. AMPELv0.7 can push data analysis products to different outputs, including the SkyPortal used by Fritz.”

Multimessenger: “Last Saturday was a busy day, as we received two high-energy neutrino alerts. One unfortunately was too close to the sun, but we performed follow-up for the other one (IC-200926A). Sadly, we discovered no candidate counterparts.”

The papers corner:

Coughlin et al., “*The ZTF Source Classification Project: II. Periodicity and variability processing metrics*”, can be found on [ArXiv](#).

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 keep 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 want something done, ask a busy person." - Benjamin Franklin

Have a good and productive week!

Erik and Igor